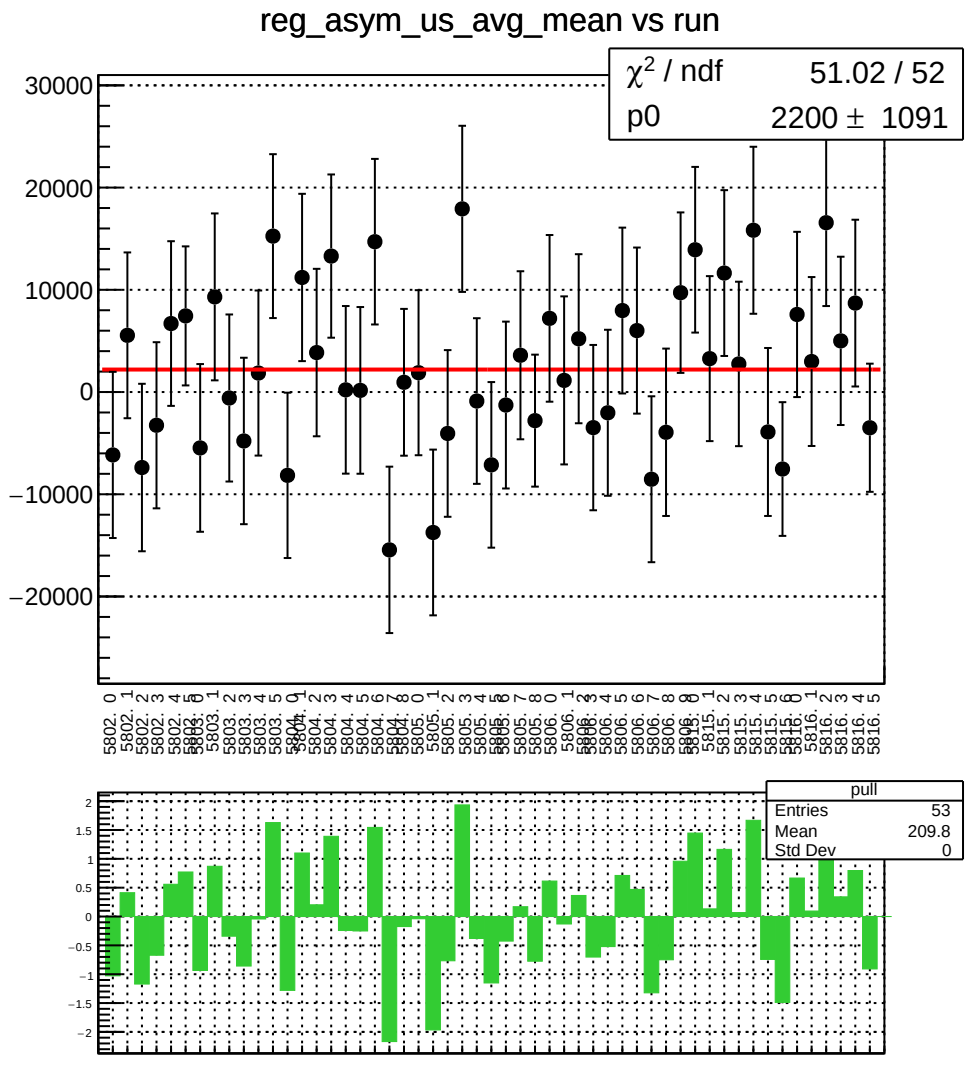
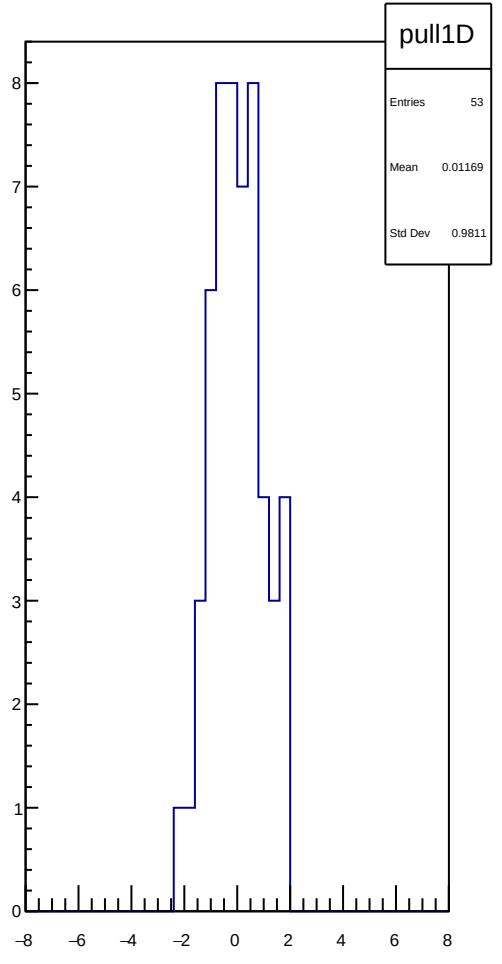
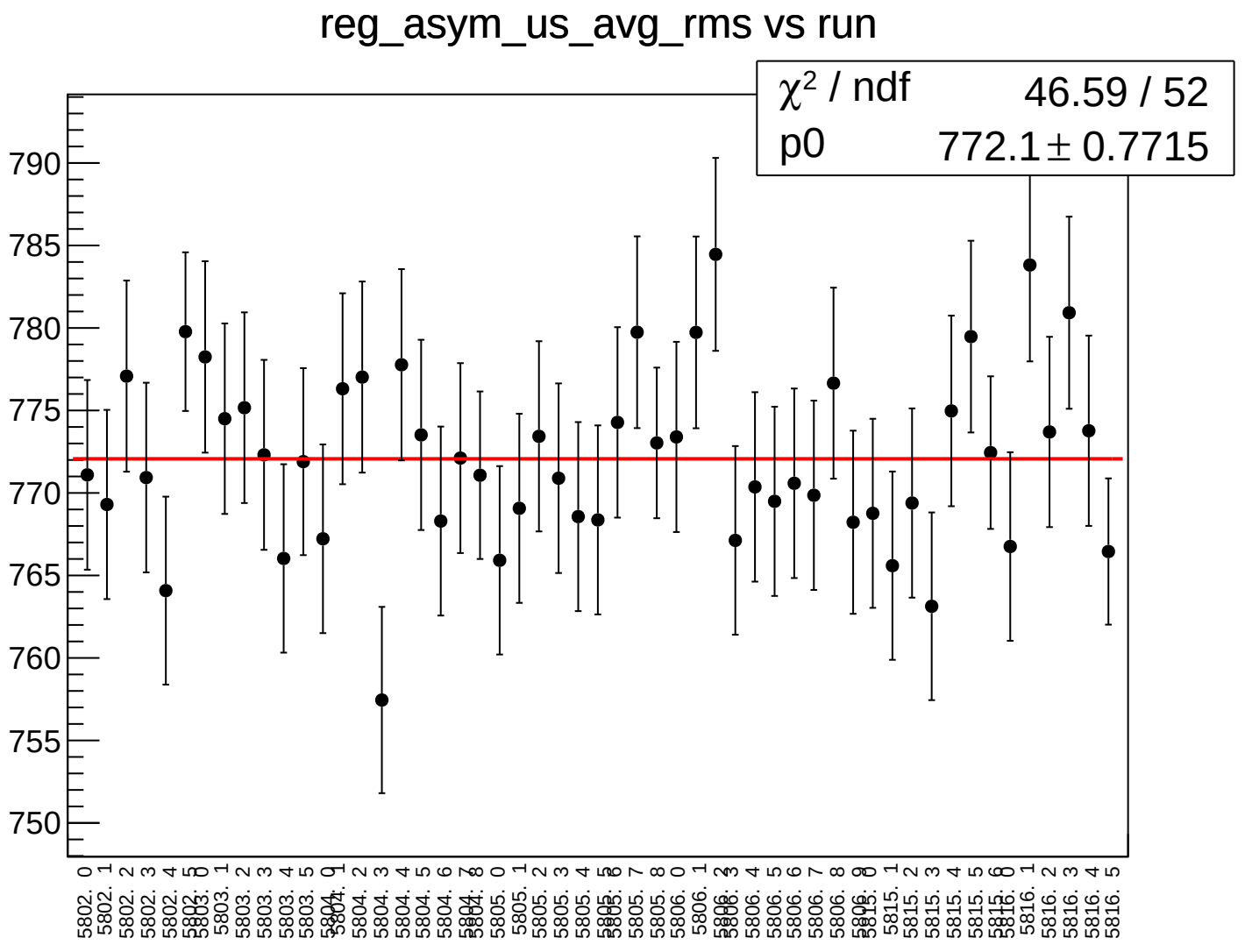
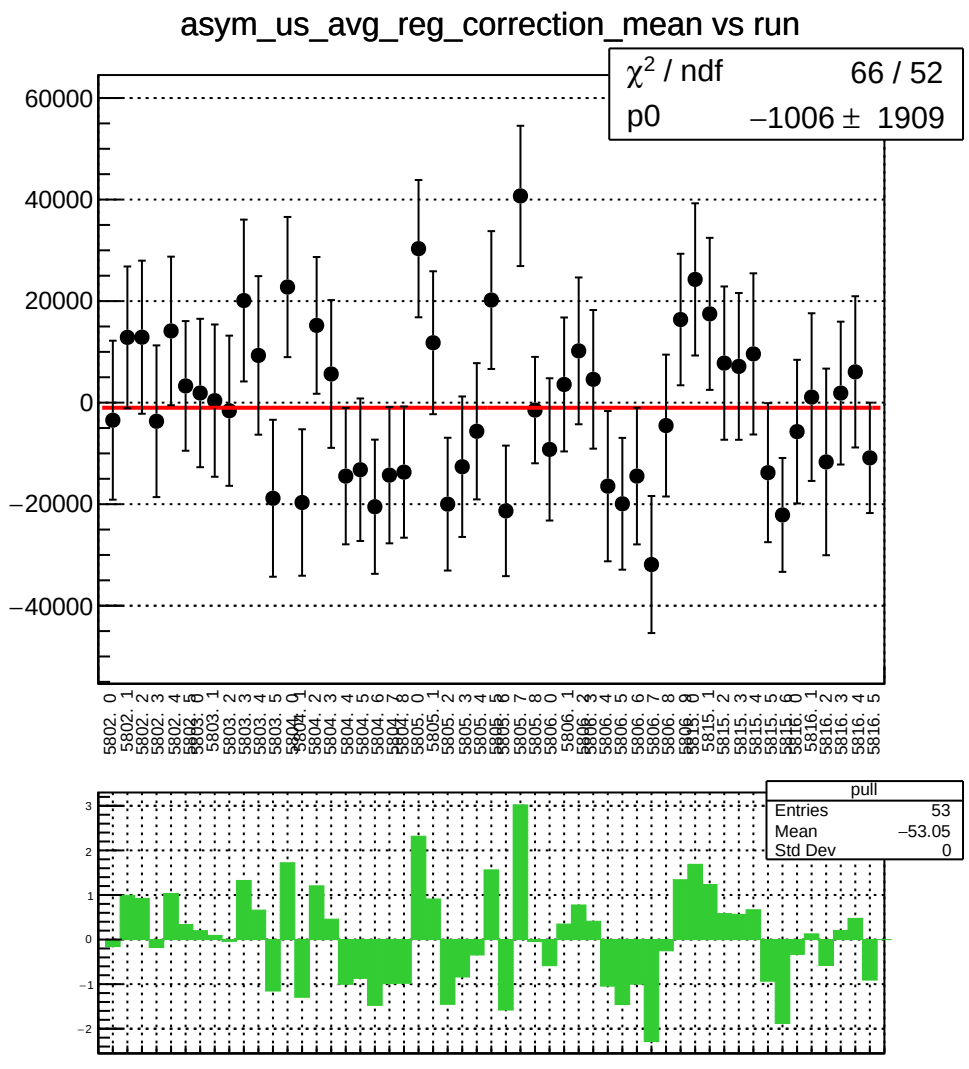
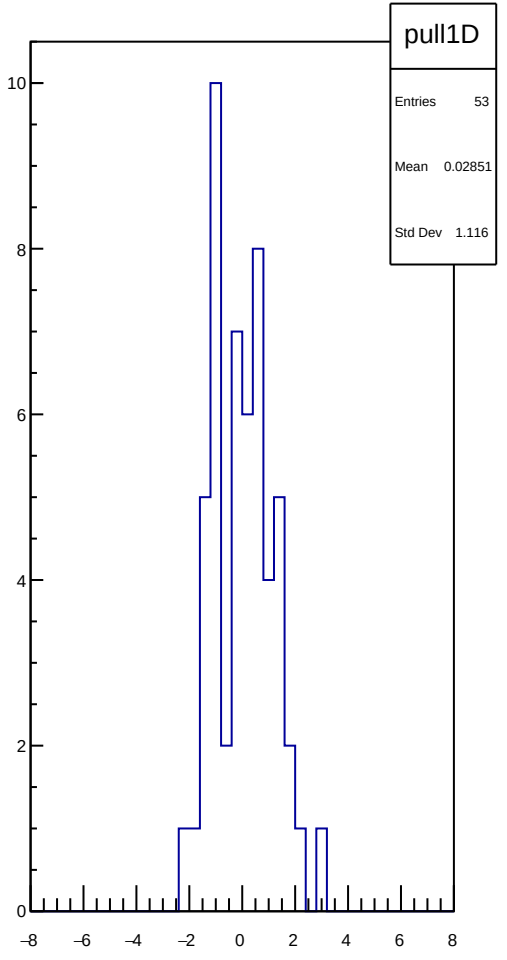
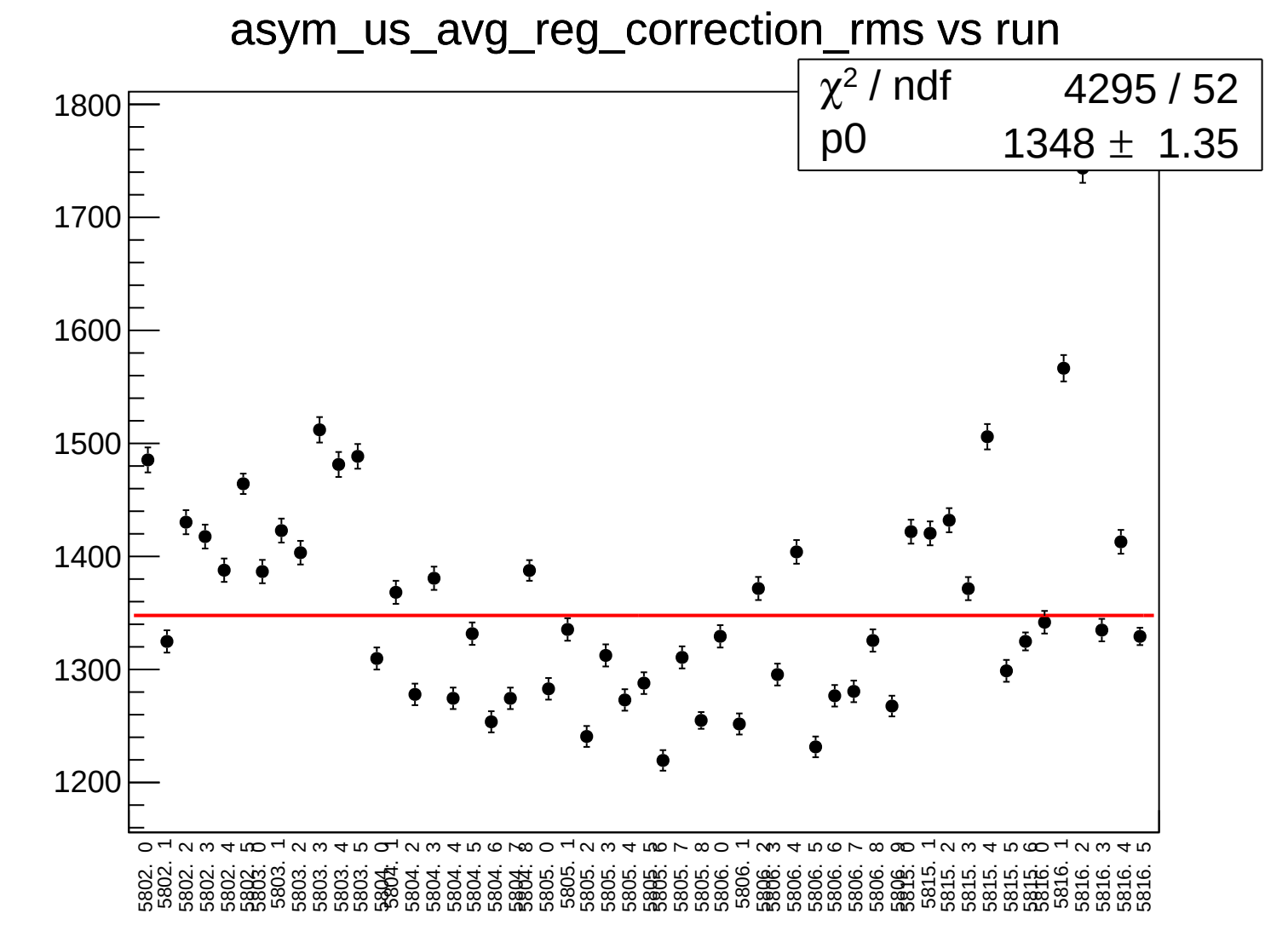

reg_asym_us_avg_mean vs run
χ² / ndf 51.02 / 52
p0 2200 ± 1091
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 209.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

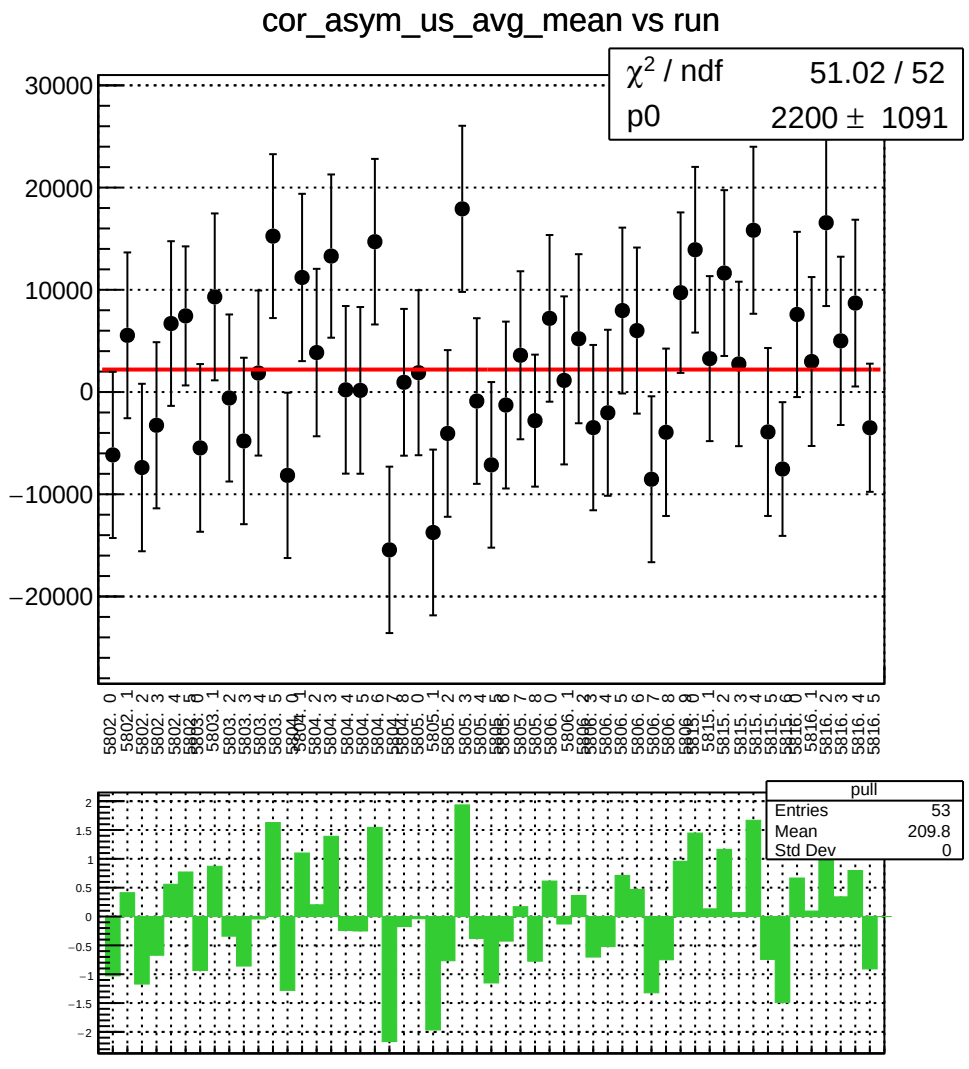

pull1D
Entries 53
Mean 0.01169
Std Dev 0.9811
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

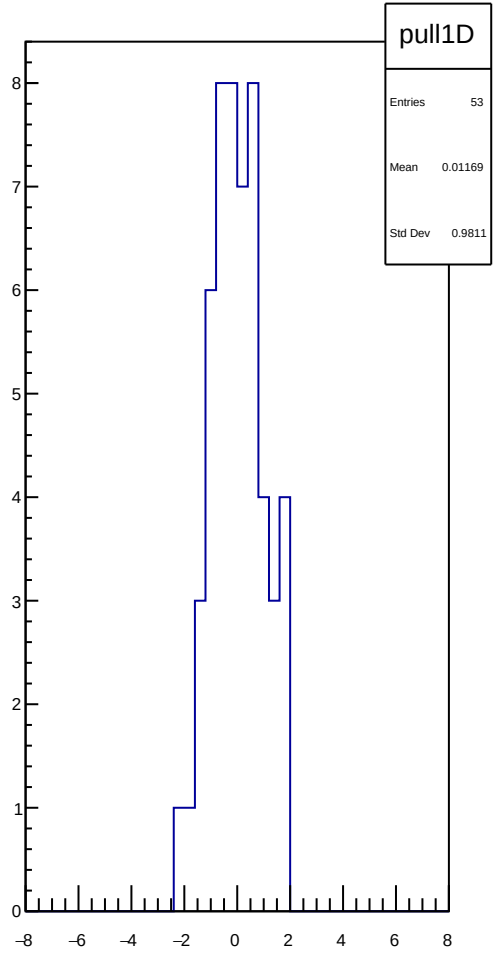

reg_asym_us_avg_rms vs run
χ² / ndf 46.59 / 52
p0 772.1 ± 0.7715
790
785
780
775
770
765
760
755
750

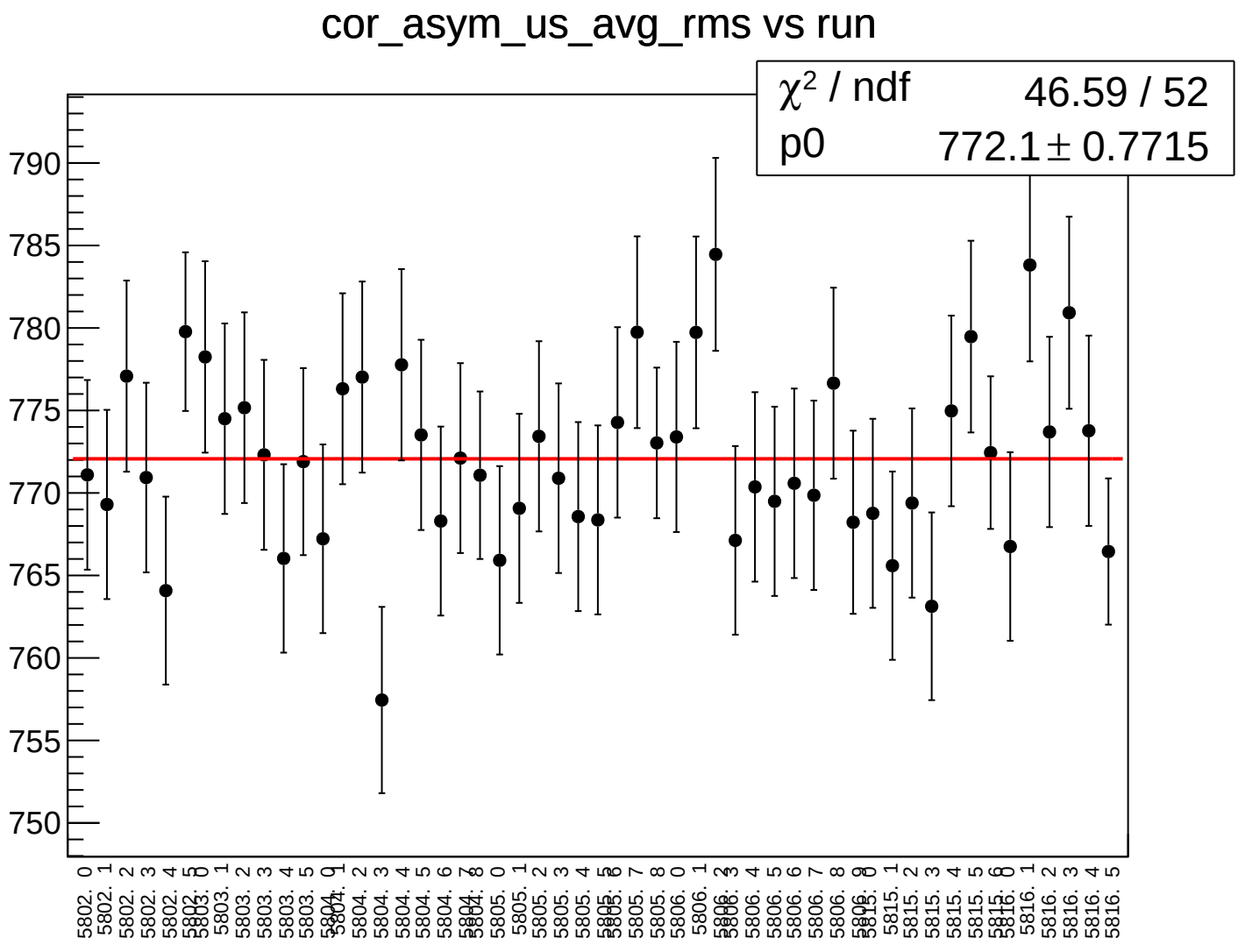

asym_us_avg_reg_correction_mean vs run
χ² / ndf 66 / 52
p0 −1006 ± 1909
pull
Entries 53
Mean −53.05
Std Dev 0

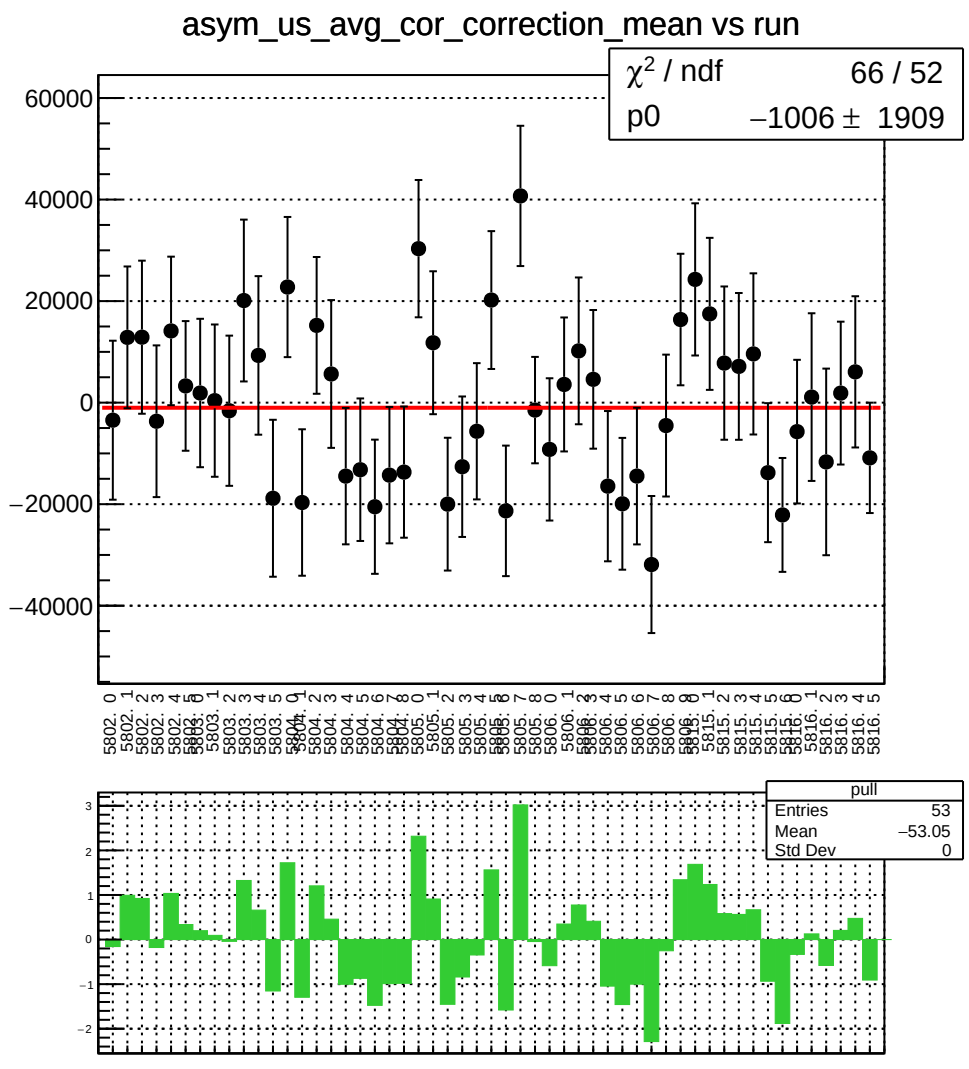

pull1D
Entries 53
Mean 0.02851
Std Dev 1.116

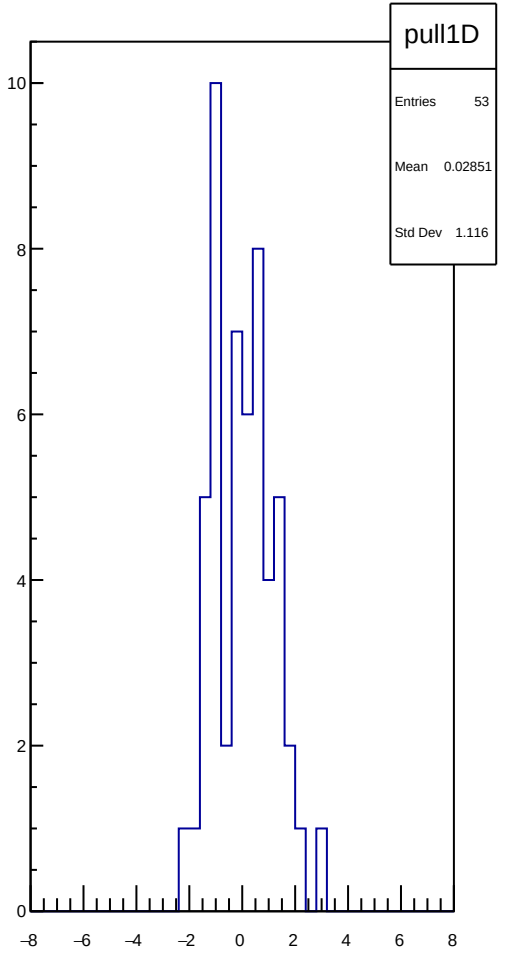

asym_us_avg_reg_correction_rms vs run
χ² / ndf 4295 / 52
p0 1348 ± 1.35
1800
1700
1600
1500
1400
1300
1200

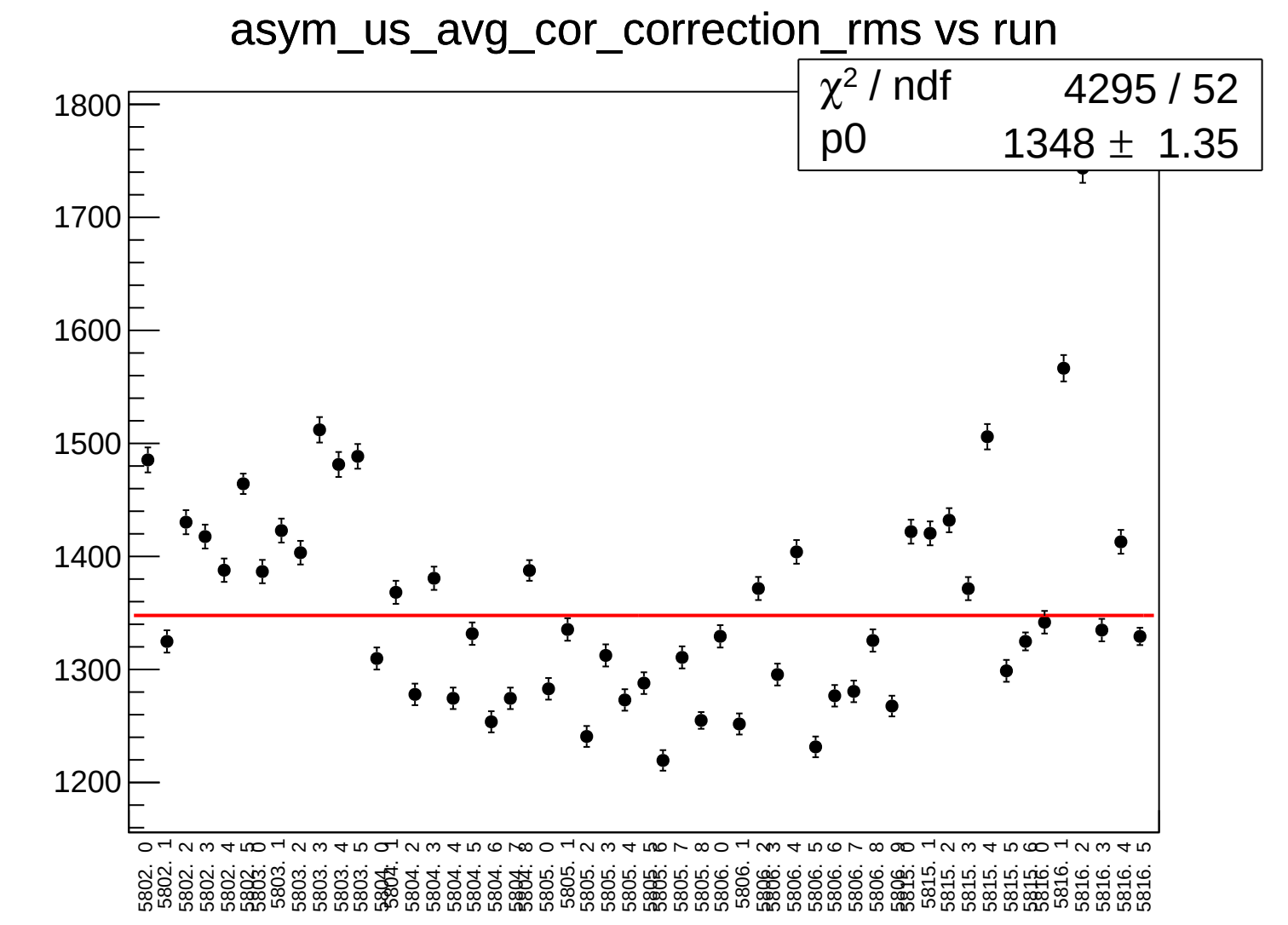

cor_asym_us_avg_mean vs run
χ² / ndf 51.02 / 52
p0 2200 ± 1091
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 209.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

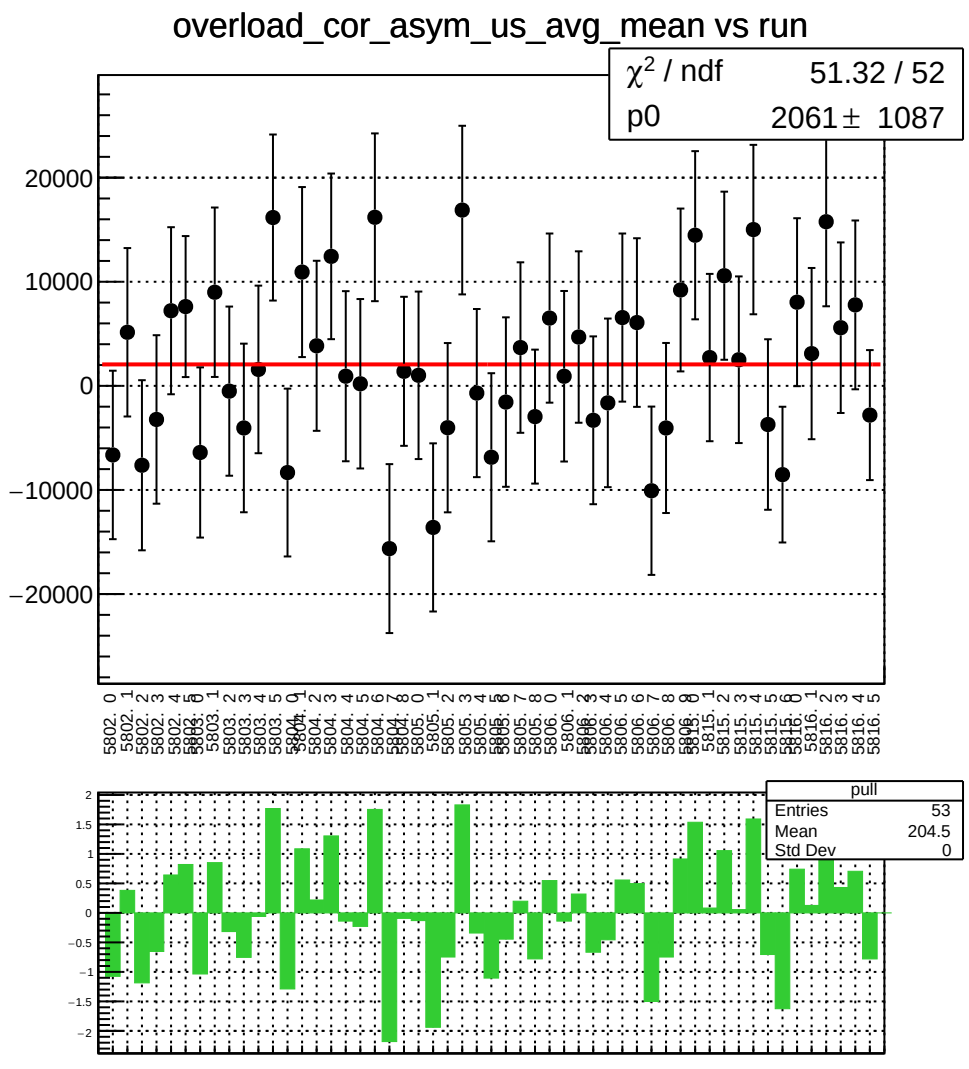

pull1D
Entries 53
Mean 0.01169
Std Dev 0.9811
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

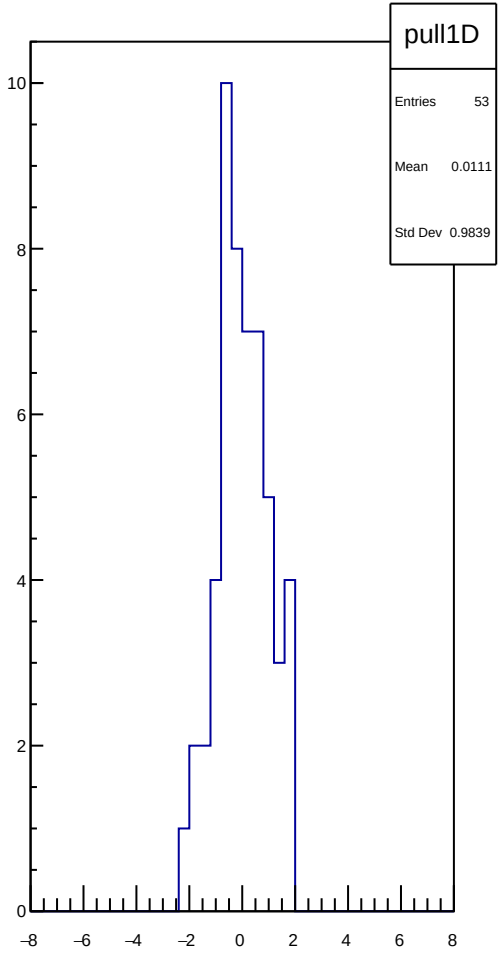

cor_asym_us_avg_rms vs run
χ² / ndf 46.59 / 52
p0 772.1 ± 0.7715
790
785
780
775
770
765
760
755
750

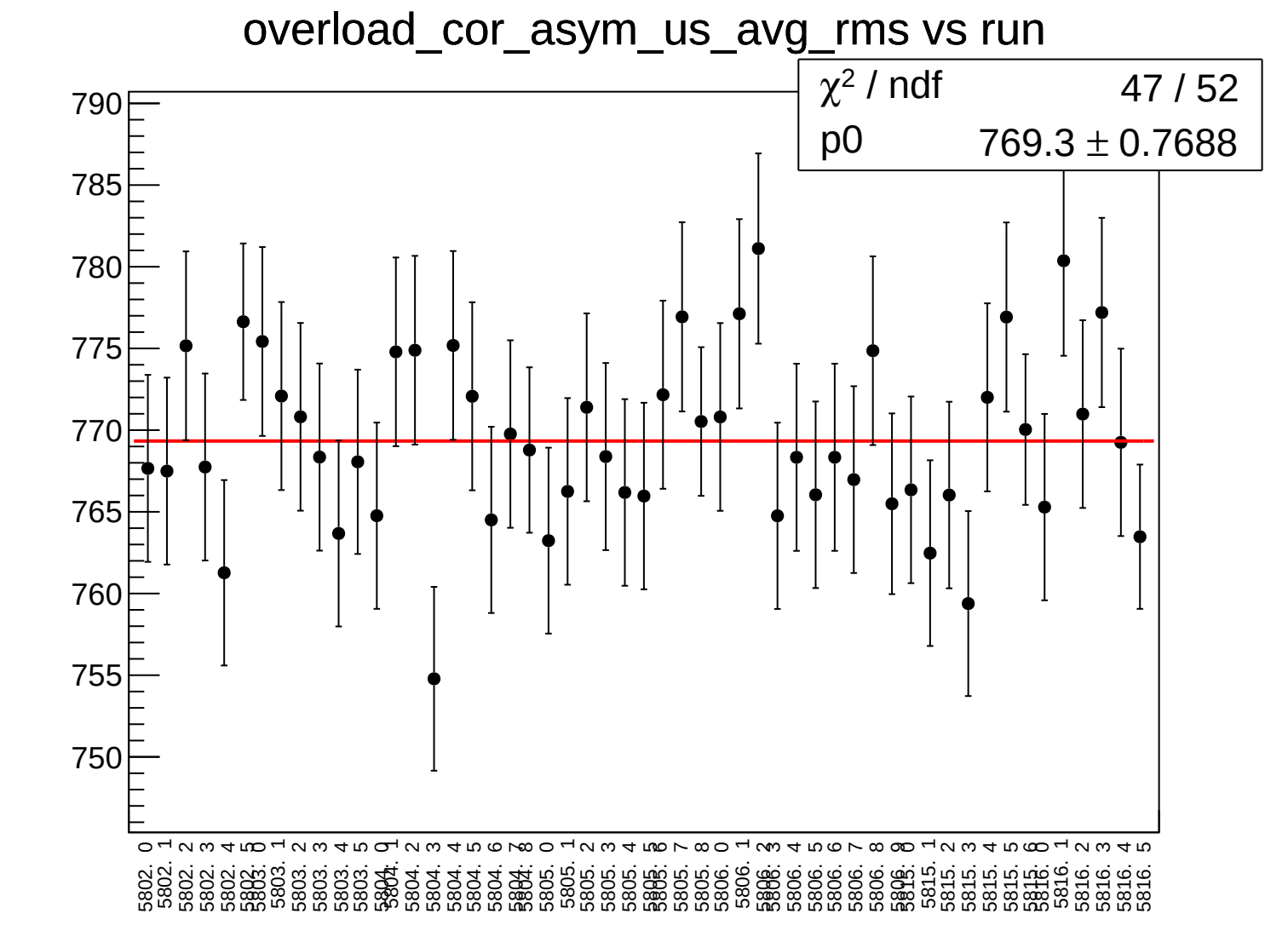

asym_us_avg_cor_correction_mean vs run
χ² / ndf 66 / 52
p0 −1006 ± 1909
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −53.05
Std Dev 0
3
2
1
0
−1
−2

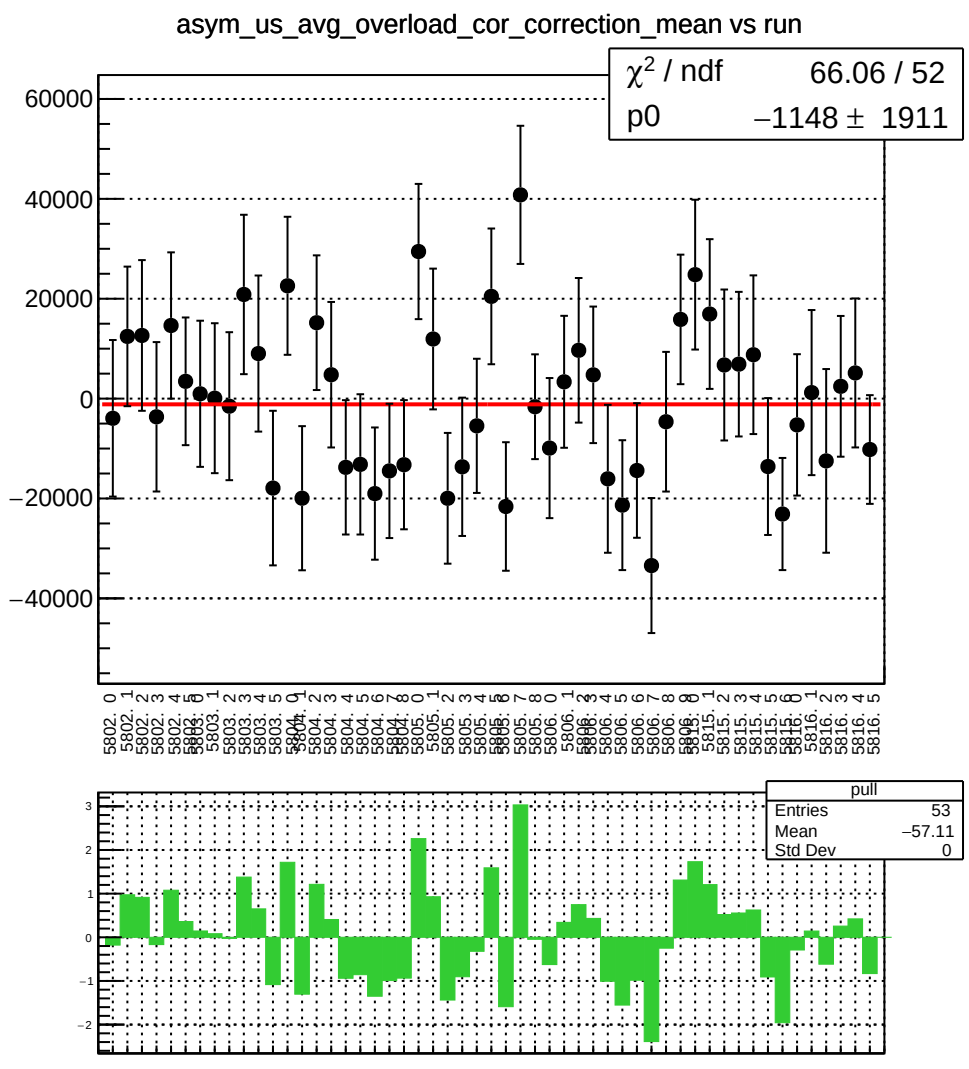

pull1D
Entries 53
Mean 0.02851
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

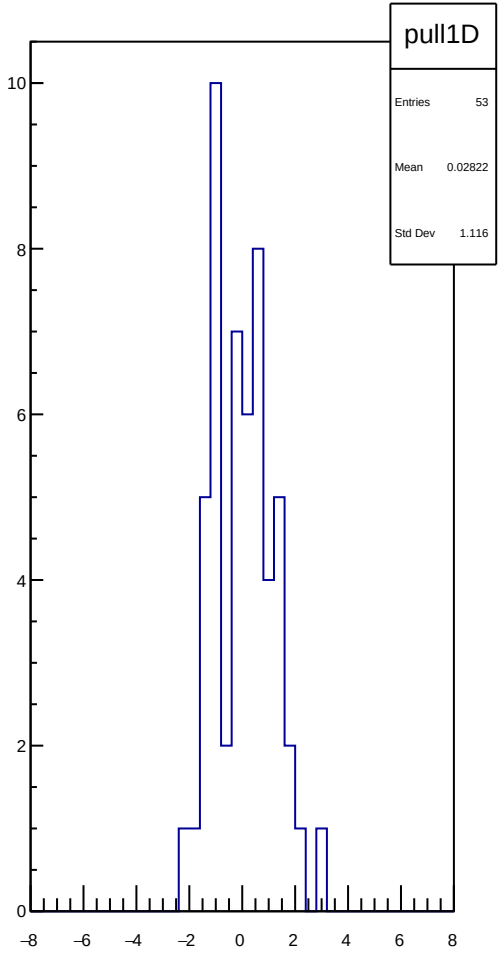

asym_us_avg_cor_correction_rms vs run
χ² / ndf 4295 / 52
p0 1348 ± 1.35
1800
1700
1600
1500
1400
1300
1200

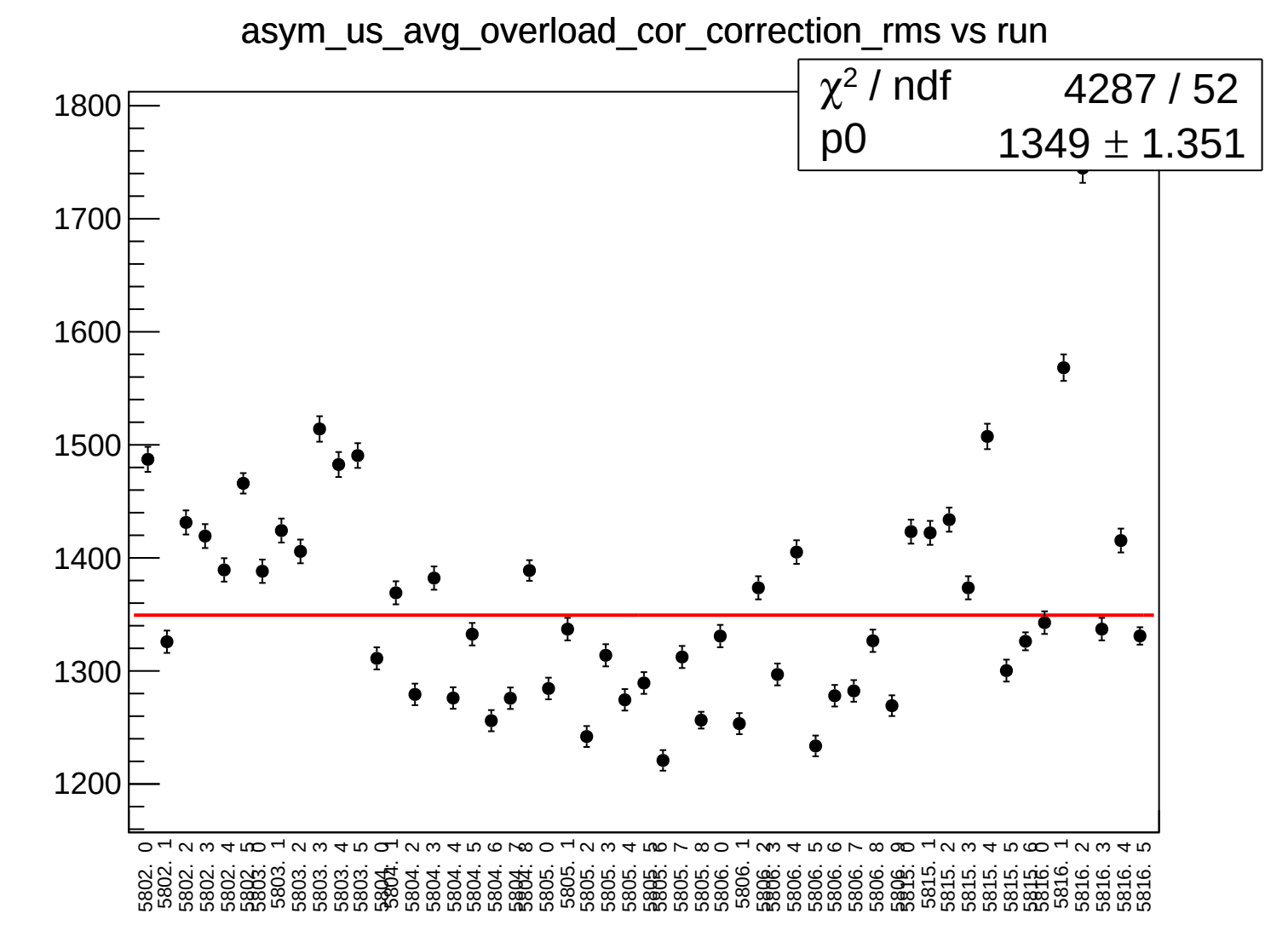

overload_cor_asym_us_avg_mean vs run
χ² / ndf 51.32 / 52
p0 2061 ± 1087
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 204.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

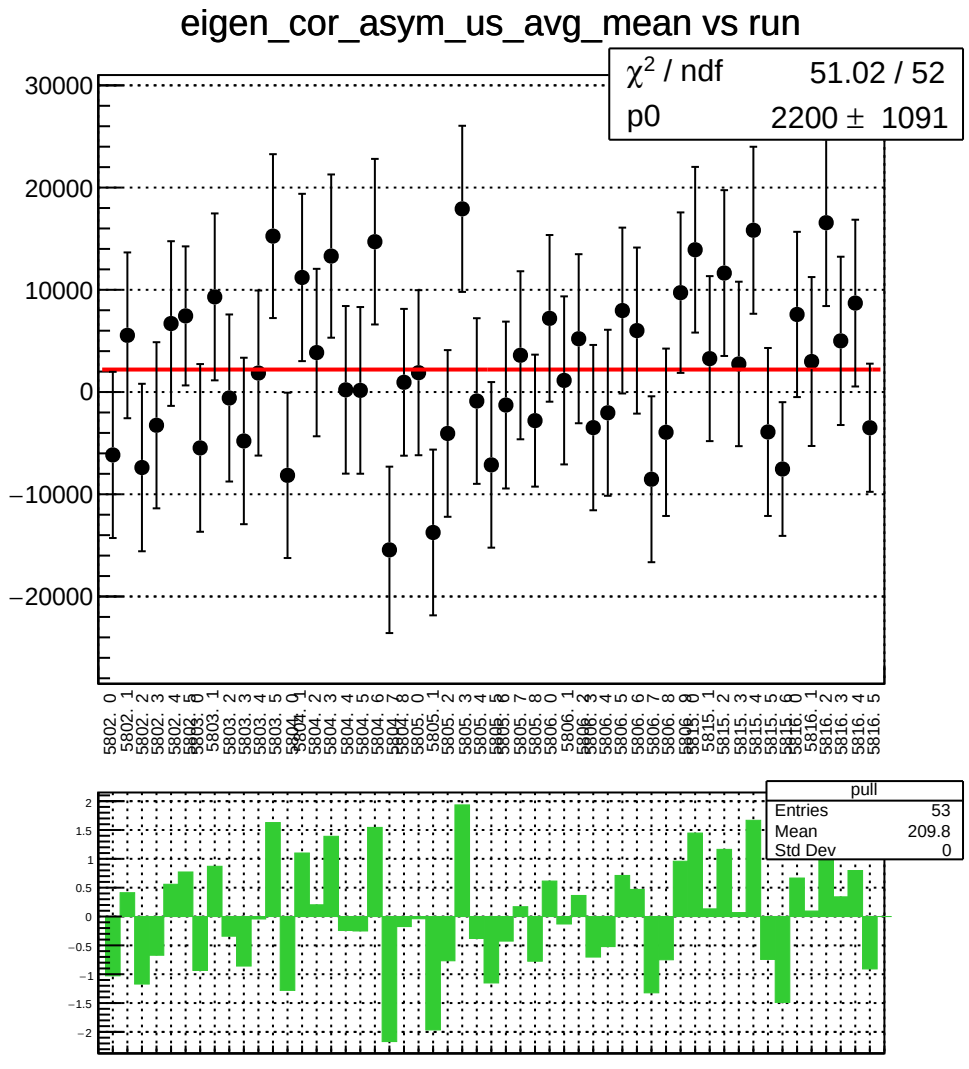

pull1D
Entries 53
Mean 0.0111
Std Dev 0.9839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

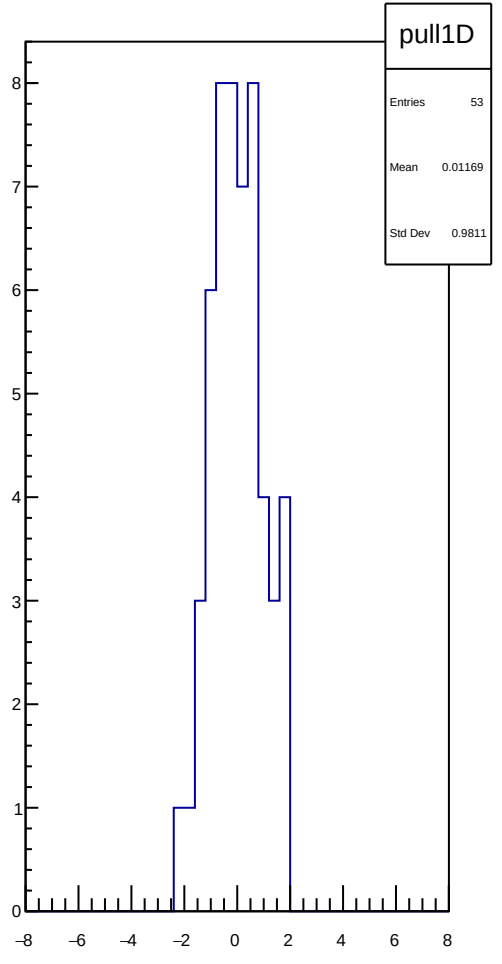

overload_cor_asym_us_avg_rms vs run
χ² / ndf 47 / 52
p0 769.3 ± 0.7688
790
785
780
775
770
765
760
755
750

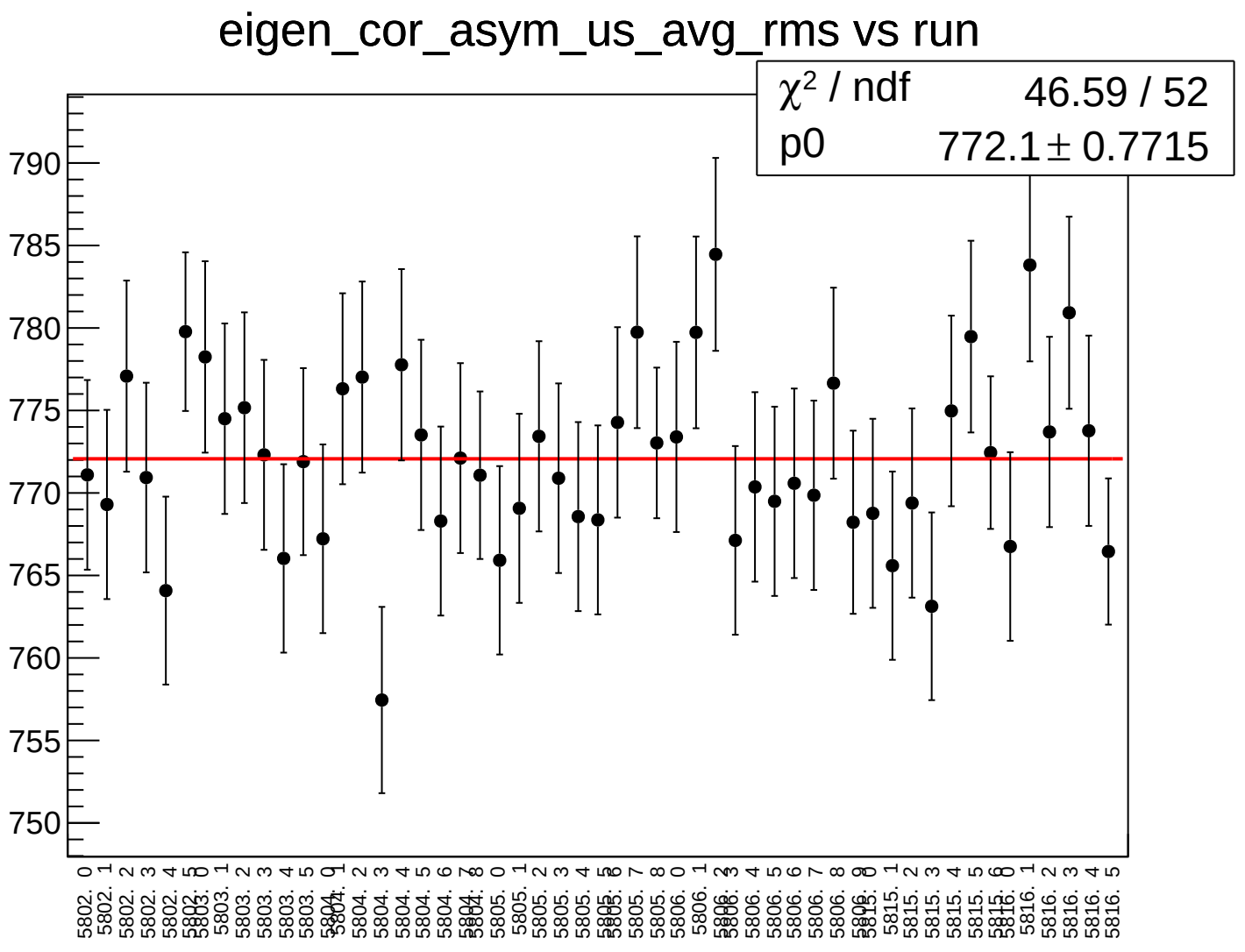

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 66.06 / 52
p0 −1148 ± 1911
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −57.11
Std Dev 0
3
2
1
0
−1
−2

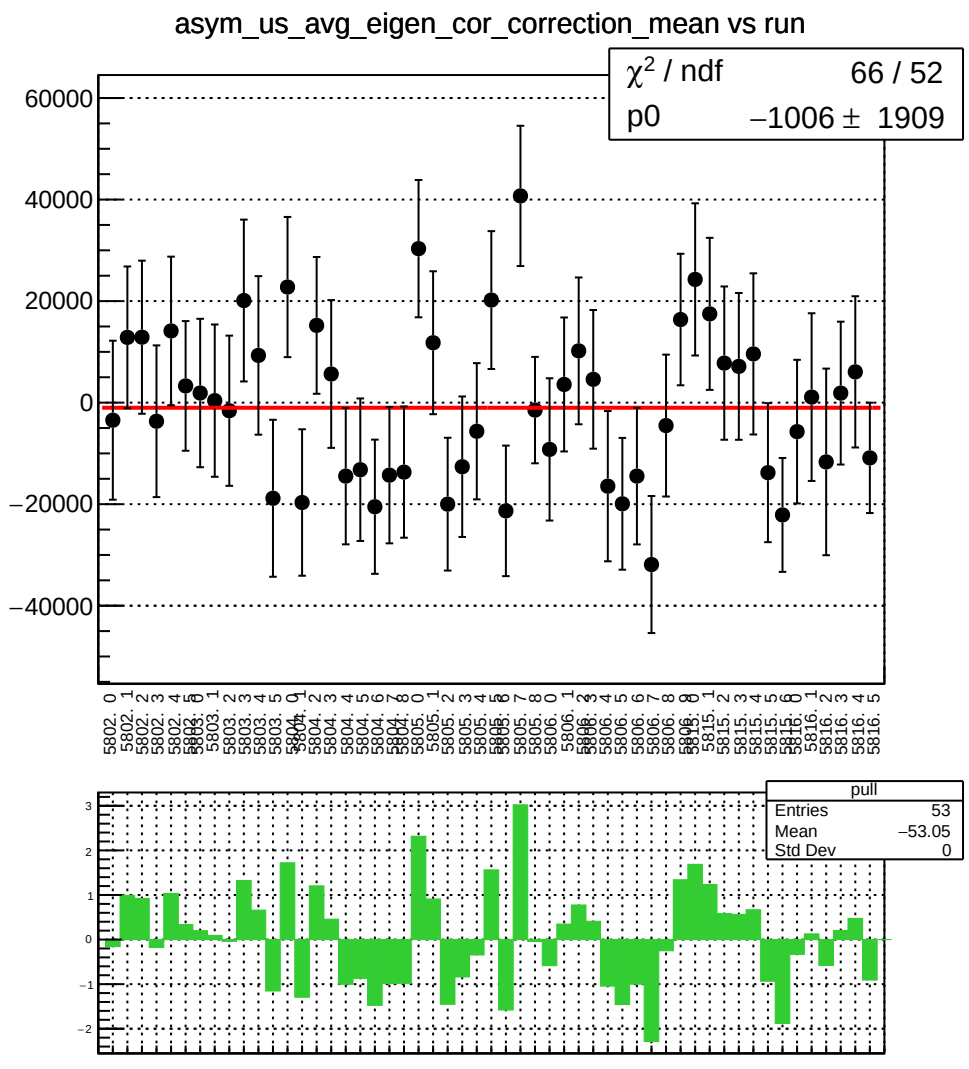

pull1D
Entries 53
Mean 0.02822
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

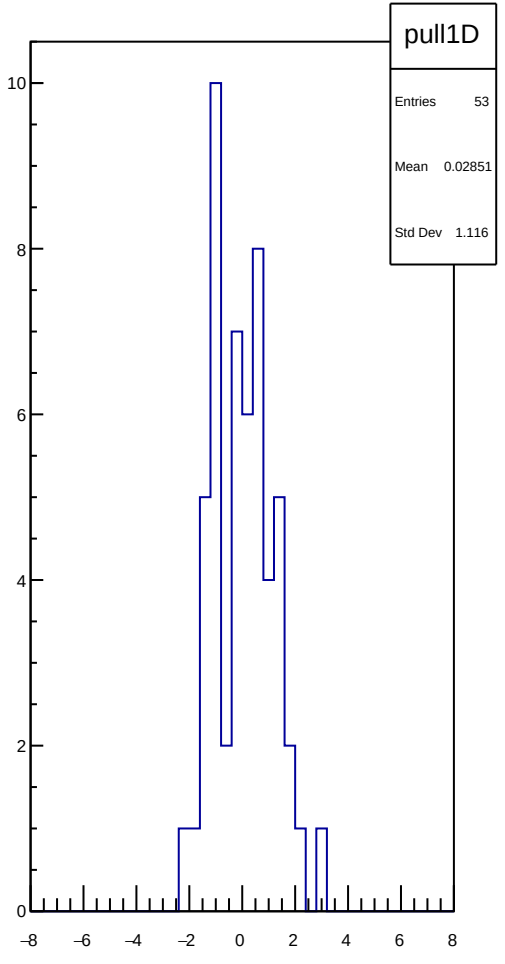

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 4287 / 52
p0 1349 ± 1.351
1800
1700
1600
1500
1400
1300
1200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

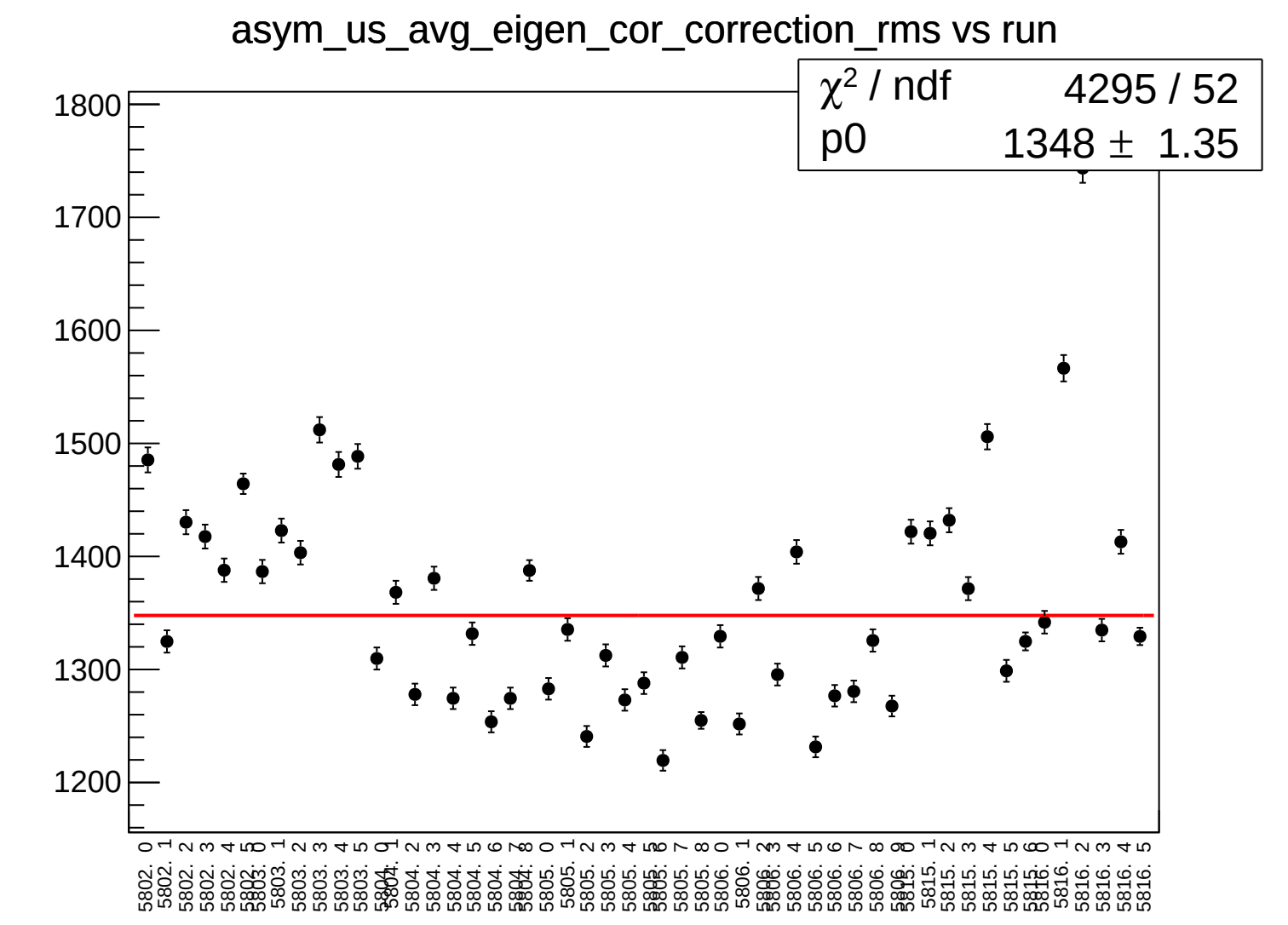

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 51.02 / 52
p0 2200 ± 1091
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 209.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

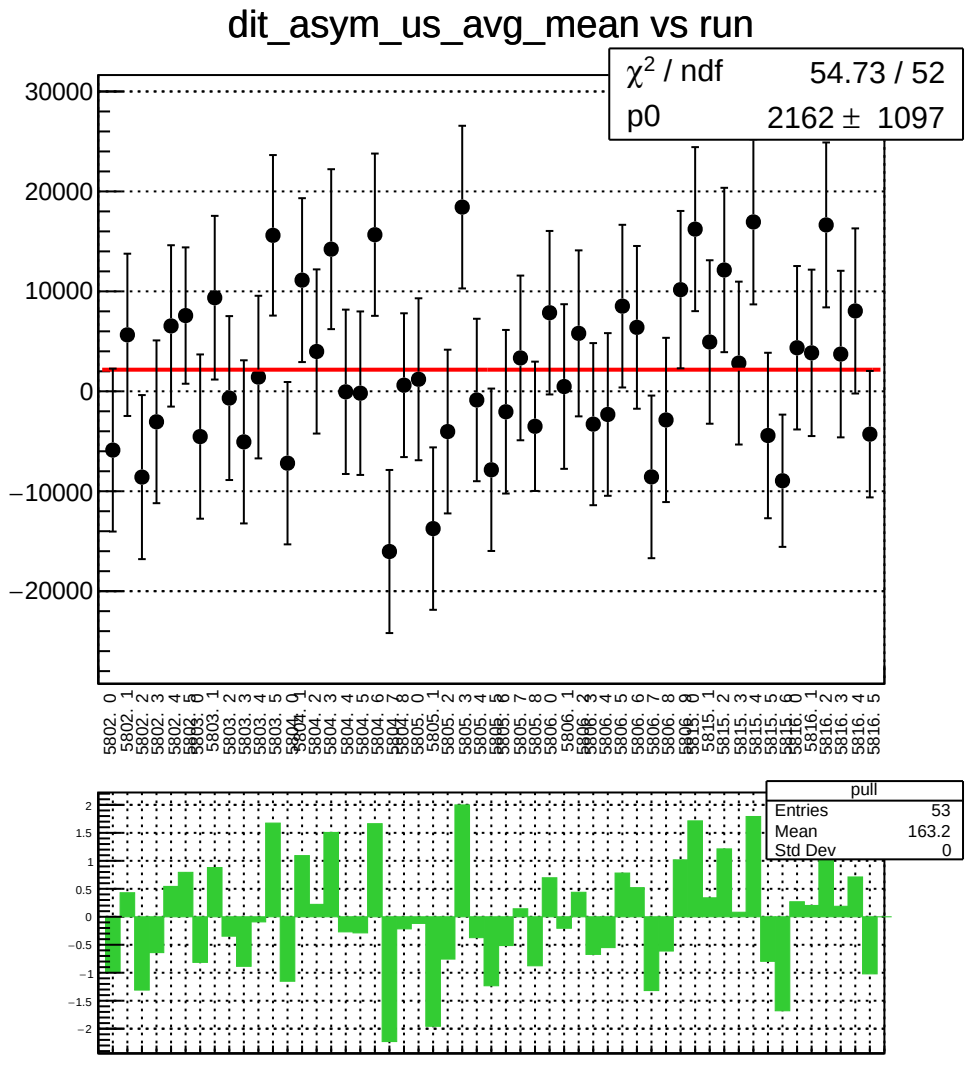

pull1D
Entries 53
Mean 0.01169
Std Dev 0.9811
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

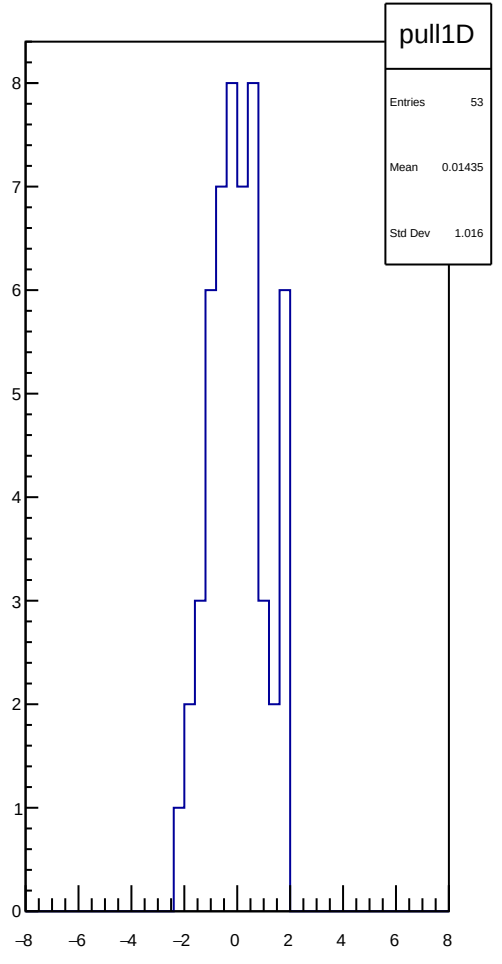

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 46.59 / 52
p0 772.1 ± 0.7715
790
785
780
775
770
765
760
755
750

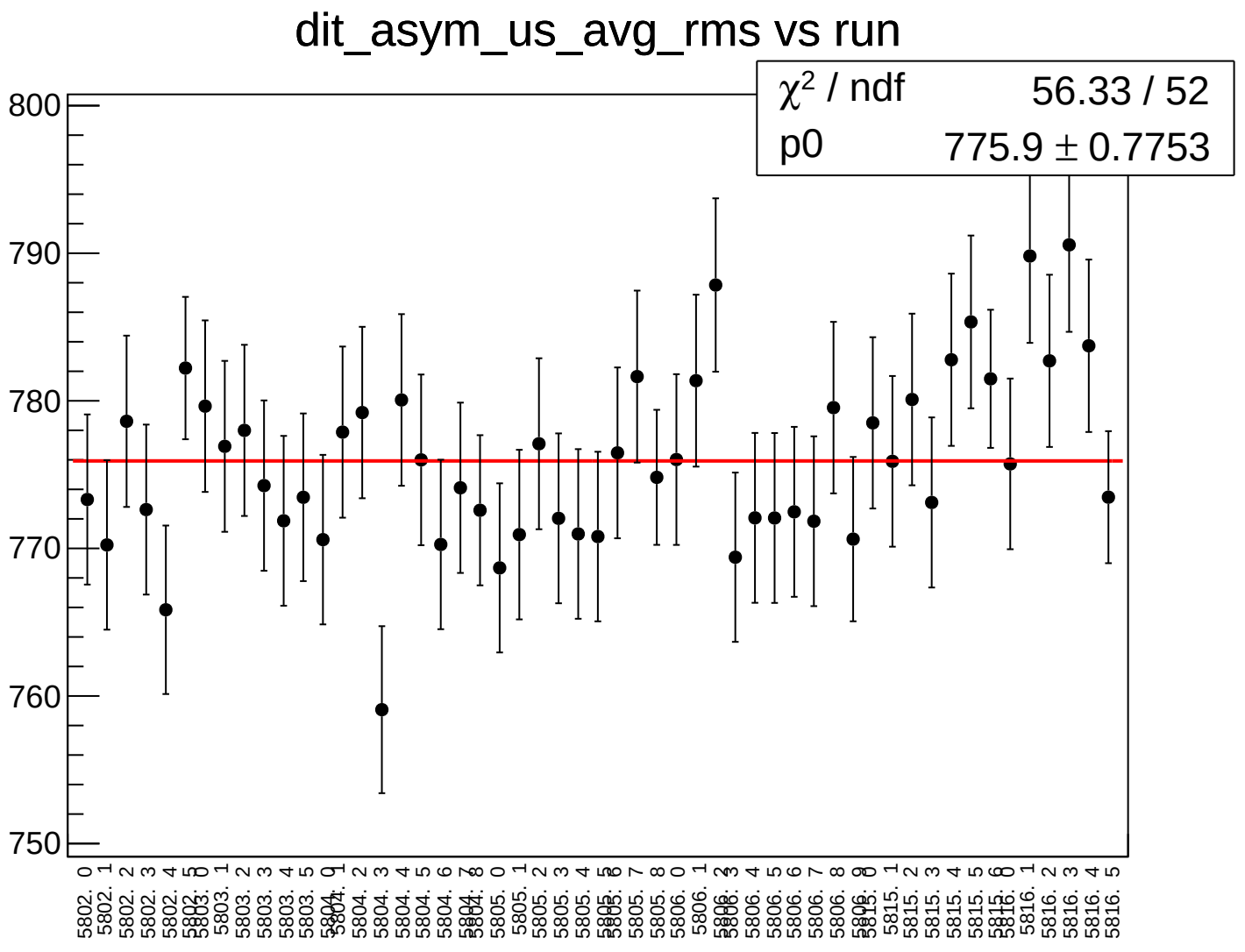

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 66 / 52
p0 −1006 ± 1909
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −53.05
Std Dev 0
3
2
1
0
−1
−2

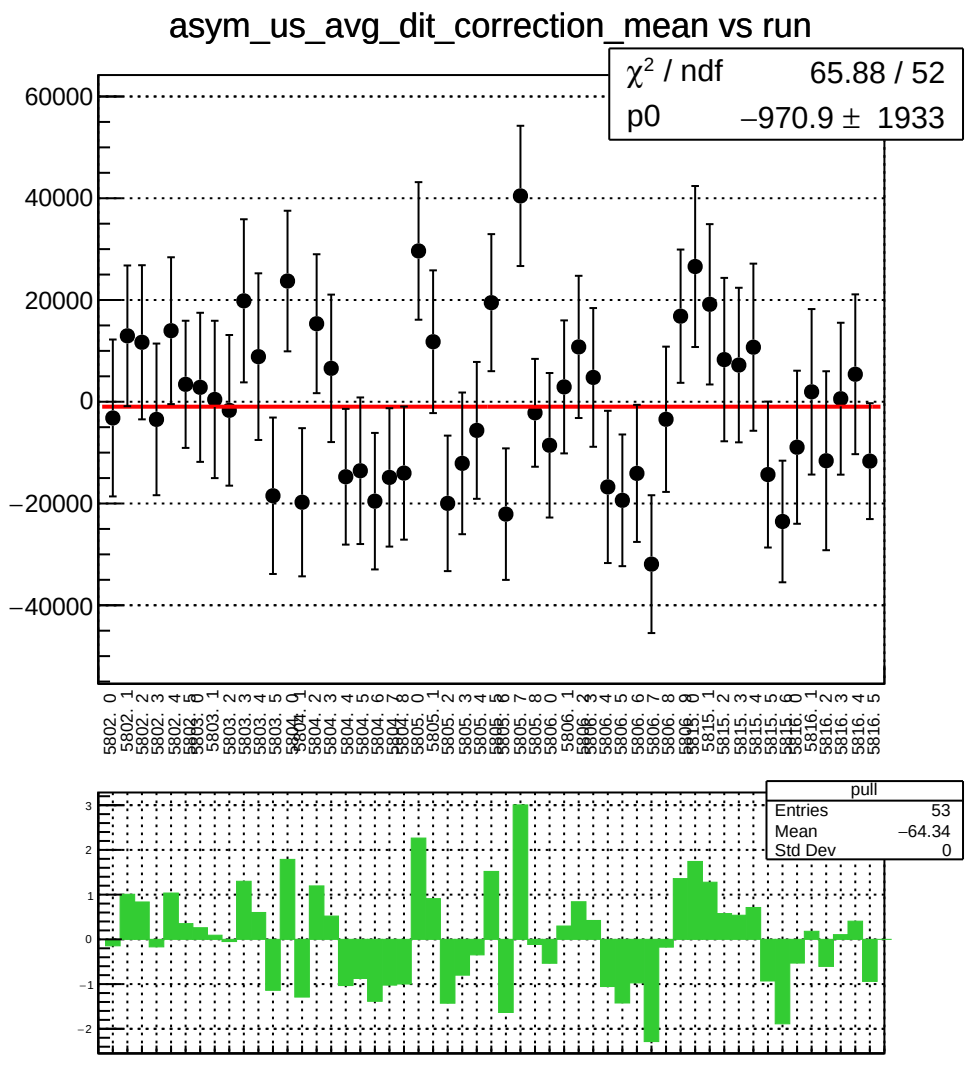

pull1D
Entries 53
Mean 0.02851
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

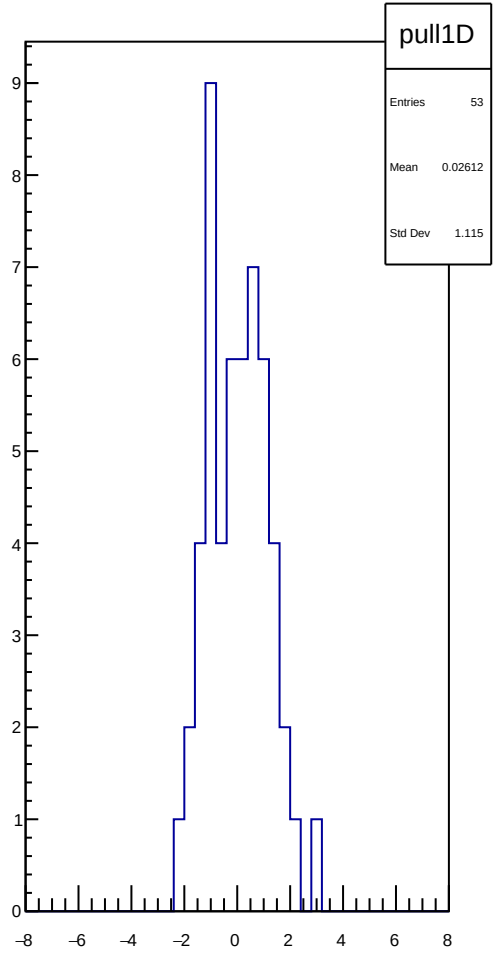

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 4295 / 52
p0 1348 ± 1.35
1800
1700
1600
1500
1400
1300
1200


dit_asym_us_avg_mean vs run
χ² / ndf 54.73 / 52
p0 2162 ± 1097
pull
Entries 53
Mean 163.2
Std Dev 0


pull1D
Entries 53
Mean 0.01435
Std Dev 1.016


dit_asym_us_avg_rms vs run
χ² / ndf 56.33 / 52
p0 775.9 ± 0.7753
800
790
780
770
760
750


asym_us_avg_dit_correction_mean vs run
χ² / ndf 65.88 / 52
p0 −970.9 ± 1933
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −64.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02612
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
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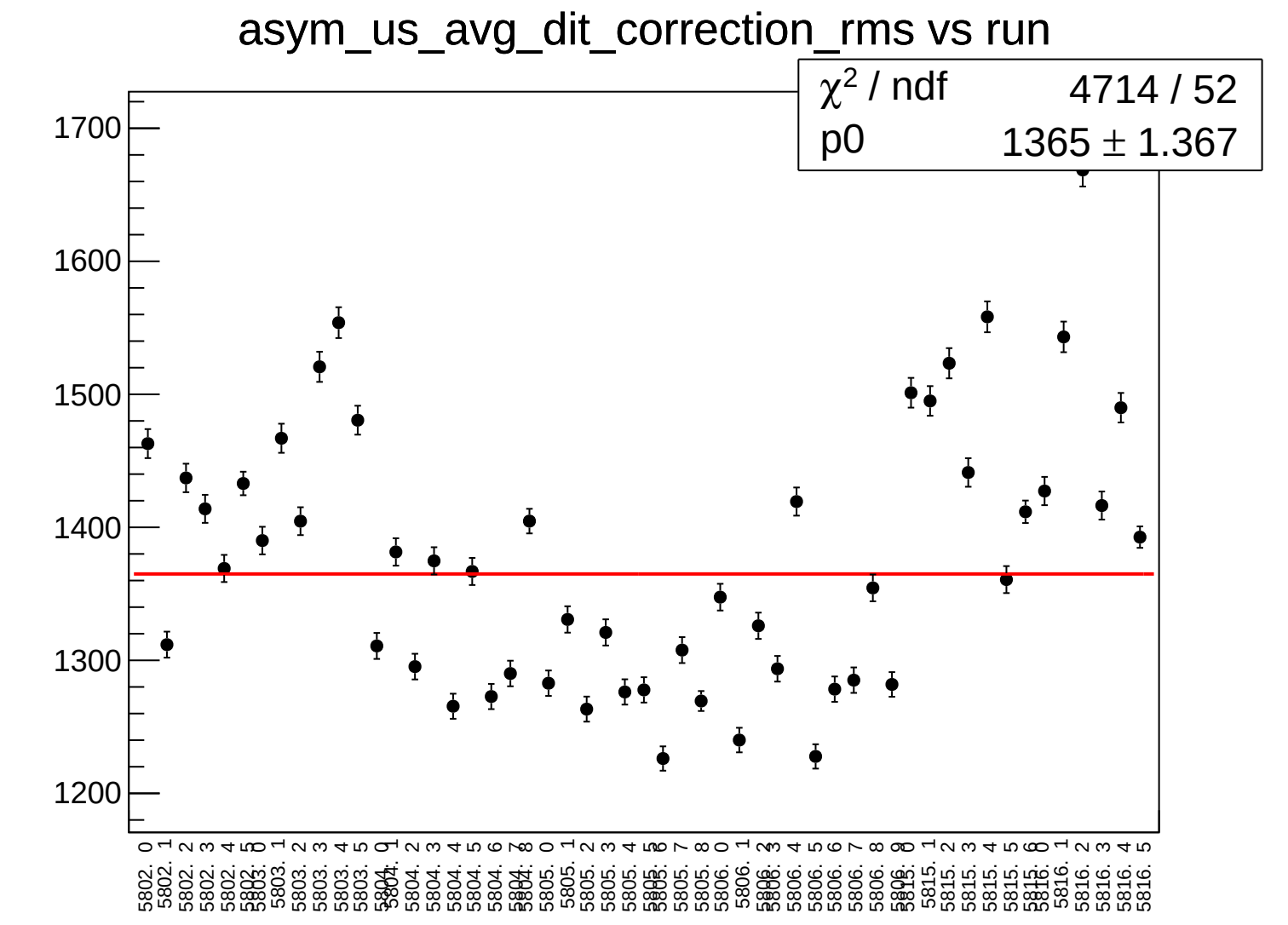
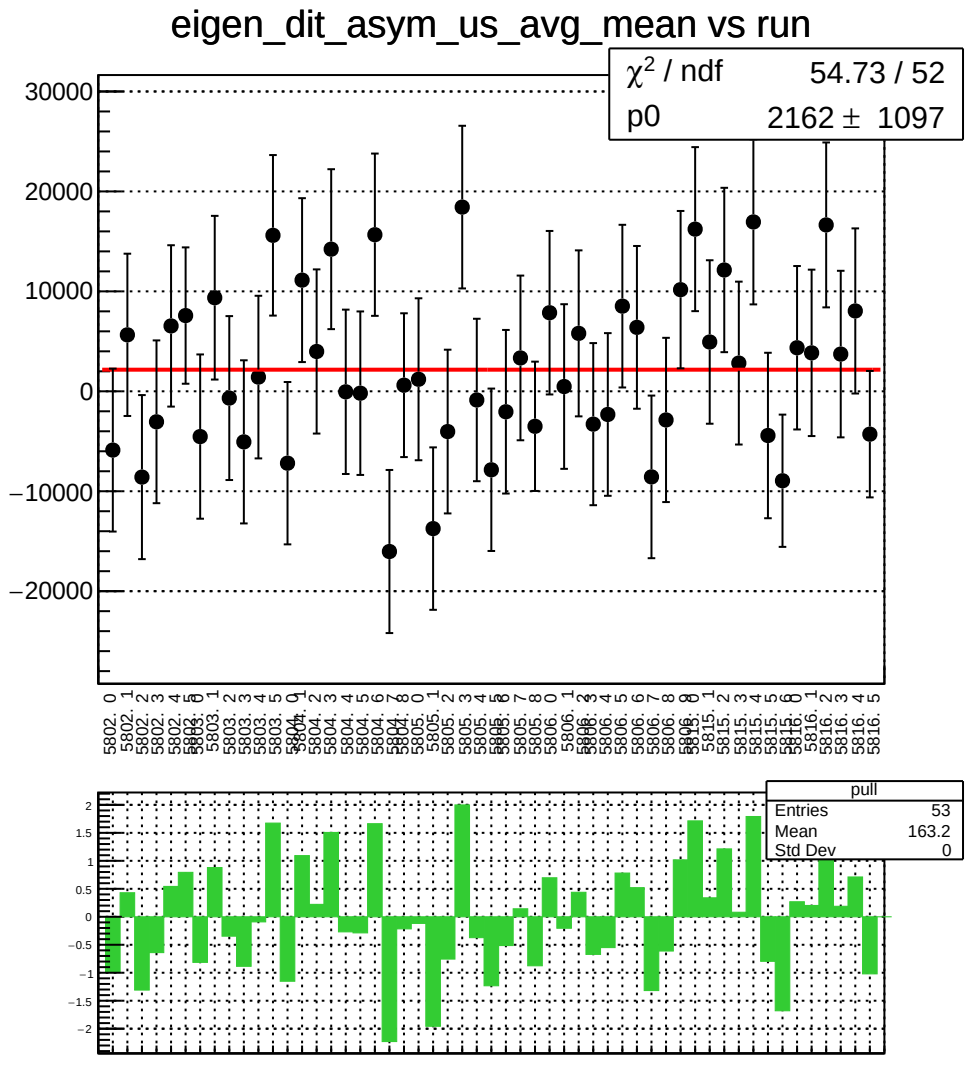
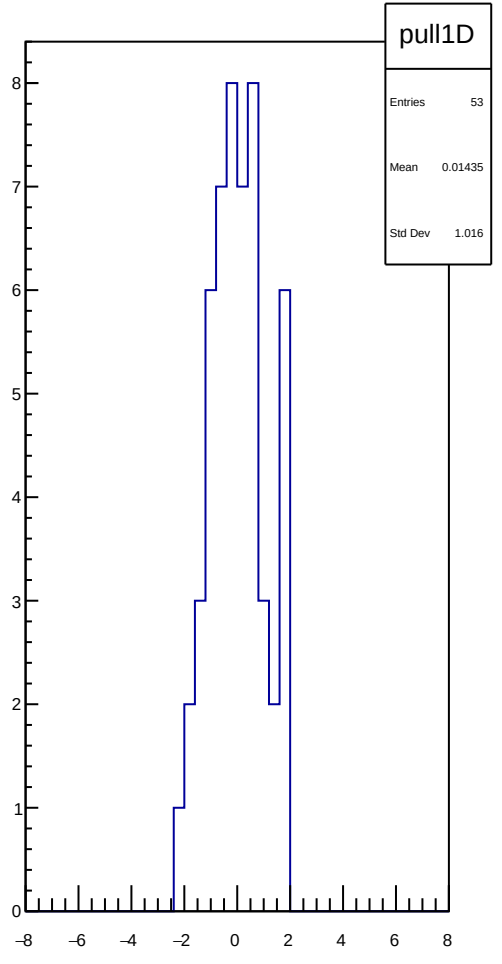
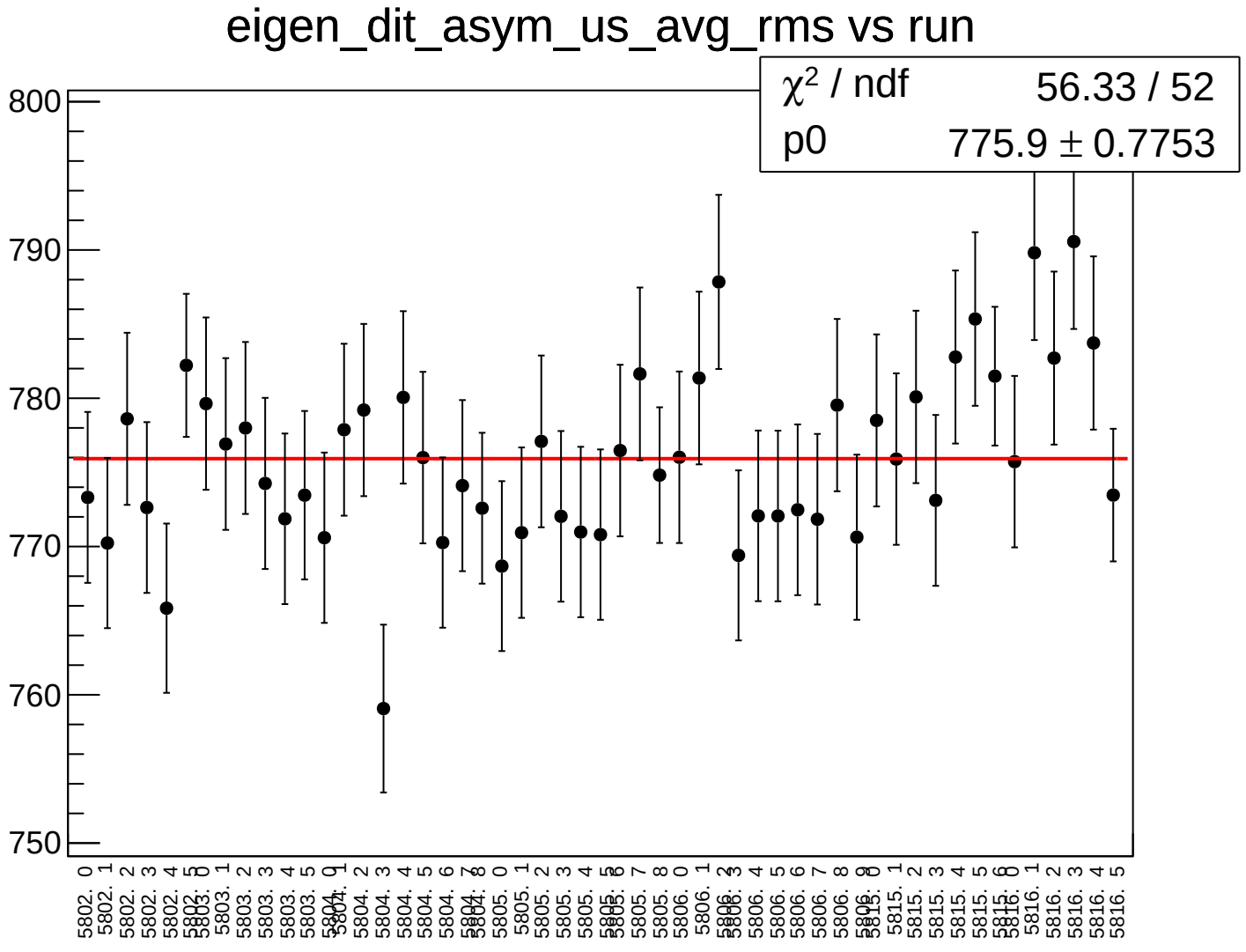
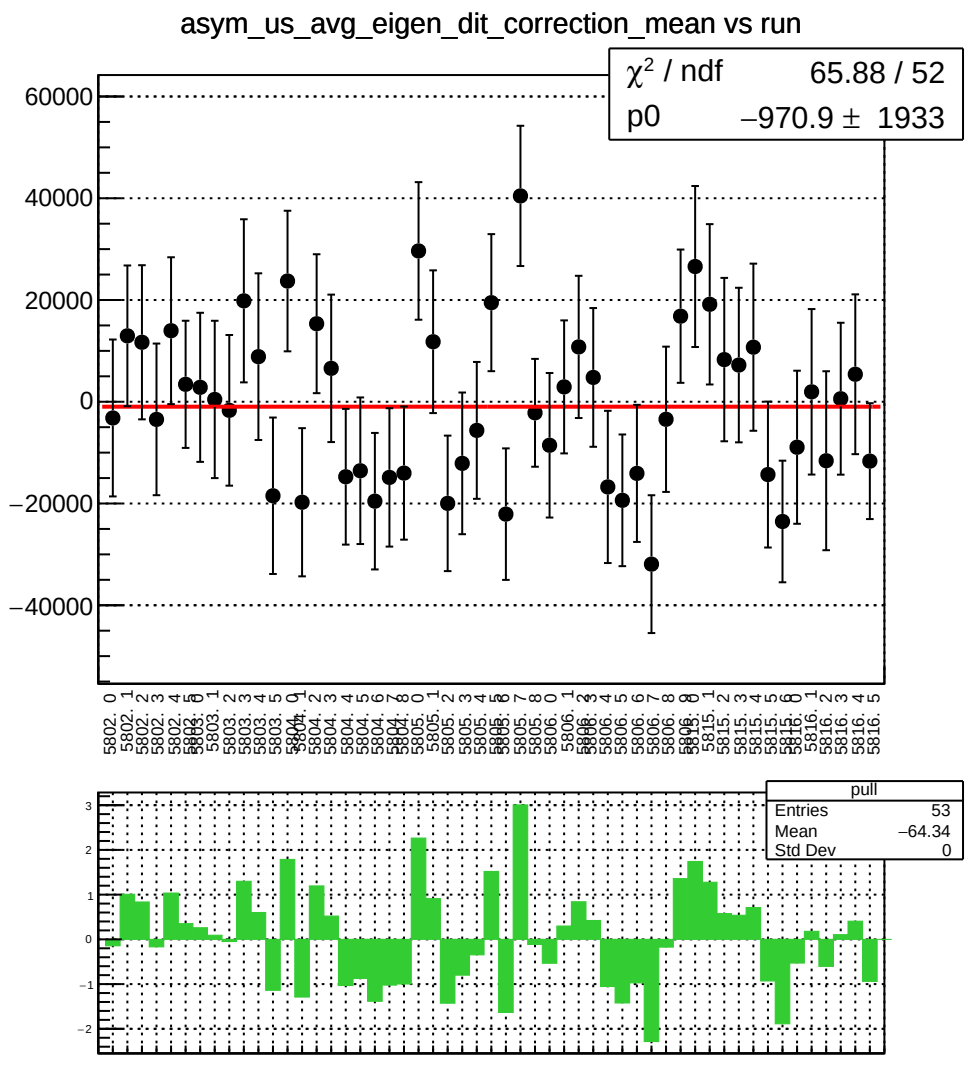
0
2
4
6
8

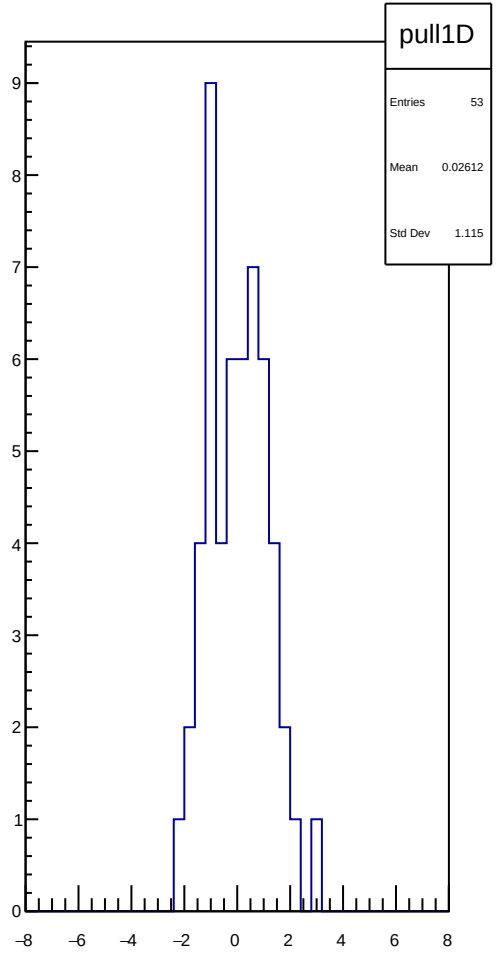

asym_us_avg_dit_correction_rms vs run
χ² / ndf 4714 / 52
p0 1365 ± 1.367
1700
1600
1500
1400
1300
1200


eigen_dit_asym_us_avg_mean vs run
χ² / ndf 54.73 / 52
p0 2162 ± 1097
pull
Entries 53
Mean 163.2
Std Dev 0


pull1D
Entries 53
Mean 0.01435
Std Dev 1.016


eigen_dit_asym_us_avg_rms vs run
χ² / ndf 56.33 / 52
p0 775.9 ± 0.7753
800
790
780
770
760
750


asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.88 / 52
p0 −970.9 ± 1933
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −64.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02612
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
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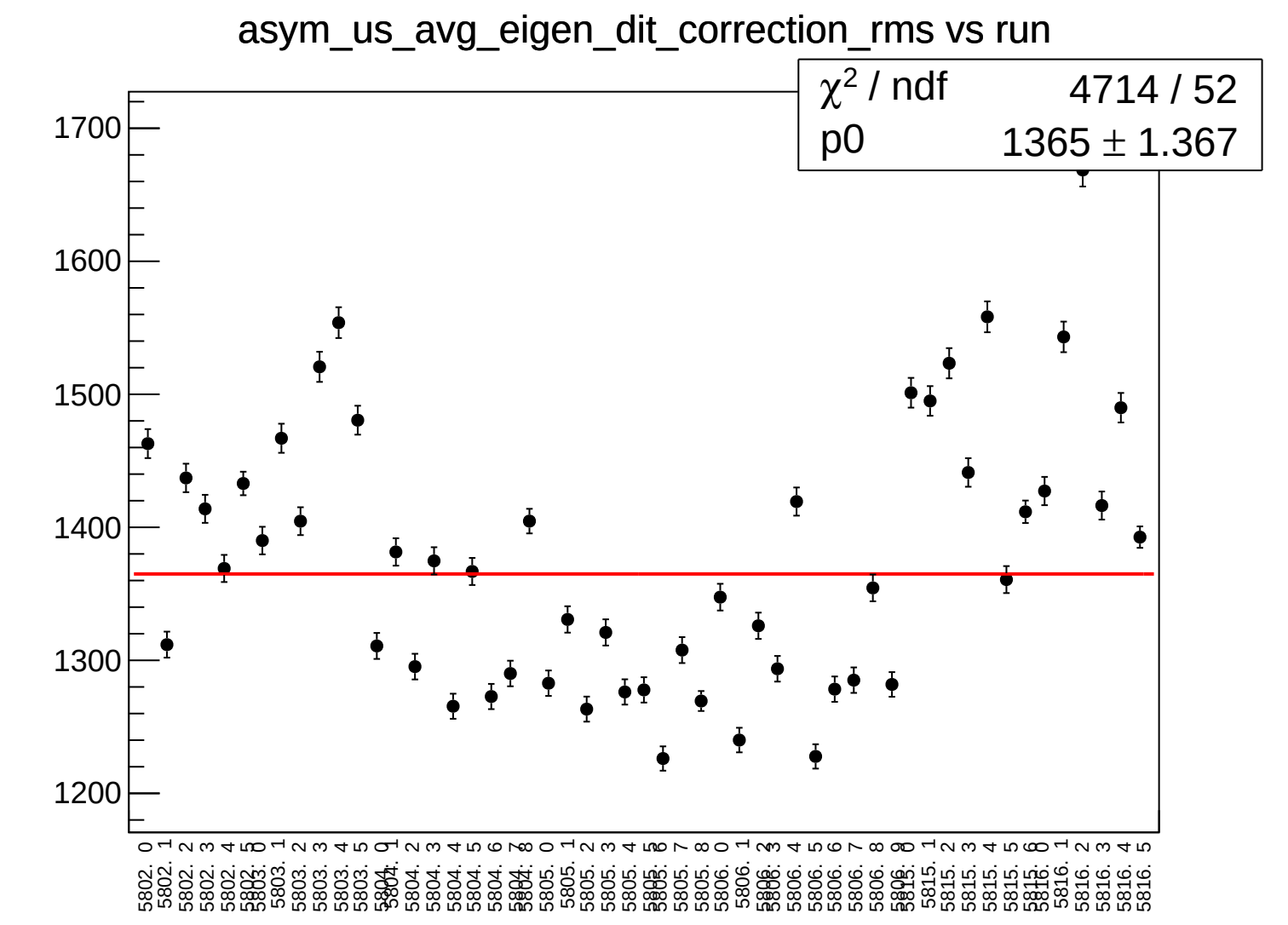
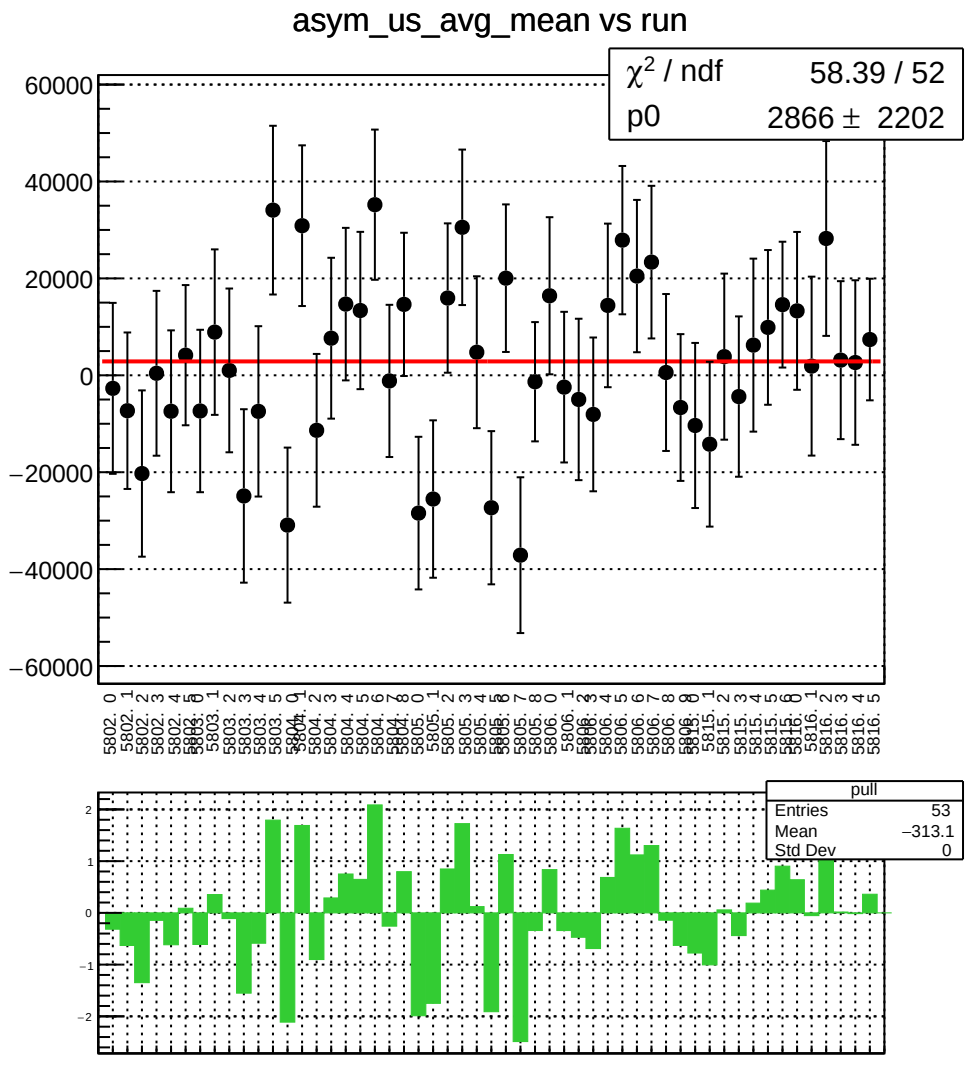
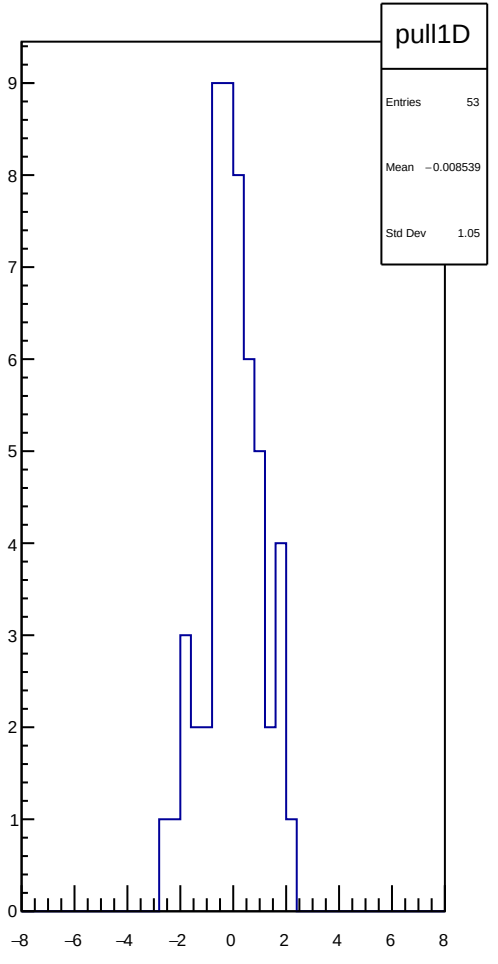
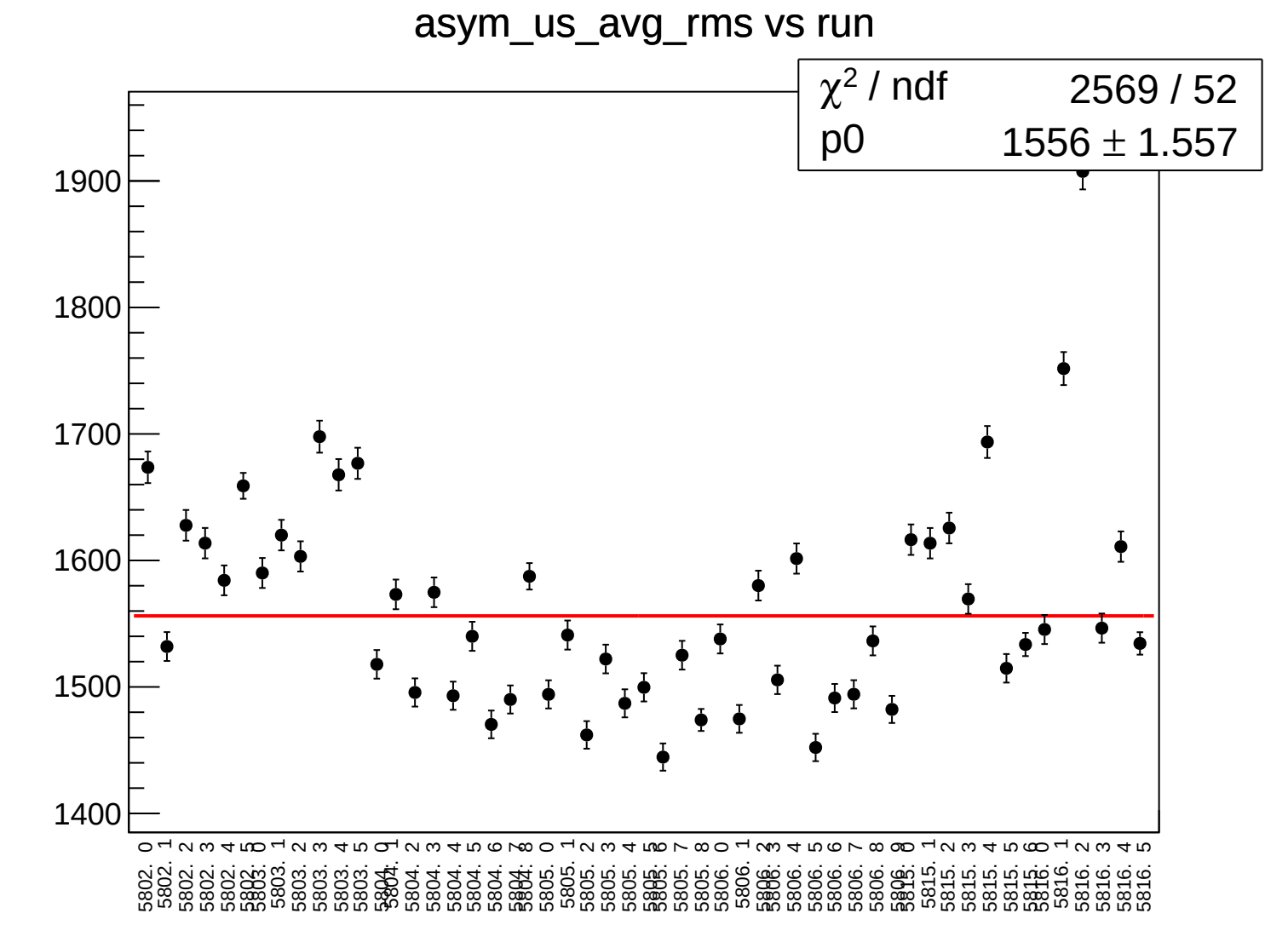
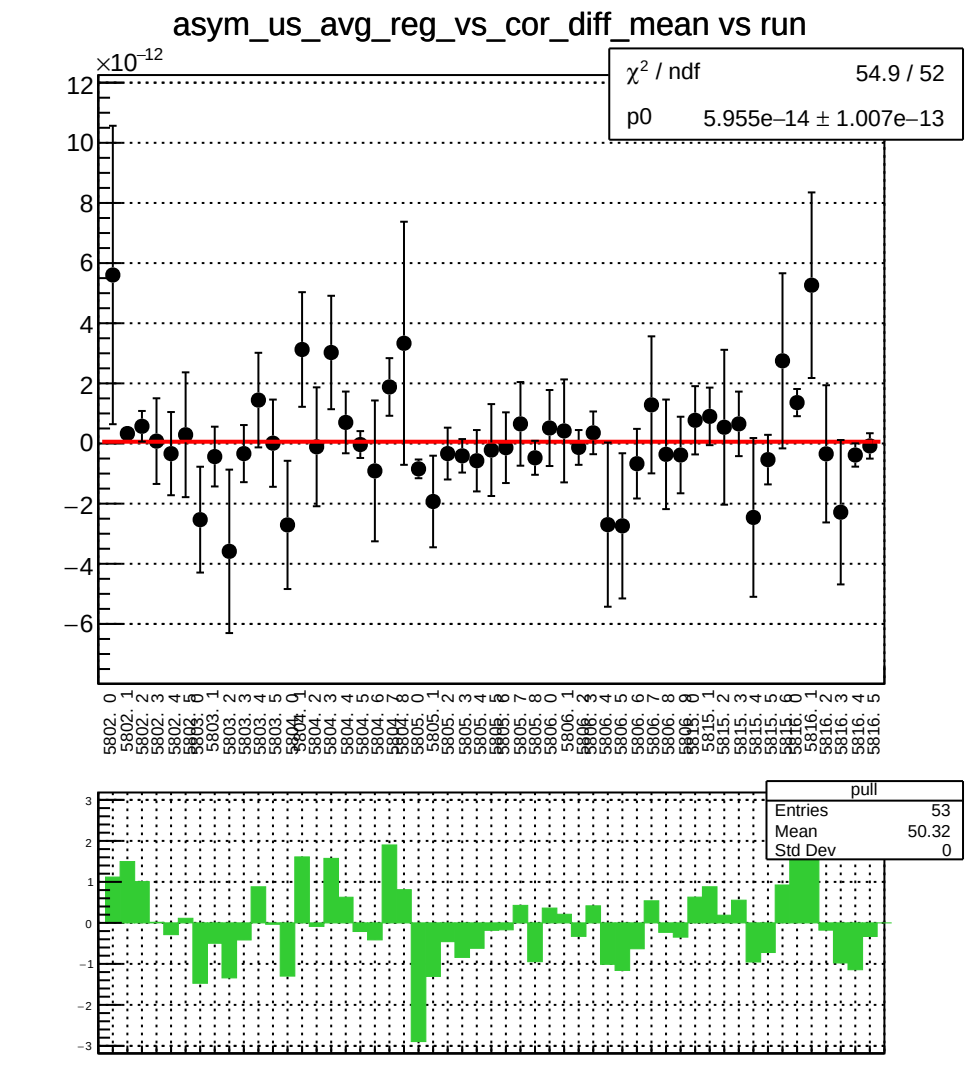
0
2
4
6
8

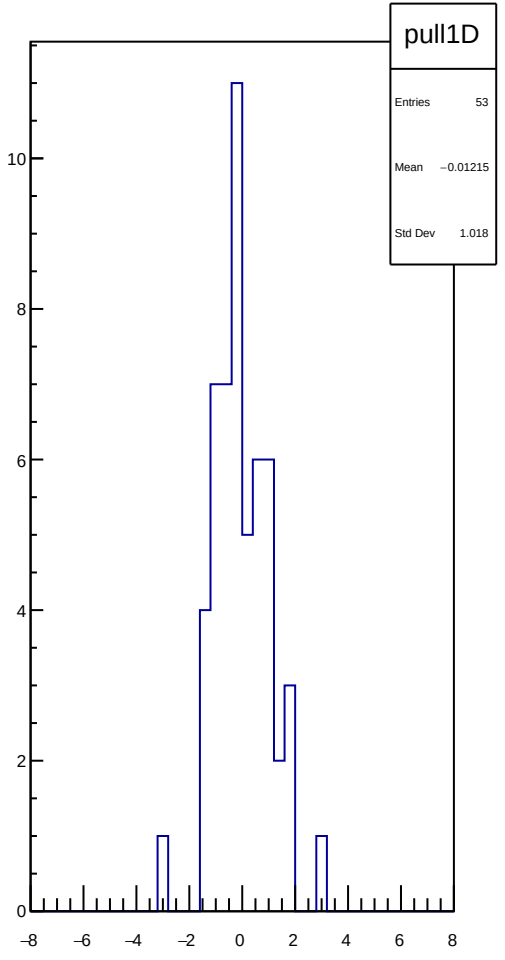

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 4714 / 52
p0 1365 ± 1.367
1700
1600
1500
1400
1300
1200

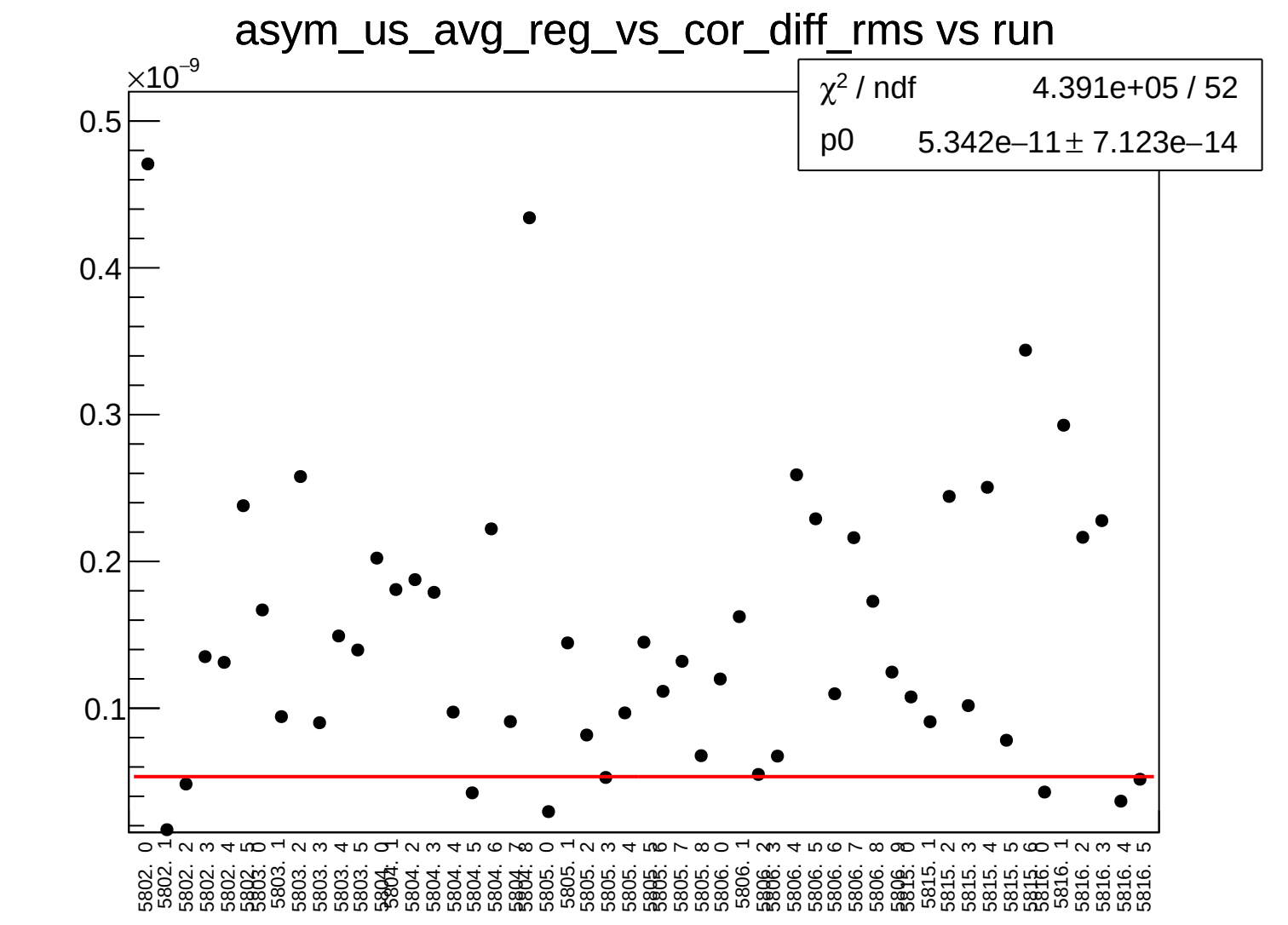

asym_us_avg_mean vs run
χ² / ndf 58.39 / 52
p0 2866 ± 2202
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −313.1
Std Dev 0
2
1
0
−1
−2

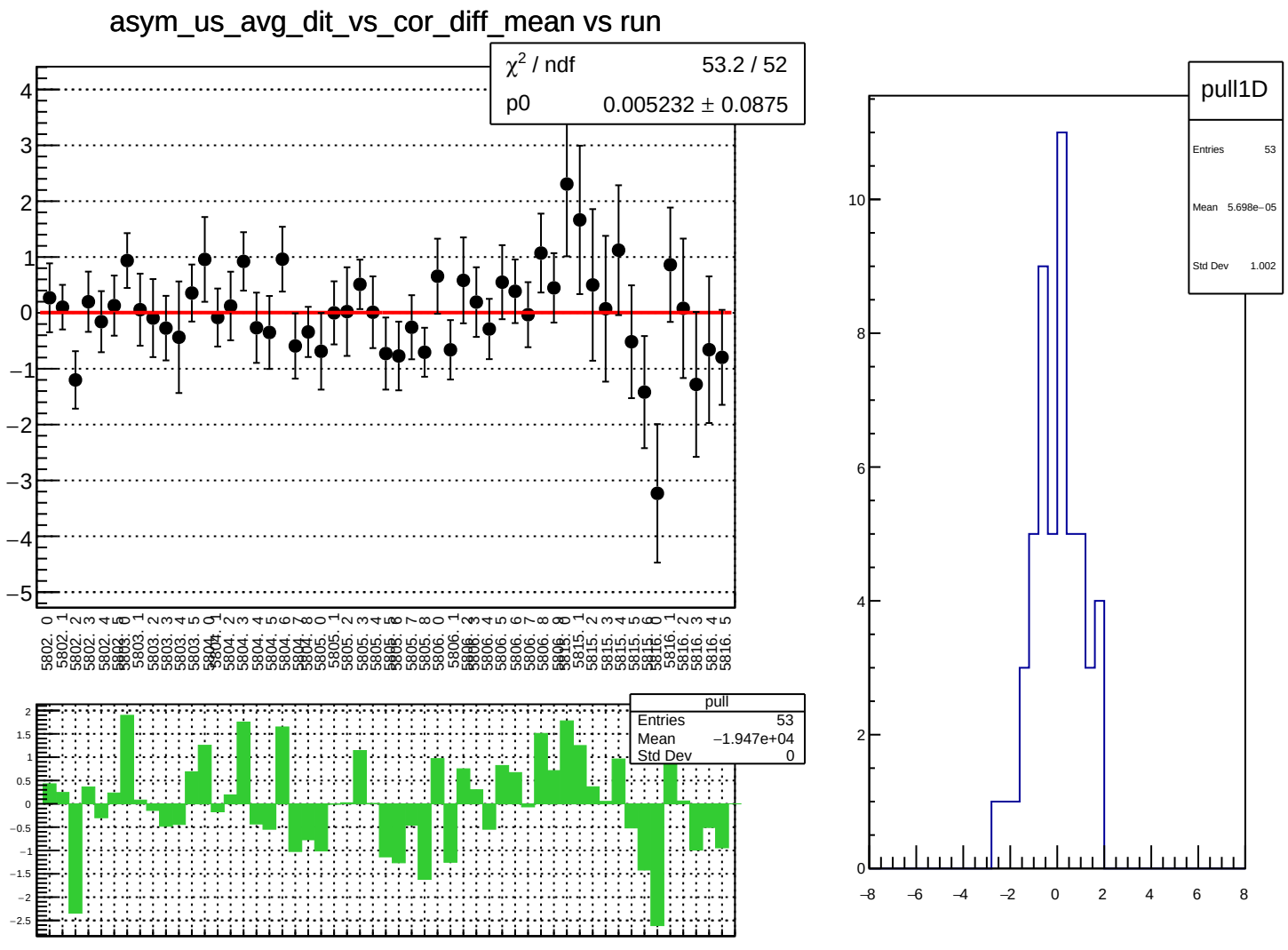

pull1D
Entries 53
Mean −0.008539
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

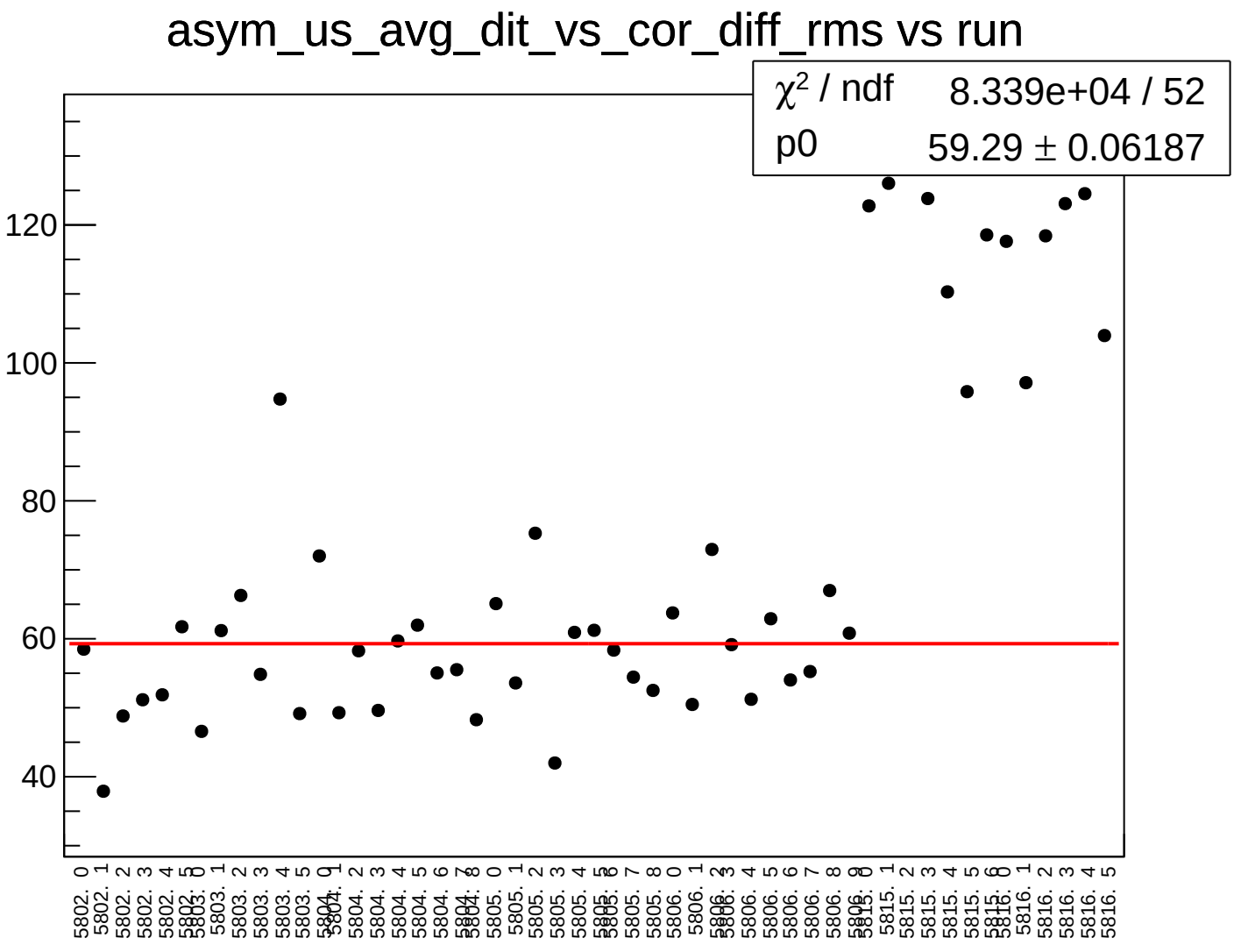

asym_us_avg_rms vs run
χ² / ndf 2569 / 52
p0 1556 ± 1.557
1900
1800
1700
1600
1500
1400

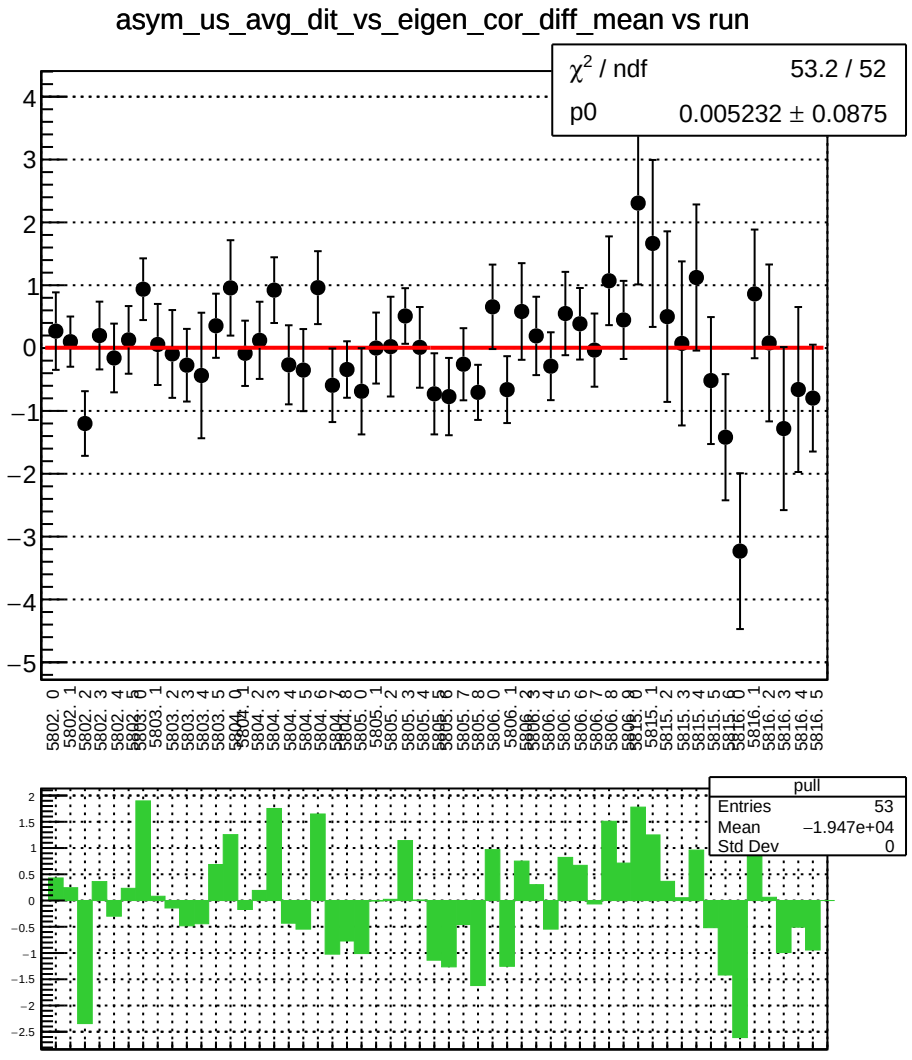

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.9 / 52
p0 5.955e−14 ± 1.007e−13
pull
Entries 53
Mean 50.32
Std Dev 0

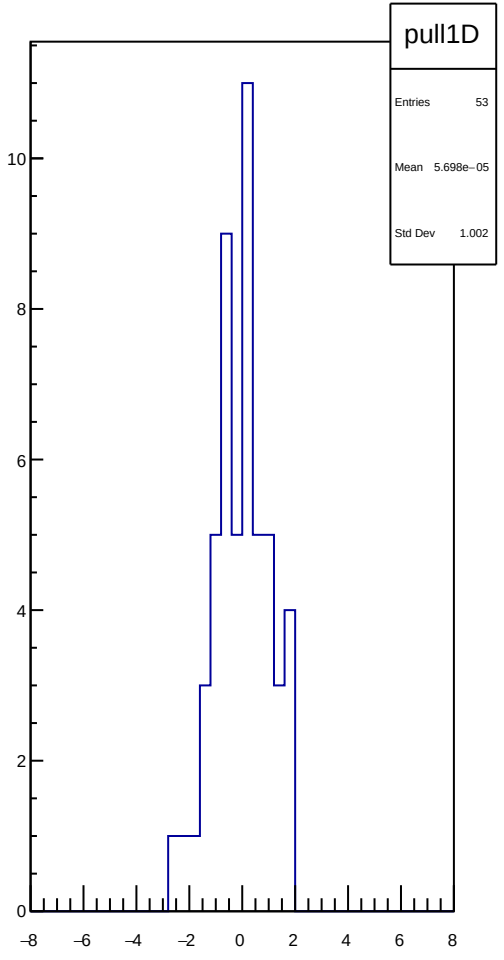

pull1D
Entries 53
Mean −0.01215
Std Dev 1.018

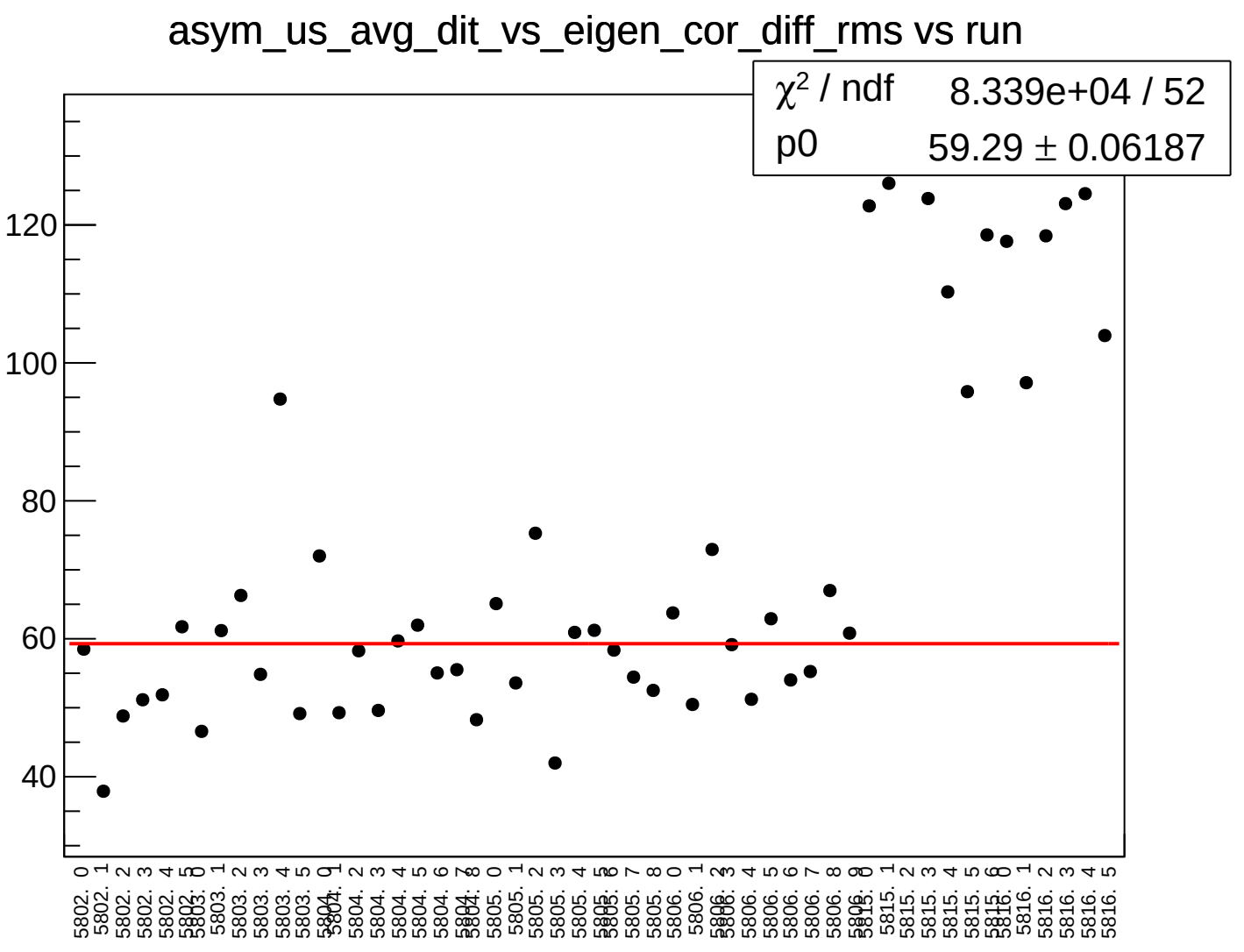

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.391e+05 / 52
p0 5.342e−11 ± 7.123e−14
0.5
0.4
0.3
0.2
0.1

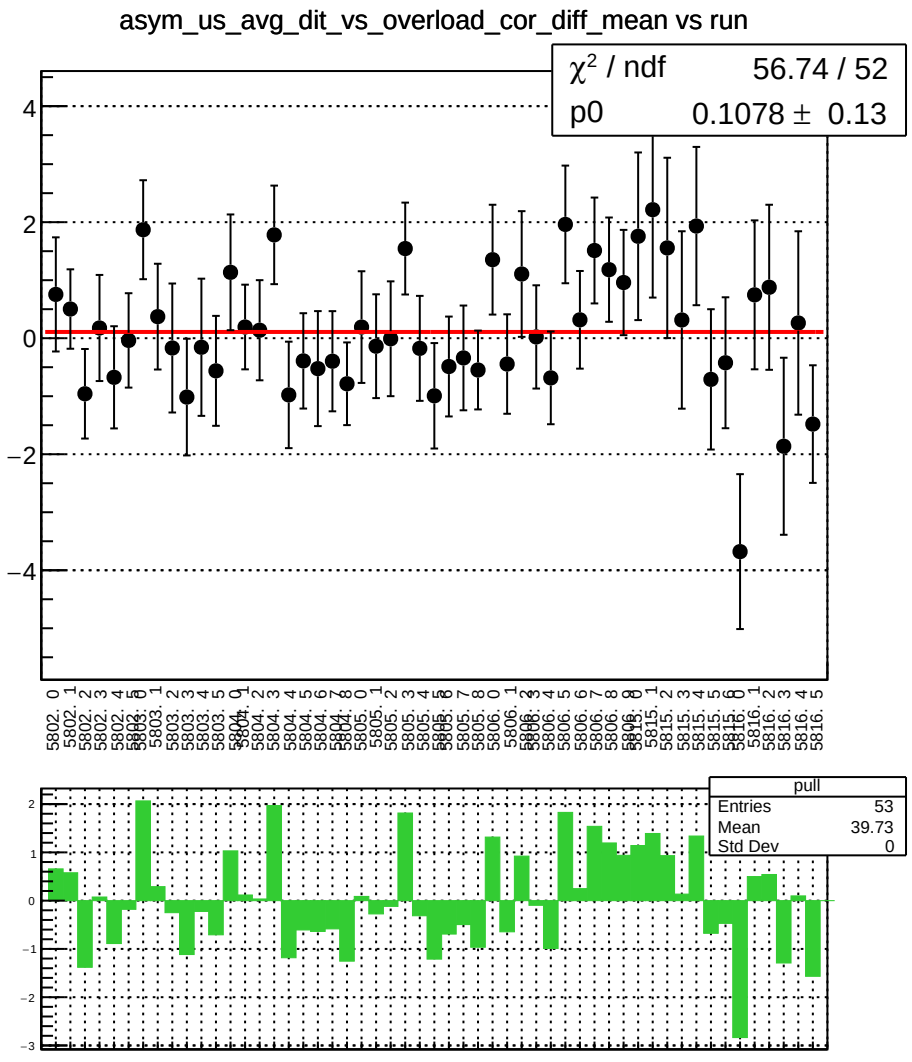

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.2 / 52
p0 0.005232 ± 0.0875
pull
Entries 53
Mean −1.947e+04
Std Dev 0
pull1D
Entries 53
Mean 5.698e−05
Std Dev 1.002

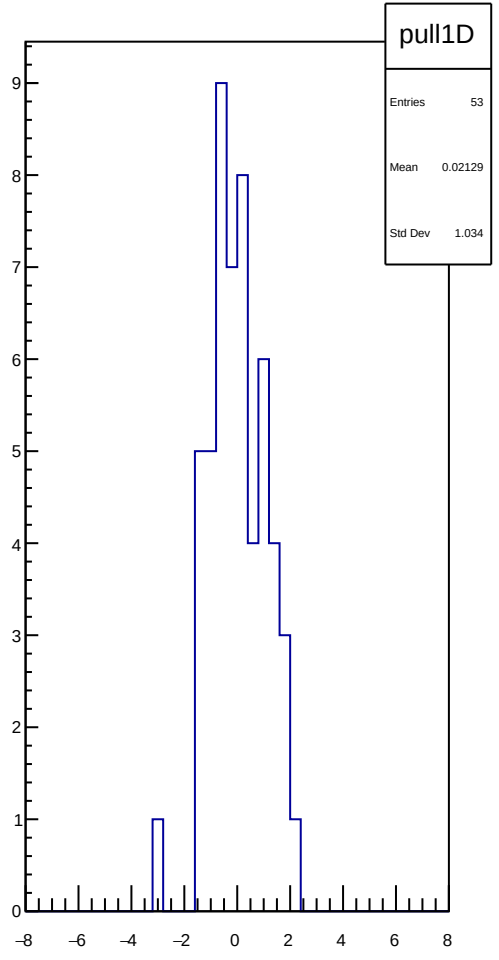

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.339e+04 / 52
p0 59.29 ± 0.06187
120
100
80
60
40

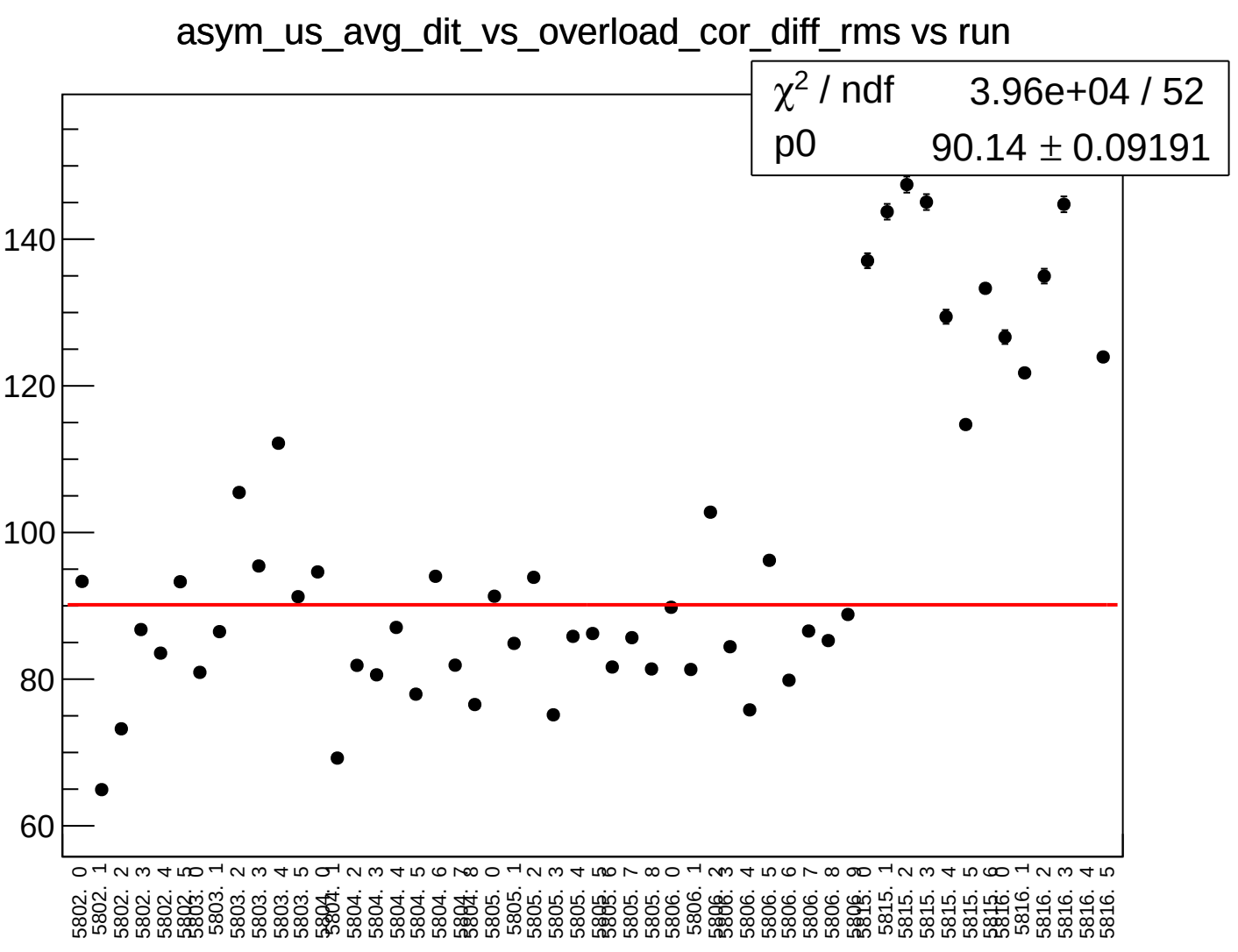

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.2 / 52
p0 0.005232 ± 0.0875
pull
Entries 53
Mean −1.947e+04
Std Dev 0

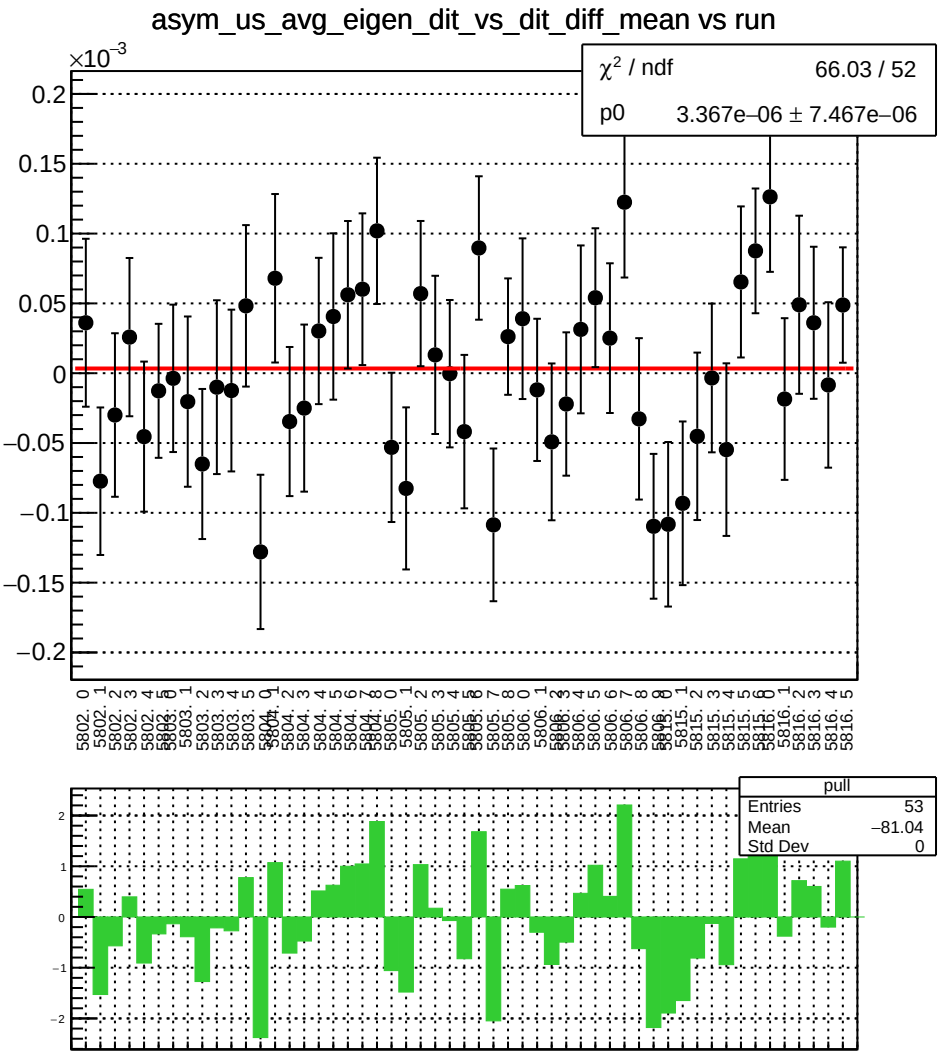

pull1D
Entries 53
Mean 5.698e−05
Std Dev 1.002

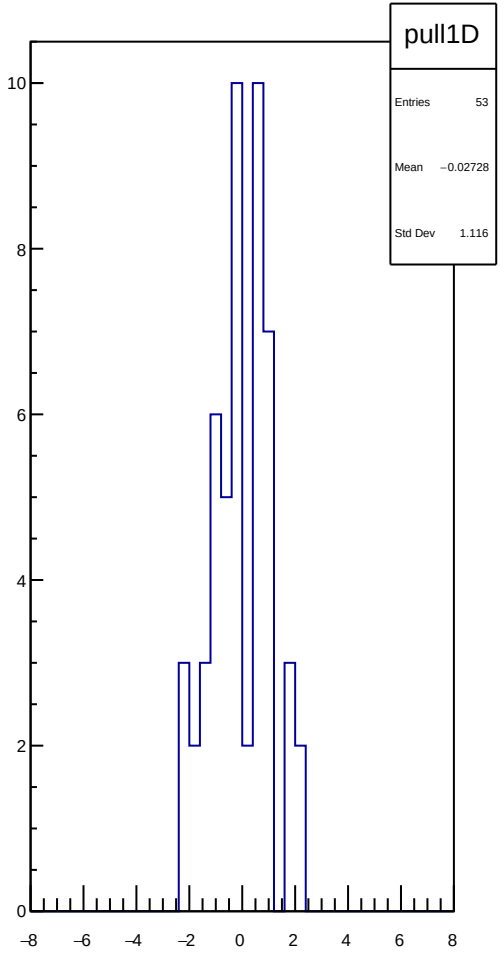

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.339e+04 / 52
p0 59.29 ± 0.06187
120
100
80
60
40

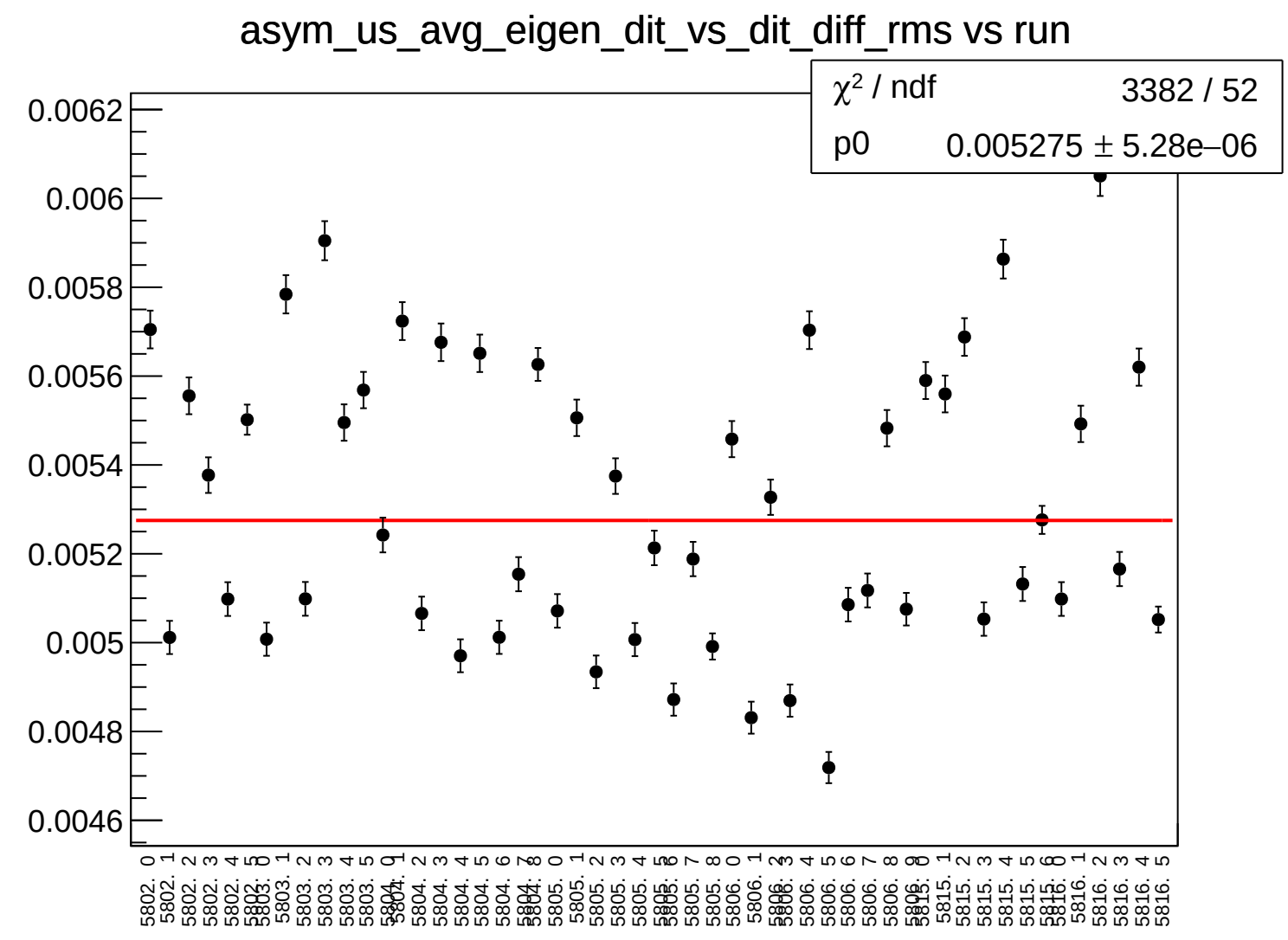

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 56.74 / 52
p0 0.1078 ± 0.13
pull
Entries 53
Mean 39.73
Std Dev 0

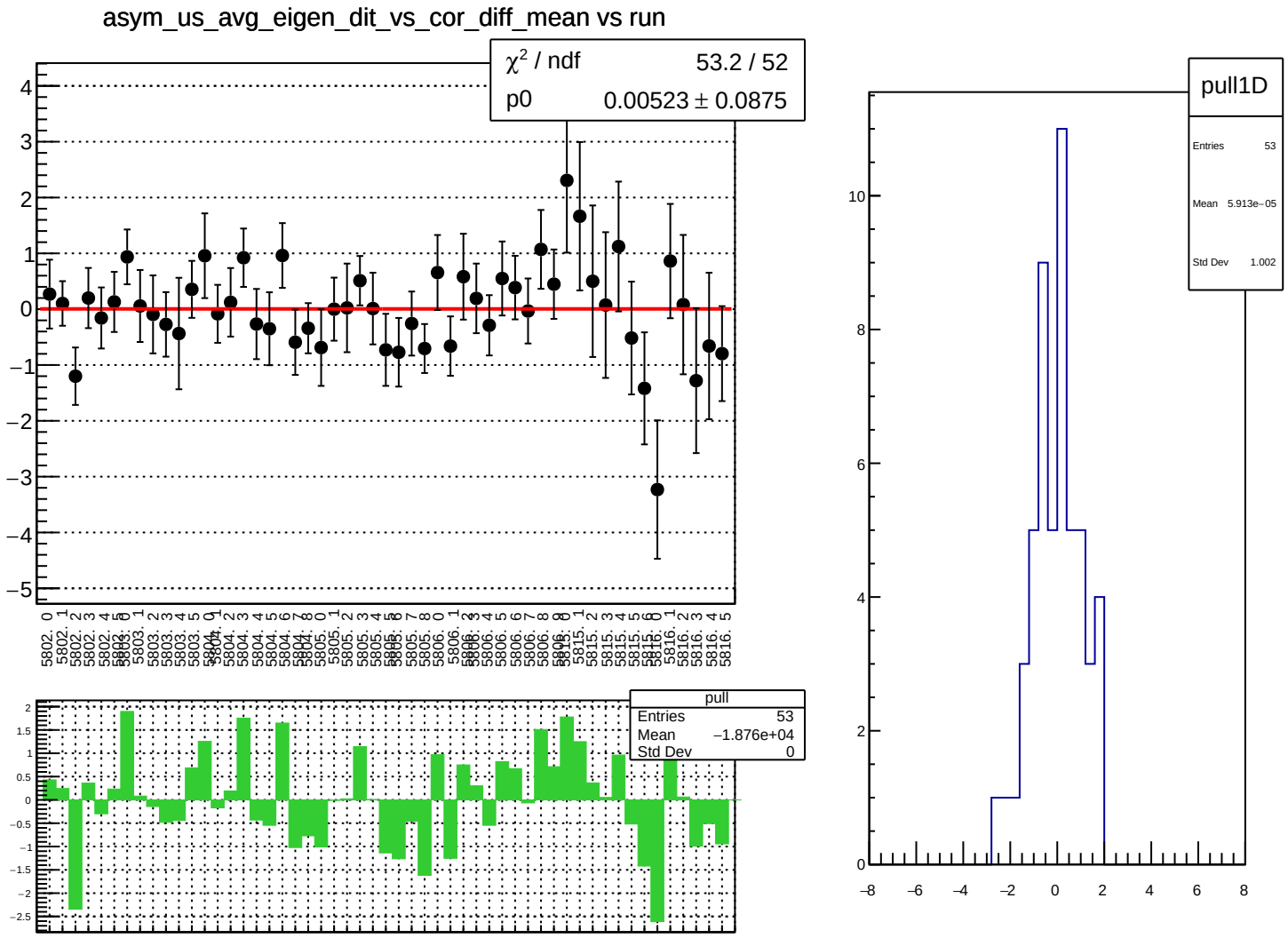

pull1D
Entries 53
Mean 0.02129
Std Dev 1.034

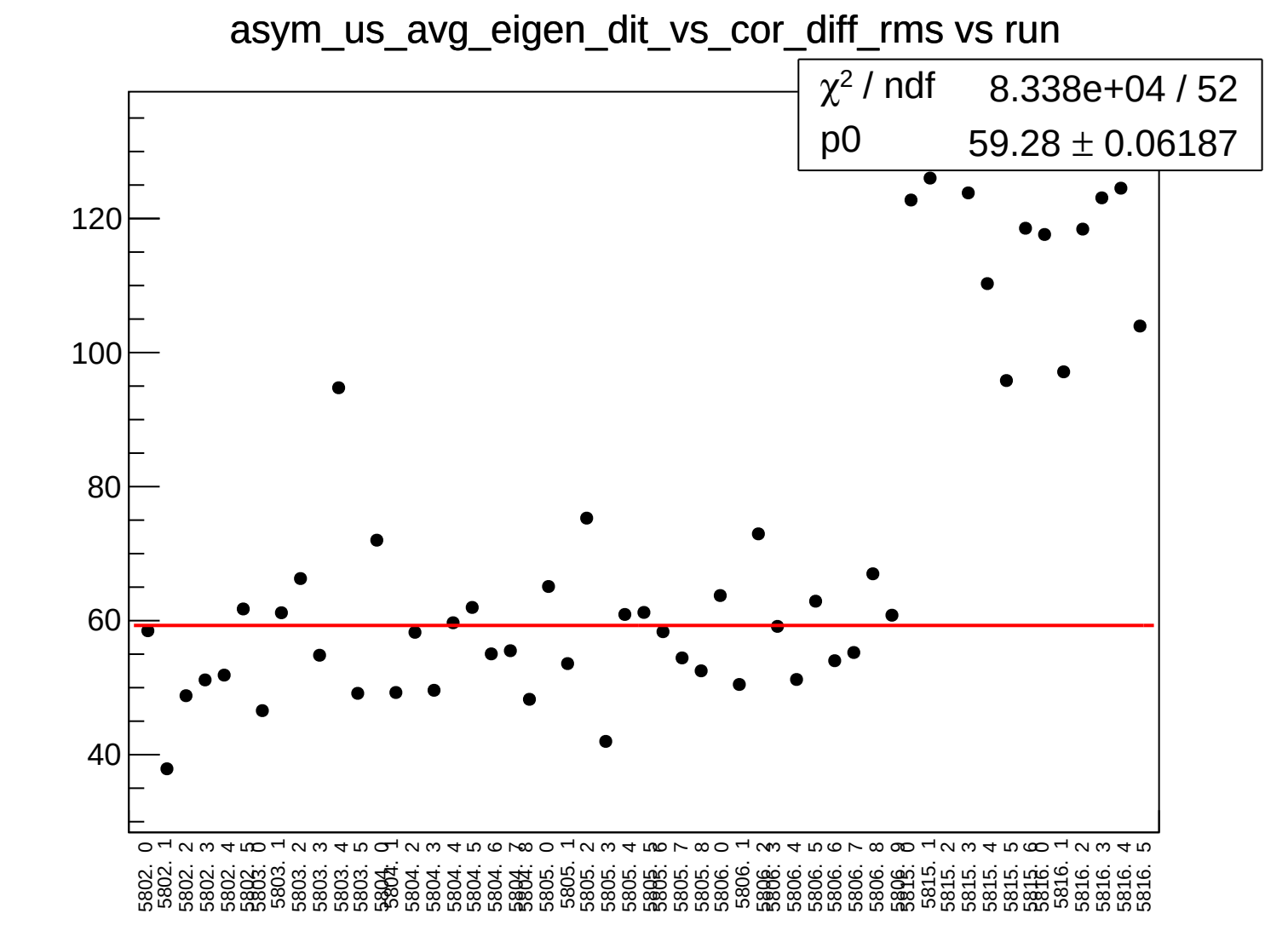

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.96e+04 / 52
p0 90.14 ± 0.09191
140
120
100
80
60

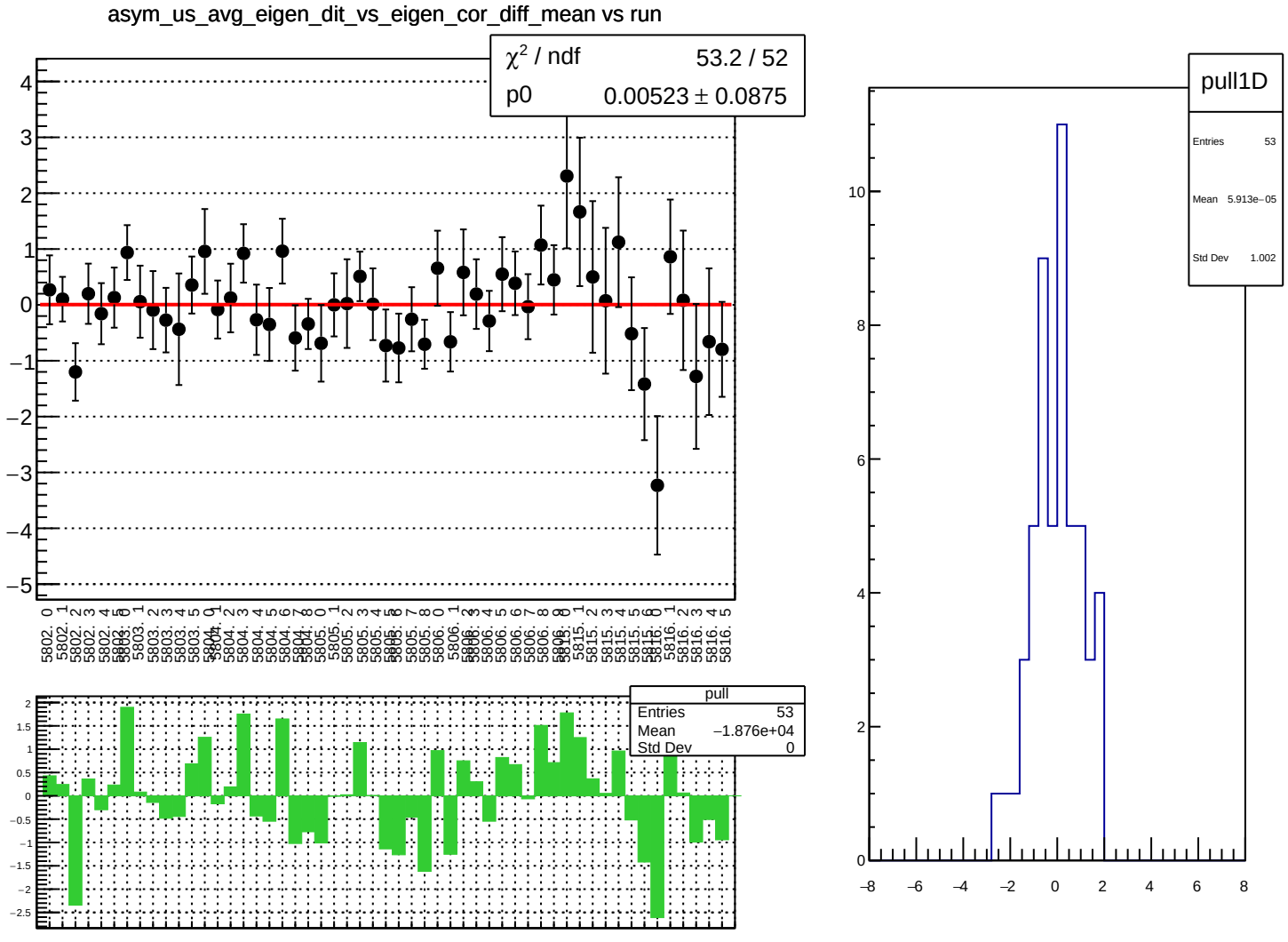

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.03 / 52
p0 3.367e−06 ± 7.467e−06
pull
Entries 53
Mean −81.04
Std Dev 0

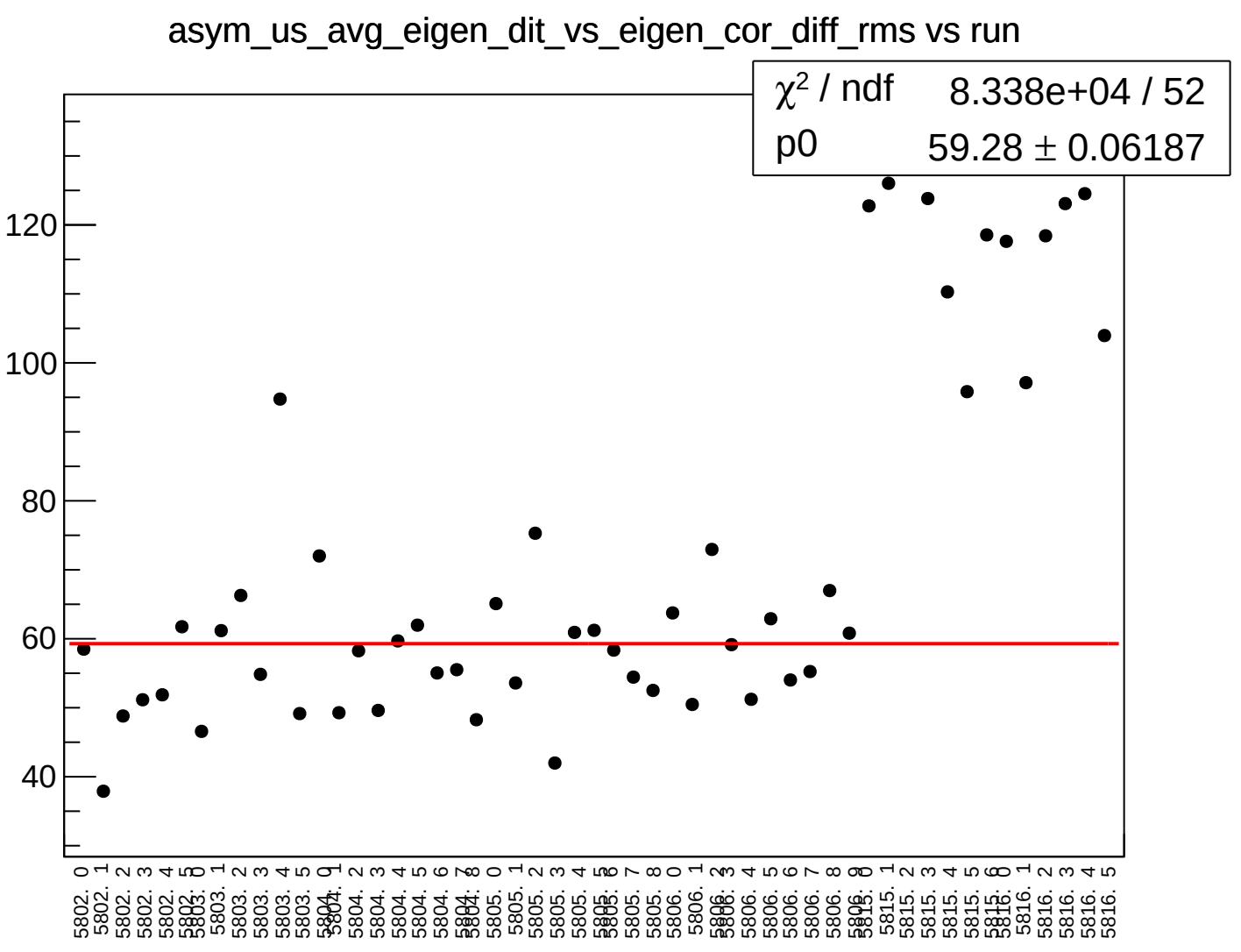

pull1D
Entries 53
Mean −0.02728
Std Dev 1.116

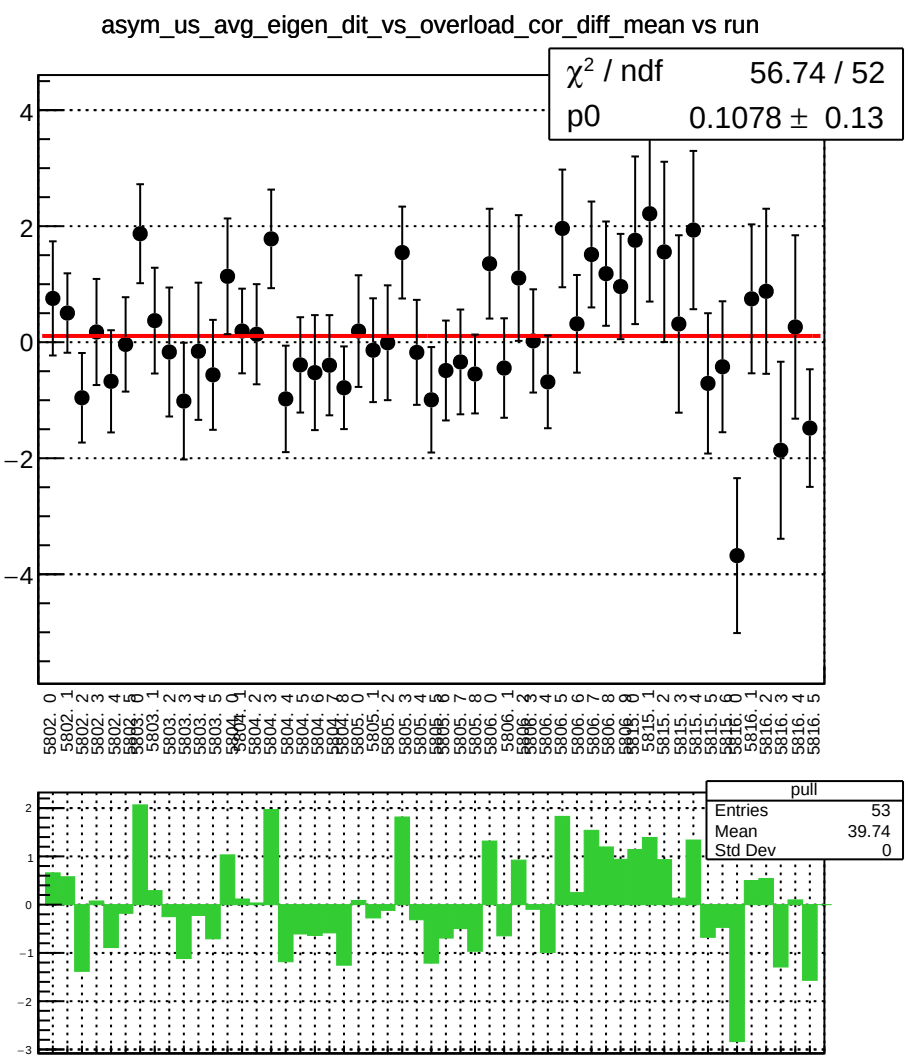

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3382 / 52
p0 0.005275 ± 5.28e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

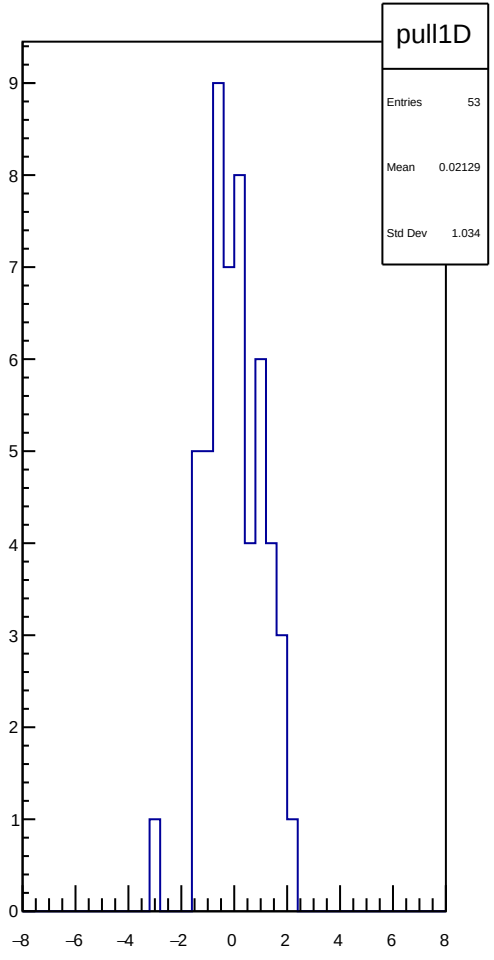

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.2 / 52
p0 0.00523 ± 0.0875
pull
Entries 53
Mean −1.876e+04
Std Dev 0
pull1D
Entries 53
Mean 5.913e−05
Std Dev 1.002

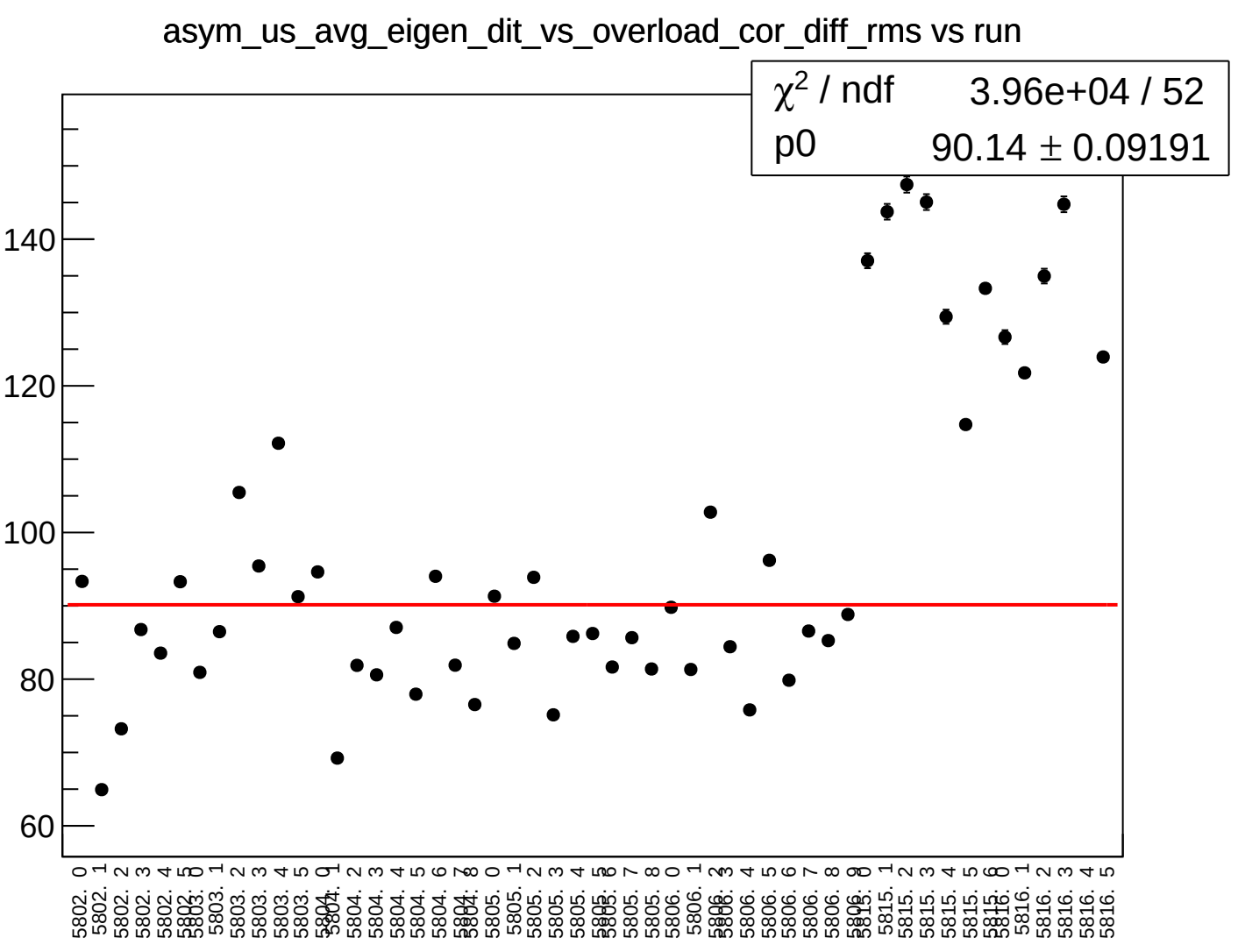

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.338e+04 / 52
p0 59.28 ± 0.06187
120
100
80
60
40

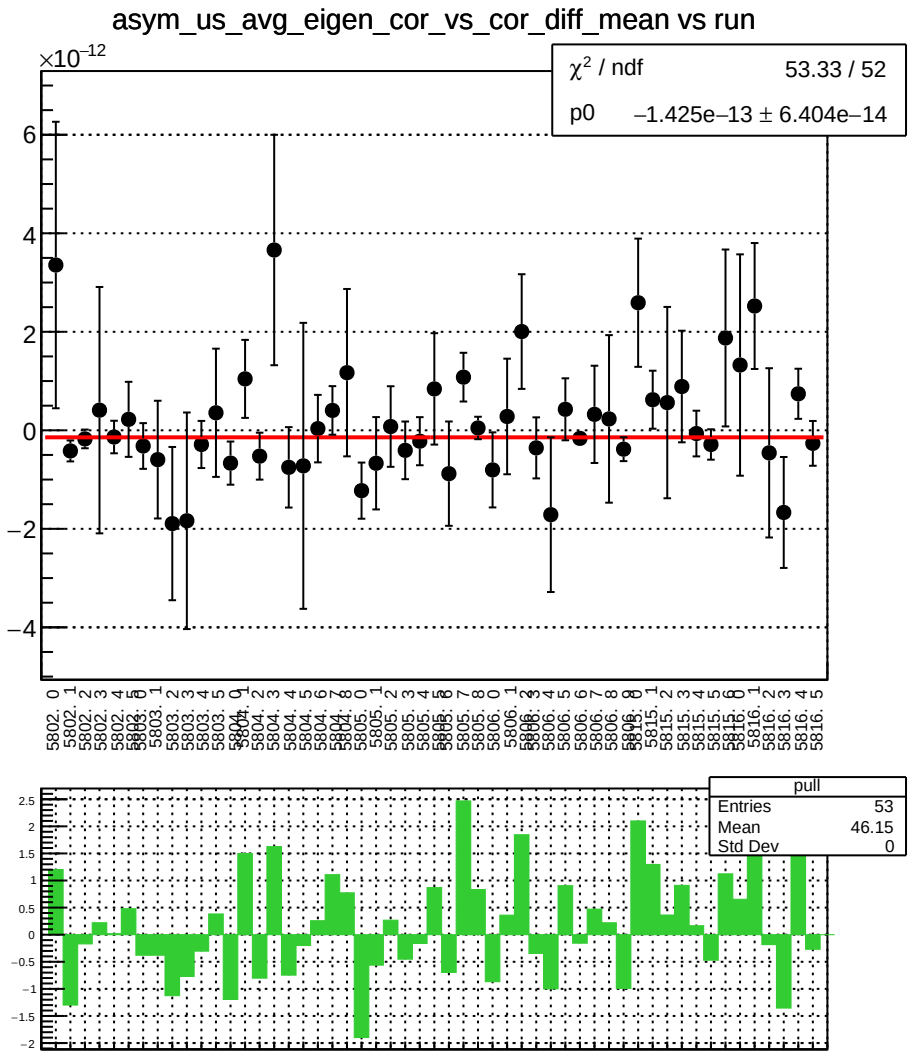

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.2 / 52
p0 0.00523 ± 0.0875
pull
Entries 53
Mean −1.876e+04
Std Dev 0
pull1D
Entries 53
Mean 5.913e−05
Std Dev 1.002

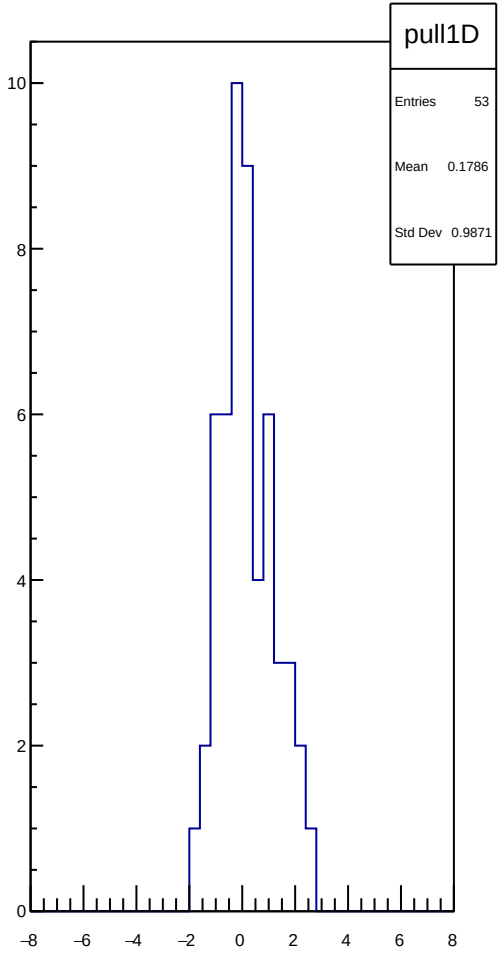

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.338e+04 / 52
p0 59.28 ± 0.06187
120
100
80
60
40

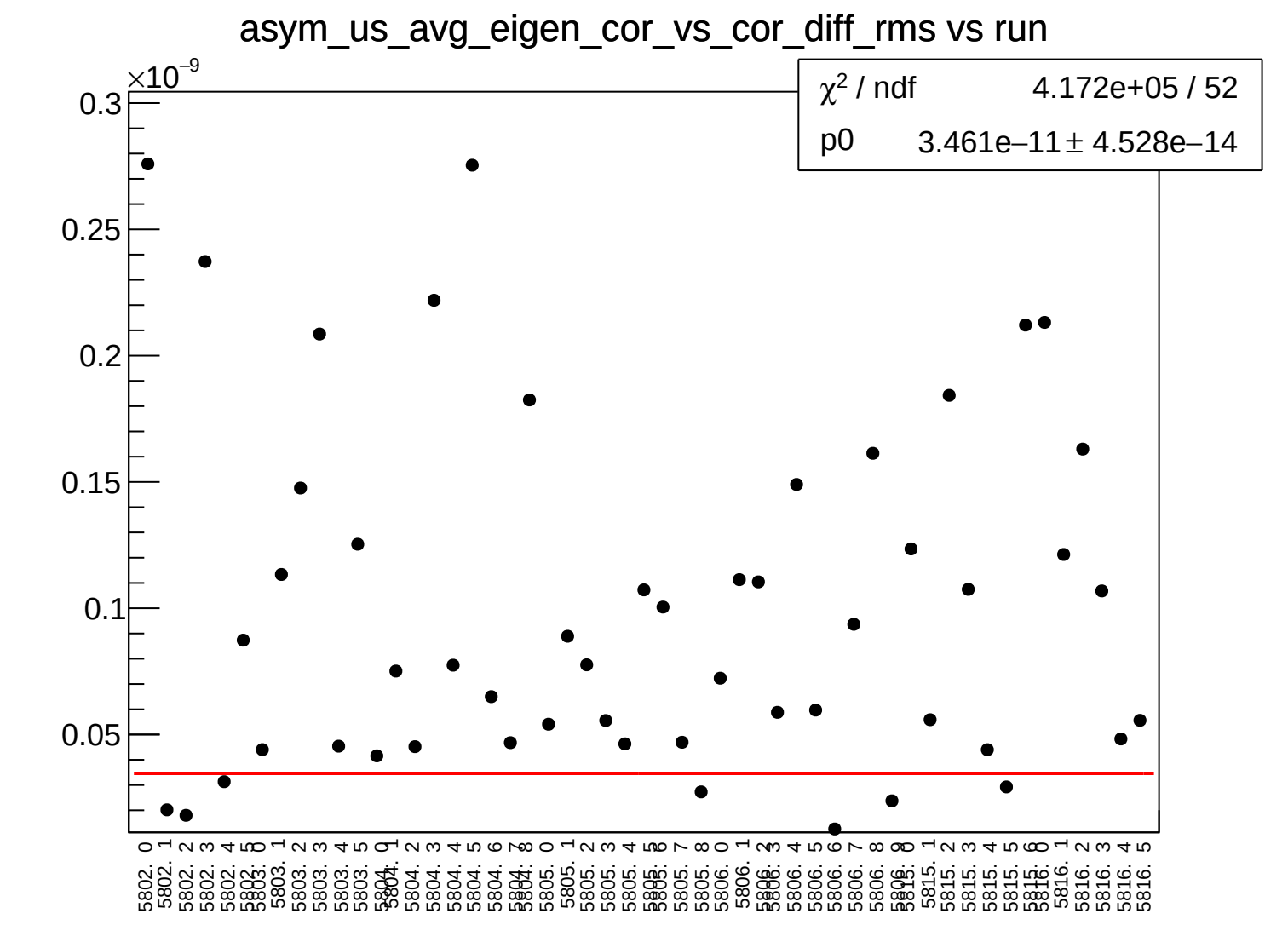

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 56.74 / 52
p0 0.1078 ± 0.13
pull
Entries 53
Mean 39.74
Std Dev 0

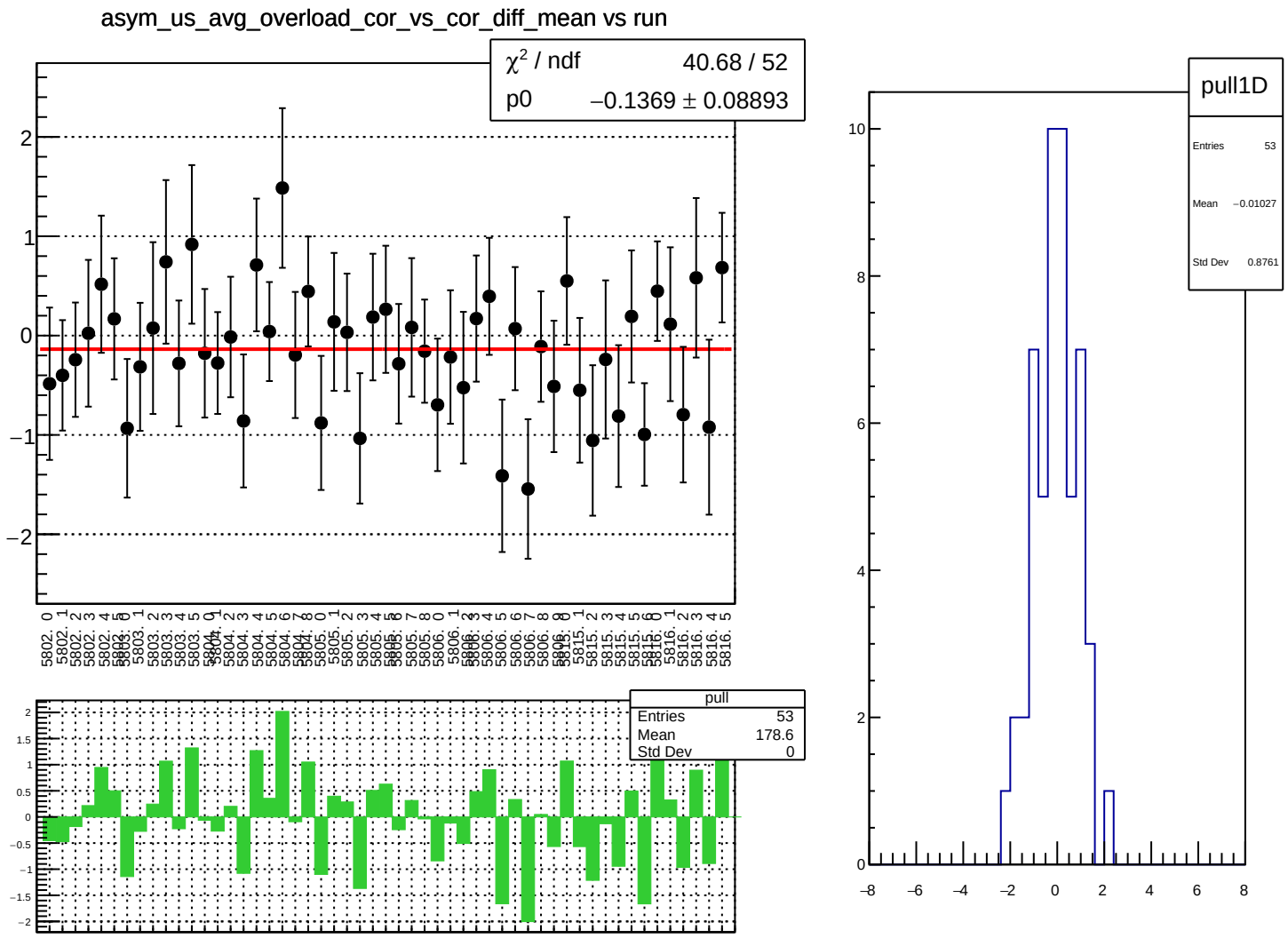

pull1D
Entries 53
Mean 0.02129
Std Dev 1.034

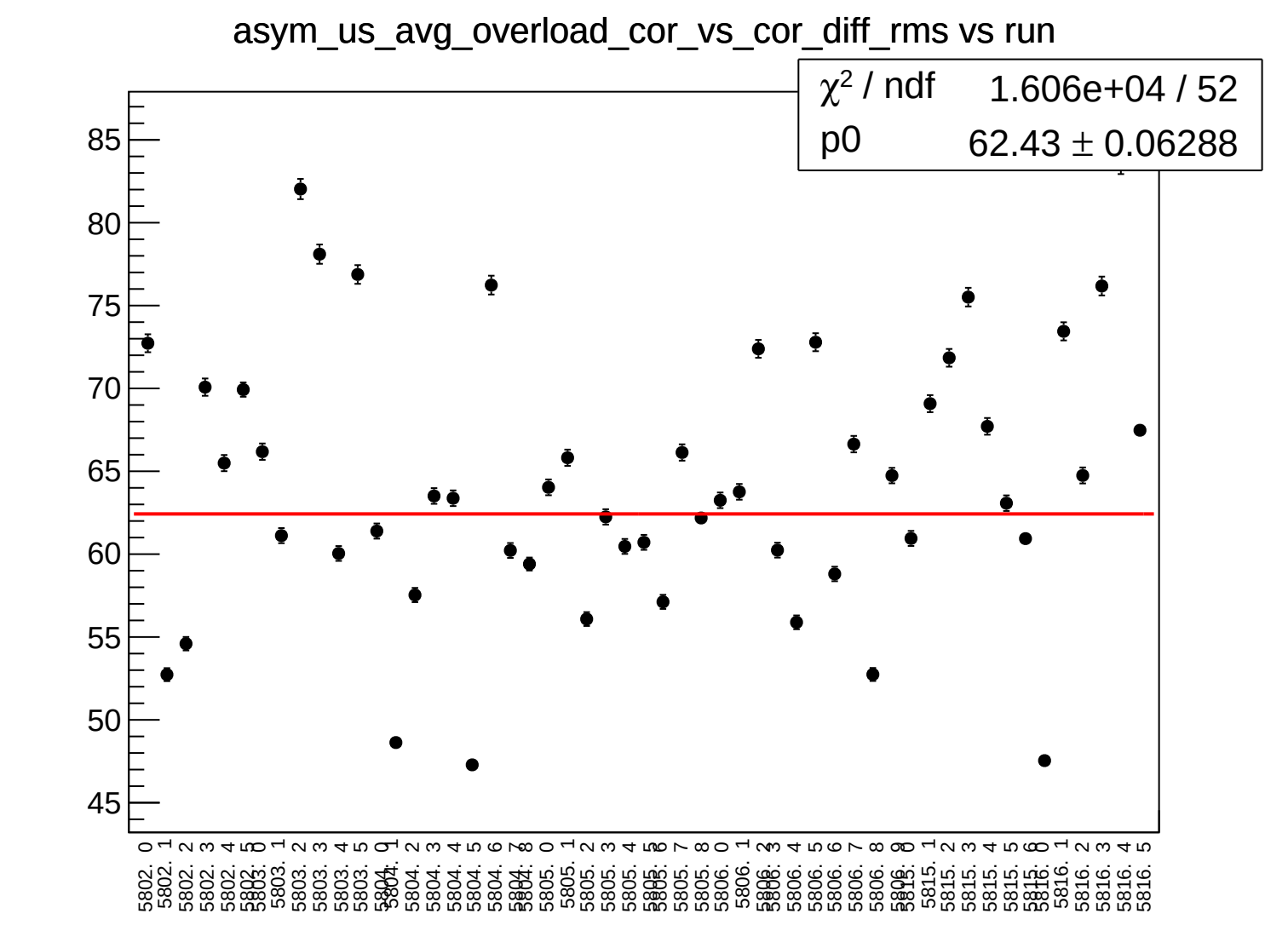

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.96e+04 / 52
p0 90.14 ± 0.09191
140
120
100
80
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

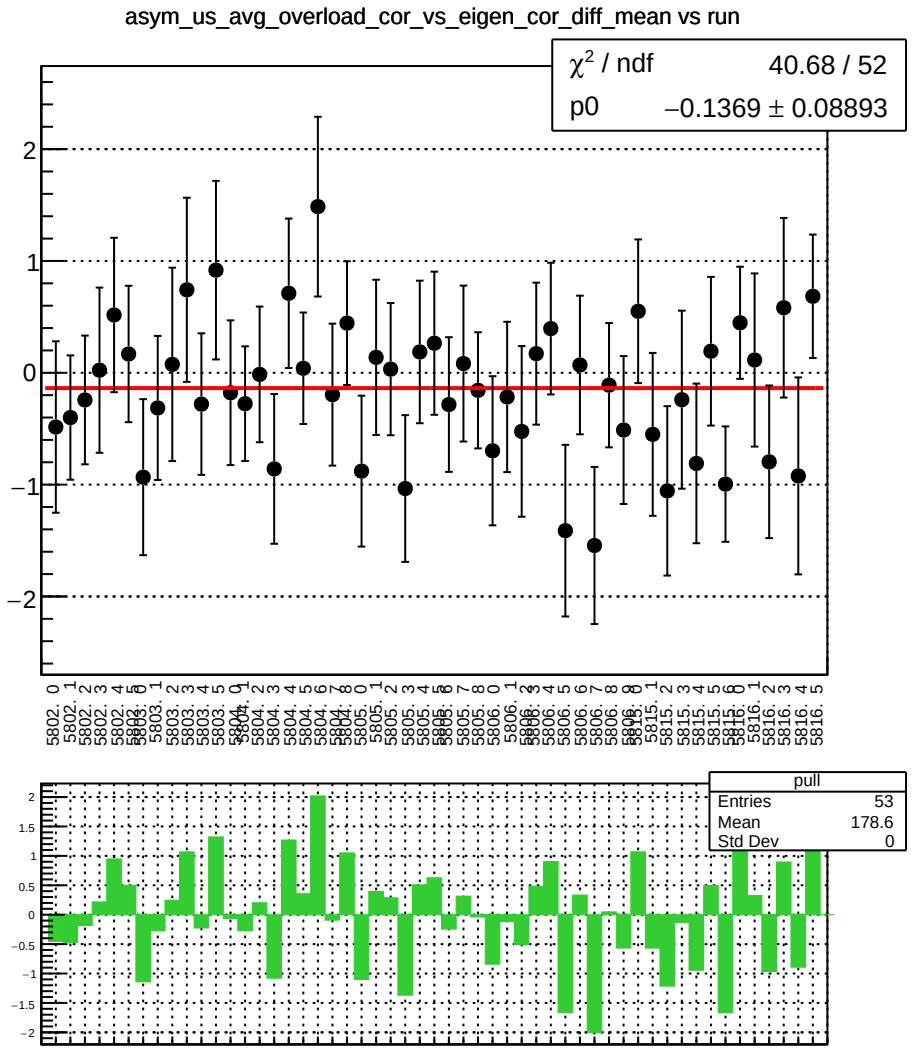

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.33 / 52
p0 −1.425e−13 ± 6.404e−14
pull
Entries 53
Mean 46.15
Std Dev 0

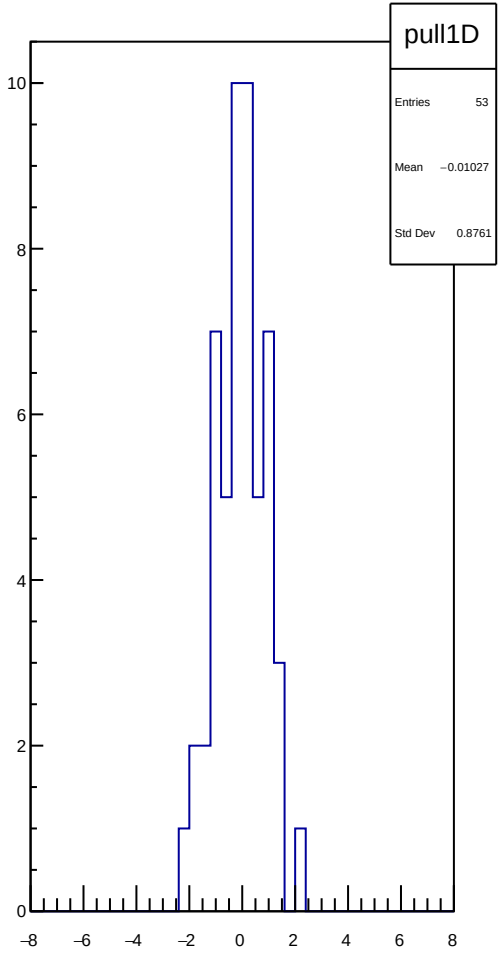

pull1D
Entries 53
Mean 0.1786
Std Dev 0.9871

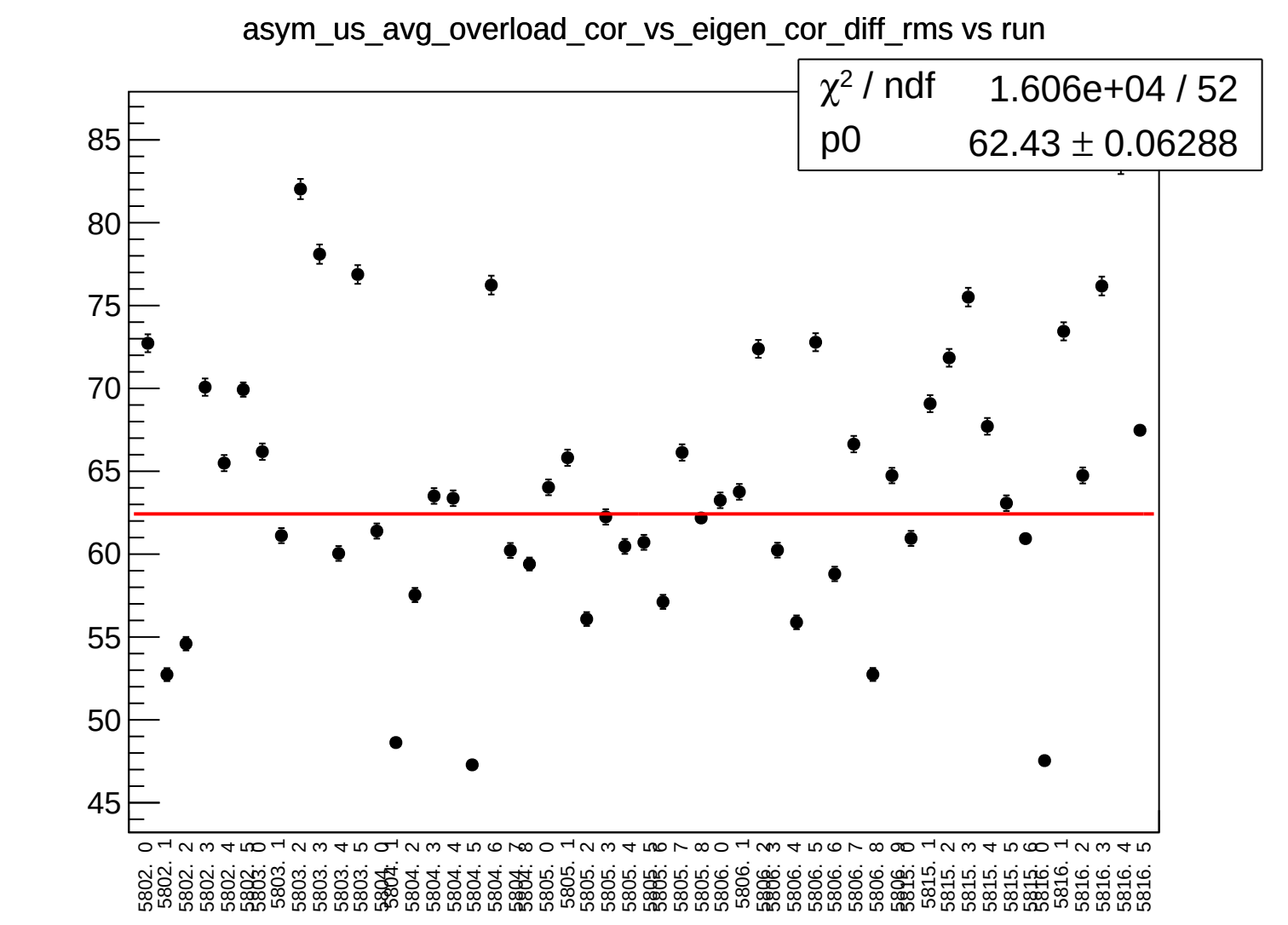

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.172e+05 / 52
p0 3.461e−11 ± 4.528e−14
0.3
0.25
0.2
0.15
0.1
0.05

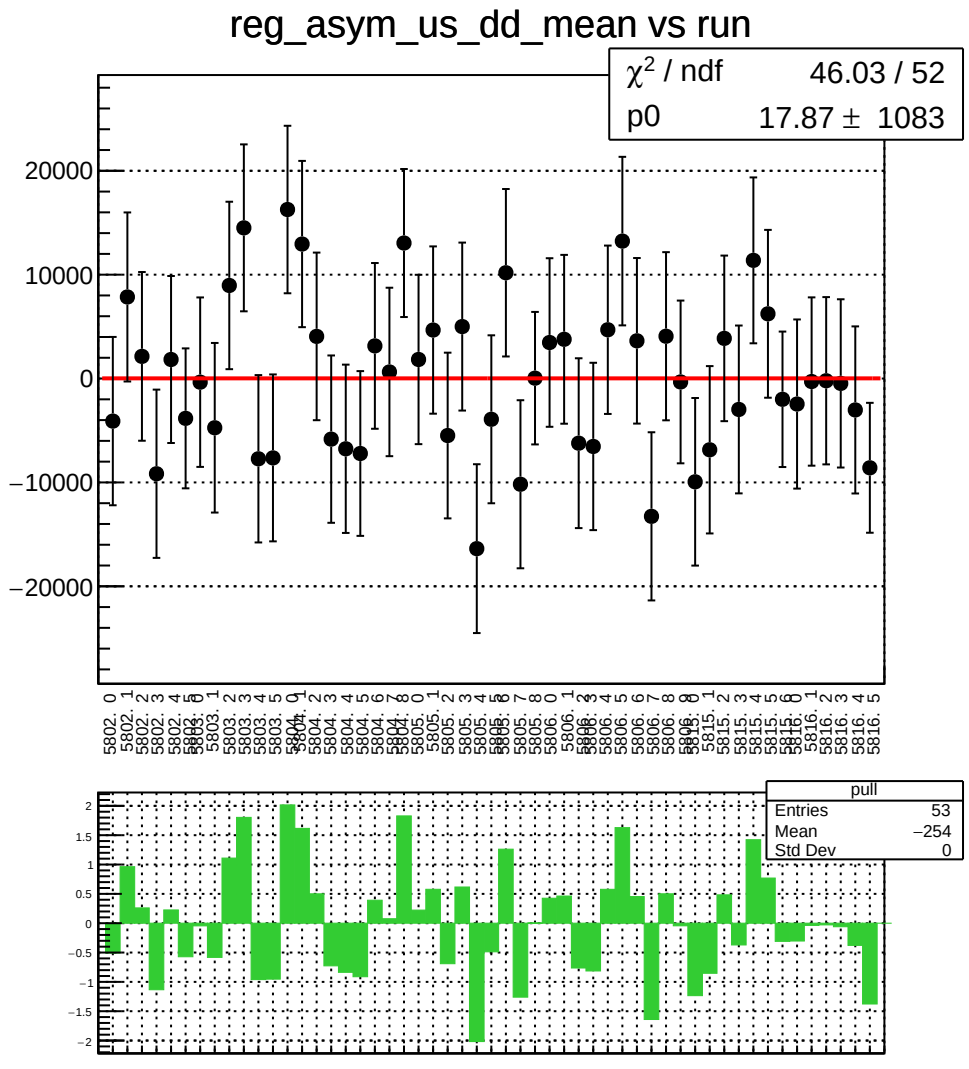

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 40.68 / 52
p0 −0.1369 ± 0.08893
pull
Entries 53
Mean 178.6
Std Dev 0
pull1D
Entries 53
Mean −0.01027
Std Dev 0.8761

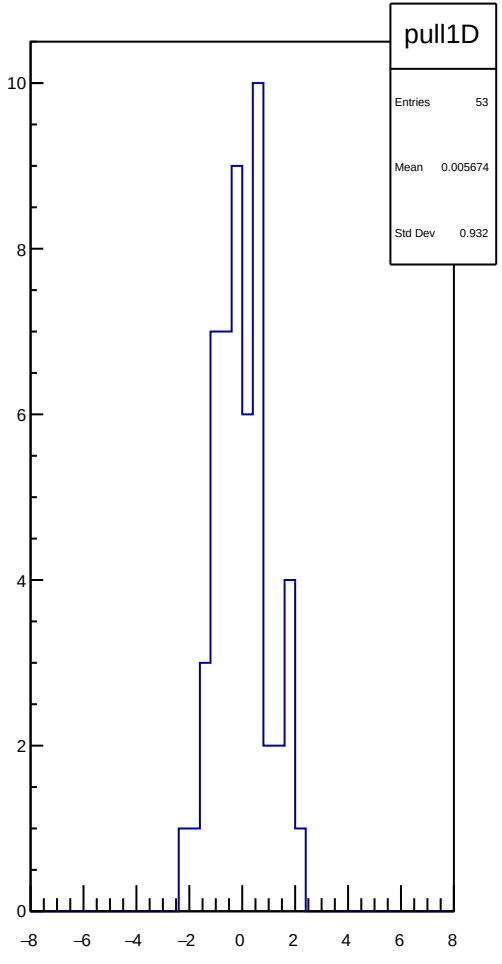

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.606e+04 / 52
p0 62.43 ± 0.06288
85
80
75
70
65
60
55
50
45

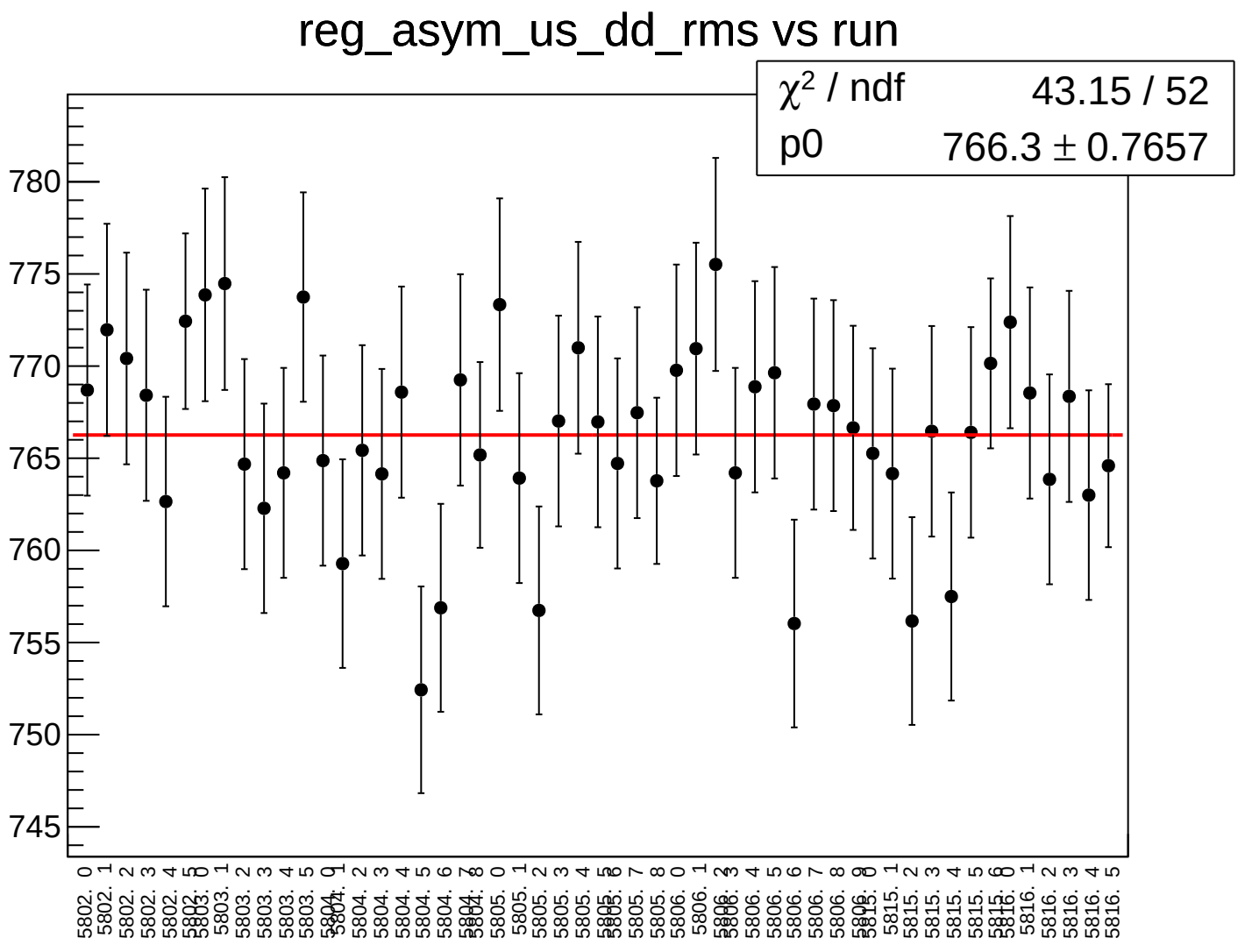

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.68 / 52
p0 −0.1369 ± 0.08893
pull
Entries 53
Mean 178.6
Std Dev 0

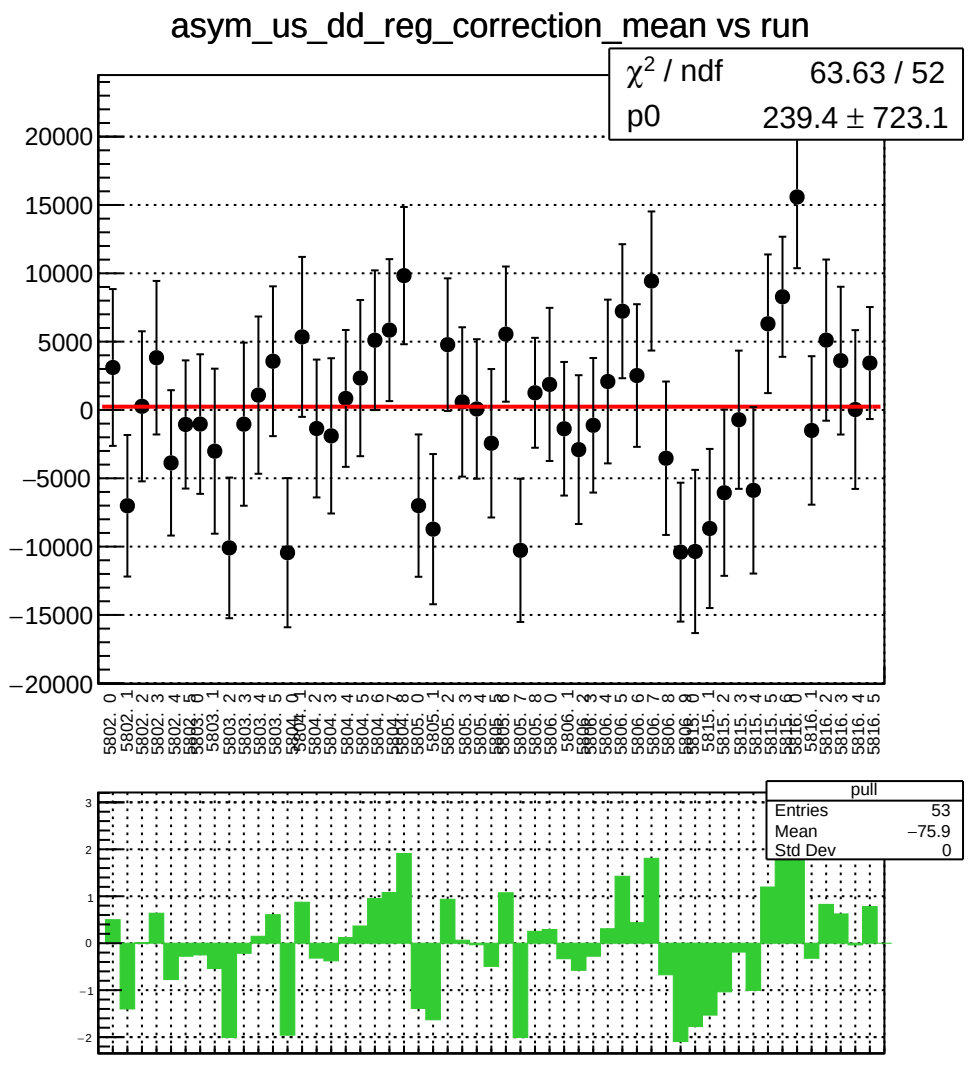

pull1D
Entries 53
Mean −0.01027
Std Dev 0.8761

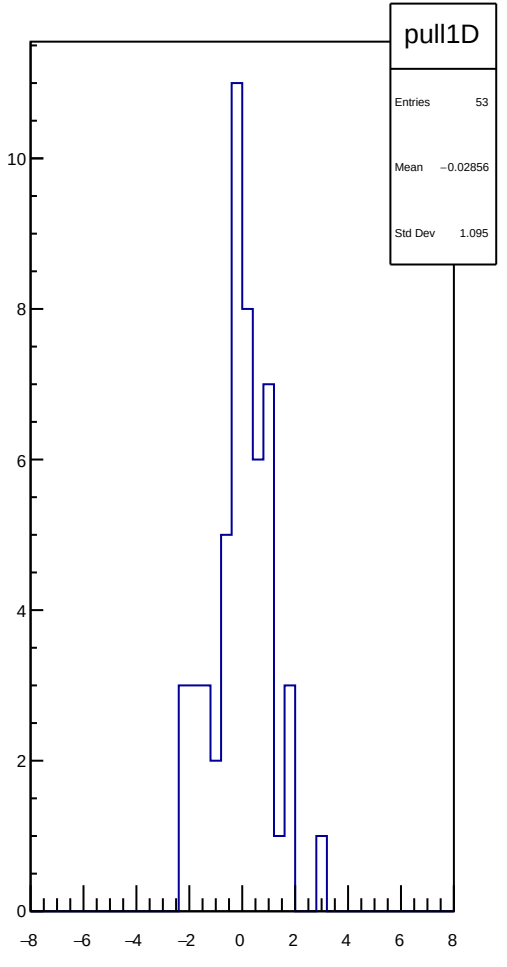

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.606e+04 / 52
p0 62.43 ± 0.06288
85
80
75
70
65
60
55
50
45
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

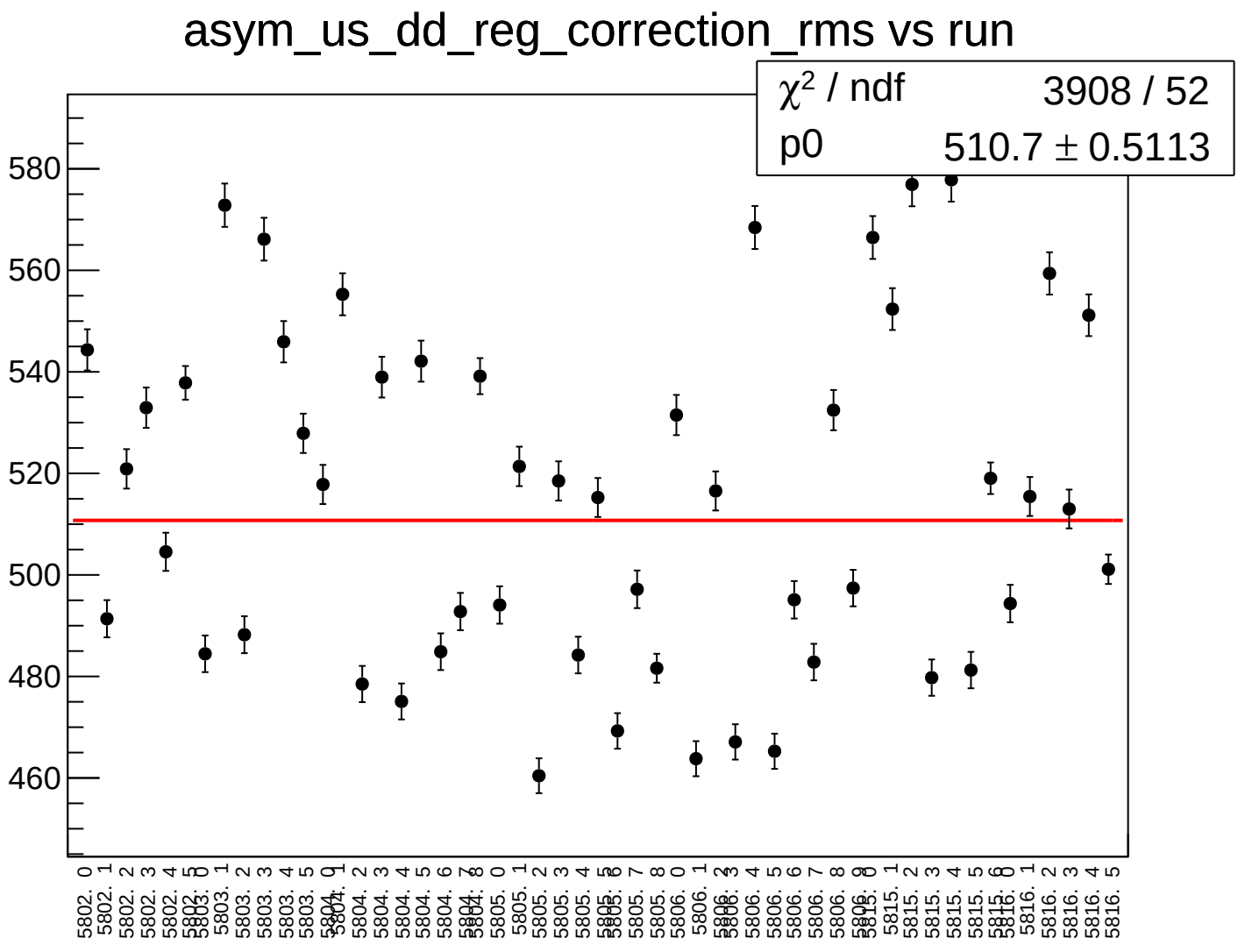

reg_asym_us_dd_mean vs run
χ² / ndf 46.03 / 52
p0 17.87 ± 1083
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −254
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

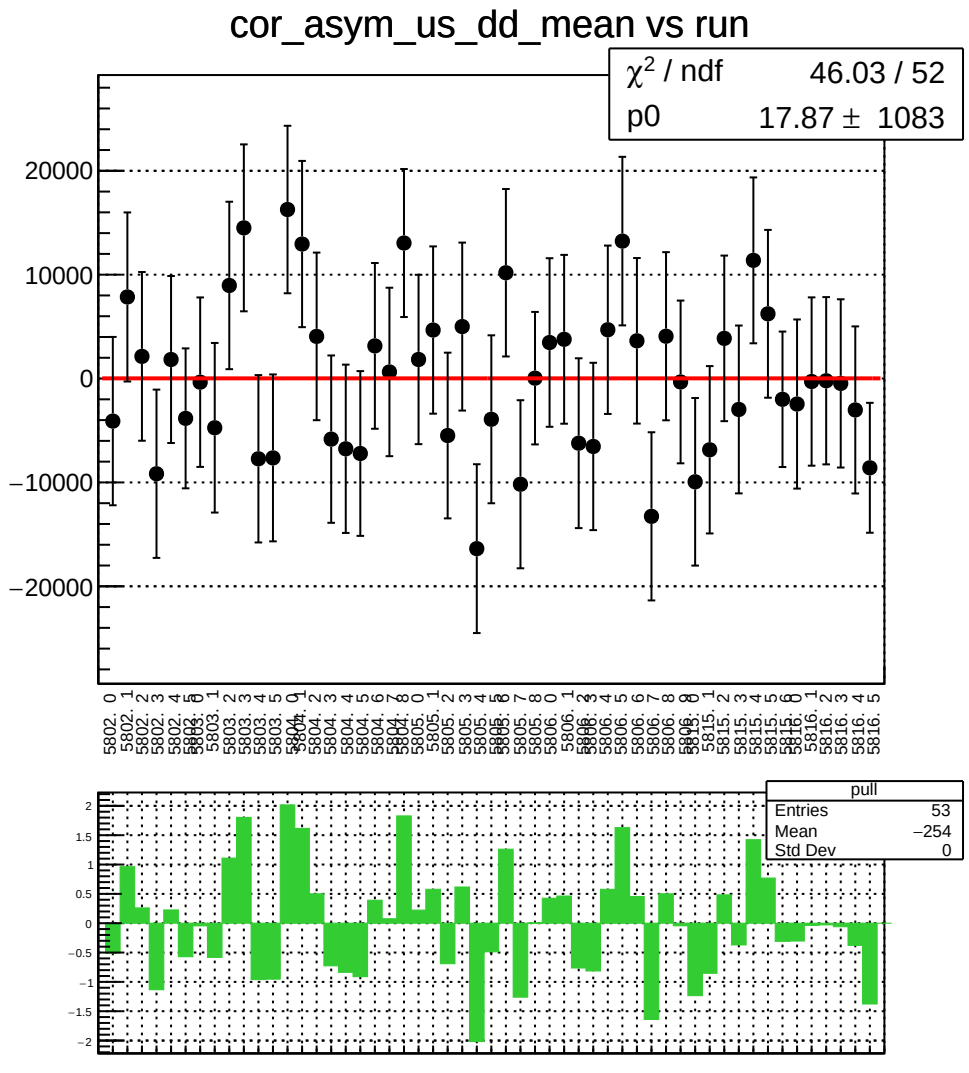

pull1D
Entries 53
Mean 0.005674
Std Dev 0.932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

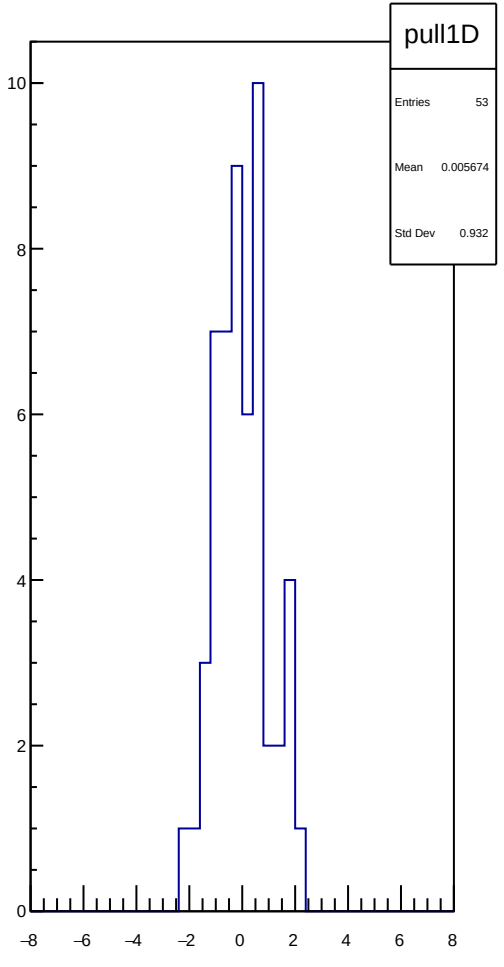

reg_asym_us_dd_rms vs run
χ² / ndf 43.15 / 52
p0 766.3 ± 0.7657
780
775
770
765
760
755
750
745

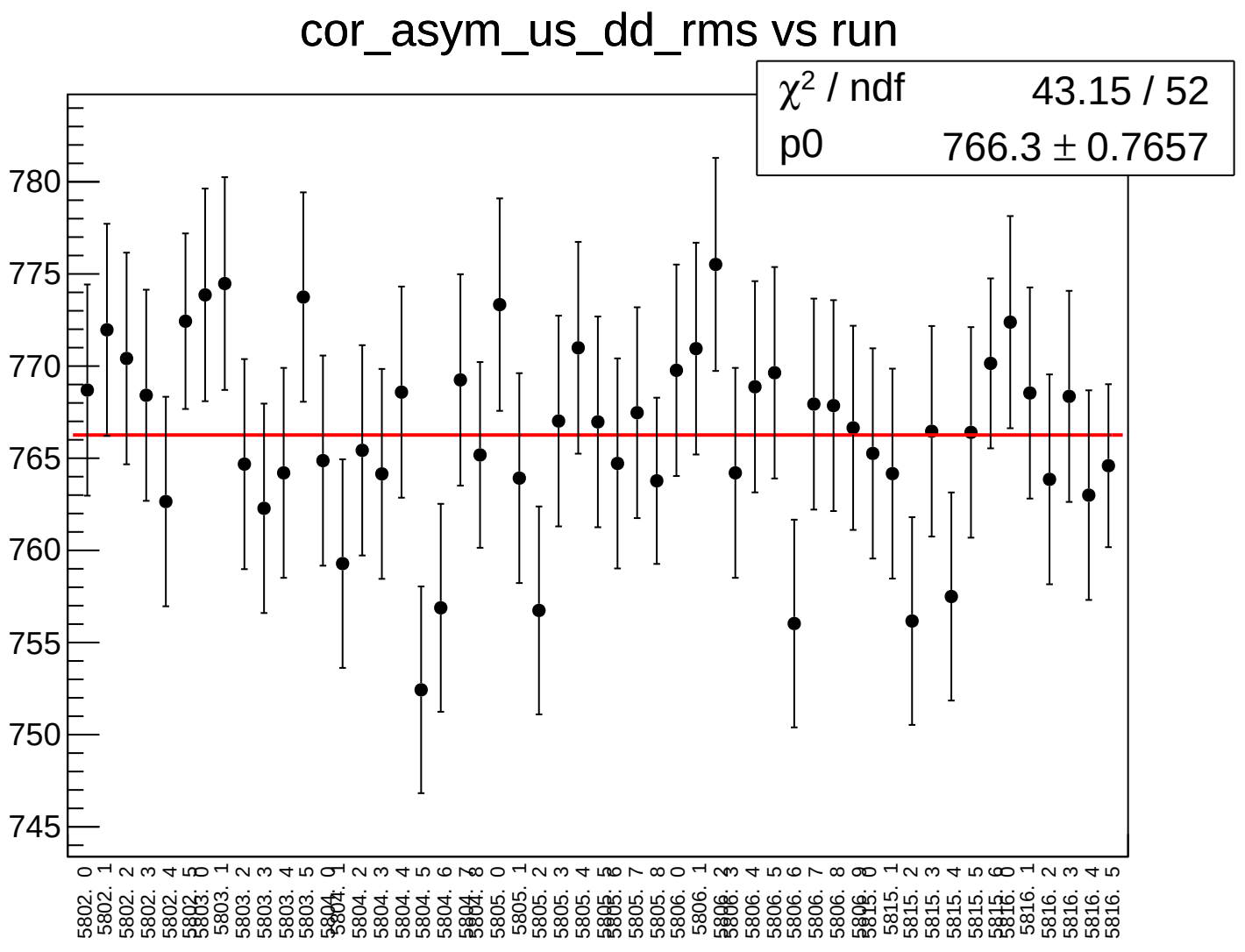

asym_us_dd_reg_correction_mean vs run
χ² / ndf 63.63 / 52
p0 239.4 ± 723.1
pull
Entries 53
Mean −75.9
Std Dev 0

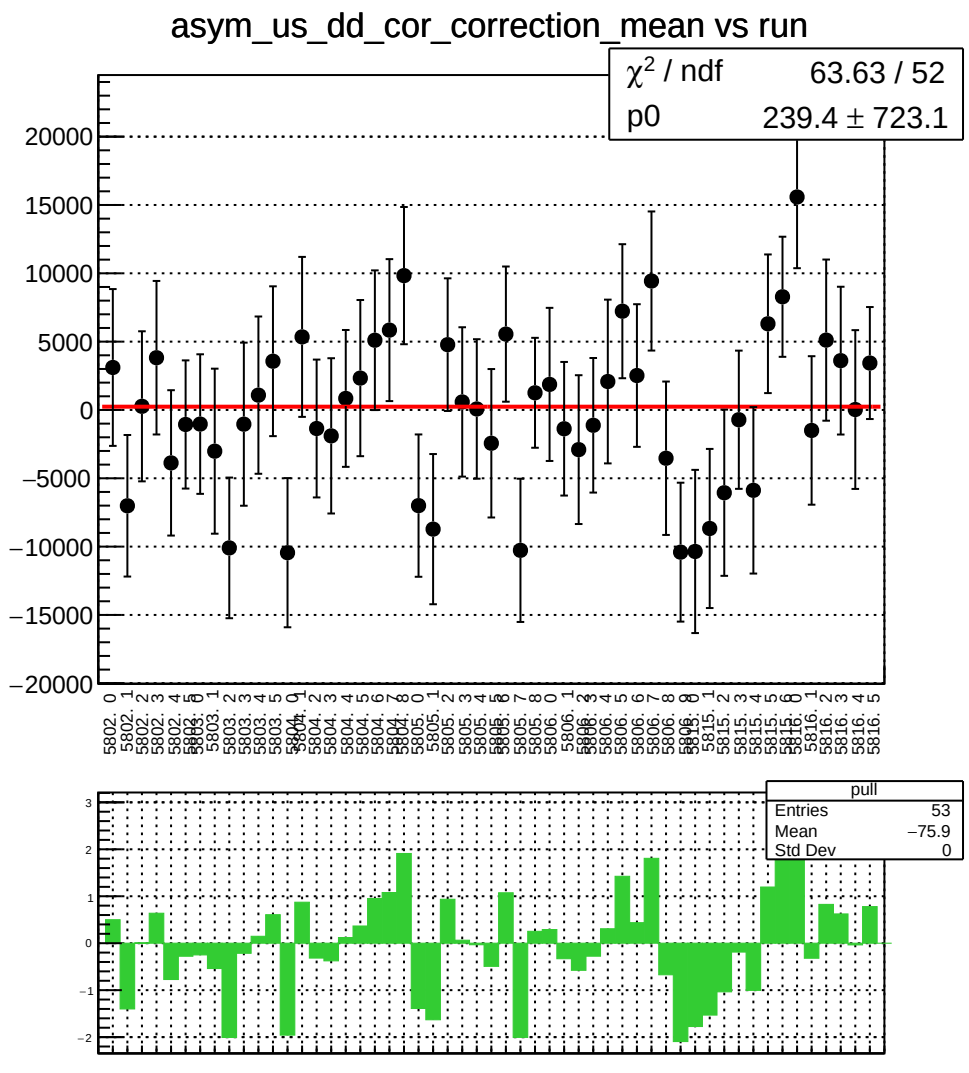

pull1D
Entries 53
Mean −0.02856
Std Dev 1.095

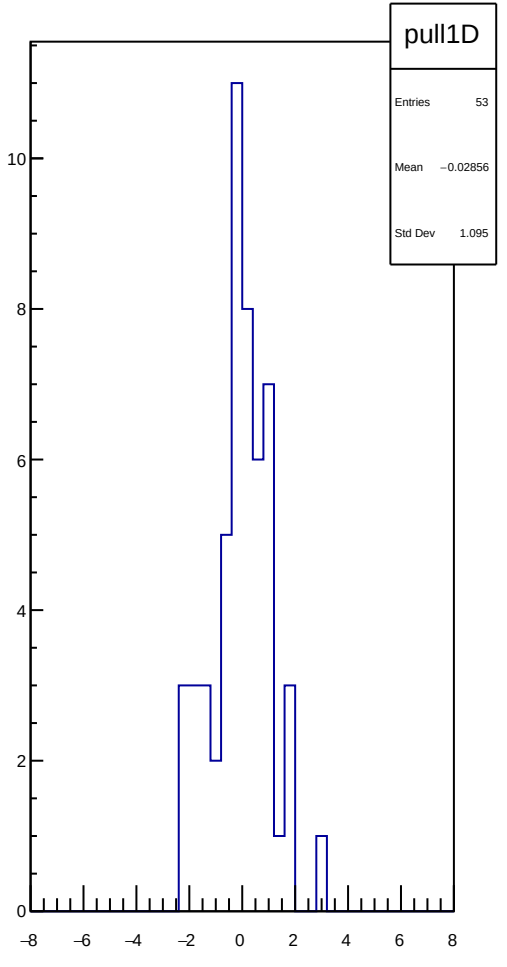

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3908 / 52
p0 510.7 ± 0.5113
580
560
540
520
500
480
460

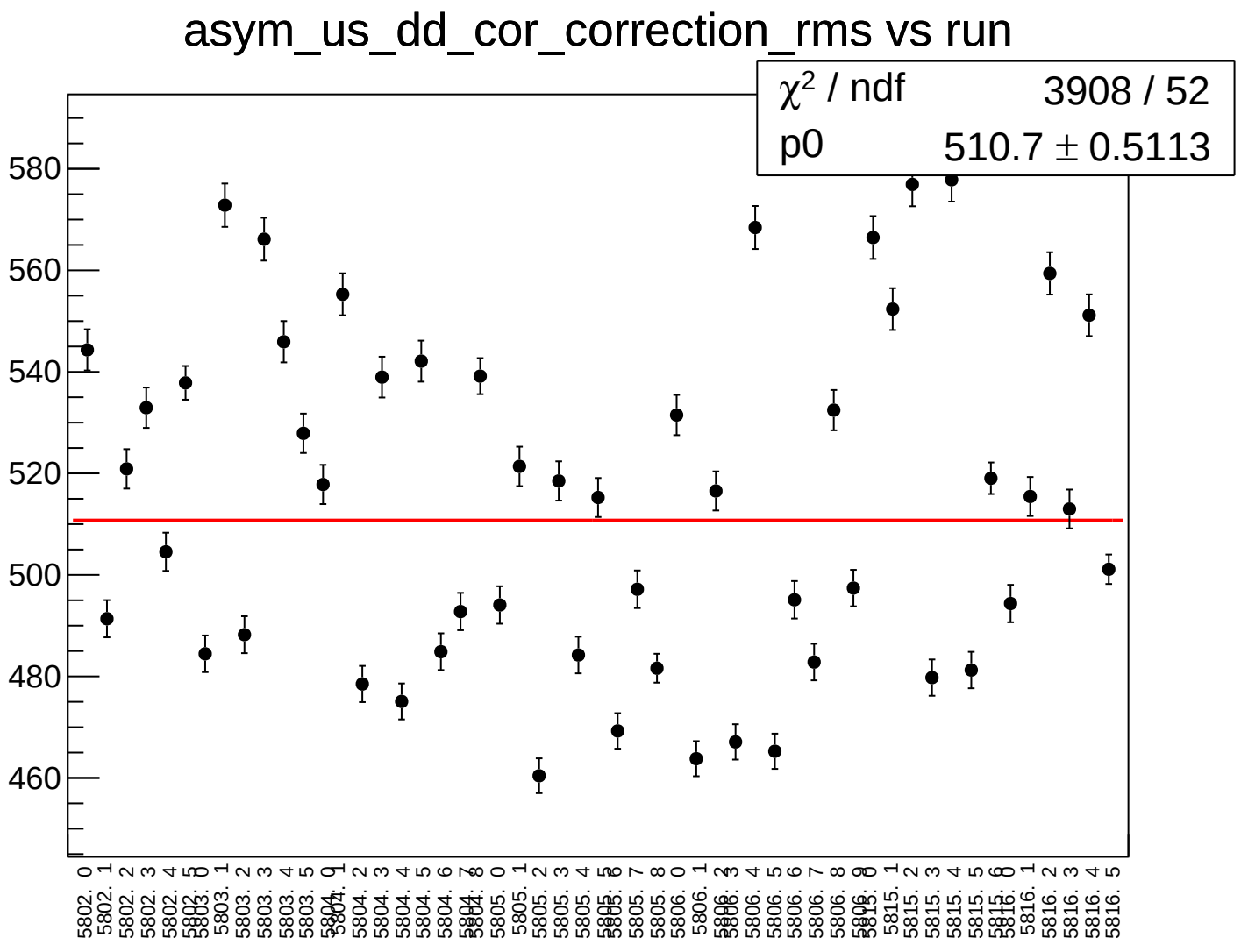

cor_asym_us_dd_mean vs run
χ² / ndf 46.03 / 52
p0 17.87 ± 1083
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −254
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

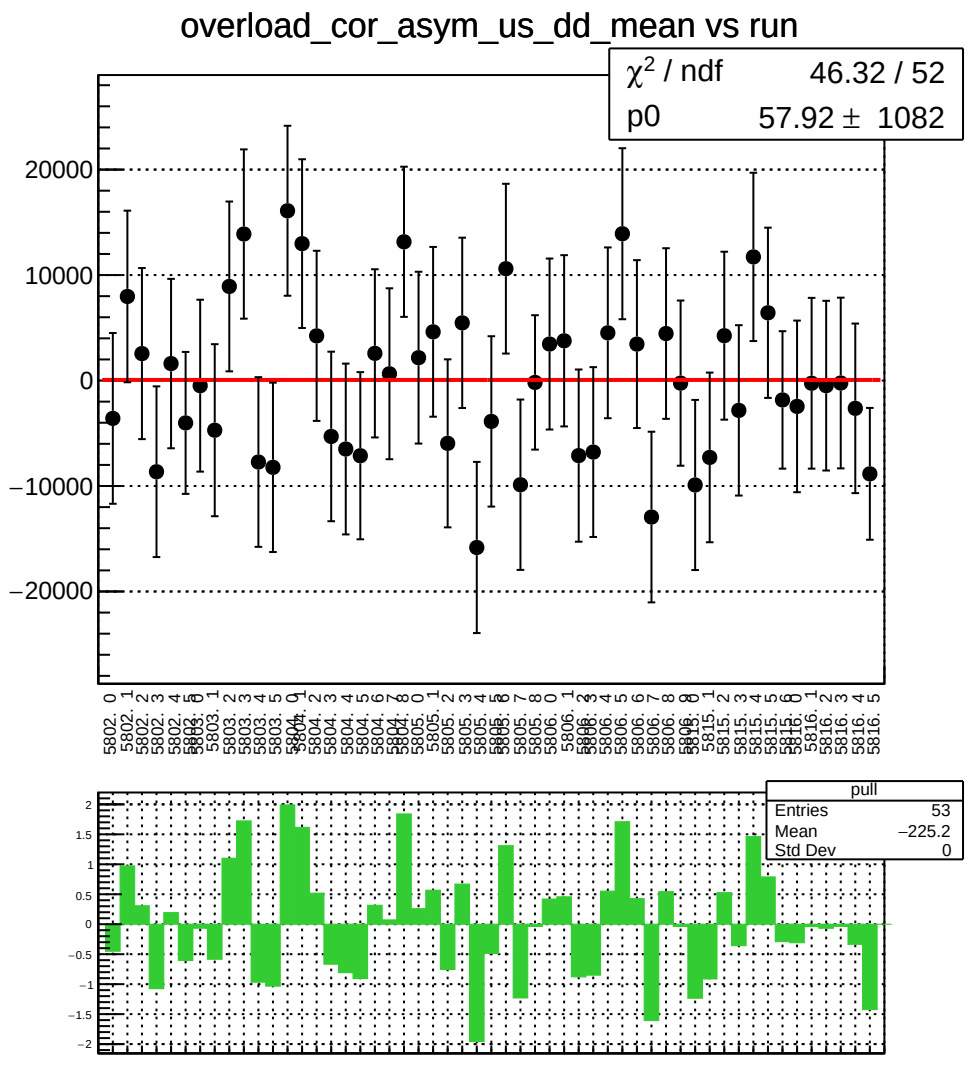

pull1D
Entries 53
Mean 0.005674
Std Dev 0.932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

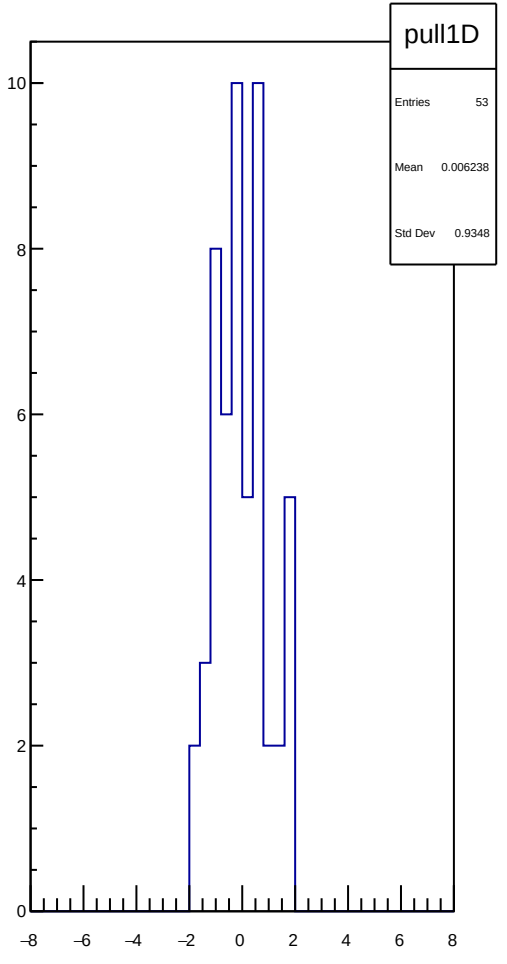

cor_asym_us_dd_rms vs run
χ² / ndf 43.15 / 52
p0 766.3 ± 0.7657
780
775
770
765
760
755
750
745

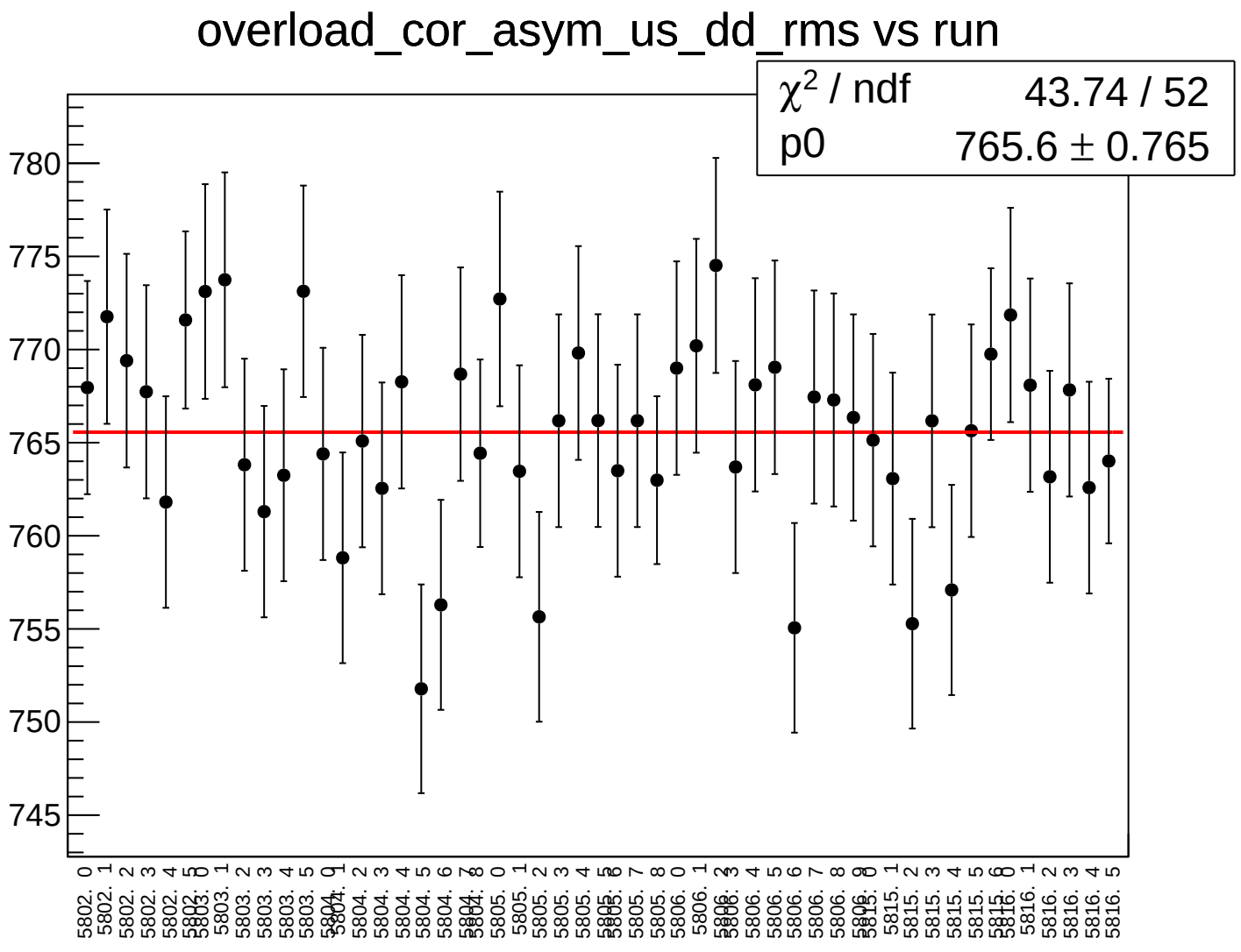

asym_us_dd_cor_correction_mean vs run
χ² / ndf 63.63 / 52
p0 239.4 ± 723.1
pull
Entries 53
Mean −75.9
Std Dev 0


pull1D
Entries 53
Mean −0.02856
Std Dev 1.095

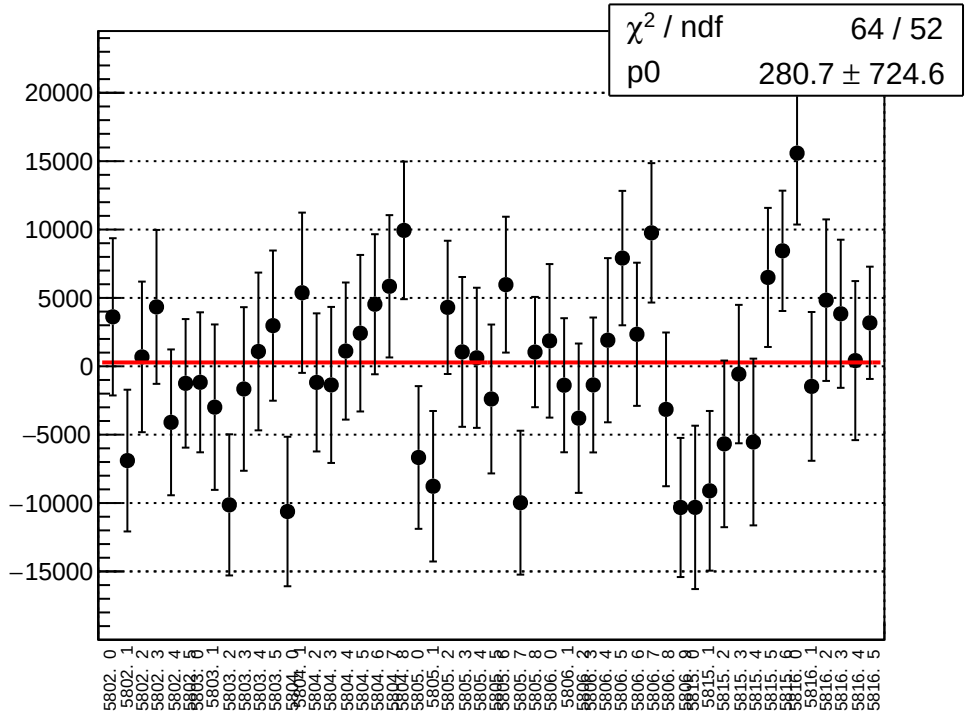

asym_us_dd_cor_correction_rms vs run
χ² / ndf 3908 / 52
p0 510.7 ± 0.5113
580
560
540
520
500
480
460

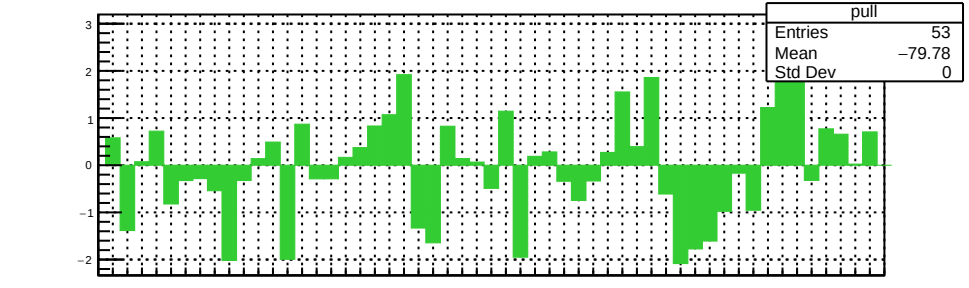

overload_cor_asym_us_dd_mean vs run
χ² / ndf 46.32 / 52
p0 57.92 ± 1082
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −225.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

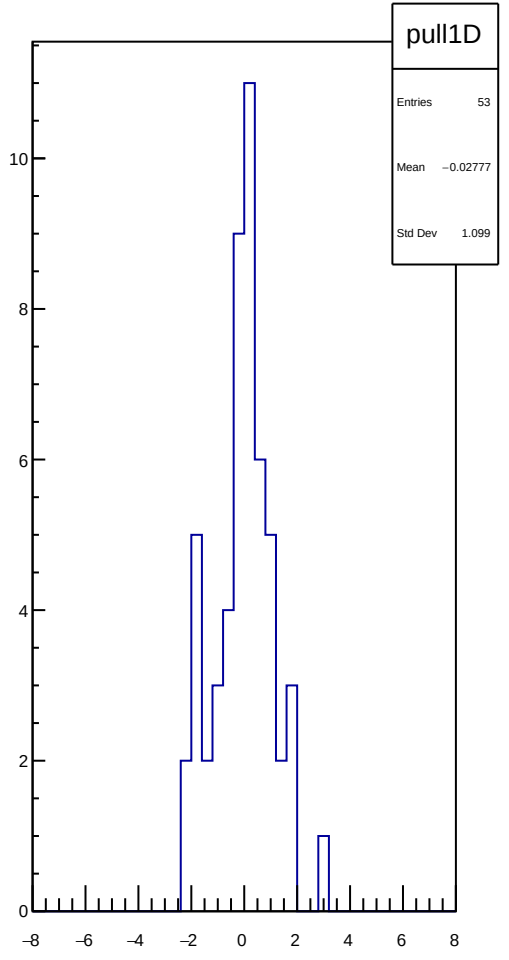

pull1D
Entries 53
Mean 0.006238
Std Dev 0.9348
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

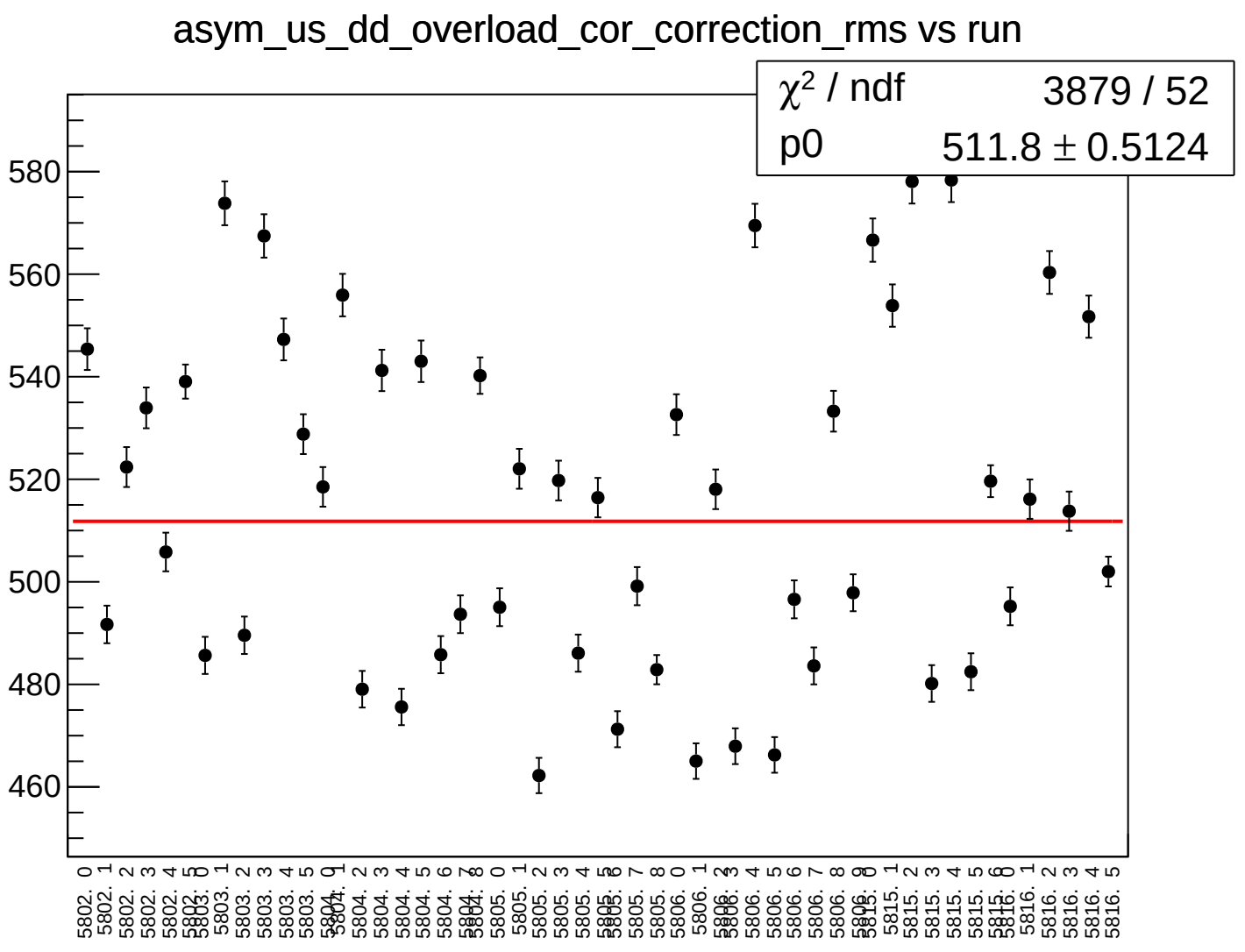

overload_cor_asym_us_dd_rms vs run
χ² / ndf 43.74 / 52
p0 765.6 ± 0.765
780
775
770
765
760
755
750
745

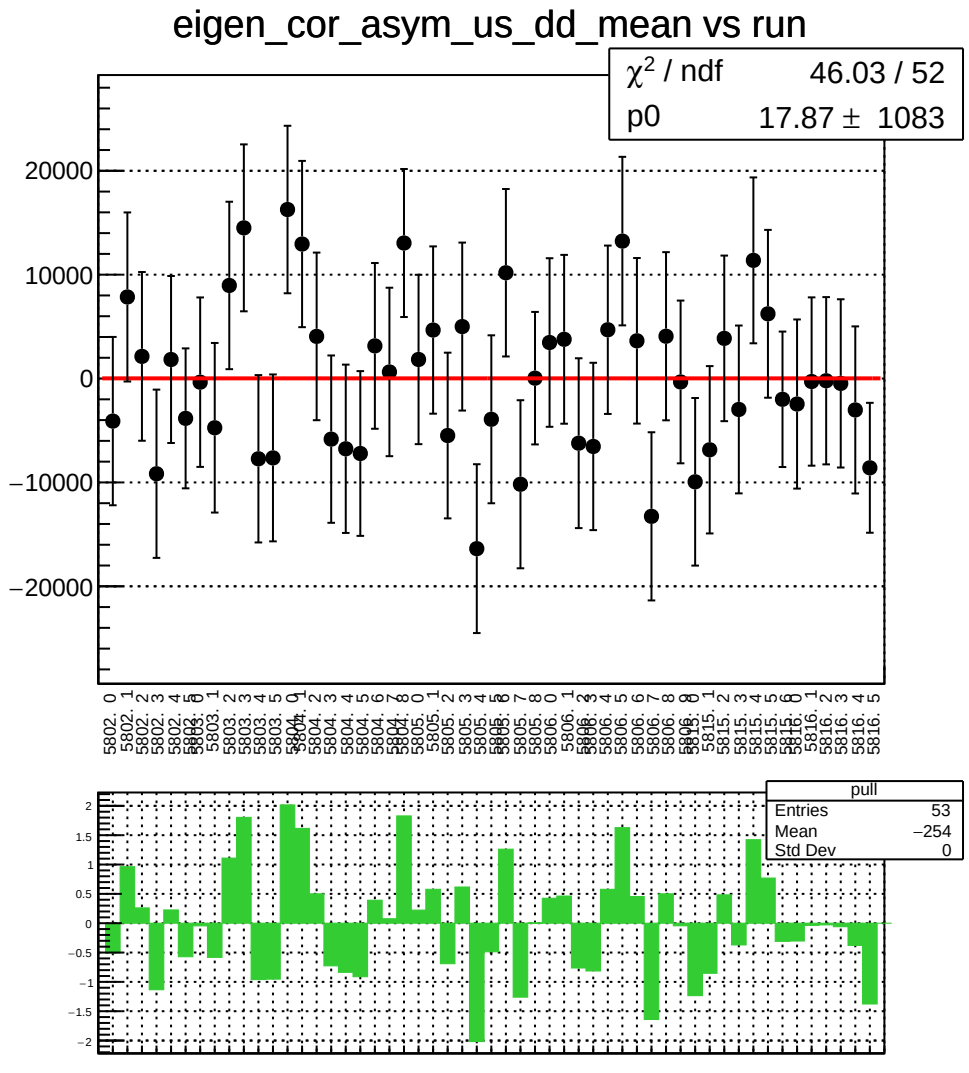
asym_us_dd_overload_cor_correction_mean vs run

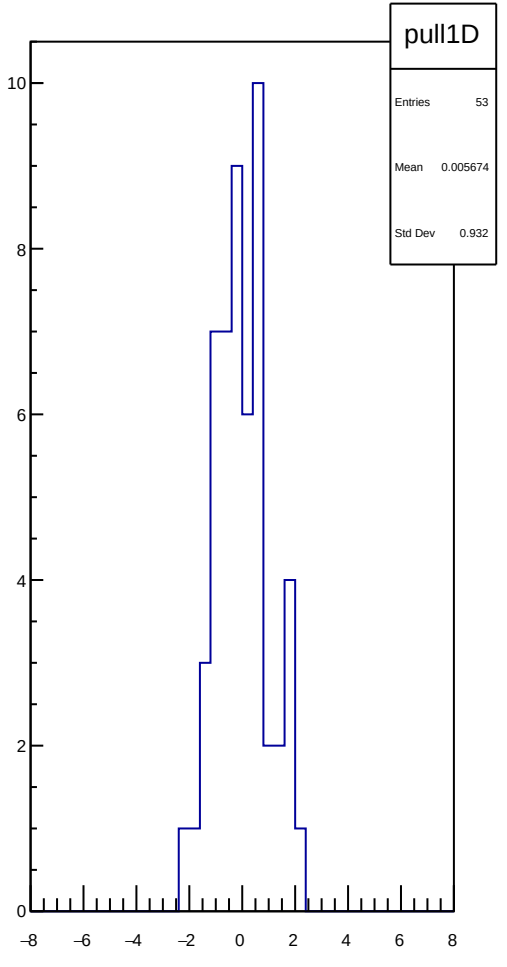


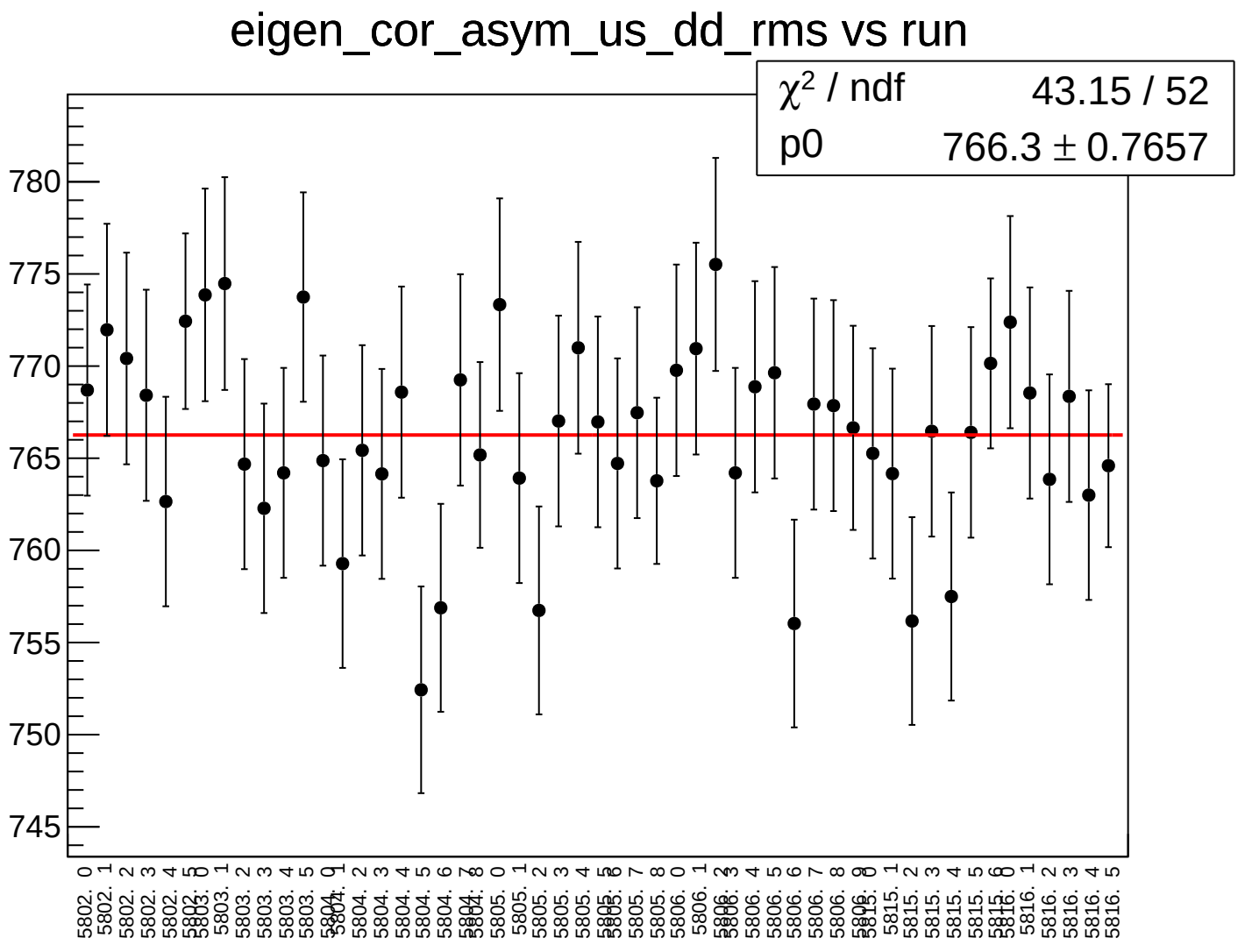


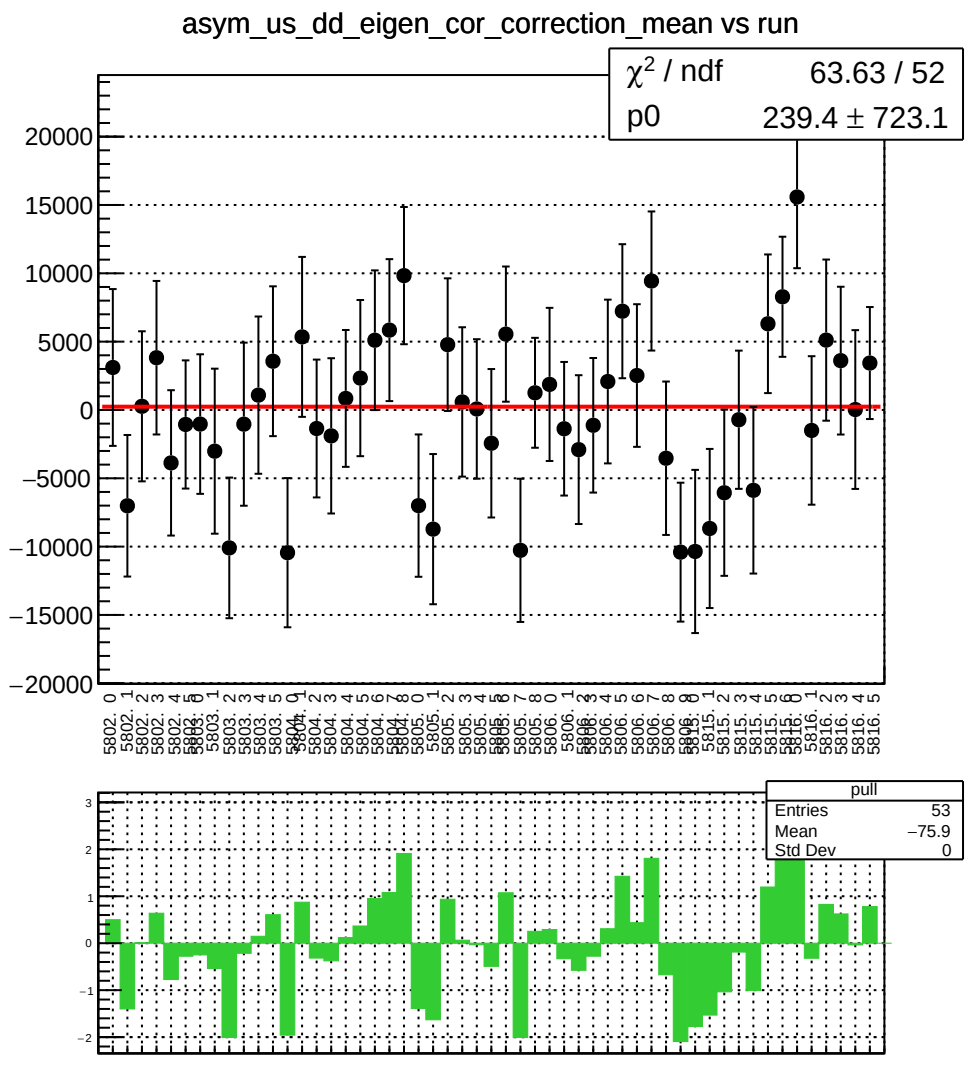


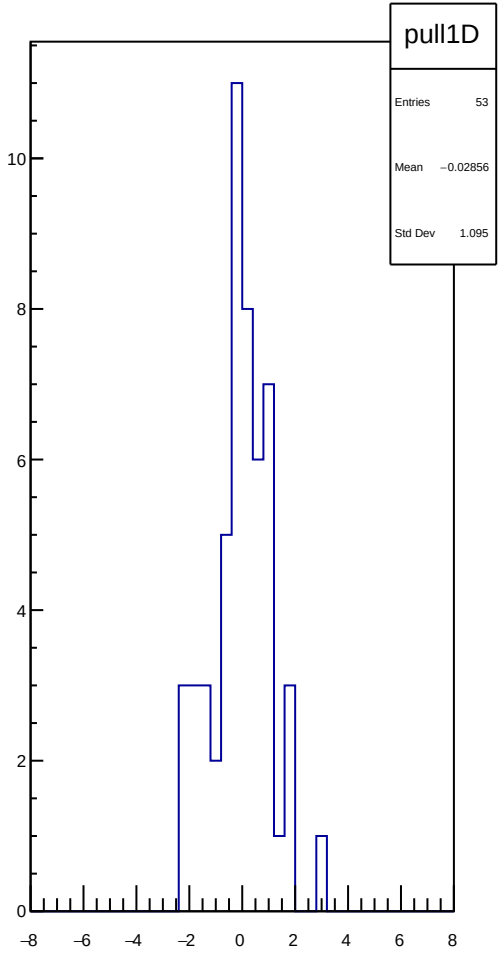

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3879 / 52
p0 511.8 ± 0.5124
580
560
540
520
500
480
460

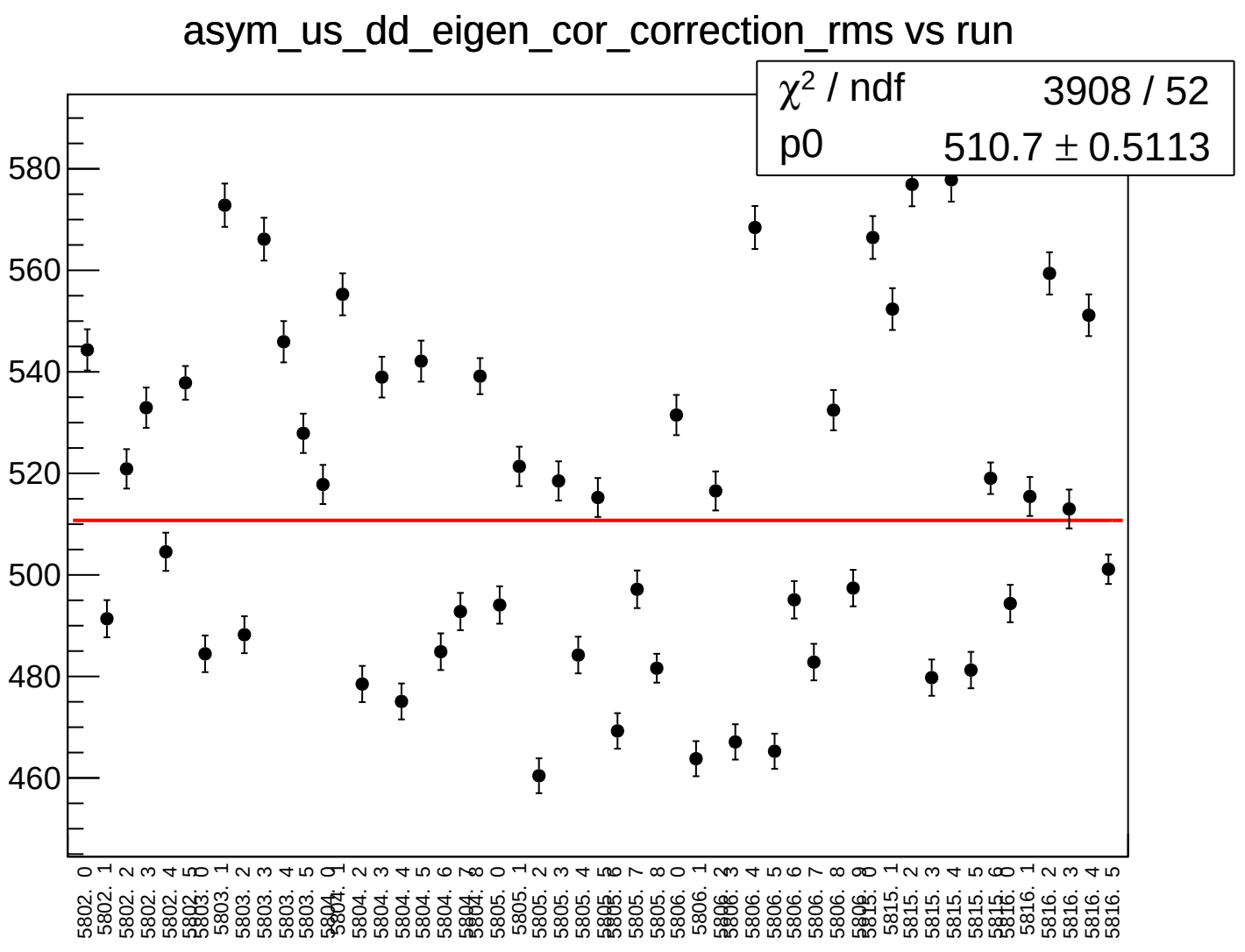

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 46.03 / 52
p0 17.87 ± 1083
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −254
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

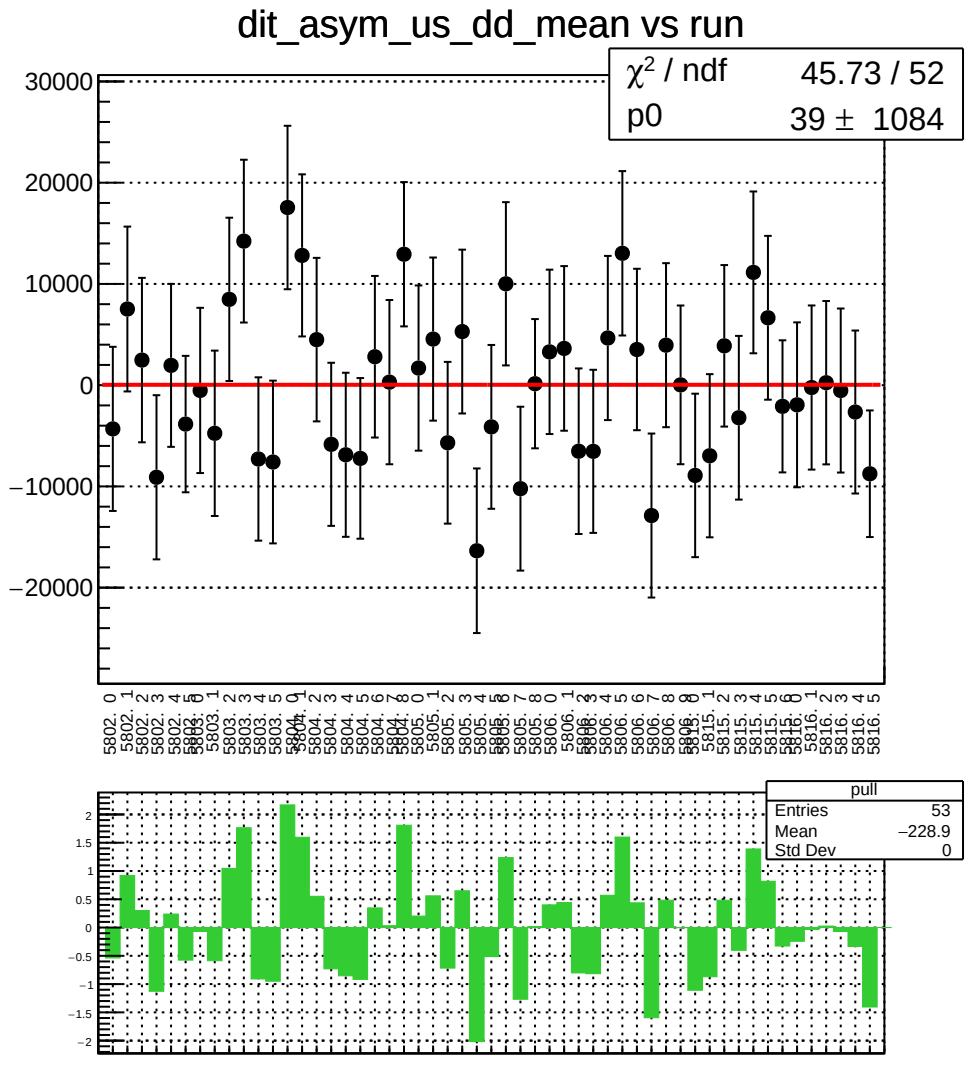

pull1D
Entries 53
Mean 0.005674
Std Dev 0.932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

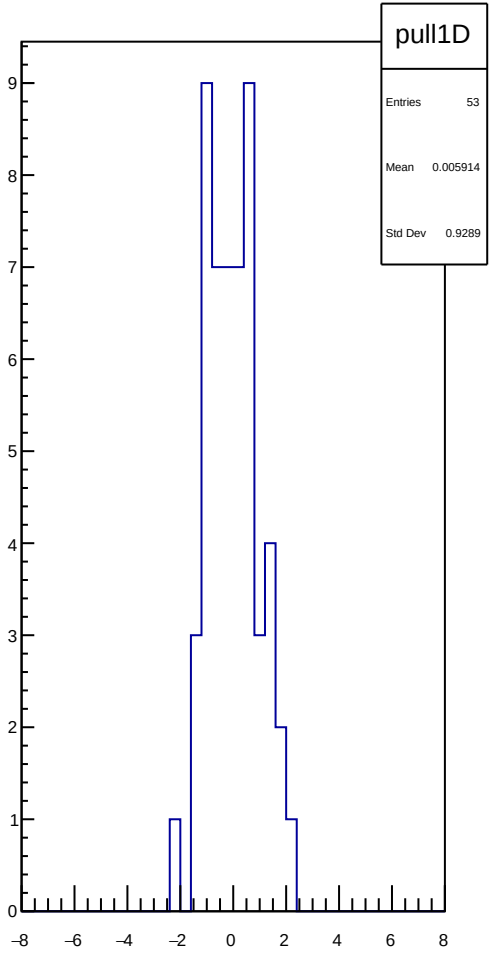

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 43.15 / 52
p0 766.3 ± 0.7657
780
775
770
765
760
755
750
745

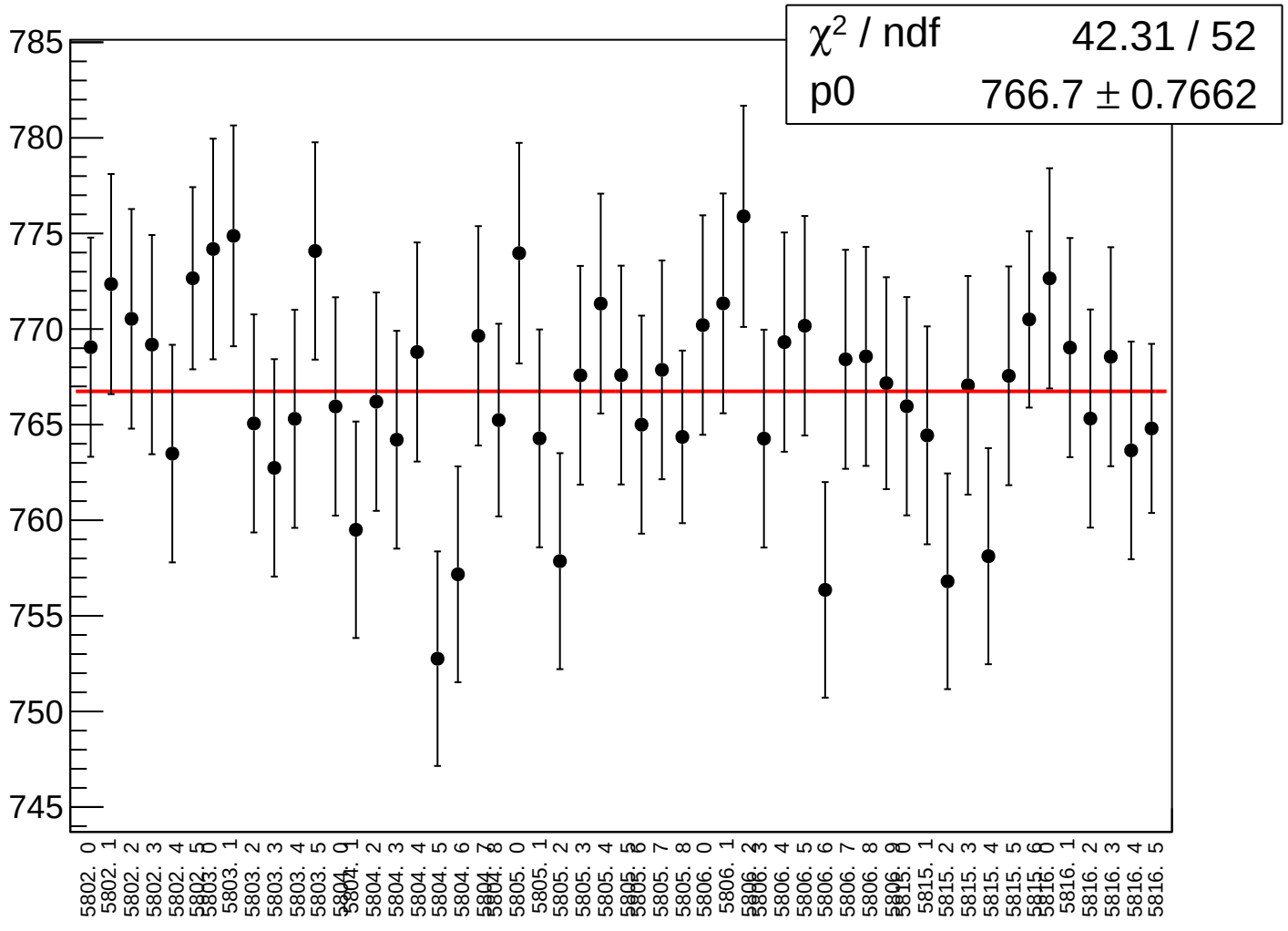

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 63.63 / 52
p0 239.4 ± 723.1
pull
Entries 53
Mean −75.9
Std Dev 0

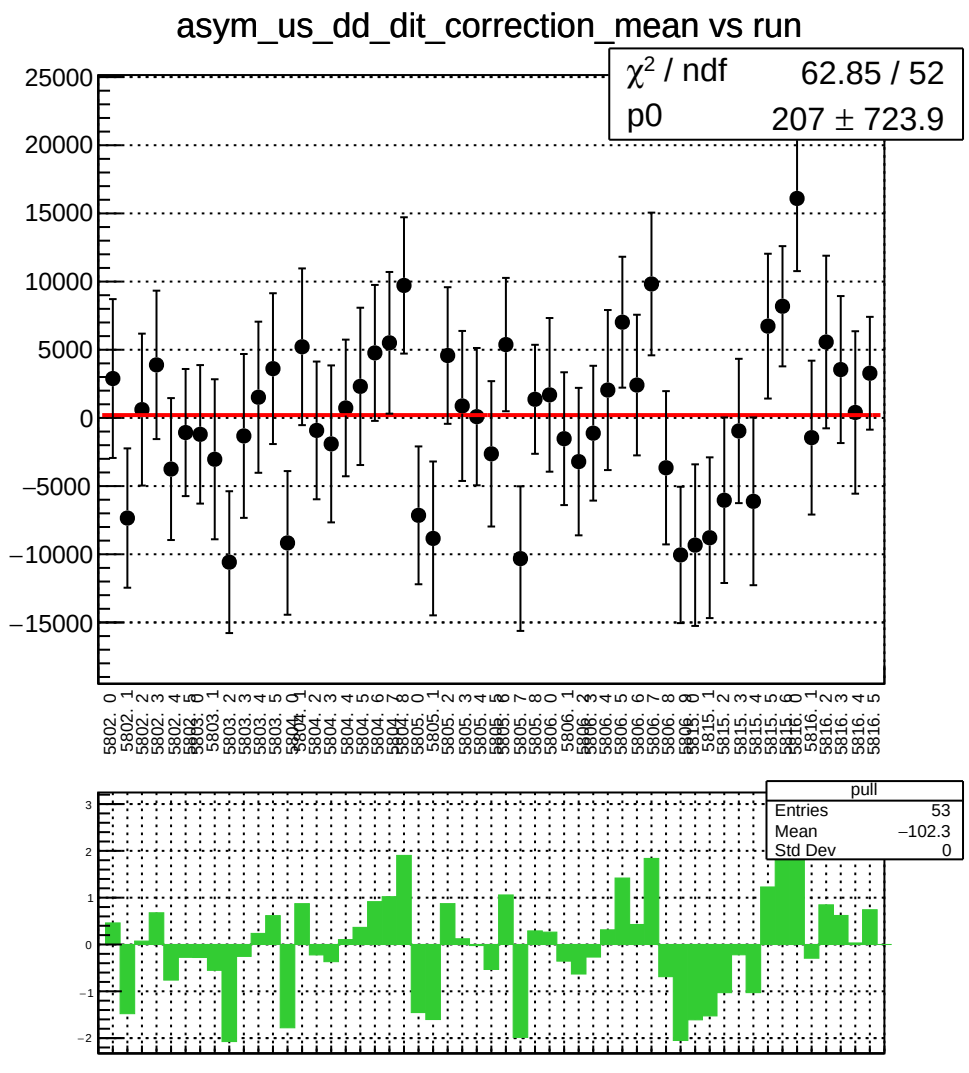

pull1D
Entries 53
Mean −0.02856
Std Dev 1.095

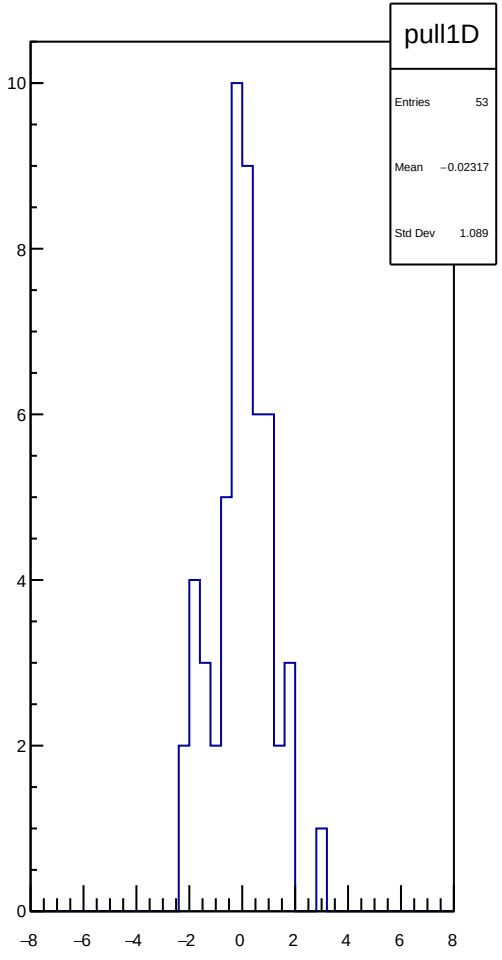

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3908 / 52
p0 510.7 ± 0.5113
580
560
540
520
500
480
460

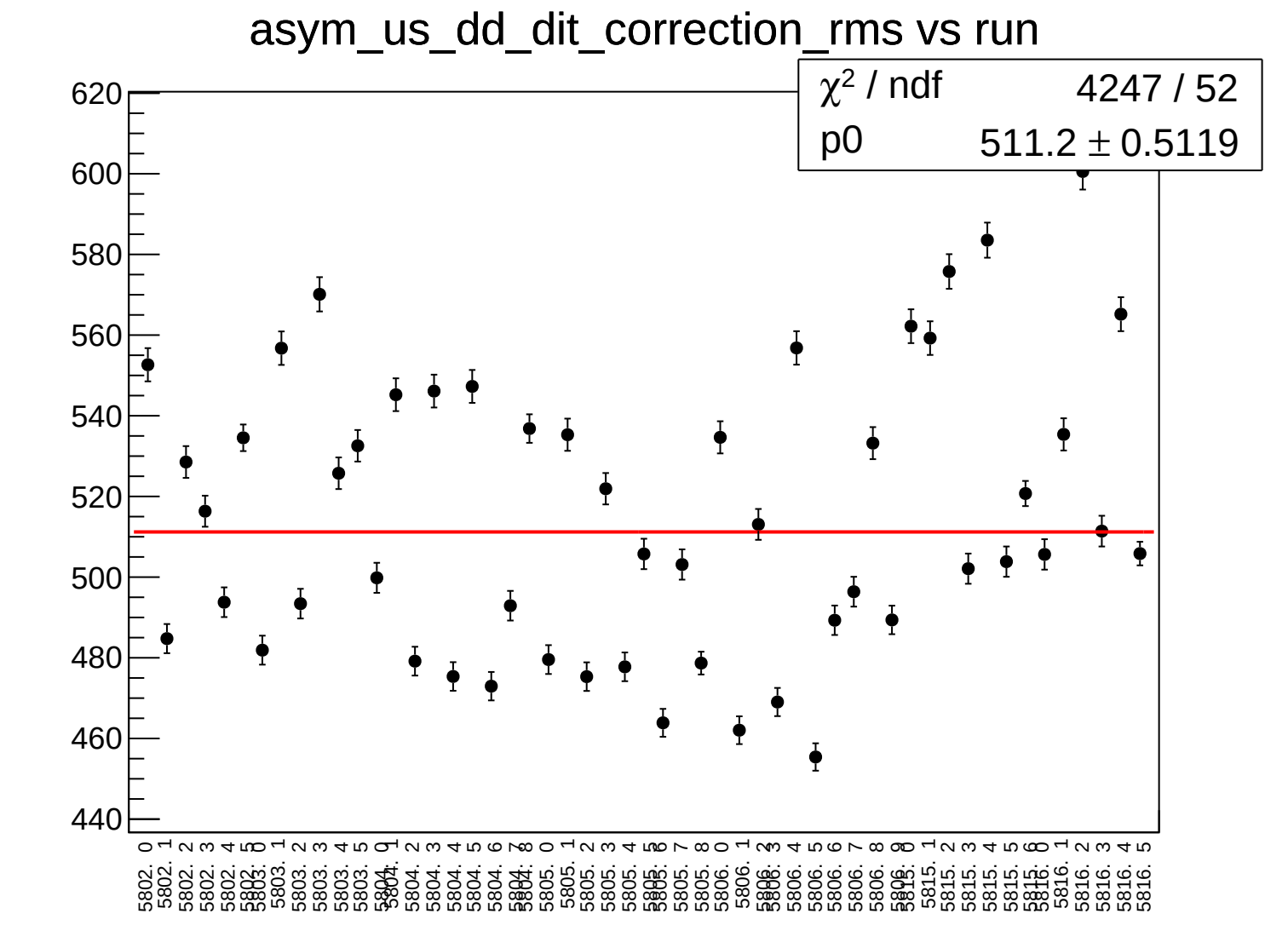

dit_asym_us_dd_mean vs run
χ² / ndf 45.73 / 52
p0 39 ± 1084
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −228.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

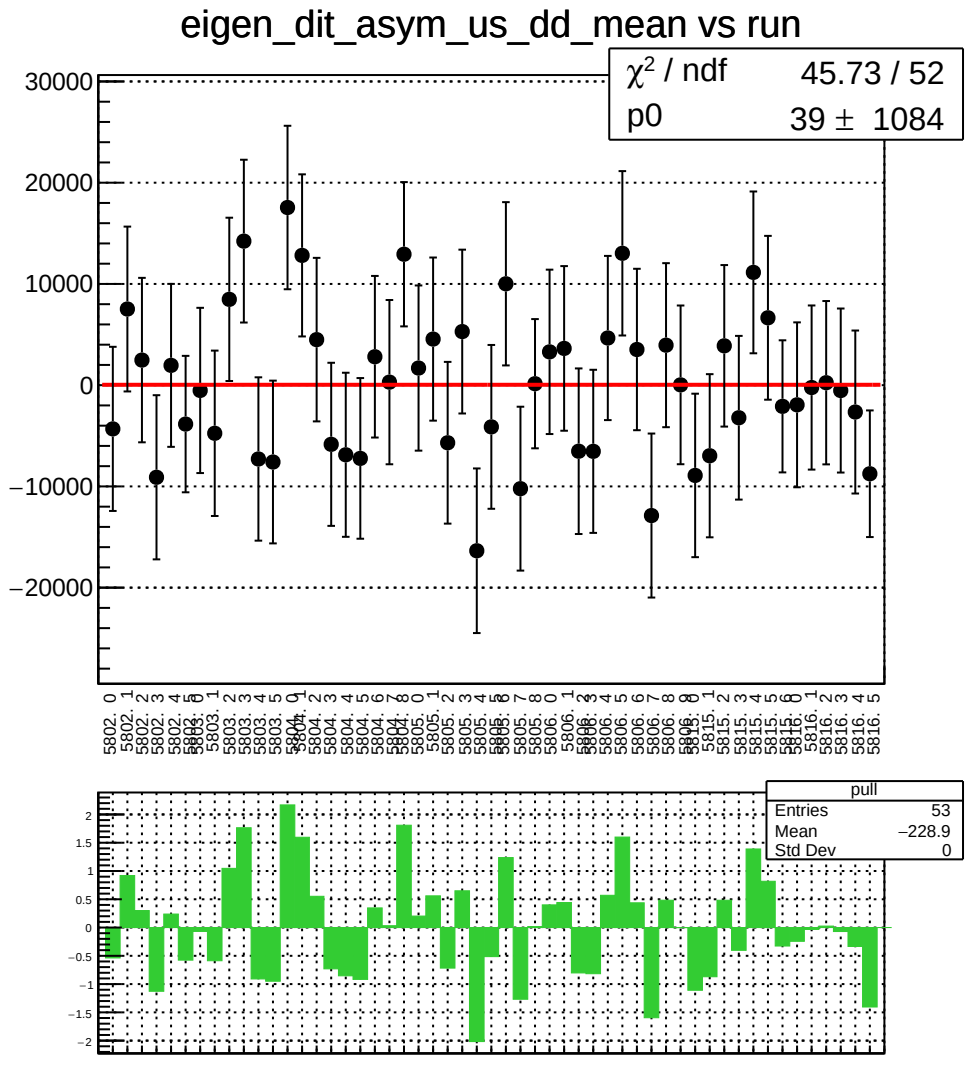

pull1D
Entries 53
Mean 0.005914
Std Dev 0.9289
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

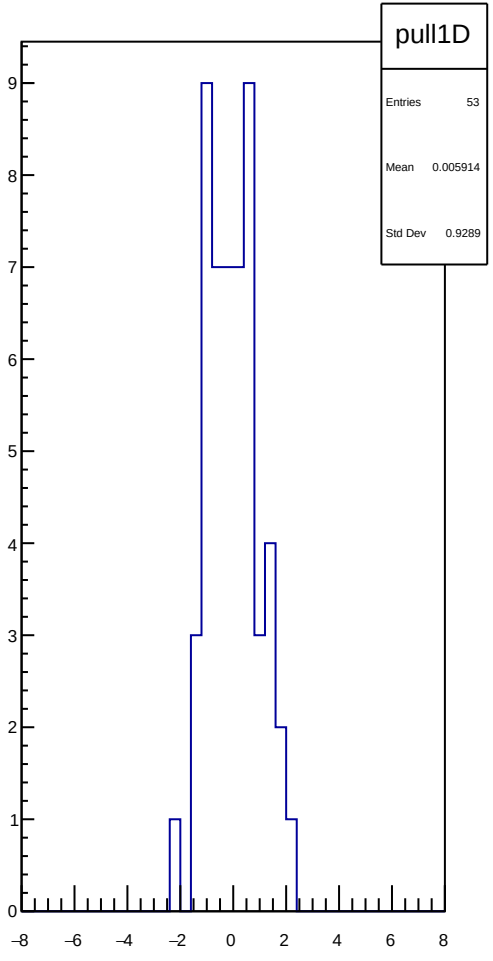

dit_asym_us_dd_rms vs run
χ² / ndf 42.31 / 52
p0 766.7 ± 0.7662
785
780
775
770
765
760
755
750
745

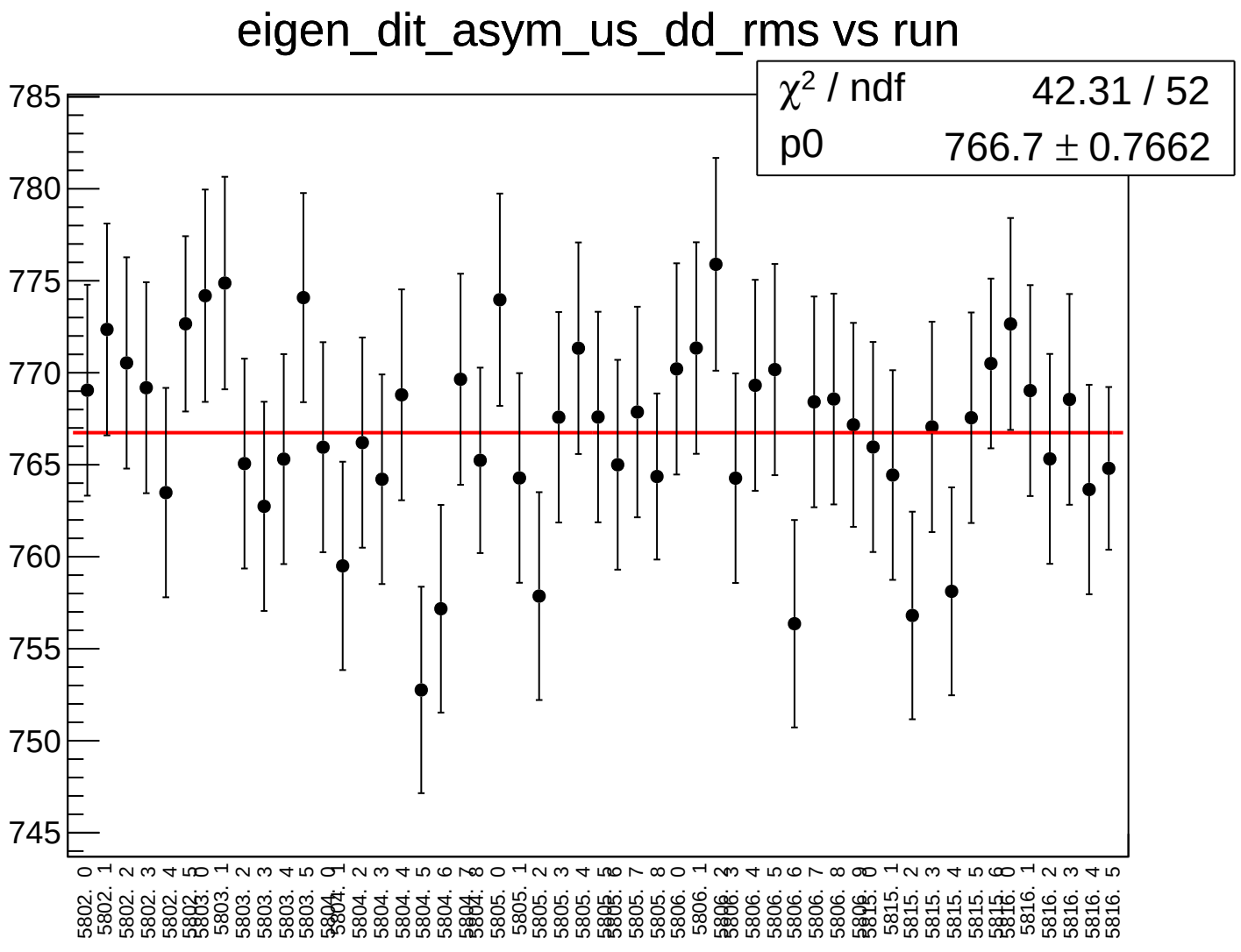

asym_us_dd_dit_correction_mean vs run
χ² / ndf 62.85 / 52
p0 207 ± 723.9
pull
Entries 53
Mean −102.3
Std Dev 0

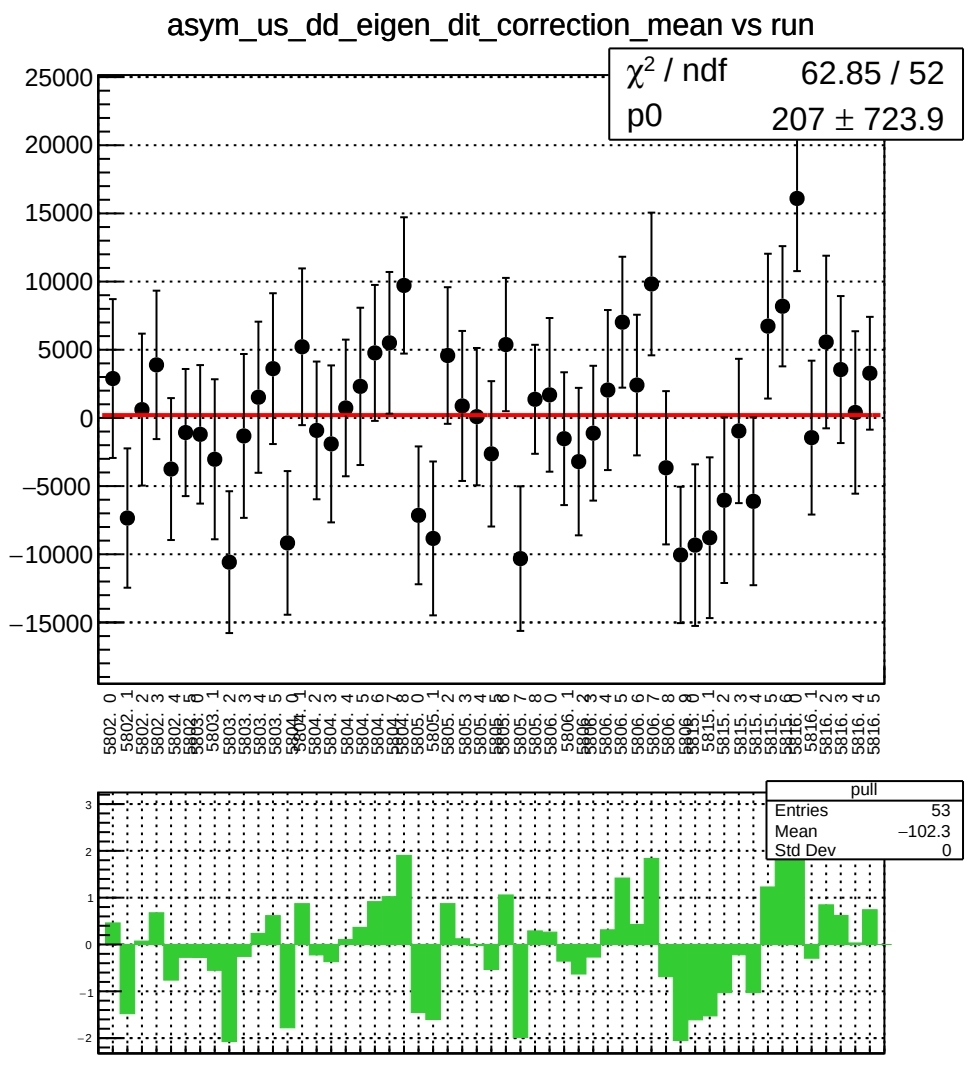

pull1D
Entries 53
Mean −0.02317
Std Dev 1.089

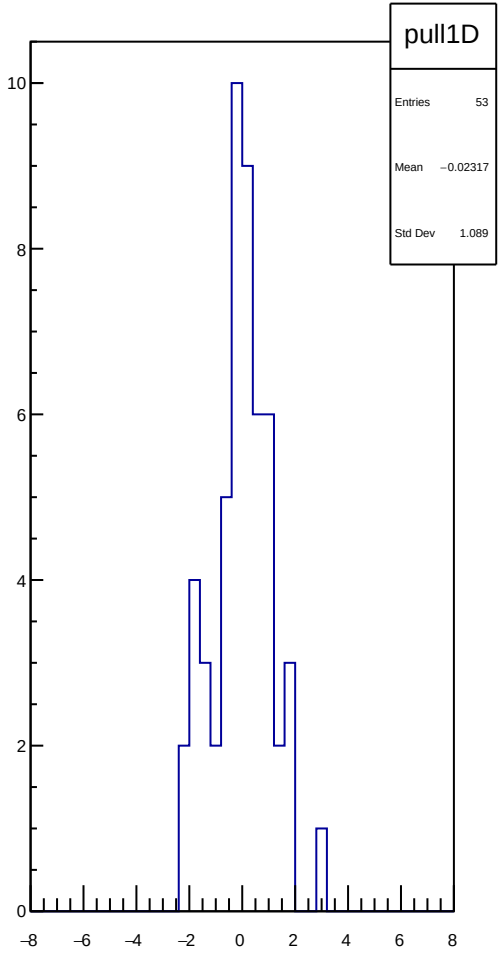

asym_us_dd_dit_correction_rms vs run
χ² / ndf 4247 / 52
p0 511.2 ± 0.5119
620
600
580
560
540
520
500
480
460
440

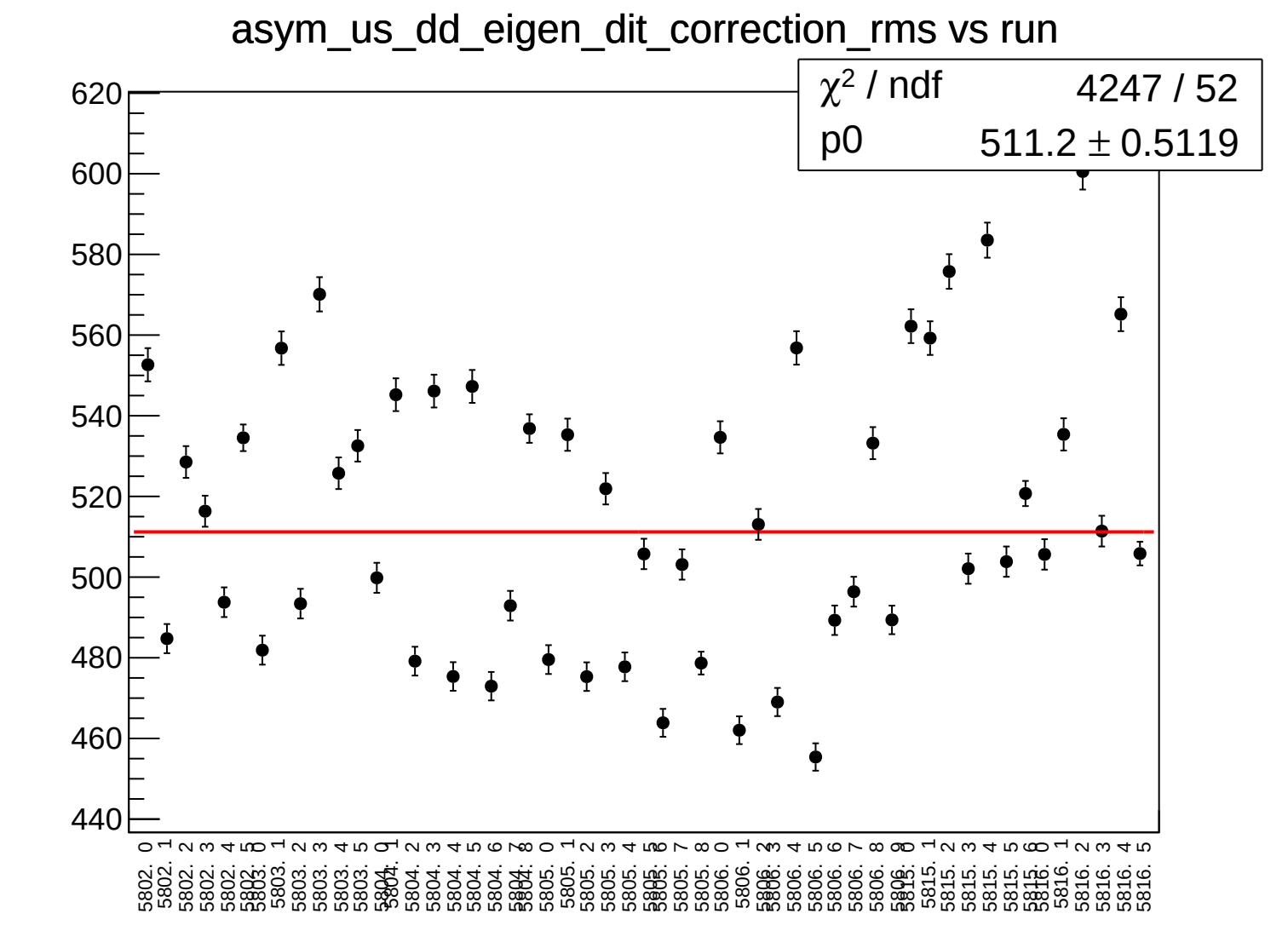

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 45.73 / 52
p0 39 ± 1084
pull
Entries 53
Mean −228.9
Std Dev 0

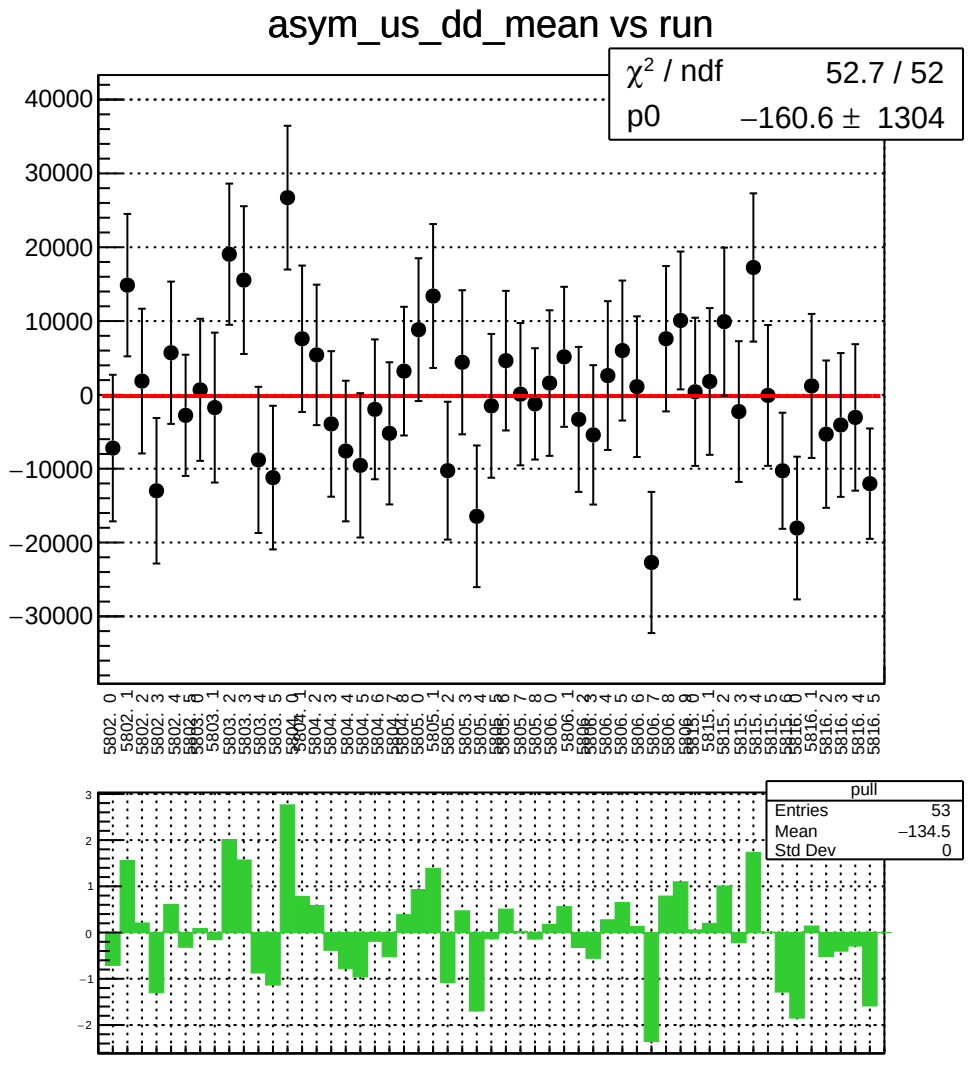

pull1D
Entries 53
Mean 0.005914
Std Dev 0.9289

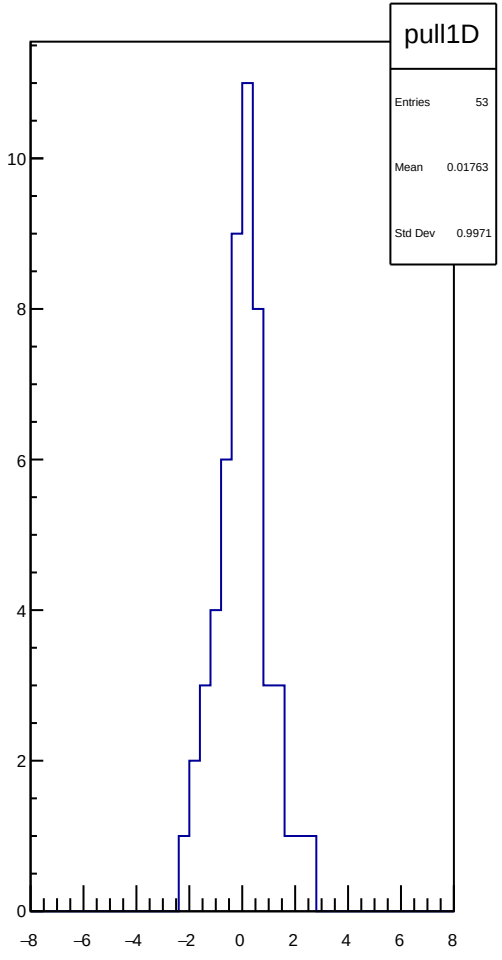

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 42.31 / 52
p0 766.7 ± 0.7662
785
780
775
770
765
760
755
750
745

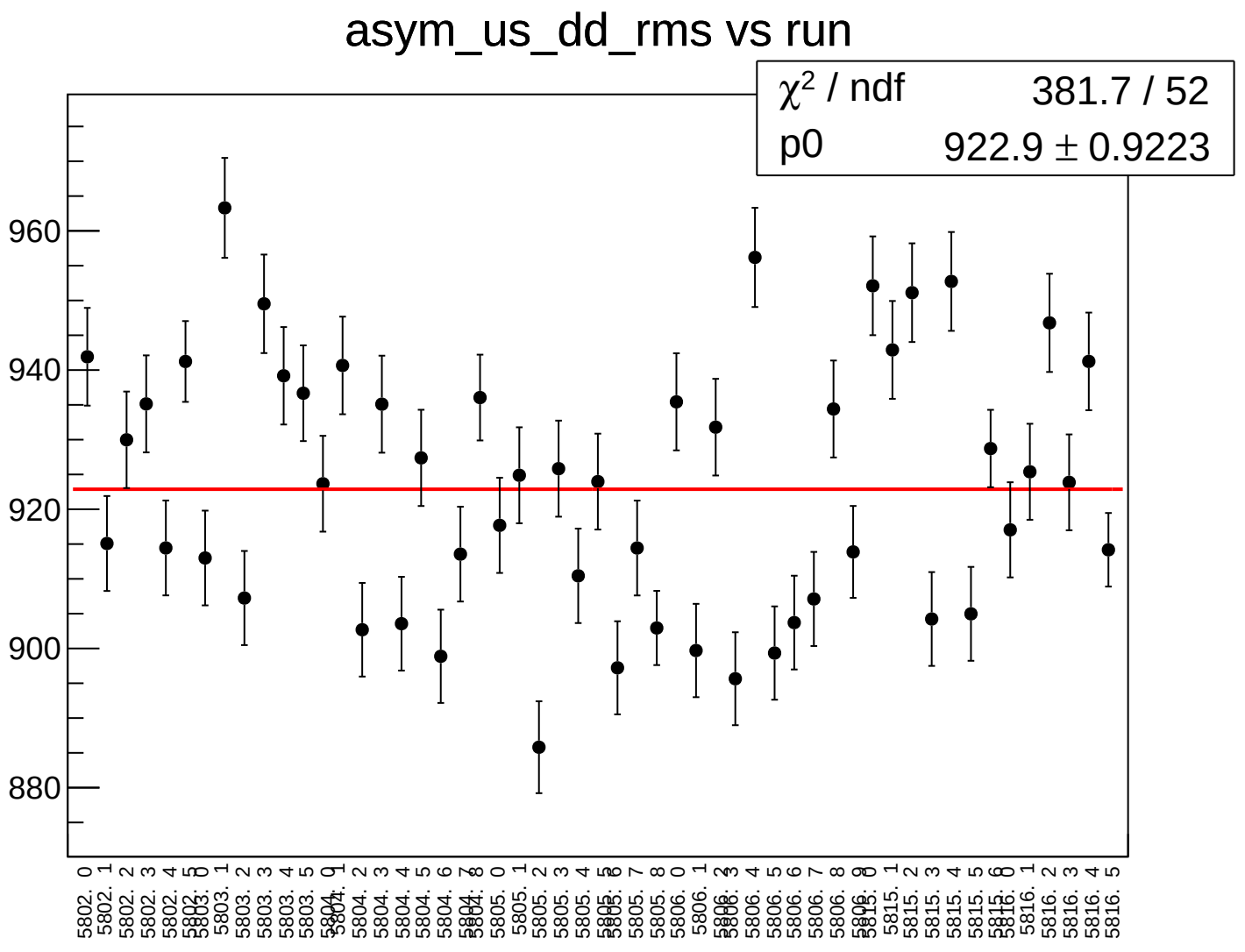

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.85 / 52
p0 207 ± 723.9
pull
Entries 53
Mean −102.3
Std Dev 0

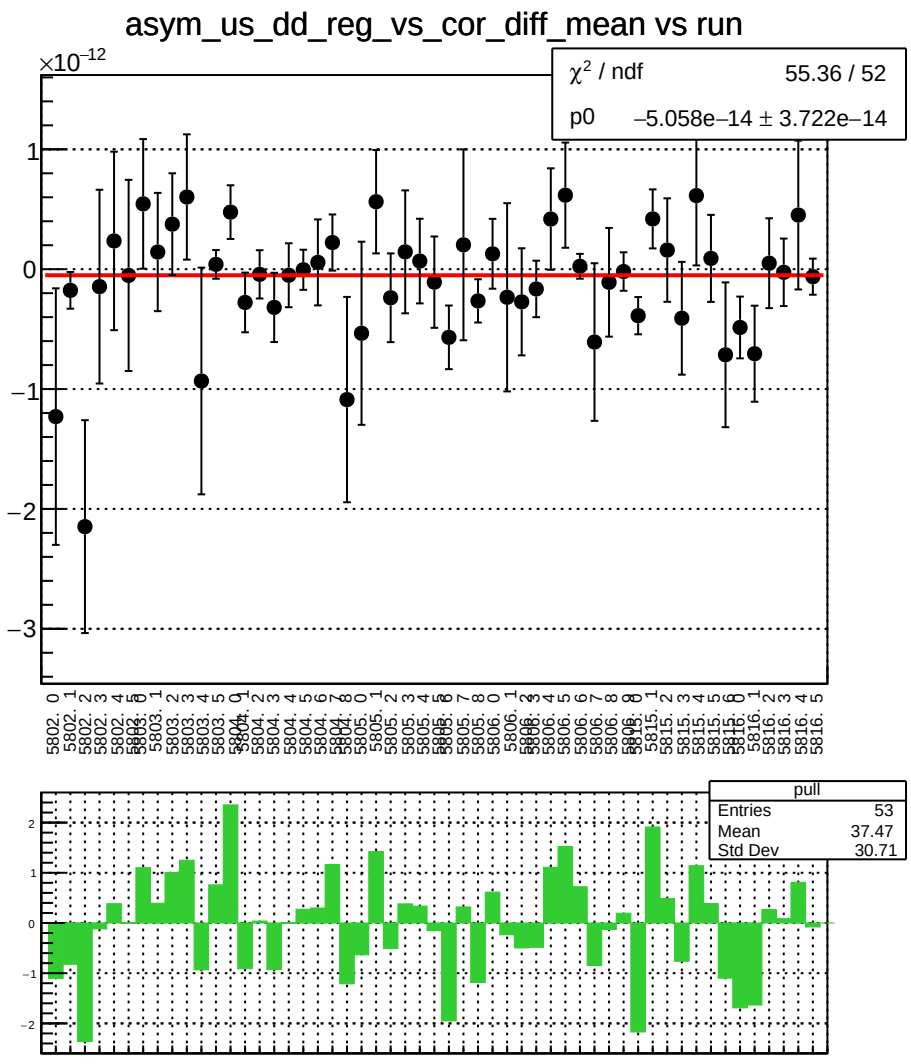

pull1D
Entries 53
Mean −0.02317
Std Dev 1.089

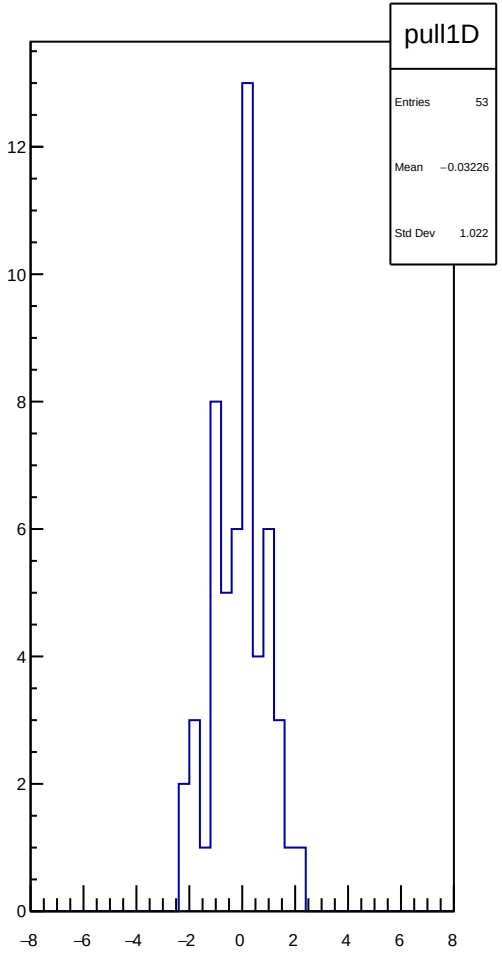

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4247 / 52
p0 511.2 ± 0.5119
620
600
580
560
540
520
500
480
460
440

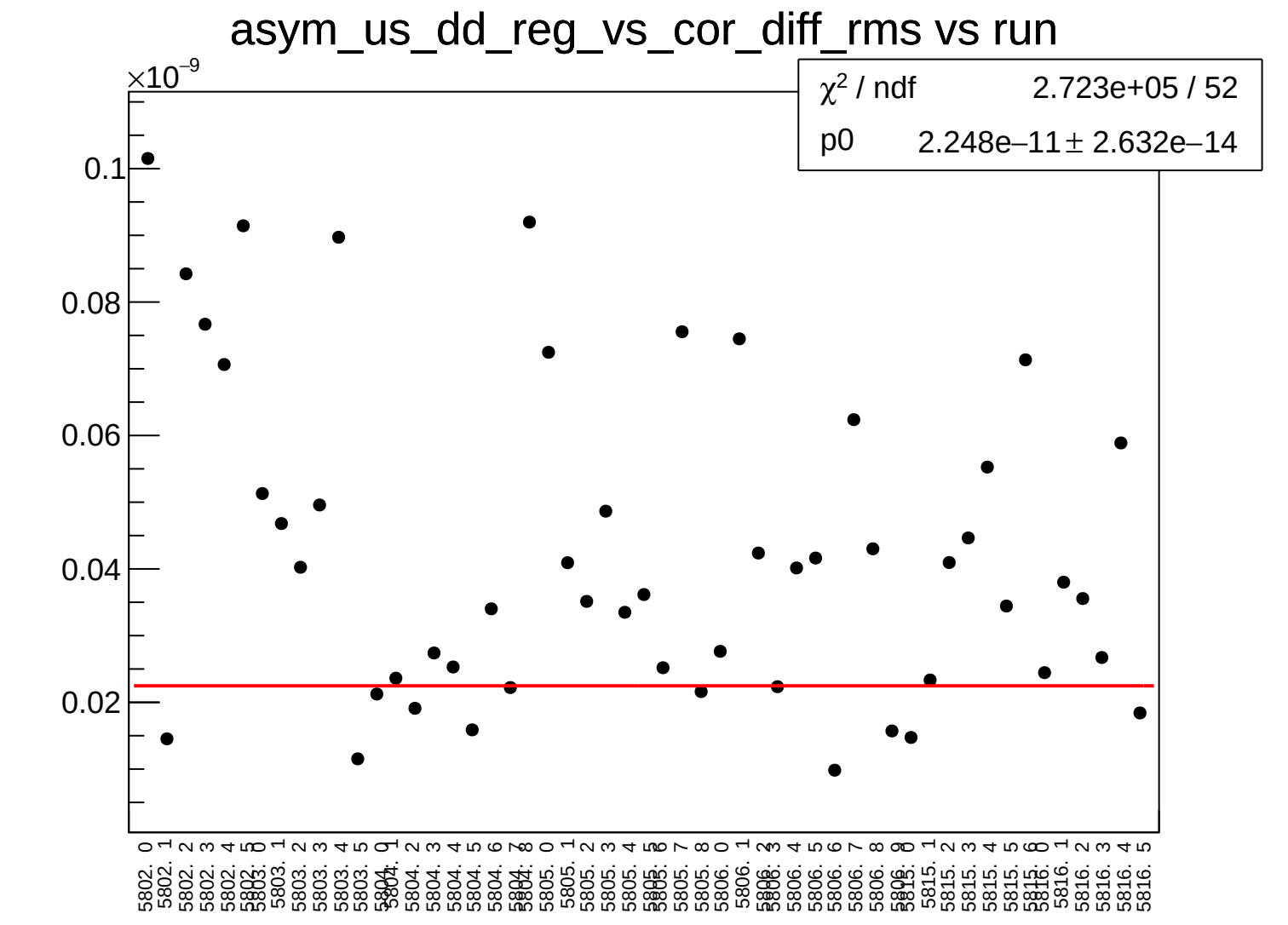

asym_us_dd_mean vs run
χ² / ndf 52.7 / 52
p0 −160.6 ± 1304
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −134.5
Std Dev 0
3
2
1
0
−1
−2

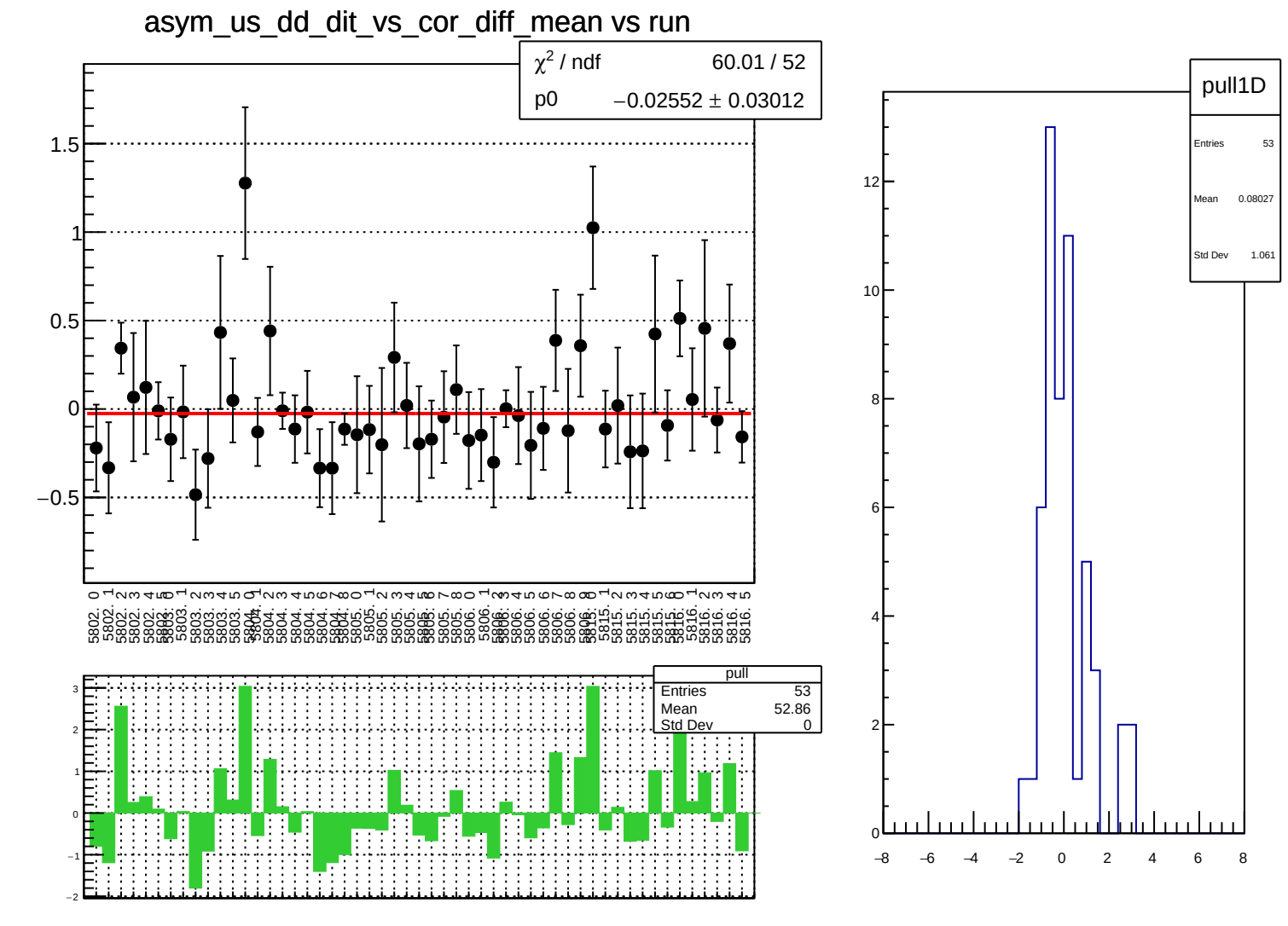

pull1D
Entries 53
Mean 0.01763
Std Dev 0.9971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

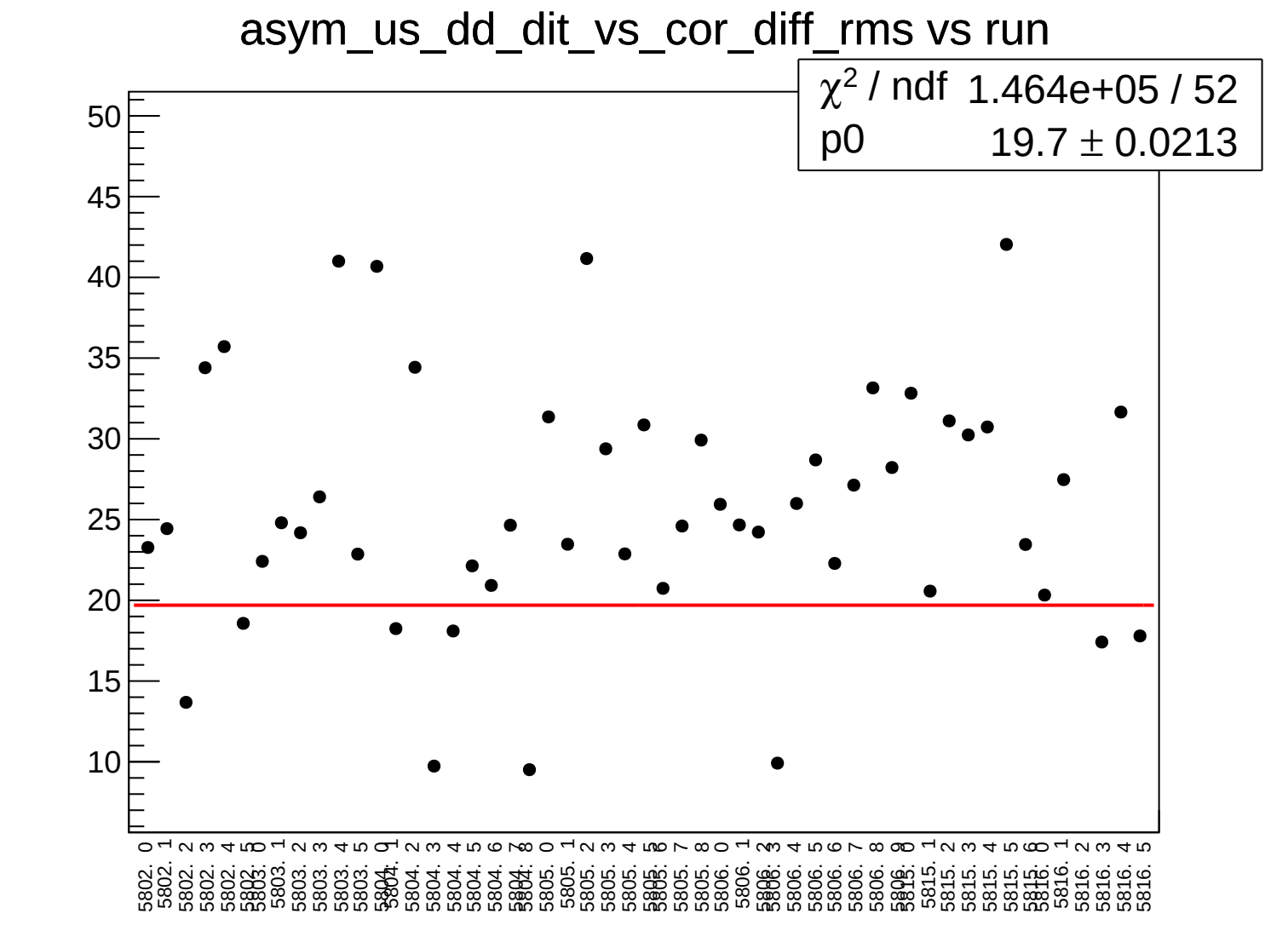

asym_us_dd_rms vs run
χ² / ndf 381.7 / 52
p0 922.9 ± 0.9223
960
940
920
900
880

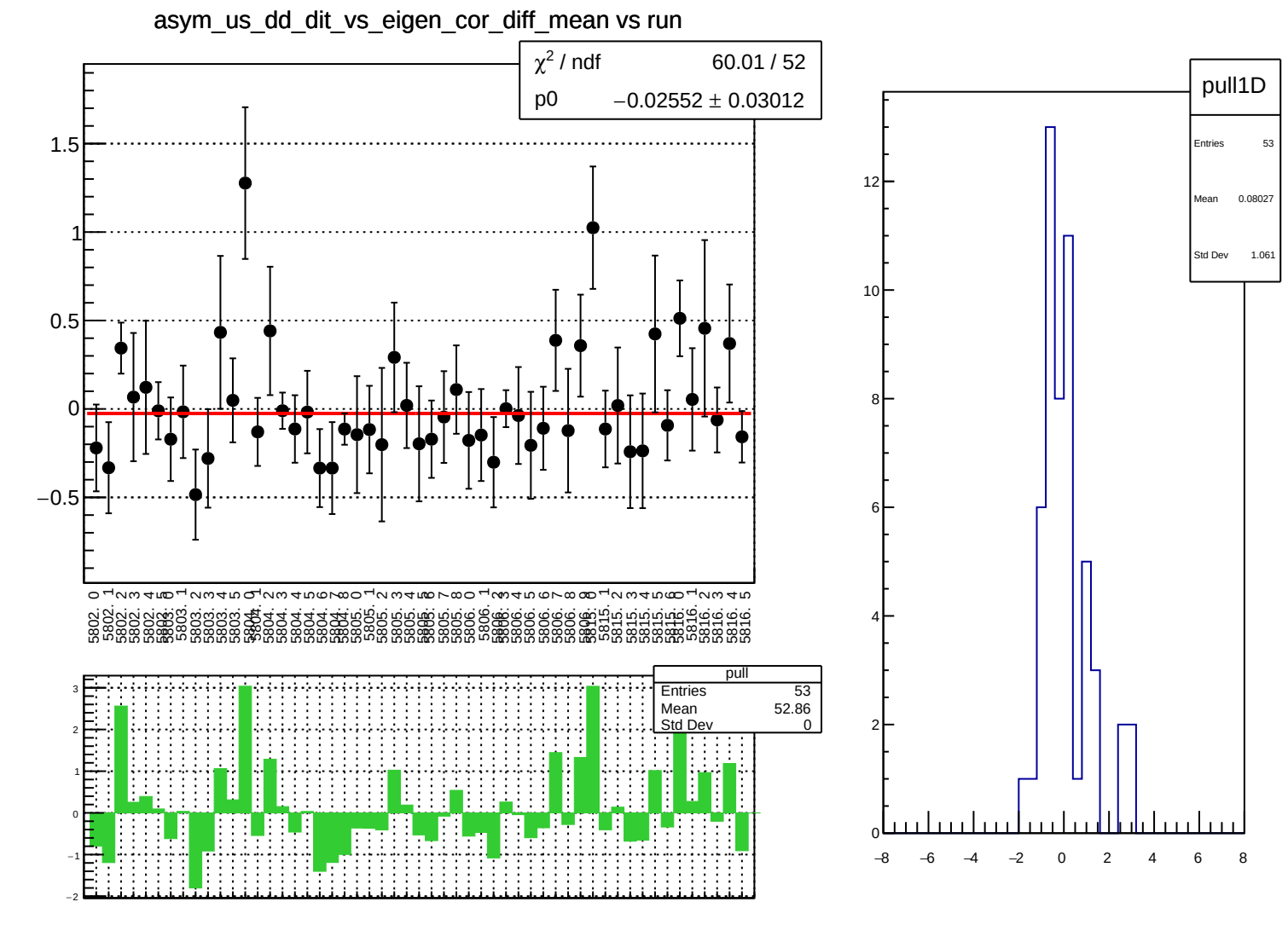

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.36 / 52
p0 −5.058e−14 ± 3.722e−14
pull
Entries 53
Mean 37.47
Std Dev 30.71

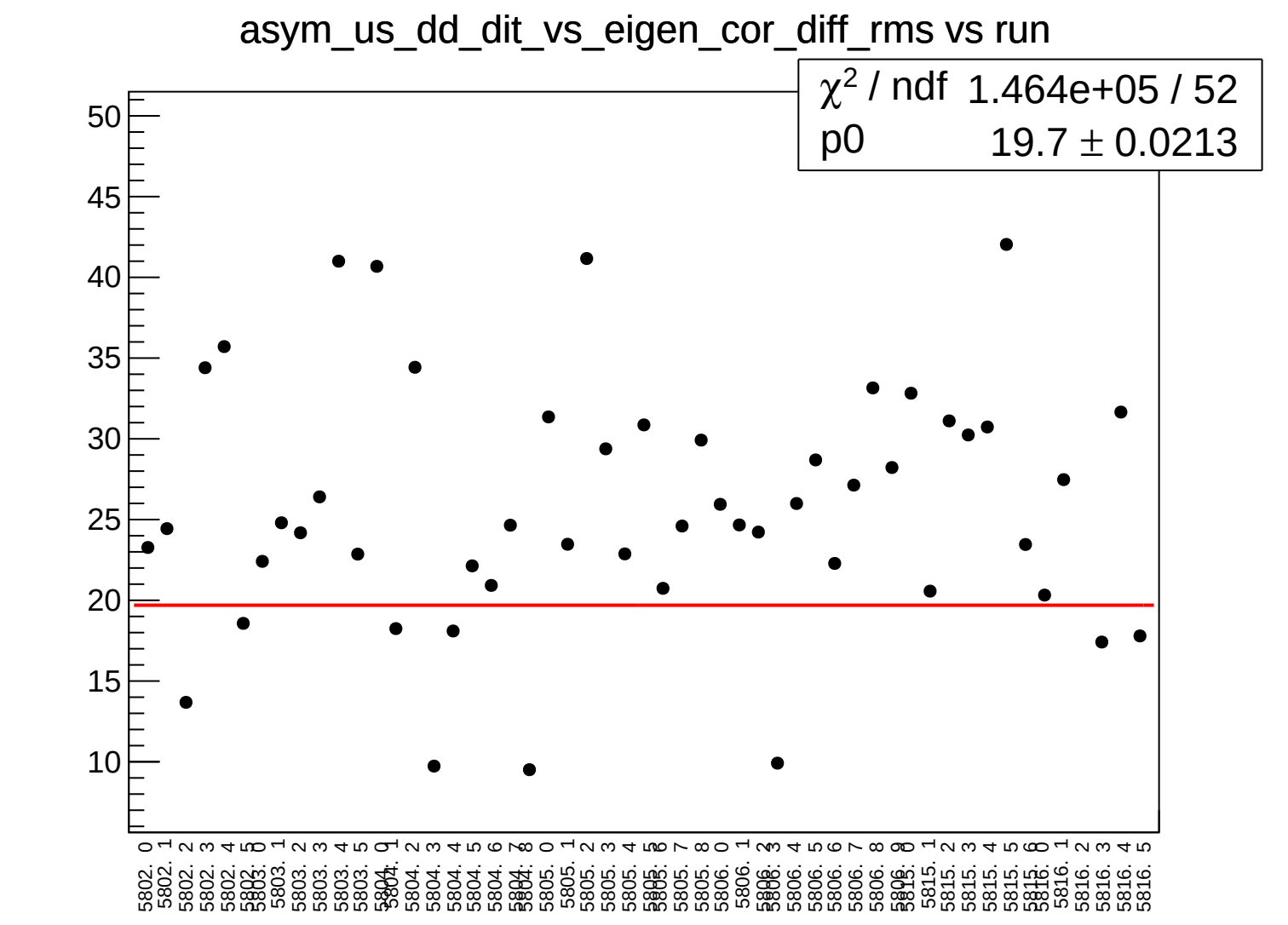

pull1D
Entries 53
Mean −0.03226
Std Dev 1.022


asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.723e+05 / 52
p0 2.248e−11 ± 2.632e−14
0.1
0.08
0.06
0.04
0.02


asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.01 / 52
p0 −0.02552 ± 0.03012
pull
Entries 53
Mean 52.86
Std Dev 0
pull1D
Entries 53
Mean 0.08027
Std Dev 1.061


asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.464e+05 / 52
p0 19.7 ± 0.0213
50
45
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.01 / 52
p0 −0.02552 ± 0.03012
pull
Entries 53
Mean 52.86
Std Dev 0
pull1D
Entries 53
Mean 0.08027
Std Dev 1.061


asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.464e+05 / 52
p0 19.7 ± 0.0213
50
45
40
35
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25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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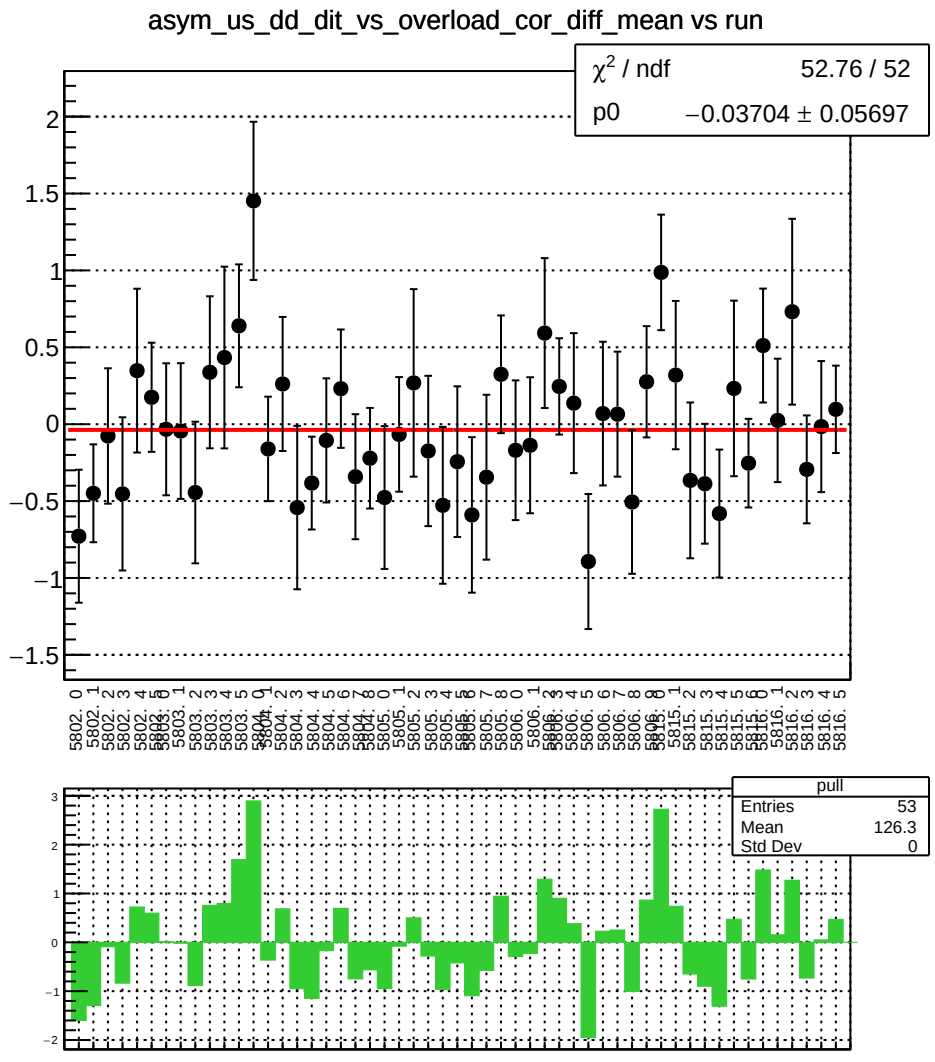
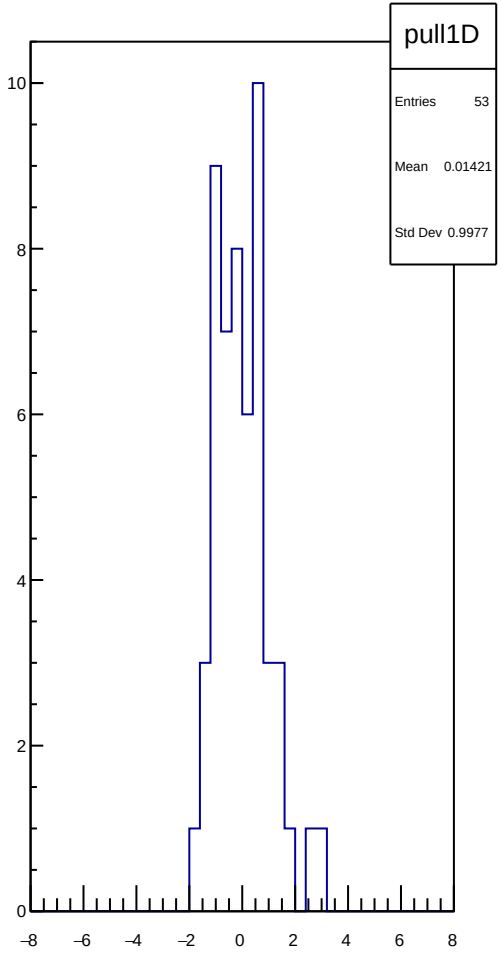
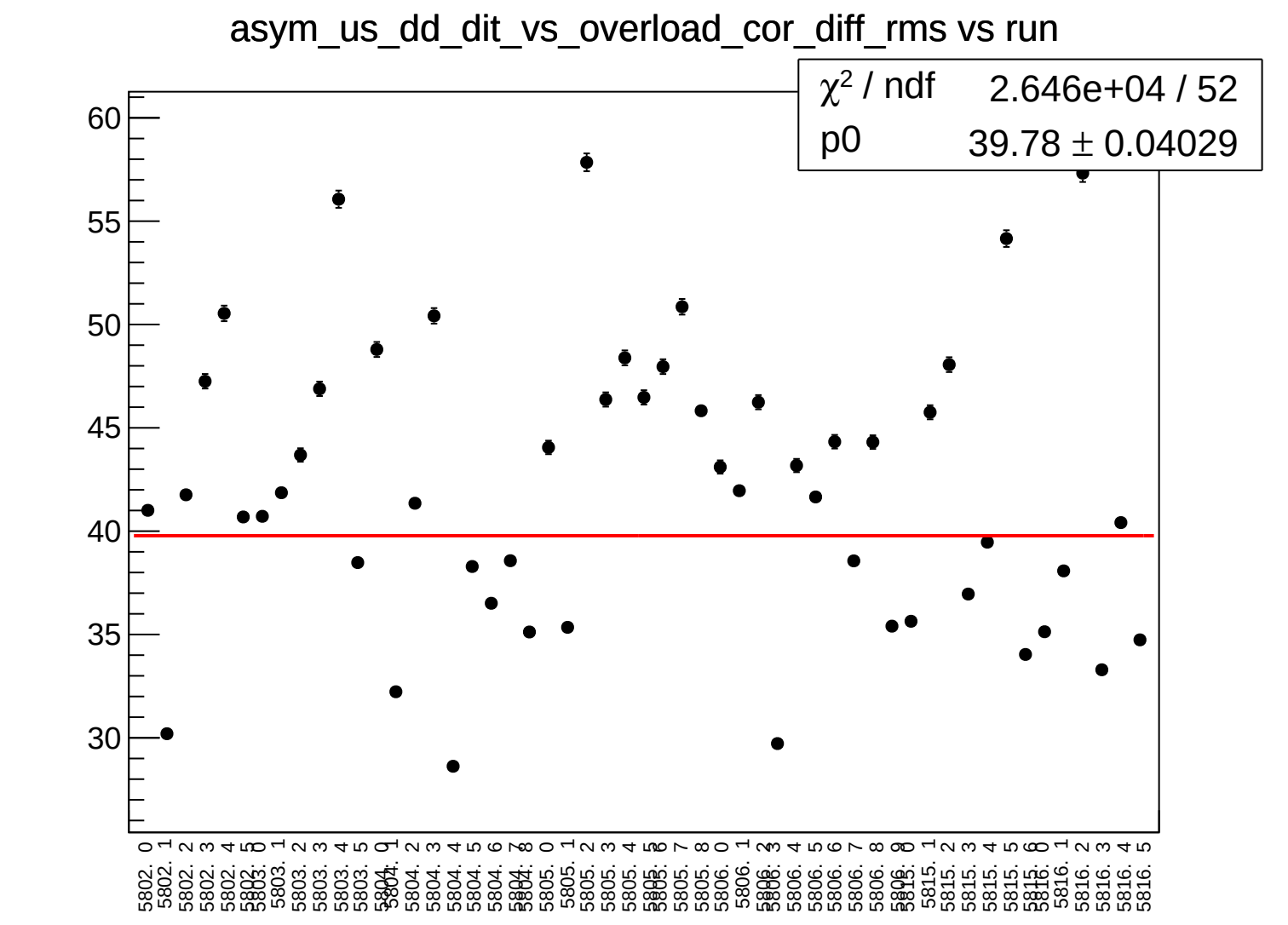
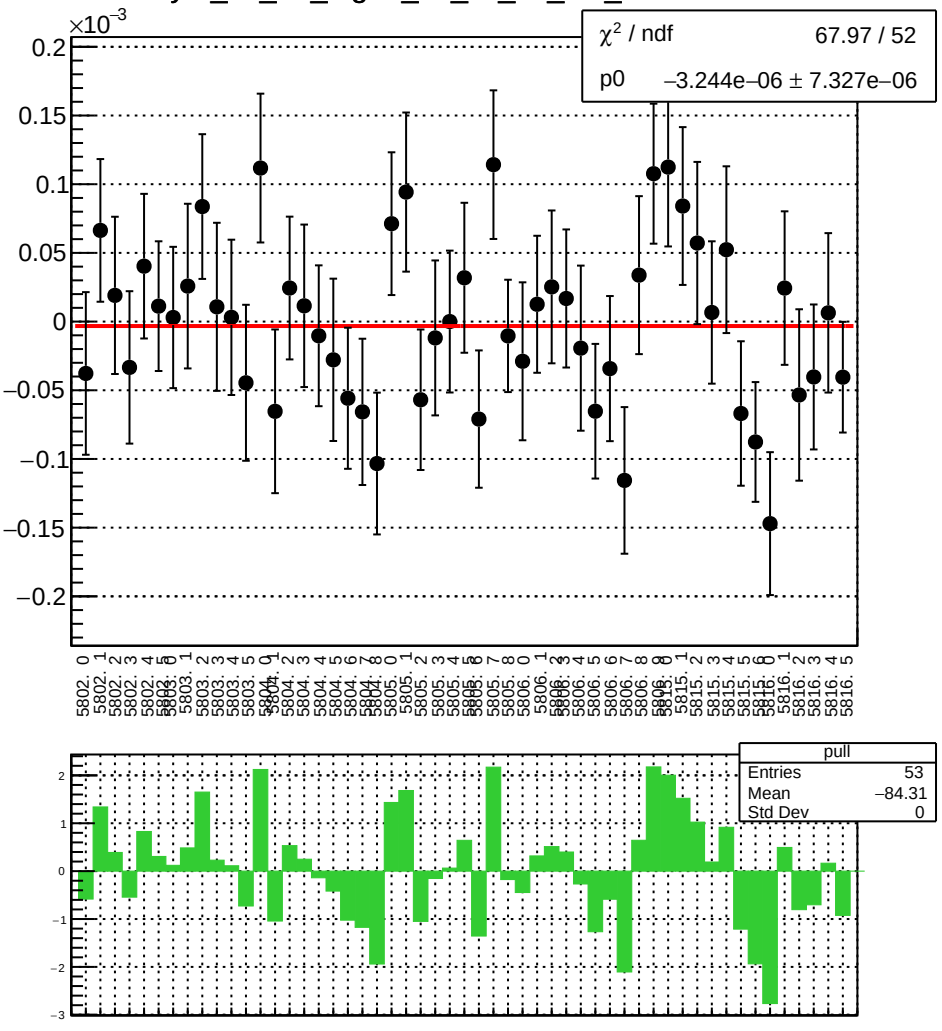
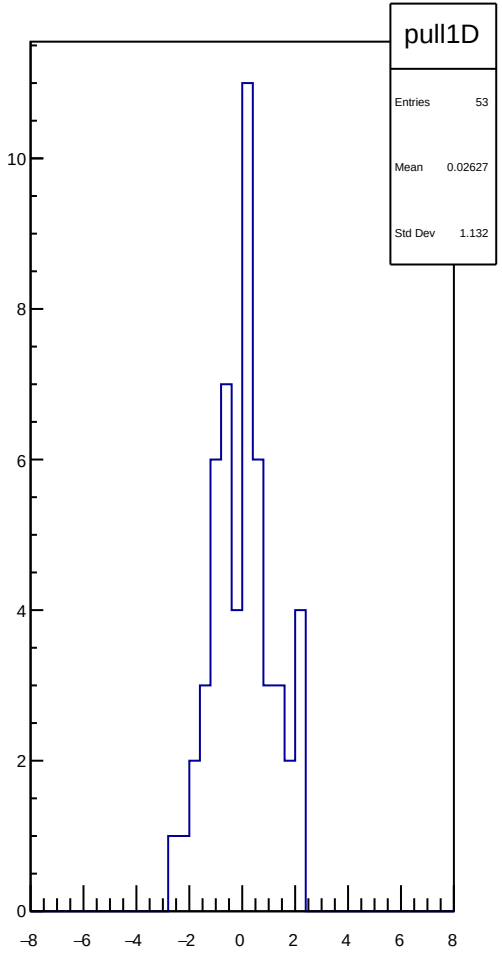
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

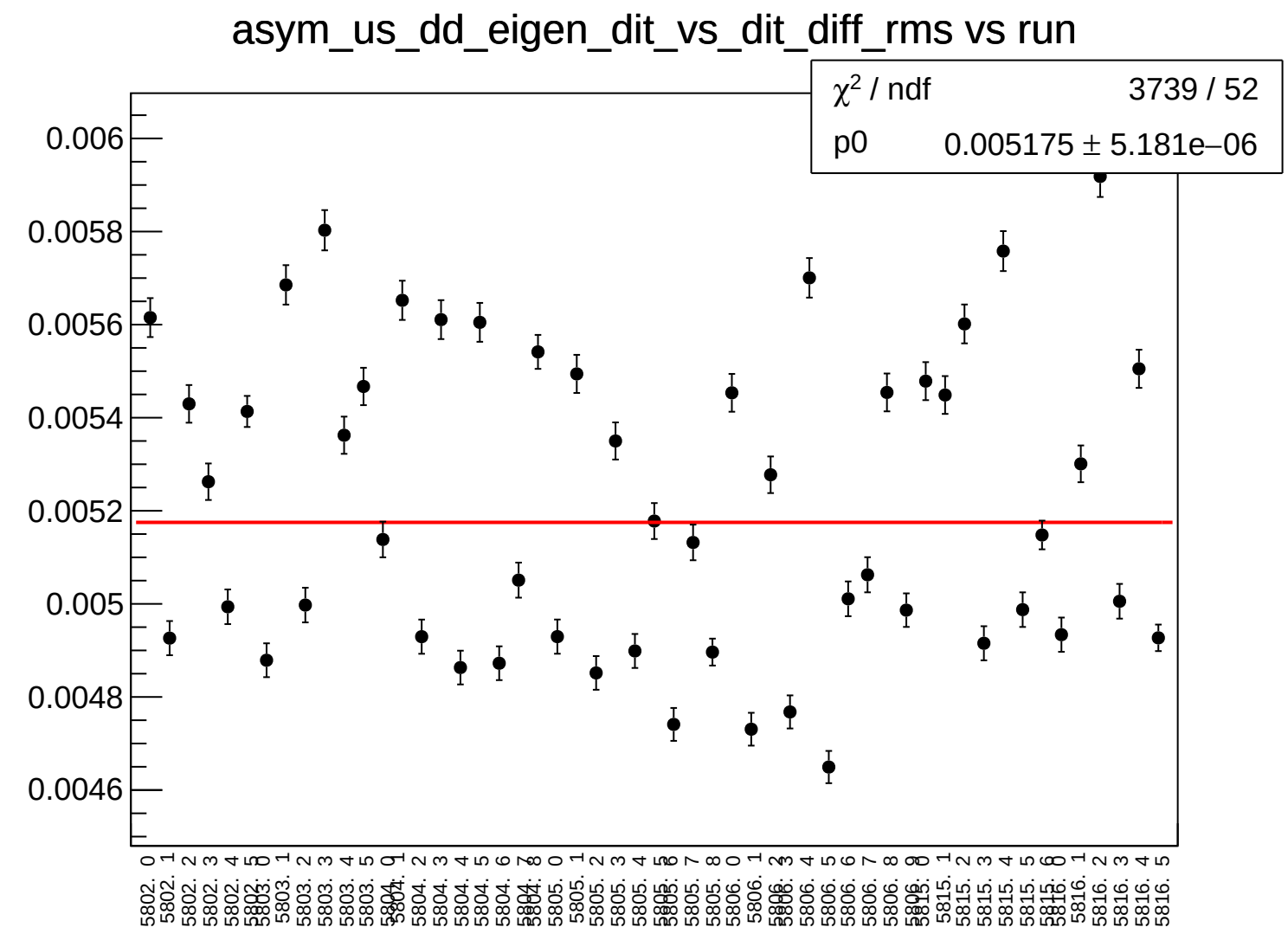

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 52.76 / 52
p0 −0.03704 ± 0.05697
pull
Entries 53
Mean 126.3
Std Dev 0

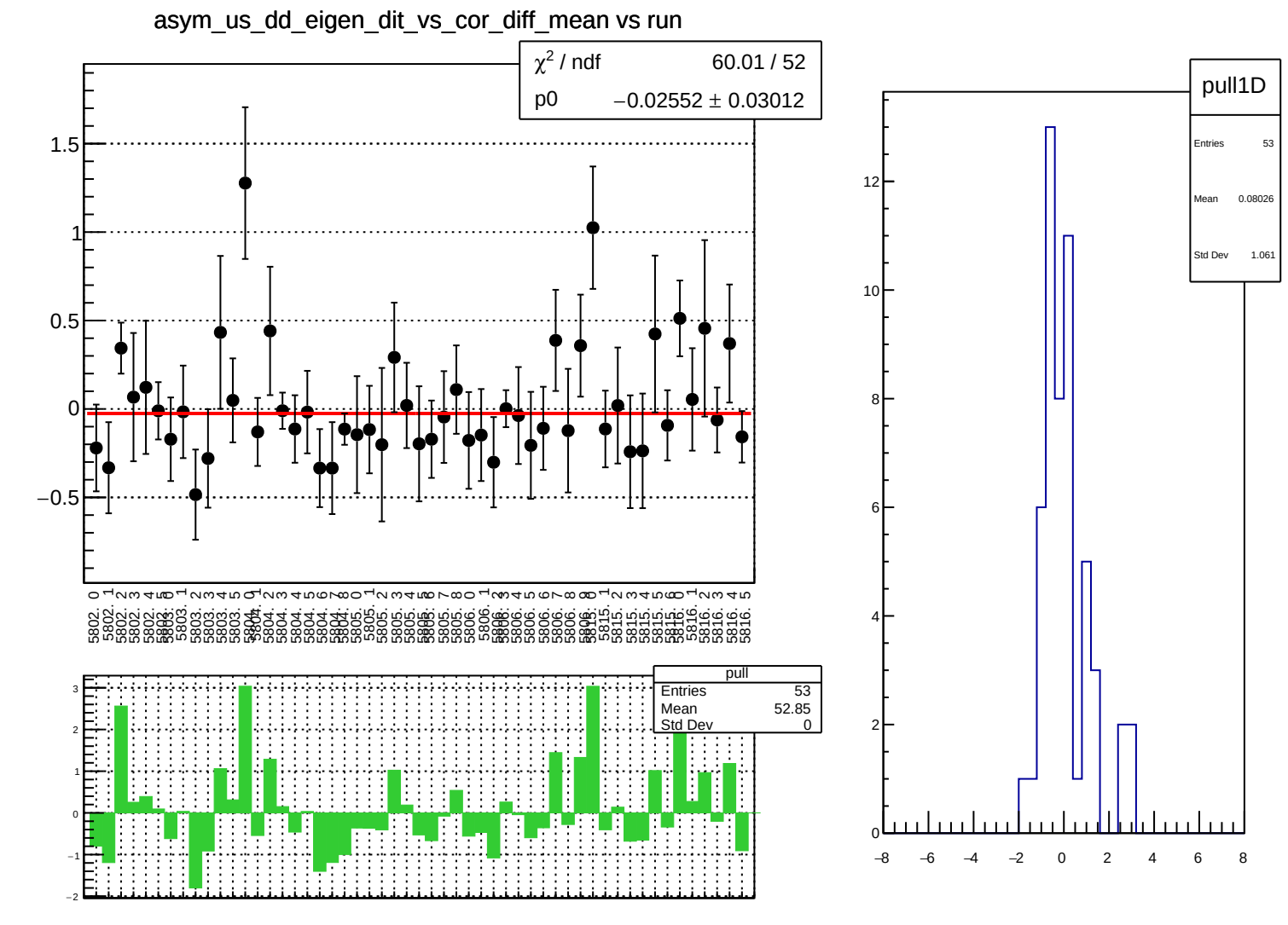

pull1D
Entries 53
Mean 0.01421
Std Dev 0.9977

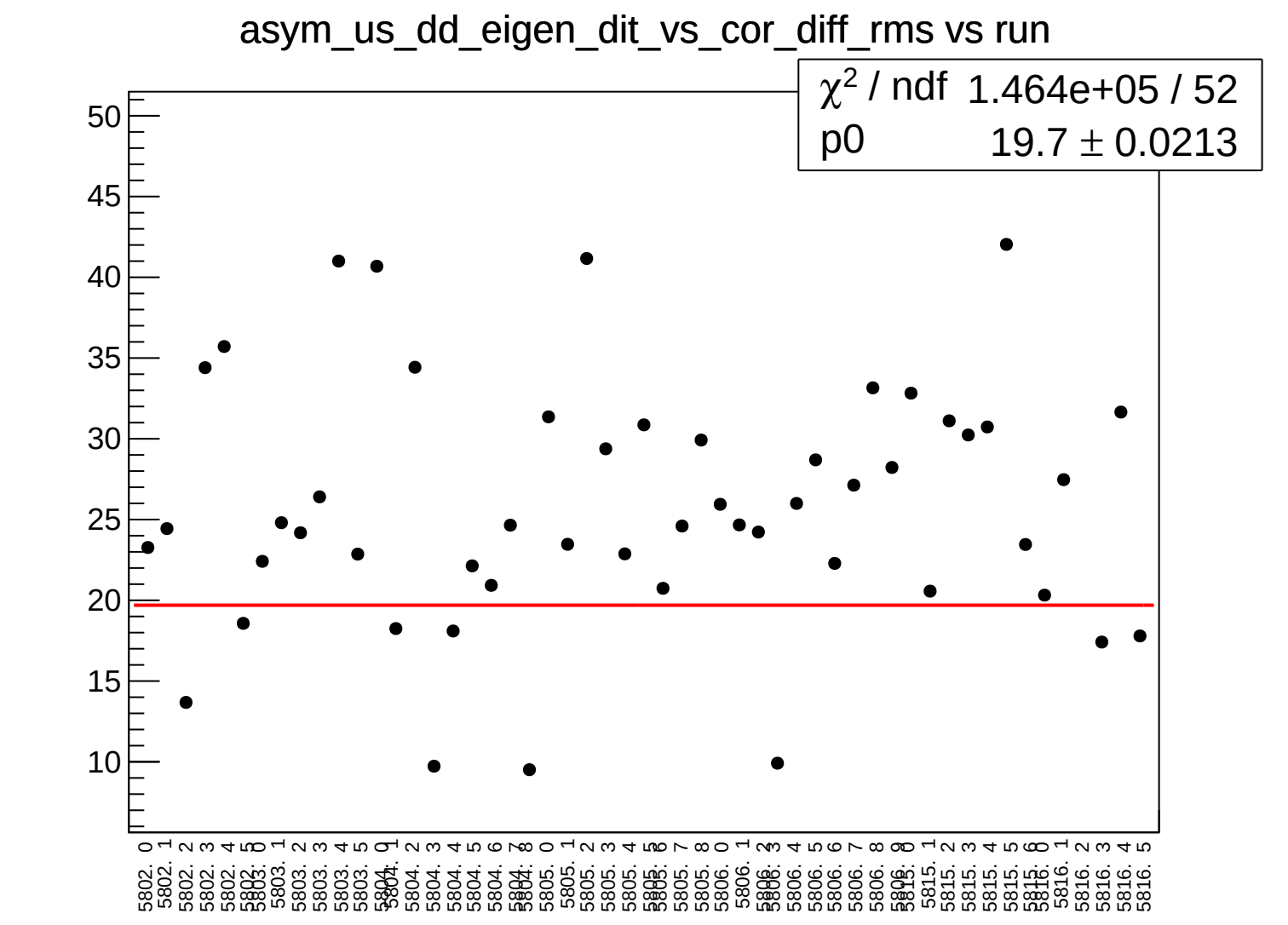

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.646e+04 / 52
p0 39.78 ± 0.04029
60
55
50
45
40
35
30


asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.97 / 52
p0 −3.244e−06 ± 7.327e−06
pull
Entries 53
Mean −84.31
Std Dev 0


pull1D
Entries 53
Mean 0.02627
Std Dev 1.132


asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3739 / 52
p0 0.005175 ± 5.181e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046


asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.01 / 52
p0 −0.02552 ± 0.03012
pull
Entries 53
Mean 52.85
Std Dev 0
pull1D
Entries 53
Mean 0.08026
Std Dev 1.061


asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.464e+05 / 52
p0 19.7 ± 0.0213
50
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15
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5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 8
5806. 0
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5806. 4
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5806. 6
5806. 7
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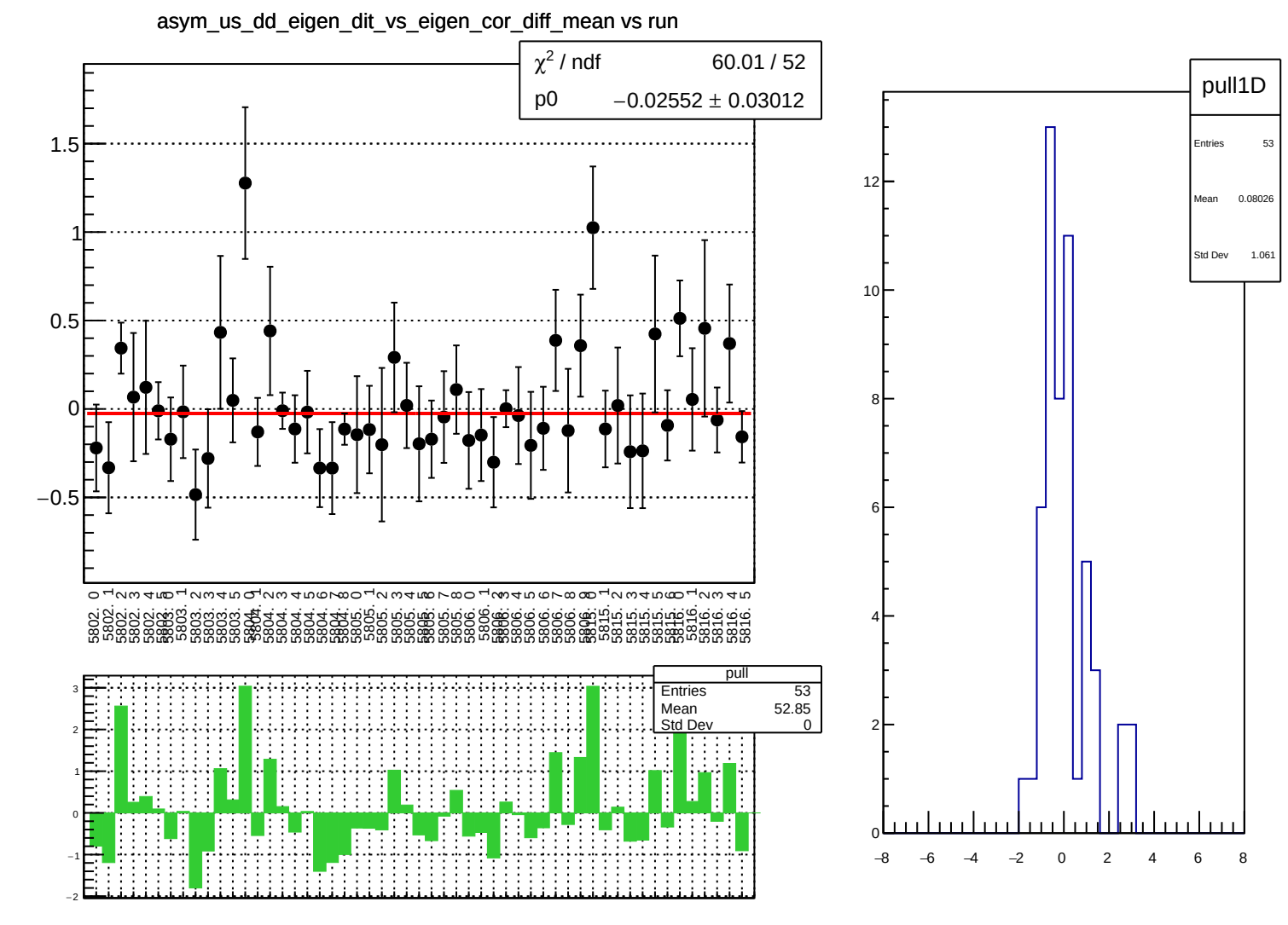
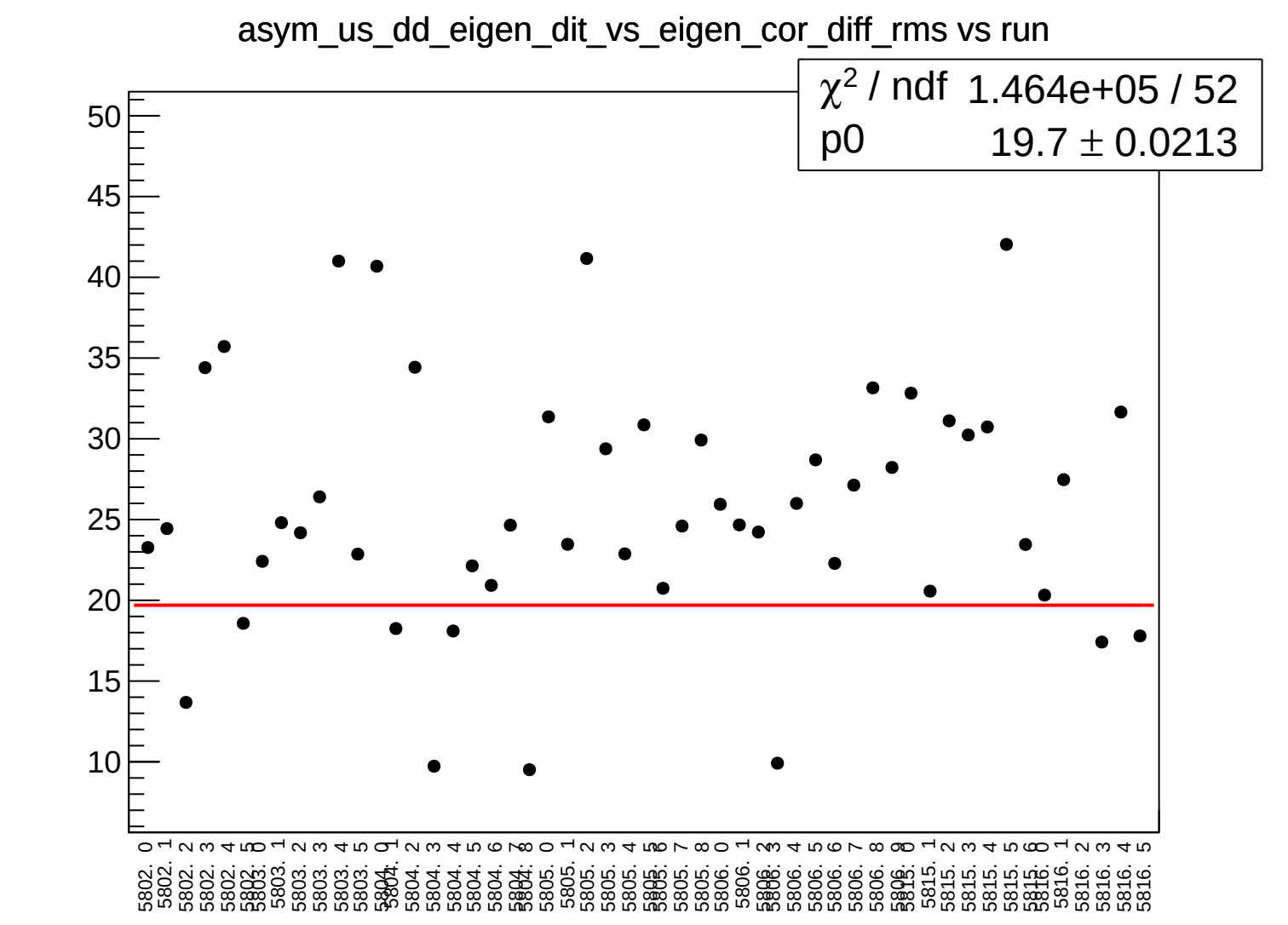
5816. 4
5816. 5


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.01 / 52
p0 −0.02552 ± 0.03012
pull
Entries 53
Mean 52.85
Std Dev 0
pull1D
Entries 53
Mean 0.08026
Std Dev 1.061


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.464e+05 / 52
p0 19.7 ± 0.0213
50
45
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15
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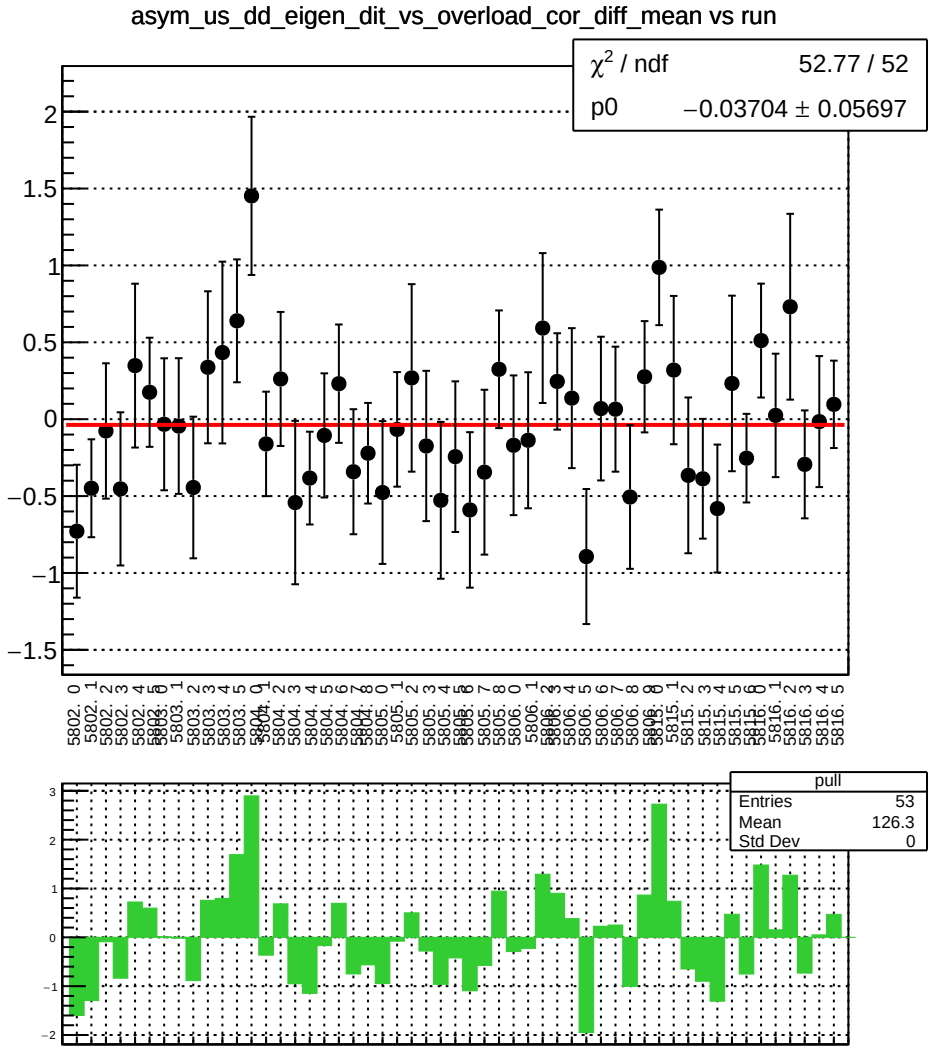
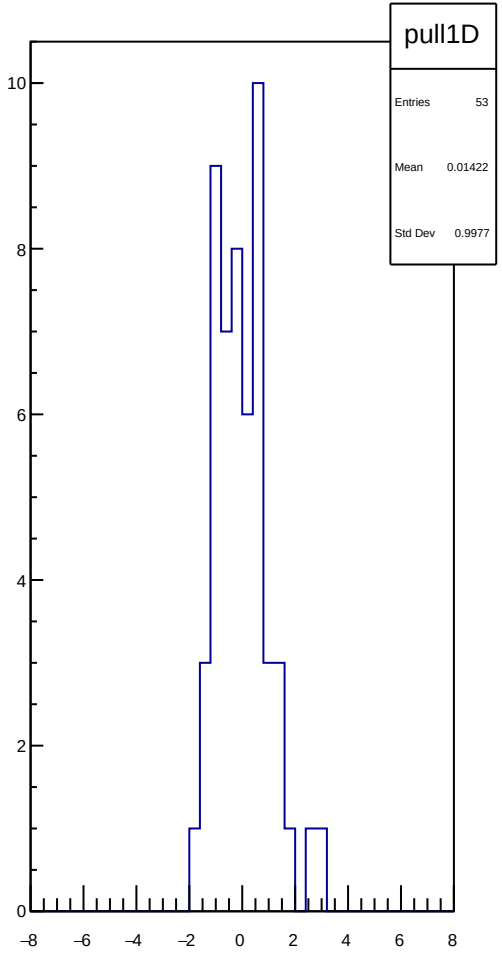
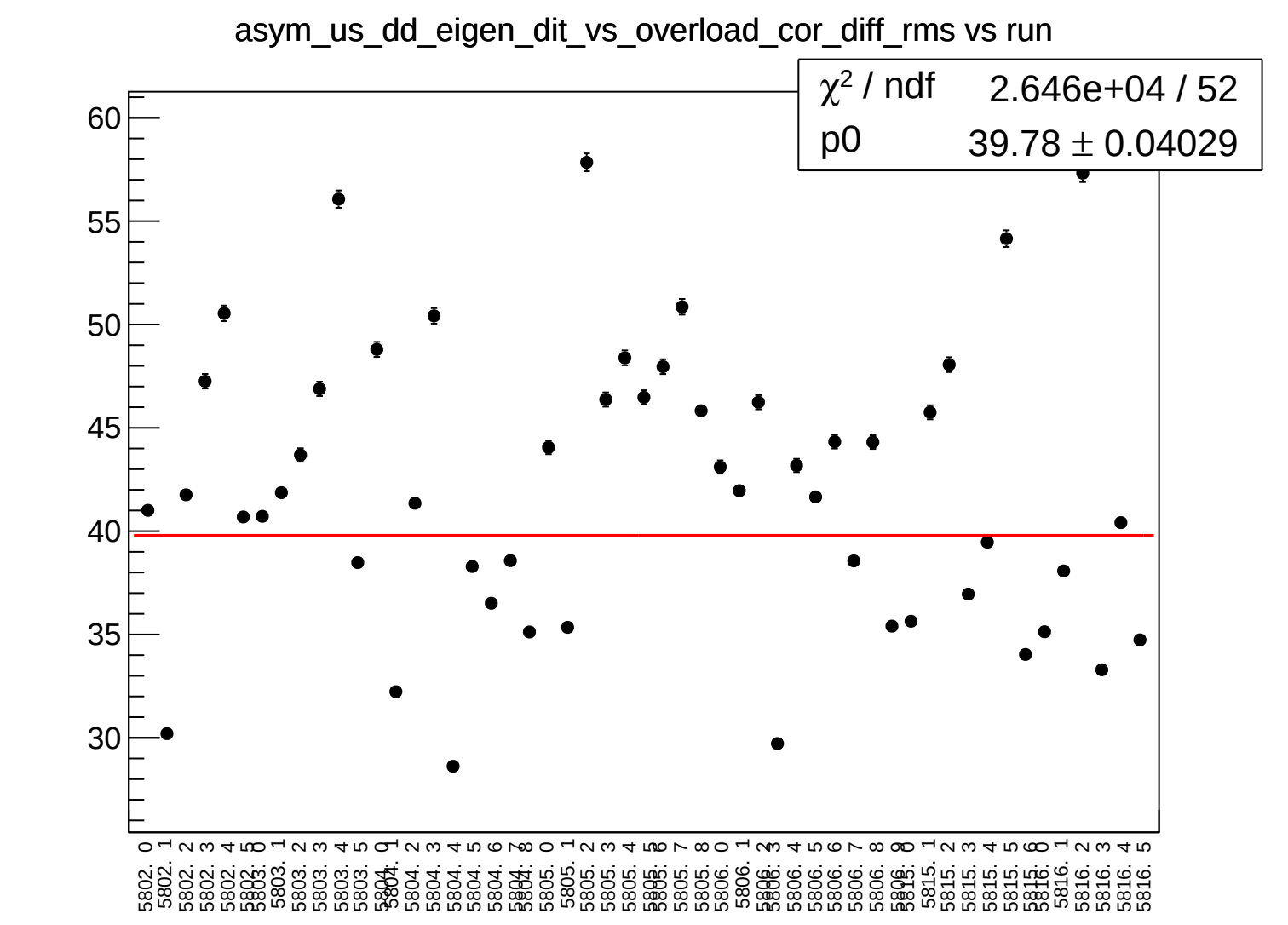
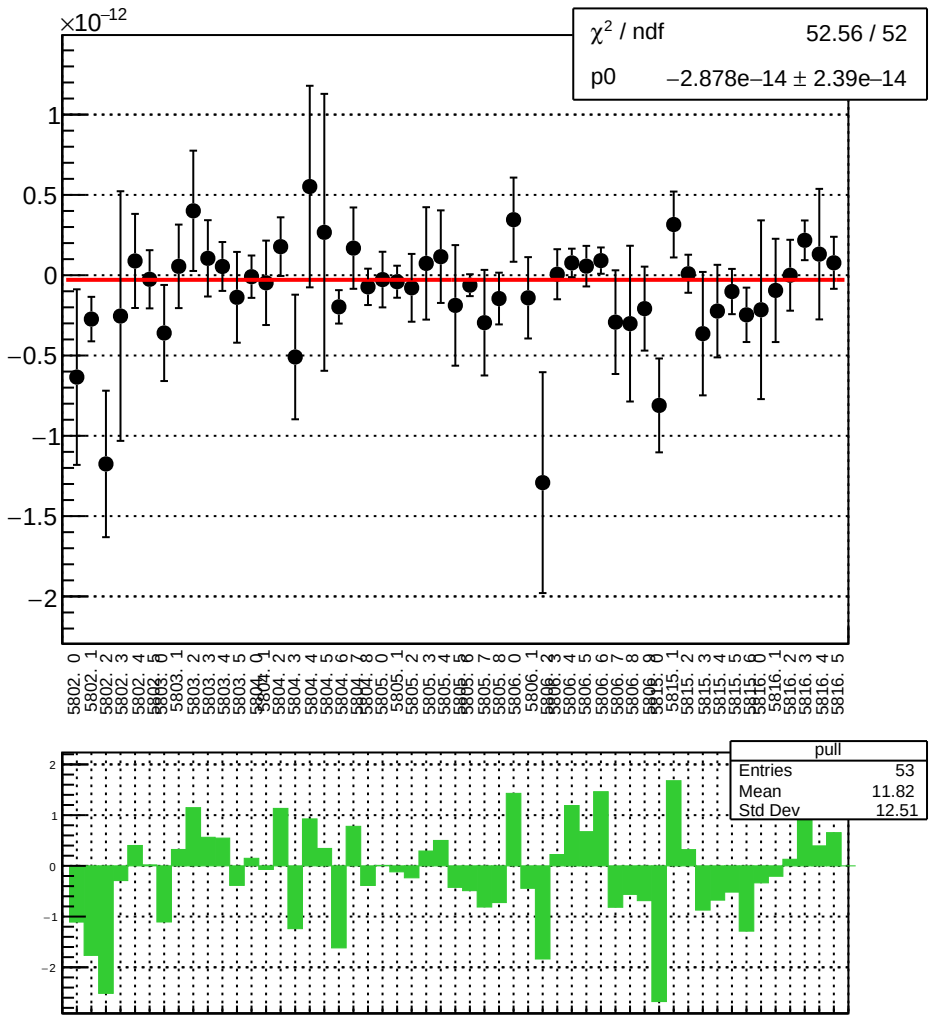
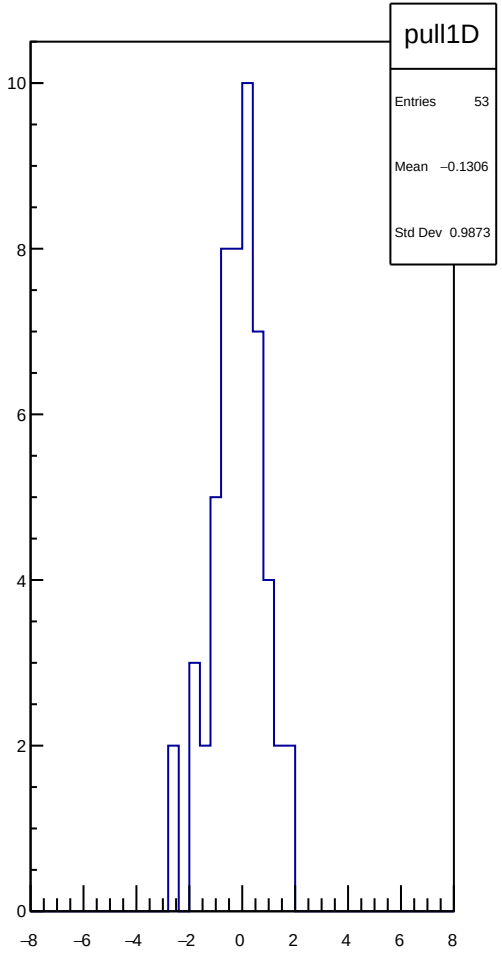
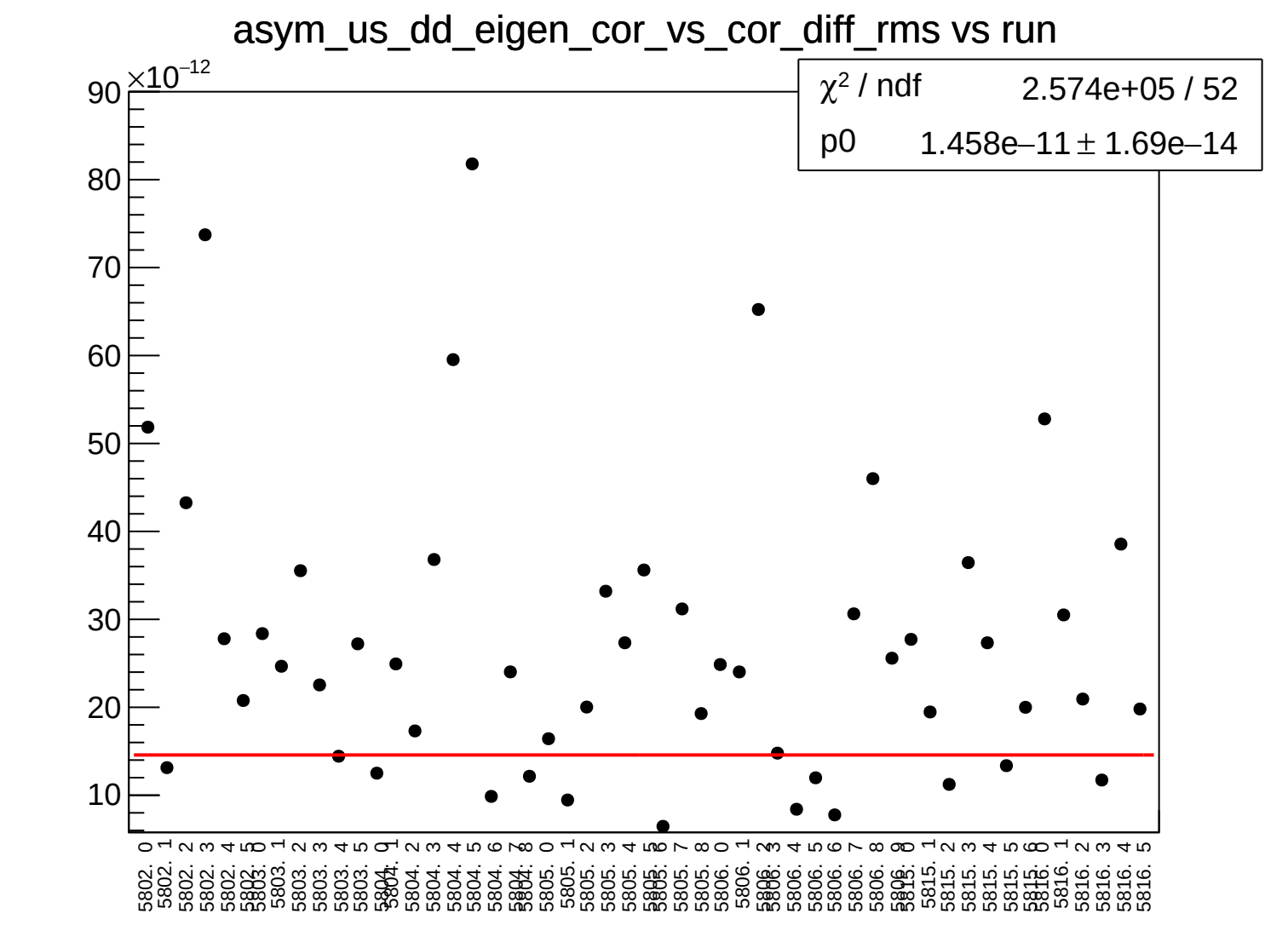

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 52.77 / 52
p0 −0.03704 ± 0.05697
pull
Entries 53
Mean 126.3
Std Dev 0

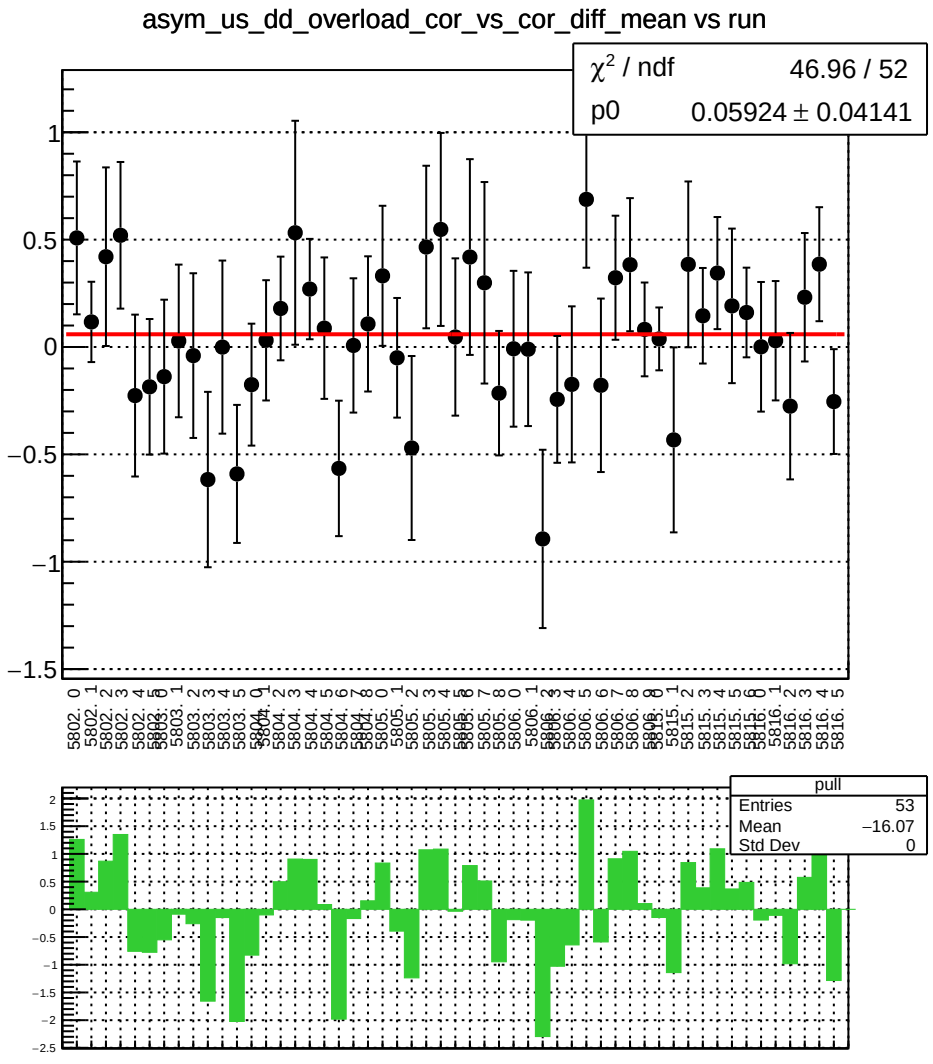

pull1D
Entries 53
Mean 0.01422
Std Dev 0.9977

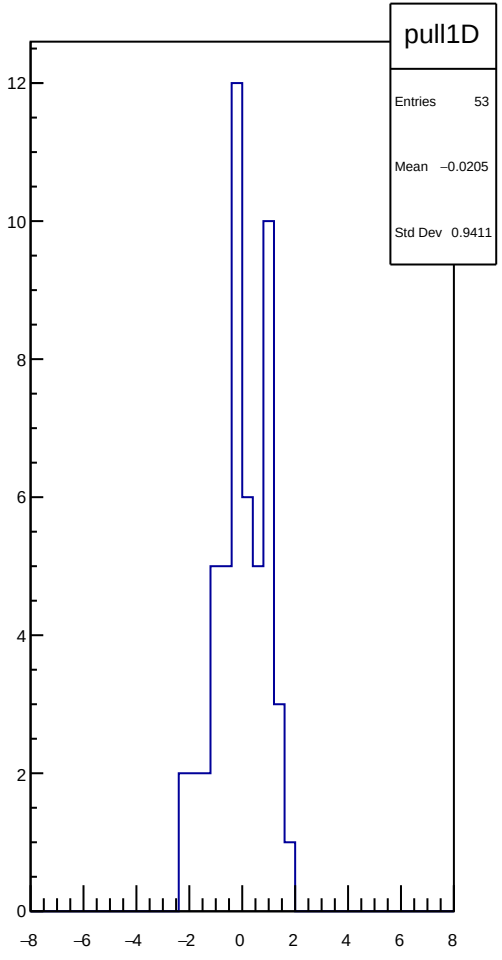

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.646e+04 / 52
p0 39.78 ± 0.04029
60
55
50
45
40
35
30

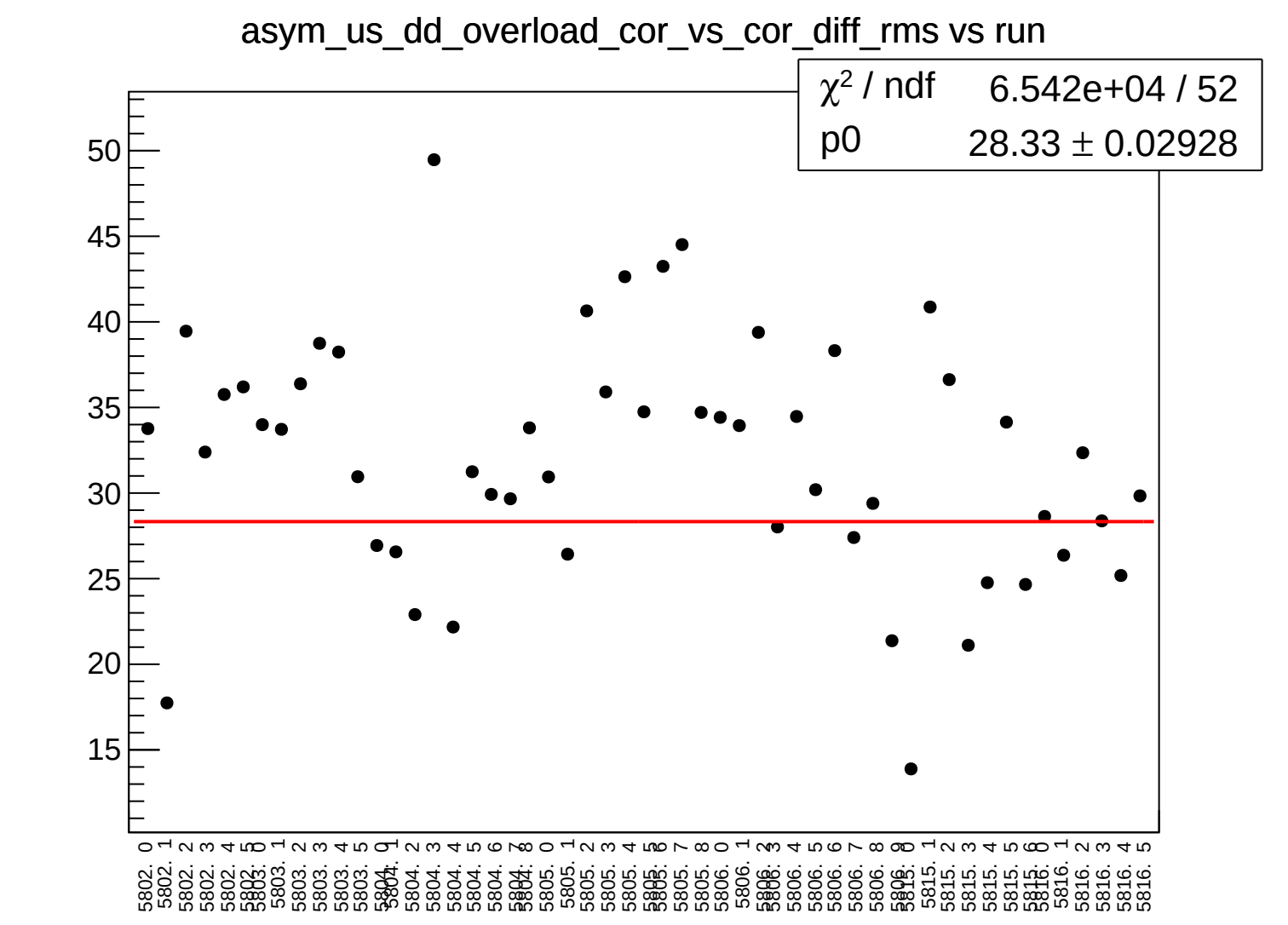

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.56 / 52
p0 −2.878e−14 ± 2.39e−14
pull
Entries 53
Mean 11.82
Std Dev 12.51

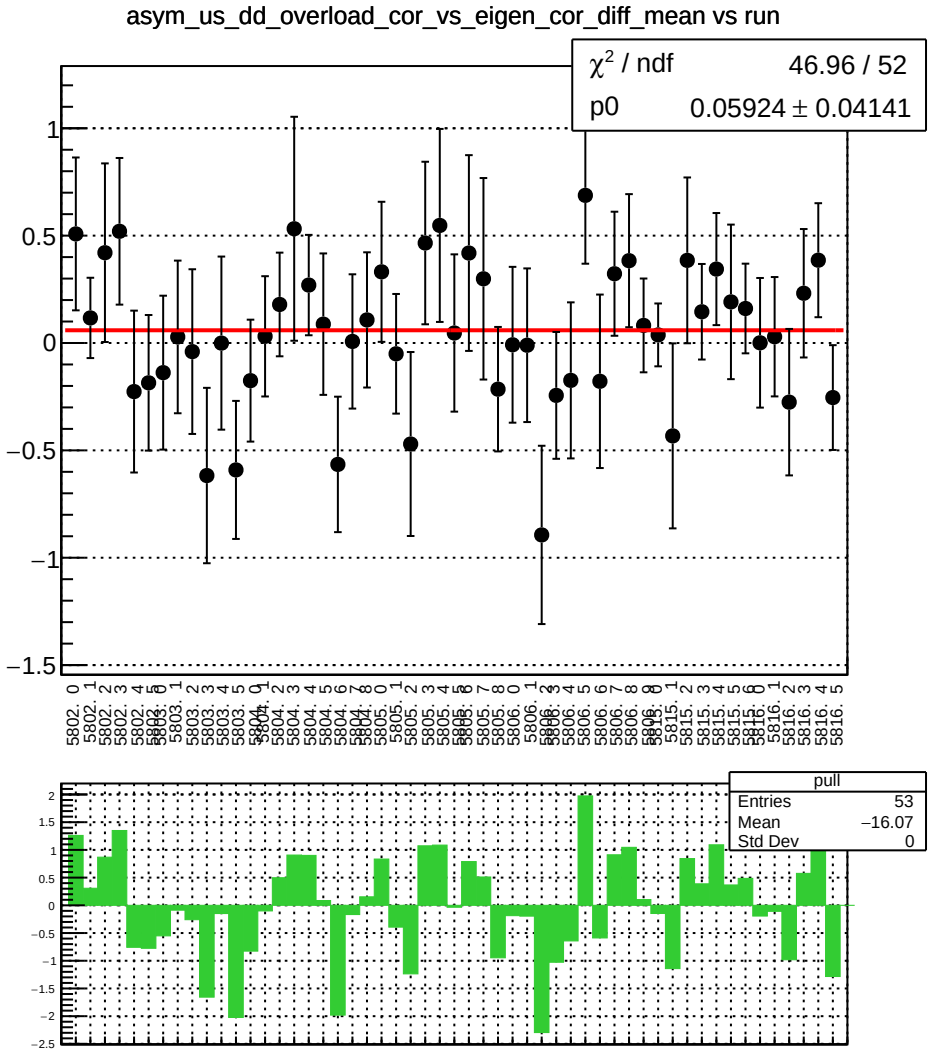

pull1D
Entries 53
Mean −0.1306
Std Dev 0.9873

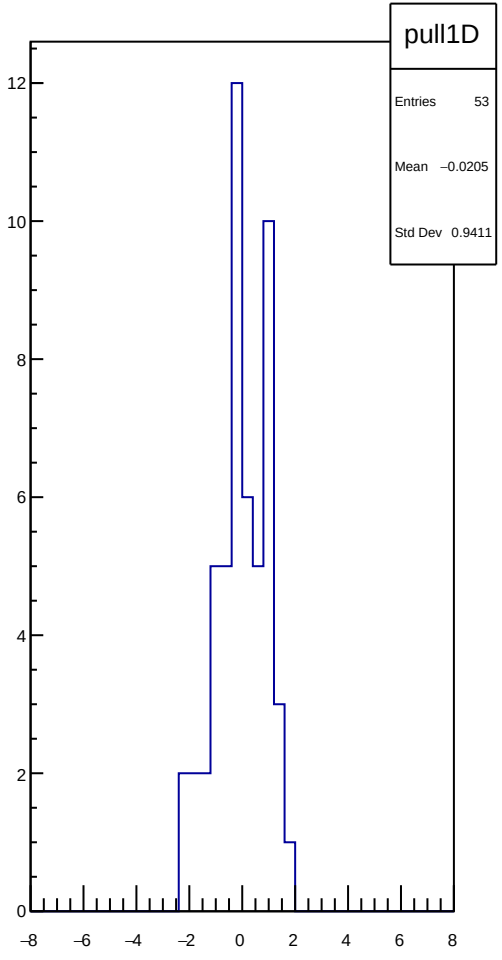

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.574e+05 / 52
p0 1.458e−11 ± 1.69e−14
90
80
70
60
50
40
30
20
10

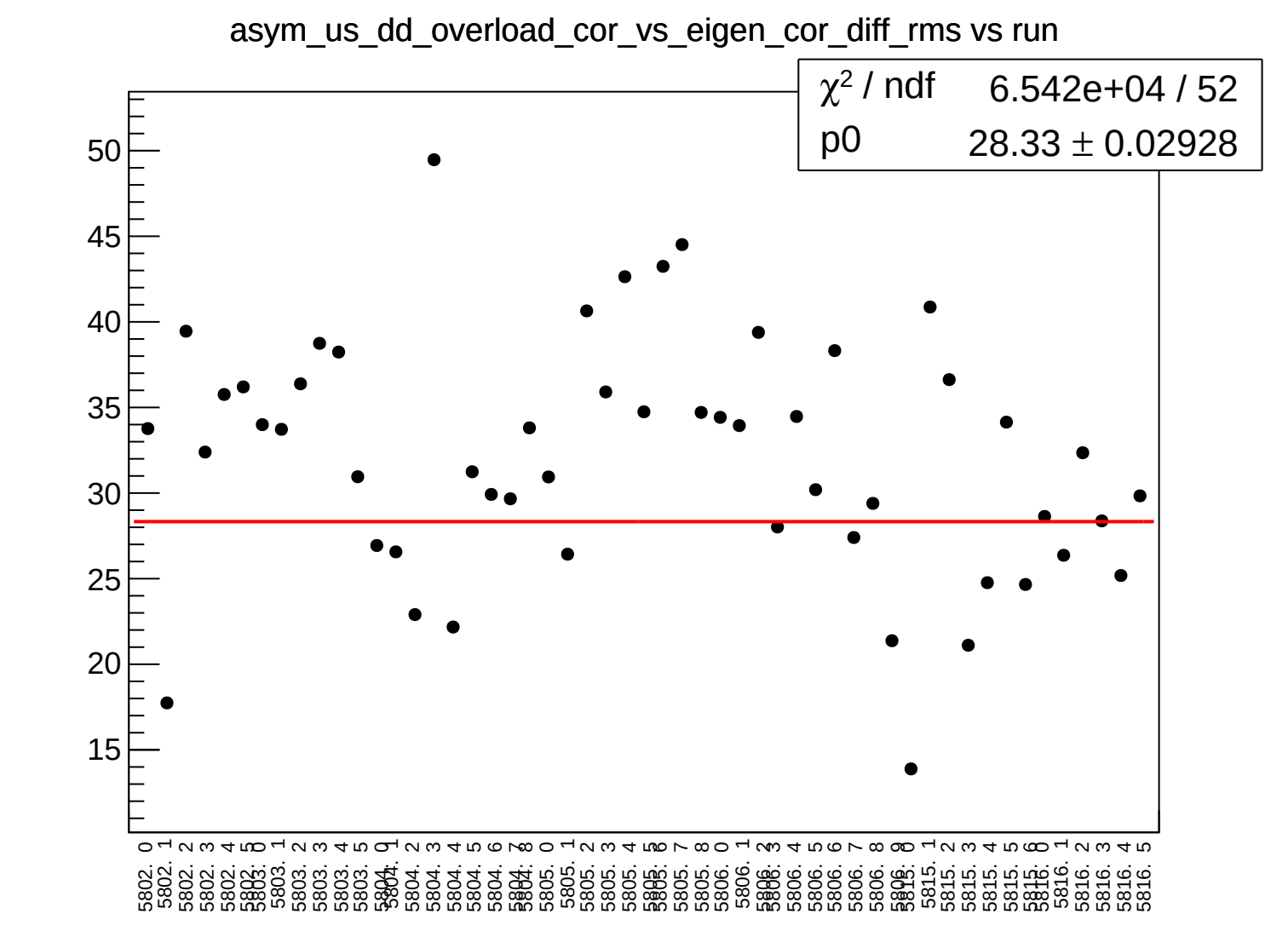

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 46.96 / 52
p0 0.05924 ± 0.04141
pull
Entries 53
Mean −16.07
Std Dev 0


pull1D
Entries 53
Mean −0.0205
Std Dev 0.9411


asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.542e+04 / 52
p0 28.33 ± 0.02928
50
45
40
35
30
25
20
15


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.96 / 52
p0 0.05924 ± 0.04141
pull
Entries 53
Mean −16.07
Std Dev 0


pull1D
Entries 53
Mean −0.0205
Std Dev 0.9411


asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.542e+04 / 52
p0 28.33 ± 0.02928
50
45
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20
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5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
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5803. 5
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5804. 5
5804. 6
5805. 0
5805. 1
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5806. 0
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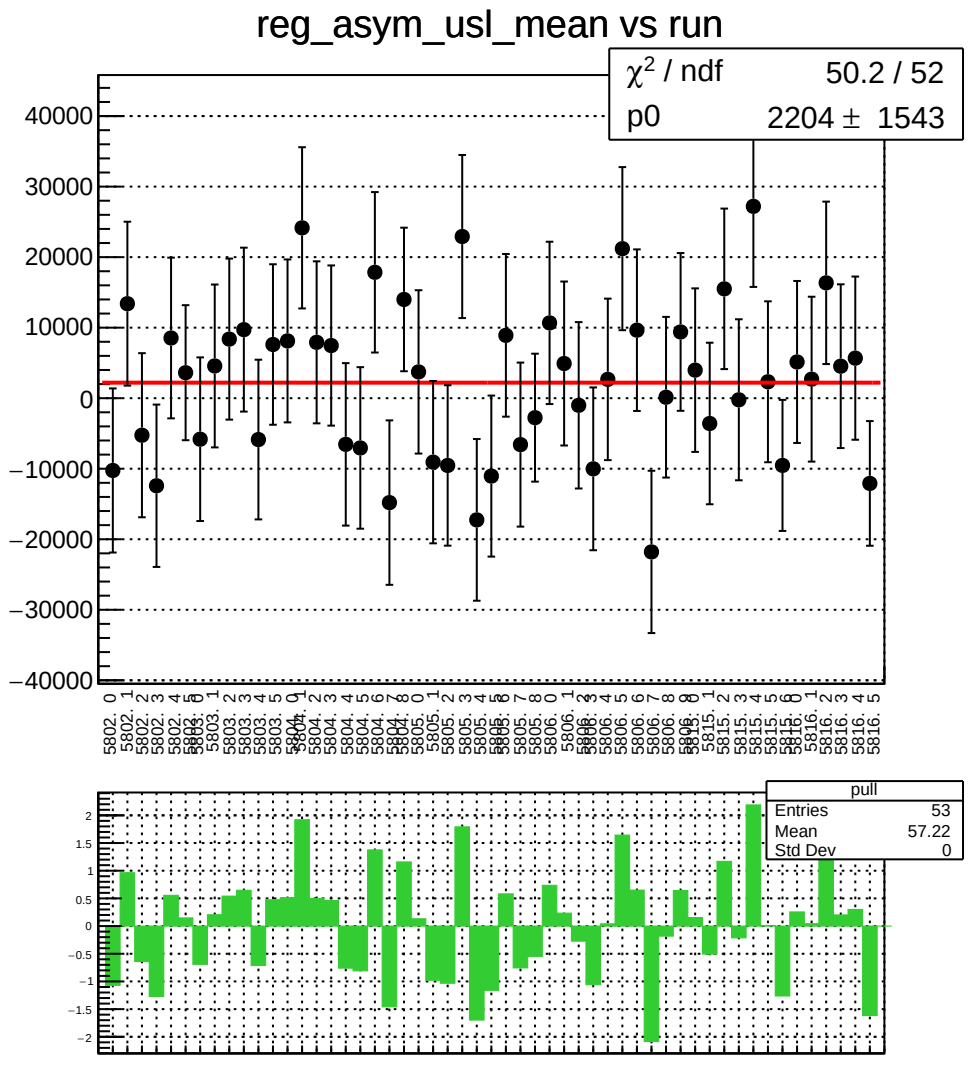
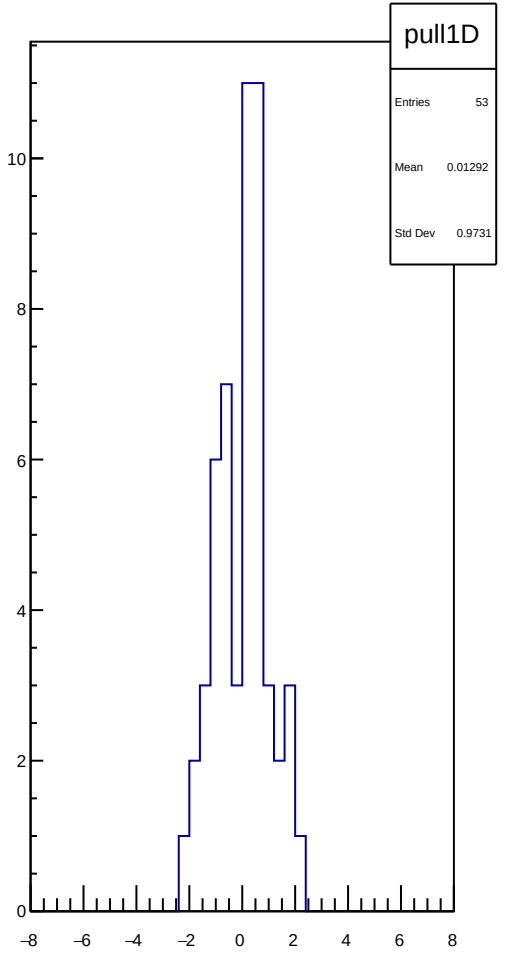
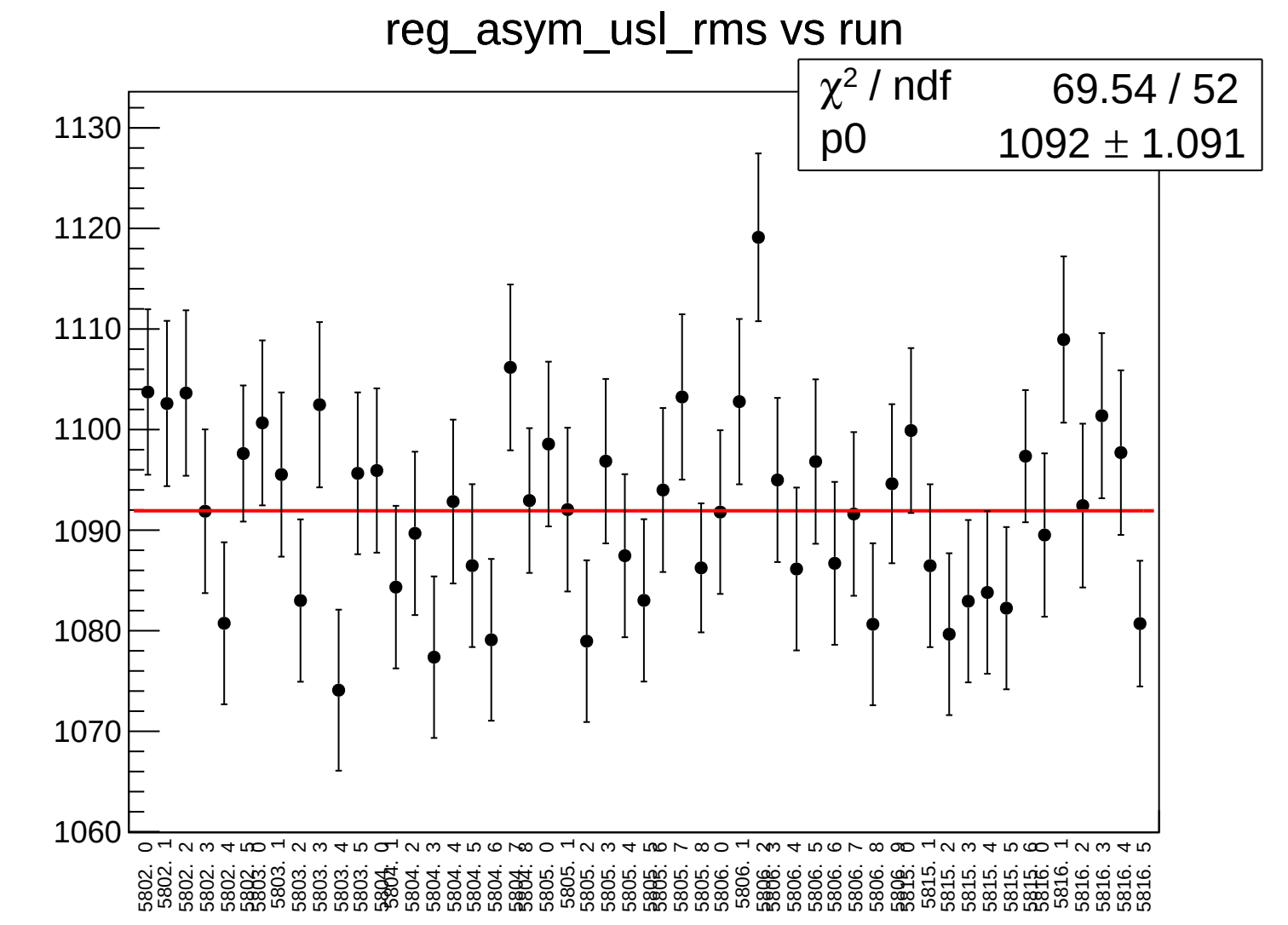
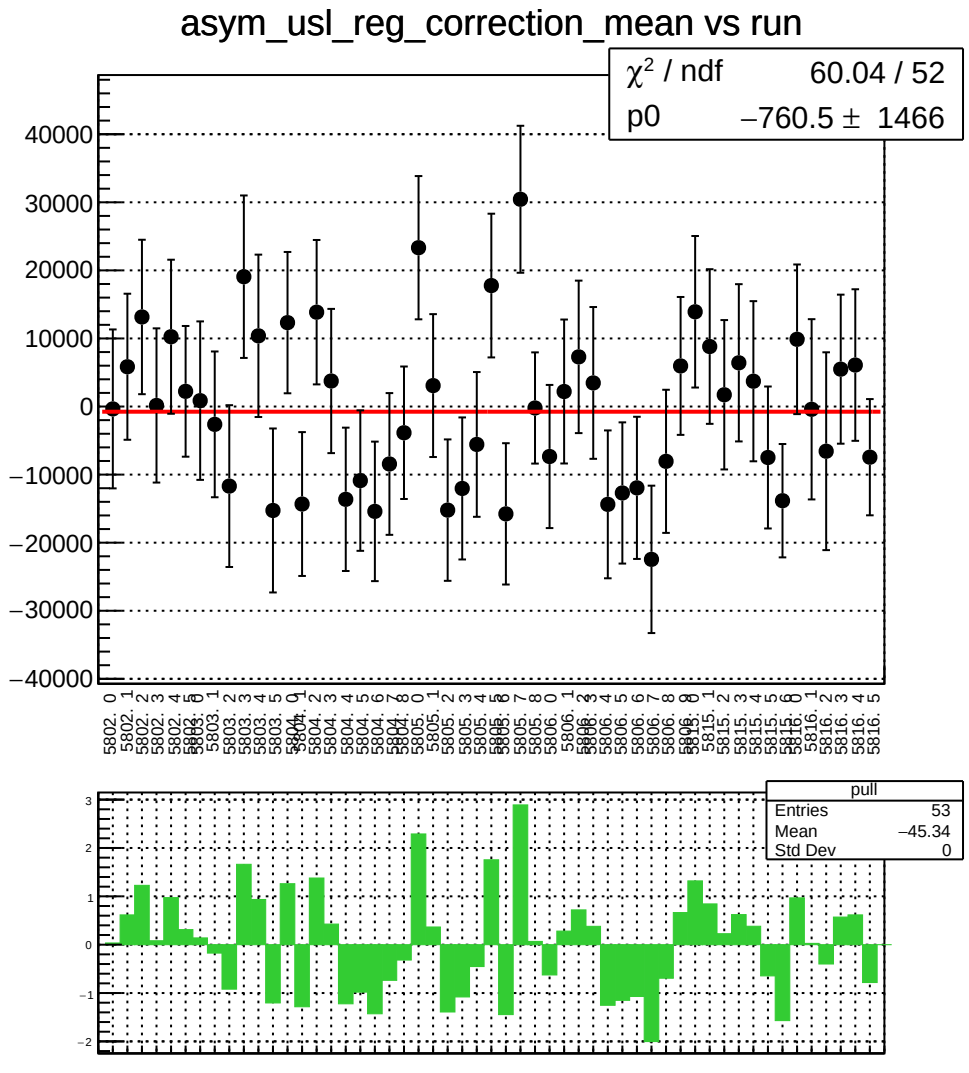
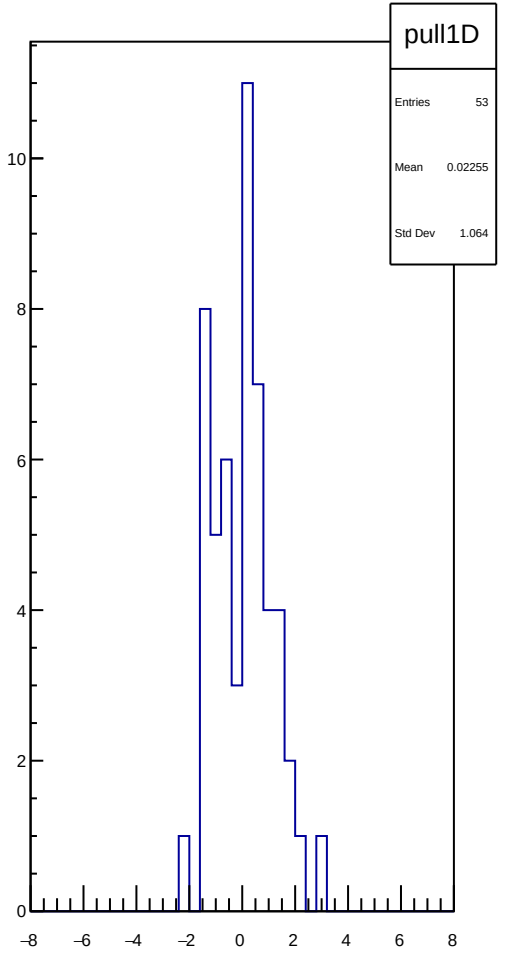
5816. 4
5816. 5

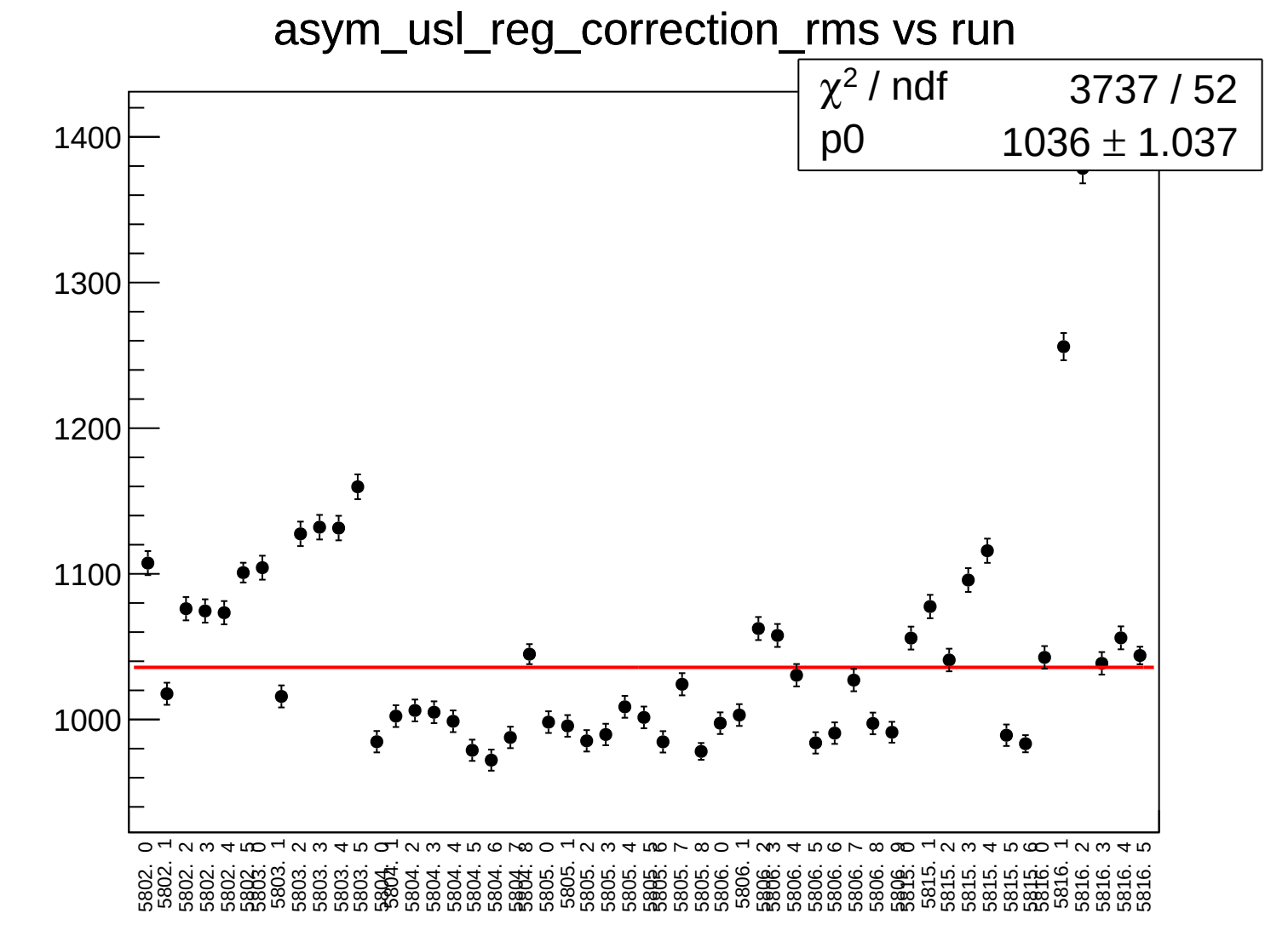

reg_asym_usl_mean vs run
χ² / ndf 50.2 / 52
p0 2204 ± 1543
pull
Entries 53
Mean 57.22
Std Dev 0

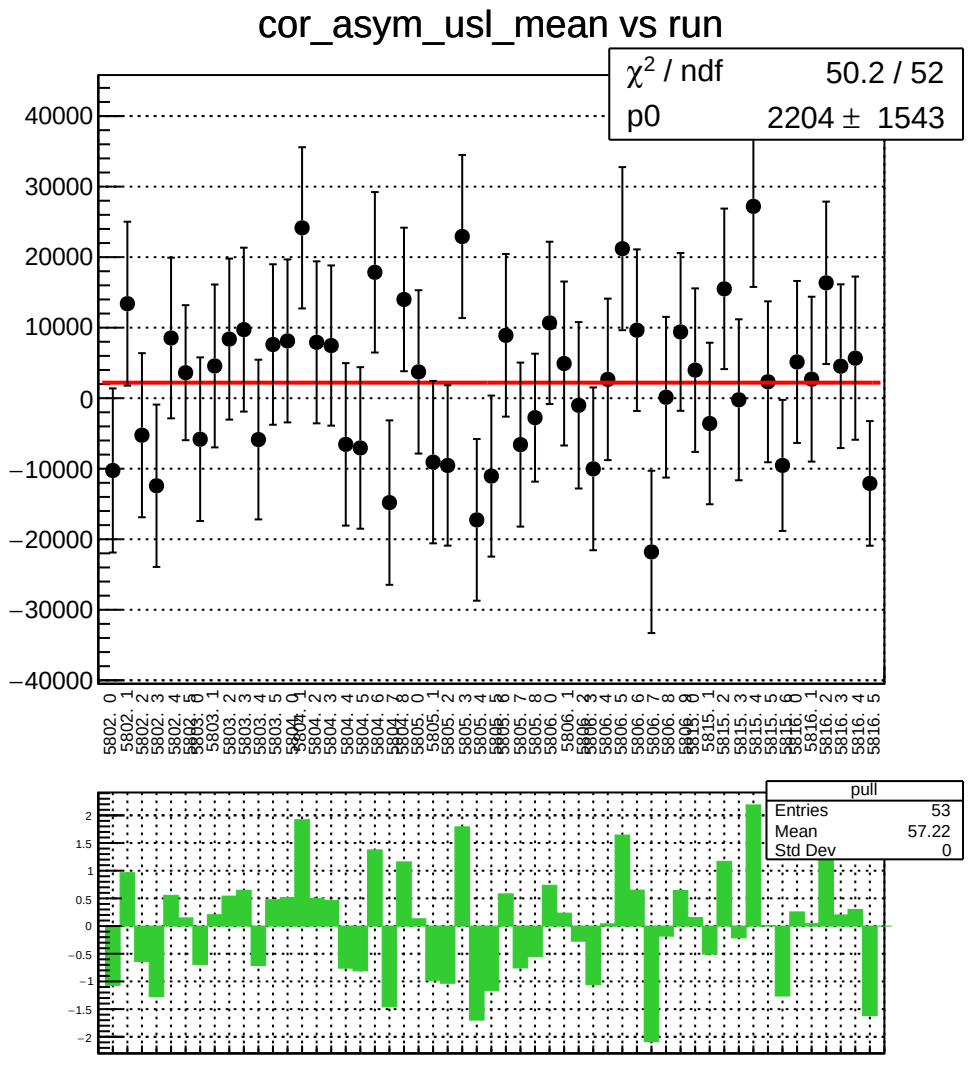

pull1D
Entries 53
Mean 0.01292
Std Dev 0.9731

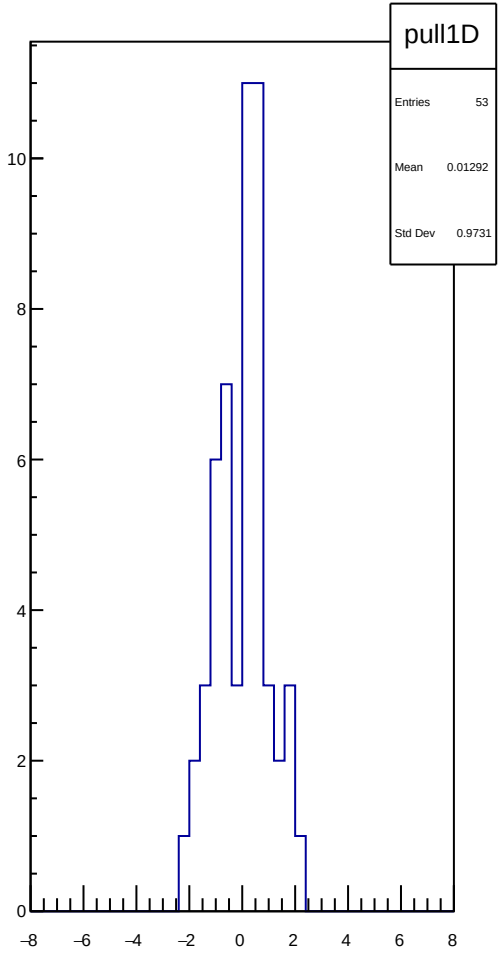

reg_asym_usl_rms vs run
χ^2 / ndf 69.54 / 52
p0 1092 ± 1.091
1130
1120
1110
1100
1090
1080
1070
1060

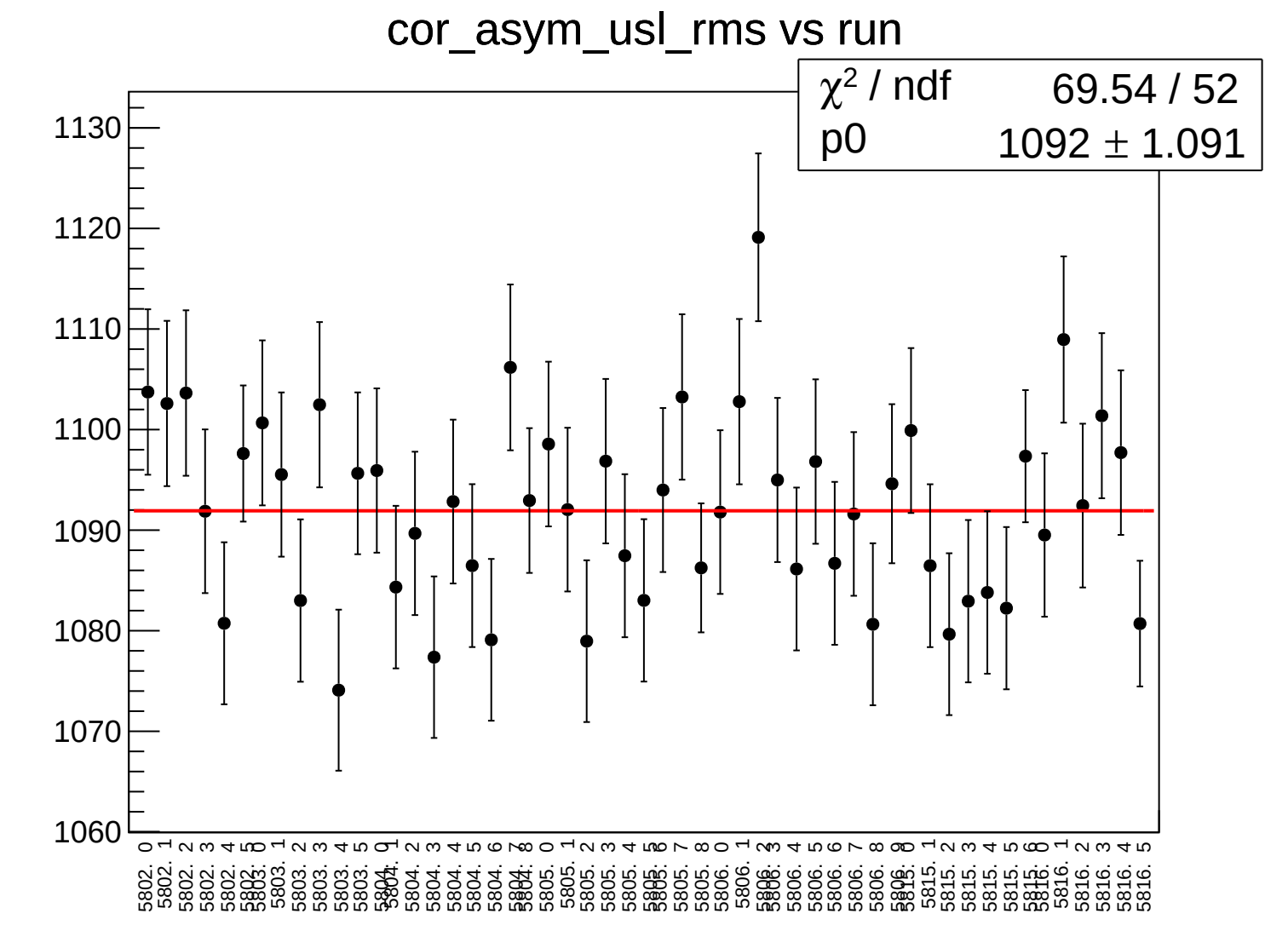

asym_usl_reg_correction_mean vs run
χ² / ndf 60.04 / 52
p0 −760.5 ± 1466
pull
Entries 53
Mean −45.34
Std Dev 0

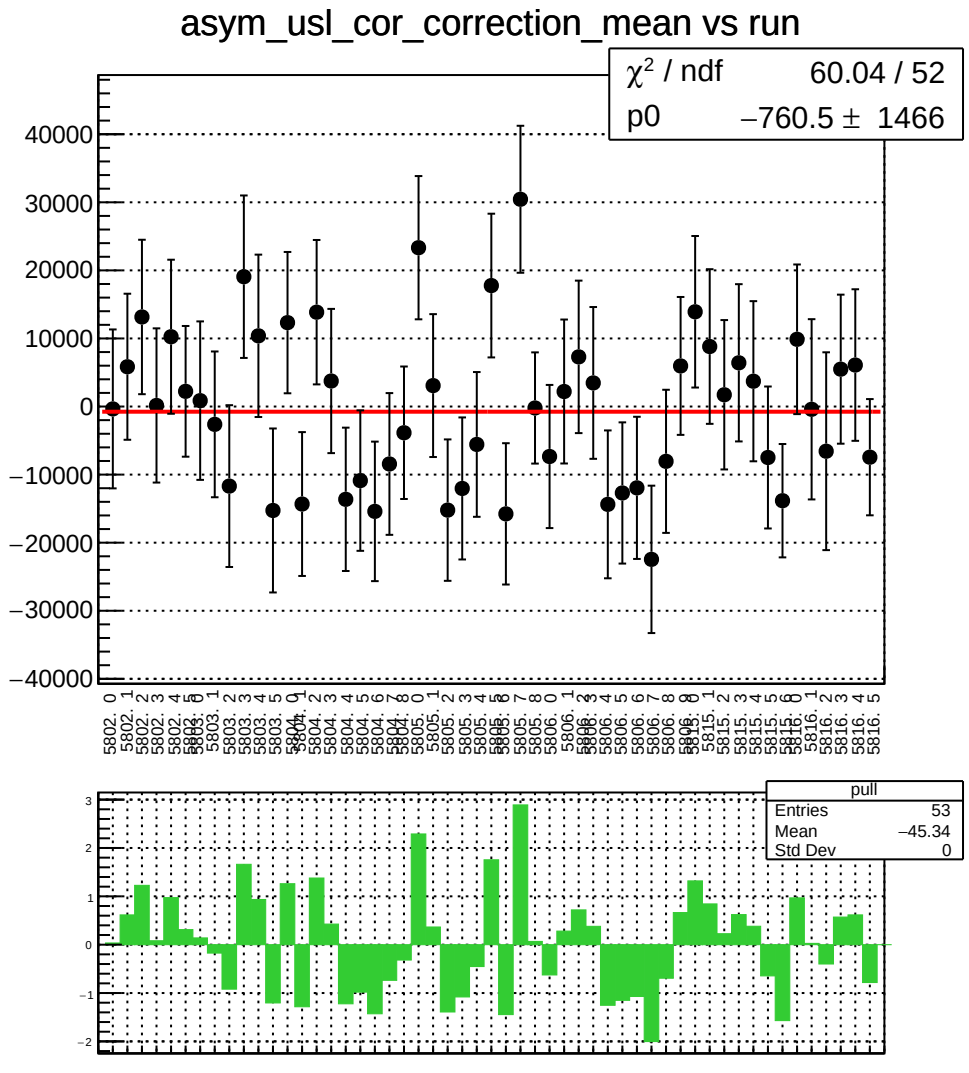

pull1D
Entries 53
Mean 0.02255
Std Dev 1.064

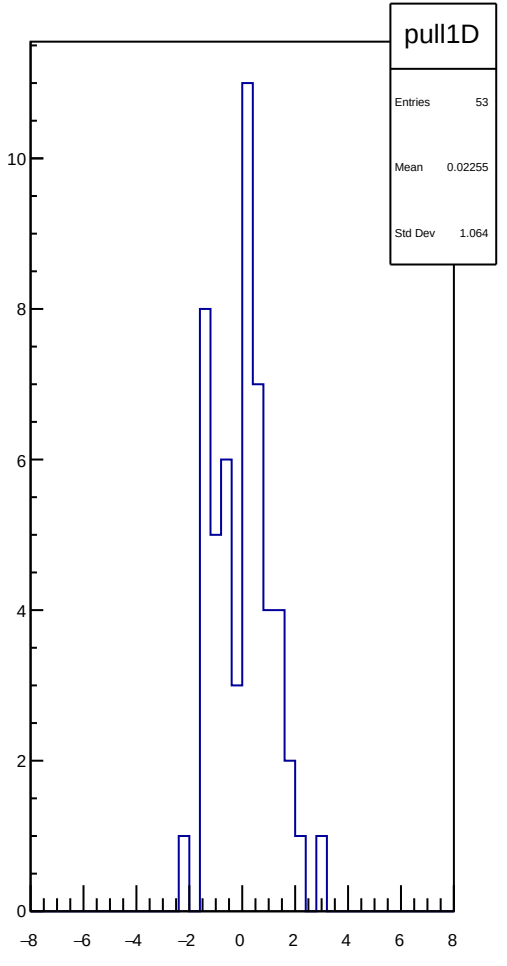

asym_usl_reg_correction_rms vs run
χ² / ndf 3737 / 52
p0 1036 ± 1.037
1400
1300
1200
1100
1000

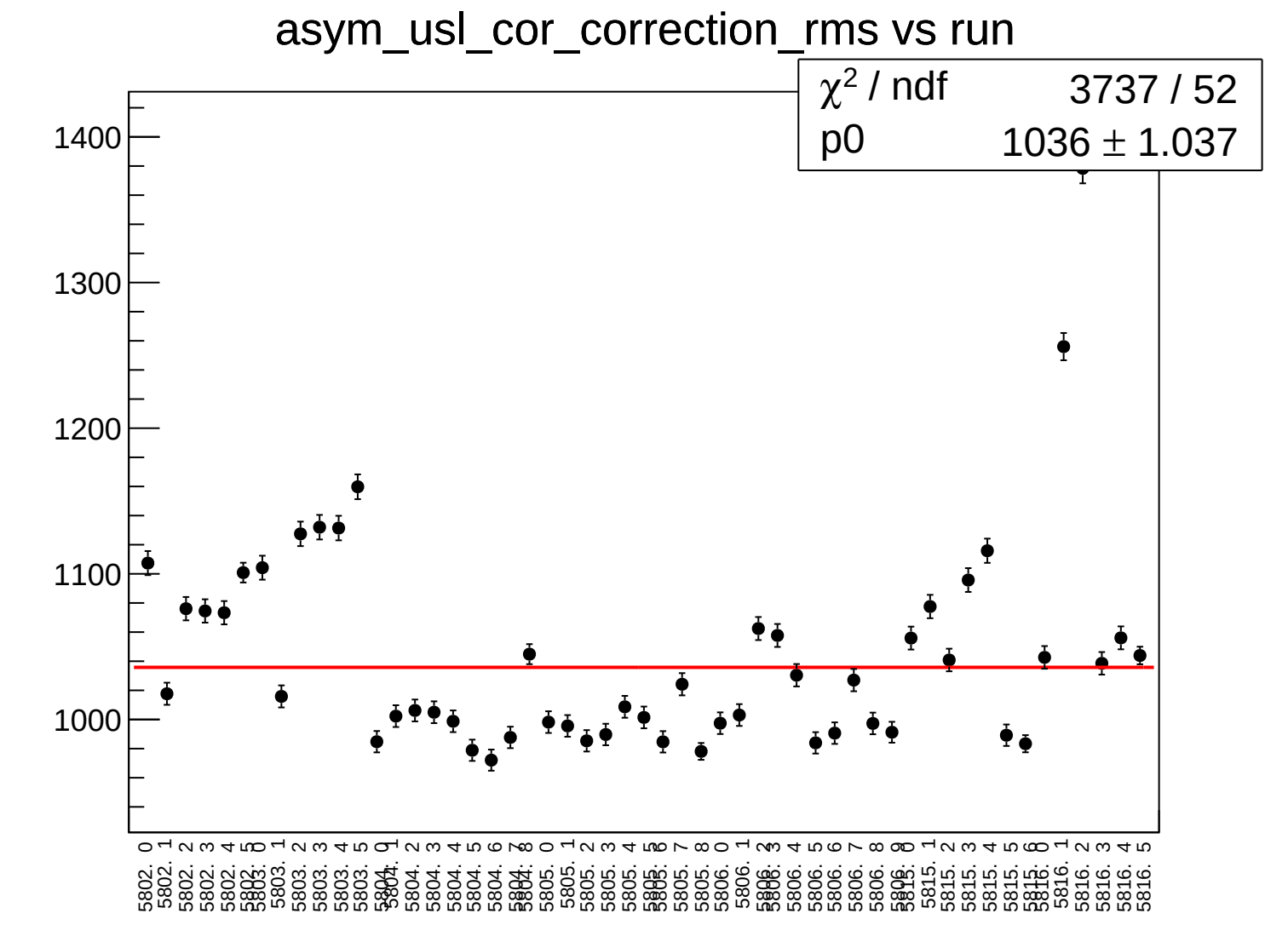

cor_asym_usl_mean vs run
χ² / ndf 50.2 / 52
p0 2204 ± 1543
pull
Entries 53
Mean 57.22
Std Dev 0


pull1D
Entries 53
Mean 0.01292
Std Dev 0.9731


cor_asym_usl_rms vs run
χ^2 / ndf 69.54 / 52
p0 1092 ± 1.091
1130
1120
1110
1100
1090
1080
1070
1060


asym_usl_cor_correction_mean vs run
χ² / ndf 60.04 / 52
p0 −760.5 ± 1466
pull
Entries 53
Mean −45.34
Std Dev 0


pull1D
Entries 53
Mean 0.02255
Std Dev 1.064


asym_usl_cor_correction_rms vs run
χ² / ndf 3737 / 52
p0 1036 ± 1.037
1400
1300
1200
1100
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
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5815. 1
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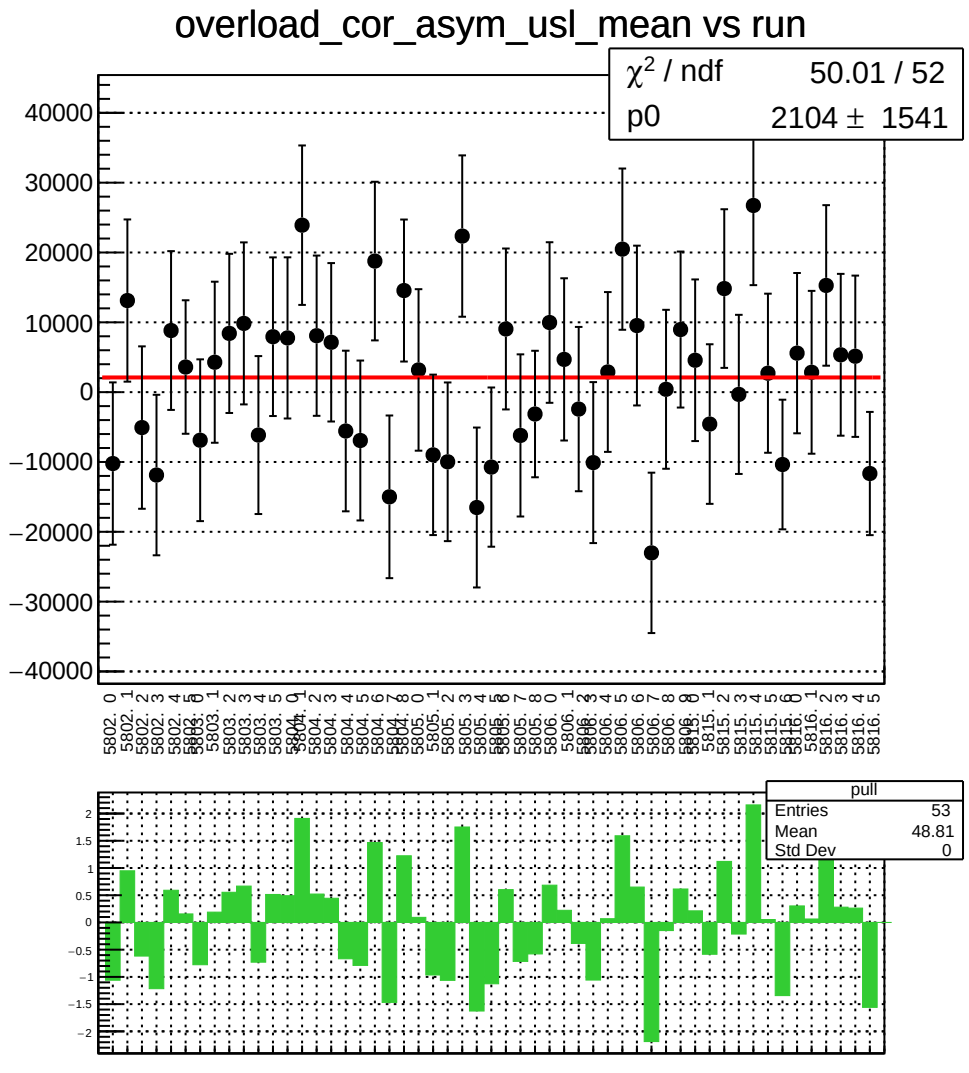
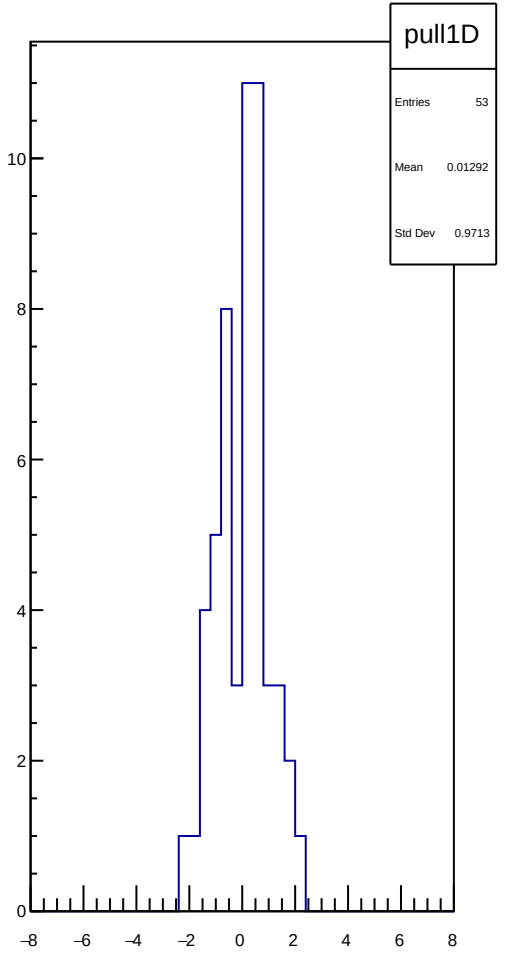
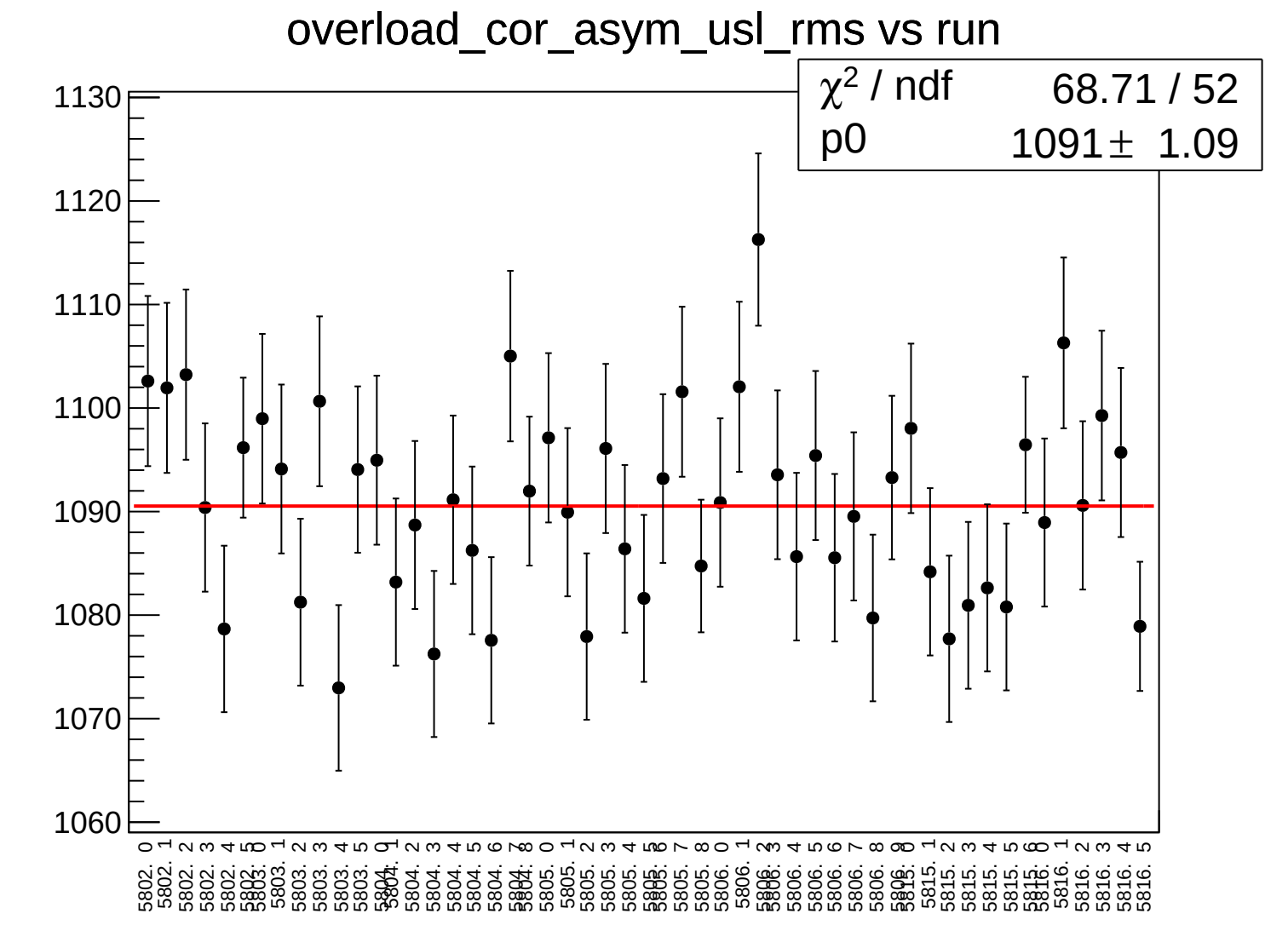
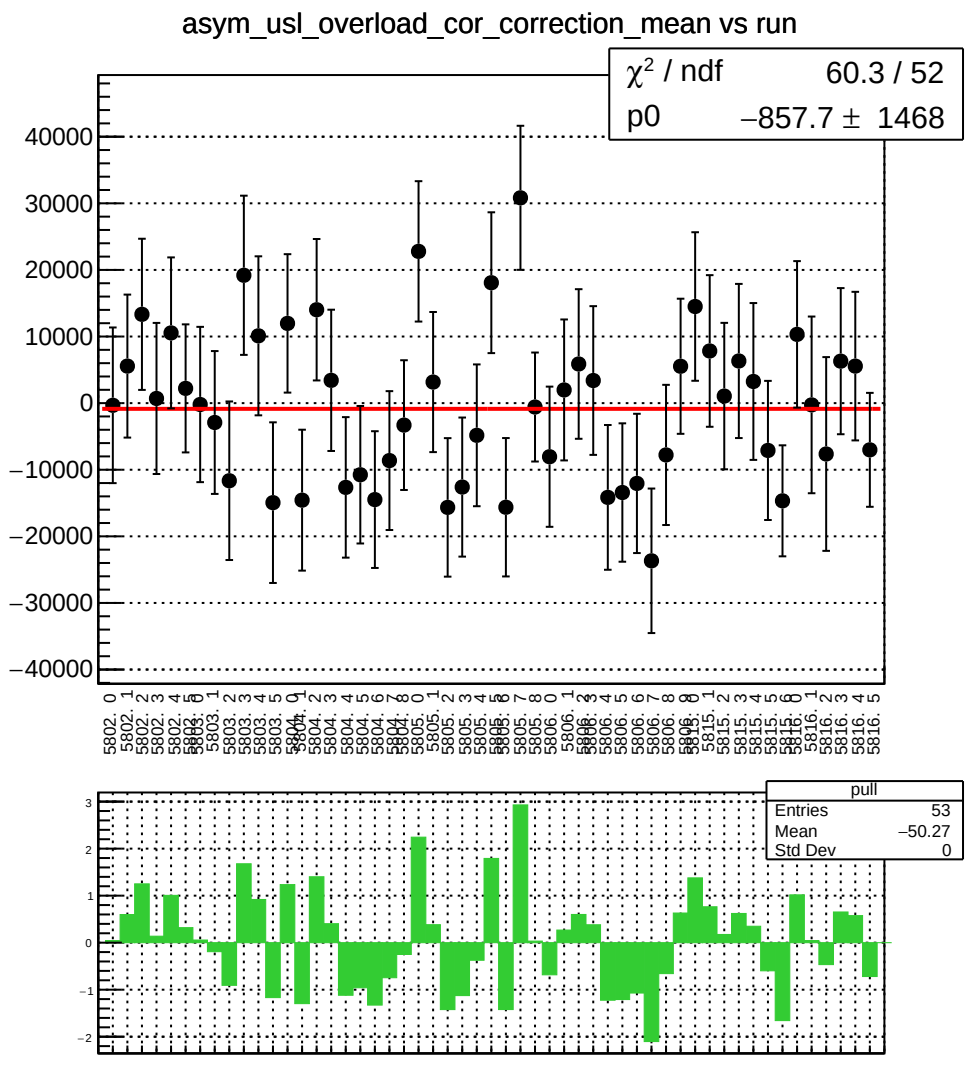
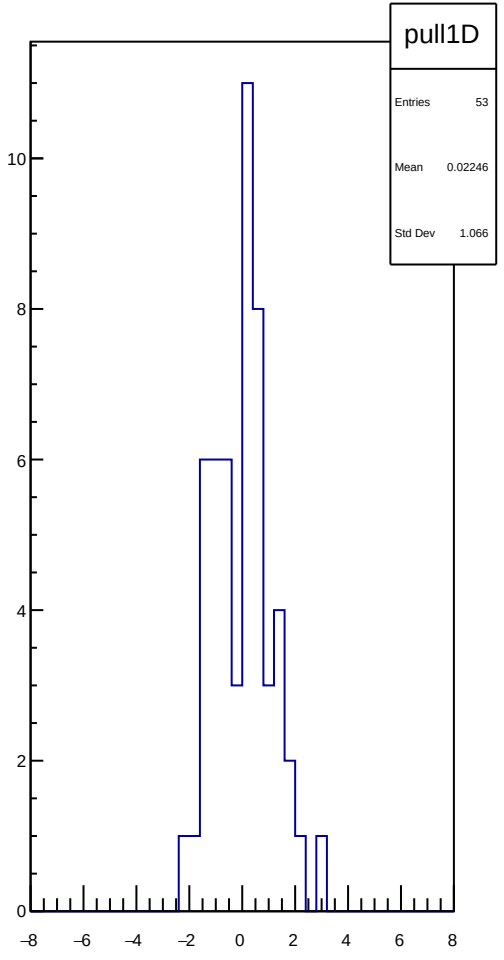
5816. 4
5816. 5

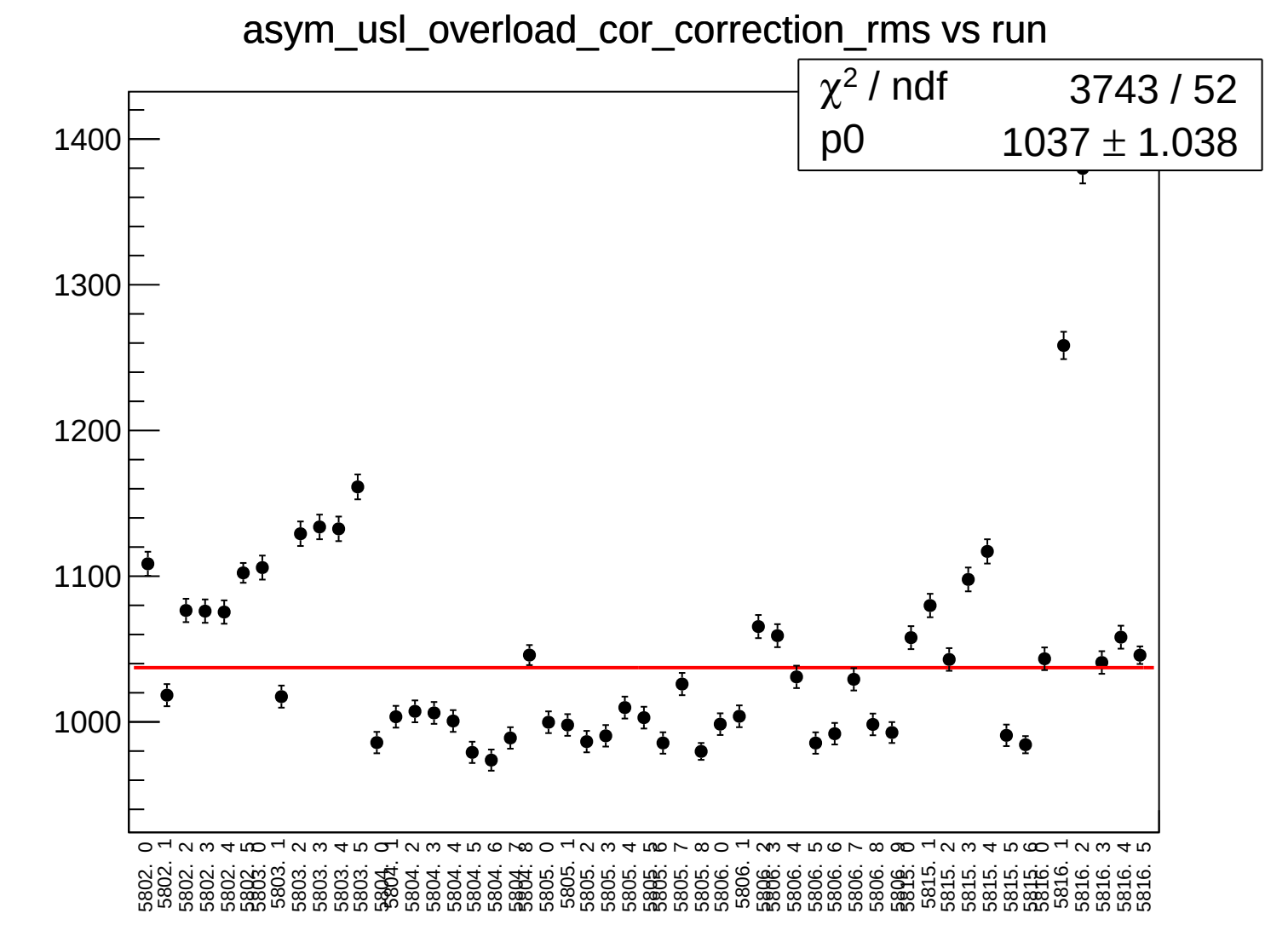

overload_cor_asym_usl_mean vs run
χ² / ndf 50.01 / 52
p0 2104 ± 1541
pull
Entries 53
Mean 48.81
Std Dev 0

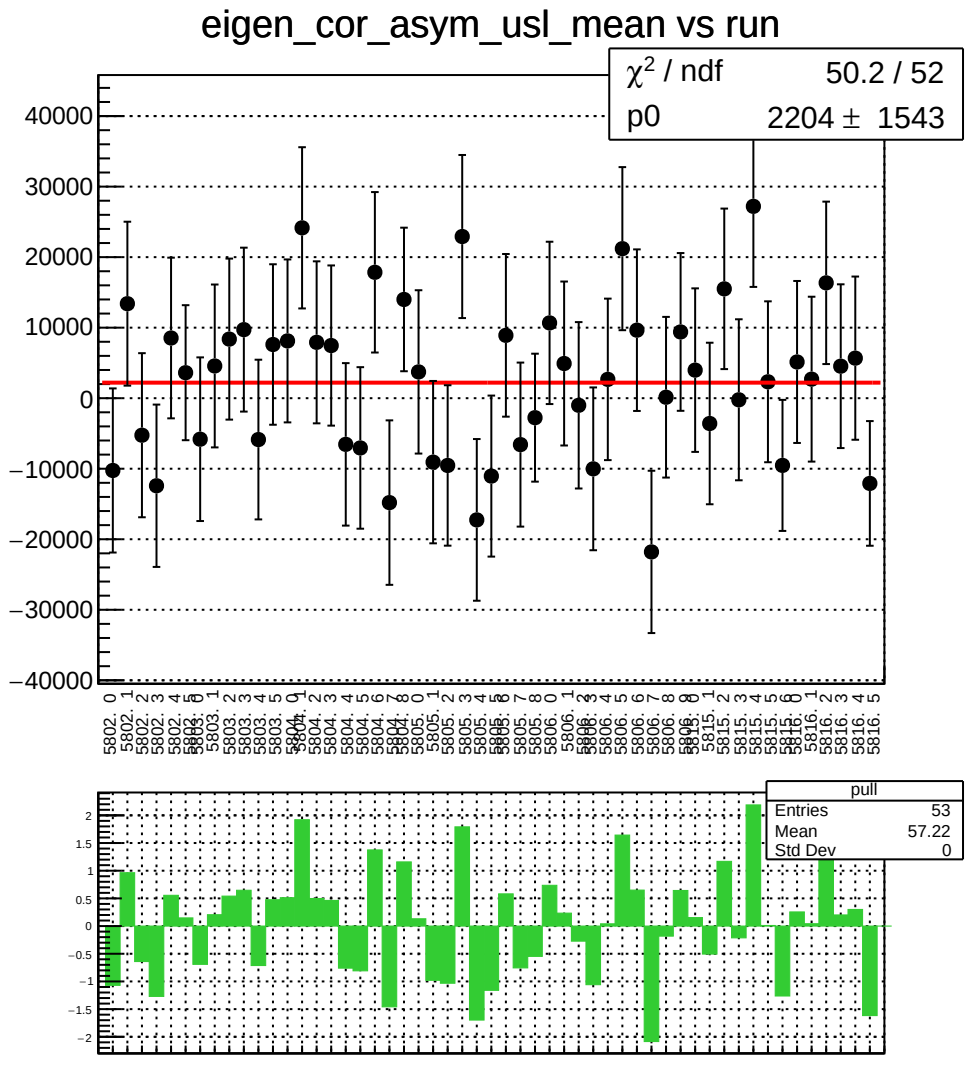

pull1D
Entries 53
Mean 0.01292
Std Dev 0.9713

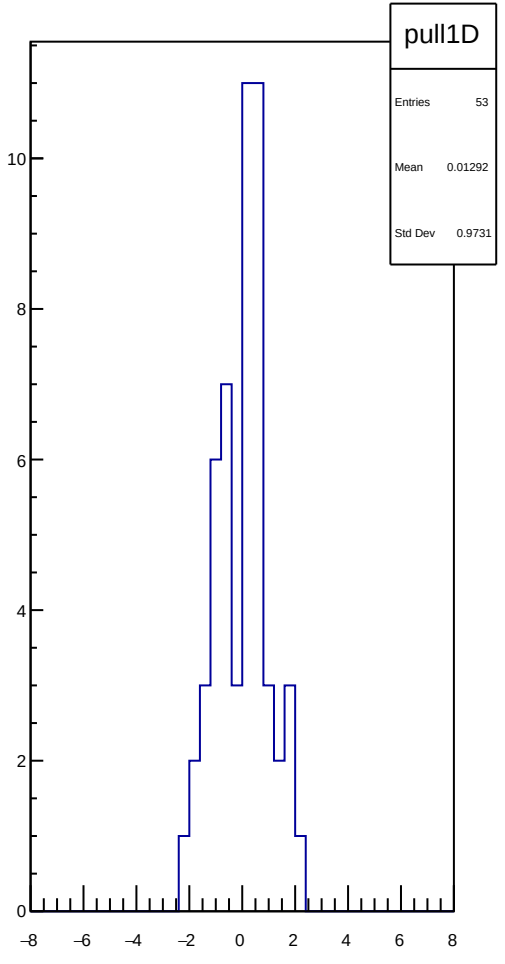

overload_cor_asym_usl_rms vs run
χ² / ndf 68.71 / 52
p0 1091 ± 1.09
1130
1120
1110
1100
1090
1080
1070
1060

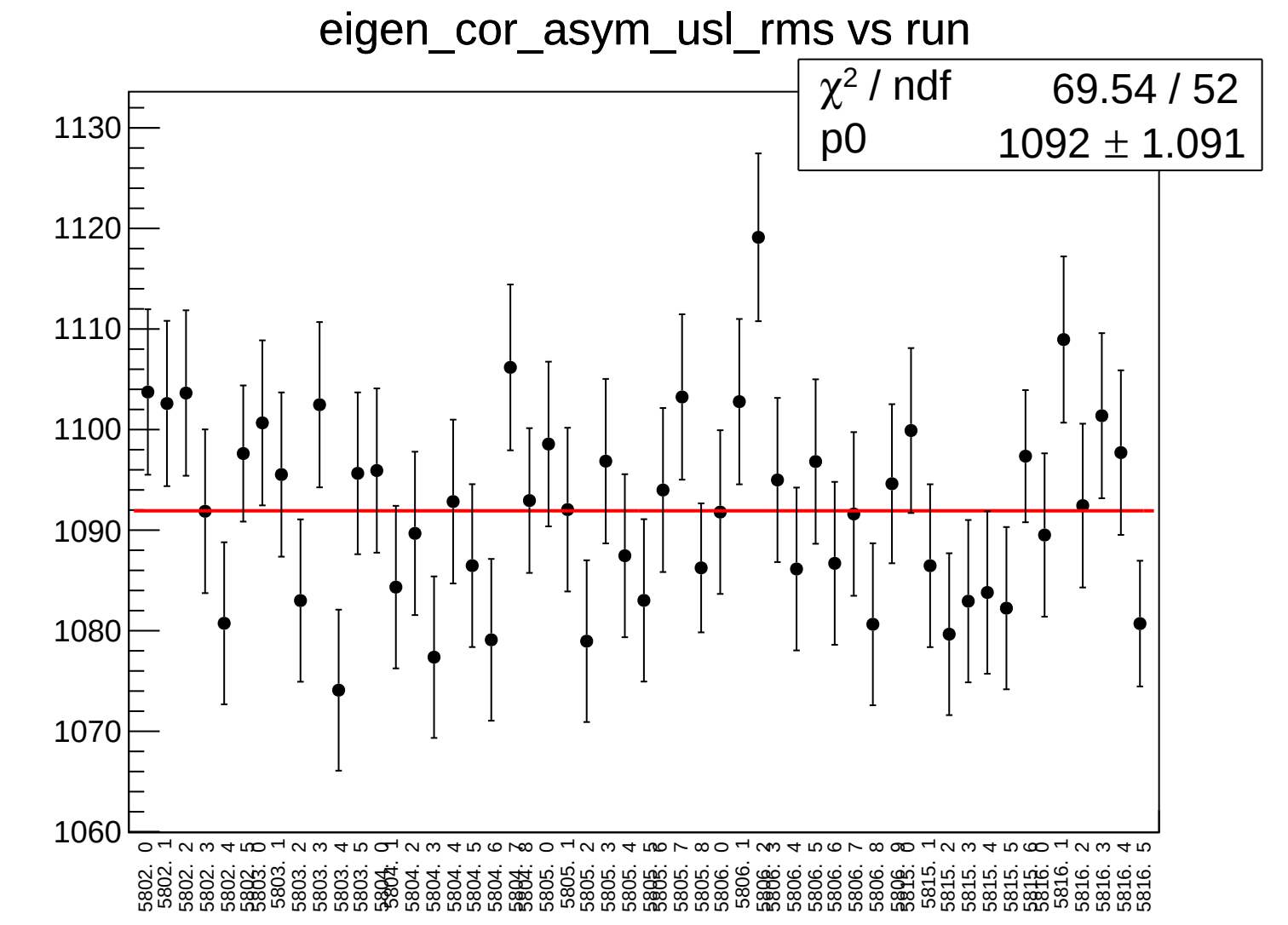

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 60.3 / 52
p0 −857.7 ± 1468
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −50.27
Std Dev 0
3
2
1
0
−1
−2

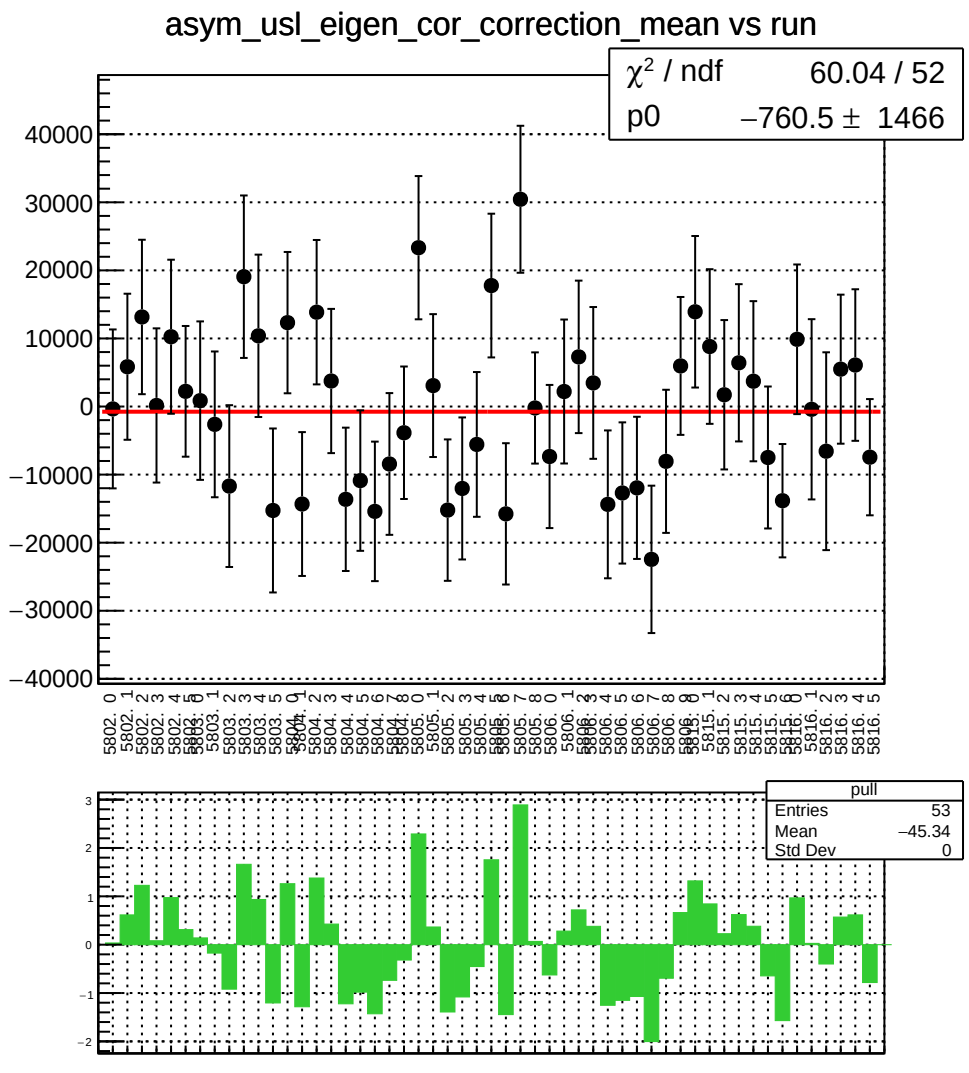

pull1D
Entries 53
Mean 0.02246
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

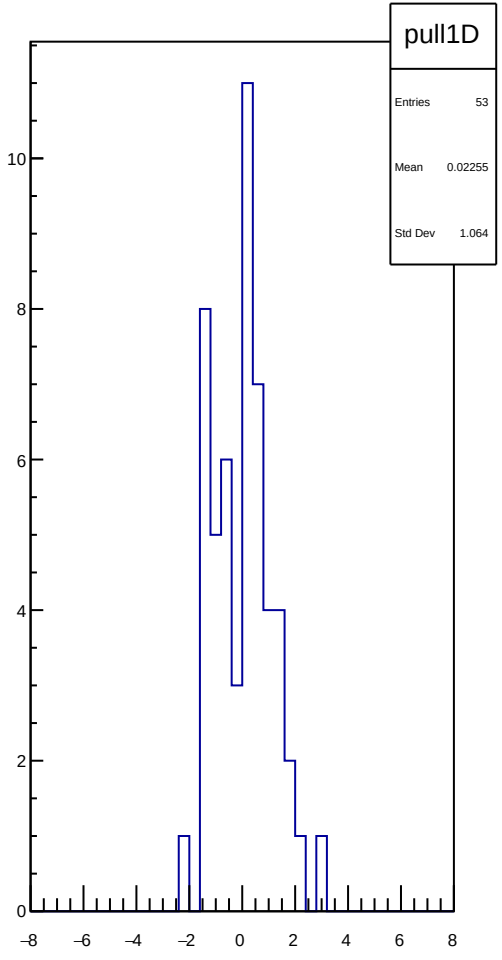

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 3743 / 52
p0 1037 ± 1.038
1400
1300
1200
1100
1000

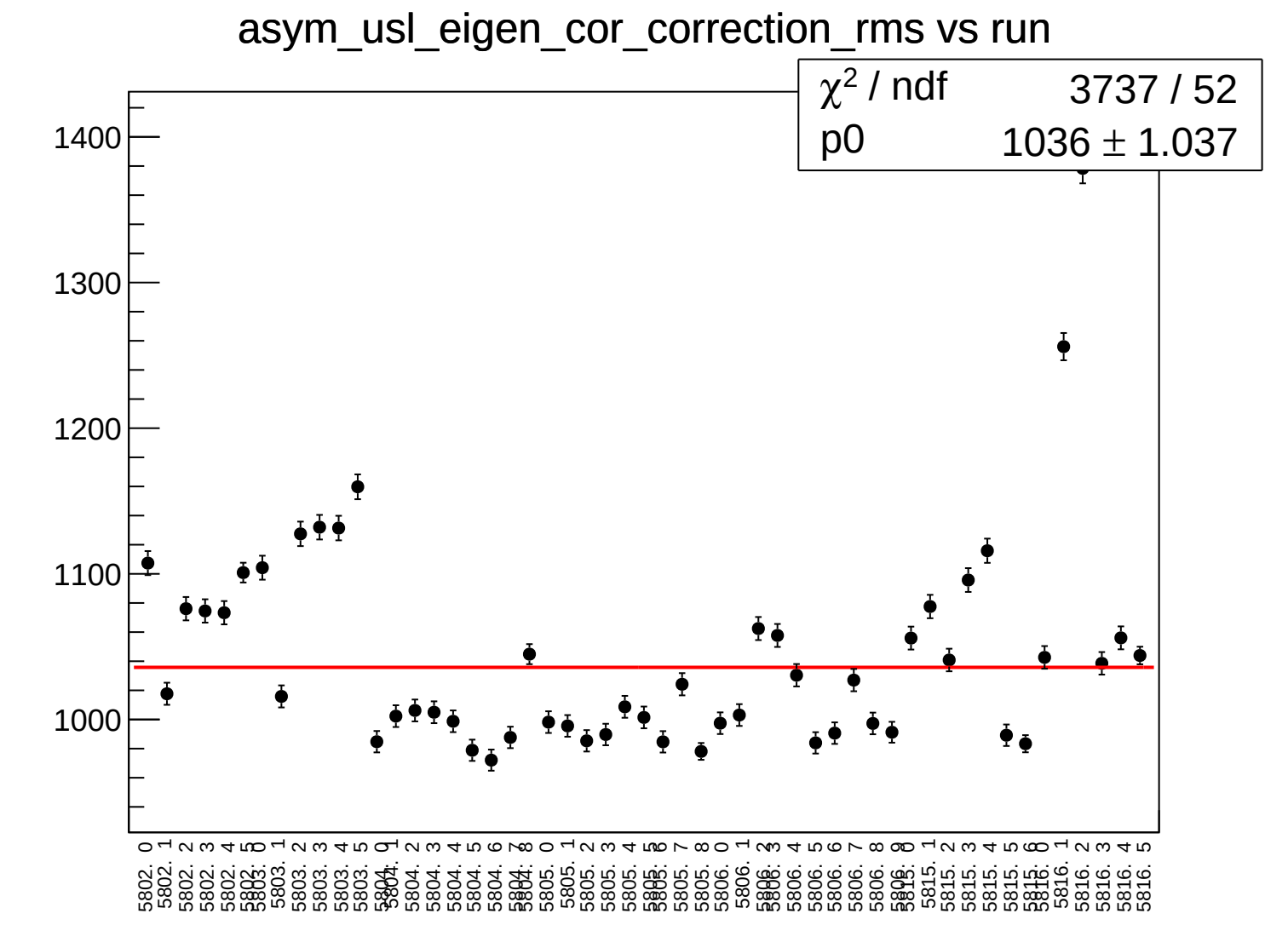

eigen_cor_asym_usl_mean vs run
χ² / ndf 50.2 / 52
p0 2204 ± 1543
pull
Entries 53
Mean 57.22
Std Dev 0

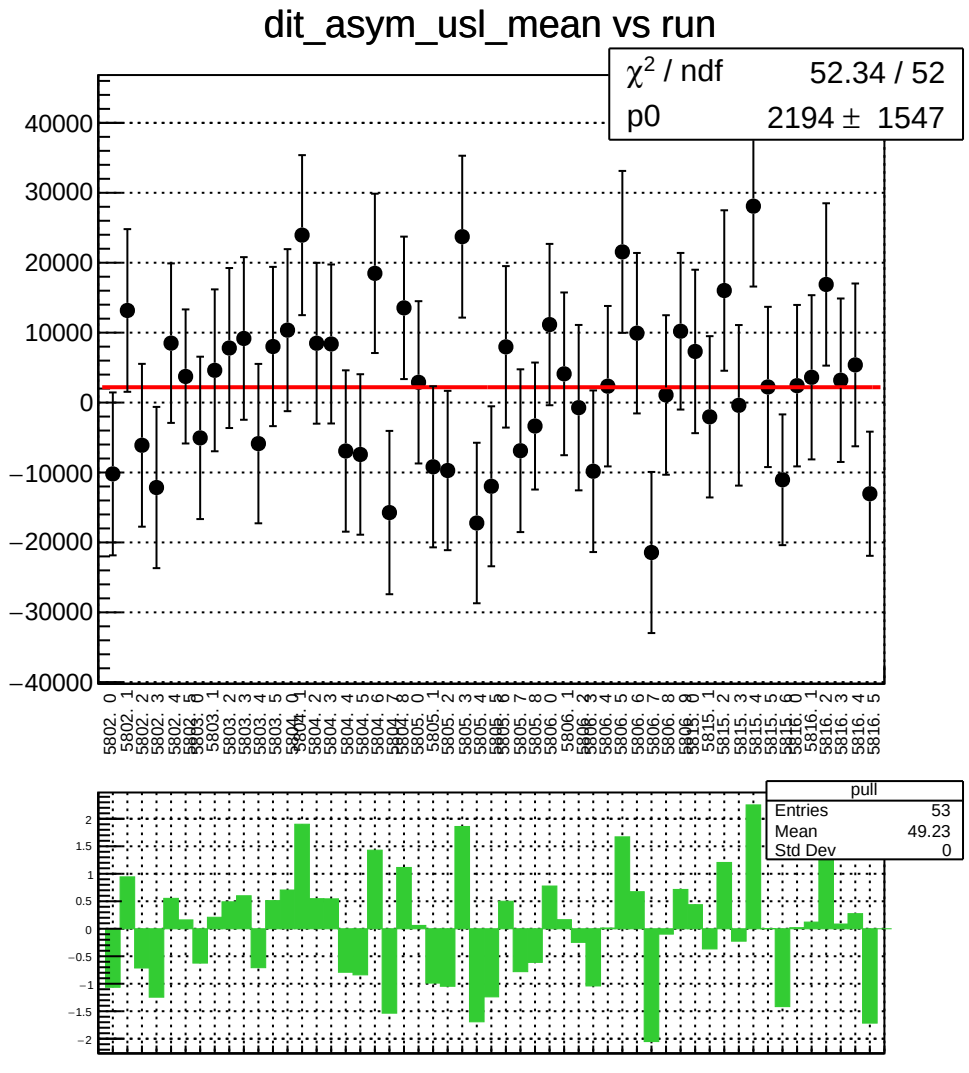

pull1D
Entries 53
Mean 0.01292
Std Dev 0.9731

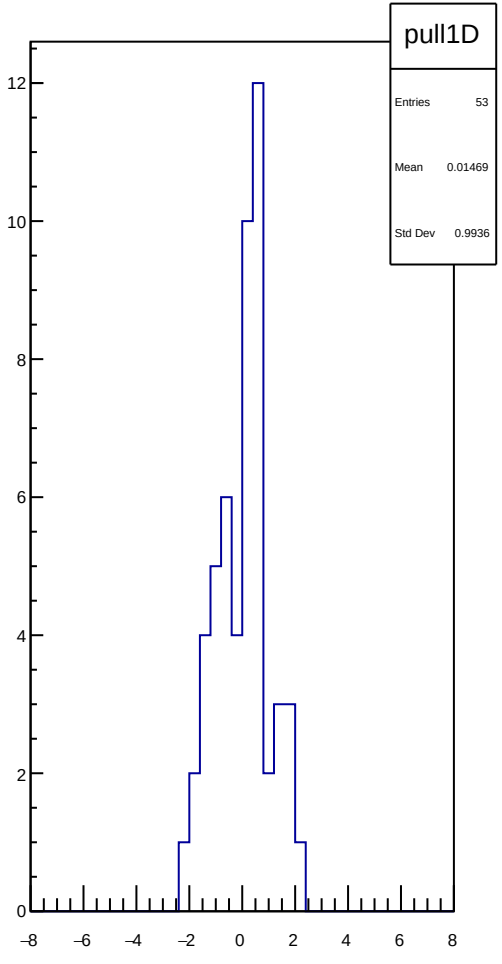

eigen_cor_asym_usl_rms vs run
χ² / ndf 69.54 / 52
p0 1092 ± 1.091
1130
1120
1110
1100
1090
1080
1070
1060

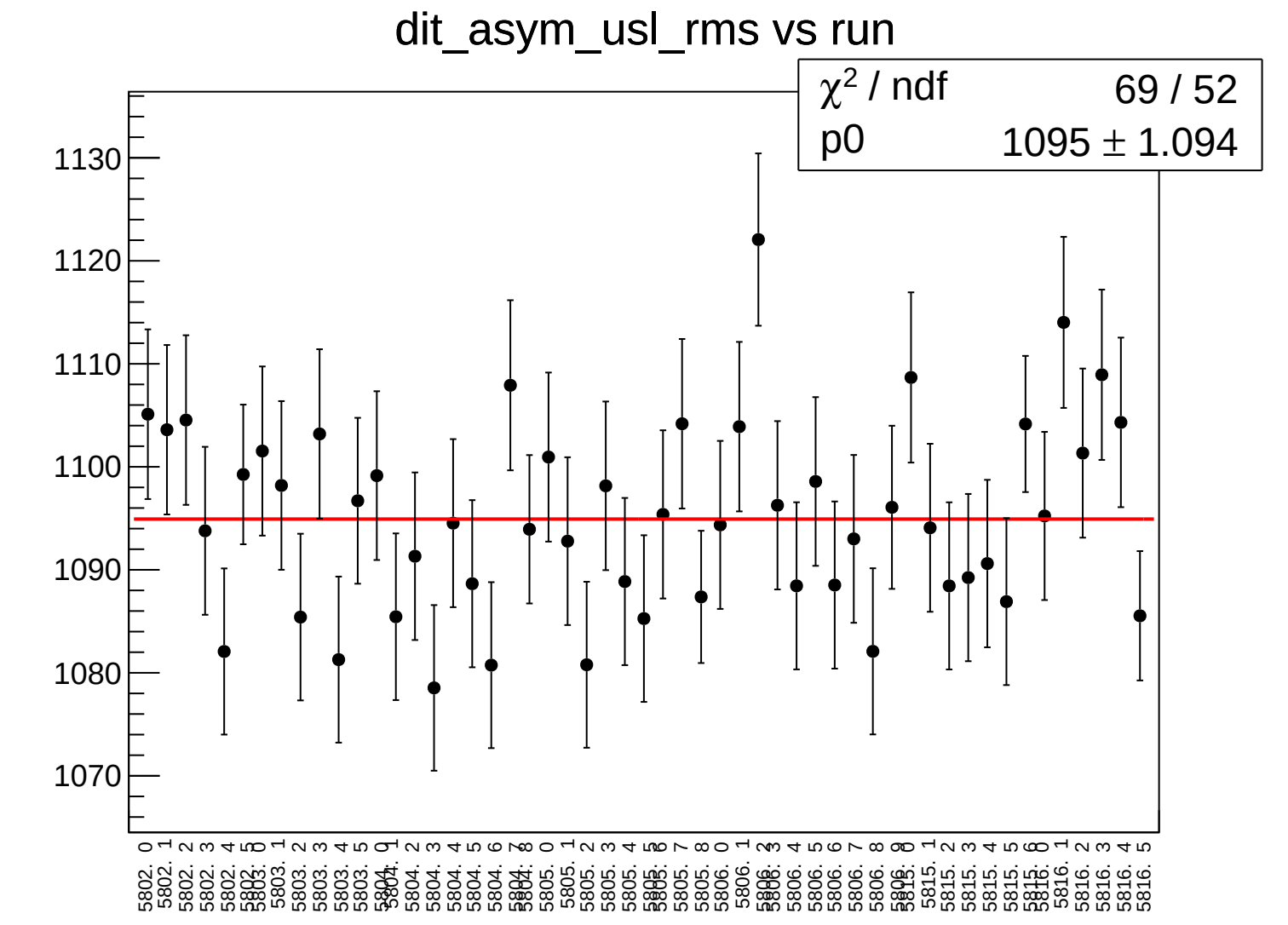

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 60.04 / 52
p0 −760.5 ± 1466
pull
Entries 53
Mean −45.34
Std Dev 0

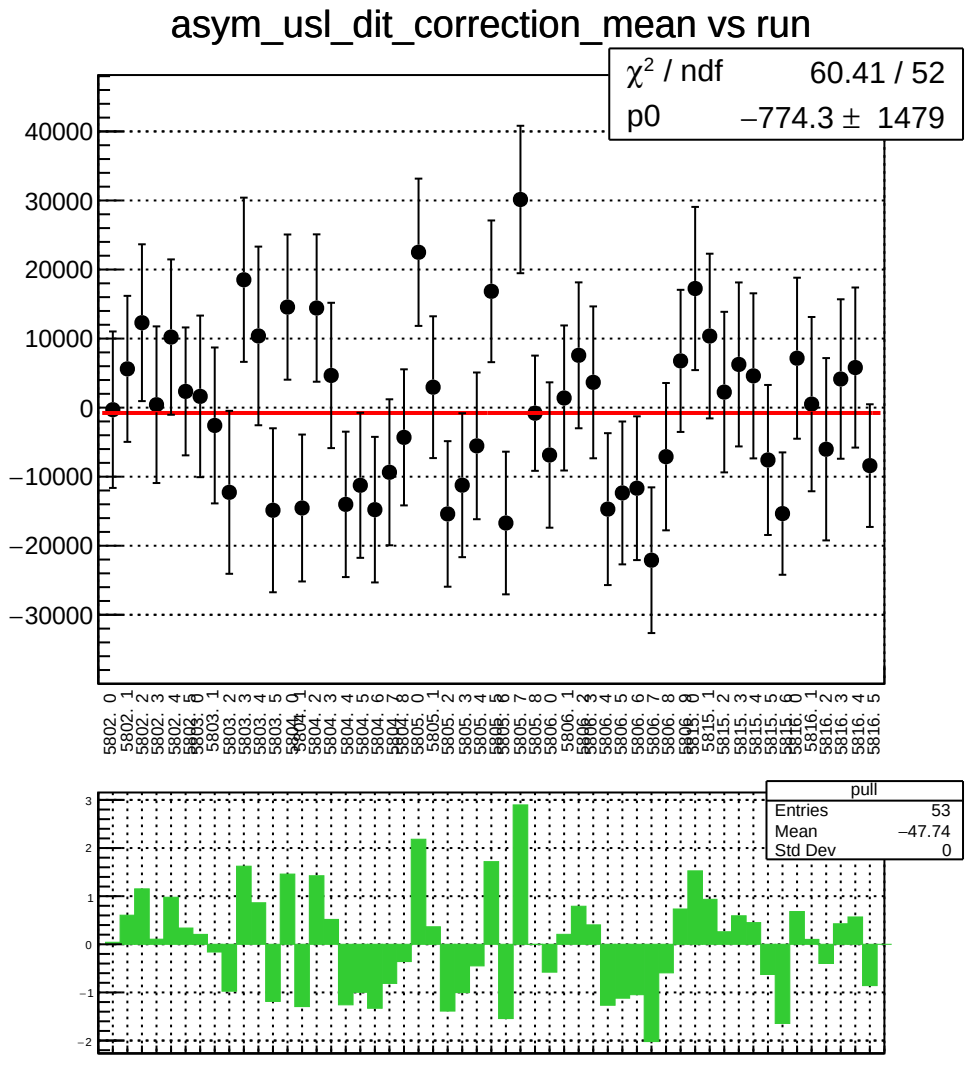

pull1D
Entries 53
Mean 0.02255
Std Dev 1.064

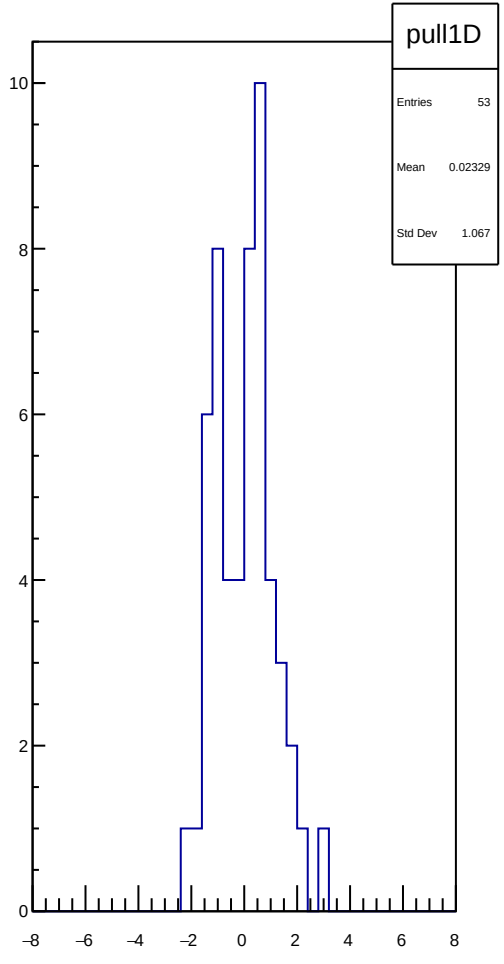

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 3737 / 52
p0 1036 ± 1.037
1400
1300
1200
1100
1000

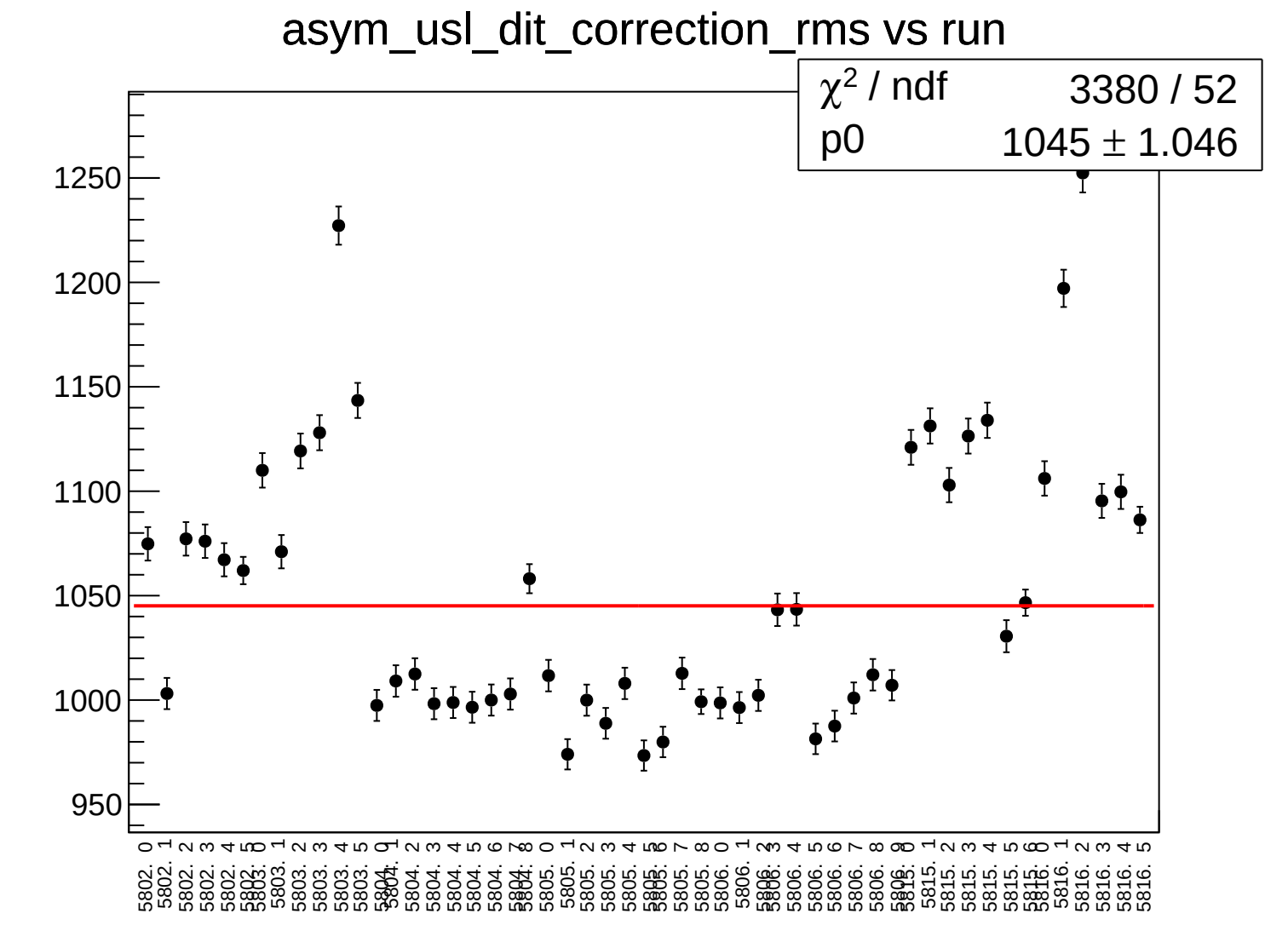

dit_asym_usl_mean vs run
χ² / ndf 52.34 / 52
p0 2194 ± 1547
pull
Entries 53
Mean 49.23
Std Dev 0

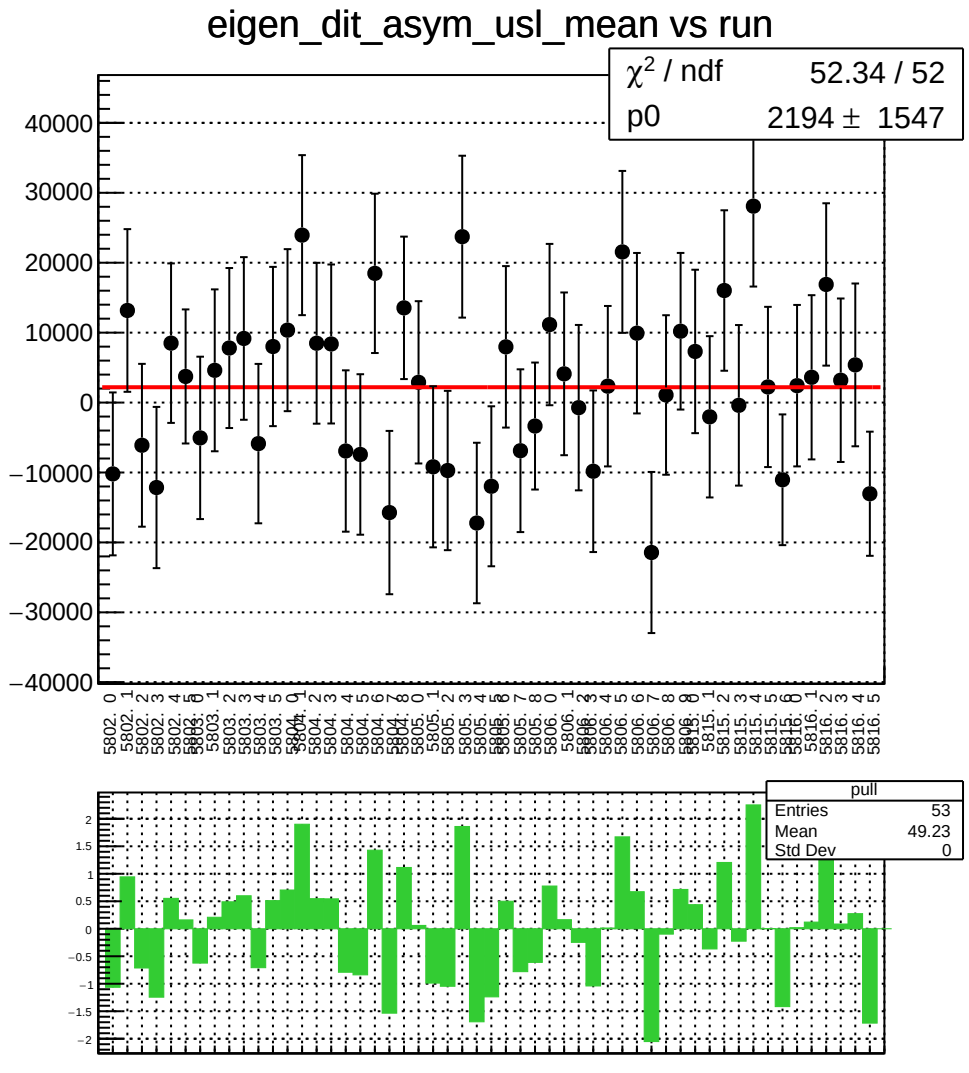

pull1D
Entries 53
Mean 0.01469
Std Dev 0.9936

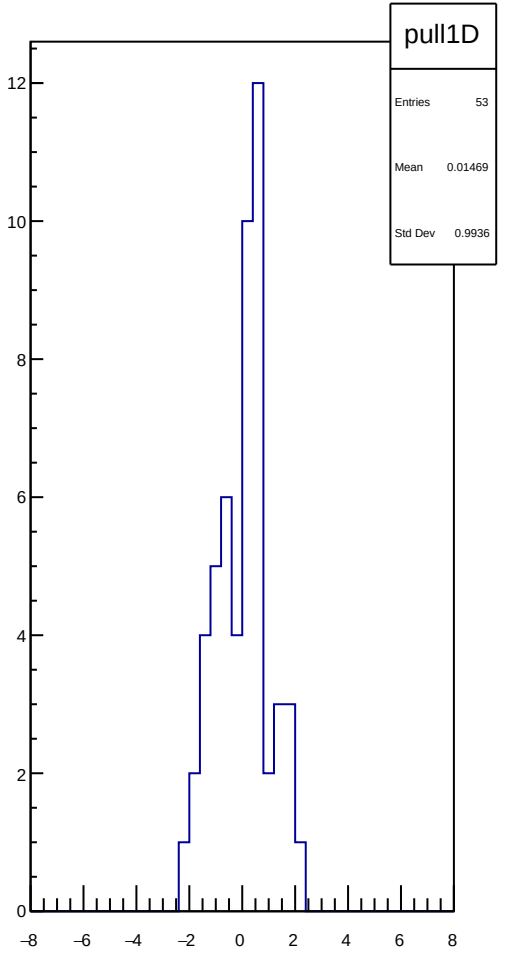

dit_asym_usl_rms vs run
χ^2 / ndf 69 / 52
p0 1095 ± 1.094
1130
1120
1110
1100
1090
1080
1070
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

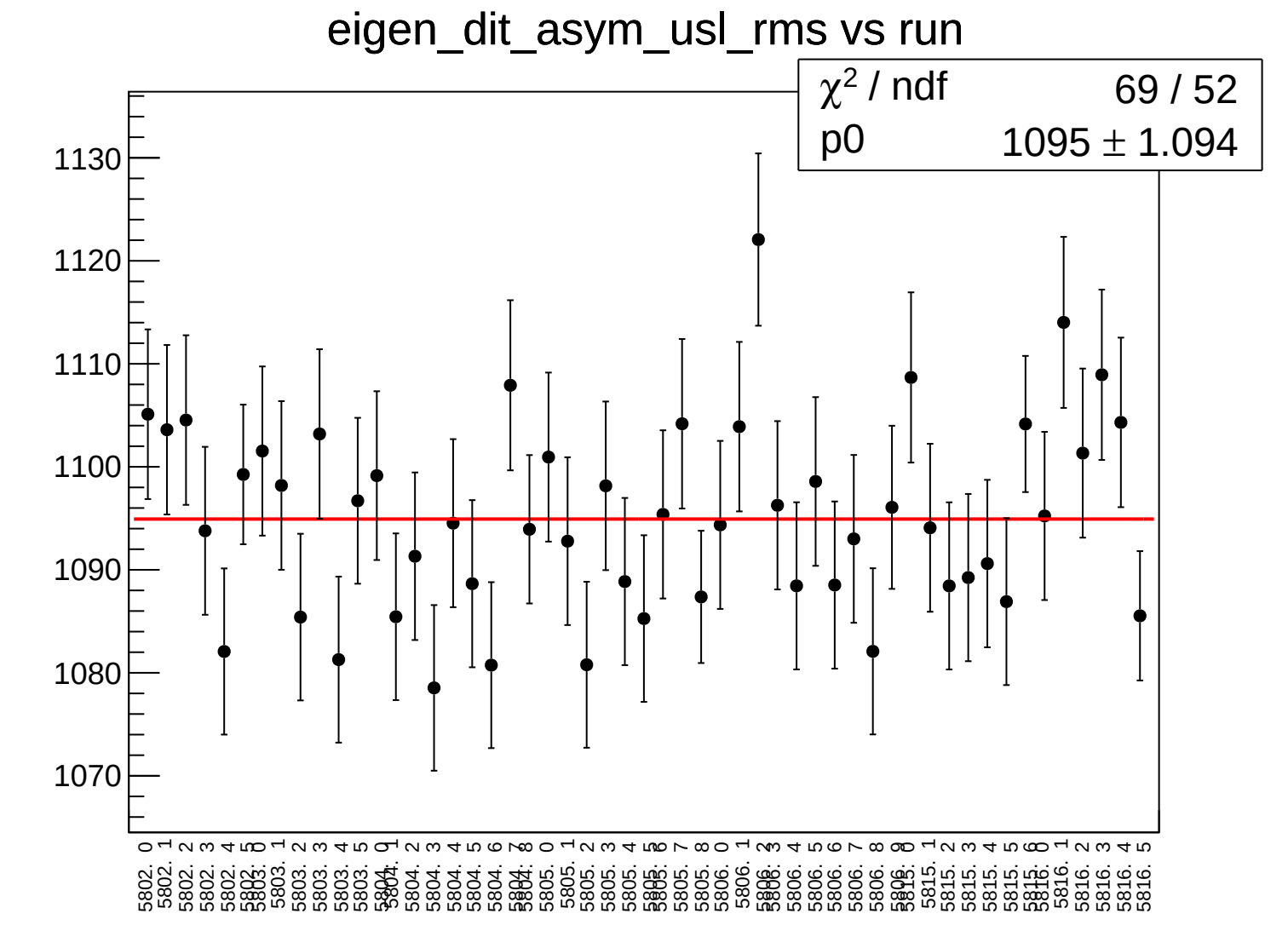

asym_usl_dit_correction_mean vs run
χ² / ndf 60.41 / 52
p0 −774.3 ± 1479
pull
Entries 53
Mean −47.74
Std Dev 0

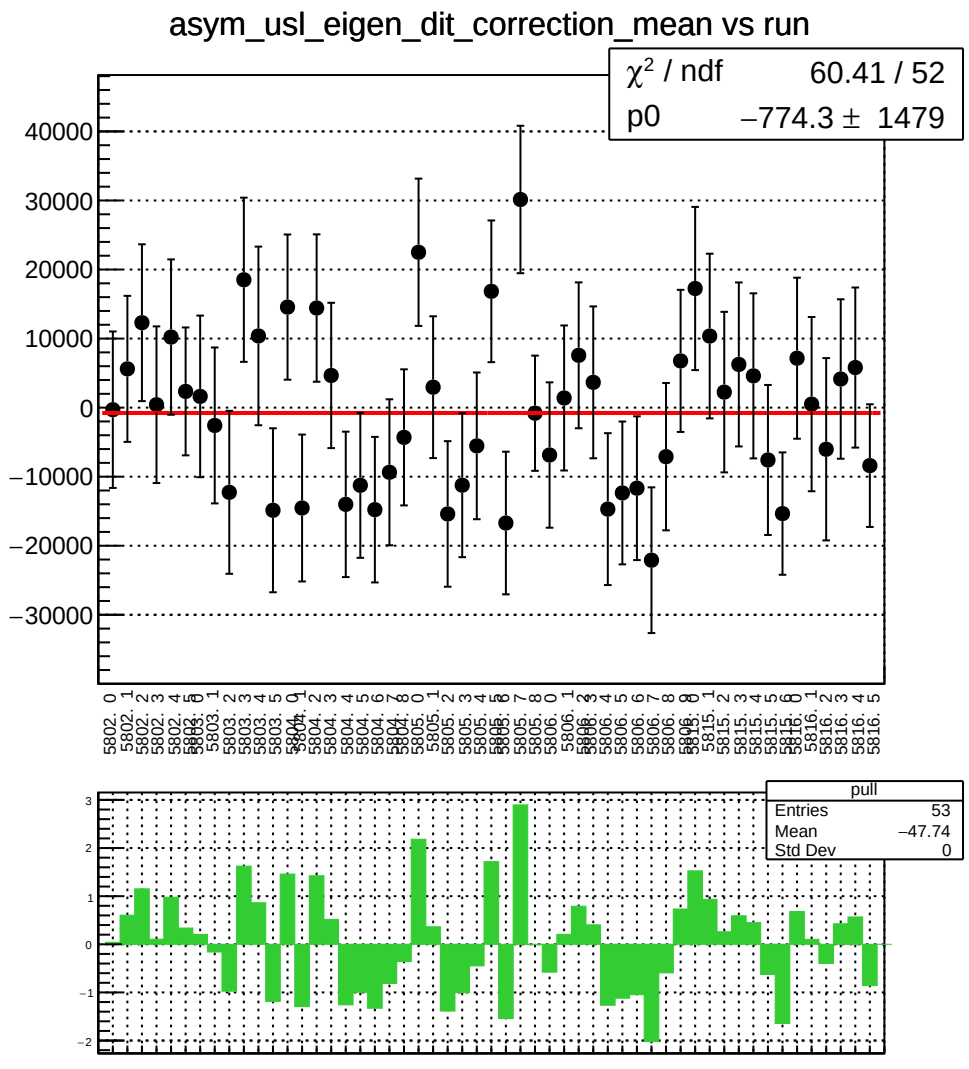

pull1D
Entries 53
Mean 0.02329
Std Dev 1.067

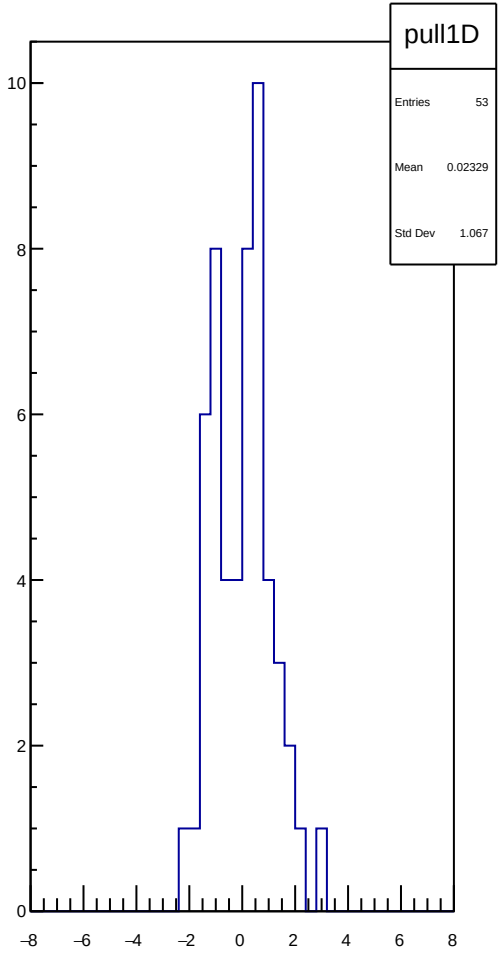

asym_usl_dit_correction_rms vs run
χ² / ndf 3380 / 52
p0 1045 ± 1.046
1250
1200
1150
1100
1050
1000
950

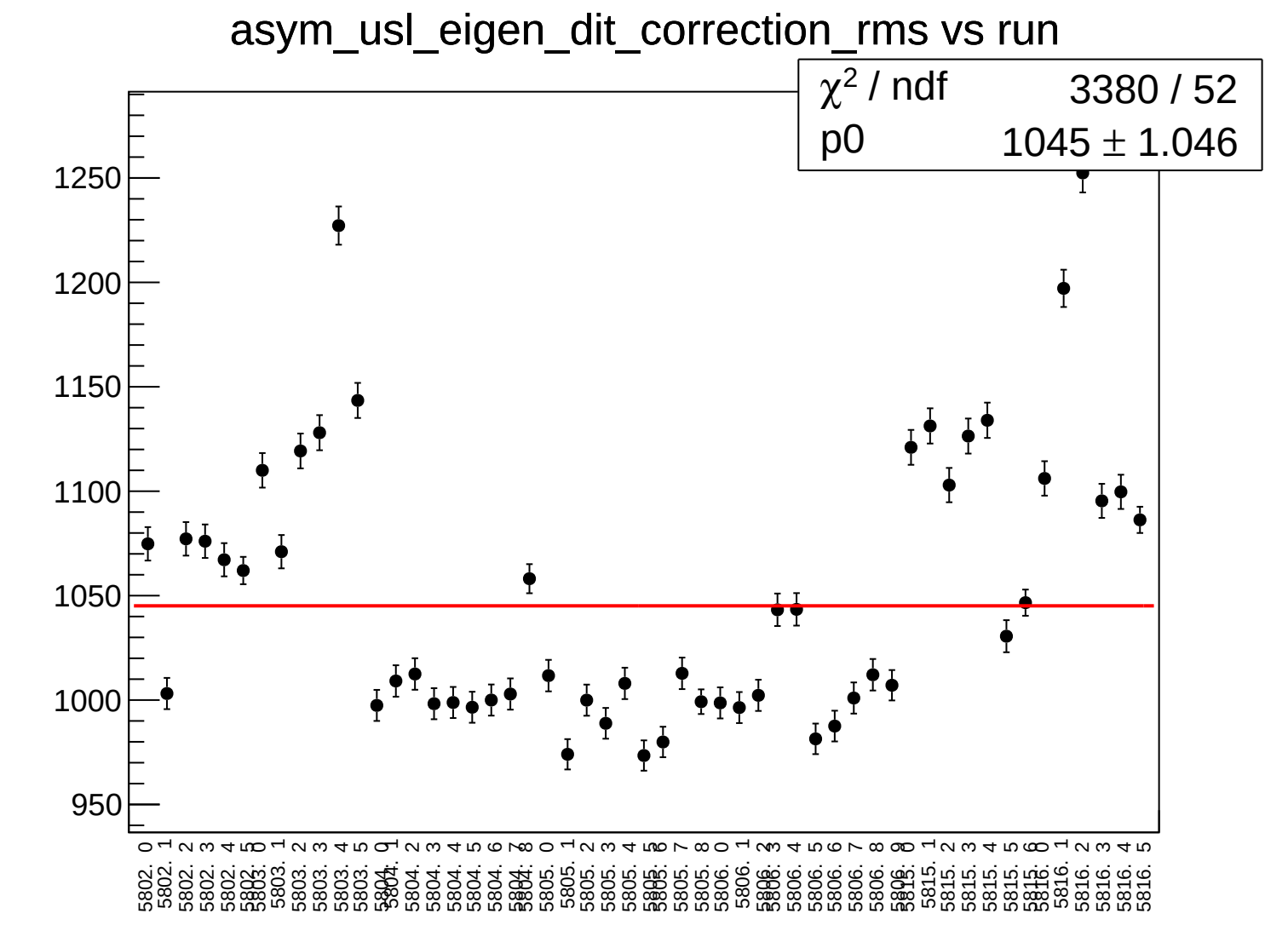

eigen_dit_asym_usl_mean vs run
χ² / ndf 52.34 / 52
p0 2194 ± 1547
pull
Entries 53
Mean 49.23
Std Dev 0

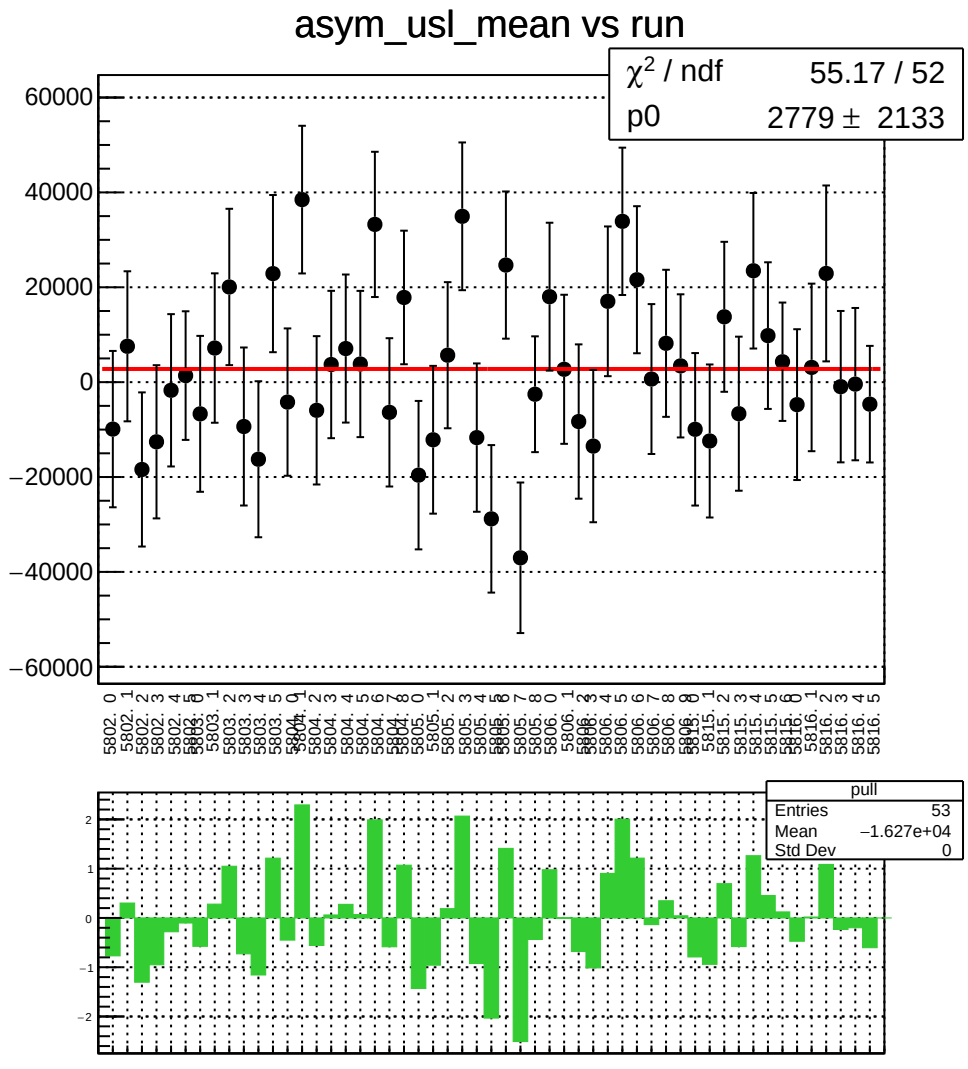

pull1D
Entries 53
Mean 0.01469
Std Dev 0.9936

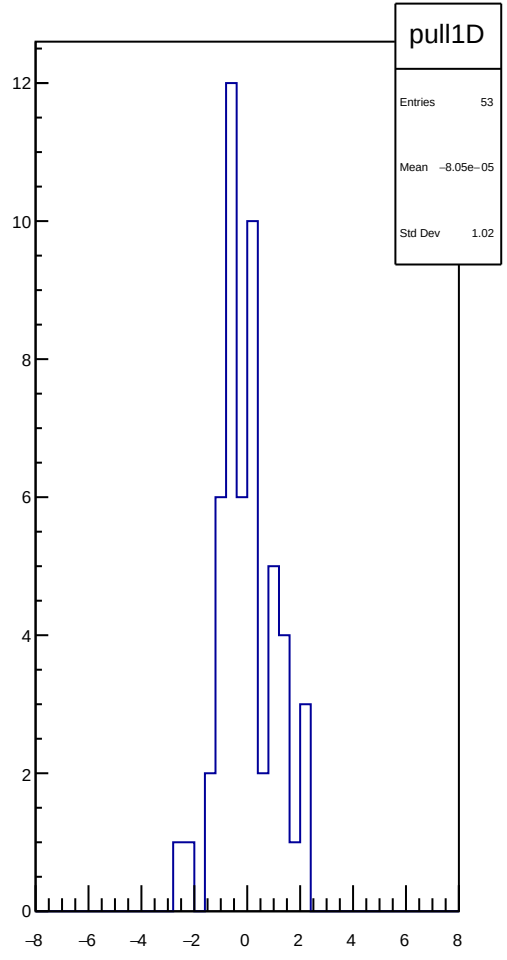

eigen_dit_asym_usl_rms vs run
χ^2 / ndf 69 / 52
p0 1095 ± 1.094
1130
1120
1110
1100
1090
1080
1070

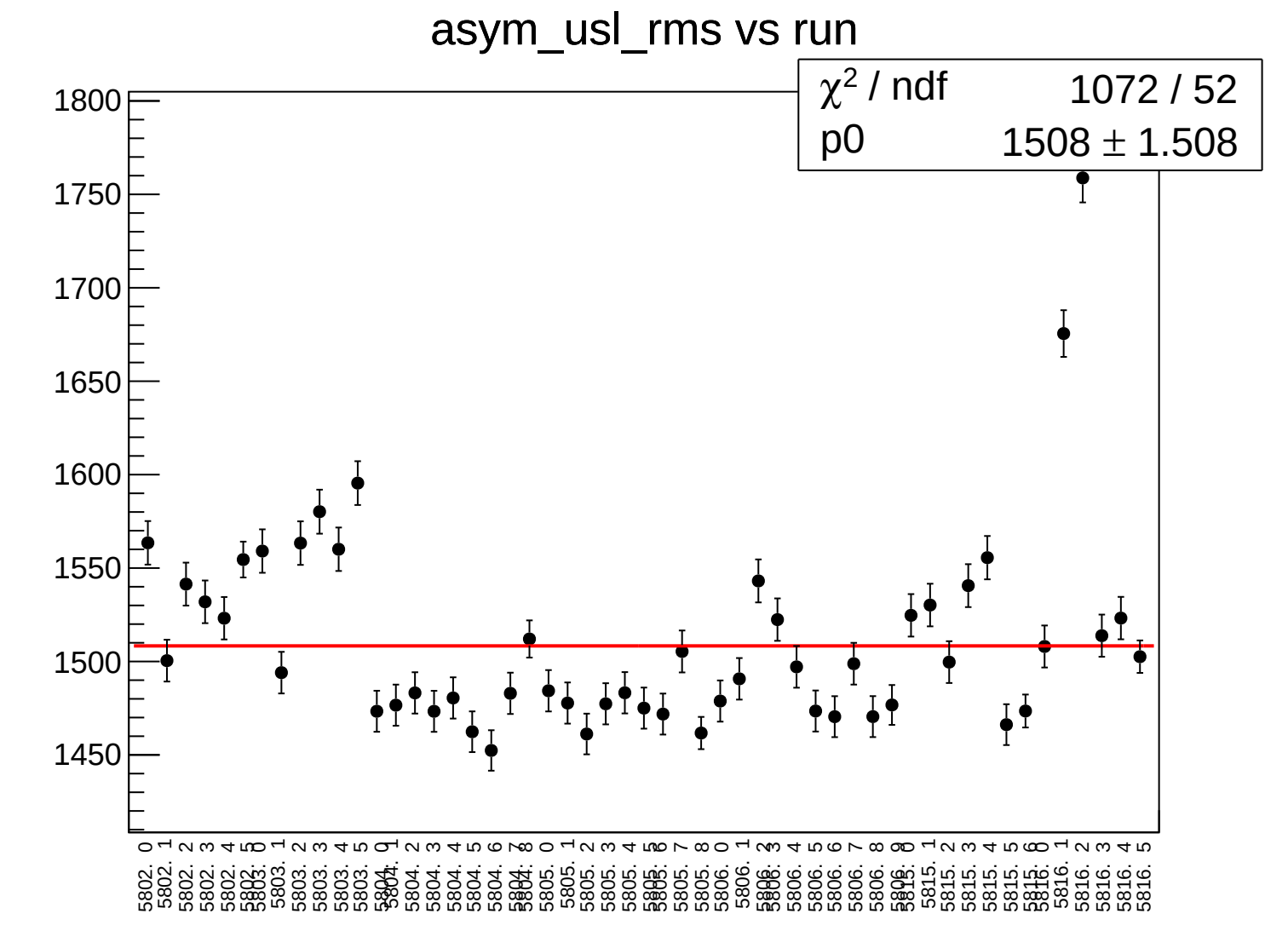

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 60.41 / 52
p0 −774.3 ± 1479
pull
Entries 53
Mean −47.74
Std Dev 0

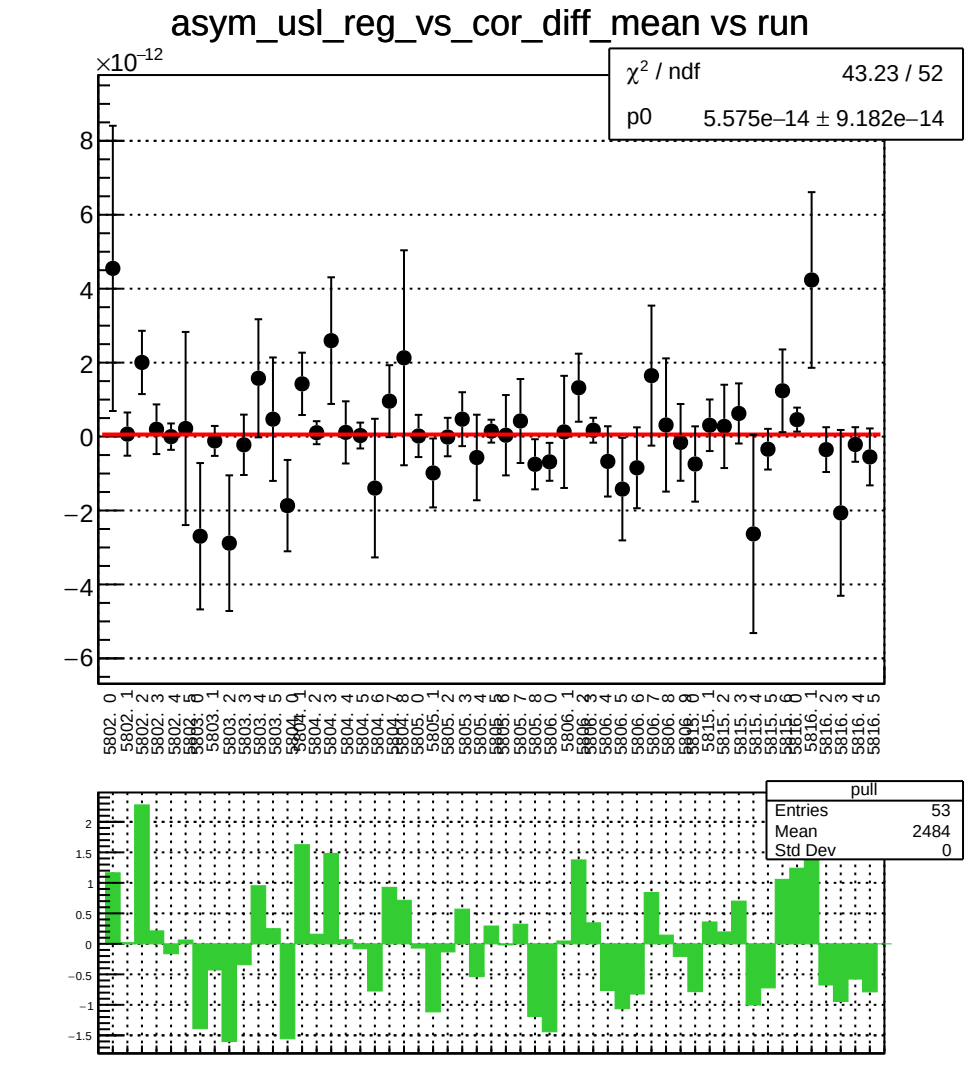

pull1D
Entries 53
Mean 0.02329
Std Dev 1.067

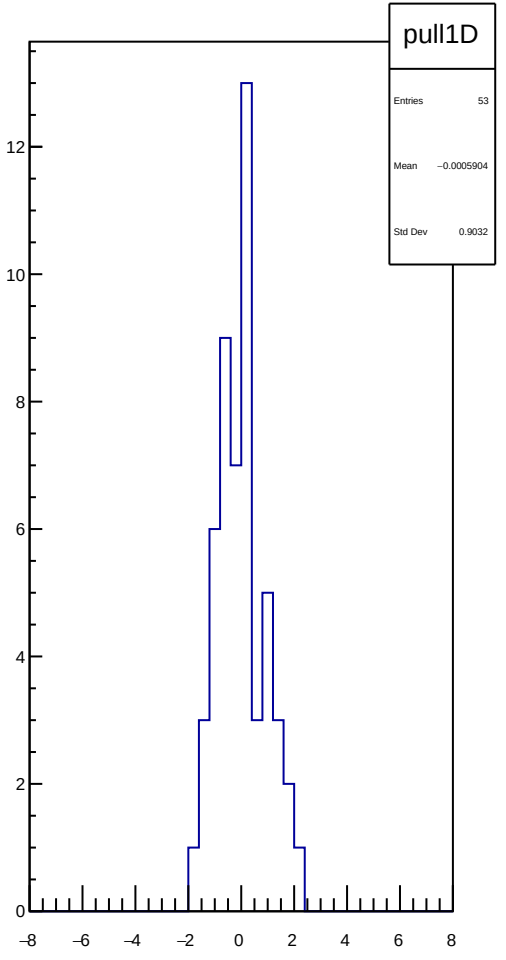

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 3380 / 52
p0 1045 ± 1.046
1250
1200
1150
1100
1050
1000
950

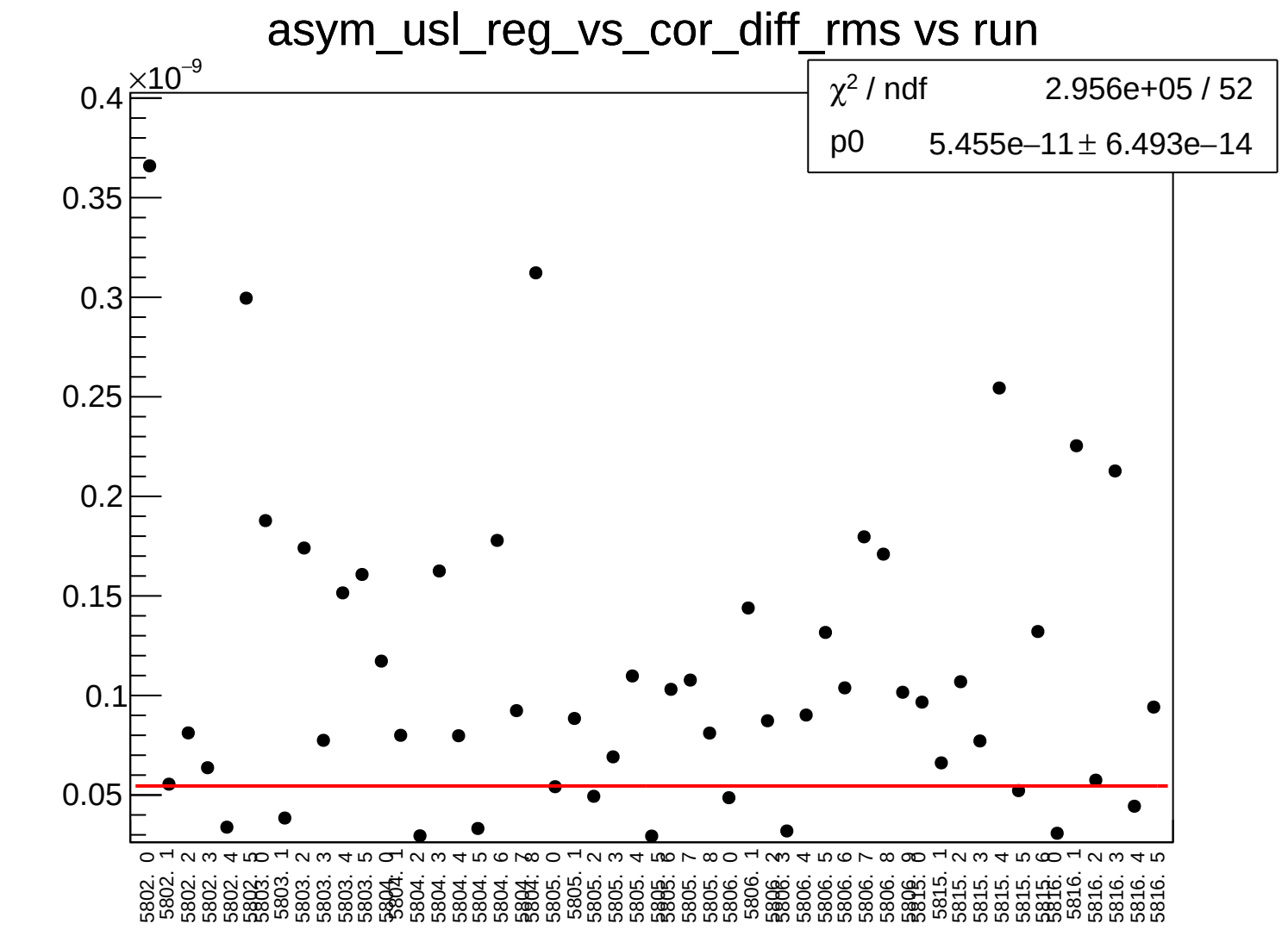

asym_usl_mean vs run
χ² / ndf 55.17 / 52
p0 2779 ± 2133
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −1.627e+04
Std Dev 0
2
1
0
−1
−2

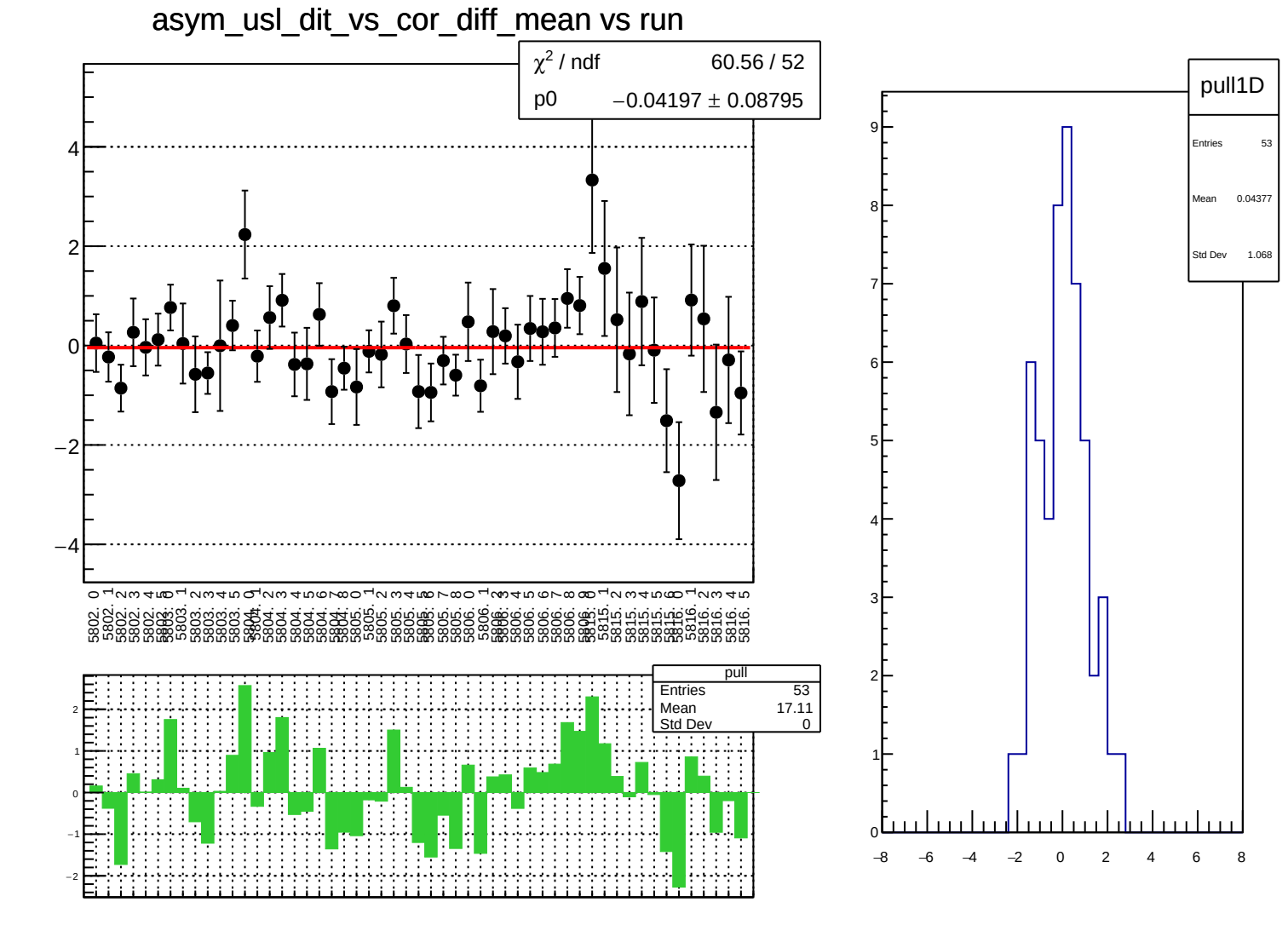

pull1D
Entries 53
Mean −8.05e−05
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

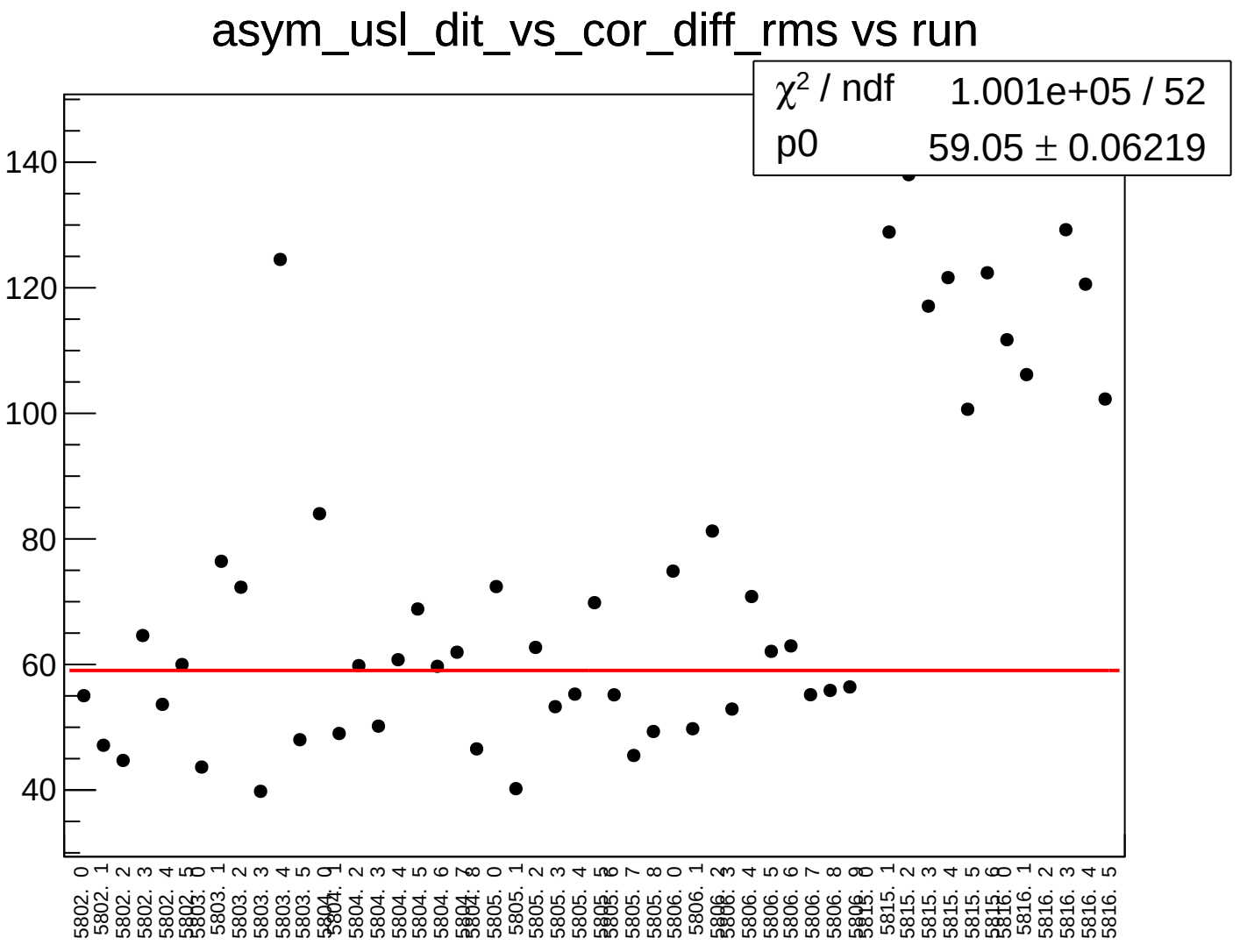

asym_usl_rms vs run
χ² / ndf 1072 / 52
p0 1508 ± 1.508
1800
1750
1700
1650
1600
1550
1500
1450

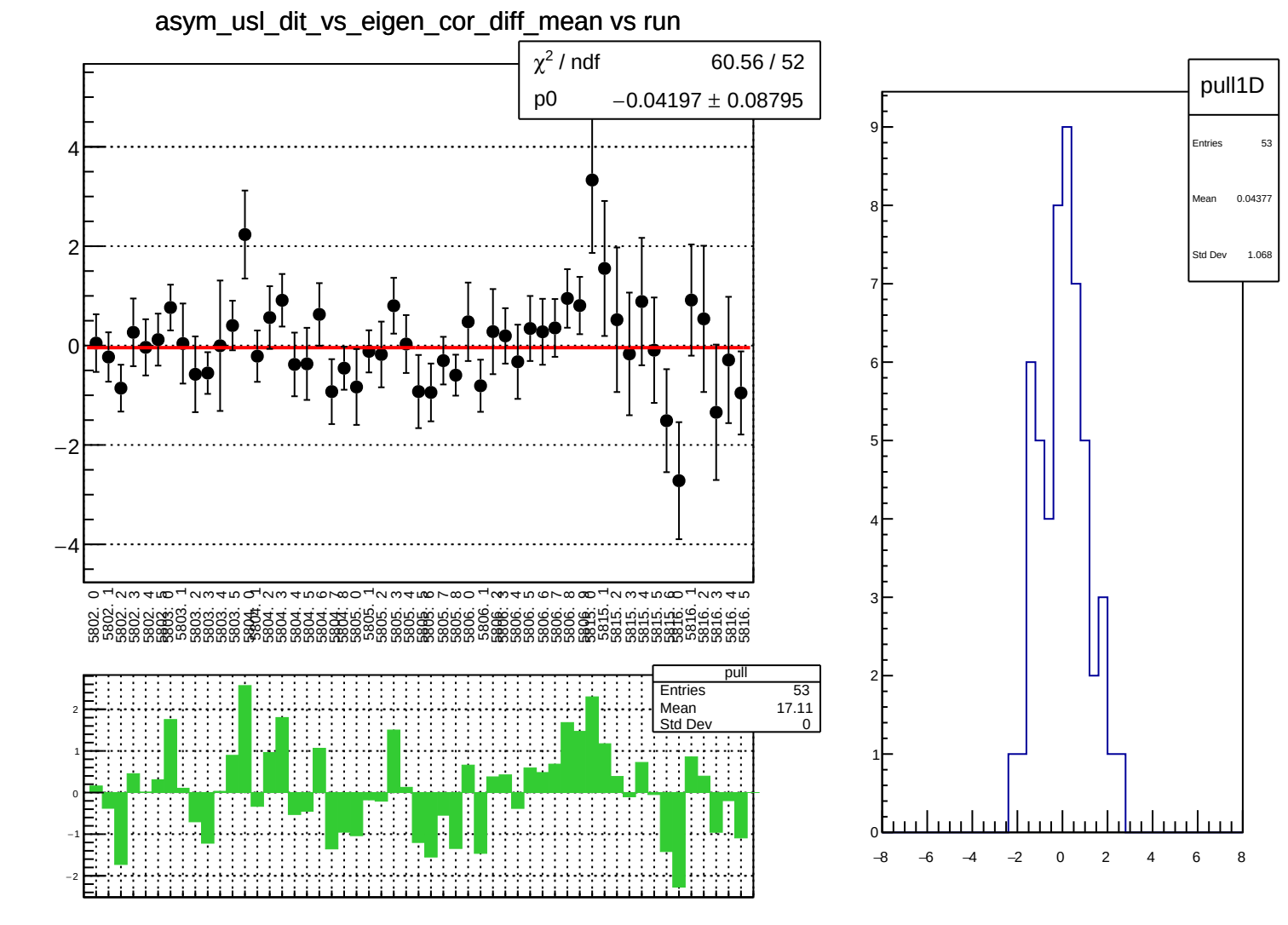

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.23 / 52
p0 5.575e−14 ± 9.182e−14
pull
Entries 53
Mean 2484
Std Dev 0

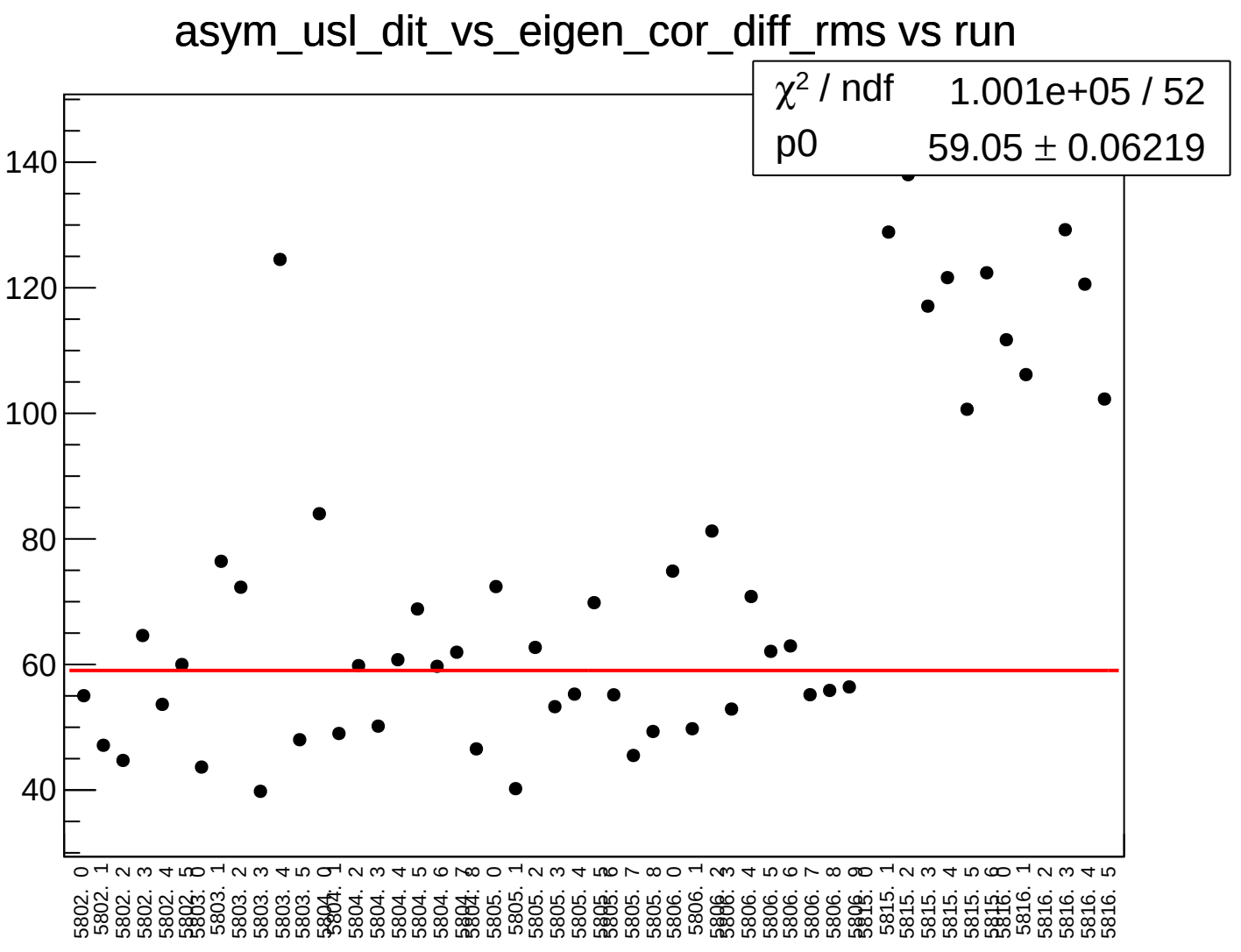

pull1D
Entries 53
Mean −0.0005904
Std Dev 0.9032

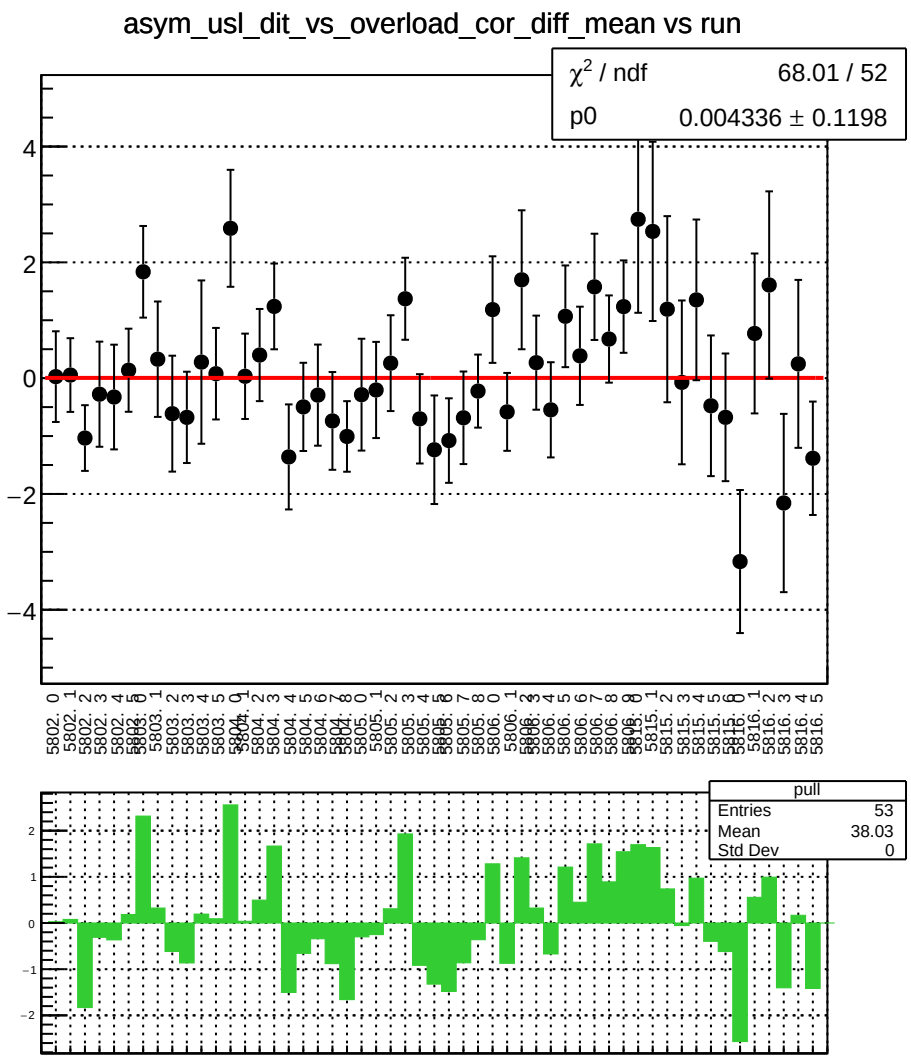

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.956e+05 / 52
p0 5.455e−11 ± 6.493e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

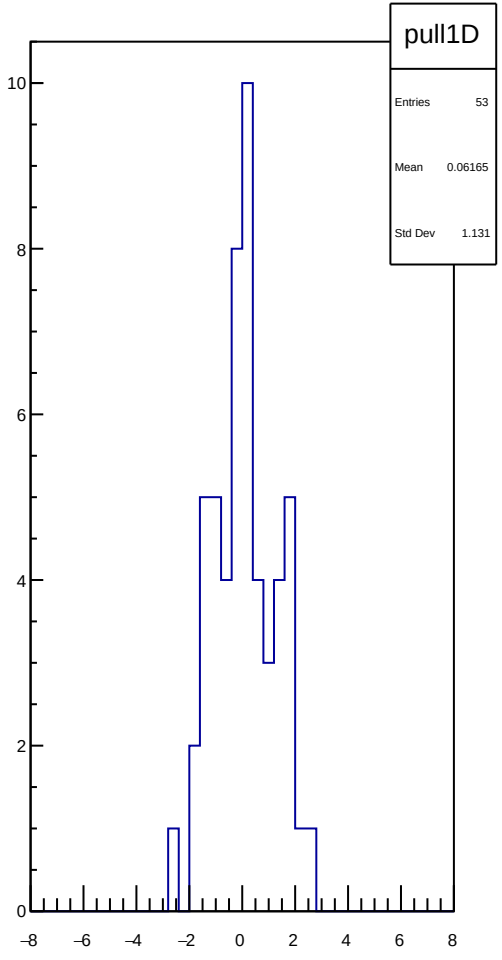

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 52
p0 −0.04197 ± 0.08795
pull
Entries 53
Mean 17.11
Std Dev 0
pull1D
Entries 53
Mean 0.04377
Std Dev 1.068

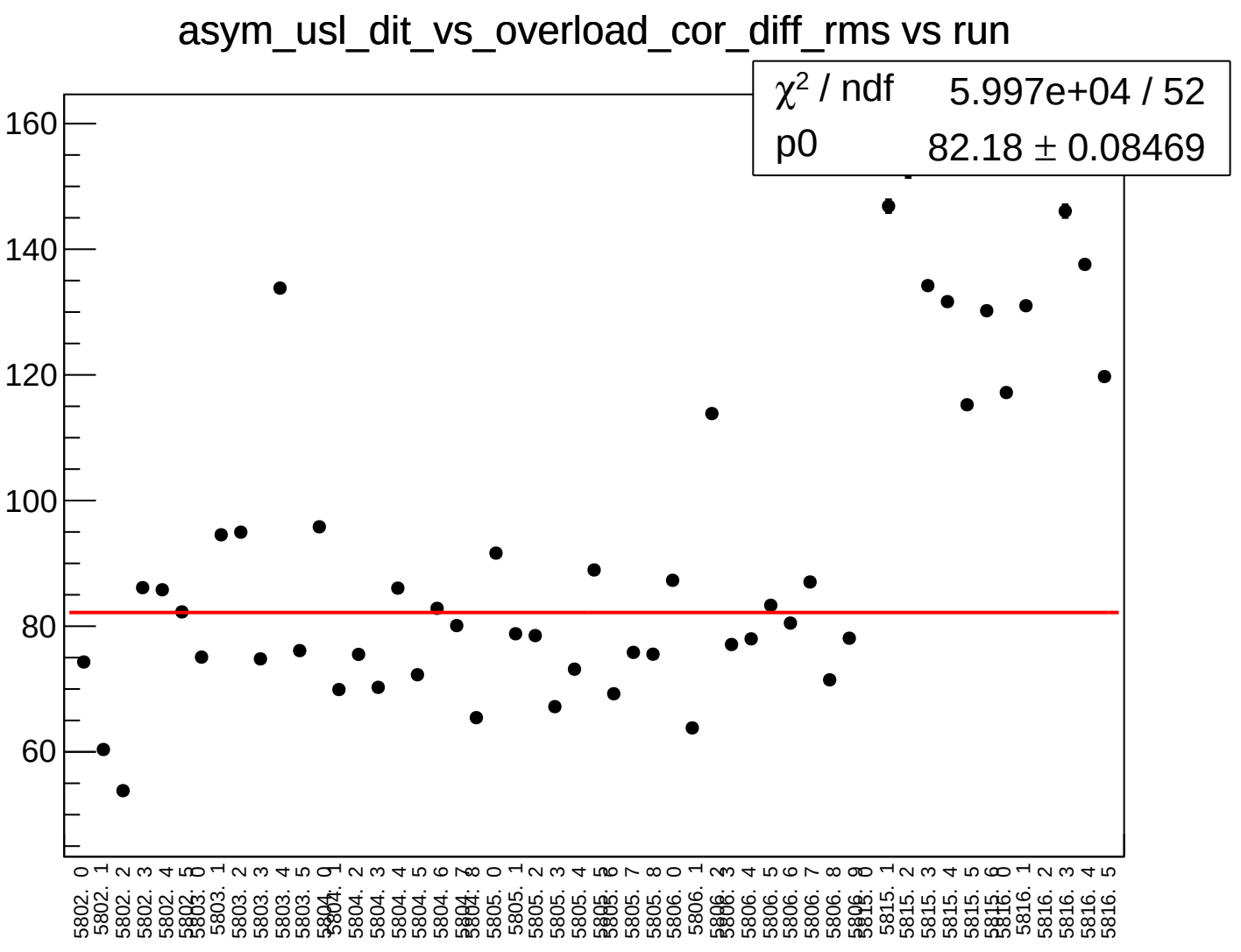

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 52
p0 59.05 ± 0.06219
140
120
100
80
60
40

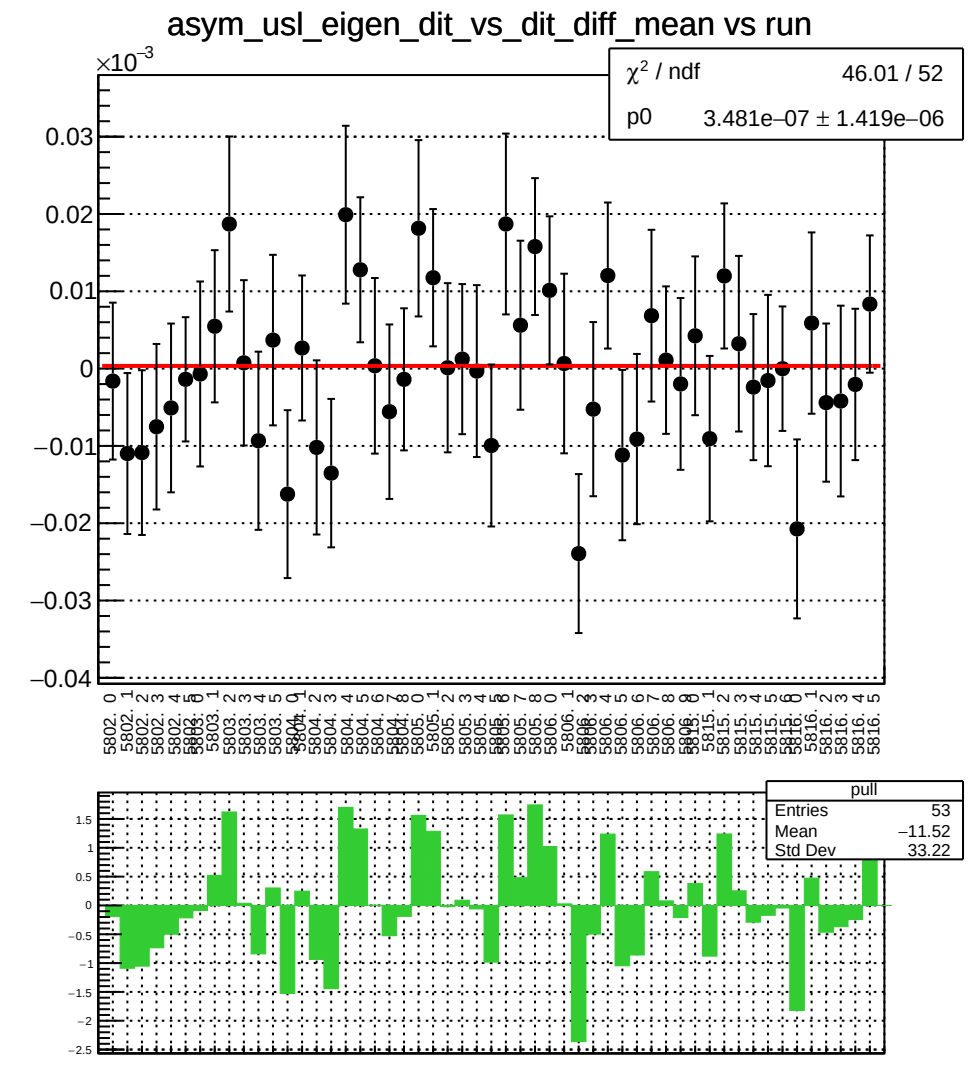

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.56 / 52
p0 −0.04197 ± 0.08795
pull
Entries 53
Mean 17.11
Std Dev 0
pull1D
Entries 53
Mean 0.04377
Std Dev 1.068

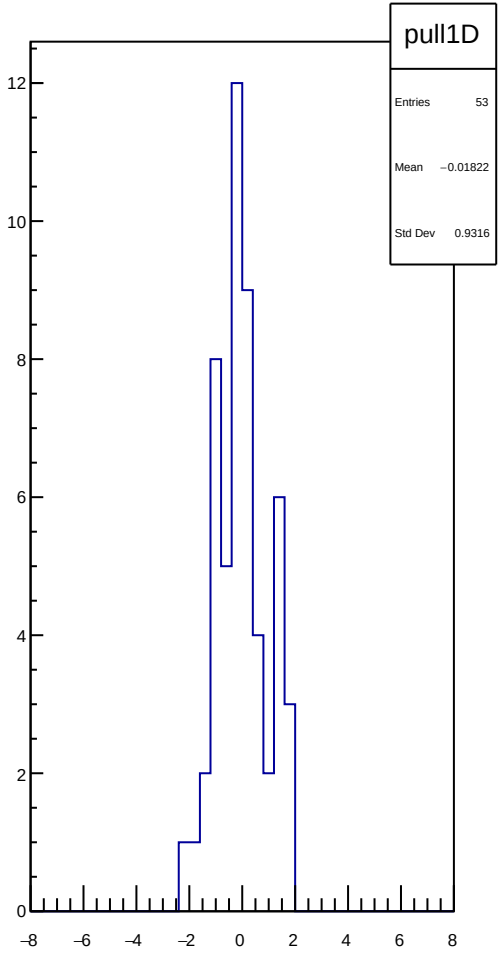

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 52
p0 59.05 ± 0.06219
140
120
100
80
60
40

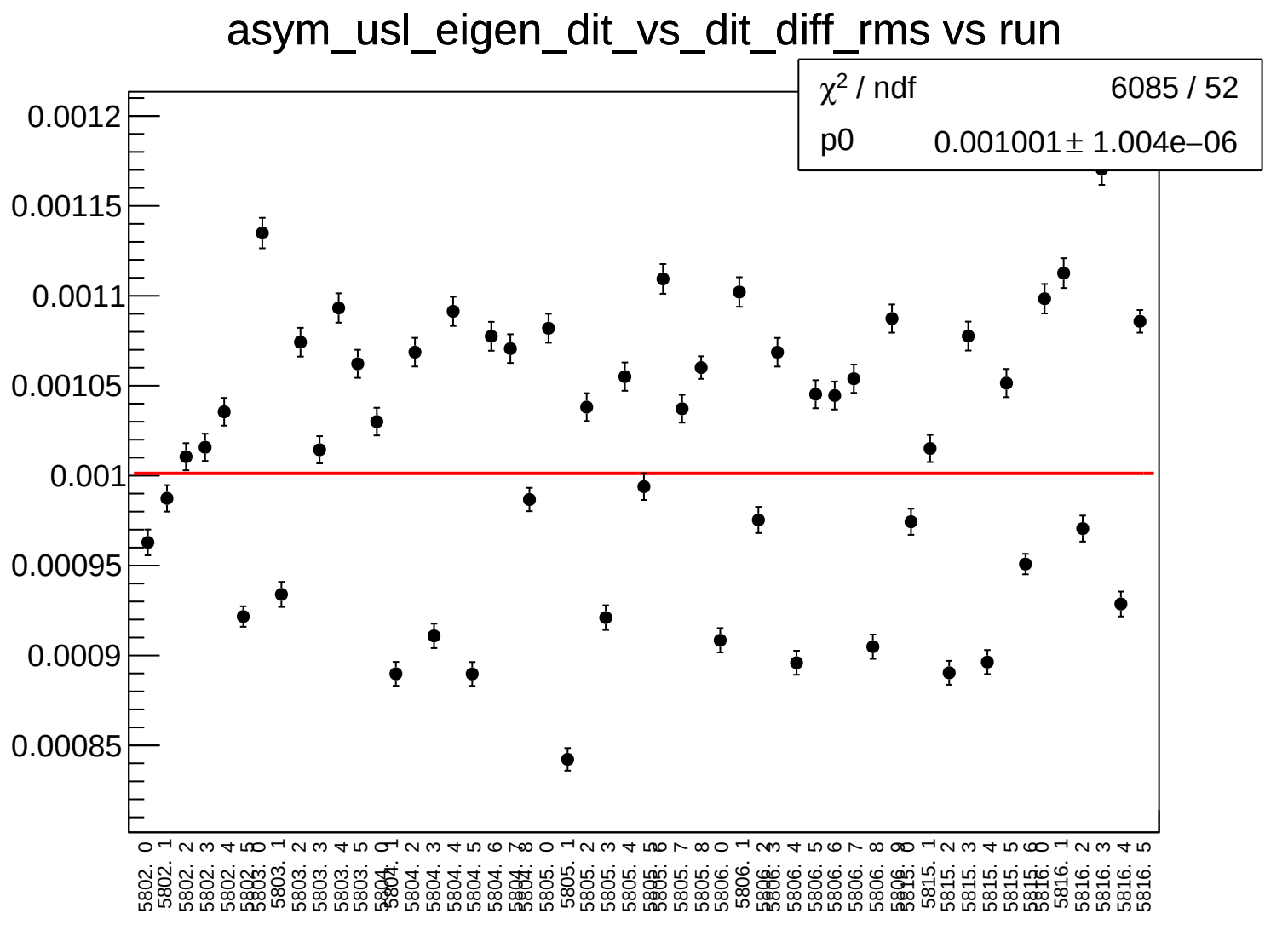

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 68.01 / 52
p0 0.004336 ± 0.1198
pull
Entries 53
Mean 38.03
Std Dev 0

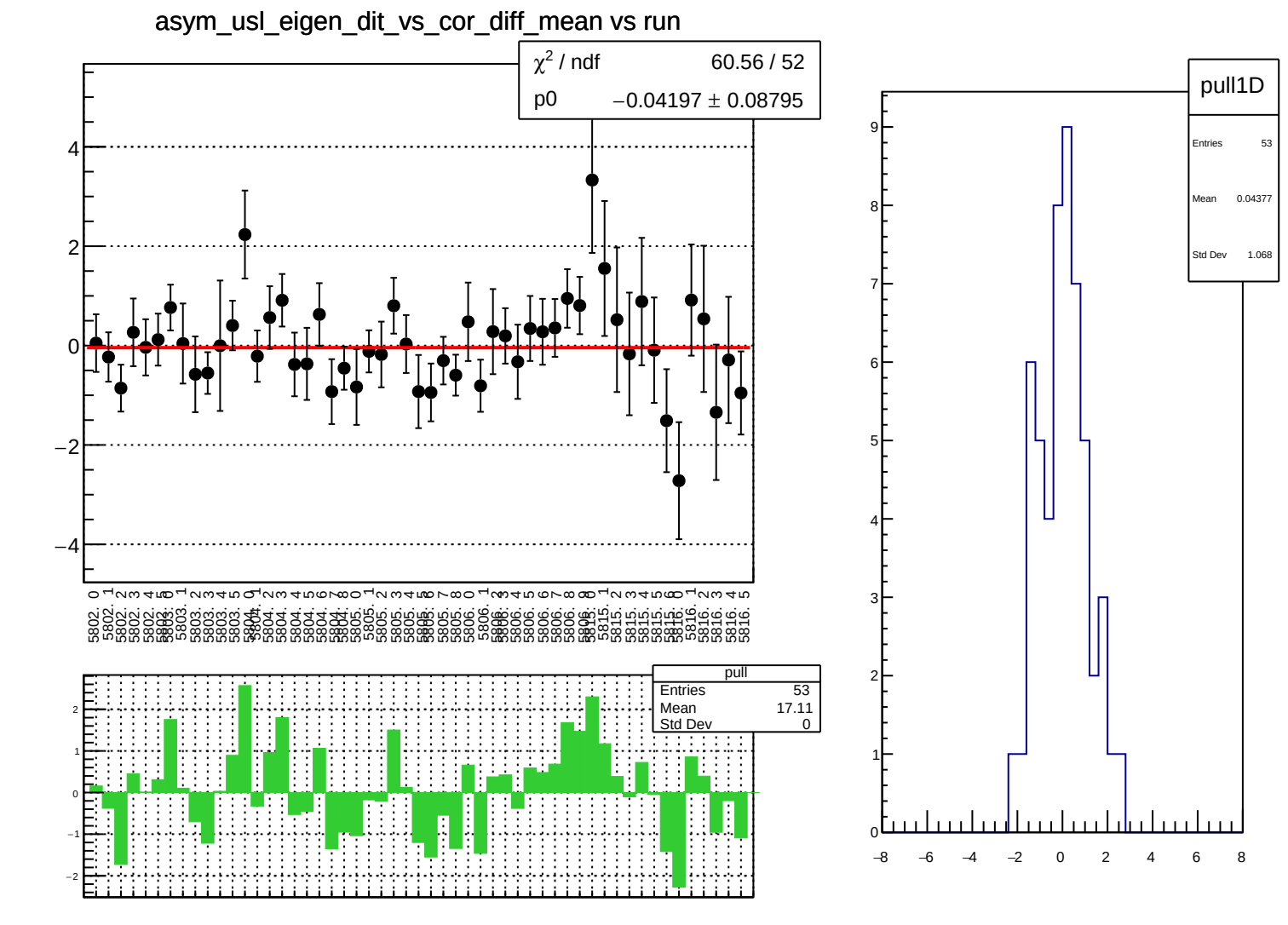

pull1D
Entries 53
Mean 0.06165
Std Dev 1.131

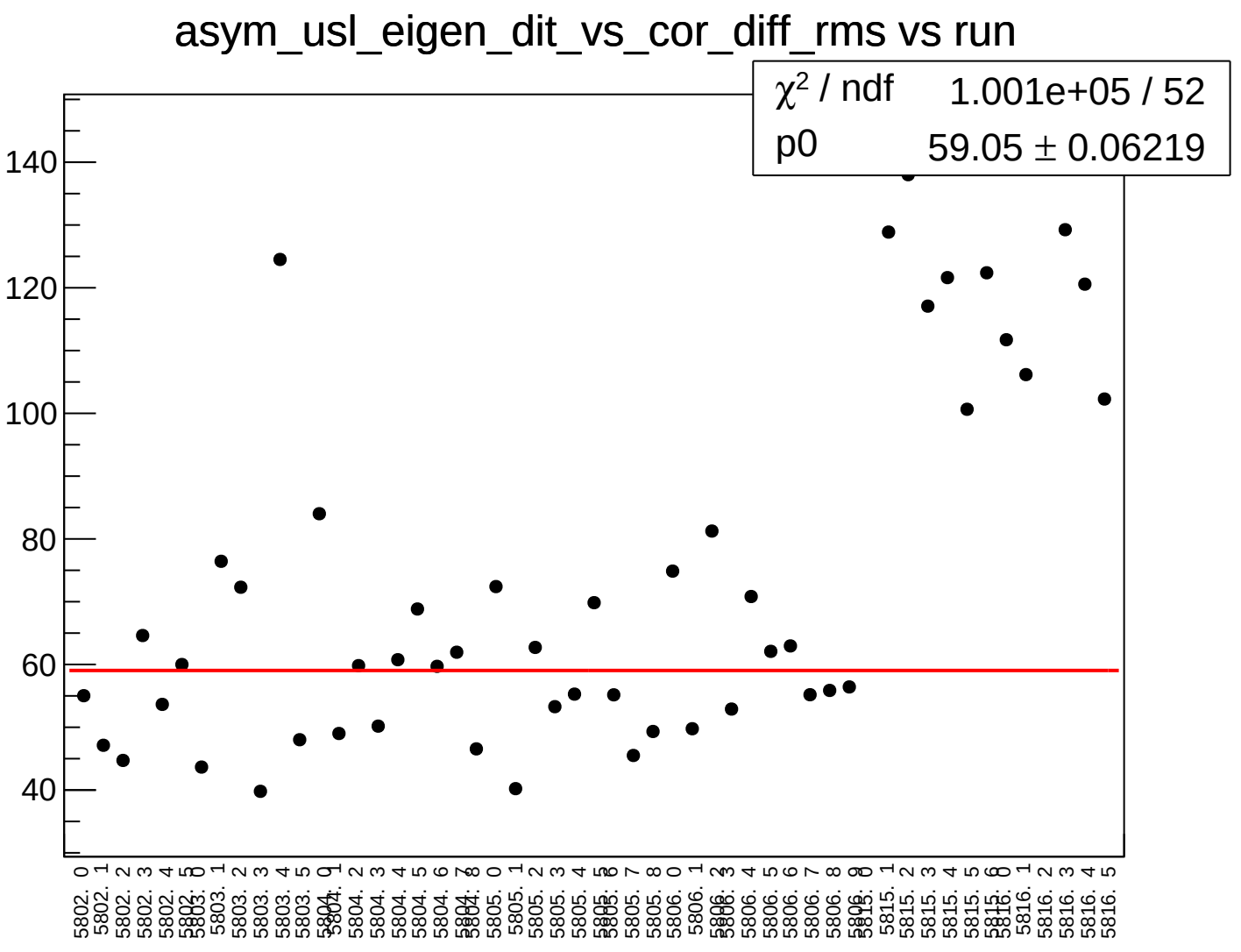

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.997e+04 / 52
p0 82.18 ± 0.08469
160
140
120
100
80
60


asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.01 / 52
p0 3.481e−07 ± 1.419e−06
pull
Entries 53
Mean −11.52
Std Dev 33.22

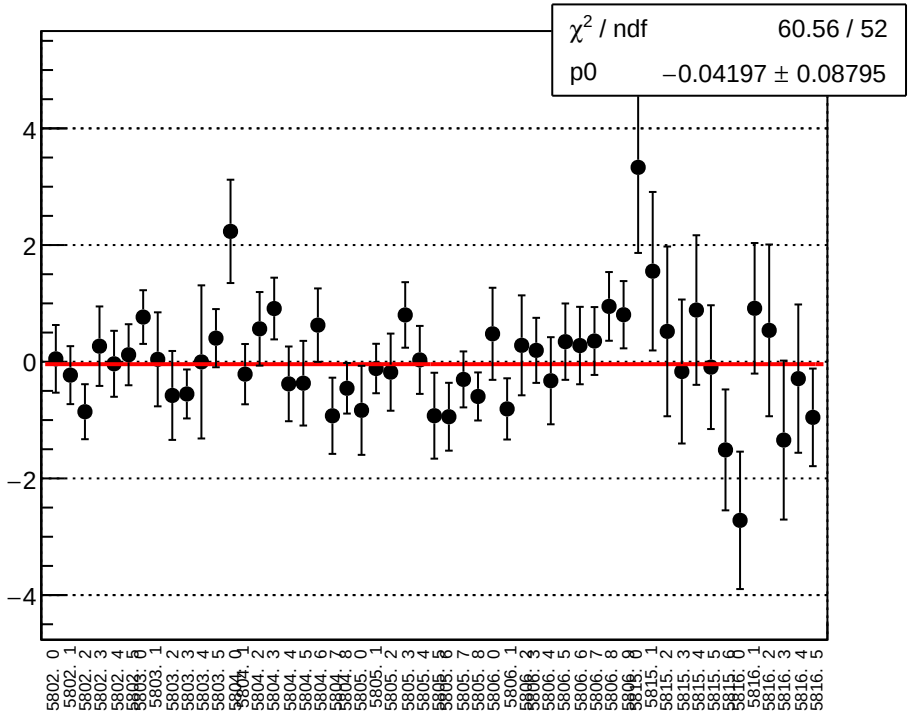

pull1D
Entries 53
Mean −0.01822
Std Dev 0.9316

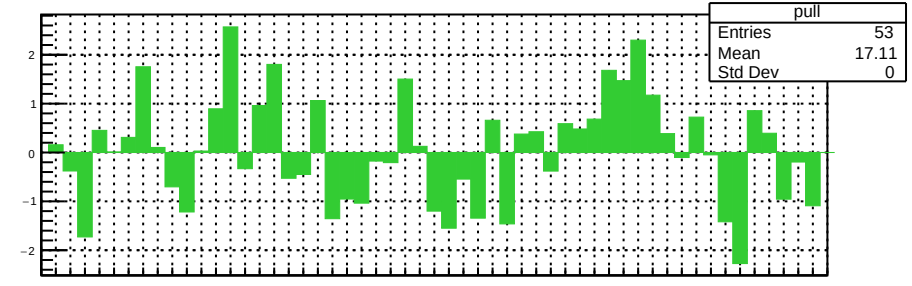

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6085 / 52
p0 0.001001 ± 1.004e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085

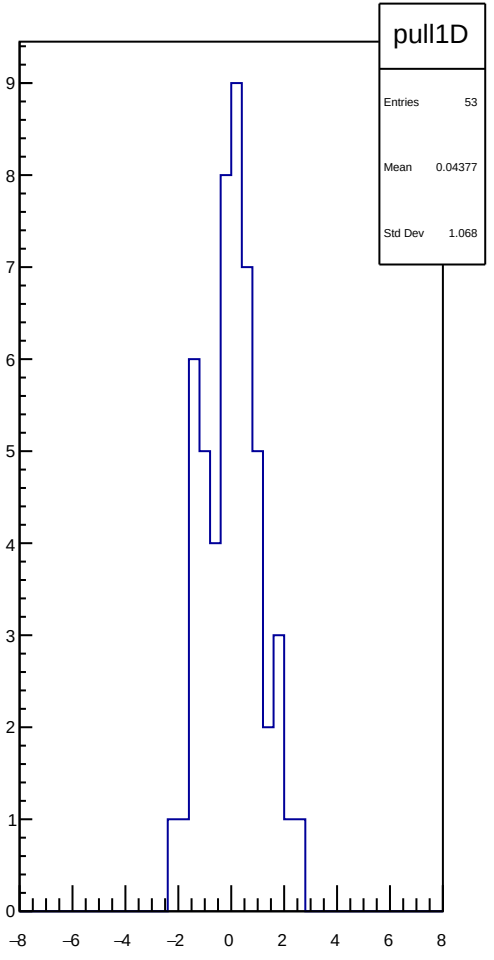

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.56 / 52
p0 −0.04197 ± 0.08795
pull
Entries 53
Mean 17.11
Std Dev 0
pull1D
Entries 53
Mean 0.04377
Std Dev 1.068

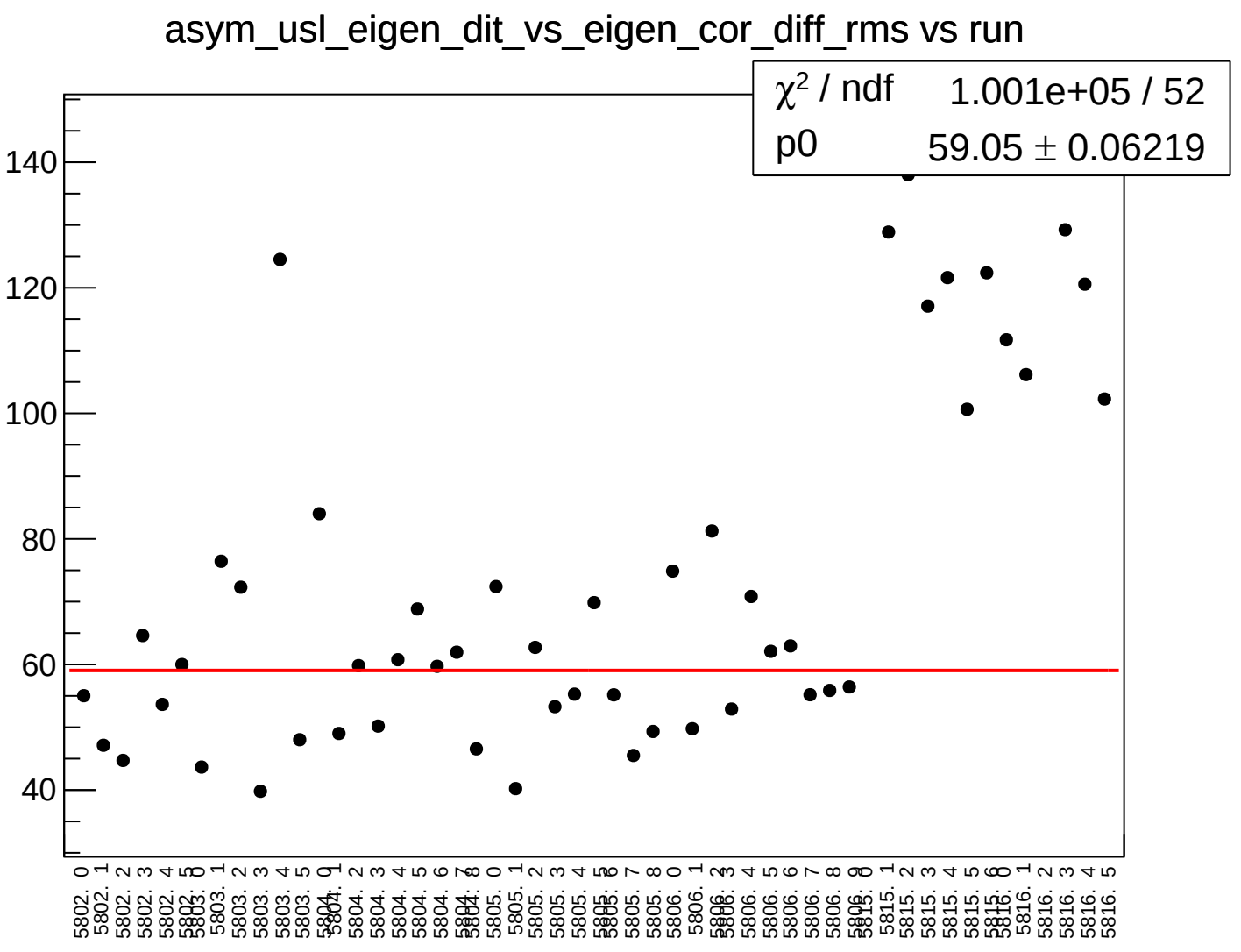

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 52
p0 59.05 ± 0.06219
140
120
100
80
60
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

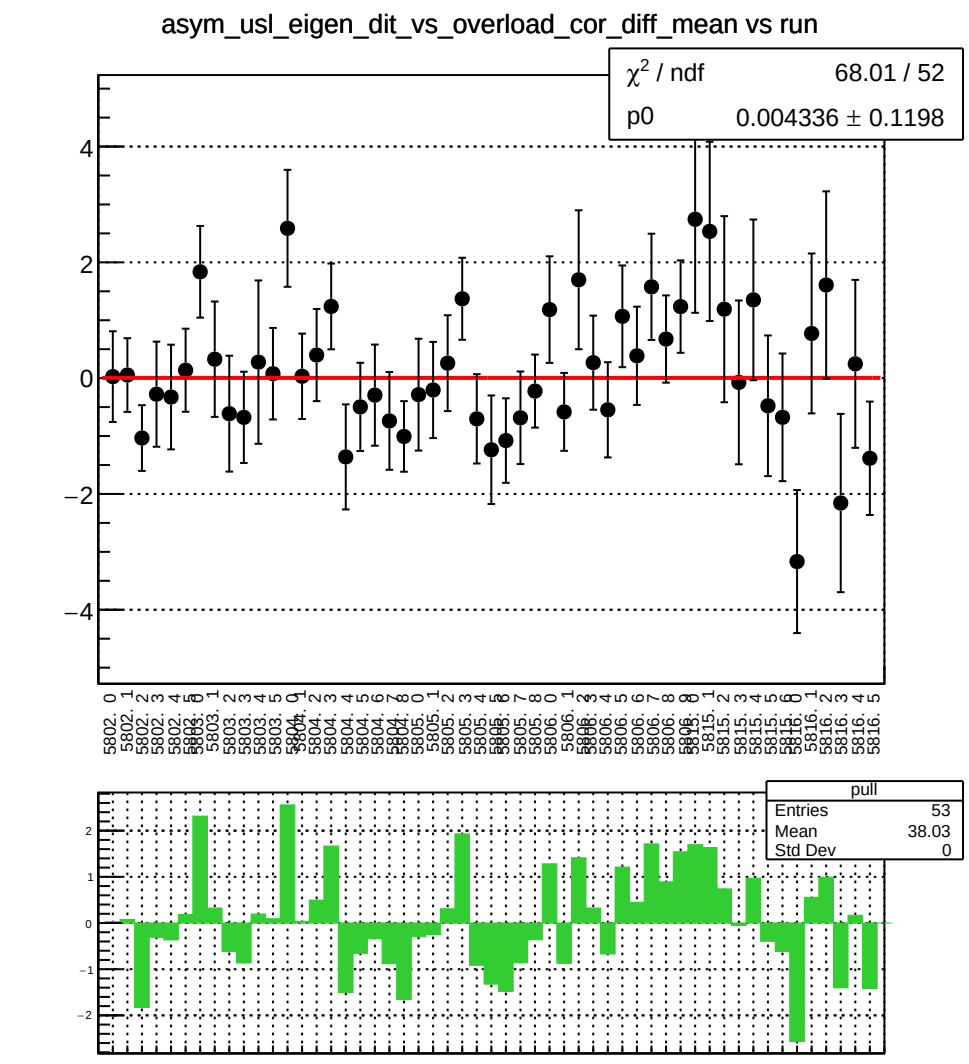
asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run

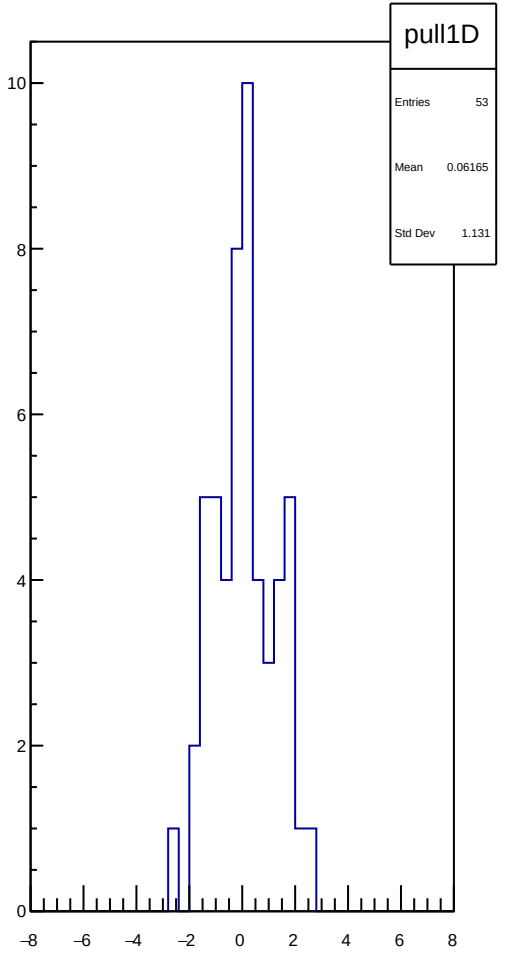


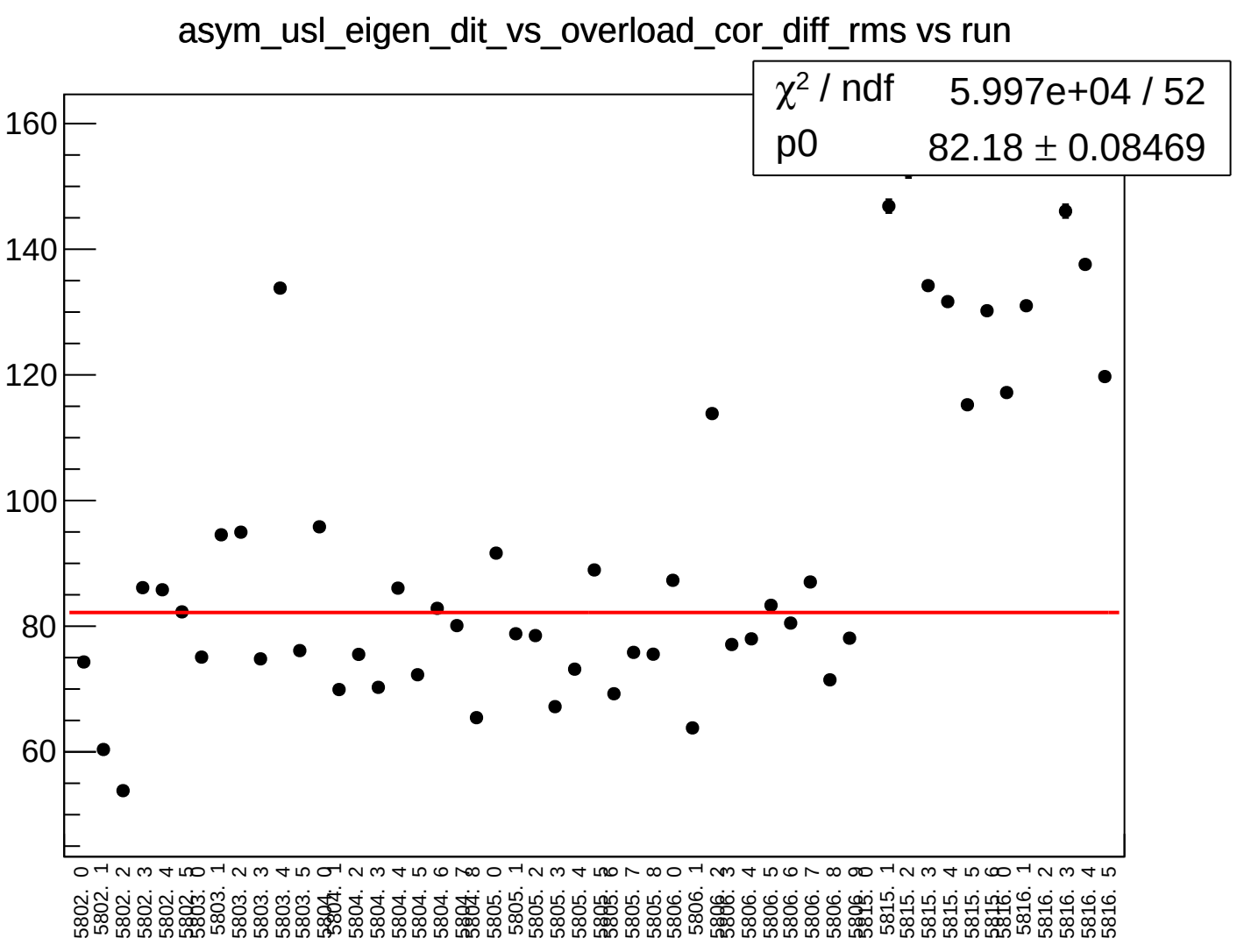


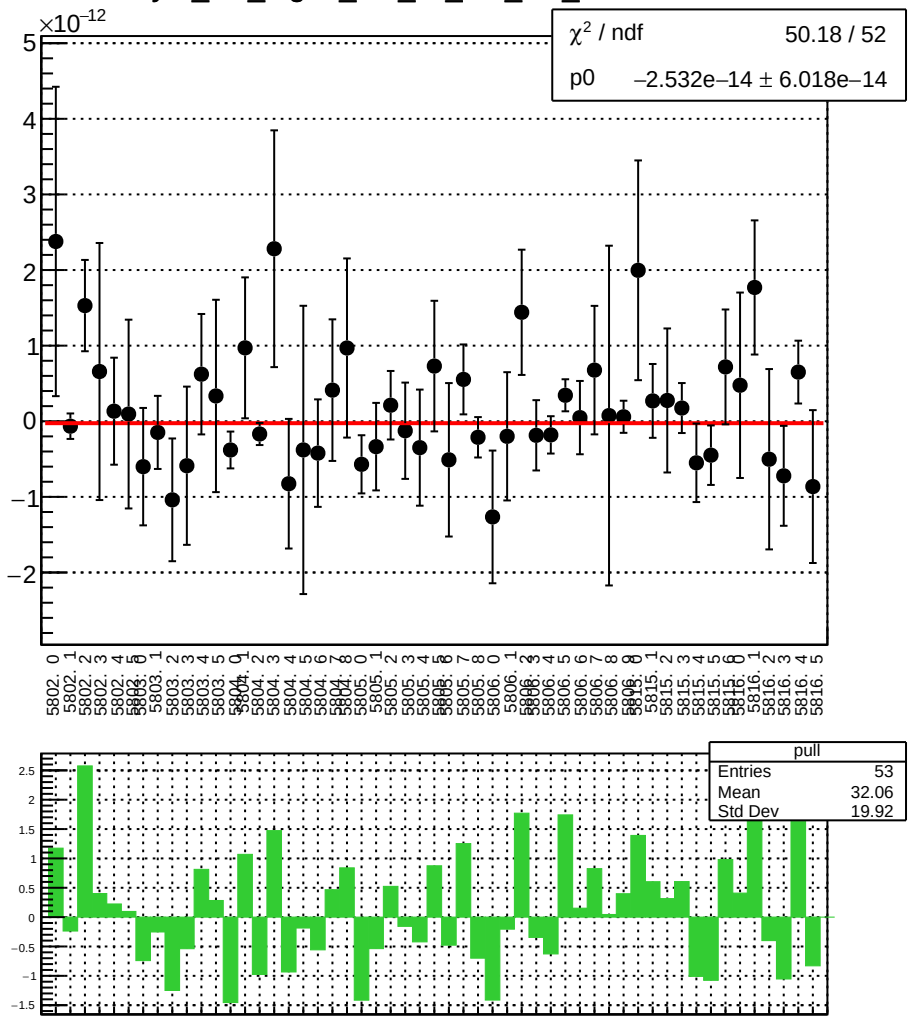


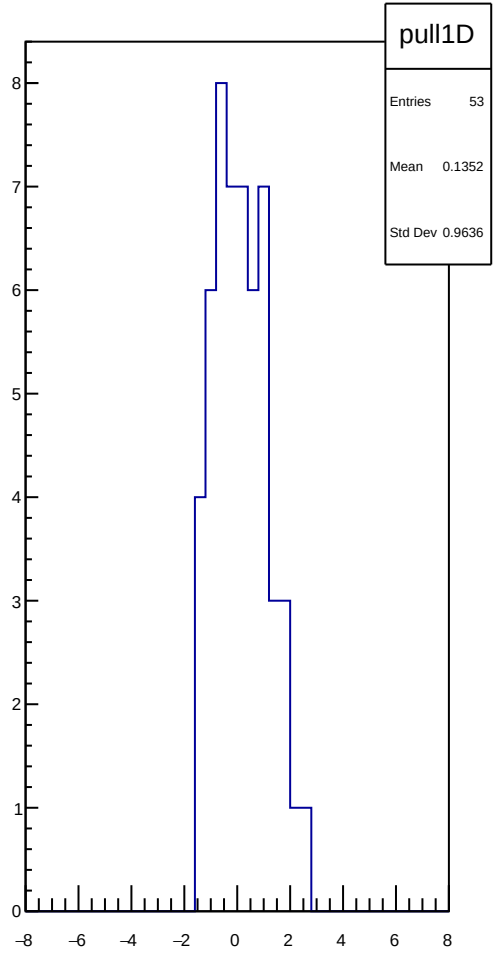

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.001e+05 / 52
p0 59.05 ± 0.06219
140
120
100
80
60
40

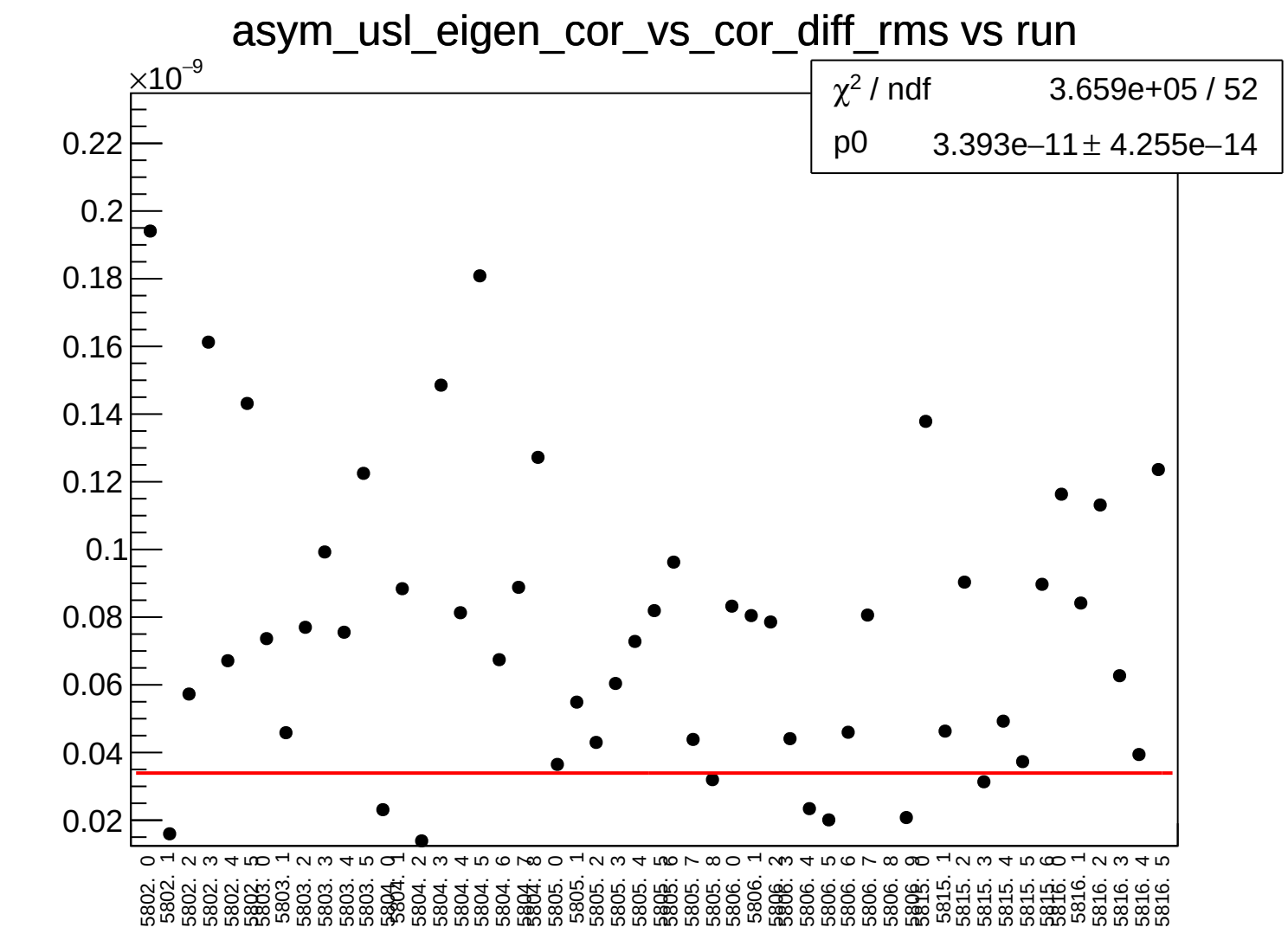

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 68.01 / 52
p0 0.004336 ± 0.1198
pull
Entries 53
Mean 38.03
Std Dev 0

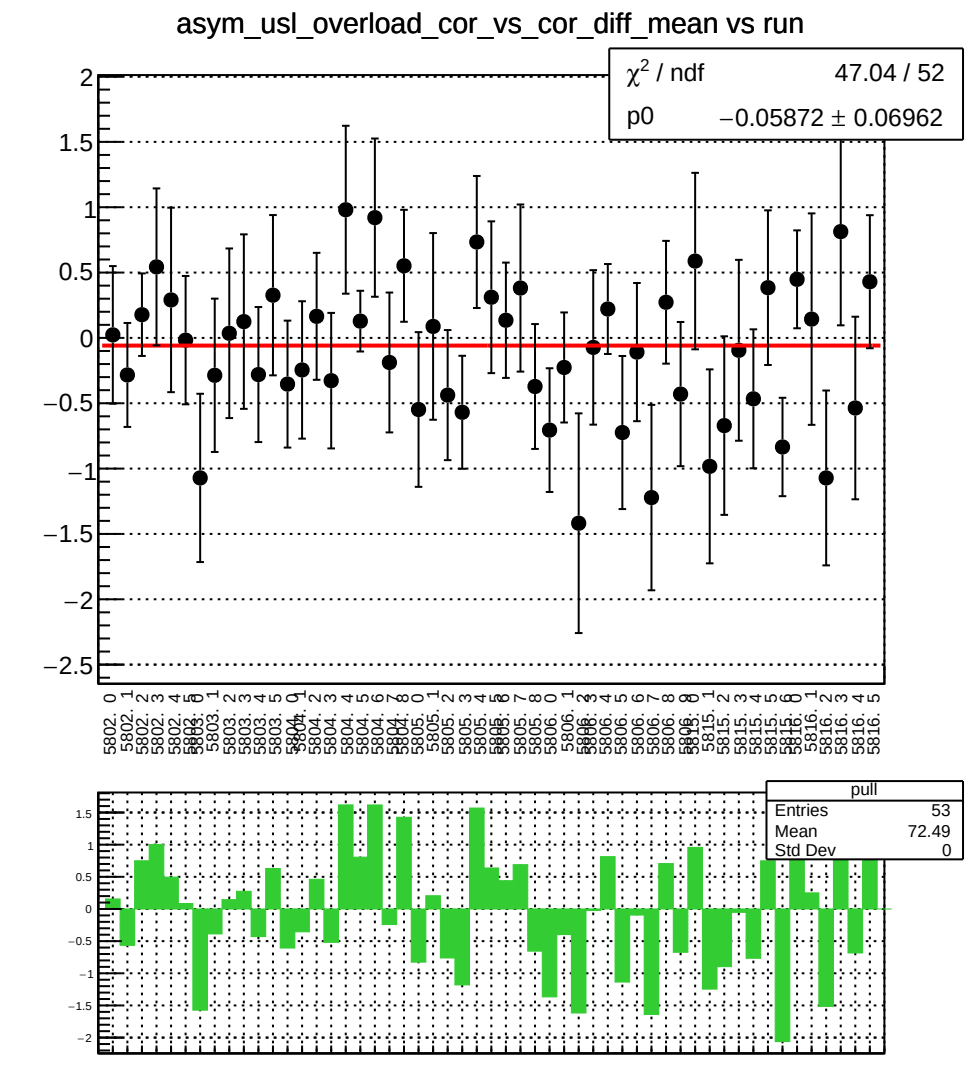

pull1D
Entries 53
Mean 0.06165
Std Dev 1.131

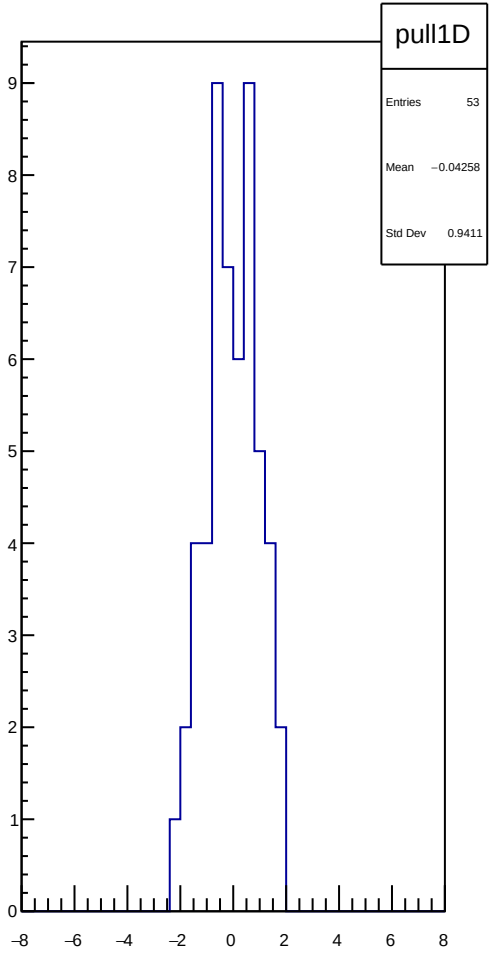

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.997e+04 / 52
p0 82.18 ± 0.08469
160
140
120
100
80
60

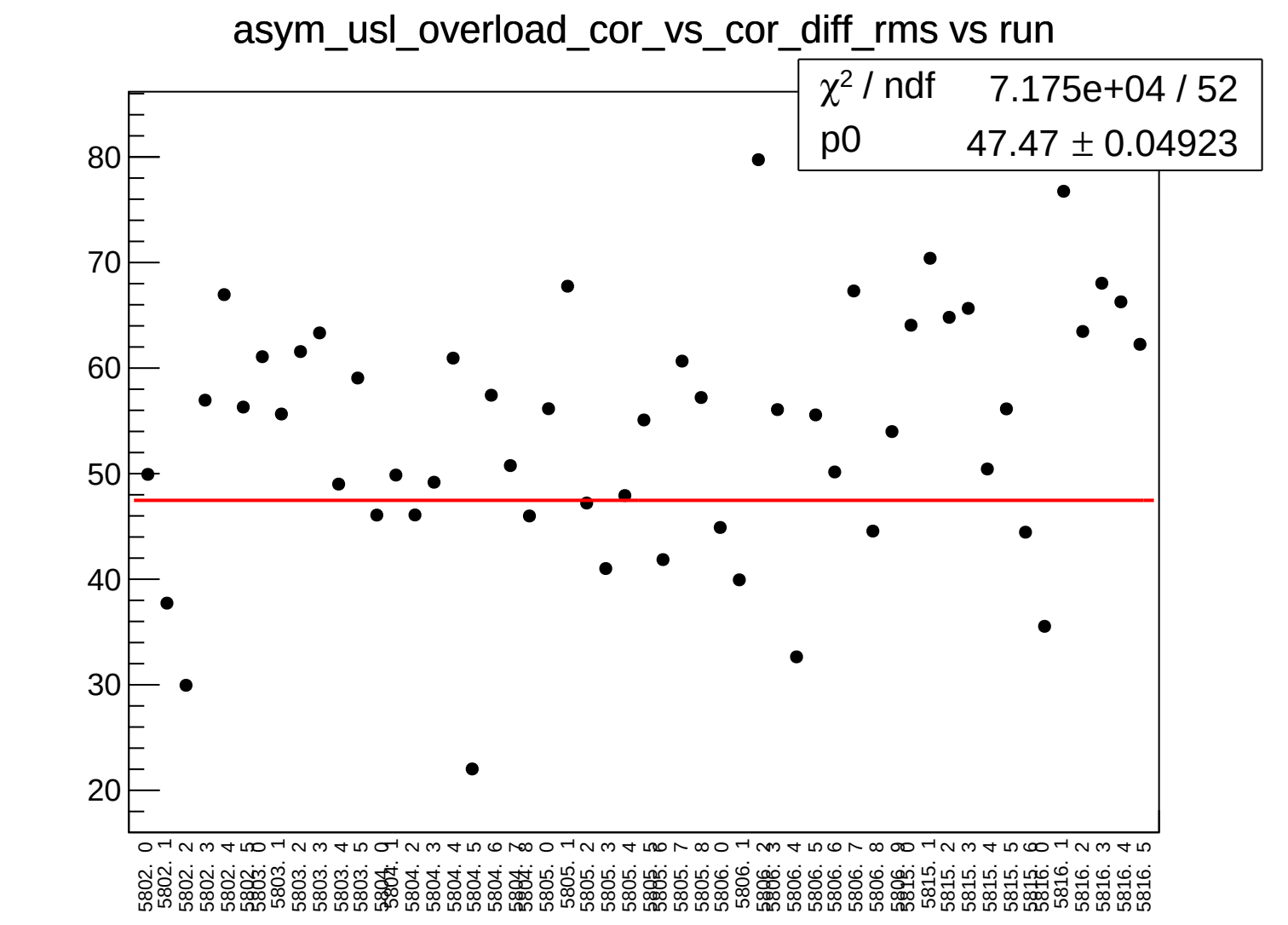

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.18 / 52
p0 −2.532e−14 ± 6.018e−14
pull
Entries 53
Mean 32.06
Std Dev 19.92


pull1D
Entries 53
Mean 0.1352
Std Dev 0.9636


asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.659e+05 / 52
p0 3.393e−11 ± 4.255e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02


asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 47.04 / 52
p0 −0.05872 ± 0.06962
pull
Entries 53
Mean 72.49
Std Dev 0


pull1D
Entries 53
Mean −0.04258
Std Dev 0.9411


asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.175e+04 / 52
p0 47.47 ± 0.04923
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
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5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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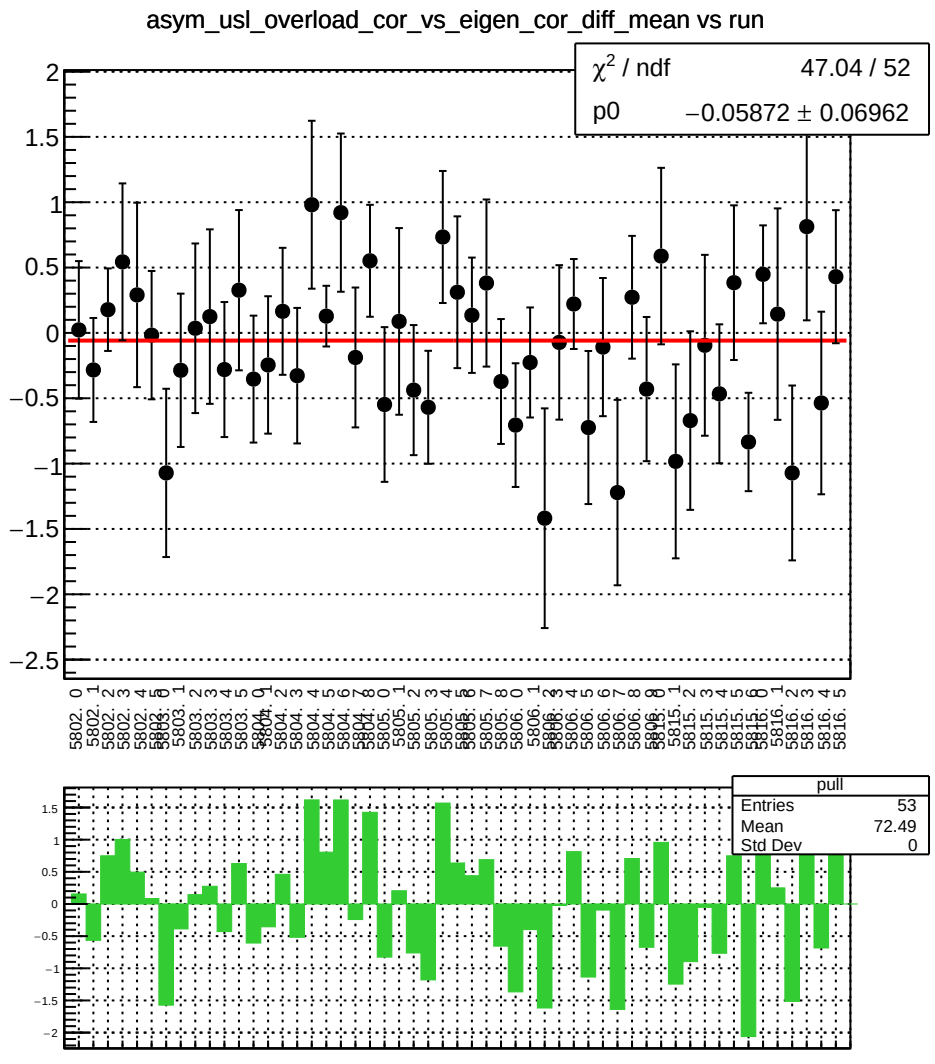
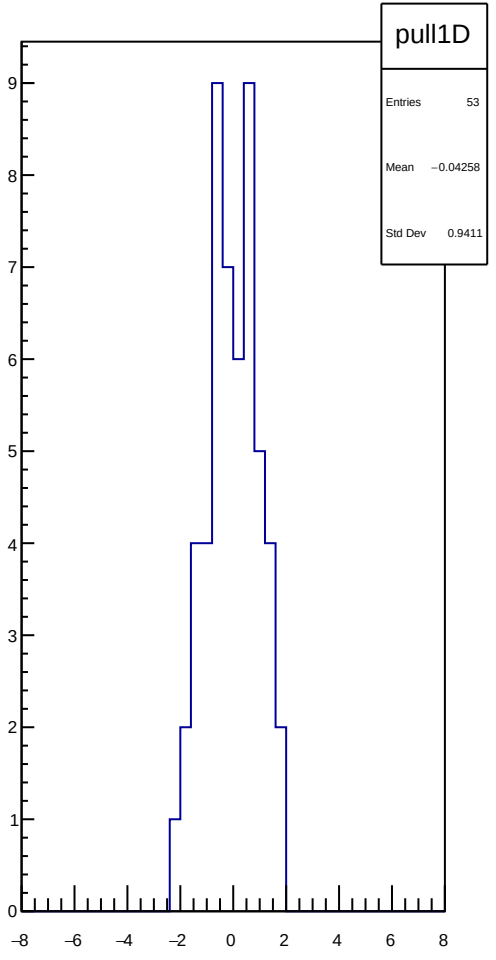
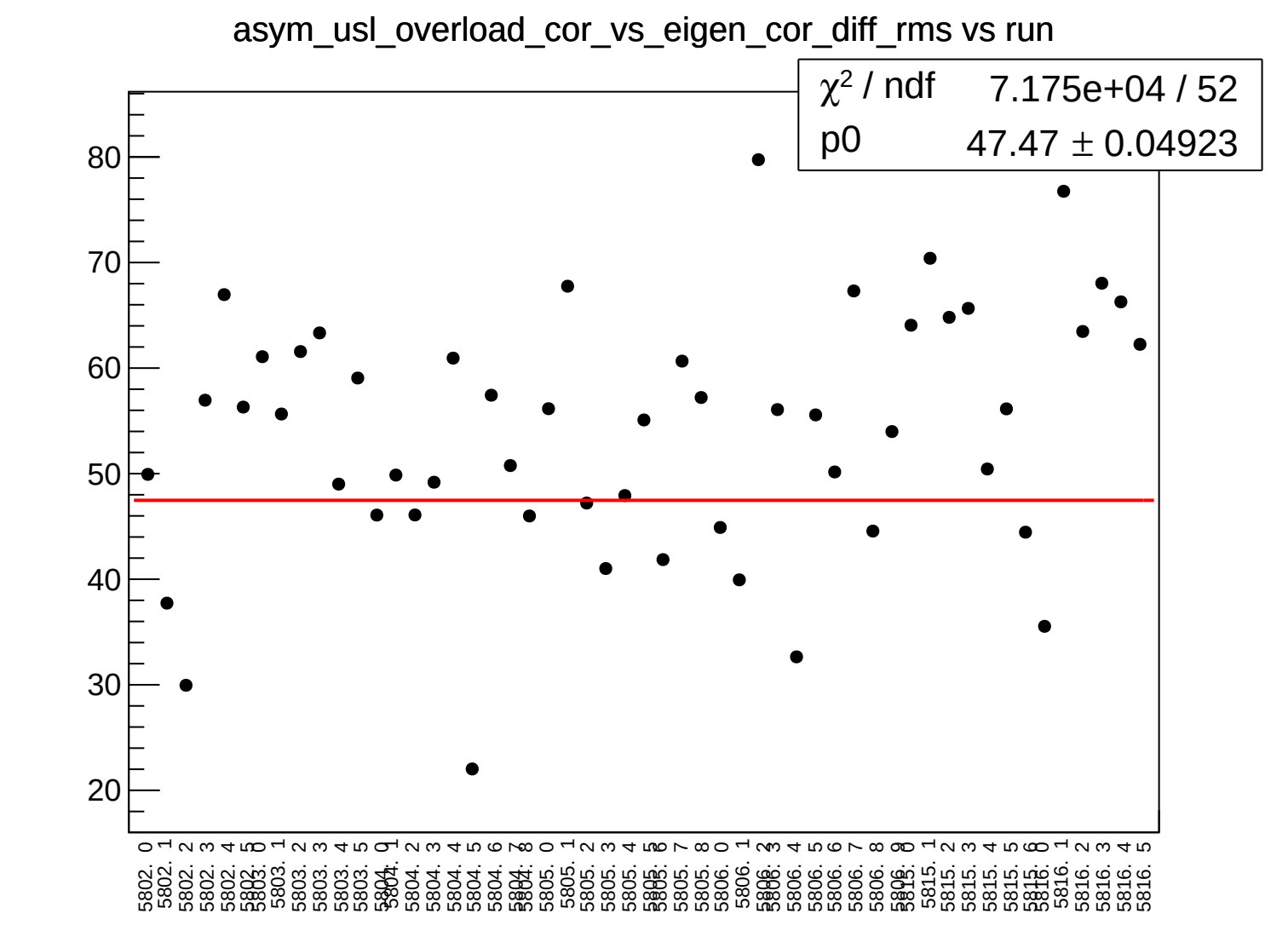
5816. 4
5816. 5


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.04 / 52
p0 −0.05872 ± 0.06962
pull
Entries 53
Mean 72.49
Std Dev 0


pull1D
Entries 53
Mean −0.04258
Std Dev 0.9411


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.175e+04 / 52
p0 47.47 ± 0.04923
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
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5806. 0
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5815. 3
5815. 4
5815. 5
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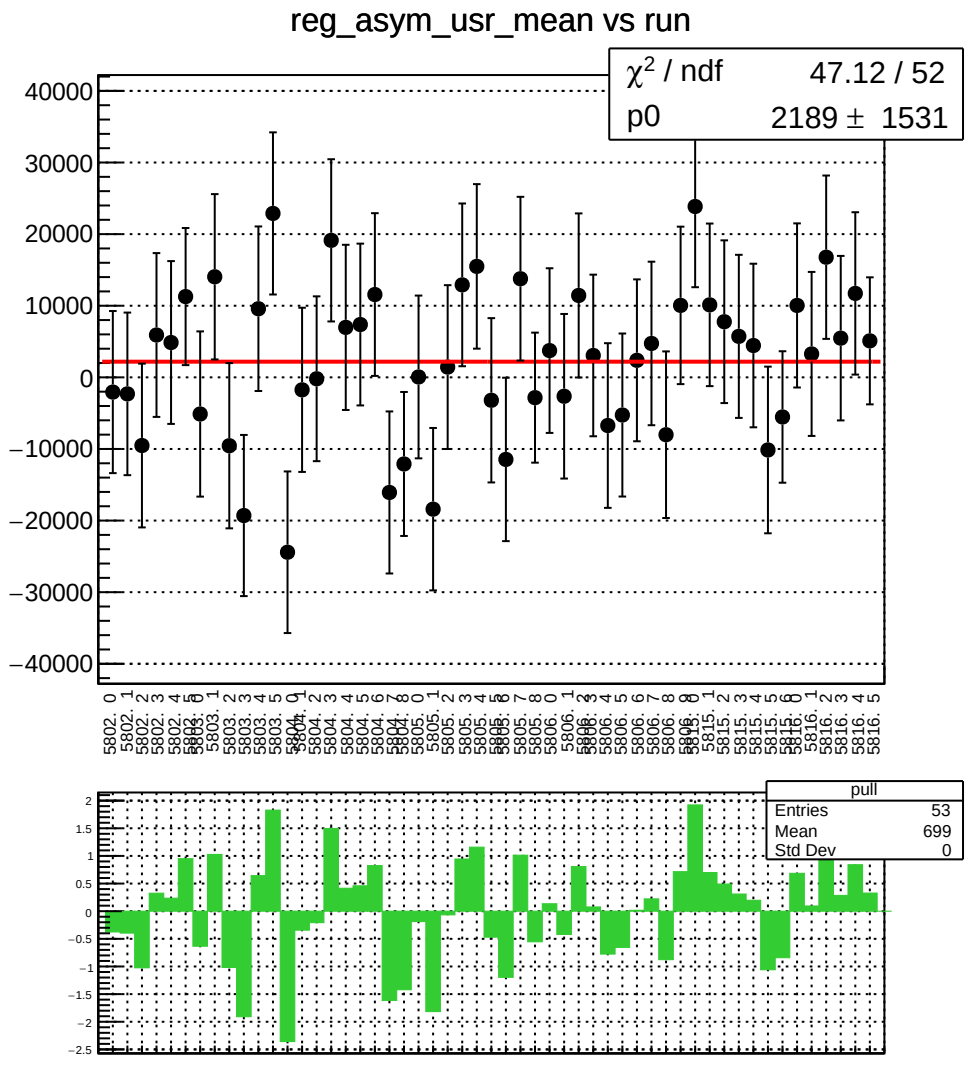
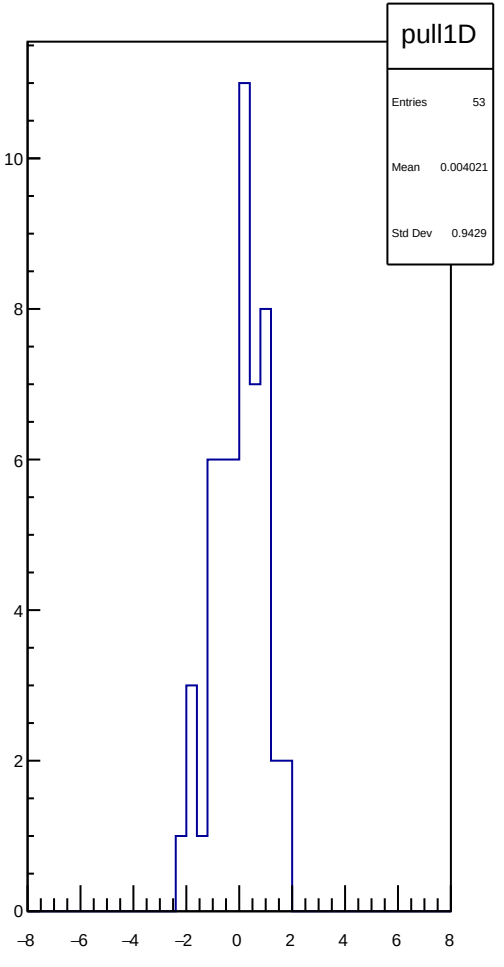
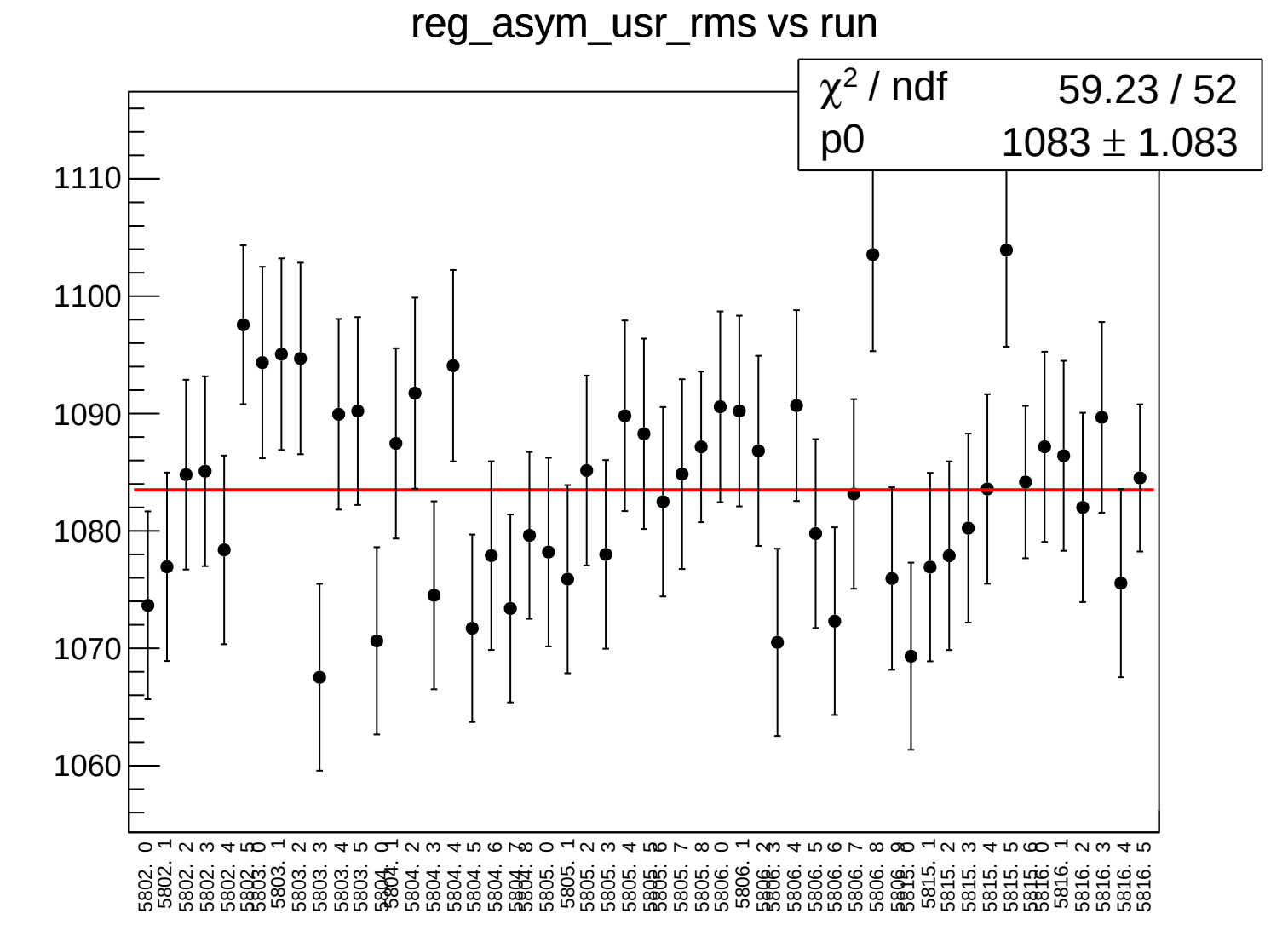
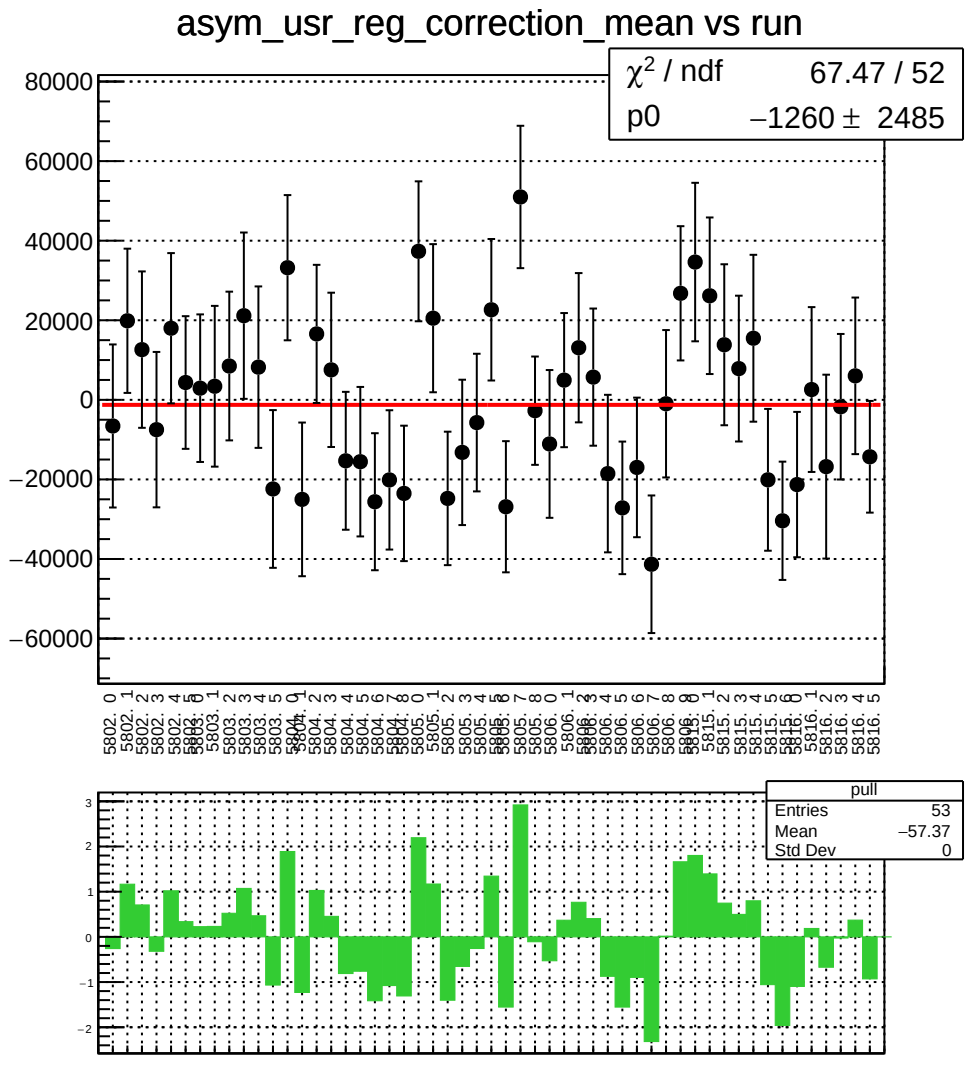
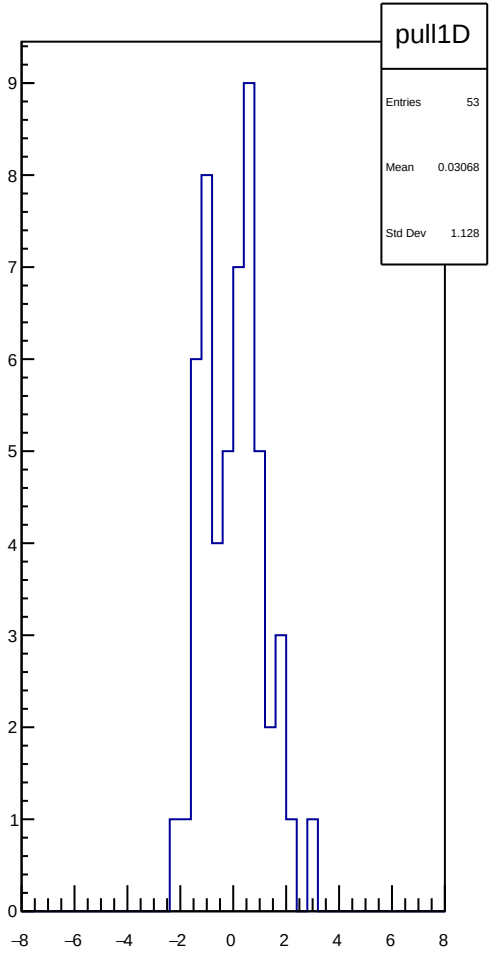
5816. 4
5816. 5

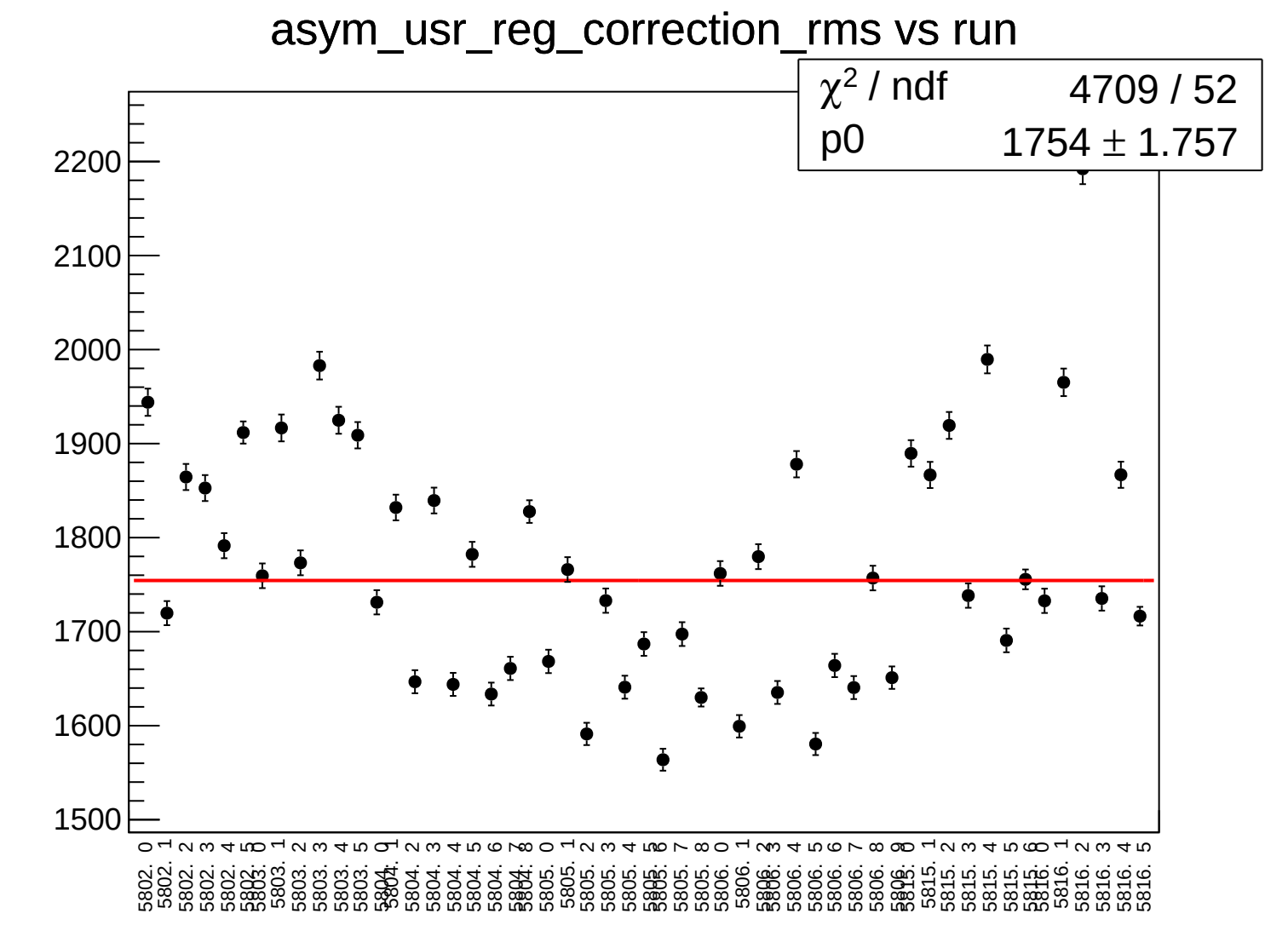

reg_asym_usr_mean vs run
χ² / ndf 47.12 / 52
p0 2189 ± 1531
pull
Entries 53
Mean 699
Std Dev 0

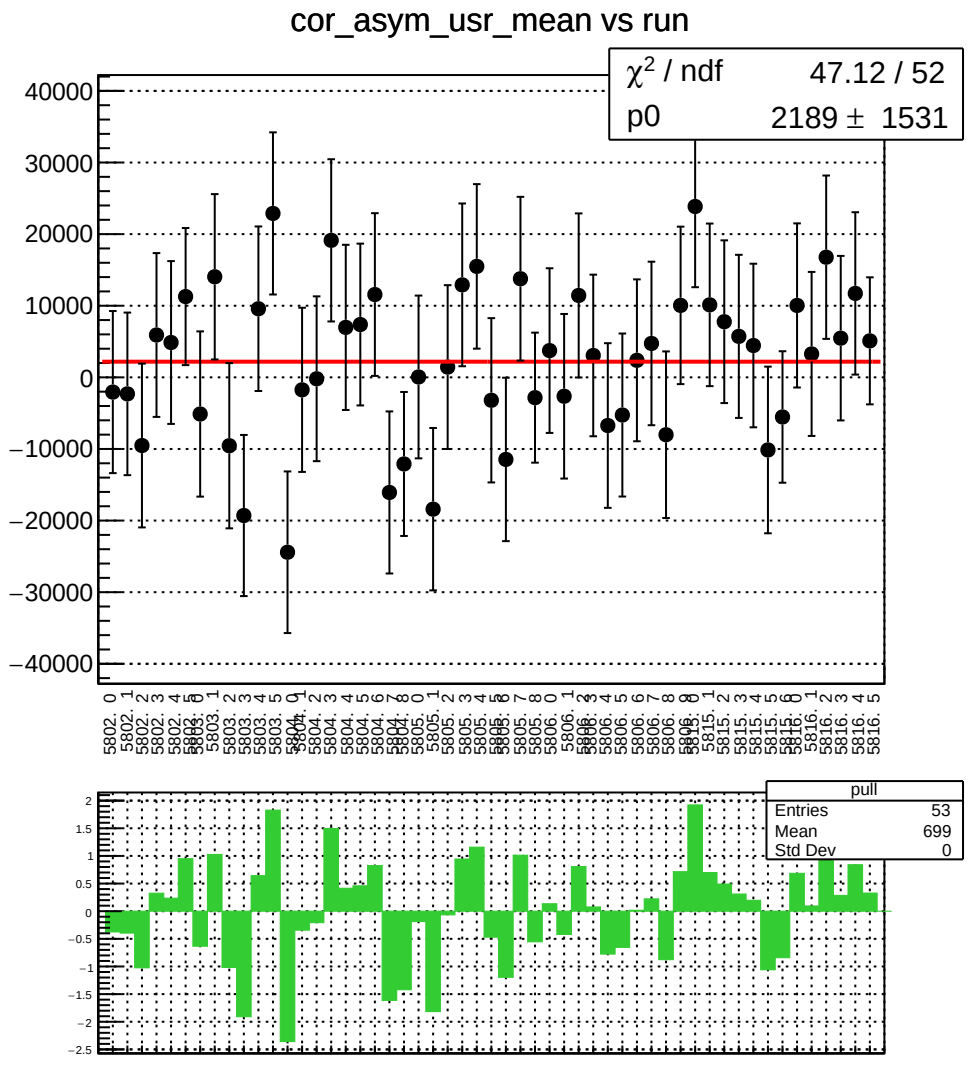

pull1D
Entries 53
Mean 0.004021
Std Dev 0.9429

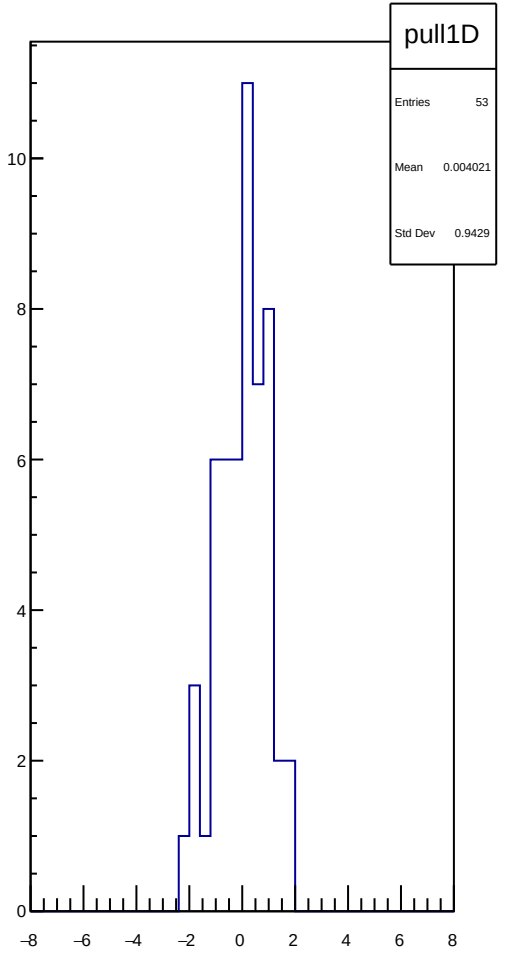

reg_asym_usr_rms vs run
χ² / ndf 59.23 / 52
p0 1083 ± 1.083
1110
1100
1090
1080
1070
1060

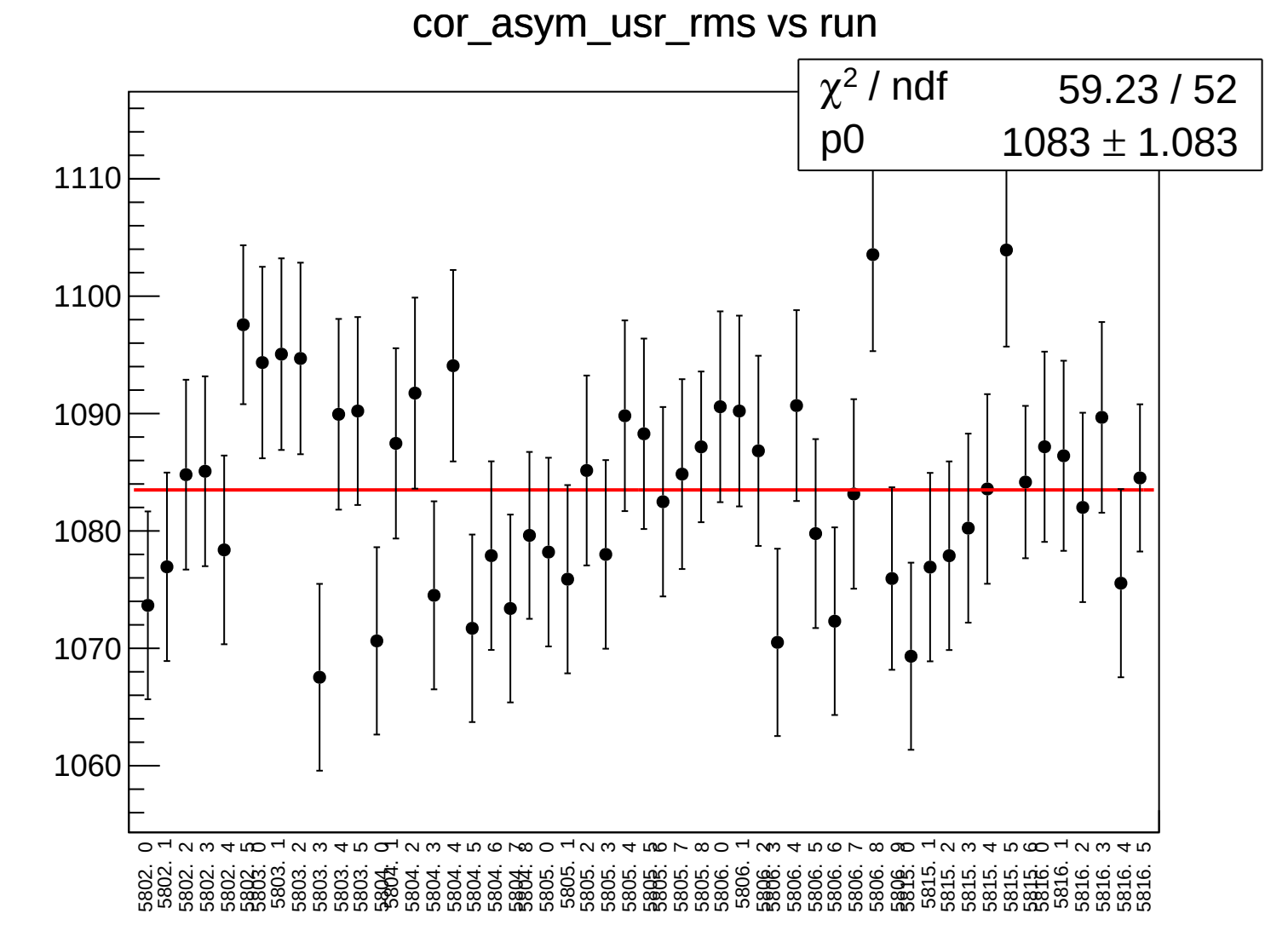

asym_usr_reg_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −1260 ± 2485
pull
Entries 53
Mean −57.37
Std Dev 0

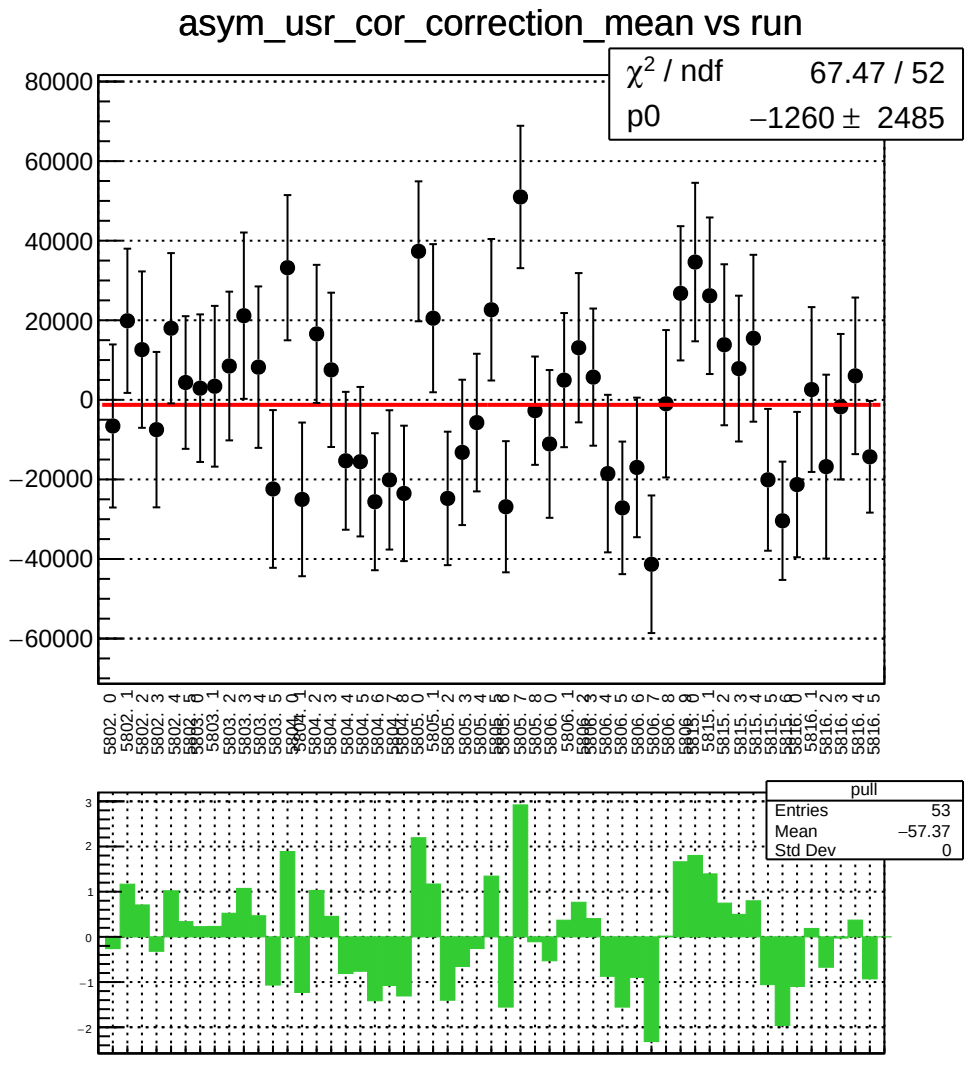

pull1D
Entries 53
Mean 0.03068
Std Dev 1.128

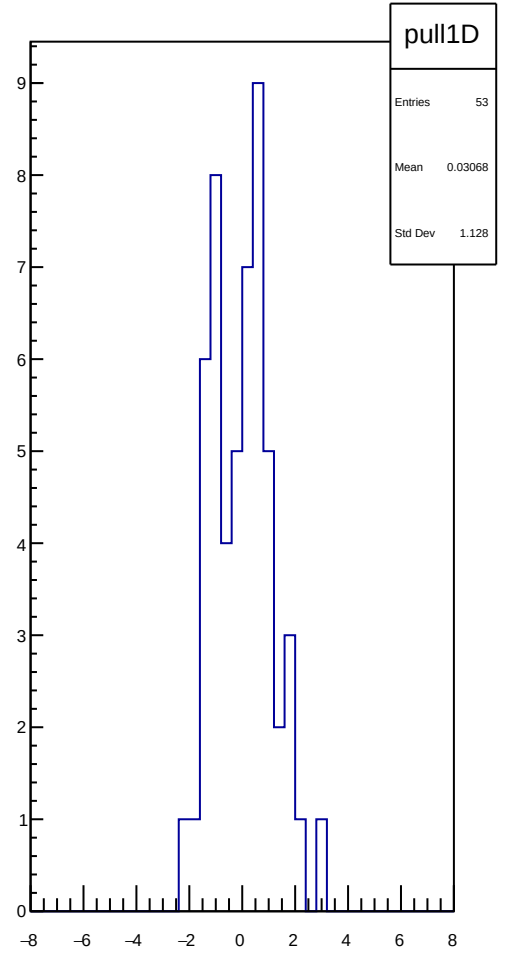

asym_usr_reg_correction_rms vs run
χ² / ndf 4709 / 52
p0 1754 ± 1.757
2200
2100
2000
1900
1800
1700
1600
1500

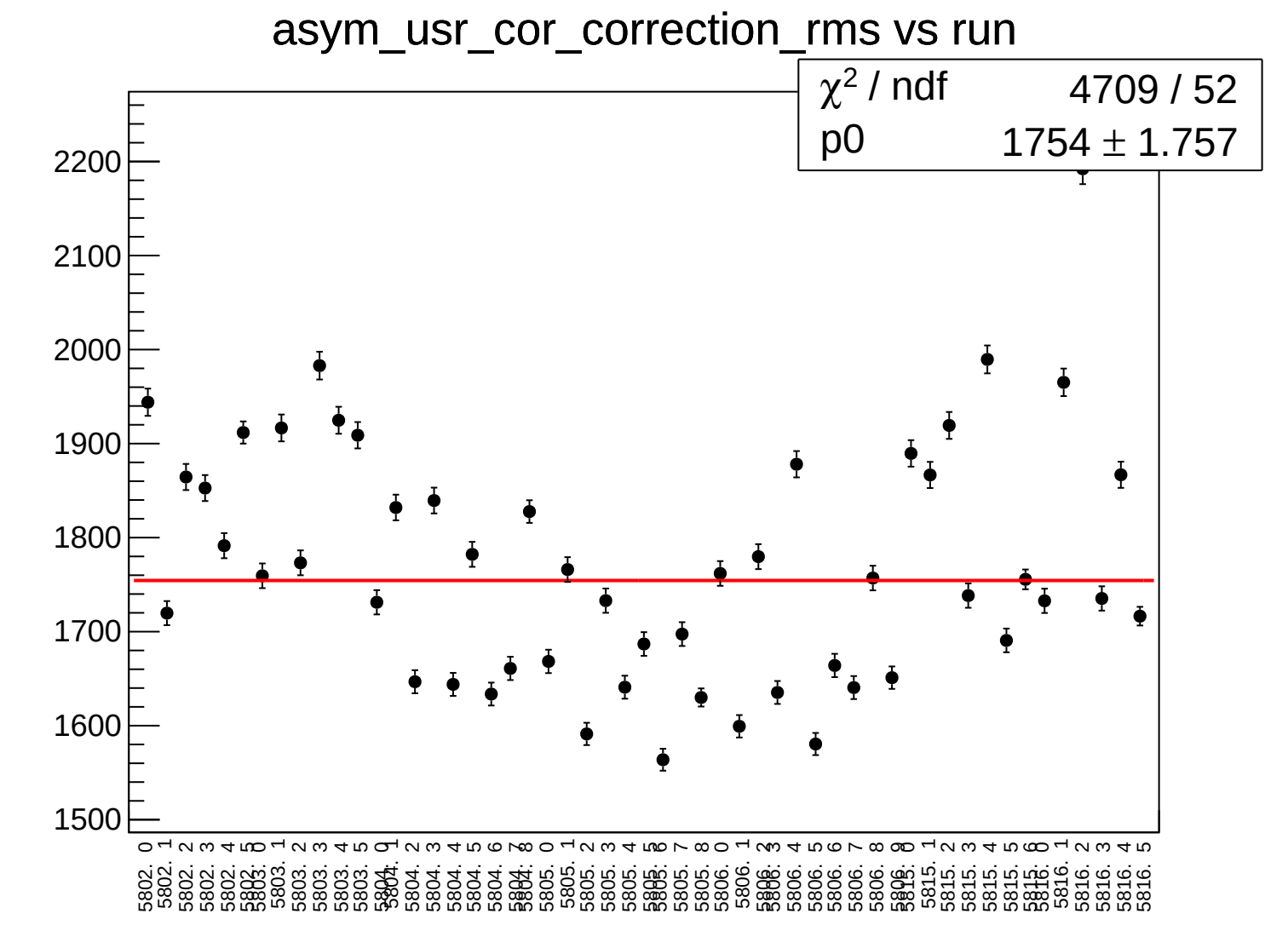

cor_asym_usr_mean vs run
χ² / ndf 47.12 / 52
p0 2189 ± 1531
pull
Entries 53
Mean 699
Std Dev 0

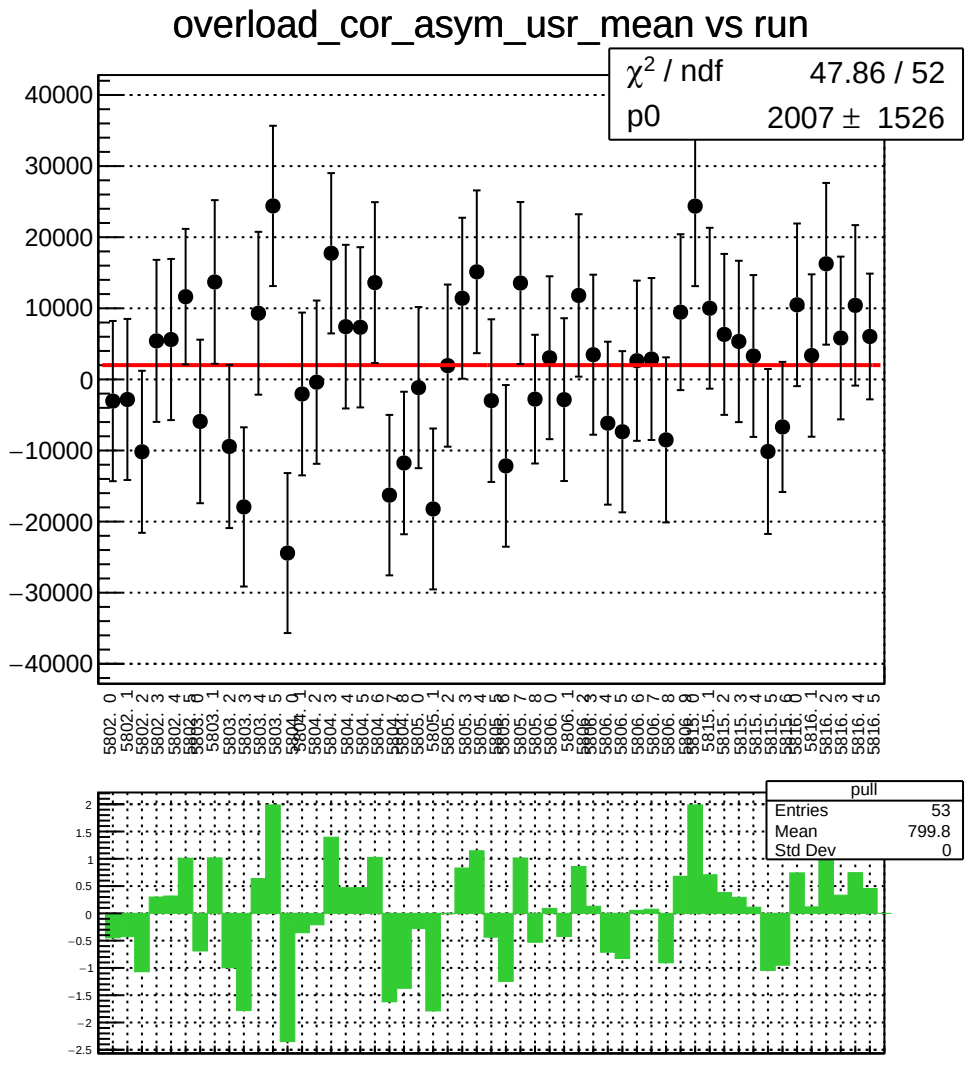

pull1D
Entries 53
Mean 0.004021
Std Dev 0.9429

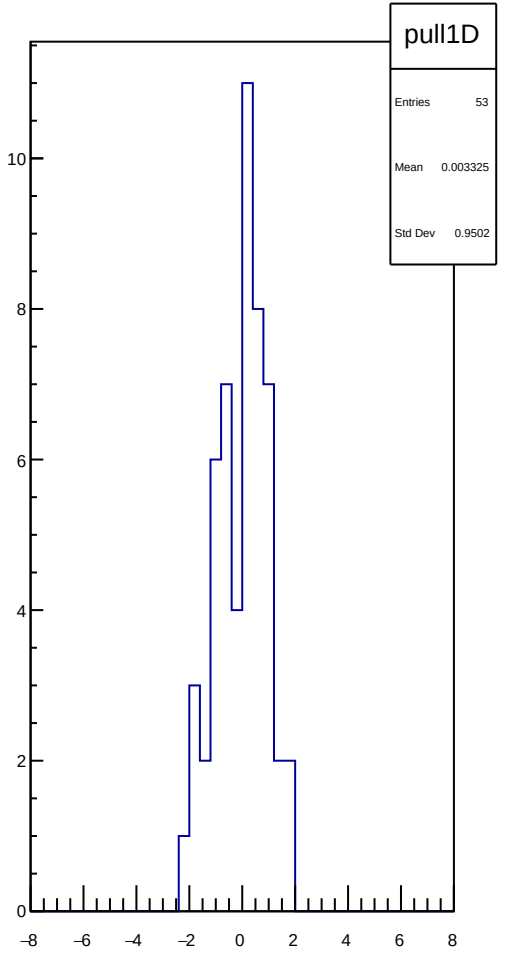

cor_asym_usr_rms vs run
χ² / ndf 59.23 / 52
p0 1083 ± 1.083
1110
1100
1090
1080
1070
1060

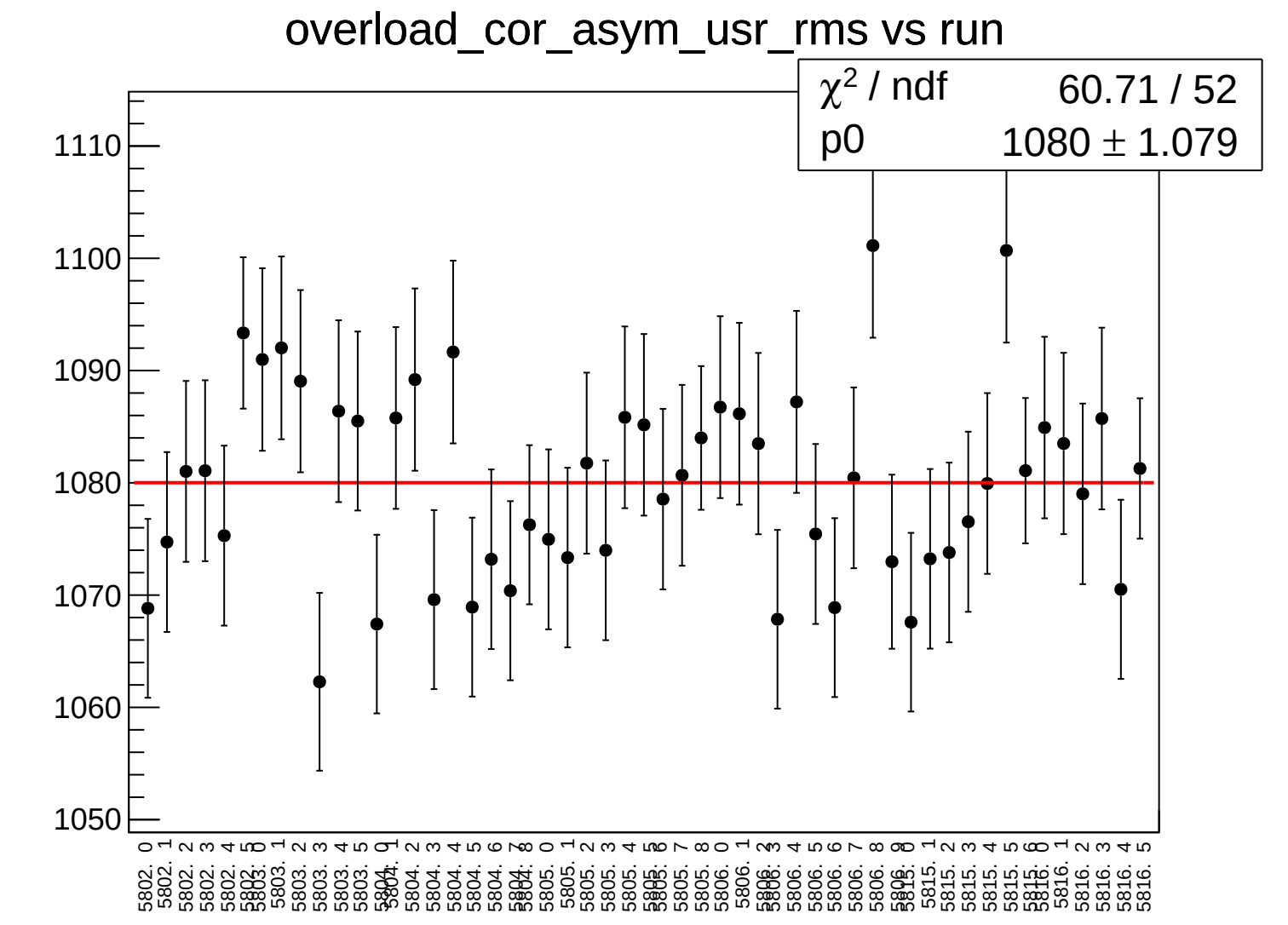

asym_usr_cor_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −1260 ± 2485
pull
Entries 53
Mean −57.37
Std Dev 0


pull1D
Entries 53
Mean 0.03068
Std Dev 1.128


asym_usr_cor_correction_rms vs run
χ² / ndf 4709 / 52
p0 1754 ± 1.757
2200
2100
2000
1900
1800
1700
1600
1500


overload_cor_asym_usr_mean vs run
χ² / ndf 47.86 / 52
p0 2007 ± 1526
pull
Entries 53
Mean 799.8
Std Dev 0


pull1D
Entries 53
Mean 0.003325
Std Dev 0.9502


overload_cor_asym_usr_rms vs run
χ² / ndf 60.71 / 52
p0 1080 ± 1.079
1110
1100
1090
1080
1070
1060
1050
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
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5805. 4
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5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
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5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
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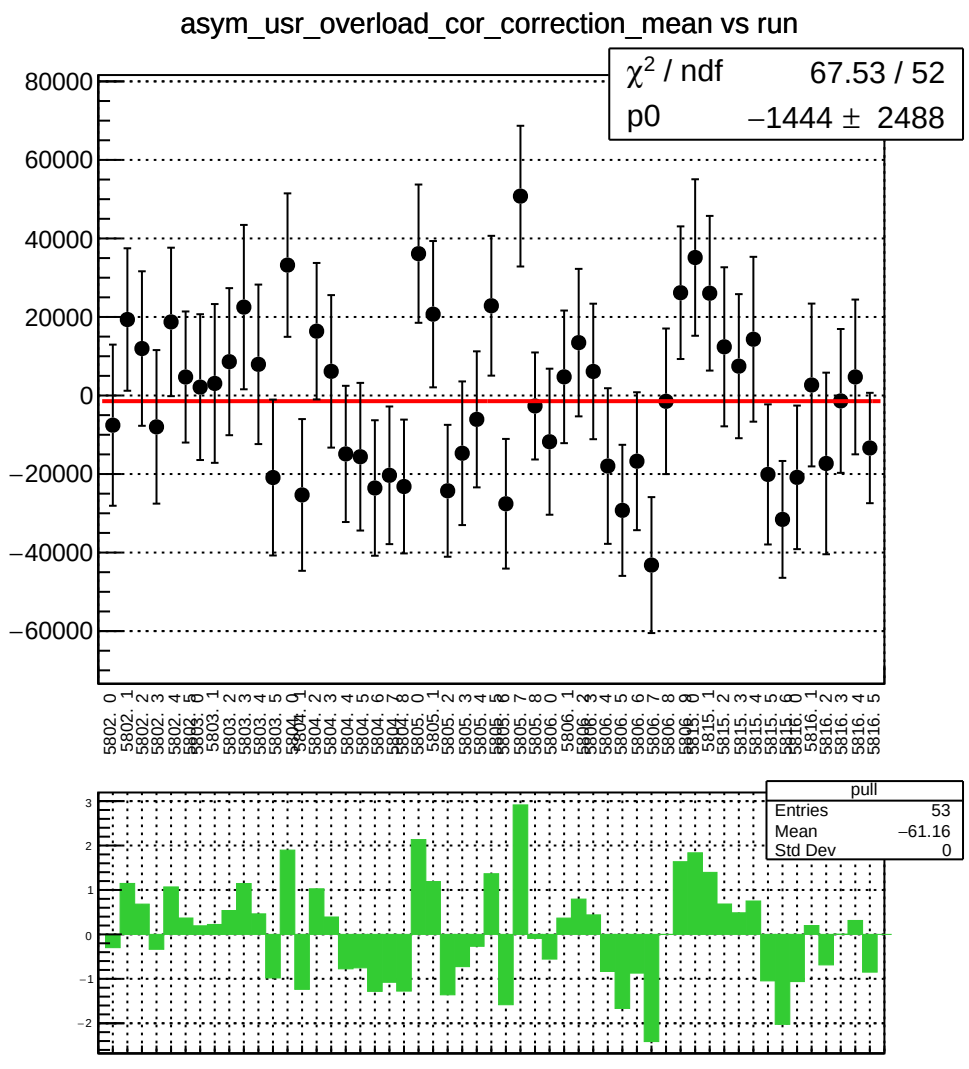
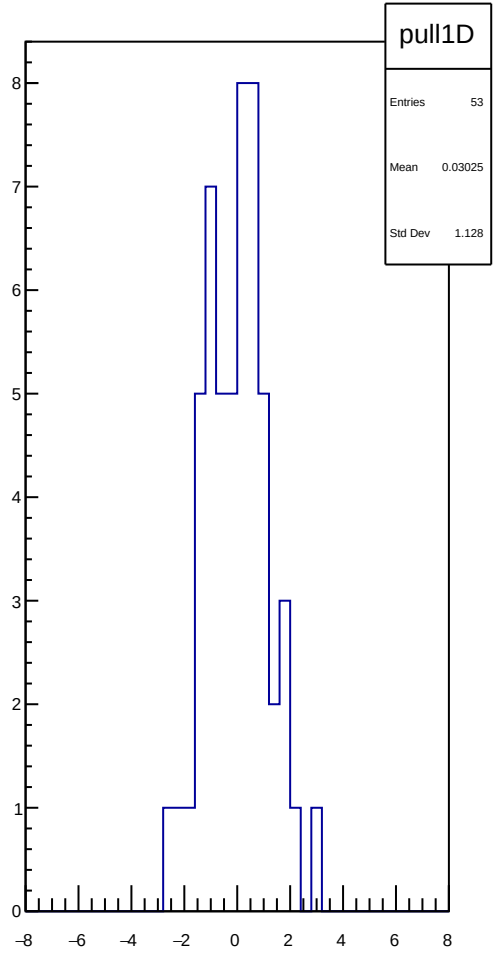
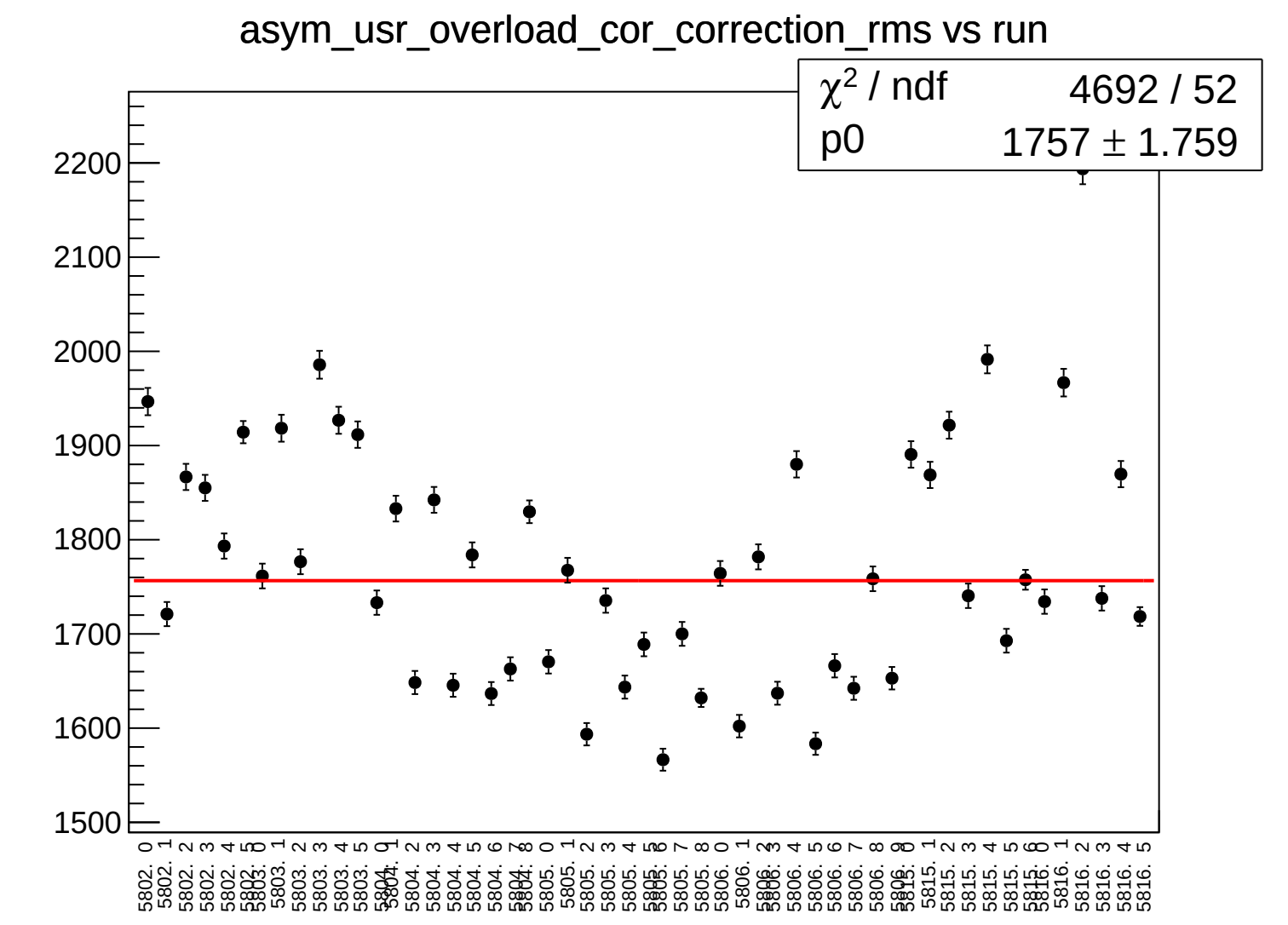
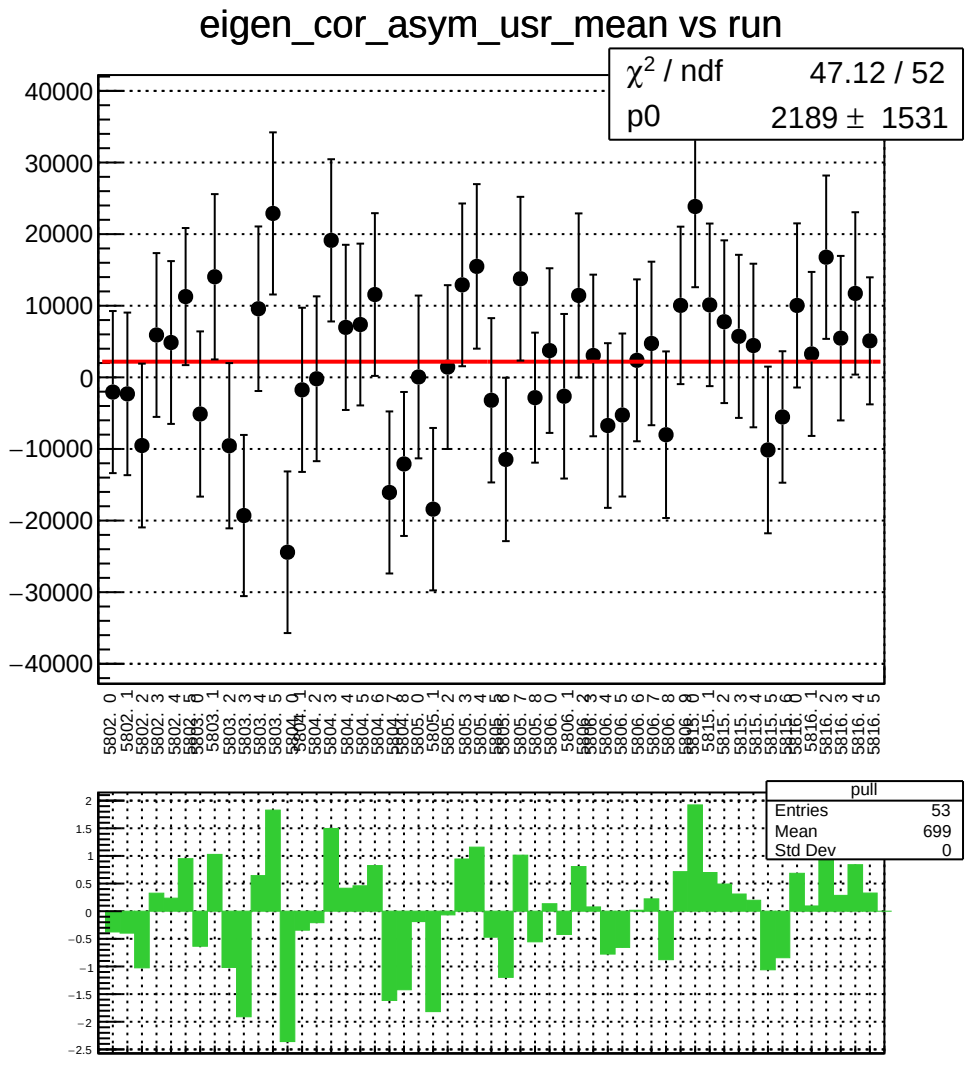
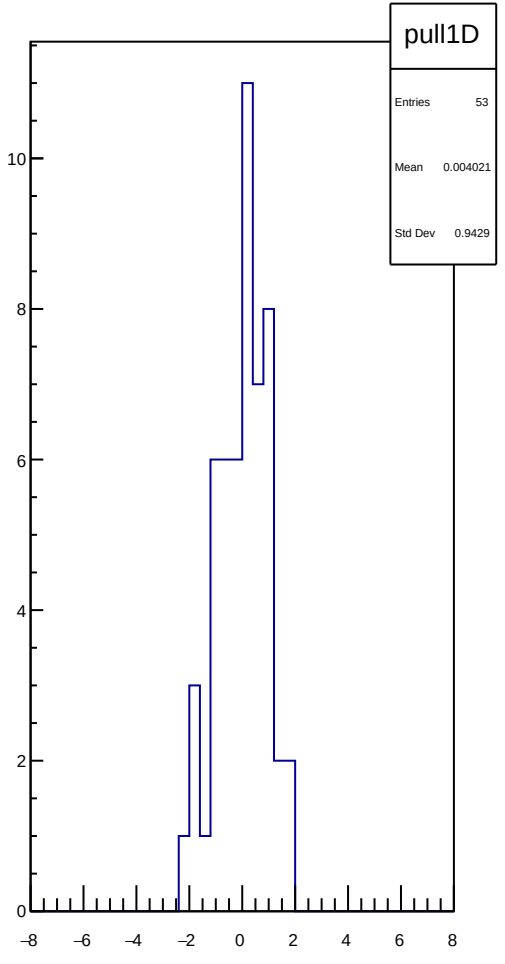
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

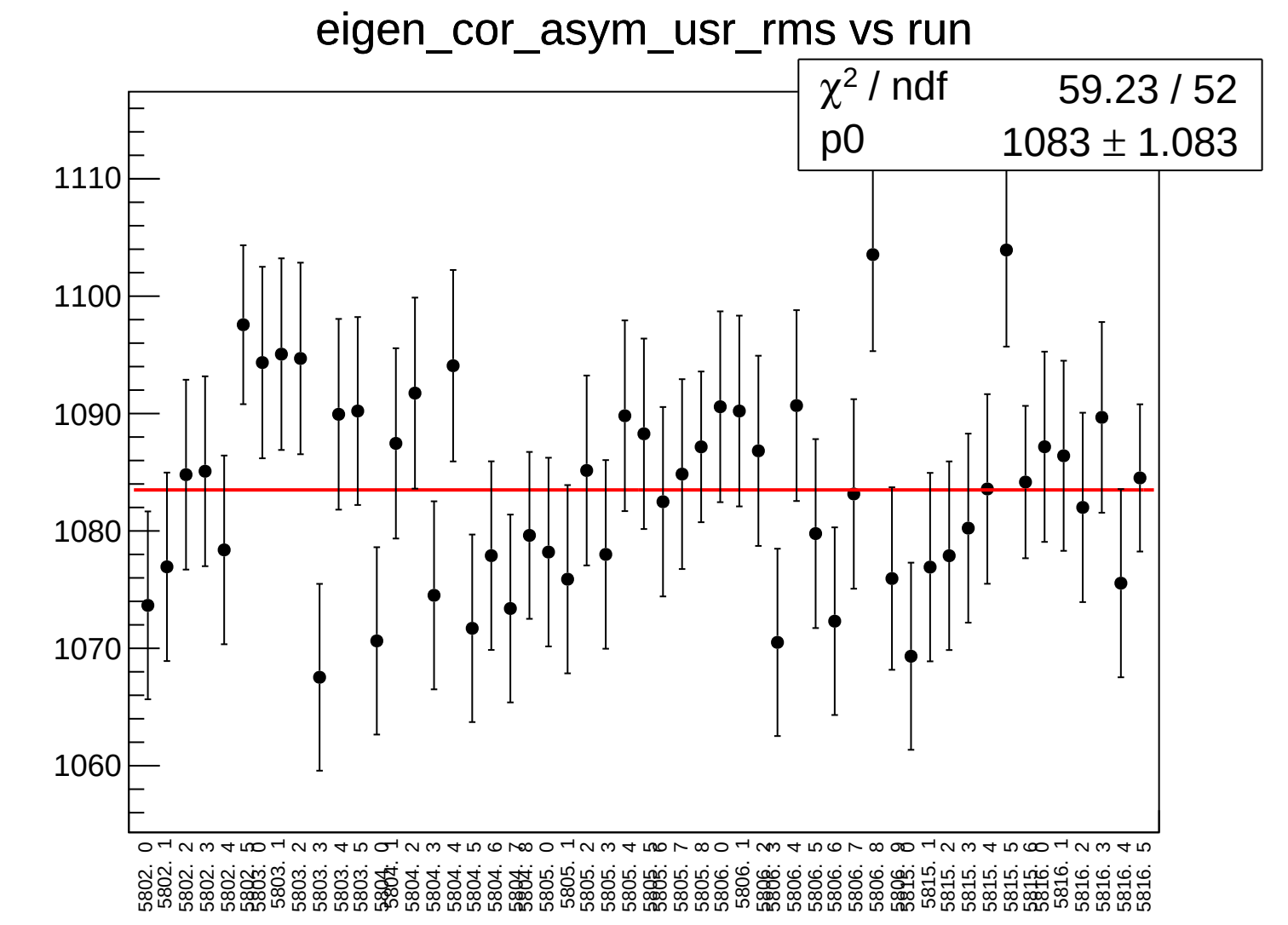

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 67.53 / 52
p0 −1444 ± 2488
pull
Entries 53
Mean −61.16
Std Dev 0

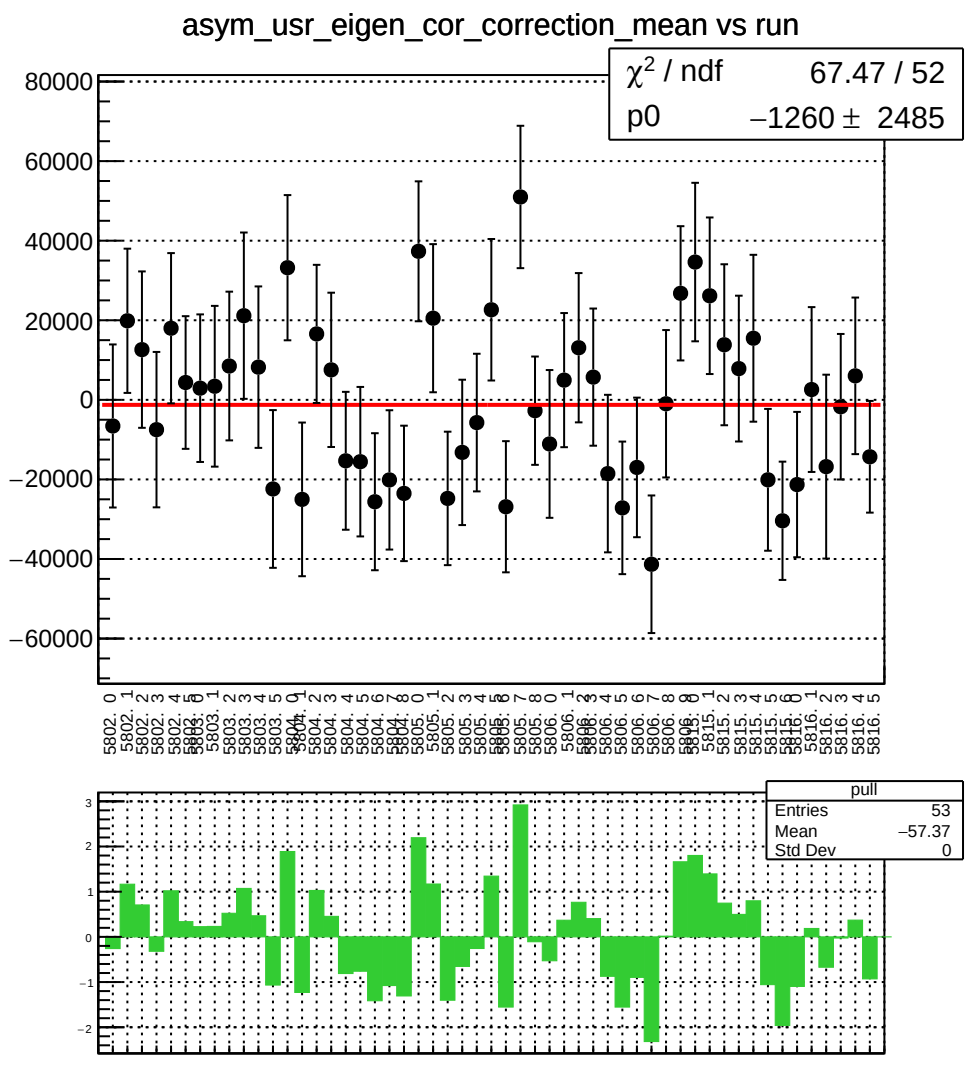

pull1D
Entries 53
Mean 0.03025
Std Dev 1.128

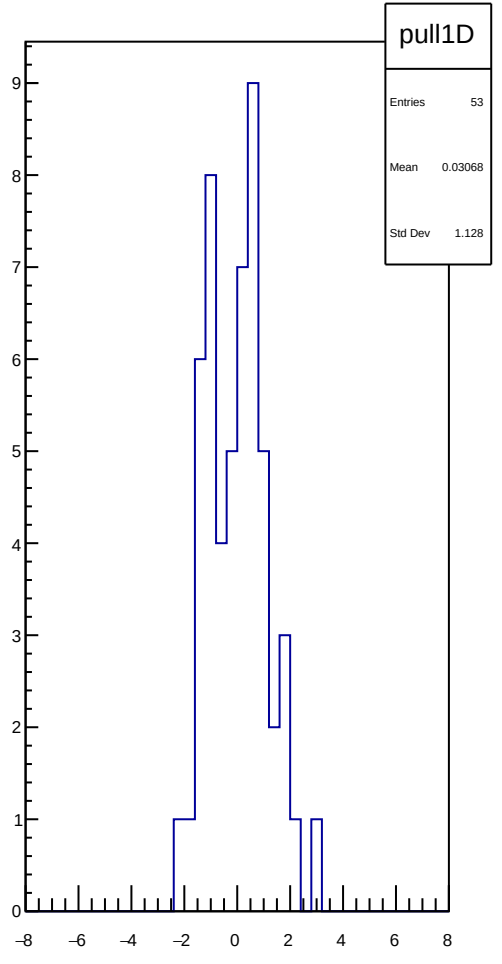

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 4692 / 52
p0 1757 ± 1.759
2200
2100
2000
1900
1800
1700
1600
1500

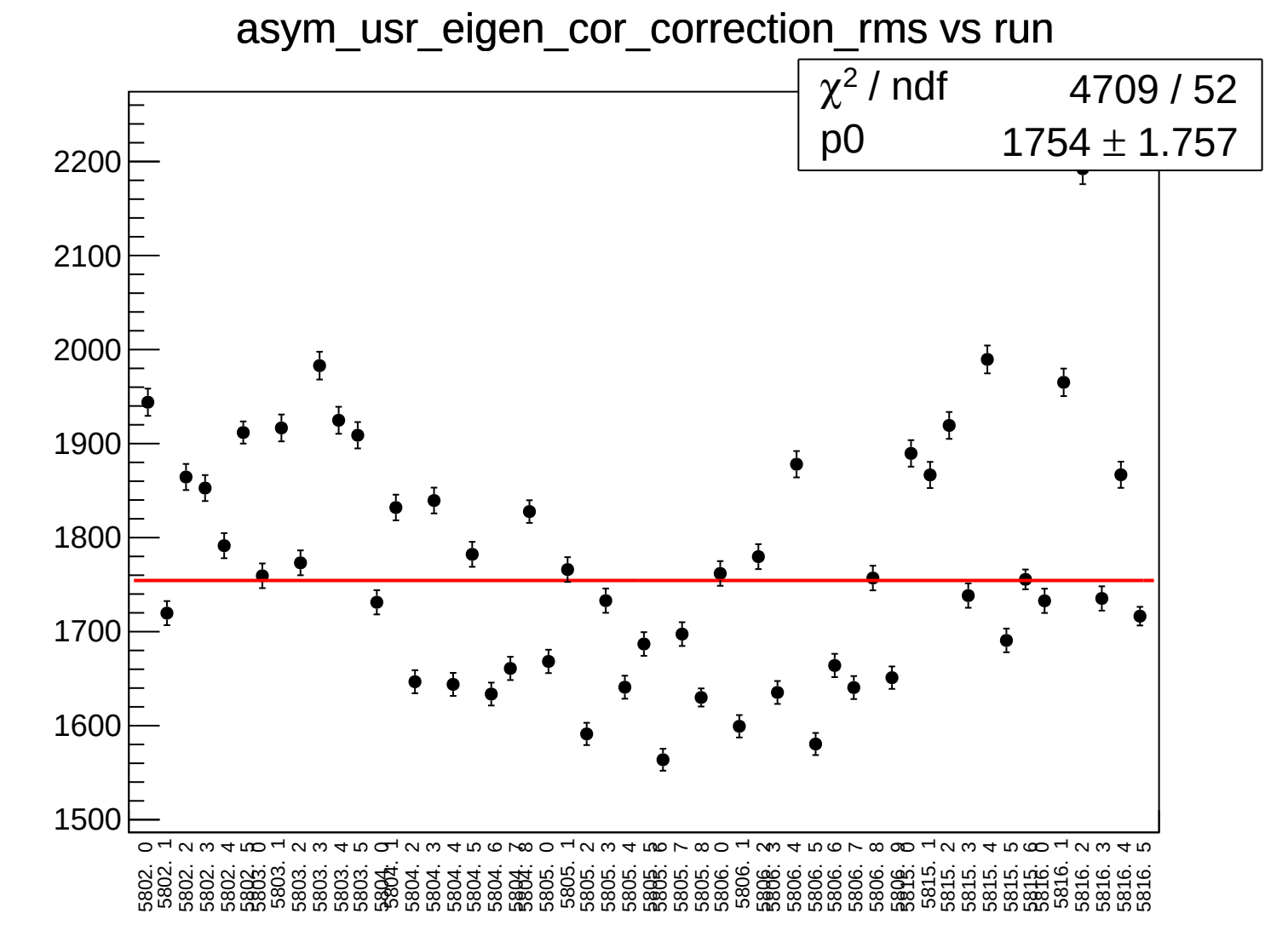

eigen_cor_asym_usr_mean vs run
χ² / ndf 47.12 / 52
p0 2189 ± 1531
pull
Entries 53
Mean 699
Std Dev 0

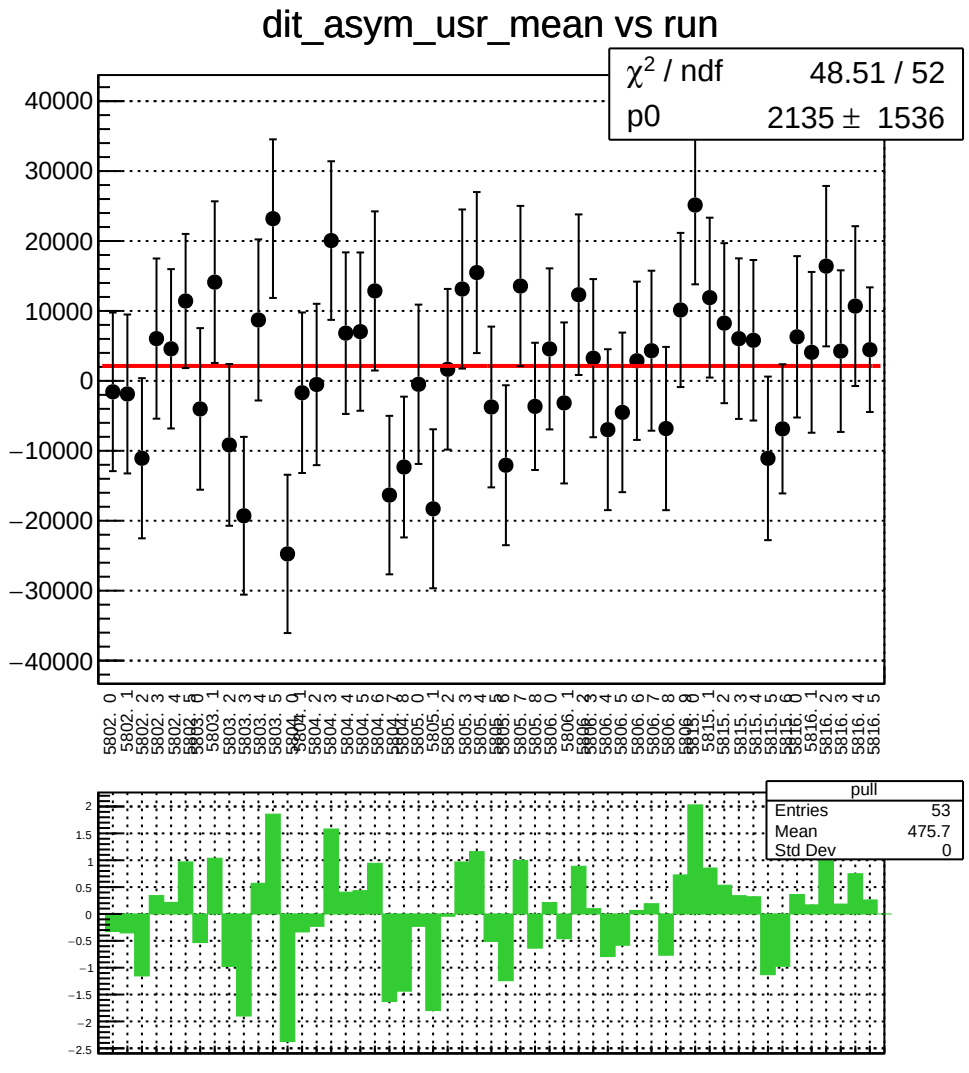

pull1D
Entries 53
Mean 0.004021
Std Dev 0.9429

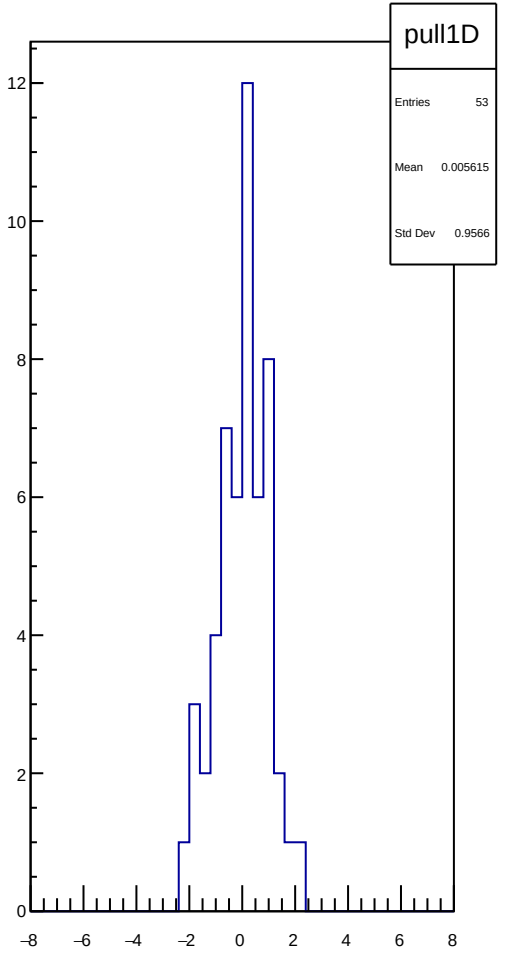

eigen_cor_asym_usr_rms vs run
χ² / ndf 59.23 / 52
p0 1083 ± 1.083
1110
1100
1090
1080
1070
1060

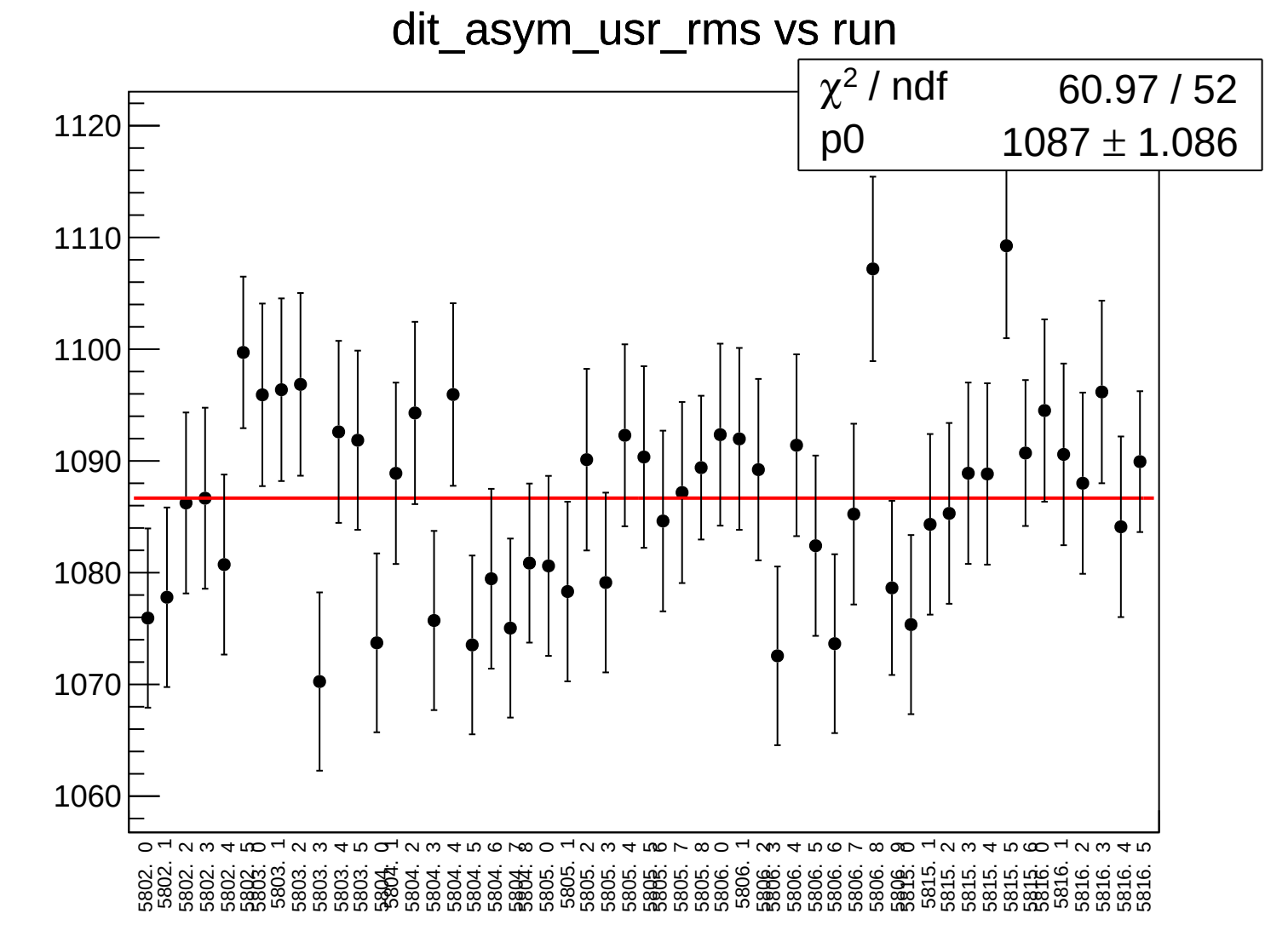

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −1260 ± 2485
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −57.37
Std Dev 0
3
2
1
0
−1
−2

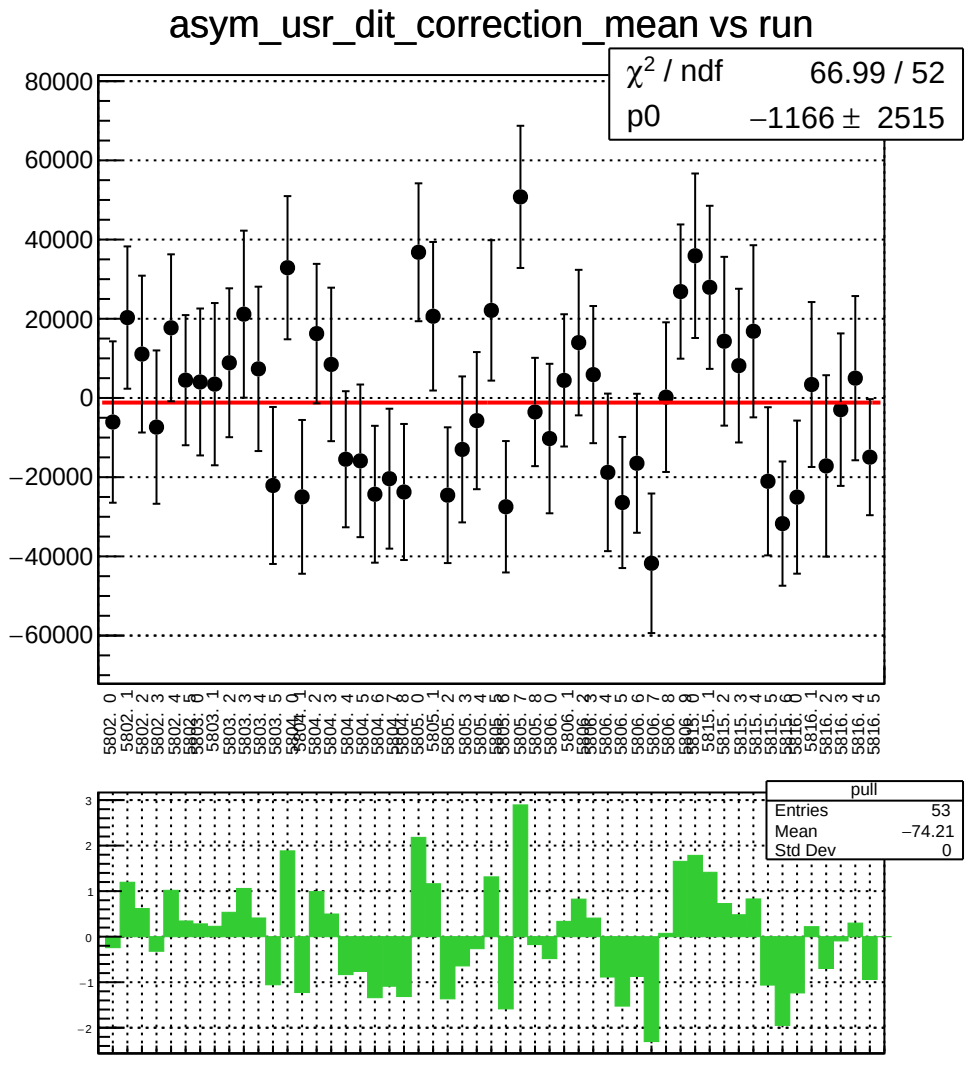

pull1D
Entries 53
Mean 0.03068
Std Dev 1.128
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

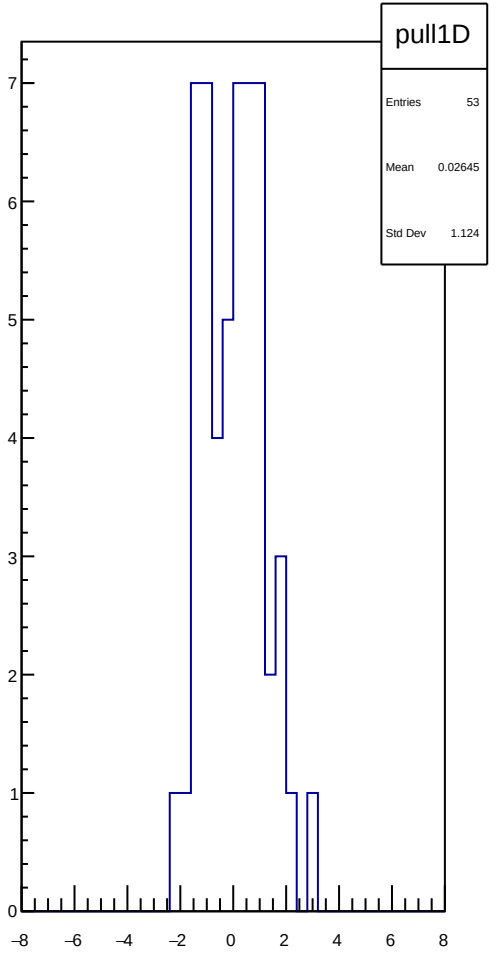

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 4709 / 52
p0 1754 ± 1.757
2200
2100
2000
1900
1800
1700
1600
1500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

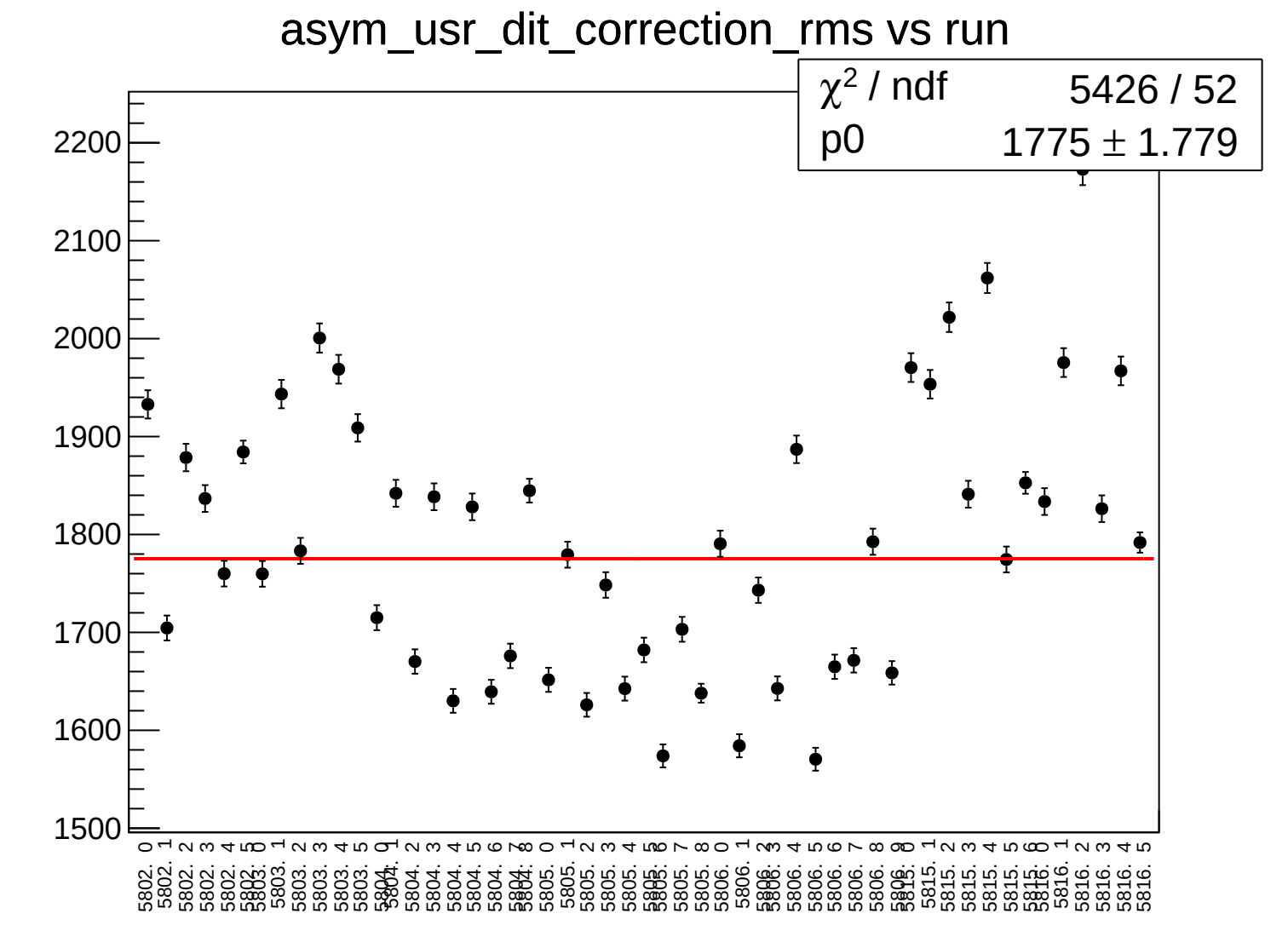

dit_asym_usr_mean vs run
χ² / ndf 48.51 / 52
p0 2135 ± 1536
pull
Entries 53
Mean 475.7
Std Dev 0

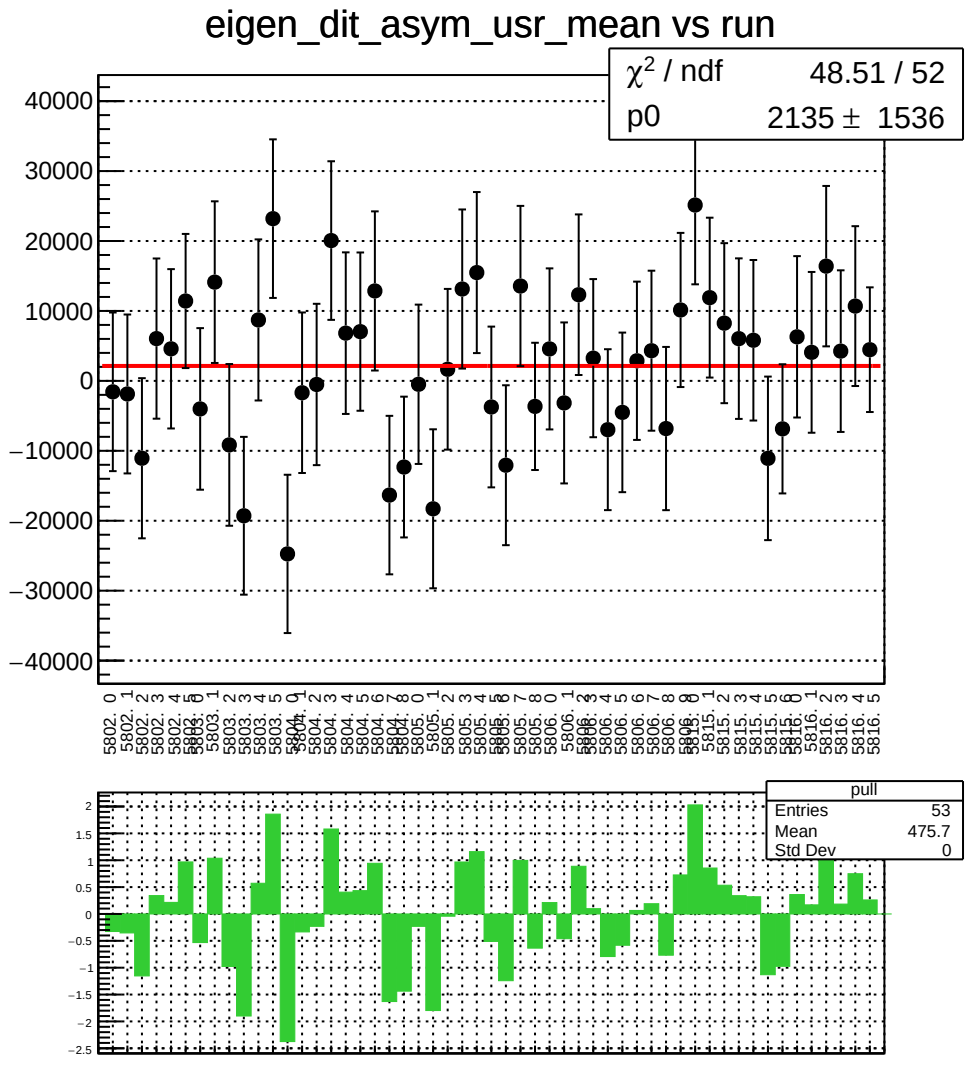

pull1D
Entries 53
Mean 0.005615
Std Dev 0.9566

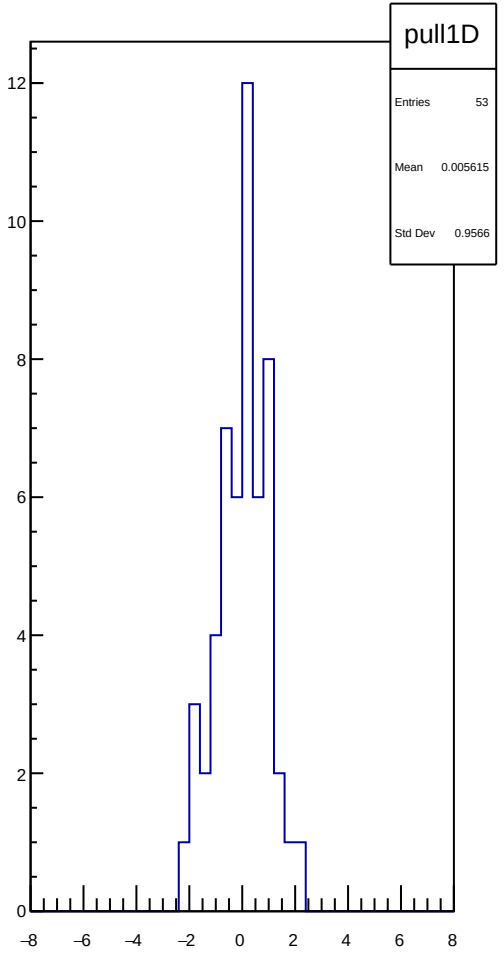

dit_asym_usr_rms vs run
χ² / ndf 60.97 / 52
p0 1087 ± 1.086
1120
1110
1100
1090
1080
1070
1060
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

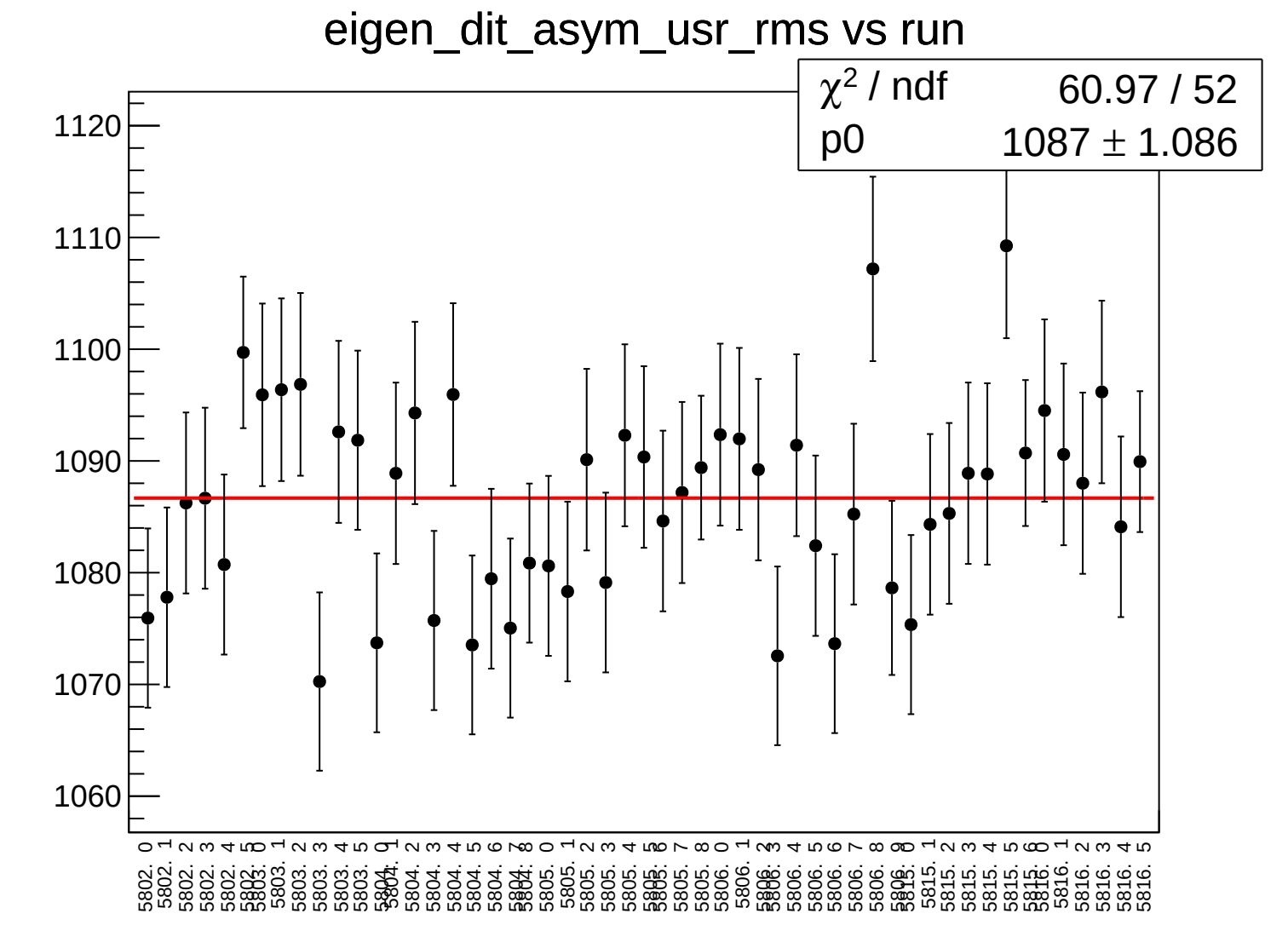

asym_usr_dit_correction_mean vs run
χ² / ndf 66.99 / 52
p0 −1166 ± 2515
pull
Entries 53
Mean −74.21
Std Dev 0

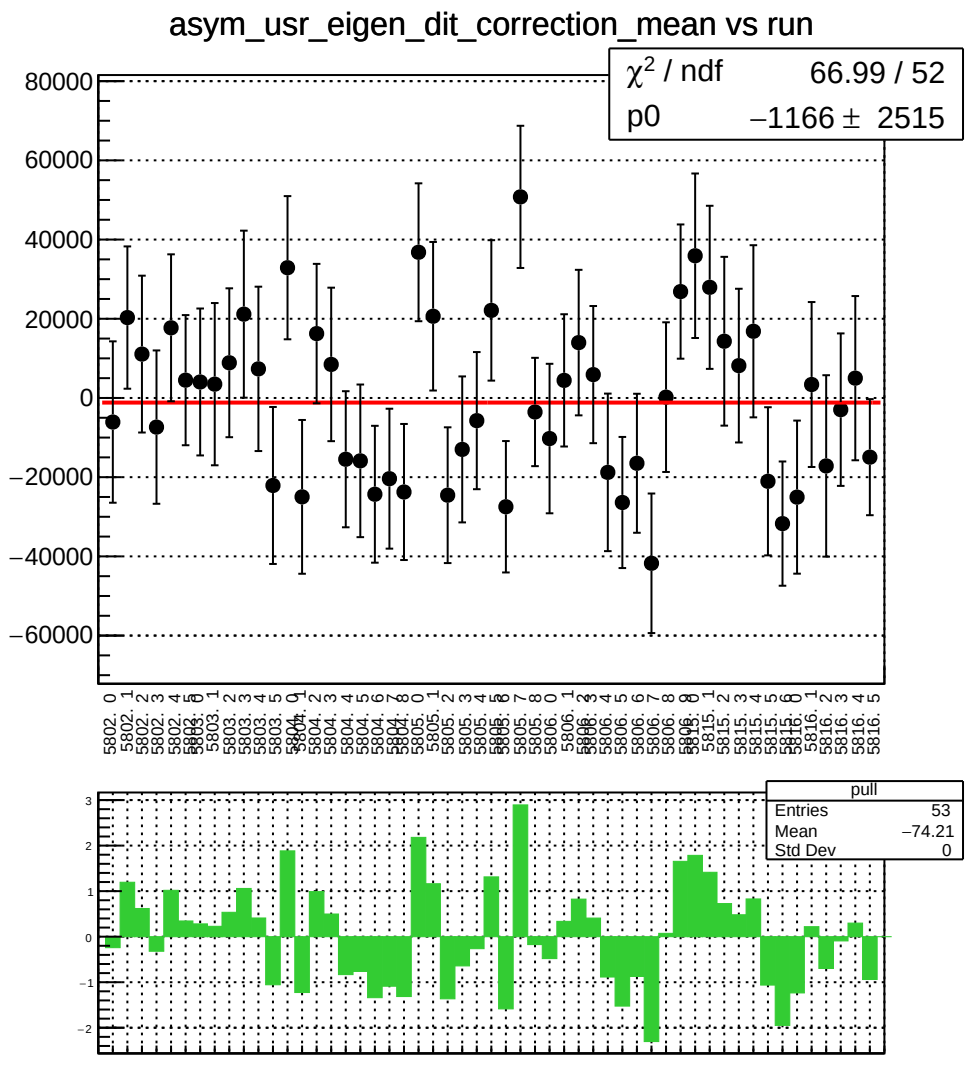

pull1D
Entries 53
Mean 0.02645
Std Dev 1.124

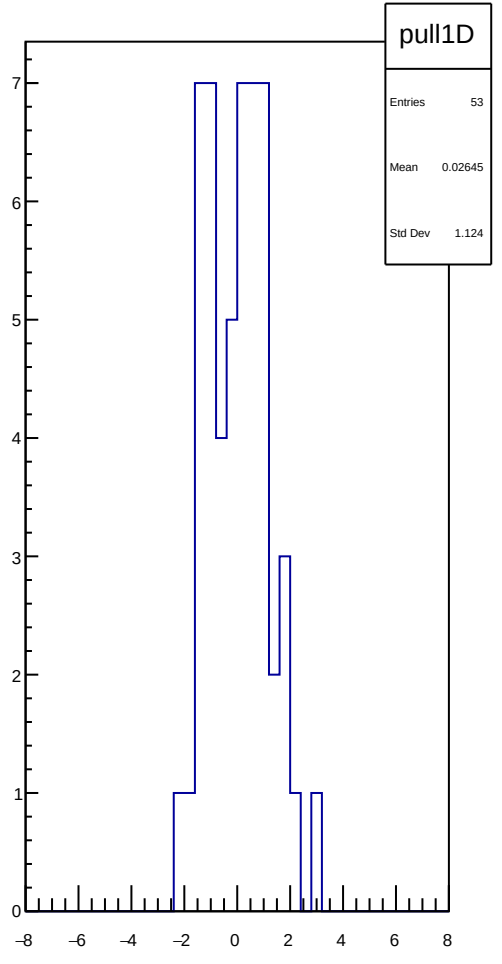

asym_usr_dit_correction_rms vs run
χ² / ndf 5426 / 52
p0 1775 ± 1.779
2200
2100
2000
1900
1800
1700
1600
1500

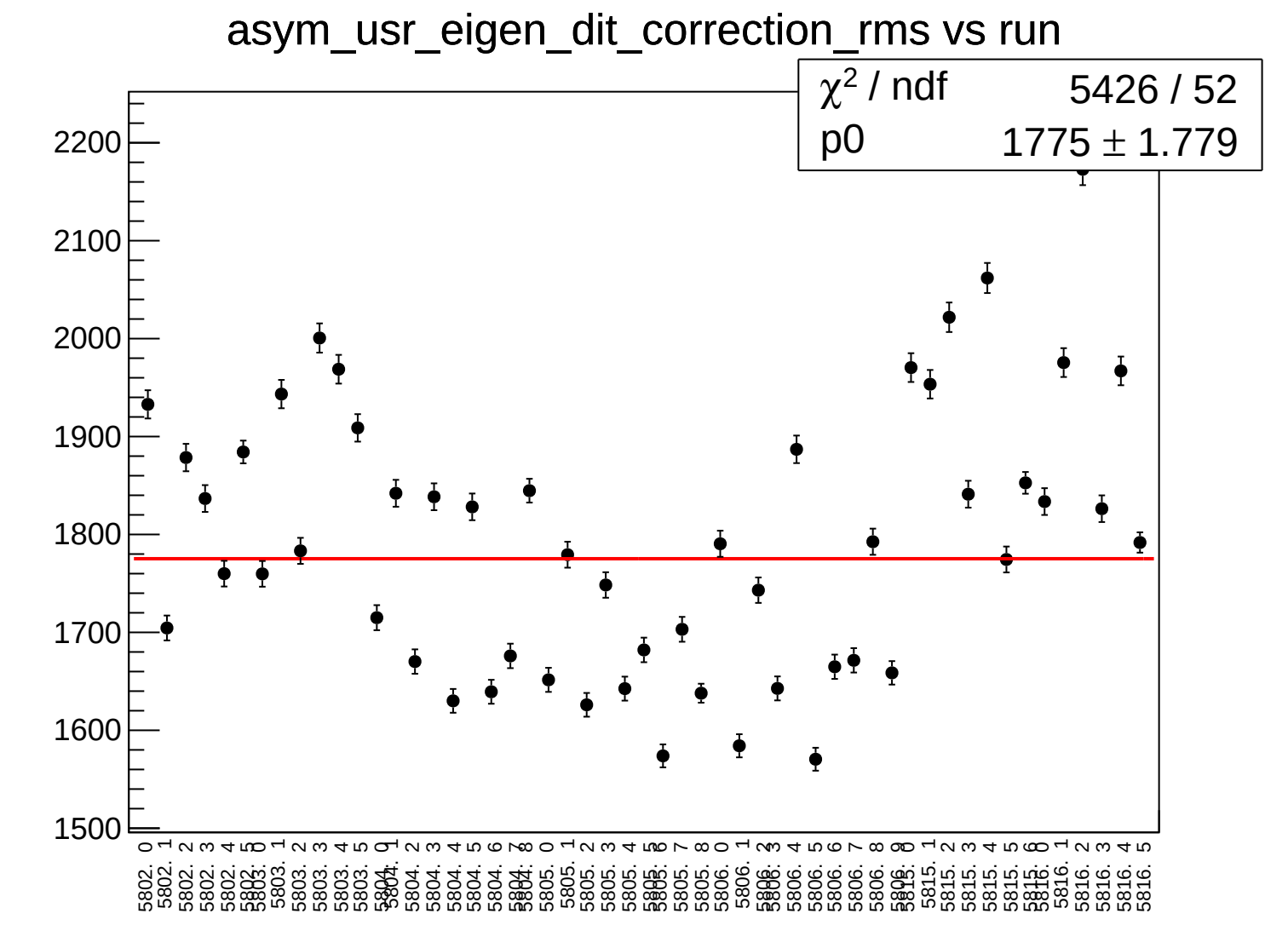

eigen_dit_asym_usr_mean vs run
χ² / ndf 48.51 / 52
p0 2135 ± 1536
pull
Entries 53
Mean 475.7
Std Dev 0

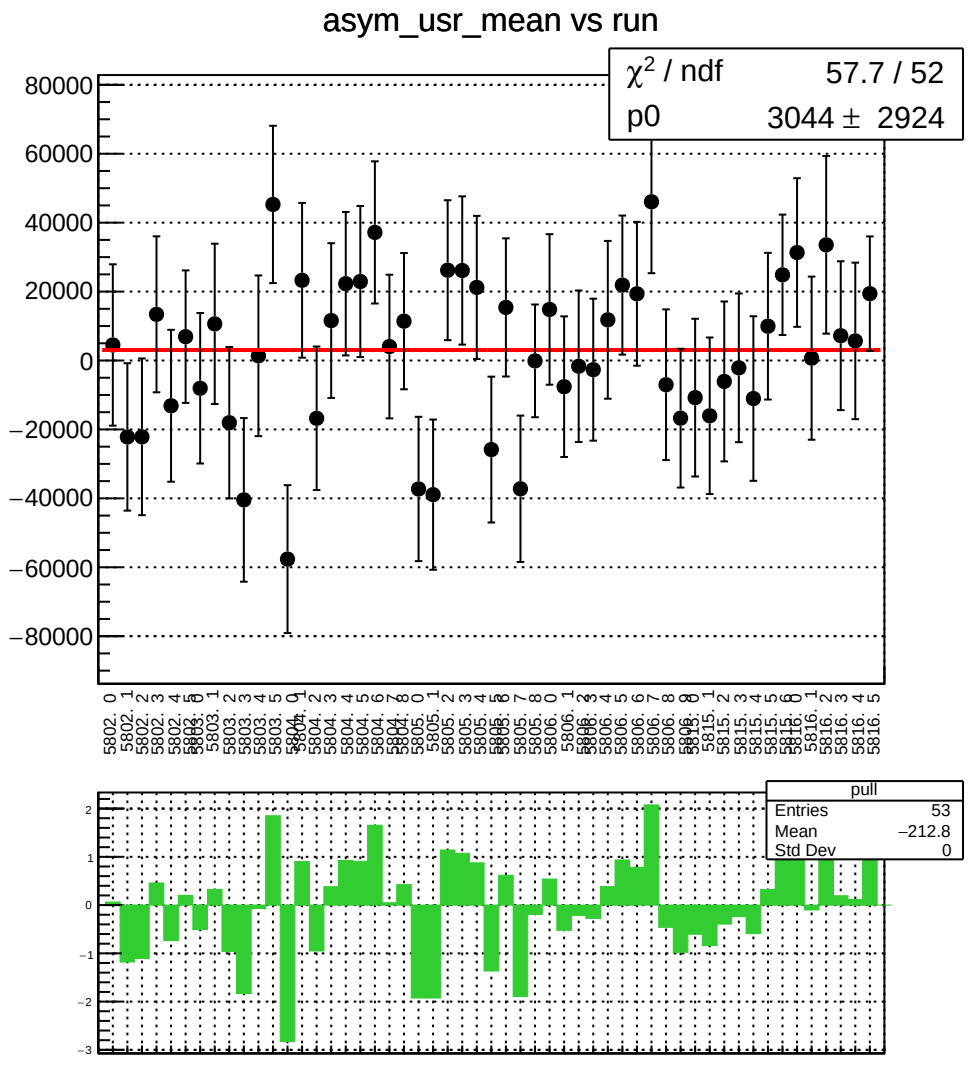

pull1D
Entries 53
Mean 0.005615
Std Dev 0.9566

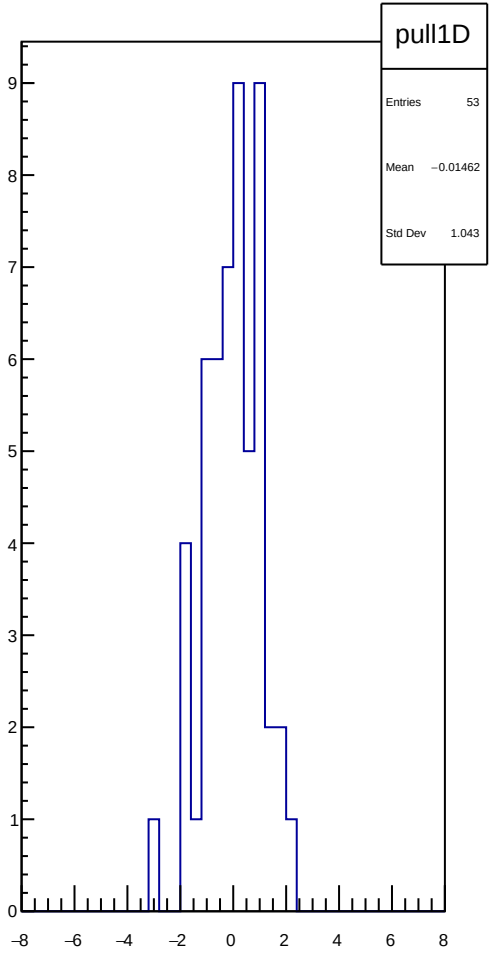

eigen_dit_asym_usr_rms vs run
χ² / ndf 60.97 / 52
p0 1087 ± 1.086
1120
1110
1100
1090
1080
1070
1060
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

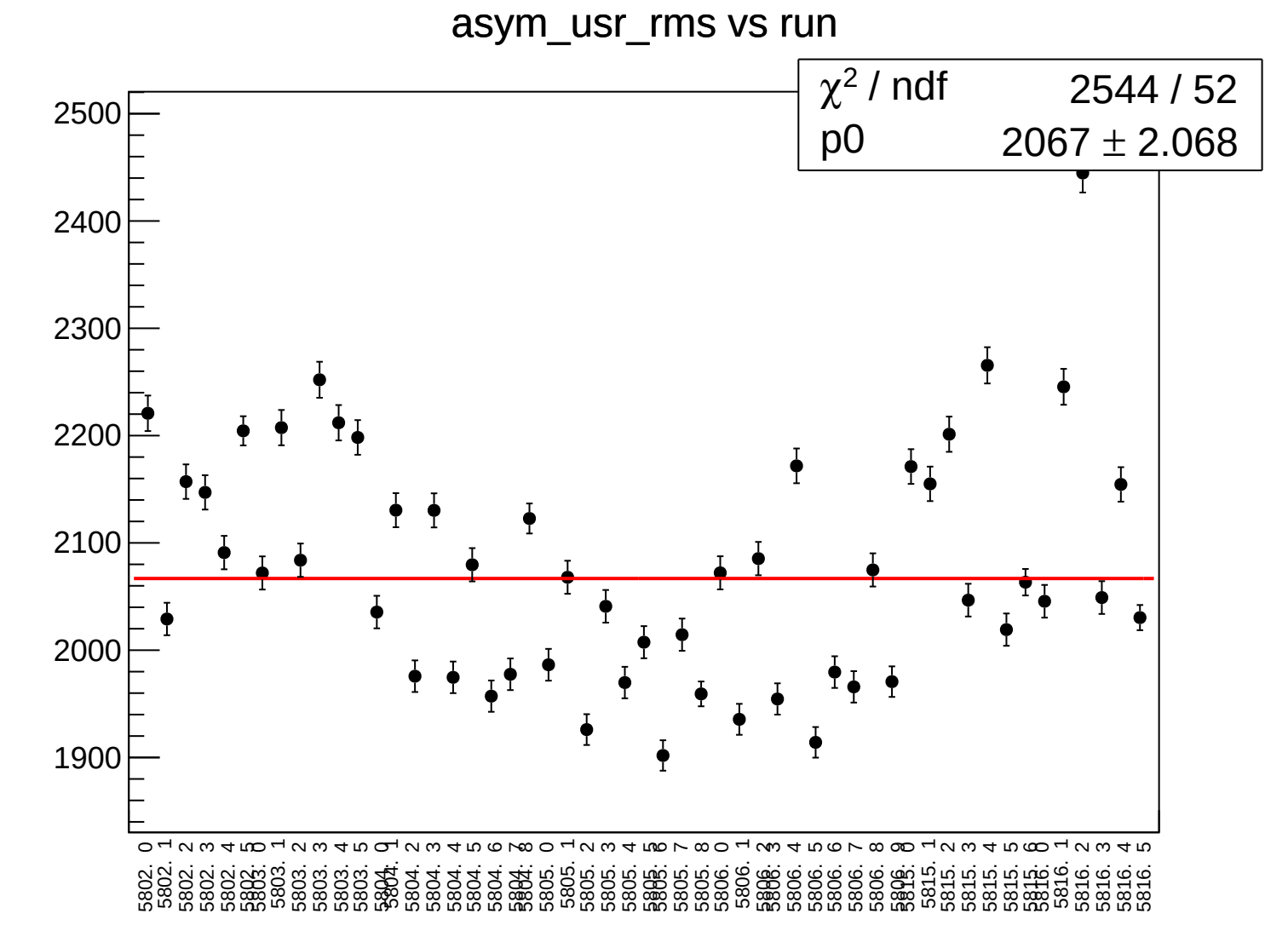

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 66.99 / 52
p0 −1166 ± 2515
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −74.21
Std Dev 0
3
2
1
0
−1
−2

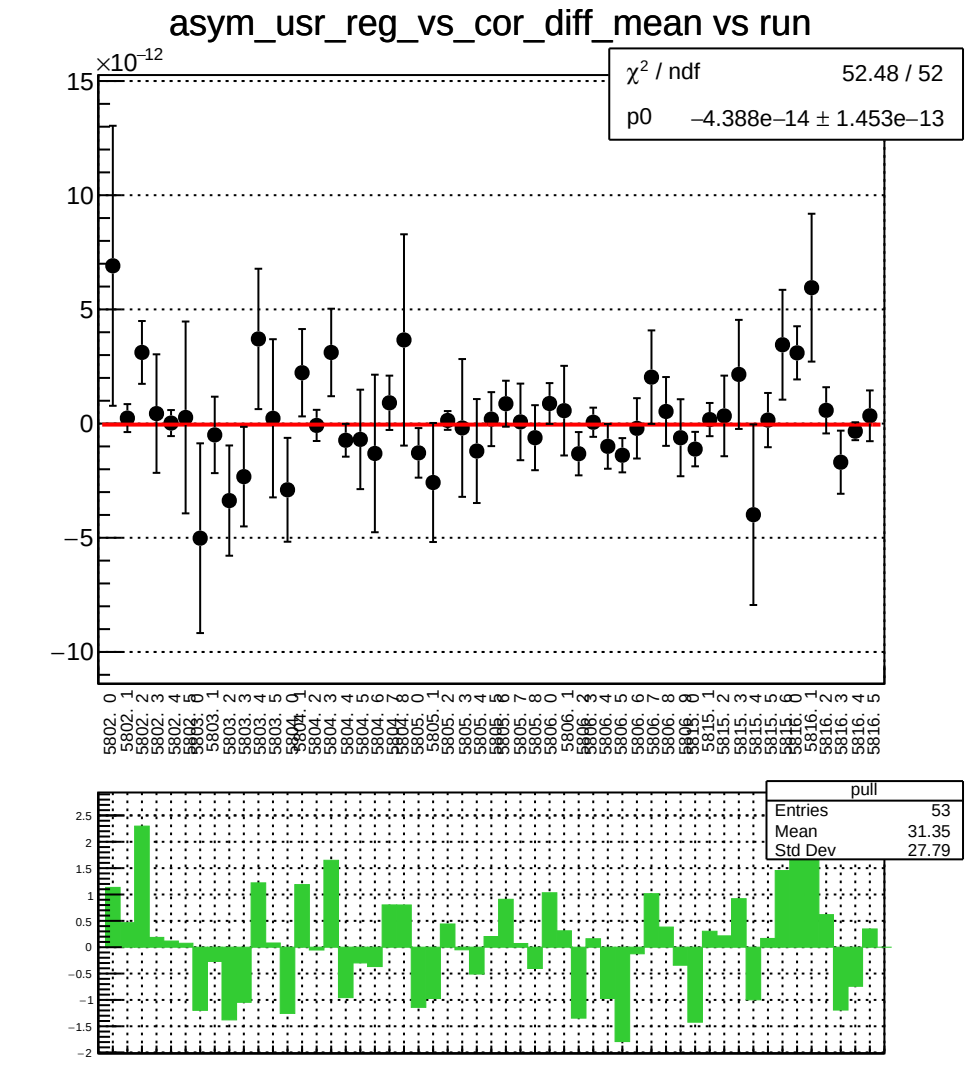

pull1D
Entries 53
Mean 0.02645
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

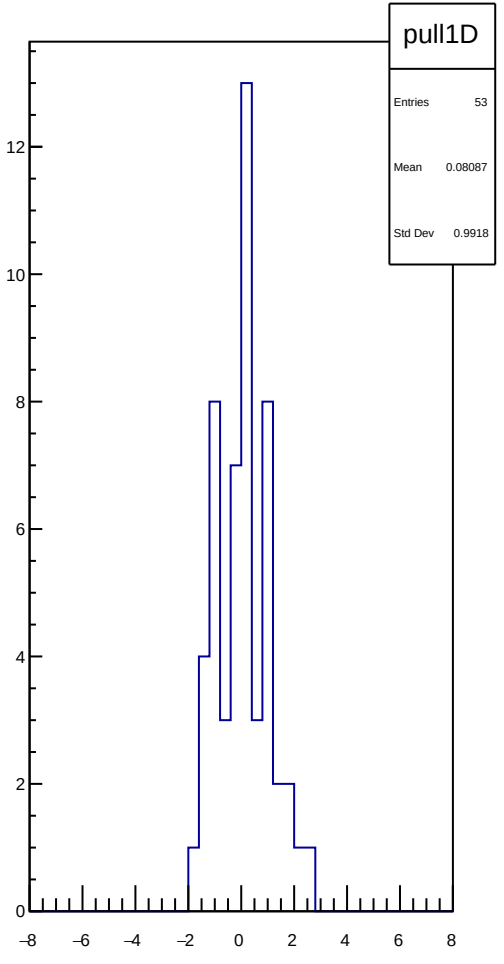

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 5426 / 52
p0 1775 ± 1.779
2200
2100
2000
1900
1800
1700
1600
1500

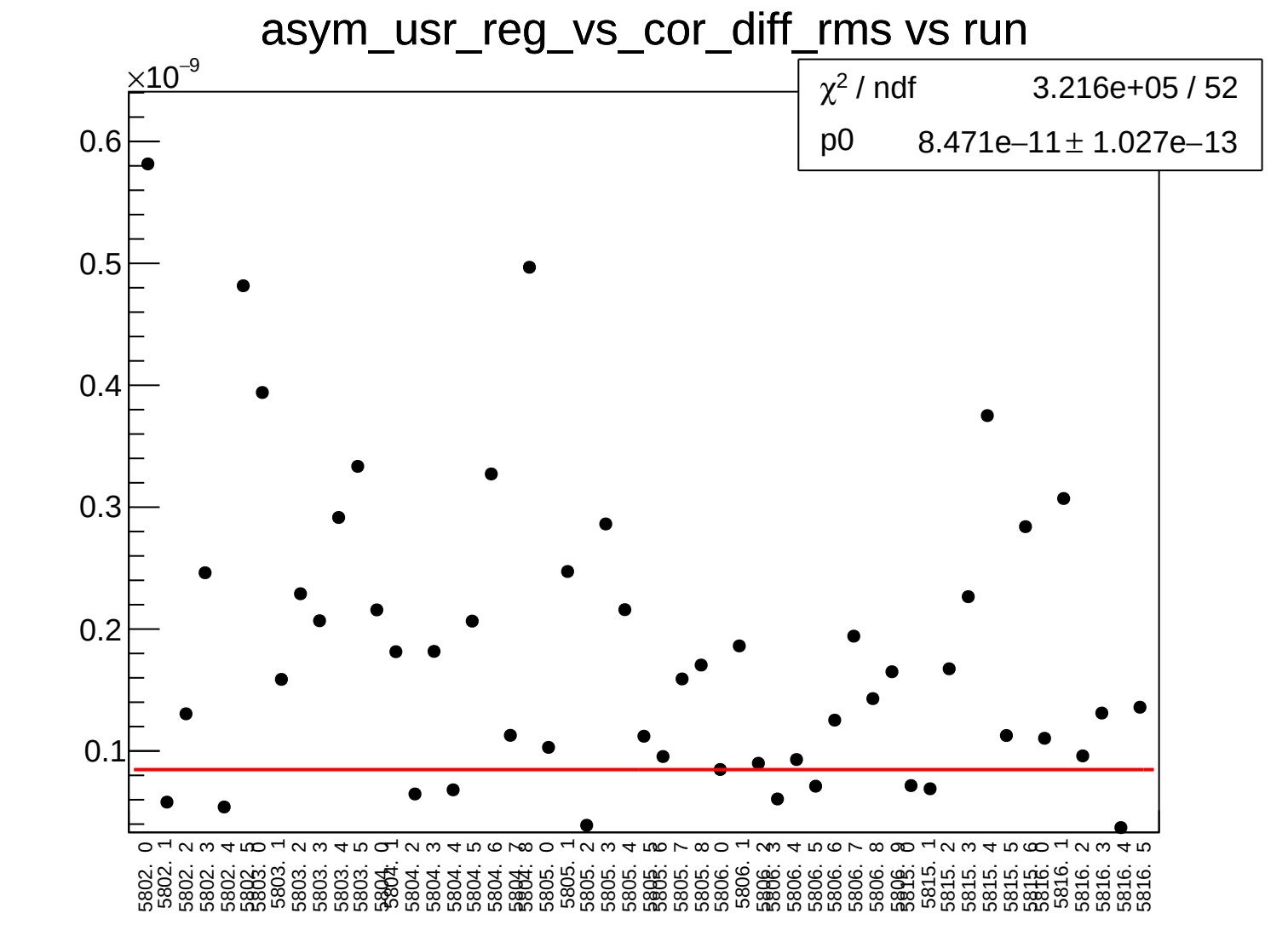

asym_usr_mean vs run
χ² / ndf 57.7 / 52
p0 3044 ± 2924
pull
Entries 53
Mean −212.8
Std Dev 0


pull1D
Entries 53
Mean −0.01462
Std Dev 1.043


asym_usr_rms vs run
χ² / ndf 2544 / 52
p0 2067 ± 2.068
2500
2400
2300
2200
2100
2000
1900


asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.48 / 52
p0 −4.388e−14 ± 1.453e−13
pull
Entries 53
Mean 31.35
Std Dev 27.79


pull1D
Entries 53
Mean 0.08087
Std Dev 0.9918


asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.216e+05 / 52
p0 8.471e−11 ± 1.027e−13
0.6
0.5
0.4
0.3
0.2
0.1
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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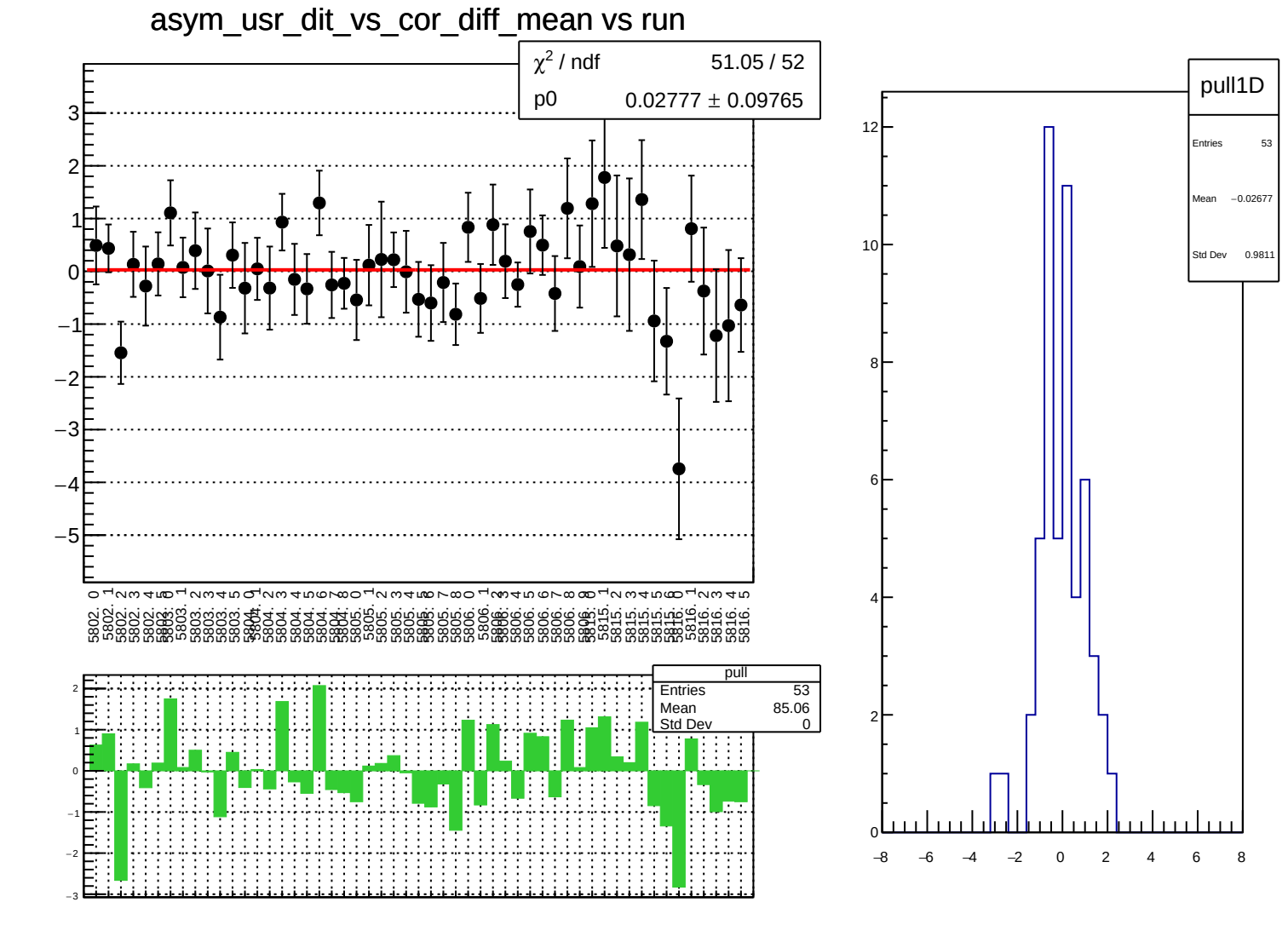
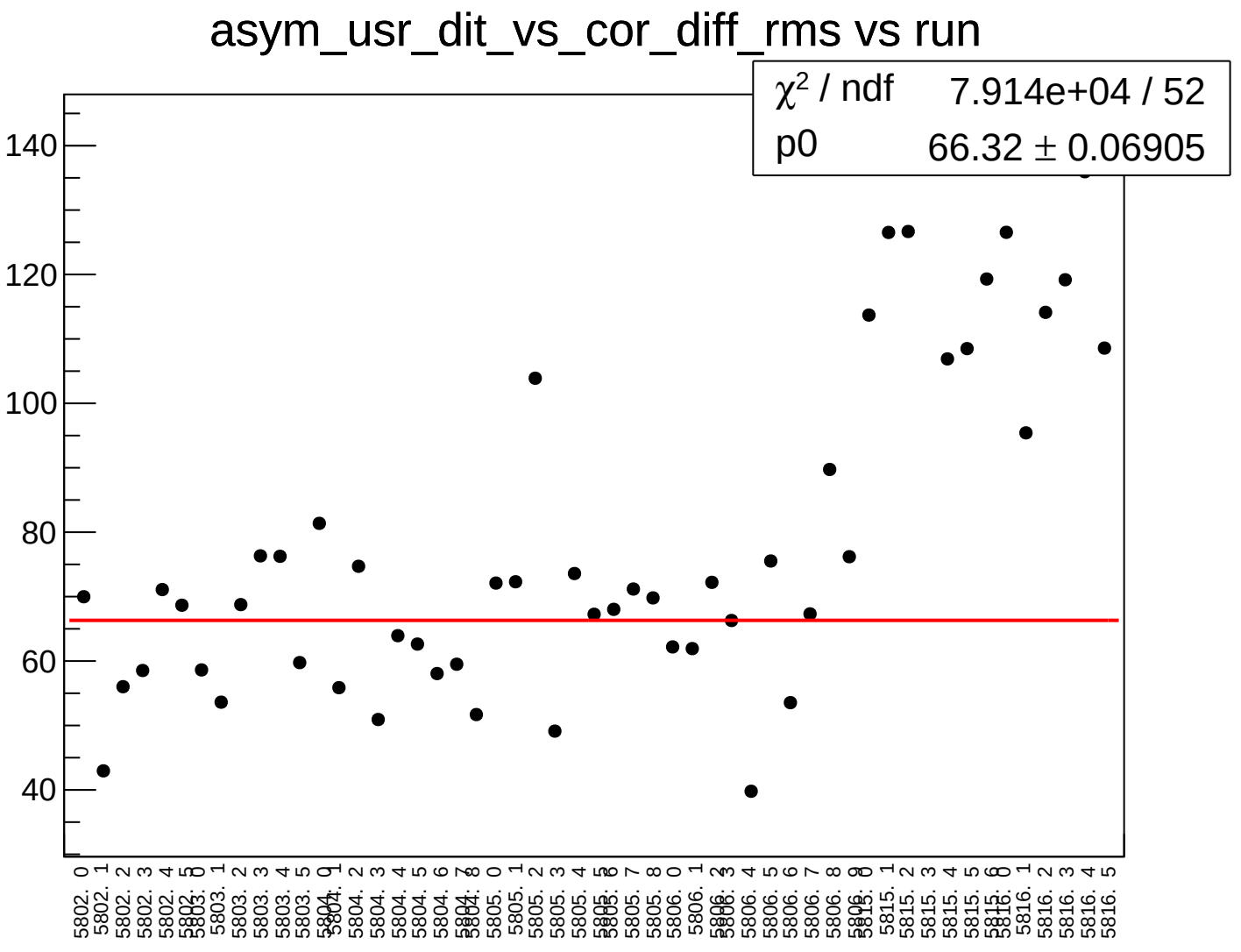
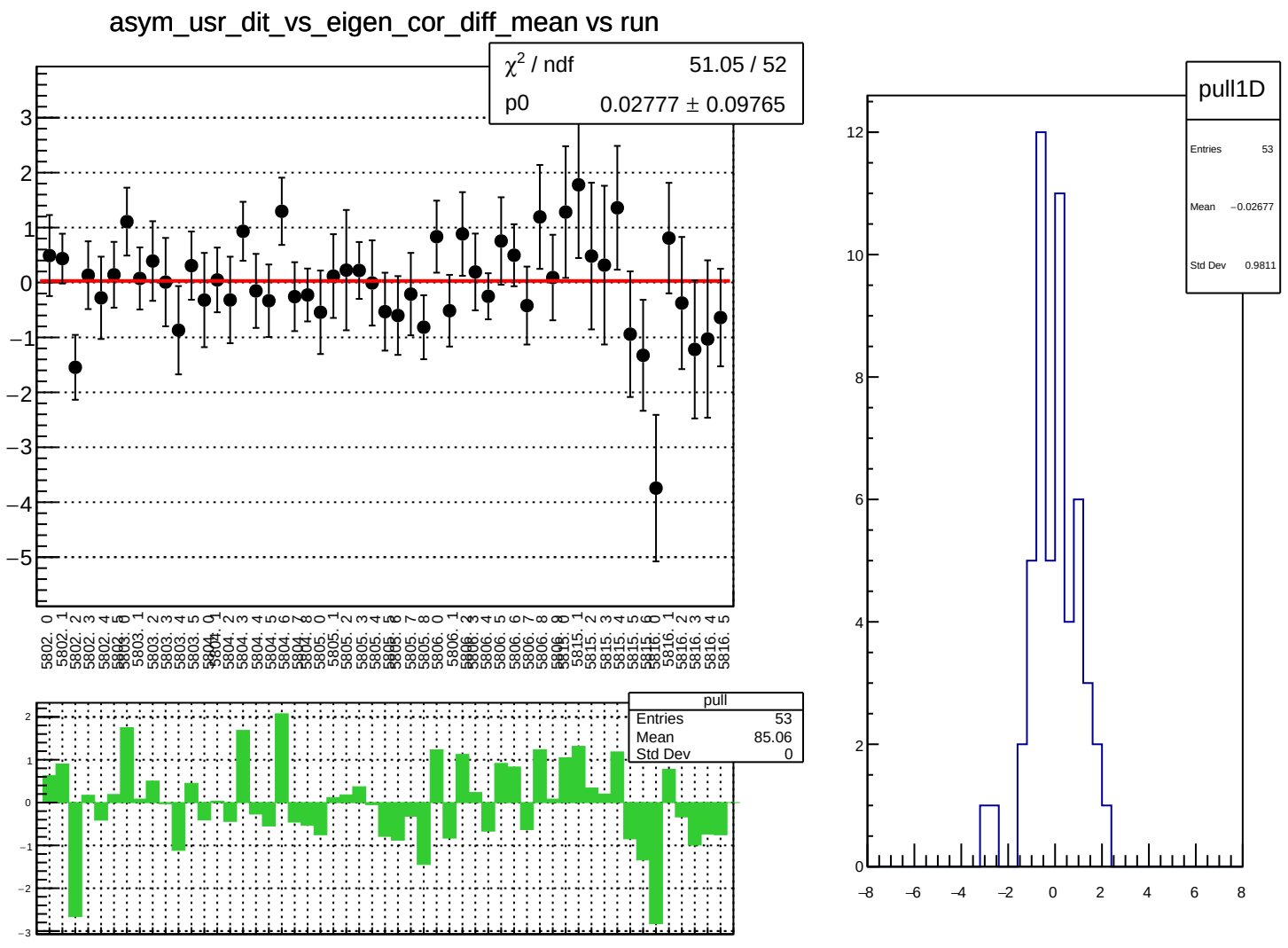
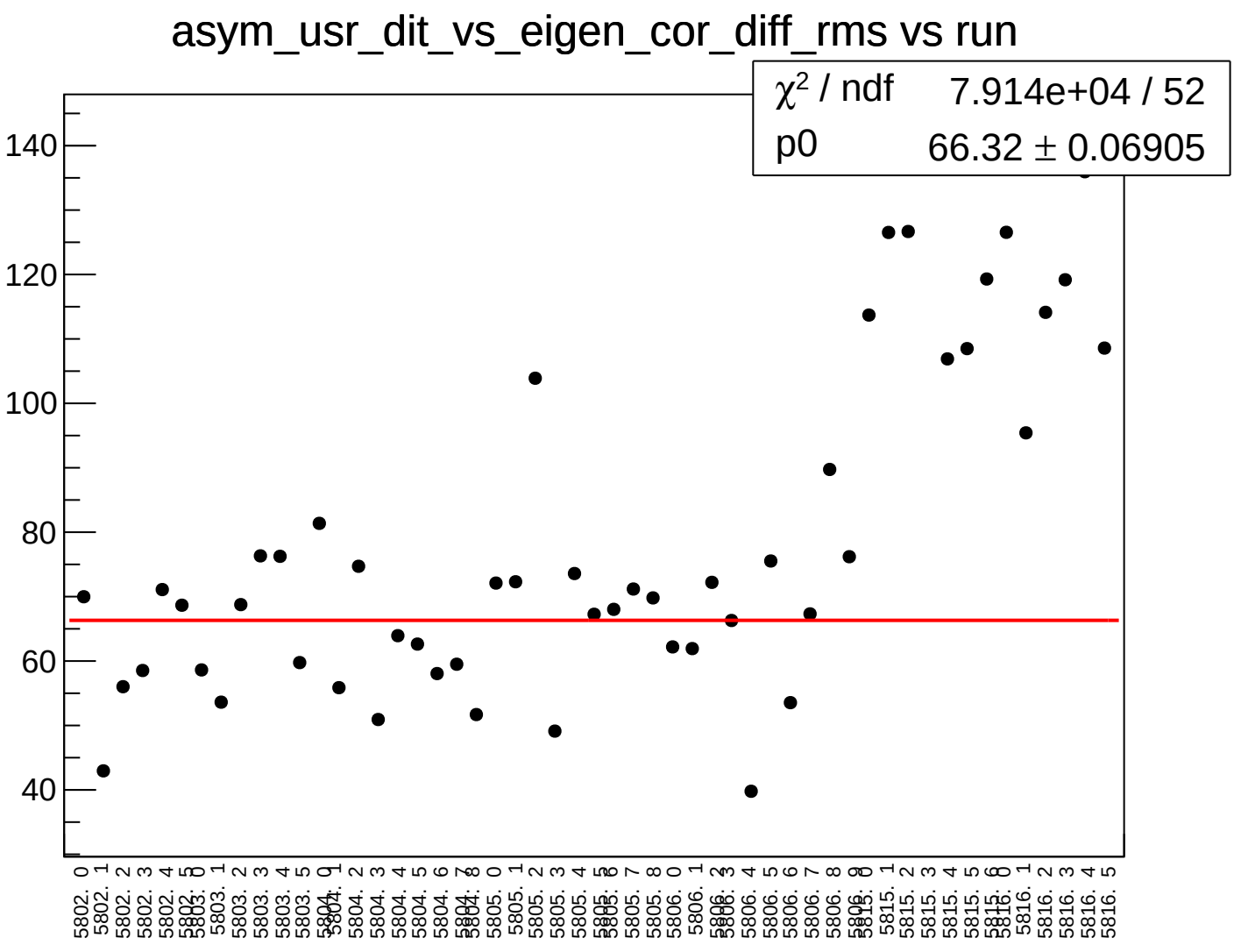
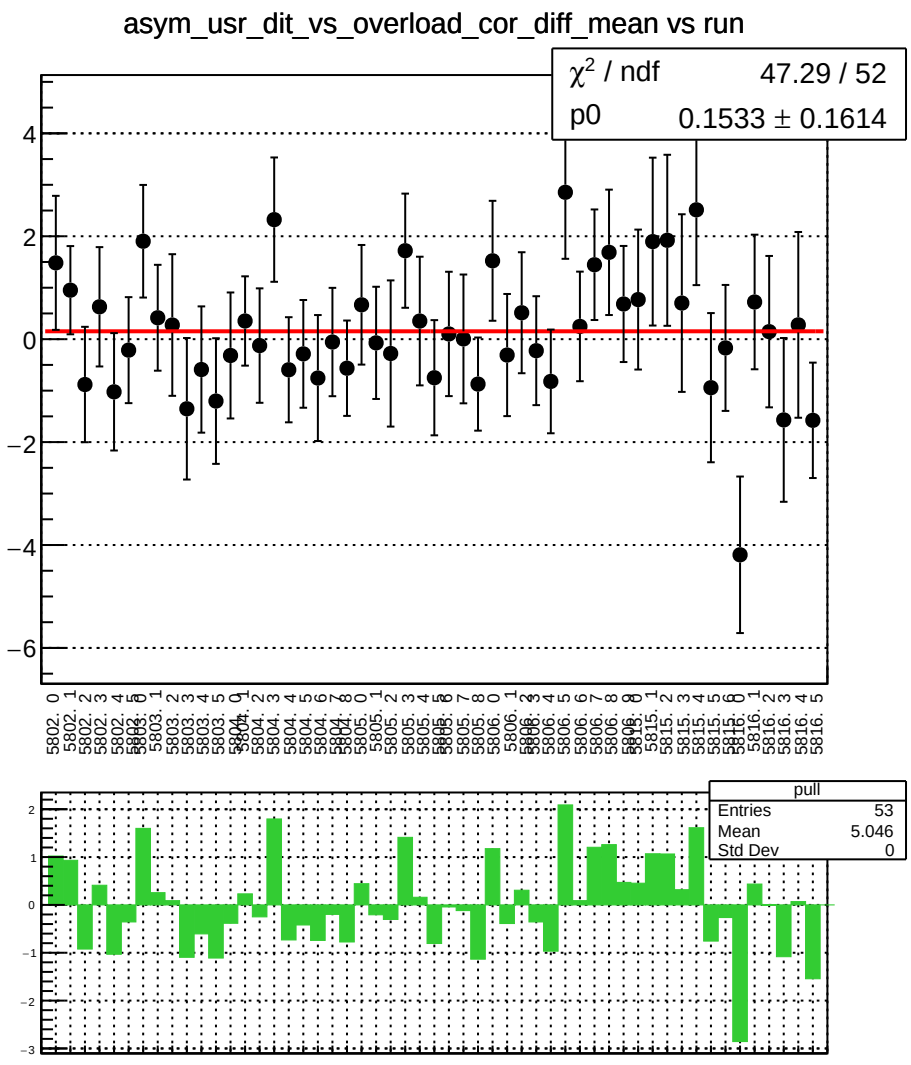
5816. 4
5816. 5

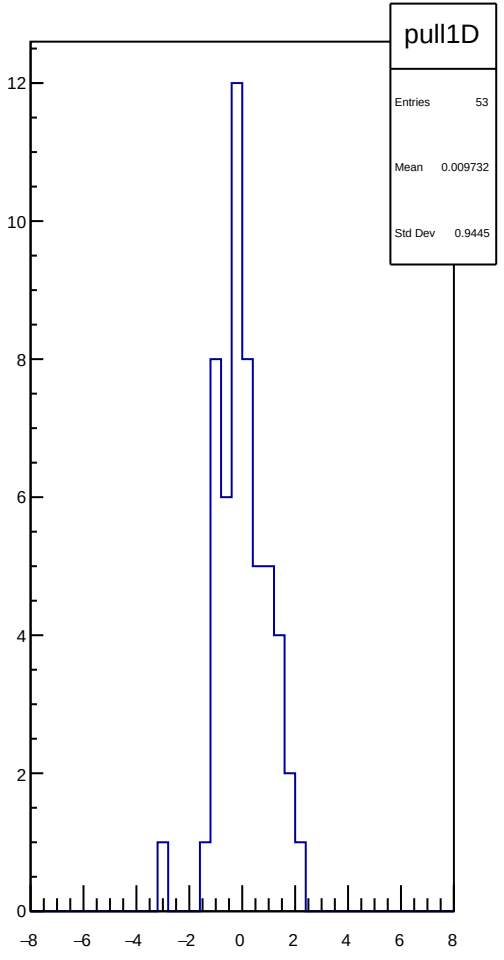

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 52
p0 0.02777 ± 0.09765
pull
Entries 53
Mean 85.06
Std Dev 0
pull1D
Entries 53
Mean −0.02677
Std Dev 0.9811

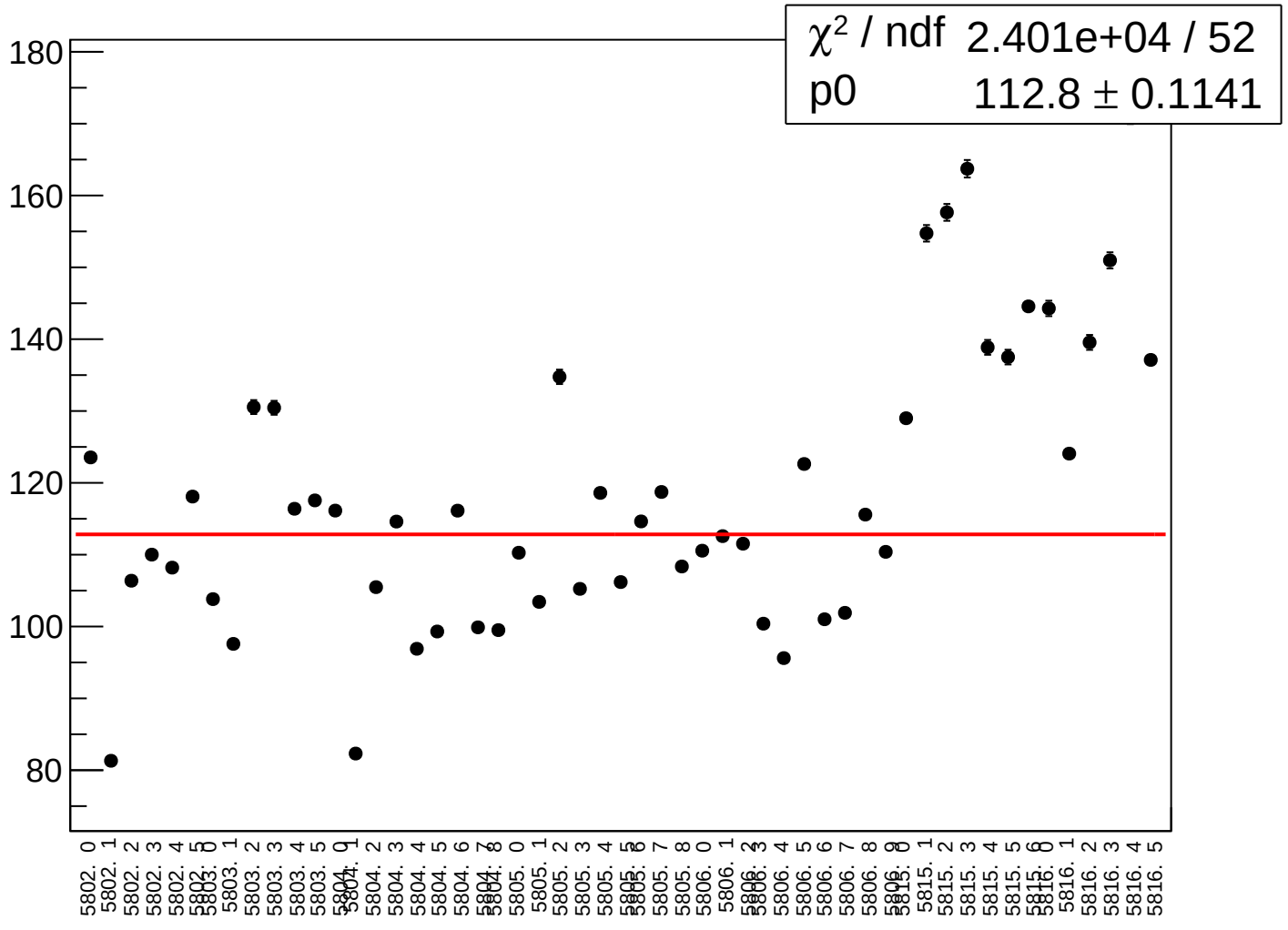

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 7.914e+04 / 52
p0 66.32 ± 0.06905
140
120
100
80
60
40

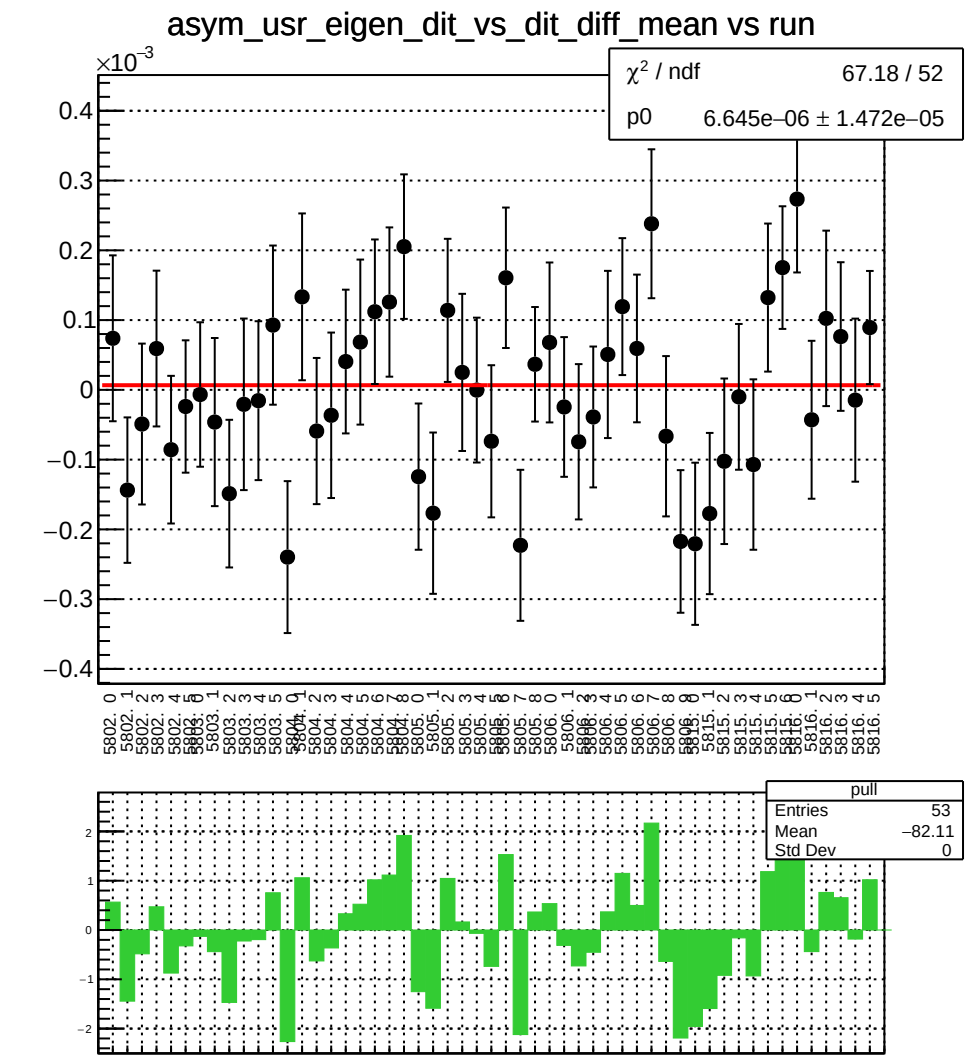

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 52
p0 0.02777 ± 0.09765
pull
Entries 53
Mean 85.06
Std Dev 0
pull1D
Entries 53
Mean −0.02677
Std Dev 0.9811

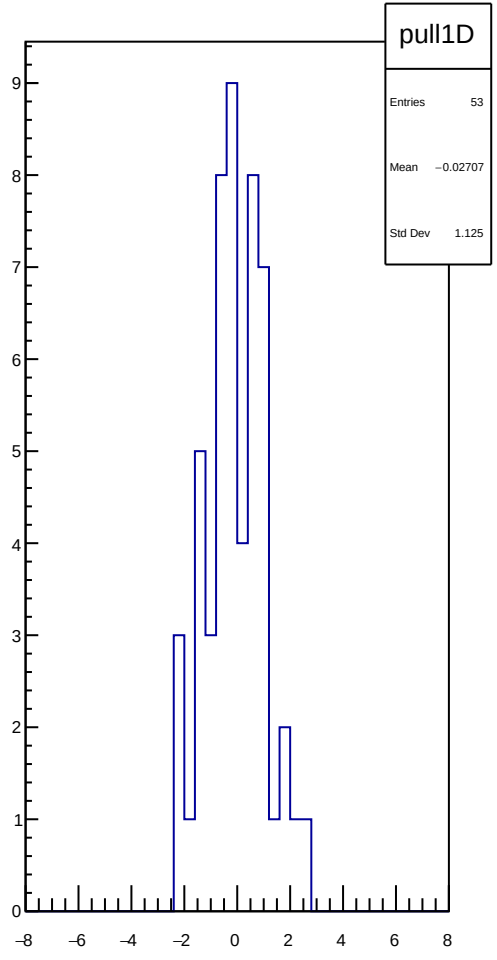

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.914e+04 / 52
p0 66.32 ± 0.06905
140
120
100
80
60
40

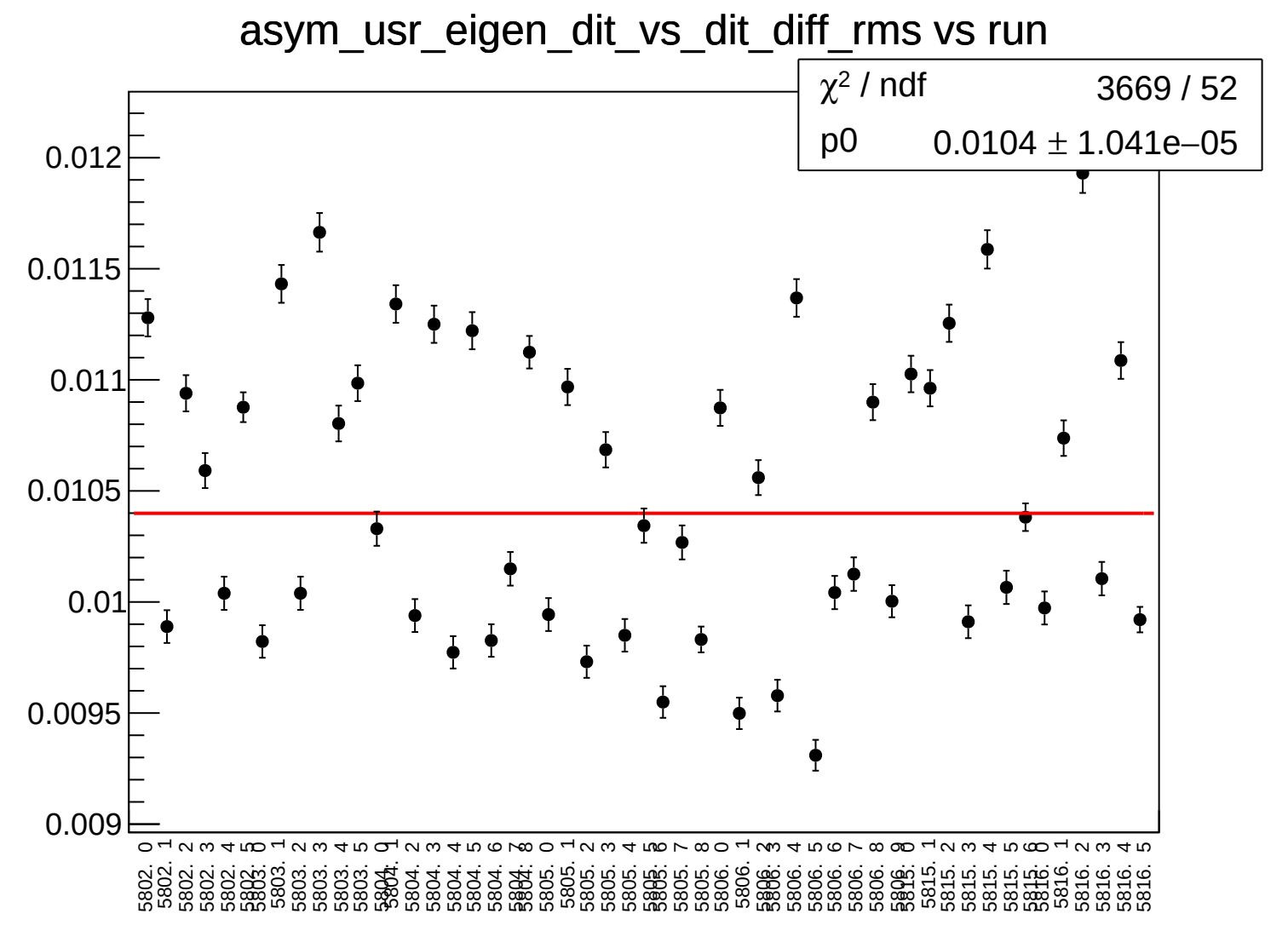

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 47.29 / 52
p0 0.1533 ± 0.1614
pull
Entries 53
Mean 5.046
Std Dev 0

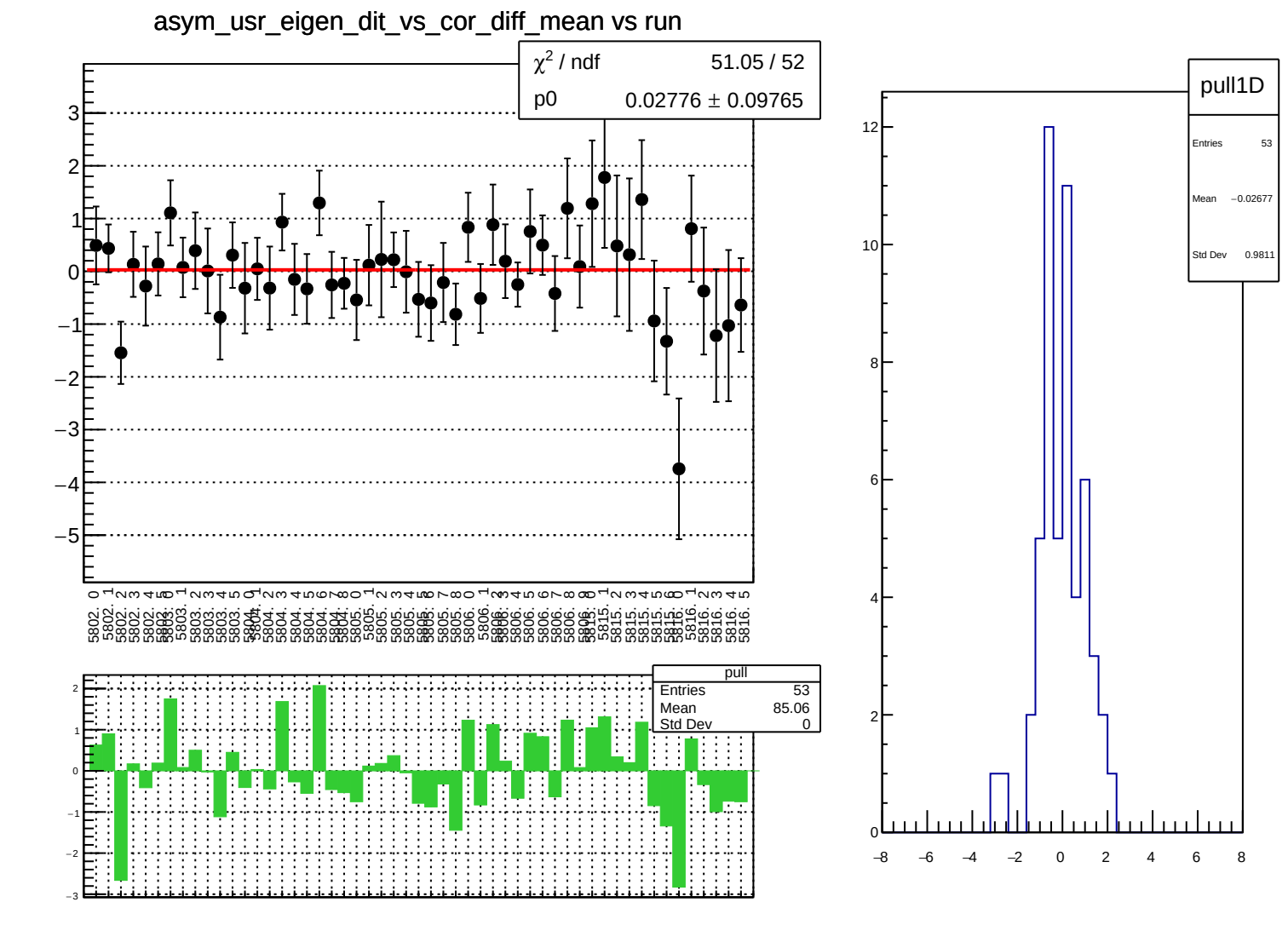

pull1D
Entries 53
Mean 0.009732
Std Dev 0.9445

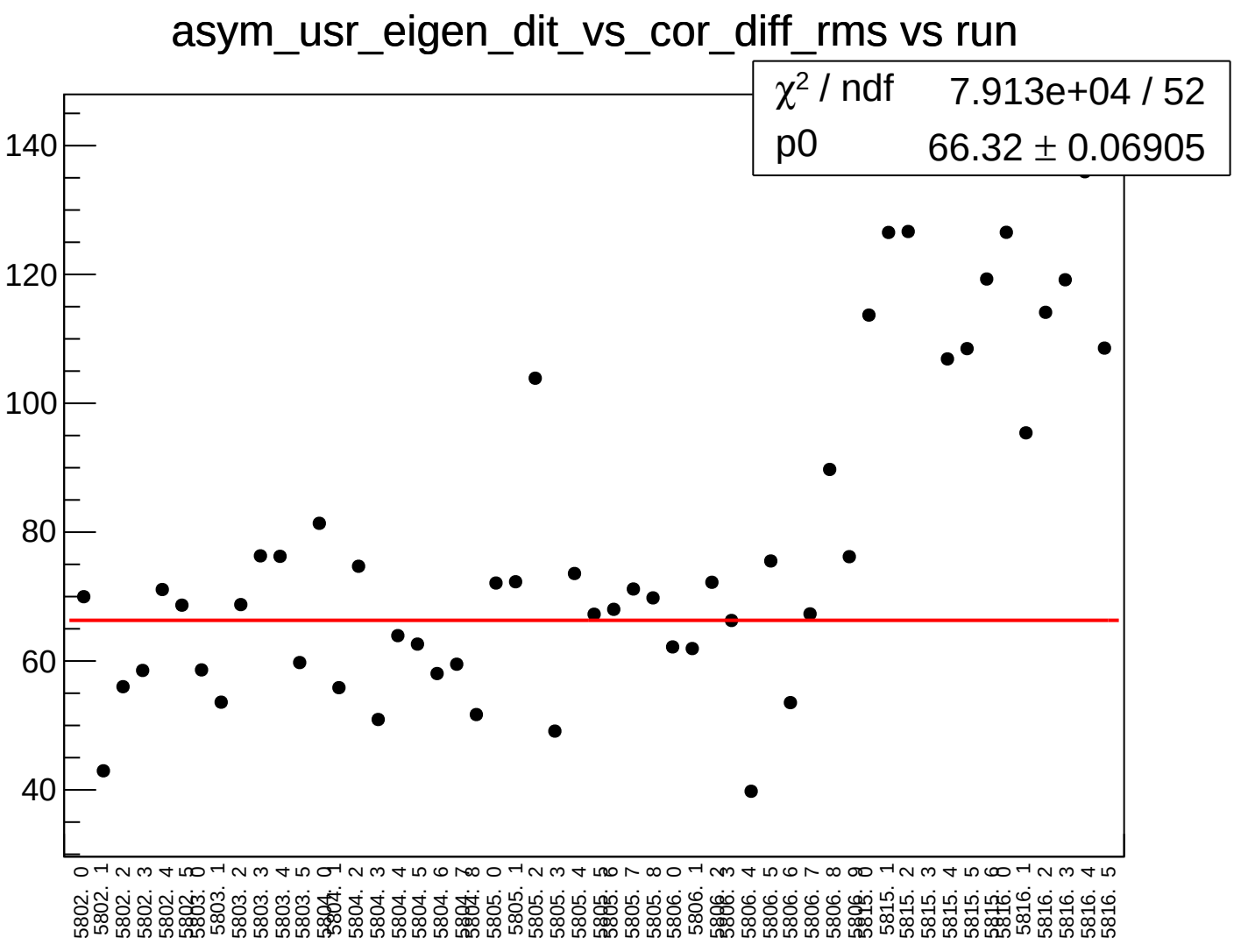

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.401e+04 / 52
p0 112.8 ± 0.1141
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

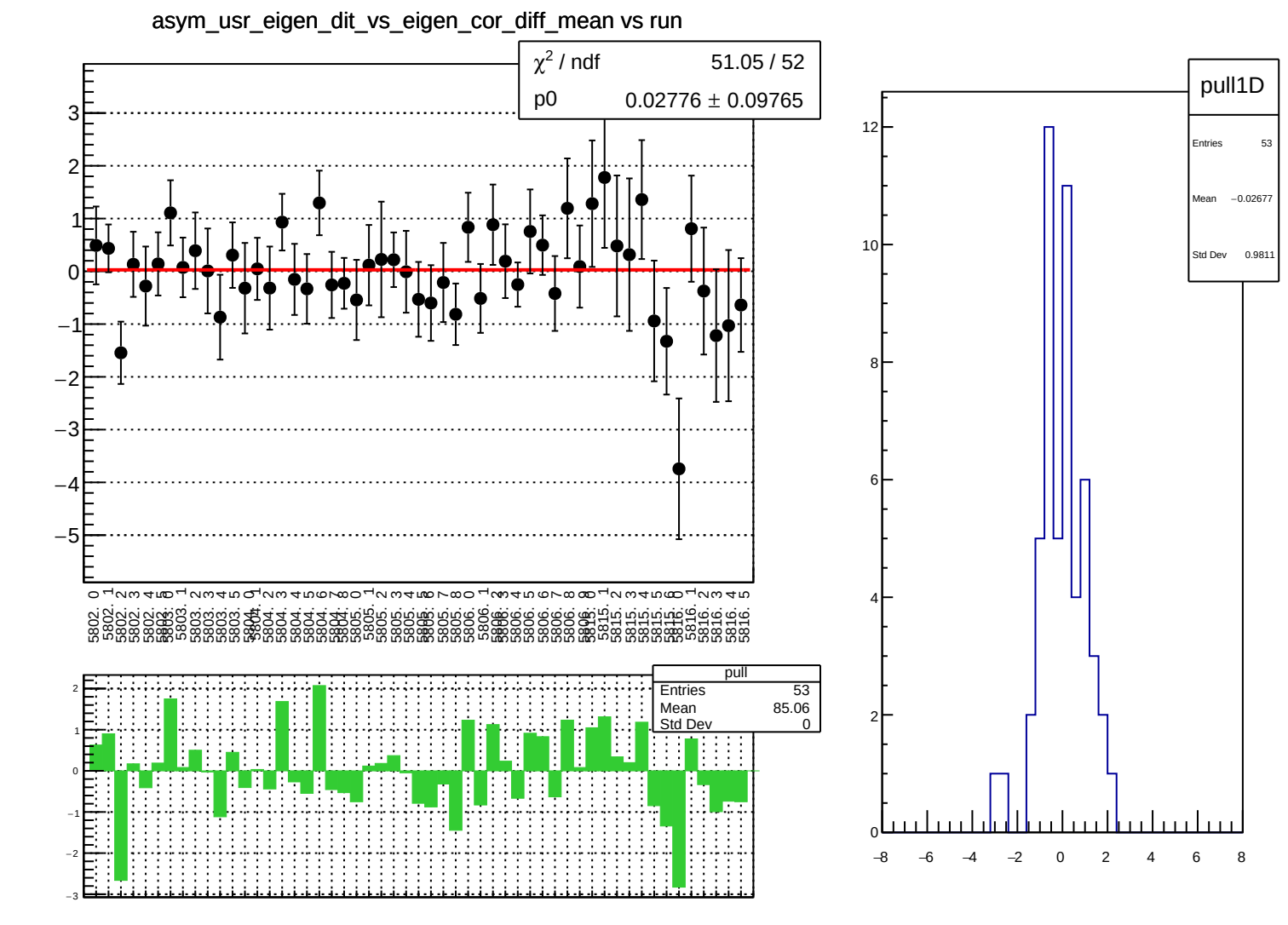

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.18 / 52
p0 6.645e−06 ± 1.472e−05
pull
Entries 53
Mean −82.11
Std Dev 0

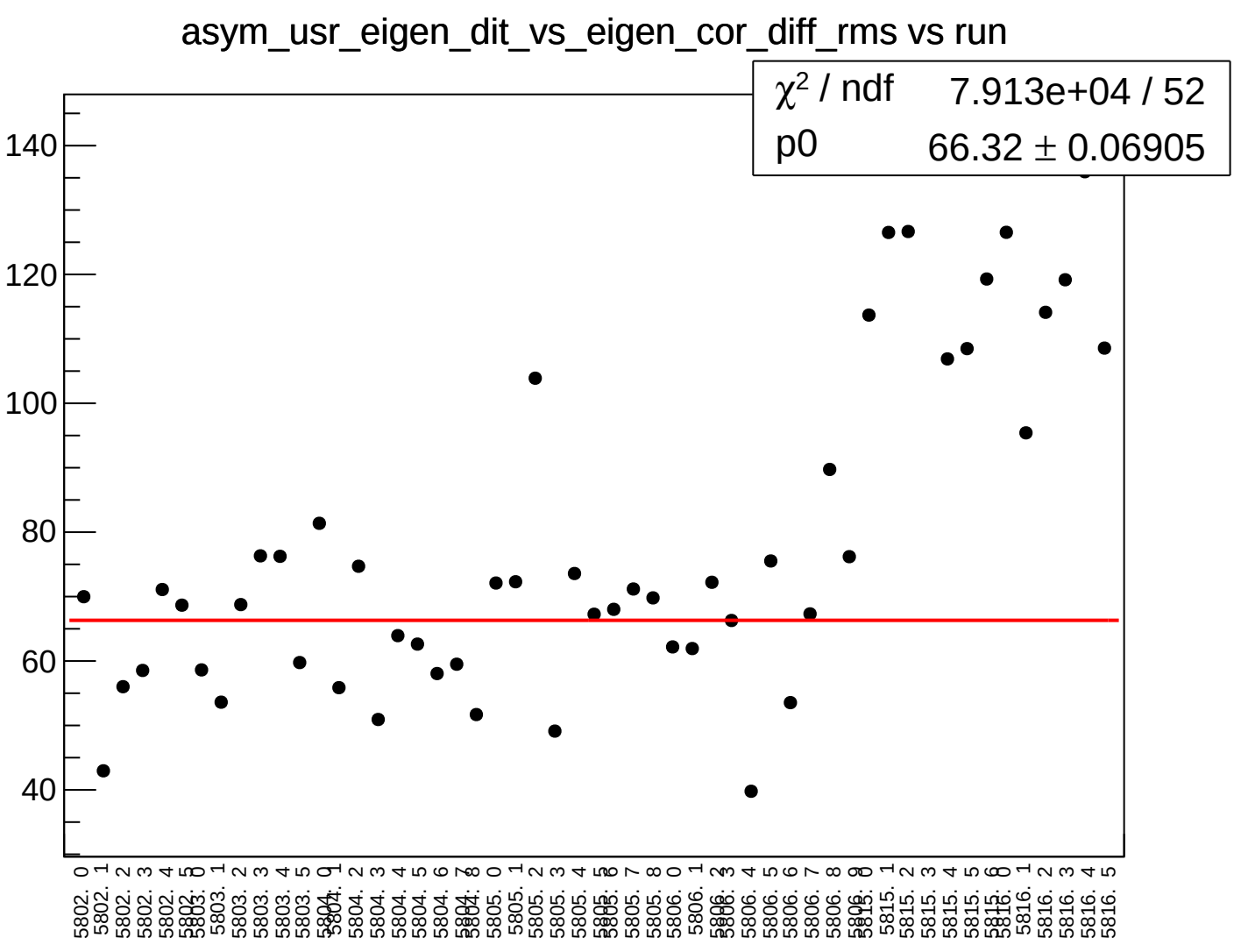

pull1D
Entries 53
Mean −0.02707
Std Dev 1.125

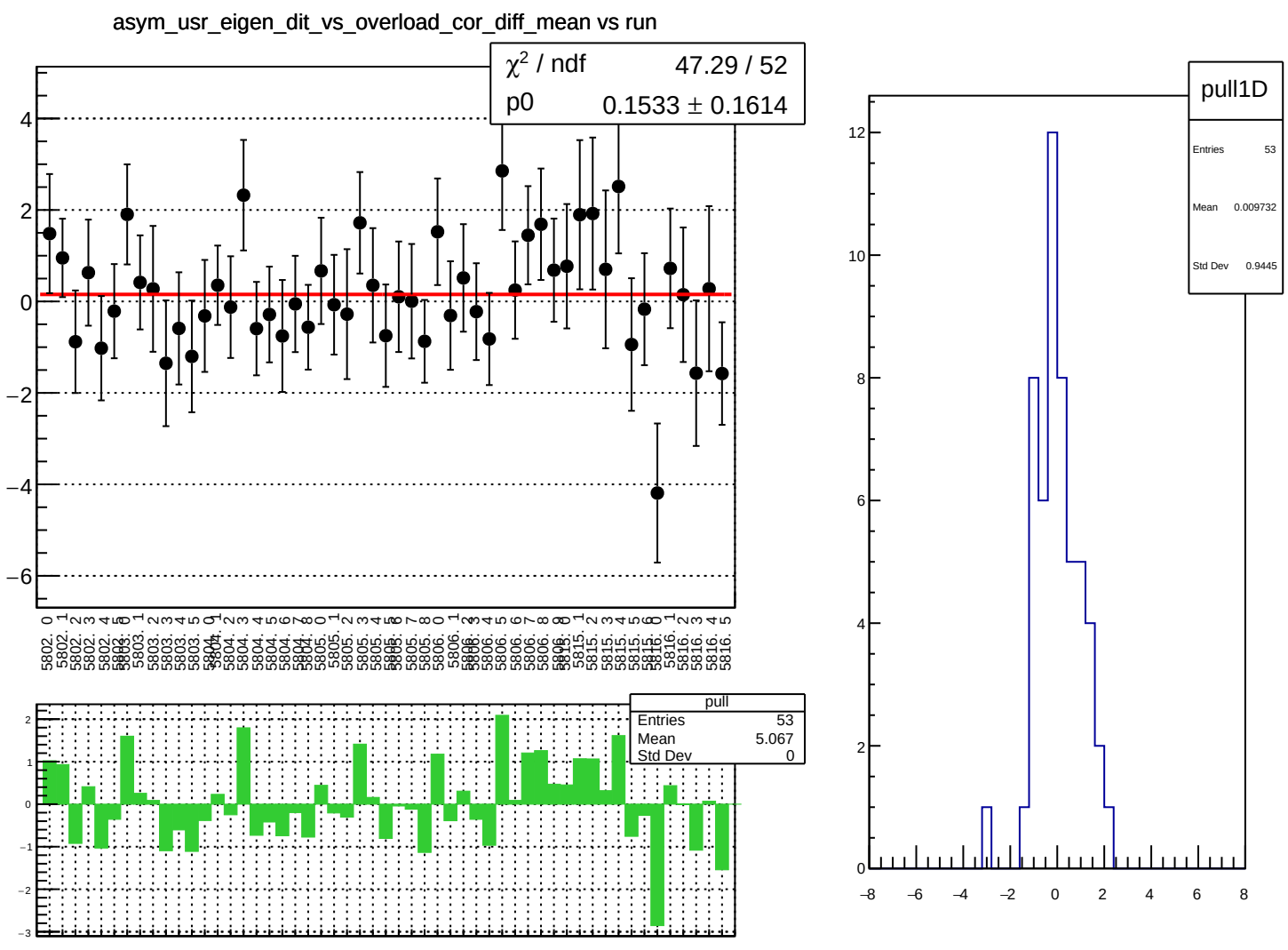

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3669 / 52
p0 0.0104 ± 1.041e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

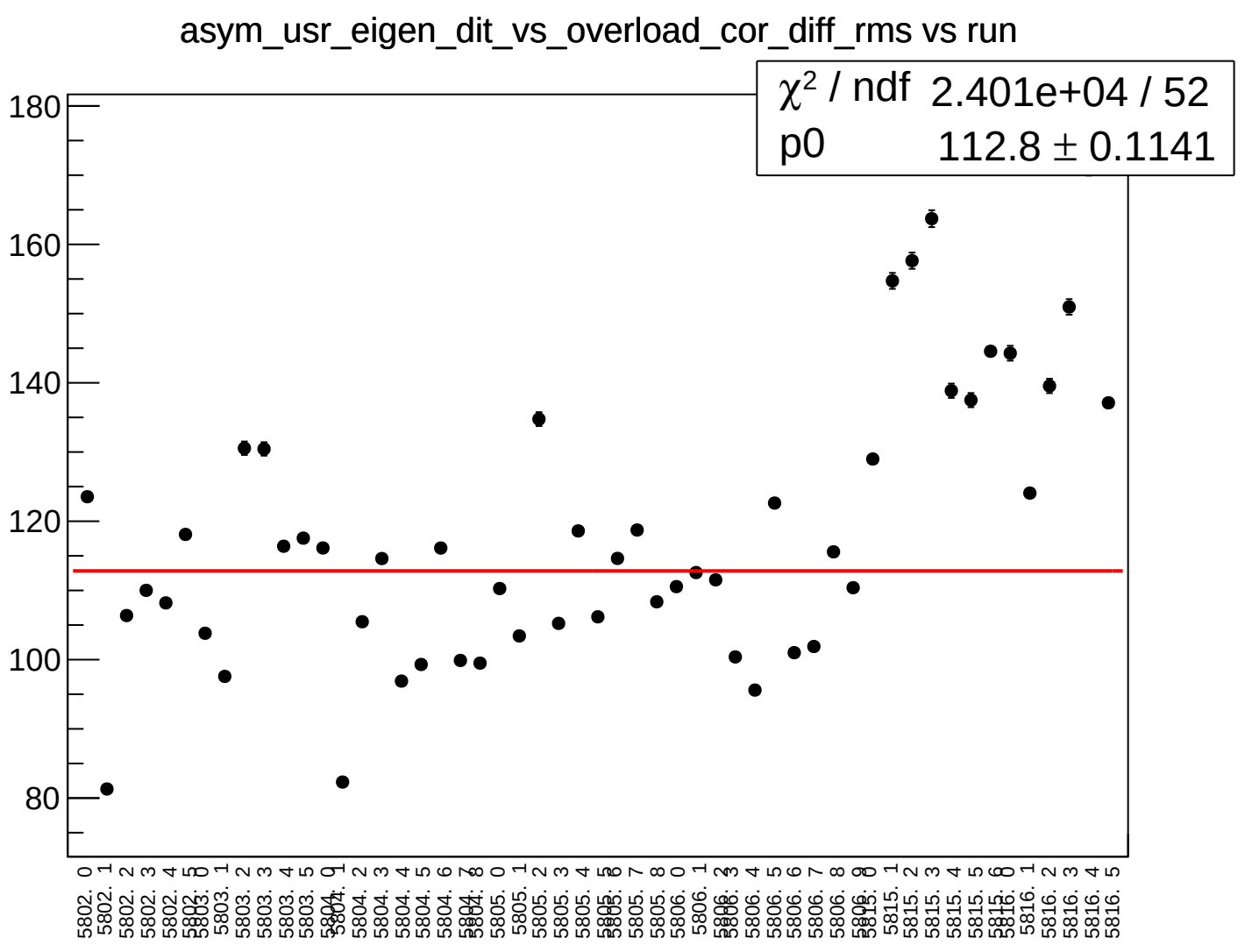

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.05 / 52
p0 0.02776 ± 0.09765
pull
Entries 53
Mean 85.06
Std Dev 0
pull1D
Entries 53
Mean −0.02677
Std Dev 0.9811

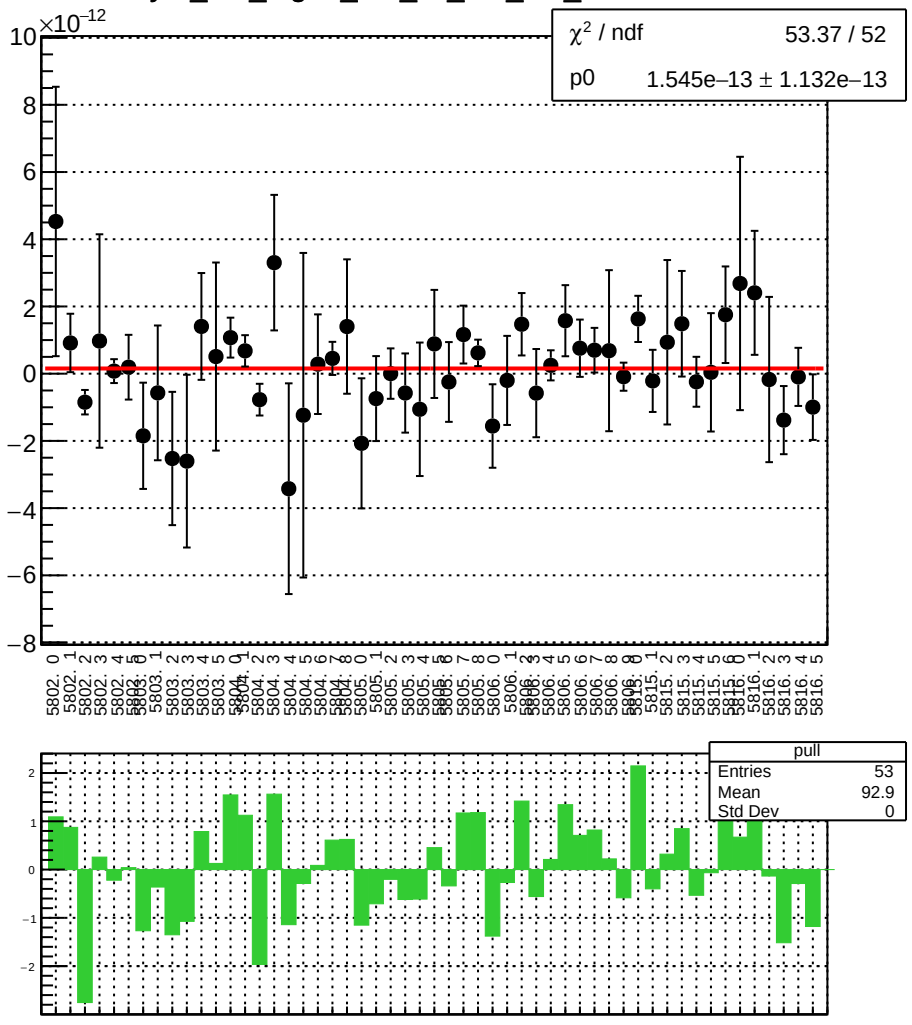

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.913e+04 / 52
p0 66.32 ± 0.06905
140
120
100
80
60
40

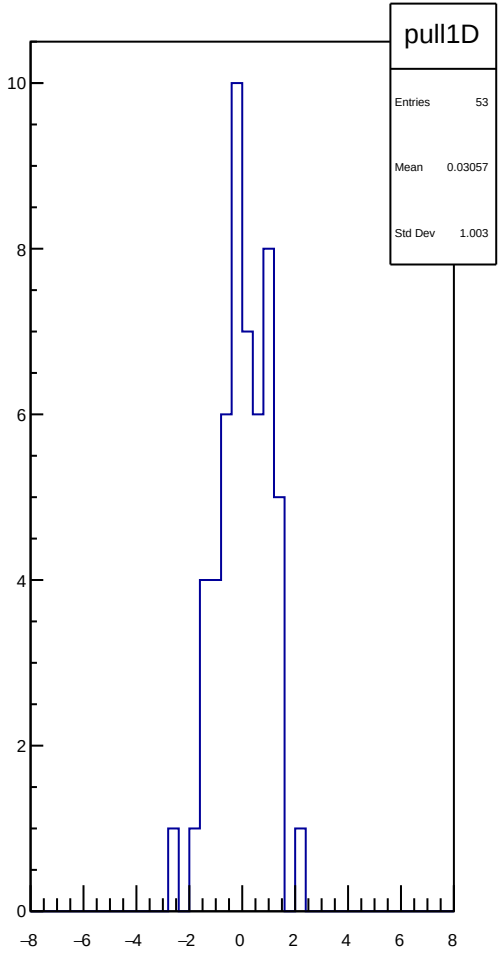

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.05 / 52
p0 0.02776 ± 0.09765
pull
Entries 53
Mean 85.06
Std Dev 0
pull1D
Entries 53
Mean −0.02677
Std Dev 0.9811

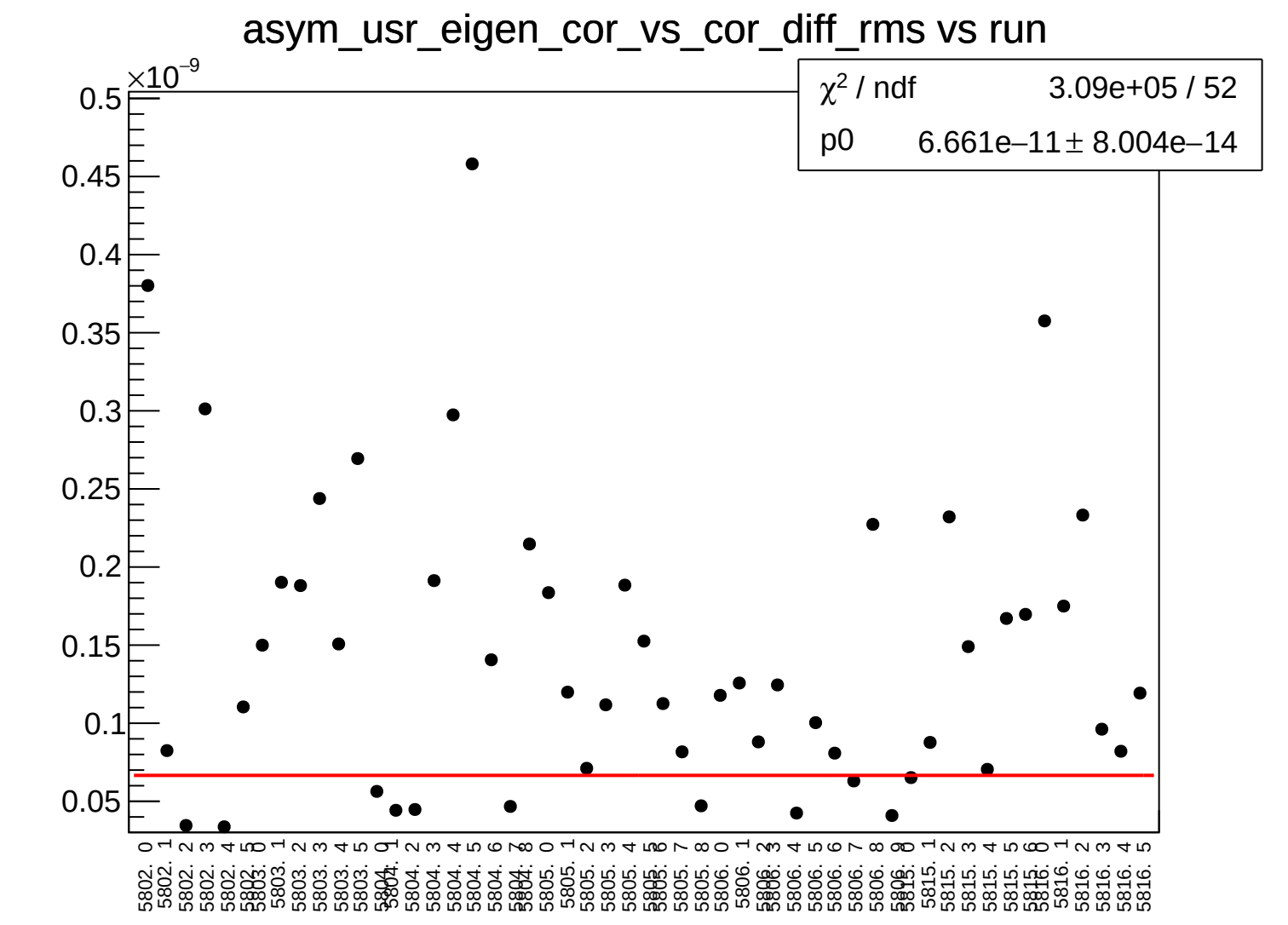

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.913e+04 / 52
p0 66.32 ± 0.06905
140
120
100
80
60
40

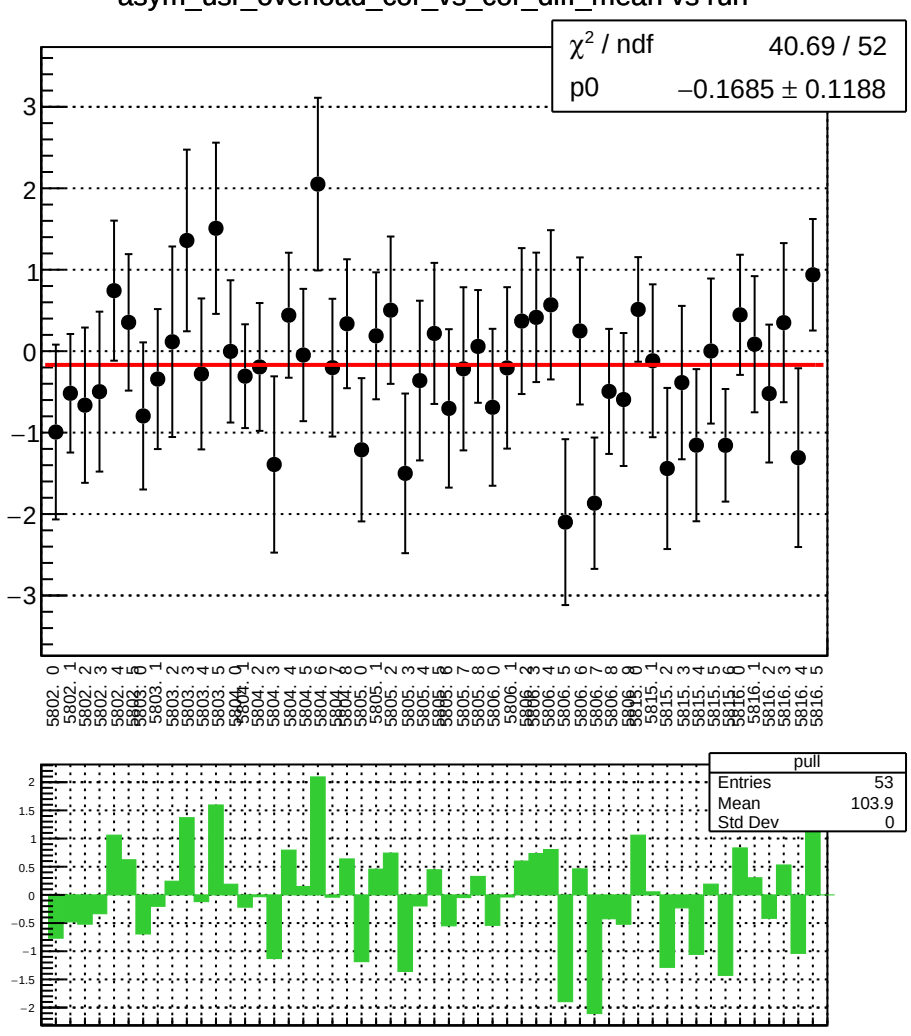

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 47.29 / 52
p0 0.1533 ± 0.1614
pull
Entries 53
Mean 5.067
Std Dev 0
pull1D
Entries 53
Mean 0.009732
Std Dev 0.9445

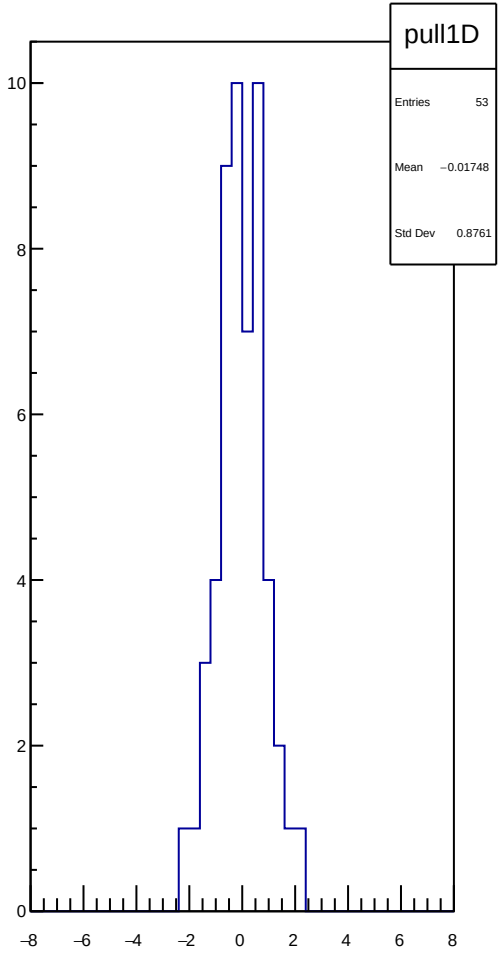

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.401e+04 / 52
p0 112.8 ± 0.1141
180
160
140
120
100
80

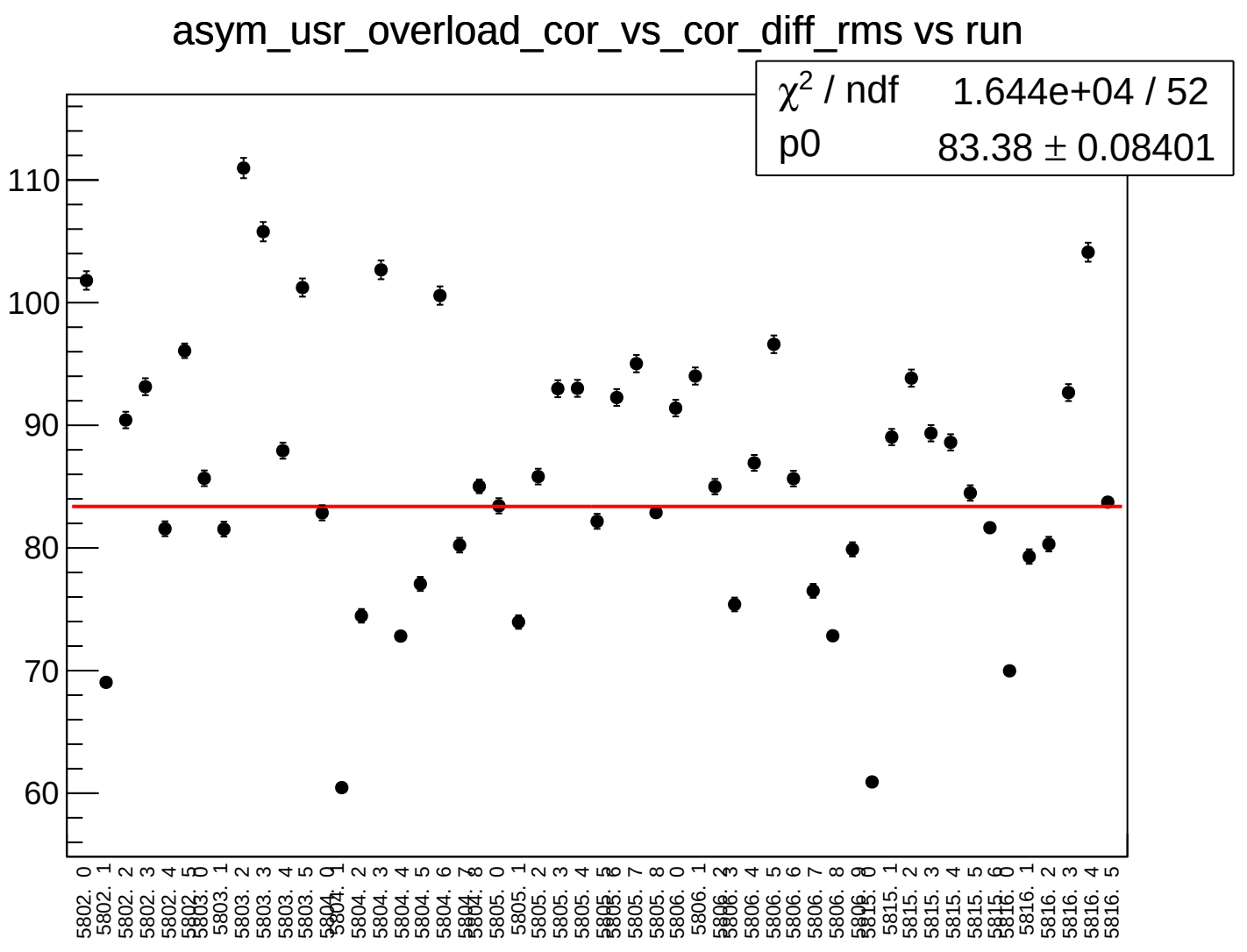

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.37 / 52
p0 1.545e−13 ± 1.132e−13
pull
Entries 53
Mean 92.9
Std Dev 0

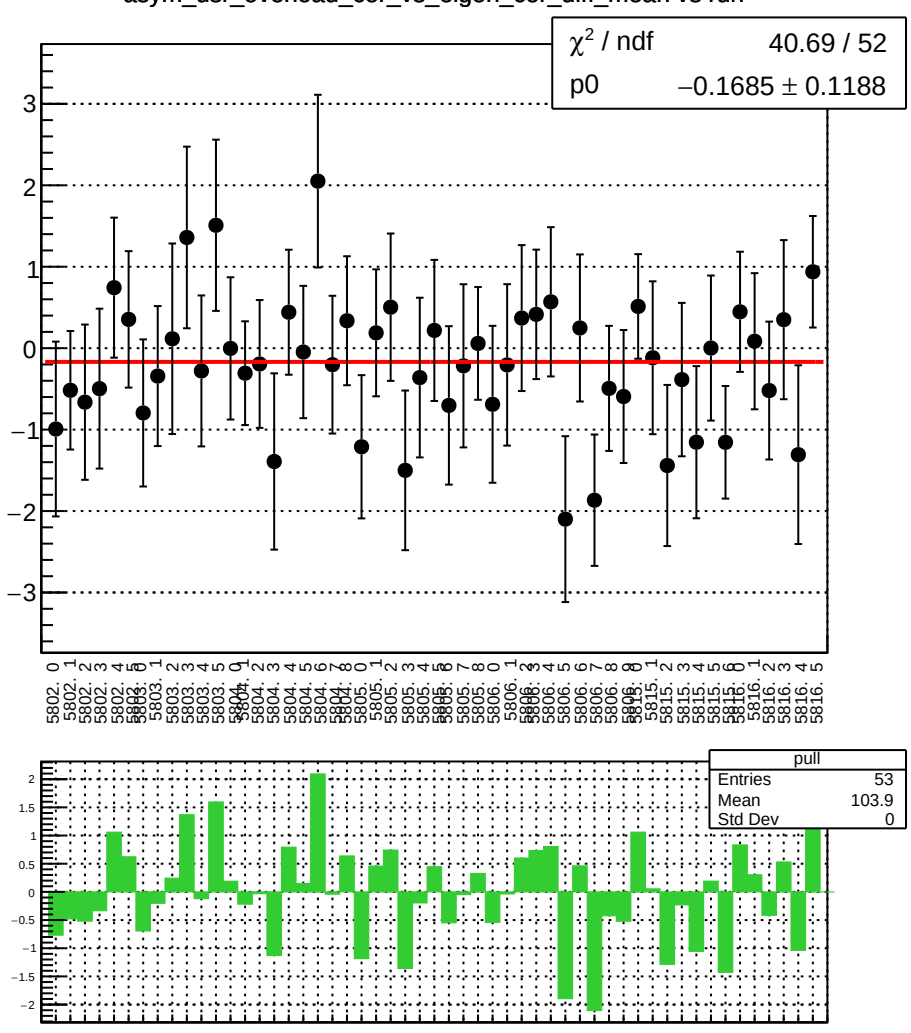

pull1D
Entries 53
Mean 0.03057
Std Dev 1.003

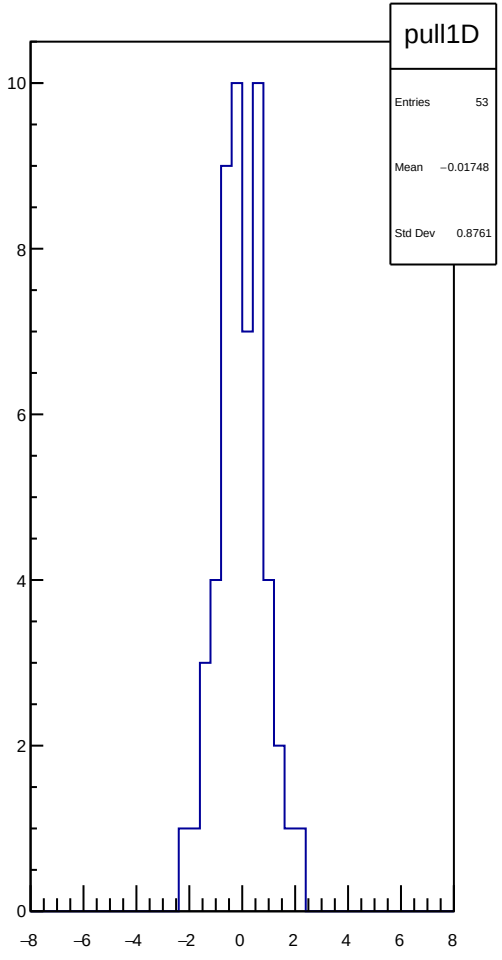

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.09e+05 / 52
p0 6.661e−11 ± 8.004e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

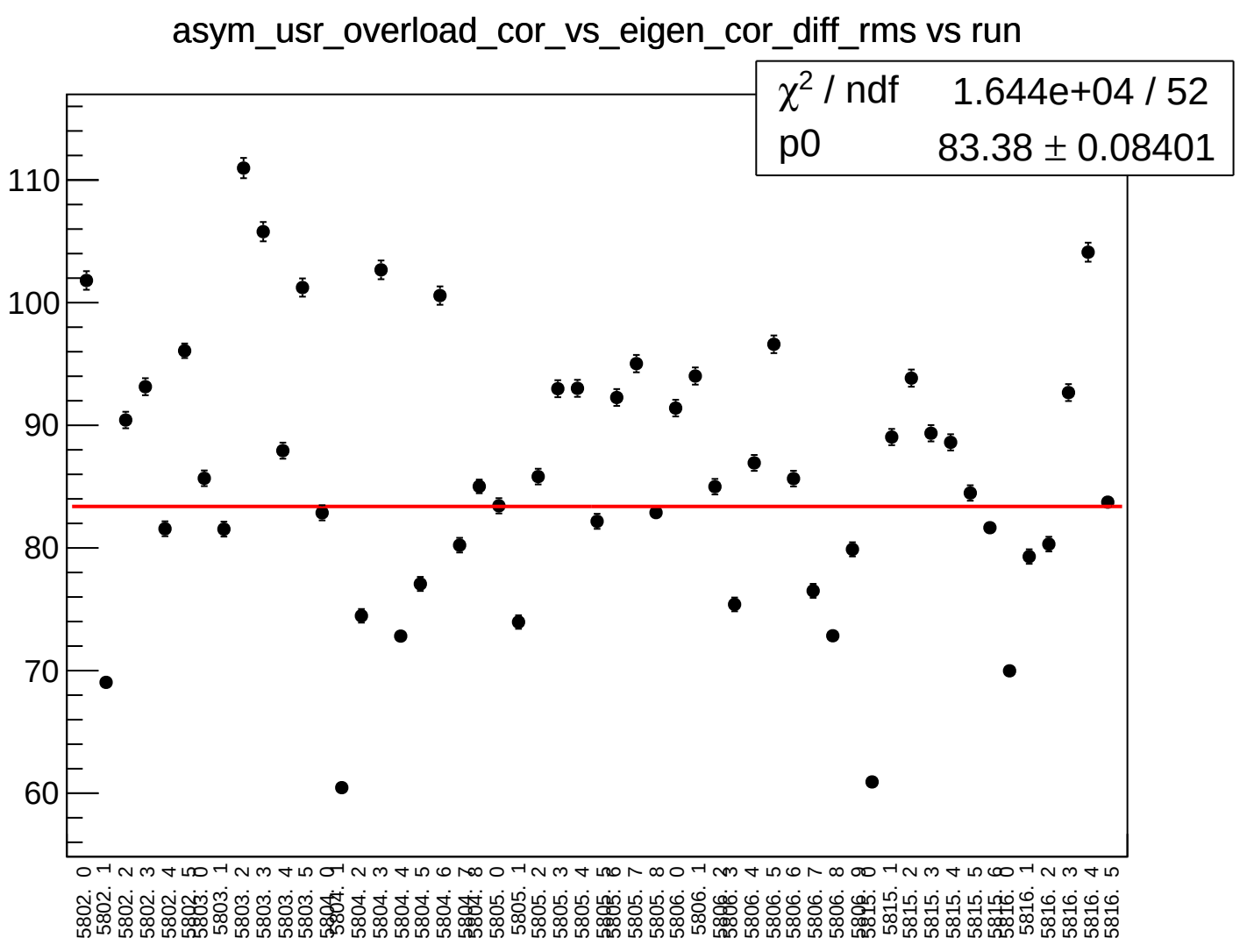

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 40.69 / 52
p0 −0.1685 ± 0.1188
pull
Entries 53
Mean 103.9
Std Dev 0

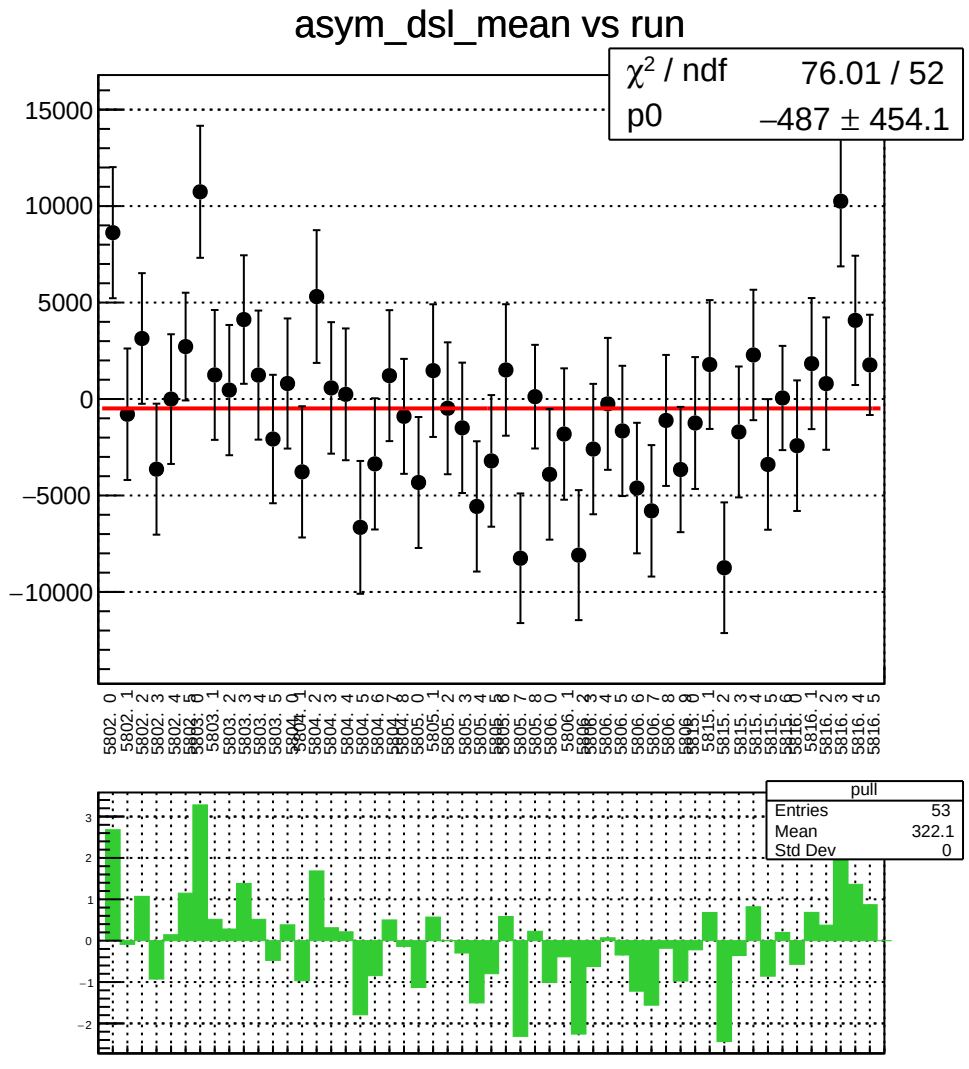

pull1D
Entries 53
Mean −0.01748
Std Dev 0.8761

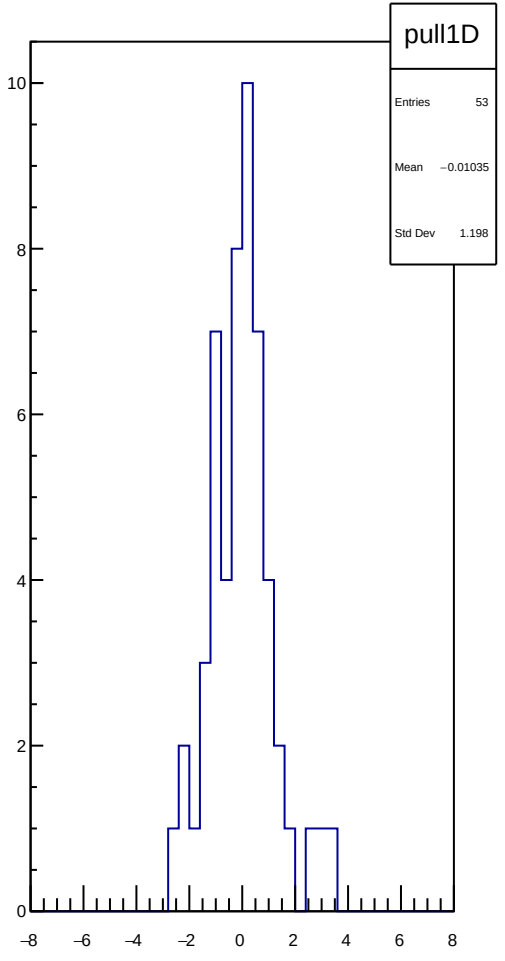

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.644e+04 / 52
p0 83.38 ± 0.08401
110
100
90
80
70
60

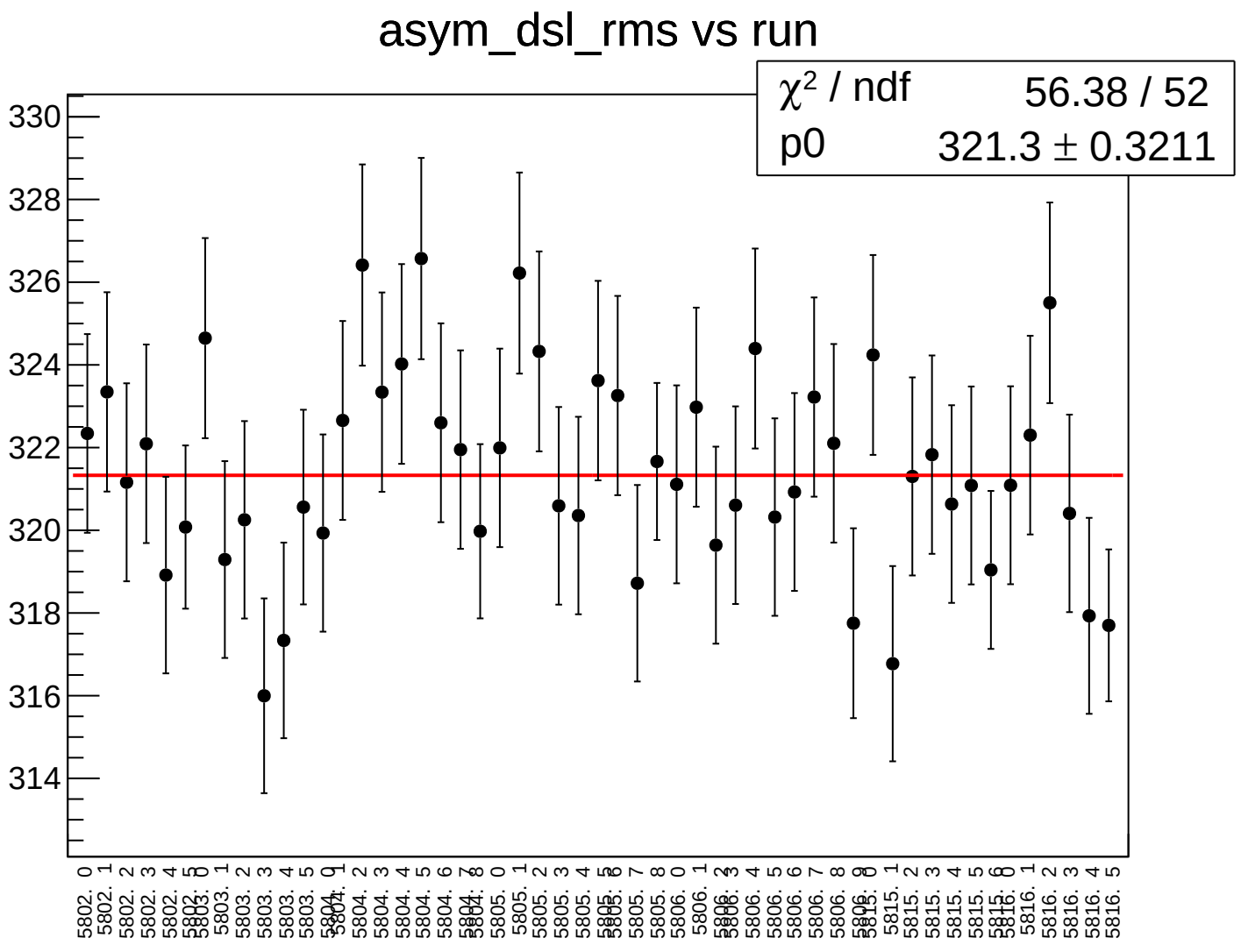

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.69 / 52
p0 −0.1685 ± 0.1188
pull
Entries 53
Mean 103.9
Std Dev 0

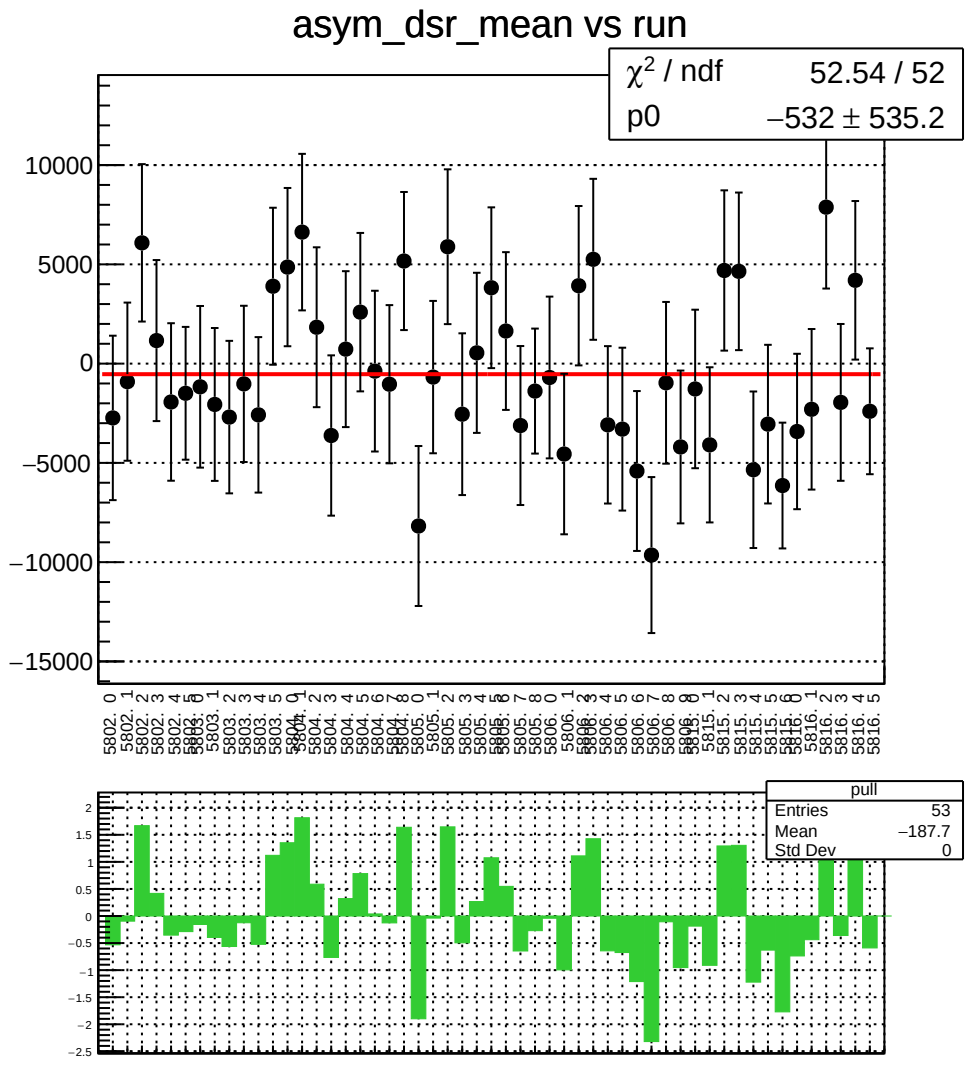

pull1D
Entries 53
Mean −0.01748
Std Dev 0.8761

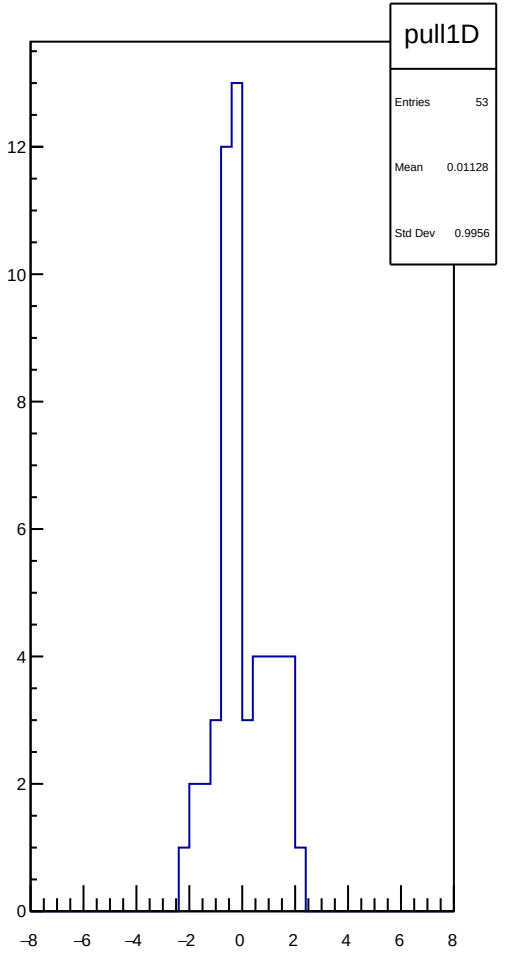

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.644e+04 / 52
p0 83.38 ± 0.08401
110
100
90
80
70
60

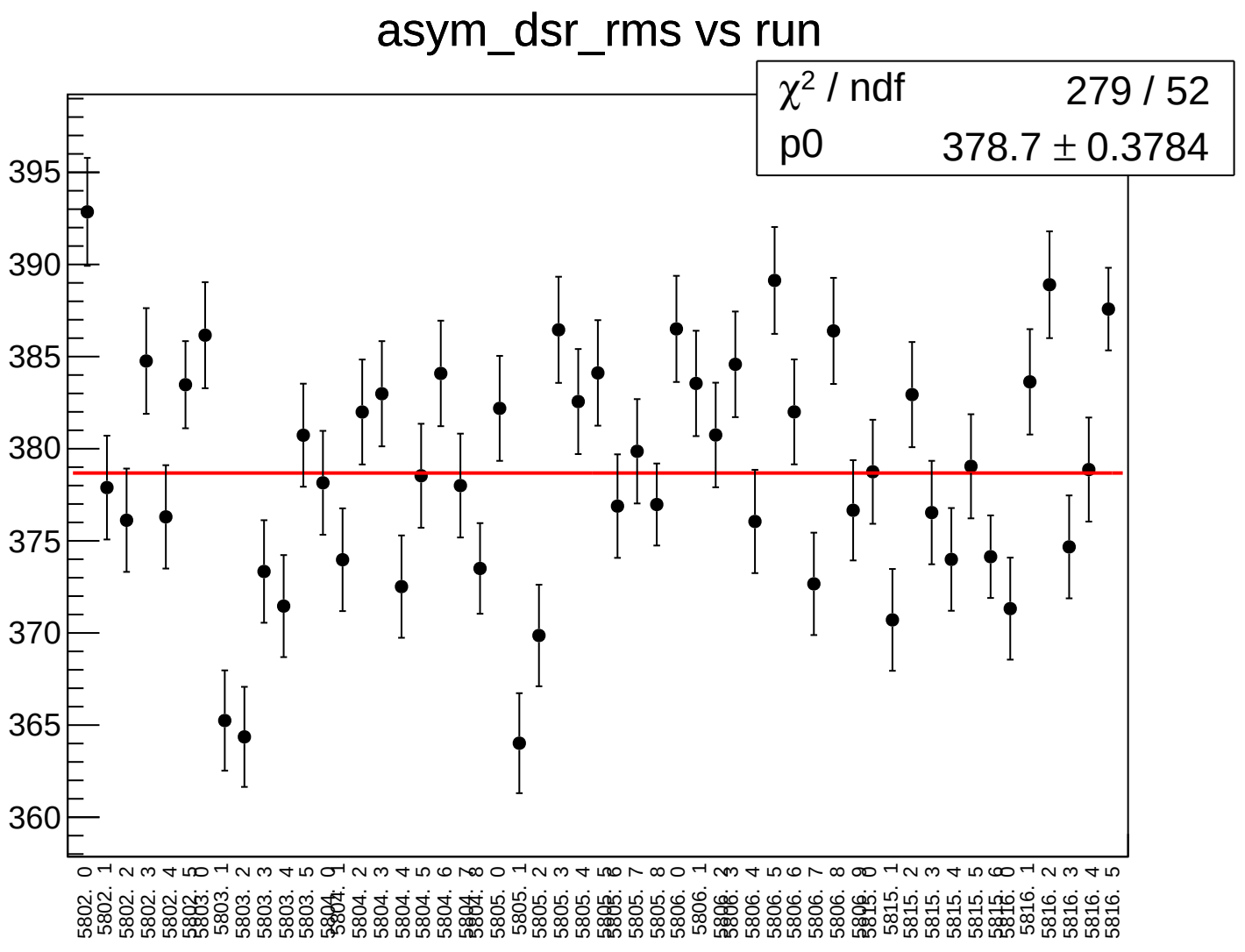

asym_dsl_mean vs run
χ² / ndf 76.01 / 52
p0 −487 ± 454.1
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 322.1
Std Dev 0
3
2
1
0
−1
−2

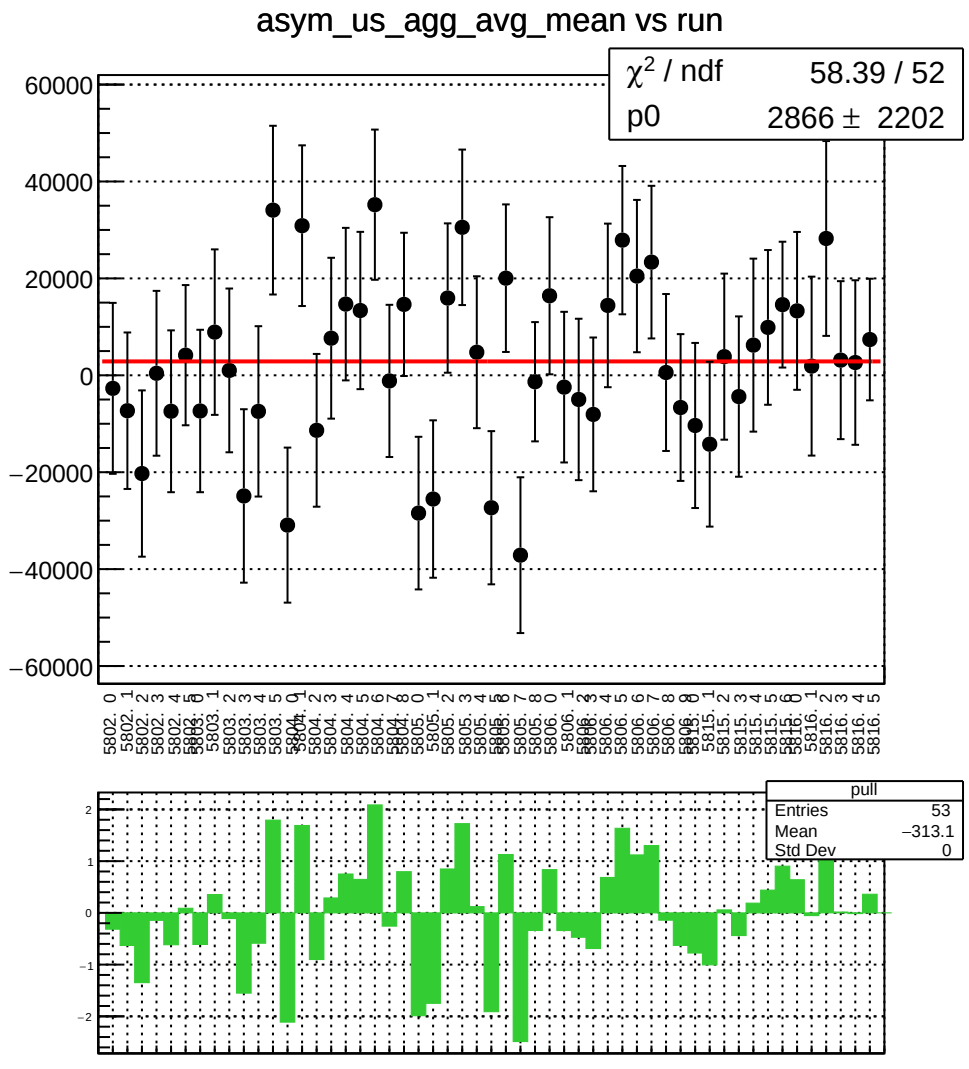

pull1D
Entries 53
Mean −0.01035
Std Dev 1.198
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

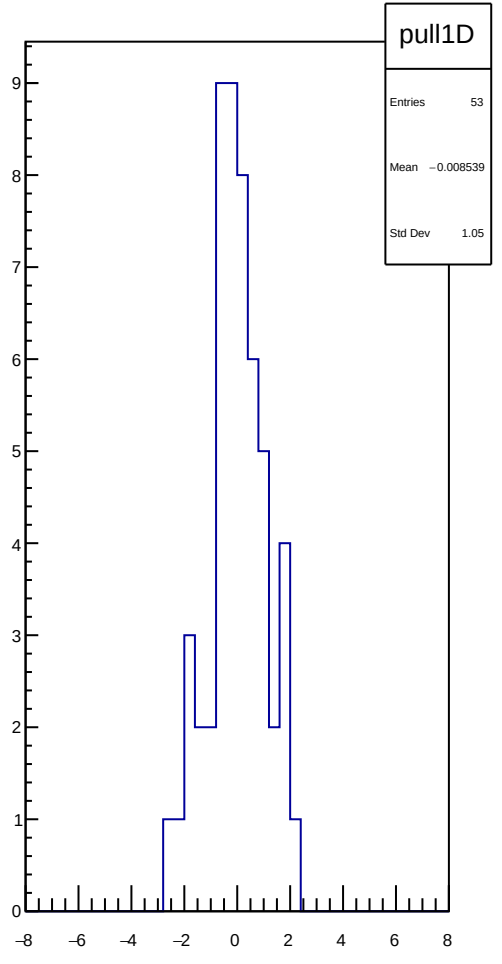

asym_dsl_rms vs run
χ² / ndf 56.38 / 52
p0 321.3 ± 0.3211
330
328
326
324
322
320
318
316
314

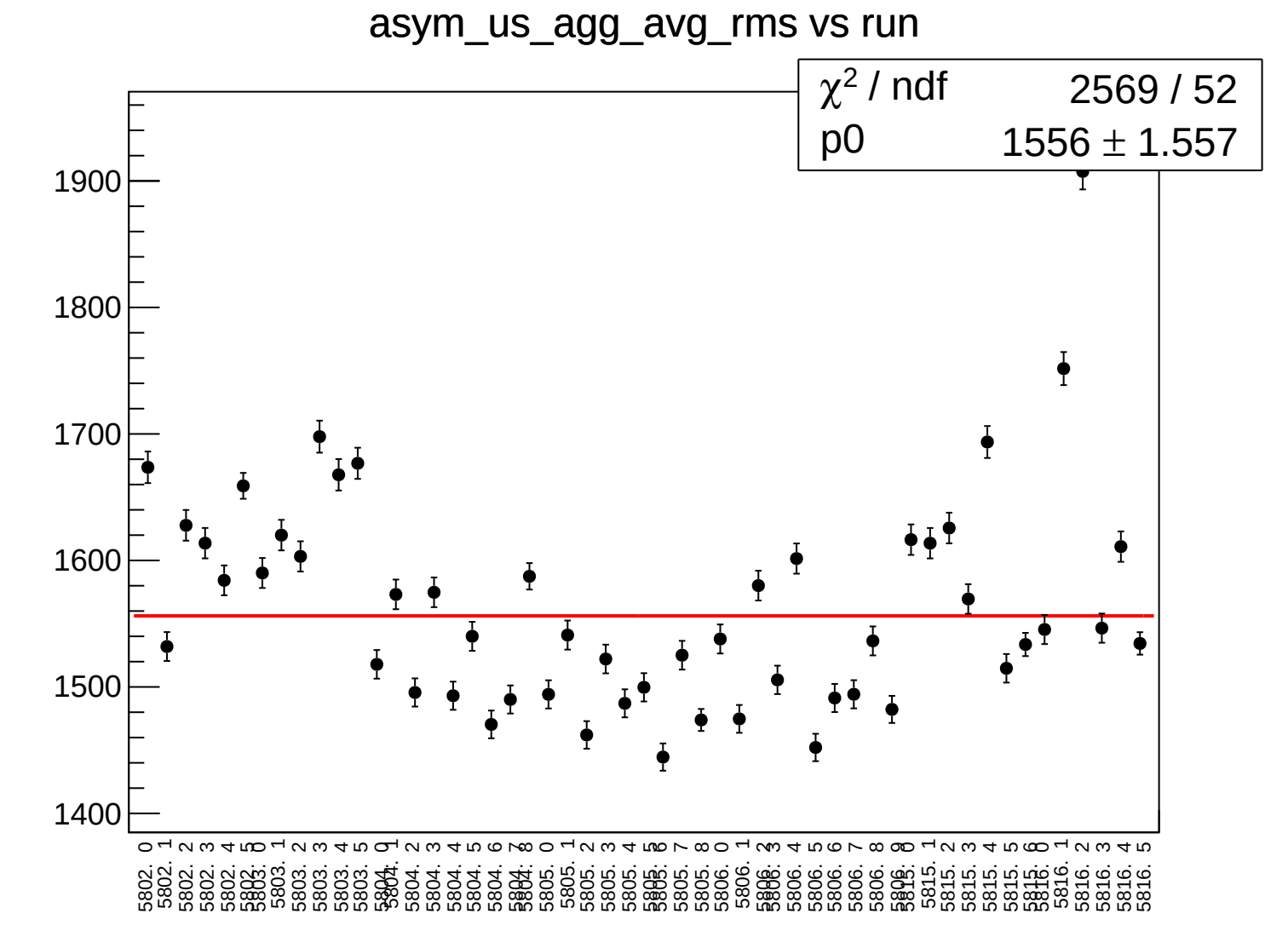

asym_dsr_mean vs run
χ² / ndf 52.54 / 52
p0 −532 ± 535.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −187.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

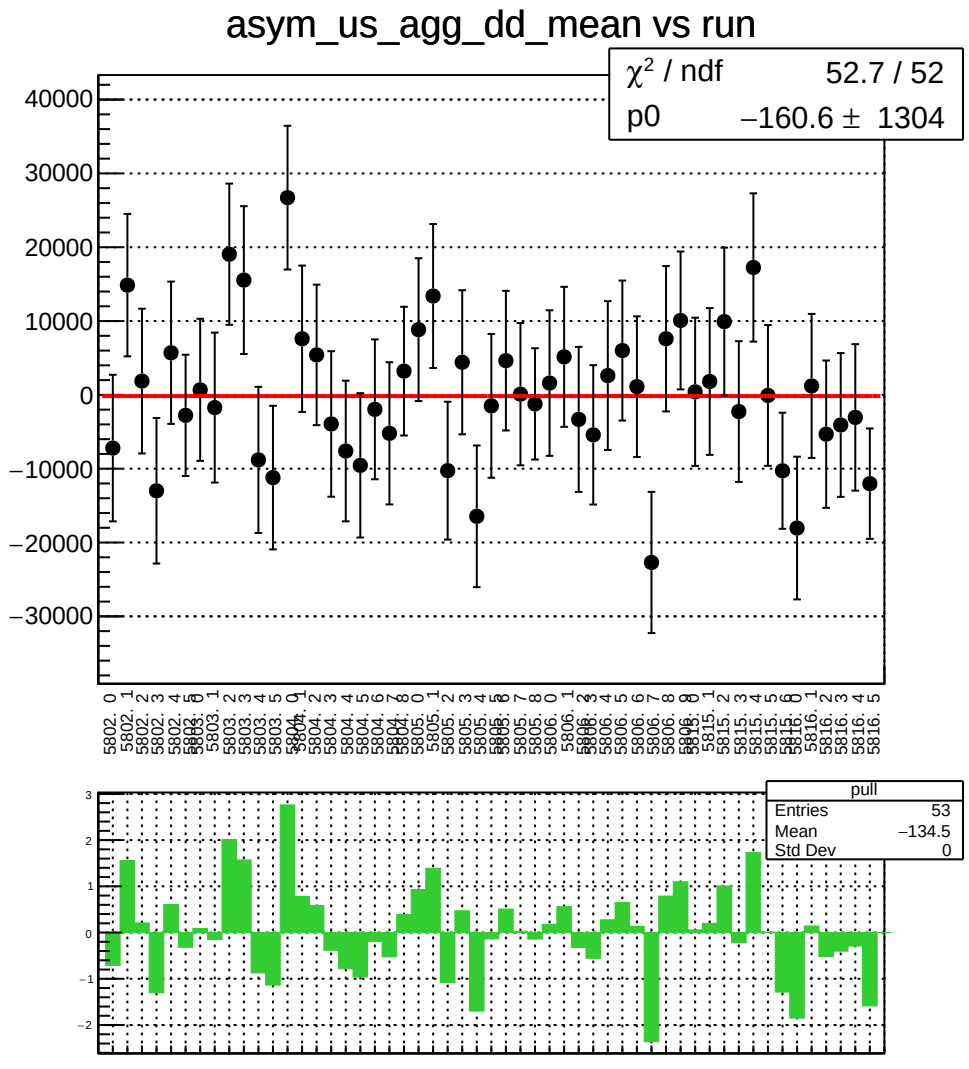

pull1D
Entries 53
Mean 0.01128
Std Dev 0.9956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

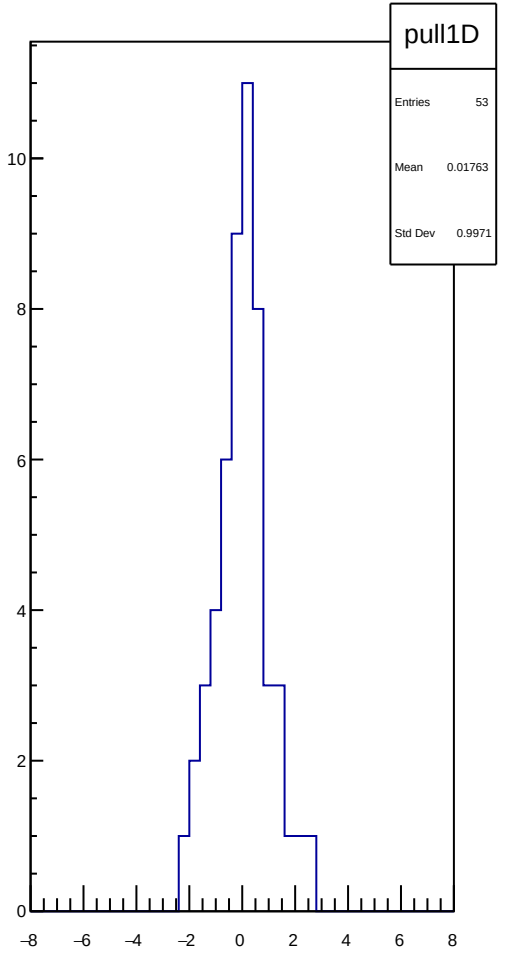

asym_dsr_rms vs run
χ² / ndf 279 / 52
p0 378.7 ± 0.3784
395
390
385
380
375
370
365
360

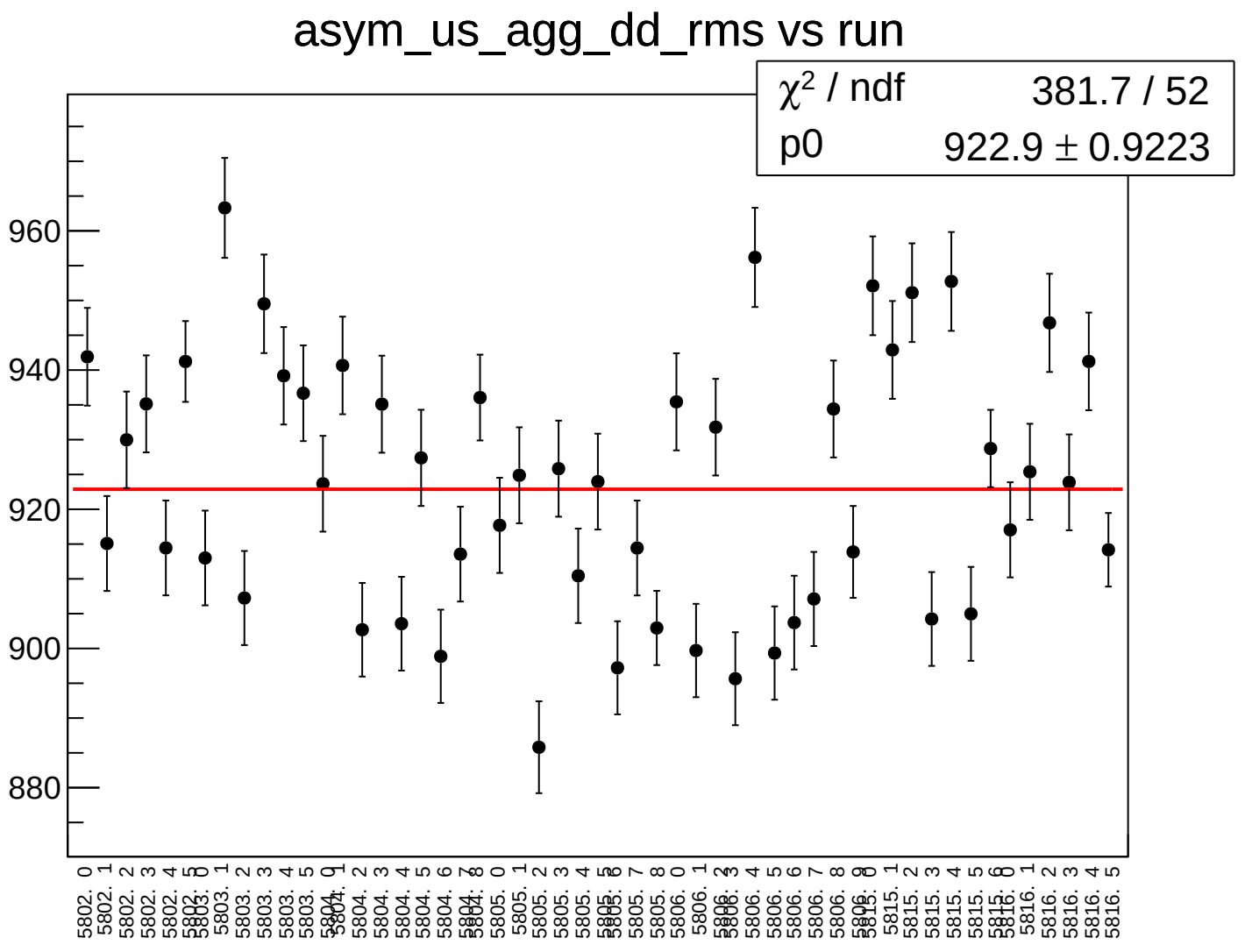

asym_us_agg_avg_mean vs run
χ² / ndf 58.39 / 52
p0 2866 ± 2202
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −313.1
Std Dev 0
2
1
0
−1
−2

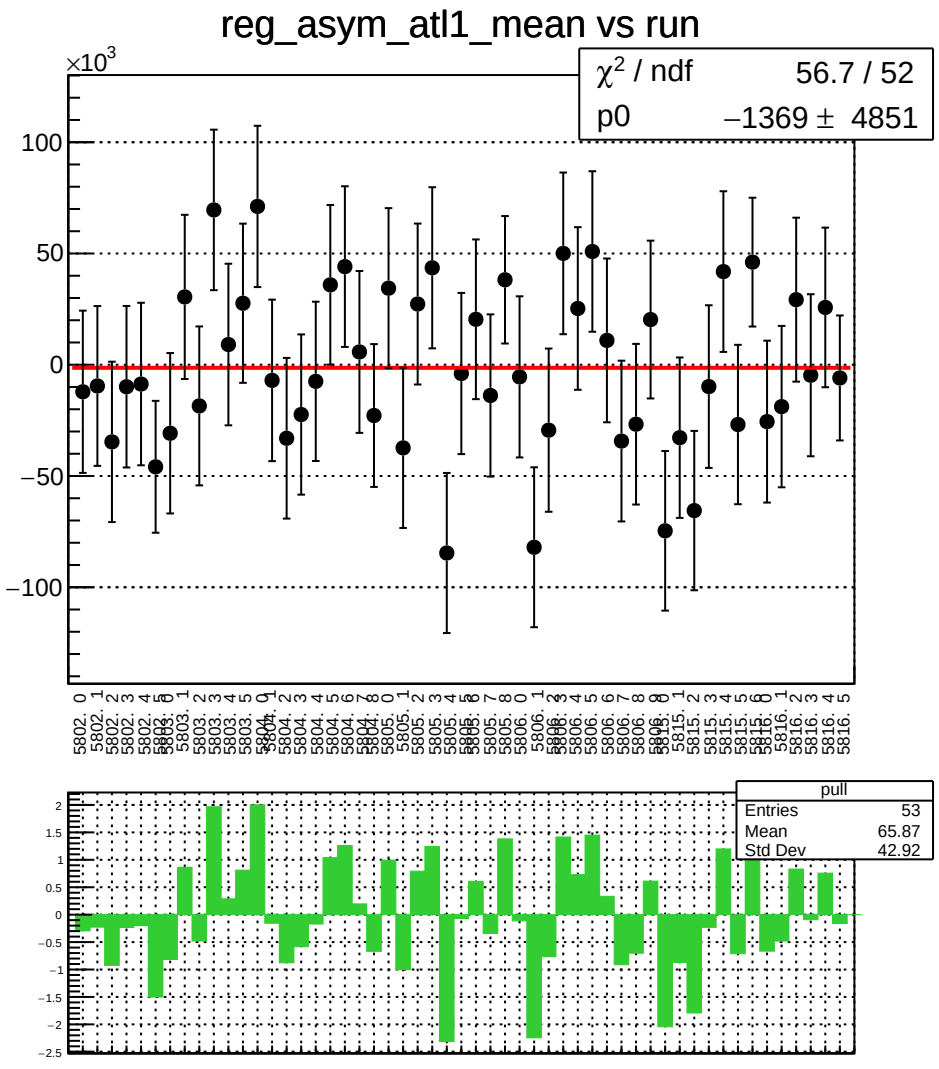

pull1D
Entries 53
Mean −0.008539
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

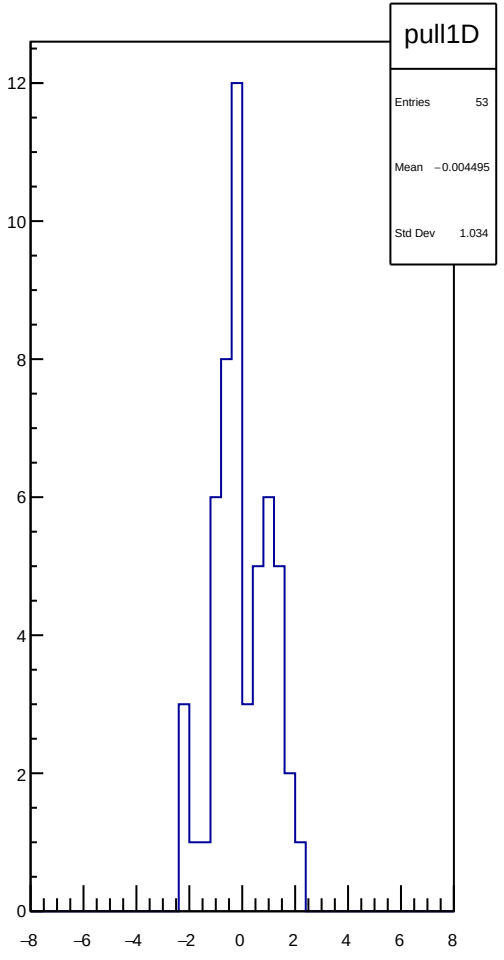

asym_us_agg_avg_rms vs run
χ² / ndf 2569 / 52
p0 1556 ± 1.557
1900
1800
1700
1600
1500
1400

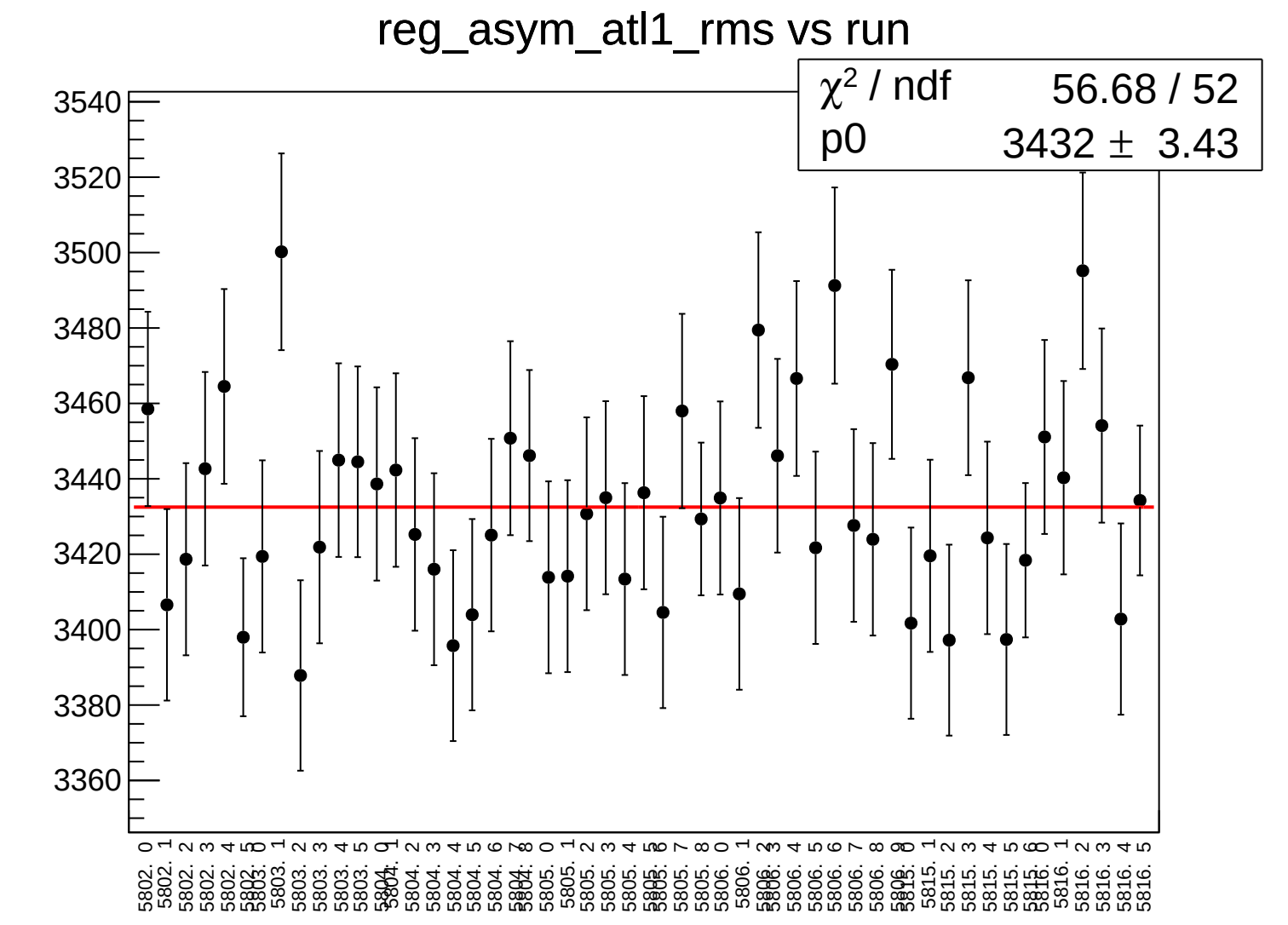

asym_us_agg_dd_mean vs run
χ² / ndf 52.7 / 52
p0 −160.6 ± 1304
pull
Entries 53
Mean −134.5
Std Dev 0

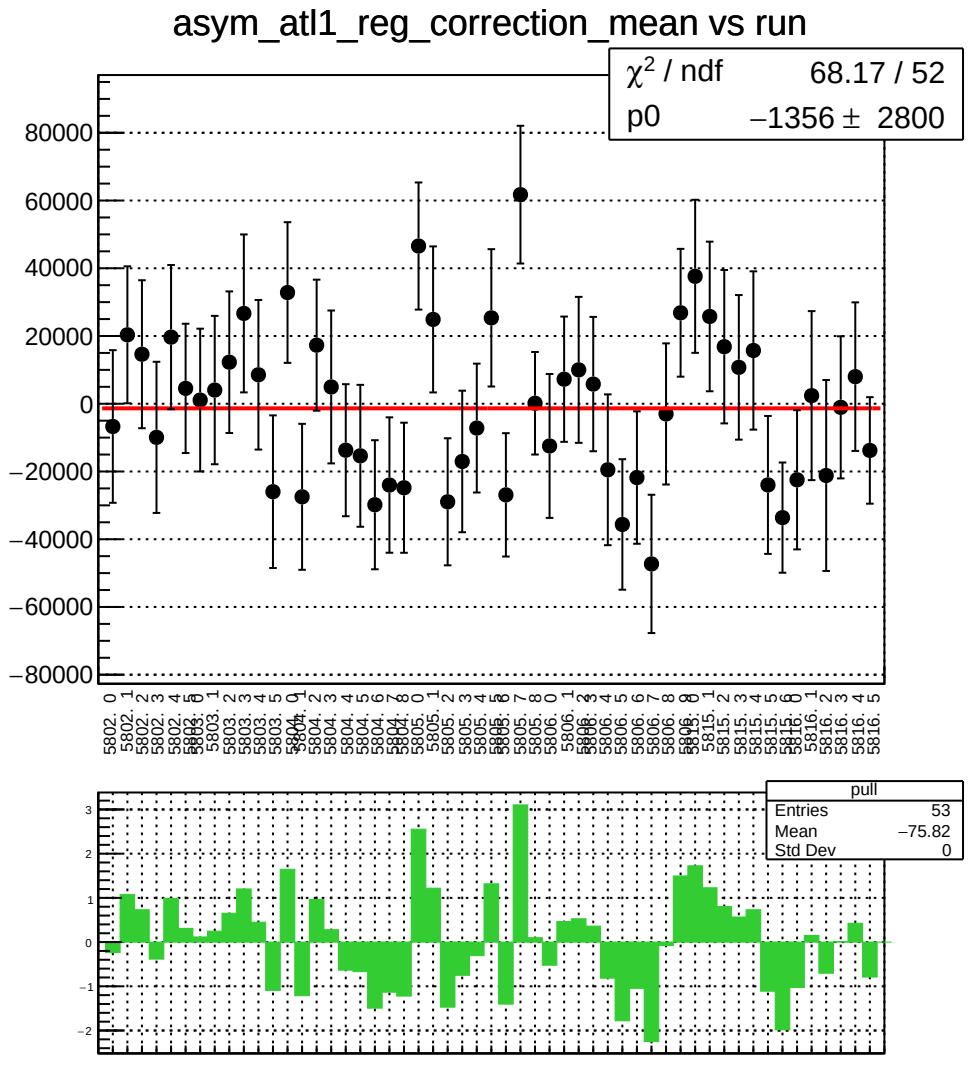

pull1D
Entries 53
Mean 0.01763
Std Dev 0.9971

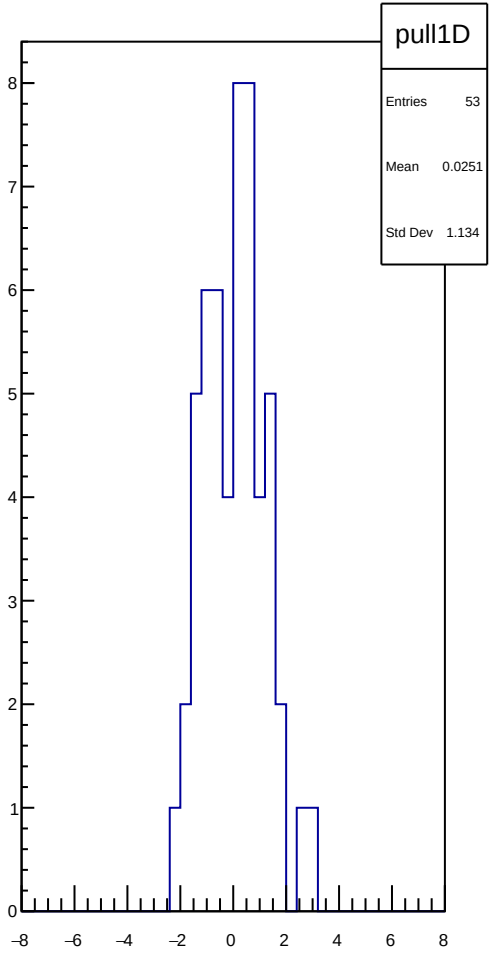

asym_us_agg_dd_rms vs run
χ² / ndf 381.7 / 52
p0 922.9 ± 0.9223
960
940
920
900
880

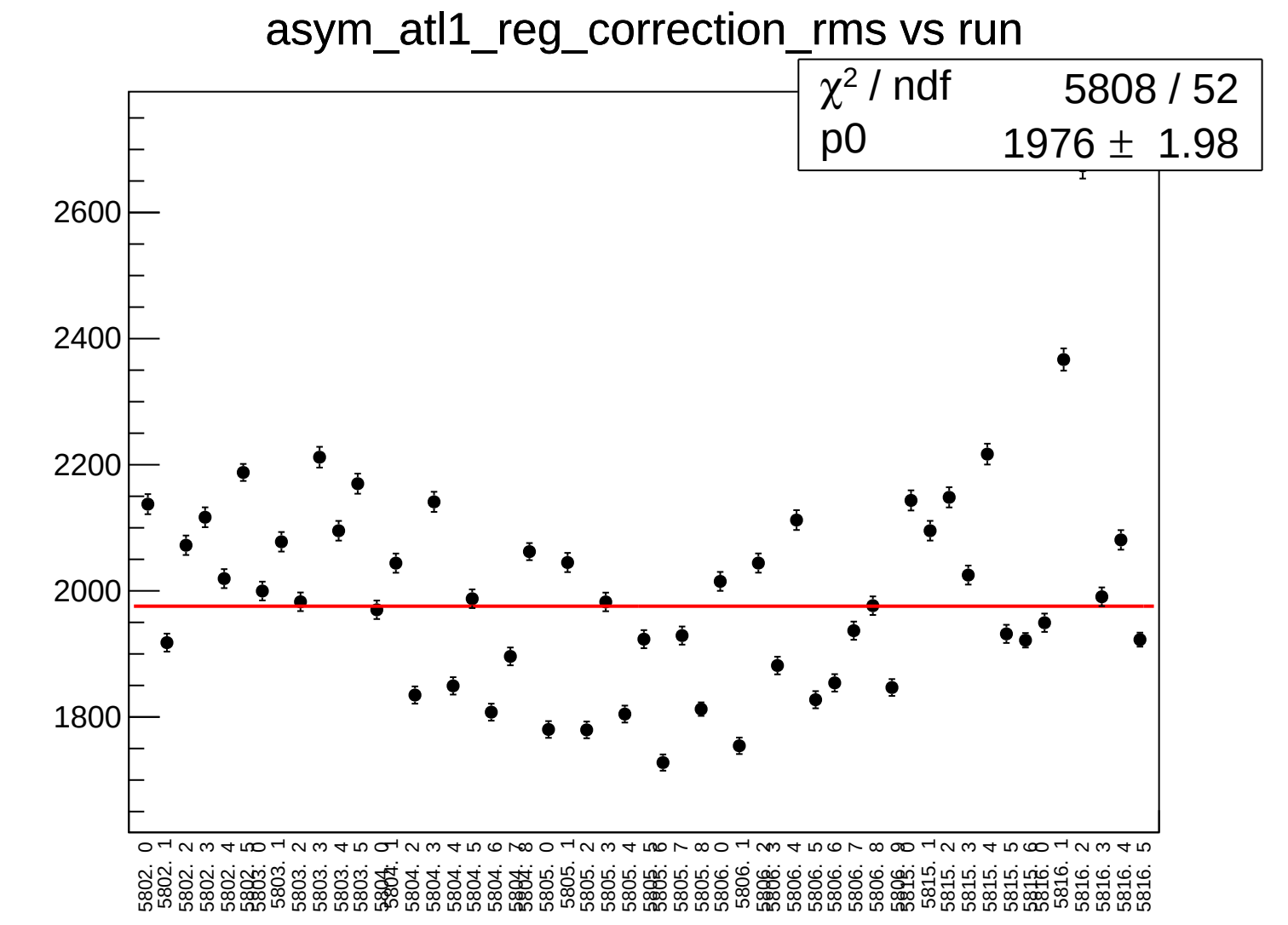

reg_asym_atl1_mean vs run
×10^3
χ^2 / ndf 56.7 / 52
p0 −1369 ± 4851
100
50
0
−50
−100
pull
Entries 53
Mean 65.87
Std Dev 42.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

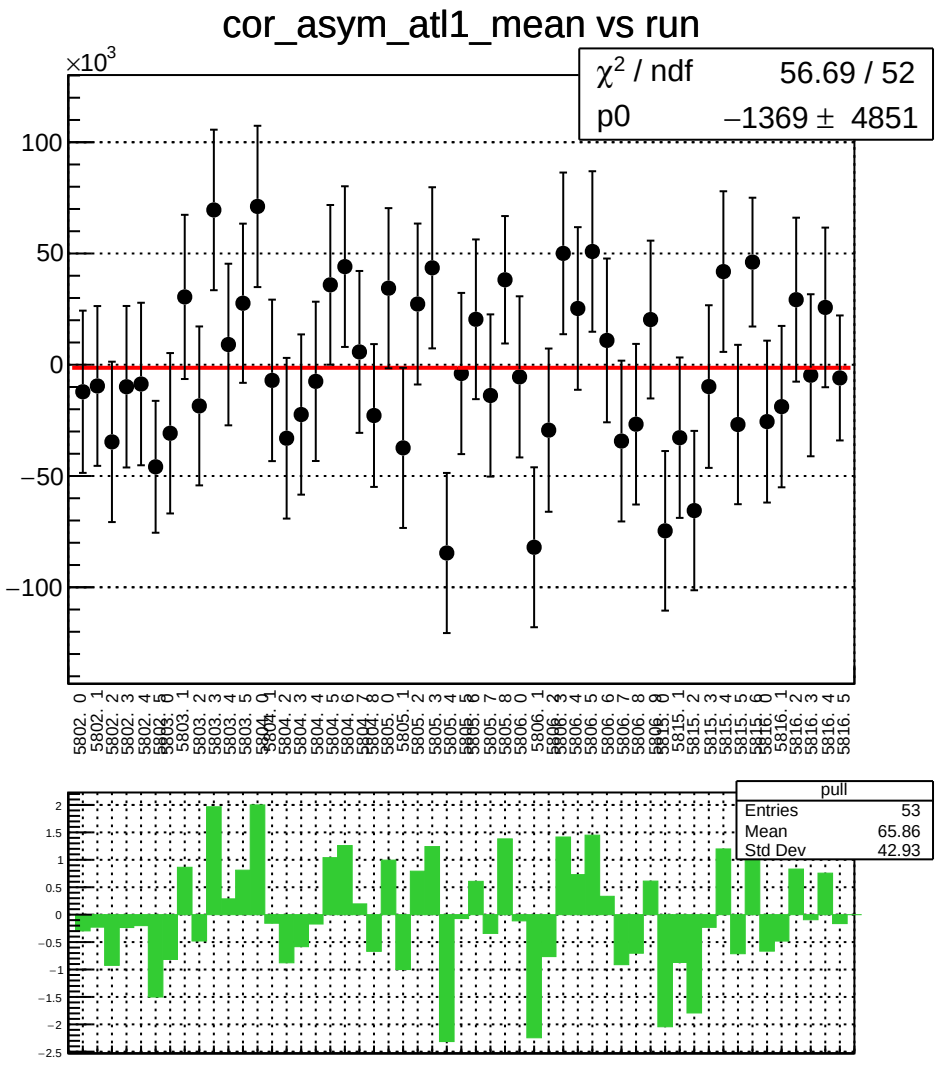

pull1D
Entries 53
Mean −0.004495
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

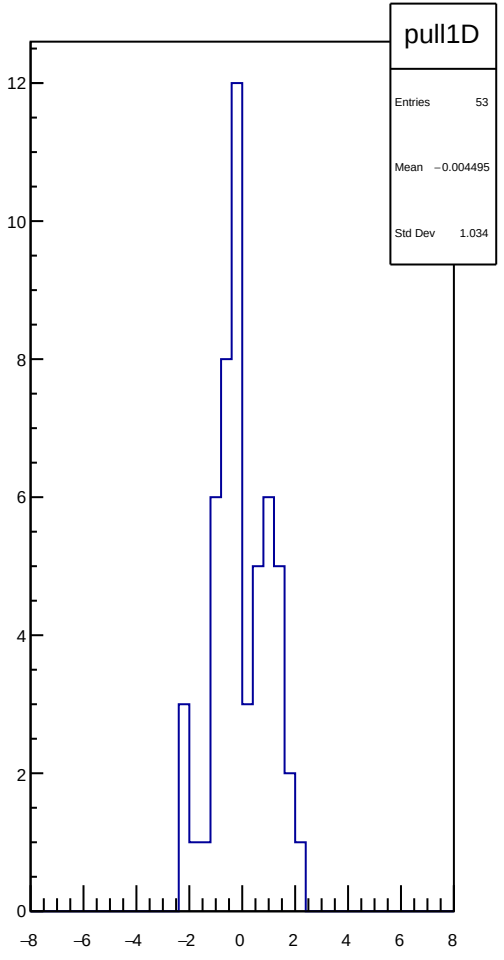

reg_asym_atl1_rms vs run
χ² / ndf 56.68 / 52
p0 3432 ± 3.43
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360

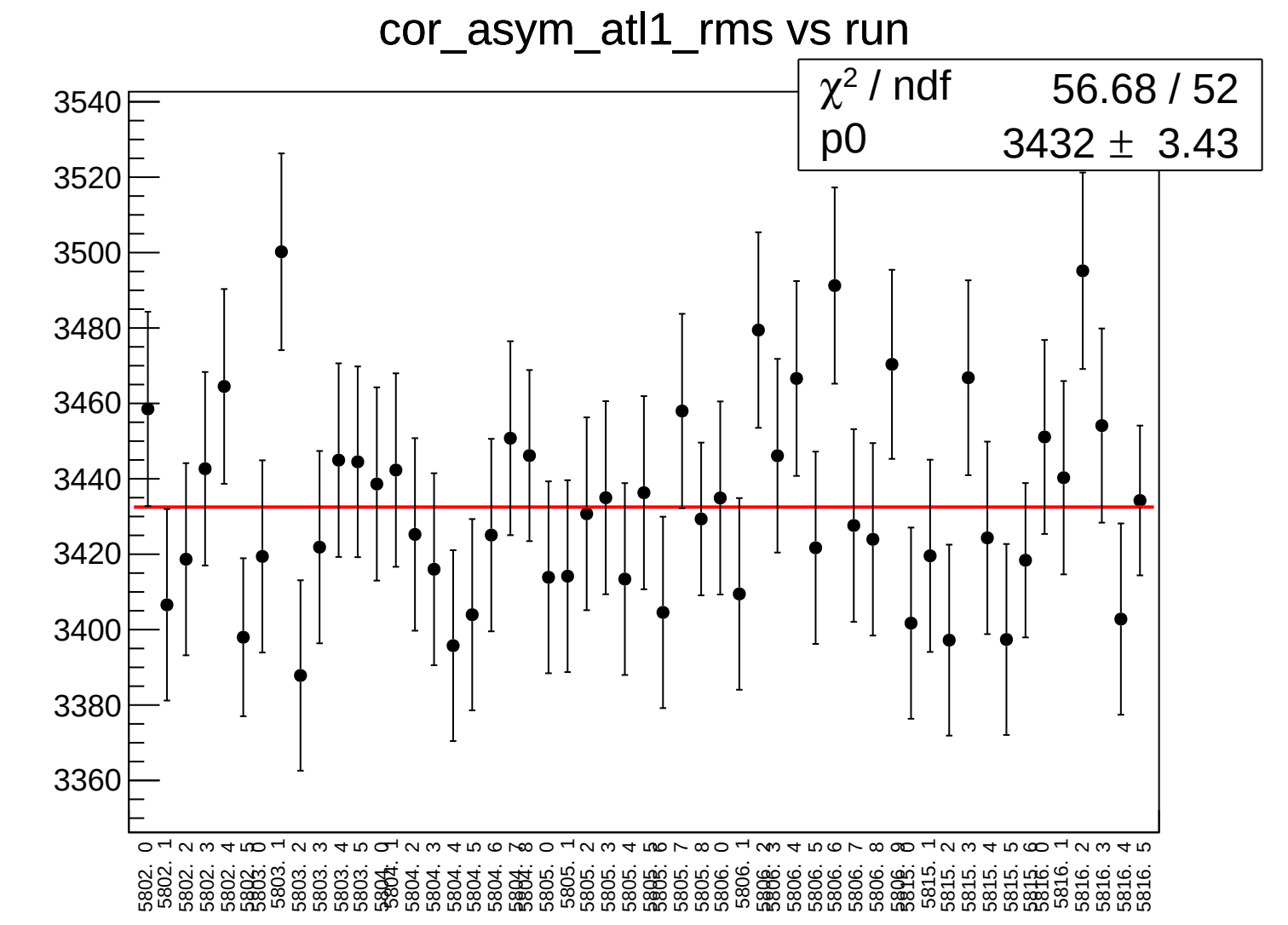

asym_atl1_reg_correction_mean vs run
χ² / ndf 68.17 / 52
p0 −1356 ± 2800
pull
Entries 53
Mean −75.82
Std Dev 0

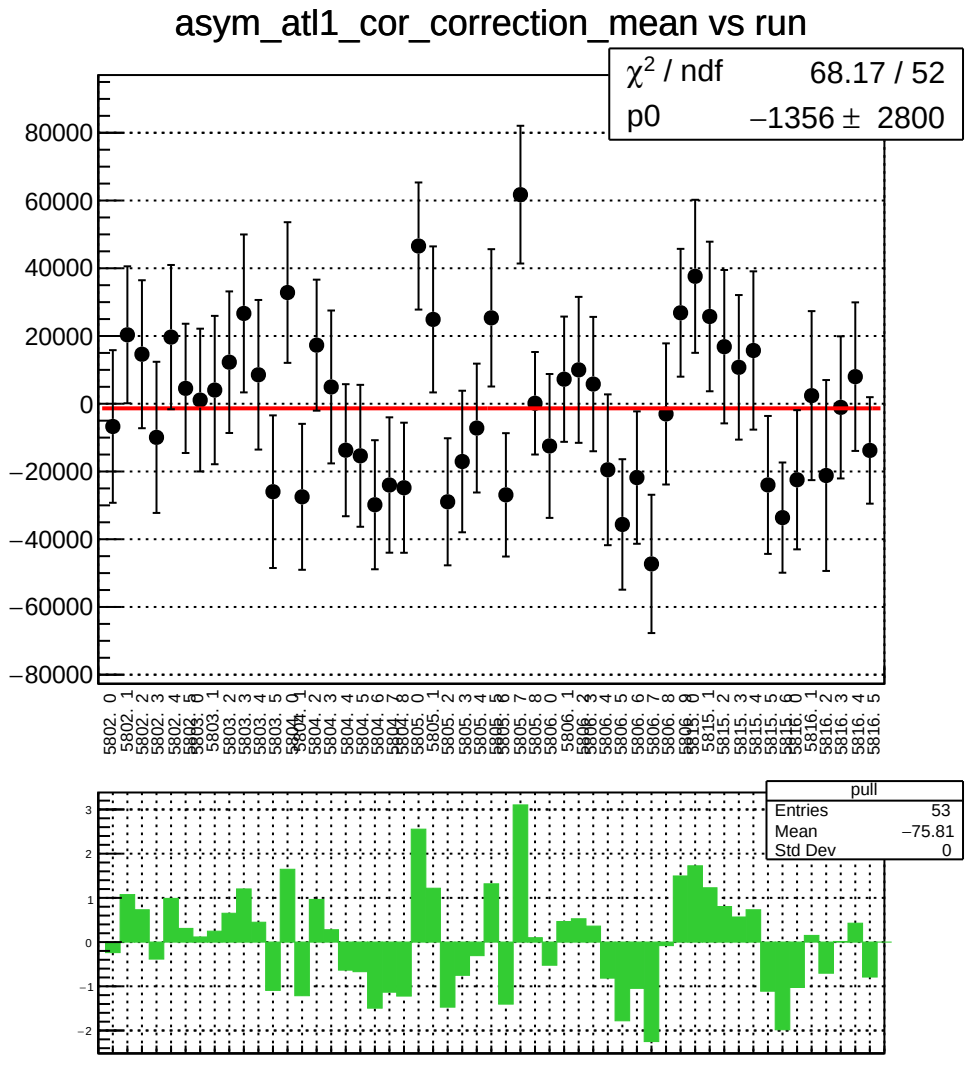

pull1D
Entries 53
Mean 0.0251
Std Dev 1.134

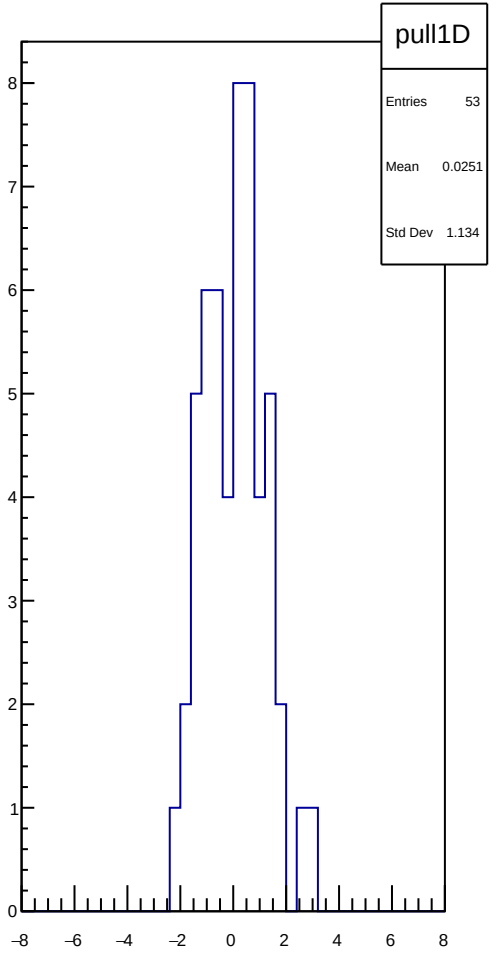

asym_atl1_reg_correction_rms vs run
χ² / ndf 5808 / 52
p0 1976 ± 1.98
2600
2400
2200
2000
1800

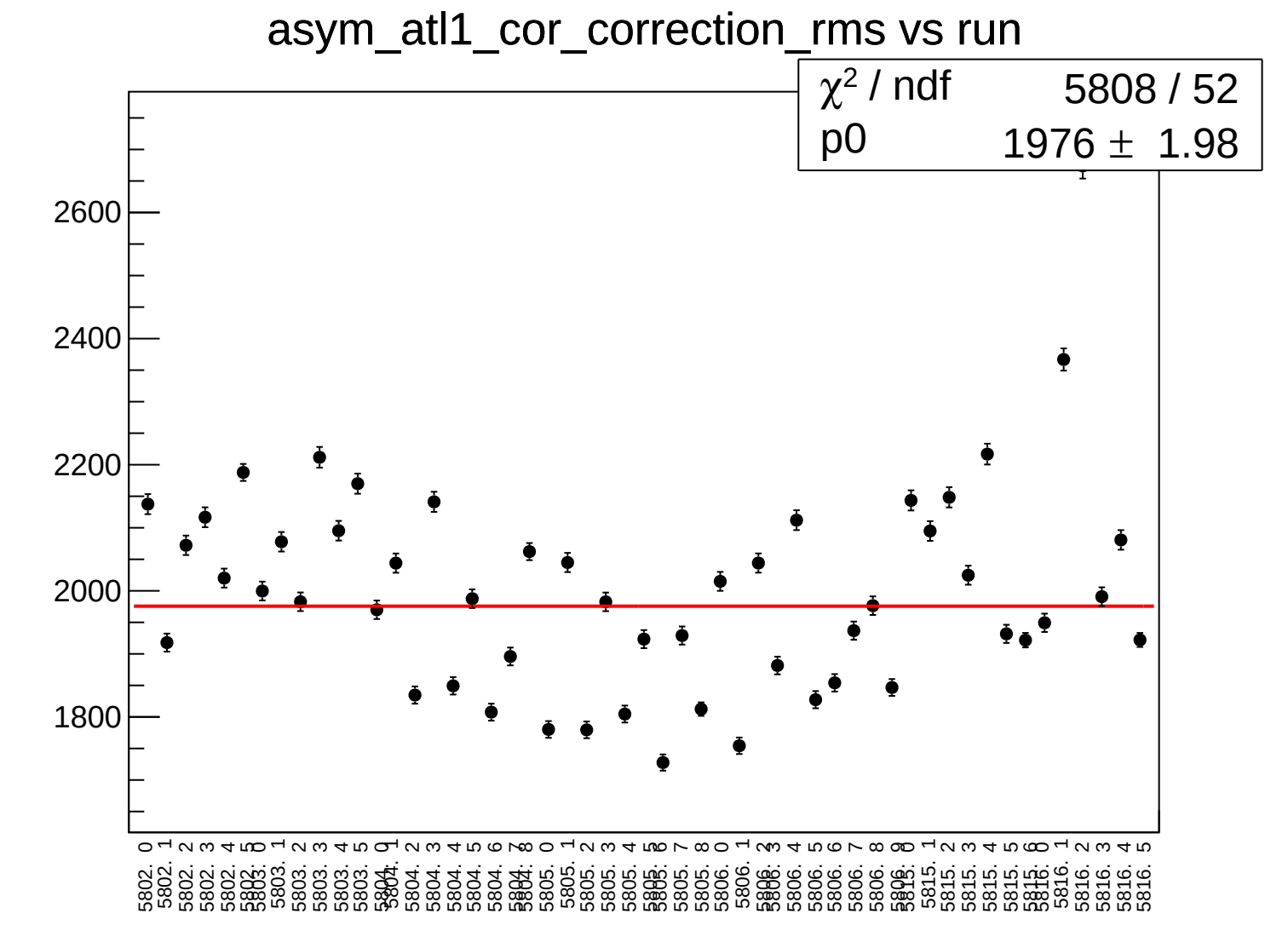

cor_asym_atl1_mean vs run
χ² / ndf 56.69 / 52
p0 −1369 ± 4851
×10³
pull
Entries 53
Mean 65.86
Std Dev 42.93

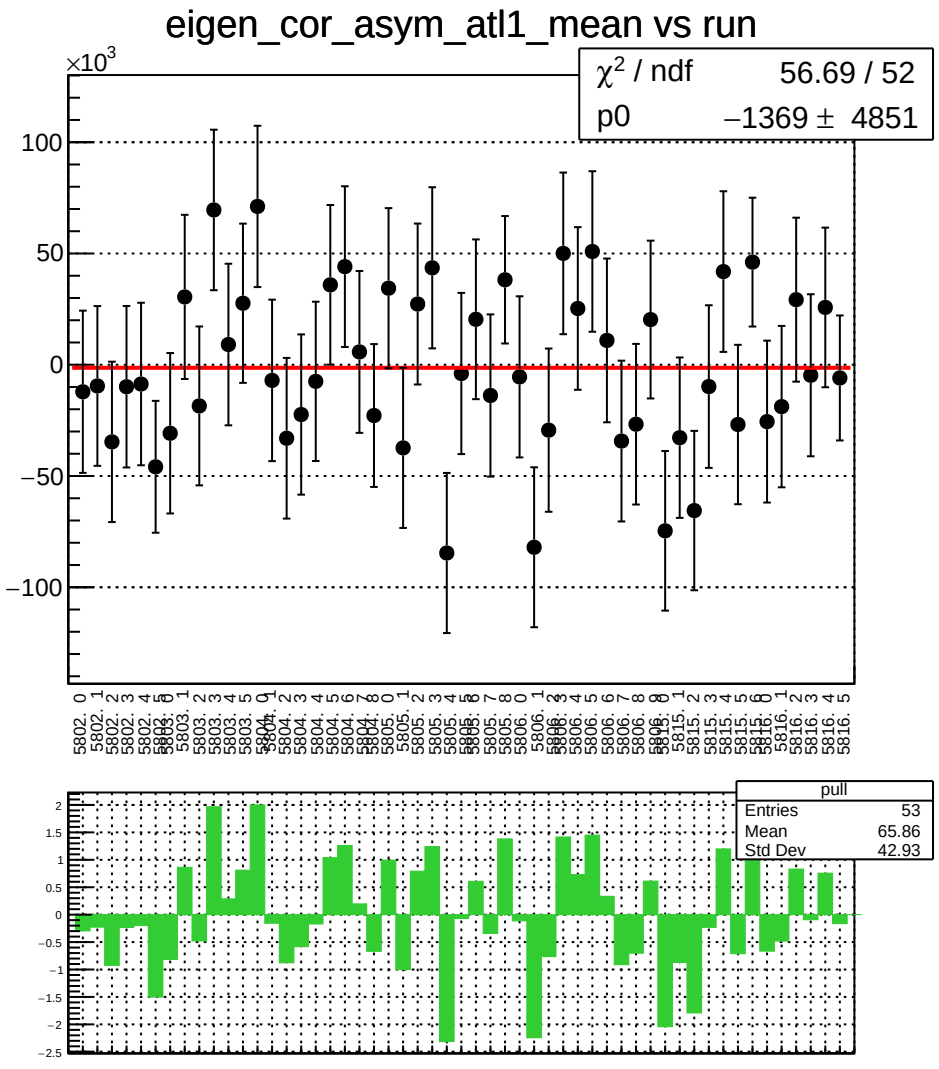

pull1D
Entries 53
Mean −0.004495
Std Dev 1.034

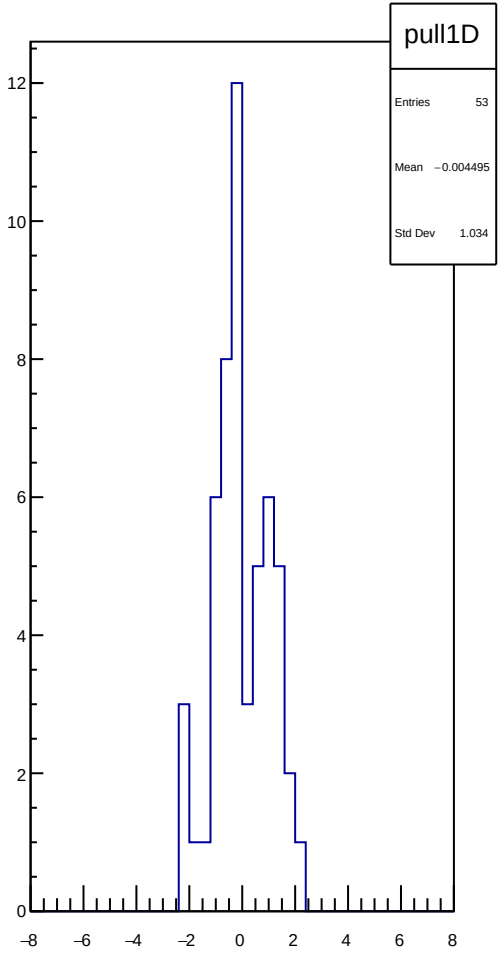

cor_asym_atl1_rms vs run
χ² / ndf 56.68 / 52
p0 3432 ± 3.43
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360

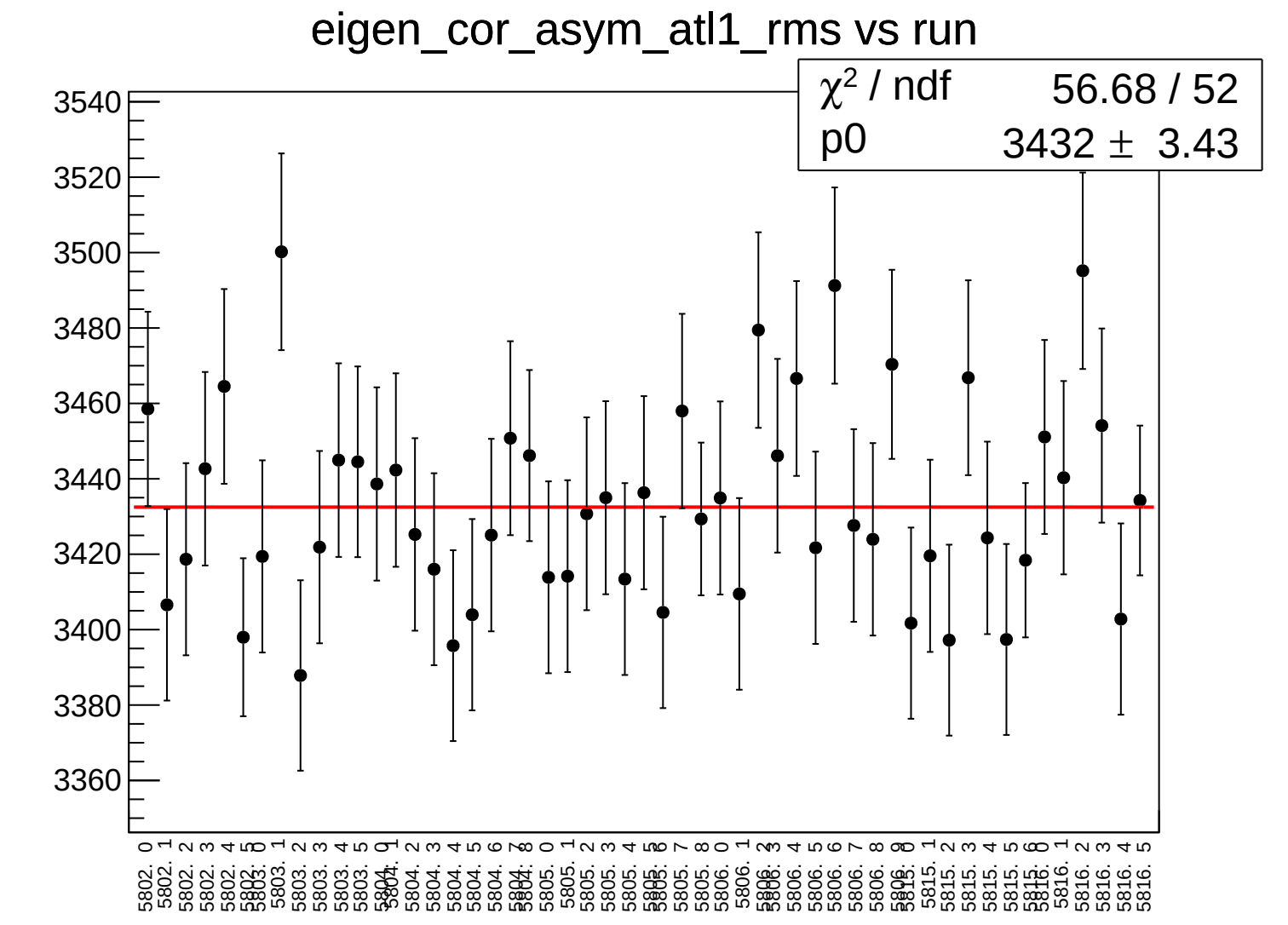

asym_atl1_cor_correction_mean vs run
χ² / ndf 68.17 / 52
p0 −1356 ± 2800
pull
Entries 53
Mean −75.81
Std Dev 0

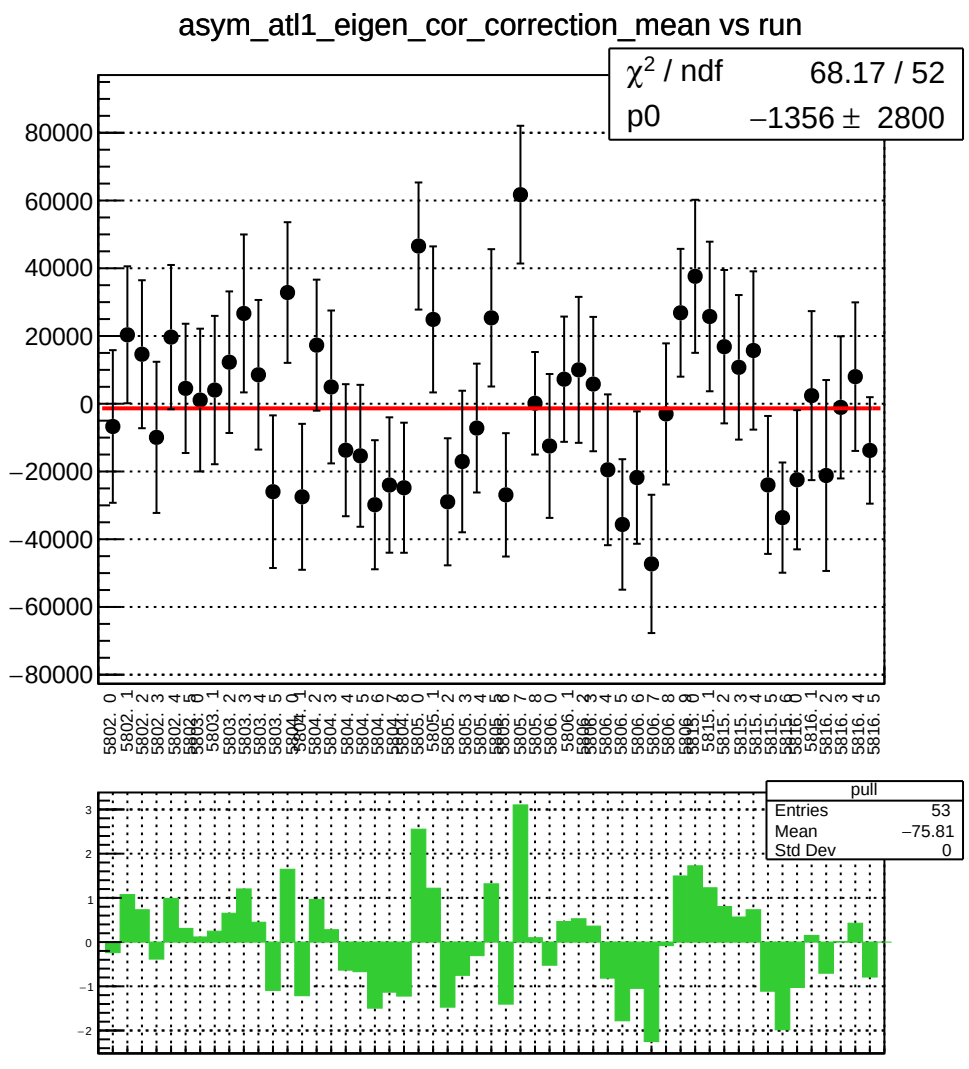

pull1D
Entries 53
Mean 0.0251
Std Dev 1.134

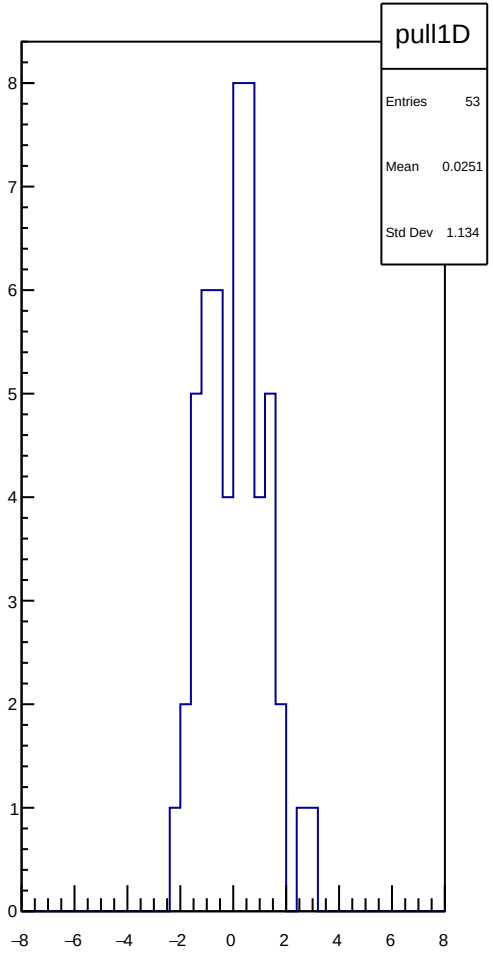

asym_atl1_cor_correction_rms vs run
χ² / ndf 5808 / 52
p0 1976 ± 1.98
2600
2400
2200
2000
1800

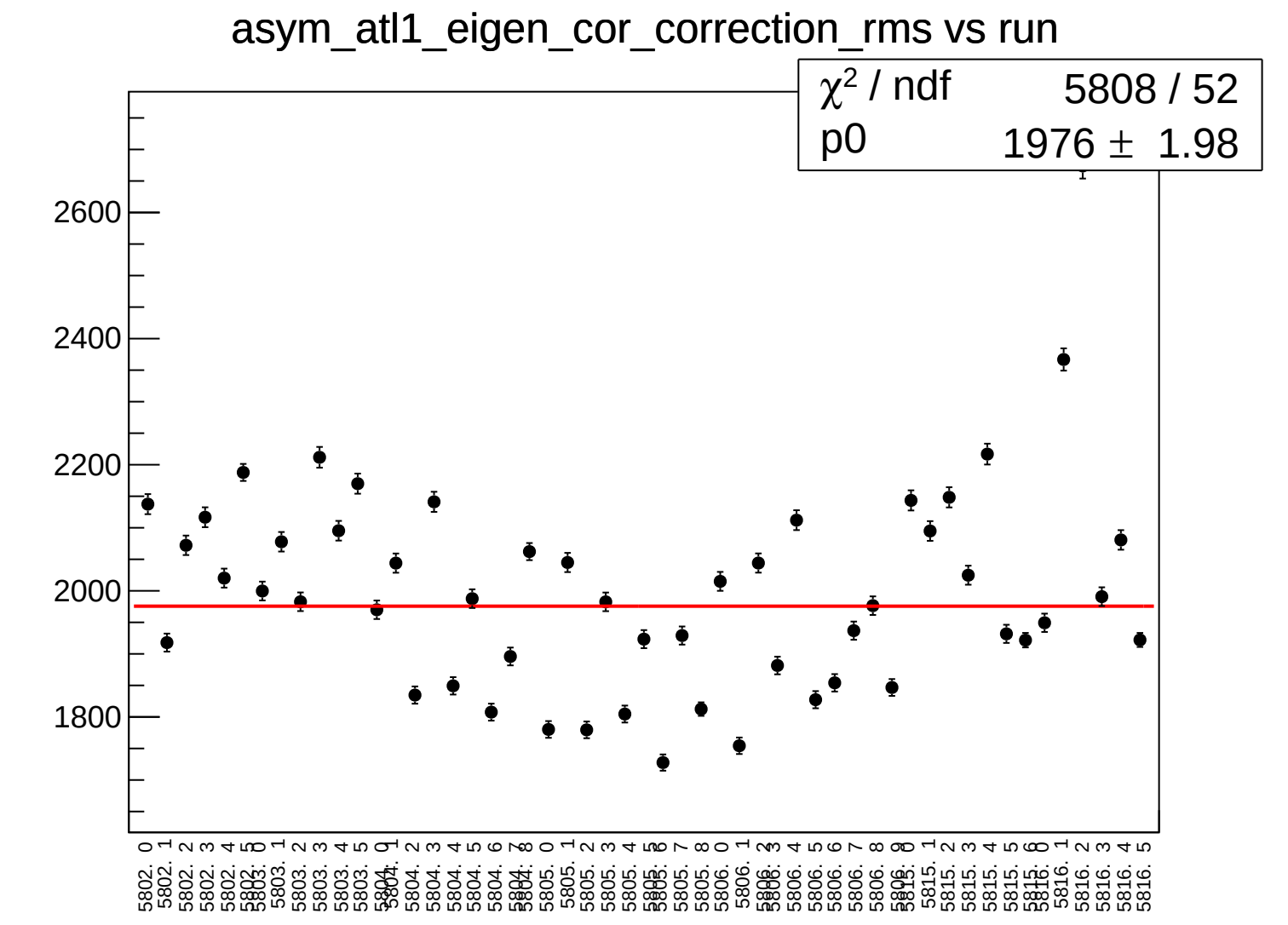

eigen_cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 56.69 / 52
p0 −1369 ± 4851
100
50
0
−50
−100
pull
Entries 53
Mean 65.86
Std Dev 42.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

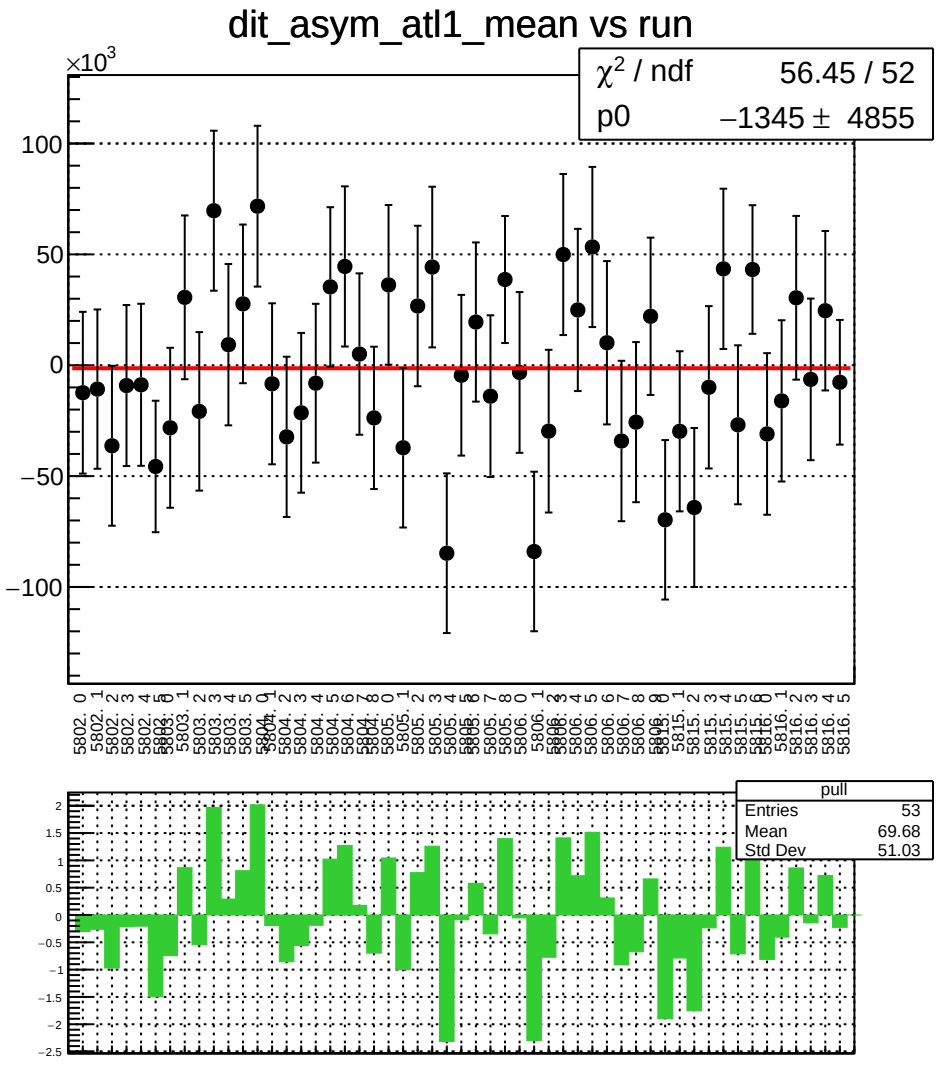

pull1D
Entries 53
Mean −0.004495
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

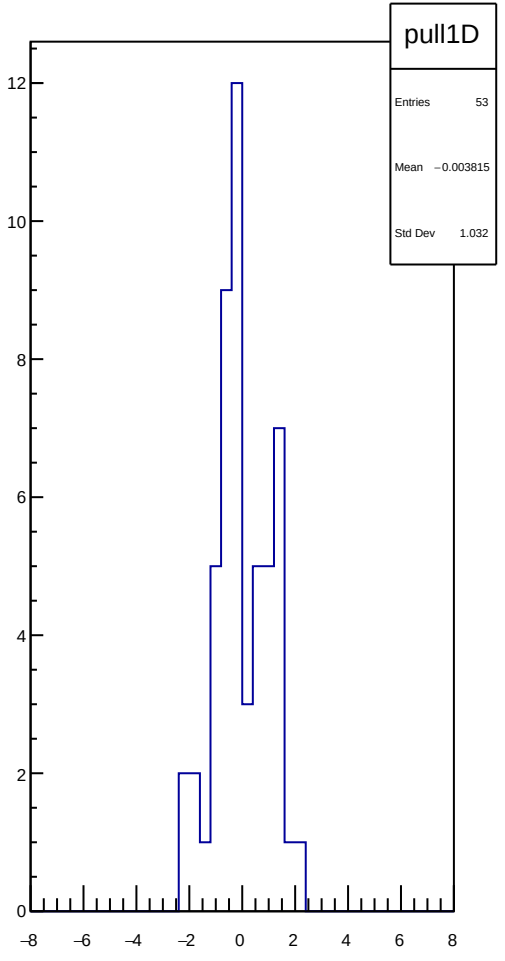

eigen_cor_asym_atl1_rms vs run
χ² / ndf 56.68 / 52
p0 3432 ± 3.43
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360

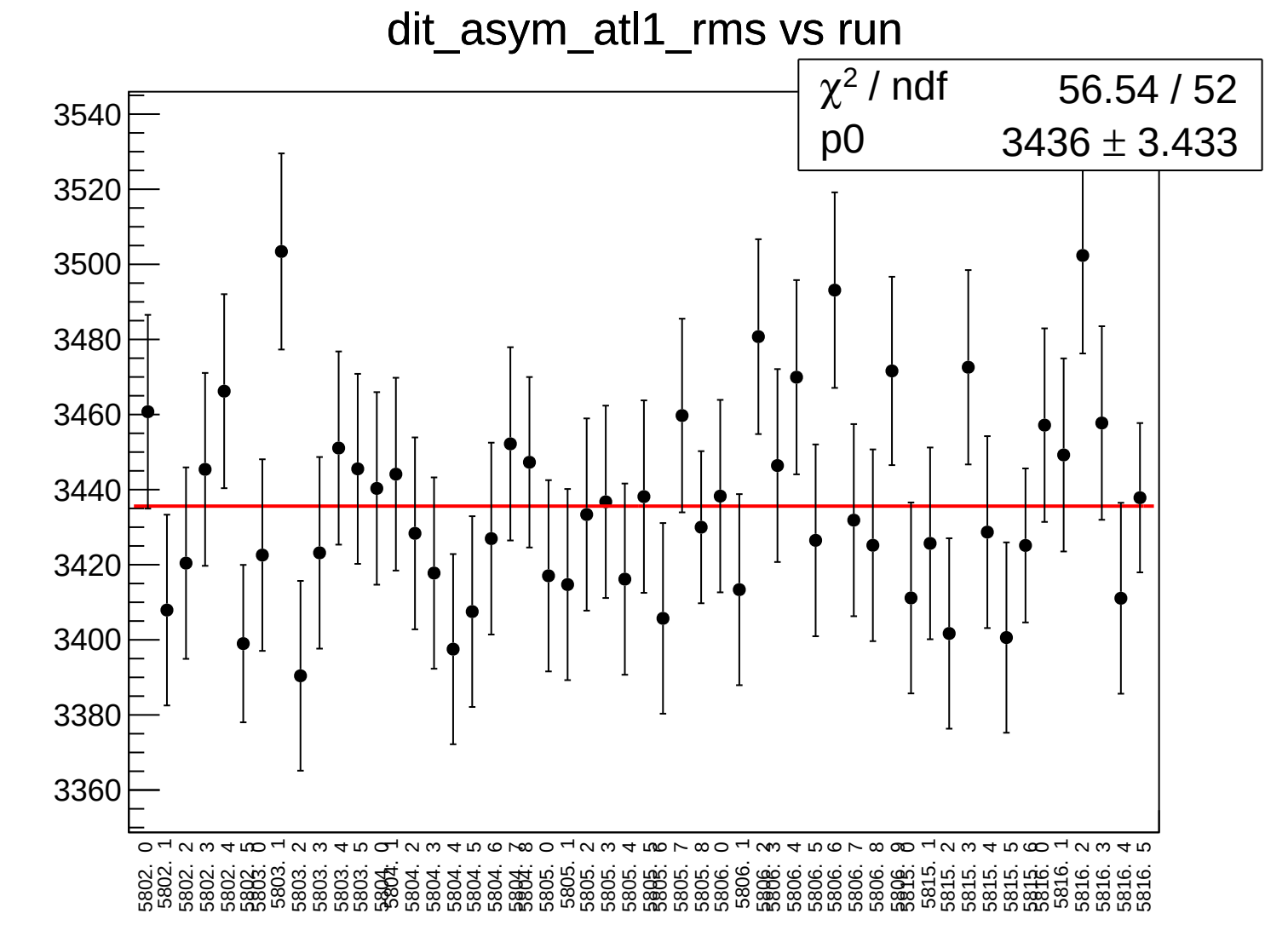

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 68.17 / 52
p0 −1356 ± 2800
pull
Entries 53
Mean −75.81
Std Dev 0

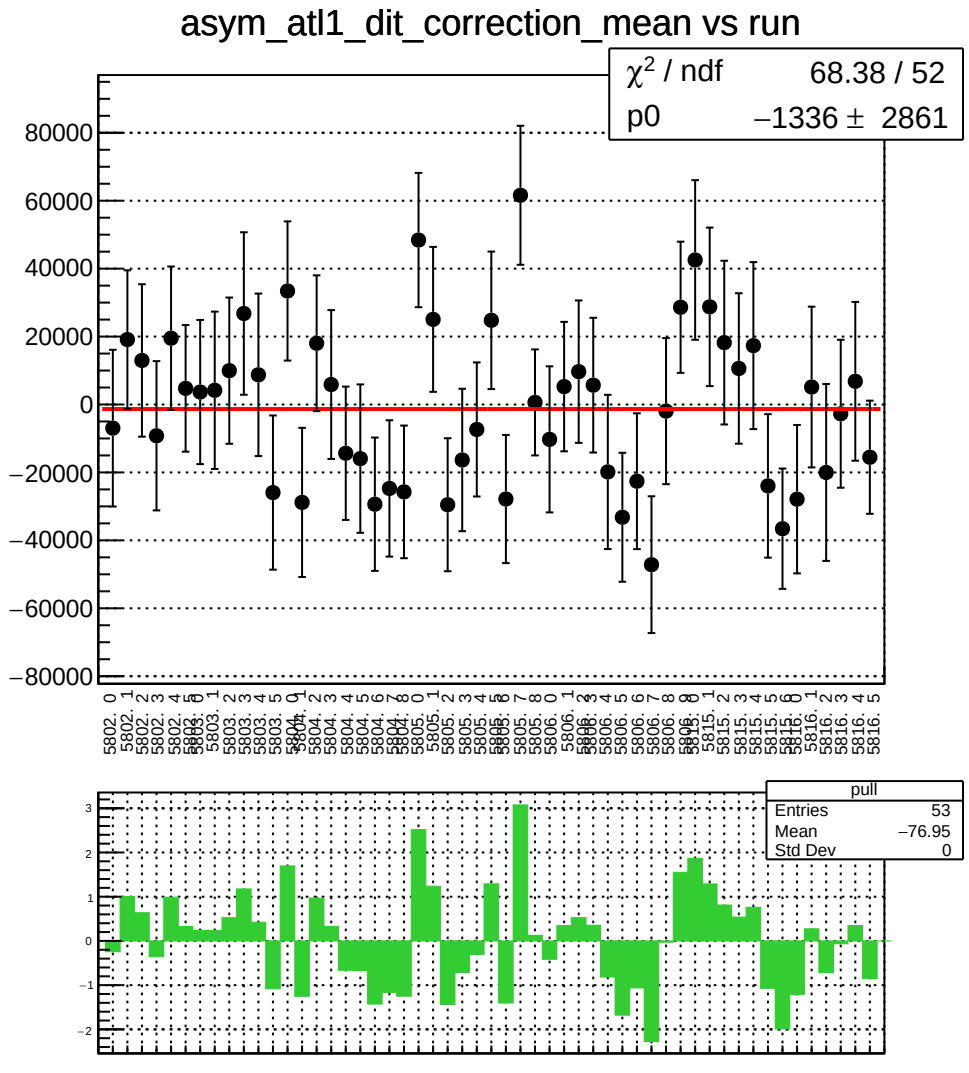

pull1D
Entries 53
Mean 0.0251
Std Dev 1.134

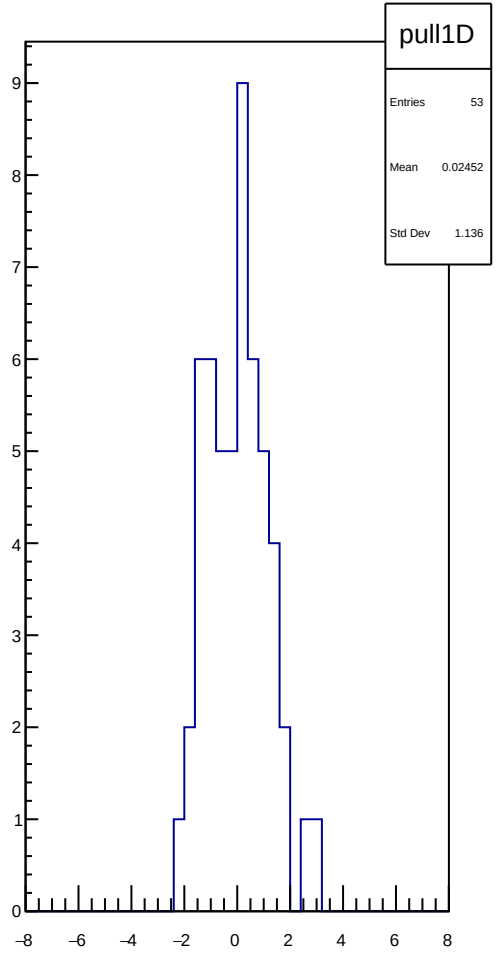

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 5808 / 52
p0 1976 ± 1.98
2600
2400
2200
2000
1800

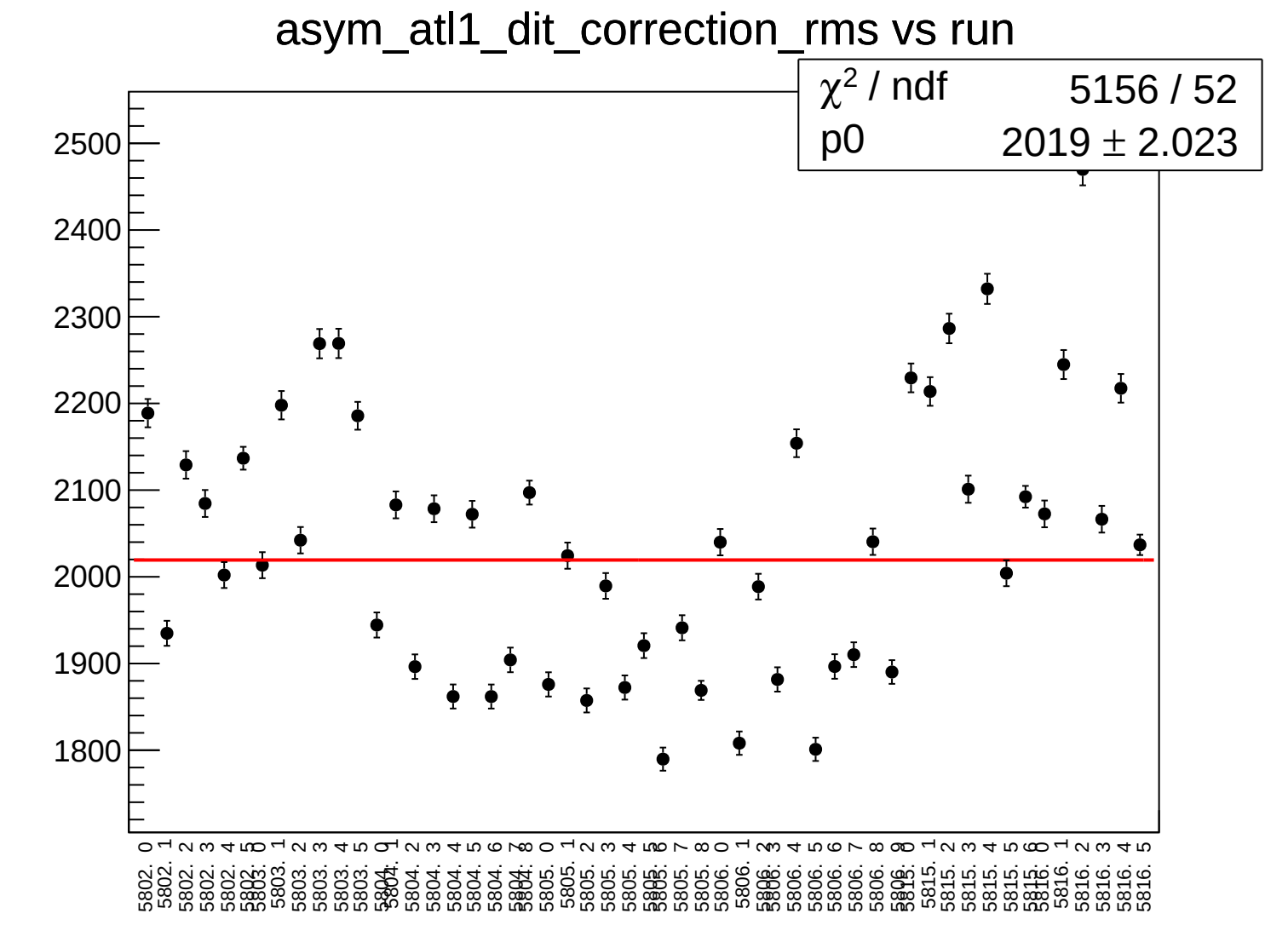

dit_asym_atl1_mean vs run
χ² / ndf 56.45 / 52
p0 −1345 ± 4855
×10³
100
50
0
−50
−100
pull
Entries 53
Mean 69.68
Std Dev 51.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

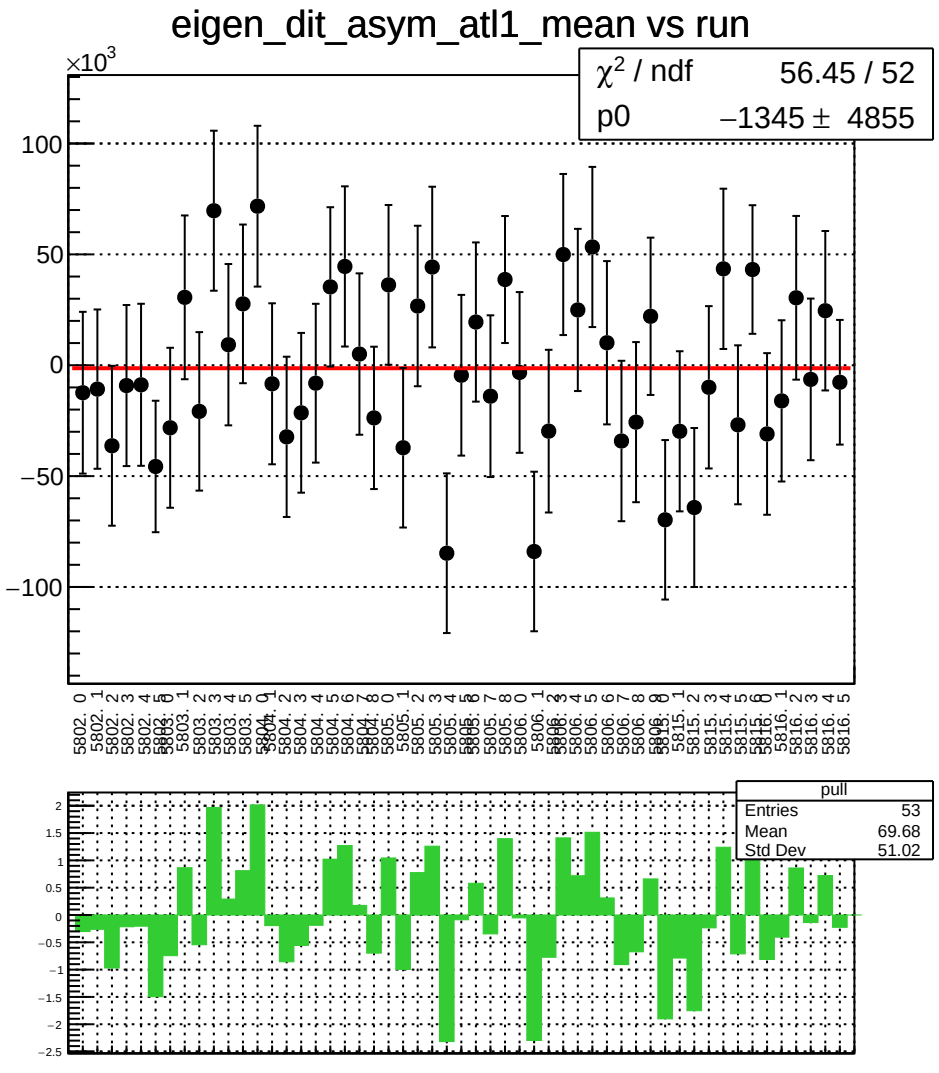

pull1D
Entries 53
Mean −0.003815
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

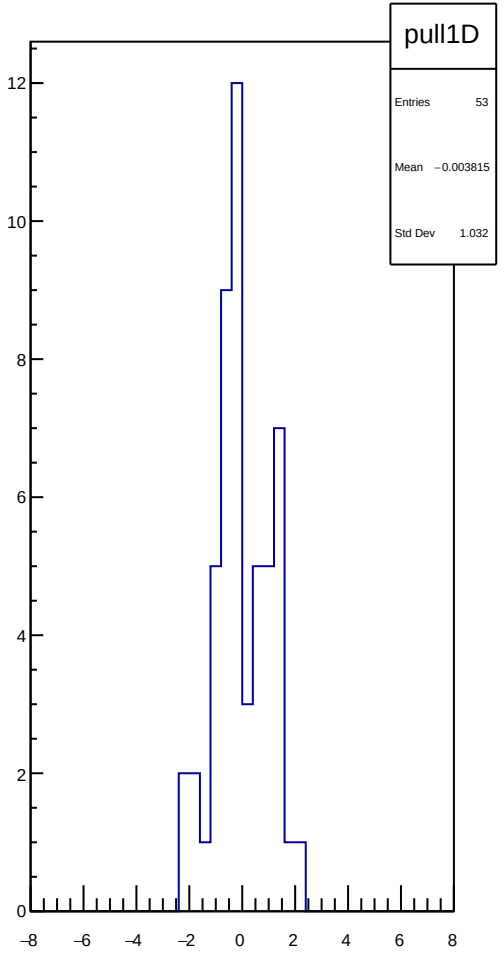

dit_asym_atl1_rms vs run
χ² / ndf 56.54 / 52
p0 3436 ± 3.433
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360

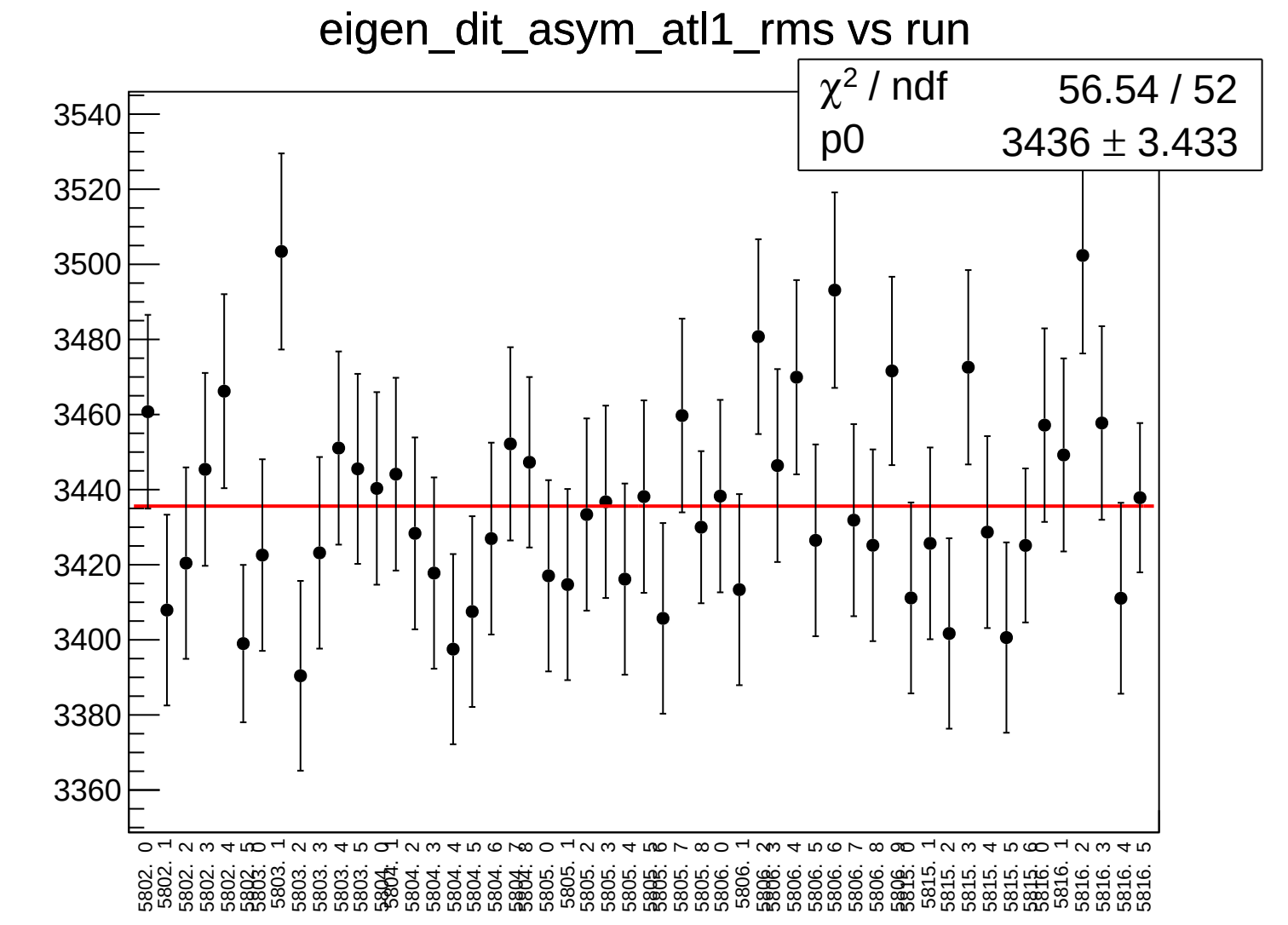

asym_atl1_dit_correction_mean vs run
χ² / ndf 68.38 / 52
p0 −1336 ± 2861
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −76.95
Std Dev 0
3
2
1
0
−1
−2

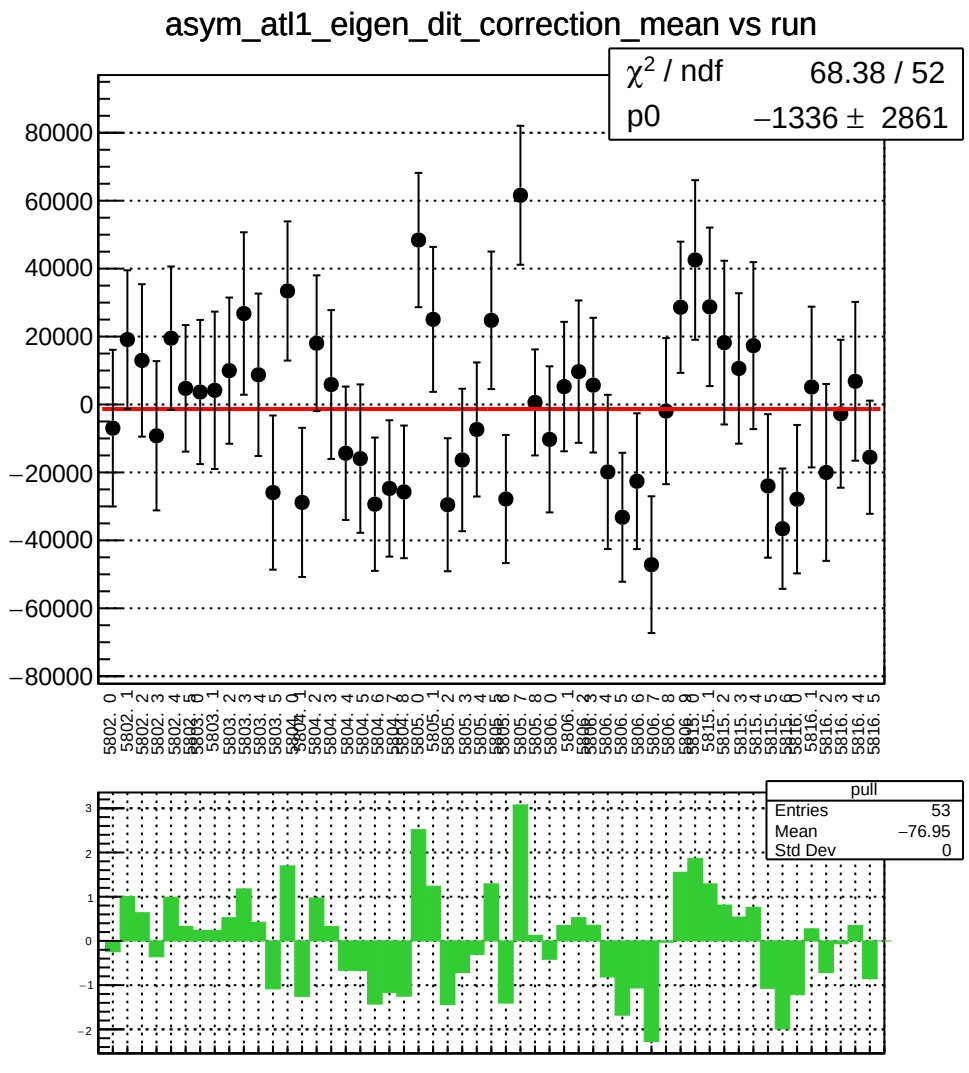

pull1D
Entries 53
Mean 0.02452
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

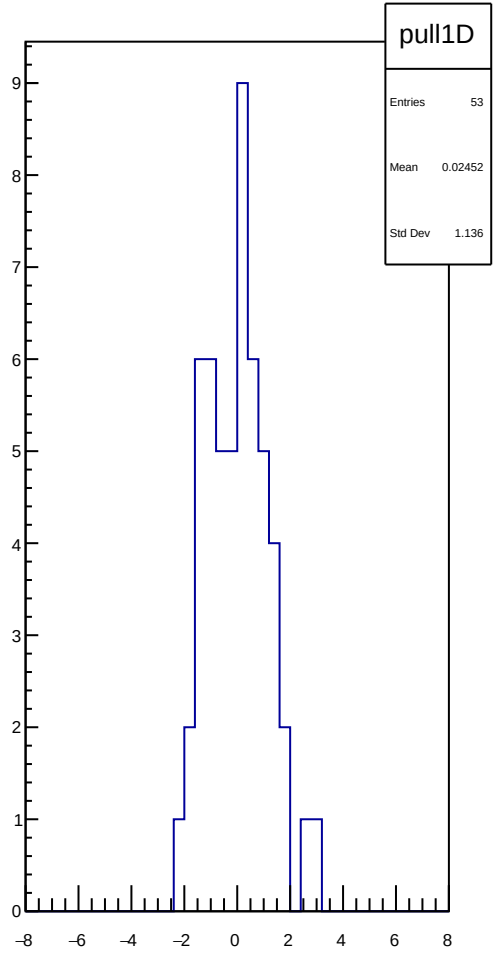

asym_atl1_dit_correction_rms vs run
χ² / ndf 5156 / 52
p0 2019 ± 2.023
2500
2400
2300
2200
2100
2000
1900
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

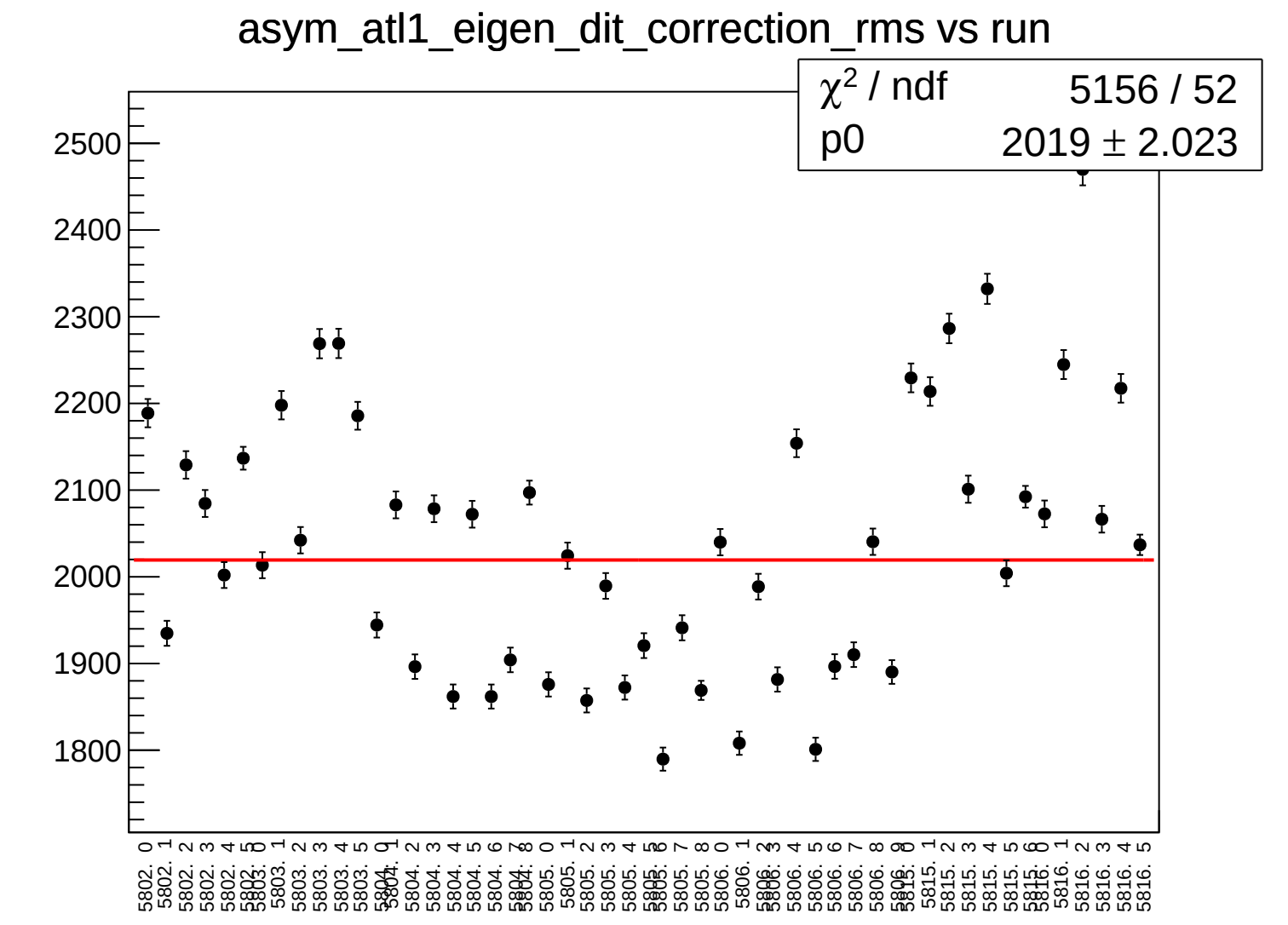

eigen_dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 56.45 / 52
p0 −1345 ± 4855
100
50
0
−50
−100
pull
Entries 53
Mean 69.68
Std Dev 51.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

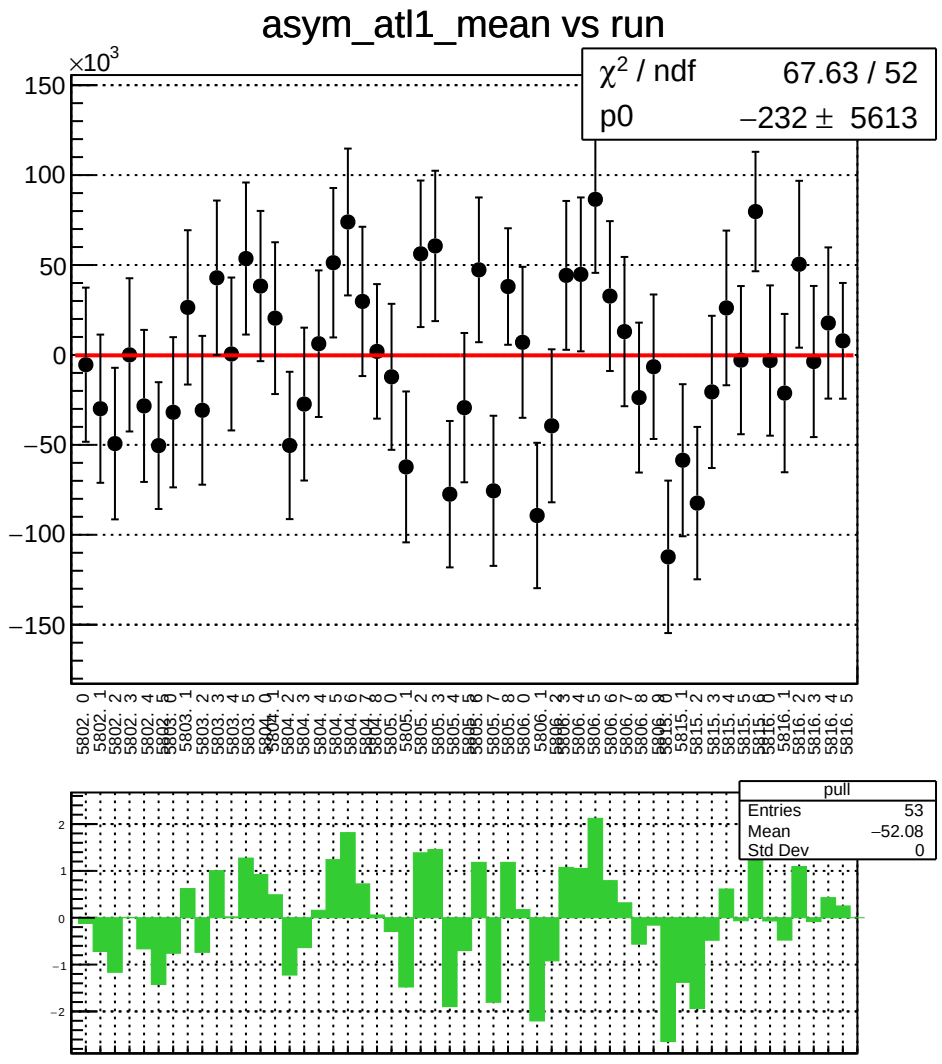

pull1D
Entries 53
Mean −0.003815
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

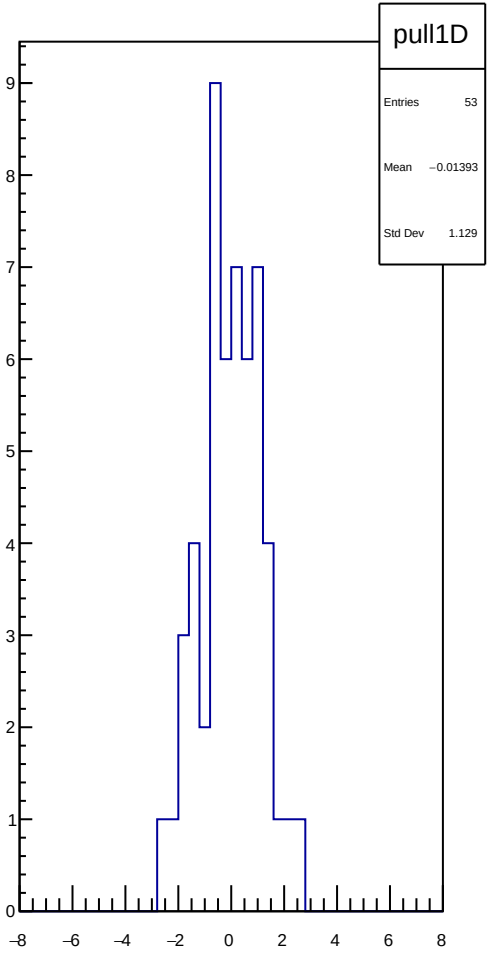

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 56.54 / 52
p0 3436 ± 3.433
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360

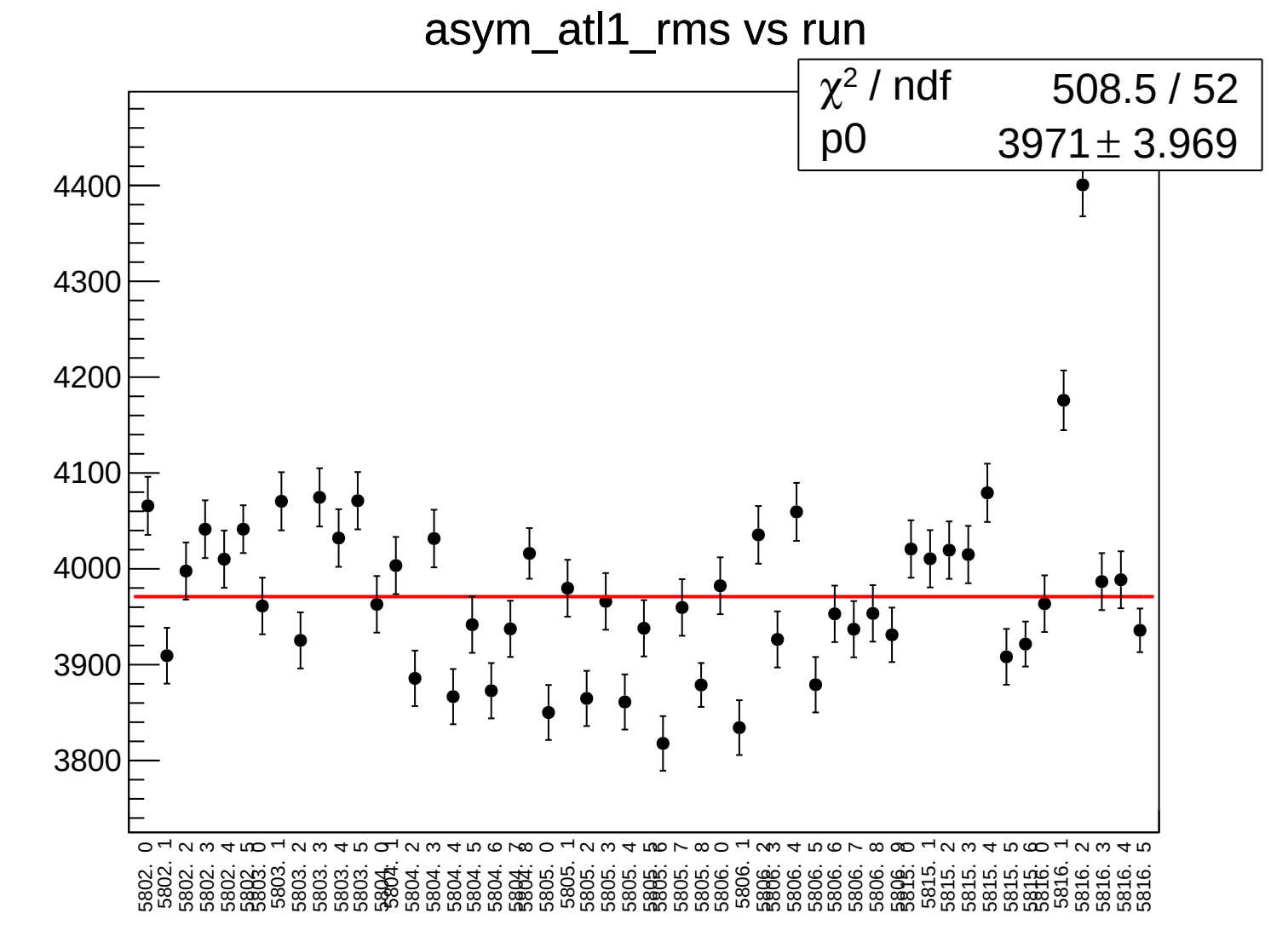

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 68.38 / 52
p0 −1336 ± 2861
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −76.95
Std Dev 0
3
2
1
0
−1
−2

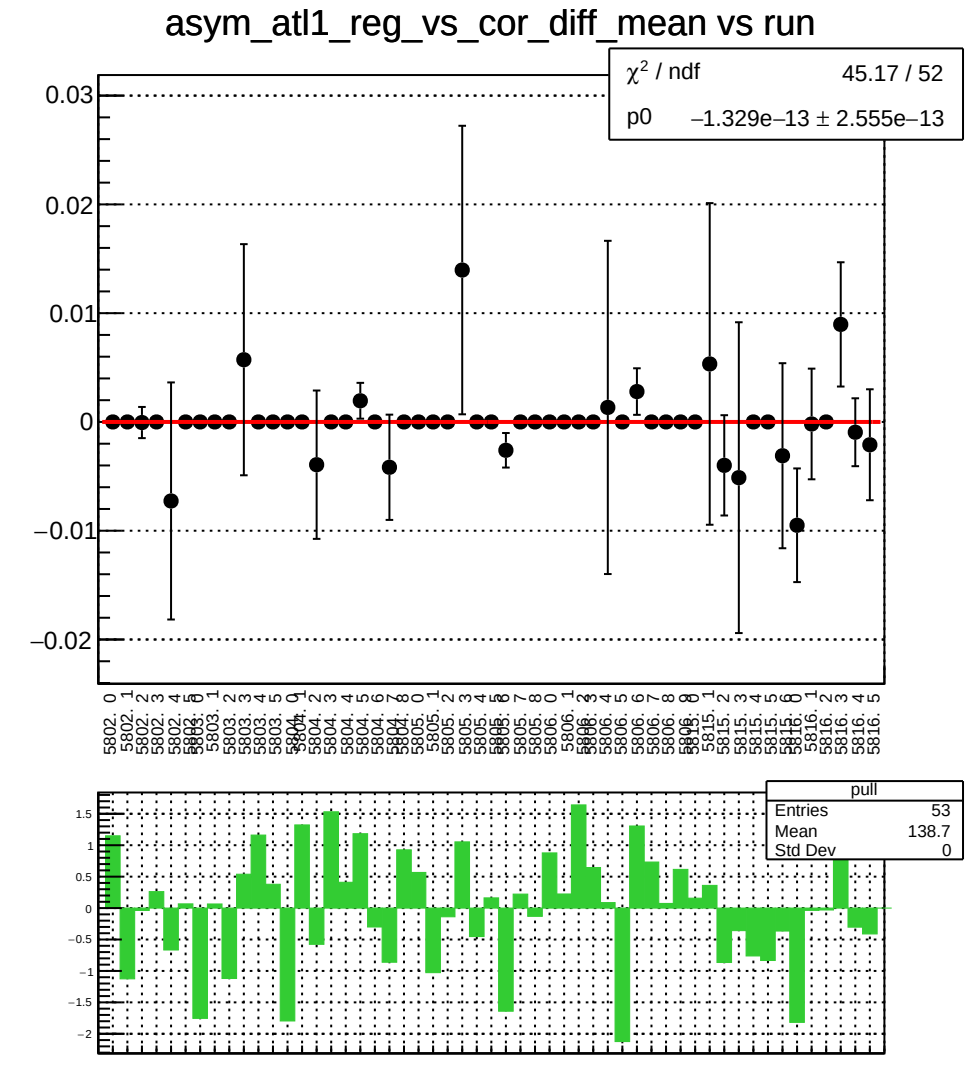

pull1D
Entries 53
Mean 0.02452
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

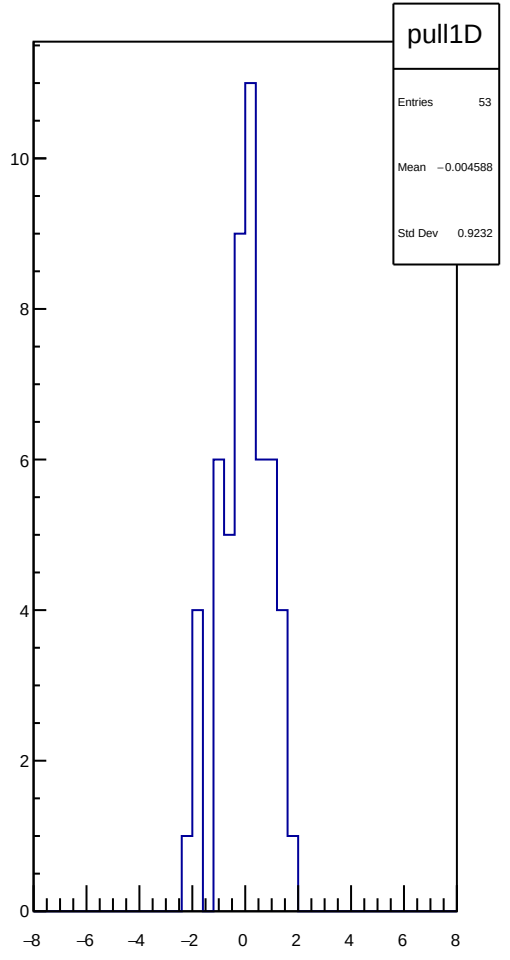

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 5156 / 52
p0 2019 ± 2.023
2500
2400
2300
2200
2100
2000
1900
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

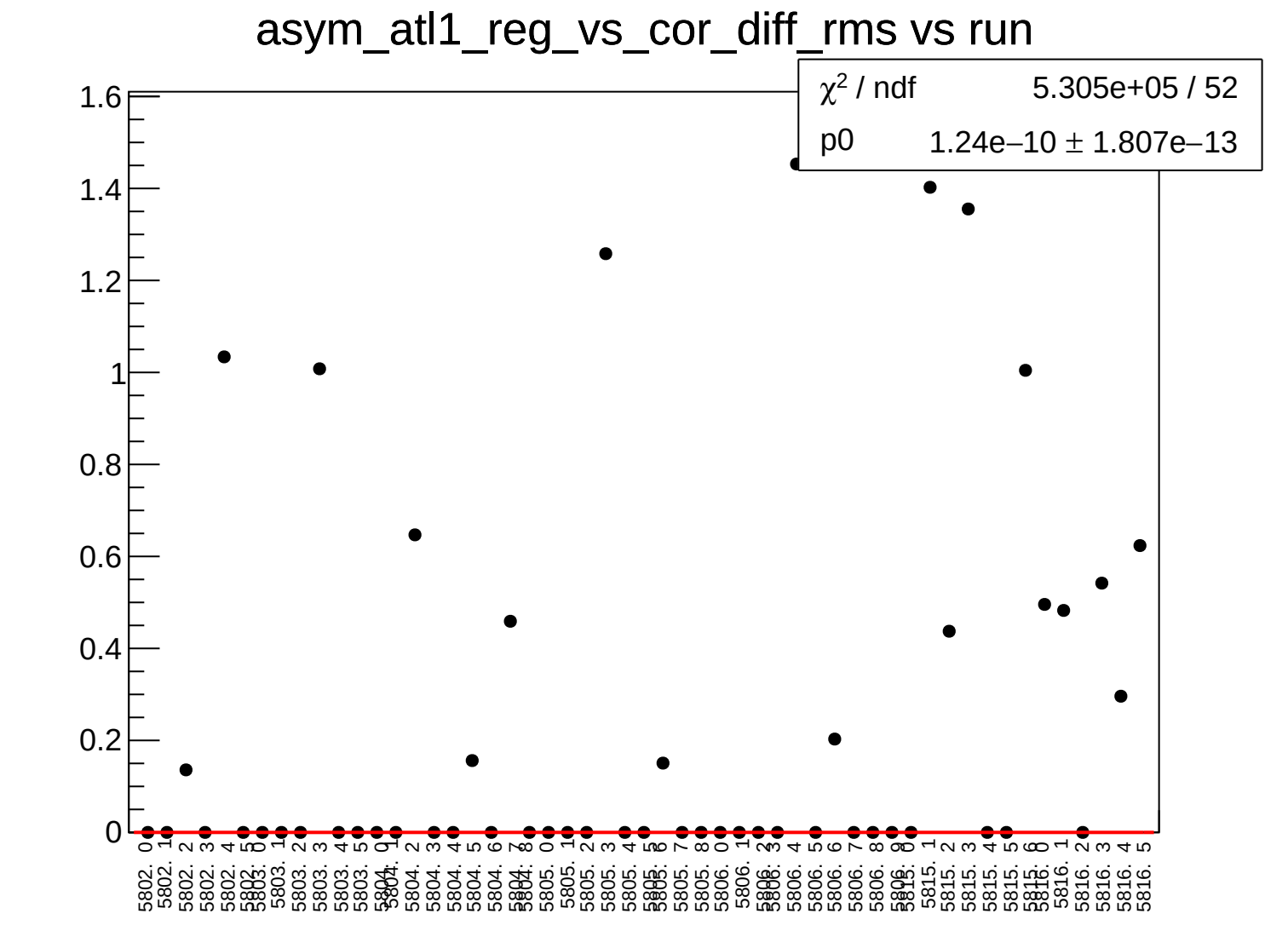

asym_atl1_mean vs run
×10^3
χ^2 / ndf 67.63 / 52
p0 −232 ± 5613
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −52.08
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01393
Std Dev 1.129
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

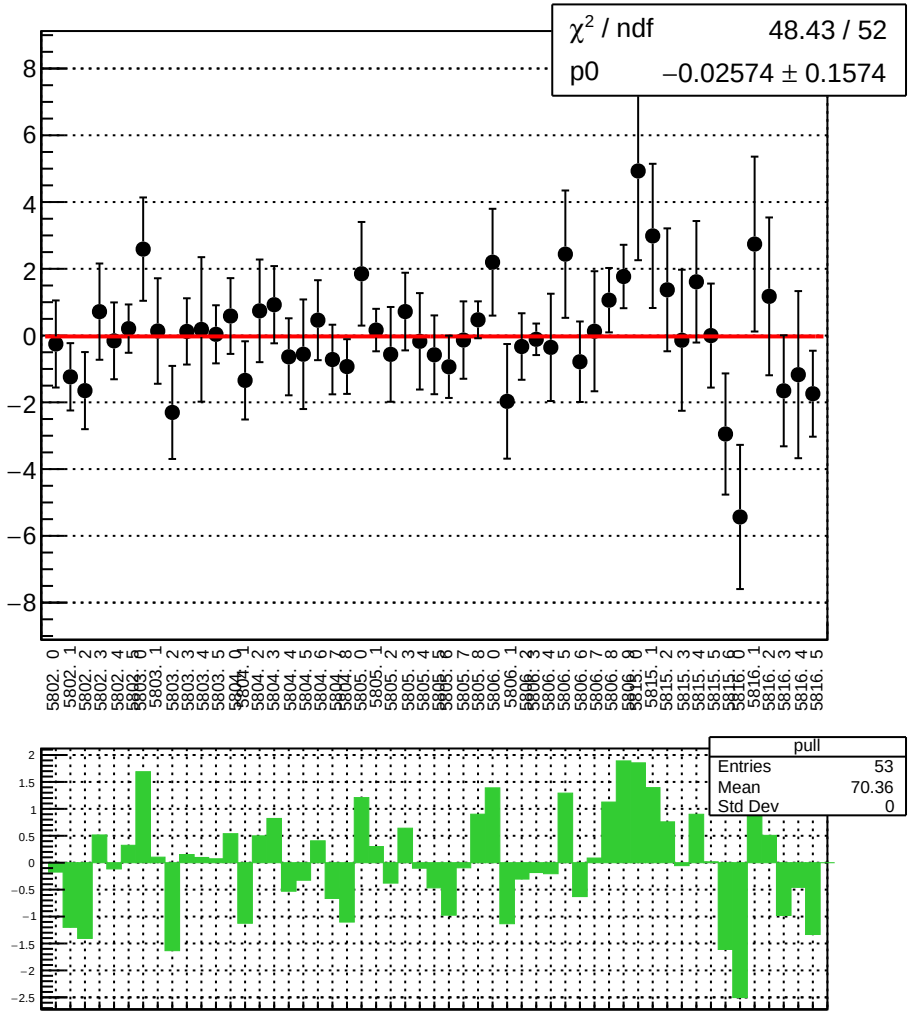

asym_atl1_rms vs run
χ² / ndf 508.5 / 52
p0 3971 ± 3.969
4400
4300
4200
4100
4000
3900
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

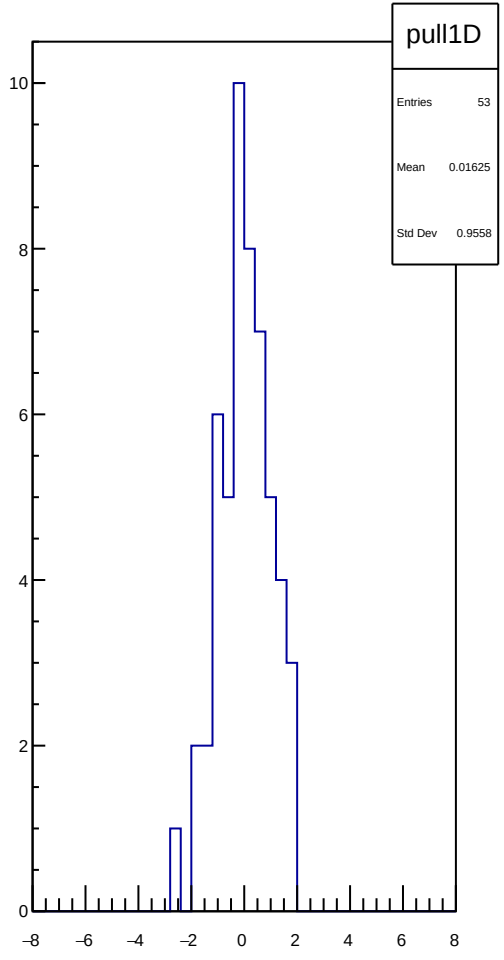

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 45.17 / 52
p0 −1.329e−13 ± 2.555e−13
pull
Entries 53
Mean 138.7
Std Dev 0

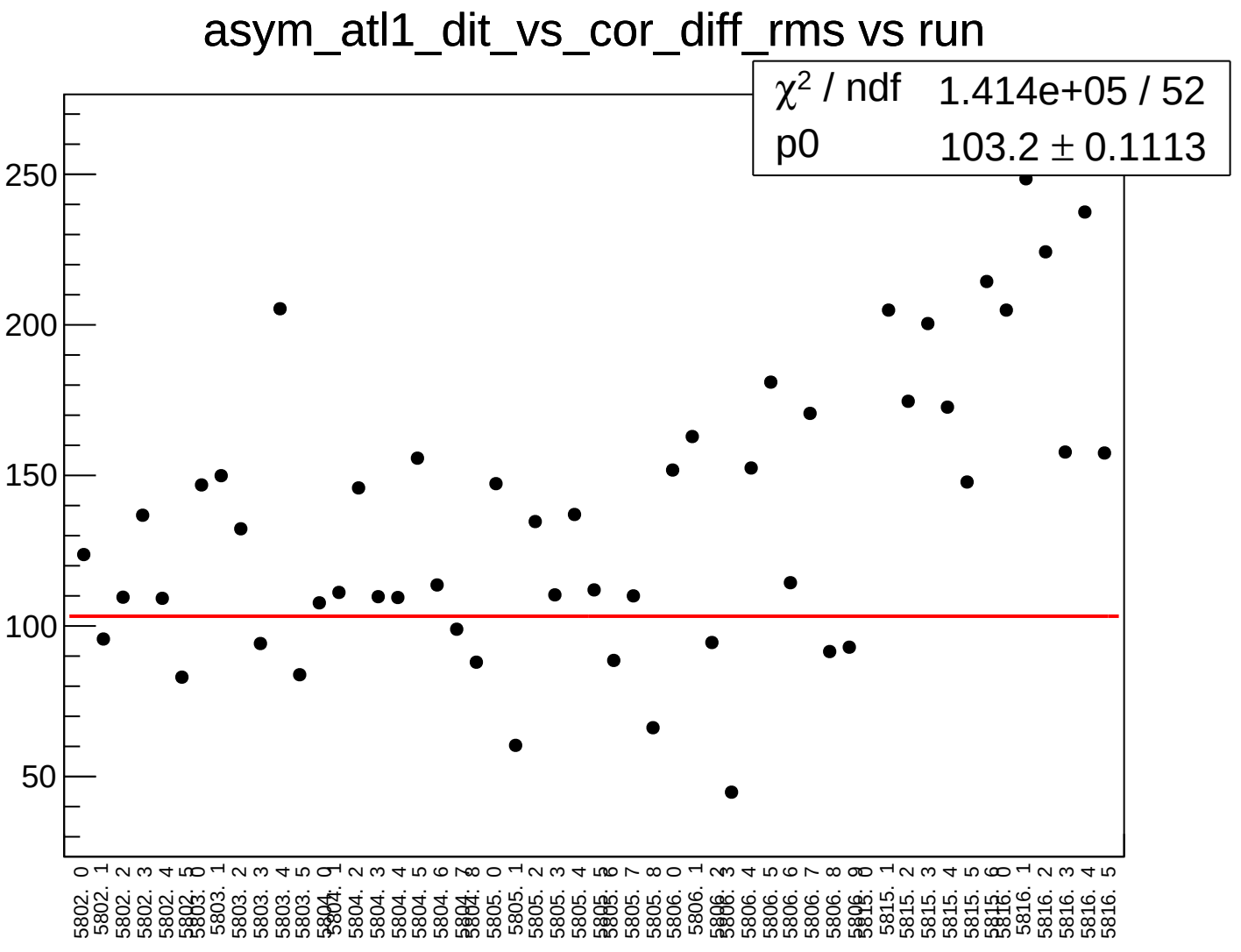

pull1D
Entries 53
Mean −0.004588
Std Dev 0.9232

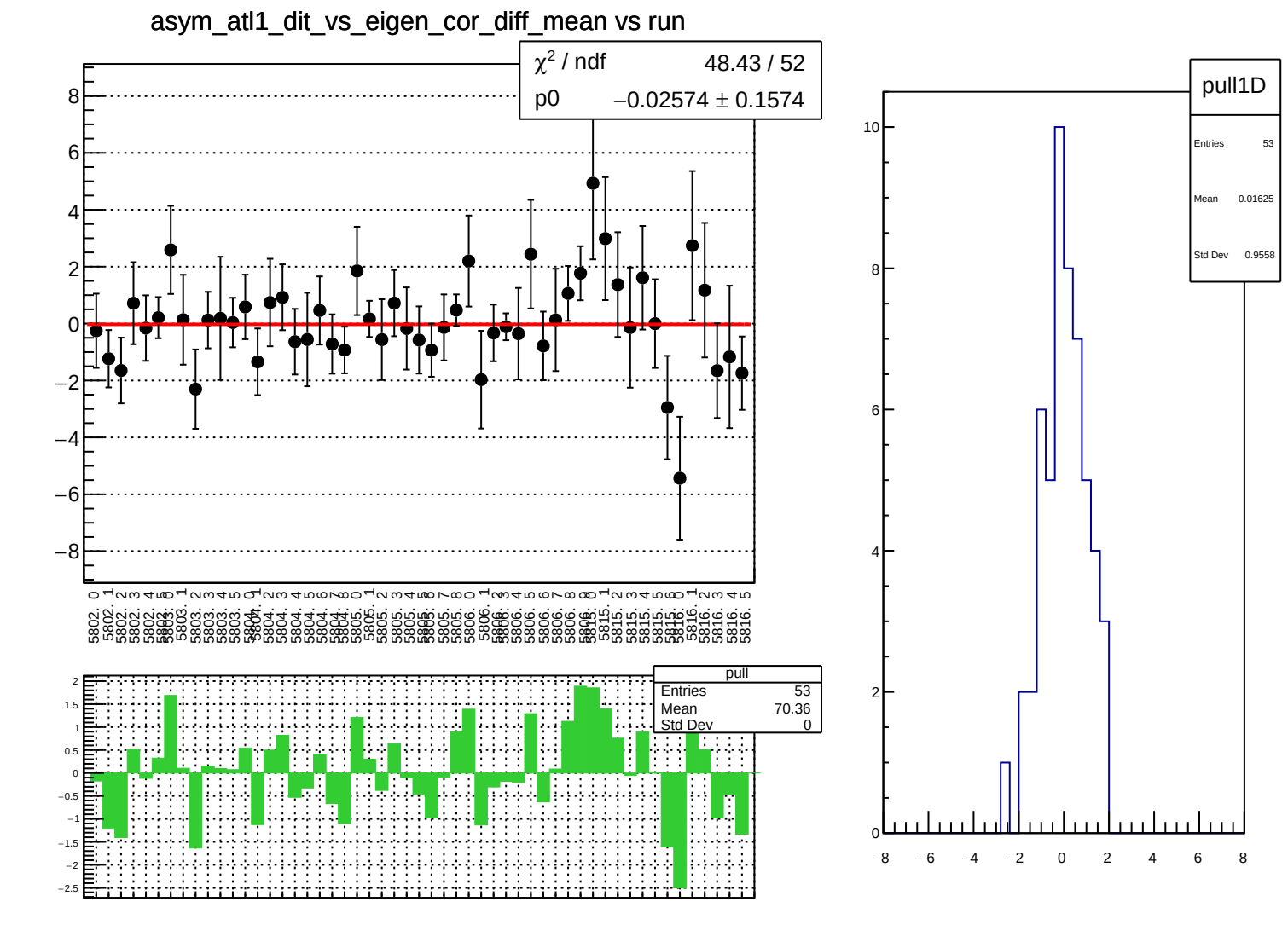

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.305e+05 / 52
p0 1.24e−10 ± 1.807e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

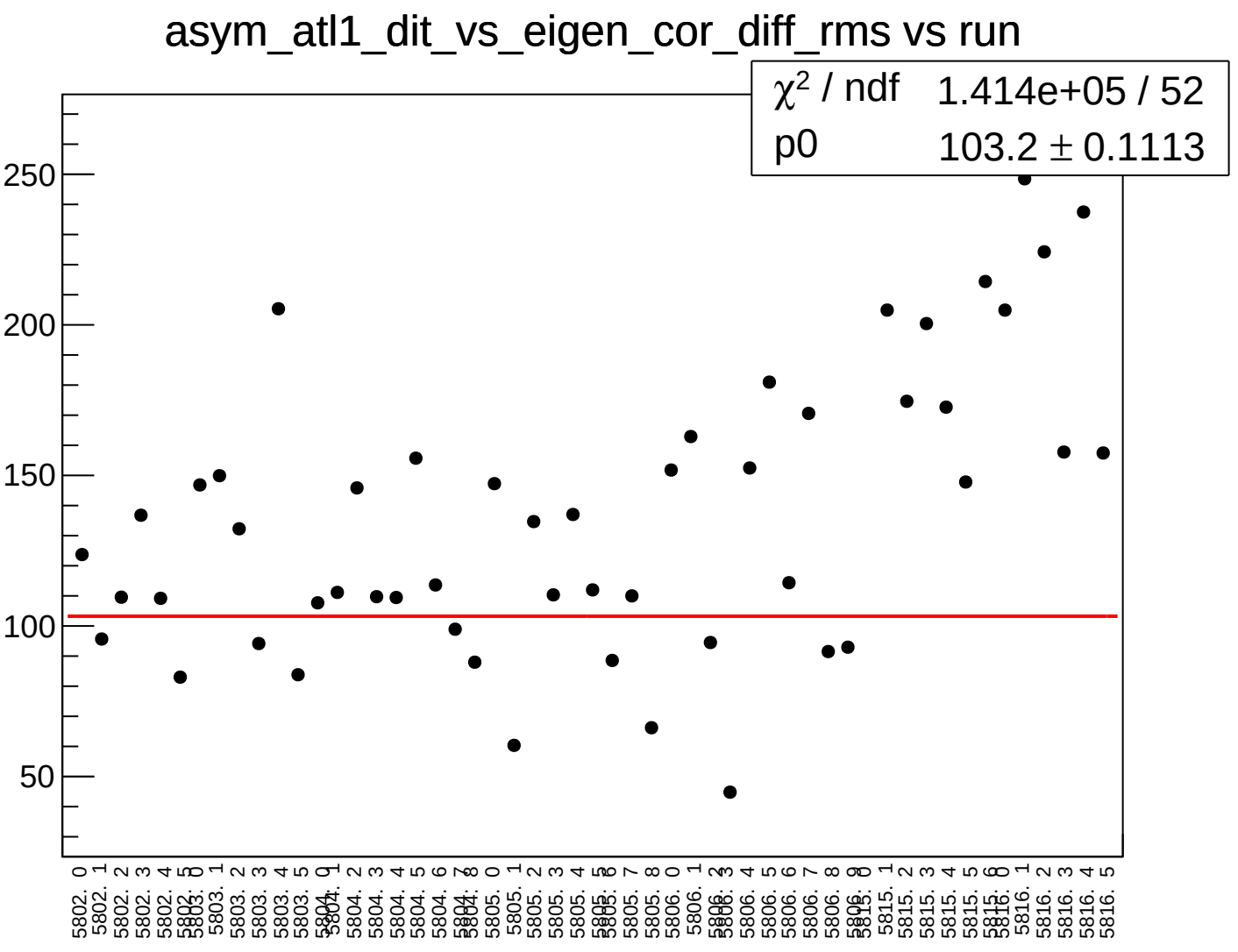
asym_atl1_dit_vs_cor_diff_mean vs run

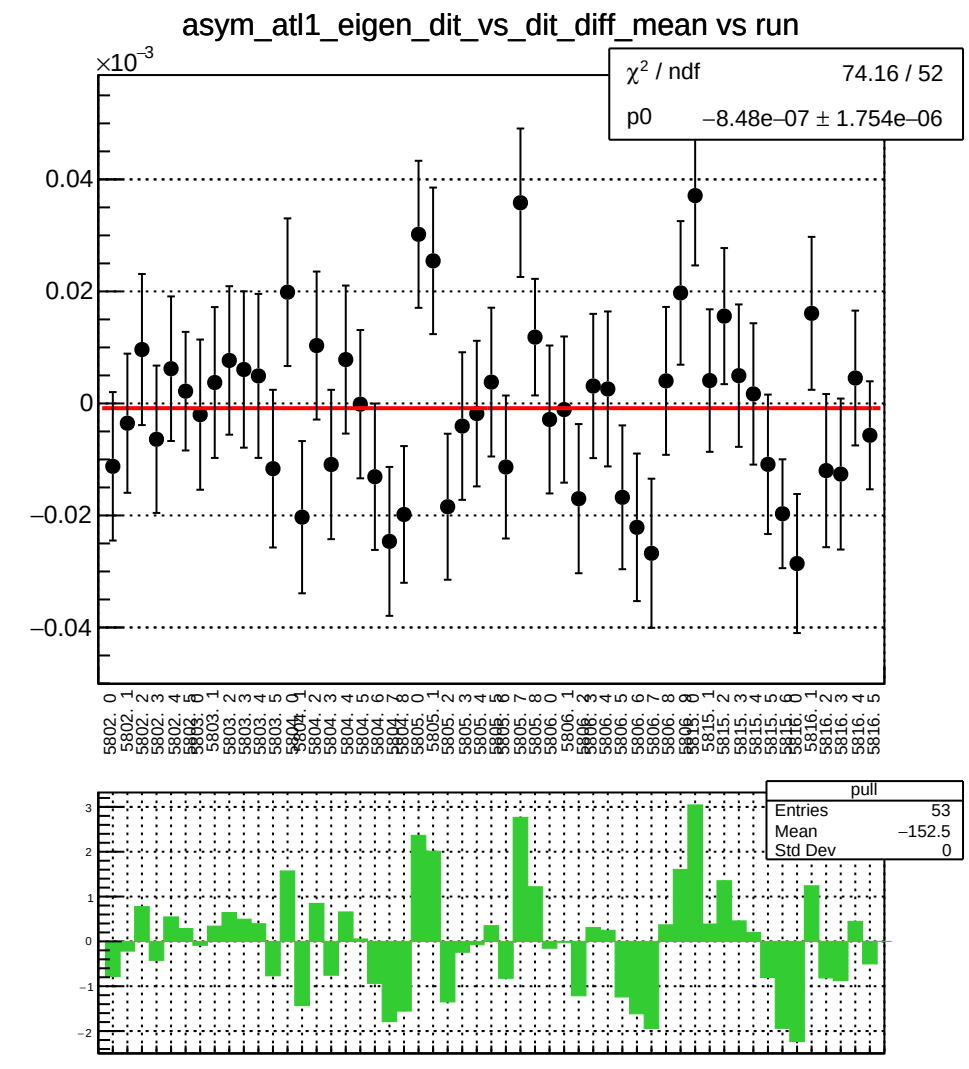


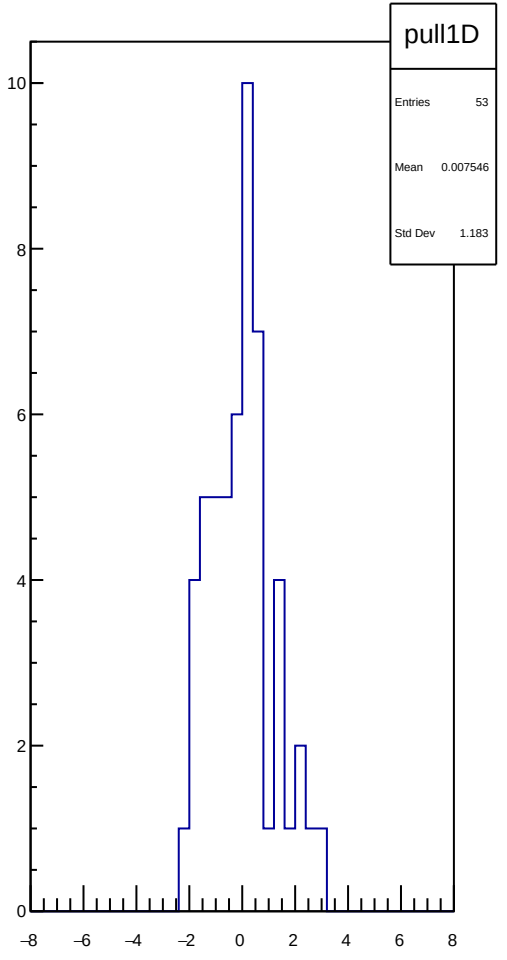


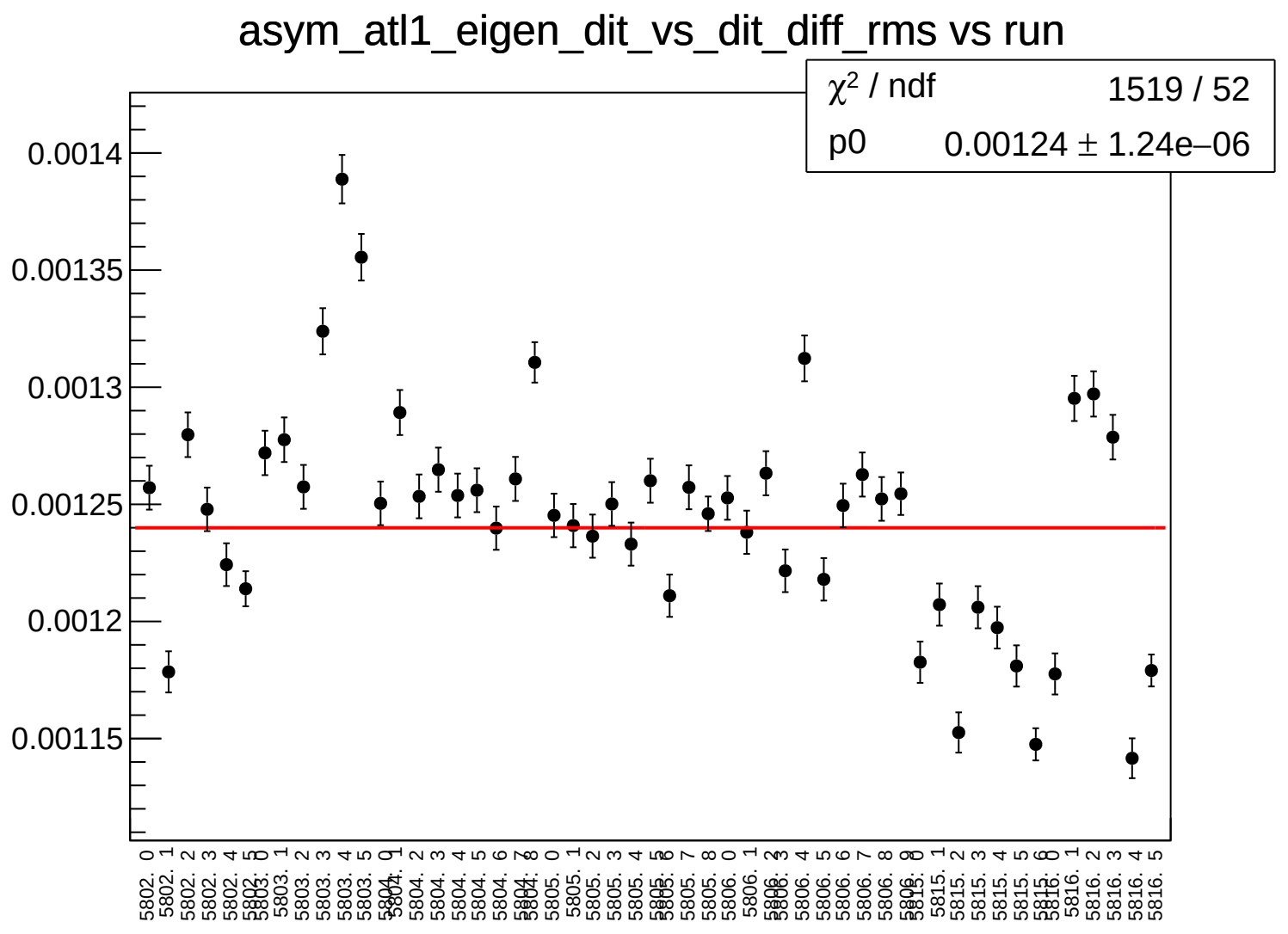

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.414e+05 / 52
p0 103.2 ± 0.1113
250
200
150
100
50

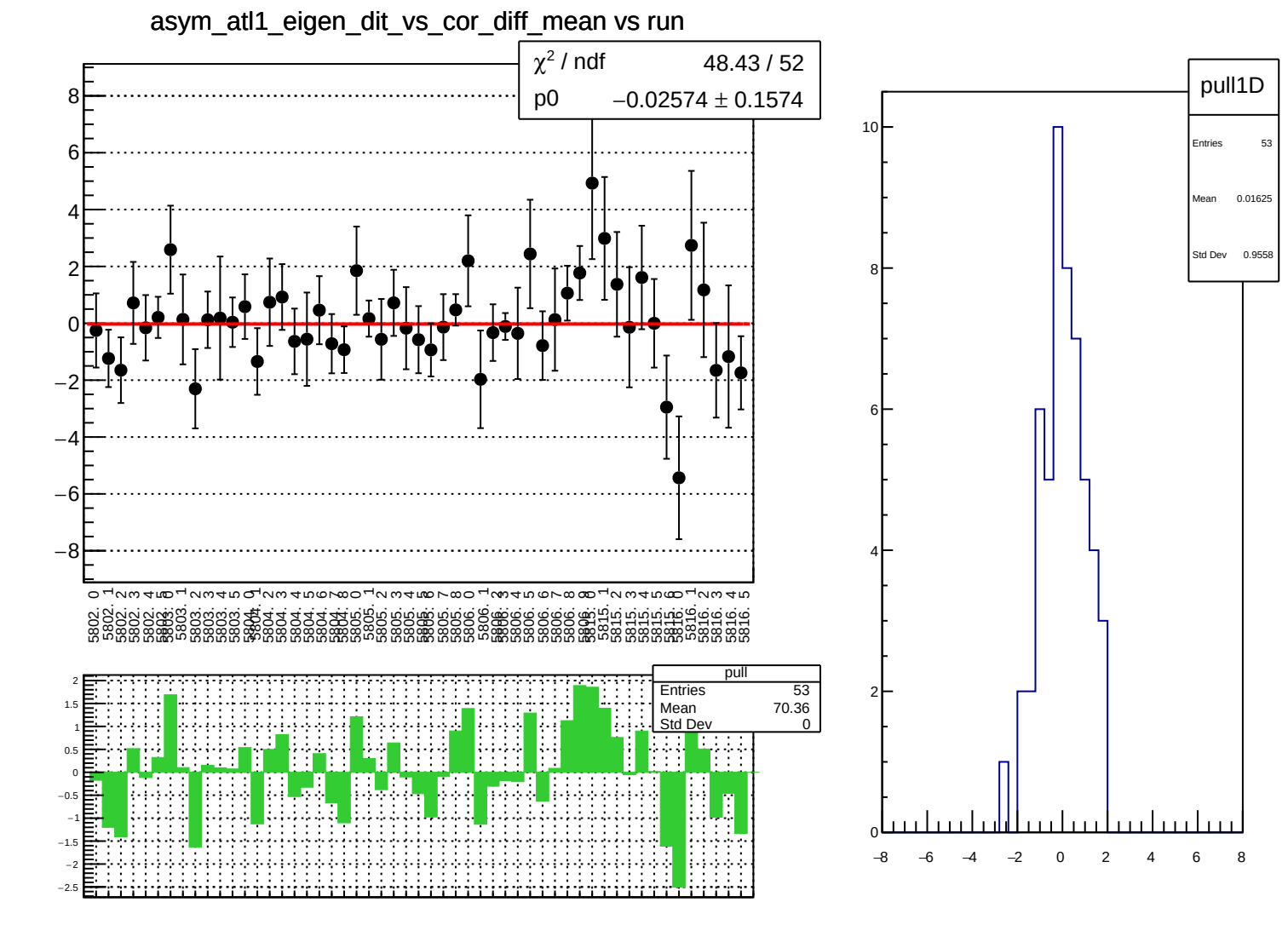

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.43 / 52
p0 −0.02574 ± 0.1574
pull
Entries 53
Mean 70.36
Std Dev 0
pull1D
Entries 53
Mean 0.01625
Std Dev 0.9558

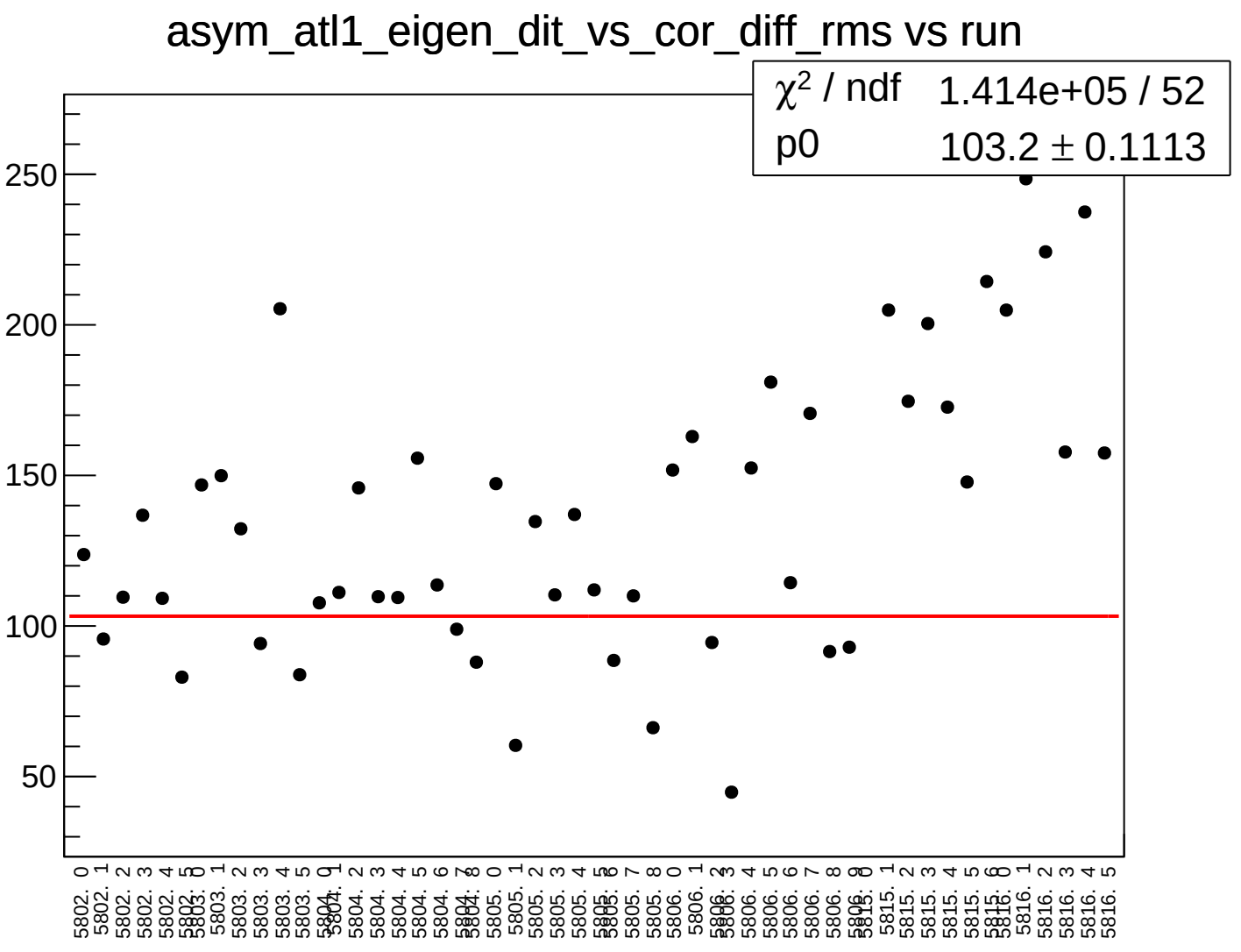

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.414e+05 / 52
p0 103.2 ± 0.1113
250
200
150
100
50

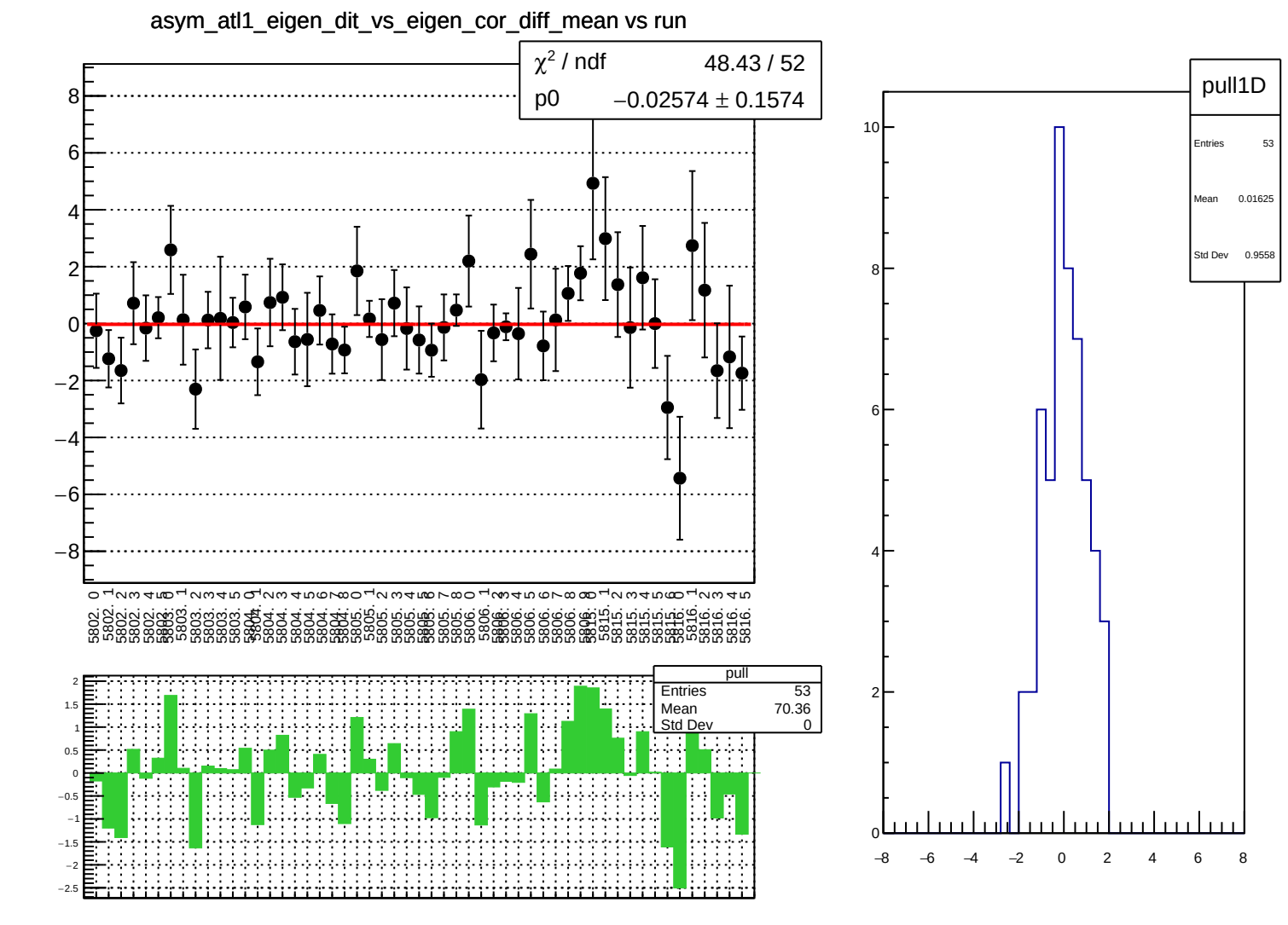

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.16 / 52
p0 −8.48e−07 ± 1.754e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −152.5
Std Dev 0
3
2
1
0
−1
−2

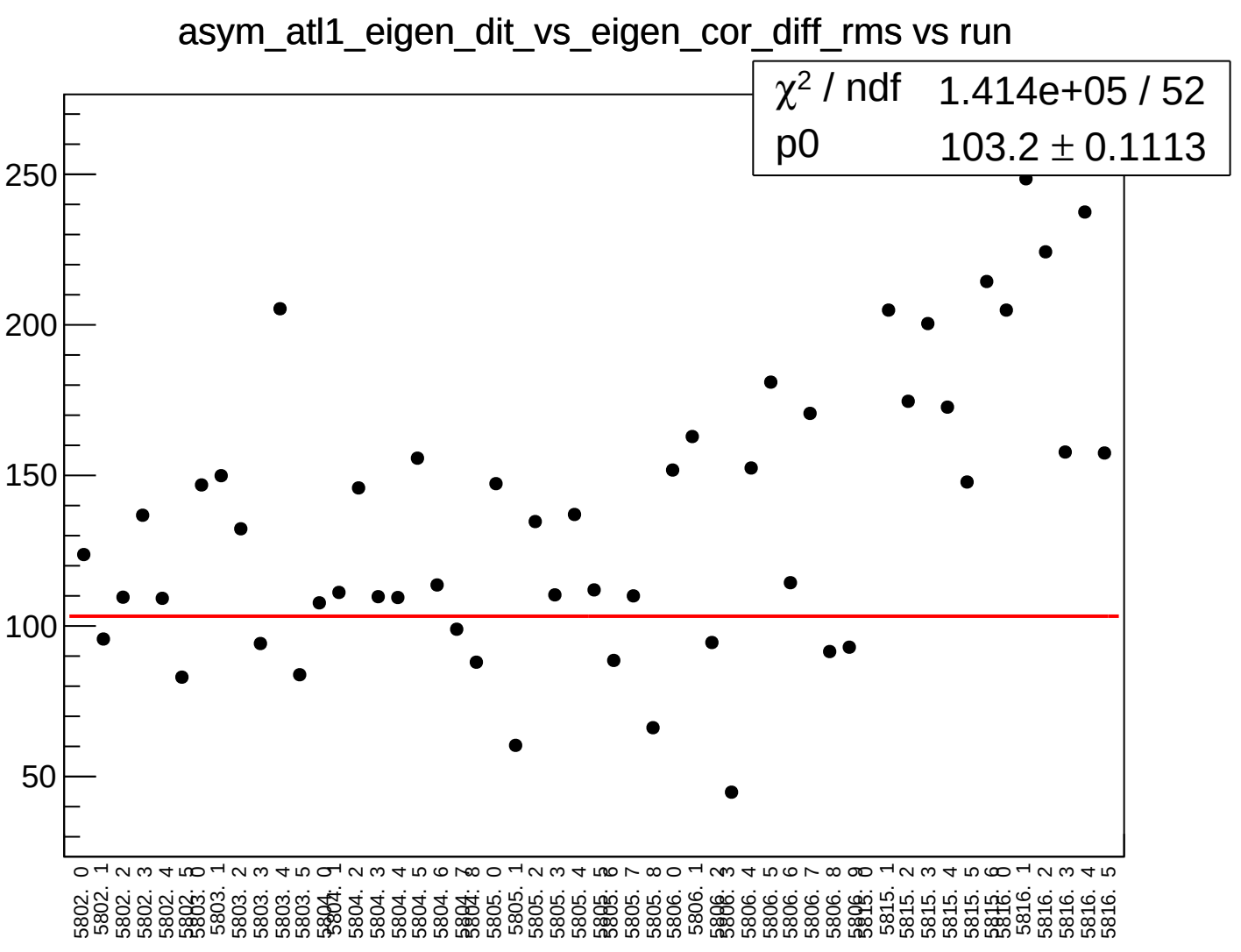

pull1D
Entries 53
Mean 0.007546
Std Dev 1.183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

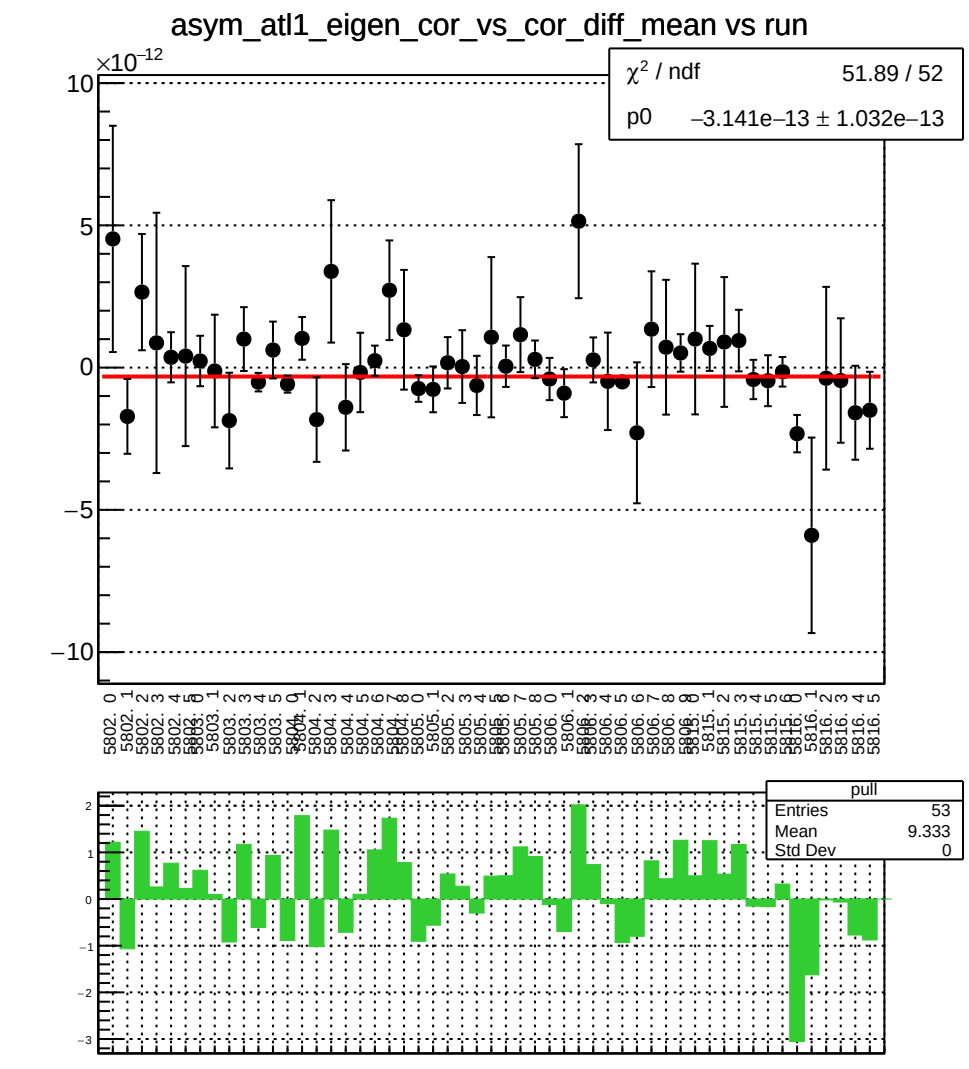

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1519 / 52
p0 0.00124 ± 1.24e−06
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

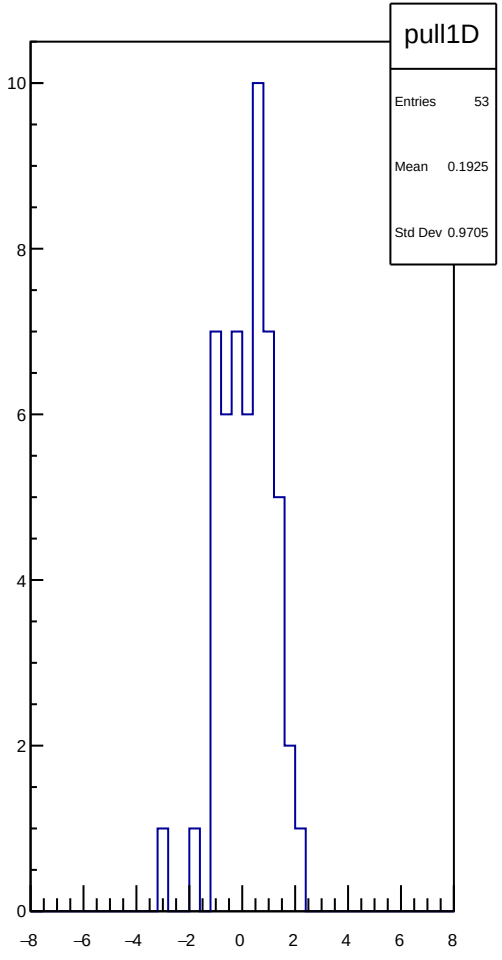

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.43 / 52
p0 −0.02574 ± 0.1574
pull
Entries 53
Mean 70.36
Std Dev 0
pull1D
Entries 53
Mean 0.01625
Std Dev 0.9558

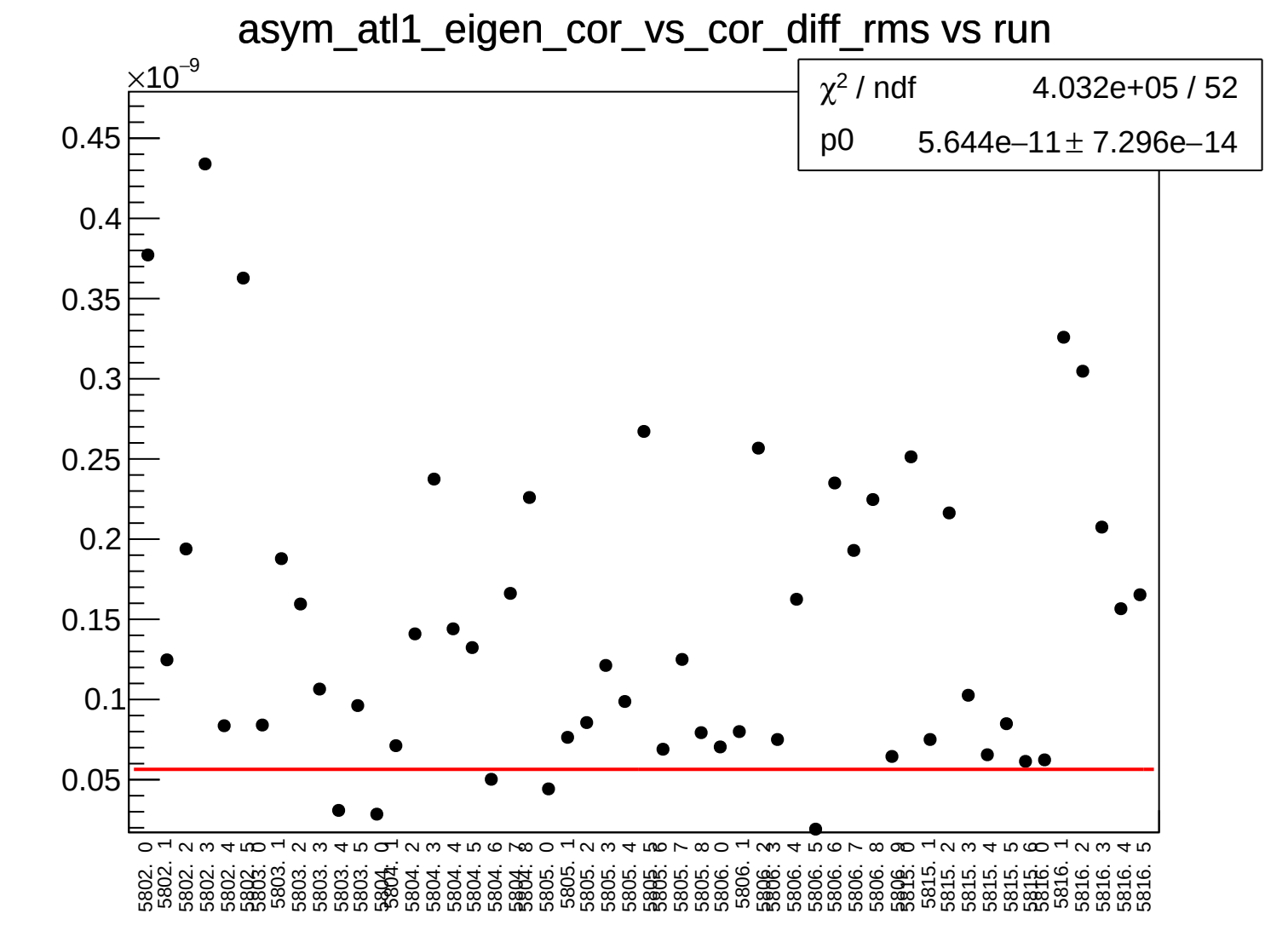

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.414e+05 / 52
p0 103.2 ± 0.1113
250
200
150
100
50

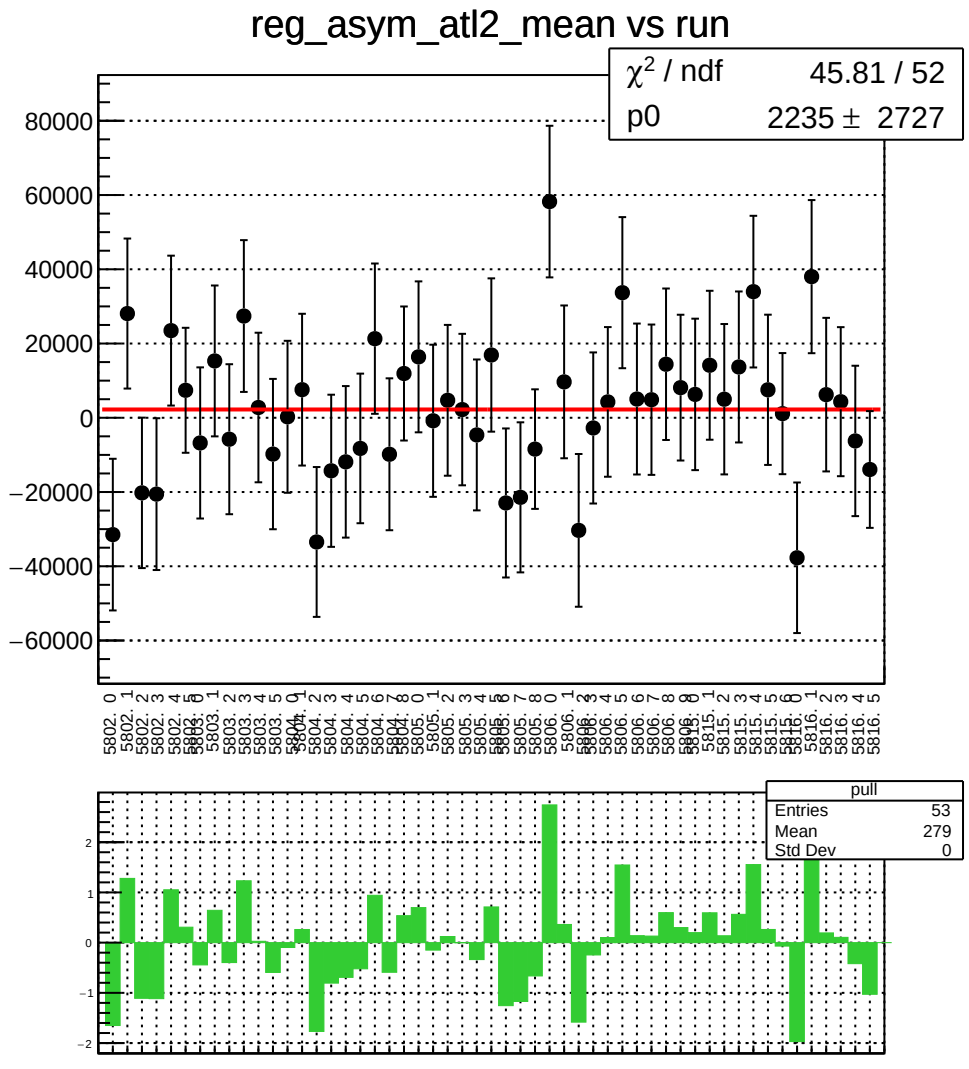

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.43 / 52
p0 −0.02574 ± 0.1574
pull
Entries 53
Mean 70.36
Std Dev 0
pull1D
Entries 53
Mean 0.01625
Std Dev 0.9558

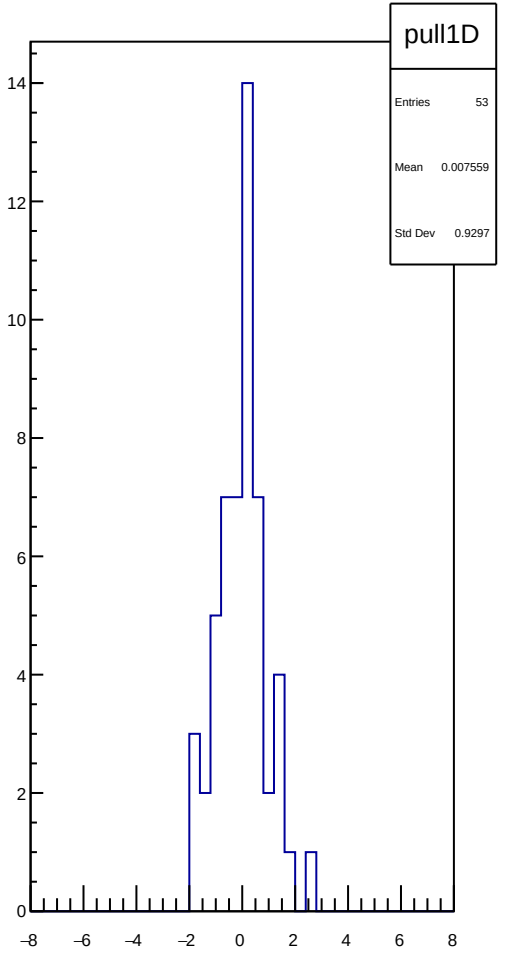

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.414e+05 / 52
p0 103.2 ± 0.1113
250
200
150
100
50

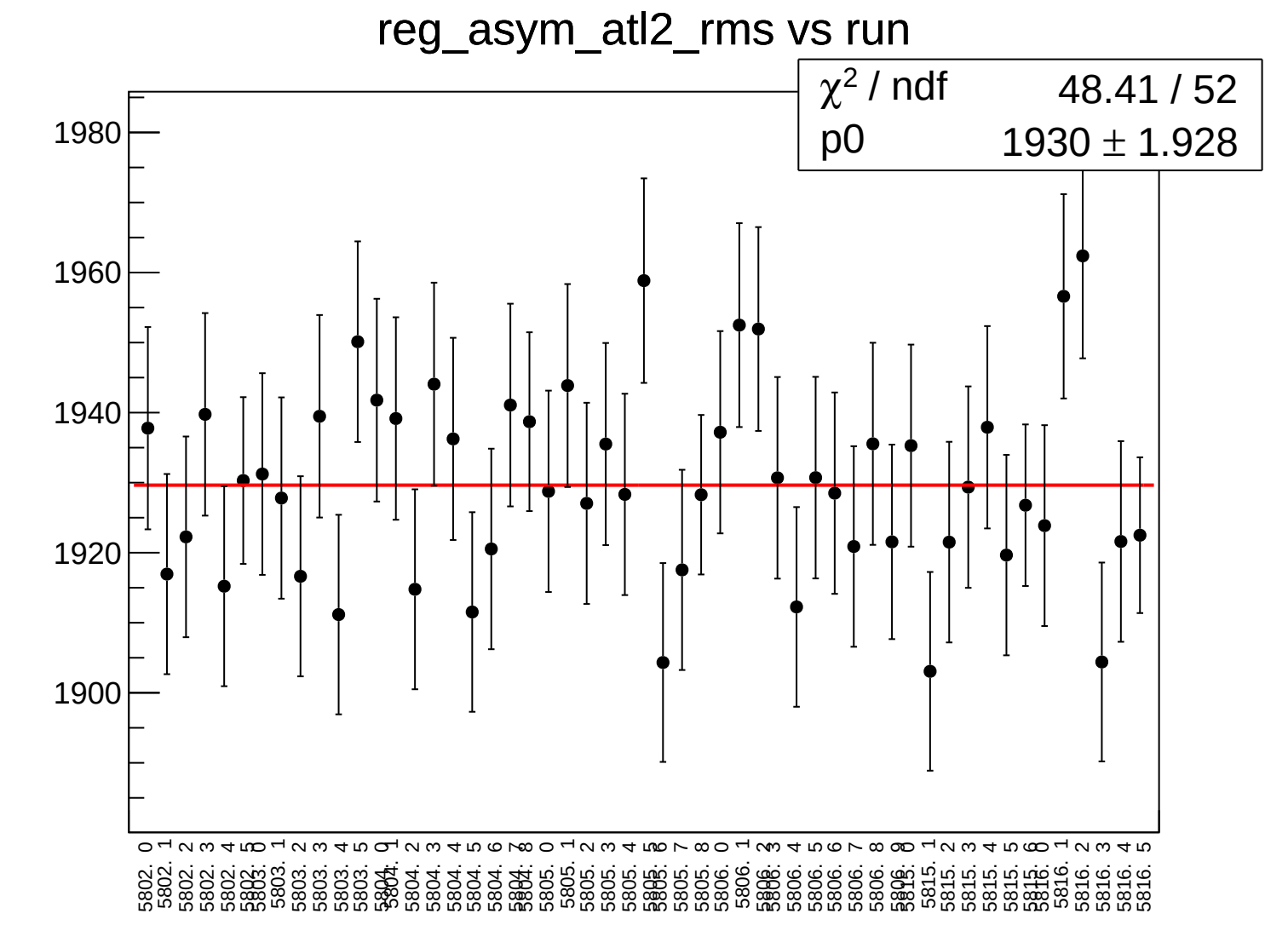

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.89 / 52
p0 −3.141e−13 ± 1.032e−13
pull
Entries 53
Mean 9.333
Std Dev 0

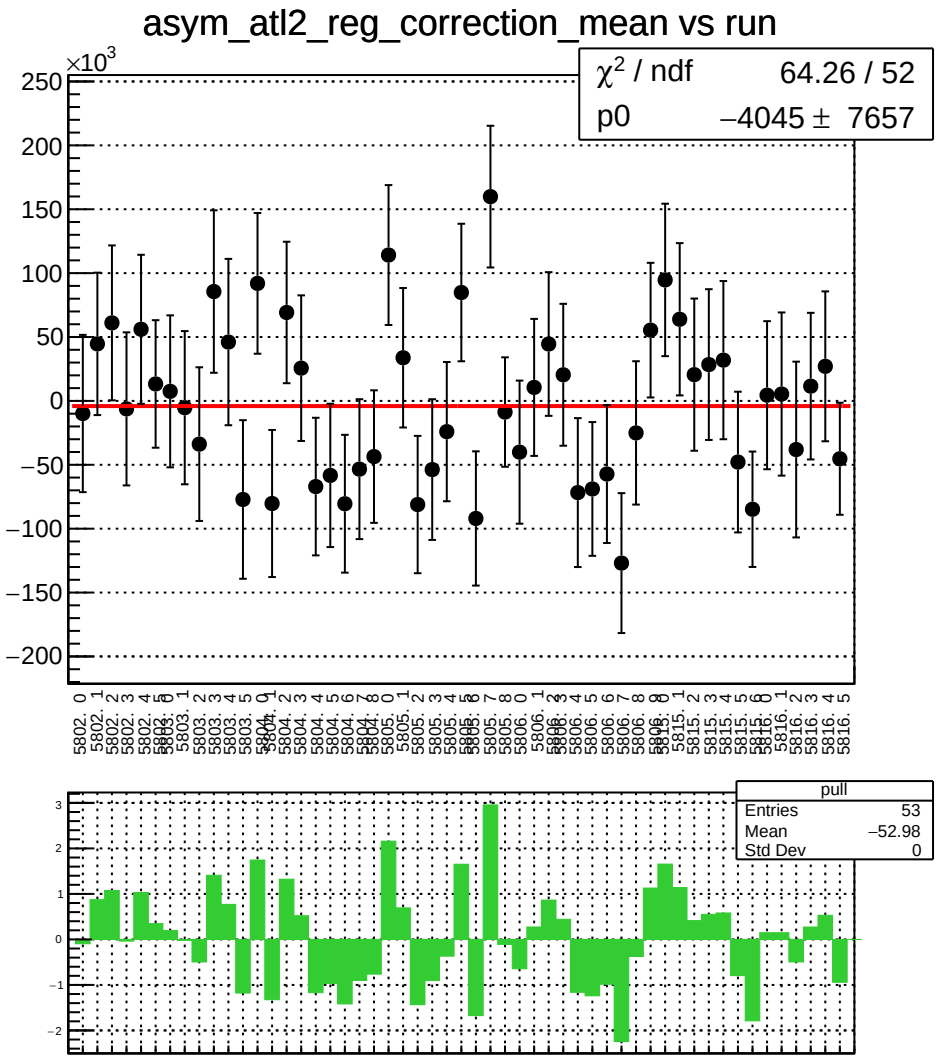

pull1D
Entries 53
Mean 0.1925
Std Dev 0.9705

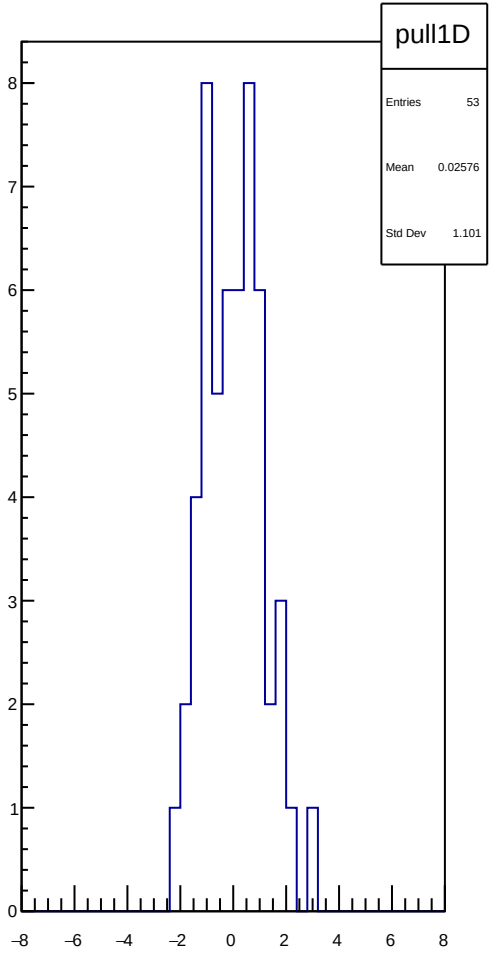

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.032e+05 / 52
p0 5.644e−11 ± 7.296e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

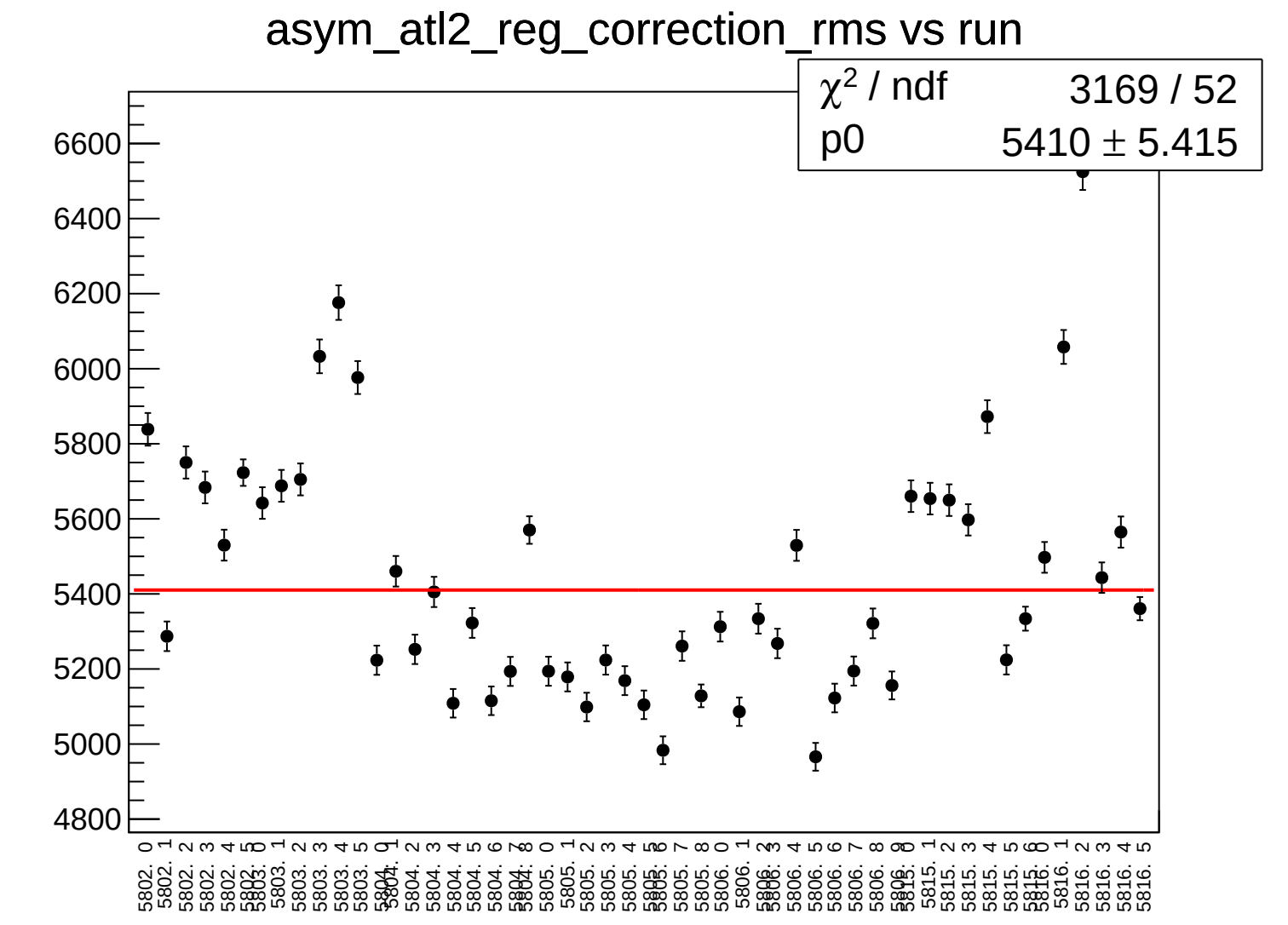

reg_asym_atl2_mean vs run
χ^2 / ndf 45.81 / 52
p0 2235 ± 2727
pull
Entries 53
Mean 279
Std Dev 0

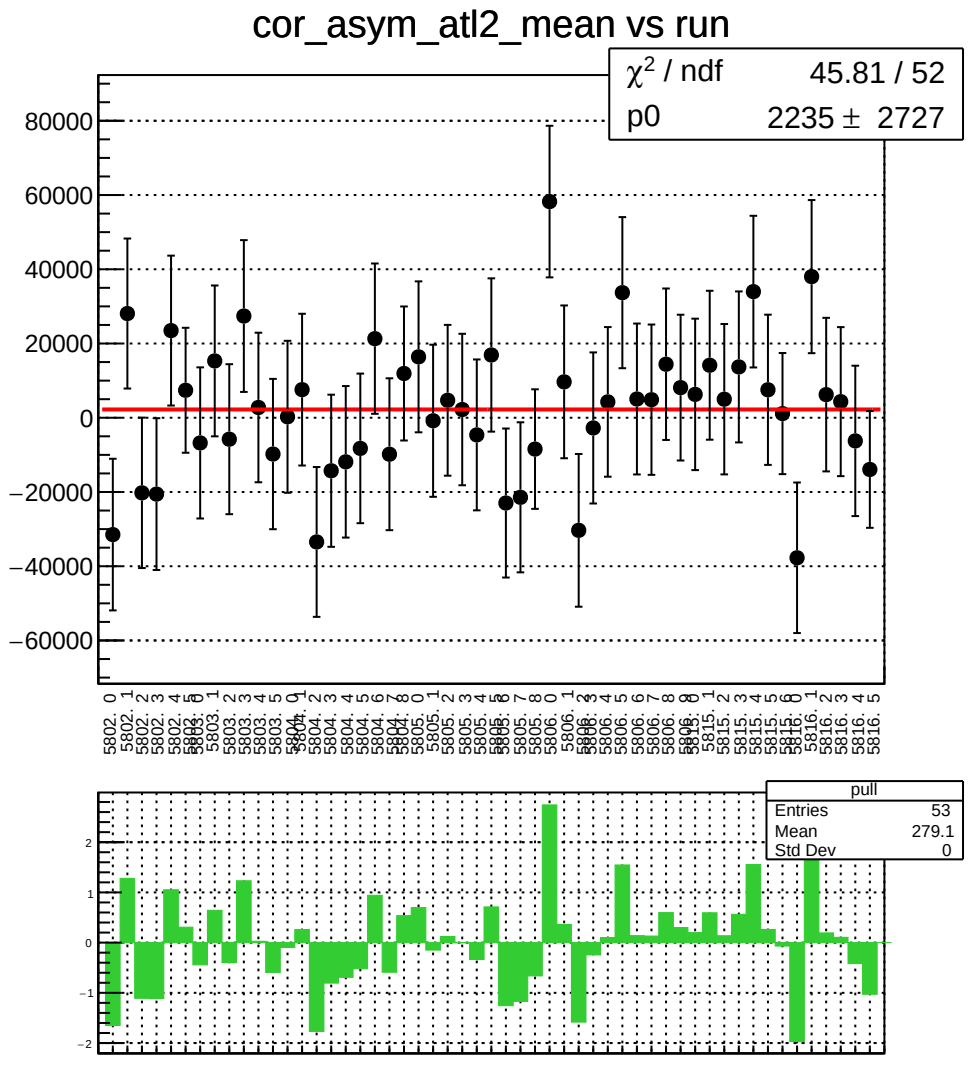

pull1D
Entries 53
Mean 0.007559
Std Dev 0.9297

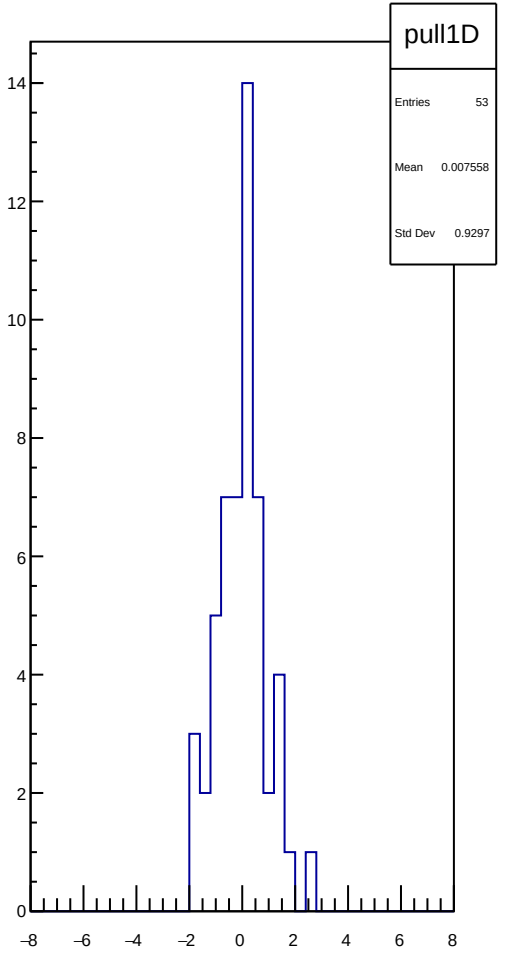

reg_asym_atl2_rms vs run
χ² / ndf 48.41 / 52
p0 1930 ± 1.928
1980
1960
1940
1920
1900

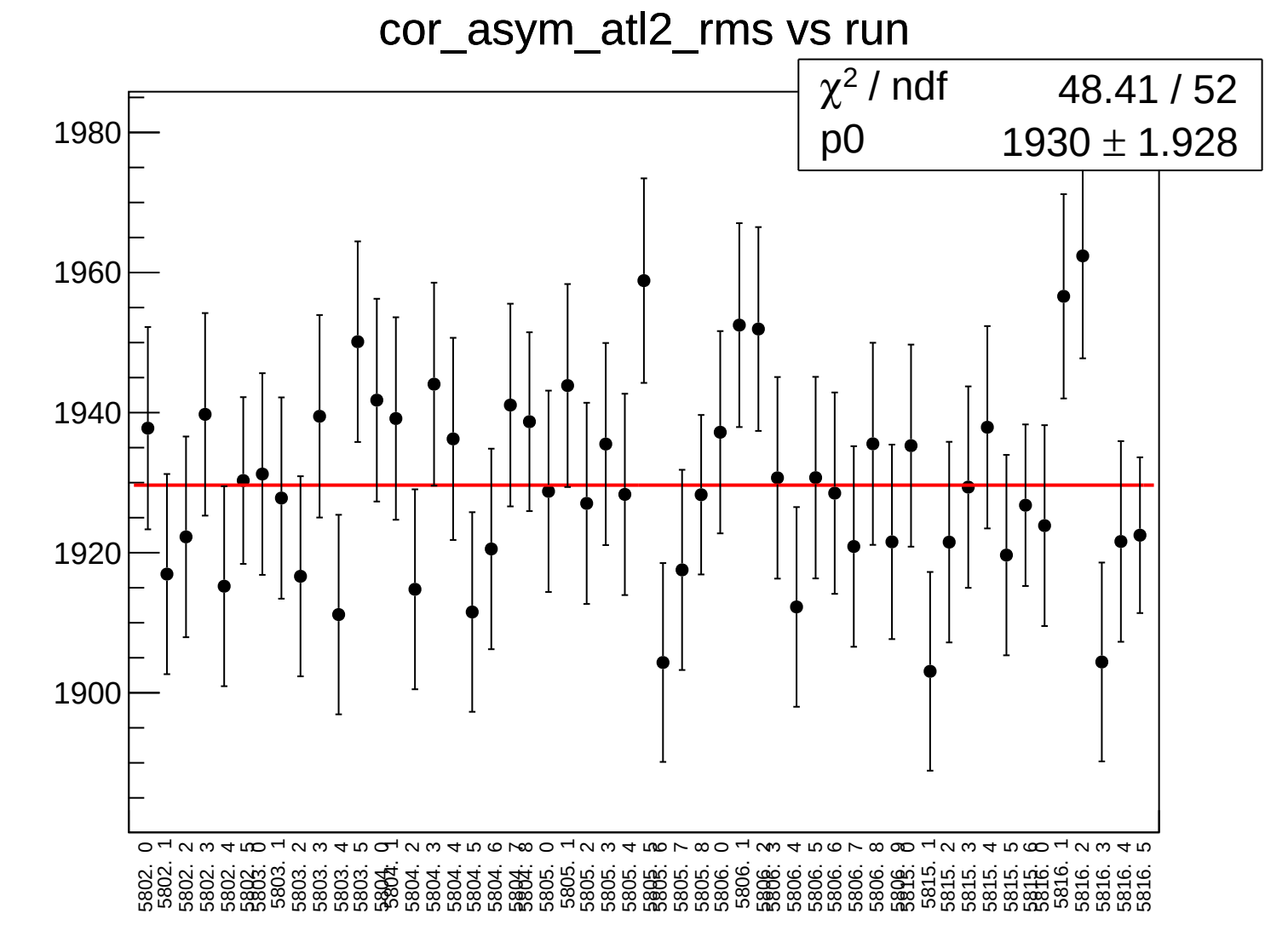

asym_atl2_reg_correction_mean vs run
χ² / ndf 64.26 / 52
p0 −4045 ± 7657
pull
Entries 53
Mean −52.98
Std Dev 0

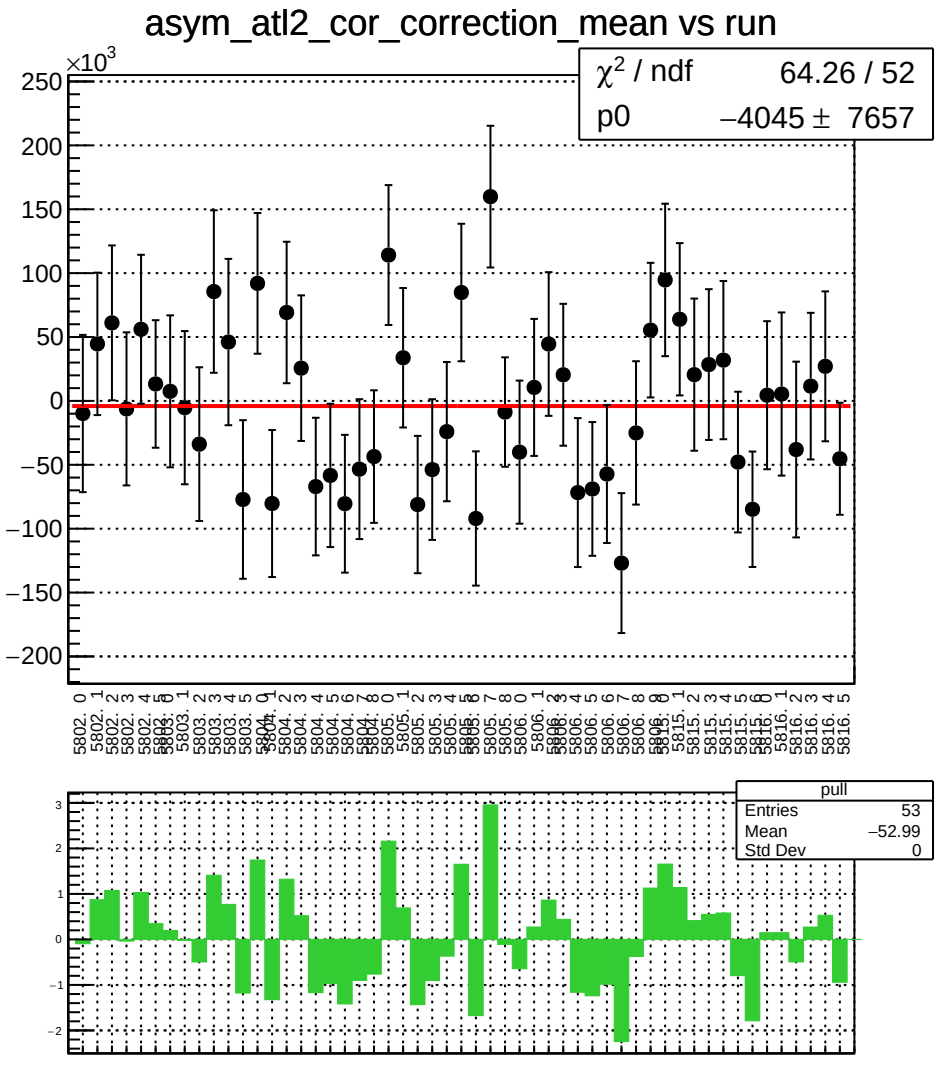

pull1D
Entries 53
Mean 0.02576
Std Dev 1.101

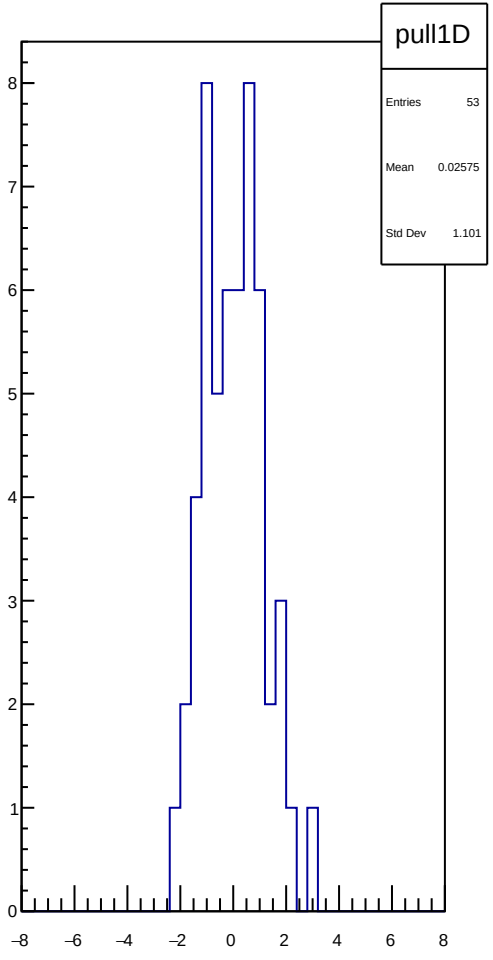

asym_atl2_reg_correction_rms vs run
χ² / ndf 3169 / 52
p0 5410 ± 5.415
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

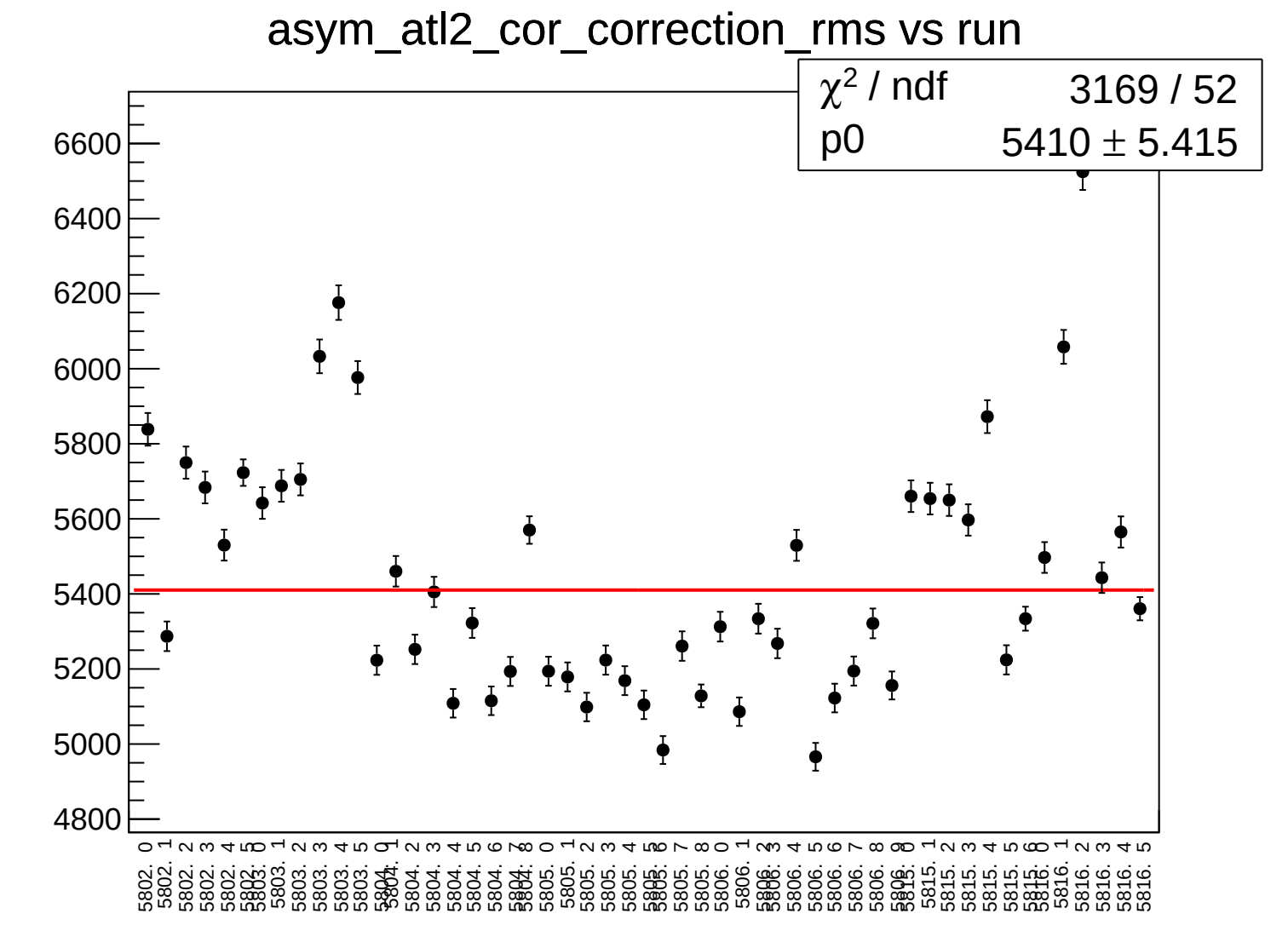

cor_asym_atl2_mean vs run
χ² / ndf 45.81 / 52
p0 2235 ± 2727
pull
Entries 53
Mean 279.1
Std Dev 0

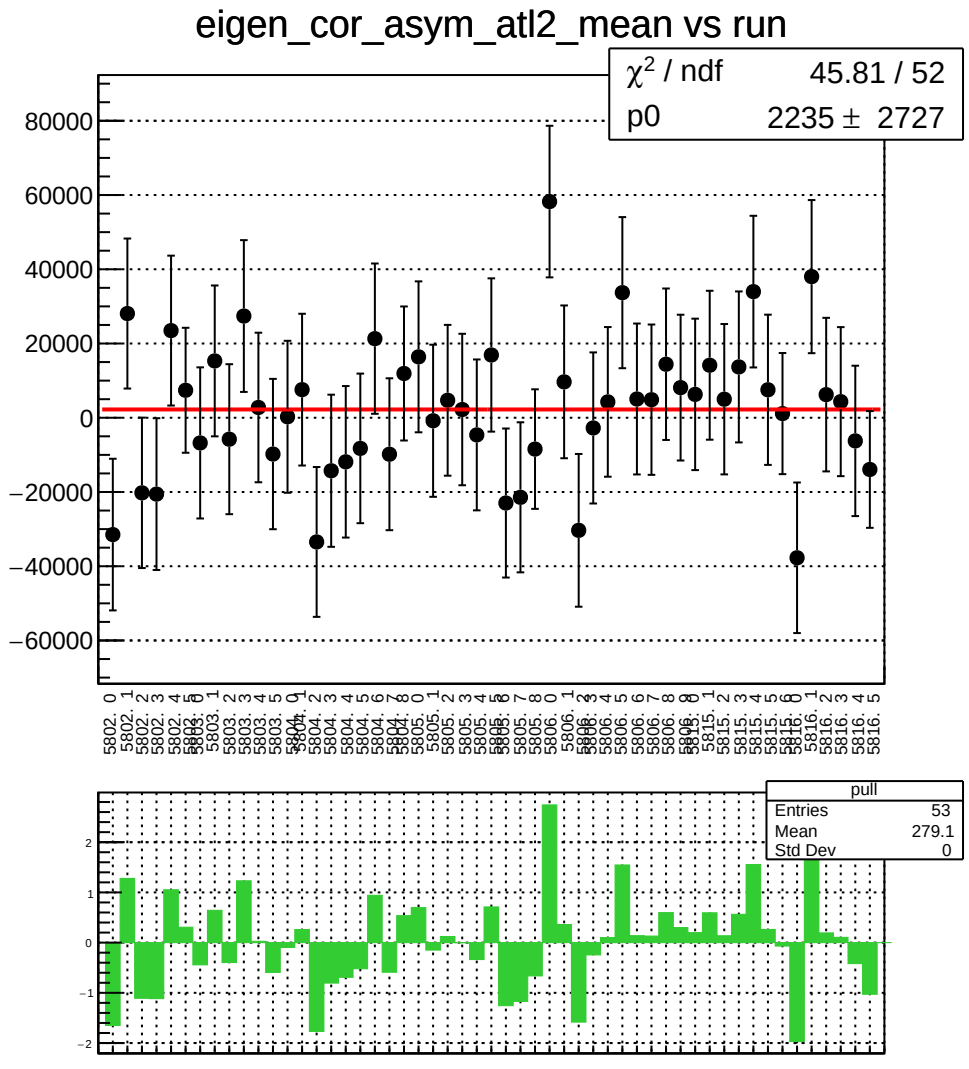

pull1D
Entries 53
Mean 0.007558
Std Dev 0.9297

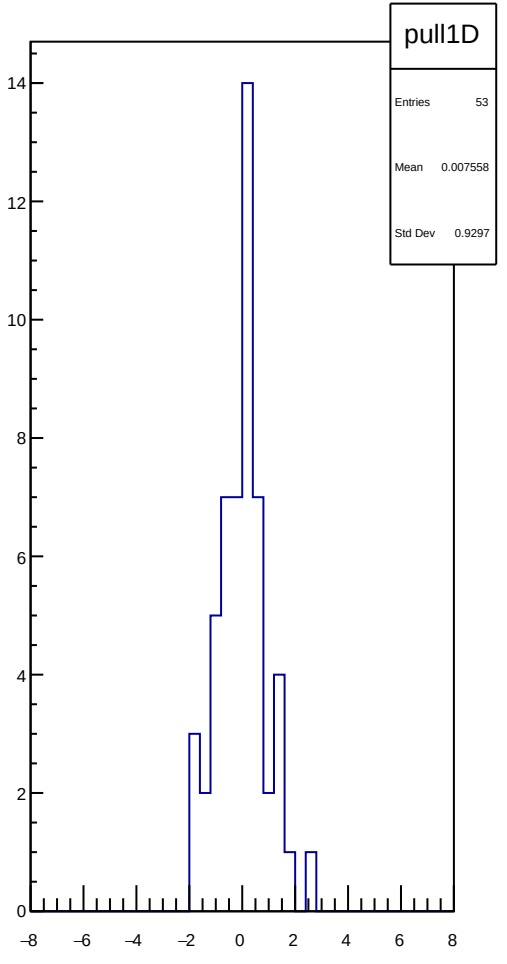

cor_asym_atl2_rms vs run
χ² / ndf 48.41 / 52
p0 1930 ± 1.928
1980
1960
1940
1920
1900

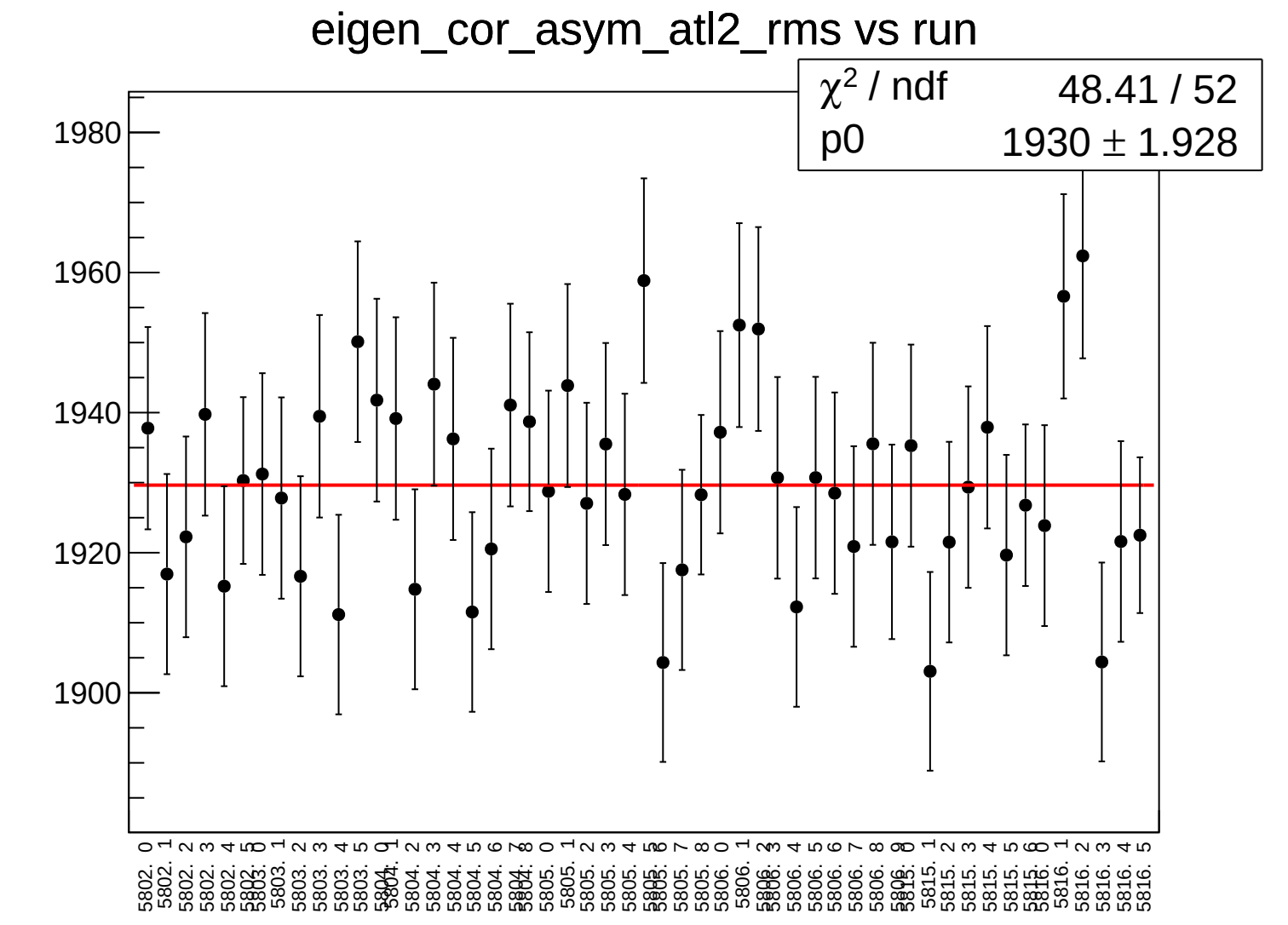

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 64.26 / 52
p0 −4045 ± 7657
pull
Entries 53
Mean −52.99
Std Dev 0

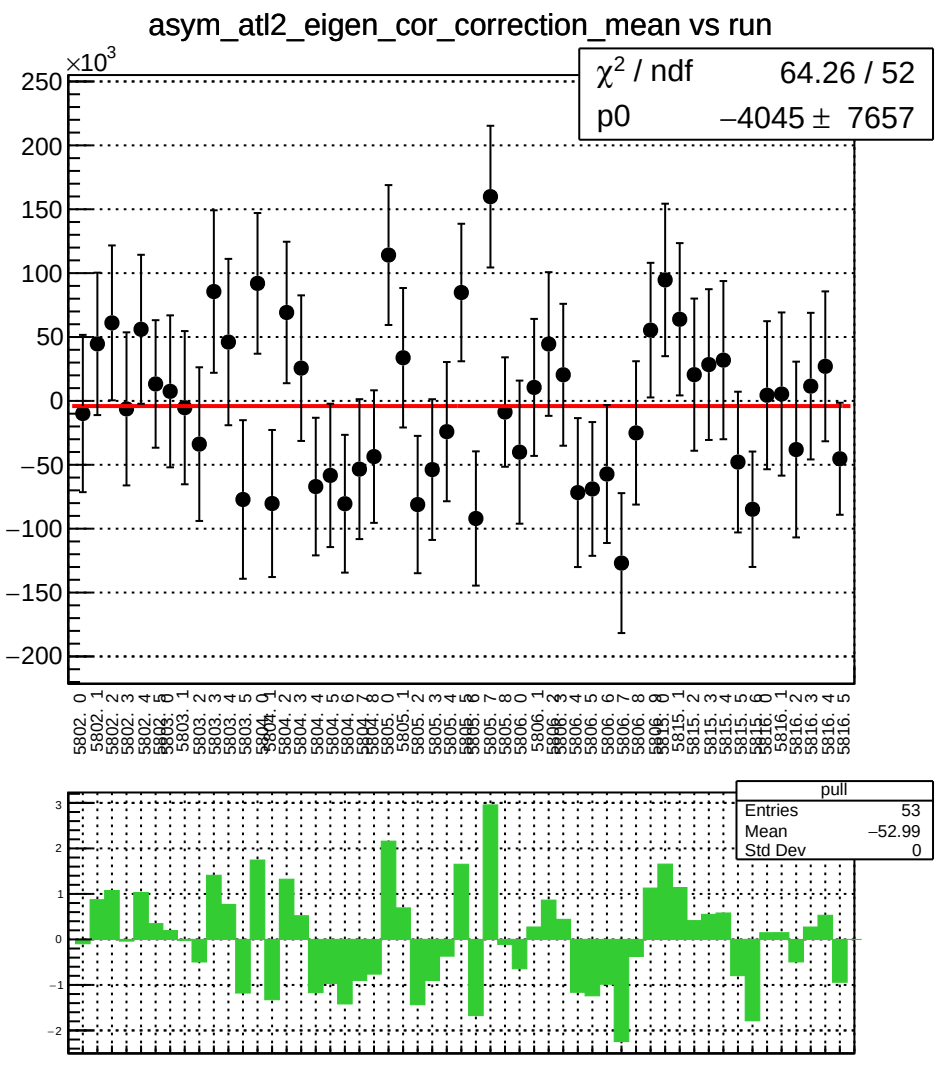

pull1D
Entries 53
Mean 0.02575
Std Dev 1.101

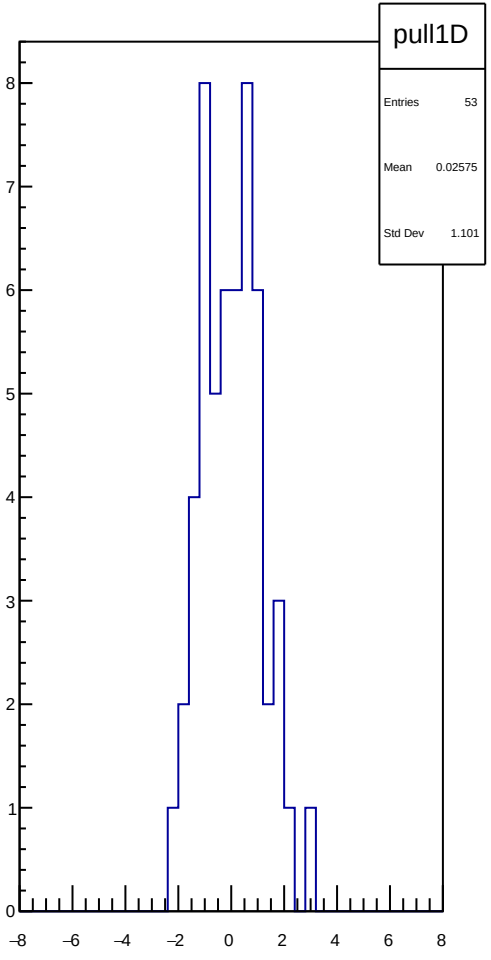

asym_atl2_cor_correction_rms vs run
χ² / ndf 3169 / 52
p0 5410 ± 5.415
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

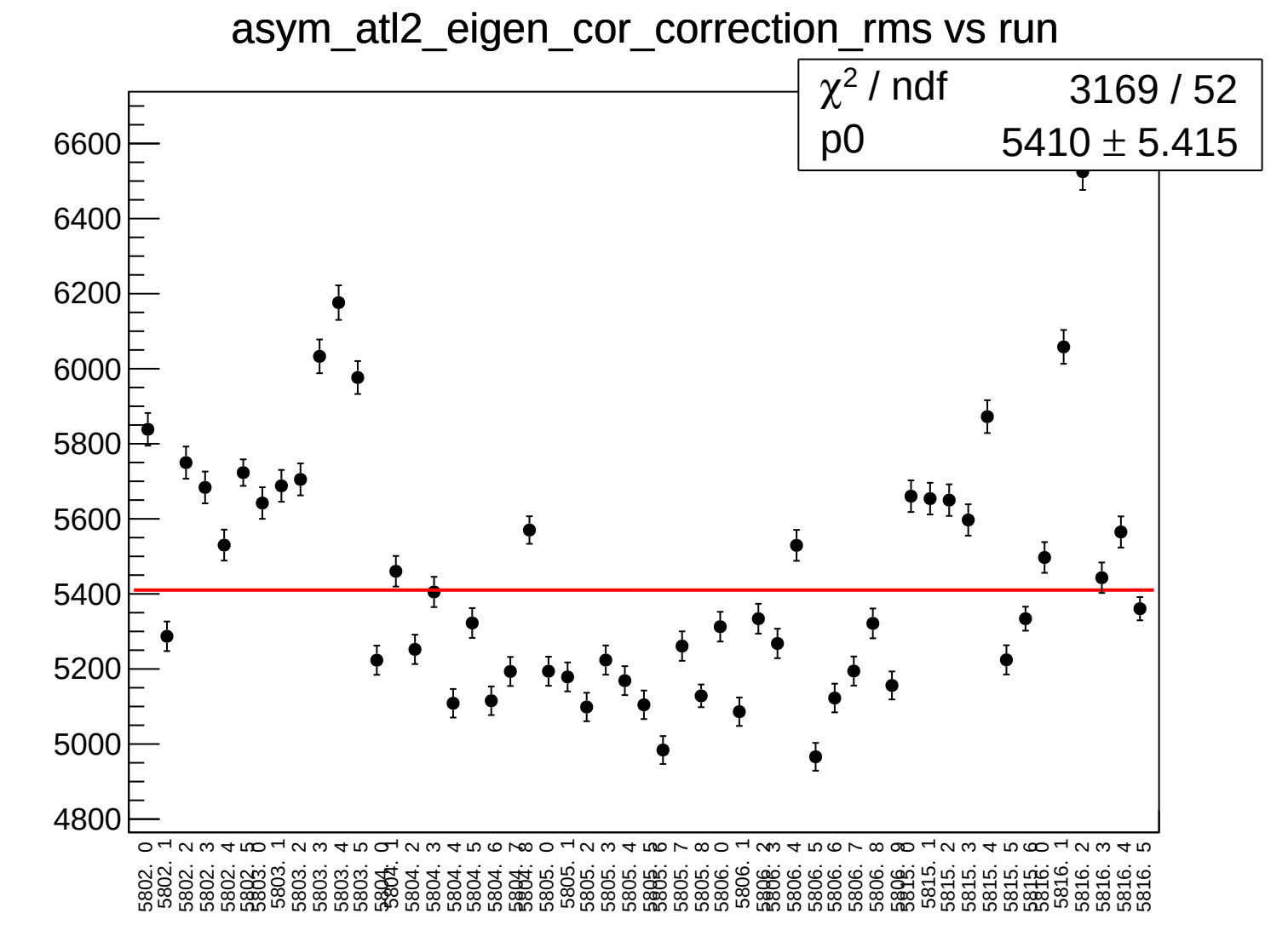

eigen_cor_asym_atl2_mean vs run
χ² / ndf 45.81 / 52
p0 2235 ± 2727
pull
Entries 53
Mean 279.1
Std Dev 0

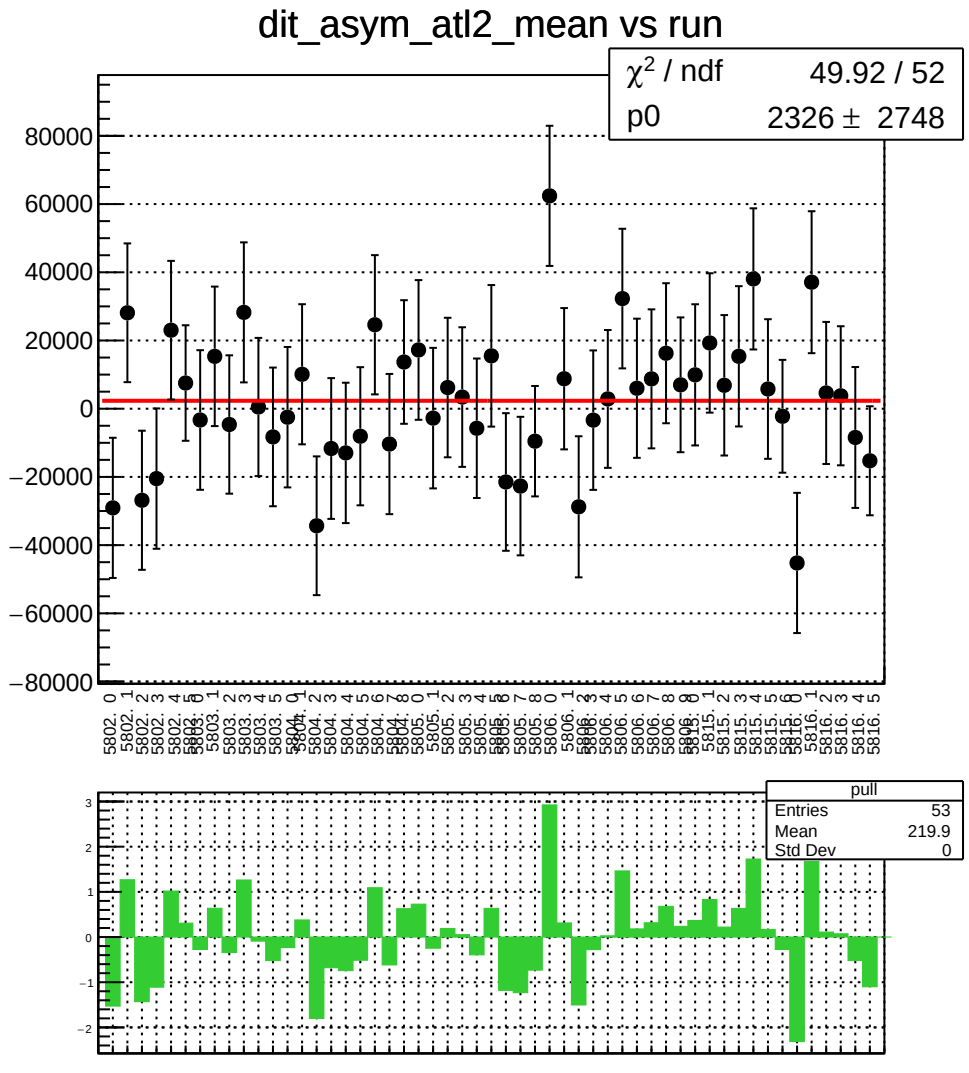

pull1D
Entries 53
Mean 0.007558
Std Dev 0.9297

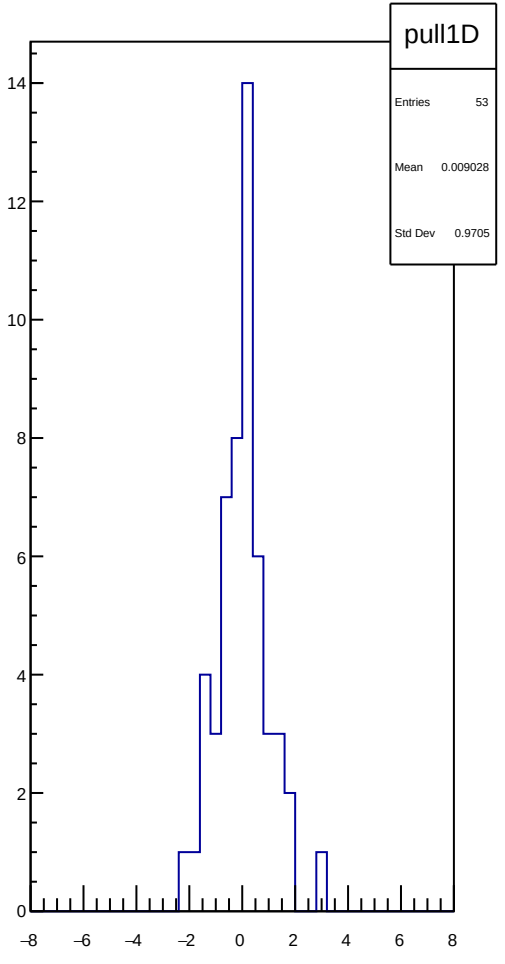

eigen_cor_asym_atl2_rms vs run
χ² / ndf 48.41 / 52
p0 1930 ± 1.928
1980
1960
1940
1920
1900

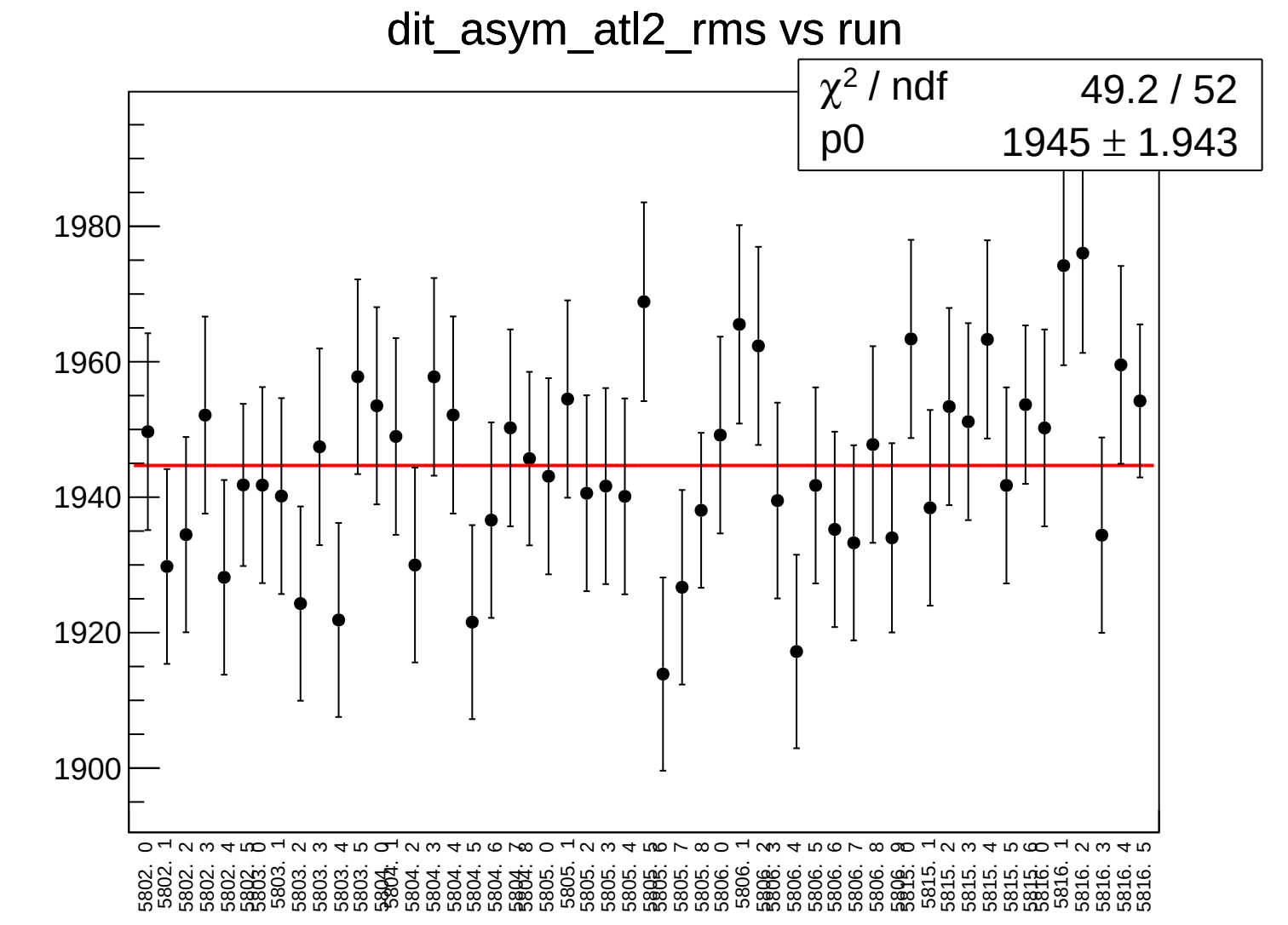

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 64.26 / 52
p0 −4045 ± 7657
pull
Entries 53
Mean −52.99
Std Dev 0

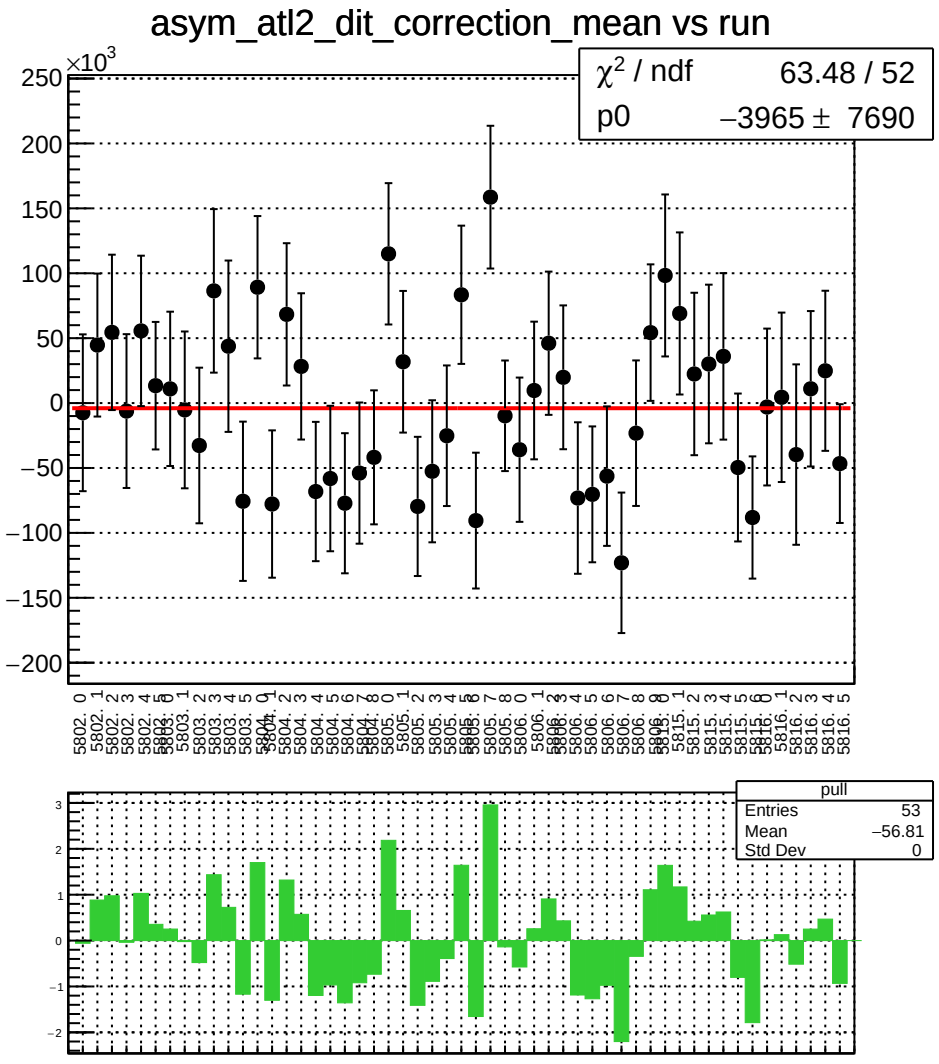

pull1D
Entries 53
Mean 0.02575
Std Dev 1.101

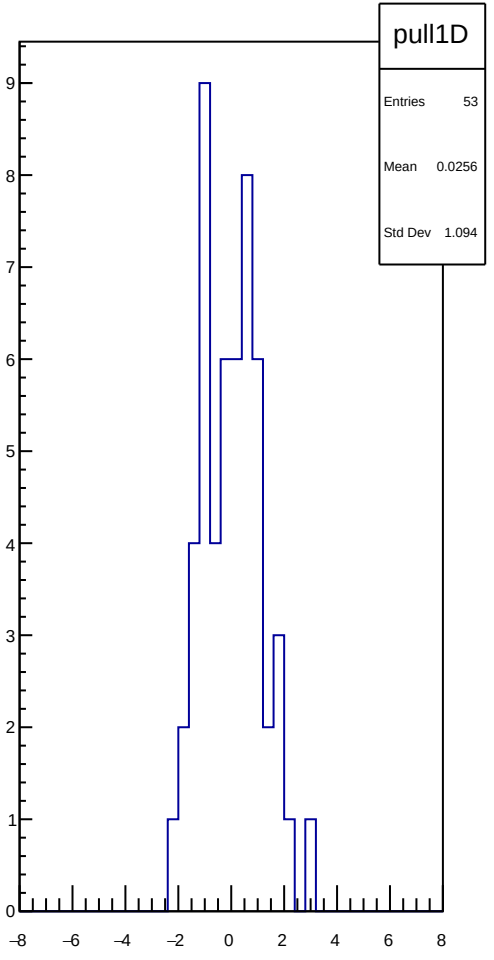

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 3169 / 52
p0 5410 ± 5.415
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

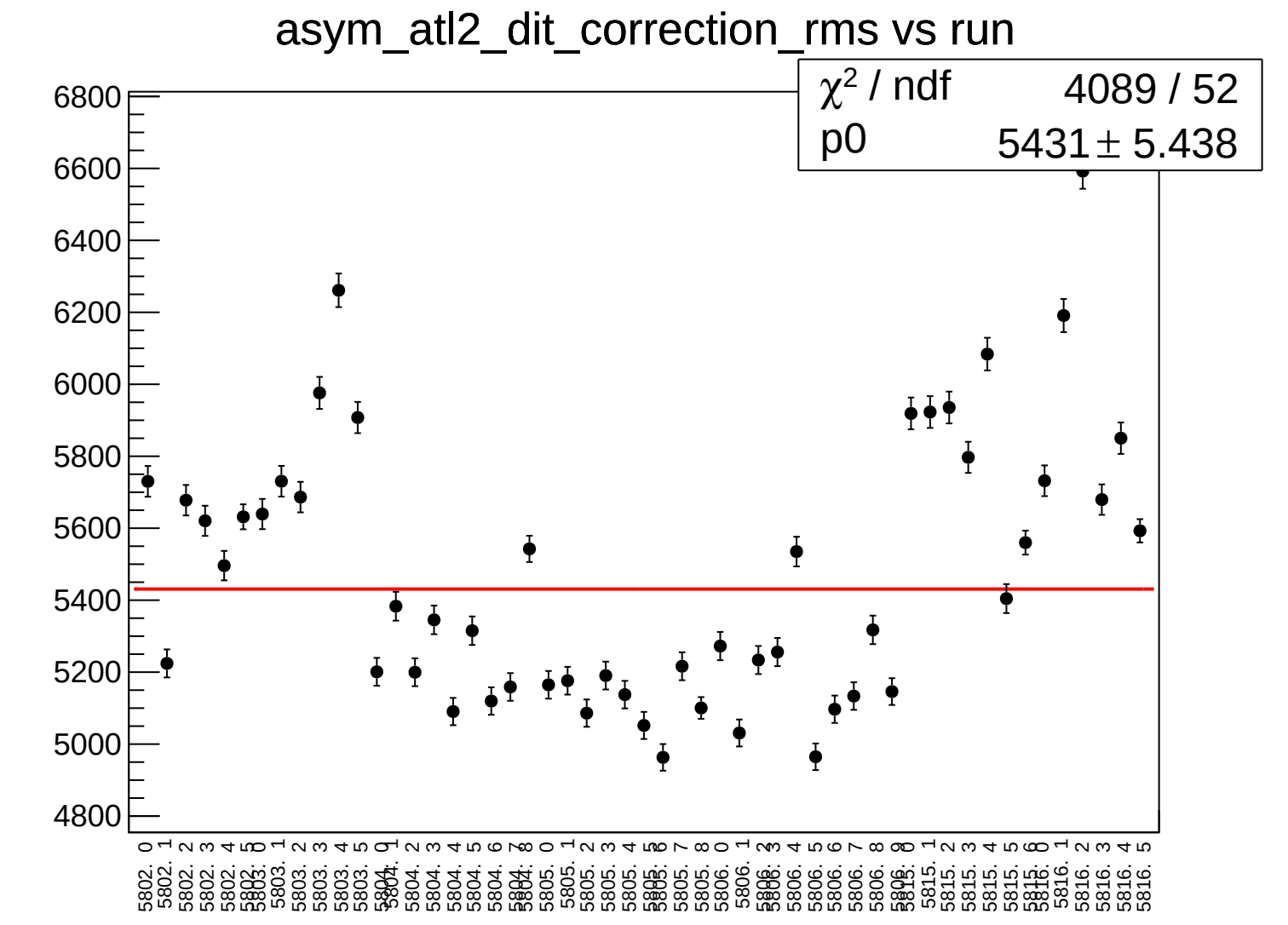

dit_asym_atl2_mean vs run
χ² / ndf 49.92 / 52
p0 2326 ± 2748
pull
Entries 53
Mean 219.9
Std Dev 0

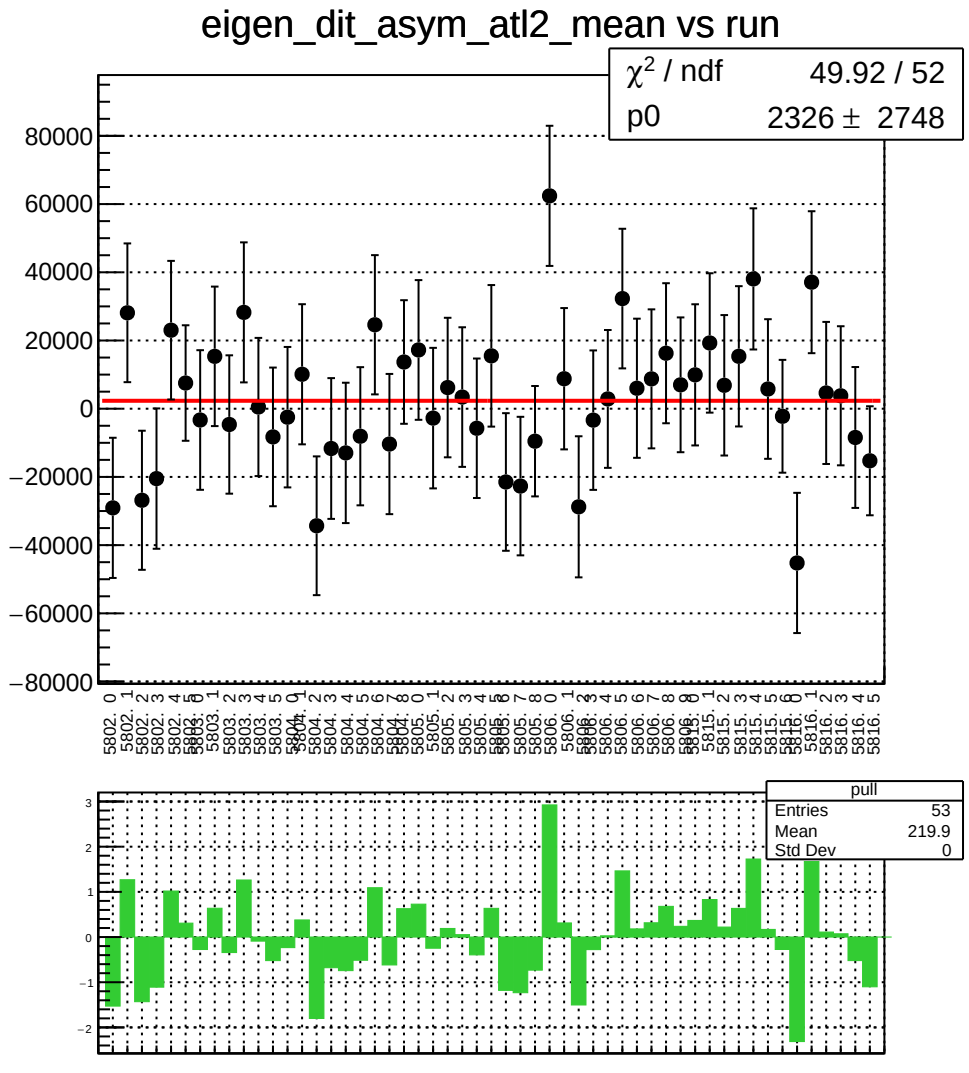

pull1D
Entries 53
Mean 0.009028
Std Dev 0.9705

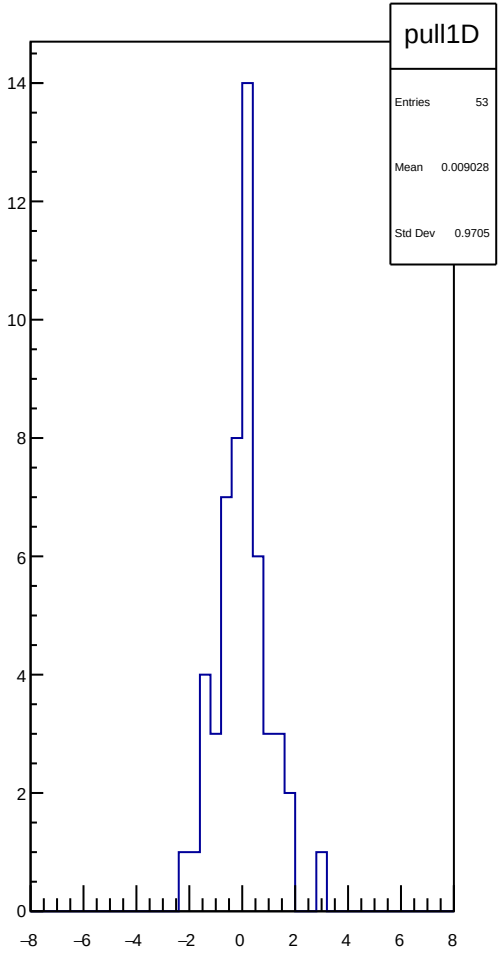

dit_asym_atl2_rms vs run
χ² / ndf 49.2 / 52
p0 1945 ± 1.943
1980
1960
1940
1920
1900

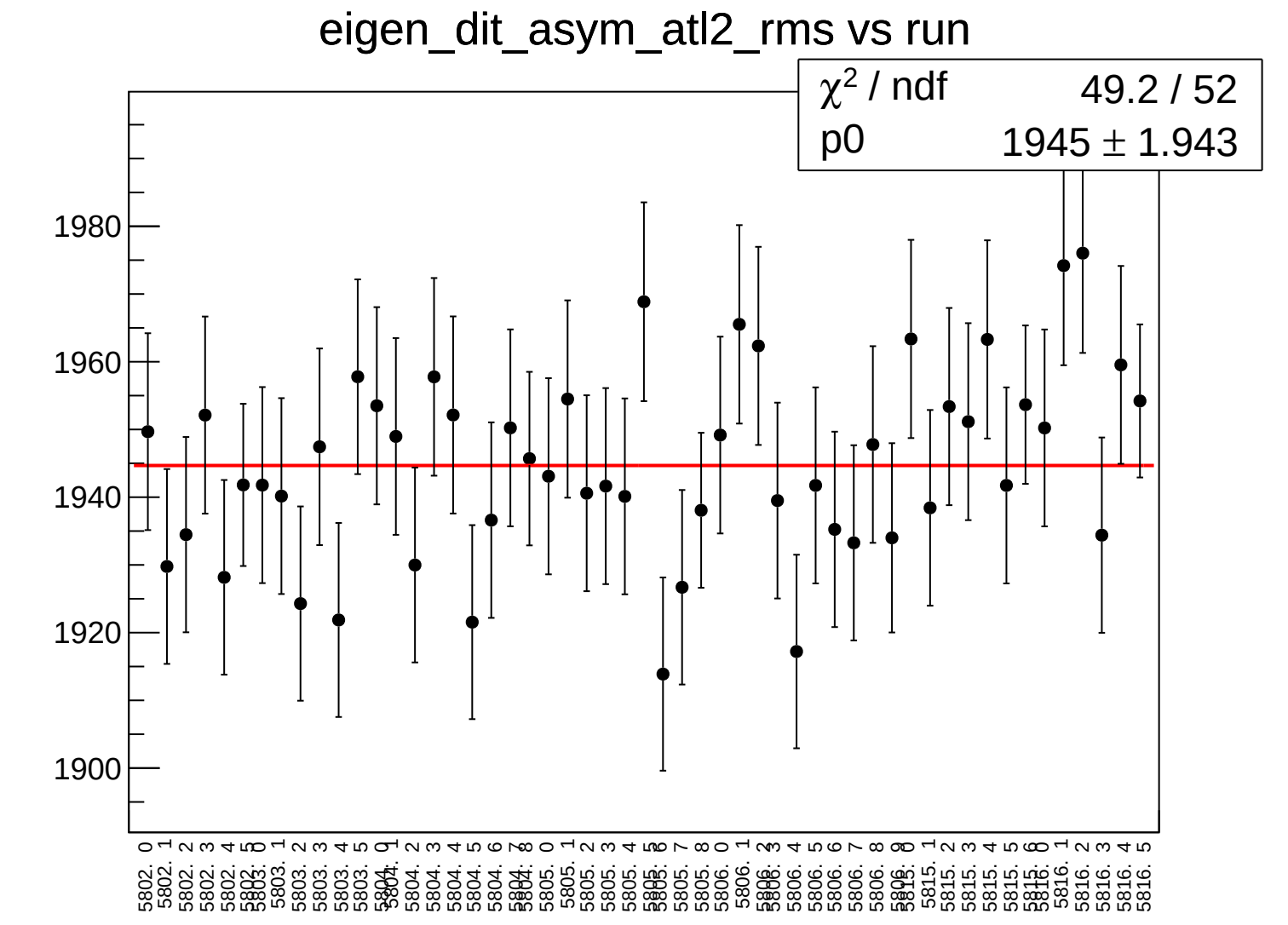

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 63.48 / 52
p0 −3965 ± 7690
pull
Entries 53
Mean −56.81
Std Dev 0

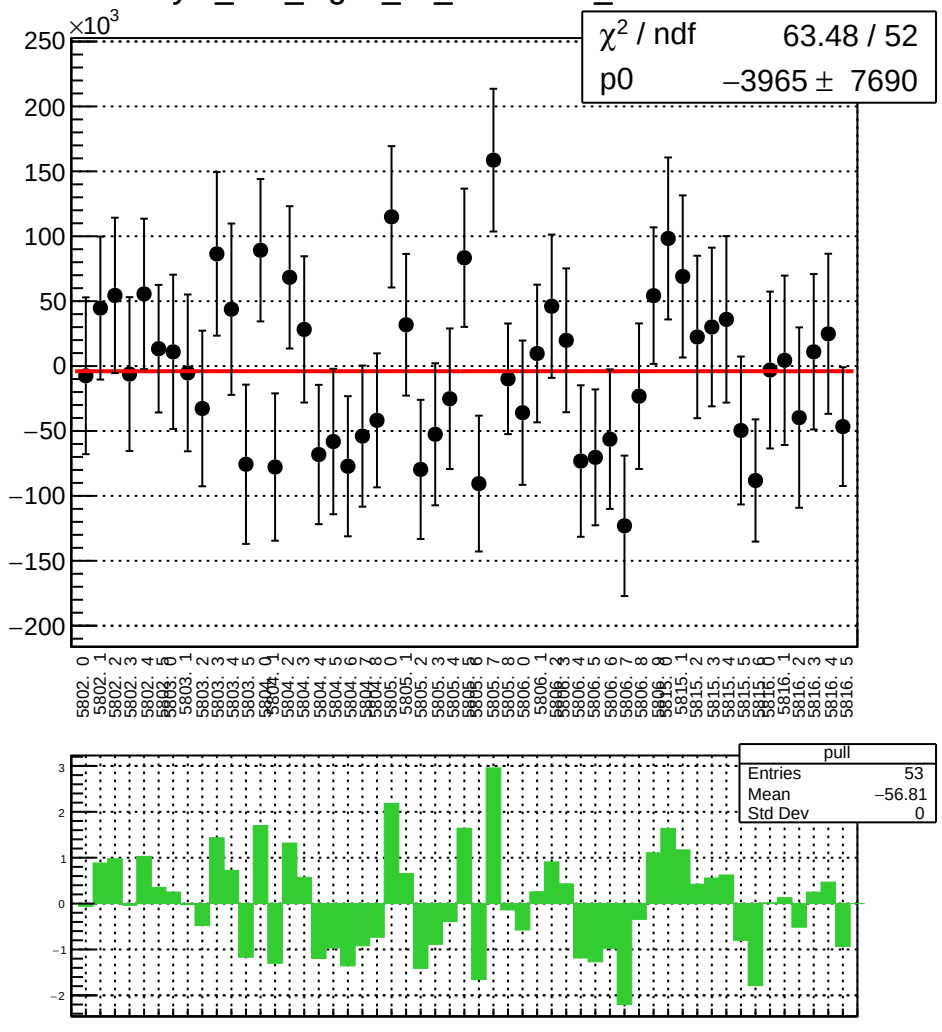

pull1D
Entries 53
Mean 0.0256
Std Dev 1.094

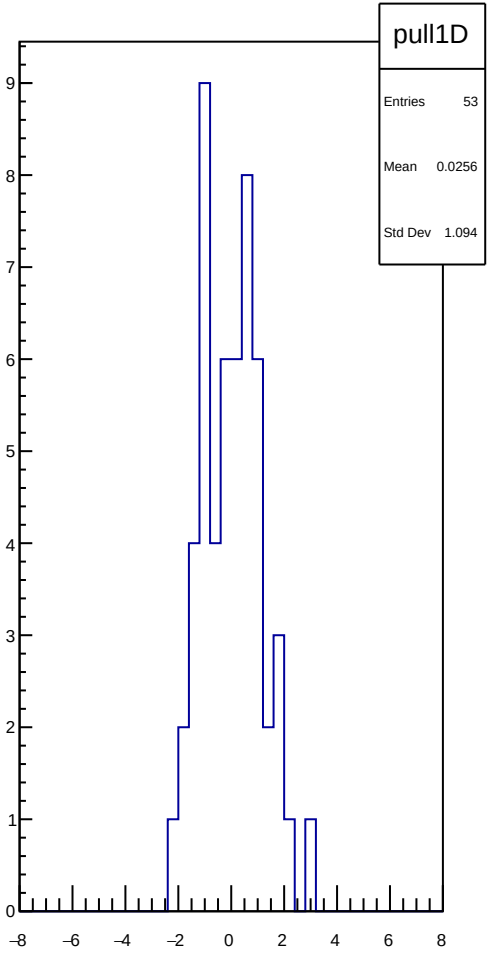

asym_atl2_dit_correction_rms vs run
χ² / ndf 4089 / 52
p0 5431 ± 5.438
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

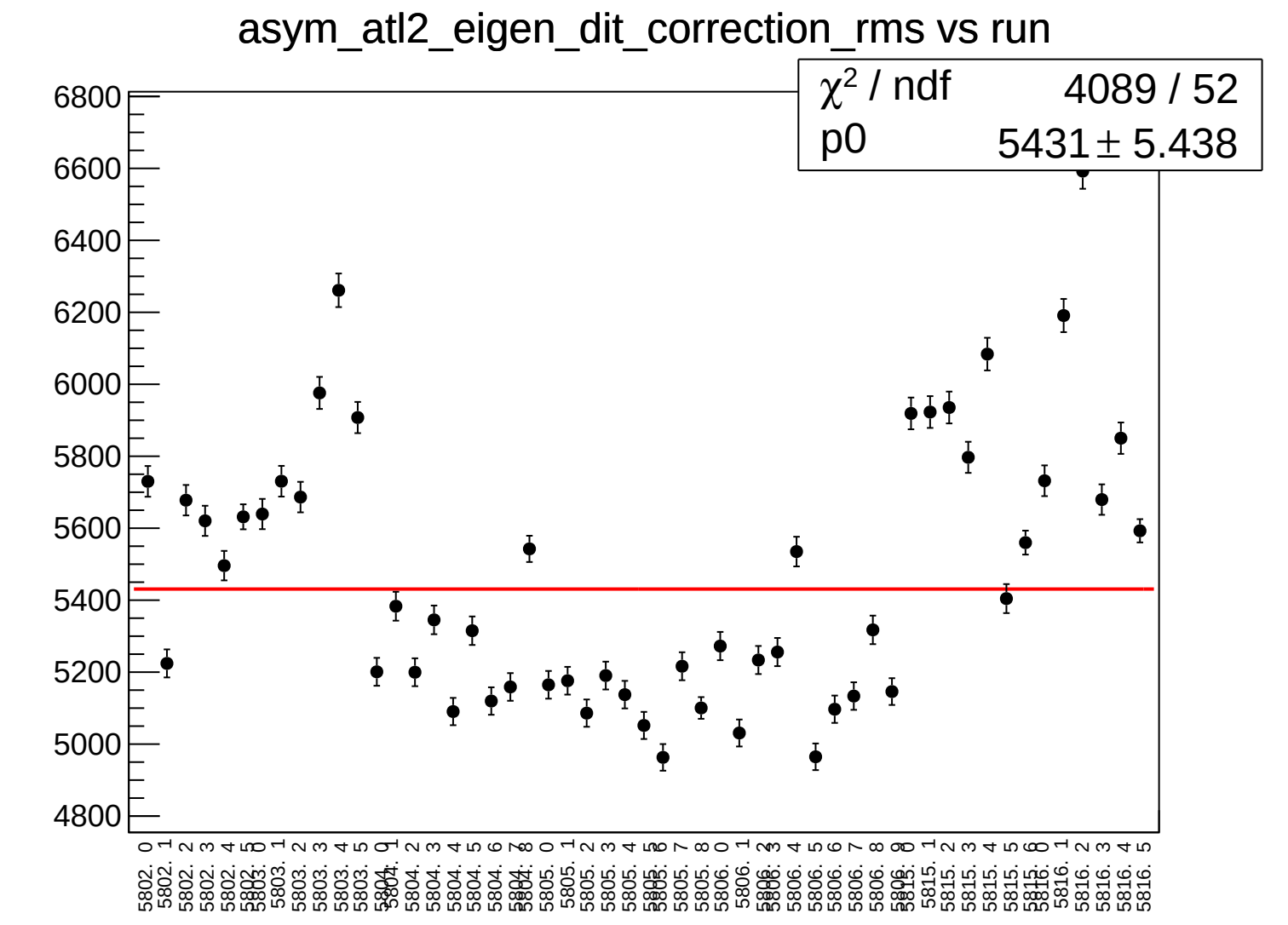

eigen_dit_asym_atl2_mean vs run
χ² / ndf 49.92 / 52
p0 2326 ± 2748
pull
Entries 53
Mean 219.9
Std Dev 0

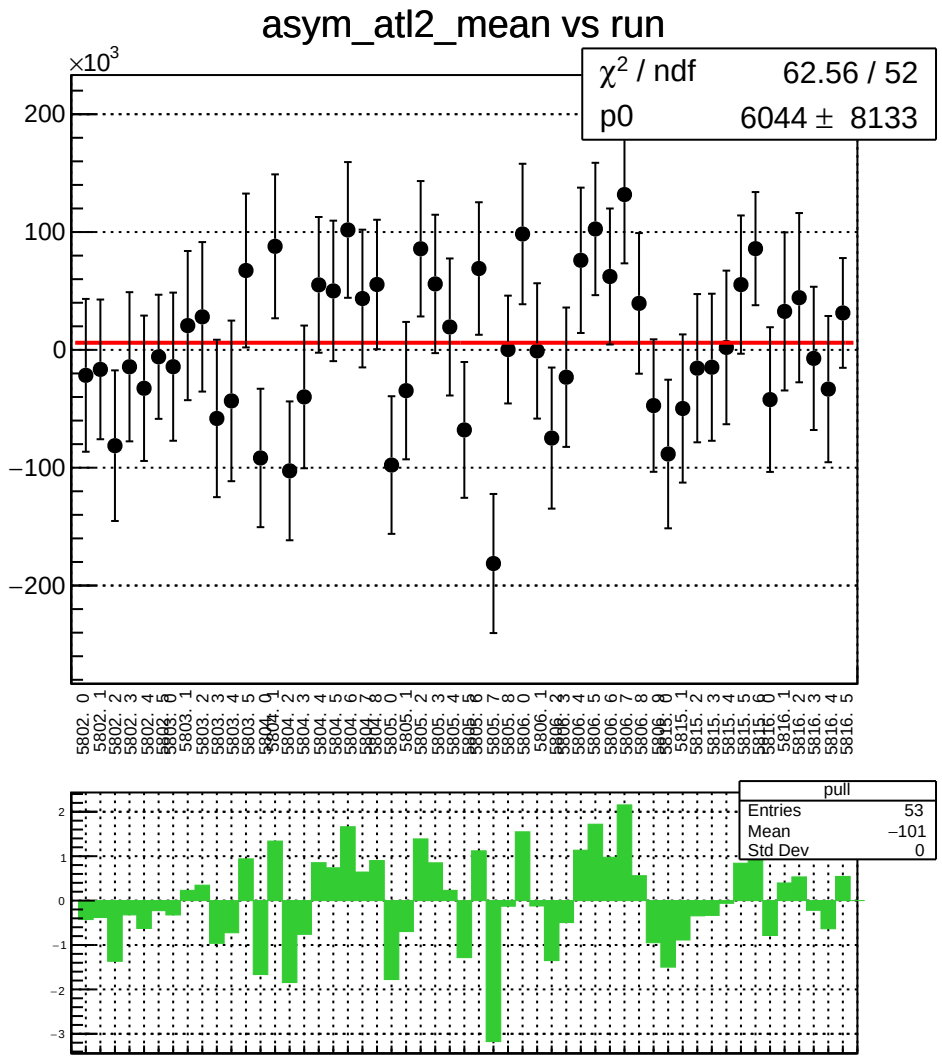

pull1D
Entries 53
Mean 0.009028
Std Dev 0.9705

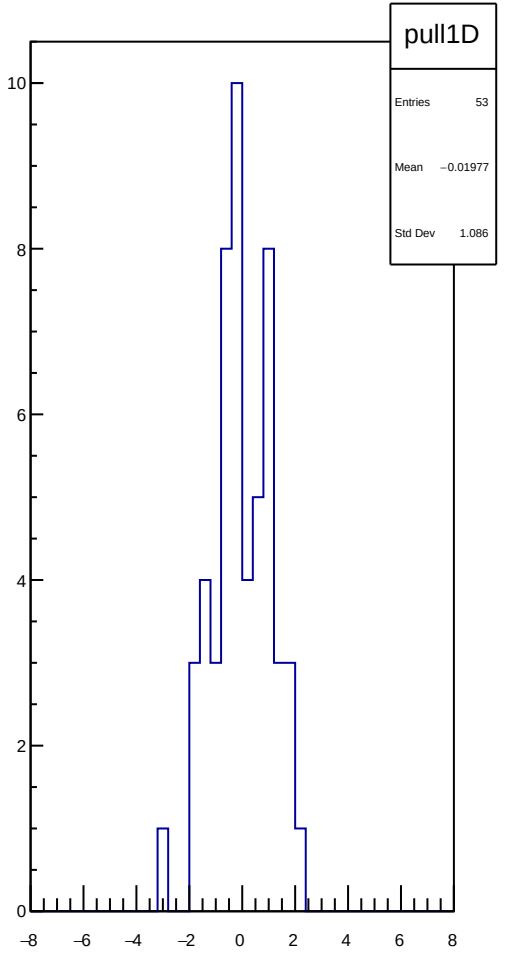

eigen_dit_asym_atl2_rms vs run
χ² / ndf 49.2 / 52
p0 1945 ± 1.943
1980
1960
1940
1920
1900

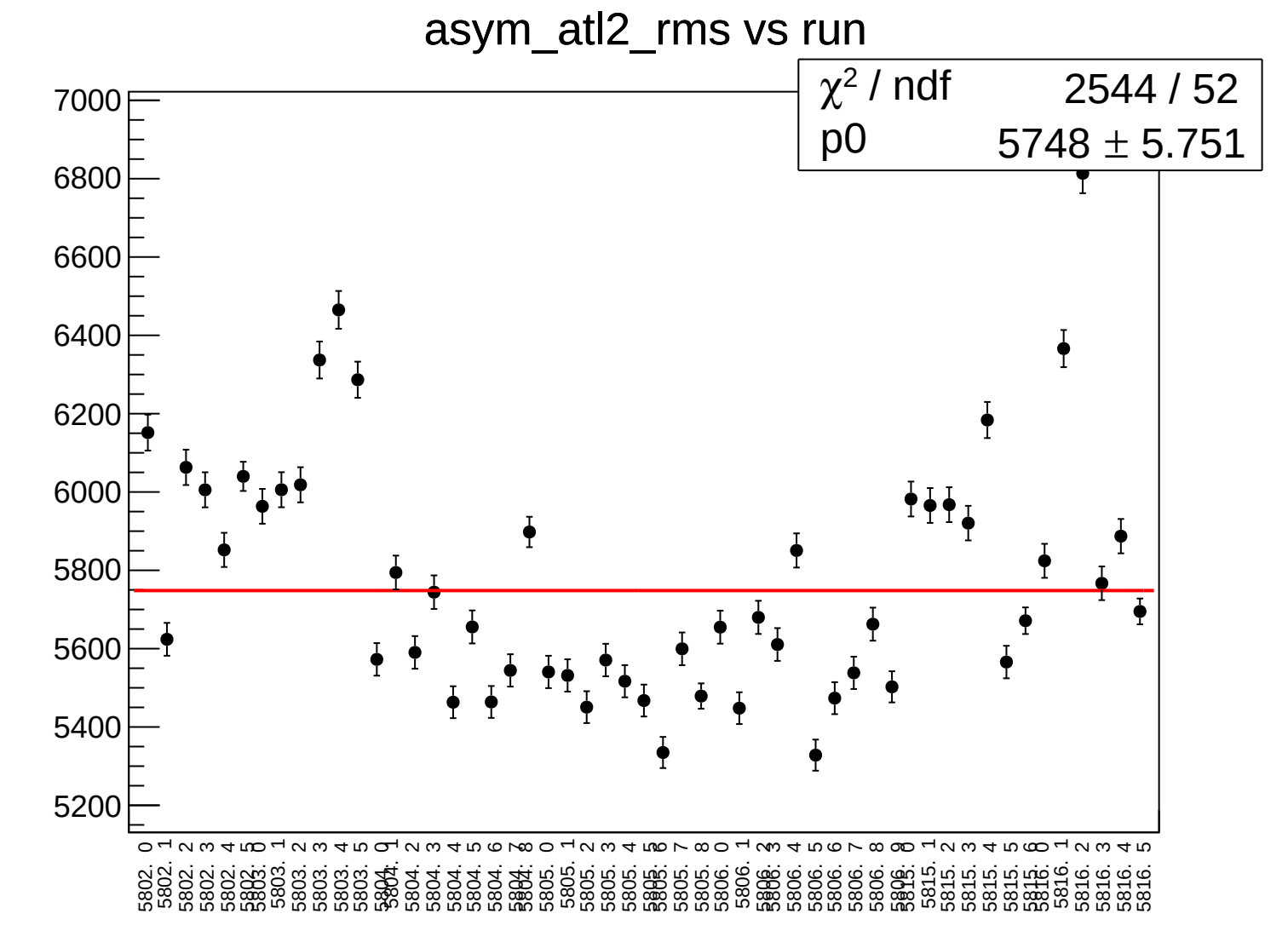

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 63.48 / 52
p0 −3965 ± 7690
pull
Entries 53
Mean −56.81
Std Dev 0

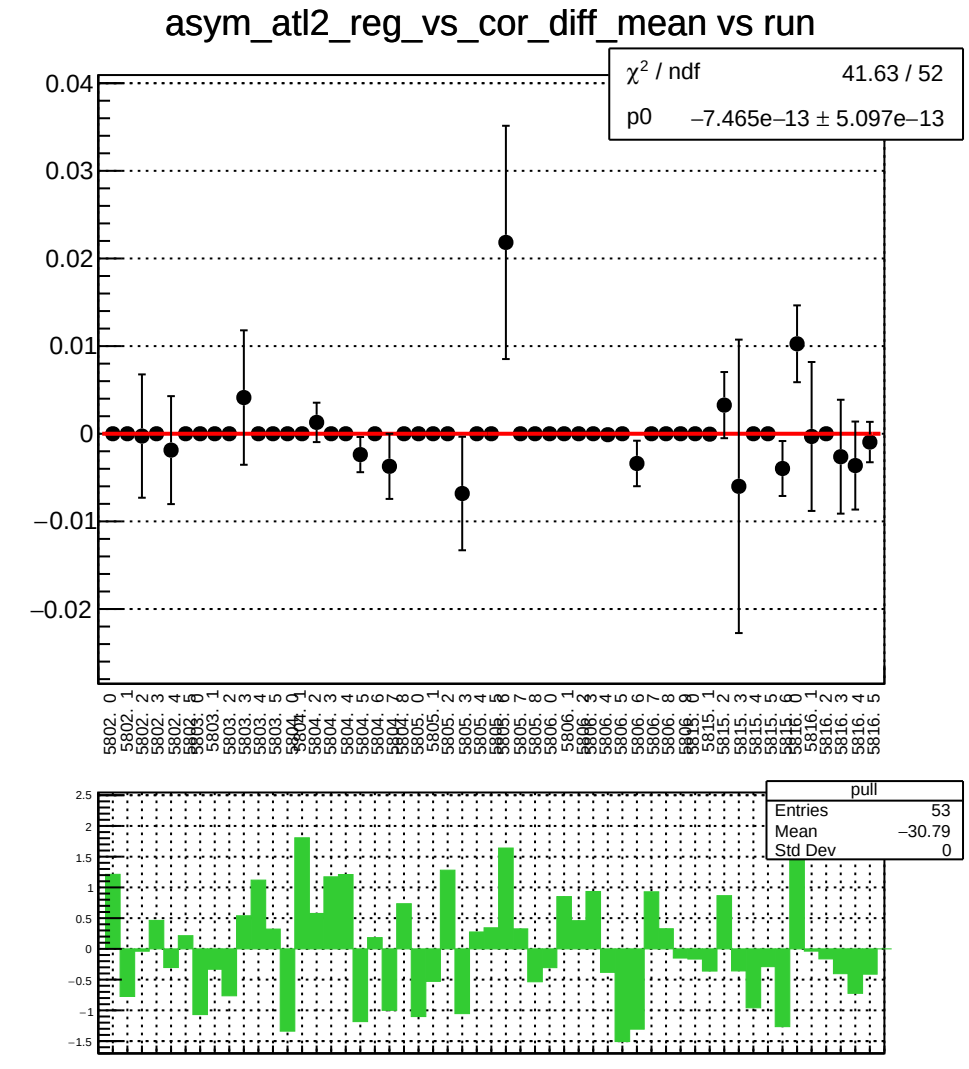

pull1D
Entries 53
Mean 0.0256
Std Dev 1.094

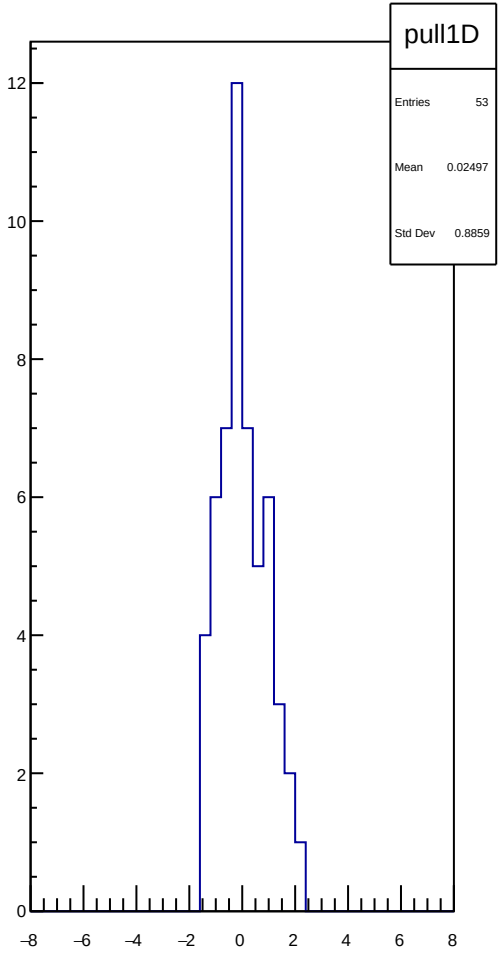

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 4089 / 52
p0 5431 ± 5.438
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

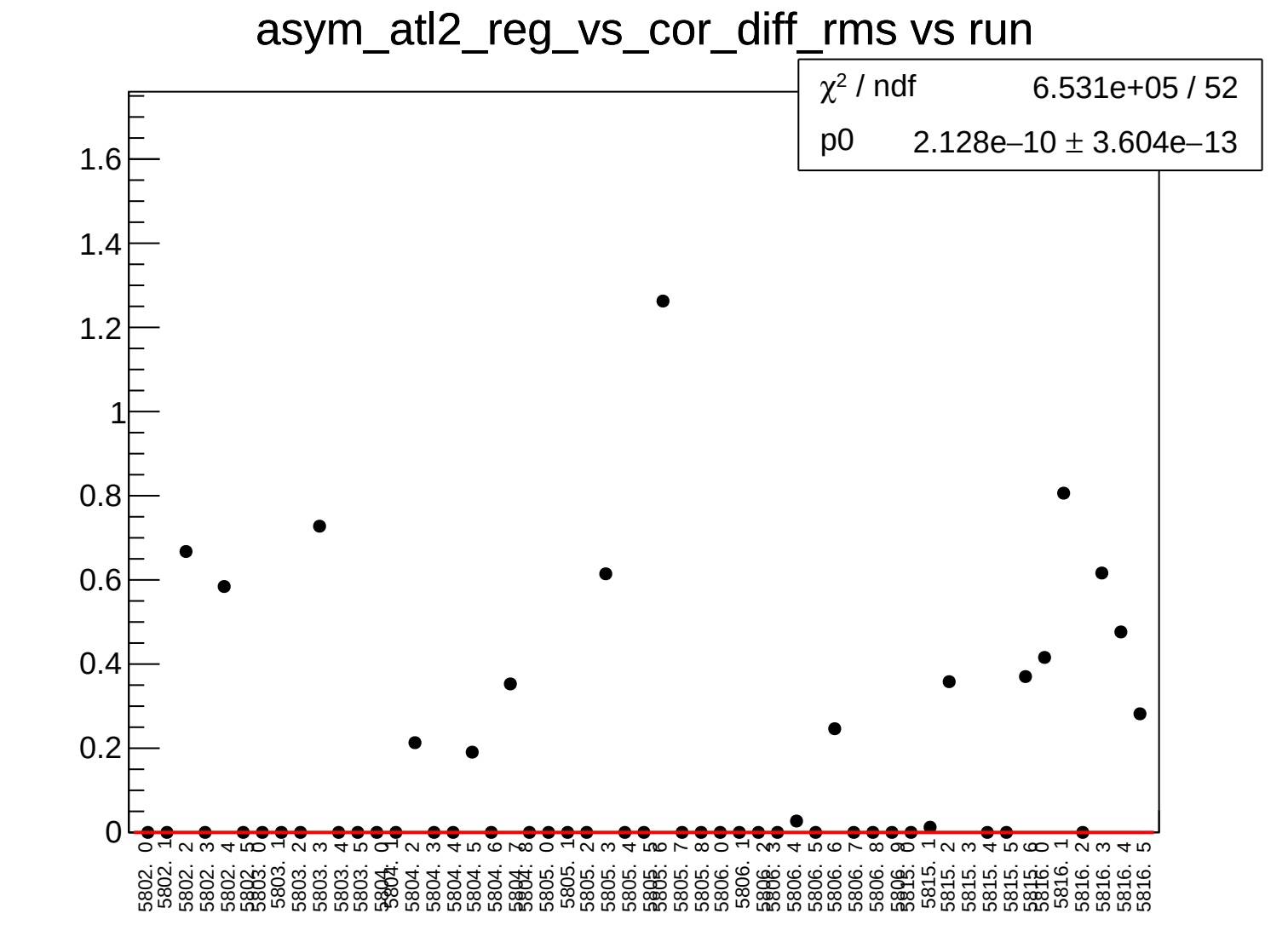

asym_atl2_mean vs run
×10^3
χ^2 / ndf 62.56 / 52
p0 6044 ± 8133
200
100
0
−100
−200
pull
Entries 53
Mean −101
Std Dev 0
2
1
0
−1
−2
−3

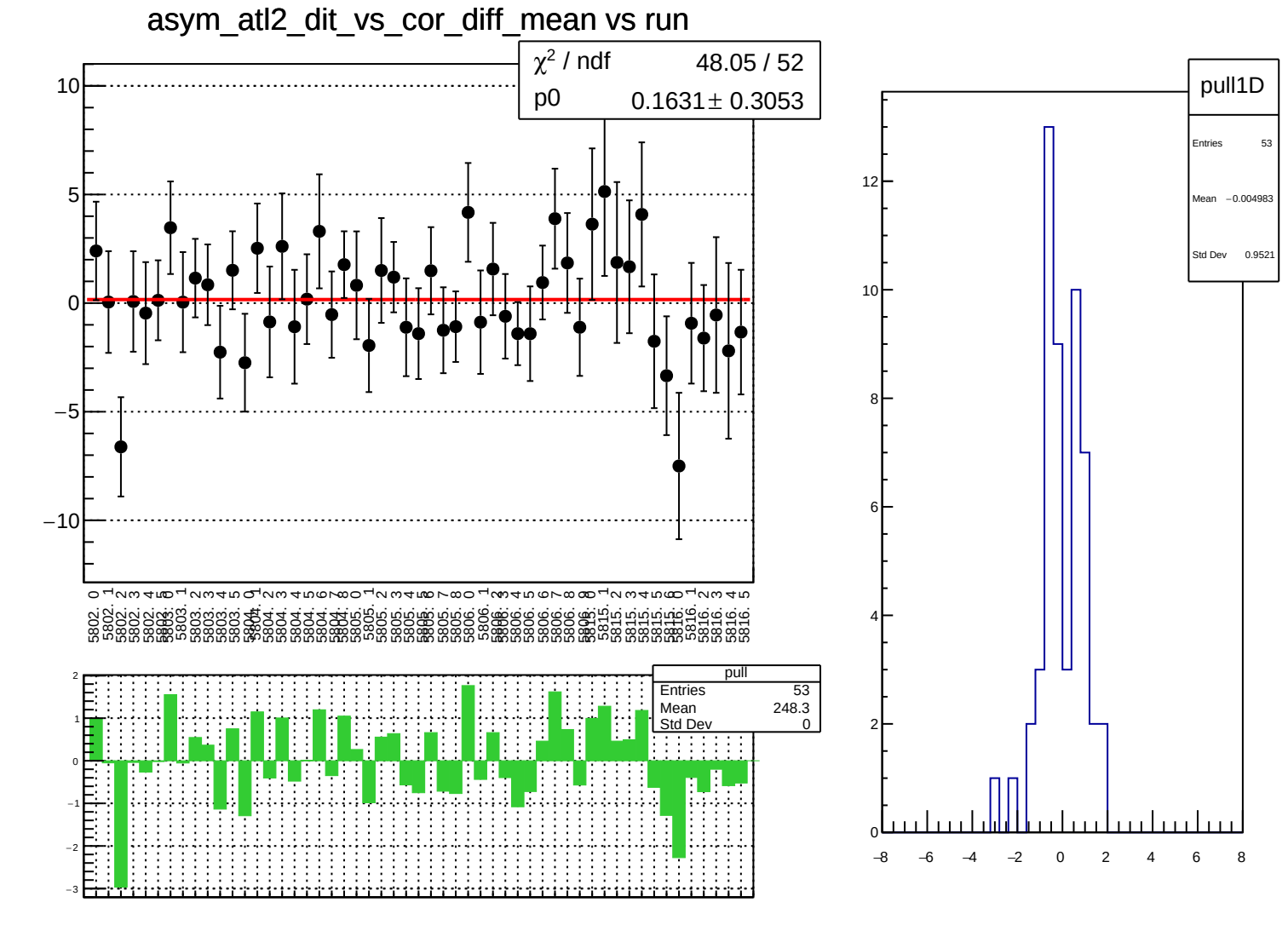

pull1D
Entries 53
Mean −0.01977
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

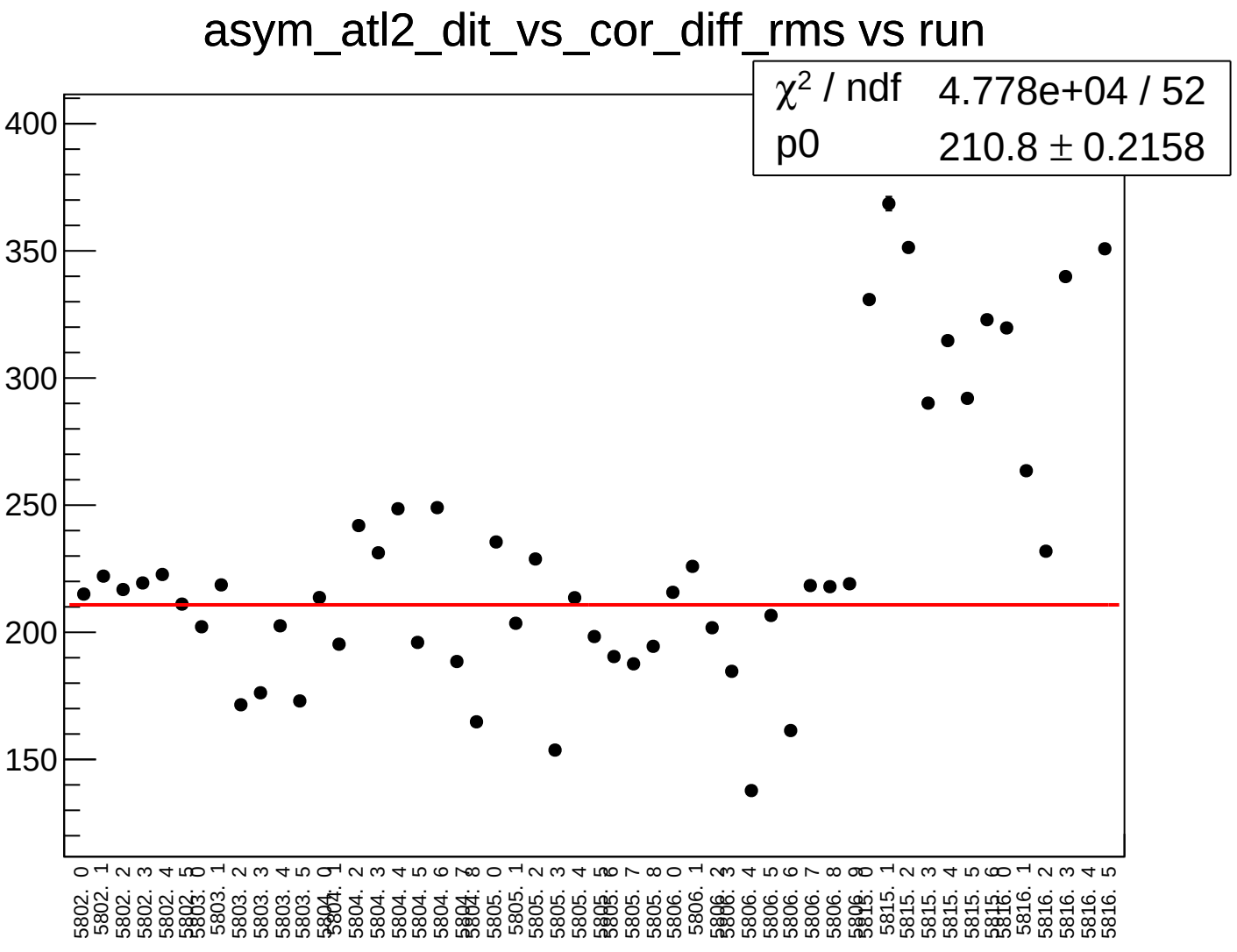

asym_atl2_rms vs run
χ² / ndf 2544 / 52
p0 5748 ± 5.751
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

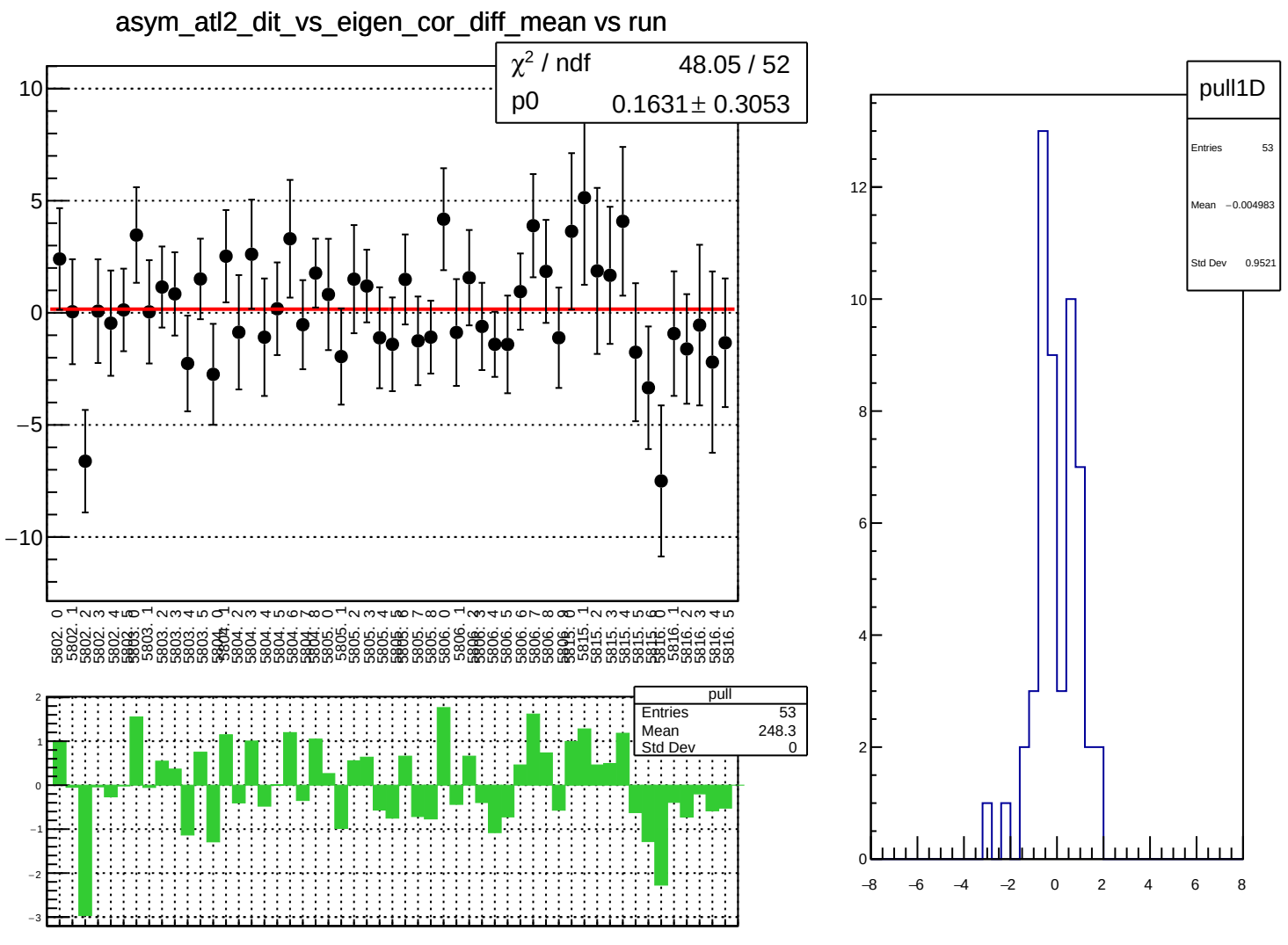

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 41.63 / 52
p0 −7.465e−13 ± 5.097e−13
pull
Entries 53
Mean −30.79
Std Dev 0

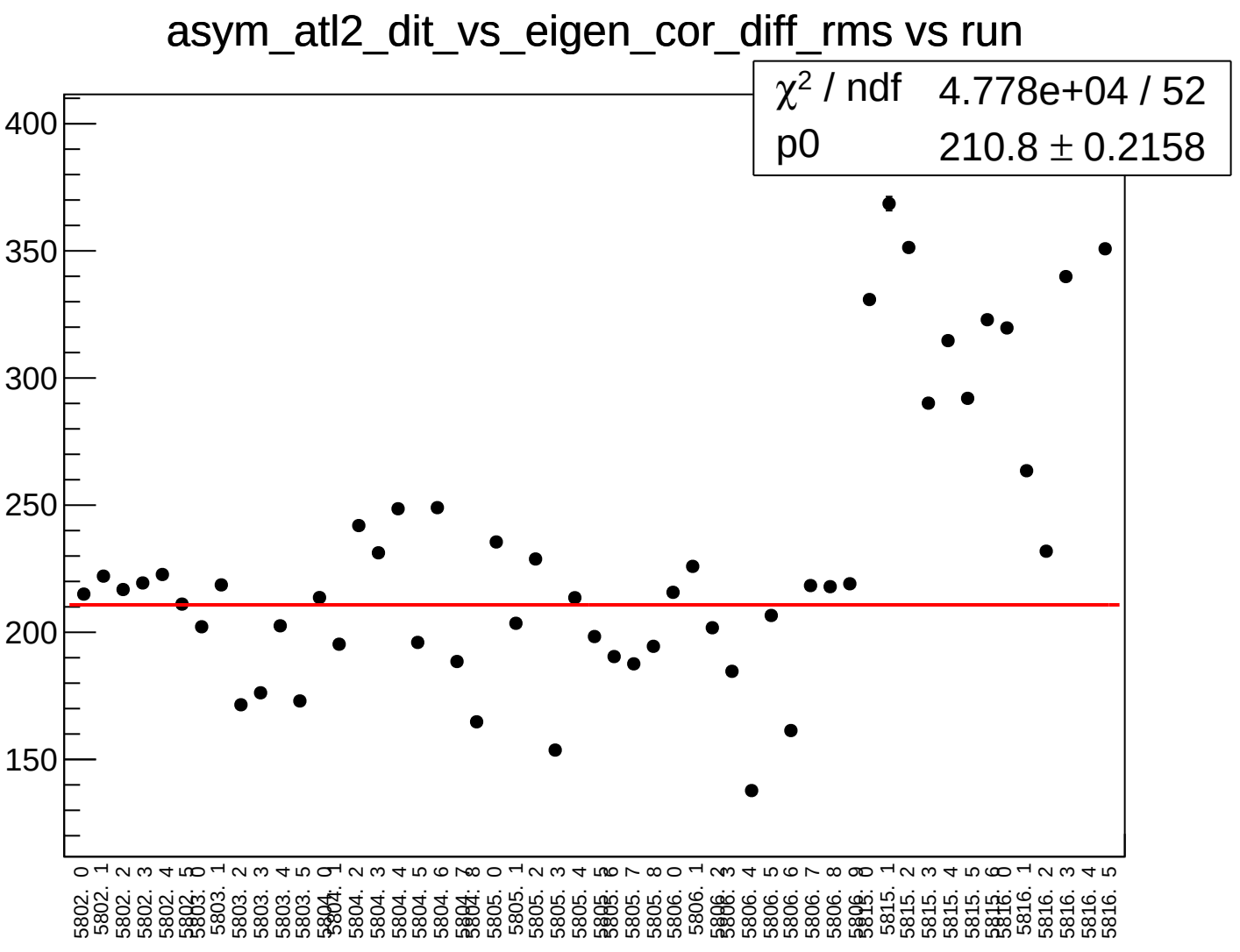

pull1D
Entries 53
Mean 0.02497
Std Dev 0.8859

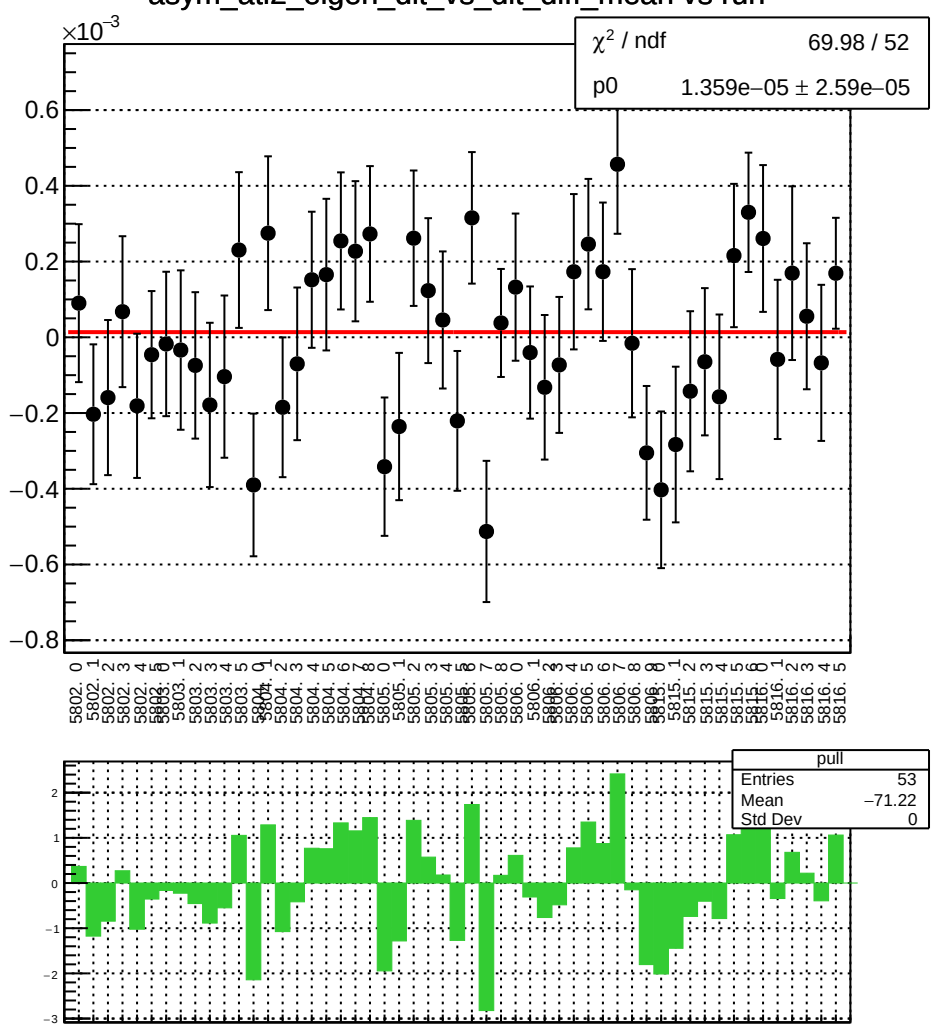

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.531e+05 / 52
p0 2.128e−10 ± 3.604e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

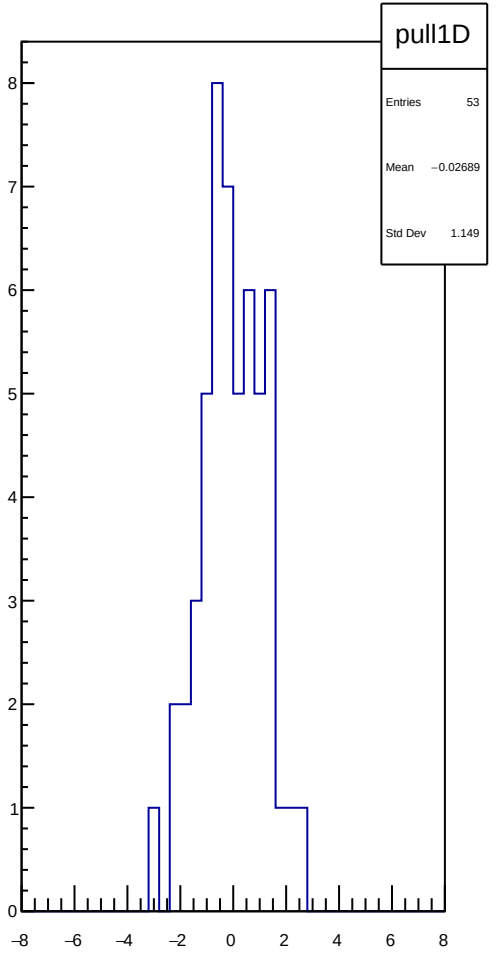

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1631 ± 0.3053
pull
Entries 53
Mean 248.3
Std Dev 0
pull1D
Entries 53
Mean −0.004983
Std Dev 0.9521

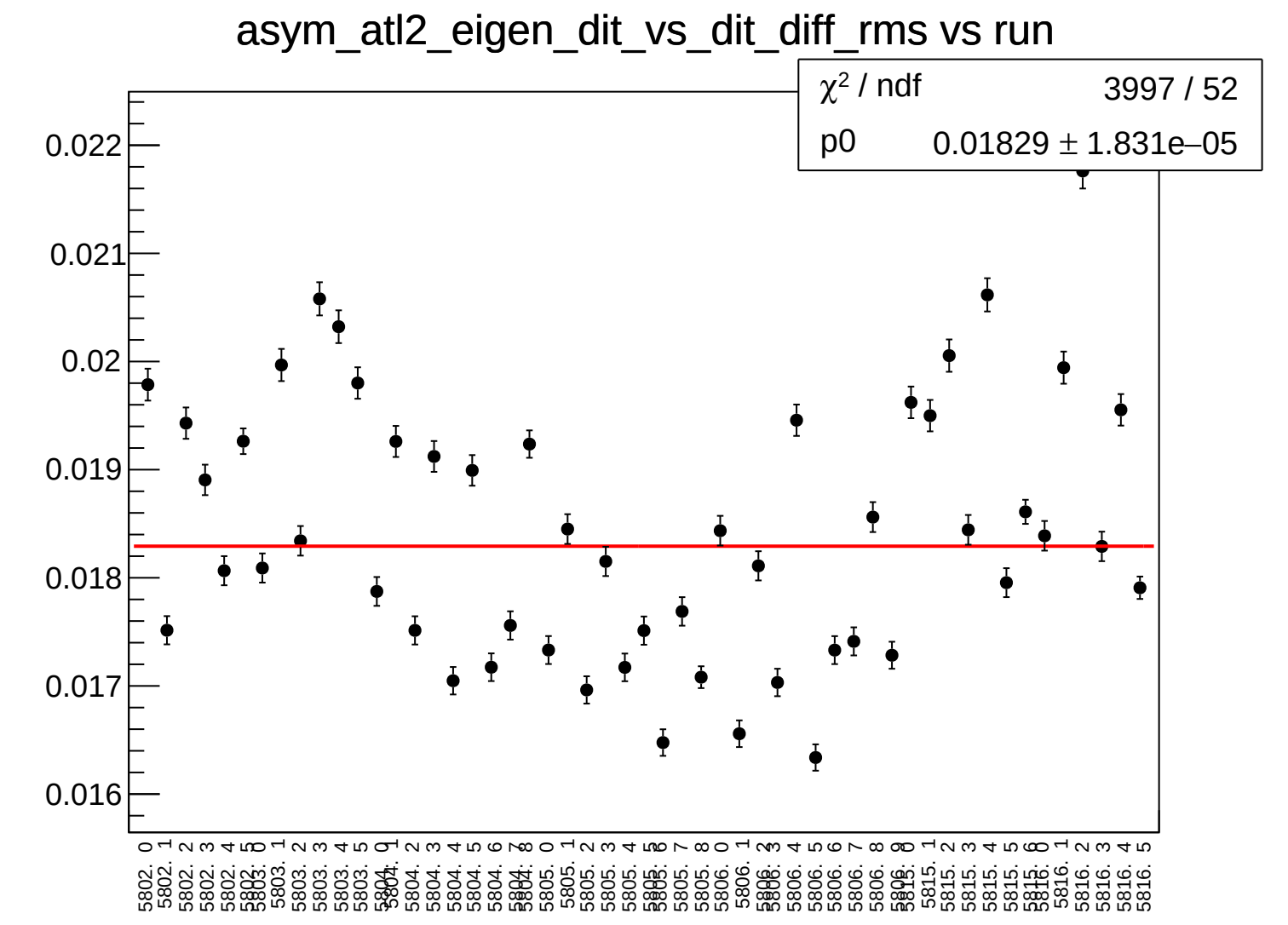

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.778e+04 / 52
p0 210.8 ± 0.2158
400
350
300
250
200
150

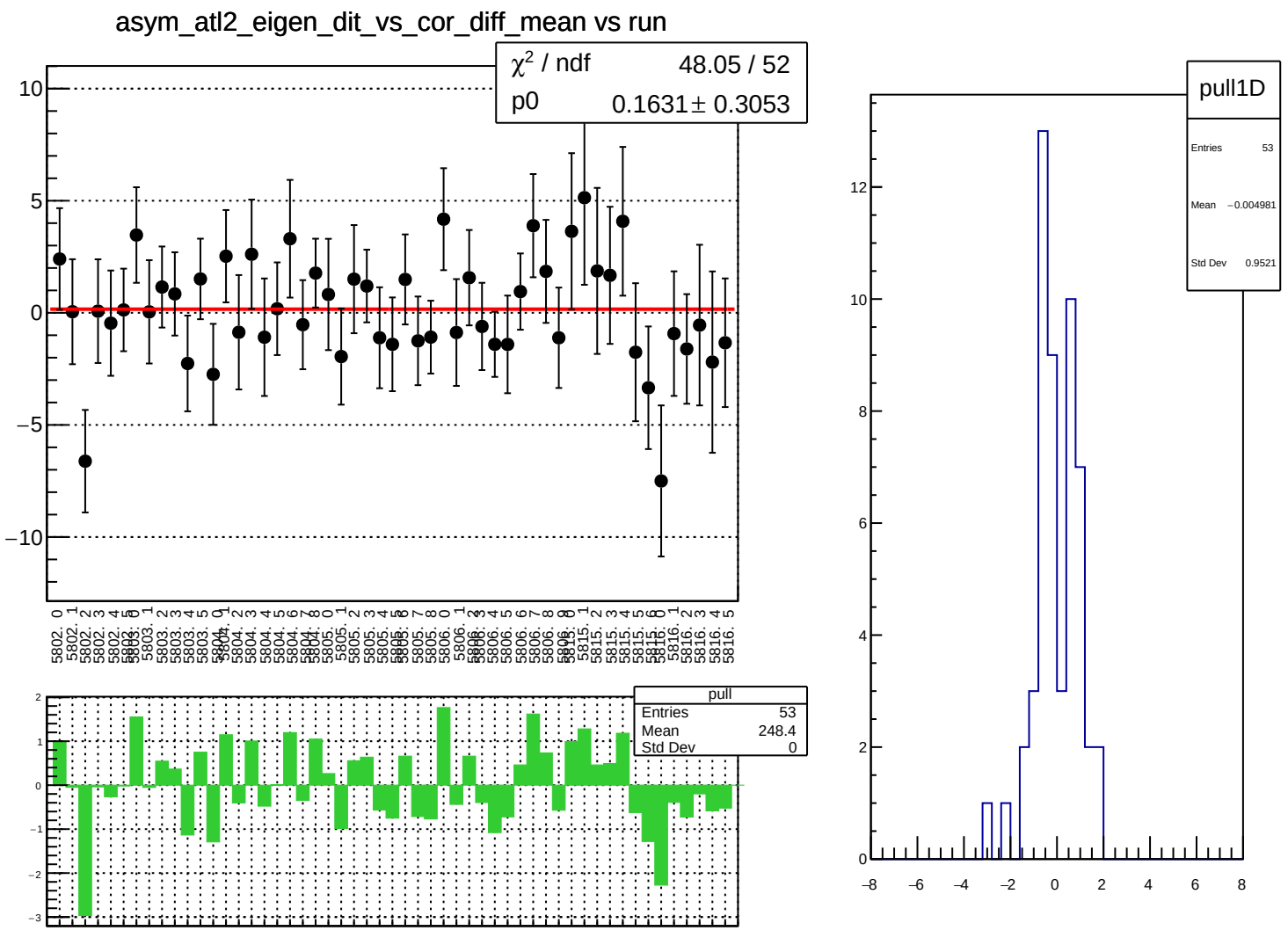

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1631 ± 0.3053
pull
Entries 53
Mean 248.3
Std Dev 0
pull1D
Entries 53
Mean −0.004983
Std Dev 0.9521

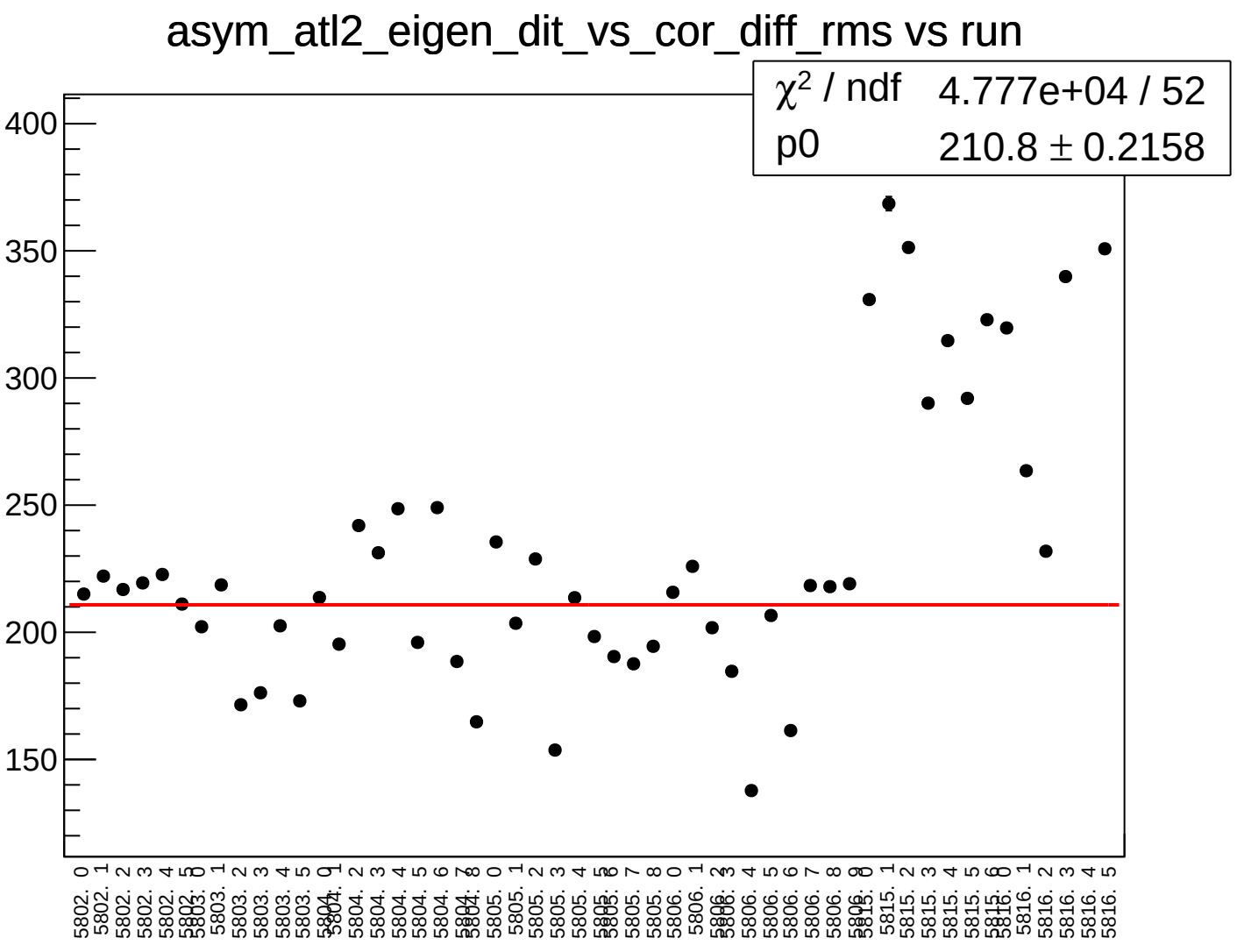

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.778e+04 / 52
p0 210.8 ± 0.2158
400
350
300
250
200
150

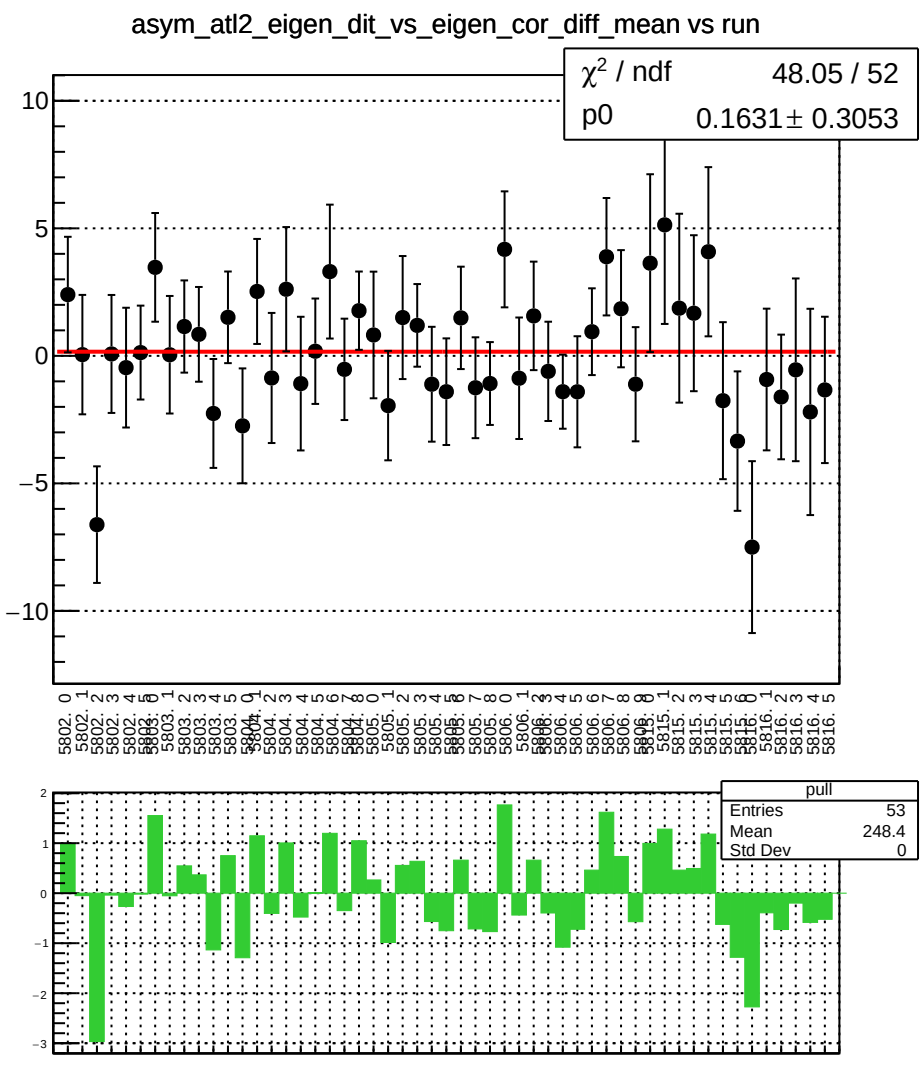

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.98 / 52
p0 1.359e−05 ± 2.59e−05
pull
Entries 53
Mean −71.22
Std Dev 0

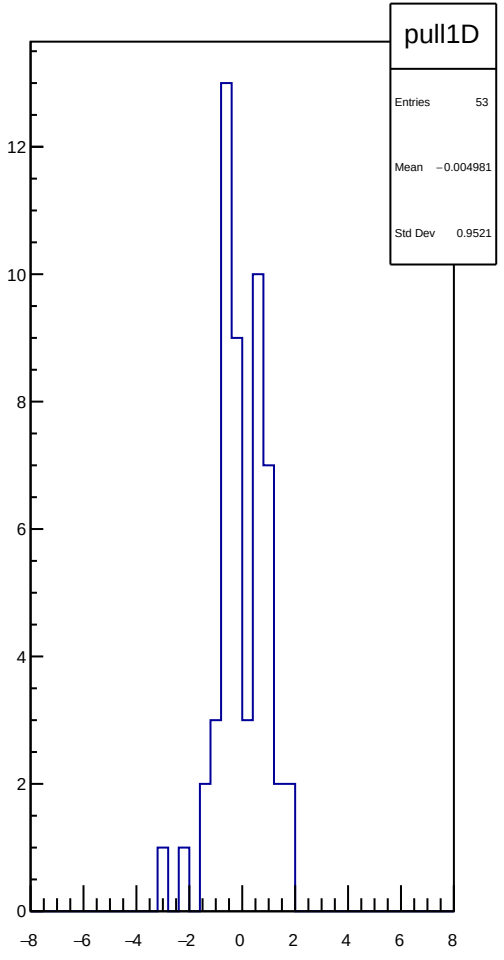

pull1D
Entries 53
Mean −0.02689
Std Dev 1.149

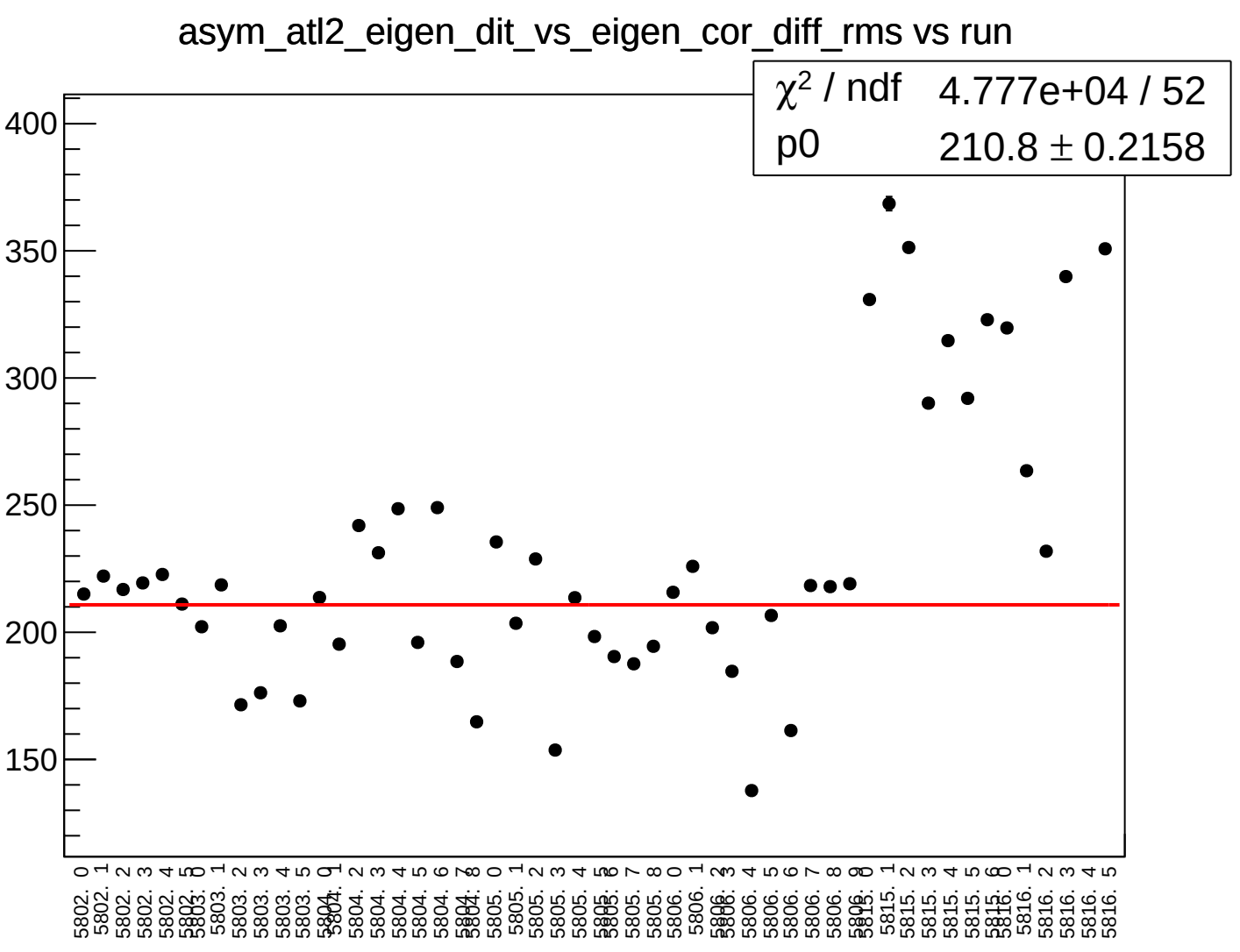

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3997 / 52
p0 0.01829 ± 1.831e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016

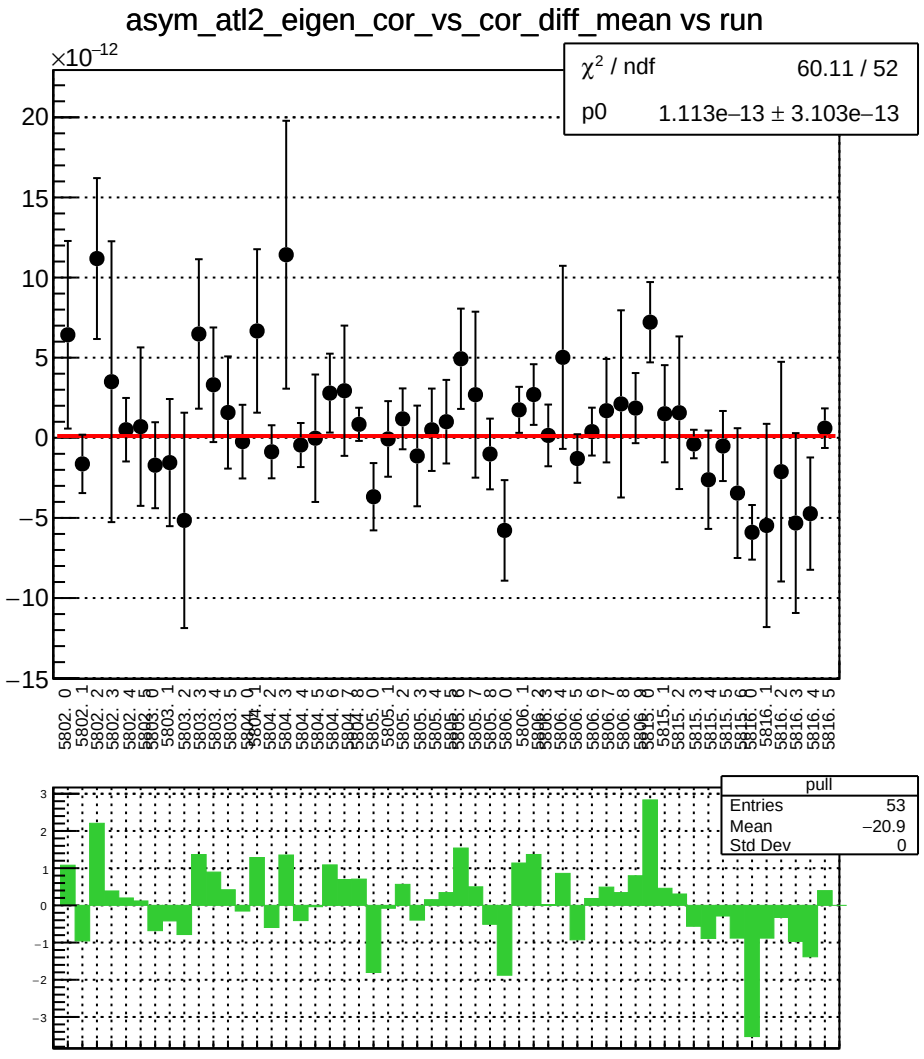

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1631 ± 0.3053
pull
Entries 53
Mean 248.4
Std Dev 0
pull1D
Entries 53
Mean −0.004981
Std Dev 0.9521

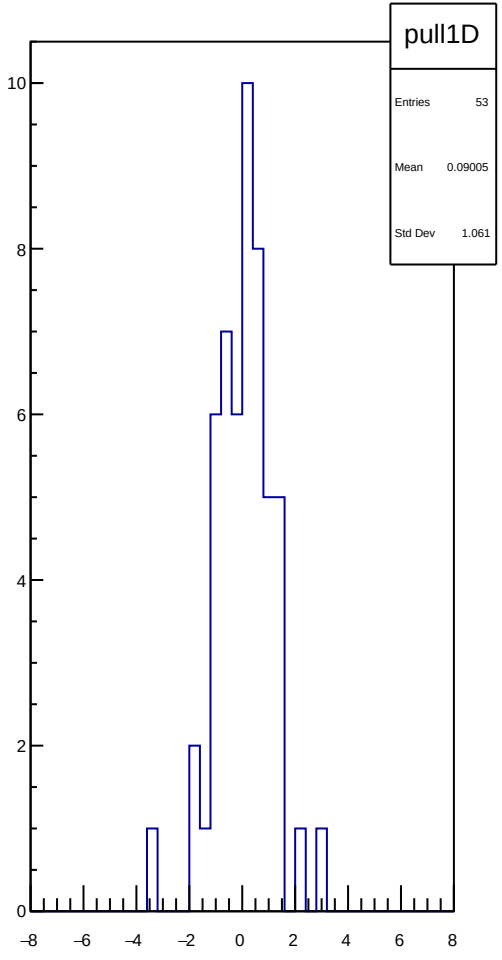

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.777e+04 / 52
p0 210.8 ± 0.2158
400
350
300
250
200
150

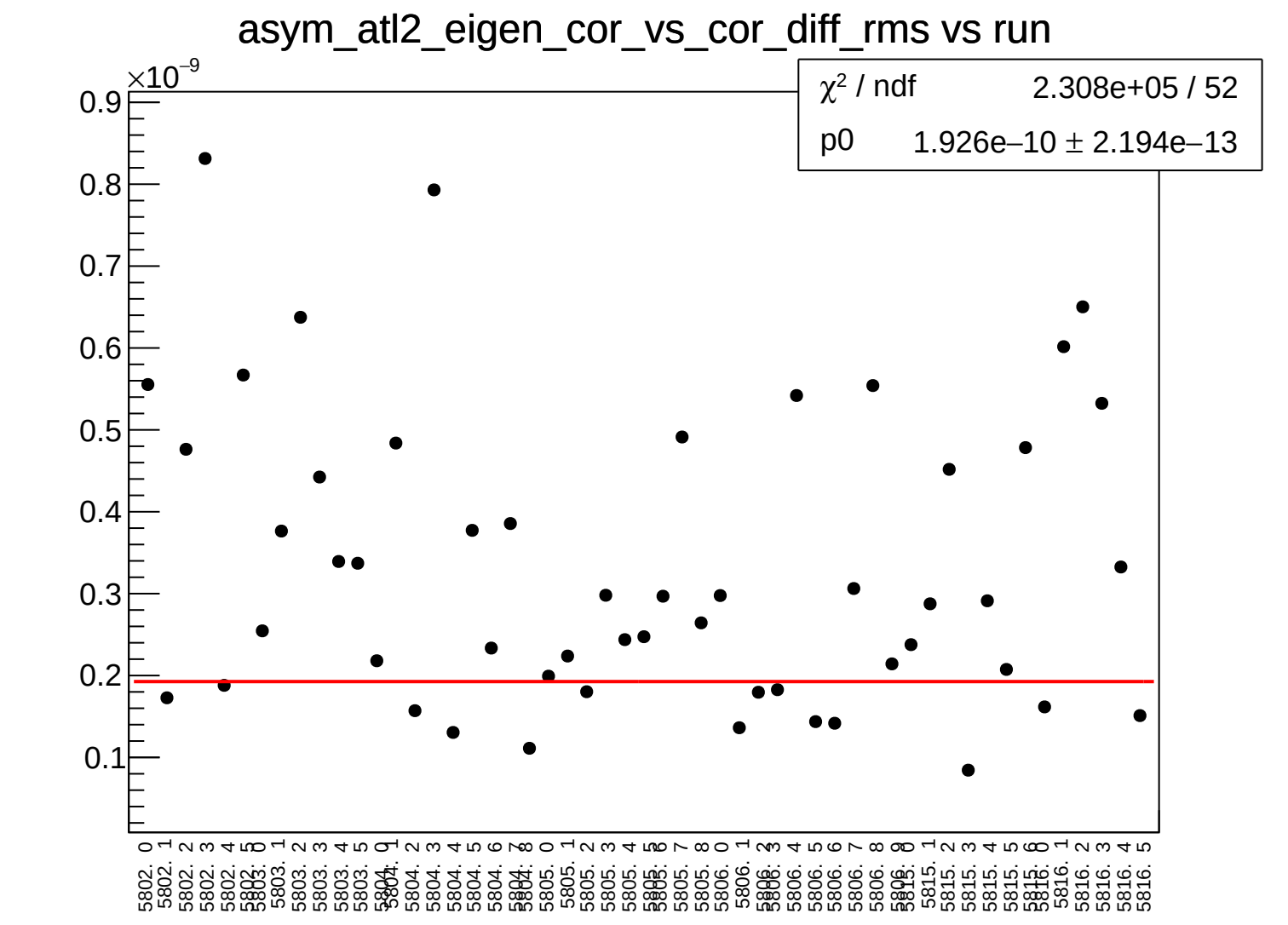

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1631 ± 0.3053
pull
Entries 53
Mean 248.4
Std Dev 0

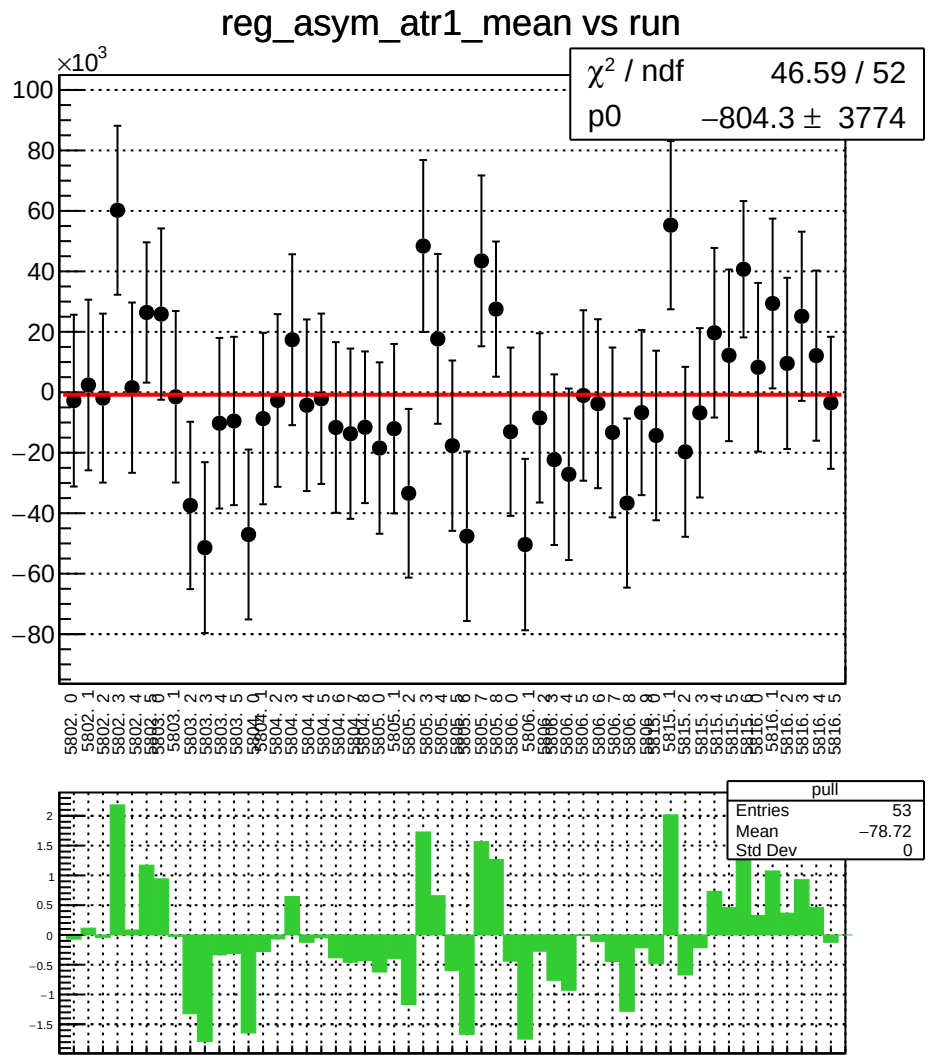

pull1D
Entries 53
Mean −0.004981
Std Dev 0.9521

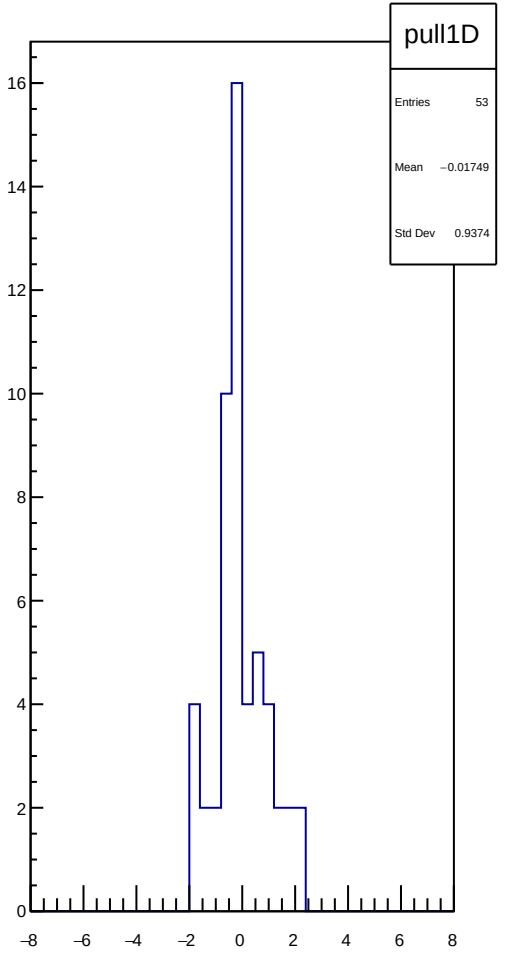

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.777e+04 / 52
p0 210.8 ± 0.2158
400
350
300
250
200
150

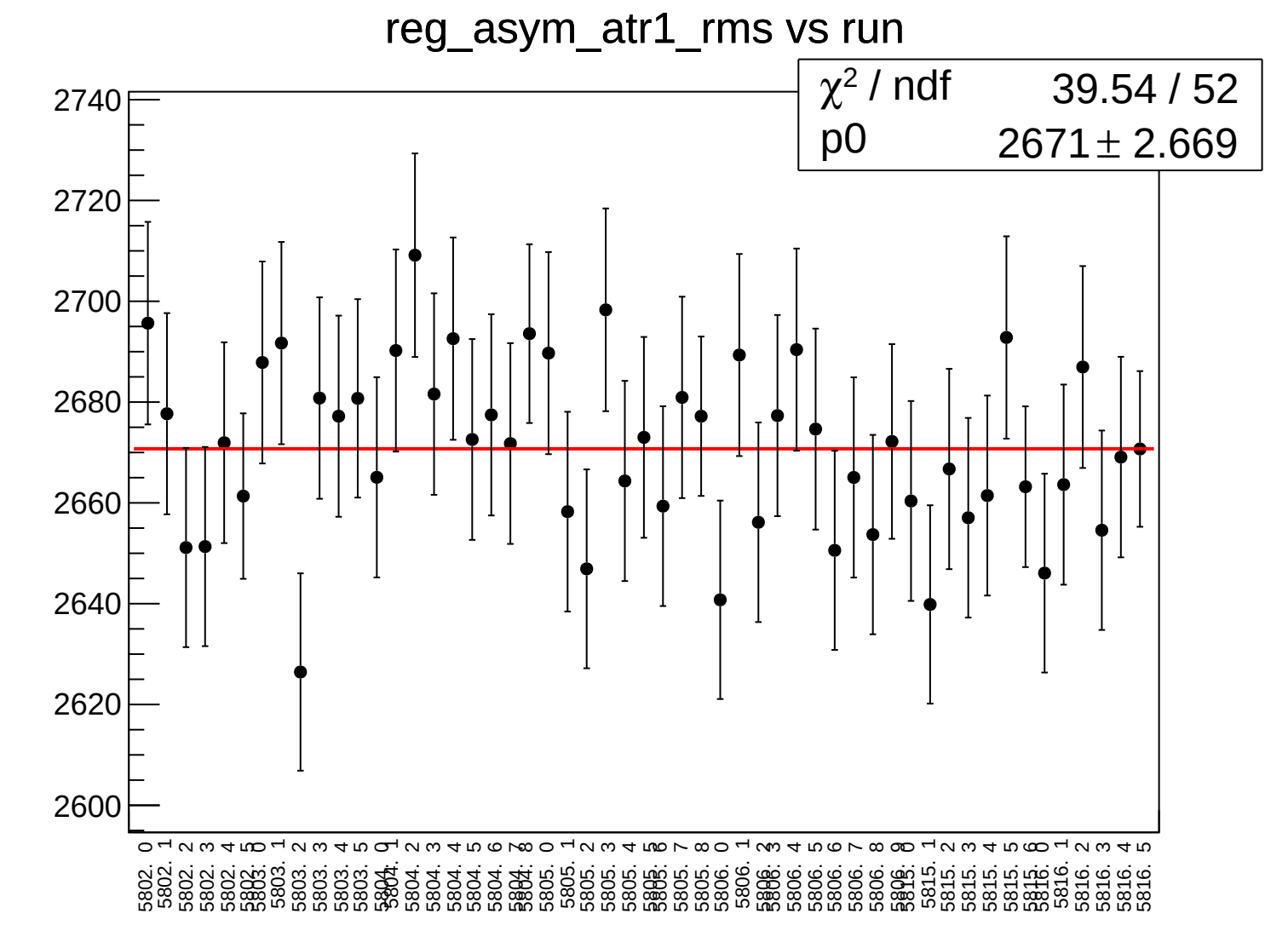

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.11 / 52
p0 1.113e−13 ± 3.103e−13
pull
Entries 53
Mean −20.9
Std Dev 0

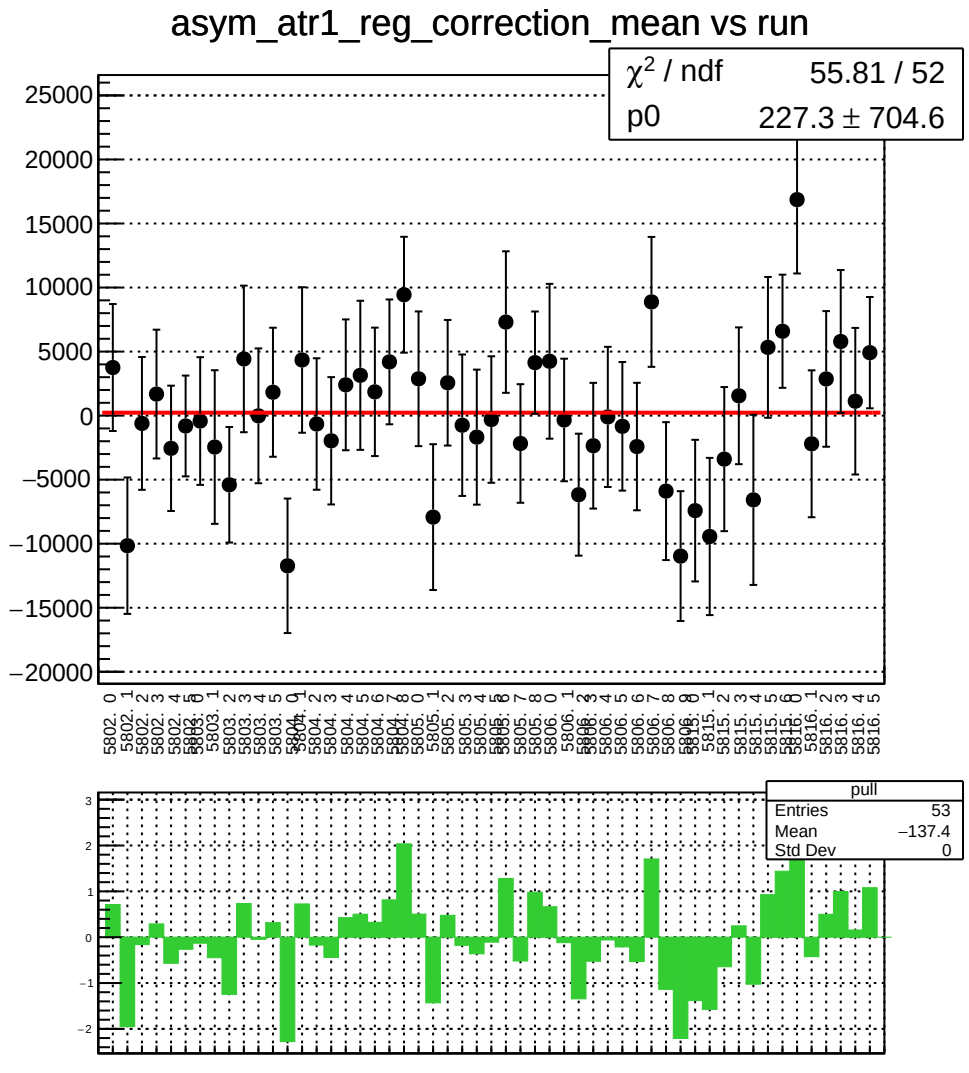

pull1D
Entries 53
Mean 0.09005
Std Dev 1.061

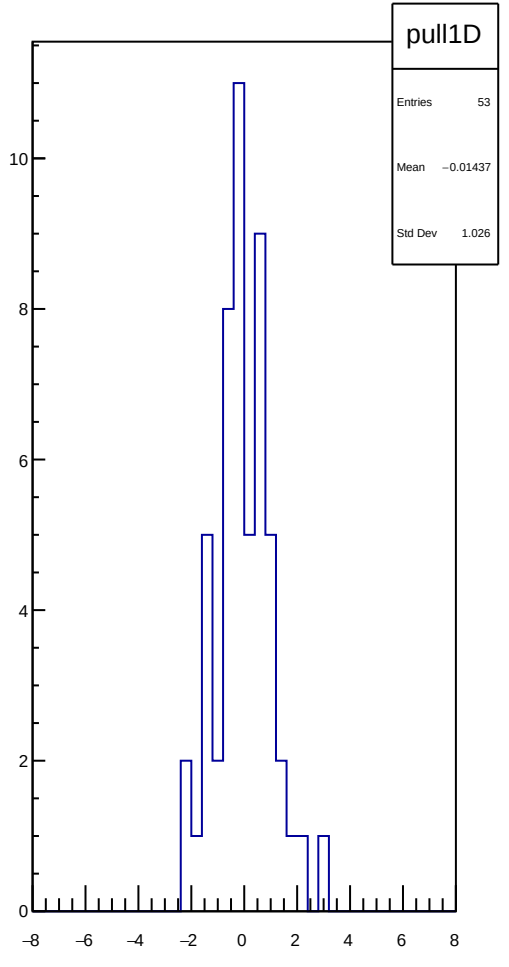

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.308e+05 / 52
p0 1.926e−10 ± 2.194e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

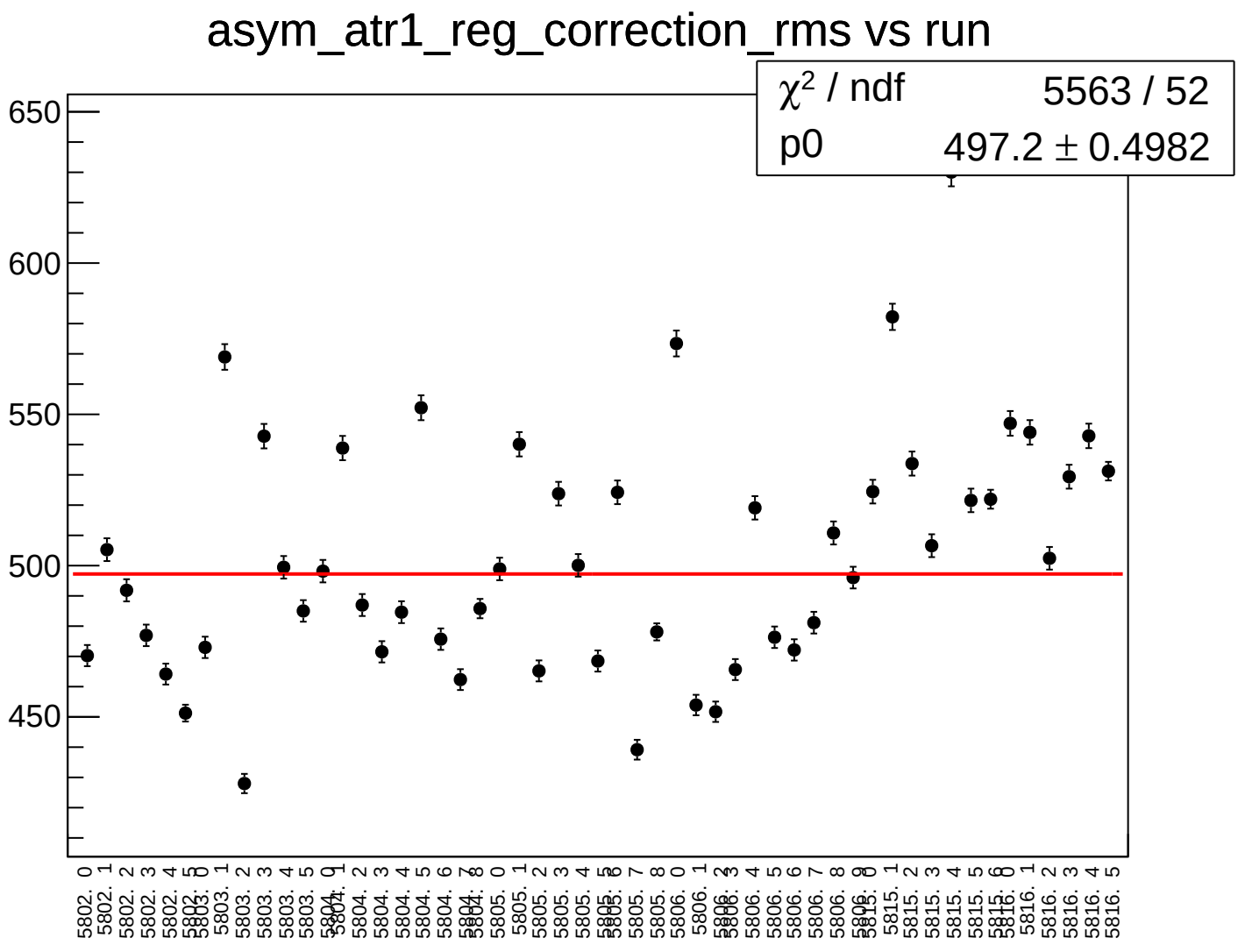

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 46.59 / 52
p0 −804.3 ± 3774
pull
Entries 53
Mean −78.72
Std Dev 0

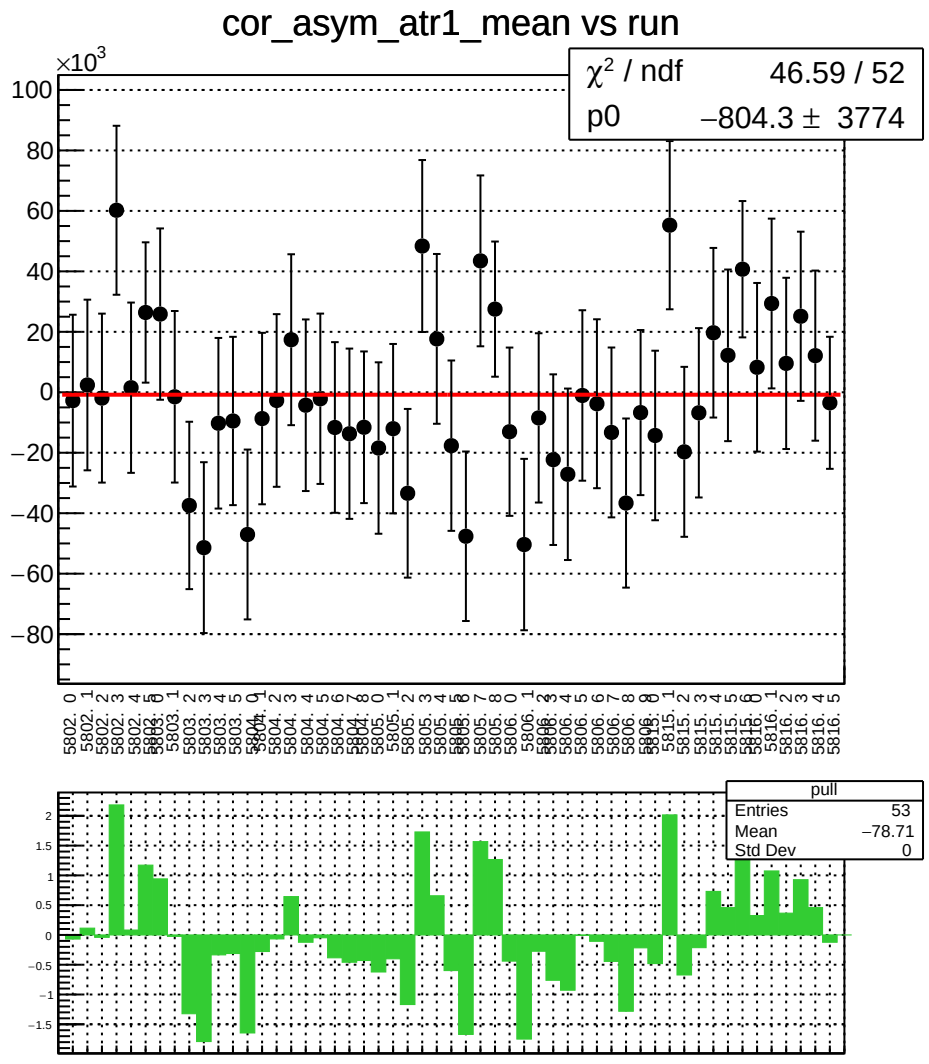

pull1D
Entries 53
Mean −0.01749
Std Dev 0.9374

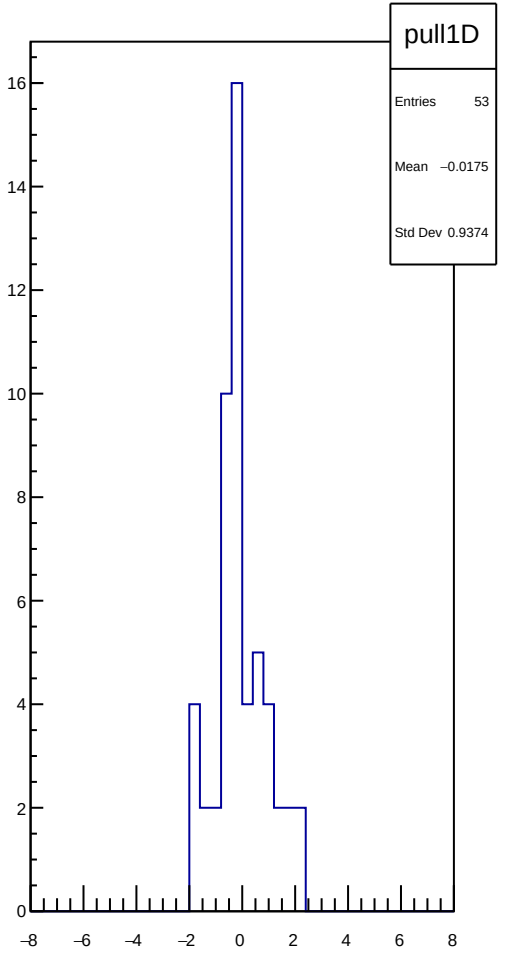

reg_asym_atr1_rms vs run
χ² / ndf 39.54 / 52
p0 2671 ± 2.669
2740
2720
2700
2680
2660
2640
2620
2600

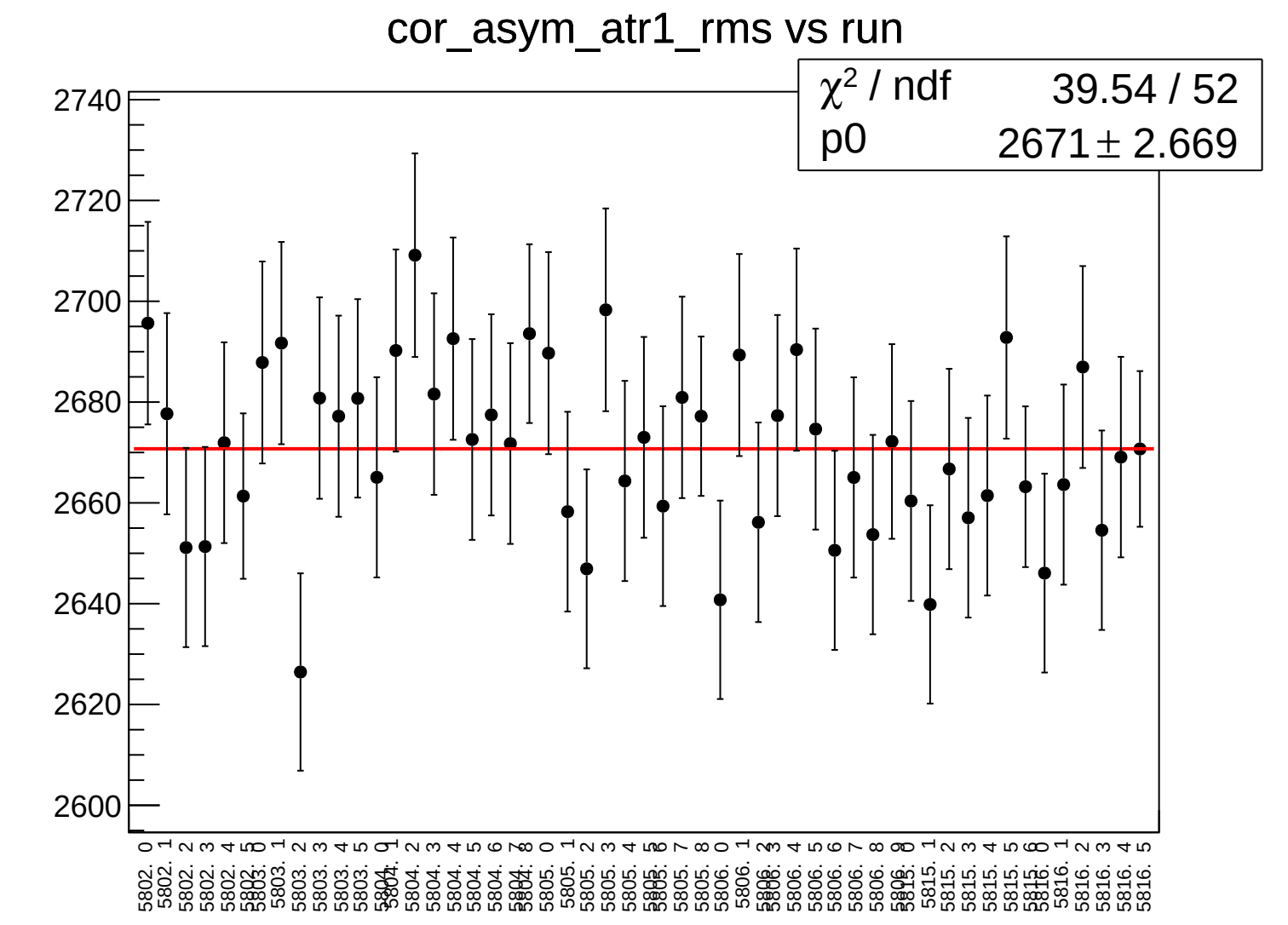

asym_atr1_reg_correction_mean vs run
χ² / ndf 55.81 / 52
p0 227.3 ± 704.6
pull
Entries 53
Mean −137.4
Std Dev 0

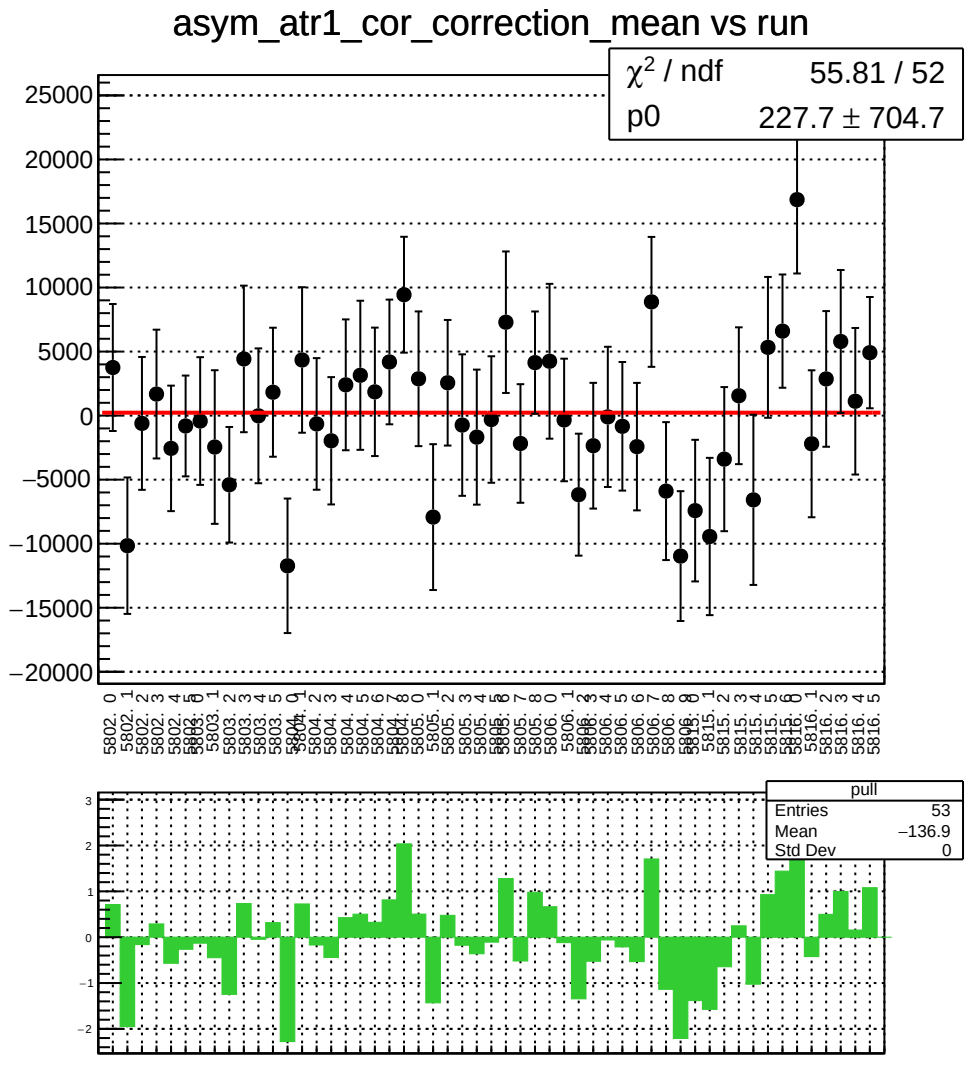

pull1D
Entries 53
Mean −0.01437
Std Dev 1.026

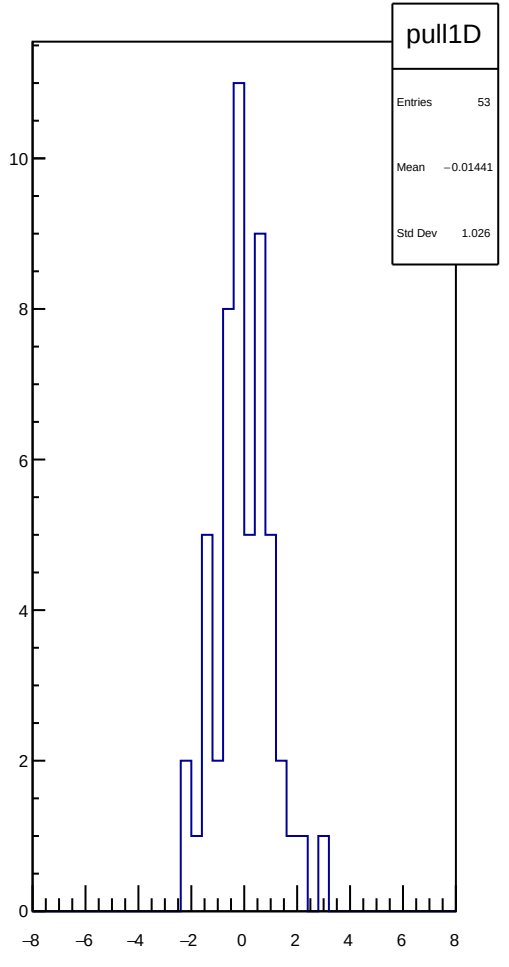

asym_atr1_reg_correction_rms vs run
χ² / ndf 5563 / 52
p0 497.2 ± 0.4982
650
600
550
500
450

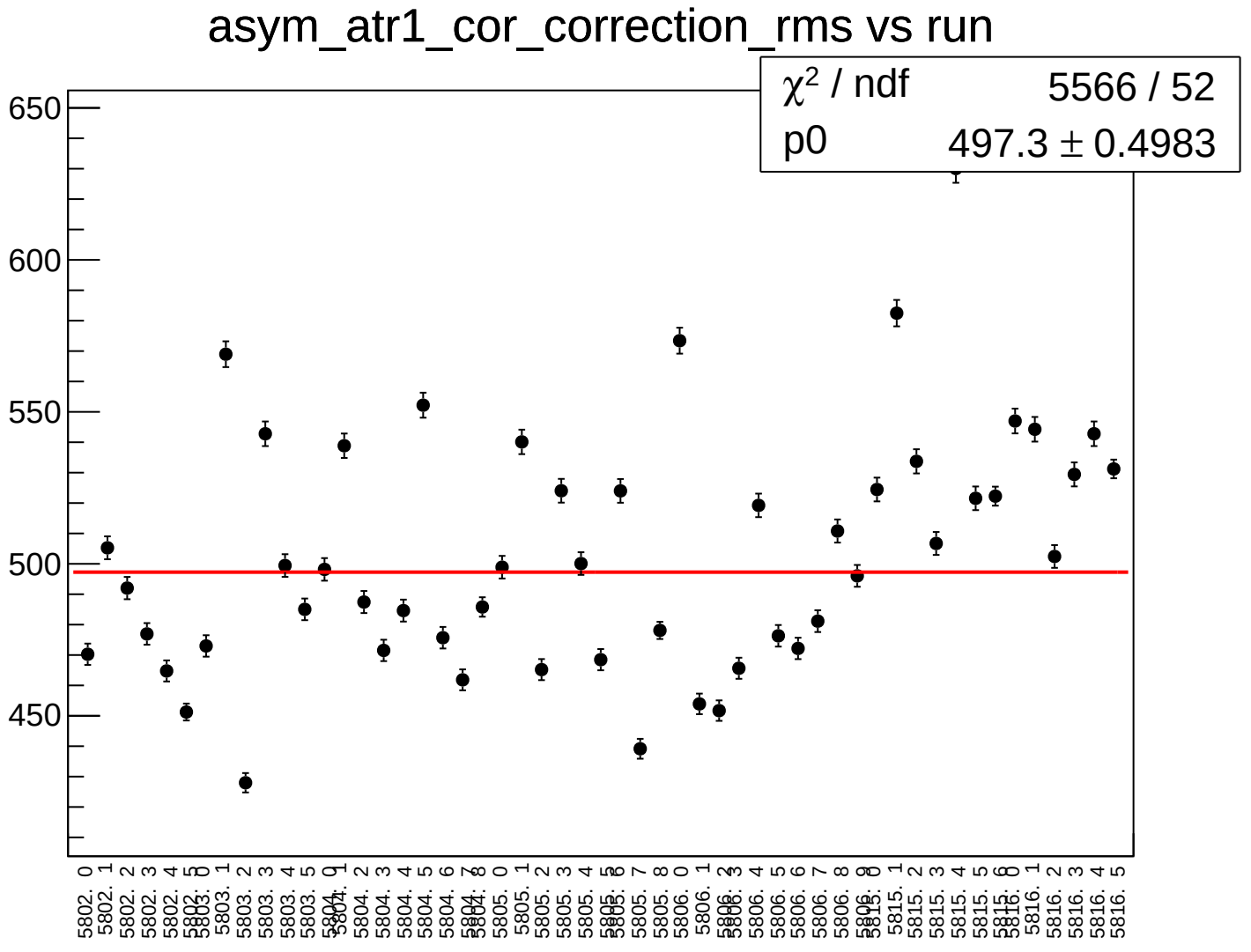

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 46.59 / 52
p0 −804.3 ± 3774
pull
Entries 53
Mean −78.71
Std Dev 0

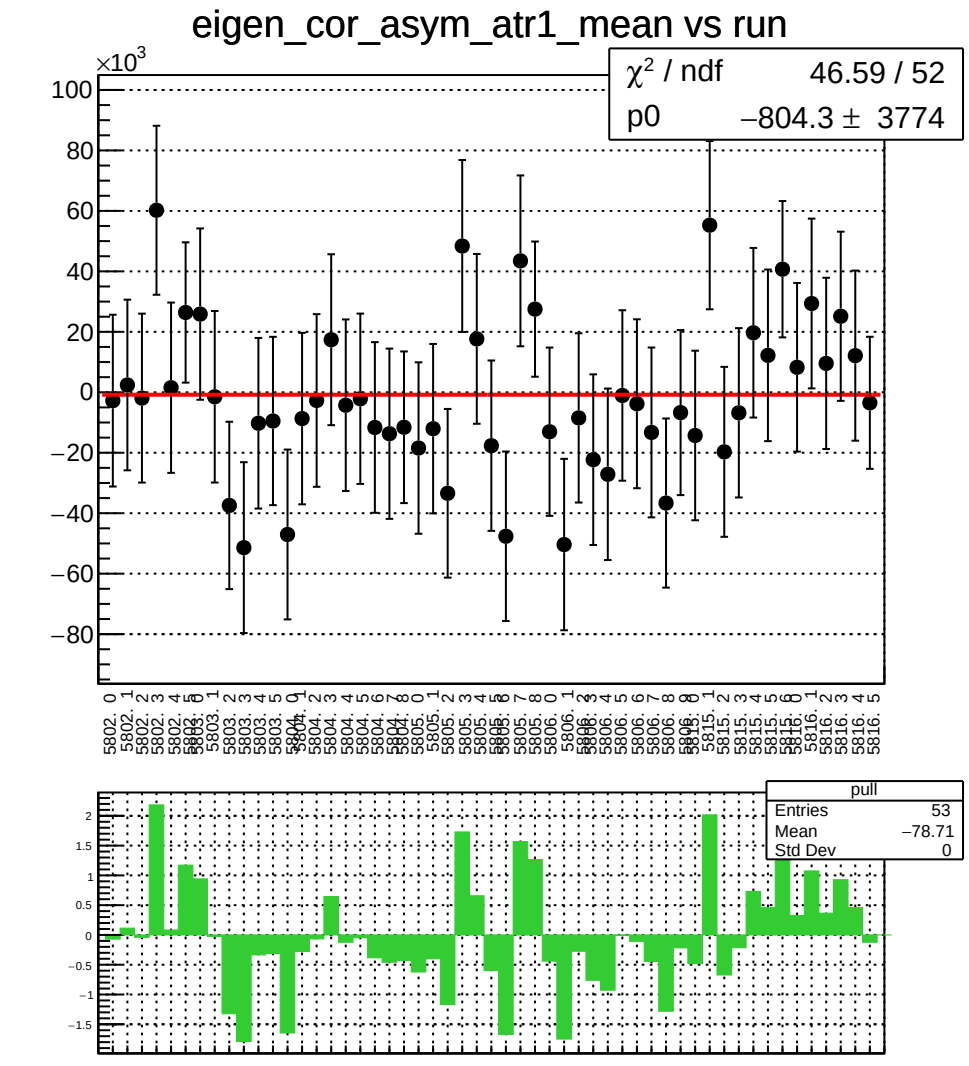

pull1D
Entries 53
Mean −0.0175
Std Dev 0.9374

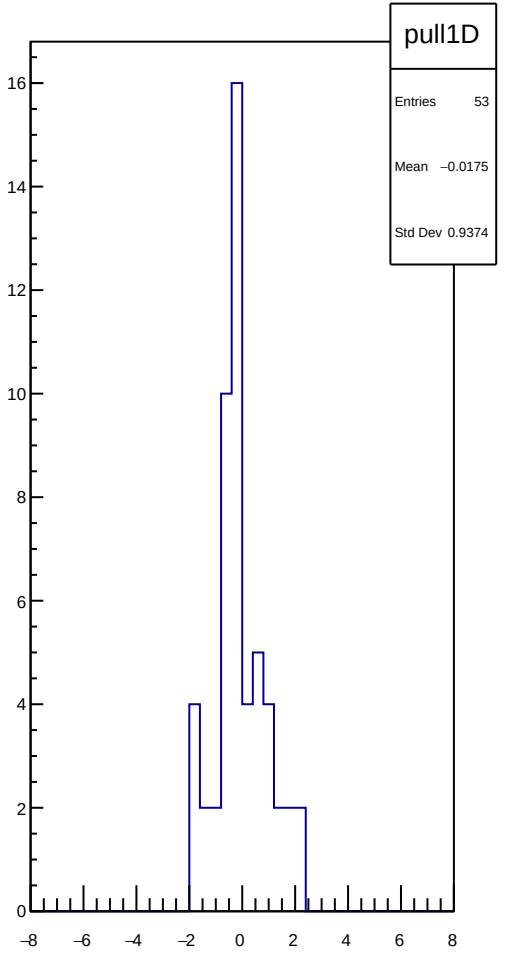

cor_asym_atr1_rms vs run
χ² / ndf 39.54 / 52
p0 2671 ± 2.669
2740
2720
2700
2680
2660
2640
2620
2600

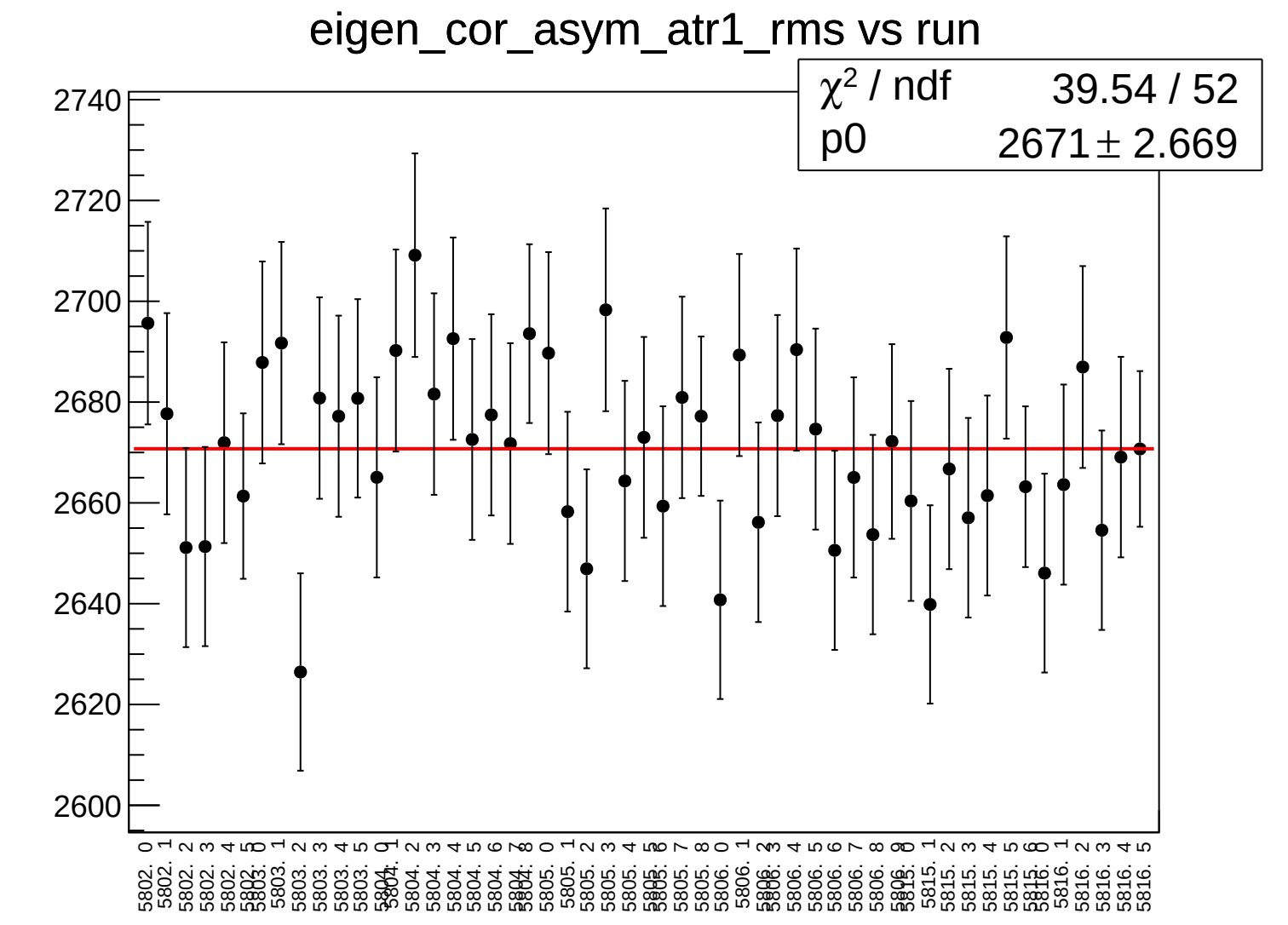

asym_atr1_cor_correction_mean vs run
χ² / ndf 55.81 / 52
p0 227.7 ± 704.7
pull
Entries 53
Mean −136.9
Std Dev 0


pull1D
Entries 53
Mean −0.01441
Std Dev 1.026


asym_atr1_cor_correction_rms vs run
χ² / ndf 5566 / 52
p0 497.3 ± 0.4983
650
600
550
500
450


eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 46.59 / 52
p0 −804.3 ± 3774
pull
Entries 53
Mean −78.71
Std Dev 0


pull1D
Entries 53
Mean −0.0175
Std Dev 0.9374


eigen_cor_asym_atr1_rms vs run
χ² / ndf 39.54 / 52
p0 2671 ± 2.669
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2720
2700
2680
2660
2640
2620
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
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5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
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5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 3
5815. 4
5815. 5
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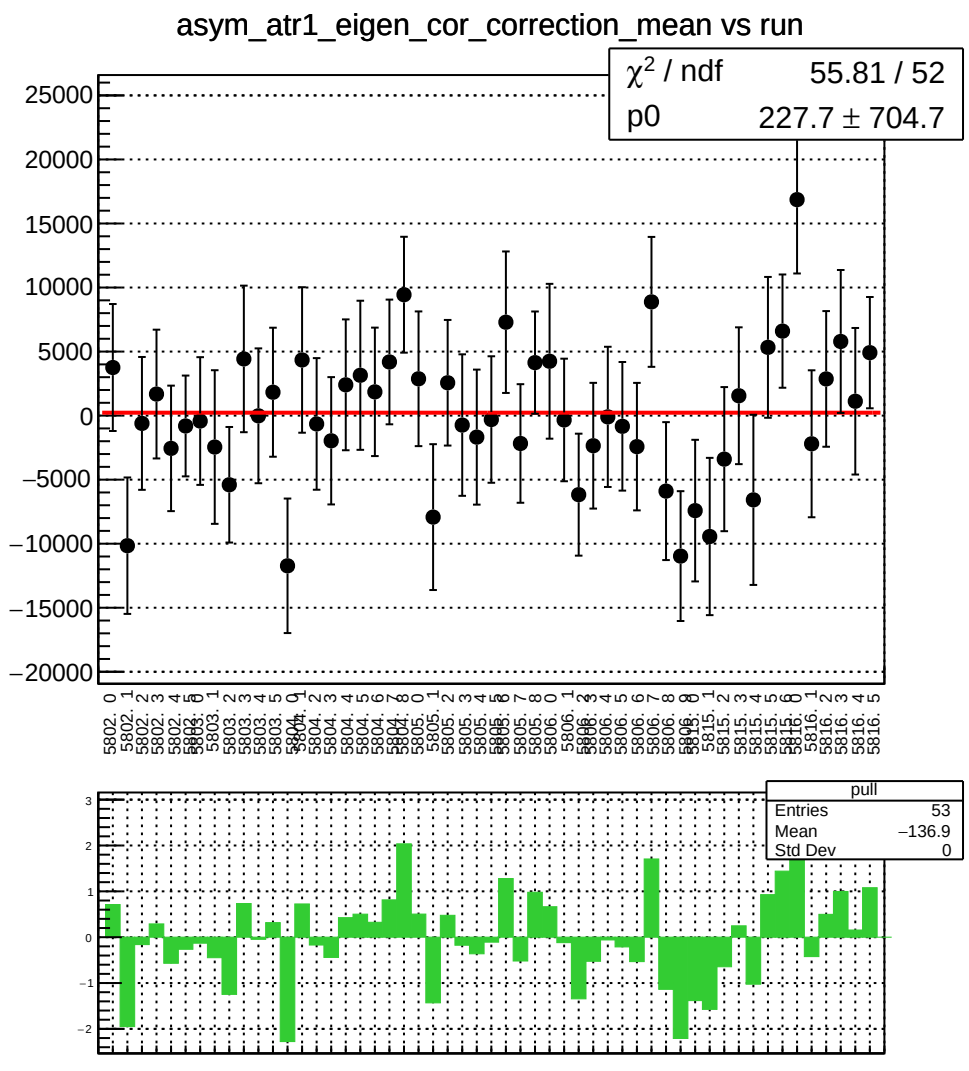
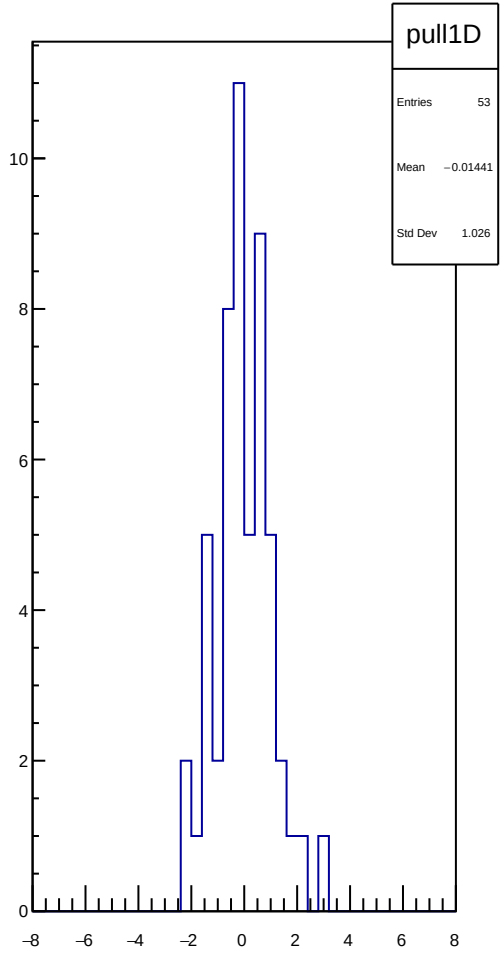
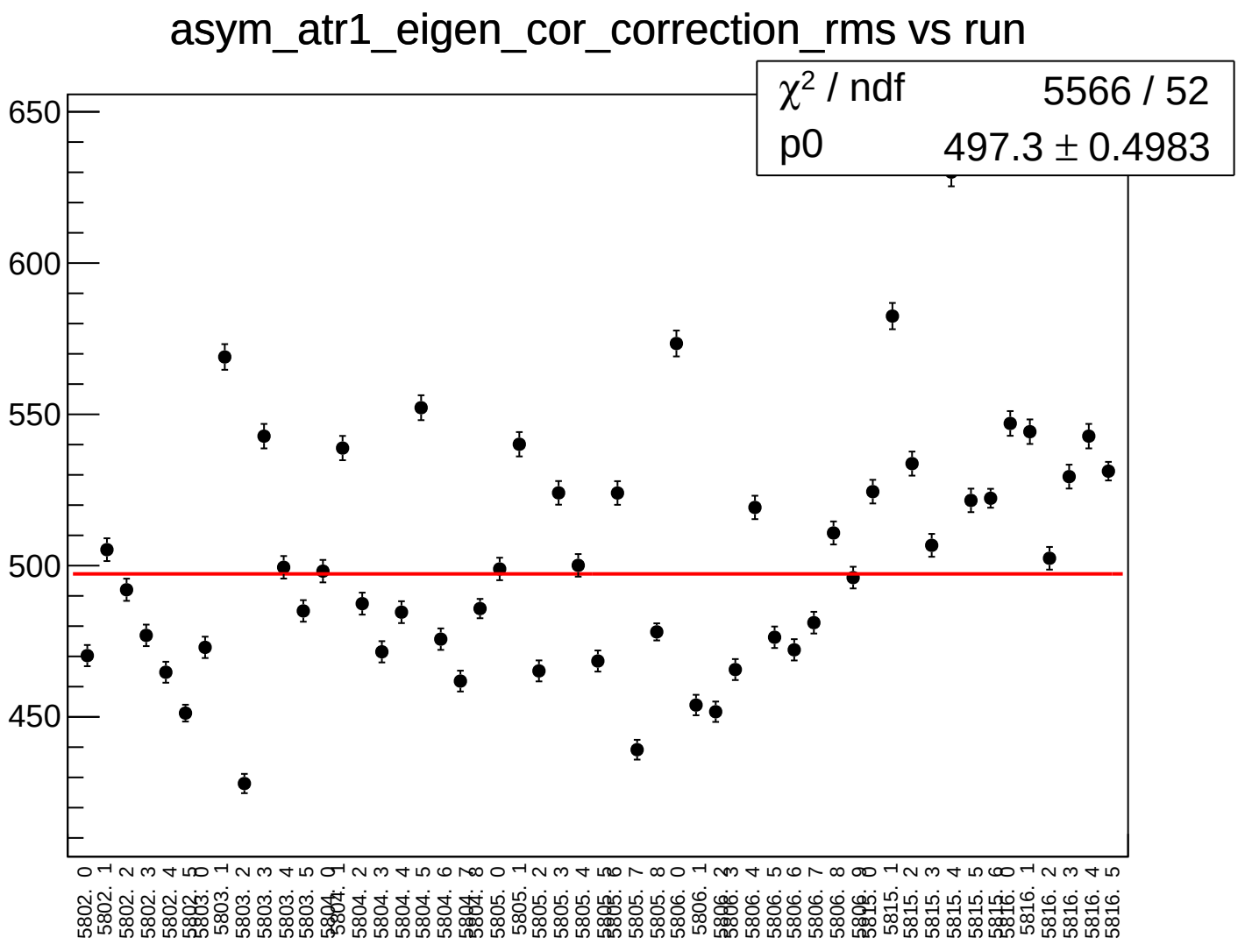
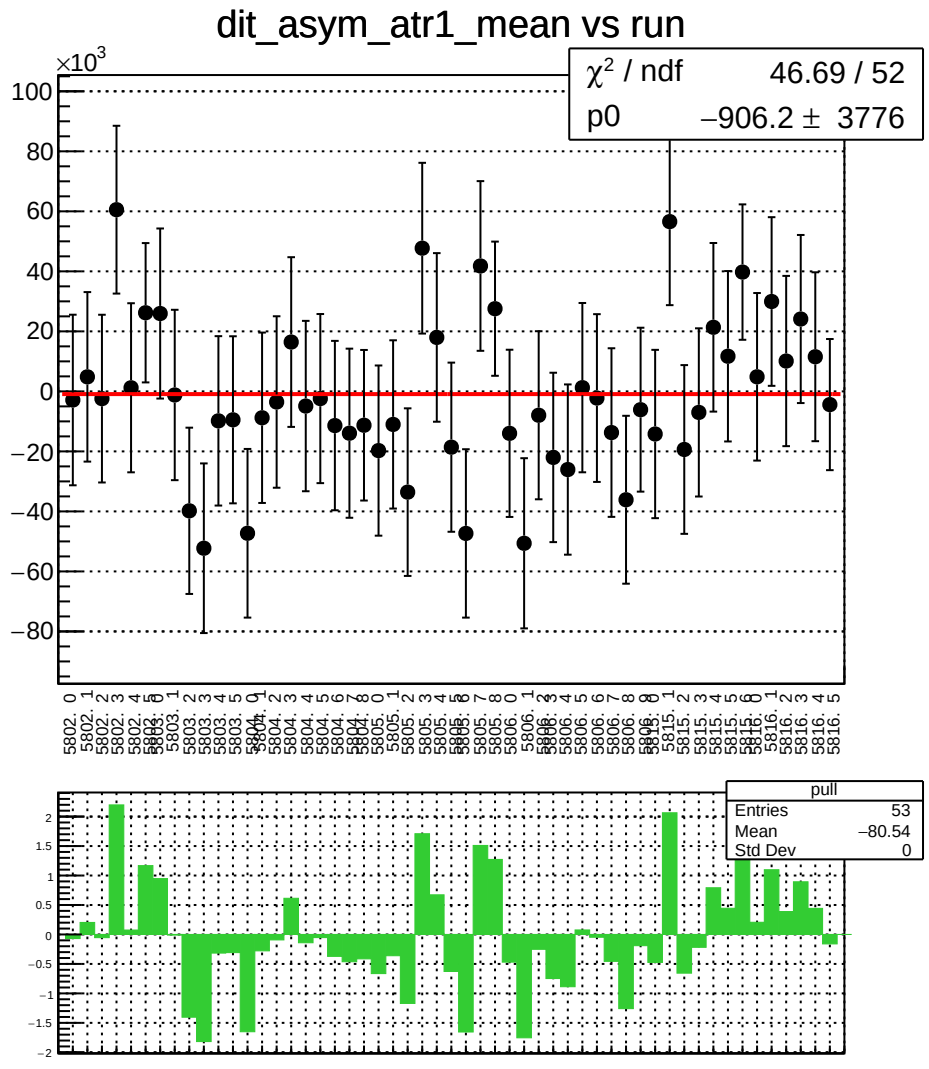
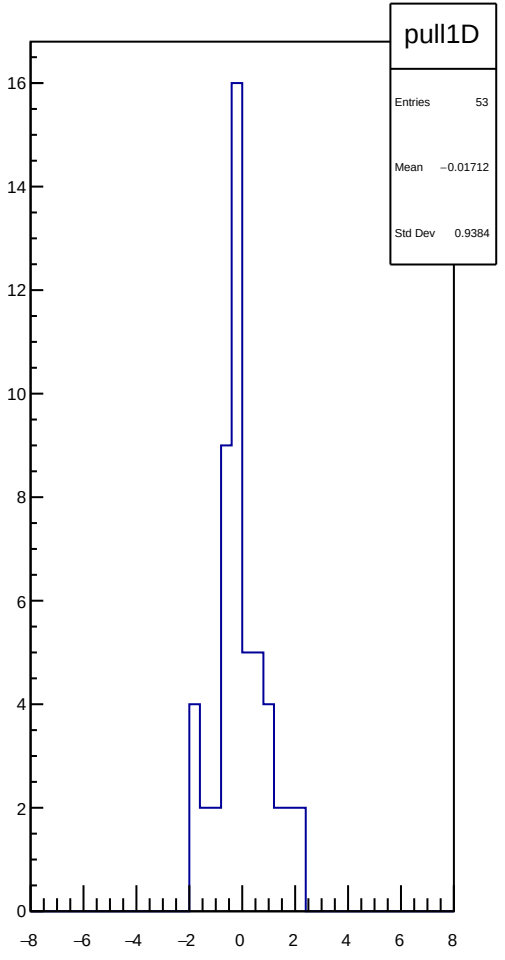
5816. 4
5816. 5

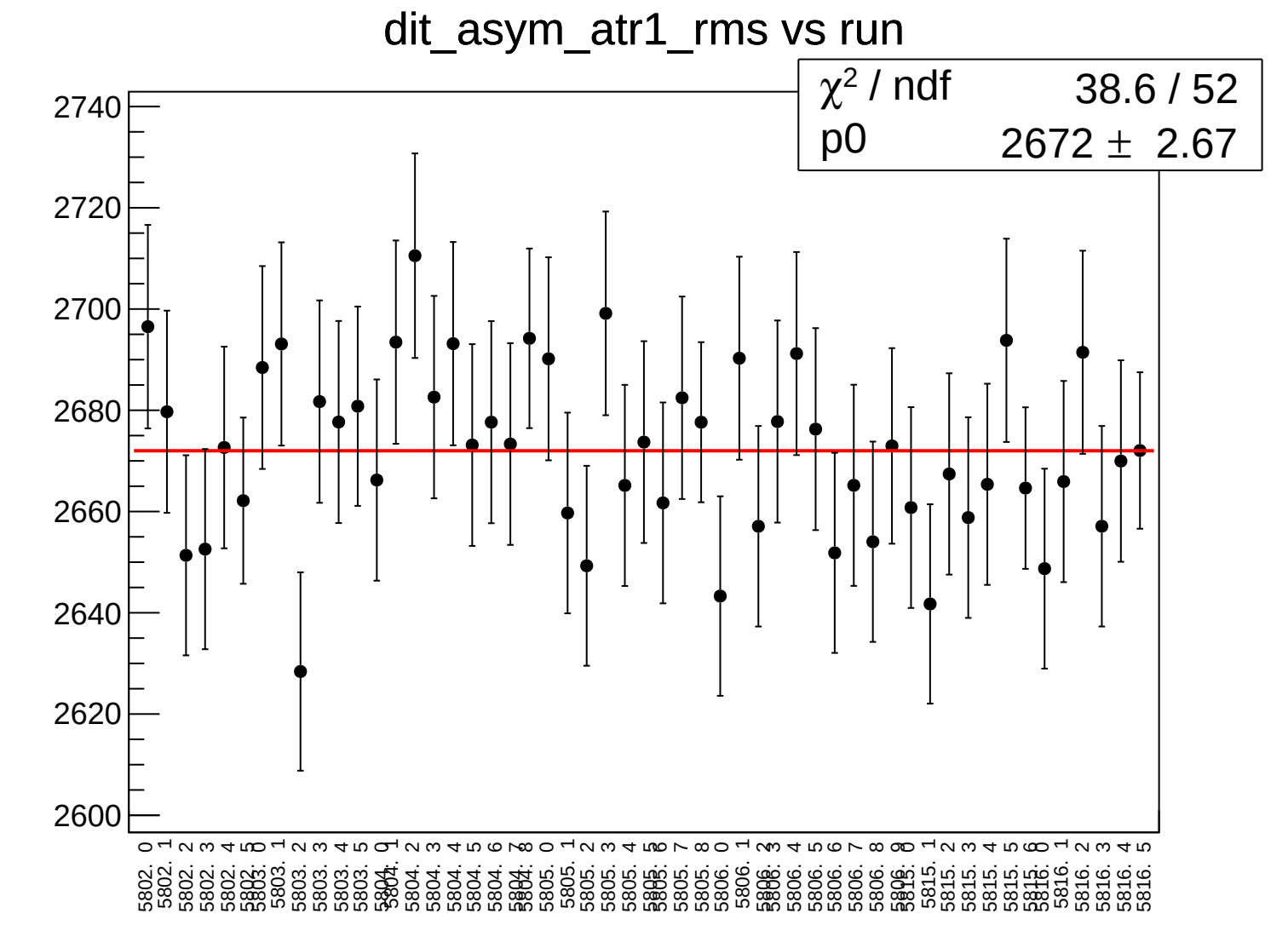

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 55.81 / 52
p0 227.7 ± 704.7
pull
Entries 53
Mean −136.9
Std Dev 0


pull1D
Entries 53
Mean −0.01441
Std Dev 1.026


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 5566 / 52
p0 497.3 ± 0.4983
650
600
550
500
450


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 46.69 / 52
p0 −906.2 ± 3776
pull
Entries 53
Mean −80.54
Std Dev 0


pull1D
Entries 53
Mean −0.01712
Std Dev 0.9384


dit_asym_atr1_rms vs run
χ² / ndf 38.6 / 52
p0 2672 ± 2.67
2740
2720
2700
2680
2660
2640
2620
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
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5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 3
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5815. 5
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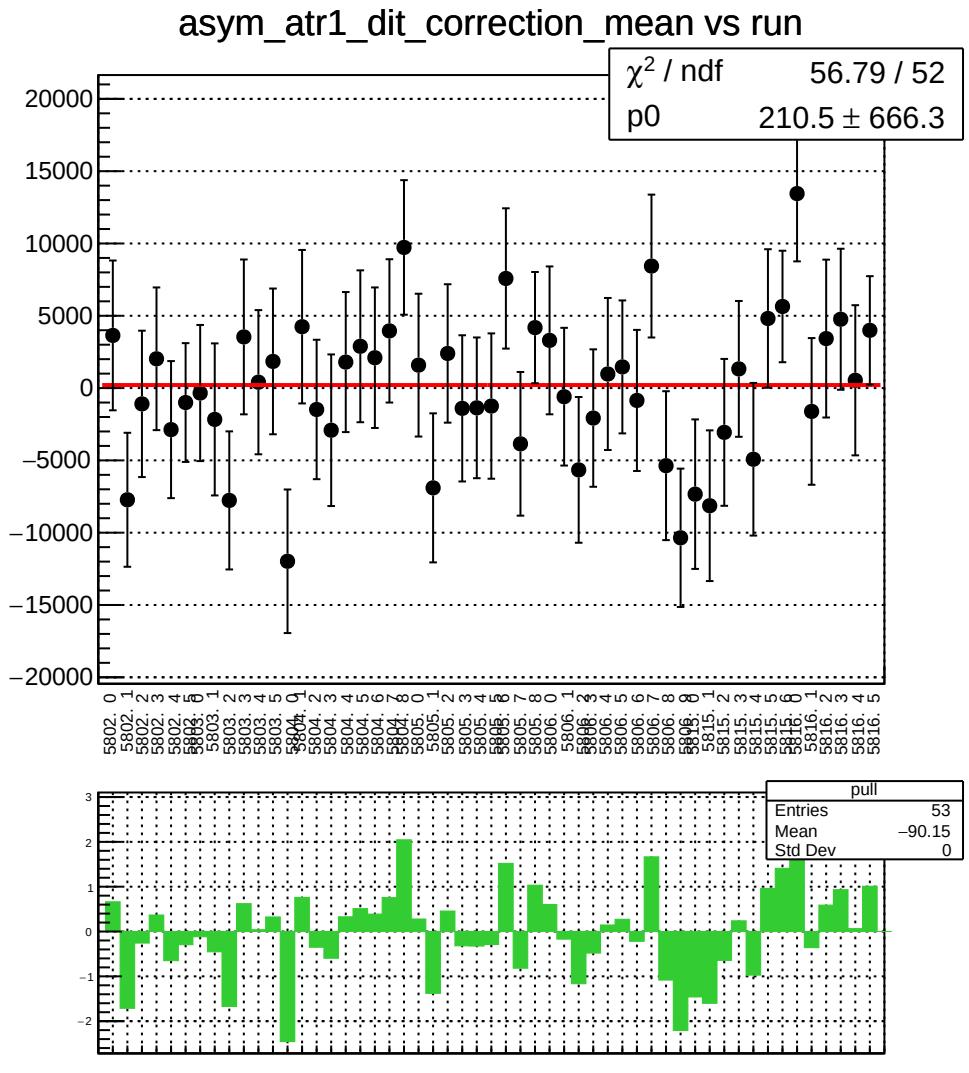
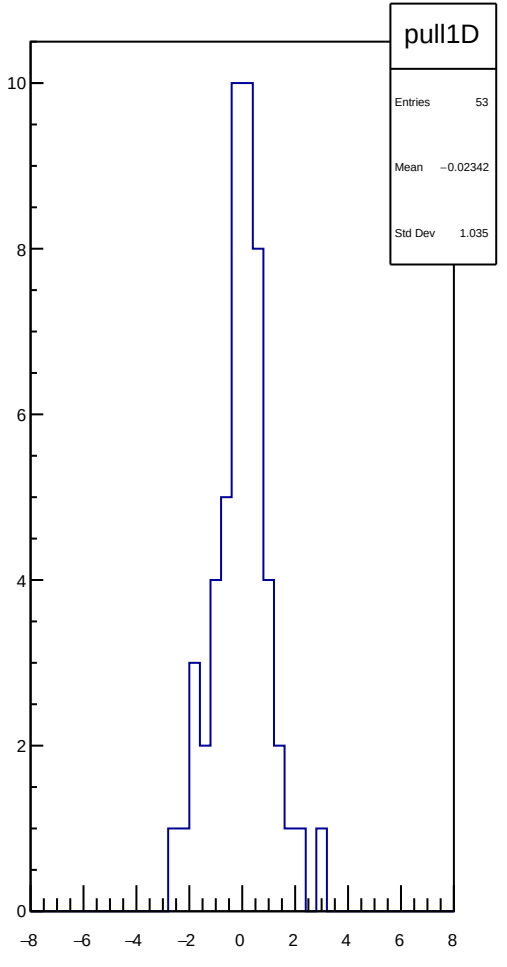
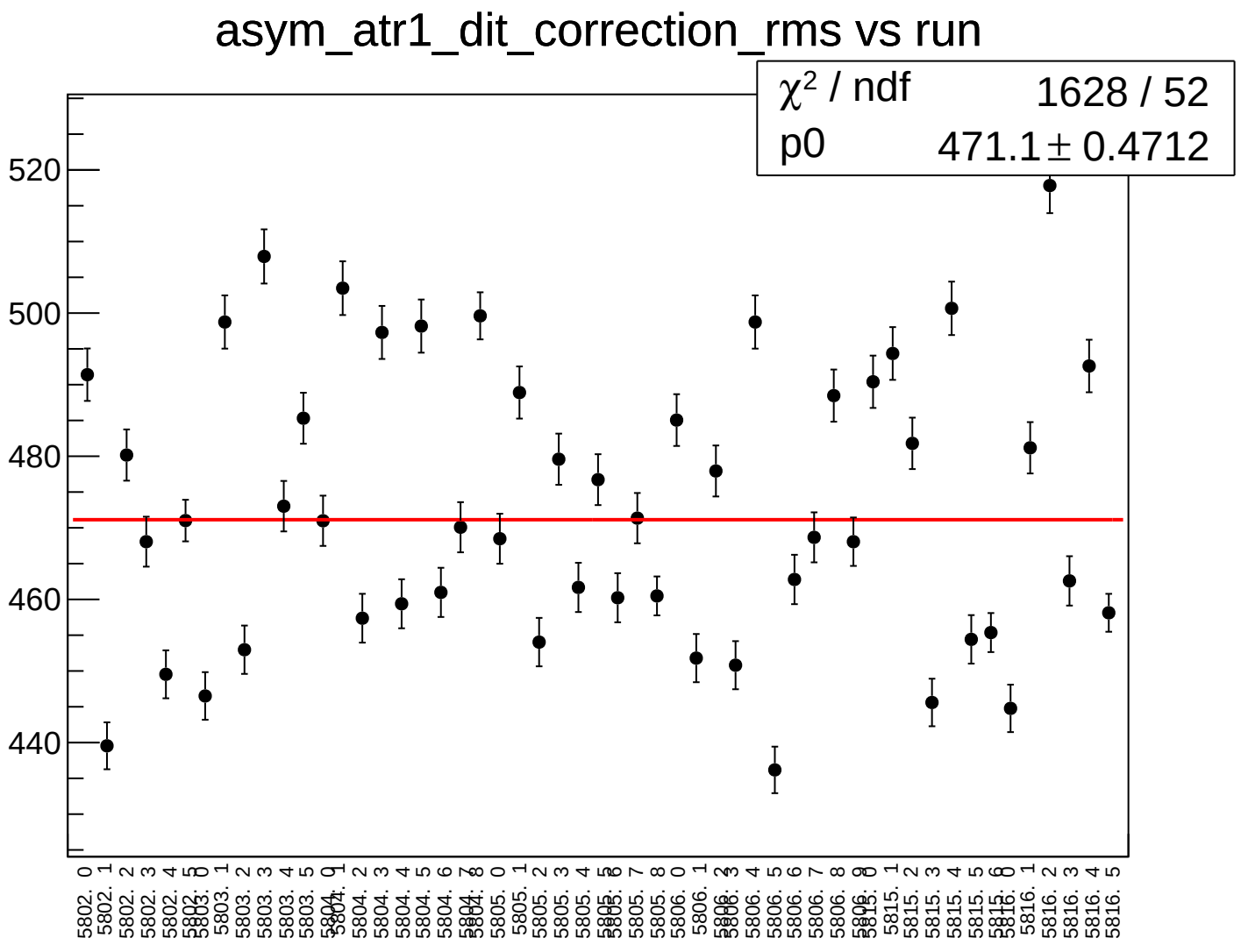
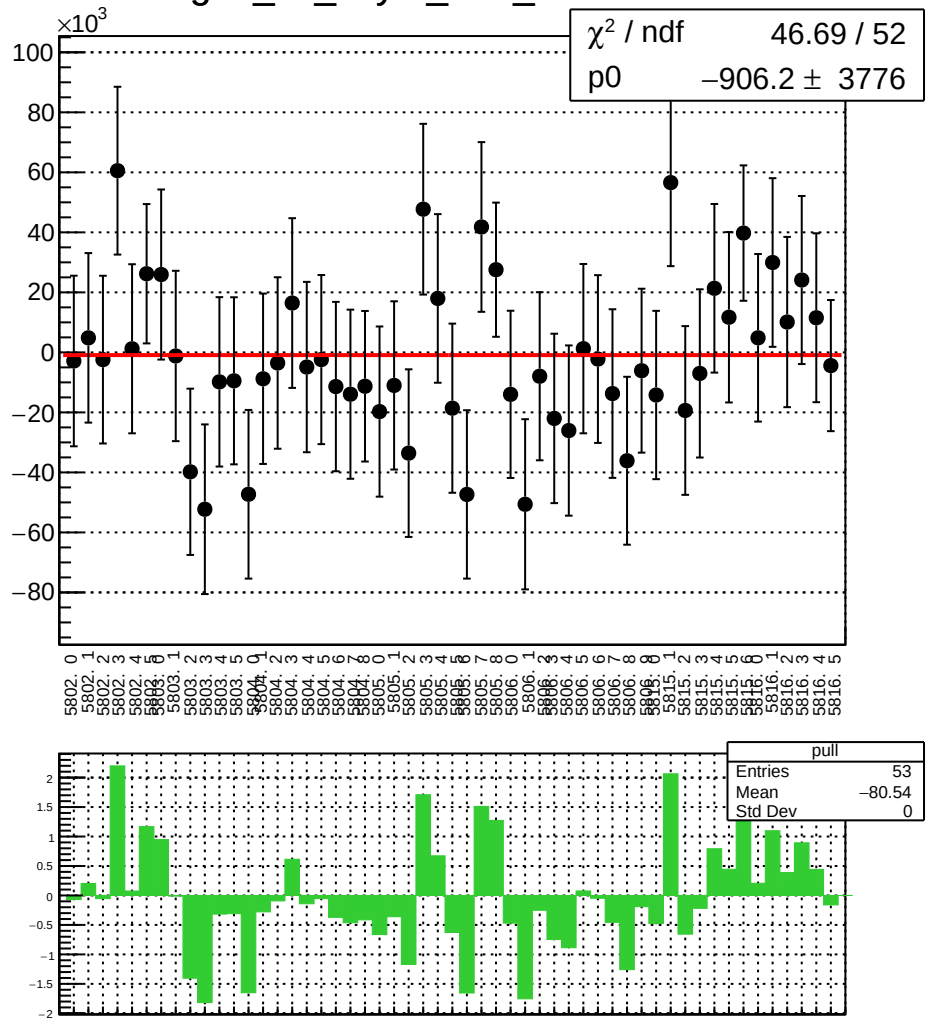
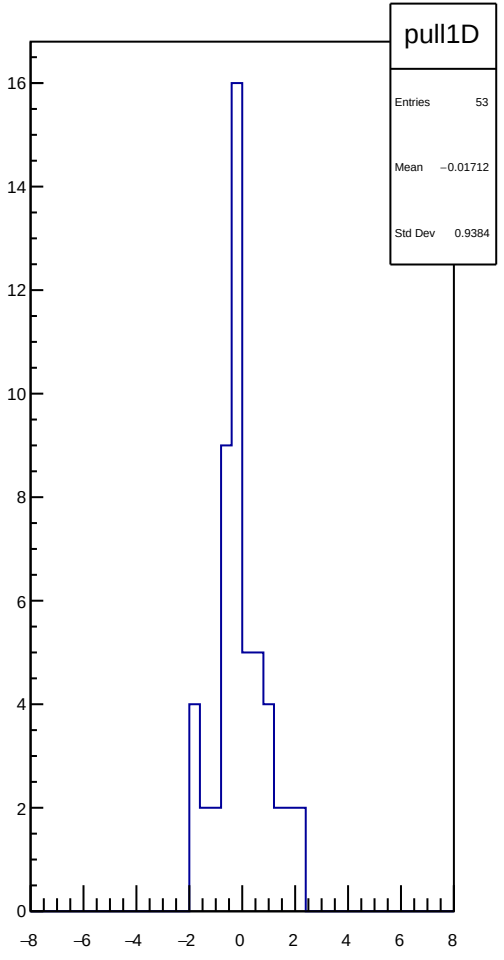
5816. 4
5816. 5

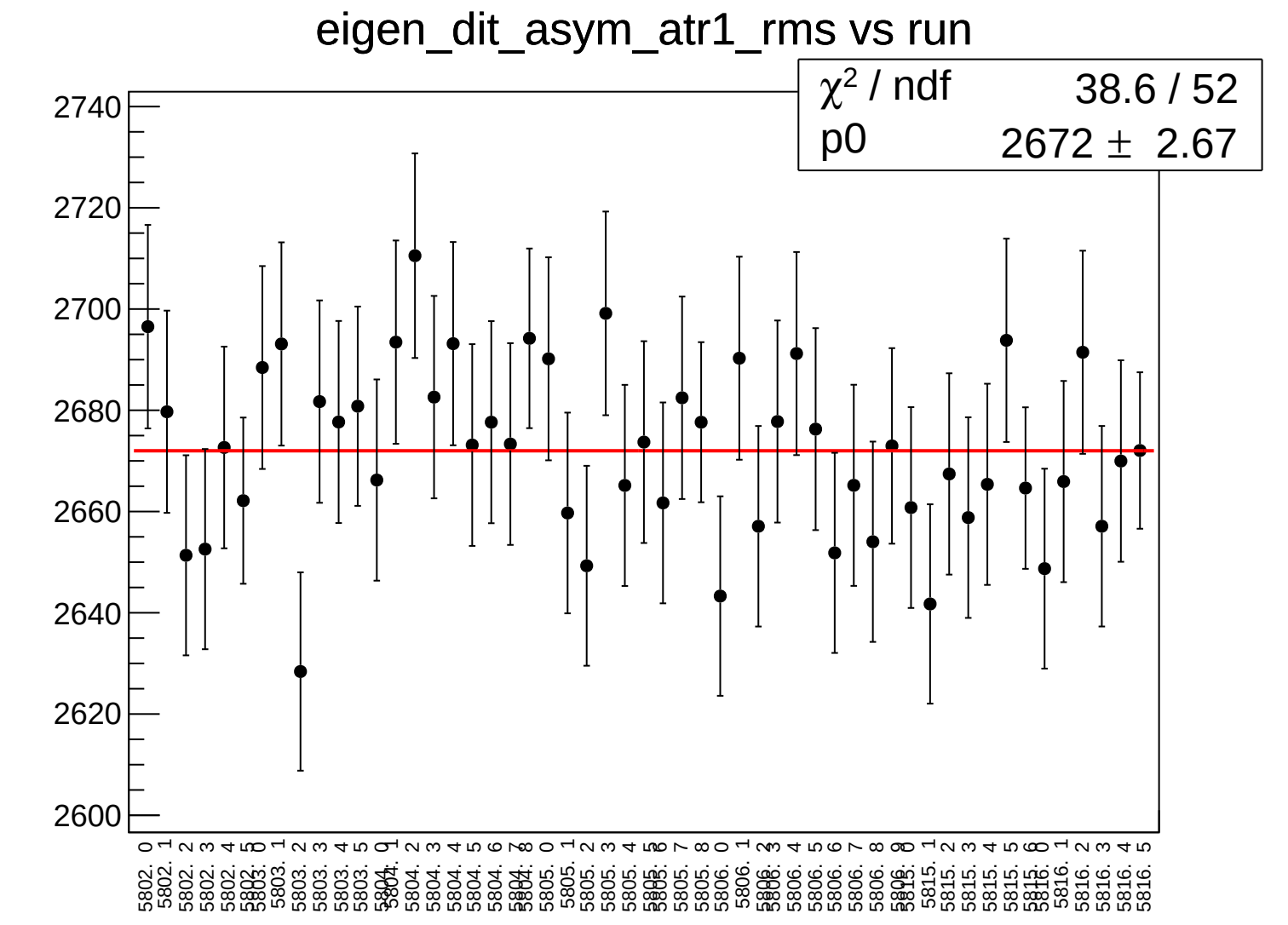

asym_atr1_dit_correction_mean vs run
χ² / ndf 56.79 / 52
p0 210.5 ± 666.3
pull
Entries 53
Mean −90.15
Std Dev 0


pull1D
Entries 53
Mean −0.02342
Std Dev 1.035


asym_atr1_dit_correction_rms vs run
χ² / ndf 1628 / 52
p0 471.1 ± 0.4712
520
500
480
460
440


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 46.69 / 52
p0 −906.2 ± 3776
pull
Entries 53
Mean −80.54
Std Dev 0


pull1D
Entries 53
Mean −0.01712
Std Dev 0.9384


eigen_dit_asym_atr1_rms vs run
χ² / ndf 38.6 / 52
p0 2672 ± 2.67
2740
2720
2700
2680
2660
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5802. 2
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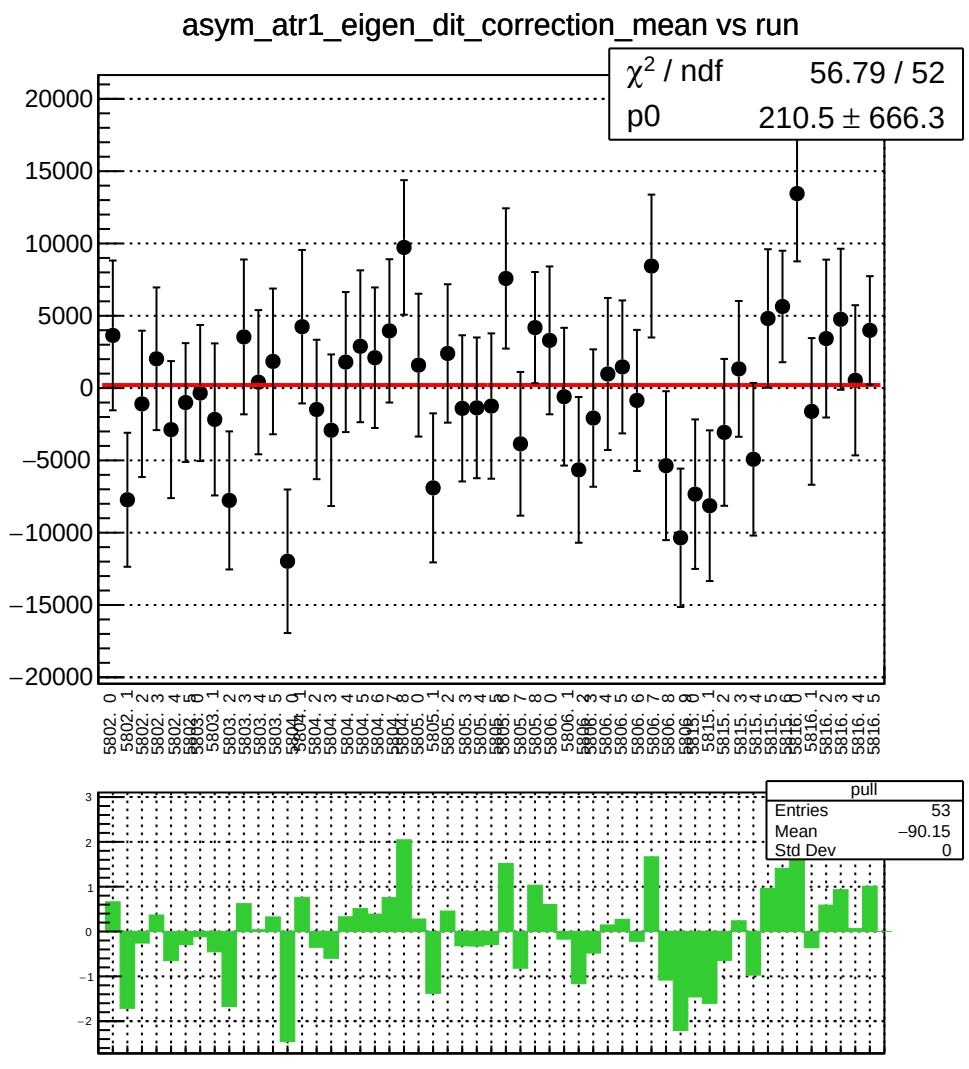
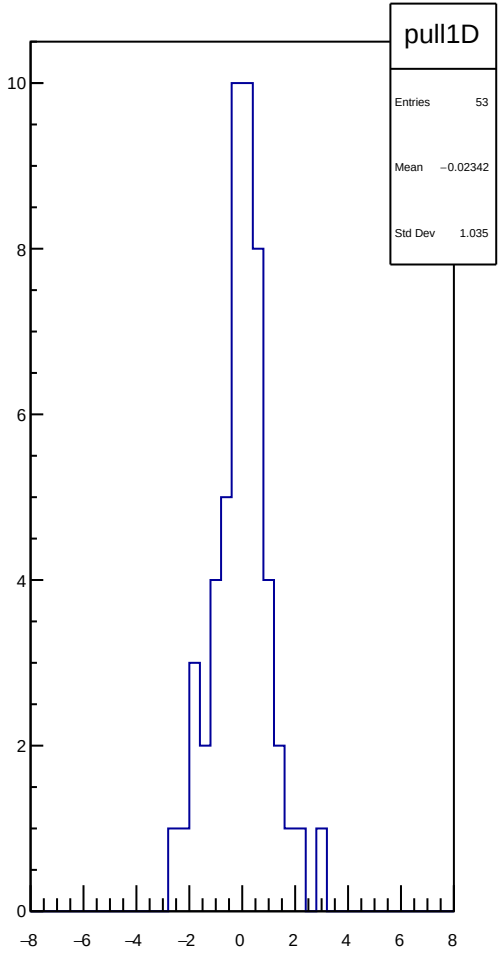
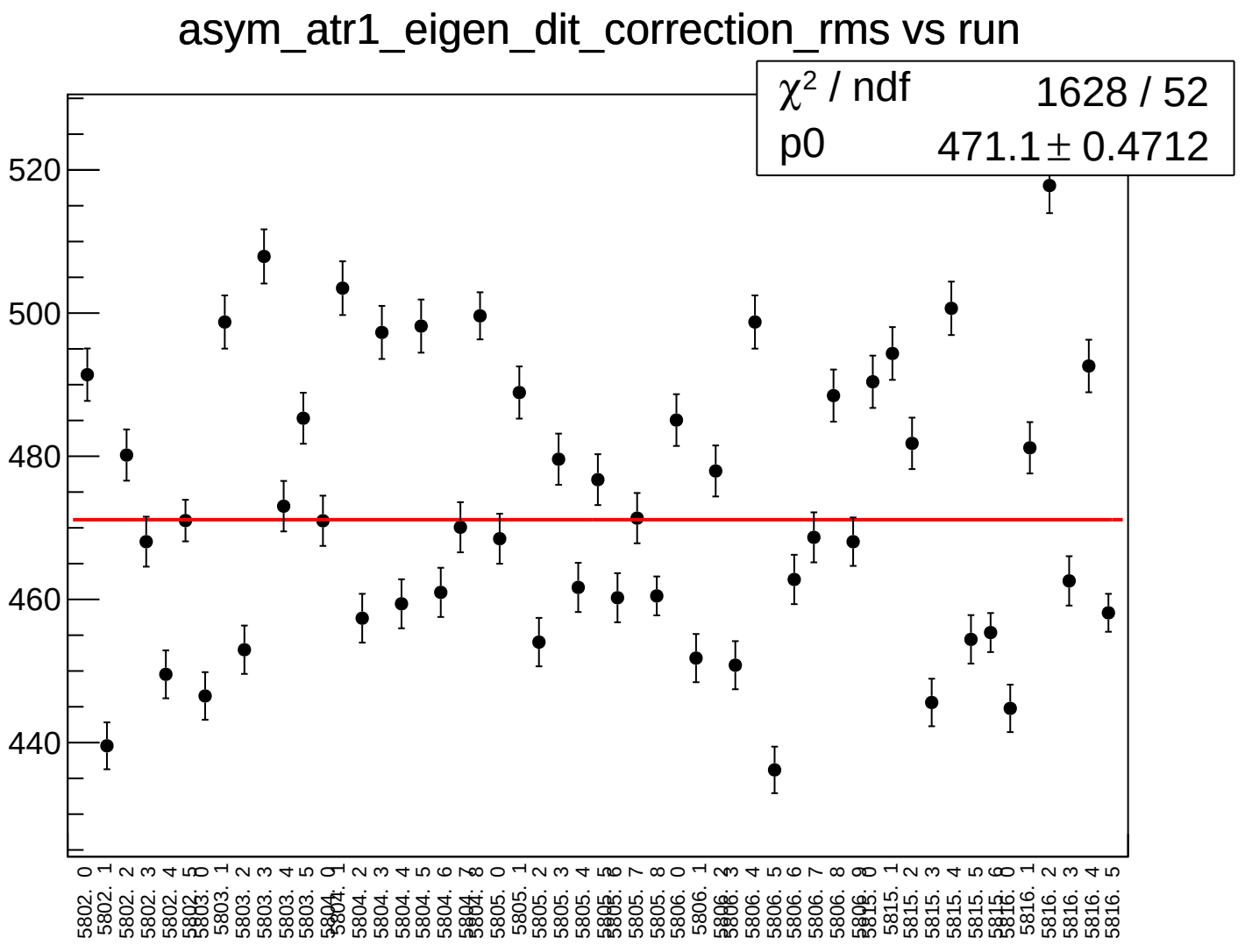
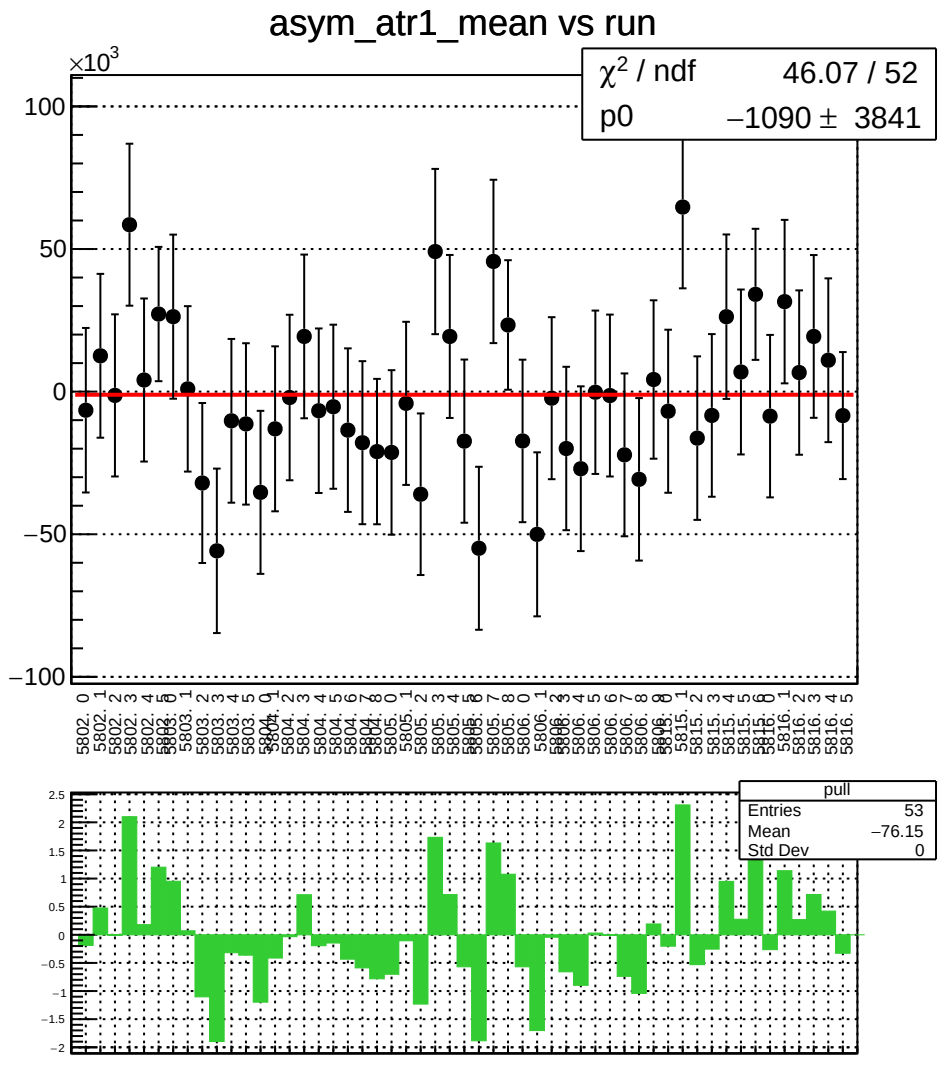
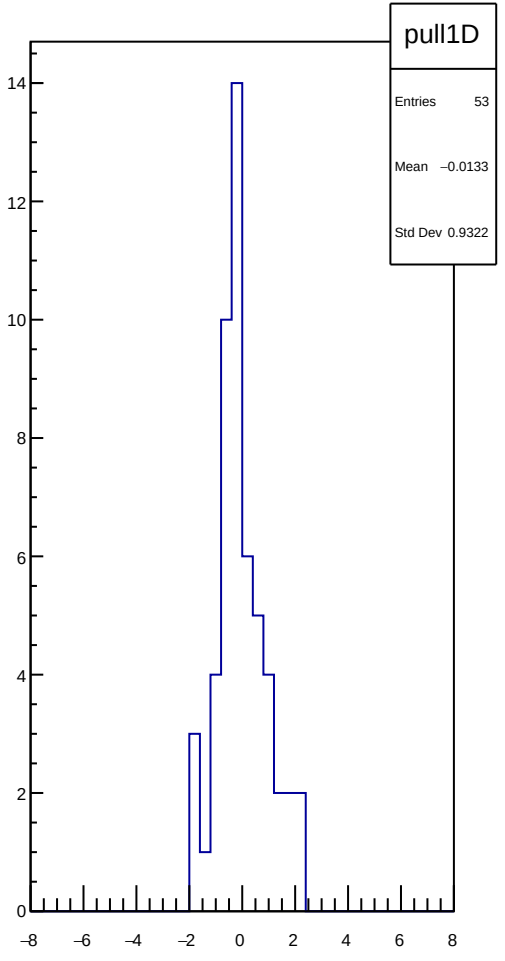
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

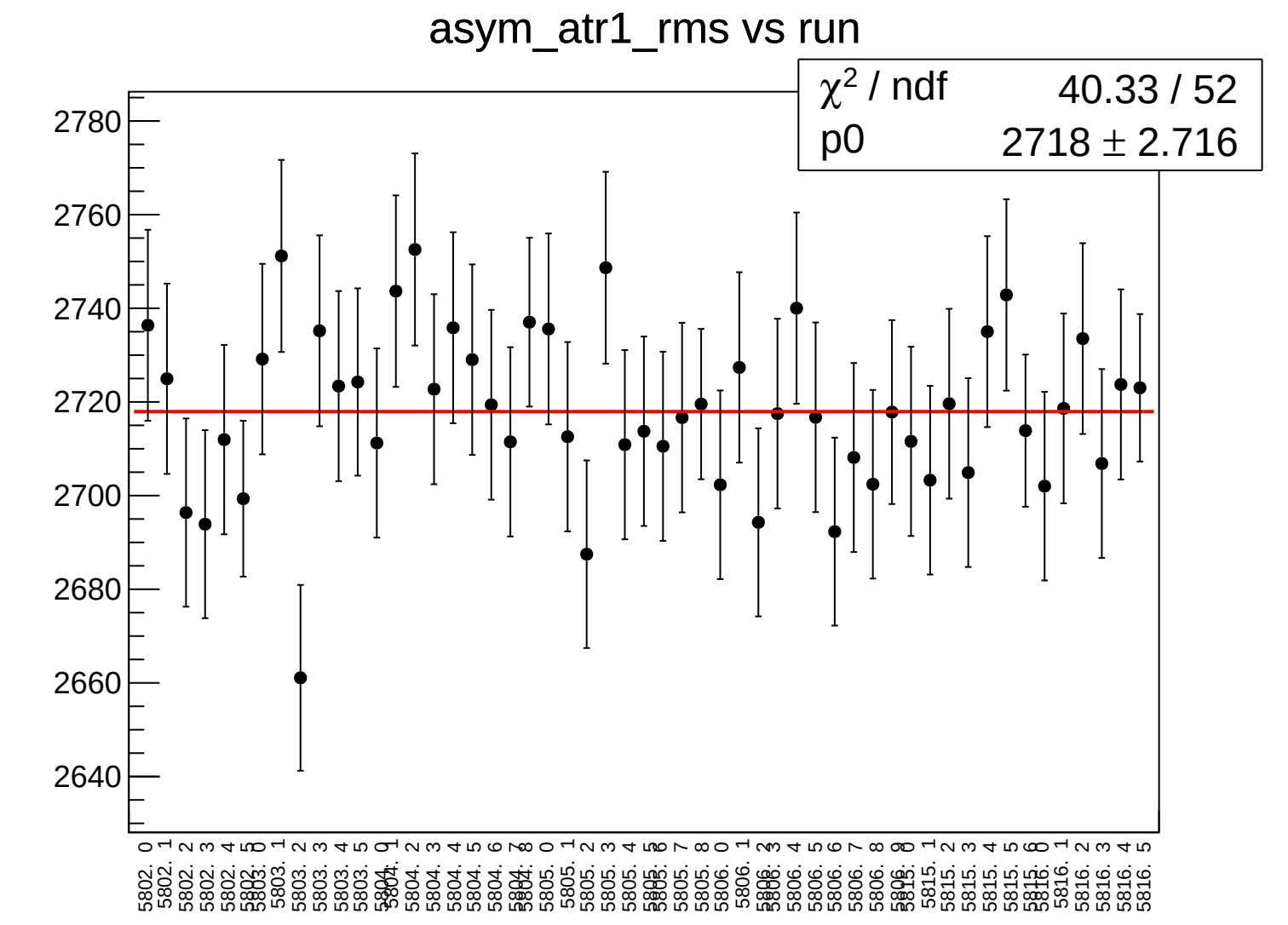

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 56.79 / 52
p0 210.5 ± 666.3
pull
Entries 53
Mean −90.15
Std Dev 0

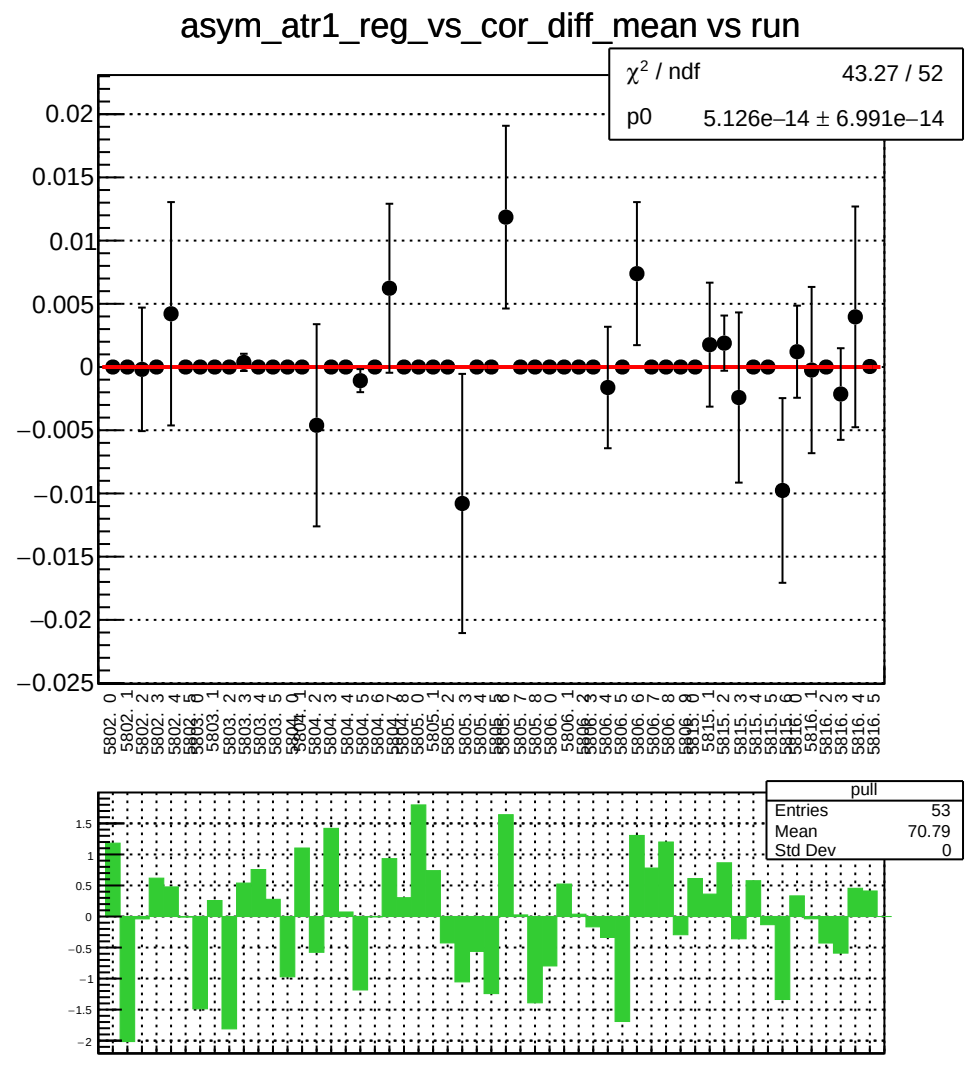

pull1D
Entries 53
Mean −0.02342
Std Dev 1.035

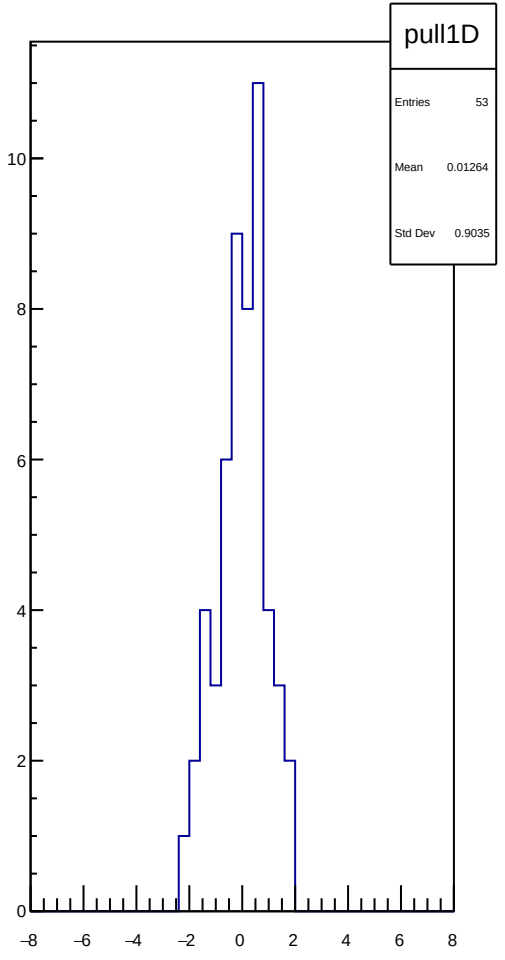

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1628 / 52
p0 471.1 ± 0.4712
520
500
480
460
440

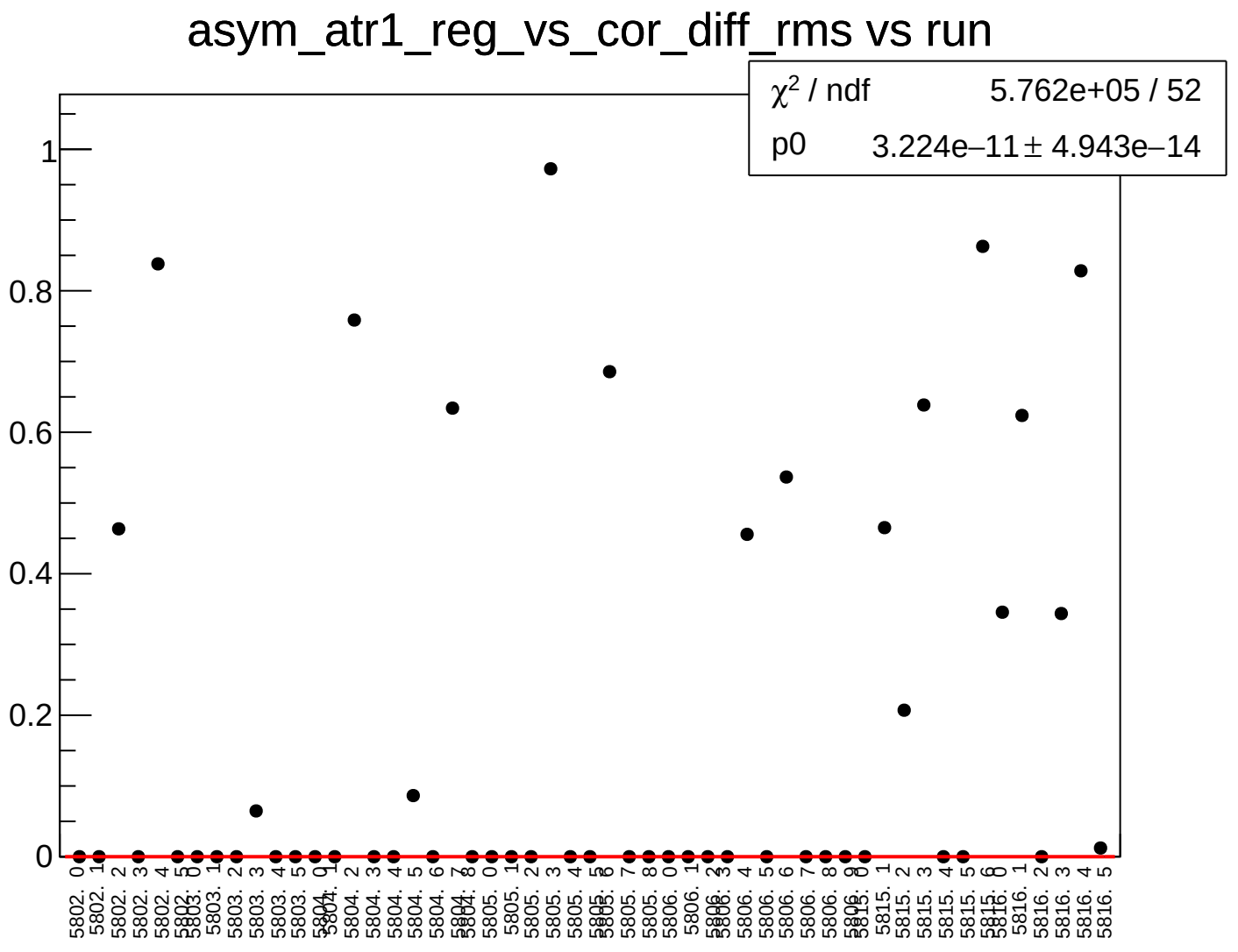

asym_atr1_mean vs run
×10^3
χ² / ndf 46.07 / 52
p0 −1090 ± 3841
100
50
0
−50
−100
pull
Entries 53
Mean −76.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.0133
Std Dev 0.9322
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ² / ndf 40.33 / 52
p0 2718 ± 2.716
2780
2760
2740
2720
2700
2680
2660
2640


asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 43.27 / 52
p0 5.126e−14 ± 6.991e−14
pull
Entries 53
Mean 70.79
Std Dev 0


pull1D
Entries 53
Mean 0.01264
Std Dev 0.9035


asym_atr1_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.762e+05 / 52
p0 3.224e−11 ± 4.943e−14
1
0.8
0.6
0.4
0.2
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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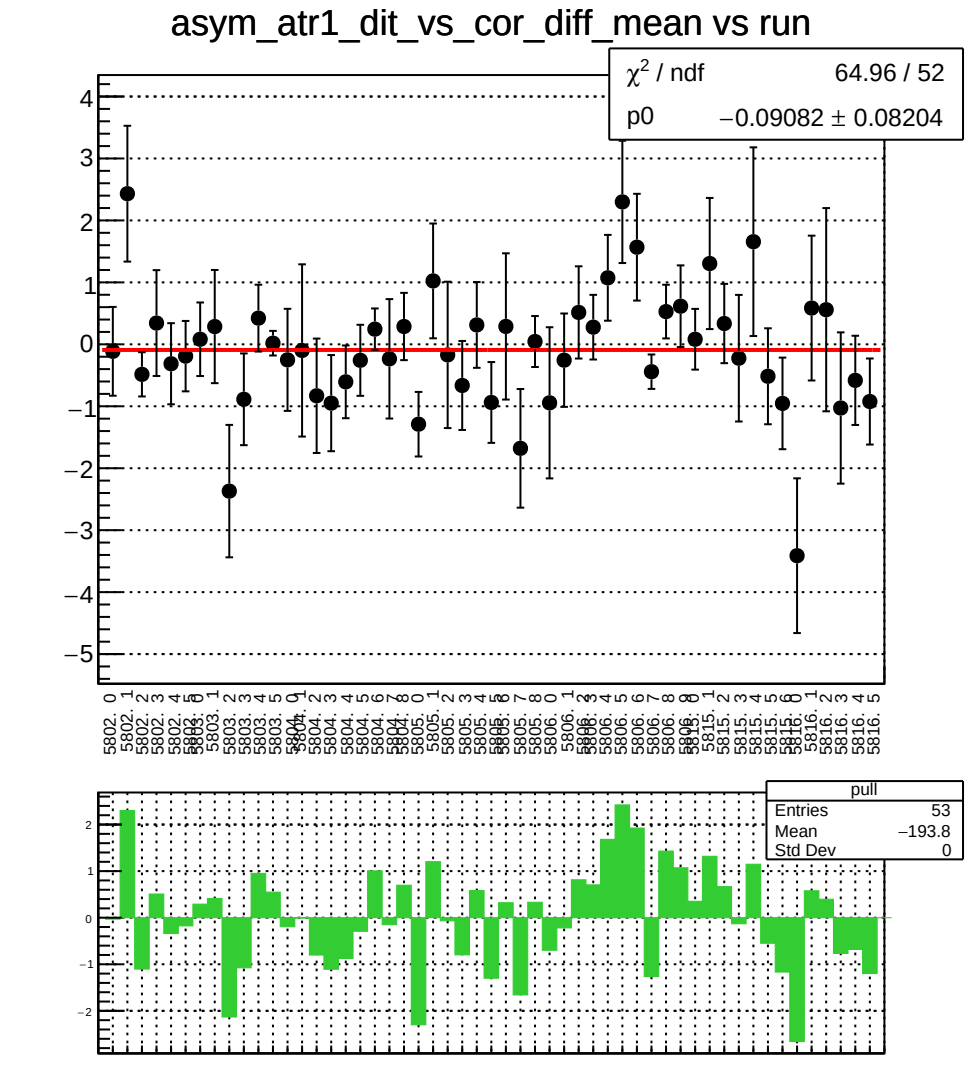
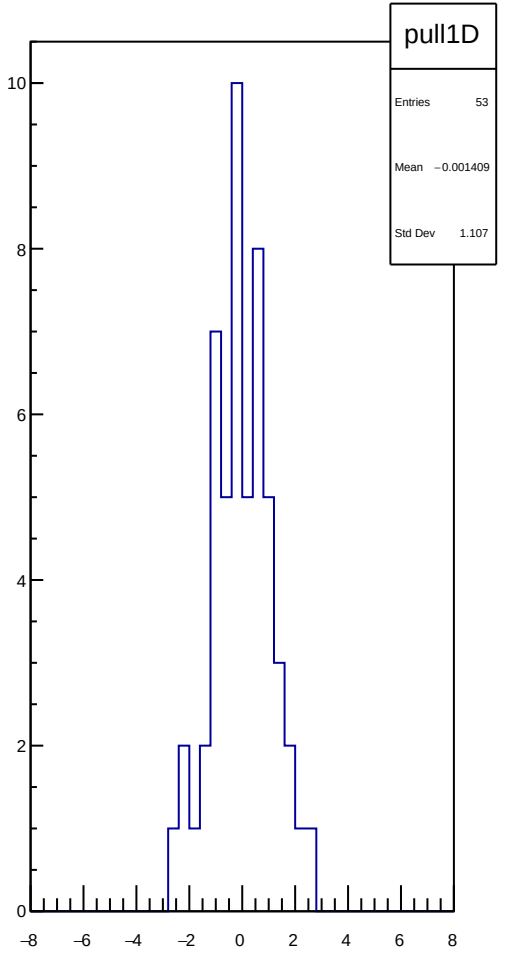
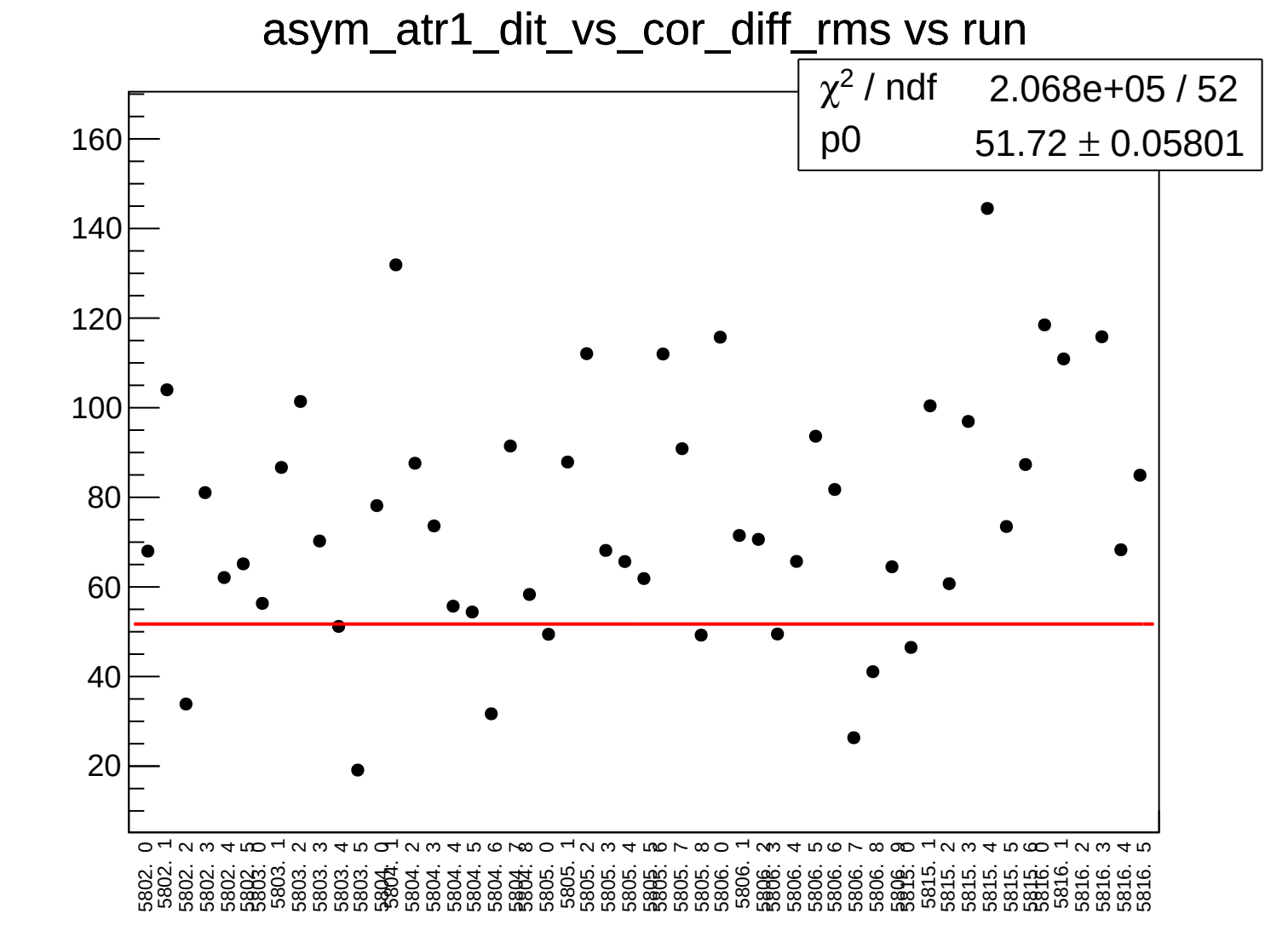
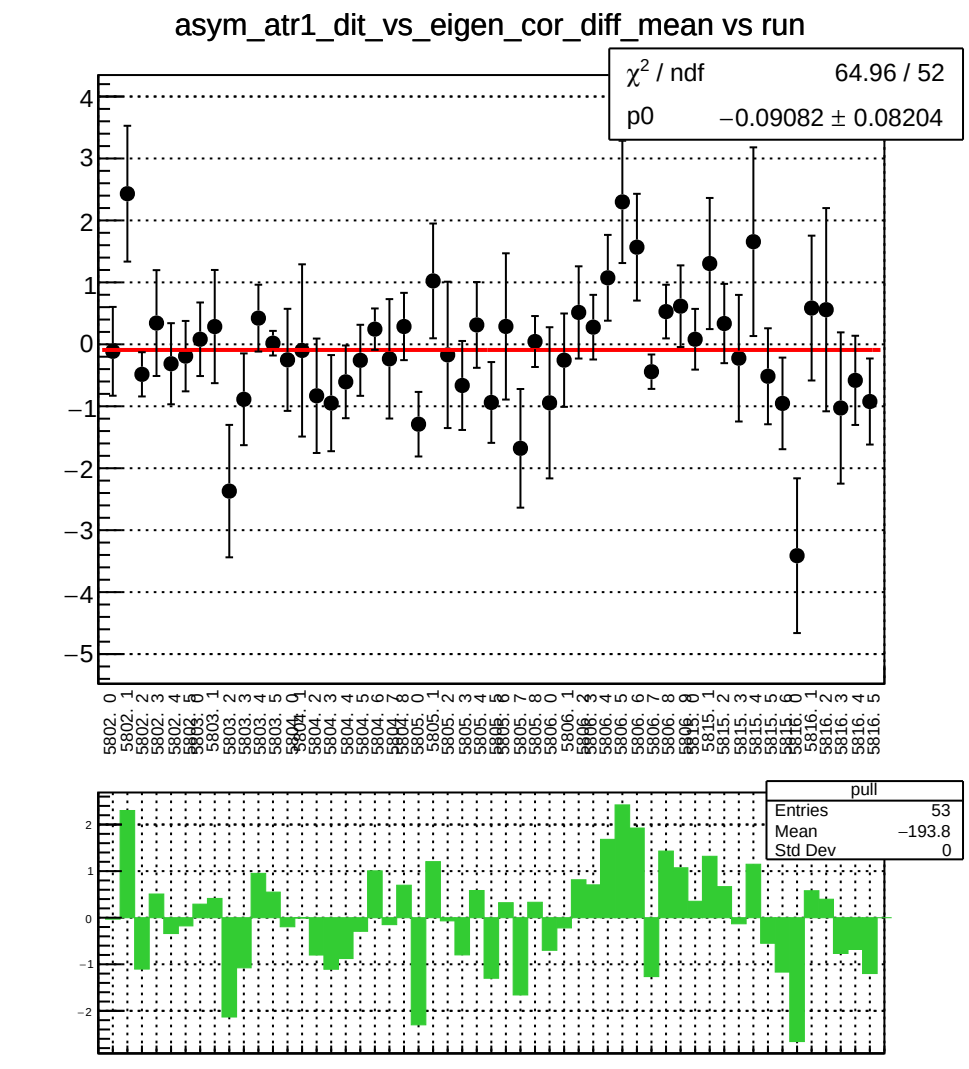
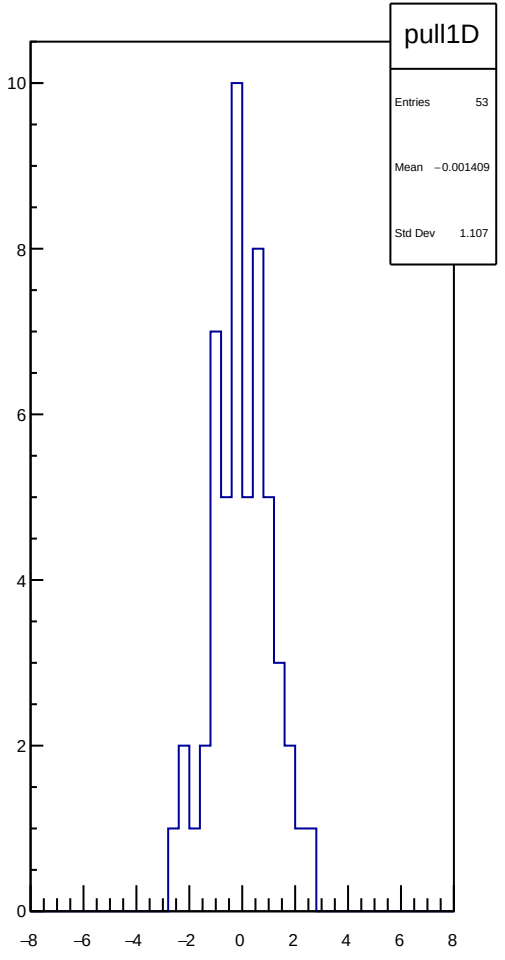
5816. 4
5816. 5

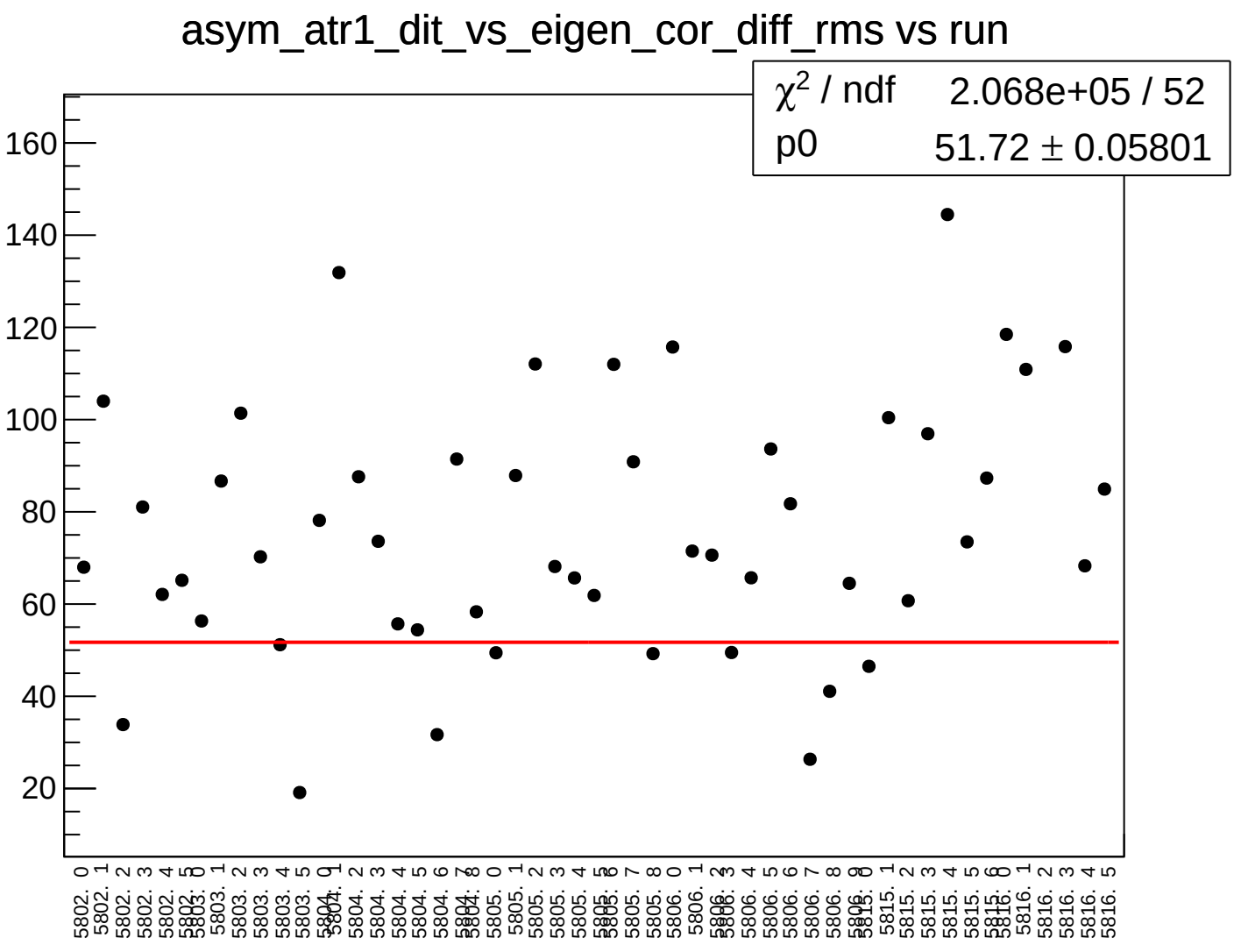

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 64.96 / 52
p0 −0.09082 ± 0.08204
pull
Entries 53
Mean −193.8
Std Dev 0

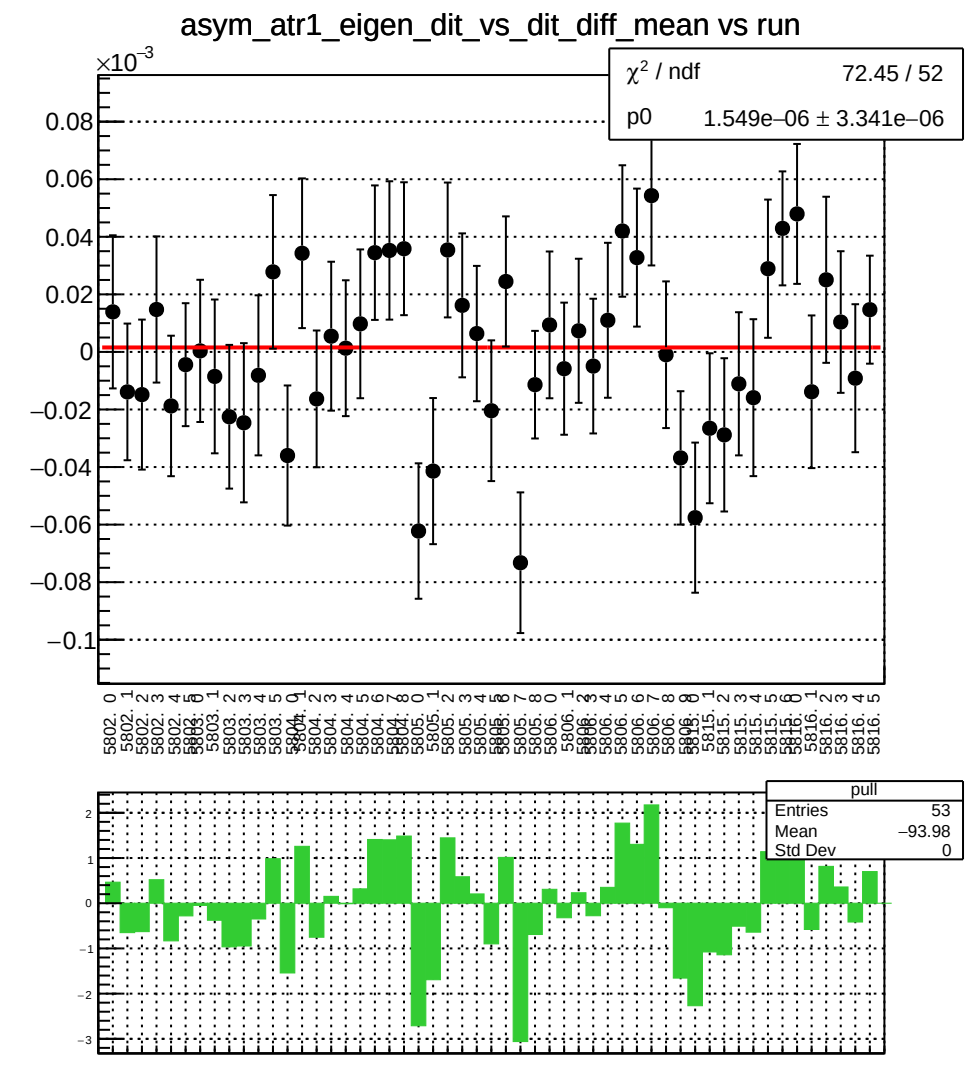

pull1D
Entries 53
Mean −0.001409
Std Dev 1.107

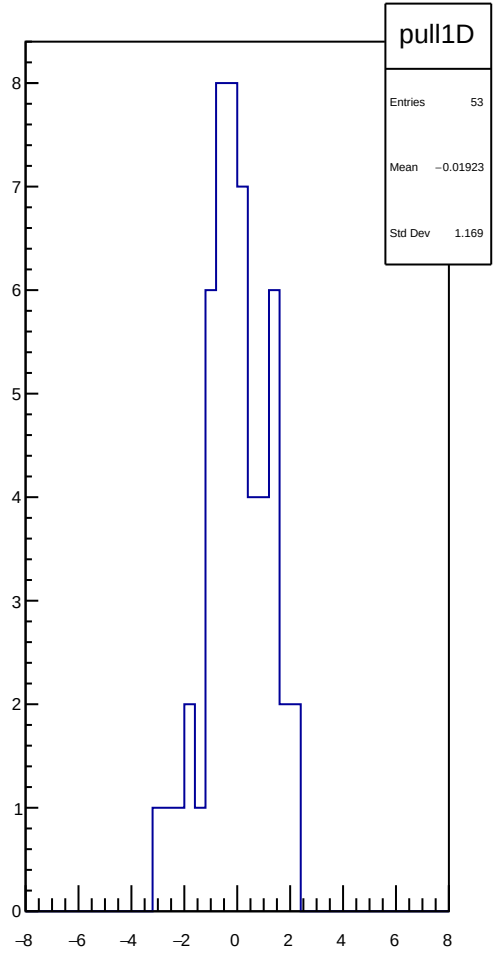

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.068e+05 / 52
p0 51.72 ± 0.05801
160
140
120
100
80
60
40
20

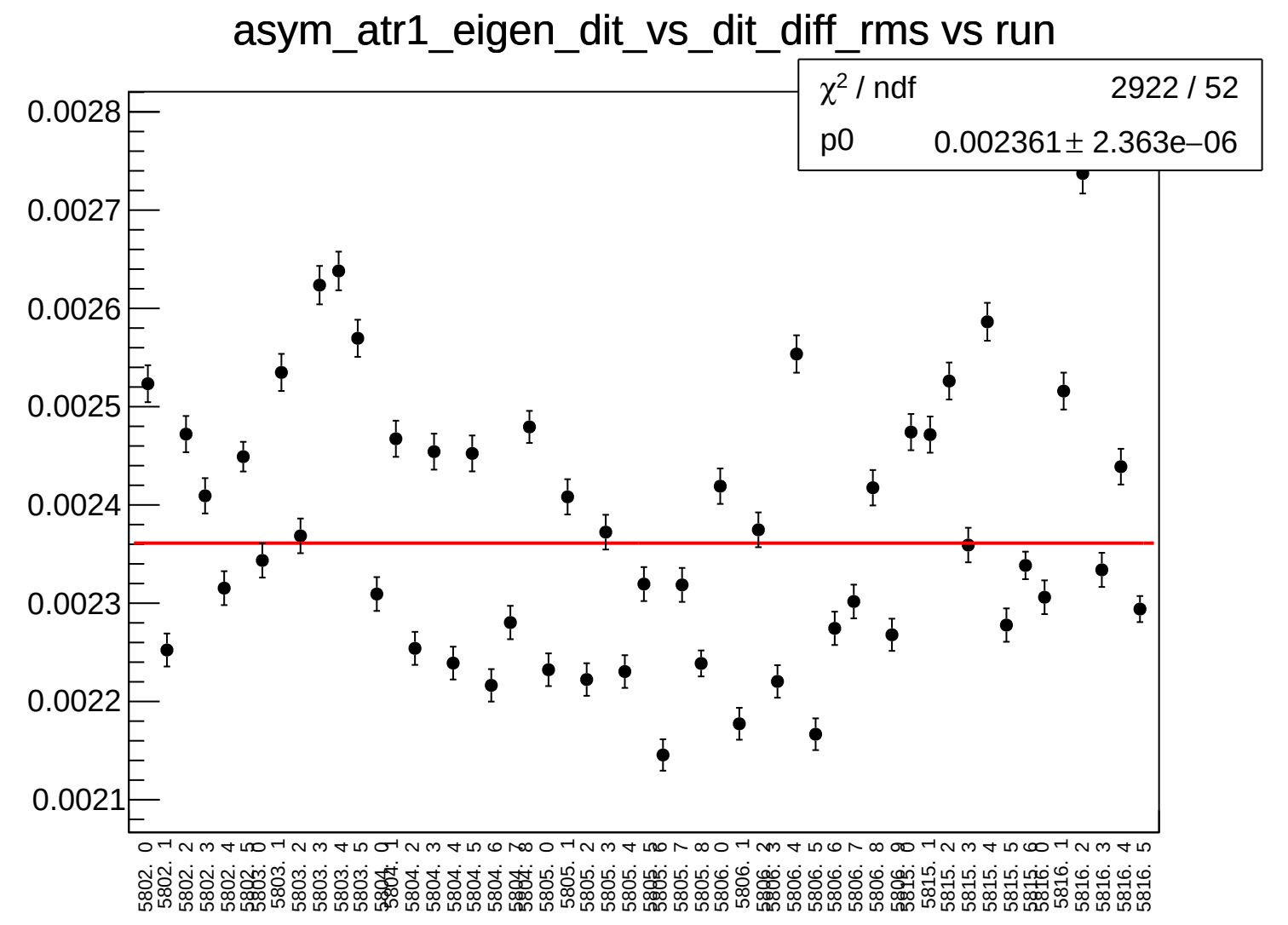

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.96 / 52
p0 −0.09082 ± 0.08204
pull
Entries 53
Mean −193.8
Std Dev 0

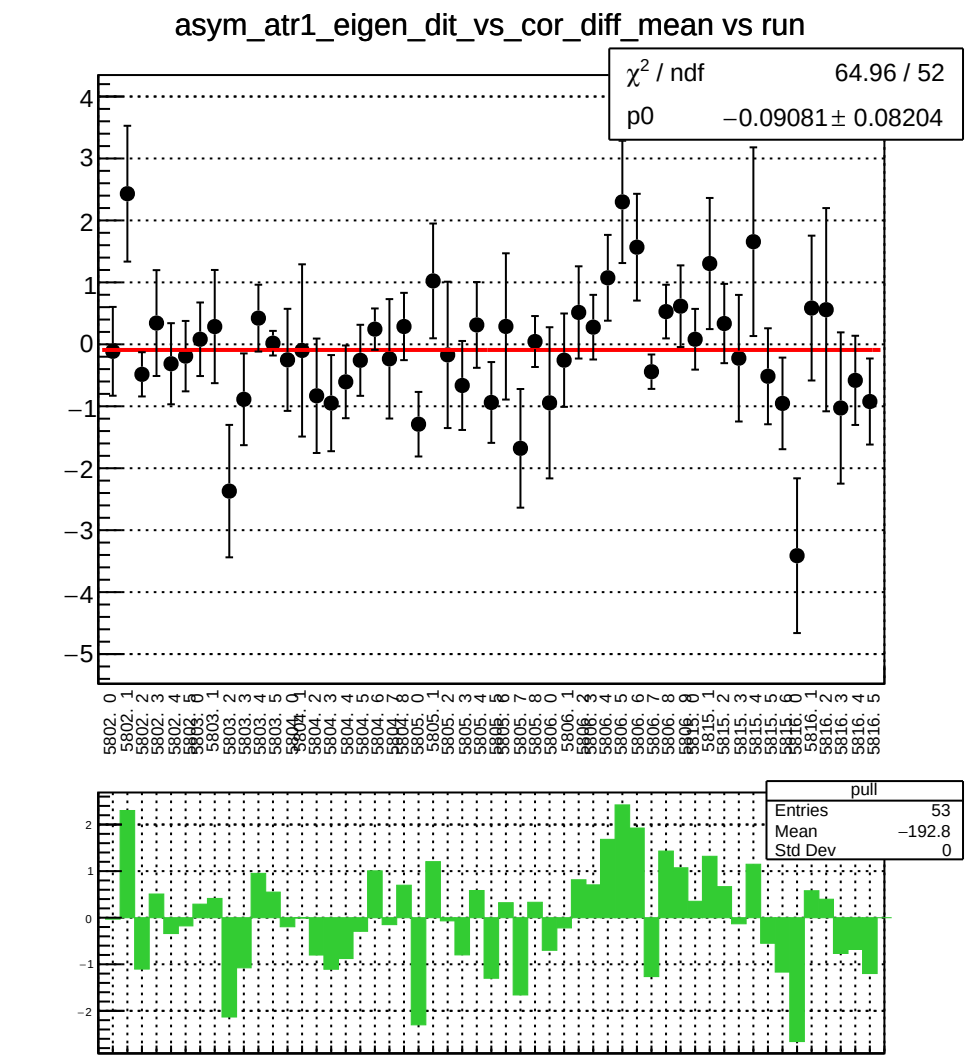

pull1D
Entries 53
Mean −0.001409
Std Dev 1.107

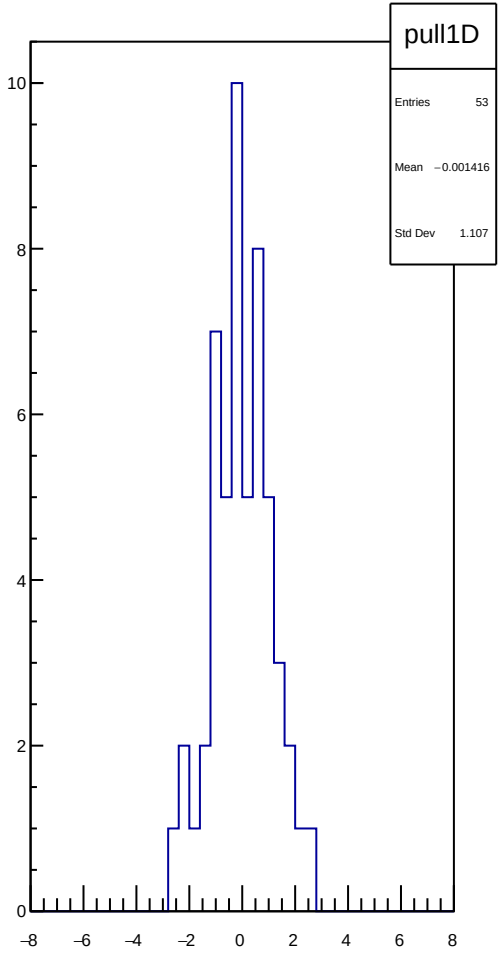

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.068e+05 / 52
p0 51.72 ± 0.05801
160
140
120
100
80
60
40
20

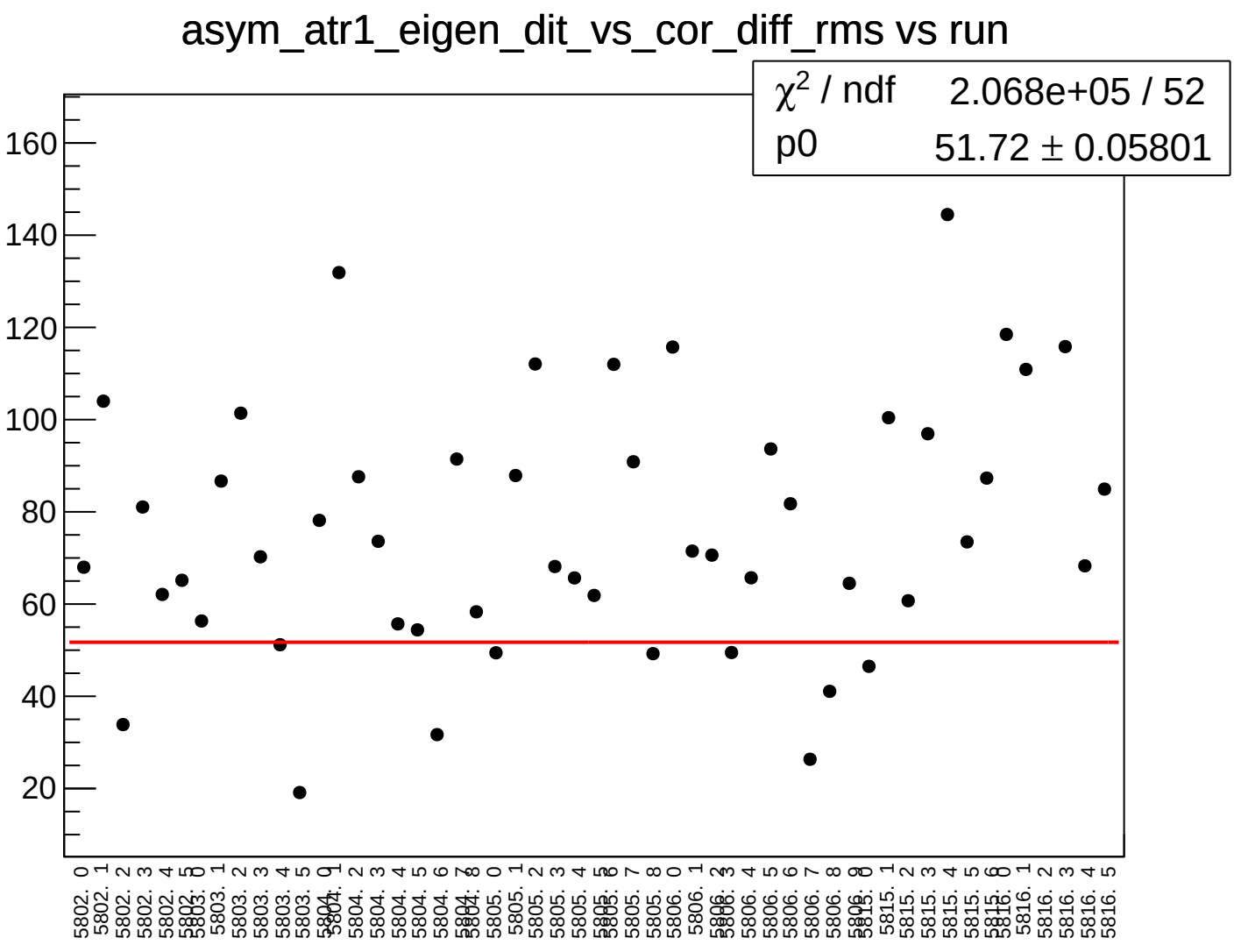

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.45 / 52
p0 1.549e−06 ± 3.341e−06
pull
Entries 53
Mean −93.98
Std Dev 0

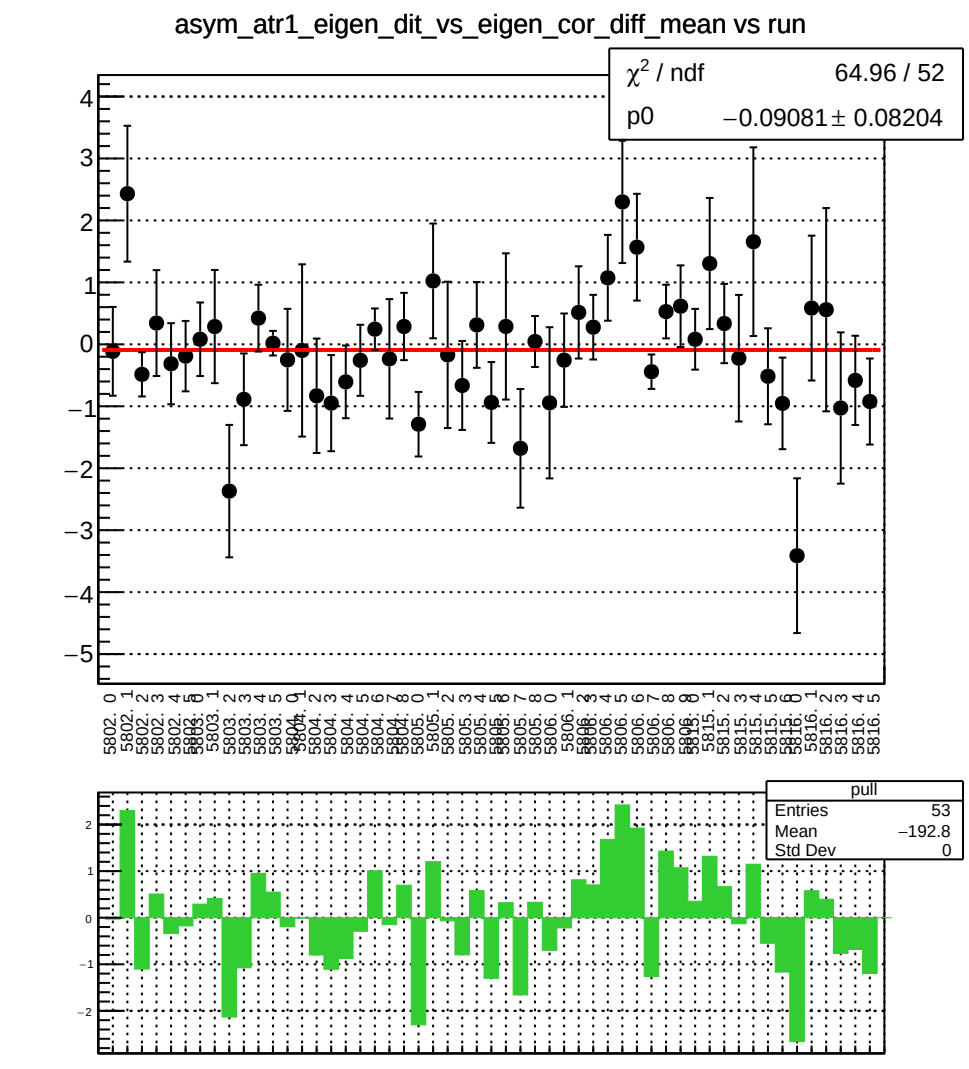

pull1D
Entries 53
Mean −0.01923
Std Dev 1.169

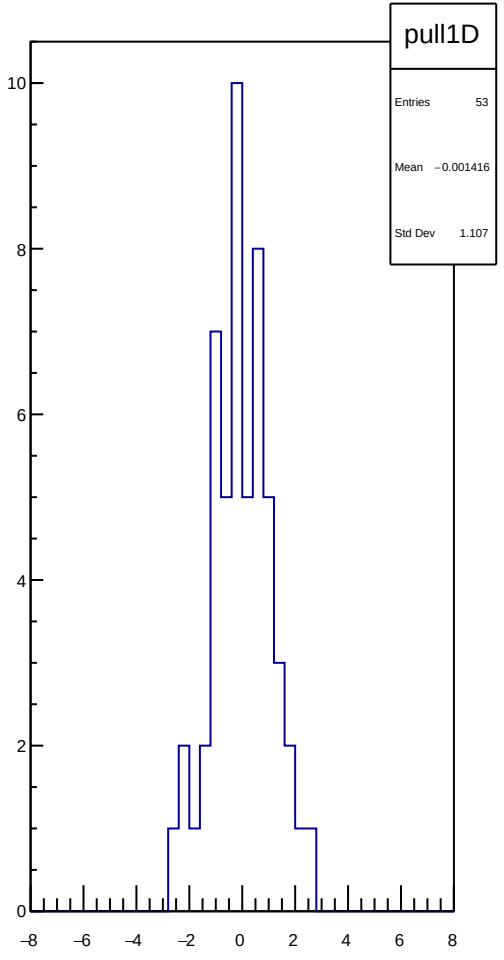

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2922 / 52
p0 0.002361 ± 2.363e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021

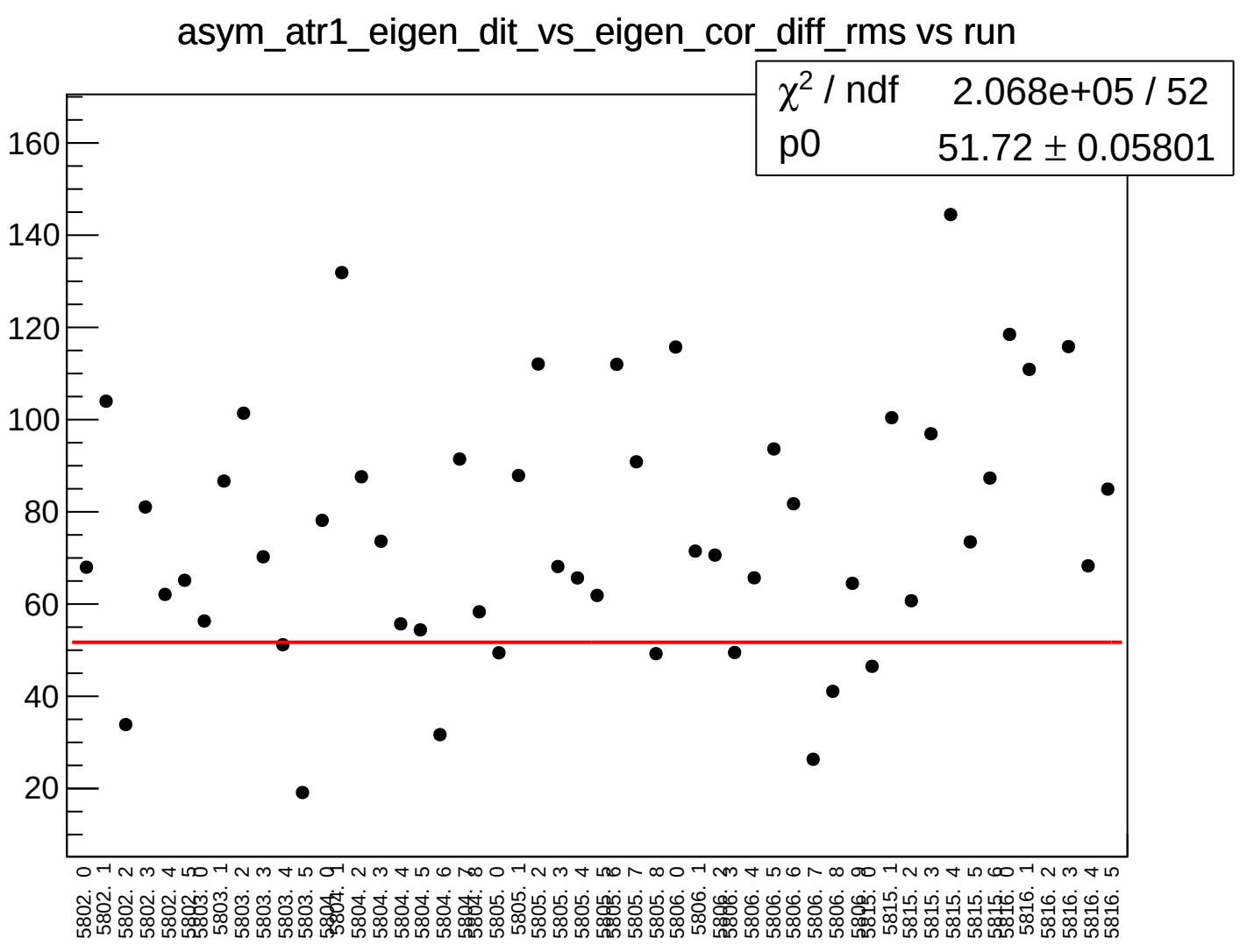

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.96 / 52
p0 −0.09081 ± 0.08204
pull
Entries 53
Mean −192.8
Std Dev 0

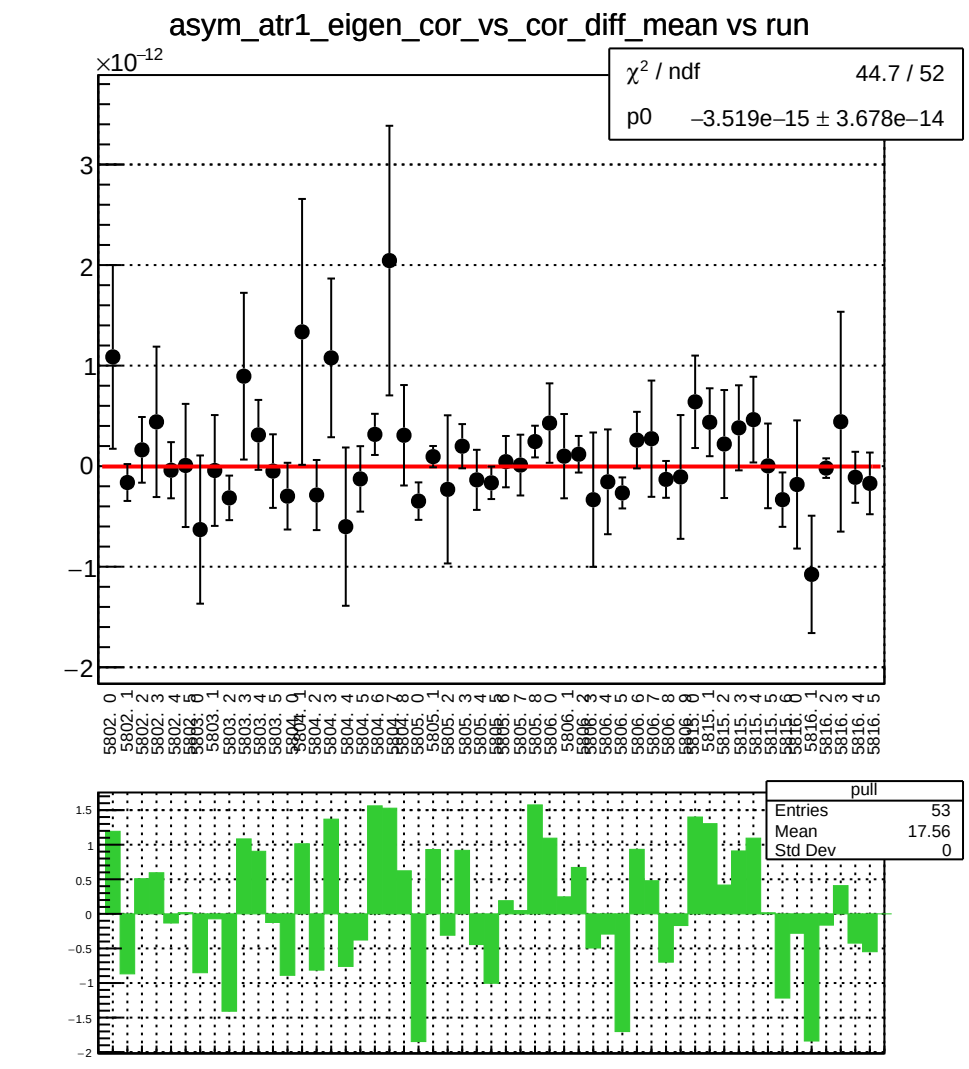

pull1D
Entries 53
Mean −0.001416
Std Dev 1.107

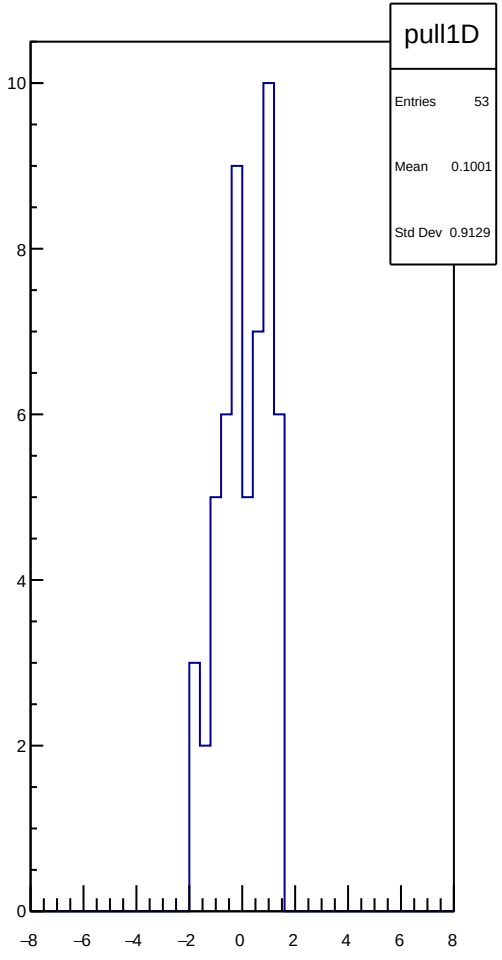

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.068e+05 / 52
p0 51.72 ± 0.05801
160
140
120
100
80
60
40
20

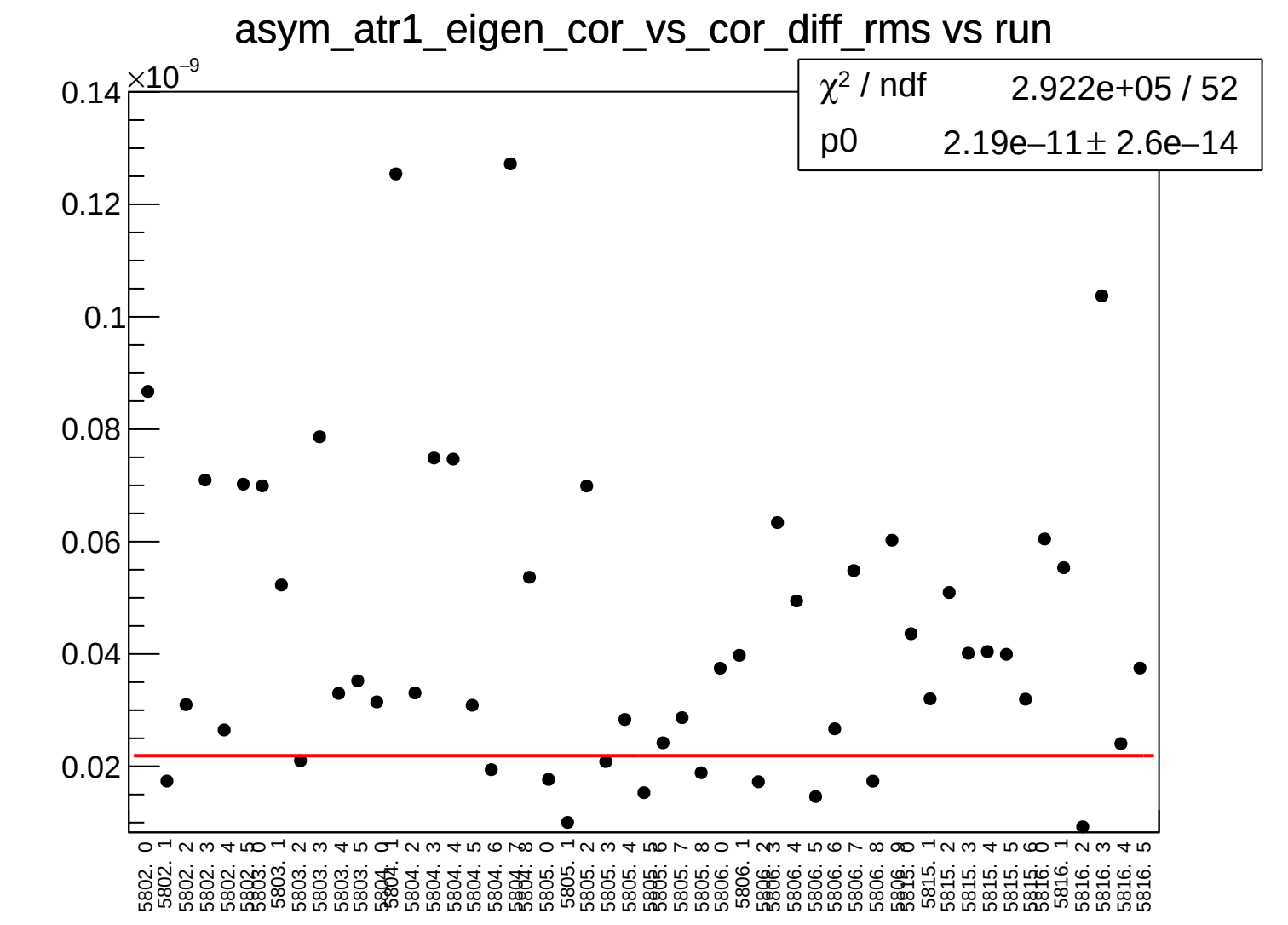

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.96 / 52
p0 −0.09081 ± 0.08204
pull
Entries 53
Mean −192.8
Std Dev 0

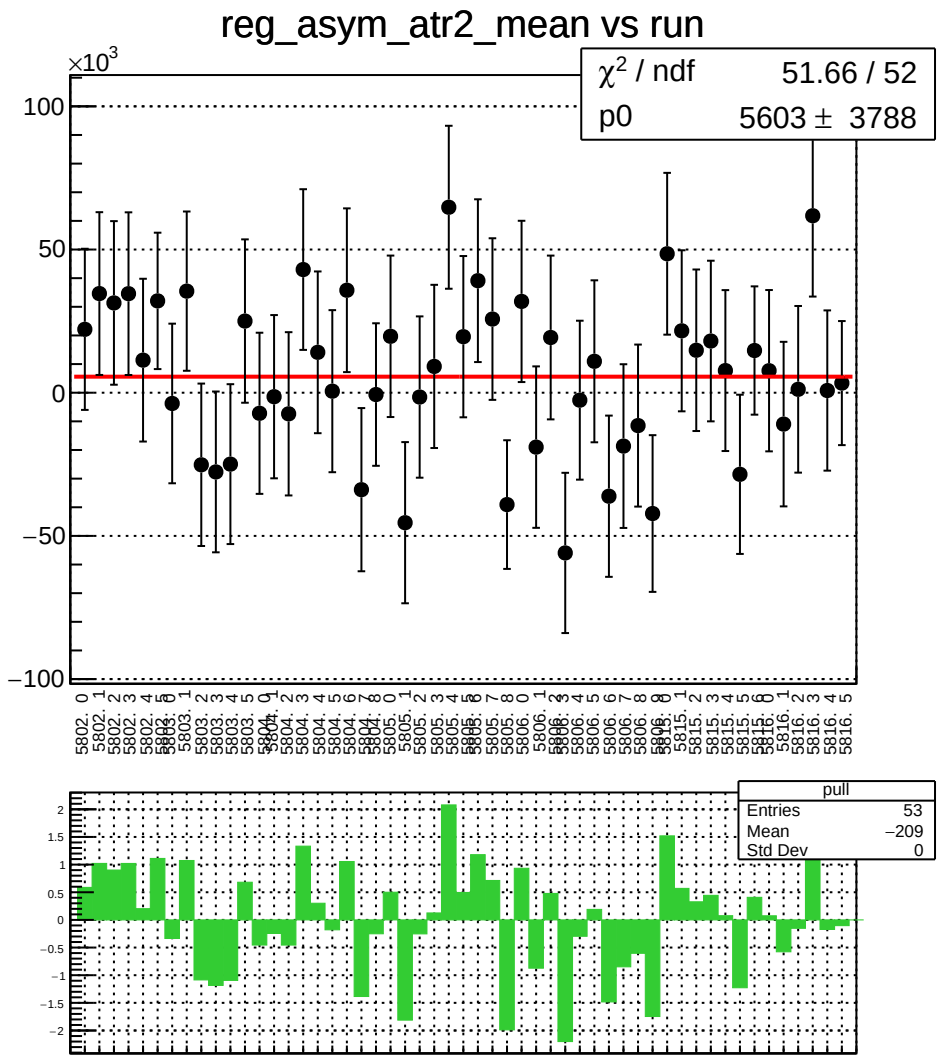

pull1D
Entries 53
Mean −0.001416
Std Dev 1.107

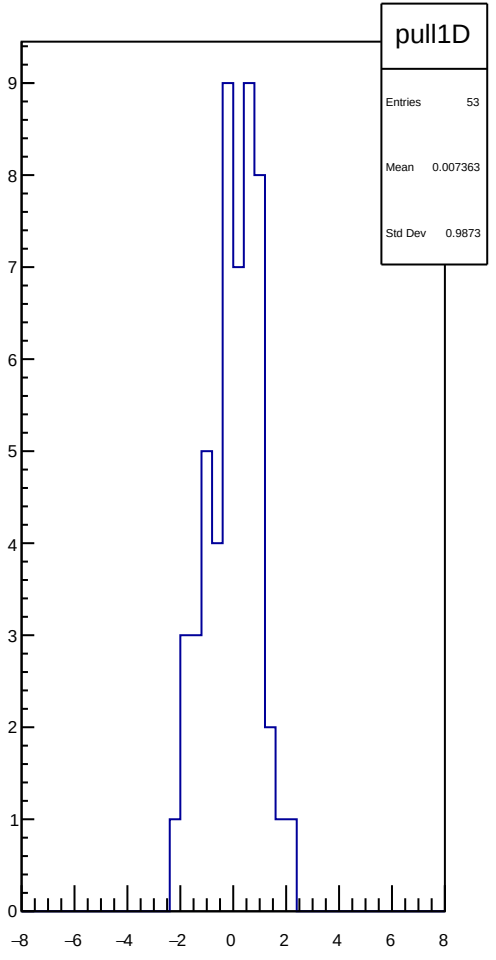

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.068e+05 / 52
p0 51.72 ± 0.05801
160
140
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

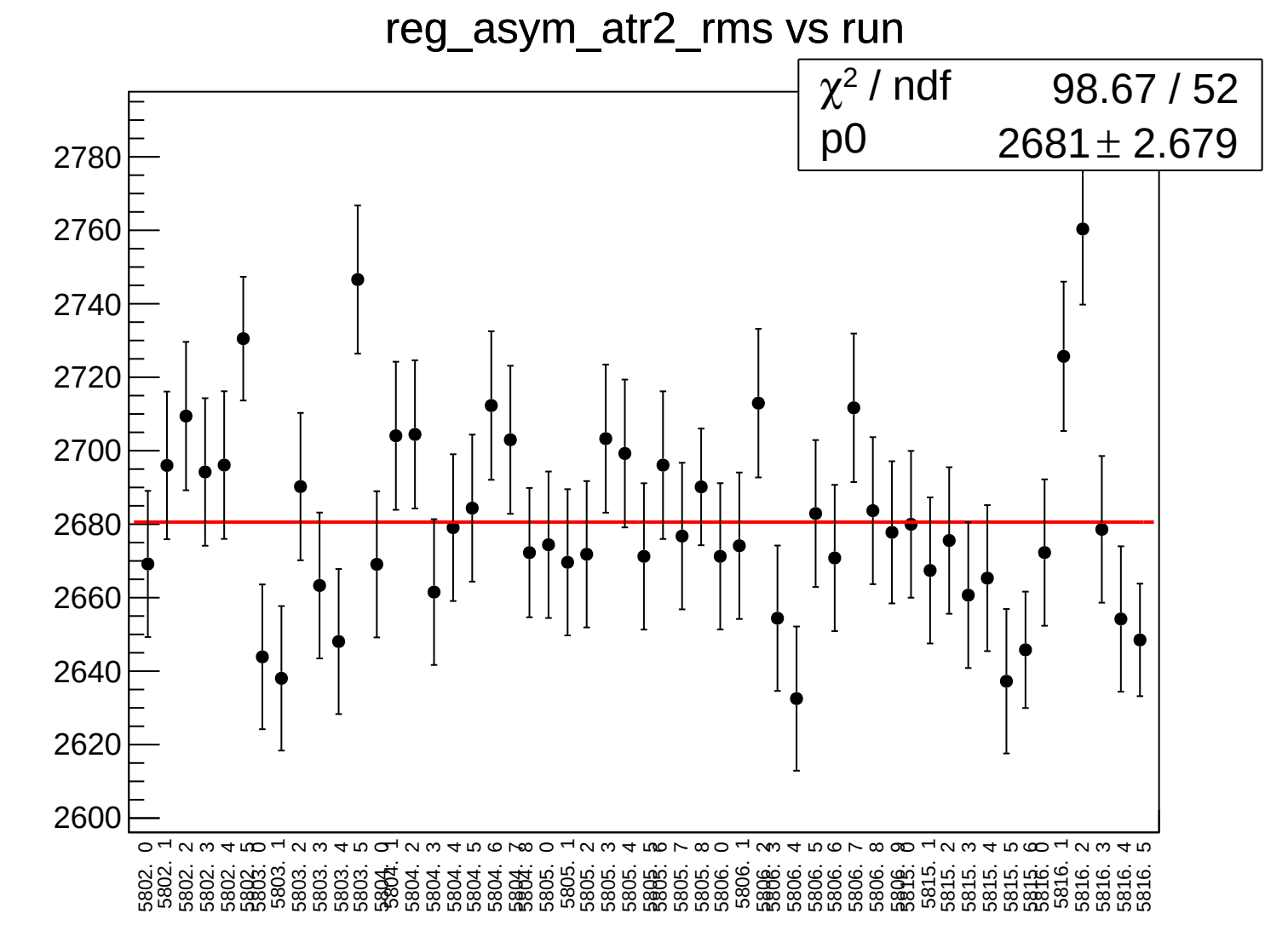

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.7 / 52
p0 −3.519e−15 ± 3.678e−14
pull
Entries 53
Mean 17.56
Std Dev 0

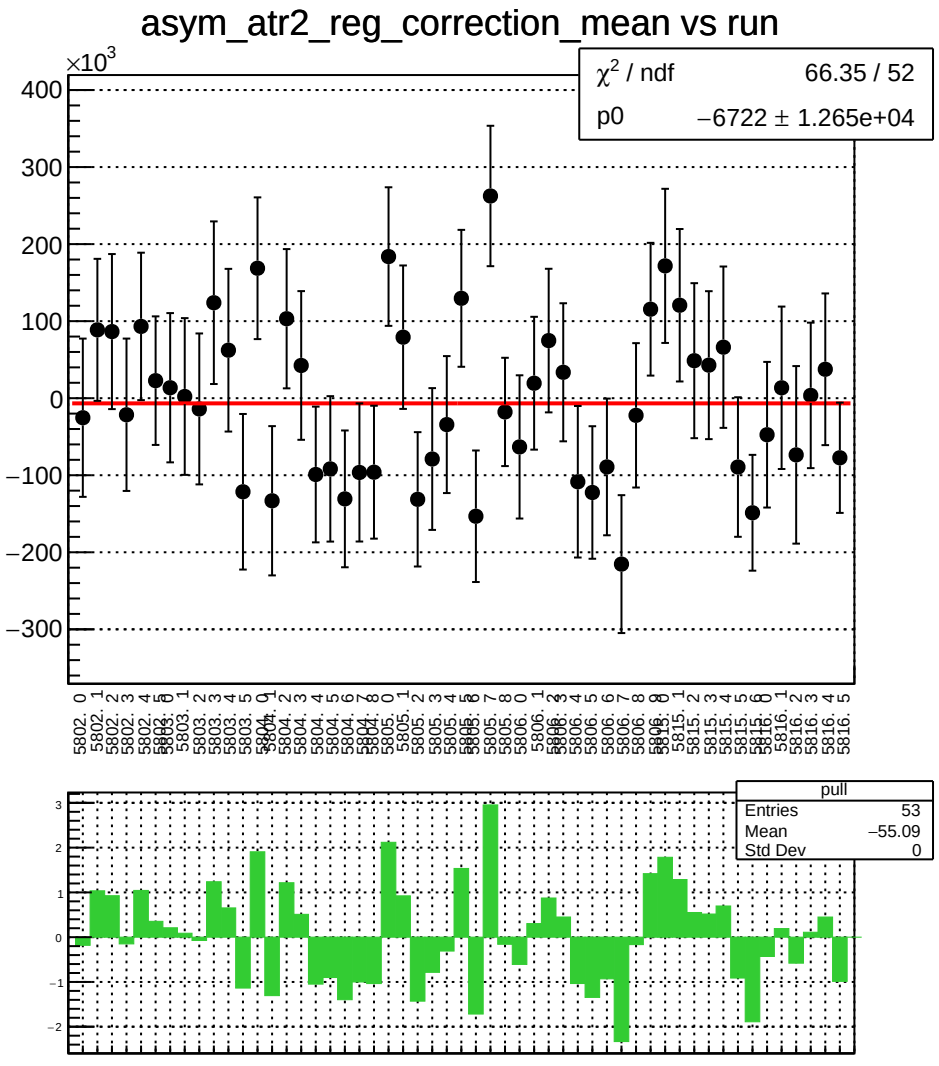

pull1D
Entries 53
Mean 0.1001
Std Dev 0.9129

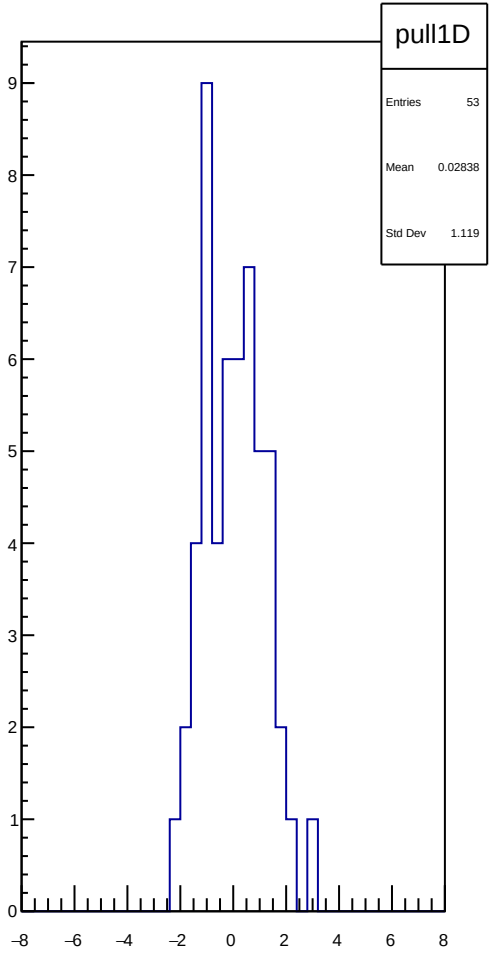

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 2.922e+05 / 52
p0 2.19e−11 ± 2.6e−14

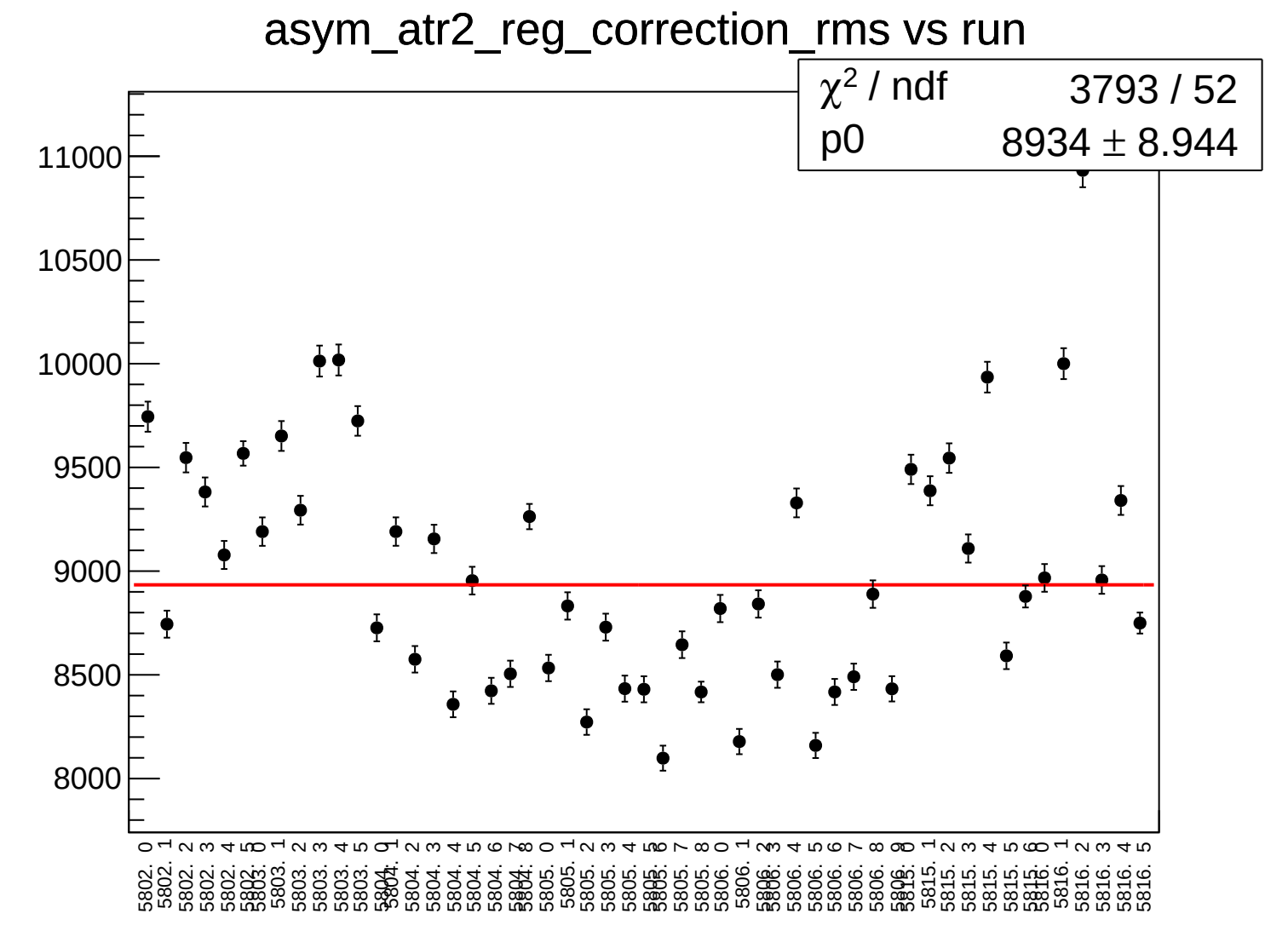

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 51.66 / 52
p0 5603 ± 3788
100
50
0
−50
−100
pull
Entries 53
Mean −209
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

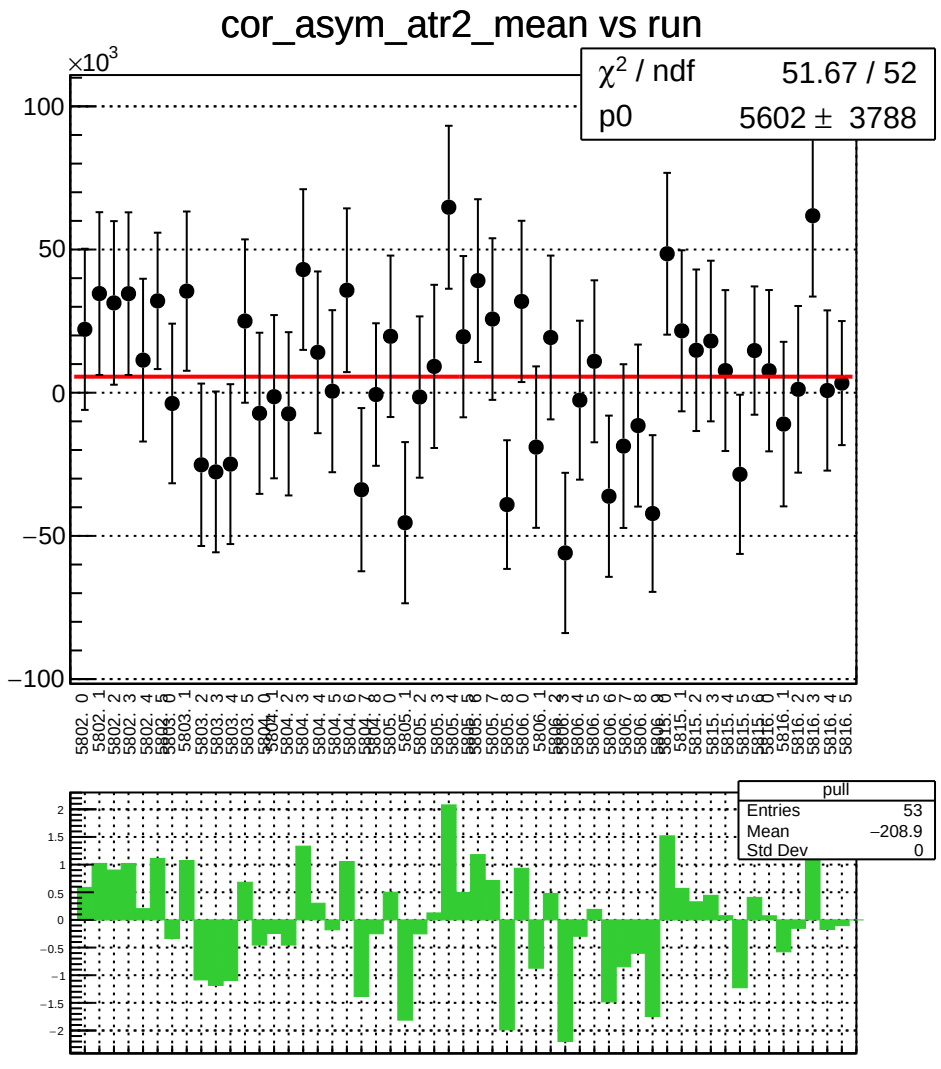

pull1D
Entries 53
Mean 0.007363
Std Dev 0.9873
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

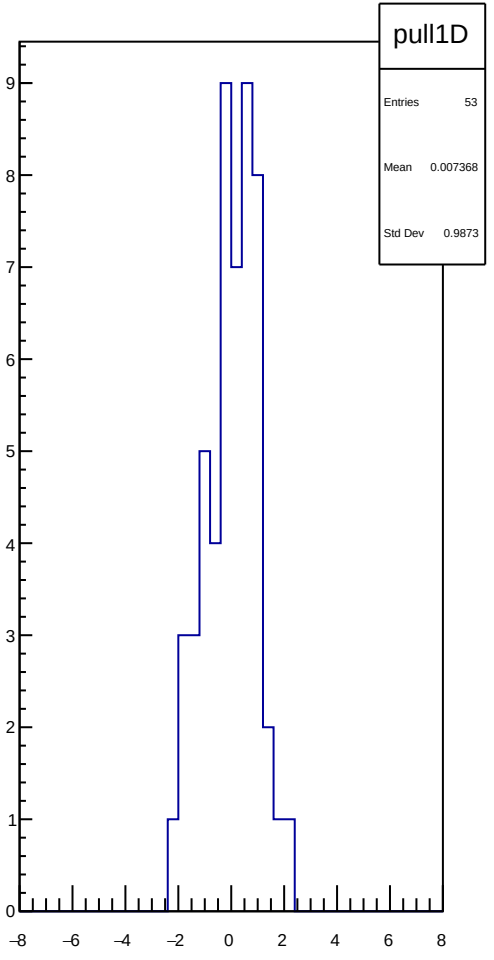

reg_asym_atr2_rms vs run
χ² / ndf 98.67 / 52
p0 2681 ± 2.679
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

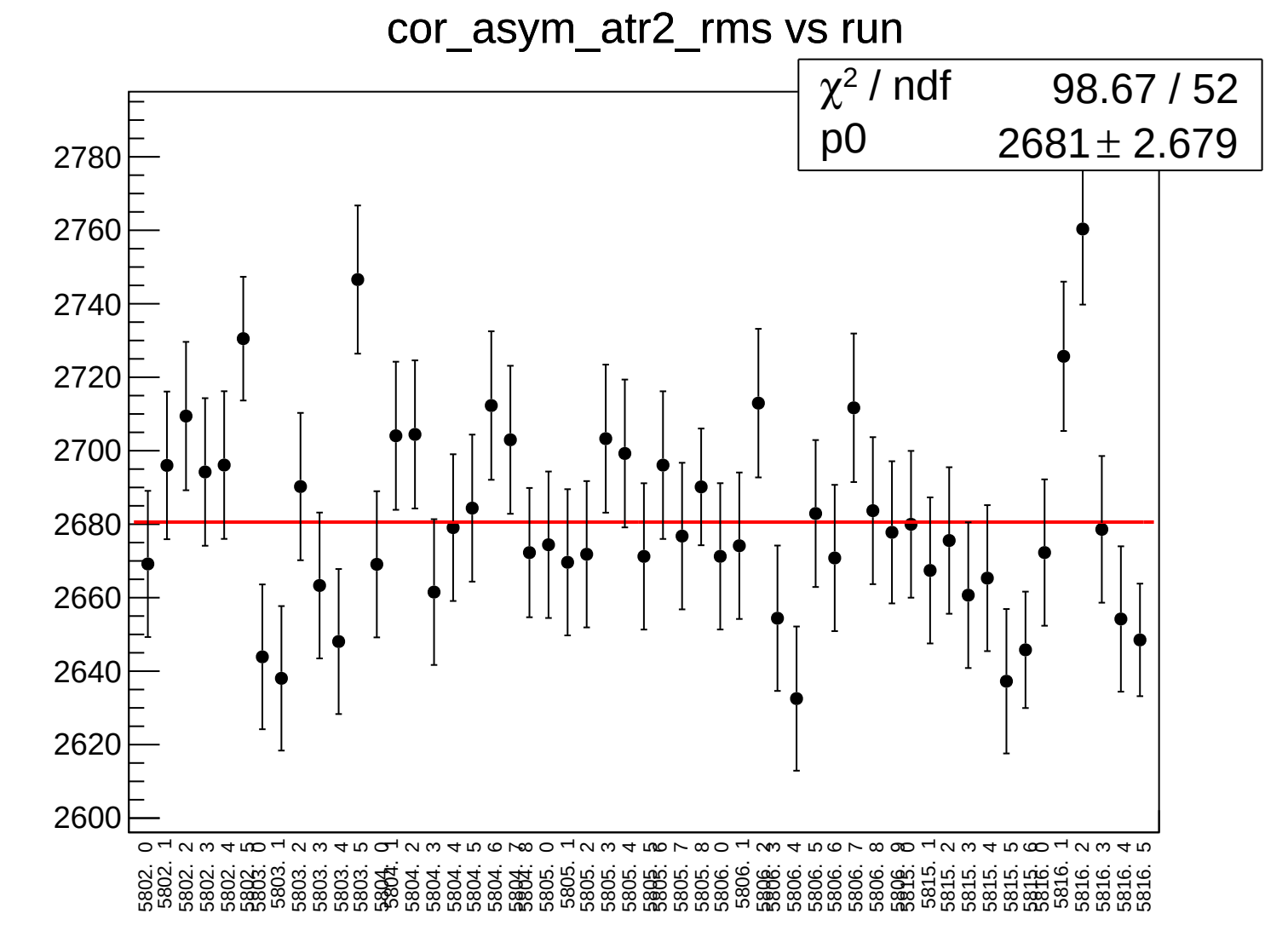

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 66.35 / 52
p0 −6722 ± 1.265e+04
pull
Entries 53
Mean −55.09
Std Dev 0

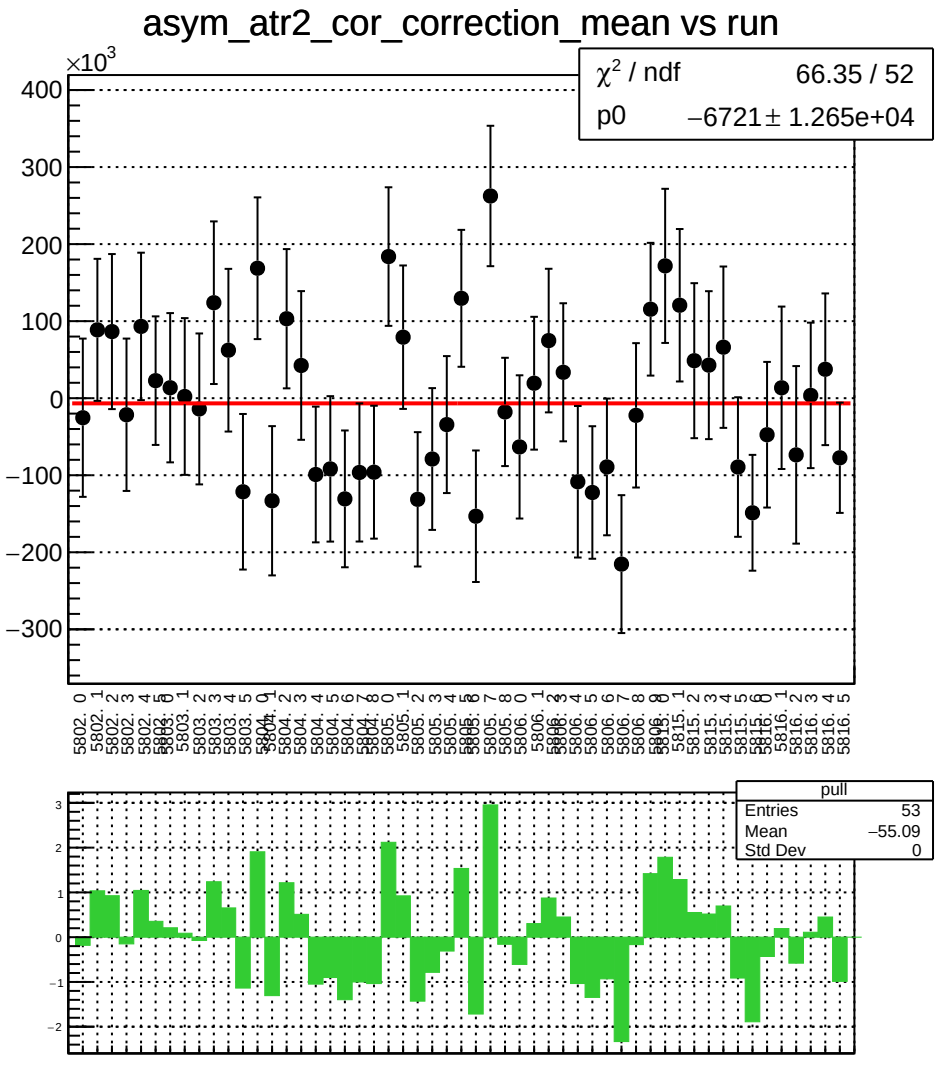

pull1D
Entries 53
Mean 0.02838
Std Dev 1.119

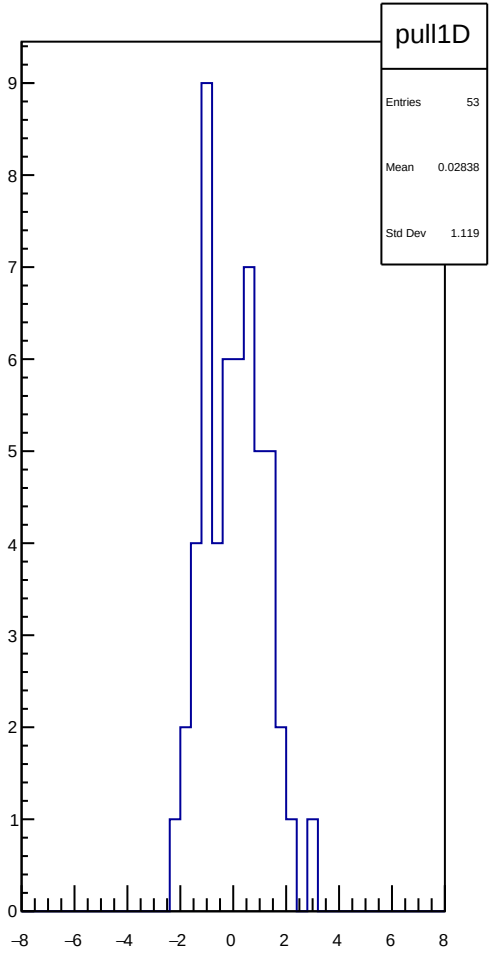

asym_atr2_reg_correction_rms vs run
χ² / ndf 3793 / 52
p0 8934 ± 8.944
11000
10500
10000
9500
9000
8500
8000

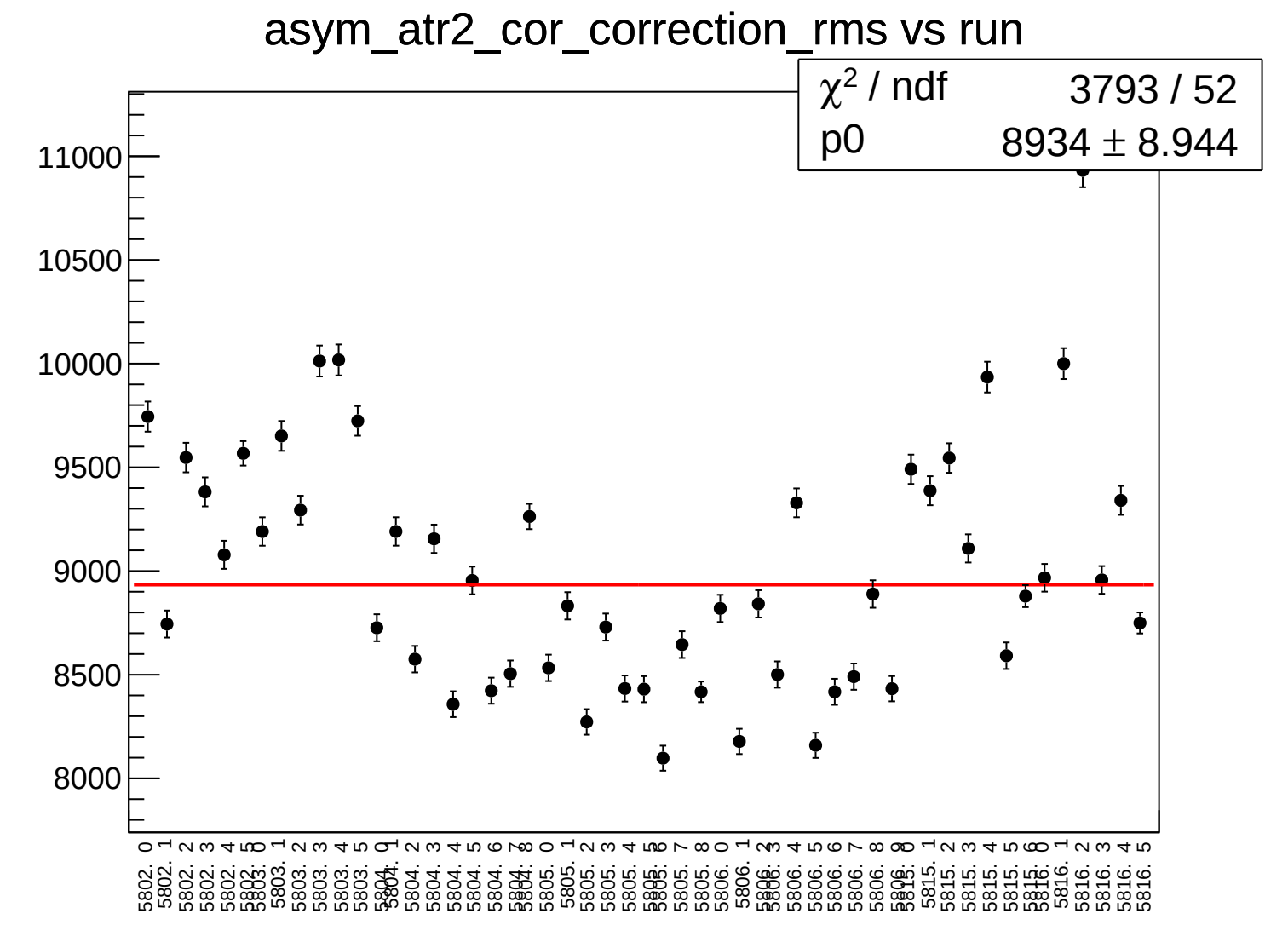

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 51.67 / 52
p0 5602 ± 3788
100
50
0
−50
−100
pull
Entries 53
Mean −208.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

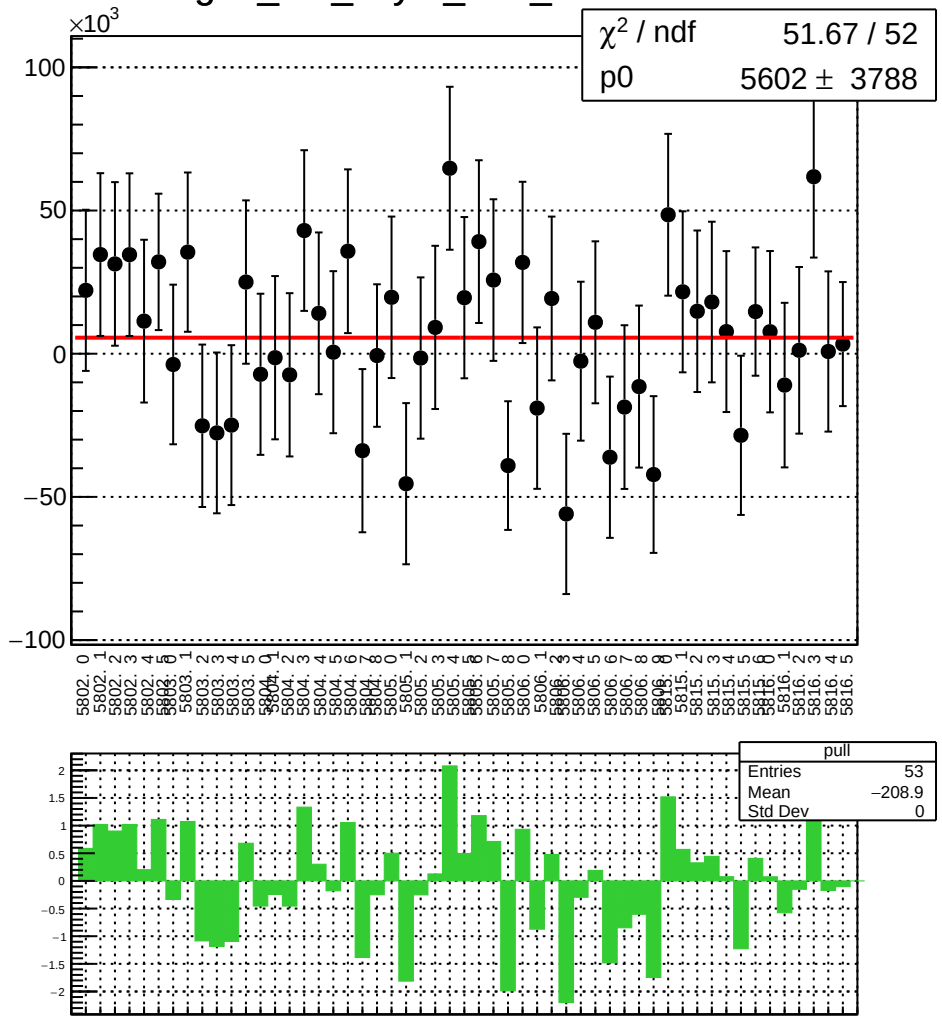

pull1D
Entries 53
Mean 0.007368
Std Dev 0.9873
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

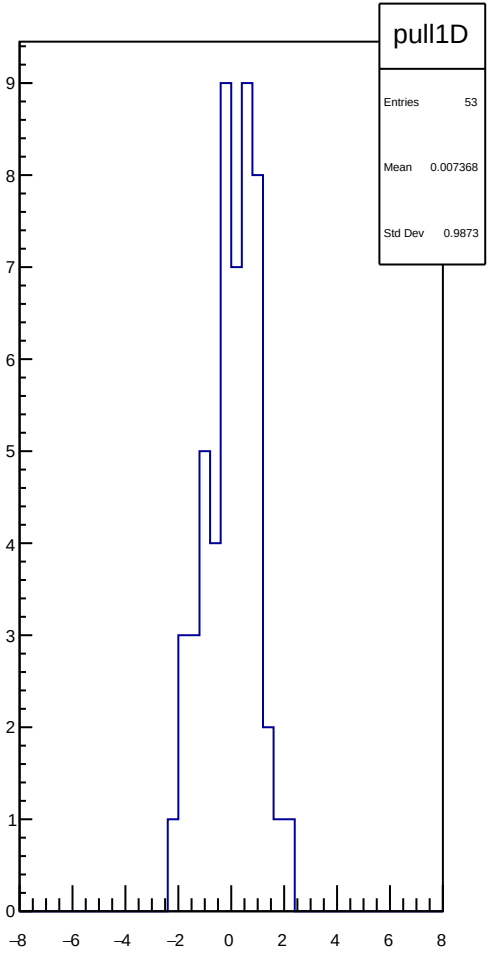

cor_asym_atr2_rms vs run
χ² / ndf 98.67 / 52
p0 2681 ± 2.679
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600

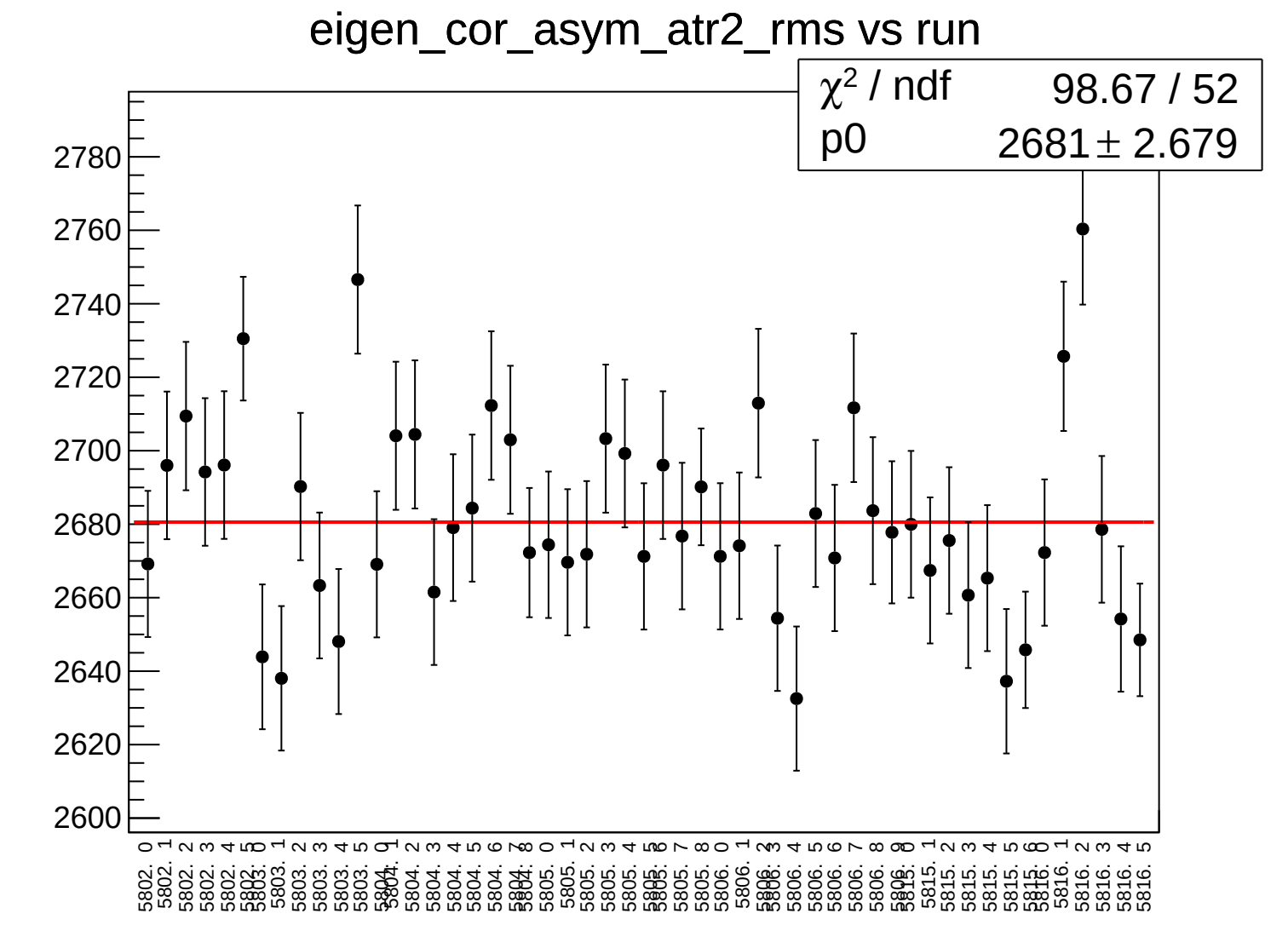

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 66.35 / 52
p0 −6721 ± 1.265e+04
pull
Entries 53
Mean −55.09
Std Dev 0

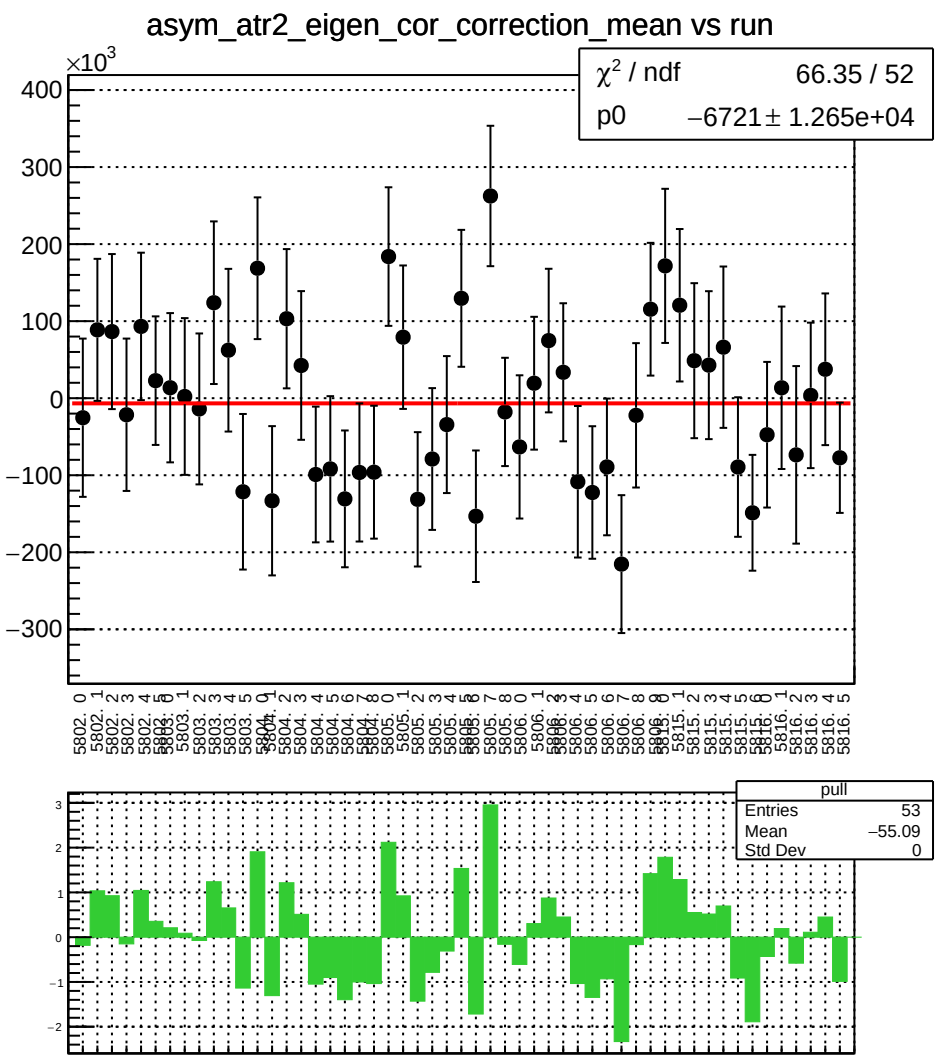

pull1D
Entries 53
Mean 0.02838
Std Dev 1.119

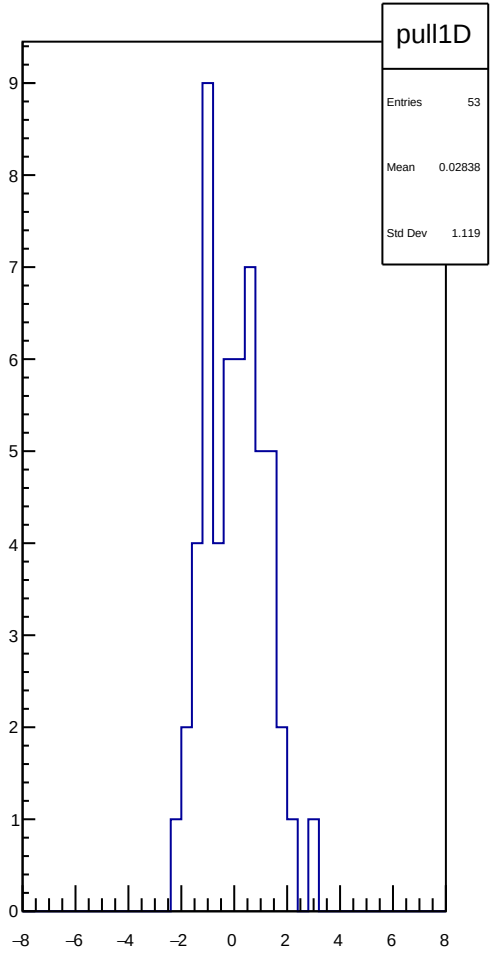

asym_atr2_cor_correction_rms vs run
χ² / ndf 3793 / 52
p0 8934 ± 8.944
11000
10500
10000
9500
9000
8500
8000

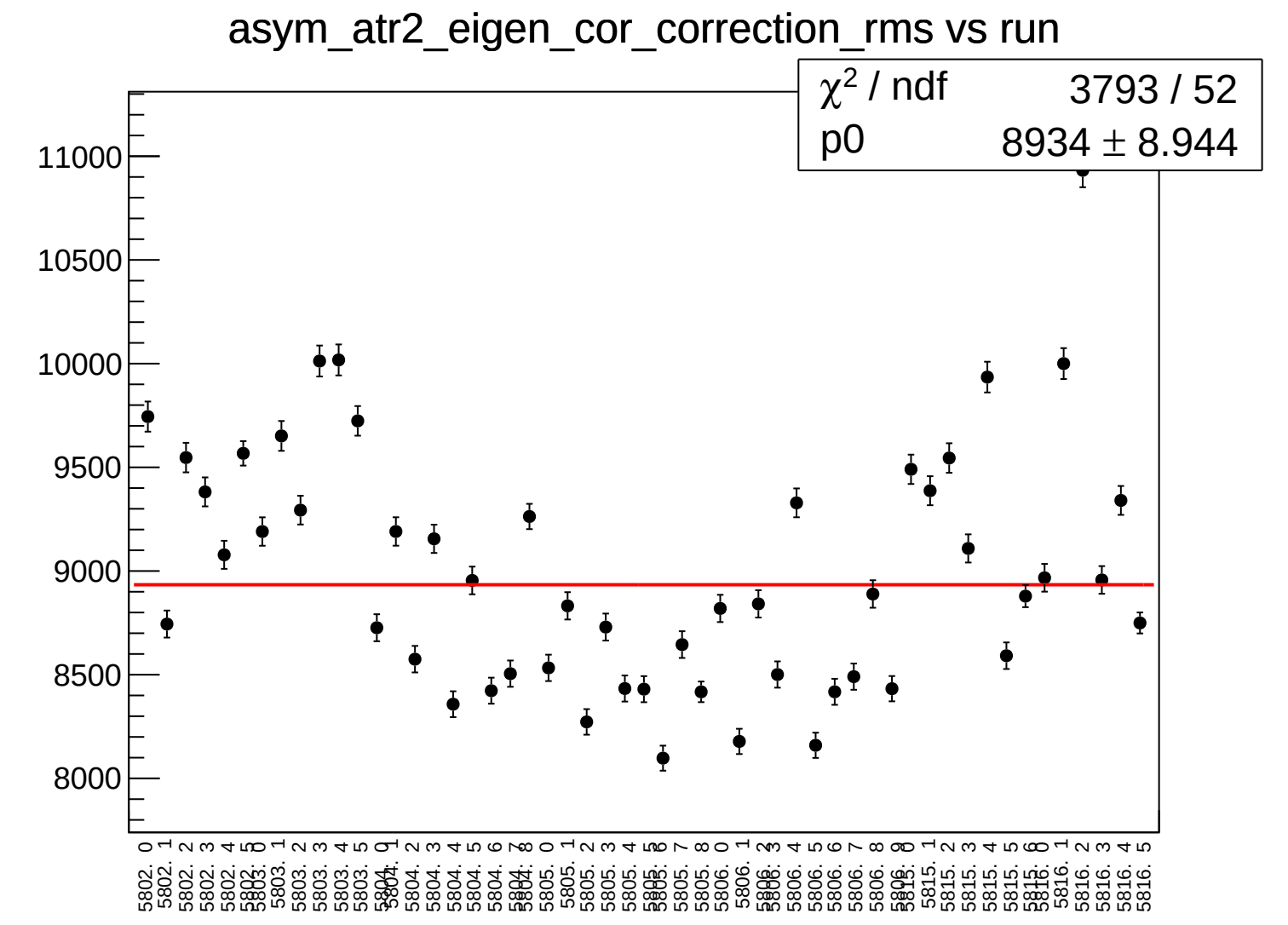

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 51.67 / 52
p0 5602 ± 3788
100
50
0
−50
−100
pull
Entries 53
Mean −208.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

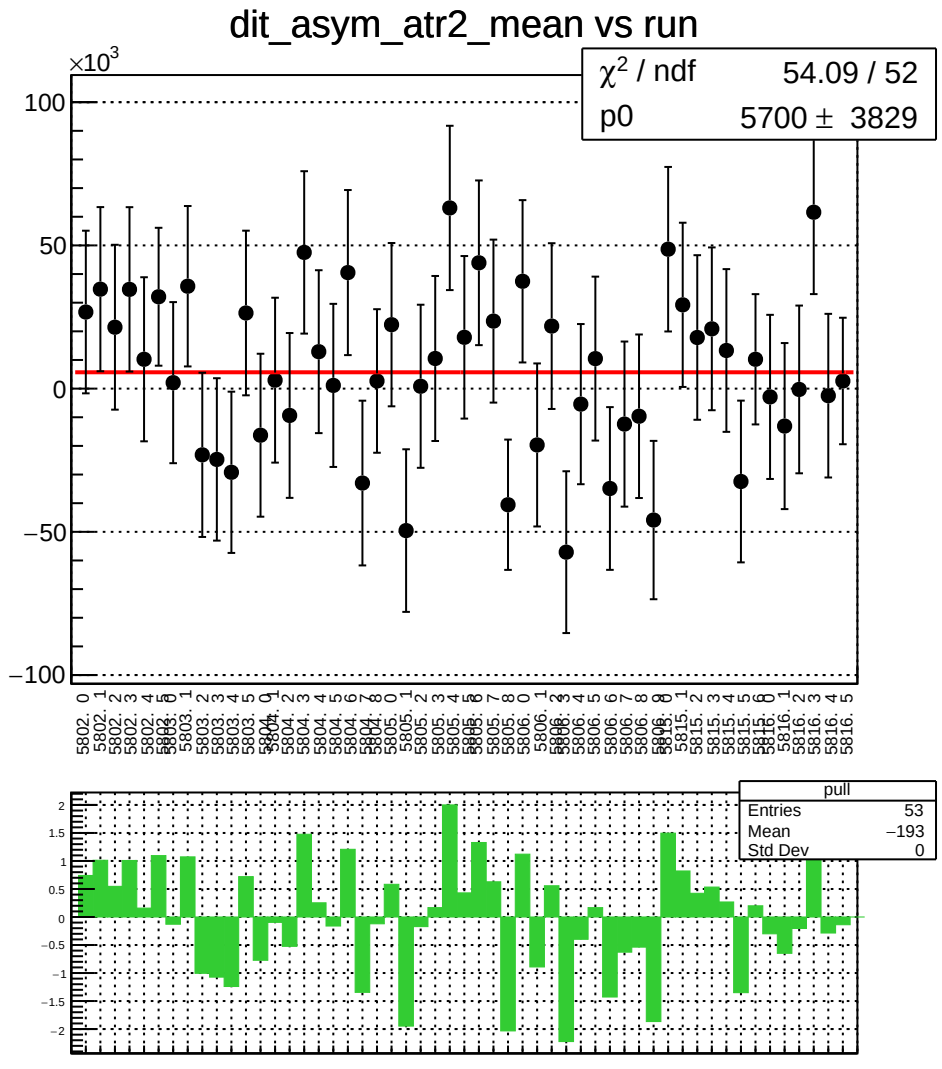

pull1D
Entries 53
Mean 0.007368
Std Dev 0.9873
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

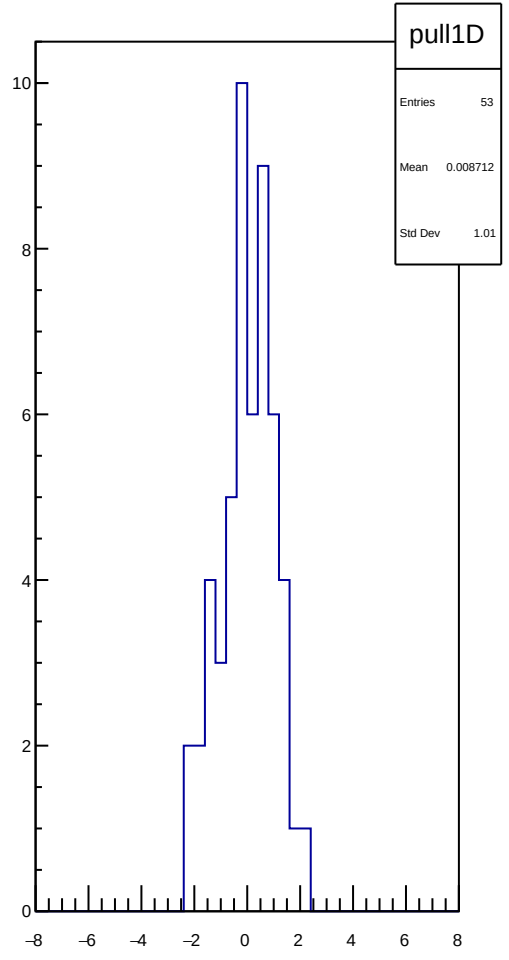

eigen_cor_asym_atr2_rms vs run
χ² / ndf 98.67 / 52
p0 2681 ± 2.679
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

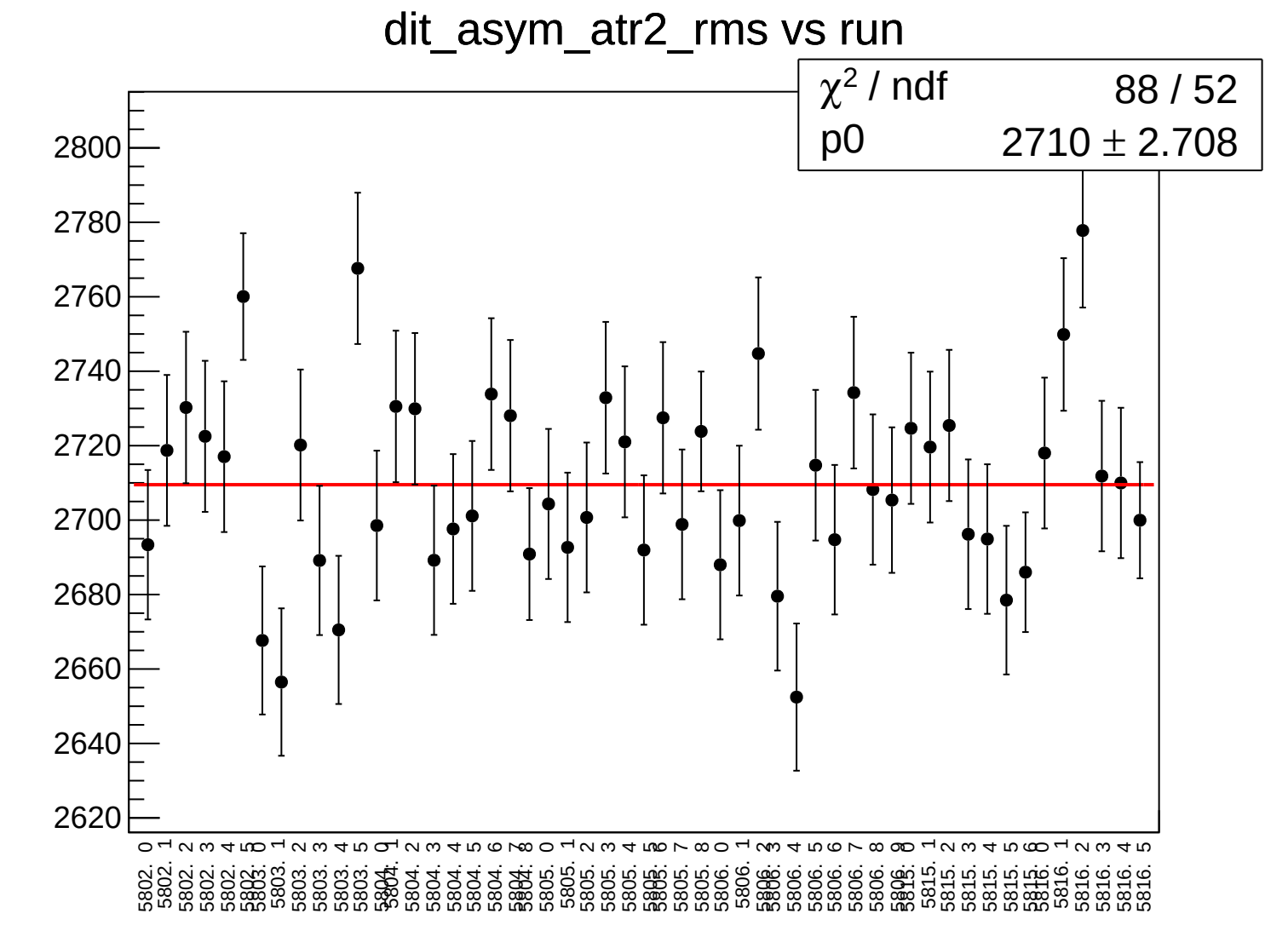

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.35 / 52
p0 −6721 ± 1.265e+04
pull
Entries 53
Mean −55.09
Std Dev 0

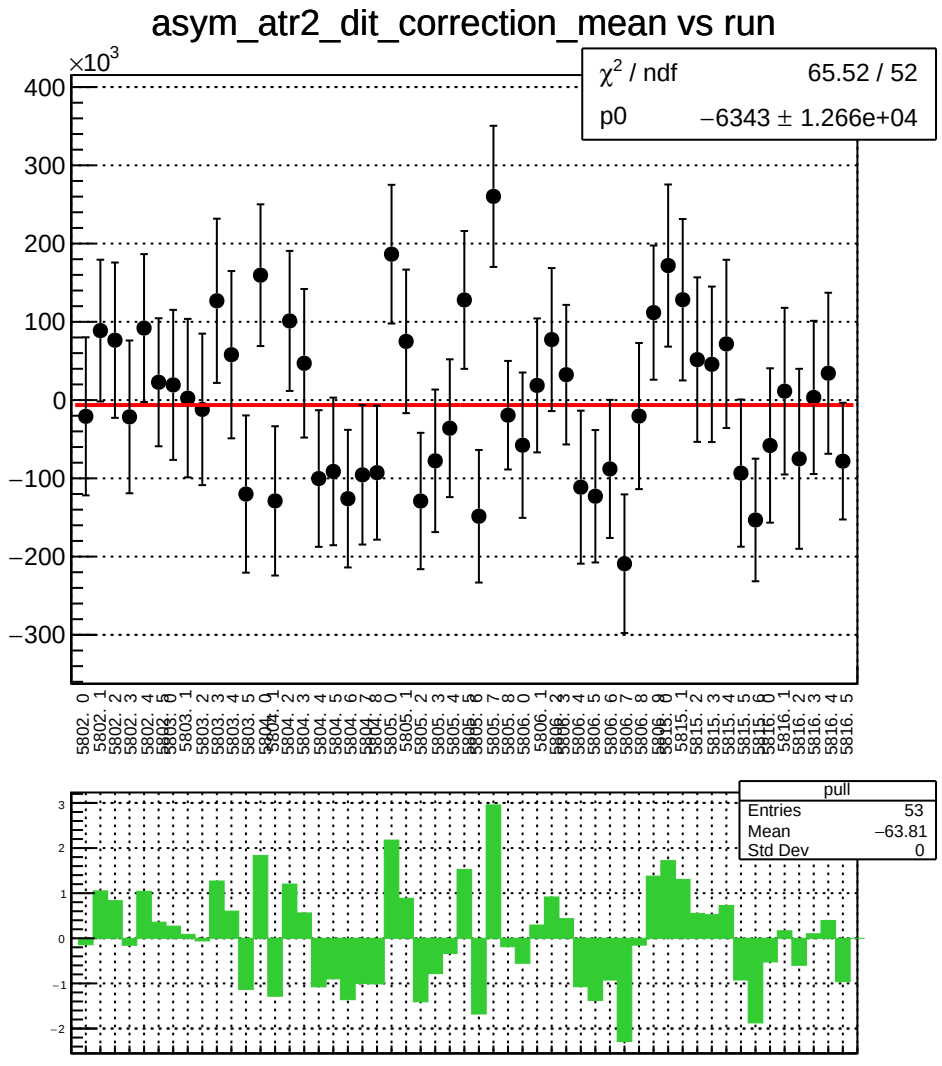

pull1D
Entries 53
Mean 0.02838
Std Dev 1.119

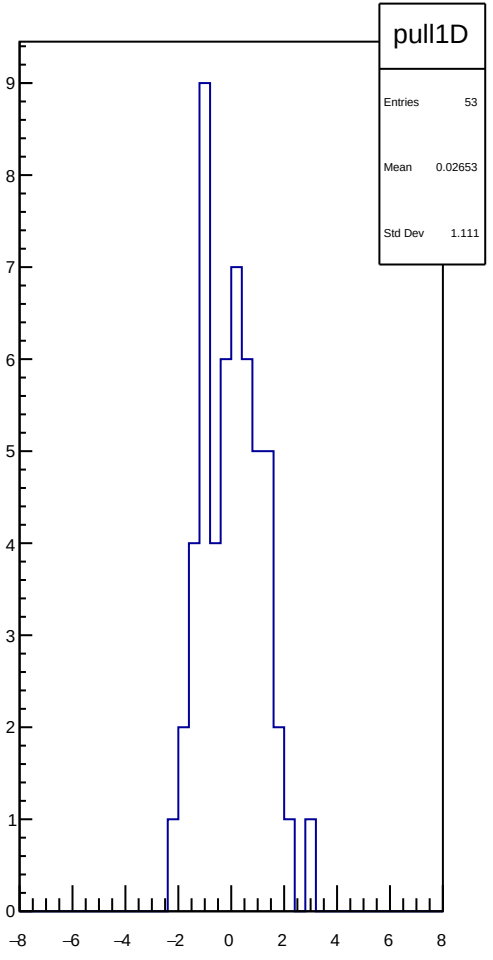

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 3793 / 52
p0 8934 ± 8.944
11000
10500
10000
9500
9000
8500
8000

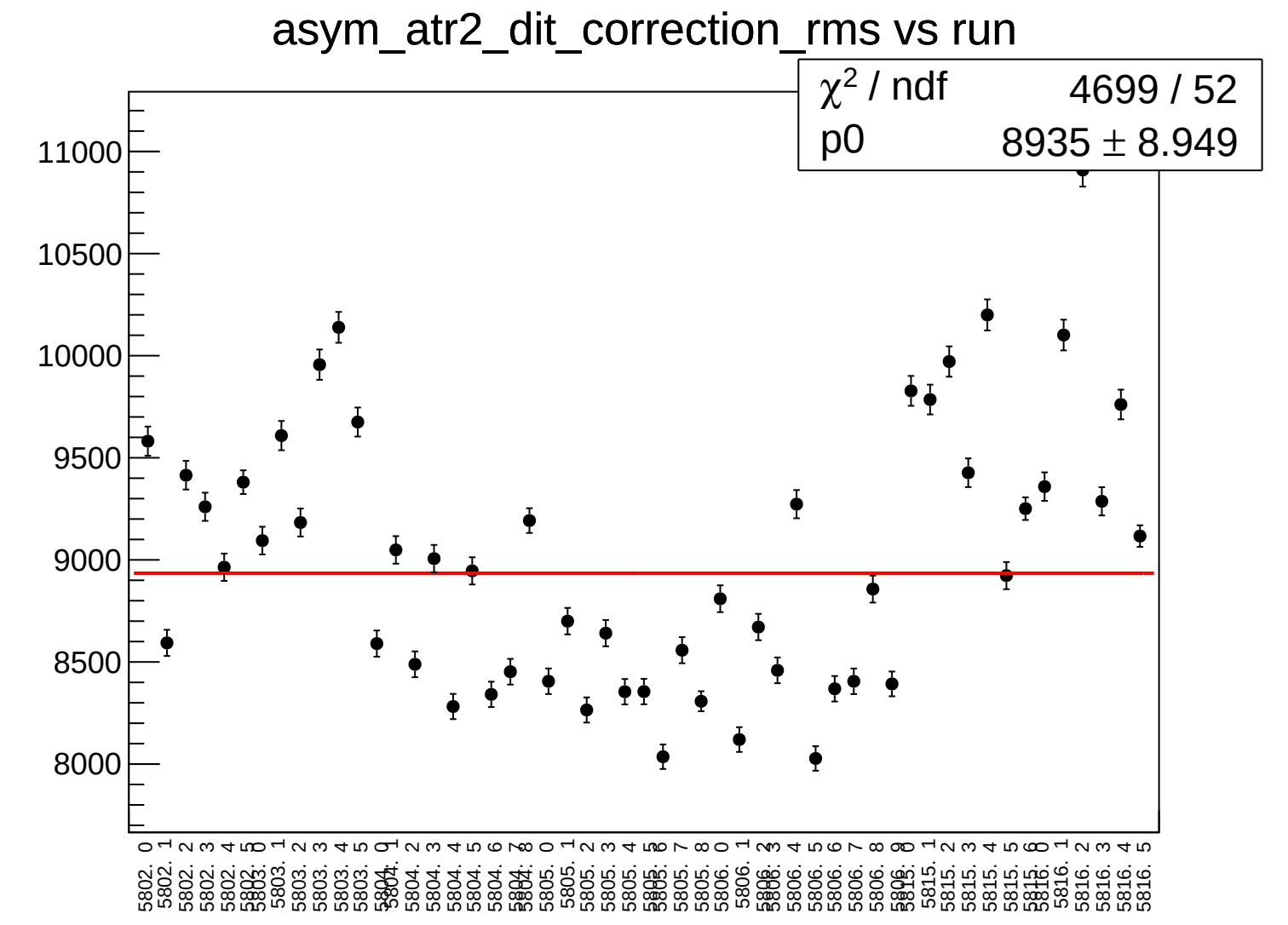

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 54.09 / 52
p0 5700 ± 3829
100
50
0
−50
−100
pull
Entries 53
Mean −193
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

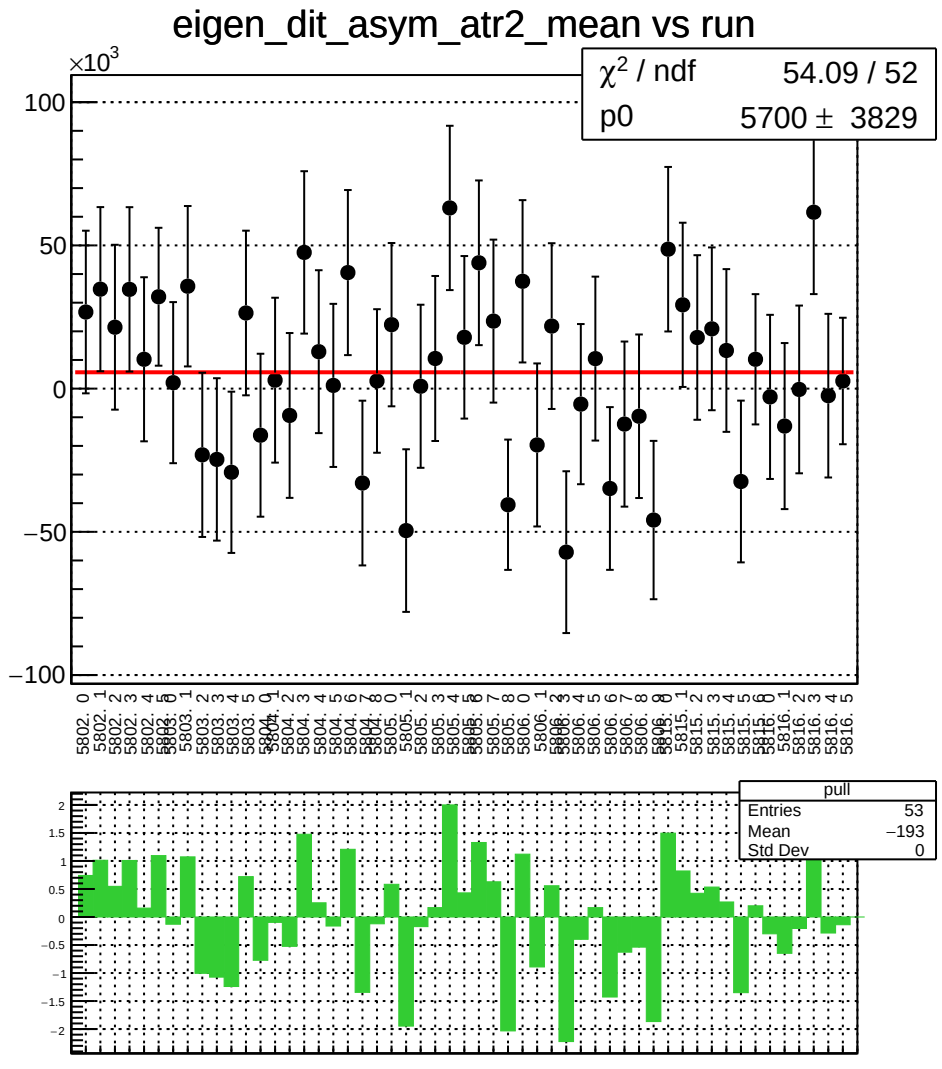

pull1D
Entries 53
Mean 0.008712
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

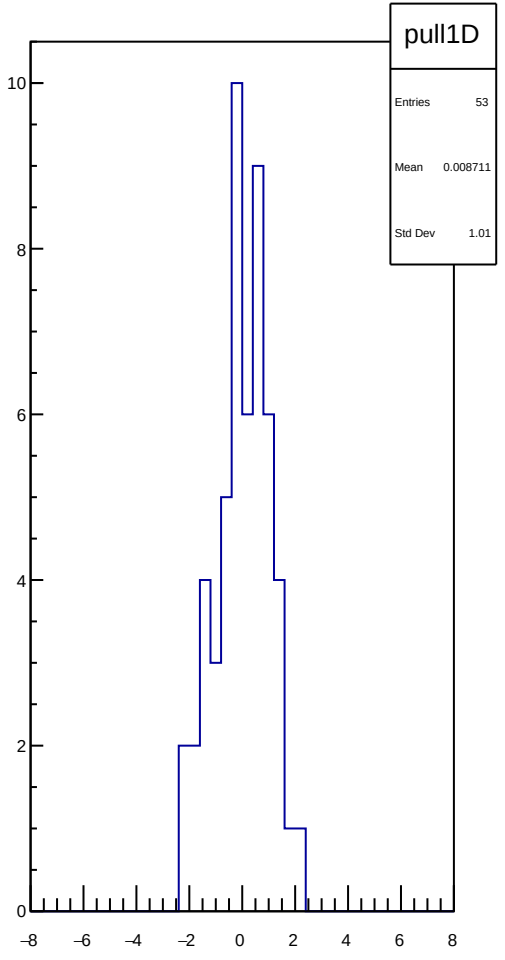

dit_asym_atr2_rms vs run
χ² / ndf 88 / 52
p0 2710 ± 2.708
2800
2780
2760
2740
2720
2700
2680
2660
2640
2620

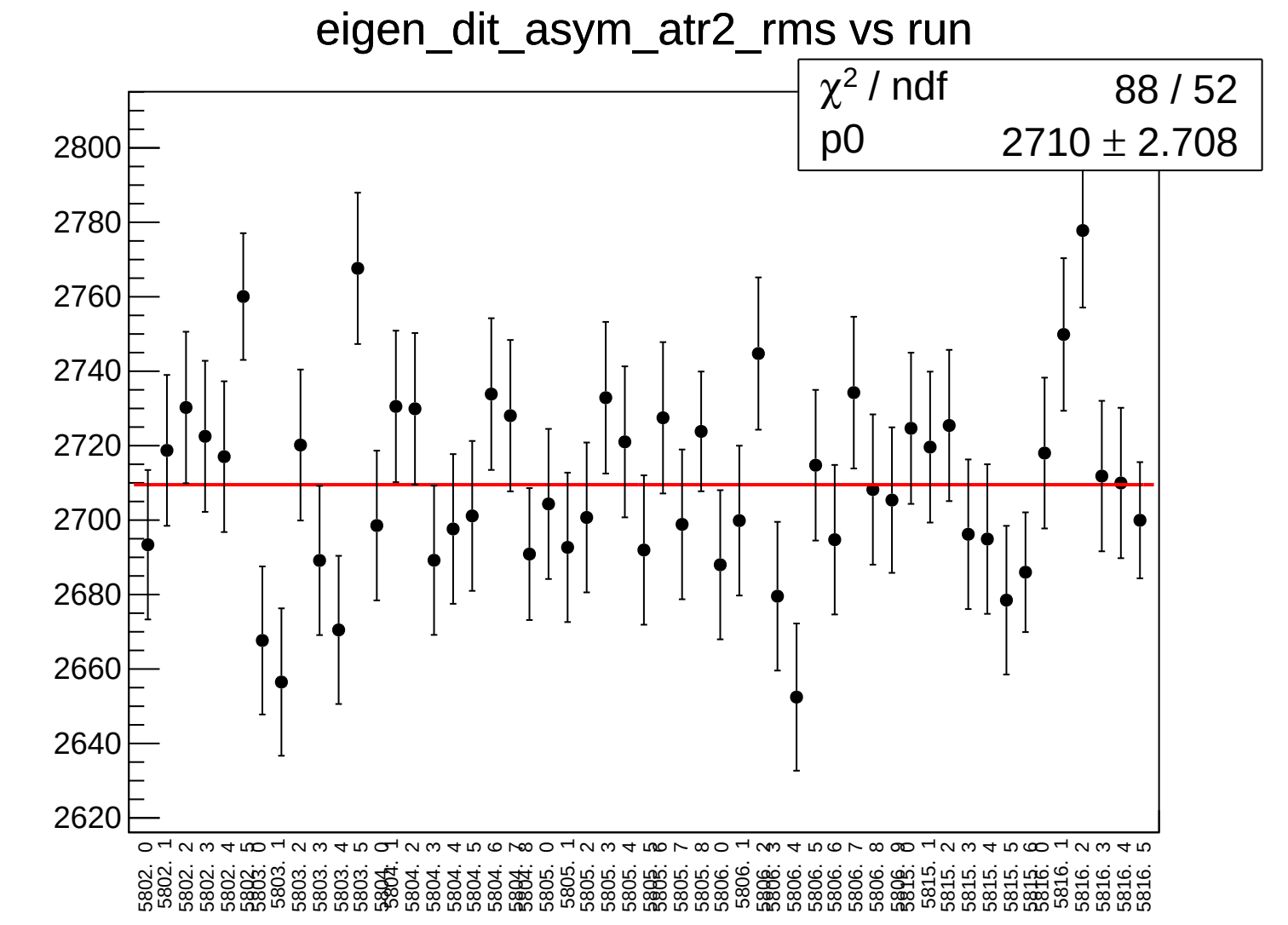

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 65.52 / 52
p0 −6343 ± 1.266e+04
pull
Entries 53
Mean −63.81
Std Dev 0

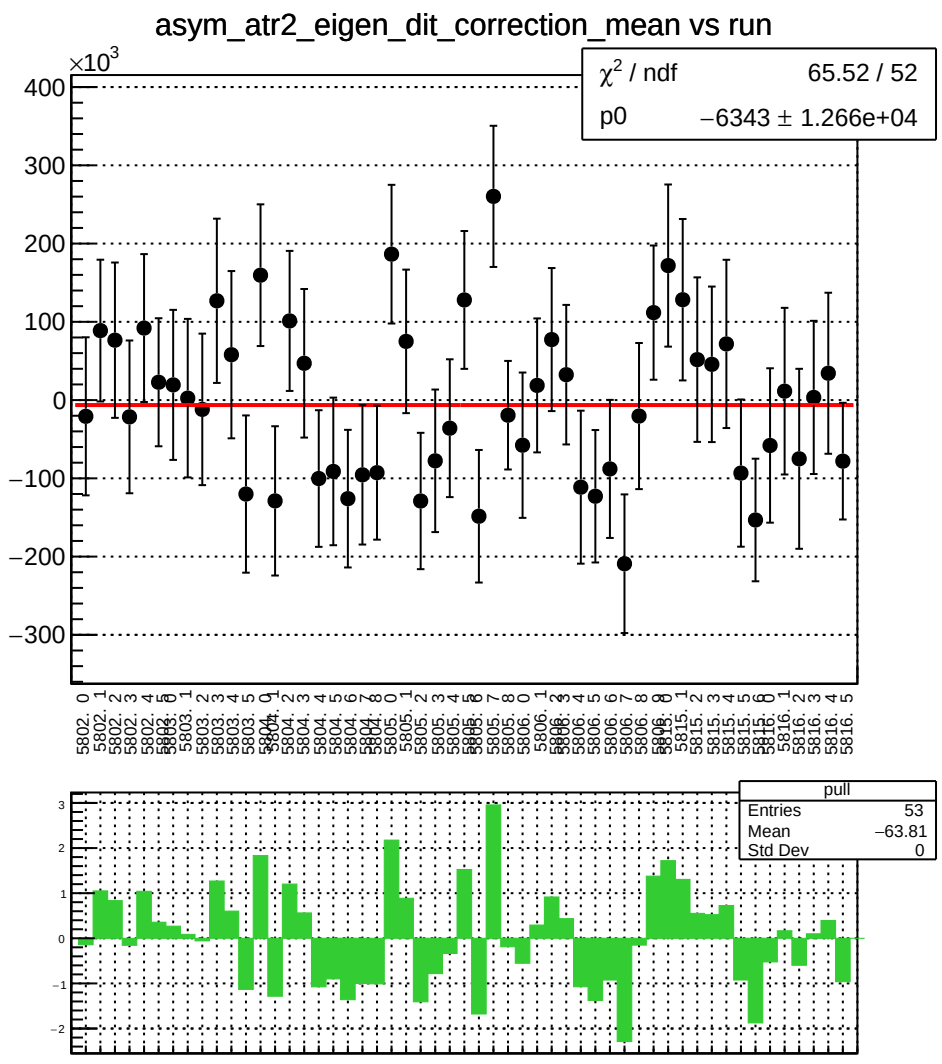

pull1D
Entries 53
Mean 0.02653
Std Dev 1.111

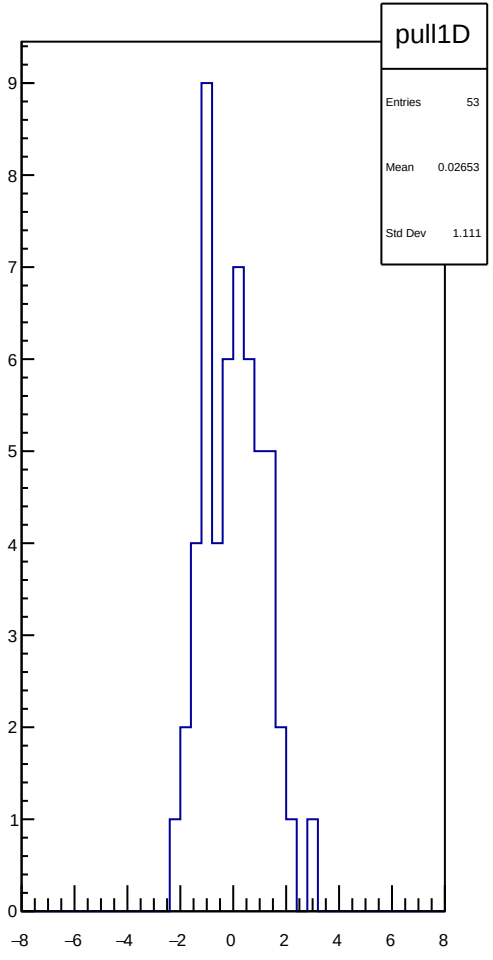

asym_atr2_dit_correction_rms vs run
χ² / ndf 4699 / 52
p0 8935 ± 8.949
11000
10500
10000
9500
9000
8500
8000

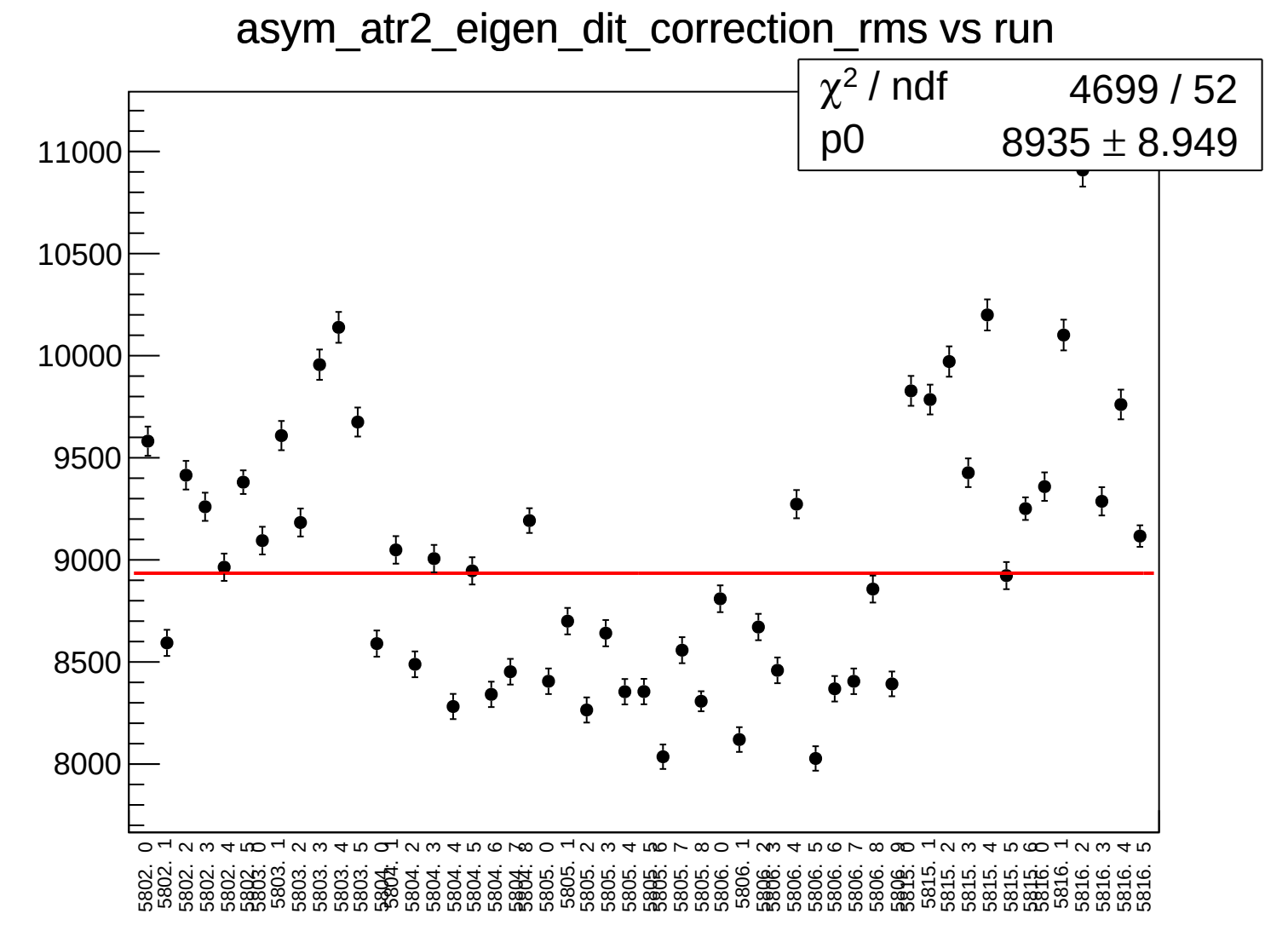

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 54.09 / 52
p0 5700 ± 3829
100
50
0
−50
−100
pull
Entries 53
Mean −193
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

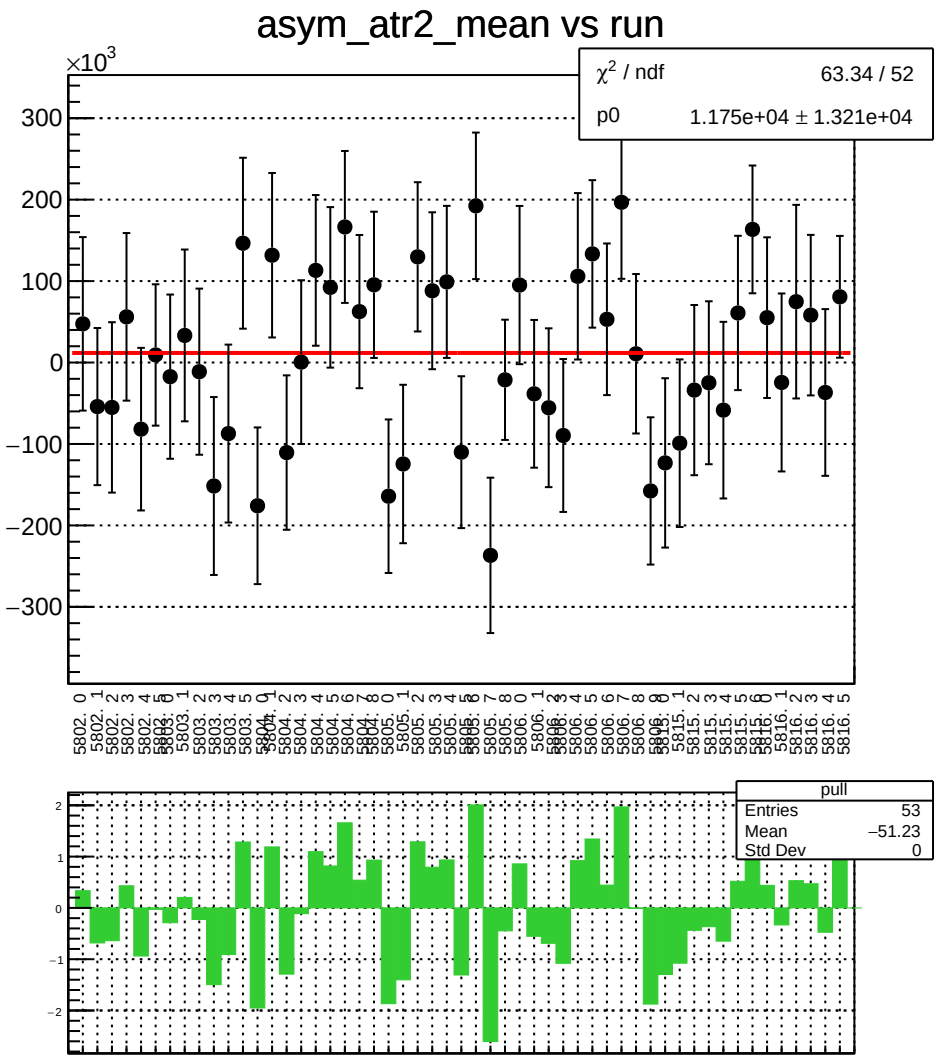

pull1D
Entries 53
Mean 0.008711
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

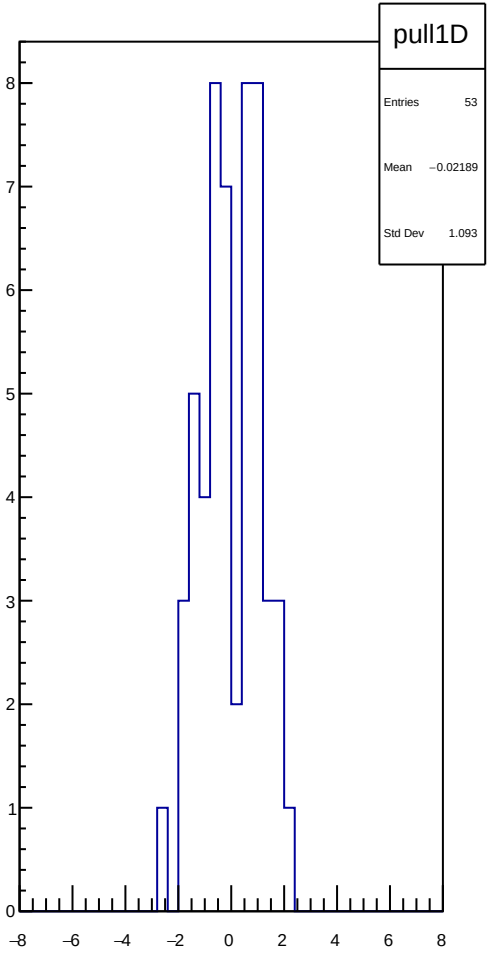

eigen_dit_asym_atr2_rms vs run
χ² / ndf 88 / 52
p0 2710 ± 2.708
2800
2780
2760
2740
2720
2700
2680
2660
2640
2620

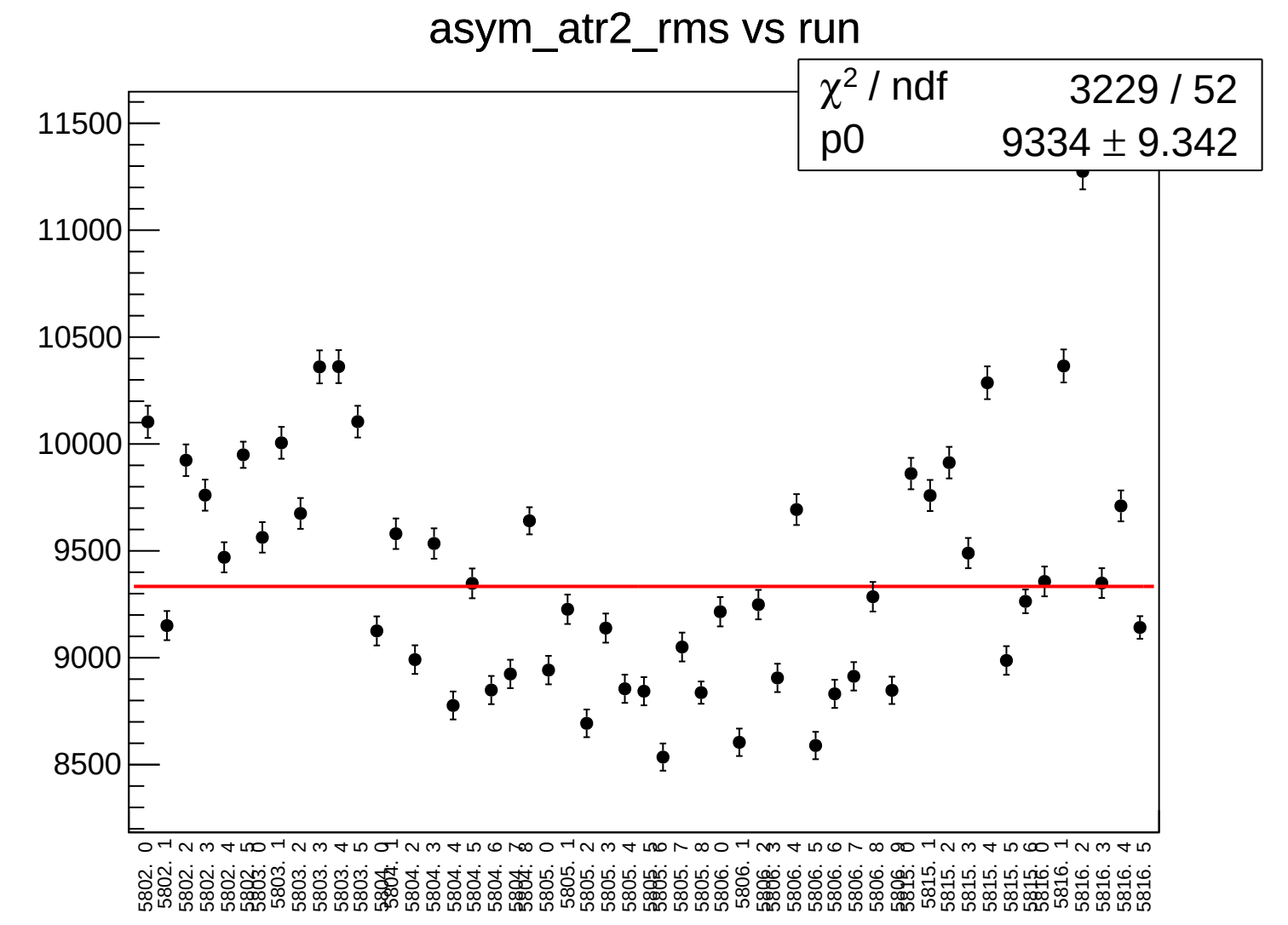

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.52 / 52
p0 −6343 ± 1.266e+04
pull
Entries 53
Mean −63.81
Std Dev 0

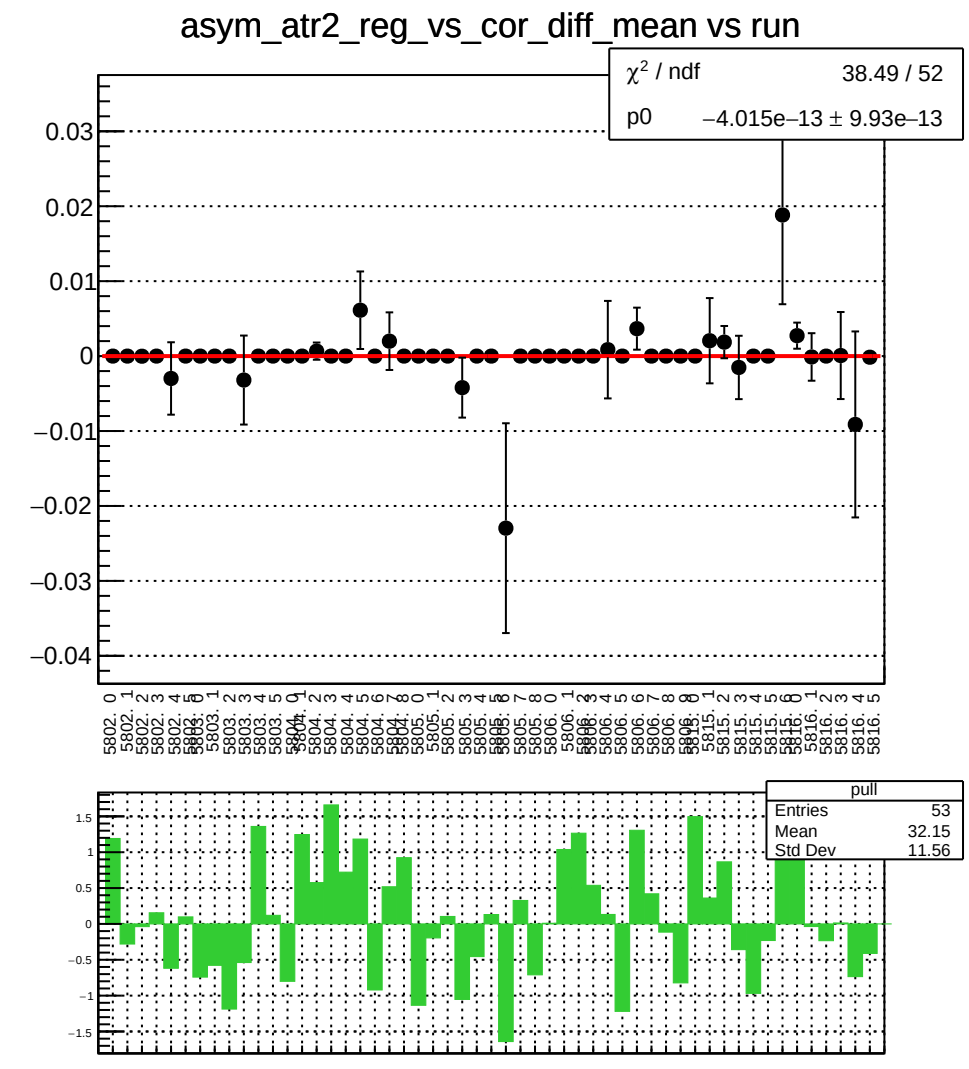

pull1D
Entries 53
Mean 0.02653
Std Dev 1.111

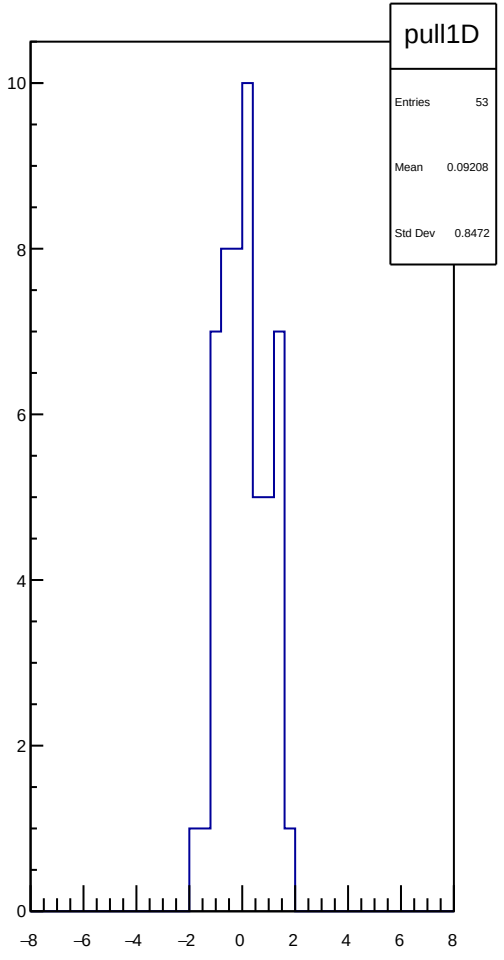

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 4699 / 52
p0 8935 ± 8.949
11000
10500
10000
9500
9000
8500
8000

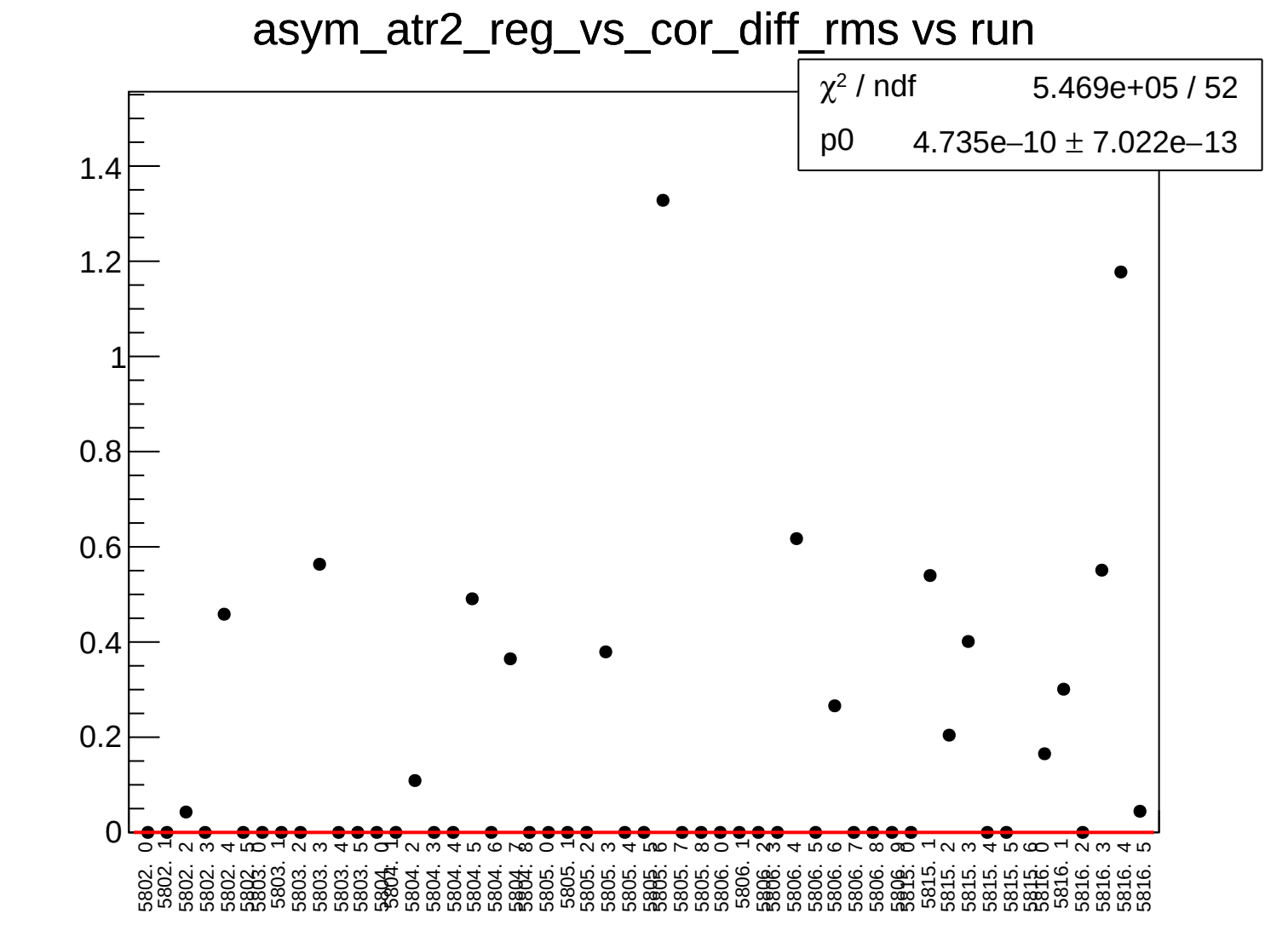

asym_atr2_mean vs run
×10^3
χ² / ndf 63.34 / 52
p0 1.175e+04 ± 1.321e+04
pull
Entries 53
Mean −51.23
Std Dev 0

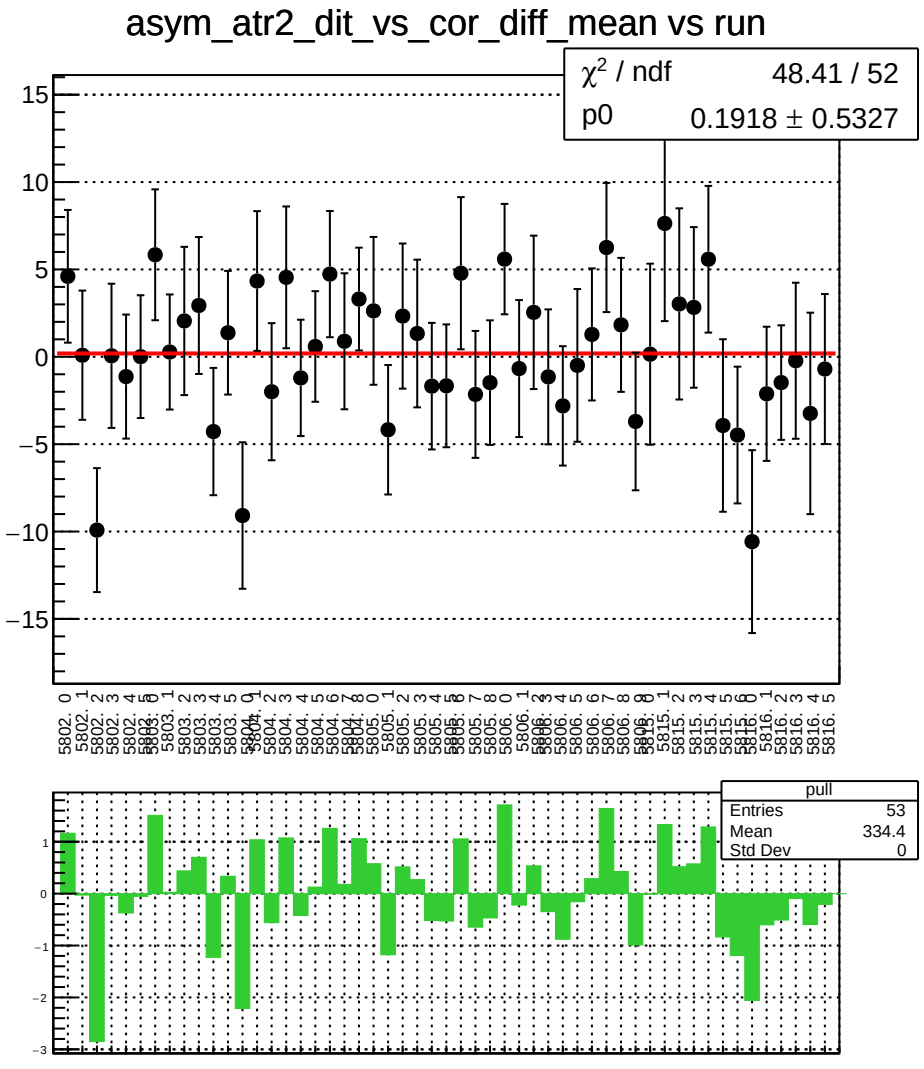

pull1D
Entries 53
Mean −0.02189
Std Dev 1.093

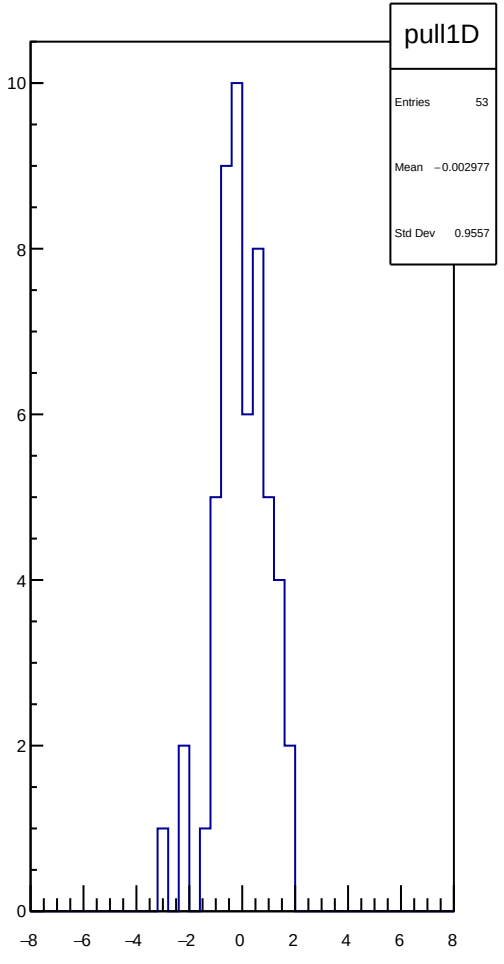

asym_atr2_rms vs run
χ² / ndf 3229 / 52
p0 9334 ± 9.342
11500
11000
10500
10000
9500
9000
8500

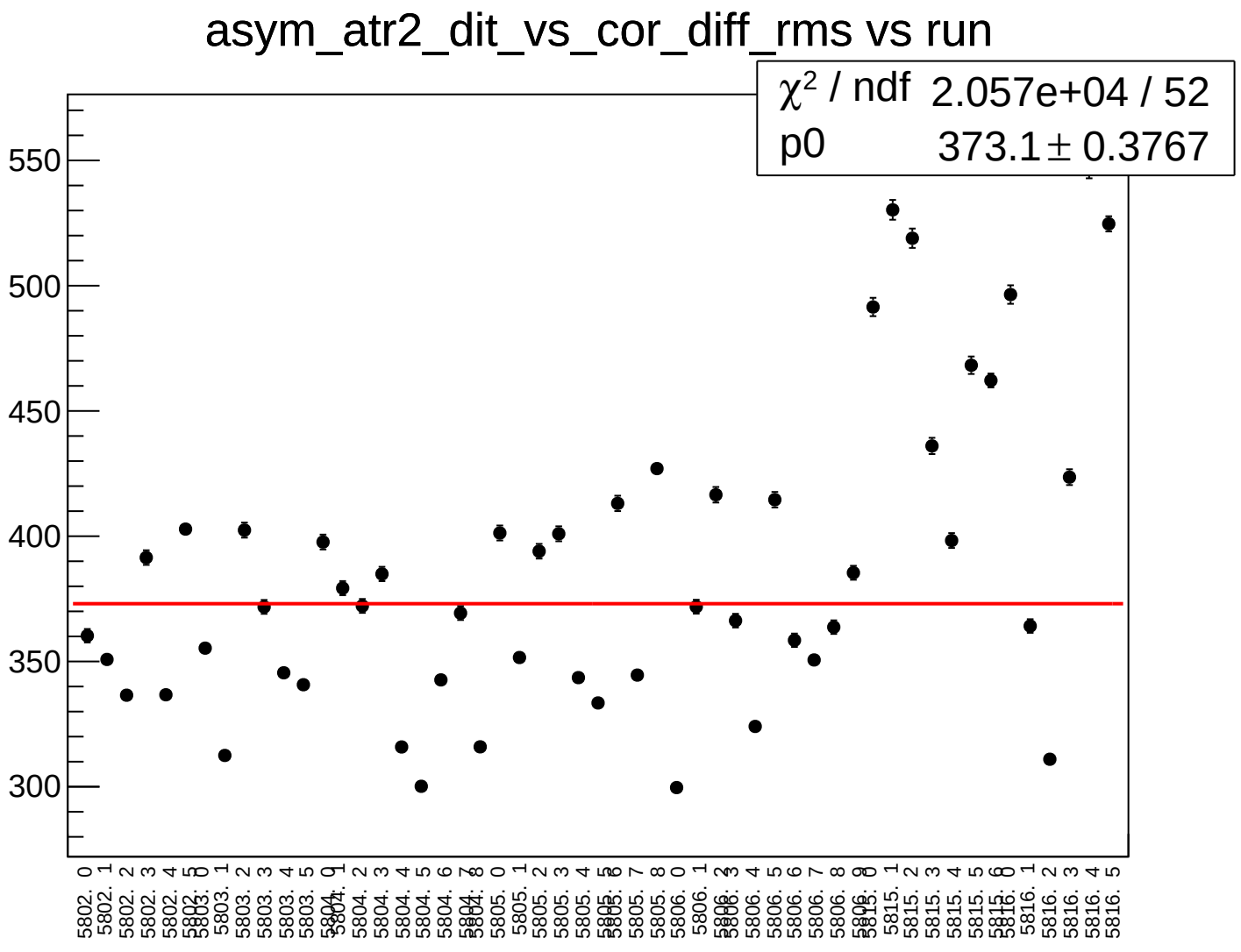

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 38.49 / 52
p0 −4.015e−13 ± 9.93e−13
pull
Entries 53
Mean 32.15
Std Dev 11.56

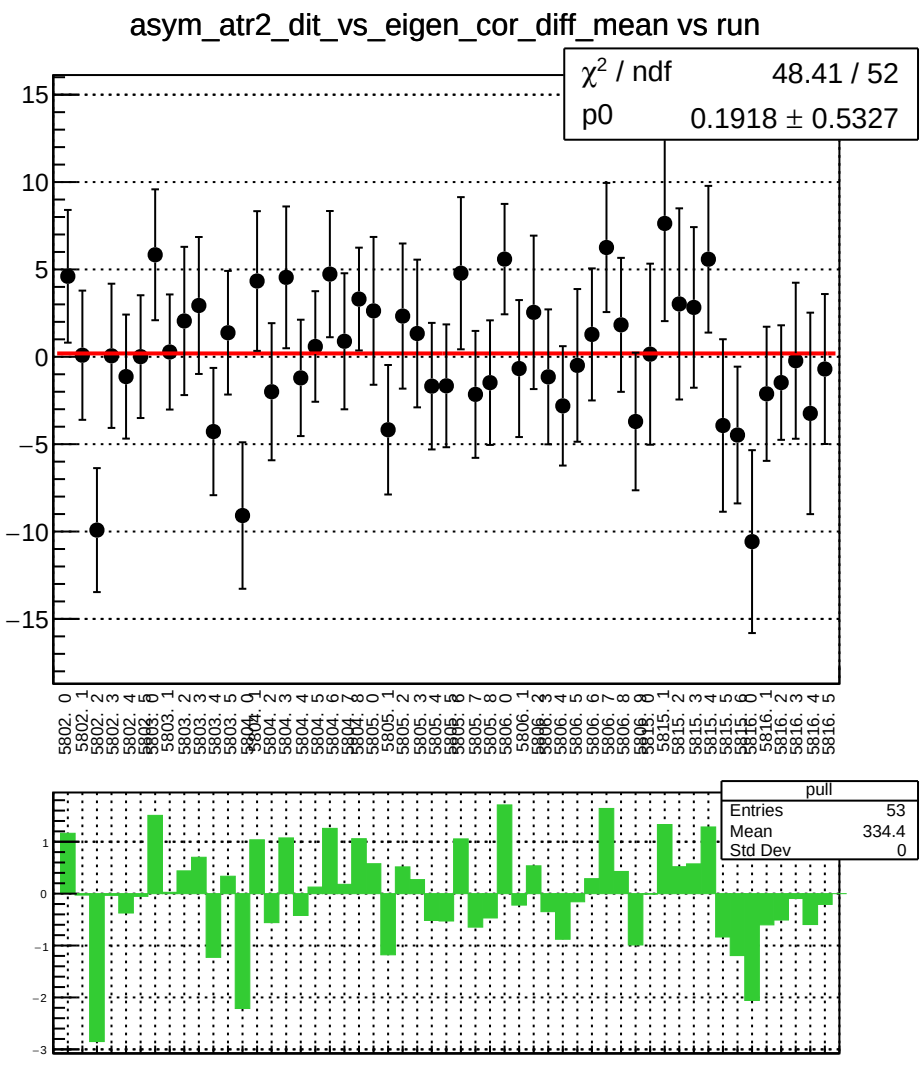

pull1D
Entries 53
Mean 0.09208
Std Dev 0.8472

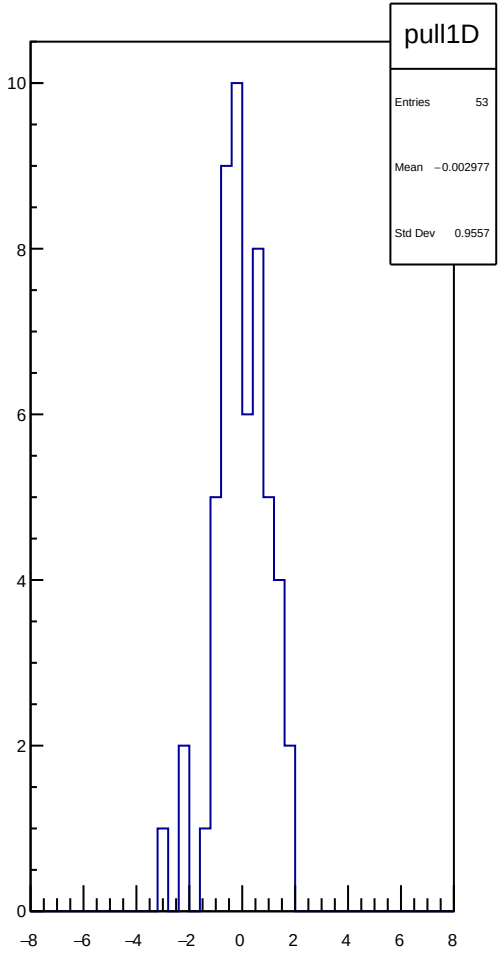

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.469e+05 / 52
p0 4.735e−10 ± 7.022e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

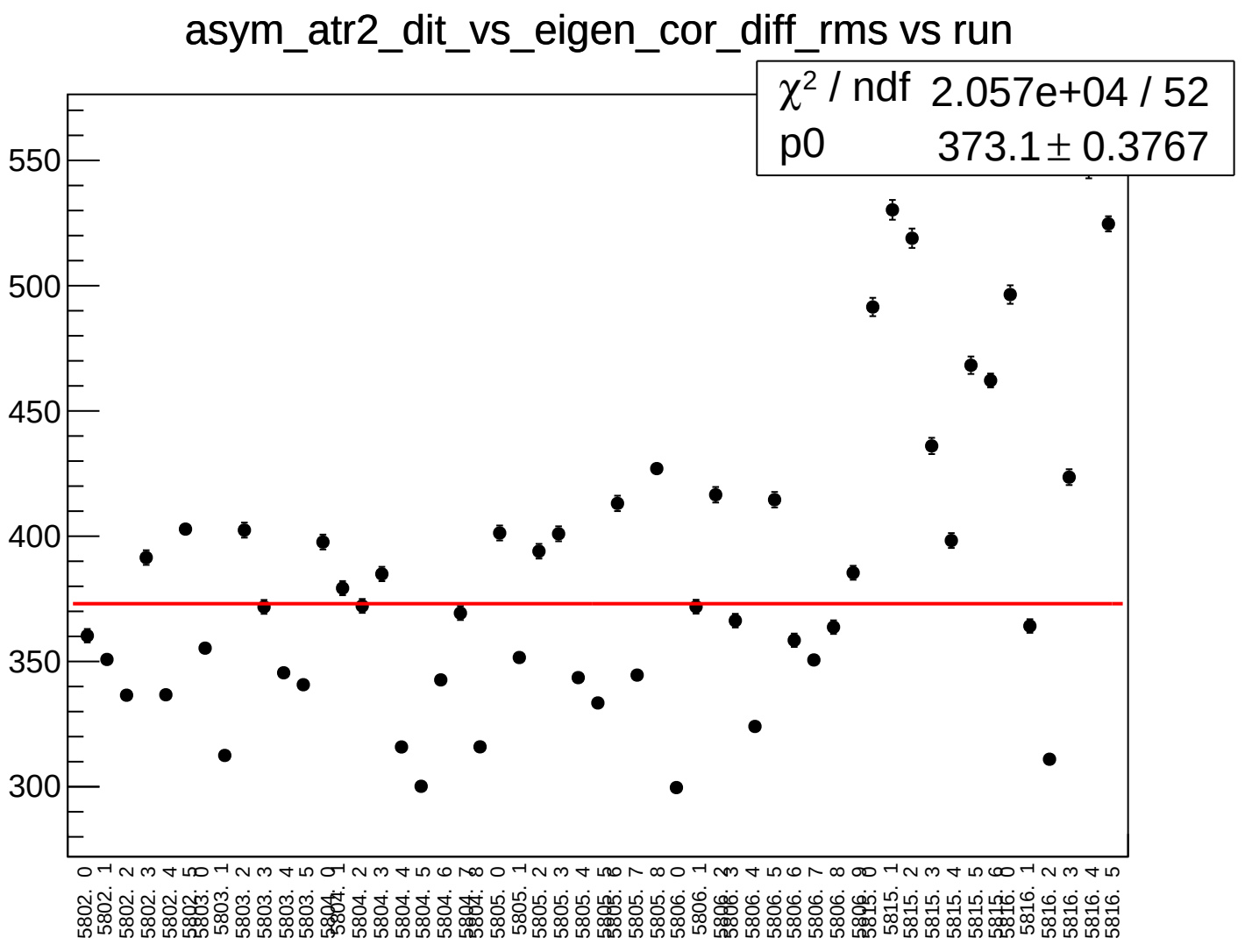

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 48.41 / 52
p0 0.1918 ± 0.5327
pull
Entries 53
Mean 334.4
Std Dev 0

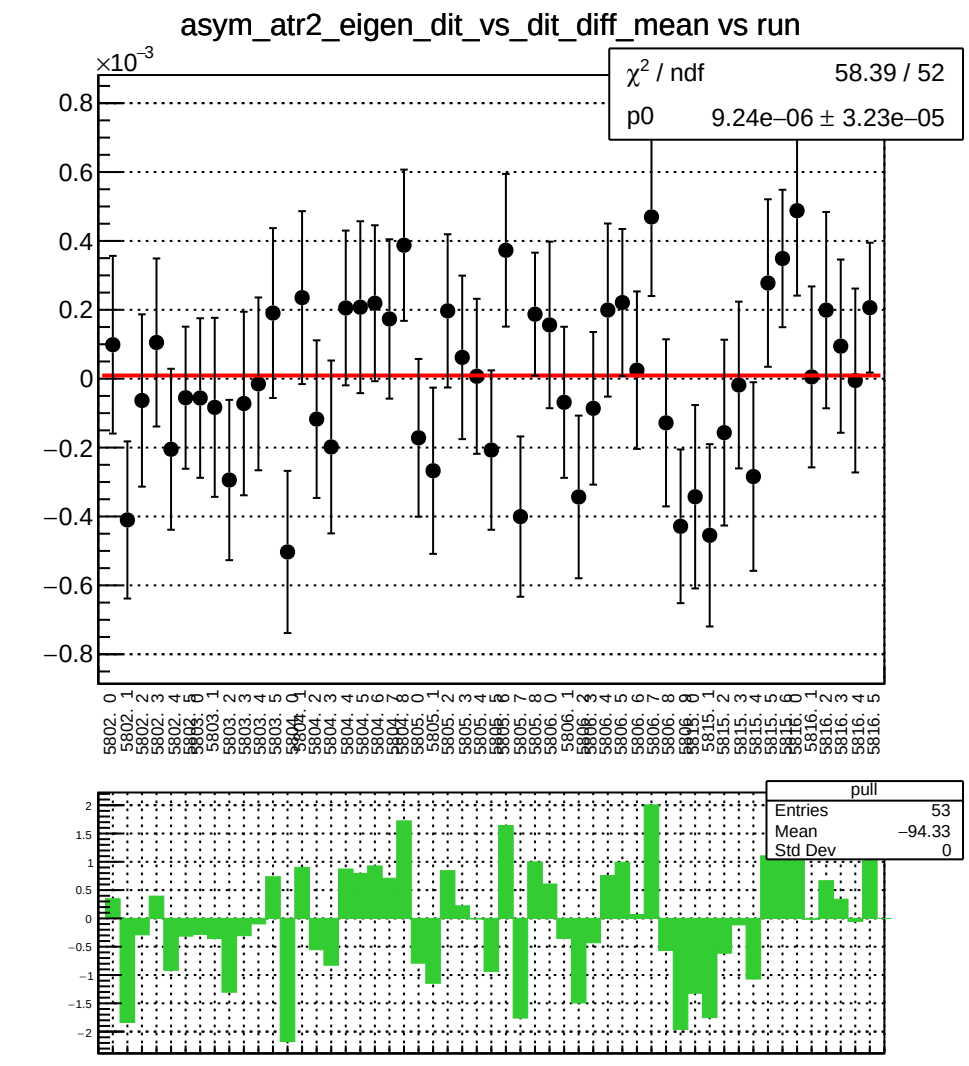

pull1D
Entries 53
Mean −0.002977
Std Dev 0.9557

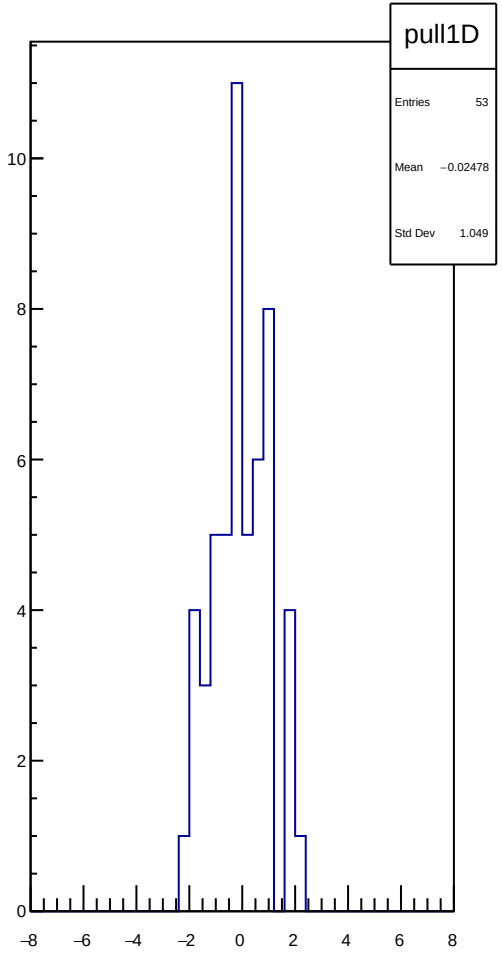

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.057e+04 / 52
p0 373.1 ± 0.3767
550
500
450
400
350
300

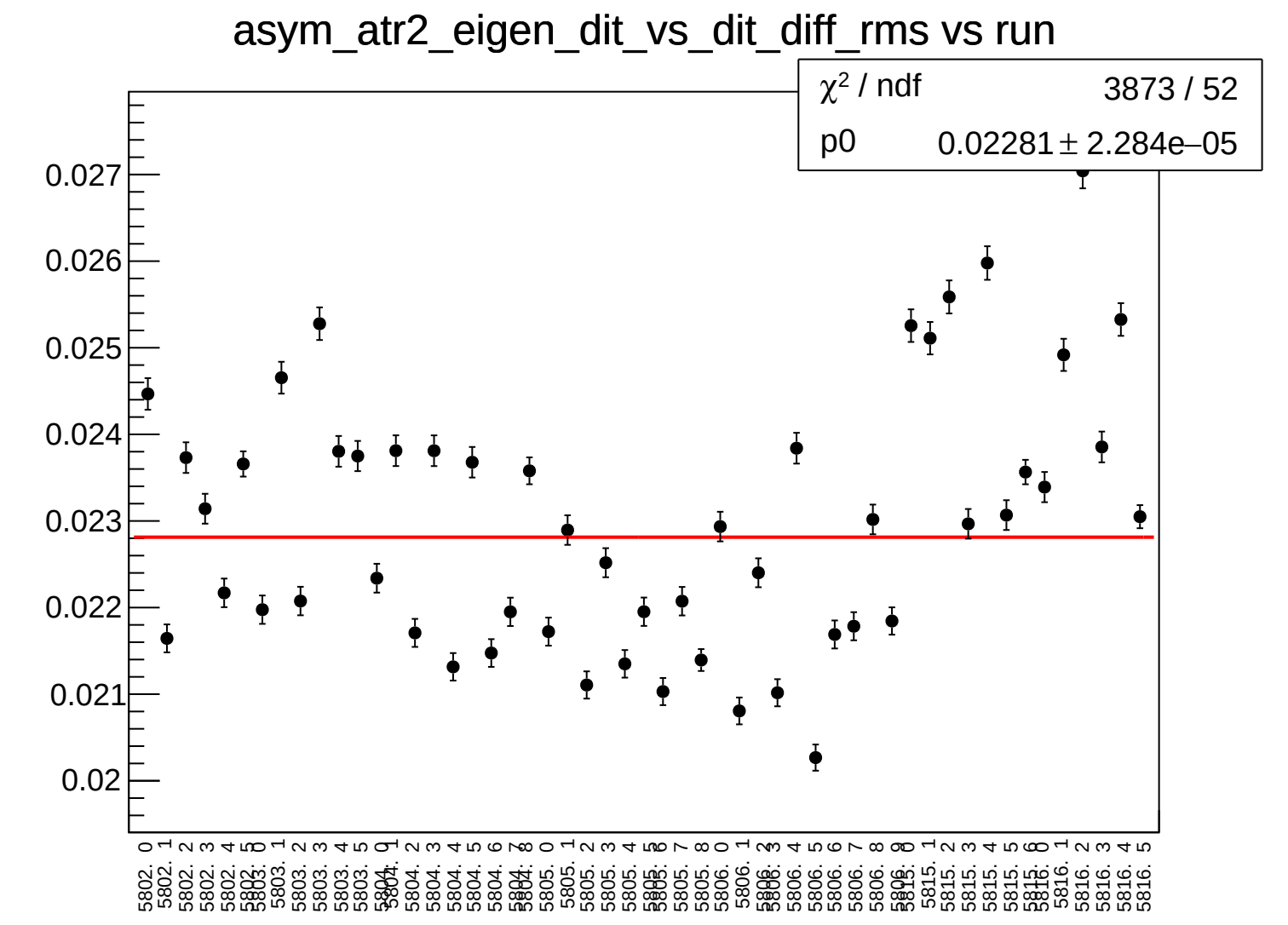

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.41 / 52
p0 0.1918 ± 0.5327
pull
Entries 53
Mean 334.4
Std Dev 0

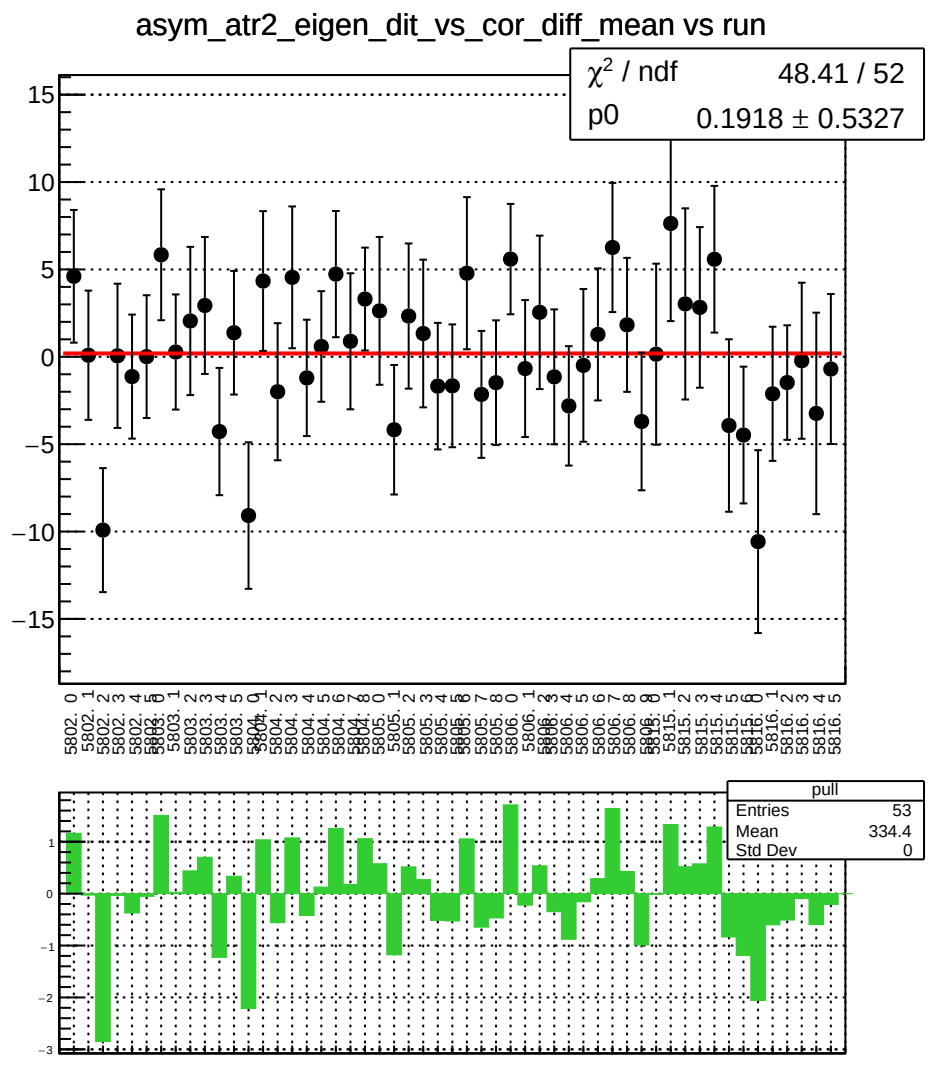

pull1D
Entries 53
Mean −0.002977
Std Dev 0.9557

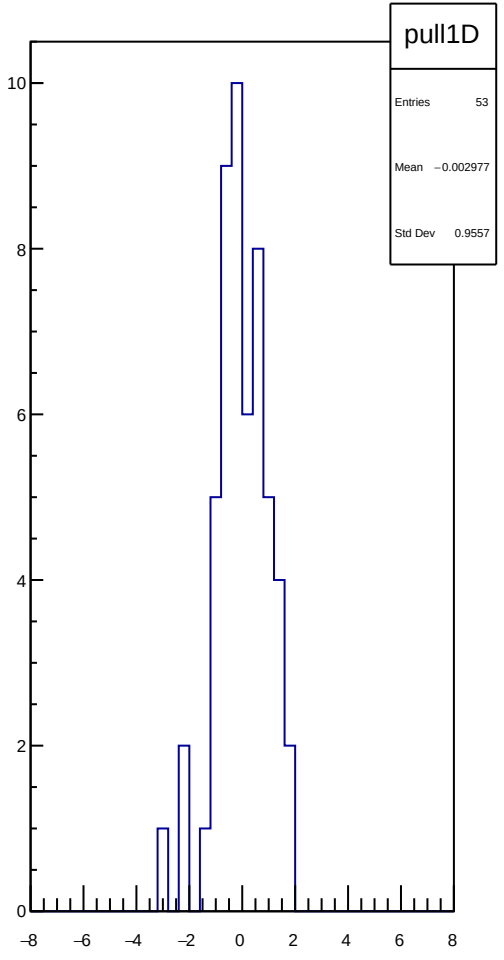

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.057e+04 / 52
p0 373.1 ± 0.3767
550
500
450
400
350
300

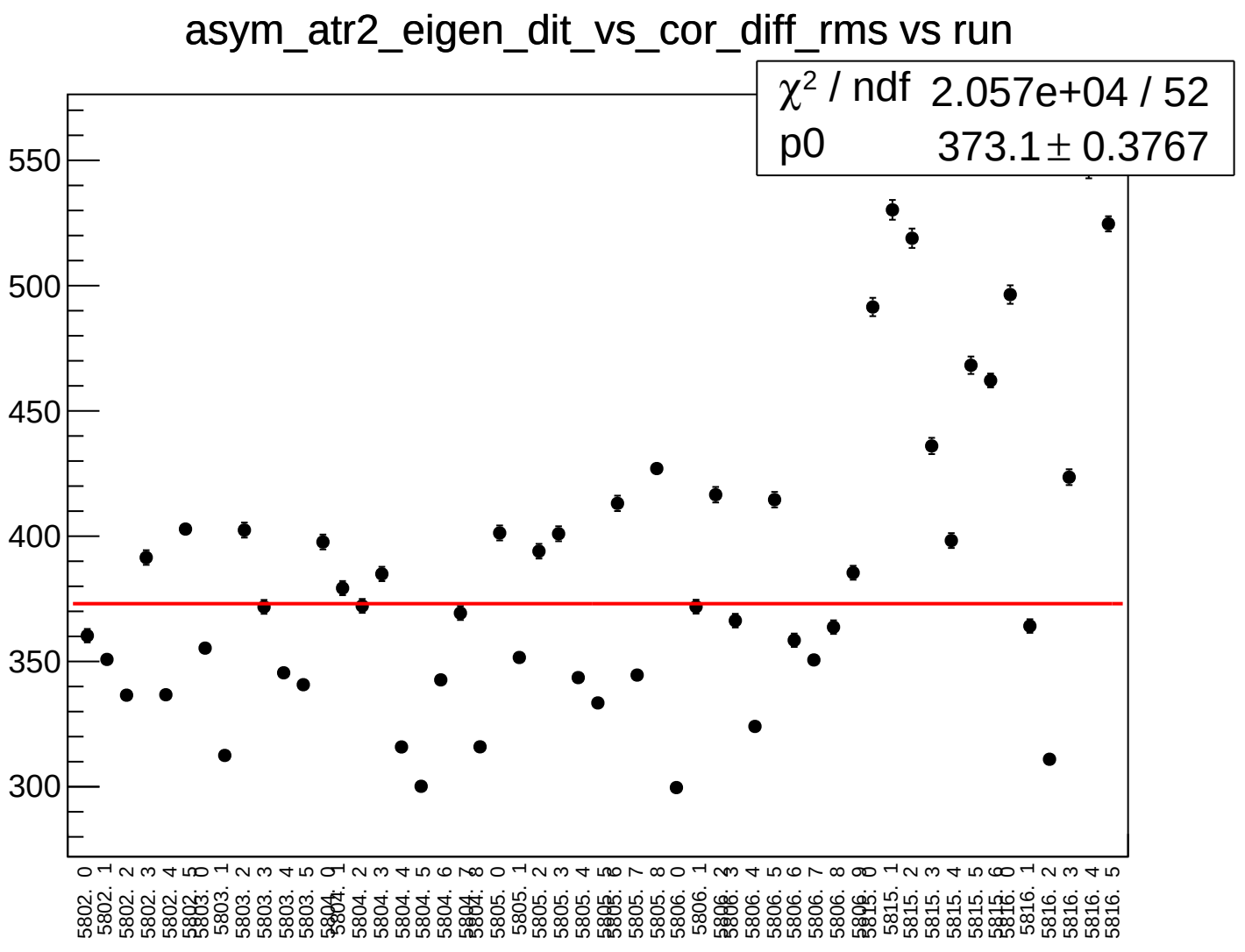

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.39 / 52
p0 9.24e−06 ± 3.23e−05
pull
Entries 53
Mean −94.33
Std Dev 0

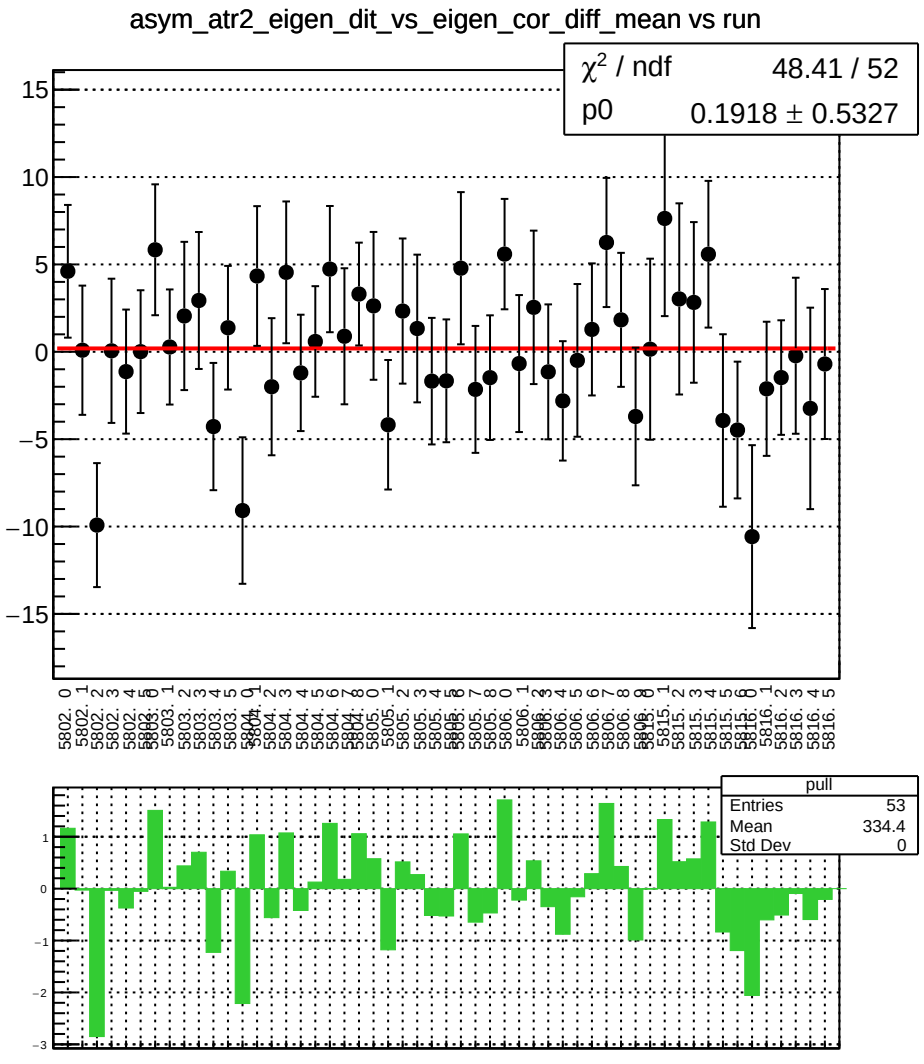

pull1D
Entries 53
Mean −0.02478
Std Dev 1.049

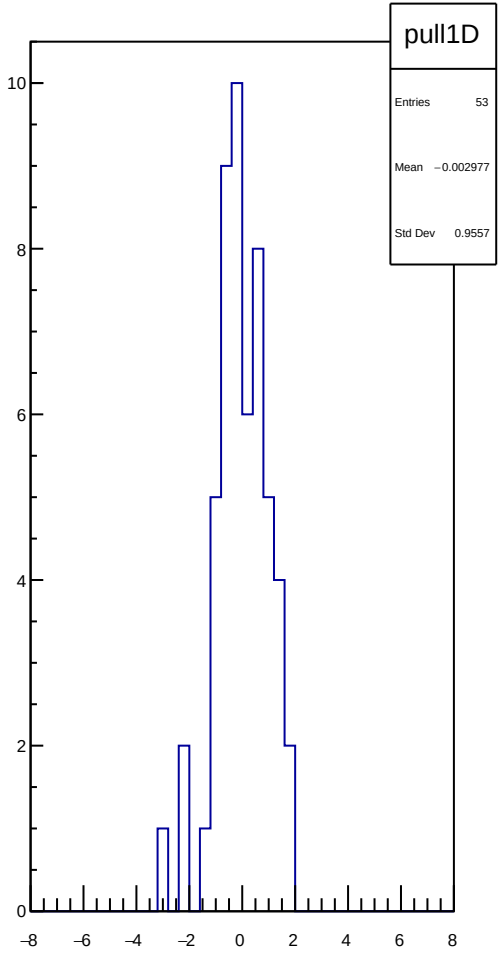

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3873 / 52
p0 0.02281 ± 2.284e−05
0.027
0.026
0.025
0.024
0.023
0.022
0.021
0.02

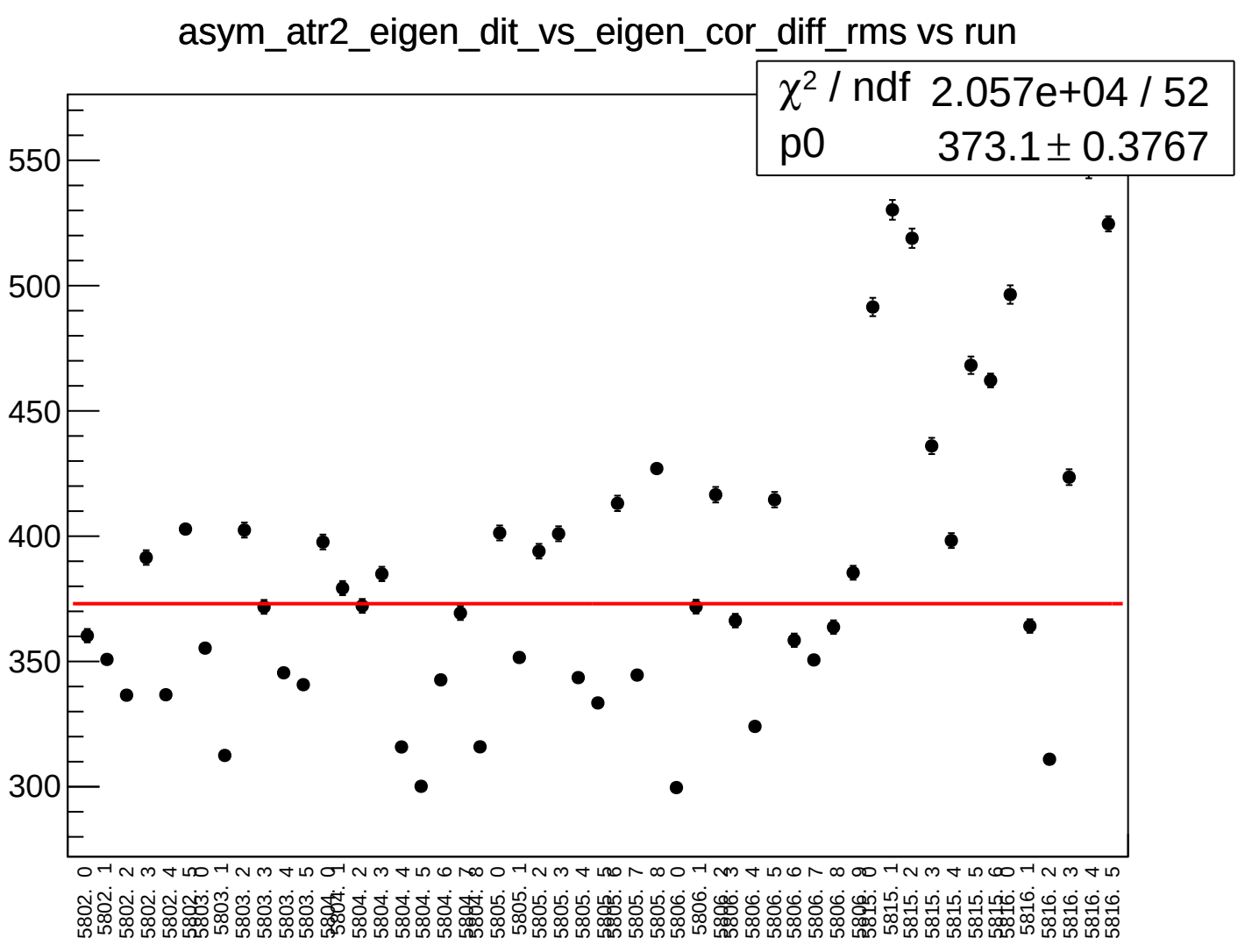

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.41 / 52
p0 0.1918 ± 0.5327
pull
Entries 53
Mean 334.4
Std Dev 0

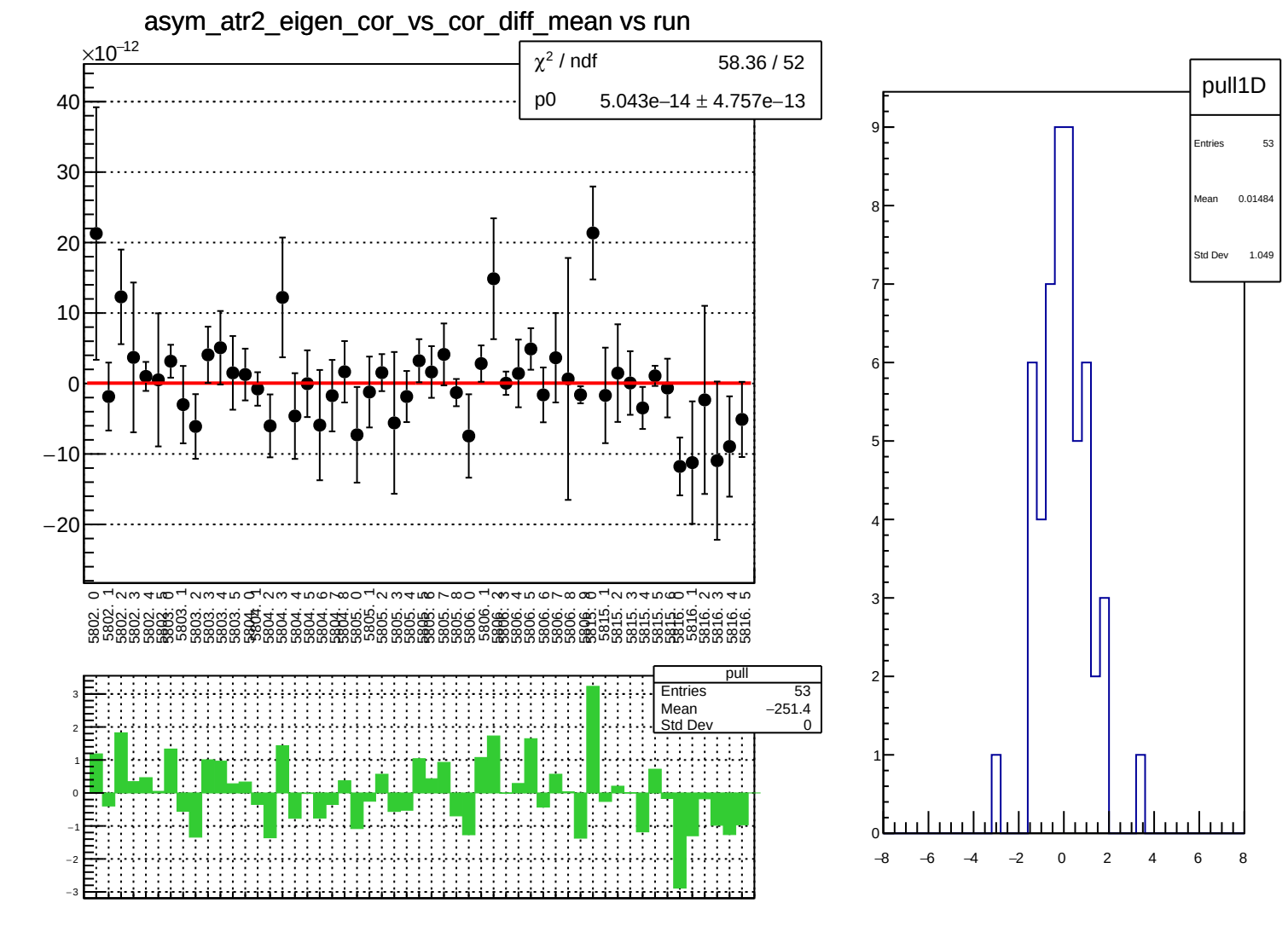

pull1D
Entries 53
Mean −0.002977
Std Dev 0.9557

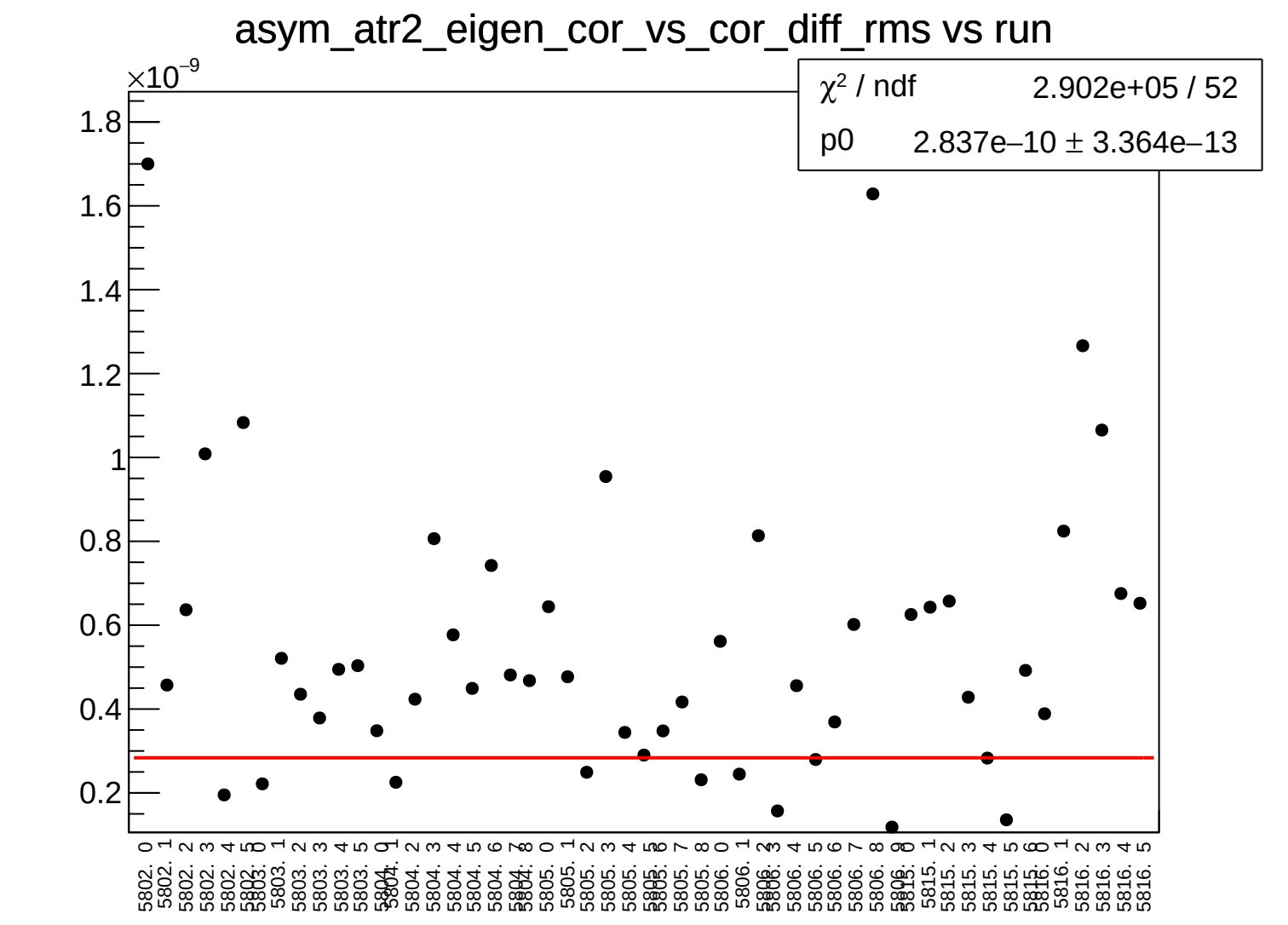

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.057e+04 / 52
p0 373.1 ± 0.3767
550
500
450
400
350
300

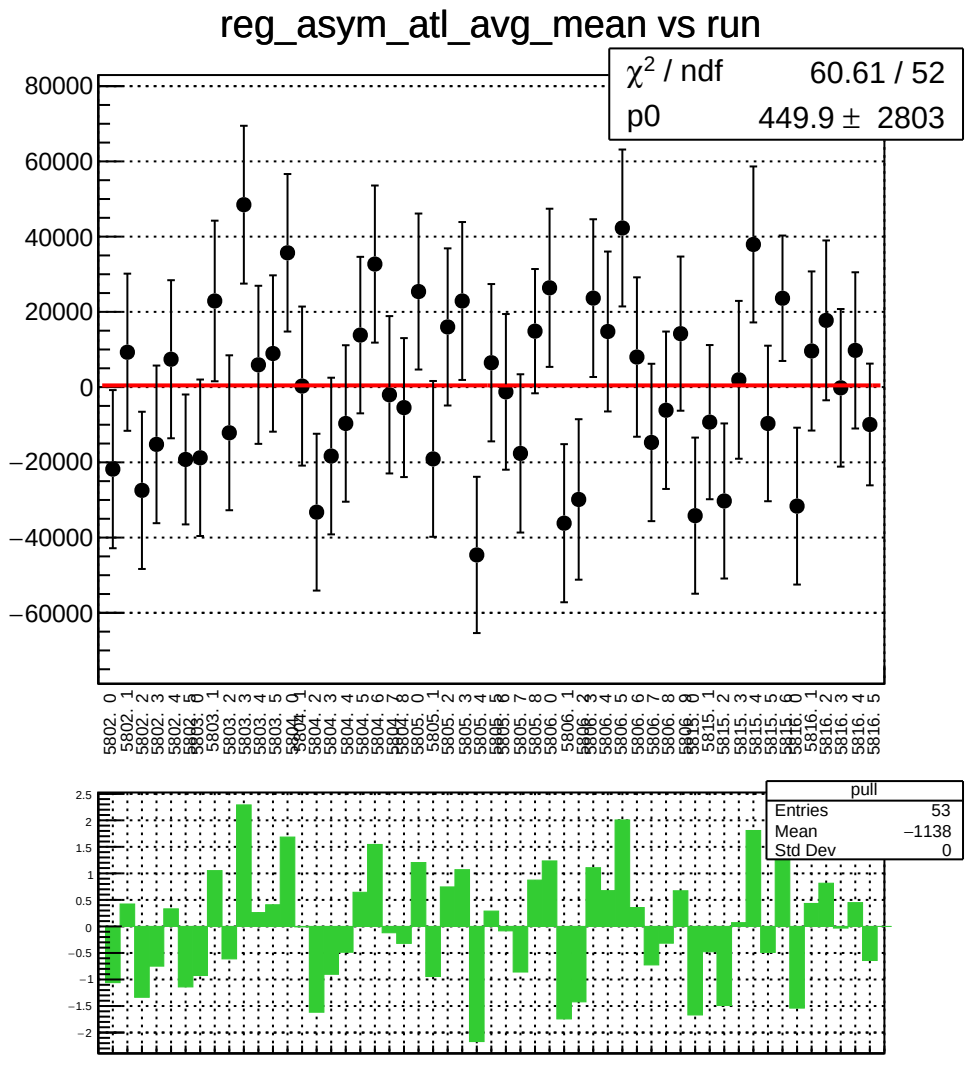

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.41 / 52
p0 0.1918 ± 0.5327
pull
Entries 53
Mean 334.4
Std Dev 0

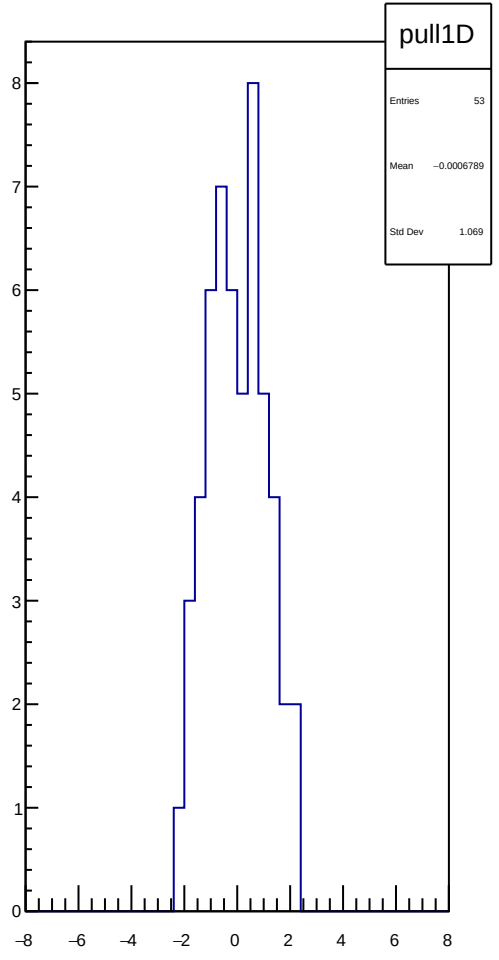

pull1D
Entries 53
Mean −0.002977
Std Dev 0.9557

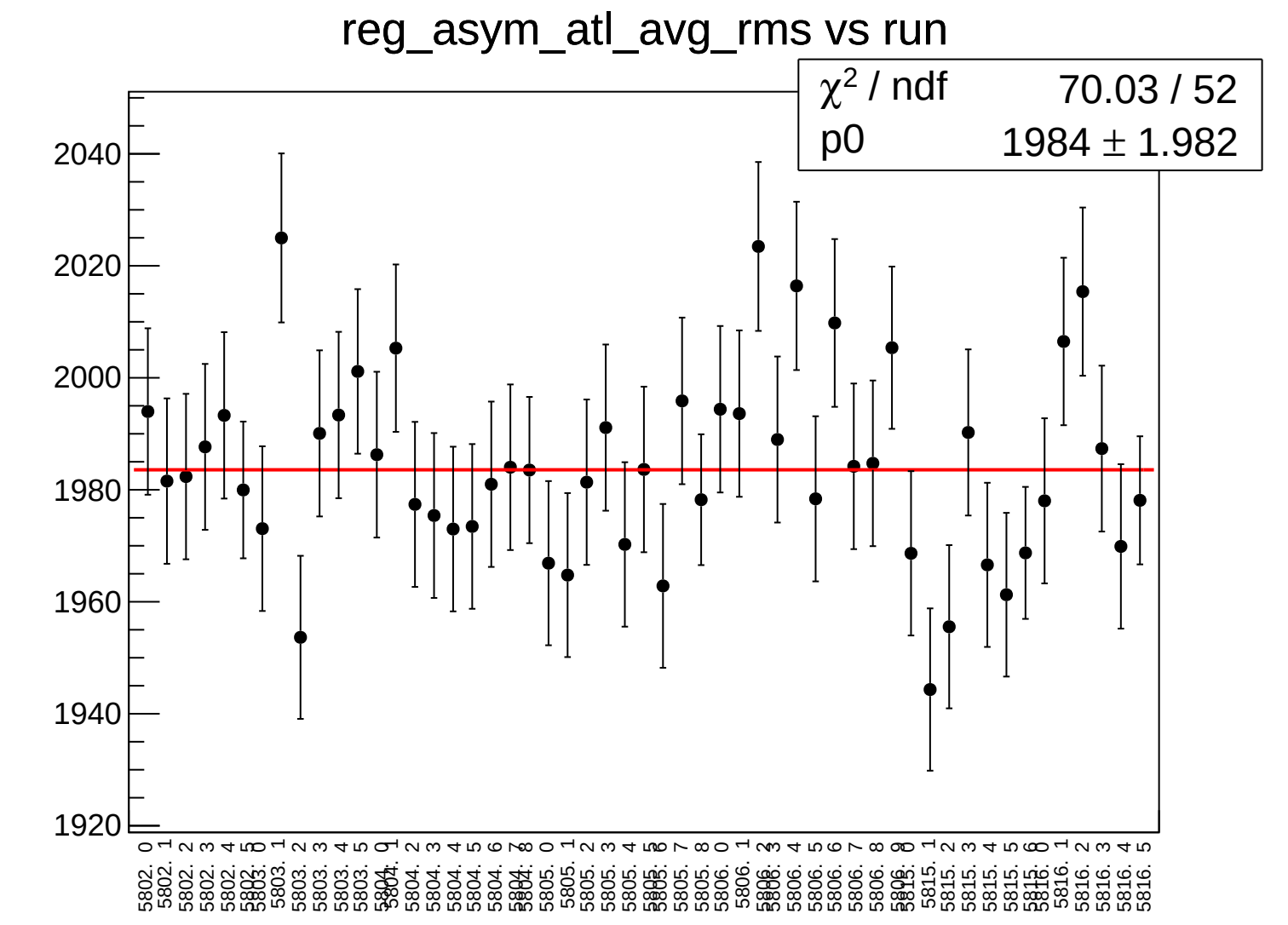

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.057e+04 / 52
p0 373.1 ± 0.3767
550
500
450
400
350
300

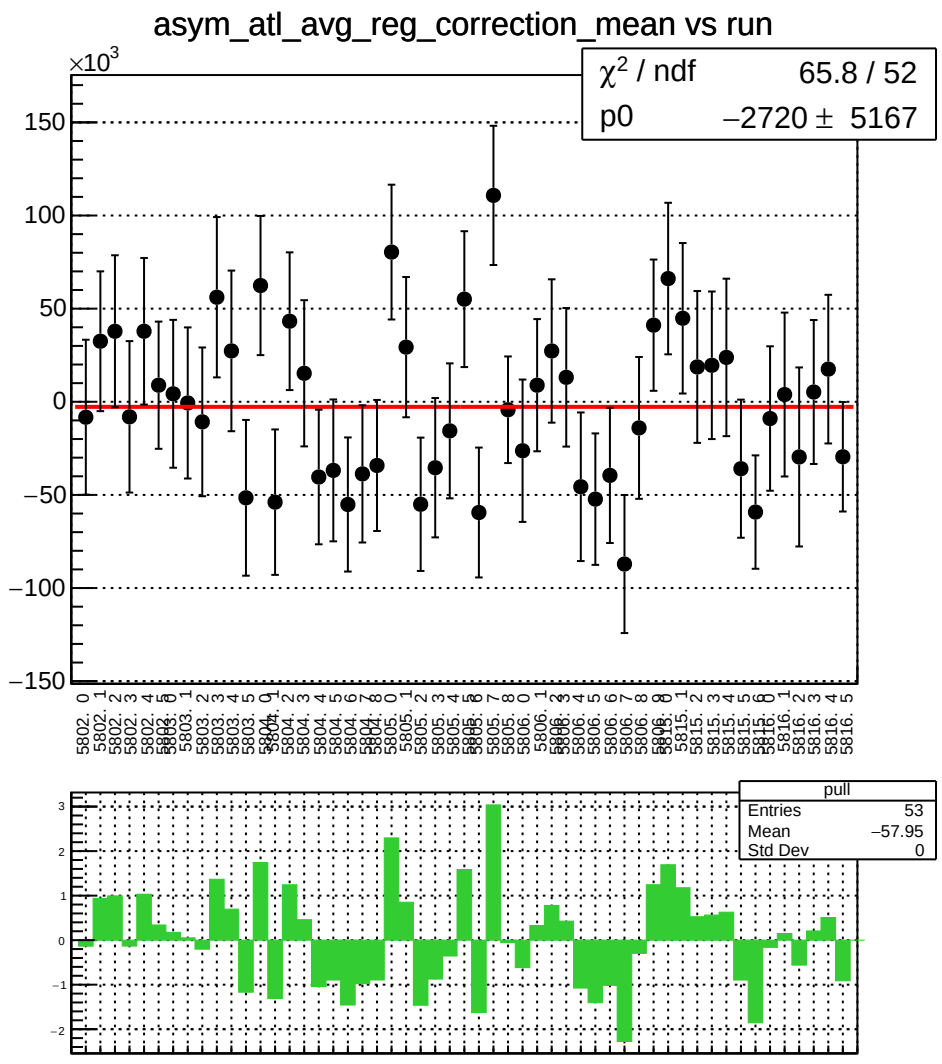

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.36 / 52
p0 5.043e−14 ± 4.757e−13
pull
Entries 53
Mean −251.4
Std Dev 0
pull1D
Entries 53
Mean 0.01484
Std Dev 1.049

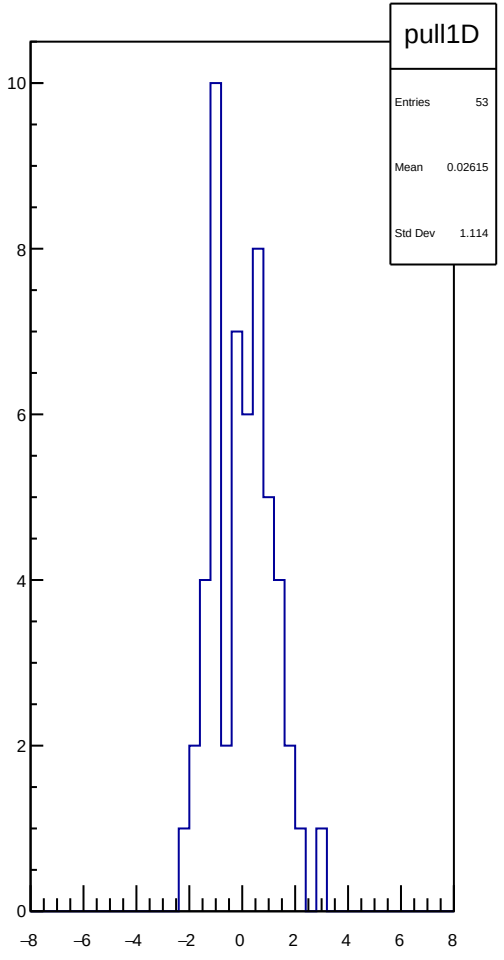

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.902e+05 / 52
p0 2.837e−10 ± 3.364e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

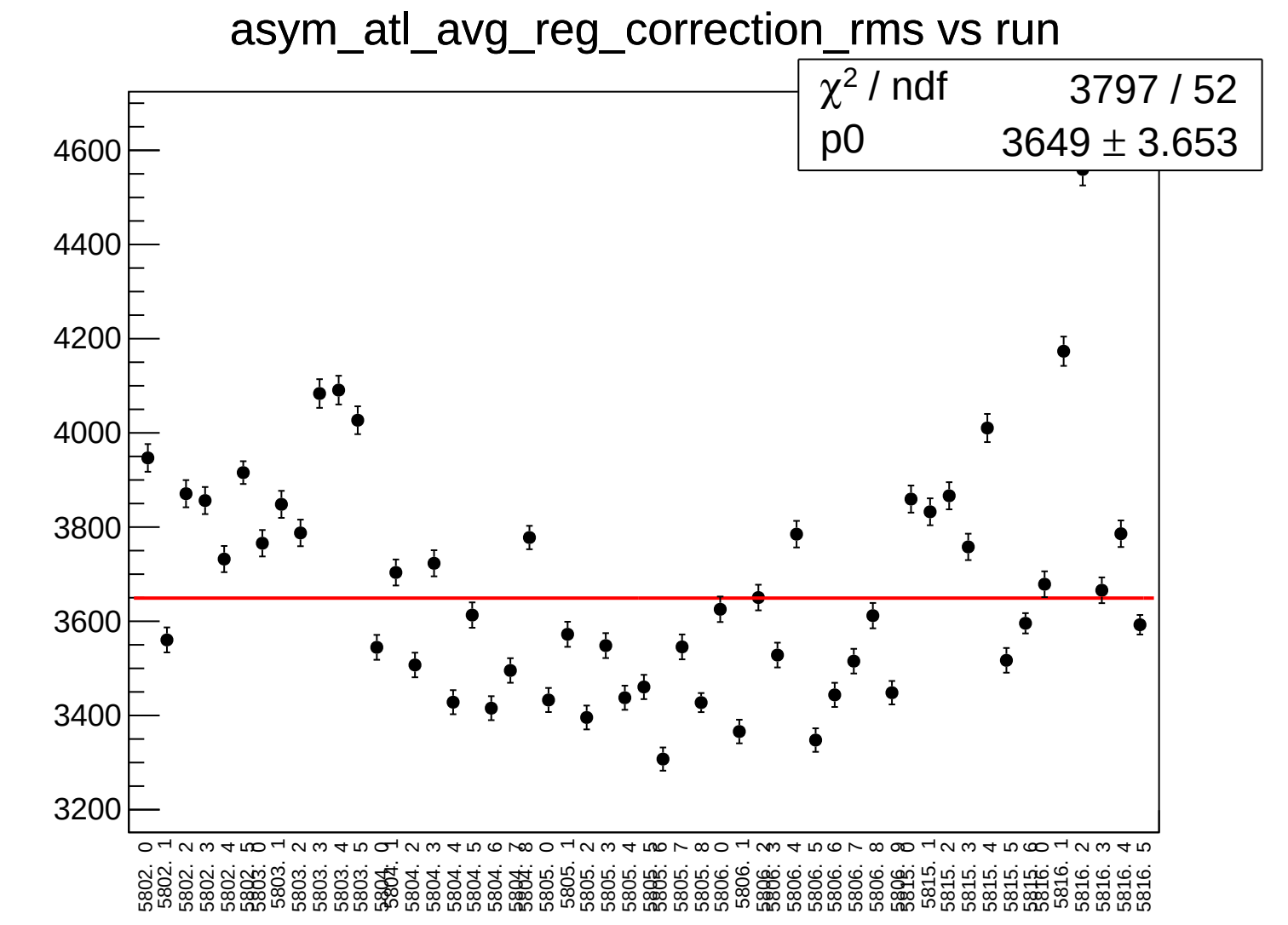

reg_asym_atl_avg_mean vs run
χ² / ndf 60.61 / 52
p0 449.9 ± 2803
pull
Entries 53
Mean −1138
Std Dev 0

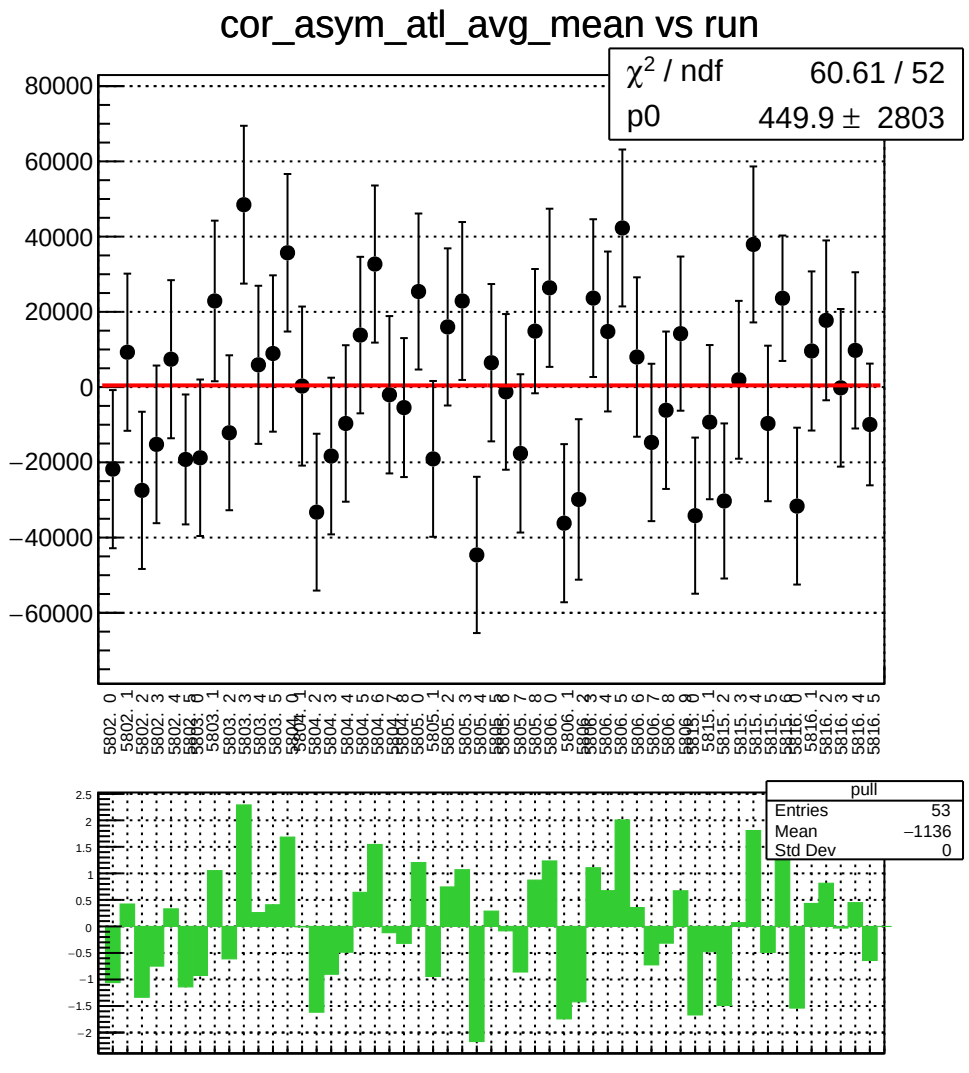

pull1D
Entries 53
Mean −0.0006789
Std Dev 1.069

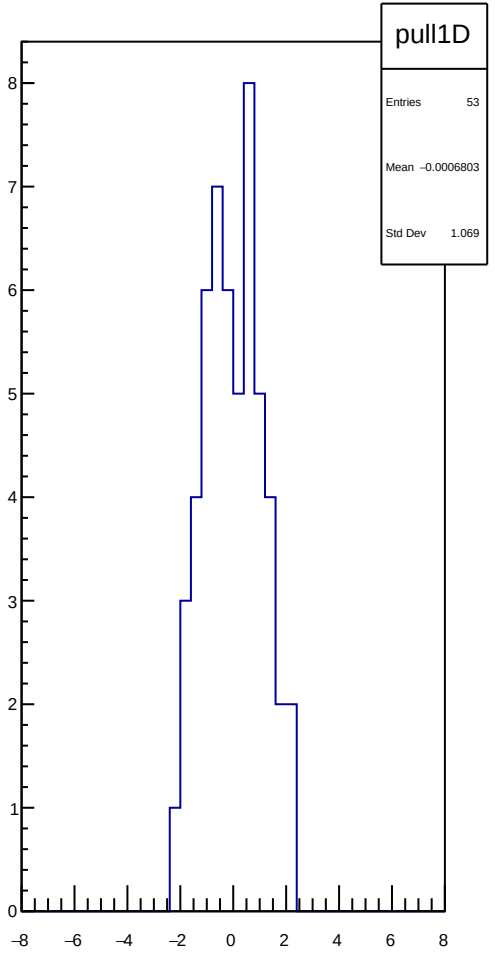

reg_asym_atl_avg_rms vs run
χ² / ndf 70.03 / 52
p0 1984 ± 1.982
2040
2020
2000
1980
1960
1940
1920

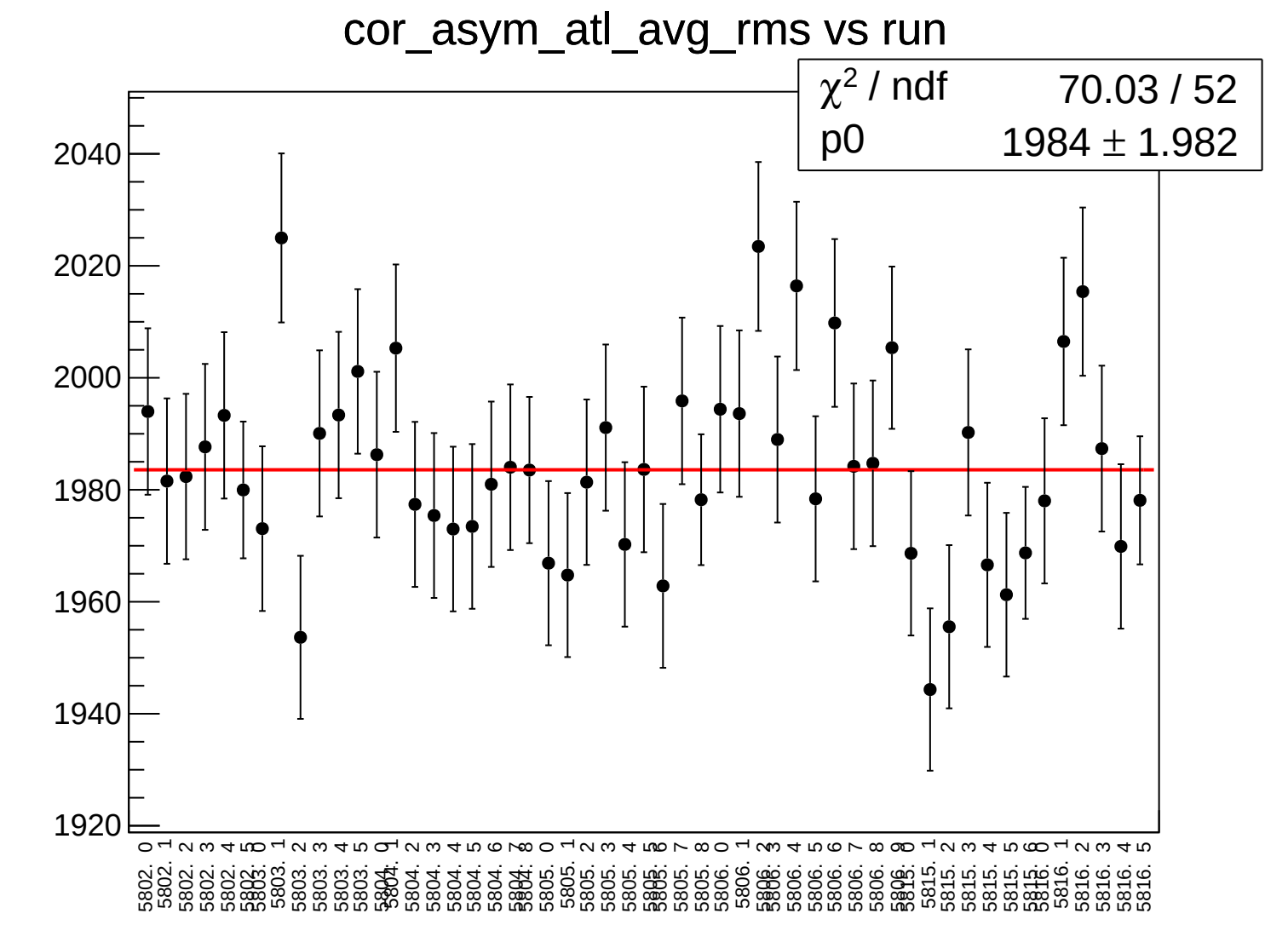

asym_atl_avg_reg_correction_mean vs run
χ² / ndf 65.8 / 52
p0 −2720 ± 5167
×10³
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −57.95
Std Dev 0

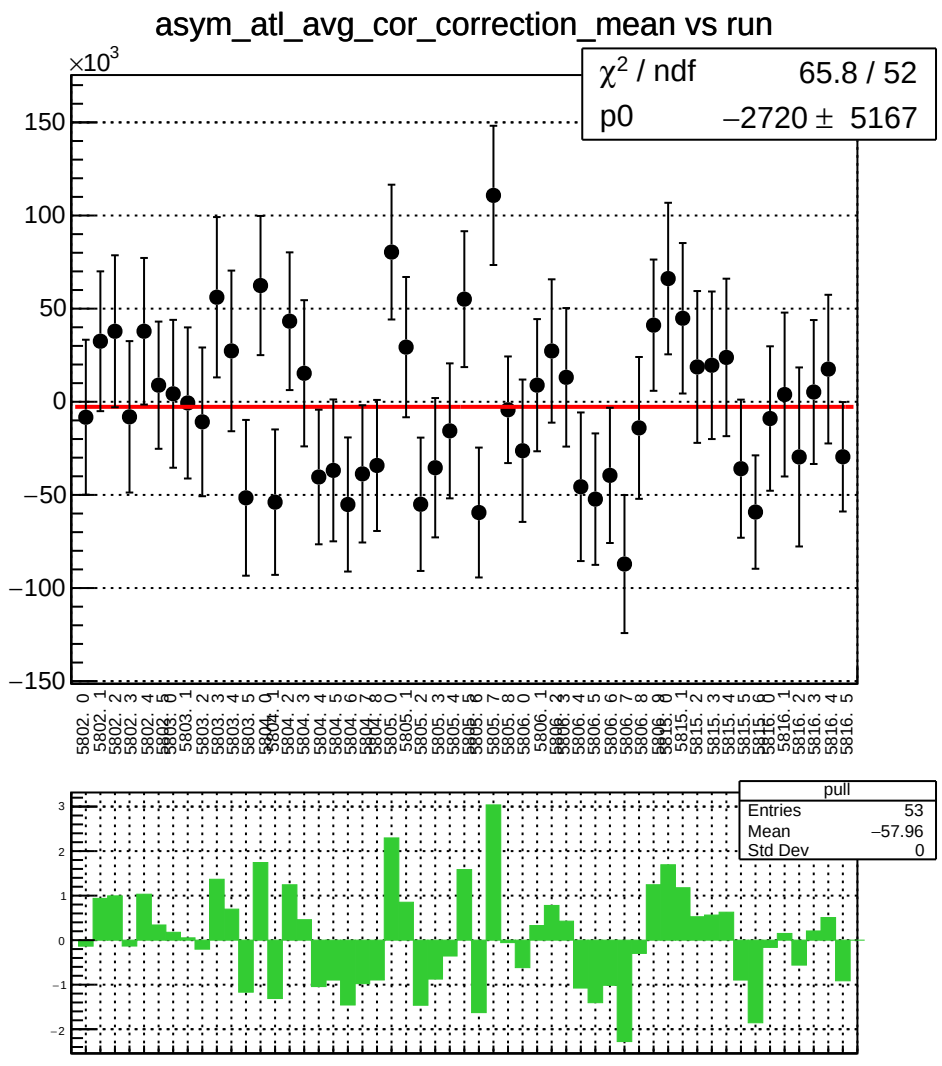

pull1D
Entries 53
Mean 0.02615
Std Dev 1.114

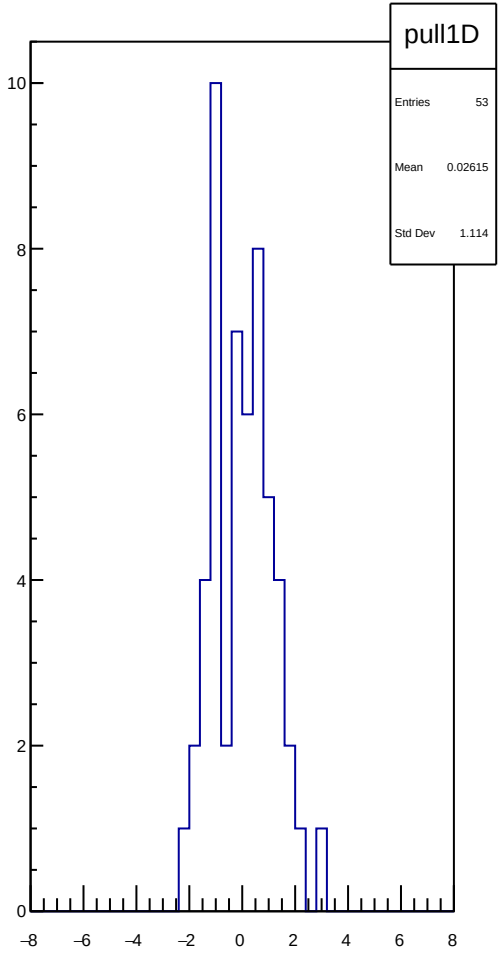

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 3797 / 52
p0 3649 ± 3.653
4600
4400
4200
4000
3800
3600
3400
3200

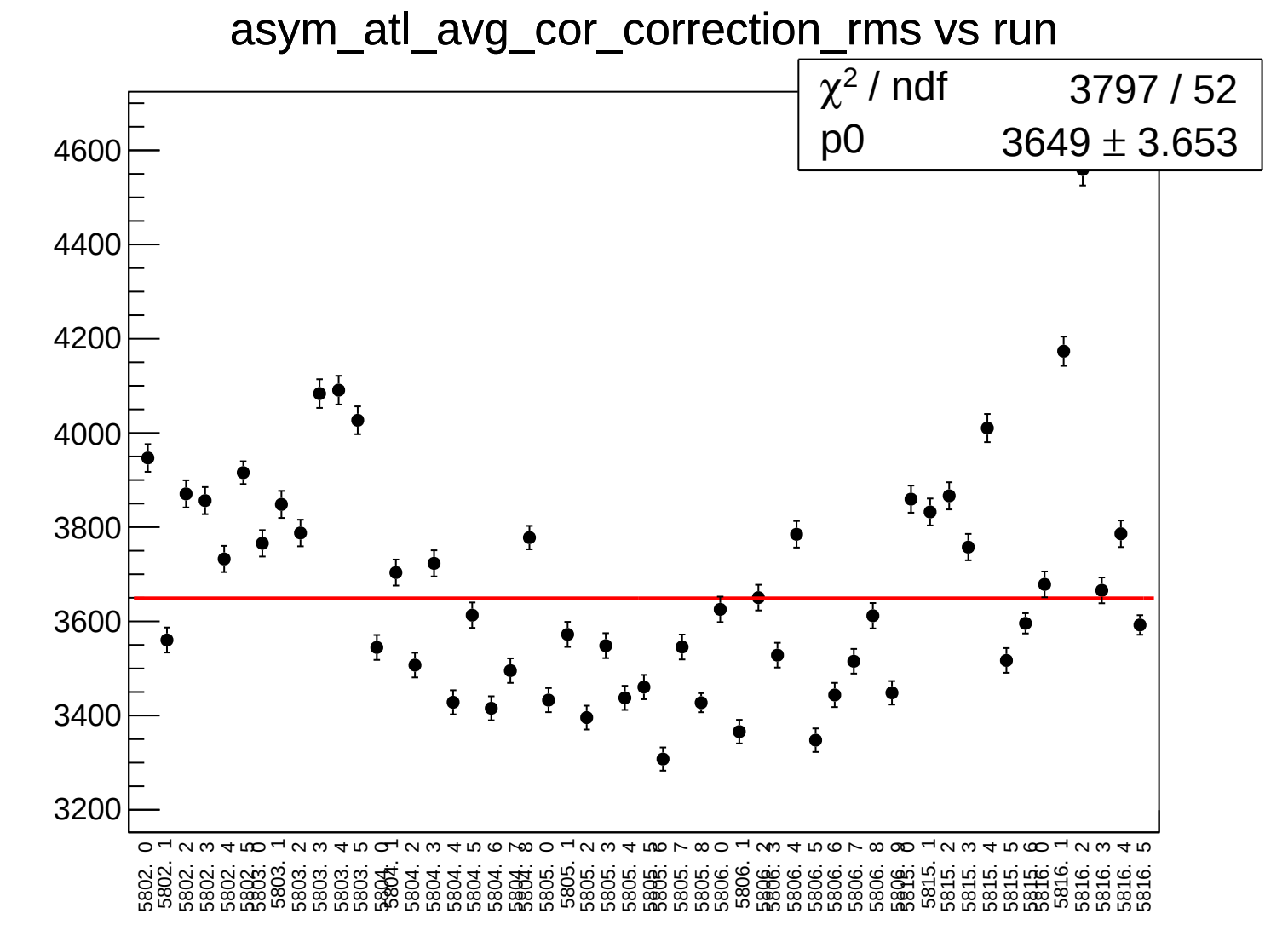

cor_asym_atl_avg_mean vs run
χ² / ndf 60.61 / 52
p0 449.9 ± 2803
pull
Entries 53
Mean −1136
Std Dev 0

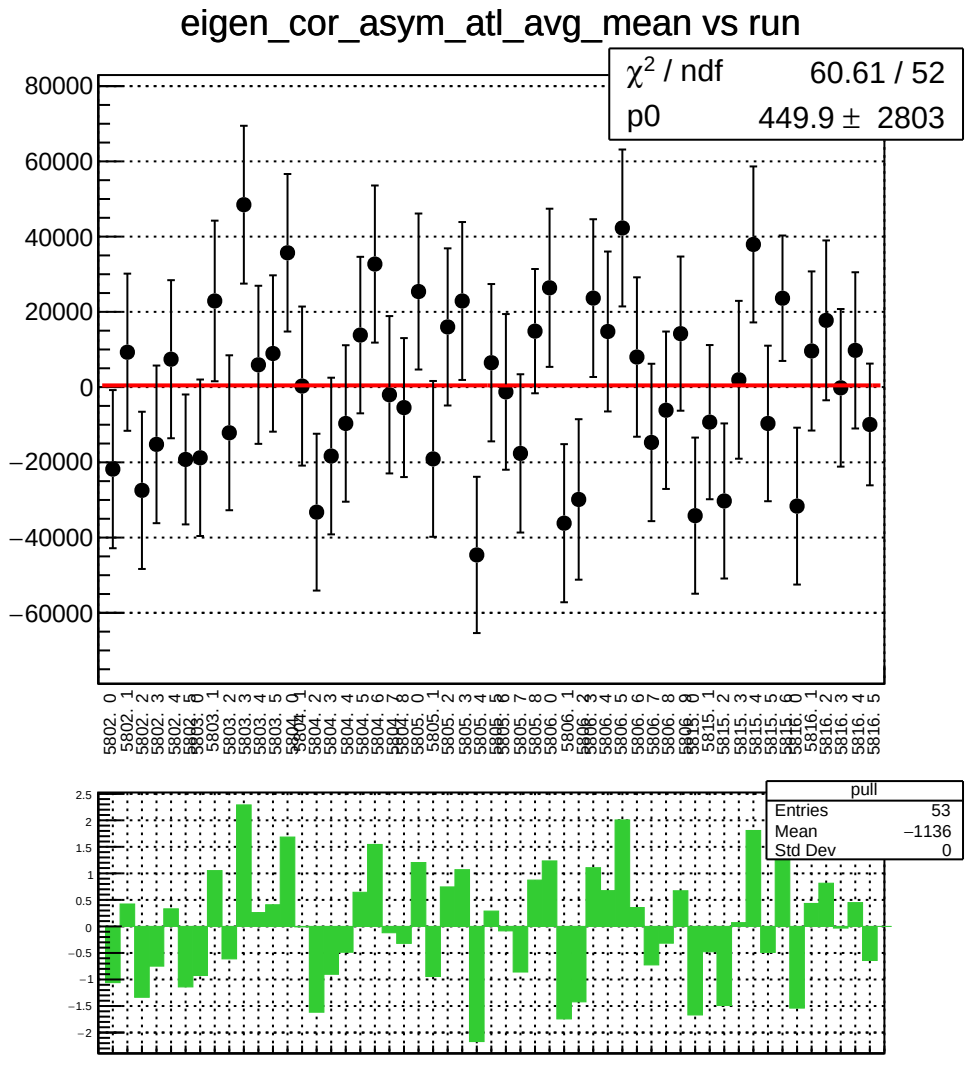

pull1D
Entries 53
Mean −0.0006803
Std Dev 1.069

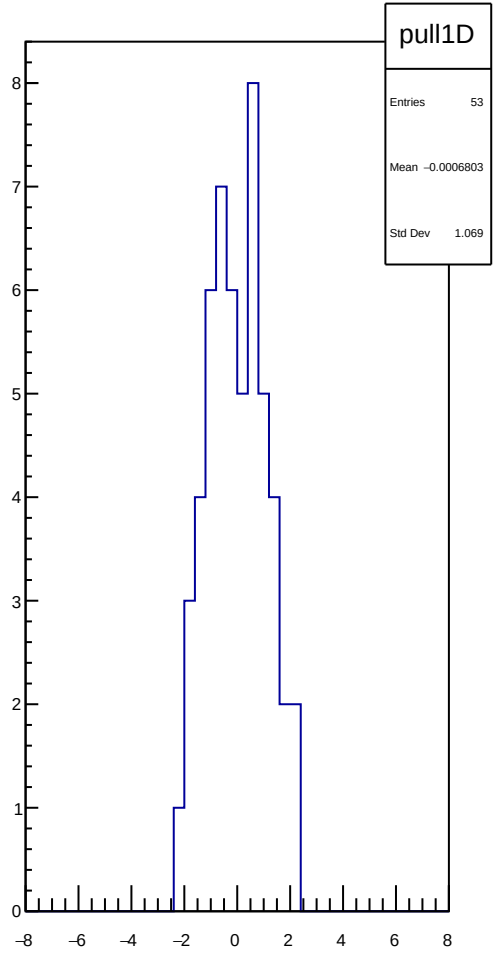

cor_asym_atl_avg_rms vs run
χ^2 / ndf 70.03 / 52
p0 1984 ± 1.982
2040
2020
2000
1980
1960
1940
1920
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

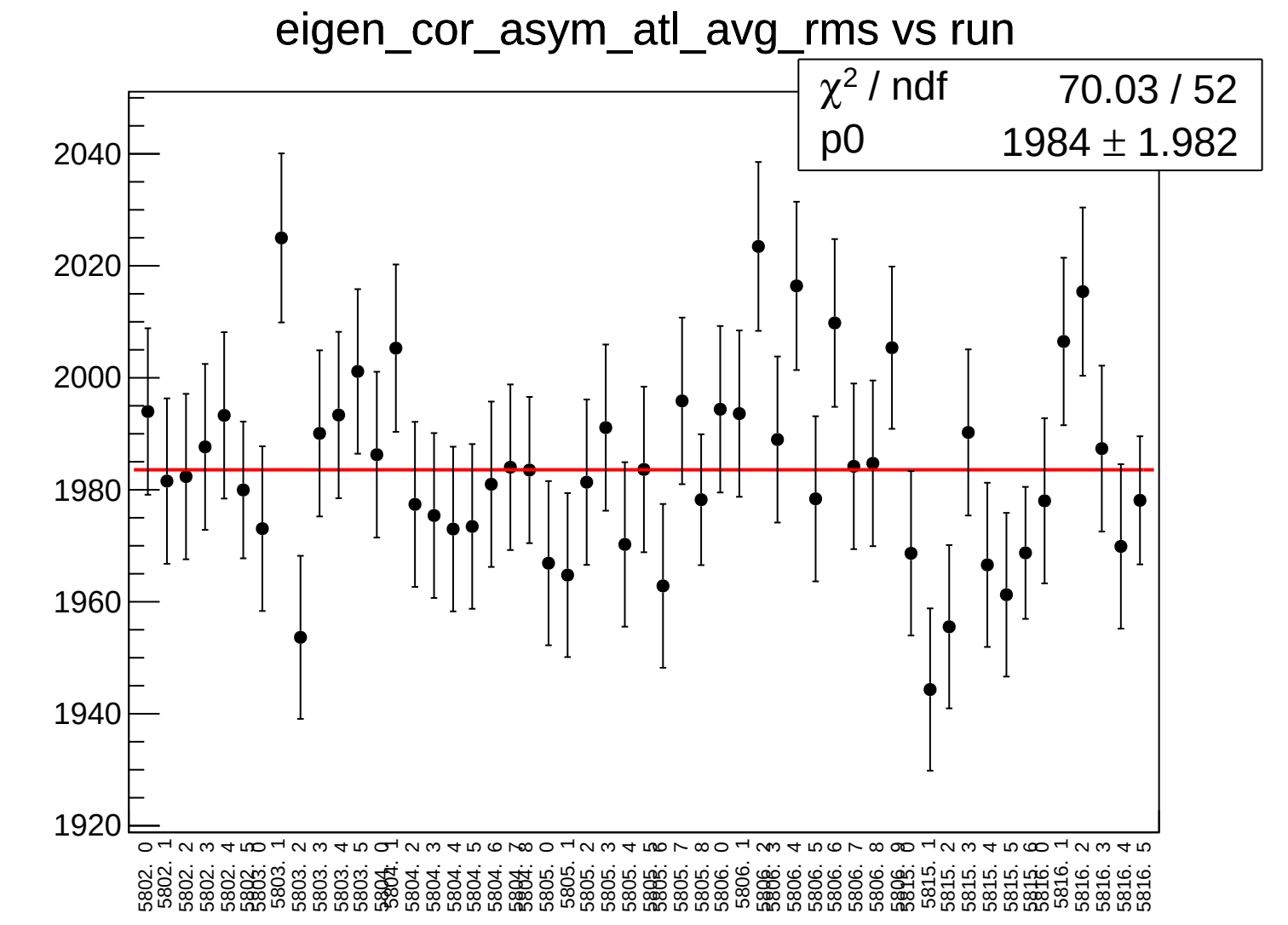

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 65.8 / 52
p0 −2720 ± 5167
pull
Entries 53
Mean −57.96
Std Dev 0

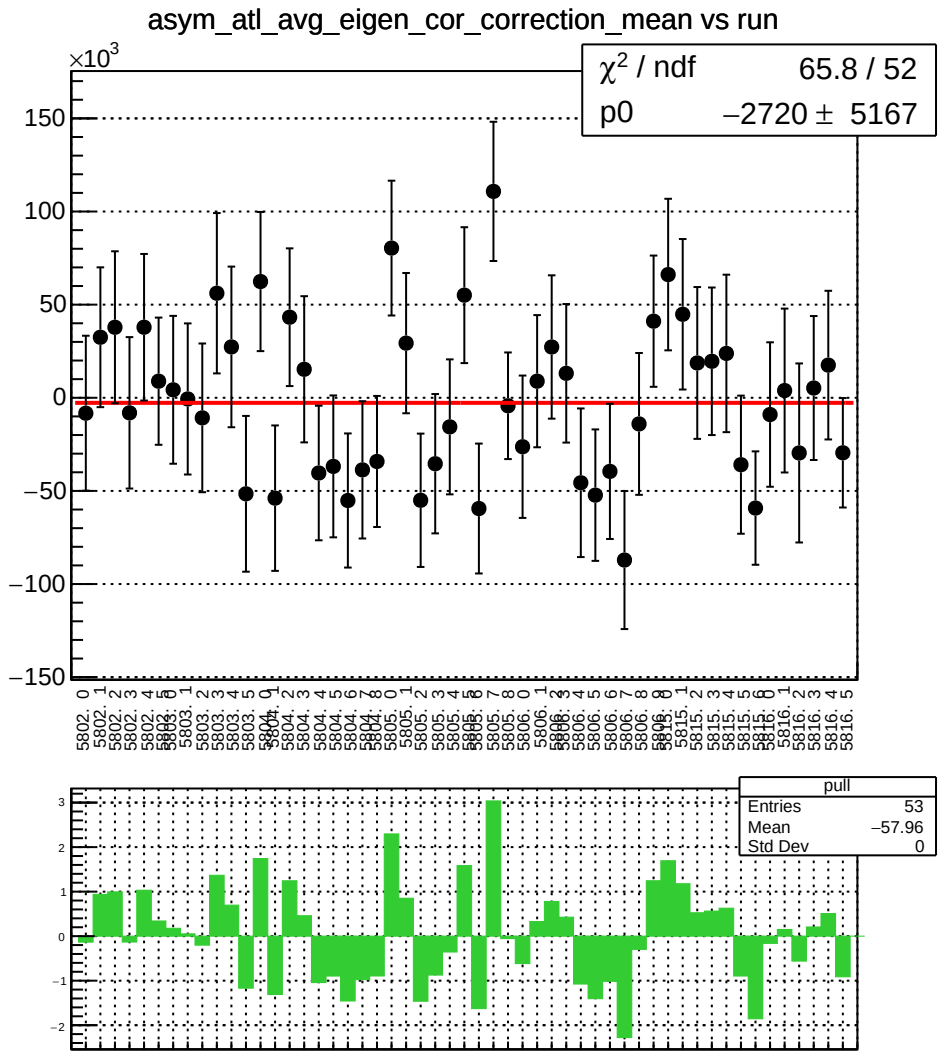

pull1D
Entries 53
Mean 0.02615
Std Dev 1.114

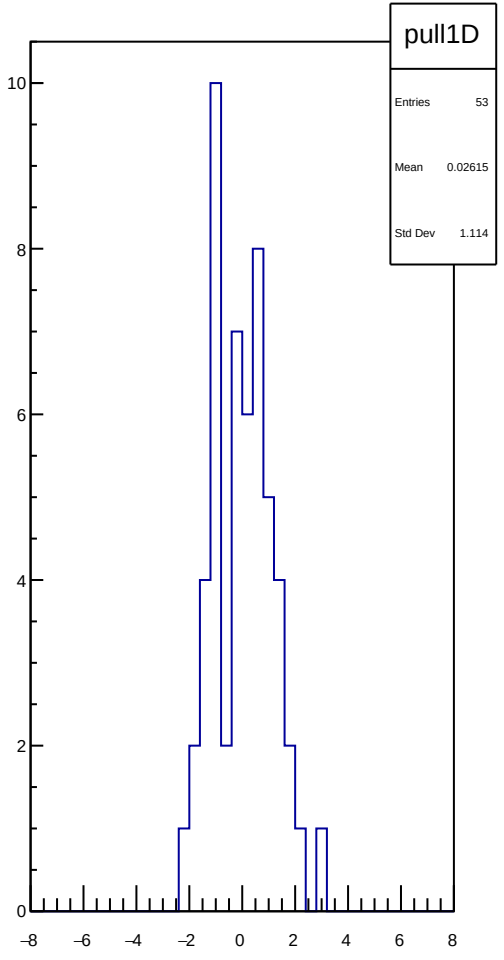

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 3797 / 52
p0 3649 ± 3.653
4600
4400
4200
4000
3800
3600
3400
3200

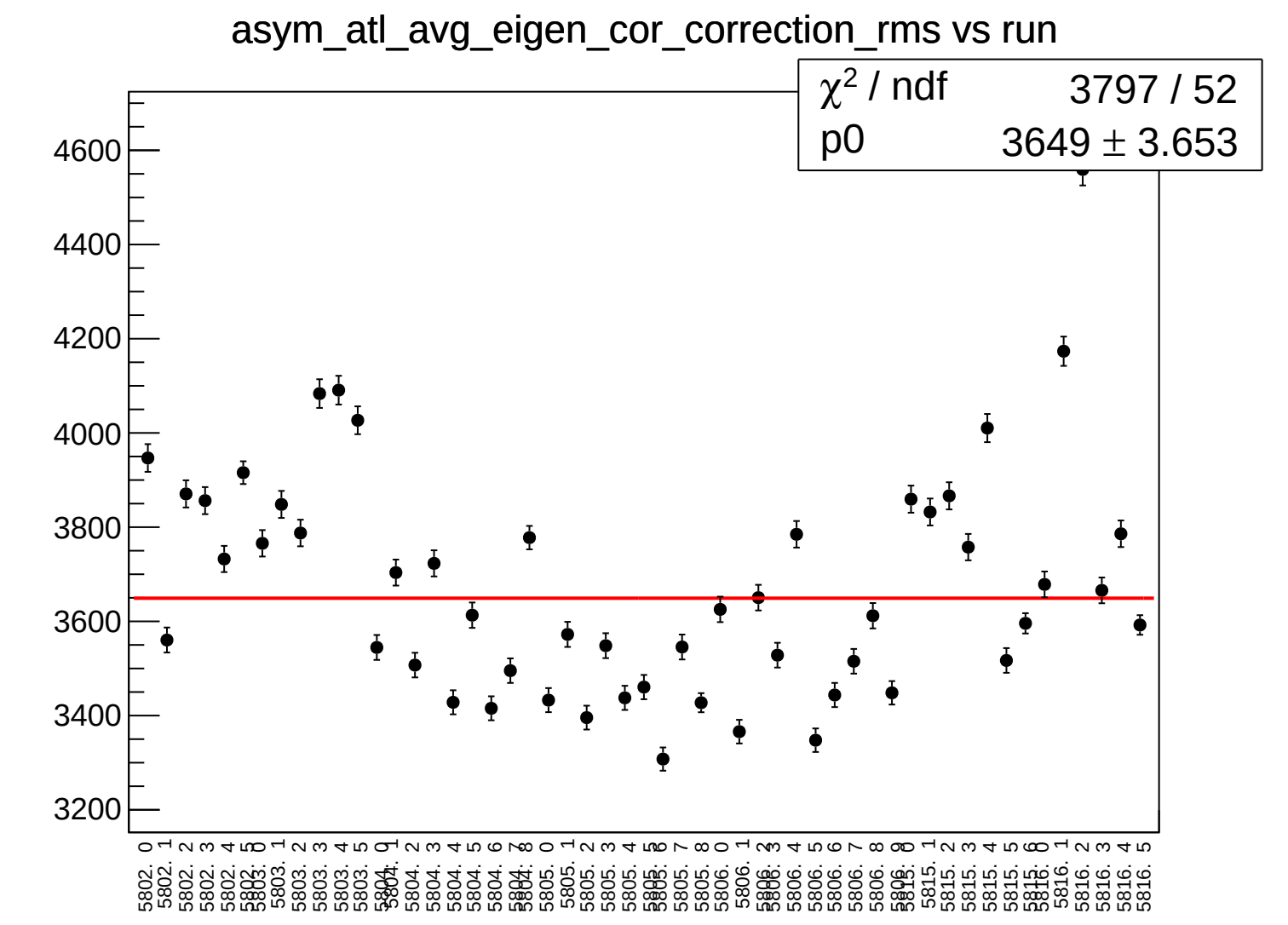

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 60.61 / 52
p0 449.9 ± 2803
pull
Entries 53
Mean −1136
Std Dev 0

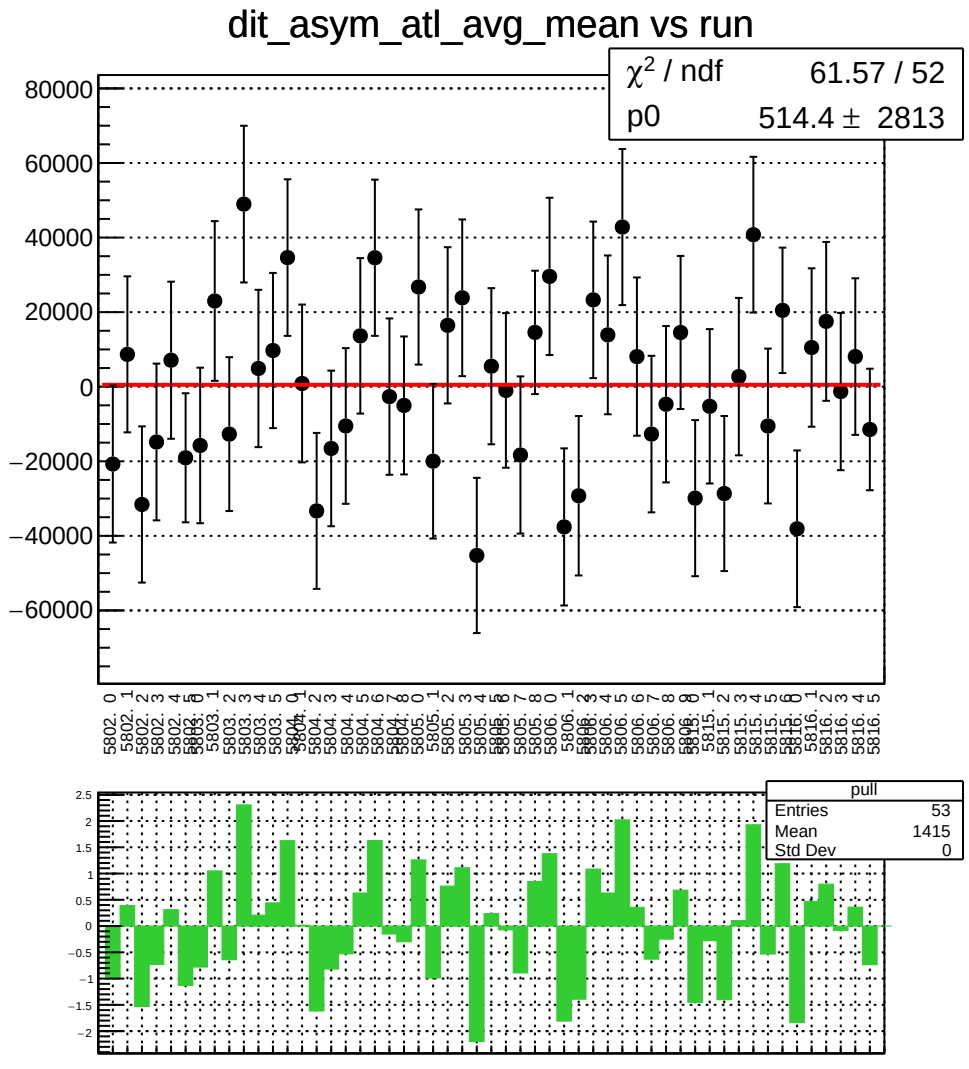

pull1D
Entries 53
Mean −0.0006803
Std Dev 1.069

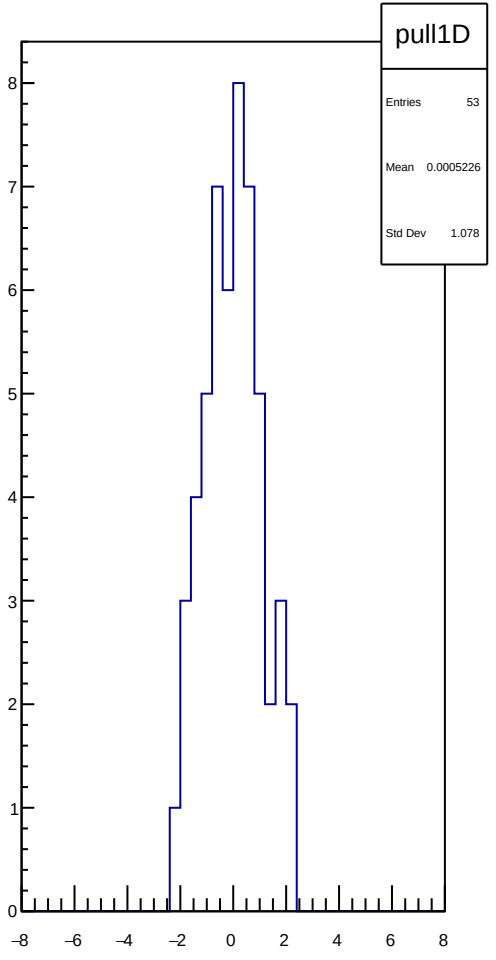

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 70.03 / 52
p0 1984 ± 1.982
2040
2020
2000
1980
1960
1940
1920

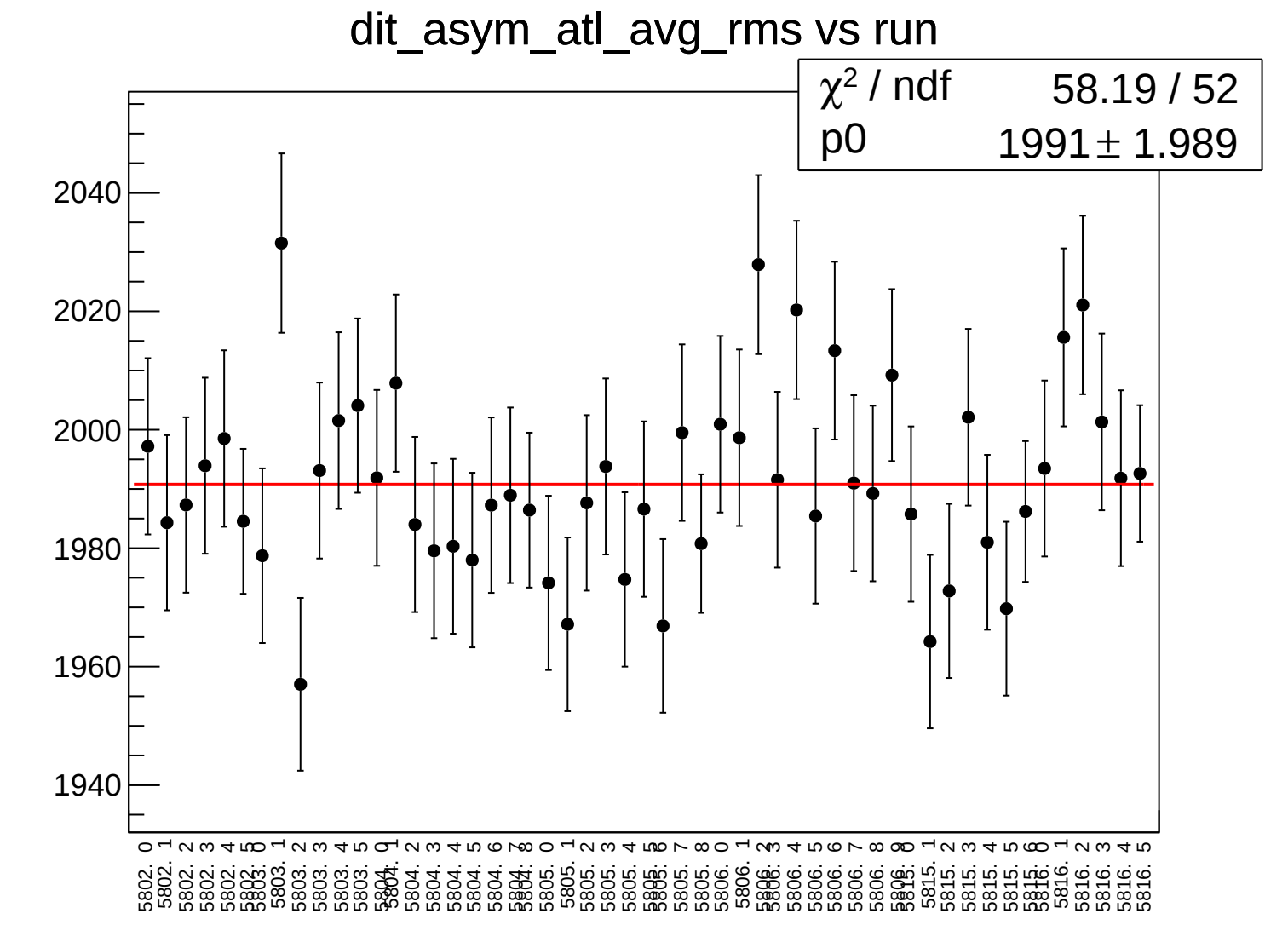

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.8 / 52
p0 −2720 ± 5167
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −57.96
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02615
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 3797 / 52
p0 3649 ± 3.653
4600
4400
4200
4000
3800
3600
3400
3200


dit_asym_atl_avg_mean vs run
χ² / ndf 61.57 / 52
p0 514.4 ± 2813
pull
Entries 53
Mean 1415
Std Dev 0


pull1D
Entries 53
Mean 0.0005226
Std Dev 1.078


dit_asym_atl_avg_rms vs run
χ² / ndf 58.19 / 52
p0 1991 ± 1.989
2040
2020
2000
1980
1960
1940
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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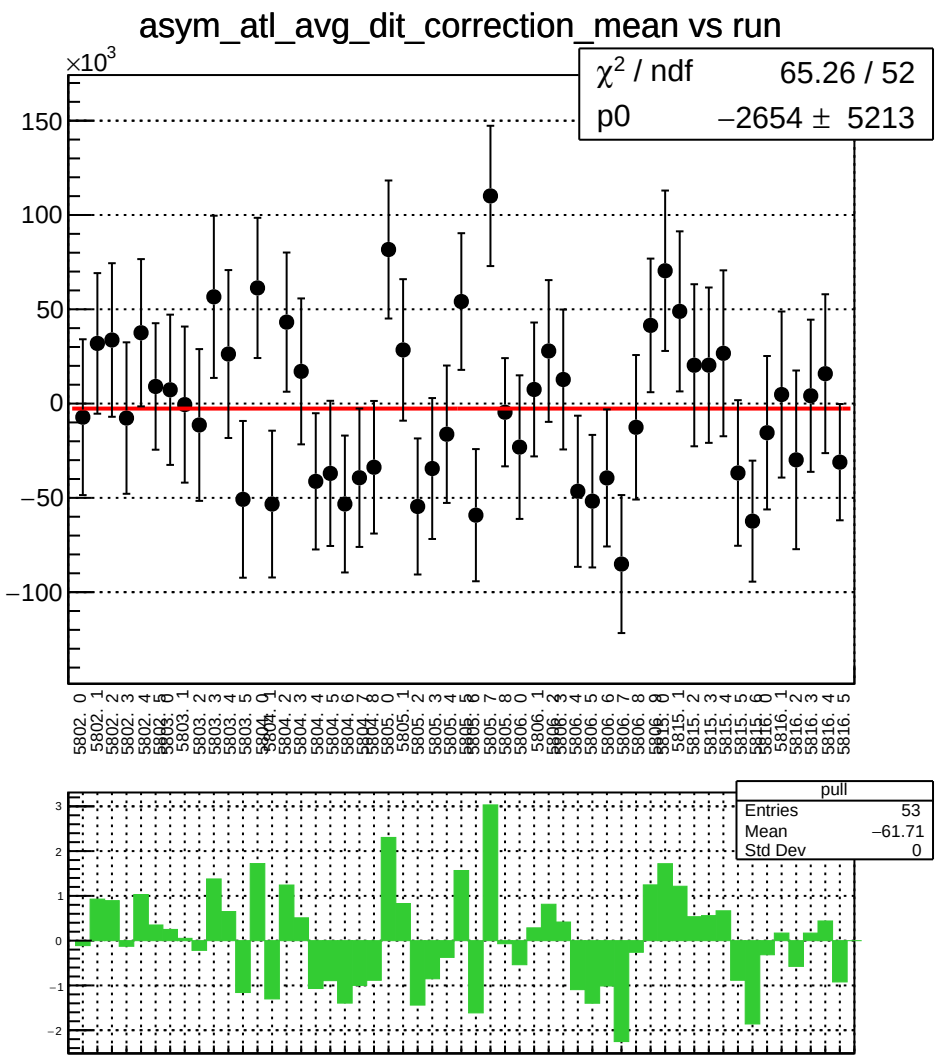
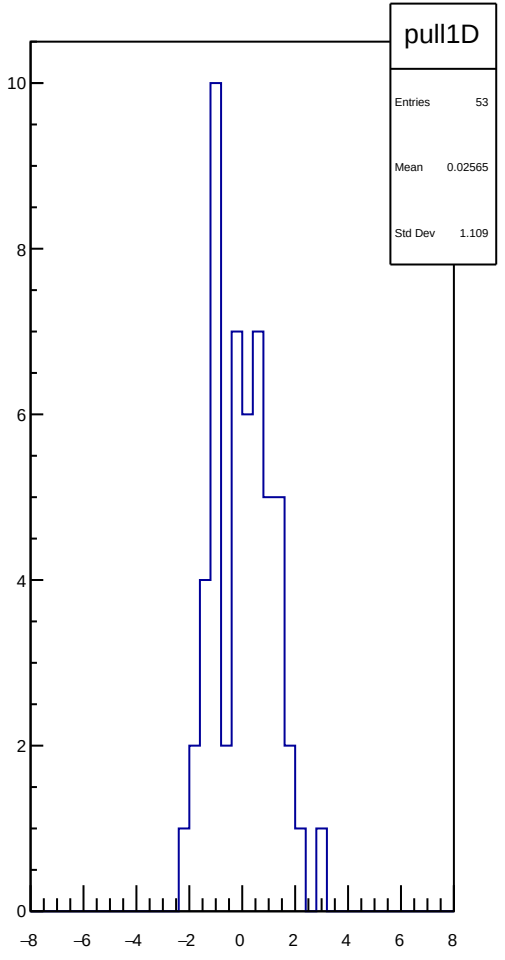
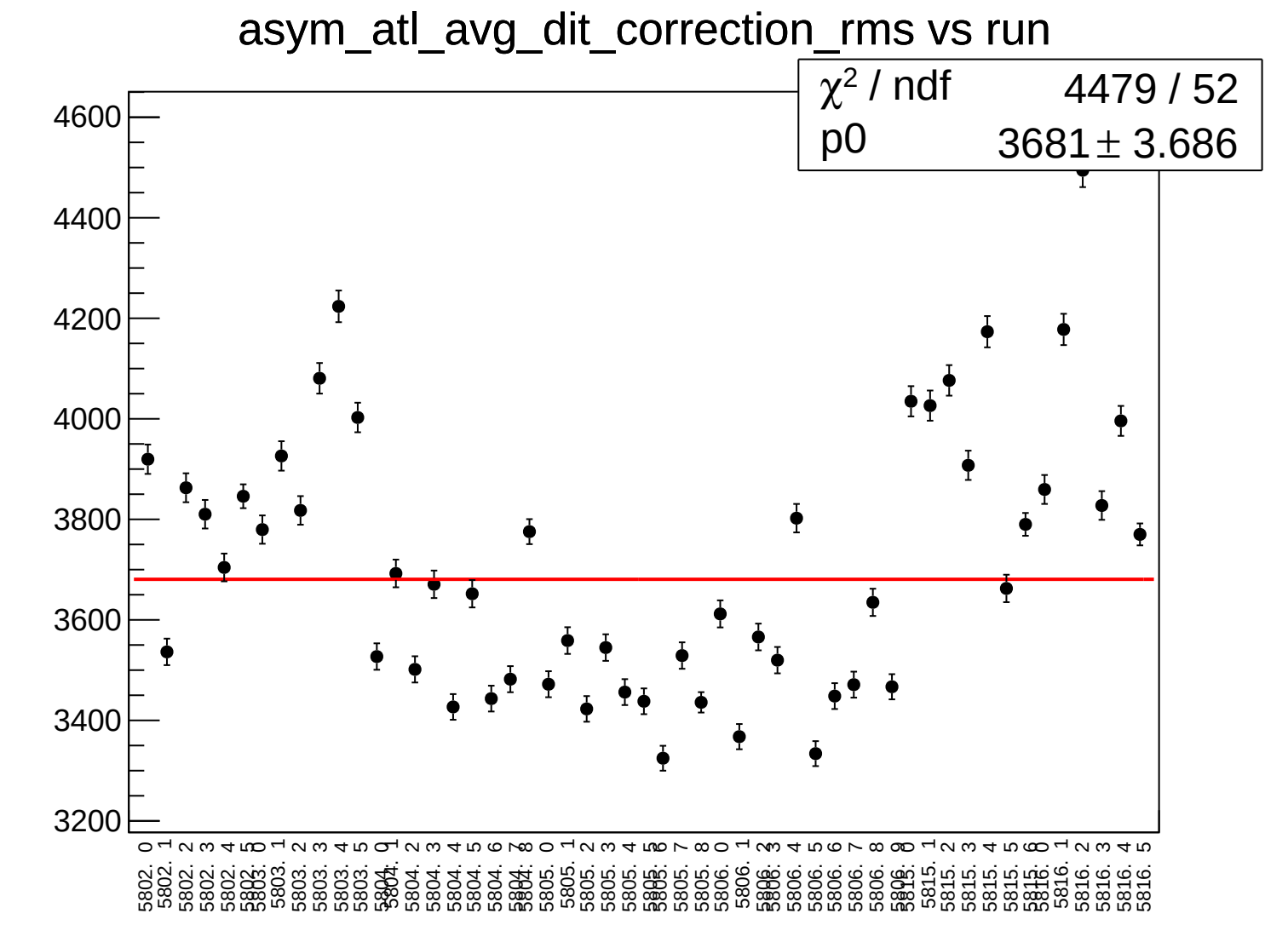
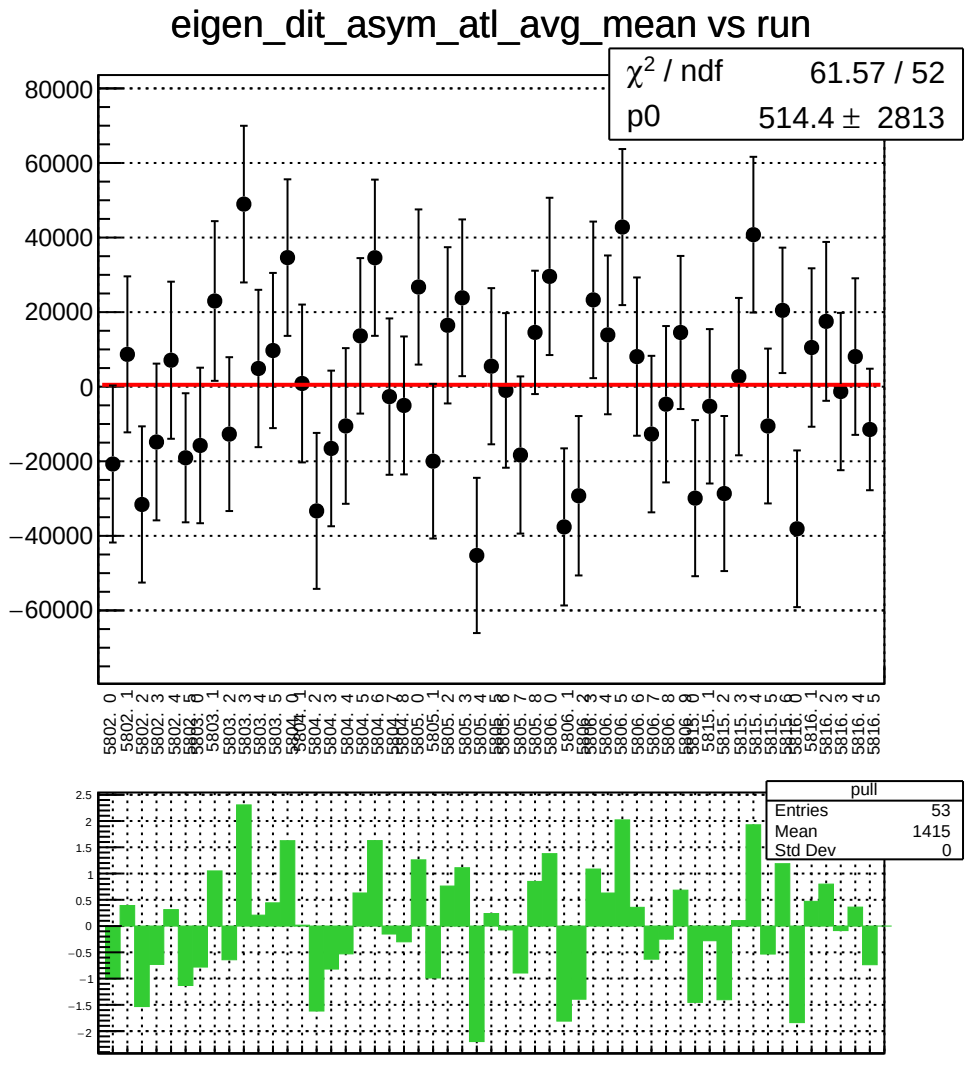
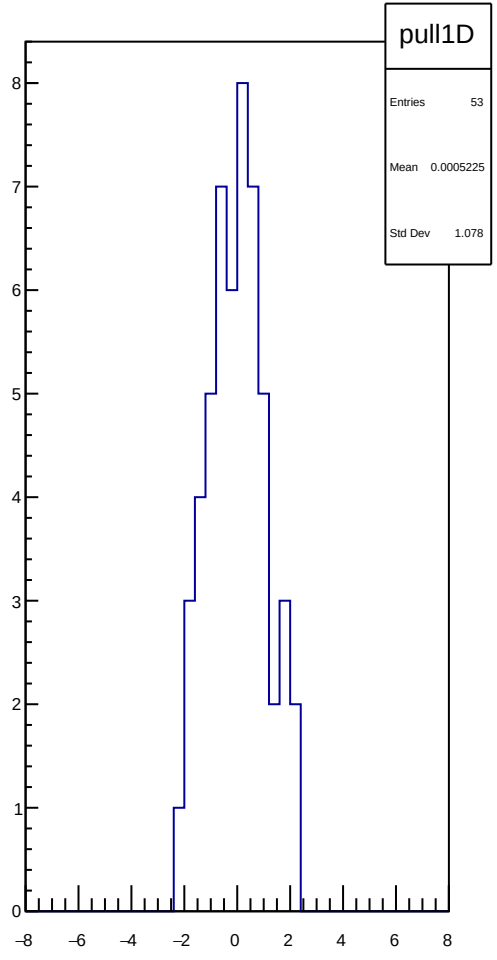
5816. 4
5816. 5

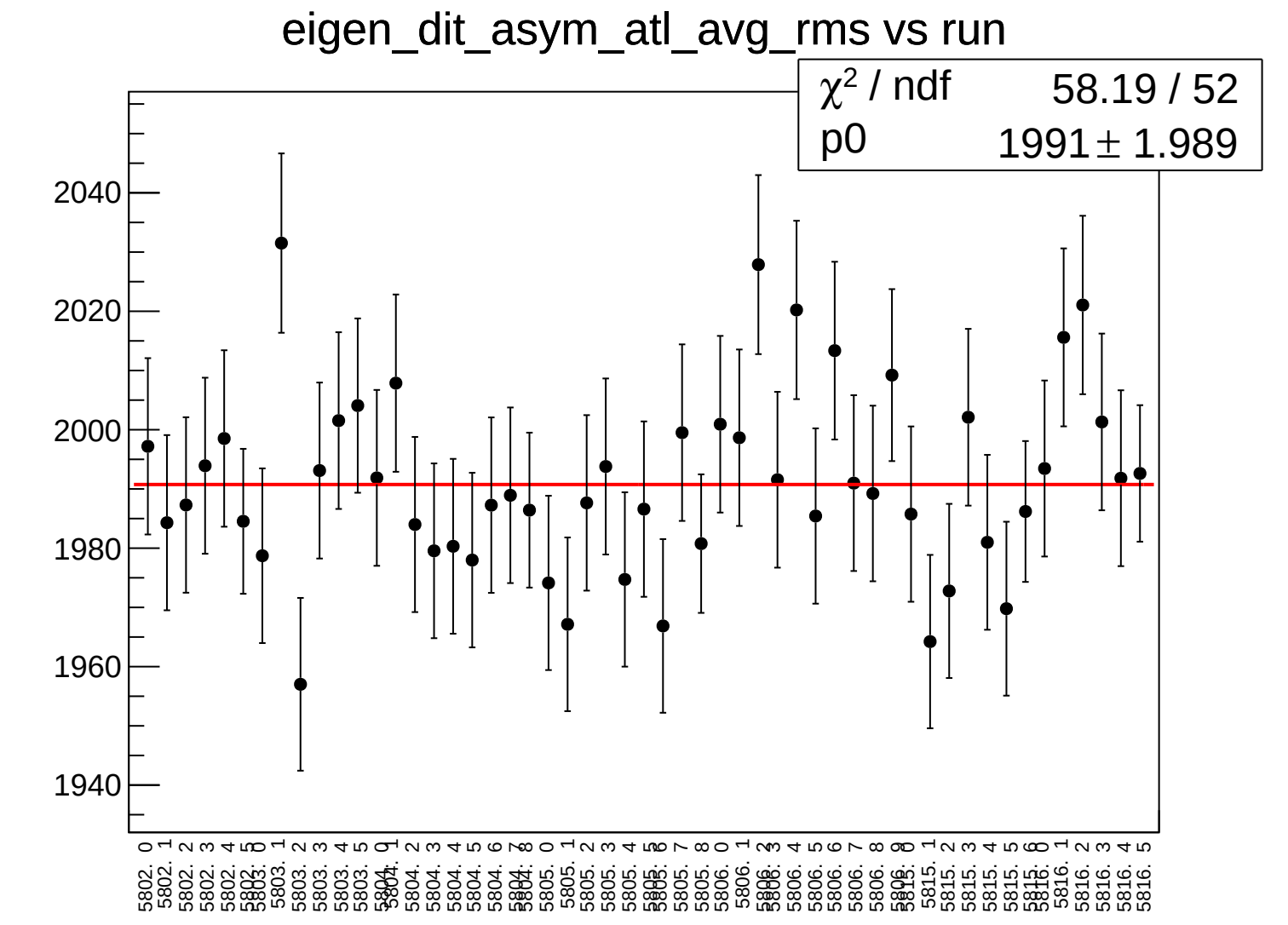

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 65.26 / 52
p0 −2654 ± 5213
150
100
50
0
−50
−100
pull
Entries 53
Mean −61.71
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02565
Std Dev 1.109
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 4479 / 52
p0 3681 ± 3.686
4600
4400
4200
4000
3800
3600
3400
3200


eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 61.57 / 52
p0 514.4 ± 2813
pull
Entries 53
Mean 1415
Std Dev 0


pull1D
Entries 53
Mean 0.0005225
Std Dev 1.078


eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 58.19 / 52
p0 1991 ± 1.989
2040
2020
2000
1980
1960
1940
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
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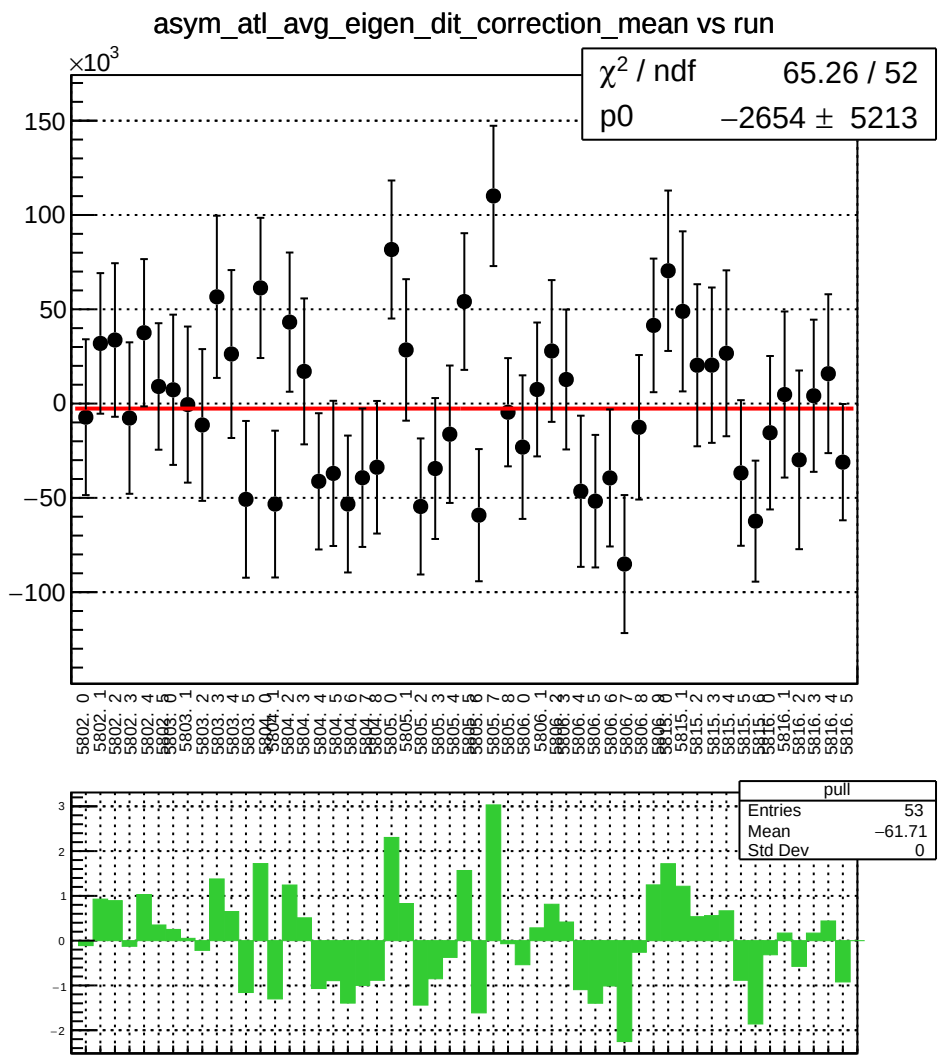
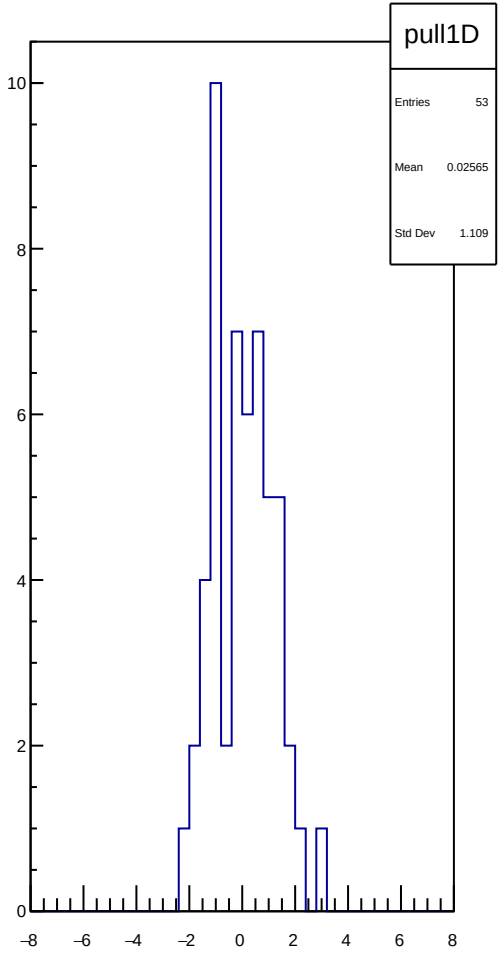
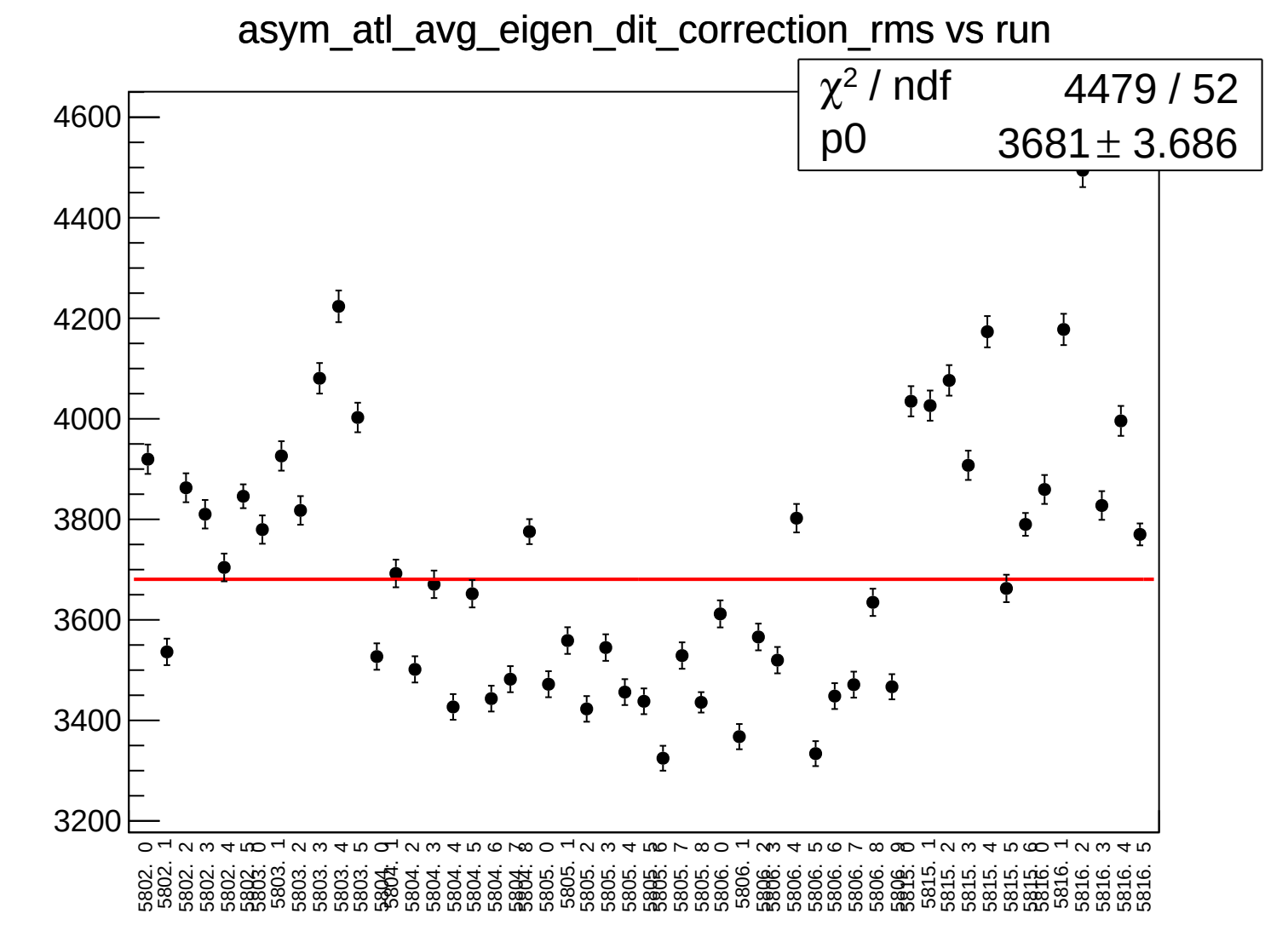
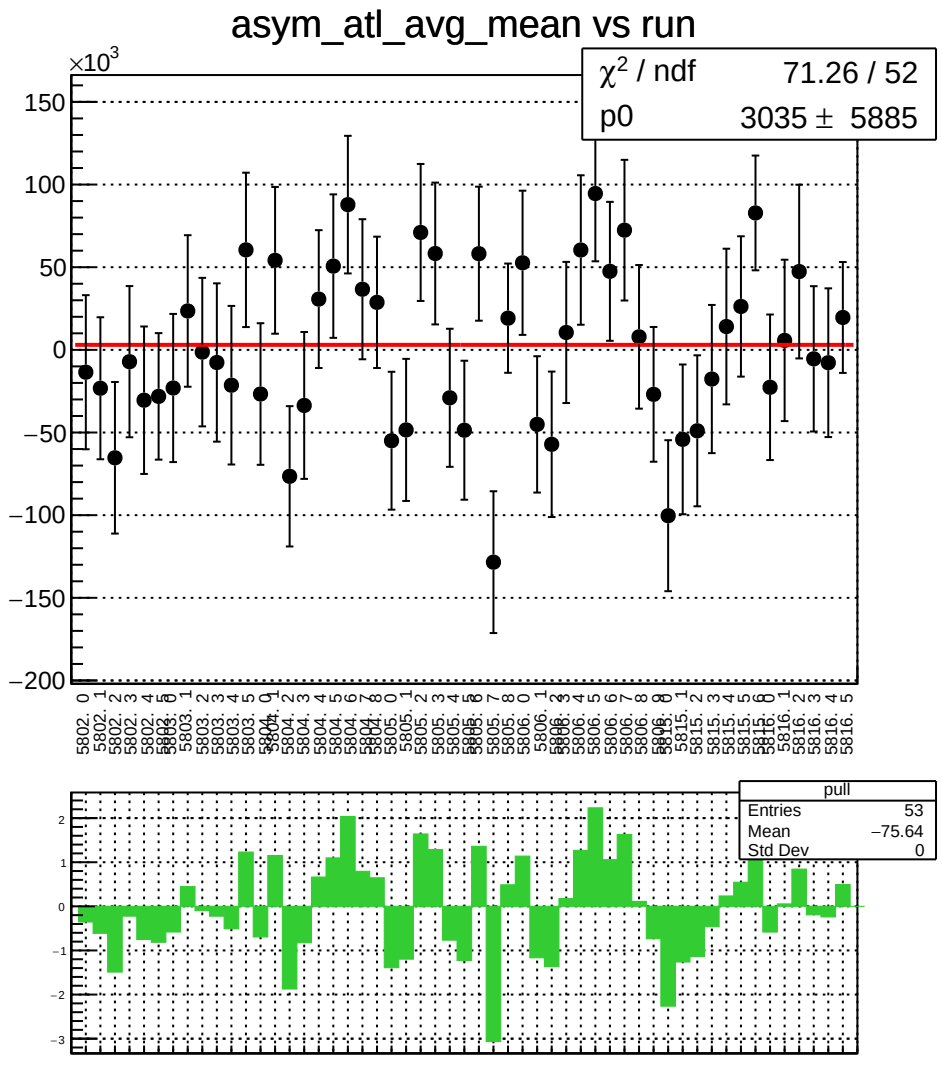
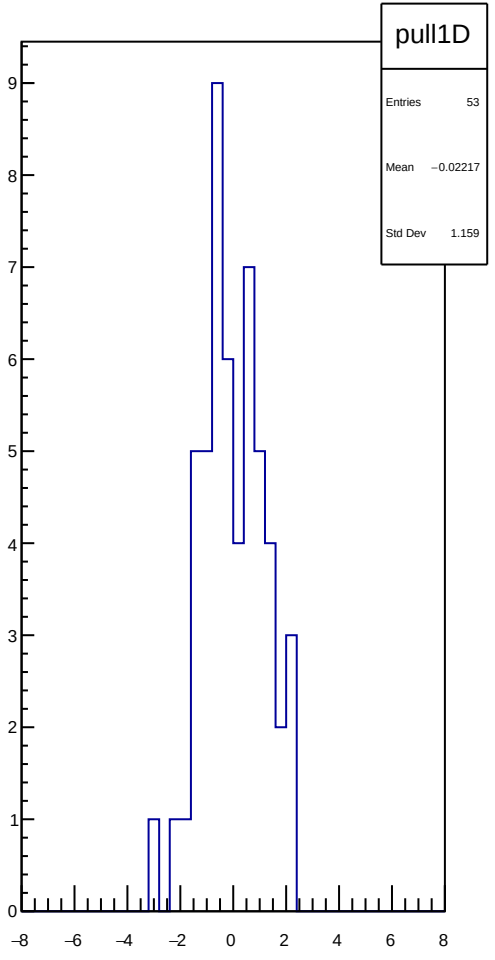
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

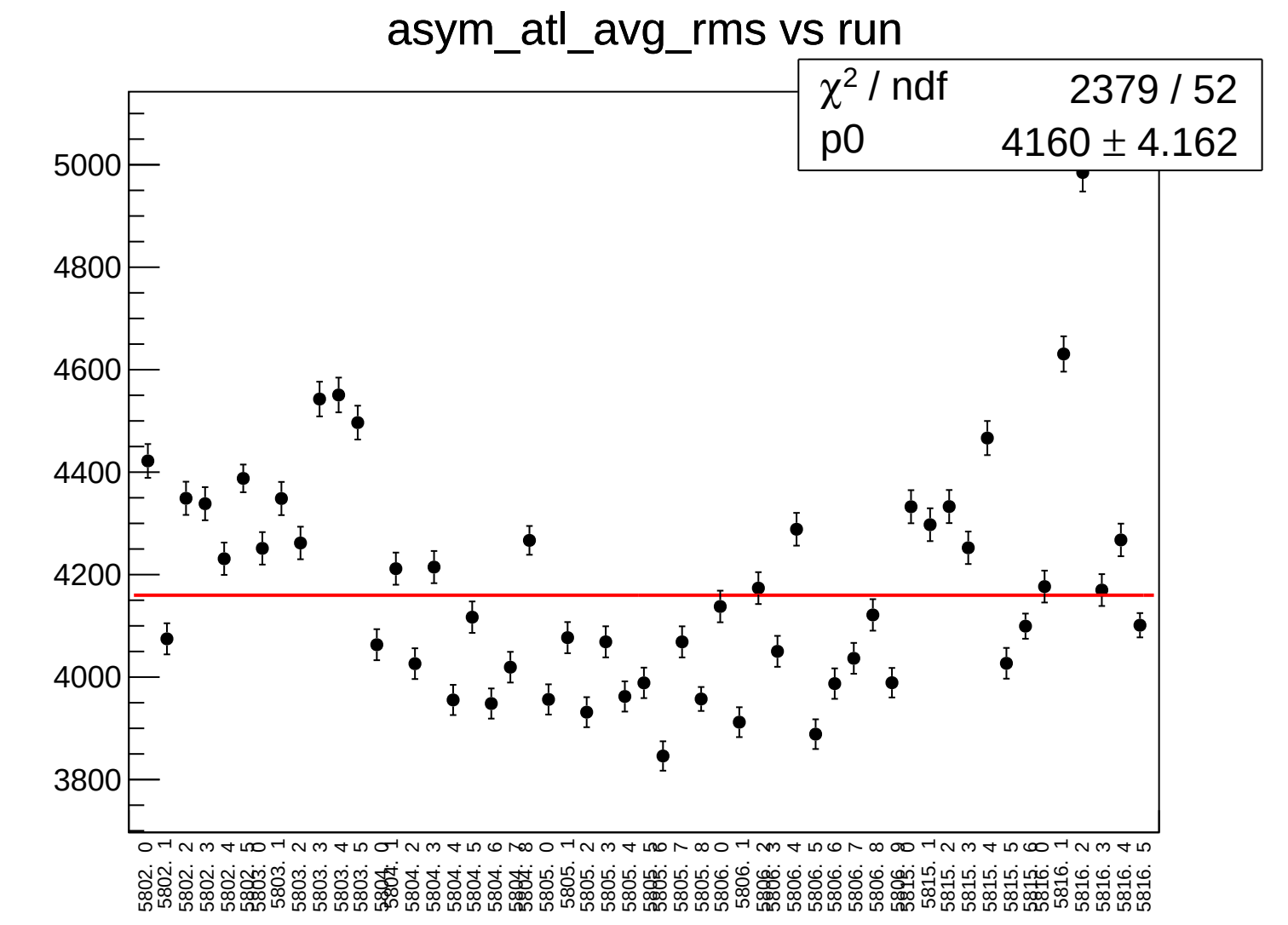

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.26 / 52
p0 −2654 ± 5213
150
100
50
0
−50
−100
pull
Entries 53
Mean −61.71
Std Dev 0
3
2
1
0
−1
−2

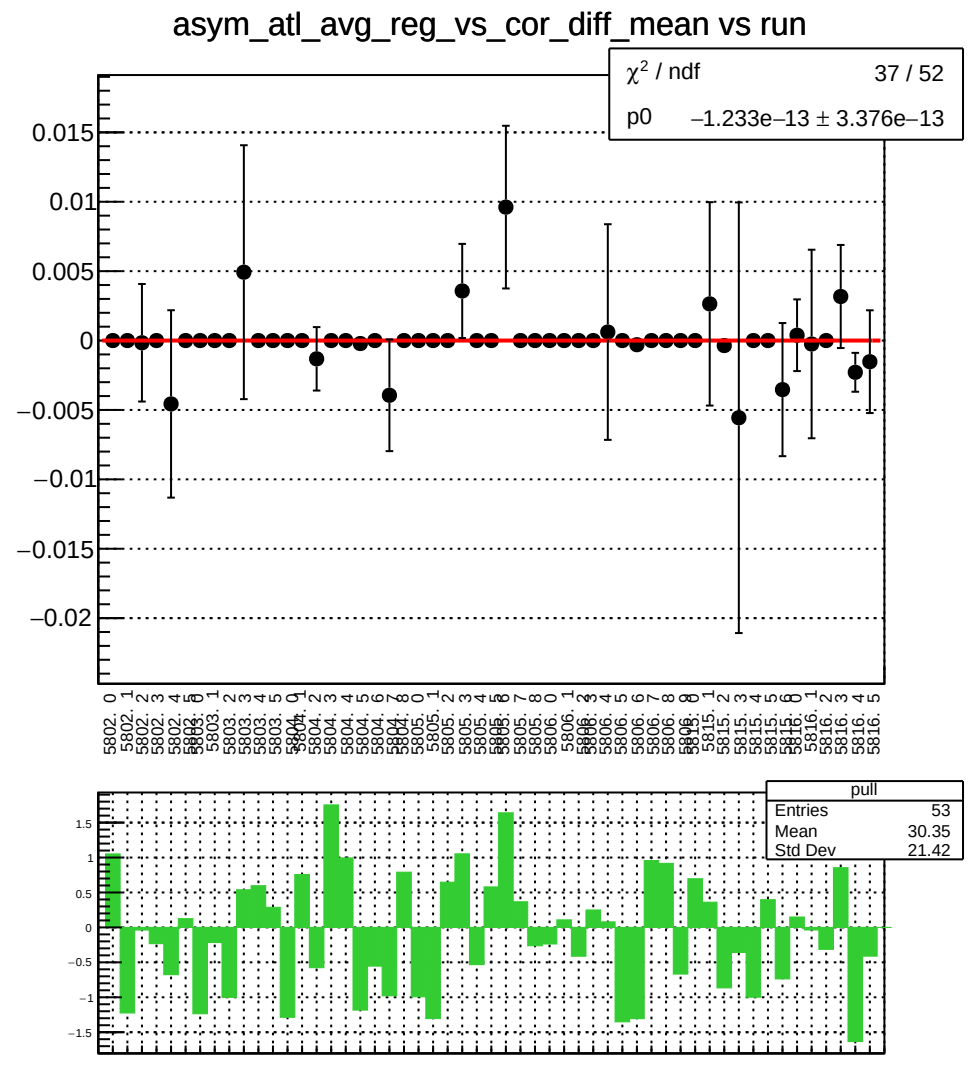

pull1D
Entries 53
Mean 0.02565
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

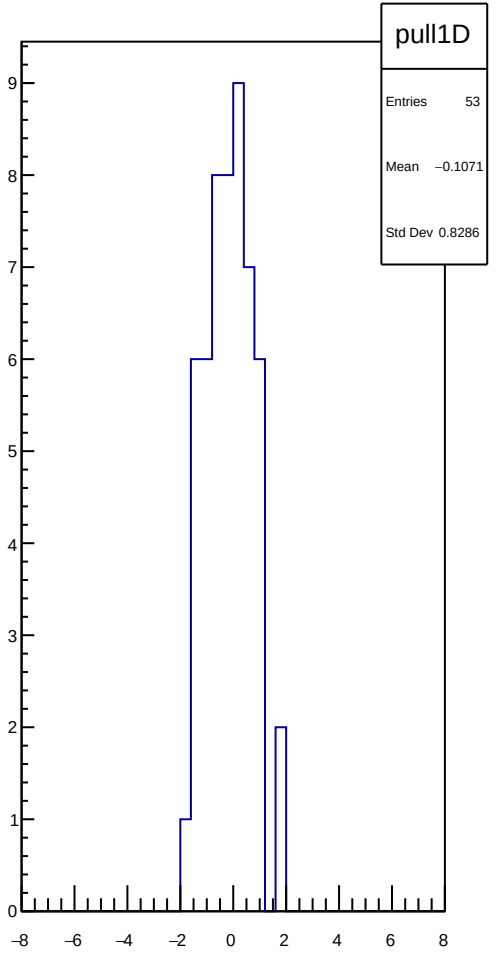

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 4479 / 52
p0 3681 ± 3.686
4600
4400
4200
4000
3800
3600
3400
3200

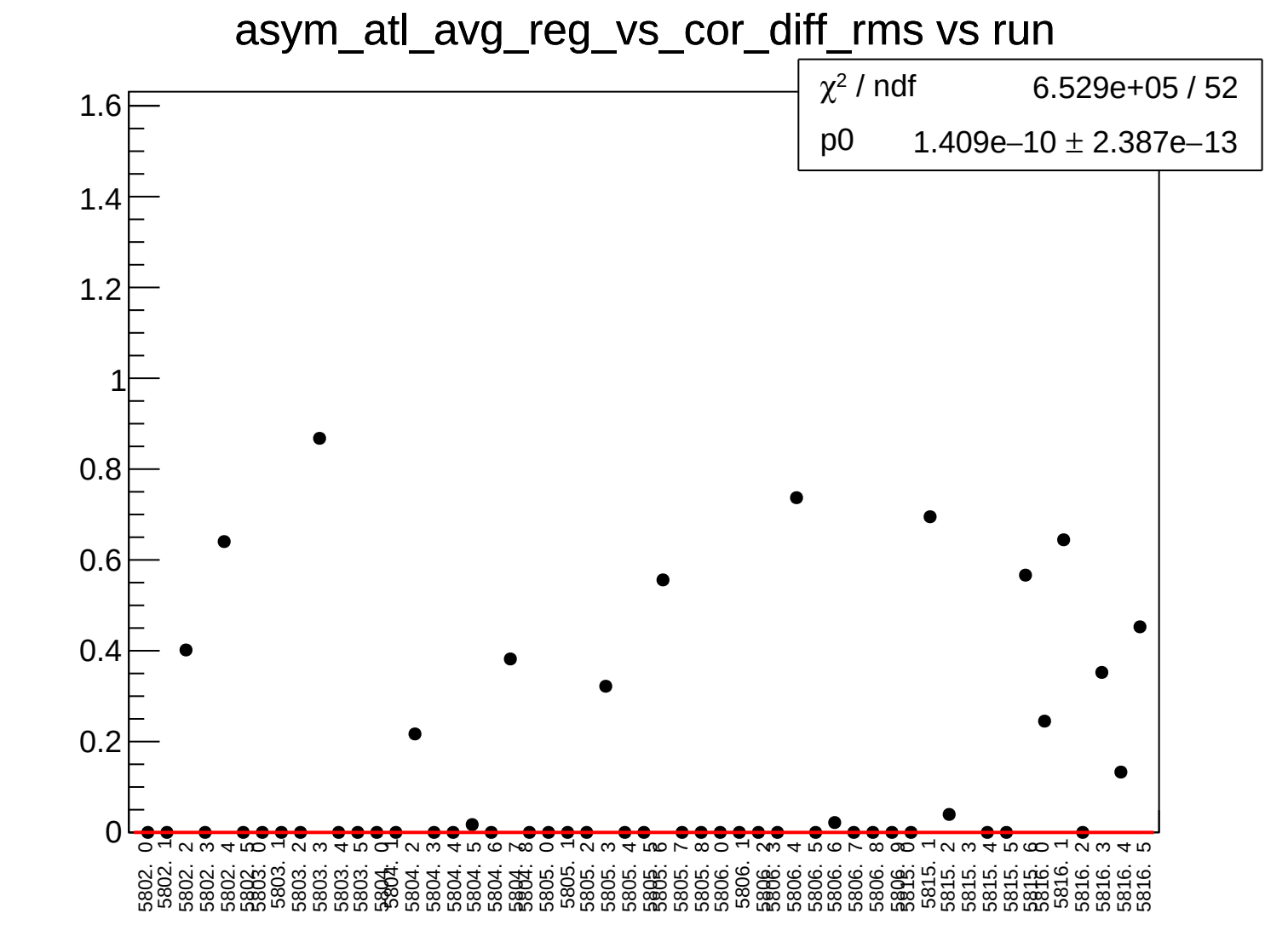

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 71.26 / 52
p0 3035 ± 5885
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −75.64
Std Dev 0
2
1
0
−1
−2
−3

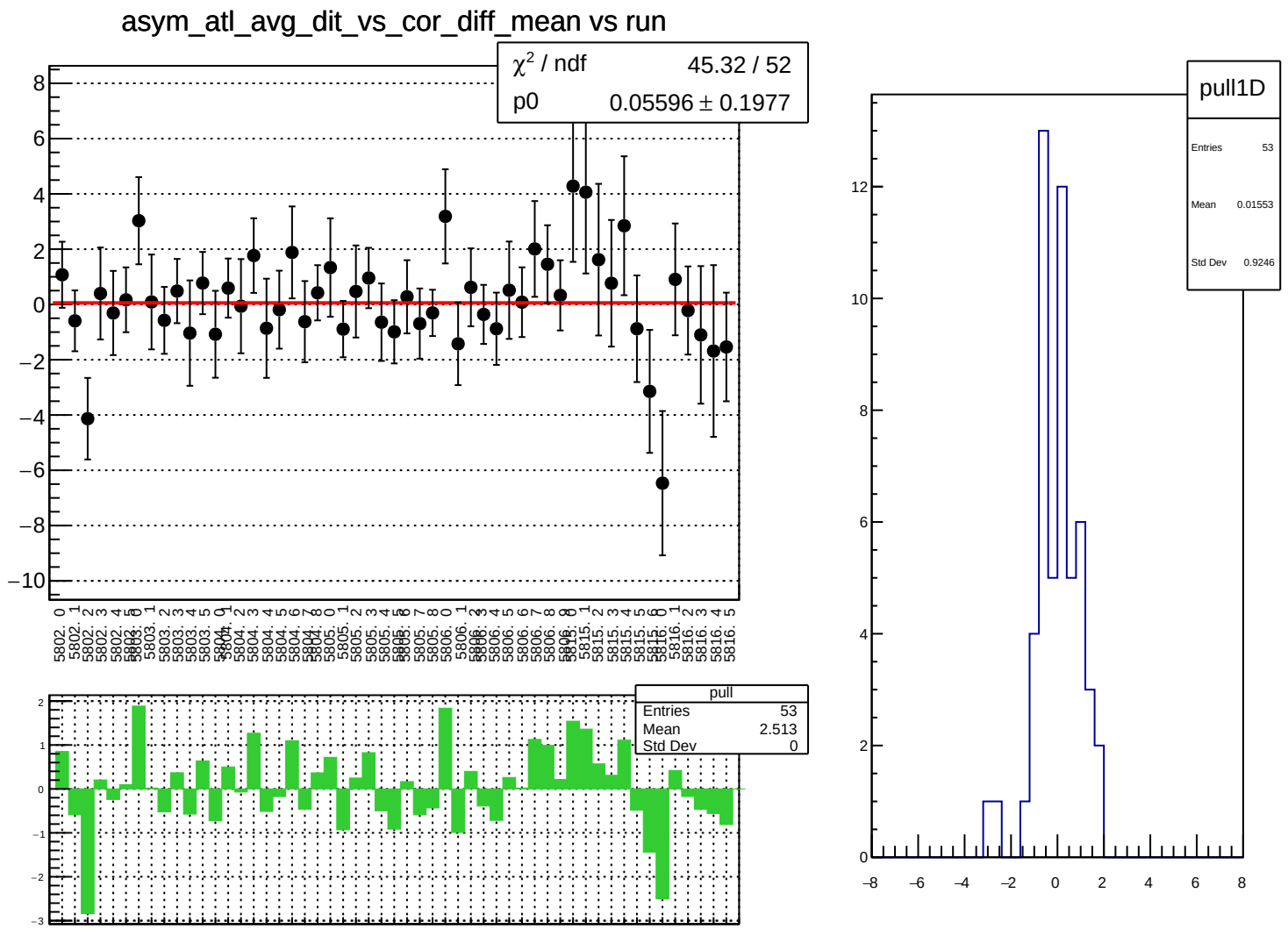

pull1D
Entries 53
Mean −0.02217
Std Dev 1.159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

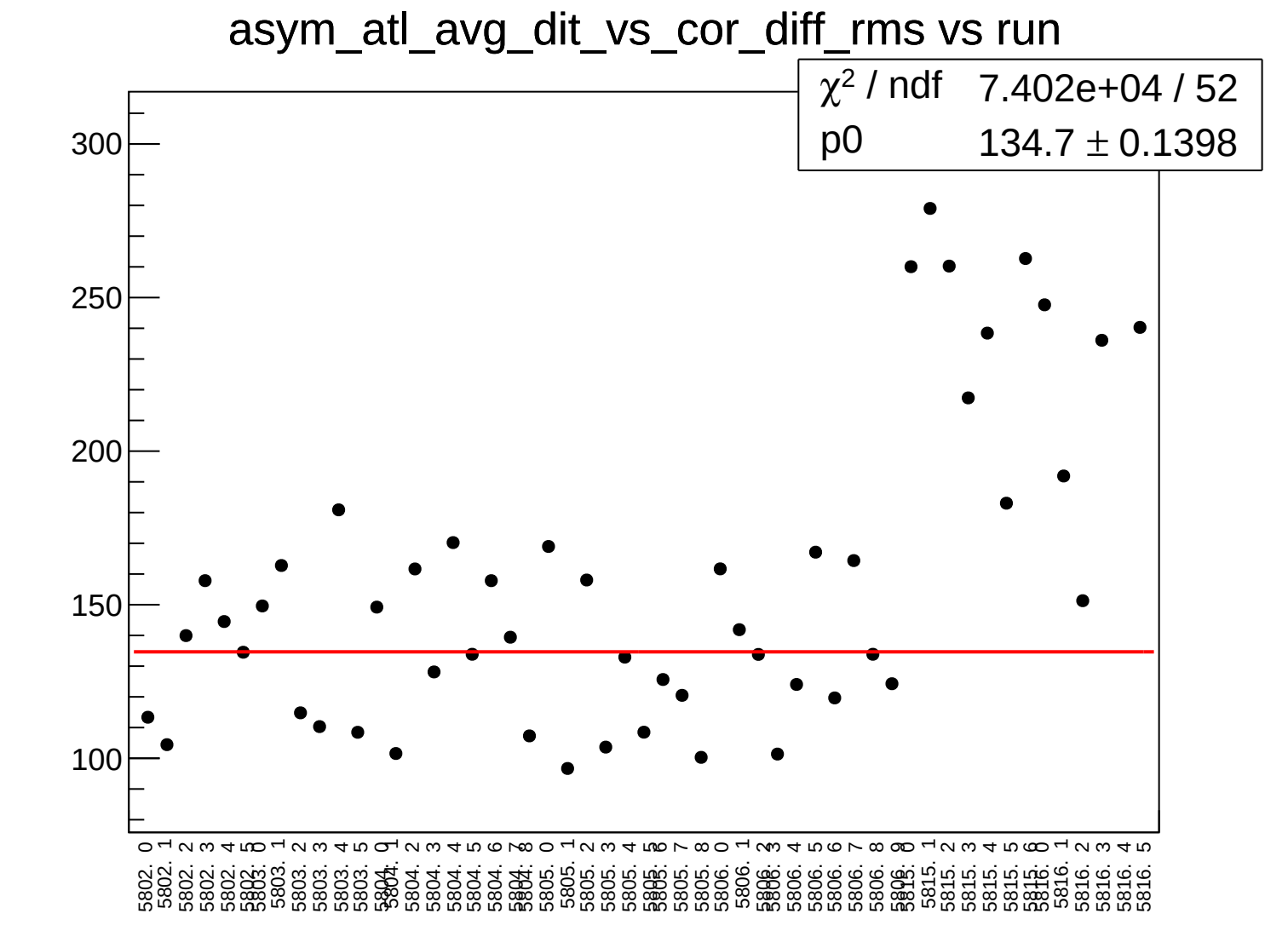

asym_atl_avg_rms vs run
χ² / ndf 2379 / 52
p0 4160 ± 4.162
5000
4800
4600
4400
4200
4000
3800

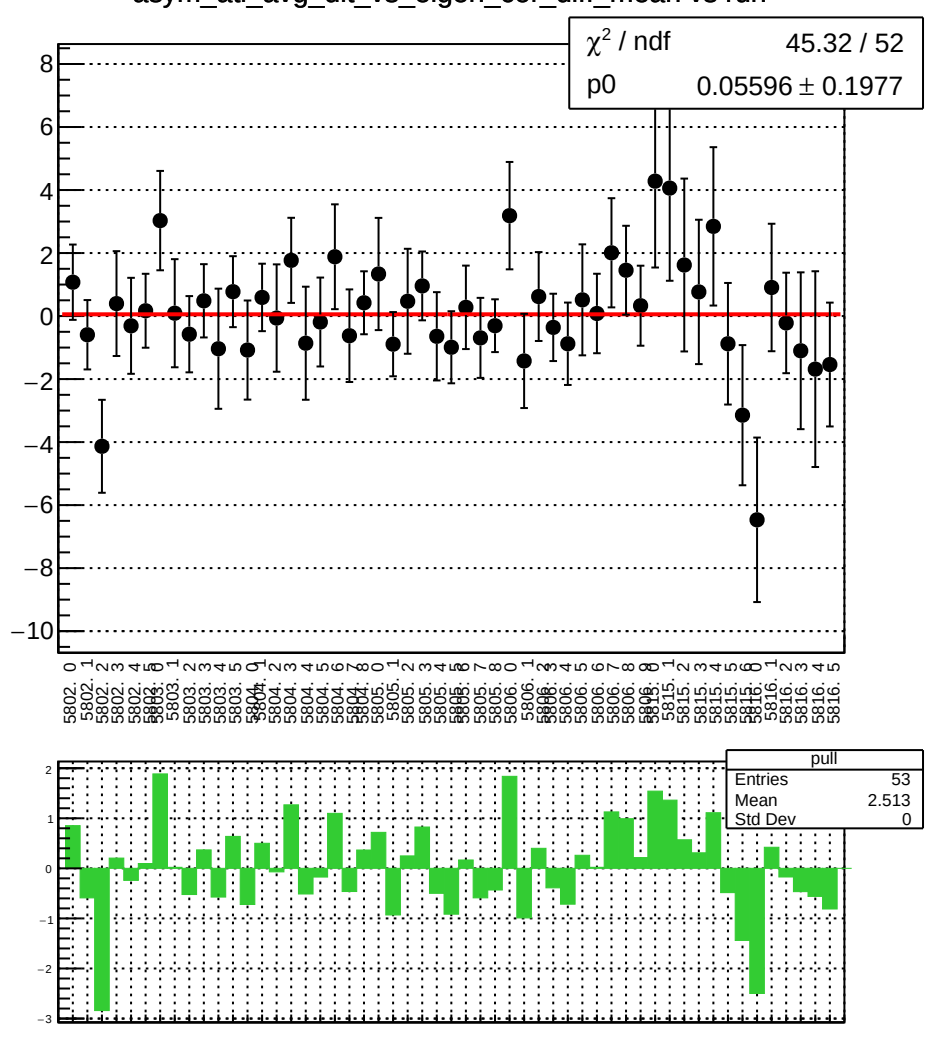

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 37 / 52
p0 −1.233e−13 ± 3.376e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 53
Mean 30.35
Std Dev 21.42
1.5
1
0.5
0
−0.5
−1
−1.5

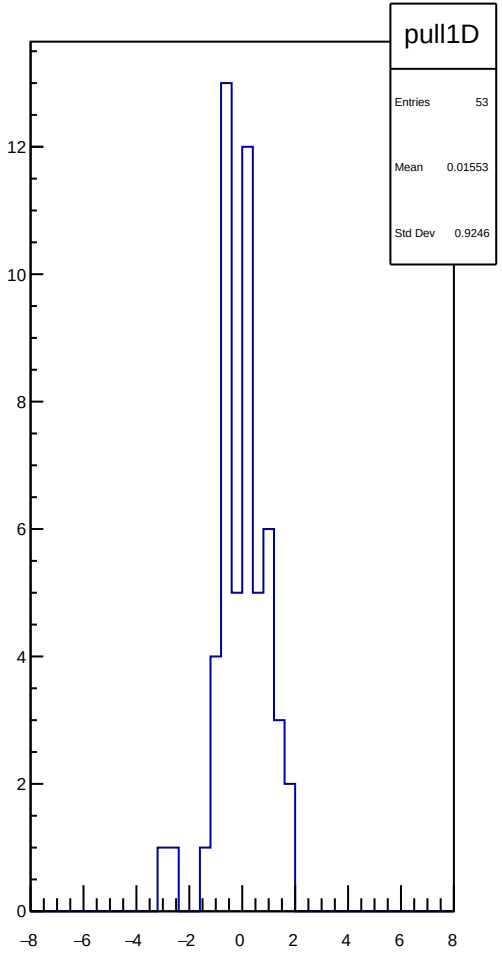

pull1D
Entries 53
Mean −0.1071
Std Dev 0.8286
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

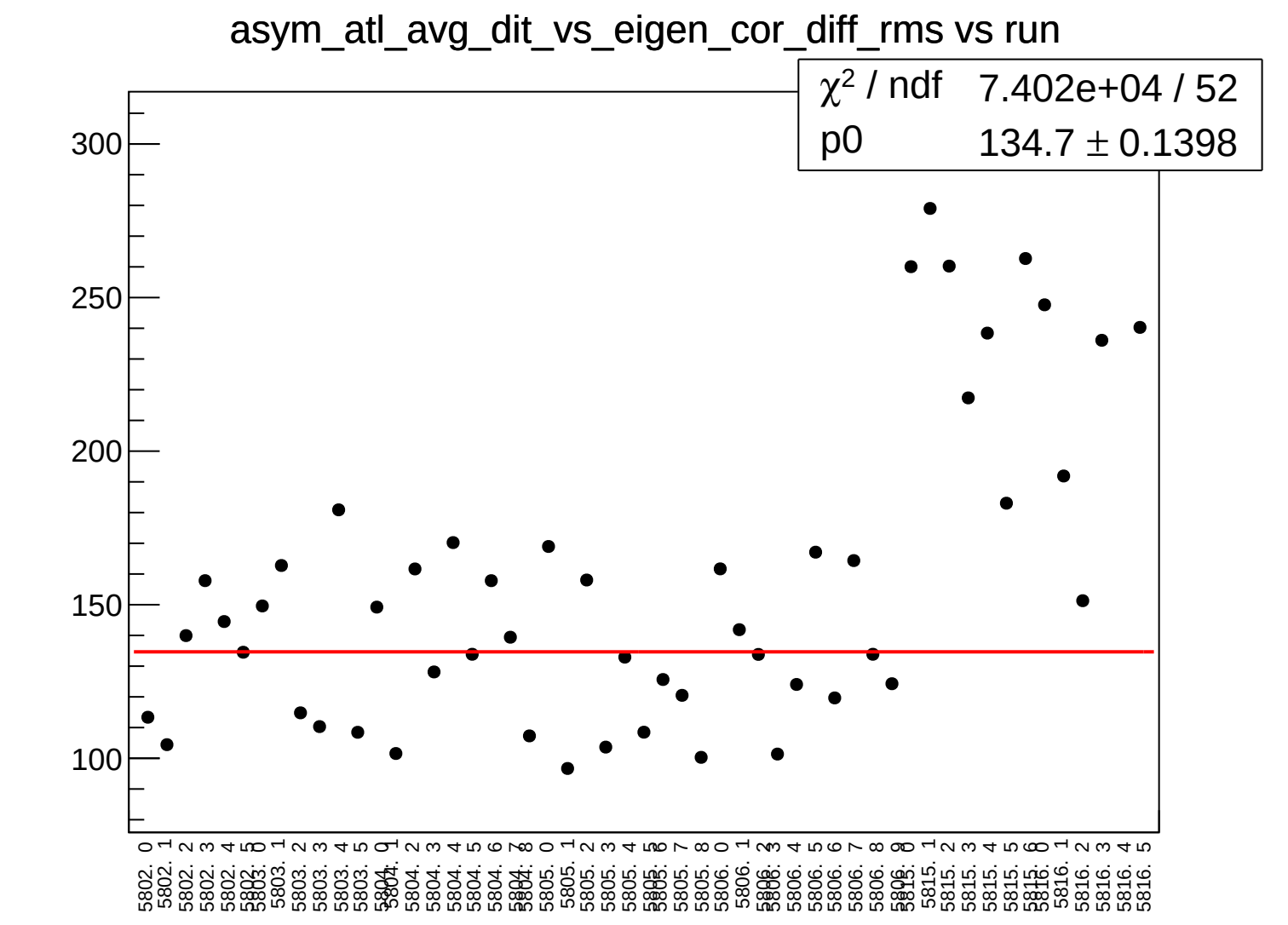

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.529e+05 / 52
p0 1.409e−10 ± 2.387e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

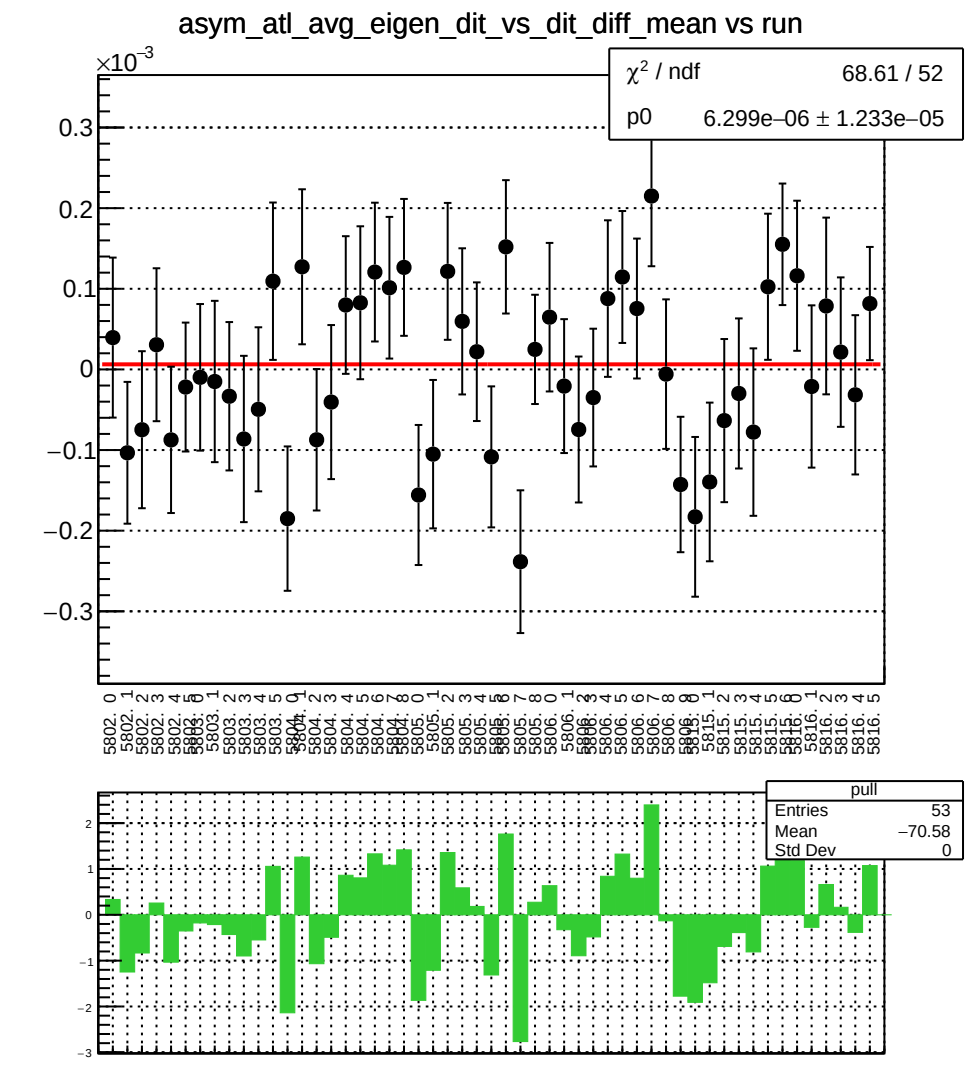

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.32 / 52
p0 0.05596 ± 0.1977
pull
Entries 53
Mean 2.513
Std Dev 0
pull1D
Entries 53
Mean 0.01553
Std Dev 0.9246

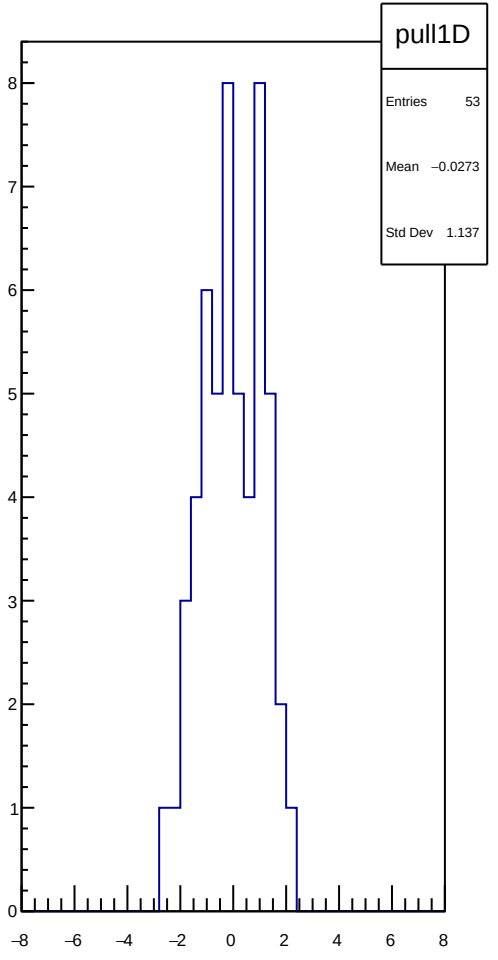

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.402e+04 / 52
p0 134.7 ± 0.1398
300
250
200
150
100

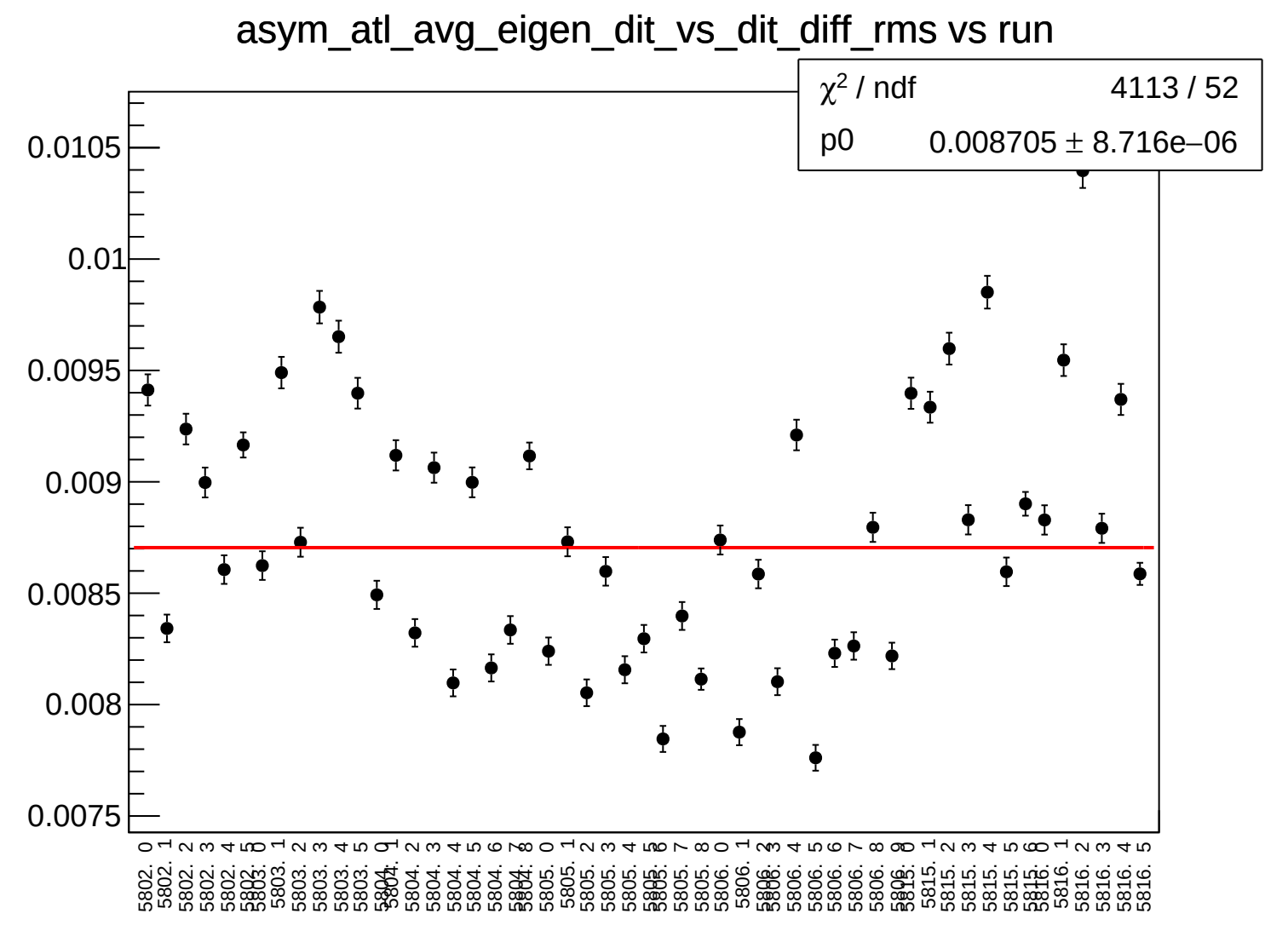

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.32 / 52
p0 0.05596 ± 0.1977
pull
Entries 53
Mean 2.513
Std Dev 0

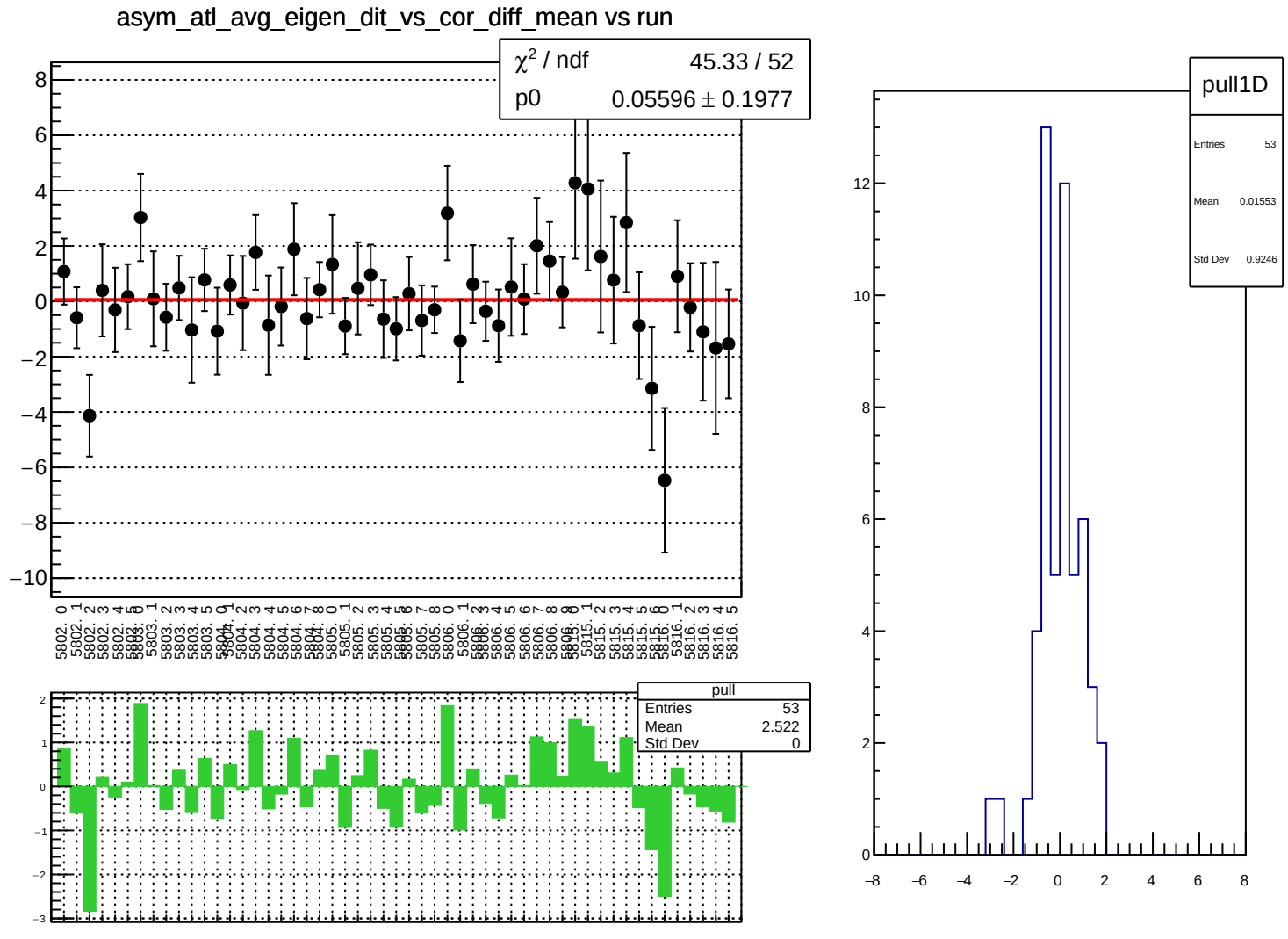

pull1D
Entries 53
Mean 0.01553
Std Dev 0.9246

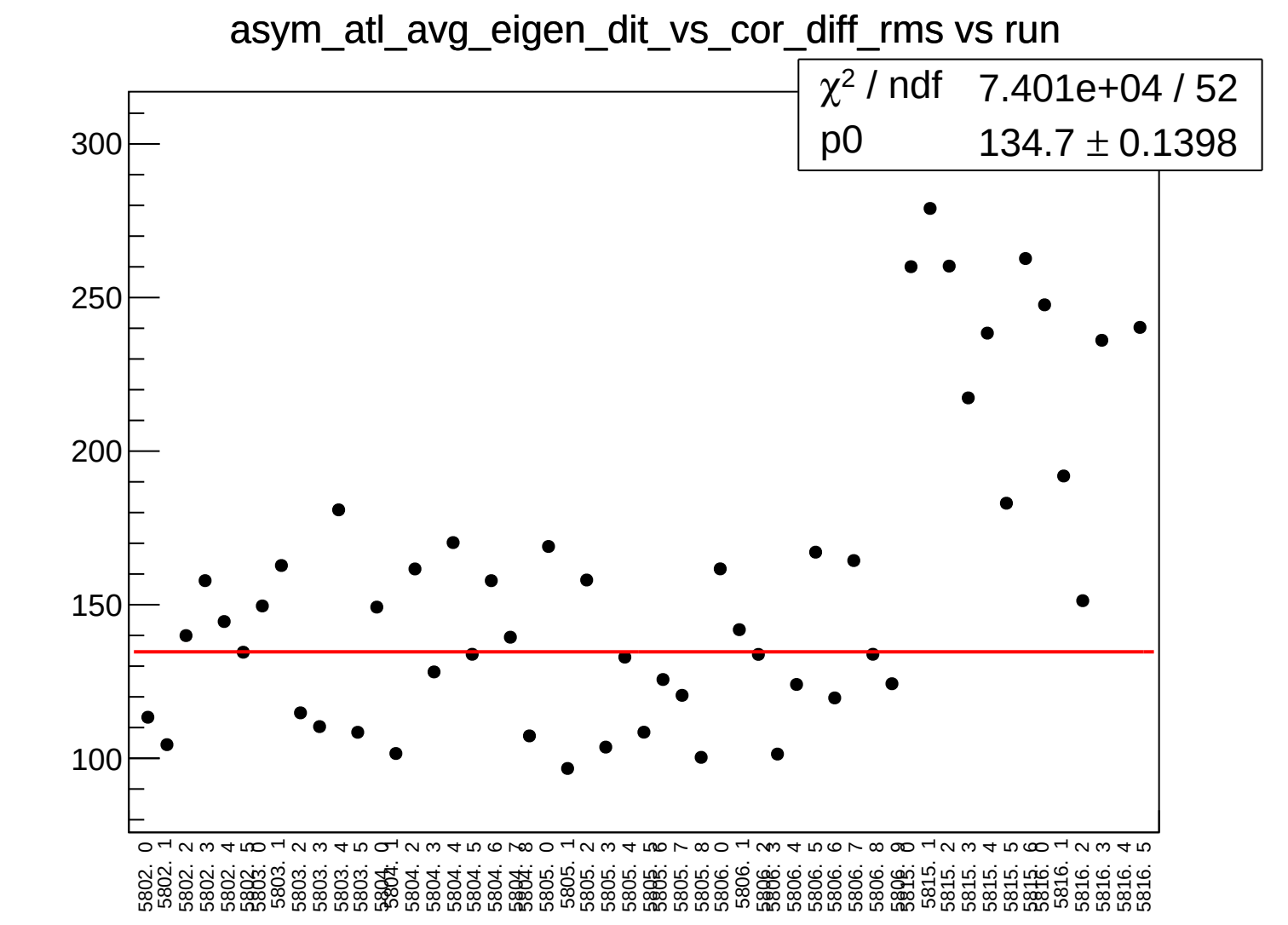

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.402e+04 / 52
p0 134.7 ± 0.1398
300
250
200
150
100

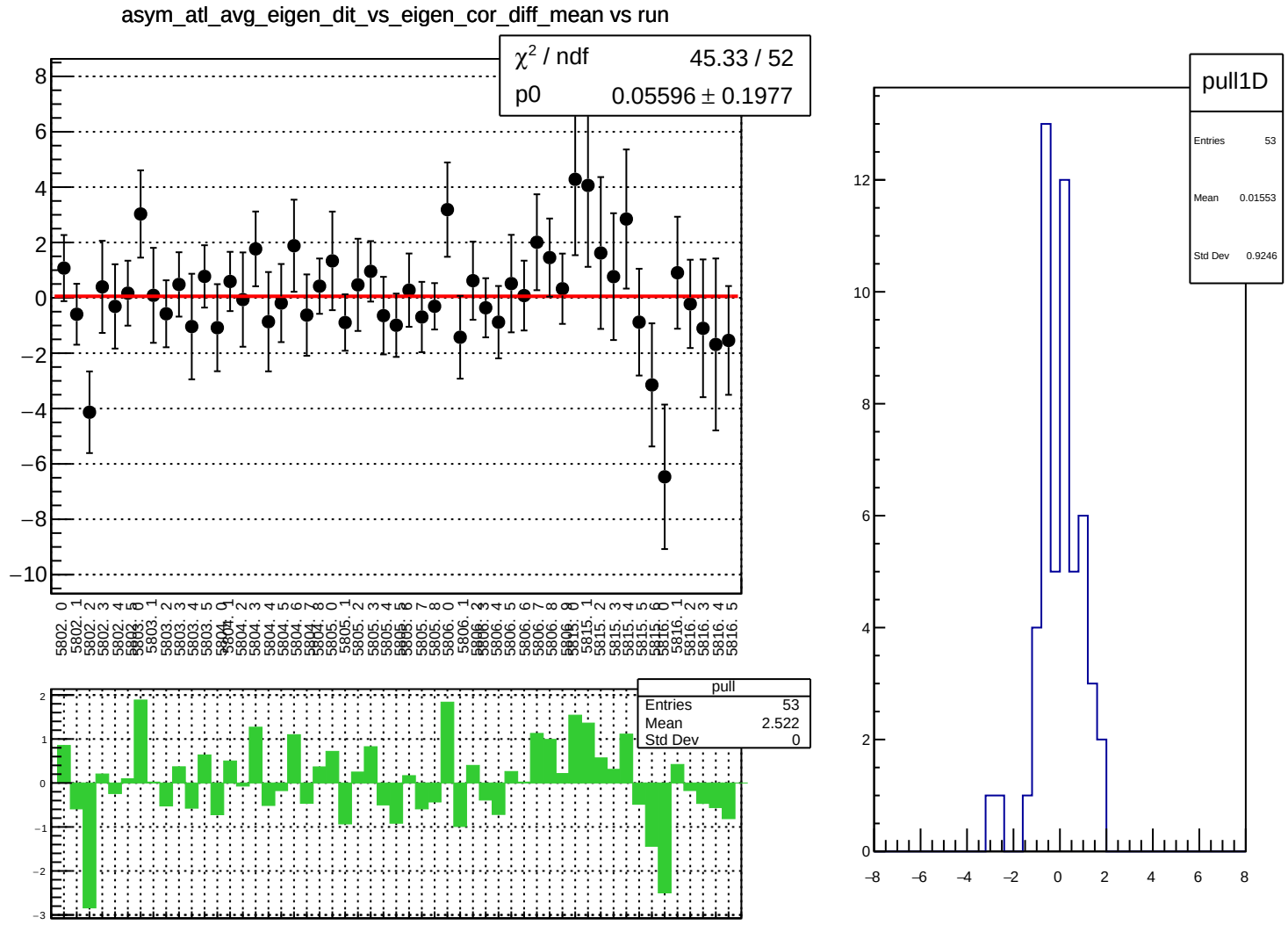

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.61 / 52
p0 6.299e−06 ± 1.233e−05
pull
Entries 53
Mean −70.58
Std Dev 0

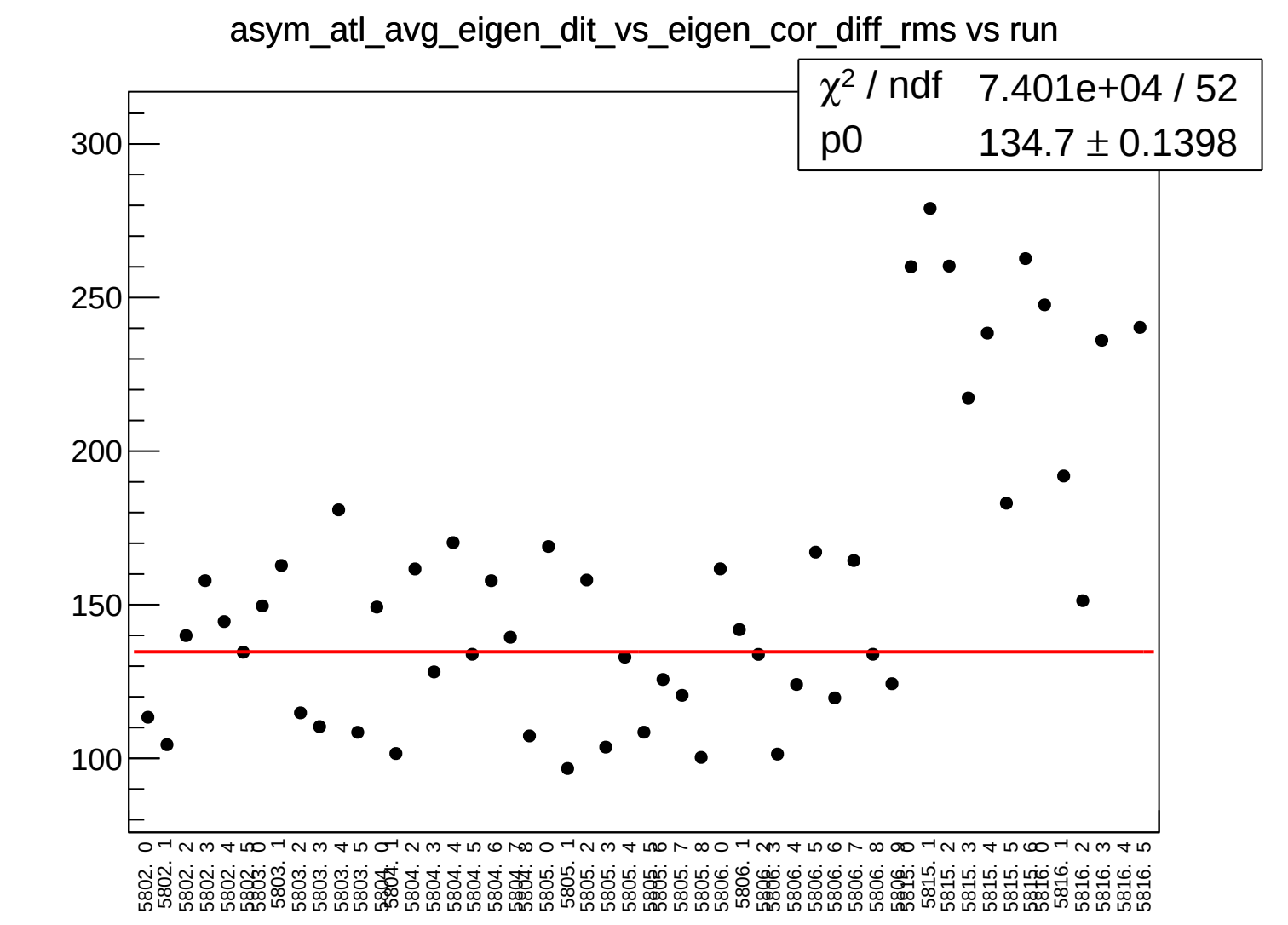

pull1D
Entries 53
Mean −0.0273
Std Dev 1.137

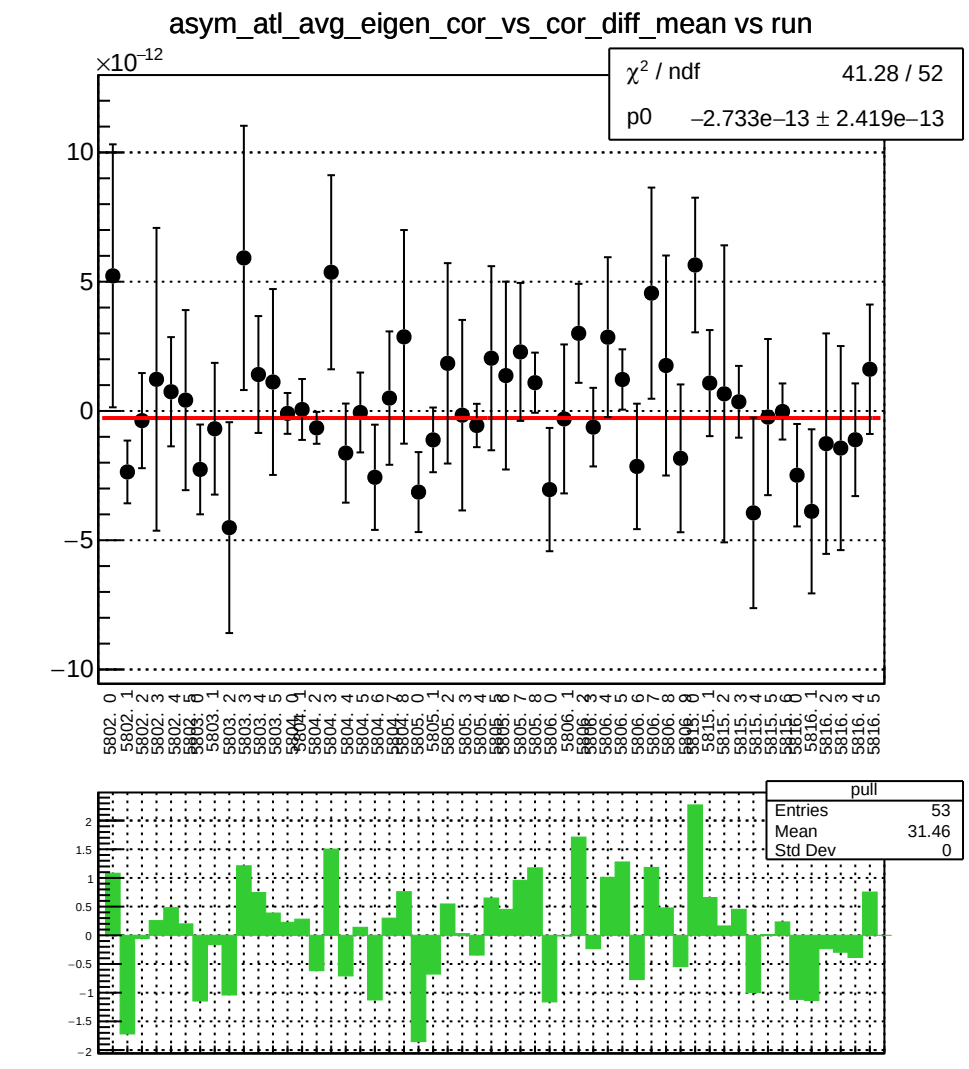

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4113 / 52
p0 0.008705 ± 8.716e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

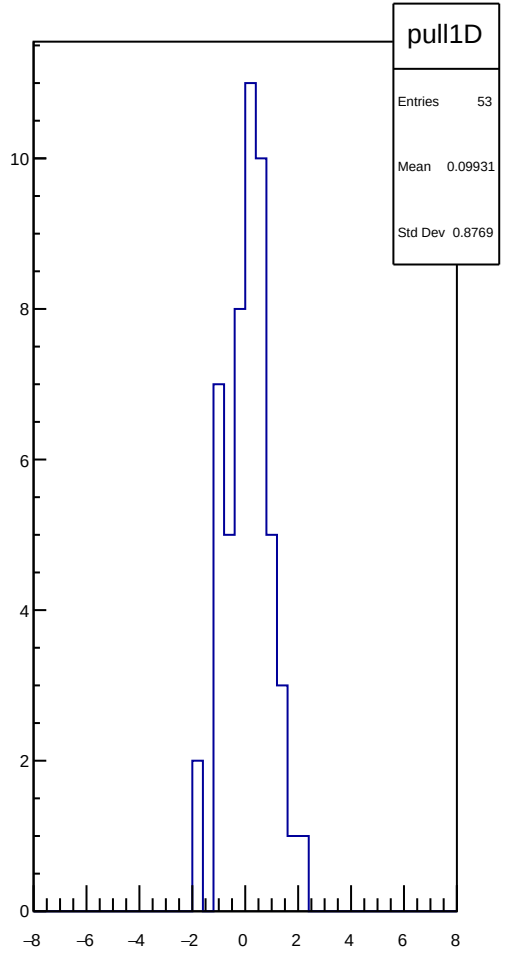

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.33 / 52
p0 0.05596 ± 0.1977
pull
Entries 53
Mean 2.522
Std Dev 0
pull1D
Entries 53
Mean 0.01553
Std Dev 0.9246

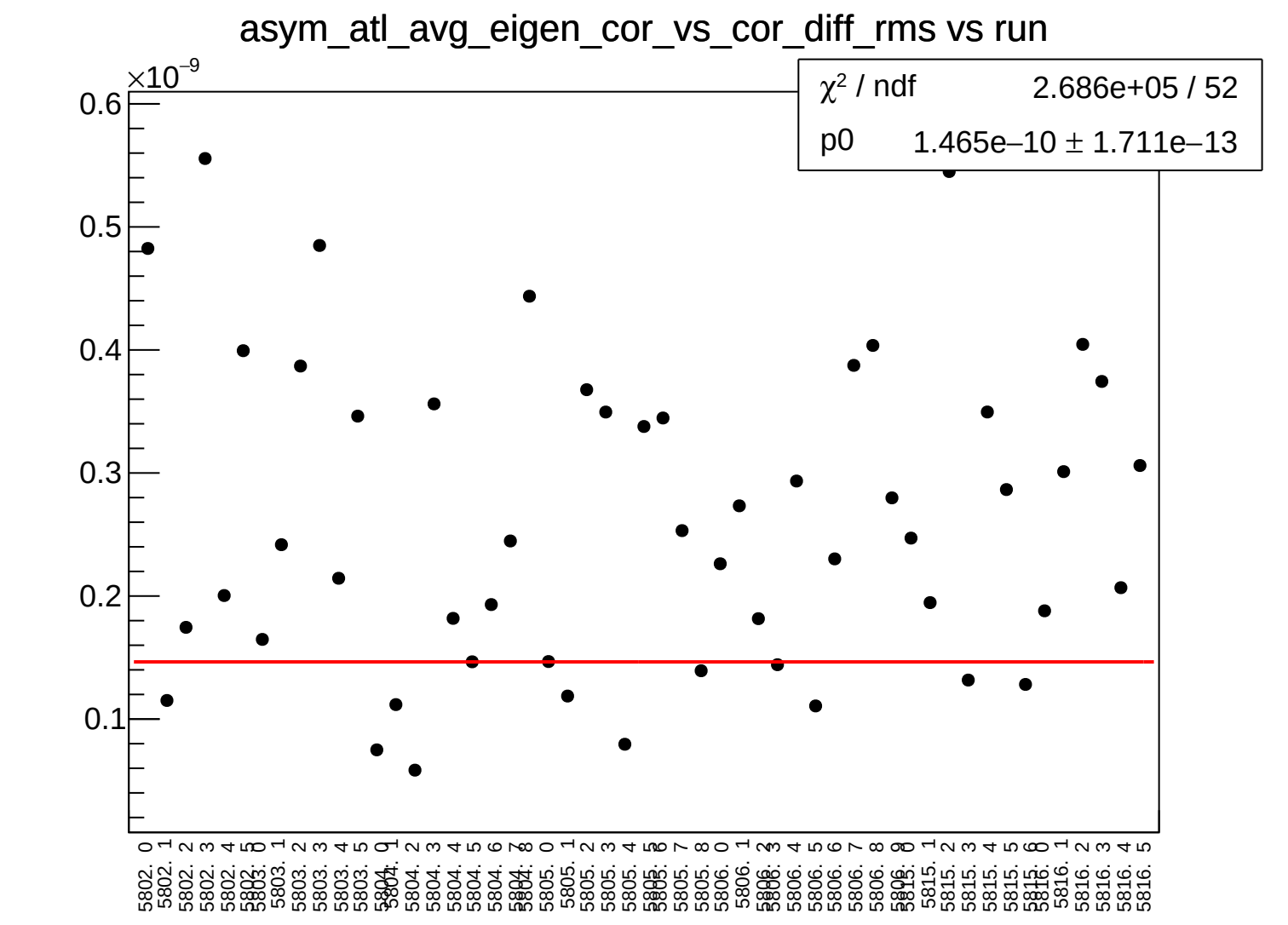

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.401e+04 / 52
p0 134.7 ± 0.1398
300
250
200
150
100

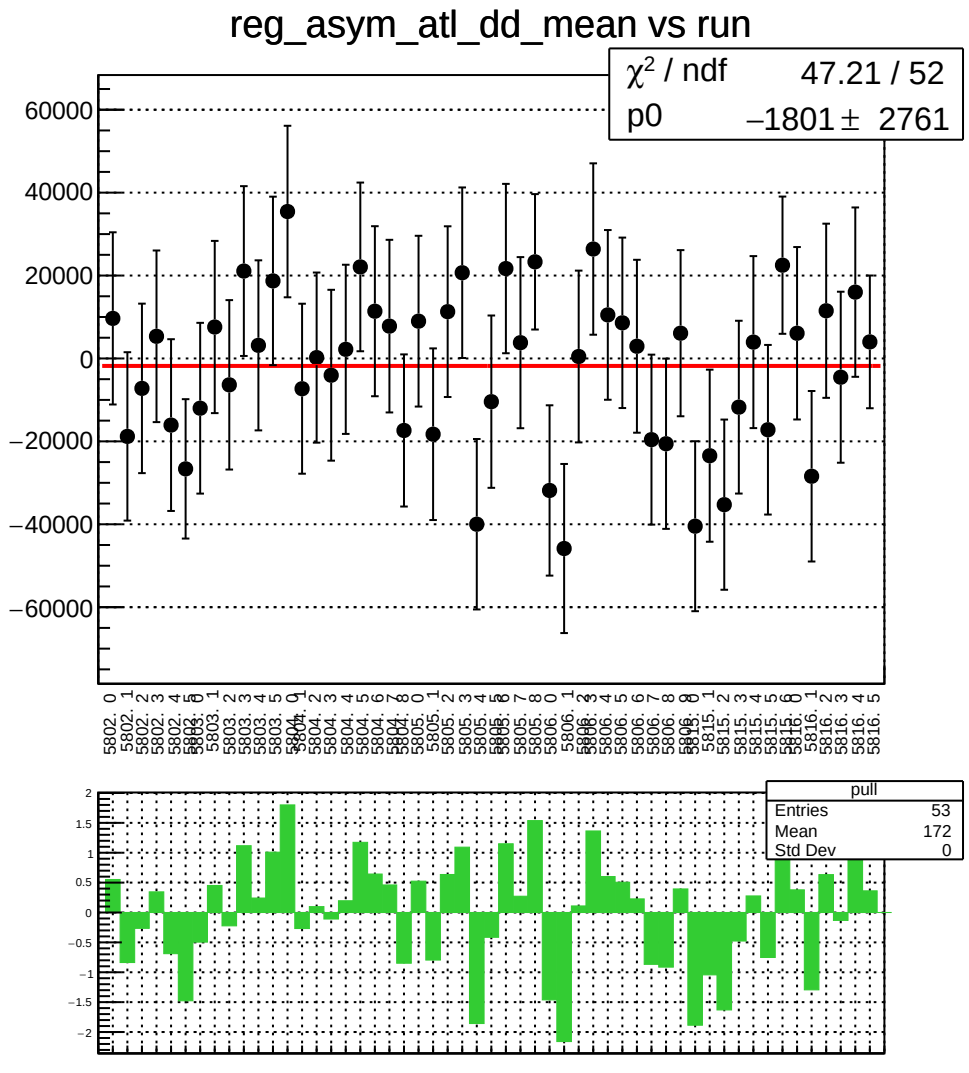

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.33 / 52
p0 0.05596 ± 0.1977
pull
Entries 53
Mean 2.522
Std Dev 0
pull1D
Entries 53
Mean 0.01553
Std Dev 0.9246

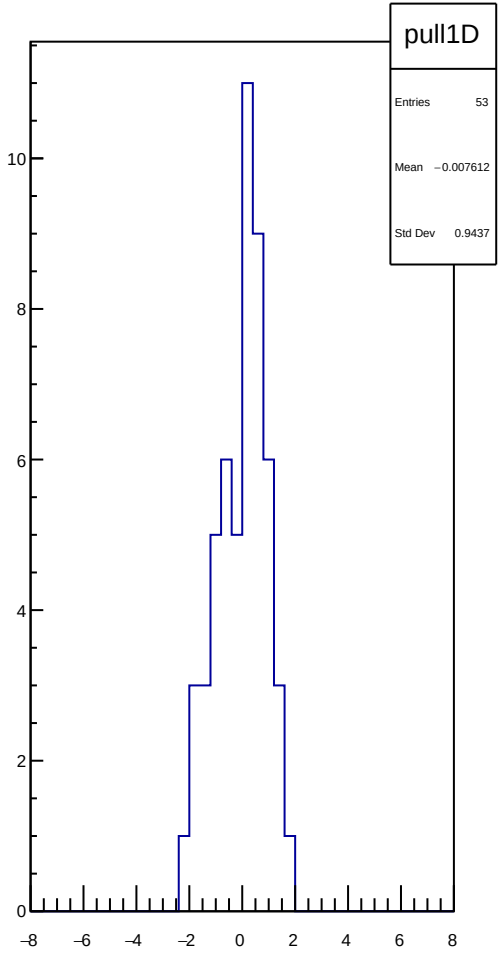

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.401e+04 / 52
p0 134.7 ± 0.1398
300
250
200
150
100

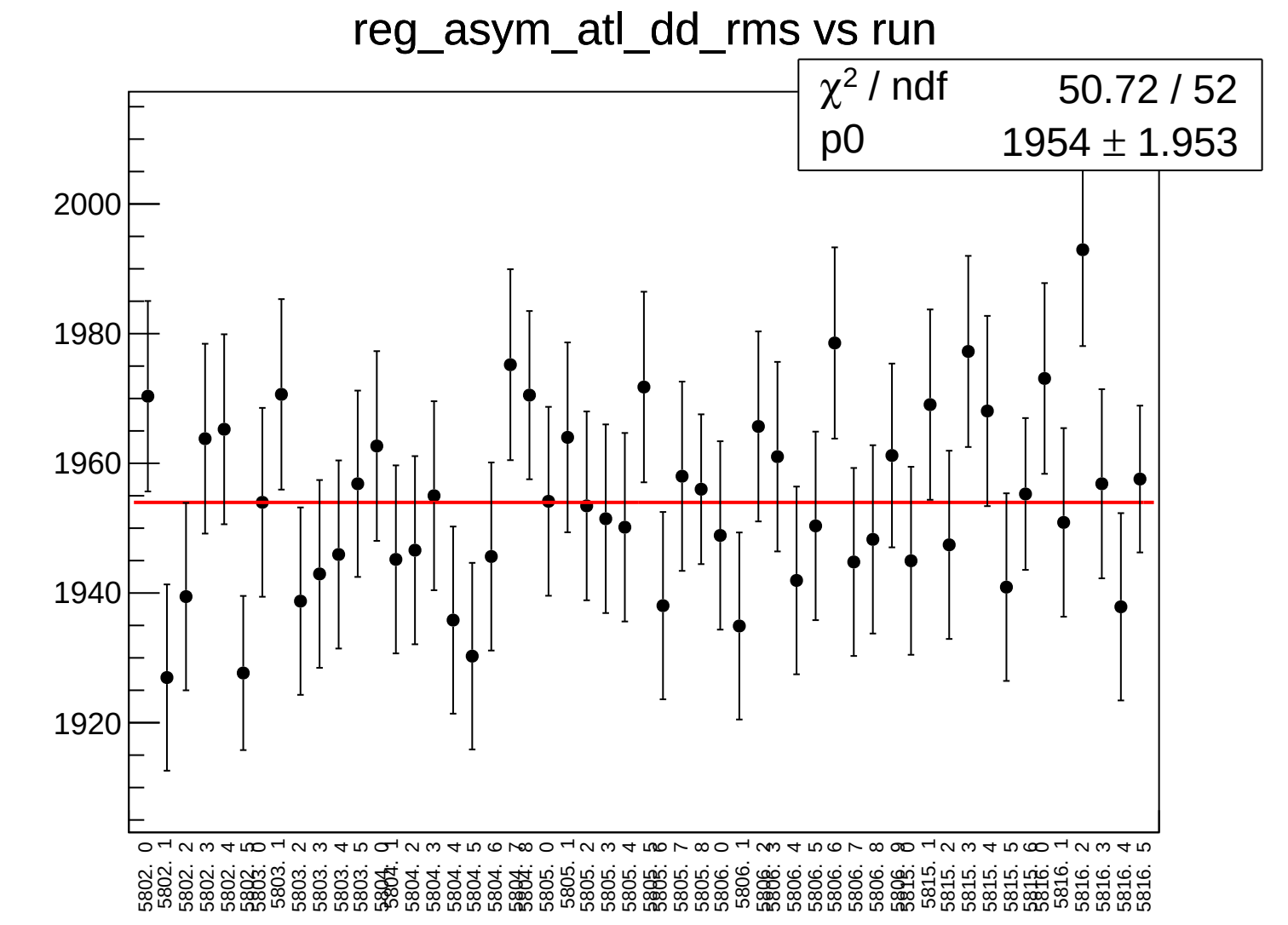

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.28 / 52
p0 −2.733e−13 ± 2.419e−13
10
5
0
−5
−10
pull
Entries 53
Mean 31.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

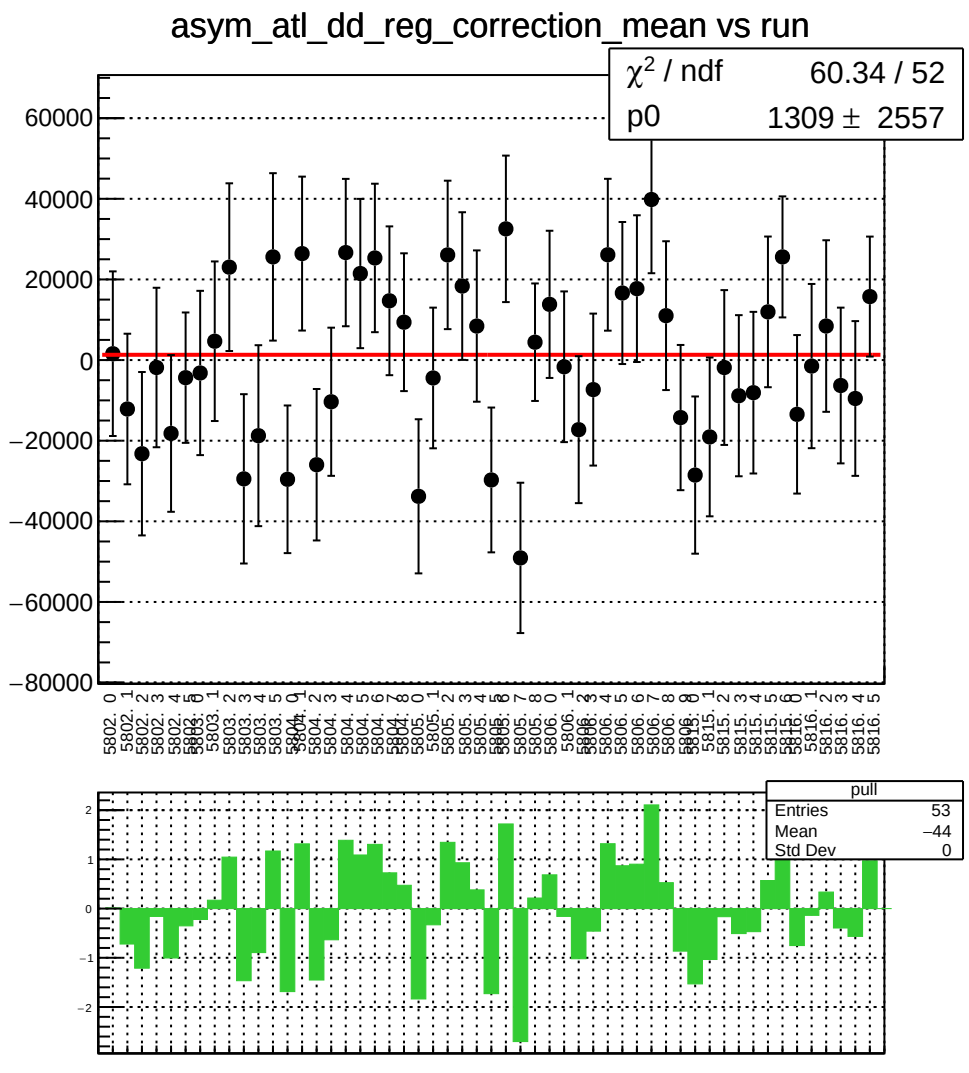

pull1D
Entries 53
Mean 0.09931
Std Dev 0.8769
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

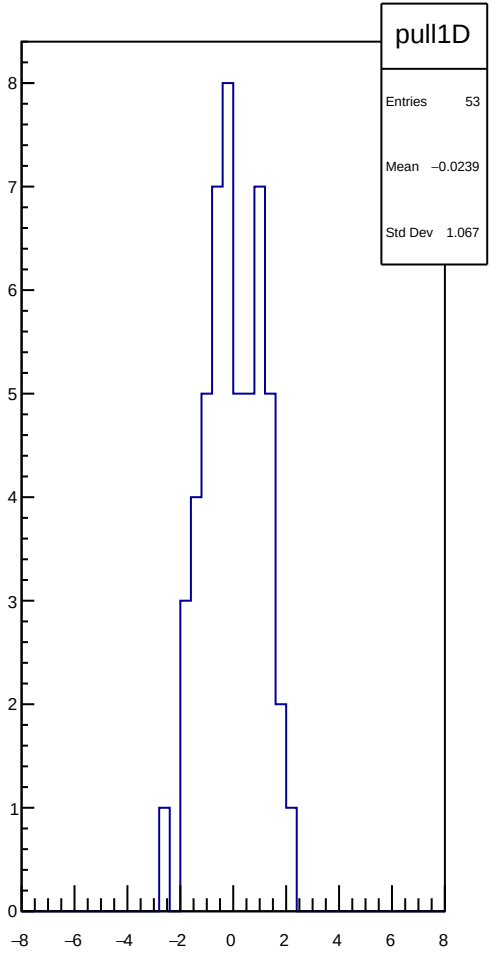

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.686e+05 / 52
p0 1.465e−10 ± 1.711e−13
0.6
0.5
0.4
0.3
0.2
0.1

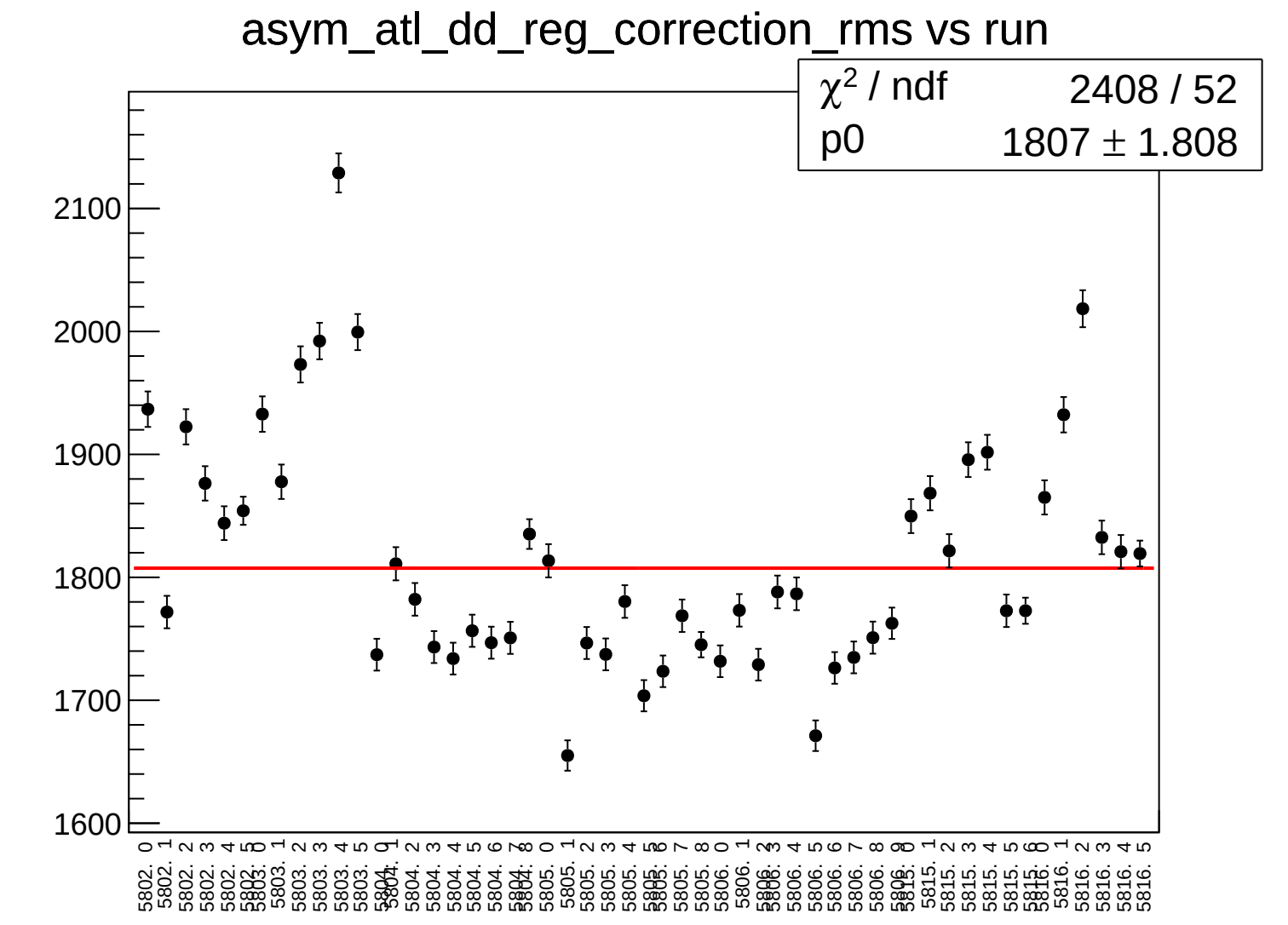

reg_asym_atl_dd_mean vs run
χ² / ndf 47.21 / 52
p0 −1801 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 172
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

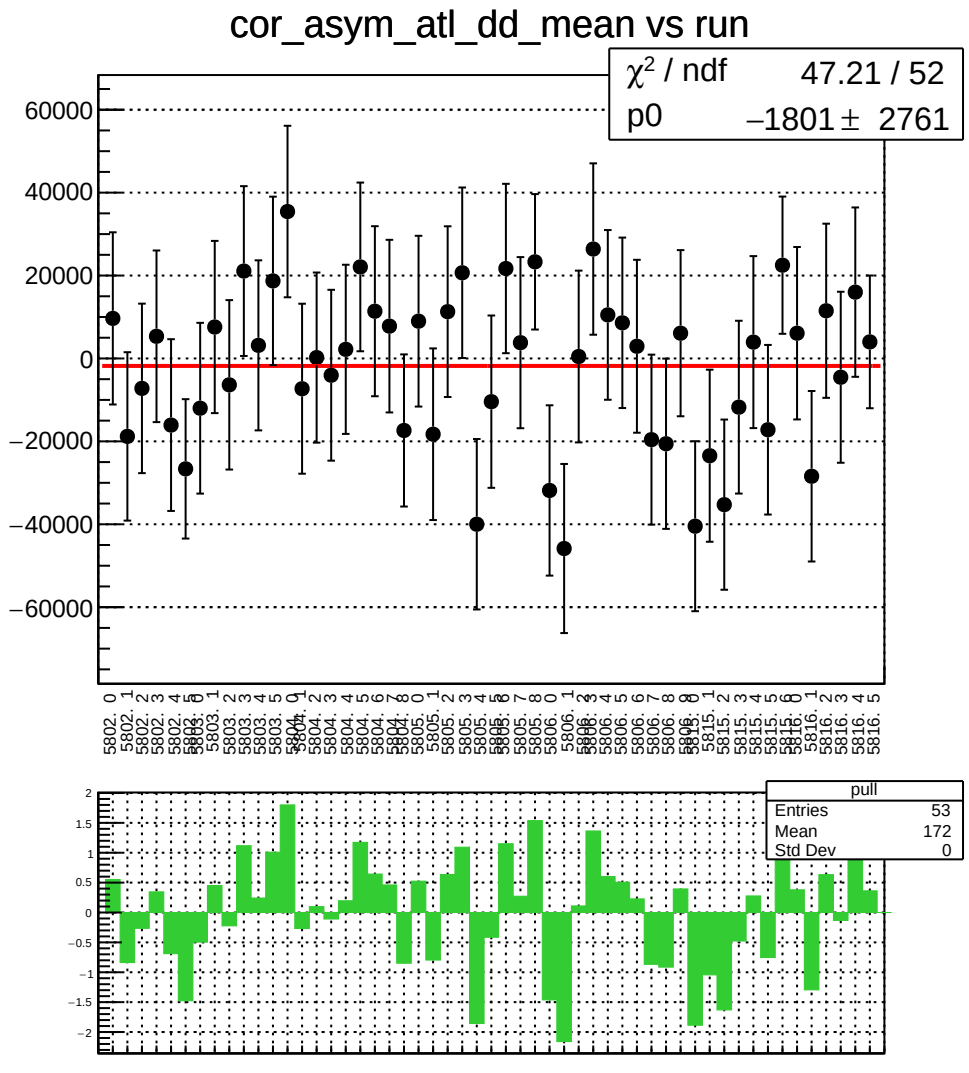

pull1D
Entries 53
Mean −0.007612
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

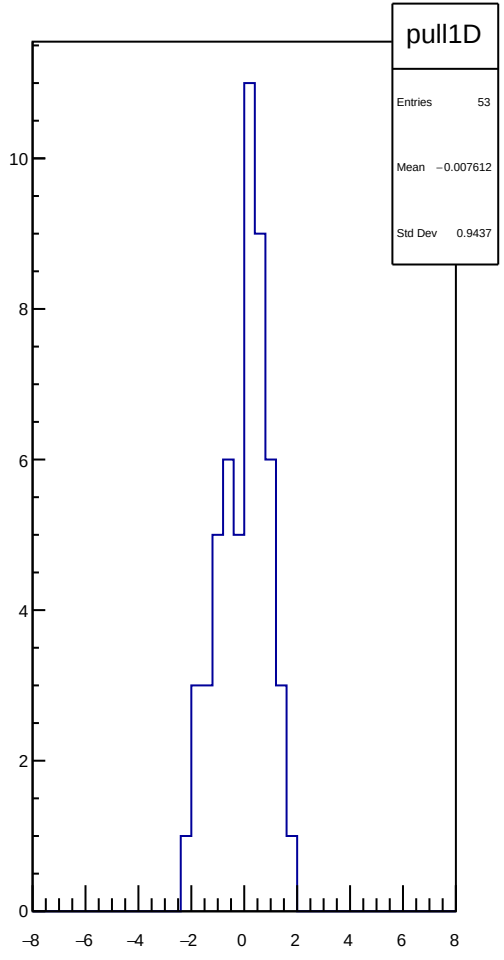

reg_asym_atl_dd_rms vs run
χ² / ndf 50.72 / 52
p0 1954 ± 1.953
2000
1980
1960
1940
1920

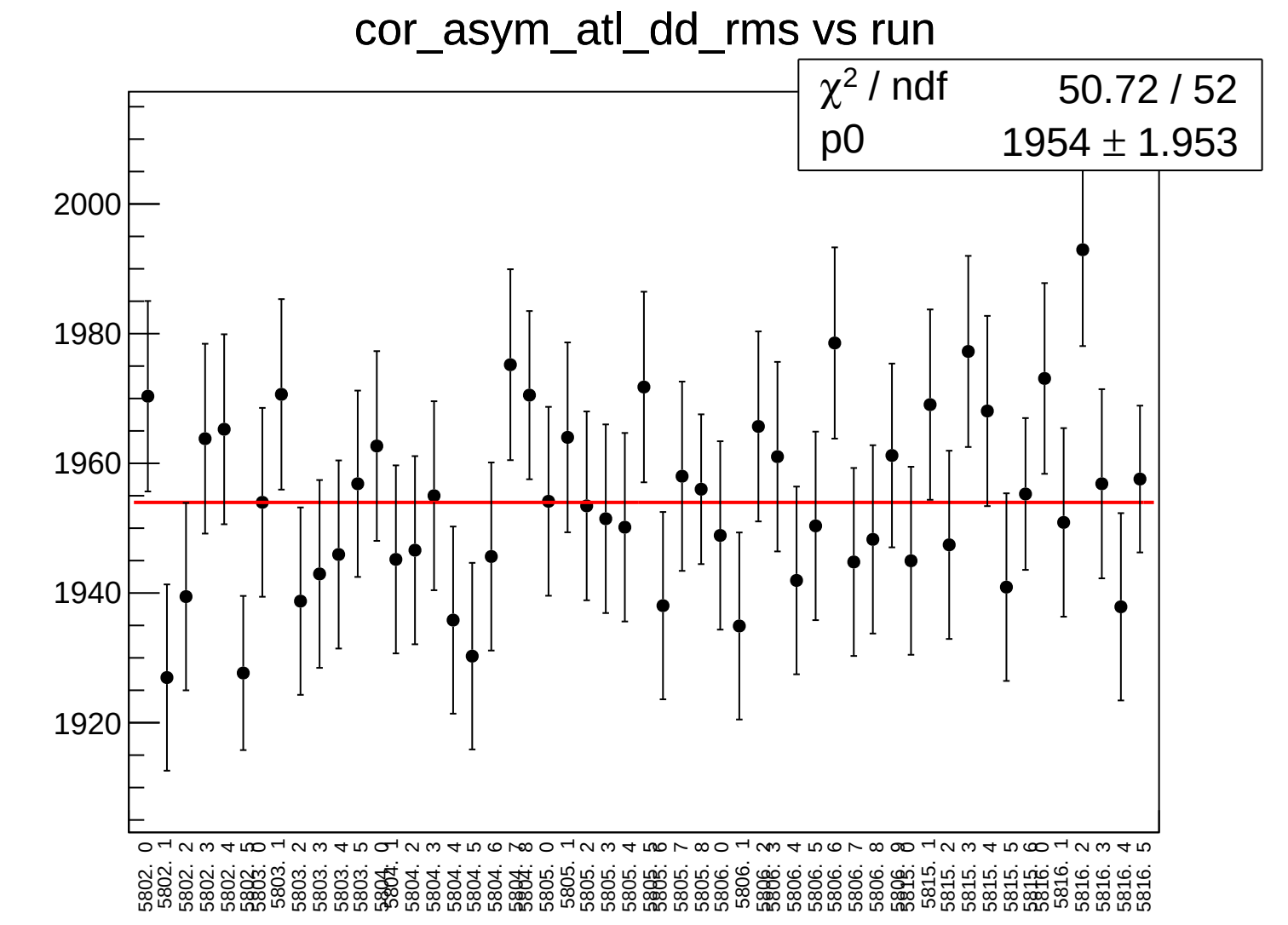

asym_atl_dd_reg_correction_mean vs run
χ² / ndf 60.34 / 52
p0 1309 ± 2557
pull
Entries 53
Mean −44
Std Dev 0

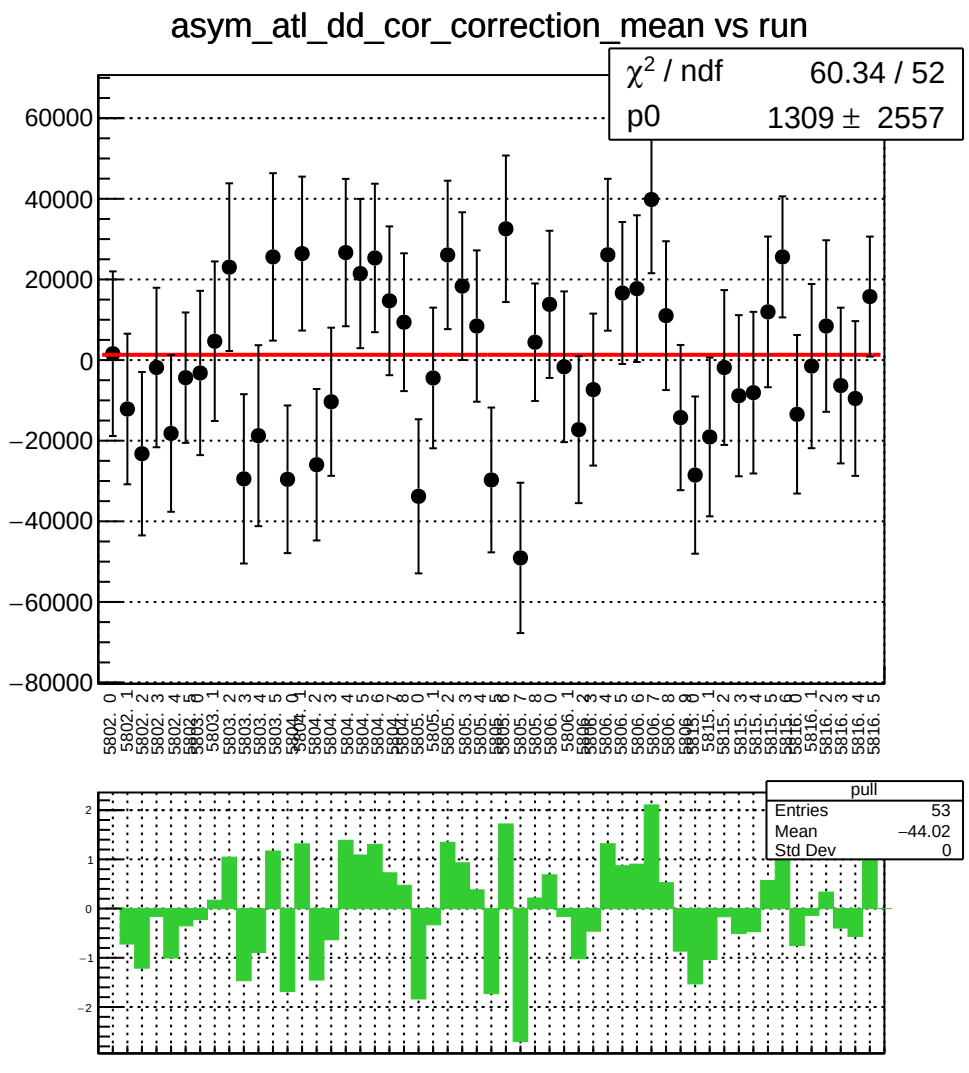

pull1D
Entries 53
Mean −0.0239
Std Dev 1.067

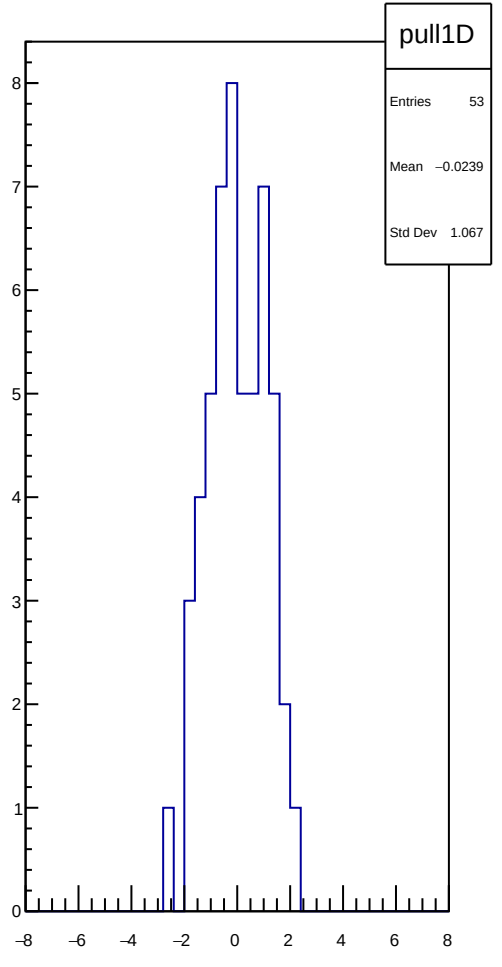

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 2408 / 52
p0 1807 ± 1.808
2100
2000
1900
1800
1700
1600

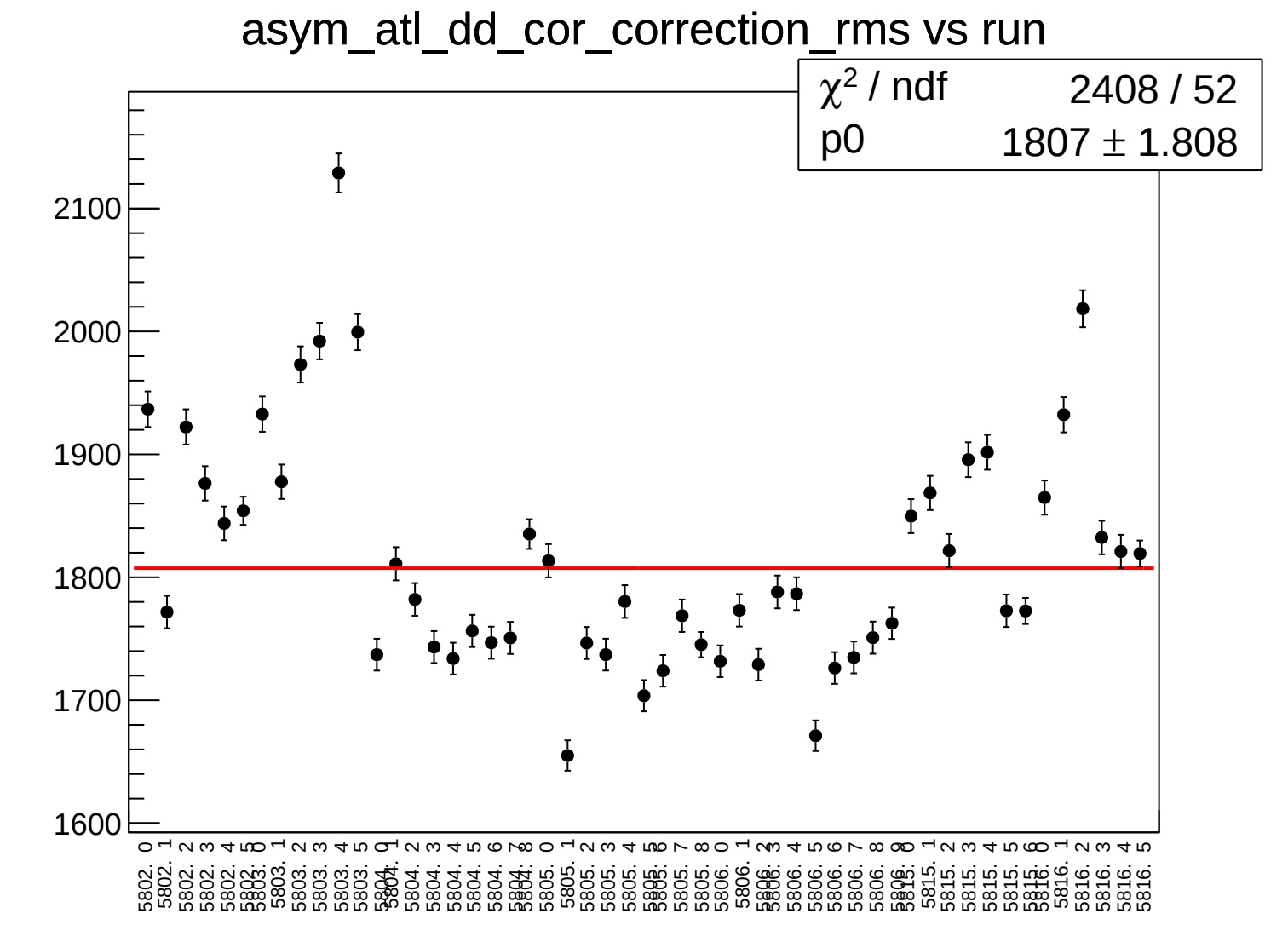

cor_asym_atl_dd_mean vs run
χ² / ndf 47.21 / 52
p0 −1801 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 172
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

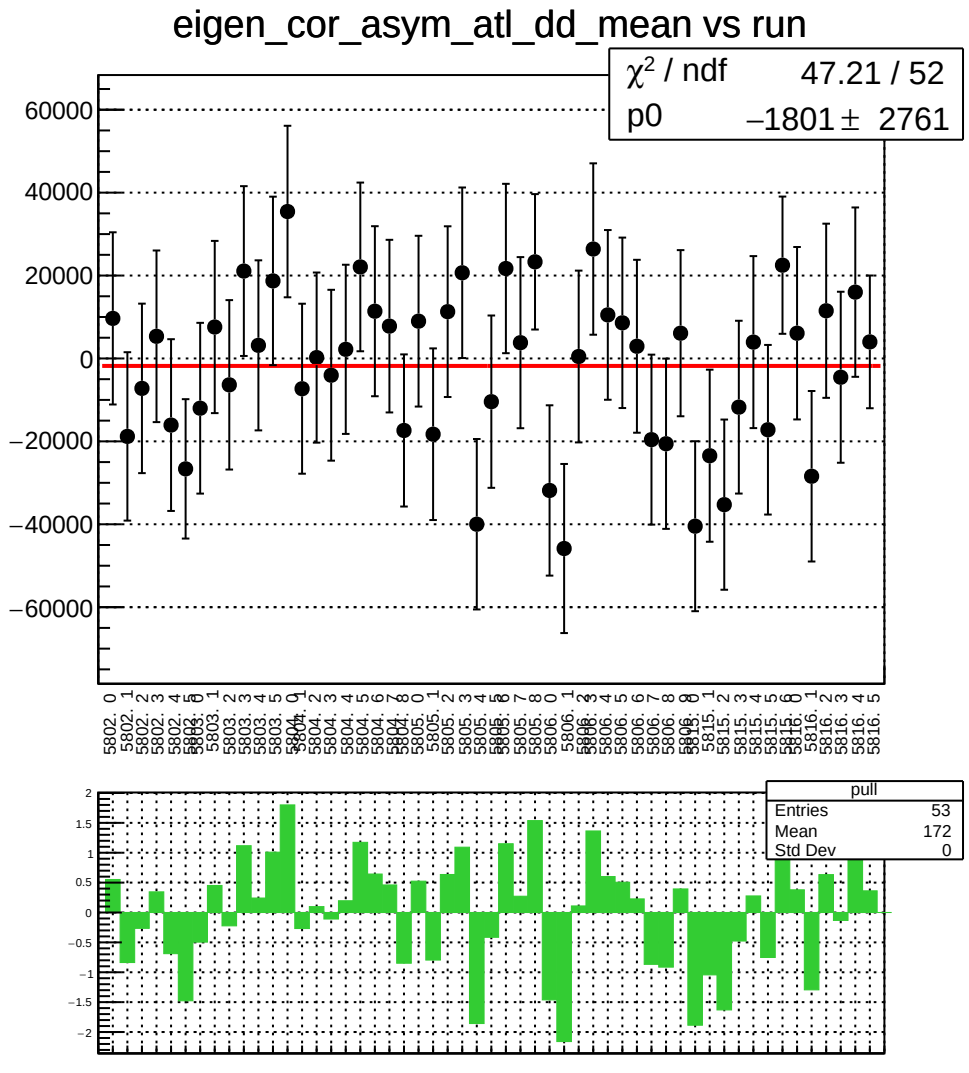

pull1D
Entries 53
Mean −0.007612
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

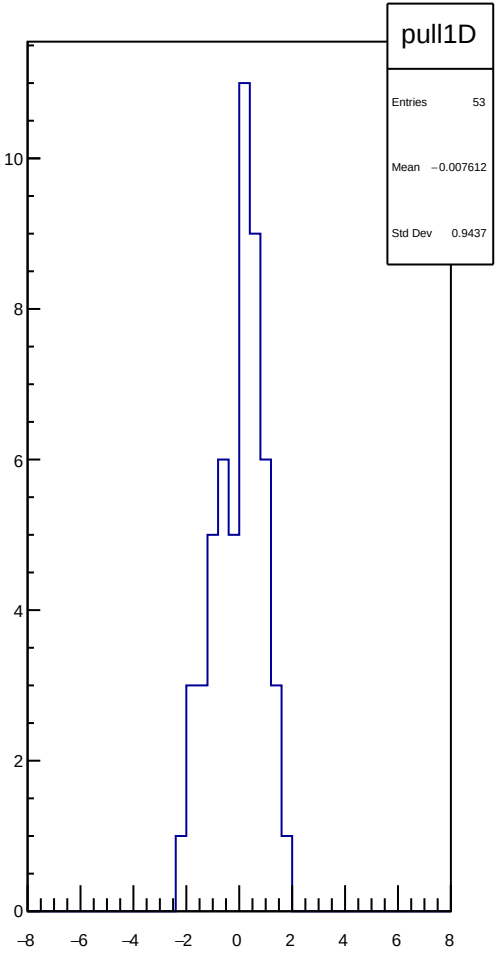

cor_asym_atl_dd_rms vs run
χ² / ndf 50.72 / 52
p0 1954 ± 1.953
2000
1980
1960
1940
1920

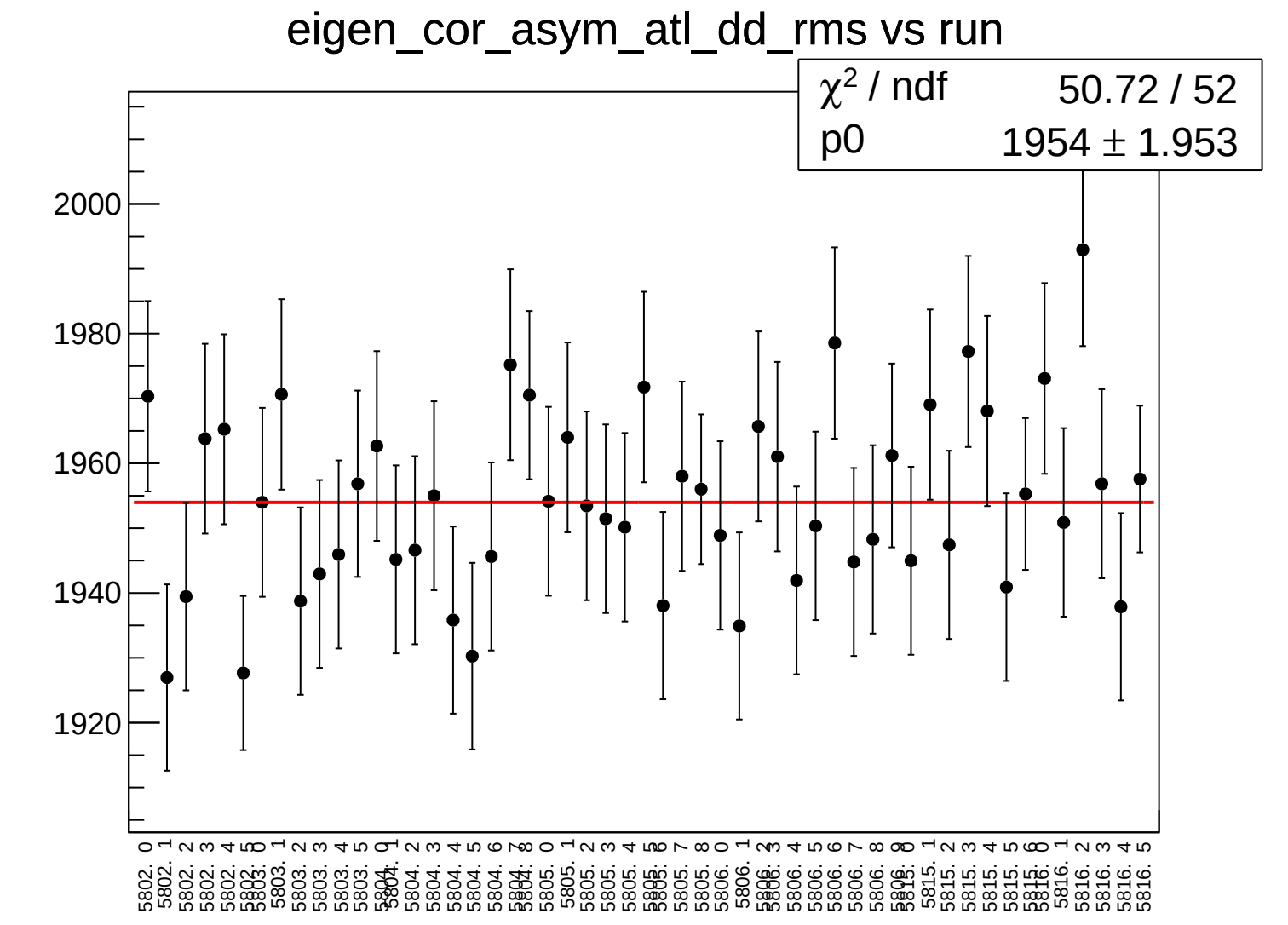

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 60.34 / 52
p0 1309 ± 2557
pull
Entries 53
Mean −44.02
Std Dev 0

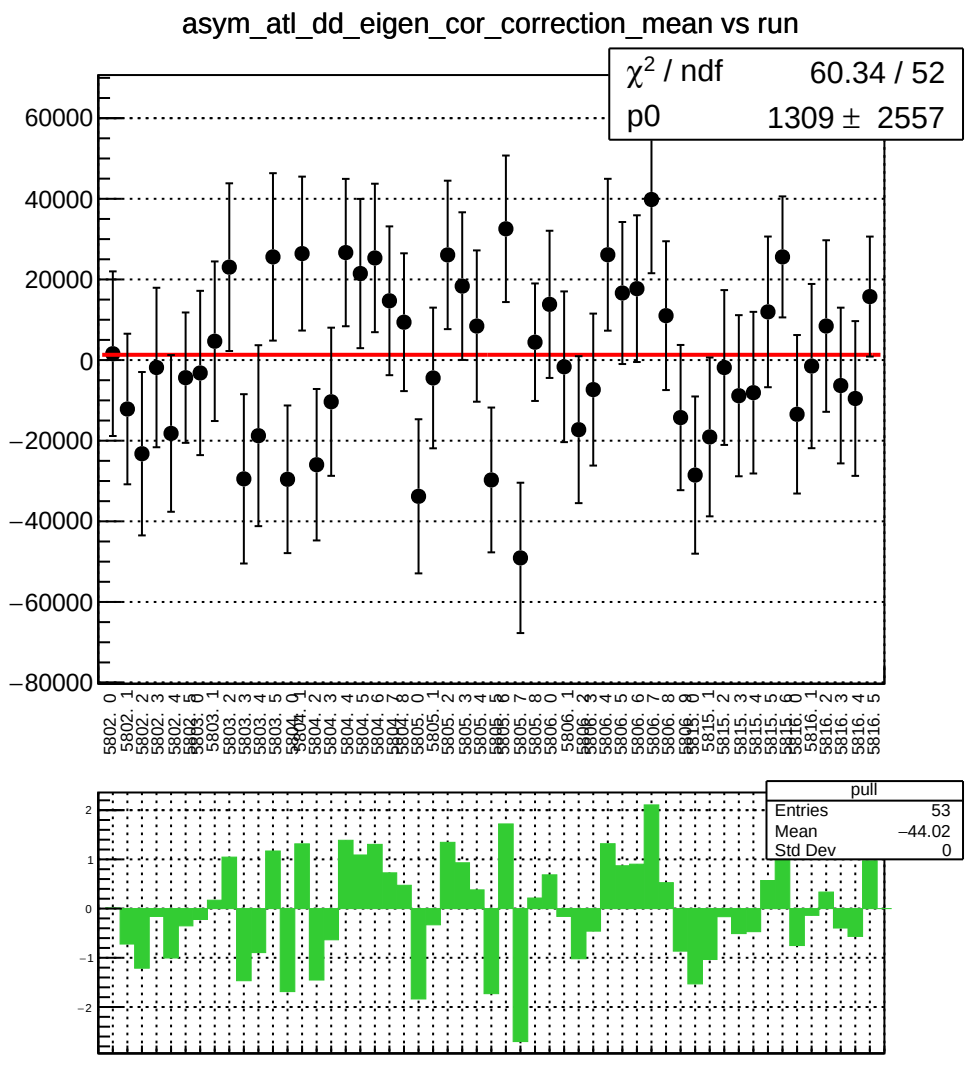

pull1D
Entries 53
Mean −0.0239
Std Dev 1.067

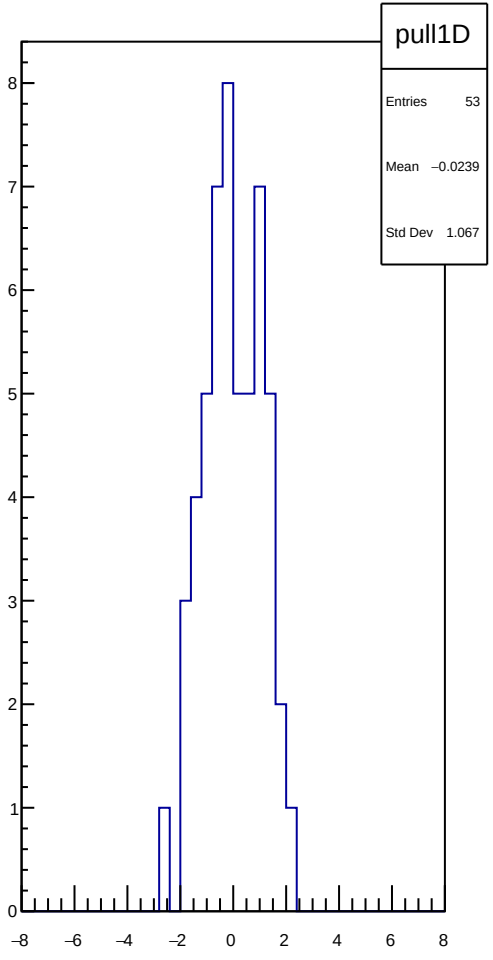

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 2408 / 52
p0 1807 ± 1.808
2100
2000
1900
1800
1700
1600

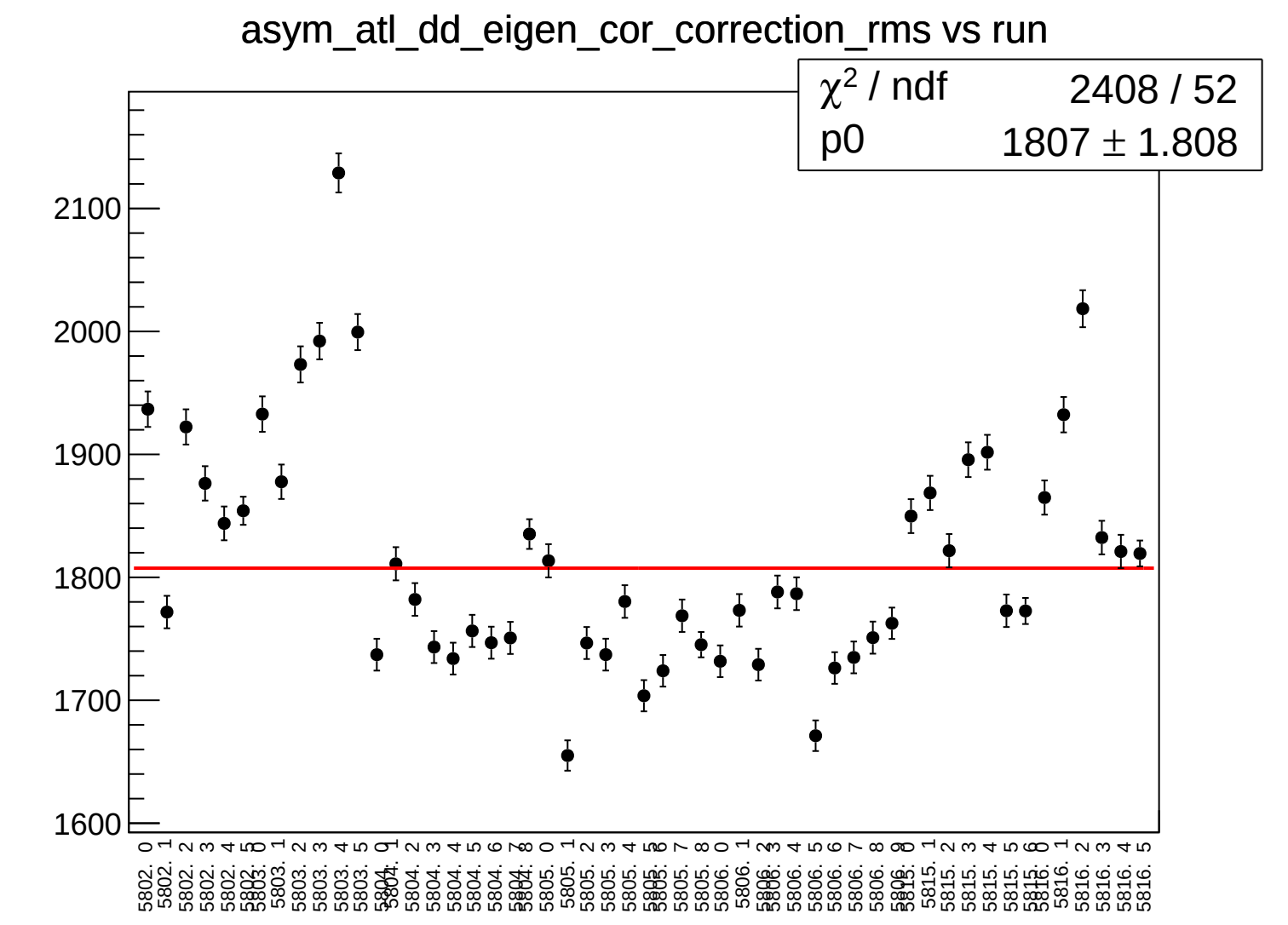

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 47.21 / 52
p0 −1801 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 172
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

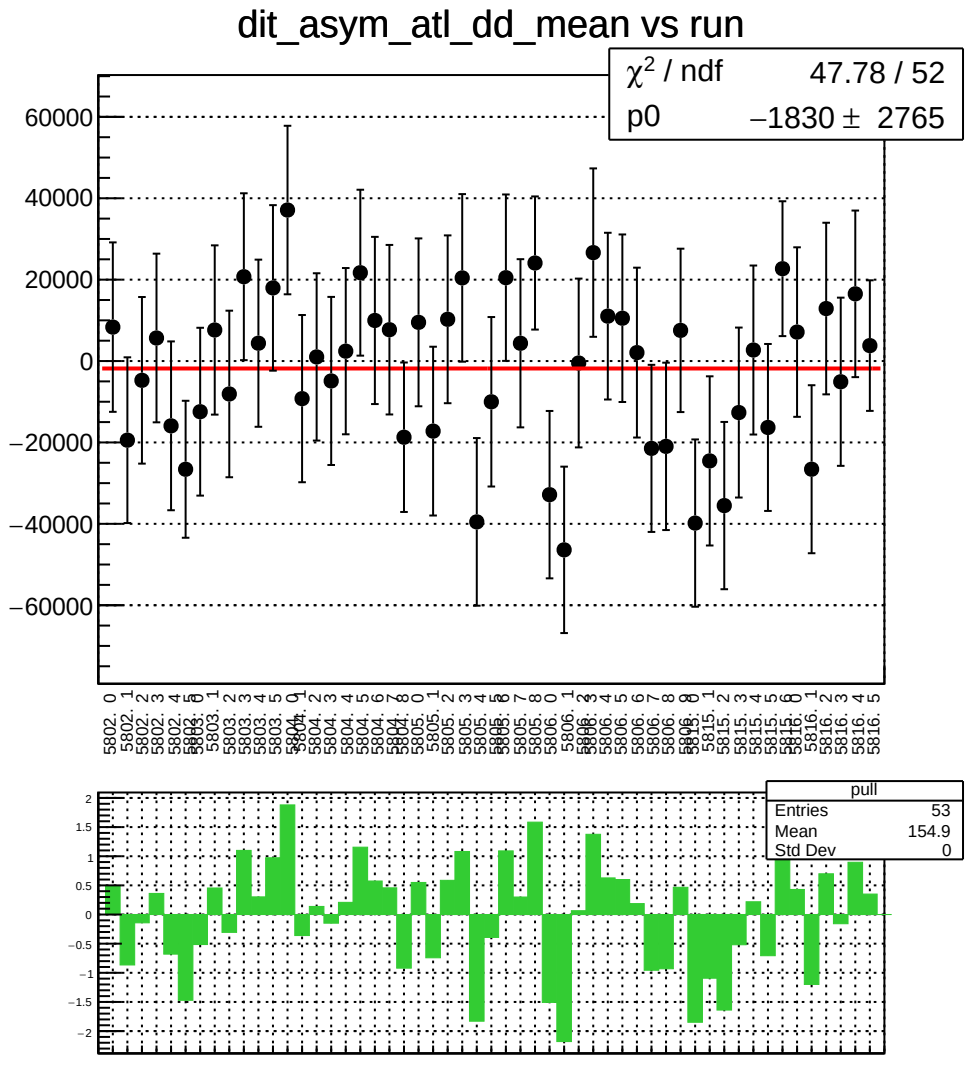

pull1D
Entries 53
Mean −0.007612
Std Dev 0.9437
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

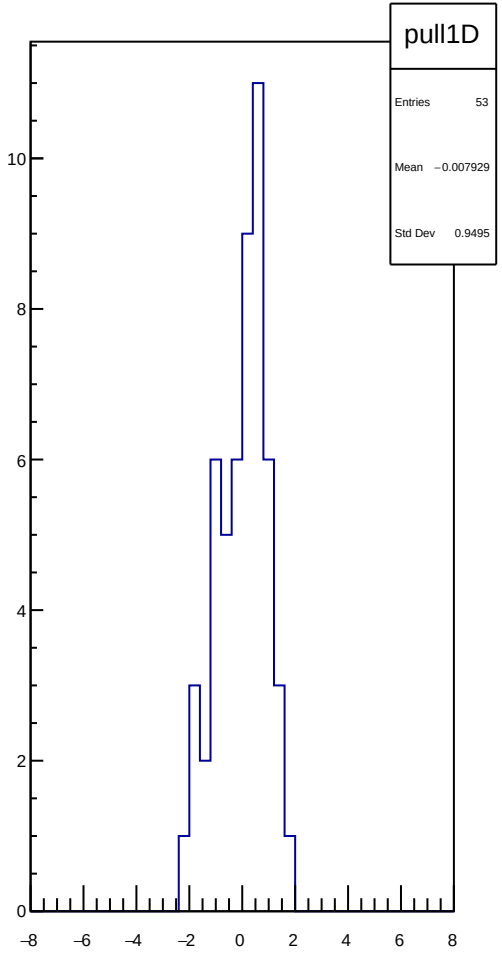

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 50.72 / 52
p0 1954 ± 1.953
2000
1980
1960
1940
1920

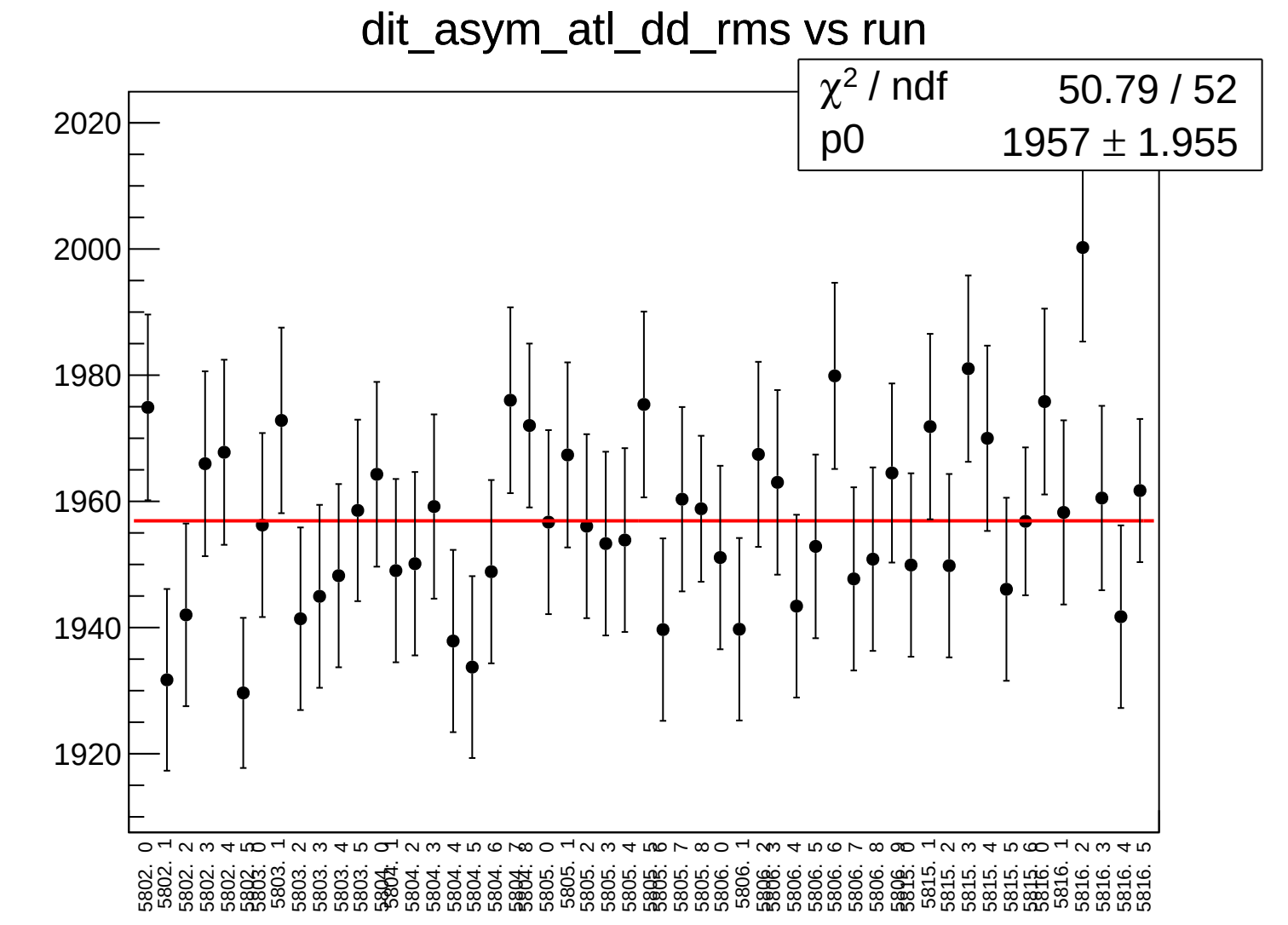

asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.34 / 52
p0 1309 ± 2557
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −44.02
Std Dev 0
2
1
0
−1
−2

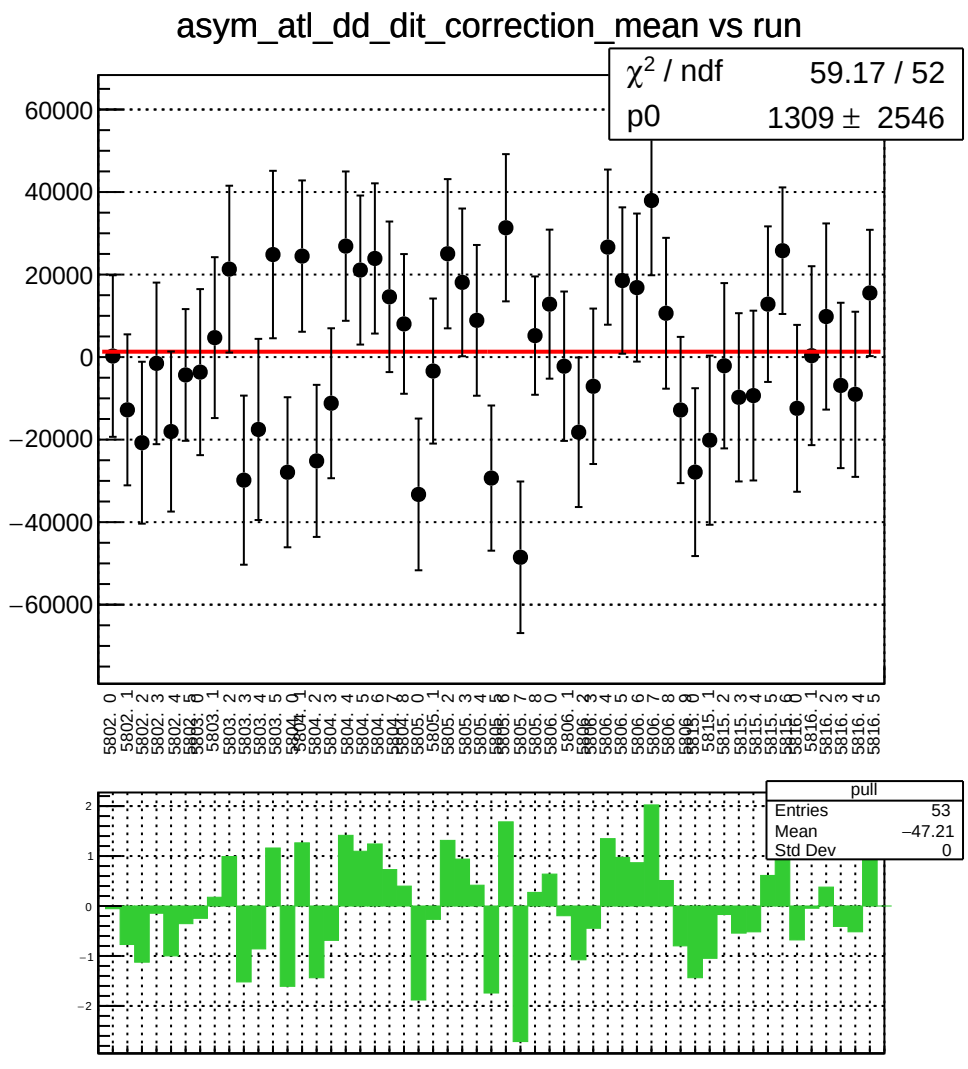

pull1D
Entries 53
Mean −0.0239
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

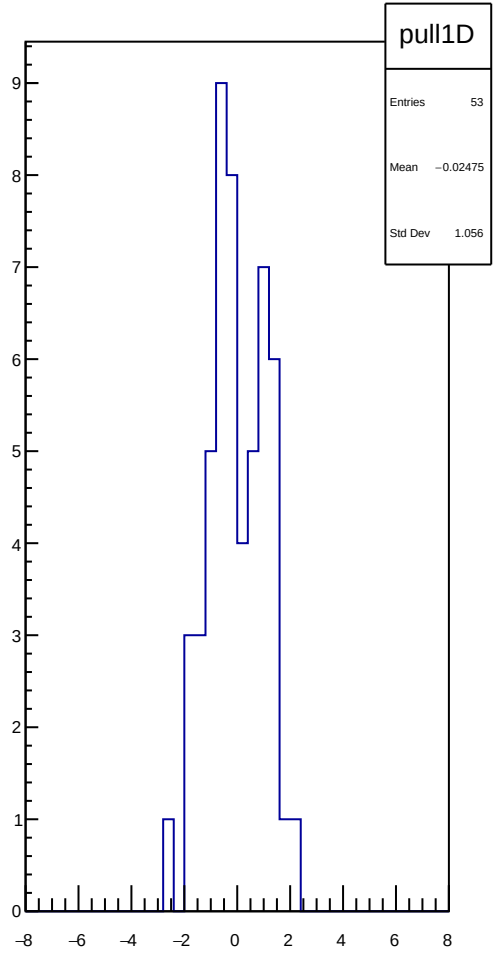

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 2408 / 52
p0 1807 ± 1.808
2100
2000
1900
1800
1700
1600

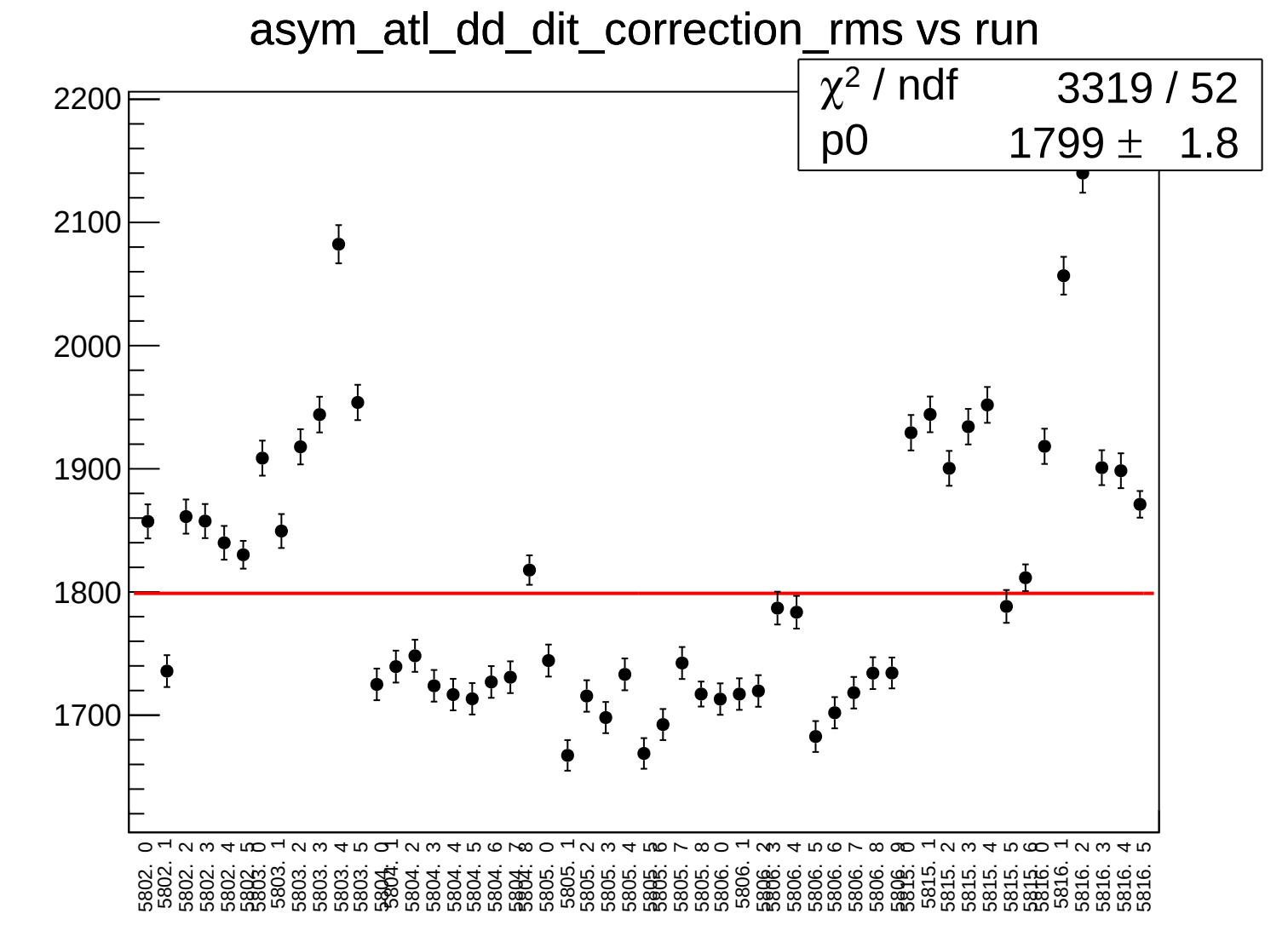

dit_asym_atl_dd_mean vs run
χ² / ndf 47.78 / 52
p0 −1830 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 154.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

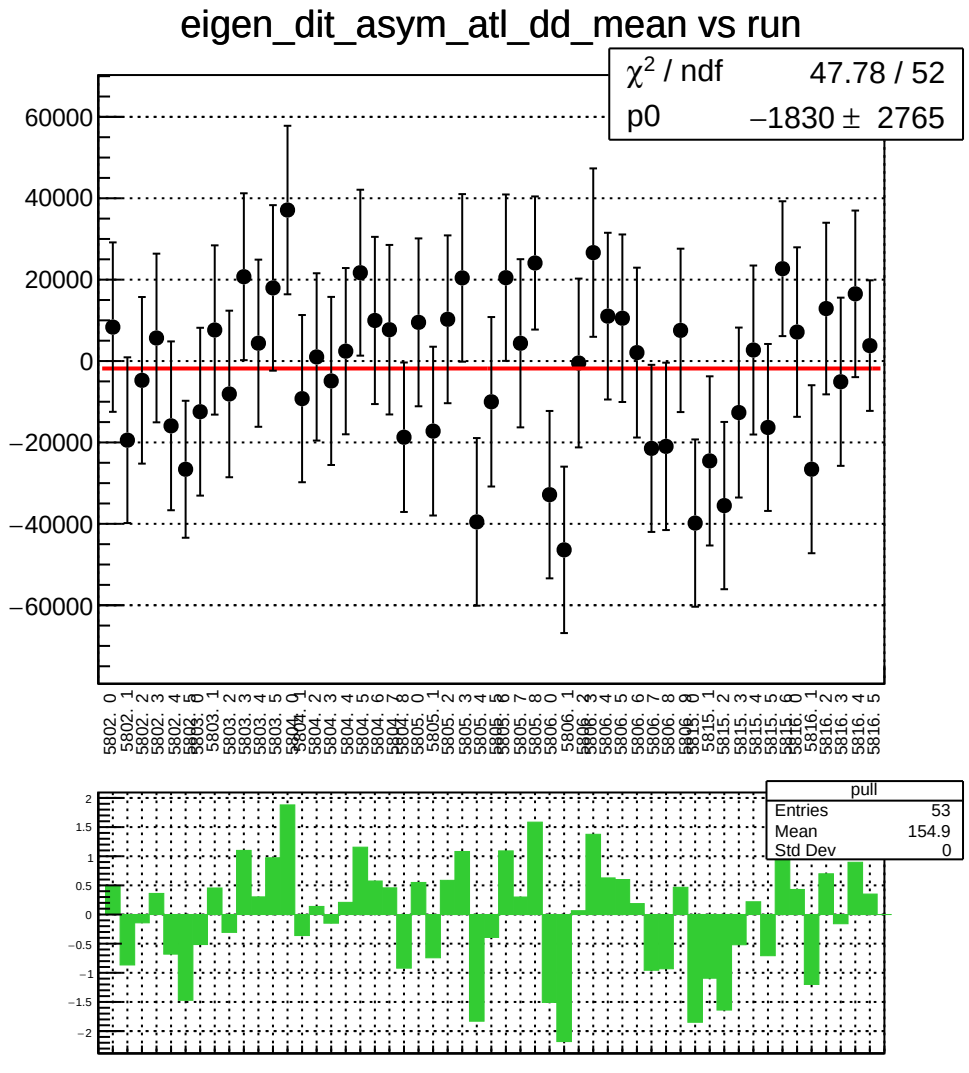

pull1D
Entries 53
Mean −0.007929
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

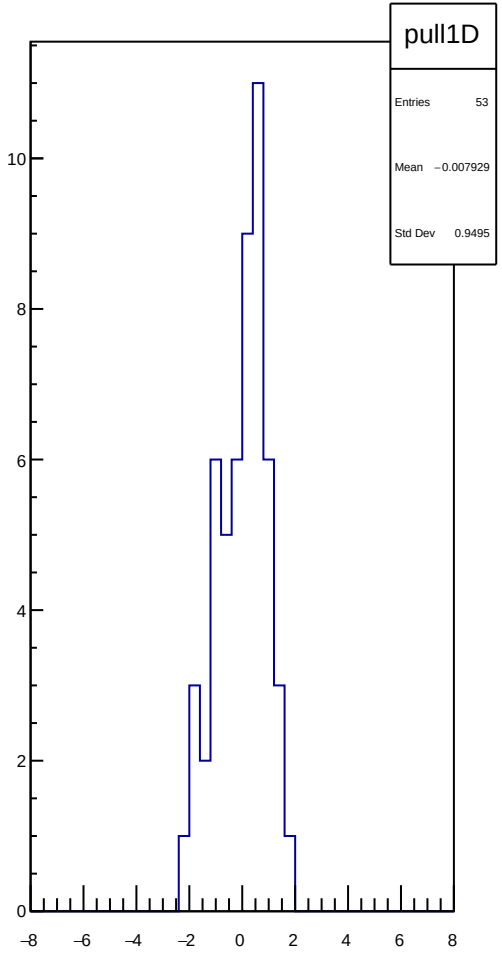

dit_asym_atl_dd_rms vs run
χ² / ndf 50.79 / 52
p0 1957 ± 1.955
2020
2000
1980
1960
1940
1920

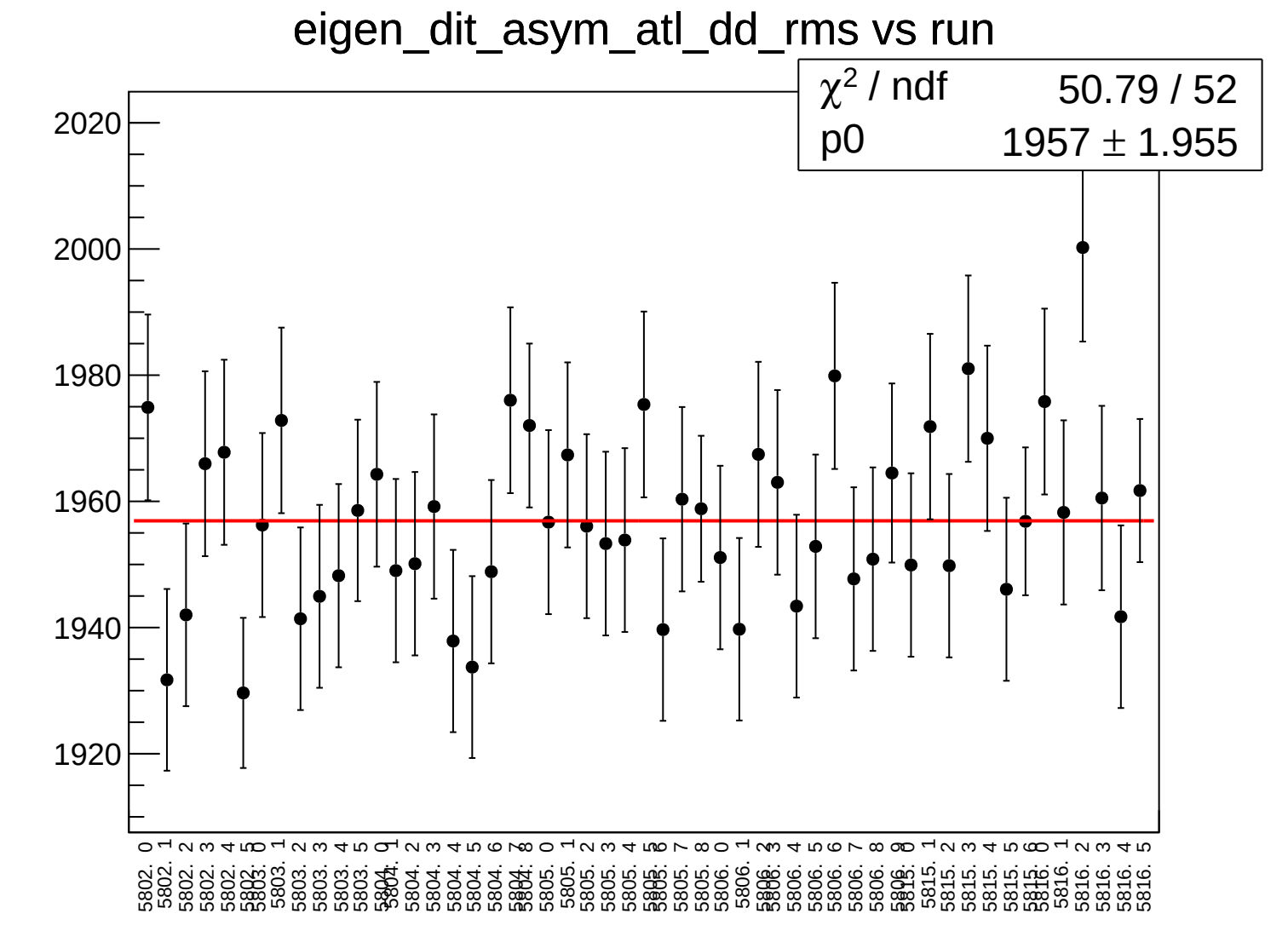

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 59.17 / 52
p0 1309 ± 2546
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −47.21
Std Dev 0
2
1
0
−1
−2

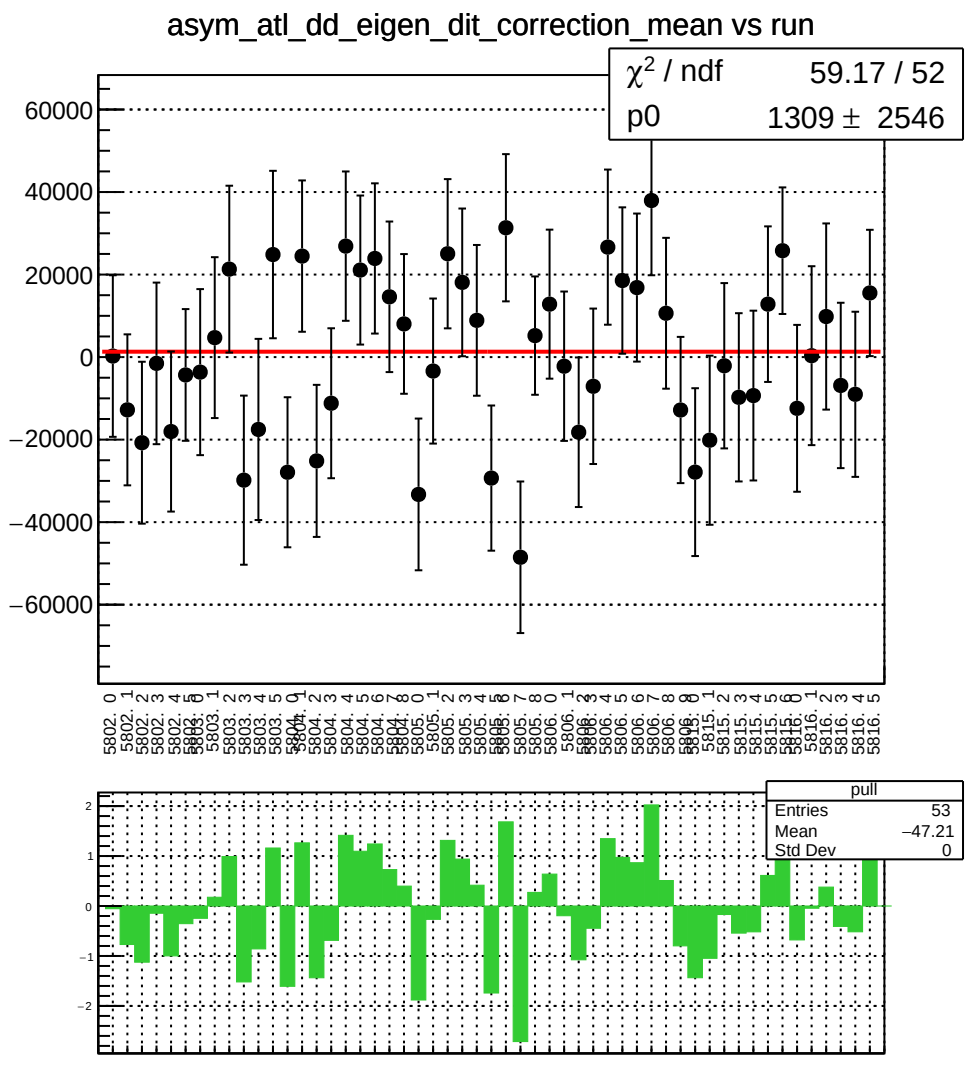

pull1D
Entries 53
Mean −0.02475
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

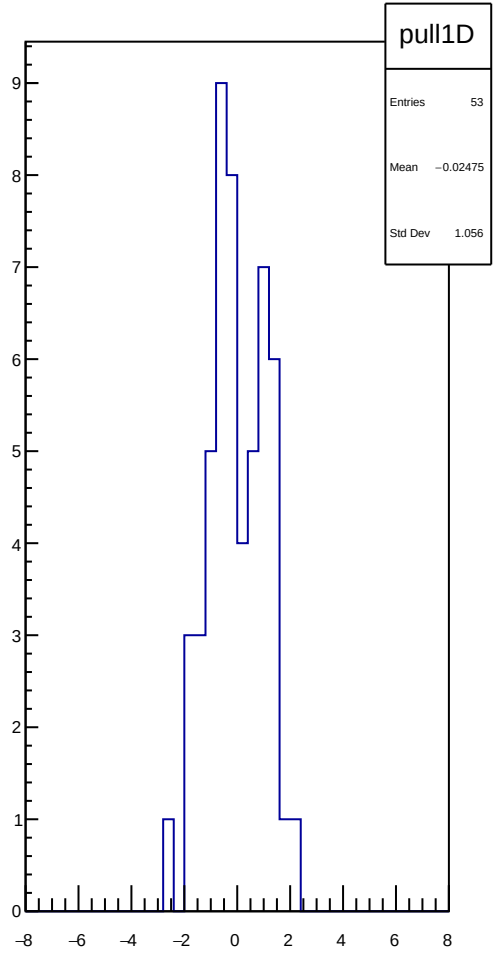

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 3319 / 52
p0 1799 ± 1.8
2200
2100
2000
1900
1800
1700

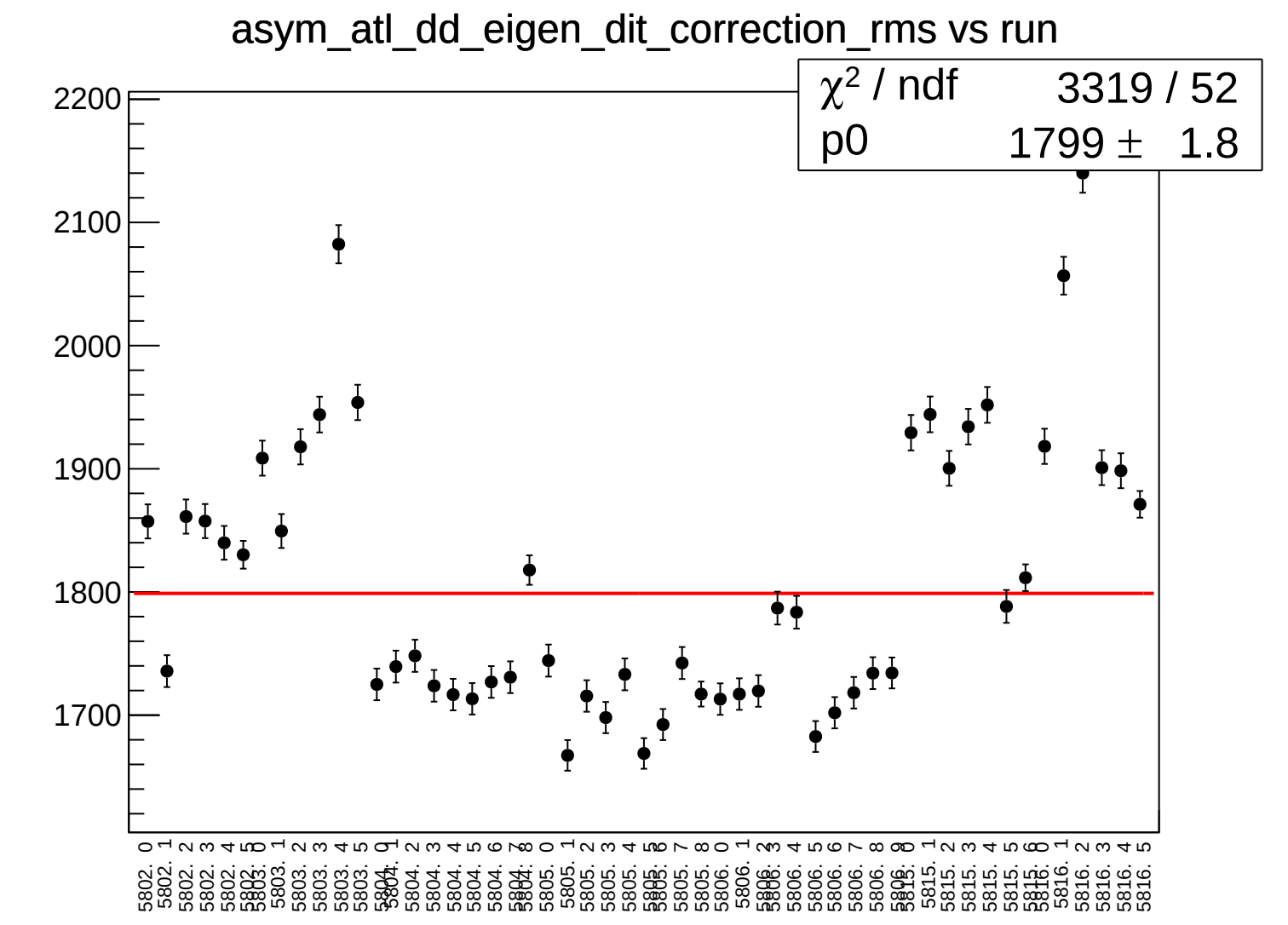

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 47.78 / 52
p0 −1830 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 154.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

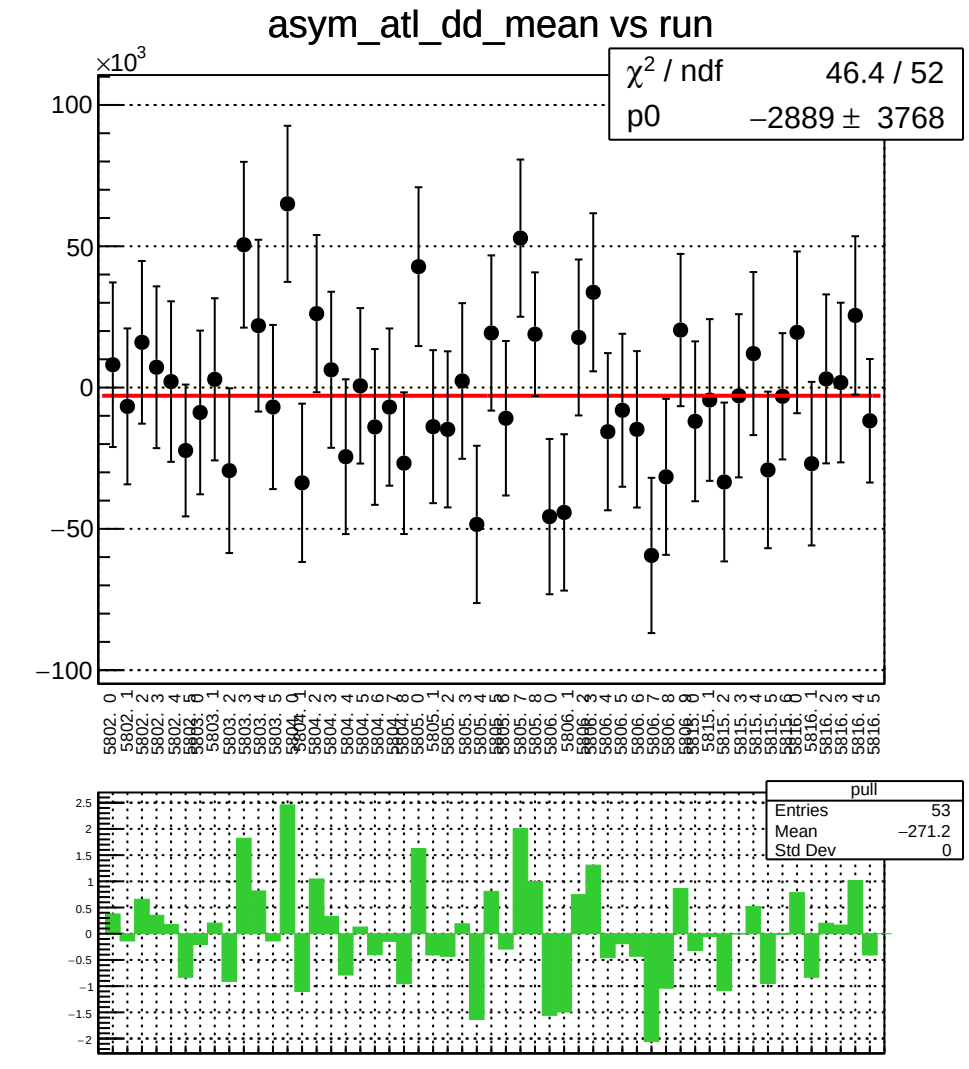

pull1D
Entries 53
Mean −0.007929
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

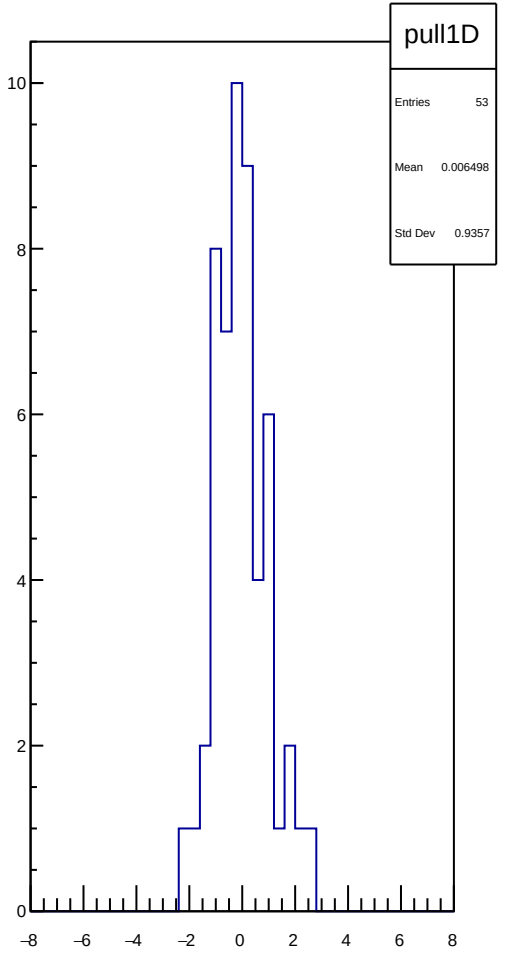

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 50.79 / 52
p0 1957 ± 1.955
2020
2000
1980
1960
1940
1920
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

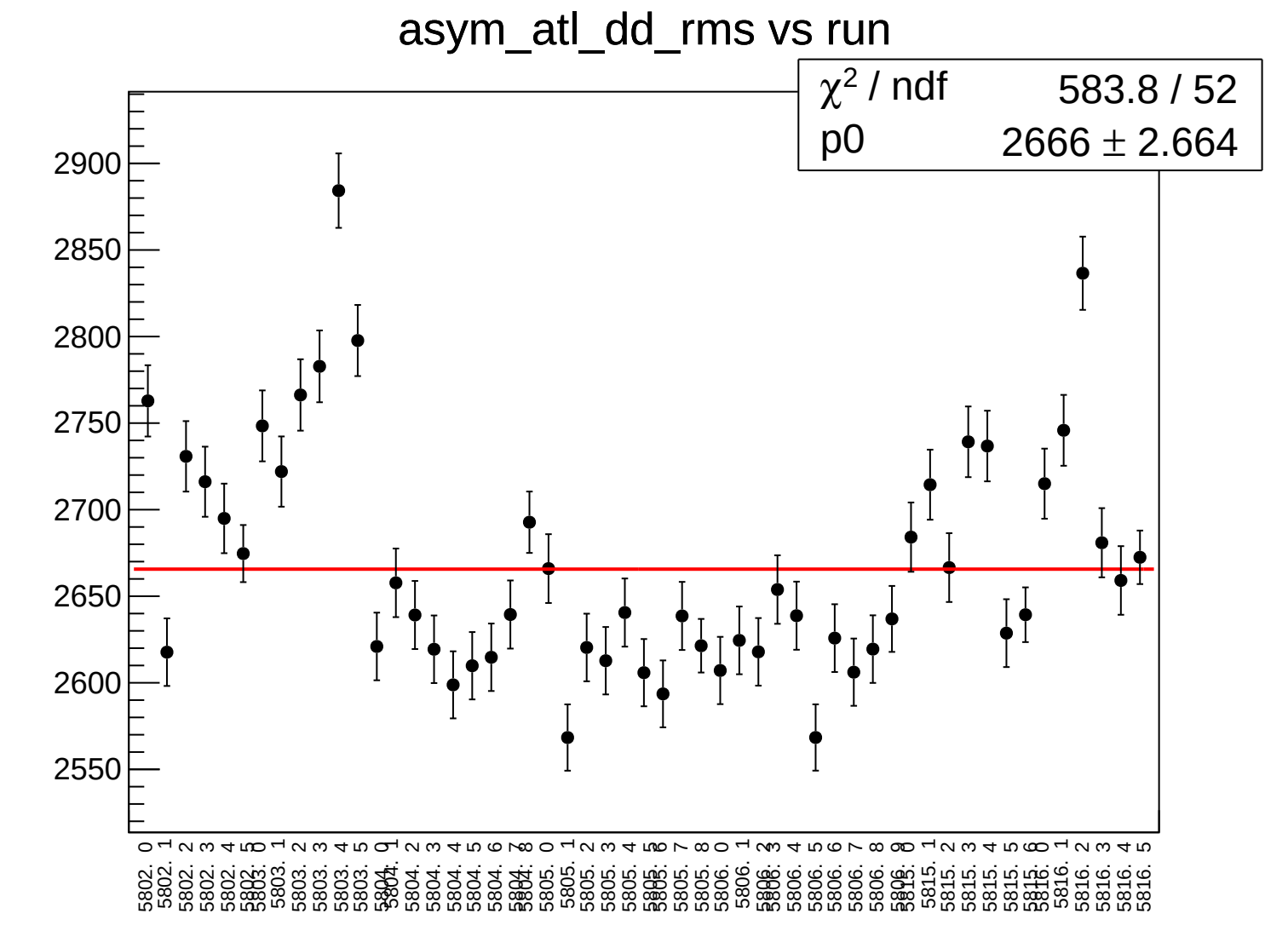

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.17 / 52
p0 1309 ± 2546
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −47.21
Std Dev 0
2
1
0
−1
−2

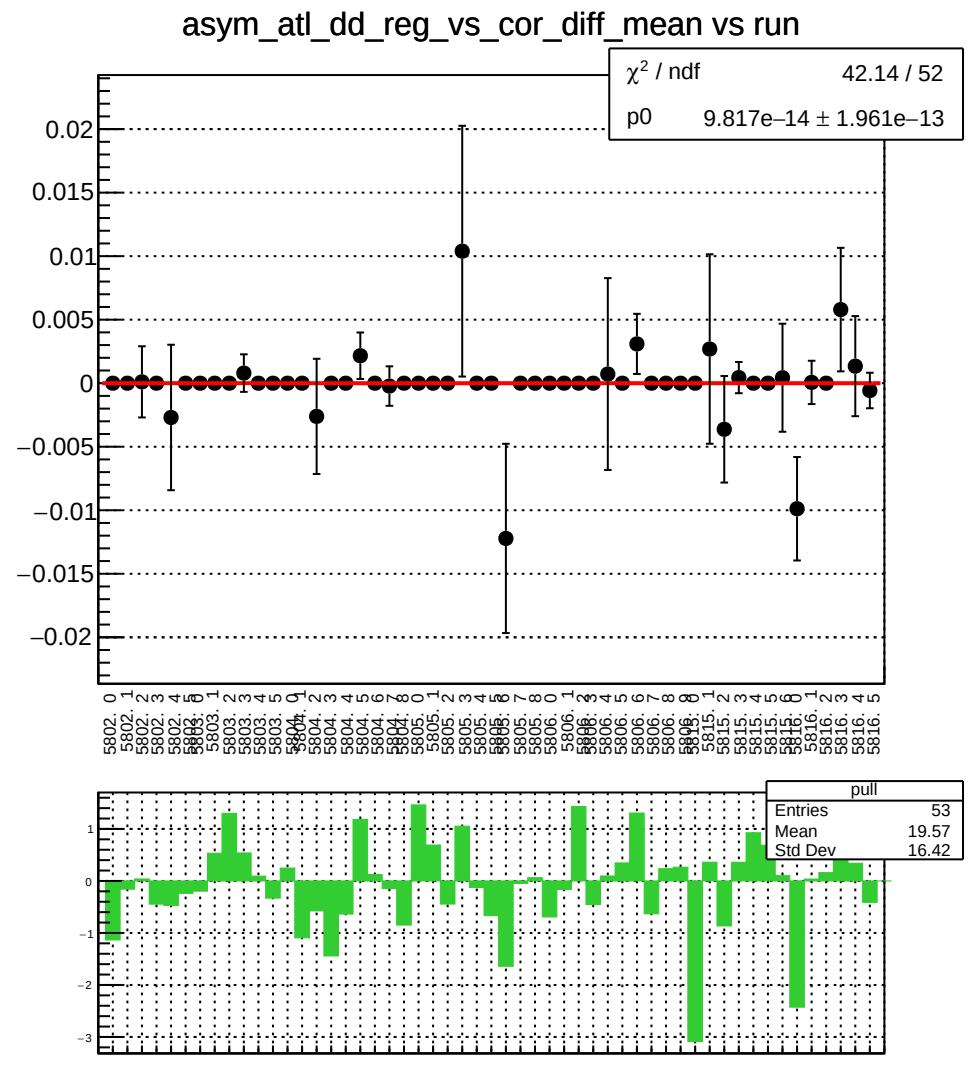

pull1D
Entries 53
Mean −0.02475
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

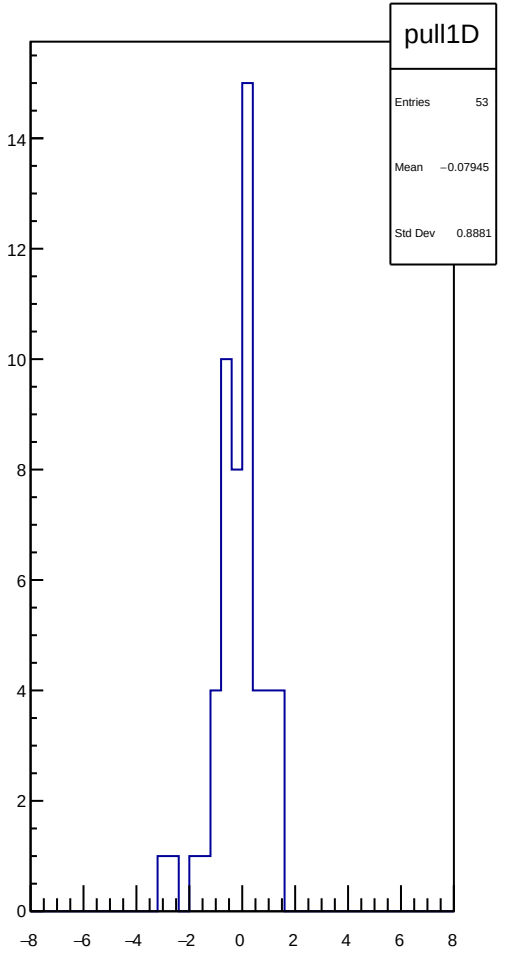

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 3319 / 52
p0 1799 ± 1.8
2200
2100
2000
1900
1800
1700

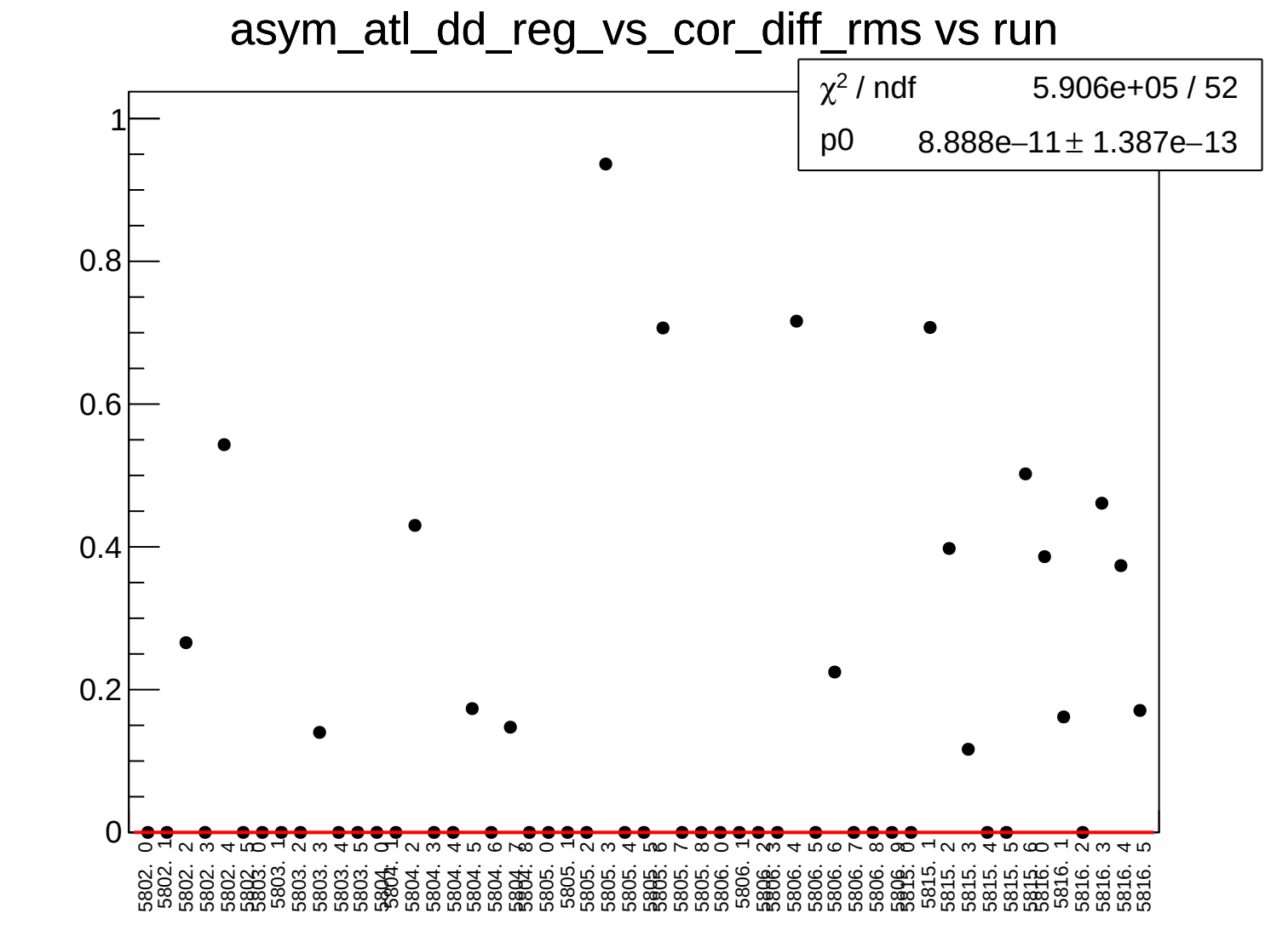

asym_atl_dd_mean vs run
×10^3
χ² / ndf 46.4 / 52
p0 −2889 ± 3768
100
50
0
−50
−100
pull
Entries 53
Mean −271.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

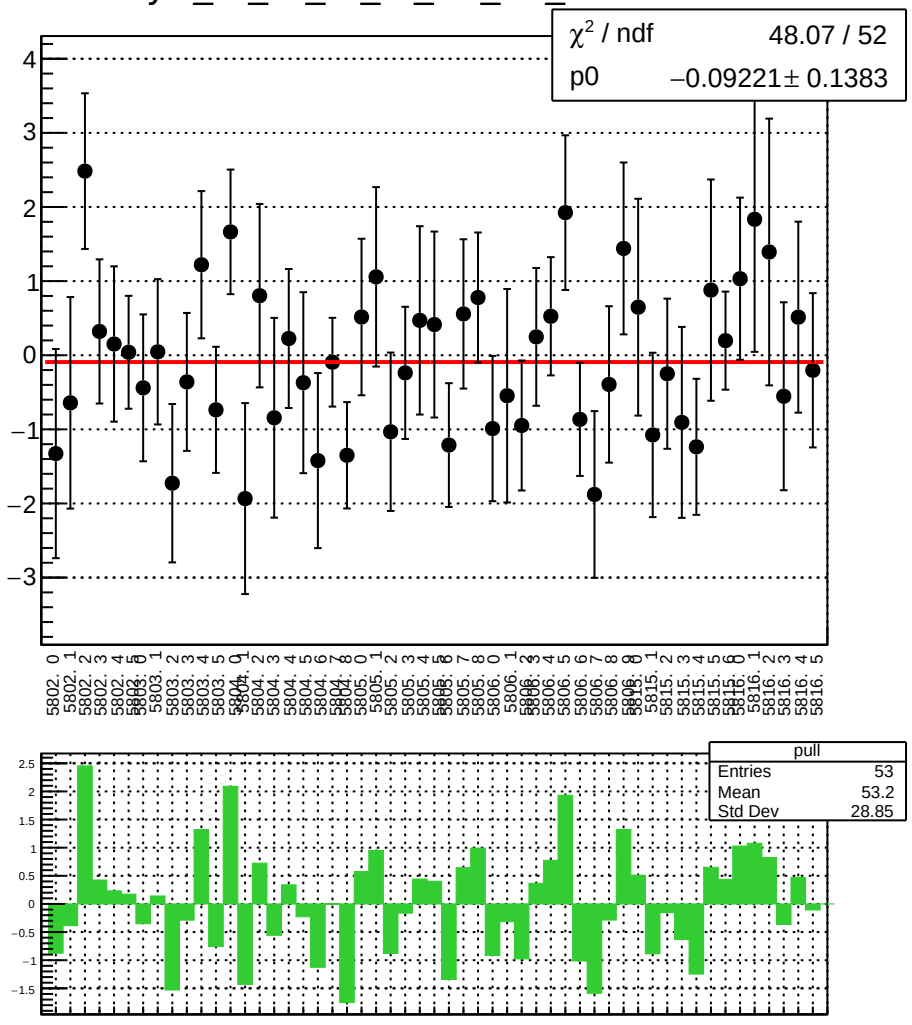

pull1D
Entries 53
Mean 0.006498
Std Dev 0.9357
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

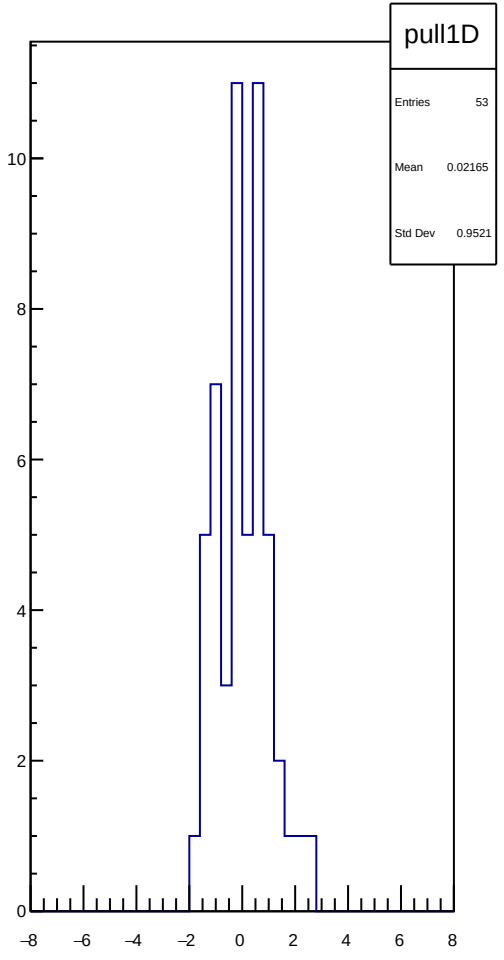

asym_atl_dd_rms vs run
χ^2 / ndf 583.8 / 52
p0 2666 ± 2.664
2900
2850
2800
2750
2700
2650
2600
2550

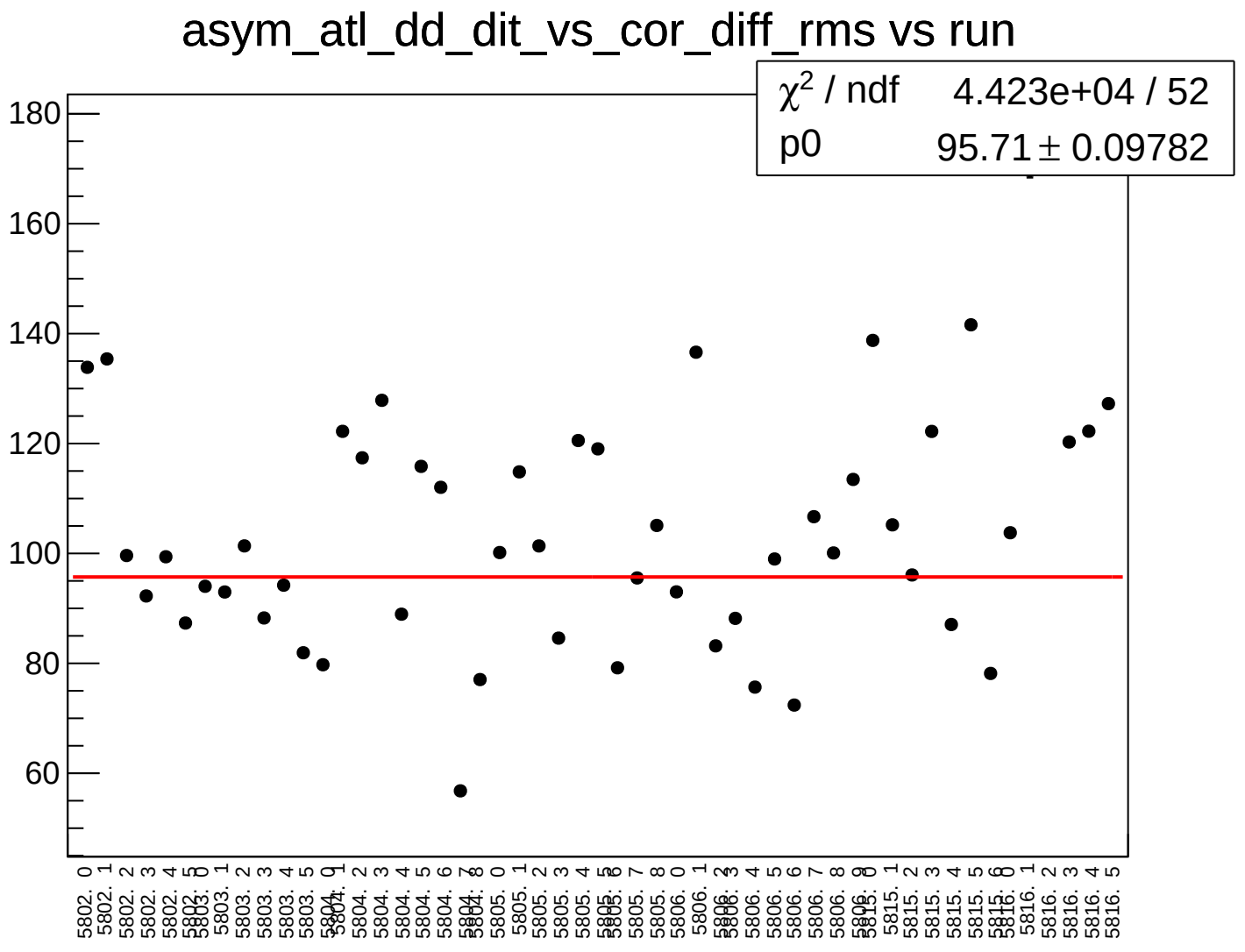

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.14 / 52
p0 9.817e−14 ± 1.961e−13
pull
Entries 53
Mean 19.57
Std Dev 16.42

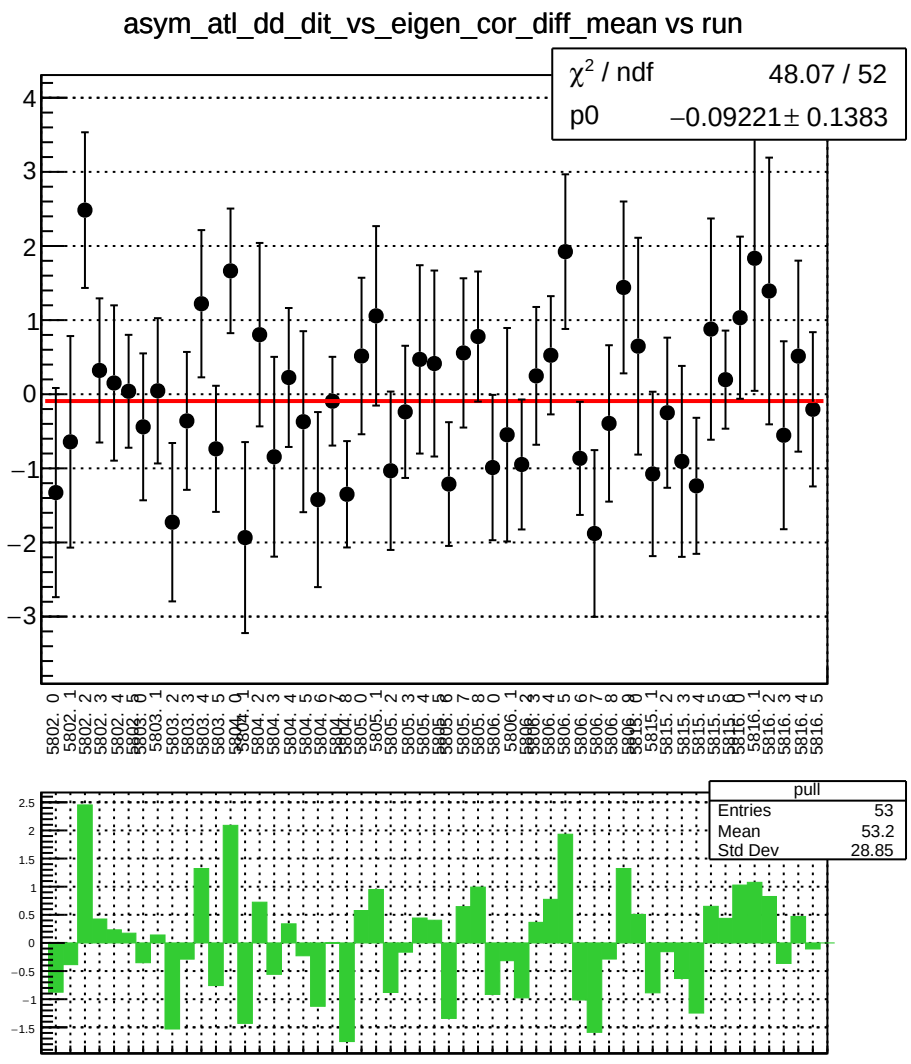

pull1D
Entries 53
Mean −0.07945
Std Dev 0.8881

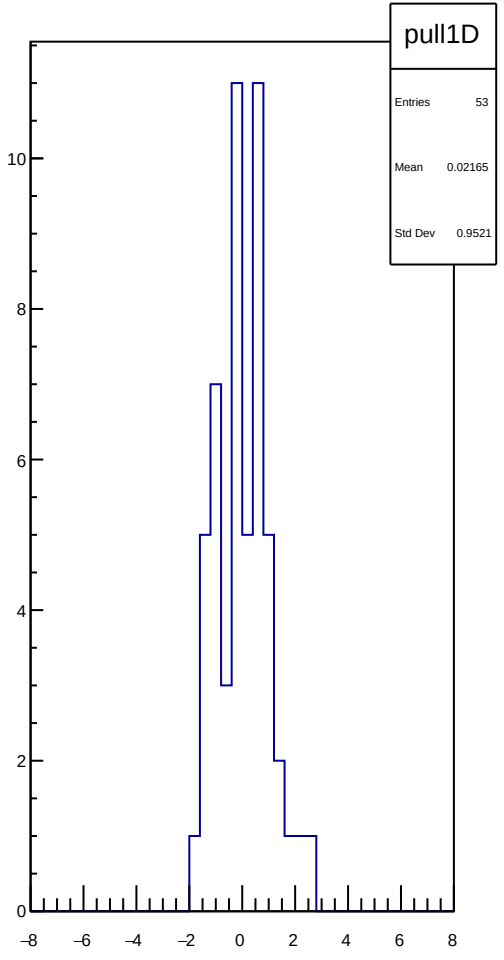

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.906e+05 / 52
p0 8.888e−11 ± 1.387e−13
1
0.8
0.6
0.4
0.2
0

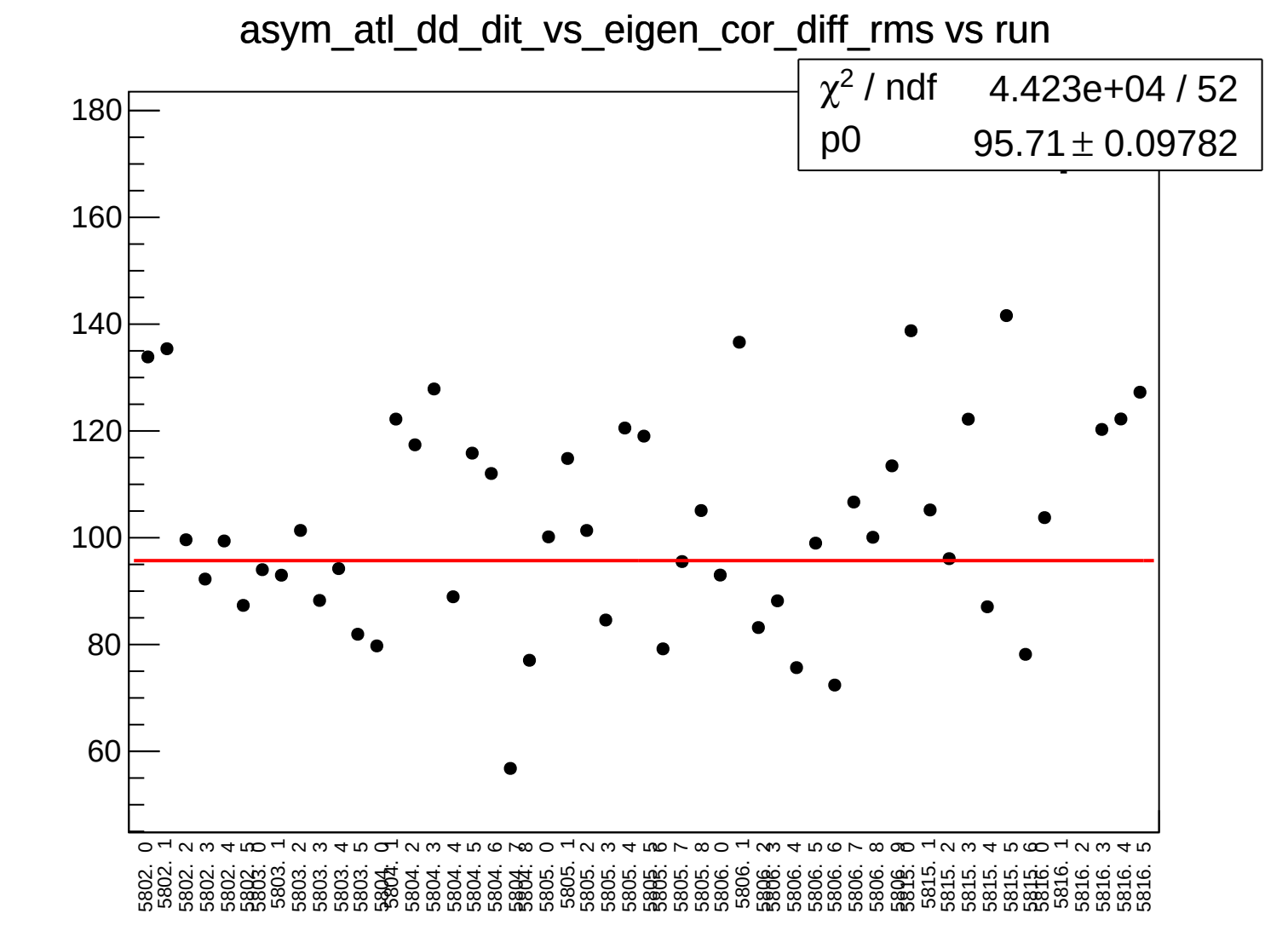

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.07 / 52
p0 −0.09221 ± 0.1383
pull
Entries 53
Mean 53.2
Std Dev 28.85

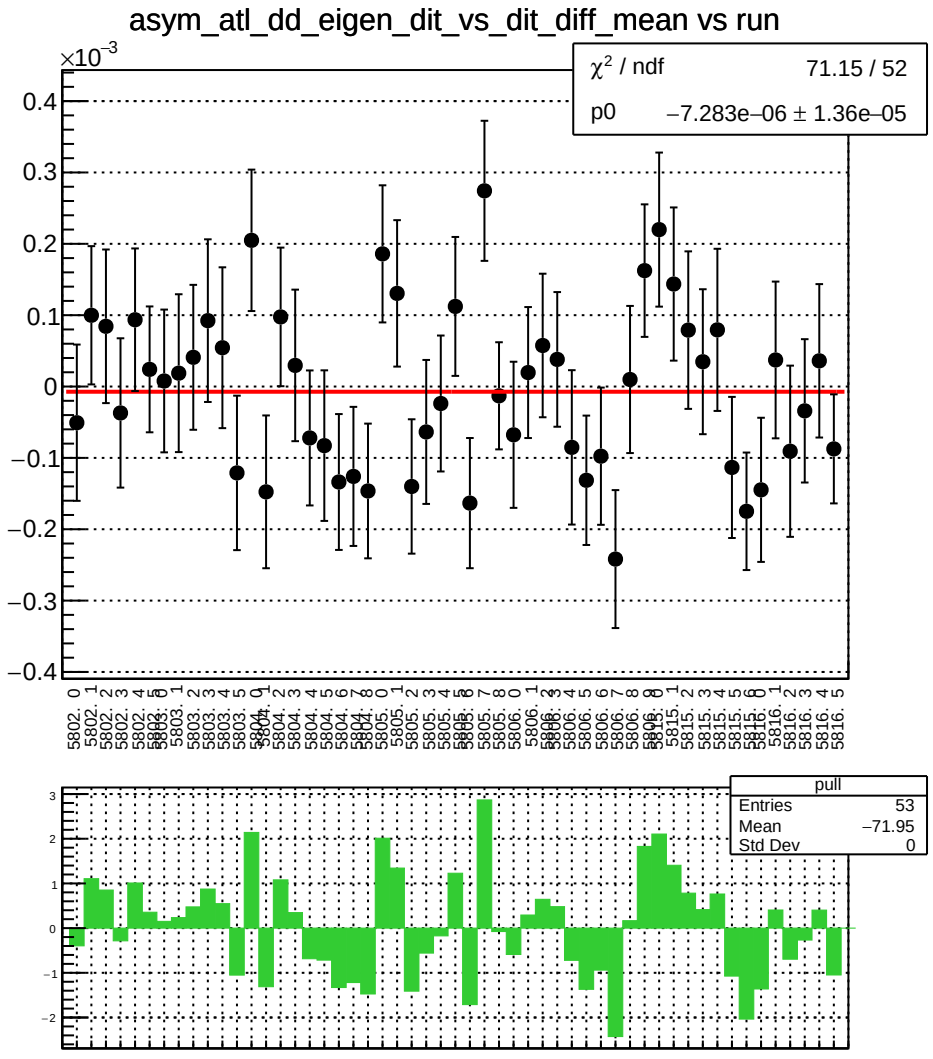

pull1D
Entries 53
Mean 0.02165
Std Dev 0.9521

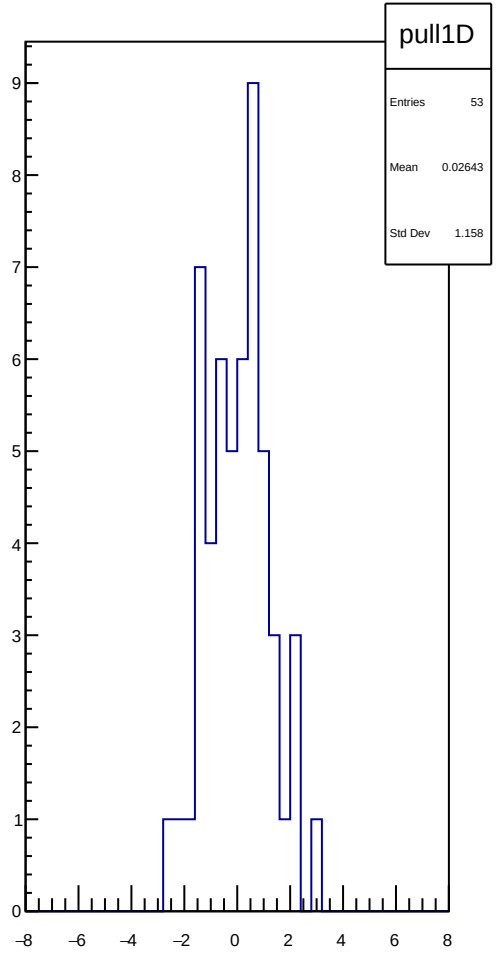

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.423e+04 / 52
p0 95.71 ± 0.09782
180
160
140
120
100
80
60

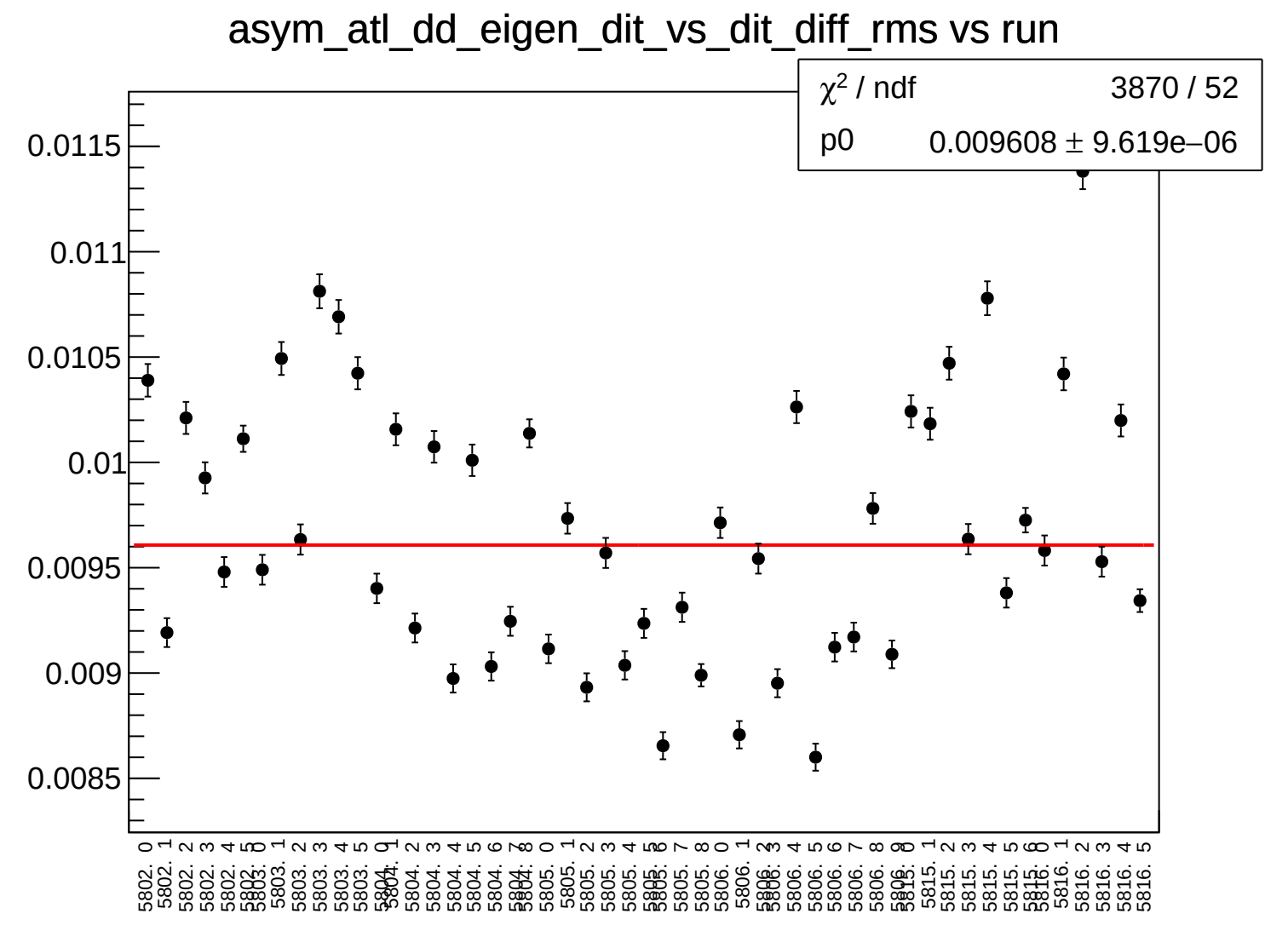

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.07 / 52
p0 −0.09221 ± 0.1383
pull
Entries 53
Mean 53.2
Std Dev 28.85


pull1D
Entries 53
Mean 0.02165
Std Dev 0.9521

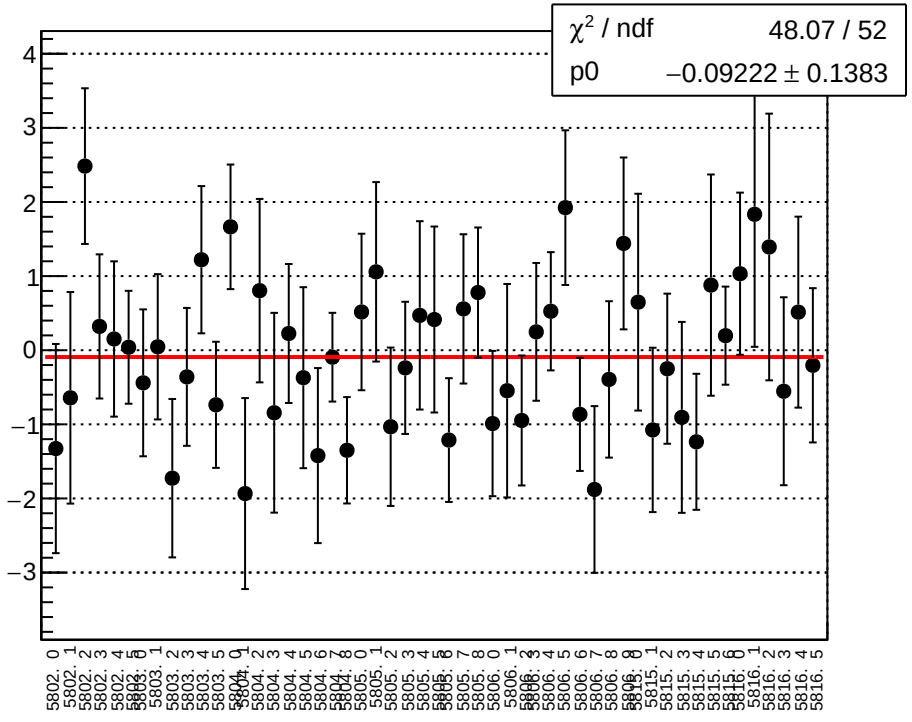

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.423e+04 / 52
p0 95.71 ± 0.09782
180
160
140
120
100
80
60

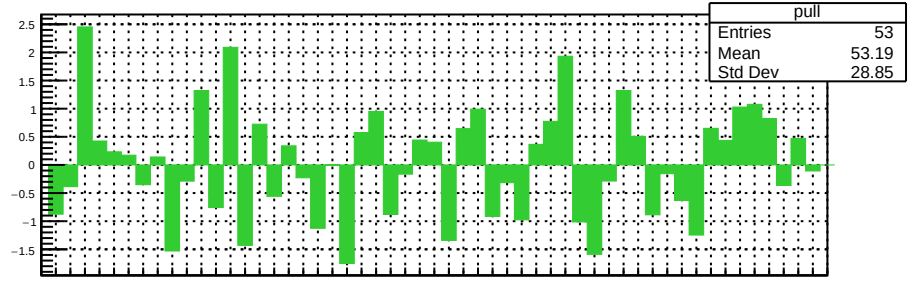

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.15 / 52
p0 −7.283e−06 ± 1.36e−05
pull
Entries 53
Mean −71.95
Std Dev 0

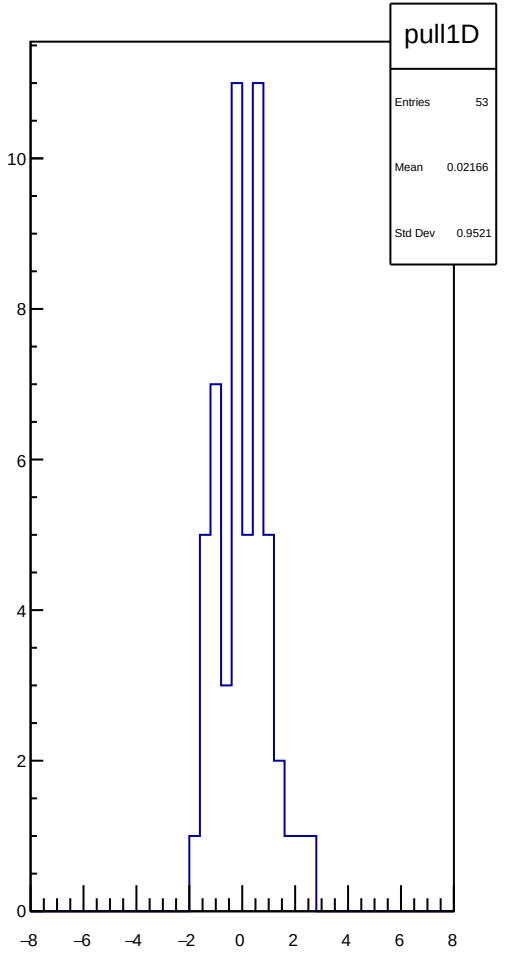

pull1D
Entries 53
Mean 0.02643
Std Dev 1.158

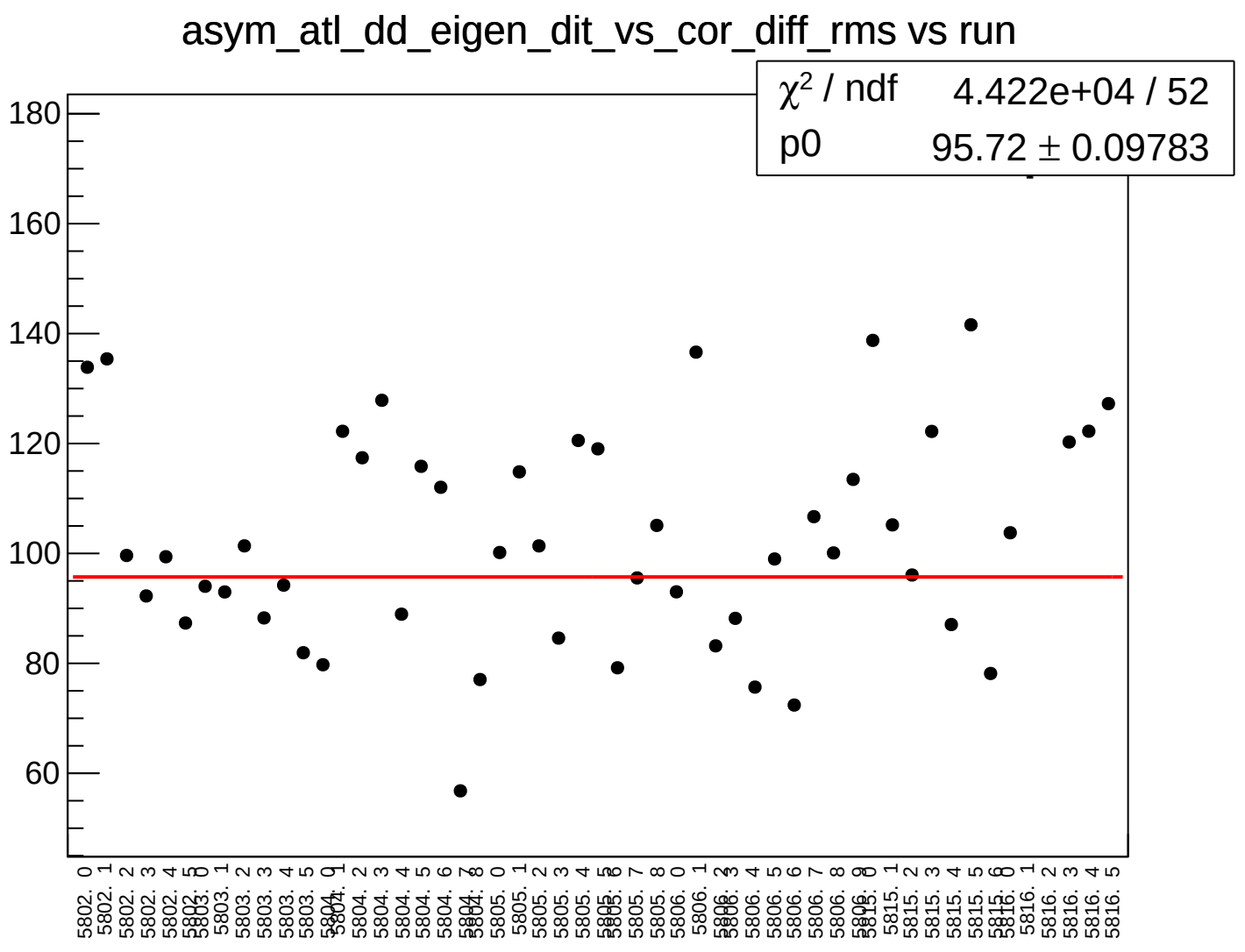

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3870 / 52
p0 0.009608 ± 9.619e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run

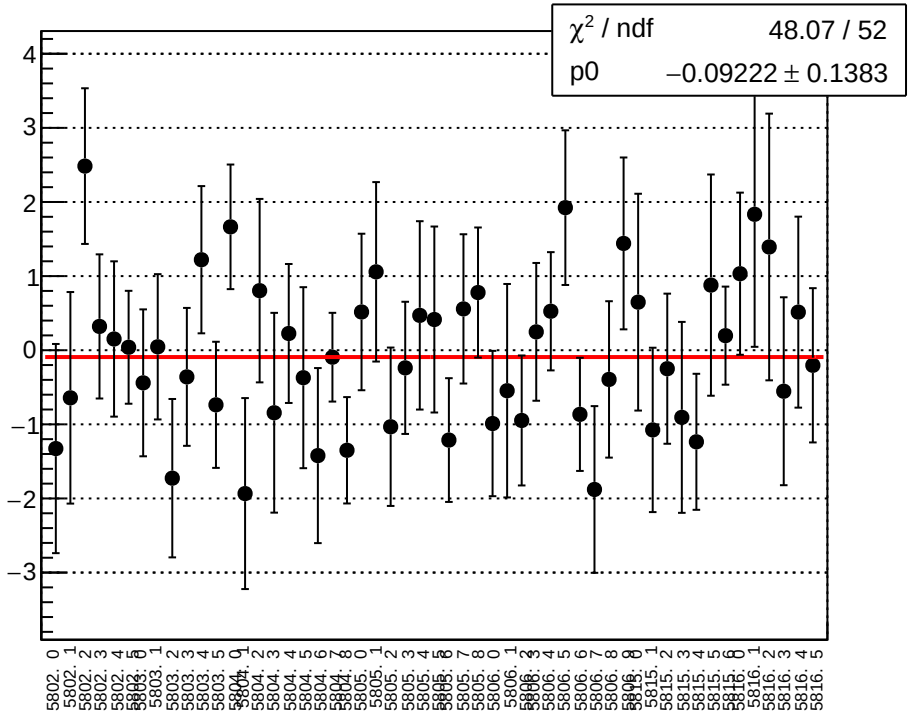


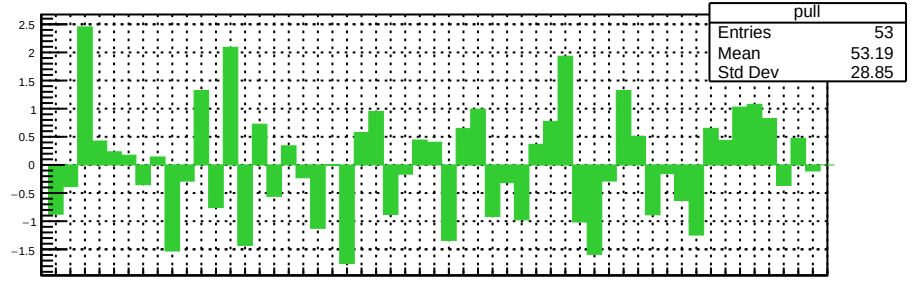


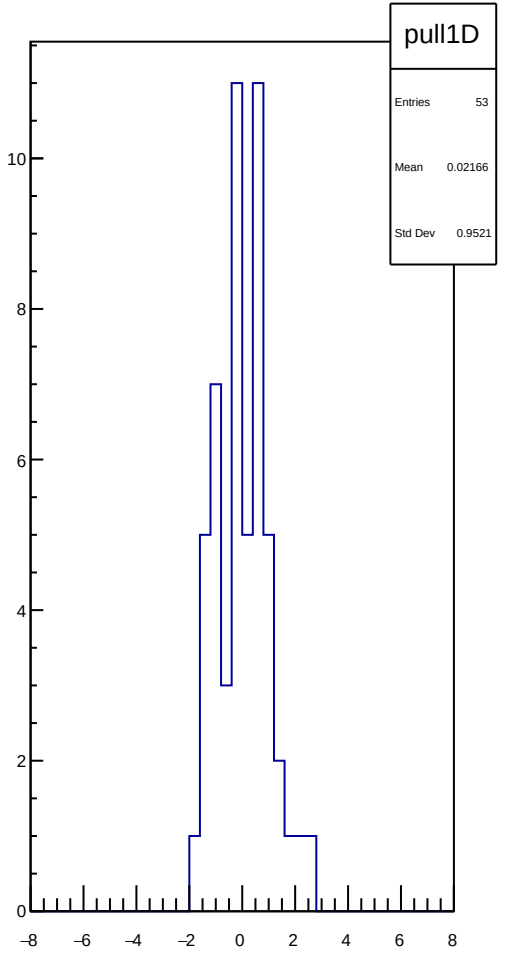


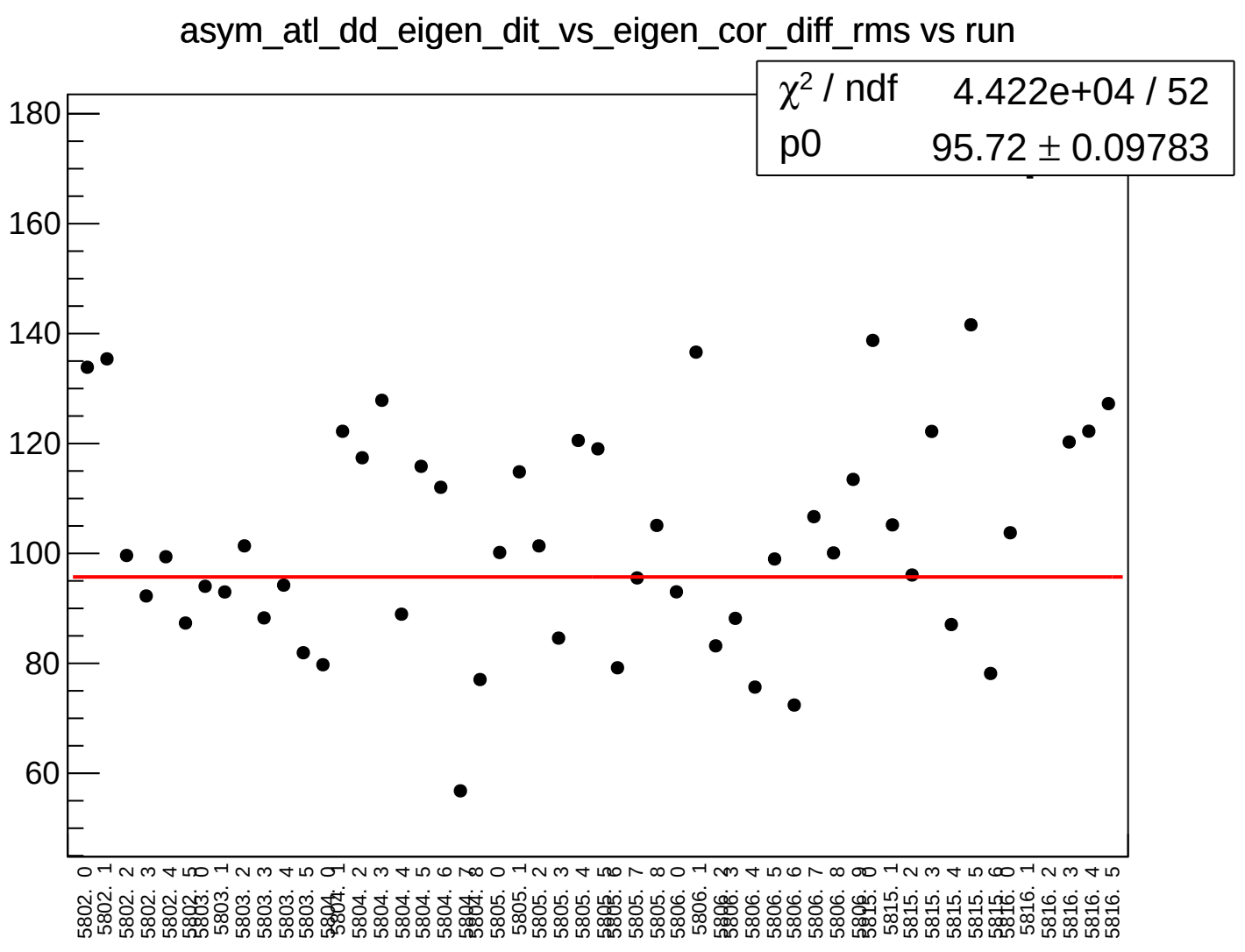

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.422e+04 / 52
p0 95.72 ± 0.09783
180
160
140
120
100
80
60

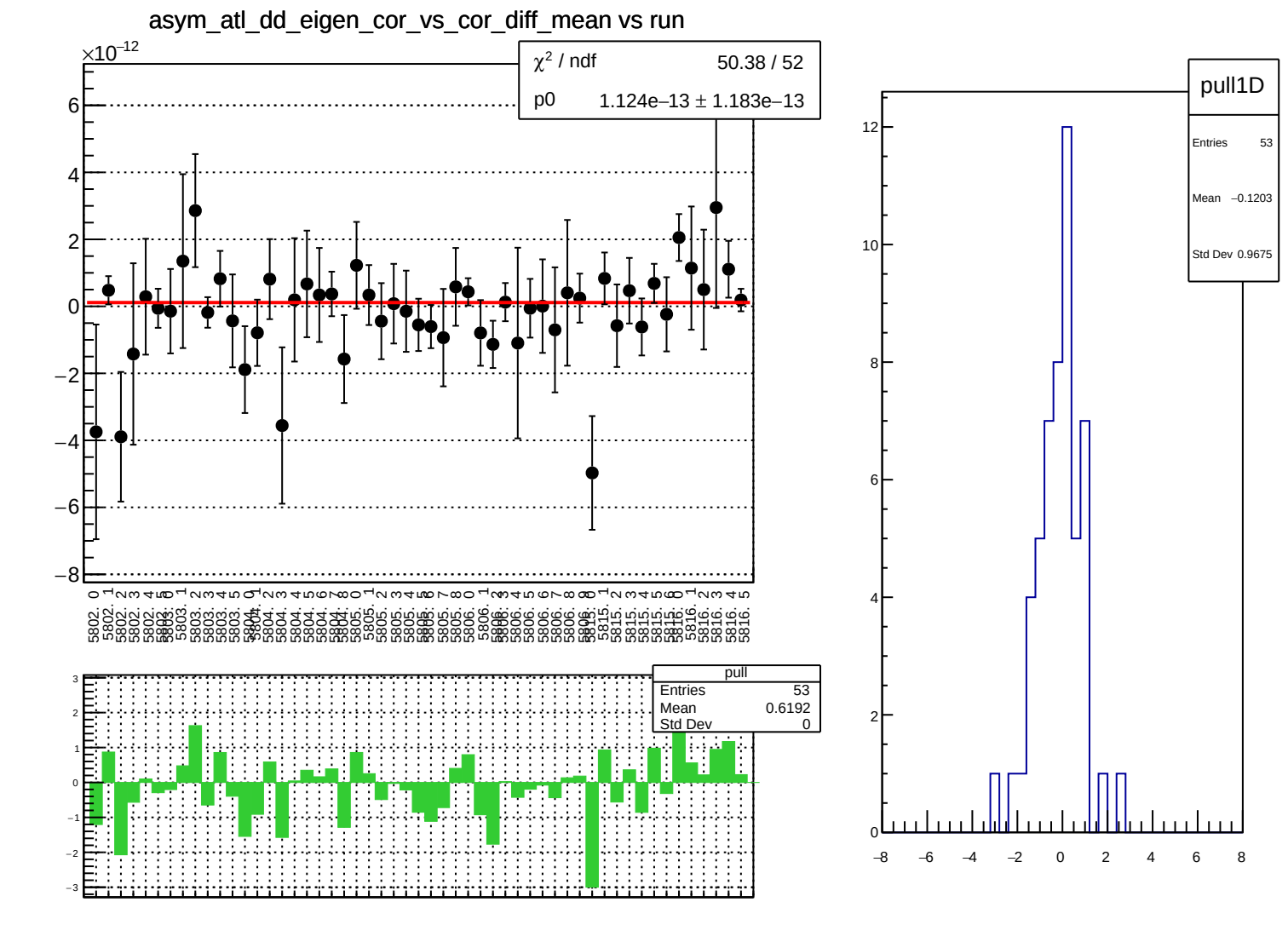
asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

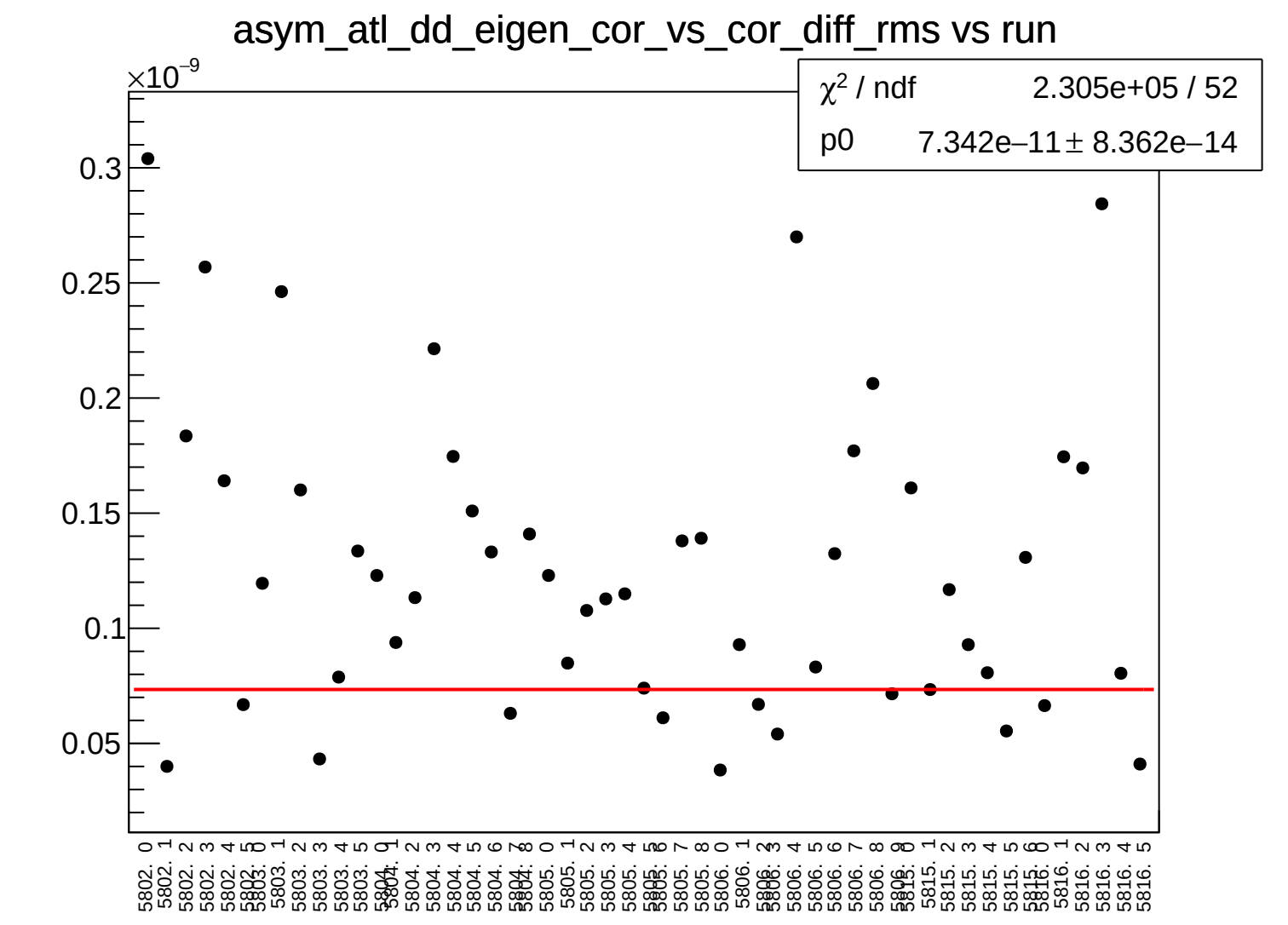


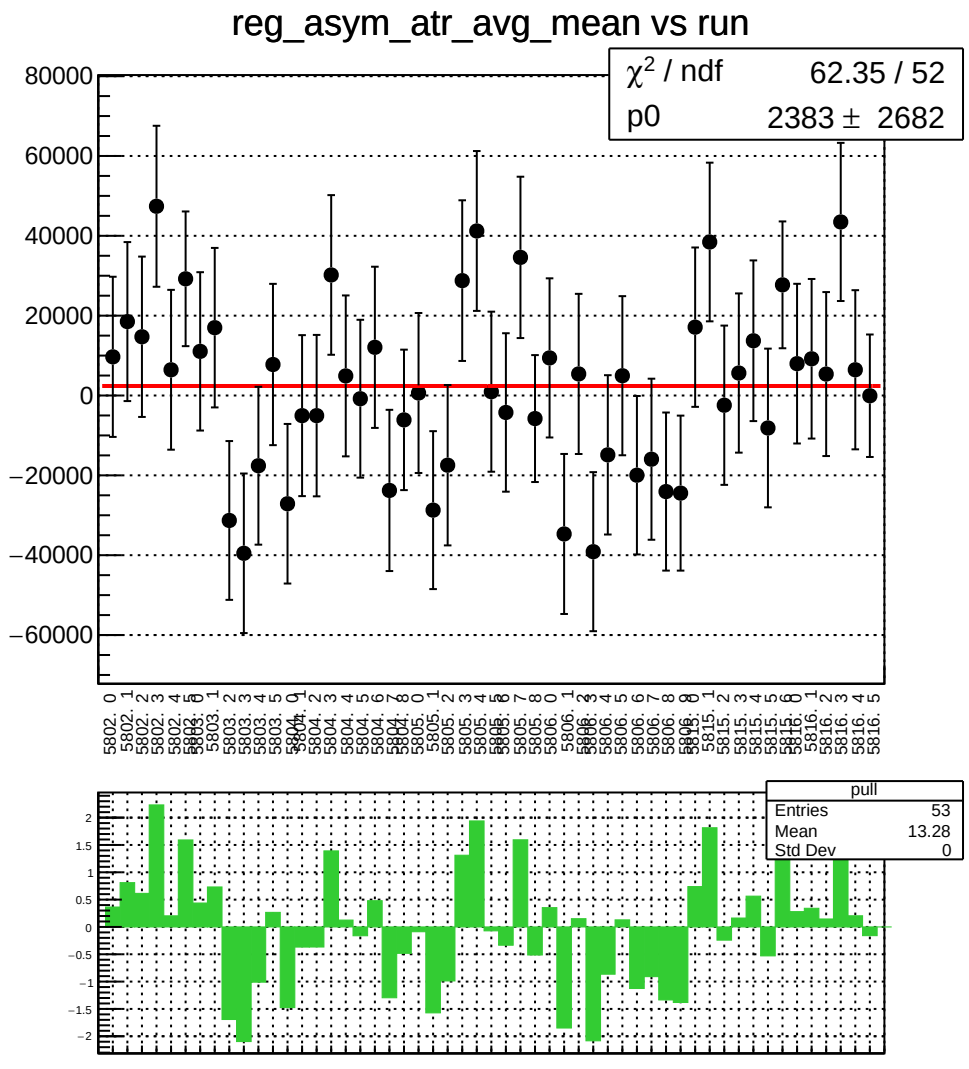


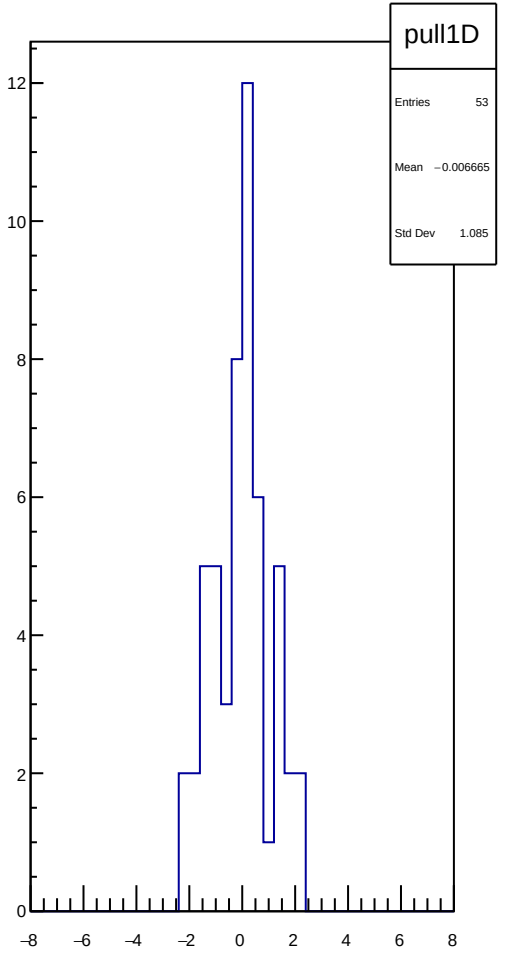


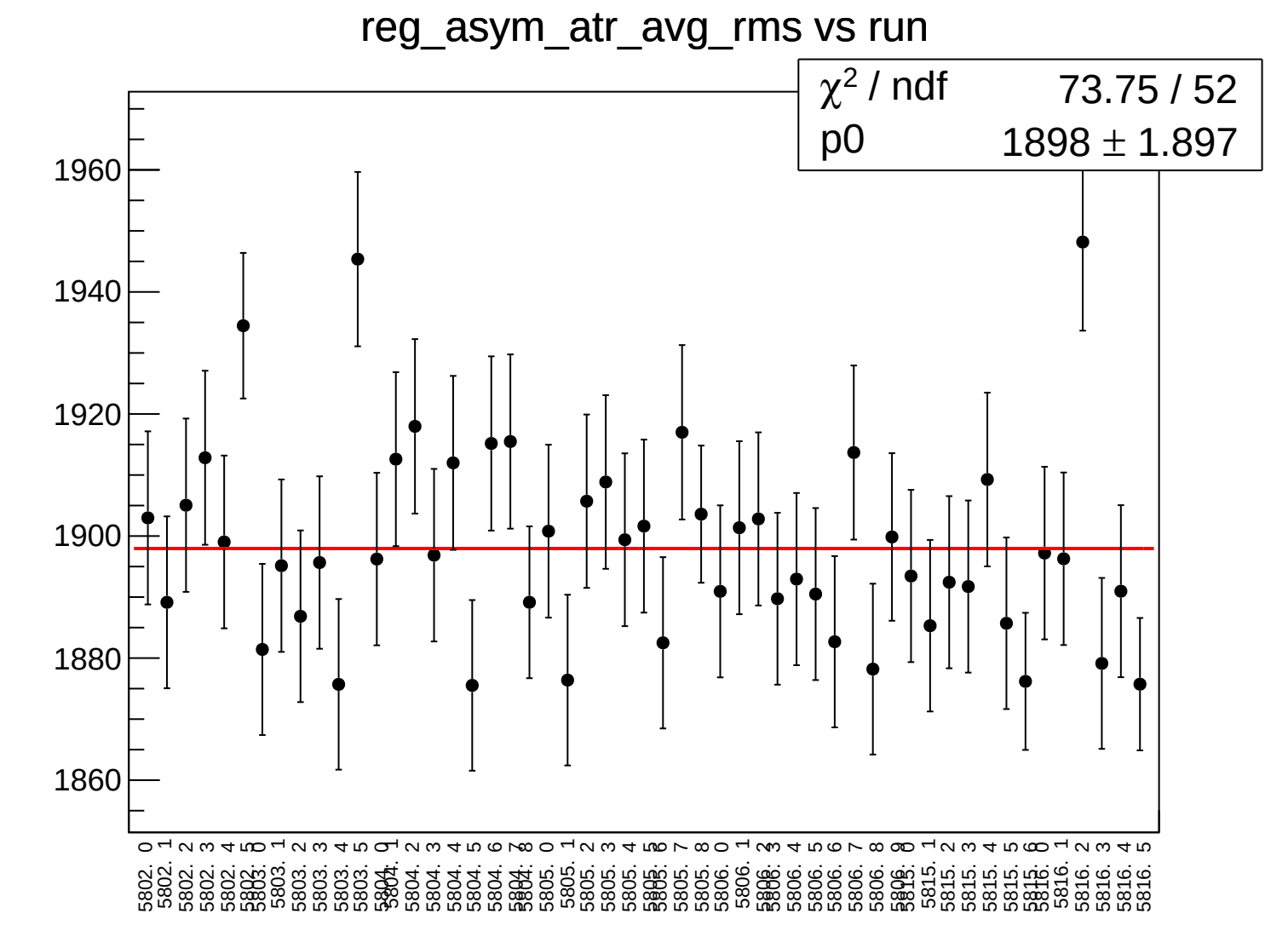

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.422e+04 / 52
p0 95.72 ± 0.09783
180
160
140
120
100
80
60

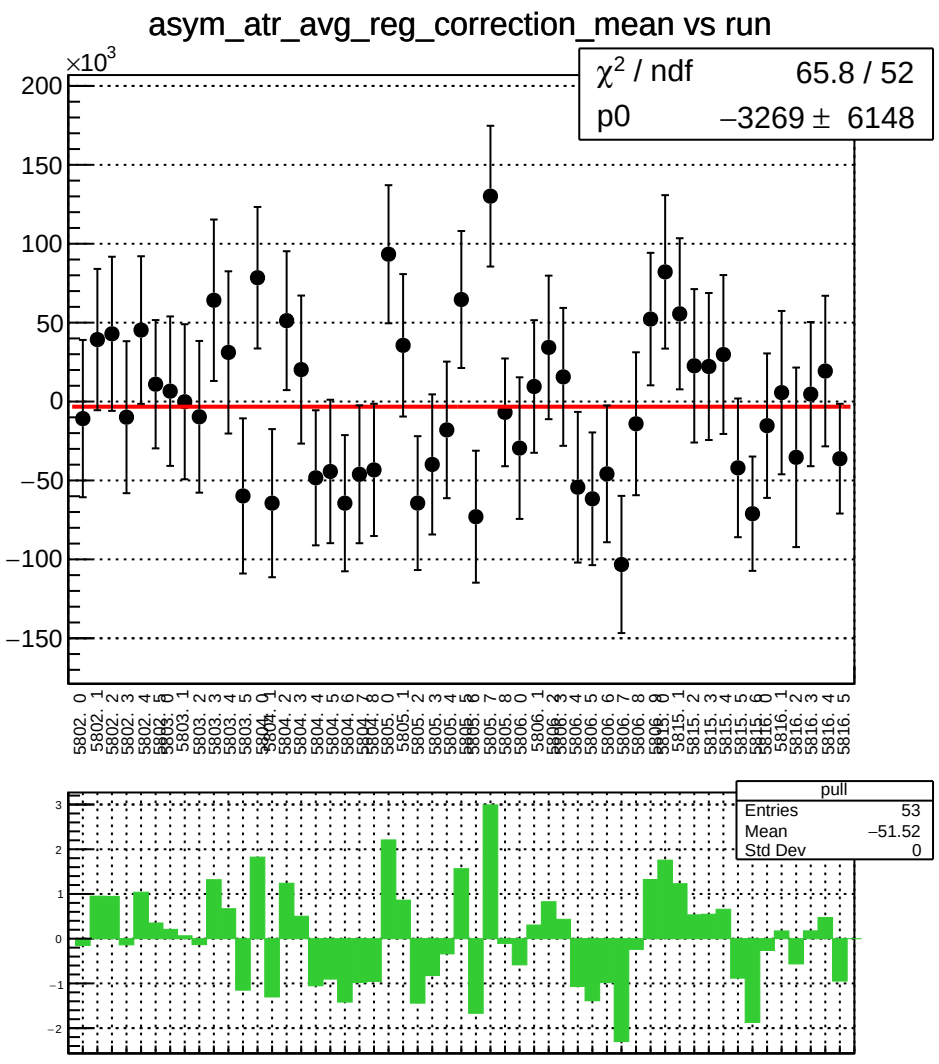

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.38 / 52
p0 1.124e−13 ± 1.183e−13
pull
Entries 53
Mean 0.6192
Std Dev 0
pull1D
Entries 53
Mean −0.1203
Std Dev 0.9675

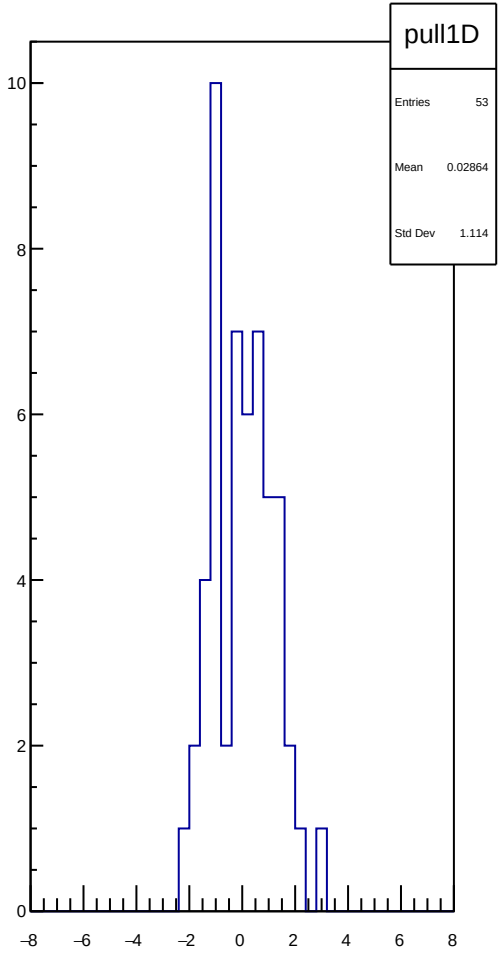

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.305e+05 / 52
p0 7.342e−11 ± 8.362e−14
0.3
0.25
0.2
0.15
0.1
0.05

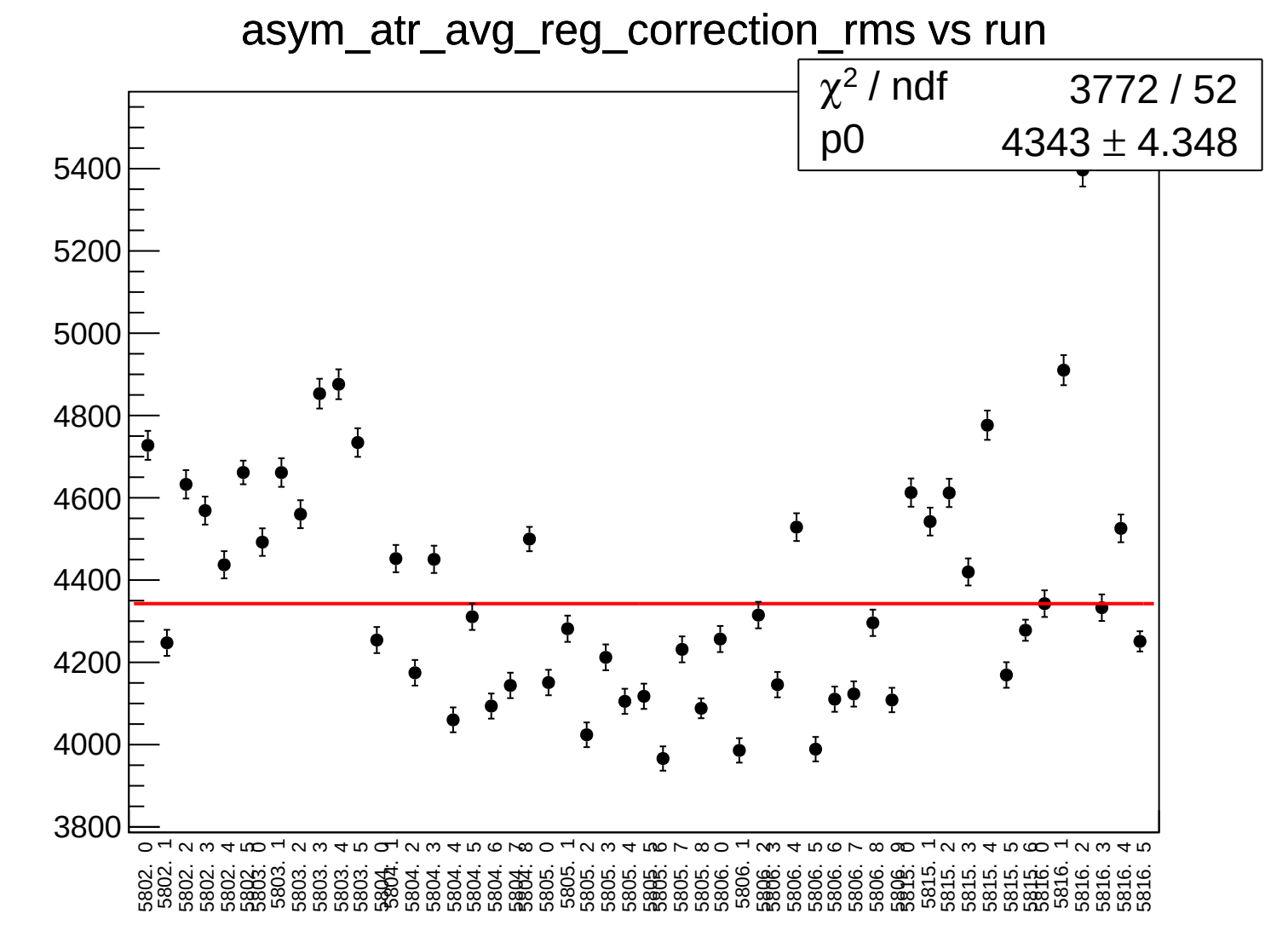

reg_asym_atr_avg_mean vs run
χ² / ndf 62.35 / 52
p0 2383 ± 2682
pull
Entries 53
Mean 13.28
Std Dev 0

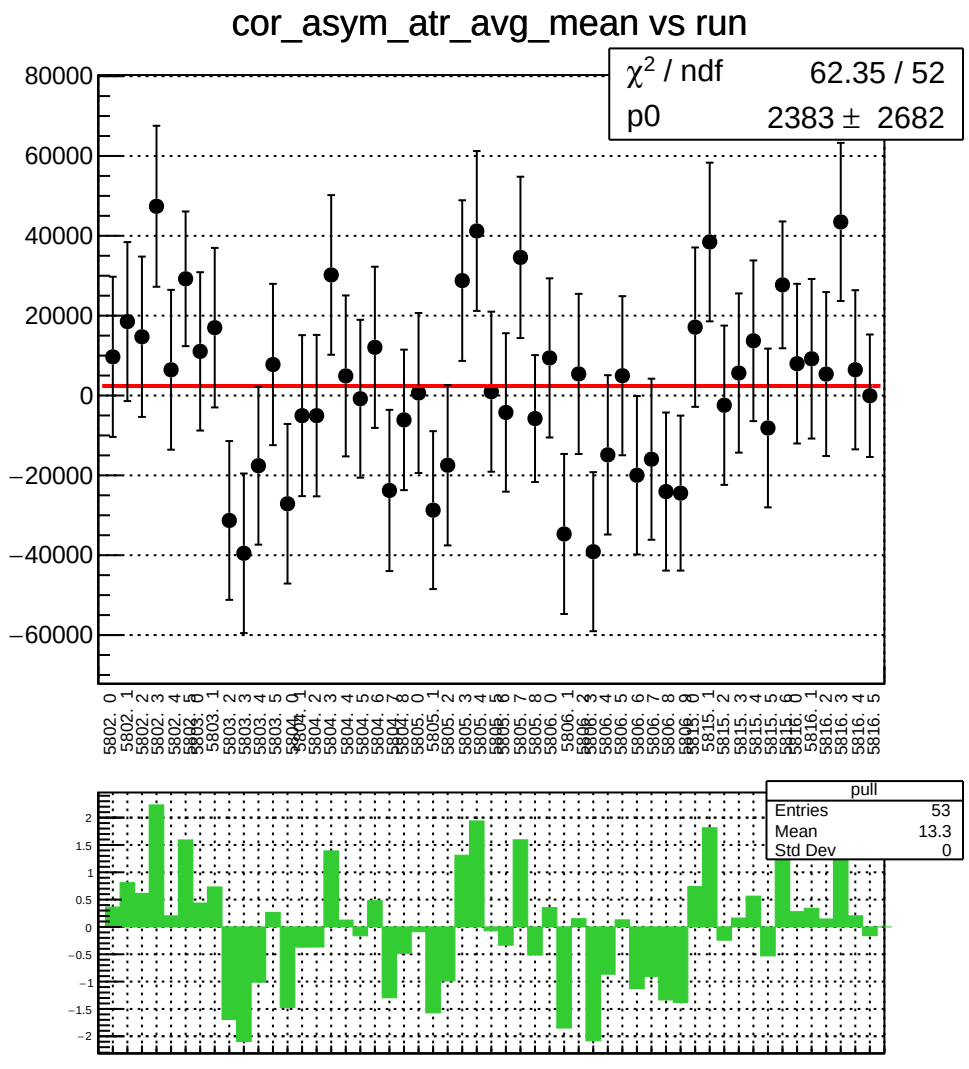

pull1D
Entries 53
Mean −0.006665
Std Dev 1.085

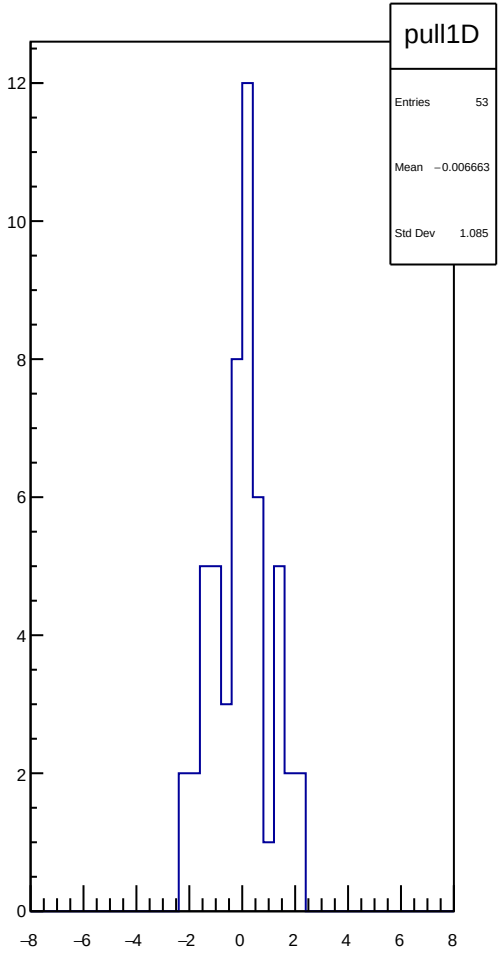

reg_asym_atr_avg_rms vs run
χ² / ndf 73.75 / 52
p0 1898 ± 1.897
1960
1940
1920
1900
1880
1860

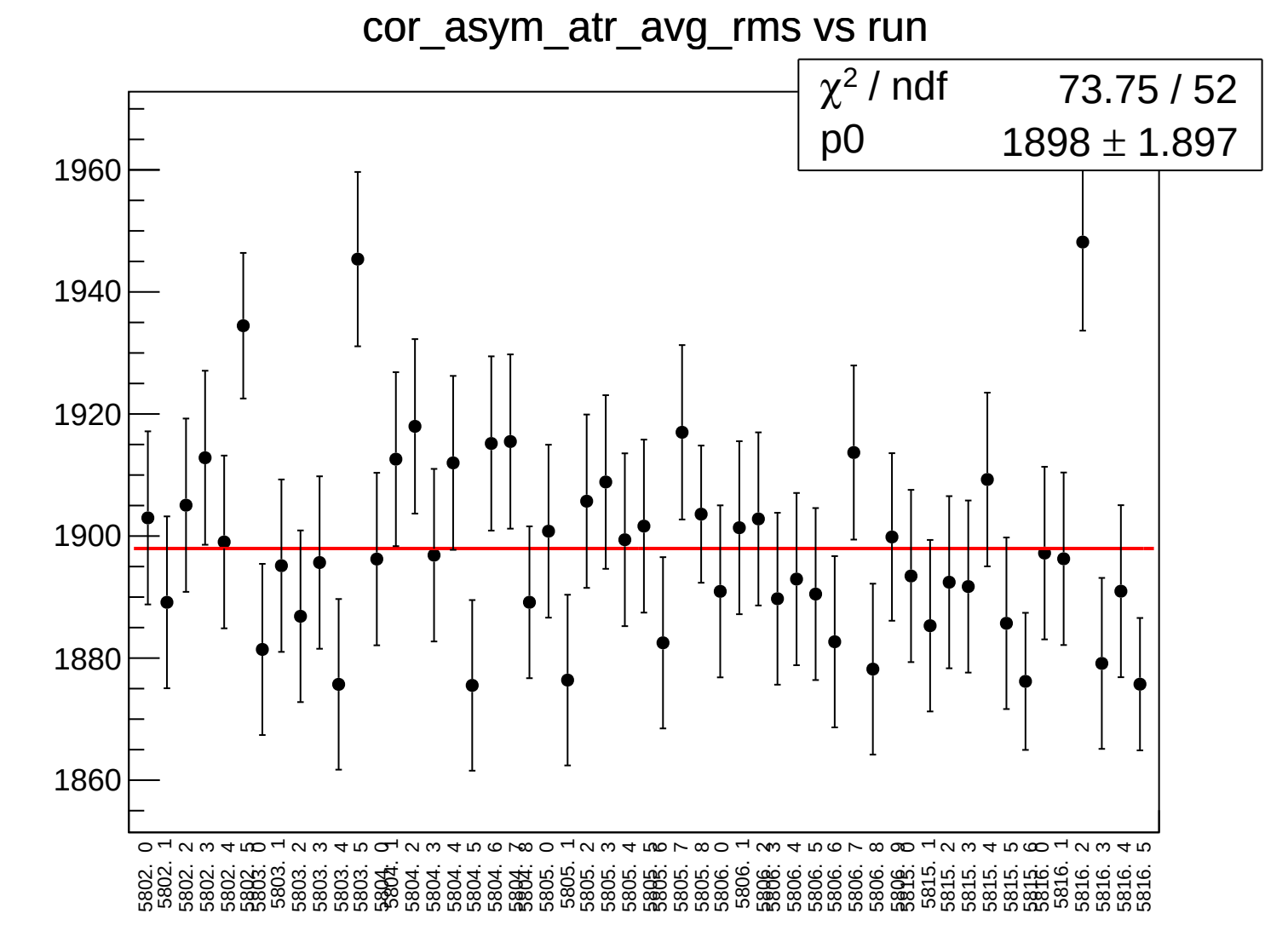

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.8 / 52
p0 −3269 ± 6148
pull
Entries 53
Mean −51.52
Std Dev 0

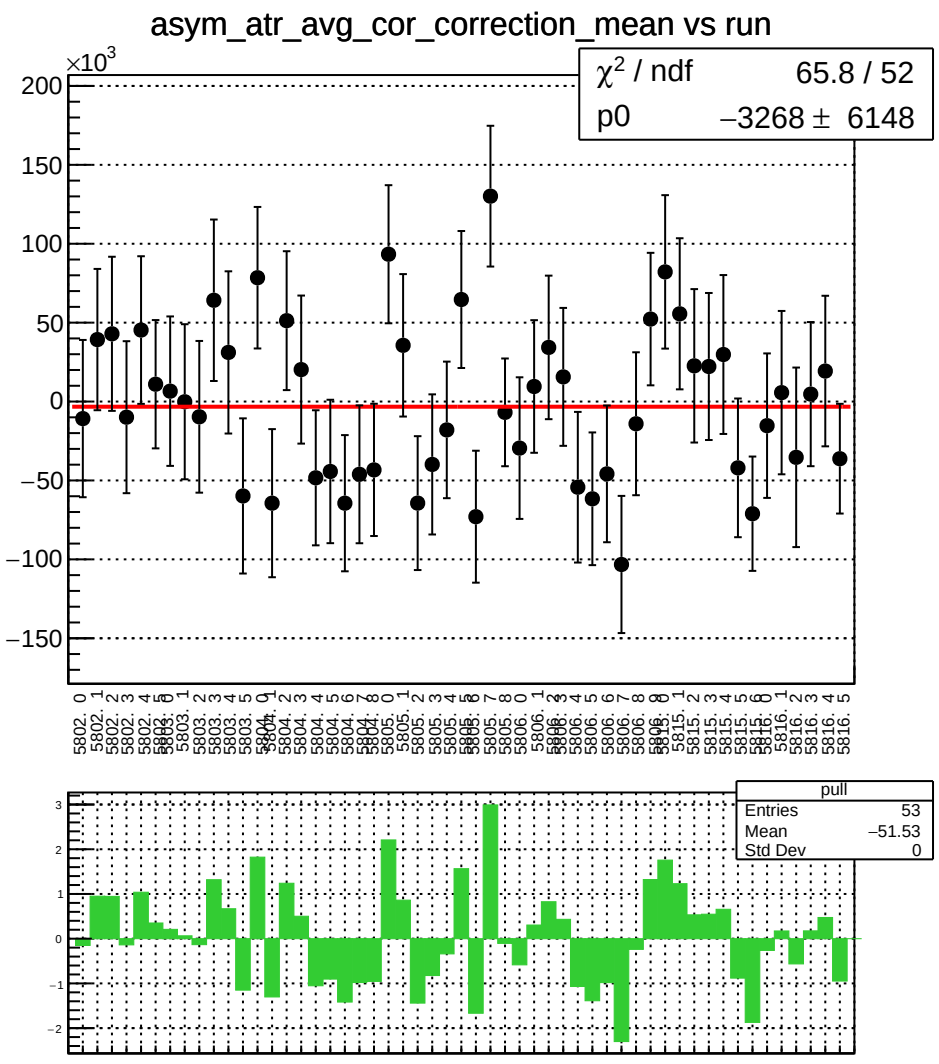

pull1D
Entries 53
Mean 0.02864
Std Dev 1.114

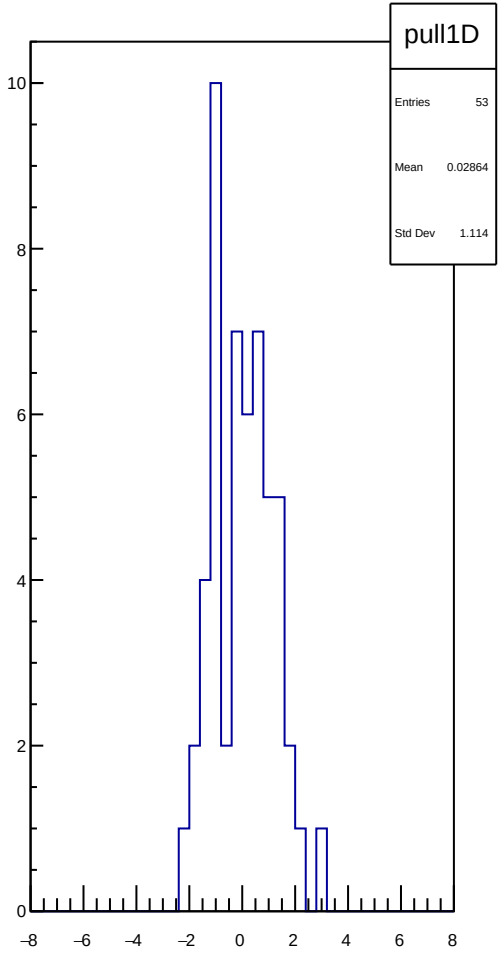

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 3772 / 52
p0 4343 ± 4.348
5400
5200
5000
4800
4600
4400
4200
4000
3800

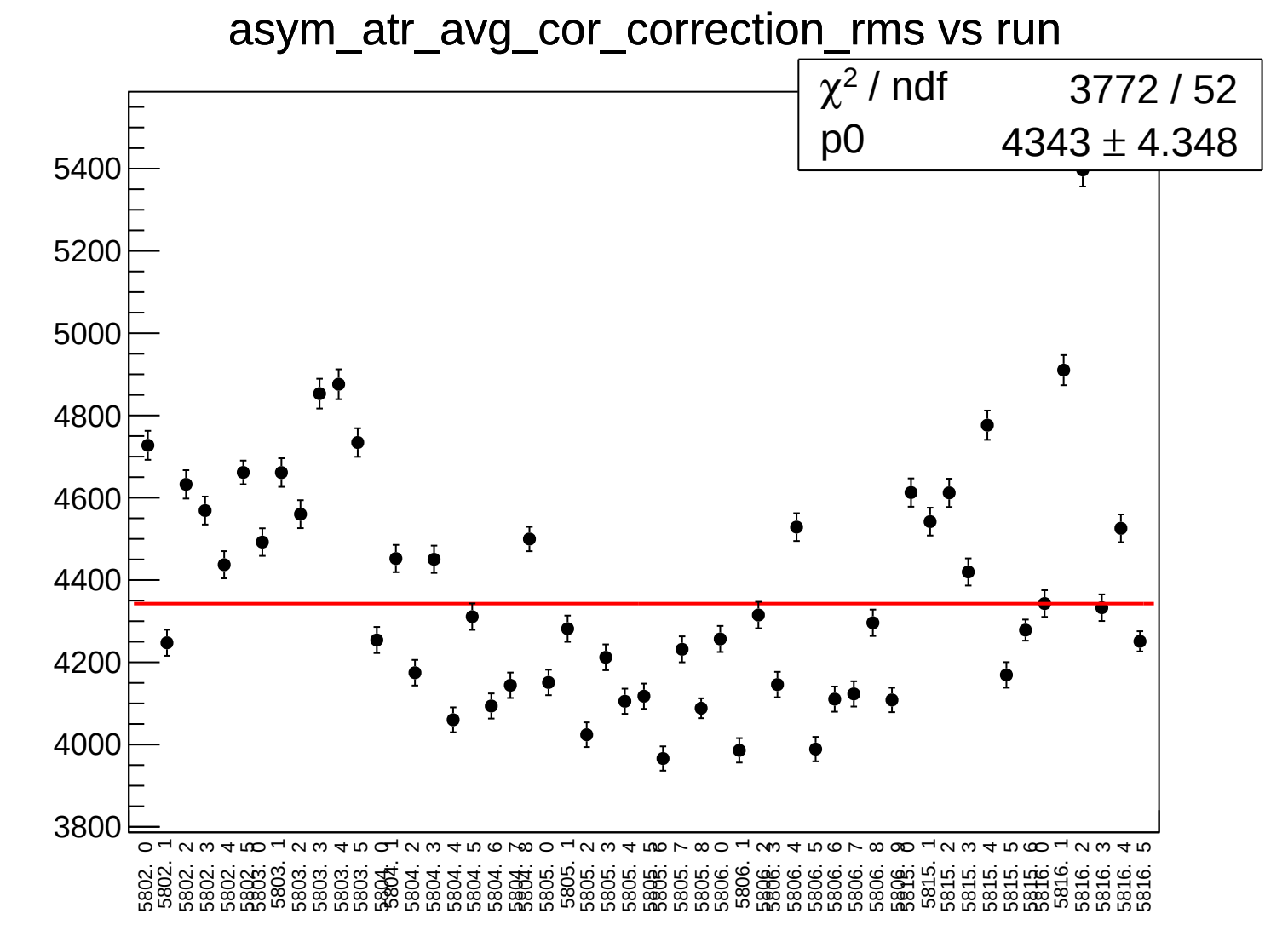

cor_asym_atr_avg_mean vs run
χ² / ndf 62.35 / 52
p0 2383 ± 2682
pull
Entries 53
Mean 13.3
Std Dev 0

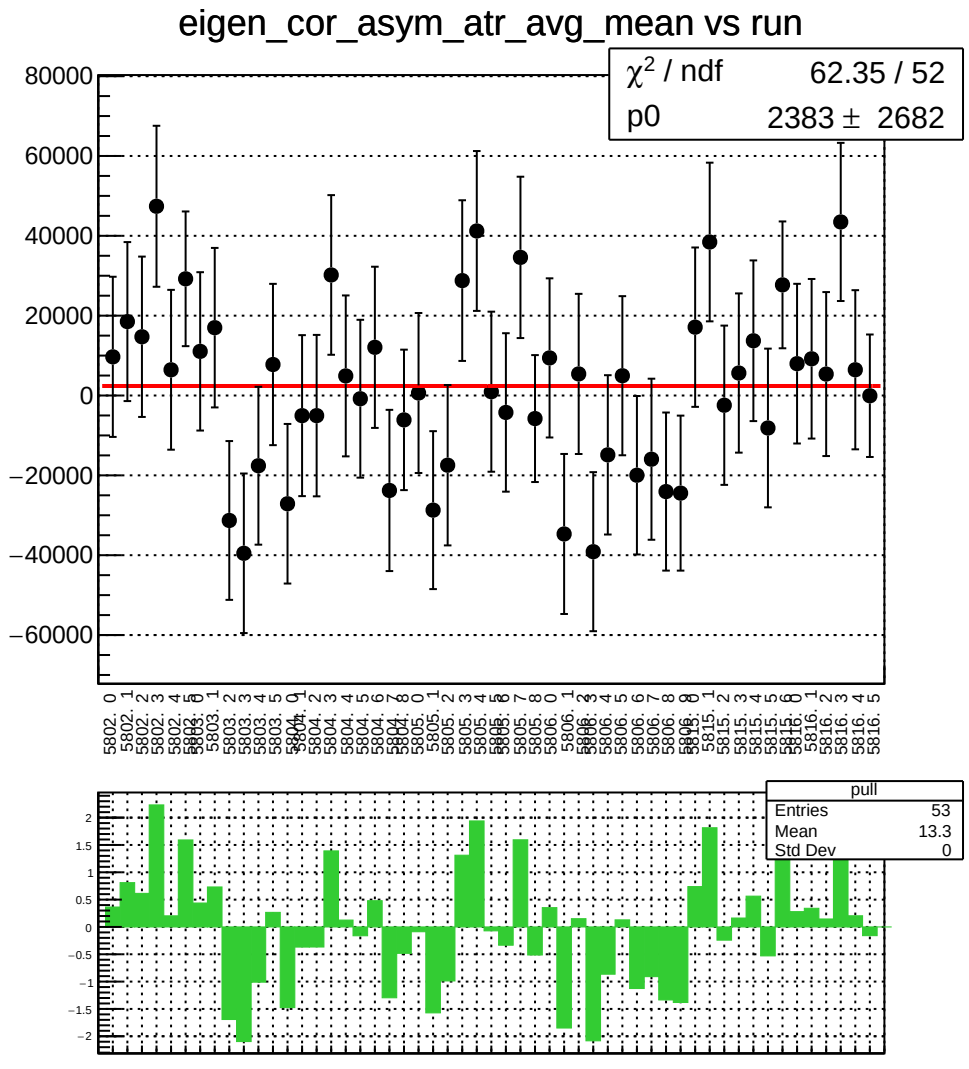

pull1D
Entries 53
Mean −0.006663
Std Dev 1.085

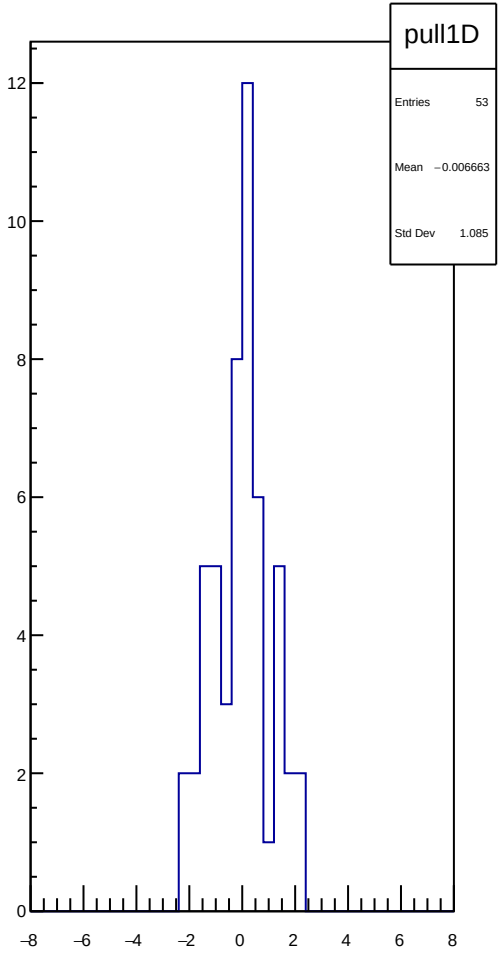

cor_asym_atr_avg_rms vs run
χ² / ndf 73.75 / 52
p0 1898 ± 1.897
1960
1940
1920
1900
1880
1860

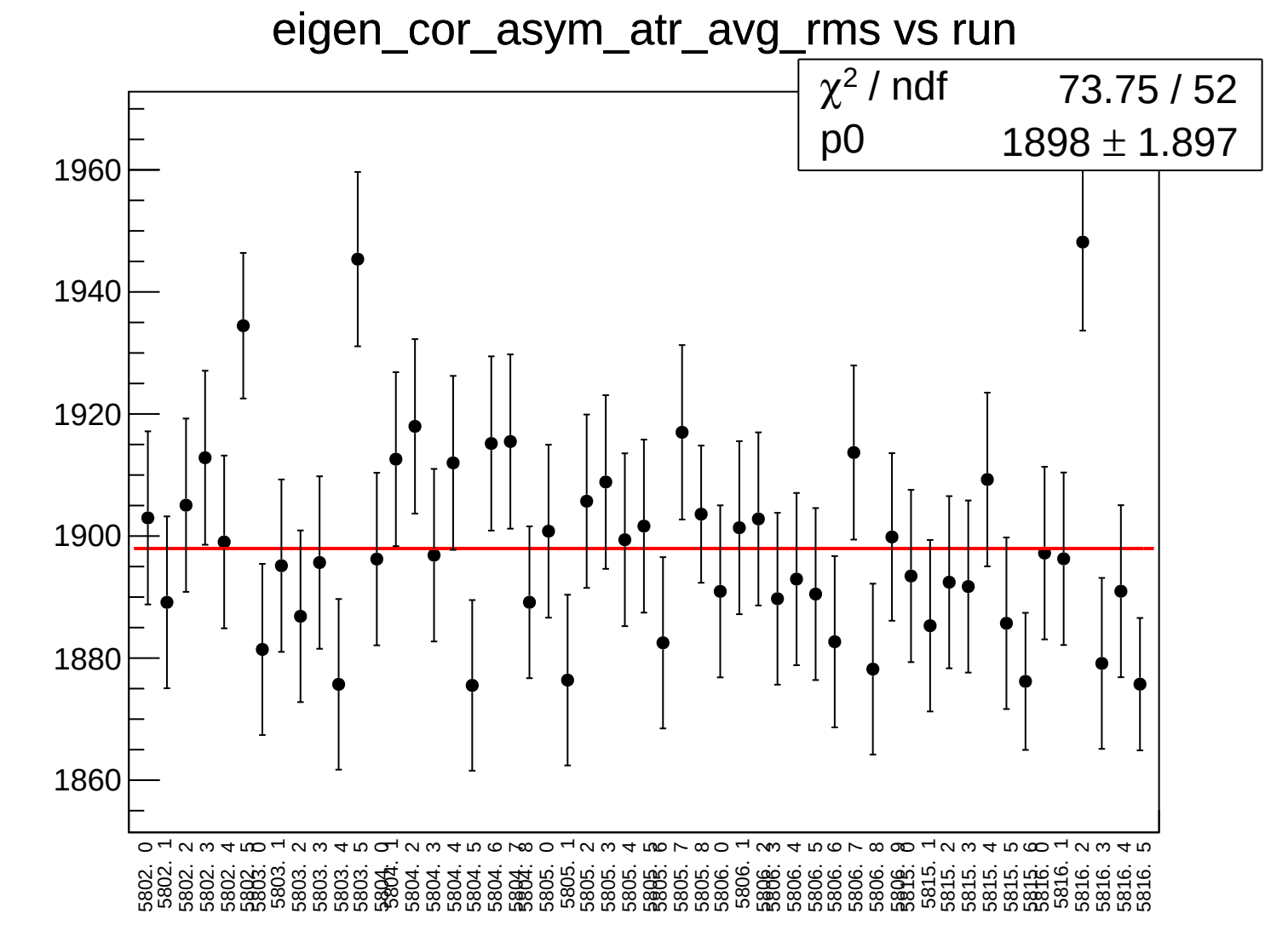

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.8 / 52
p0 −3268 ± 6148
200
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −51.53
Std Dev 0
3
2
1
0
−1
−2

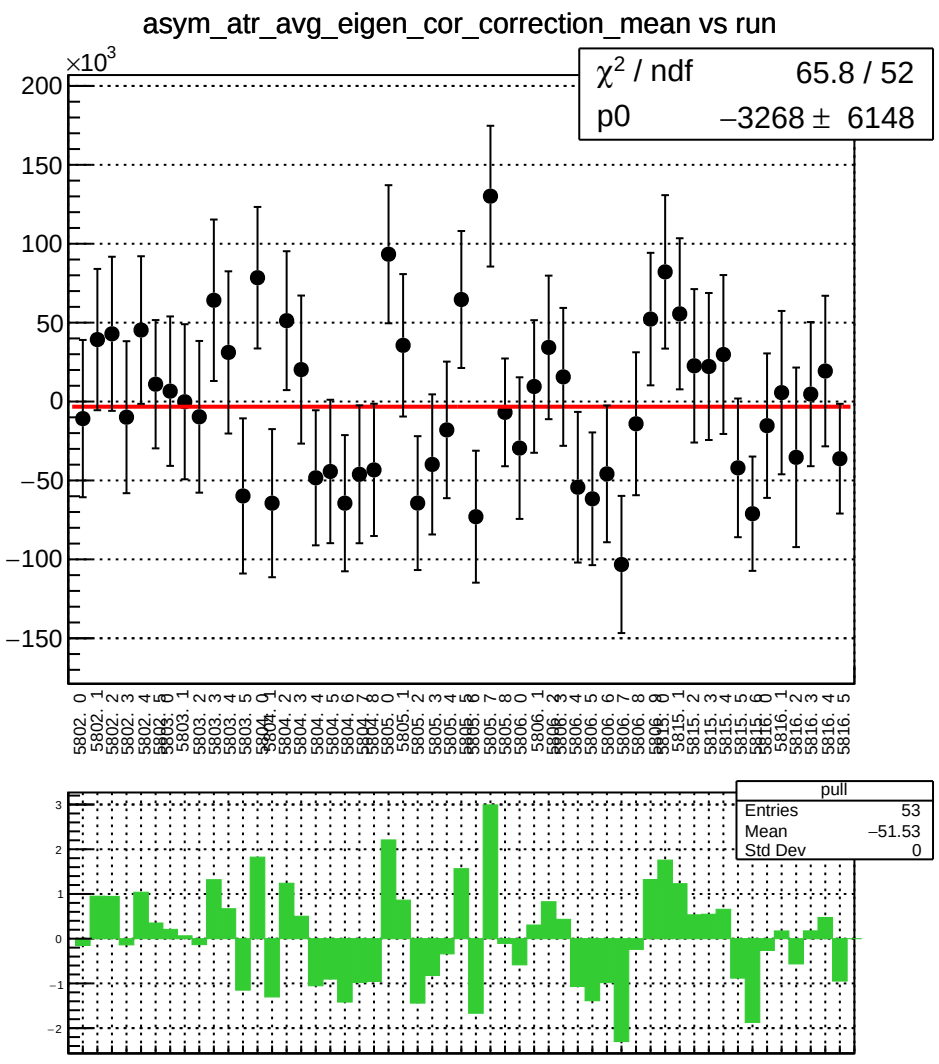

pull1D
Entries 53
Mean 0.02864
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

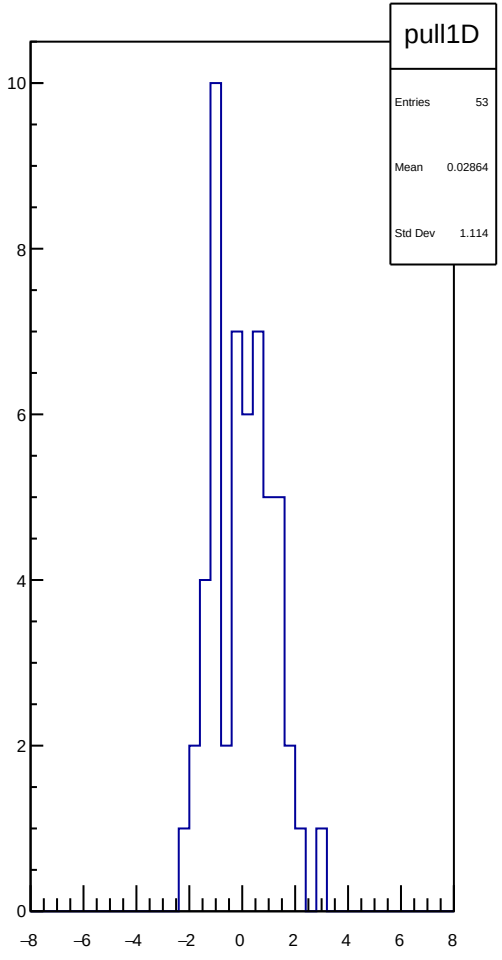

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 3772 / 52
p0 4343 ± 4.348
5400
5200
5000
4800
4600
4400
4200
4000
3800

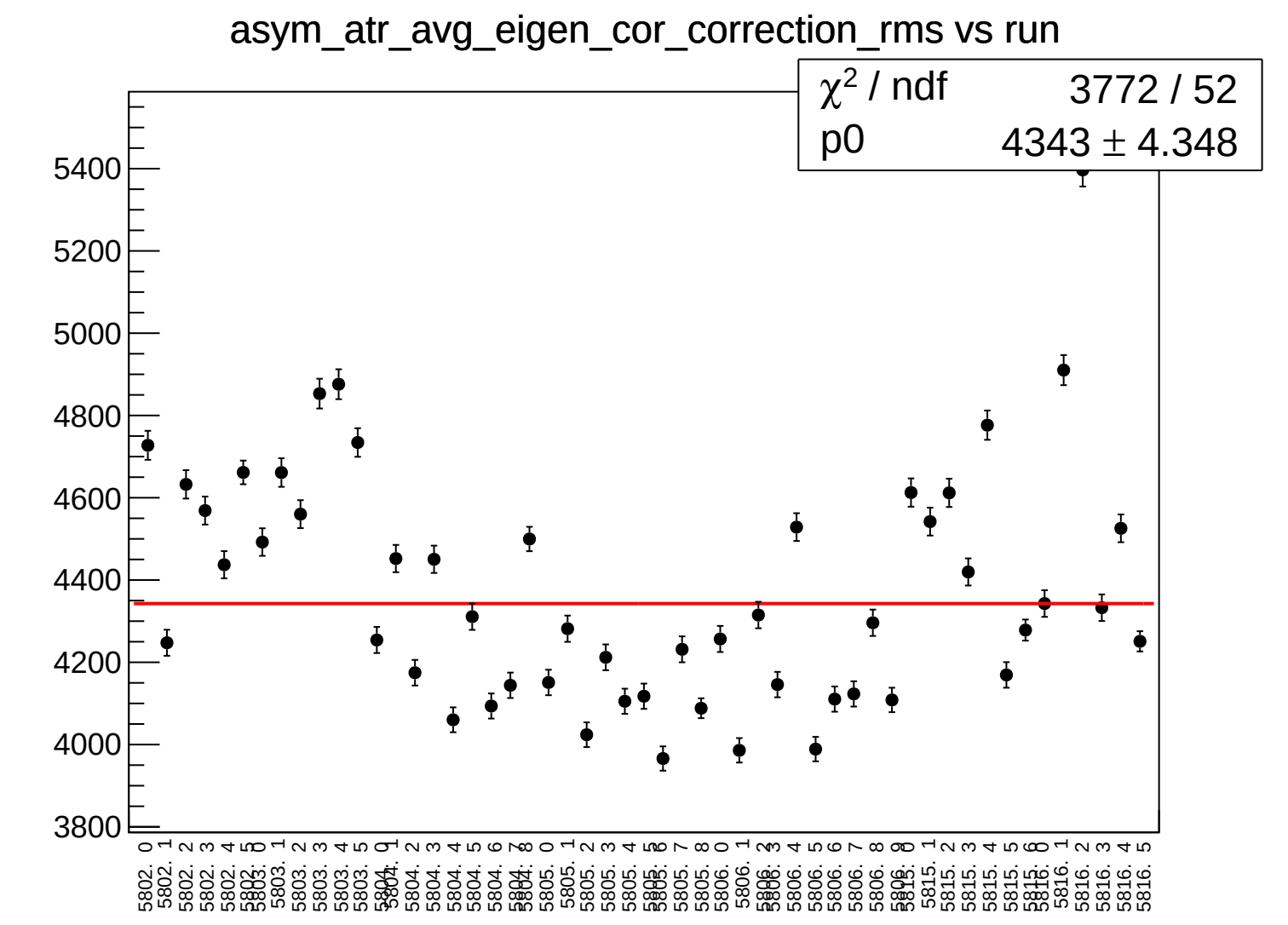

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 62.35 / 52
p0 2383 ± 2682
pull
Entries 53
Mean 13.3
Std Dev 0

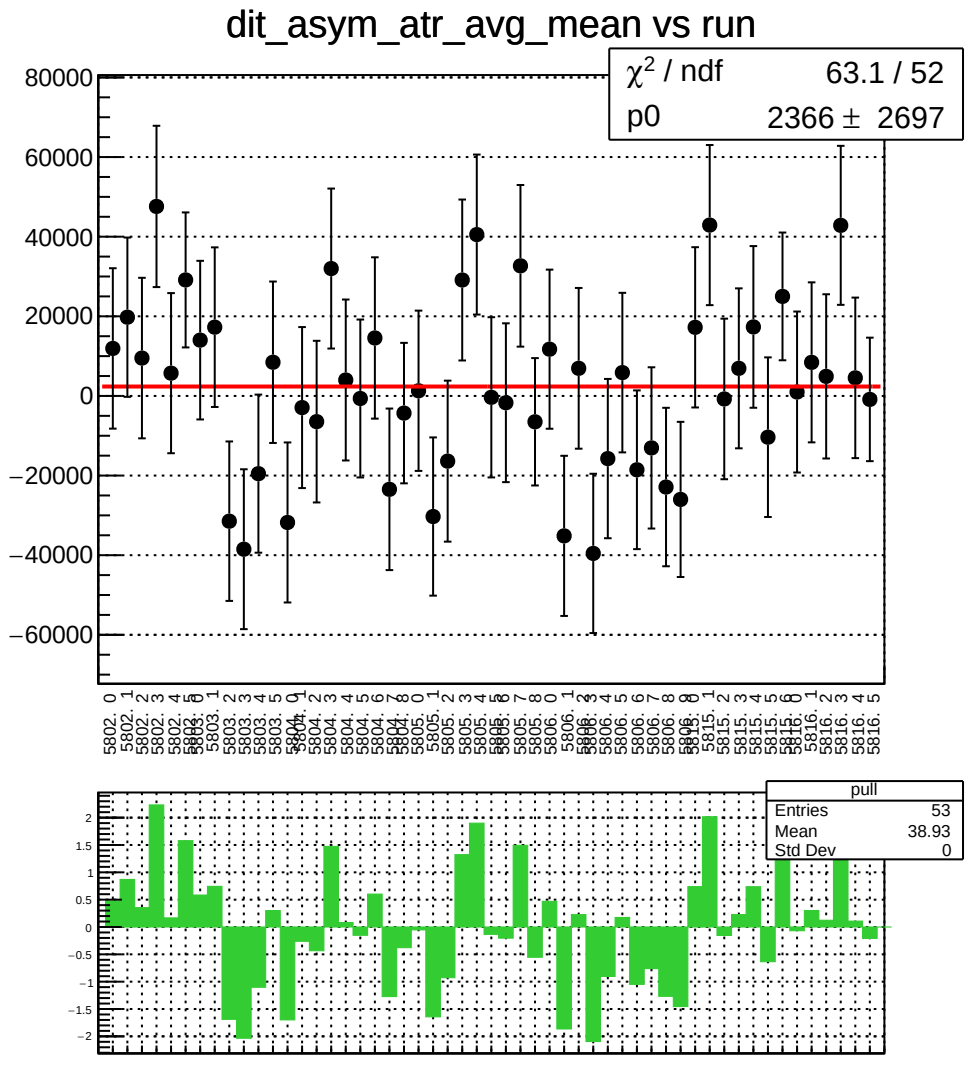

pull1D
Entries 53
Mean −0.006663
Std Dev 1.085

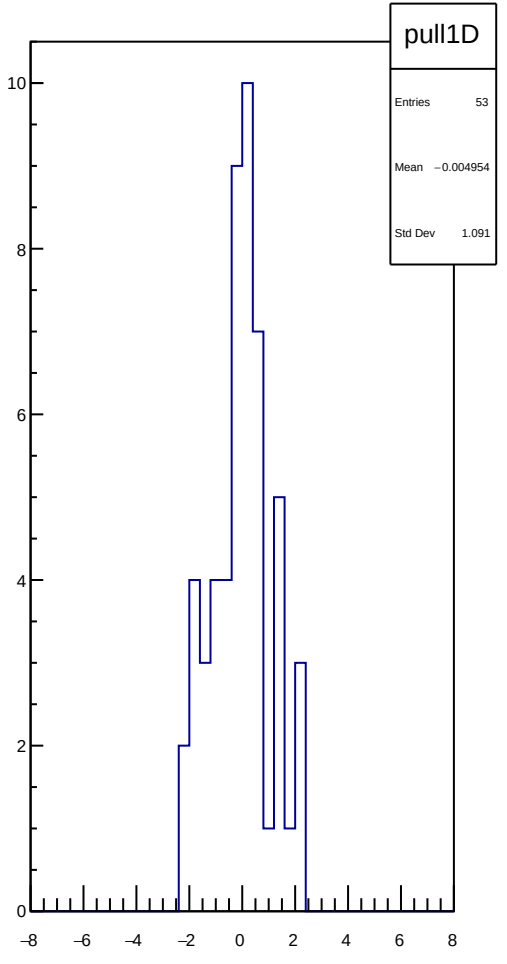

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 73.75 / 52
p0 1898 ± 1.897
1960
1940
1920
1900
1880
1860
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

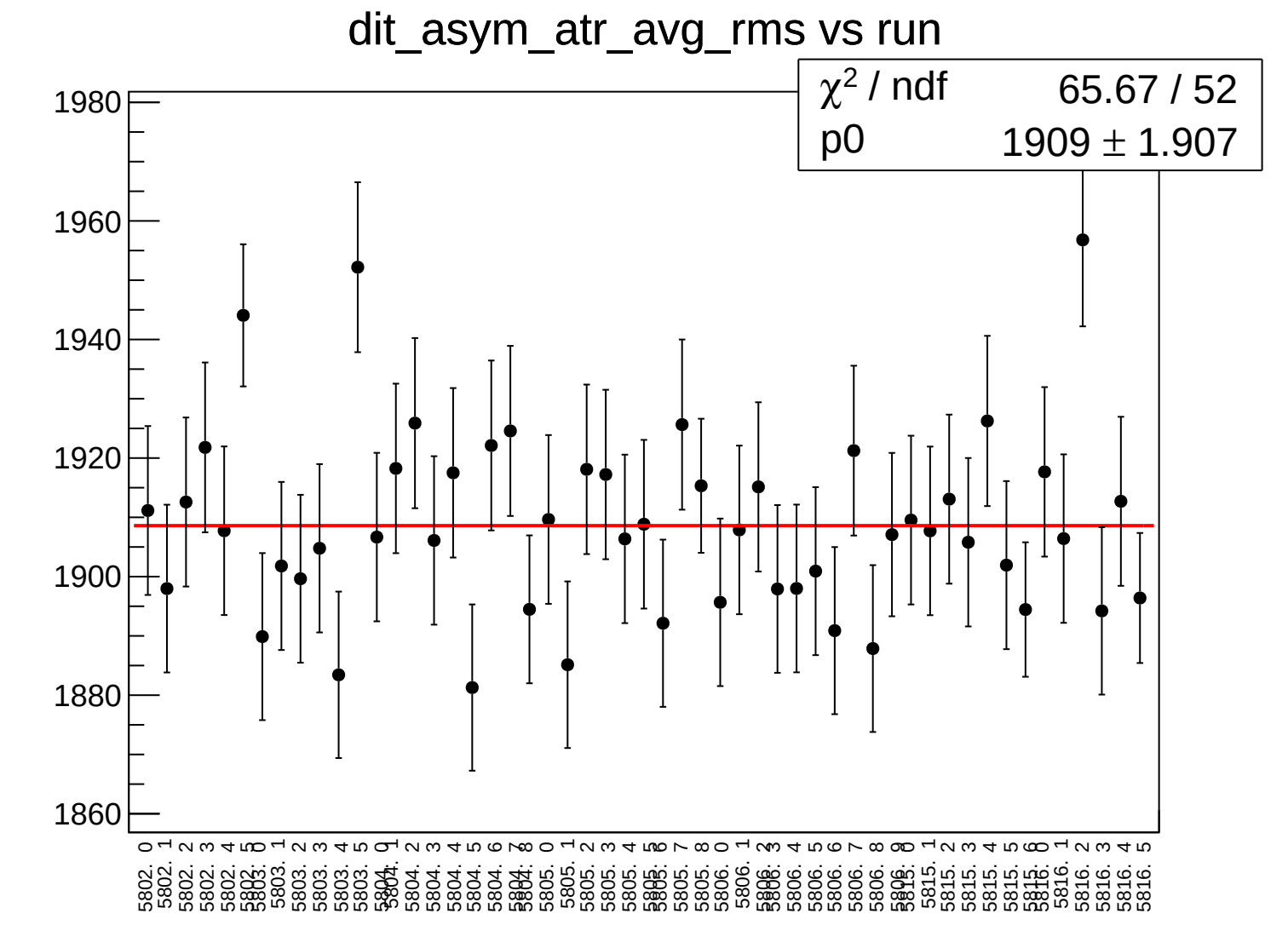

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.8 / 52
p0 −3268 ± 6148
pull
Entries 53
Mean −51.53
Std Dev 0

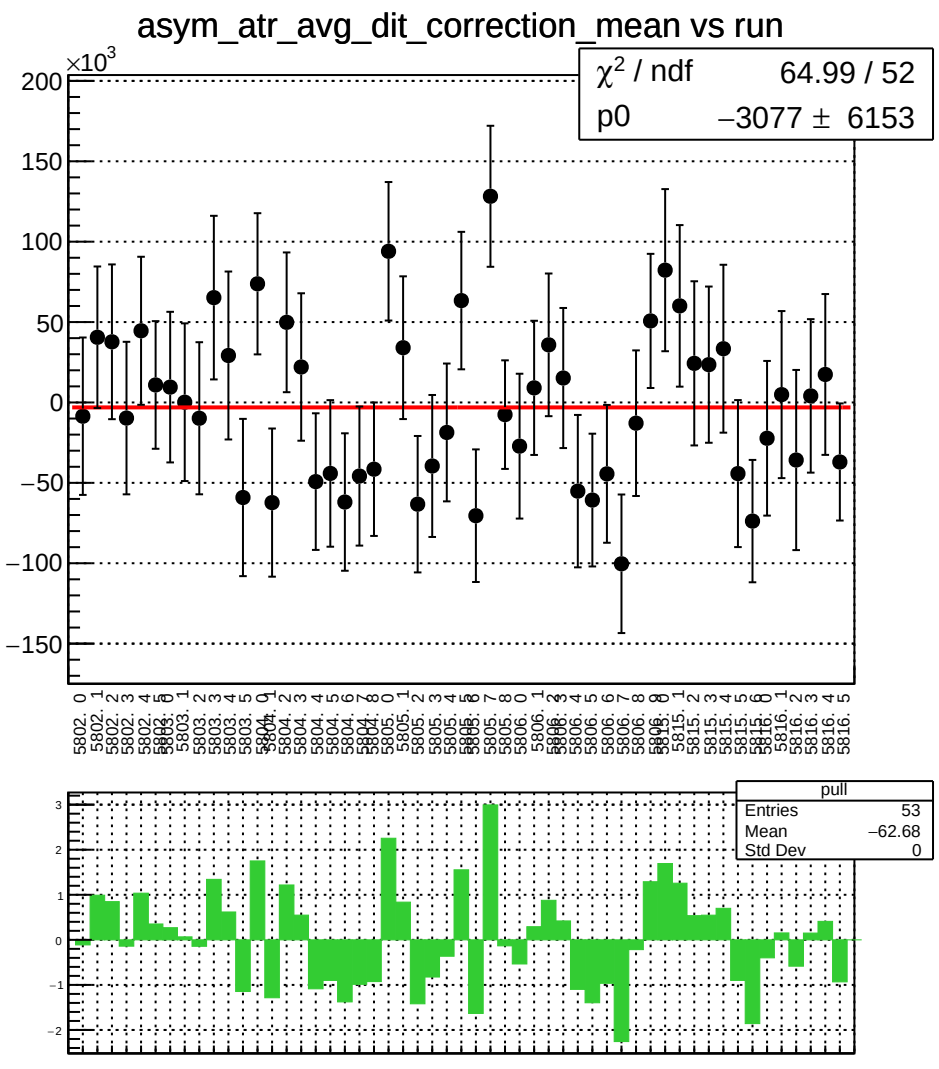

pull1D
Entries 53
Mean 0.02864
Std Dev 1.114

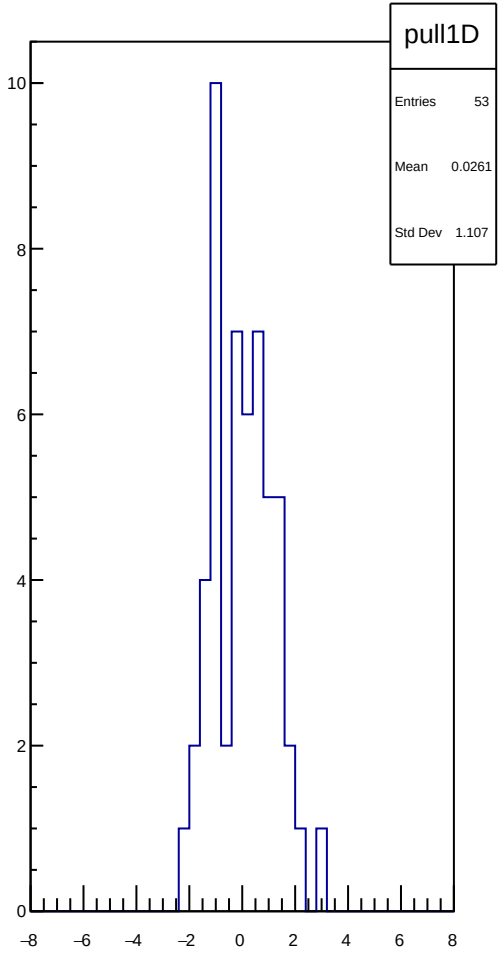

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 3772 / 52
p0 4343 ± 4.348
5400
5200
5000
4800
4600
4400
4200
4000
3800

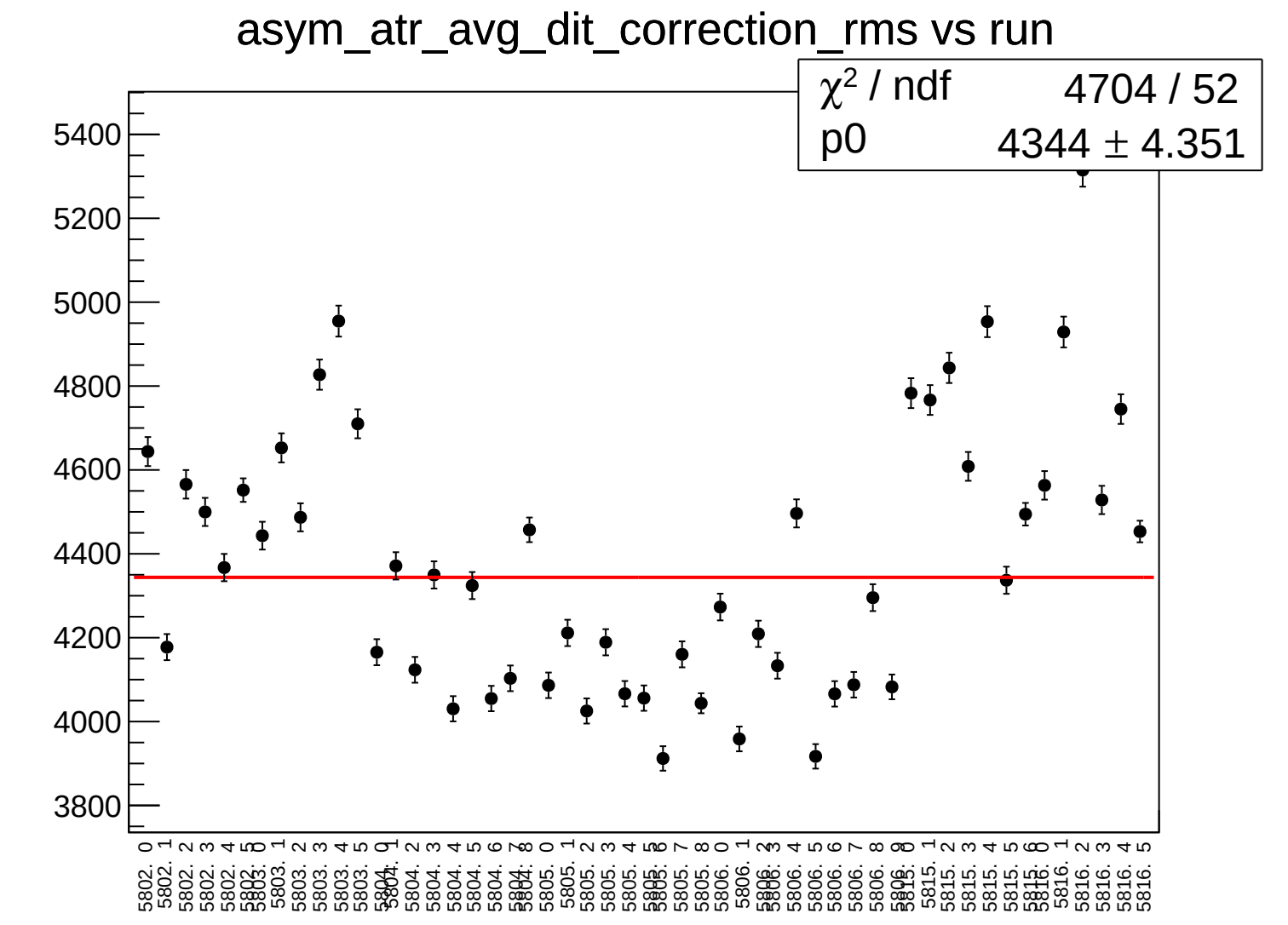

dit_asym_atr_avg_mean vs run
χ² / ndf 63.1 / 52
p0 2366 ± 2697
pull
Entries 53
Mean 38.93
Std Dev 0

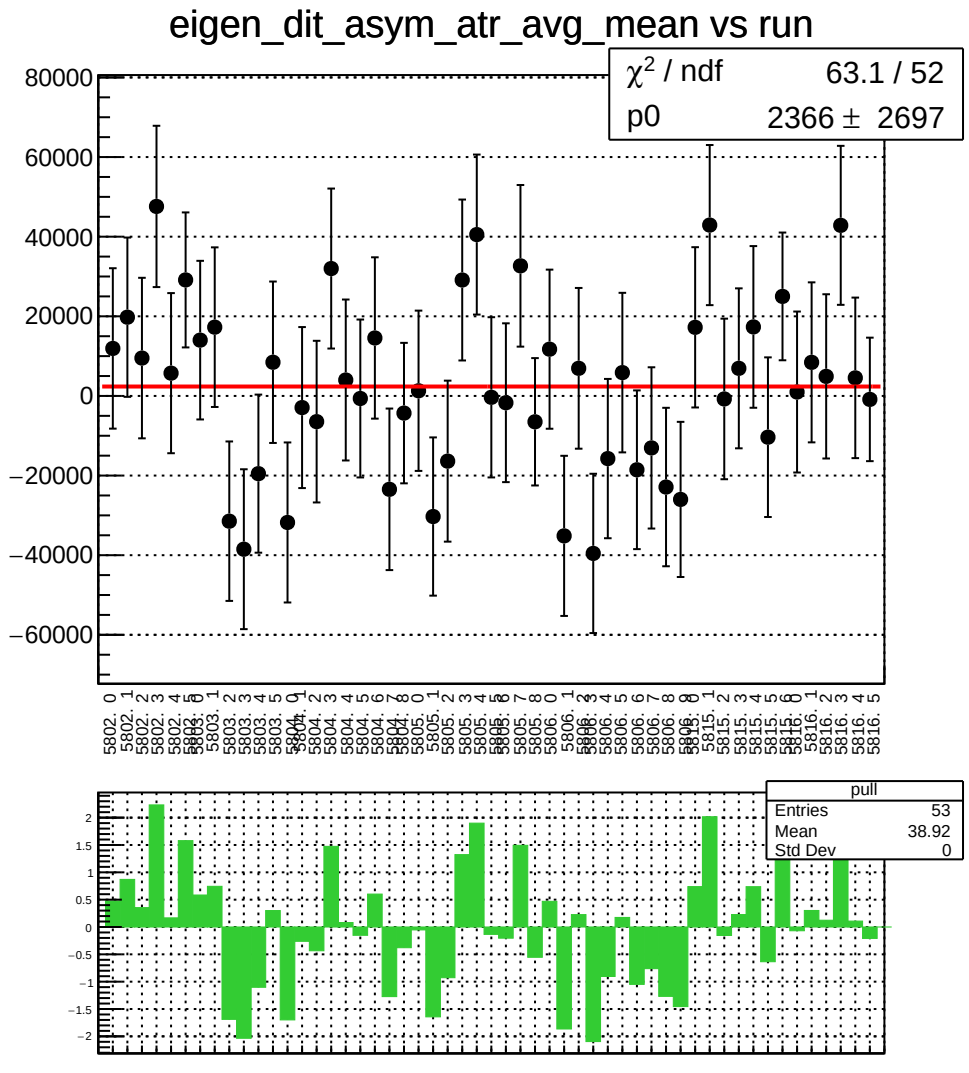

pull1D
Entries 53
Mean −0.004954
Std Dev 1.091

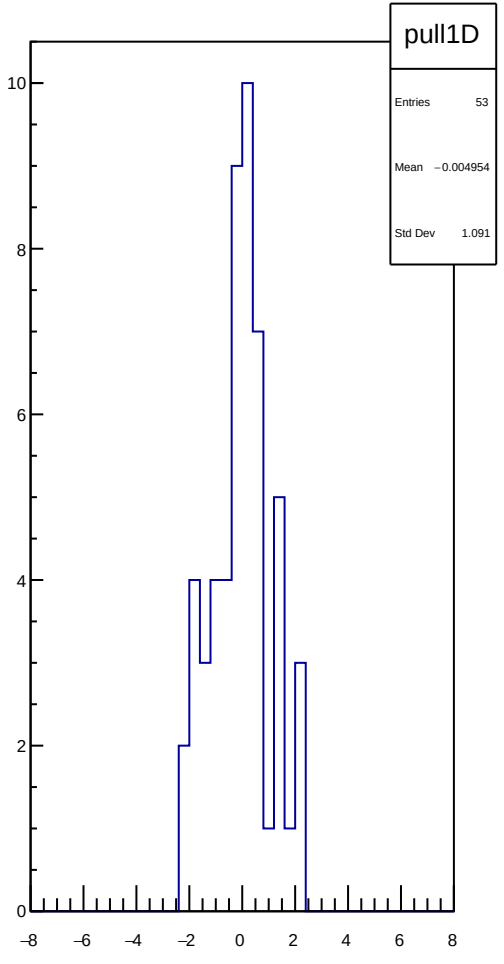

dit_asym_atr_avg_rms vs run
χ² / ndf 65.67 / 52
p0 1909 ± 1.907
1980
1960
1940
1920
1900
1880
1860
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

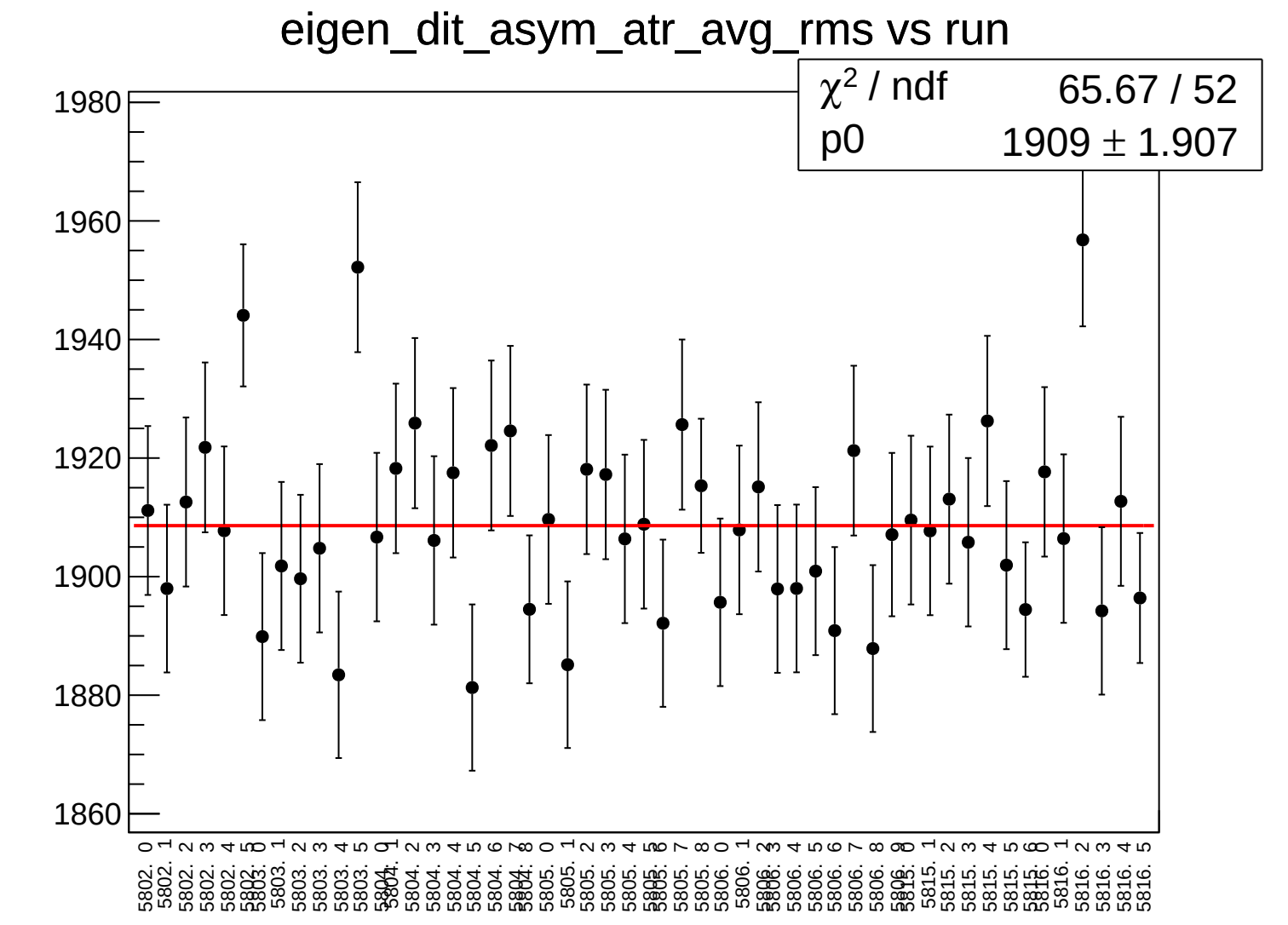

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 64.99 / 52
p0 −3077 ± 6153
pull
Entries 53
Mean −62.68
Std Dev 0


pull1D
Entries 53
Mean 0.0261
Std Dev 1.107


asym_atr_avg_dit_correction_rms vs run
χ² / ndf 4704 / 52
p0 4344 ± 4.351
5400
5200
5000
4800
4600
4400
4200
4000
3800


eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 63.1 / 52
p0 2366 ± 2697
pull
Entries 53
Mean 38.92
Std Dev 0


pull1D
Entries 53
Mean −0.004954
Std Dev 1.091


eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 65.67 / 52
p0 1909 ± 1.907
1980
1960
1940
1920
1900
1880
1860
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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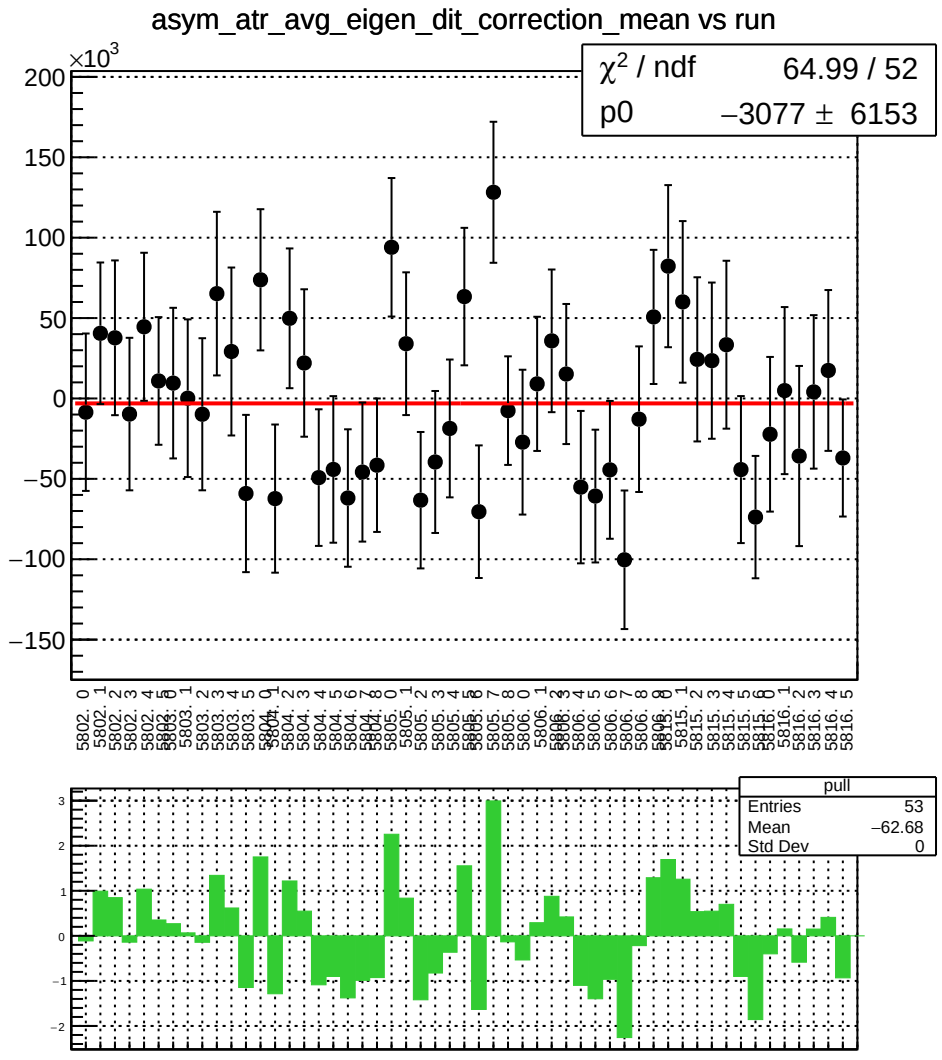
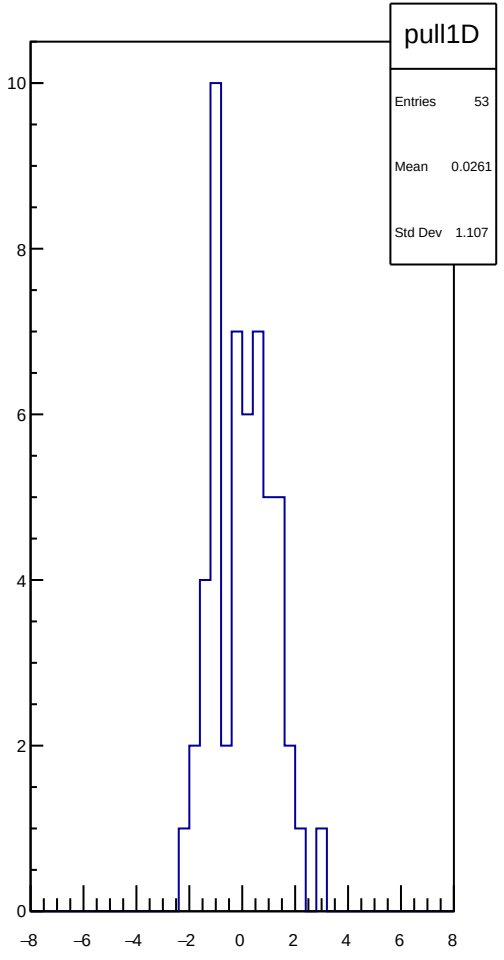
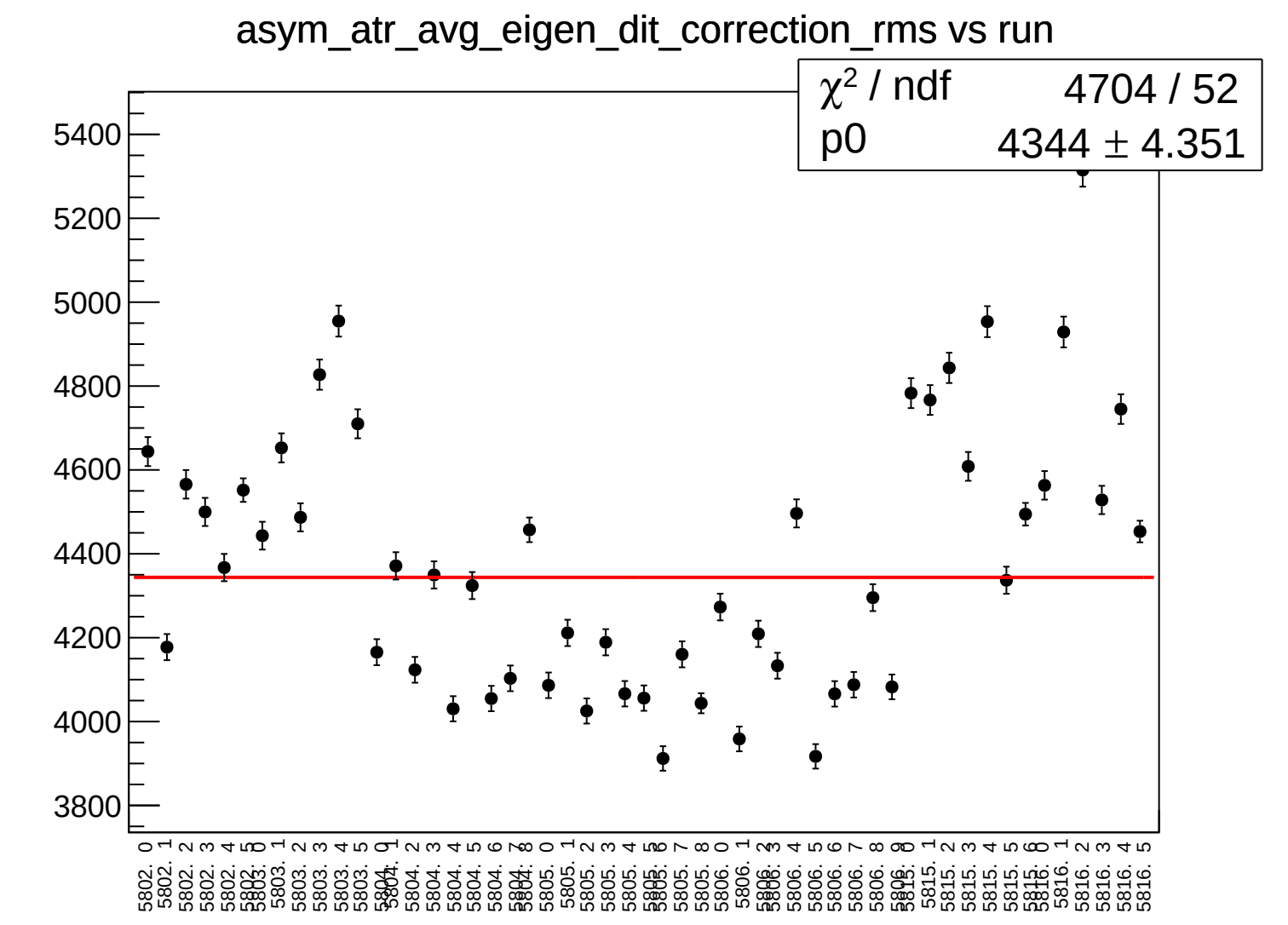
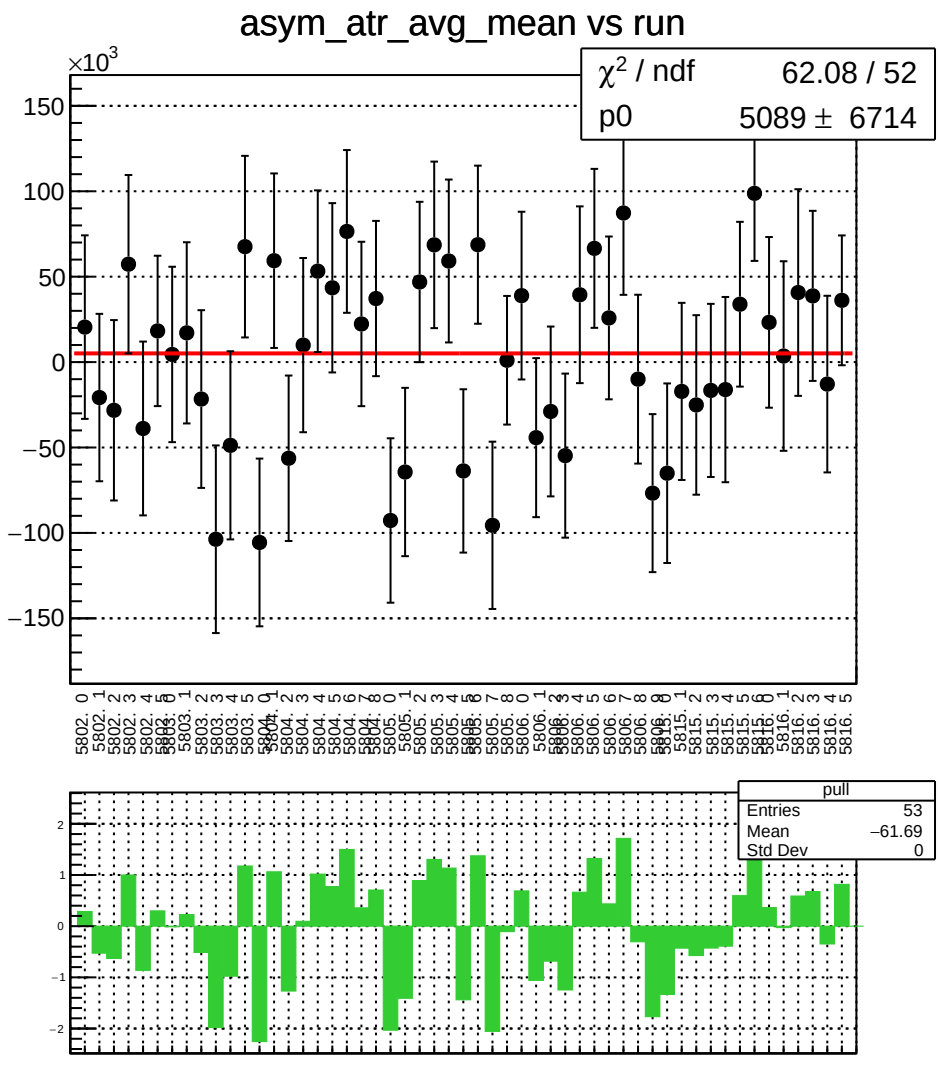
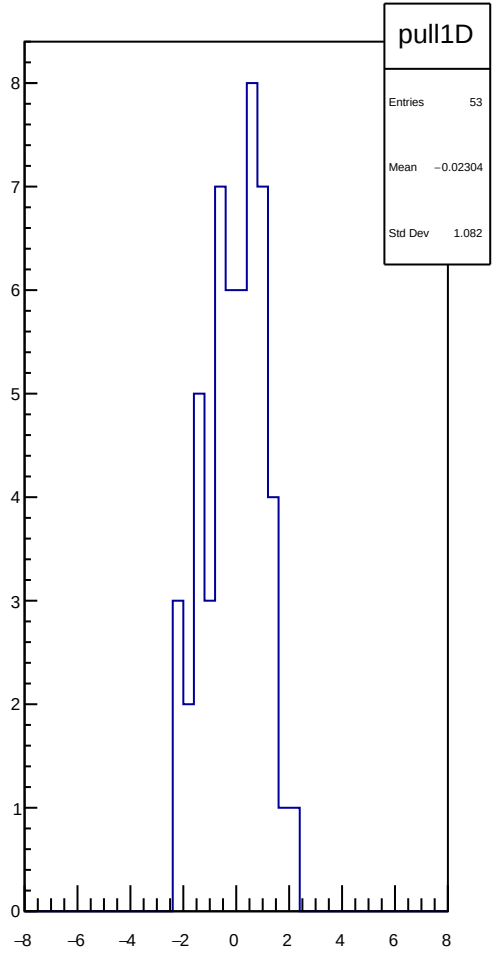
5816. 4
5816. 5

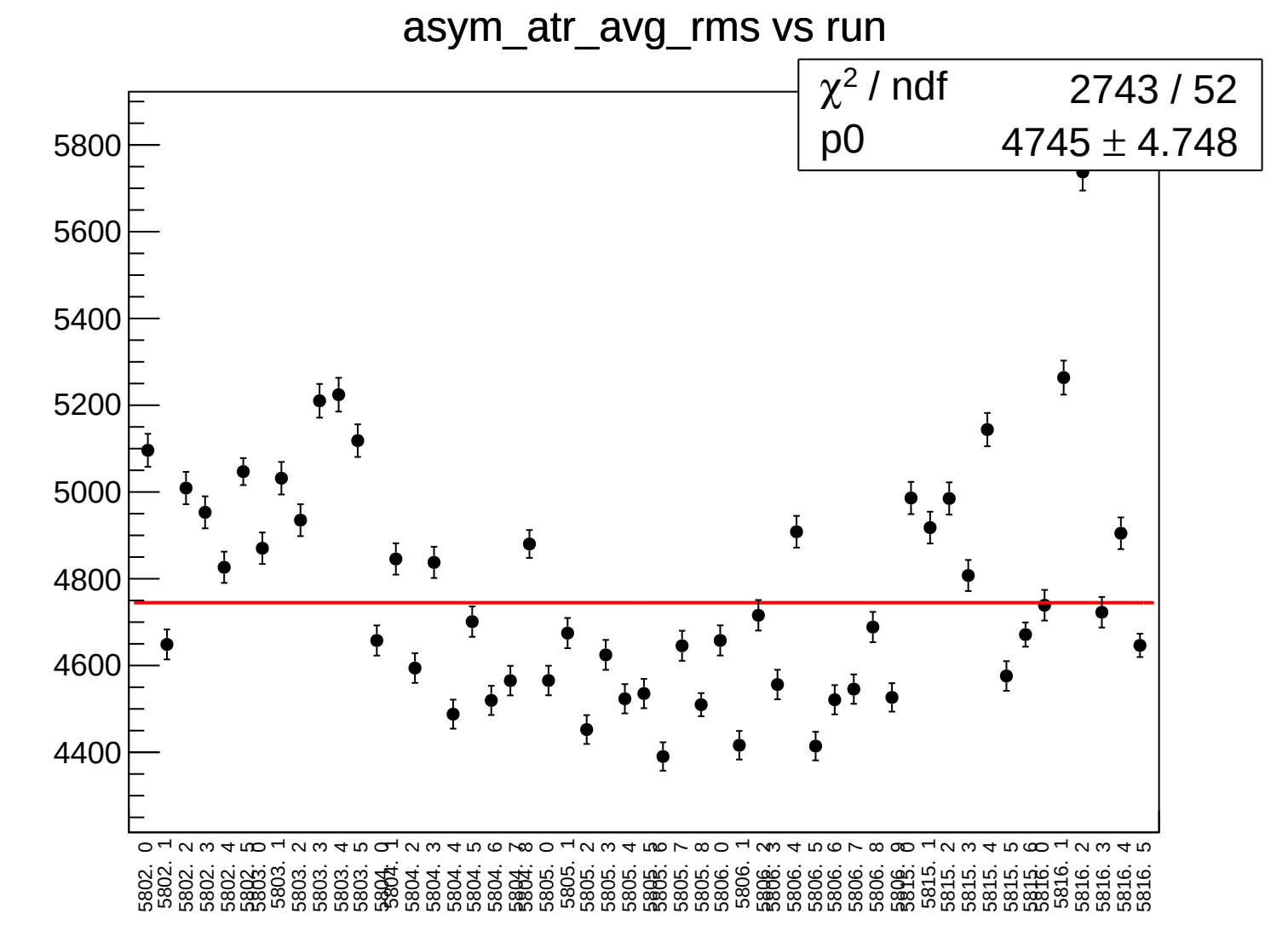

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.99 / 52
p0 −3077 ± 6153
pull
Entries 53
Mean −62.68
Std Dev 0

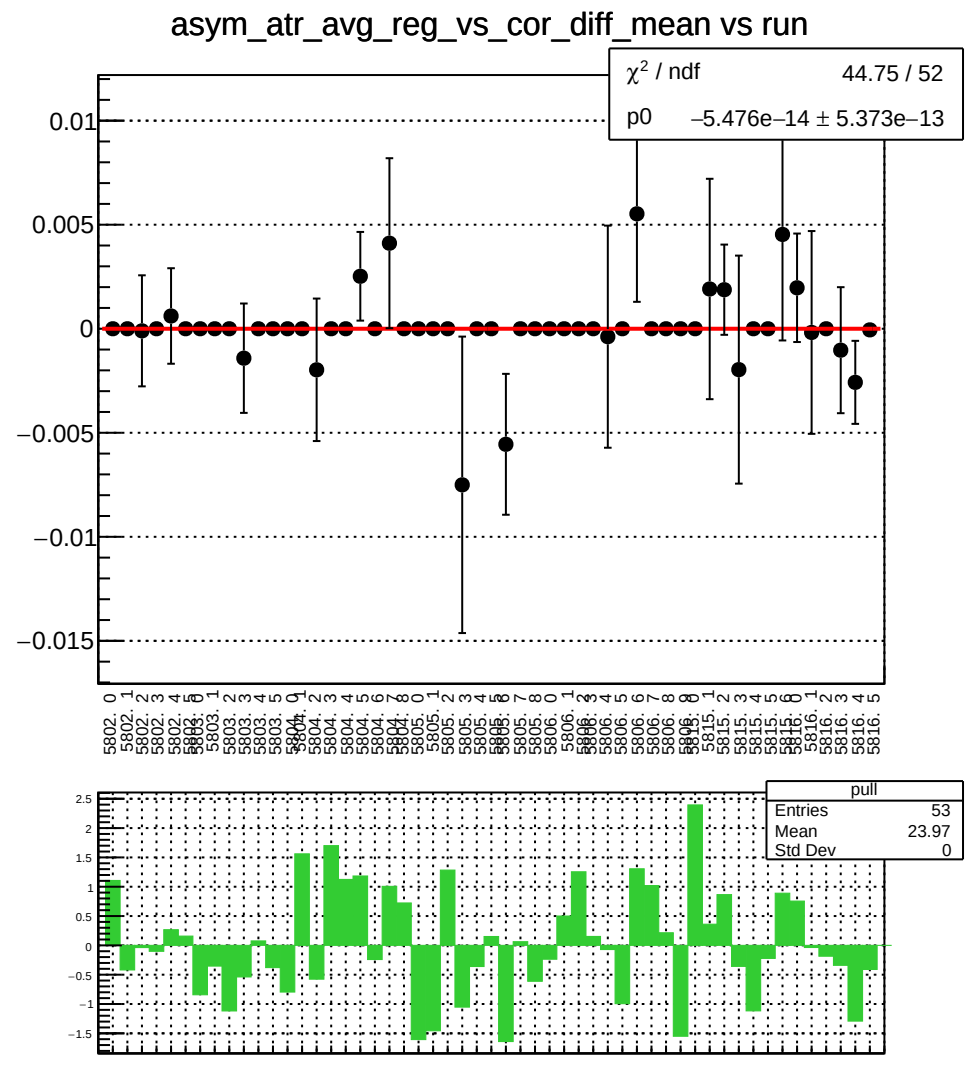

pull1D
Entries 53
Mean 0.0261
Std Dev 1.107

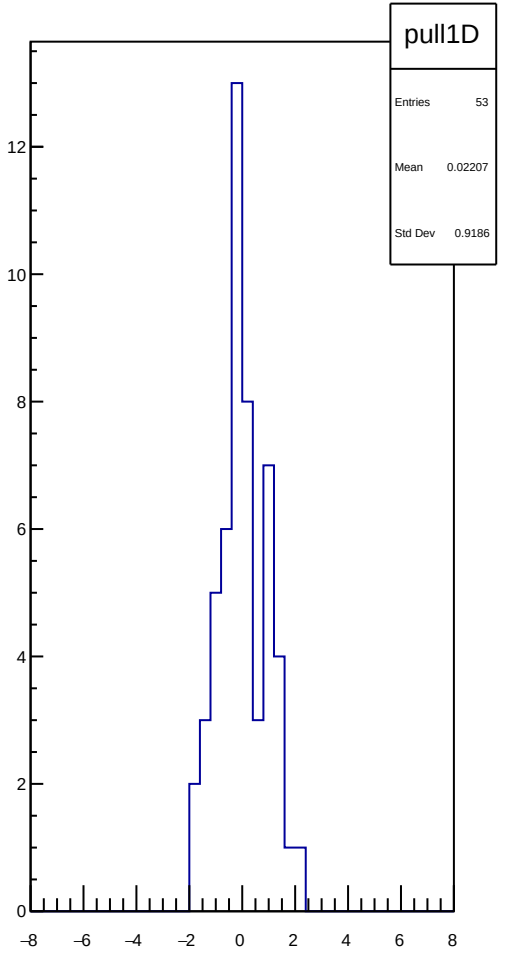

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 4704 / 52
p0 4344 ± 4.351
5400
5200
5000
4800
4600
4400
4200
4000
3800

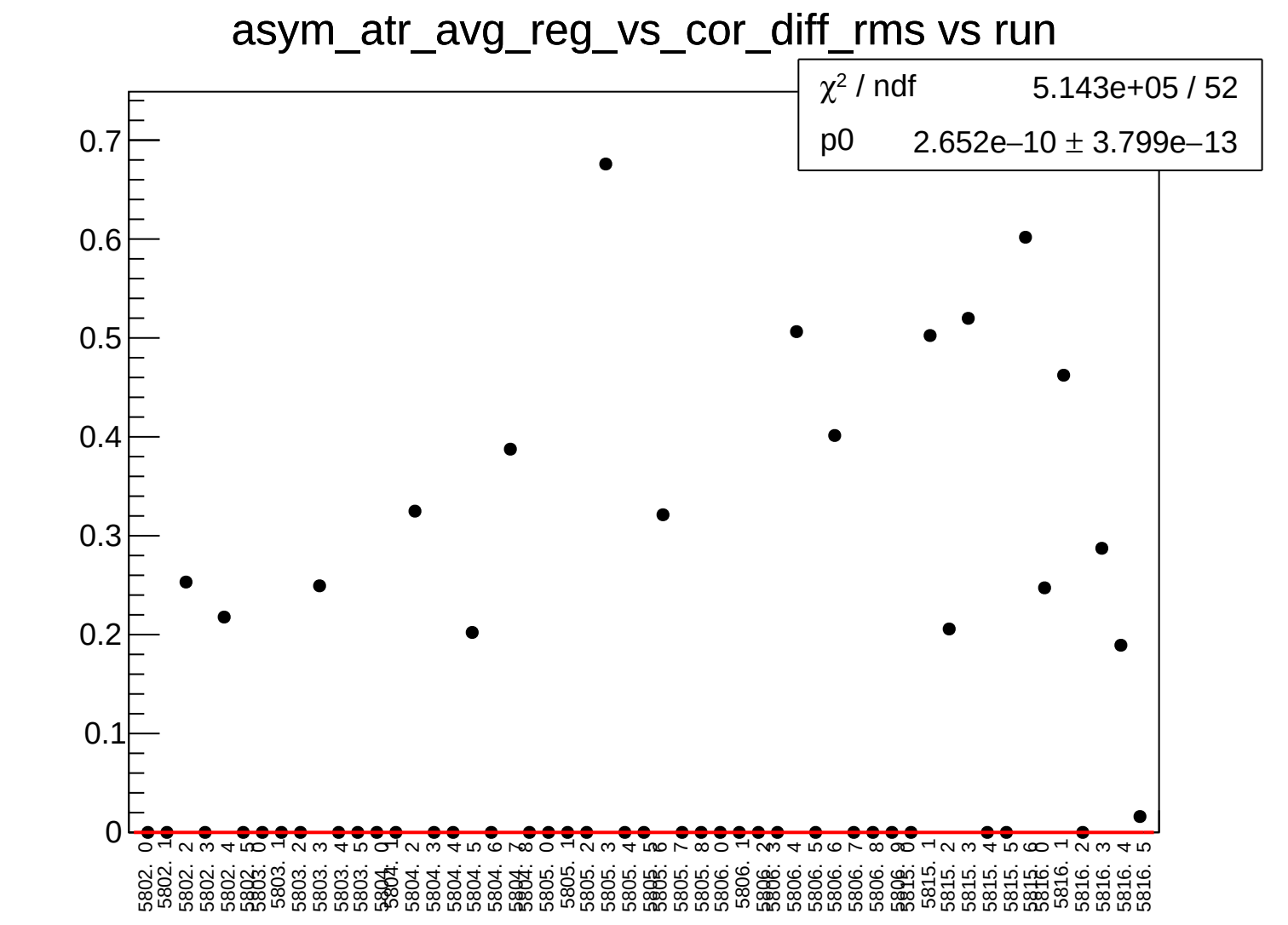

asym_atr_avg_mean vs run
×10^3
χ² / ndf 62.08 / 52
p0 5089 ± 6714
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −61.69
Std Dev 0
2
1
0
−1
−2

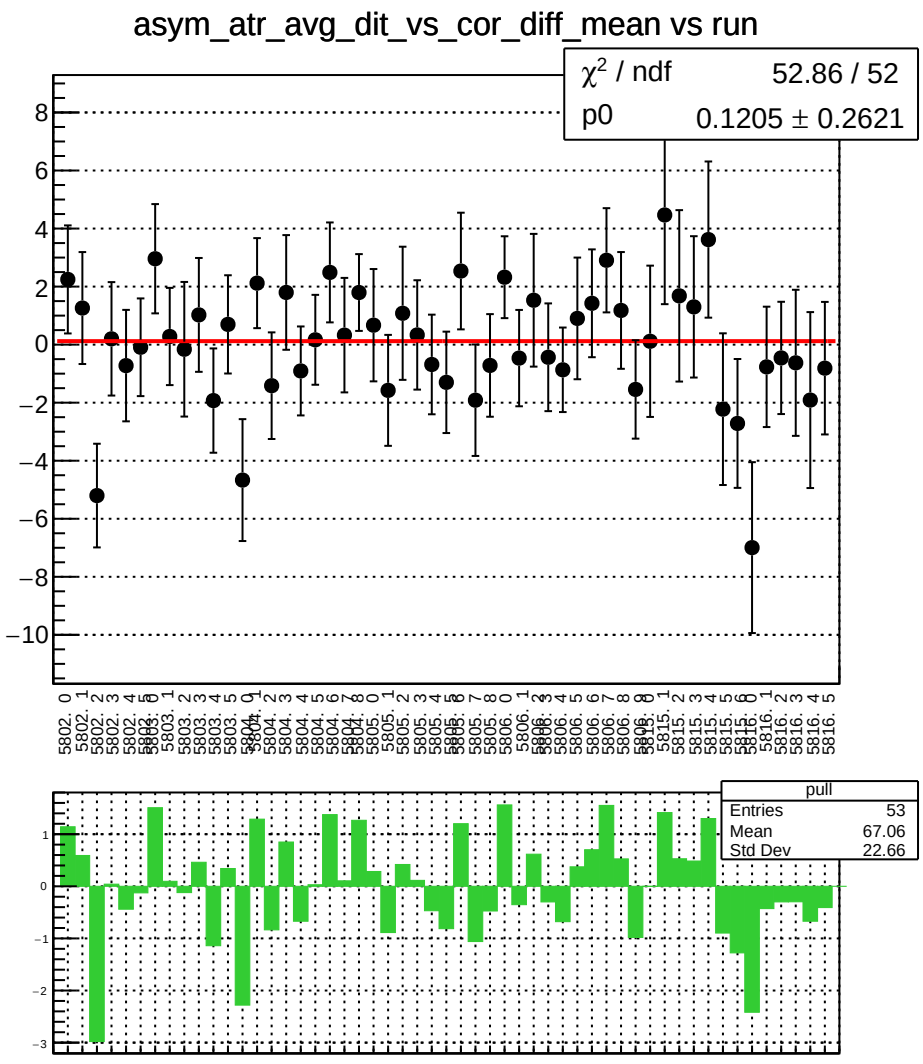

pull1D
Entries 53
Mean −0.02304
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

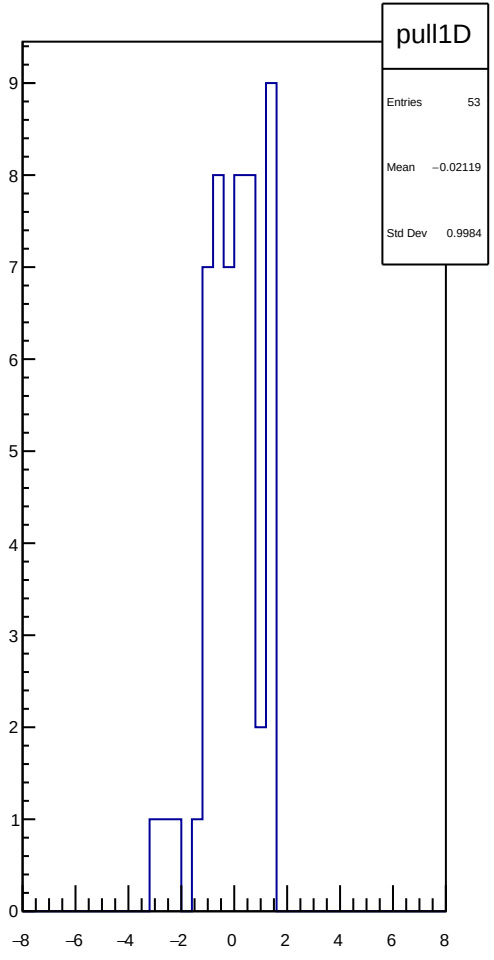

asym_atr_avg_rms vs run
χ² / ndf 2743 / 52
p0 4745 ± 4.748
5800
5600
5400
5200
5000
4800
4600
4400

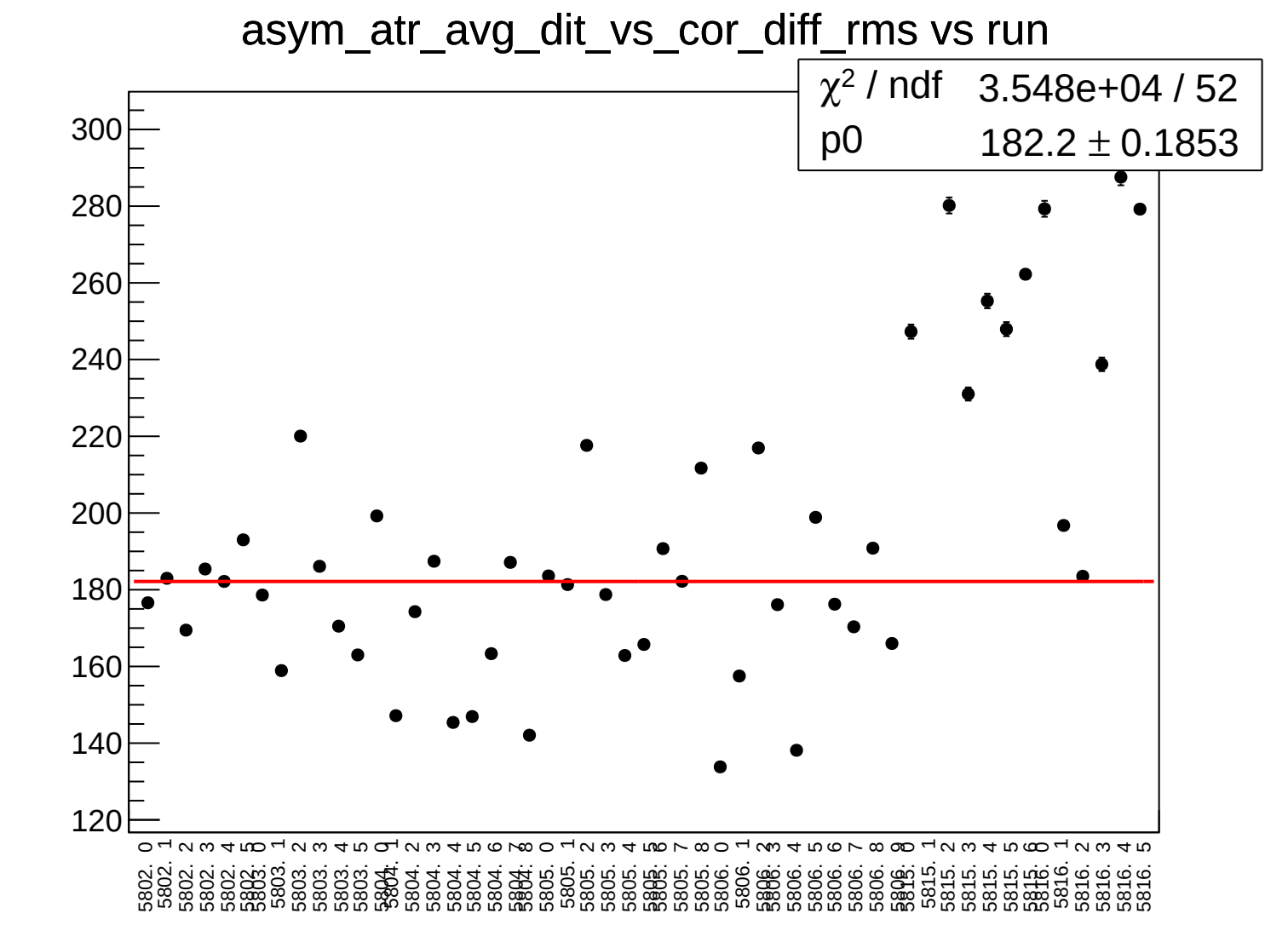

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.75 / 52
p0 −5.476e−14 ± 5.373e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 23.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

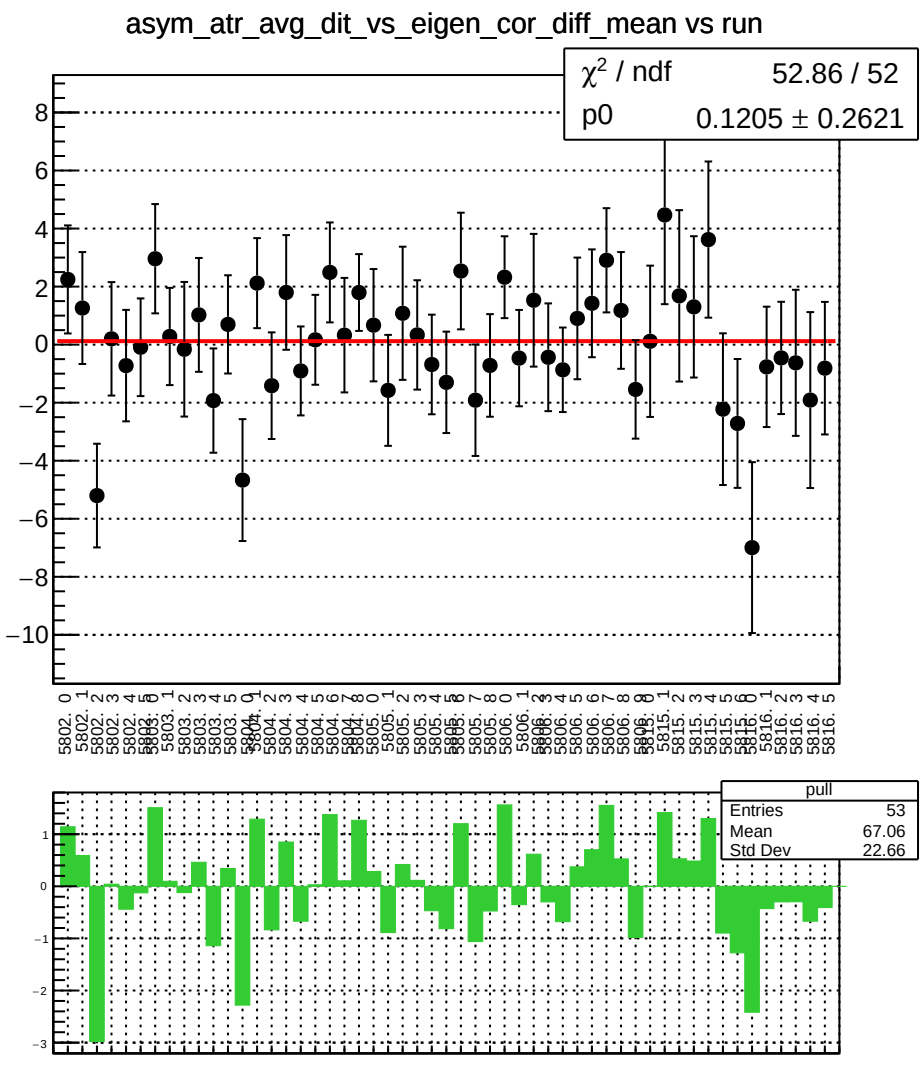

pull1D
Entries 53
Mean 0.02207
Std Dev 0.9186
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

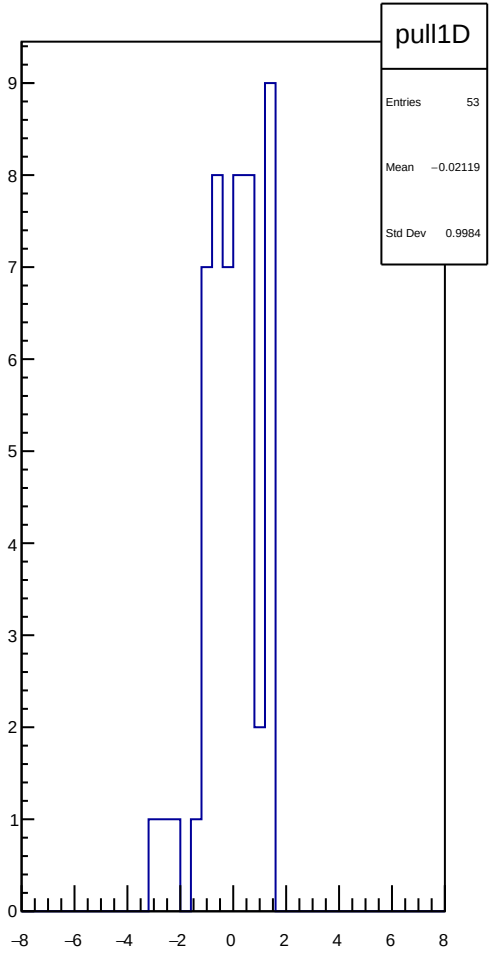

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.143e+05 / 52
p0 2.652e−10 ± 3.799e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

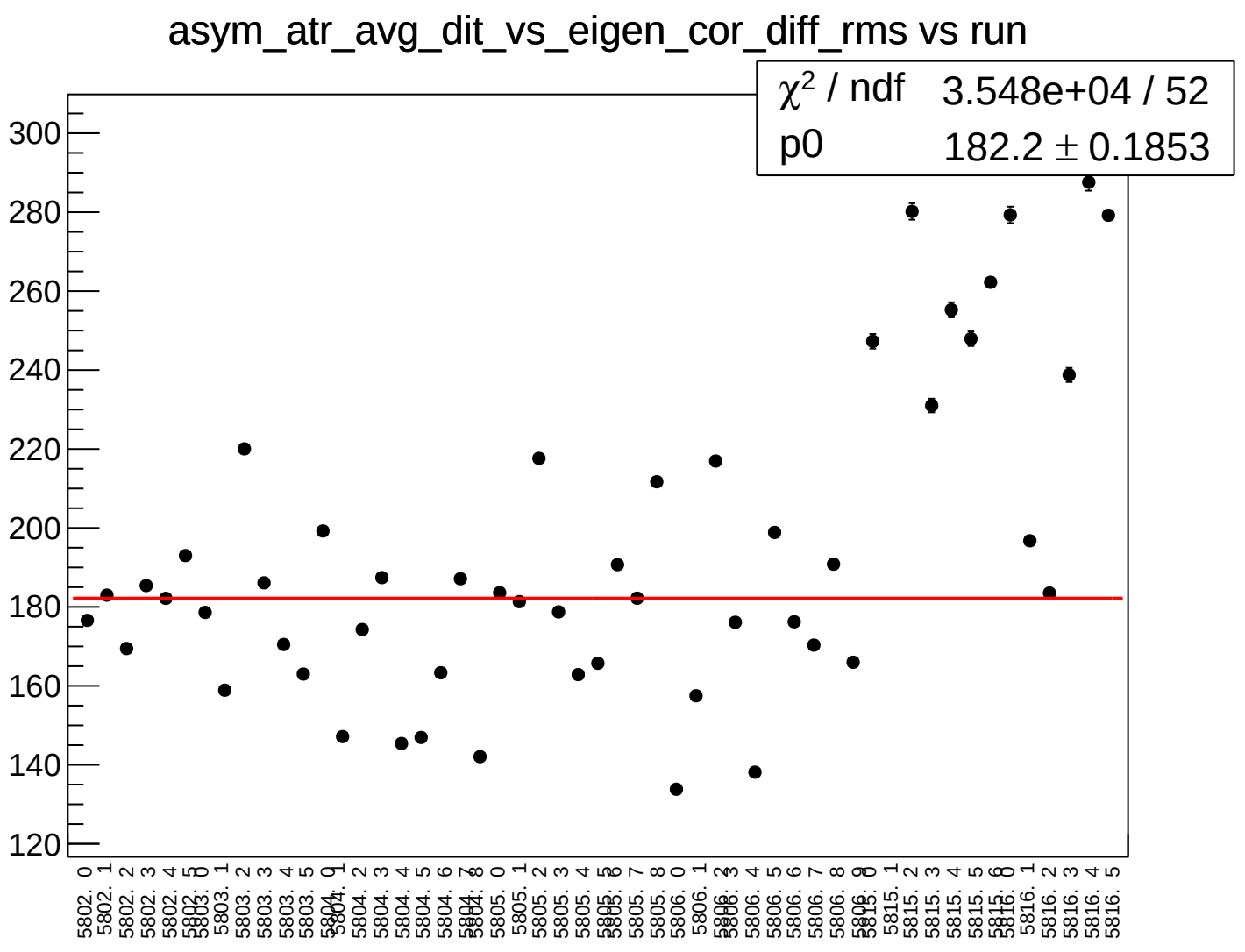

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.86 / 52
p0 0.1205 ± 0.2621
pull
Entries 53
Mean 67.06
Std Dev 22.66

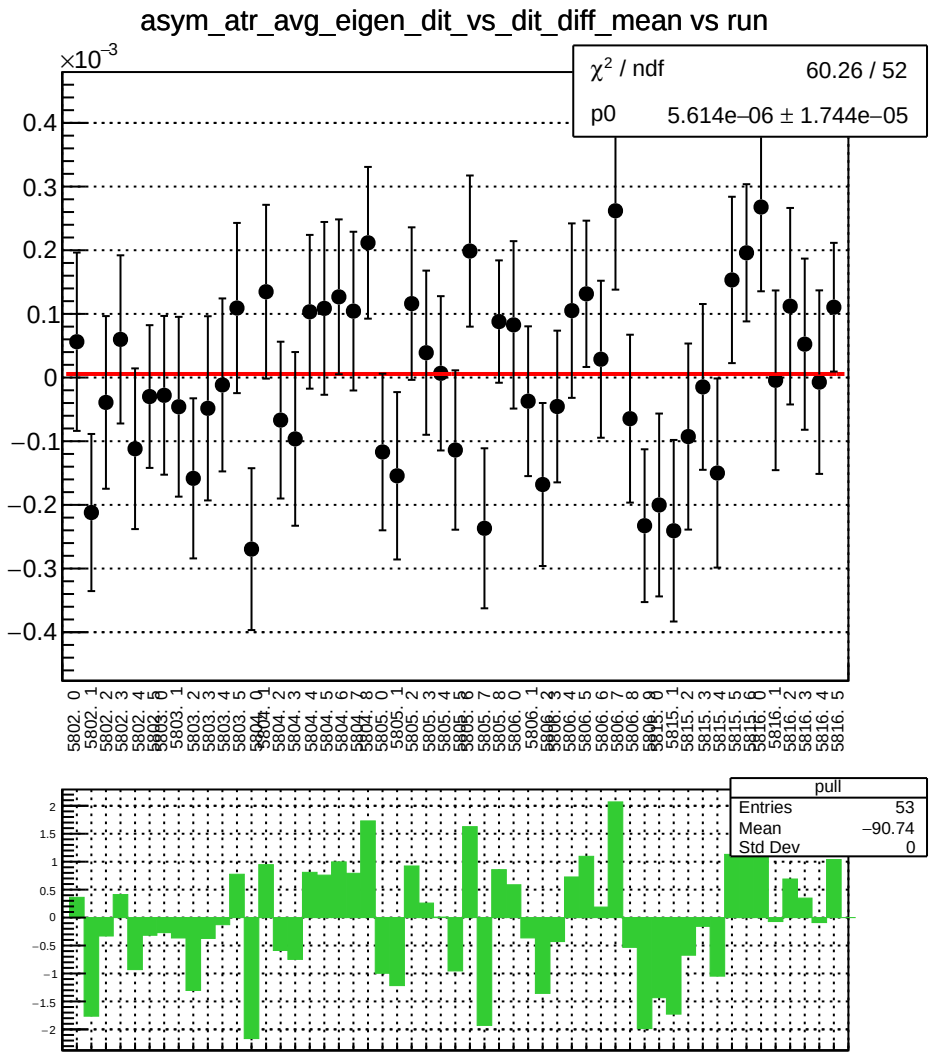

pull1D
Entries 53
Mean −0.02119
Std Dev 0.9984

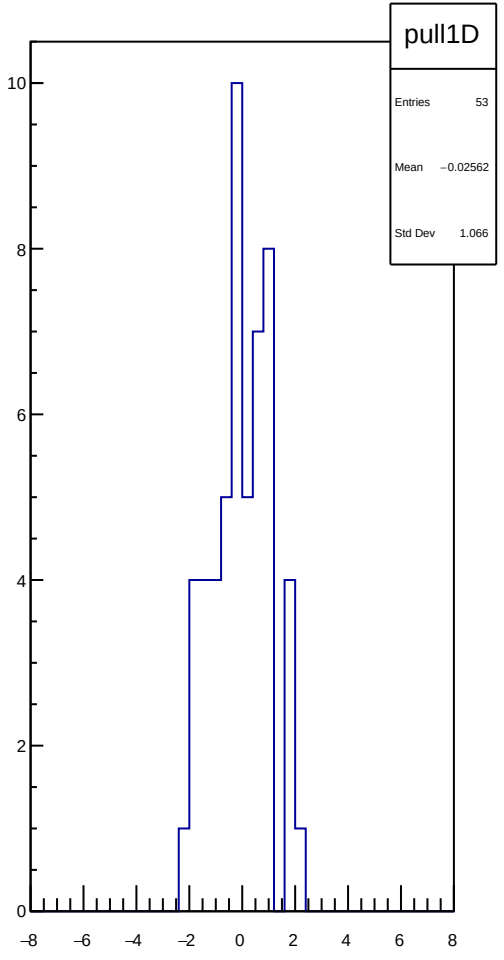

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.548e+04 / 52
p0 182.2 ± 0.1853
300
280
260
240
220
200
180
160
140
120

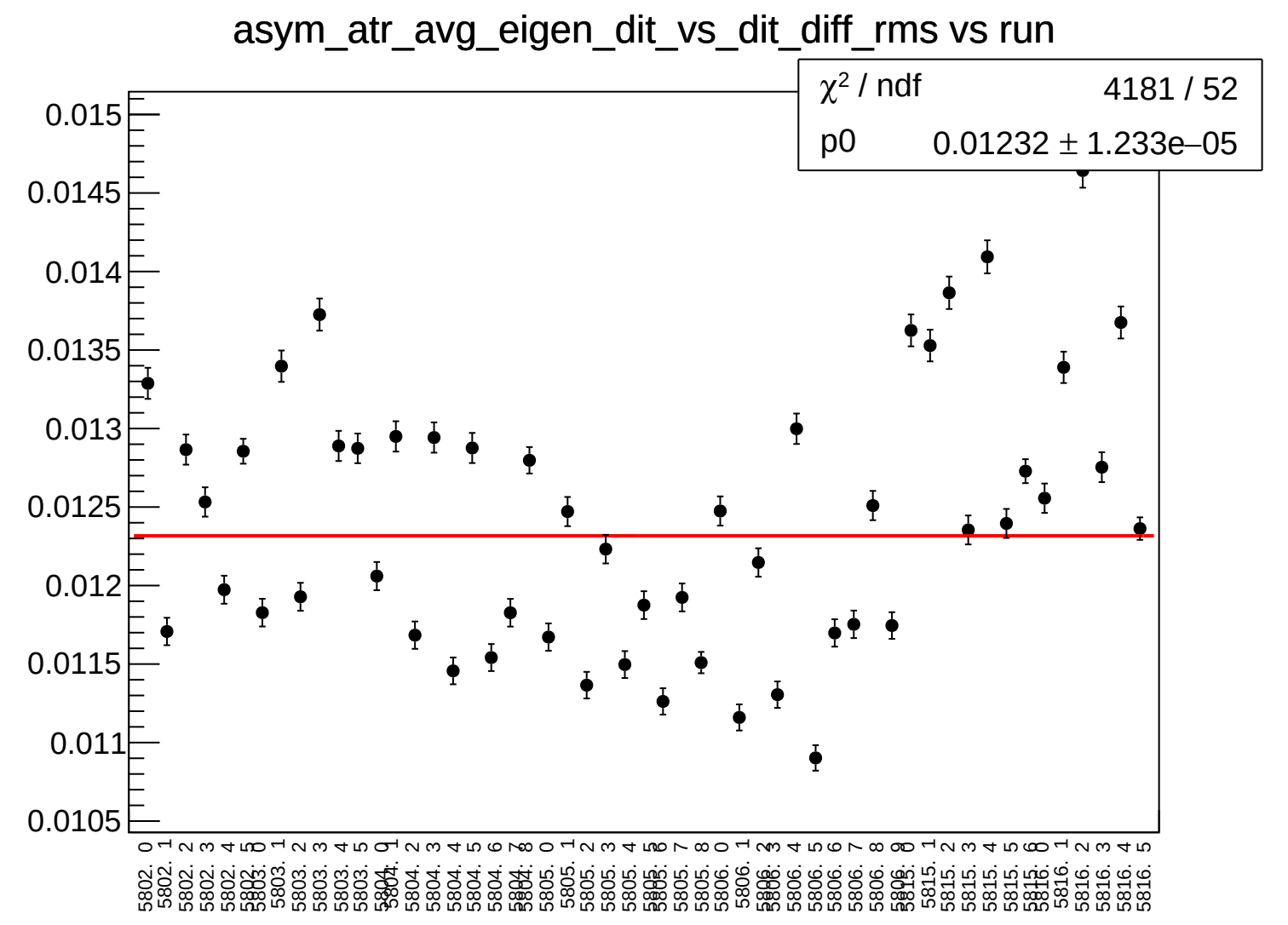

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.86 / 52
p0 0.1205 ± 0.2621
pull
Entries 53
Mean 67.06
Std Dev 22.66

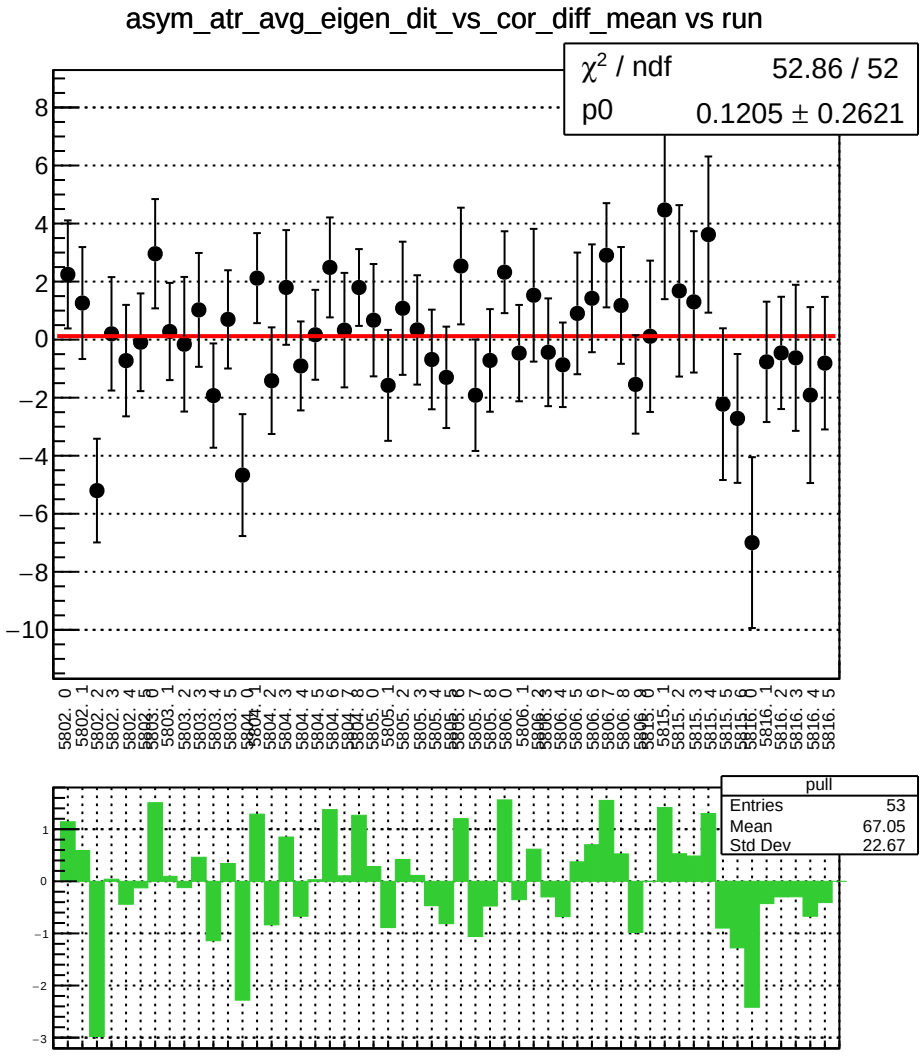

pull1D
Entries 53
Mean −0.02119
Std Dev 0.9984

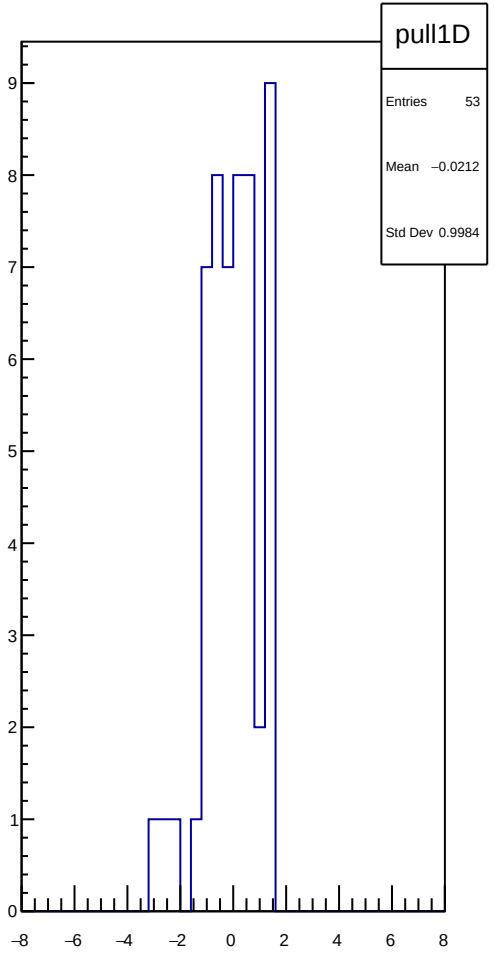

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.548e+04 / 52
p0 182.2 ± 0.1853
300
280
260
240
220
200
180
160
140
120

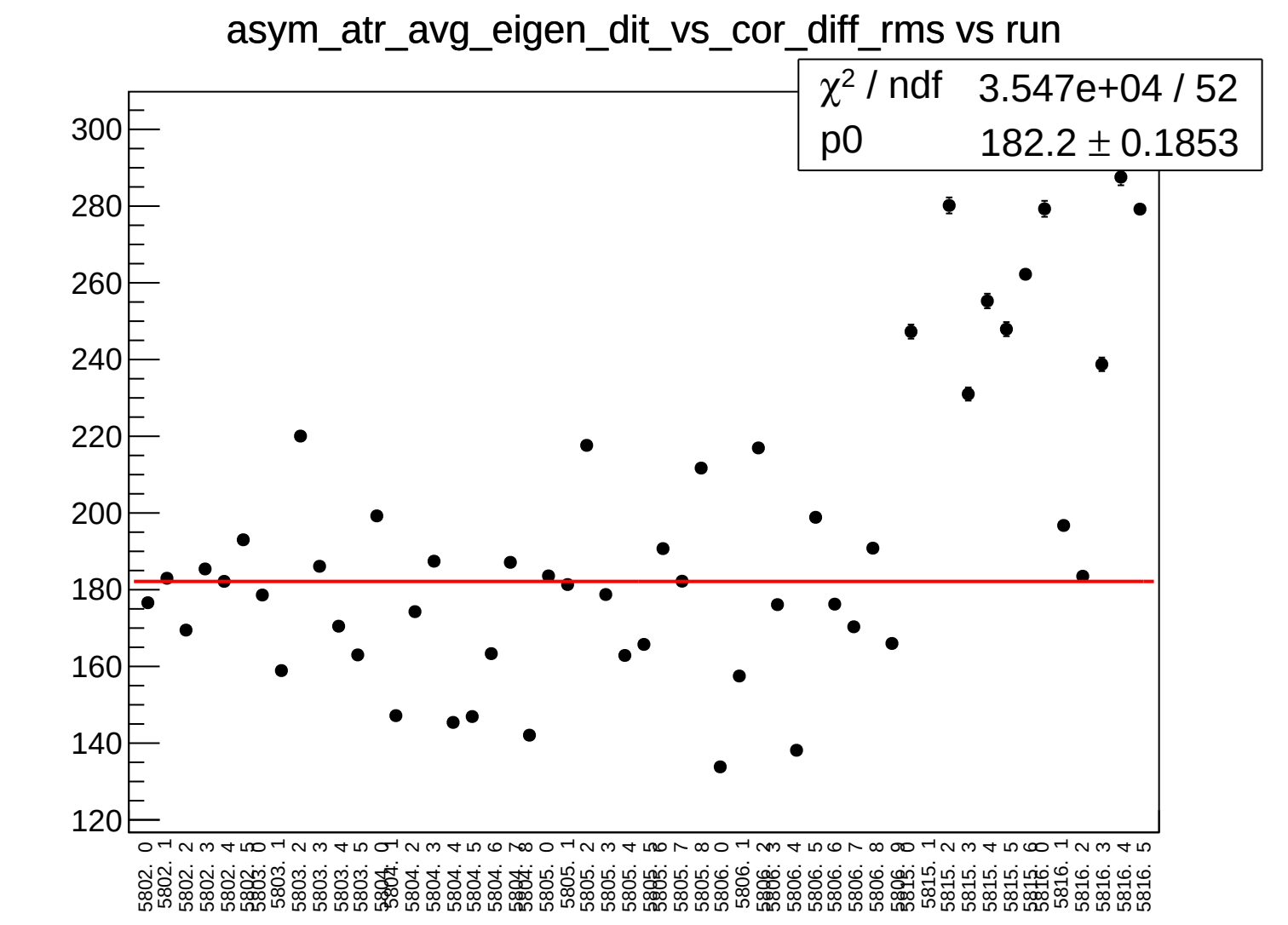

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.26 / 52
p0 5.614e−06 ± 1.744e−05
pull
Entries 53
Mean −90.74
Std Dev 0

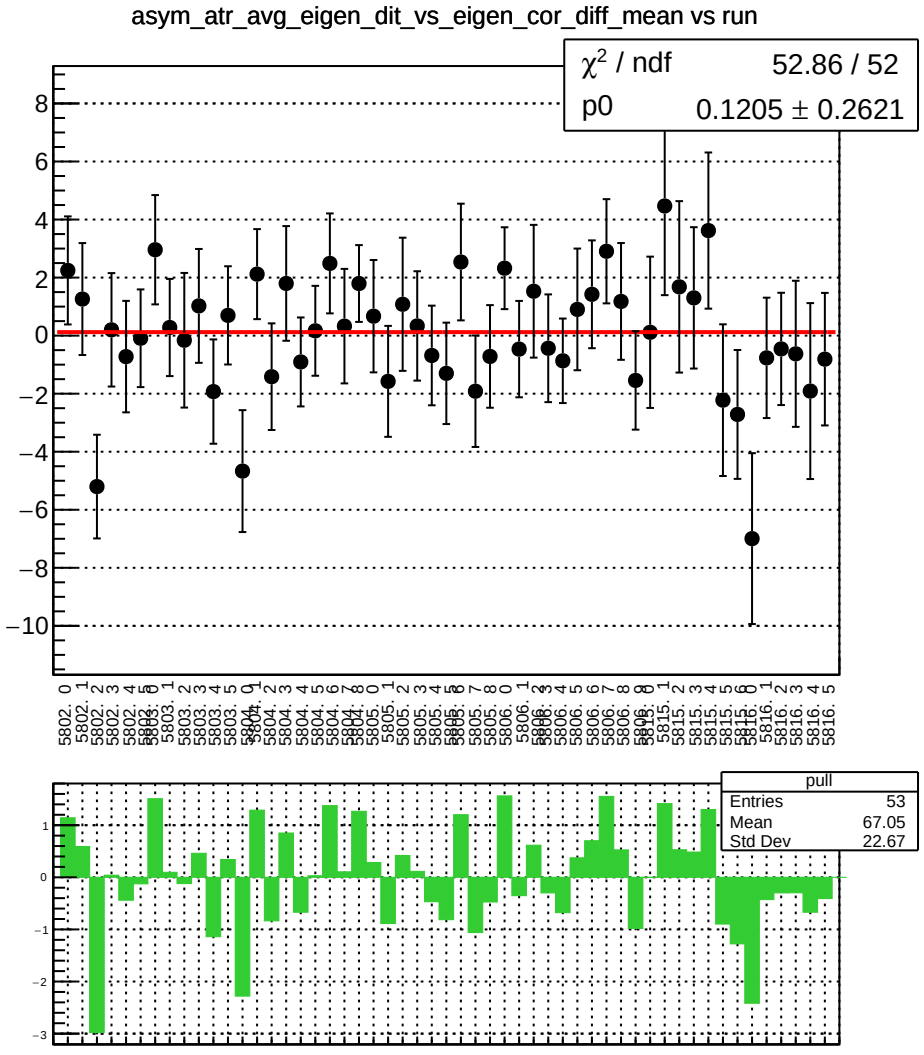

pull1D
Entries 53
Mean −0.02562
Std Dev 1.066

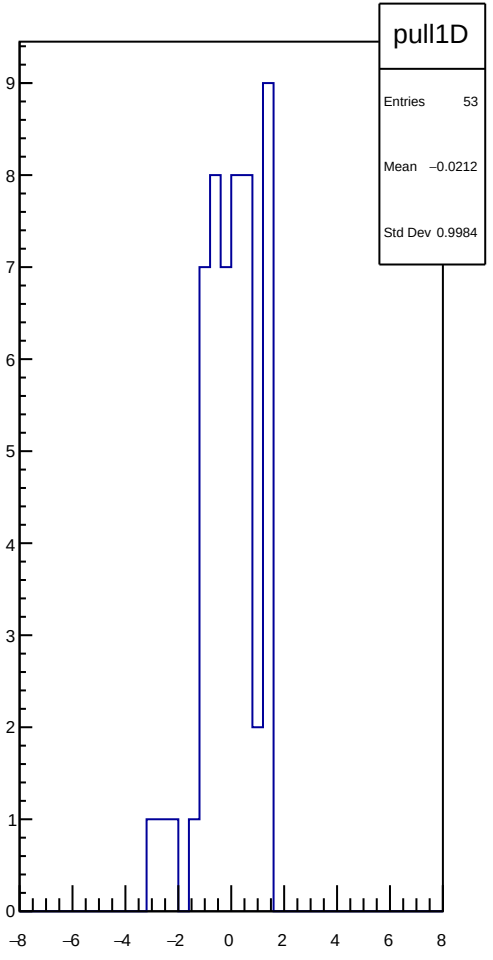

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4181 / 52
p0 0.01232 ± 1.233e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105

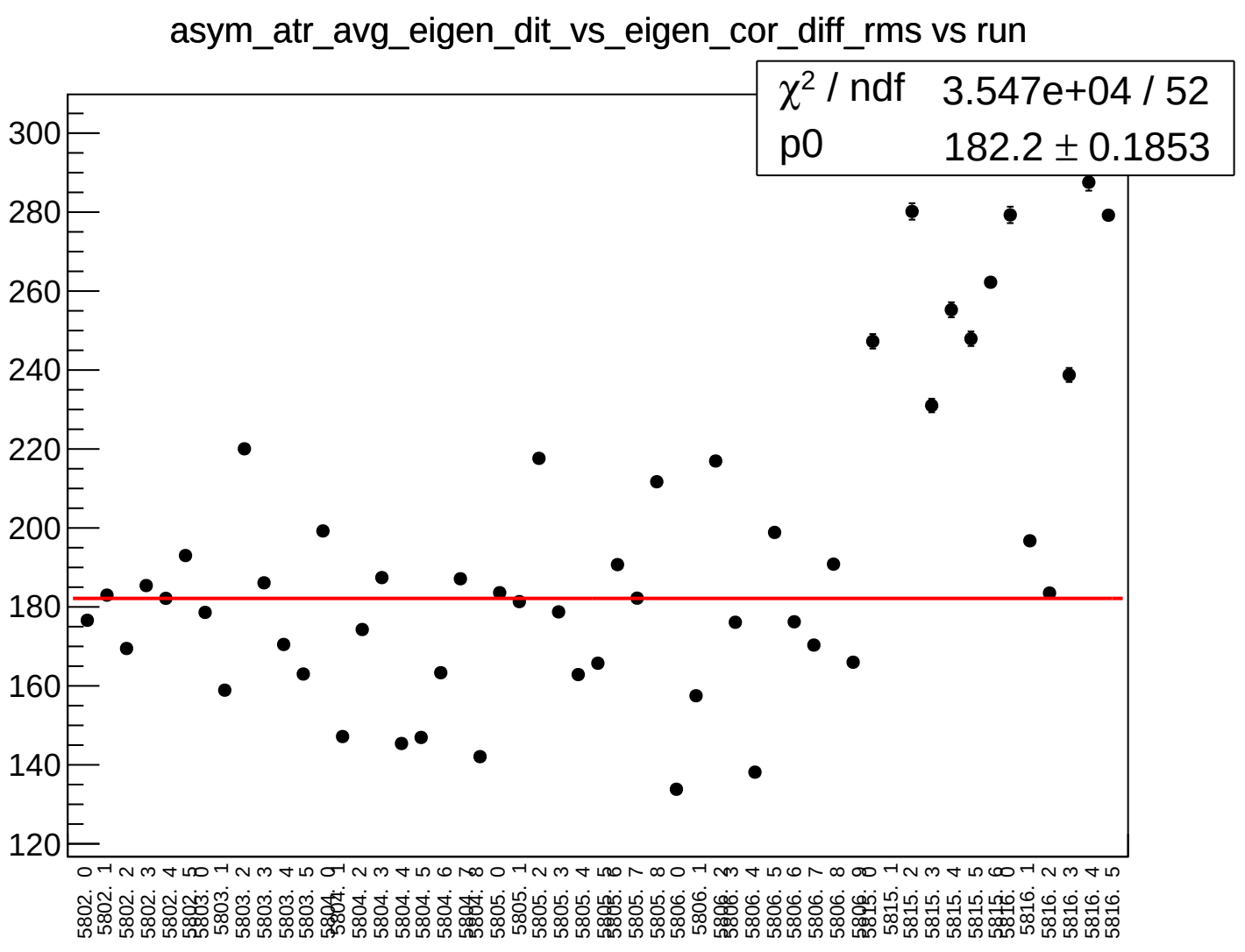

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.86 / 52
p0 0.1205 ± 0.2621
pull
Entries 53
Mean 67.05
Std Dev 22.67

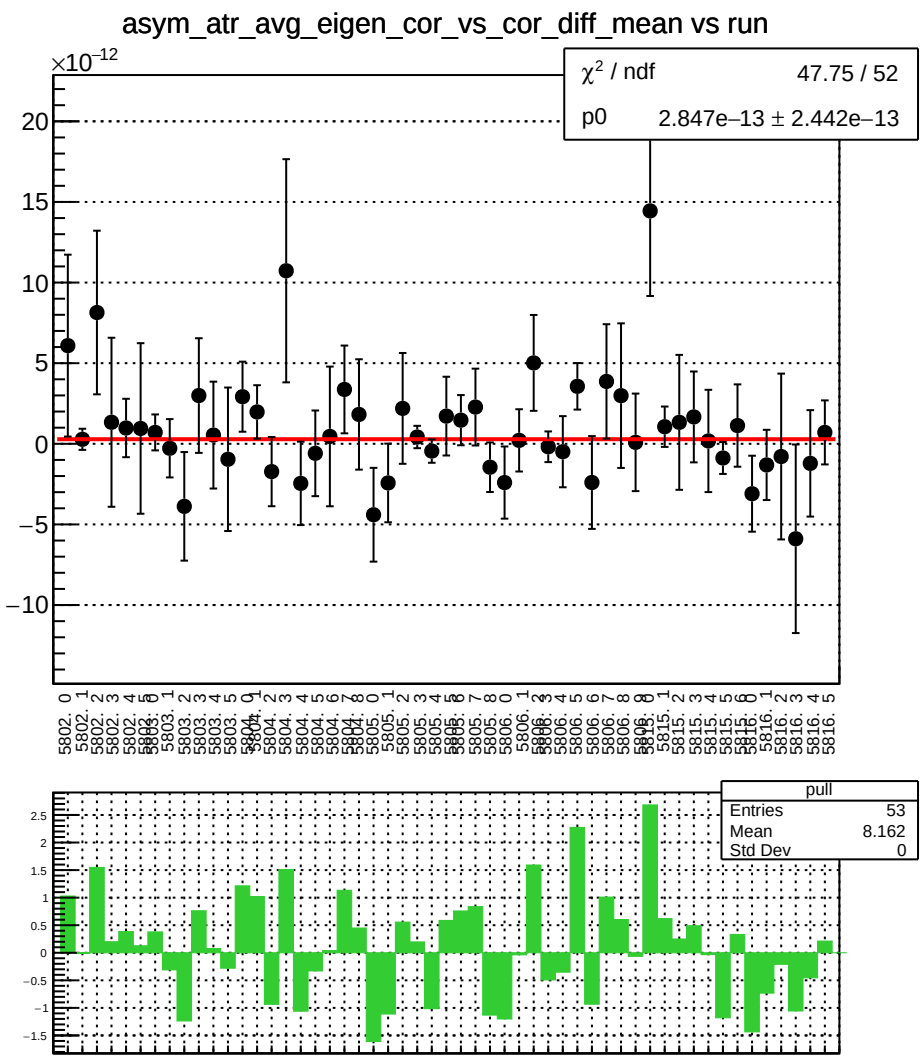

pull1D
Entries 53
Mean −0.0212
Std Dev 0.9984

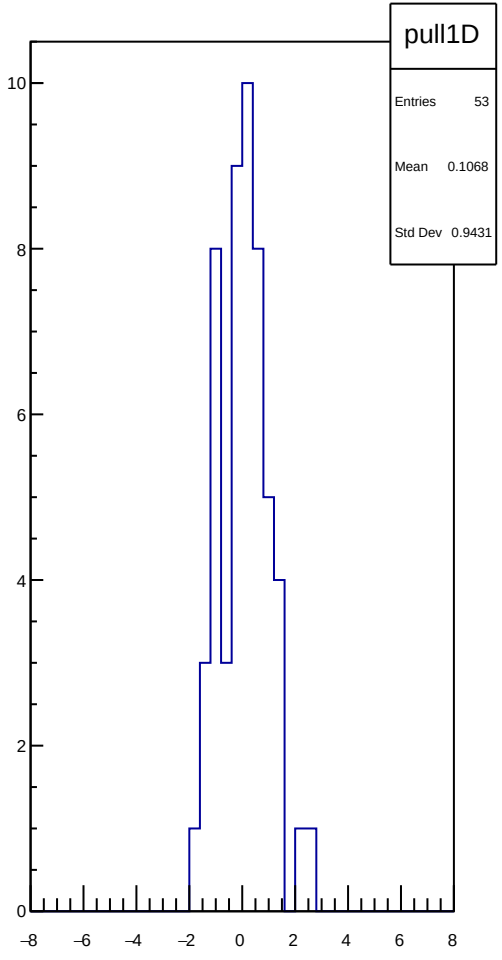

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.547e+04 / 52
p0 182.2 ± 0.1853
300
280
260
240
220
200
180
160
140
120

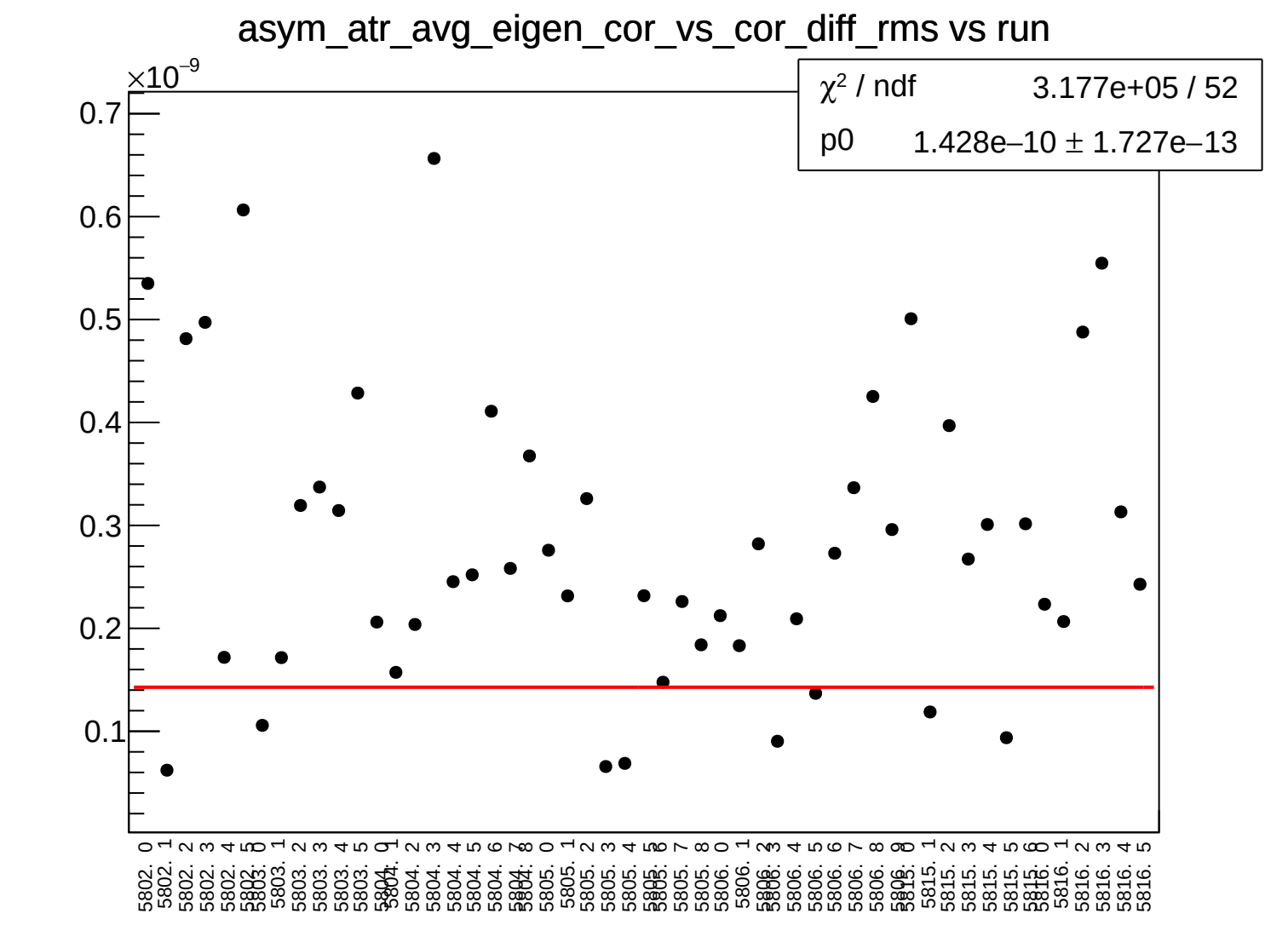

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.86 / 52
p0 0.1205 ± 0.2621
pull
Entries 53
Mean 67.05
Std Dev 22.67

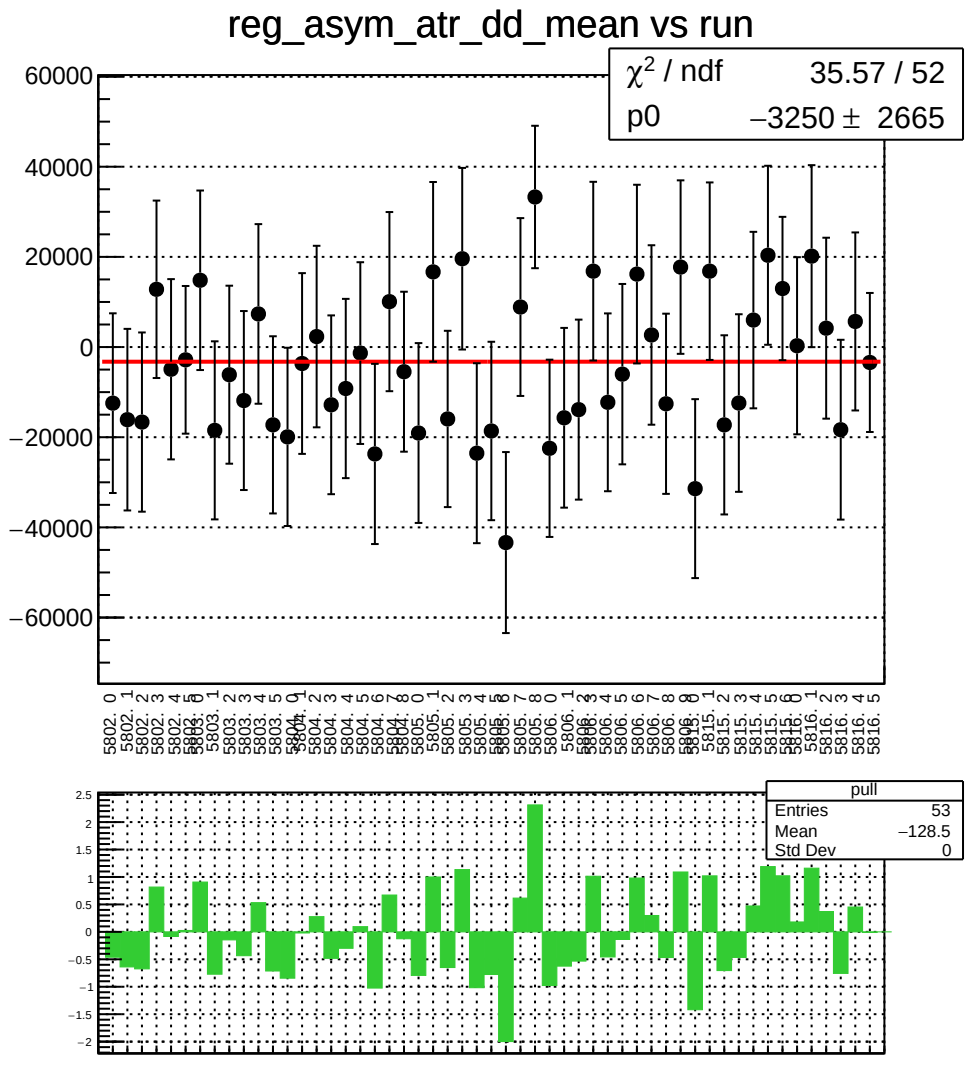

pull1D
Entries 53
Mean −0.0212
Std Dev 0.9984

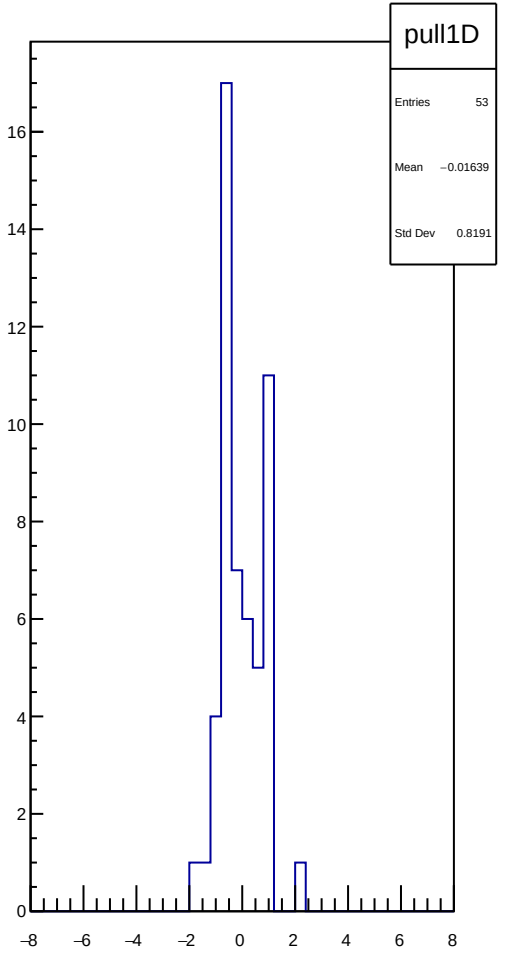

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.547e+04 / 52
p0 182.2 ± 0.1853
300
280
260
240
220
200
180
160
140
120

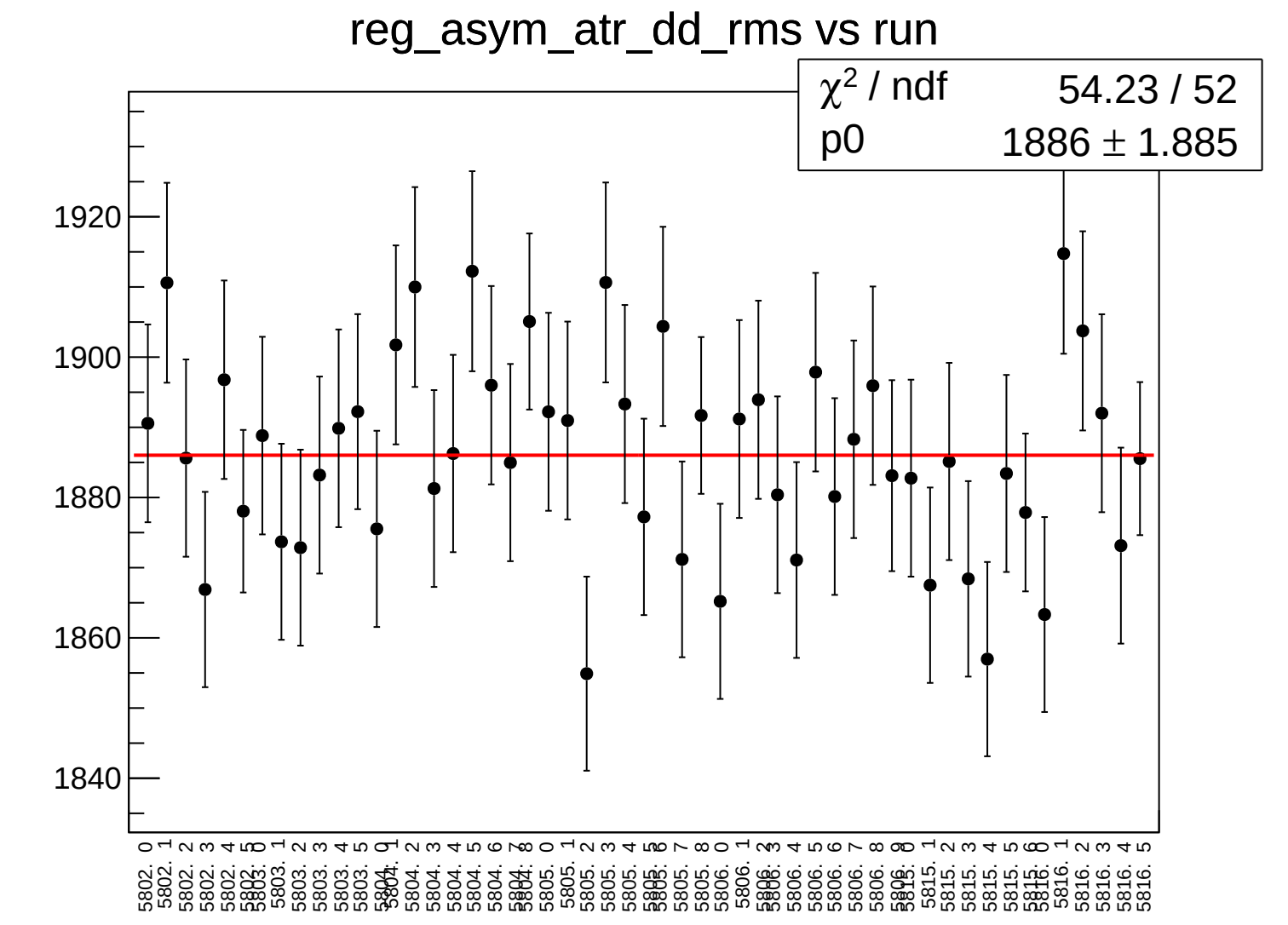

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.75 / 52
p0 2.847e−13 ± 2.442e−13
pull
Entries 53
Mean 8.162
Std Dev 0

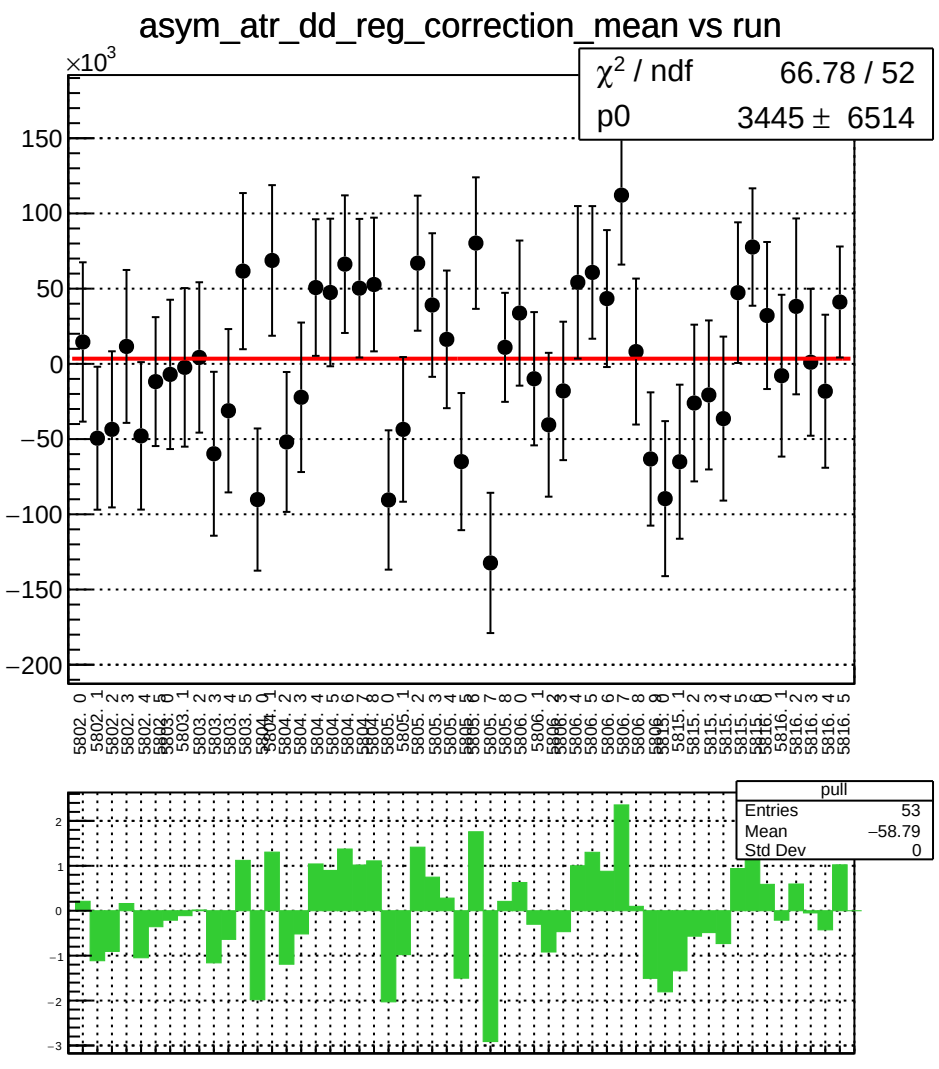

pull1D
Entries 53
Mean 0.1068
Std Dev 0.9431

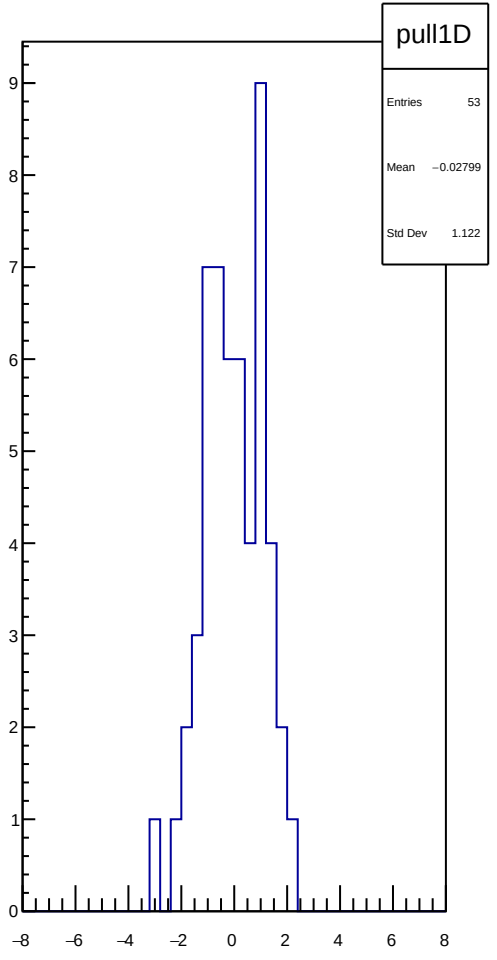

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.177e+05 / 52
p0 1.428e−10 ± 1.727e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

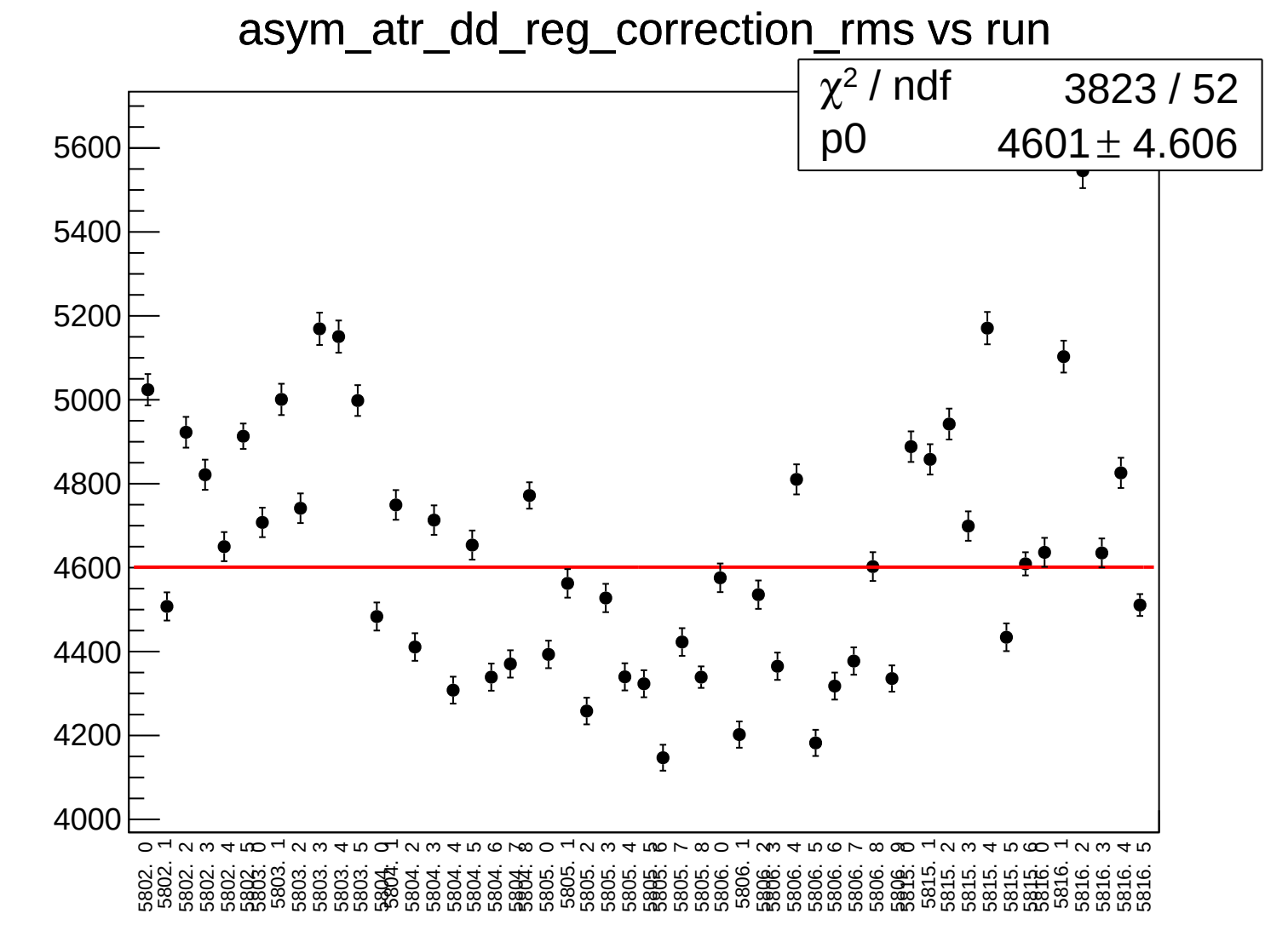

reg_asym_atr_dd_mean vs run
χ² / ndf 35.57 / 52
p0 −3250 ± 2665
pull
Entries 53
Mean −128.5
Std Dev 0

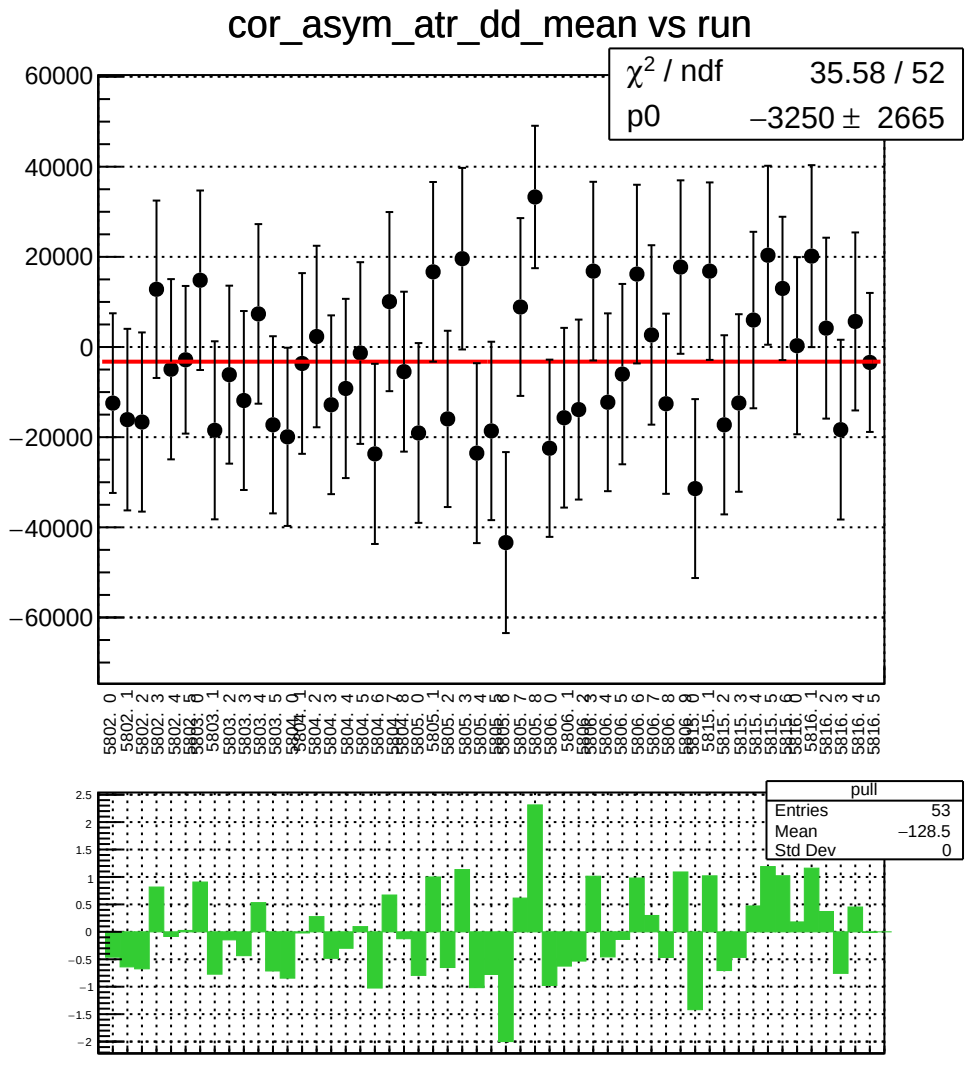

pull1D
Entries 53
Mean −0.01639
Std Dev 0.8191

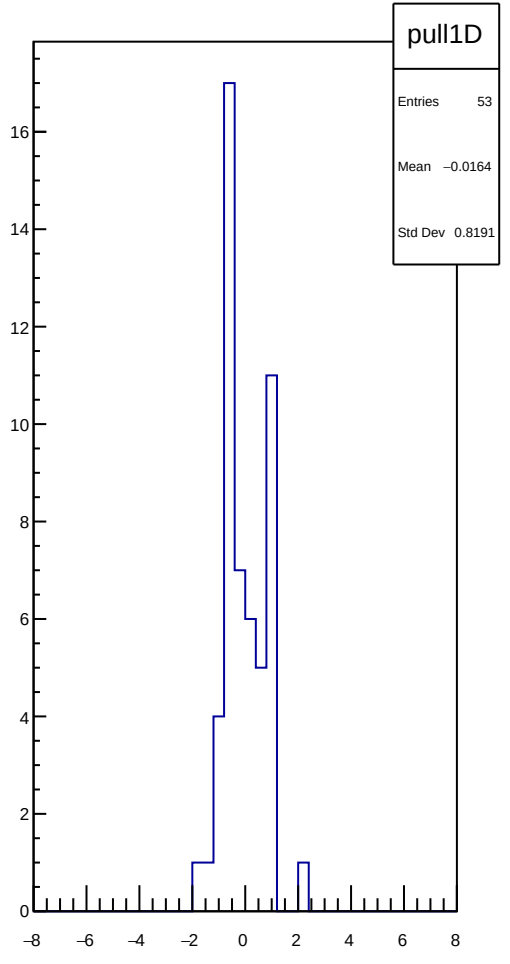

reg_asym_atr_dd_rms vs run
χ² / ndf 54.23 / 52
p0 1886 ± 1.885
1920
1900
1880
1860
1840

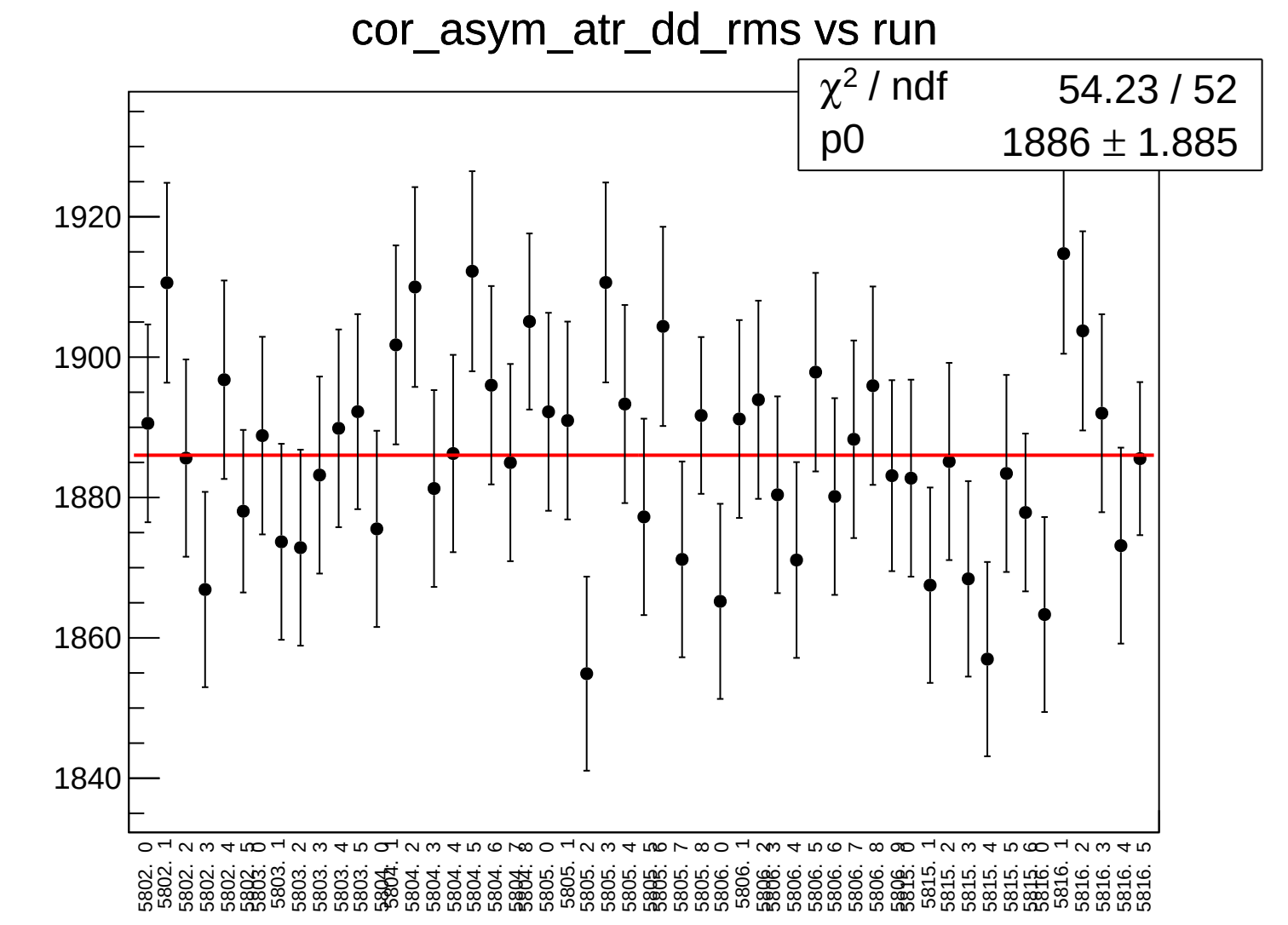

asym_atr_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 66.78 / 52
p0 3445 ± 6514
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −58.79
Std Dev 0
2
1
0
−1
−2
−3

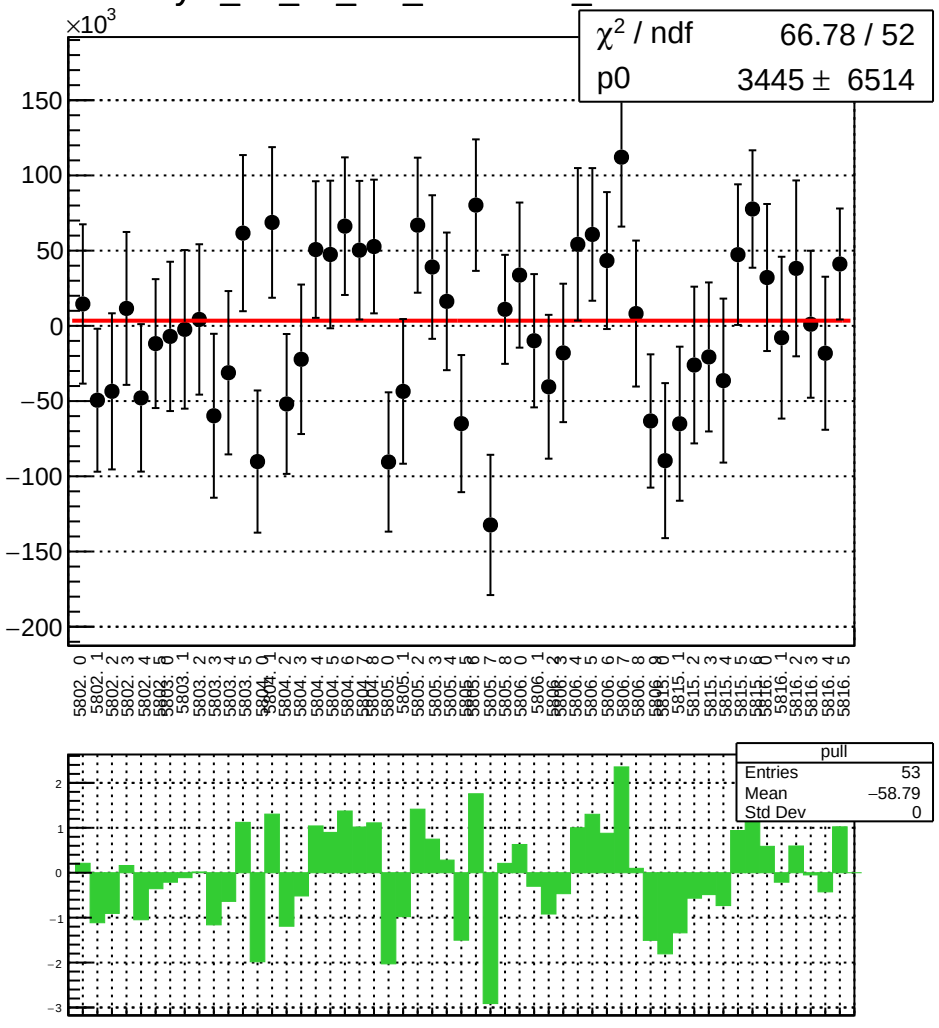

pull1D
Entries 53
Mean −0.02799
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

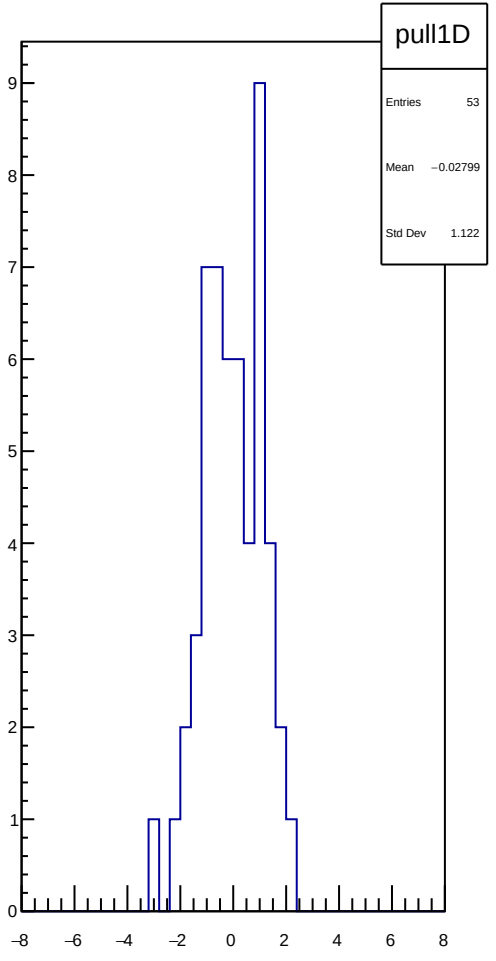

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 3823 / 52
p0 4601 ± 4.606
5600
5400
5200
5000
4800
4600
4400
4200
4000

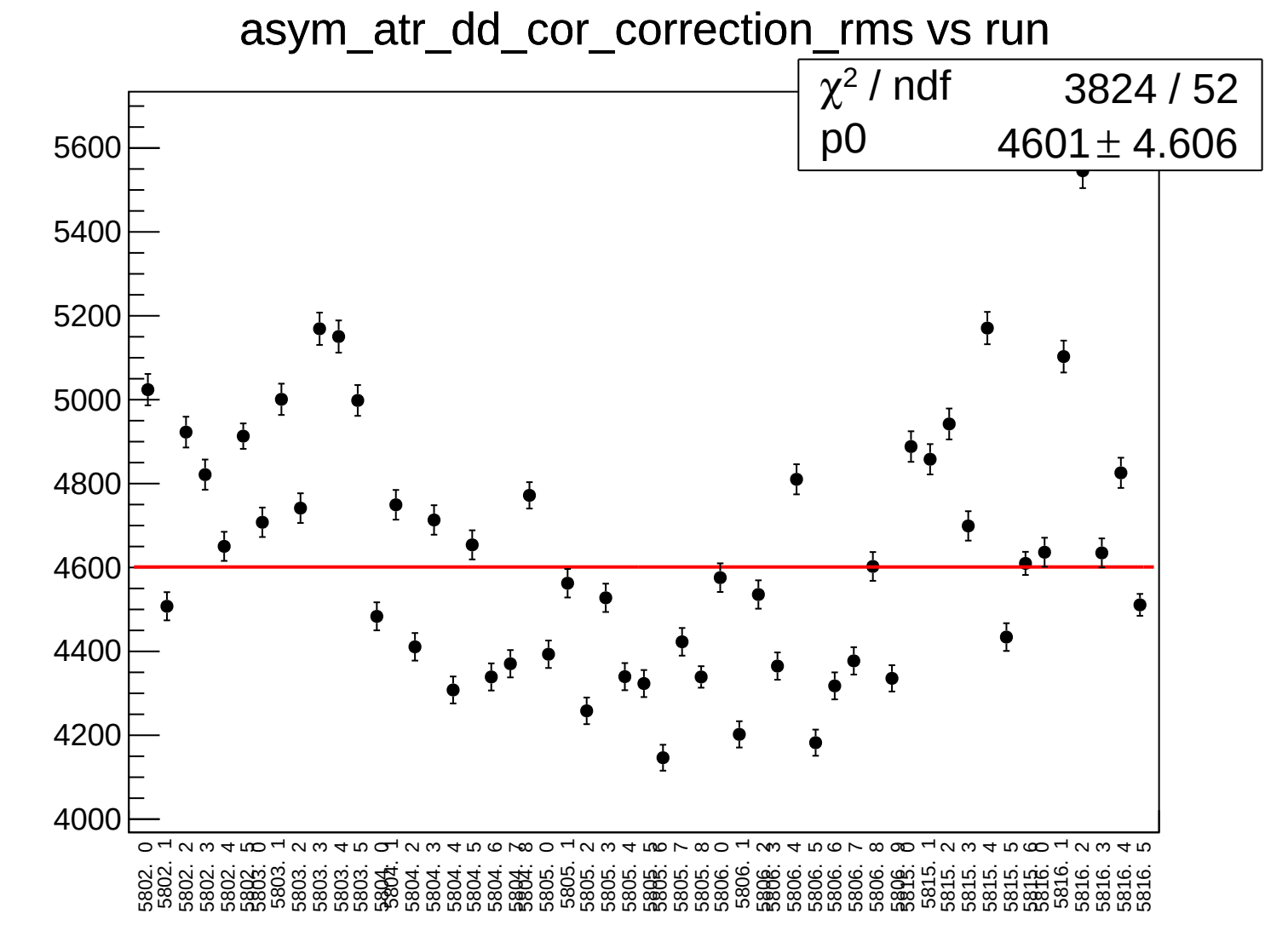

cor_asym_atr_dd_mean vs run
χ² / ndf 35.58 / 52
p0 −3250 ± 2665
pull
Entries 53
Mean −128.5
Std Dev 0

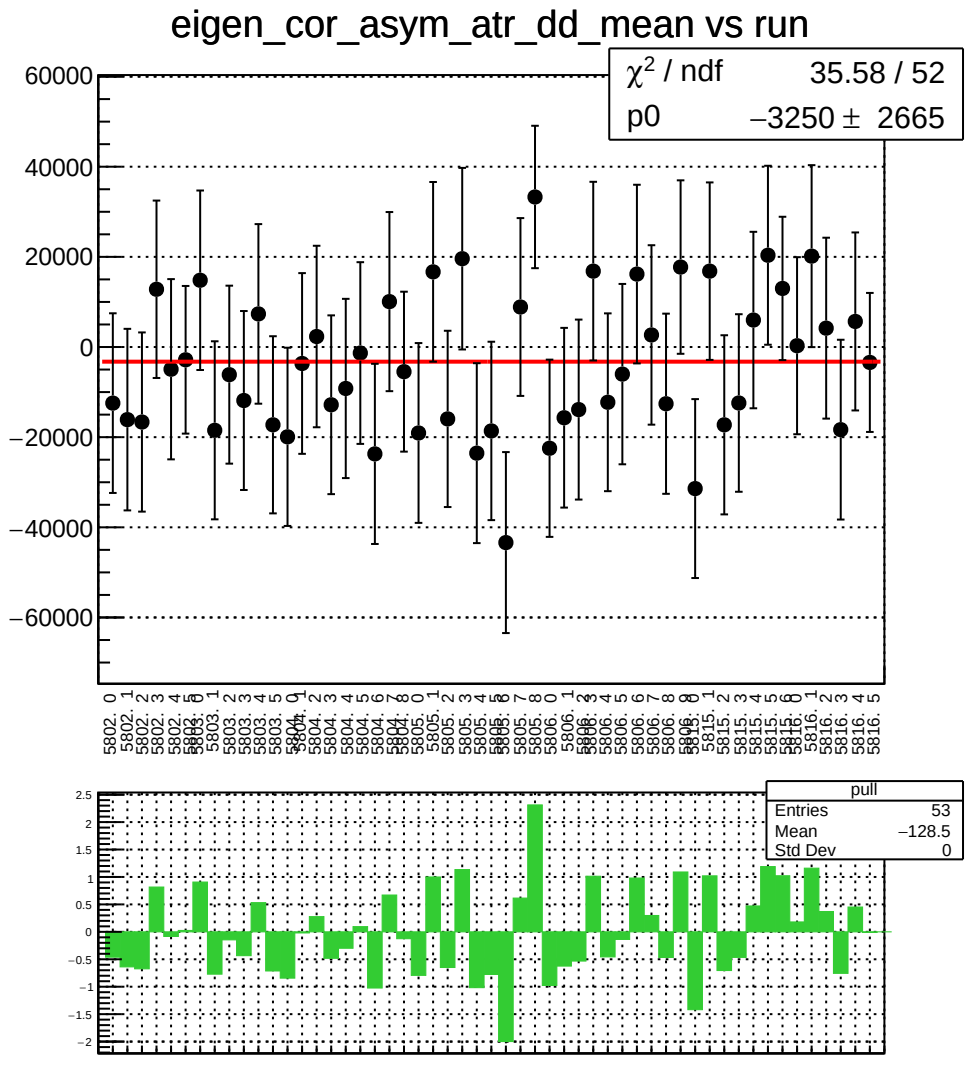

pull1D
Entries 53
Mean −0.0164
Std Dev 0.8191

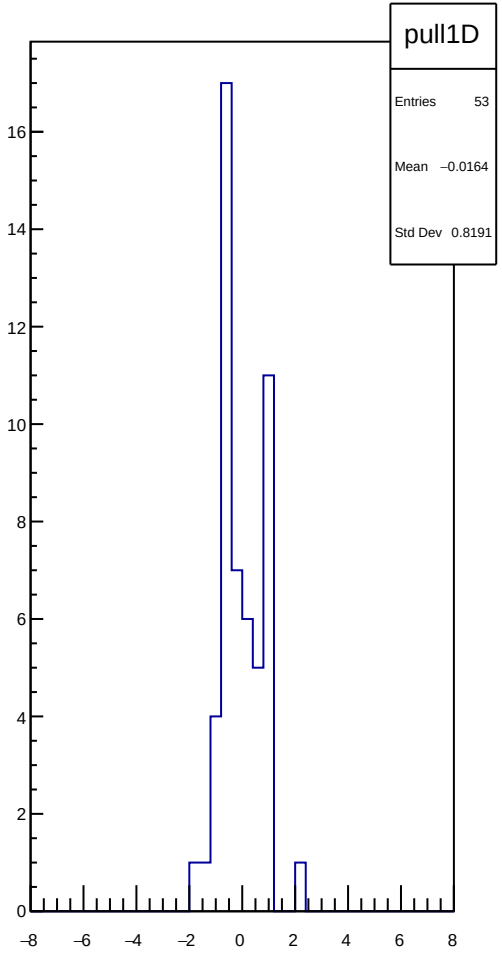

cor_asym_atr_dd_rms vs run
χ² / ndf 54.23 / 52
p0 1886 ± 1.885
1920
1900
1880
1860
1840

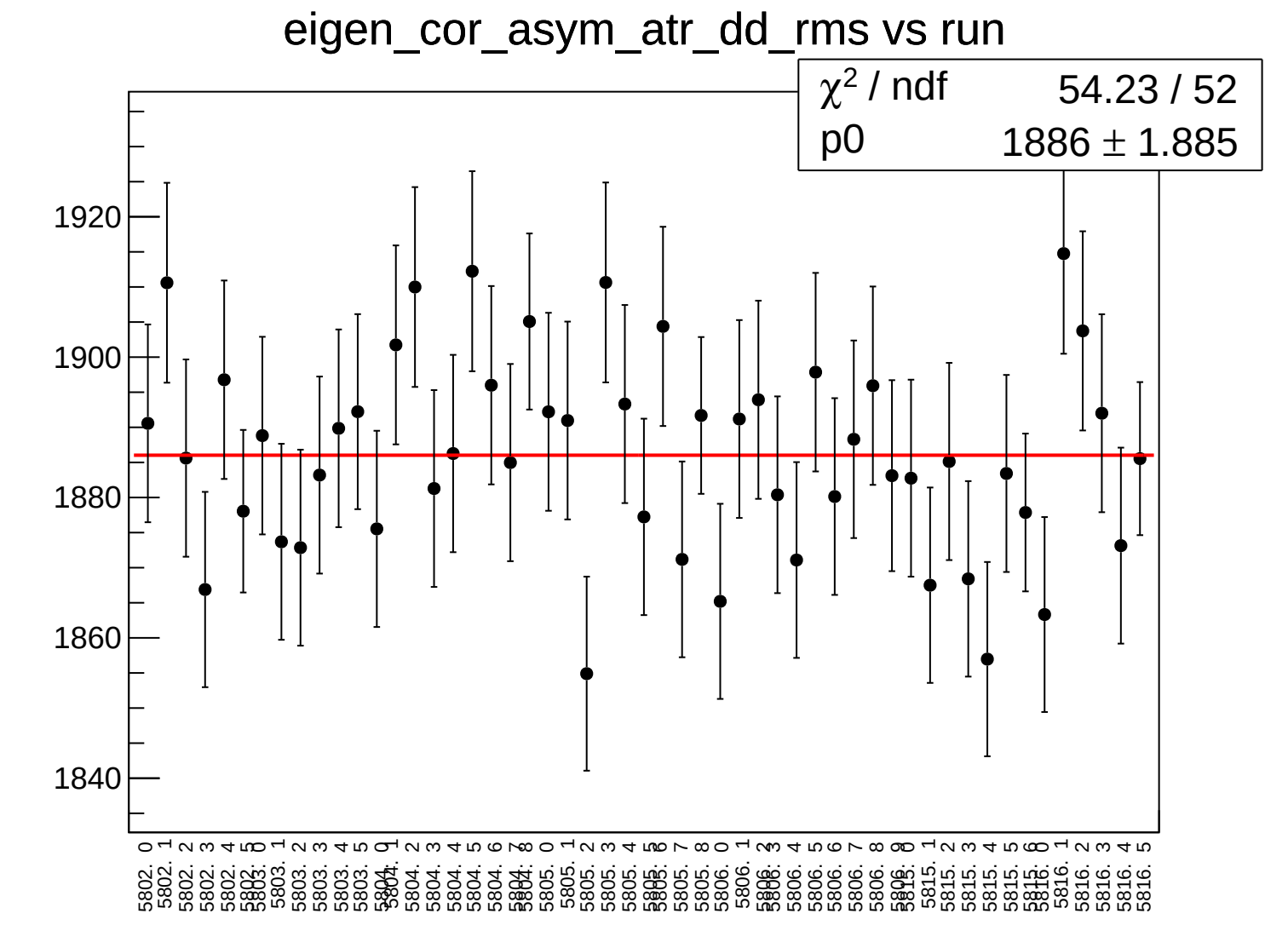

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 66.78 / 52
p0 3445 ± 6514
×10³
pull
Entries 53
Mean −58.79
Std Dev 0

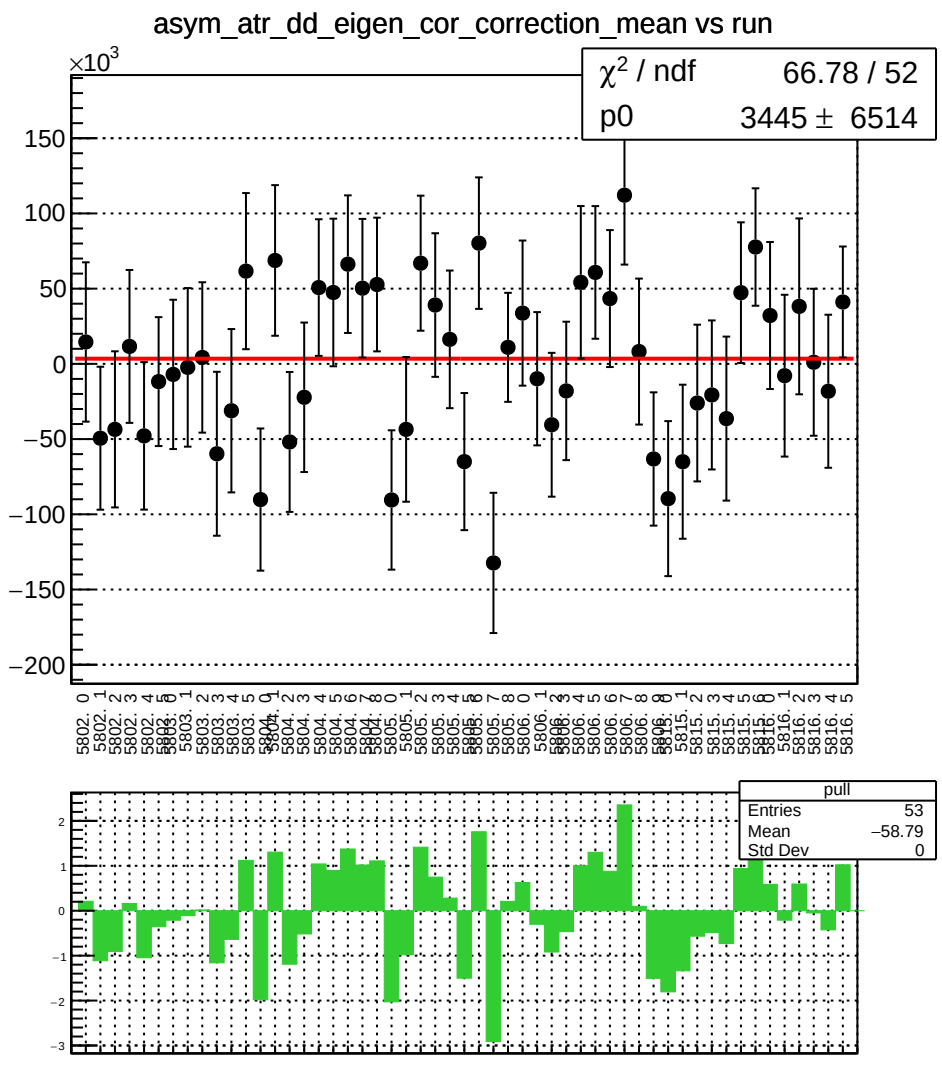

pull1D
Entries 53
Mean −0.02799
Std Dev 1.122

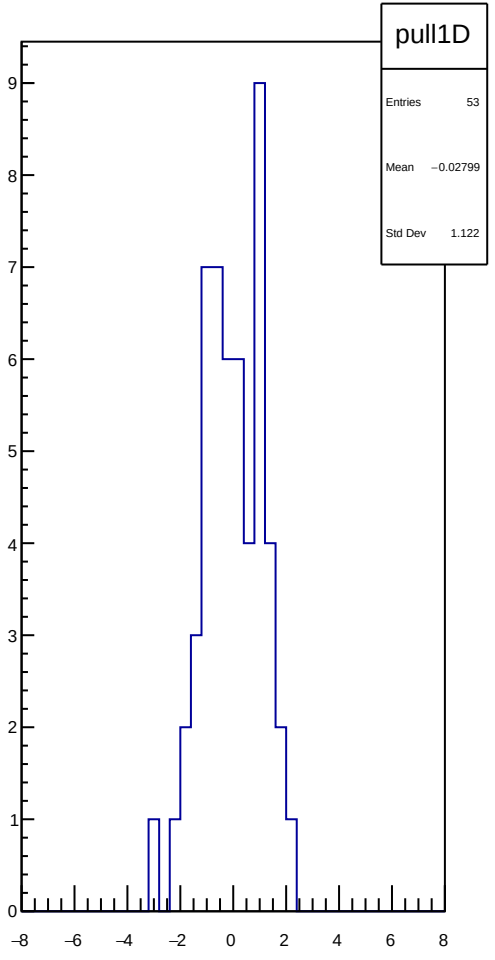

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 3824 / 52
p0 4601 ± 4.606
5600
5400
5200
5000
4800
4600
4400
4200
4000

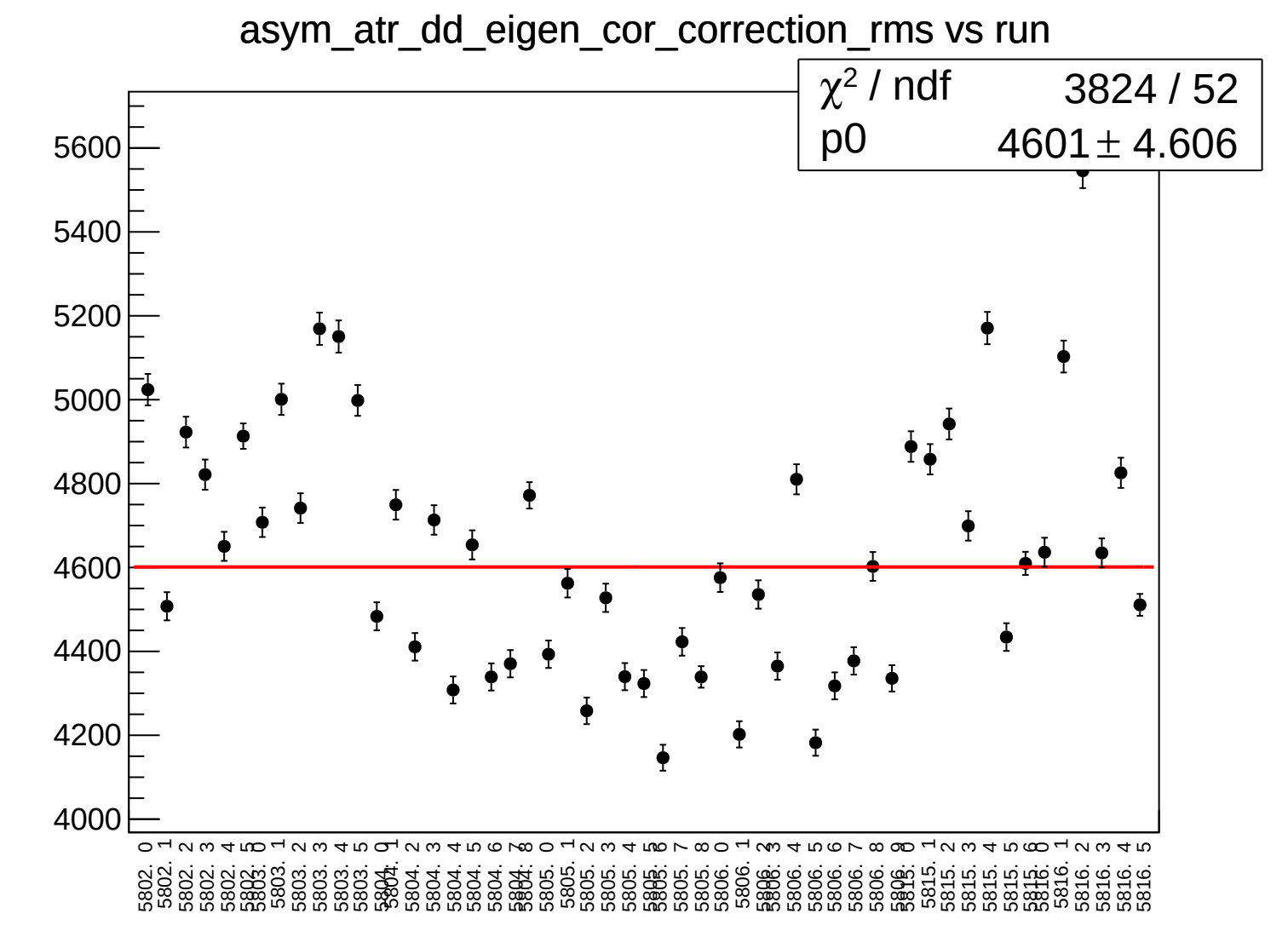

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 35.58 / 52
p0 −3250 ± 2665
pull
Entries 53
Mean −128.5
Std Dev 0

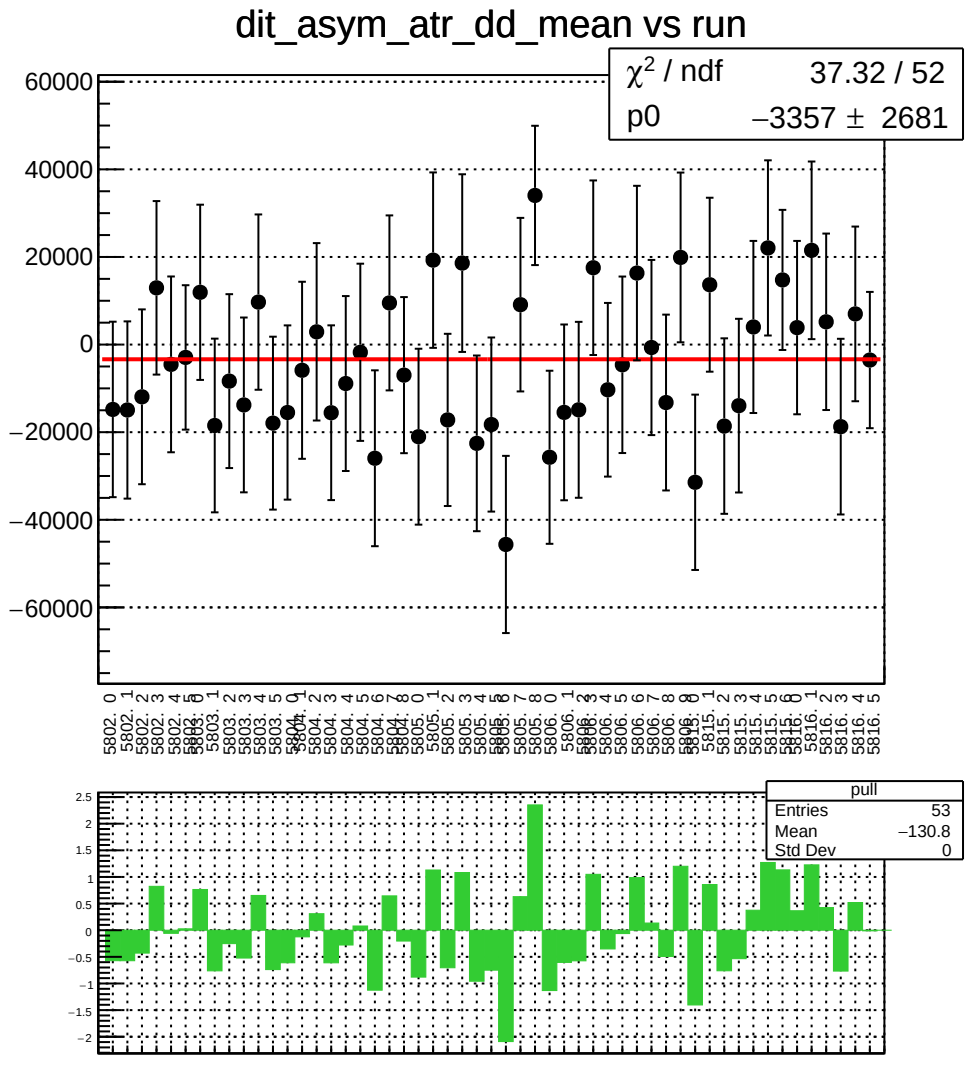

pull1D
Entries 53
Mean −0.0164
Std Dev 0.8191

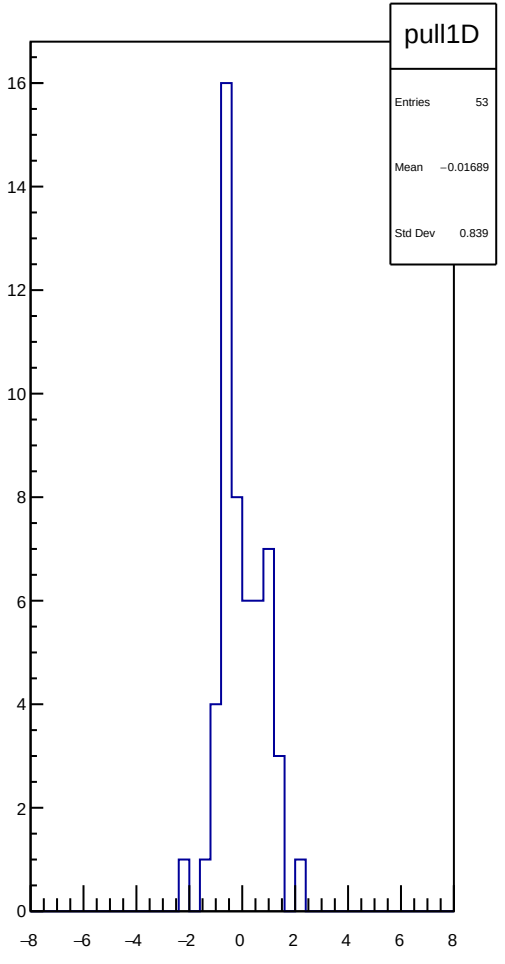

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 54.23 / 52
p0 1886 ± 1.885
1920
1900
1880
1860
1840
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

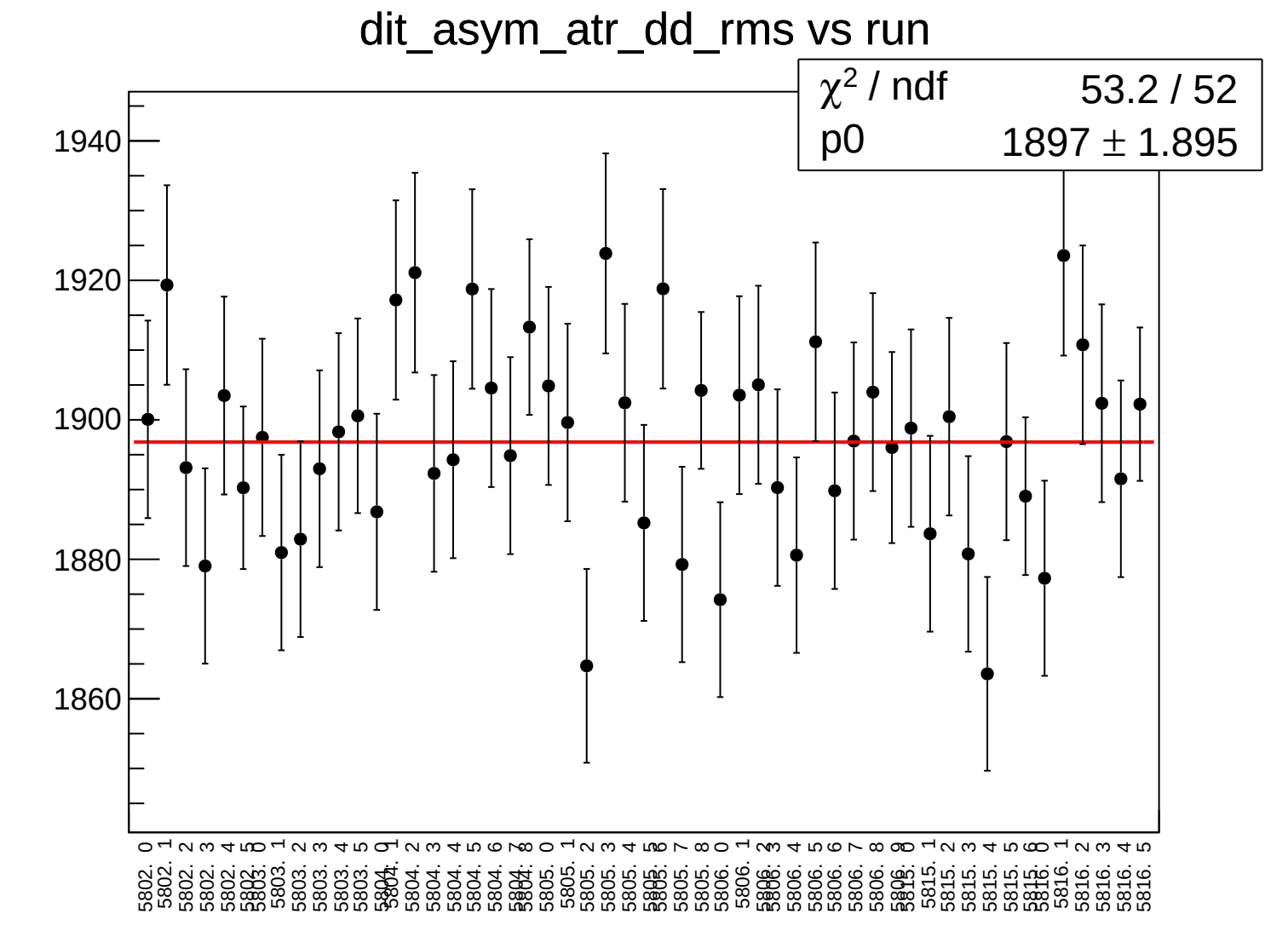

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 66.78 / 52
p0 3445 ± 6514
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −58.79
Std Dev 0
2
1
0
−1
−2
−3

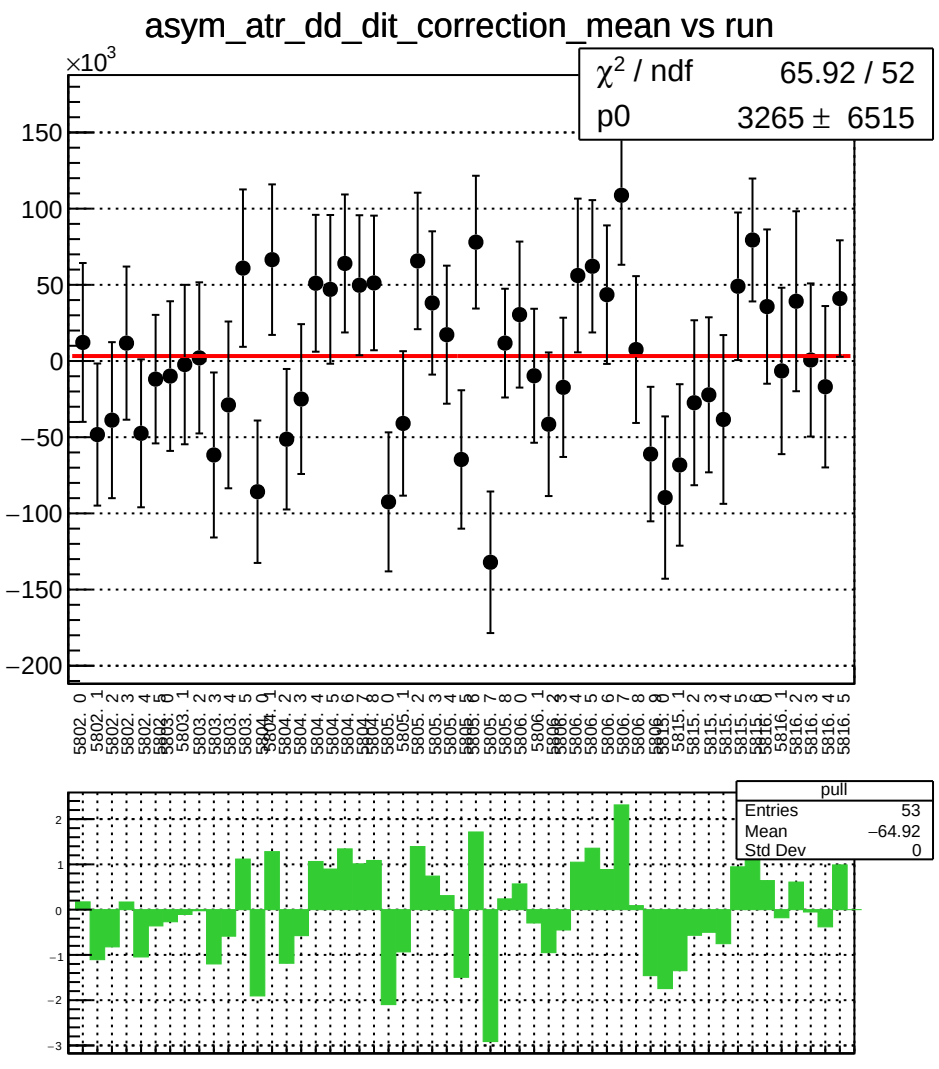

pull1D
Entries 53
Mean −0.02799
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

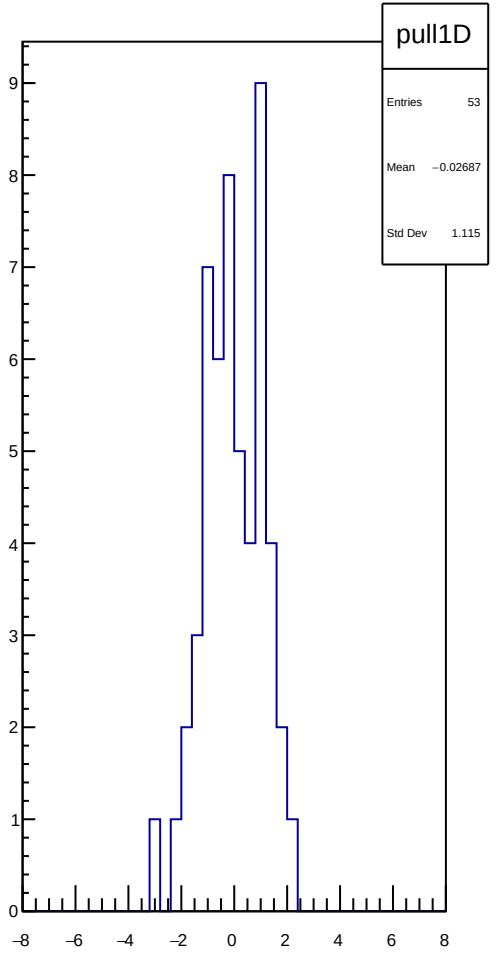

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 3824 / 52
p0 4601 ± 4.606
5600
5400
5200
5000
4800
4600
4400
4200
4000

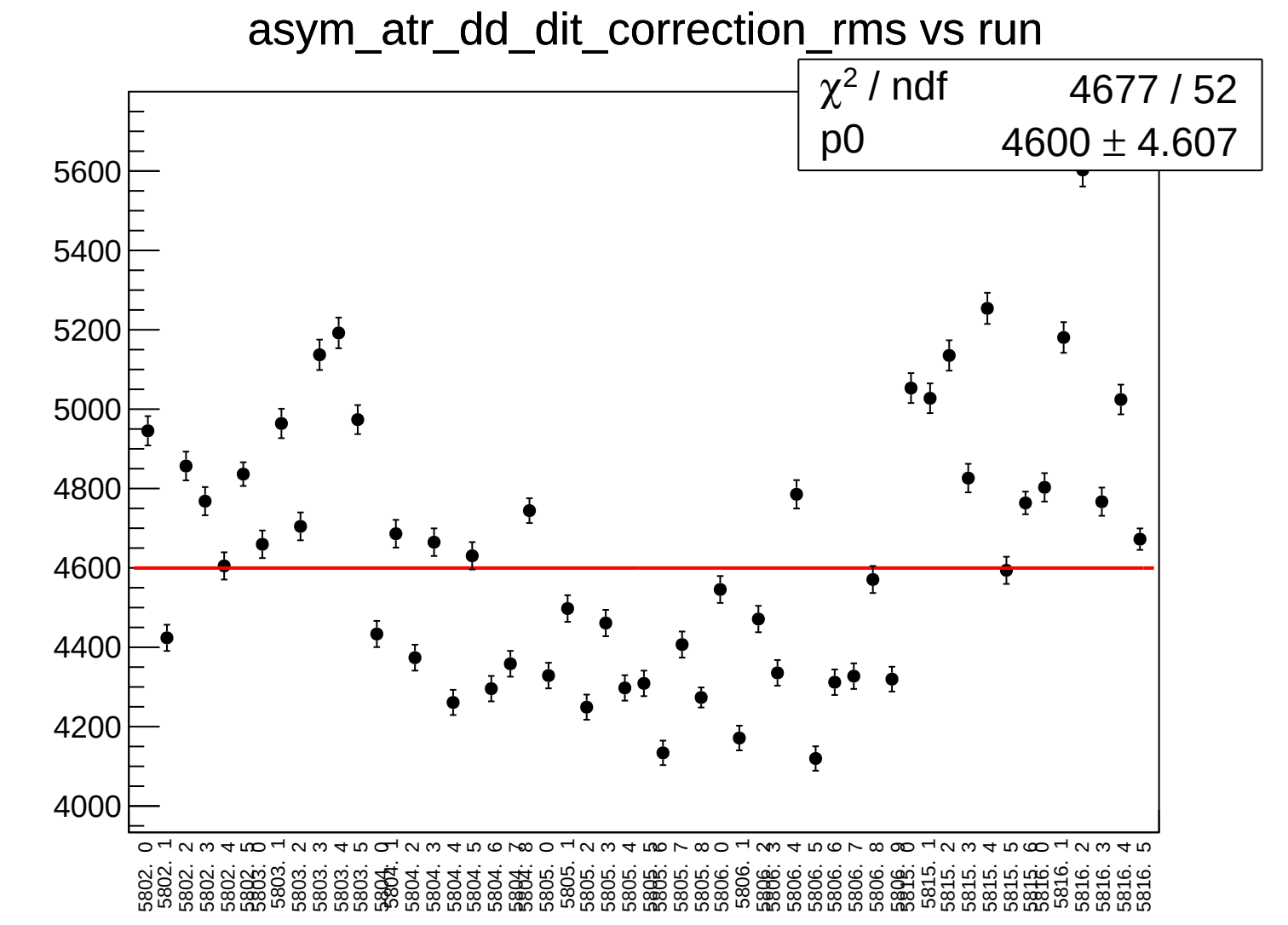

dit_asym_atr_dd_mean vs run
χ² / ndf 37.32 / 52
p0 −3357 ± 2681
pull
Entries 53
Mean −130.8
Std Dev 0

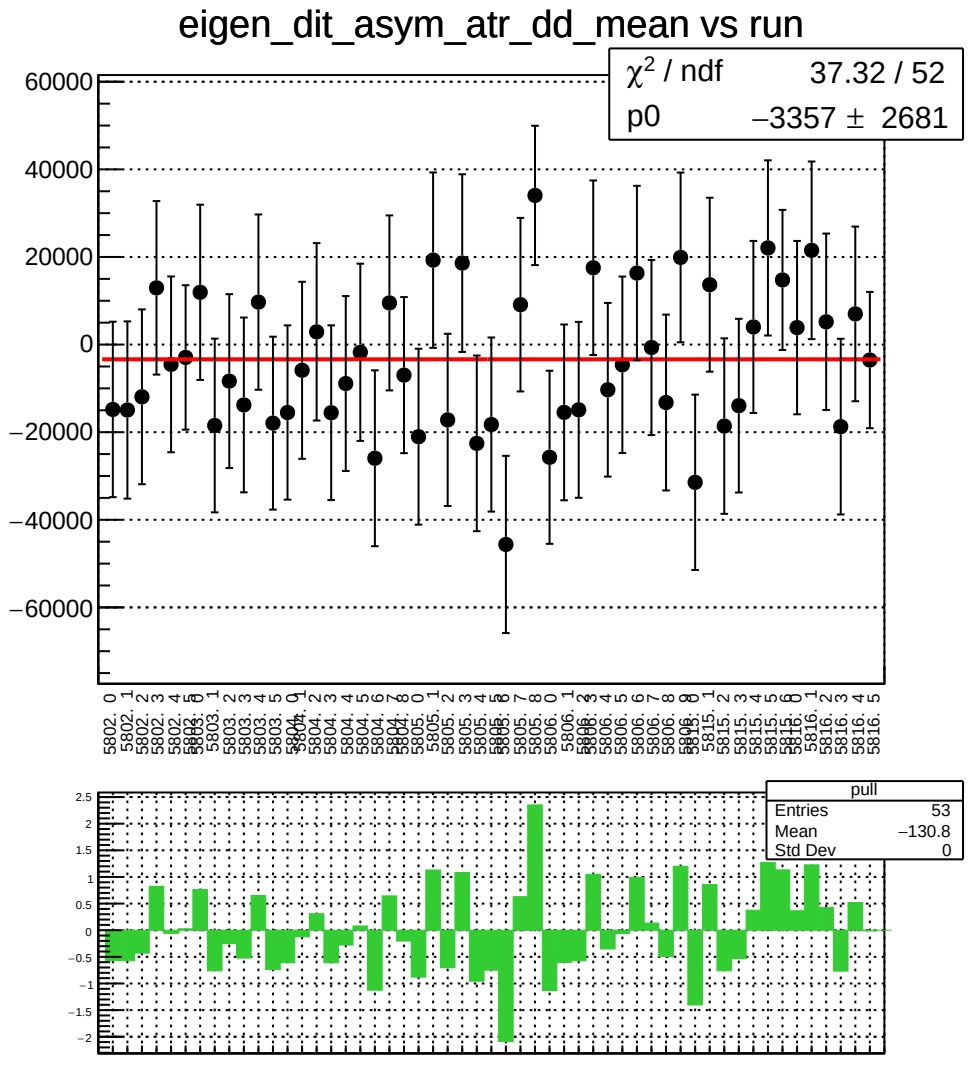

pull1D
Entries 53
Mean −0.01689
Std Dev 0.839

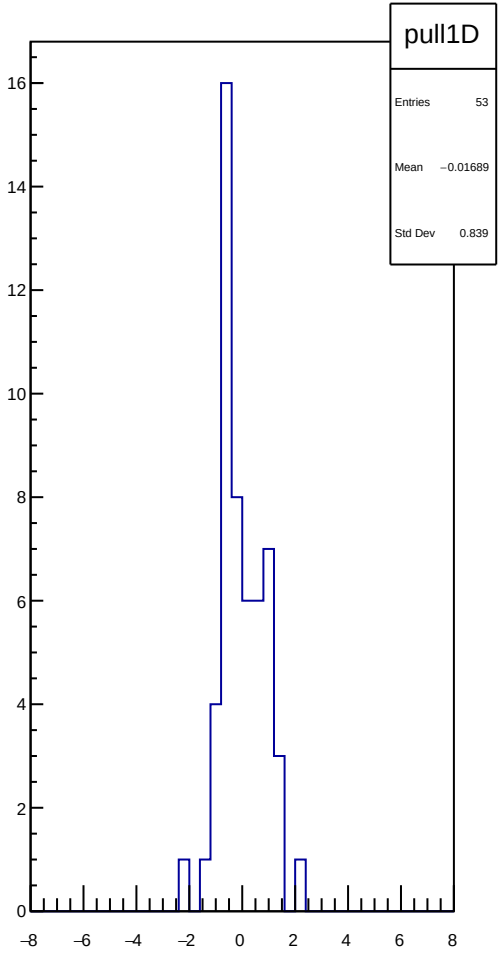

dit_asym_atr_dd_rms vs run
χ² / ndf 53.2 / 52
p0 1897 ± 1.895
1940
1920
1900
1880
1860

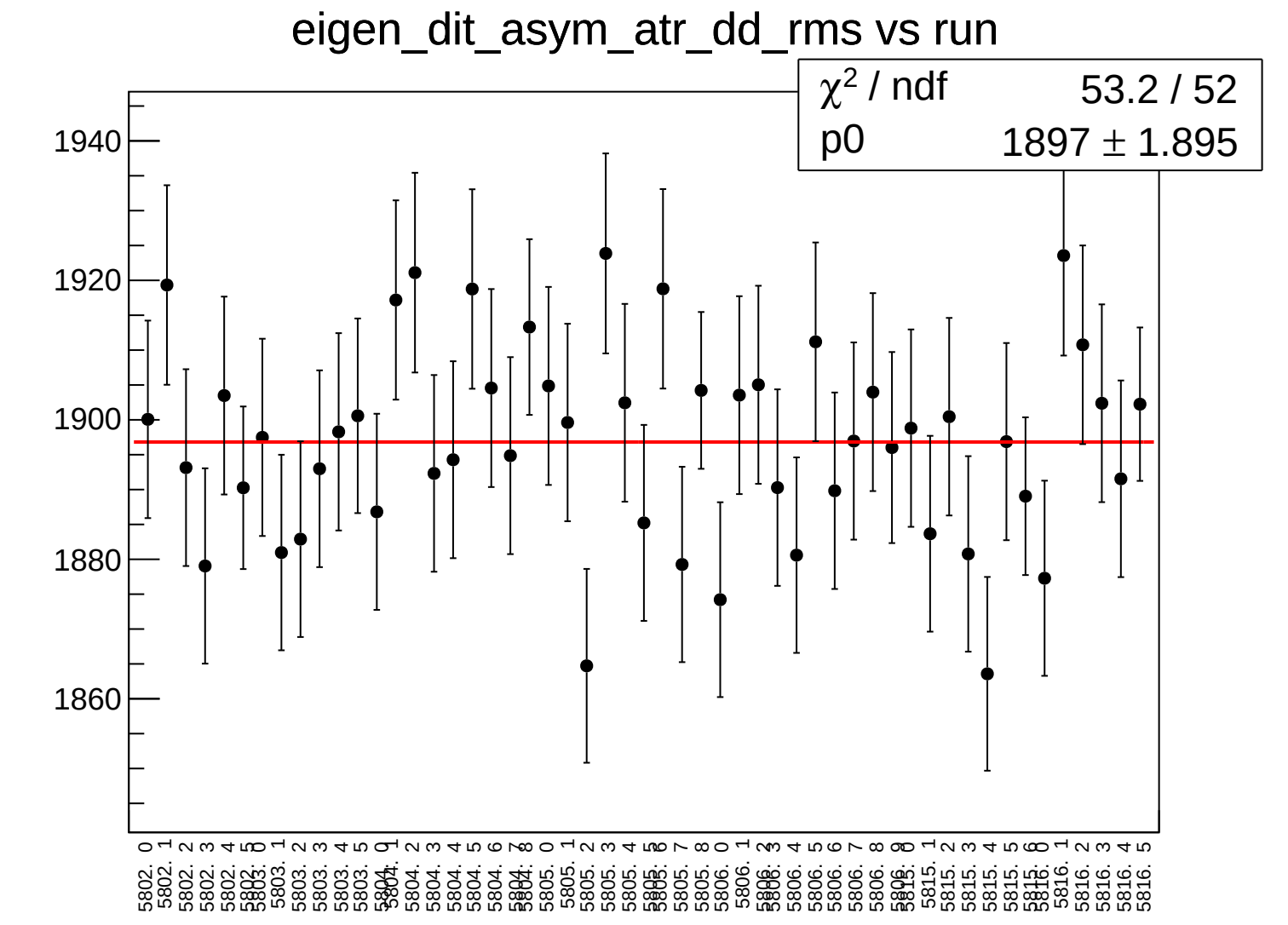

asym_atr_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 65.92 / 52
p0 3265 ± 6515
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −64.92
Std Dev 0
2
1
0
−1
−2
−3

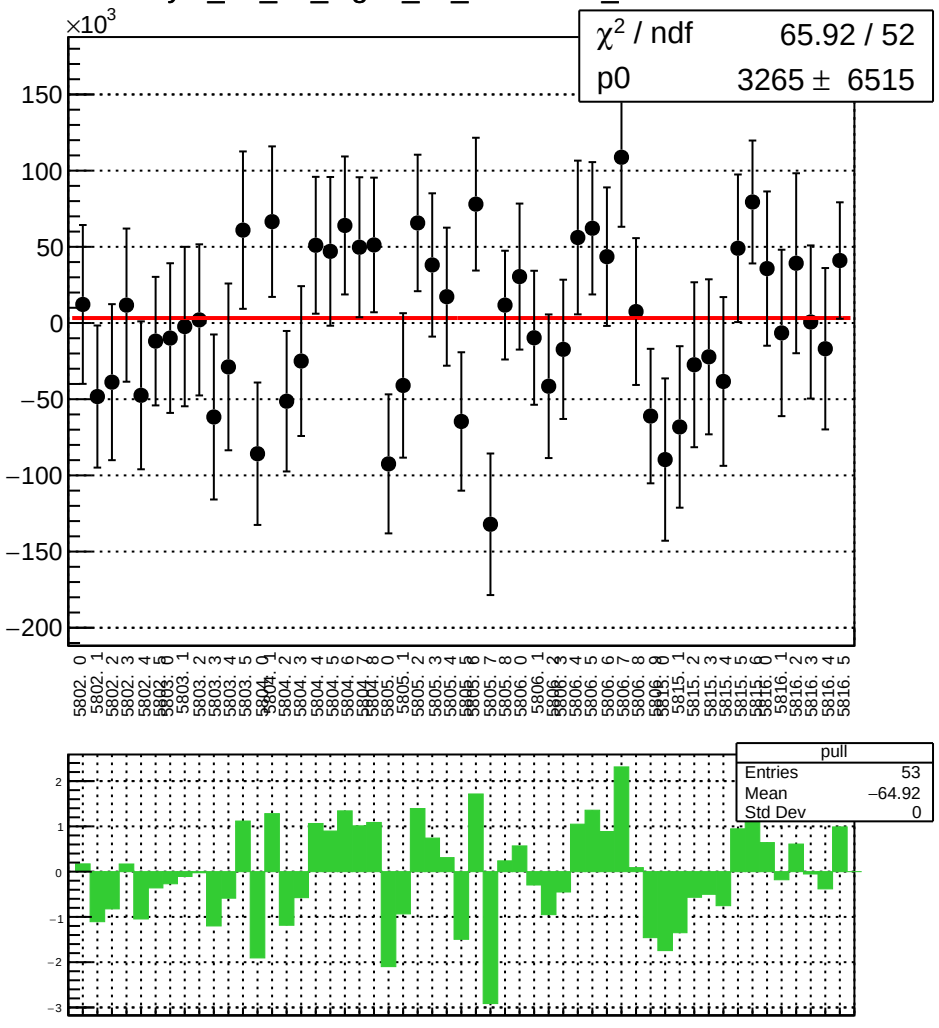

pull1D
Entries 53
Mean −0.02687
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

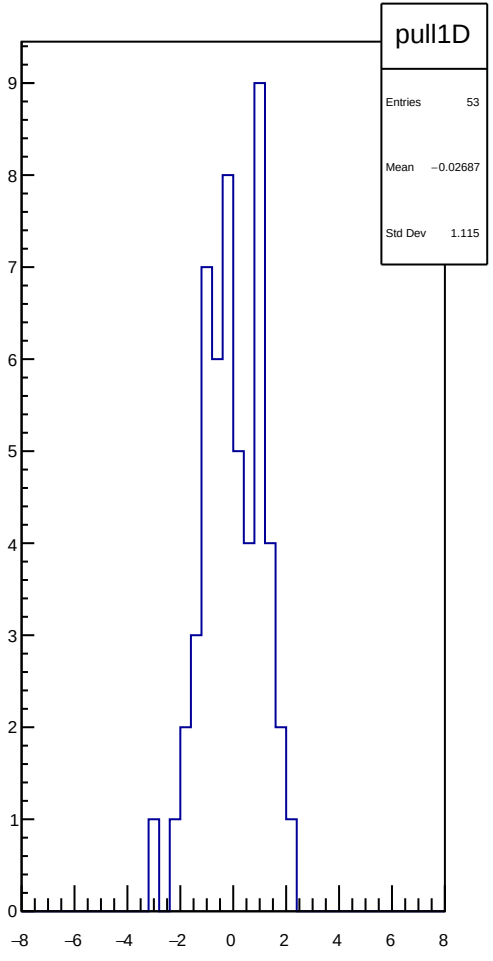

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 4677 / 52
p0 4600 ± 4.607
5600
5400
5200
5000
4800
4600
4400
4200
4000

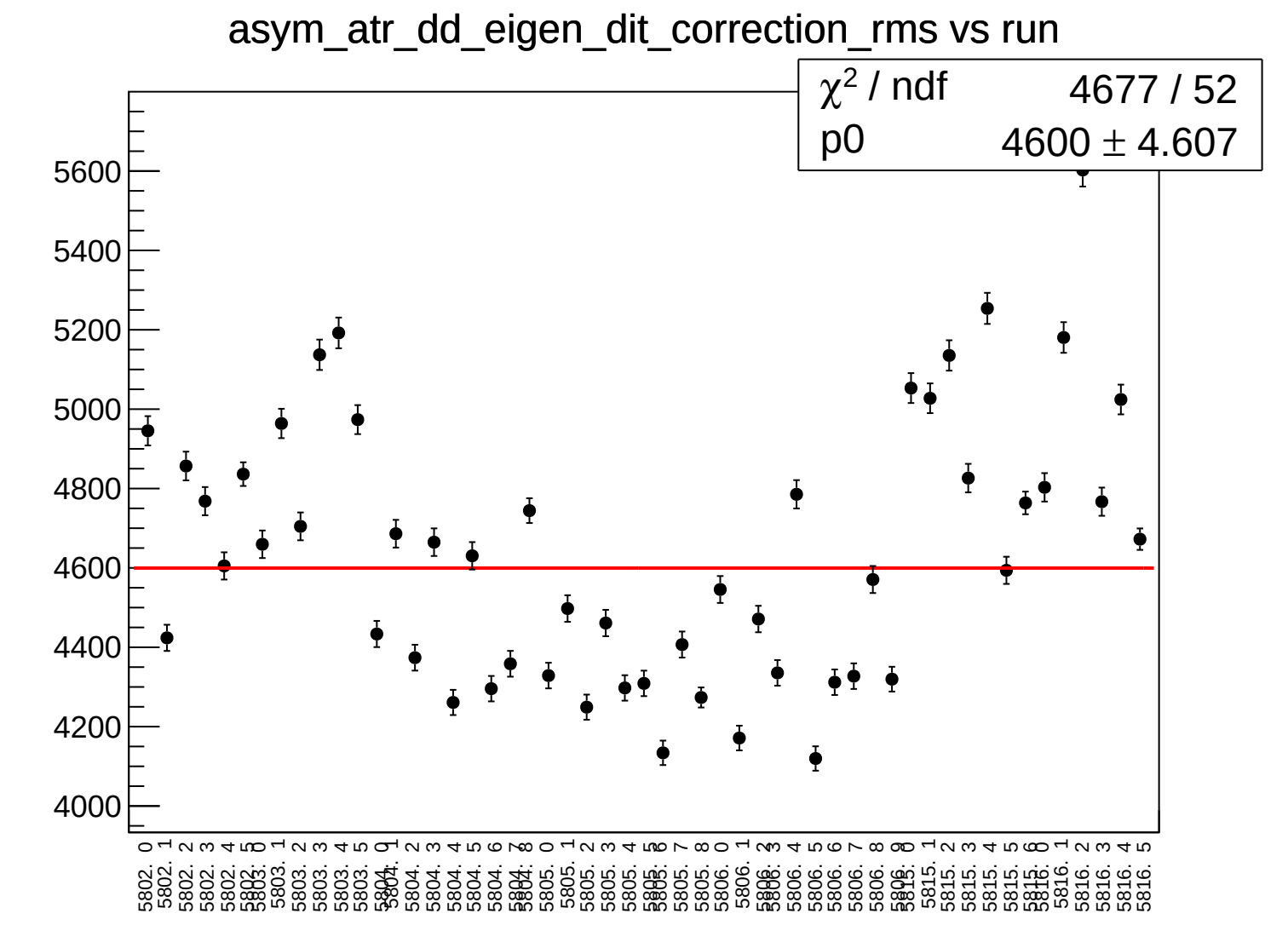

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 37.32 / 52
p0 −3357 ± 2681
pull
Entries 53
Mean −130.8
Std Dev 0

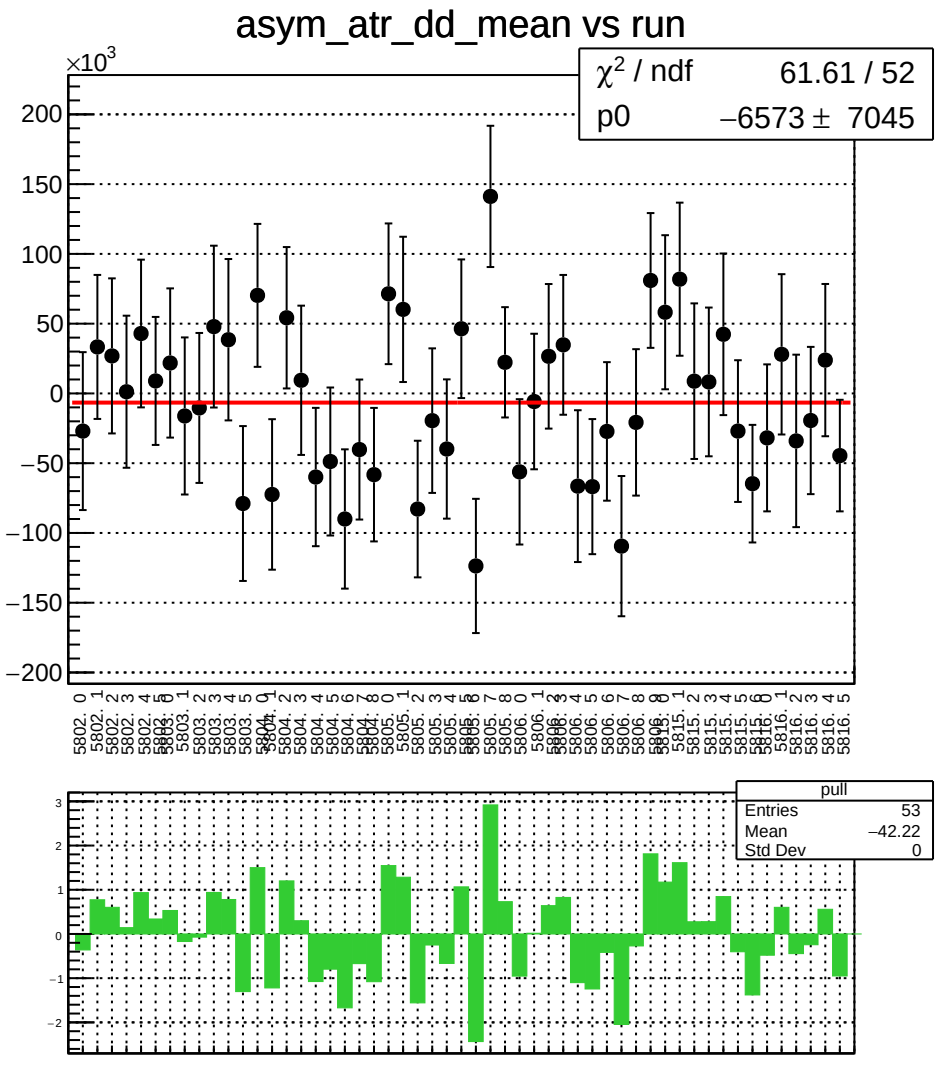

pull1D
Entries 53
Mean −0.01689
Std Dev 0.839

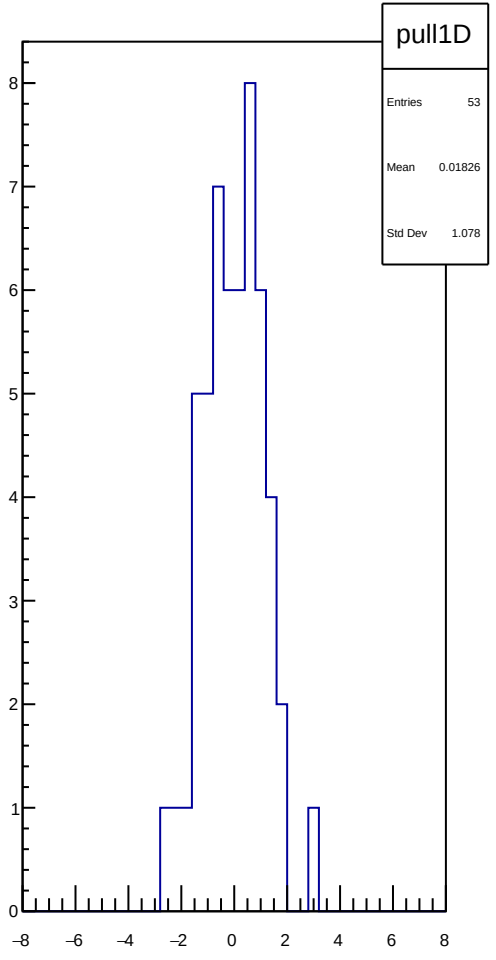

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 53.2 / 52
p0 1897 ± 1.895
1940
1920
1900
1880
1860

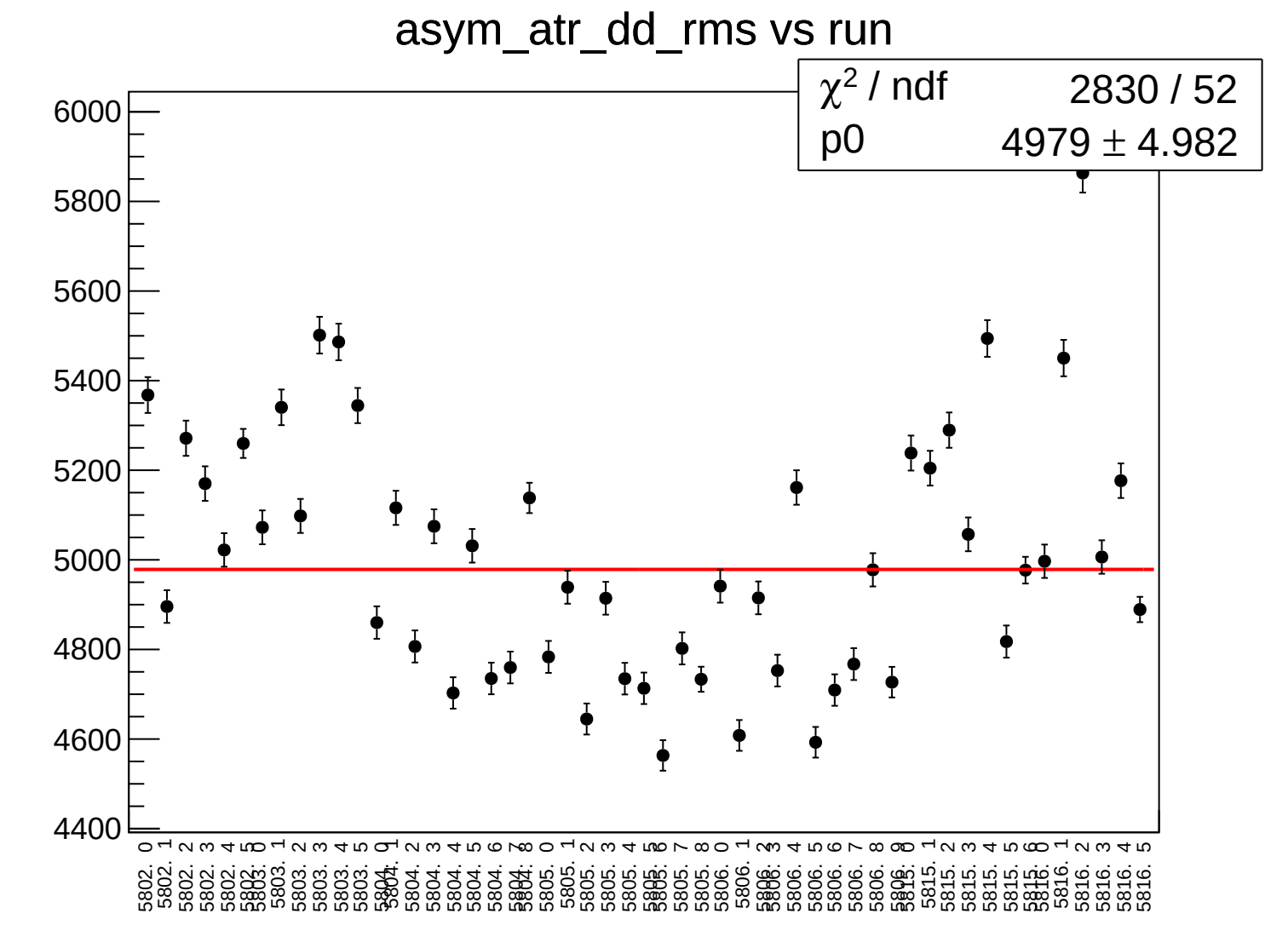

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.92 / 52
p0 3265 ± 6515
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −64.92
Std Dev 0
2
1
0
−1
−2
−3

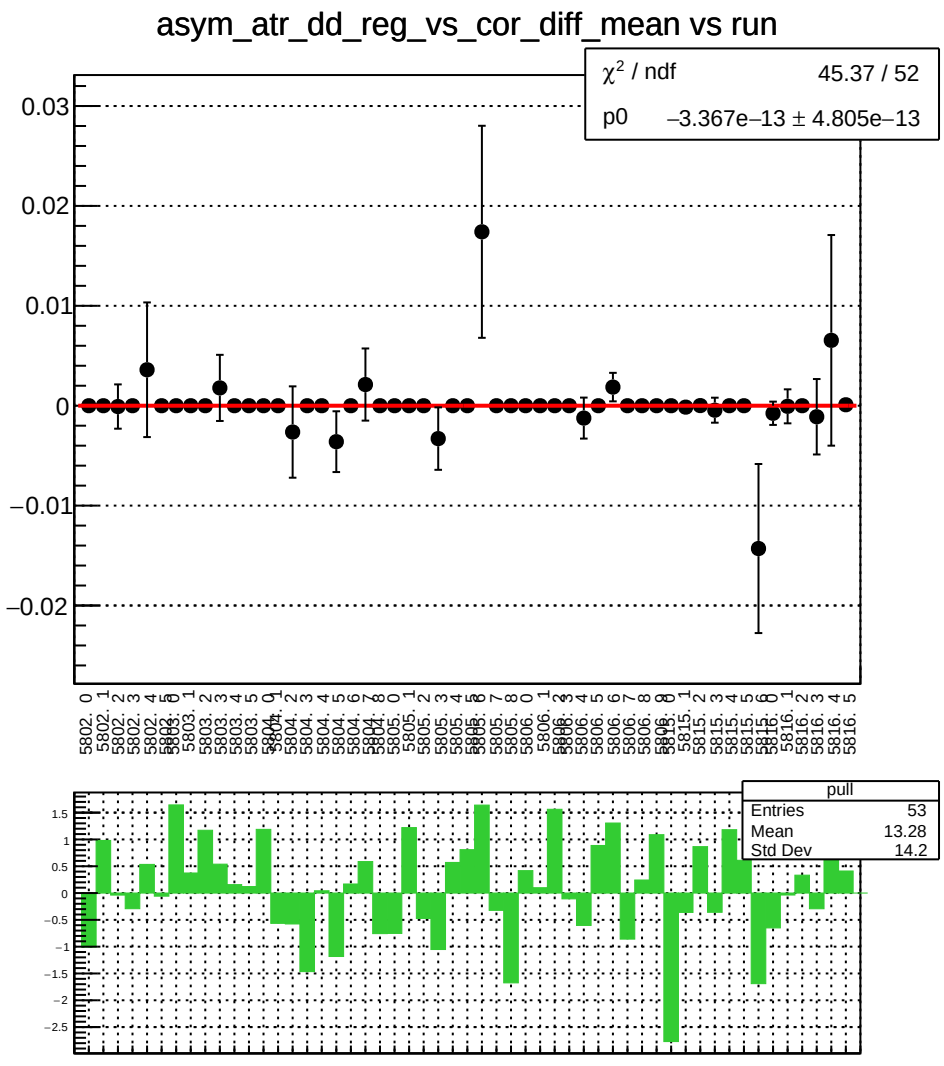

pull1D
Entries 53
Mean −0.02687
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

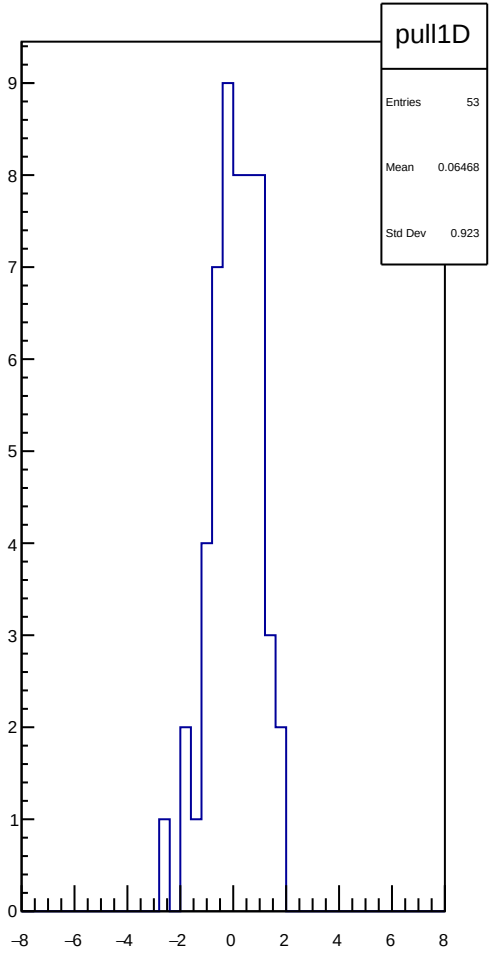

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 4677 / 52
p0 4600 ± 4.607
5600
5400
5200
5000
4800
4600
4400
4200
4000

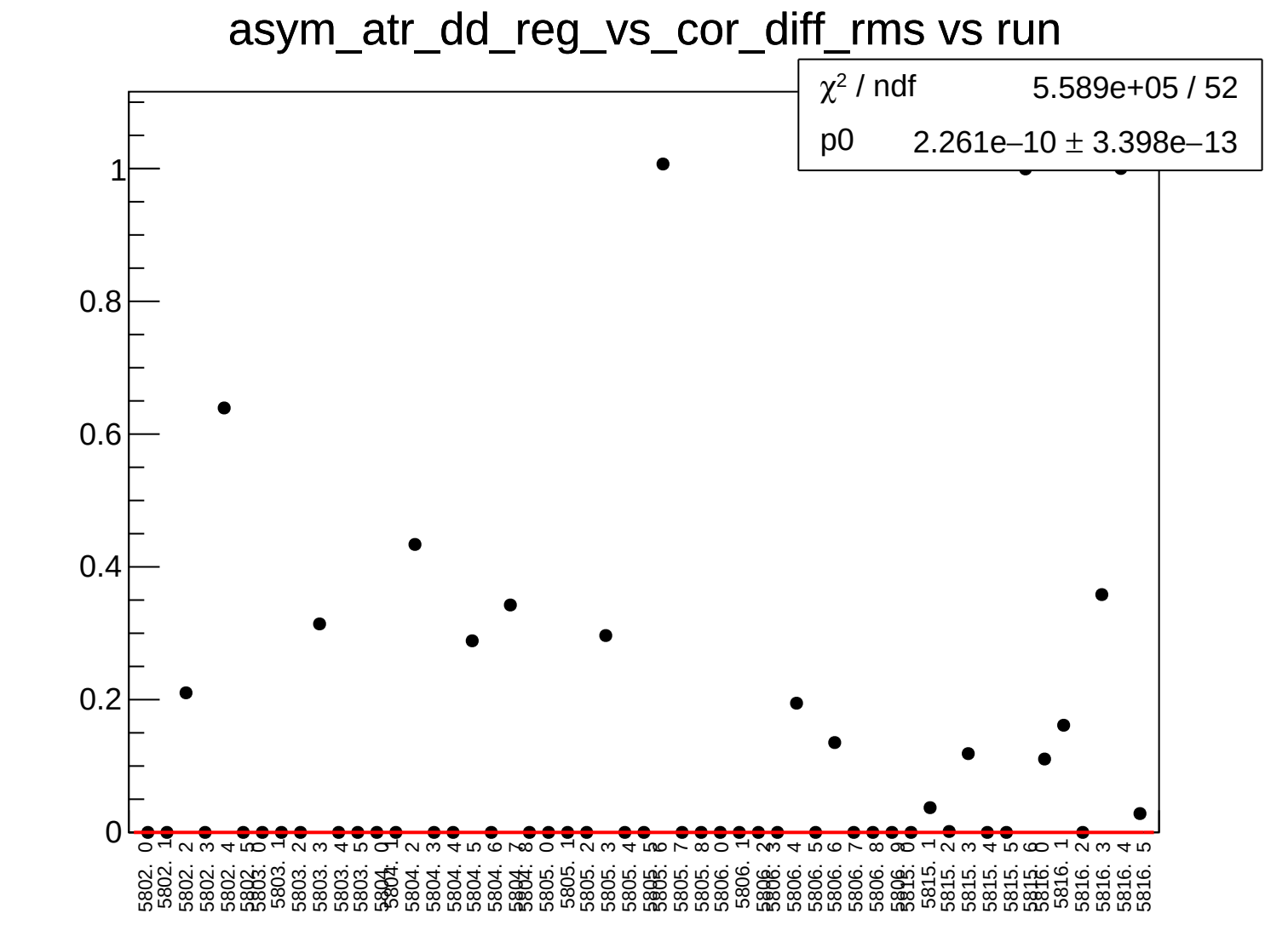

asym_atr_dd_mean vs run
×10^3
χ² / ndf 61.61 / 52
p0 −6573 ± 7045
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −42.22
Std Dev 0
3
2
1
0
−1
−2

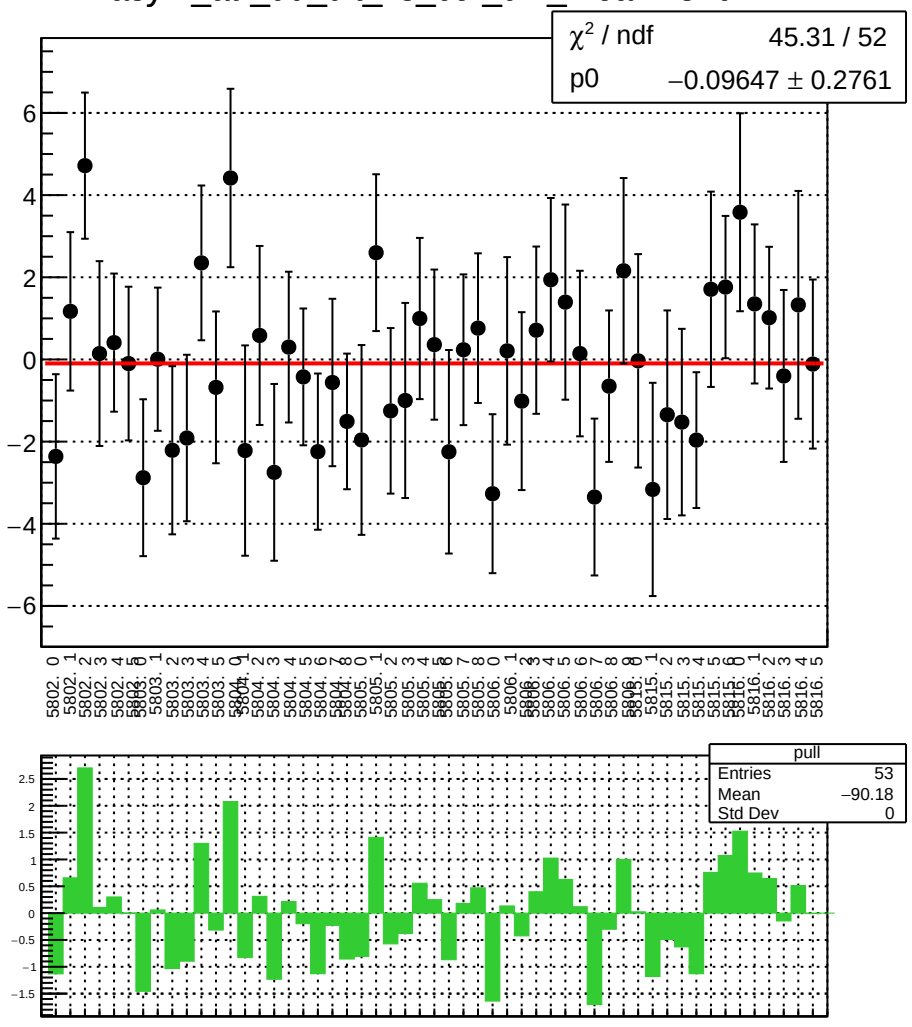

pull1D
Entries 53
Mean 0.01826
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

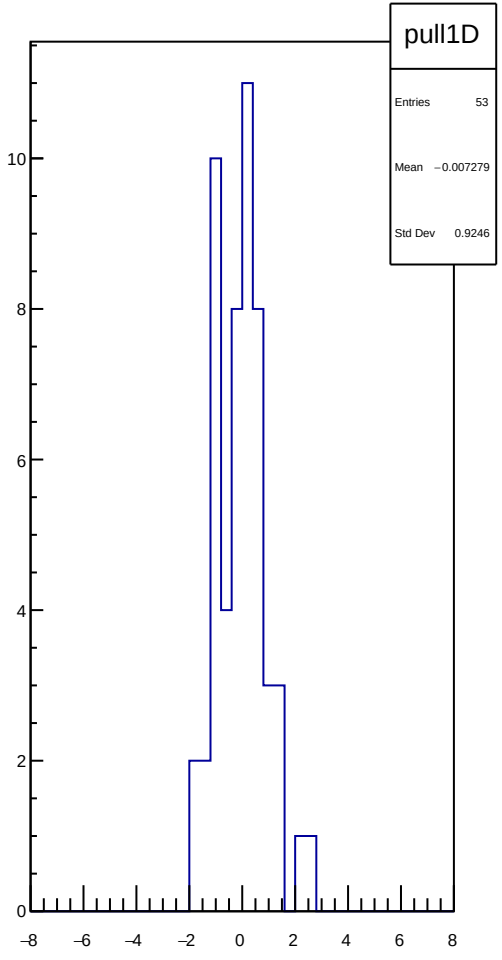

asym_atr_dd_rms vs run
χ² / ndf 2830 / 52
p0 4979 ± 4.982
6000
5800
5600
5400
5200
5000
4800
4600
4400

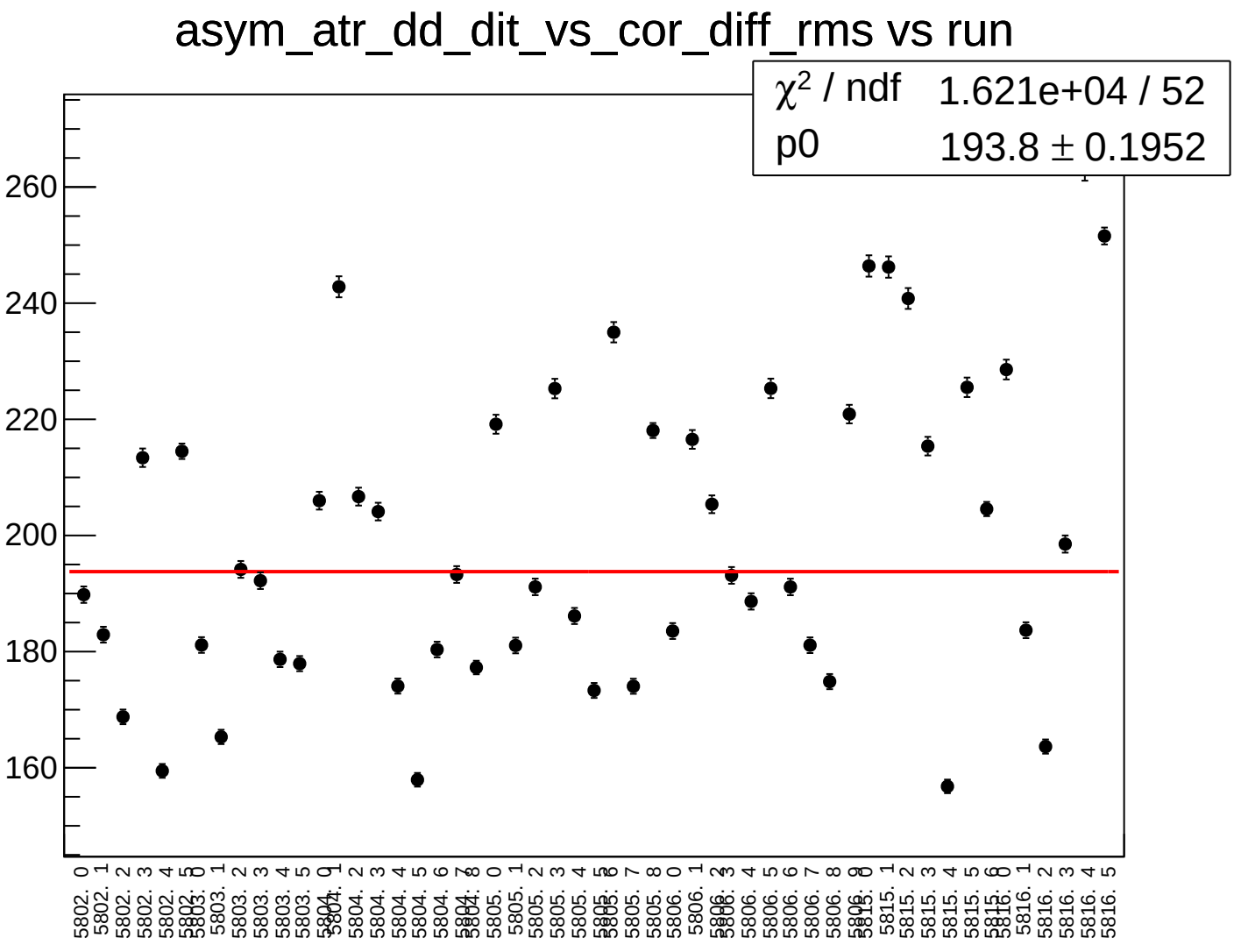

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.37 / 52
p0 −3.367e−13 ± 4.805e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean 13.28
Std Dev 14.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

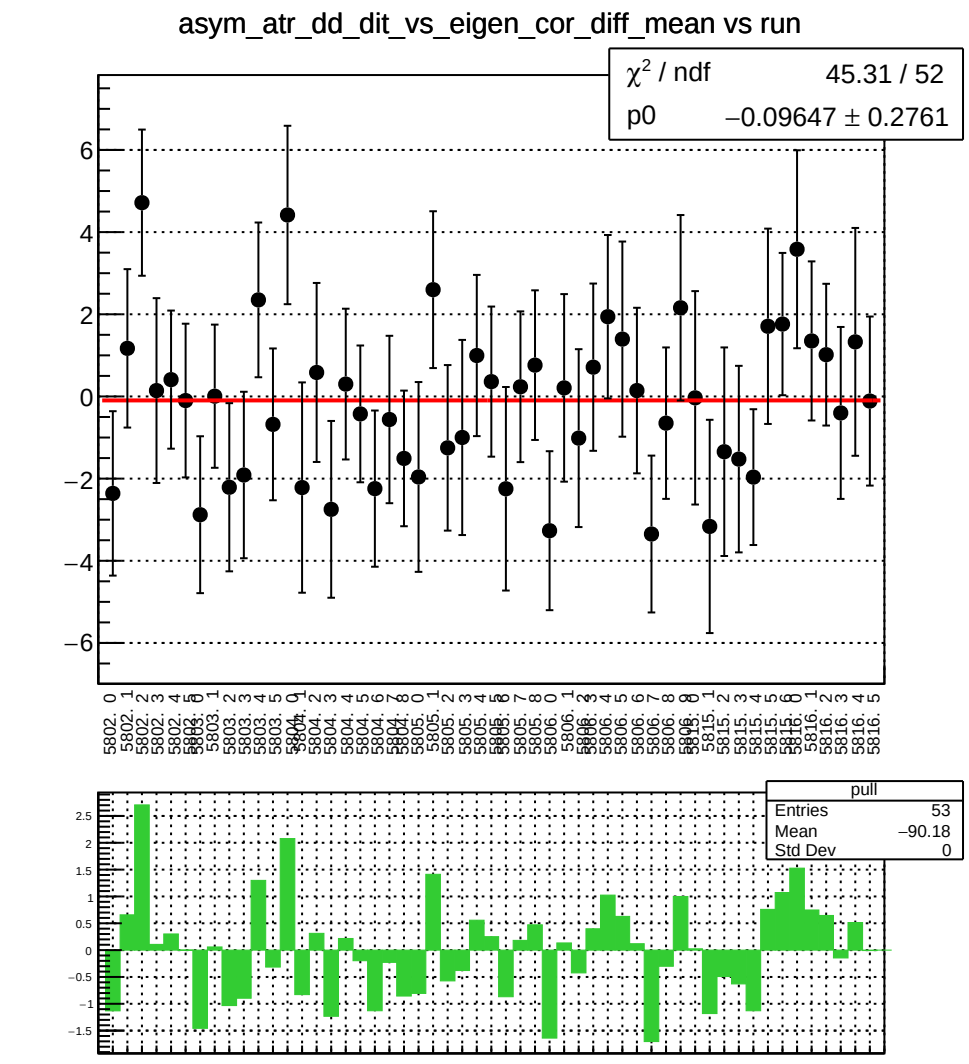

pull1D
Entries 53
Mean 0.06468
Std Dev 0.923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

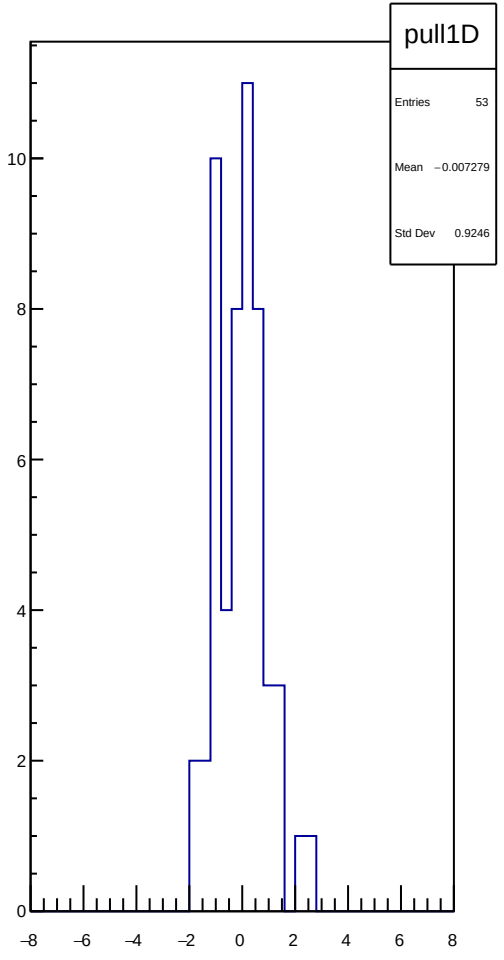

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.589e+05 / 52
p0 2.261e−10 ± 3.398e−13
1
0.8
0.6
0.4
0.2
0

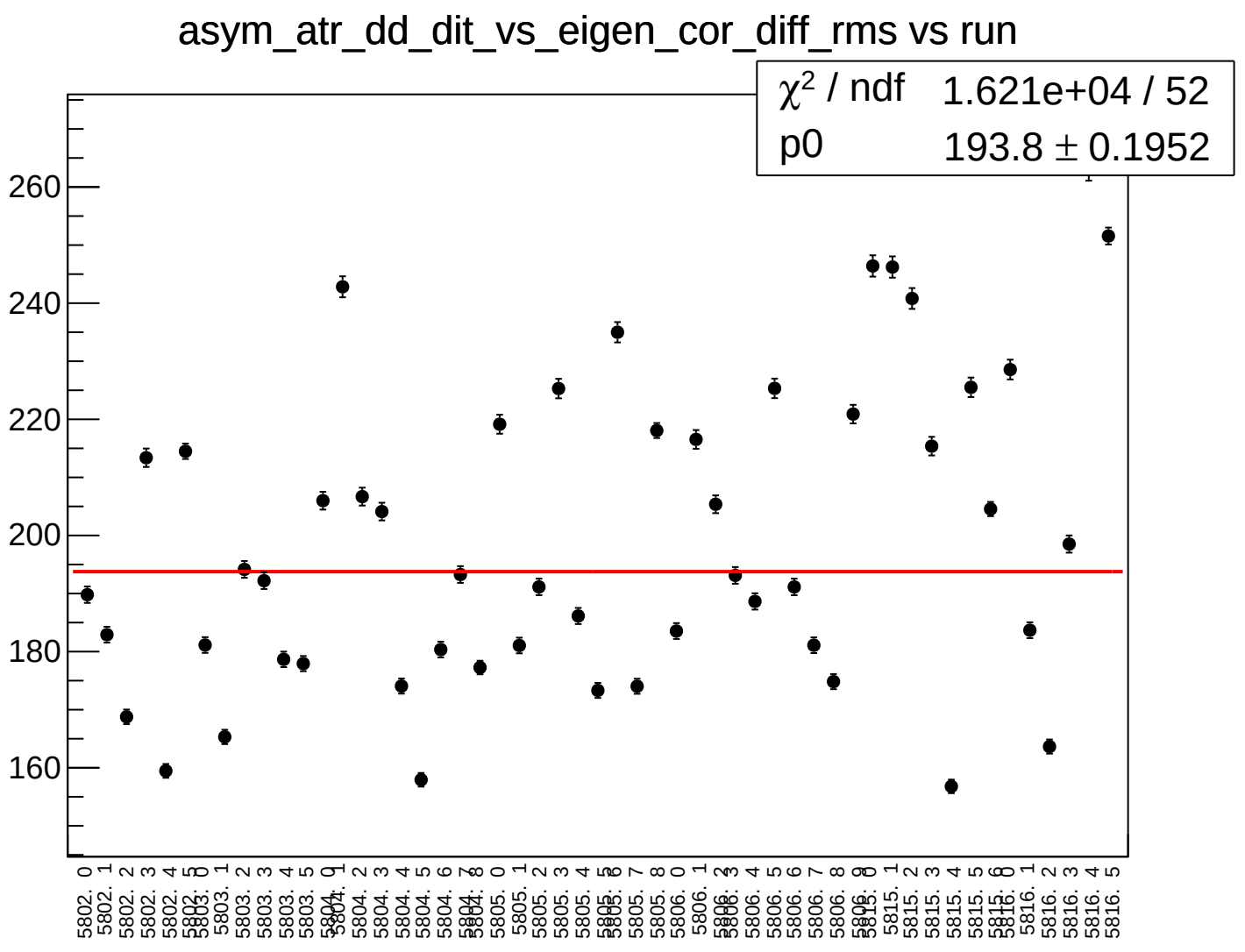

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.31 / 52
p0 −0.09647 ± 0.2761
pull
Entries 53
Mean −90.18
Std Dev 0

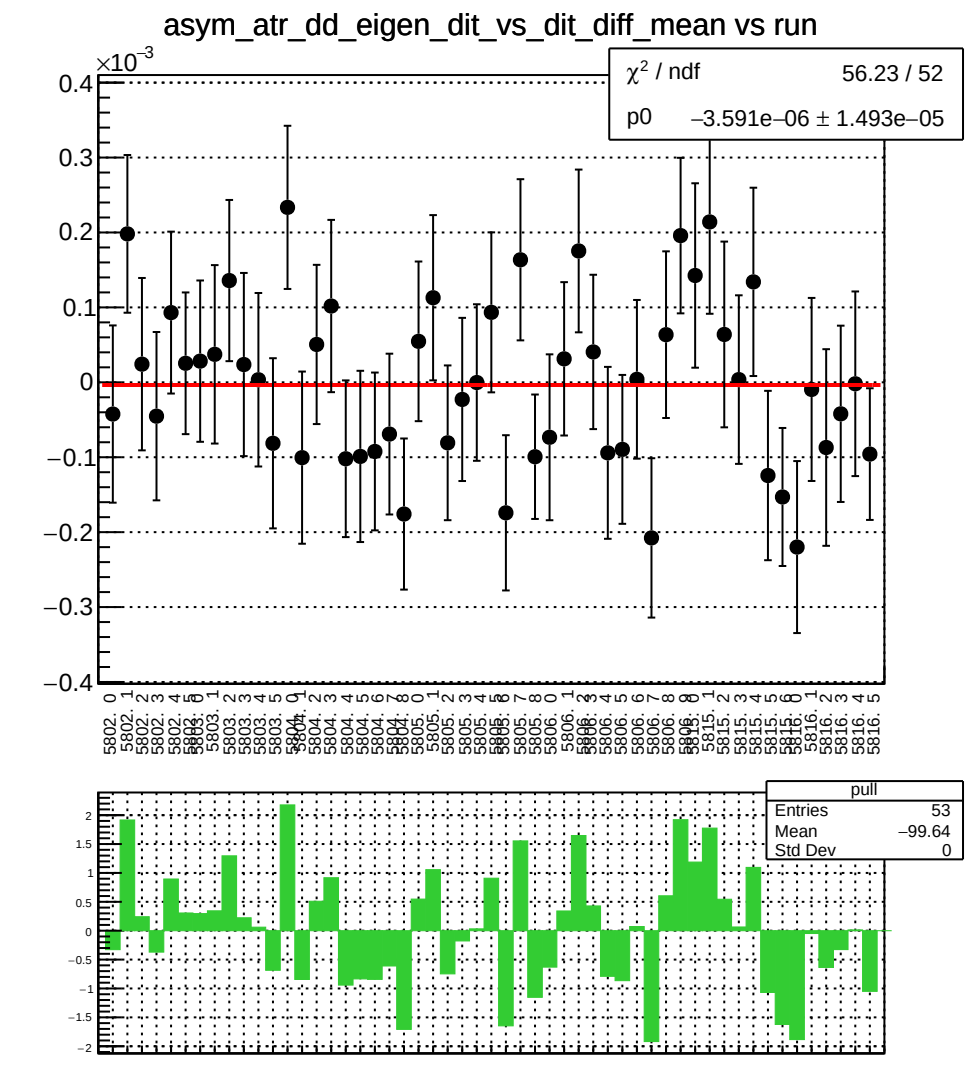

pull1D
Entries 53
Mean −0.007279
Std Dev 0.9246

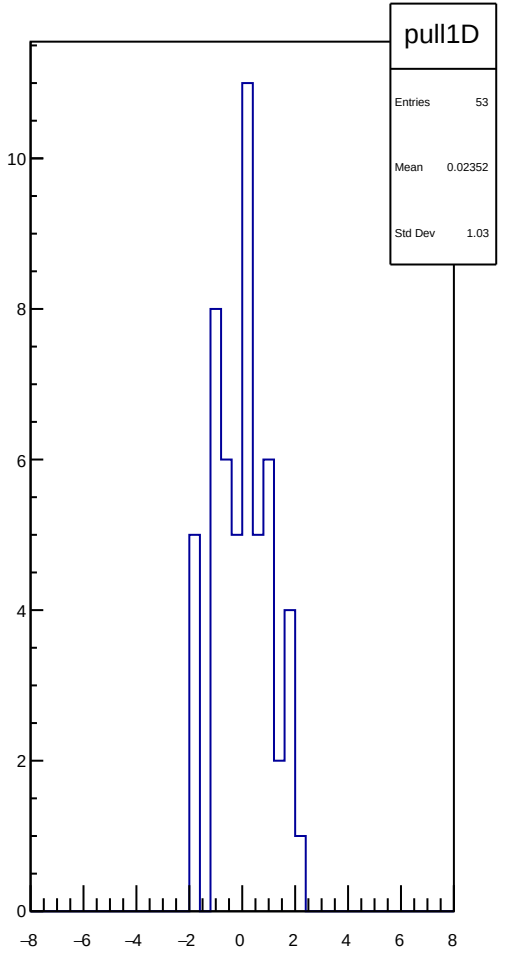

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.621e+04 / 52
p0 193.8 ± 0.1952
260
240
220
200
180
160

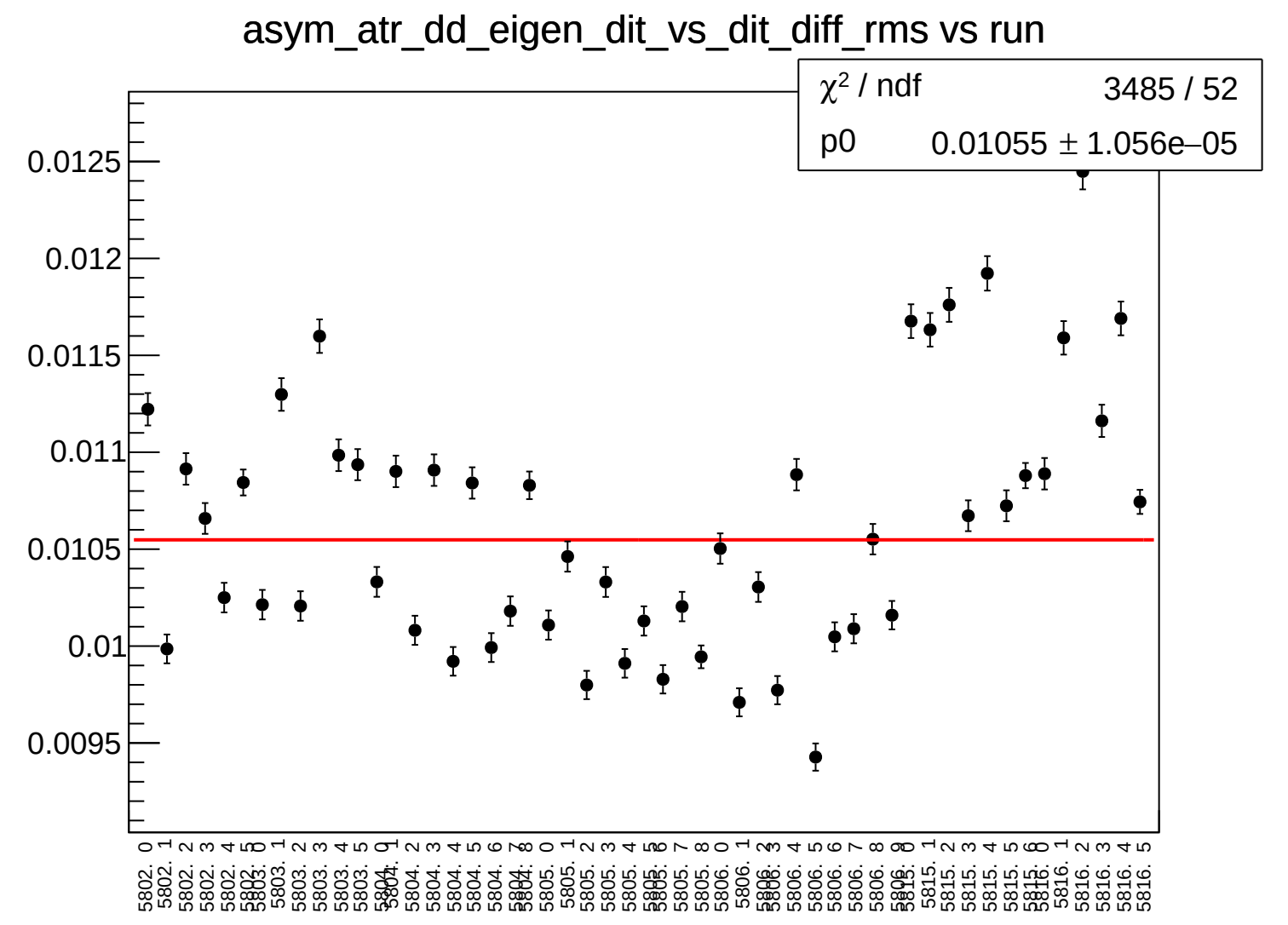

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.31 / 52
p0 −0.09647 ± 0.2761
pull
Entries 53
Mean −90.18
Std Dev 0

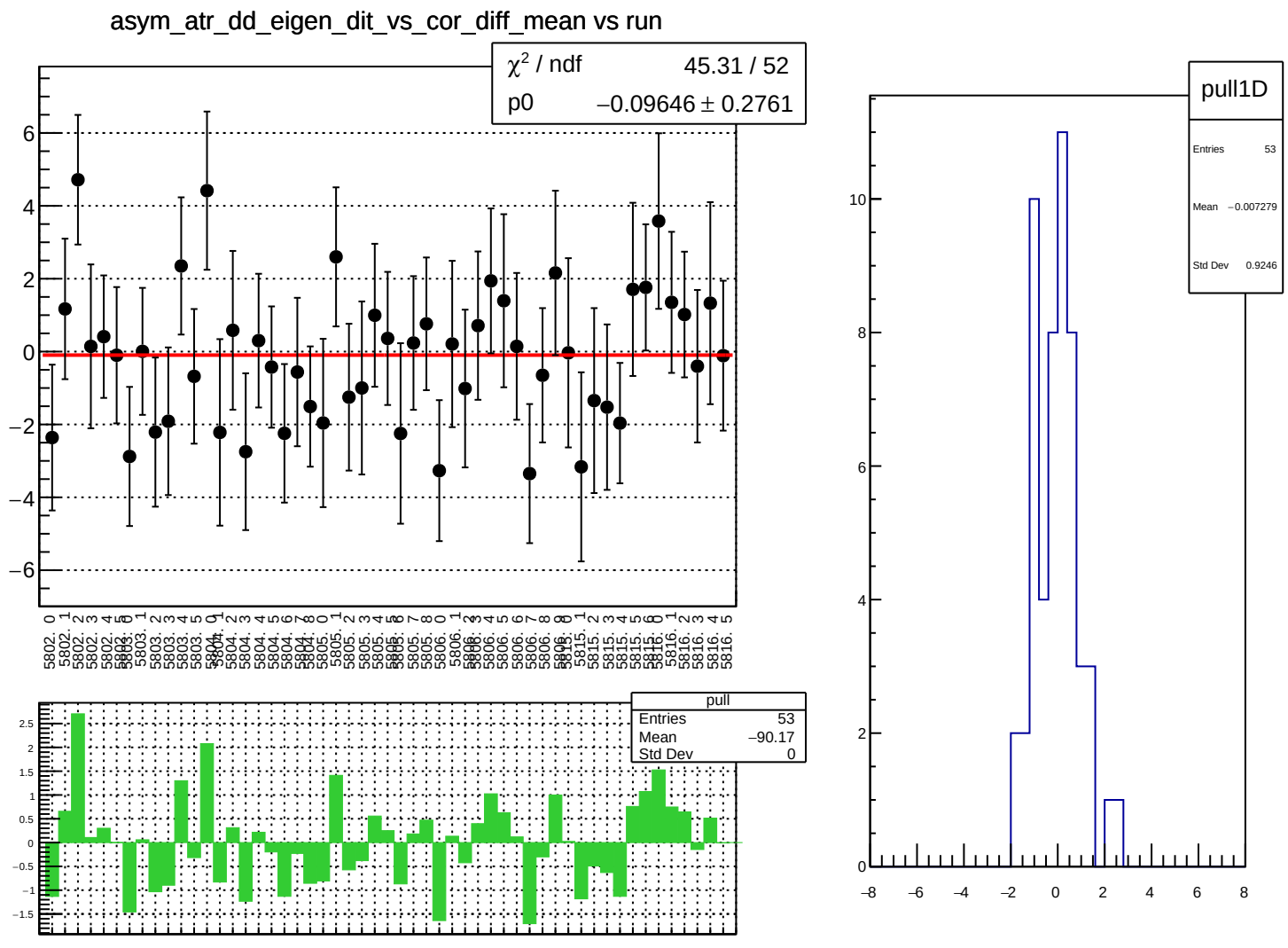

pull1D
Entries 53
Mean −0.007279
Std Dev 0.9246

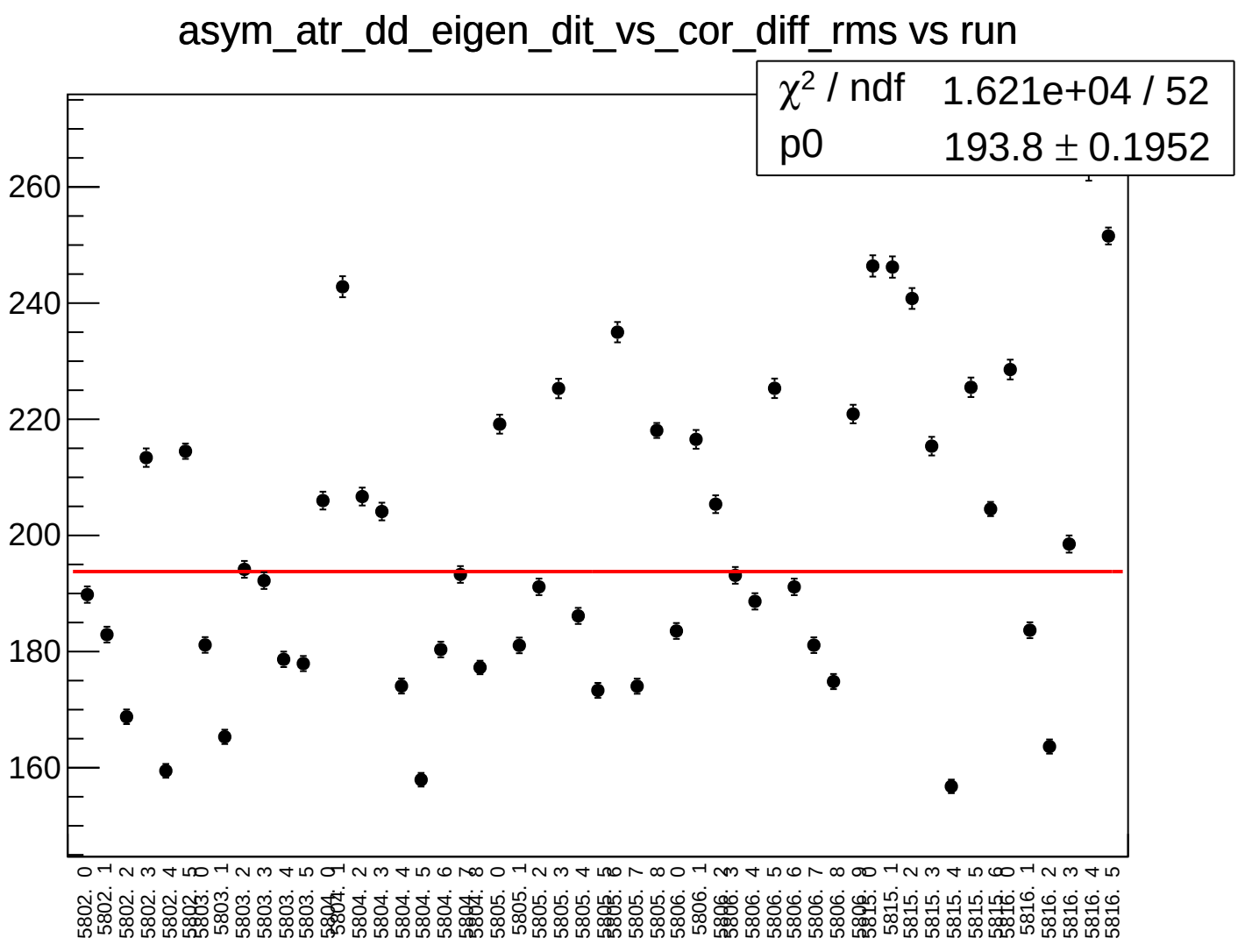

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.621e+04 / 52
p0 193.8 ± 0.1952
260
240
220
200
180
160

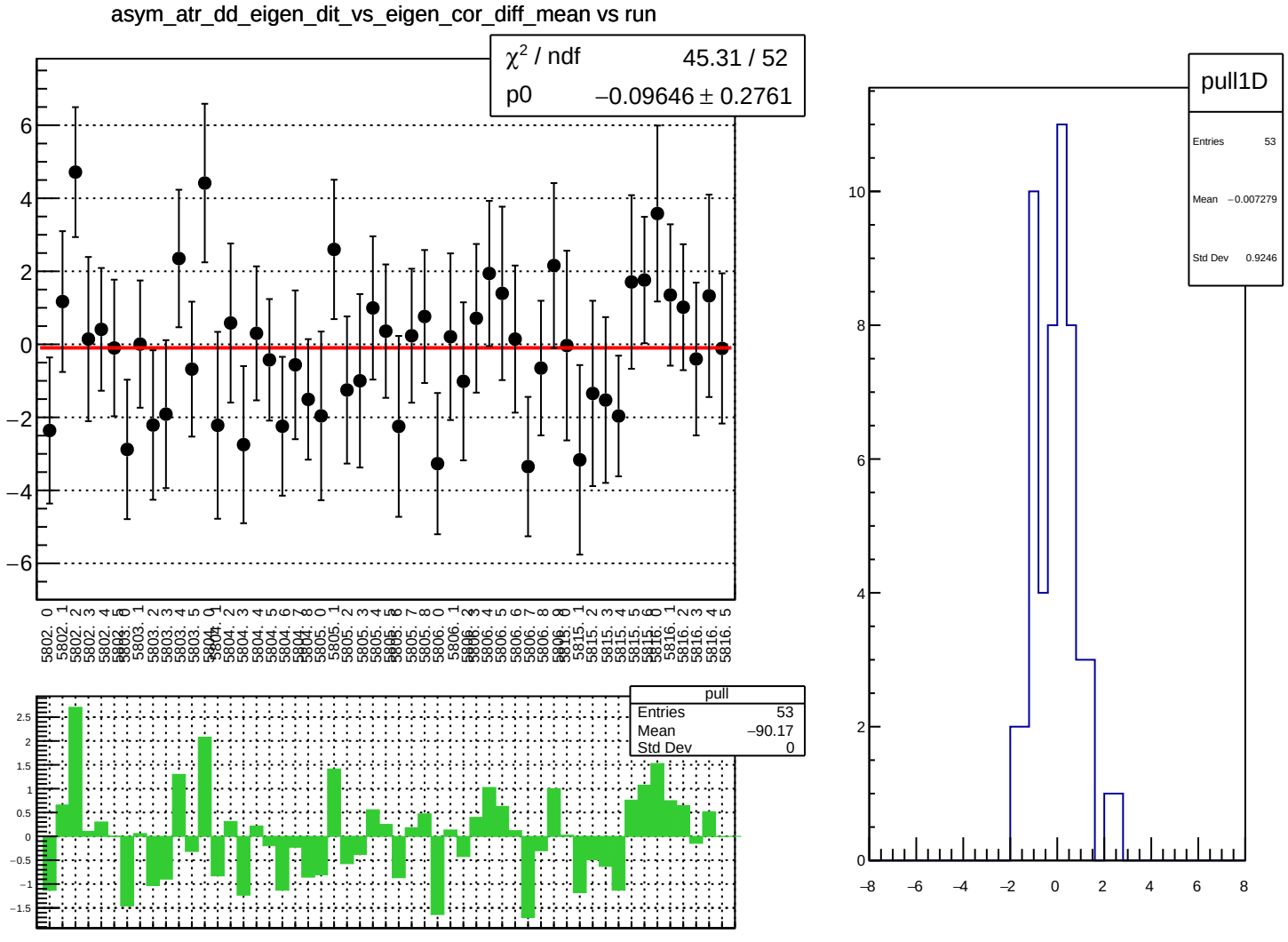

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.23 / 52
p0 −3.591e−06 ± 1.493e−05
pull
Entries 53
Mean −99.64
Std Dev 0

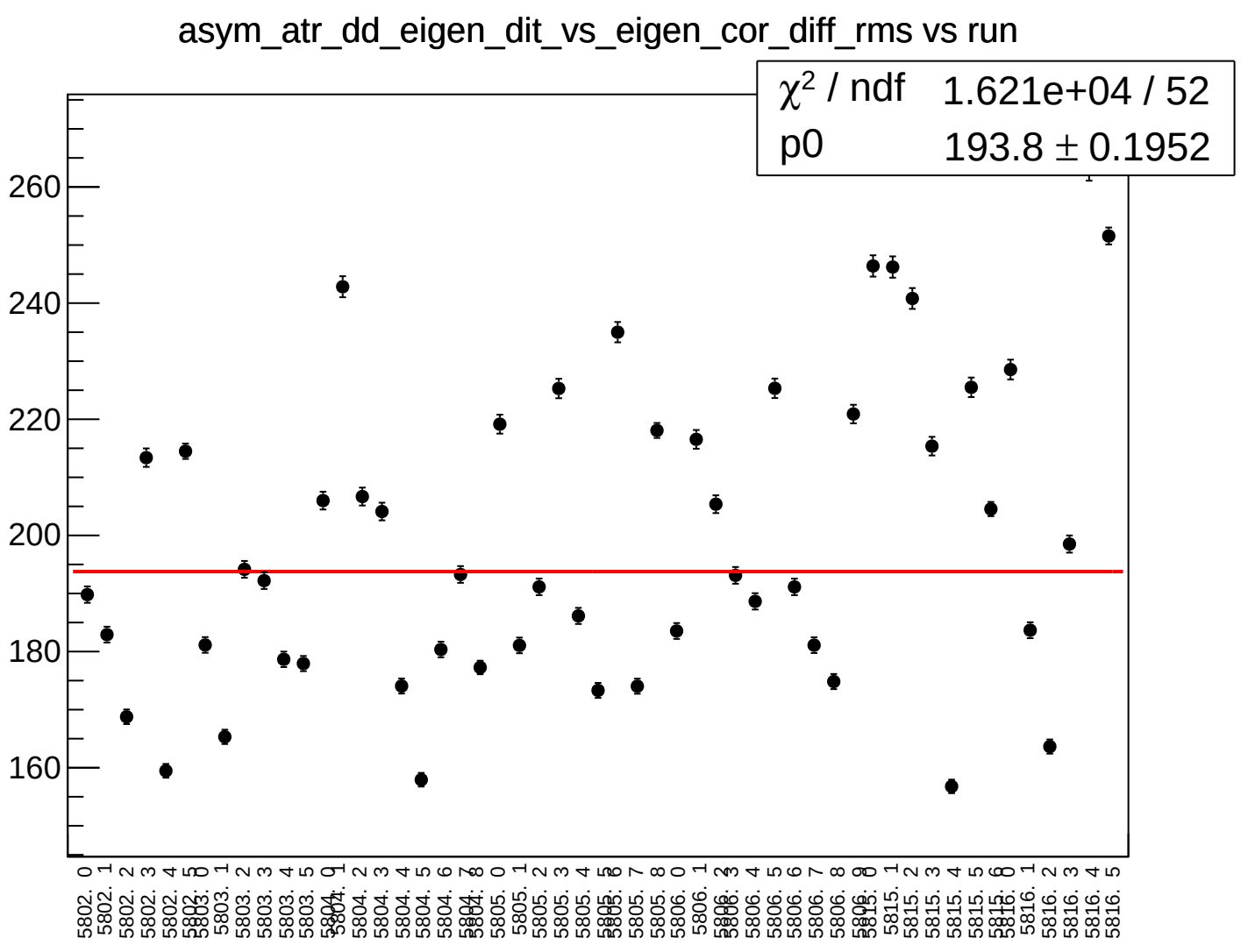

pull1D
Entries 53
Mean 0.02352
Std Dev 1.03

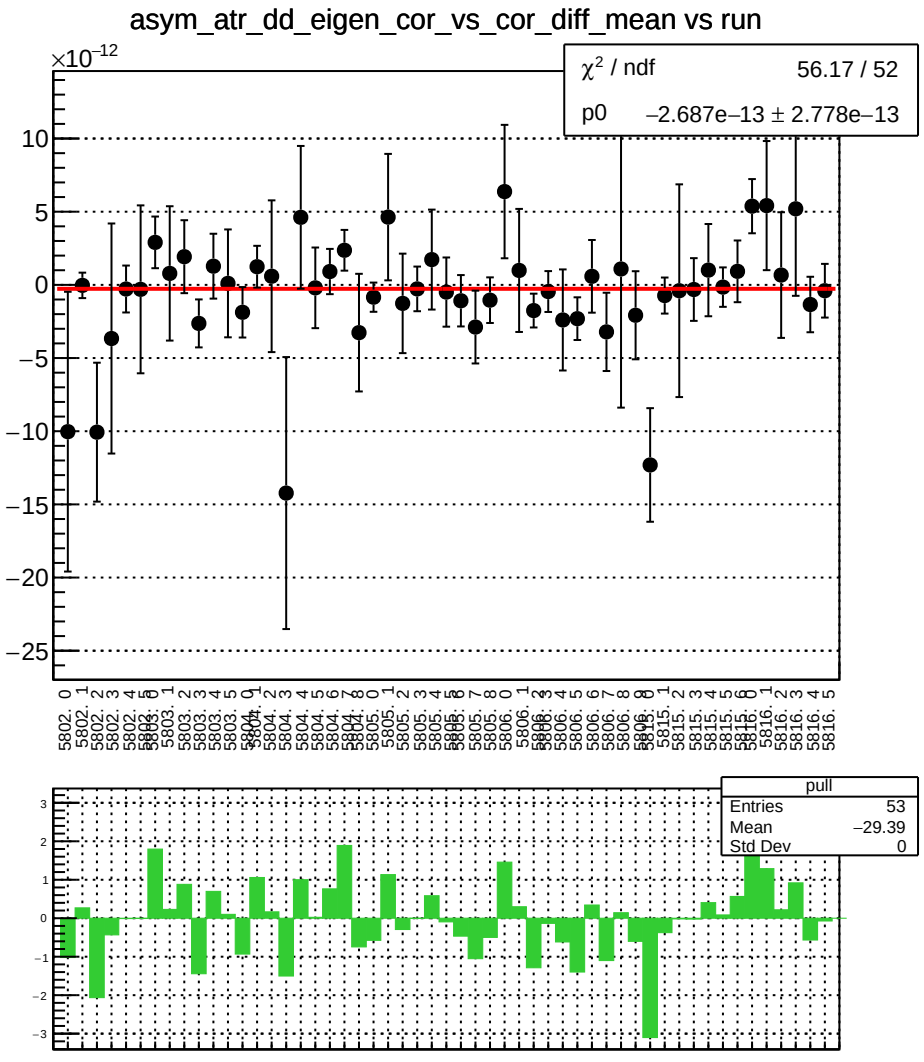

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3485 / 52
p0 0.01055 ± 1.056e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

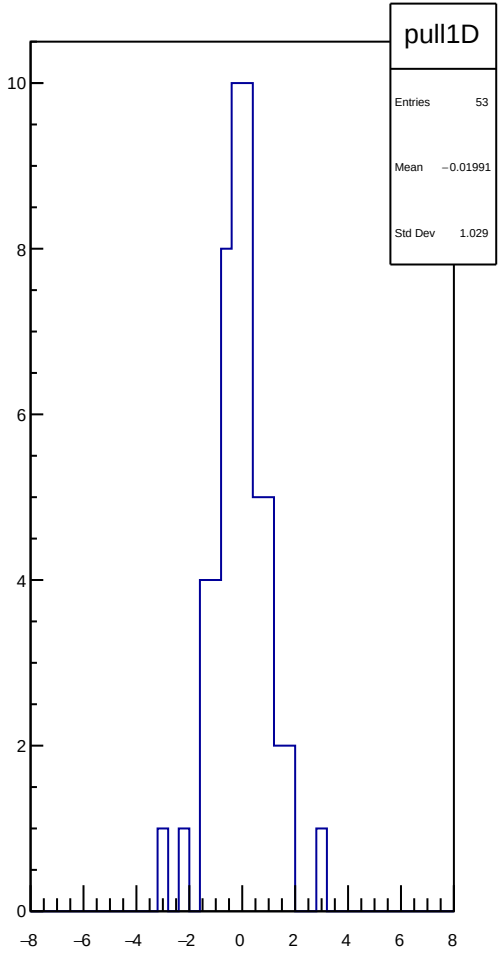

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.31 / 52
p0 −0.09646 ± 0.2761
pull
Entries 53
Mean −90.17
Std Dev 0
pull1D
Entries 53
Mean −0.007279
Std Dev 0.9246

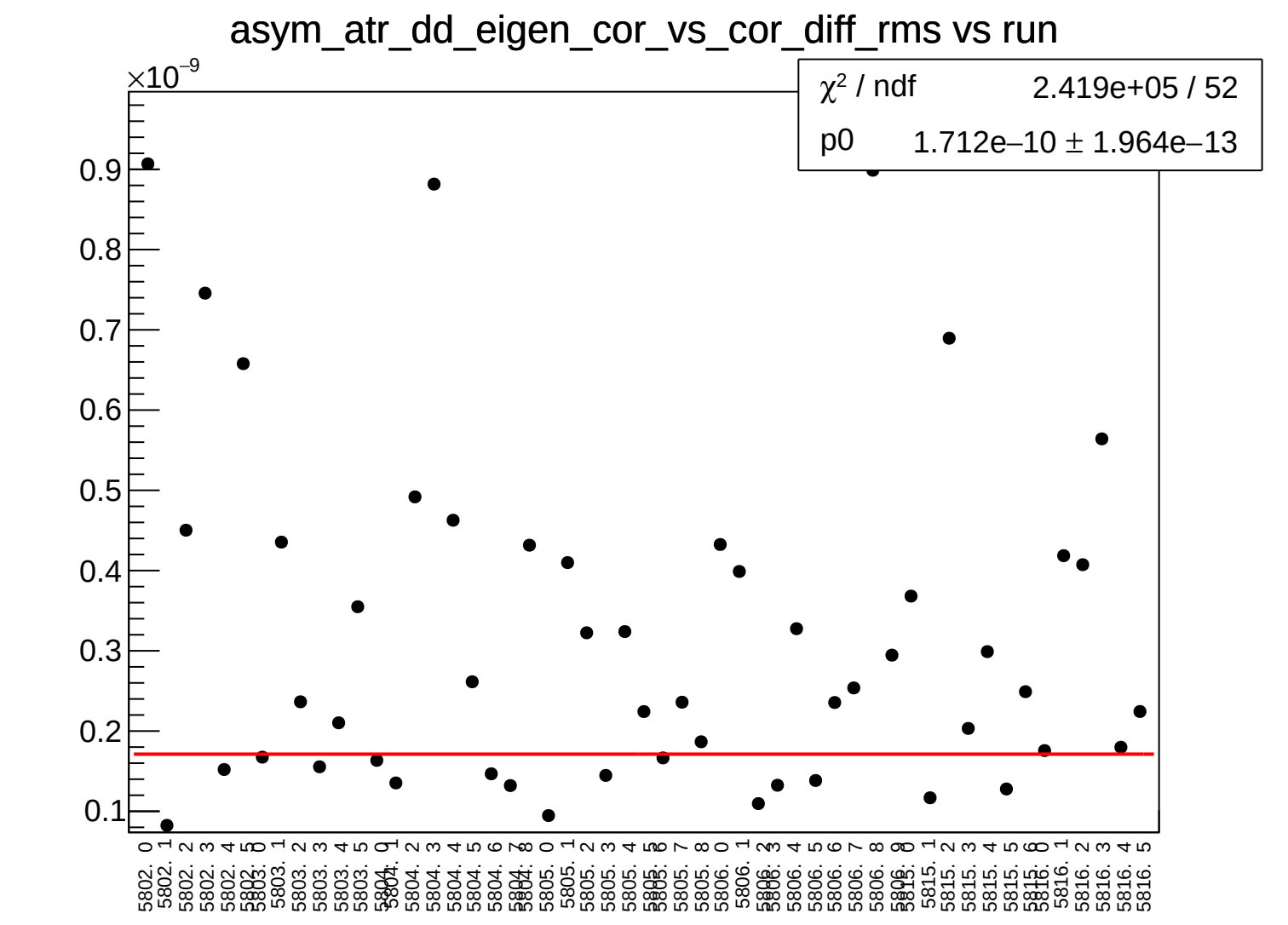

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.621e+04 / 52
p0 193.8 ± 0.1952
260
240
220
200
180
160

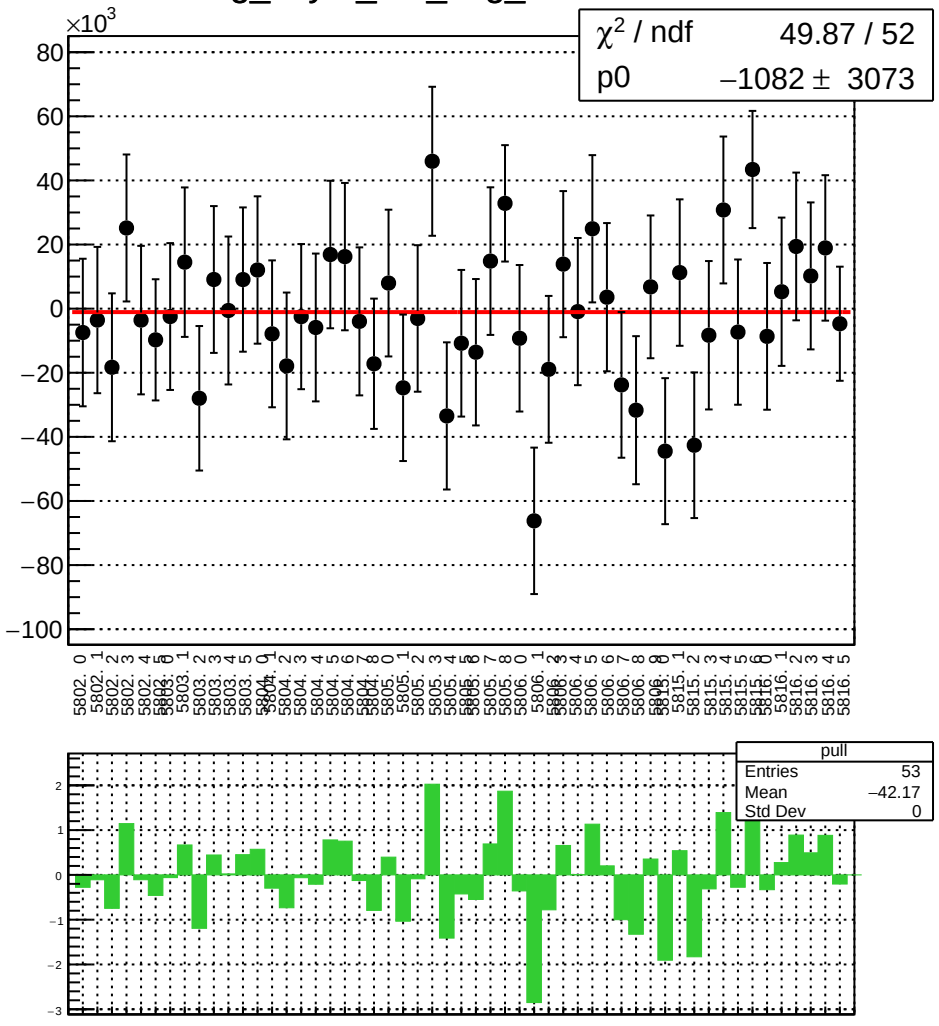

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.31 / 52
p0 −0.09646 ± 0.2761
pull
Entries 53
Mean −90.17
Std Dev 0
pull1D
Entries 53
Mean −0.007279
Std Dev 0.9246

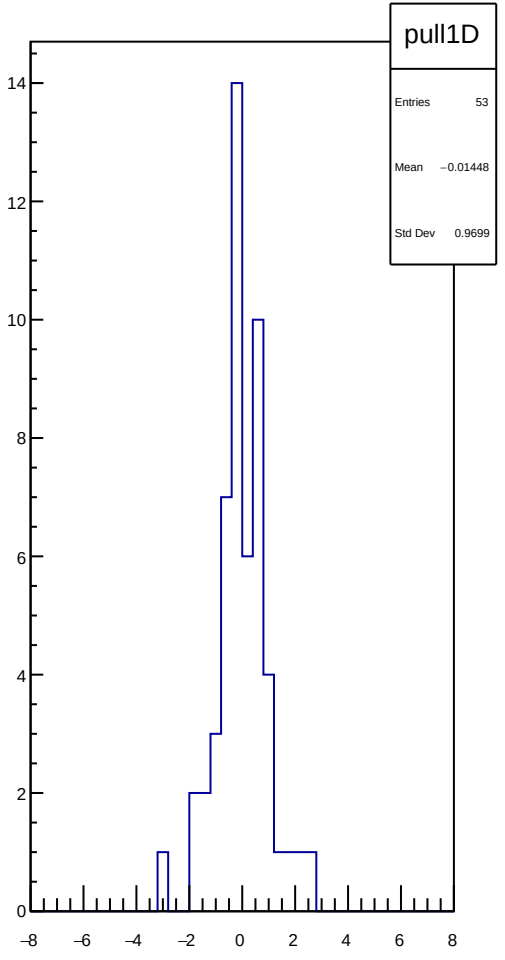

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.621e+04 / 52
p0 193.8 ± 0.1952
260
240
220
200
180
160

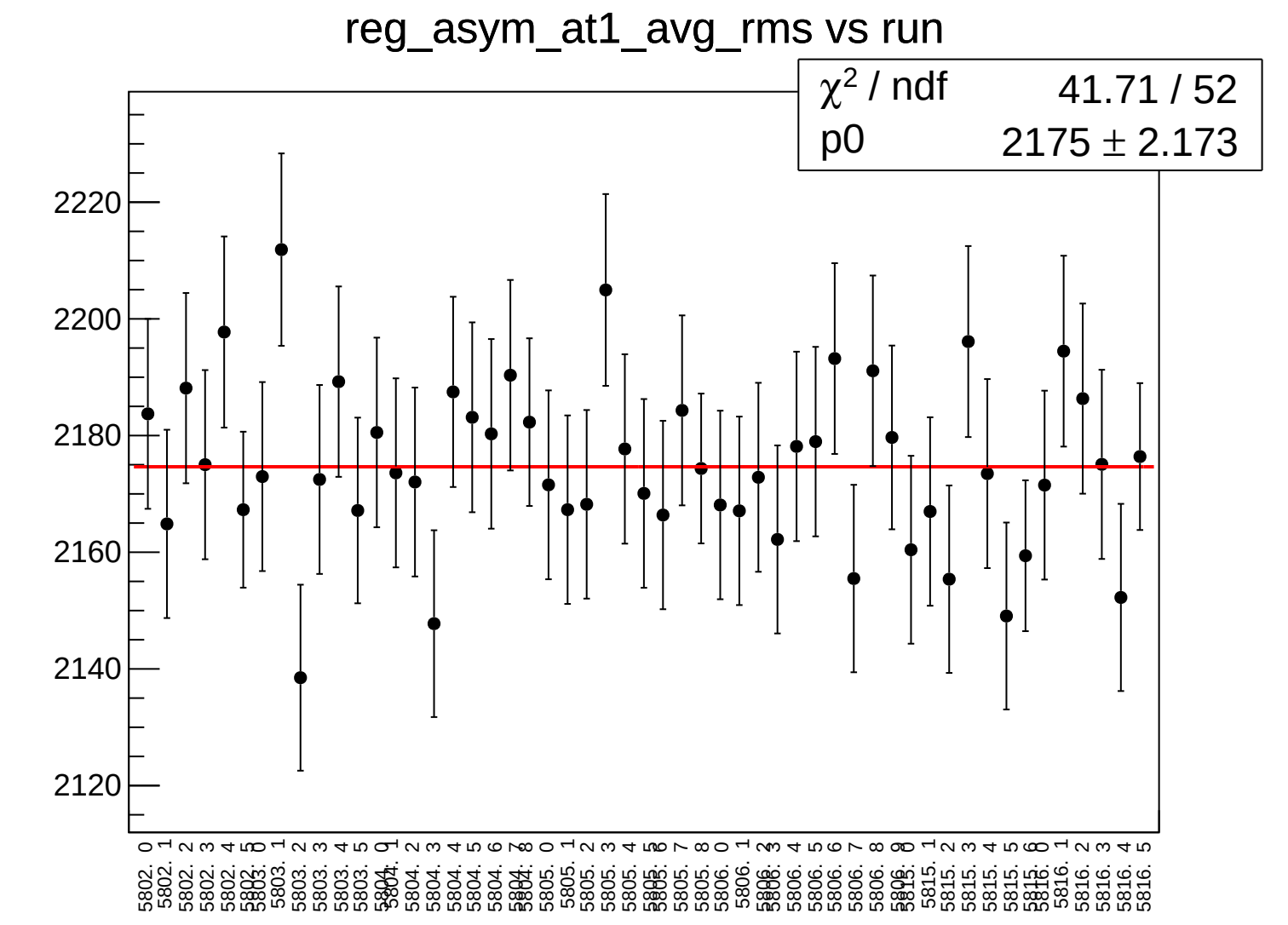

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.17 / 52
p0 −2.687e−13 ± 2.778e−13
pull
Entries 53
Mean −29.39
Std Dev 0

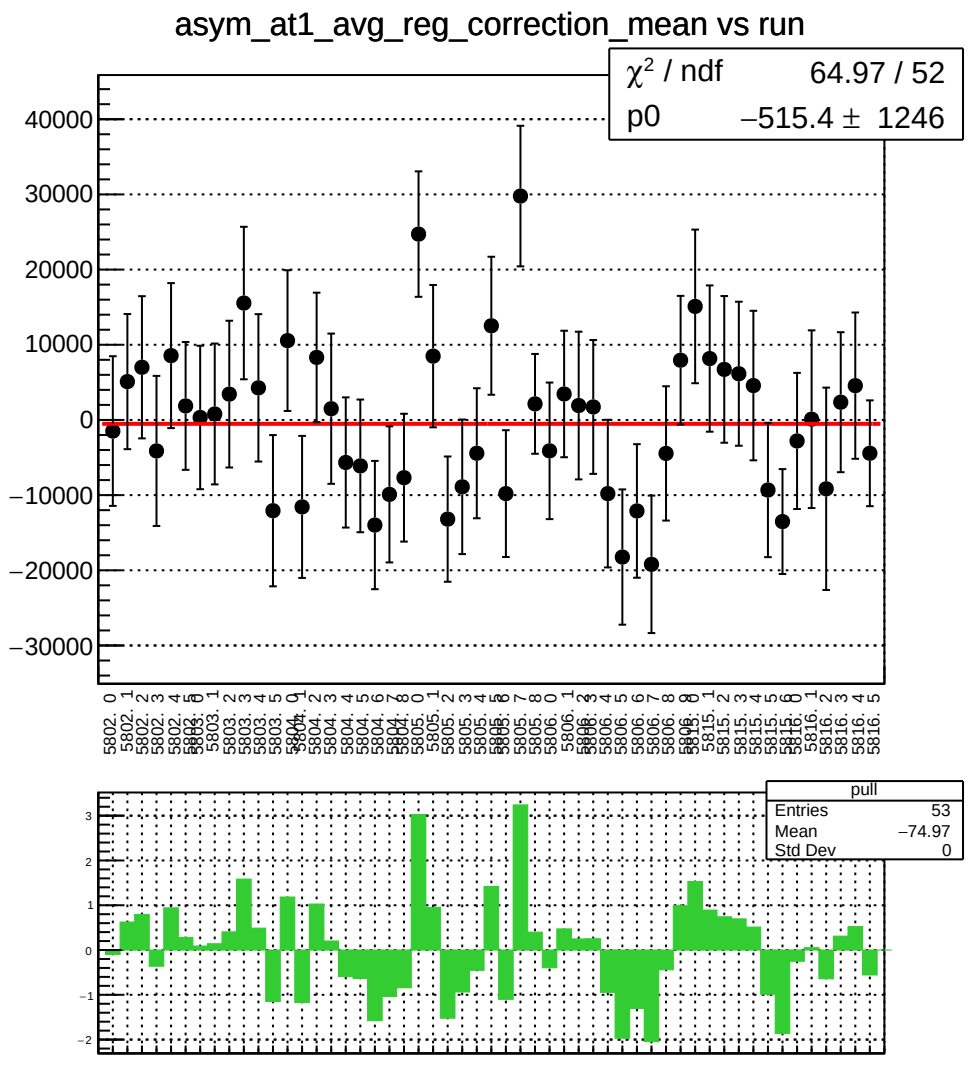

pull1D
Entries 53
Mean −0.01991
Std Dev 1.029

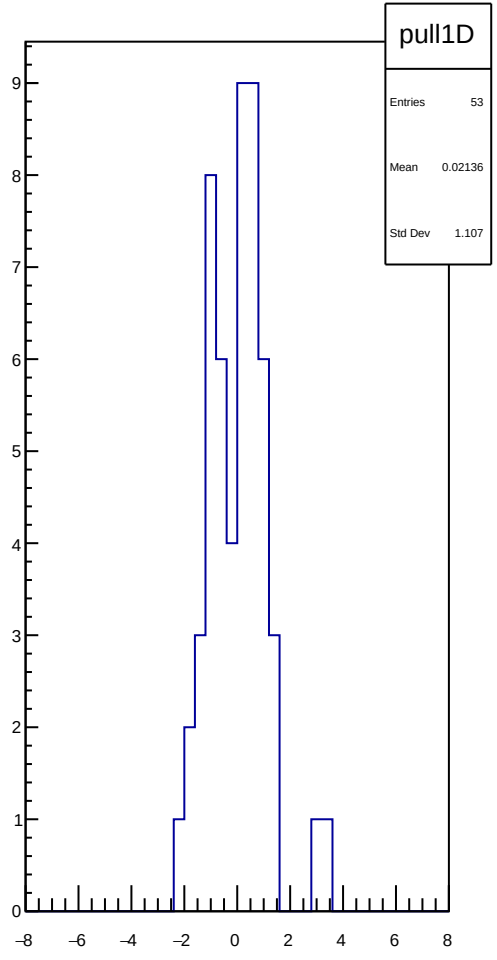

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.419e+05 / 52
p0 1.712e−10 ± 1.964e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

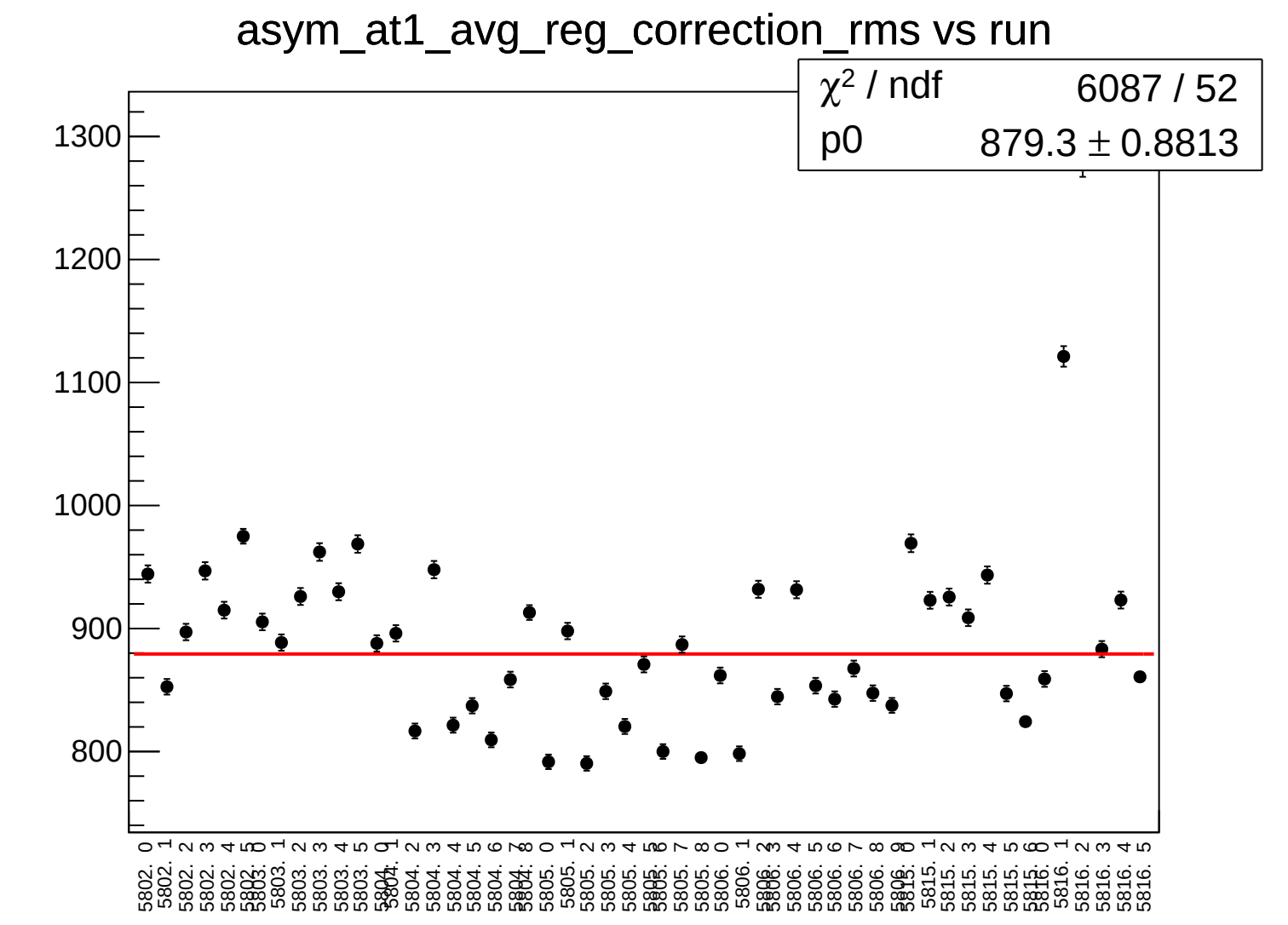

reg_asym_at1_avg_mean vs run
×10^3
χ² / ndf 49.87 / 52
p0 −1082 ± 3073
pull
Entries 53
Mean −42.17
Std Dev 0

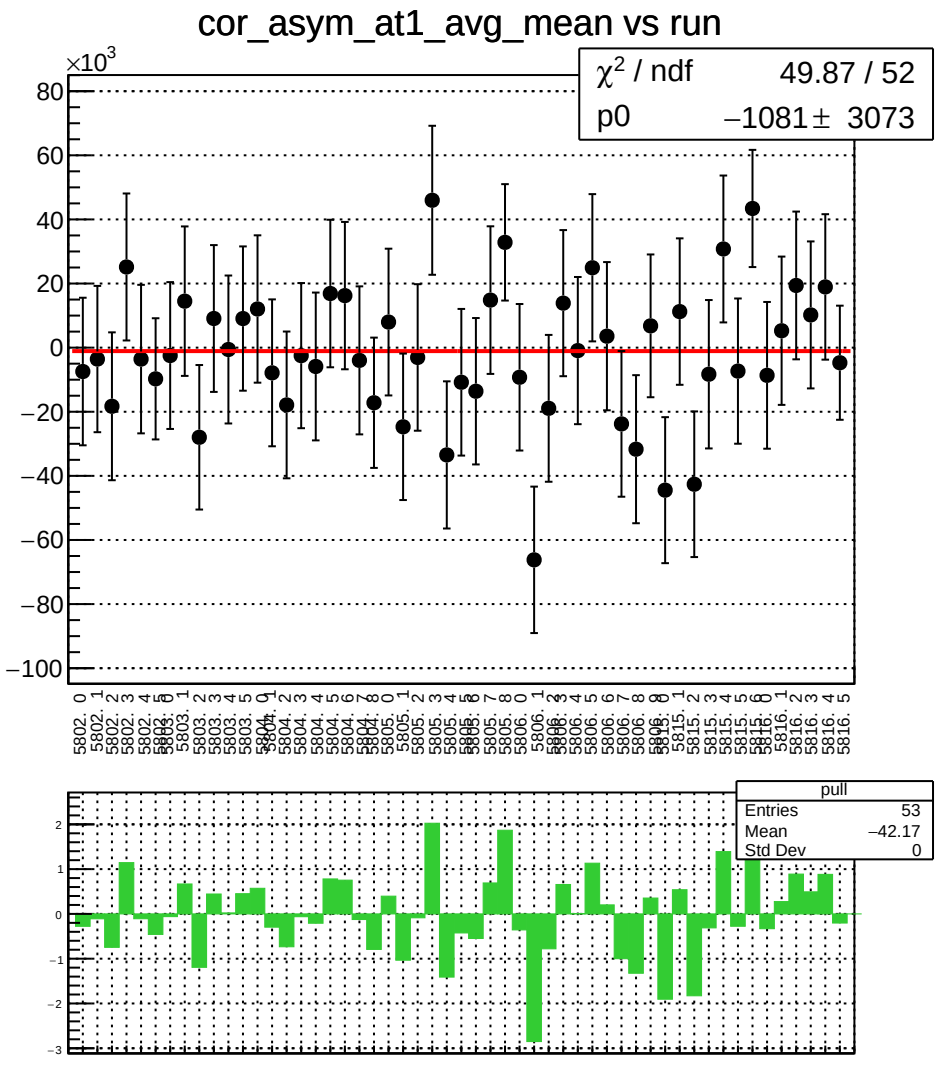

pull1D
Entries 53
Mean −0.01448
Std Dev 0.9699

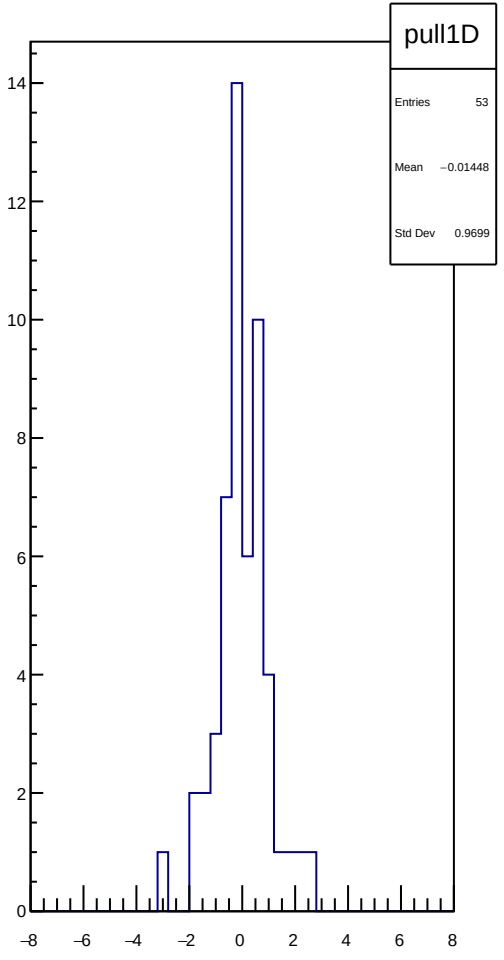

reg_asym_at1_avg_rms vs run
χ² / ndf 41.71 / 52
p0 2175 ± 2.173
2220
2200
2180
2160
2140
2120

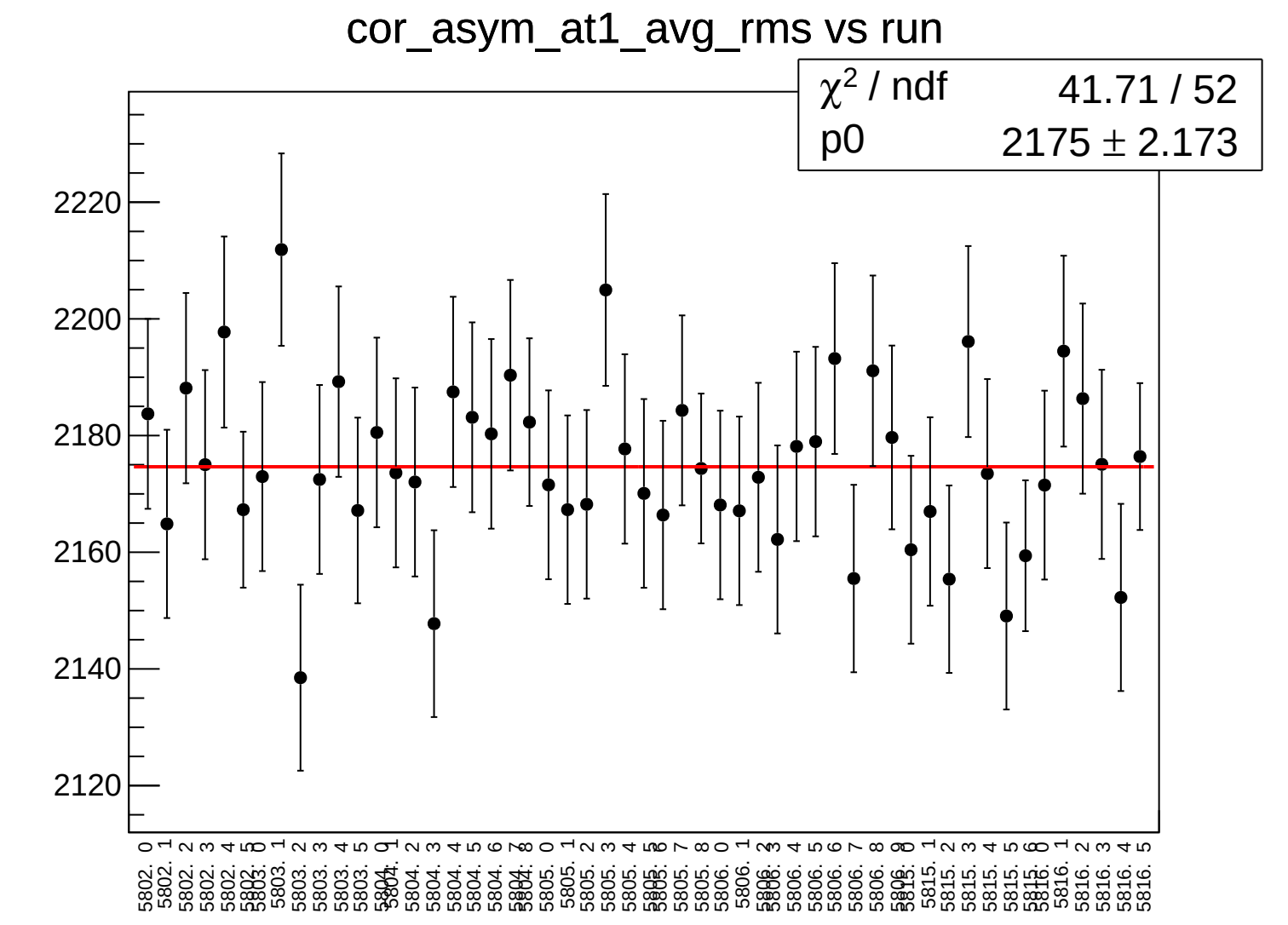

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 64.97 / 52
p0 −515.4 ± 1246
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −74.97
Std Dev 0
3
2
1
0
−1
−2

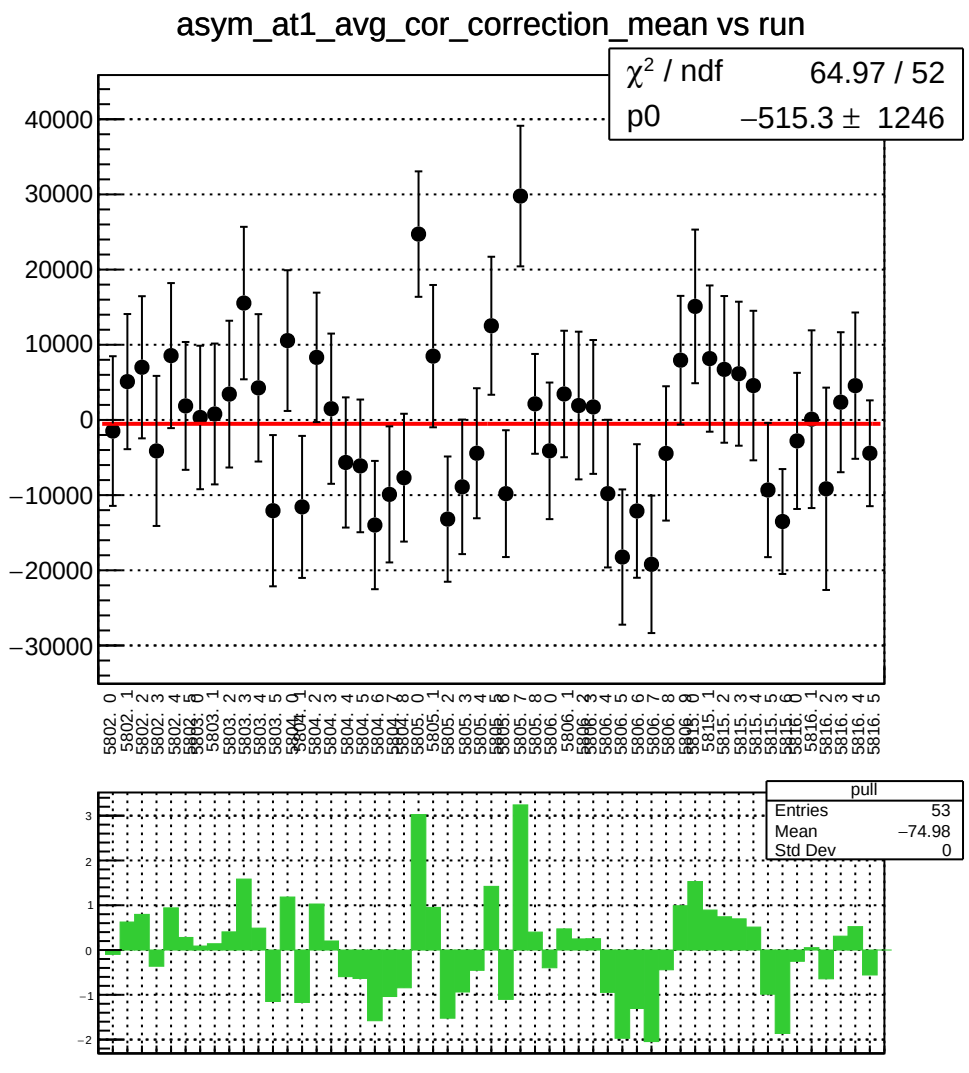

pull1D
Entries 53
Mean 0.02136
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

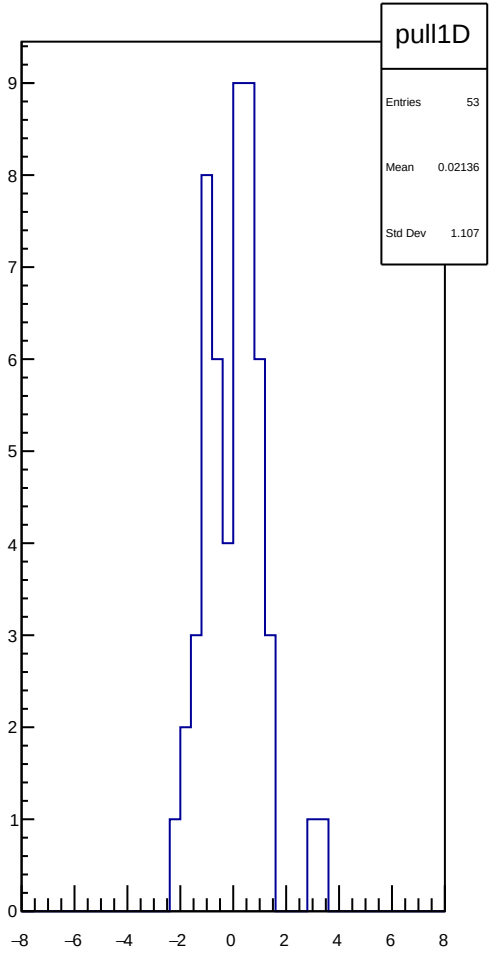

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 6087 / 52
p0 879.3 ± 0.8813
1300
1200
1100
1000
900
800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

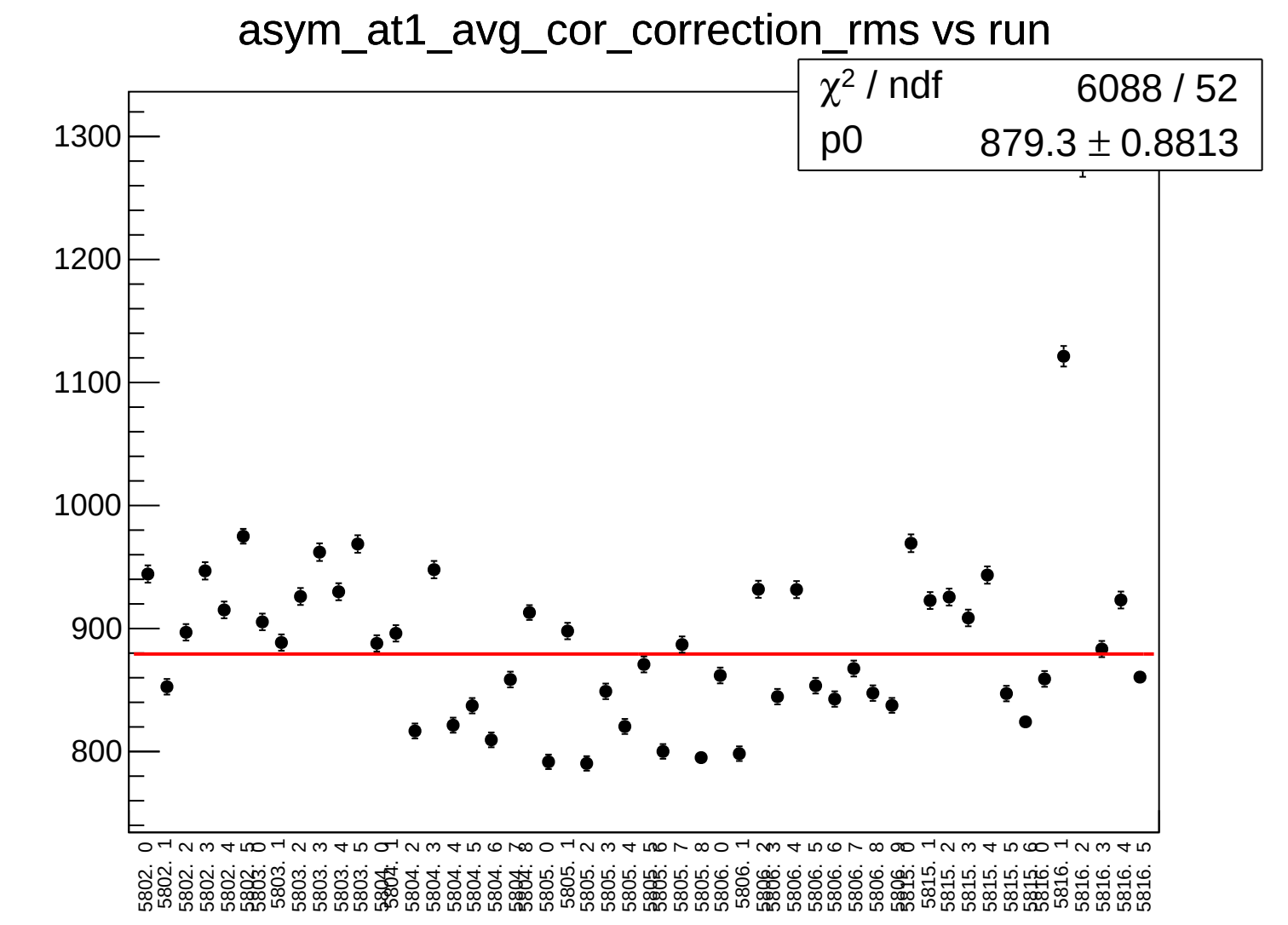

cor_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 49.87 / 52
p0 −1081 ± 3073
pull
Entries 53
Mean −42.17
Std Dev 0

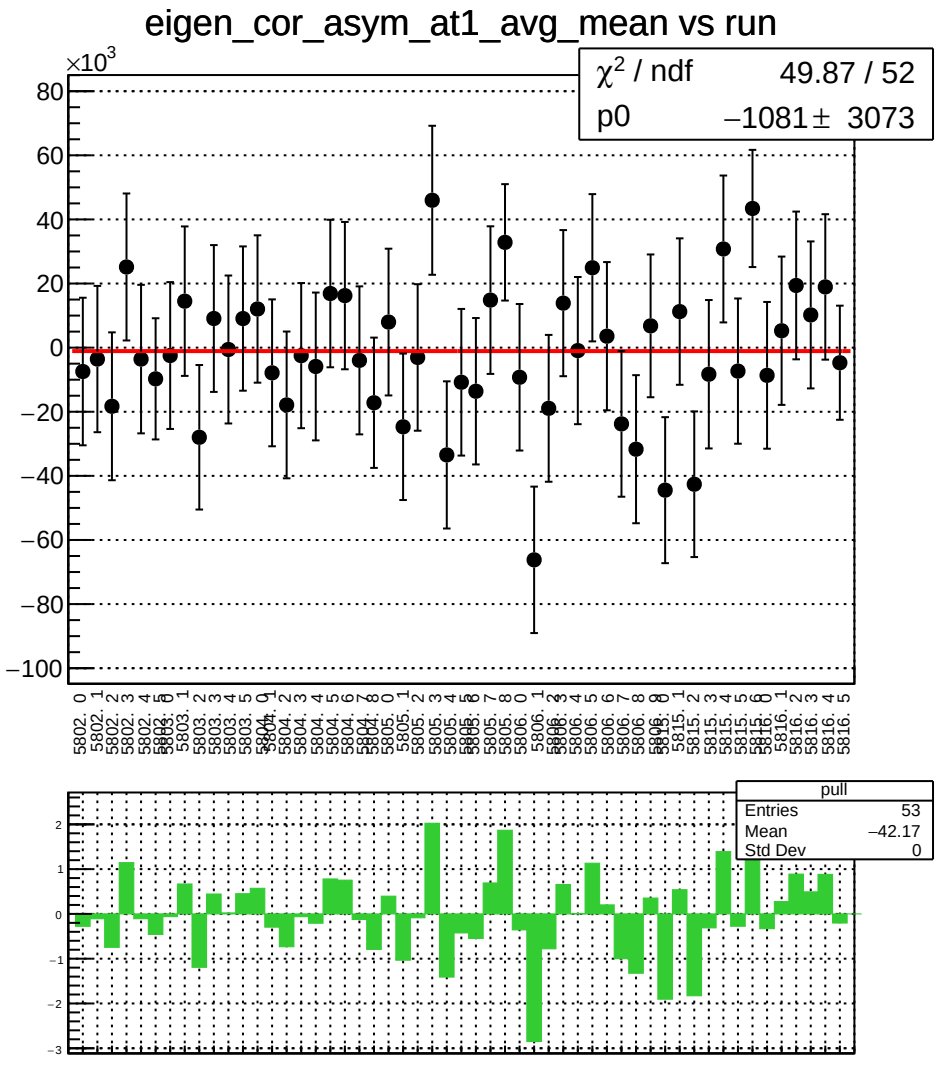

pull1D
Entries 53
Mean −0.01448
Std Dev 0.9699

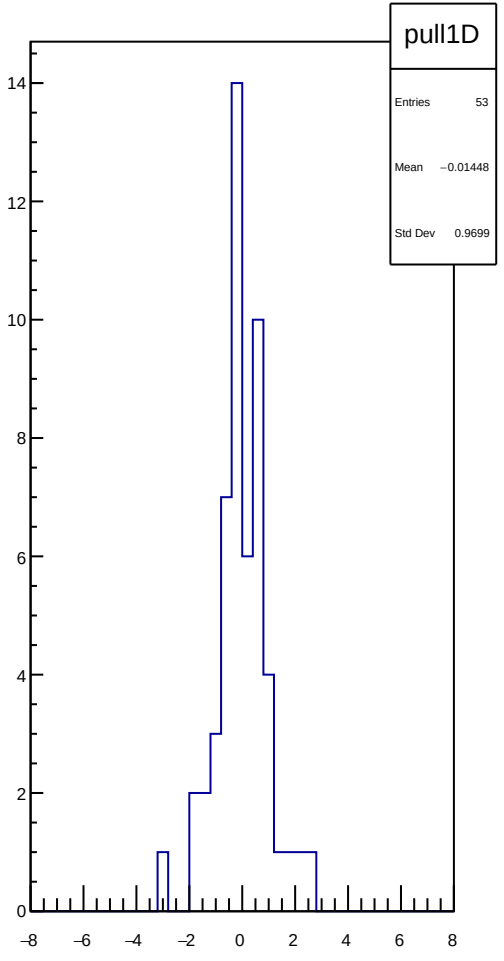

cor_asym_at1_avg_rms vs run
χ² / ndf 41.71 / 52
p0 2175 ± 2.173
2220
2200
2180
2160
2140
2120

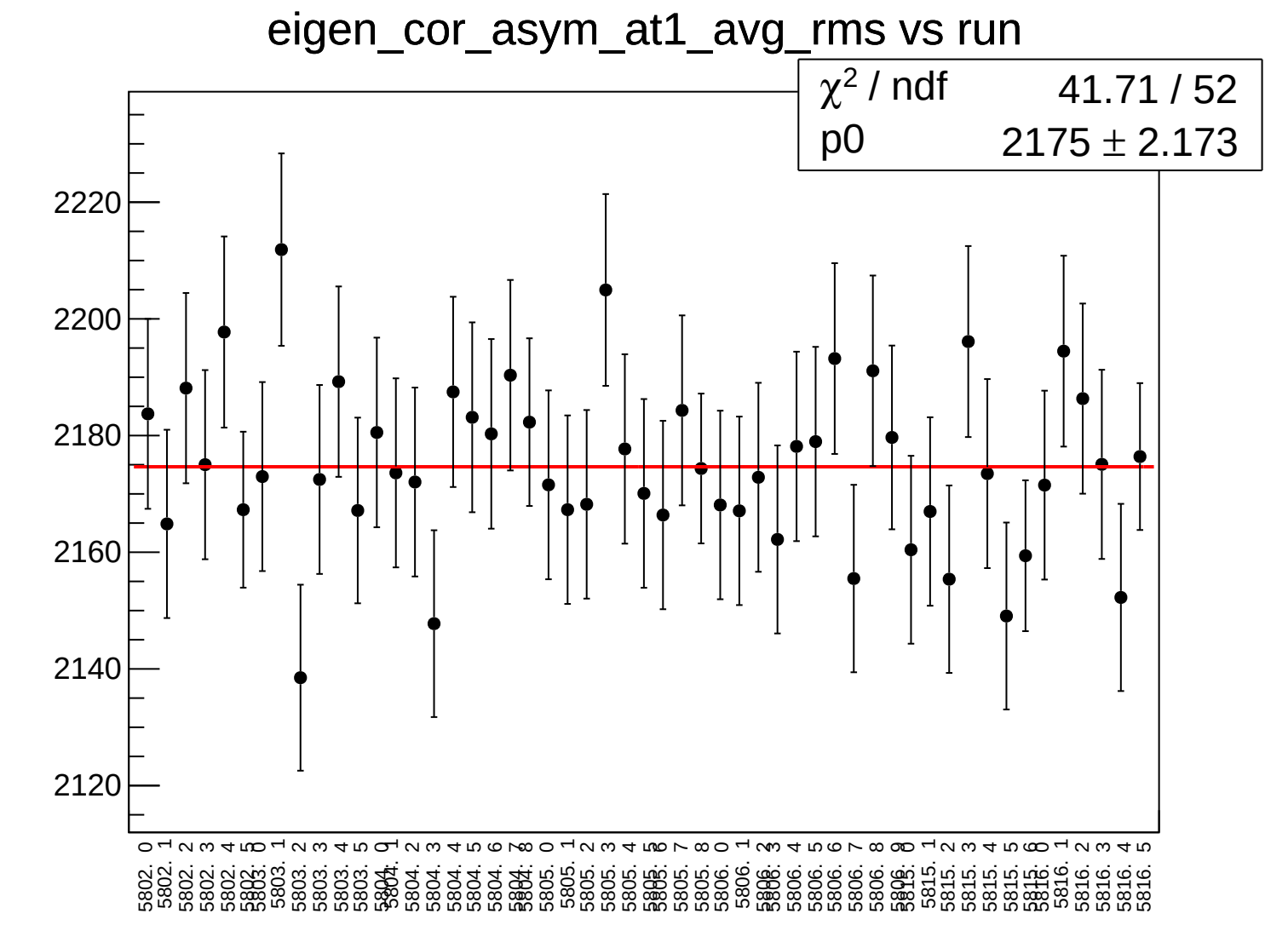

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 64.97 / 52
p0 −515.3 ± 1246
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −74.98
Std Dev 0
3
2
1
0
−1
−2

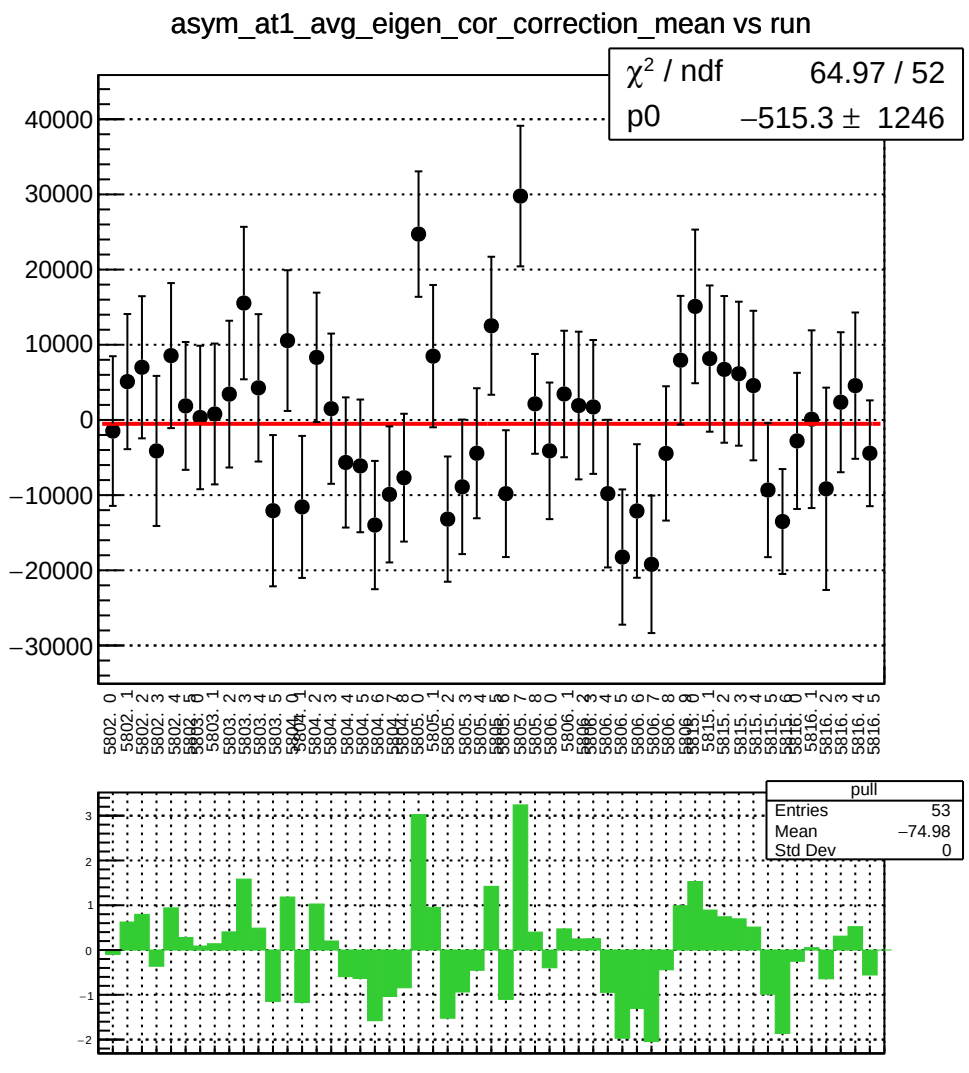

pull1D
Entries 53
Mean 0.02136
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

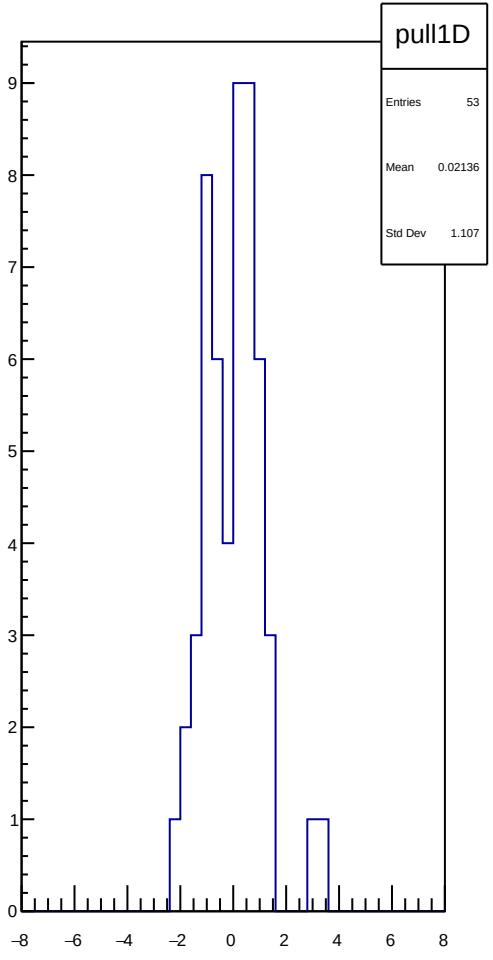

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 6088 / 52
p0 879.3 ± 0.8813
1300
1200
1100
1000
900
800

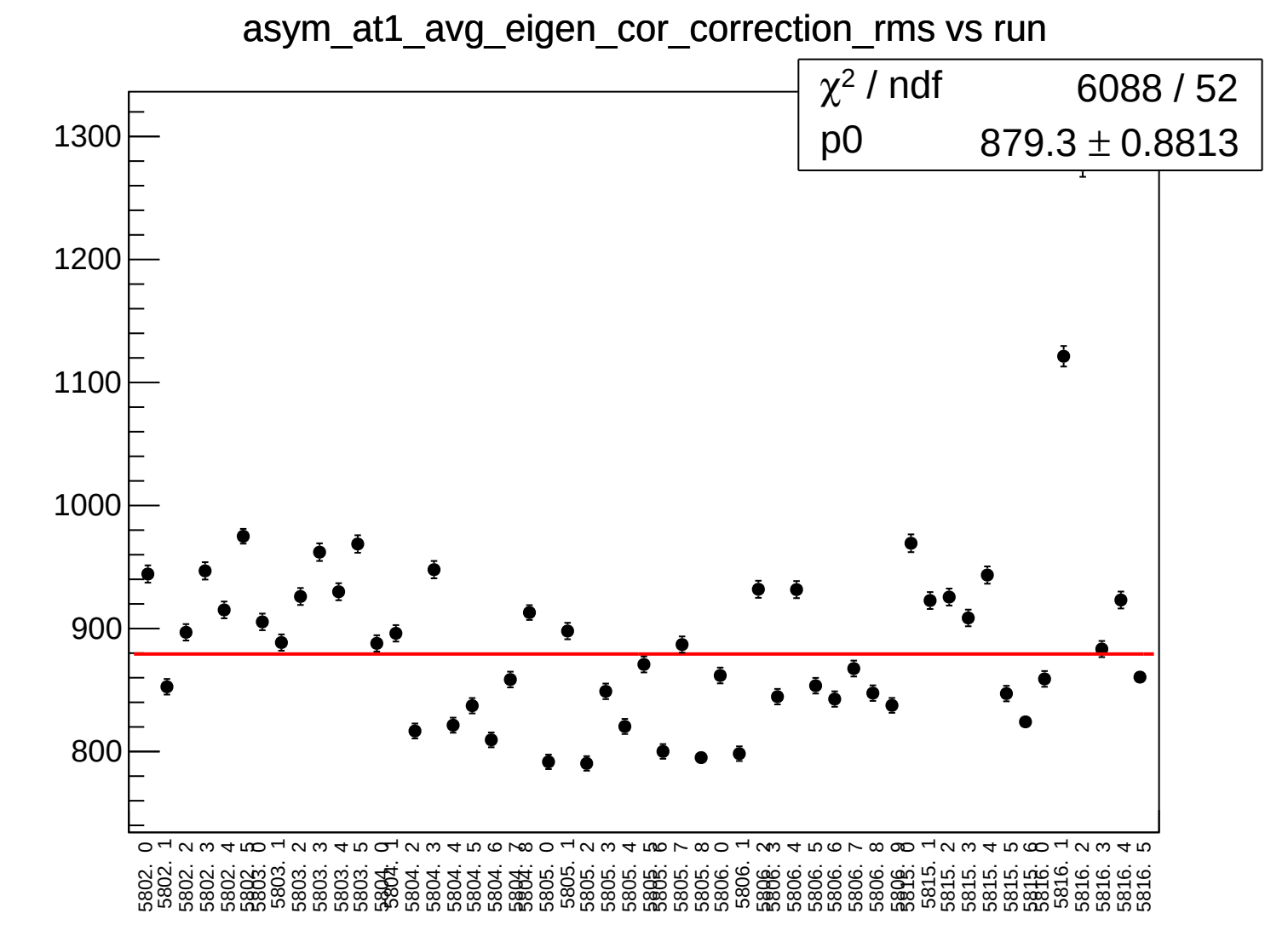

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 49.87 / 52
p0 −1081 ± 3073
×10³
pull
Entries 53
Mean −42.17
Std Dev 0

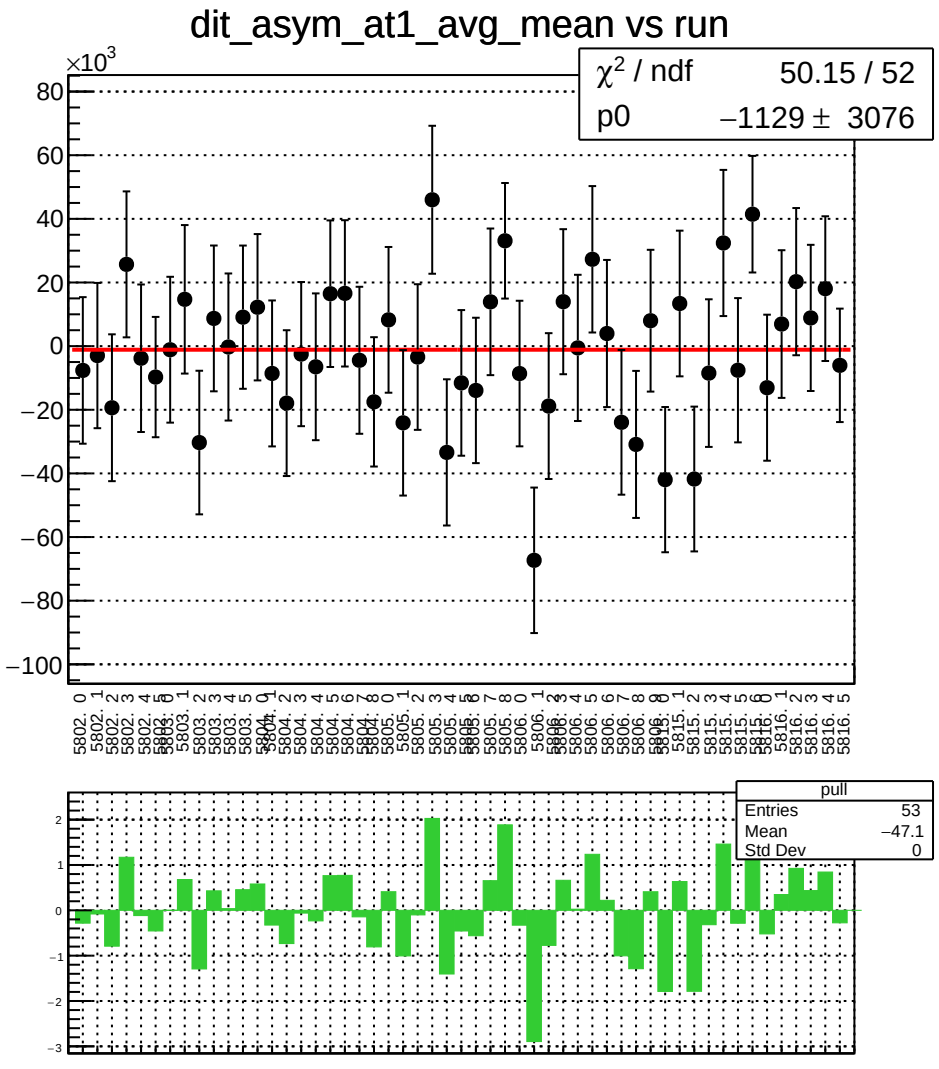

pull1D
Entries 53
Mean −0.01448
Std Dev 0.9699

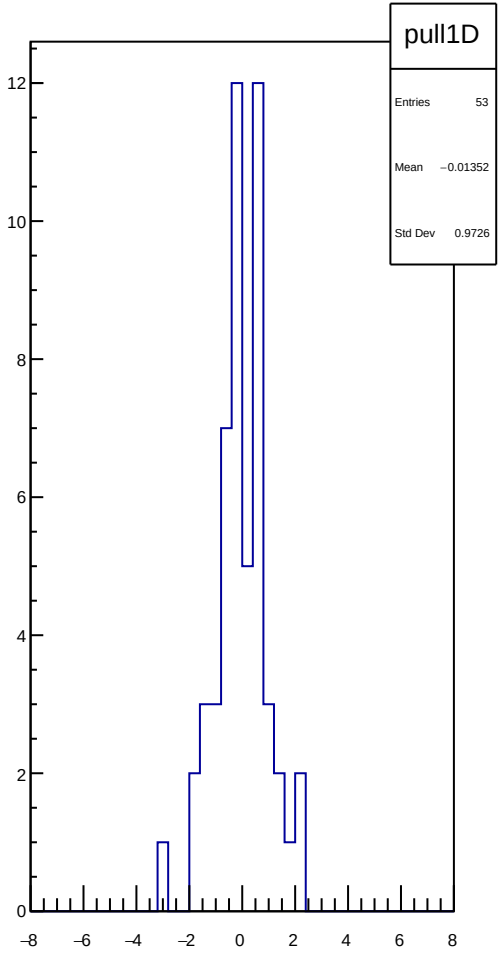

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 41.71 / 52
p0 2175 ± 2.173
2220
2200
2180
2160
2140
2120

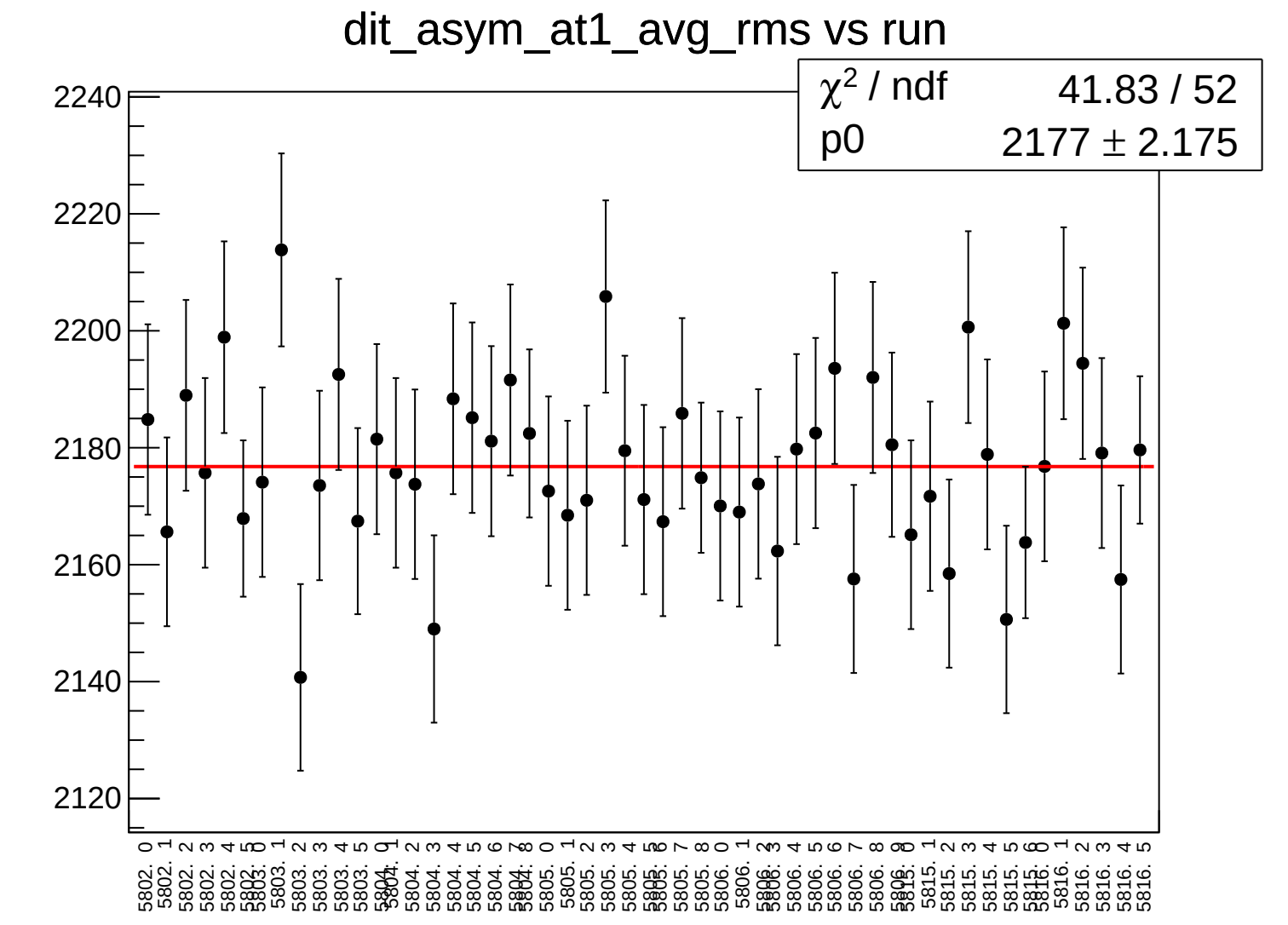

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.97 / 52
p0 −515.3 ± 1246
pull
Entries 53
Mean −74.98
Std Dev 0

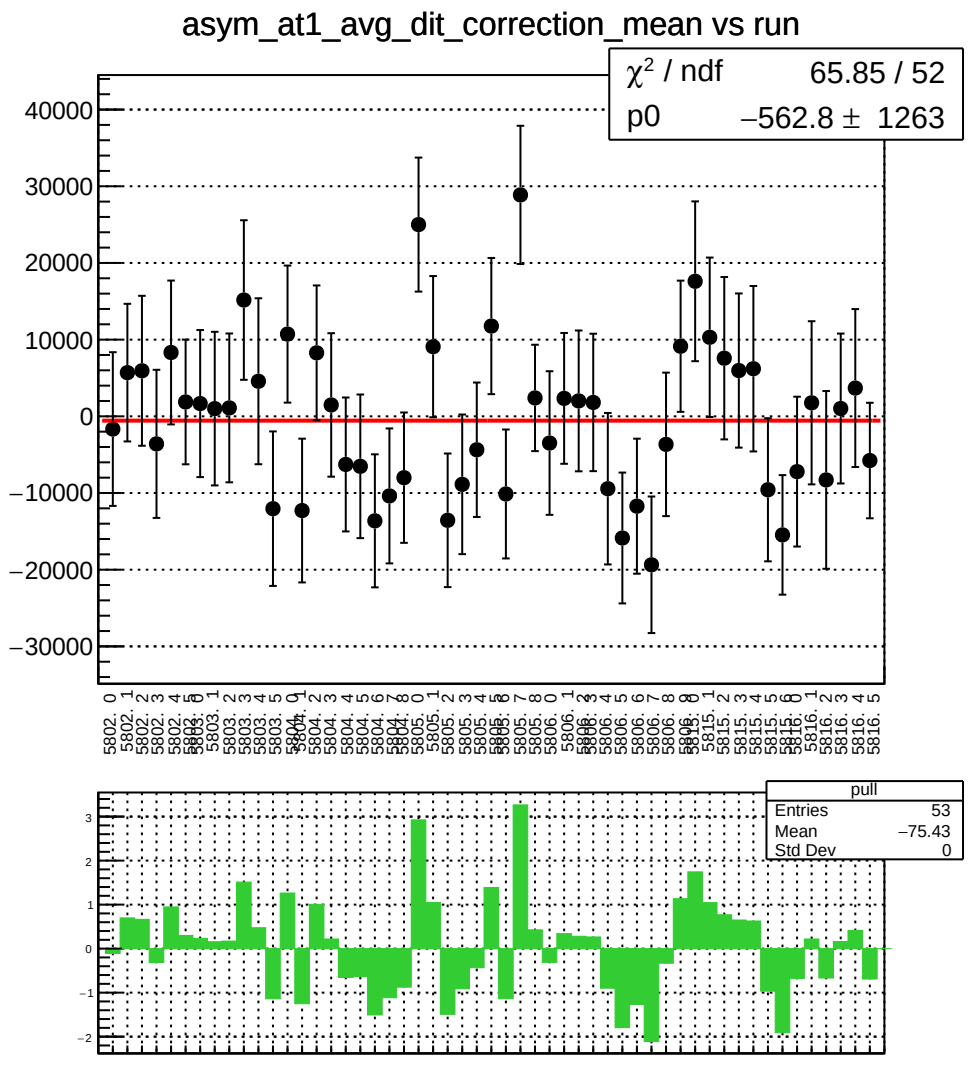

pull1D
Entries 53
Mean 0.02136
Std Dev 1.107

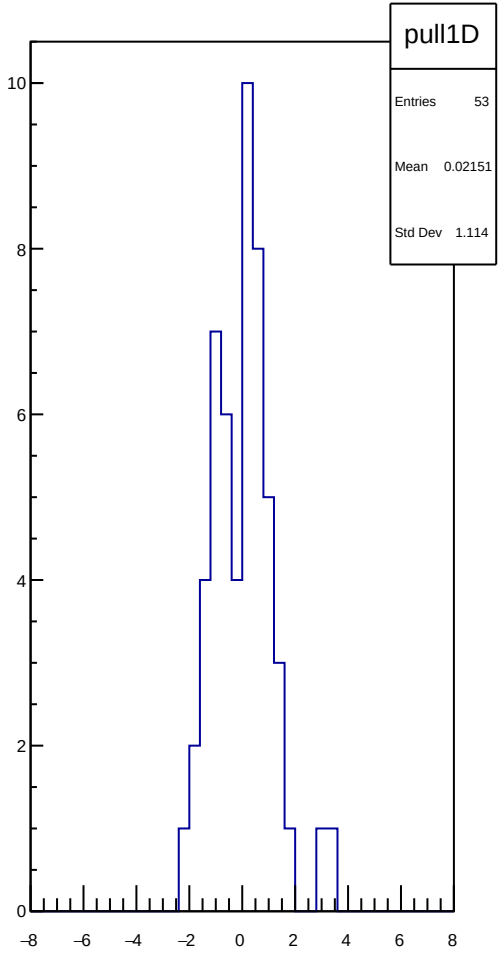

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 6088 / 52
p0 879.3 ± 0.8813
1300
1200
1100
1000
900
800

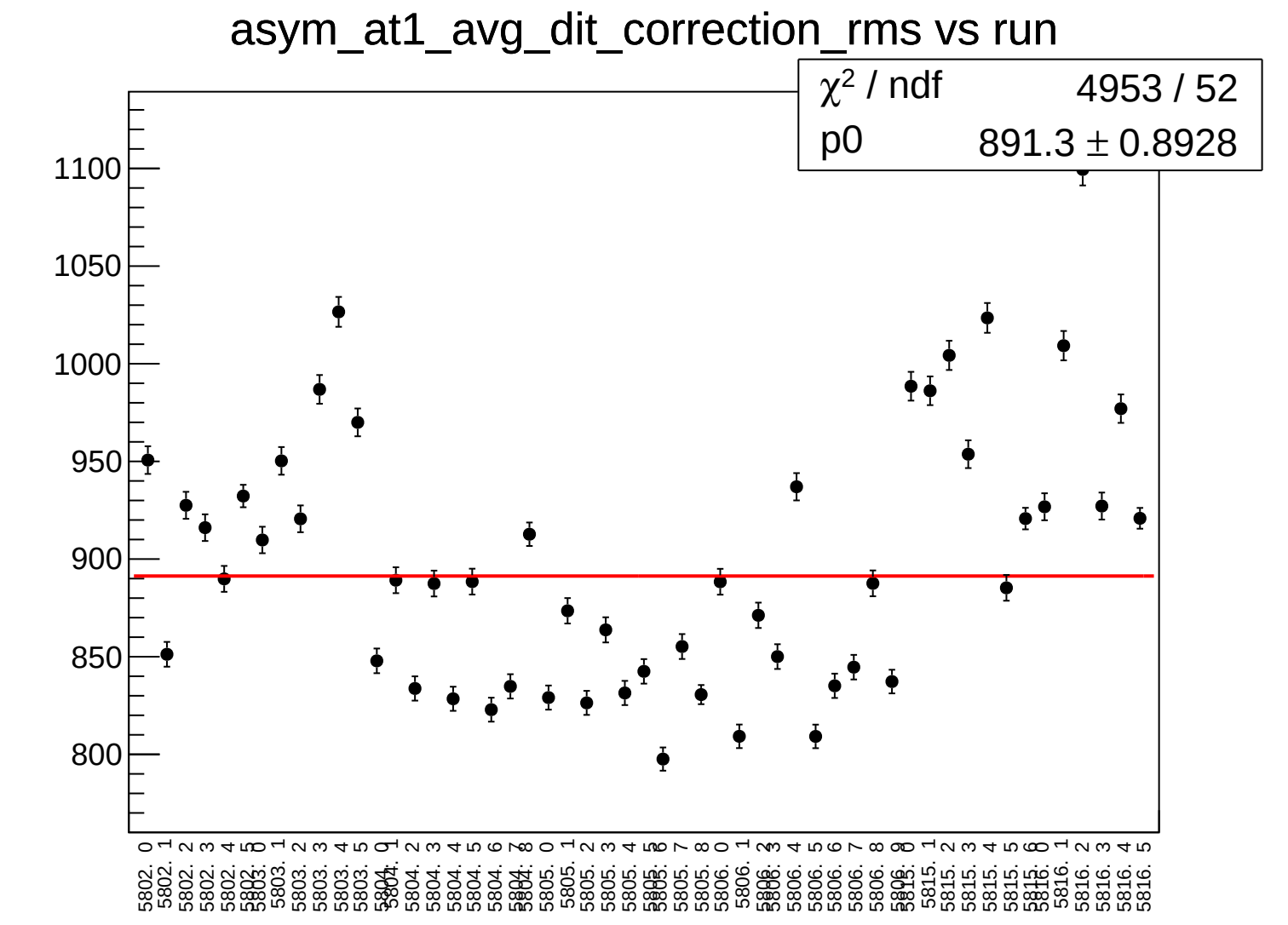

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 50.15 / 52
p0 −1129 ± 3076
pull
Entries 53
Mean −47.1
Std Dev 0

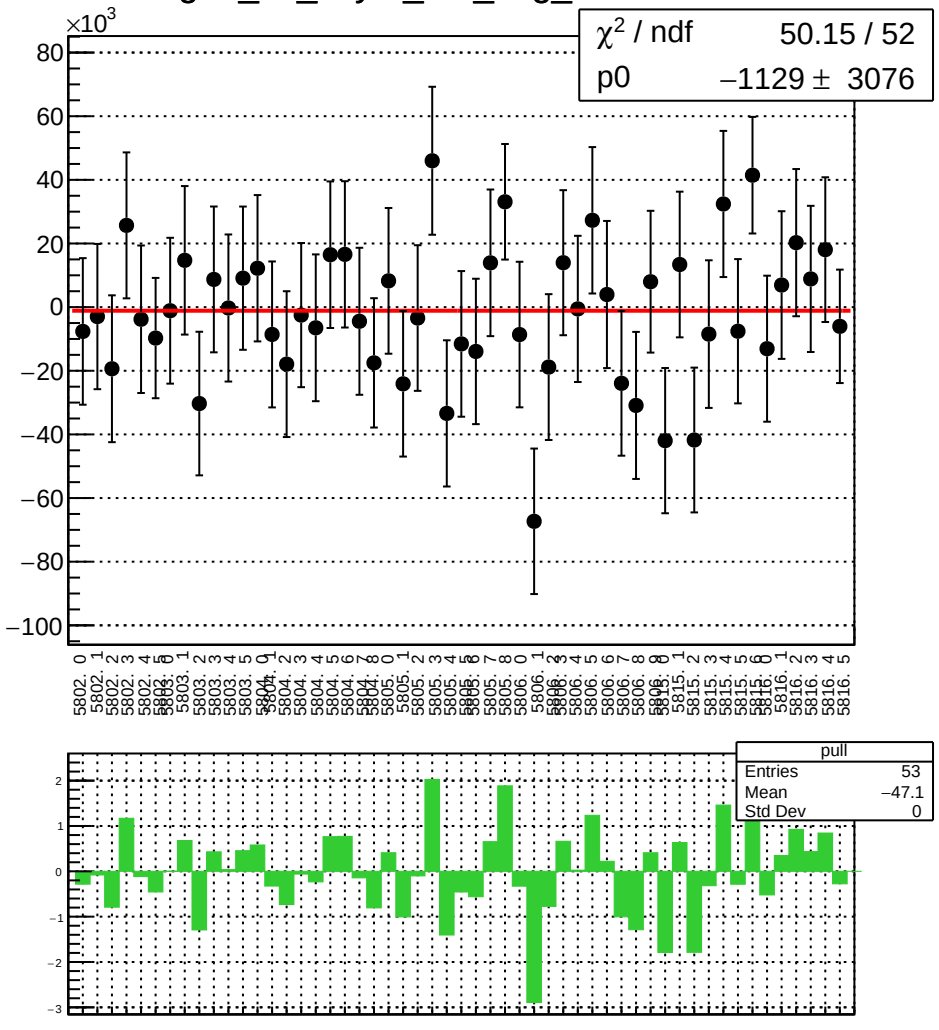

pull1D
Entries 53
Mean −0.01352
Std Dev 0.9726

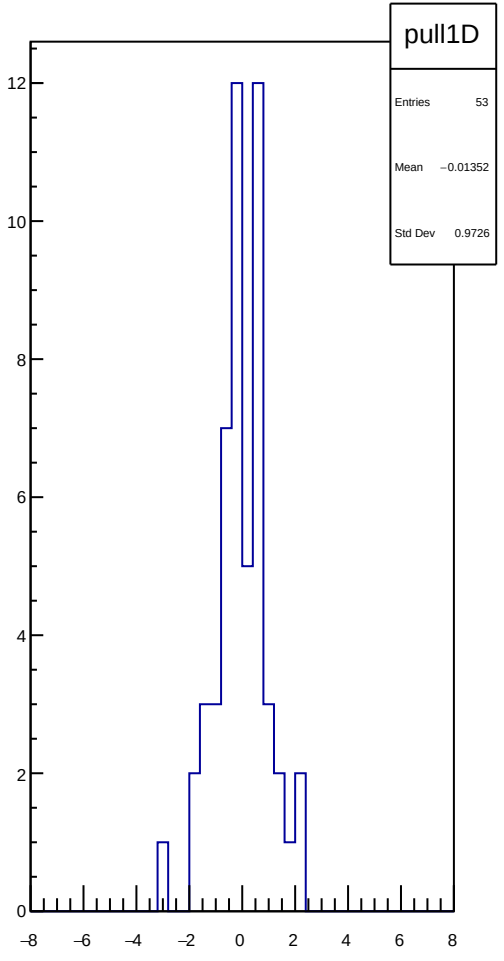

dit_asym_at1_avg_rms vs run
χ^2 / ndf 41.83 / 52
p0 2177 ± 2.175
2240
2220
2200
2180
2160
2140
2120

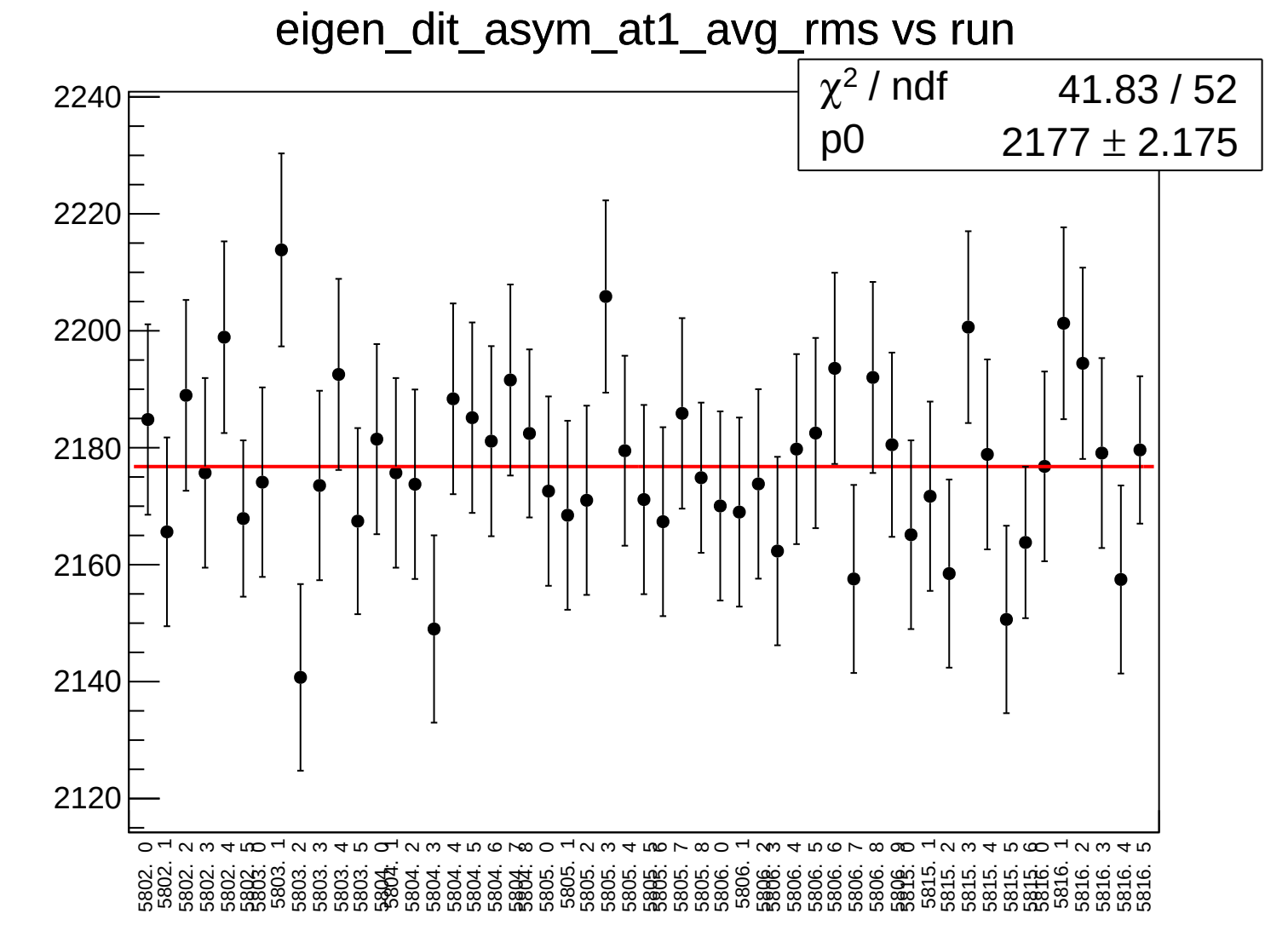

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 65.85 / 52
p0 −562.8 ± 1263
pull
Entries 53
Mean −75.43
Std Dev 0


pull1D
Entries 53
Mean 0.02151
Std Dev 1.114


asym_at1_avg_dit_correction_rms vs run
χ² / ndf 4953 / 52
p0 891.3 ± 0.8928
1100
1050
1000
950
900
850
800


eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 50.15 / 52
p0 −1129 ± 3076
pull
Entries 53
Mean −47.1
Std Dev 0


pull1D
Entries 53
Mean −0.01352
Std Dev 0.9726


eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 41.83 / 52
p0 2177 ± 2.175
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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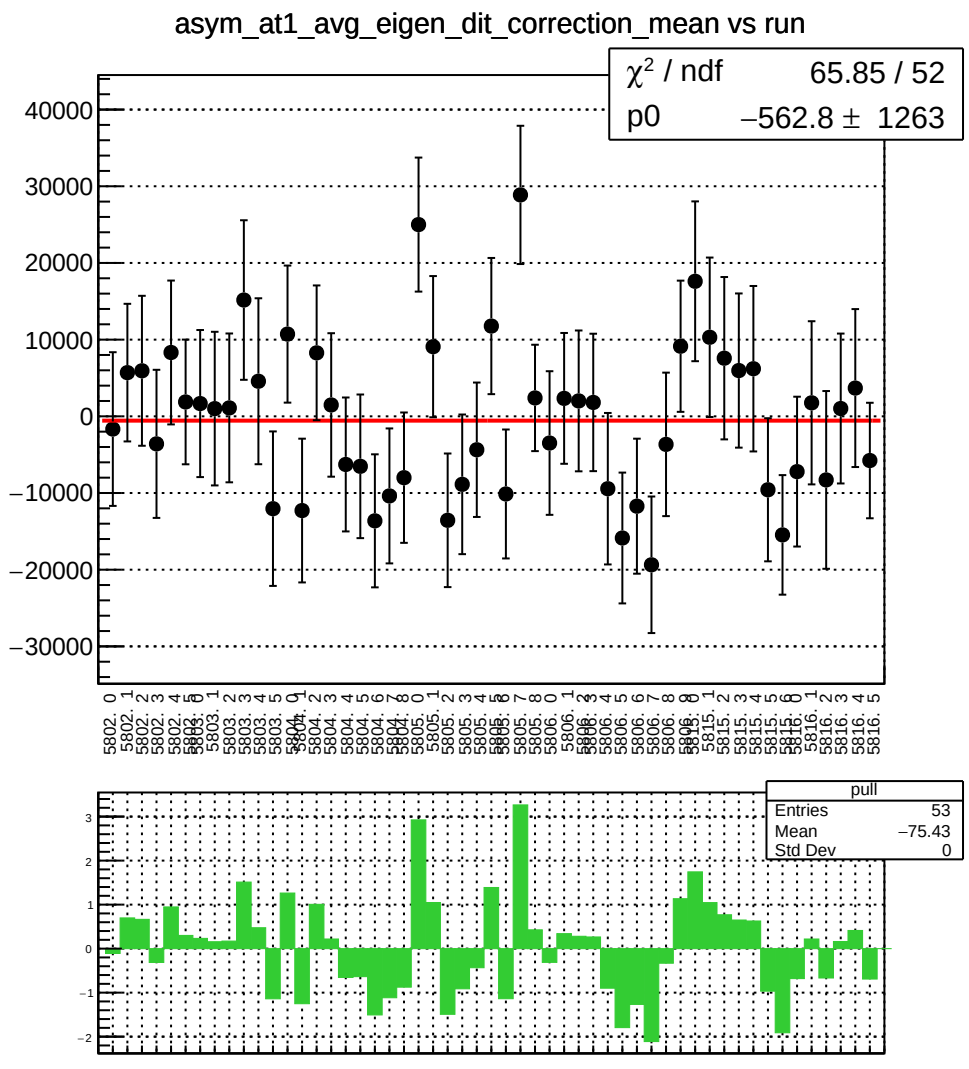
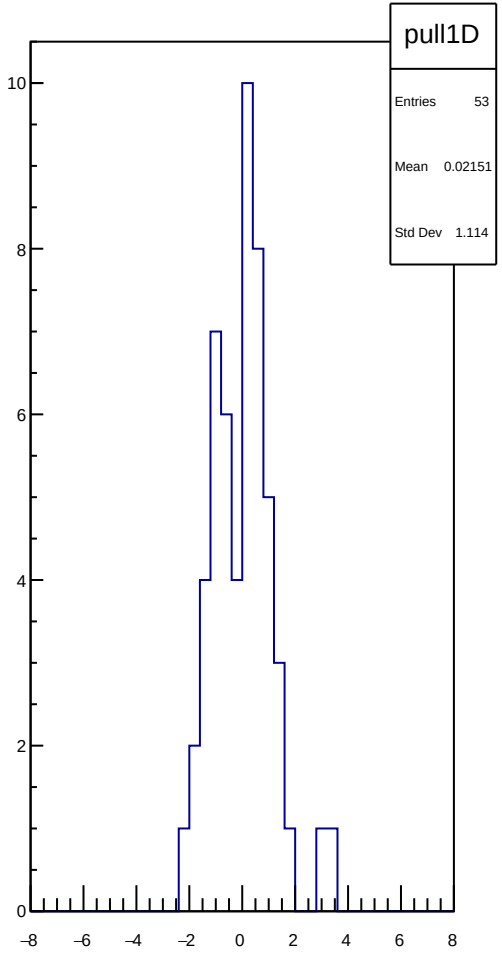
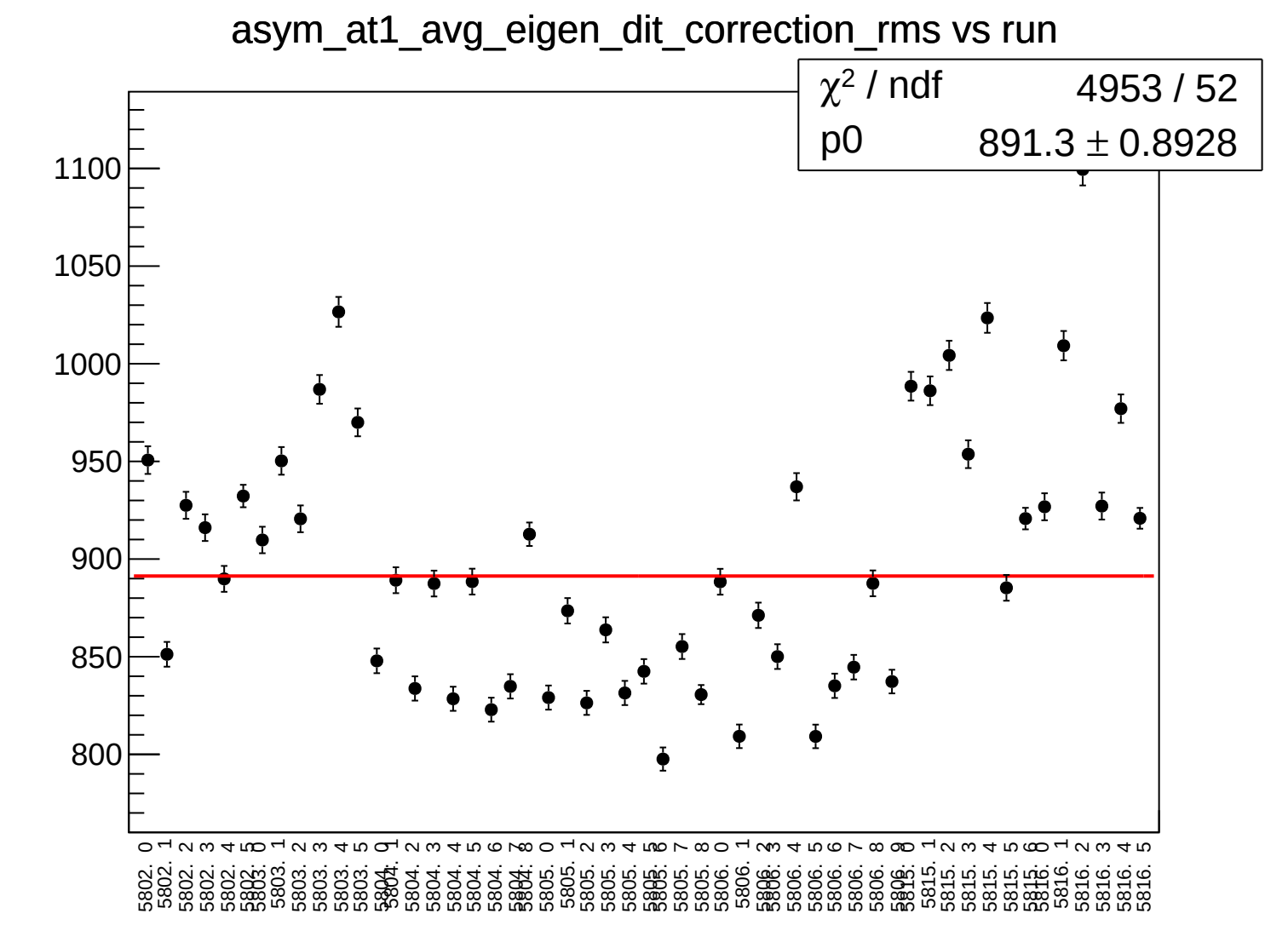
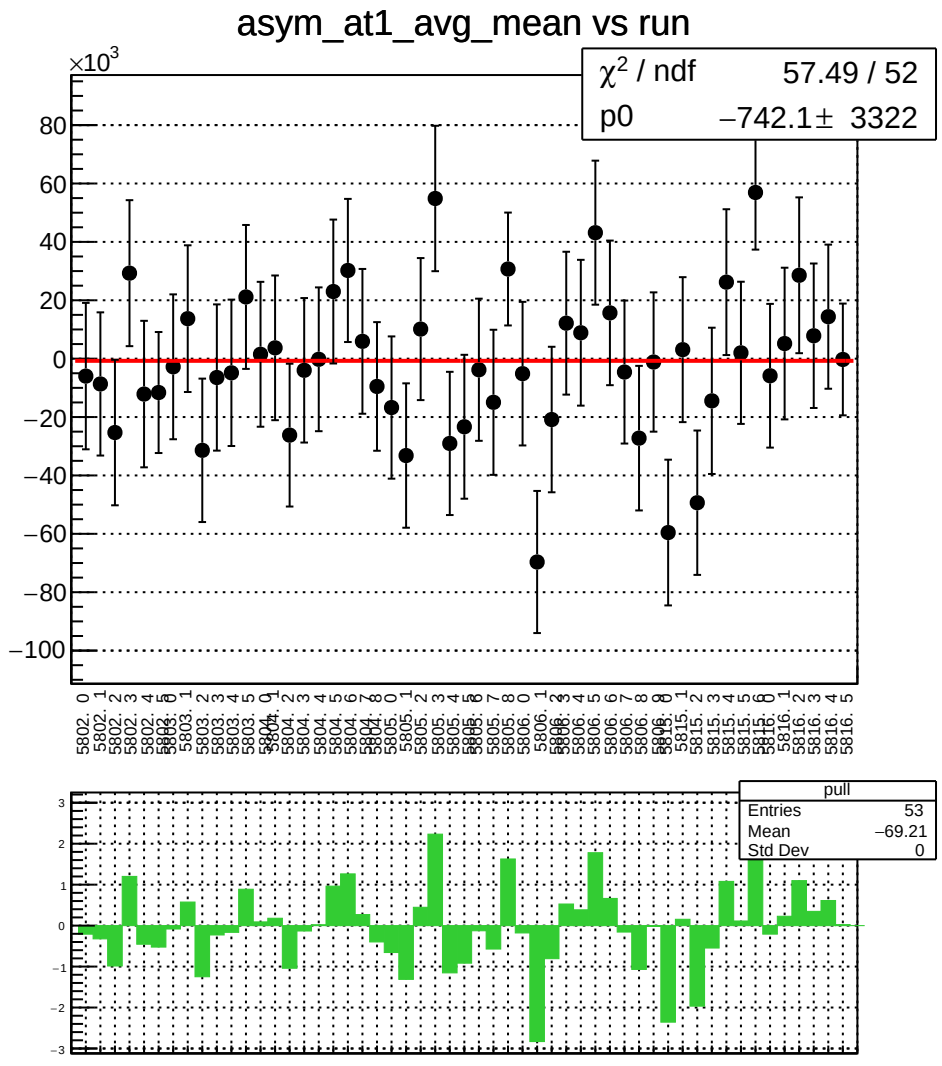
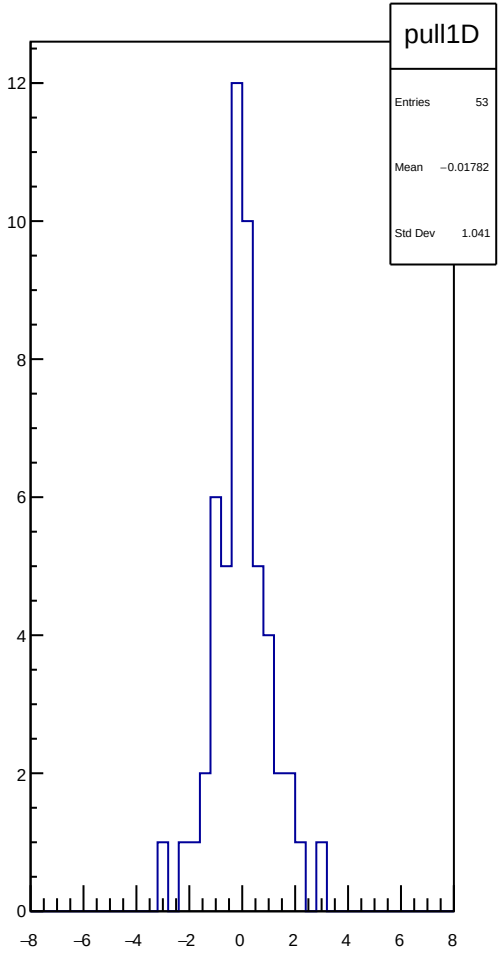
5816. 2
5816. 3
5816. 4
5816. 5

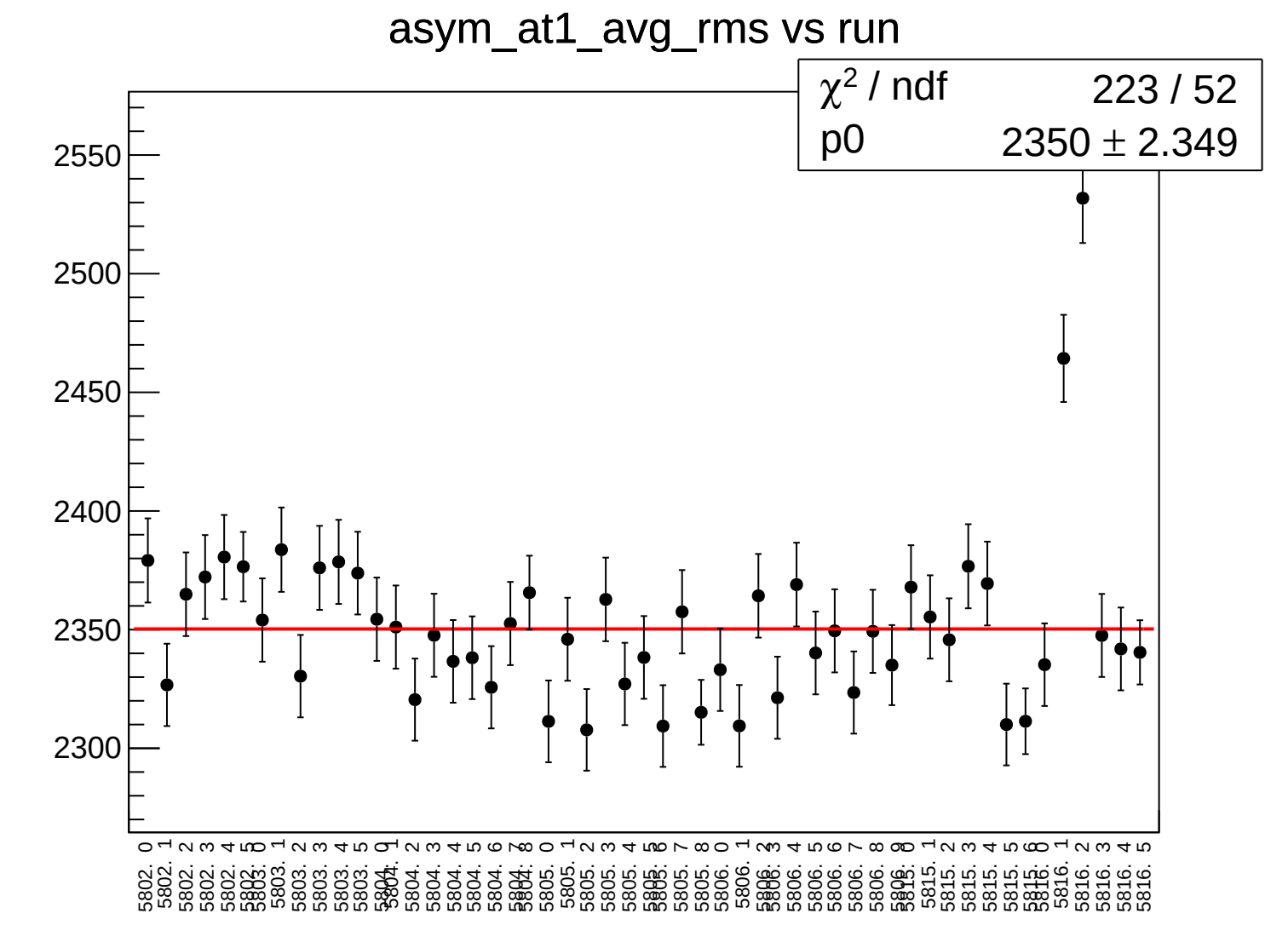

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.85 / 52
p0 −562.8 ± 1263
pull
Entries 53
Mean −75.43
Std Dev 0

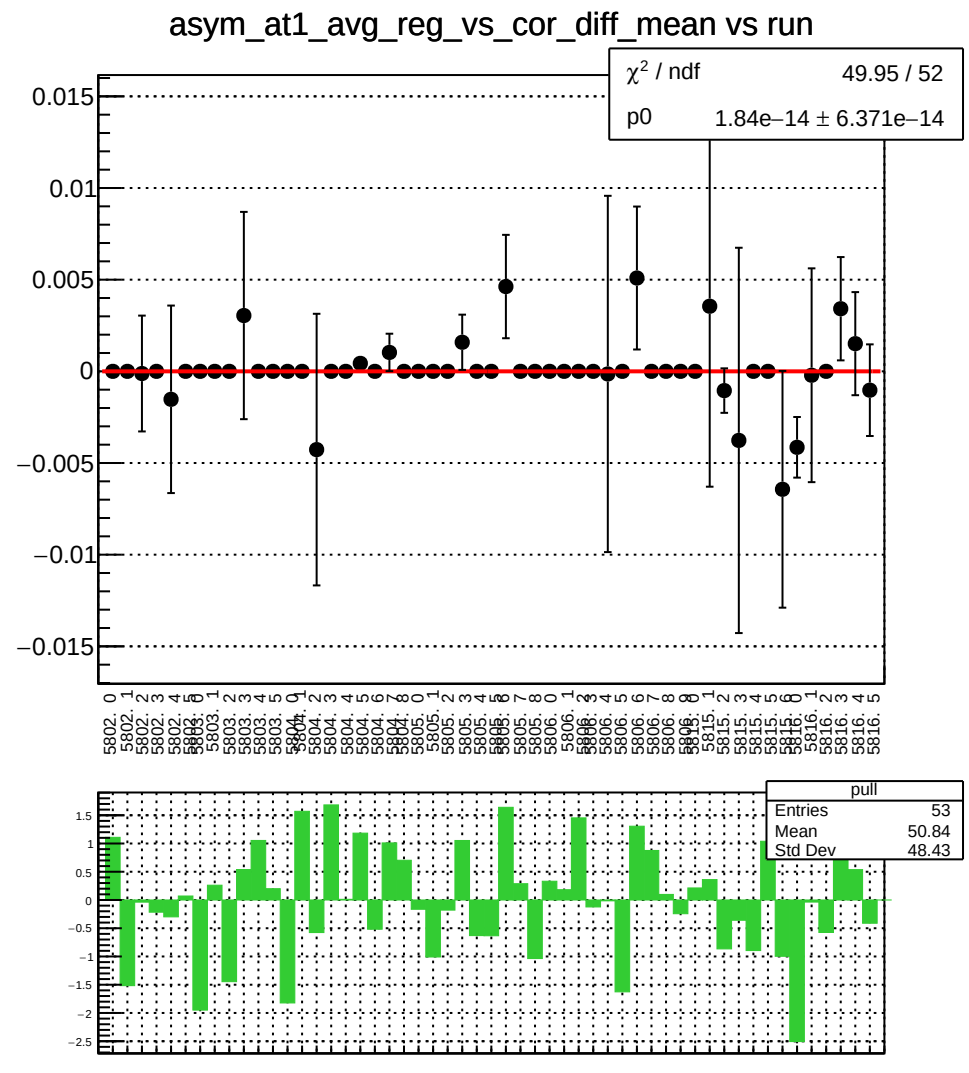

pull1D
Entries 53
Mean 0.02151
Std Dev 1.114

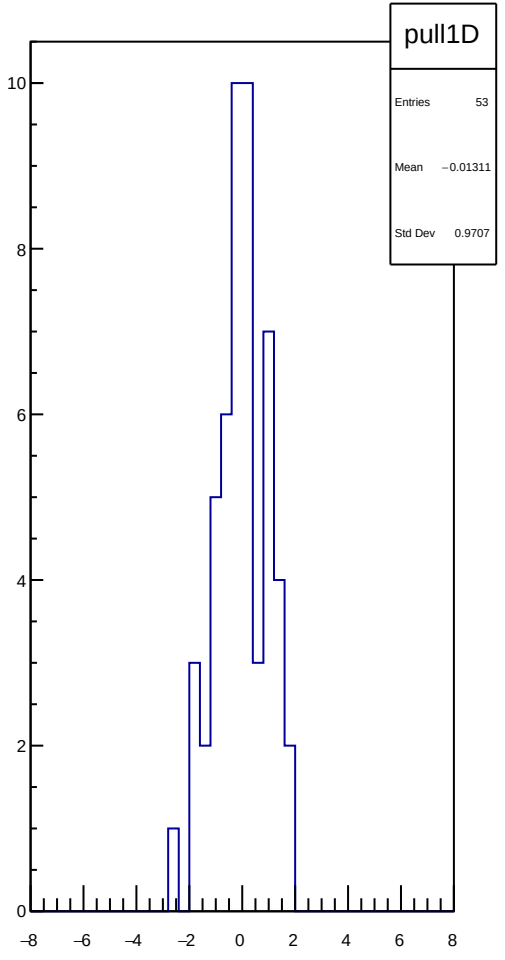

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4953 / 52
p0 891.3 ± 0.8928
1100
1050
1000
950
900
850
800

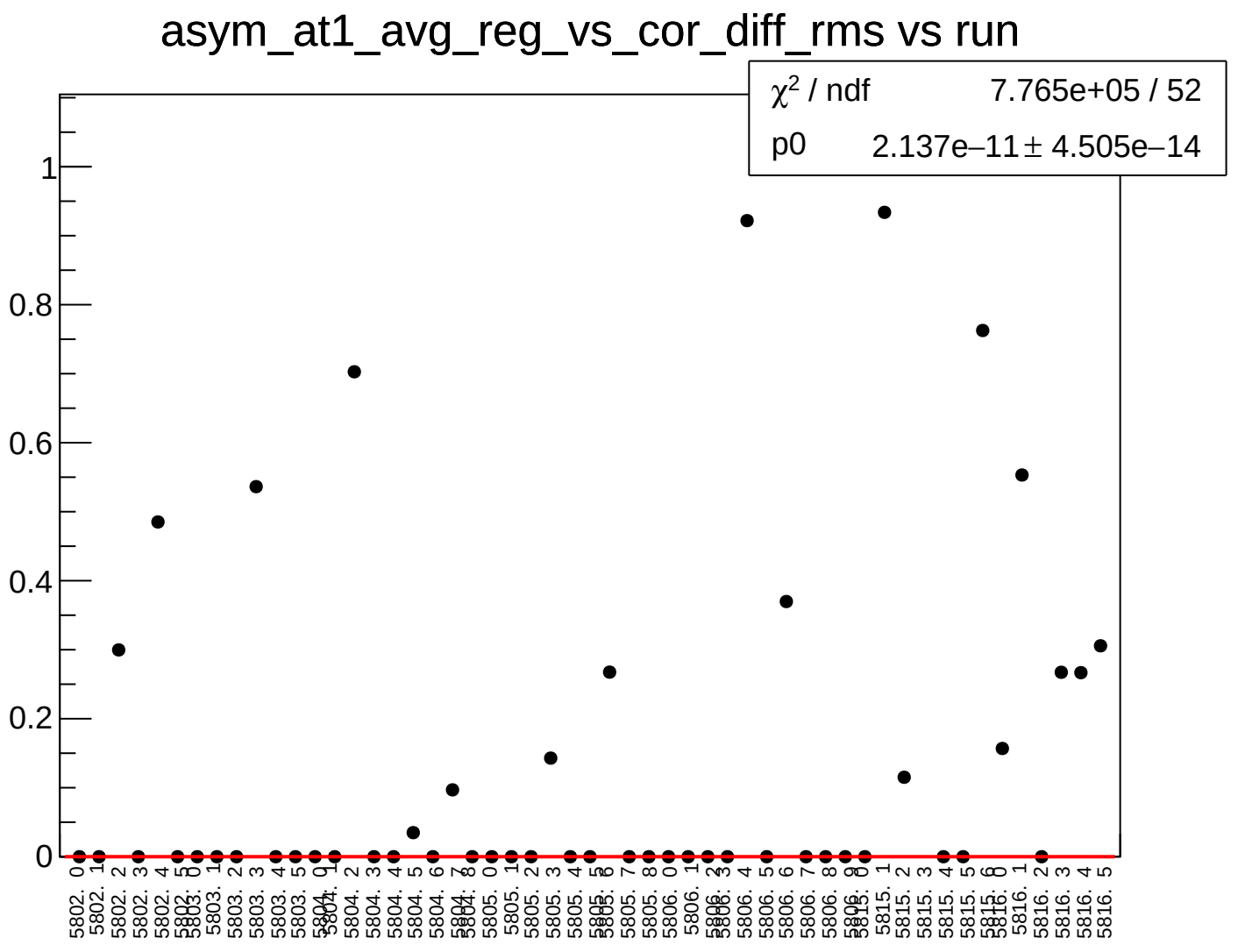

asym_at1_avg_mean vs run
×10^3
χ² / ndf 57.49 / 52
p0 −742.1± 3322
pull
Entries 53
Mean −69.21
Std Dev 0

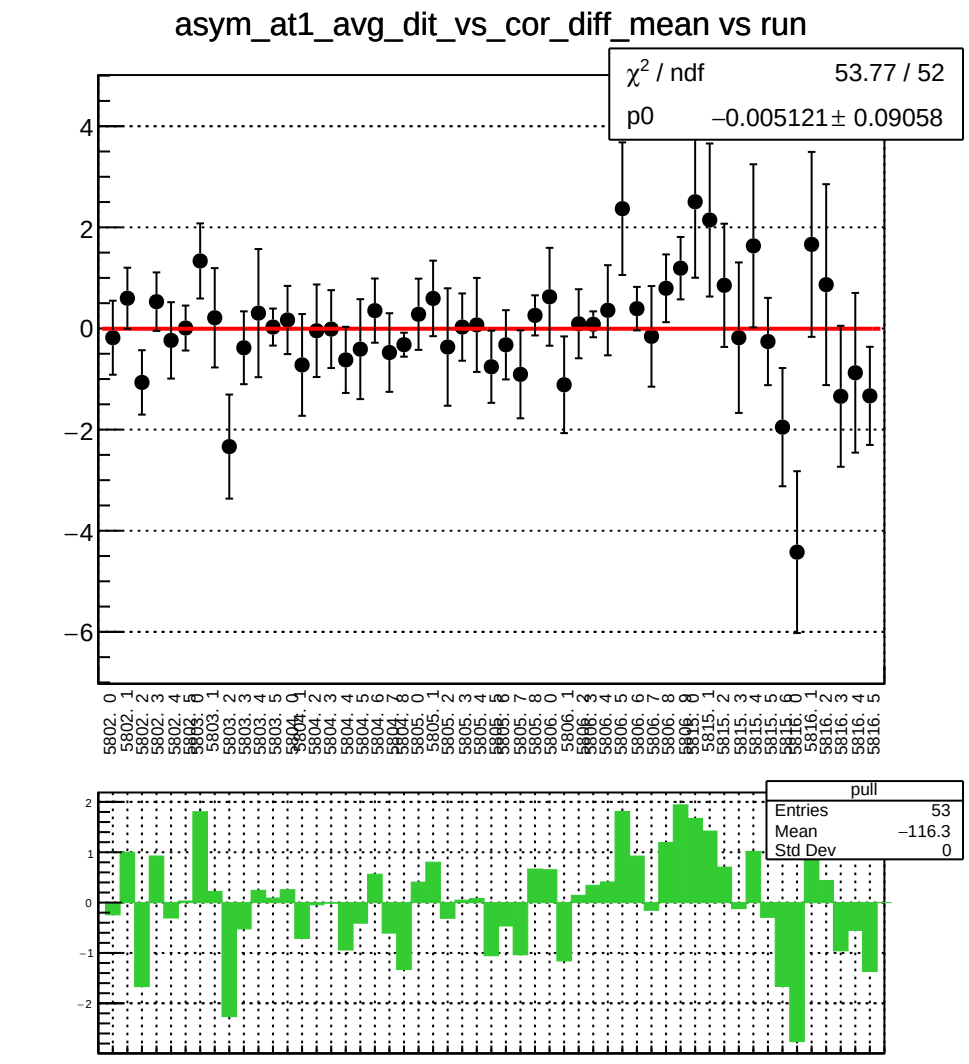

pull1D
Entries 53
Mean −0.01782
Std Dev 1.041

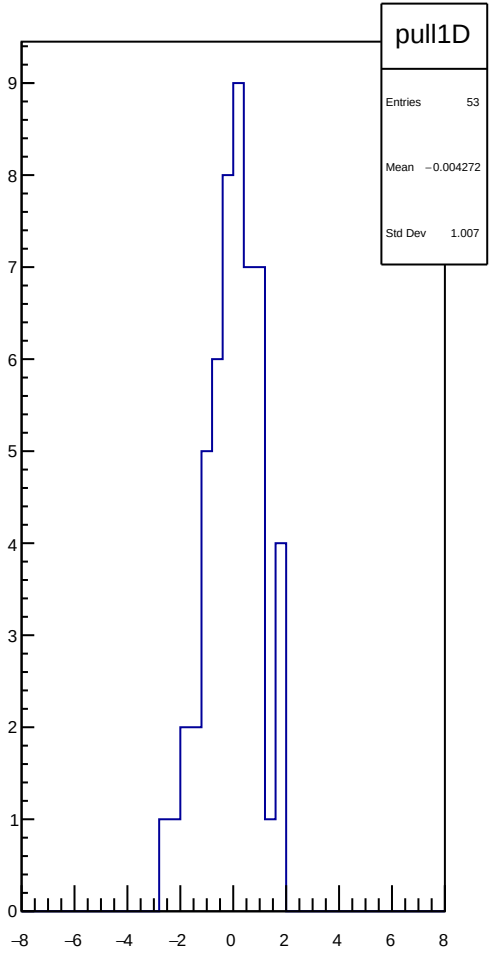

asym_at1_avg_rms vs run
χ^2 / ndf 223 / 52
p0 2350 ± 2.349
2550
2500
2450
2400
2350
2300

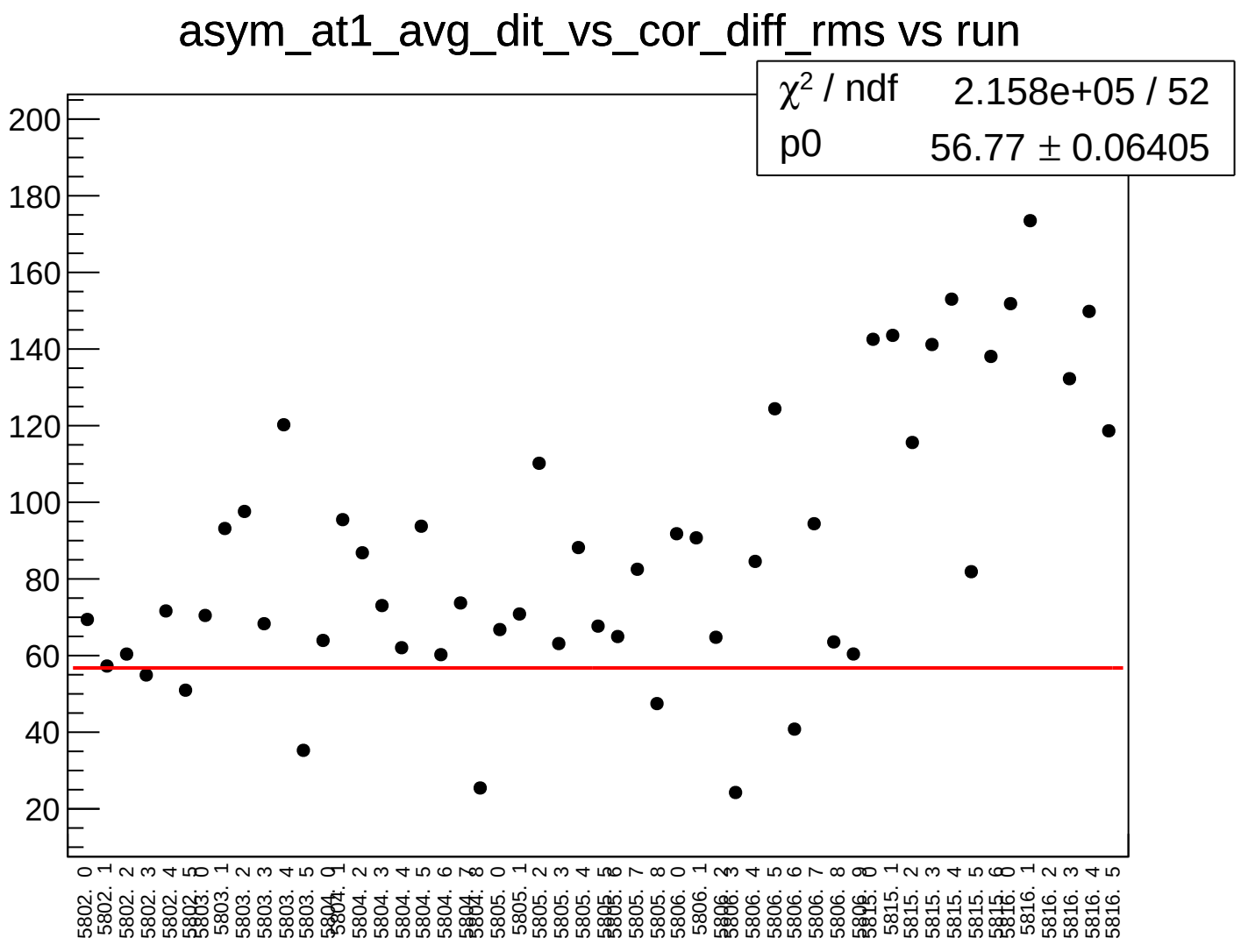

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.95 / 52
p0 1.84e−14 ± 6.371e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 50.84
Std Dev 48.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

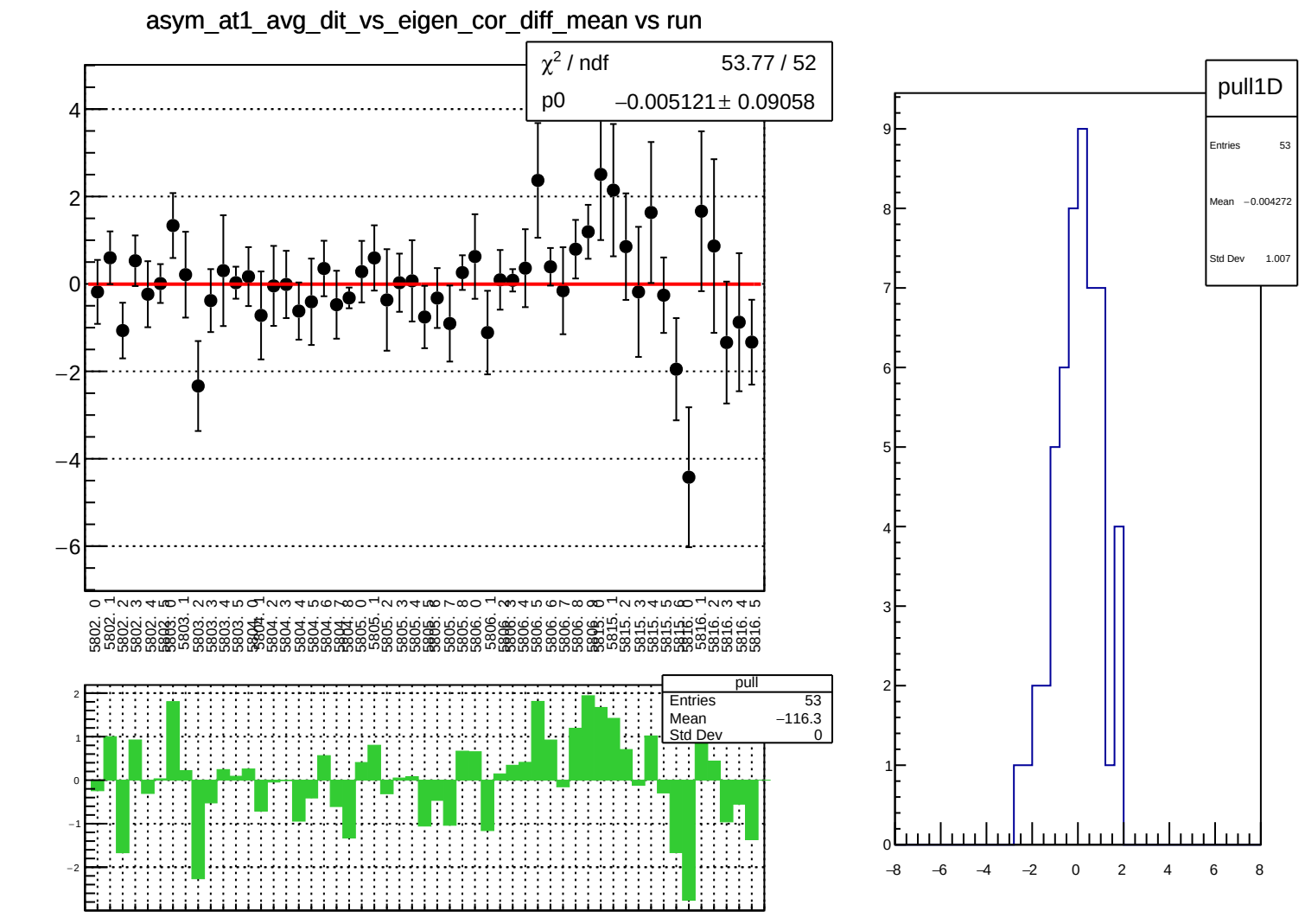

pull1D
Entries 53
Mean −0.01311
Std Dev 0.9707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

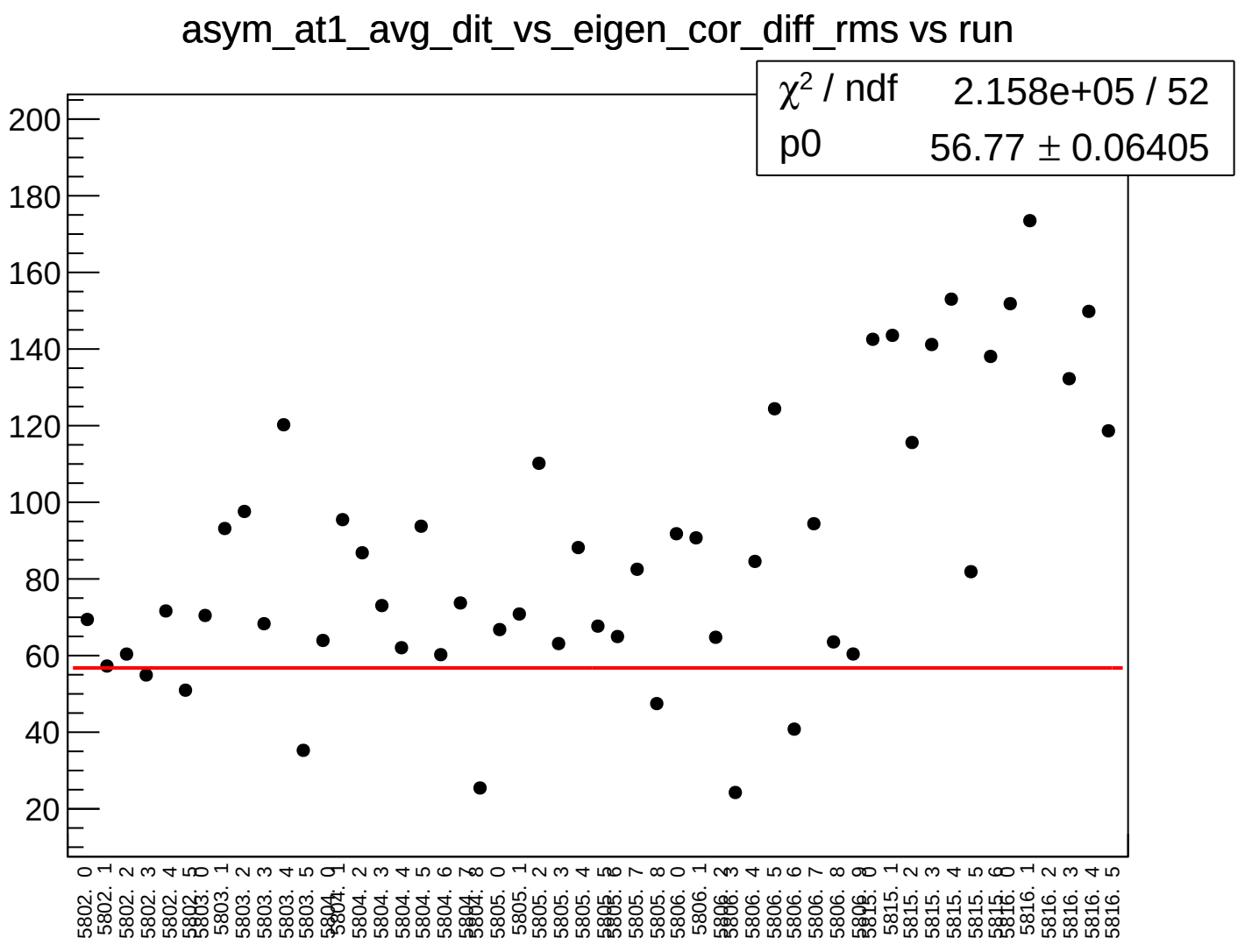

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.765e+05 / 52
p0 2.137e−11 ± 4.505e−14
1
0.8
0.6
0.4
0.2
0

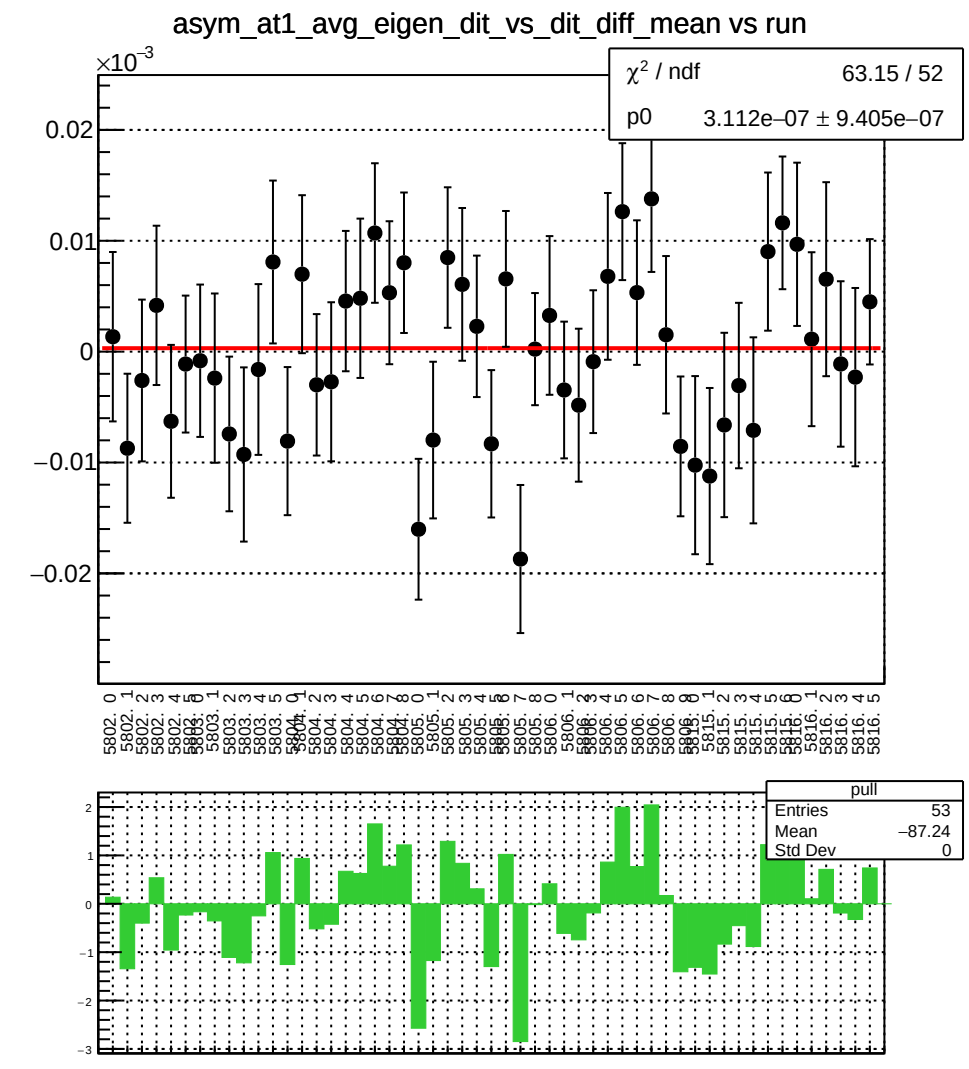

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.77 / 52
p0 −0.005121 ± 0.09058
pull
Entries 53
Mean −116.3
Std Dev 0

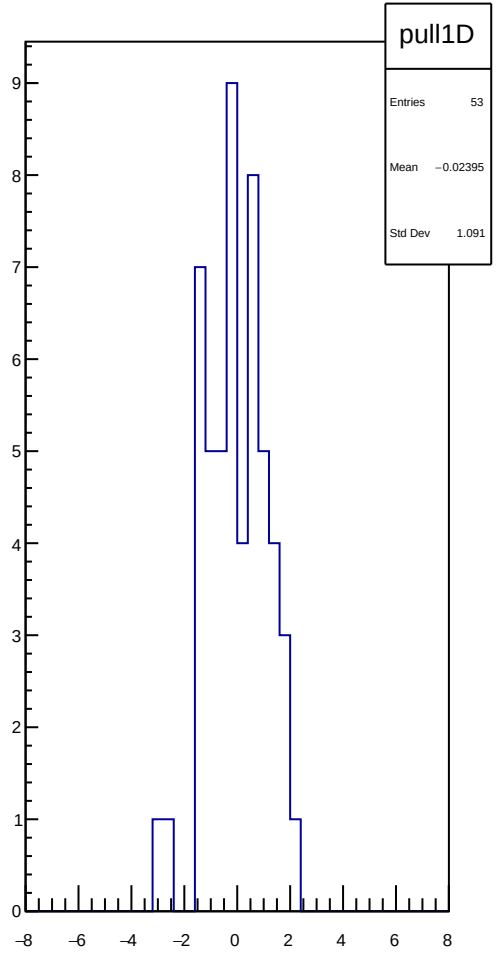

pull1D
Entries 53
Mean −0.004272
Std Dev 1.007

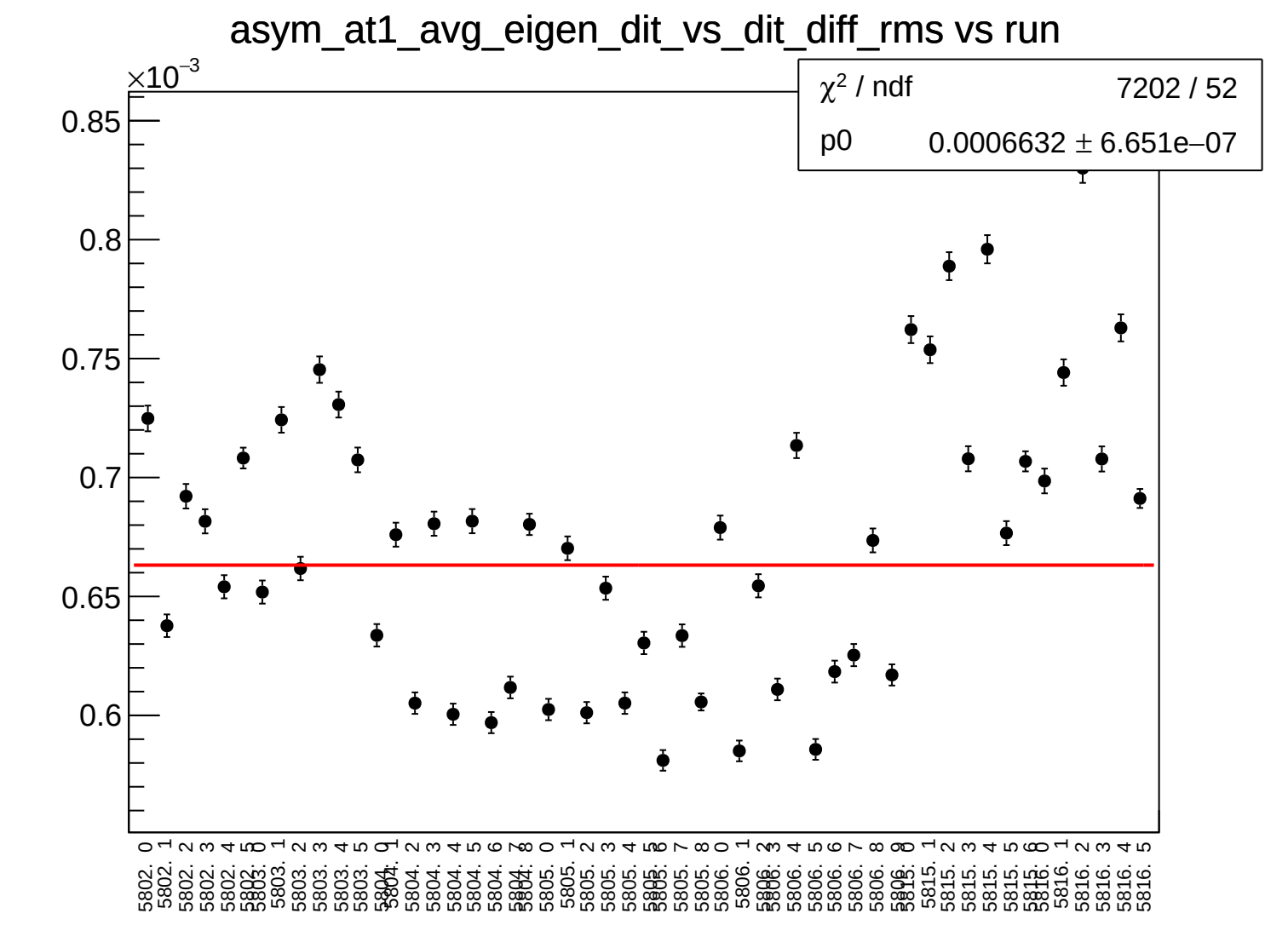

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.158e+05 / 52
p0 56.77 ± 0.06405
200
180
160
140
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

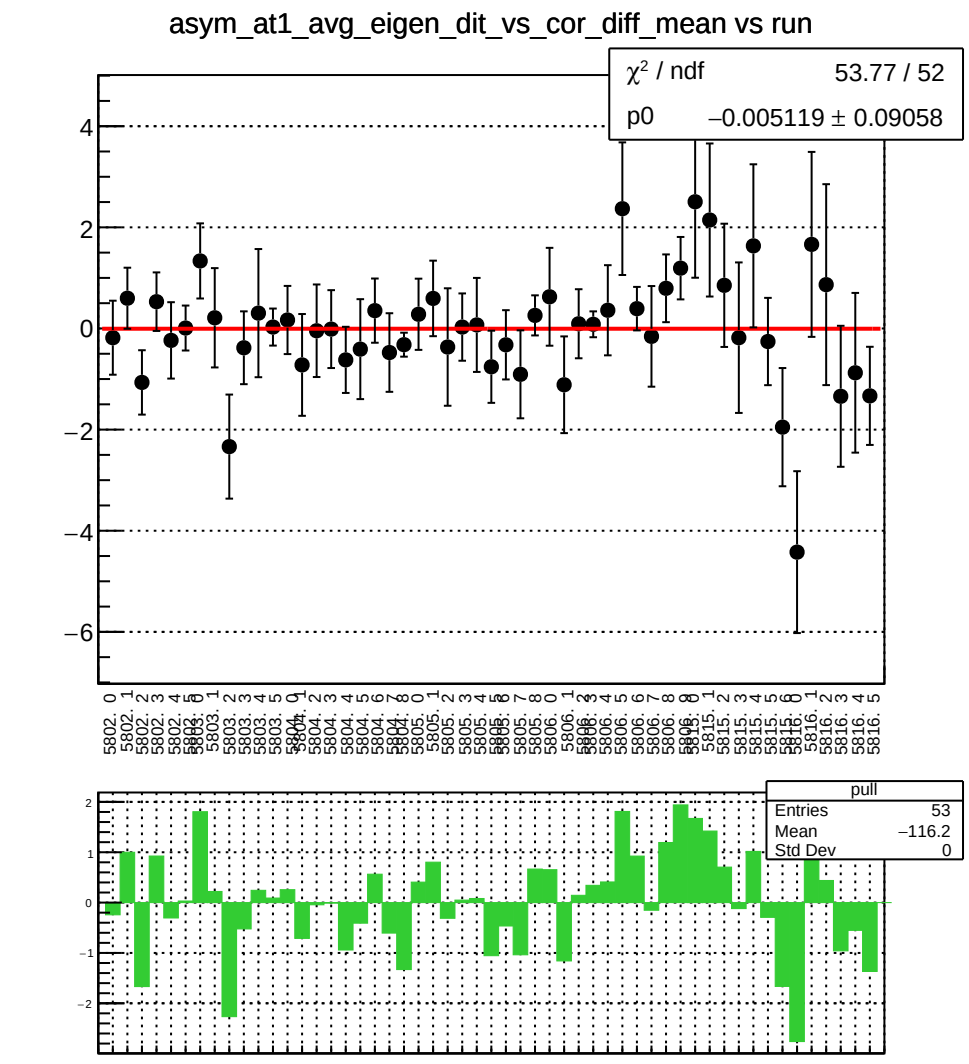

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.77 / 52
p0 −0.005121 ± 0.09058
pull
Entries 53
Mean −116.3
Std Dev 0
pull1D
Entries 53
Mean −0.004272
Std Dev 1.007

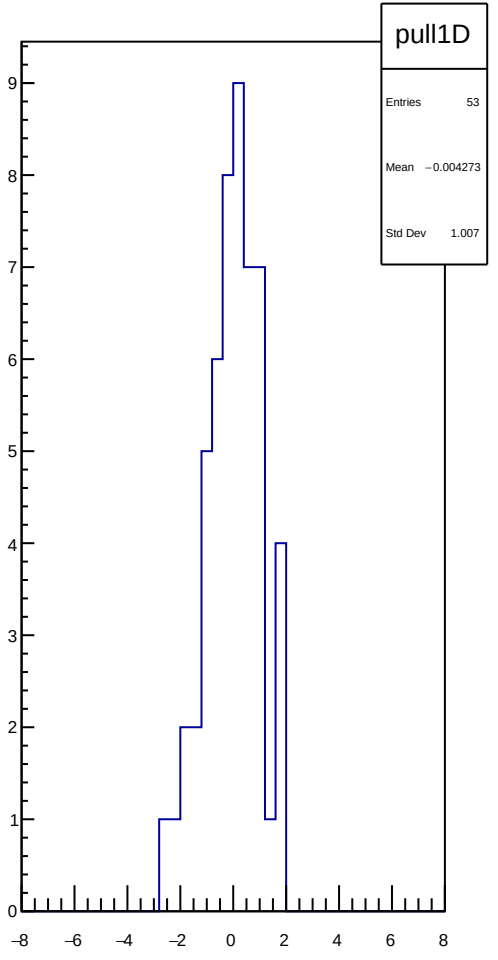

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.158e+05 / 52
p0 56.77 ± 0.06405
200
180
160
140
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

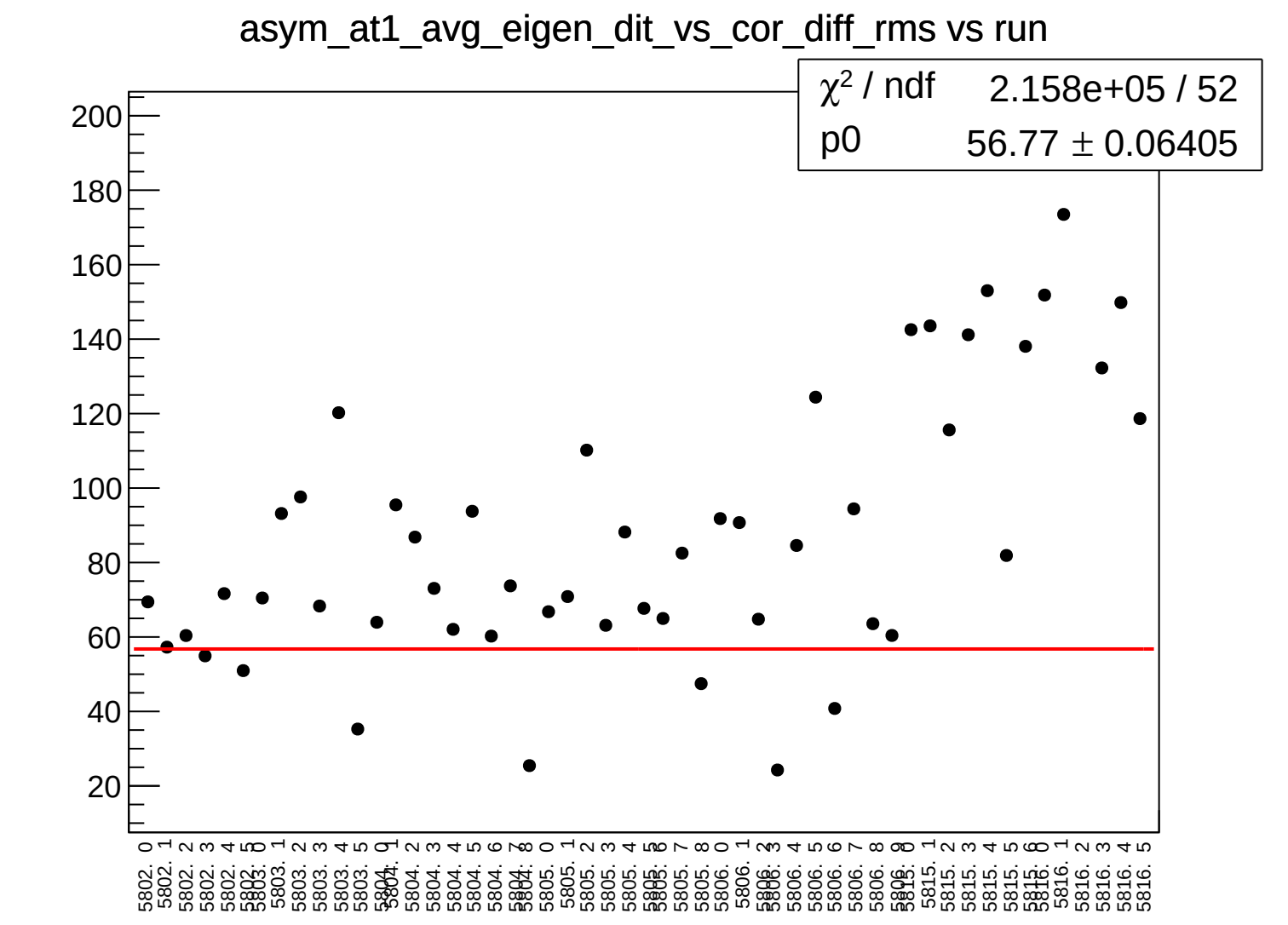

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.15 / 52
p0 3.112e−07 ± 9.405e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean −87.24
Std Dev 0
2
1
0
−1
−2
−3

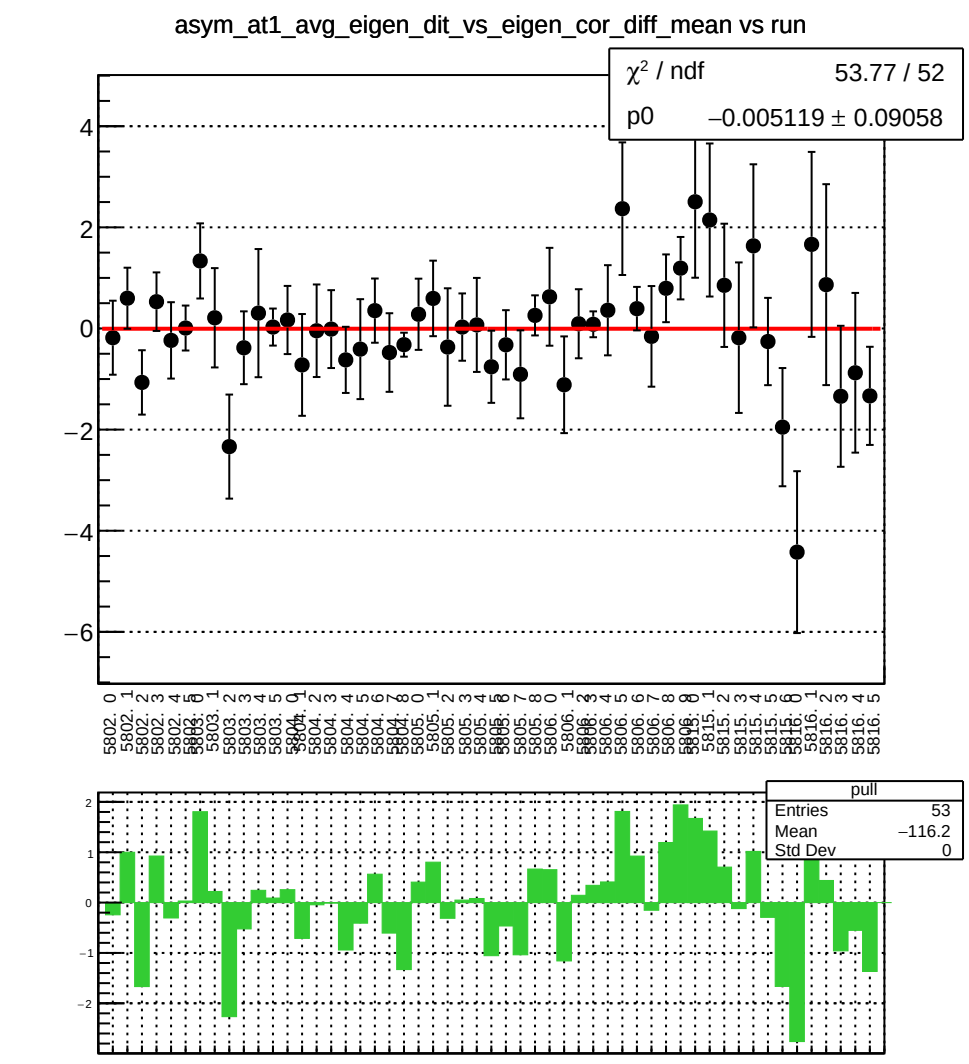

pull1D
Entries 53
Mean −0.02395
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

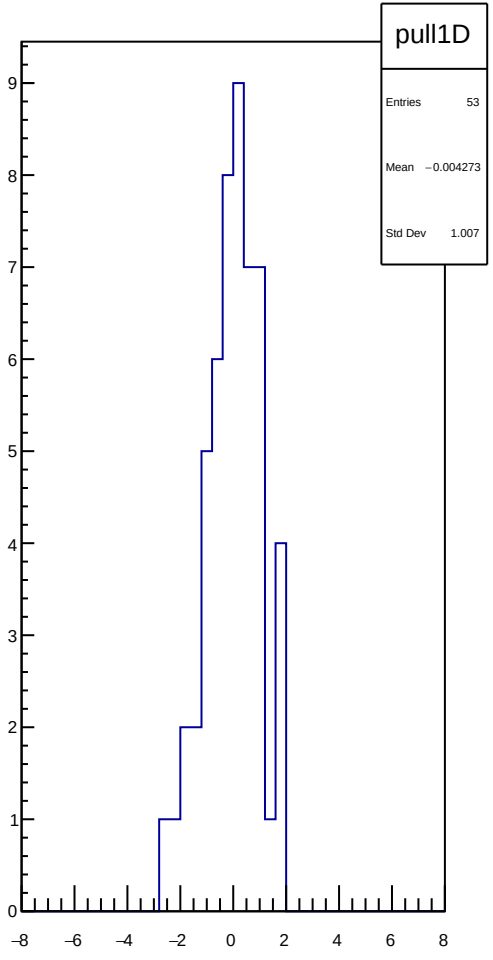

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 7202 / 52
p0 0.0006632 ± 6.651e−07
0.85
0.8
0.75
0.7
0.65
0.6

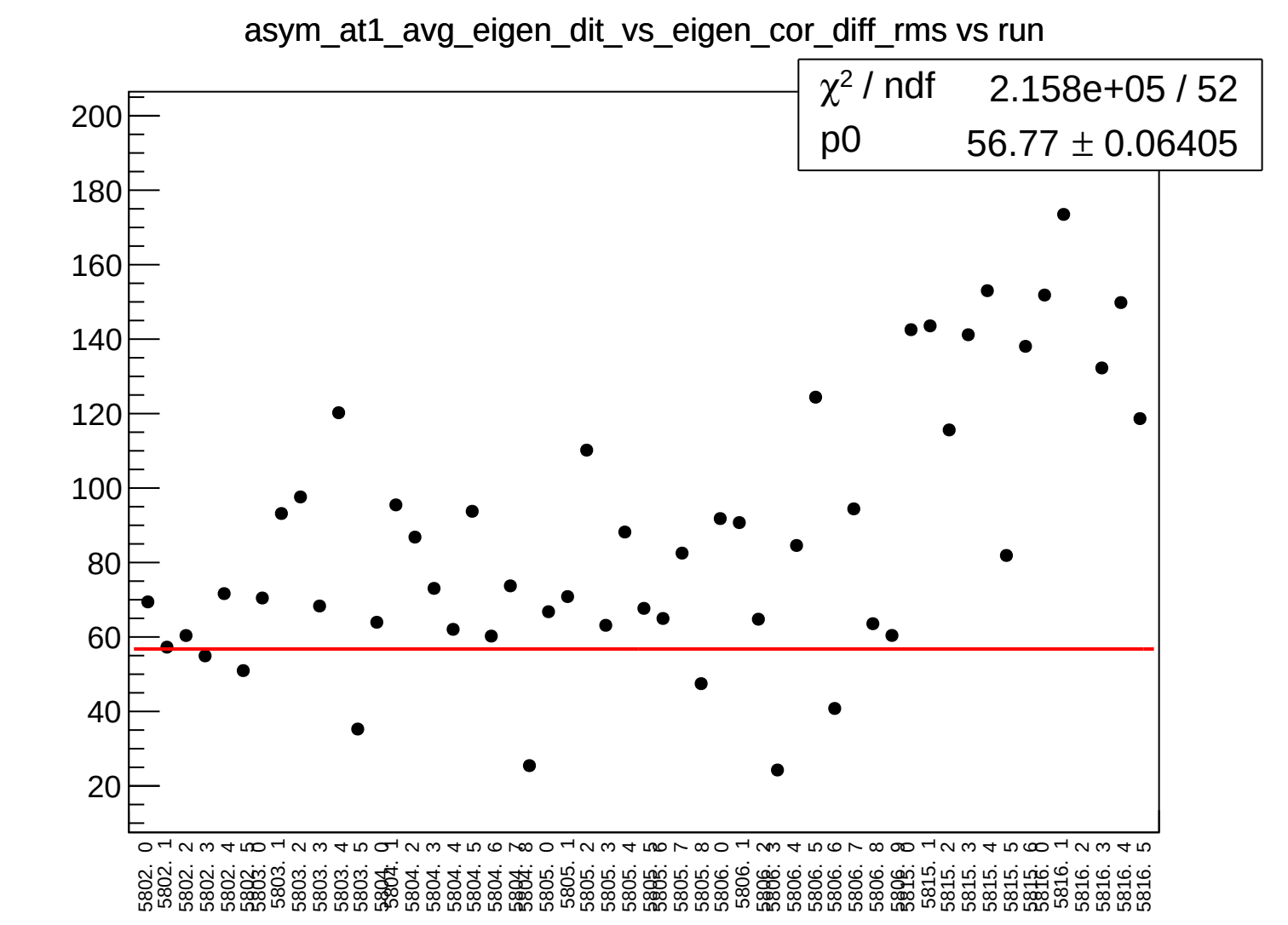

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.77 / 52
p0 −0.005119 ± 0.09058
pull
Entries 53
Mean −116.2
Std Dev 0

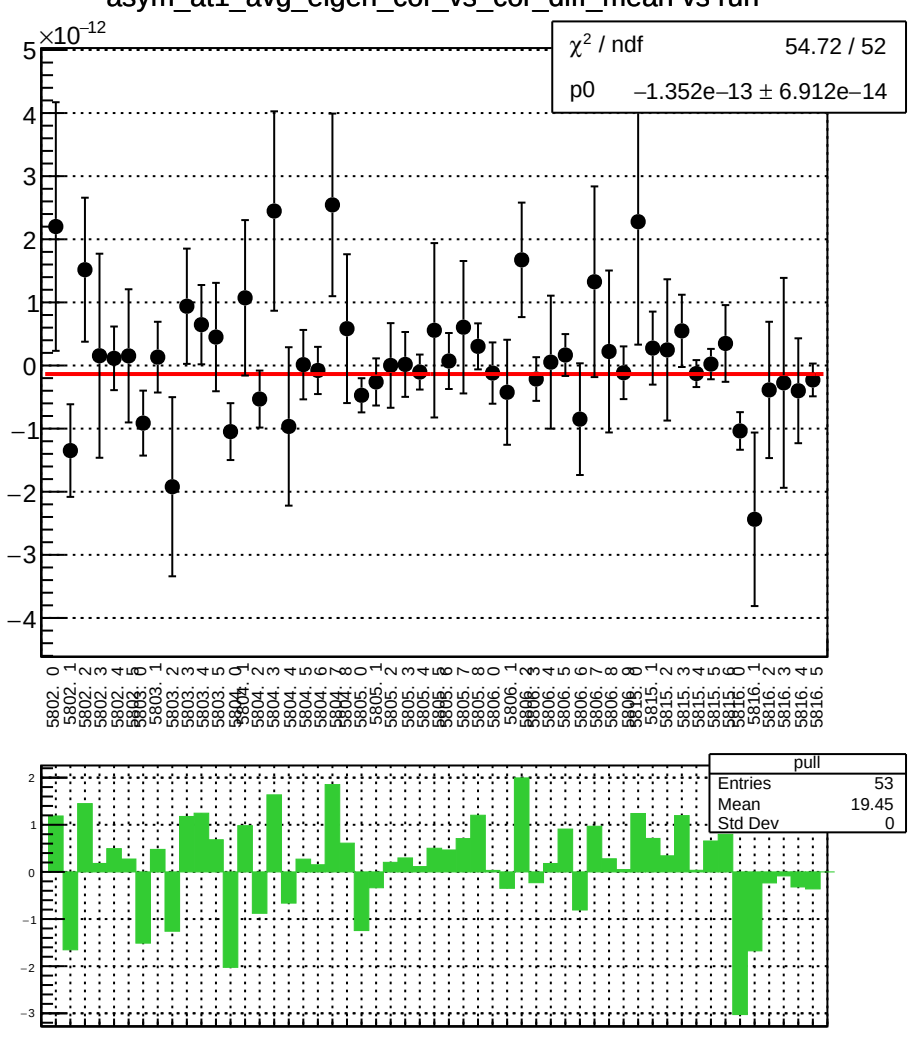

pull1D
Entries 53
Mean −0.004273
Std Dev 1.007

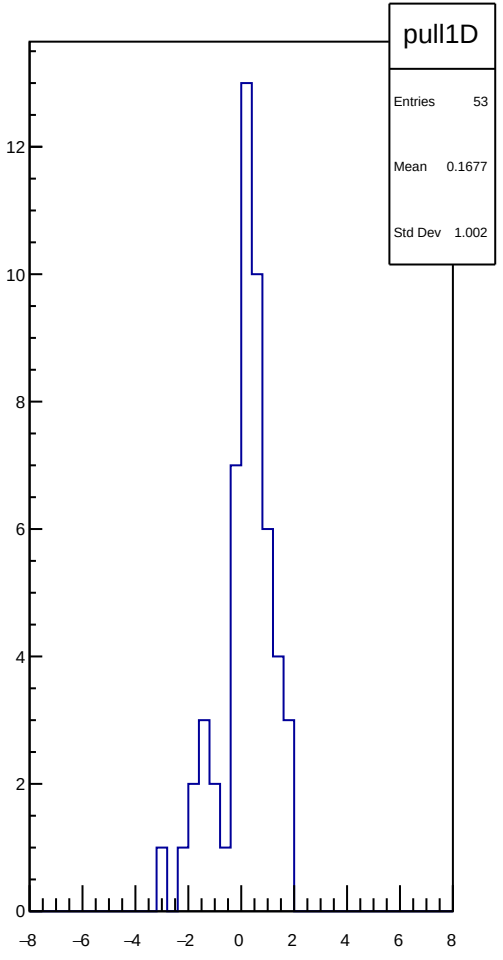

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.158e+05 / 52
p0 56.77 ± 0.06405
200
180
160
140
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

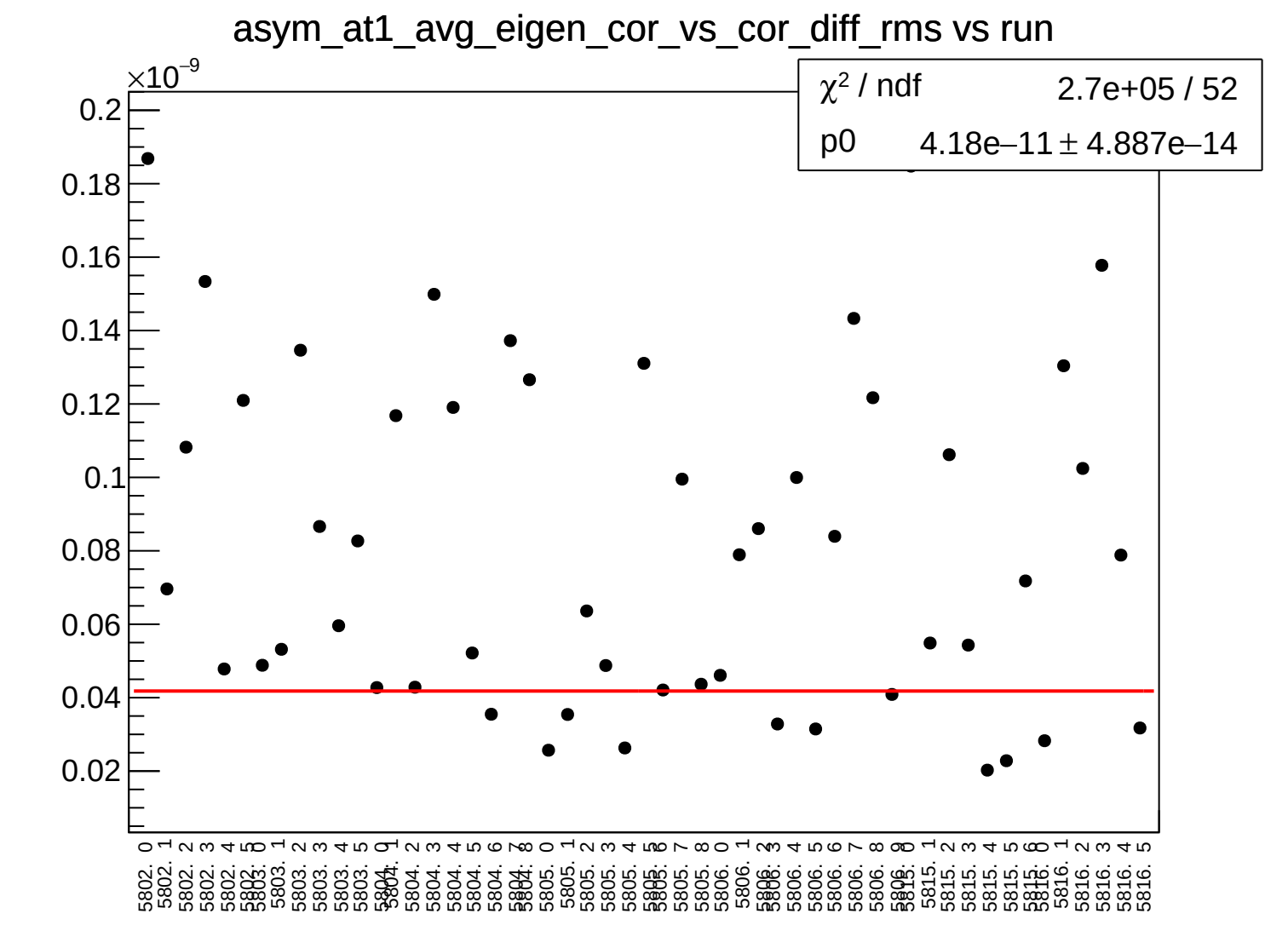

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.77 / 52
p0 −0.005119 ± 0.09058
pull
Entries 53
Mean −116.2
Std Dev 0

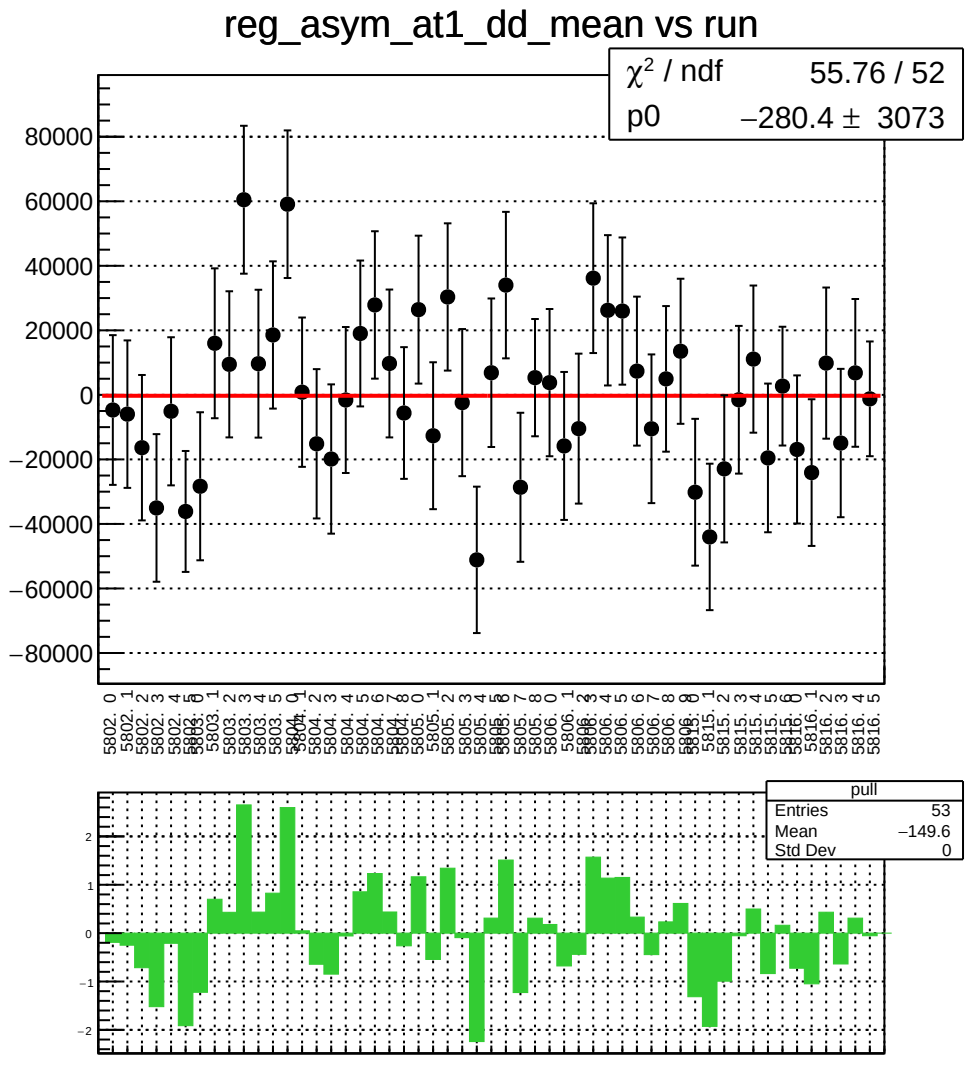

pull1D
Entries 53
Mean −0.004273
Std Dev 1.007

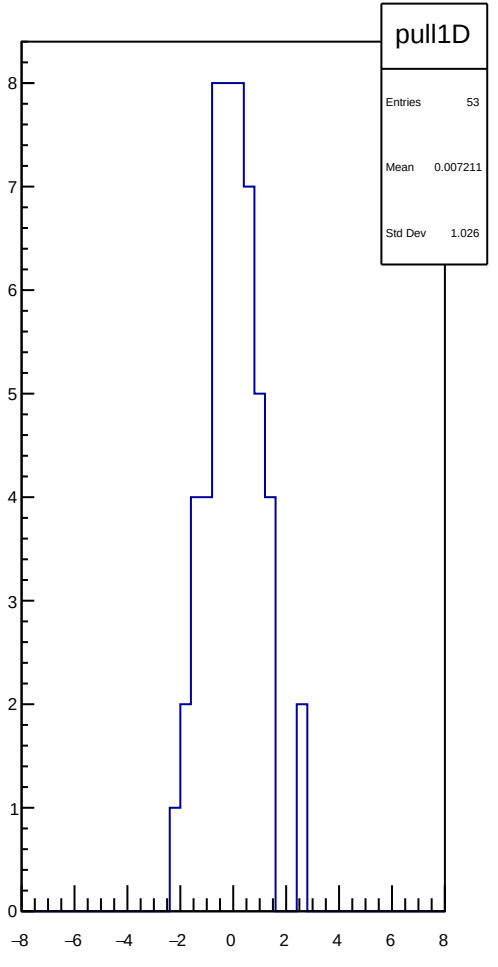

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.158e+05 / 52
p0 56.77 ± 0.06405
200
180
160
140
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

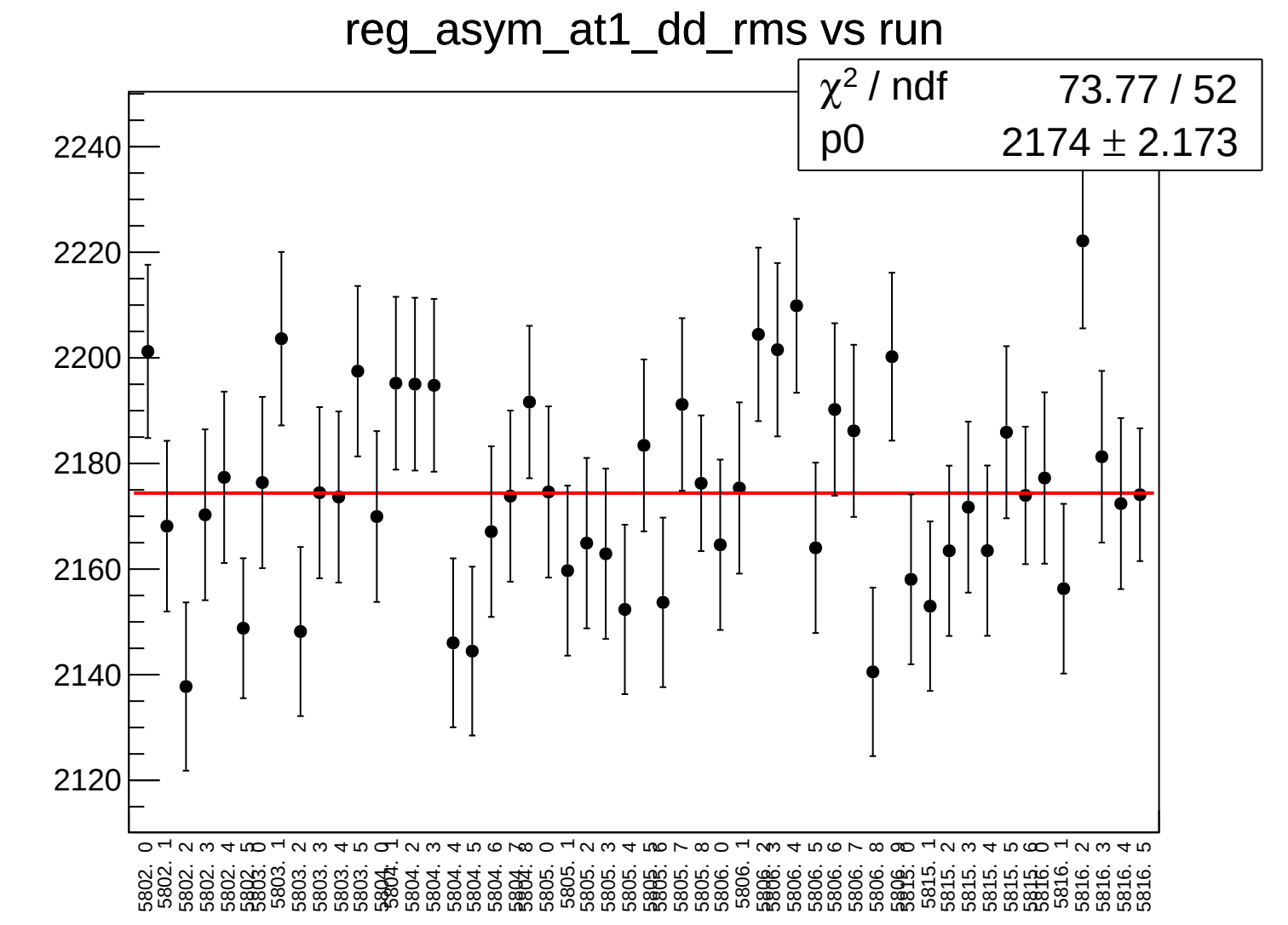

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.72 / 52
p0 −1.352e−13 ± 6.912e−14
pull
Entries 53
Mean 19.45
Std Dev 0

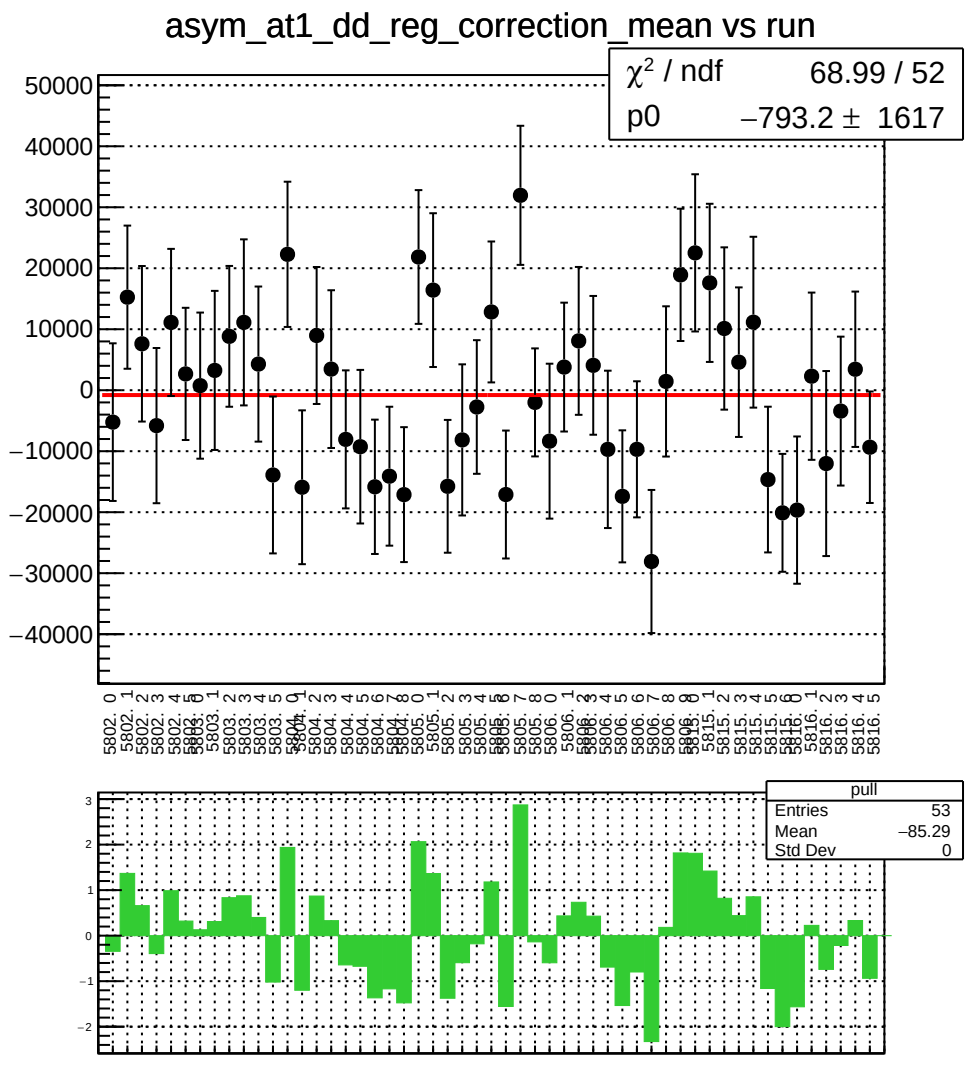

pull1D
Entries 53
Mean 0.1677
Std Dev 1.002

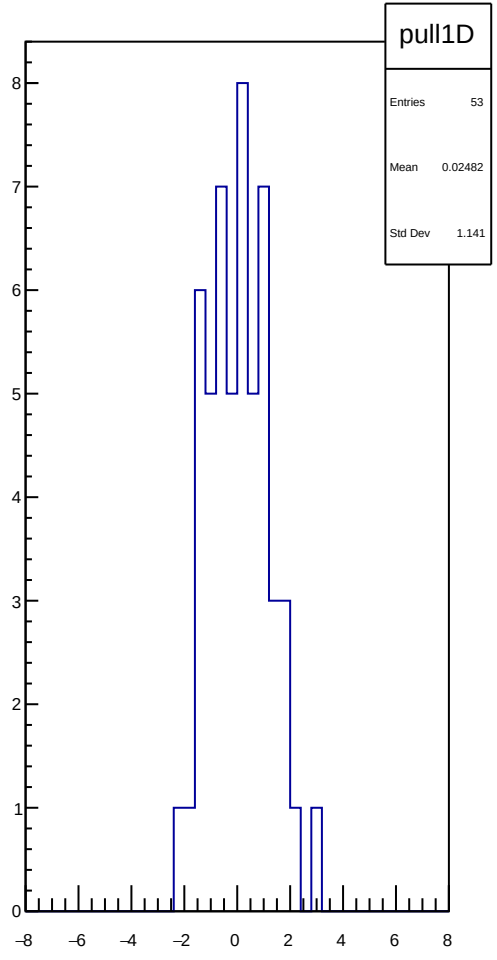

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.7e+05 / 52
p0 4.18e−11 ± 4.887e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

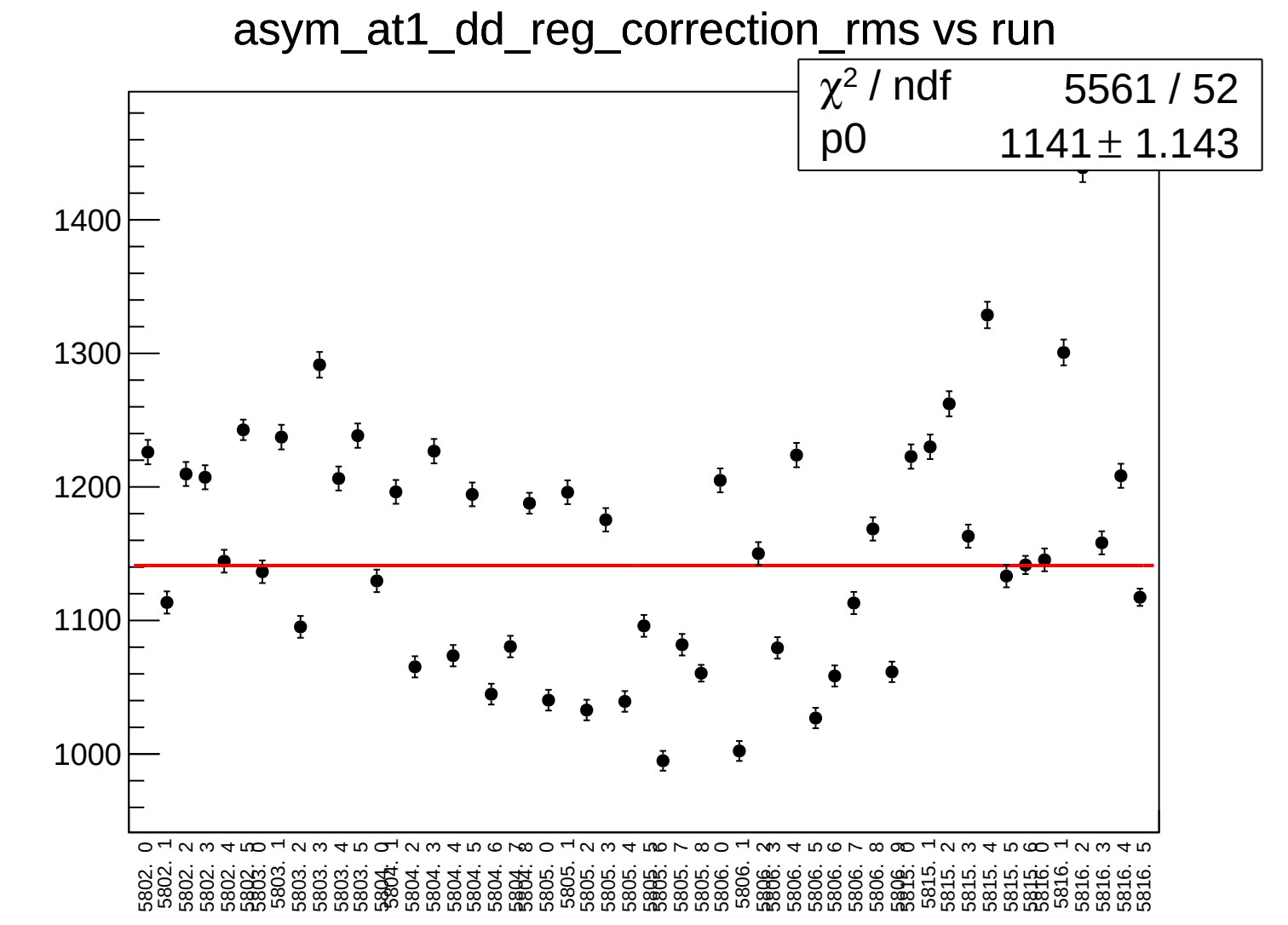

reg_asym_at1_dd_mean vs run
χ² / ndf 55.76 / 52
p0 −280.4 ± 3073
pull
Entries 53
Mean −149.6
Std Dev 0

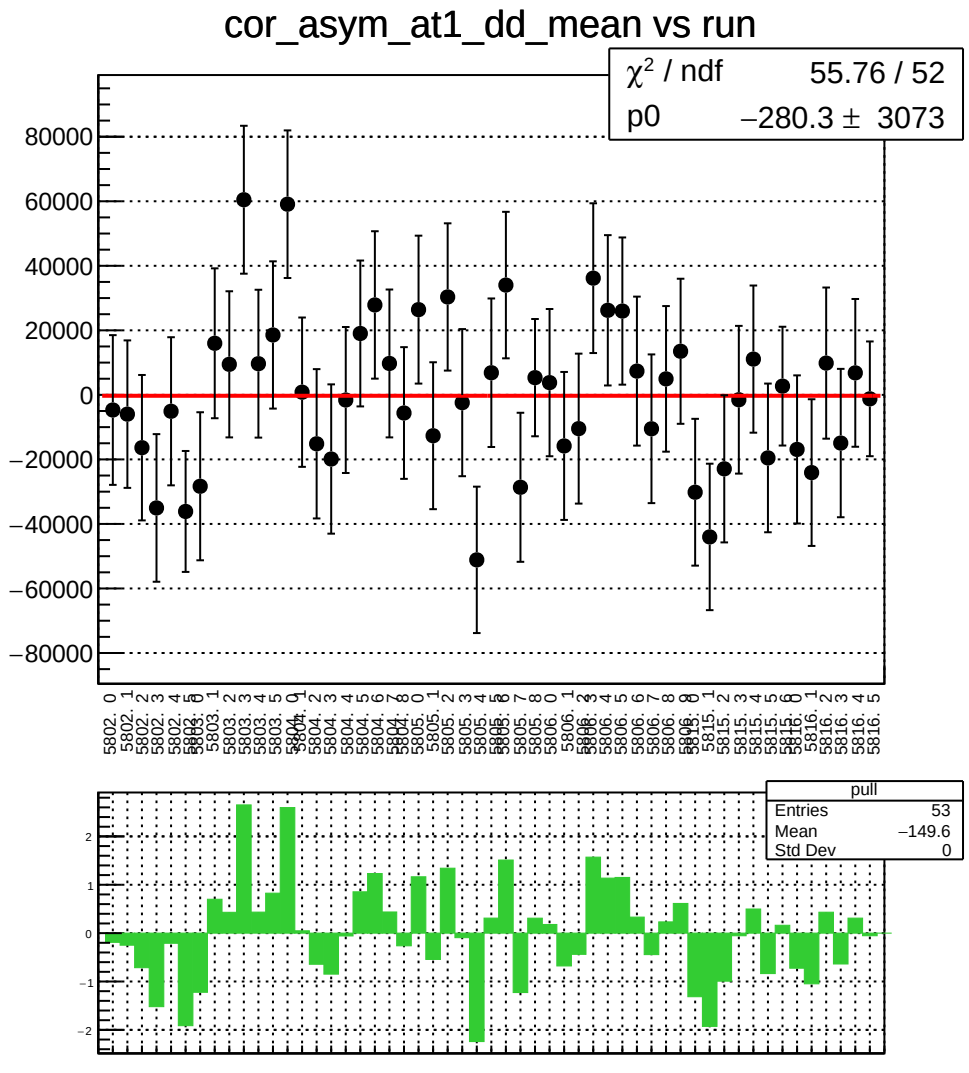

pull1D
Entries 53
Mean 0.007211
Std Dev 1.026

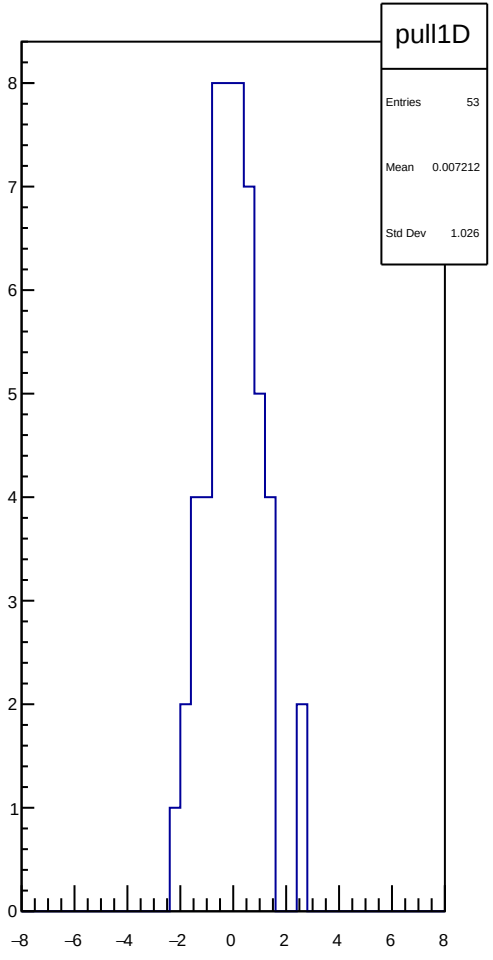

reg_asym_at1_dd_rms vs run
χ² / ndf 73.77 / 52
p0 2174 ± 2.173
2240
2220
2200
2180
2160
2140
2120

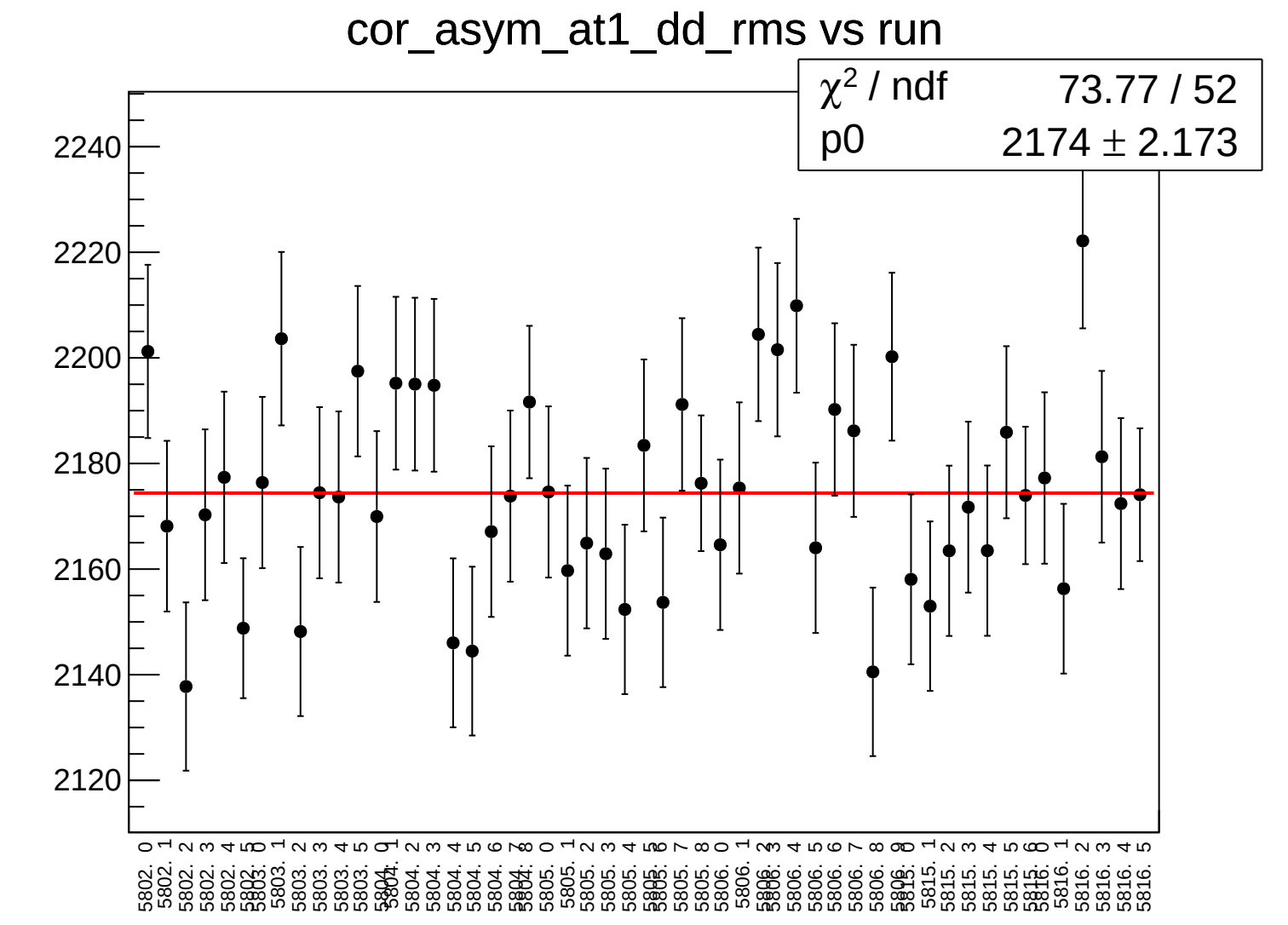

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 68.99 / 52
p0 −793.2 ± 1617
pull
Entries 53
Mean −85.29
Std Dev 0

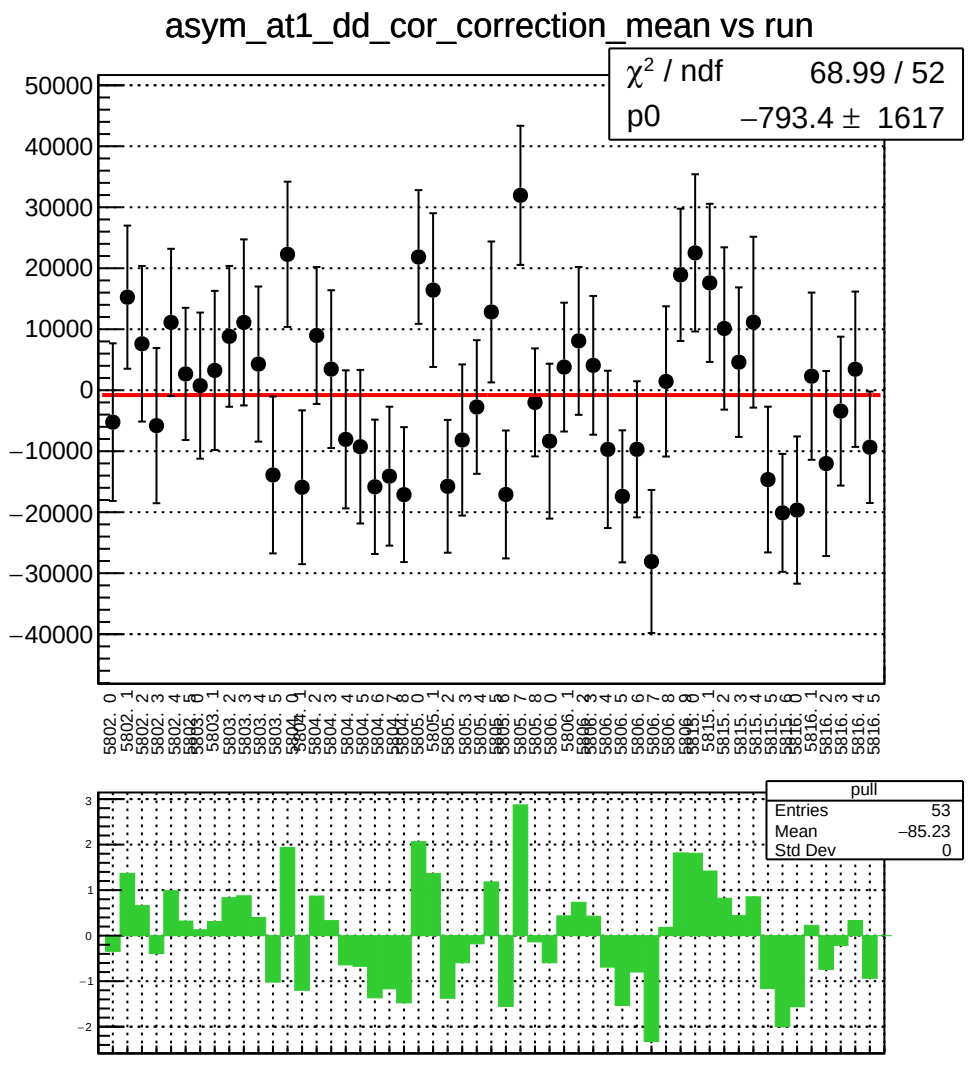

pull1D
Entries 53
Mean 0.02482
Std Dev 1.141

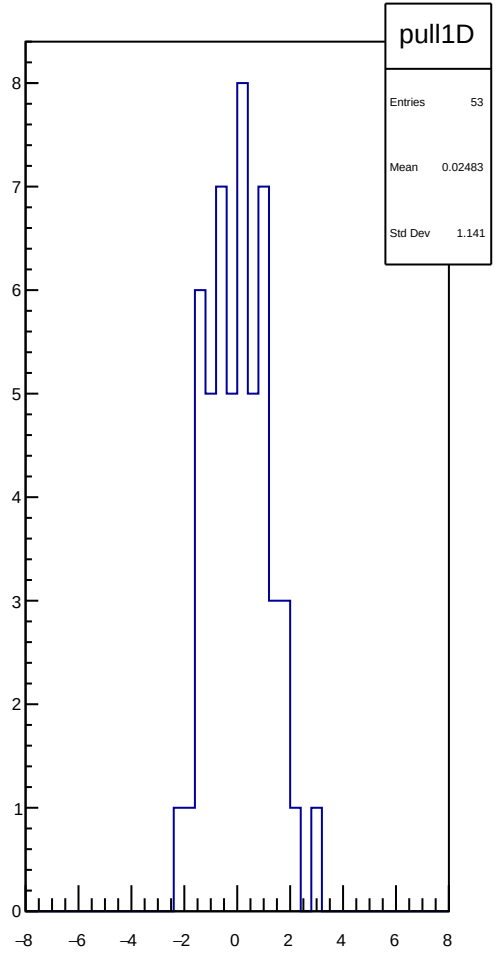

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 5561 / 52
p0 1141 ± 1.143
1400
1300
1200
1100
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

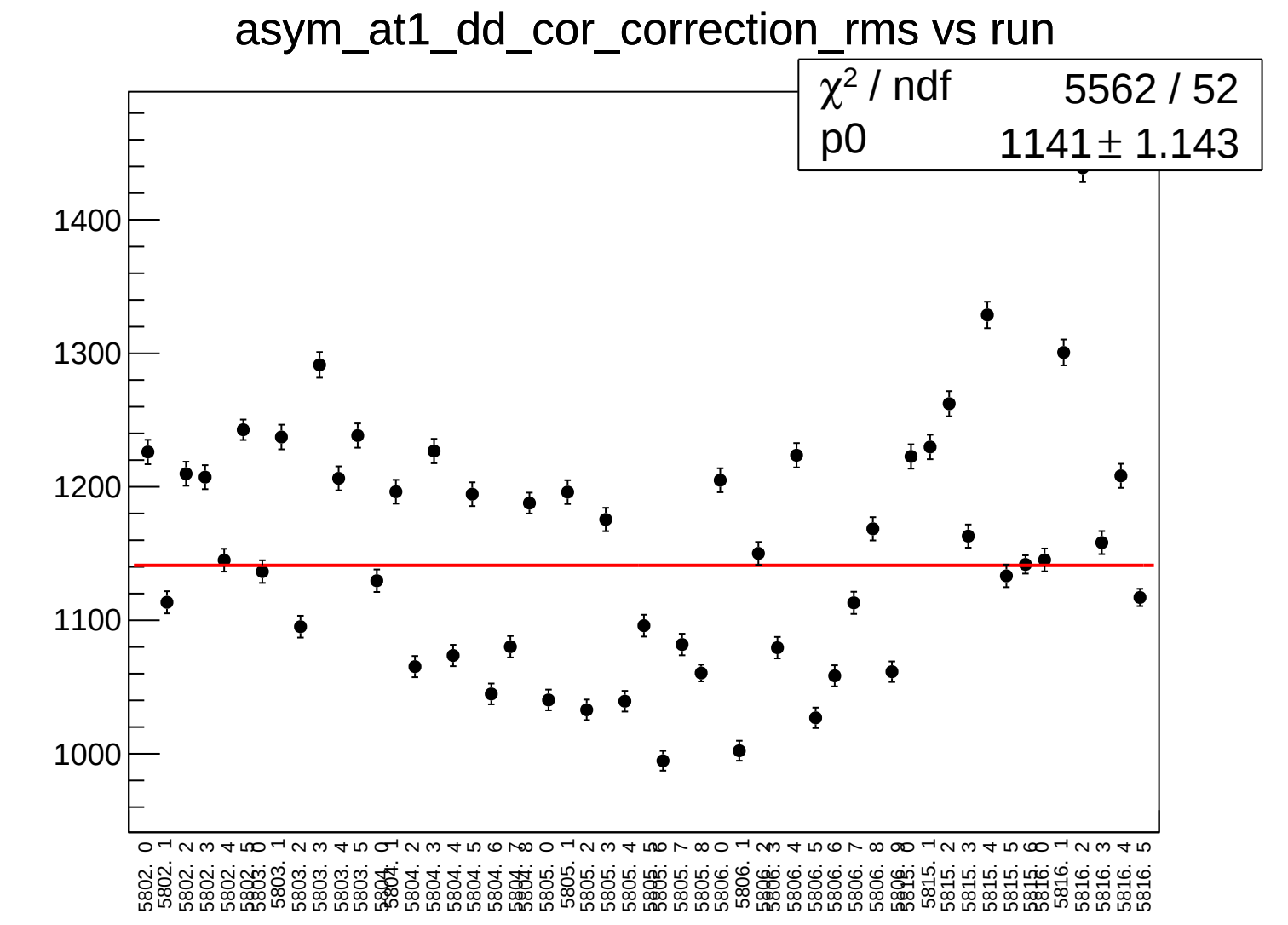

cor_asym_at1_dd_mean vs run
χ² / ndf 55.76 / 52
p0 −280.3 ± 3073
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −149.6
Std Dev 0

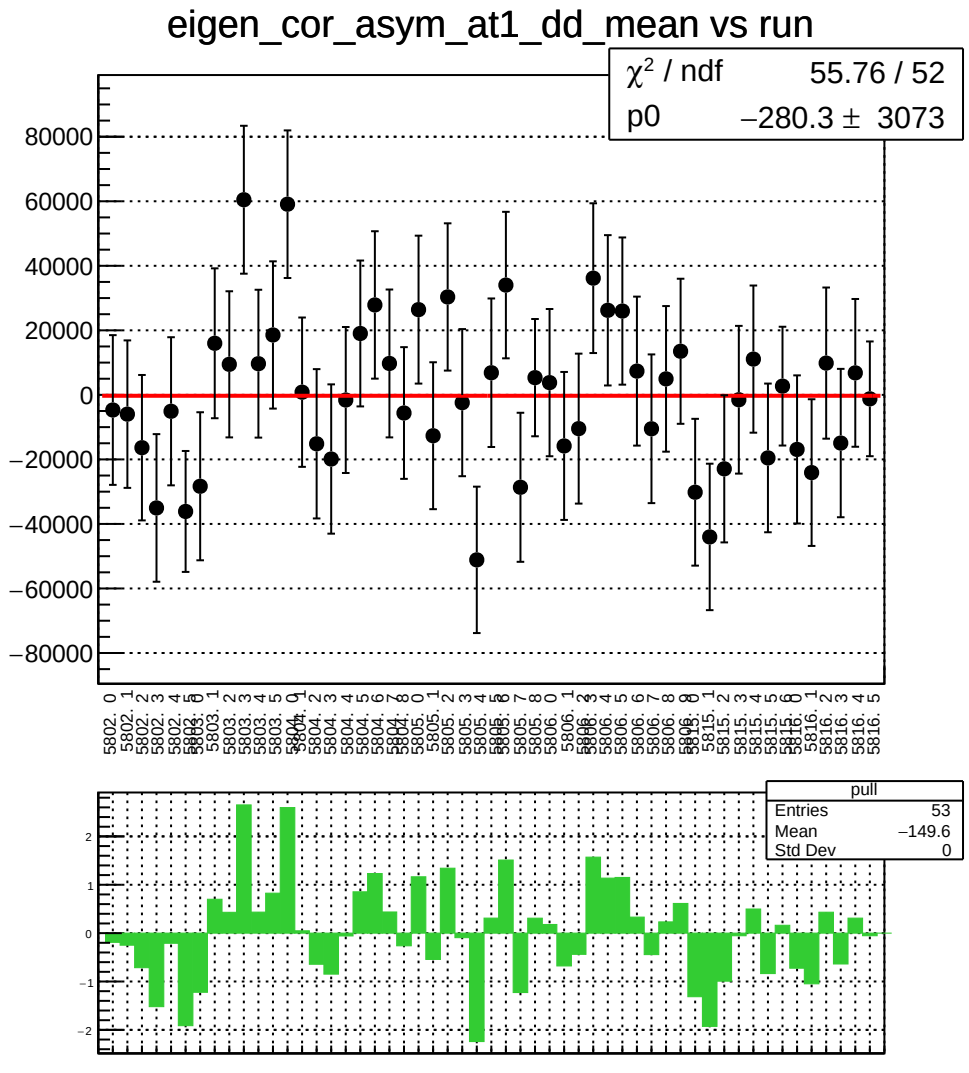

pull1D
Entries 53
Mean 0.007212
Std Dev 1.026

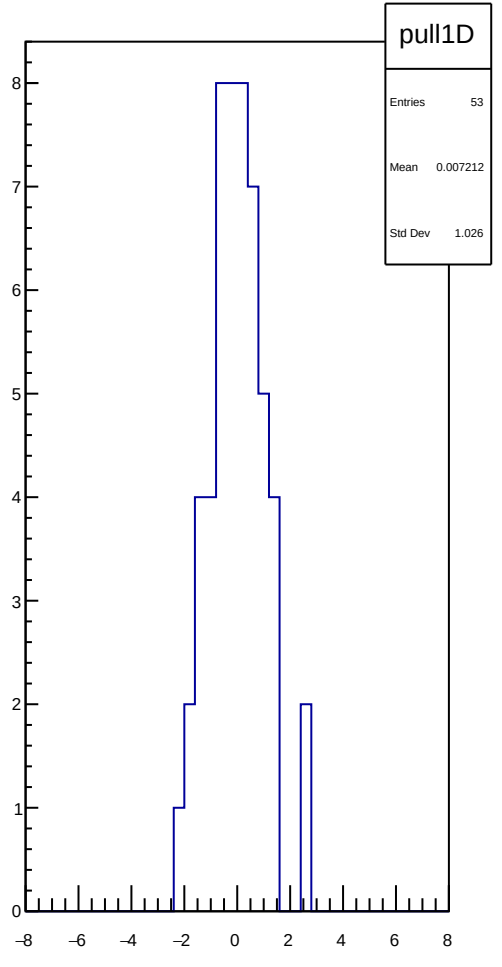

cor_asym_at1_dd_rms vs run
χ² / ndf 73.77 / 52
p0 2174 ± 2.173
2240
2220
2200
2180
2160
2140
2120

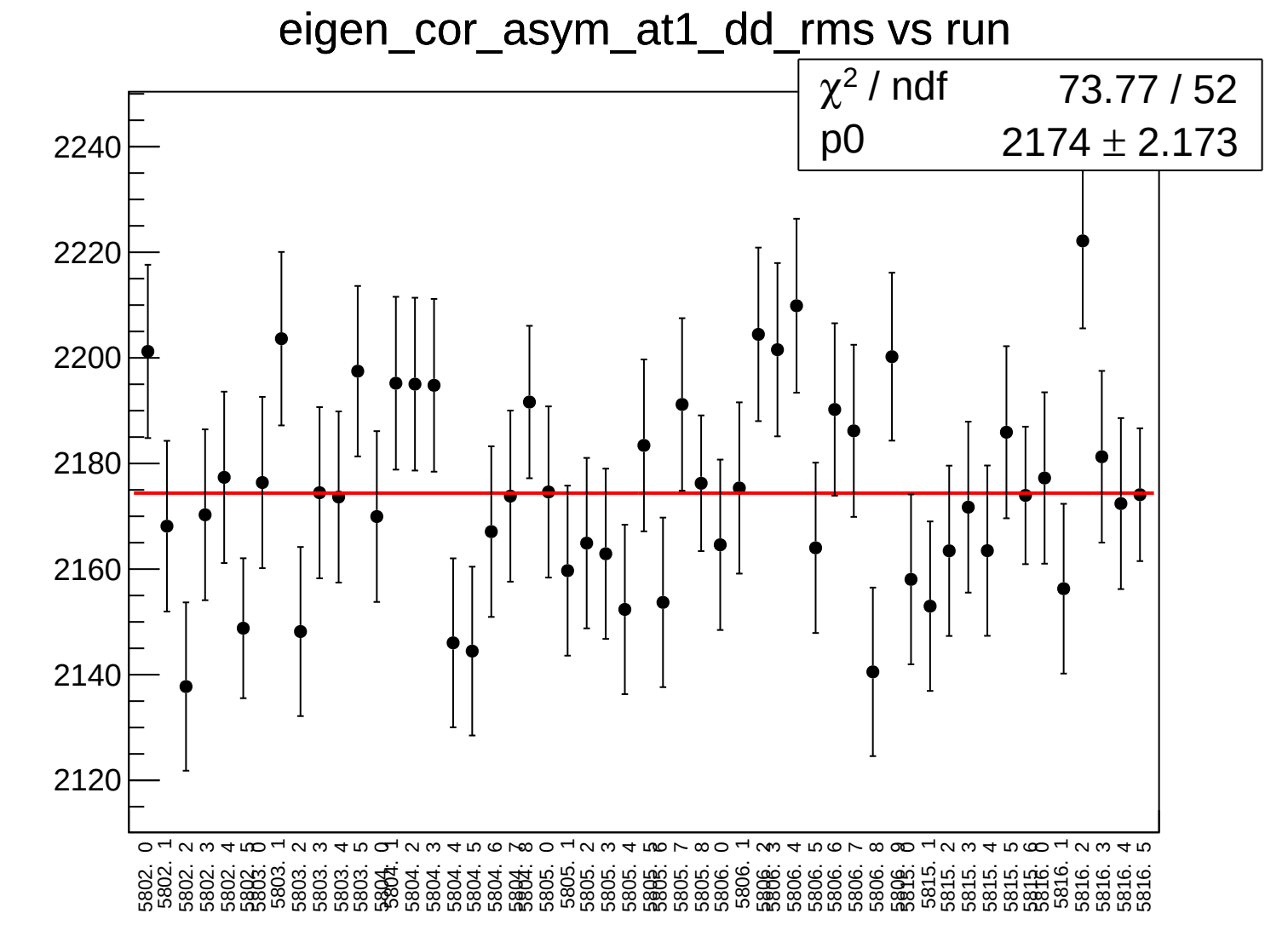

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 68.99 / 52
p0 −793.4 ± 1617
pull
Entries 53
Mean −85.23
Std Dev 0

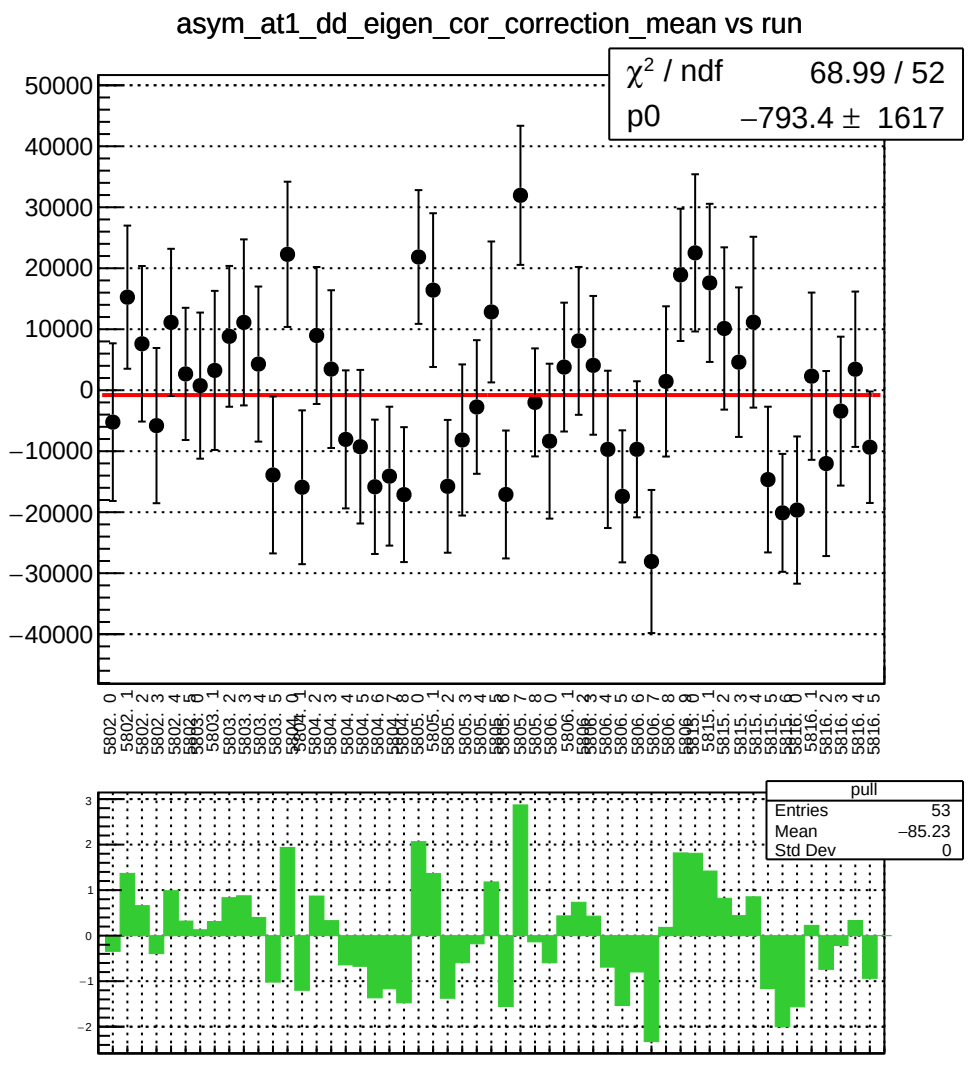

pull1D
Entries 53
Mean 0.02483
Std Dev 1.141

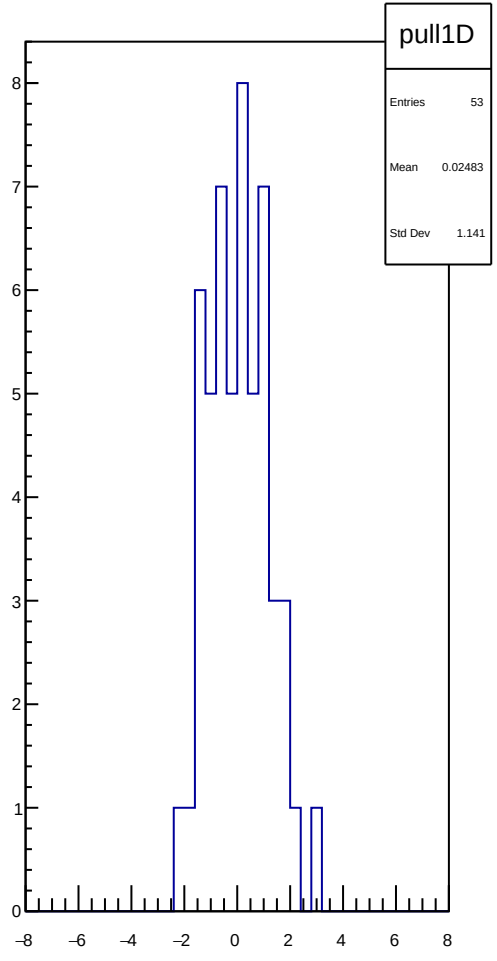

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 5562 / 52
p0 1141 ± 1.143
1400
1300
1200
1100
1000

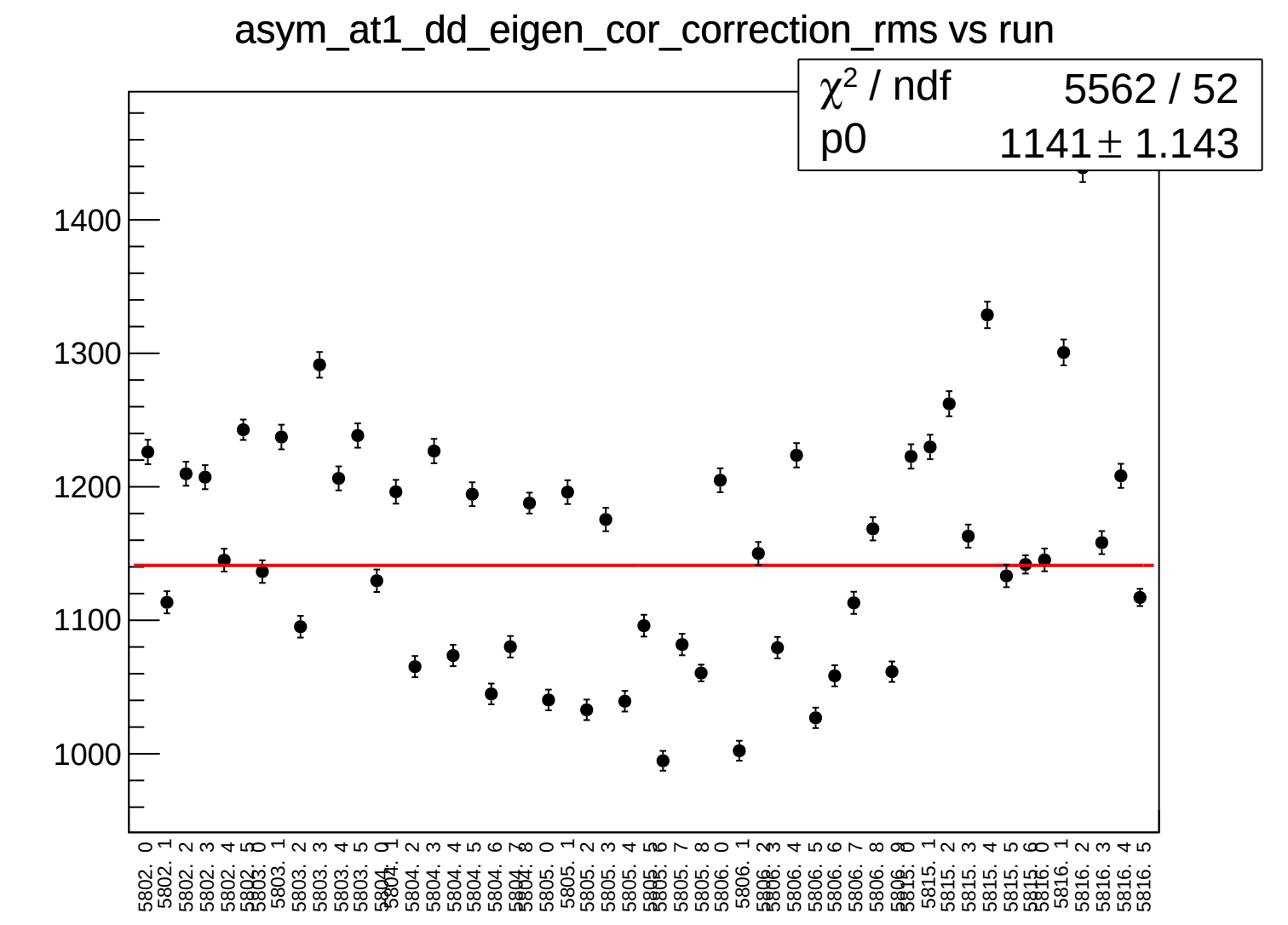

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 55.76 / 52
p0 −280.3 ± 3073
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −149.6
Std Dev 0
2
1
0
−1
−2

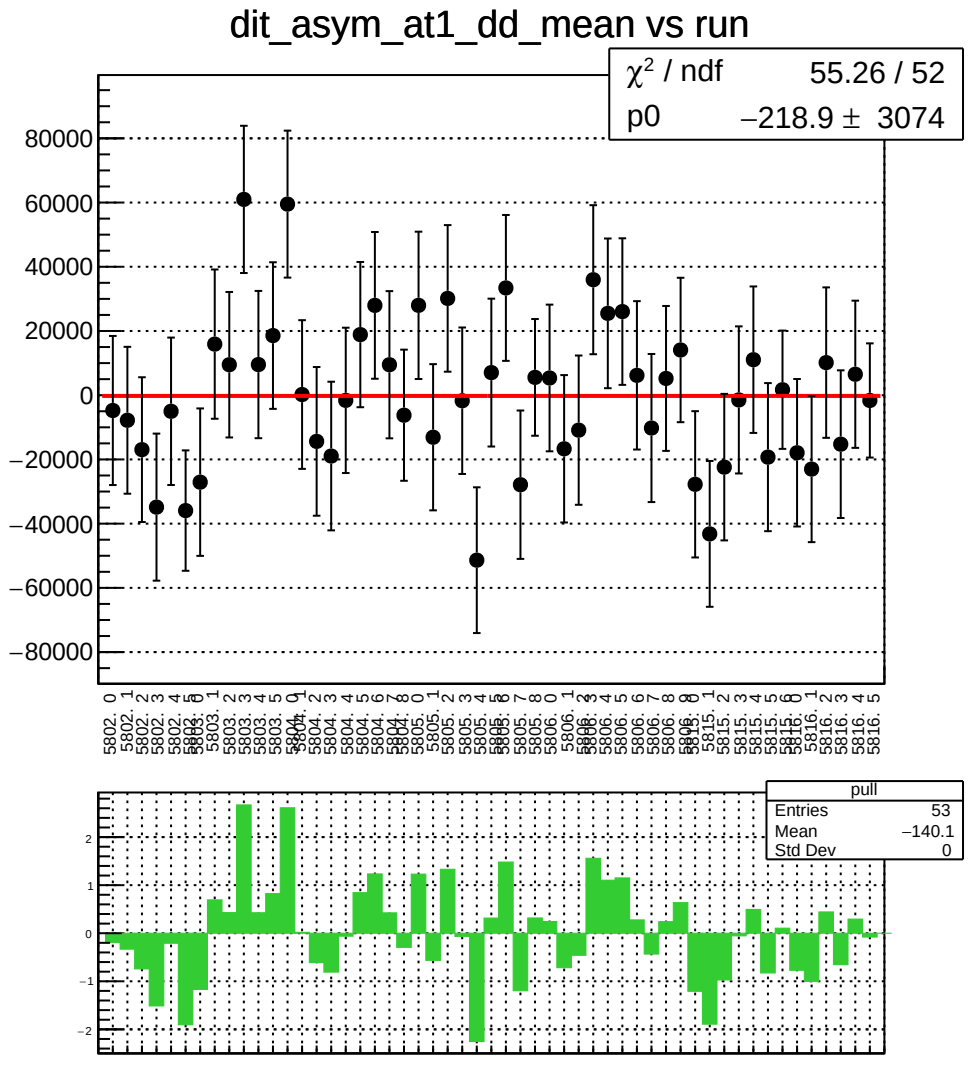

pull1D
Entries 53
Mean 0.007212
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

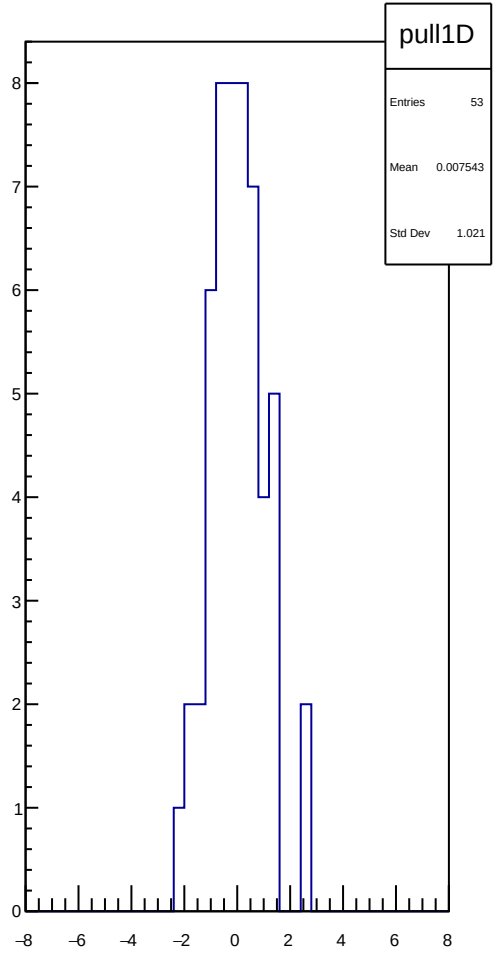

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 73.77 / 52
p0 2174 ± 2.173
2240
2220
2200
2180
2160
2140
2120

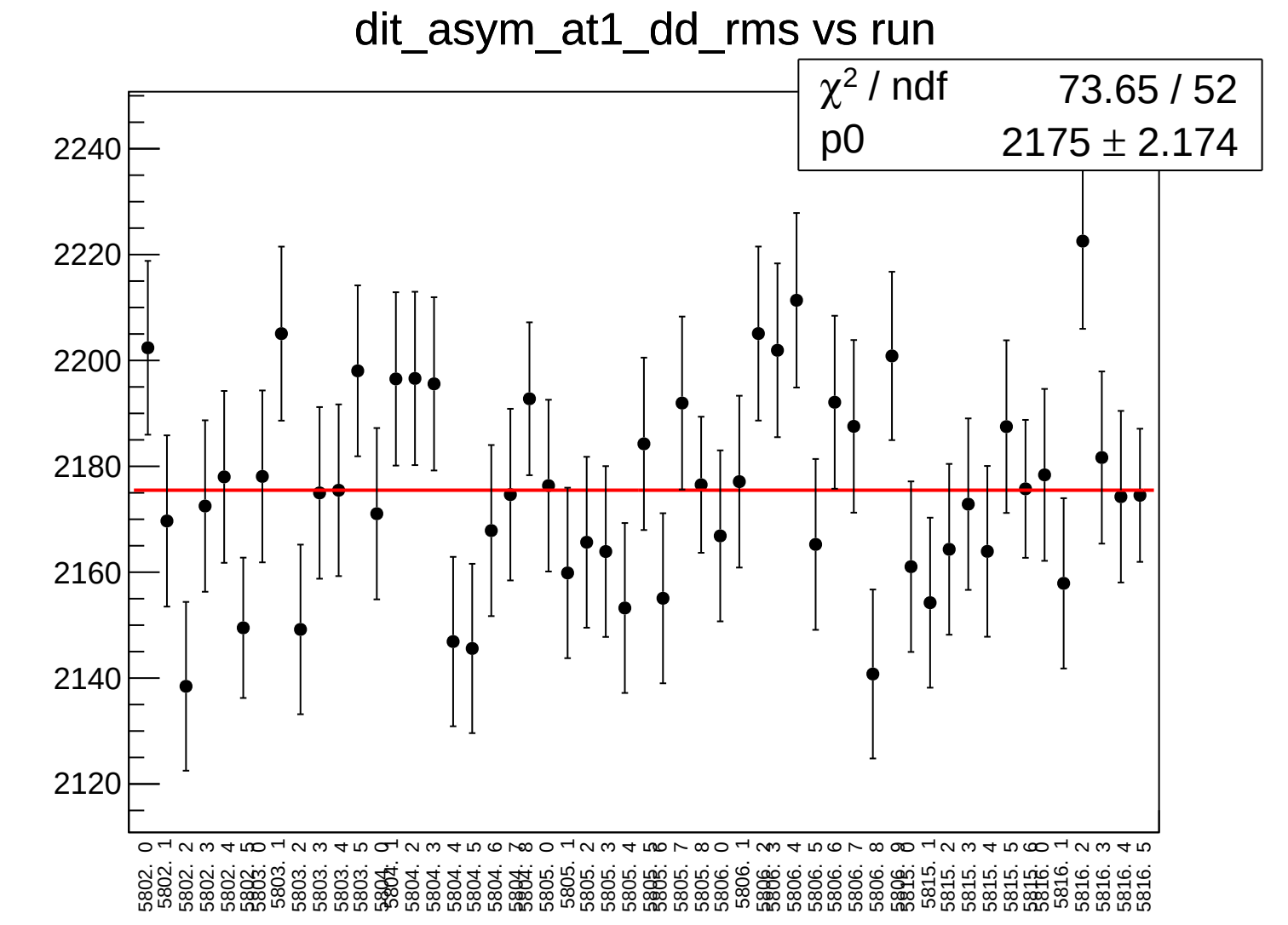

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.99 / 52
p0 −793.4 ± 1617
pull
Entries 53
Mean −85.23
Std Dev 0

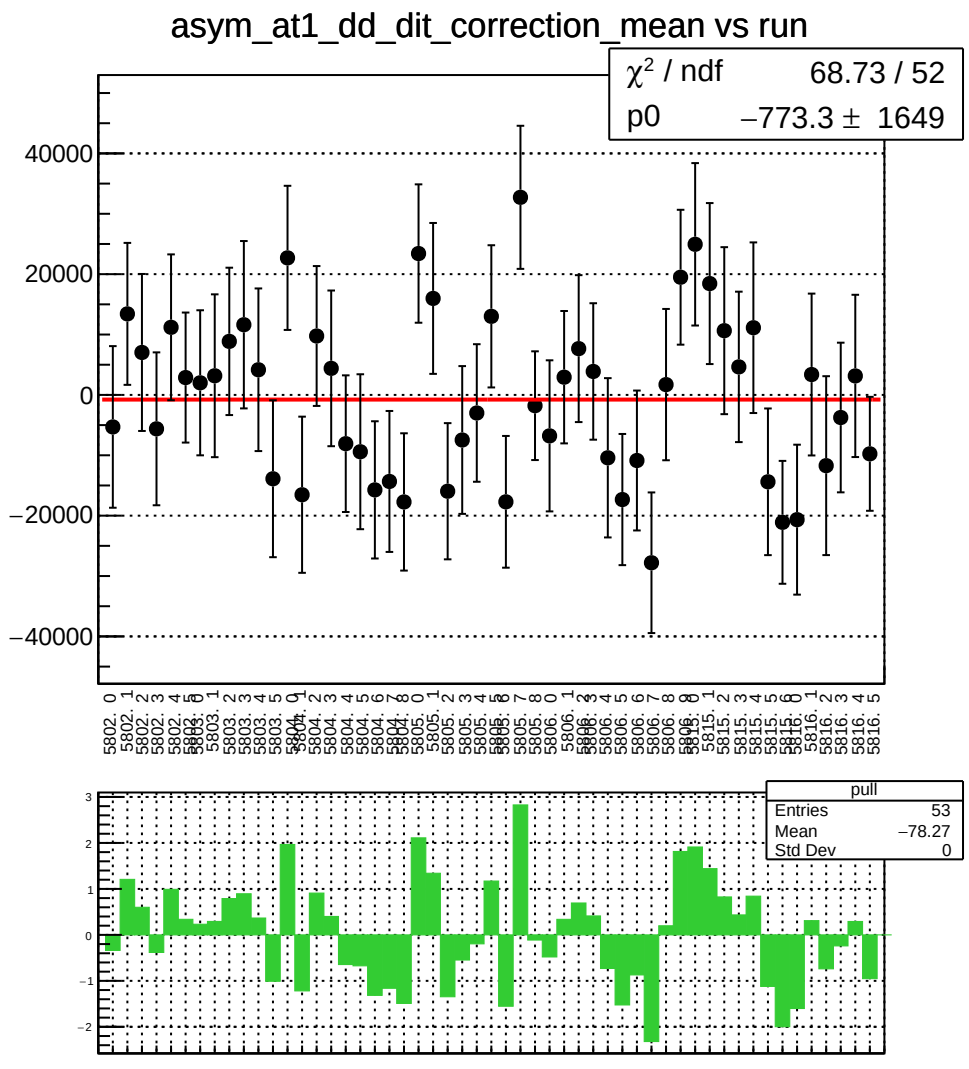

pull1D
Entries 53
Mean 0.02483
Std Dev 1.141

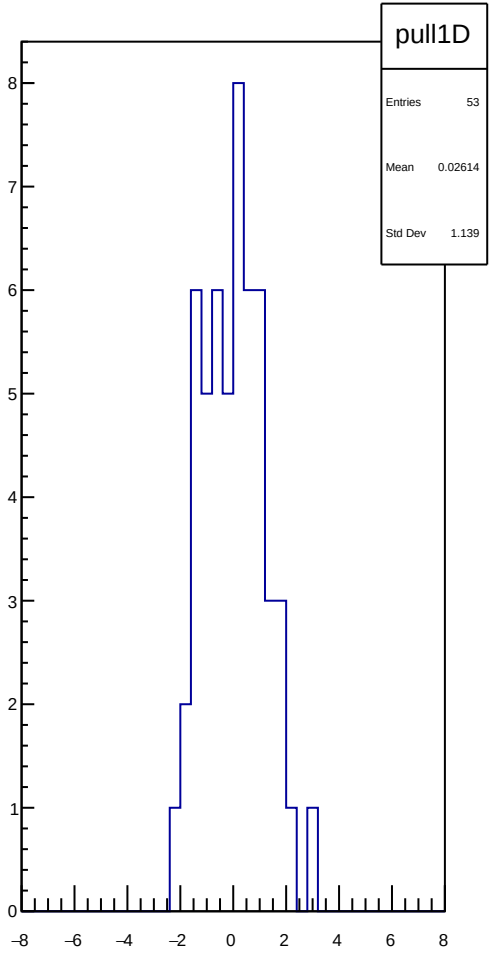

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5562 / 52
p0 1141 ± 1.143
1400
1300
1200
1100
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

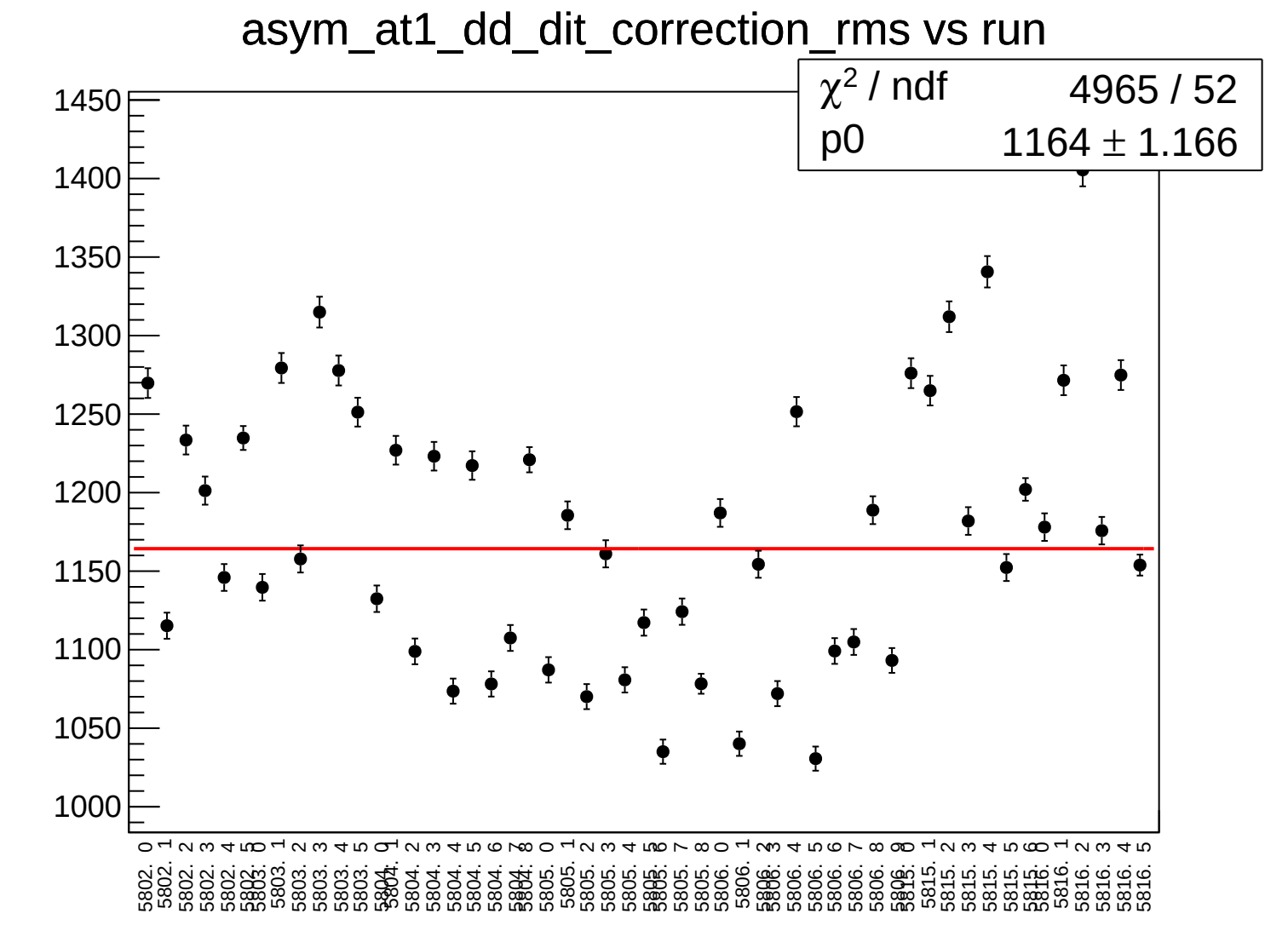

dit_asym_at1_dd_mean vs run
χ² / ndf 55.26 / 52
p0 −218.9 ± 3074
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −140.1
Std Dev 0
2
1
0
−1
−2

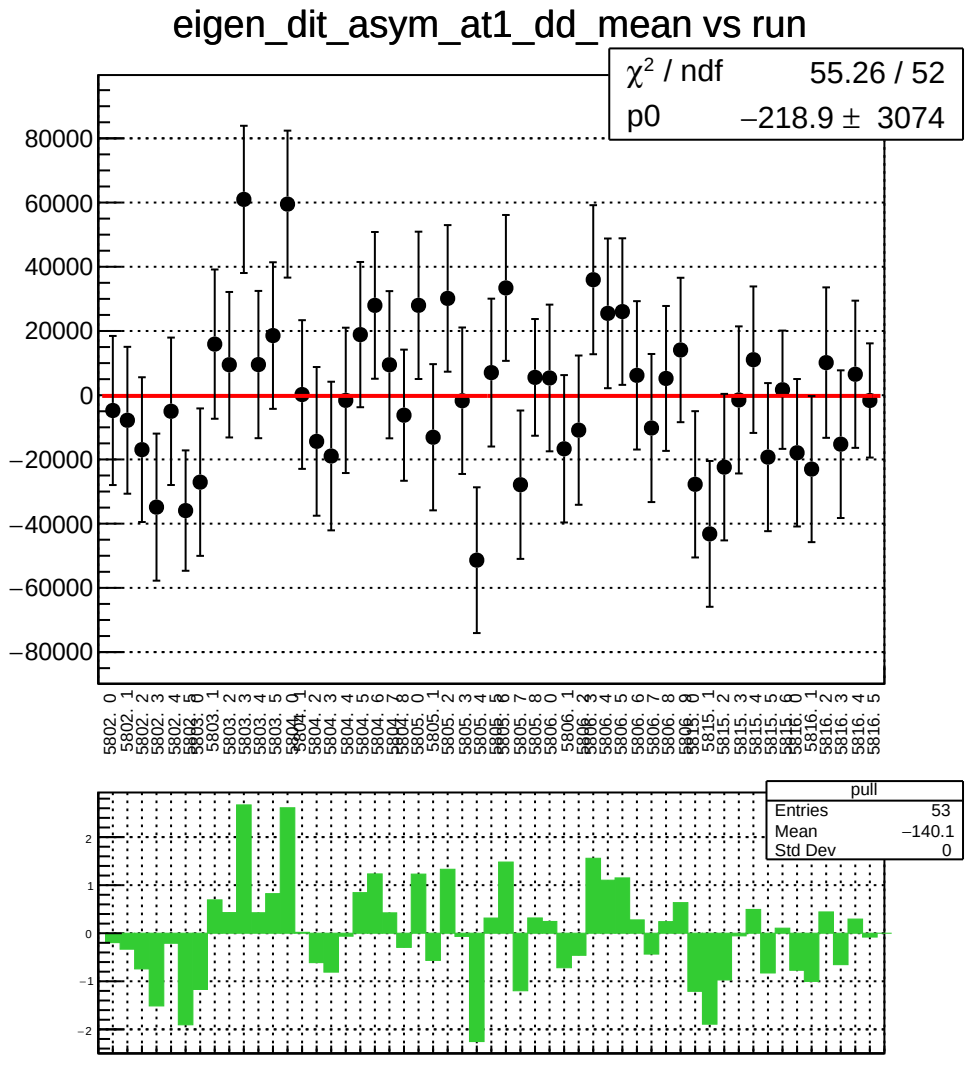

pull1D
Entries 53
Mean 0.007543
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

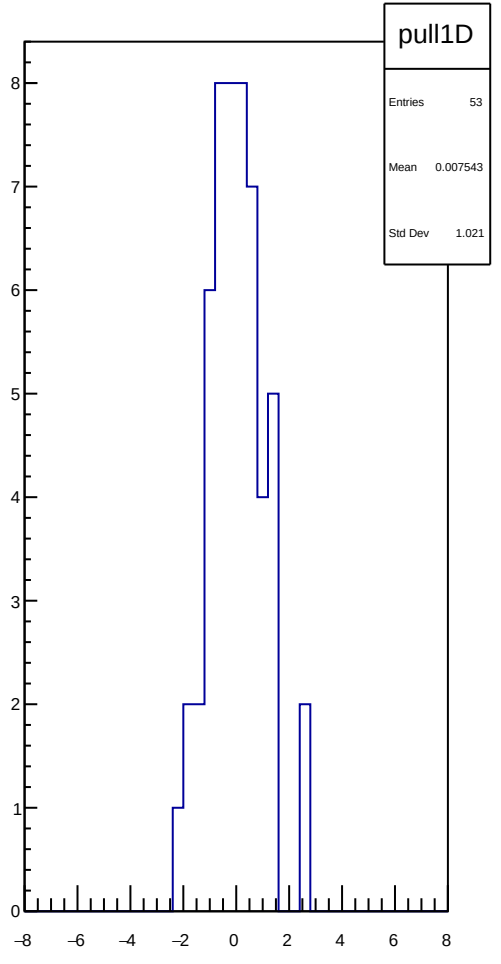

dit_asym_at1_dd_rms vs run
χ² / ndf 73.65 / 52
p0 2175 ± 2.174
2240
2220
2200
2180
2160
2140
2120

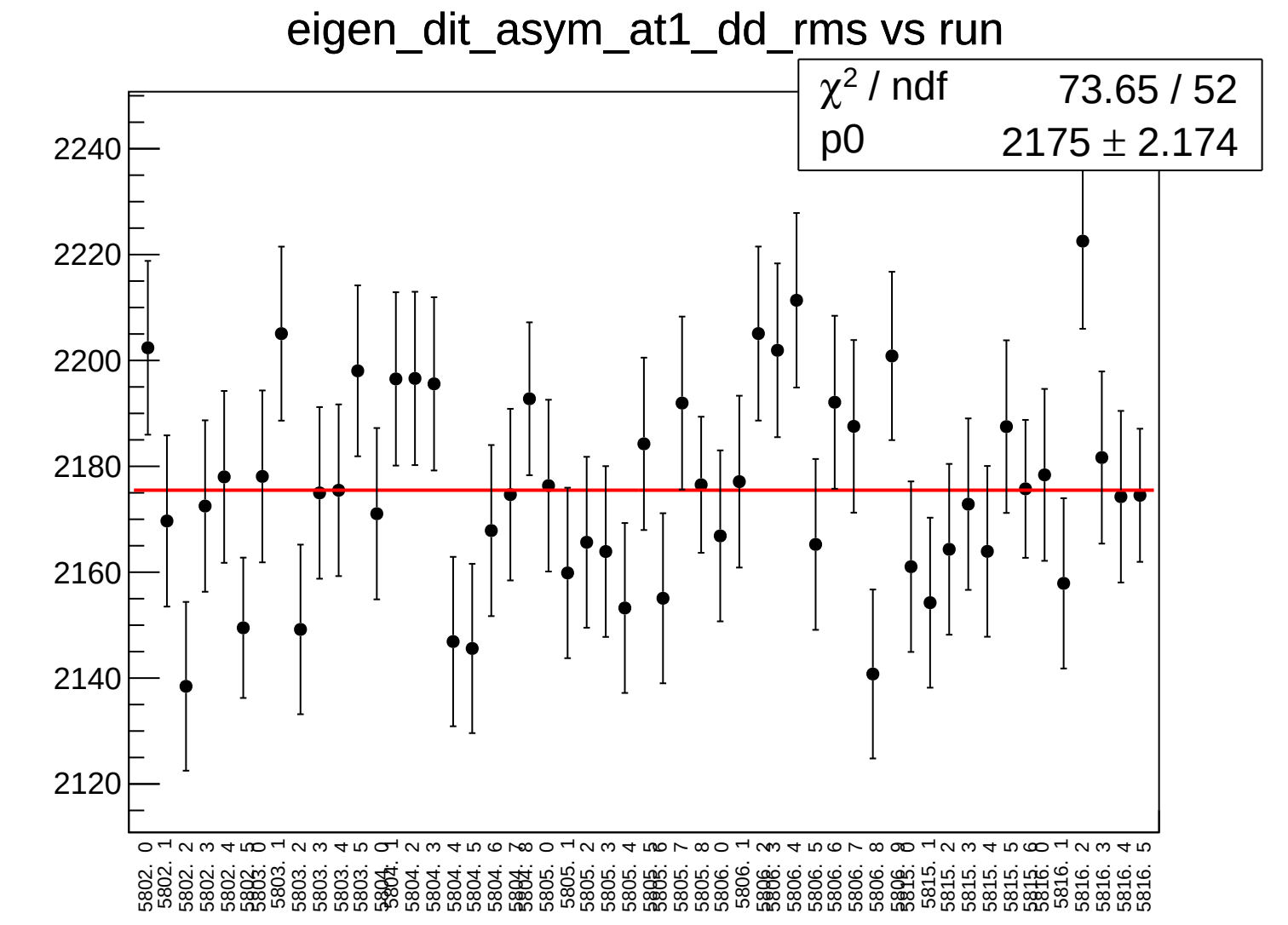

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 68.73 / 52
p0 −773.3 ± 1649
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −78.27
Std Dev 0

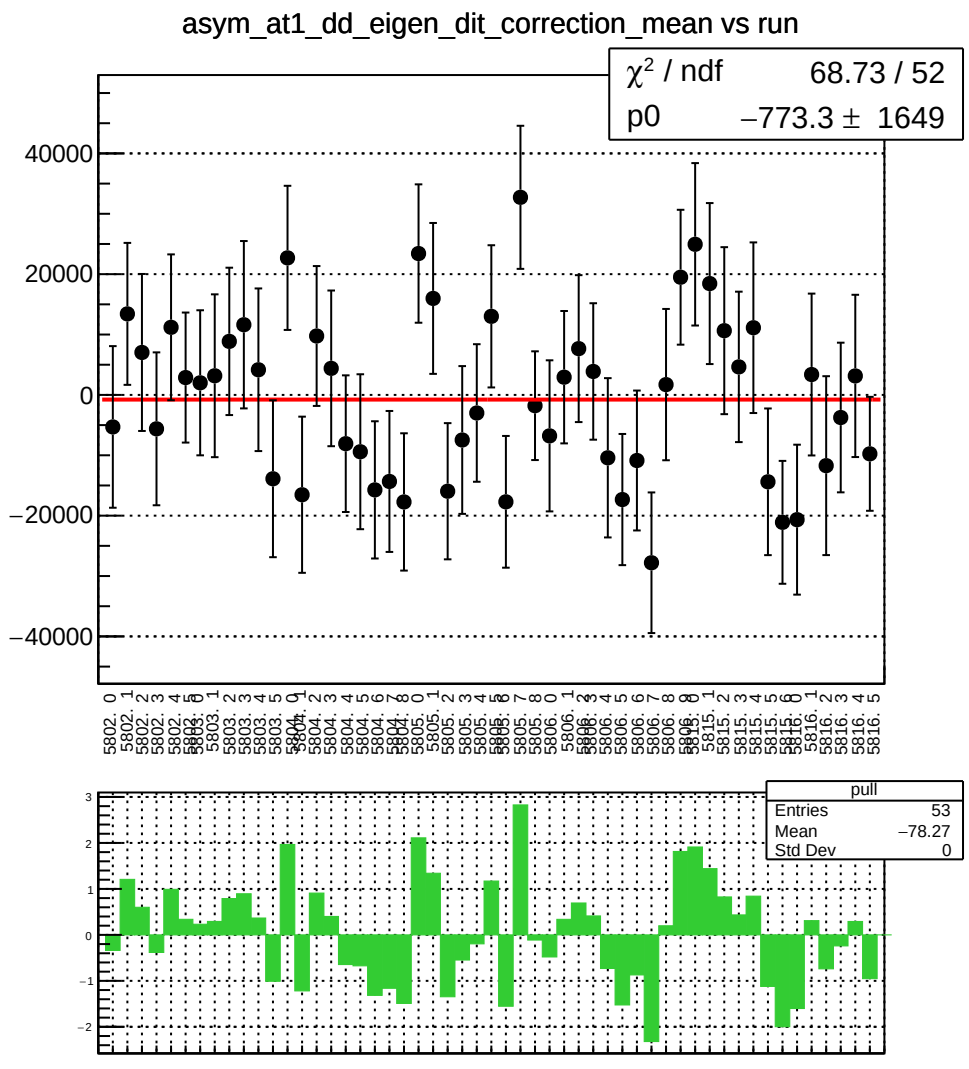

pull1D
Entries 53
Mean 0.02614
Std Dev 1.139

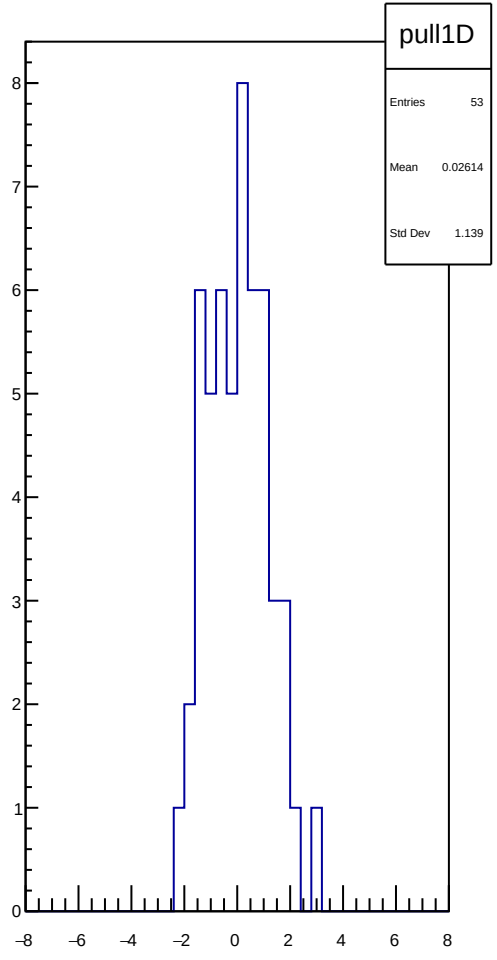

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 4965 / 52
p0 1164 ± 1.166
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

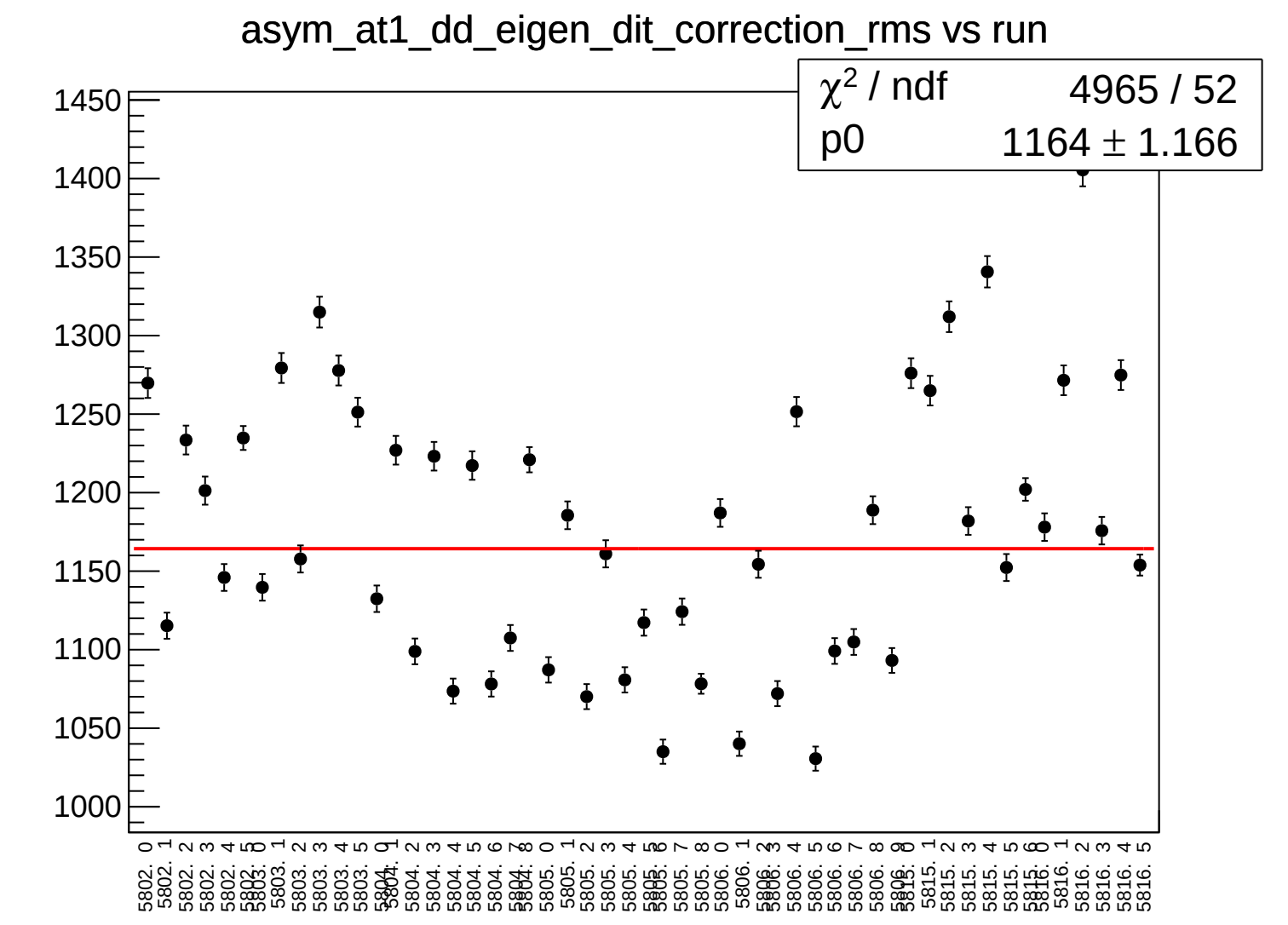

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 55.26 / 52
p0 −218.9 ± 3074
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −140.1
Std Dev 0

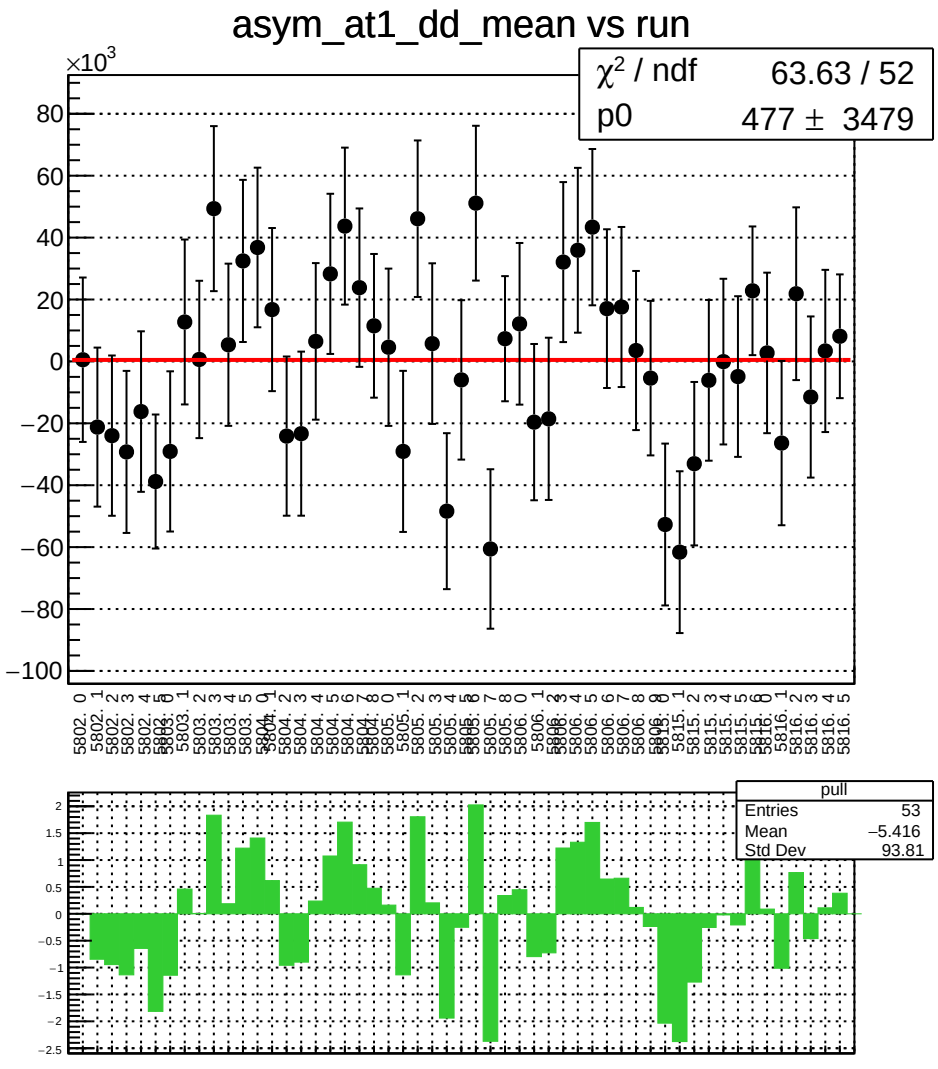

pull1D
Entries 53
Mean 0.007543
Std Dev 1.021

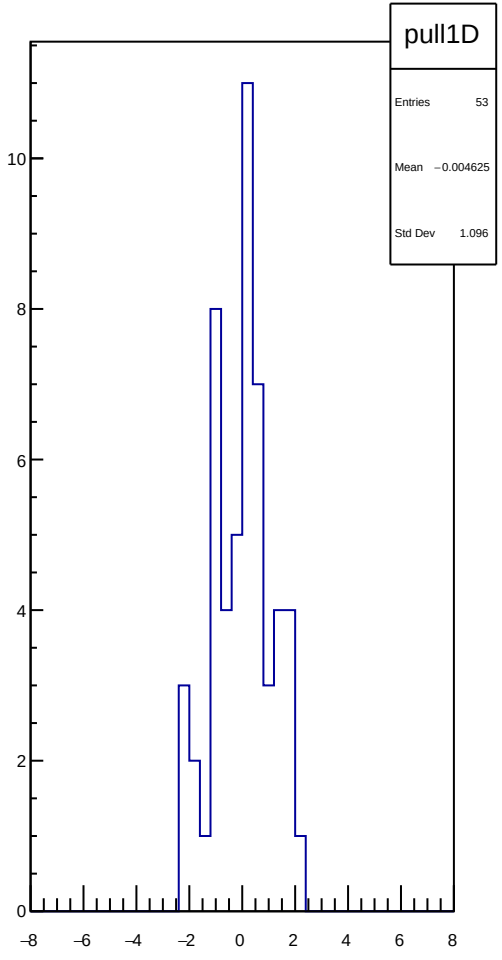

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 73.65 / 52
p0 2175 ± 2.174
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

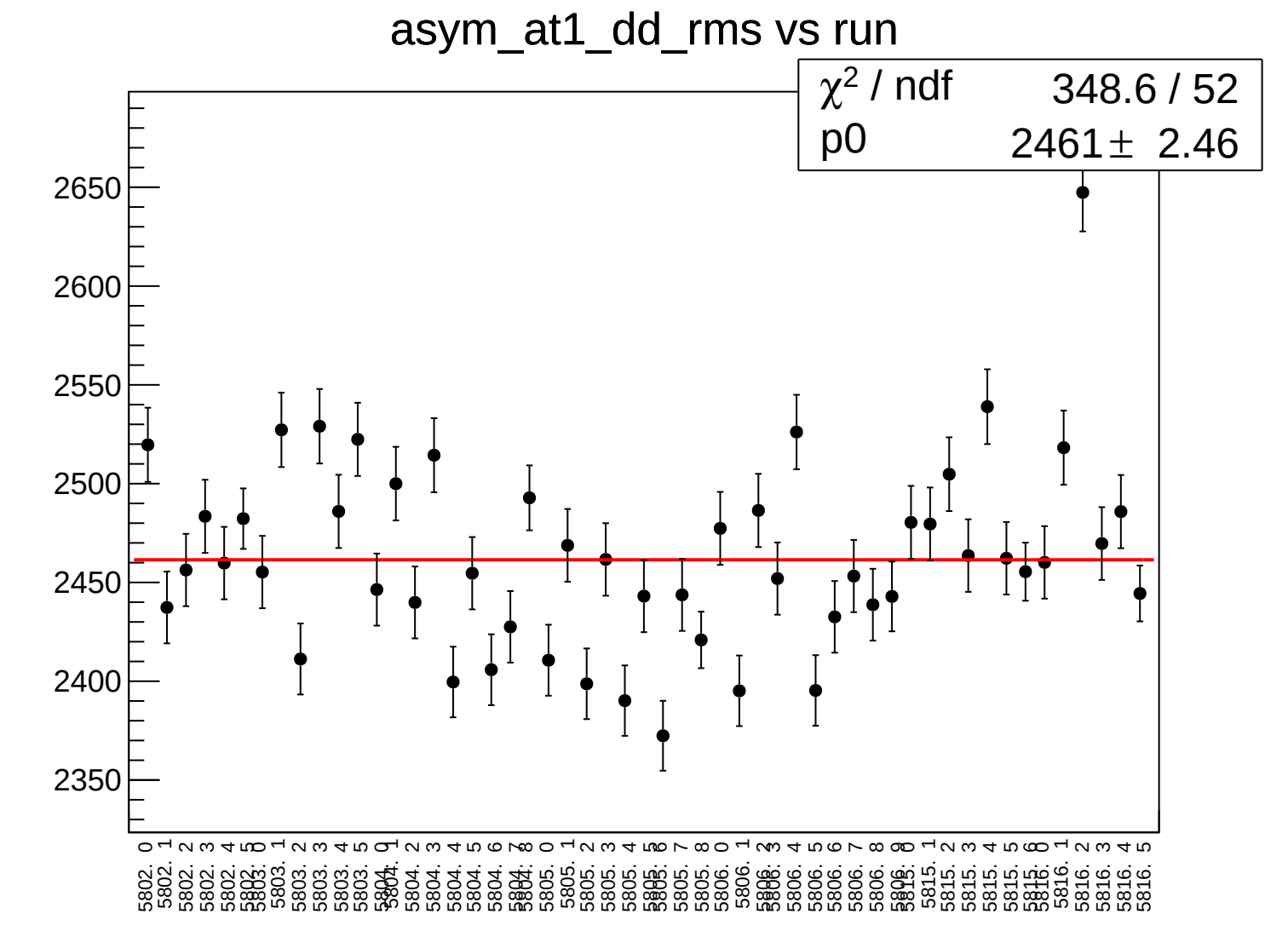

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.73 / 52
p0 −773.3 ± 1649
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −78.27
Std Dev 0

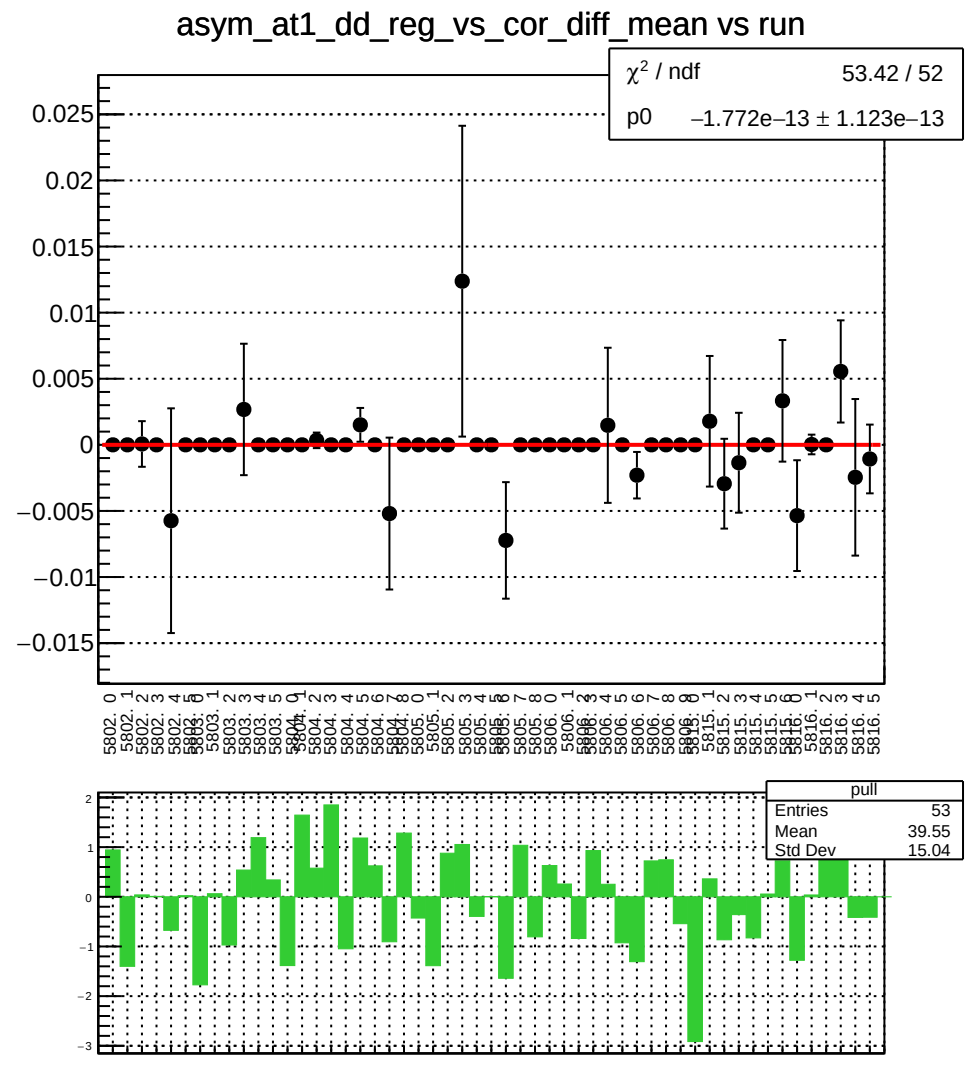

pull1D
Entries 53
Mean 0.02614
Std Dev 1.139

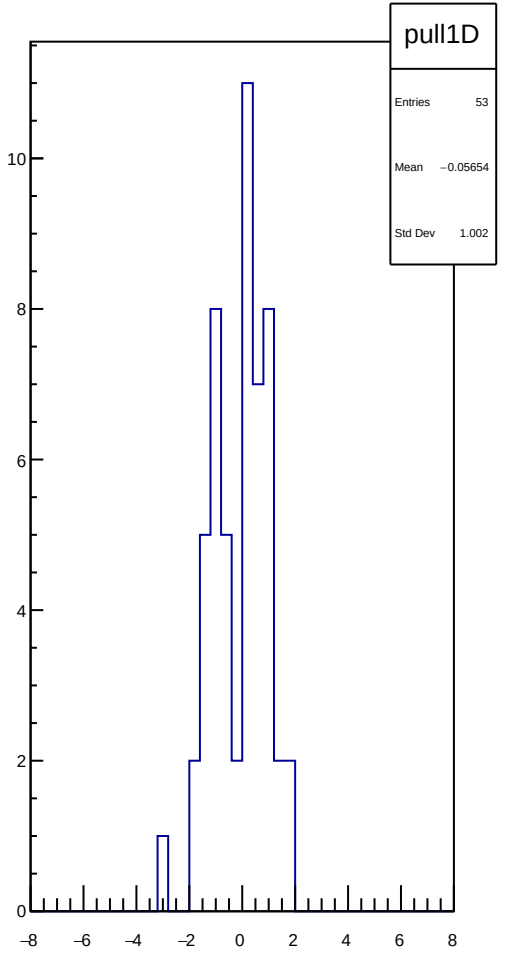

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4965 / 52
p0 1164 ± 1.166
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000

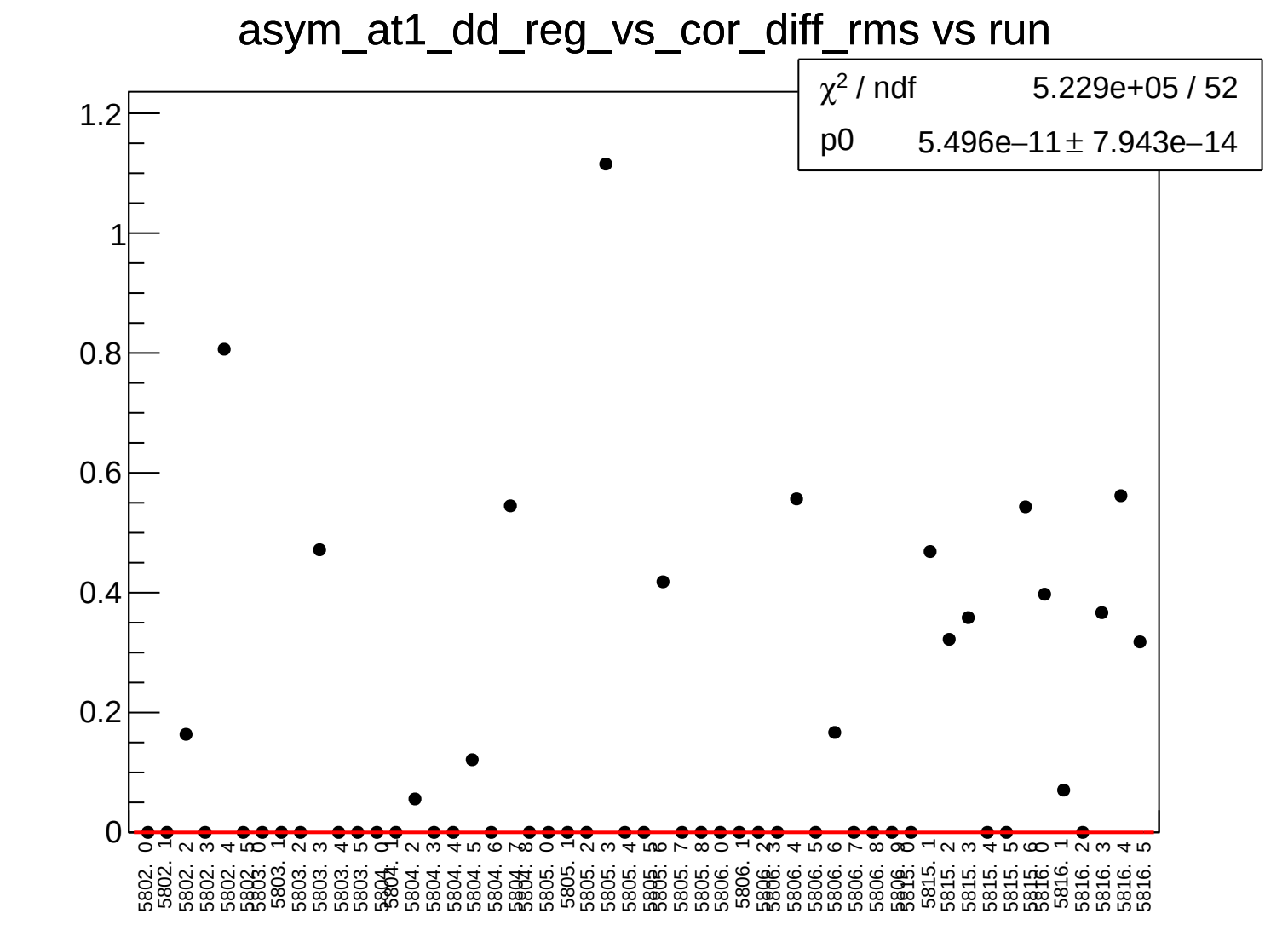

asym_at1_dd_mean vs run
×10^3
χ² / ndf 63.63 / 52
p0 477 ± 3479
pull
Entries 53
Mean −5.416
Std Dev 93.81

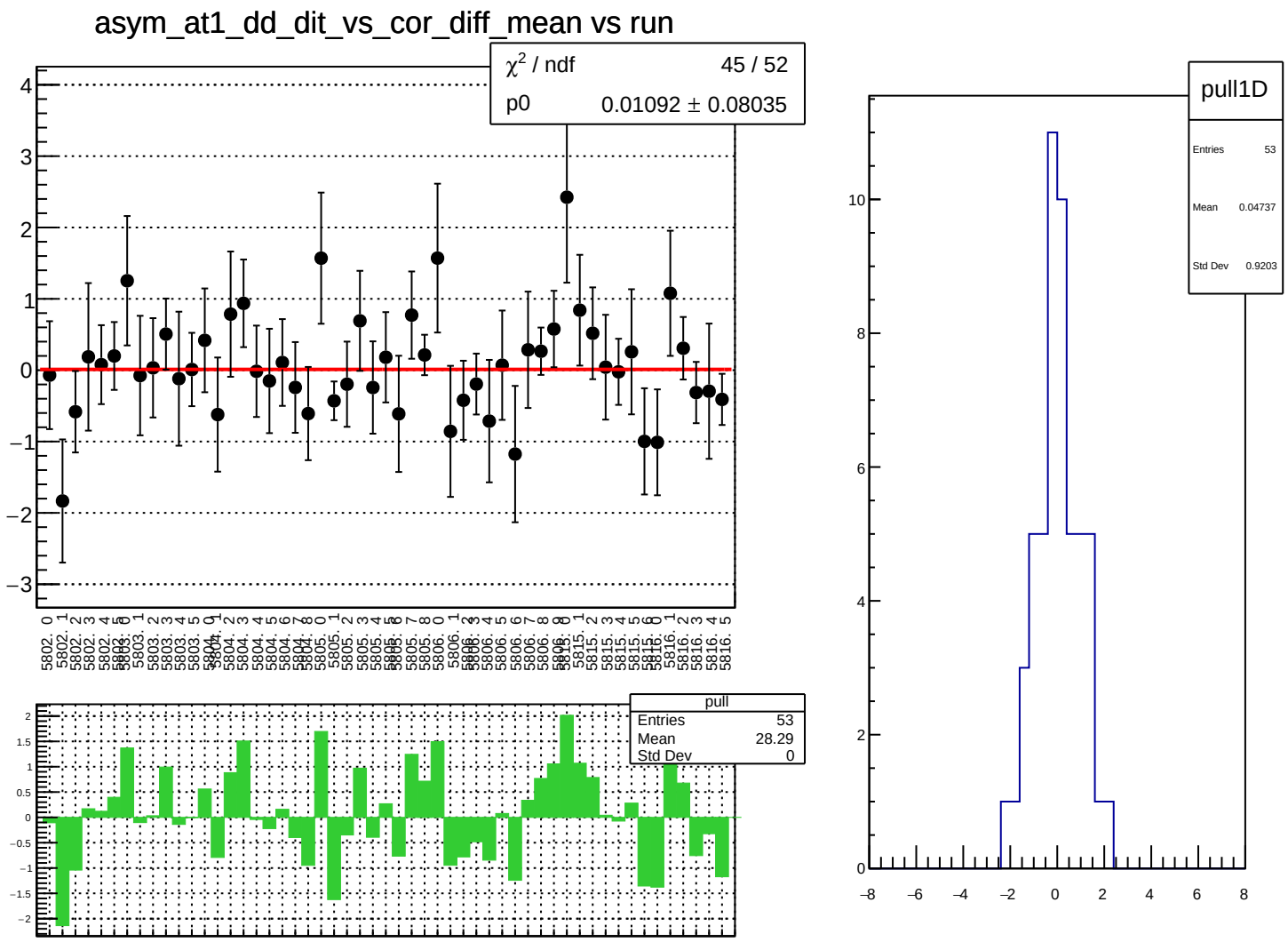

pull1D
Entries 53
Mean −0.004625
Std Dev 1.096

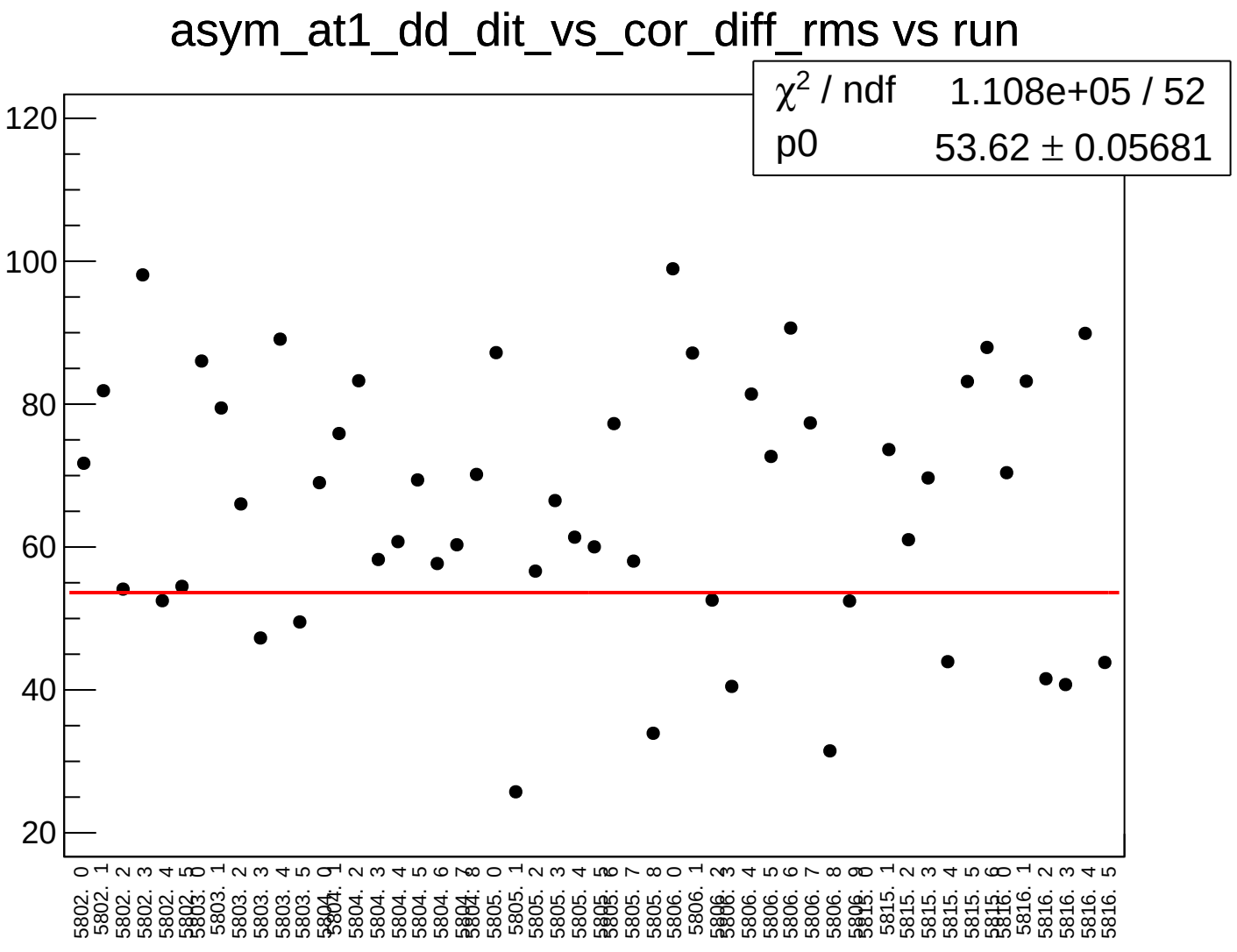

asym_at1_dd_rms vs run
χ² / ndf 348.6 / 52
p0 2461 ± 2.46
2650
2600
2550
2500
2450
2400
2350

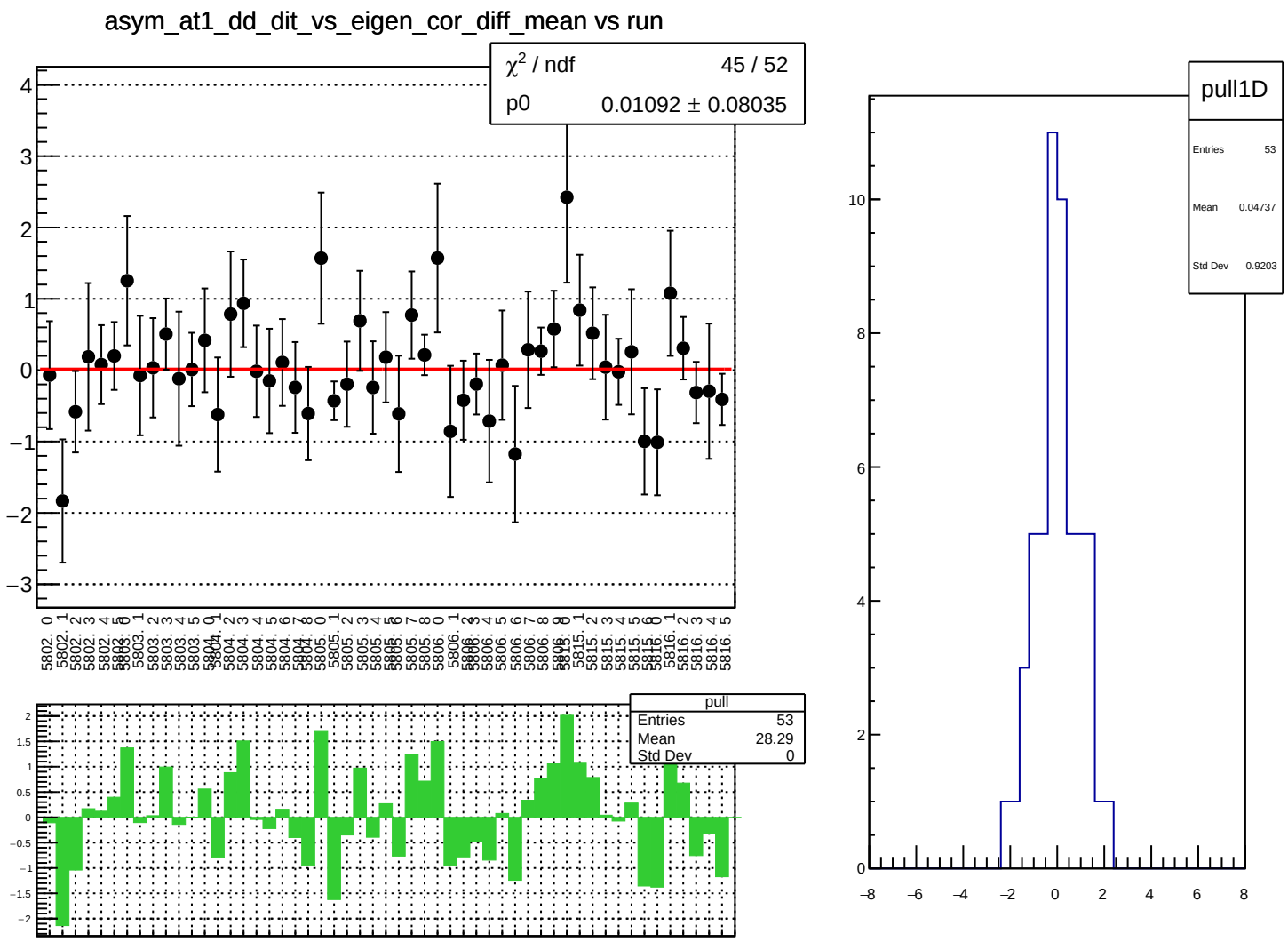

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.42 / 52
p0 −1.772e−13 ± 1.123e−13
pull
Entries 53
Mean 39.55
Std Dev 15.04

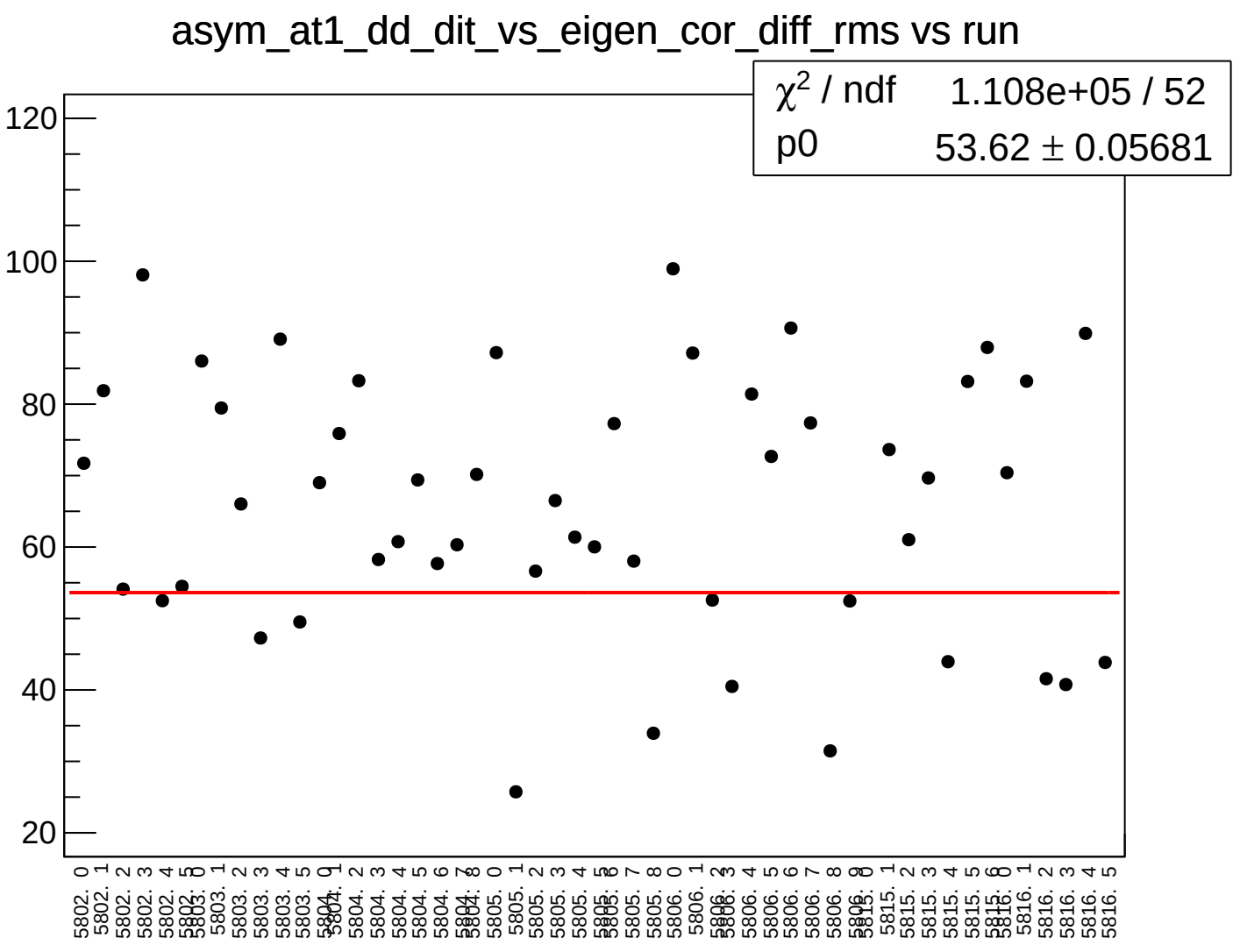

pull1D
Entries 53
Mean −0.05654
Std Dev 1.002

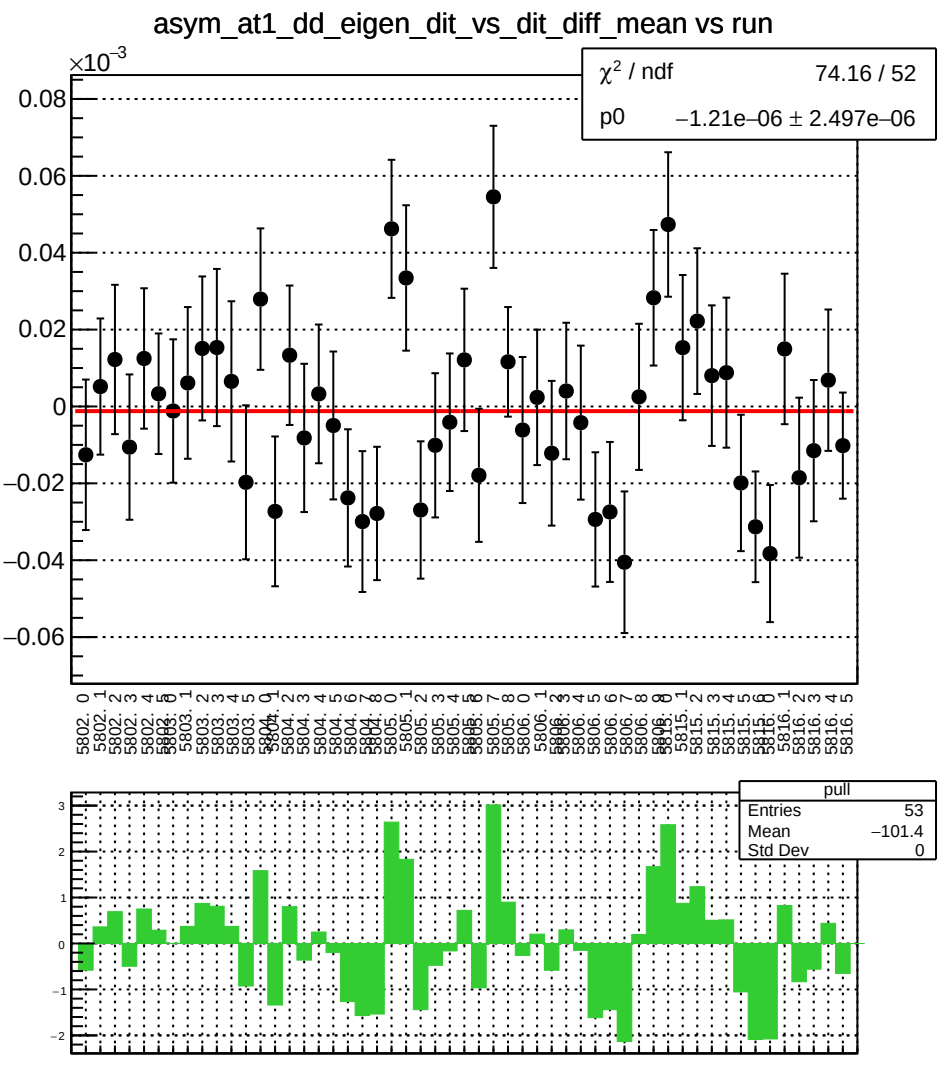

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.229e+05 / 52
p0 5.496e−11 ± 7.943e−14
1.2
1
0.8
0.6
0.4
0.2
0

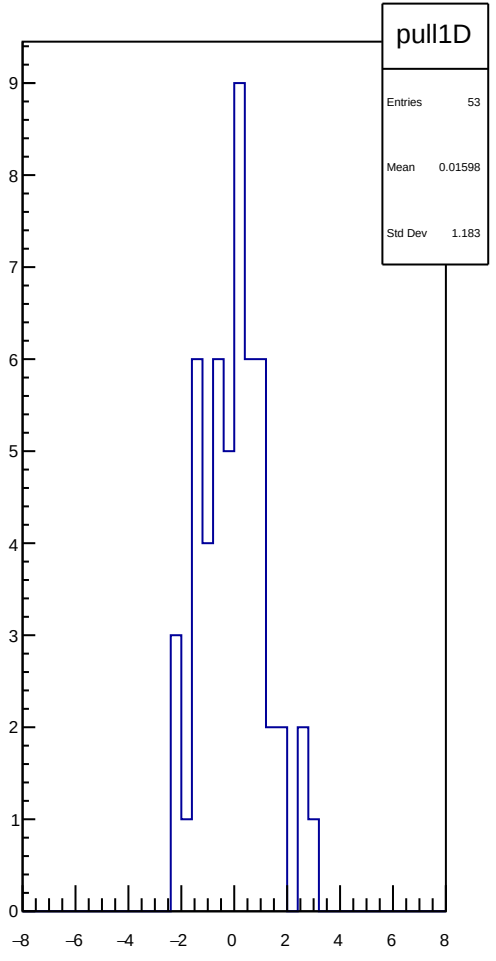

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45 / 52
p0 0.01092 ± 0.08035
pull
Entries 53
Mean 28.29
Std Dev 0
pull1D
Entries 53
Mean 0.04737
Std Dev 0.9203

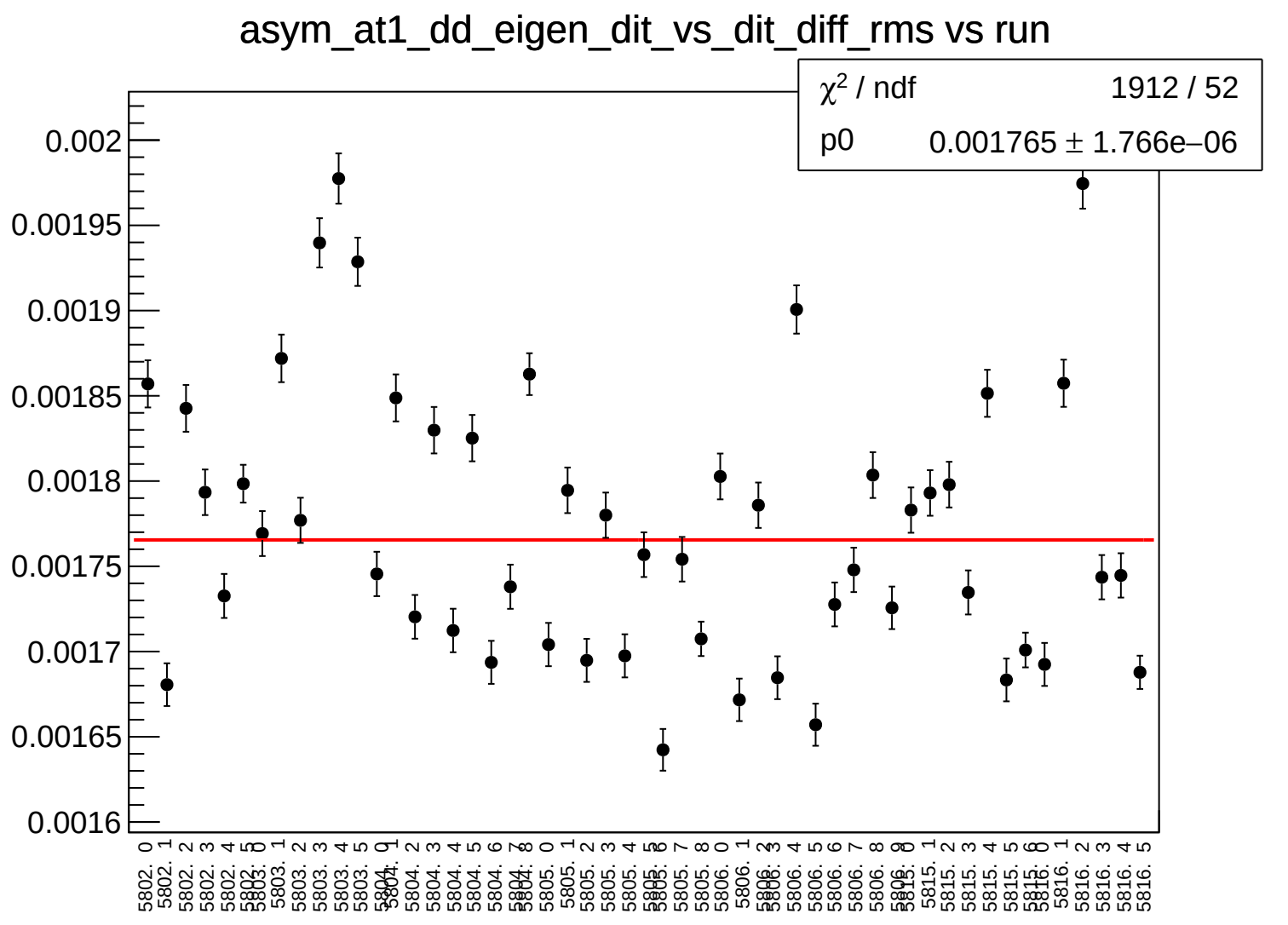

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.108e+05 / 52
p0 53.62 ± 0.05681
120
100
80
60
40
20

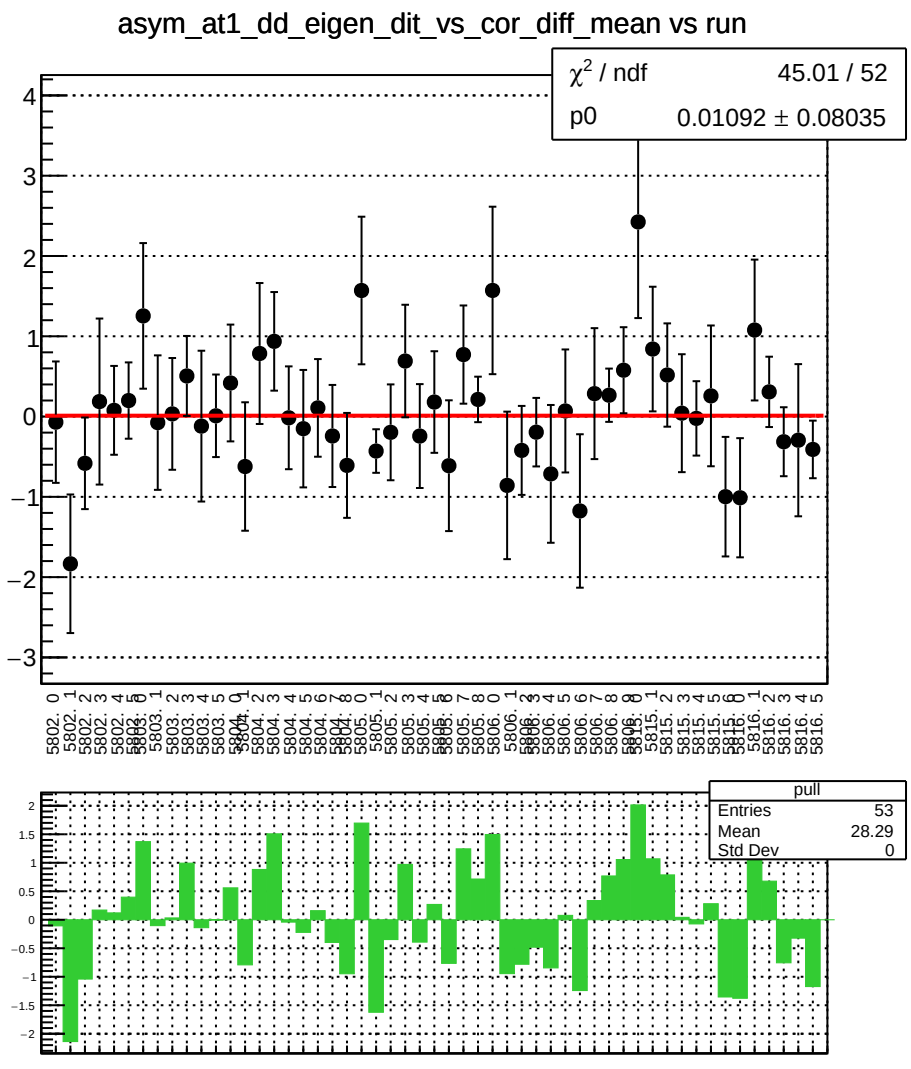

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45 / 52
p0 0.01092 ± 0.08035
pull
Entries 53
Mean 28.29
Std Dev 0
pull1D
Entries 53
Mean 0.04737
Std Dev 0.9203

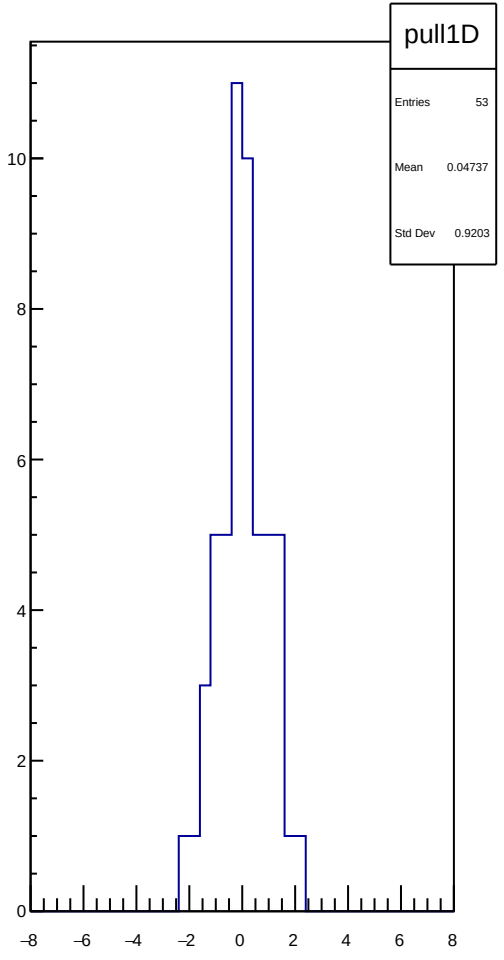

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 52
p0 53.62 ± 0.05681
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

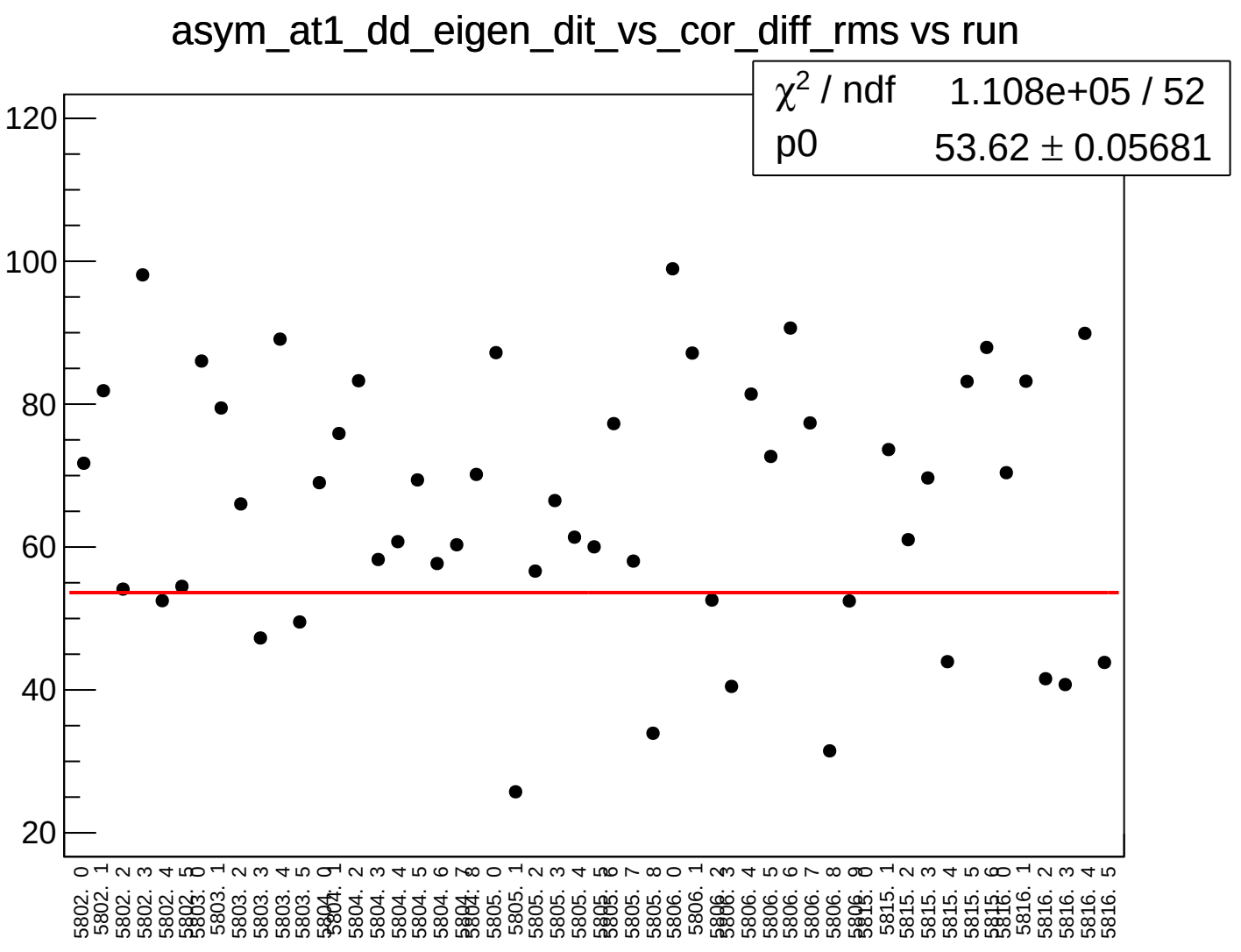

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.16 / 52
p0 −1.21e−06 ± 2.497e−06
pull
Entries 53
Mean −101.4
Std Dev 0


pull1D
Entries 53
Mean 0.01598
Std Dev 1.183

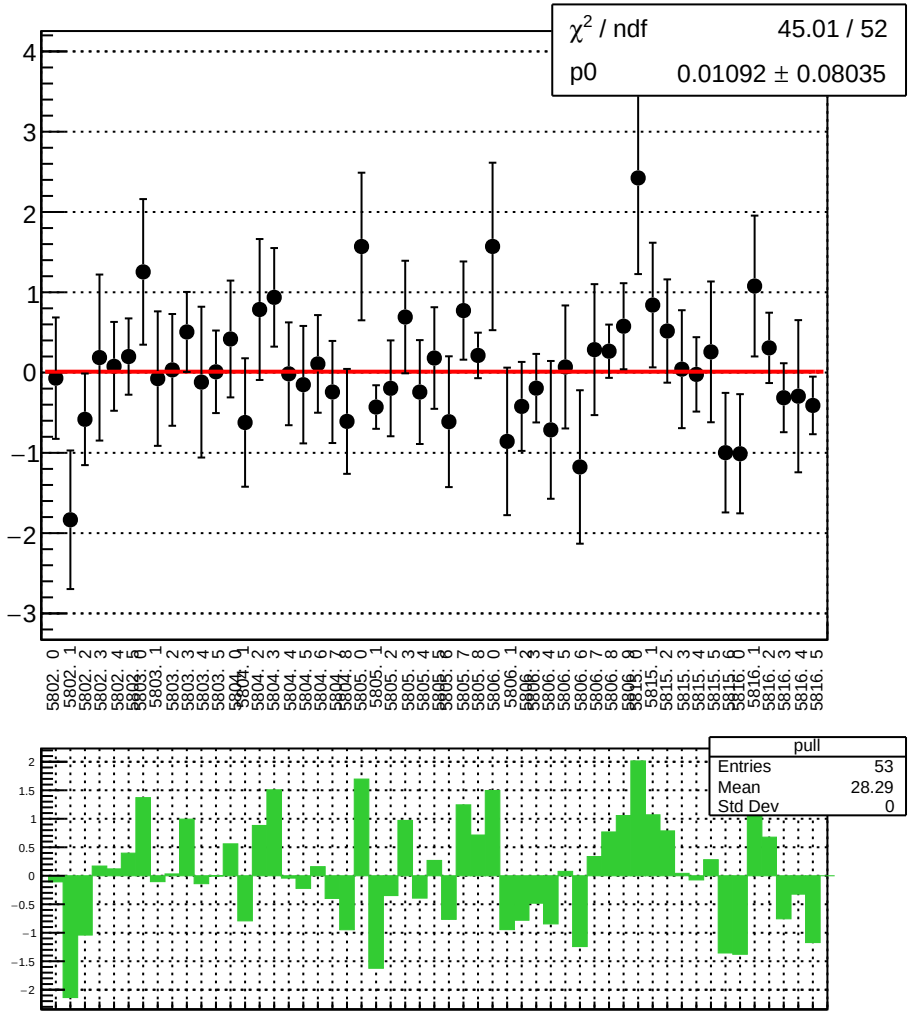

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1912 / 52
p0 0.001765 ± 1.766e−06
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016

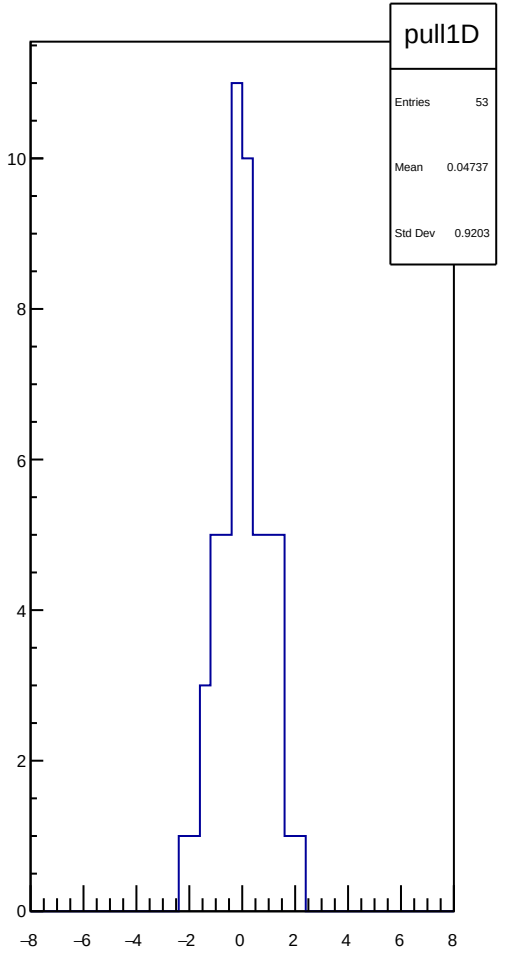

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.01 / 52
p0 0.01092 ± 0.08035
pull
Entries 53
Mean 28.29
Std Dev 0

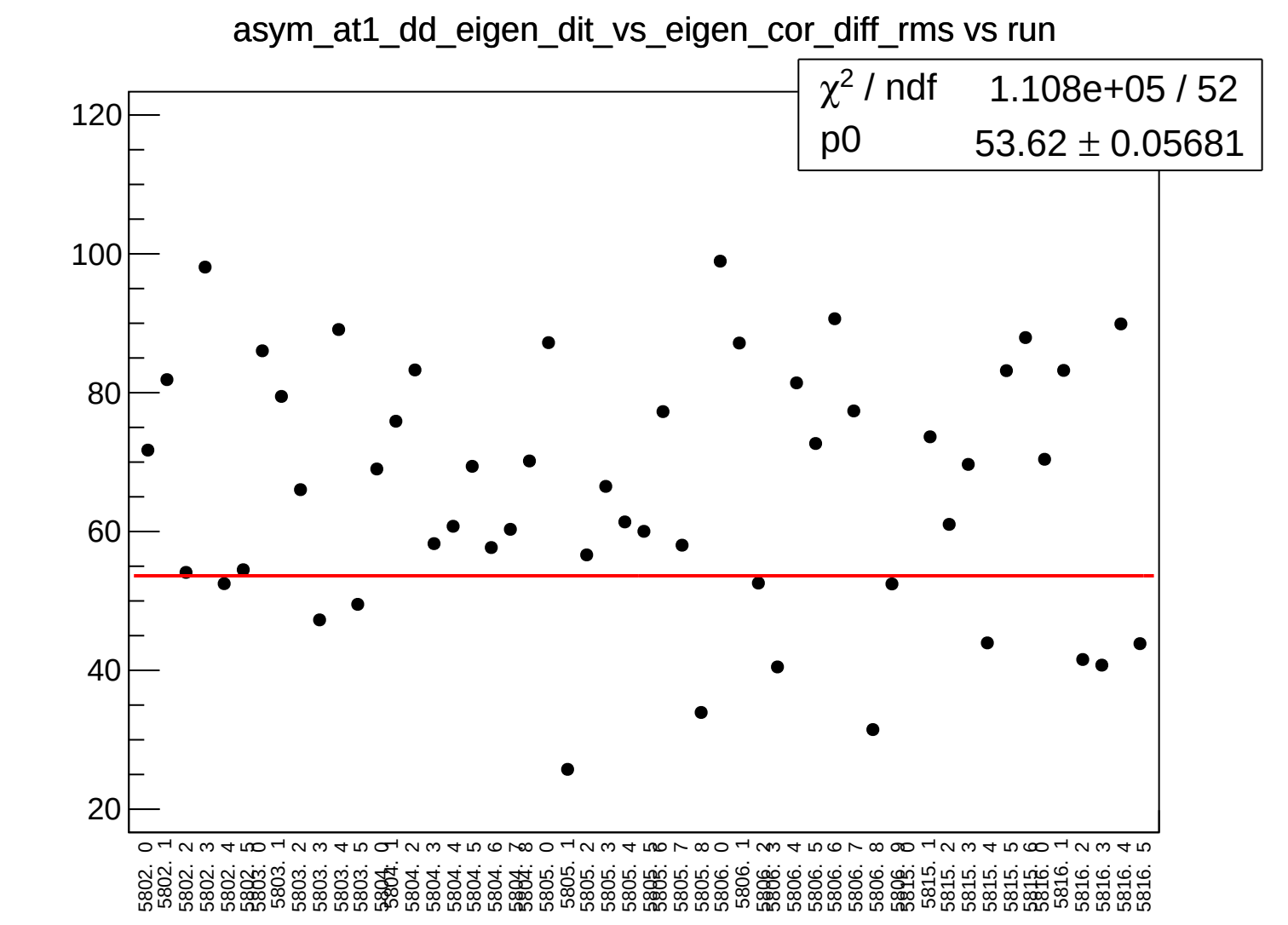

pull1D
Entries 53
Mean 0.04737
Std Dev 0.9203

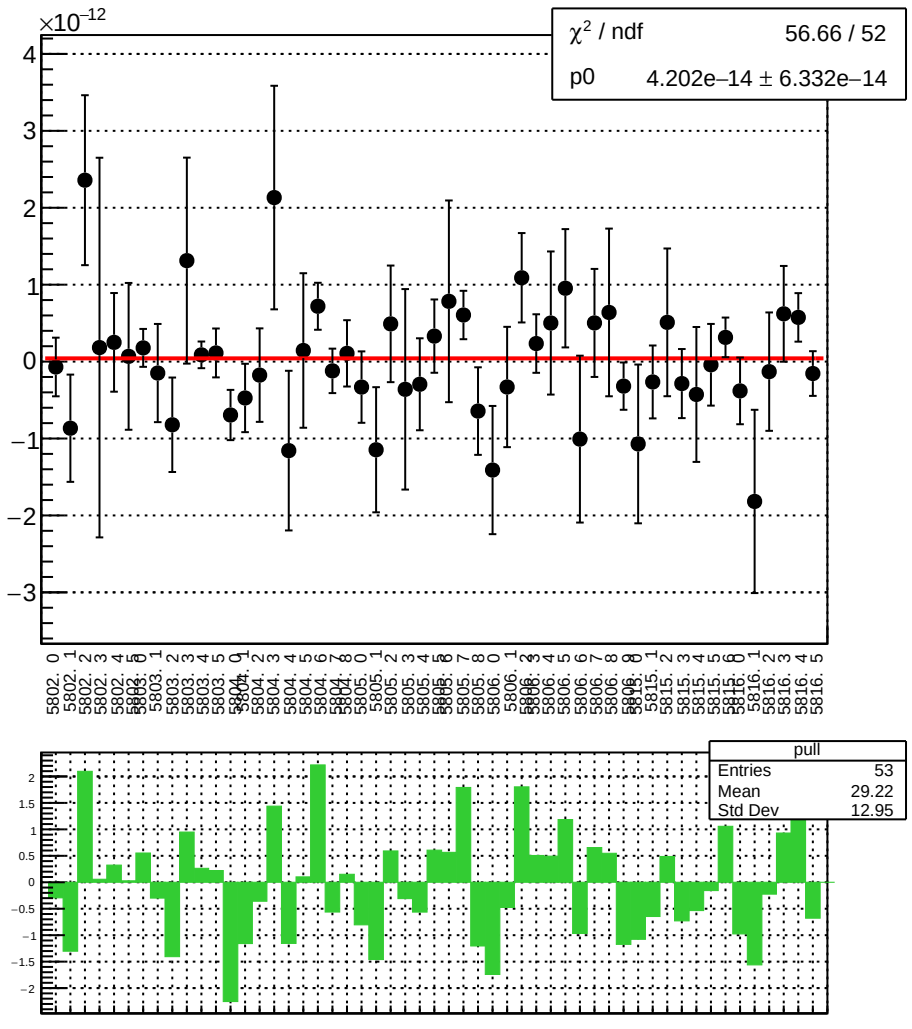

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 52
p0 53.62 ± 0.05681
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

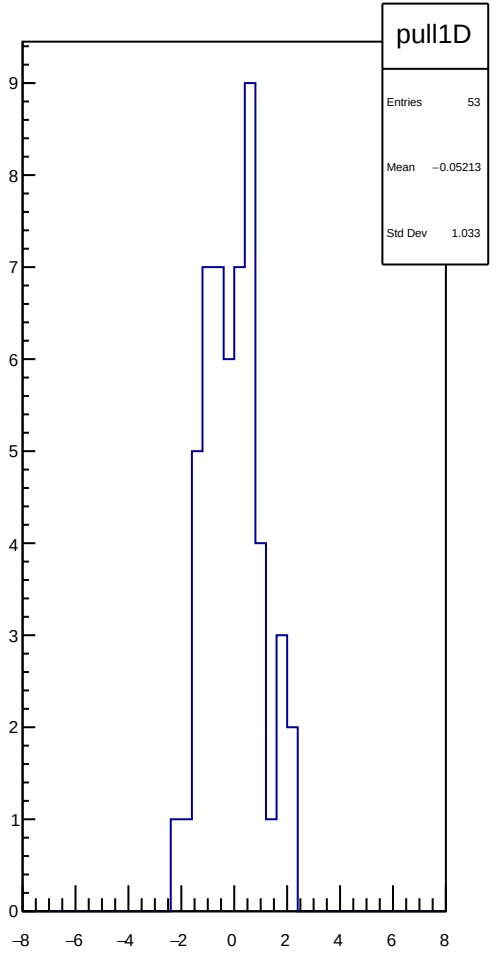
asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

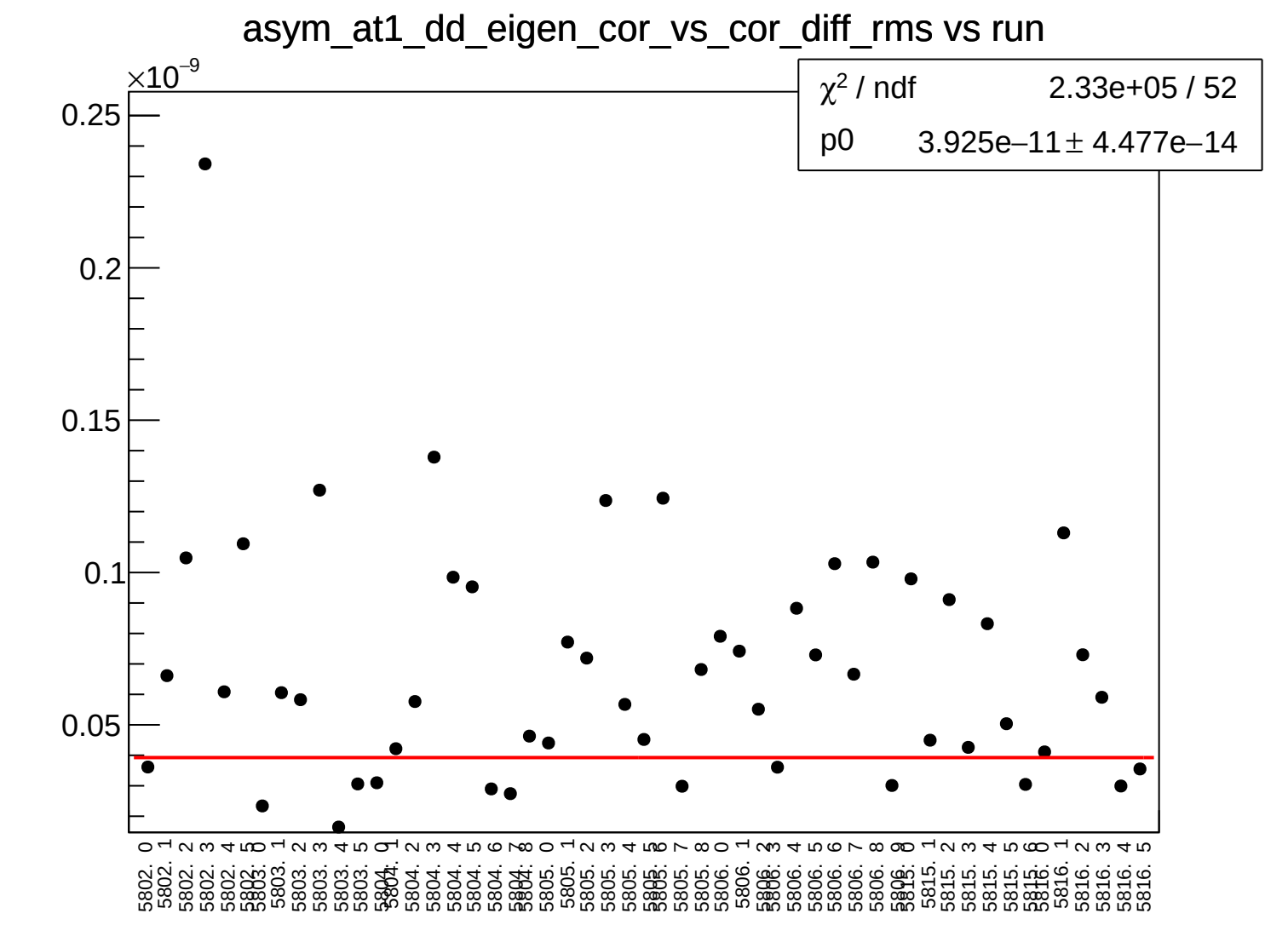


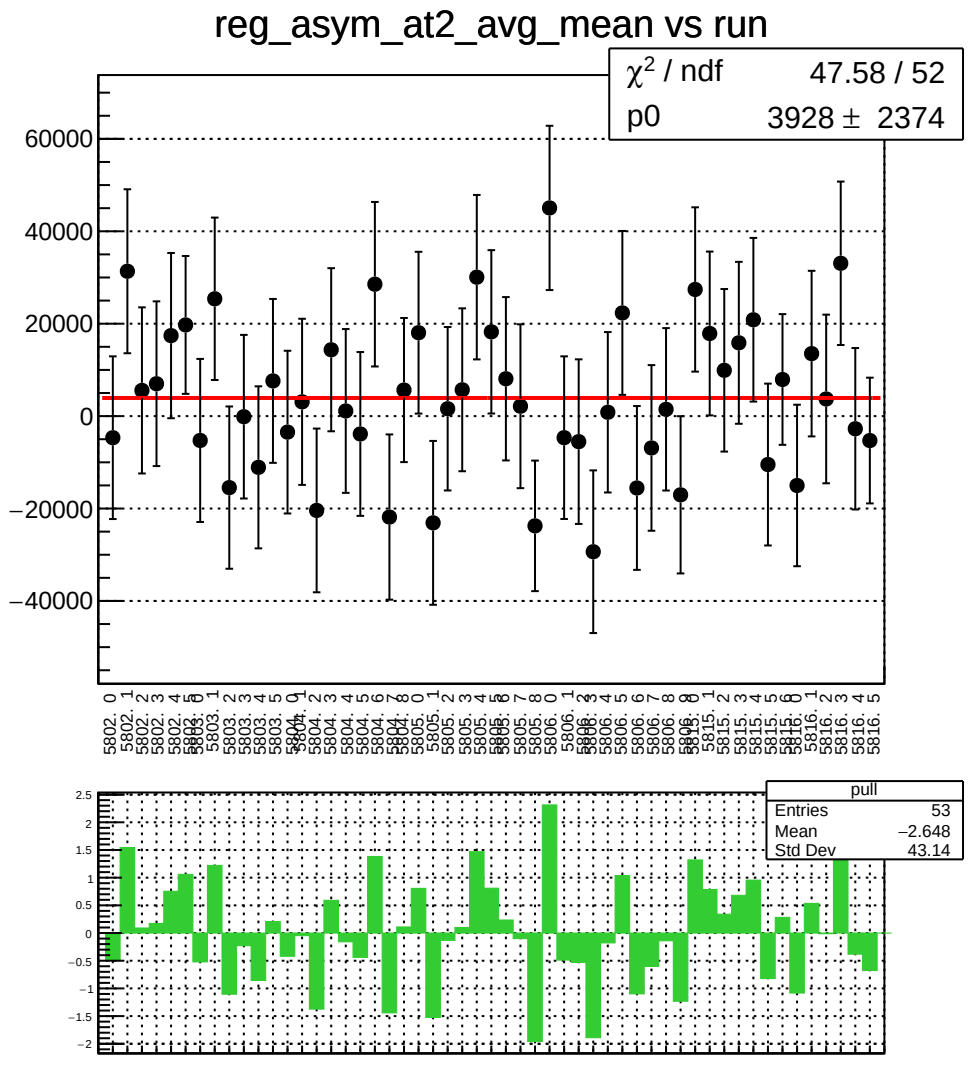


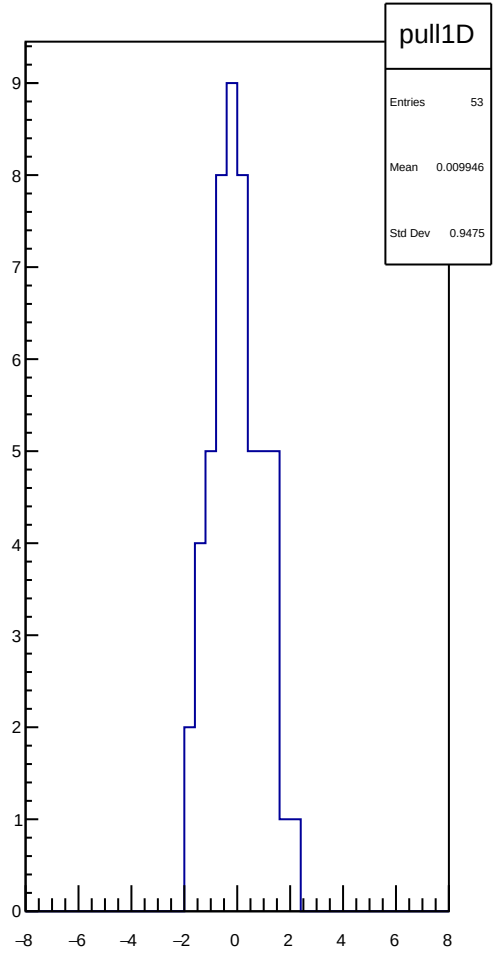

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 52
p0 53.62 ± 0.05681
120
100
80
60
40
20

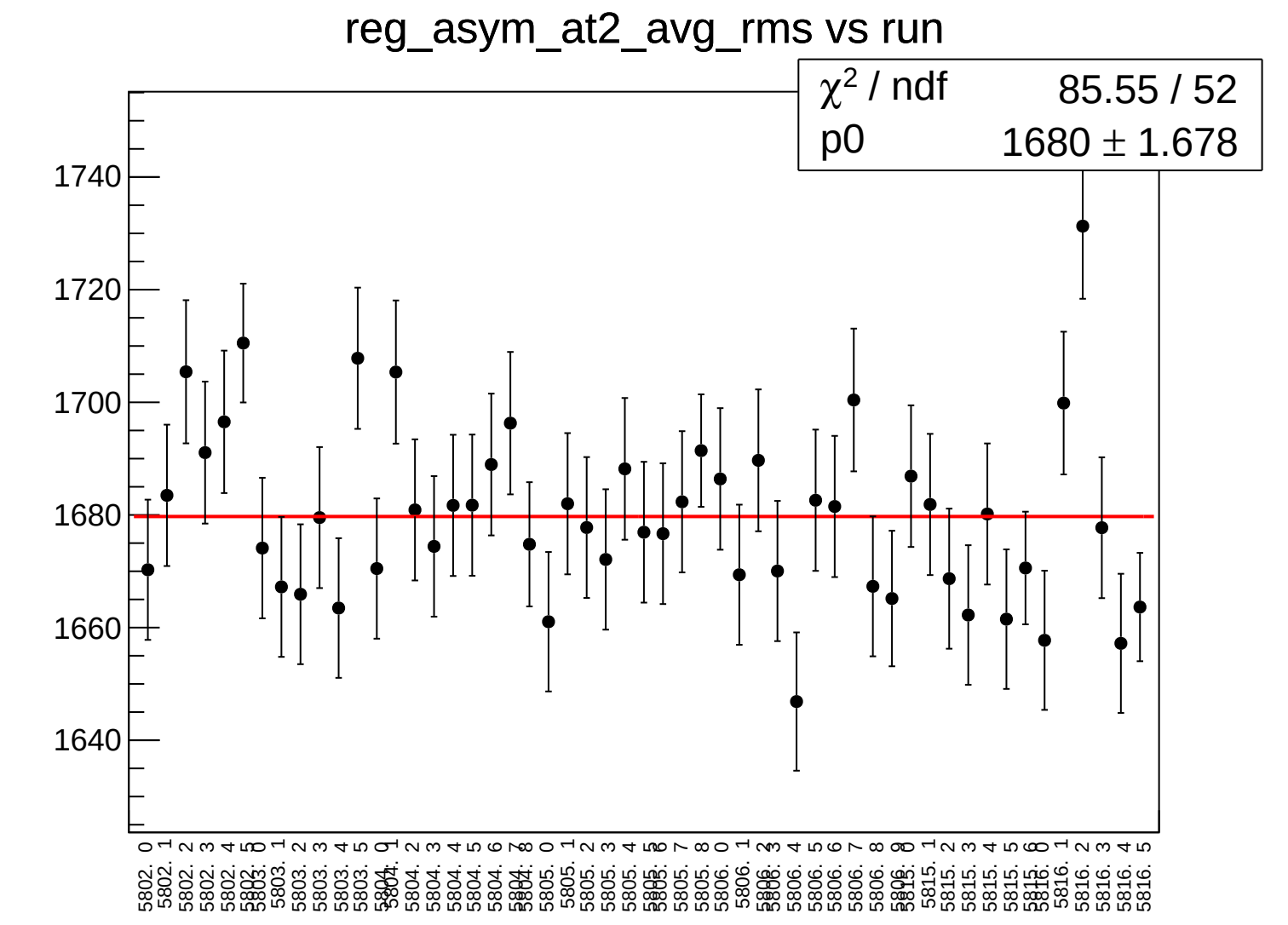

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.66 / 52
p0 4.202e−14 ± 6.332e−14
pull
Entries 53
Mean 29.22
Std Dev 12.95

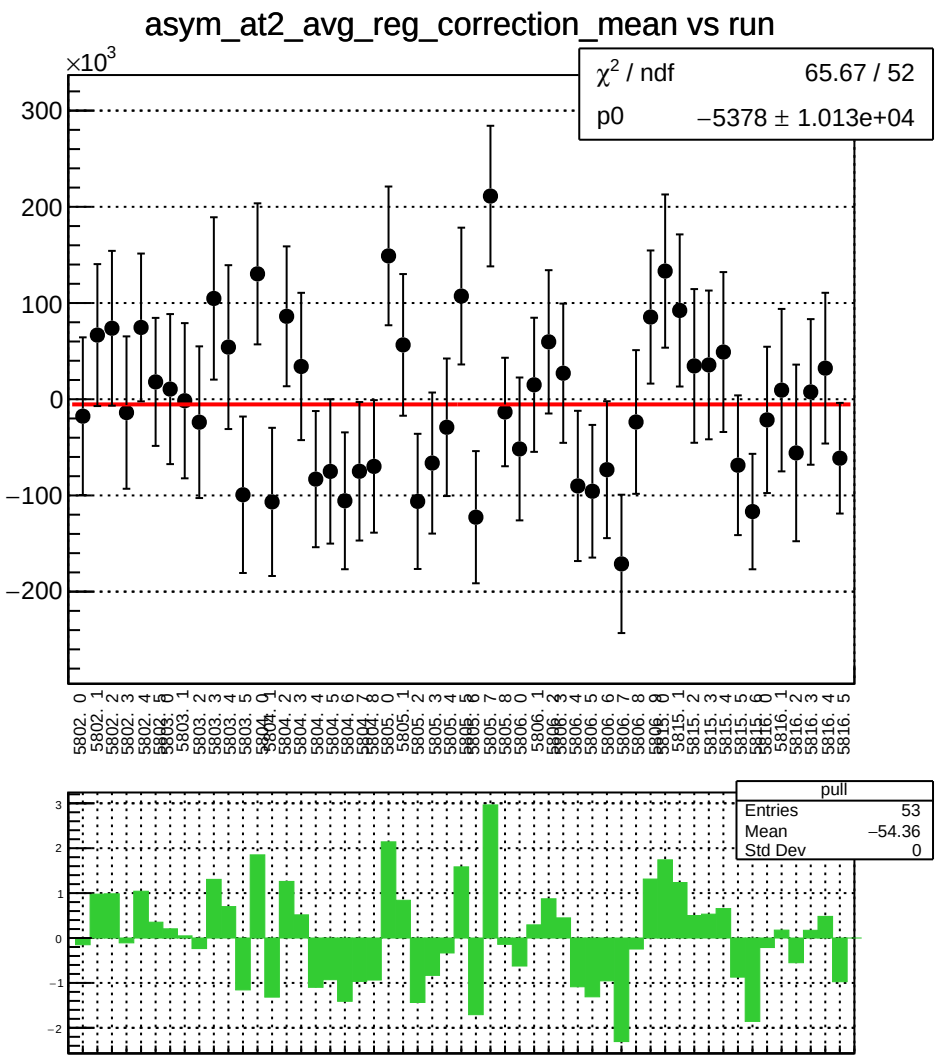

pull1D
Entries 53
Mean −0.05213
Std Dev 1.033

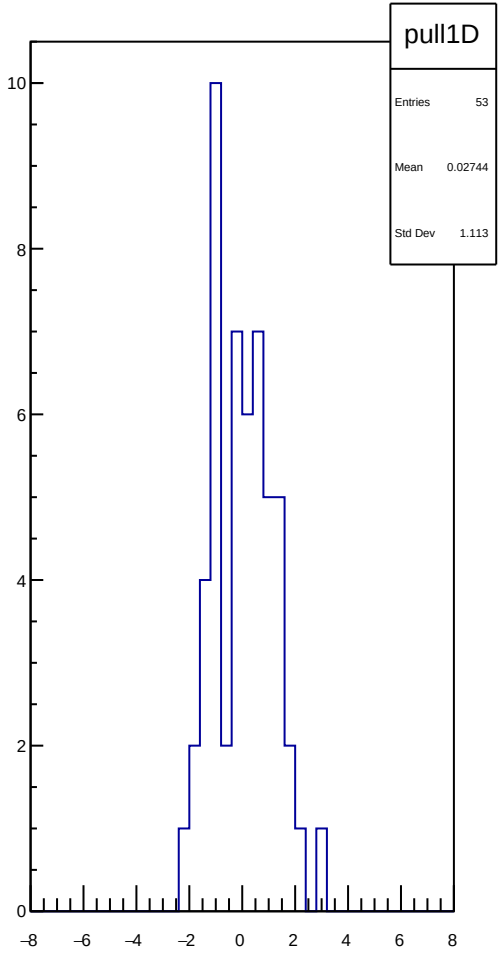

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.33e+05 / 52
p0 3.925e−11 ± 4.477e−14
0.25
0.2
0.15
0.1
0.05

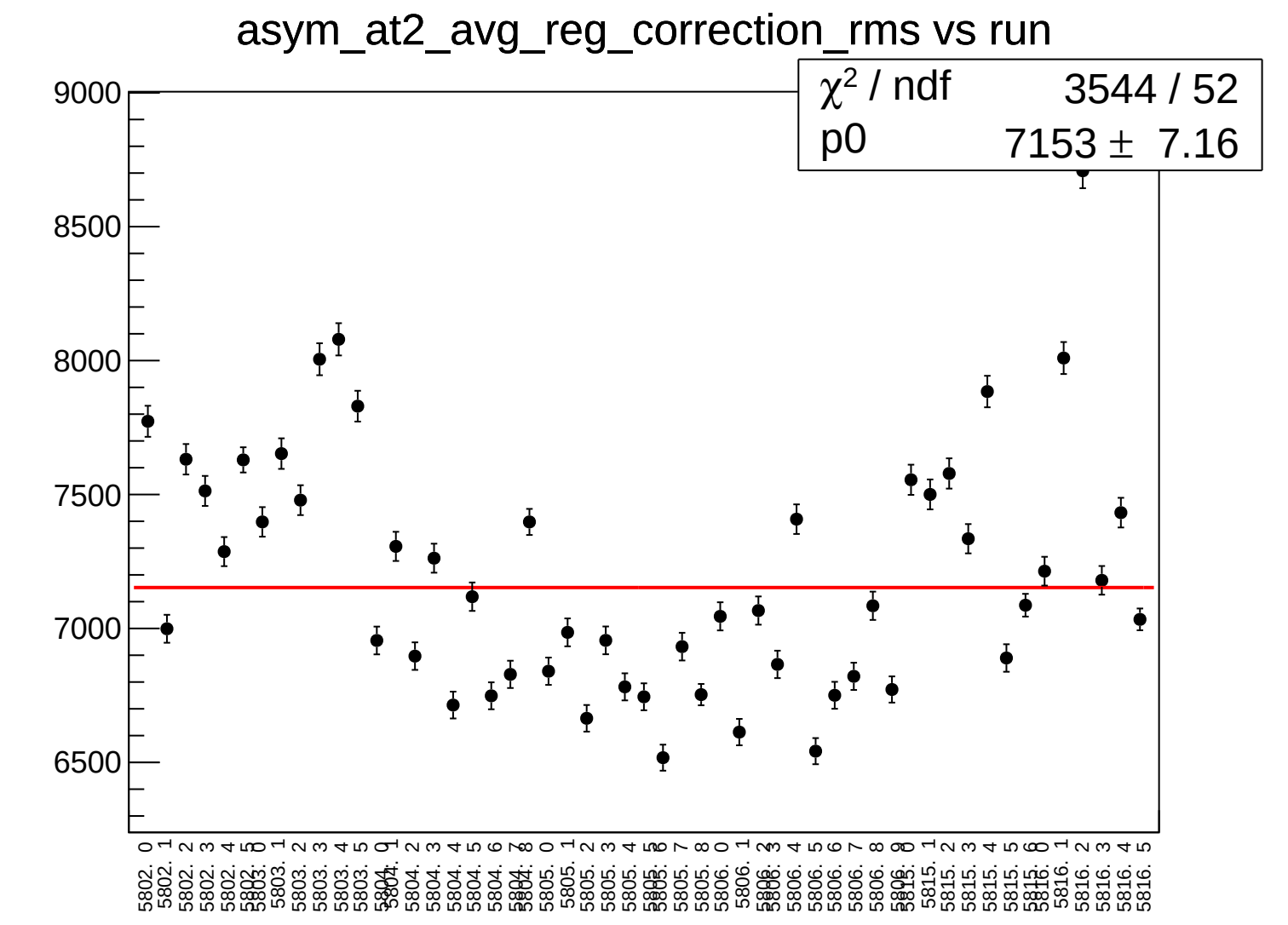

reg_asym_at2_avg_mean vs run
χ² / ndf 47.58 / 52
p0 3928 ± 2374
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −2.648
Std Dev 43.14
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

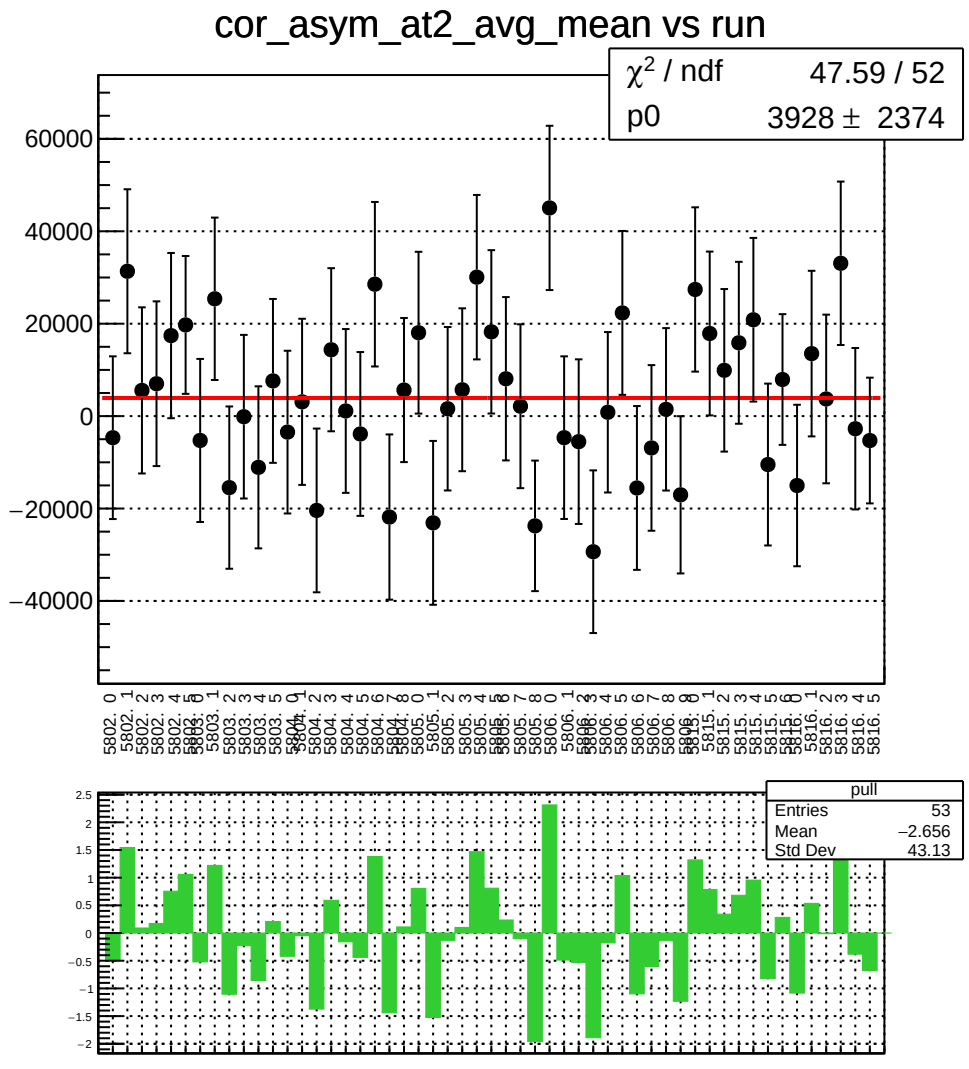

pull1D
Entries 53
Mean 0.009946
Std Dev 0.9475
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

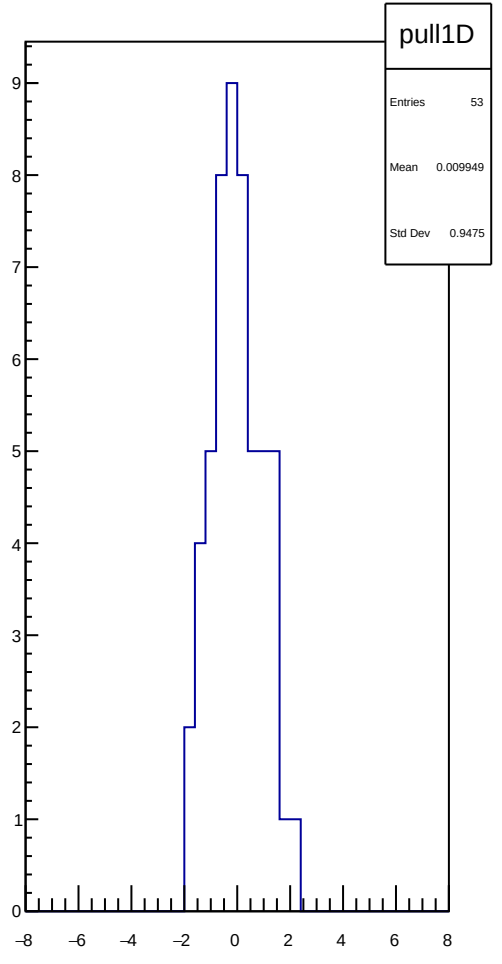

reg_asym_at2_avg_rms vs run
χ² / ndf 85.55 / 52
p0 1680 ± 1.678
1740
1720
1700
1680
1660
1640

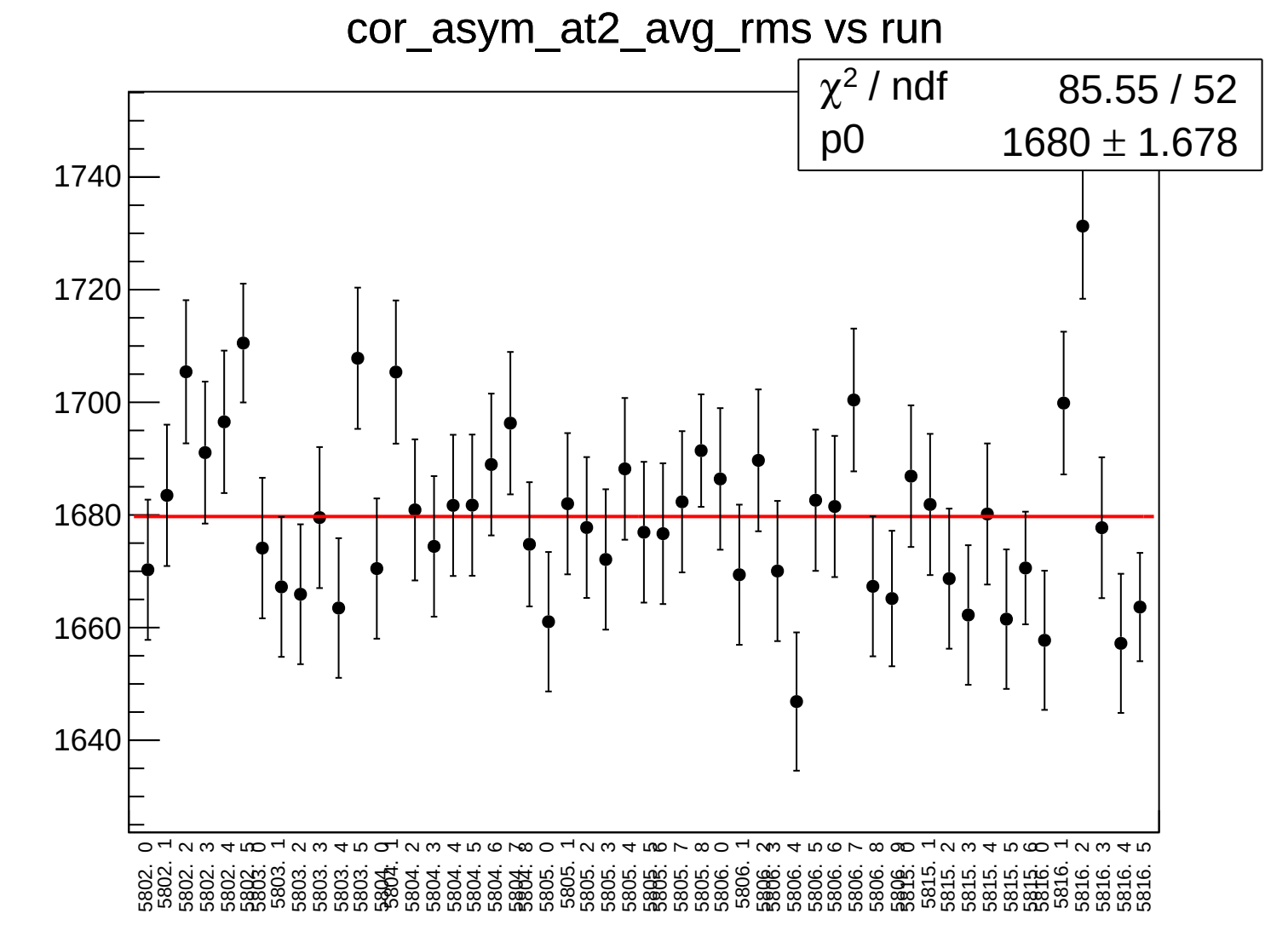

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.67 / 52
p0 −5378 ± 1.013e+04
300
200
100
0
−100
−200
pull
Entries 53
Mean −54.36
Std Dev 0
3
2
1
0
−1
−2

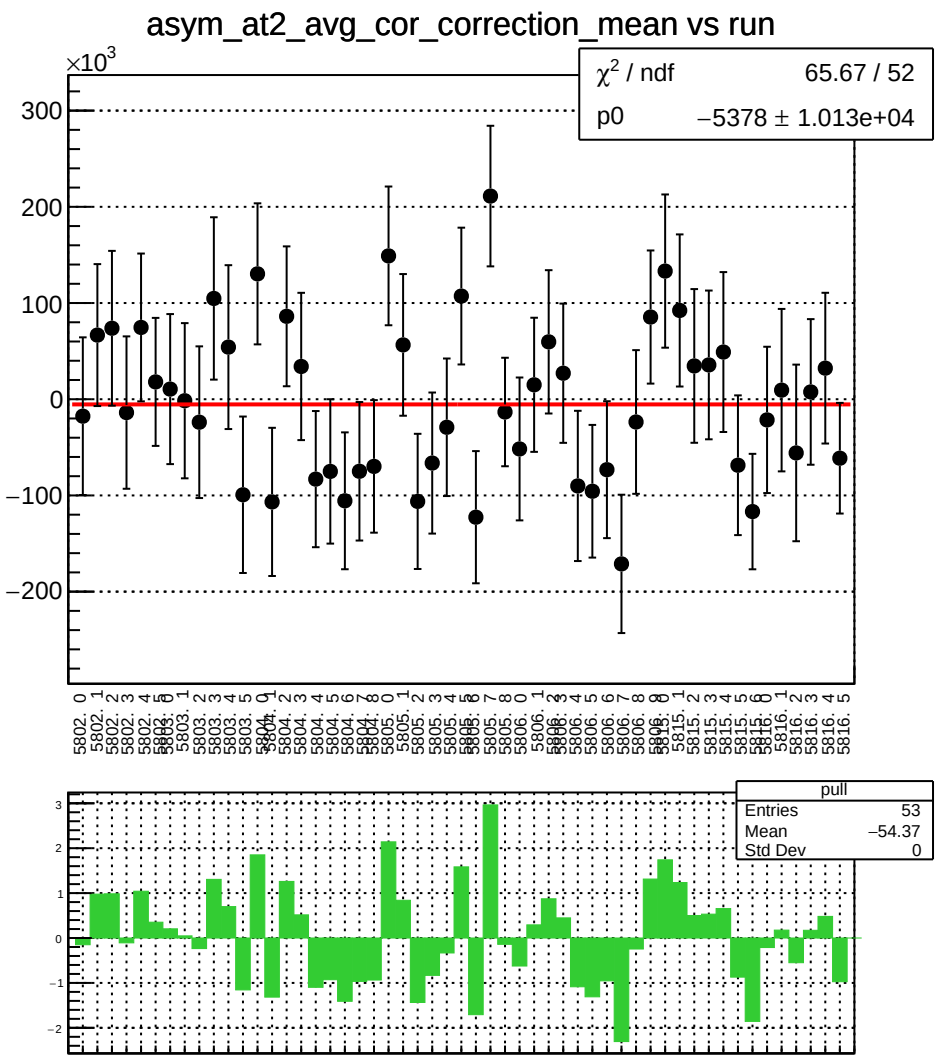

pull1D
Entries 53
Mean 0.02744
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

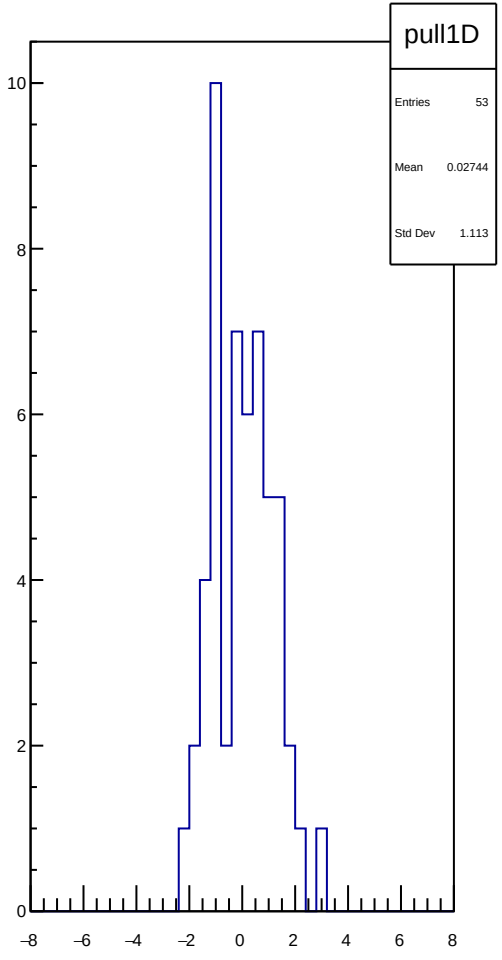

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 3544 / 52
p0 7153 ± 7.16
9000
8500
8000
7500
7000
6500

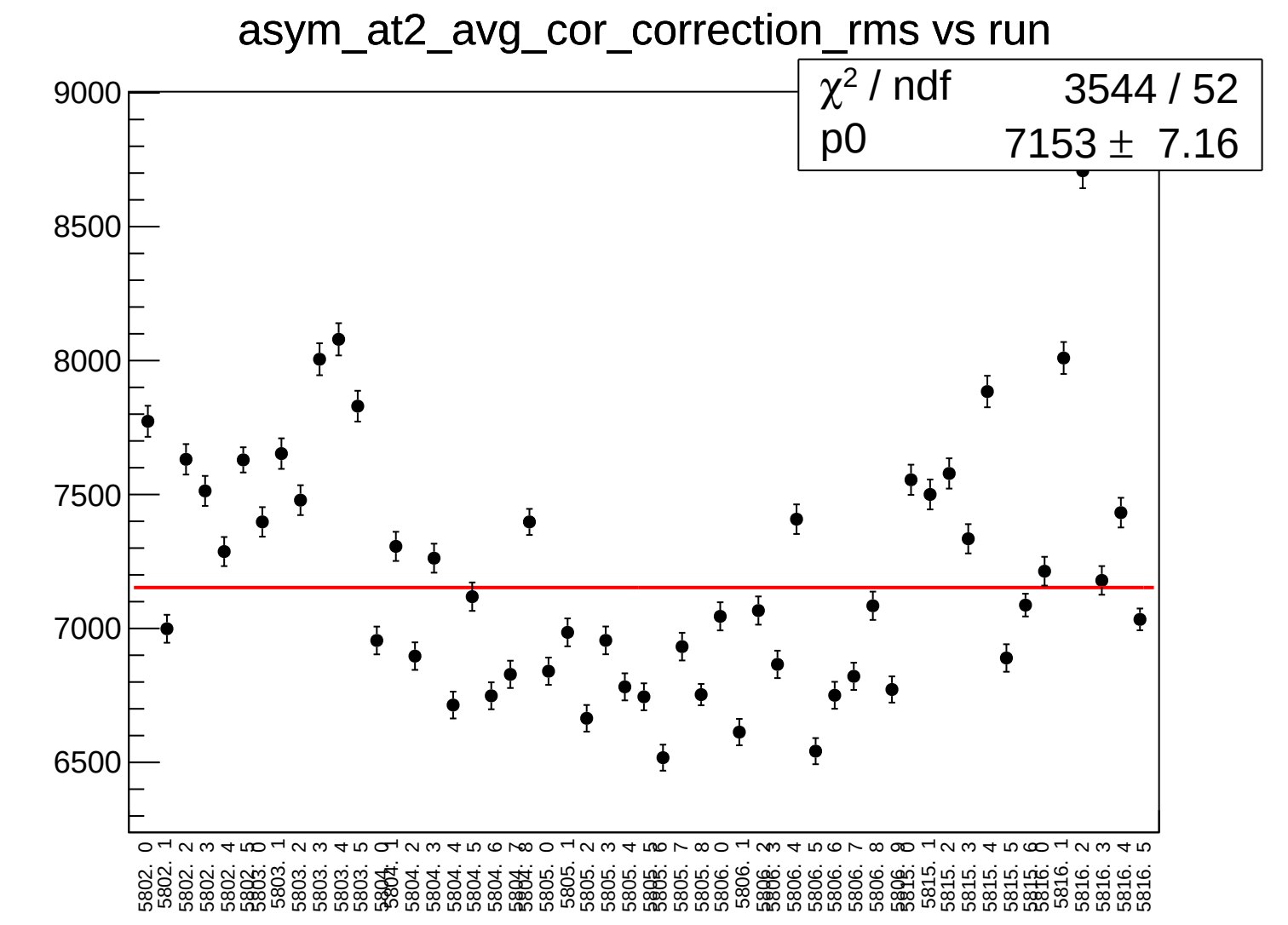

cor_asym_at2_avg_mean vs run
χ² / ndf 47.59 / 52
p0 3928 ± 2374
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −2.656
Std Dev 43.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

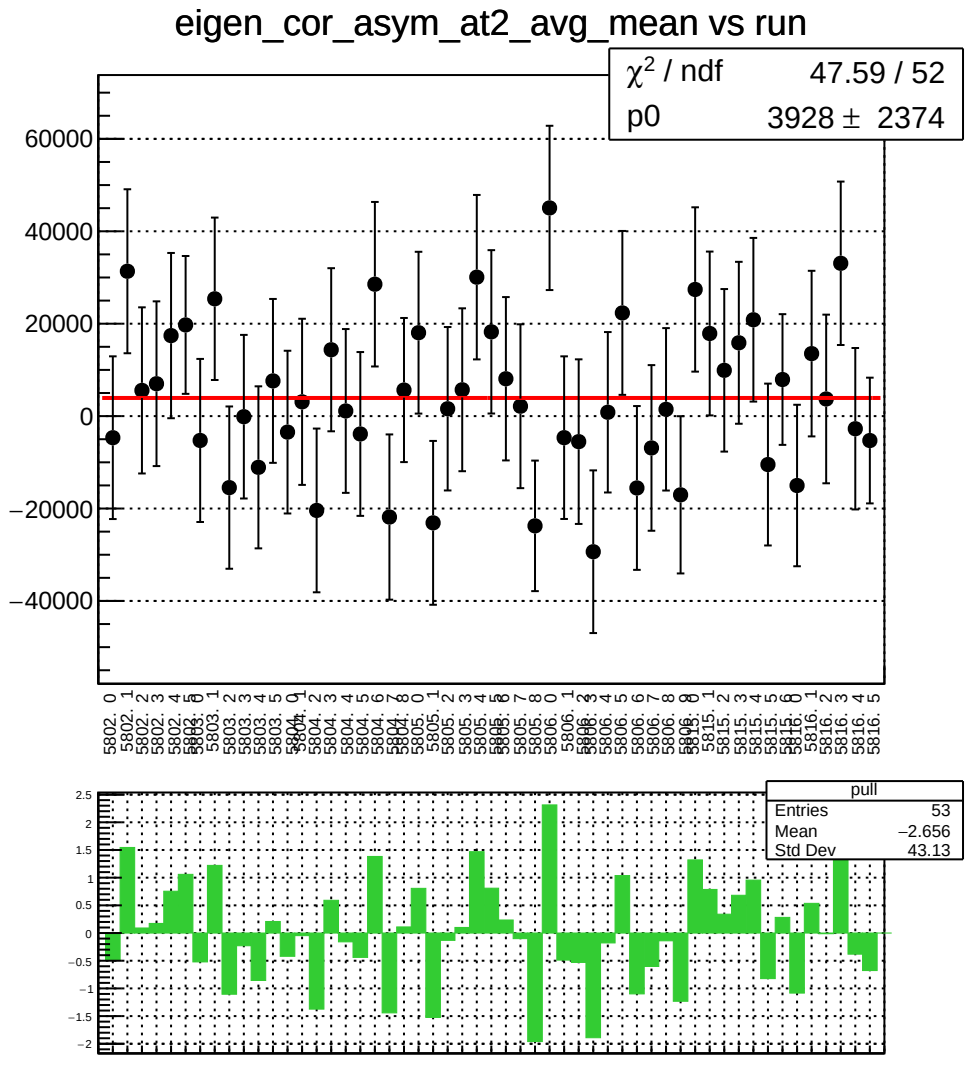

pull1D
Entries 53
Mean 0.009949
Std Dev 0.9475
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

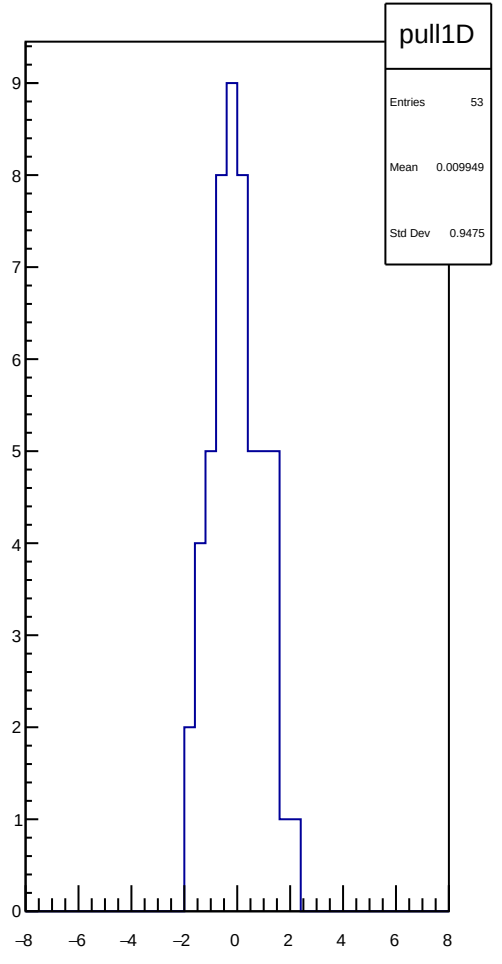

cor_asym_at2_avg_rms vs run
χ² / ndf 85.55 / 52
p0 1680 ± 1.678
1740
1720
1700
1680
1660
1640

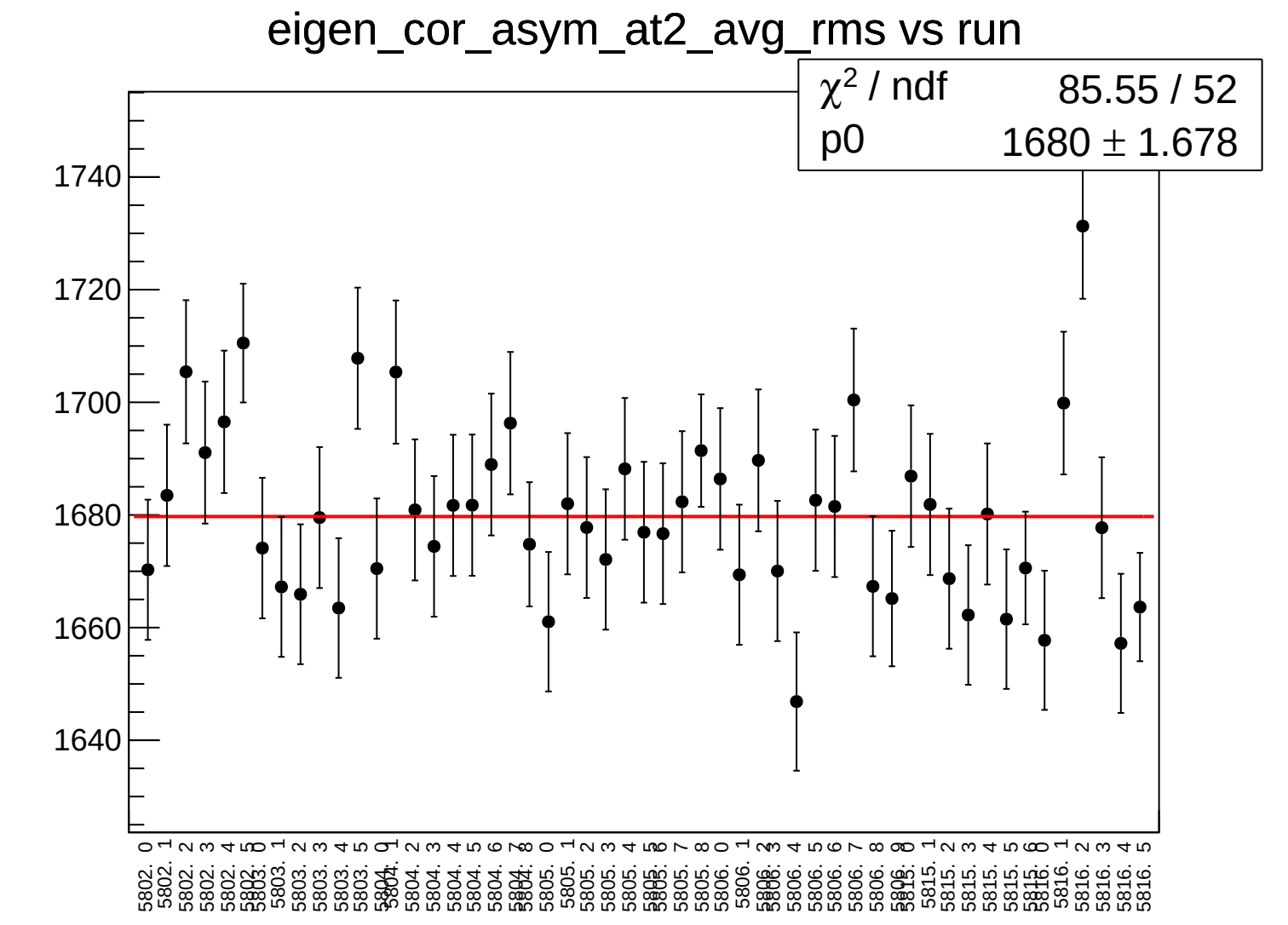

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.67 / 52
p0 −5378 ± 1.013e+04
300
200
100
0
−100
−200
pull
Entries 53
Mean −54.37
Std Dev 0
3
2
1
0
−1
−2

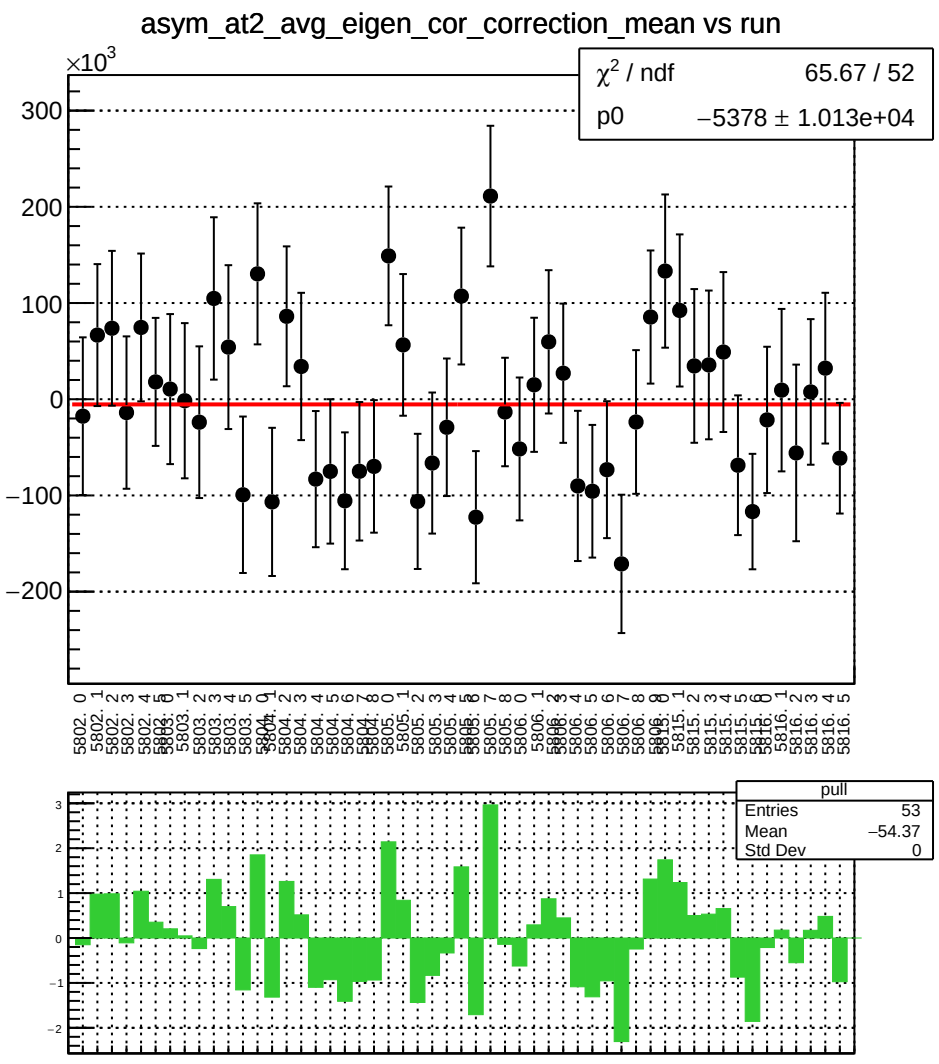

pull1D
Entries 53
Mean 0.02744
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

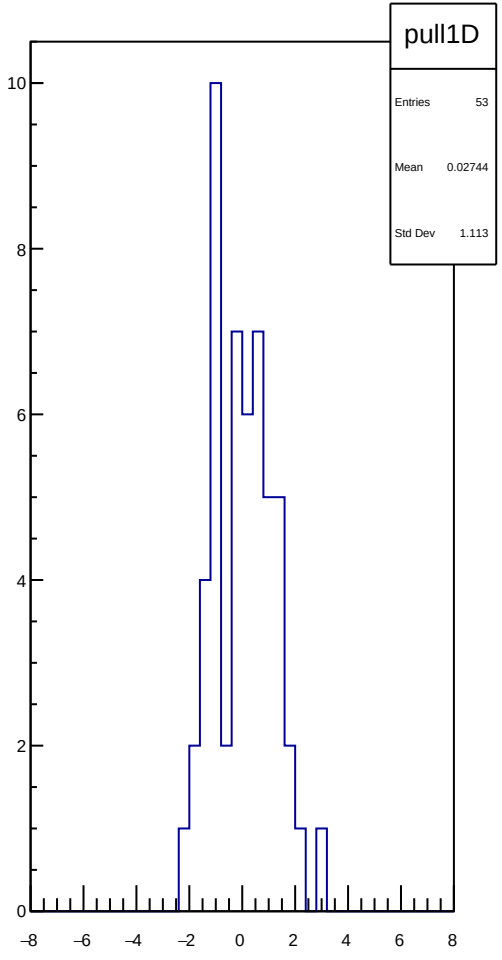

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 3544 / 52
p0 7153 ± 7.16
9000
8500
8000
7500
7000
6500

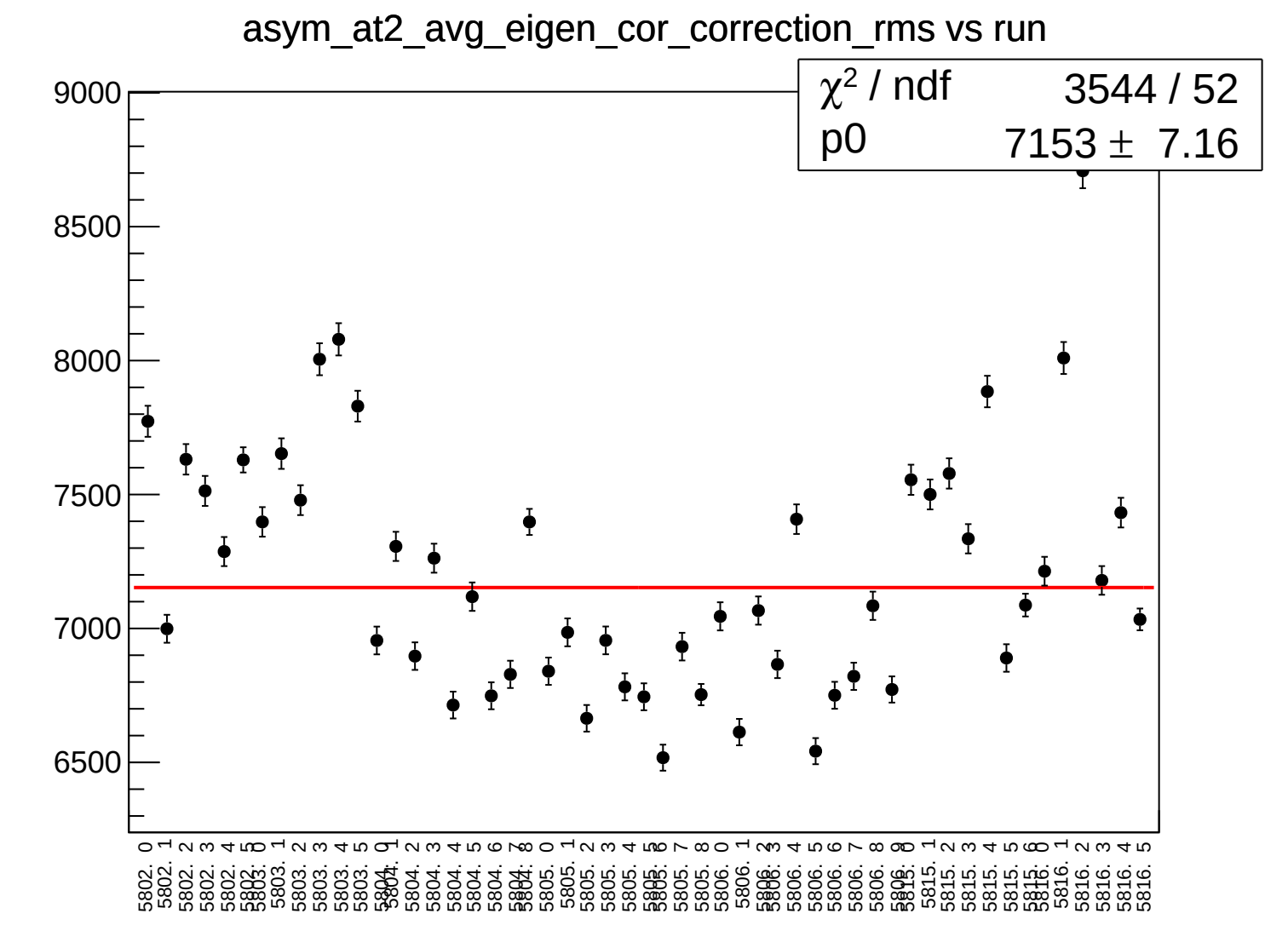

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 47.59 / 52
p0 3928 ± 2374
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −2.656
Std Dev 43.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

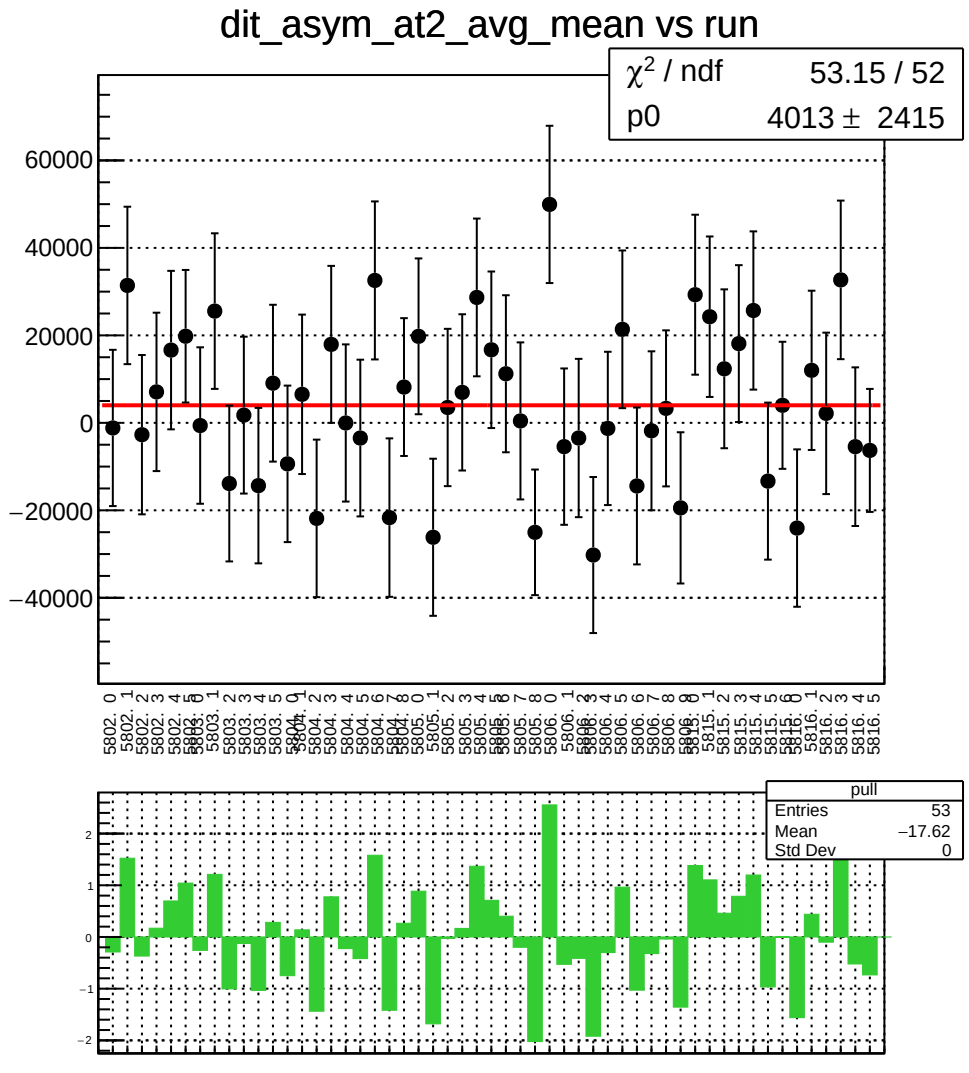

pull1D
Entries 53
Mean 0.009949
Std Dev 0.9475
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

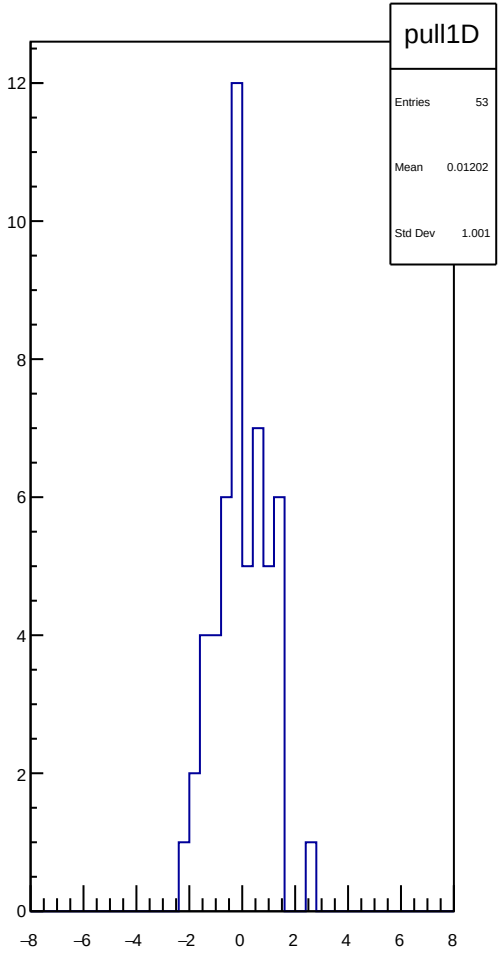

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 85.55 / 52
p0 1680 ± 1.678
1740
1720
1700
1680
1660
1640
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

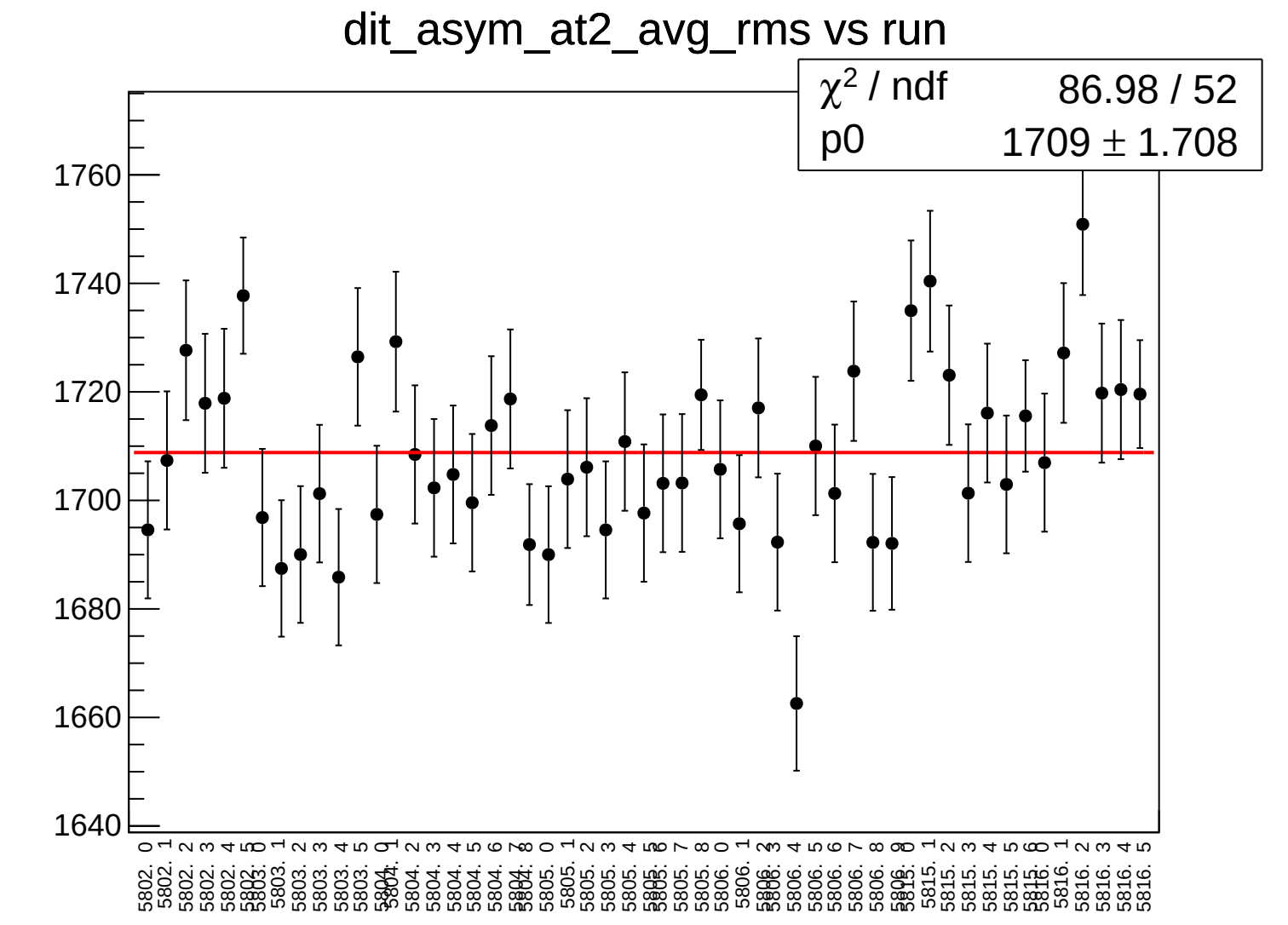

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.67 / 52
p0 −5378 ± 1.013e+04
300
200
100
0
−100
−200
pull
Entries 53
Mean −54.37
Std Dev 0
3
2
1
0
−1
−2

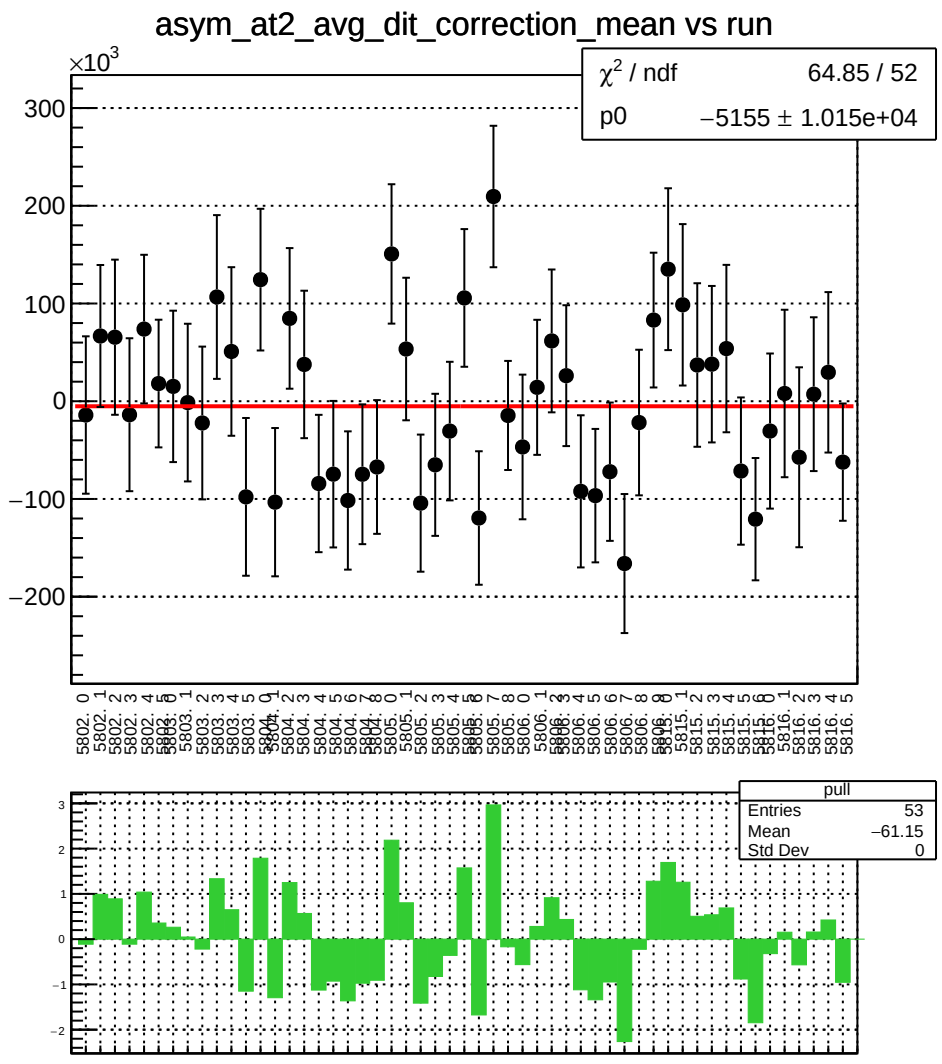

pull1D
Entries 53
Mean 0.02744
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

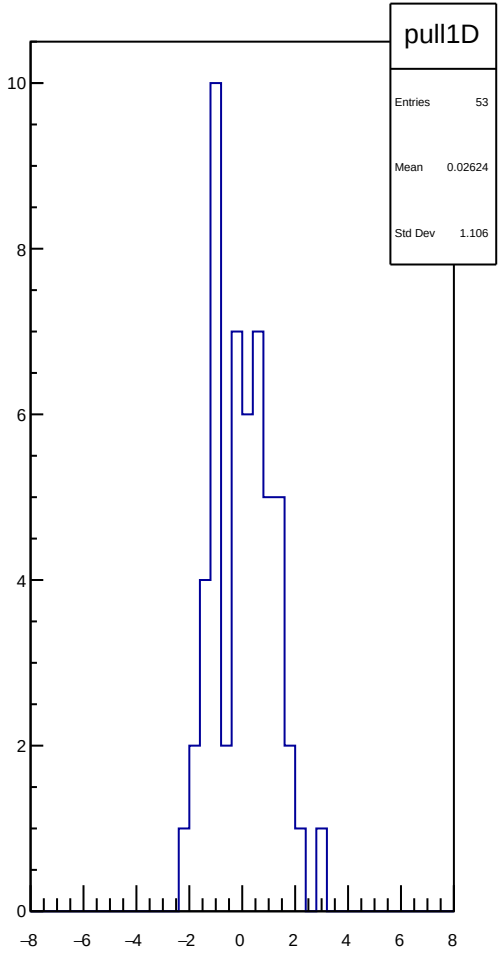

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3544 / 52
p0 7153 ± 7.16
9000
8500
8000
7500
7000
6500

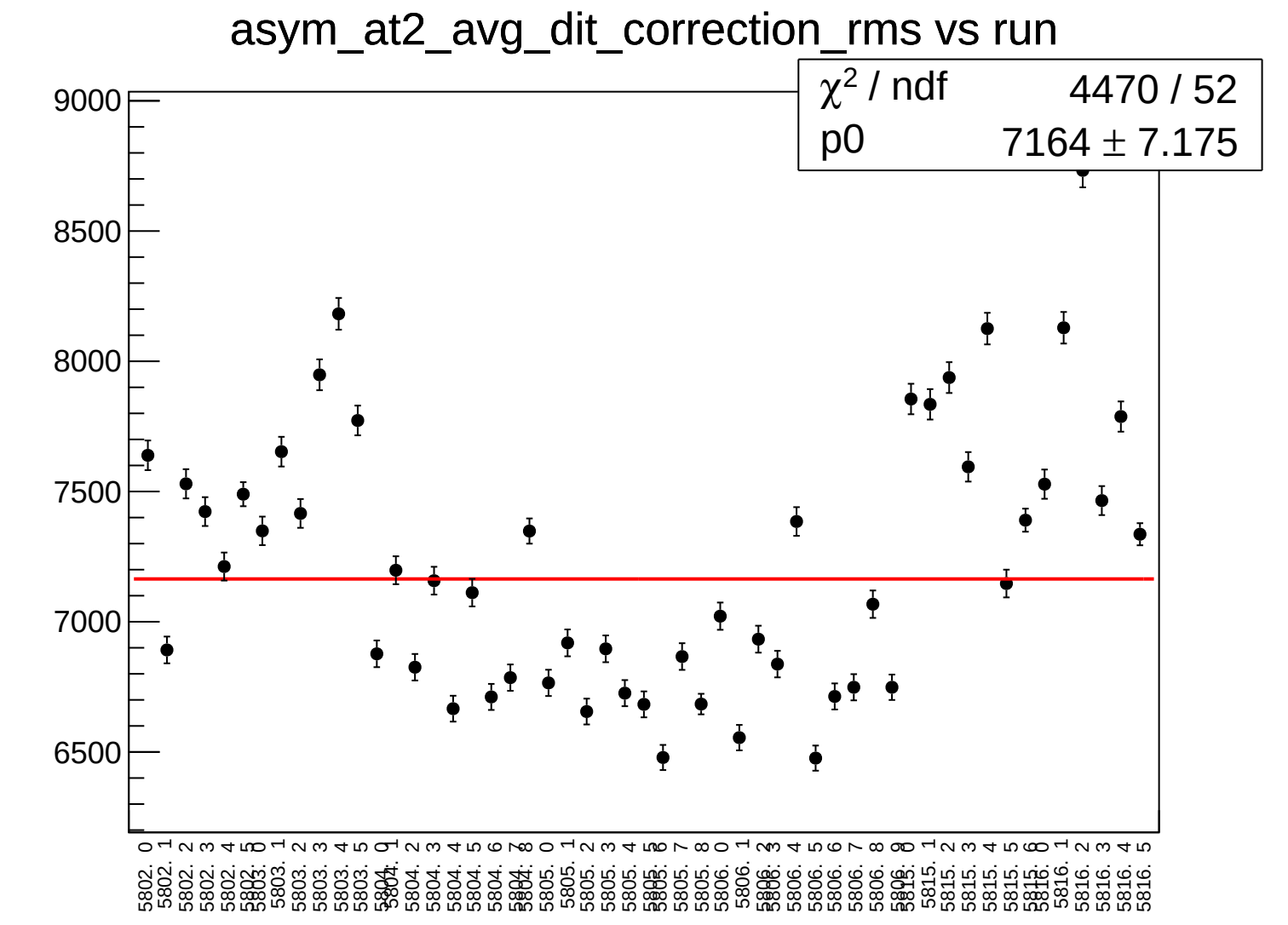

dit_asym_at2_avg_mean vs run
χ² / ndf 53.15 / 52
p0 4013 ± 2415
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −17.62
Std Dev 0
2
1
0
−1
−2

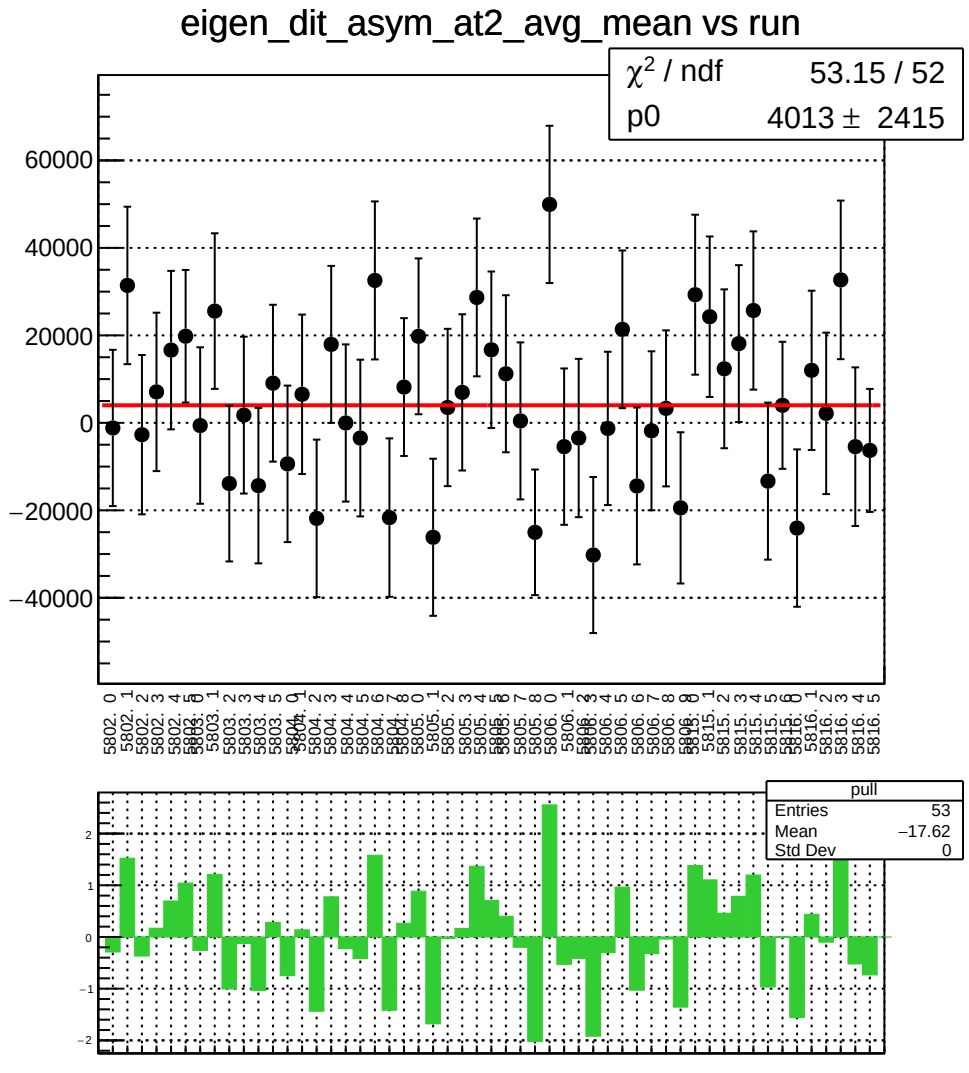

pull1D
Entries 53
Mean 0.01202
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

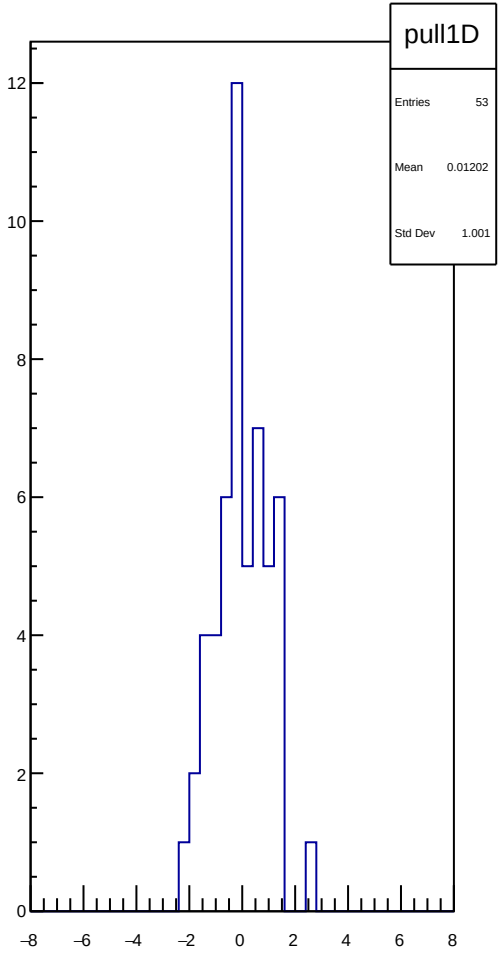

dit_asym_at2_avg_rms vs run
χ² / ndf 86.98 / 52
p0 1709 ± 1.708
1760
1740
1720
1700
1680
1660
1640

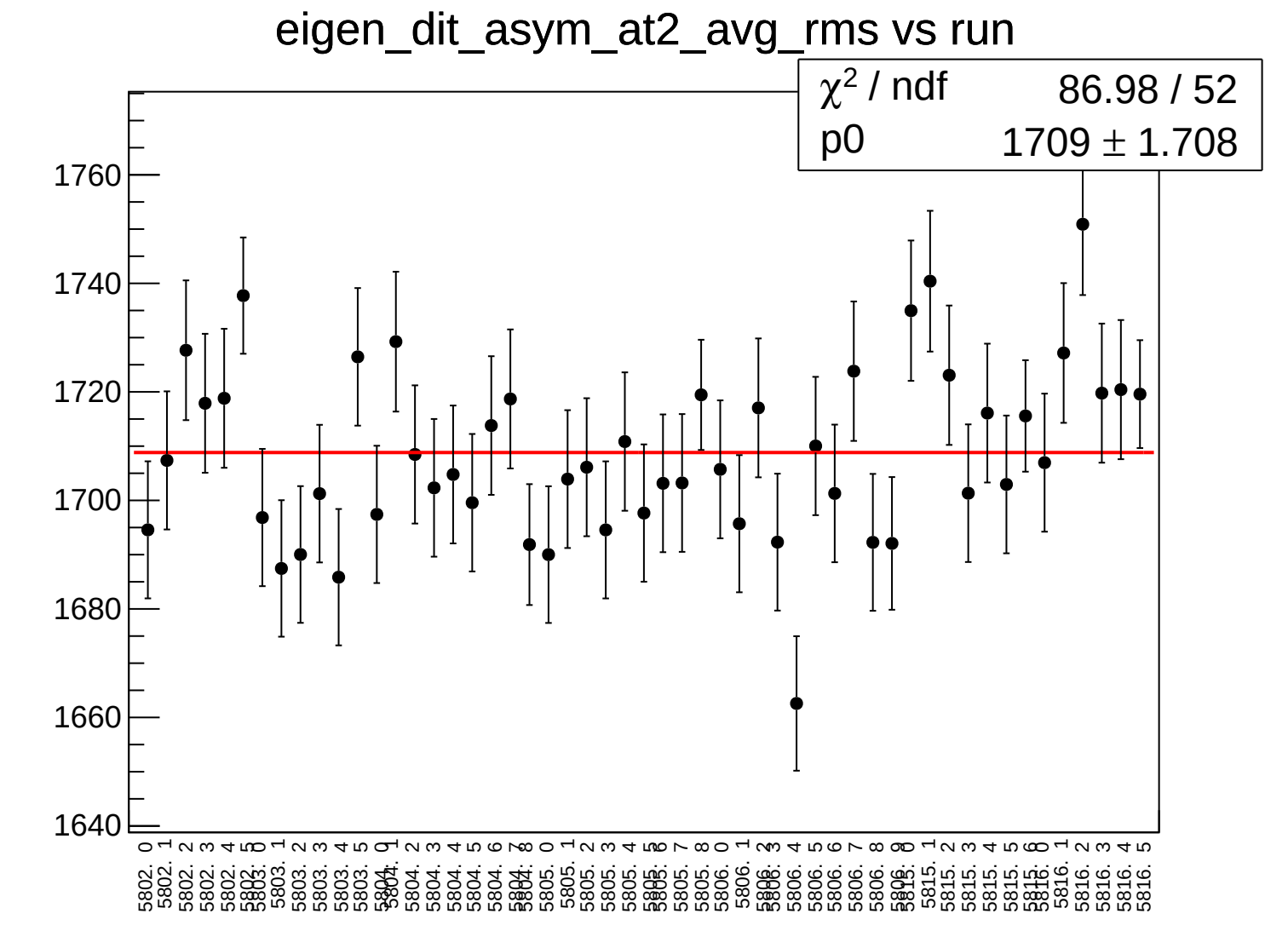

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 64.85 / 52
p0 −5155 ± 1.015e+04
300
200
100
0
−100
−200
pull
Entries 53
Mean −61.15
Std Dev 0
3
2
1
0
−1
−2

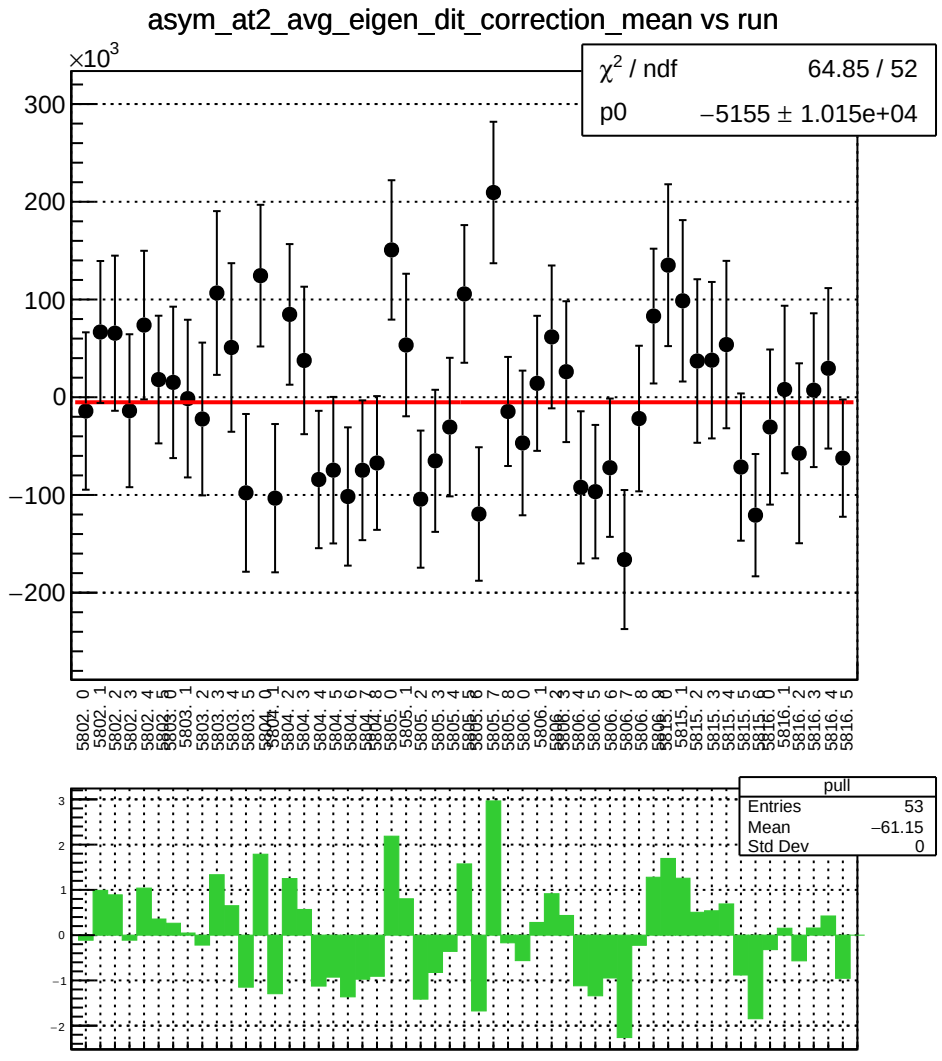

pull1D
Entries 53
Mean 0.02624
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

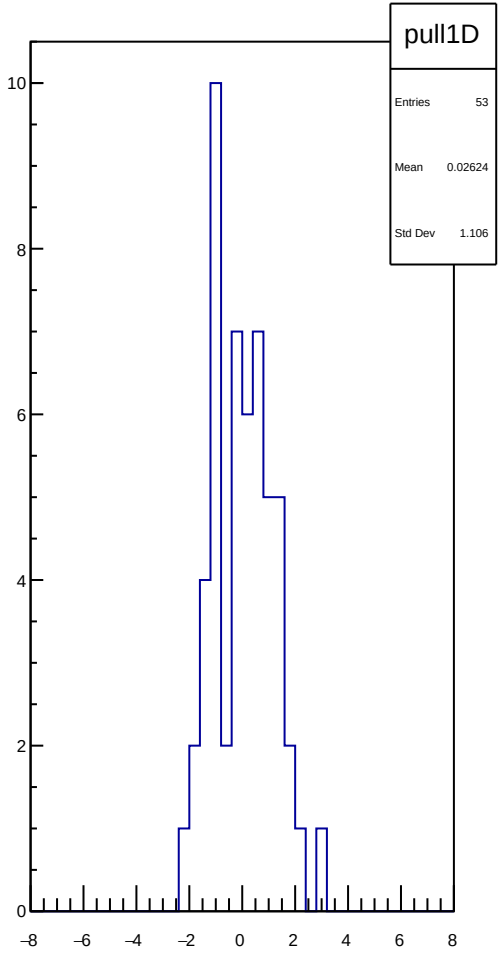

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 4470 / 52
p0 7164 ± 7.175
9000
8500
8000
7500
7000
6500

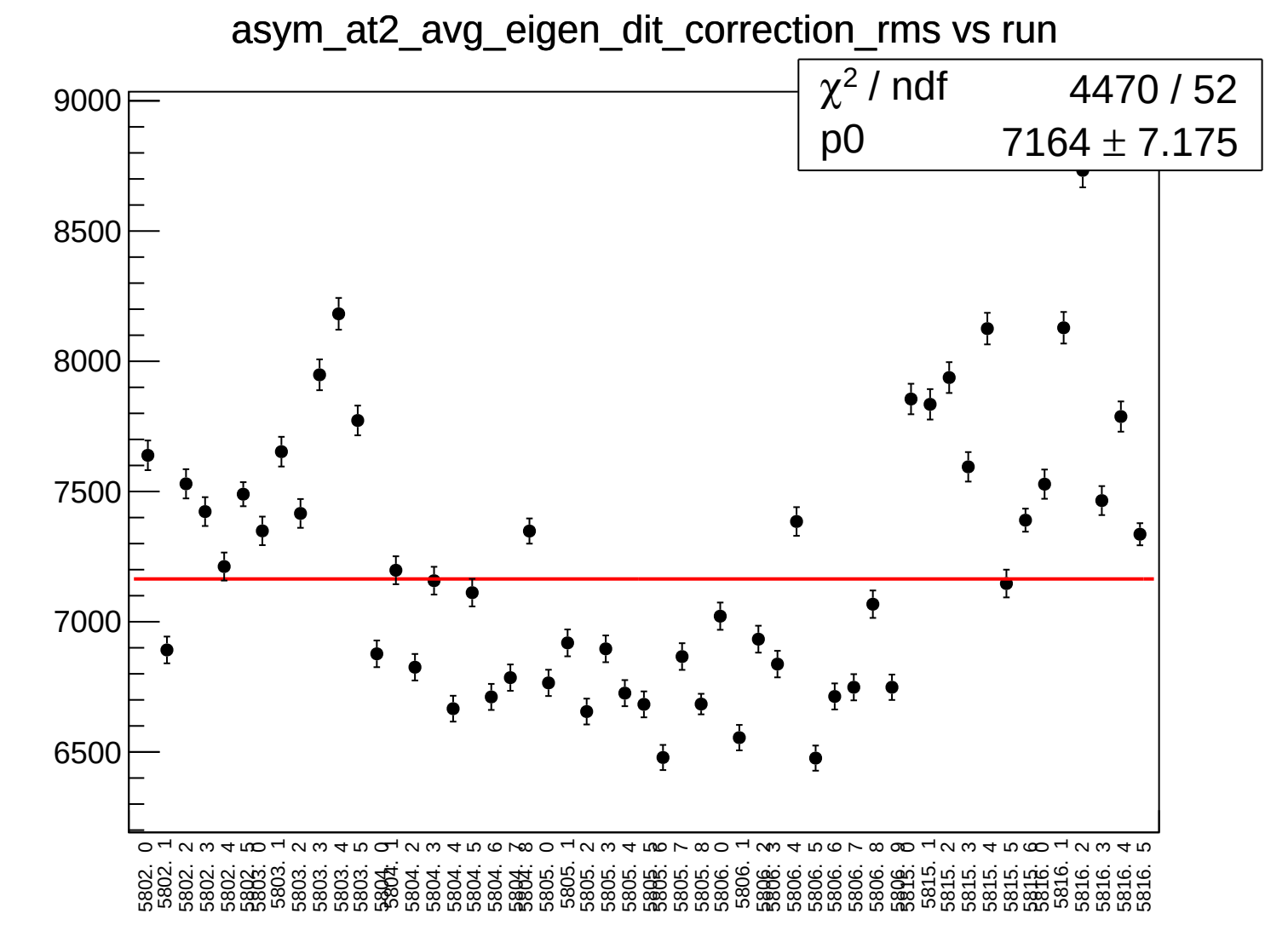

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 53.15 / 52
p0 4013 ± 2415
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −17.62
Std Dev 0
2
1
0
−1
−2

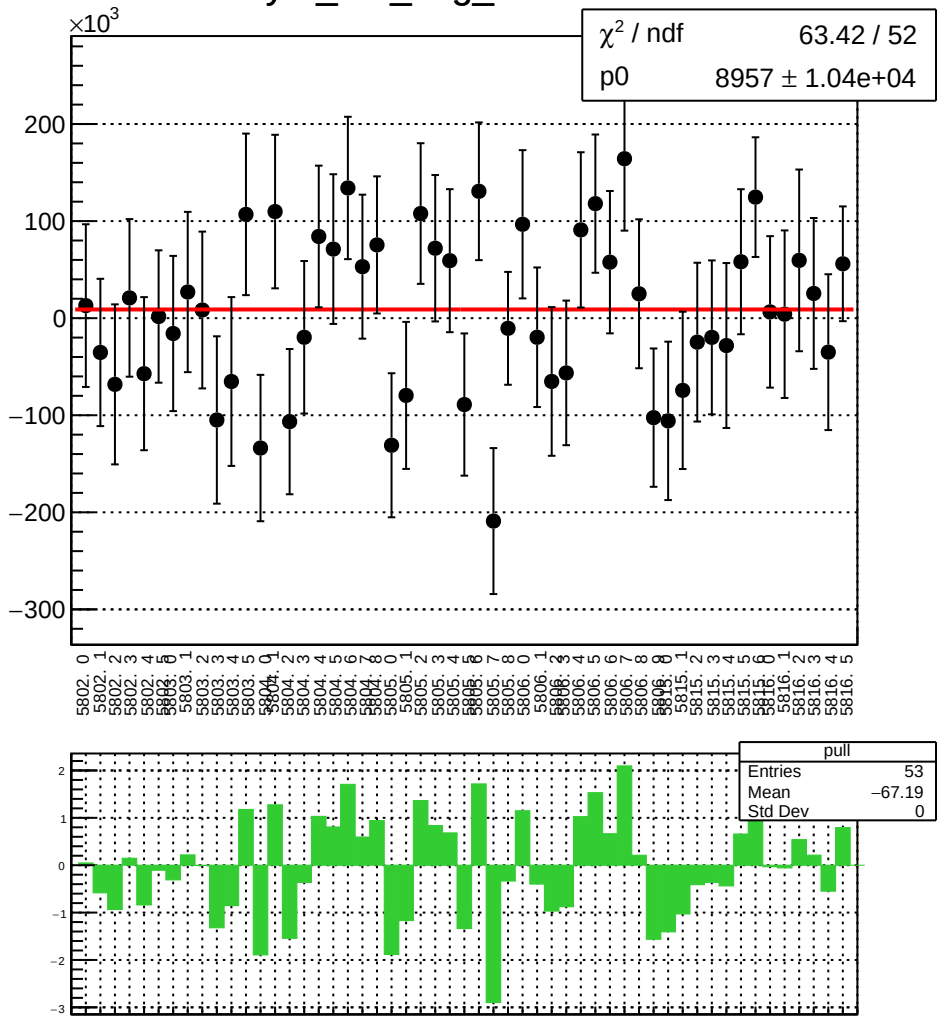

pull1D
Entries 53
Mean 0.01202
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

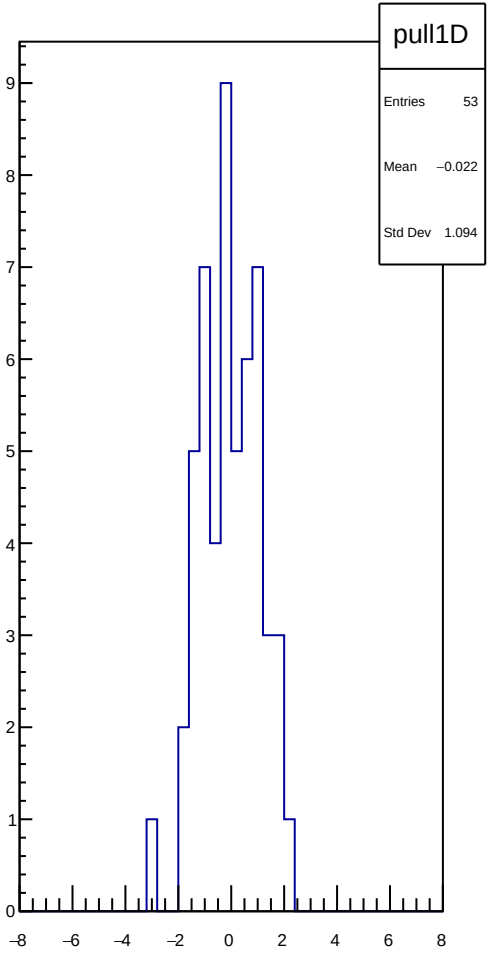

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 86.98 / 52
p0 1709 ± 1.708
1760
1740
1720
1700
1680
1660
1640

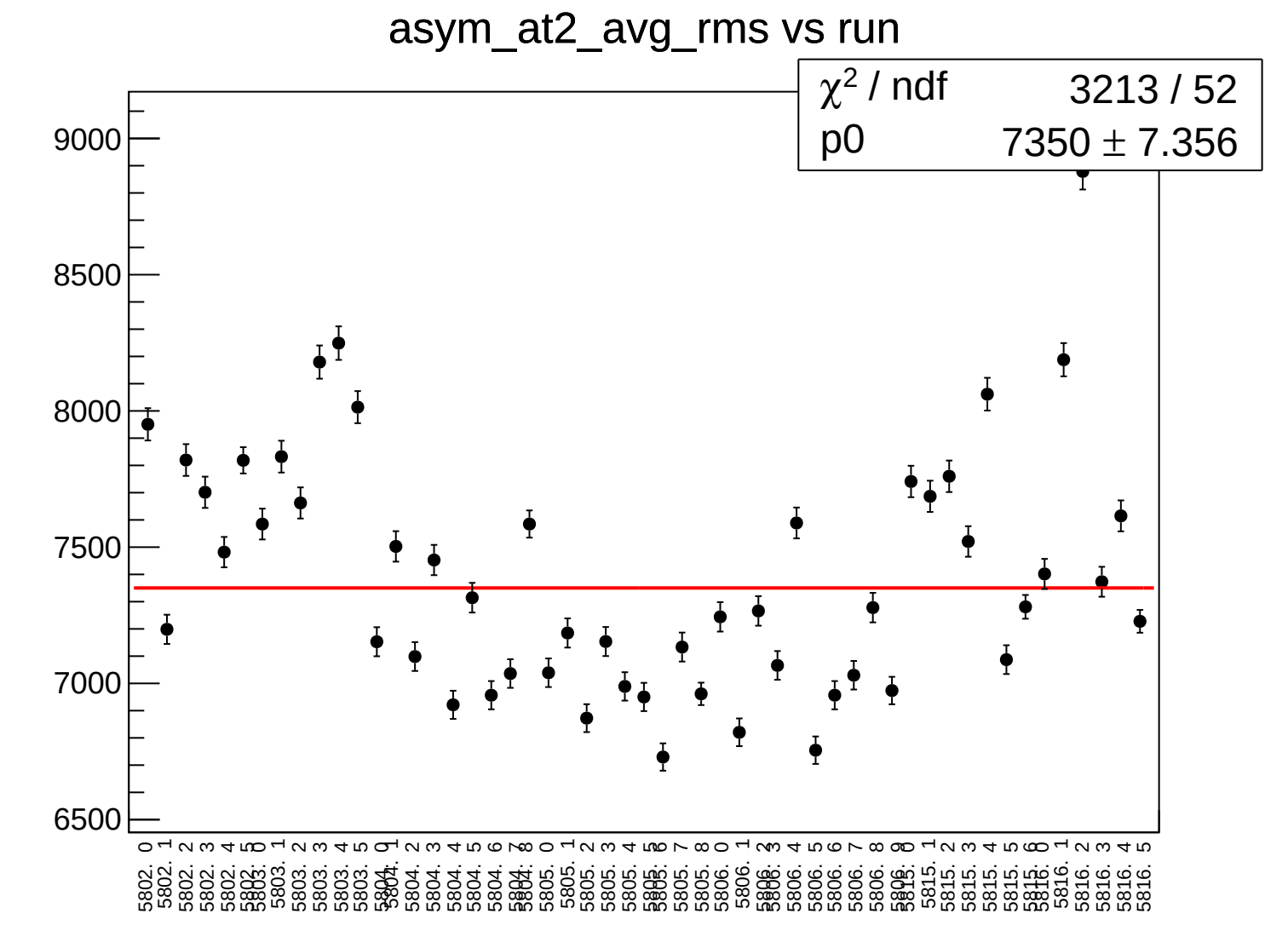

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.85 / 52
p0 −5155 ± 1.015e+04
pull
Entries 53
Mean −61.15
Std Dev 0

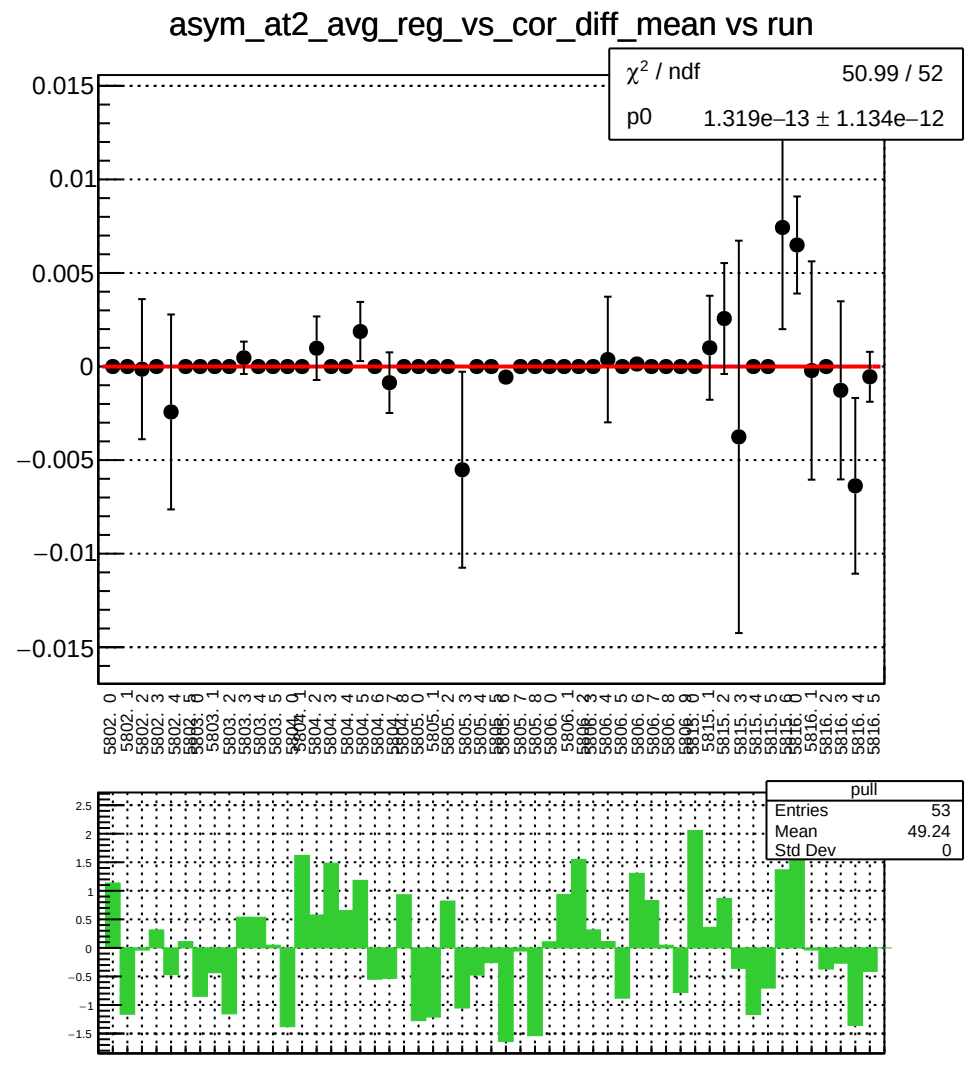

pull1D
Entries 53
Mean 0.02624
Std Dev 1.106

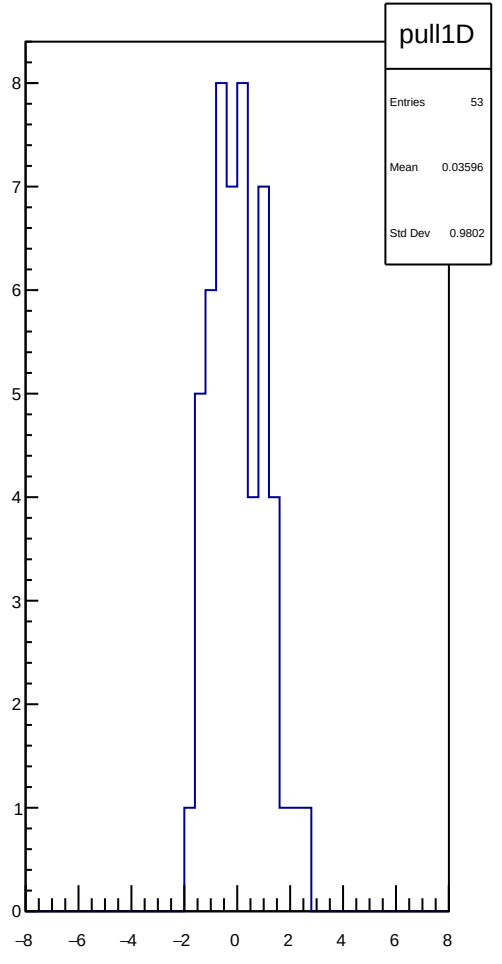

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4470 / 52
p0 7164 ± 7.175
9000
8500
8000
7500
7000
6500

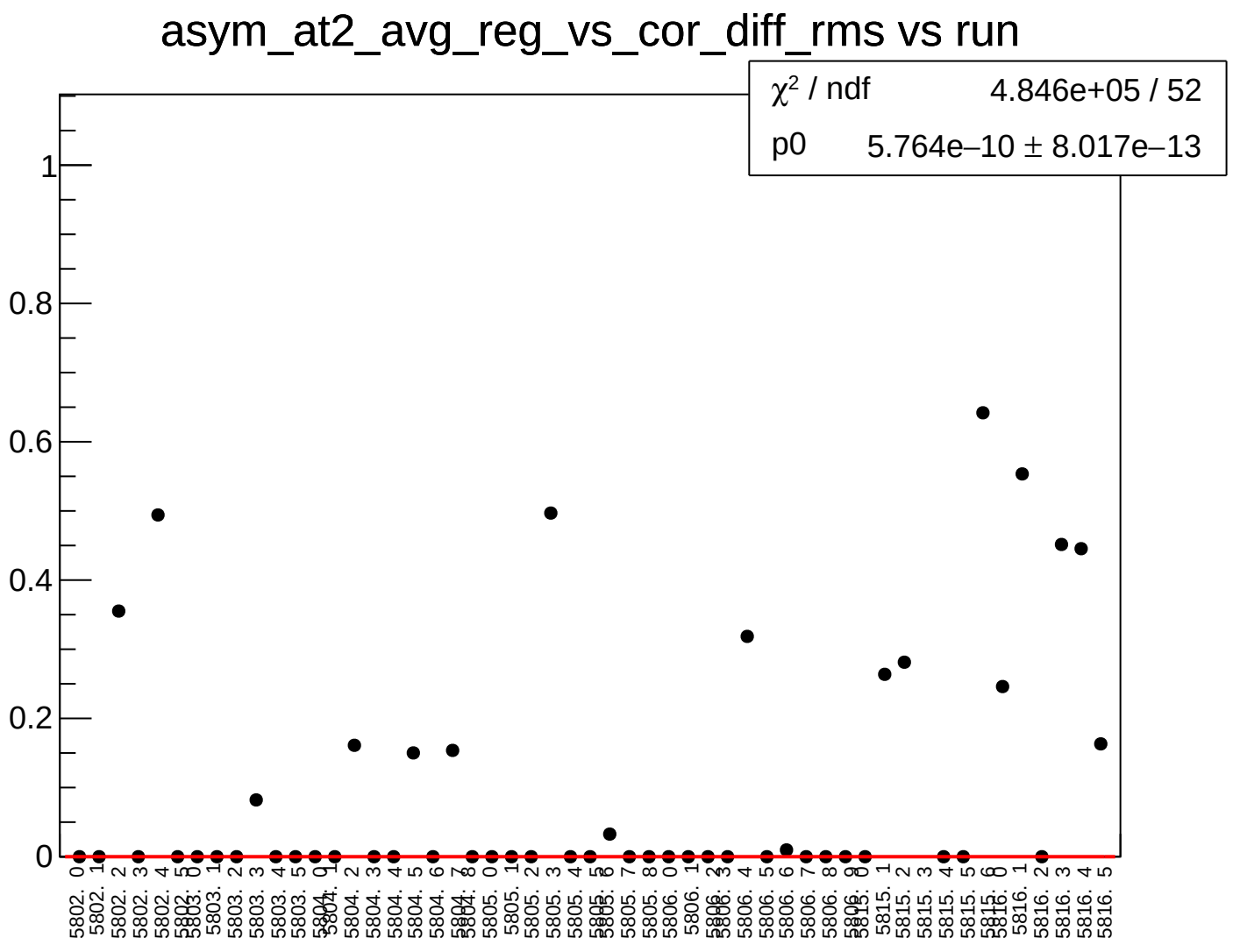

asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.42 / 52
p0 8957 ± 1.04e+04
200
100
0
−100
−200
−300
pull
Entries 53
Mean −67.19
Std Dev 0
2
1
0
−1
−2
−3

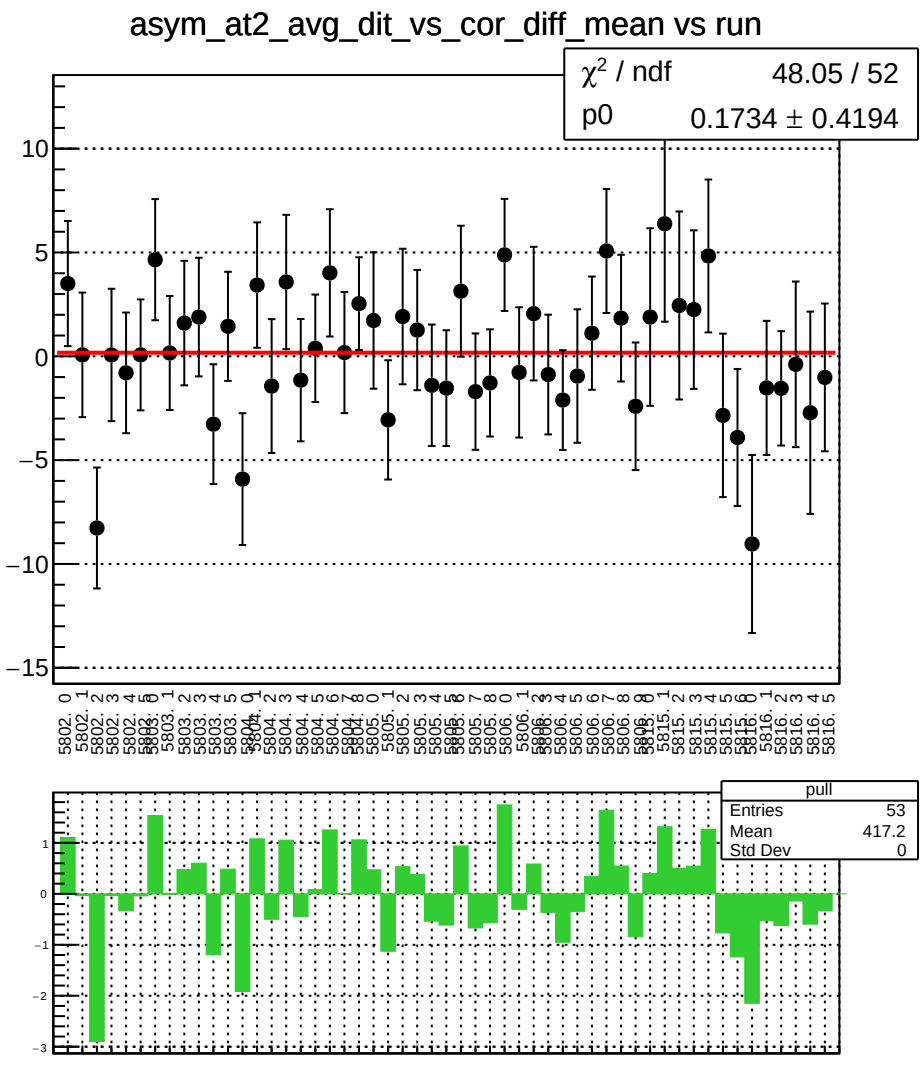

pull1D
Entries 53
Mean −0.022
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

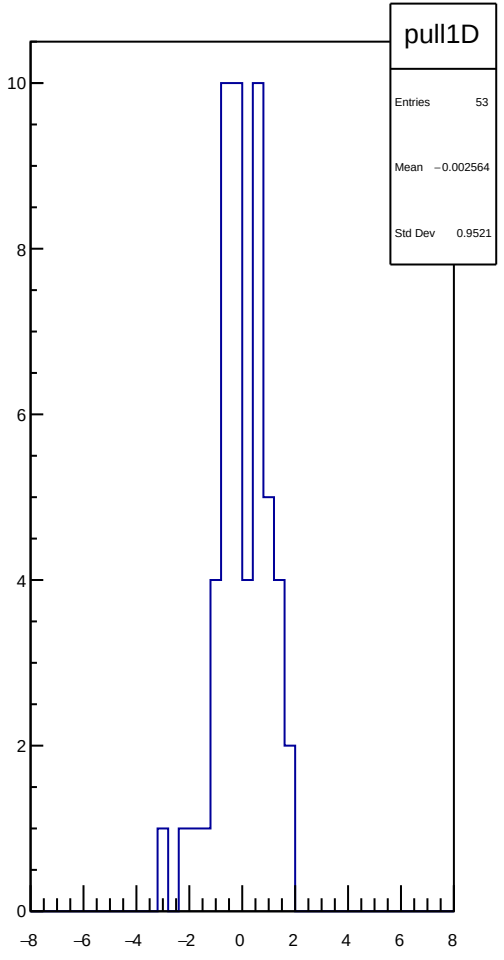

asym_at2_avg_rms vs run
χ^2 / ndf 3213 / 52
p0 7350 ± 7.356
9000
8500
8000
7500
7000
6500

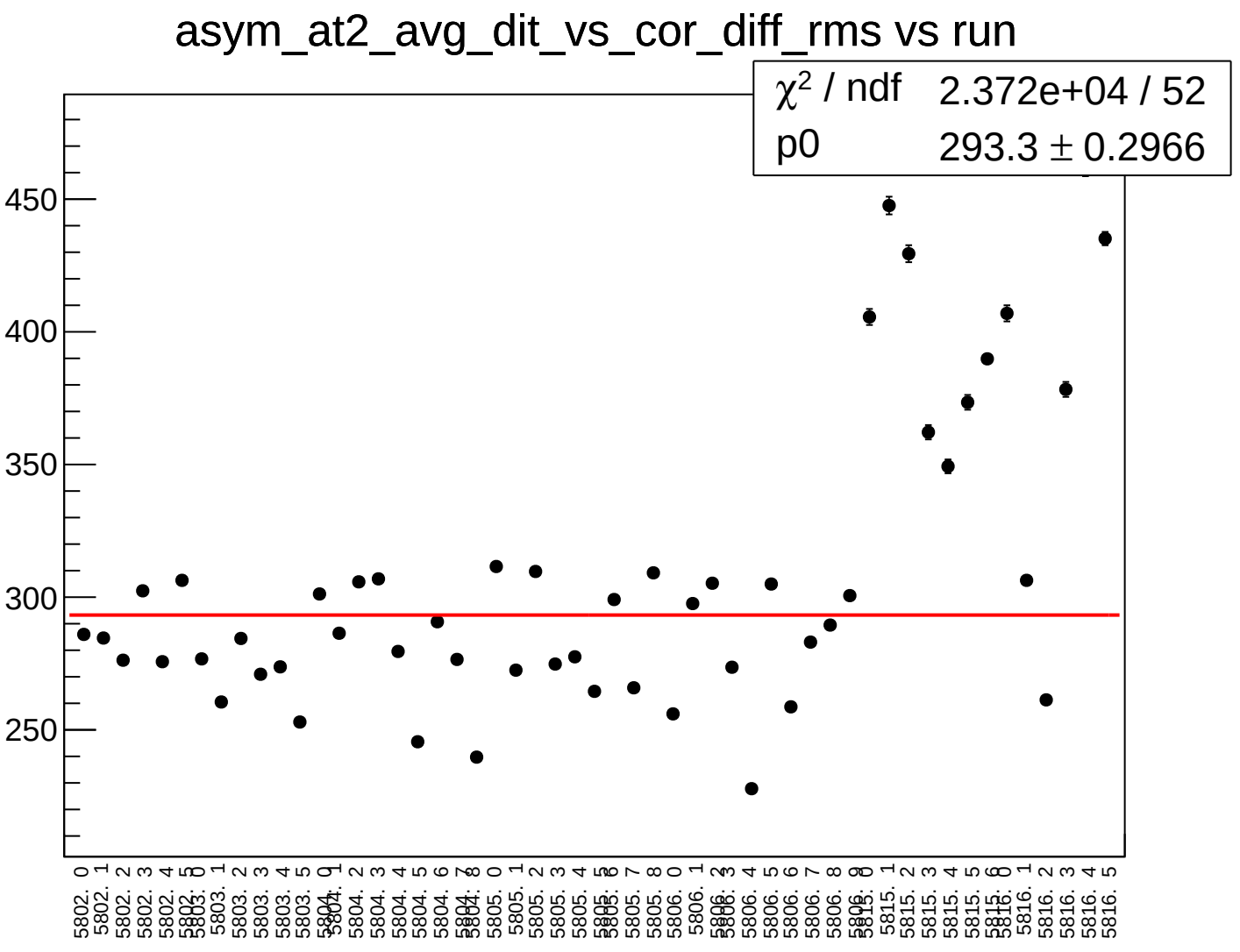

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.99 / 52
p0 1.319e−13 ± 1.134e−12
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 49.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

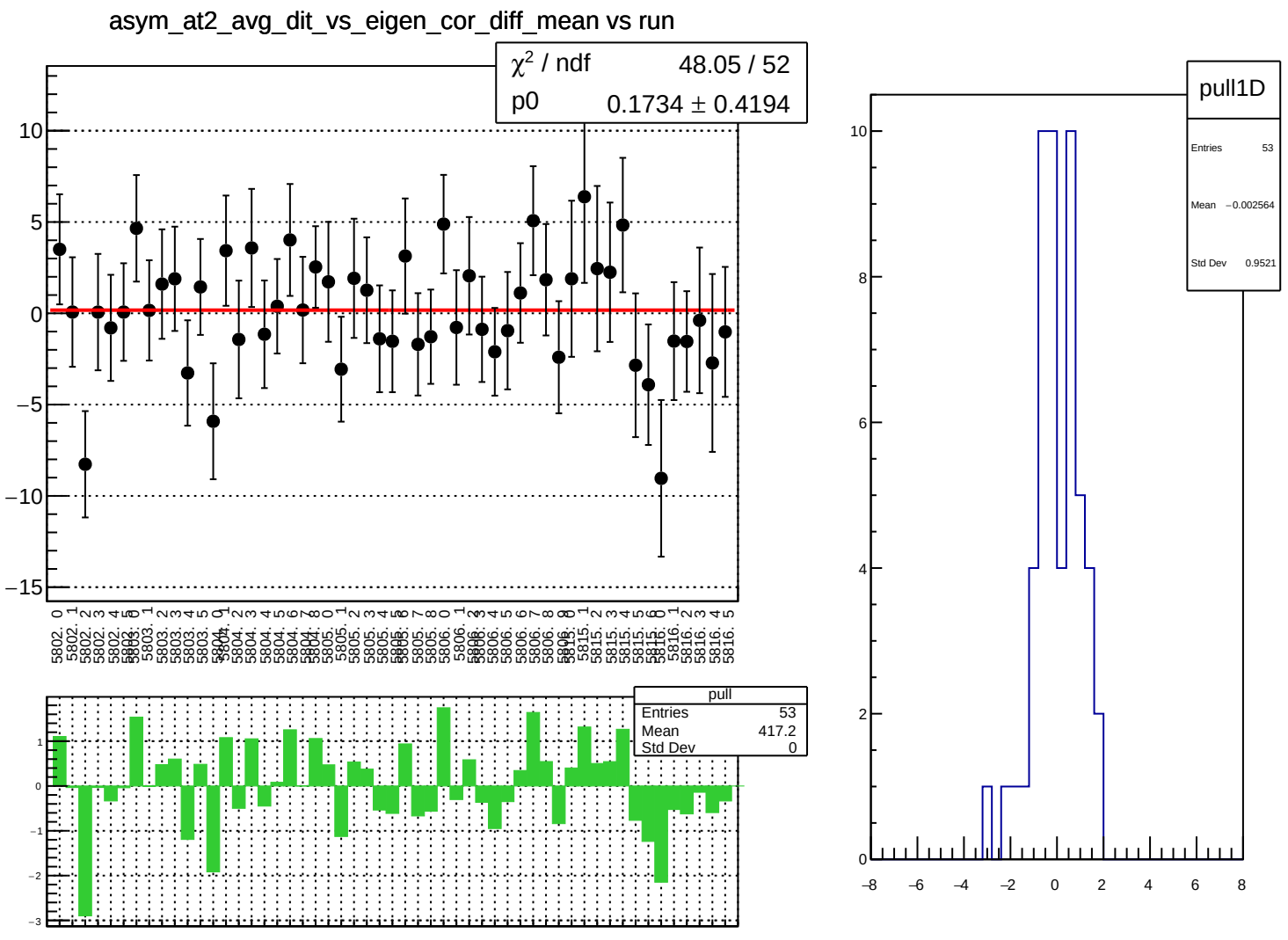

pull1D
Entries 53
Mean 0.03596
Std Dev 0.9802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

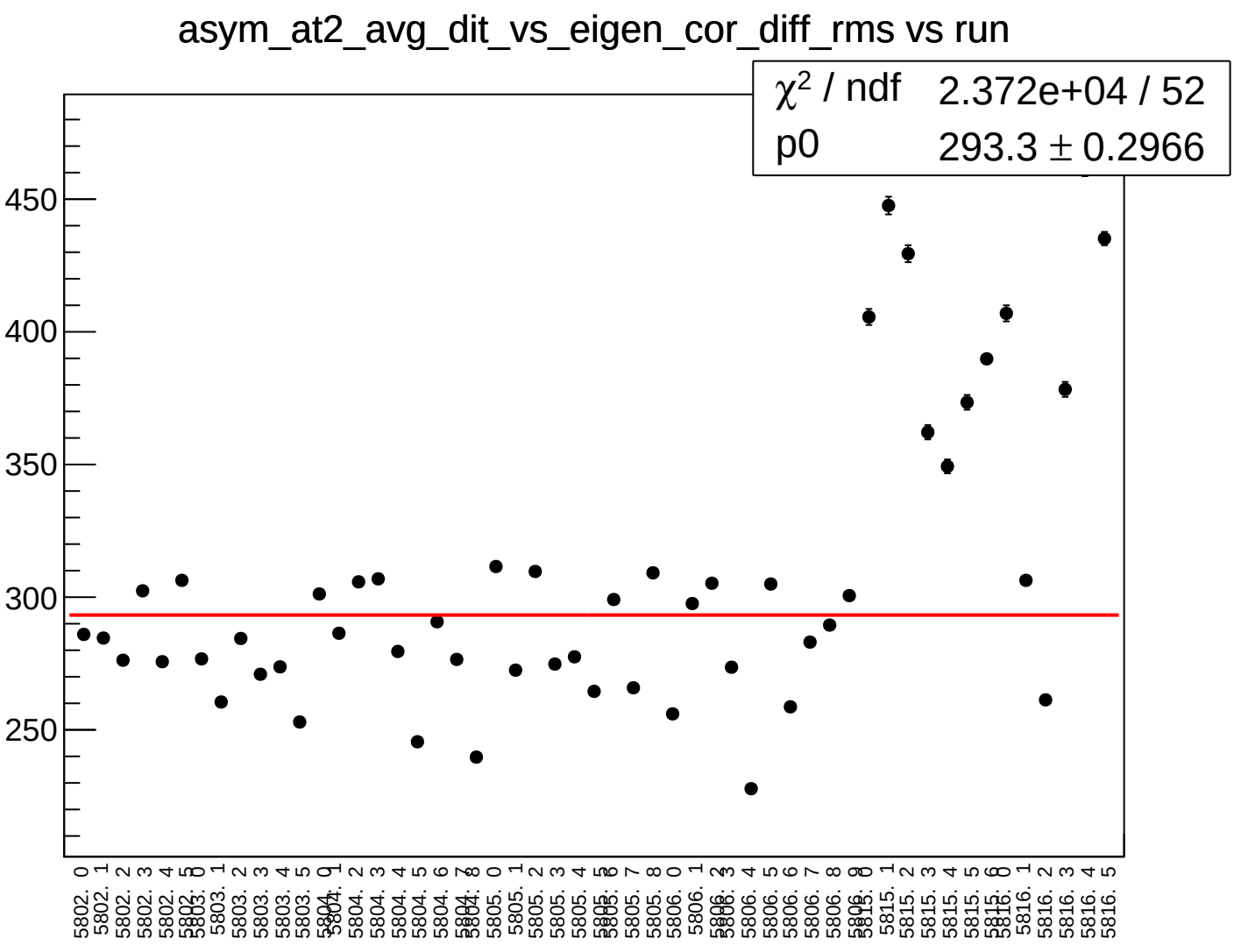

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.846e+05 / 52
p0 5.764e−10 ± 8.017e−13
1
0.8
0.6
0.4
0.2
0

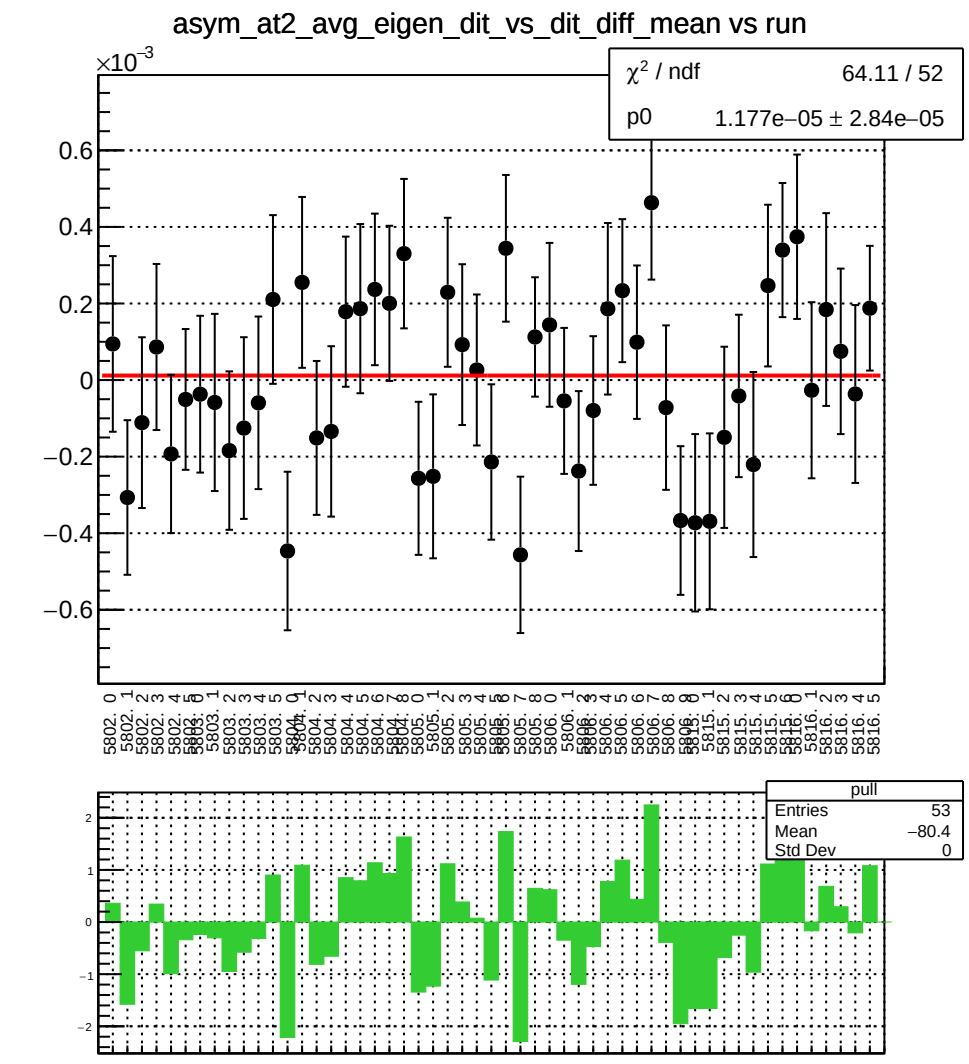

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1734 ± 0.4194
pull
Entries 53
Mean 417.2
Std Dev 0

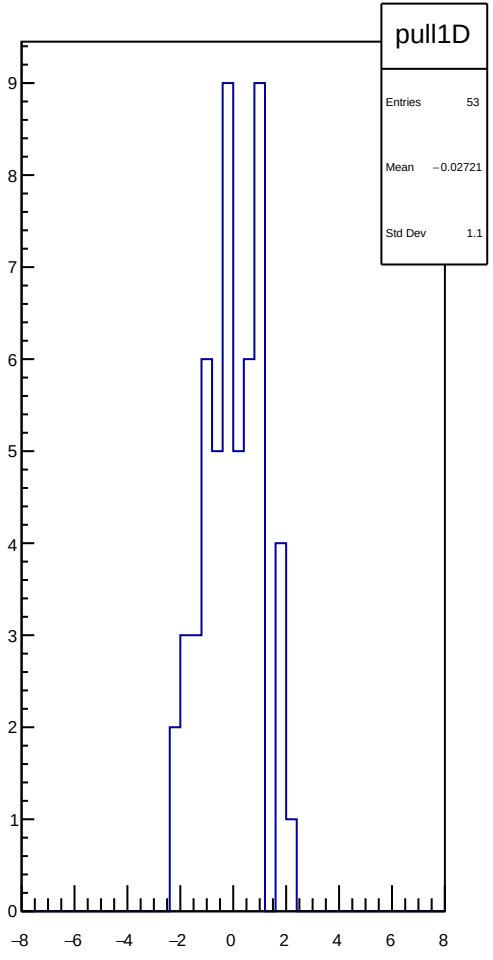

pull1D
Entries 53
Mean −0.002564
Std Dev 0.9521

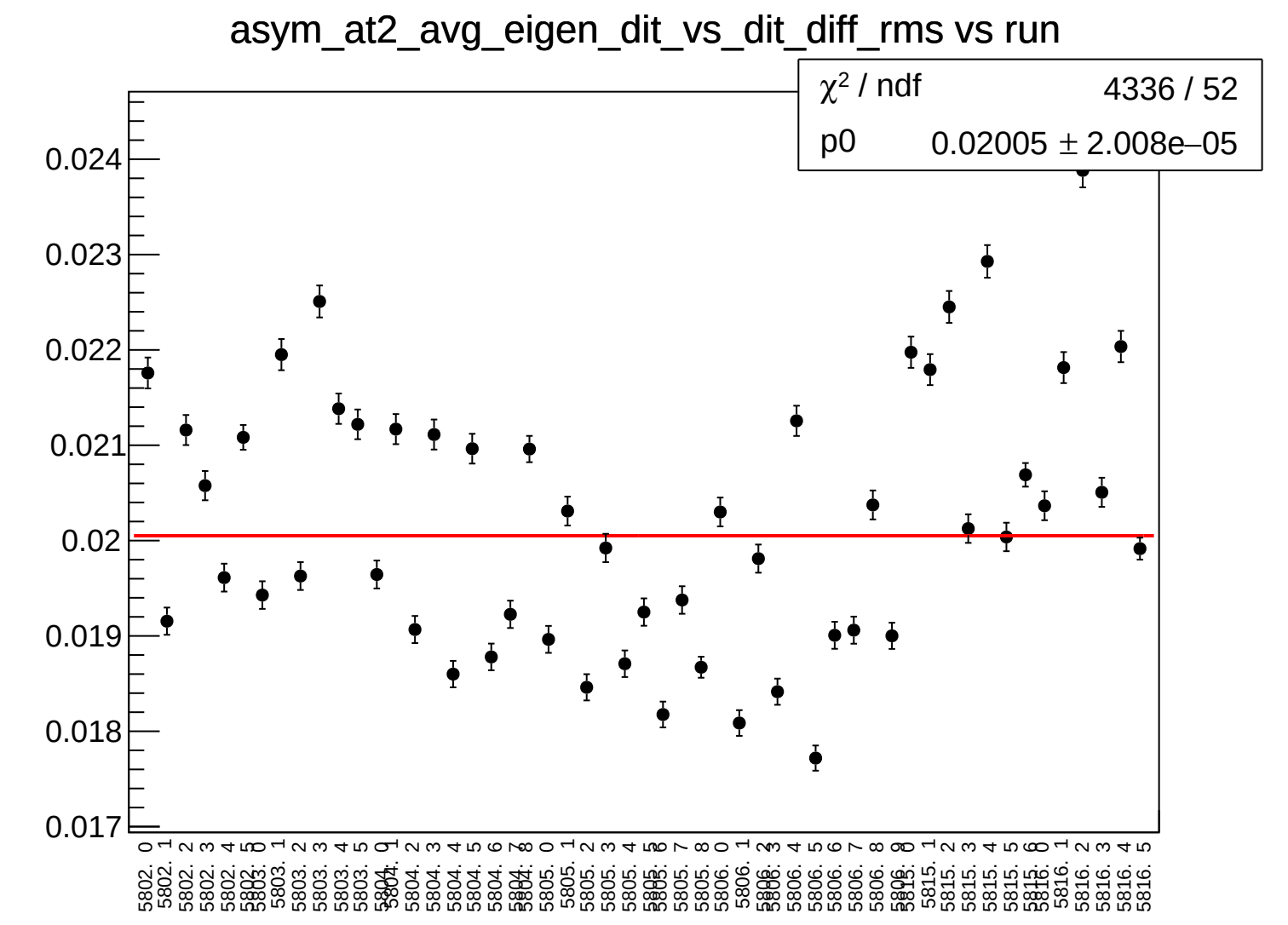

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.372e+04 / 52
p0 293.3 ± 0.2966
450
400
350
300
250

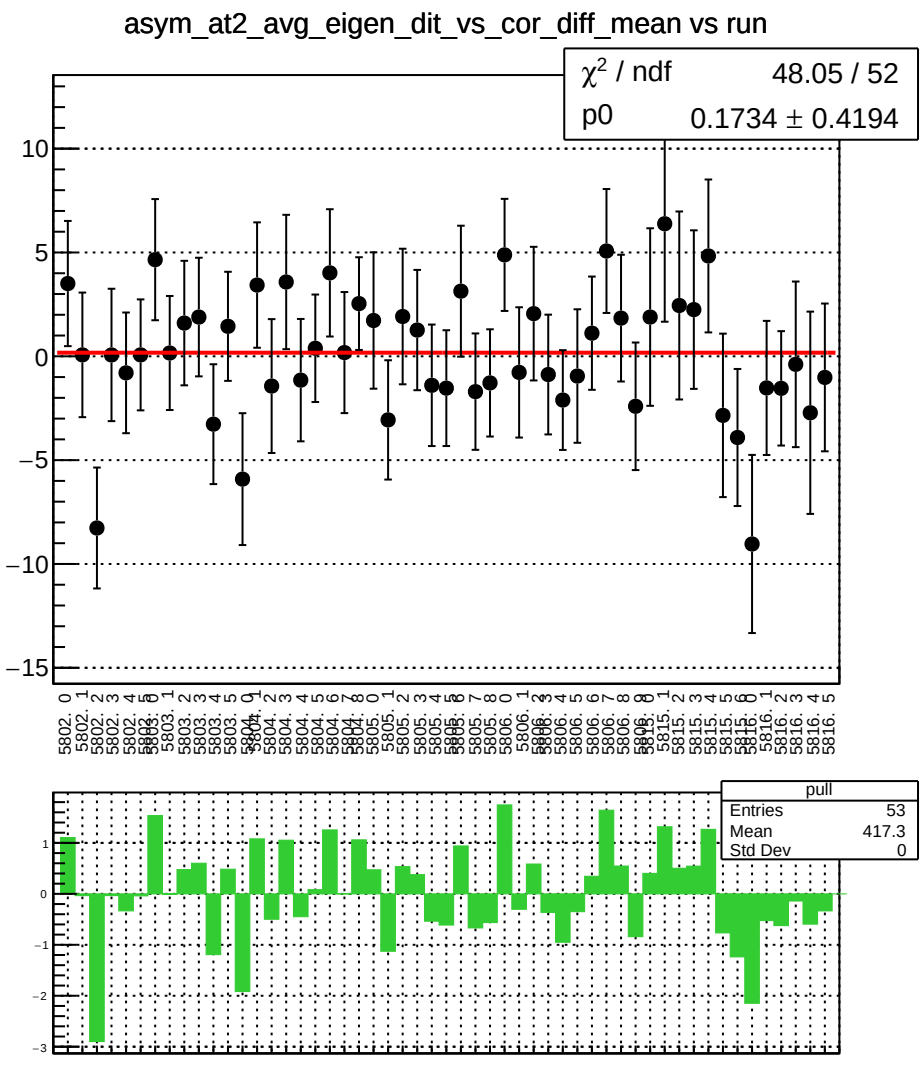

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1734 ± 0.4194
pull
Entries 53
Mean 417.2
Std Dev 0
pull1D
Entries 53
Mean −0.002564
Std Dev 0.9521

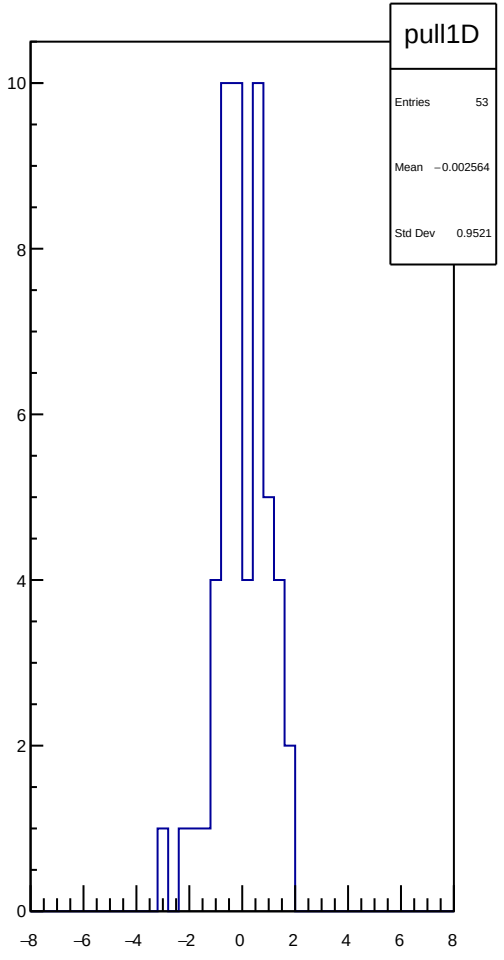

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.372e+04 / 52
p0 293.3 ± 0.2966
450
400
350
300
250
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

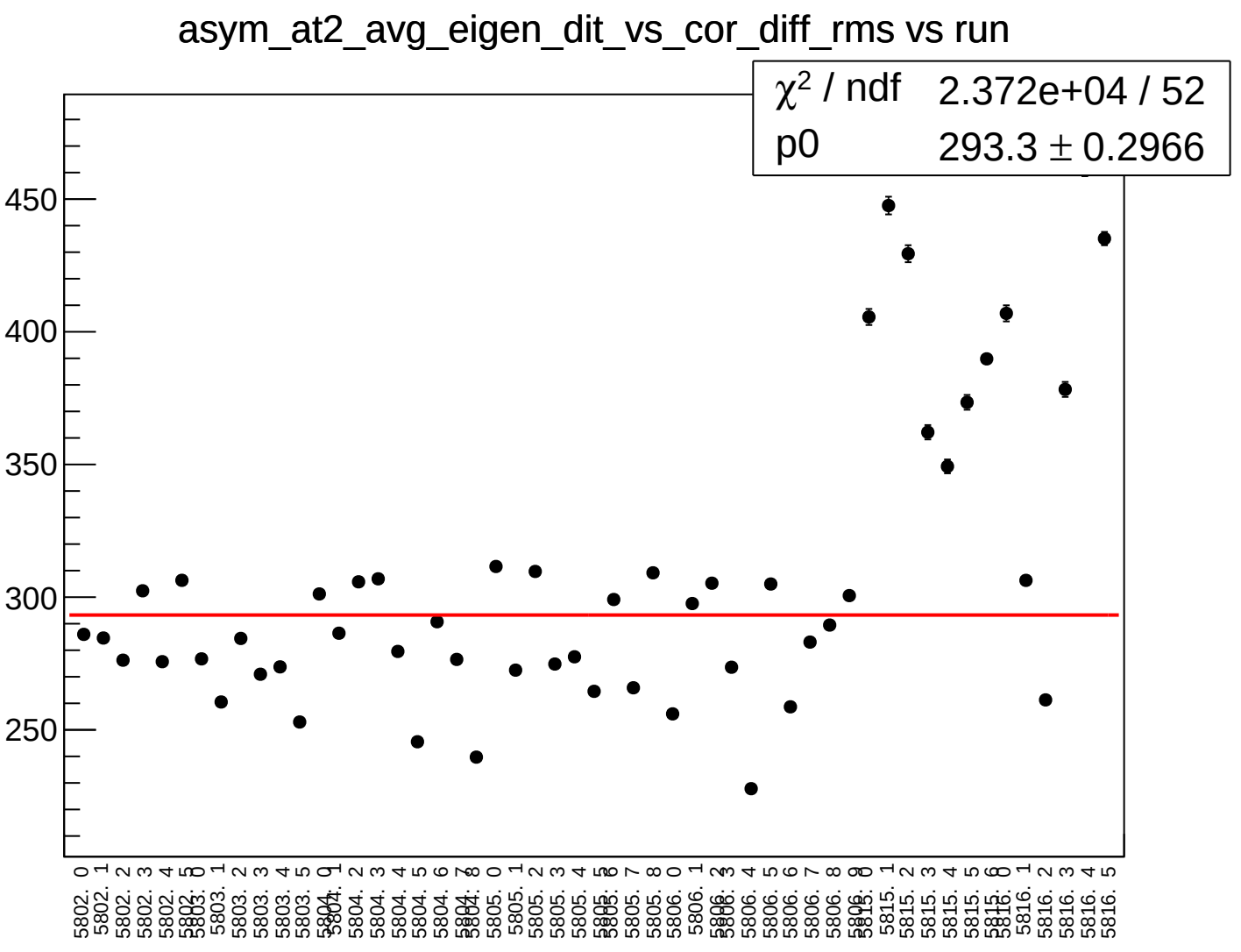

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.11 / 52
p0 1.177e−05 ± 2.84e−05
pull
Entries 53
Mean −80.4
Std Dev 0

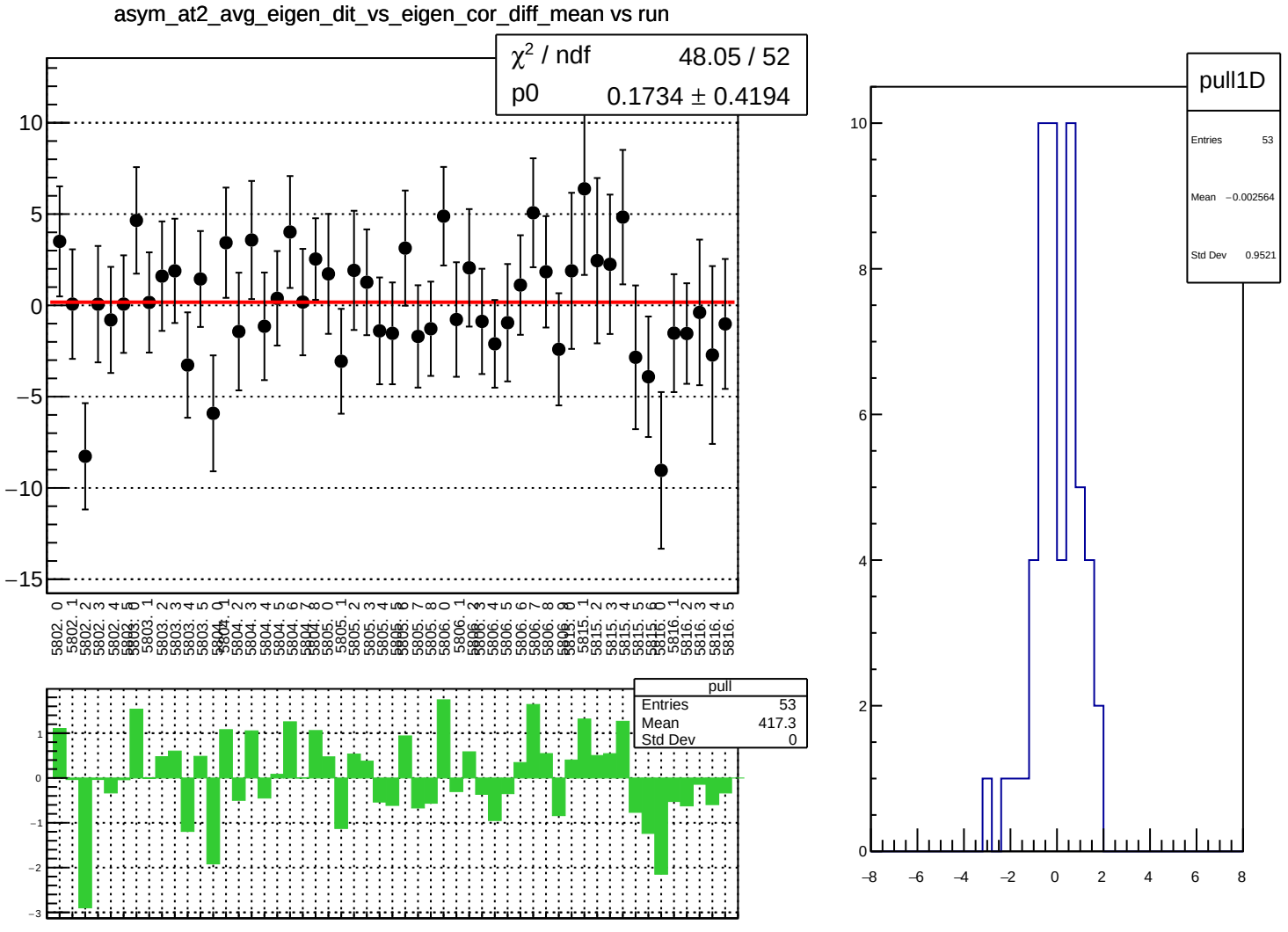

pull1D
Entries 53
Mean −0.02721
Std Dev 1.1

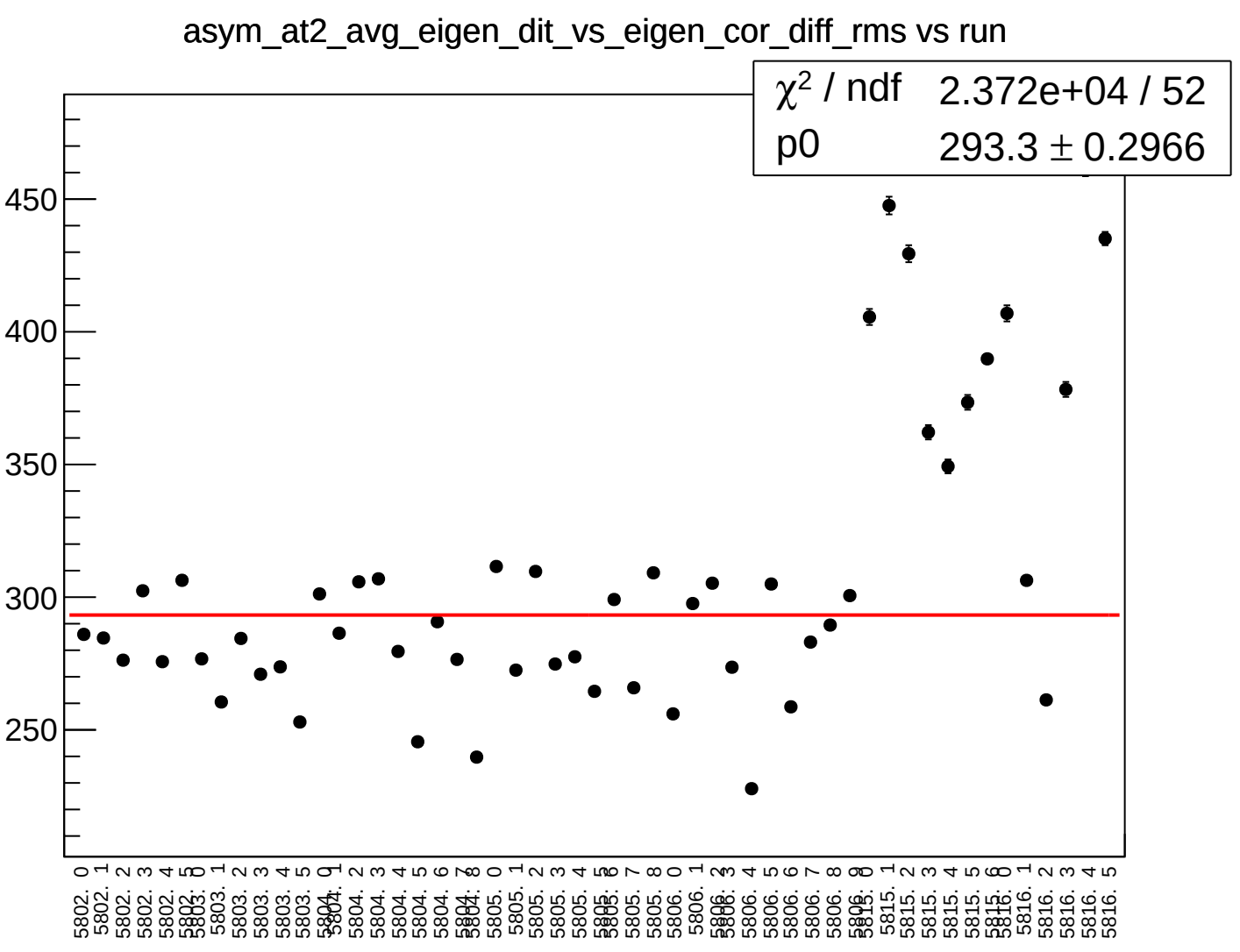

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4336 / 52
p0 0.02005 ± 2.008e–05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017

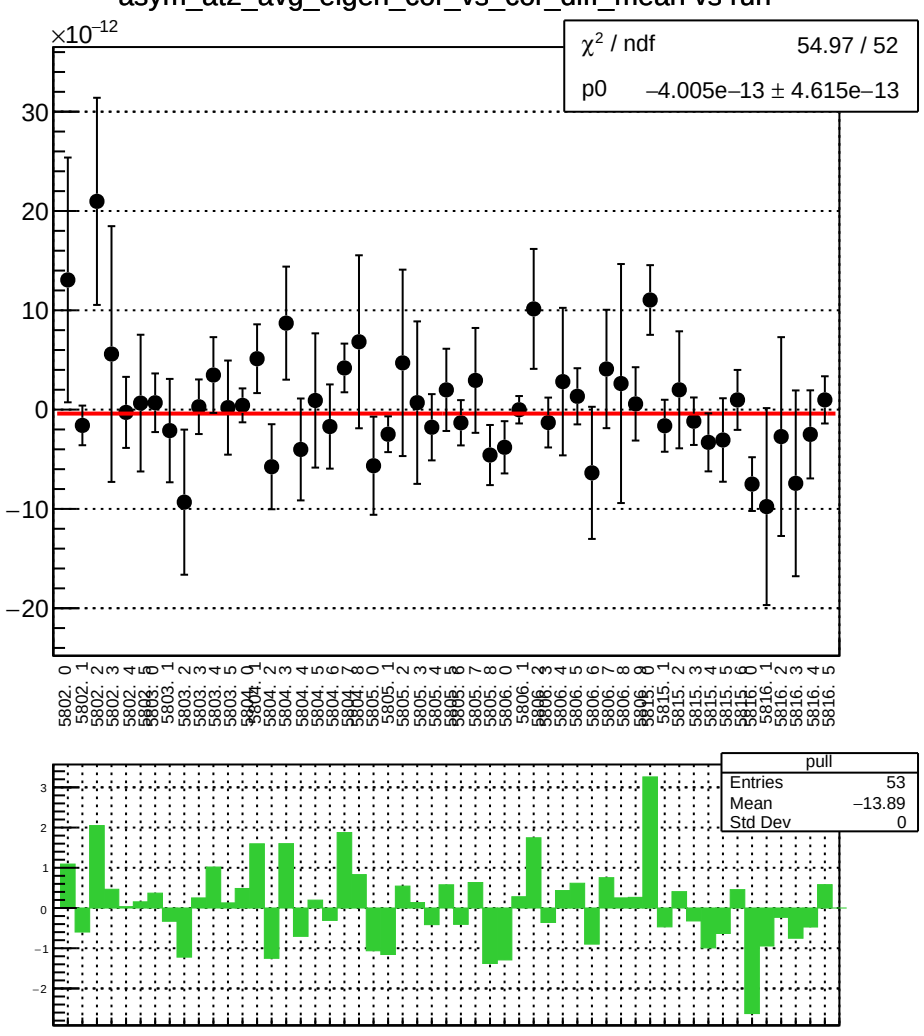

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1734 ± 0.4194
pull
Entries 53
Mean 417.3
Std Dev 0

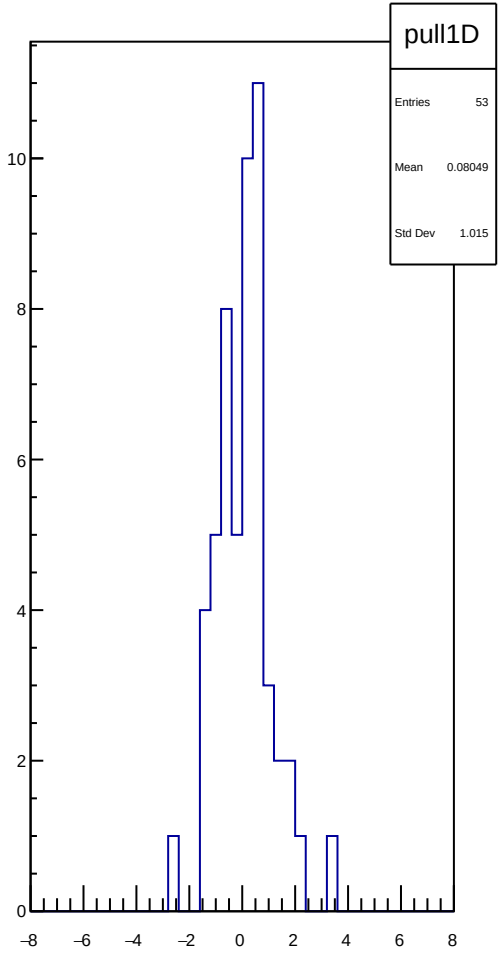

pull1D
Entries 53
Mean −0.002564
Std Dev 0.9521

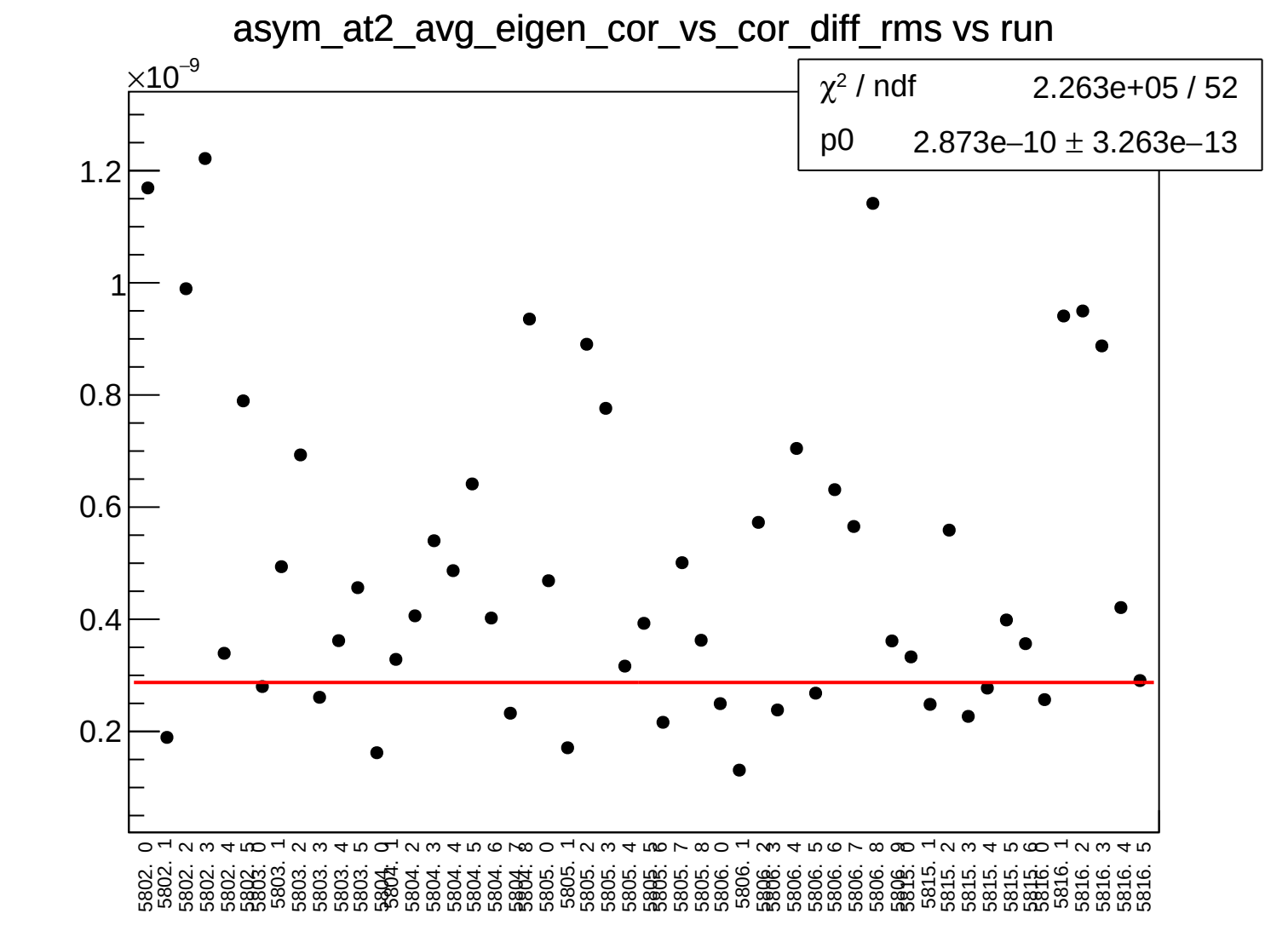

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.372e+04 / 52
p0 293.3 ± 0.2966
450
400
350
300
250

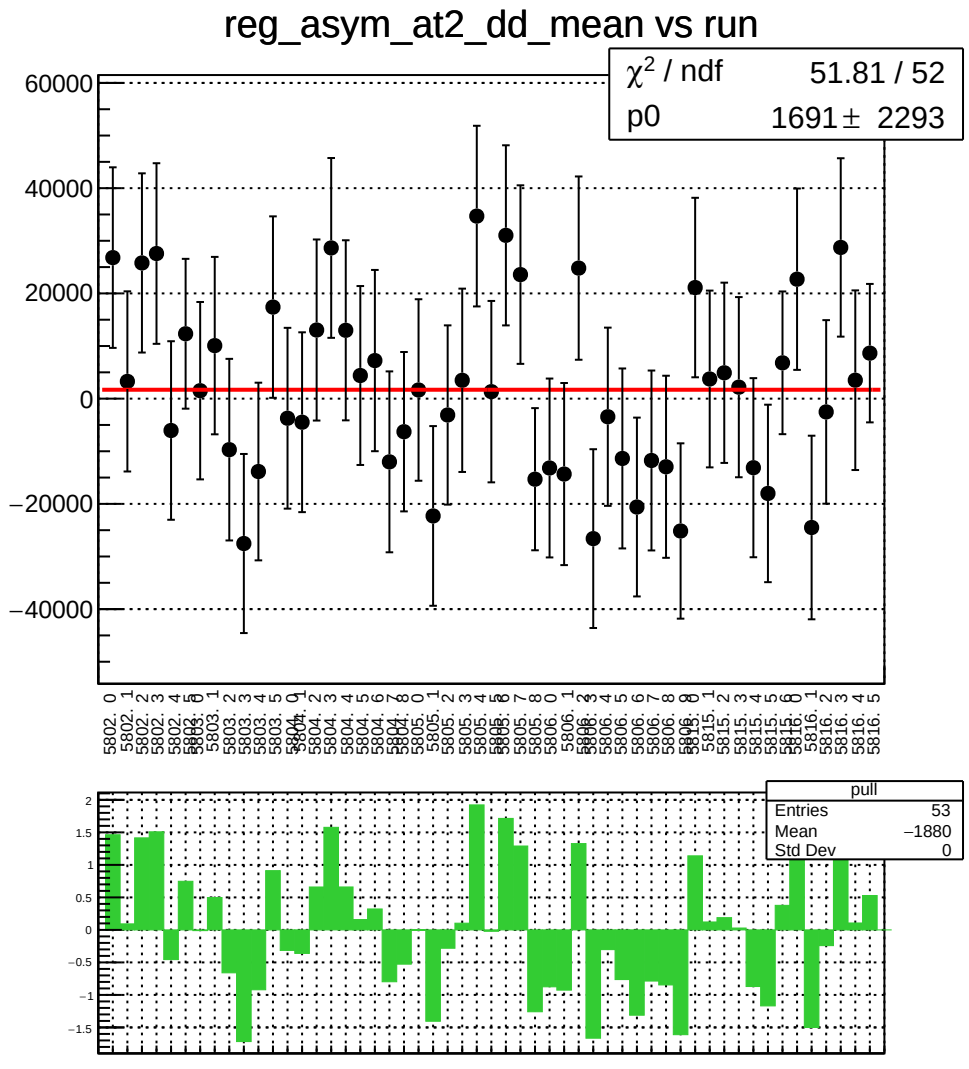

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.05 / 52
p0 0.1734 ± 0.4194
pull
Entries 53
Mean 417.3
Std Dev 0
pull1D
Entries 53
Mean −0.002564
Std Dev 0.9521

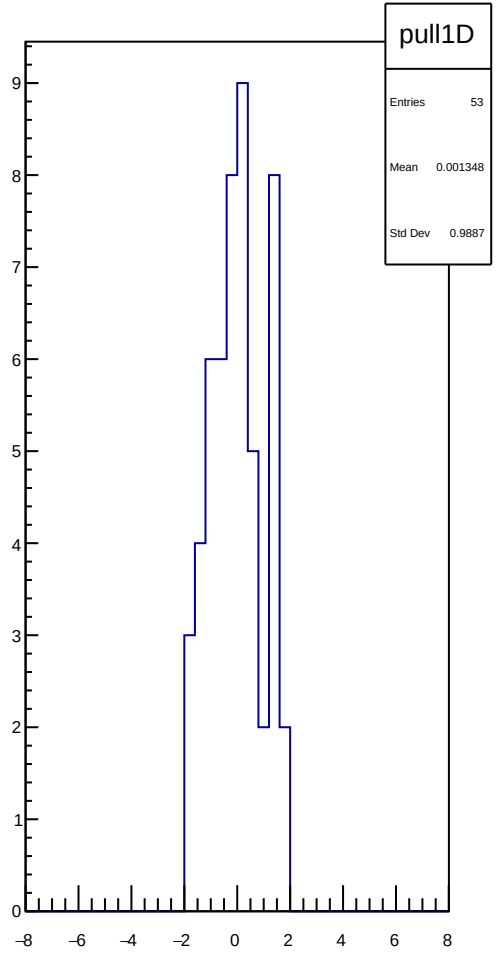

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.372e+04 / 52
p0 293.3 ± 0.2966
450
400
350
300
250

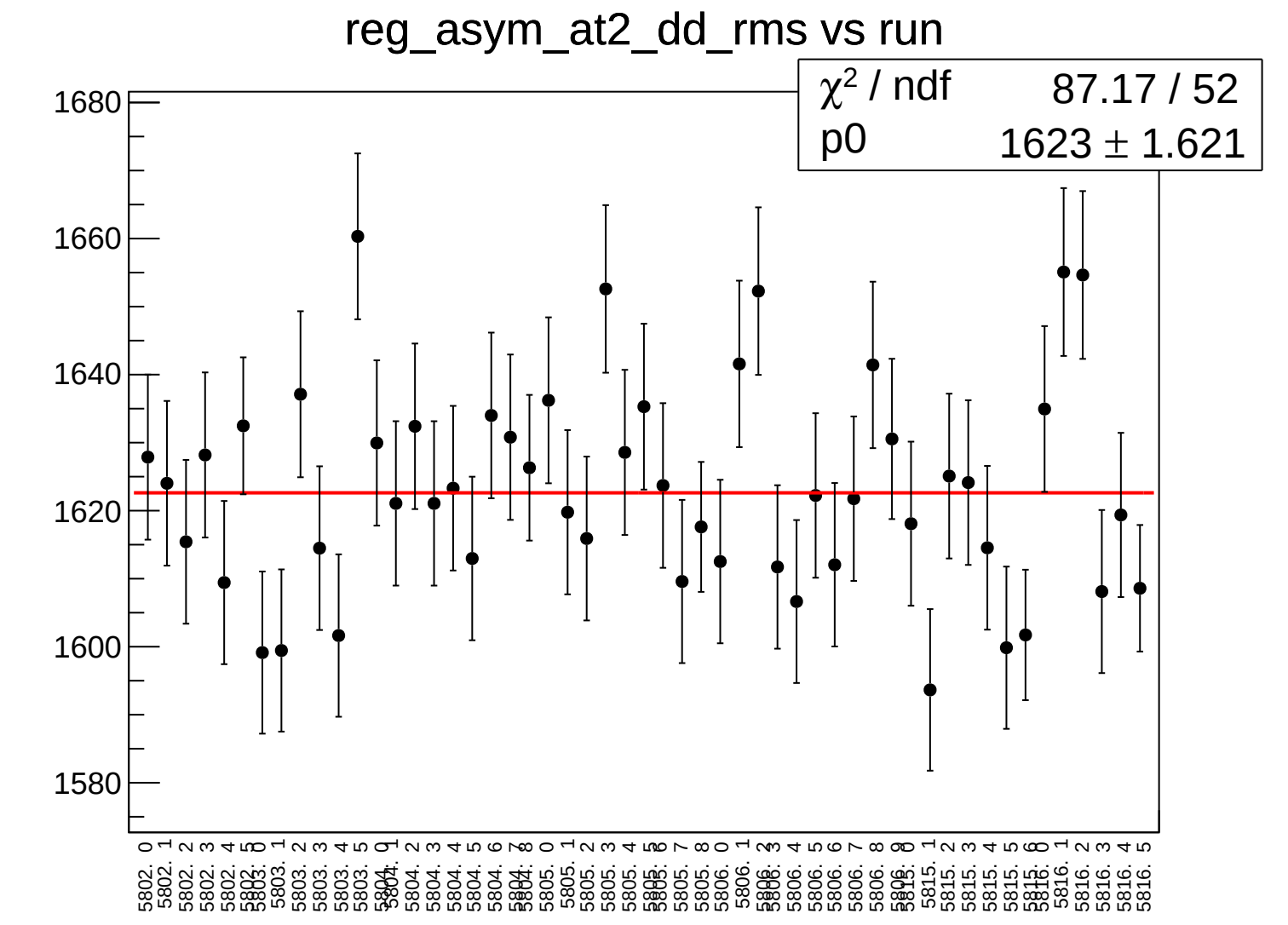

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.97 / 52
p0 −4.005e−13 ± 4.615e−13
pull
Entries 53
Mean −13.89
Std Dev 0

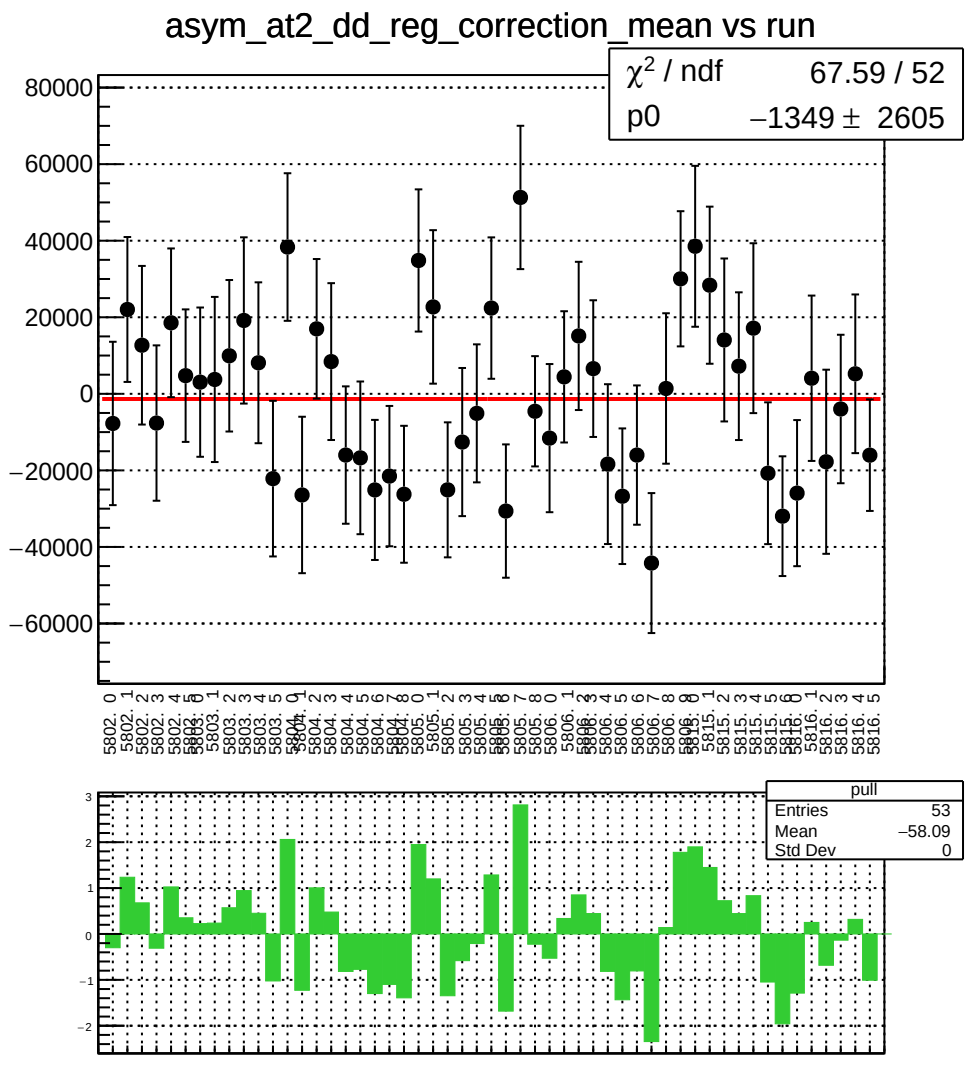

pull1D
Entries 53
Mean 0.08049
Std Dev 1.015

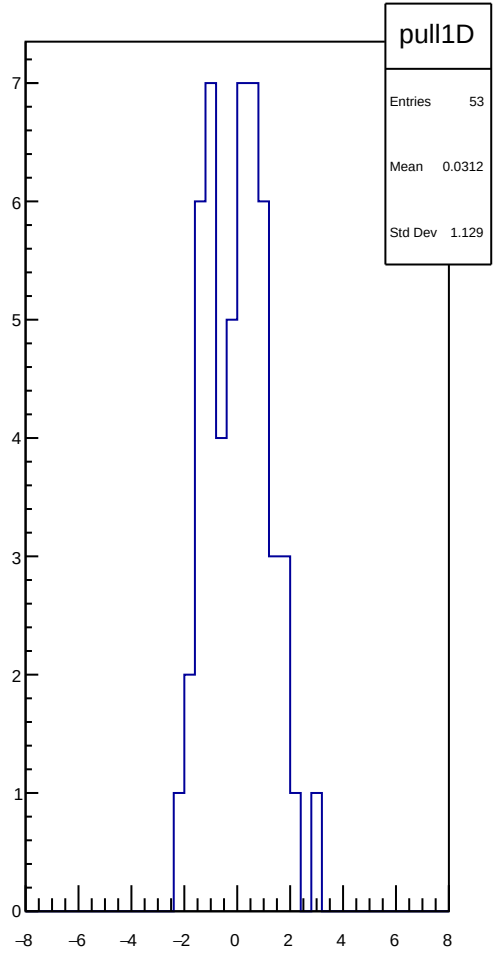

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.263e+05 / 52
p0 2.873e−10 ± 3.263e−13
1.2
1
0.8
0.6
0.4
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

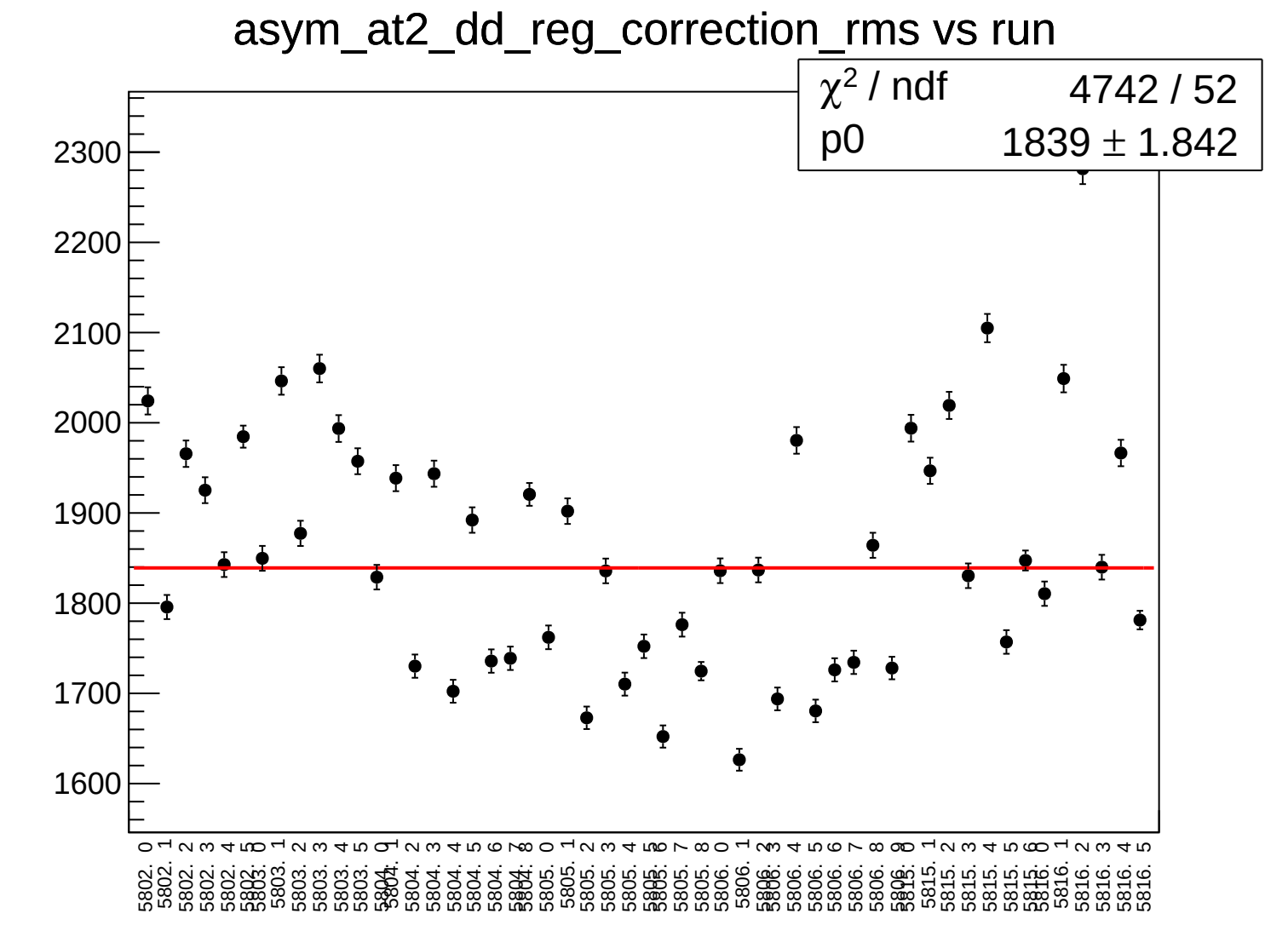

reg_asym_at2_dd_mean vs run
χ² / ndf 51.81 / 52
p0 1691 ± 2293
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −1880
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

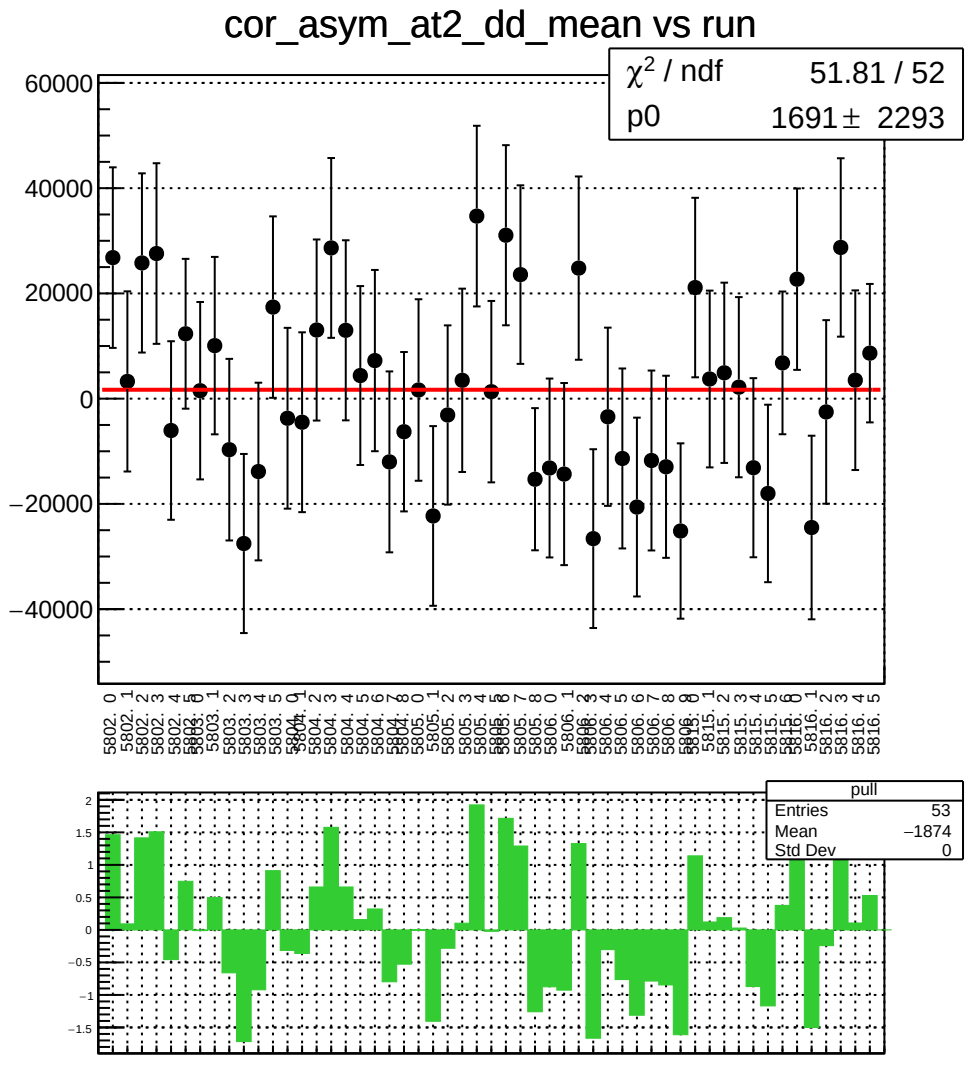

pull1D
Entries 53
Mean 0.001348
Std Dev 0.9887
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

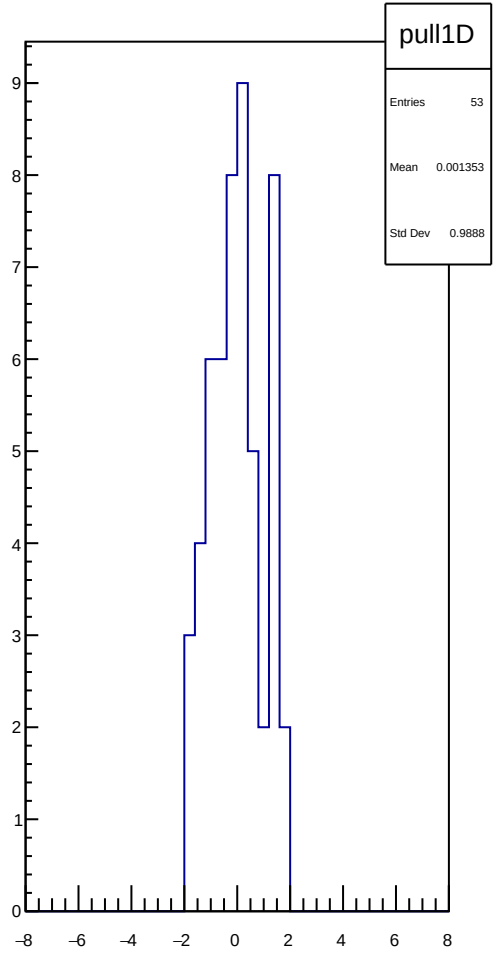

reg_asym_at2_dd_rms vs run
χ² / ndf 87.17 / 52
p0 1623 ± 1.621
1680
1660
1640
1620
1600
1580

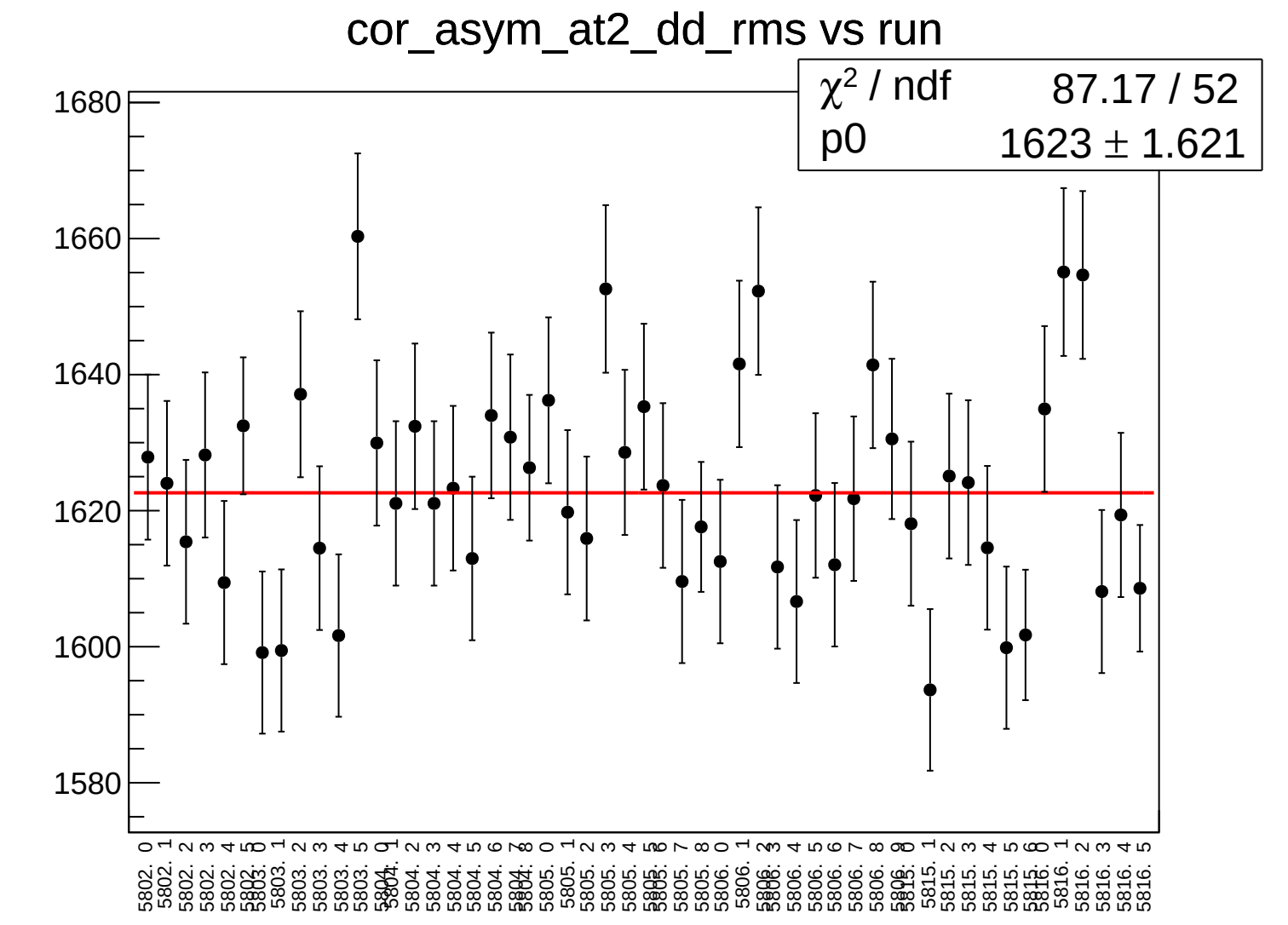

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 67.59 / 52
p0 −1349 ± 2605
pull
Entries 53
Mean −58.09
Std Dev 0

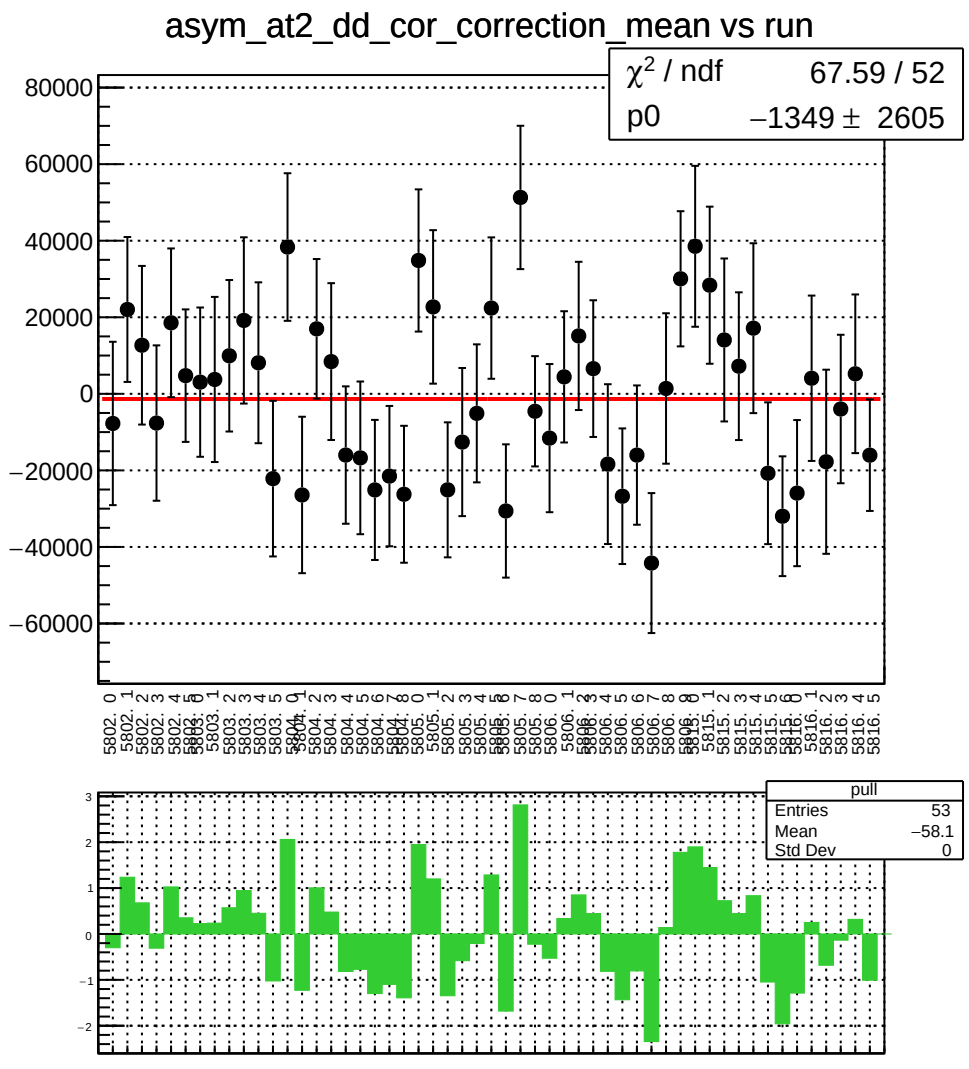

pull1D
Entries 53
Mean 0.0312
Std Dev 1.129

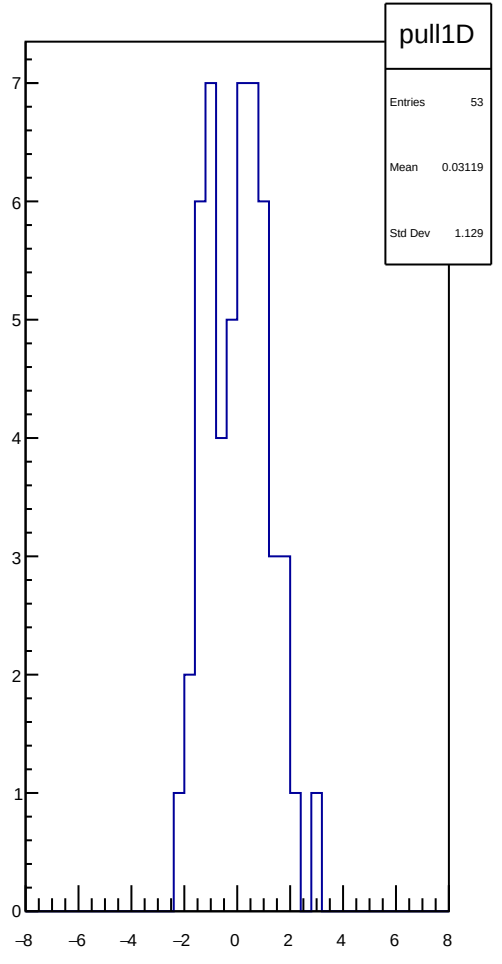

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4742 / 52
p0 1839 ± 1.842
2300
2200
2100
2000
1900
1800
1700
1600

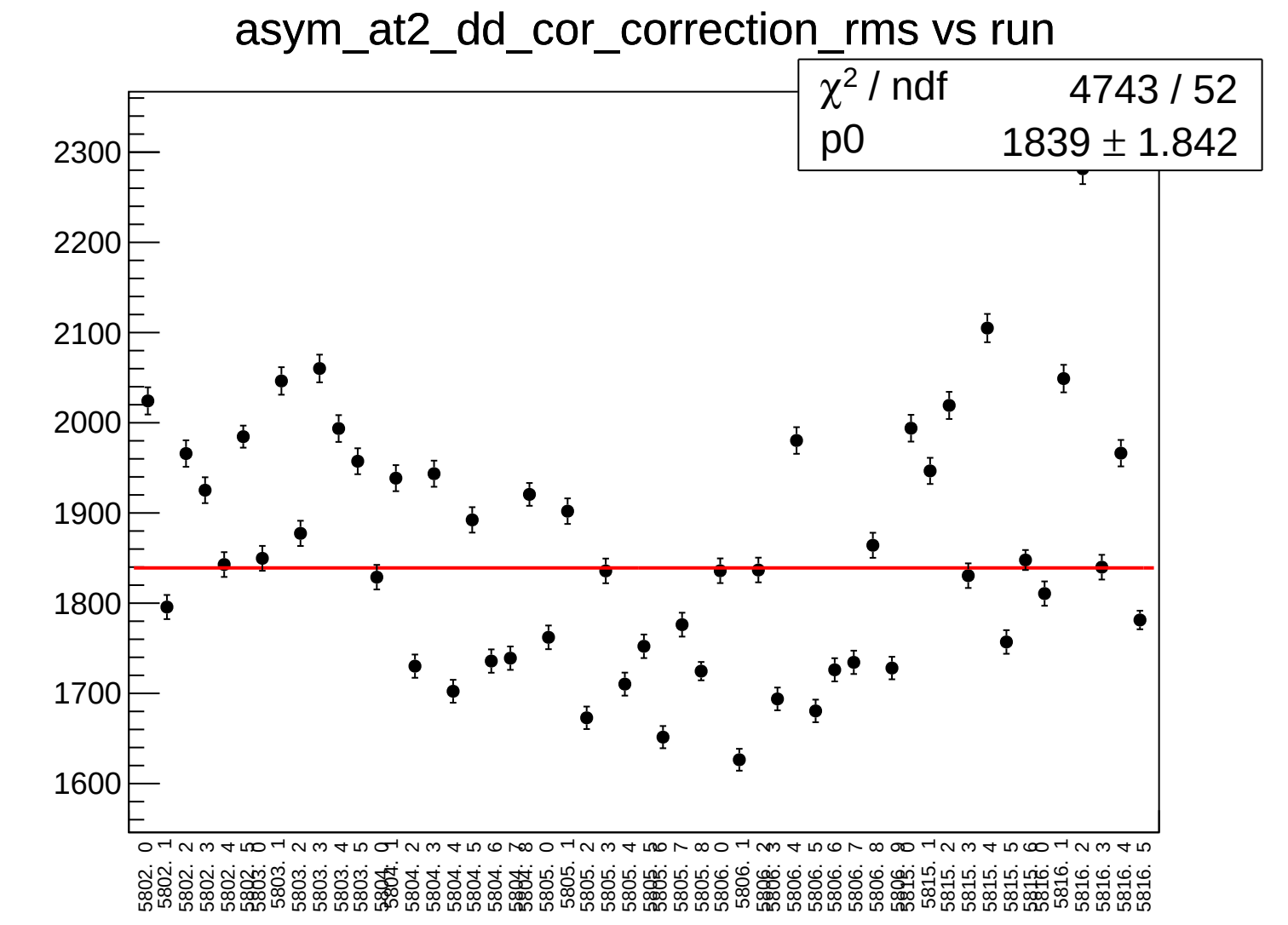

cor_asym_at2_dd_mean vs run
χ² / ndf 51.81 / 52
p0 1691 ± 2293
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −1874
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

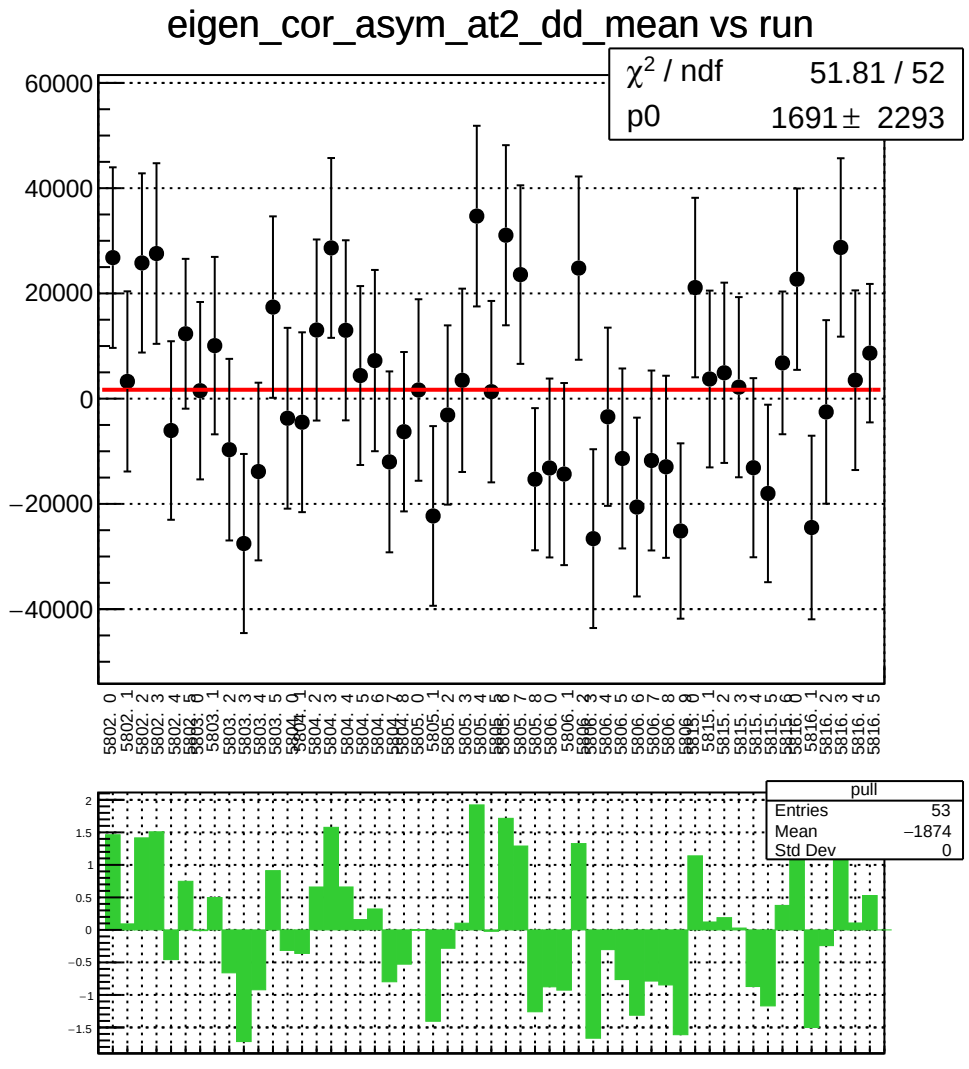

pull1D
Entries 53
Mean 0.001353
Std Dev 0.9888
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

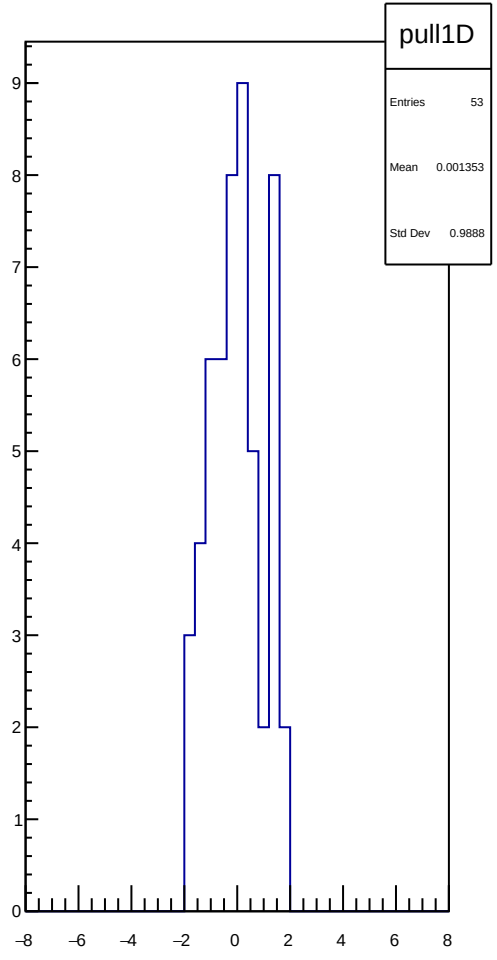

cor_asym_at2_dd_rms vs run
χ² / ndf 87.17 / 52
p0 1623 ± 1.621
1680
1660
1640
1620
1600
1580

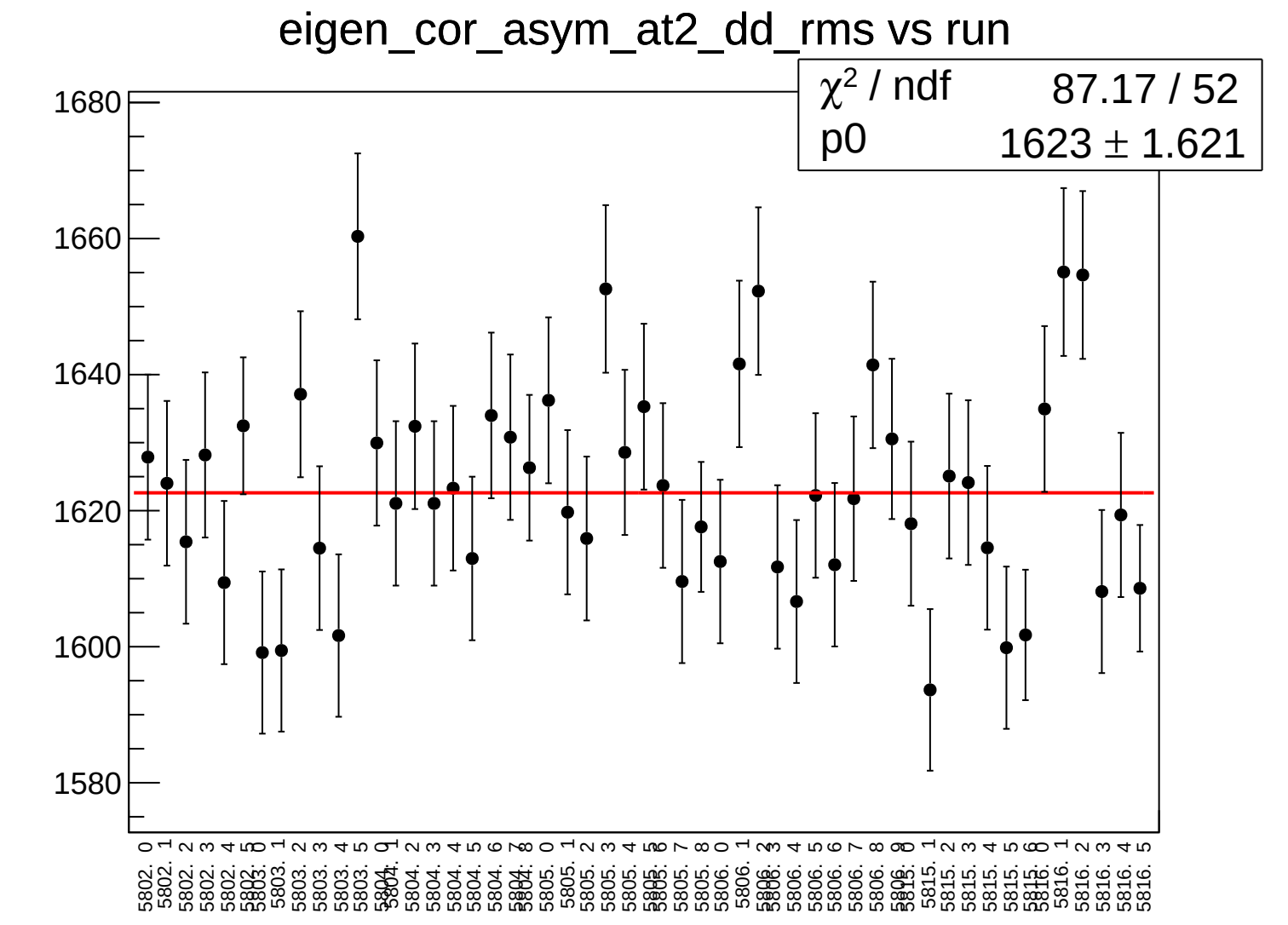

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 67.59 / 52
p0 −1349 ± 2605
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −58.1
Std Dev 0
3
2
1
0
−1
−2

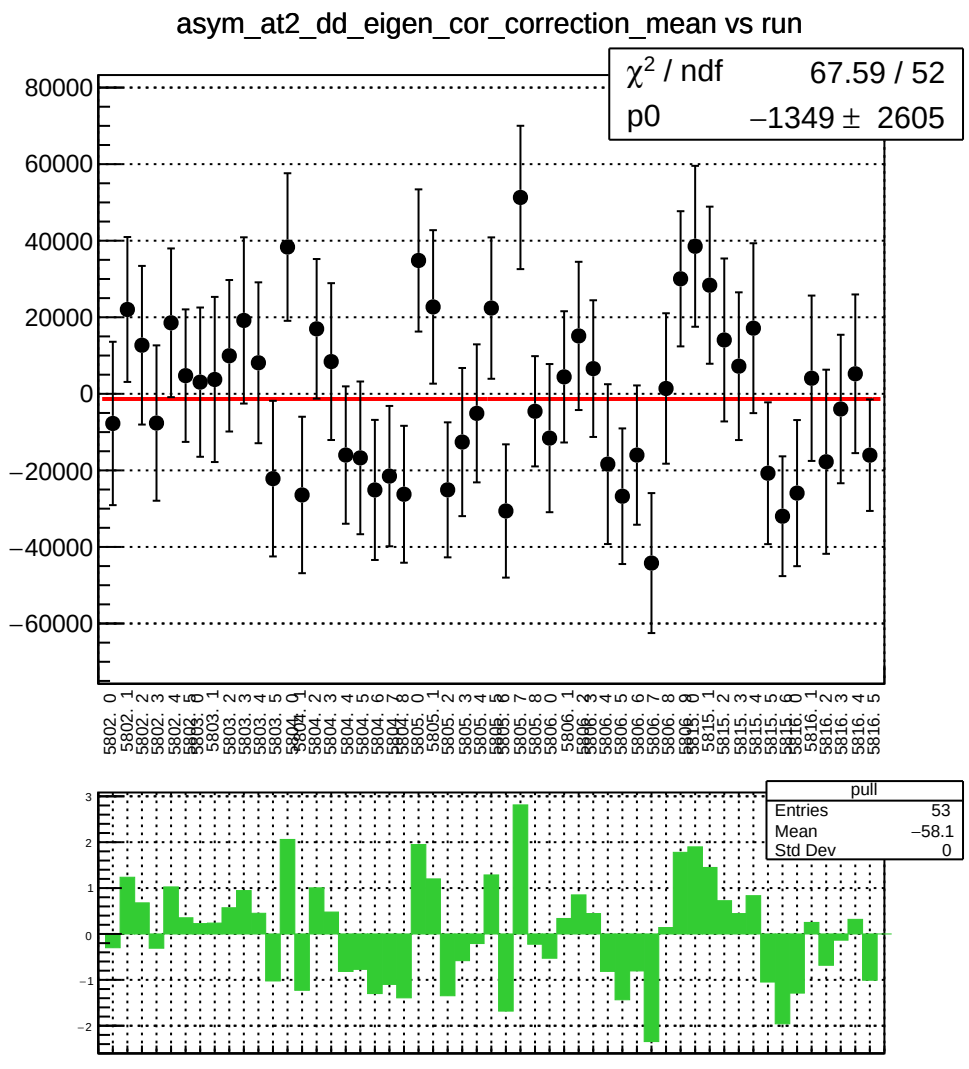

pull1D
Entries 53
Mean 0.03119
Std Dev 1.129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

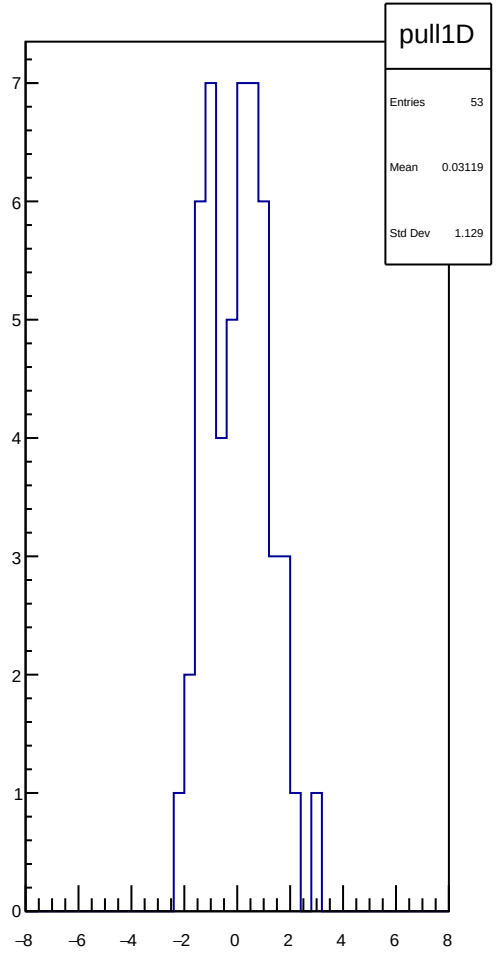

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4743 / 52
p0 1839 ± 1.842
2300
2200
2100
2000
1900
1800
1700
1600

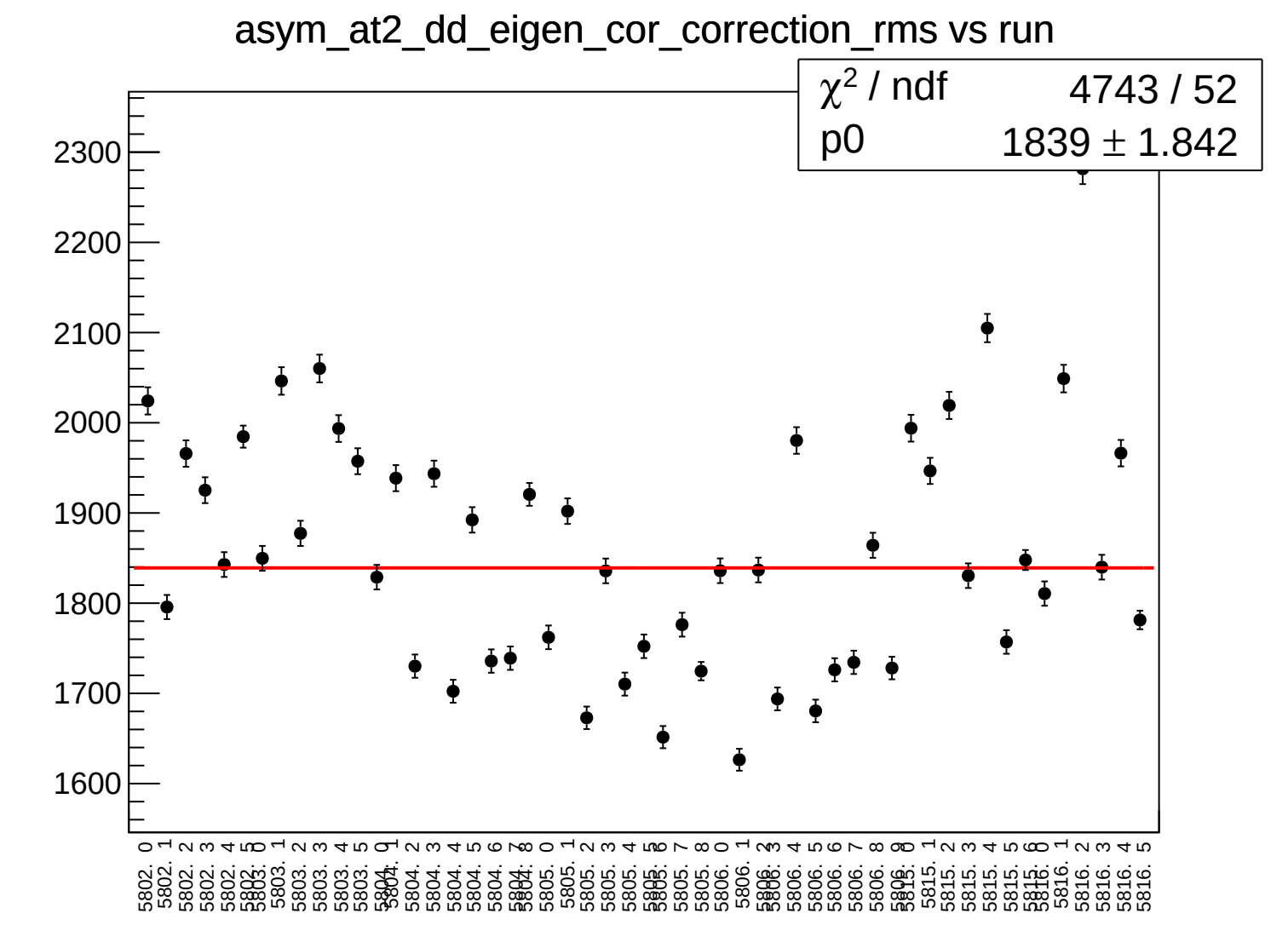

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 51.81 / 52
p0 1691 ± 2293
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −1874
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

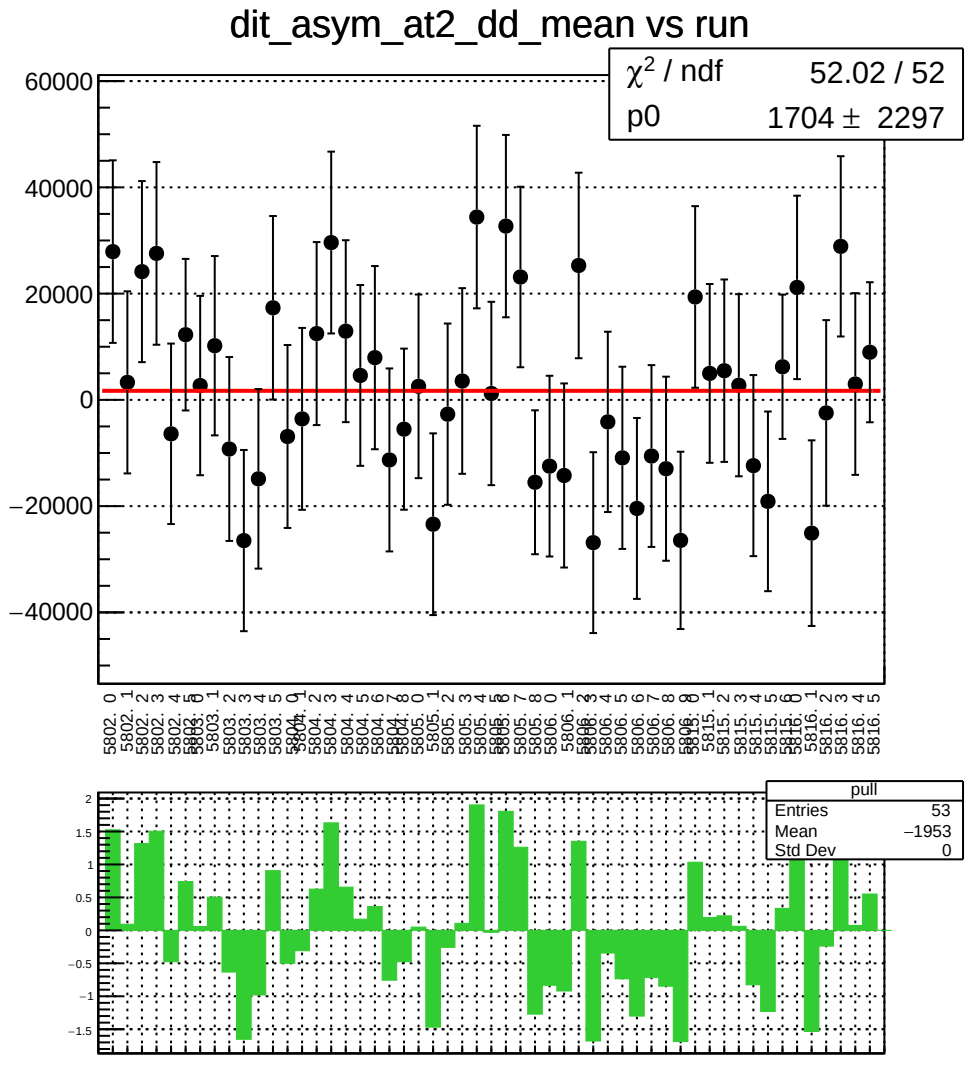

pull1D
Entries 53
Mean 0.001353
Std Dev 0.9888
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

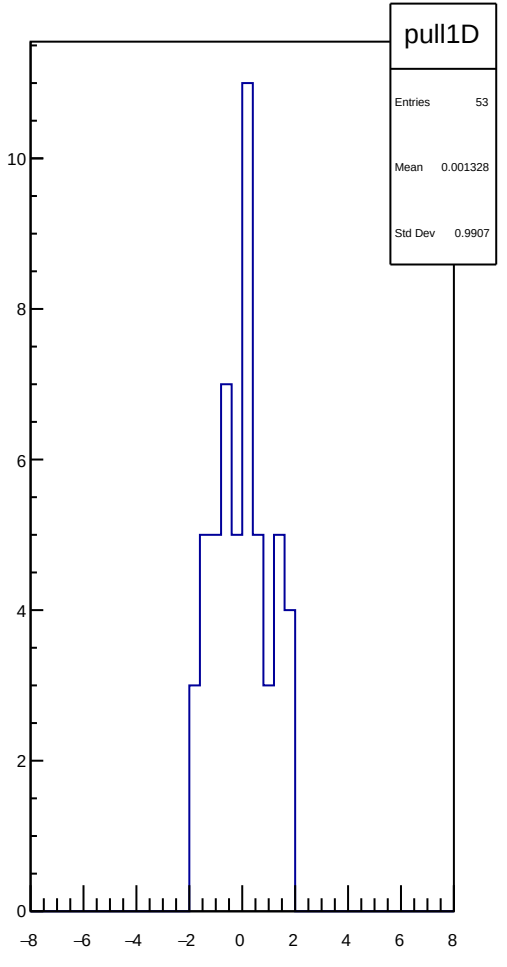

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 87.17 / 52
p0 1623 ± 1.621
1680
1660
1640
1620
1600
1580
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

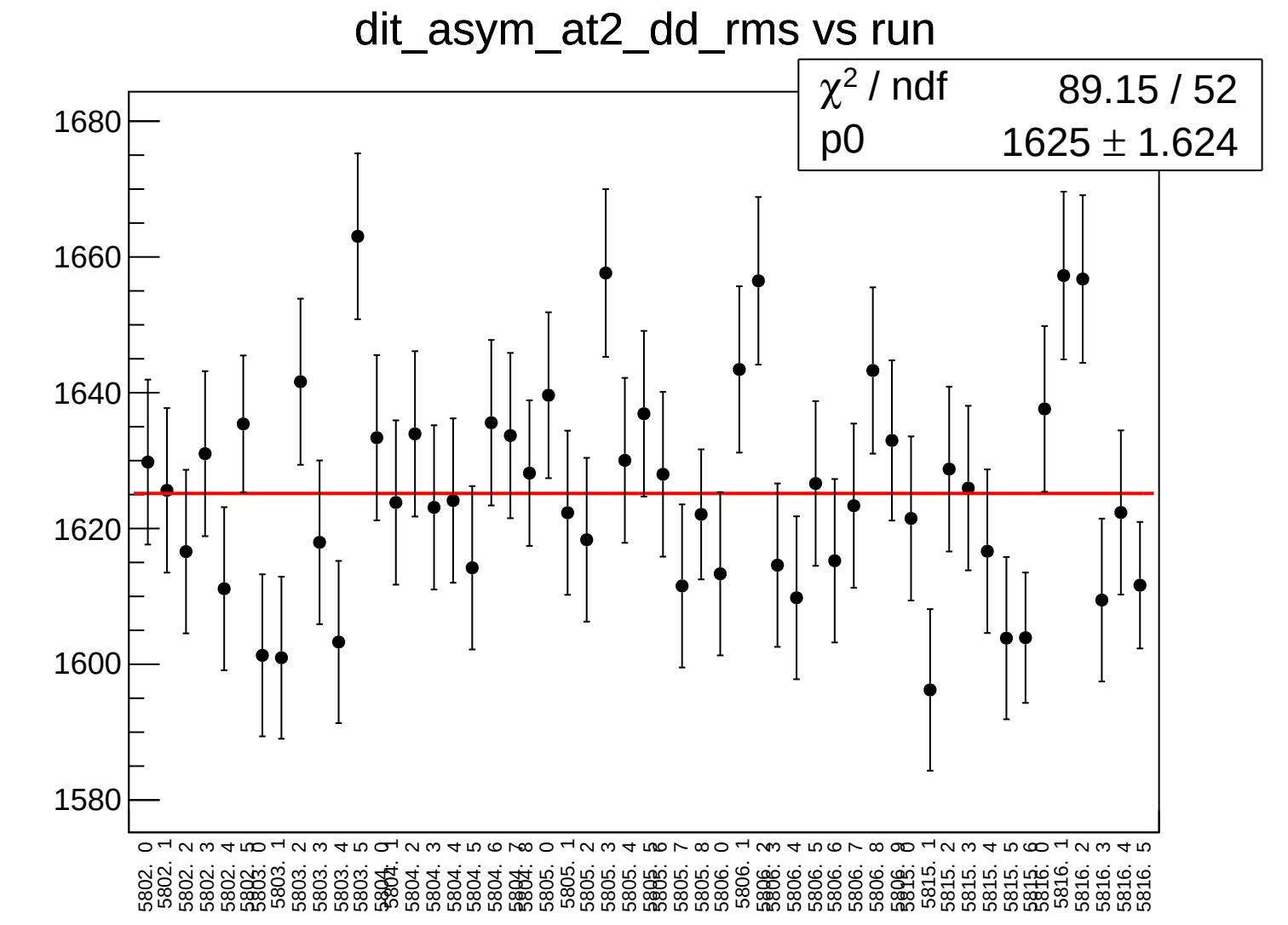

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.59 / 52
p0 −1349 ± 2605
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −58.1
Std Dev 0
3
2
1
0
−1
−2

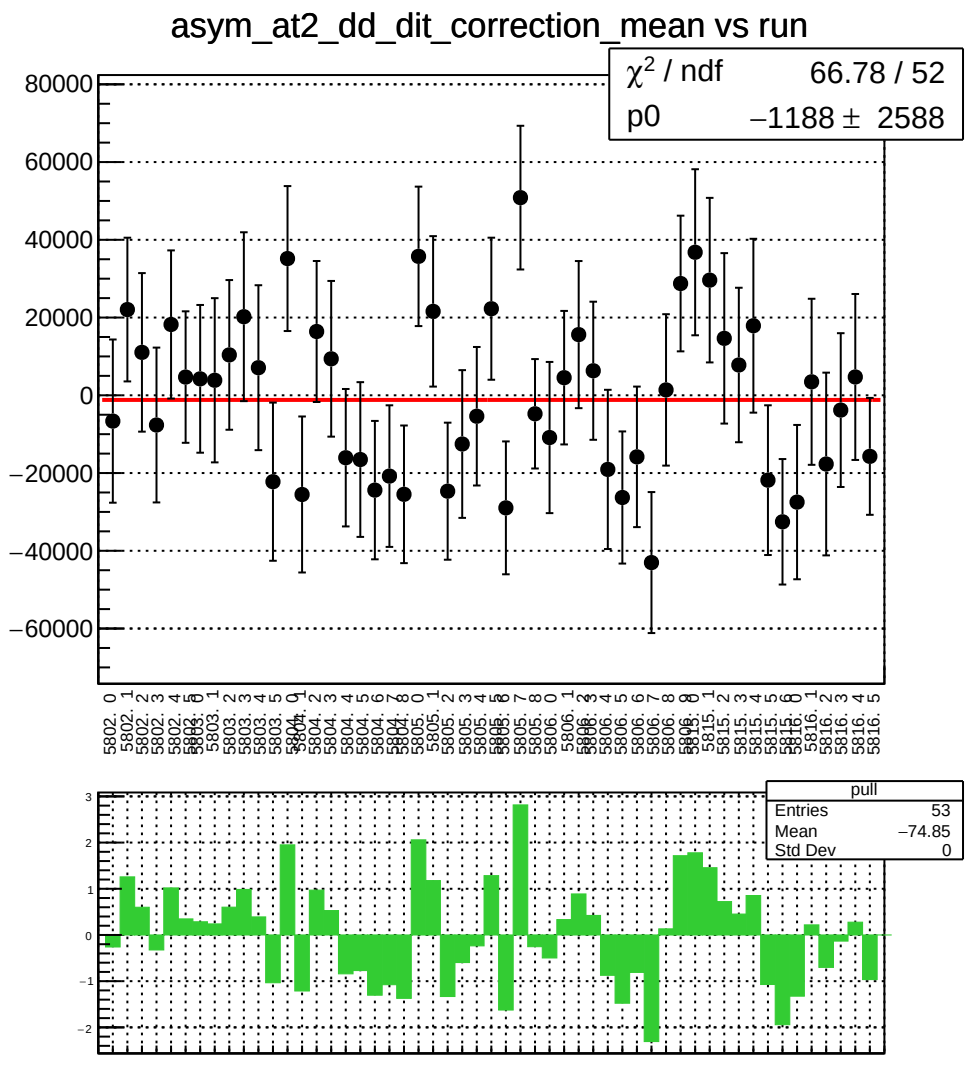

pull1D
Entries 53
Mean 0.03119
Std Dev 1.129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

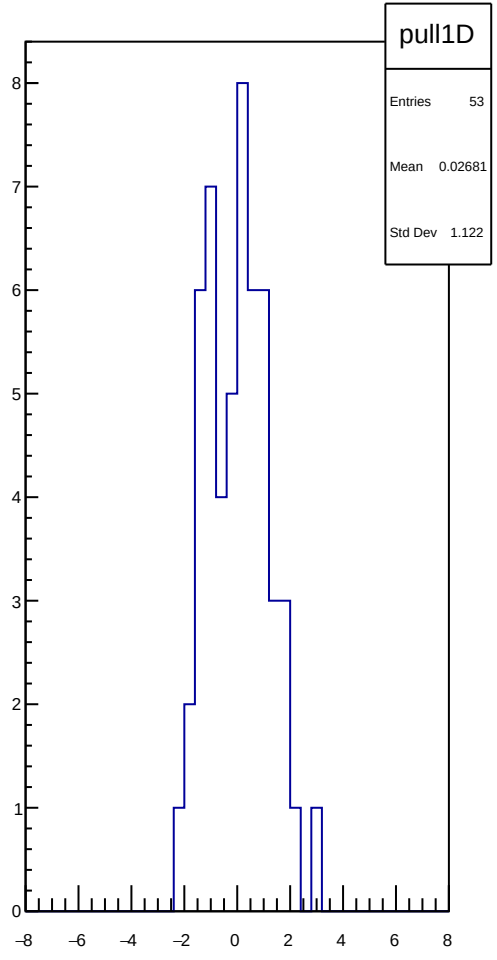

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4743 / 52
p0 1839 ± 1.842
2300
2200
2100
2000
1900
1800
1700
1600

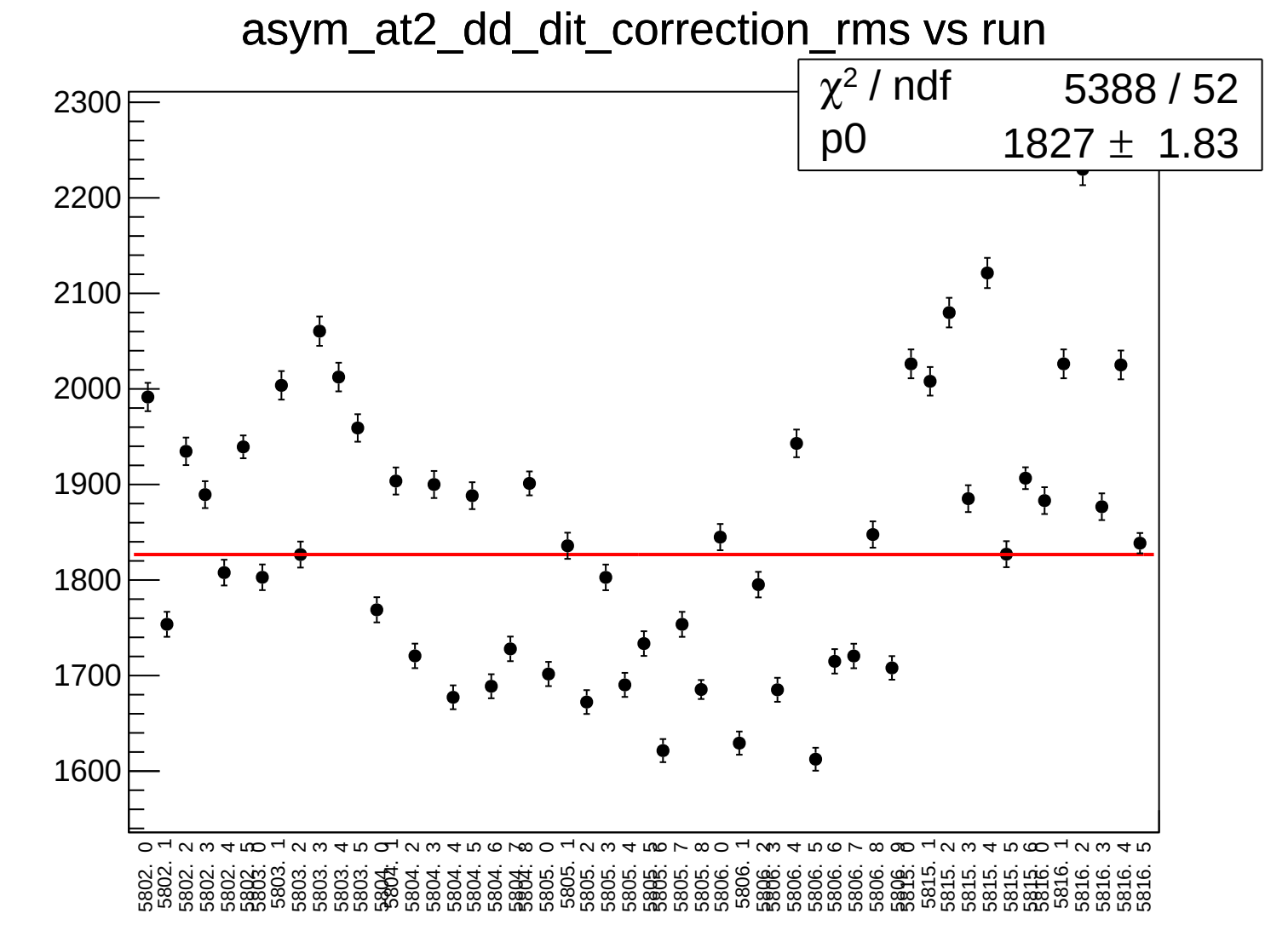

dit_asym_at2_dd_mean vs run
χ² / ndf 52.02 / 52
p0 1704 ± 2297
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −1953
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

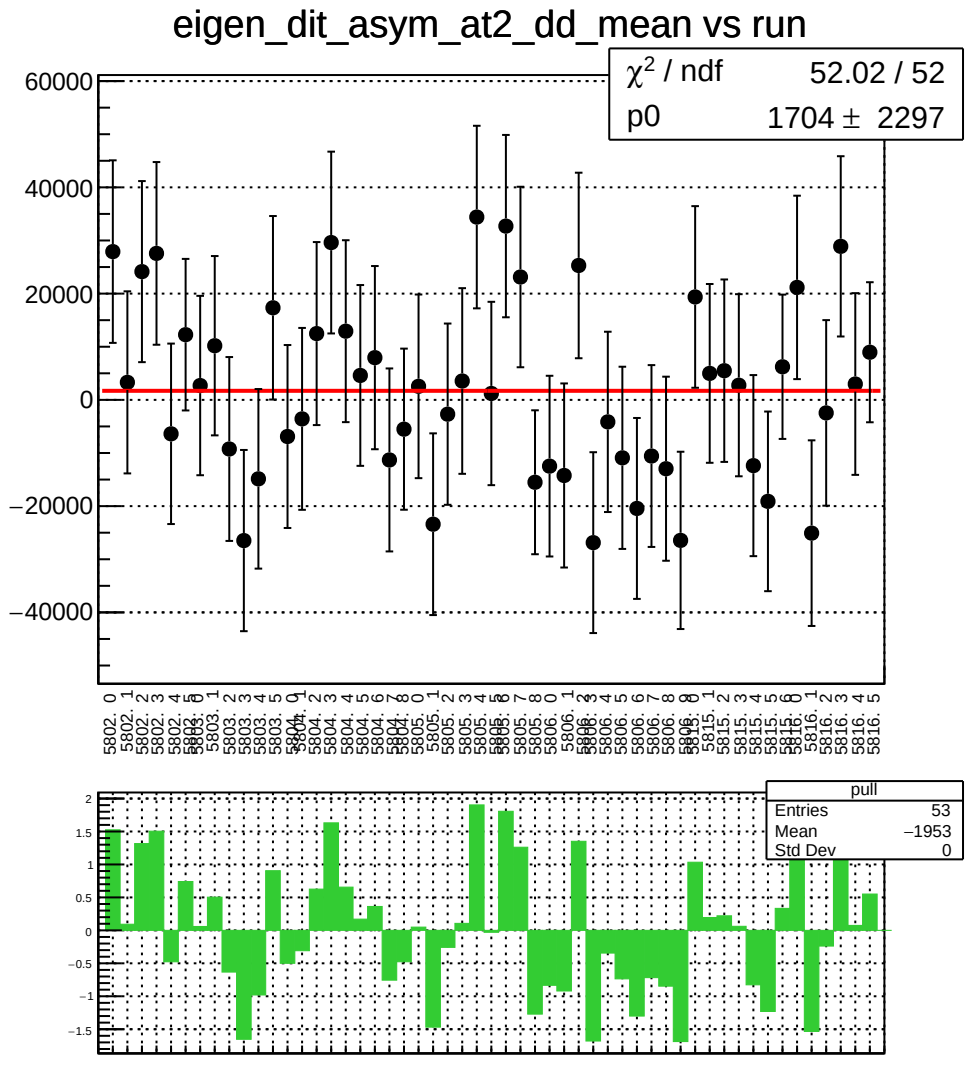

pull1D
Entries 53
Mean 0.001328
Std Dev 0.9907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

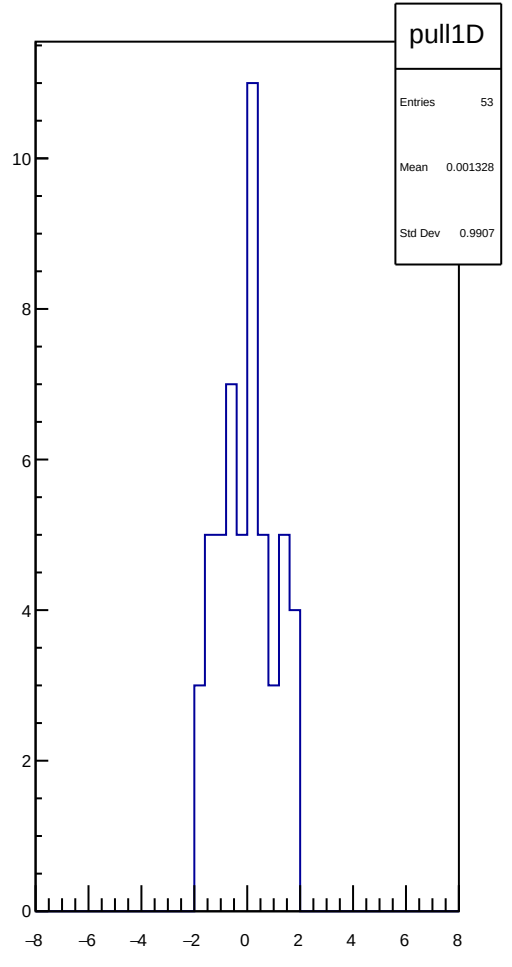

dit_asym_at2_dd_rms vs run
χ² / ndf 89.15 / 52
p0 1625 ± 1.624
1680
1660
1640
1620
1600
1580

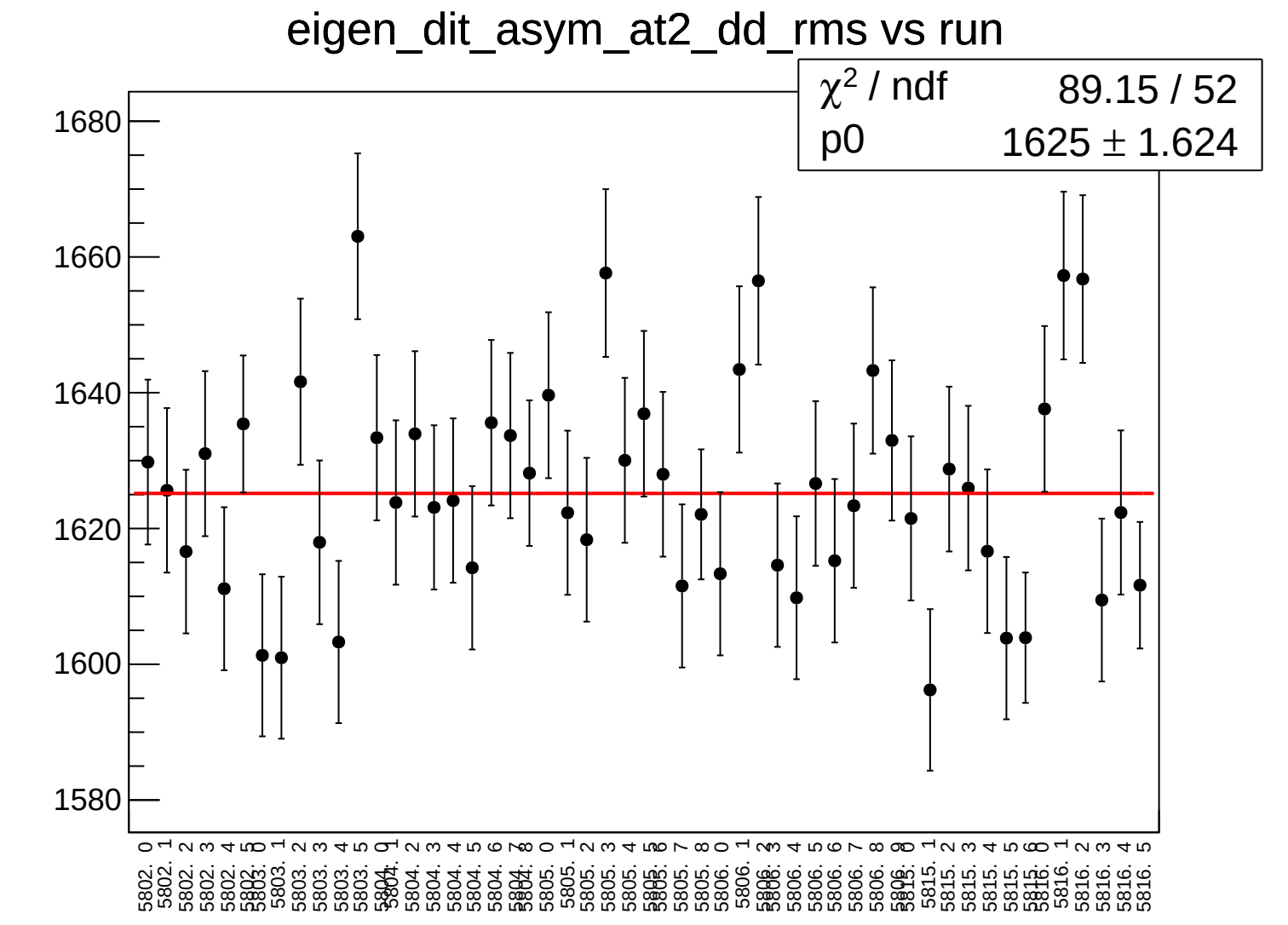

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 66.78 / 52
p0 −1188 ± 2588
pull
Entries 53
Mean −74.85
Std Dev 0

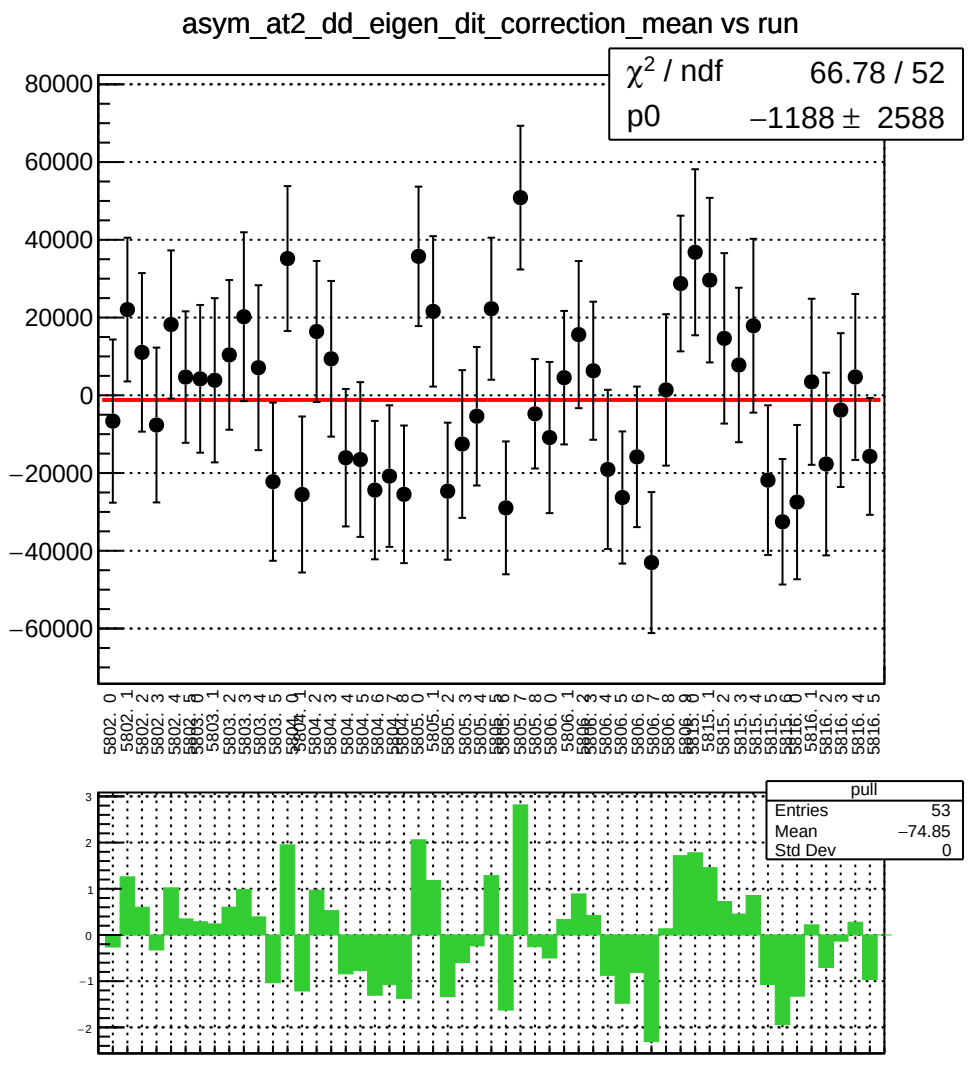

pull1D
Entries 53
Mean 0.02681
Std Dev 1.122

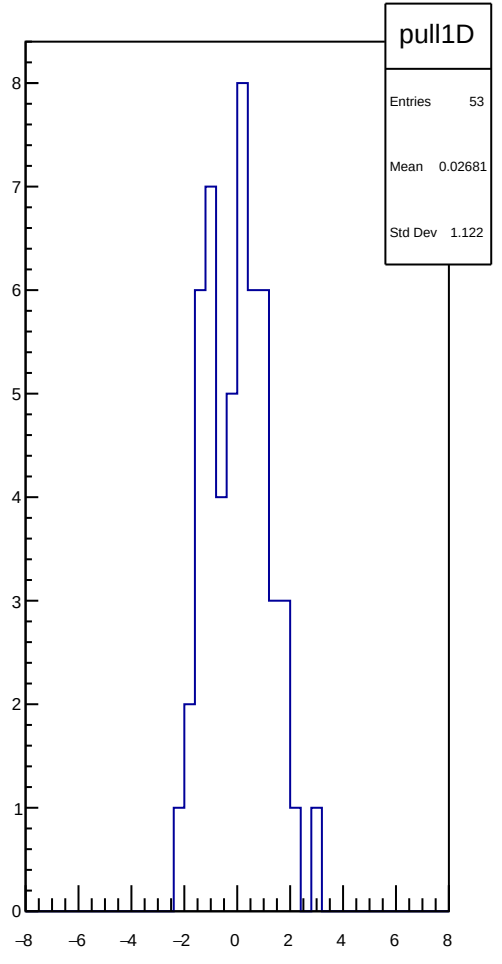

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 5388 / 52
p0 1827 ± 1.83
2300
2200
2100
2000
1900
1800
1700
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

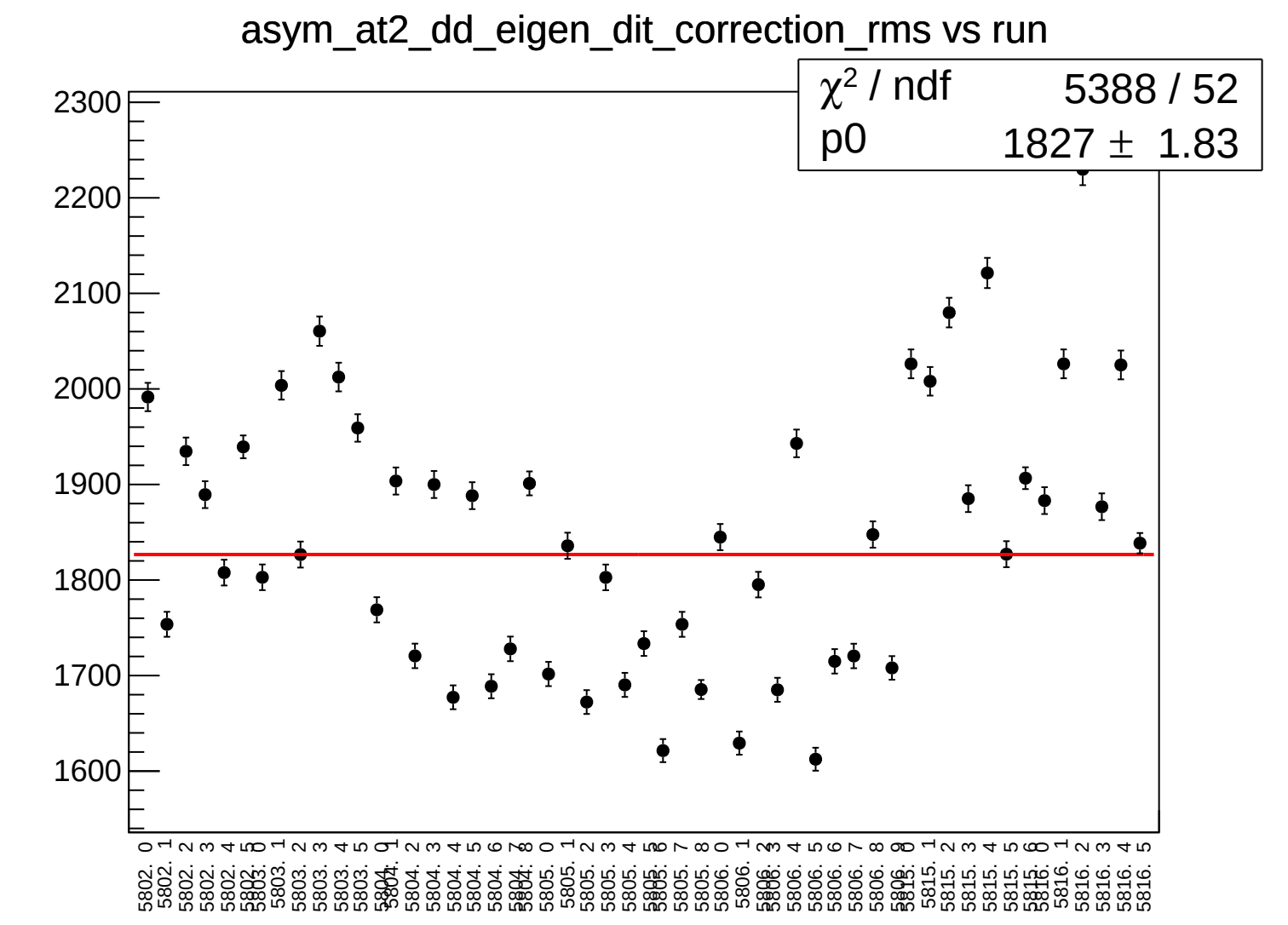

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 52.02 / 52
p0 1704 ± 2297
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −1953
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

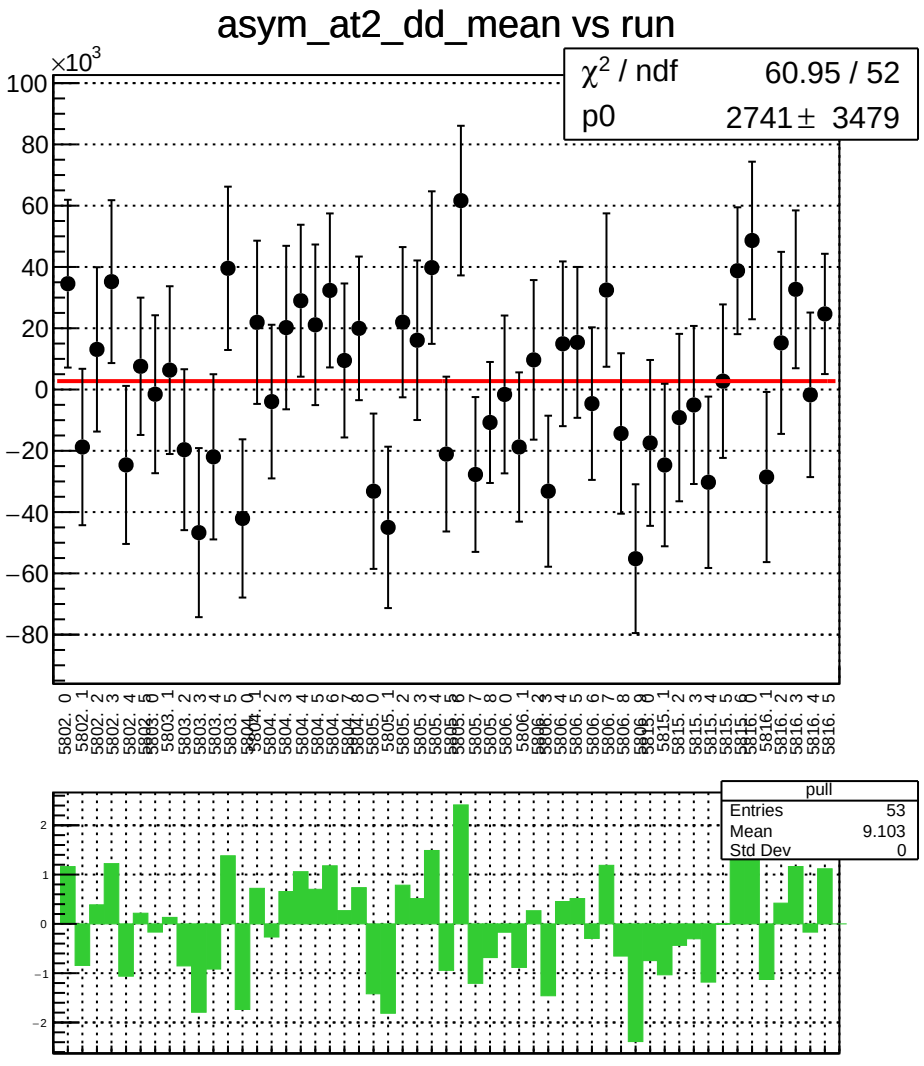

pull1D
Entries 53
Mean 0.001328
Std Dev 0.9907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

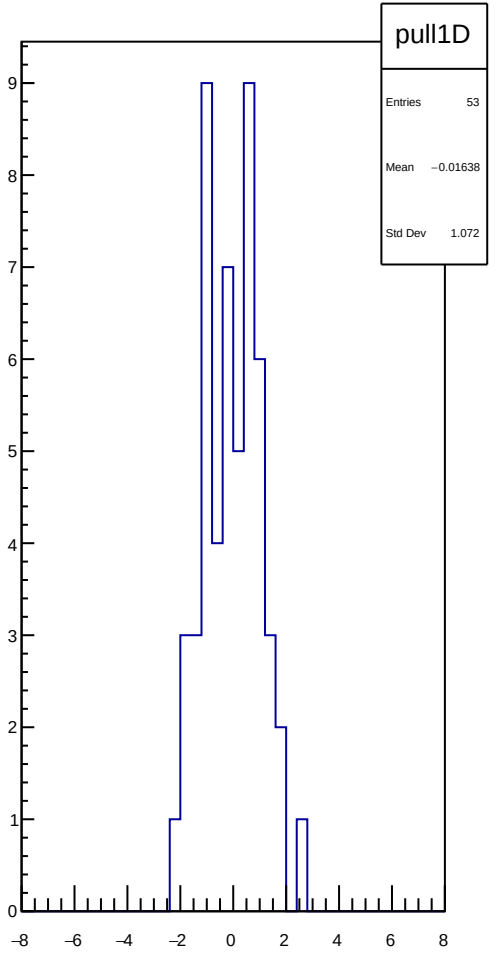

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 89.15 / 52
p0 1625 ± 1.624
1680
1660
1640
1620
1600
1580

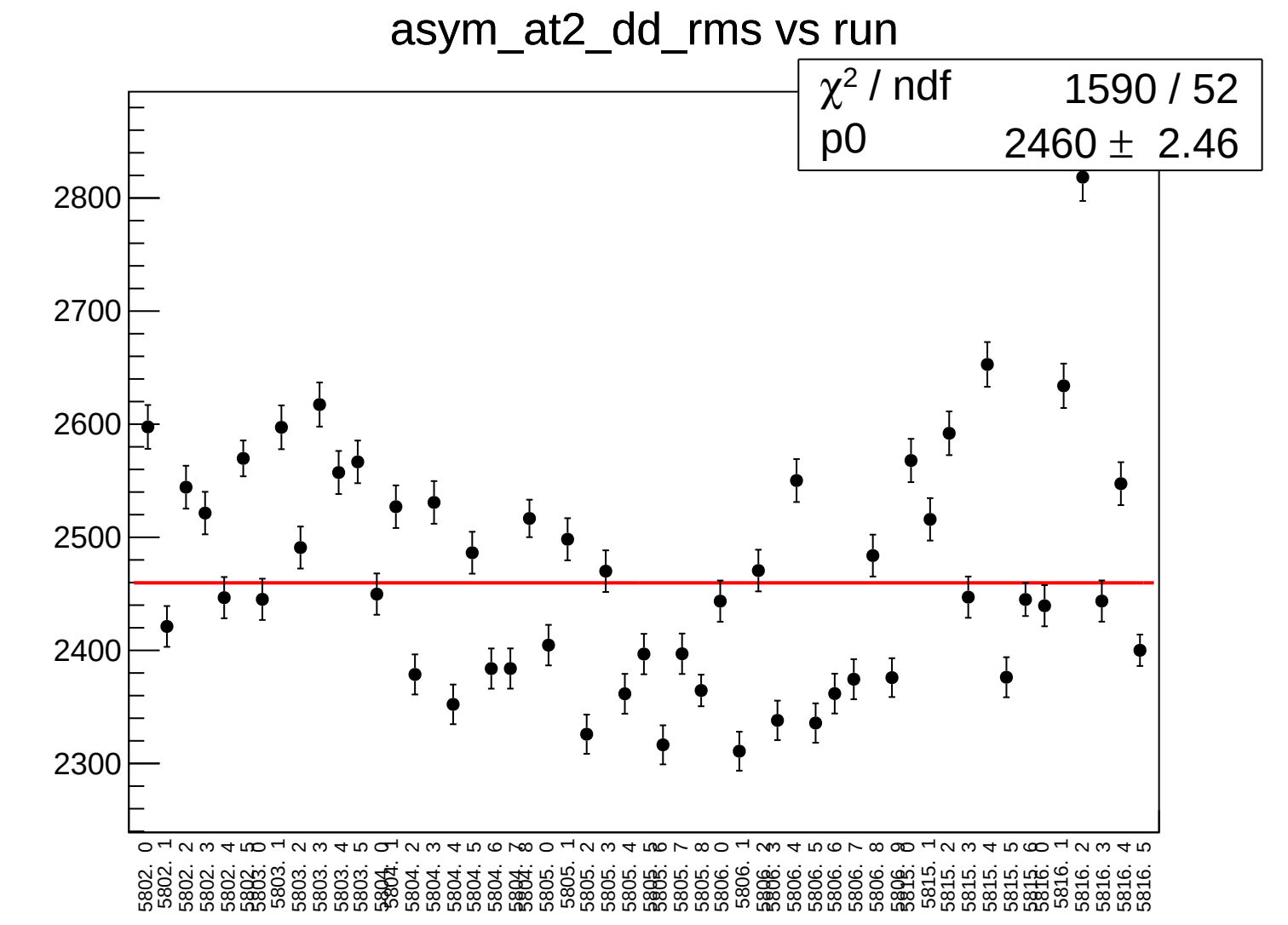

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.78 / 52
p0 −1188 ± 2588
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −74.85
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02681
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5388 / 52
p0 1827 ± 1.83
2300
2200
2100
2000
1900
1800
1700
1600


asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 60.95 / 52
p0 2741 ± 3479
pull
Entries 53
Mean 9.103
Std Dev 0


pull1D
Entries 53
Mean −0.01638
Std Dev 1.072


asym_at2_dd_rms vs run
χ² / ndf 1590 / 52
p0 2460 ± 2.46
2800
2700
2600
2500
2400
2300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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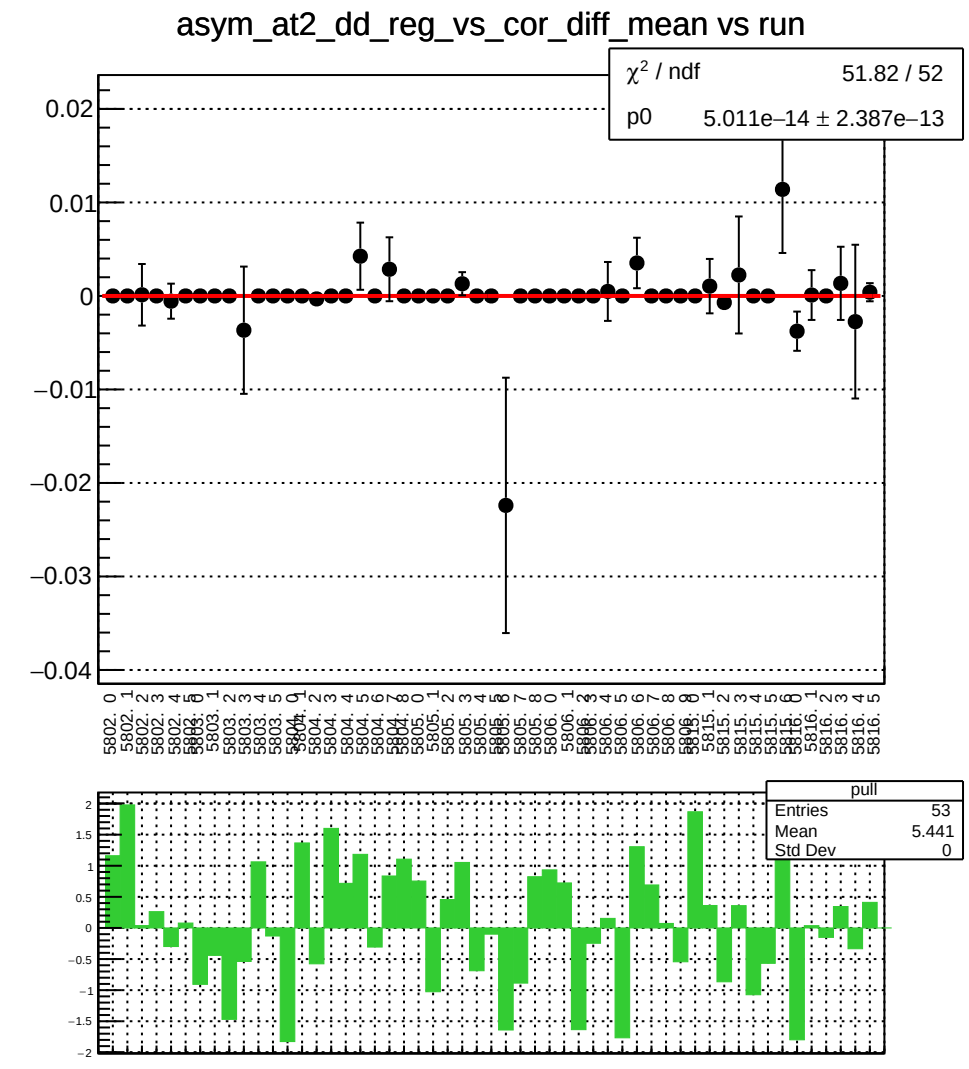
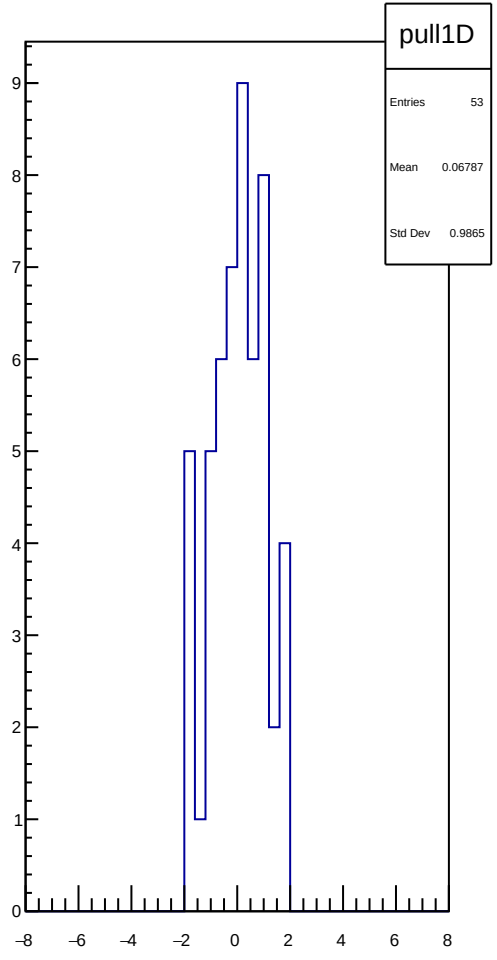
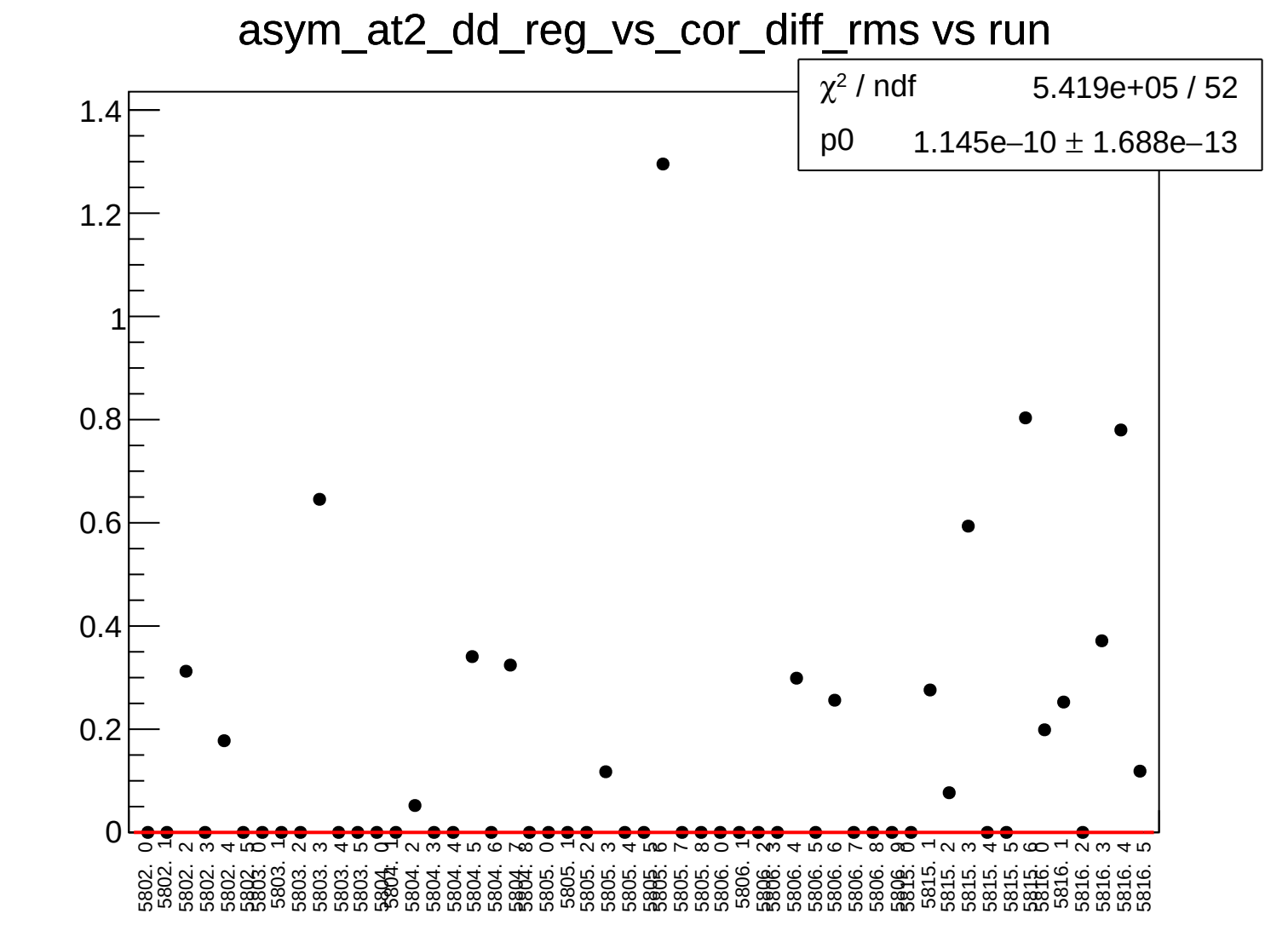
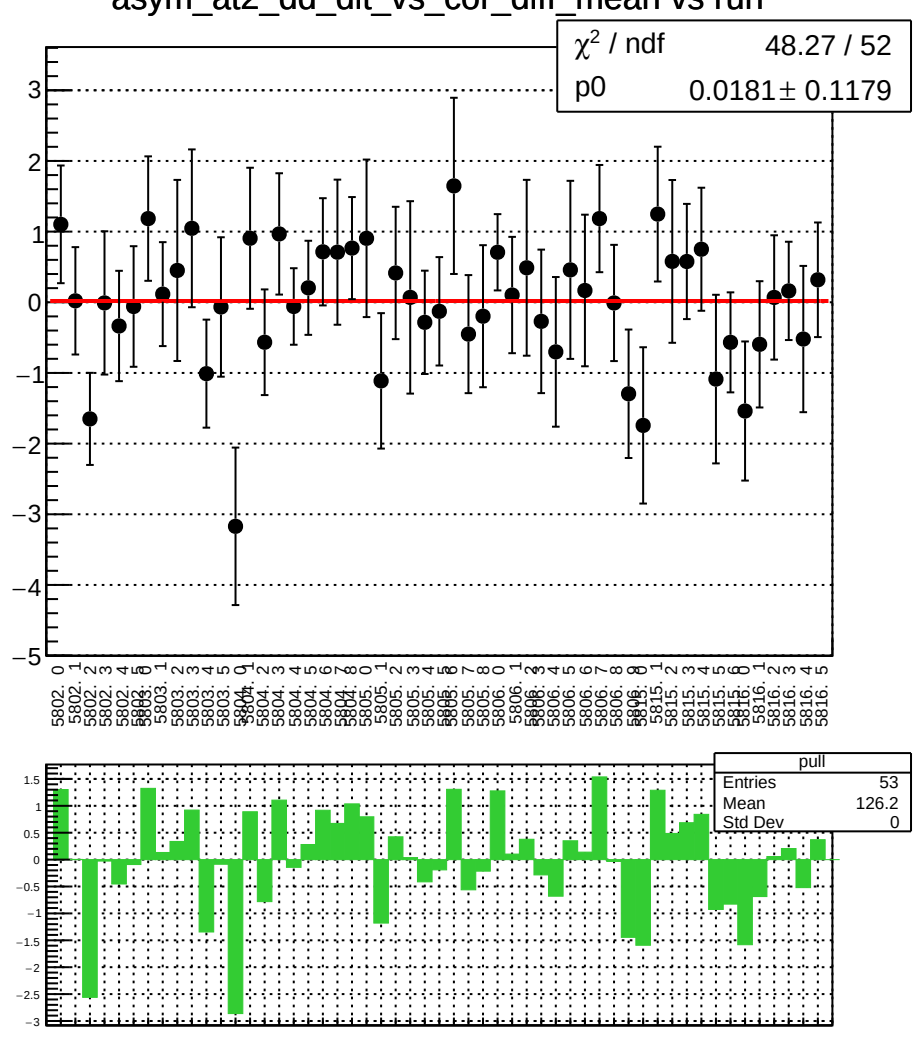
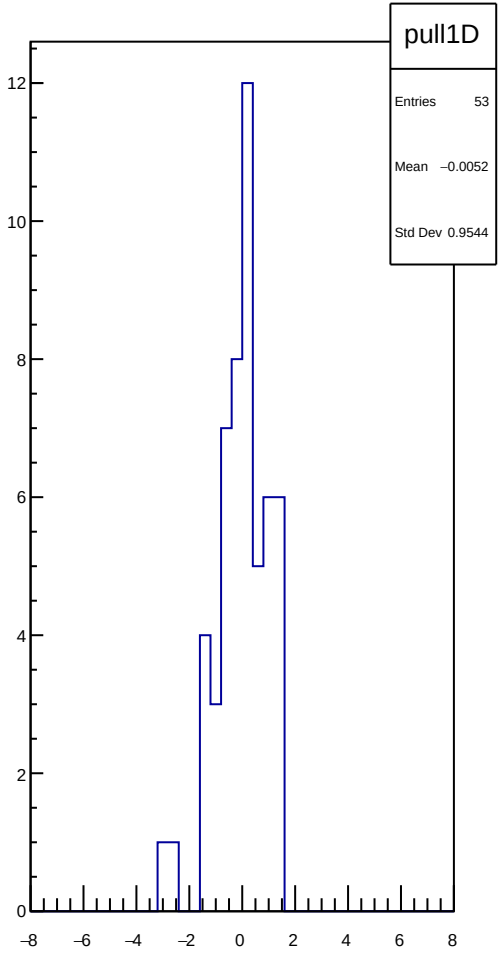
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

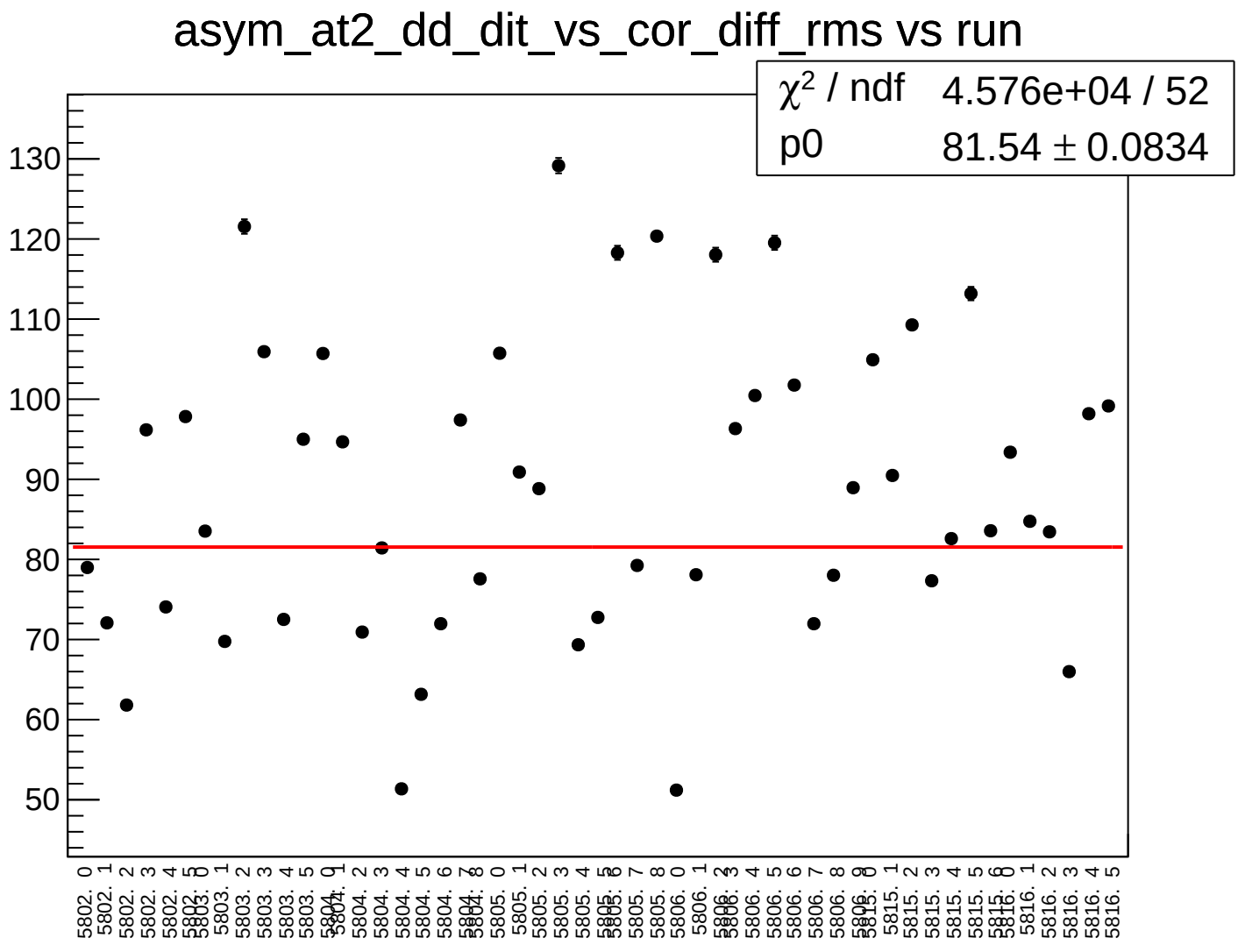

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.82 / 52
p0 5.011e−14 ± 2.387e−13
pull
Entries 53
Mean 5.441
Std Dev 0

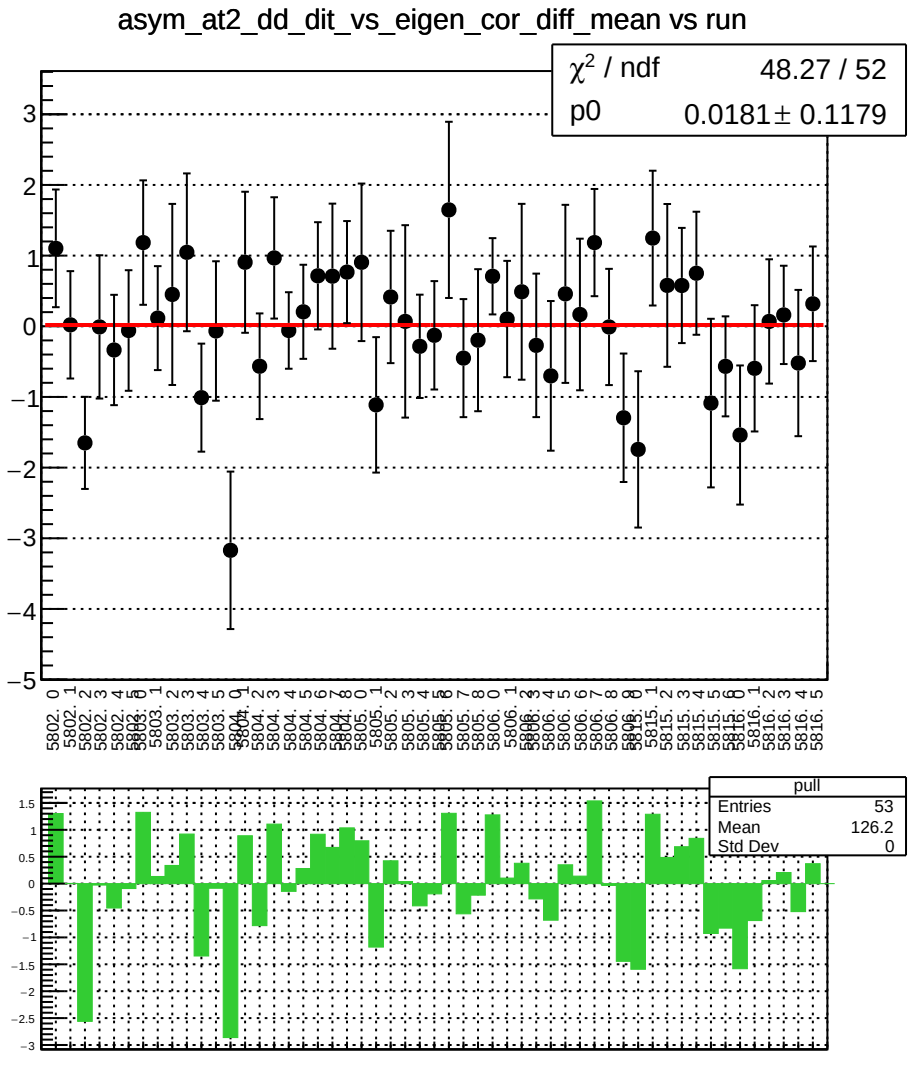

pull1D
Entries 53
Mean 0.06787
Std Dev 0.9865

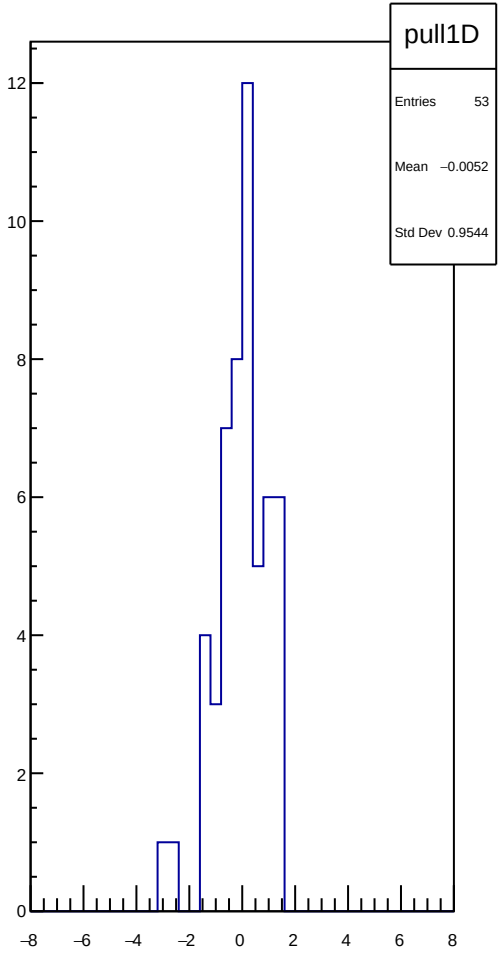

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.419e+05 / 52
p0 1.145e−10 ± 1.688e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

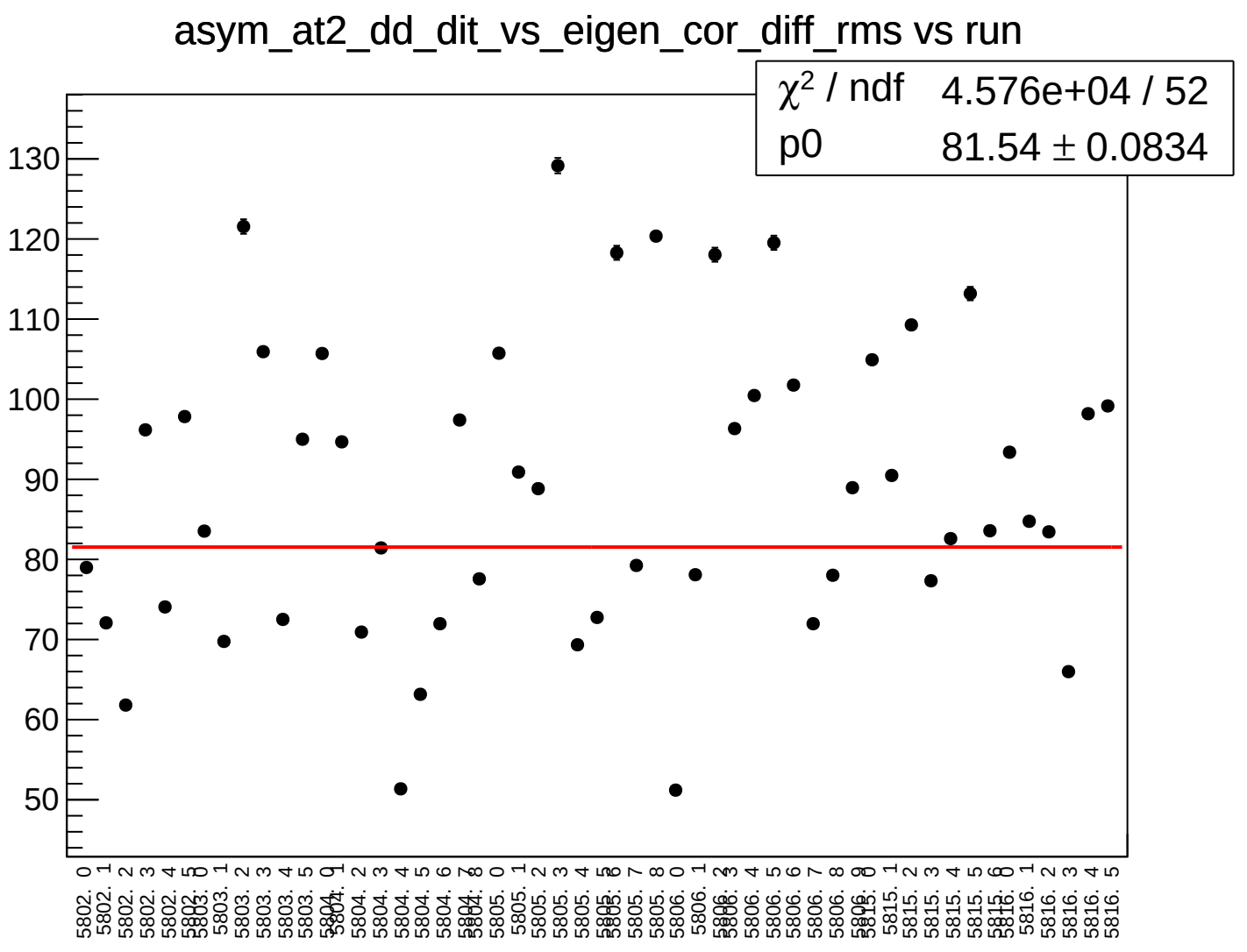

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.27 / 52
p0 0.0181 ± 0.1179
pull
Entries 53
Mean 126.2
Std Dev 0

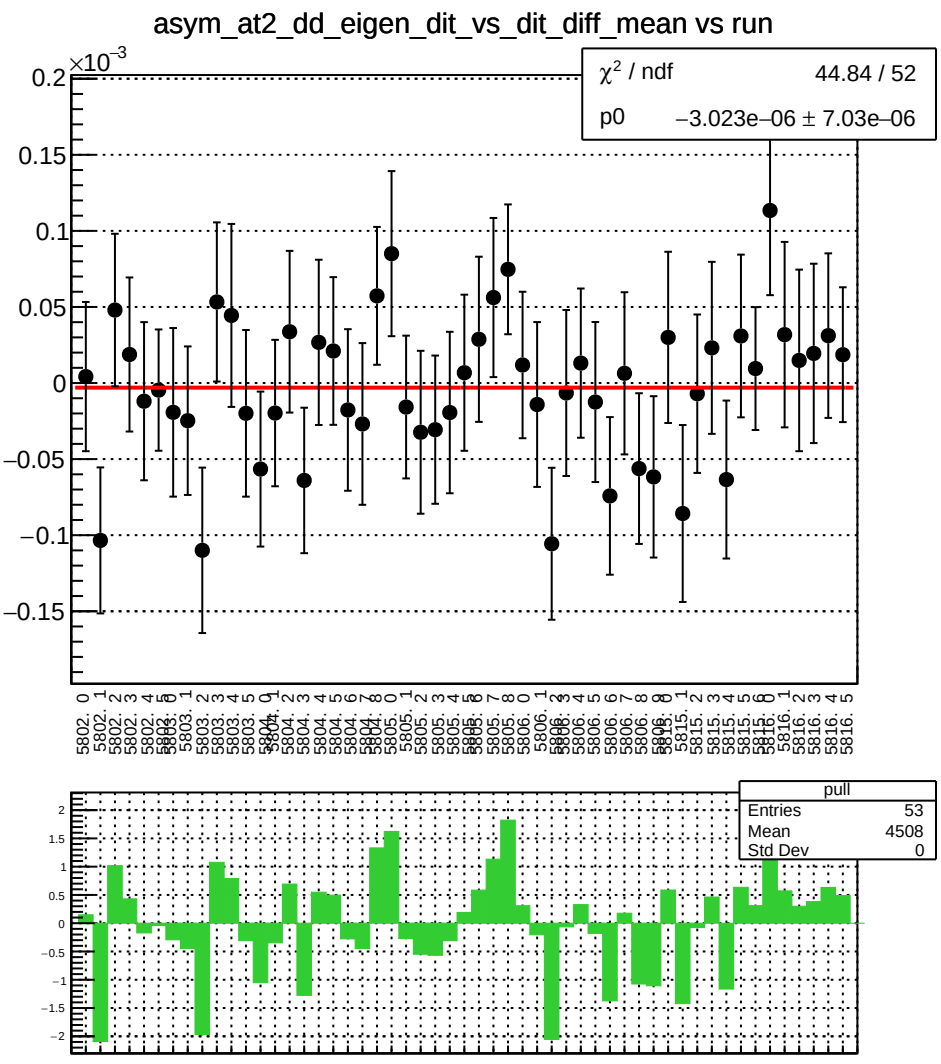

pull1D
Entries 53
Mean −0.0052
Std Dev 0.9544

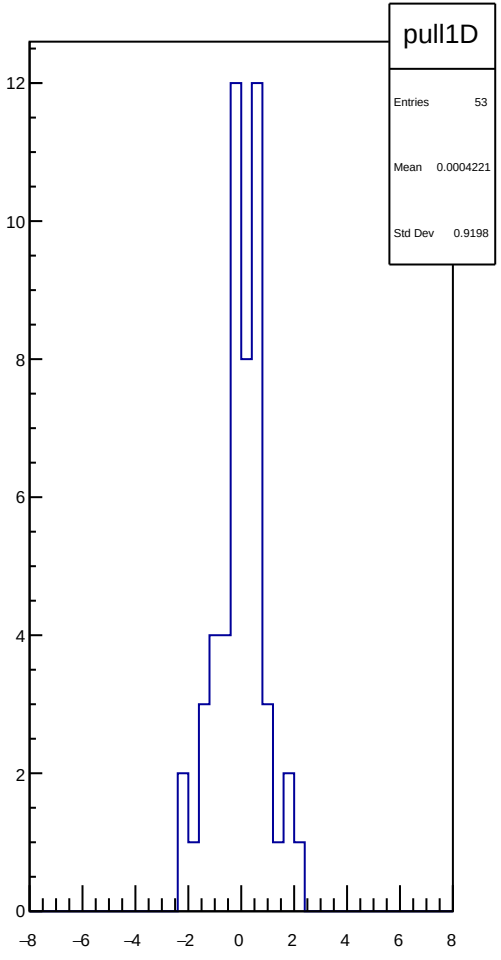

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 81.54 ± 0.0834
130
120
110
100
90
80
70
60
50

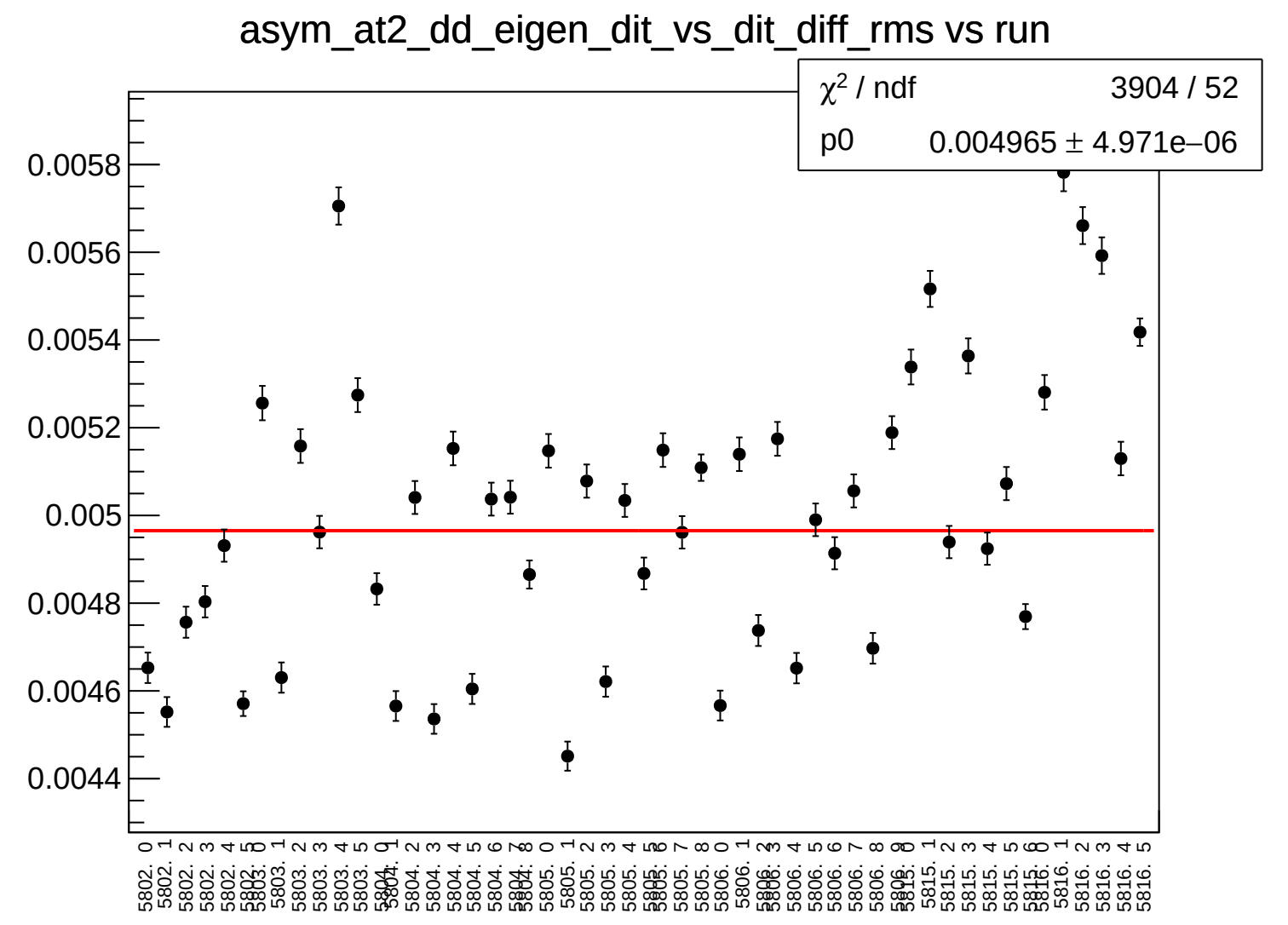

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.27 / 52
p0 0.0181 ± 0.1179
pull
Entries 53
Mean 126.2
Std Dev 0

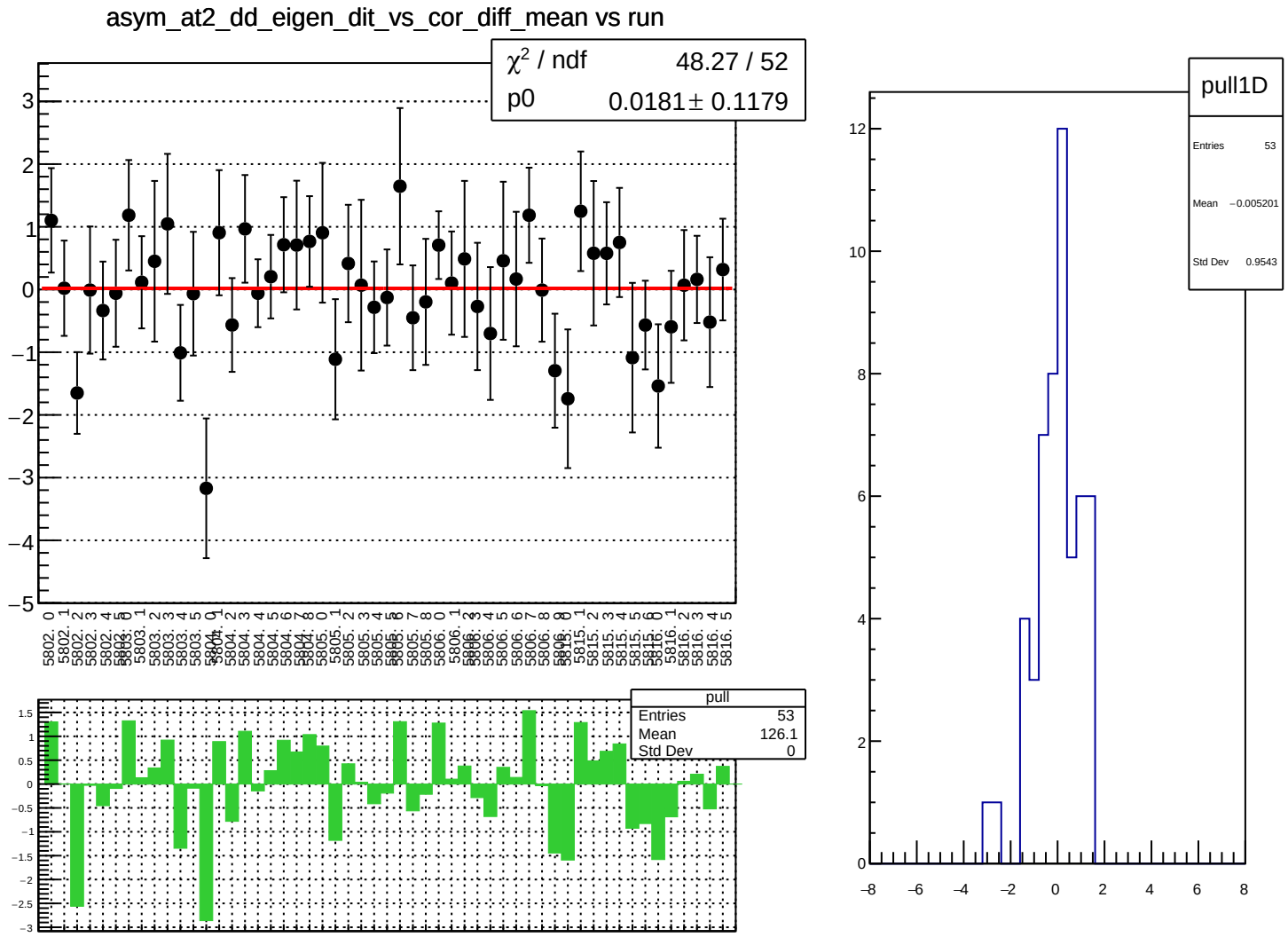

pull1D
Entries 53
Mean −0.0052
Std Dev 0.9544

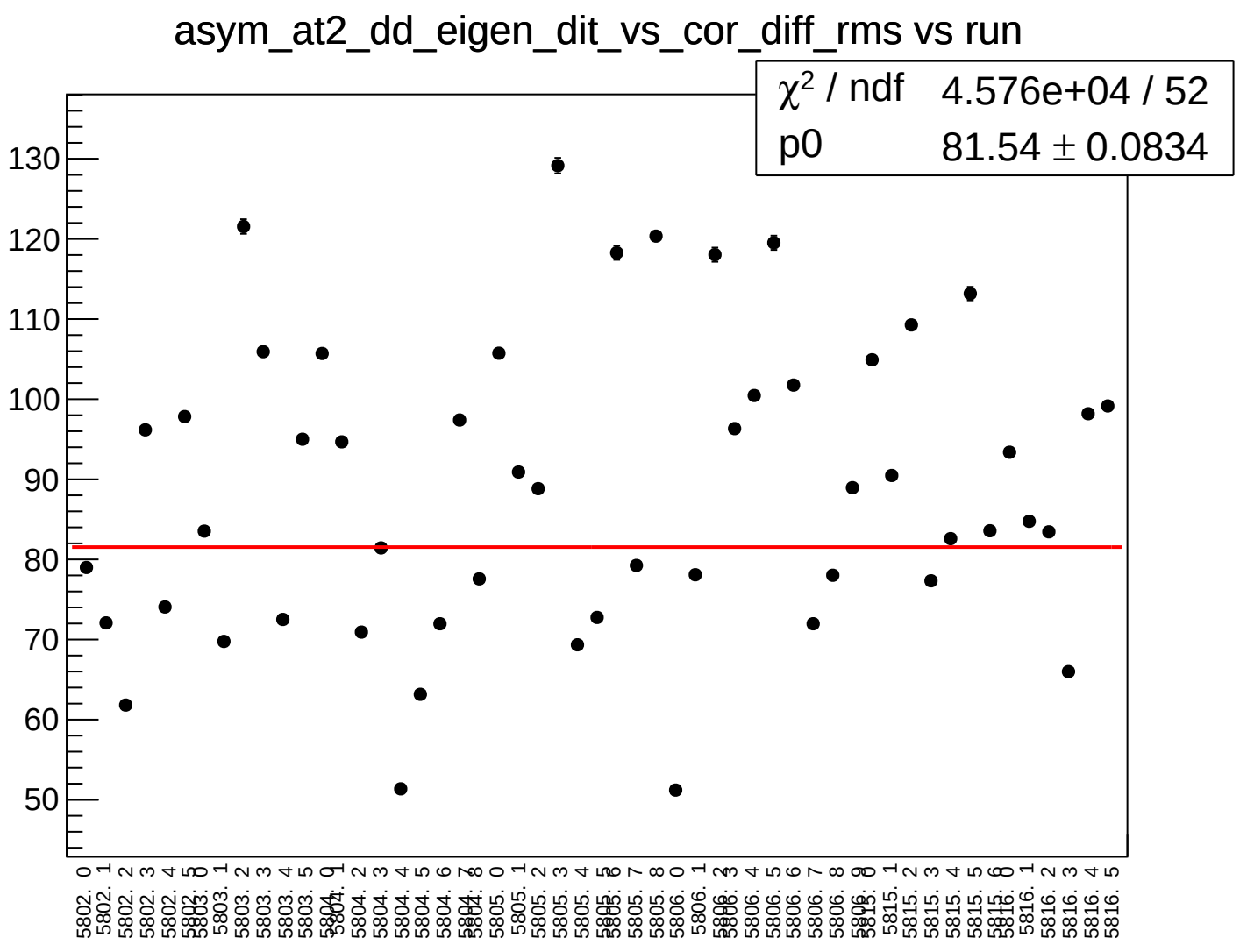

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 81.54 ± 0.0834
130
120
110
100
90
80
70
60
50

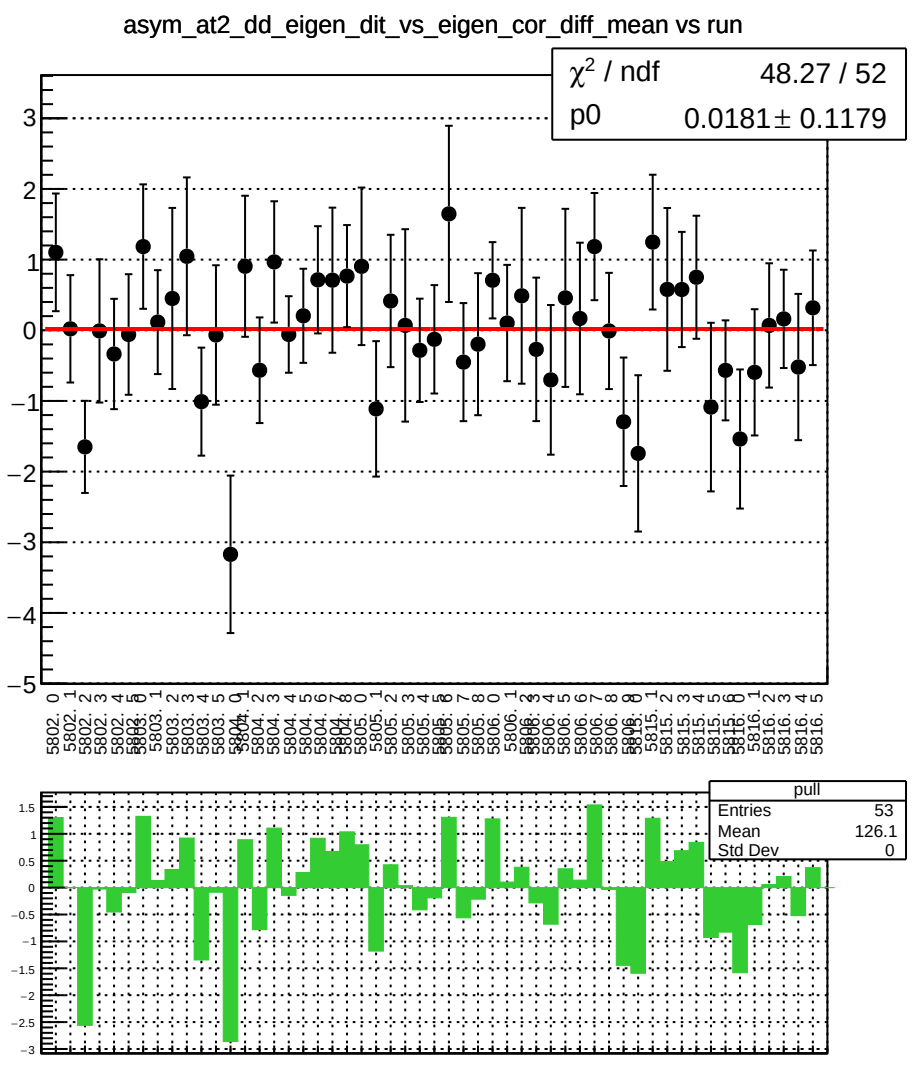

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 44.84 / 52
p0 −3.023e−06 ± 7.03e−06
pull
Entries 53
Mean 4508
Std Dev 0

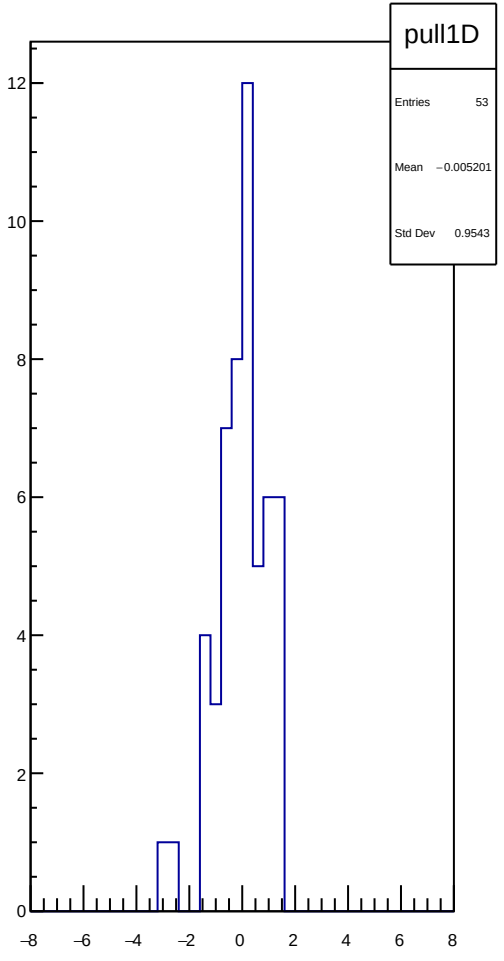

pull1D
Entries 53
Mean 0.0004221
Std Dev 0.9198

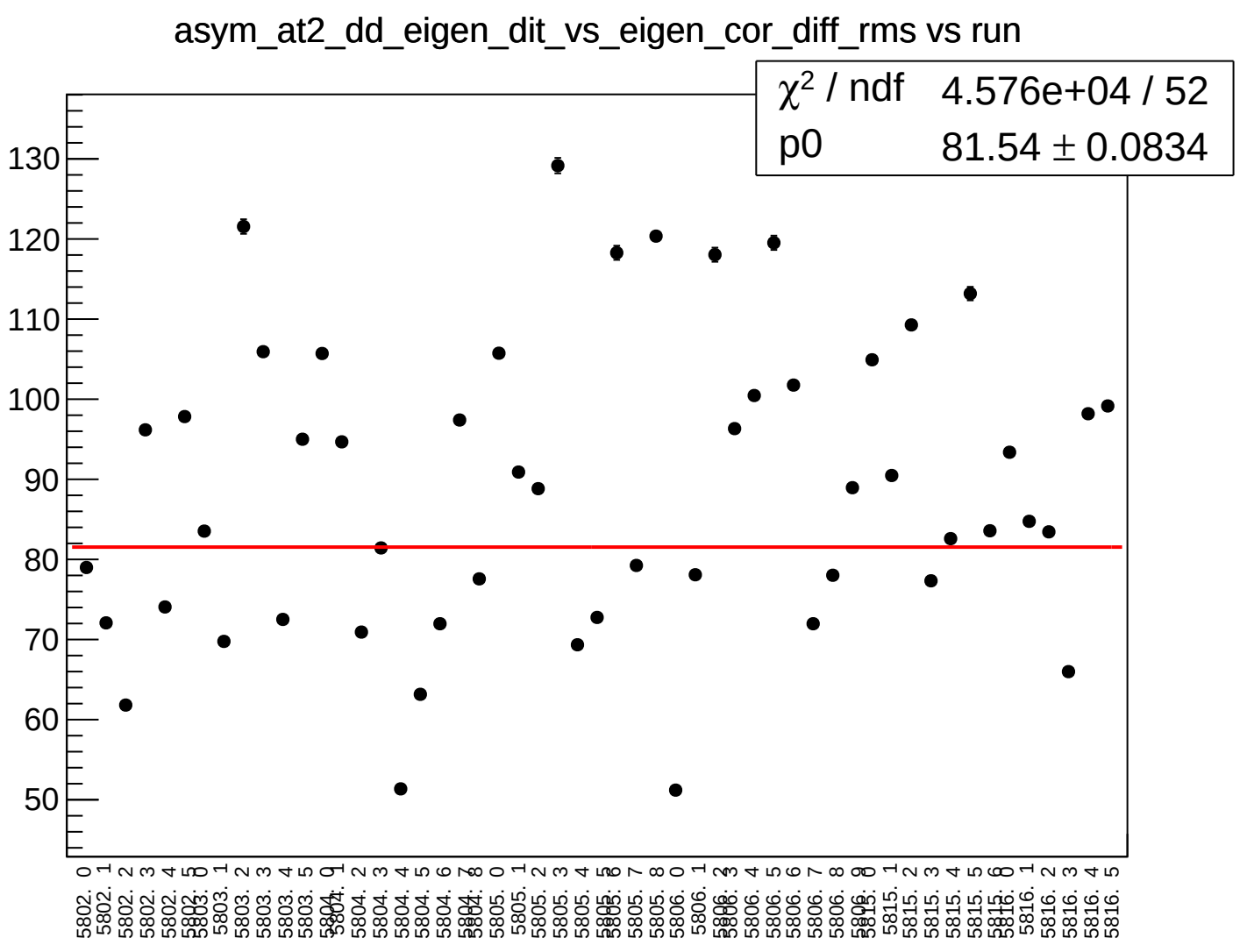

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3904 / 52
p0 0.004965 ± 4.971e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044


asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.27 / 52
p0 0.0181 ± 0.1179
pull
Entries 53
Mean 126.1
Std Dev 0
pull1D
Entries 53
Mean −0.005201
Std Dev 0.9543


asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 81.54 ± 0.0834
130
120
110
100
90
80
70
60
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.27 / 52
p0 0.0181 ± 0.1179
pull
Entries 53
Mean 126.1
Std Dev 0


pull1D
Entries 53
Mean −0.005201
Std Dev 0.9543


asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 81.54 ± 0.0834
130
120
110
100
90
80
70
60
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
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5806. 4
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5806. 7
5806. 8
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5815. 5
5816. 1
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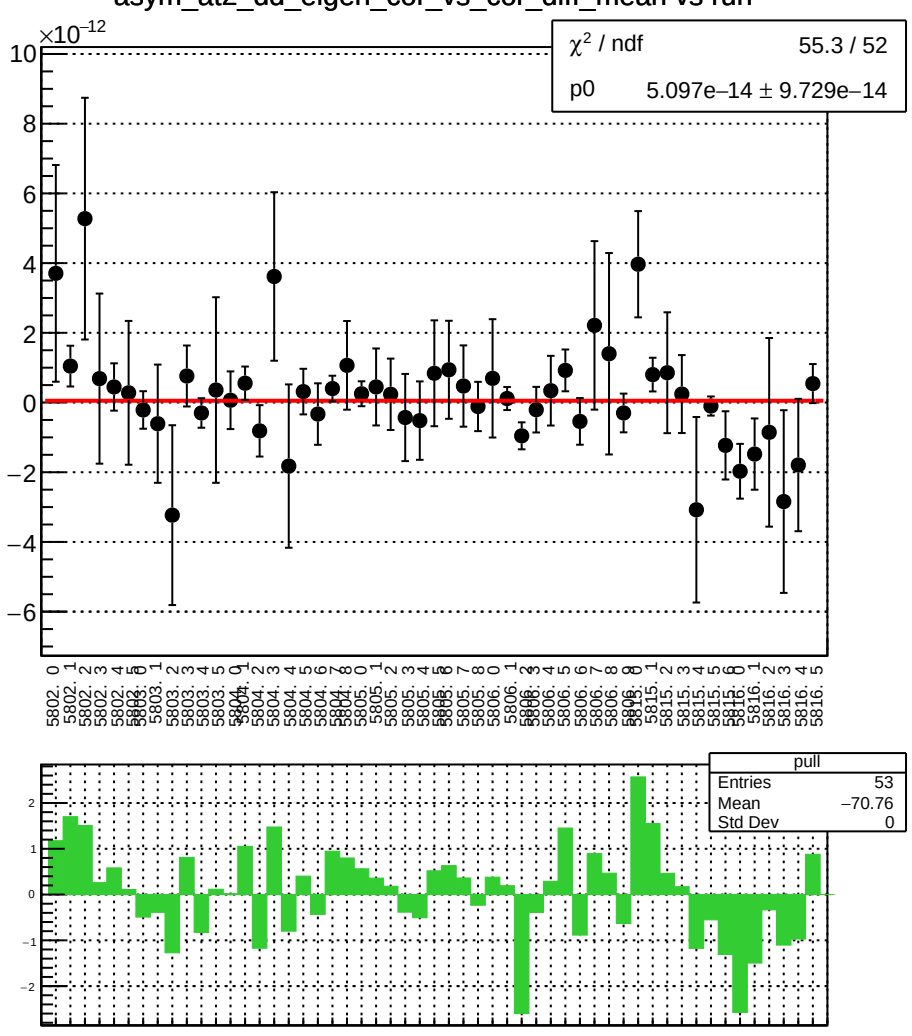
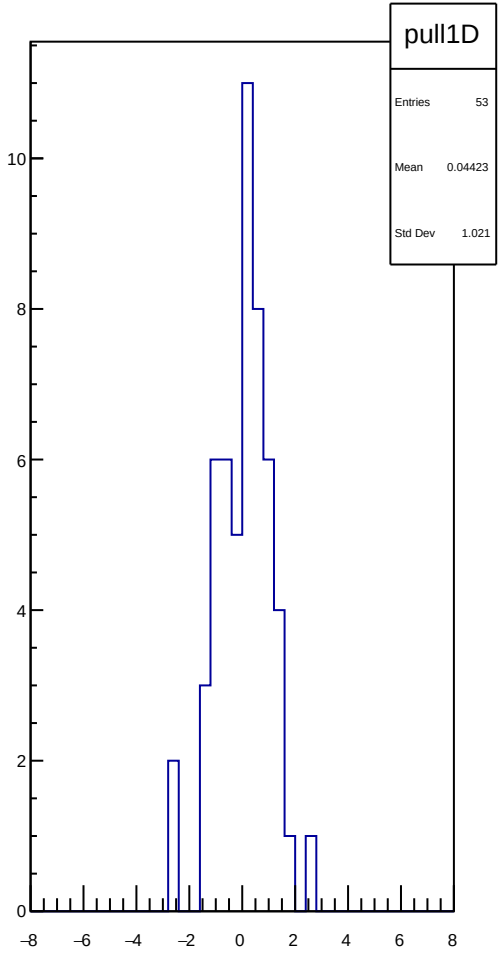
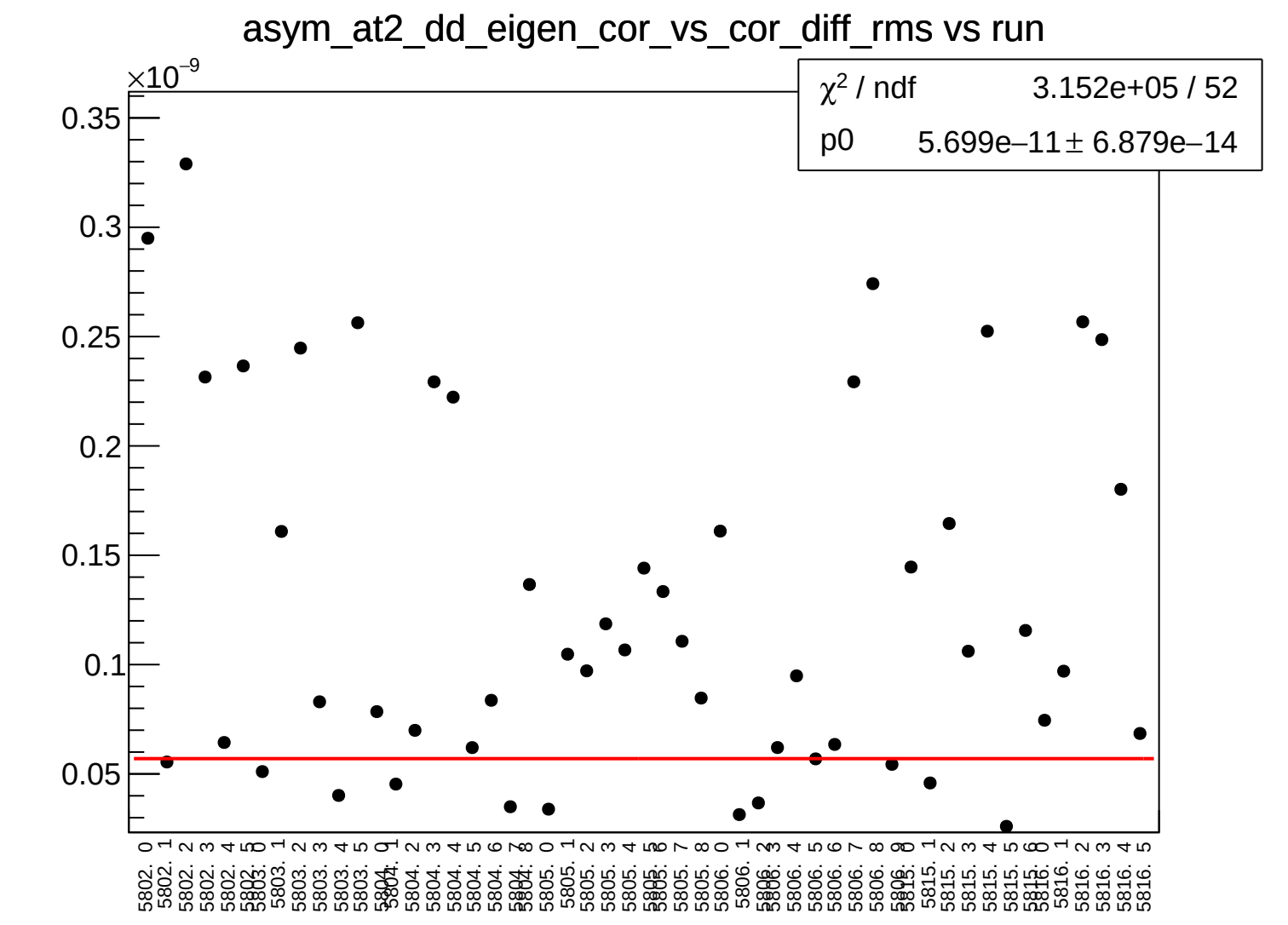
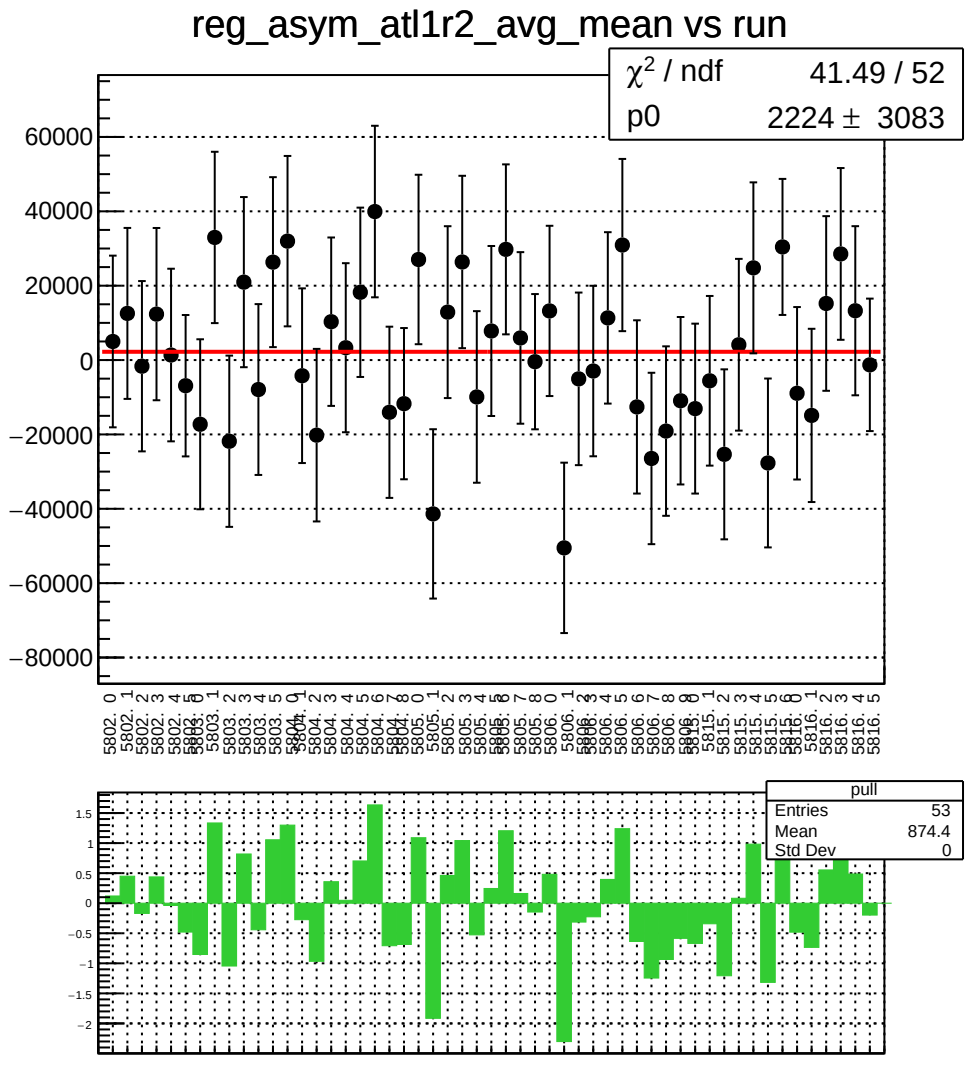
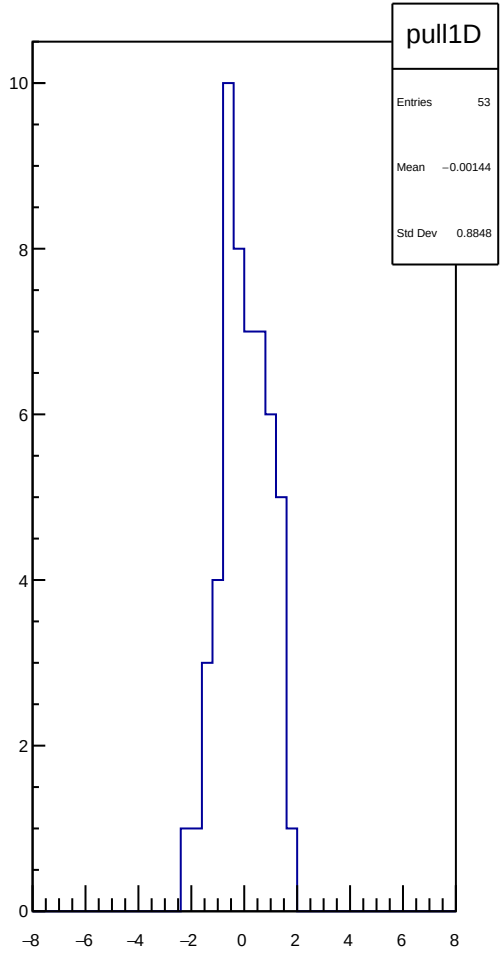
5816. 4
5816. 5

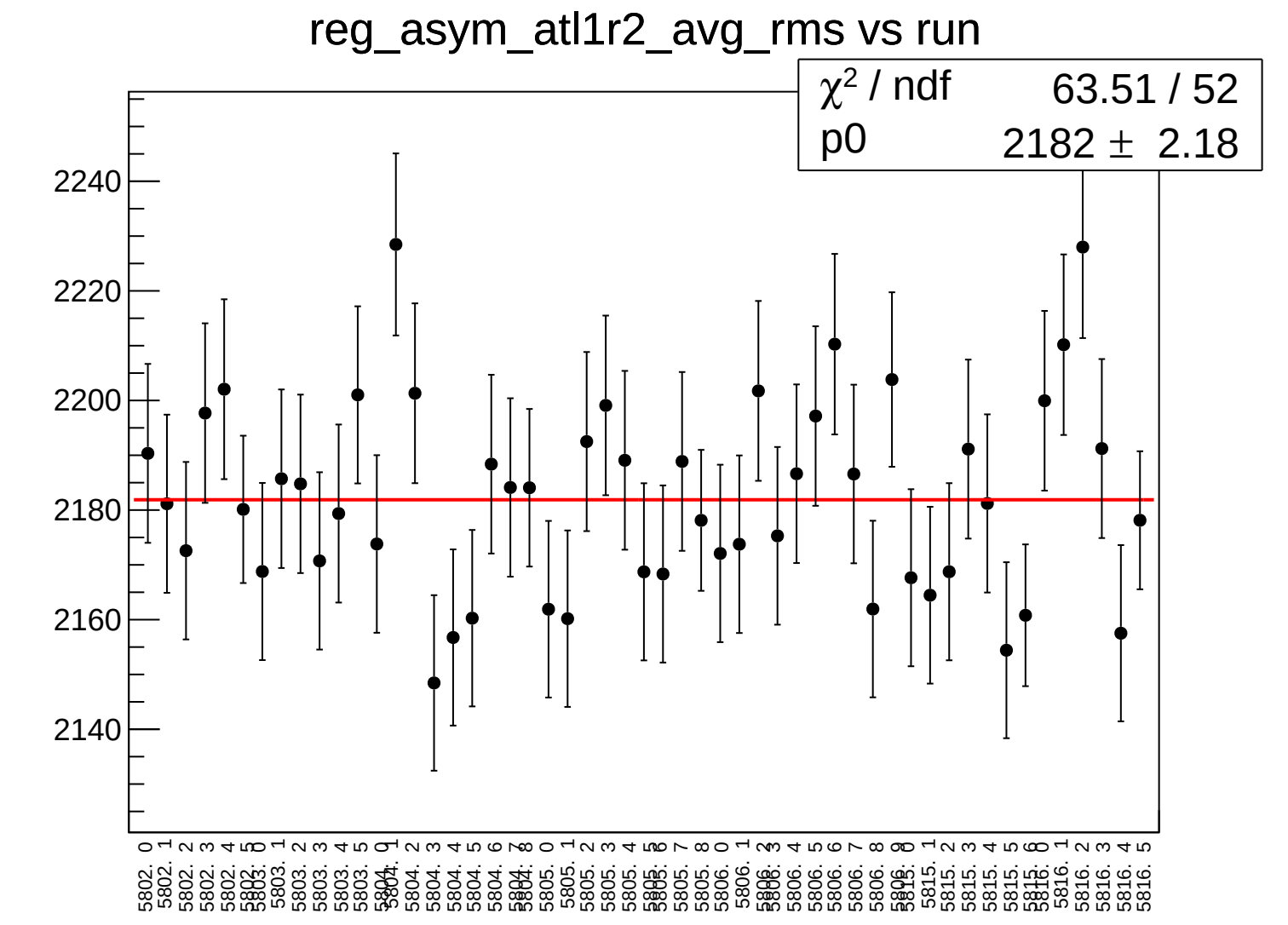

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.3 / 52
p0 5.097e−14 ± 9.729e−14
pull
Entries 53
Mean −70.76
Std Dev 0


pull1D
Entries 53
Mean 0.04423
Std Dev 1.021


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.152e+05 / 52
p0 5.699e−11 ± 6.879e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05


reg_asym_atl1r2_avg_mean vs run
χ² / ndf 41.49 / 52
p0 2224 ± 3083
pull
Entries 53
Mean 874.4
Std Dev 0


pull1D
Entries 53
Mean −0.00144
Std Dev 0.8848


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 63.51 / 52
p0 2182 ± 2.18
2240
2220
2200
2180
2160
2140
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
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5804. 5
5804. 6
5805. 0
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5805. 2
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5805. 7
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5806. 0
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5815. 1
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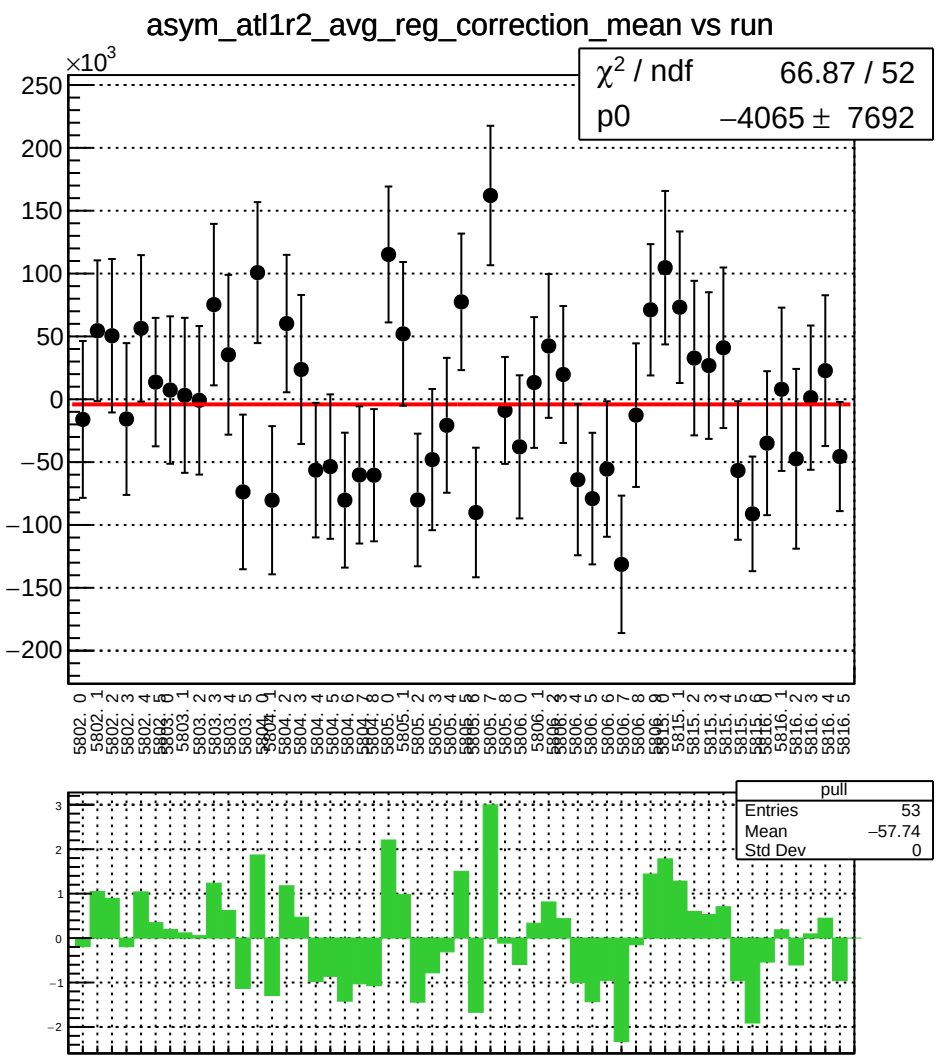
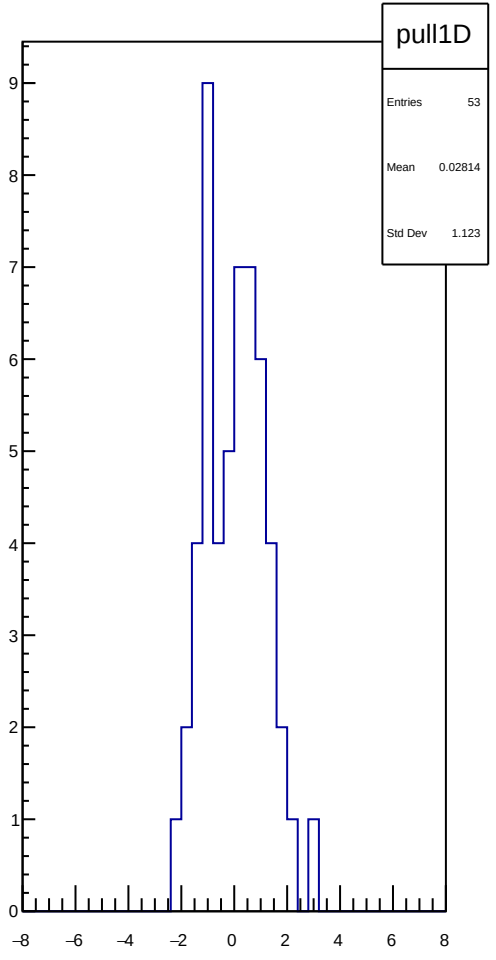
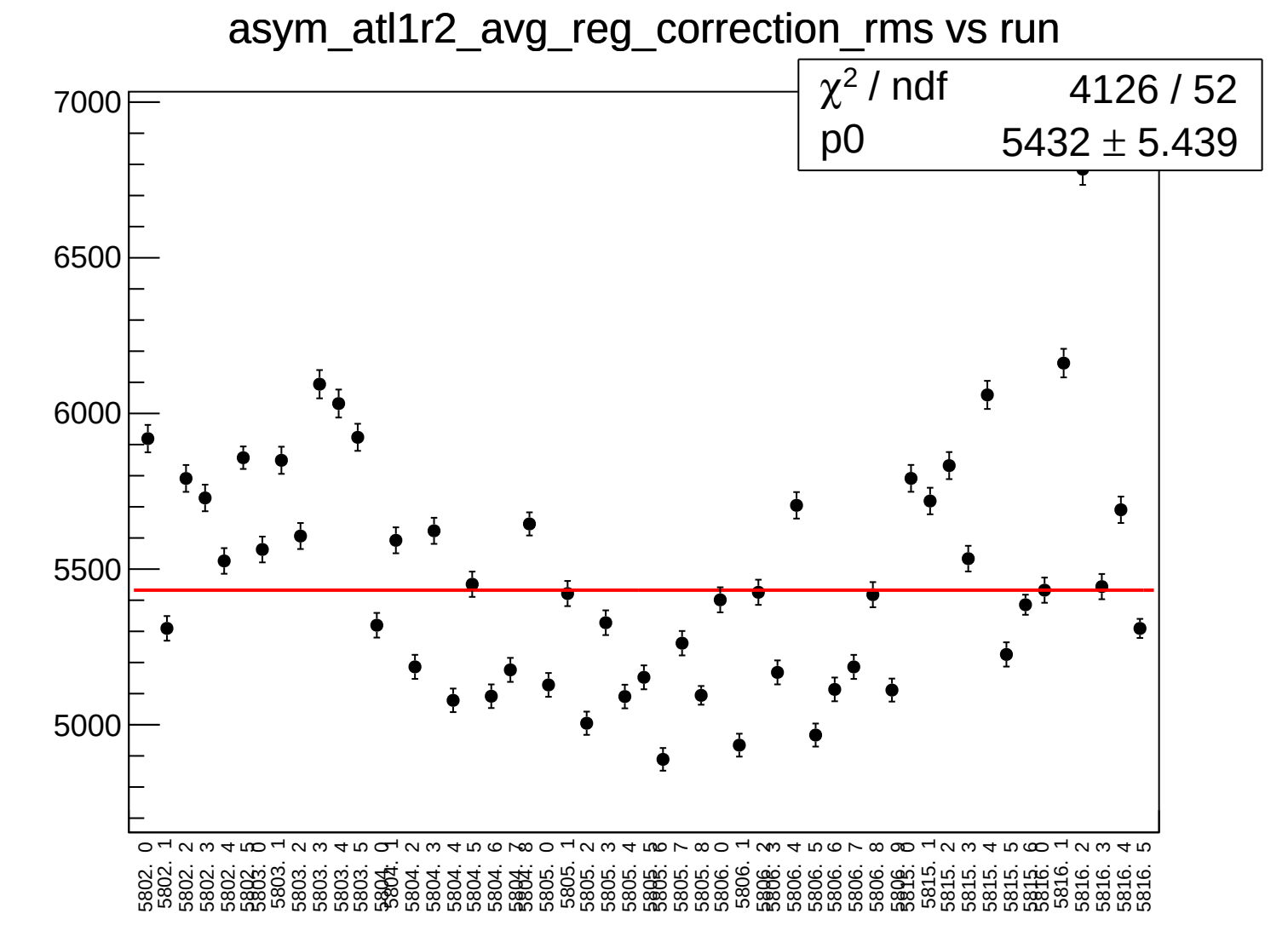
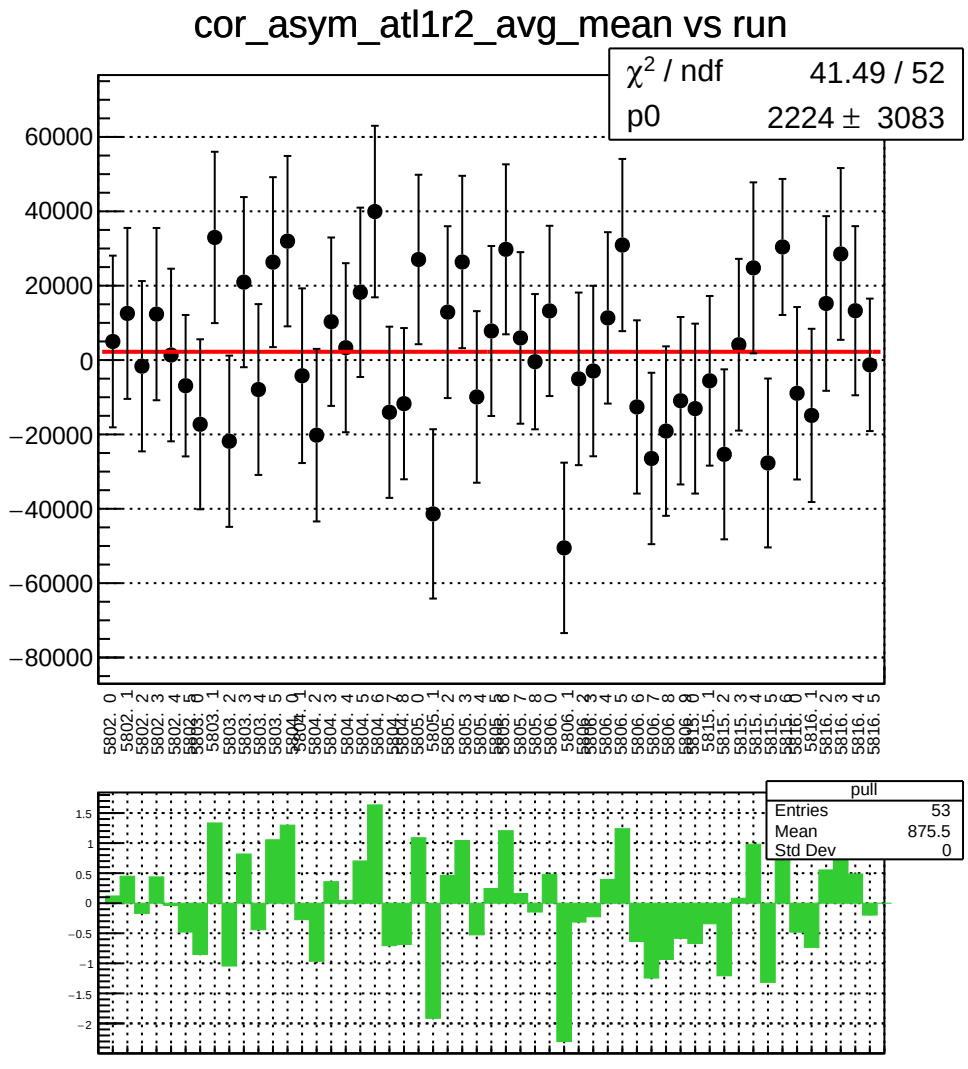
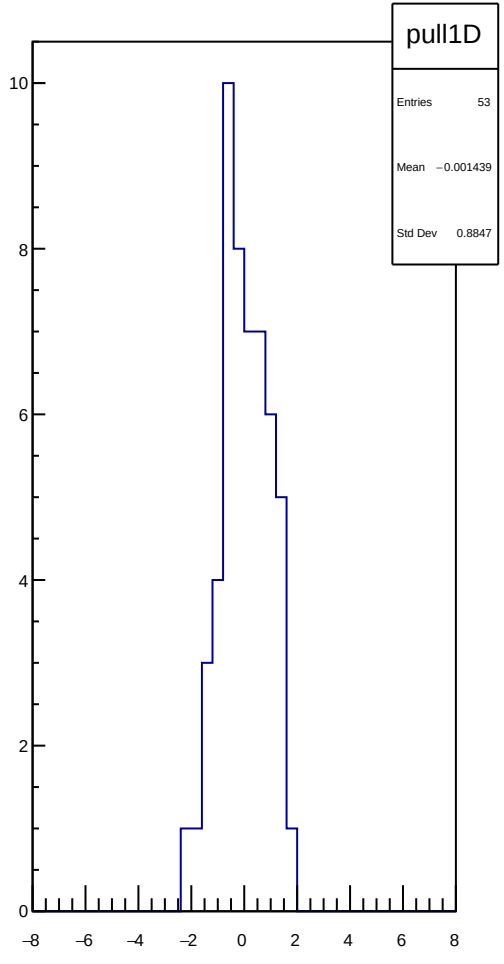
5816. 4
5816. 5

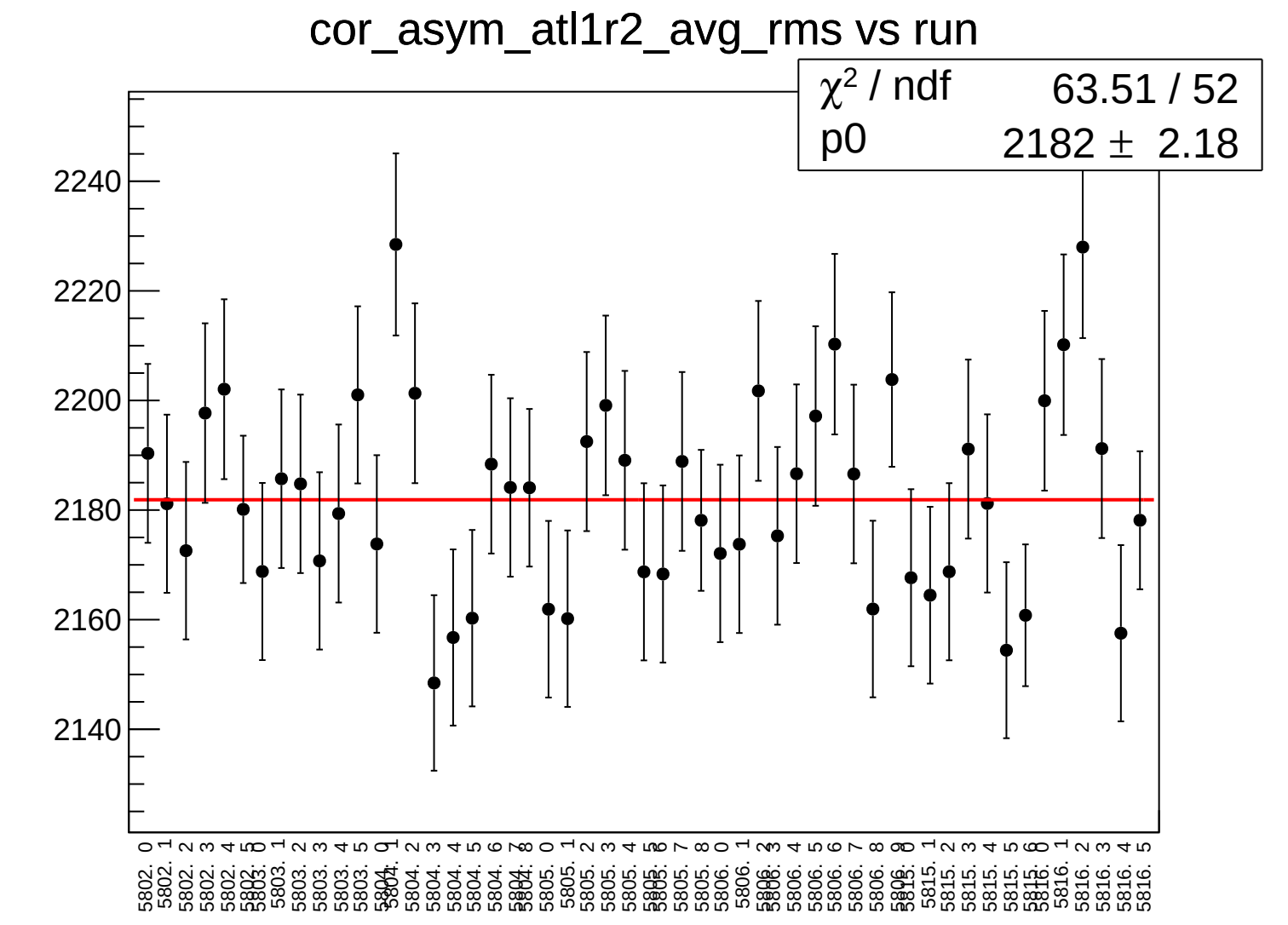

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 66.87 / 52
p0 −4065 ± 7692
250
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −57.74
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02814
Std Dev 1.123
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4126 / 52
p0 5432 ± 5.439
7000
6500
6000
5500
5000


cor_asym_atl1r2_avg_mean vs run
χ² / ndf 41.49 / 52
p0 2224 ± 3083
pull
Entries 53
Mean 875.5
Std Dev 0


pull1D
Entries 53
Mean −0.001439
Std Dev 0.8847


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 63.51 / 52
p0 2182 ± 2.18
2240
2220
2200
2180
2160
2140
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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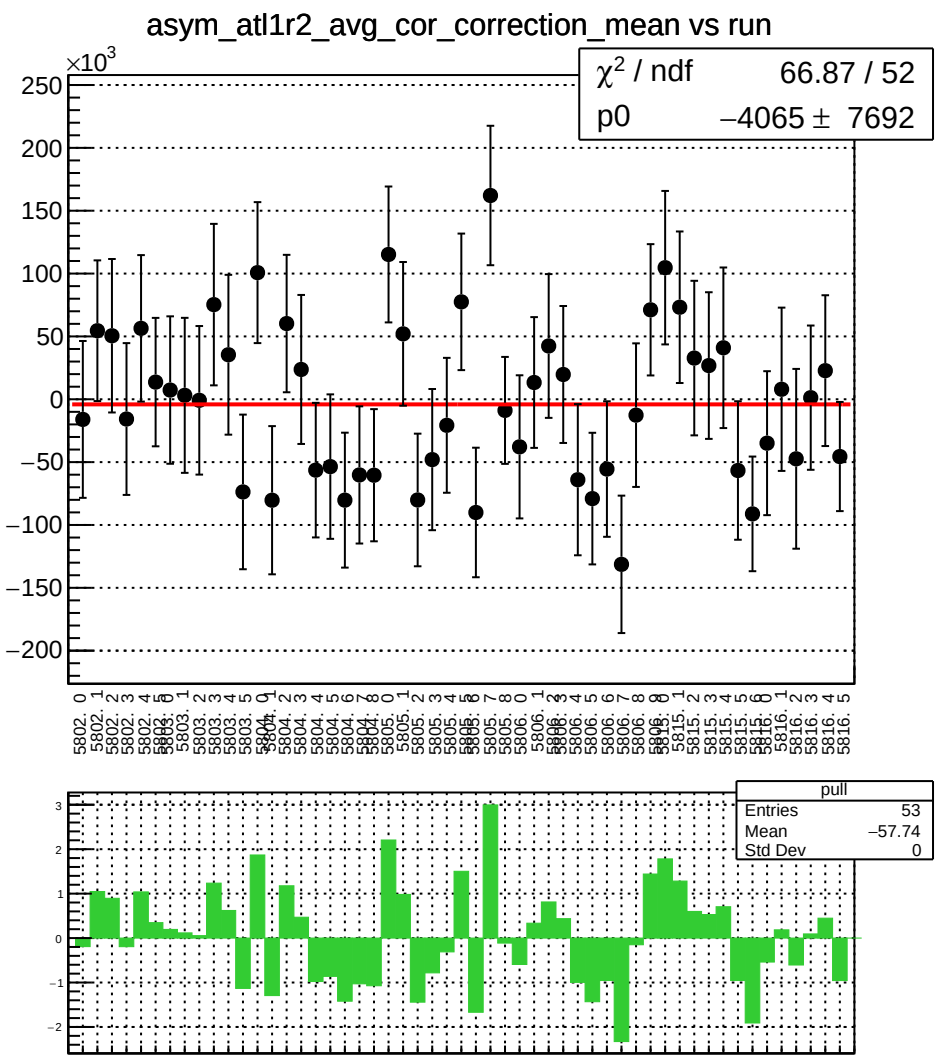
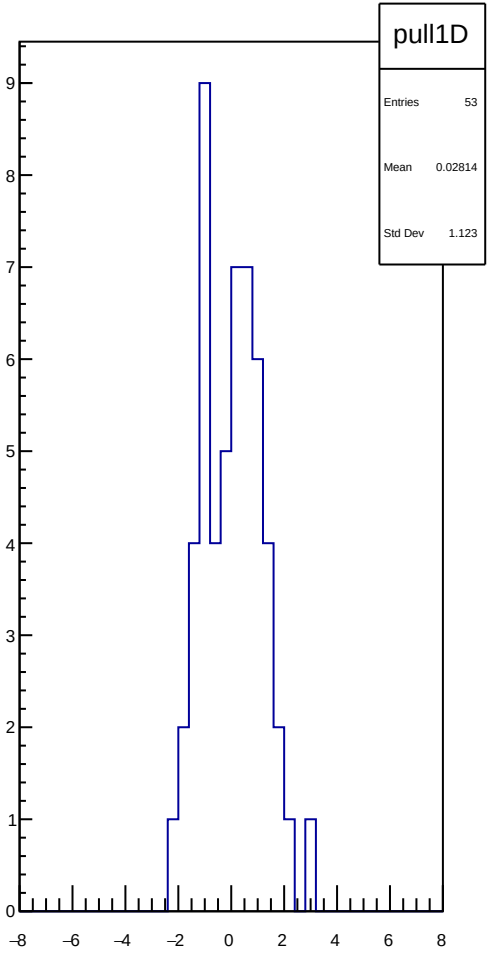
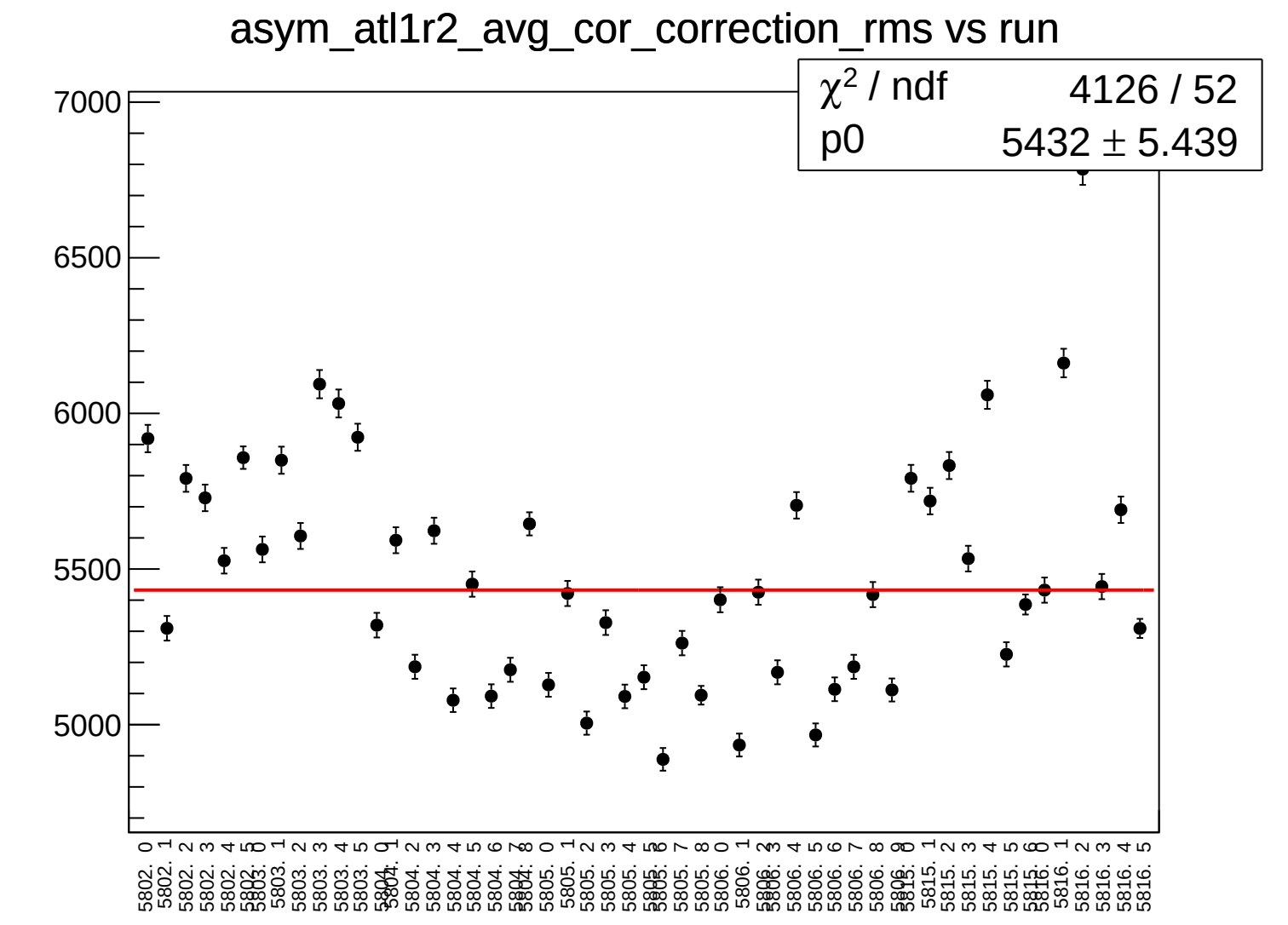
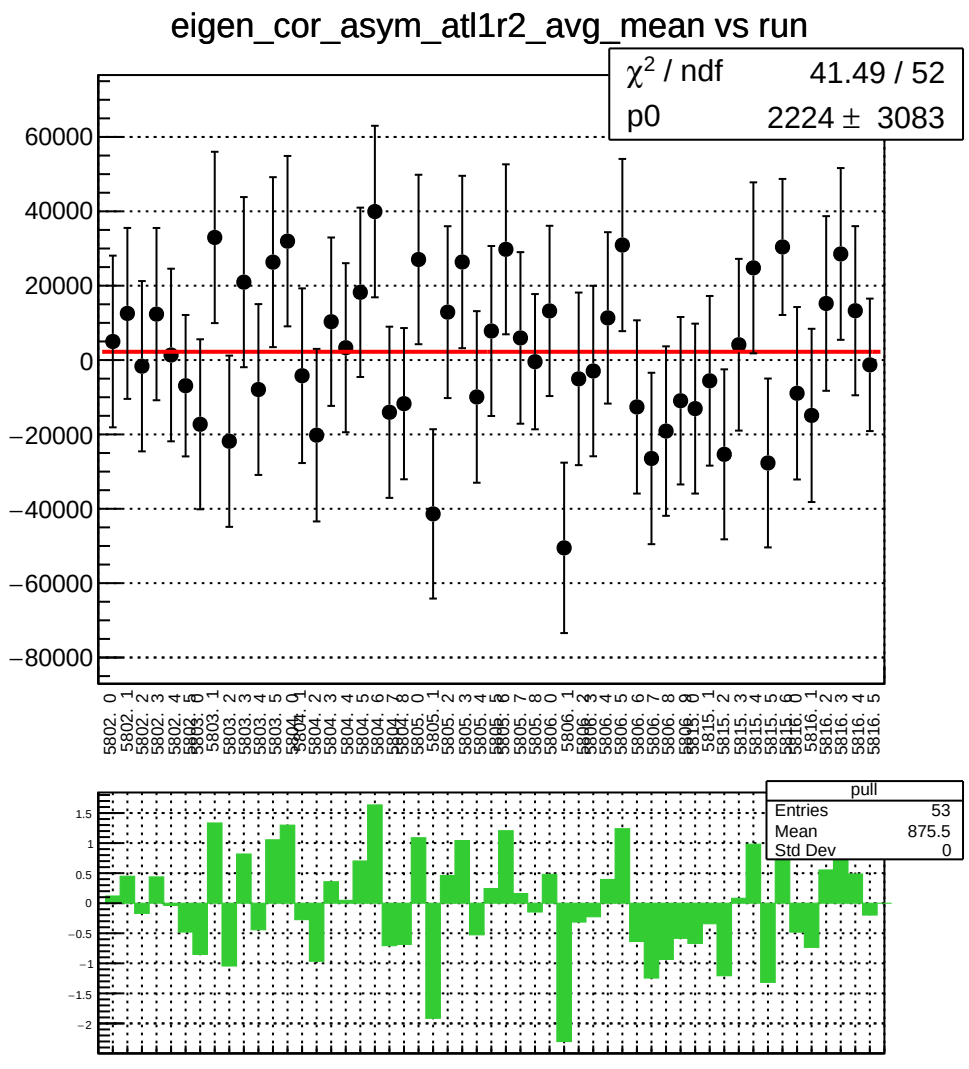
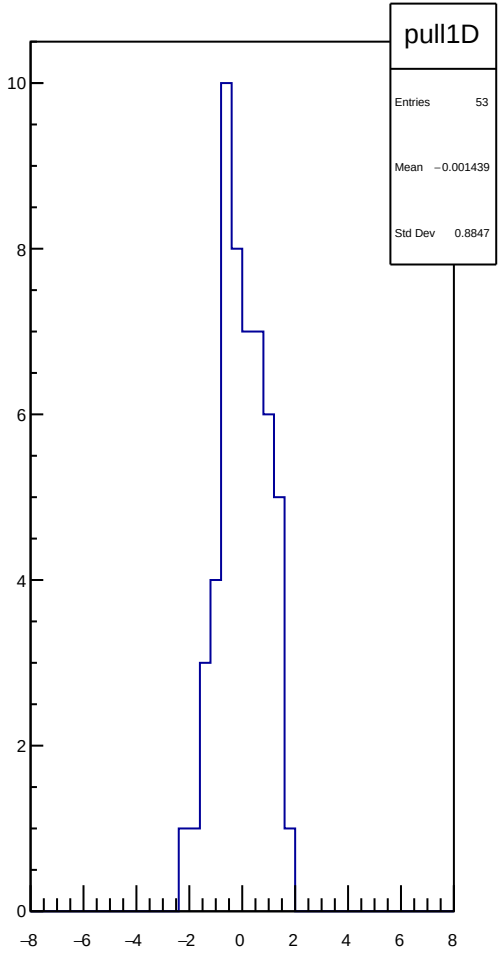
5816. 4
5816. 5

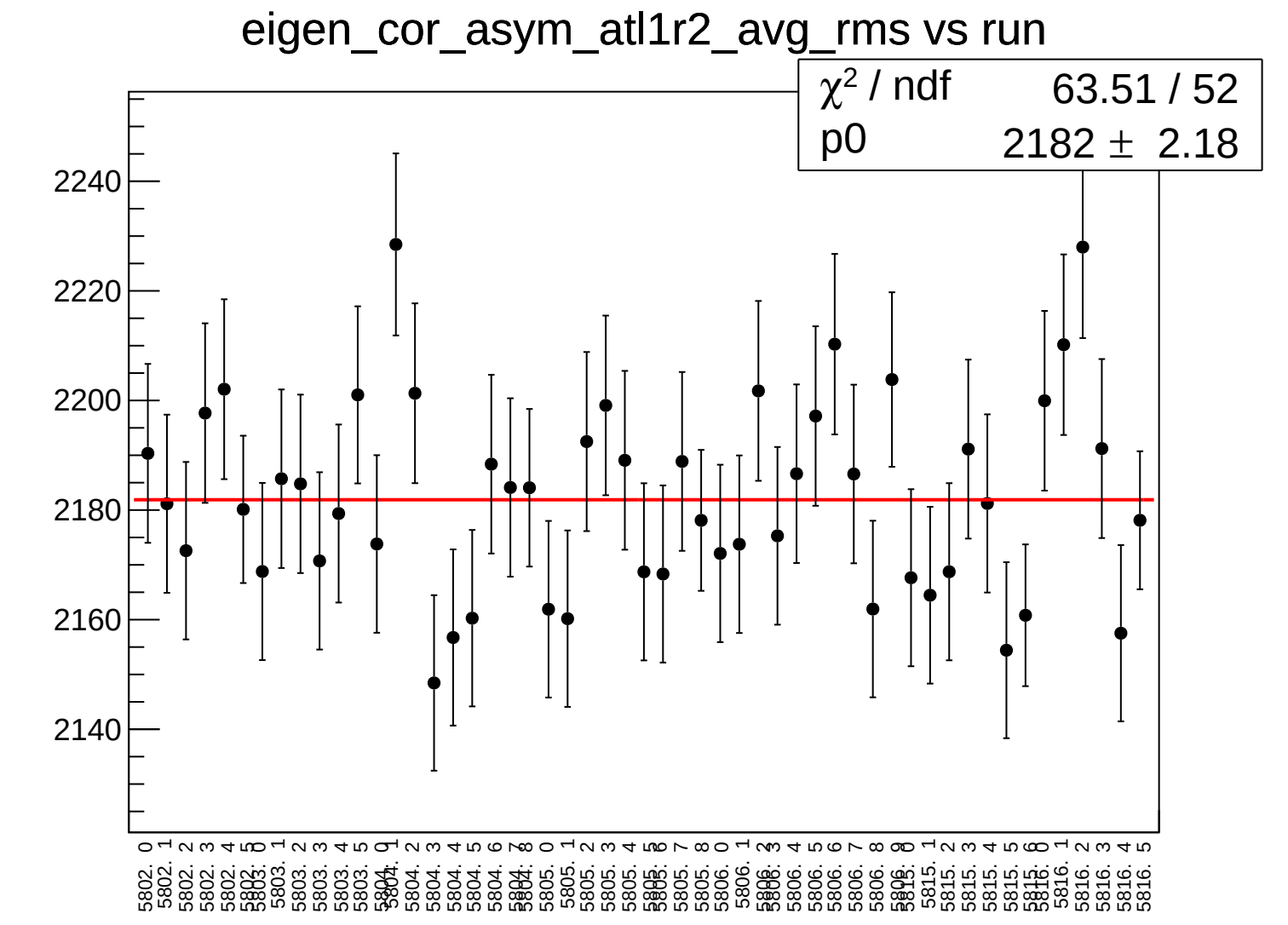

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 66.87 / 52
p0 −4065 ± 7692
pull
Entries 53
Mean −57.74
Std Dev 0


pull1D
Entries 53
Mean 0.02814
Std Dev 1.123


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4126 / 52
p0 5432 ± 5.439
7000
6500
6000
5500
5000


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 41.49 / 52
p0 2224 ± 3083
pull
Entries 53
Mean 875.5
Std Dev 0


pull1D
Entries 53
Mean −0.001439
Std Dev 0.8847


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 63.51 / 52
p0 2182 ± 2.18
2240
2220
2200
2180
2160
2140
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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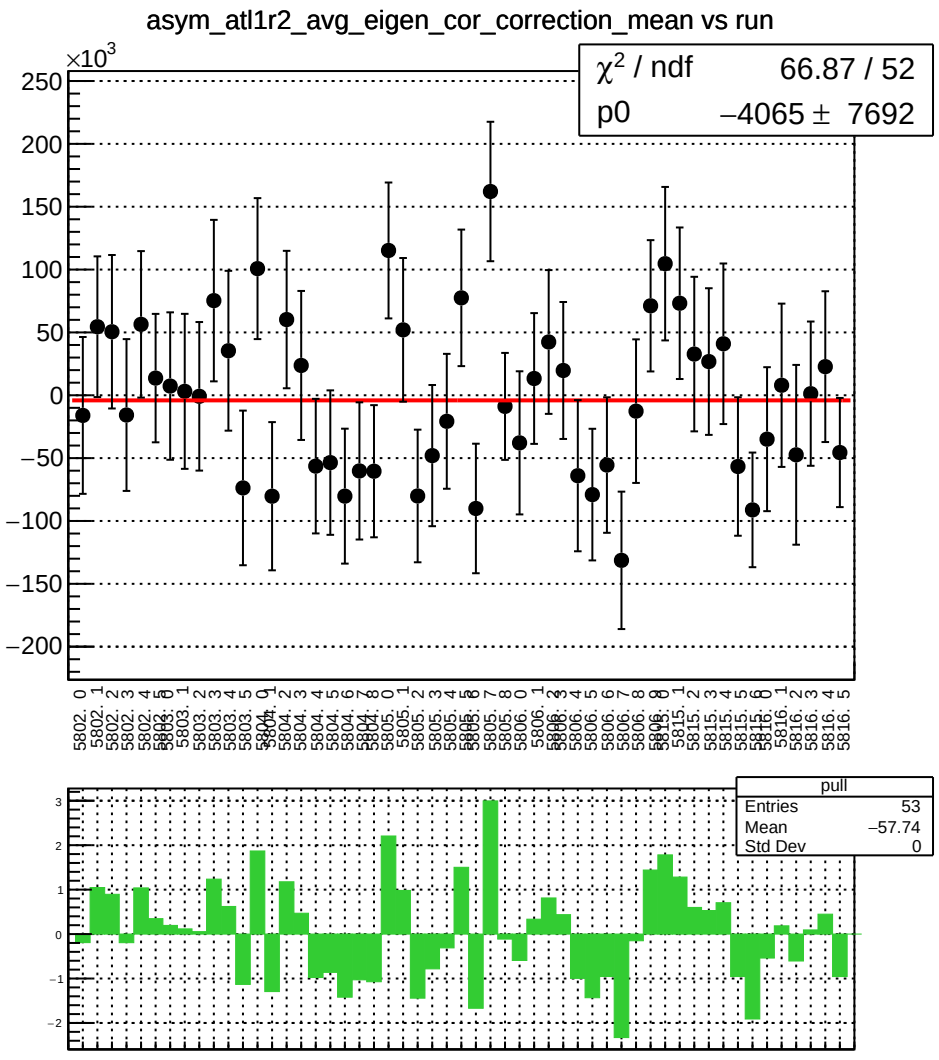
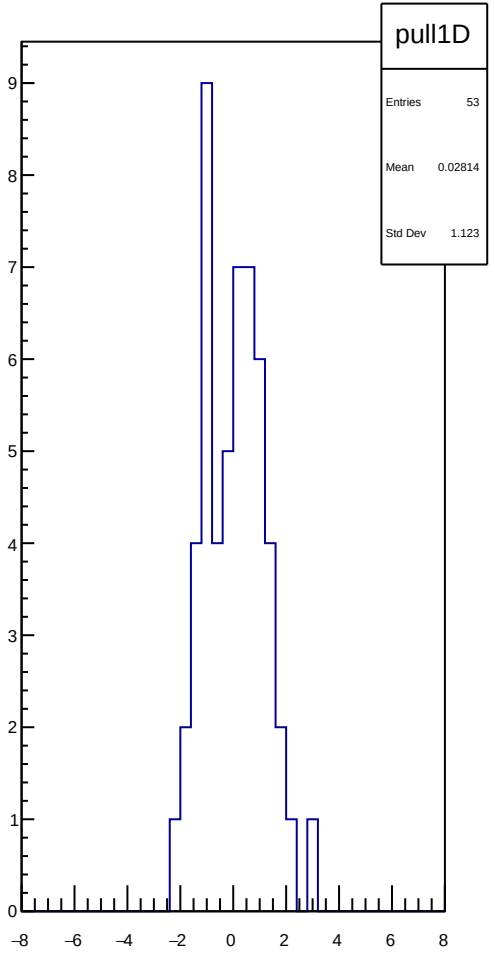
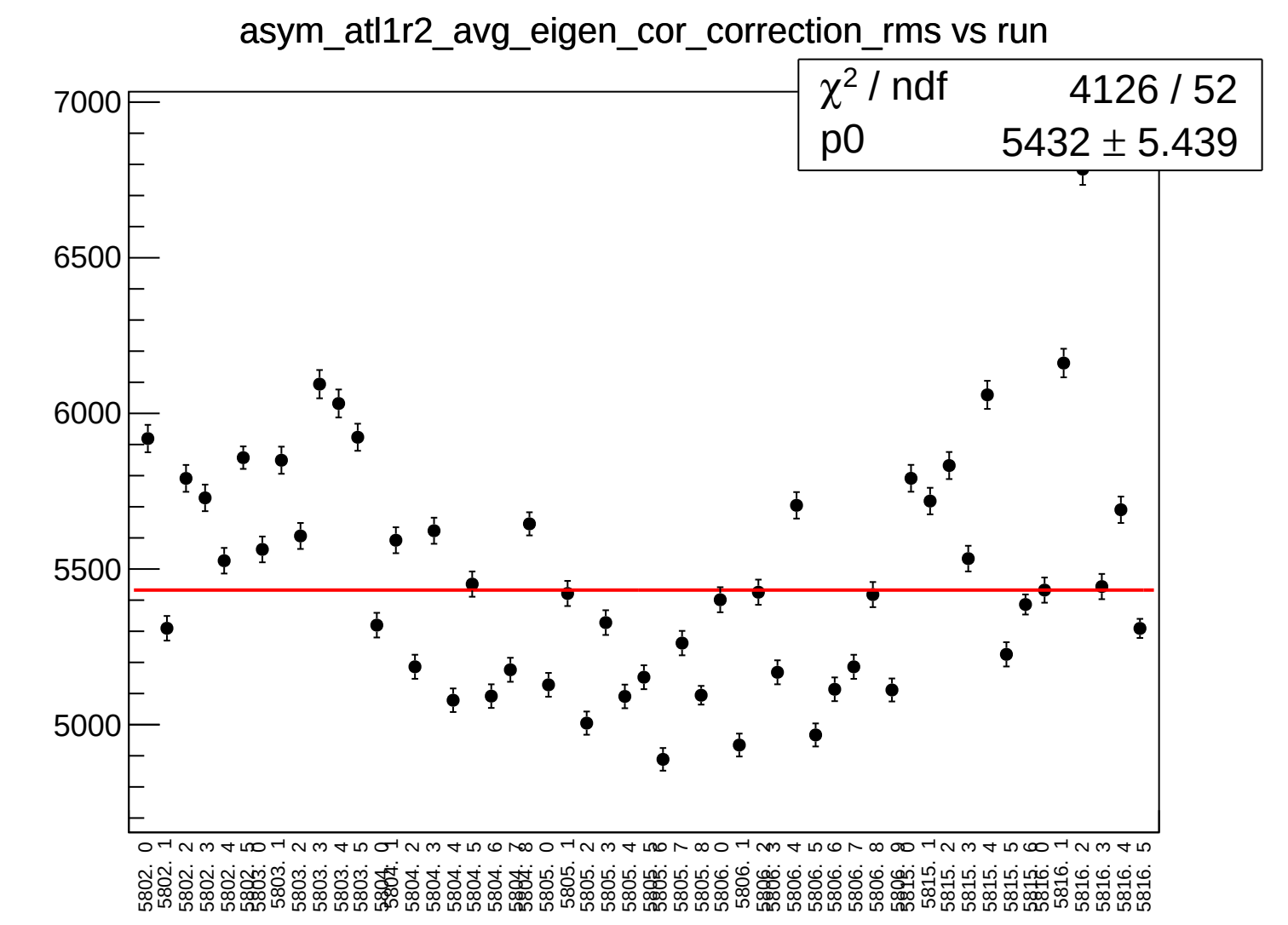
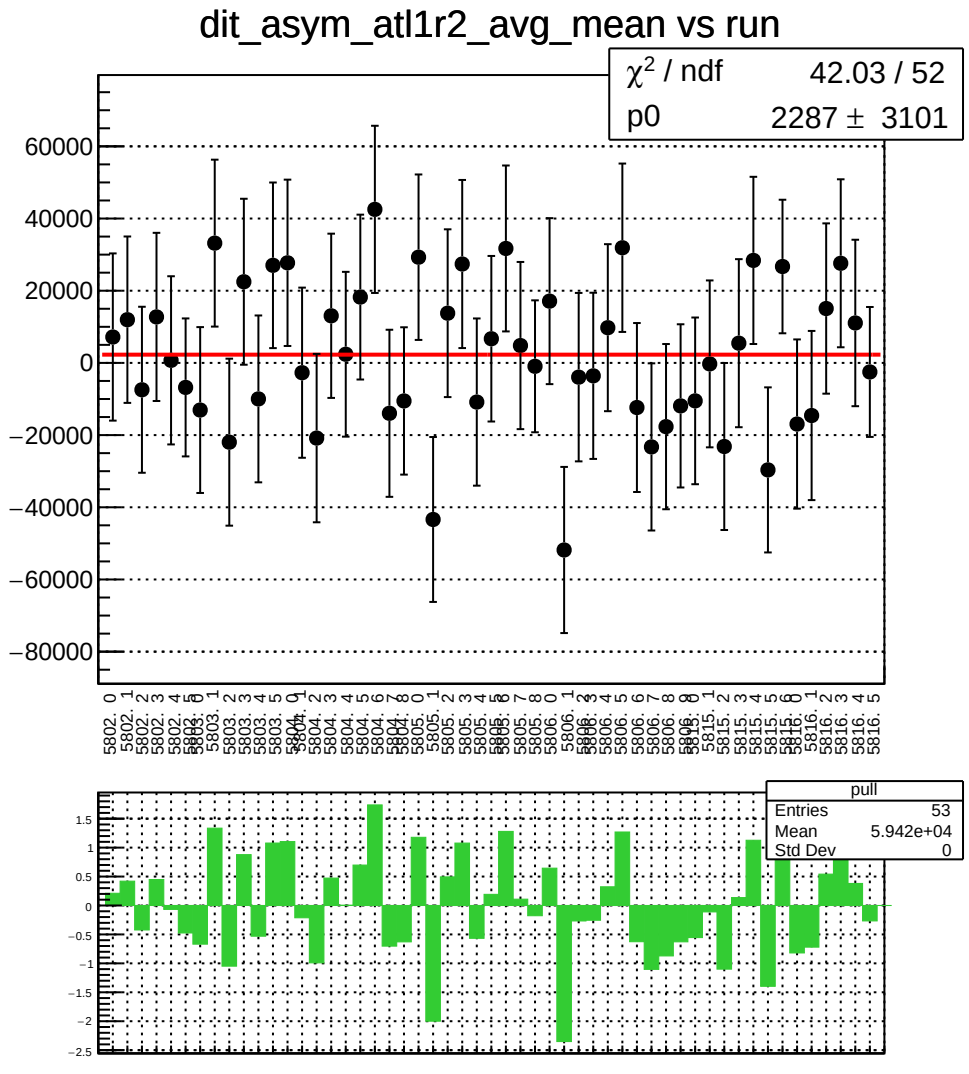
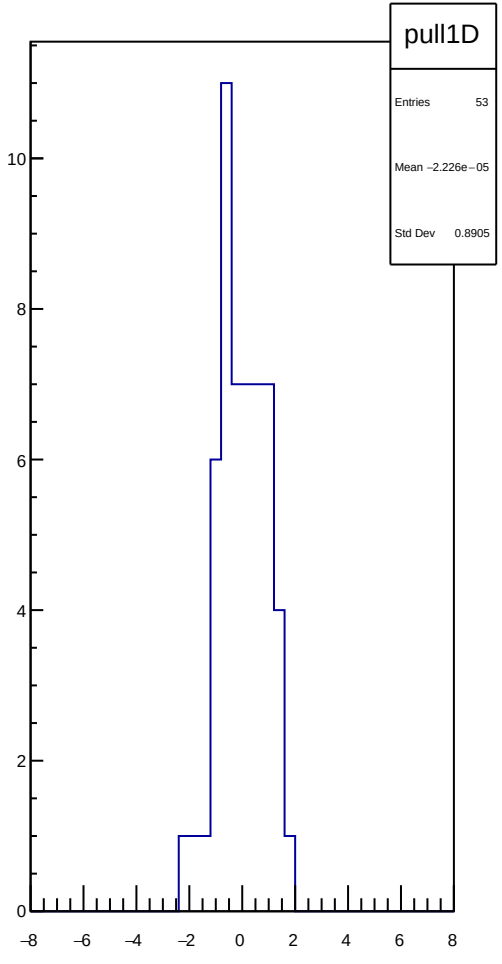
5816. 4
5816. 5

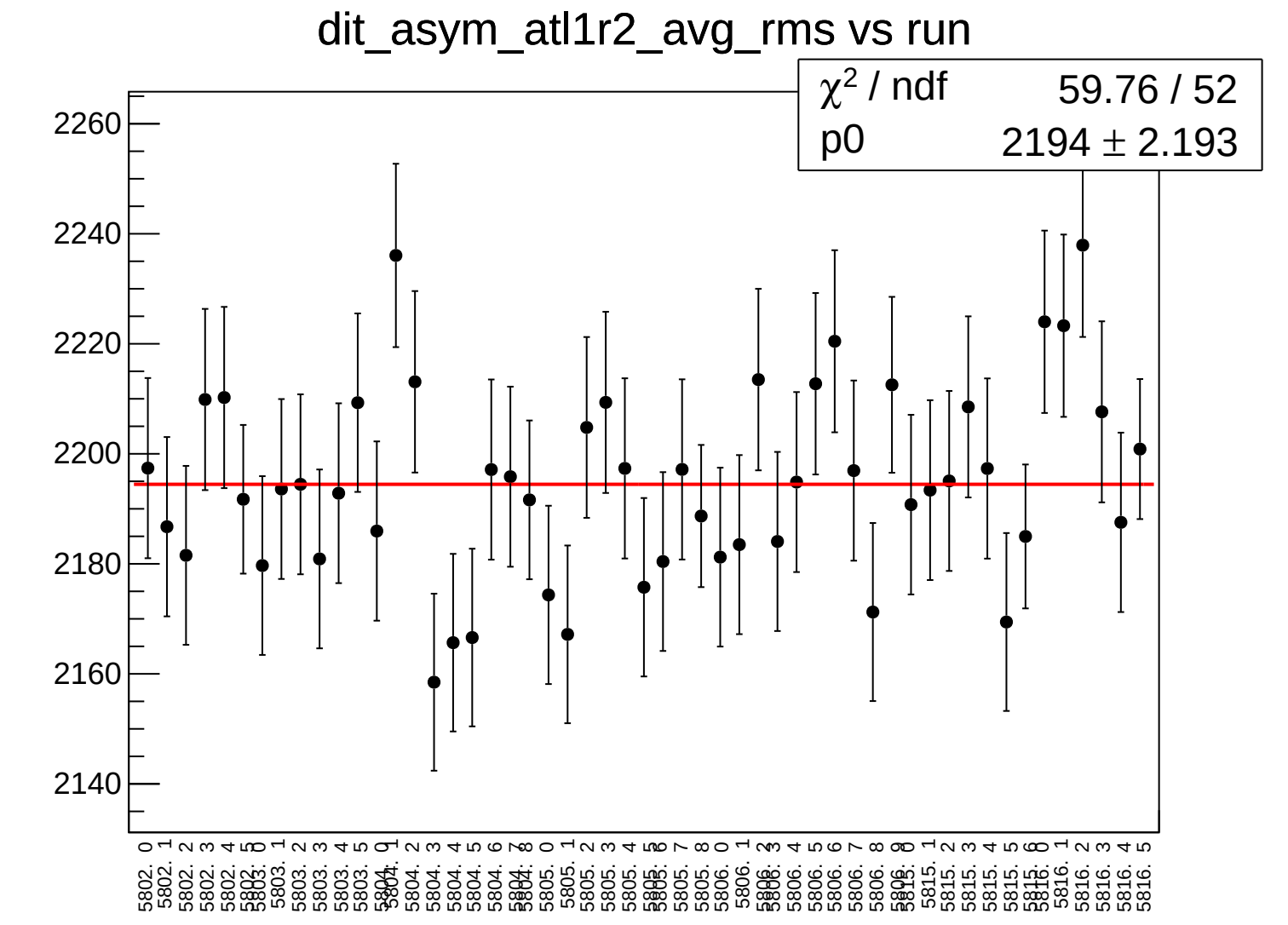

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.87 / 52
p0 −4065 ± 7692
pull
Entries 53
Mean −57.74
Std Dev 0

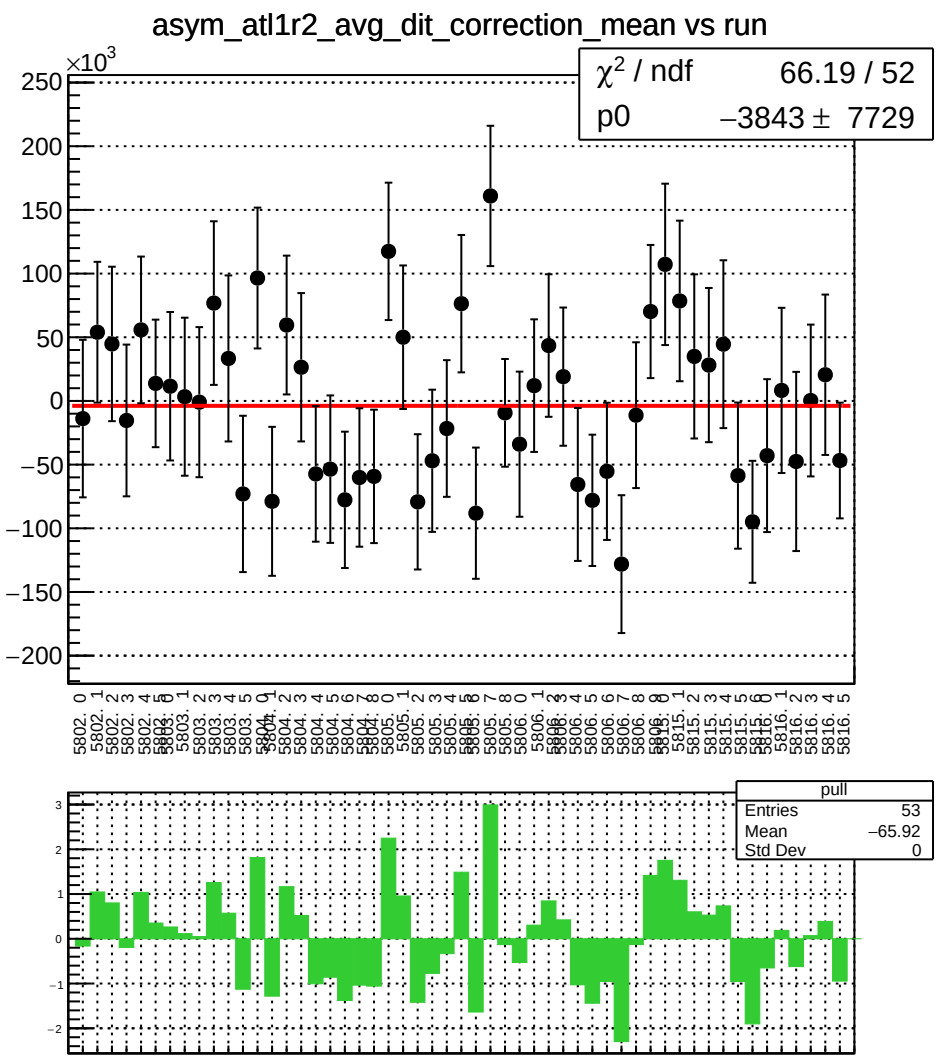

pull1D
Entries 53
Mean 0.02814
Std Dev 1.123

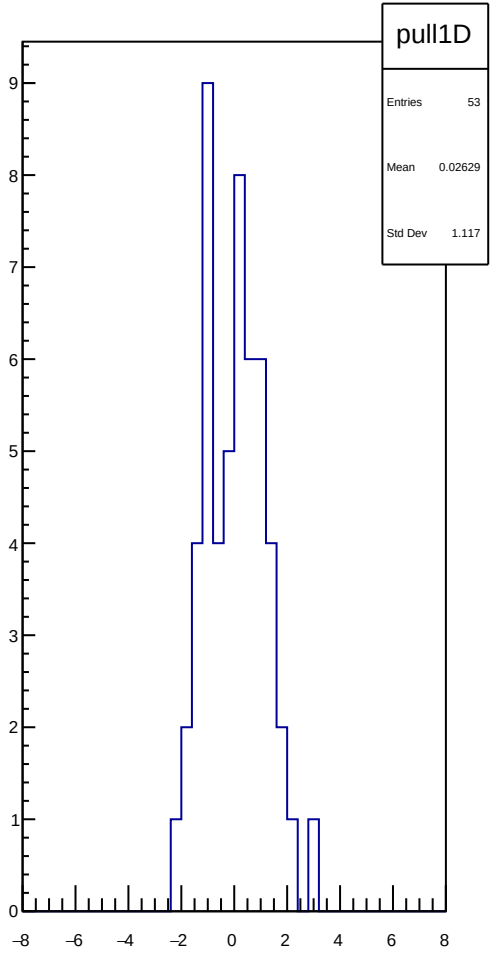

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4126 / 52
p0 5432 ± 5.439
7000
6500
6000
5500
5000

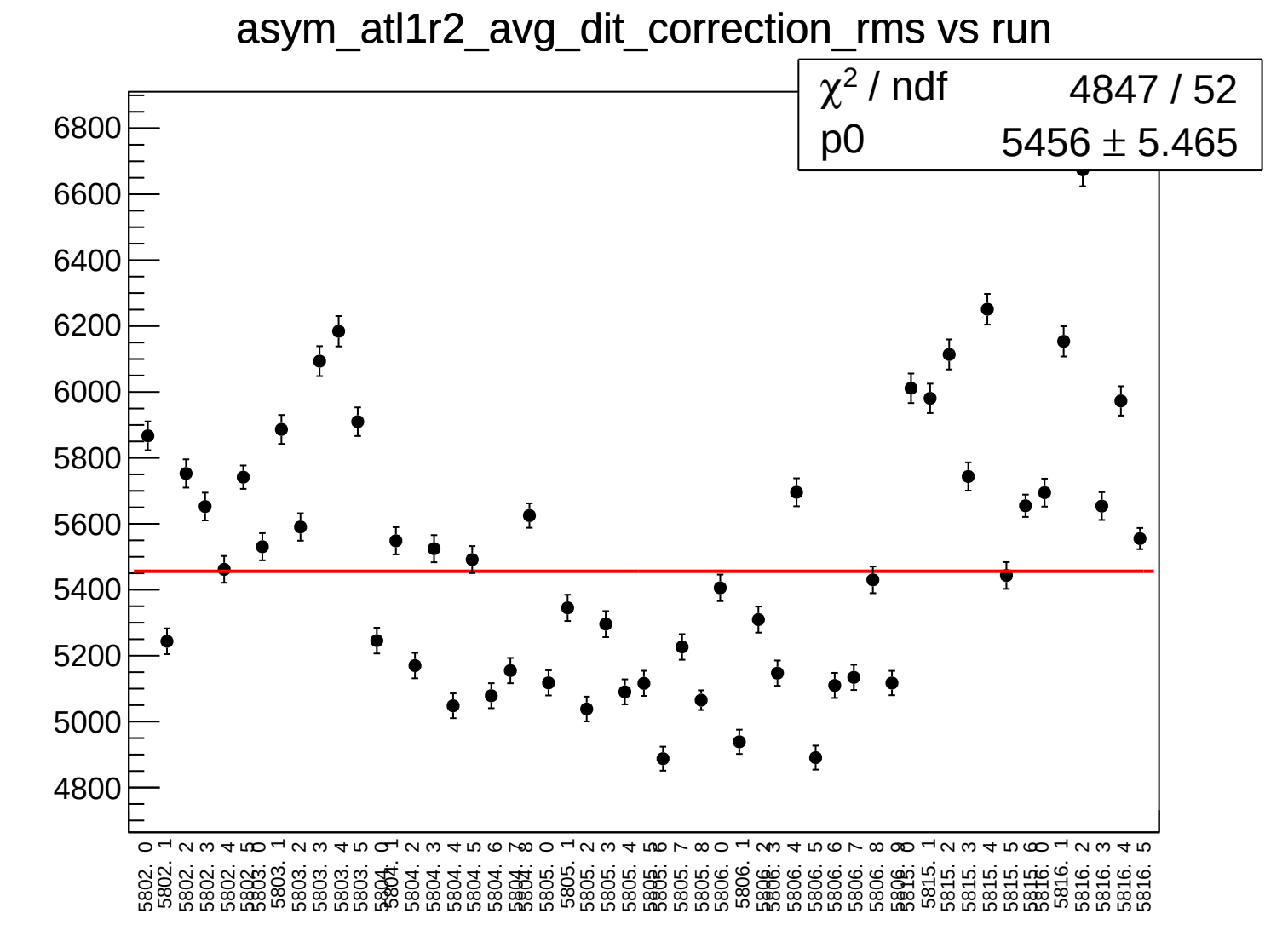

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 42.03 / 52
p0 2287 ± 3101
pull
Entries 53
Mean 5.942e+04
Std Dev 0

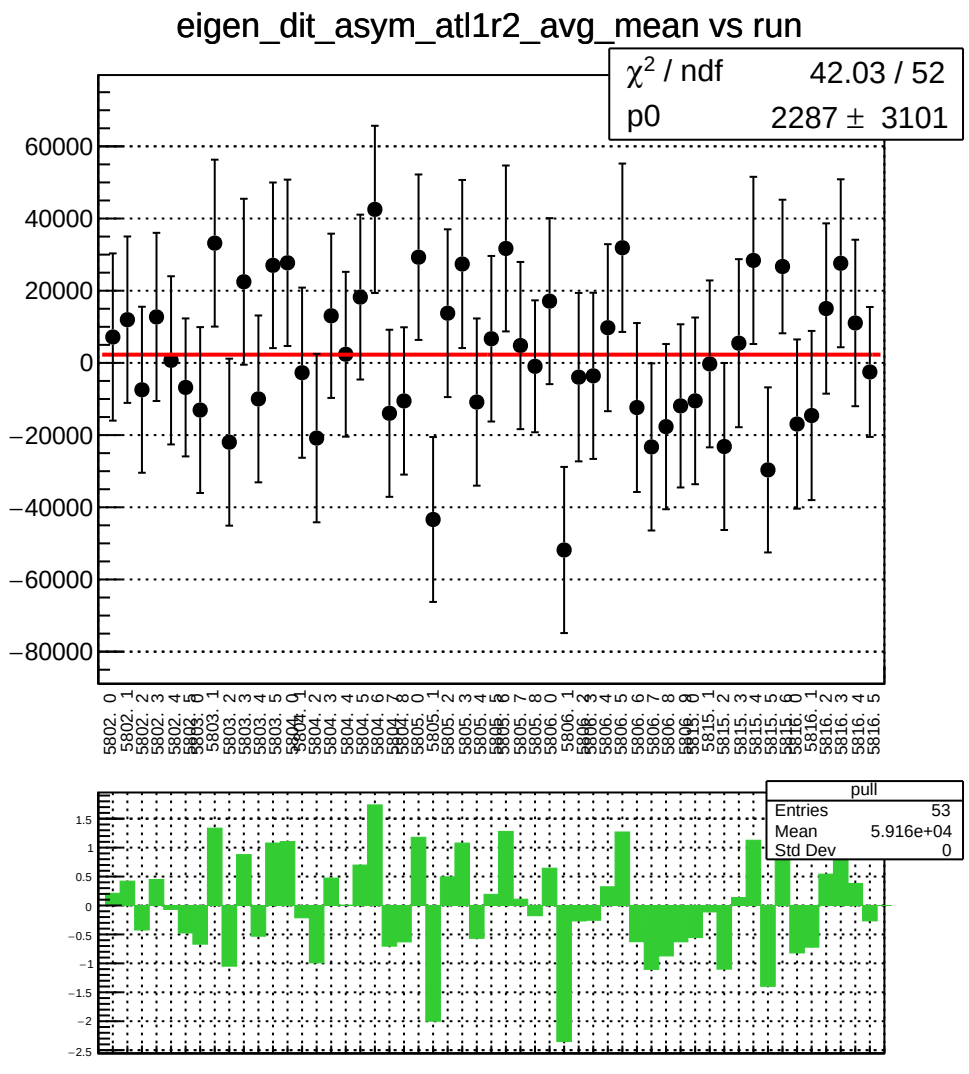

pull1D
Entries 53
Mean −2.226e−05
Std Dev 0.8905

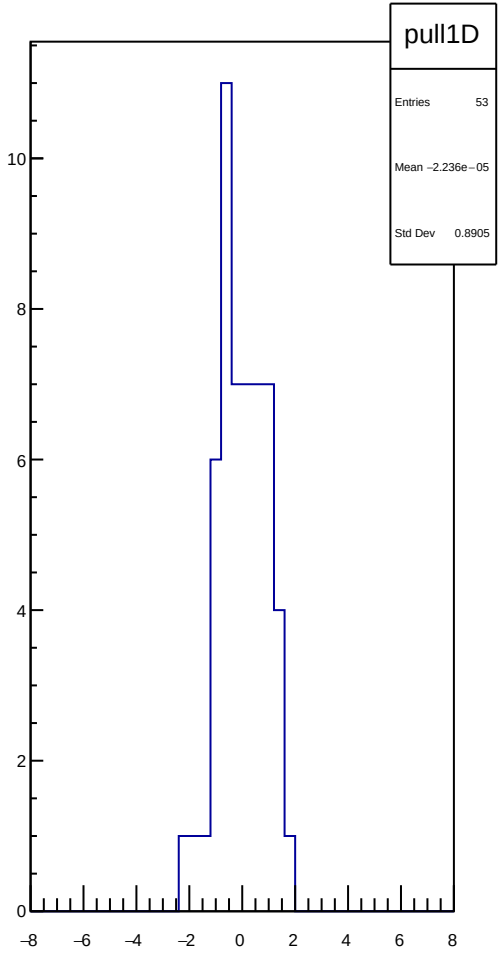

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 59.76 / 52
p0 2194 ± 2.193
2260
2240
2220
2200
2180
2160
2140

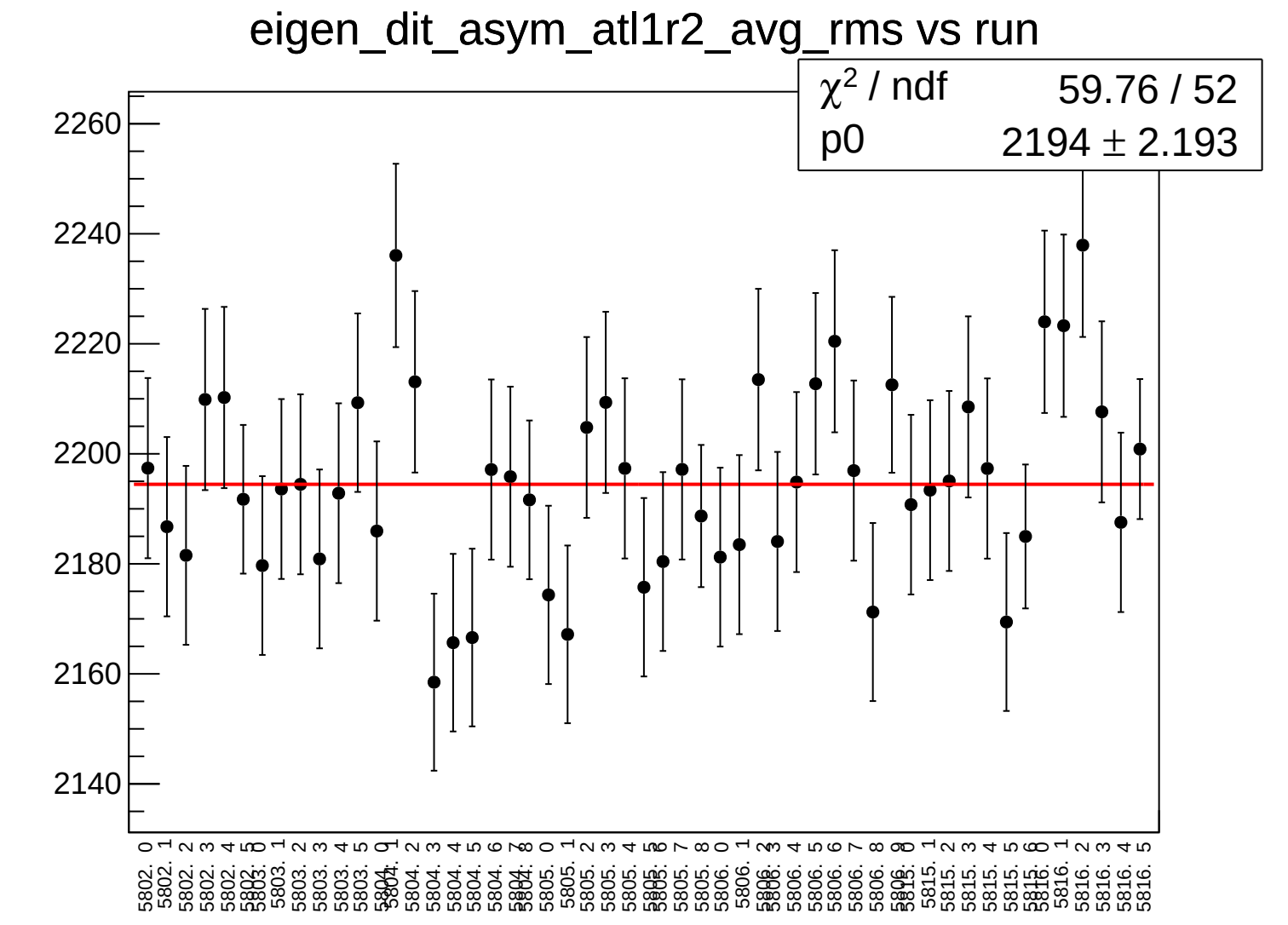

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 66.19 / 52
p0 −3843 ± 7729
×10³
pull
Entries 53
Mean −65.92
Std Dev 0

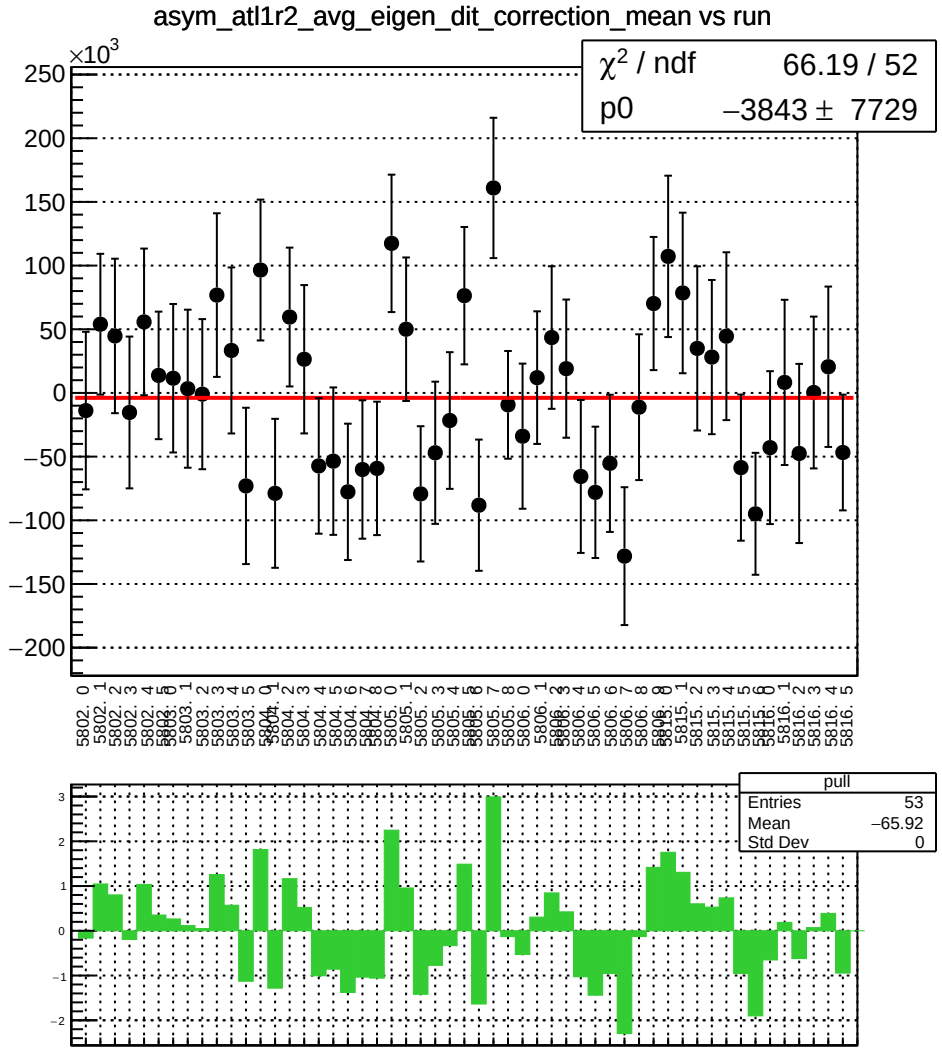

pull1D
Entries 53
Mean 0.02629
Std Dev 1.117

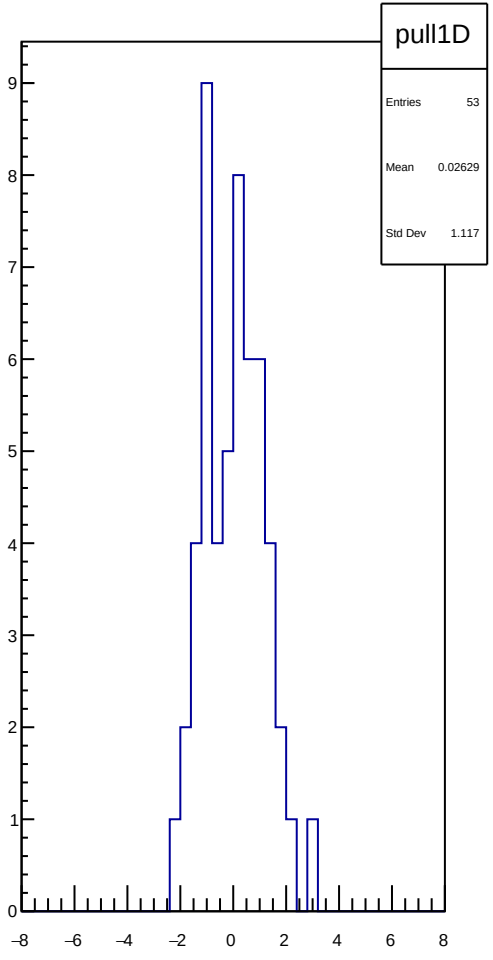

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 4847 / 52
p0 5456 ± 5.465
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

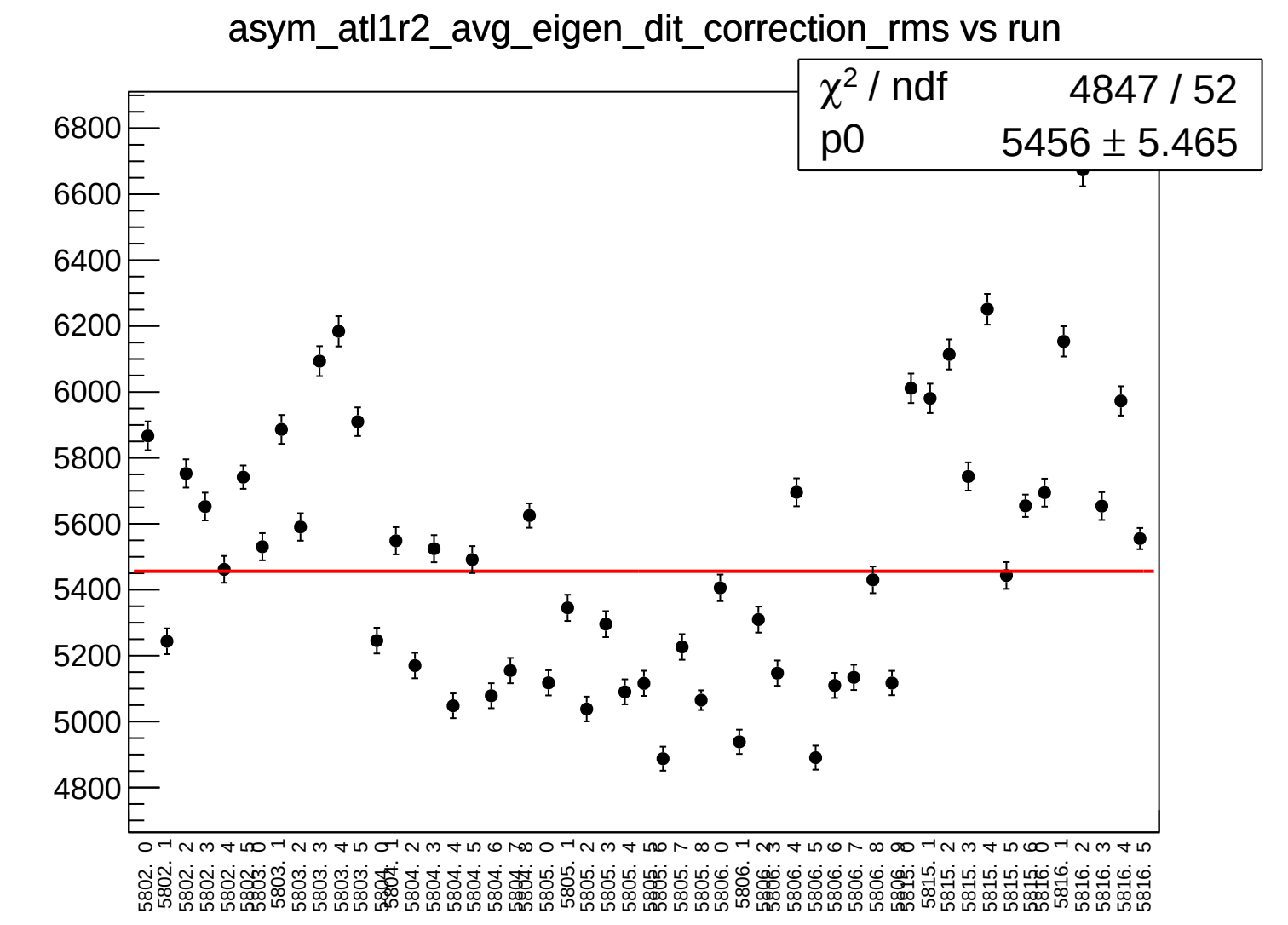

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 42.03 / 52
p0 2287 ± 3101
pull
Entries 53
Mean 5.916e+04
Std Dev 0

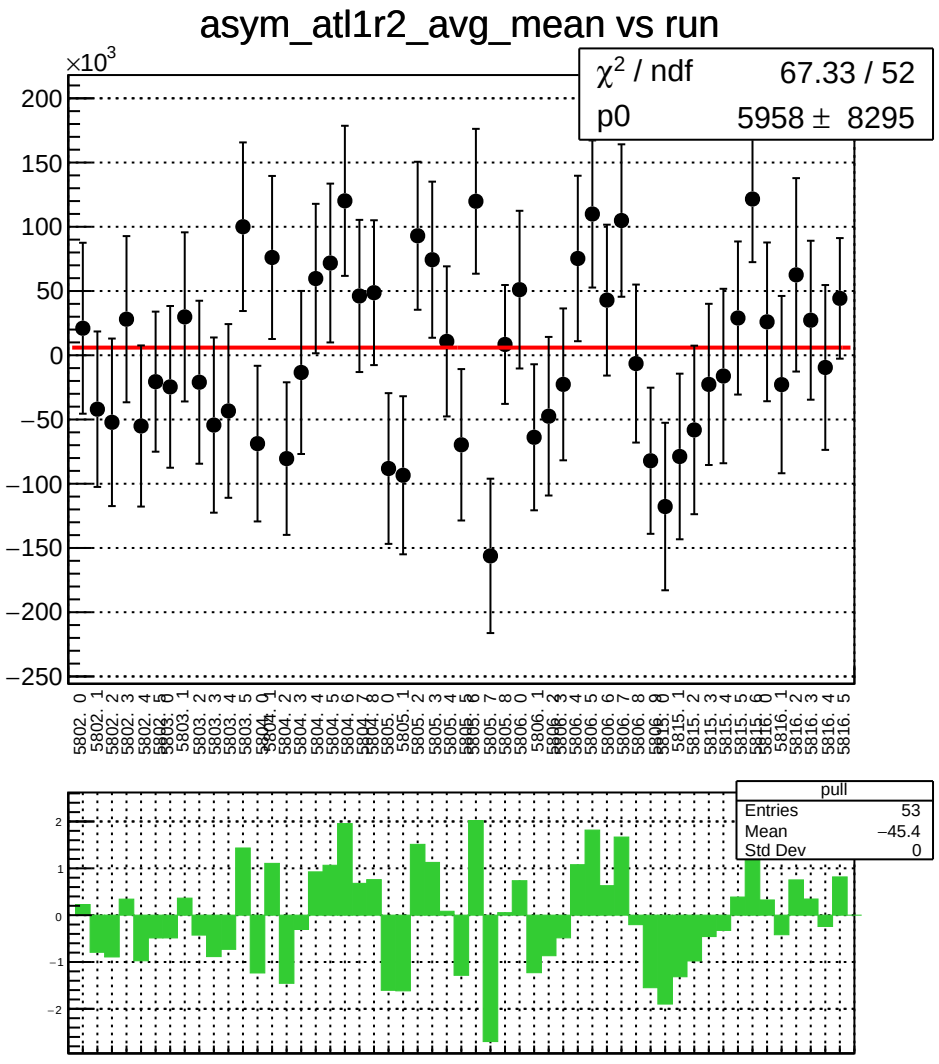

pull1D
Entries 53
Mean −2.236e−05
Std Dev 0.8905

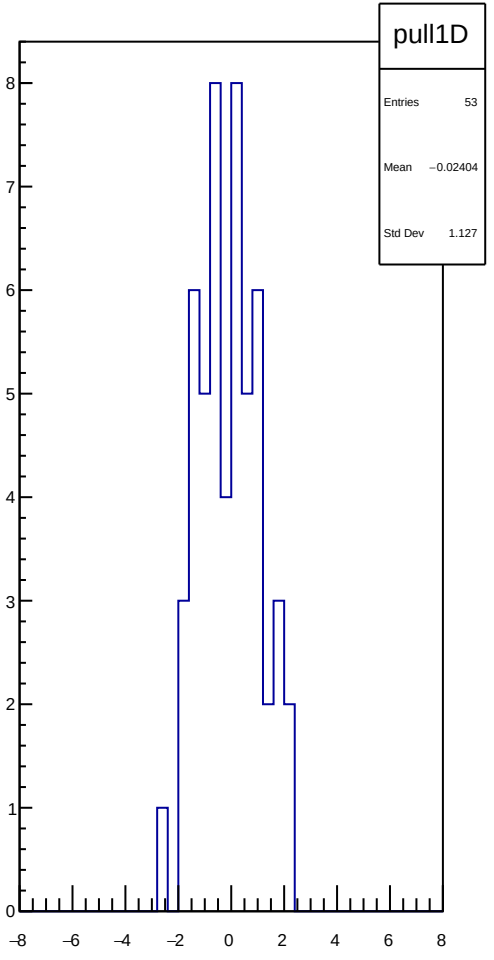

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 59.76 / 52
p0 2194 ± 2.193
2260
2240
2220
2200
2180
2160
2140
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

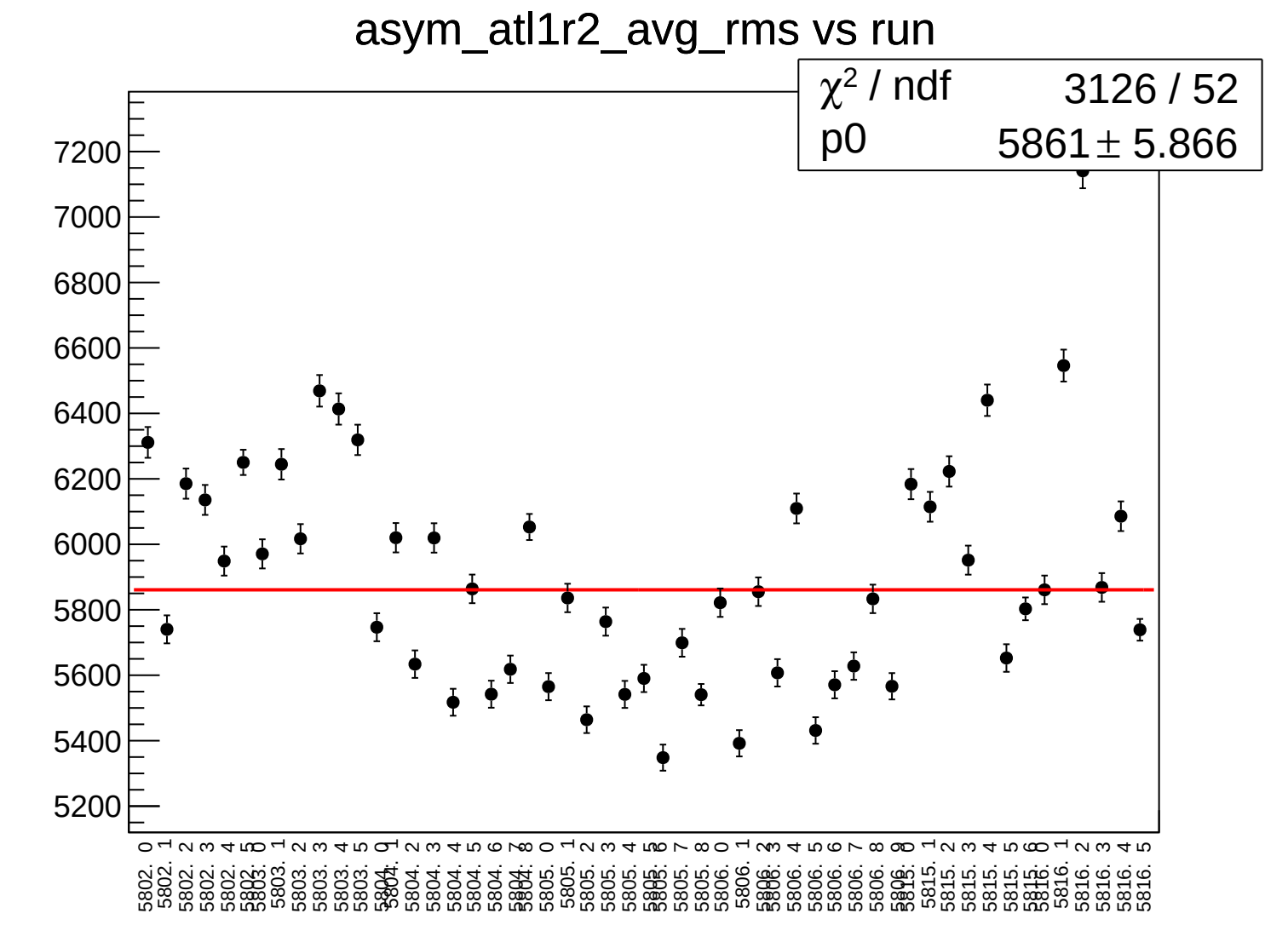

asym_atl1r2_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.19 / 52
p0 −3843 ± 7729
pull
Entries 53
Mean −65.92
Std Dev 0

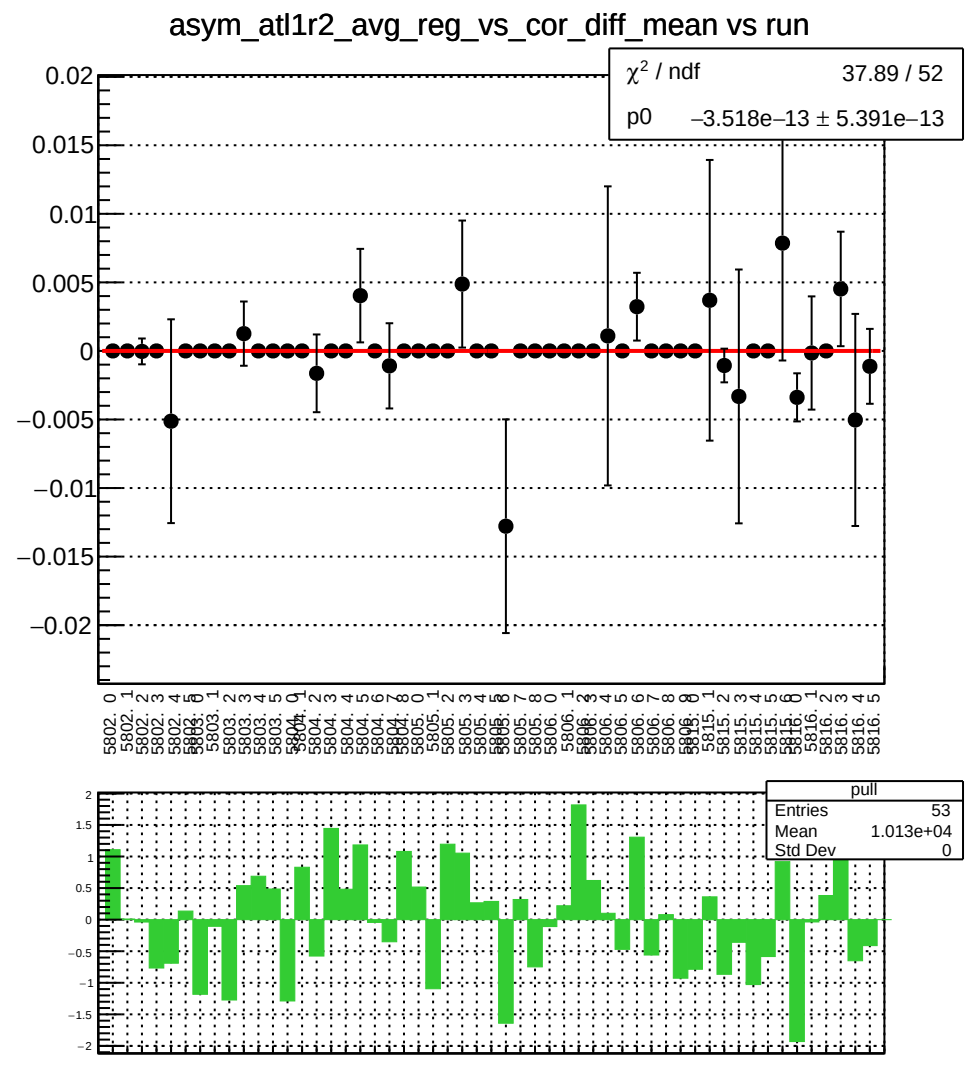

pull1D
Entries 53
Mean 0.02629
Std Dev 1.117

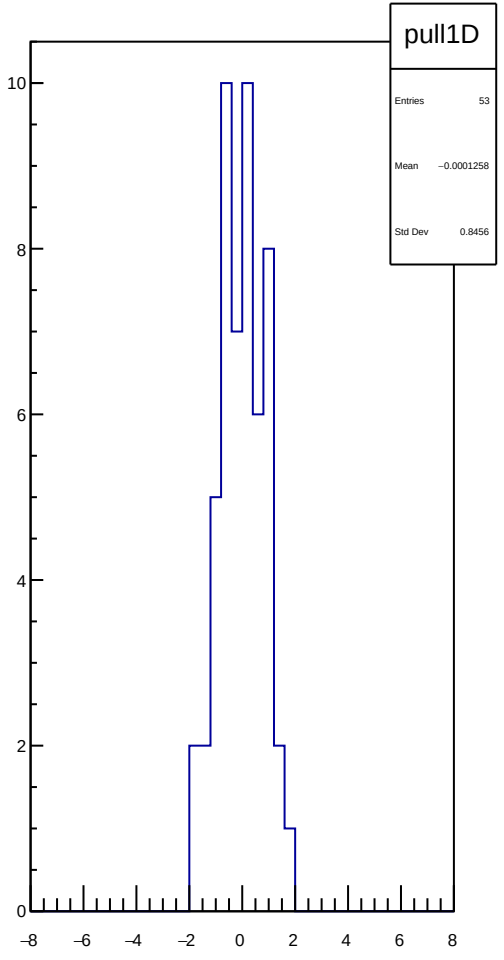

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4847 / 52
p0 5456 ± 5.465
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

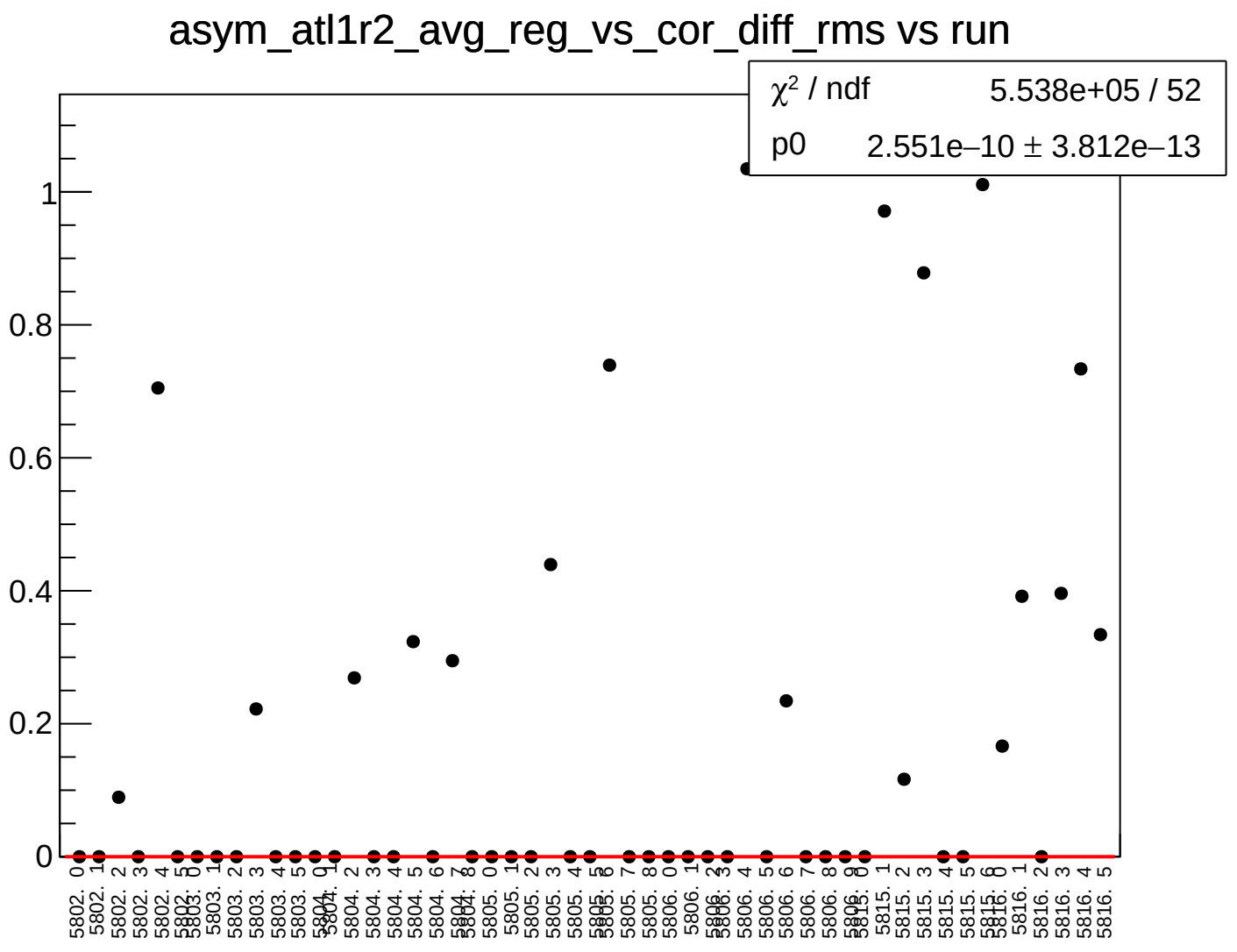

asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 67.33 / 52
p0 5958 ± 8295
pull
Entries 53
Mean −45.4
Std Dev 0

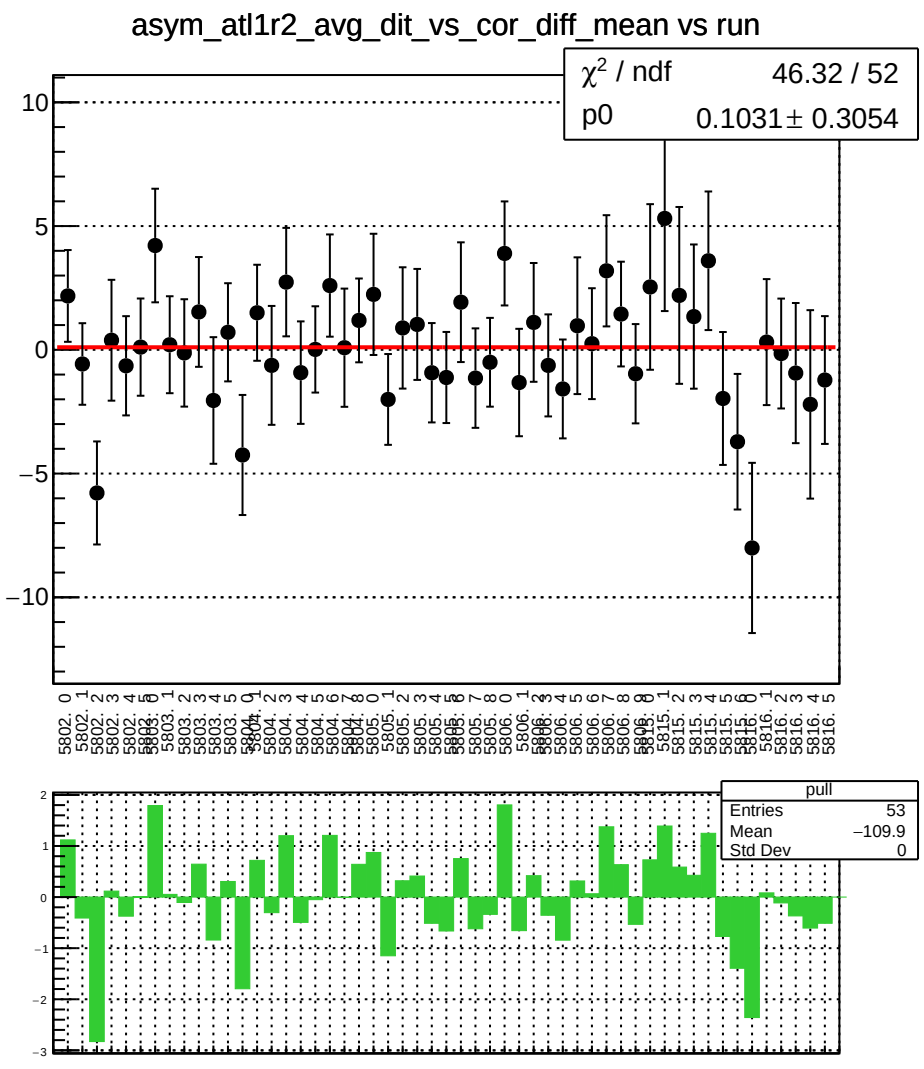

pull1D
Entries 53
Mean −0.02404
Std Dev 1.127

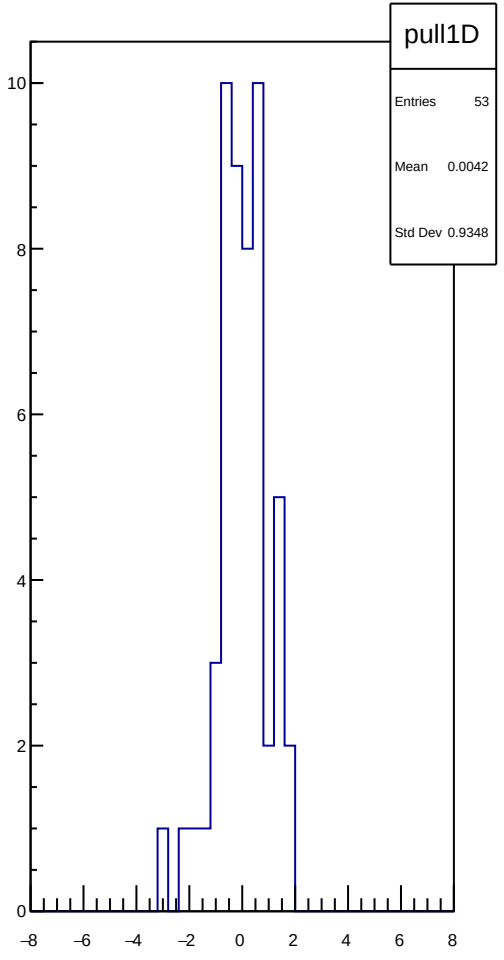

asym_atl1r2_avg_rms vs run
χ² / ndf 3126 / 52
p0 5861 ± 5.866
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

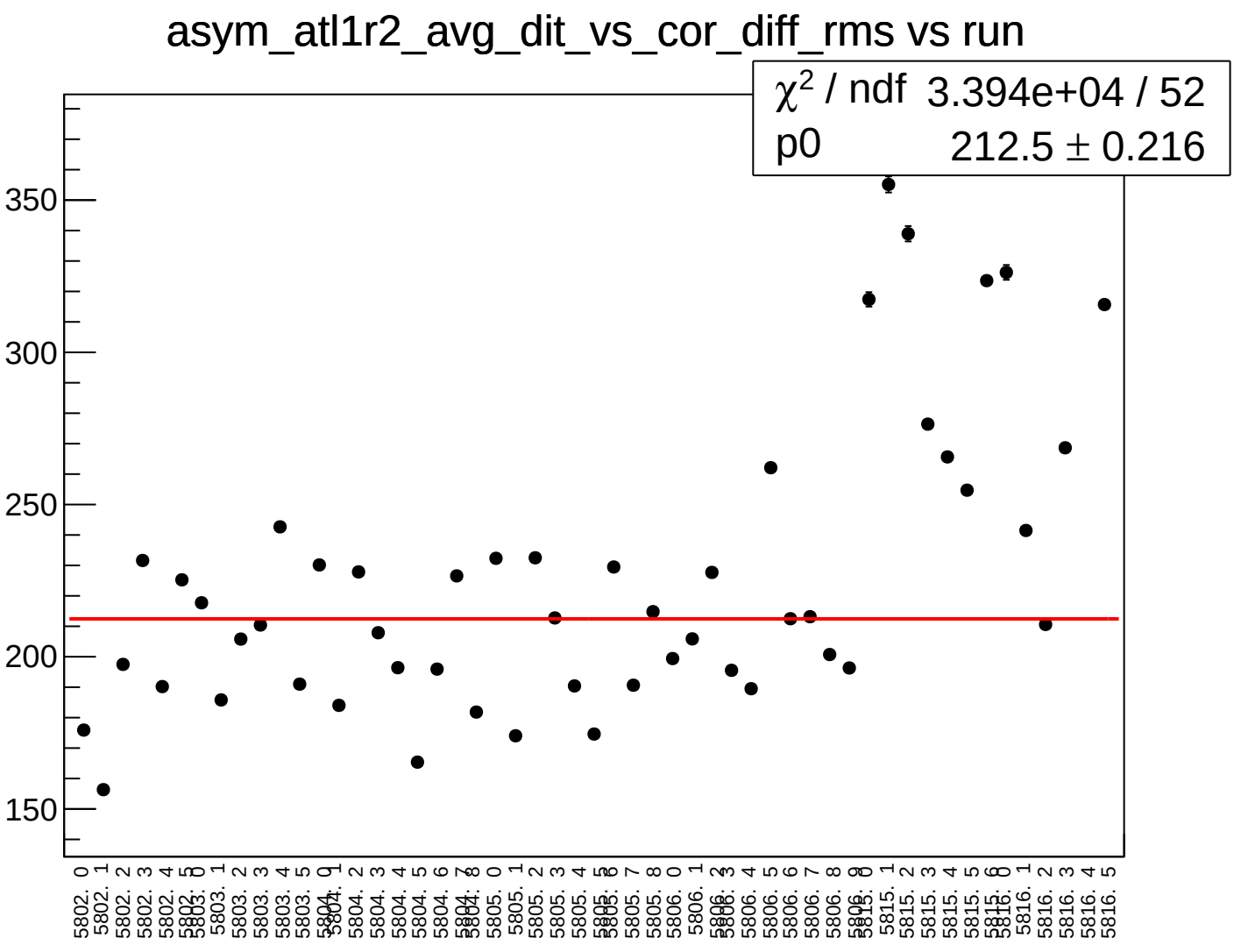

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 37.89 / 52
p0 −3.518e−13 ± 5.391e−13
pull
Entries 53
Mean 1.013e+04
Std Dev 0

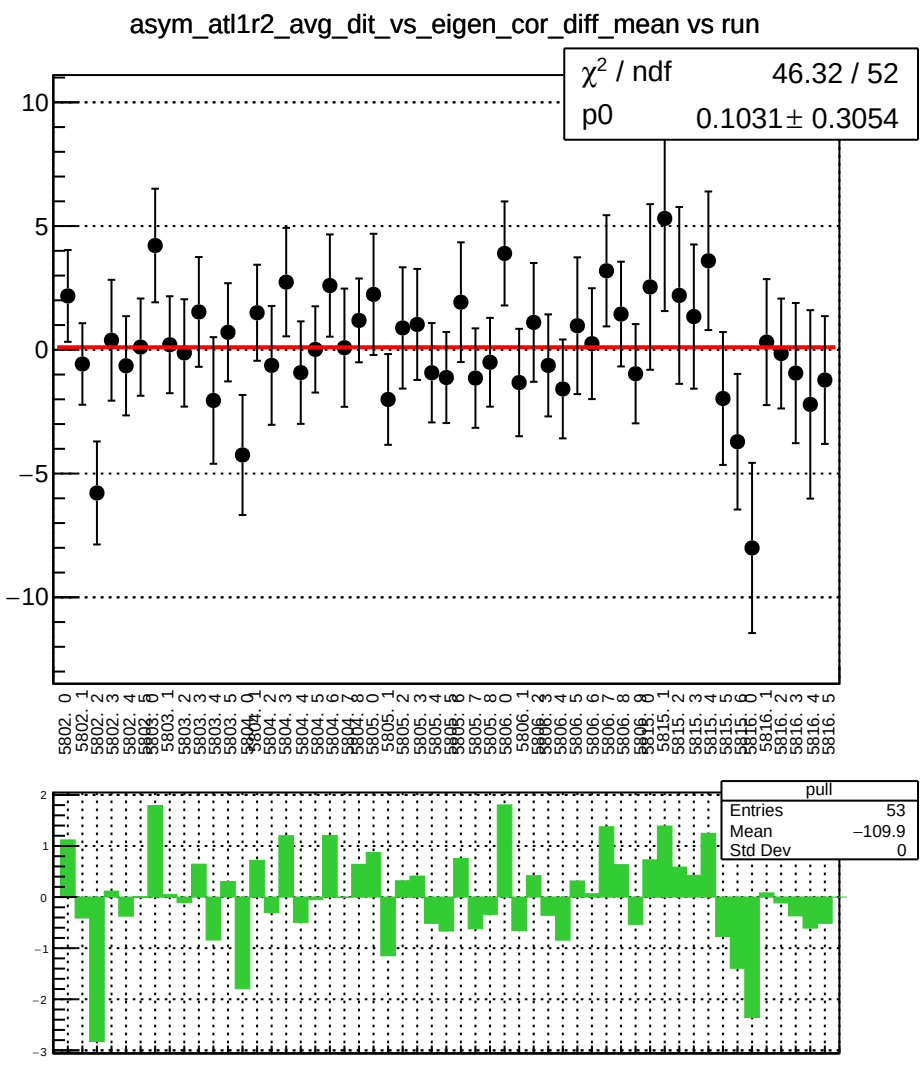

pull1D
Entries 53
Mean −0.0001258
Std Dev 0.8456

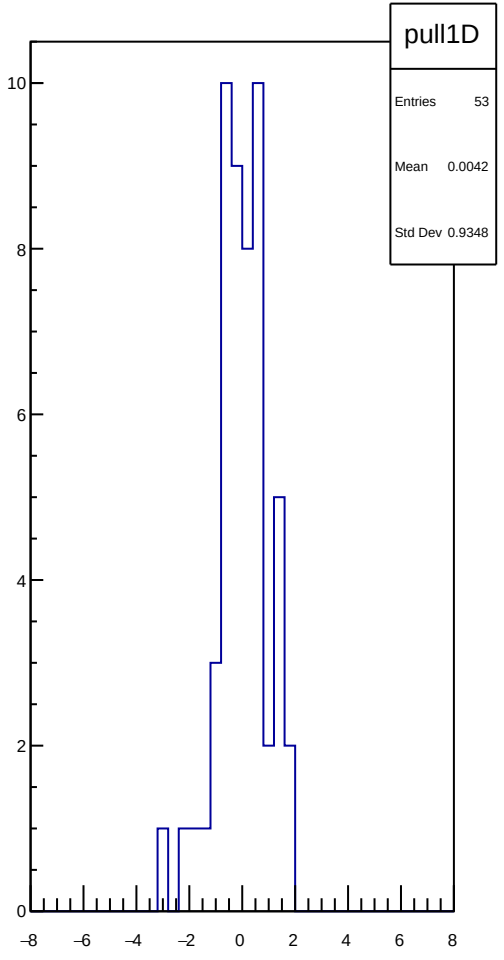

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.538e+05 / 52
p0 2.551e−10 ± 3.812e−13
1
0.8
0.6
0.4
0.2
0

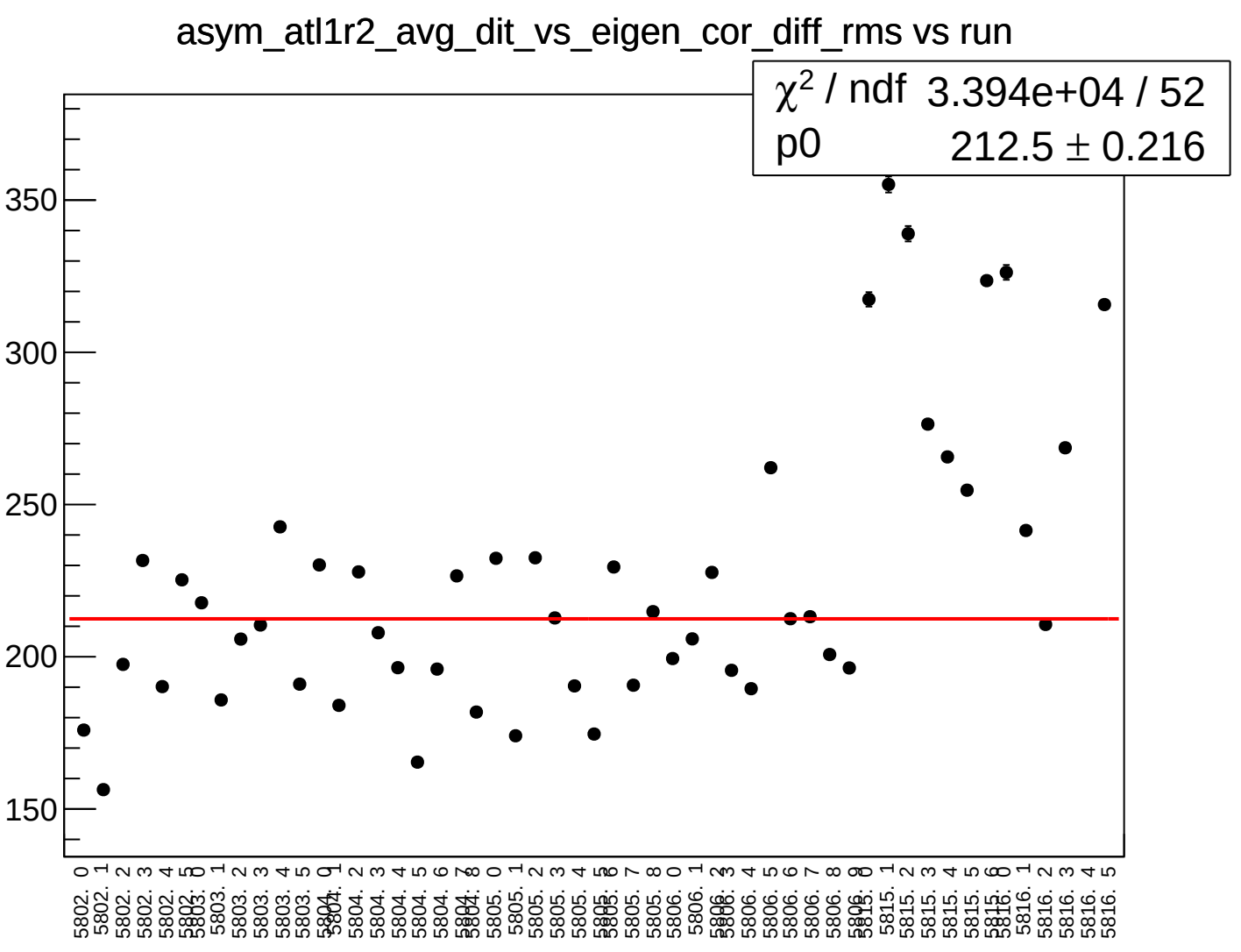

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.32 / 52
p0 0.1031 ± 0.3054
pull
Entries 53
Mean −109.9
Std Dev 0

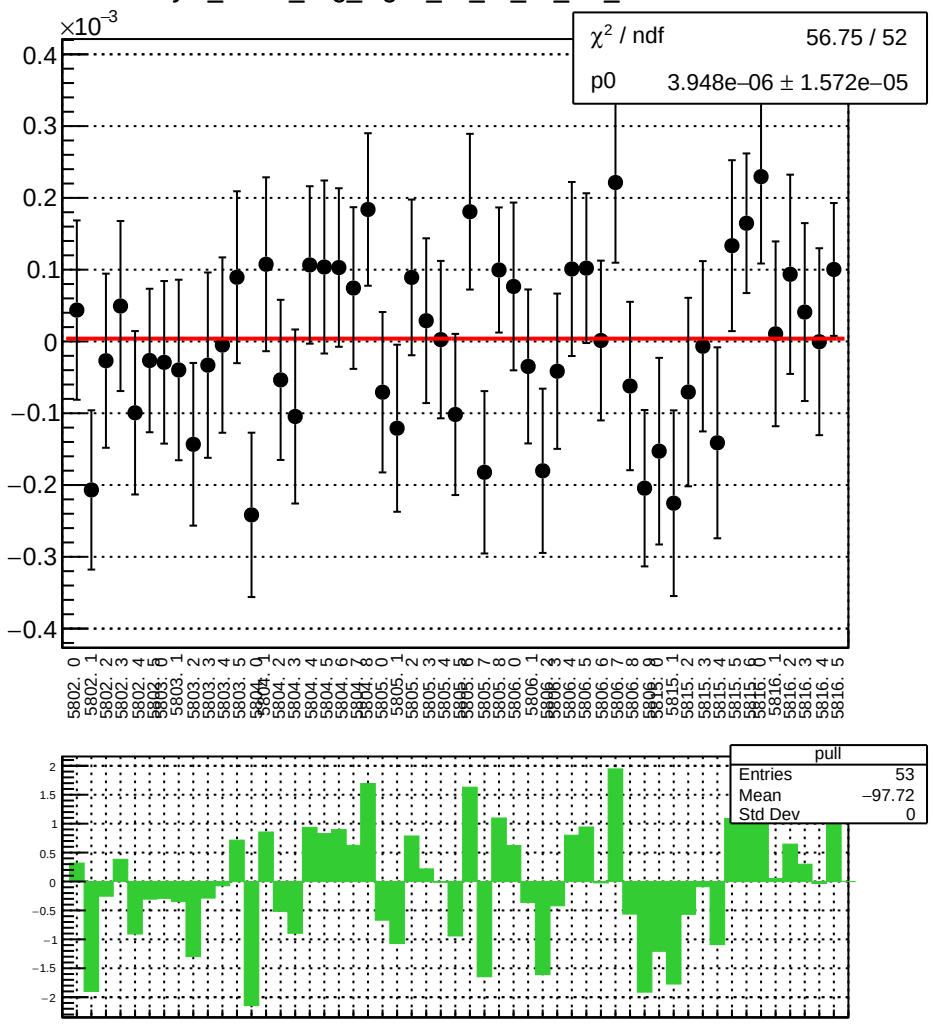

pull1D
Entries 53
Mean 0.0042
Std Dev 0.9348

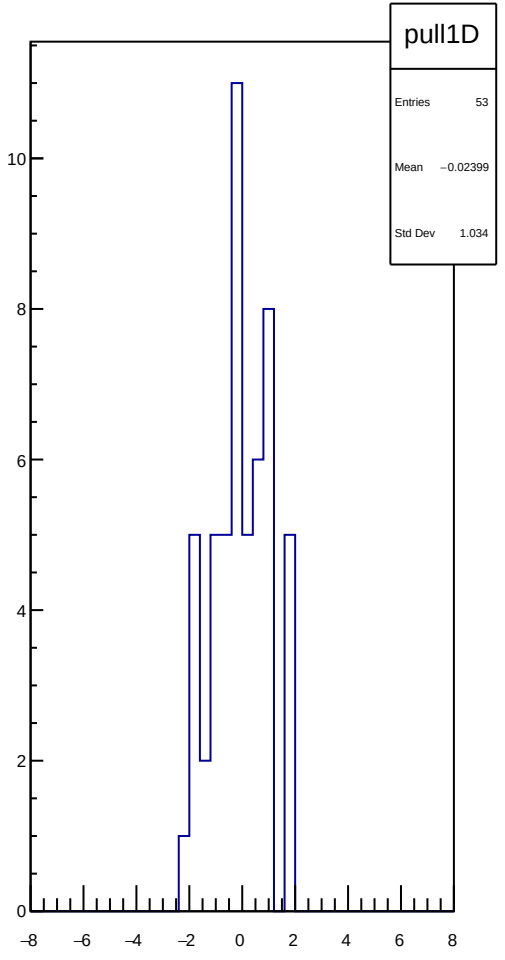

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.394e+04 / 52
p0 212.5 ± 0.216
350
300
250
200
150

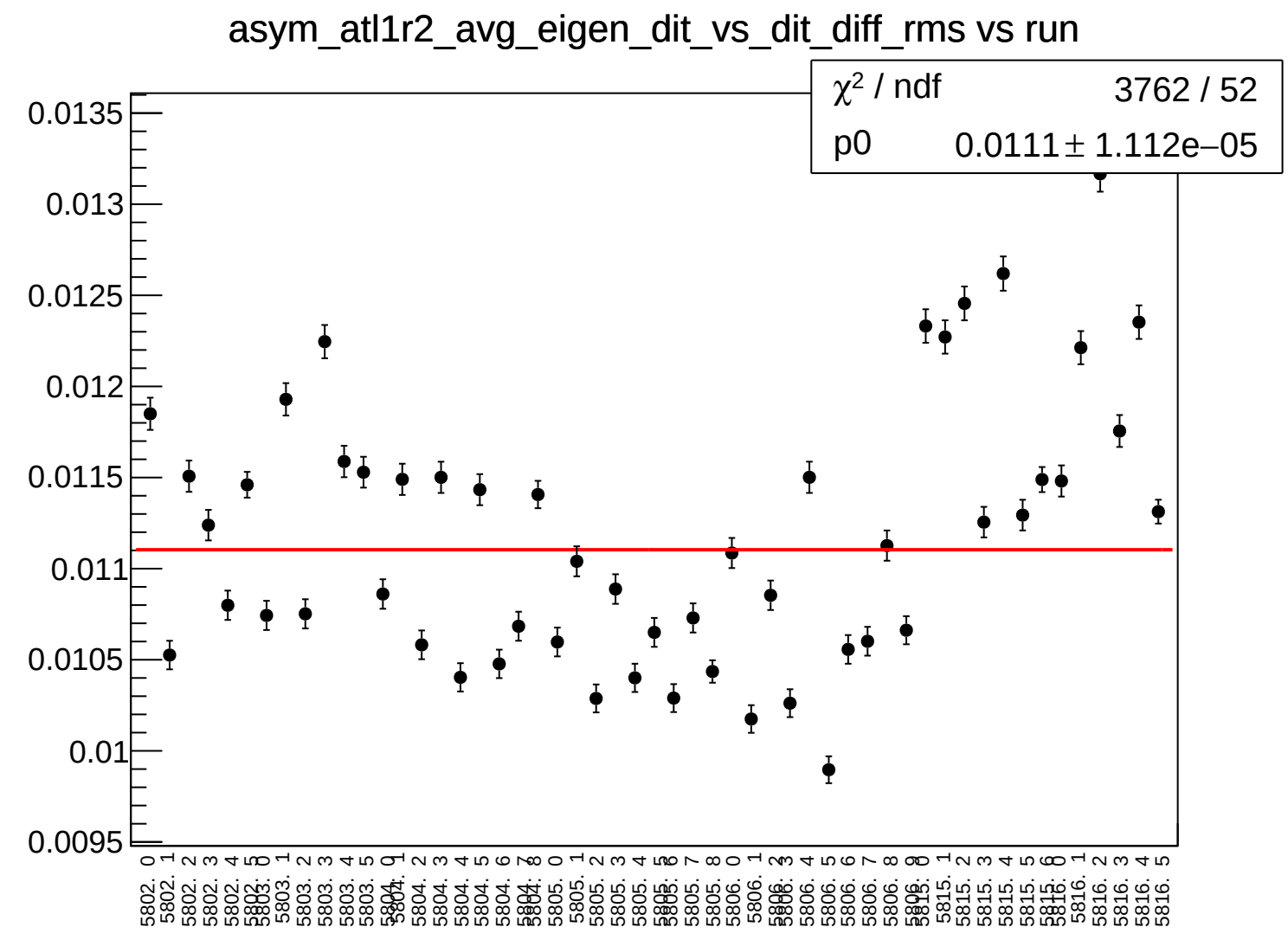

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.32 / 52
p0 0.1031 ± 0.3054
pull
Entries 53
Mean −109.9
Std Dev 0

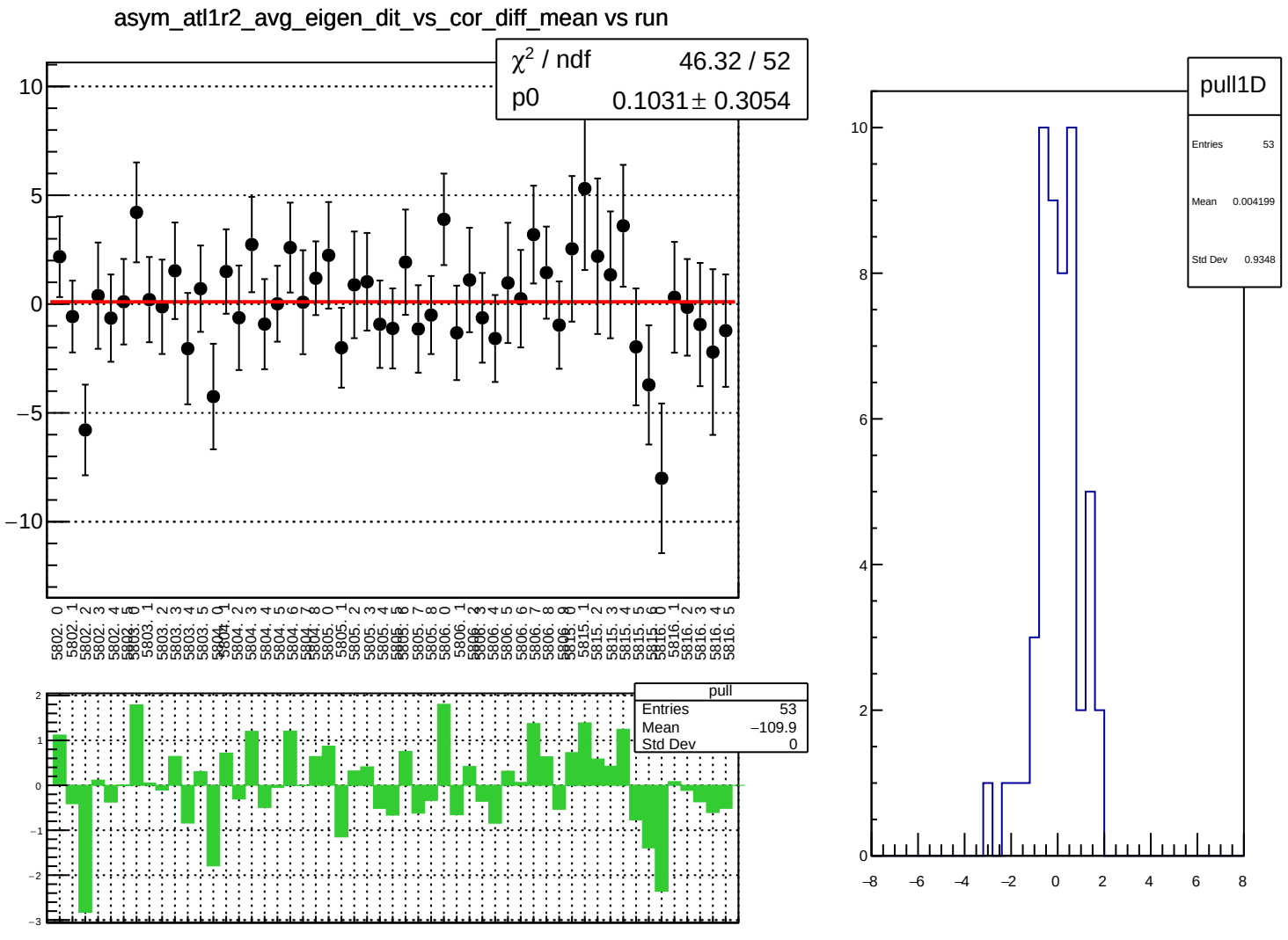

pull1D
Entries 53
Mean 0.0042
Std Dev 0.9348

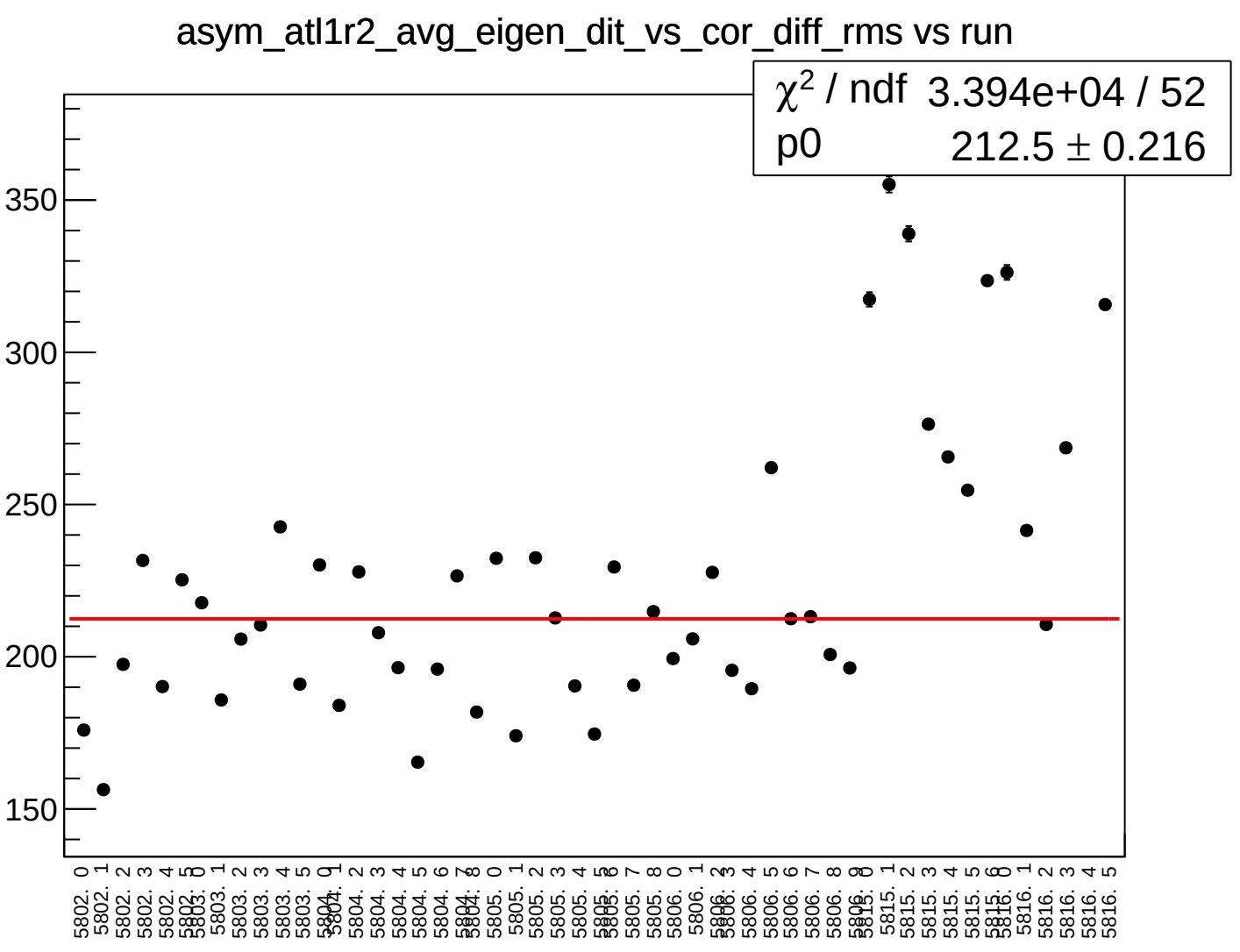

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.394e+04 / 52
p0 212.5 ± 0.216
350
300
250
200
150

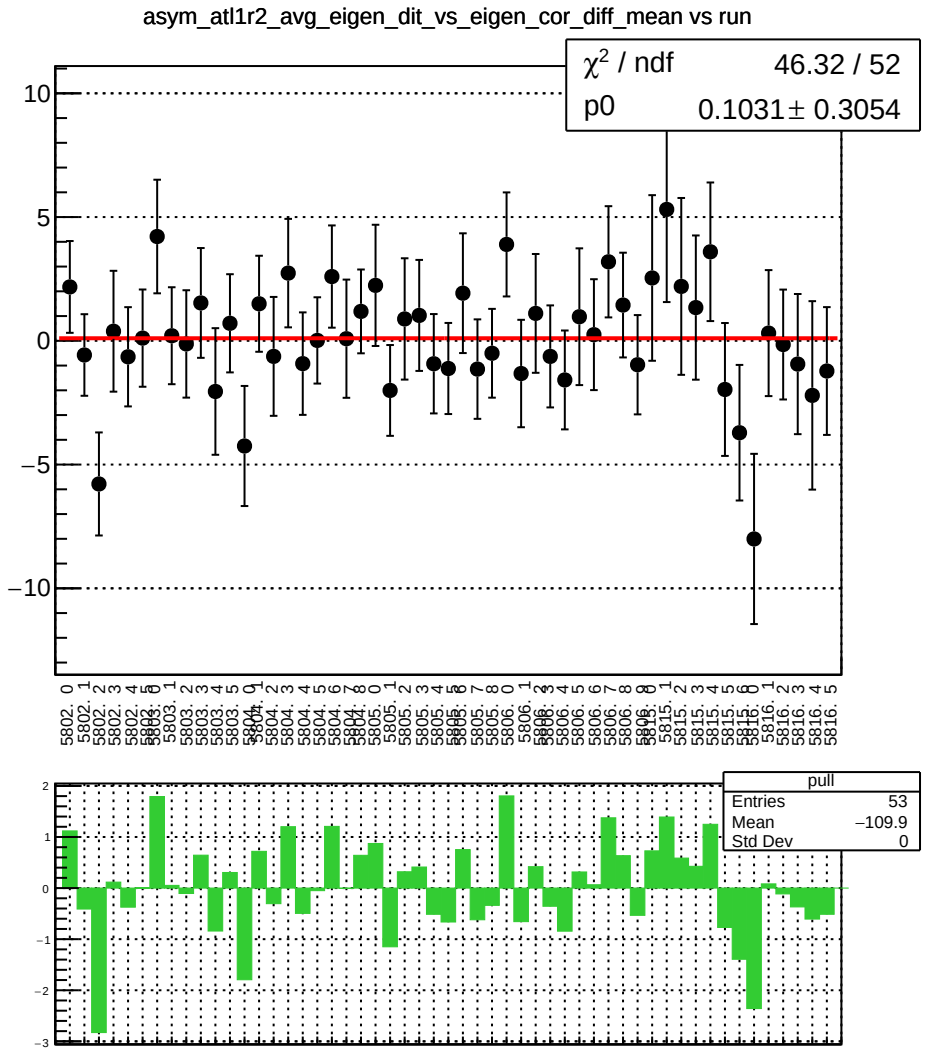

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.75 / 52
p0 3.948e−06 ± 1.572e−05
pull
Entries 53
Mean −97.72
Std Dev 0

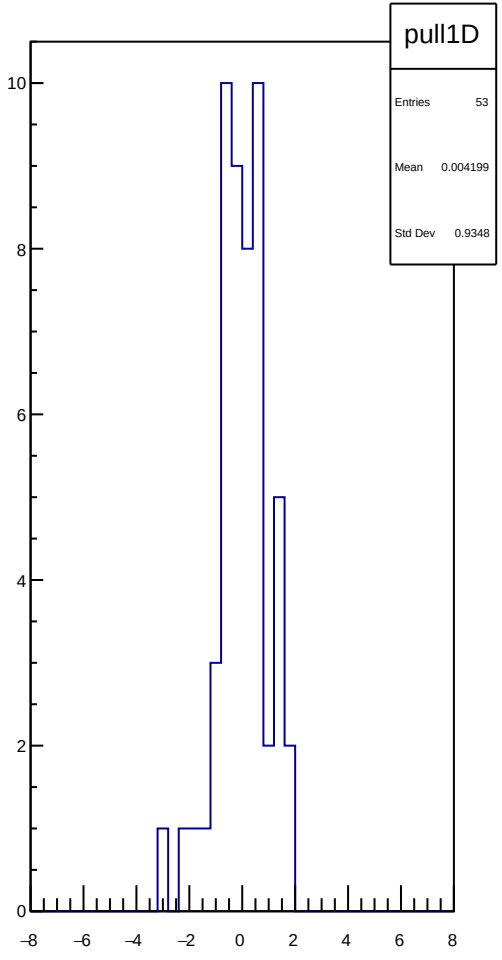

pull1D
Entries 53
Mean −0.02399
Std Dev 1.034

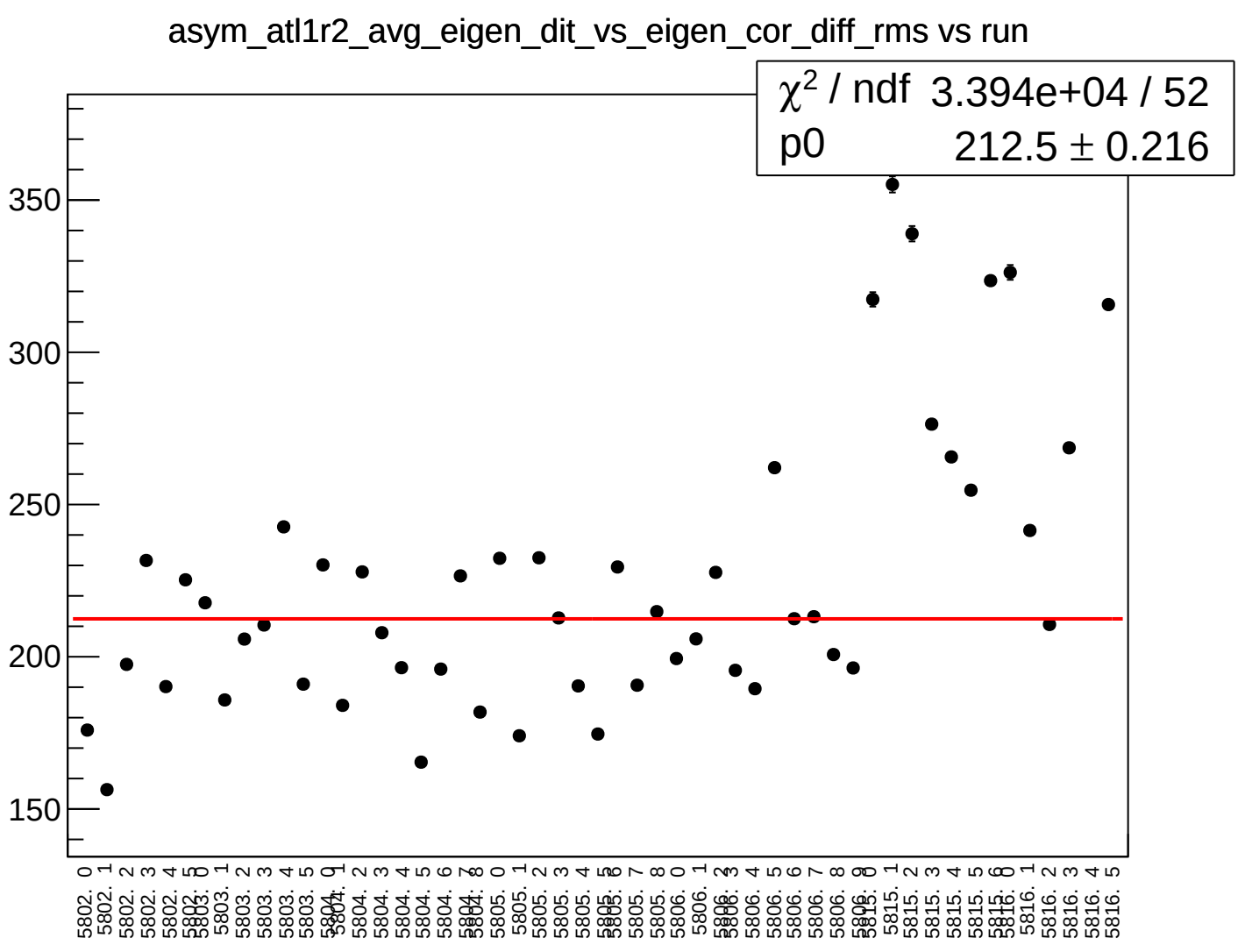

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3762 / 52
p0 0.0111 ± 1.112e−05
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

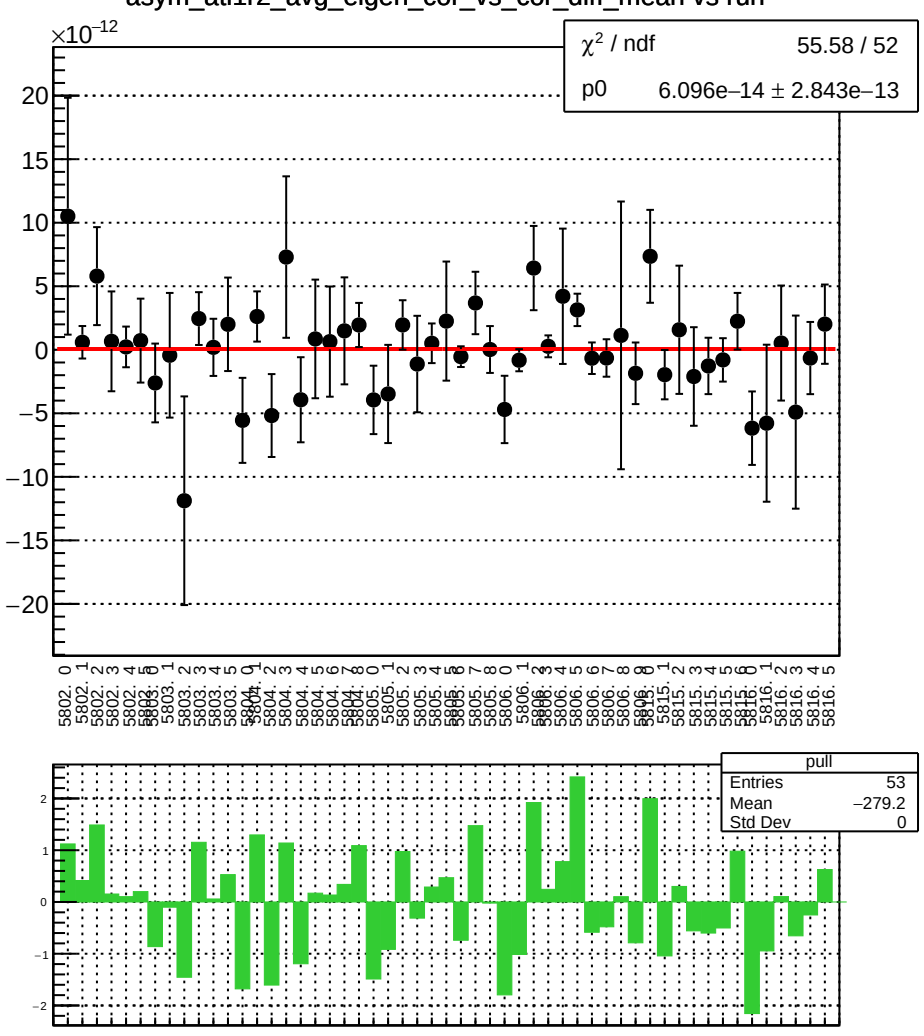

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.32 / 52
p0 0.1031 ± 0.3054
pull
Entries 53
Mean −109.9
Std Dev 0
pull1D
Entries 53
Mean 0.004199
Std Dev 0.9348

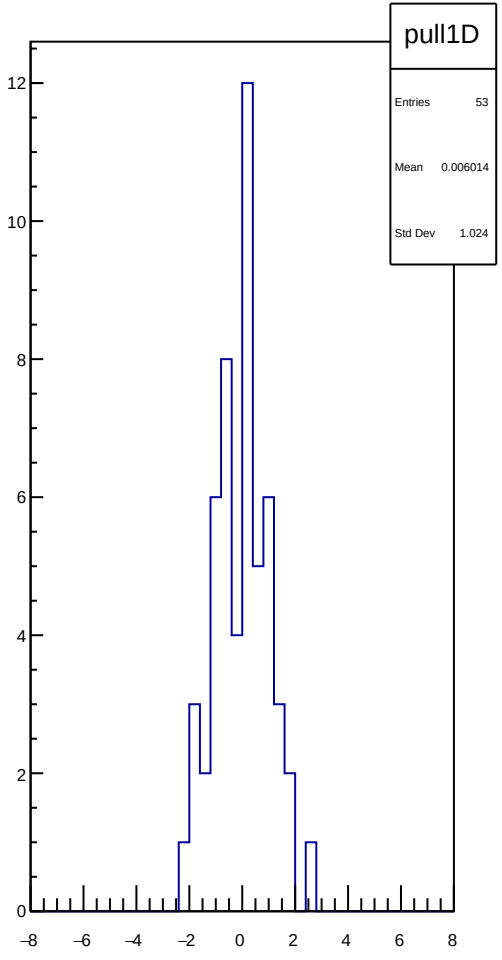

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.394e+04 / 52
p0 212.5 ± 0.216
350
300
250
200
150

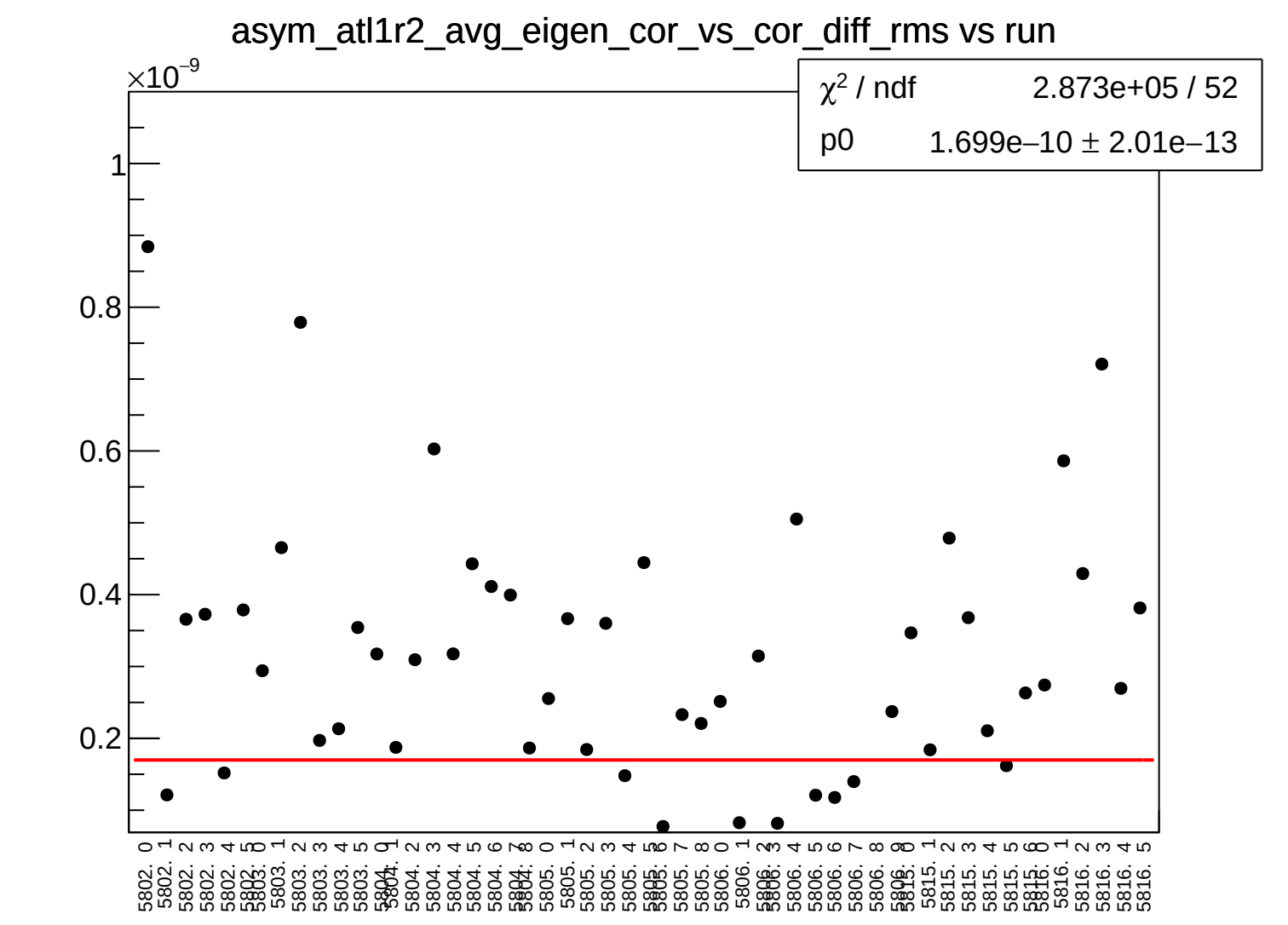

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.32 / 52
p0 0.1031 ± 0.3054
pull
Entries 53
Mean −109.9
Std Dev 0

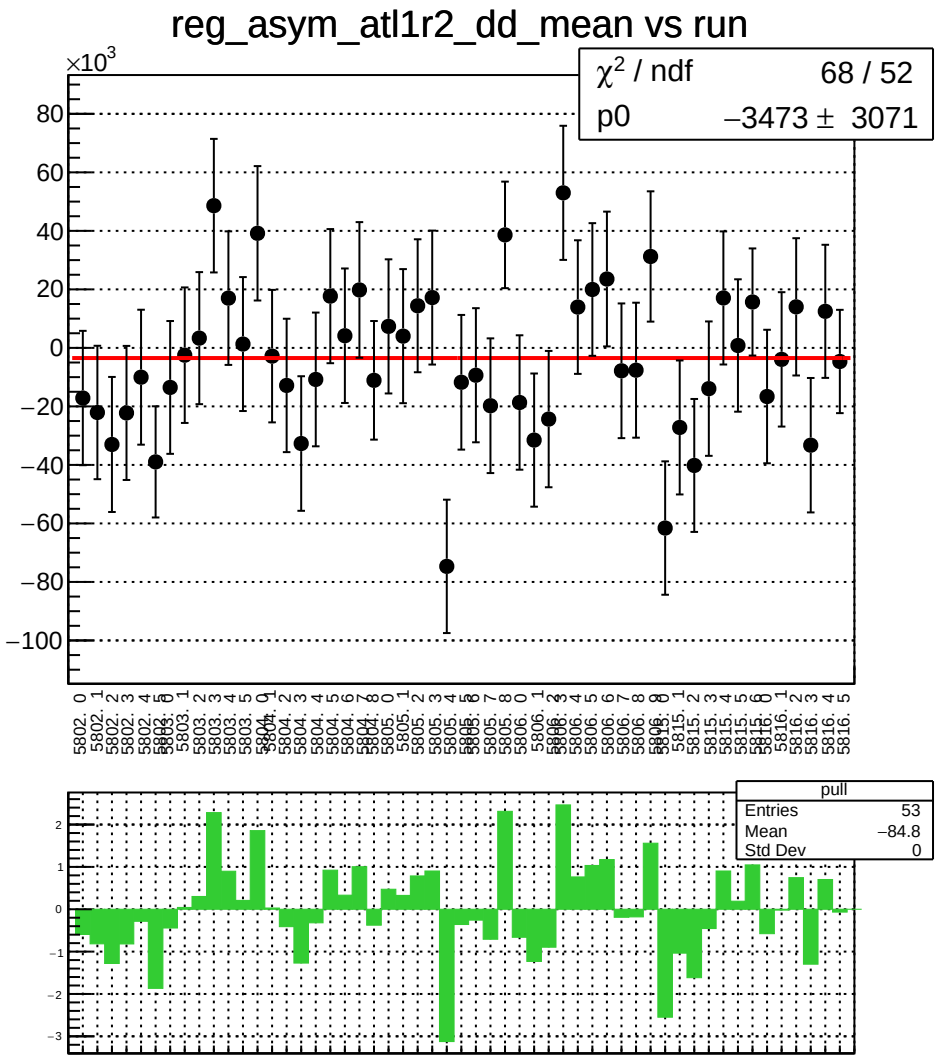

pull1D
Entries 53
Mean 0.004199
Std Dev 0.9348

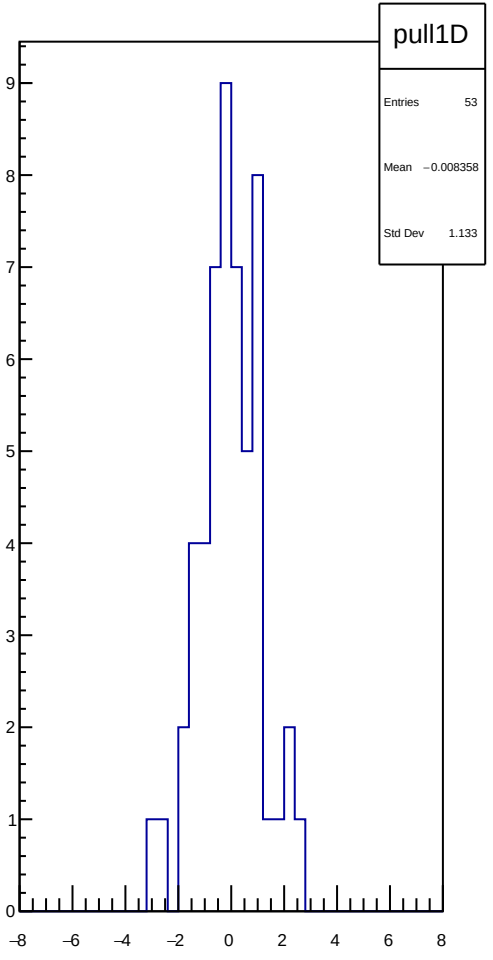

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.394e+04 / 52
p0 212.5 ± 0.216
350
300
250
200
150

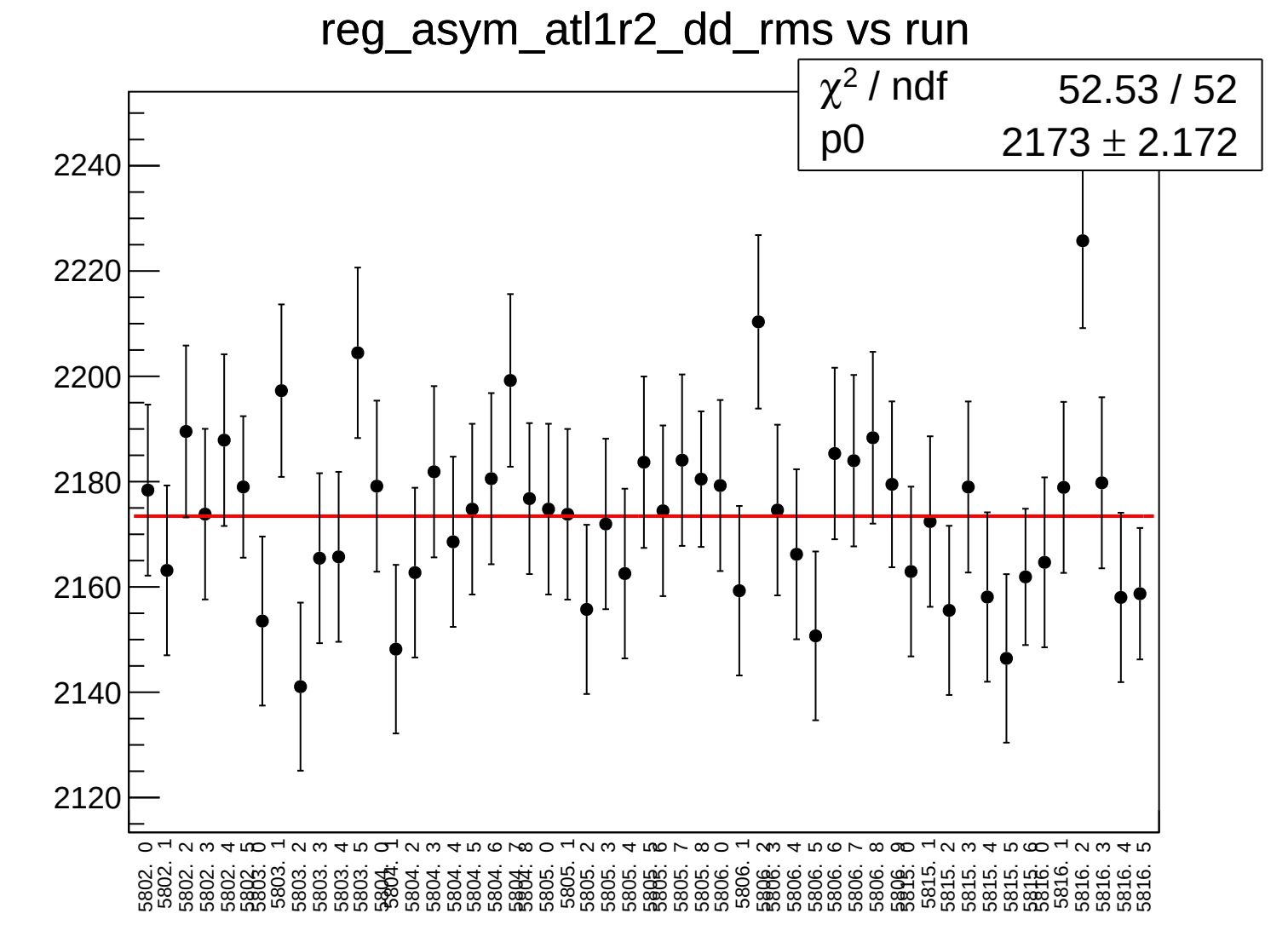

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.58 / 52
p0 6.096e−14 ± 2.843e−13
pull
Entries 53
Mean −279.2
Std Dev 0

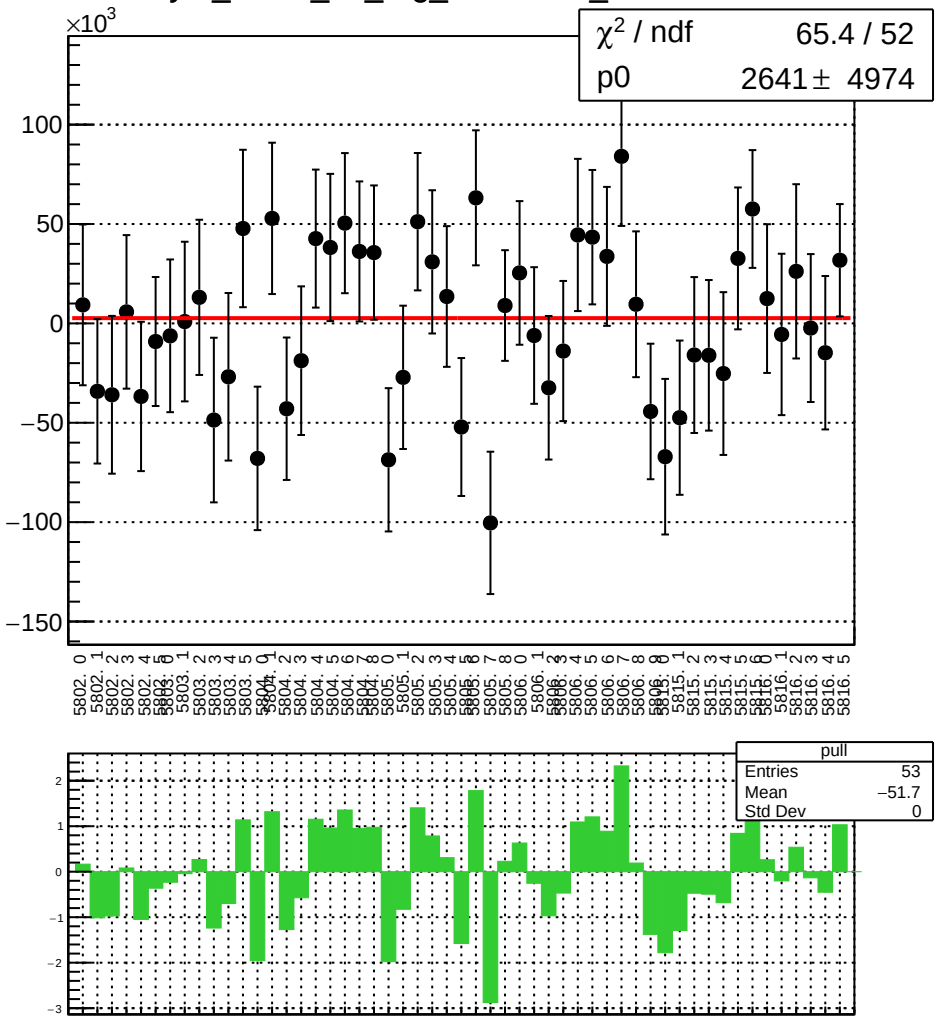

pull1D
Entries 53
Mean 0.006014
Std Dev 1.024

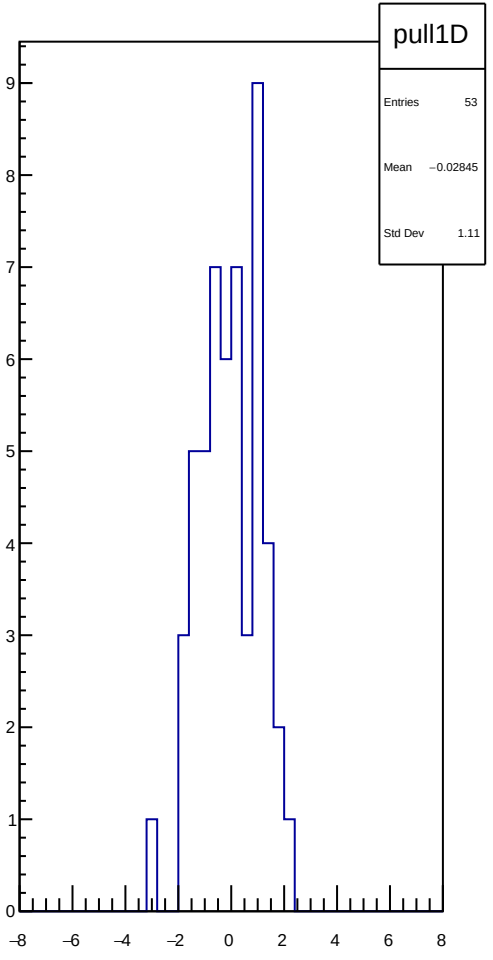

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.873e+05 / 52
p0 1.699e−10 ± 2.01e−13
1
0.8
0.6
0.4
0.2

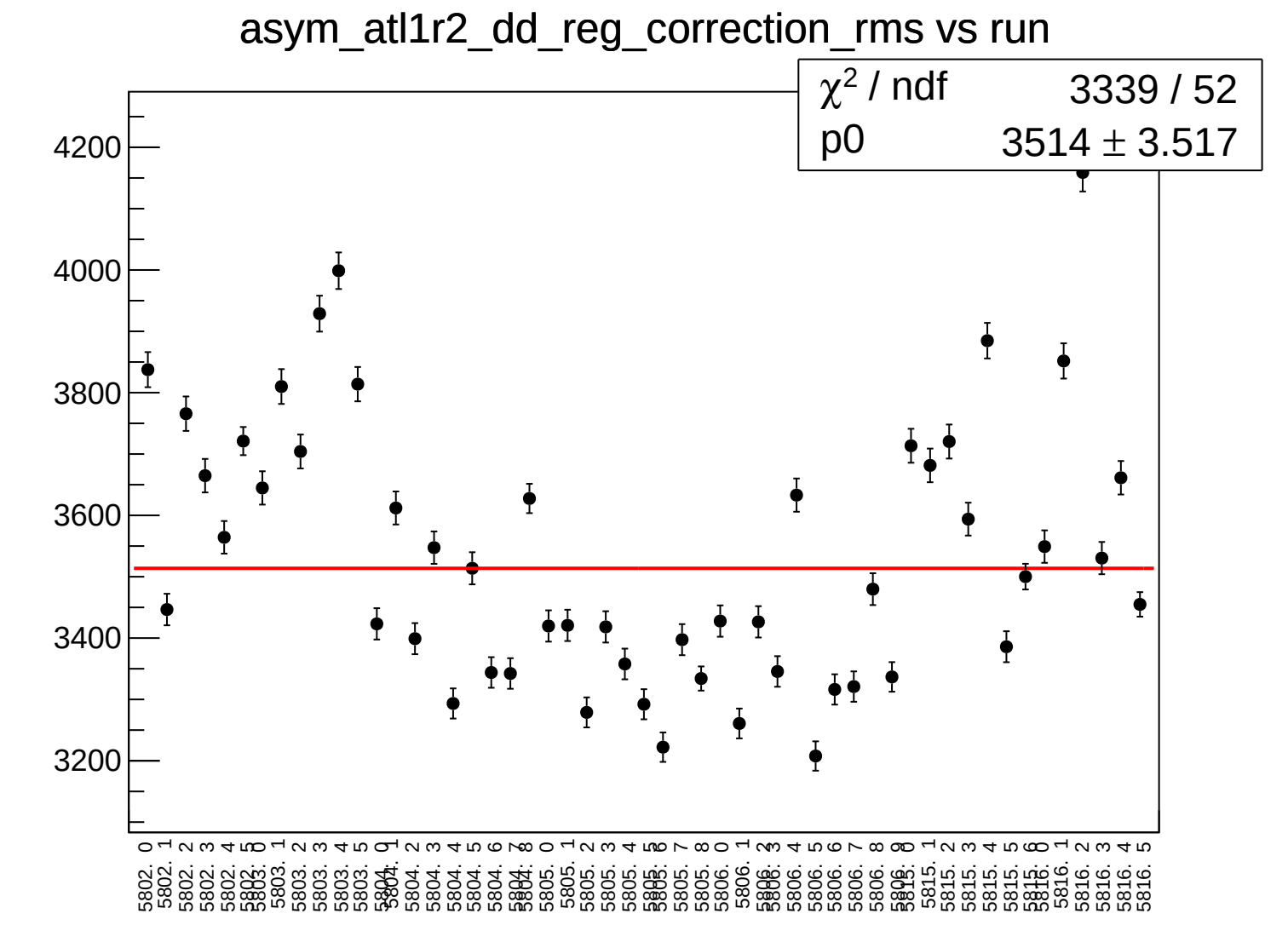

reg_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 68 / 52
p0 −3473 ± 3071
pull
Entries 53
Mean −84.8
Std Dev 0

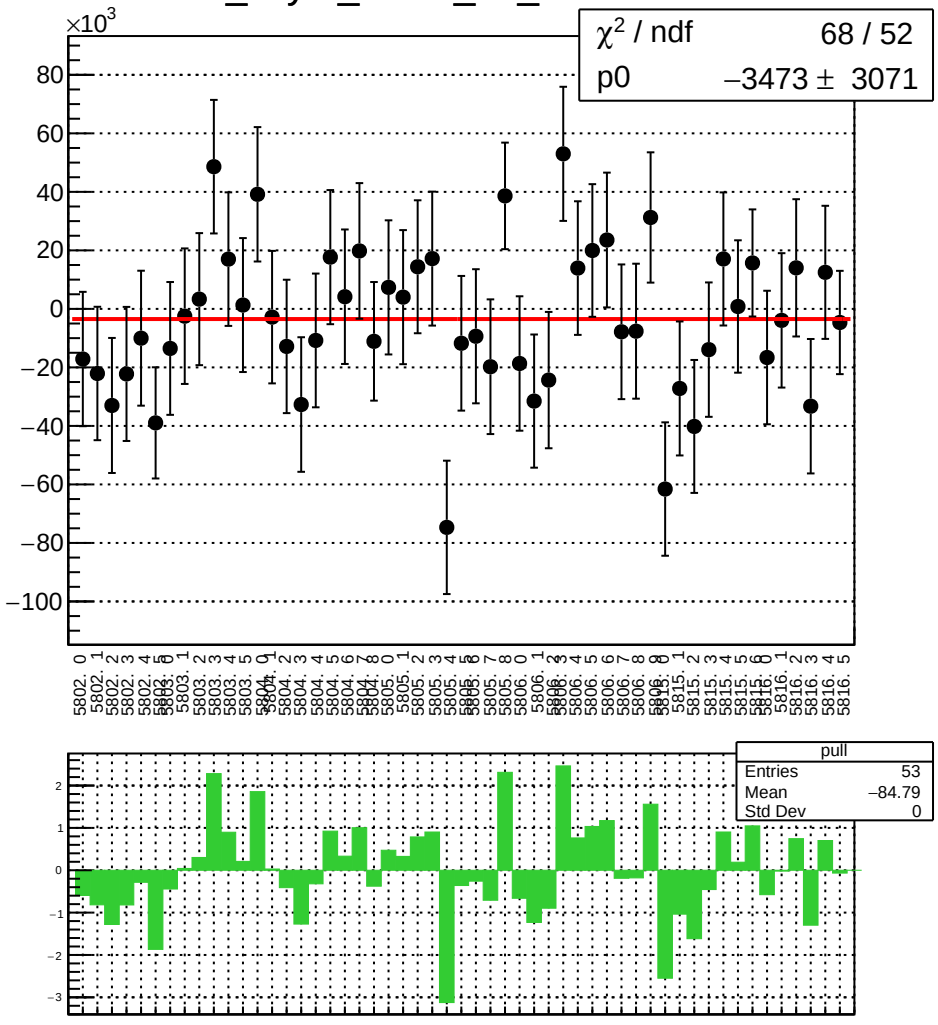

pull1D
Entries 53
Mean −0.008358
Std Dev 1.133

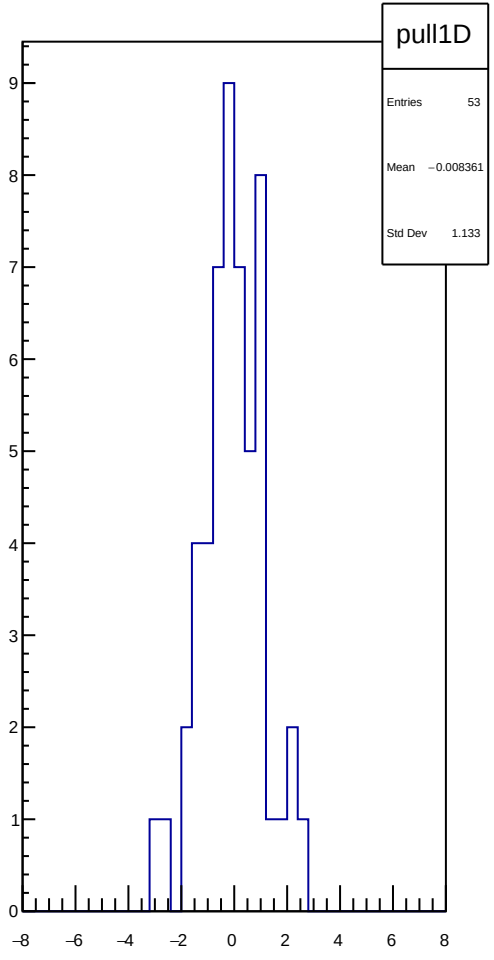

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 52.53 / 52
p0 2173 ± 2.172
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

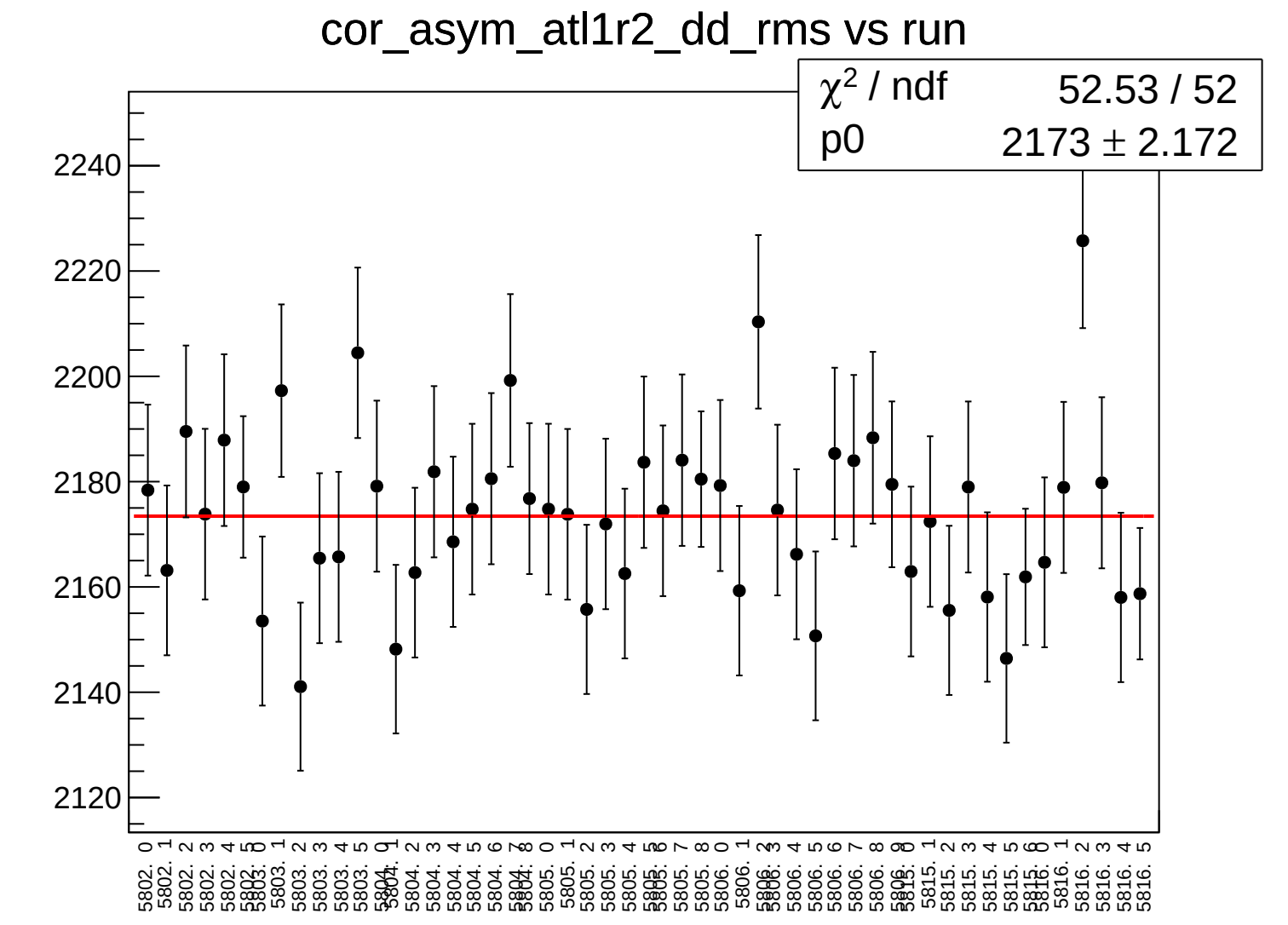

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.4 / 52
p0 2641 ± 4974
100
50
0
−50
−100
−150
pull
Entries 53
Mean −51.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.02845
Std Dev 1.11
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 3339 / 52
p0 3514 ± 3.517
4200
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


cor_asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 68 / 52
p0 −3473 ± 3071
pull
Entries 53
Mean −84.79
Std Dev 0


pull1D
Entries 53
Mean −0.008361
Std Dev 1.133


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 52.53 / 52
p0 2173 ± 2.172
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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5815. 3
5815. 4
5815. 5
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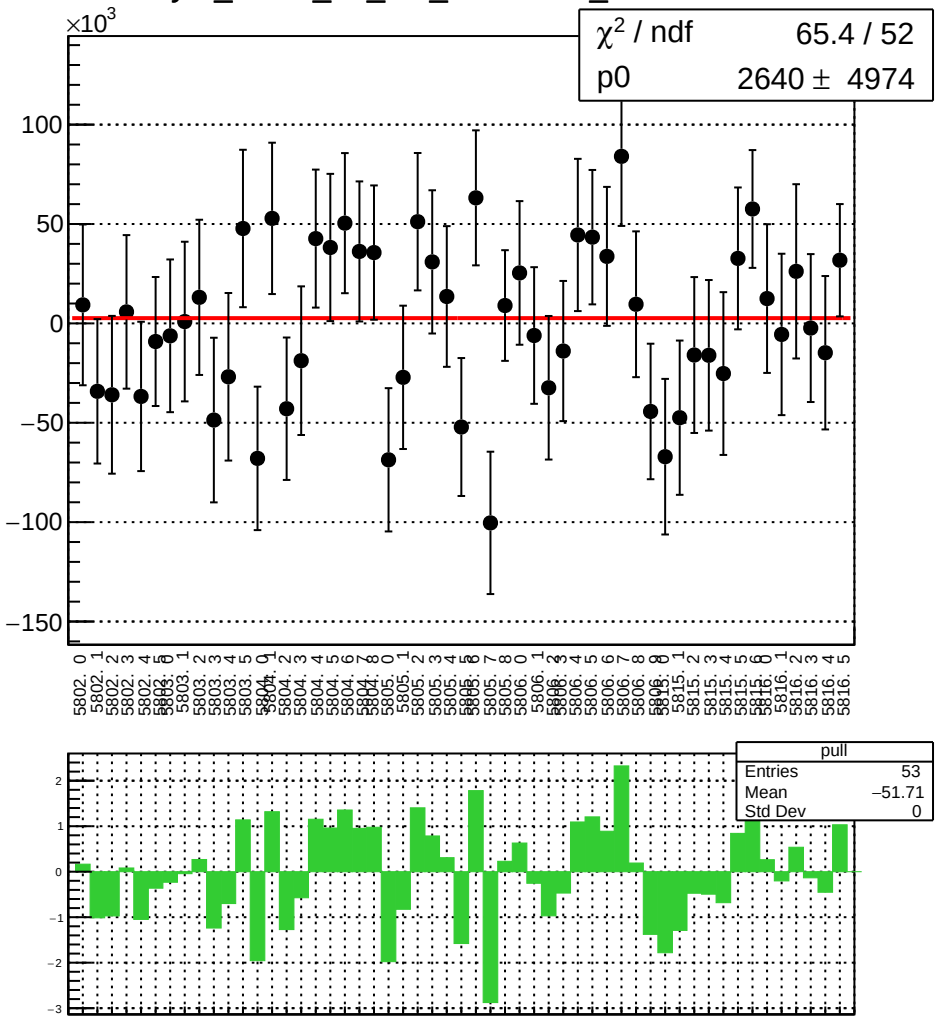
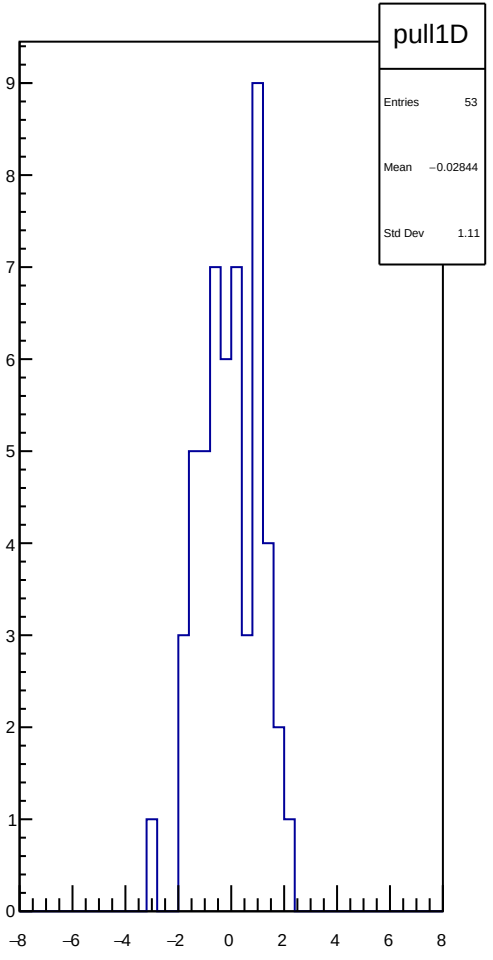
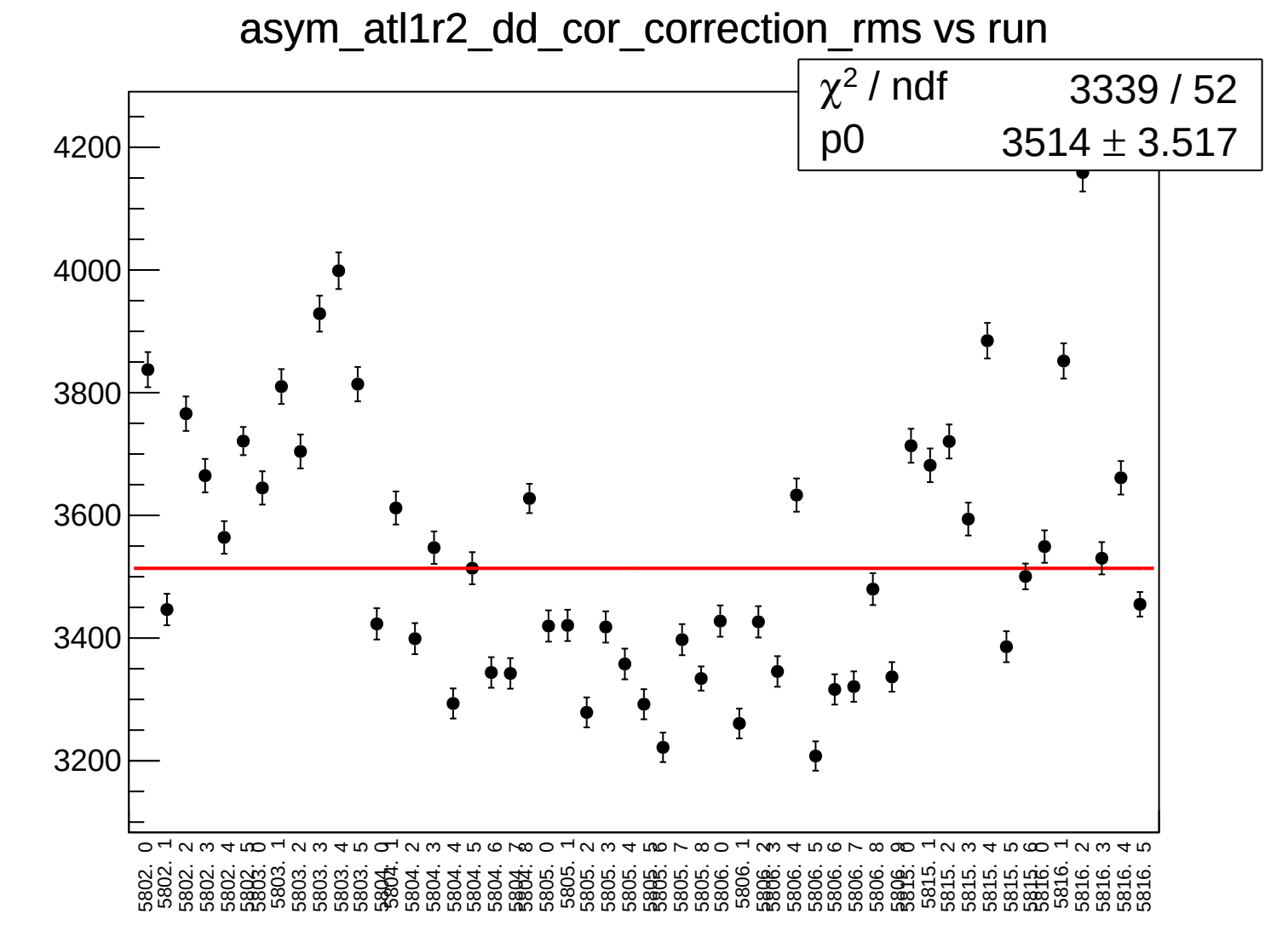
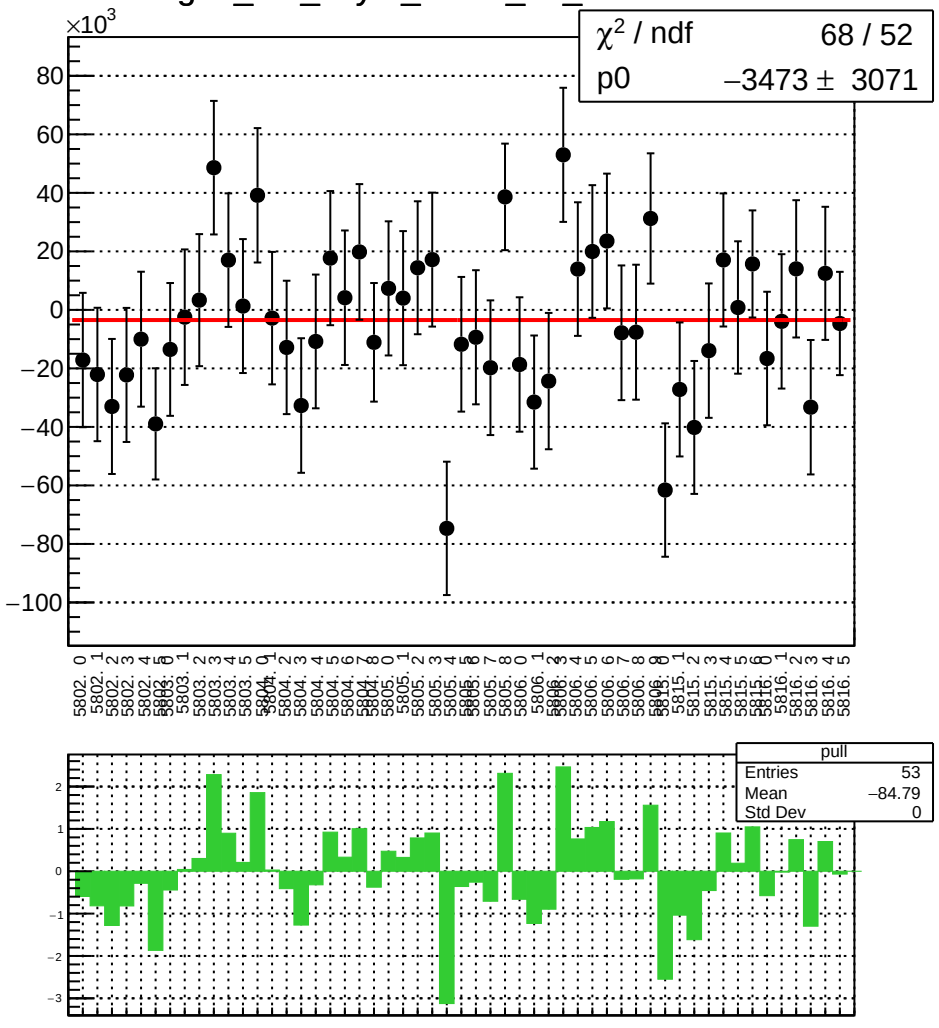
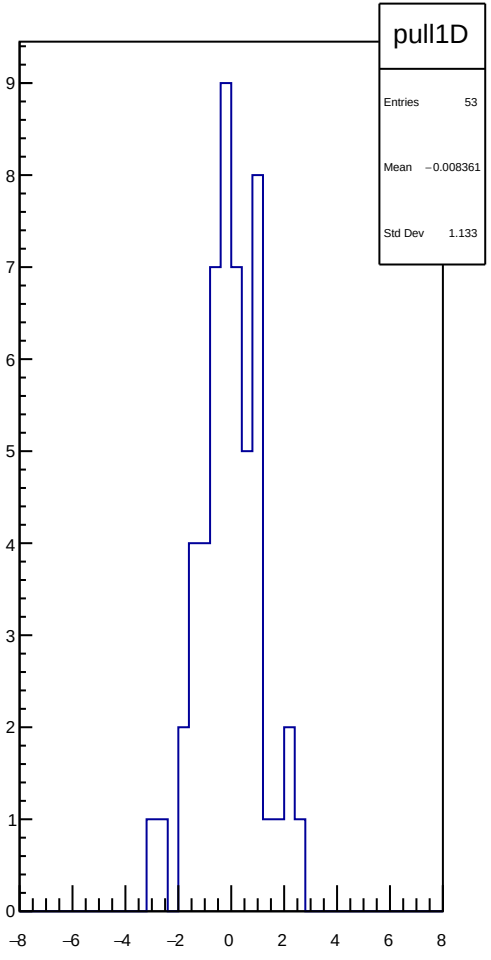
5816. 4
5816. 5

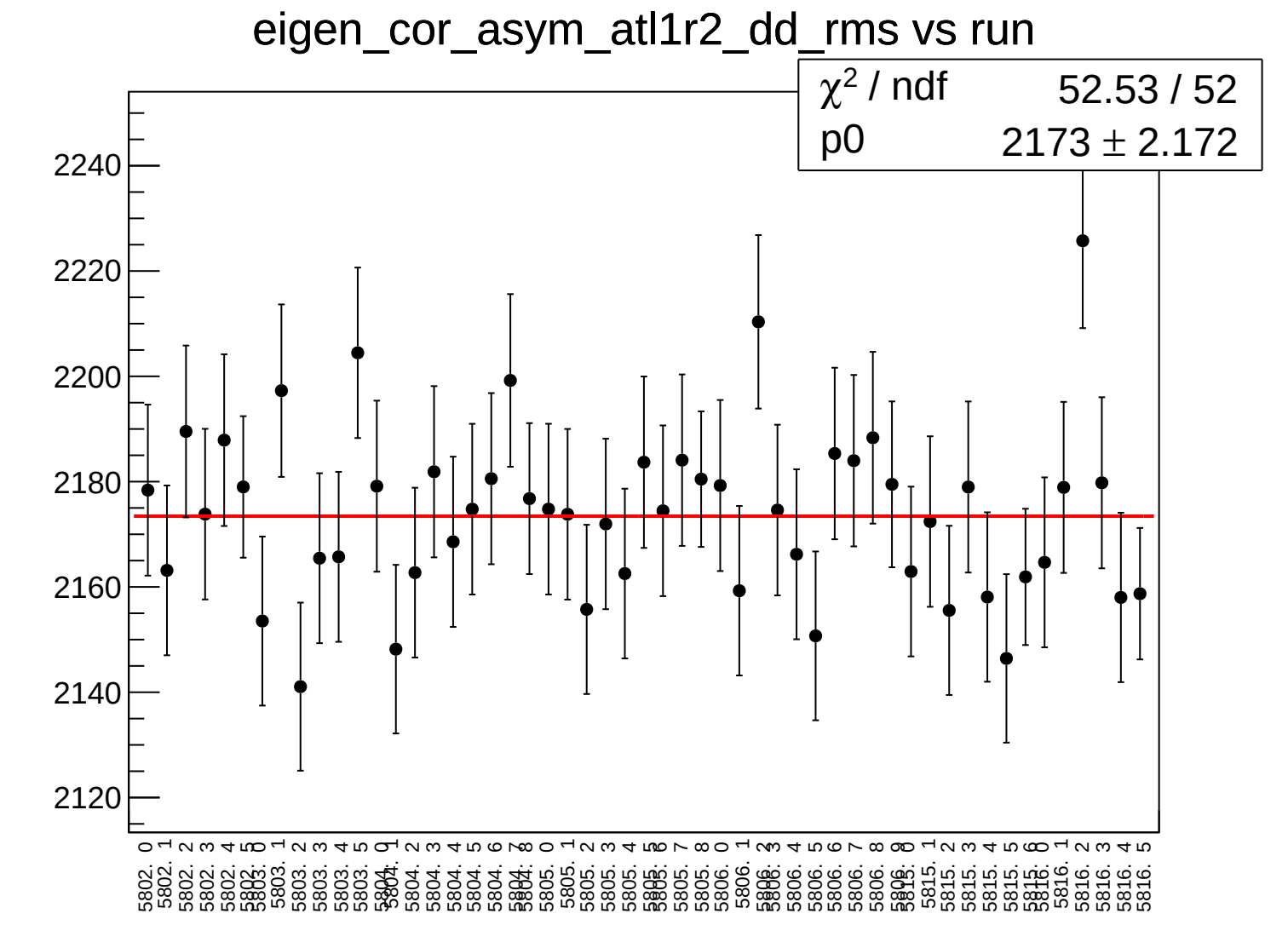

asym_atl1r2_dd_cor_correction_mean vs run
χ² / ndf 65.4 / 52
p0 2640 ± 4974
×10³
pull
Entries 53
Mean −51.71
Std Dev 0


pull1D
Entries 53
Mean −0.02844
Std Dev 1.11


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 3339 / 52
p0 3514 ± 3.517
4200
4000
3800
3600
3400
3200


eigen_cor_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 68 / 52
p0 −3473 ± 3071
pull
Entries 53
Mean −84.79
Std Dev 0


pull1D
Entries 53
Mean −0.008361
Std Dev 1.133


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 52.53 / 52
p0 2173 ± 2.172
2240
2220
2200
2180
2160
2140
2120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
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5804. 6
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5806. 0
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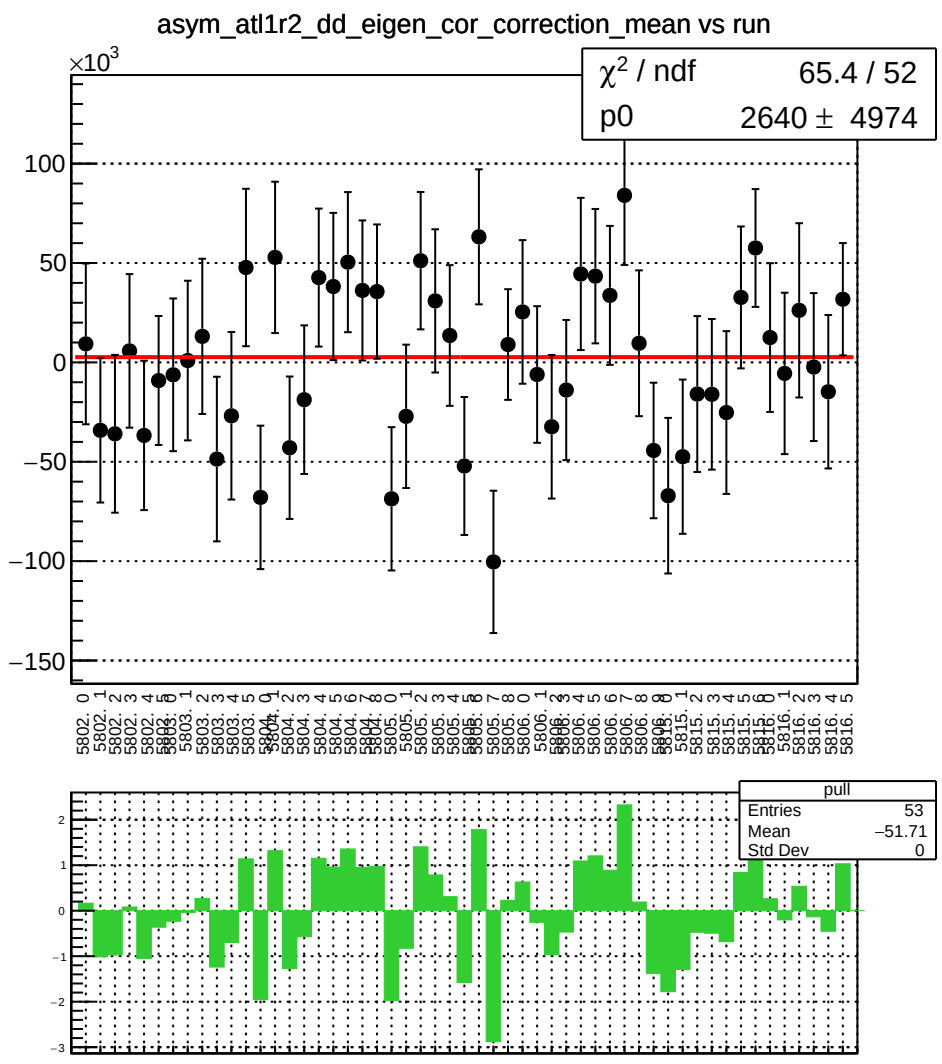
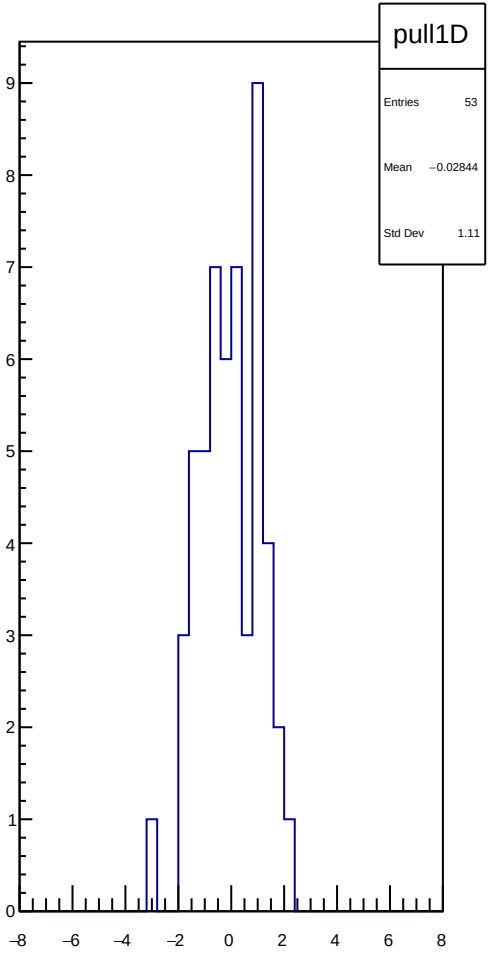
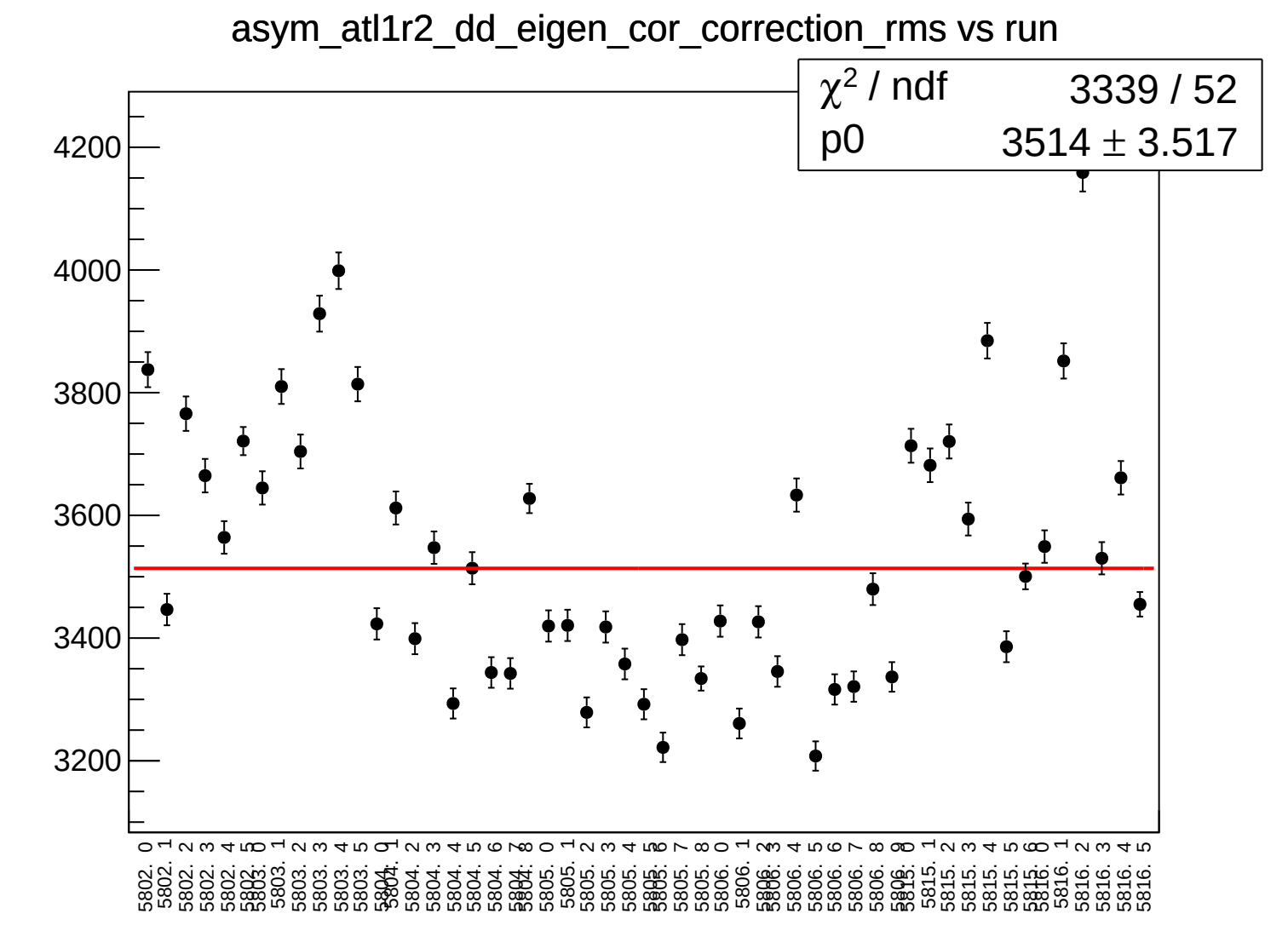
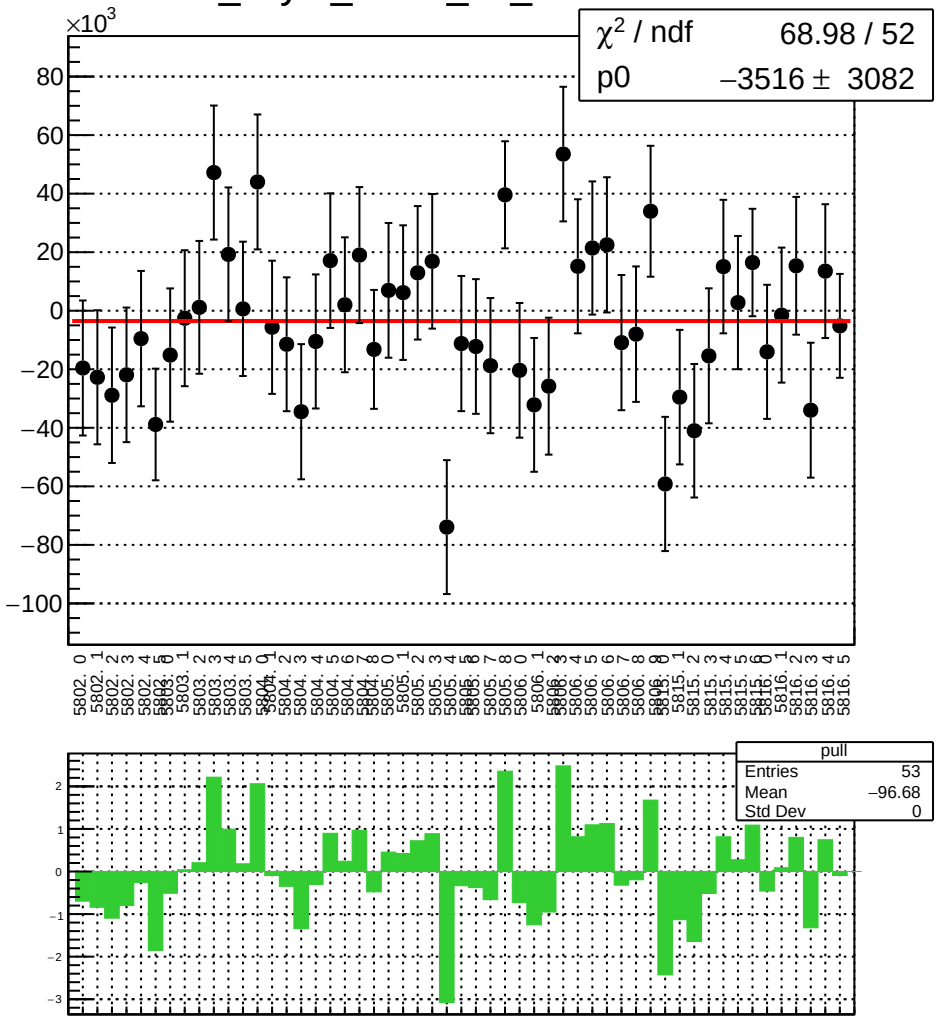
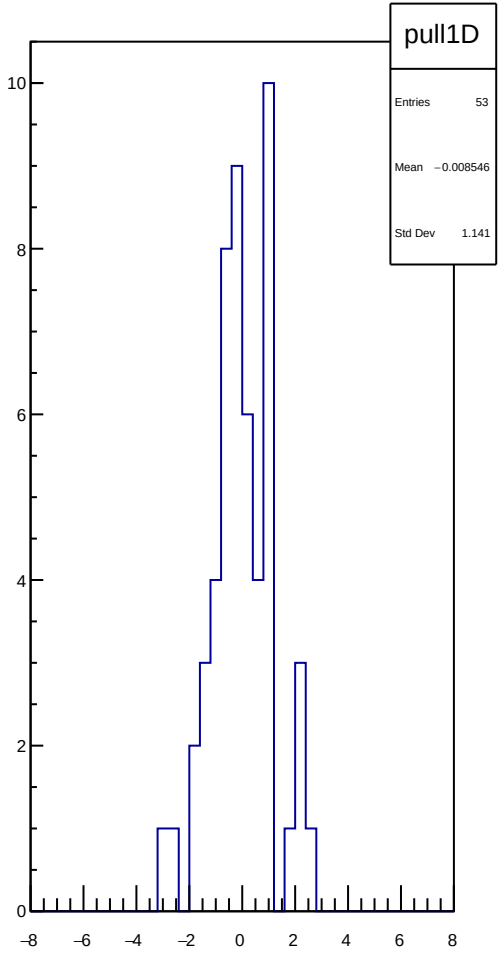
5816. 4
5816. 5

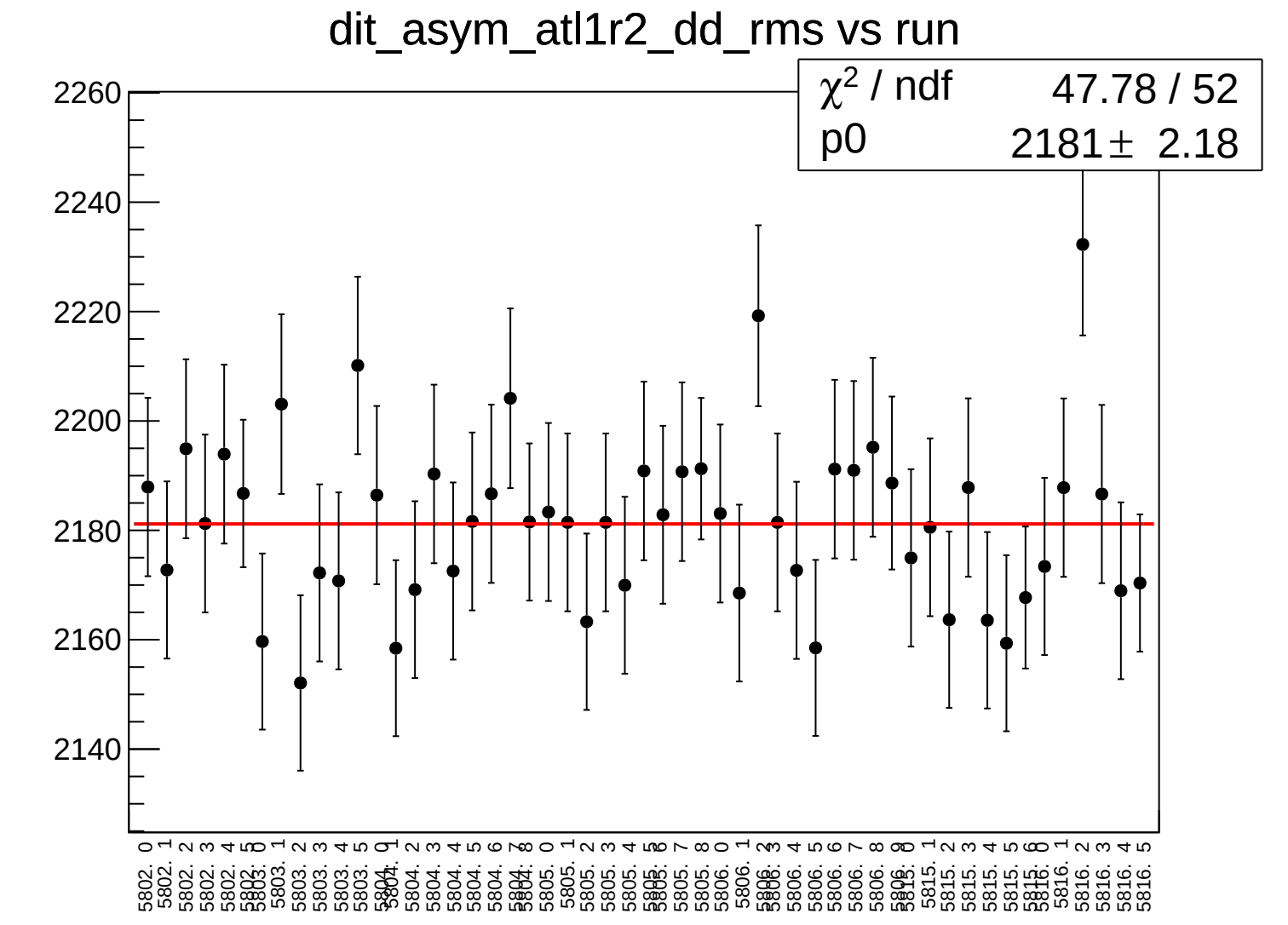

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.4 / 52
p0 2640 ± 4974
100
50
0
−50
−100
−150
pull
Entries 53
Mean −51.71
Std Dev 0
2
1
0
−1
−2
−3

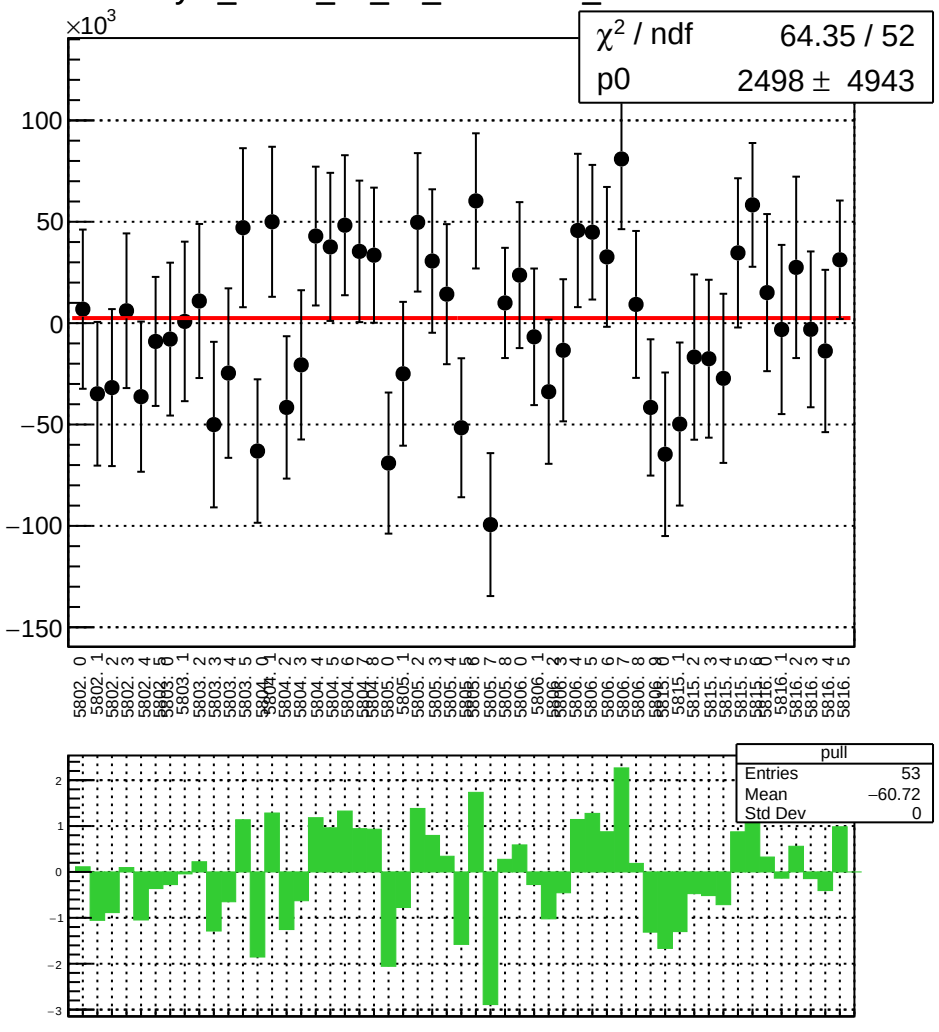

pull1D
Entries 53
Mean −0.02844
Std Dev 1.11
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

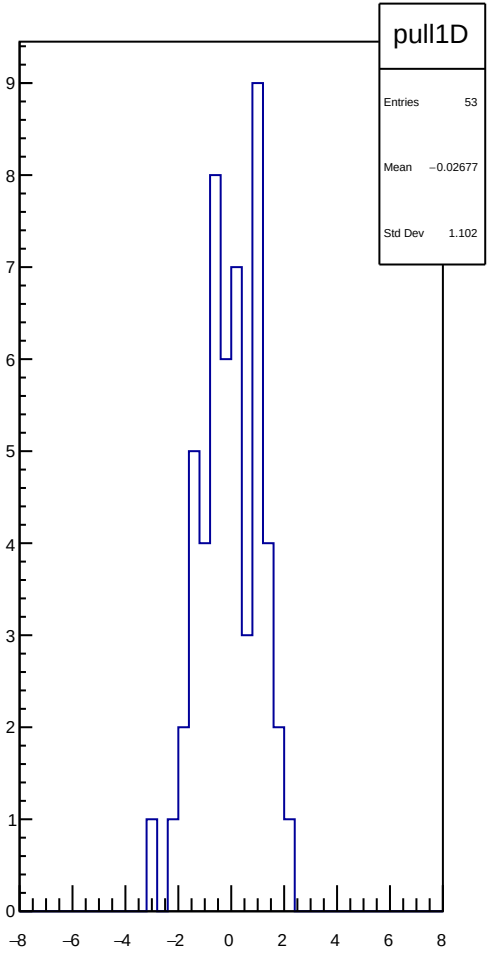

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 3339 / 52
p0 3514 ± 3.517
4200
4000
3800
3600
3400
3200

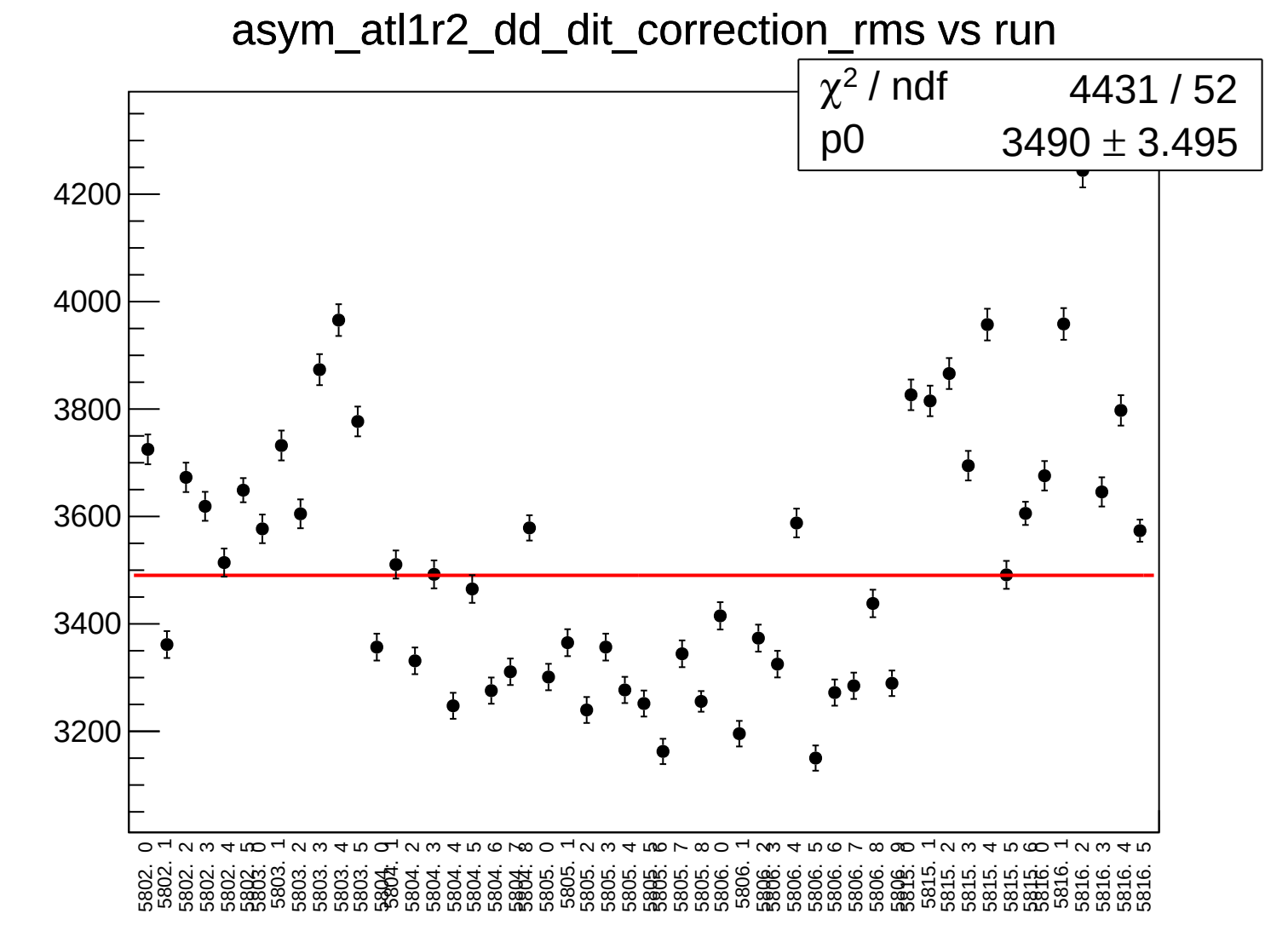

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 68.98 / 52
p0 −3516 ± 3082
pull
Entries 53
Mean −96.68
Std Dev 0

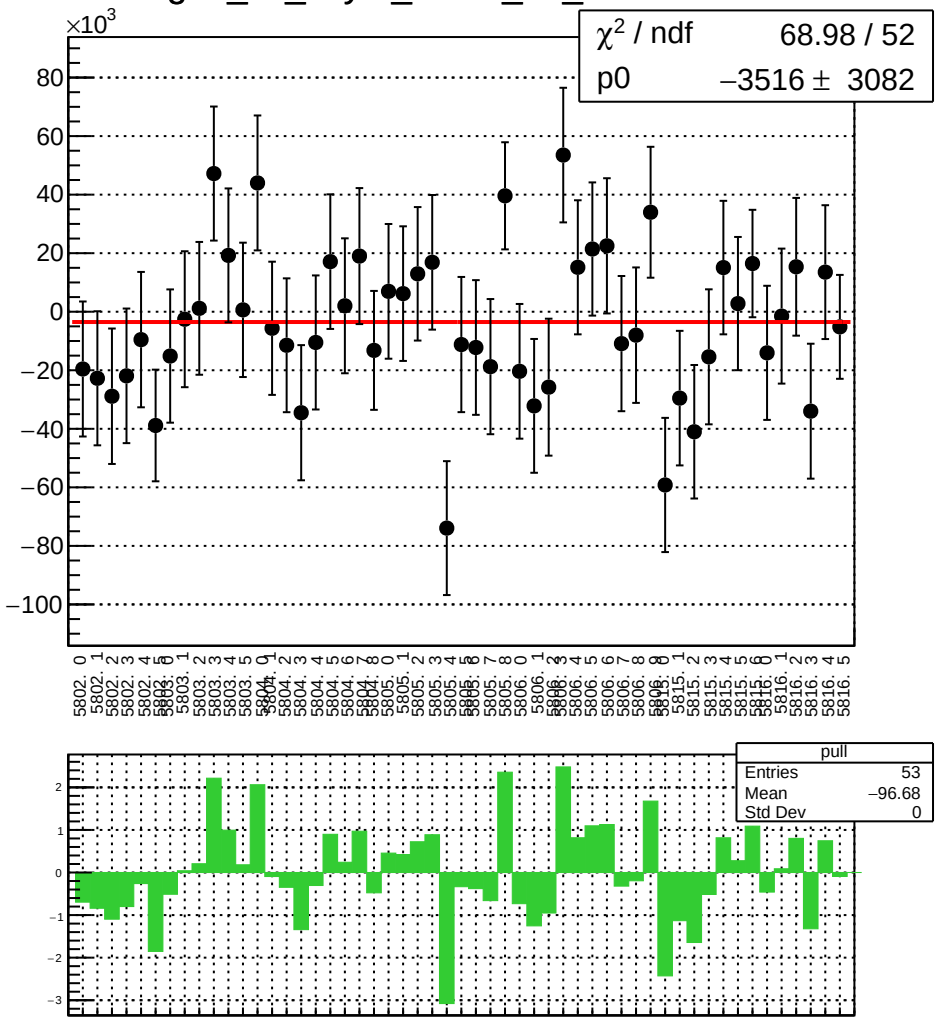

pull1D
Entries 53
Mean −0.008546
Std Dev 1.141

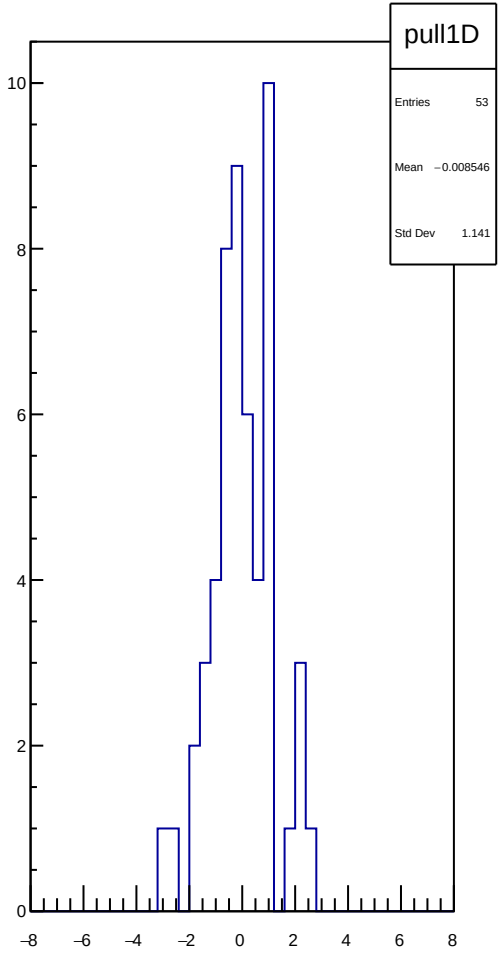

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.78 / 52
p0 2181 ± 2.18
2260
2240
2220
2200
2180
2160
2140

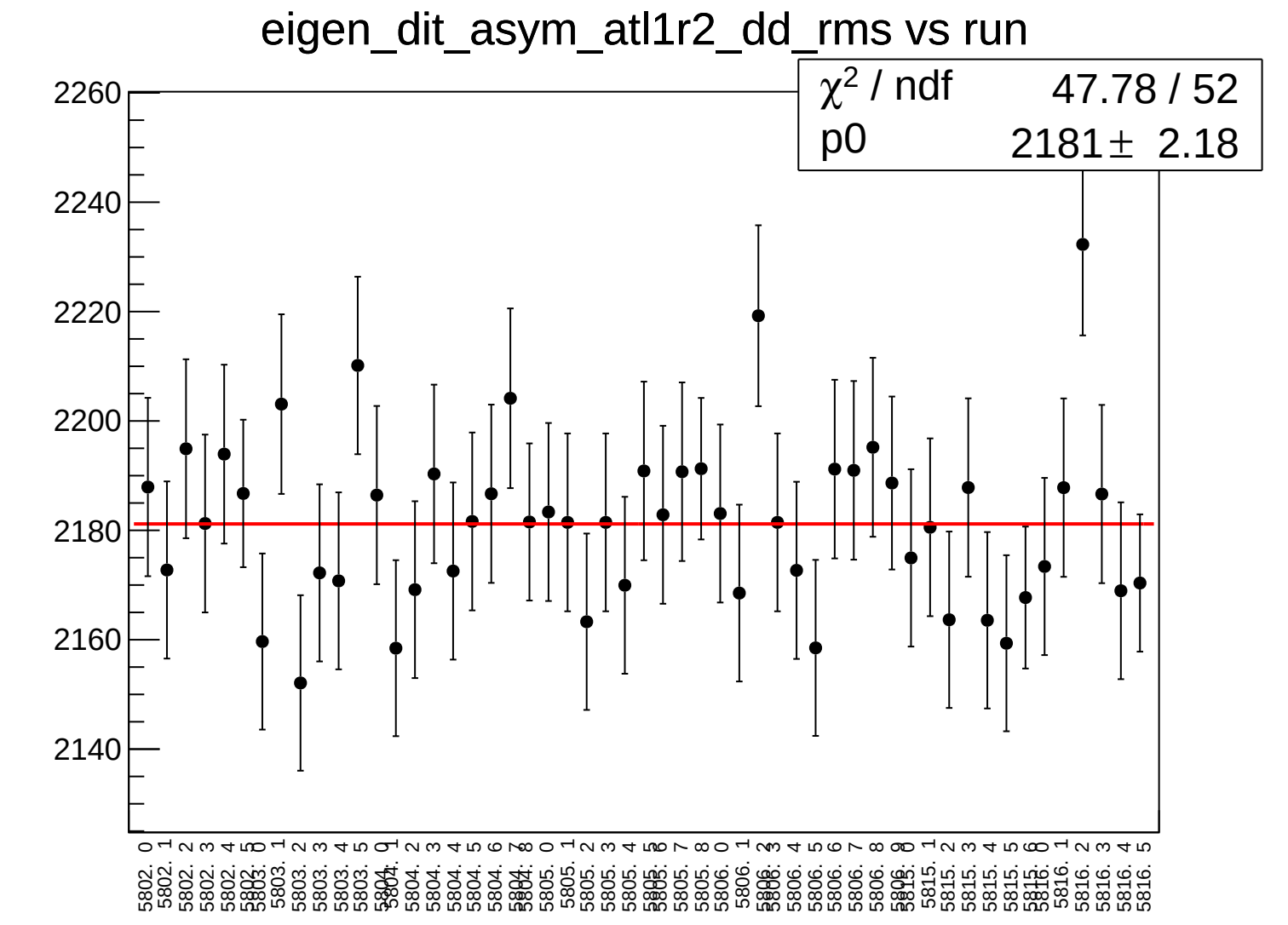

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.35 / 52
p0 2498 ± 4943
100
50
0
−50
−100
−150
pull
Entries 53
Mean −60.72
Std Dev 0
2
1
0
−1
−2
−3

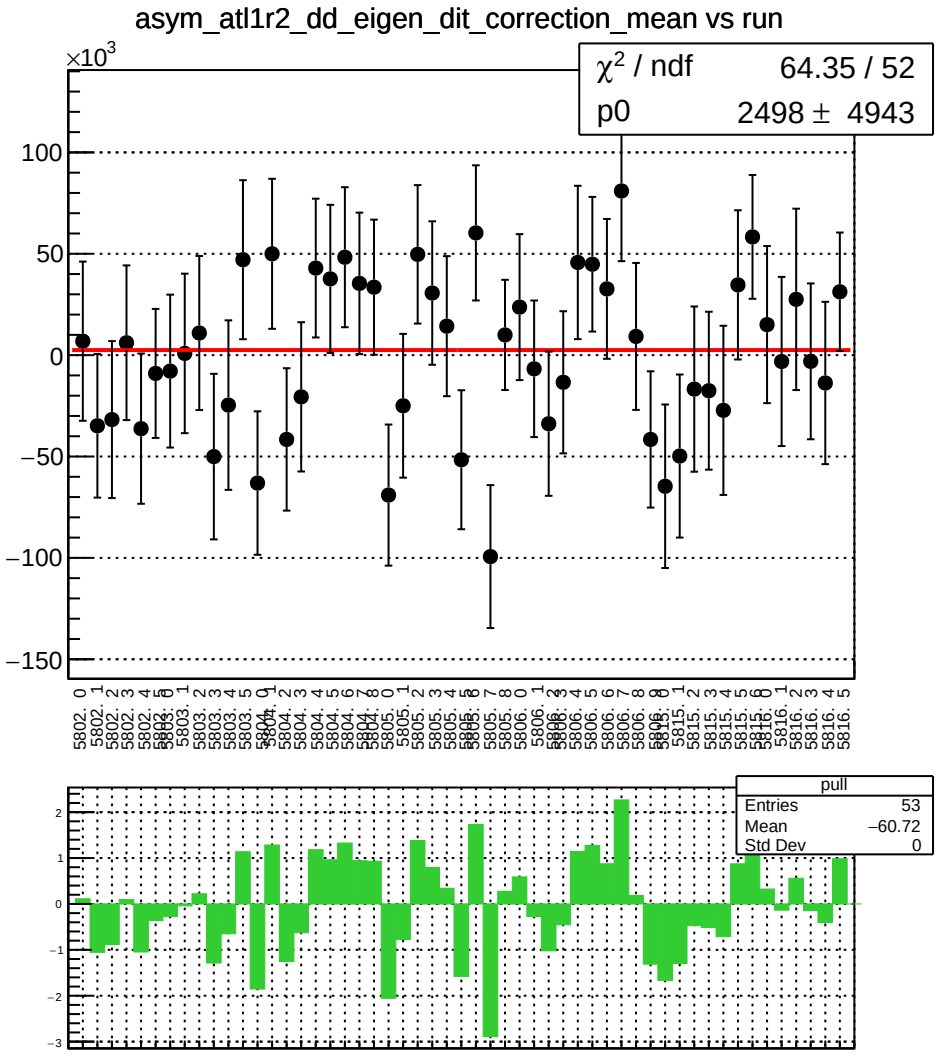

pull1D
Entries 53
Mean −0.02677
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

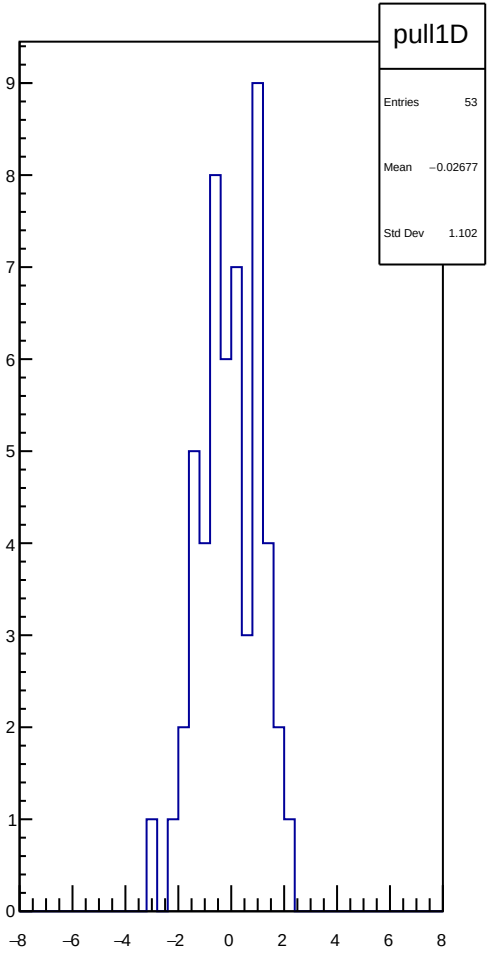

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 4431 / 52
p0 3490 ± 3.495
4200
4000
3800
3600
3400
3200

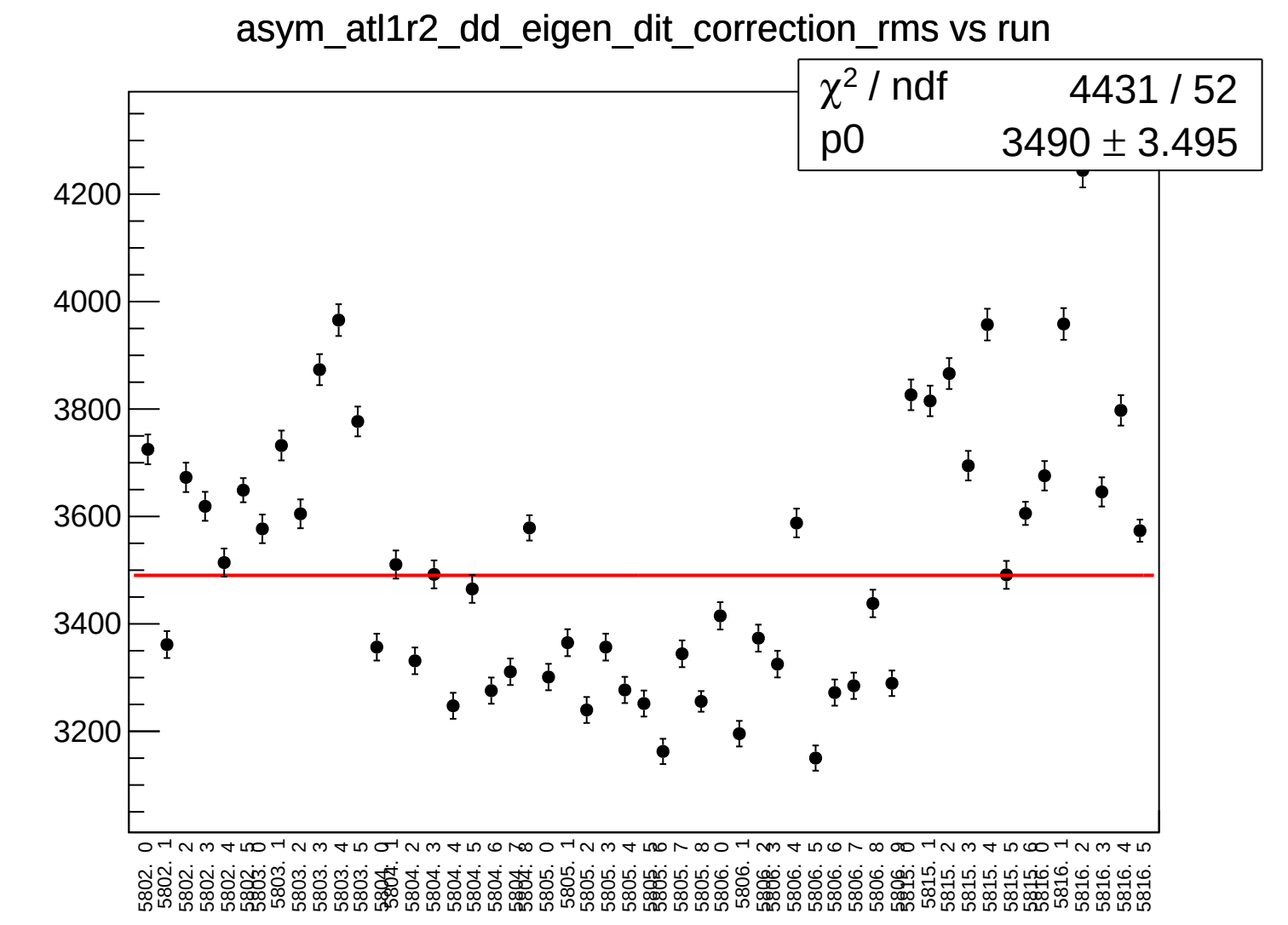

eigen_dit_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 68.98 / 52
p0 −3516 ± 3082
pull
Entries 53
Mean −96.68
Std Dev 0

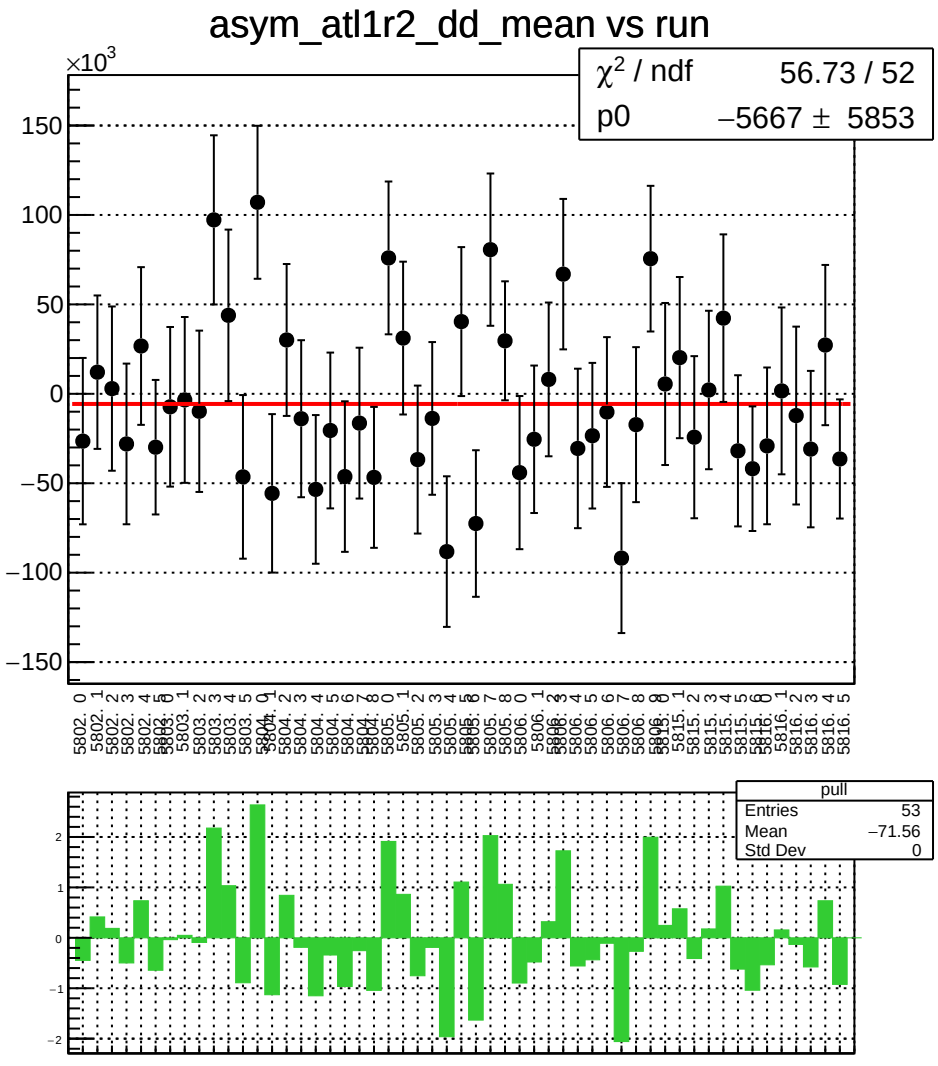

pull1D
Entries 53
Mean −0.008546
Std Dev 1.141

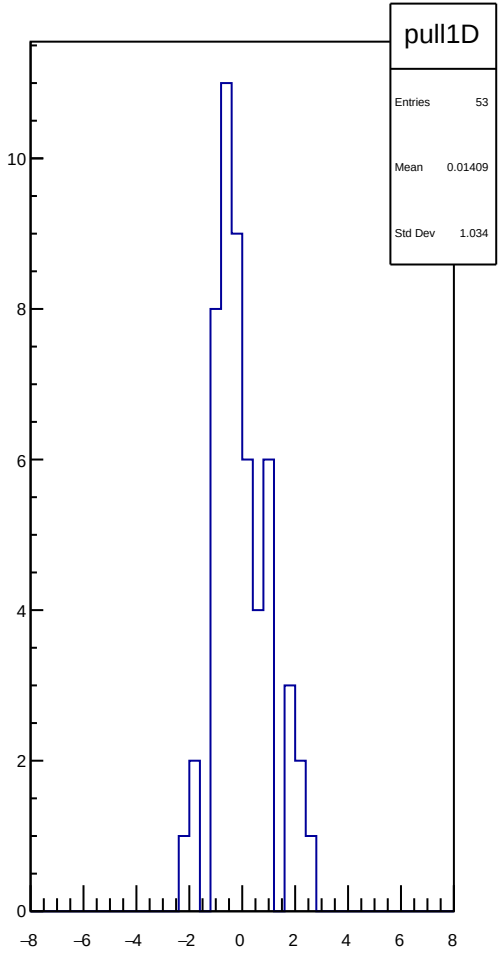

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.78 / 52
p0 2181 ± 2.18
2260
2240
2220
2200
2180
2160
2140

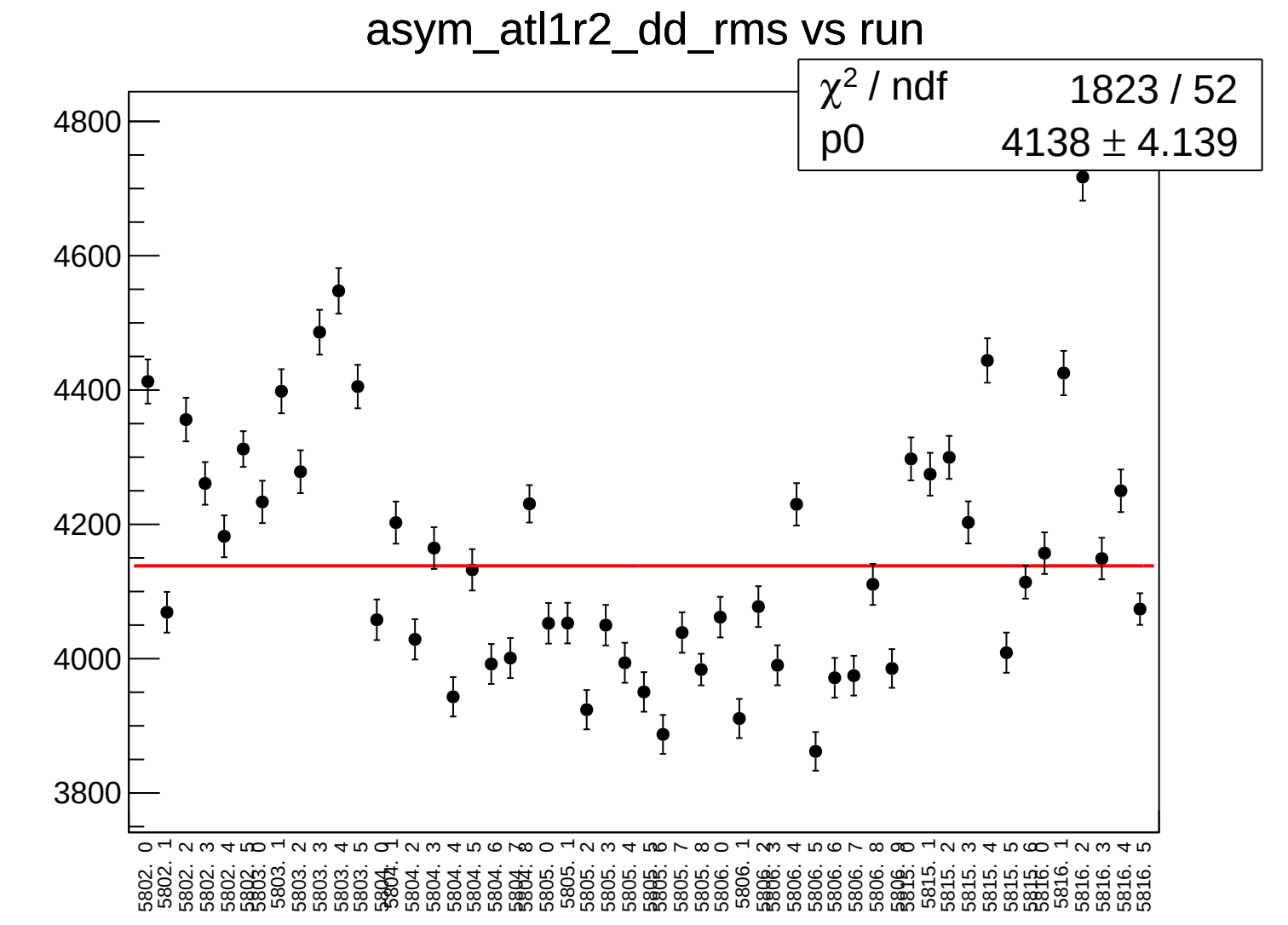

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.35 / 52
p0 2498 ± 4943
100
50
0
−50
−100
−150
pull
Entries 53
Mean −60.72
Std Dev 0
2
1
0
−1
−2
−3

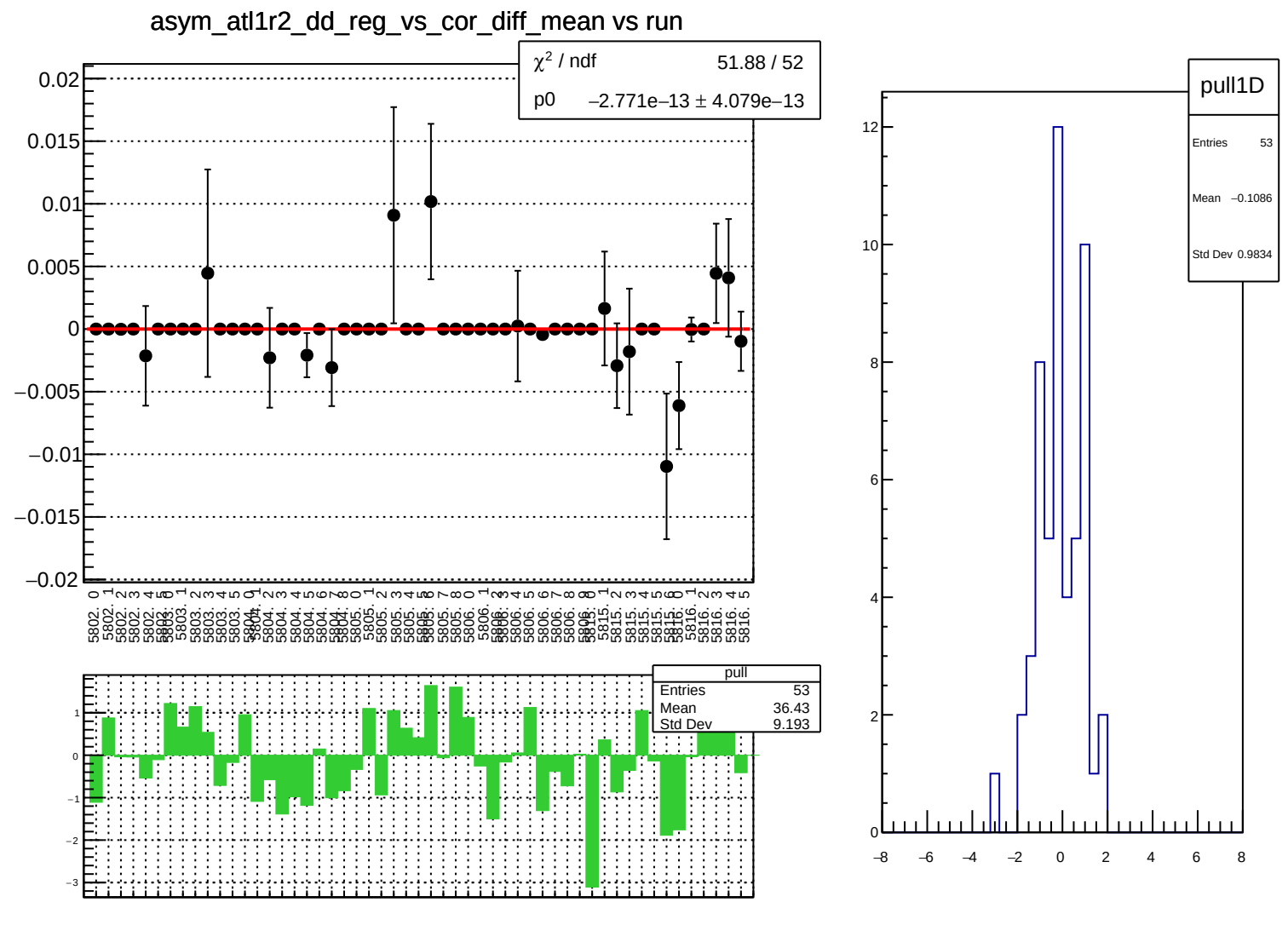

pull1D
Entries 53
Mean −0.02677
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

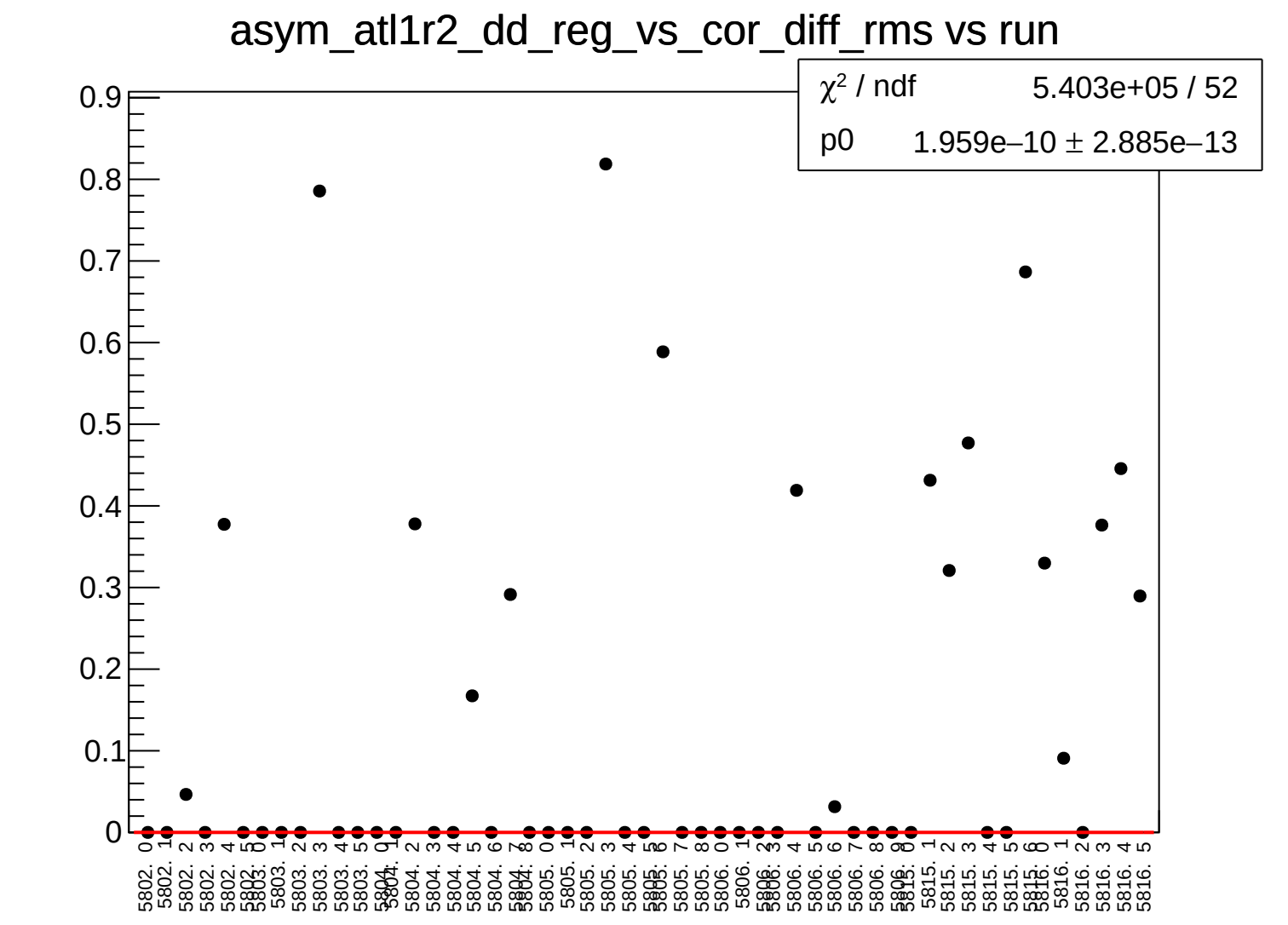

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4431 / 52
p0 3490 ± 3.495
4200
4000
3800
3600
3400
3200

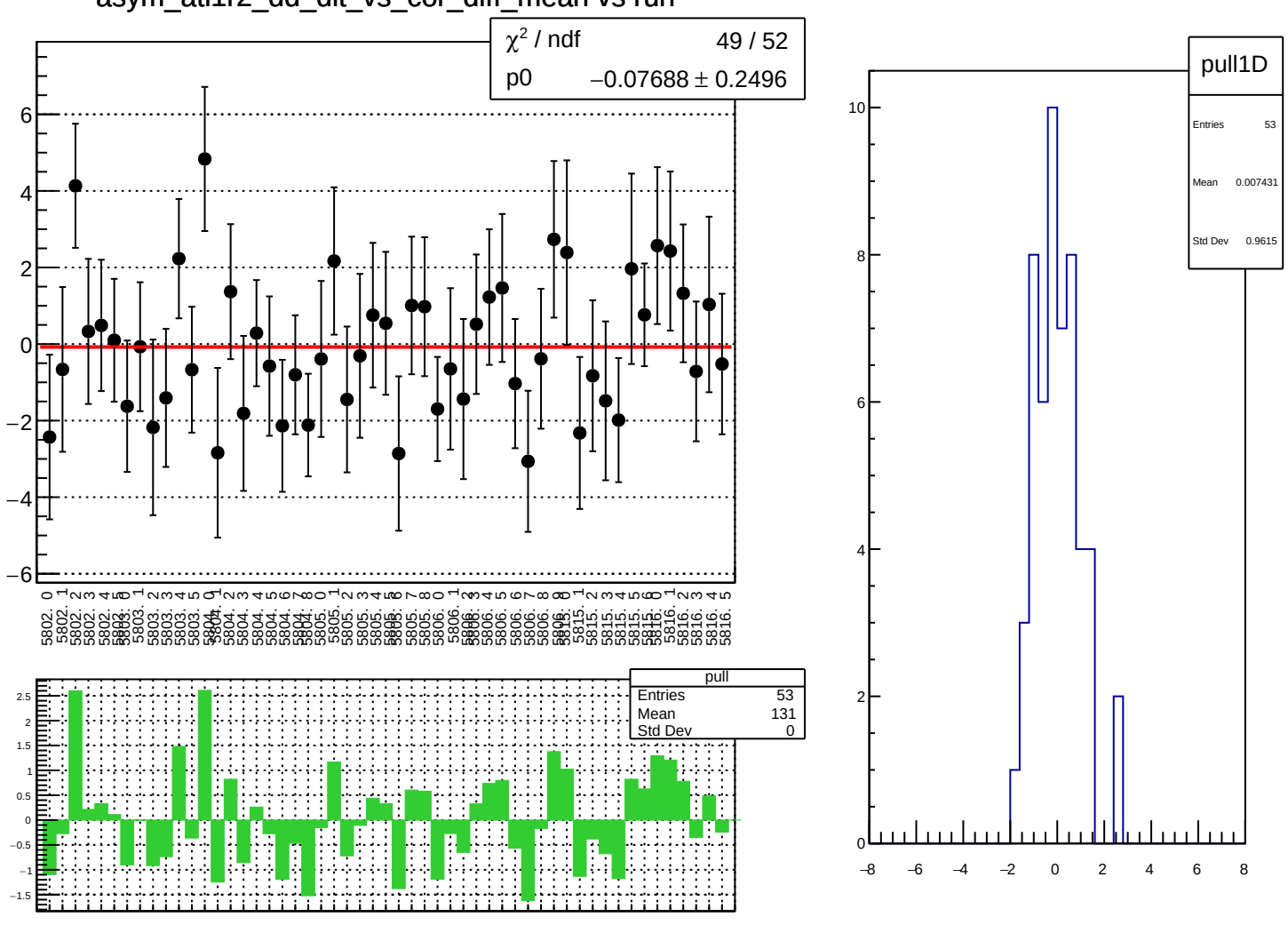

asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 56.73 / 52
p0 −5667 ± 5853
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −71.56
Std Dev 0
2
1
0
−1
−2

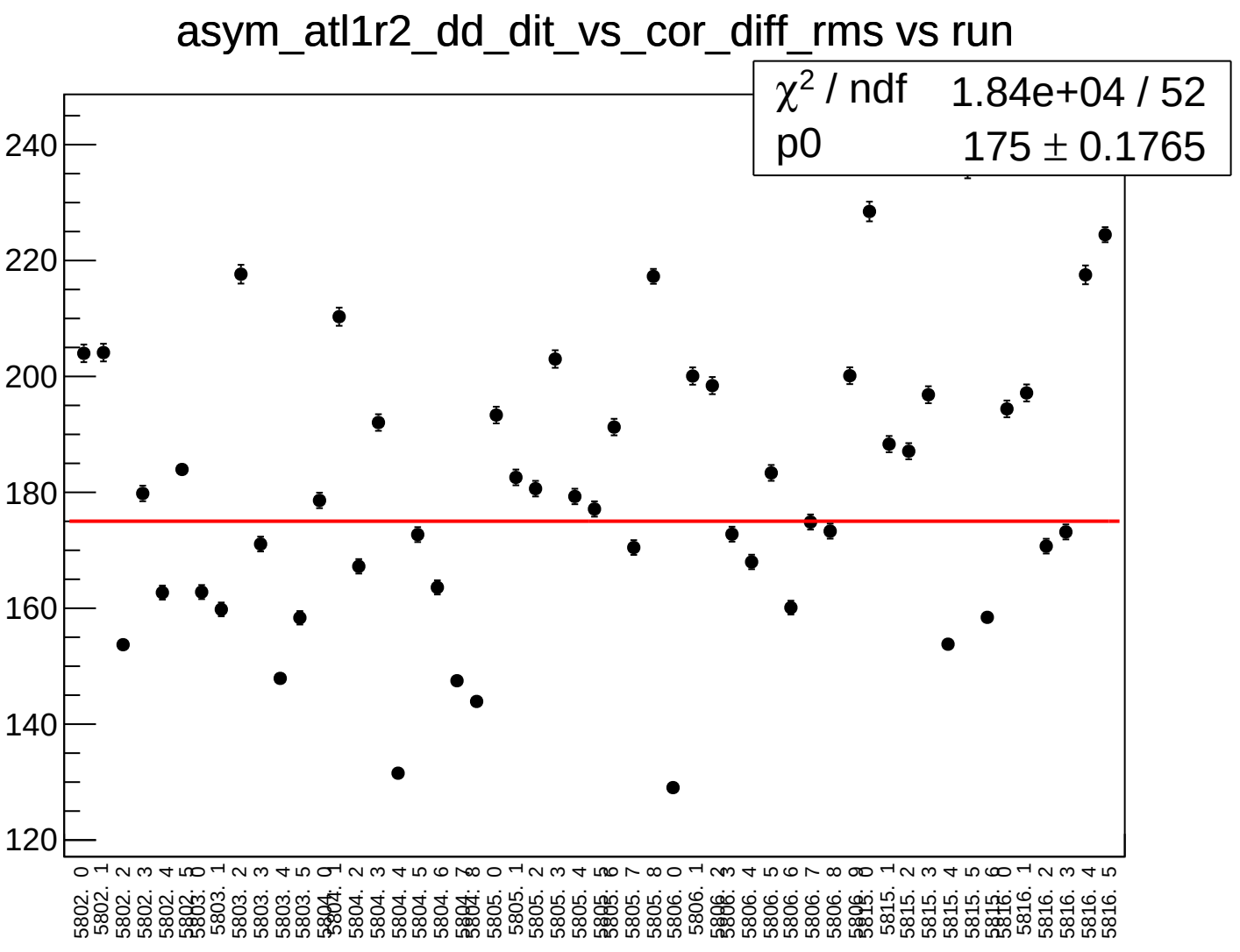

pull1D
Entries 53
Mean 0.01409
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

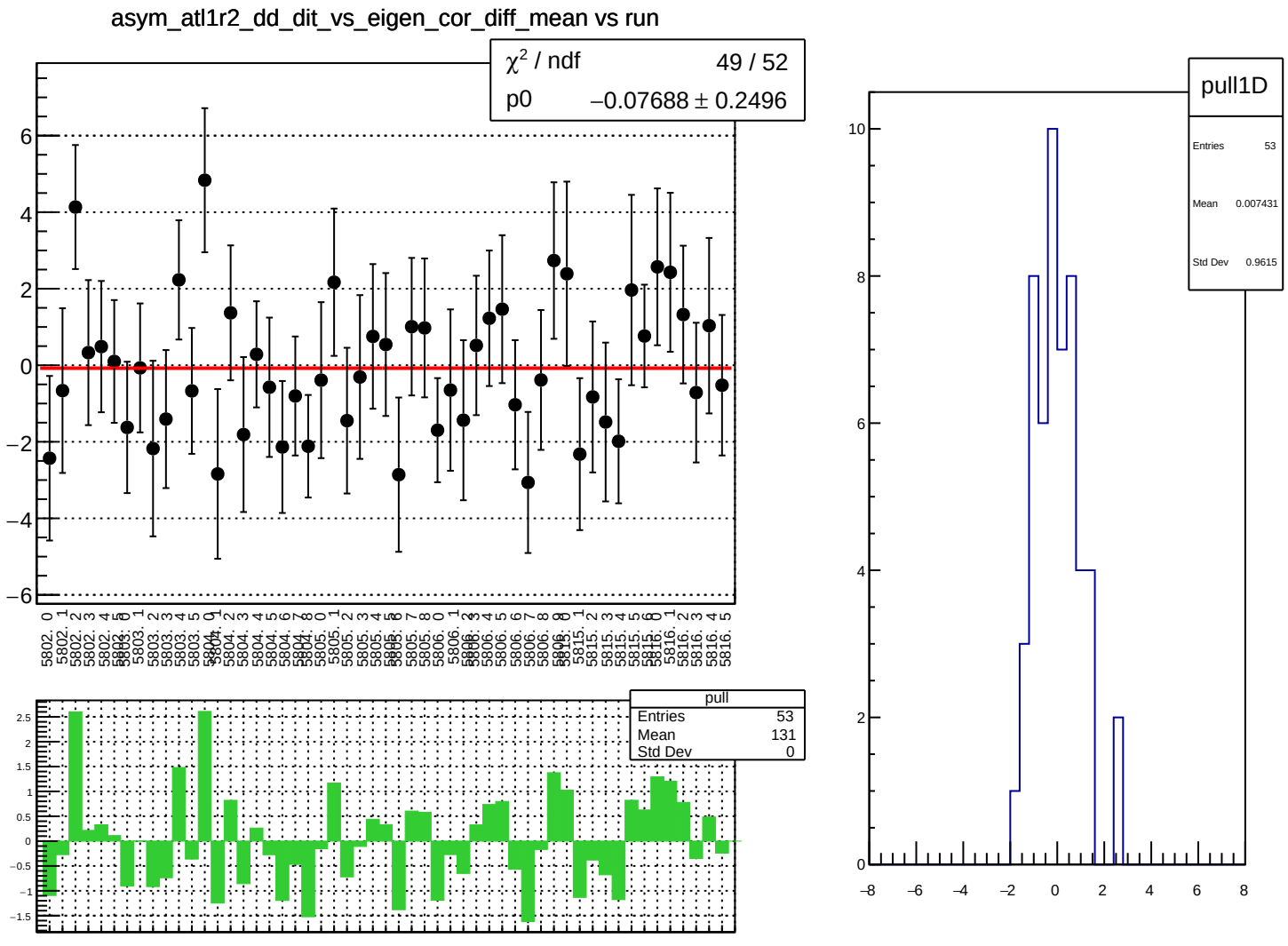

asym_atl1r2_dd_rms vs run
χ² / ndf 1823 / 52
p0 4138 ± 4.139
4800
4600
4400
4200
4000
3800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

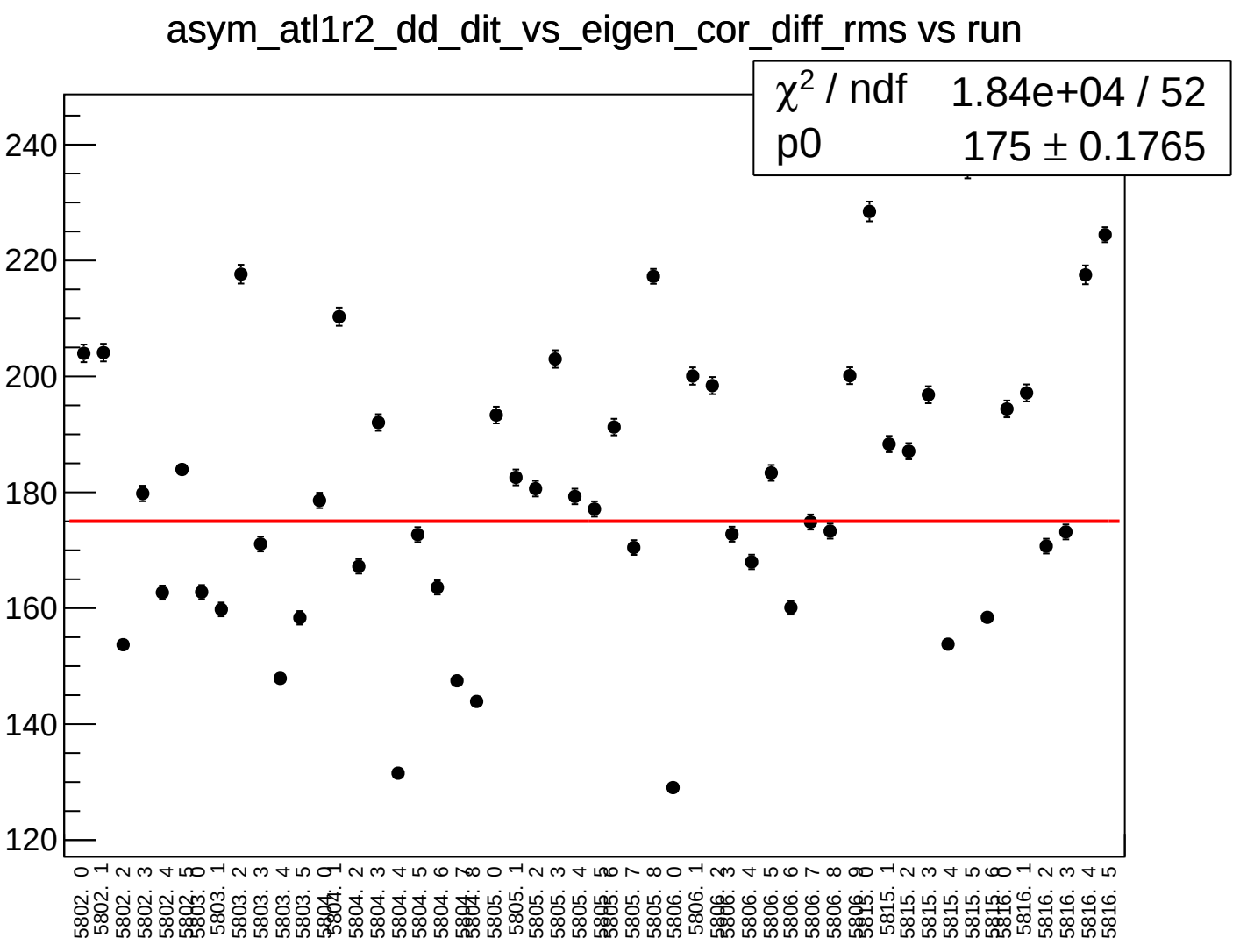

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.88 / 52
p0 −2.771e−13 ± 4.079e−13
pull
Entries 53
Mean 36.43
Std Dev 9.193
pull1D
Entries 53
Mean −0.1086
Std Dev 0.9834

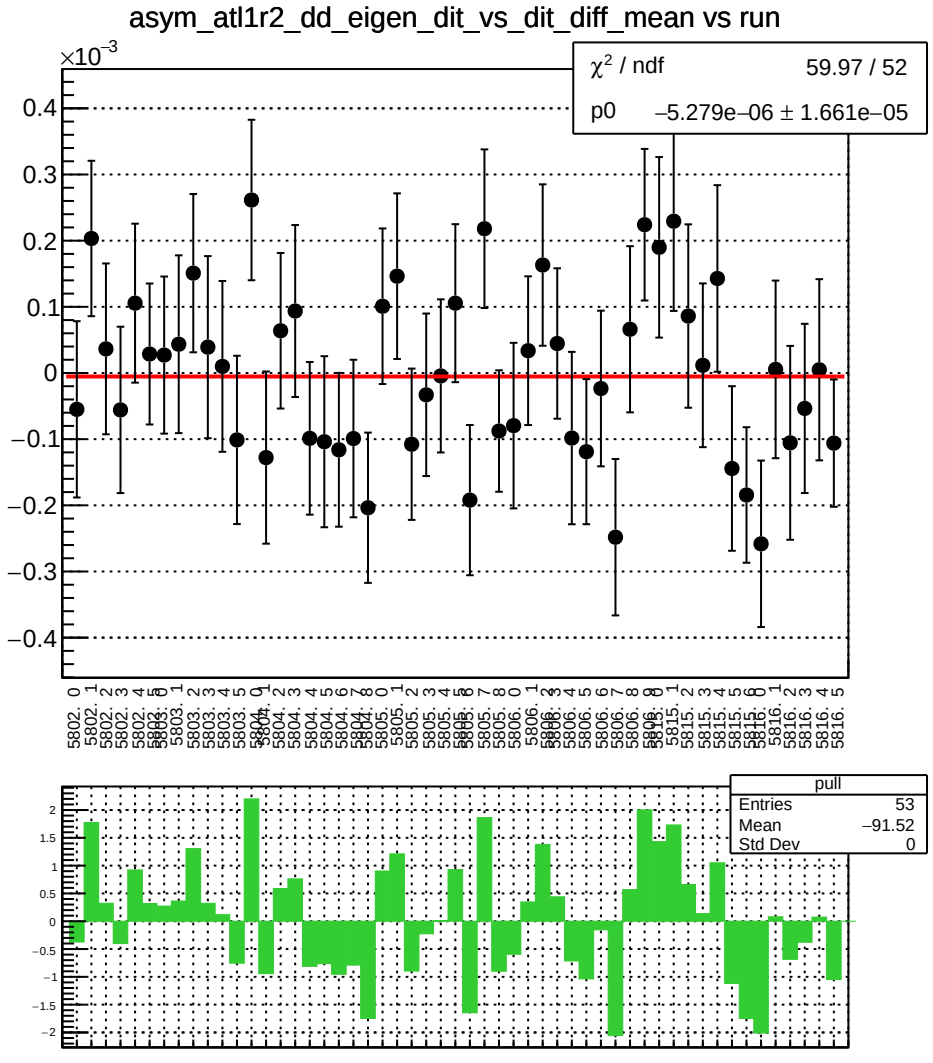

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.403e+05 / 52
p0 1.959e−10 ± 2.885e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

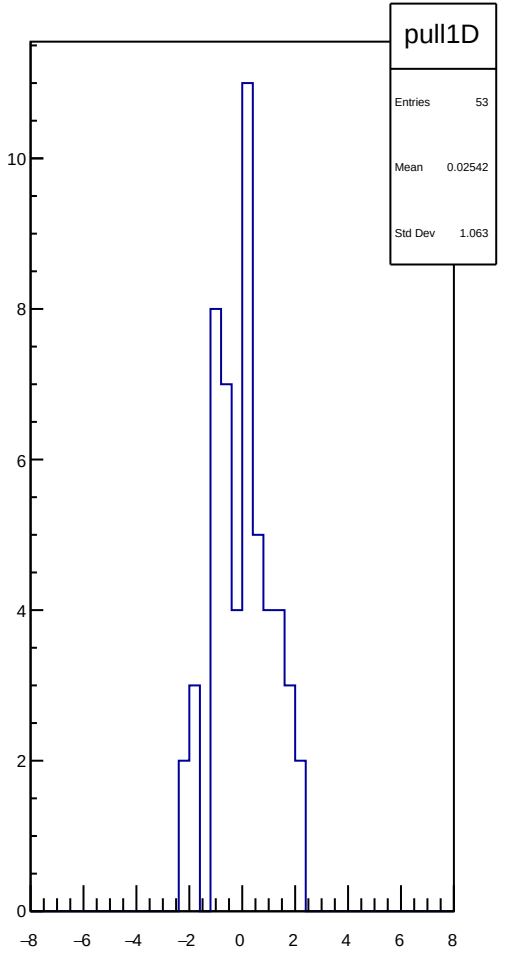

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49 / 52
p0 −0.07688 ± 0.2496
pull
Entries 53
Mean 131
Std Dev 0
pull1D
Entries 53
Mean 0.007431
Std Dev 0.9615

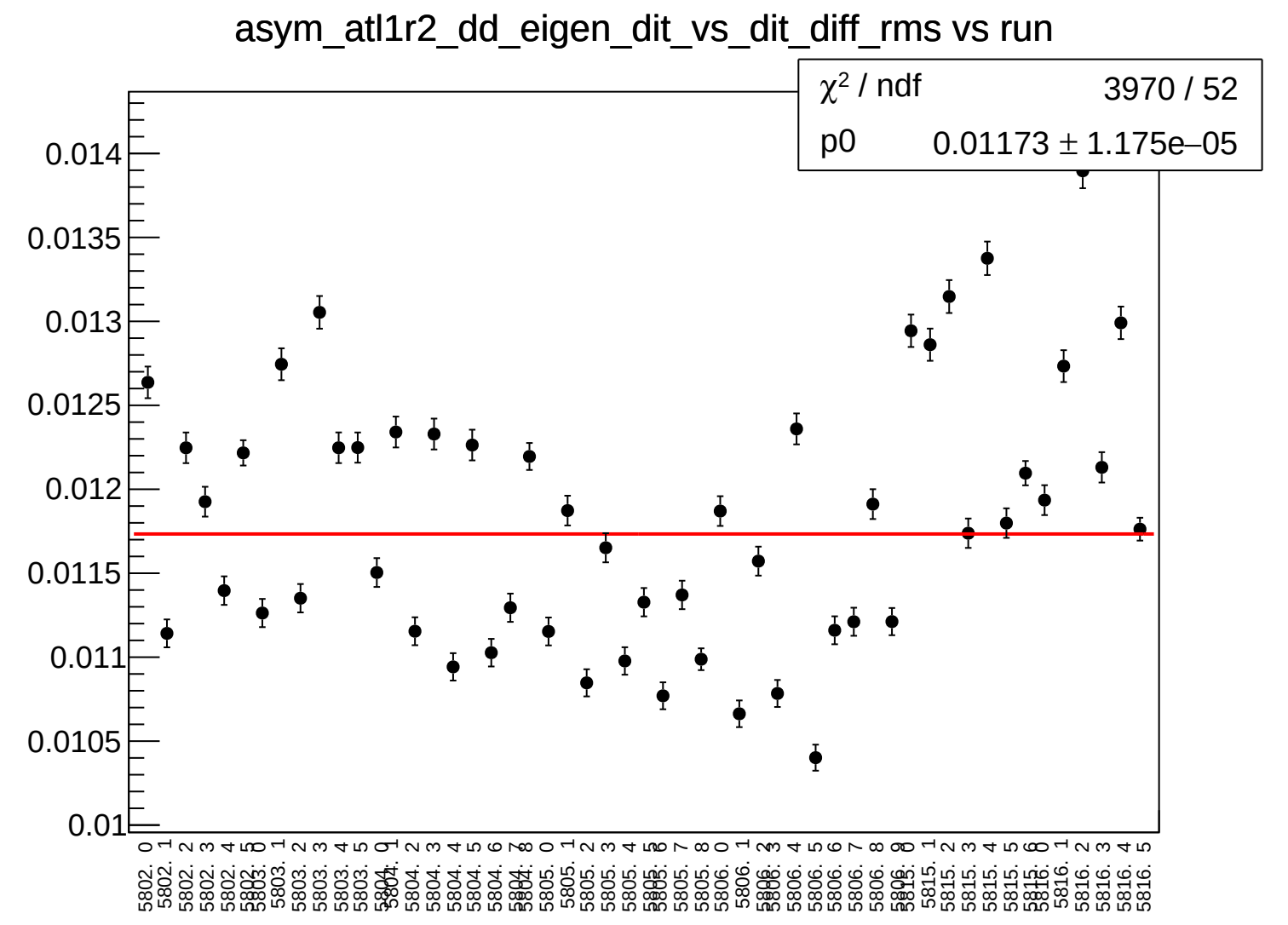

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.84e+04 / 52
p0 175 ± 0.1765
240
220
200
180
160
140
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

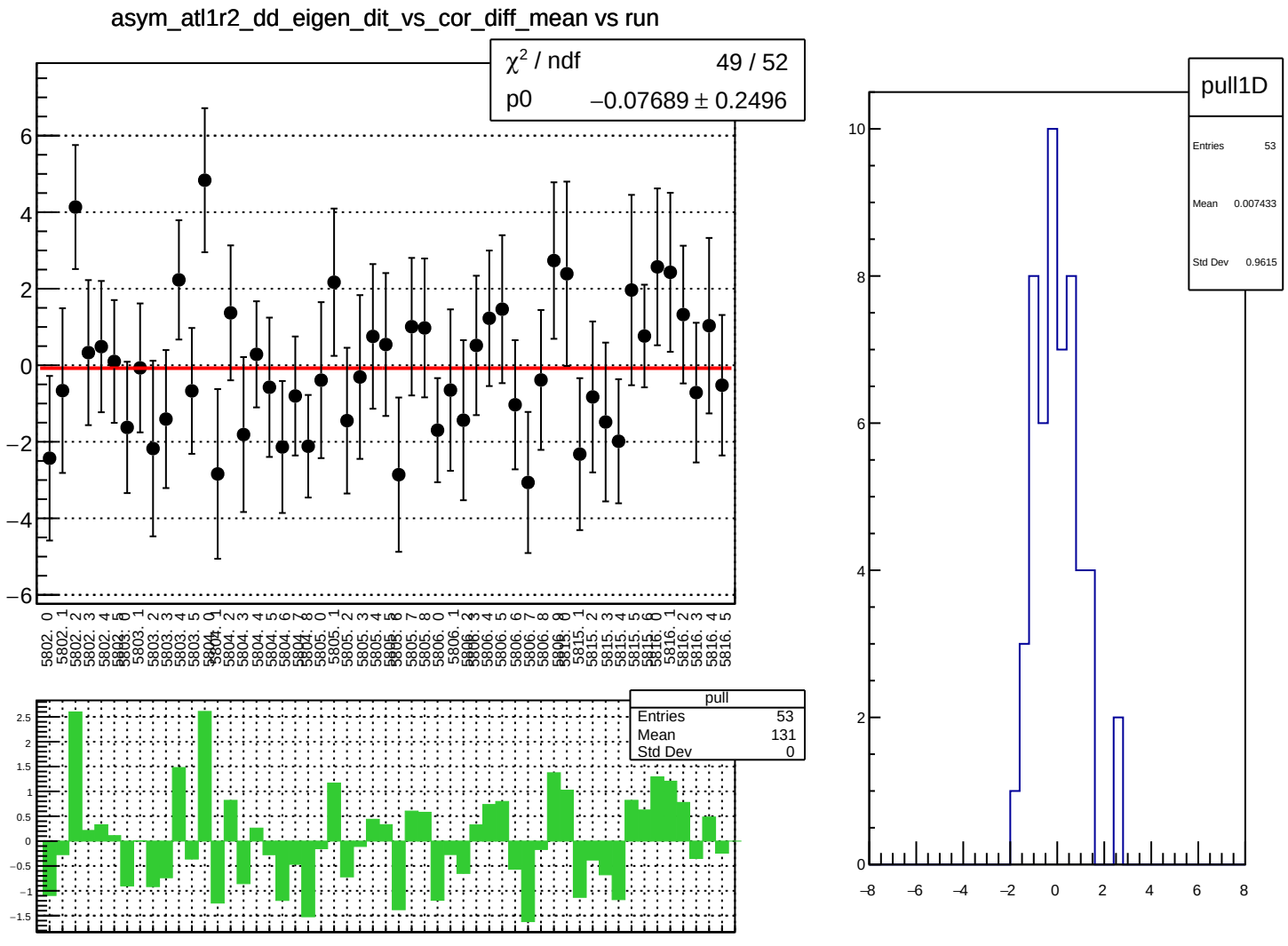

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49 / 52
p0 −0.07688 ± 0.2496
pull
Entries 53
Mean 131
Std Dev 0
pull1D
Entries 53
Mean 0.007431
Std Dev 0.9615

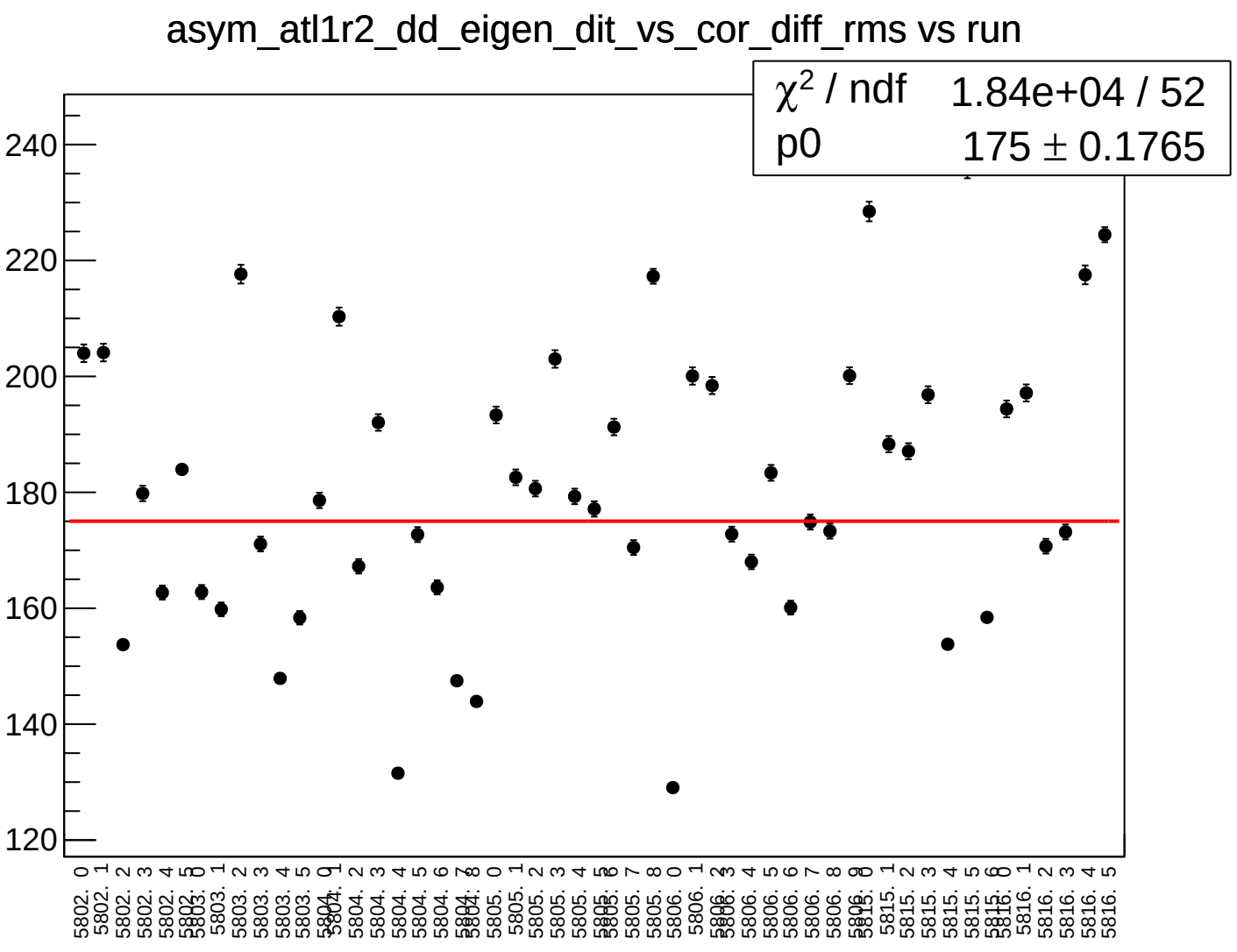

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.84e+04 / 52
p0 175 ± 0.1765
240
220
200
180
160
140
120

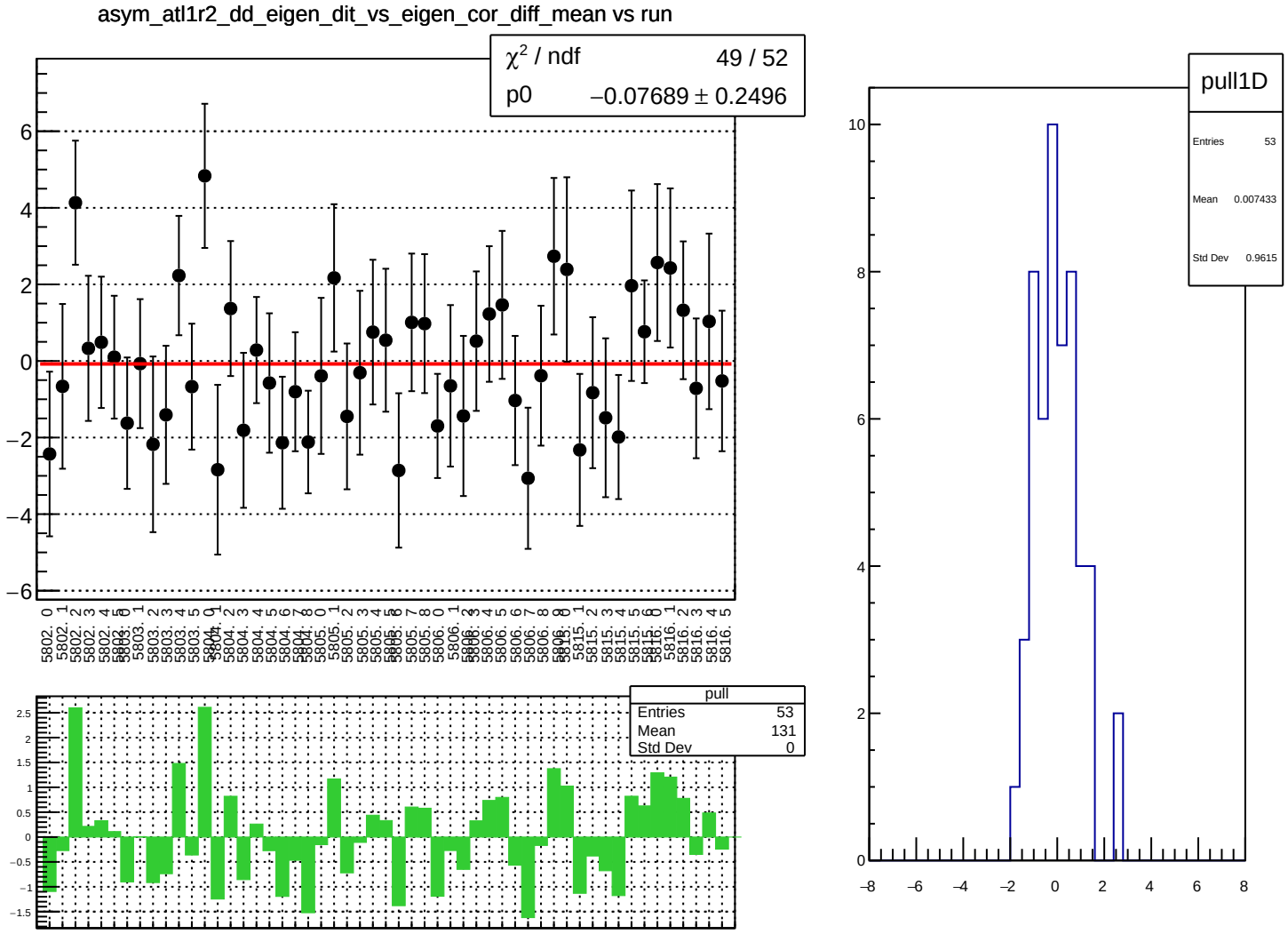

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.97 / 52
p0 −5.279e−06 ± 1.661e−05
pull
Entries 53
Mean −91.52
Std Dev 0

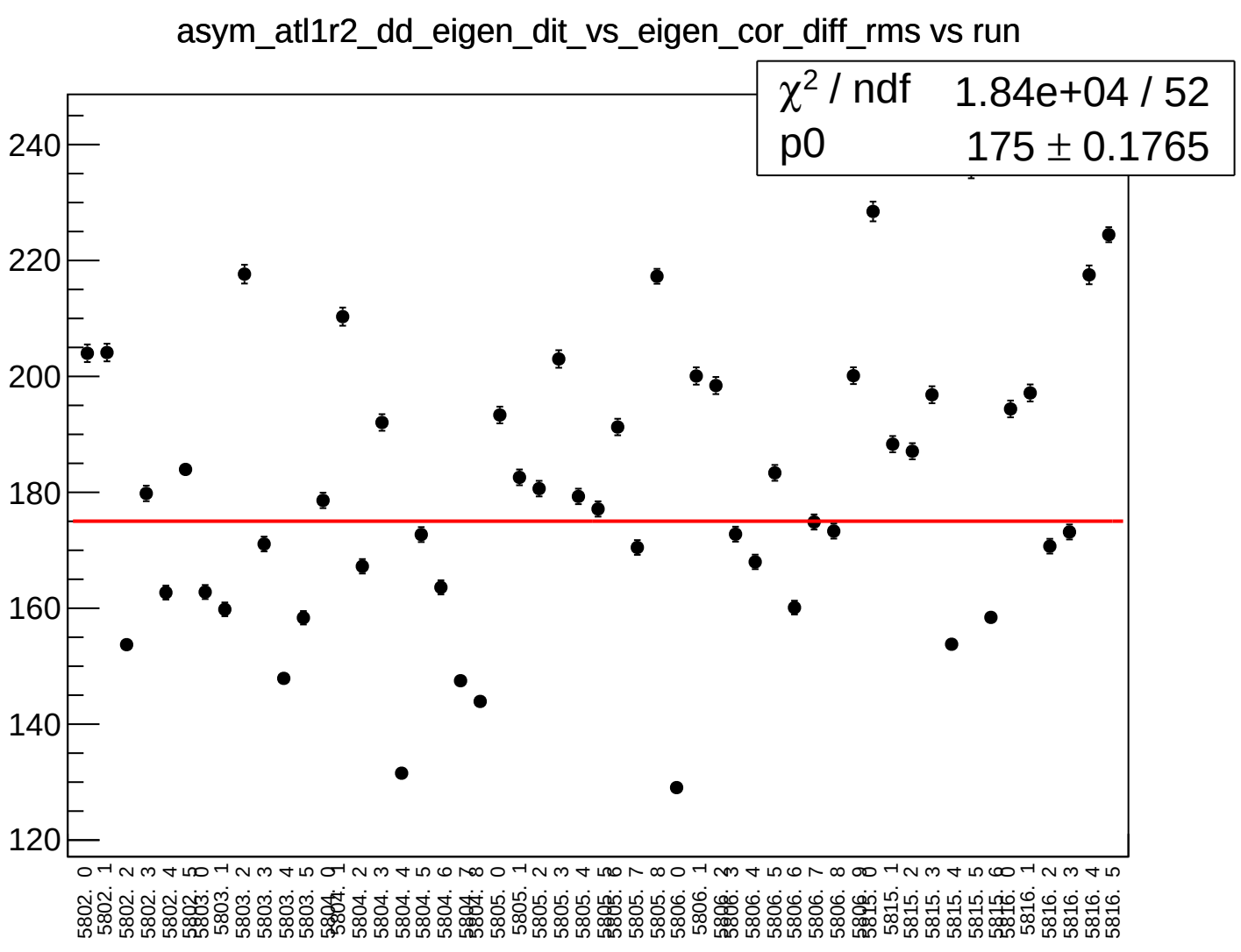

pull1D
Entries 53
Mean 0.02542
Std Dev 1.063

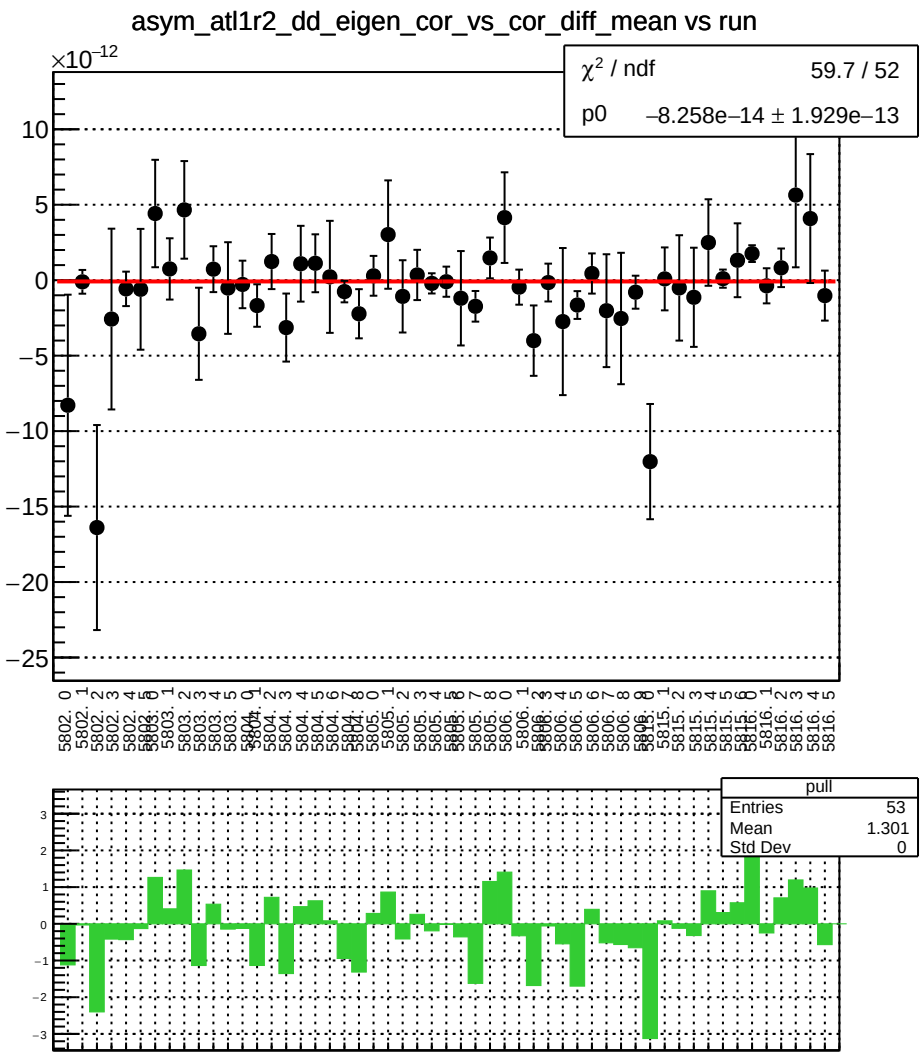

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3970 / 52
p0 0.01173 ± 1.175e−05
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

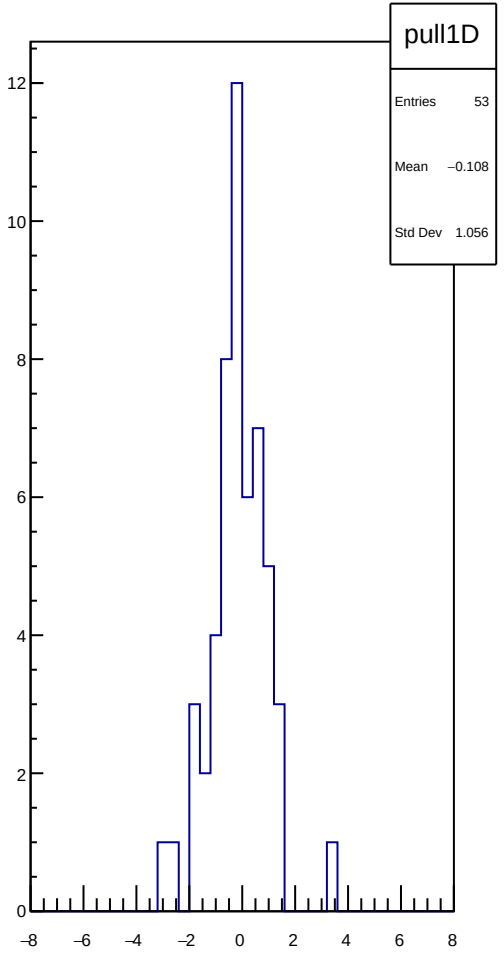

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49 / 52
p0 −0.07689 ± 0.2496
pull
Entries 53
Mean 131
Std Dev 0
pull1D
Entries 53
Mean 0.007433
Std Dev 0.9615

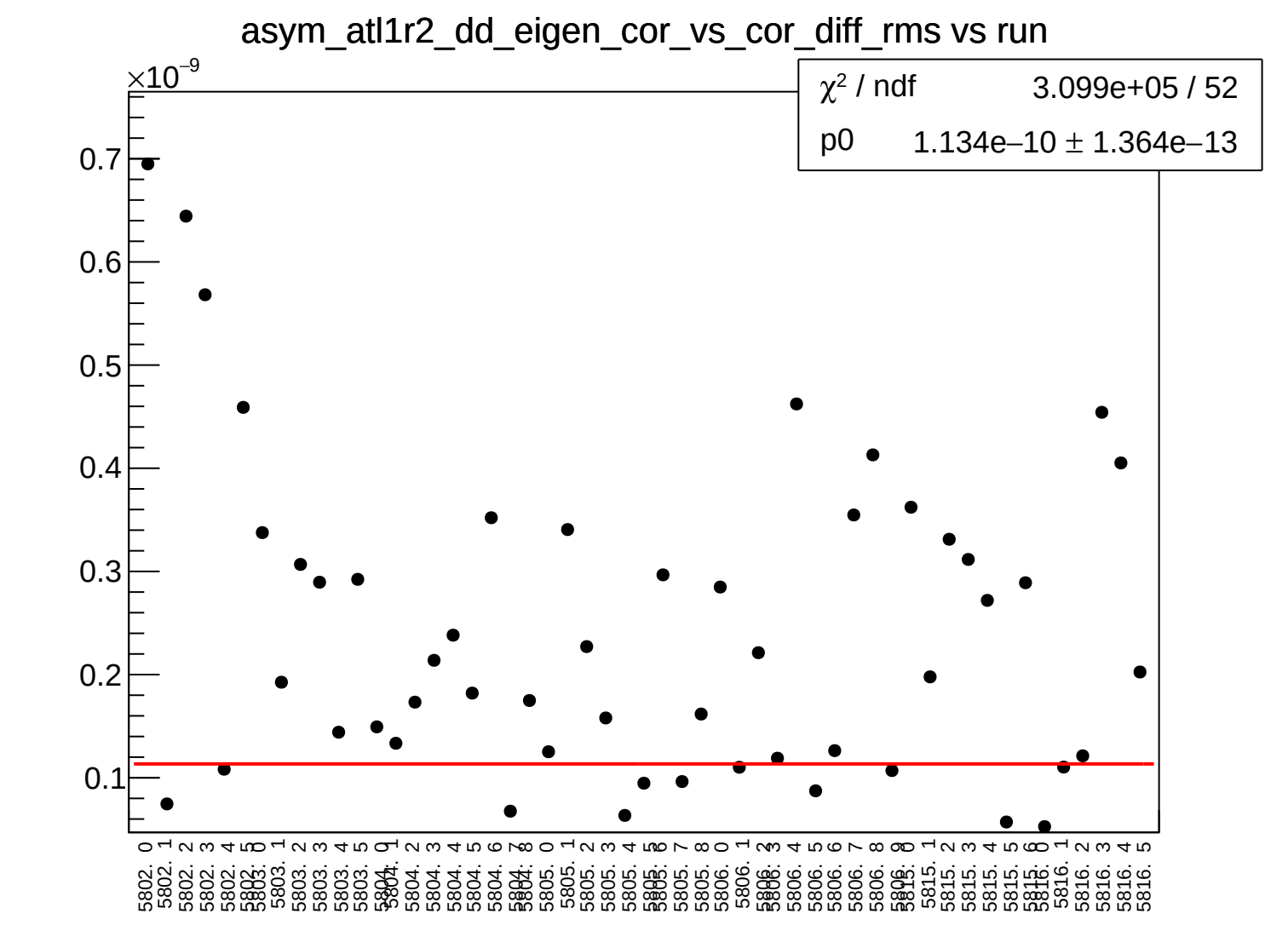

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.84e+04 / 52
p0 175 ± 0.1765
240
220
200
180
160
140
120

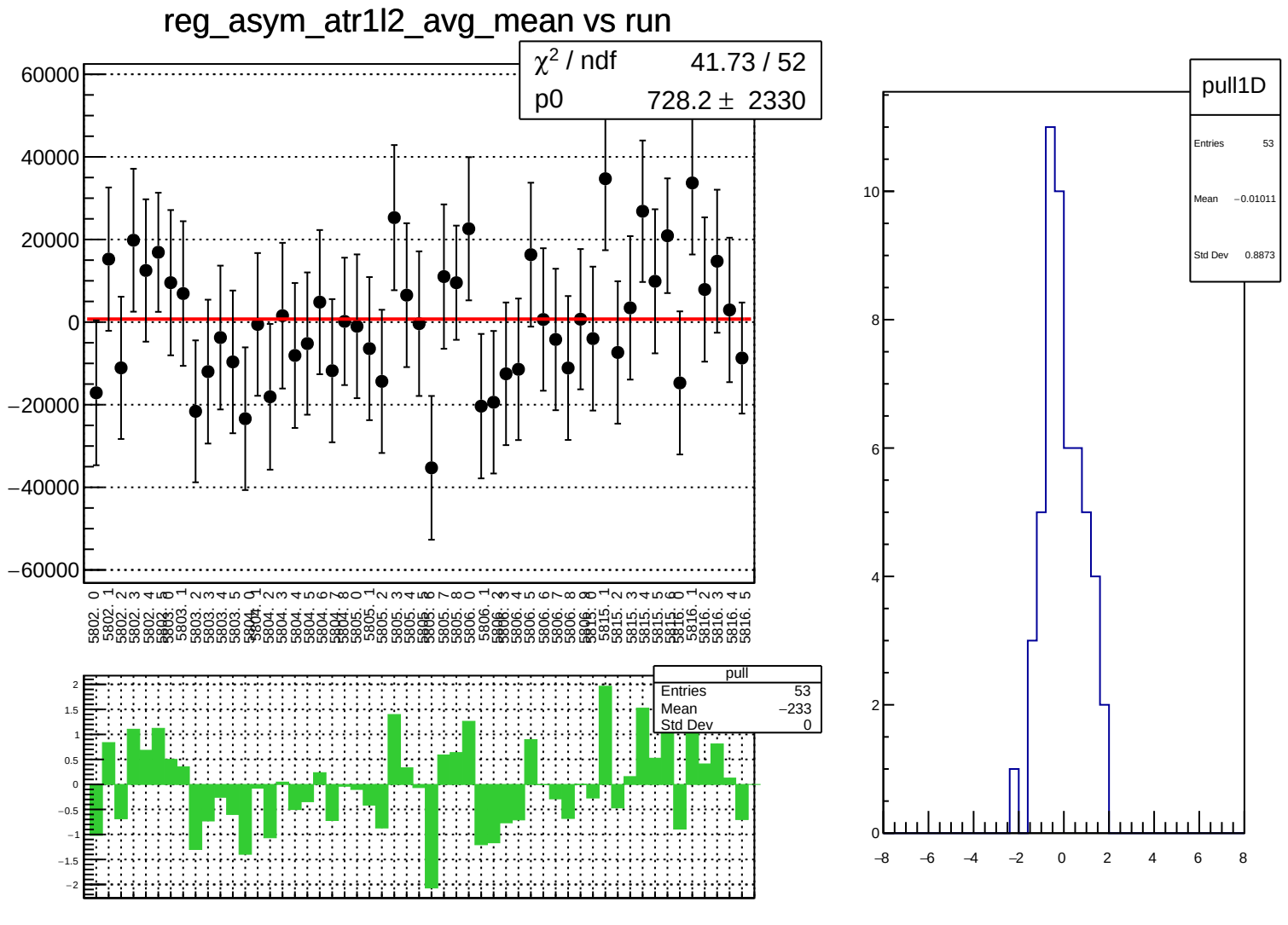

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49 / 52
p0 −0.07689 ± 0.2496
pull
Entries 53
Mean 131
Std Dev 0
pull1D
Entries 53
Mean 0.007433
Std Dev 0.9615

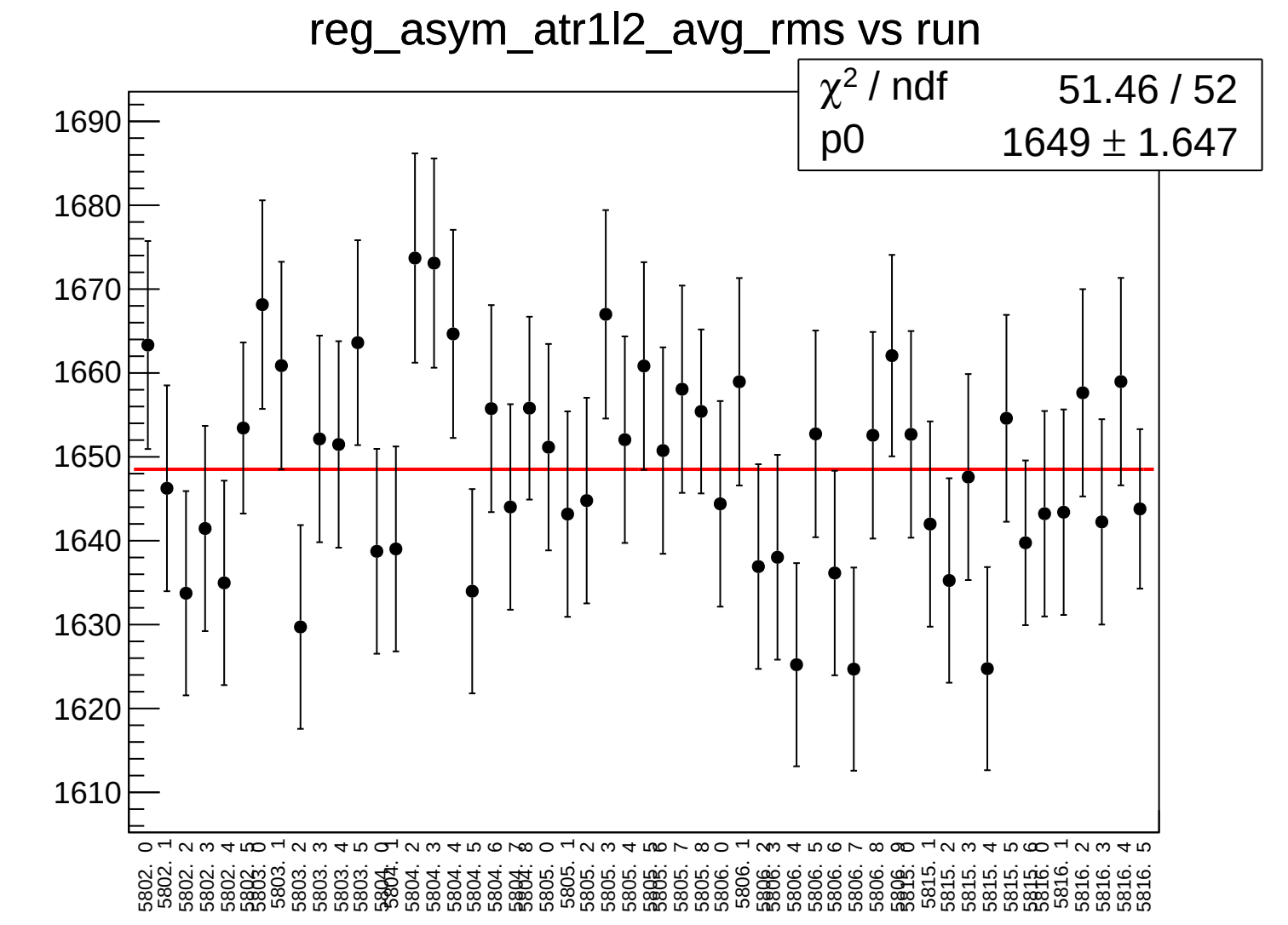

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.84e+04 / 52
p0 175 ± 0.1765
240
220
200
180
160
140
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

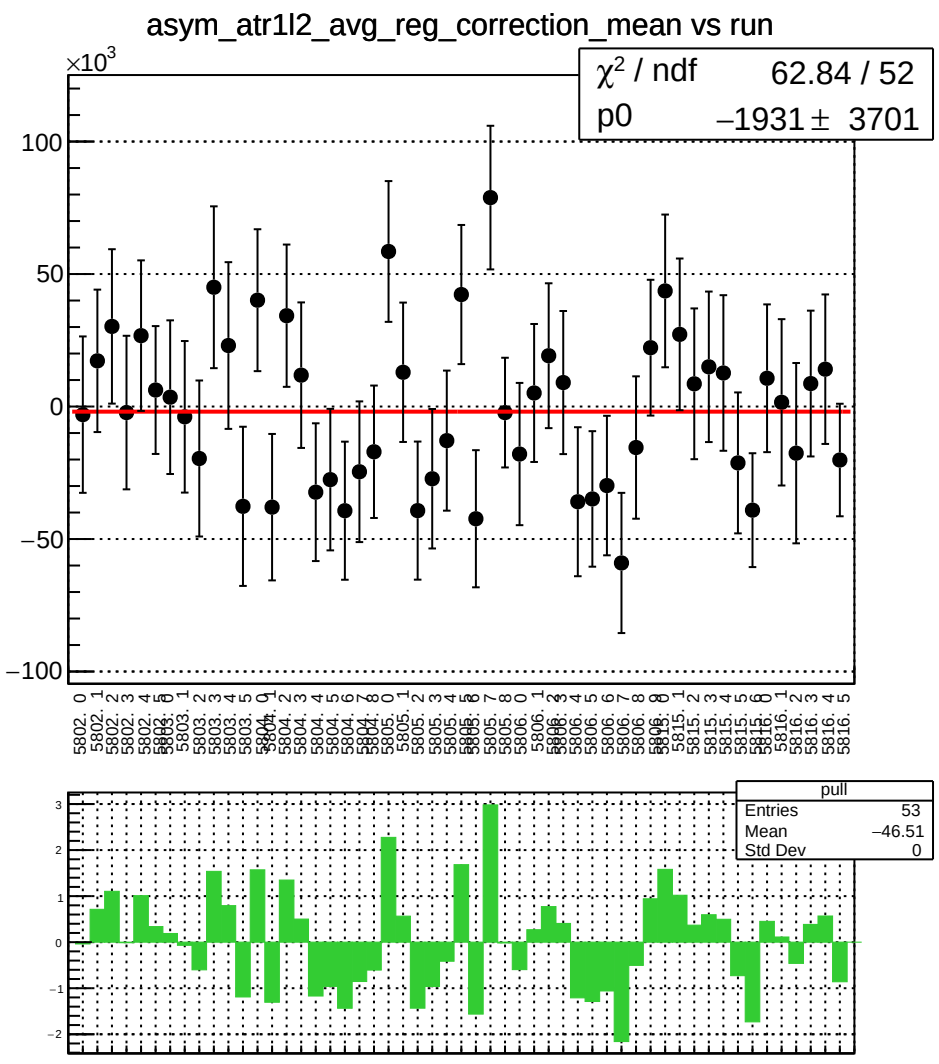

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.7 / 52
p0 −8.258e−14 ± 1.929e−13
pull
Entries 53
Mean 1.301
Std Dev 0

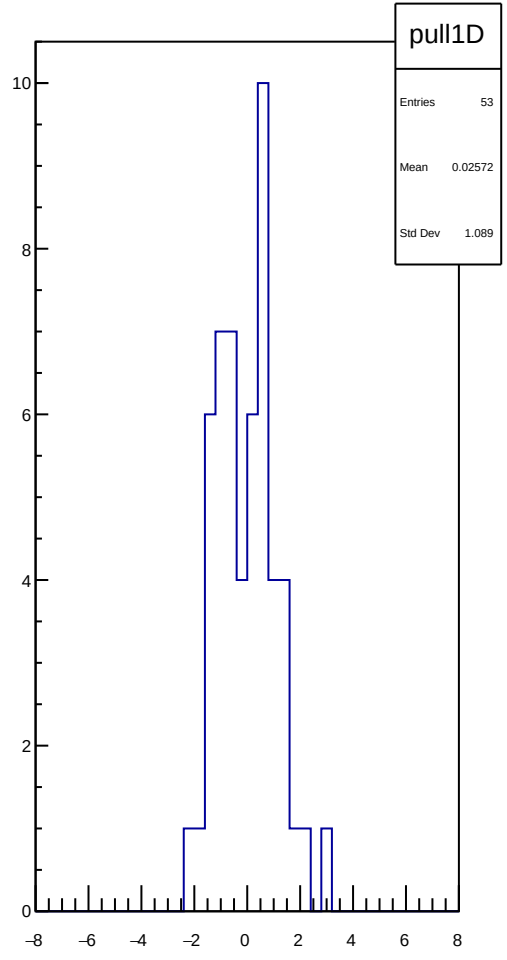

pull1D
Entries 53
Mean −0.108
Std Dev 1.056

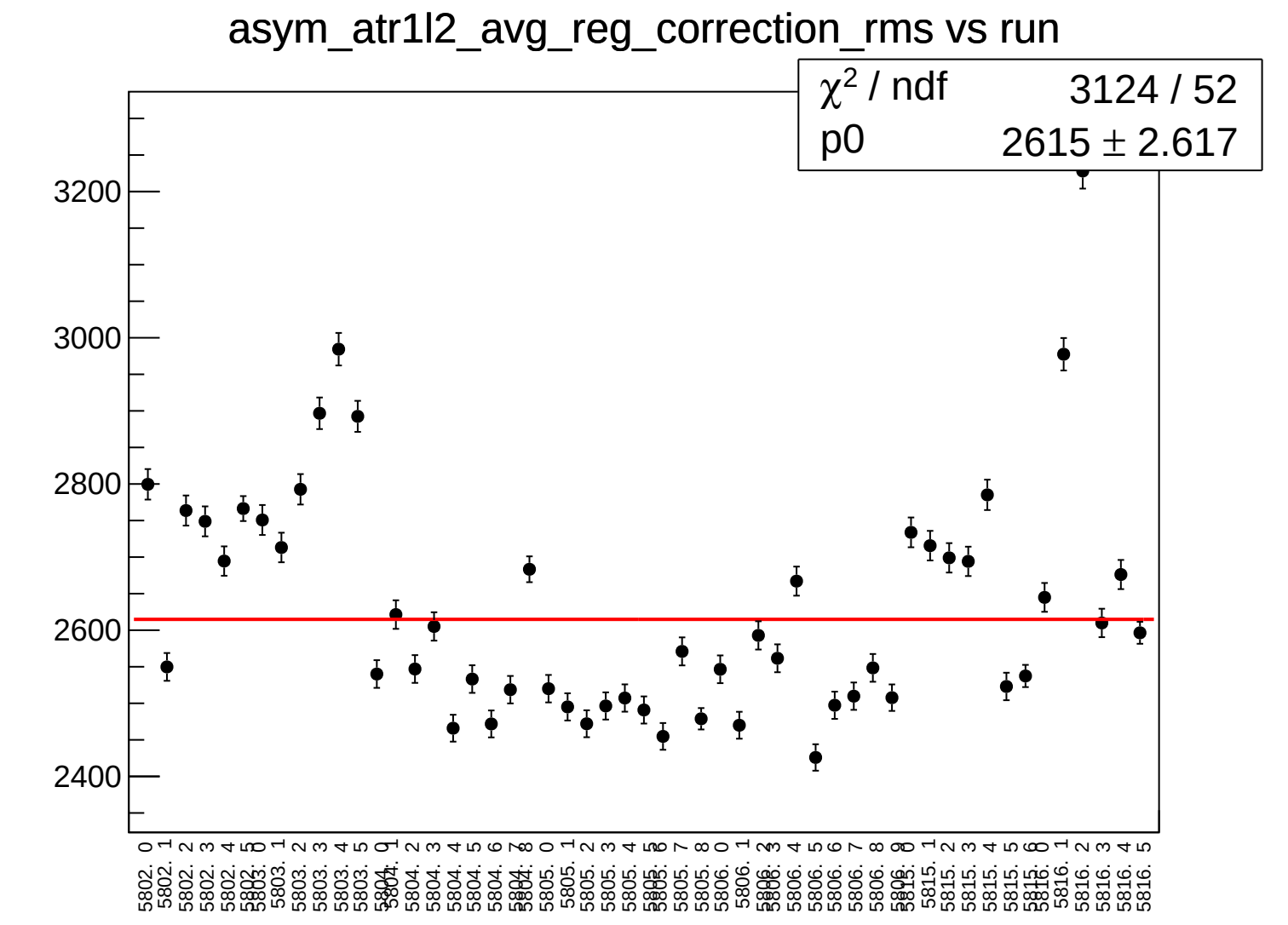

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.099e+05 / 52
p0 1.134e−10 ± 1.364e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

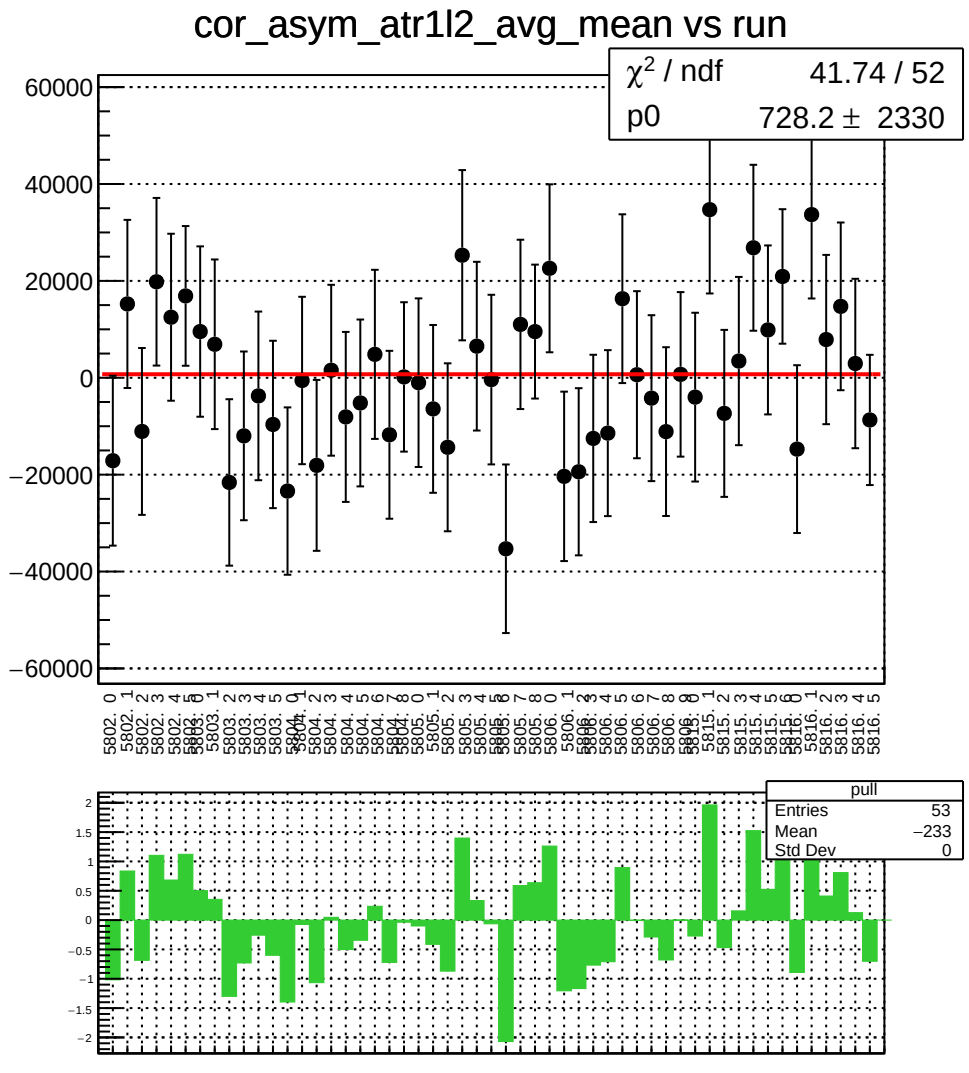

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 41.73 / 52
p0 728.2 ± 2330
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −233
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.01011
Std Dev 0.8873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

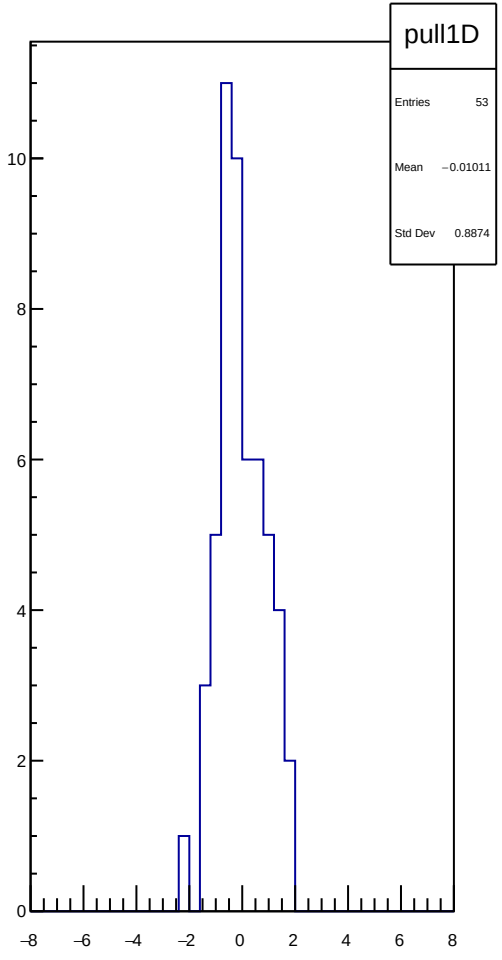

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 51.46 / 52
p0 1649 ± 1.647
1690
1680
1670
1660
1650
1640
1630
1620
1610
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

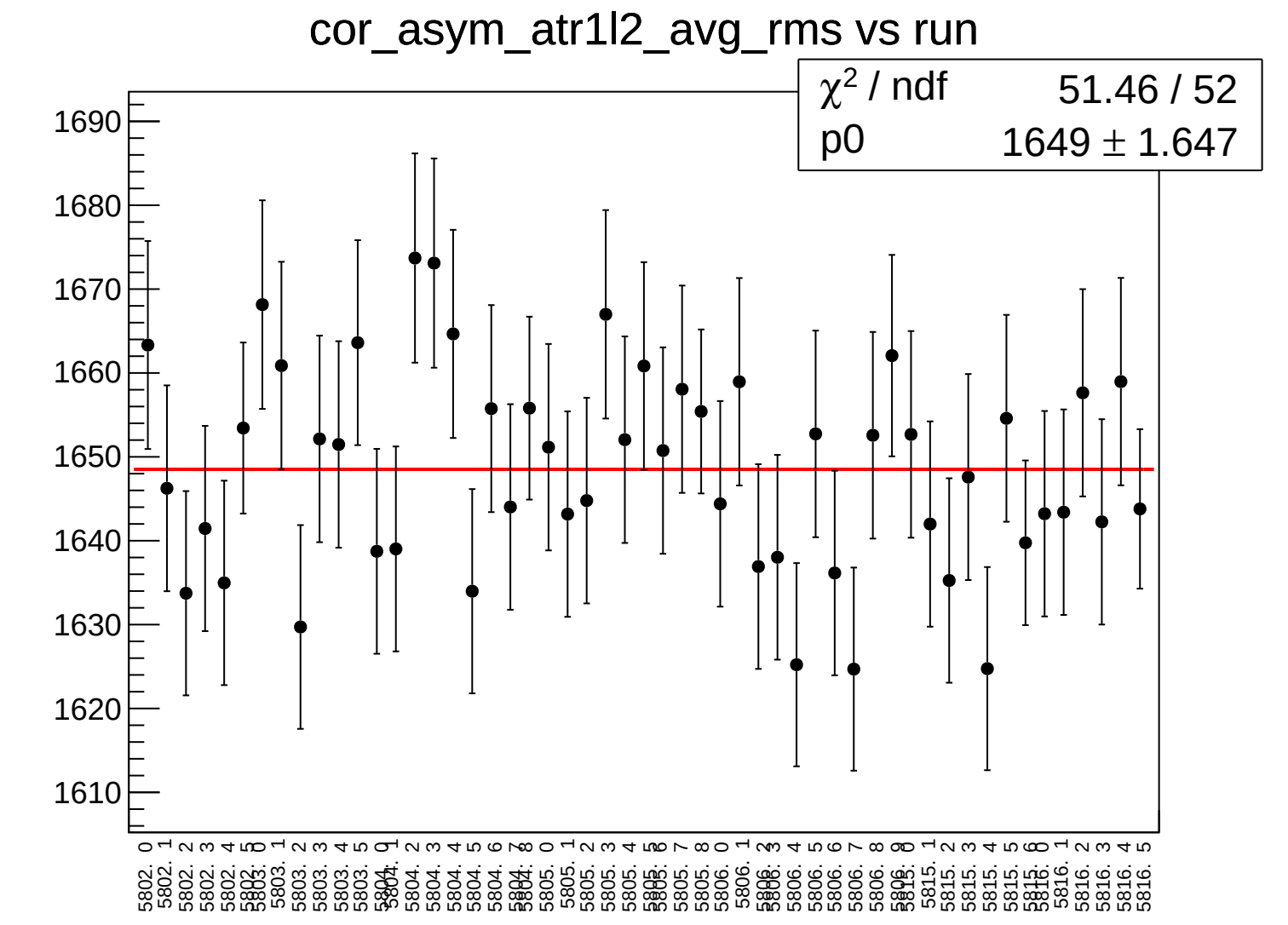

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 62.84 / 52
p0 −1931 ± 3701
100
50
0
−50
−100
pull
Entries 53
Mean −46.51
Std Dev 0
3
2
1
0
−1
−2

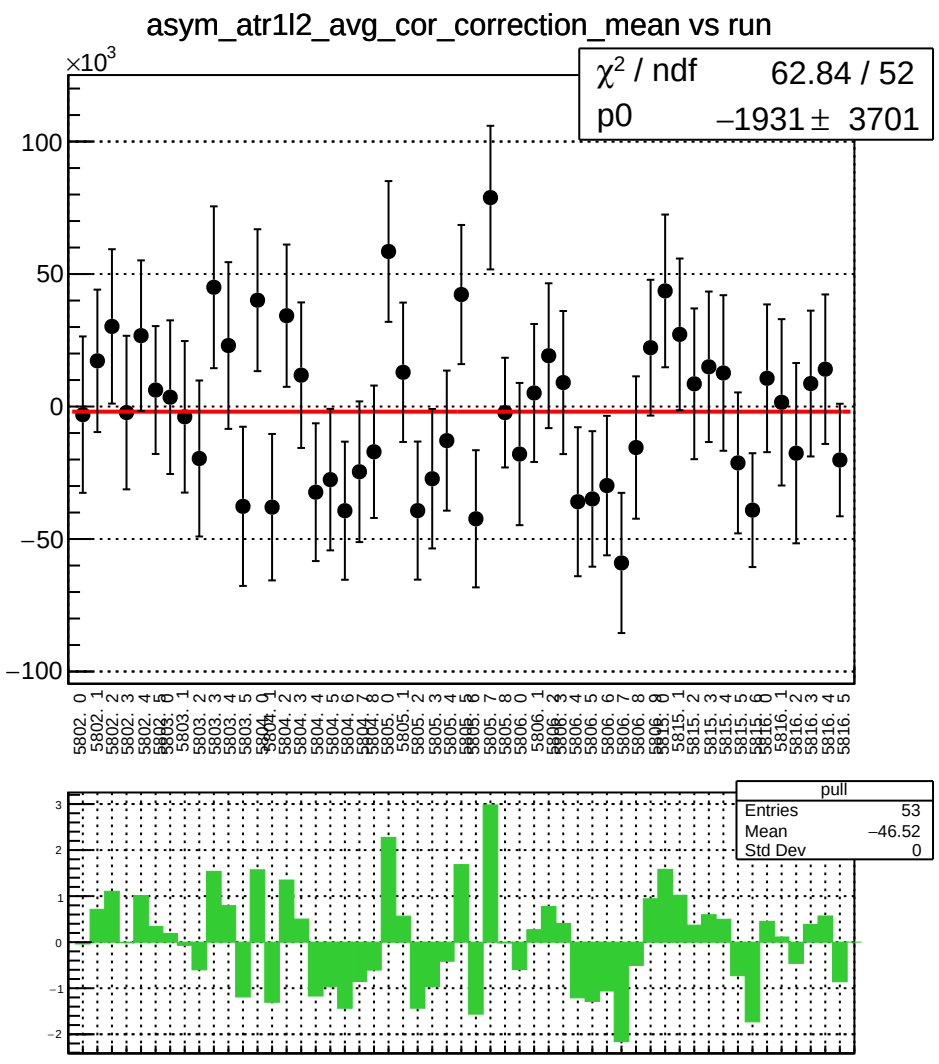

pull1D
Entries 53
Mean 0.02572
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

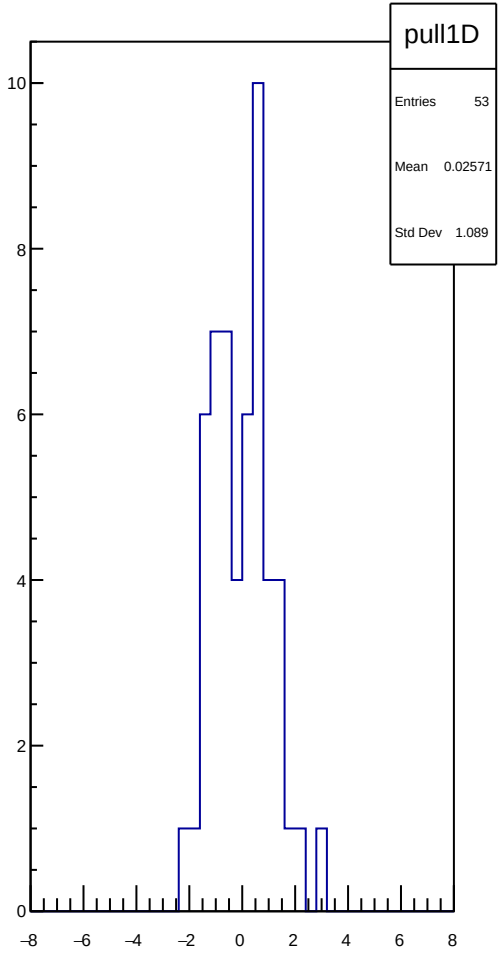

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 3124 / 52
p0 2615 ± 2.617
3200
3000
2800
2600
2400

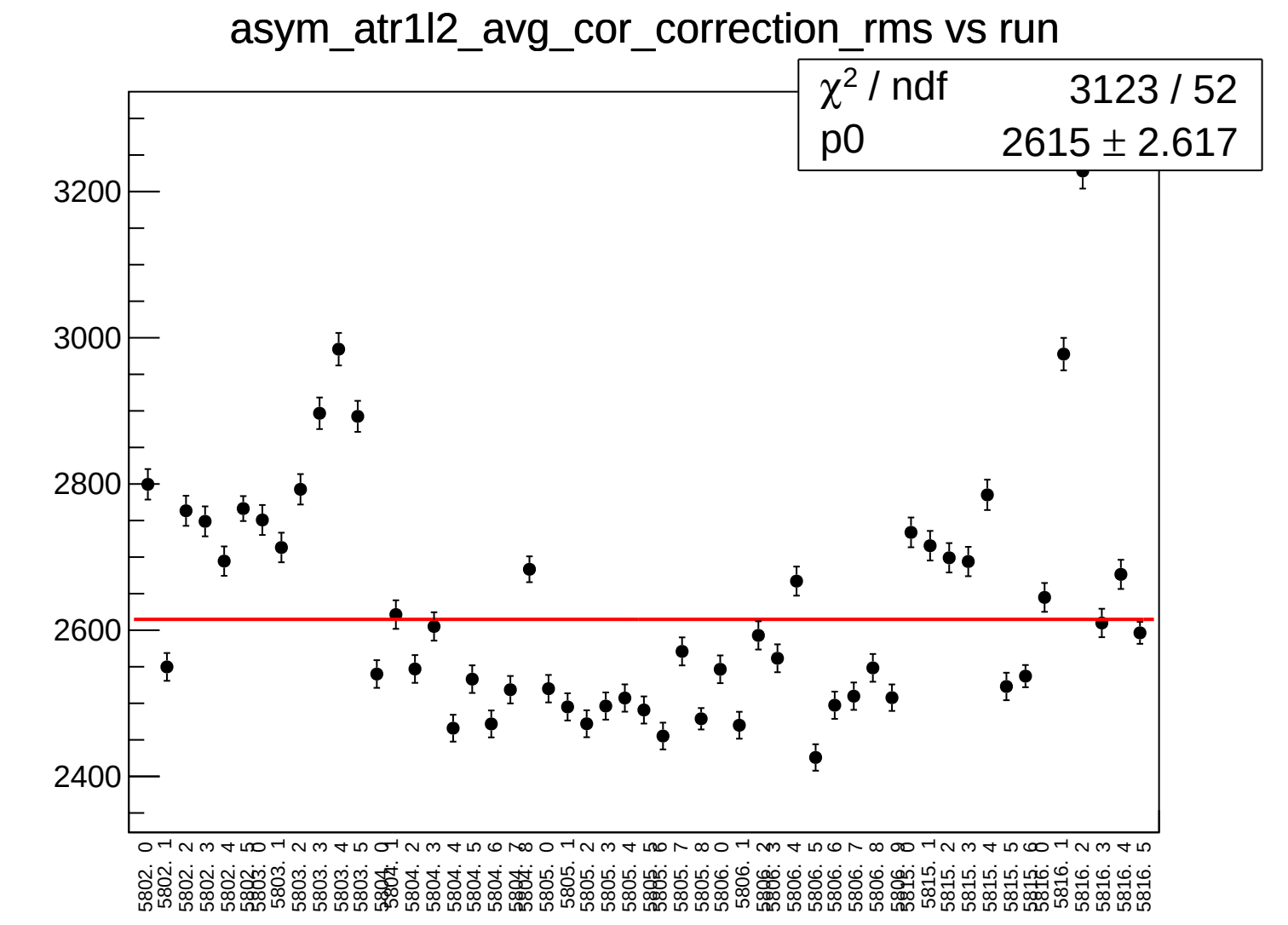

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 41.74 / 52
p0 728.2 ± 2330
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −233
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

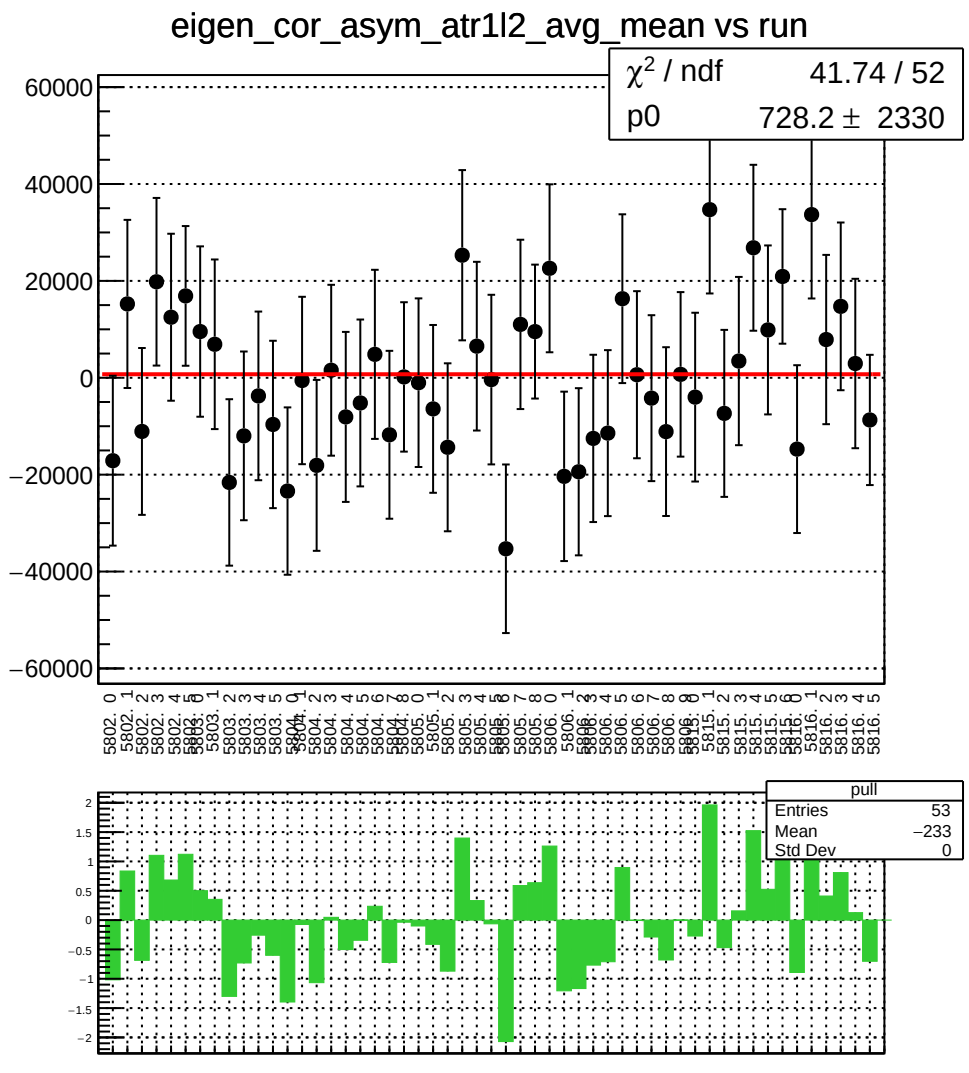

pull1D
Entries 53
Mean −0.01011
Std Dev 0.8874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

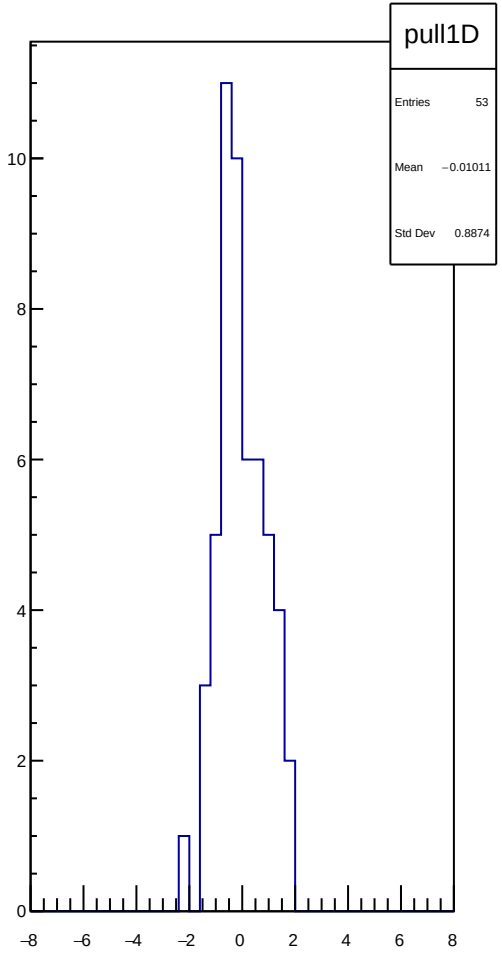

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 51.46 / 52
p0 1649 ± 1.647
1690
1680
1670
1660
1650
1640
1630
1620
1610

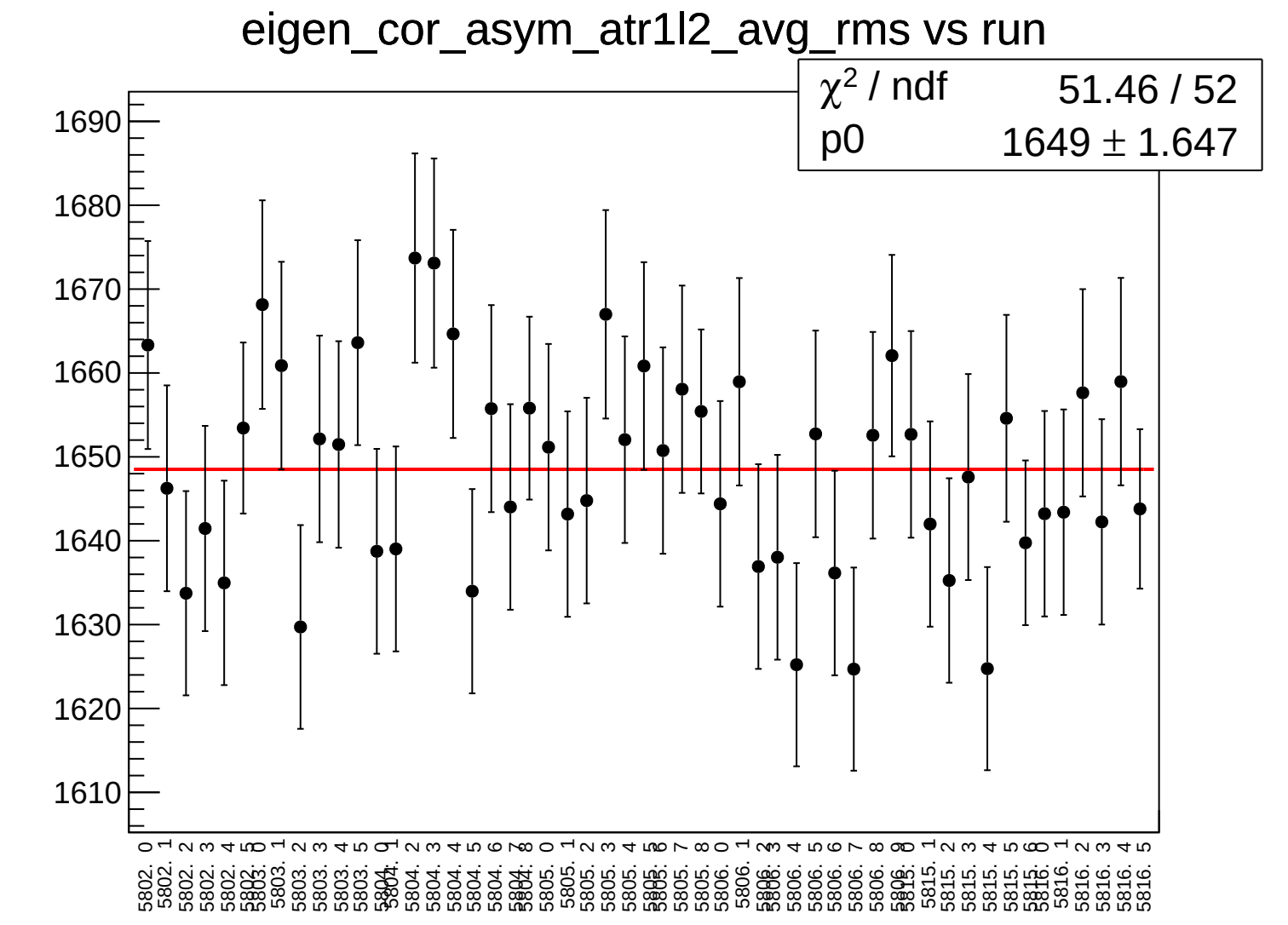

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 62.84 / 52
p0 −1931 ± 3701
100
50
0
−50
−100
pull
Entries 53
Mean −46.52
Std Dev 0
3
2
1
0
−1
−2

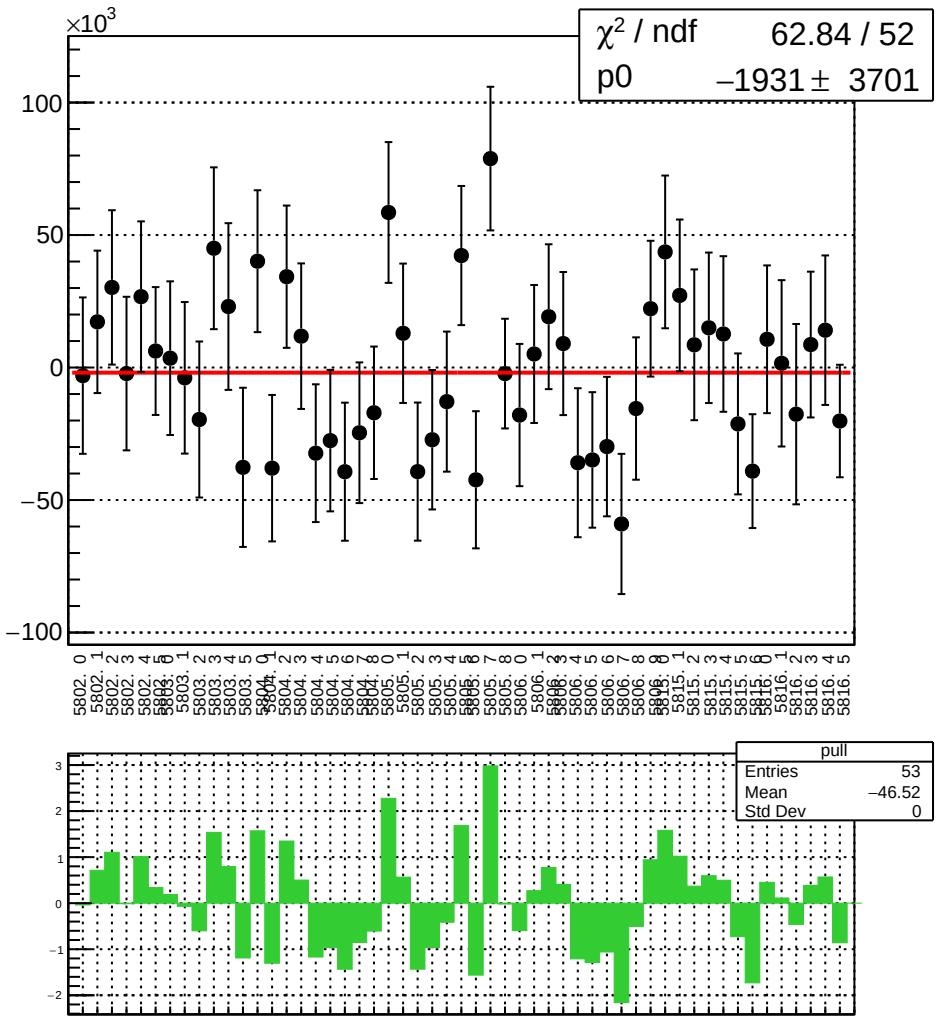

pull1D
Entries 53
Mean 0.02571
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

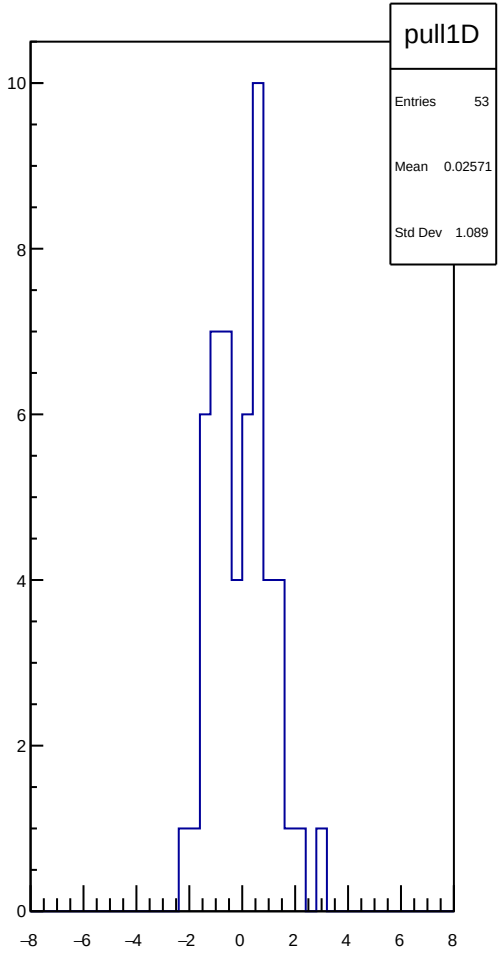

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 3123 / 52
p0 2615 ± 2.617
3200
3000
2800
2600
2400

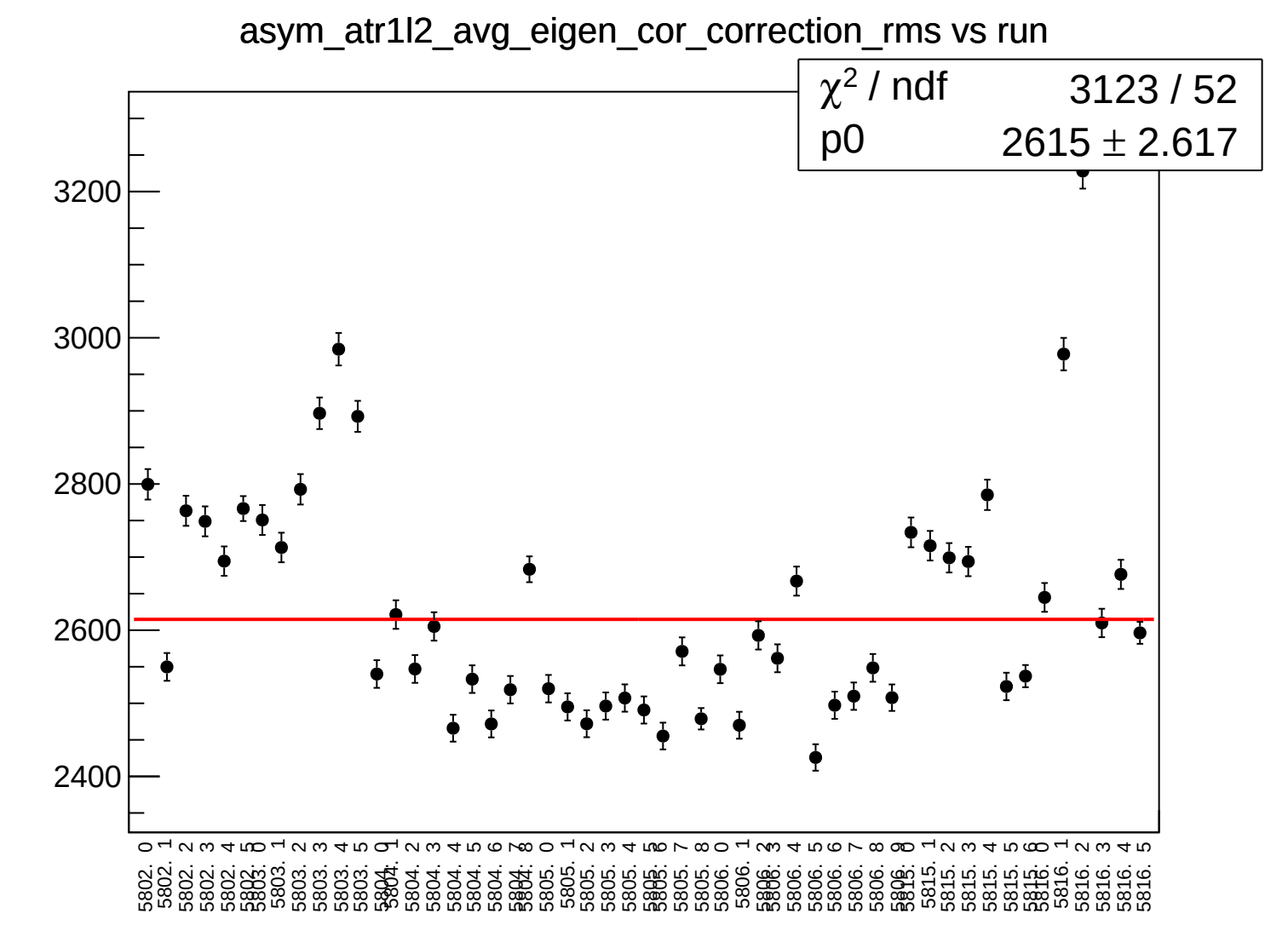

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 41.74 / 52
p0 728.2 ± 2330
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −233
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

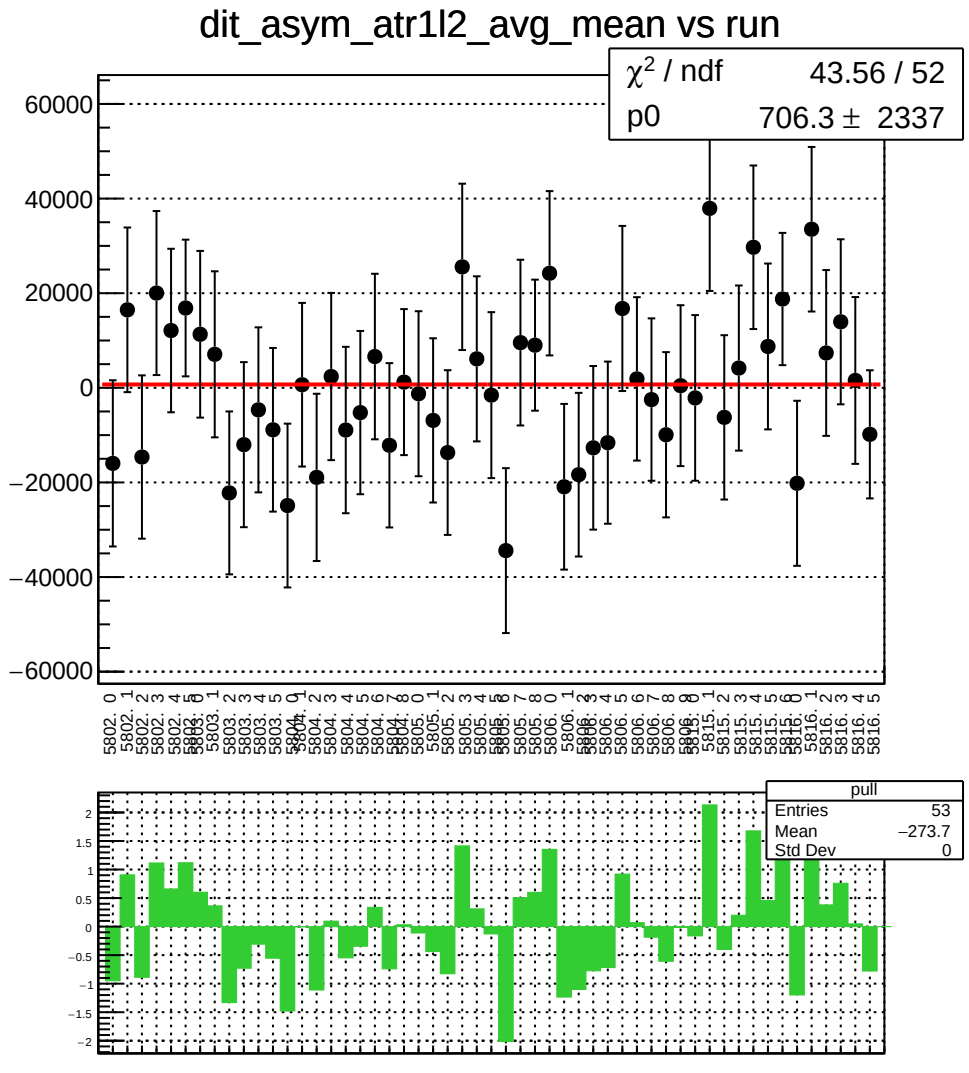

pull1D
Entries 53
Mean −0.01011
Std Dev 0.8874
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

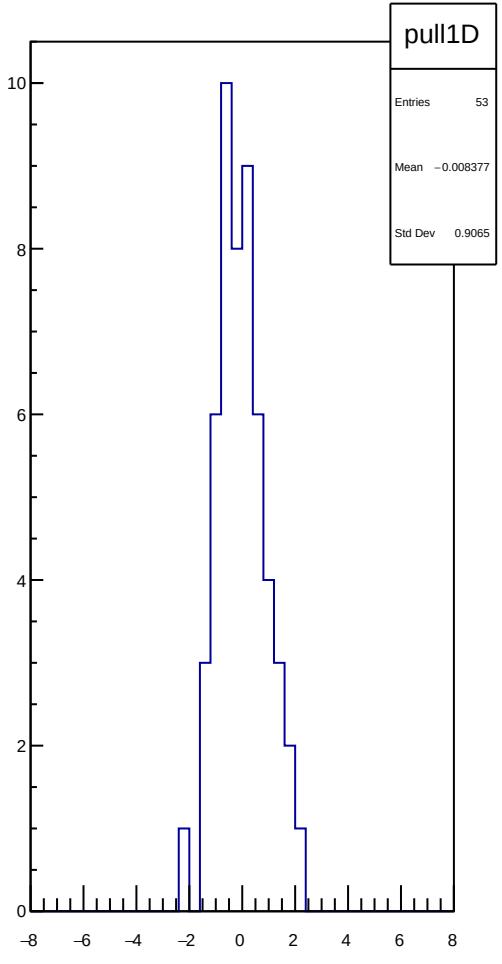

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 51.46 / 52
p0 1649 ± 1.647
1690
1680
1670
1660
1650
1640
1630
1620
1610
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

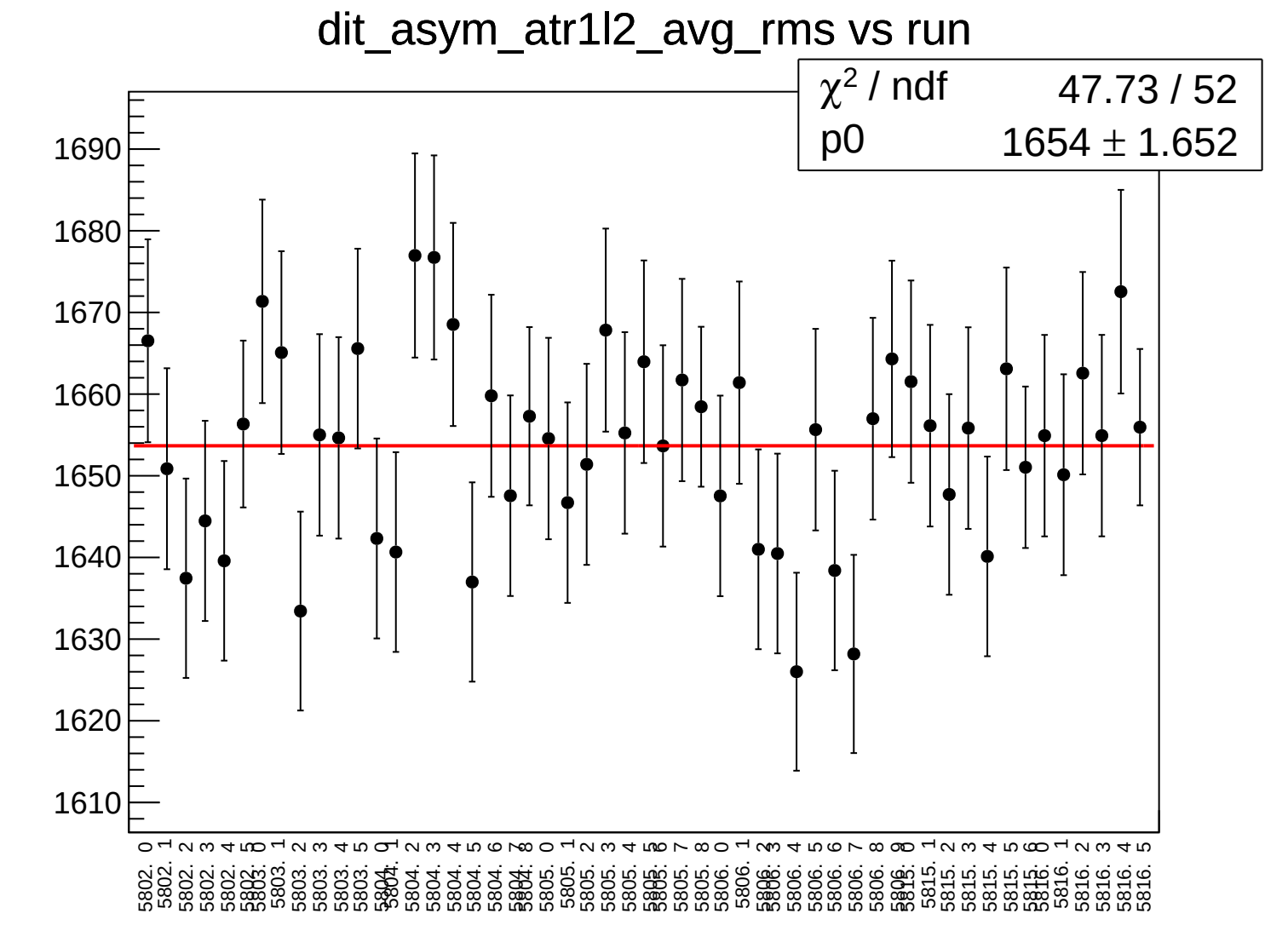

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 62.84 / 52
p0 −1931 ± 3701
pull
Entries 53
Mean −46.52
Std Dev 0

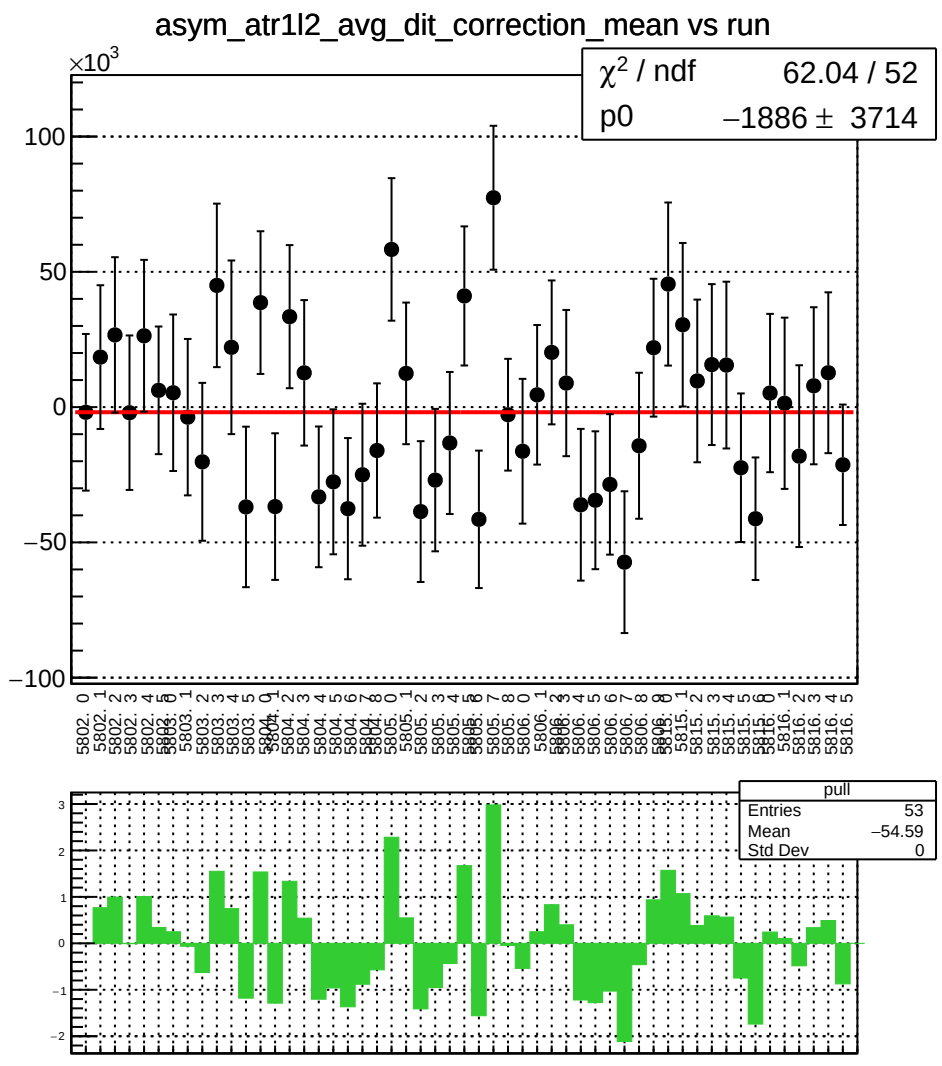

pull1D
Entries 53
Mean 0.02571
Std Dev 1.089

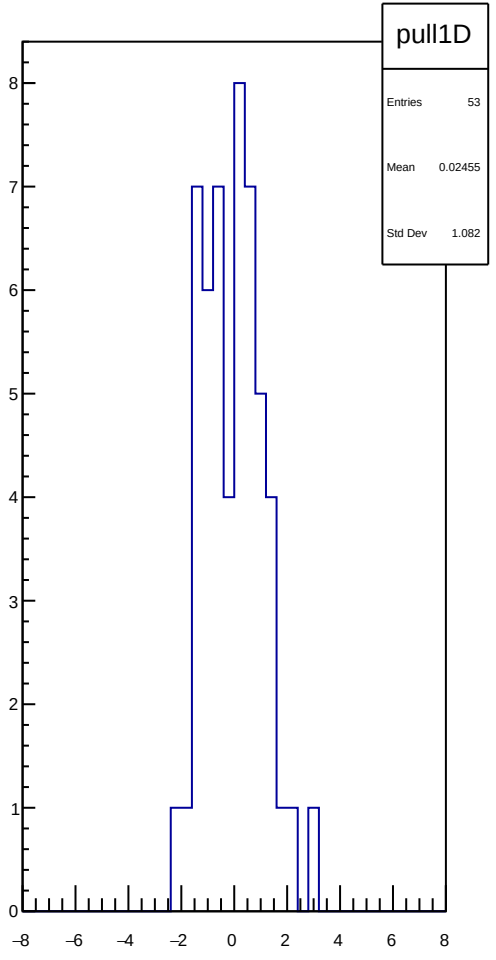

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3123 / 52
p0 2615 ± 2.617
3200
3000
2800
2600
2400

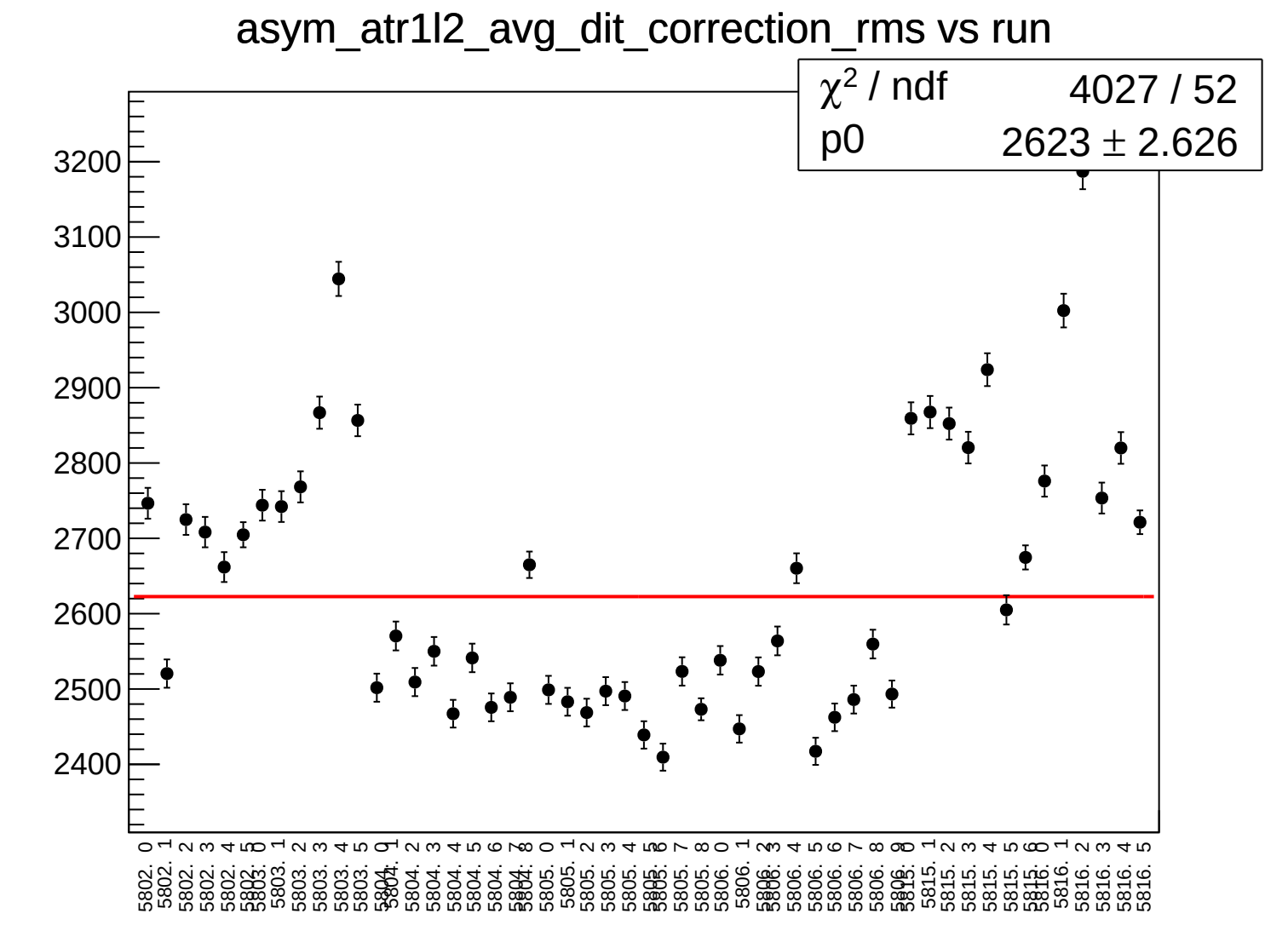

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 43.56 / 52
p0 706.3 ± 2337
pull
Entries 53
Mean −273.7
Std Dev 0

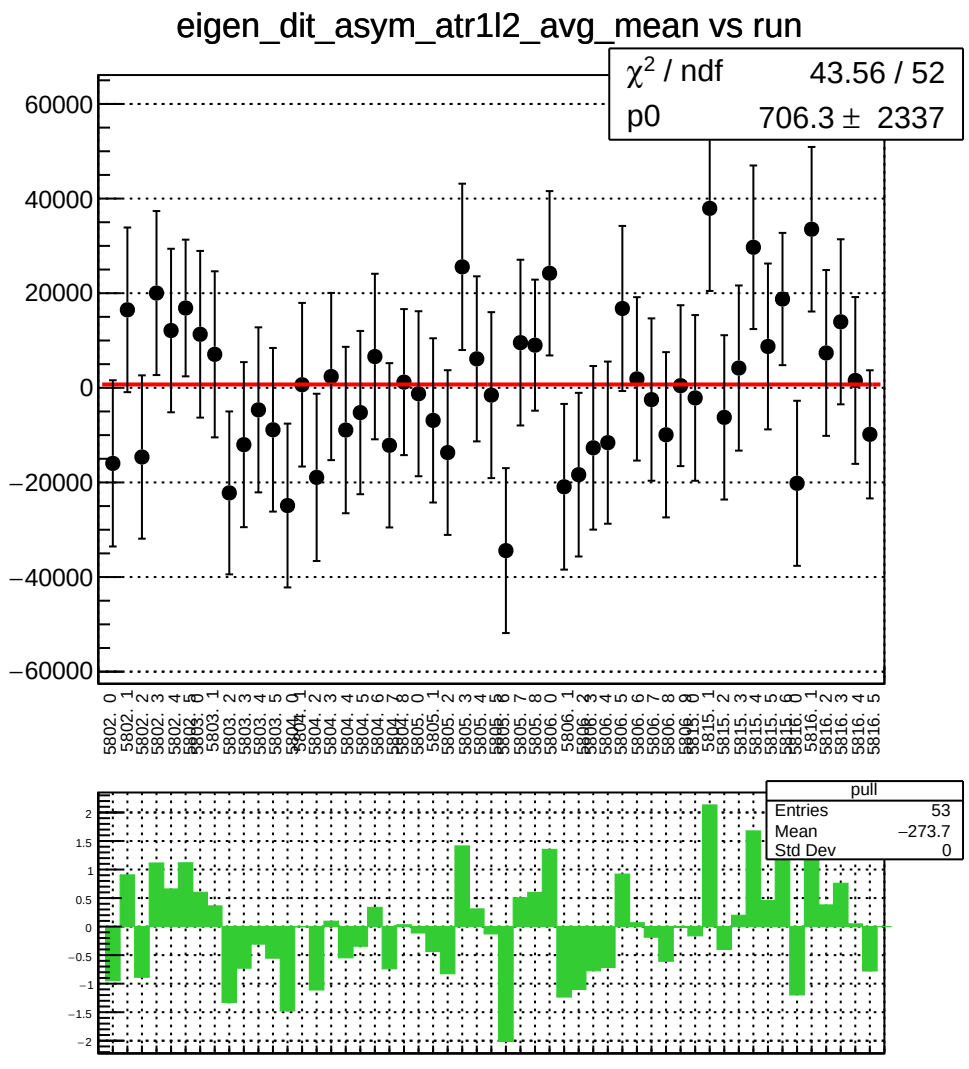

pull1D
Entries 53
Mean −0.008377
Std Dev 0.9065

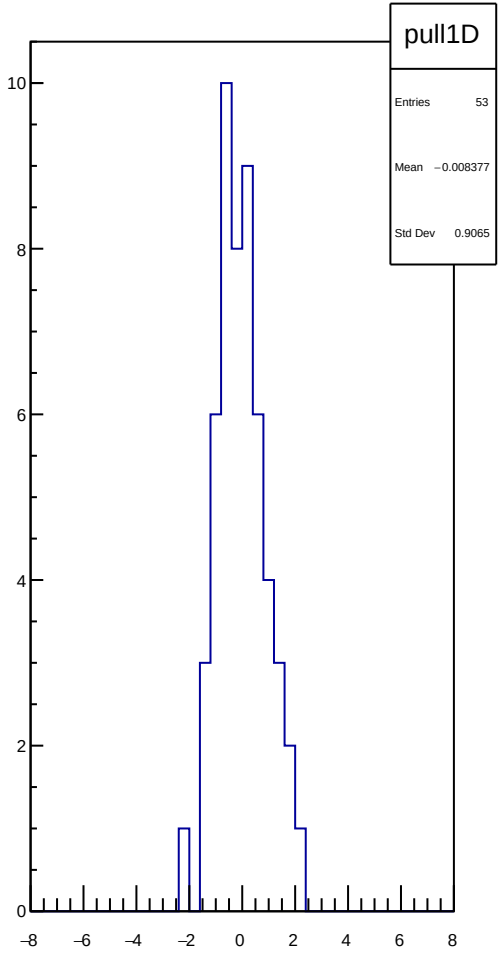

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 47.73 / 52
p0 1654 ± 1.652
1690
1680
1670
1660
1650
1640
1630
1620
1610
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

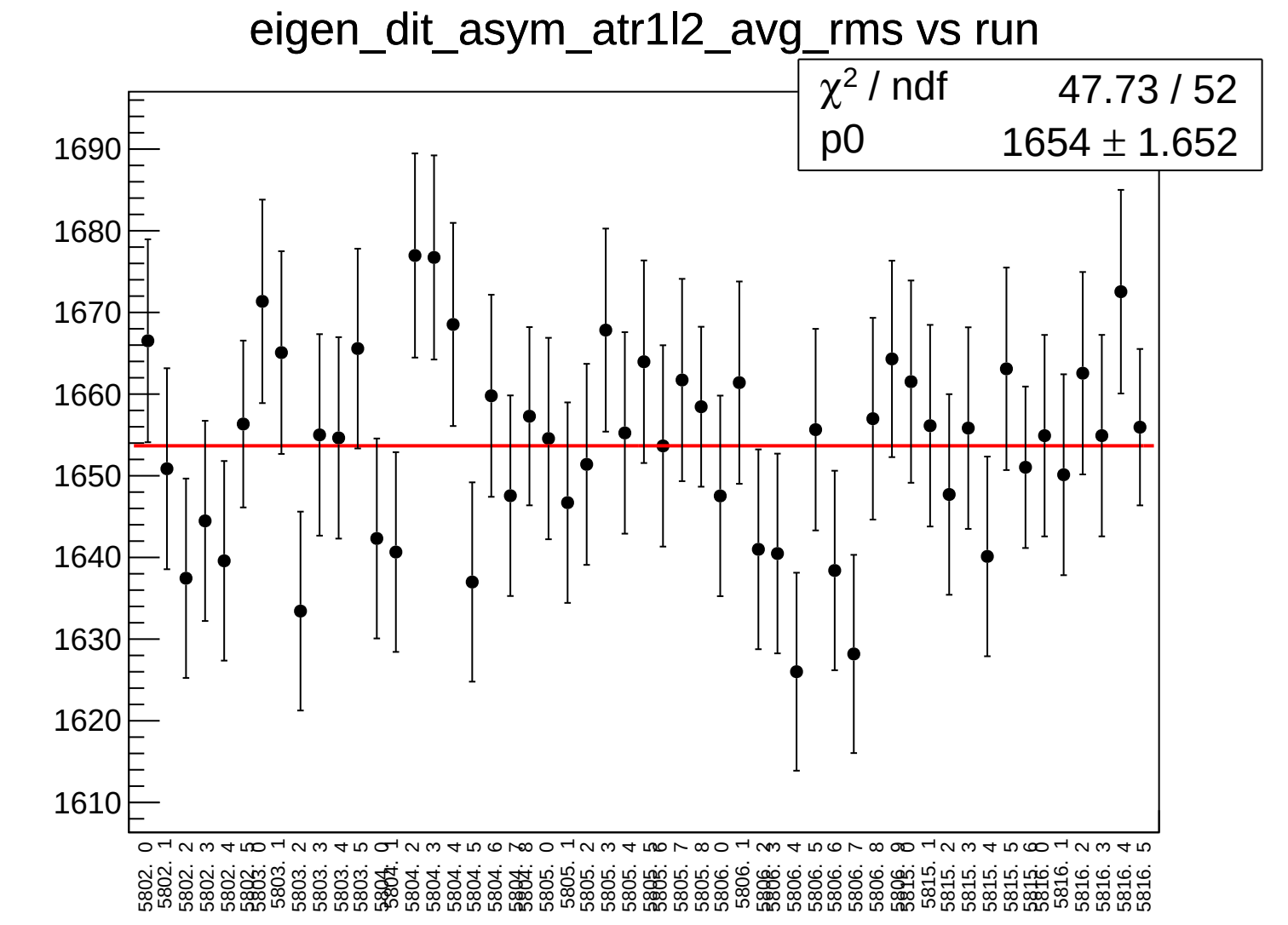

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 62.04 / 52
p0 −1886 ± 3714
100
50
0
−50
−100
pull
Entries 53
Mean −54.59
Std Dev 0
3
2
1
0
−1
−2

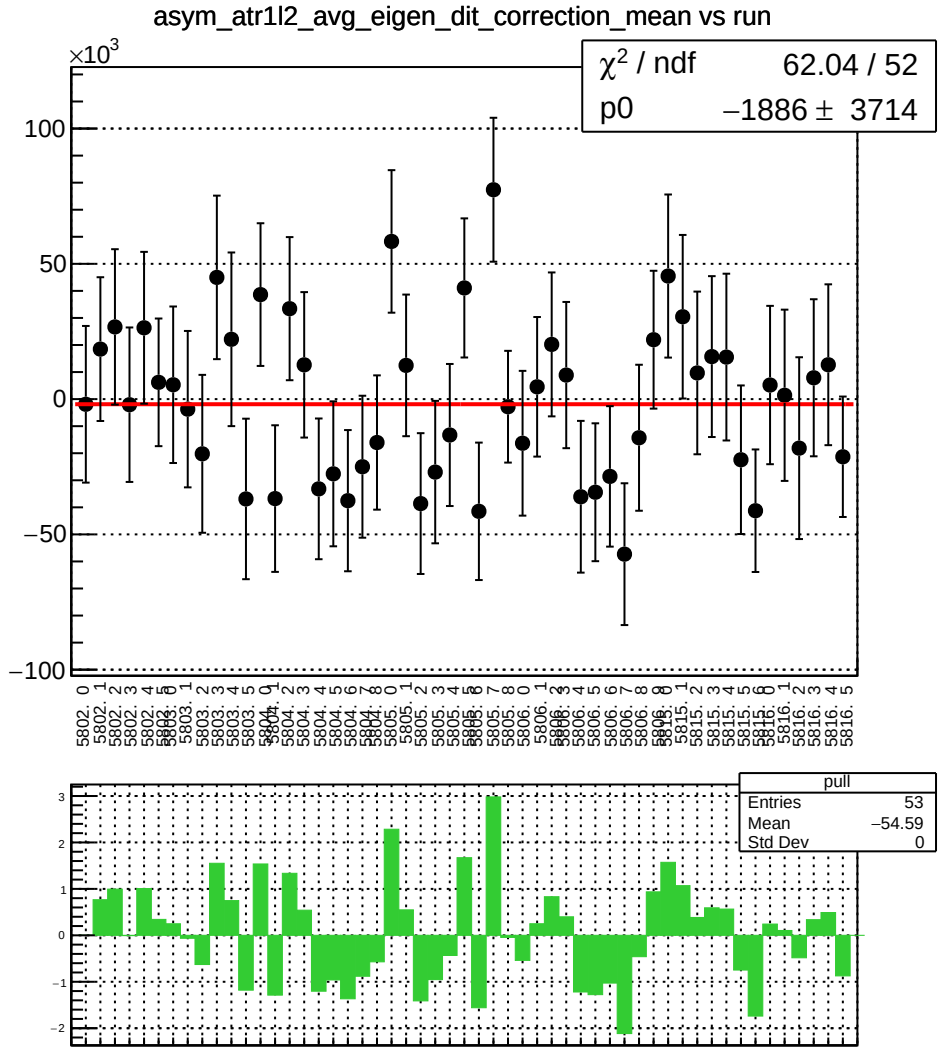

pull1D
Entries 53
Mean 0.02455
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

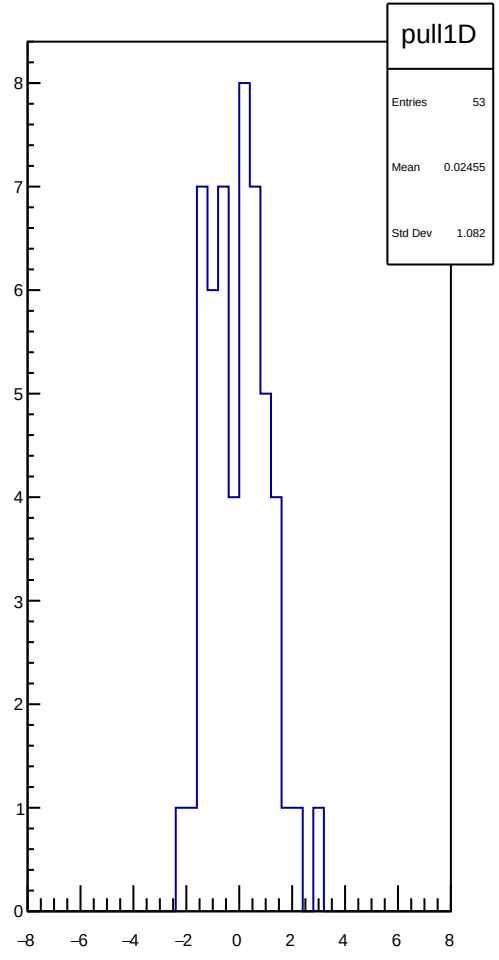

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 4027 / 52
p0 2623 ± 2.626
3200
3100
3000
2900
2800
2700
2600
2500
2400

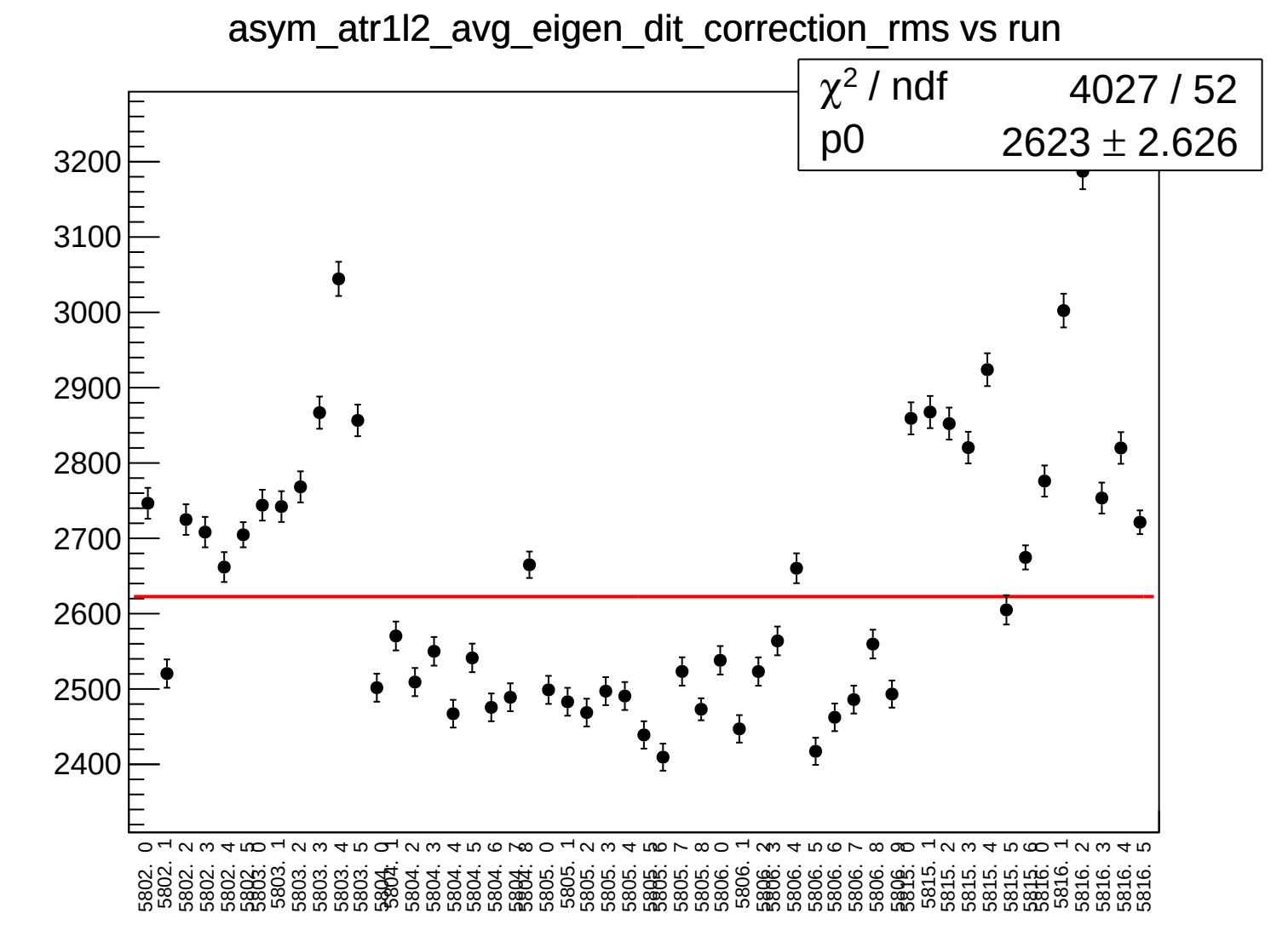

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 43.56 / 52
p0 706.3 ± 2337
pull
Entries 53
Mean −273.7
Std Dev 0

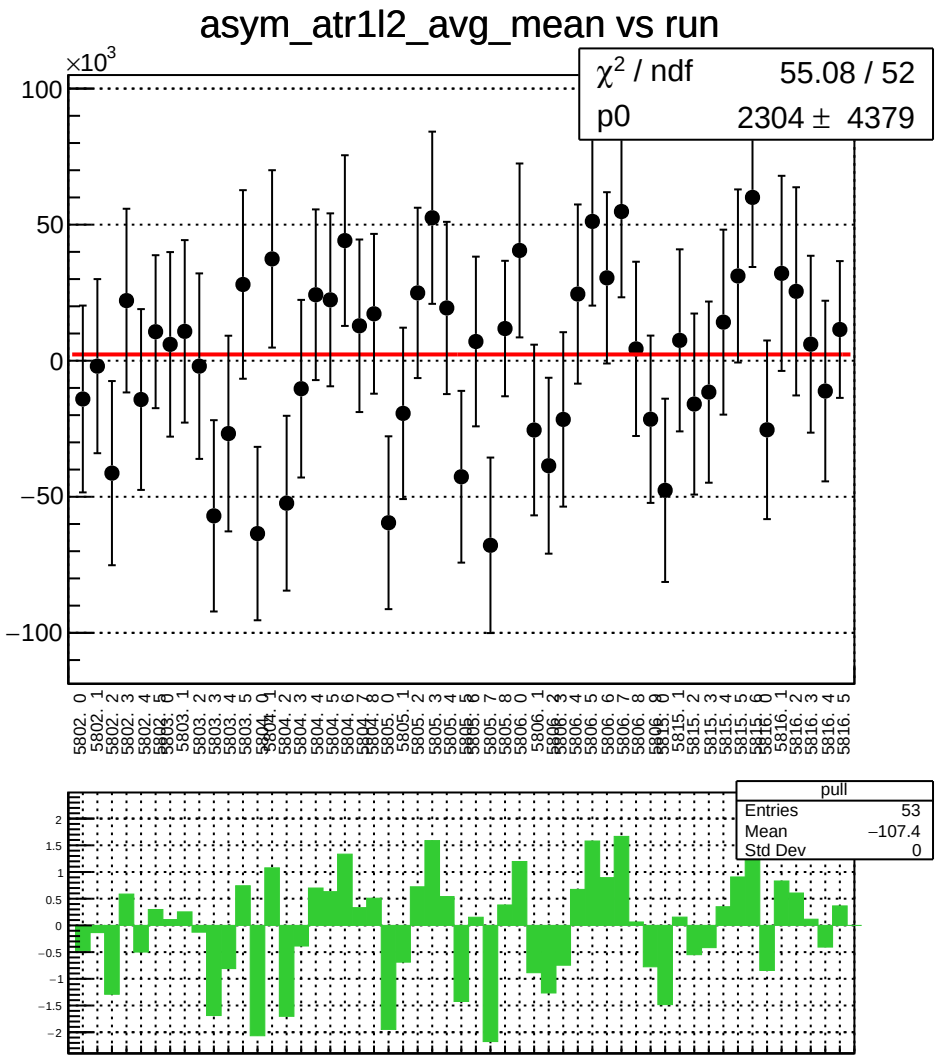

pull1D
Entries 53
Mean −0.008377
Std Dev 0.9065

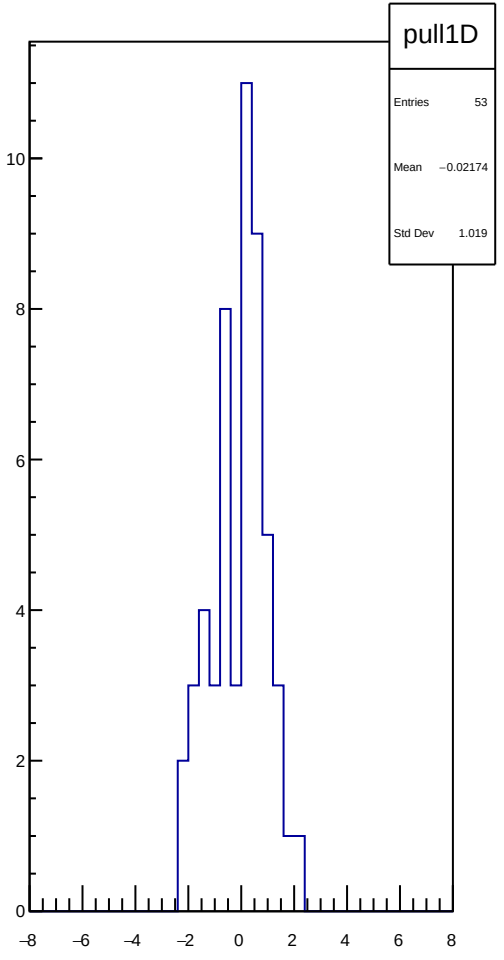

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 47.73 / 52
p0 1654 ± 1.652
1690
1680
1670
1660
1650
1640
1630
1620
1610
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

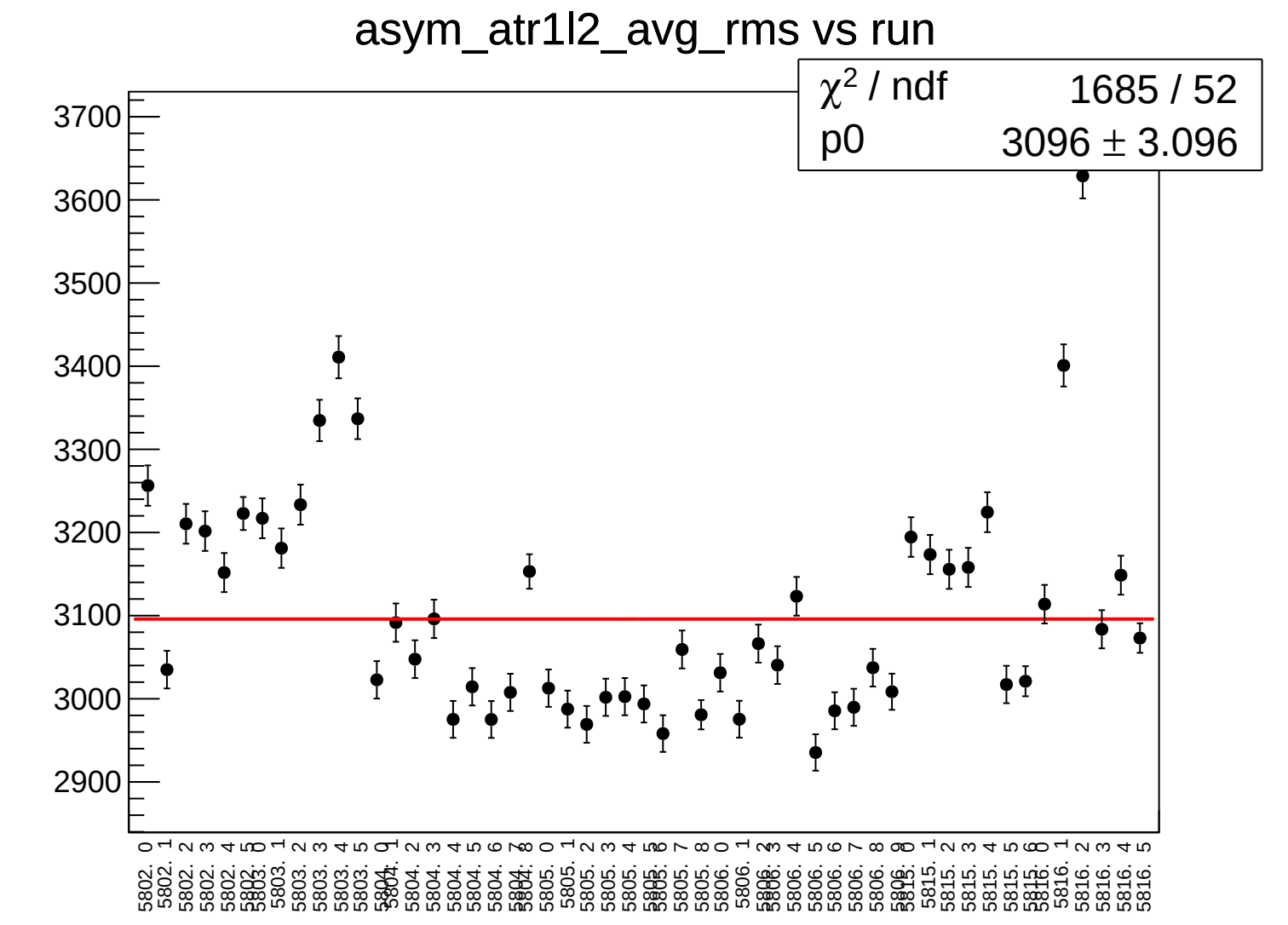

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 62.04 / 52
p0 −1886 ± 3714
100
50
0
−50
−100
pull
Entries 53
Mean −54.59
Std Dev 0
3
2
1
0
−1
−2

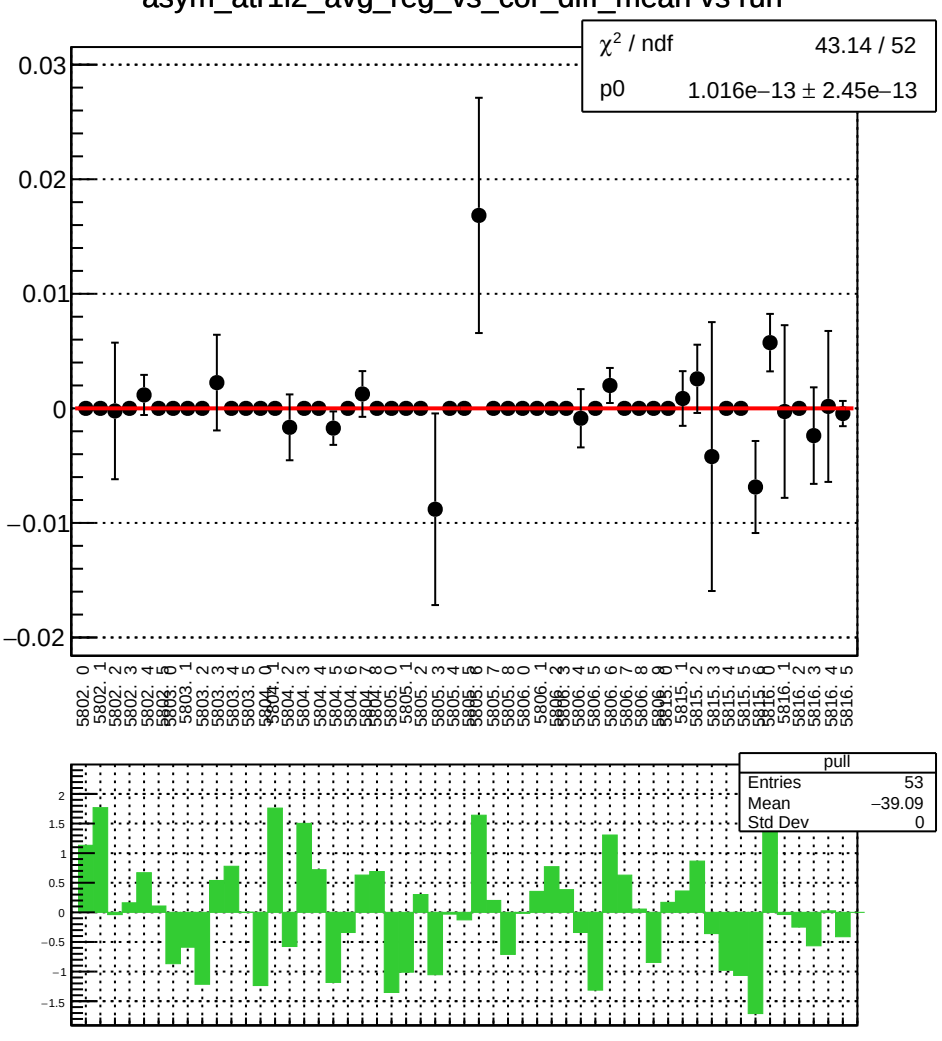

pull1D
Entries 53
Mean 0.02455
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

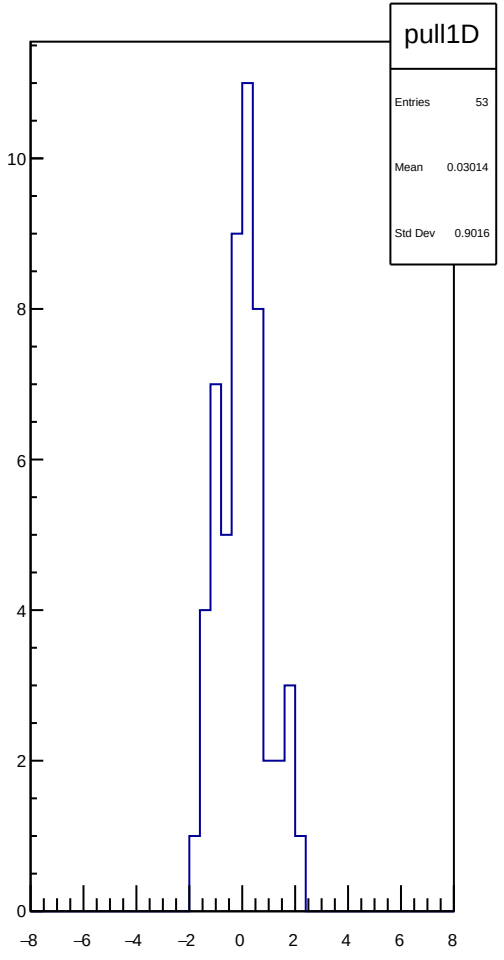

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4027 / 52
p0 2623 ± 2.626
3200
3100
3000
2900
2800
2700
2600
2500
2400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

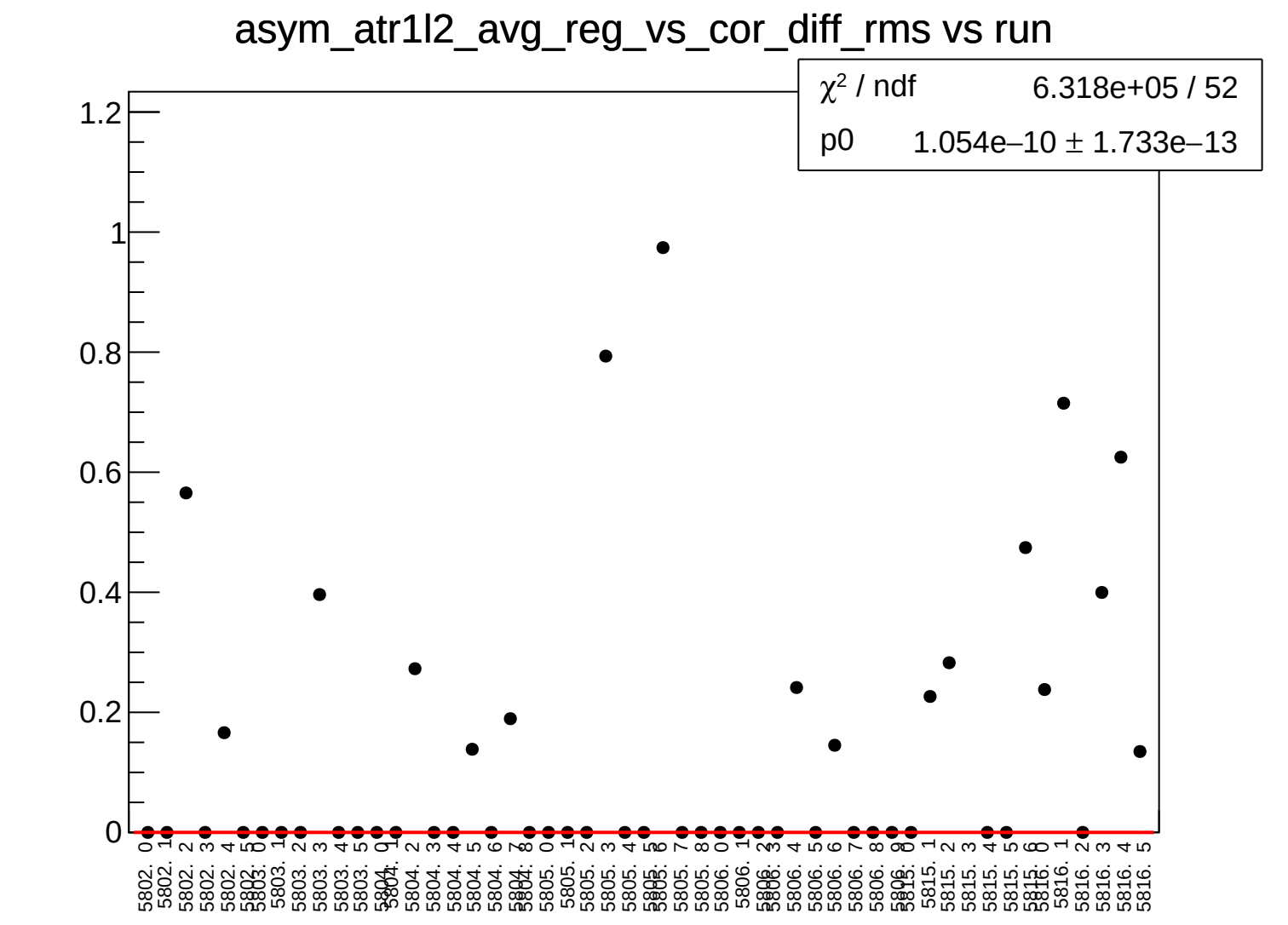

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 55.08 / 52
p0 2304 ± 4379
100
50
0
−50
−100
pull
Entries 53
Mean −107.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

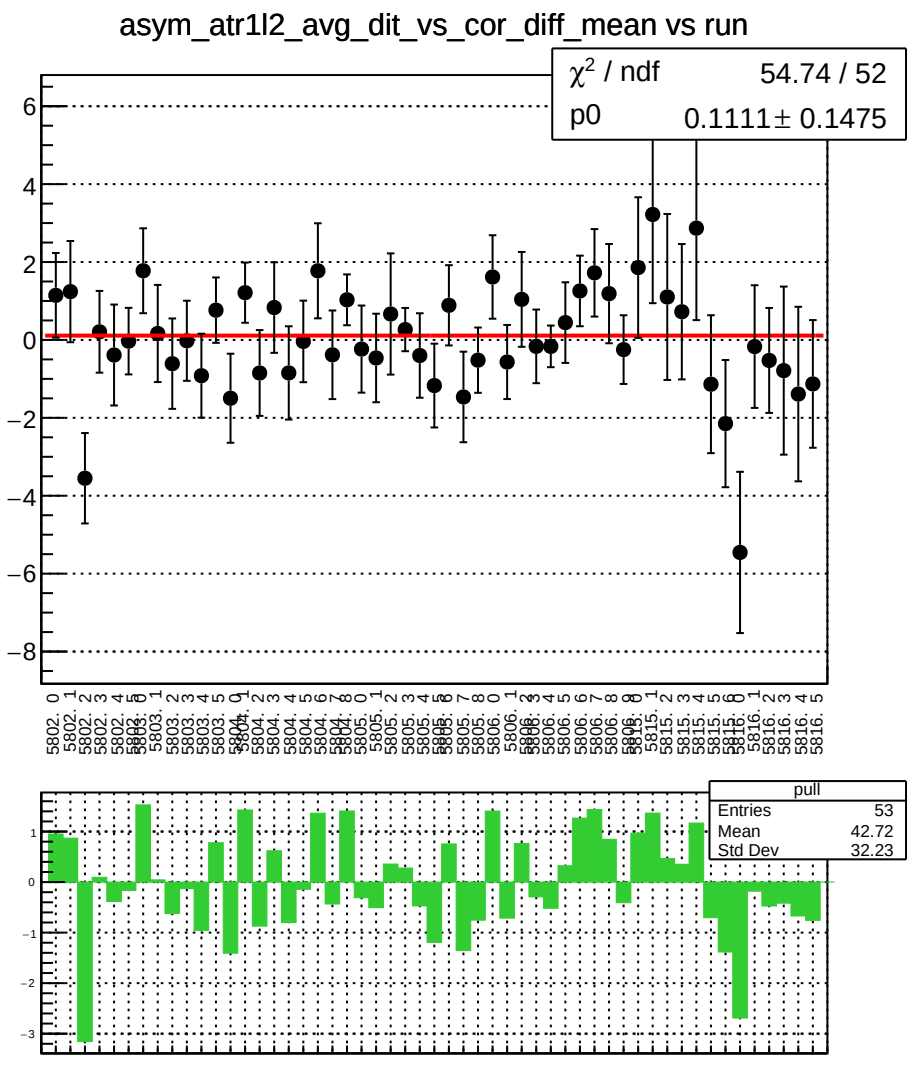

pull1D
Entries 53
Mean −0.02174
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

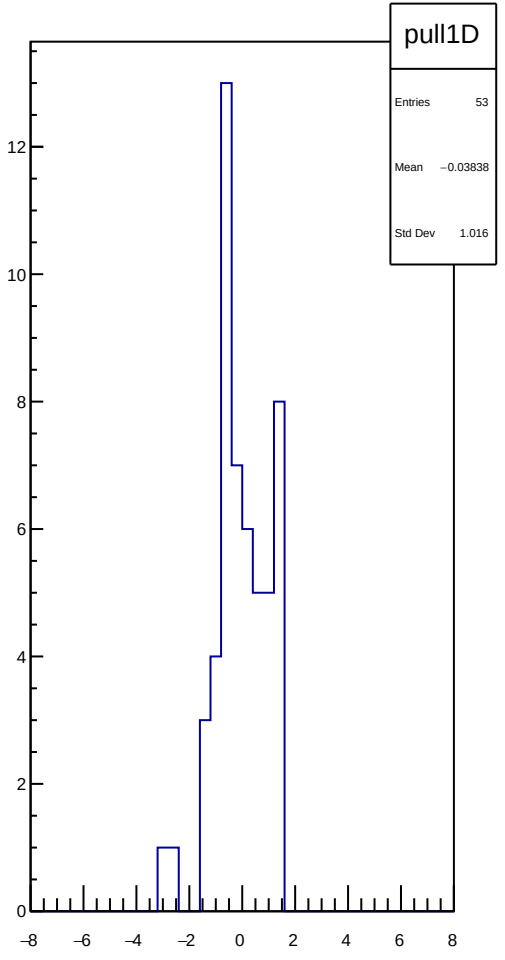

asym_atr1l2_avg_rms vs run
χ² / ndf 1685 / 52
p0 3096 ± 3.096
3700
3600
3500
3400
3300
3200
3100
3000
2900

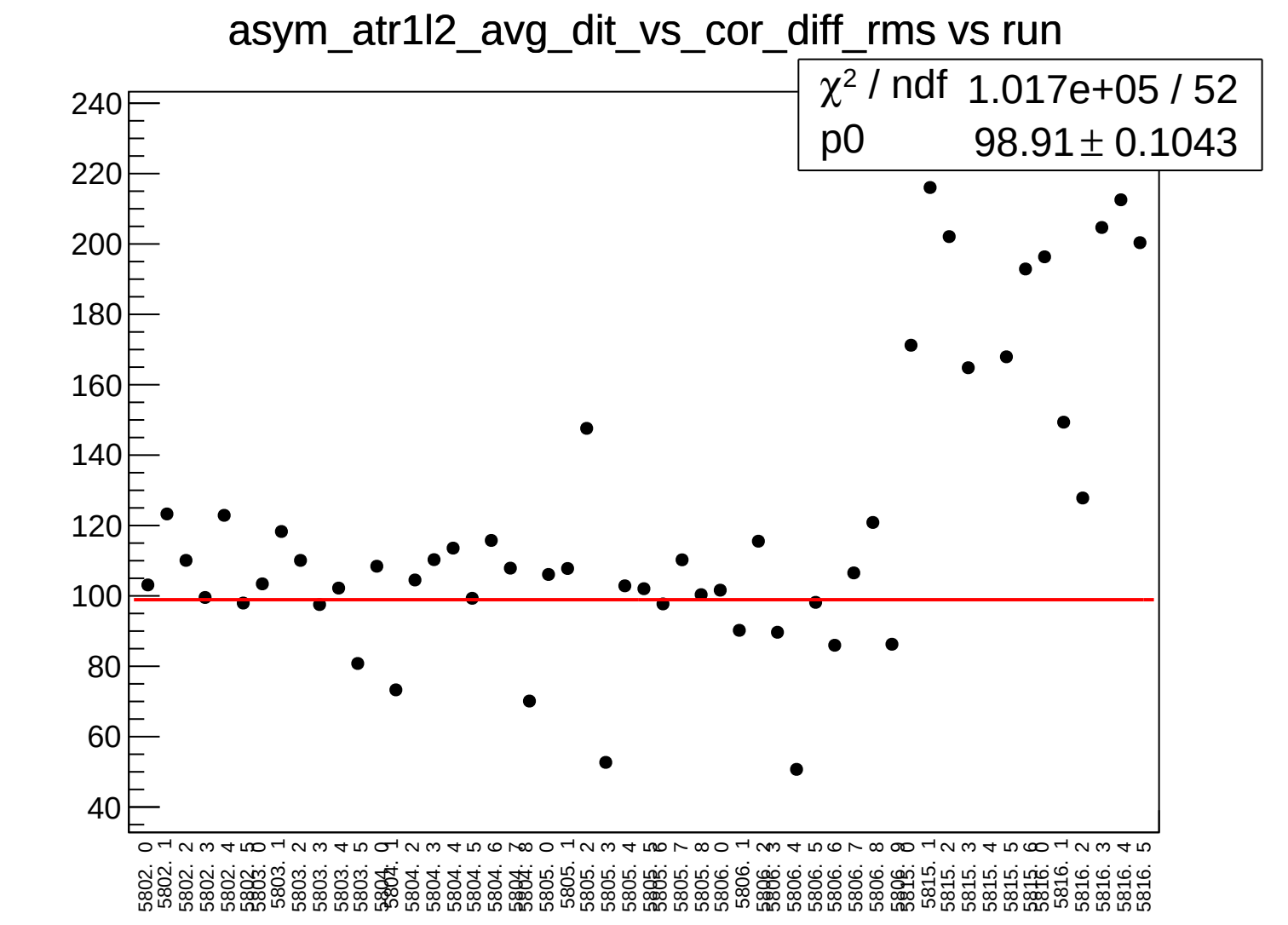

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.14 / 52
p0 1.016e−13 ± 2.45e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean −39.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.03014
Std Dev 0.9016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

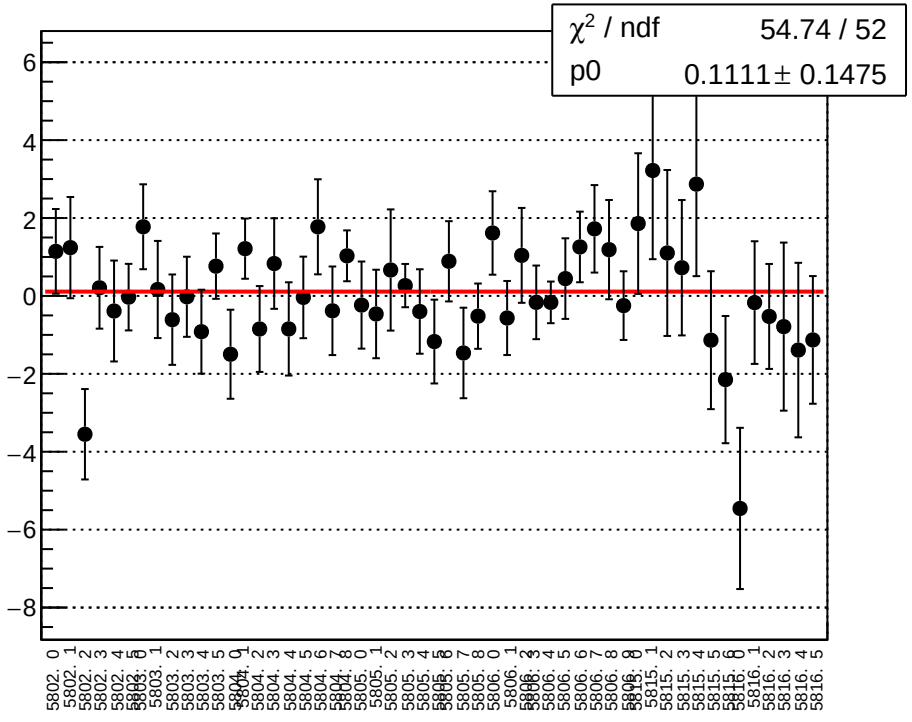

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.318e+05 / 52
p0 1.054e−10 ± 1.733e−13
1.2
1
0.8
0.6
0.4
0.2
0

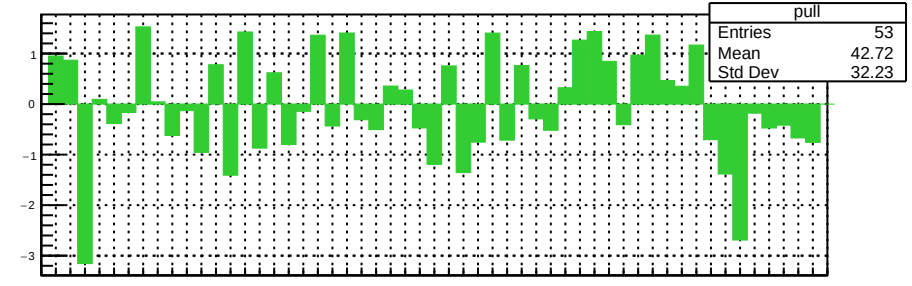

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.74 / 52
p0 0.1111 ± 0.1475
pull
Entries 53
Mean 42.72
Std Dev 32.23

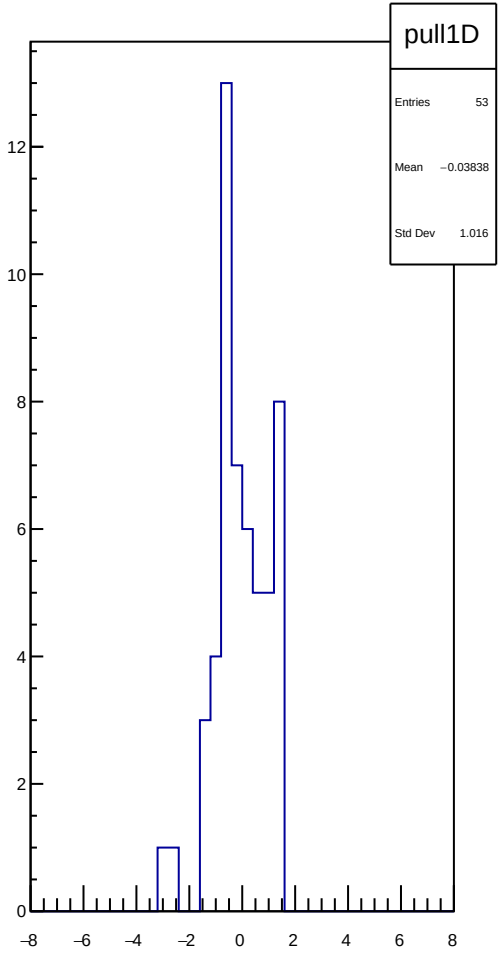

pull1D
Entries 53
Mean −0.03838
Std Dev 1.016

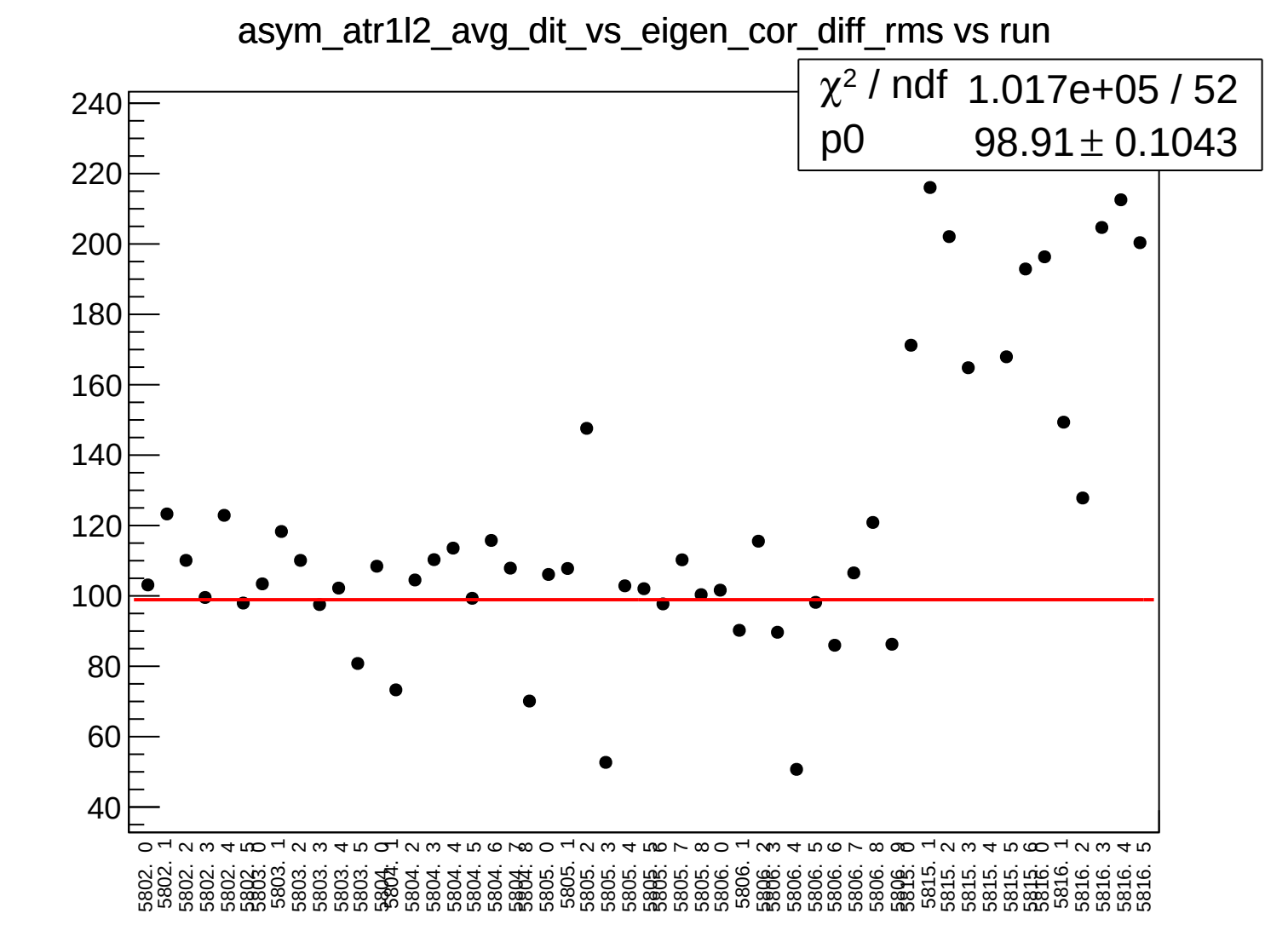

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.017e+05 / 52
p0 98.91 ± 0.1043
240
220
200
180
160
140
120
100
80
60
40

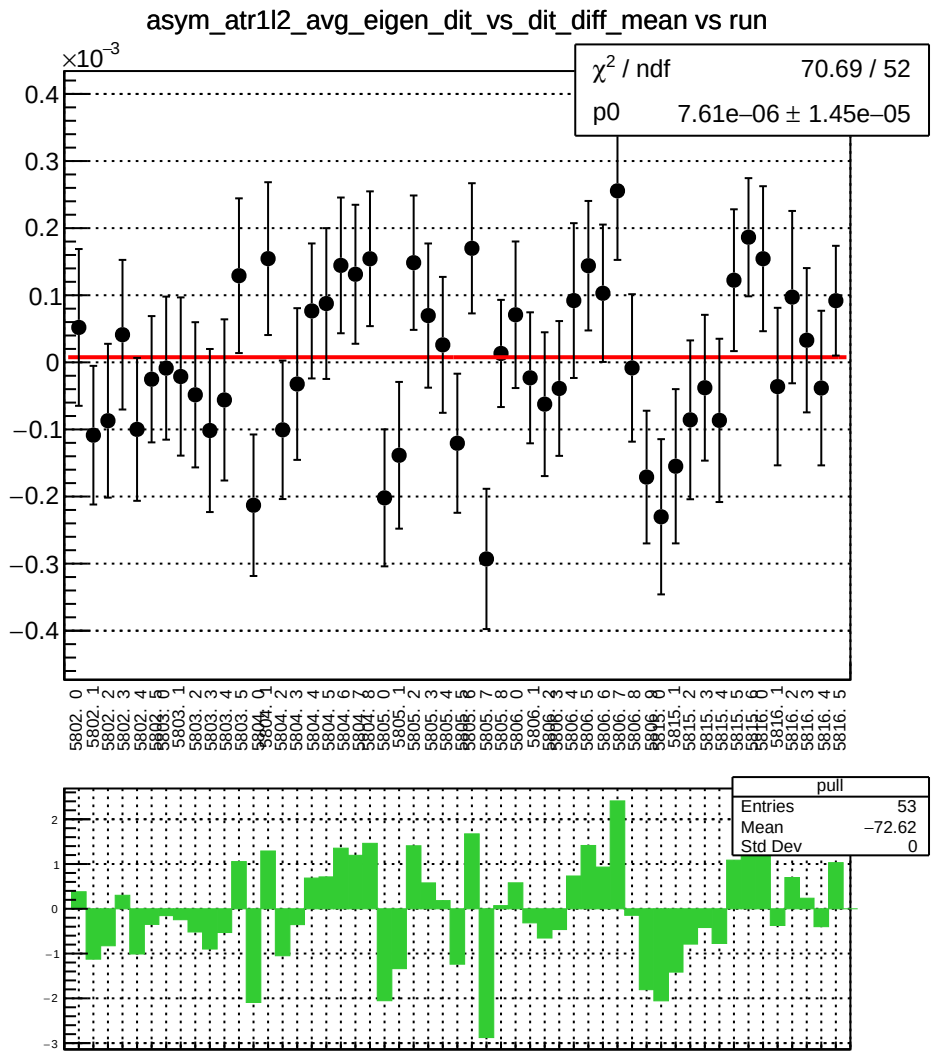
asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run

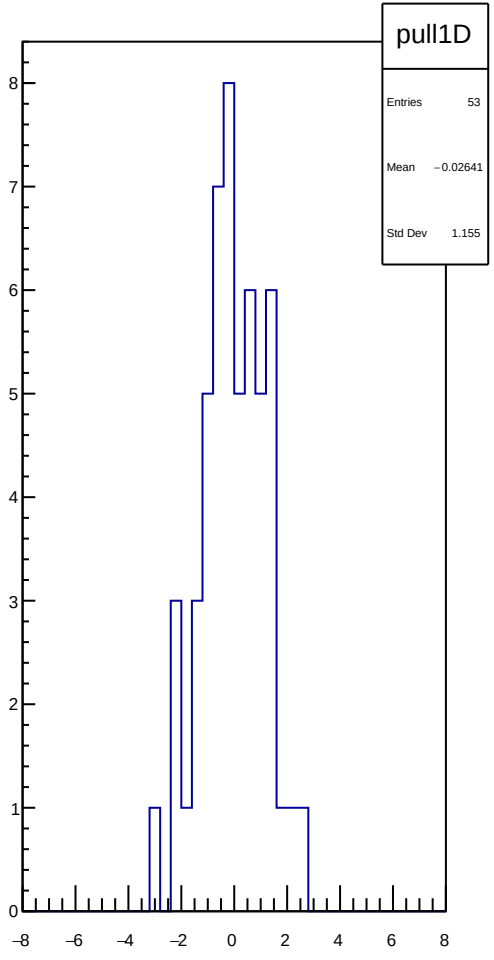


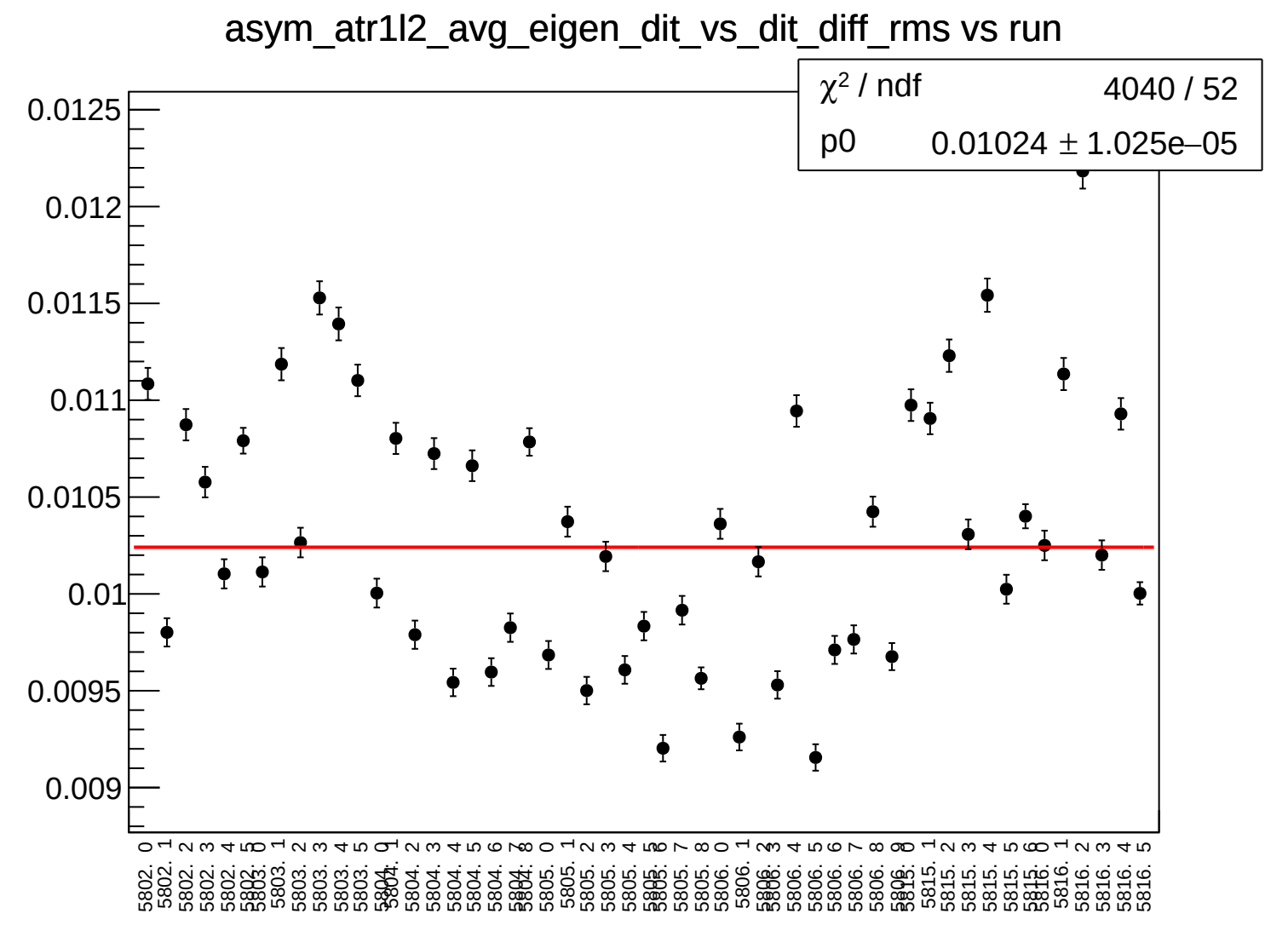


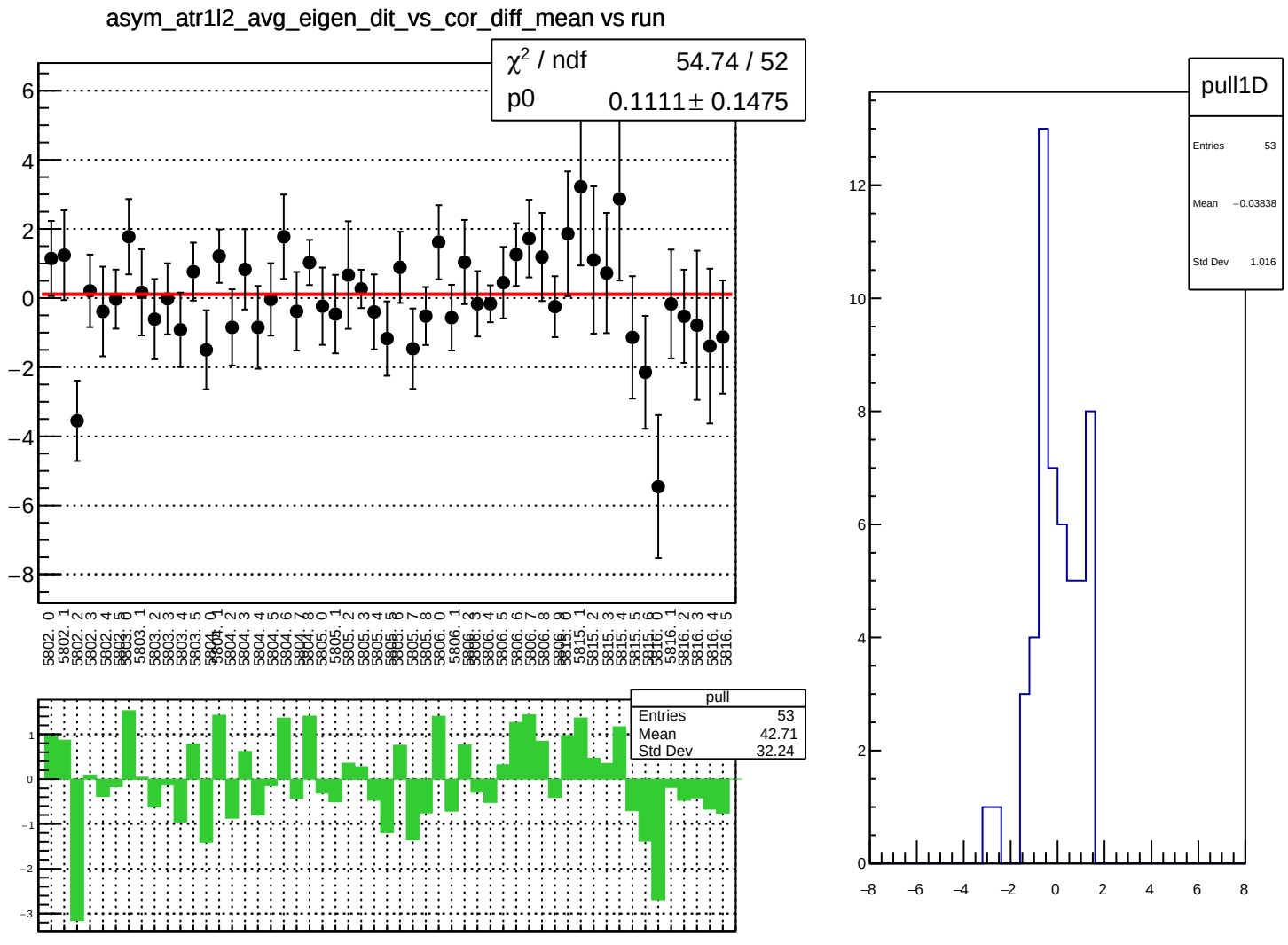


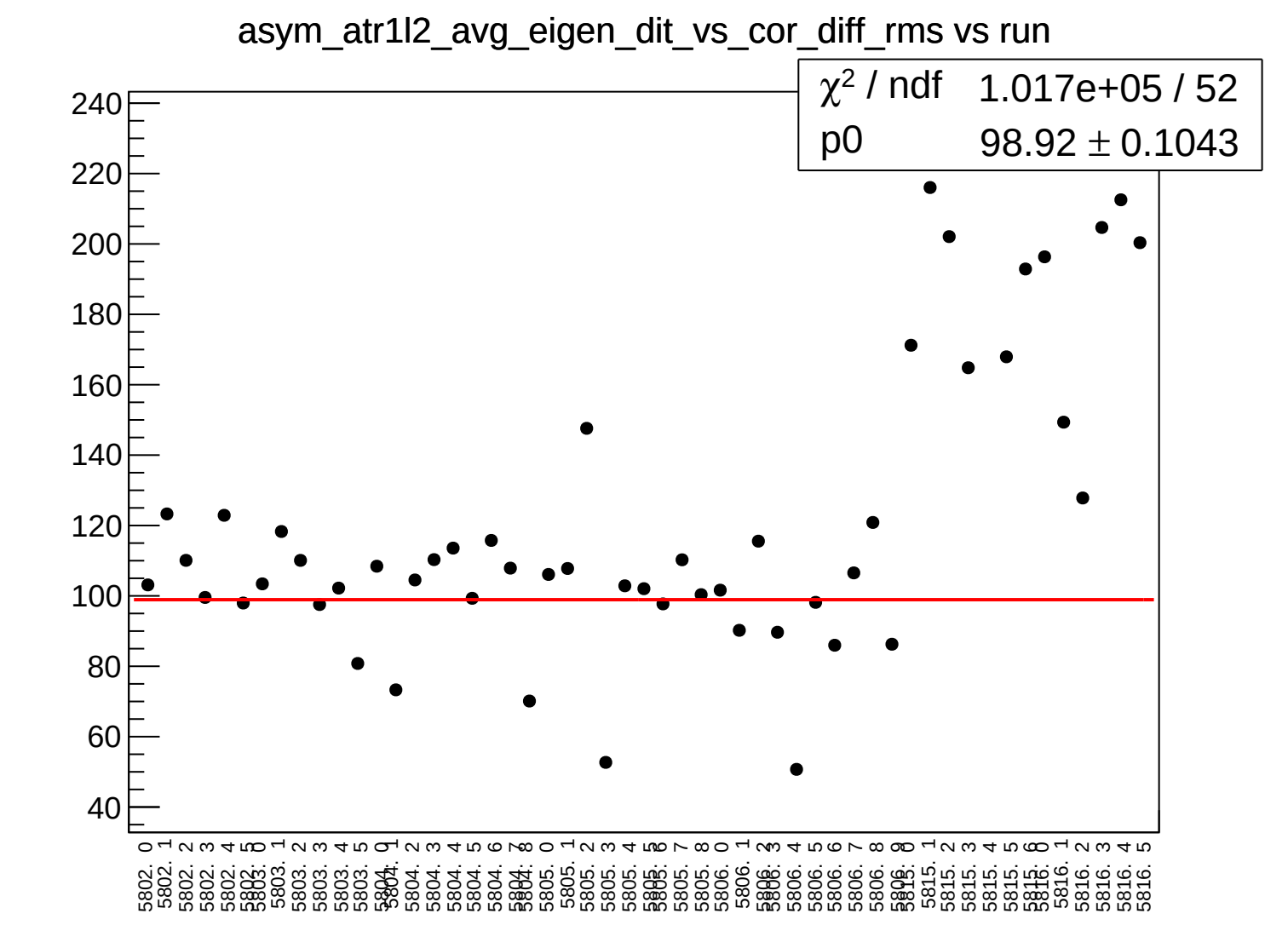

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.017e+05 / 52
p0 98.91 ± 0.1043
240
220
200
180
160
140
120
100
80
60
40


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.69 / 52
p0 7.61e−06 ± 1.45e−05
pull
Entries 53
Mean −72.62
Std Dev 0

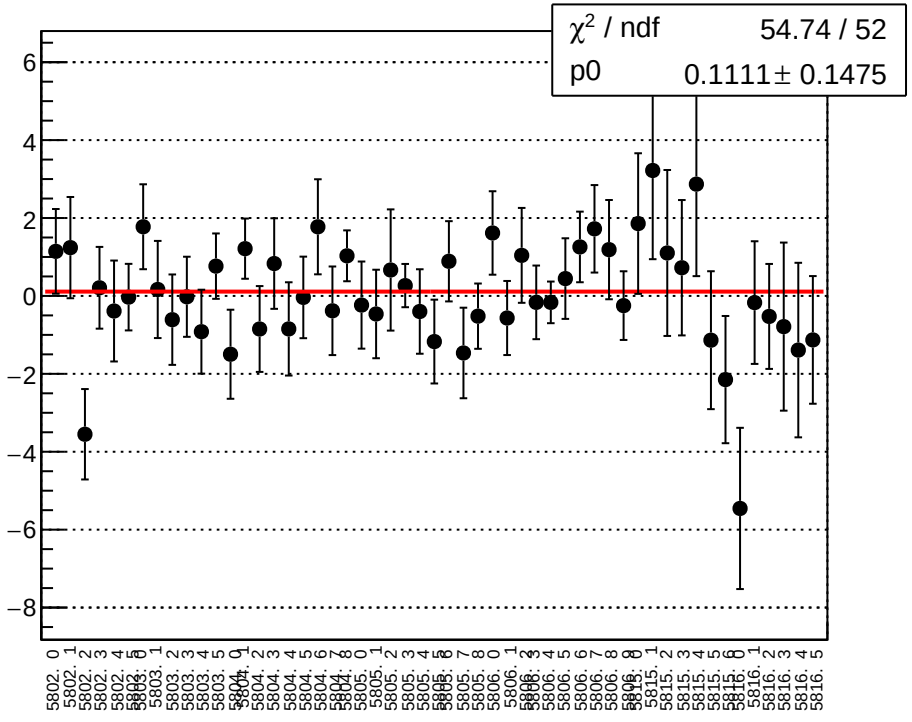

pull1D
Entries 53
Mean −0.02641
Std Dev 1.155

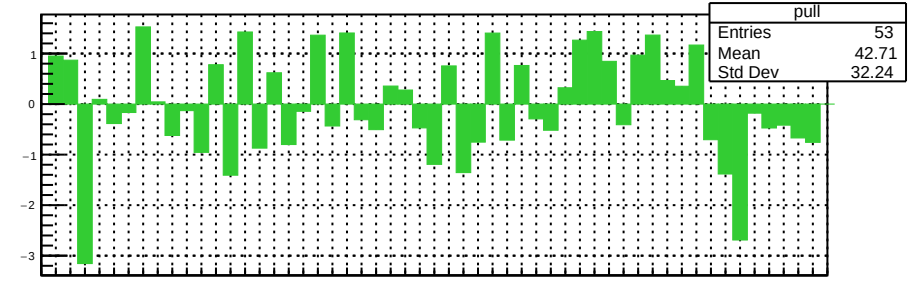

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4040 / 52
p0 0.01024 ± 1.025e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

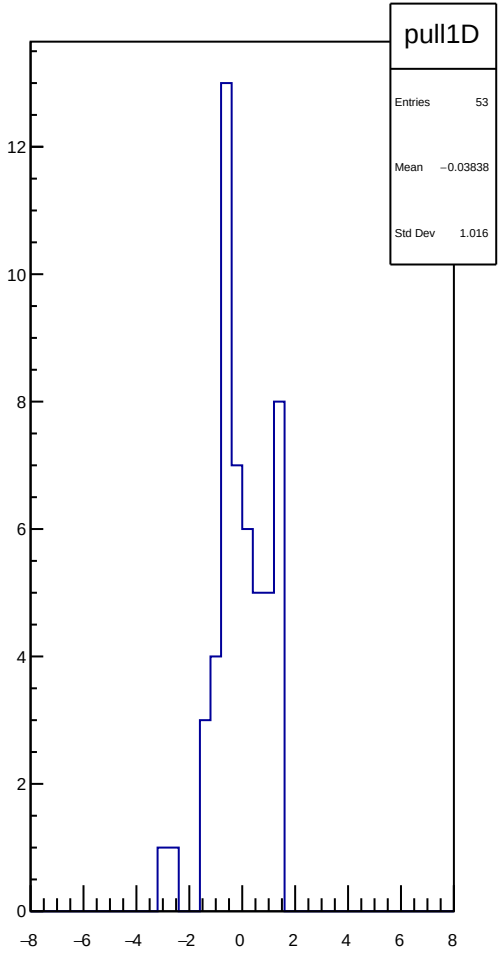

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.74 / 52
p0 0.1111 ± 0.1475
pull
Entries 53
Mean 42.71
Std Dev 32.24
pull1D
Entries 53
Mean −0.03838
Std Dev 1.016

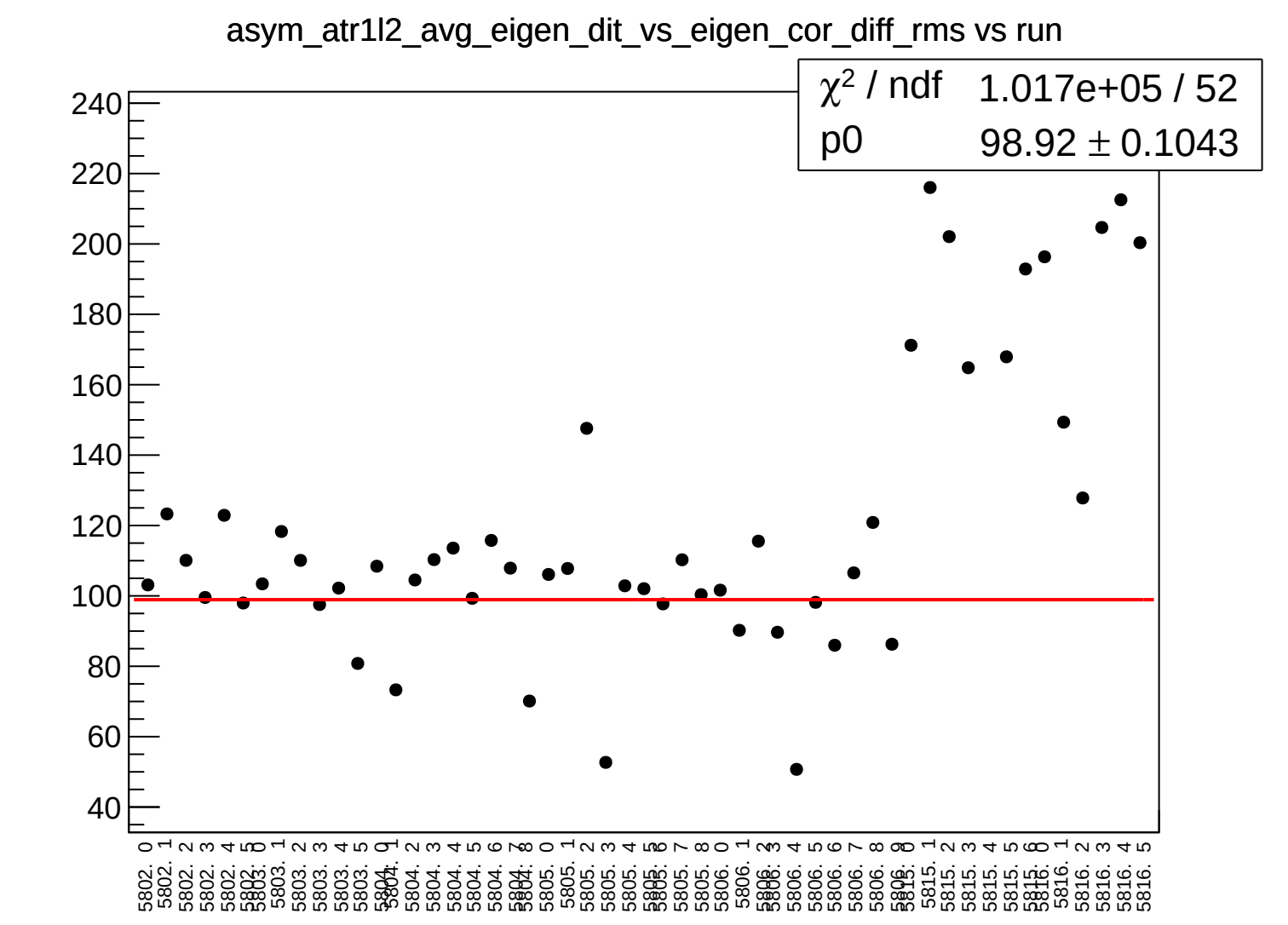

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.017e+05 / 52
p0 98.92 ± 0.1043
240
220
200
180
160
140
120
100
80
60
40

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run








asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.017e+05 / 52
p0 98.92 ± 0.1043
240
220
200
180
160
140
120
100
80
60
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
5805. 3
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5805. 7
5805. 8
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5806. 4
5806. 5
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5806. 7
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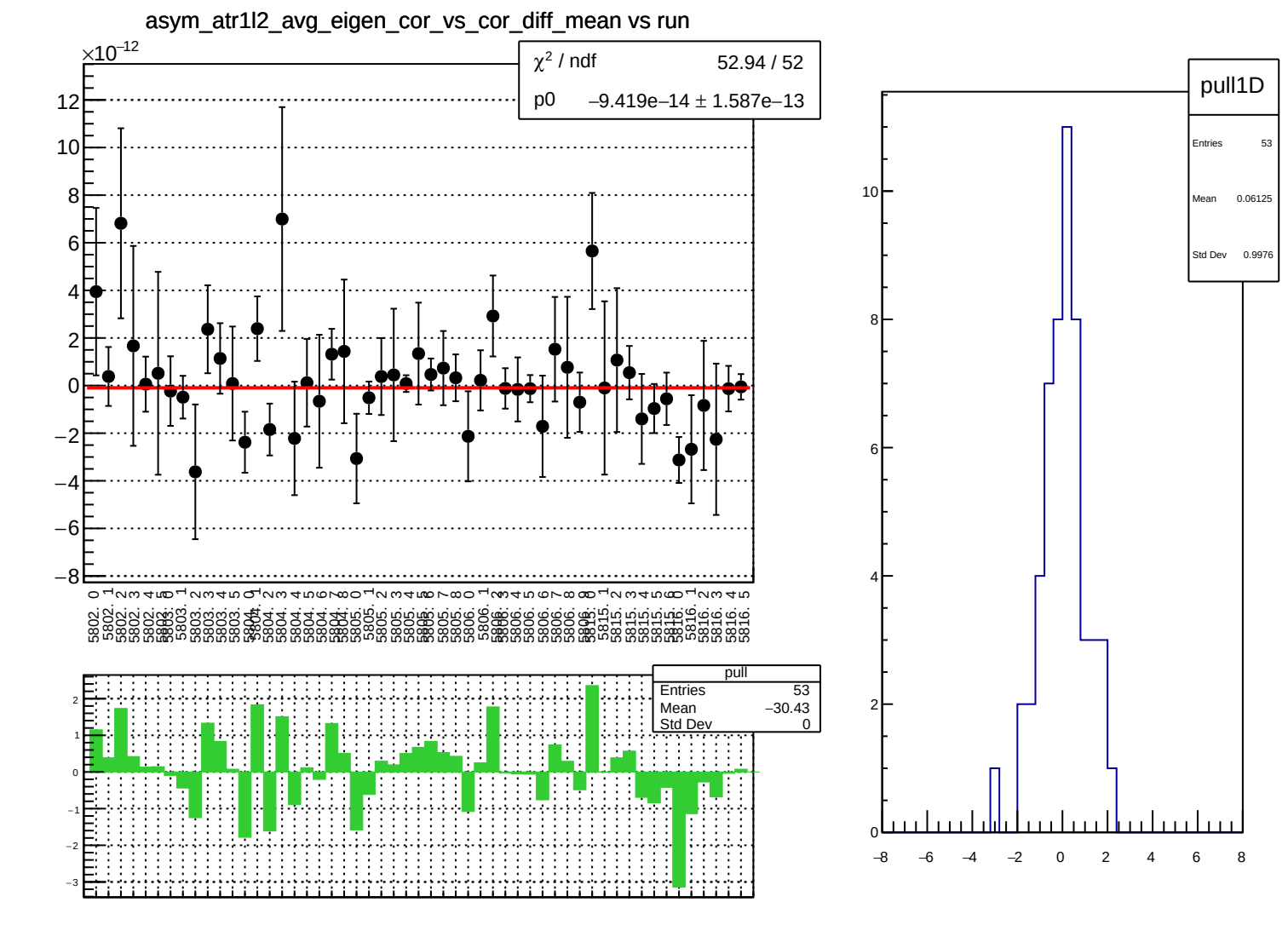
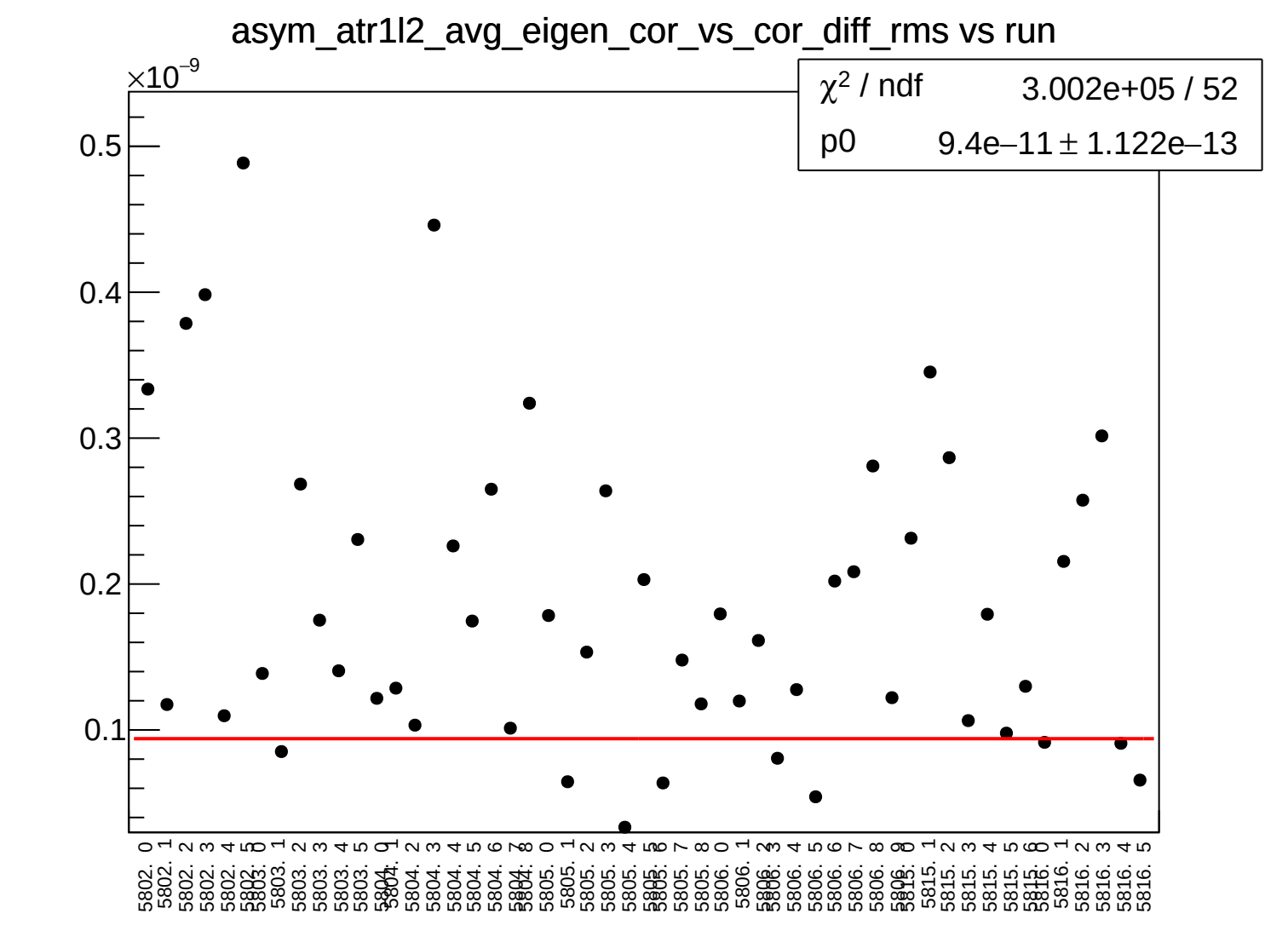
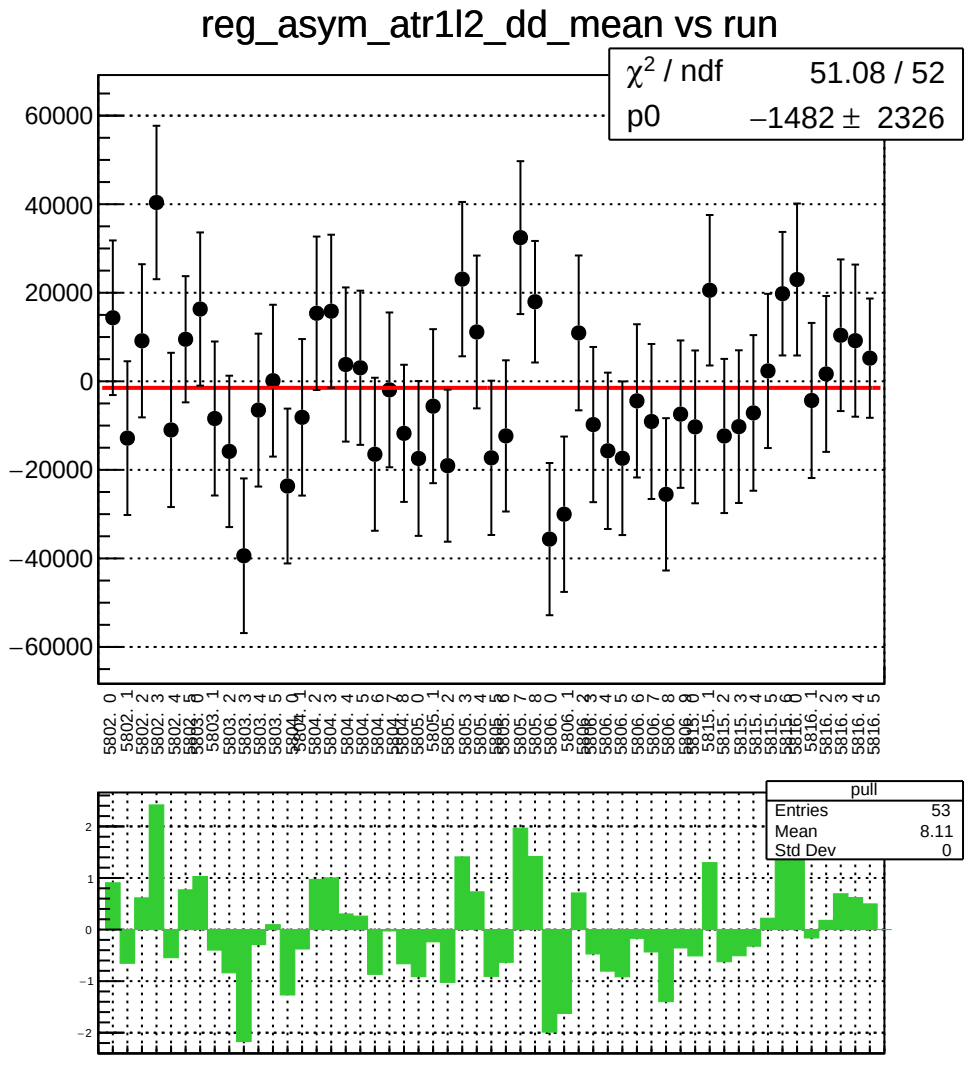
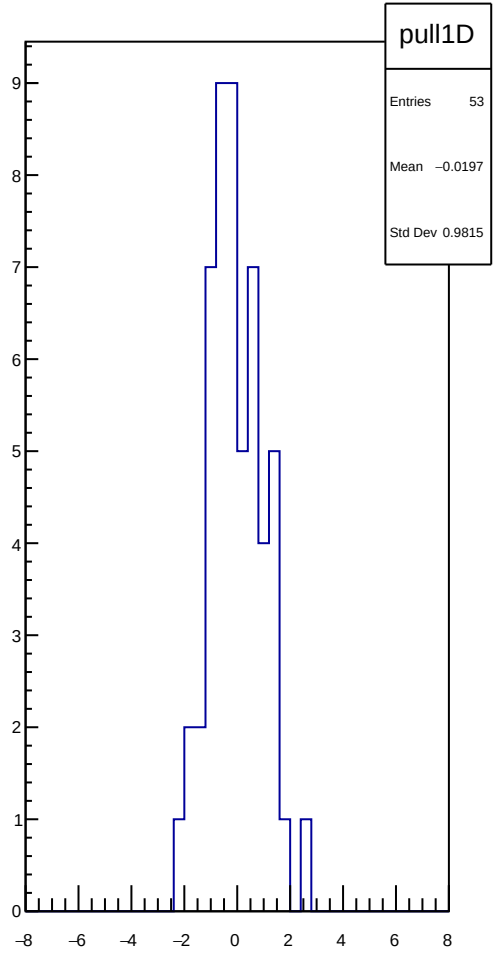
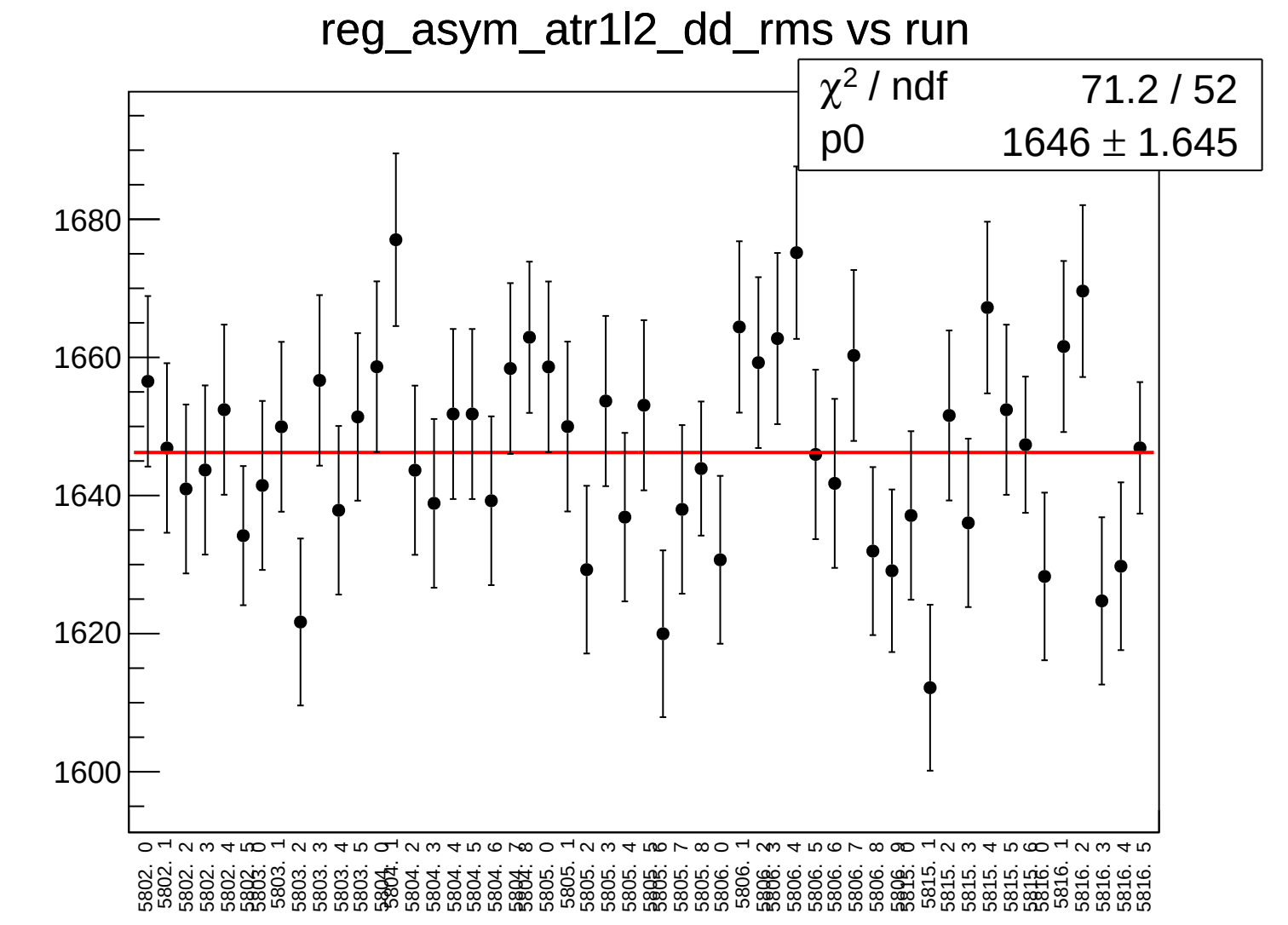
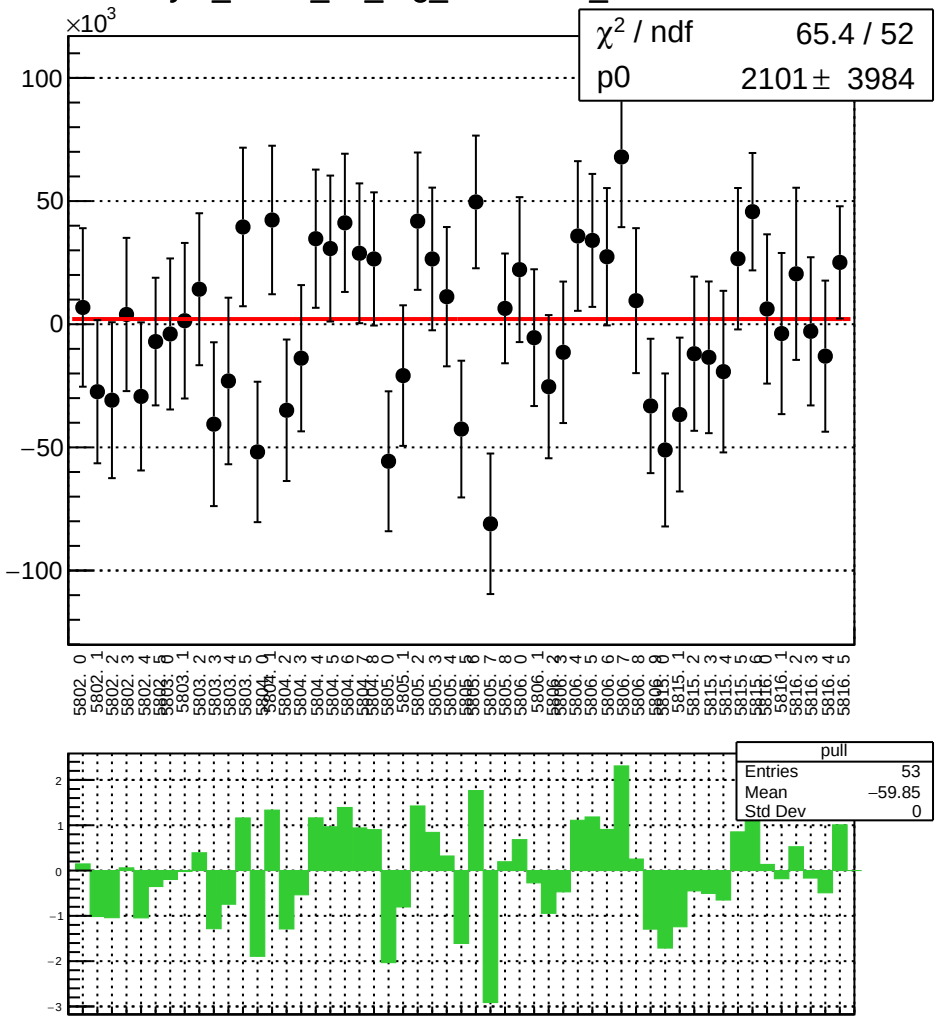

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.94 / 52
p0 −9.419e−14 ± 1.587e−13
pull
Entries 53
Mean −30.43
Std Dev 0
pull1D
Entries 53
Mean 0.06125
Std Dev 0.9976

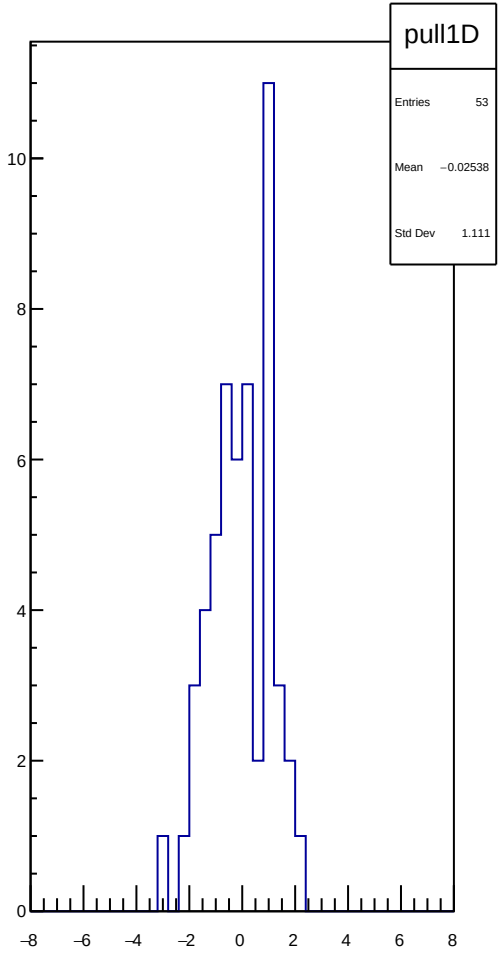

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.002e+05 / 52
p0 9.4e−11 ± 1.122e−13
0.5
0.4
0.3
0.2
0.1

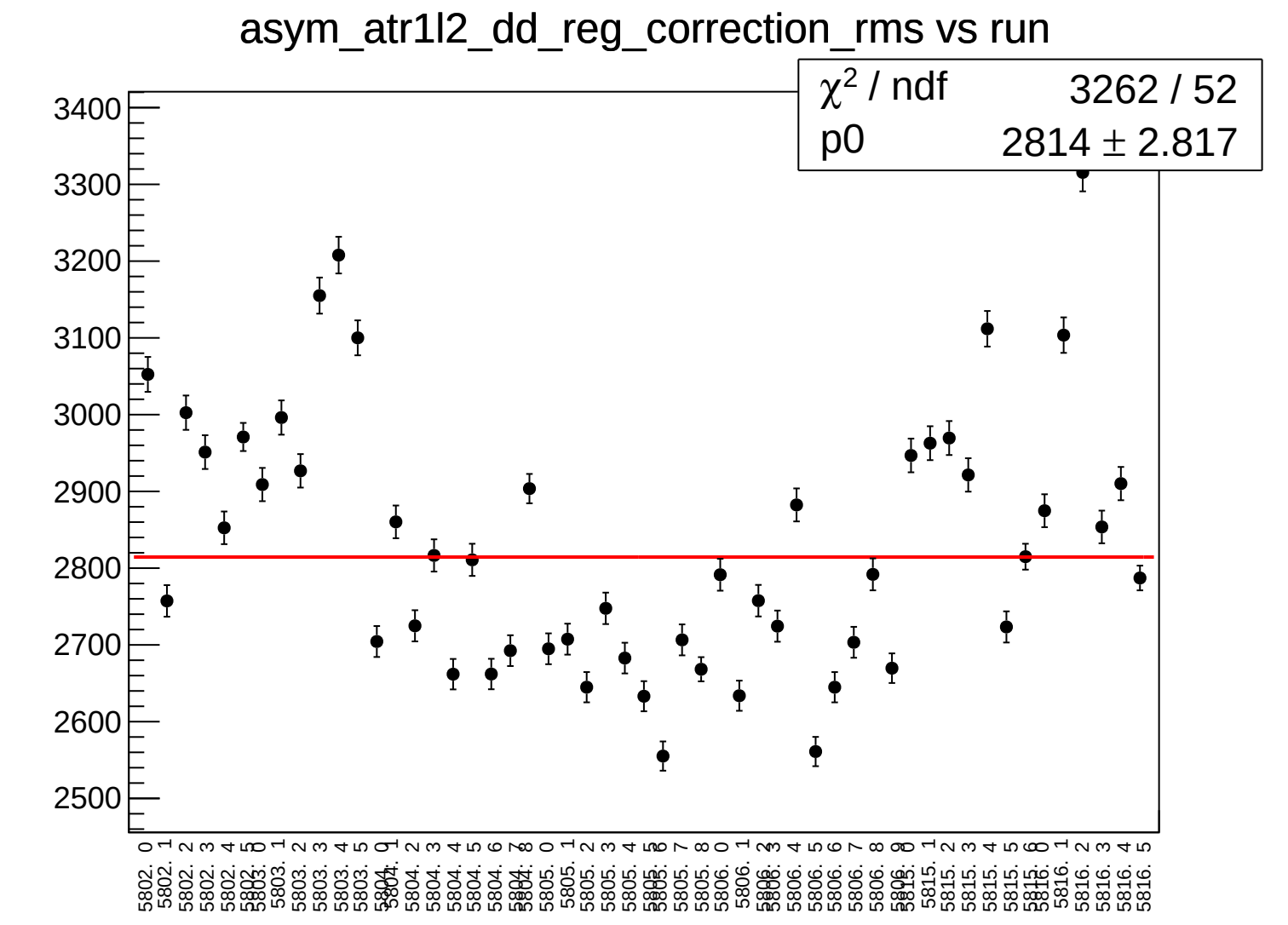

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 51.08 / 52
p0 −1482 ± 2326
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 8.11
Std Dev 0
2
1
0
−1
−2

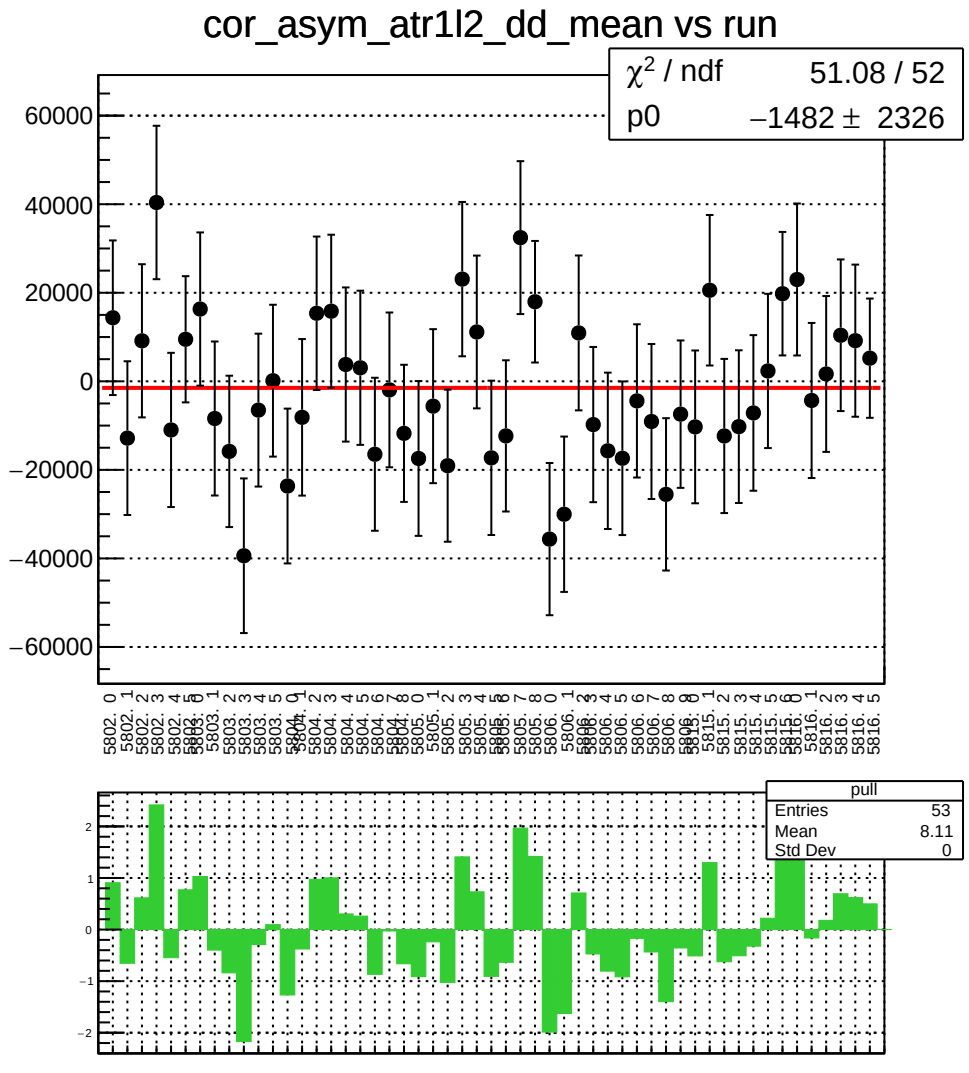

pull1D
Entries 53
Mean −0.0197
Std Dev 0.9815
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

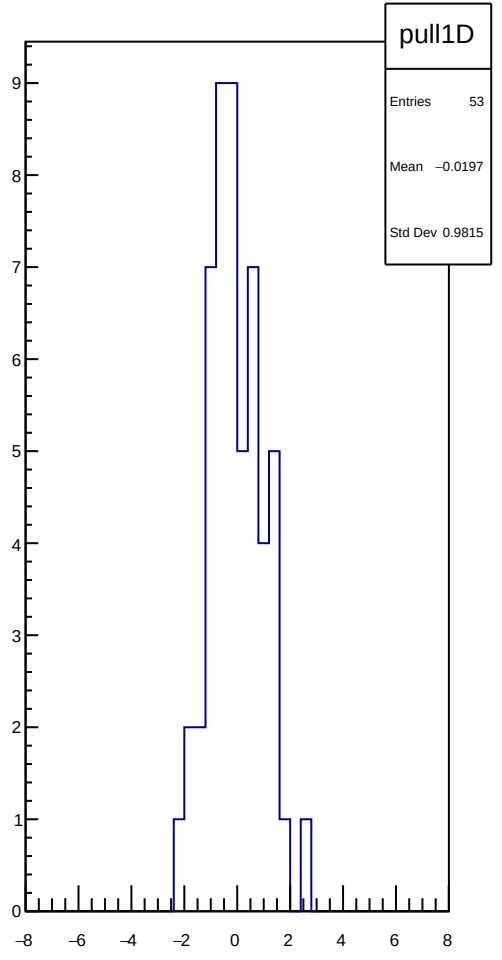

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 71.2 / 52
p0 1646 ± 1.645
1680
1660
1640
1620
1600

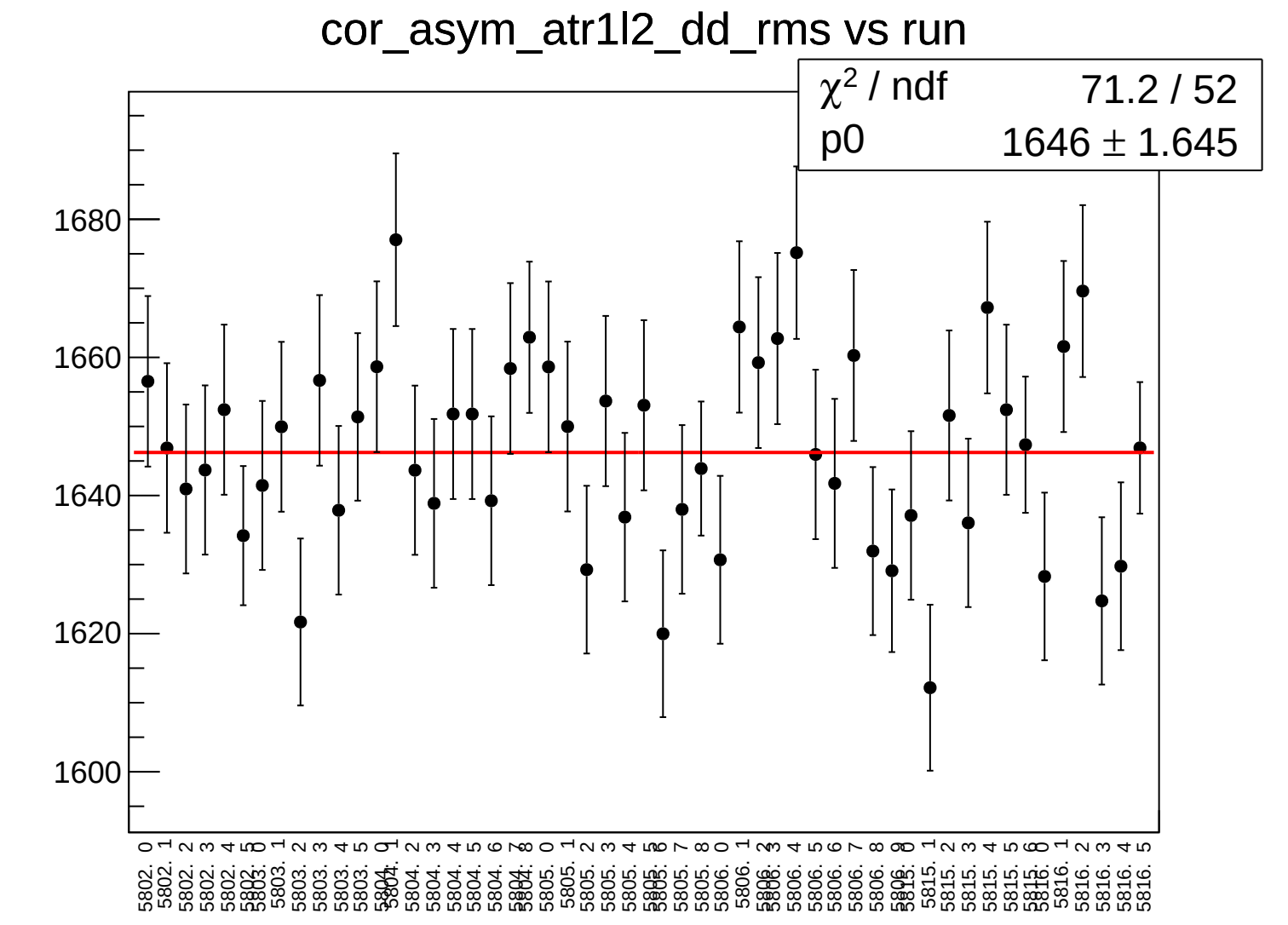

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.4 / 52
p0 2101 ± 3984
100
50
0
−50
−100
pull
Entries 53
Mean −59.85
Std Dev 0
2
1
0
−1
−2
−3

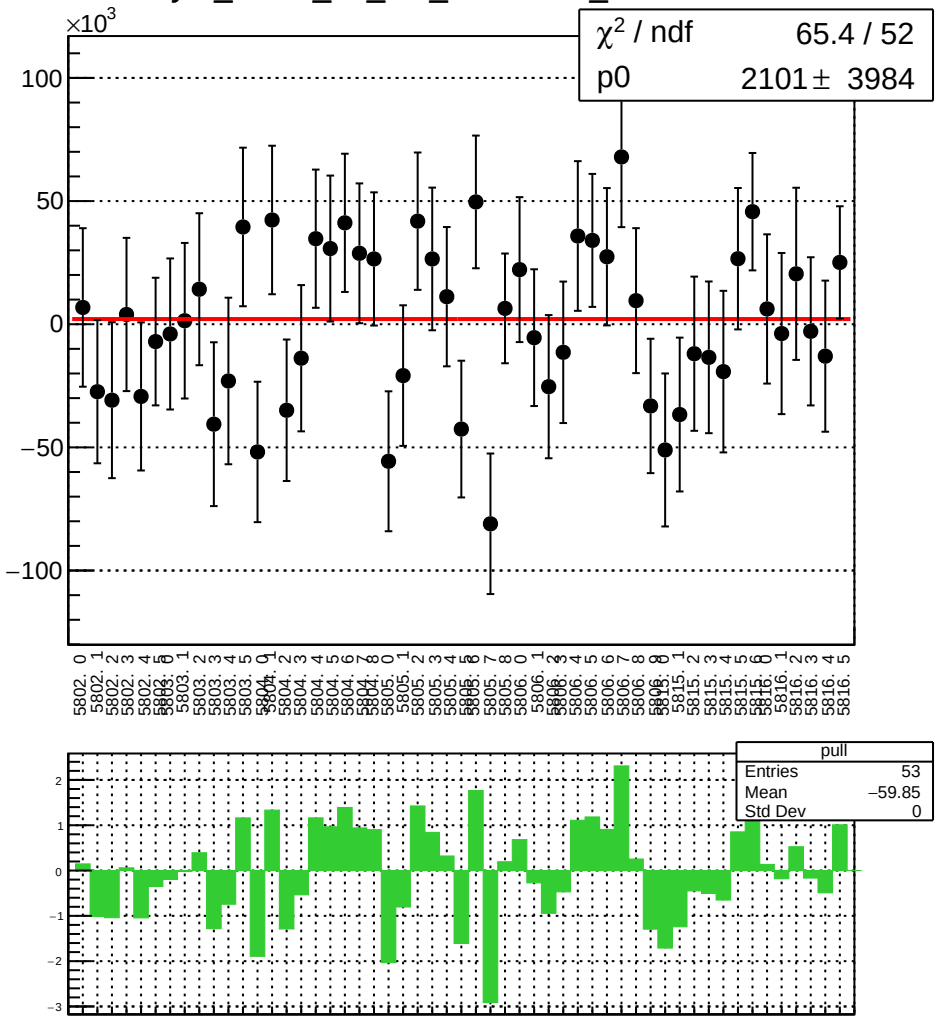

pull1D
Entries 53
Mean −0.02538
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

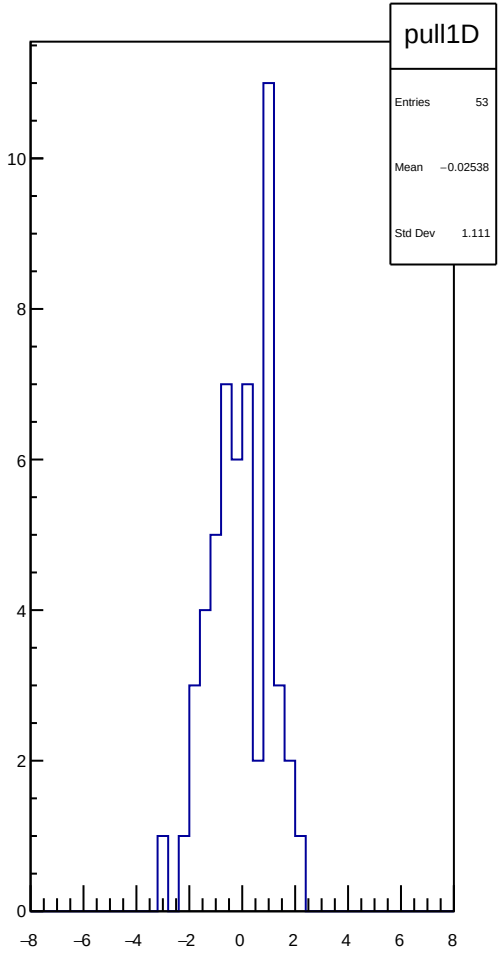

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 3262 / 52
p0 2814 ± 2.817
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500


cor_asym_atr1l2_dd_mean vs run
χ² / ndf 51.08 / 52
p0 −1482 ± 2326
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 8.11
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0197
Std Dev 0.9815
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1l2_dd_rms vs run
χ² / ndf 71.2 / 52
p0 1646 ± 1.645
1680
1660
1640
1620
1600


asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.4 / 52
p0 2101 ± 3984
100
50
0
−50
−100
pull
Entries 53
Mean −59.85
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.02538
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
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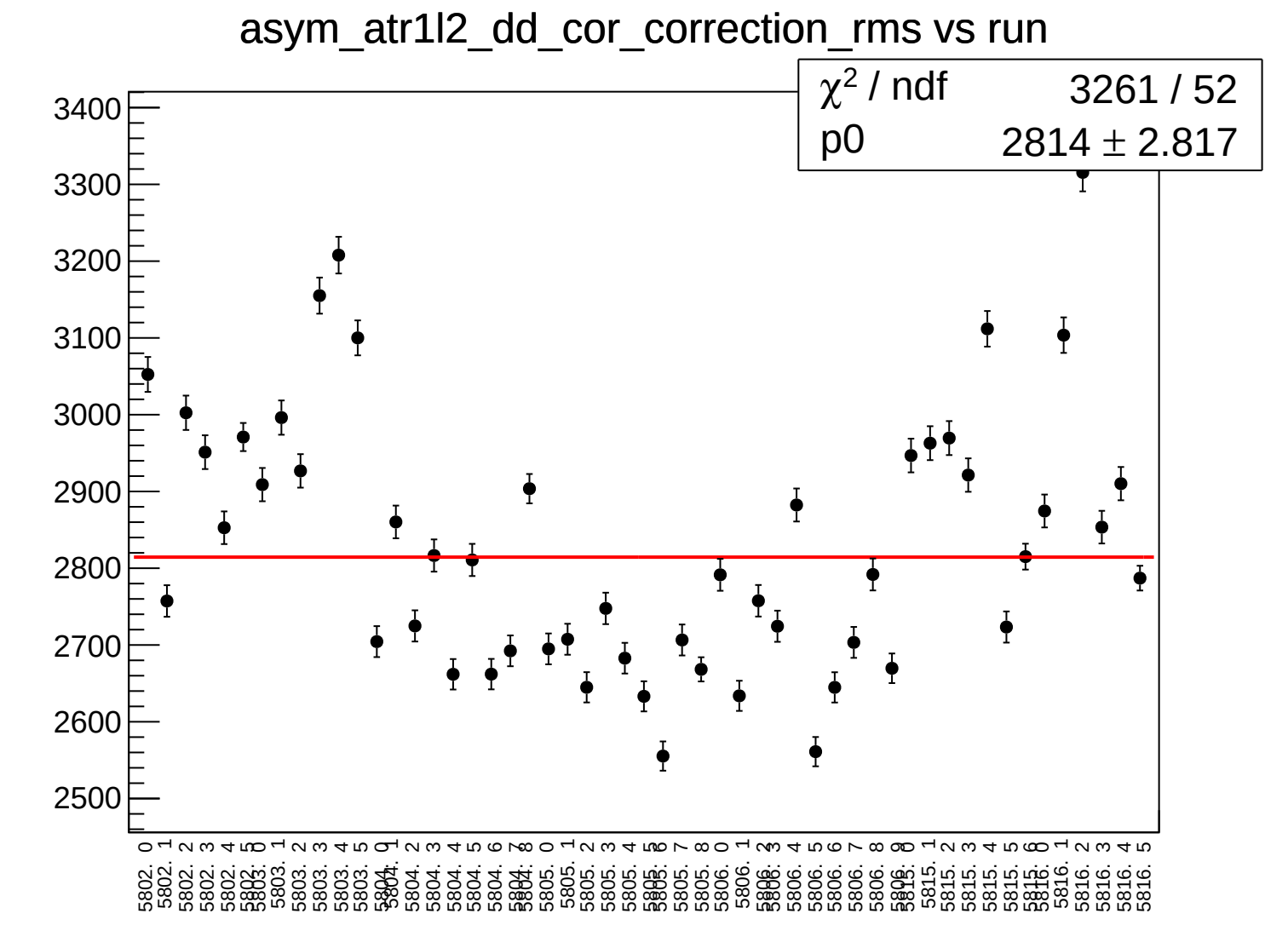
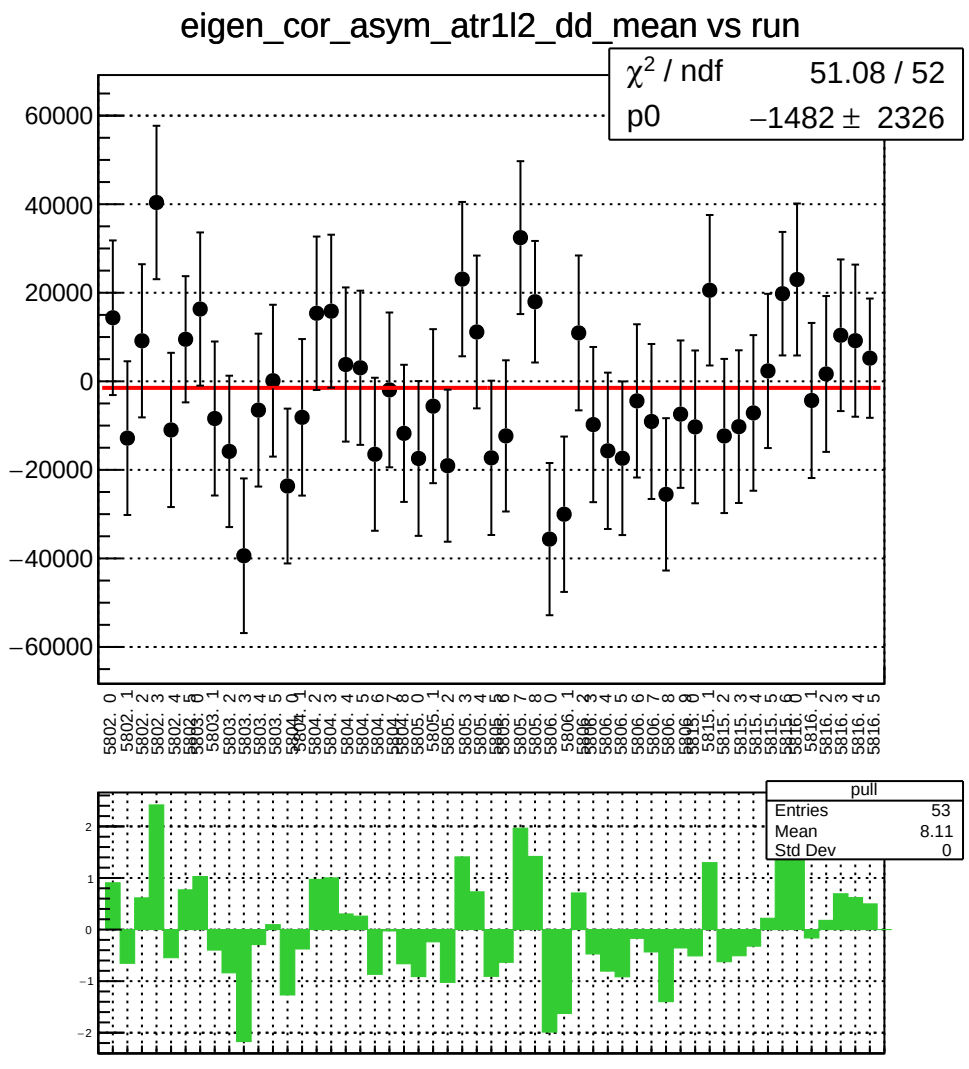
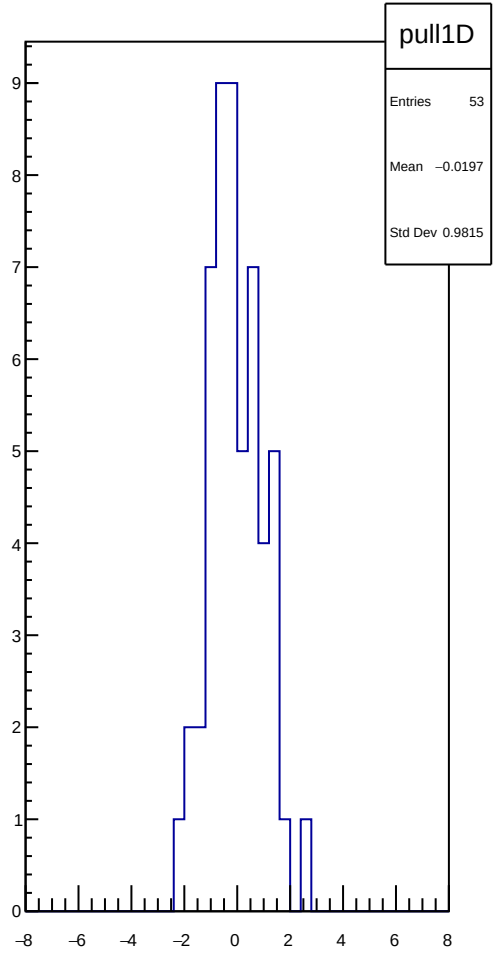
2
4
6
8


asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 3261 / 52
p0 2814 ± 2.817
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500


eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 51.08 / 52
p0 −1482 ± 2326
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 8.11
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0197
Std Dev 0.9815
9
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1
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−4
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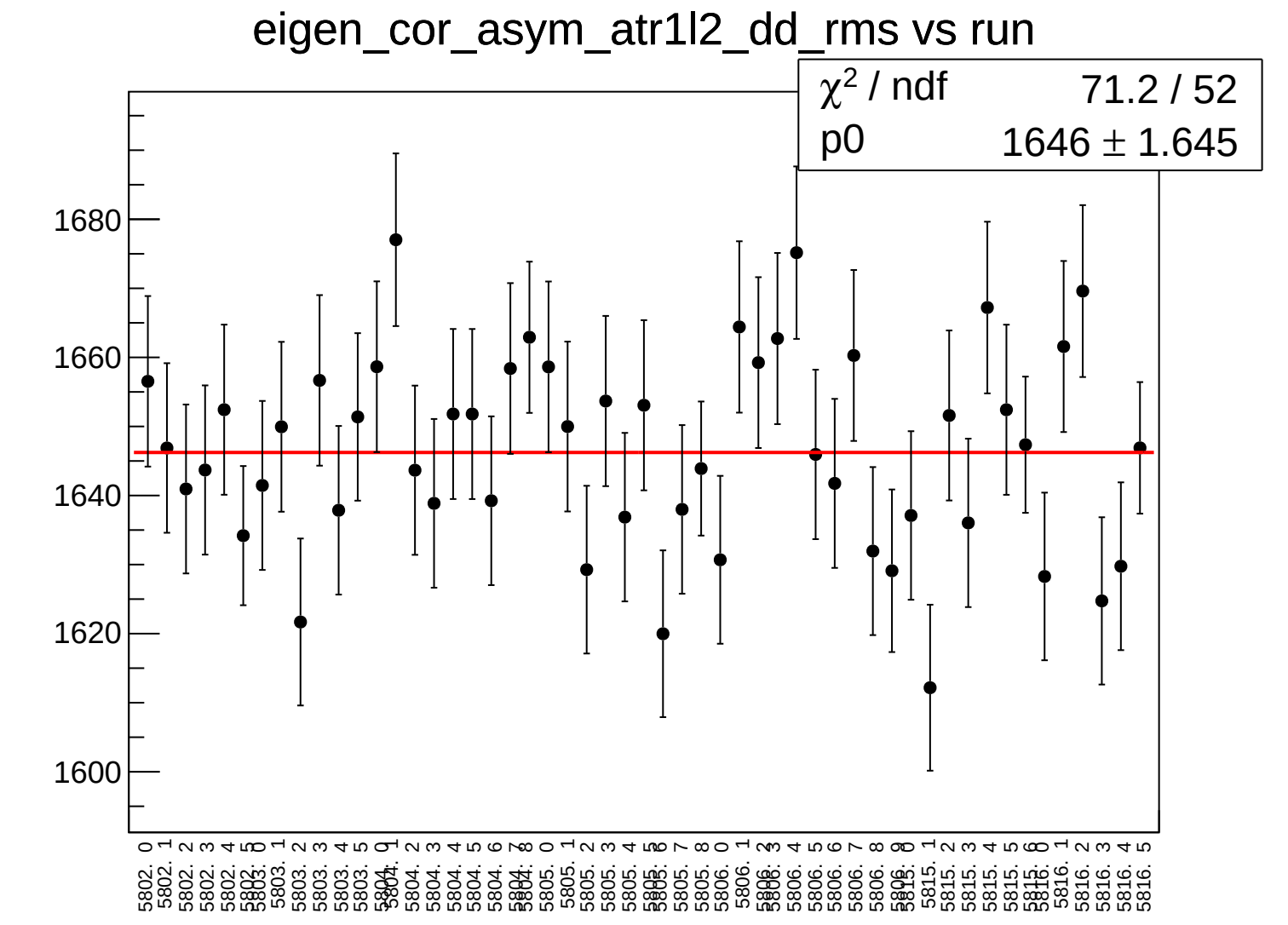
2
4
6
8


eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 71.2 / 52
p0 1646 ± 1.645
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
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5805. 8
5806. 0
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5806. 4
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5806. 6
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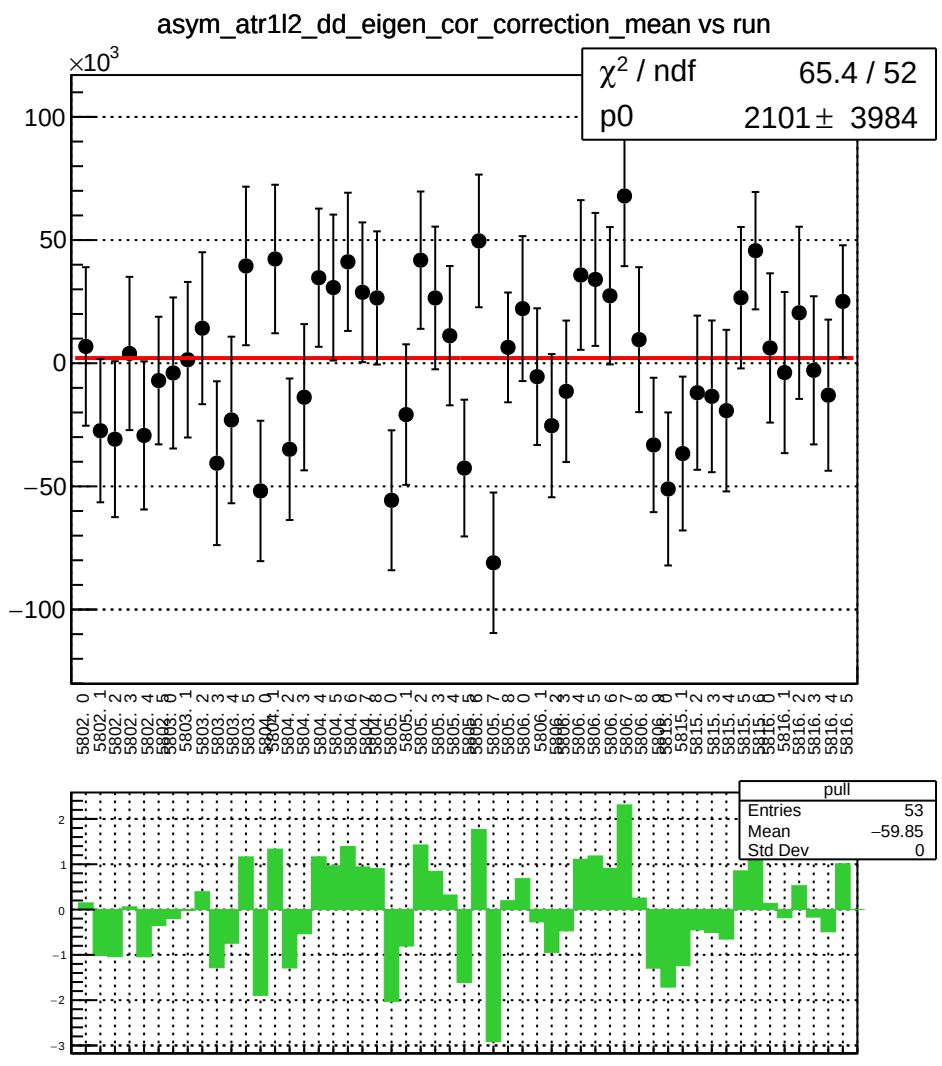
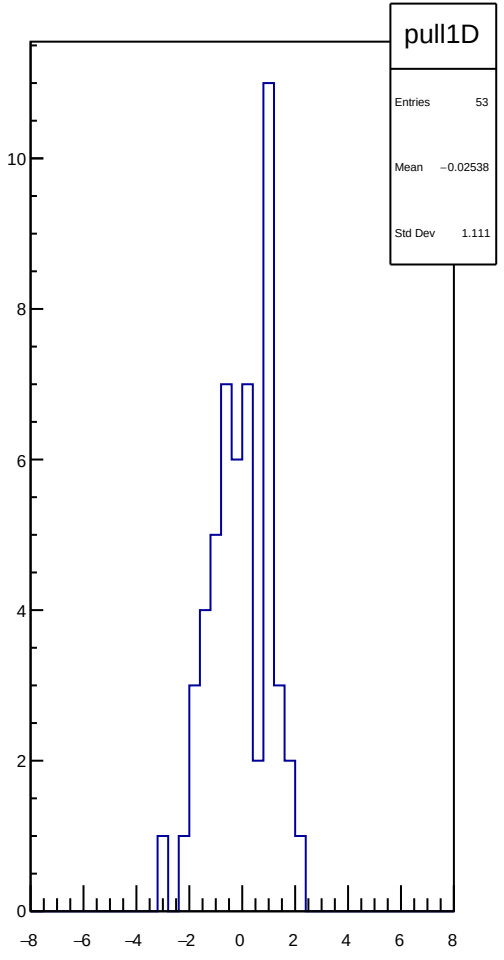
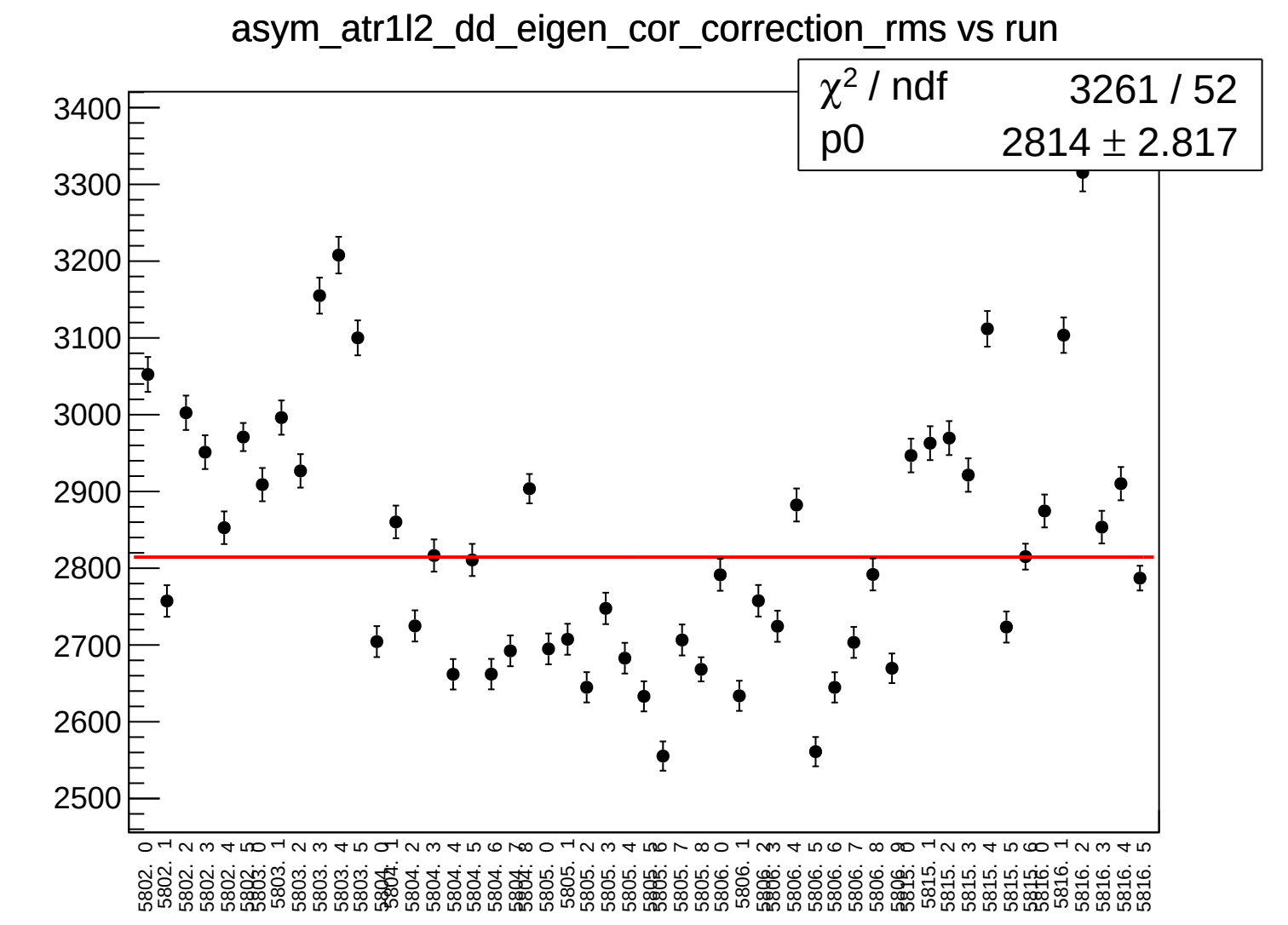
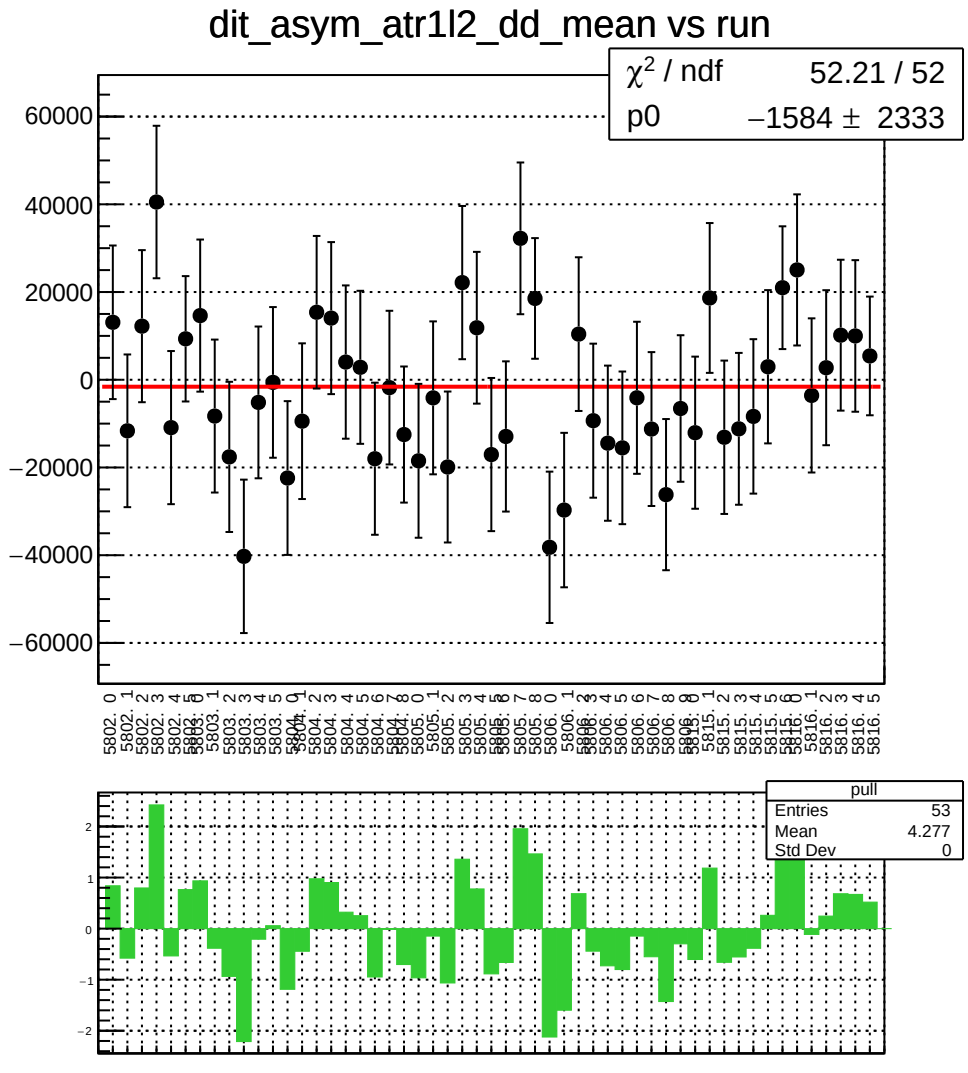
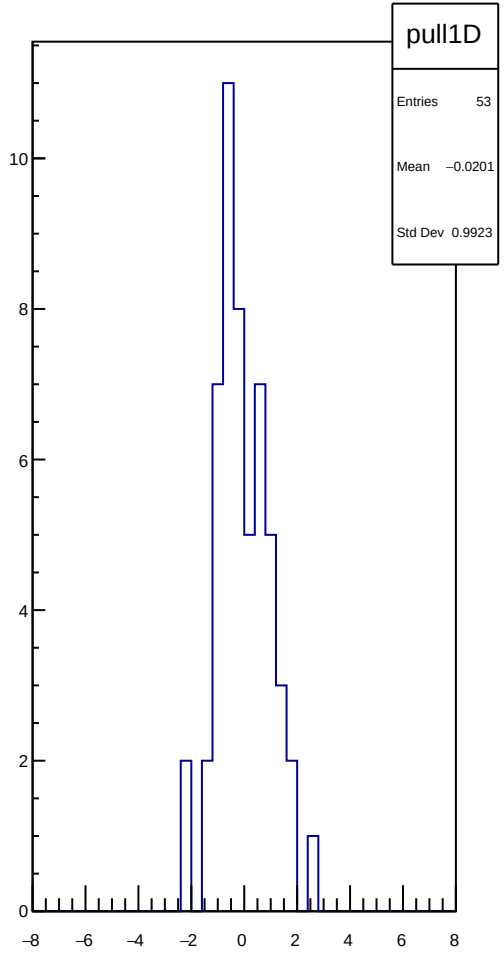
5816. 4
5816. 5


asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.4 / 52
p0 2101 ± 3984
pull
Entries 53
Mean −59.85
Std Dev 0


pull1D
Entries 53
Mean −0.02538
Std Dev 1.111


asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3261 / 52
p0 2814 ± 2.817
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500


dit_asym_atr1l2_dd_mean vs run
χ² / ndf 52.21 / 52
p0 −1584 ± 2333
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 4.277
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0201
Std Dev 0.9923
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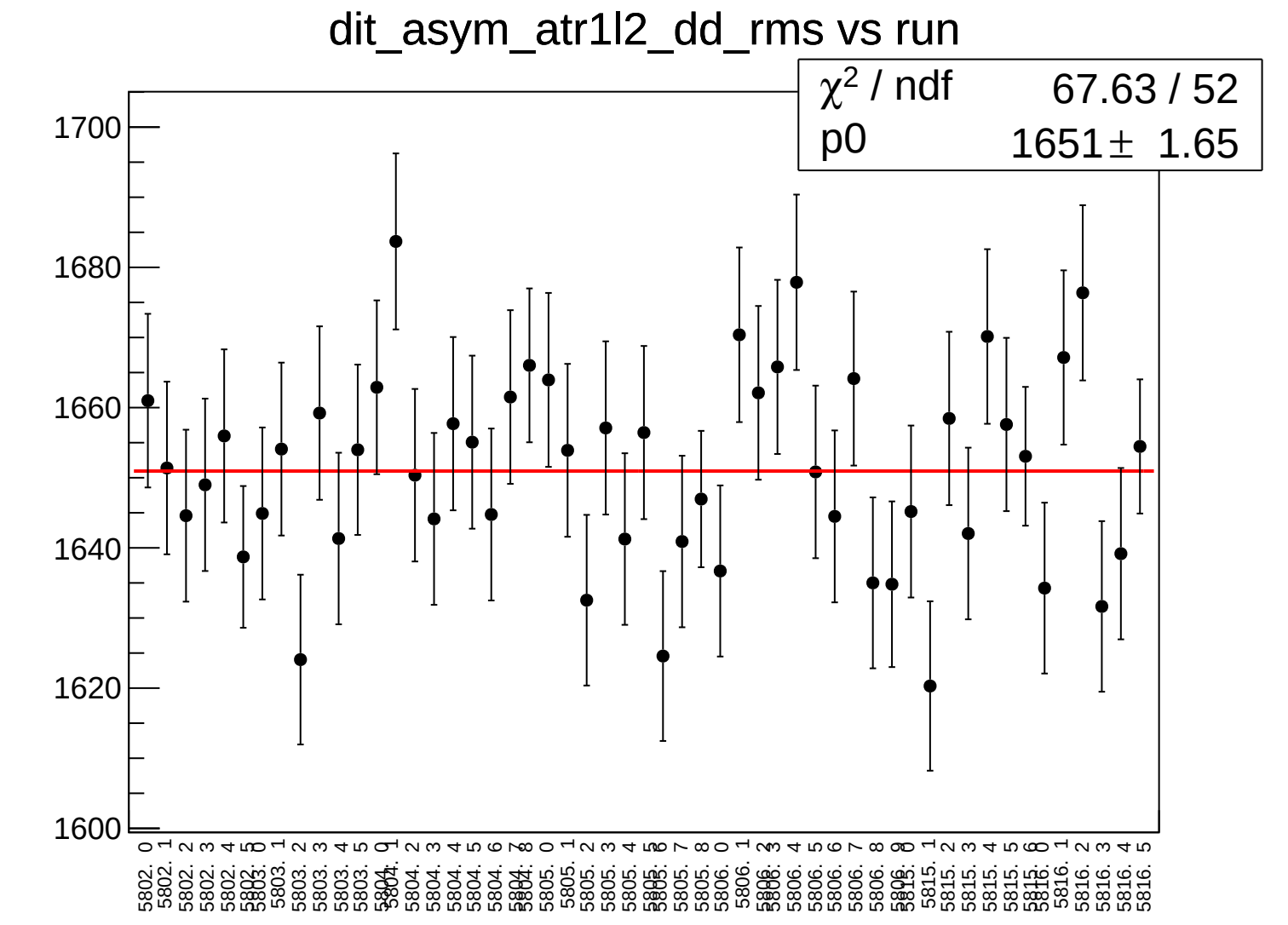
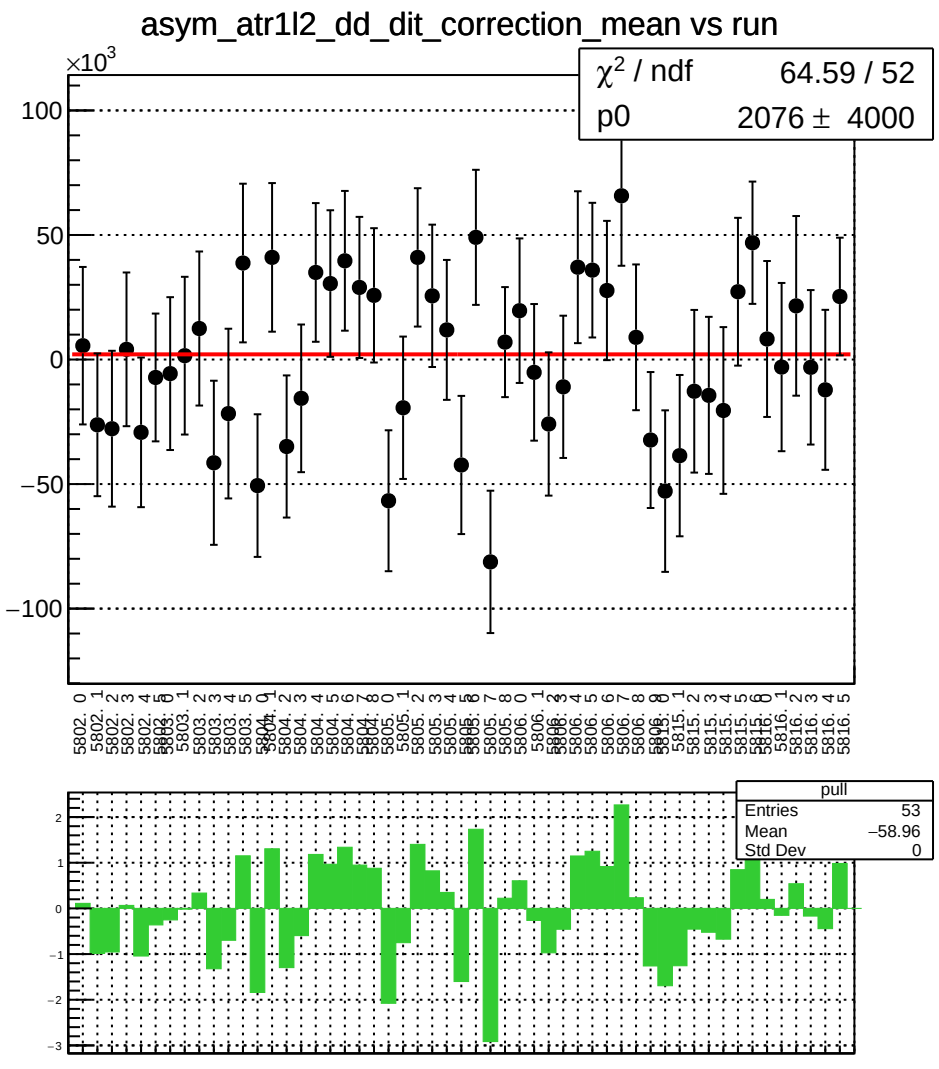
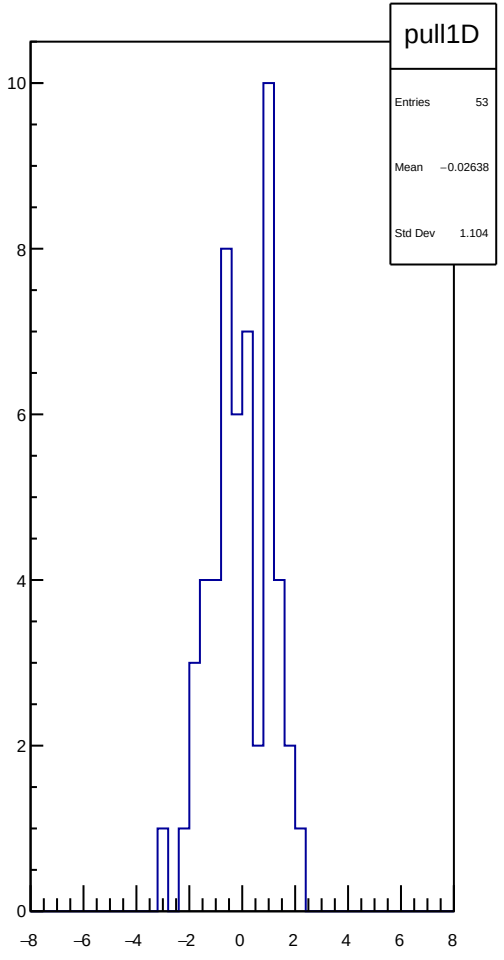
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1l2_dd_rms vs run
χ² / ndf 67.63 / 52
p0 1651 ± 1.65
1700
1680
1660
1640
1620
1600


asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.59 / 52
p0 2076 ± 4000
100
50
0
−50
−100
pull
Entries 53
Mean −58.96
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.02638
Std Dev 1.104
10
8
6
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2
0
−8
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−4
−2
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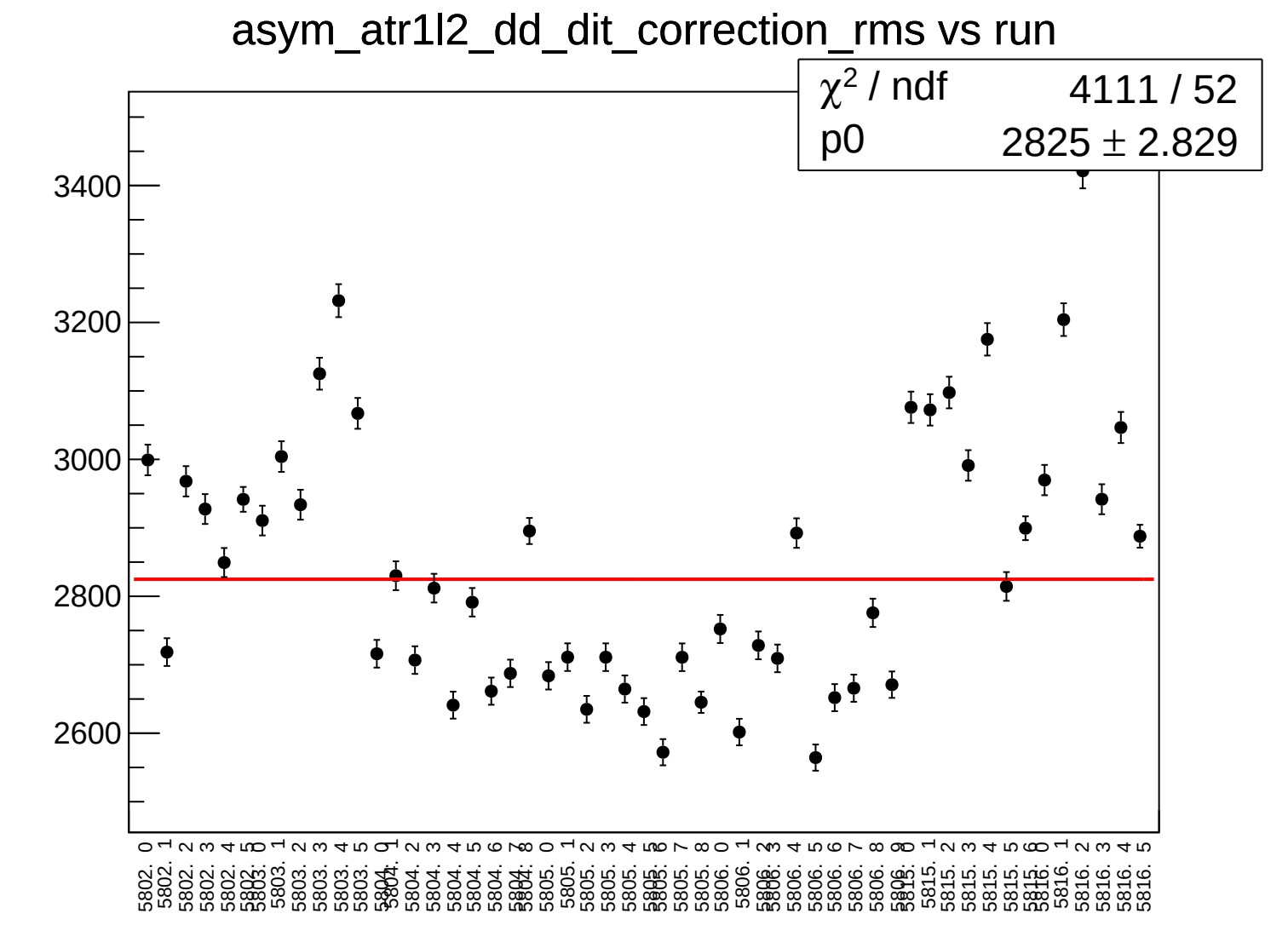
2
4
6
8


asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 4111 / 52
p0 2825 ± 2.829
3400
3200
3000
2800
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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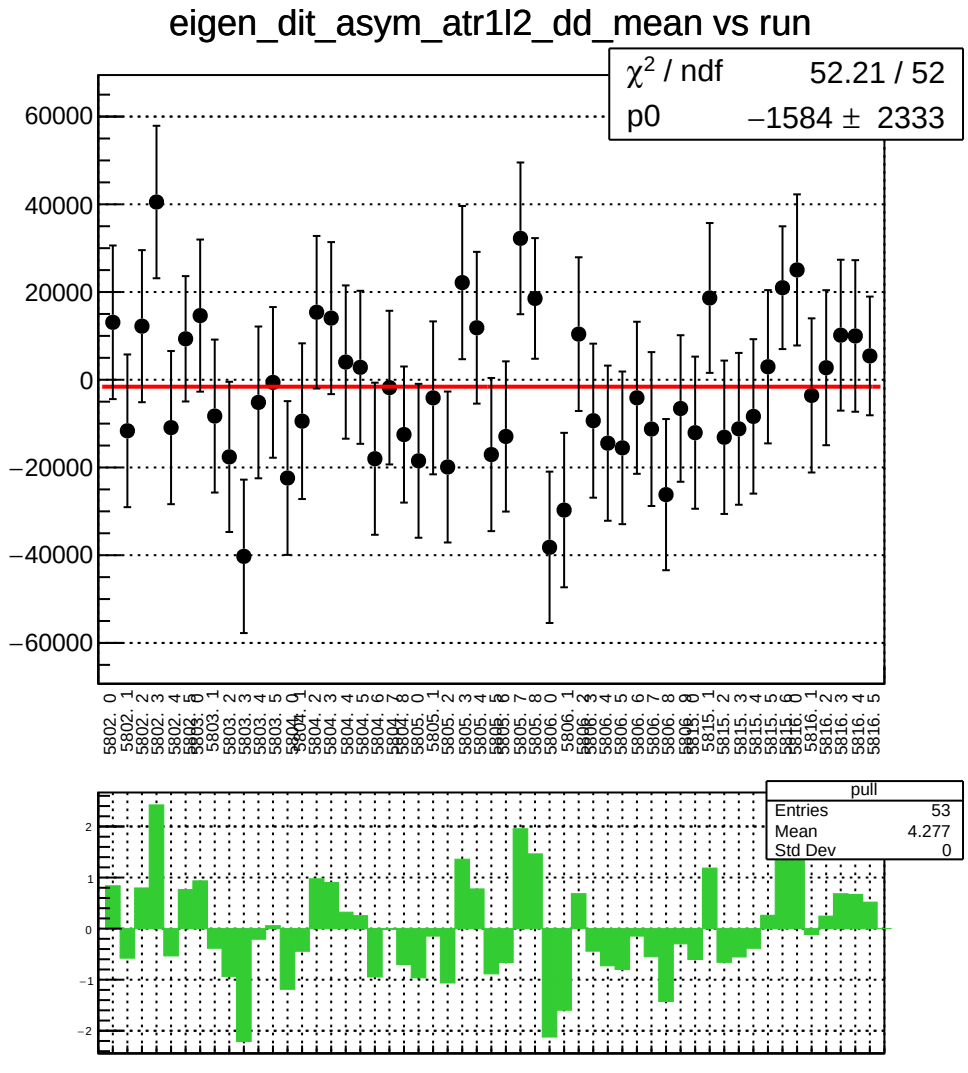
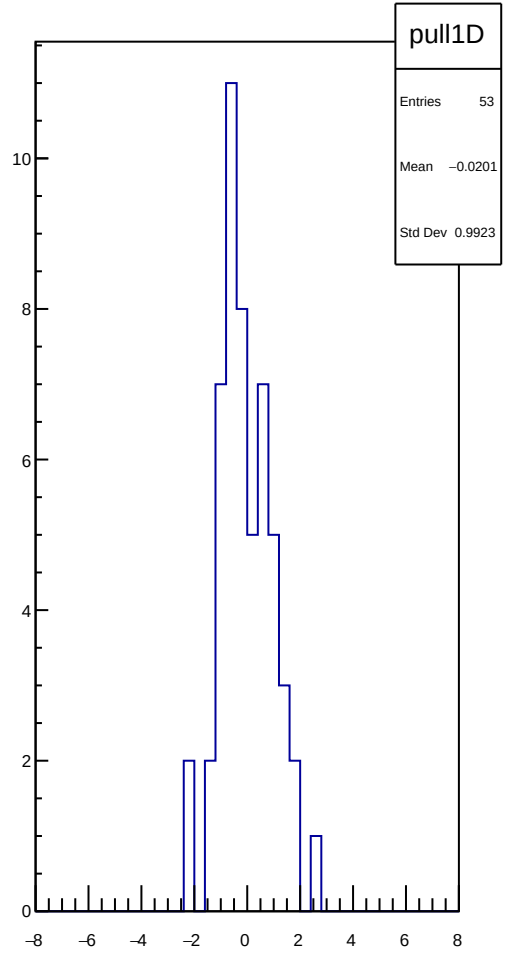
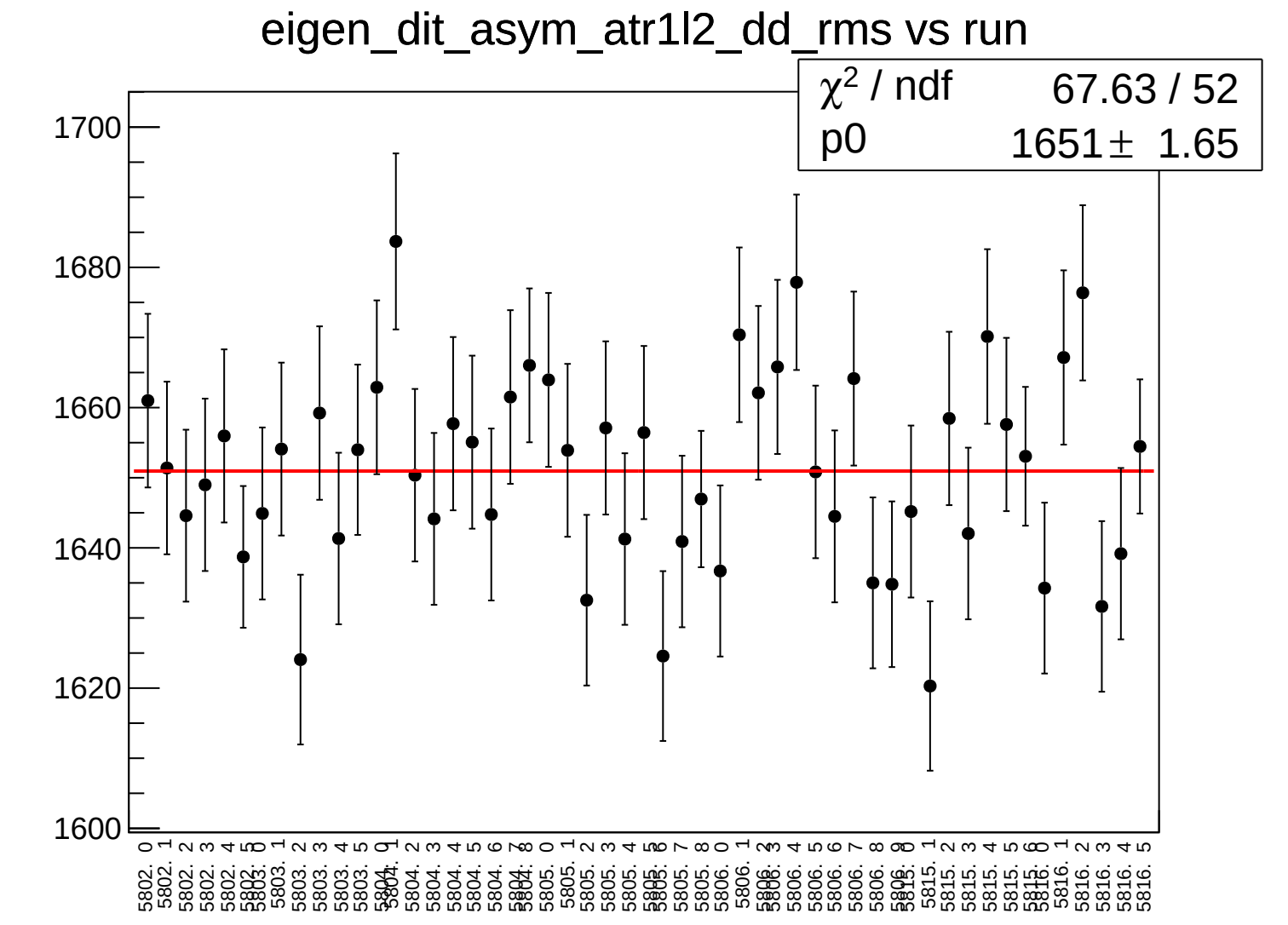
5816. 4
5816. 5


eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 52.21 / 52
p0 −1584 ± 2333
pull
Entries 53
Mean 4.277
Std Dev 0


pull1D
Entries 53
Mean −0.0201
Std Dev 0.9923


eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 67.63 / 52
p0 1651 ± 1.65
1700
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
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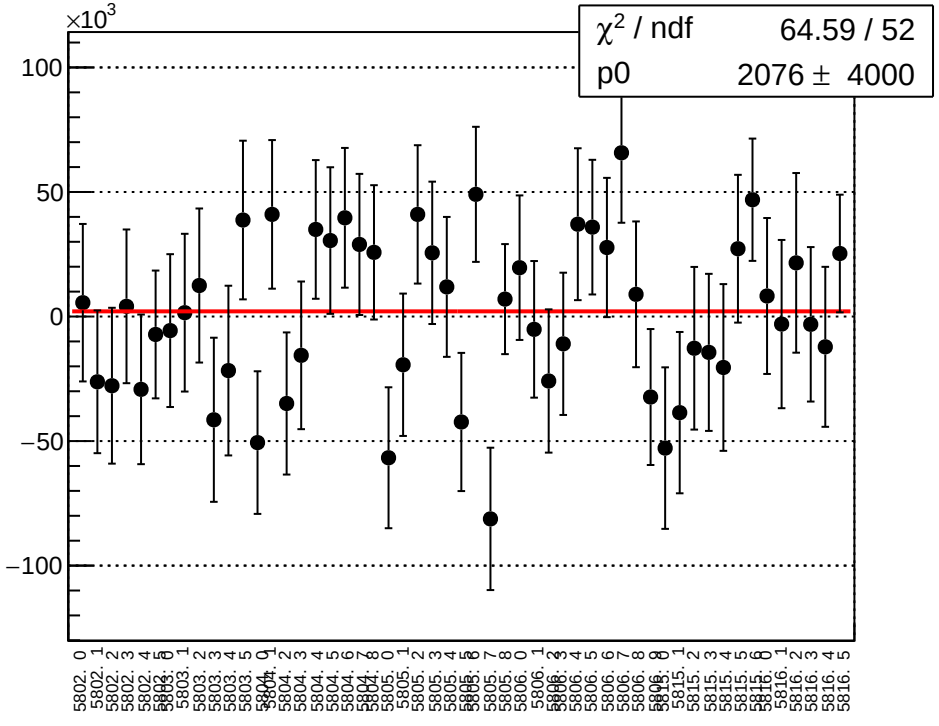
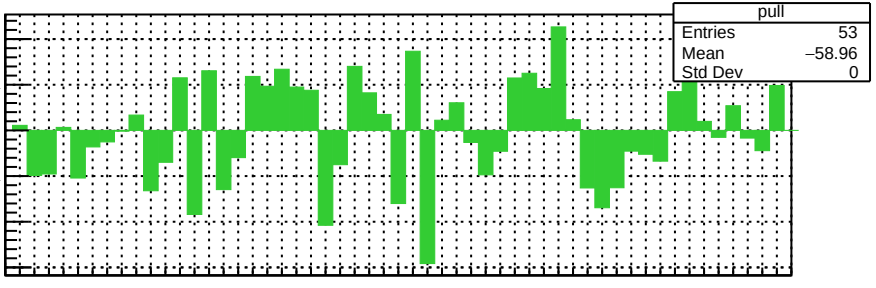
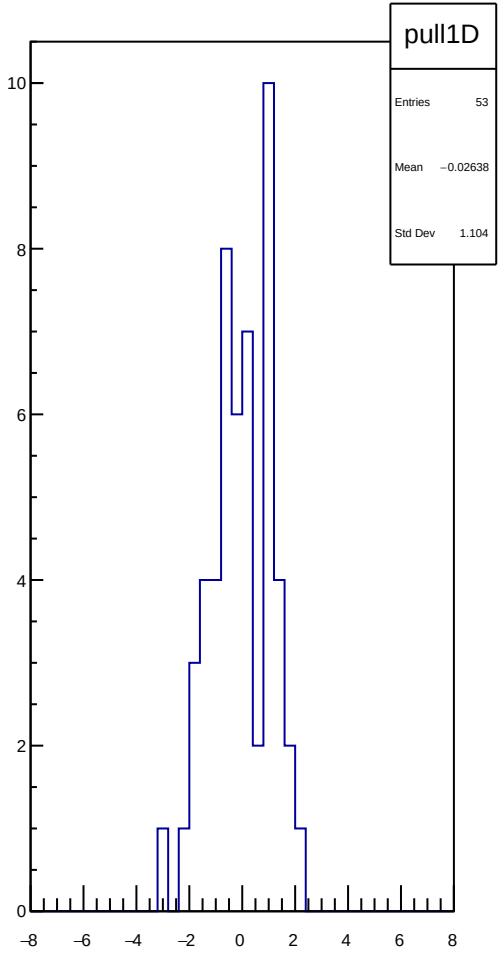
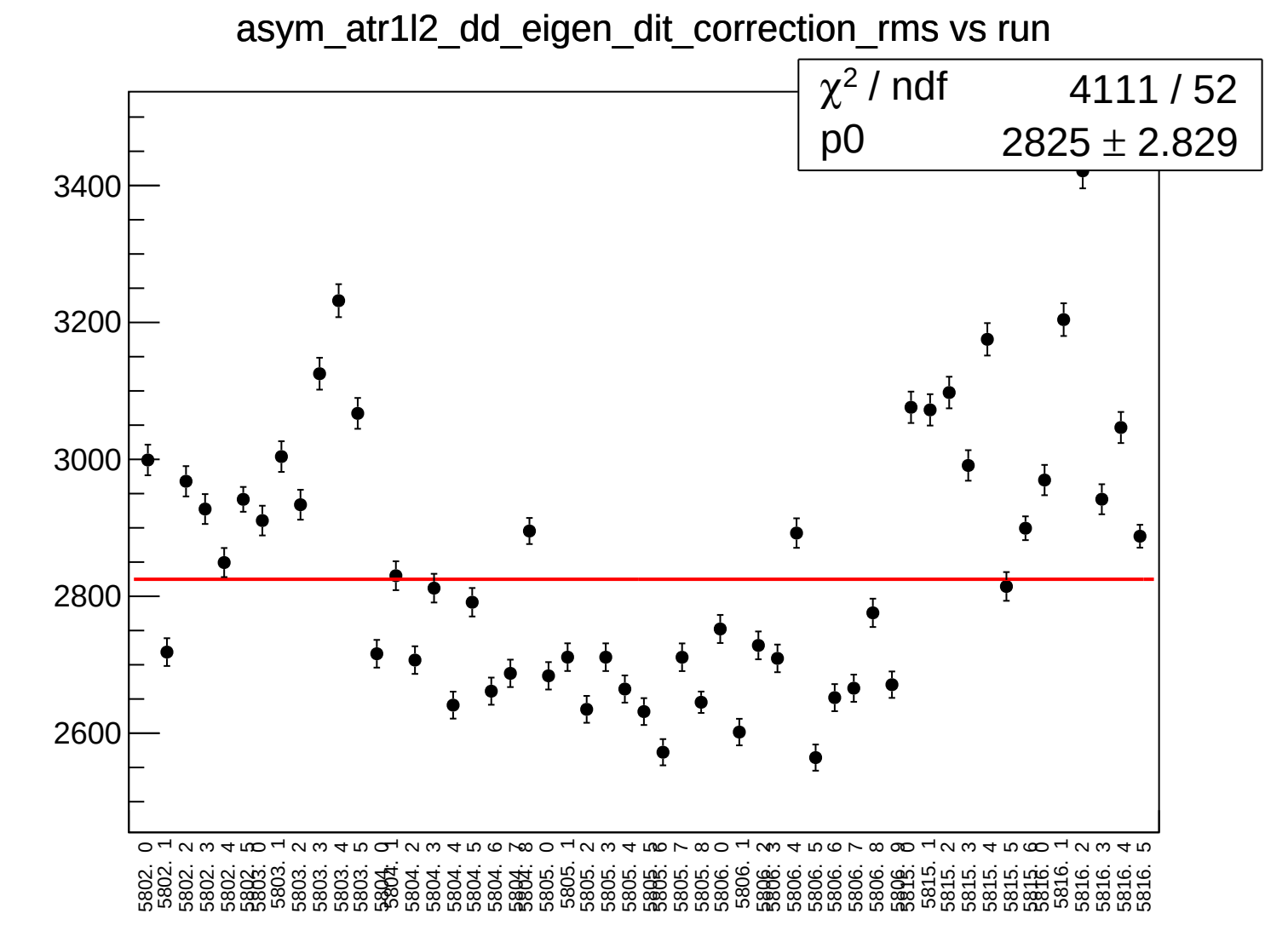
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

asym_atr1l2_dd_eigen_dit_correction_mean vs run








asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4111 / 52
p0 2825 ± 2.829
3400
3200
3000
2800
2600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
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5815. 0
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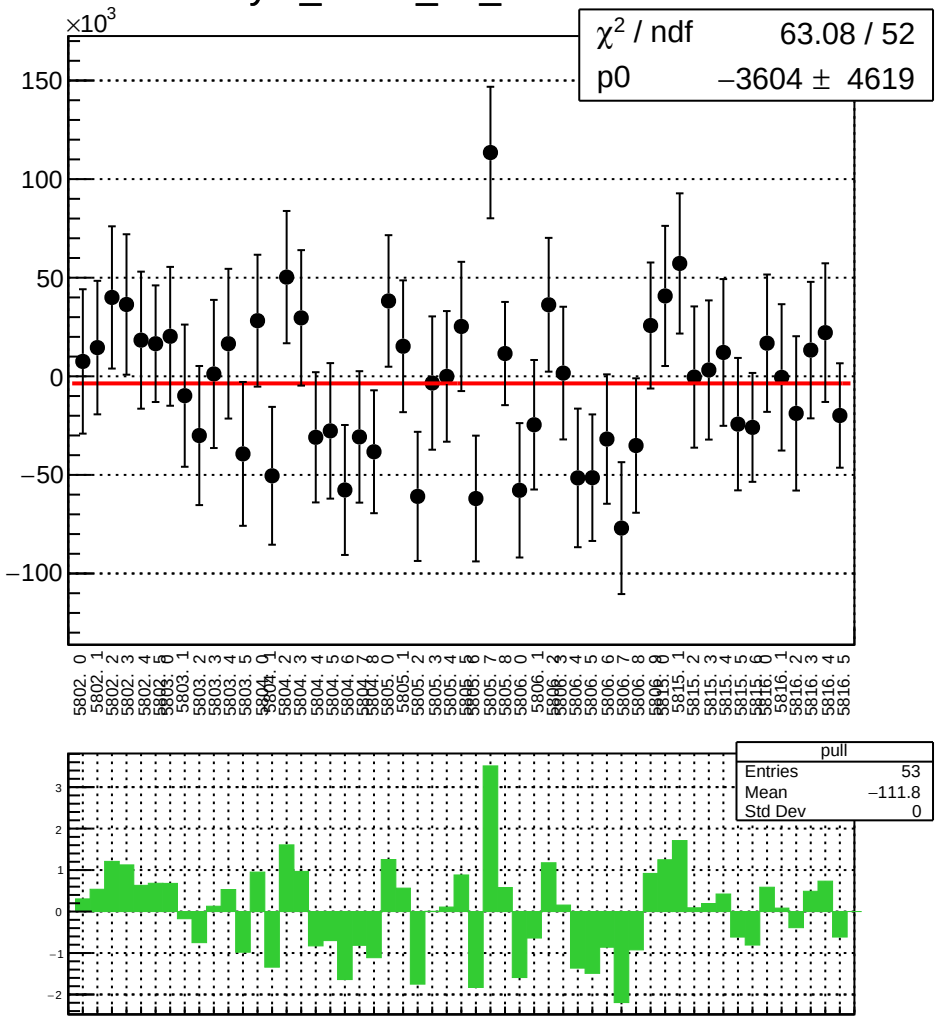
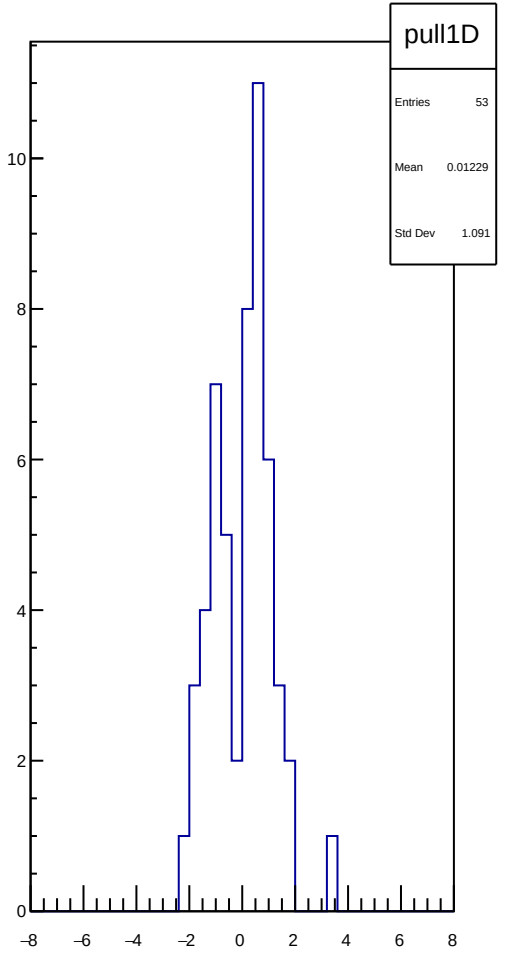
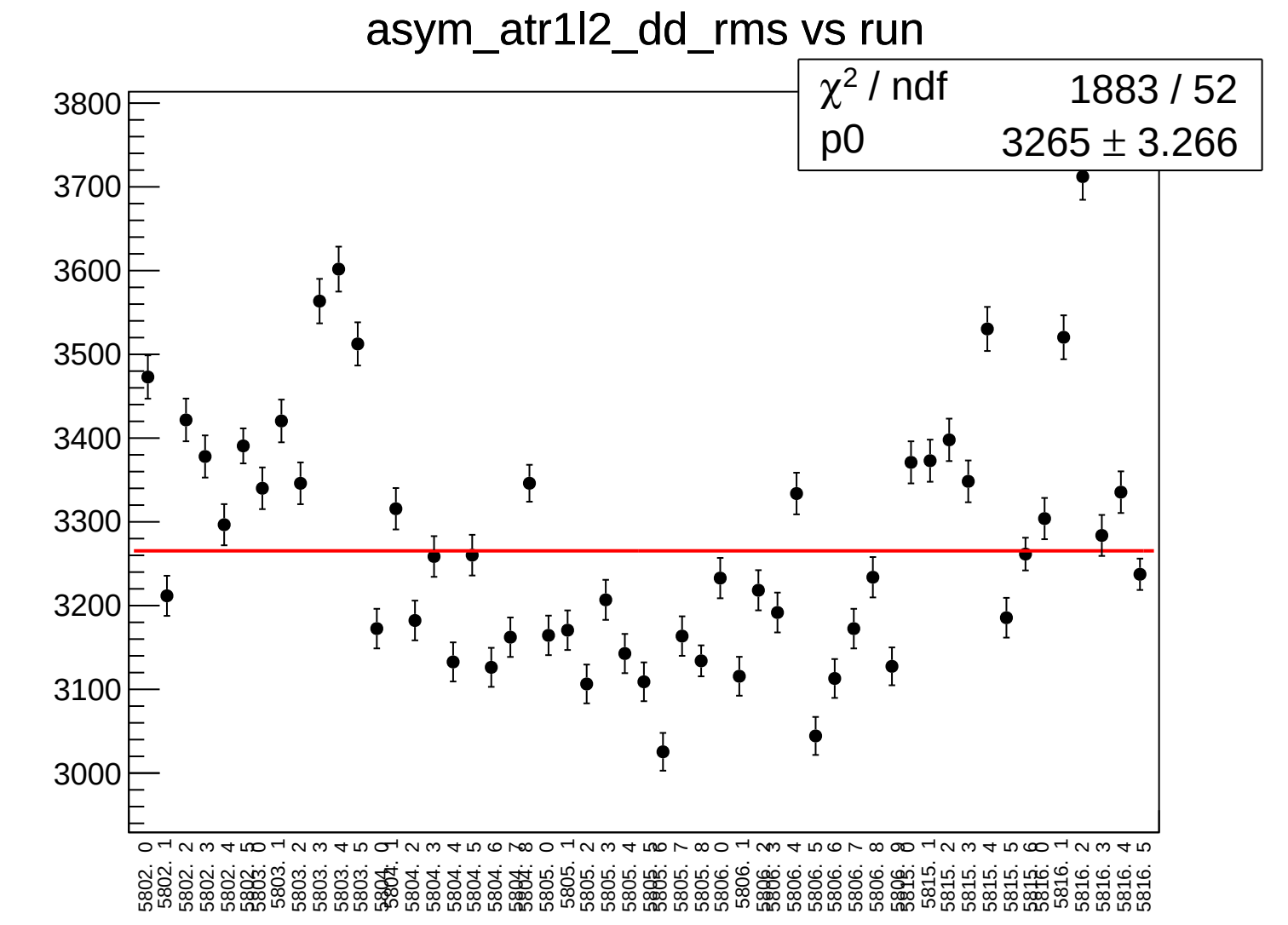
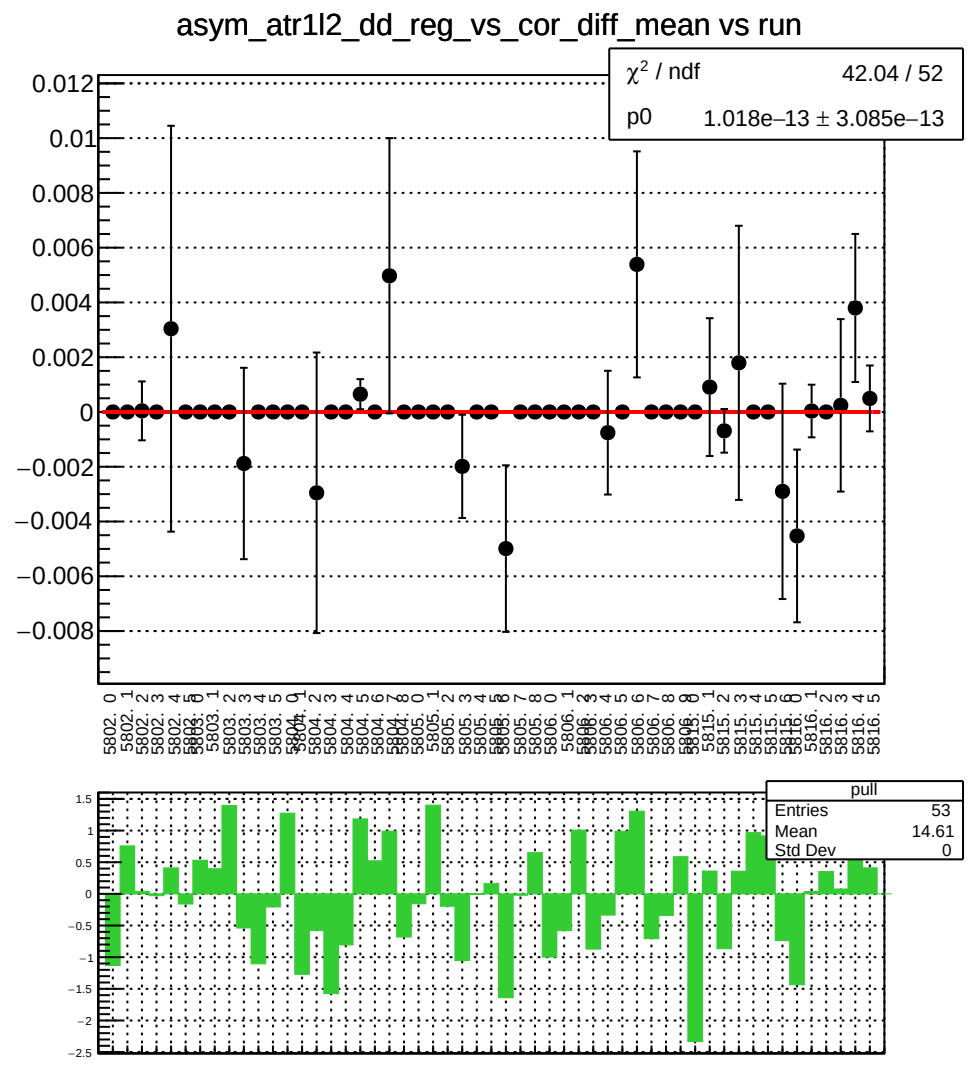
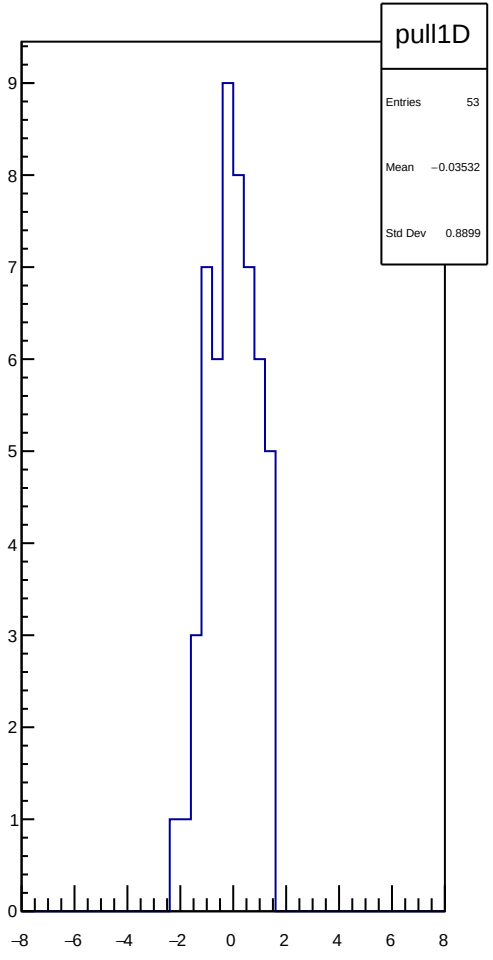
5816. 2
5816. 3
5816. 4
5816. 5

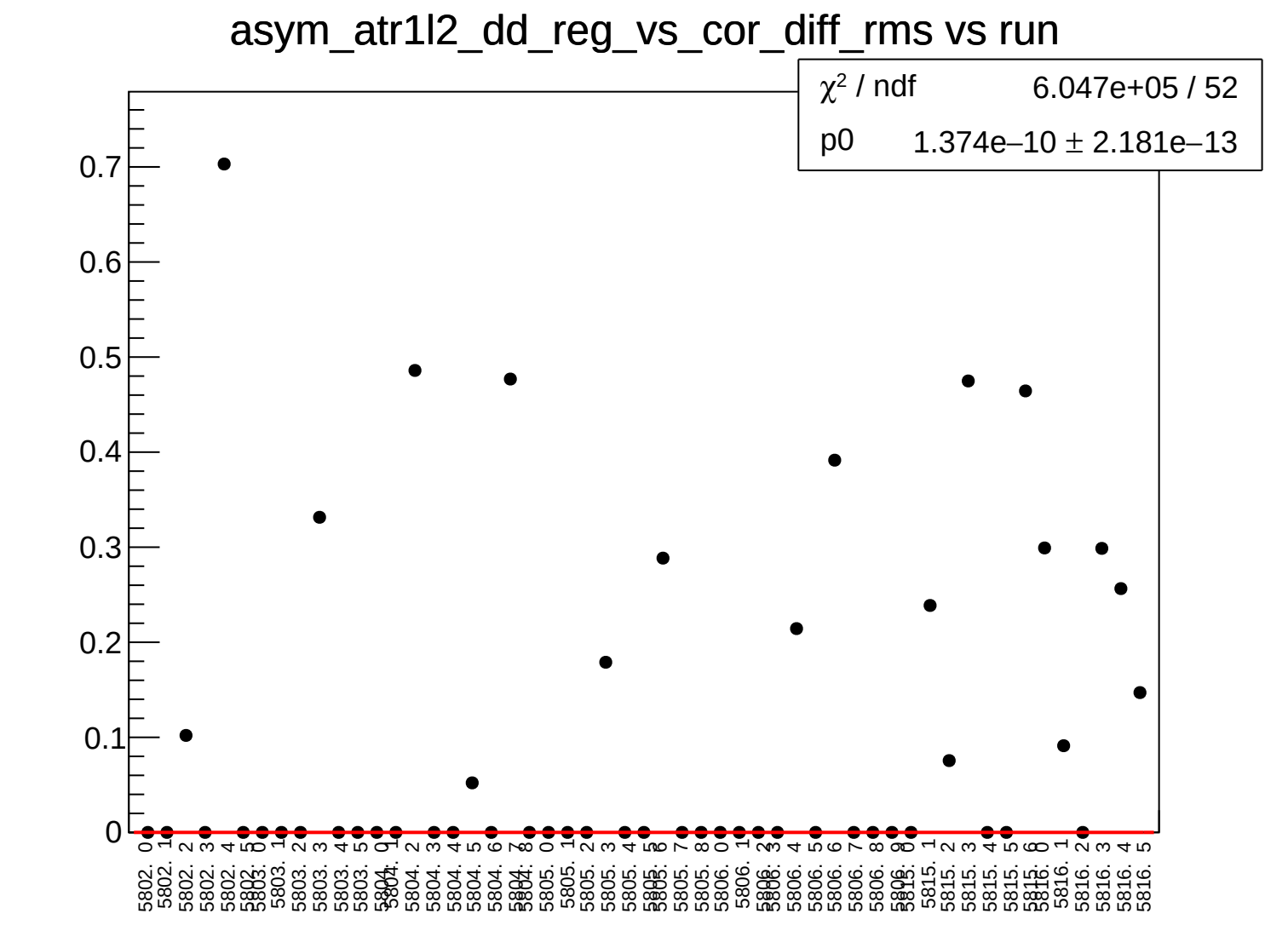

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 63.08 / 52
p0 −3604 ± 4619
150
100
50
0
−50
−100
pull
Entries 53
Mean −111.8
Std Dev 0
3
2
1
0
−1
−2

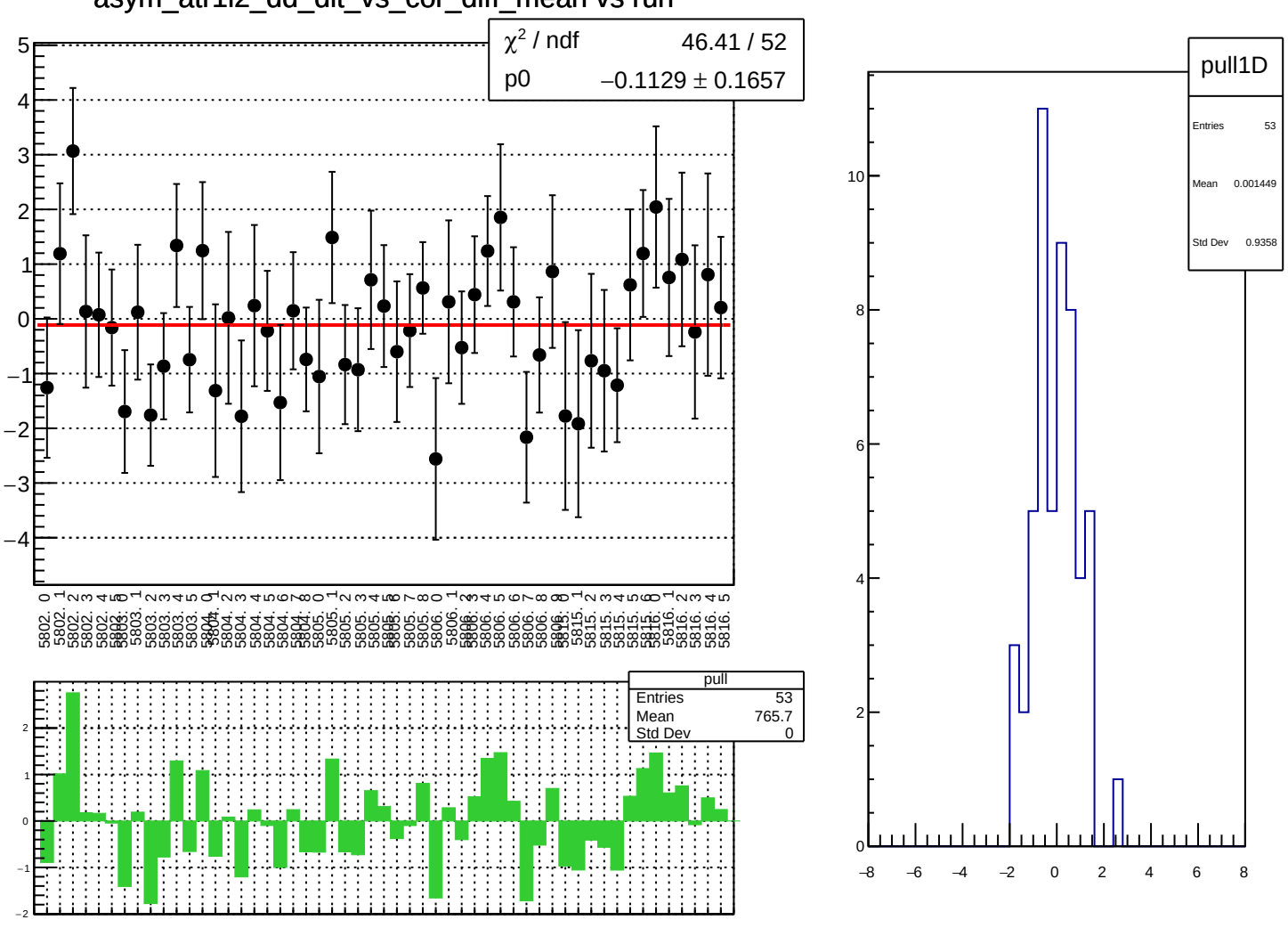

pull1D
Entries 53
Mean 0.01229
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

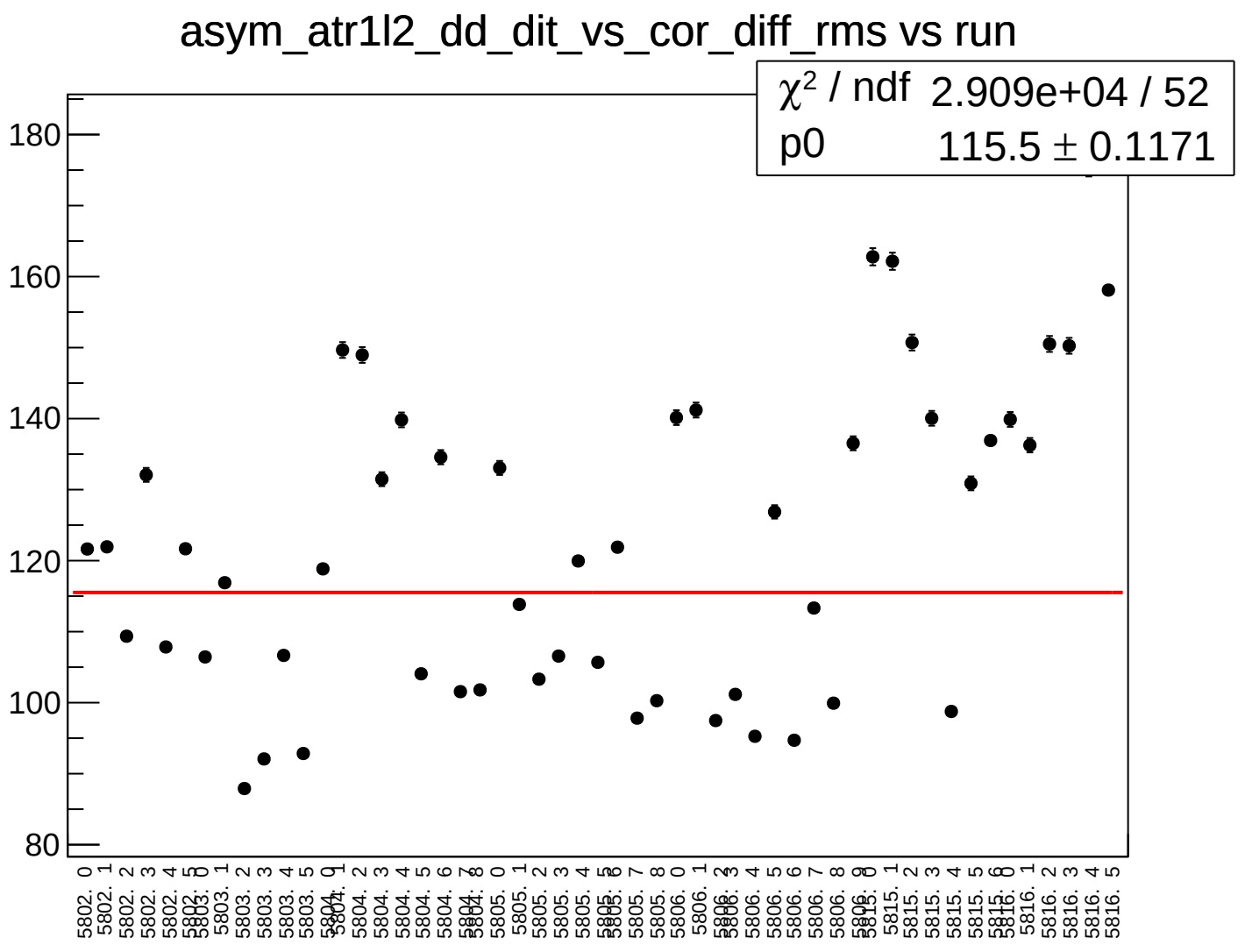

asym_atr1l2_dd_rms vs run
χ² / ndf 1883 / 52
p0 3265 ± 3.266
3800
3700
3600
3500
3400
3300
3200
3100
3000


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.04 / 52
p0 1.018e−13 ± 3.085e−13
pull
Entries 53
Mean 14.61
Std Dev 0

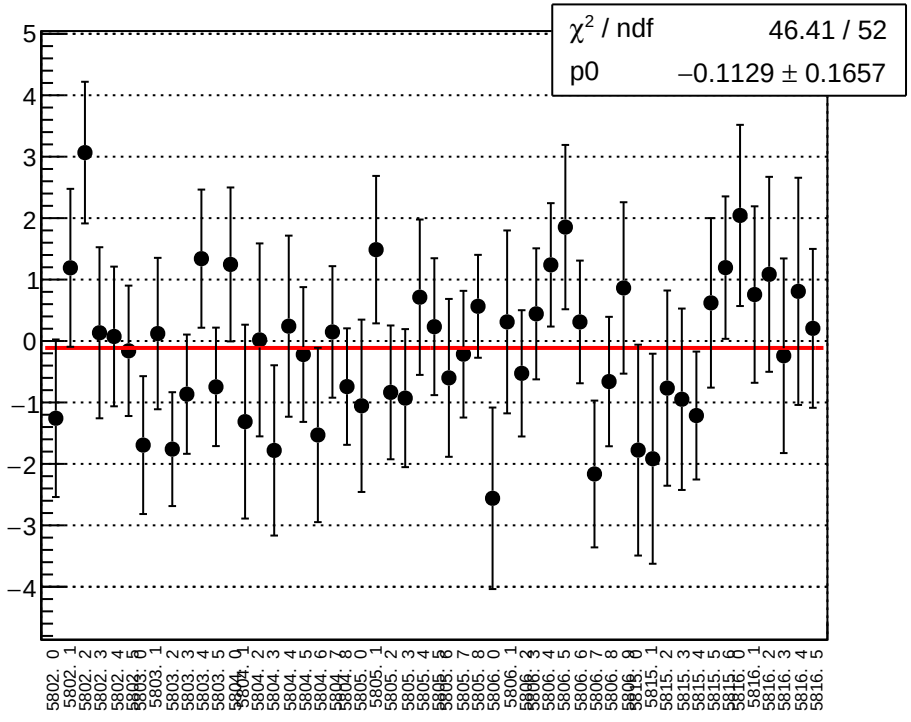

pull1D
Entries 53
Mean −0.03532
Std Dev 0.8899

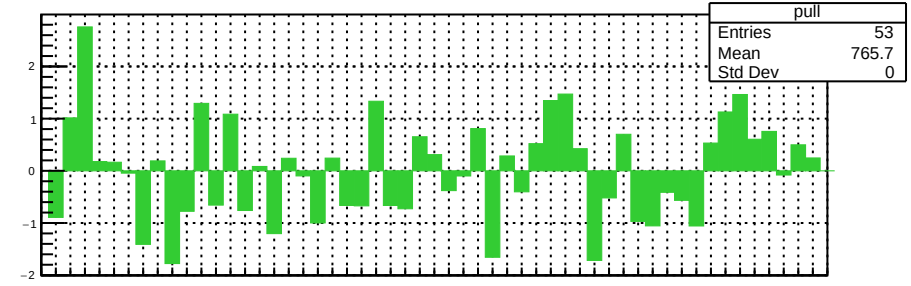

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.047e+05 / 52
p0 1.374e−10 ± 2.181e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

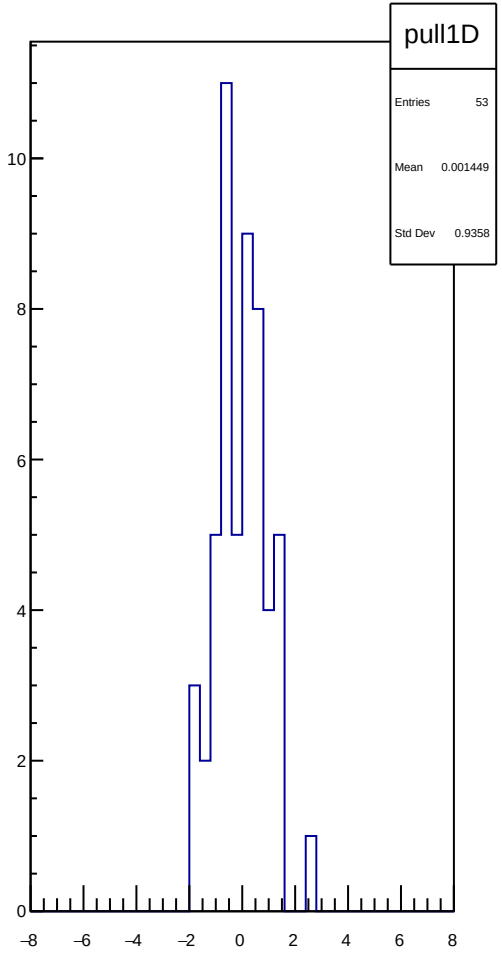

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.41 / 52
p0 −0.1129 ± 0.1657
pull
Entries 53
Mean 765.7
Std Dev 0
pull1D
Entries 53
Mean 0.001449
Std Dev 0.9358

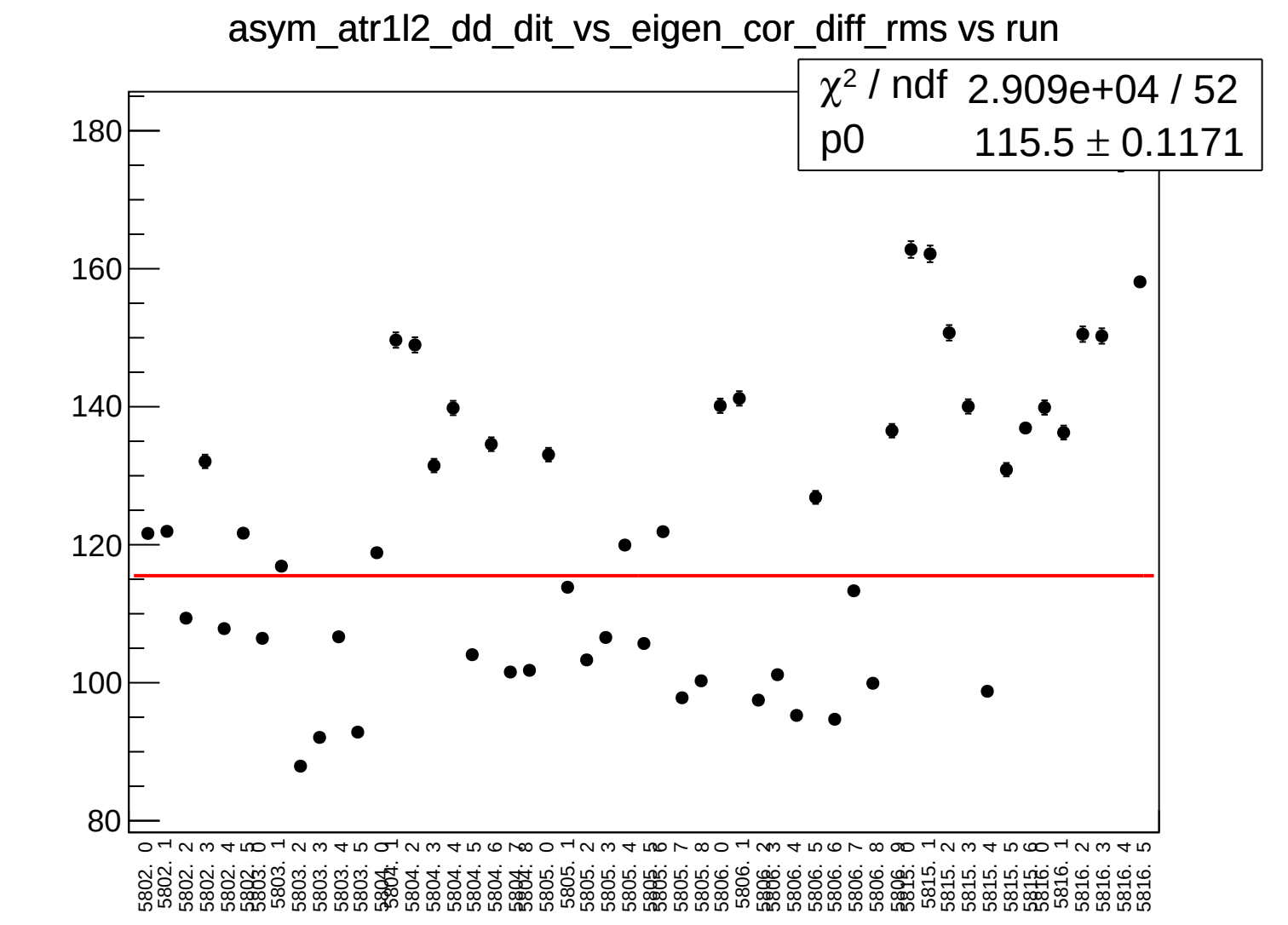

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.909e+04 / 52
p0 115.5 ± 0.1171
180
160
140
120
100
80

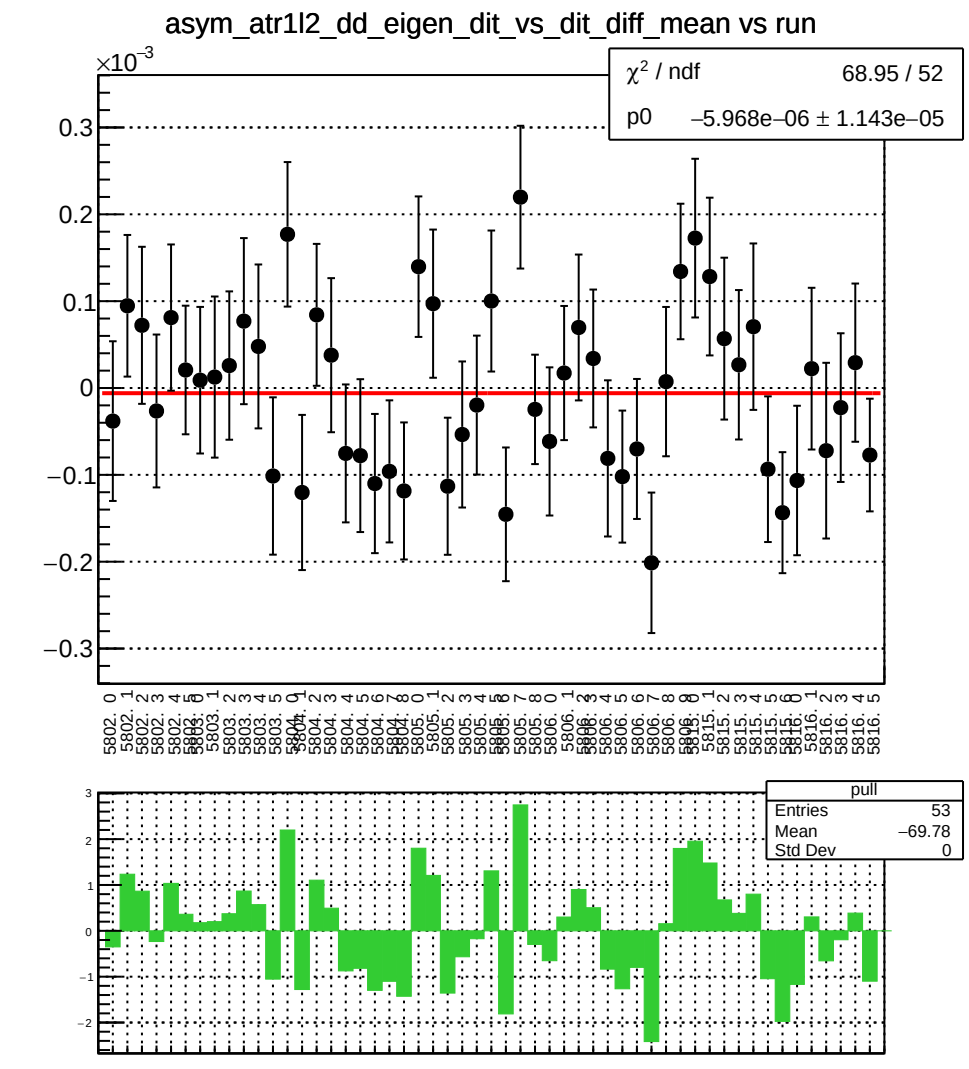
asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run

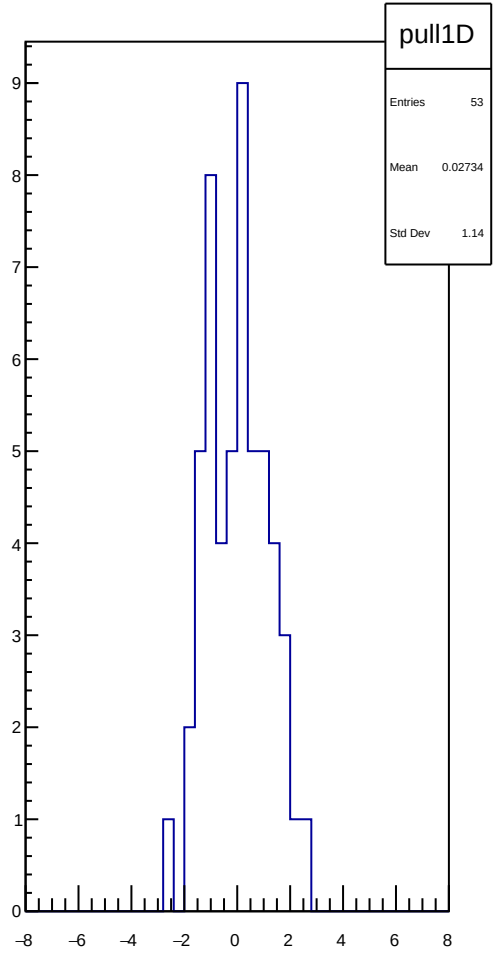


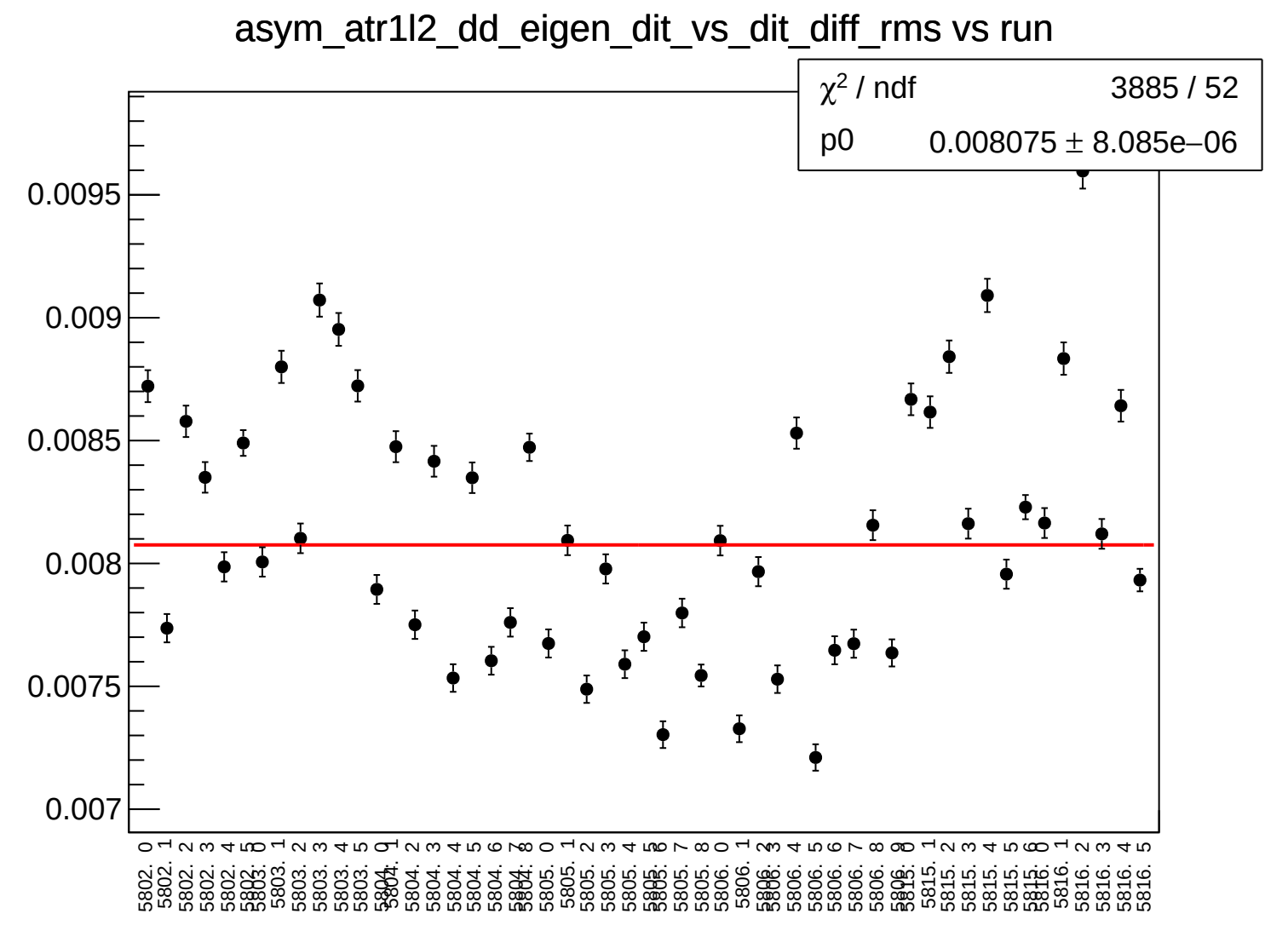




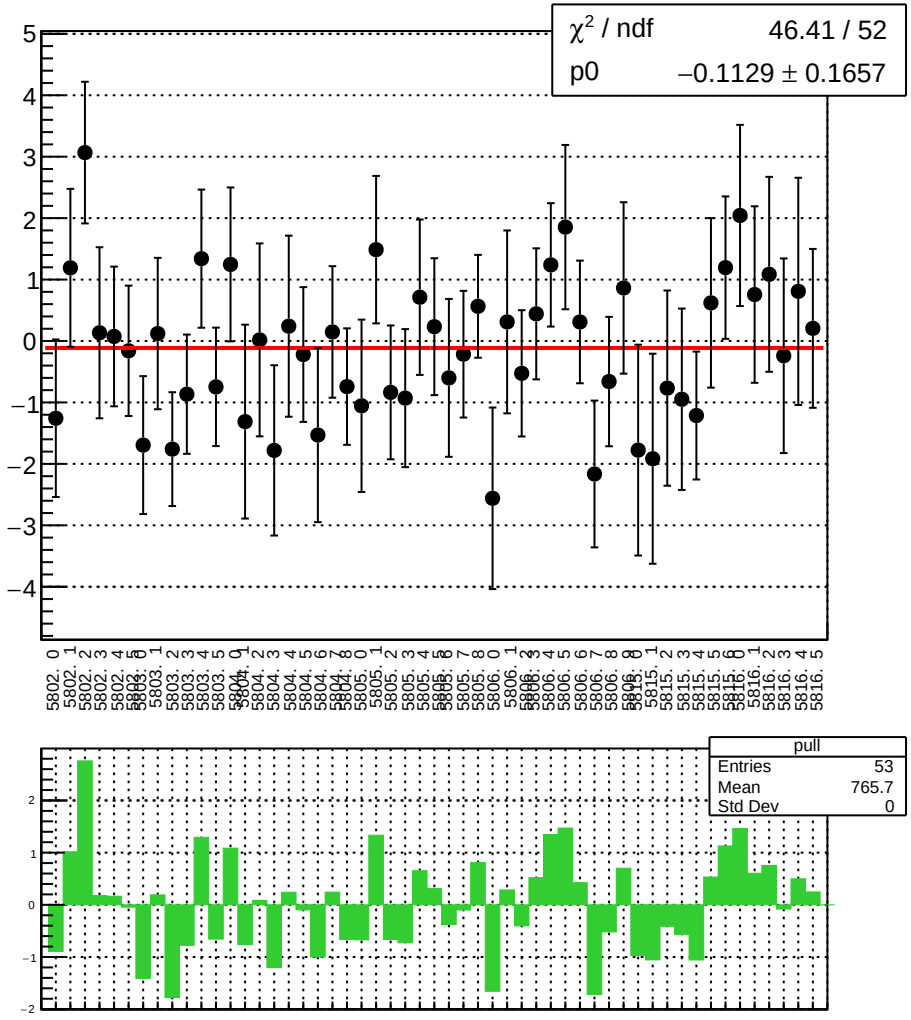

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.909e+04 / 52
p0 115.5 ± 0.1171
180
160
140
120
100
80

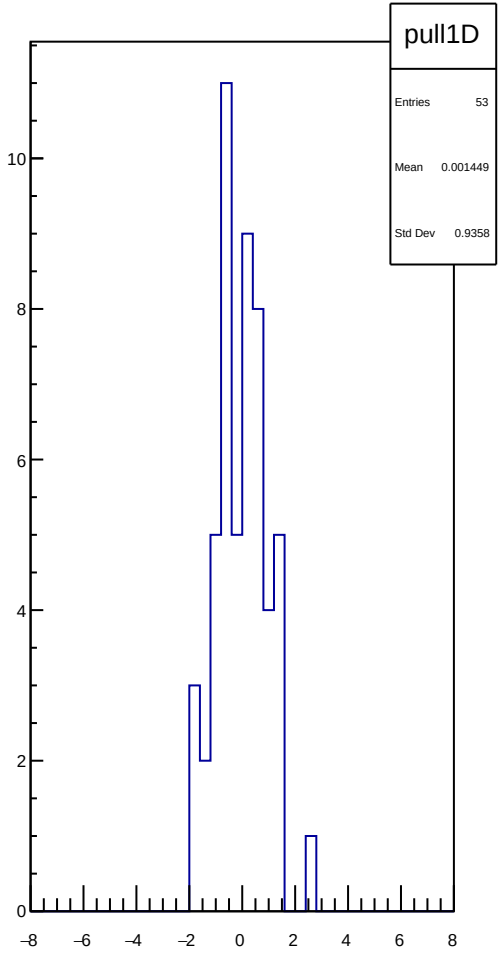

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.95 / 52
p0 −5.968e−06 ± 1.143e−05
pull
Entries 53
Mean −69.78
Std Dev 0

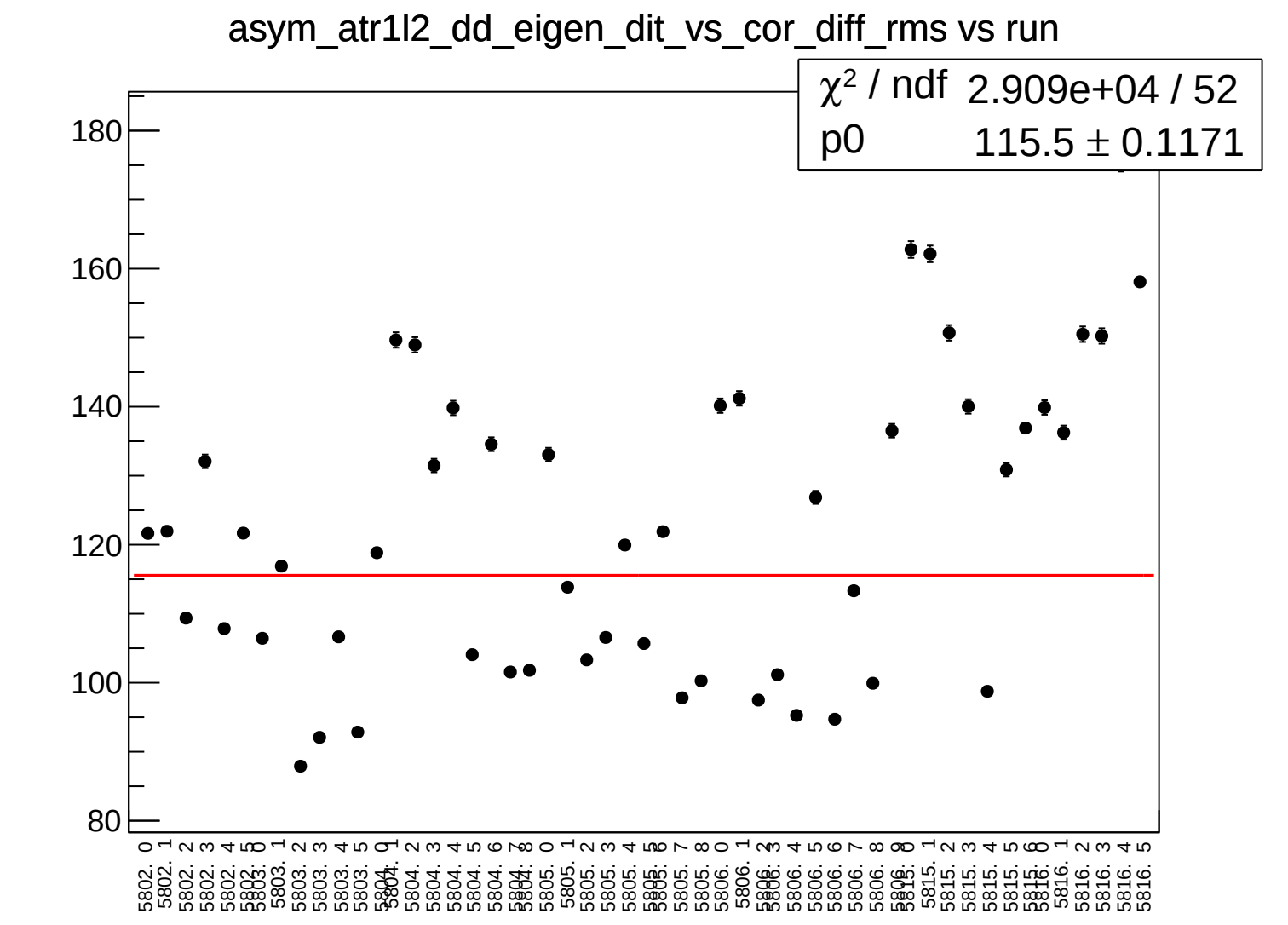

pull1D
Entries 53
Mean 0.02734
Std Dev 1.14


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3885 / 52
p0 0.008075 ± 8.085e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

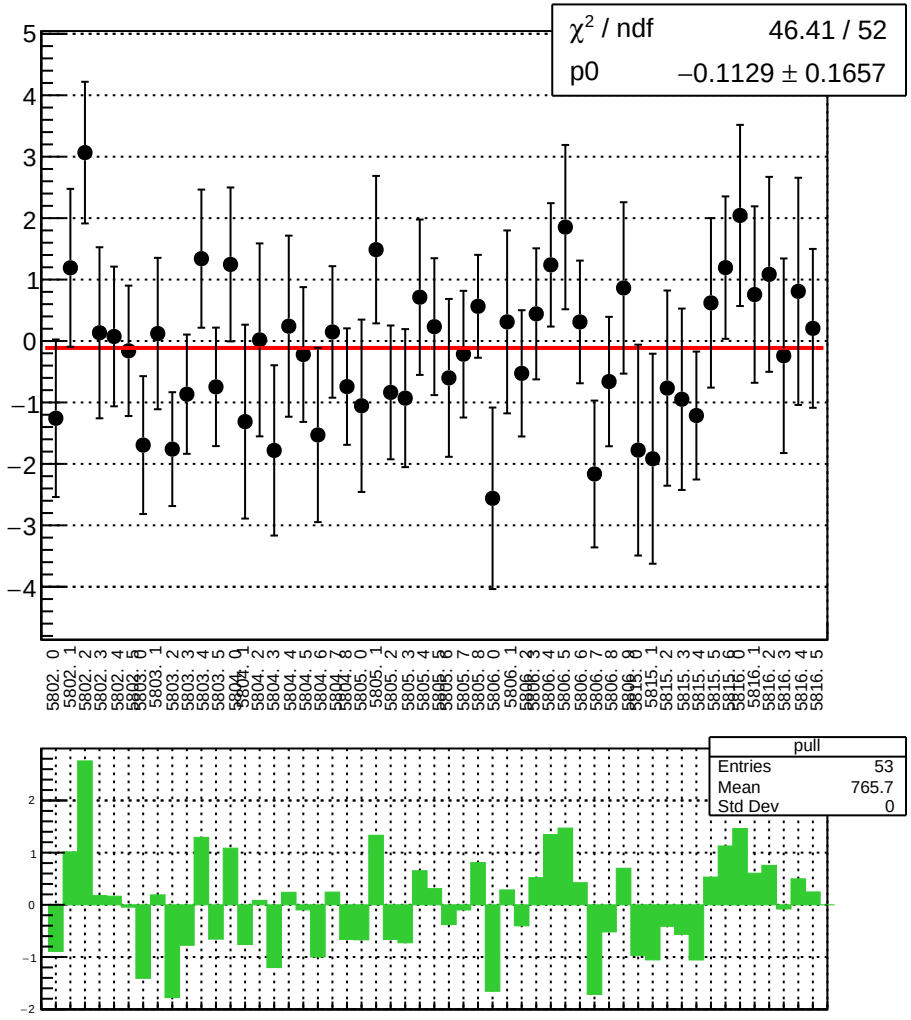
asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run

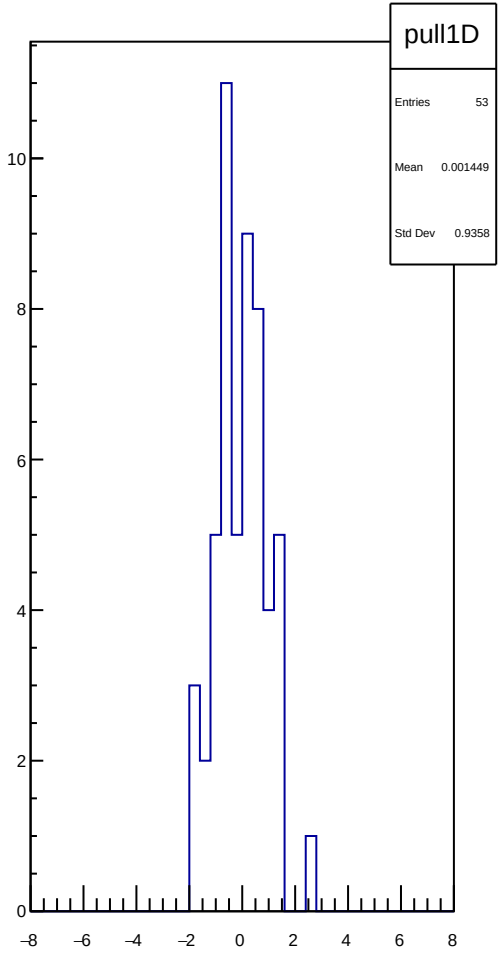


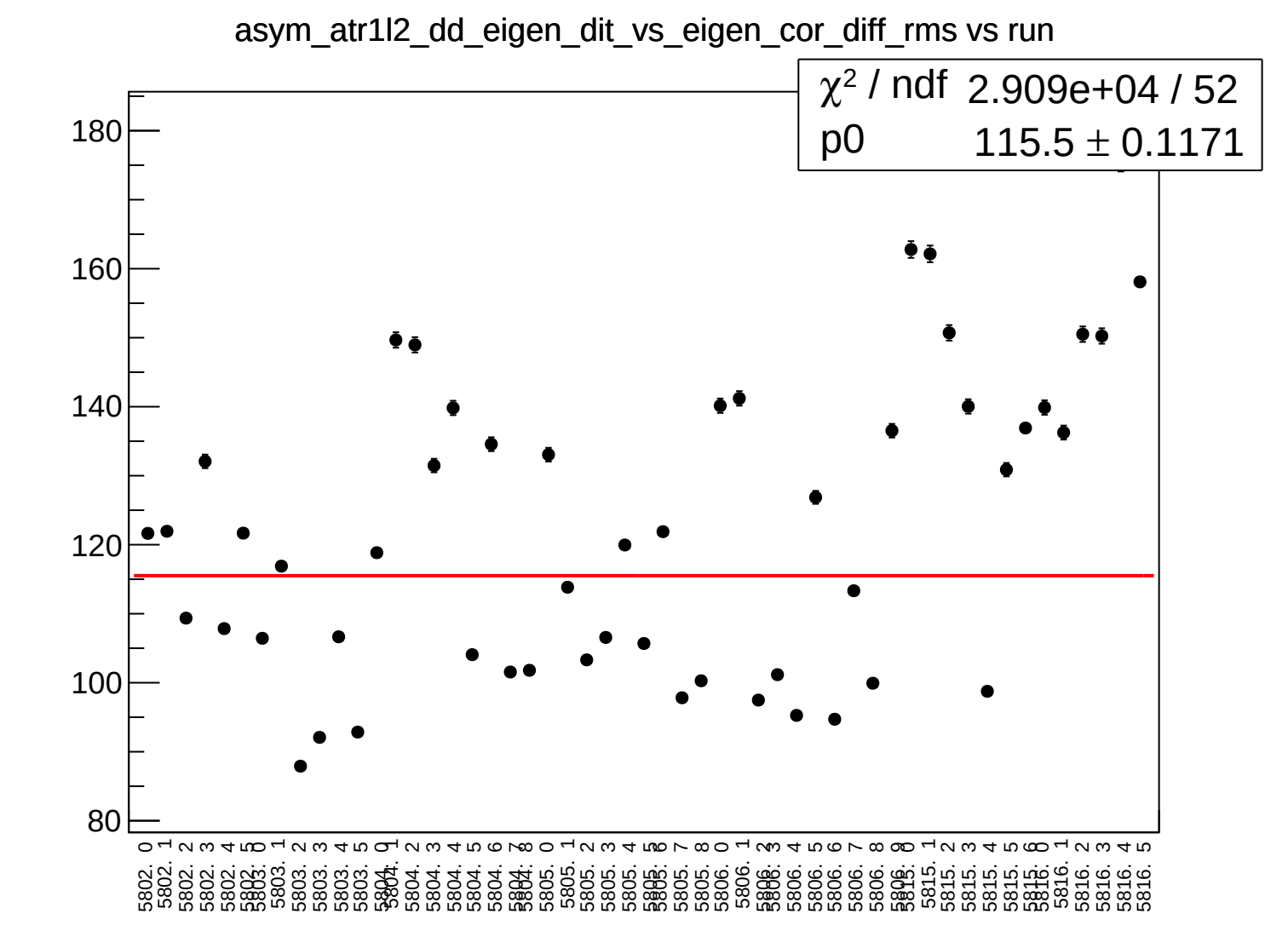


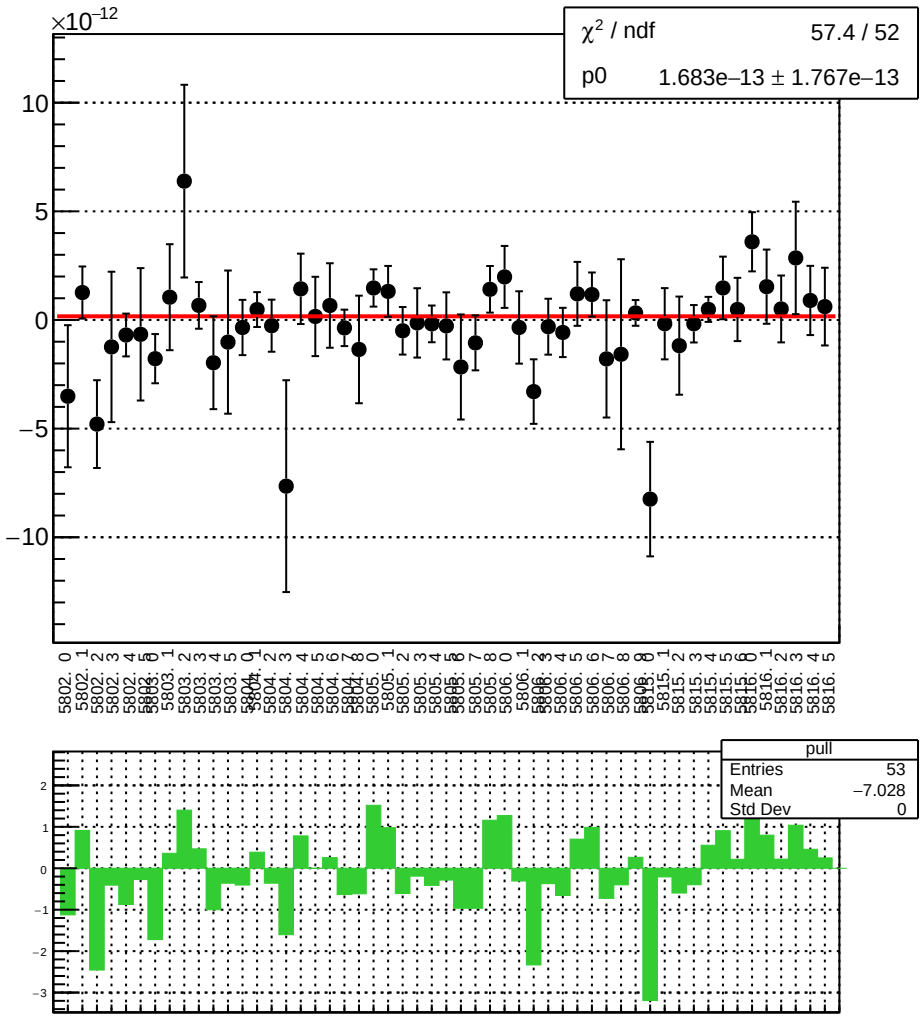

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.909e+04 / 52
p0 115.5 ± 0.1171
180
160
140
120
100
80

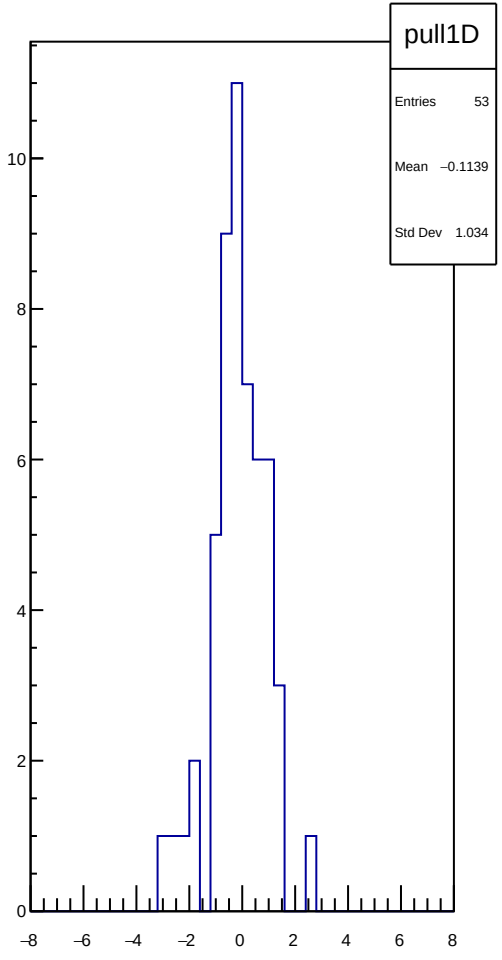
asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

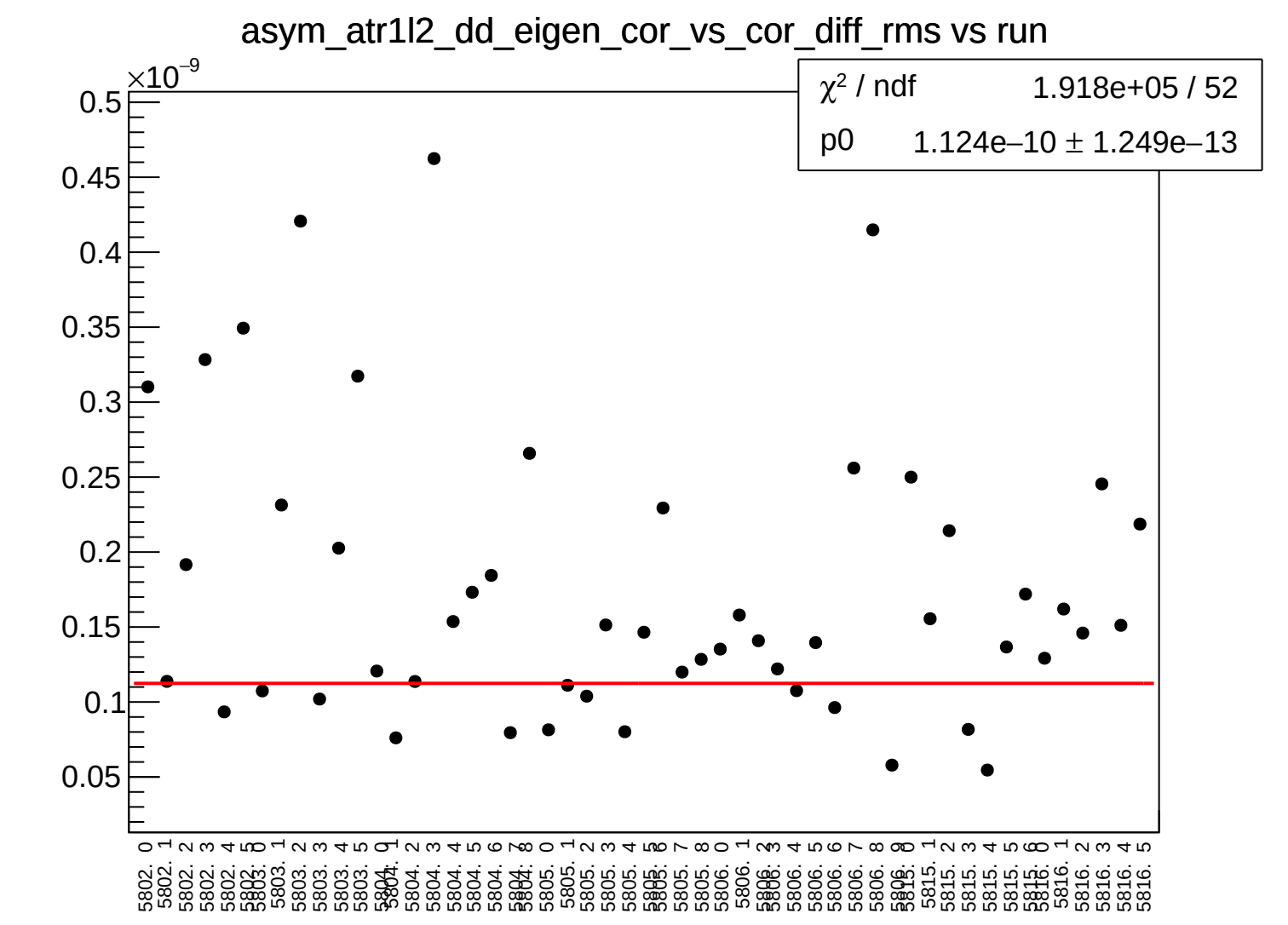


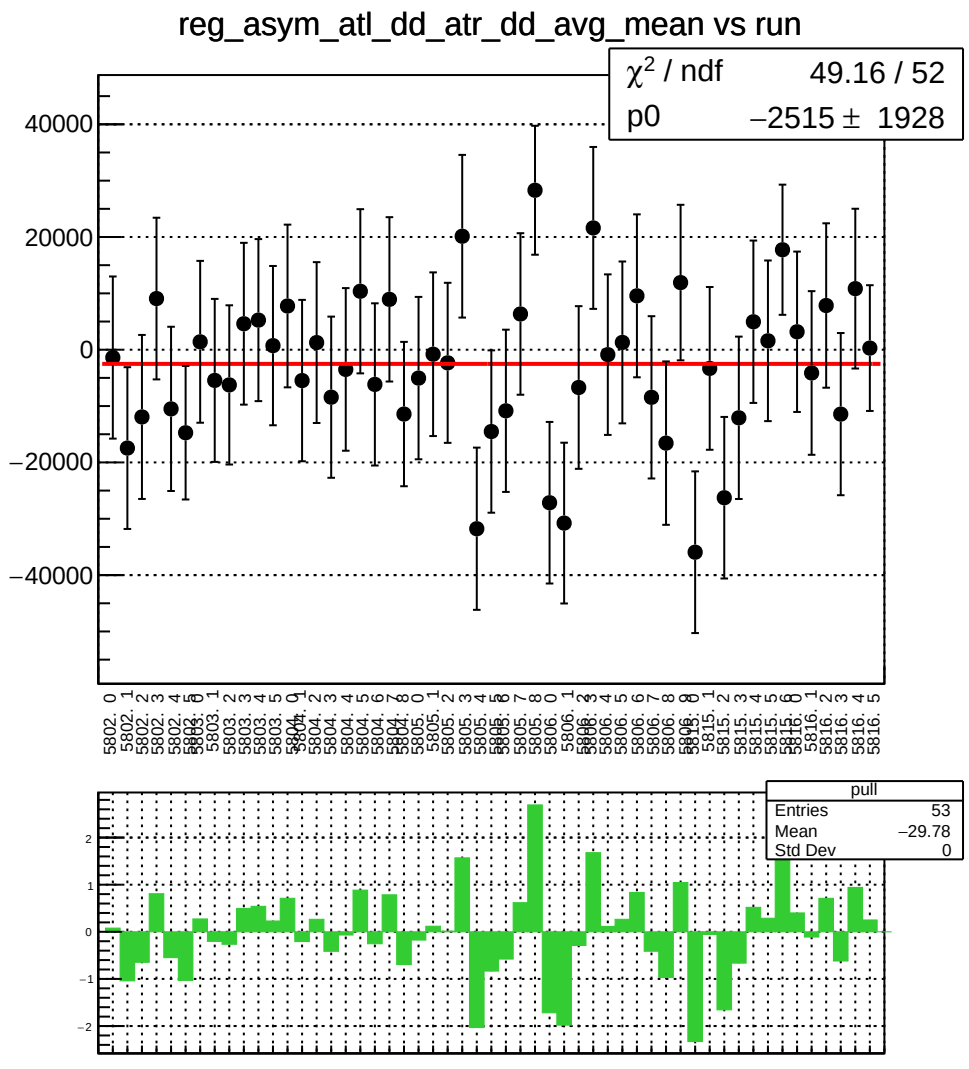


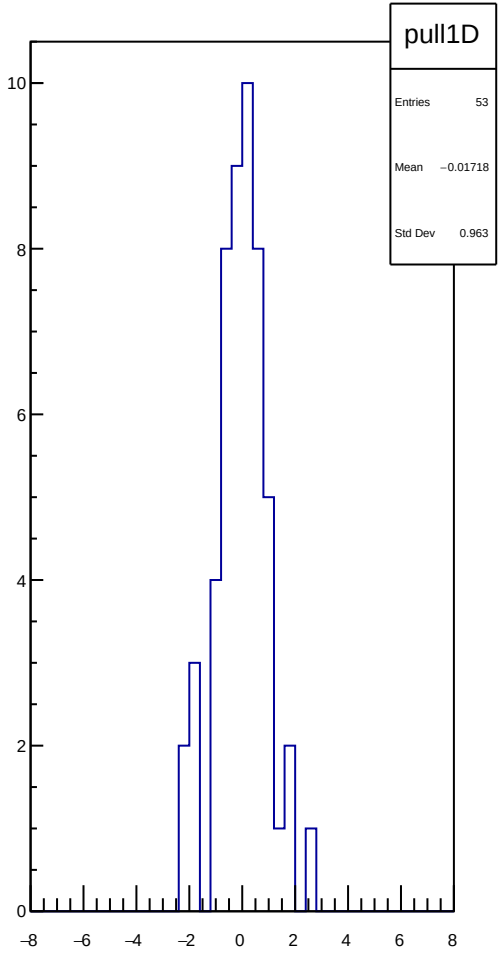

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.909e+04 / 52
p0 115.5 ± 0.1171
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

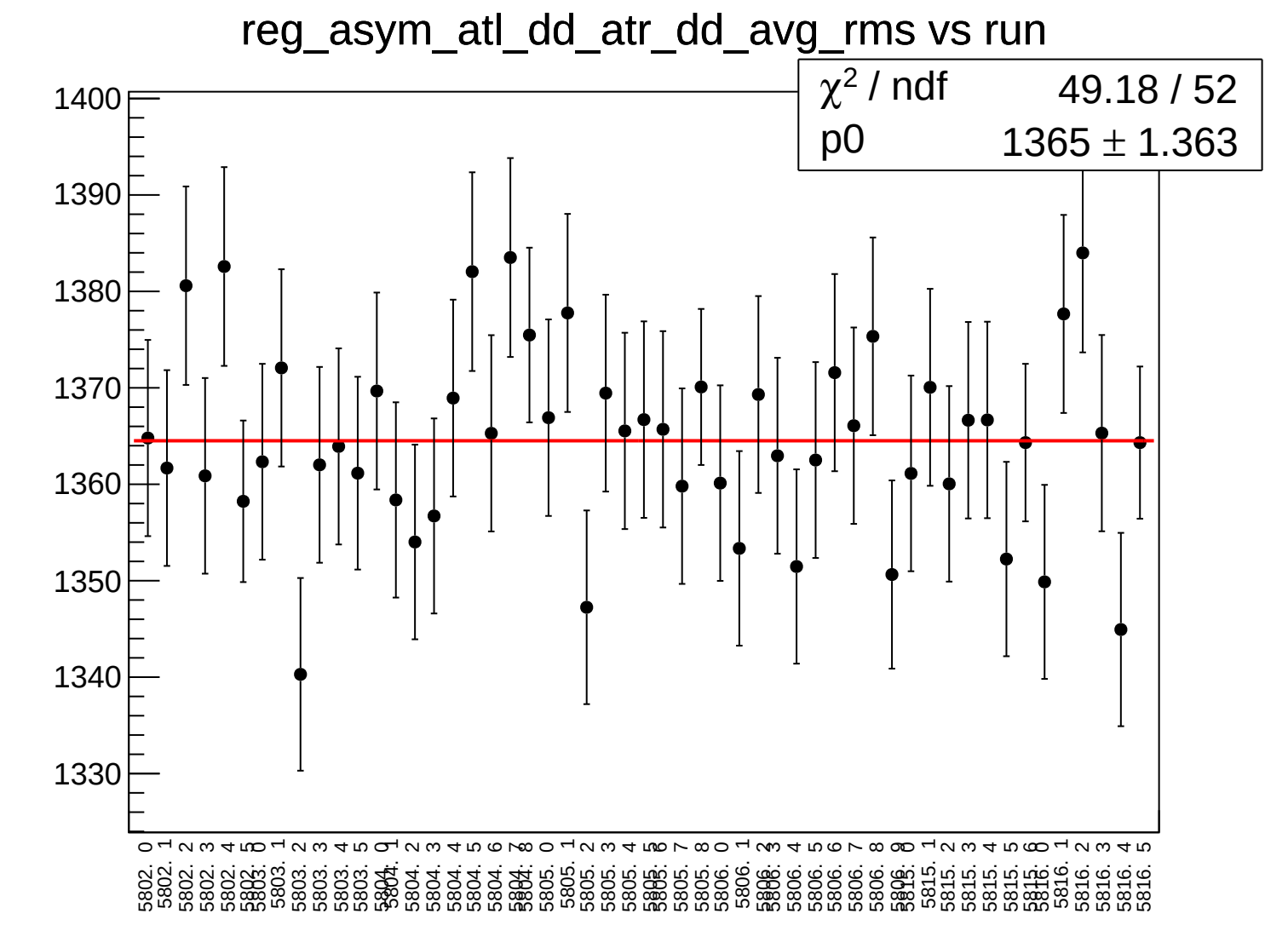

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.4 / 52
p0 1.683e−13 ± 1.767e−13
10
5
0
−5
−10
pull
Entries 53
Mean −7.028
Std Dev 0
2
1
0
−1
−2
−3

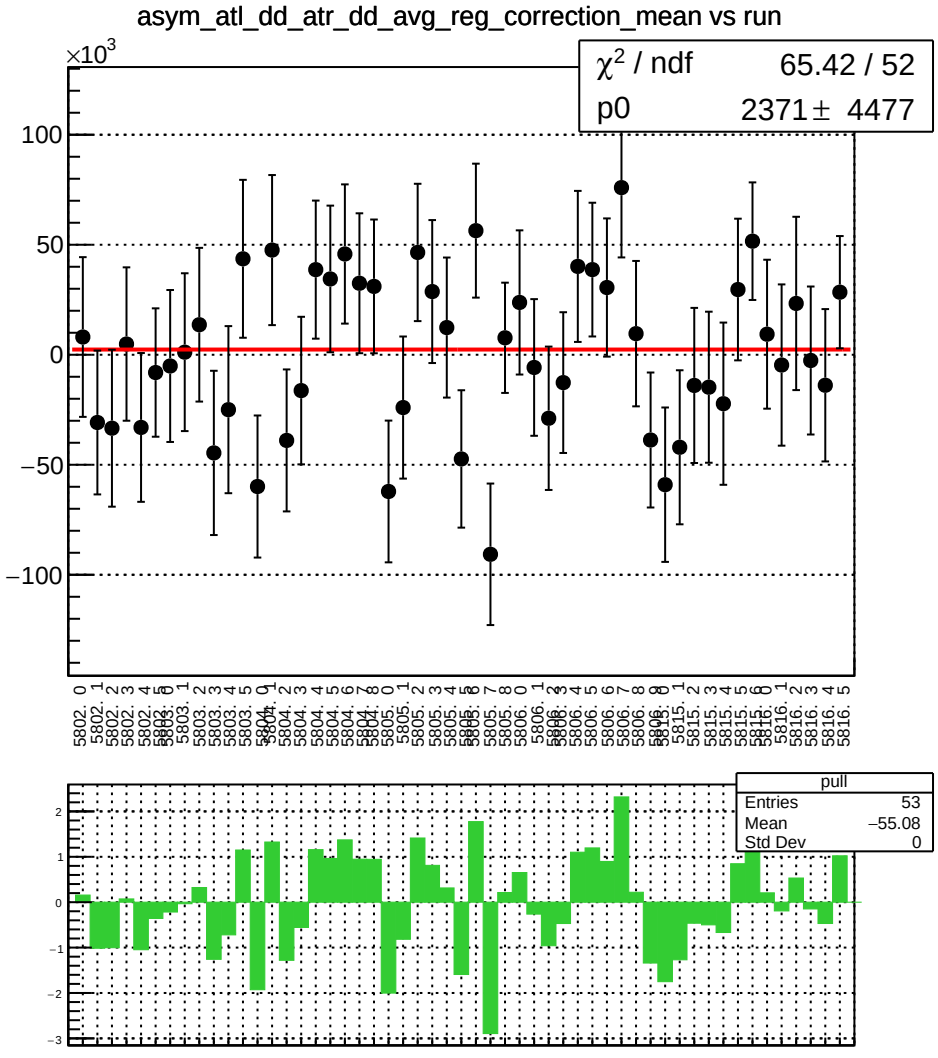

pull1D
Entries 53
Mean −0.1139
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

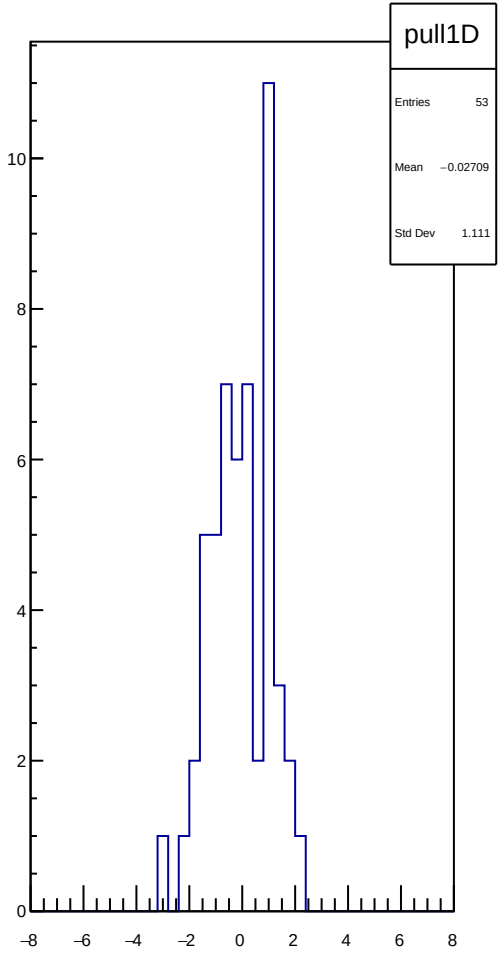

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.918e+05 / 52
p0 1.124e−10 ± 1.249e−13
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

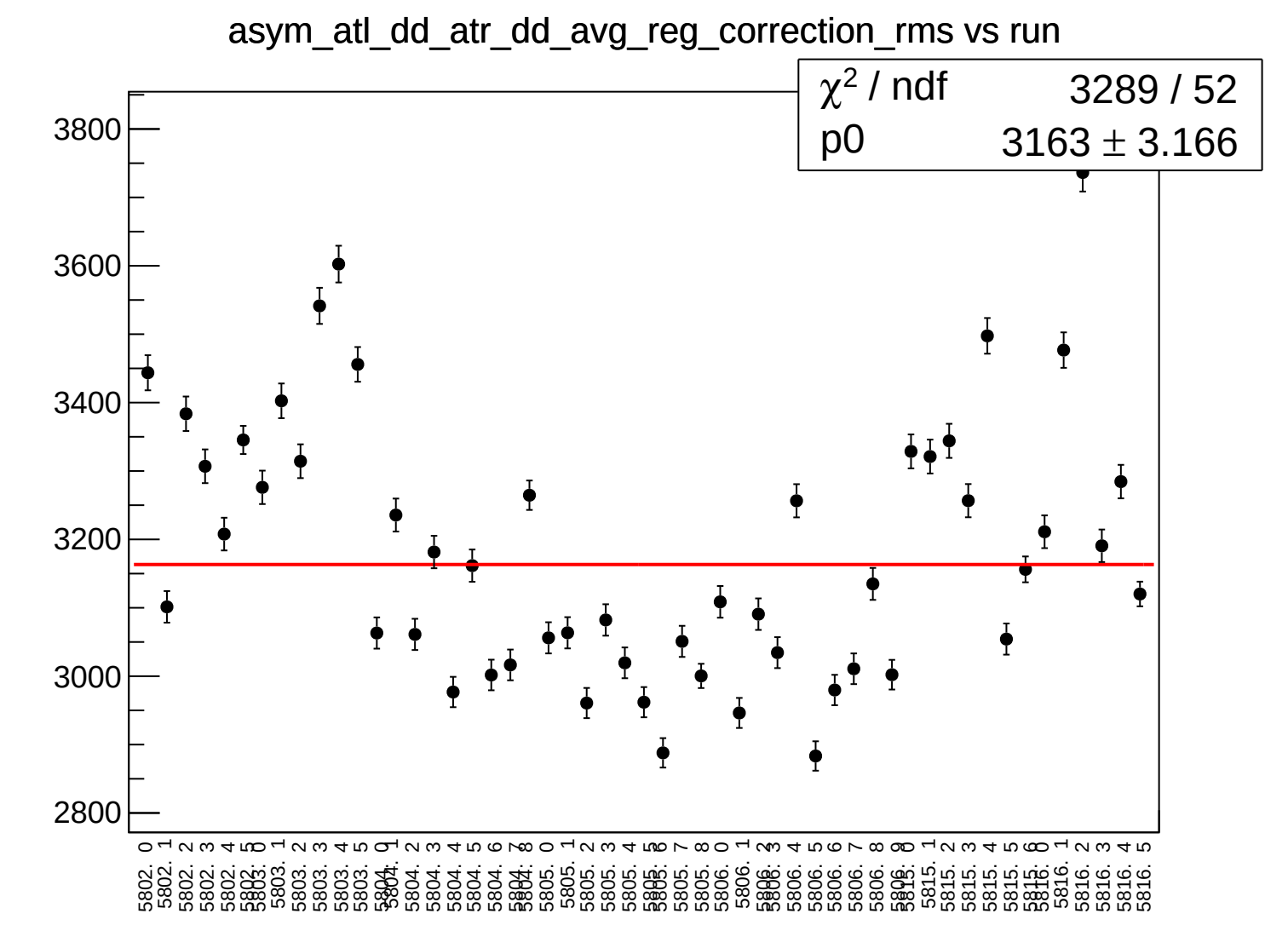

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 49.16 / 52
p0 −2515 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

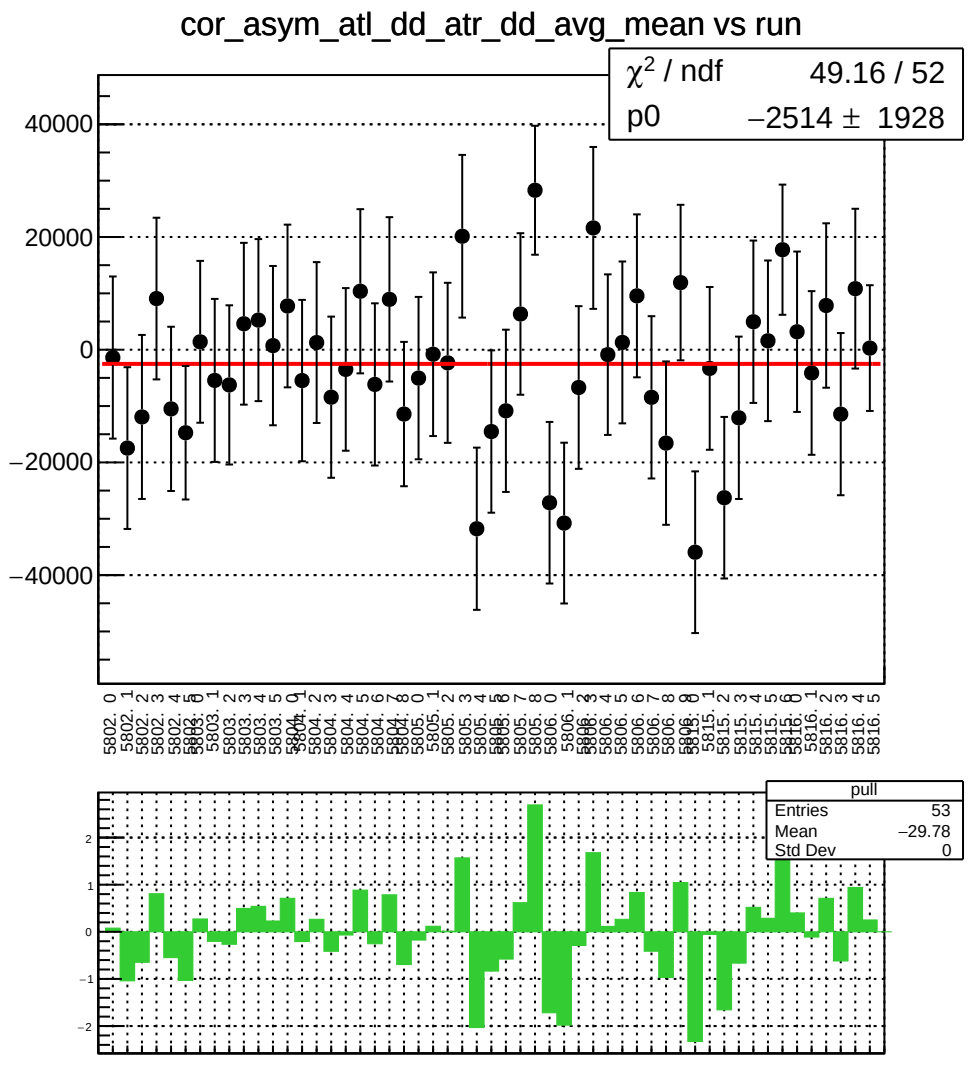

pull1D
Entries 53
Mean −0.01718
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

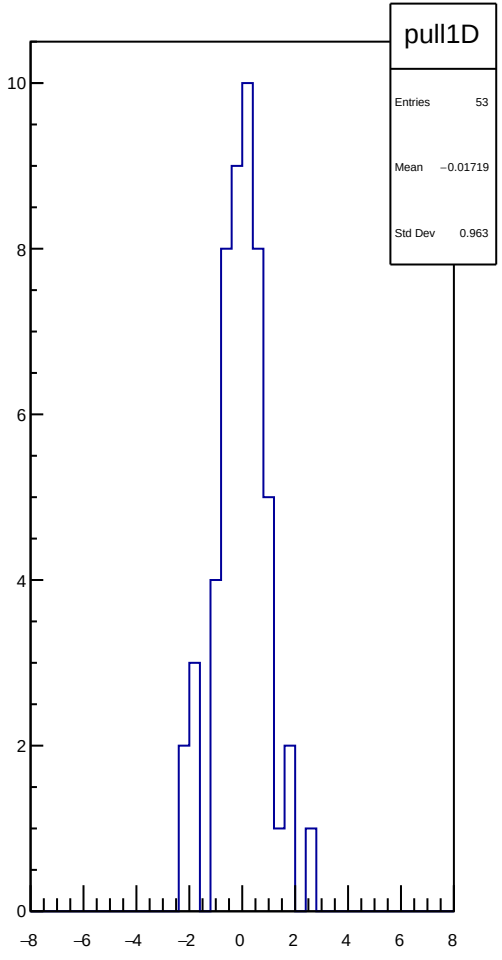

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

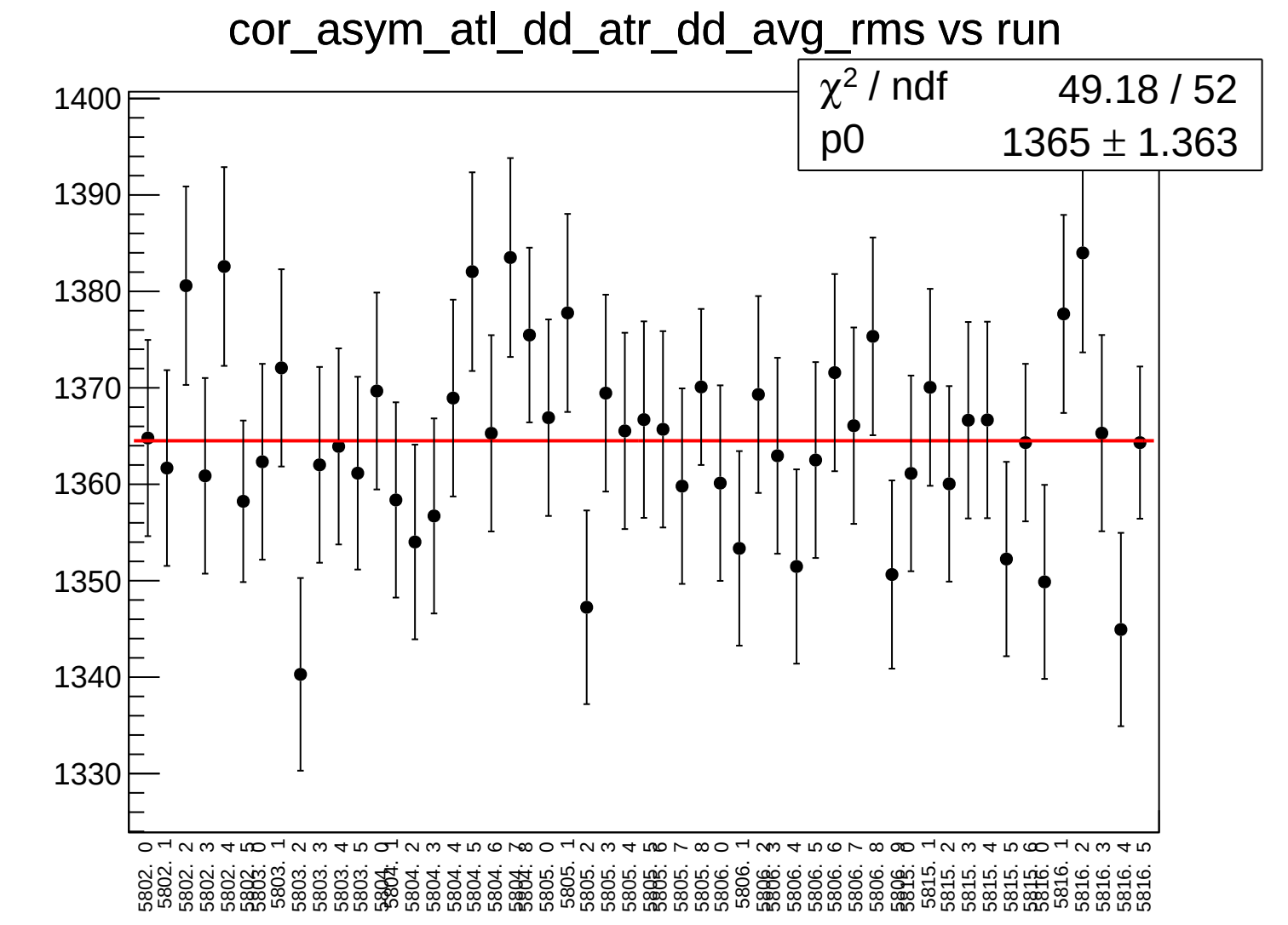

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.08
Std Dev 0
2
1
0
−1
−2
−3

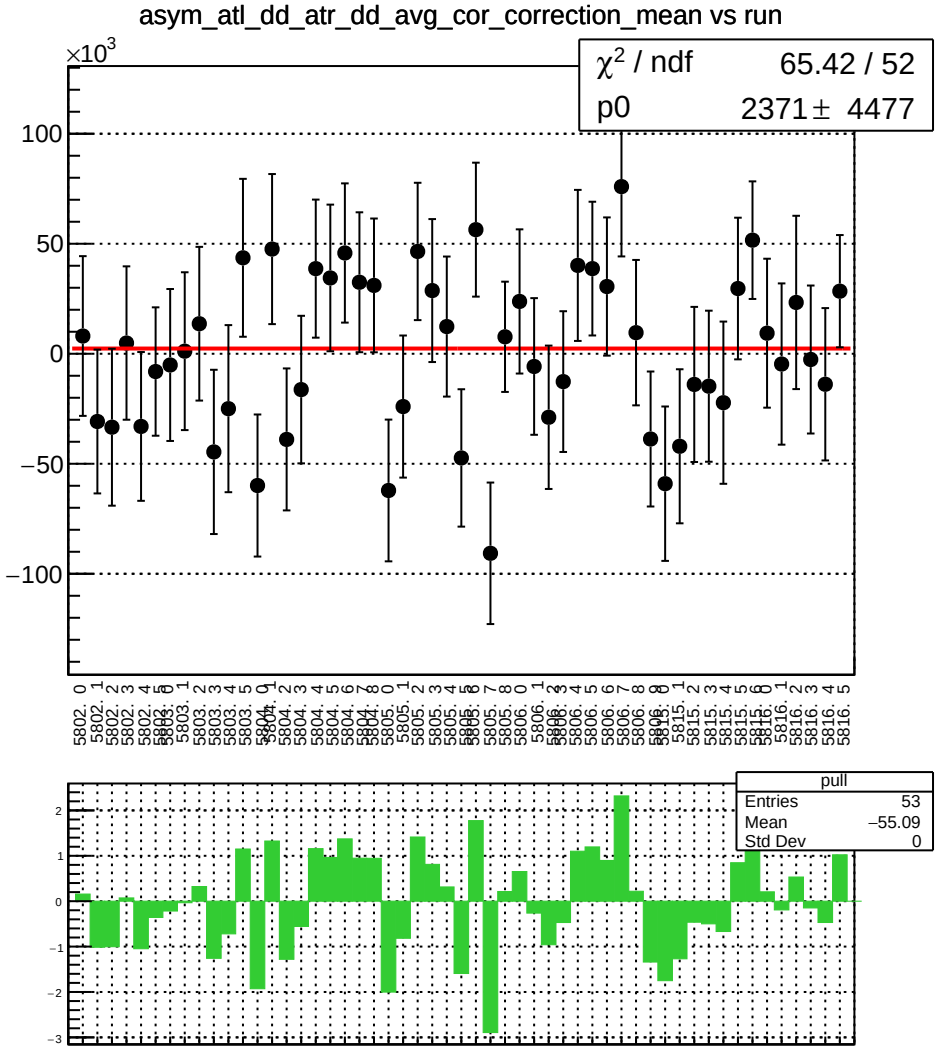

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

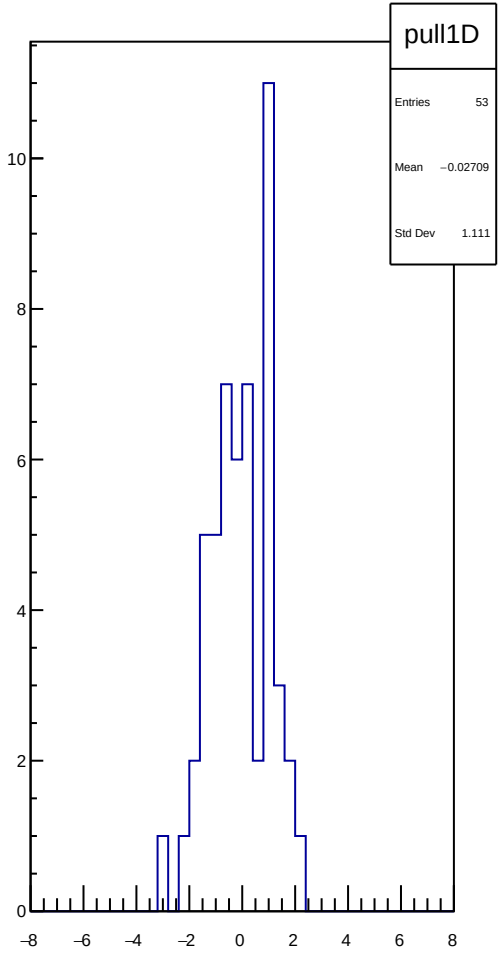

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

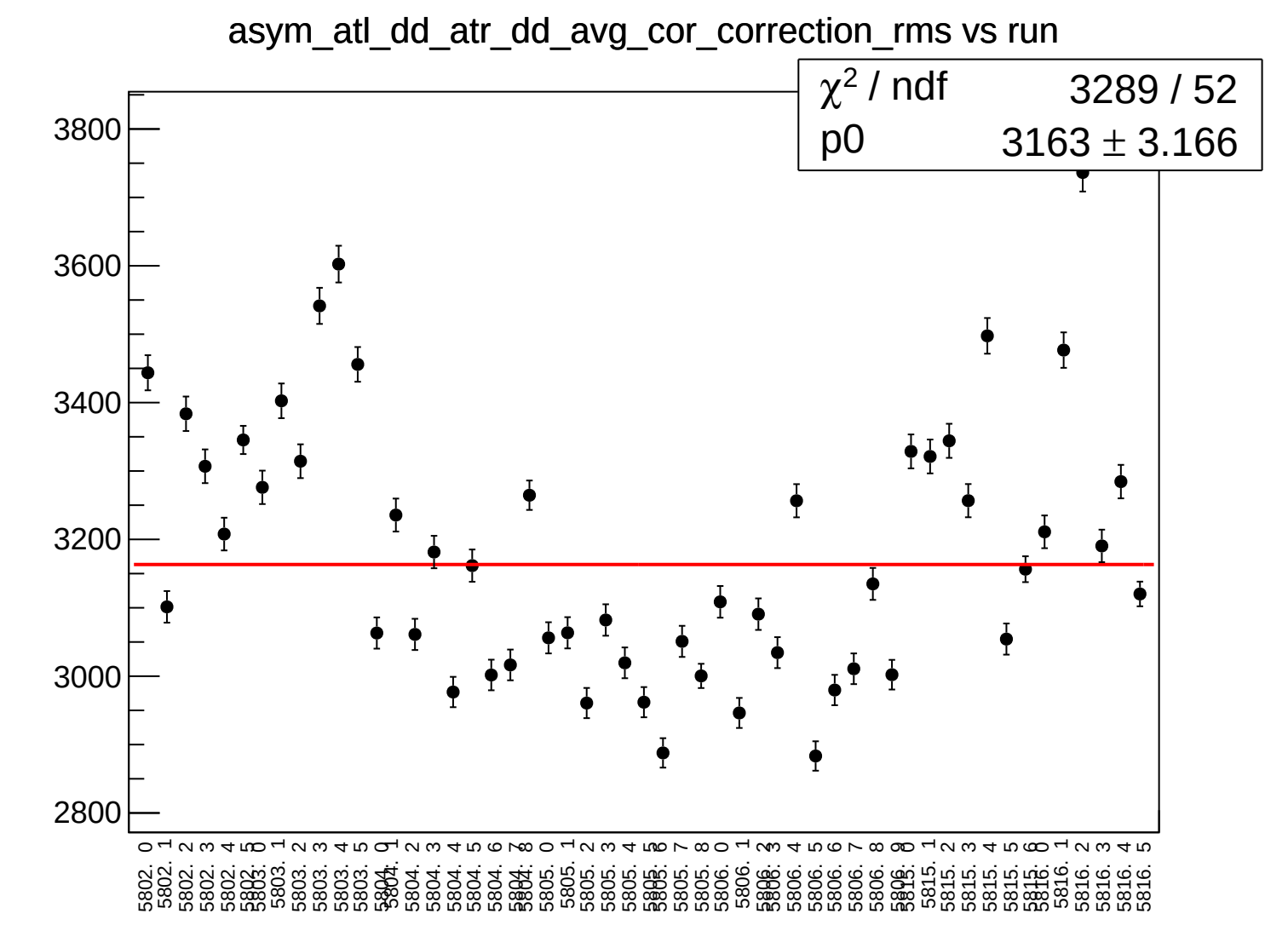

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

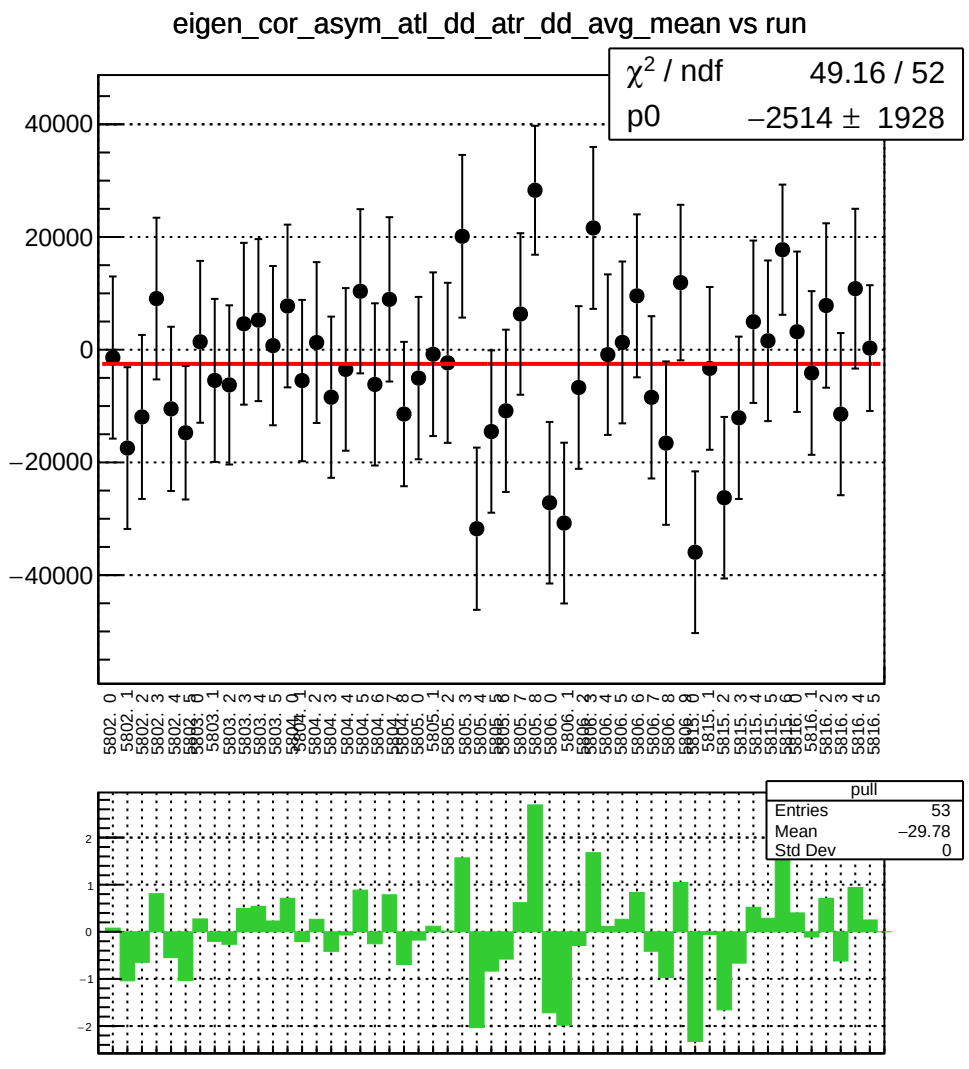

pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

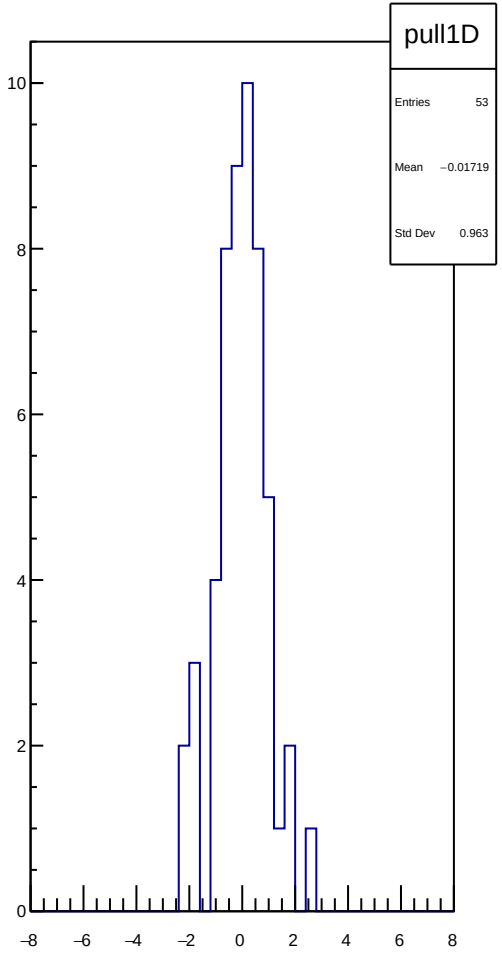

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

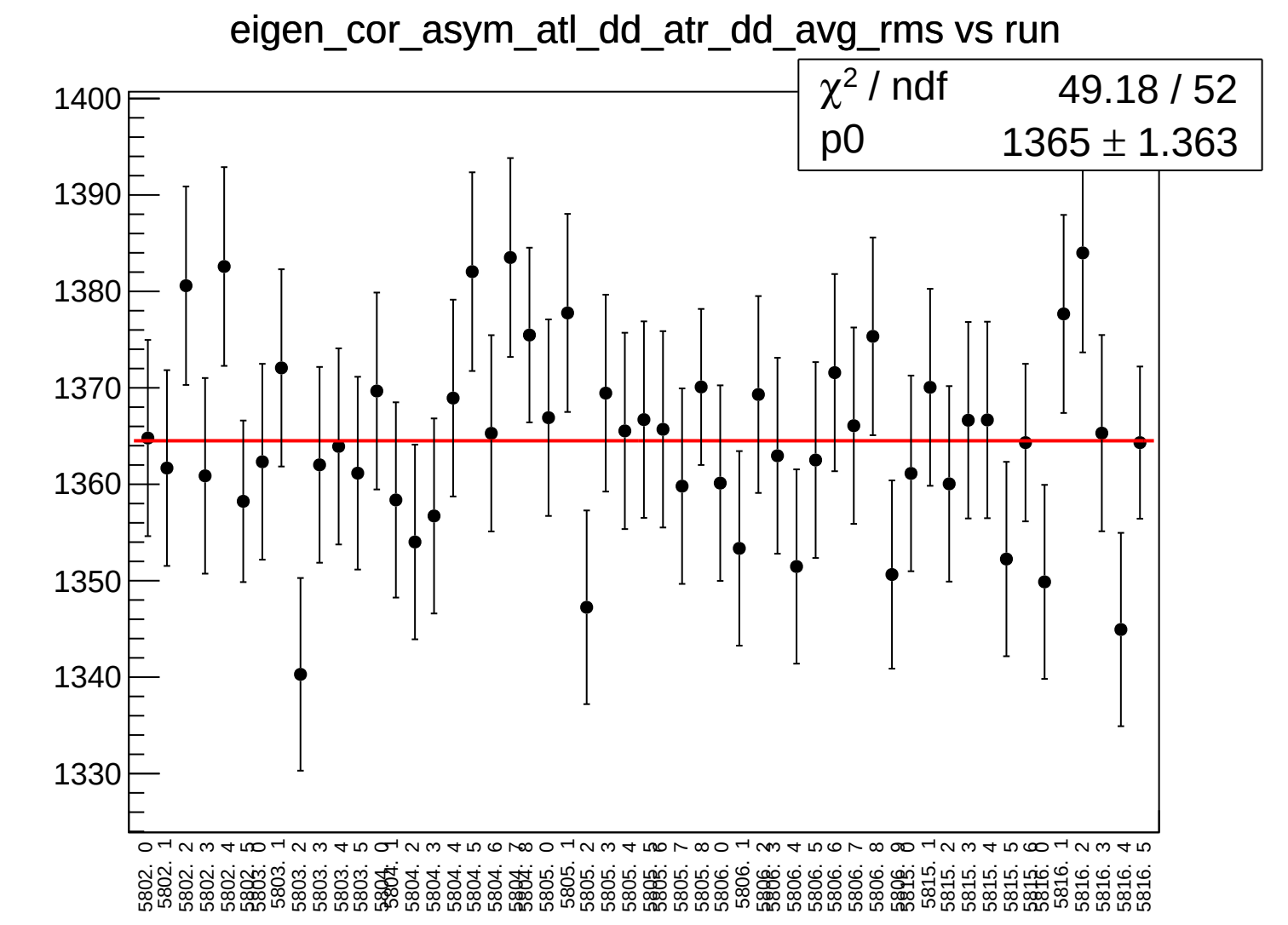

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3

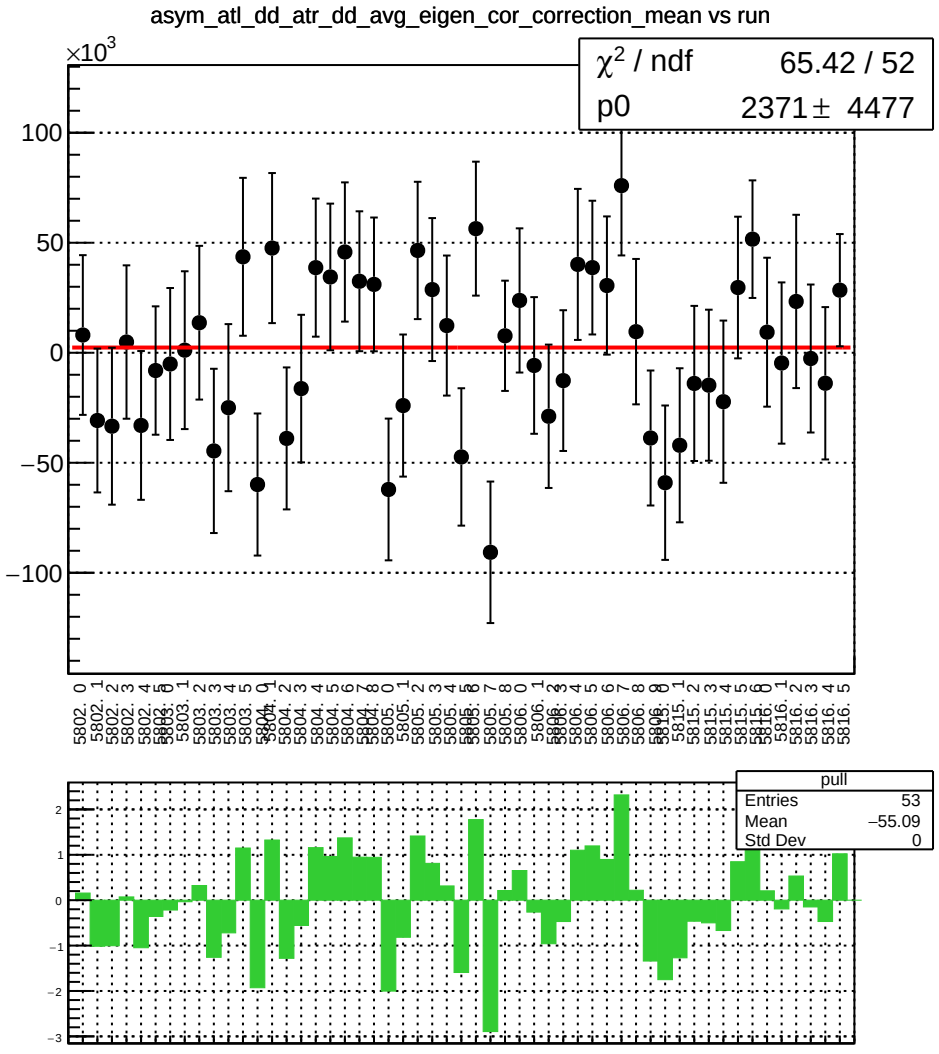

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

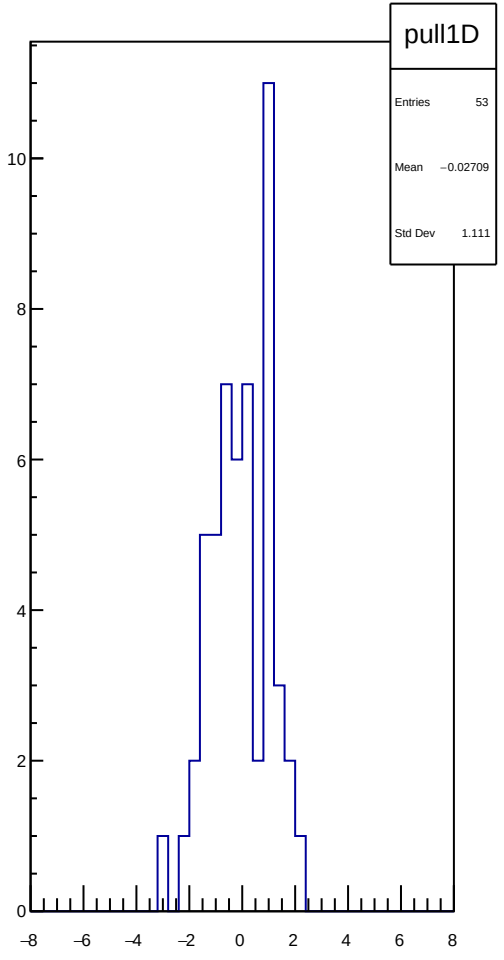

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

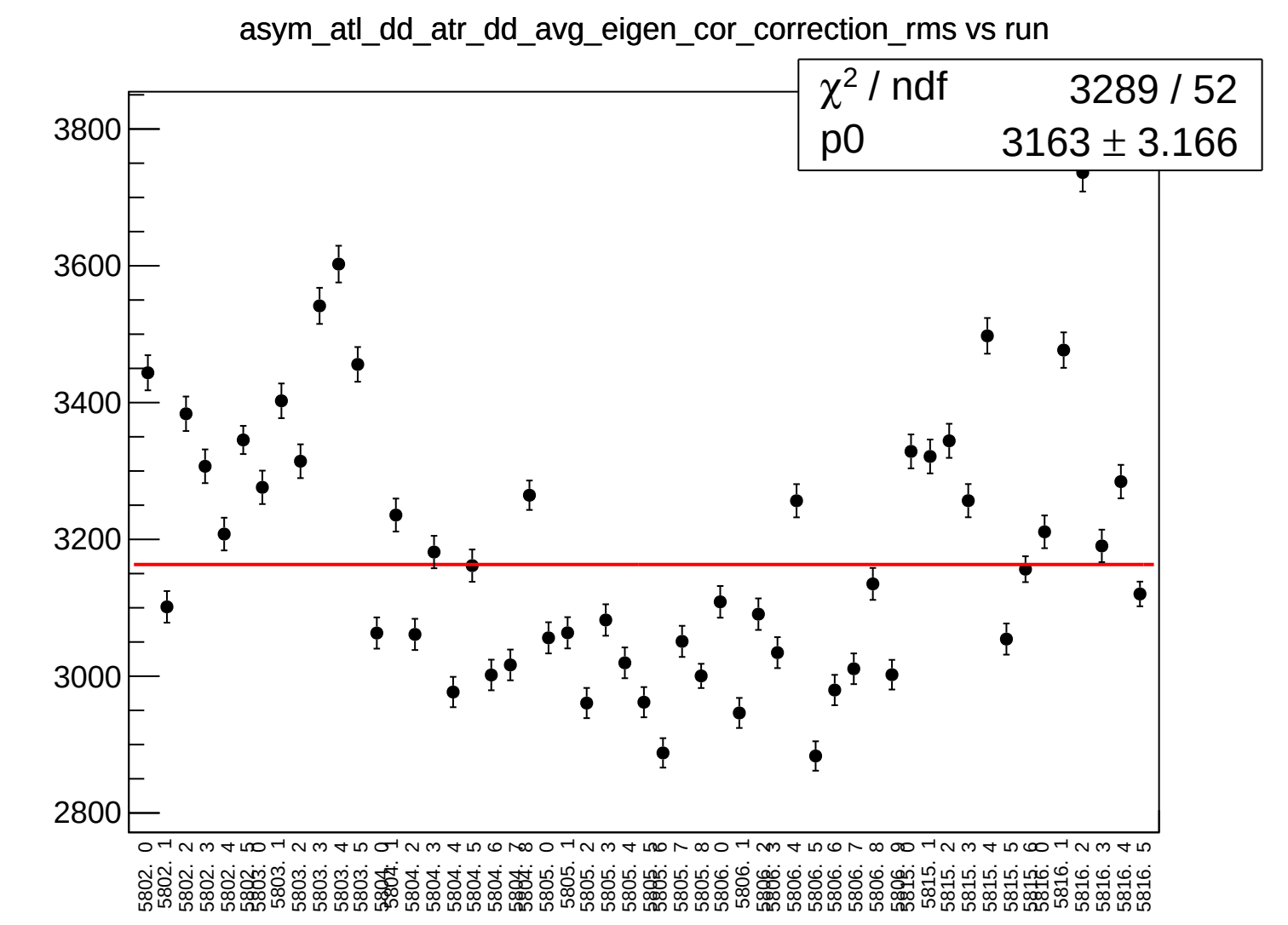

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

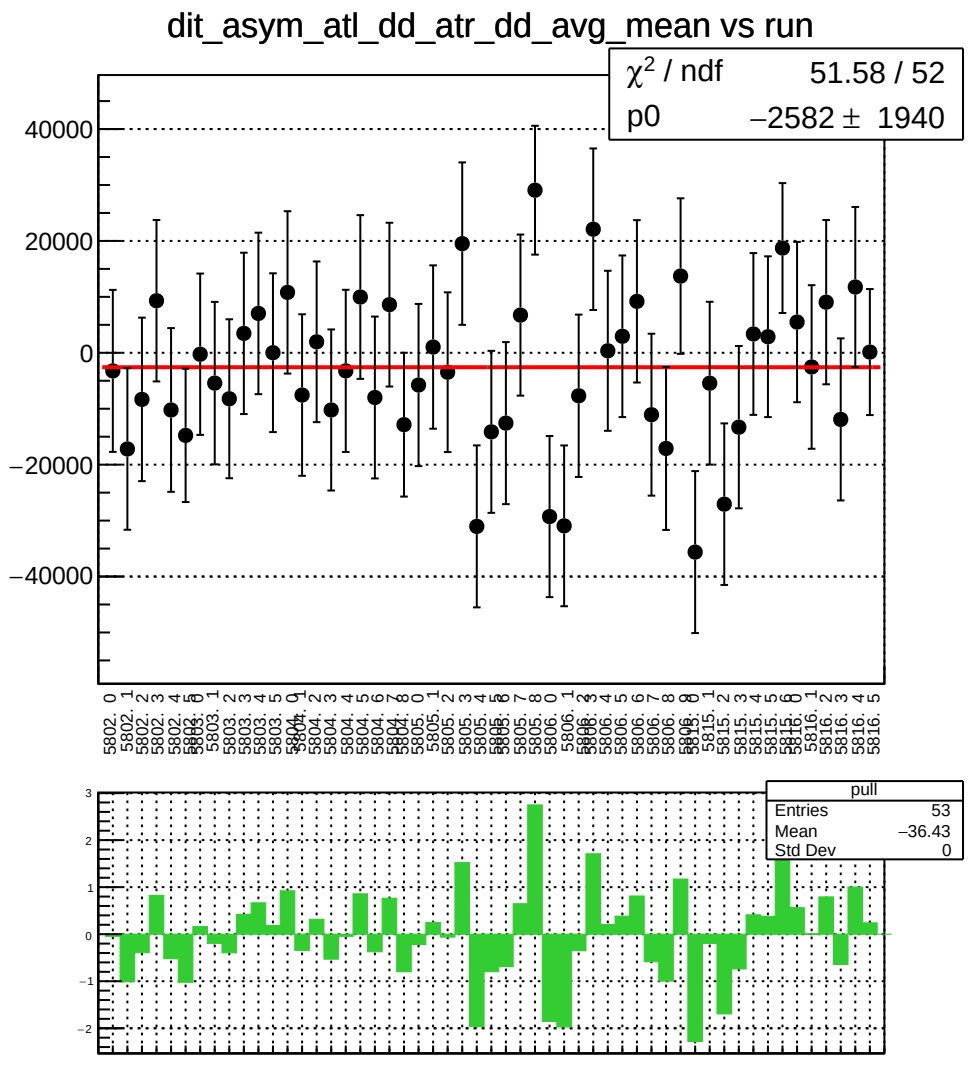

pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

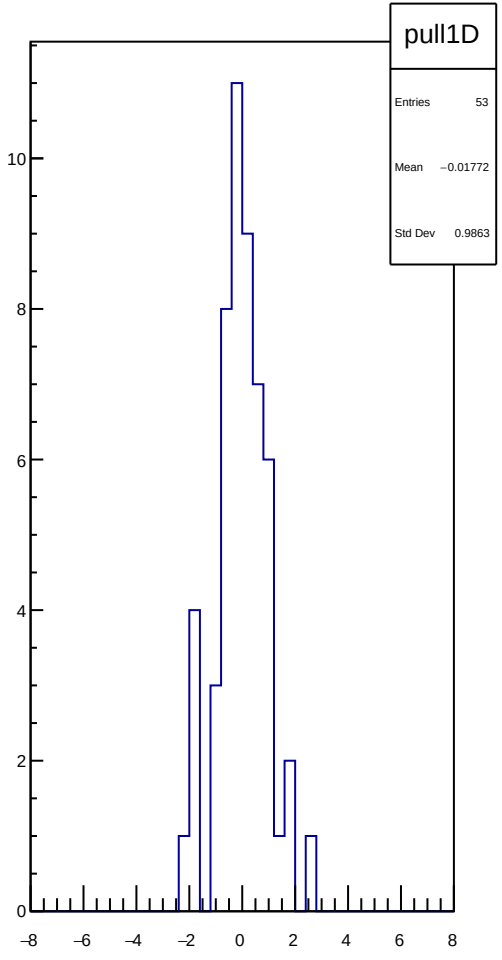

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

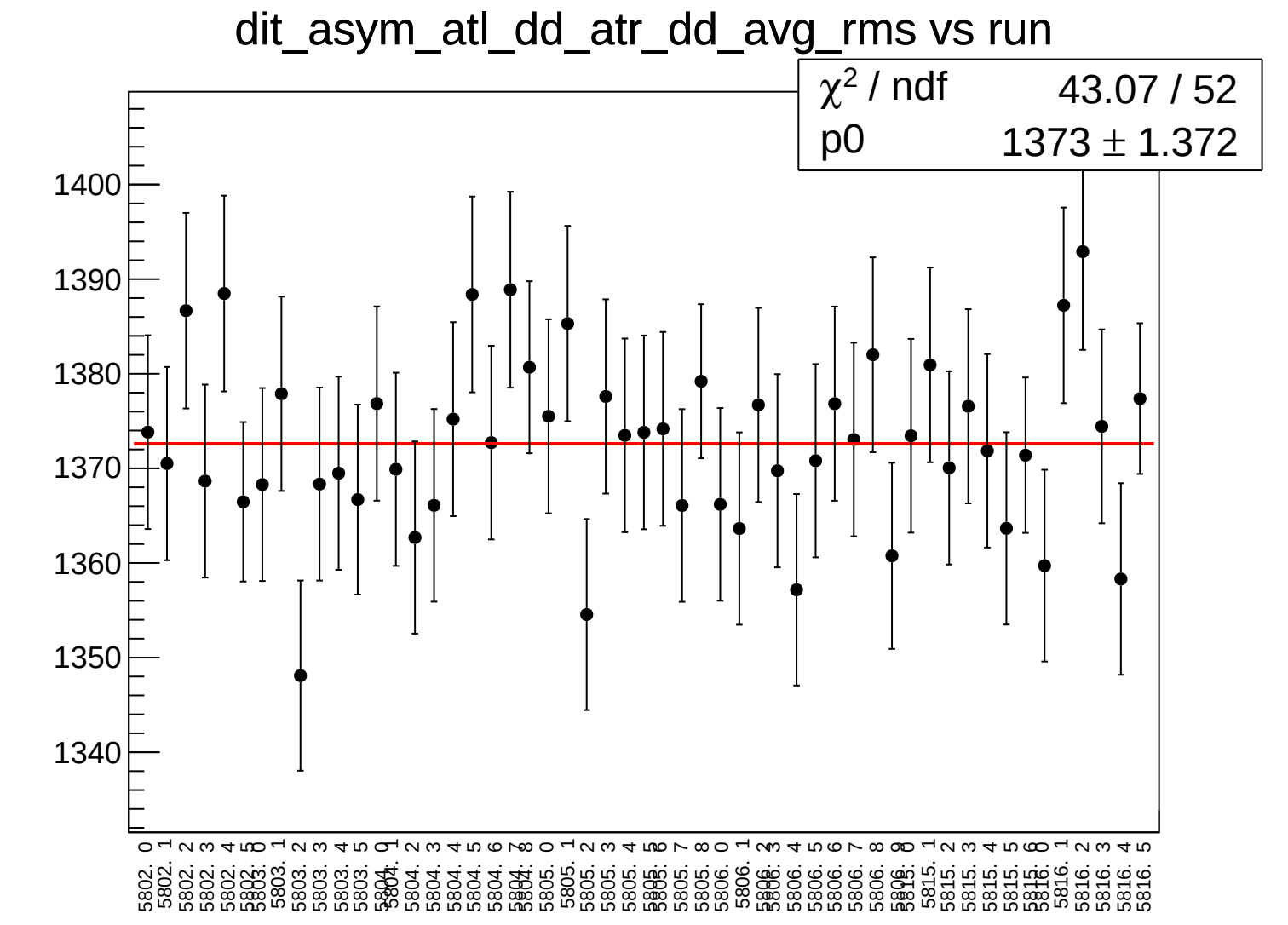

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3

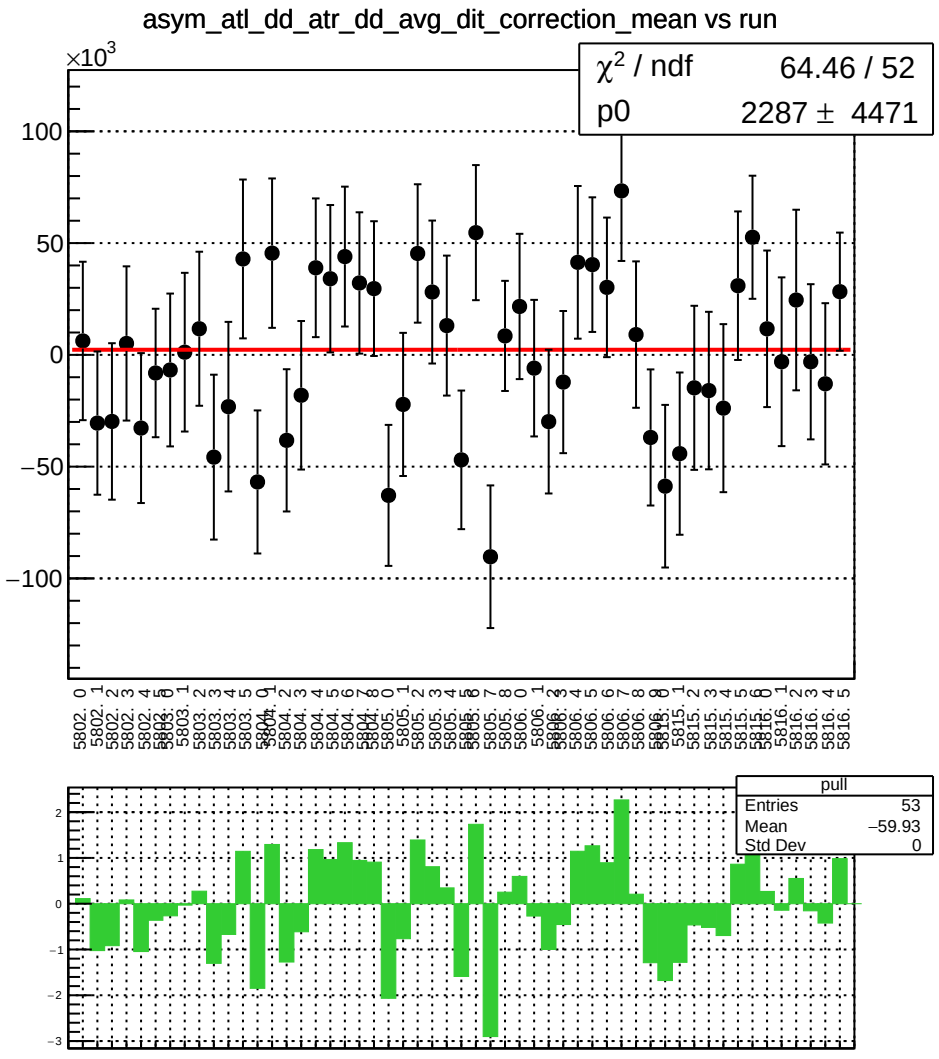

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

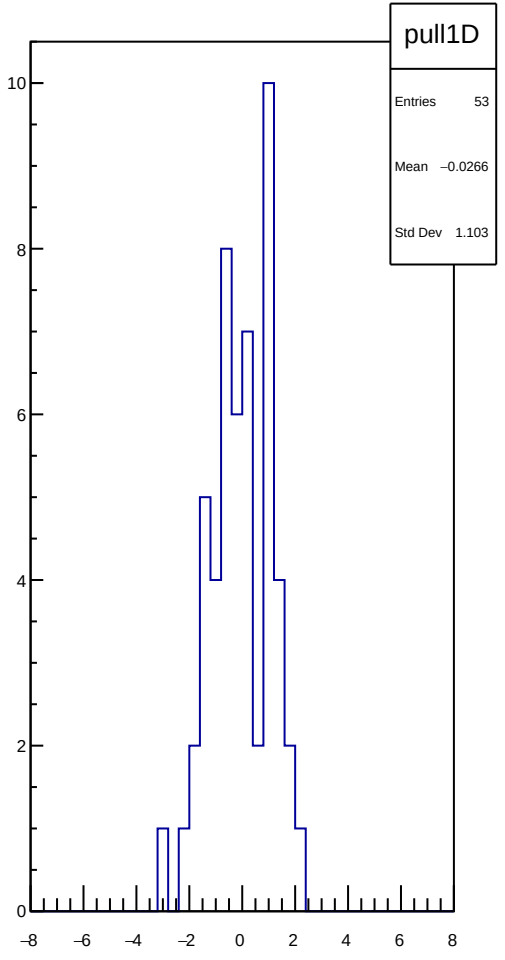

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

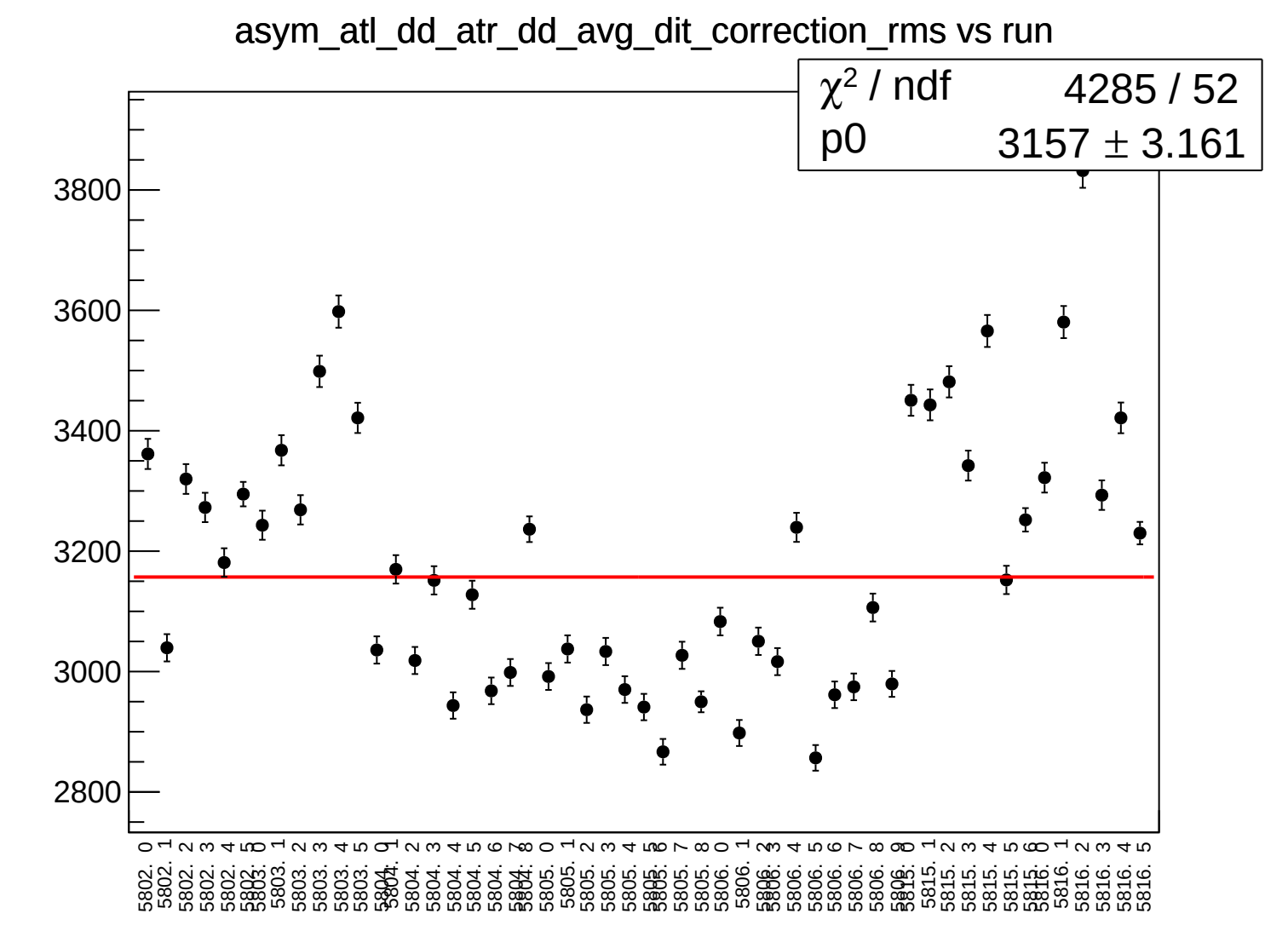

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0
3
2
1
0
−1
−2

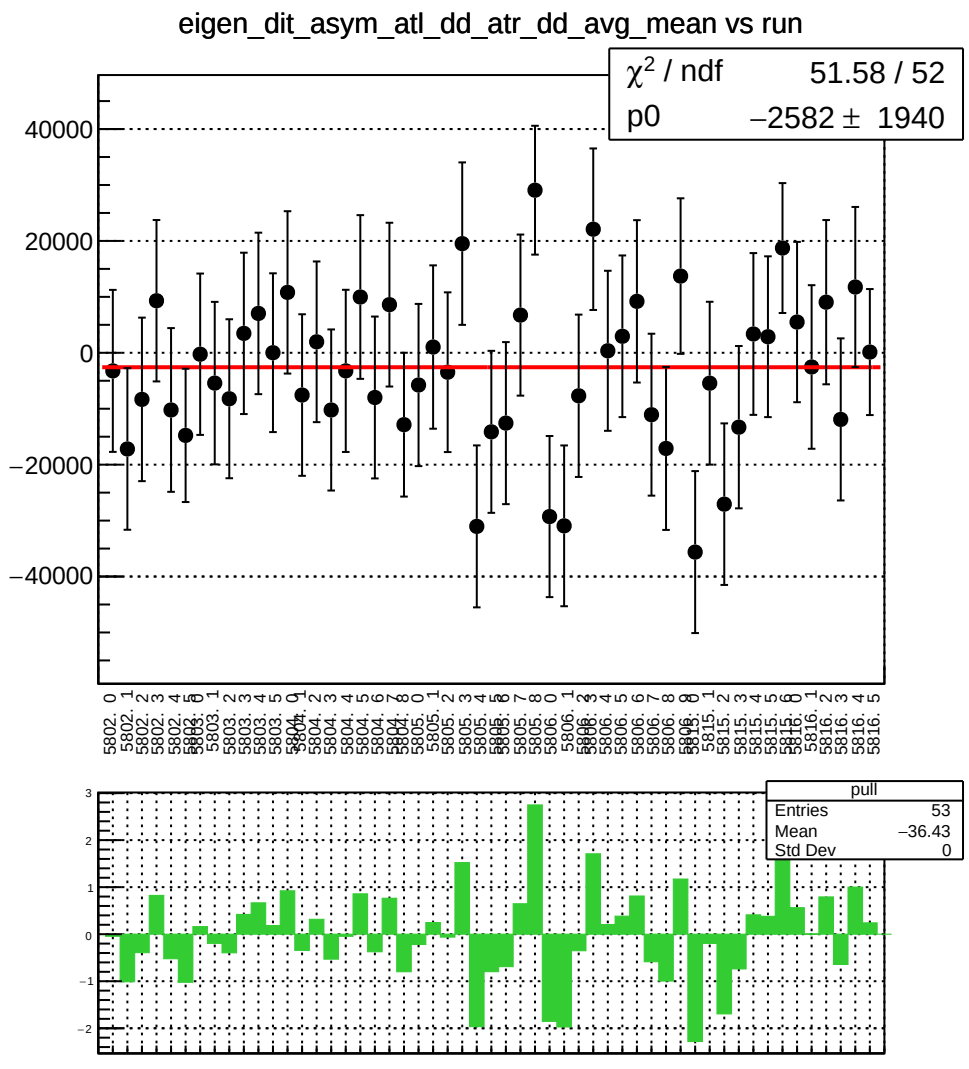

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

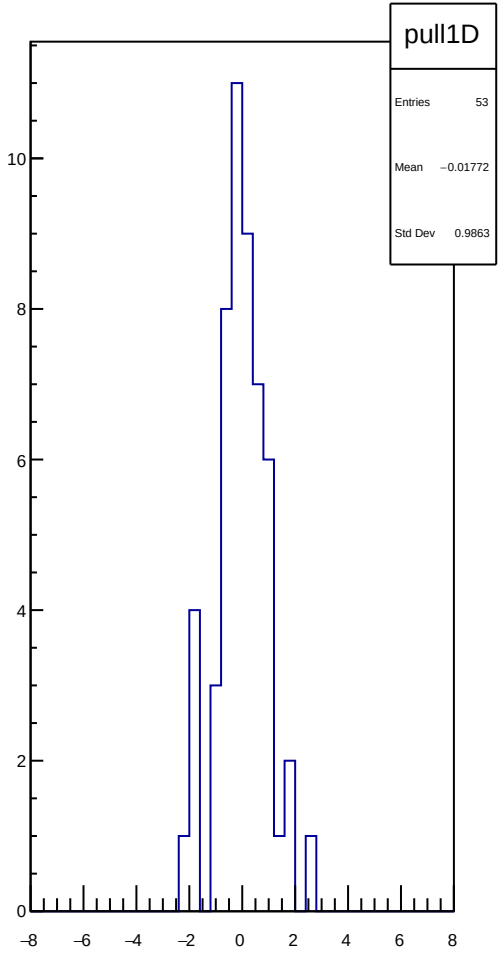

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

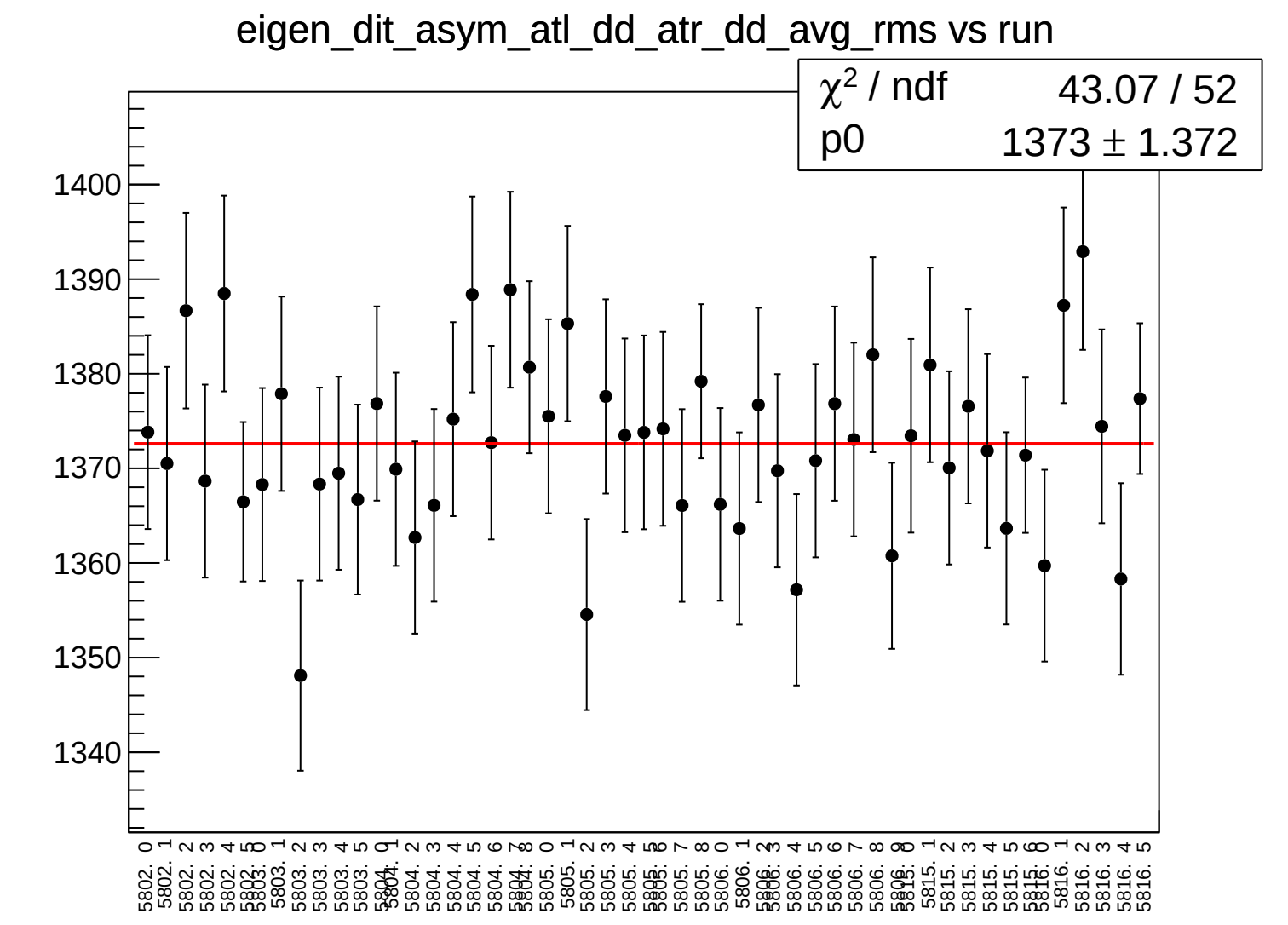

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

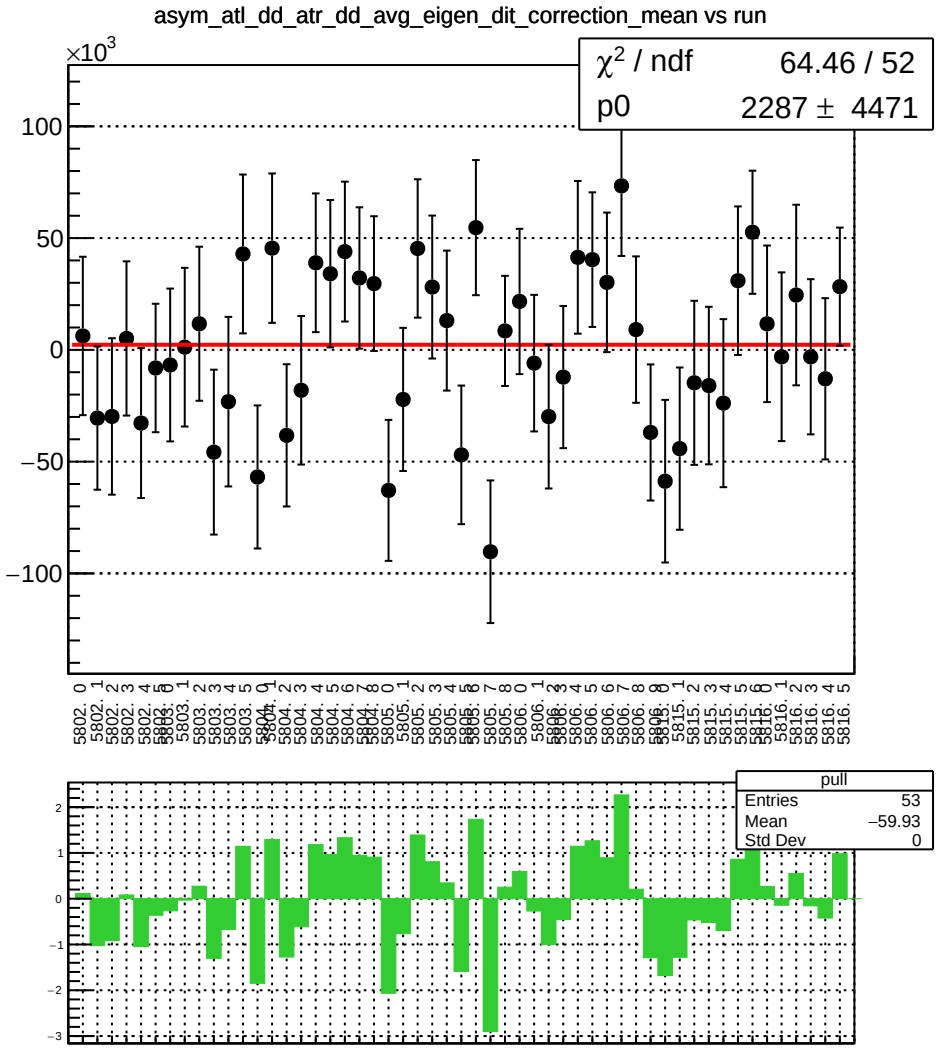

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

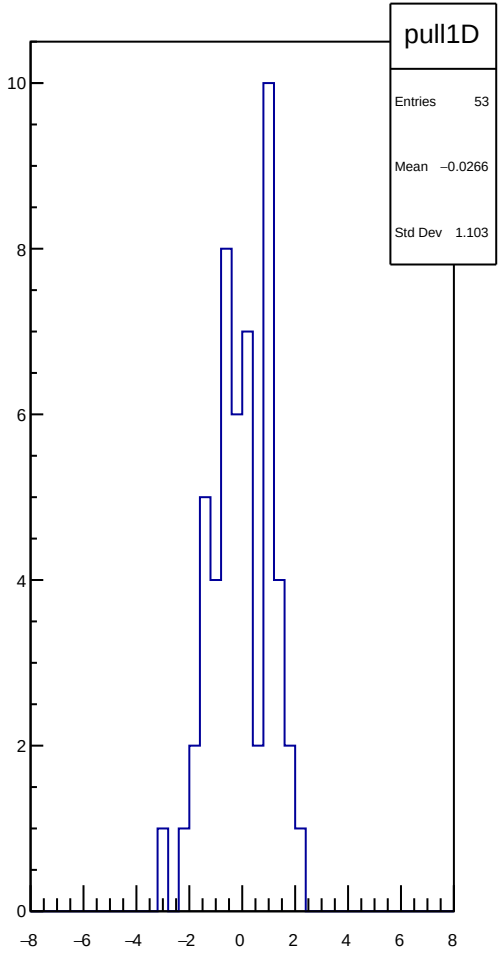

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

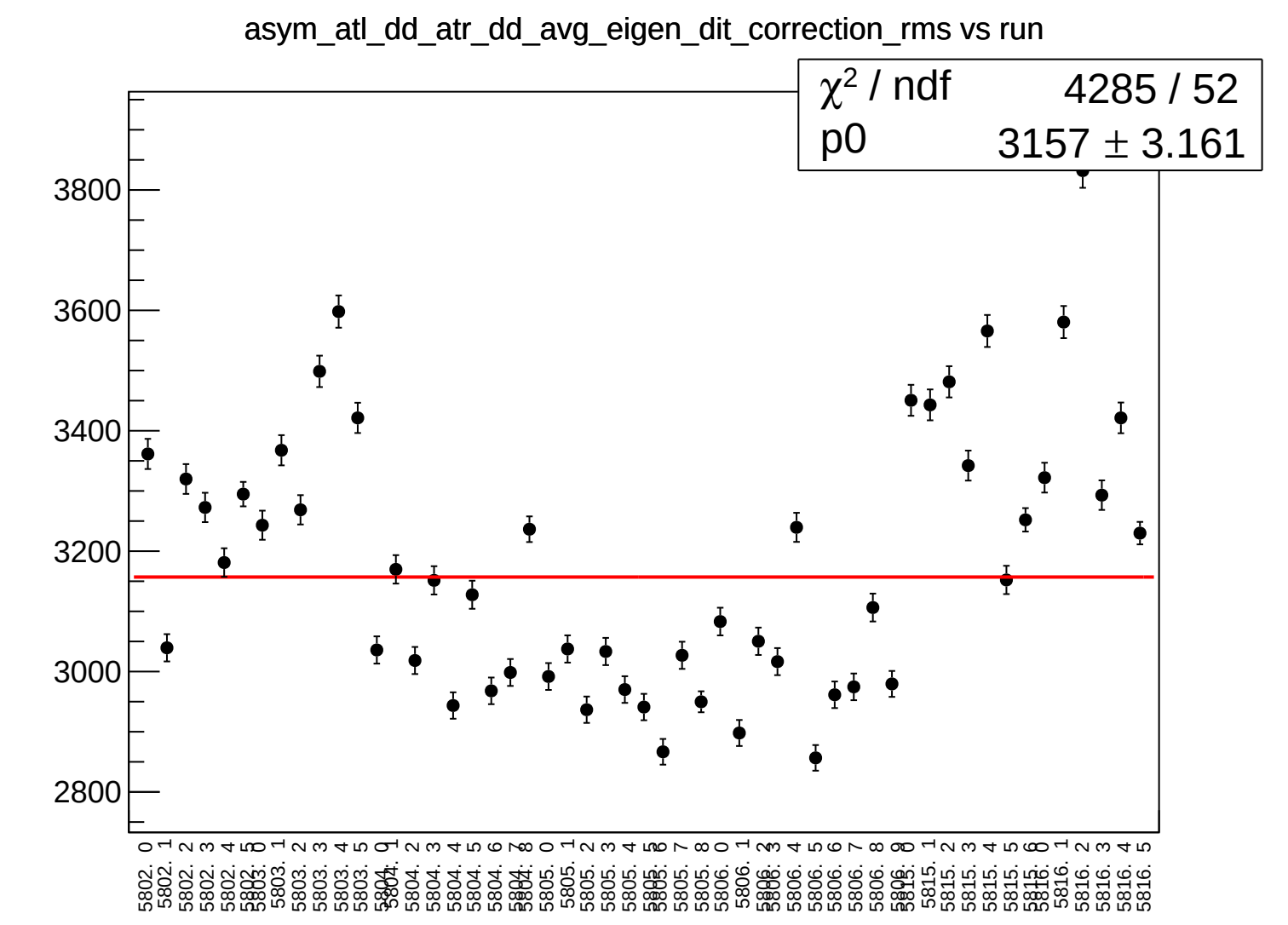

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0

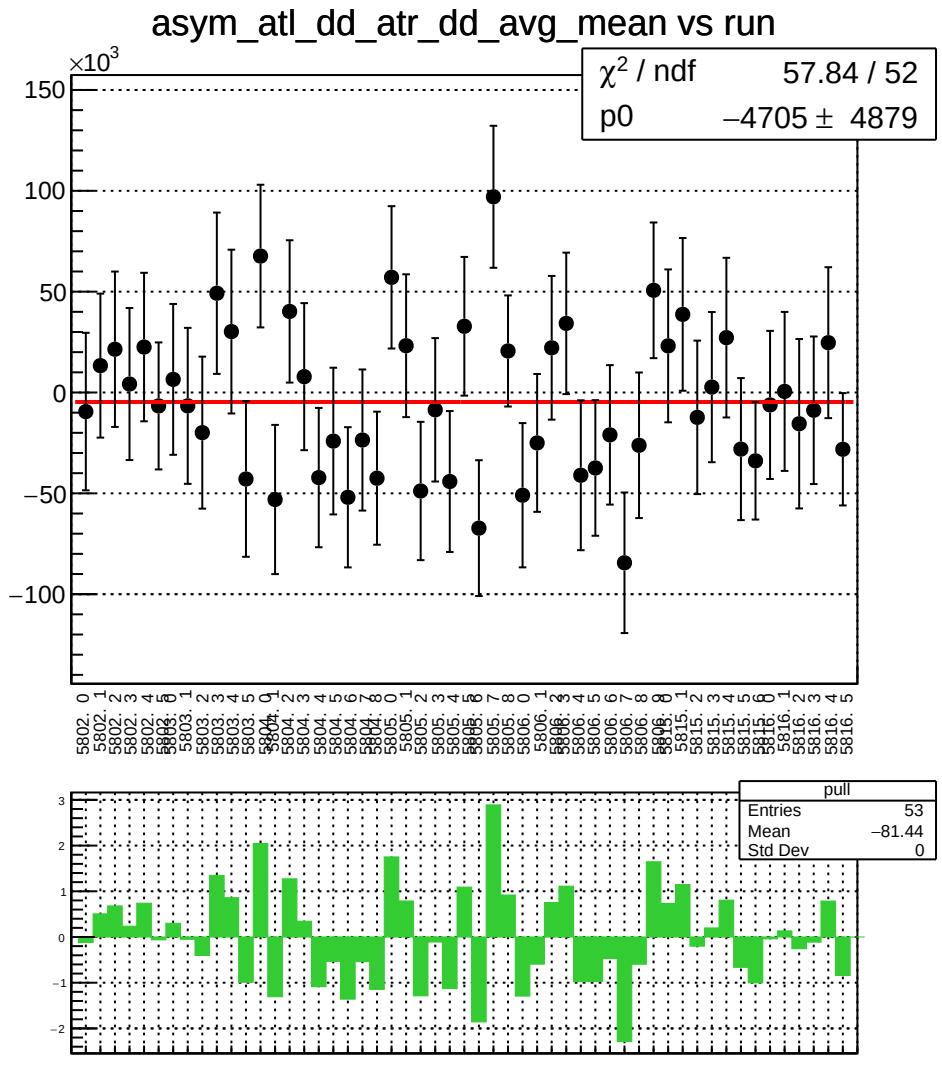

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

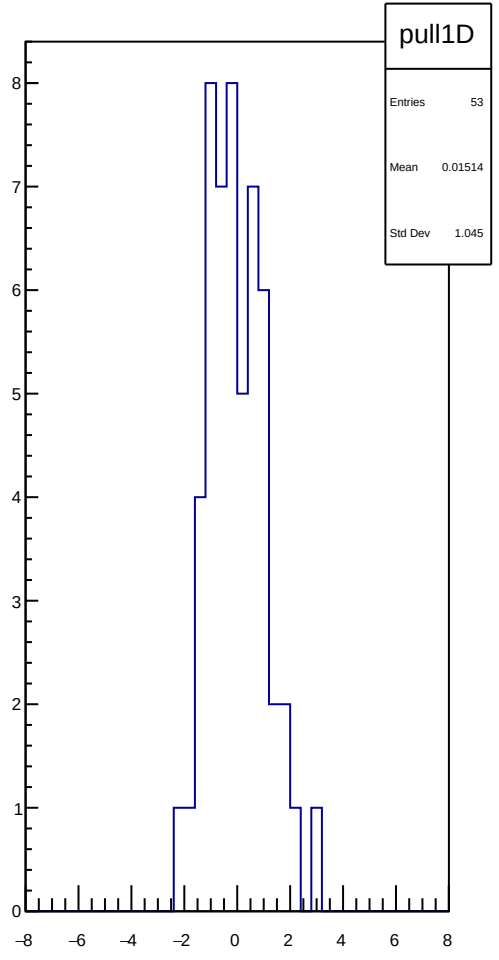

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

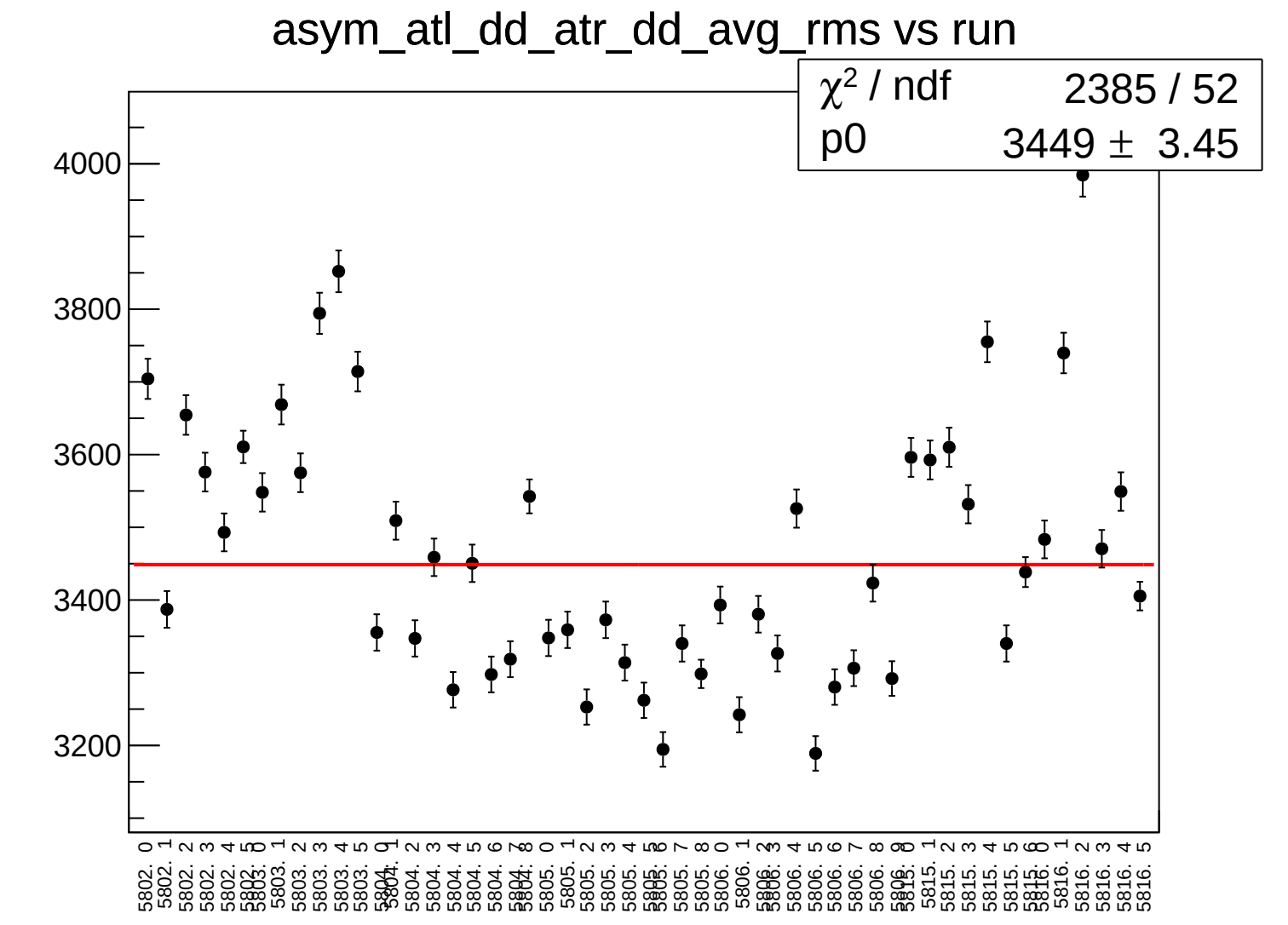

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

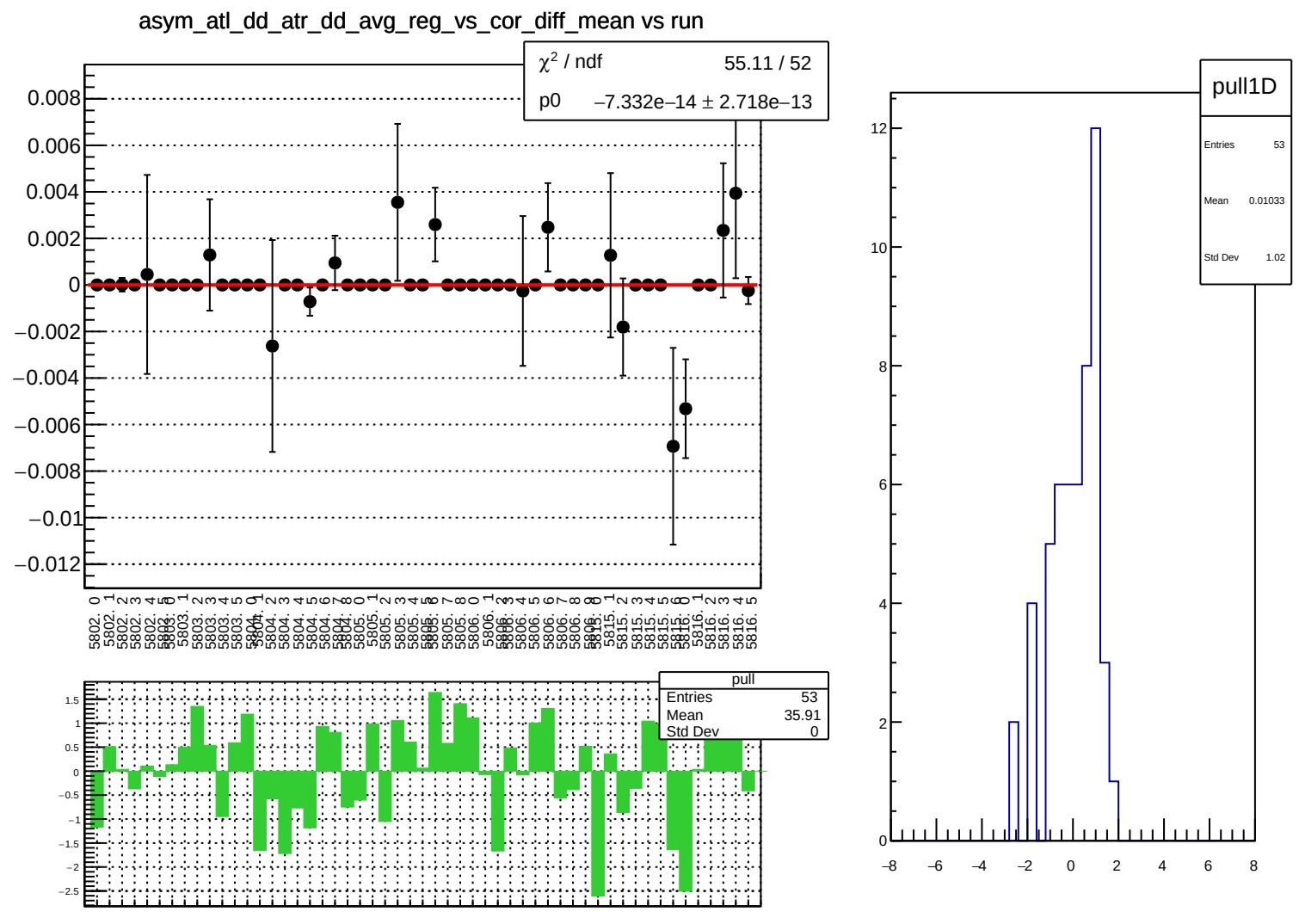

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

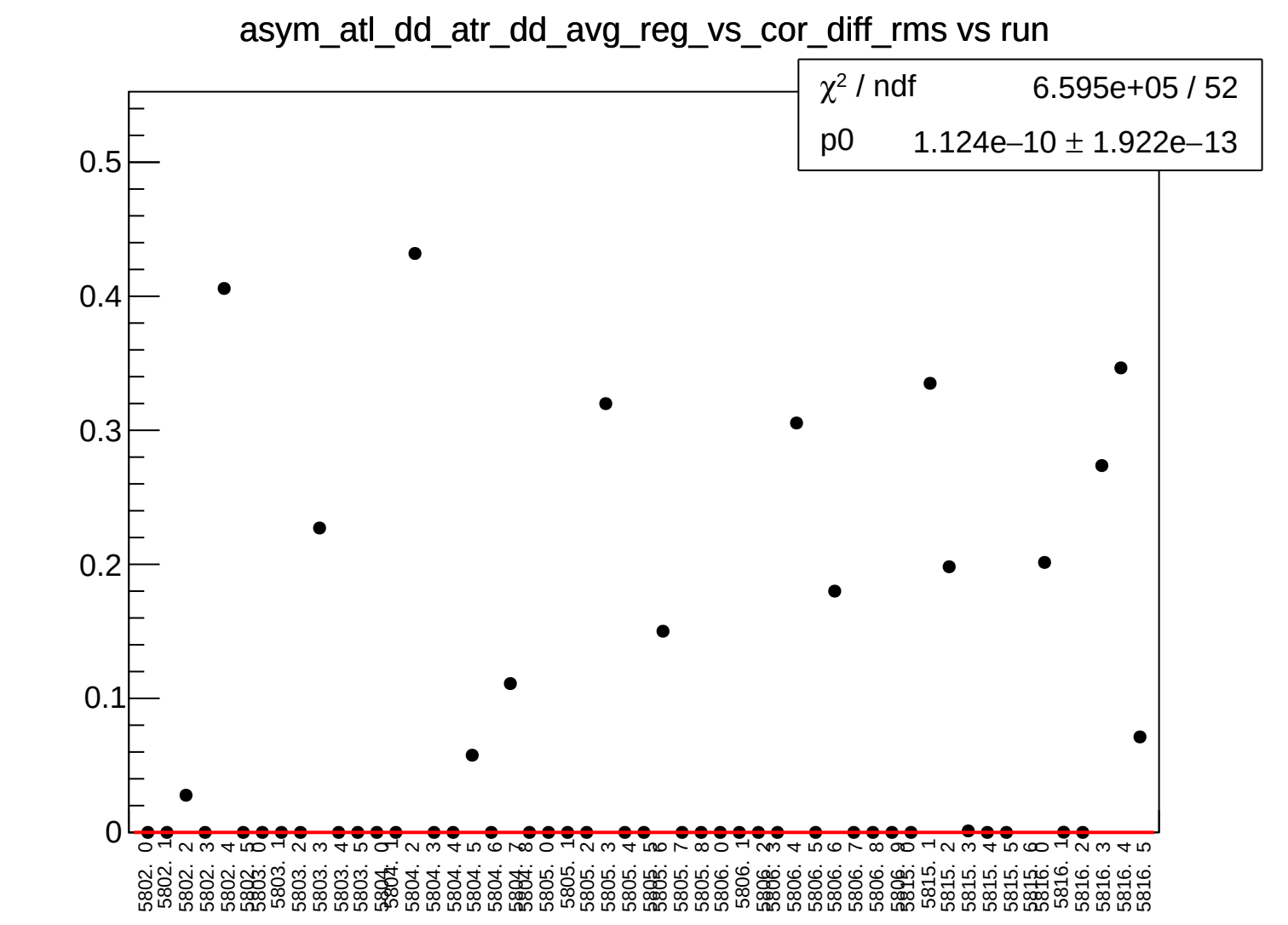

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

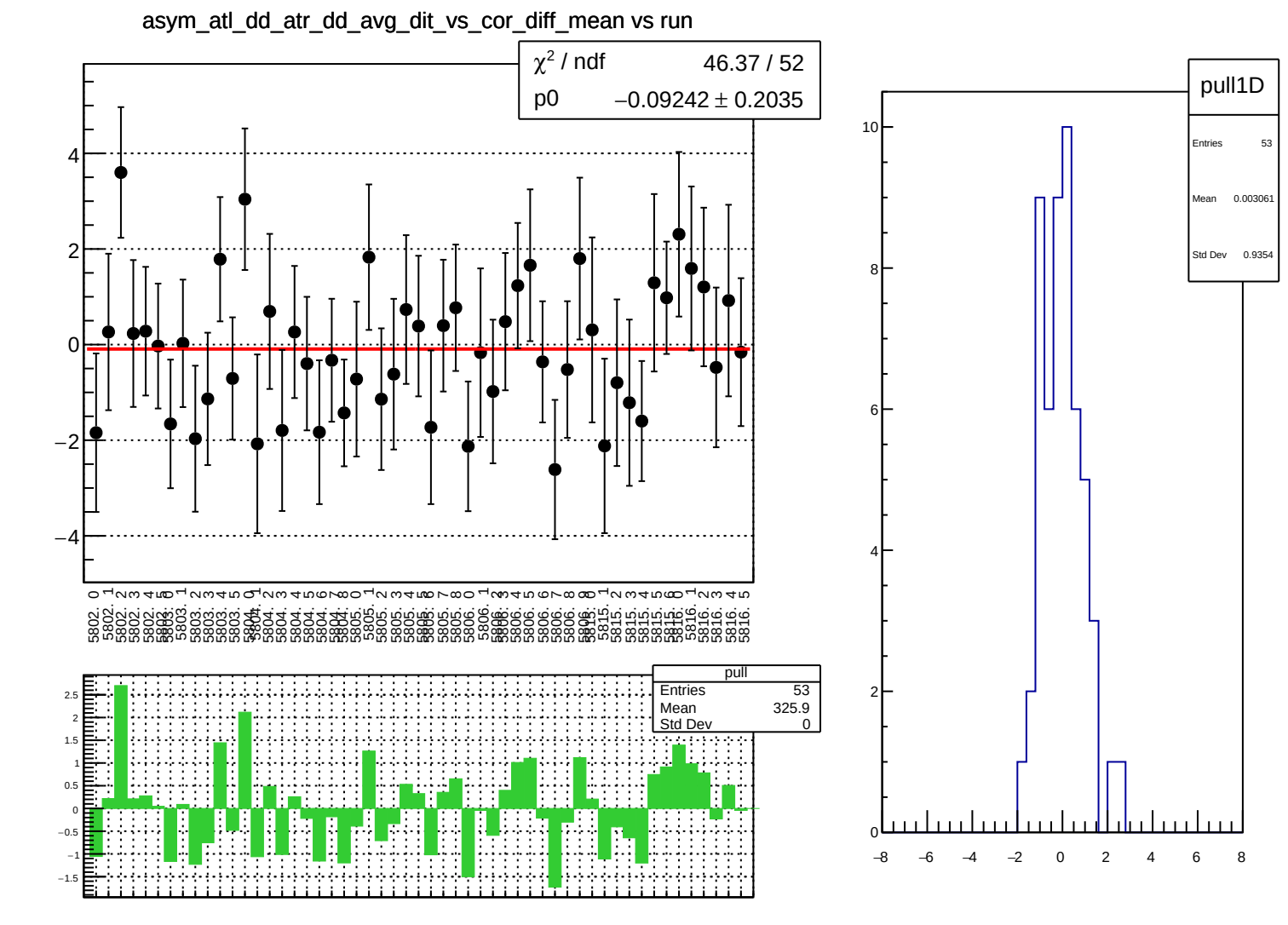

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 57.84 / 52
p0 −4705 ± 4879
150
100
50
0
−50
−100
pull
Entries 53
Mean −81.44
Std Dev 0
3
2
1
0
−1
−2

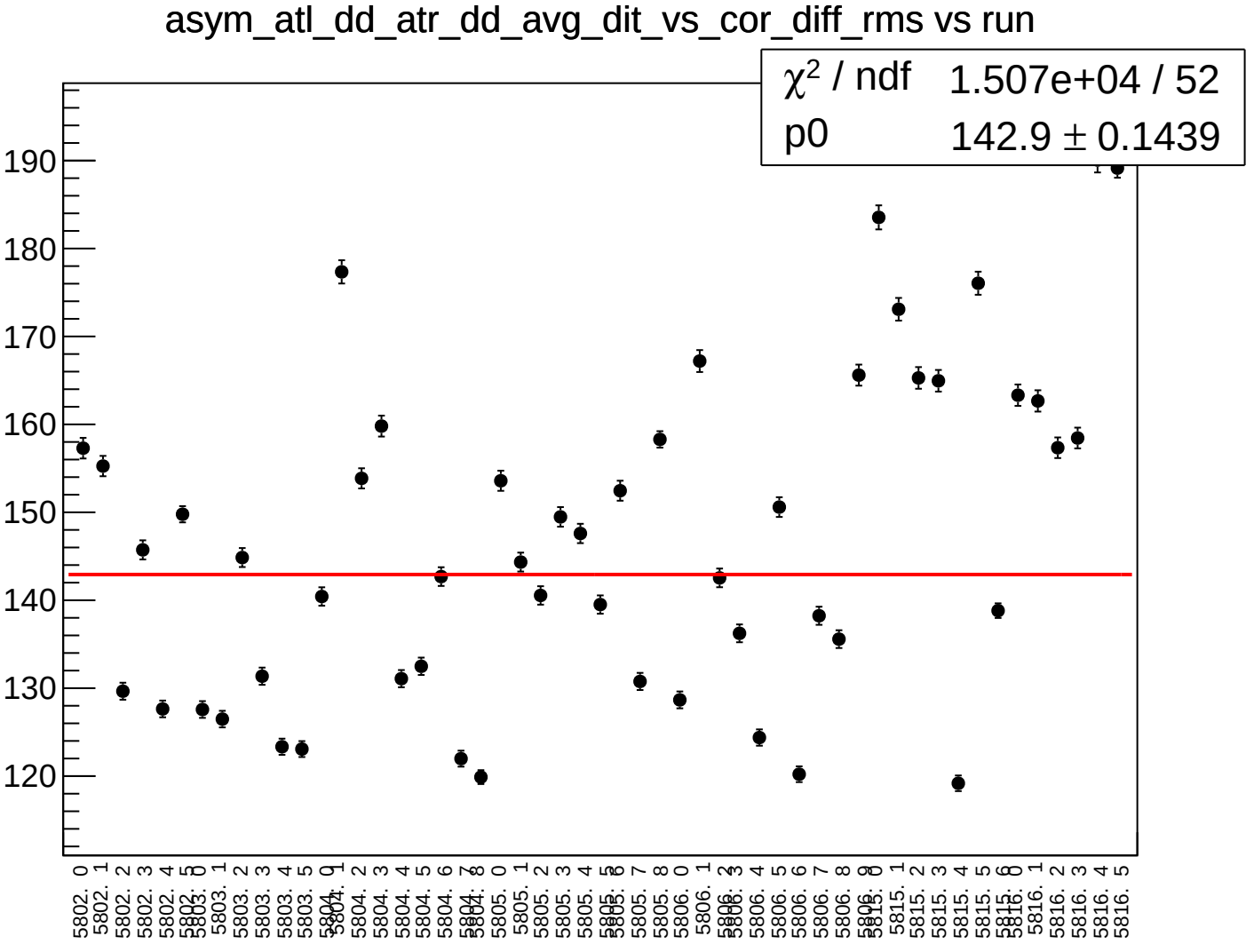

pull1D
Entries 53
Mean 0.01514
Std Dev 1.045
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2385 / 52
p0 3449 ± 3.45
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.11 / 52
p0 −7.332e−14 ± 2.718e−13
pull
Entries 53
Mean 35.91
Std Dev 0
pull1D
Entries 53
Mean 0.01033
Std Dev 1.02


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 52
p0 1.124e−10 ± 1.922e−13
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 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0
pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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5815. 3
5815. 4
5815. 5
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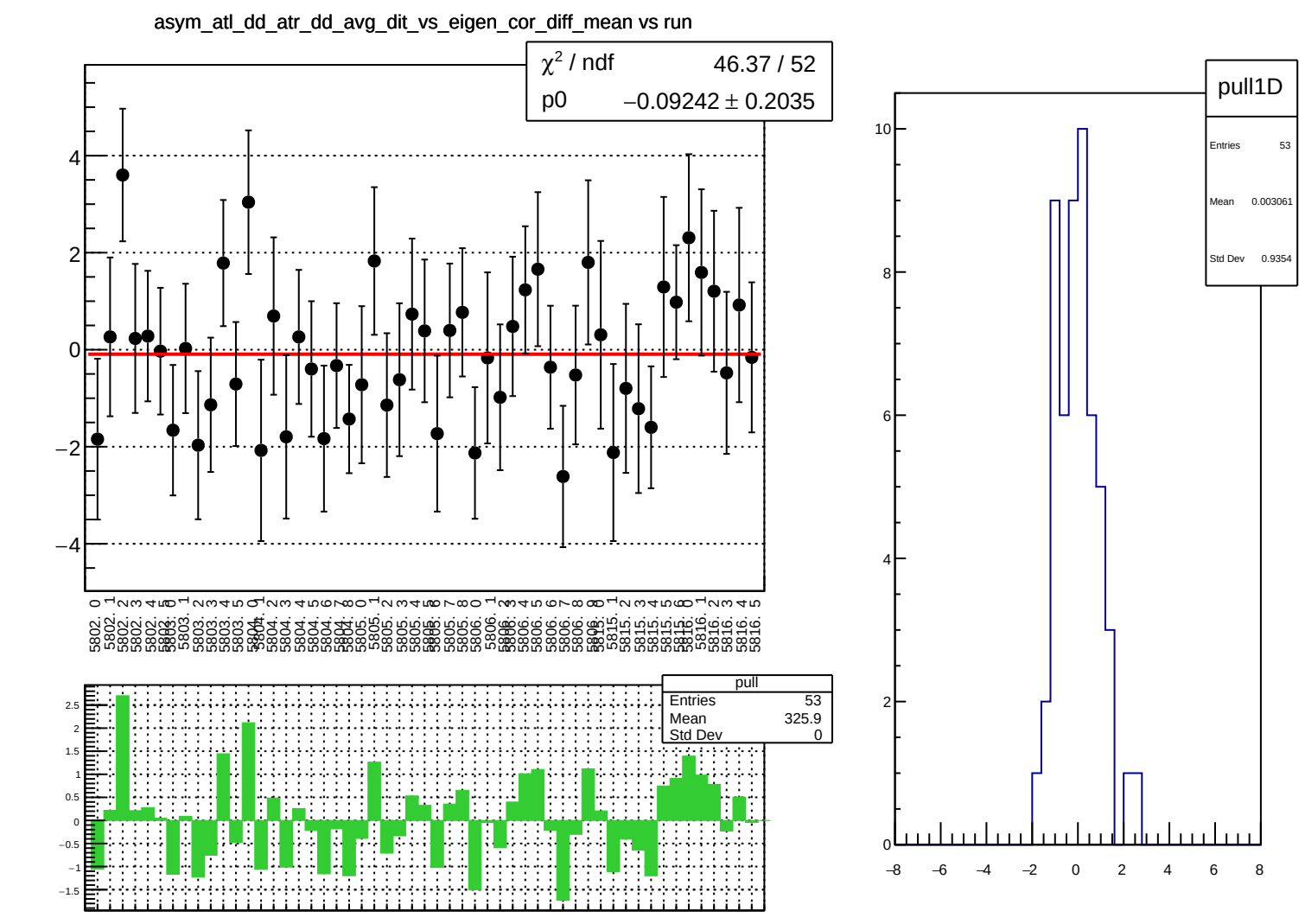
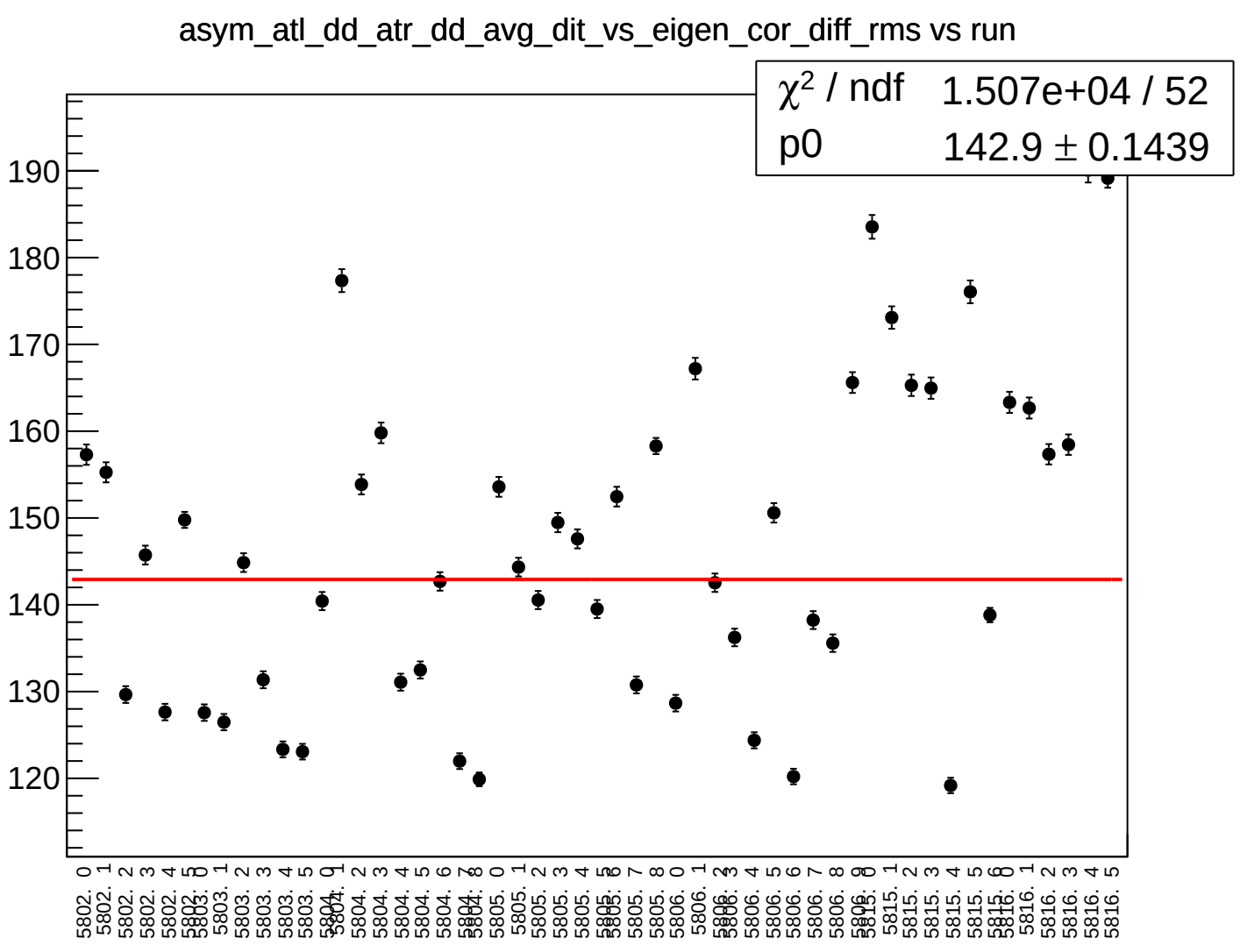
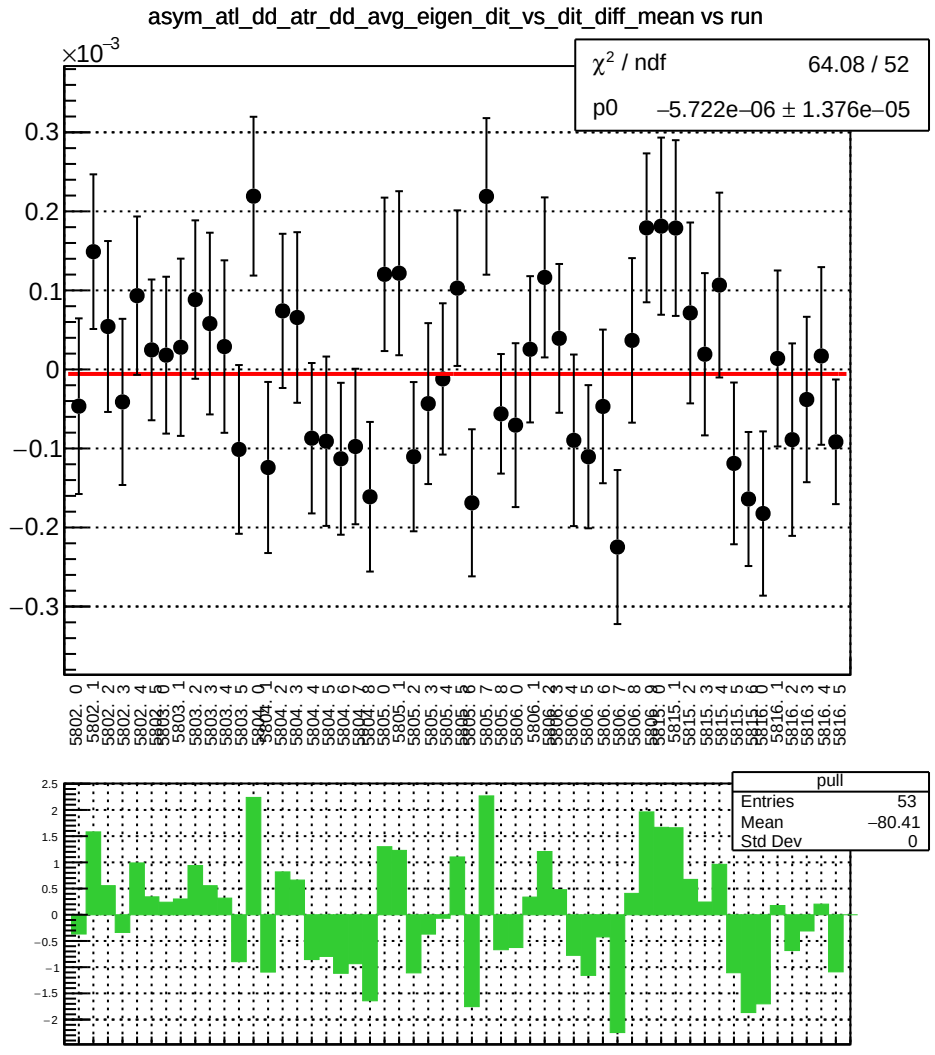
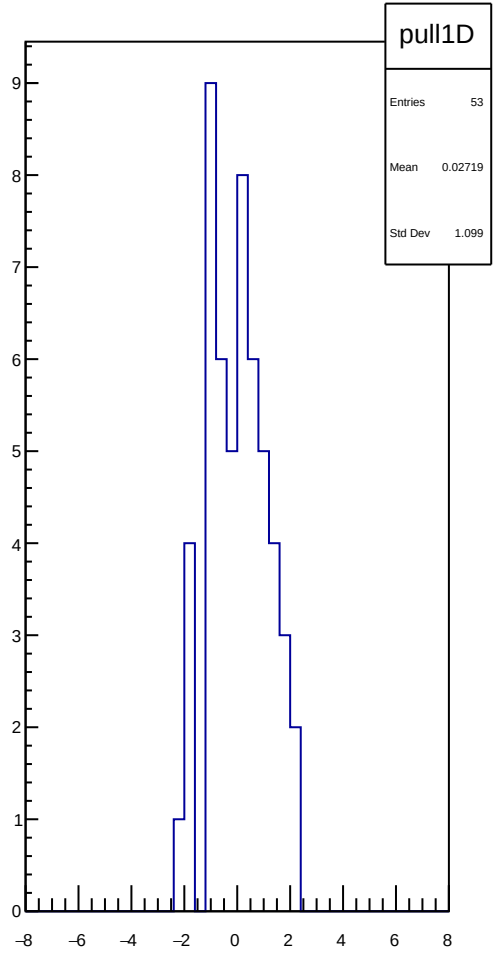
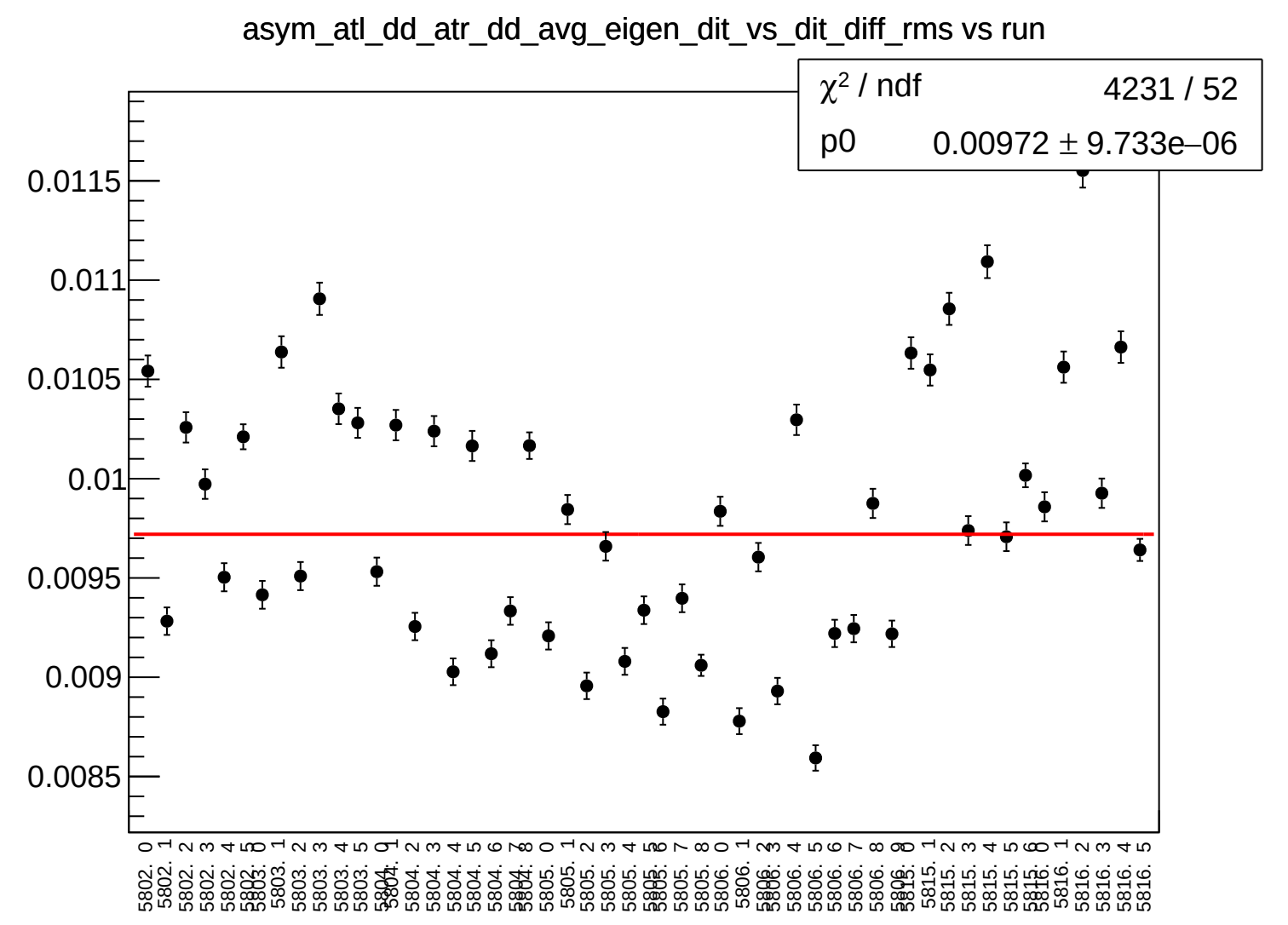
5816. 2
5816. 3
5816. 4
5816. 5

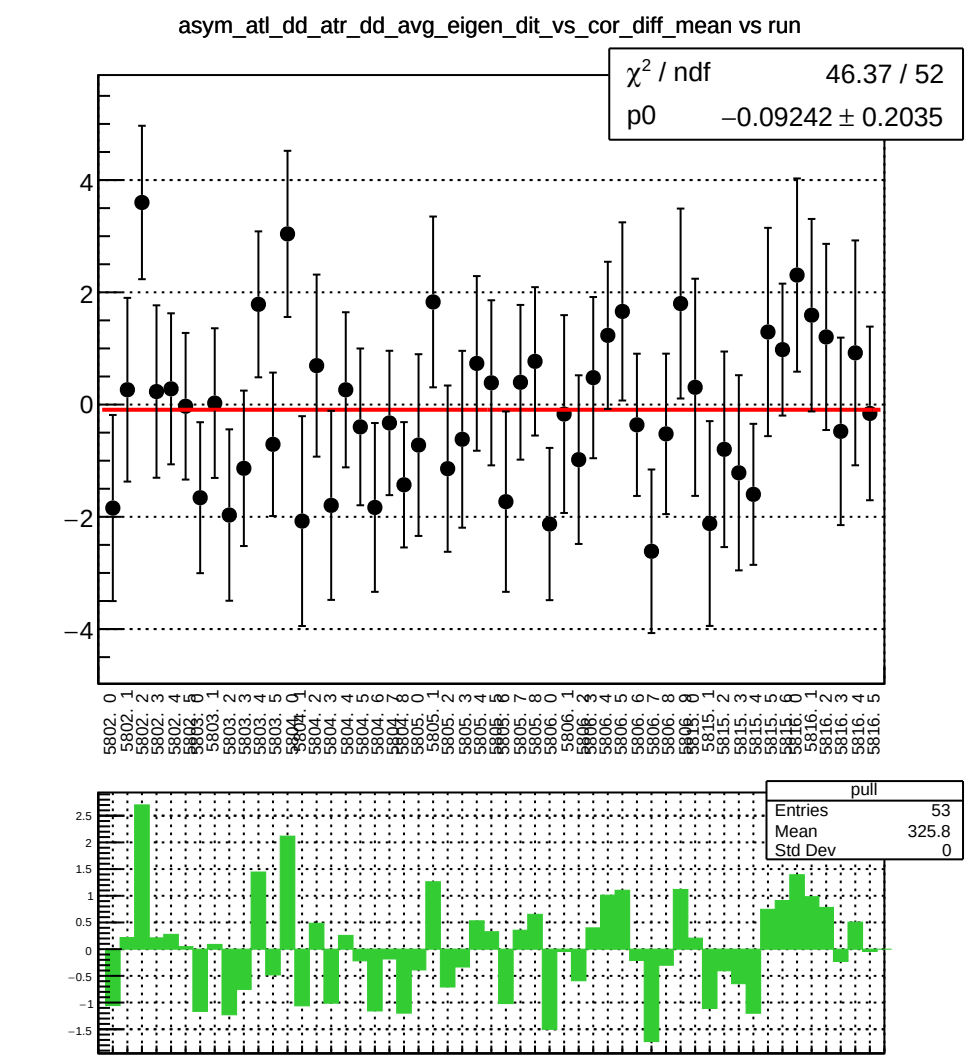

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0
pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

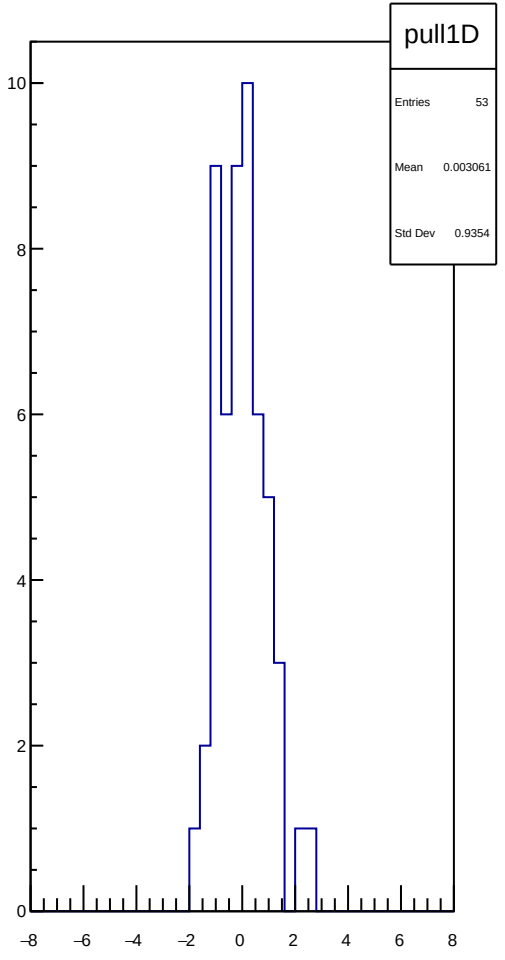

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

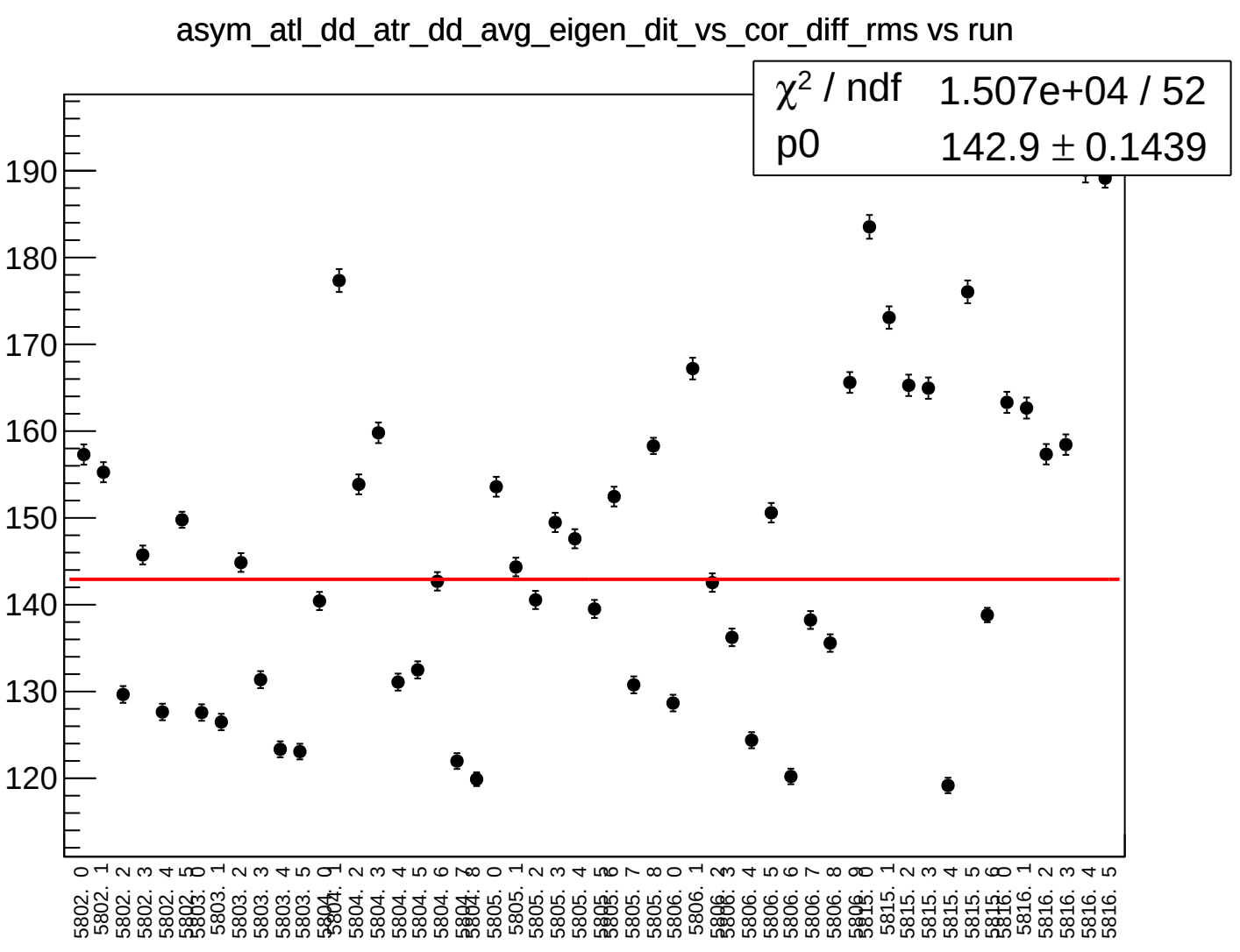

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.08 / 52
p0 −5.722e−06 ± 1.376e−05
pull
Entries 53
Mean −80.41
Std Dev 0


pull1D
Entries 53
Mean 0.02719
Std Dev 1.099


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4231 / 52
p0 0.00972 ± 9.733e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0


pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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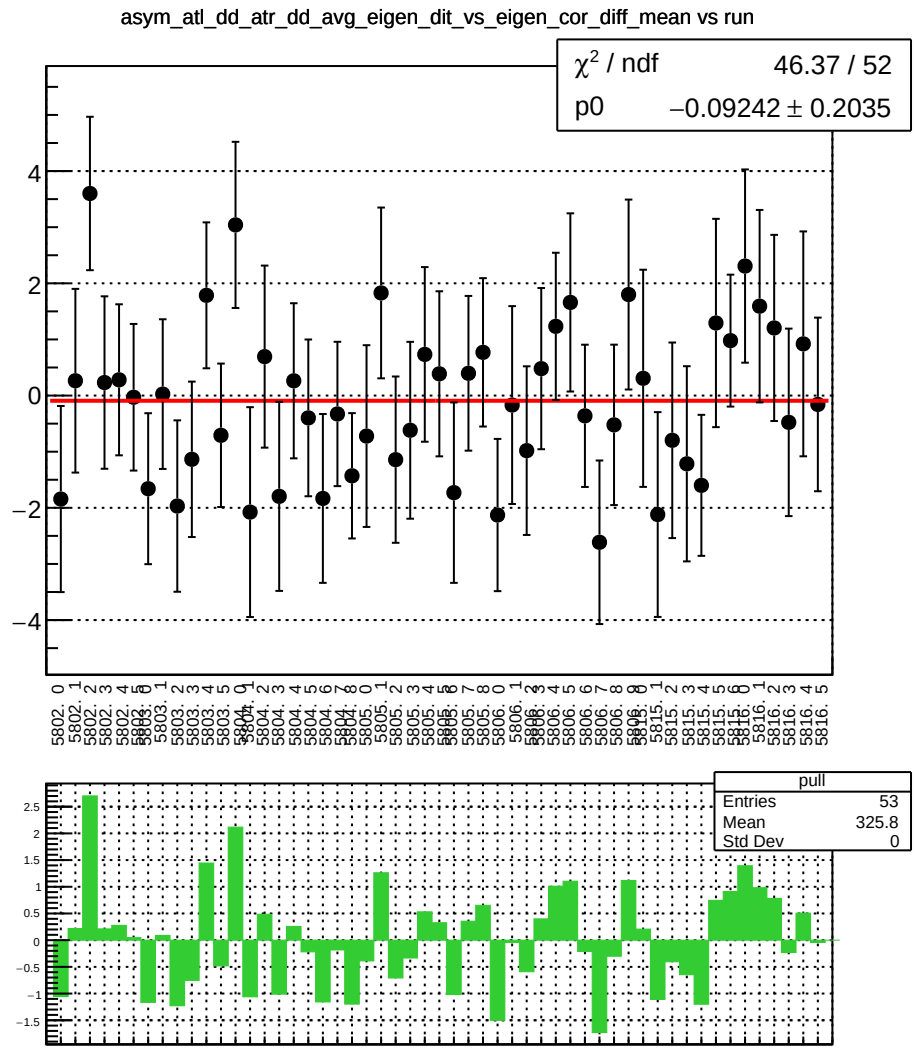
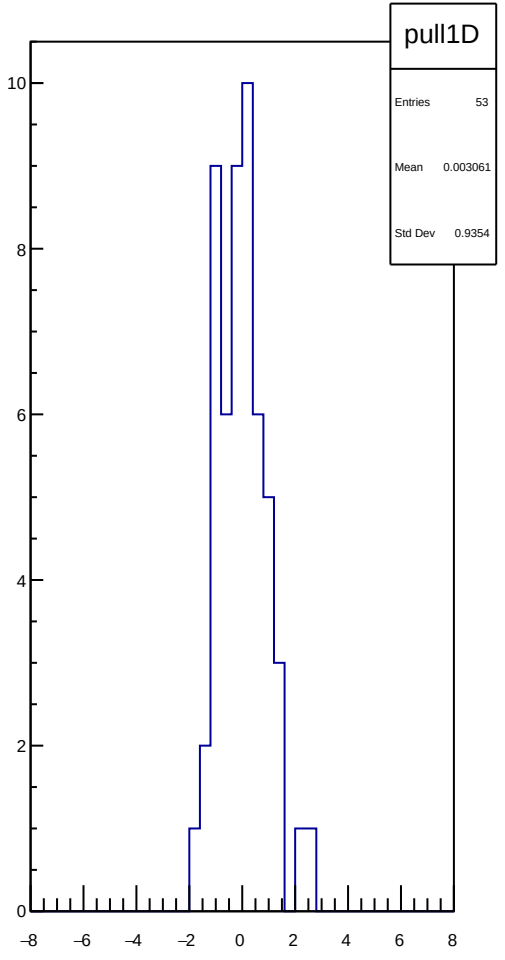
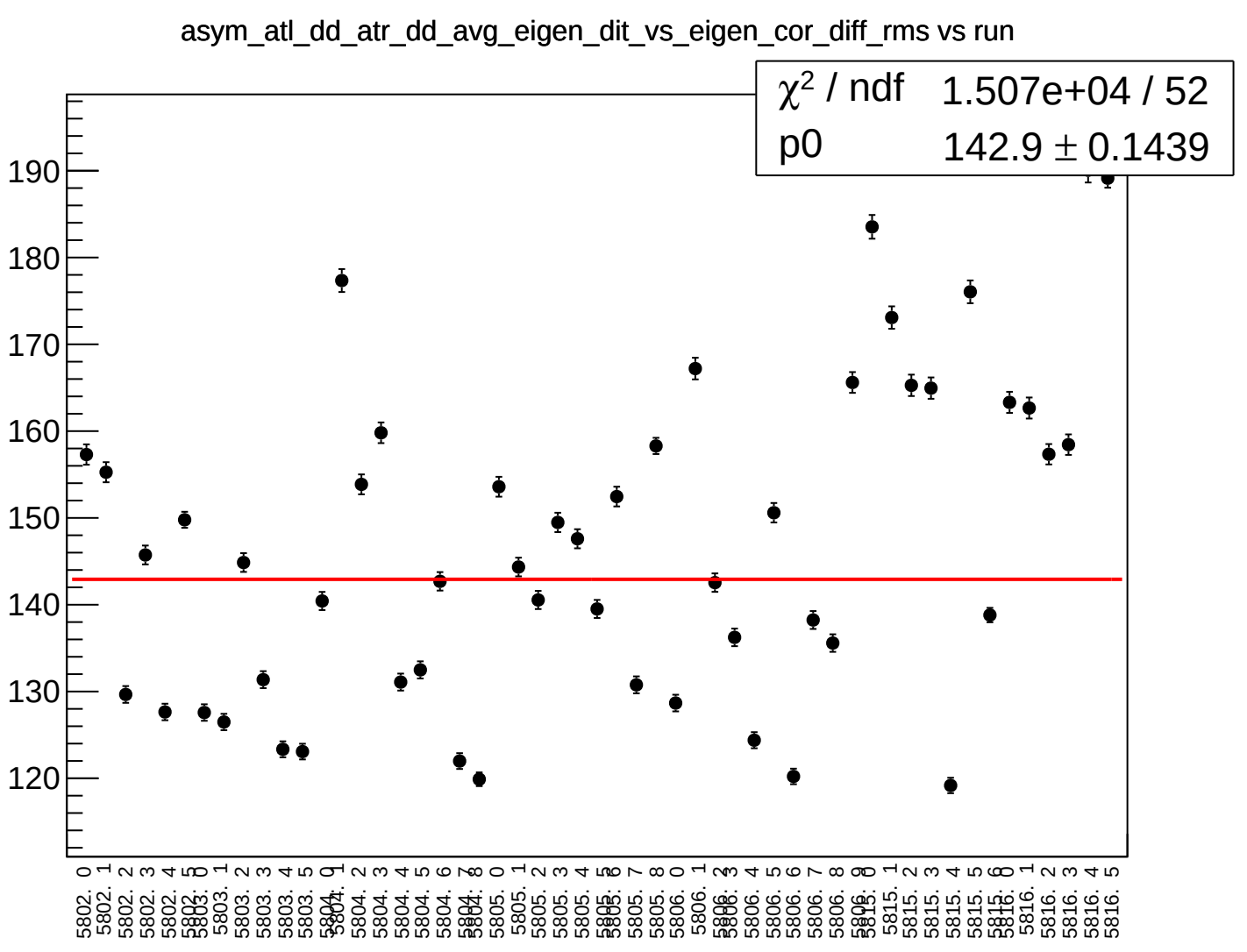
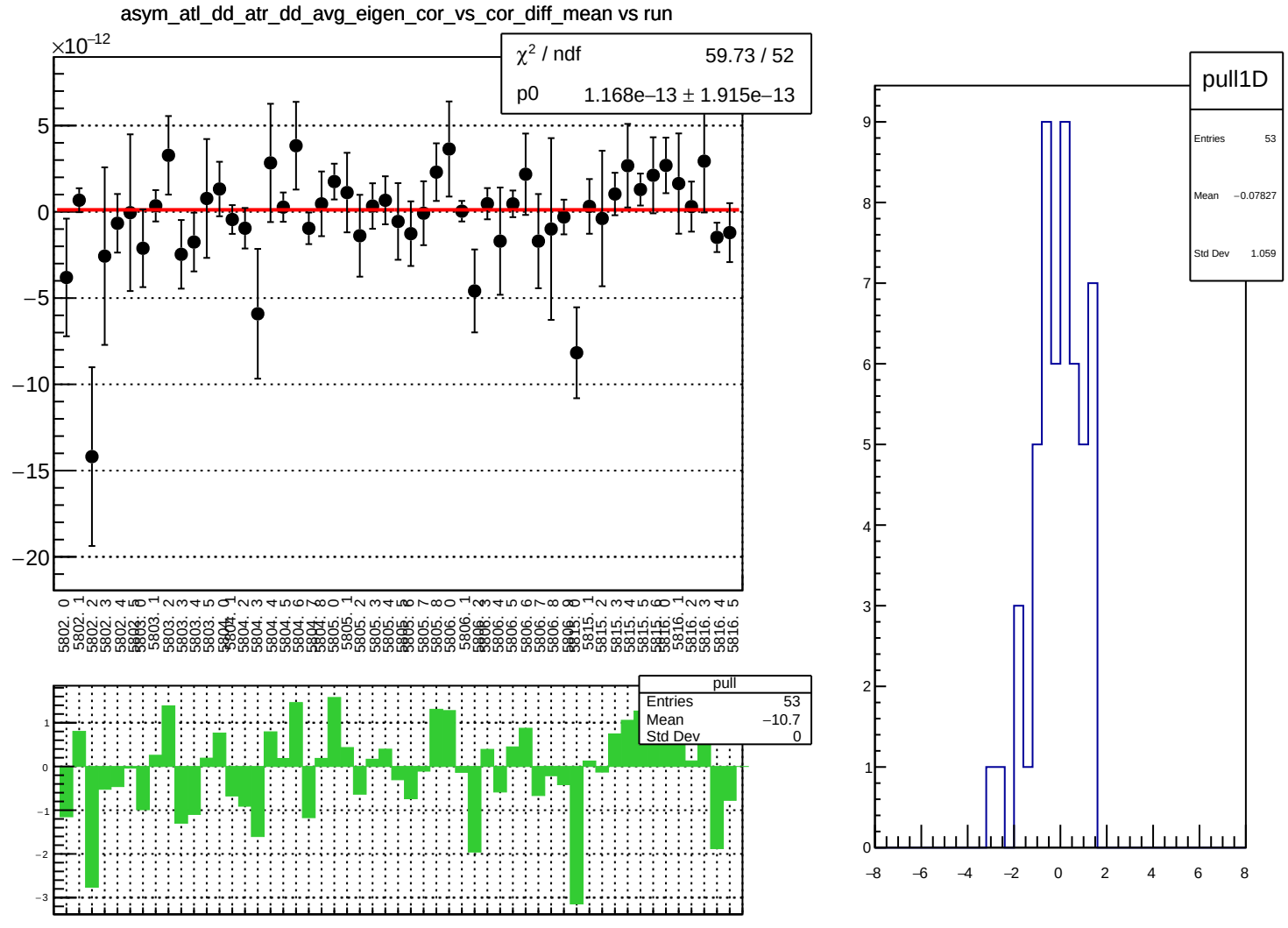
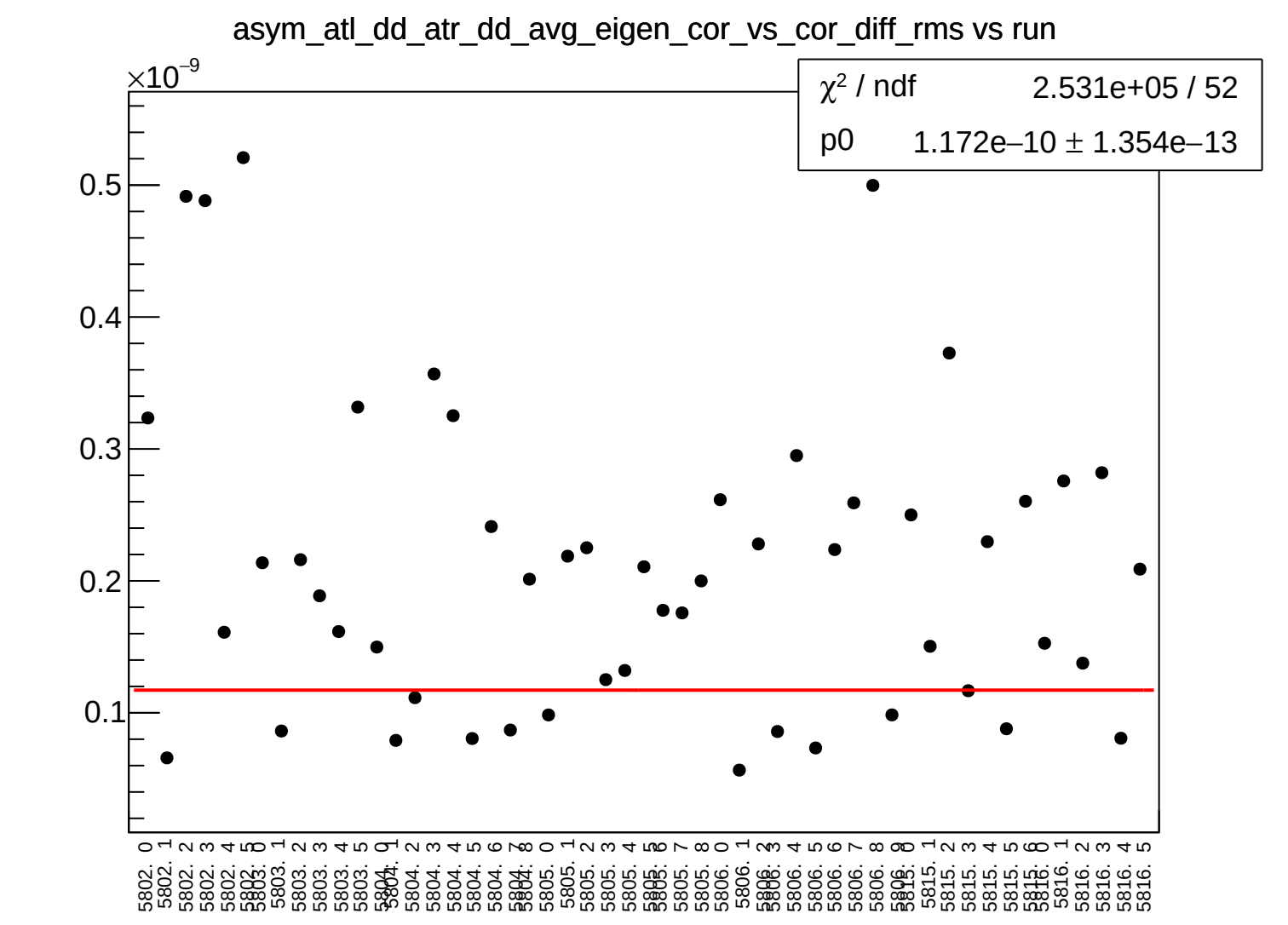
5816. 2
5816. 3
5816. 4
5816. 5

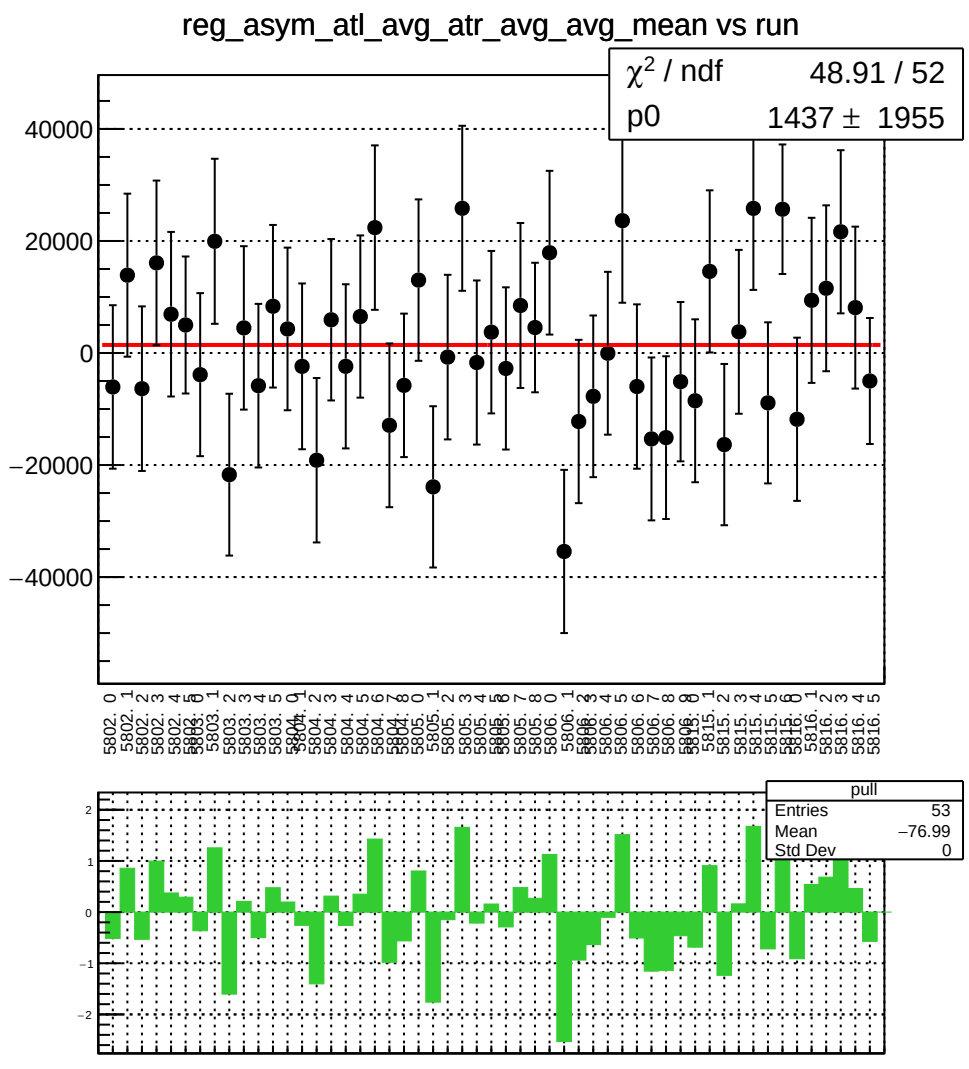

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0

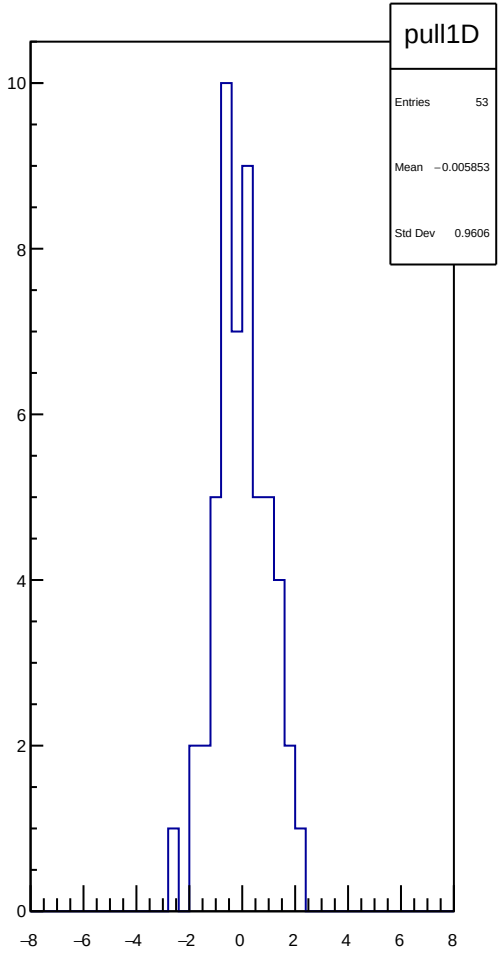

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

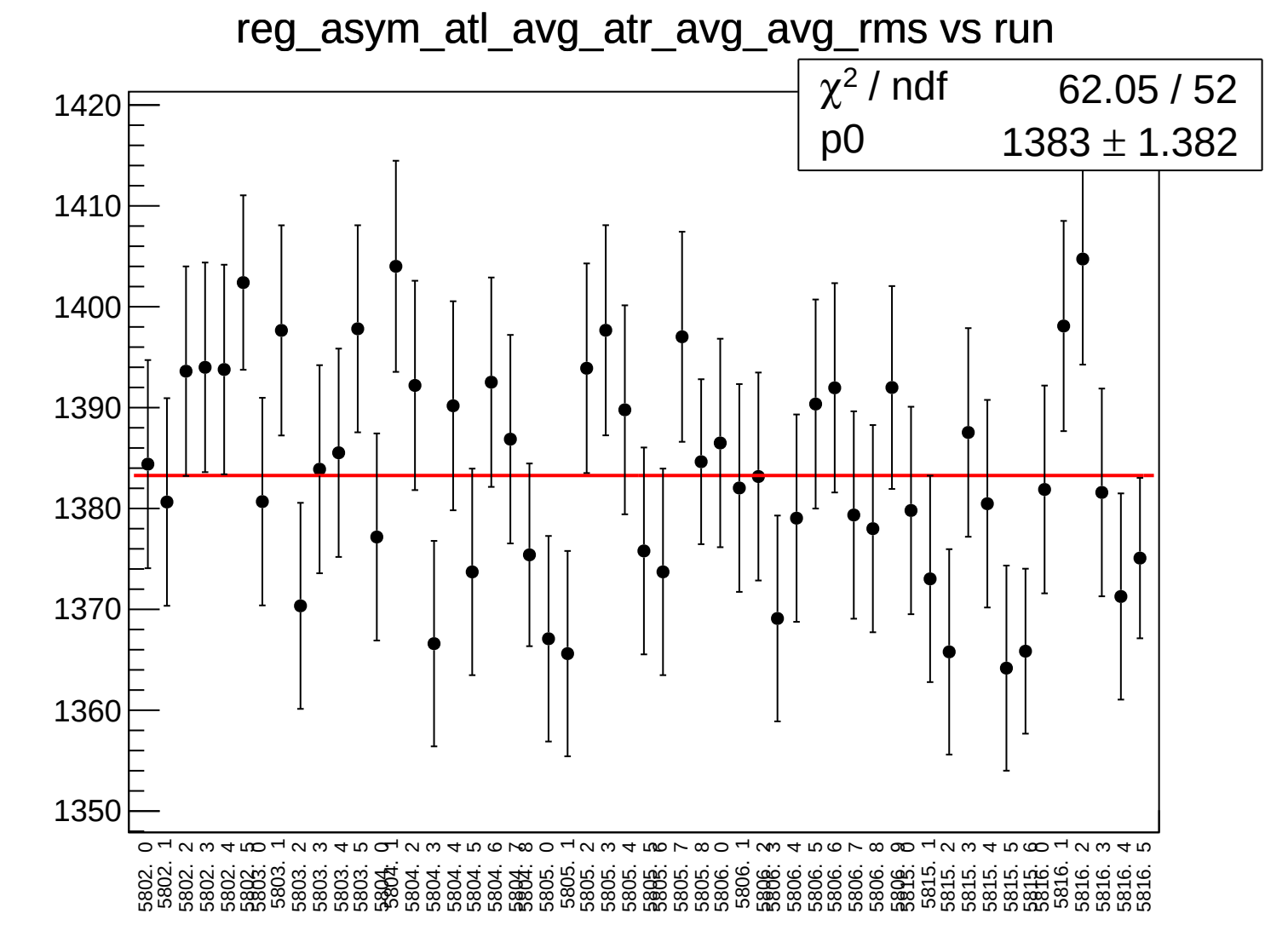

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

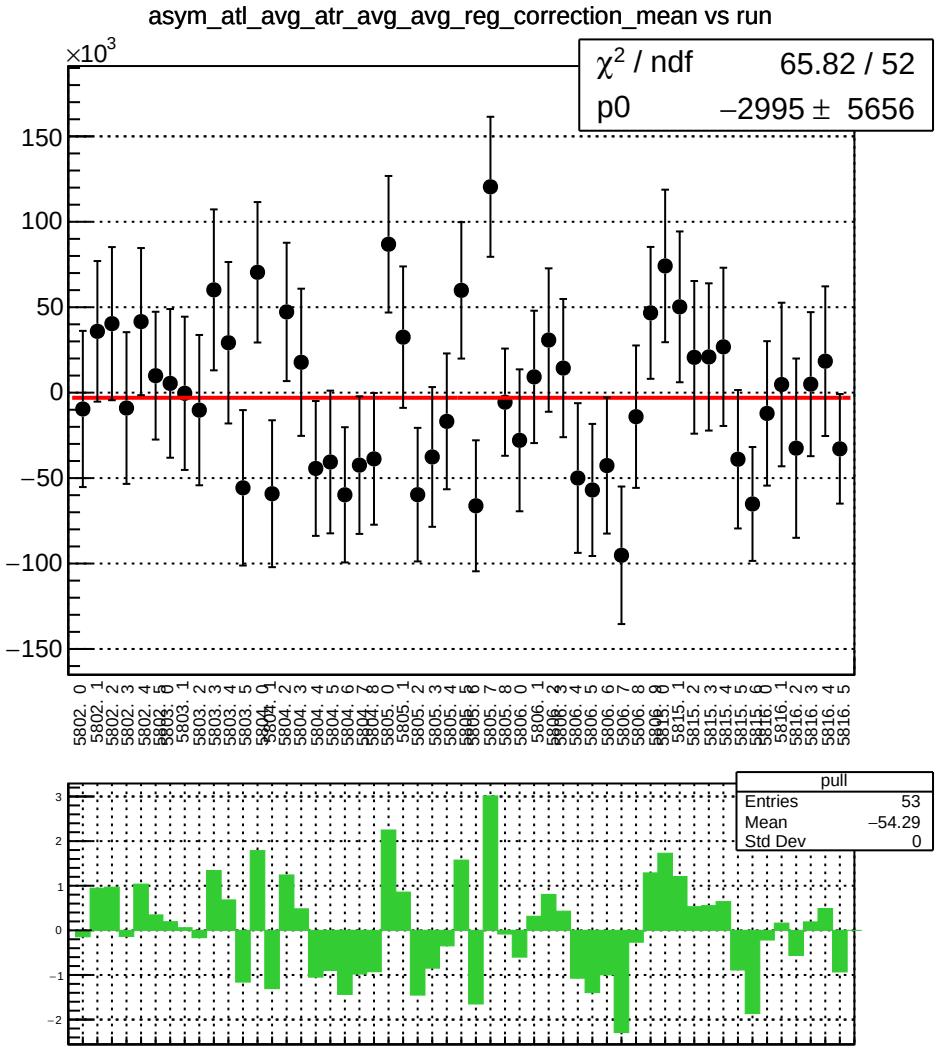

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 59.73 / 52
p0 1.168e−13 ± 1.915e−13
pull
Entries 53
Mean −10.7
Std Dev 0
pull1D
Entries 53
Mean −0.07827
Std Dev 1.059

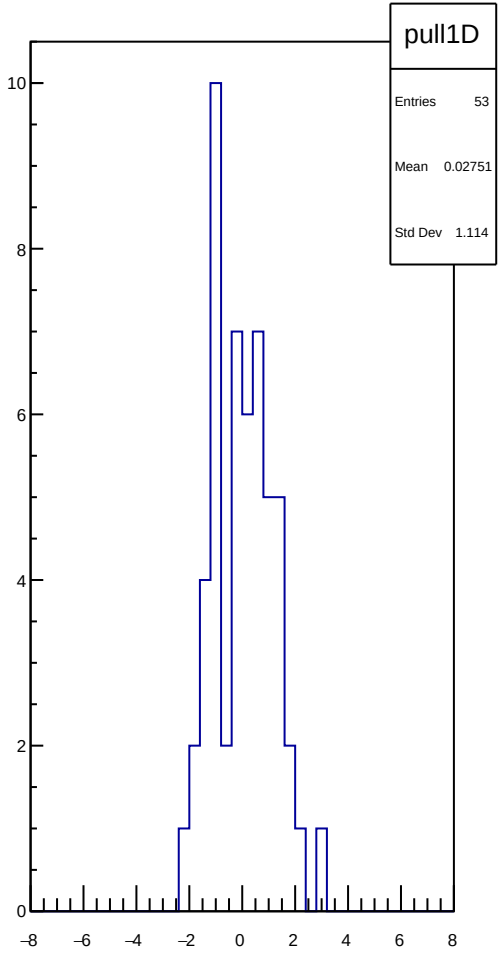

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.531e+05 / 52
p0 1.172e−10 ± 1.354e−13
0.5
0.4
0.3
0.2
0.1

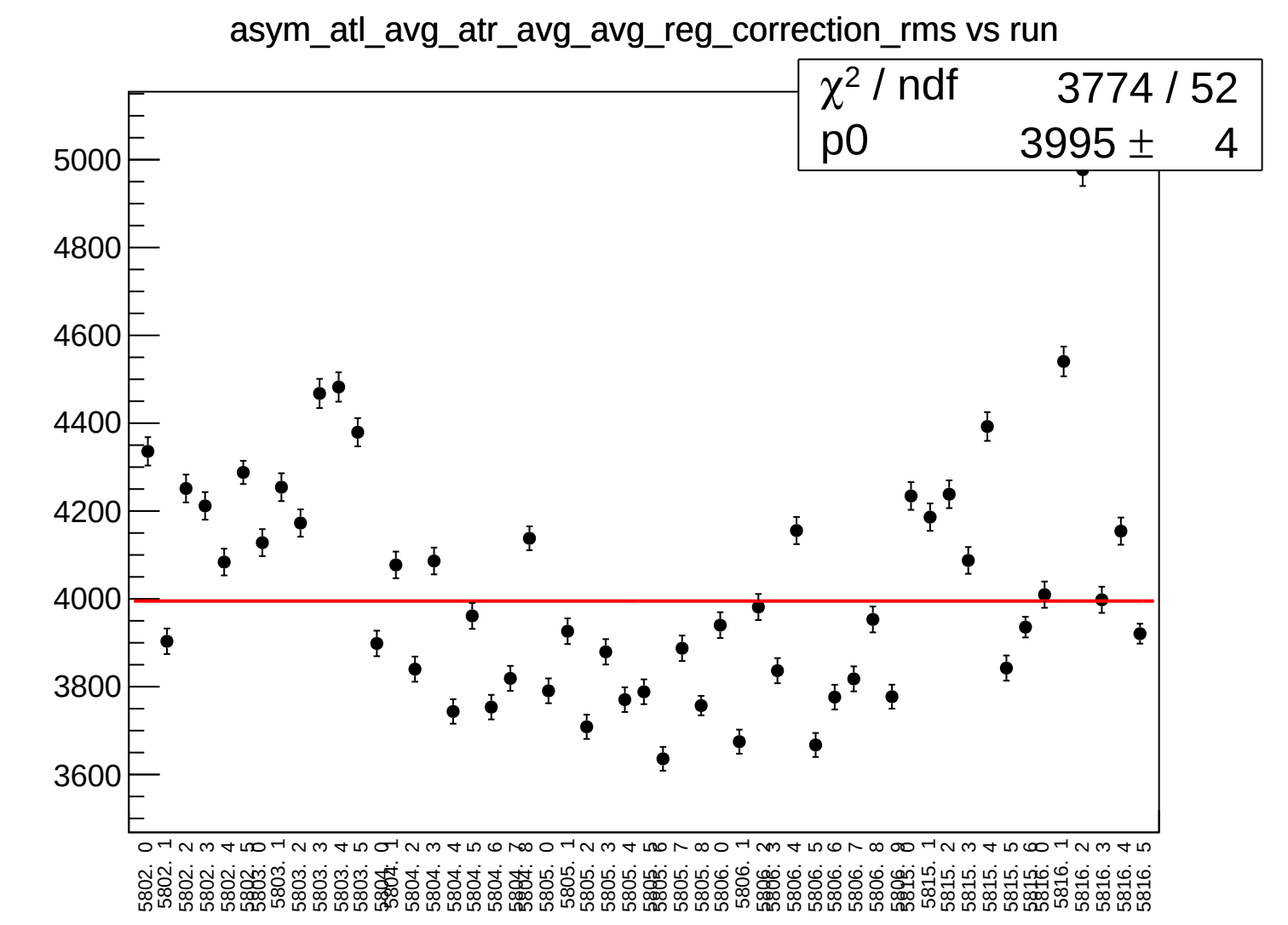

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 48.91 / 52
p0 1437 ± 1955
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −76.99
Std Dev 0
2
1
0
−1
−2

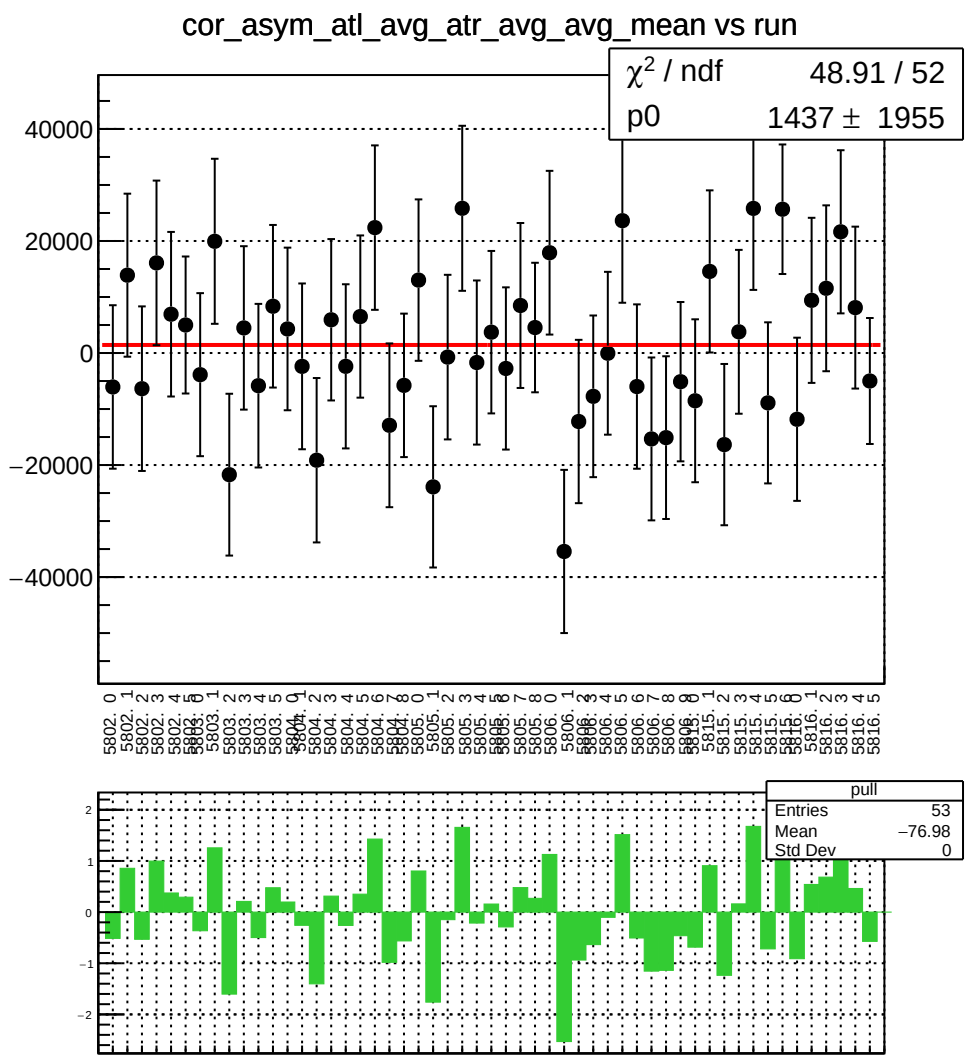

pull1D
Entries 53
Mean −0.005853
Std Dev 0.9606
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

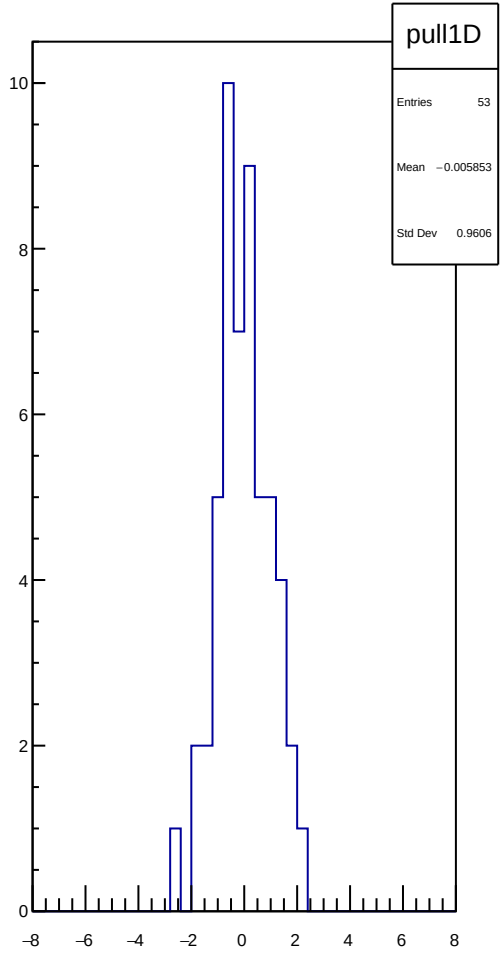

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.05 / 52
p0 1383 ± 1.382
1420
1410
1400
1390
1380
1370
1360
1350
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

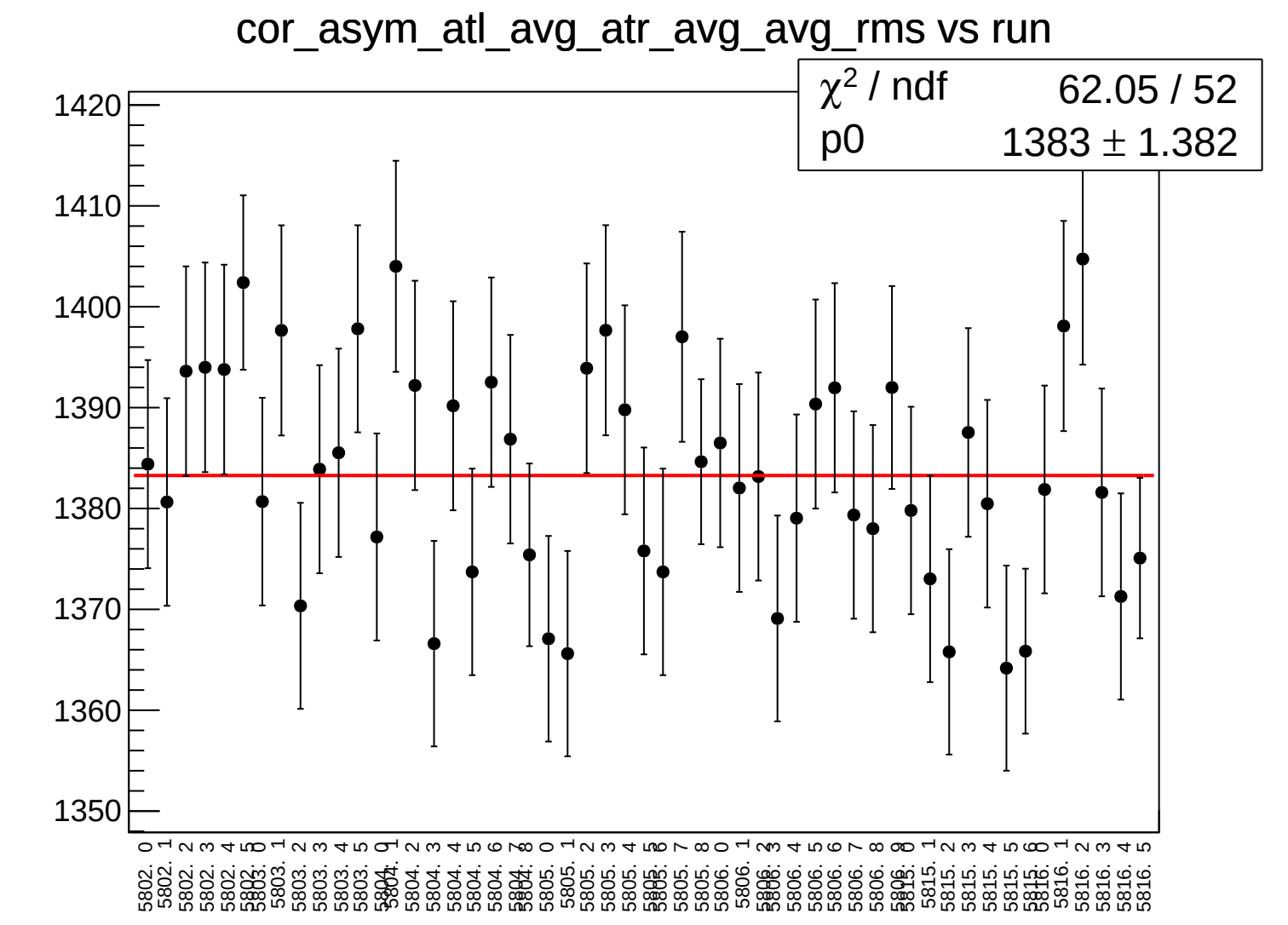

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.82 / 52
p0 −2995 ± 5656
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −54.29
Std Dev 0
3
2
1
0
−1
−2

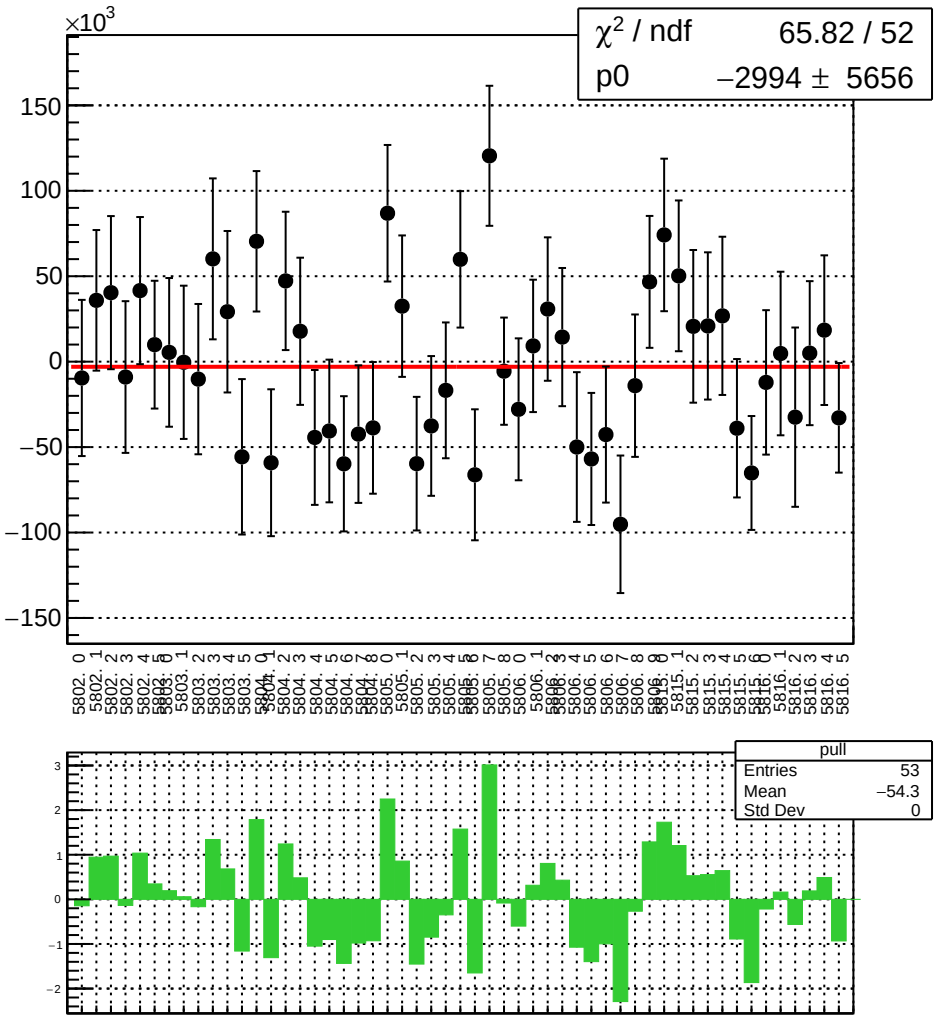

pull1D
Entries 53
Mean 0.02751
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

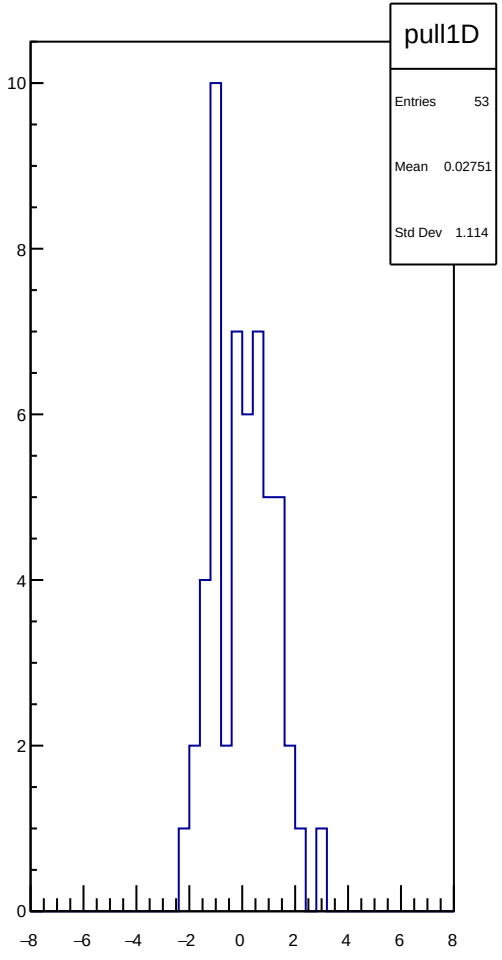

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 3774 / 52
p0 3995 ± 4
5000
4800
4600
4400
4200
4000
3800
3600

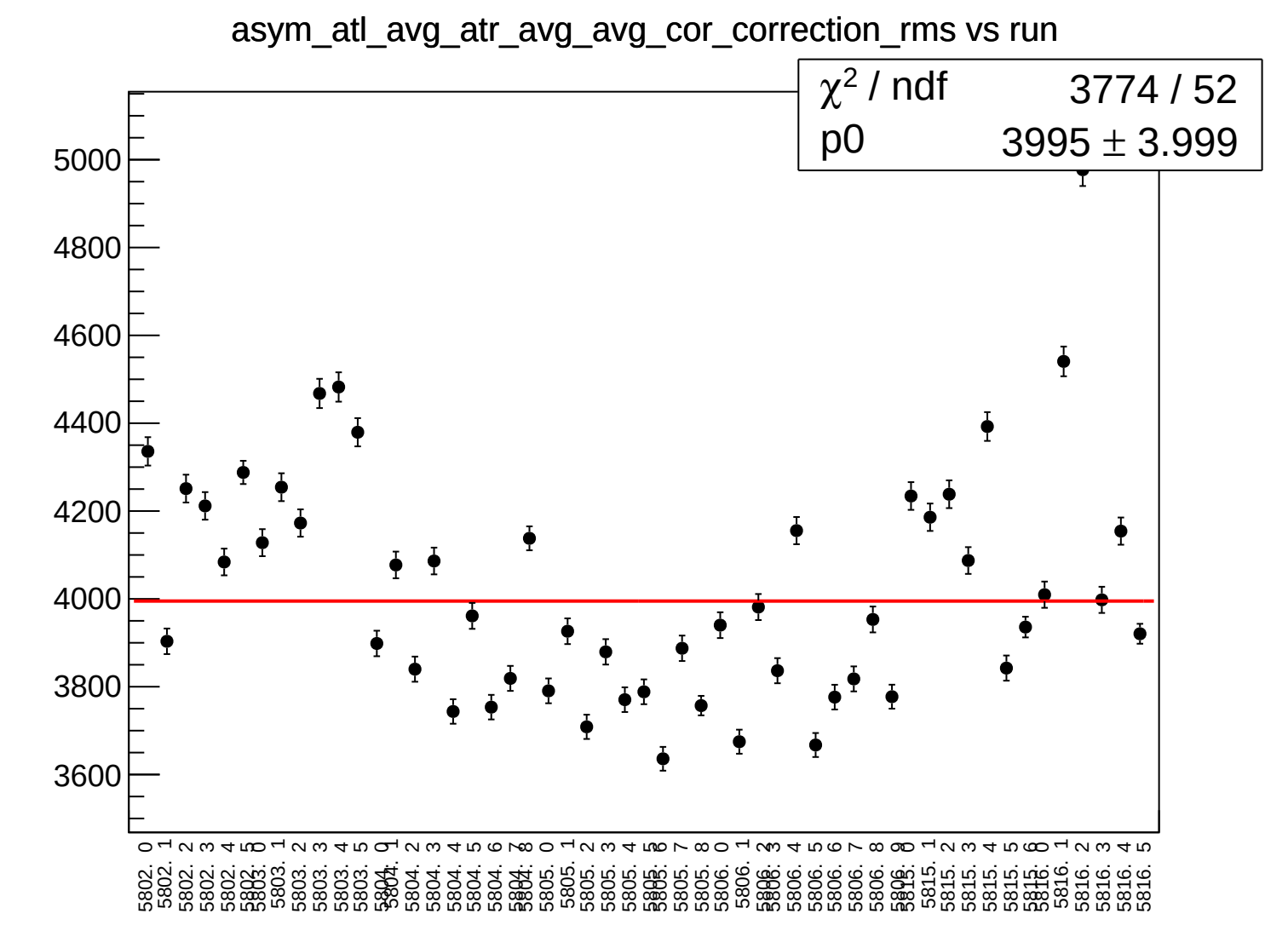

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 48.91 / 52
p0 1437 ± 1955
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −76.98
Std Dev 0
2
1
0
−1
−2

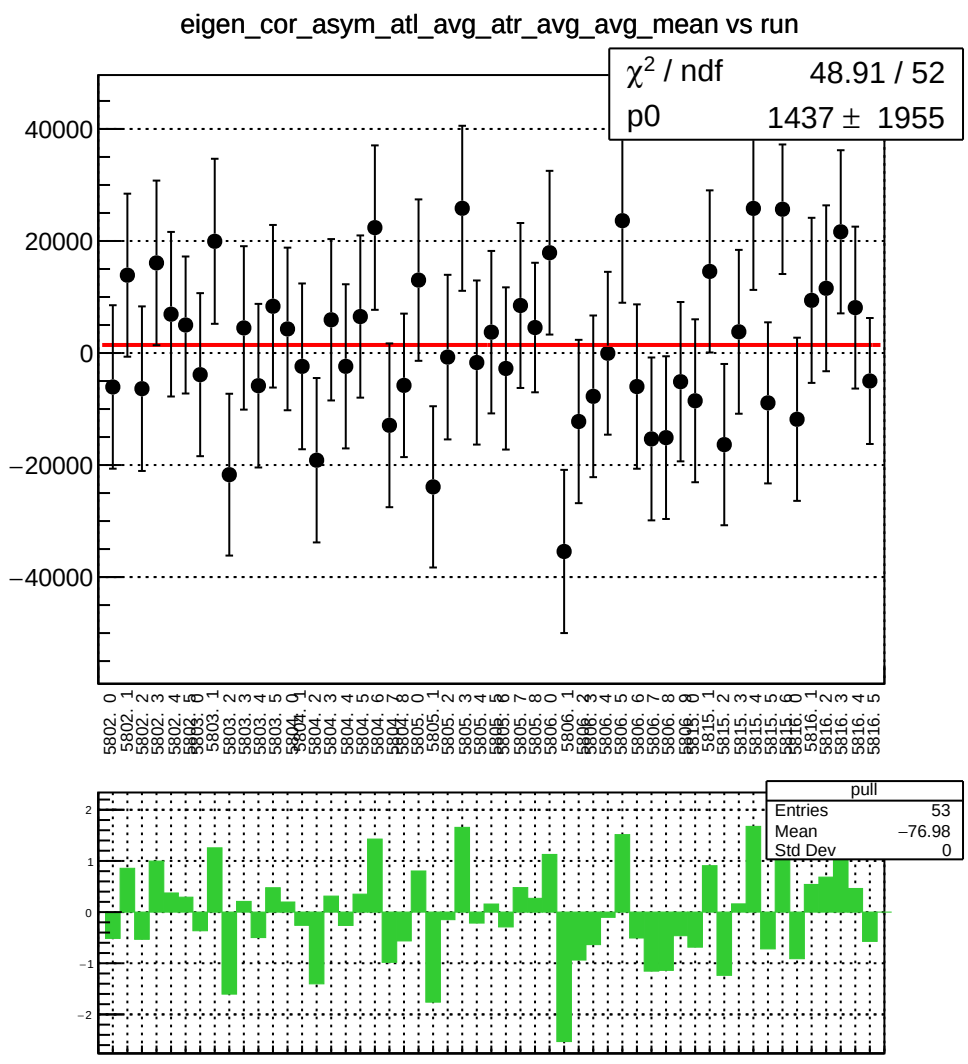

pull1D
Entries 53
Mean −0.005853
Std Dev 0.9606
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

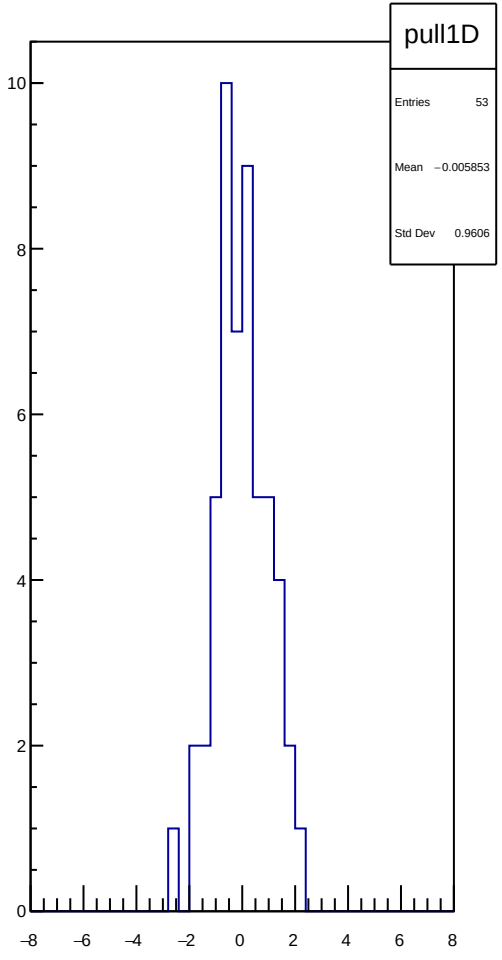

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.05 / 52
p0 1383 ± 1.382
1420
1410
1400
1390
1380
1370
1360
1350

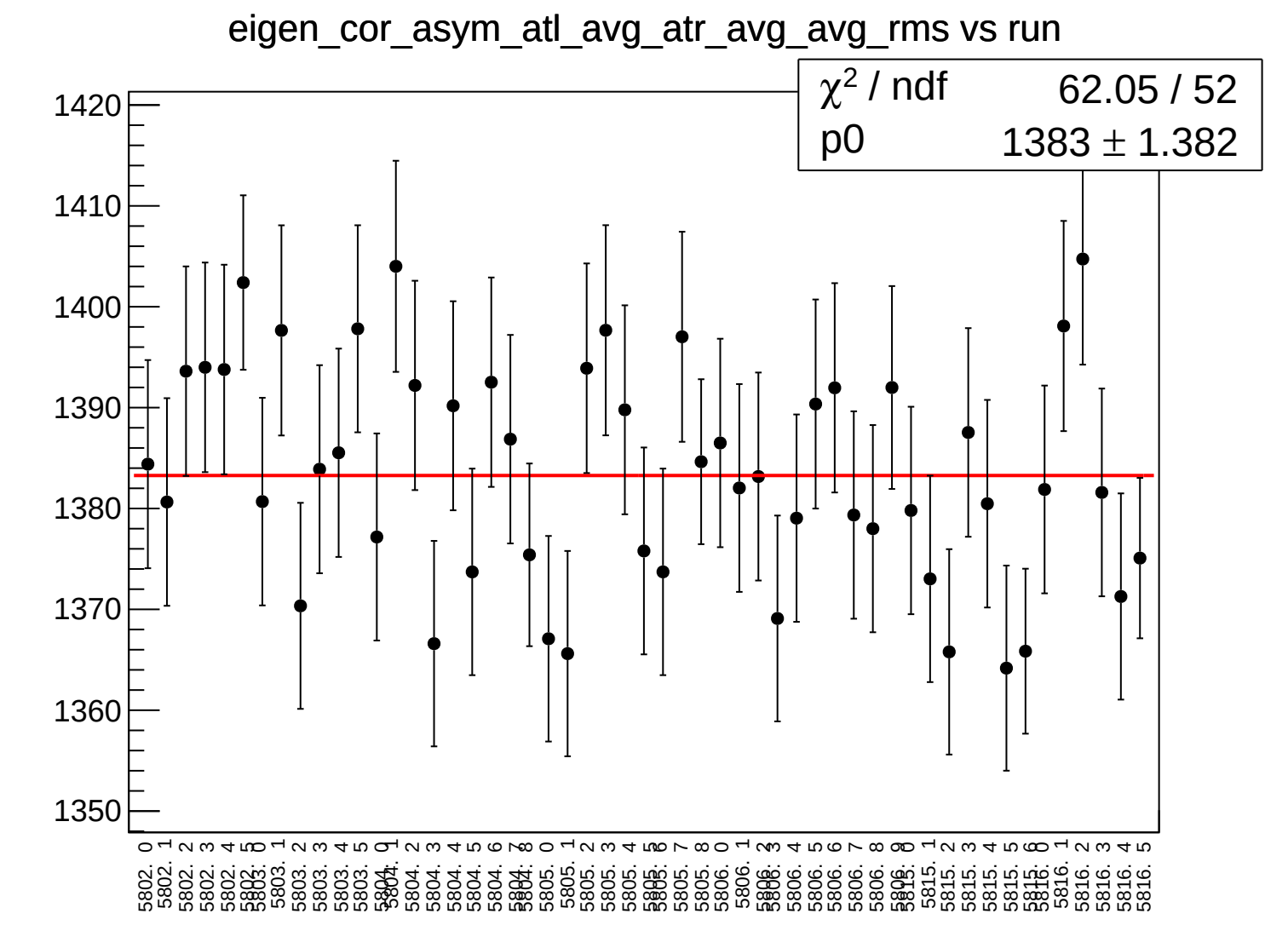

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.82 / 52
p0 −2994 ± 5656
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −54.3
Std Dev 0
3
2
1
0
−1
−2

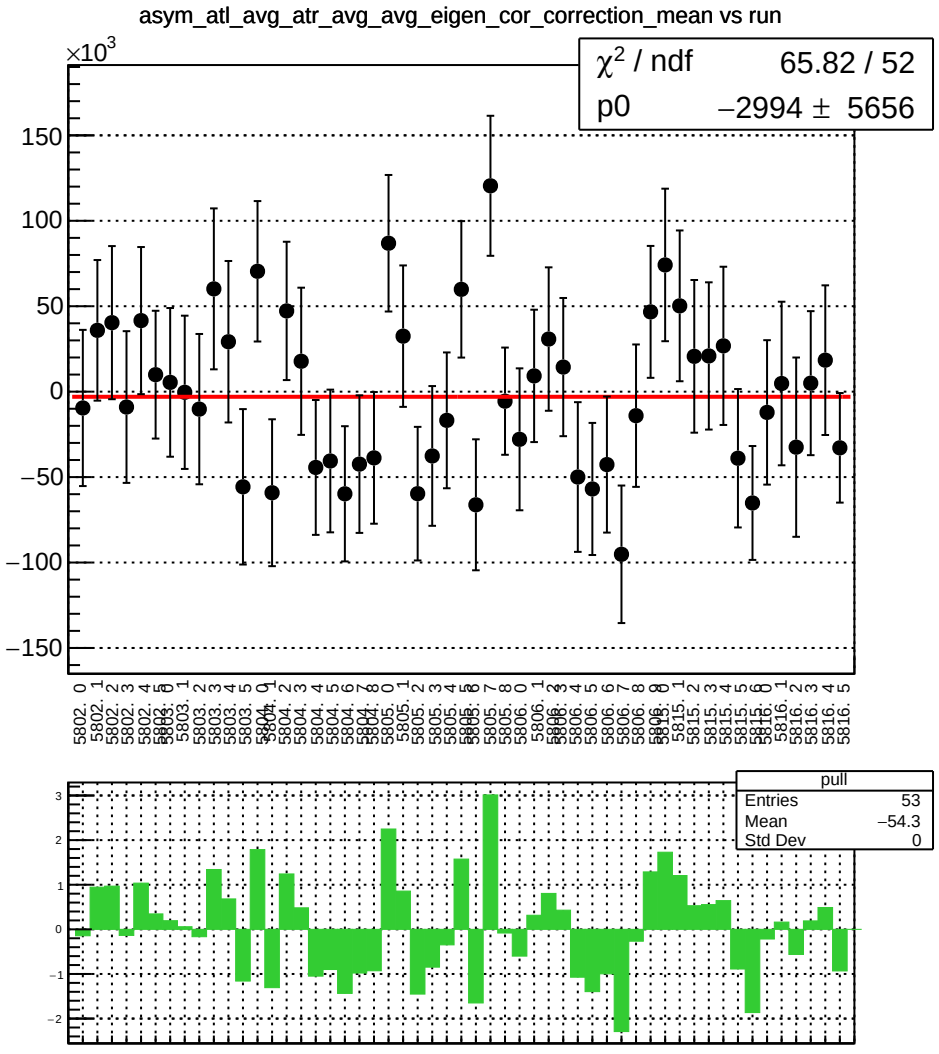

pull1D
Entries 53
Mean 0.02751
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

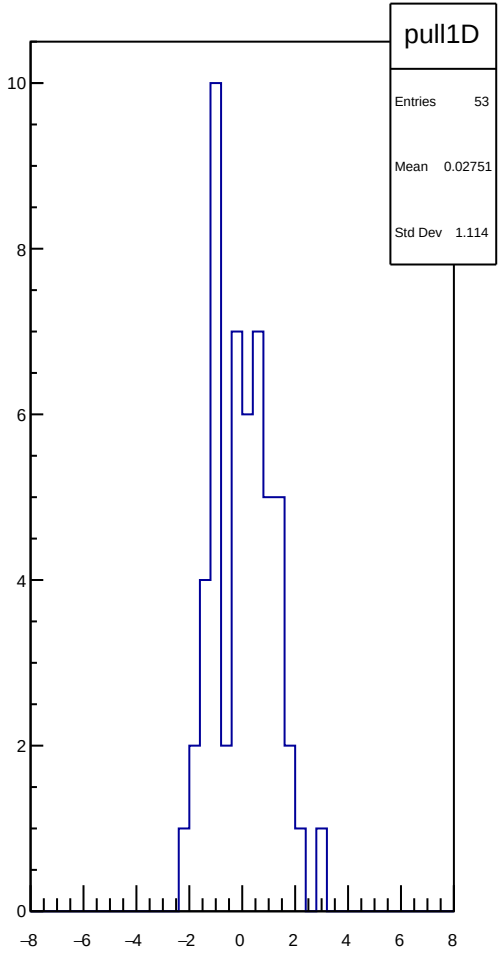

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 3774 / 52
p0 3995 ± 3.999
5000
4800
4600
4400
4200
4000
3800
3600

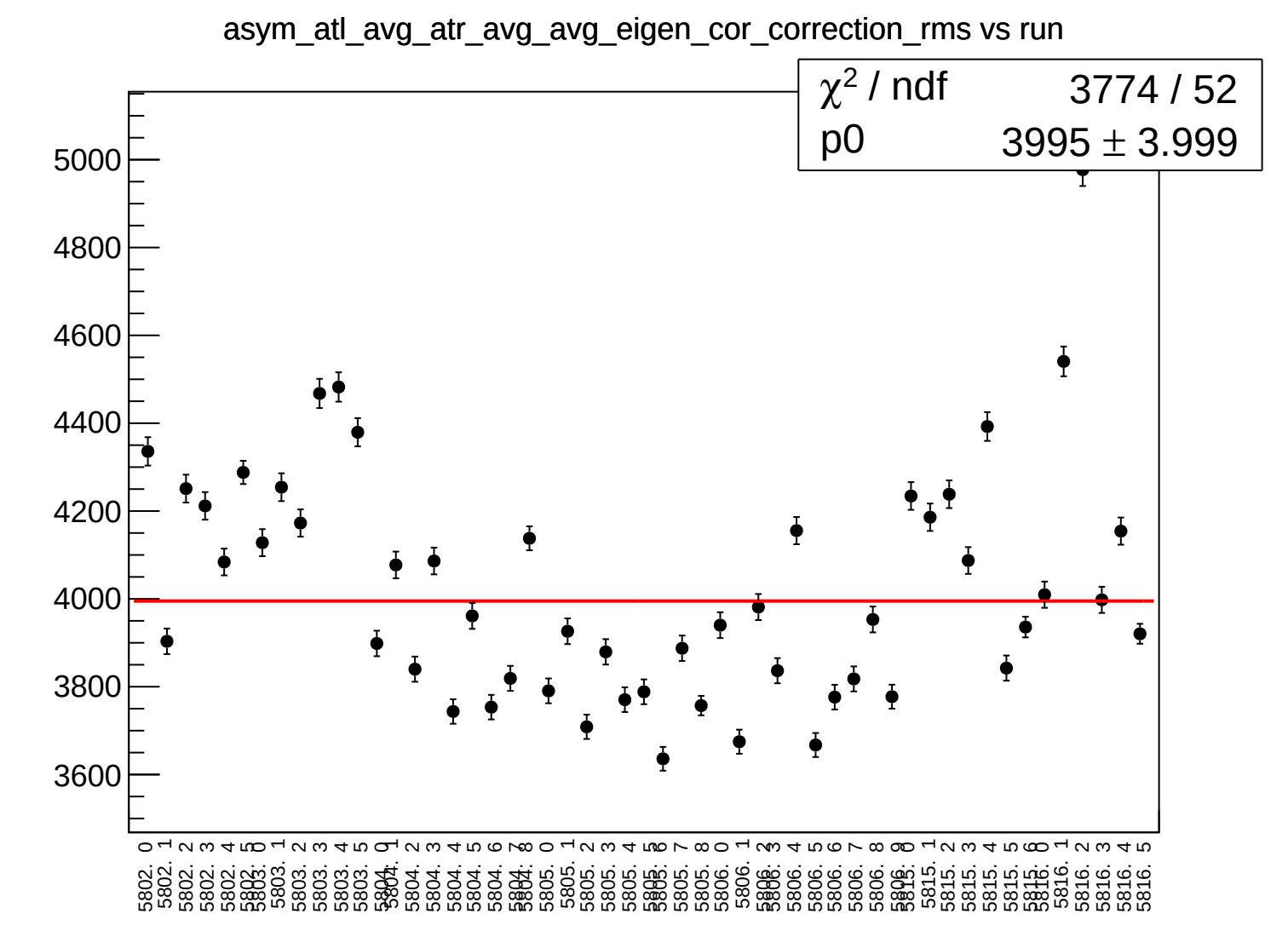

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 48.91 / 52
p0 1437 ± 1955
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −76.98
Std Dev 0
2
1
0
−1
−2

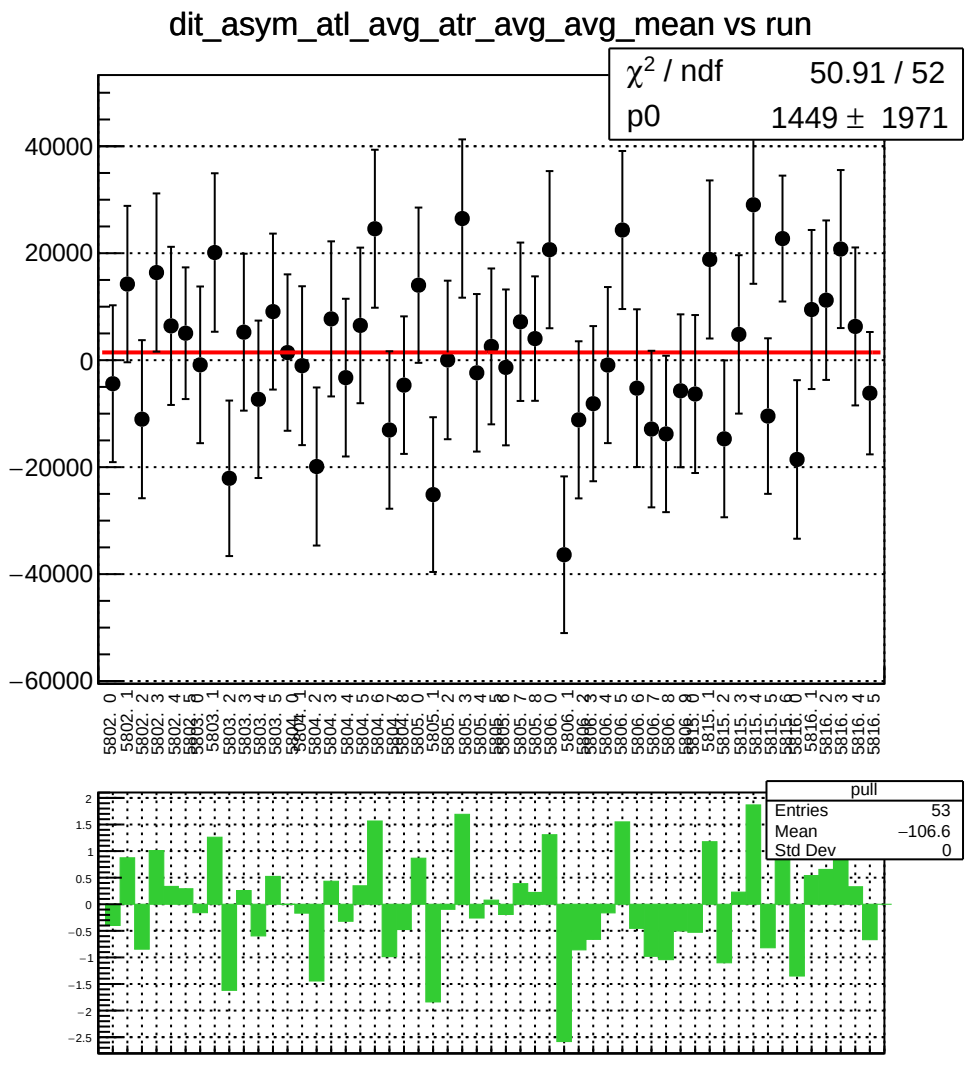

pull1D
Entries 53
Mean −0.005853
Std Dev 0.9606
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

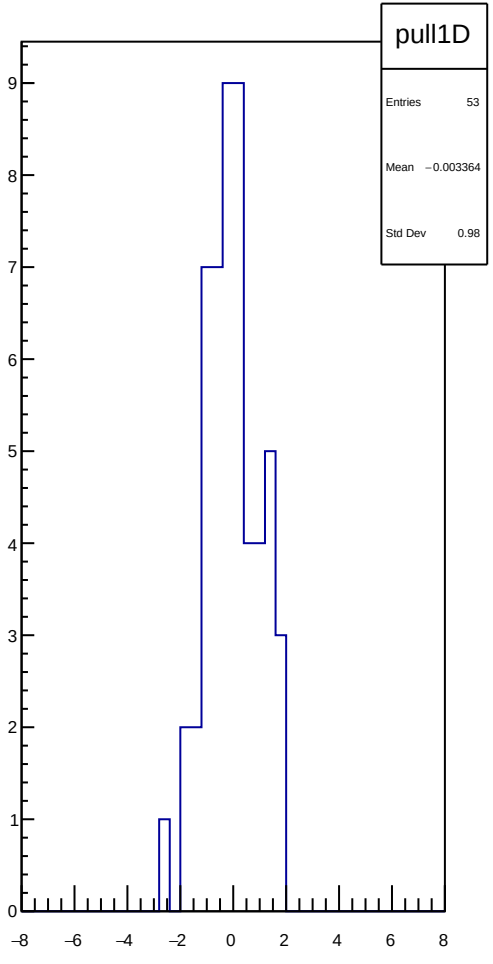

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.05 / 52
p0 1383 ± 1.382
1420
1410
1400
1390
1380
1370
1360
1350

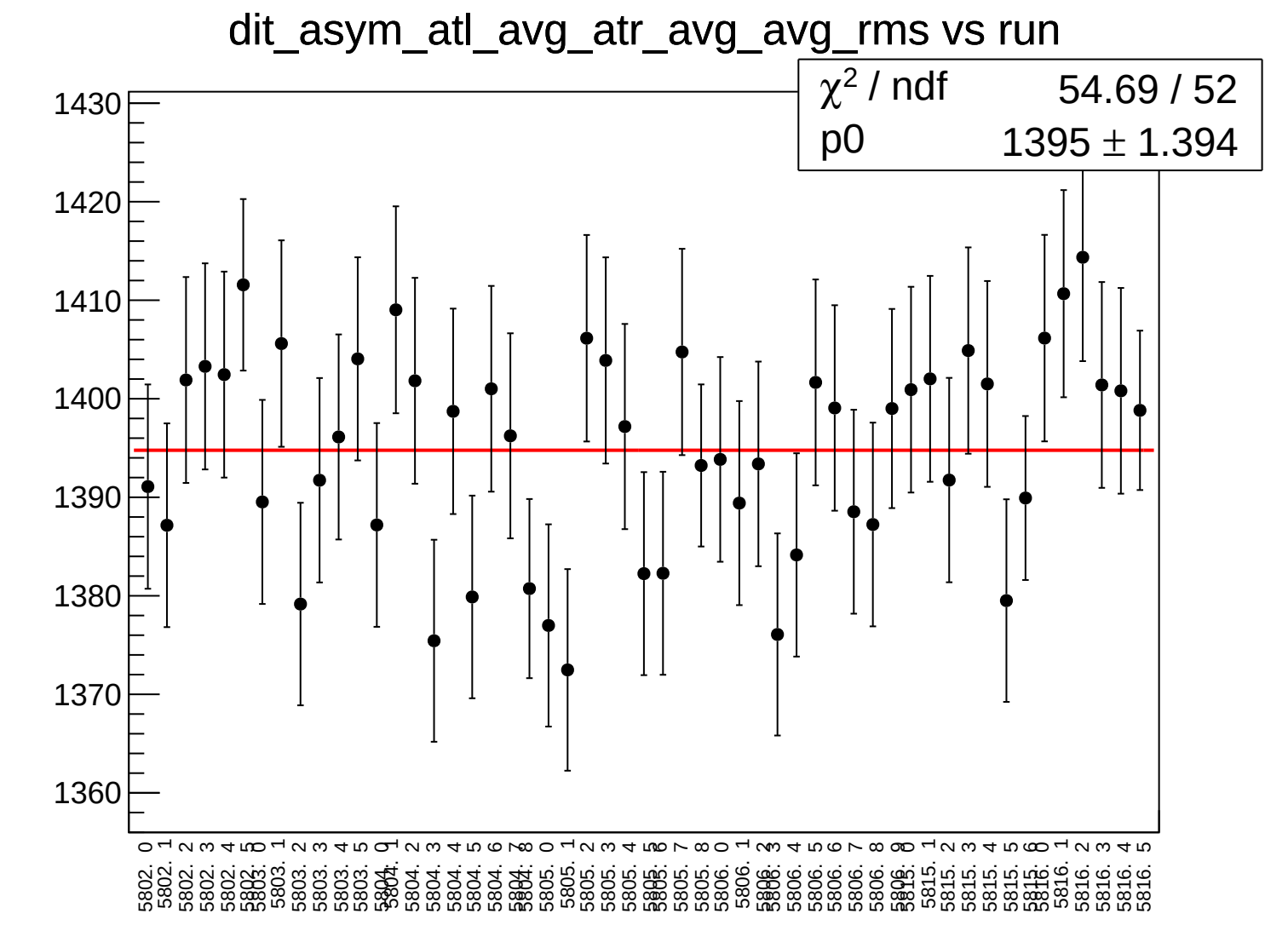

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.82 / 52
p0 −2994 ± 5656
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −54.3
Std Dev 0
3
2
1
0
−1
−2

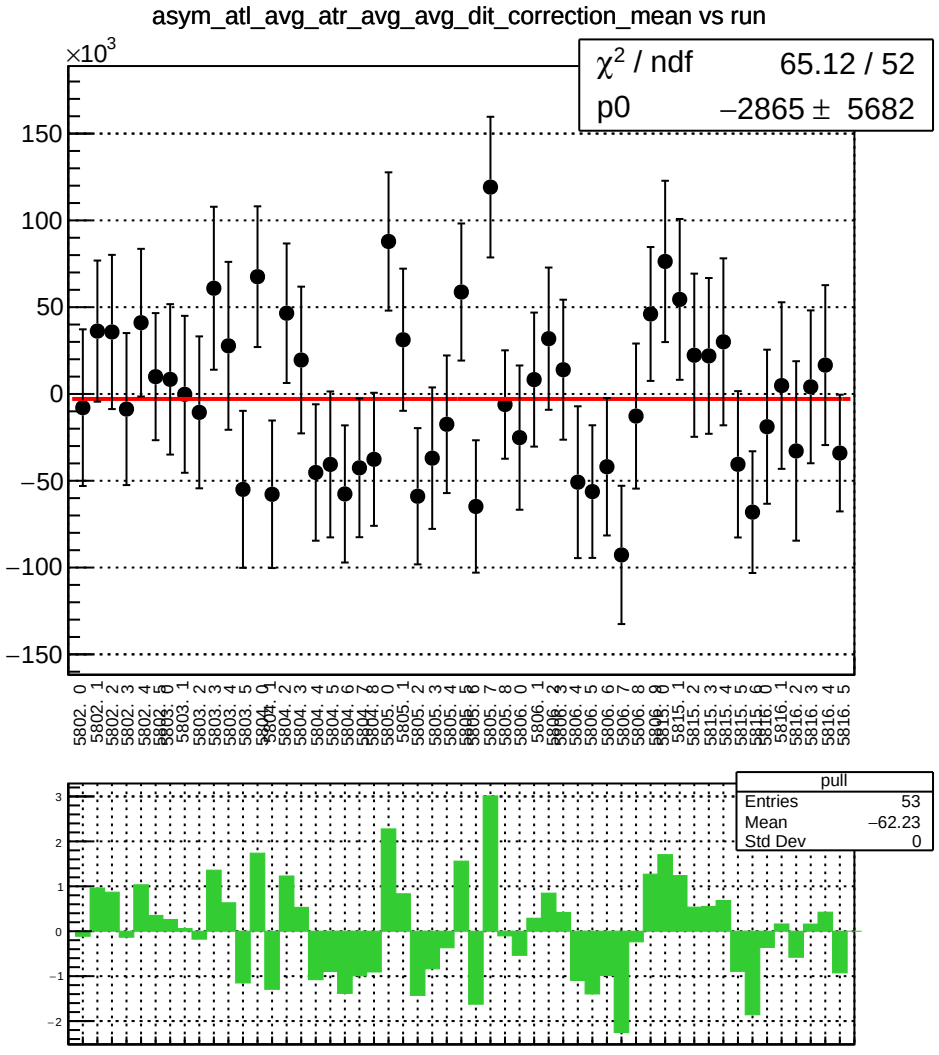

pull1D
Entries 53
Mean 0.02751
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

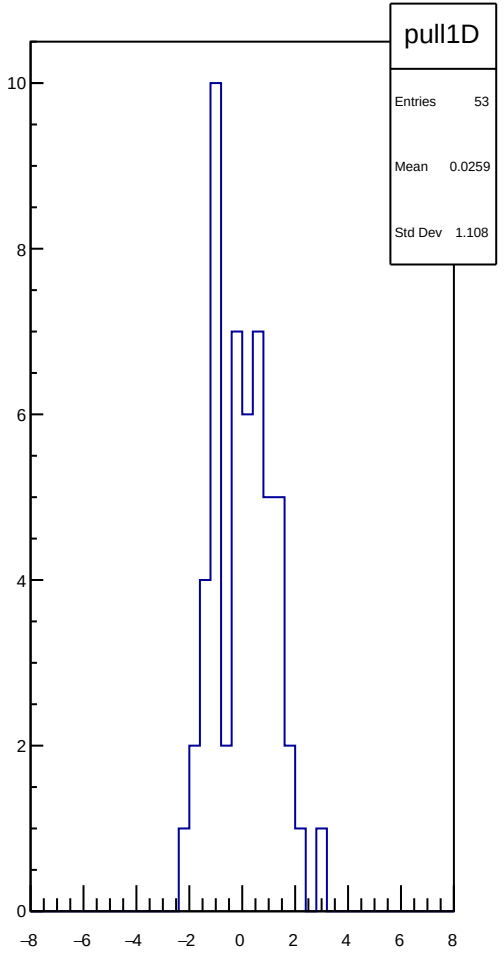

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3774 / 52
p0 3995 ± 3.999
5000
4800
4600
4400
4200
4000
3800
3600

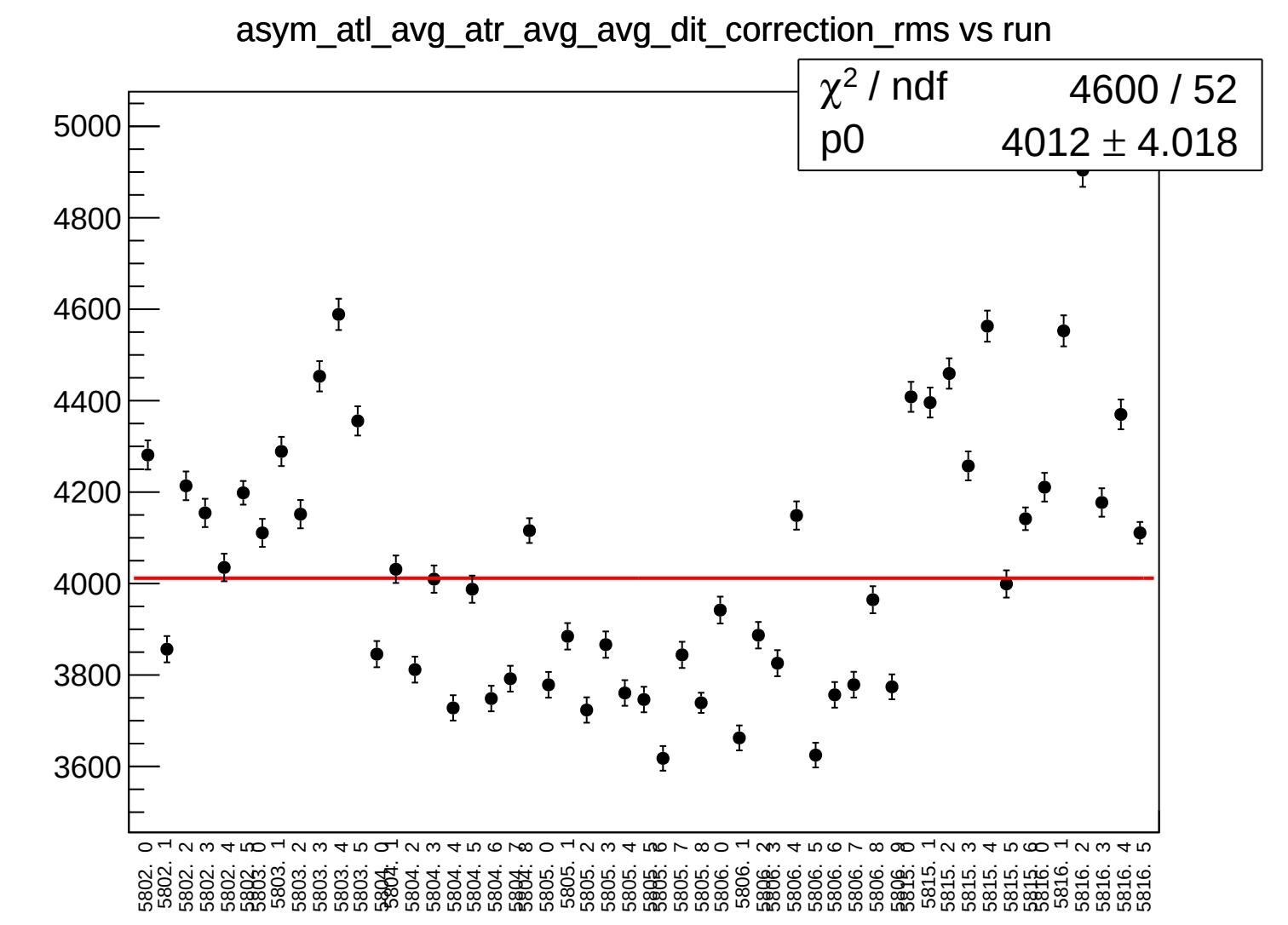

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.91 / 52
p0 1449 ± 1971
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −106.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

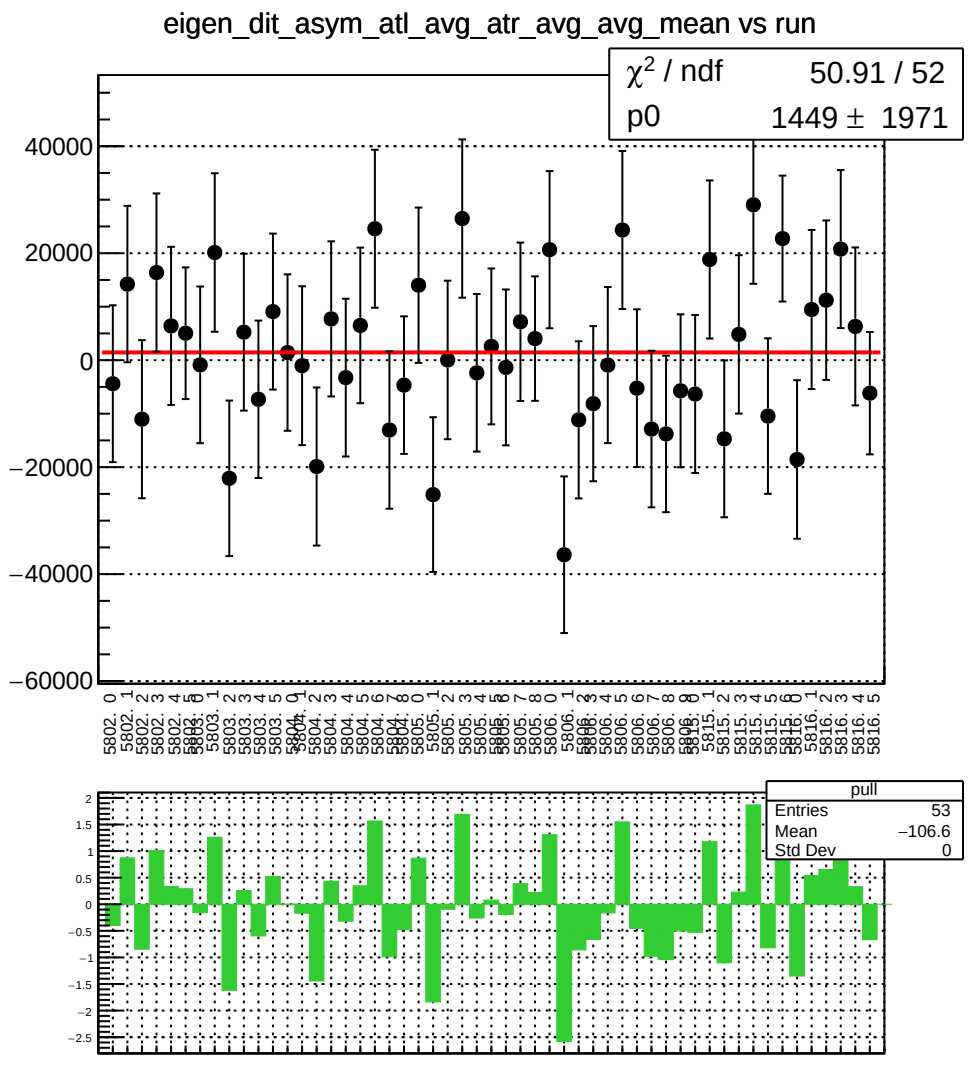

pull1D
Entries 53
Mean −0.003364
Std Dev 0.98
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

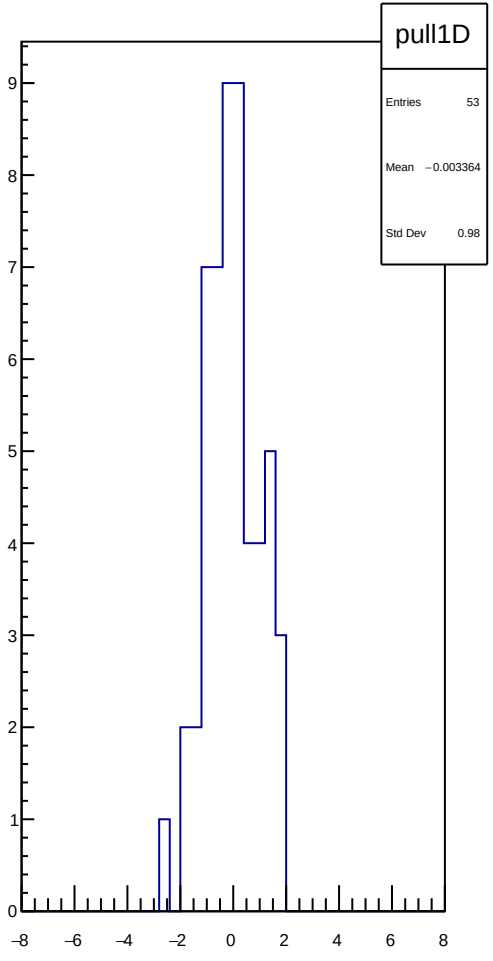

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 54.69 / 52
p0 1395 ± 1.394
1430
1420
1410
1400
1390
1380
1370
1360

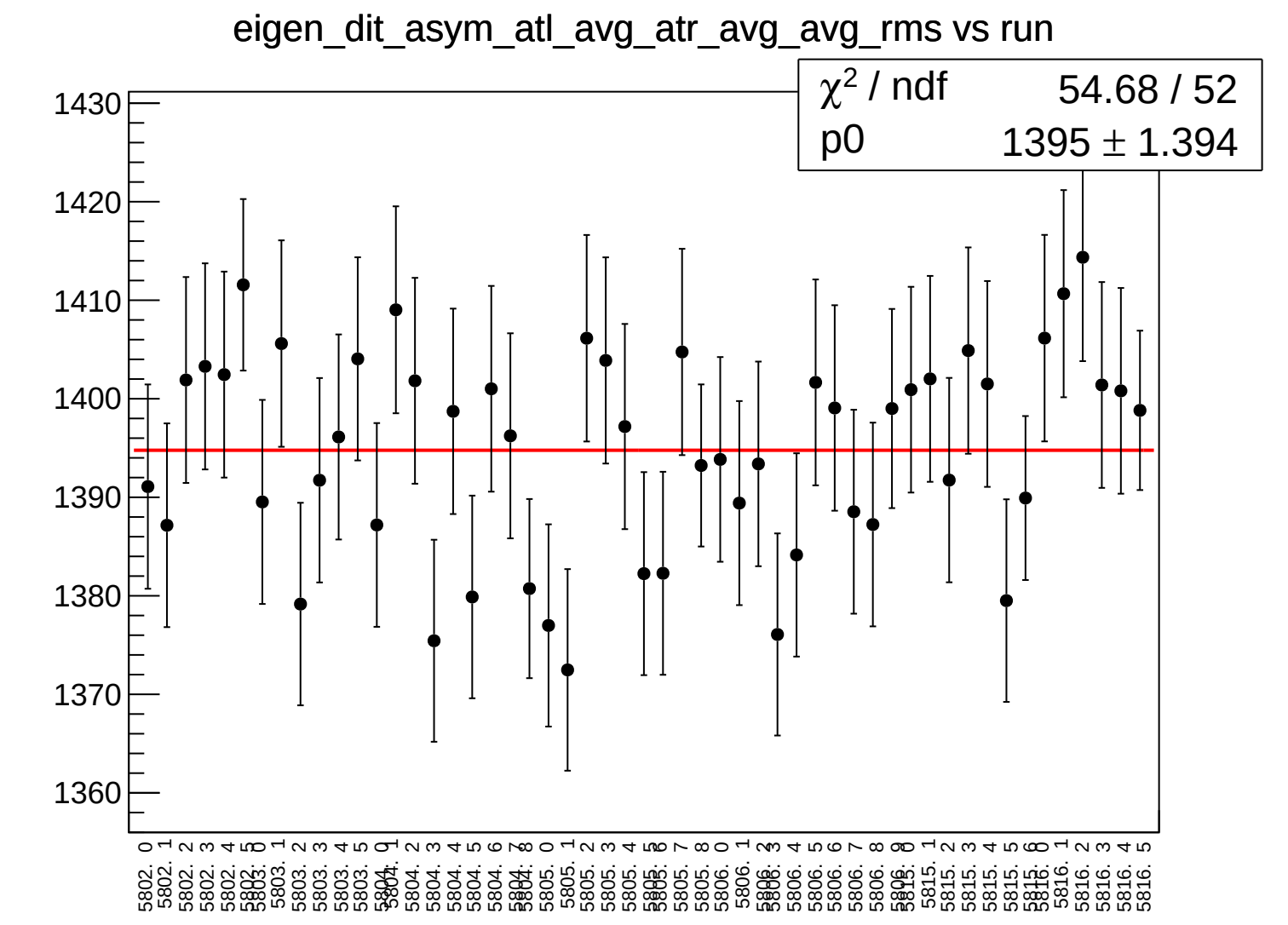

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 65.12 / 52
p0 −2865 ± 5682
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −62.23
Std Dev 0
3
2
1
0
−1
−2

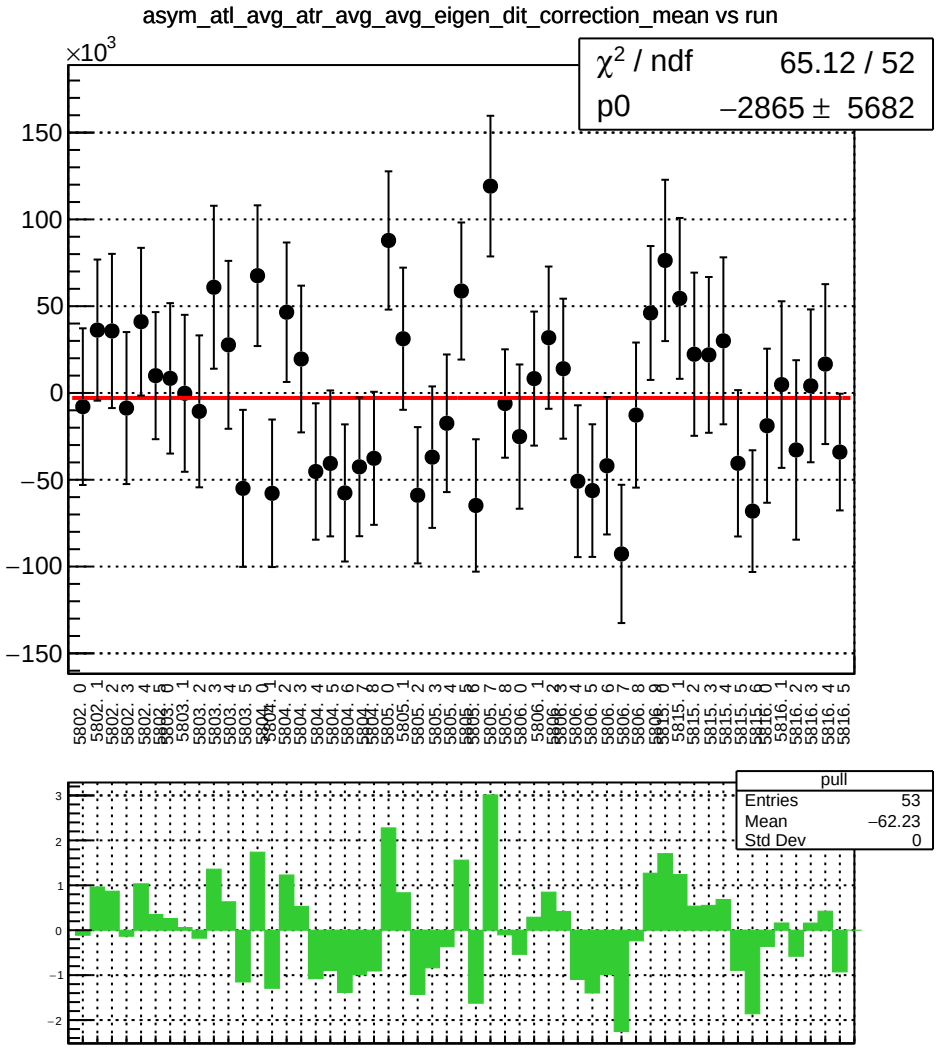

pull1D
Entries 53
Mean 0.0259
Std Dev 1.108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

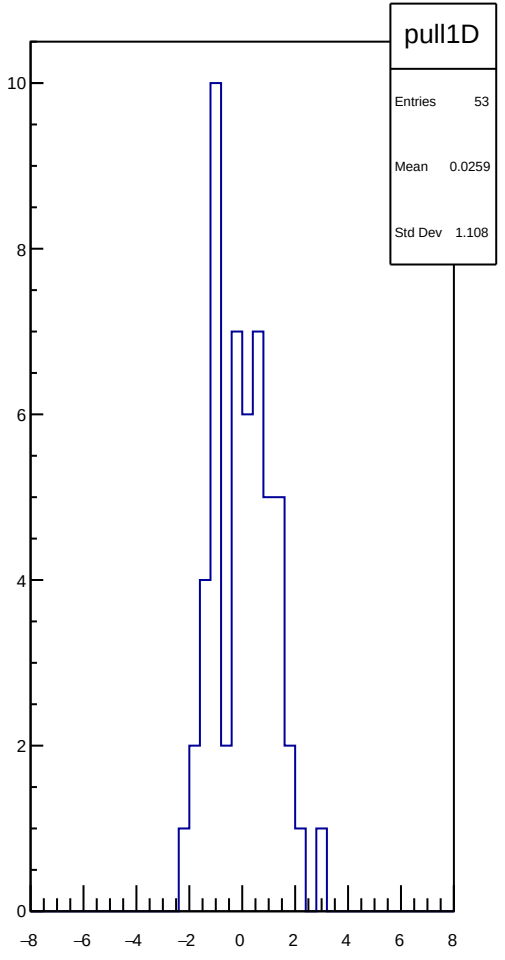

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 4600 / 52
p0 4012 ± 4.018
5000
4800
4600
4400
4200
4000
3800
3600

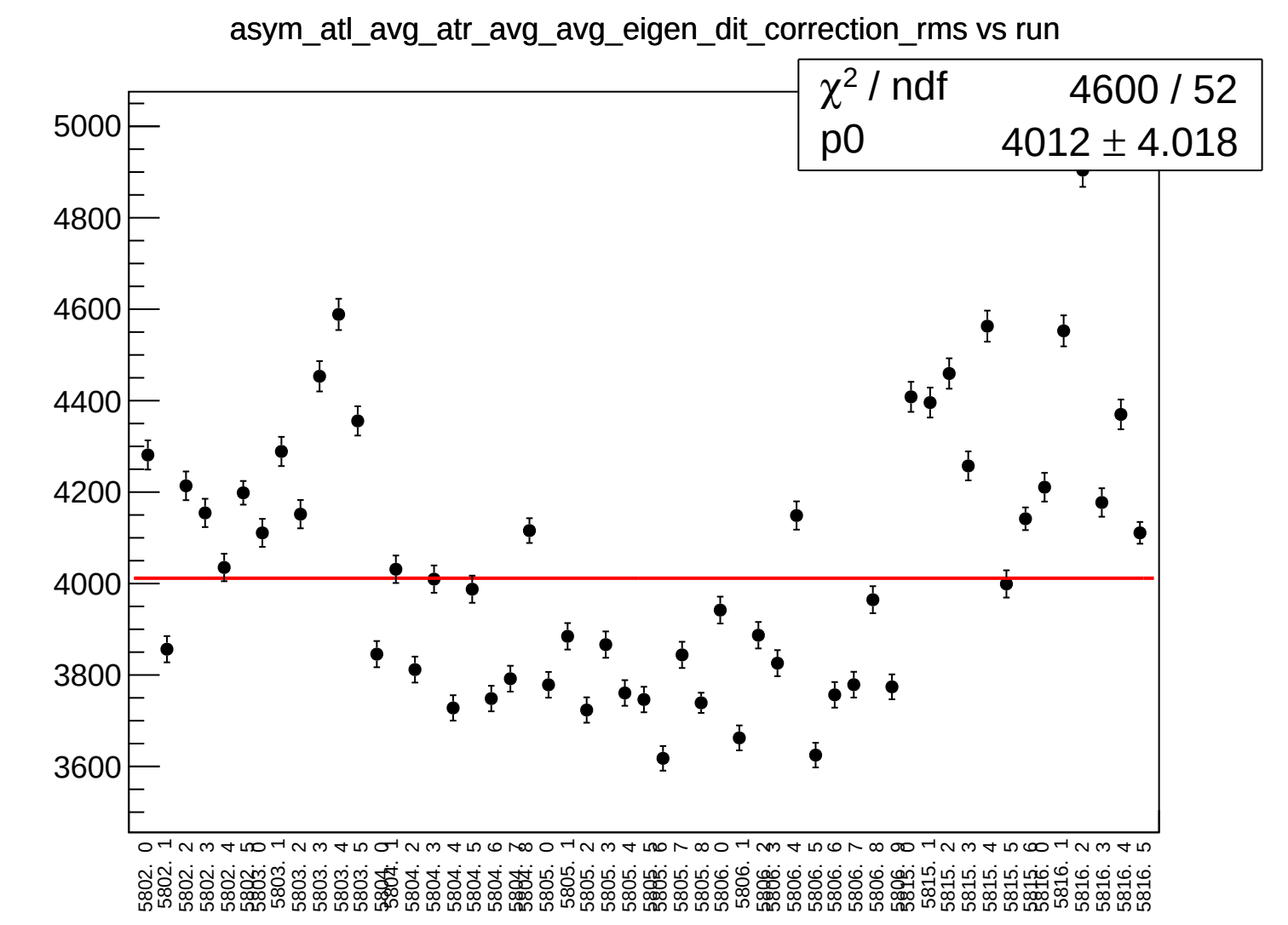

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.91 / 52
p0 1449 ± 1971
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −106.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

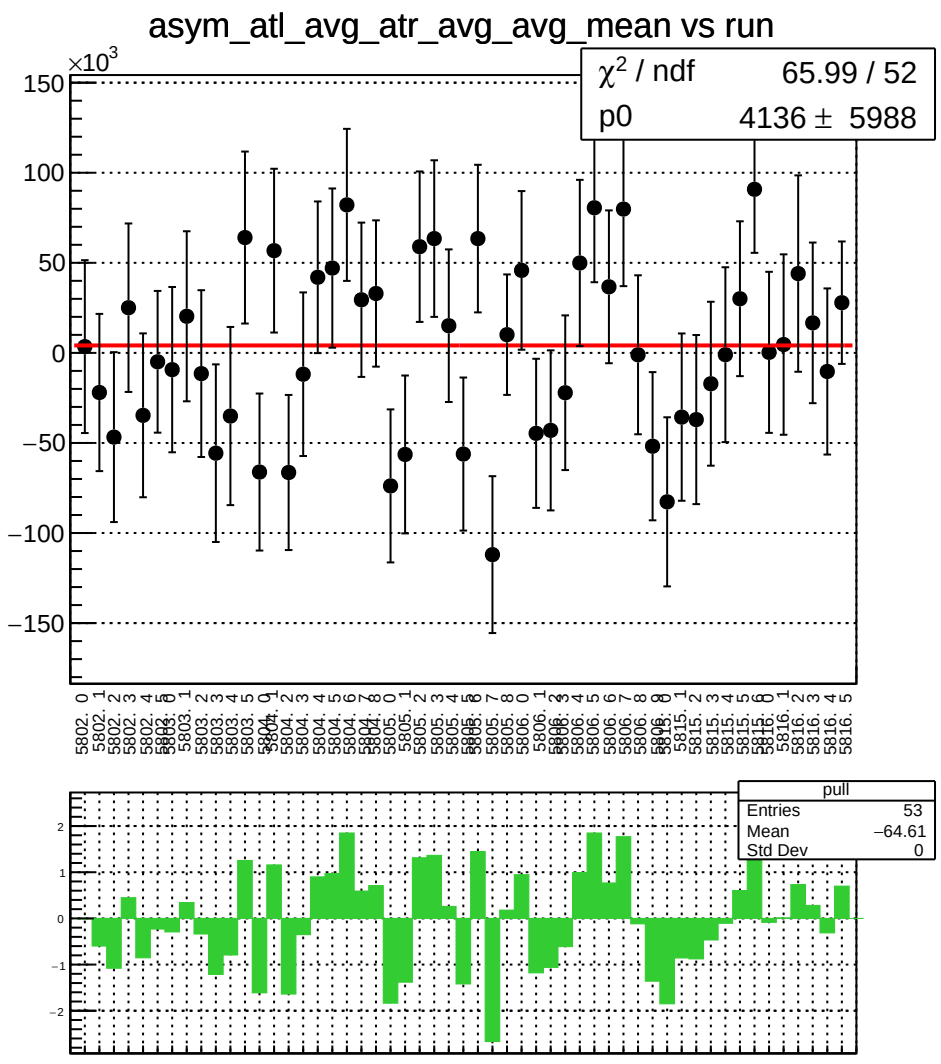

pull1D
Entries 53
Mean −0.003364
Std Dev 0.98
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

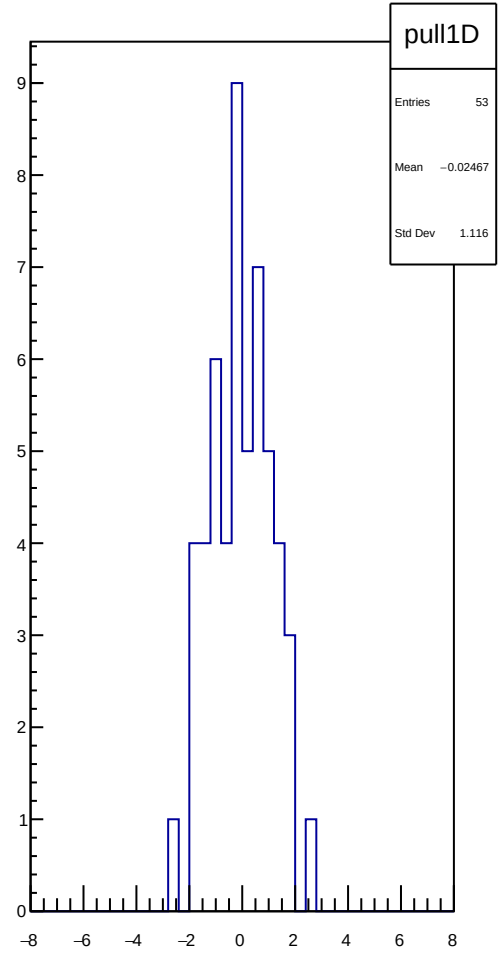

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 54.68 / 52
p0 1395 ± 1.394
1430
1420
1410
1400
1390
1380
1370
1360

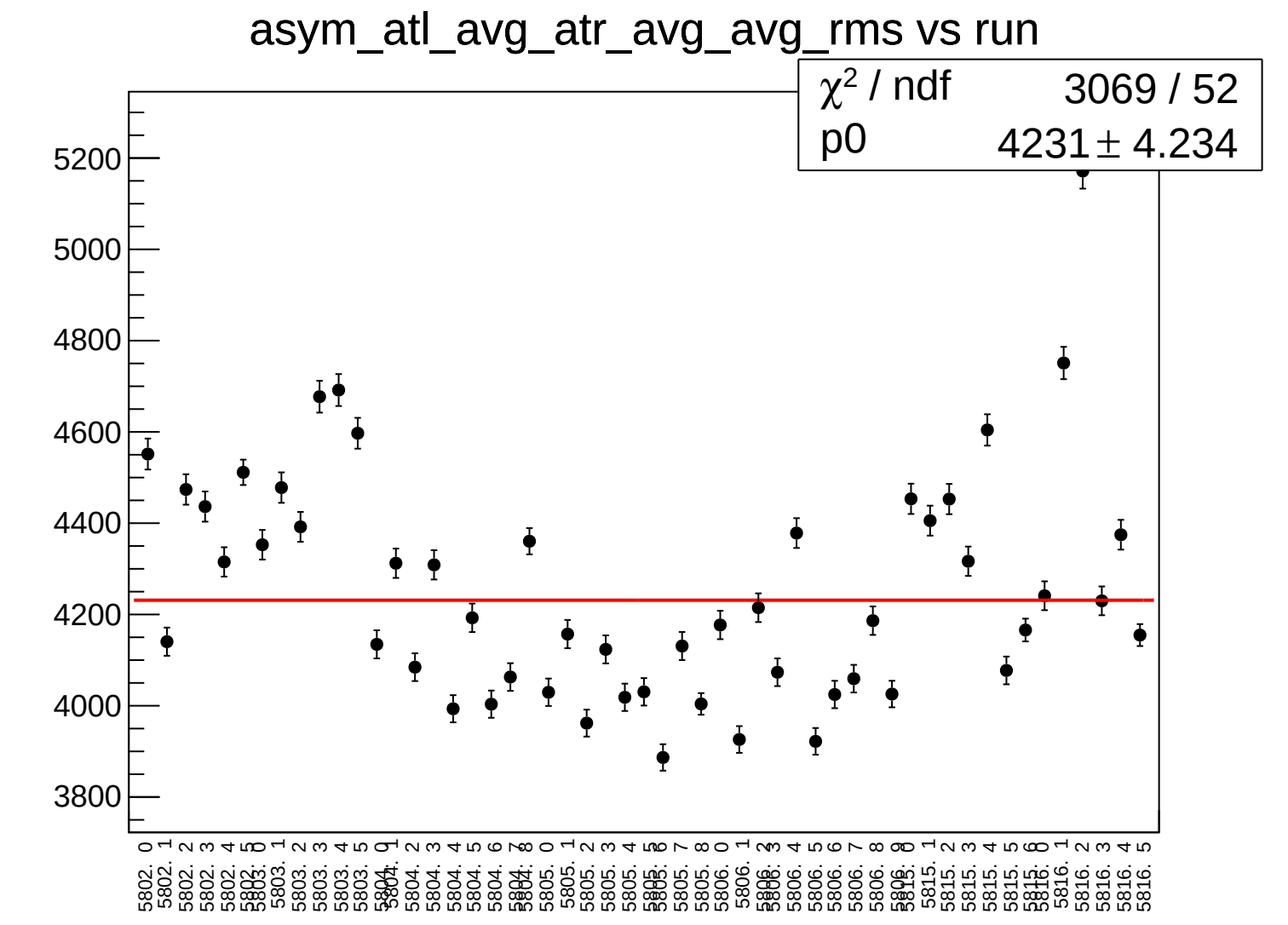

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.12 / 52
p0 −2865 ± 5682
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −62.23
Std Dev 0
3
2
1
0
−1
−2

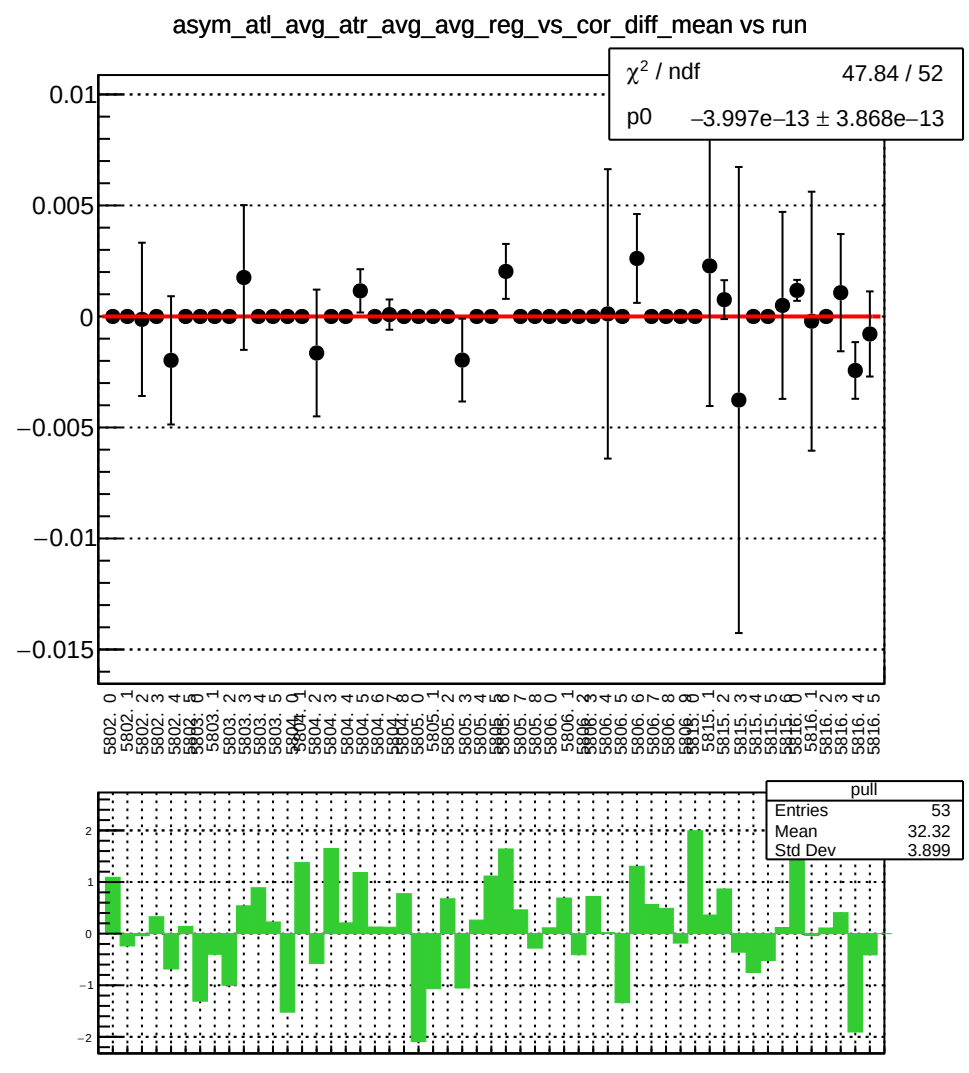

pull1D
Entries 53
Mean 0.0259
Std Dev 1.108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

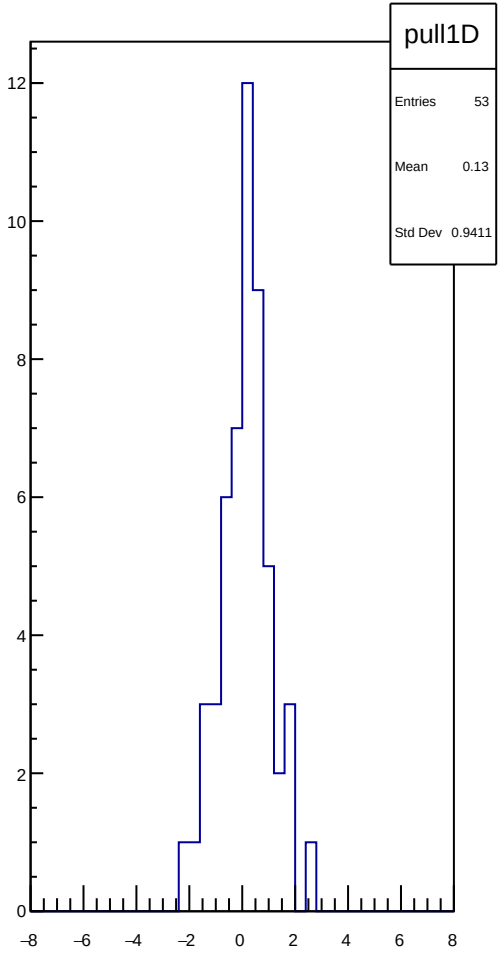

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4600 / 52
p0 4012 ± 4.018
5000
4800
4600
4400
4200
4000
3800
3600

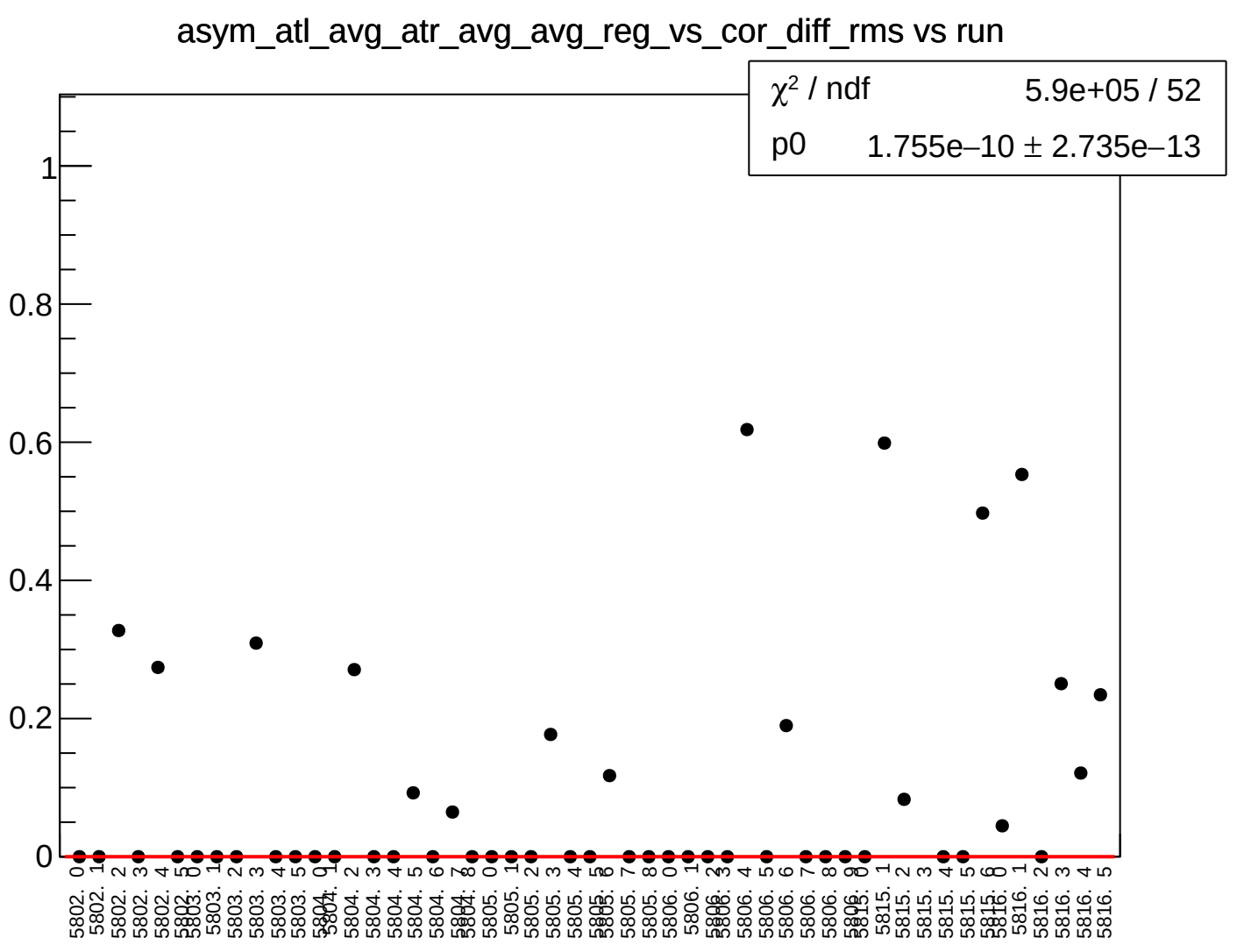

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 65.99 / 52
p0 4136 ± 5988
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −64.61
Std Dev 0
2
1
0
−1
−2

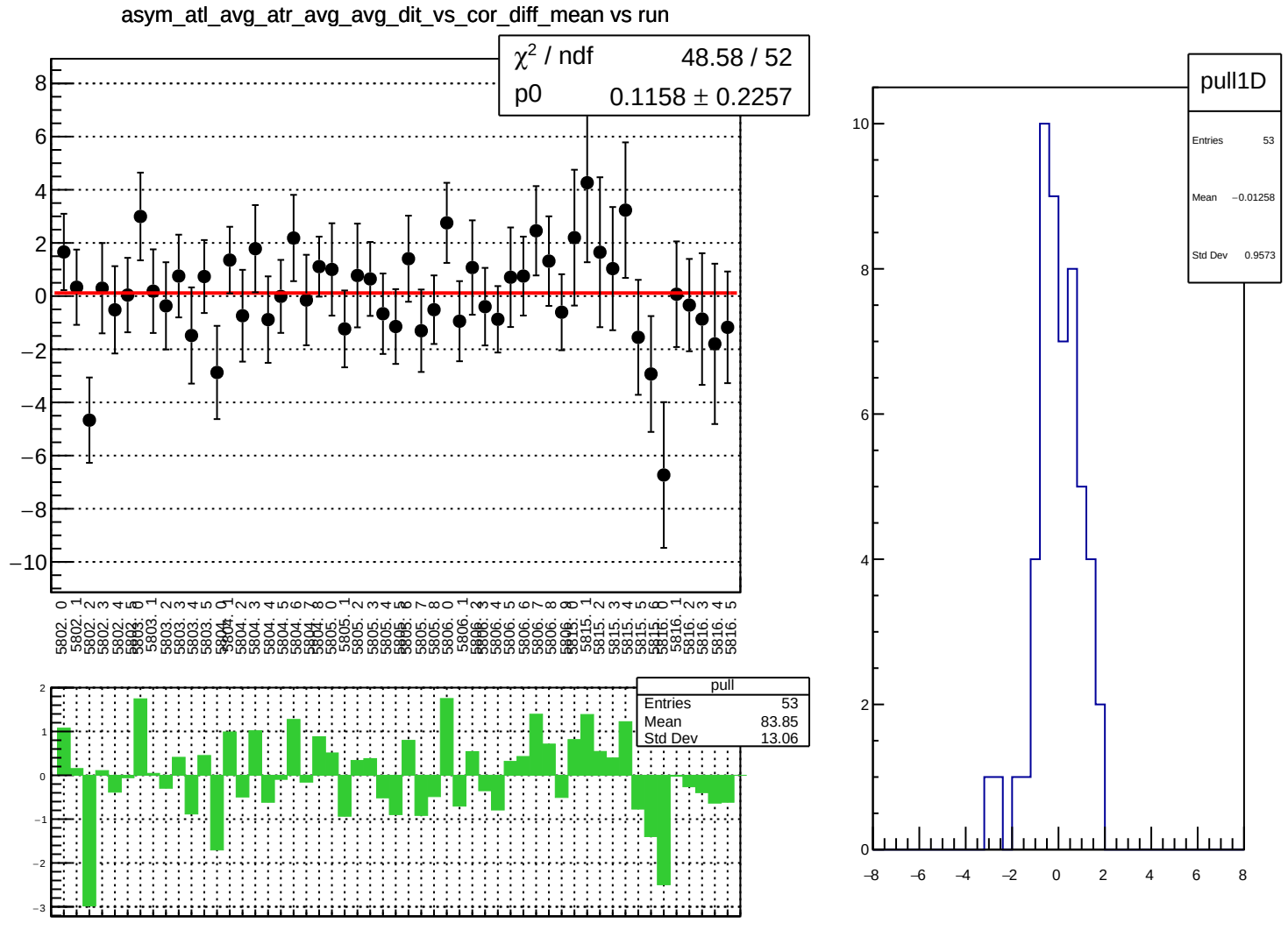

pull1D
Entries 53
Mean −0.02467
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

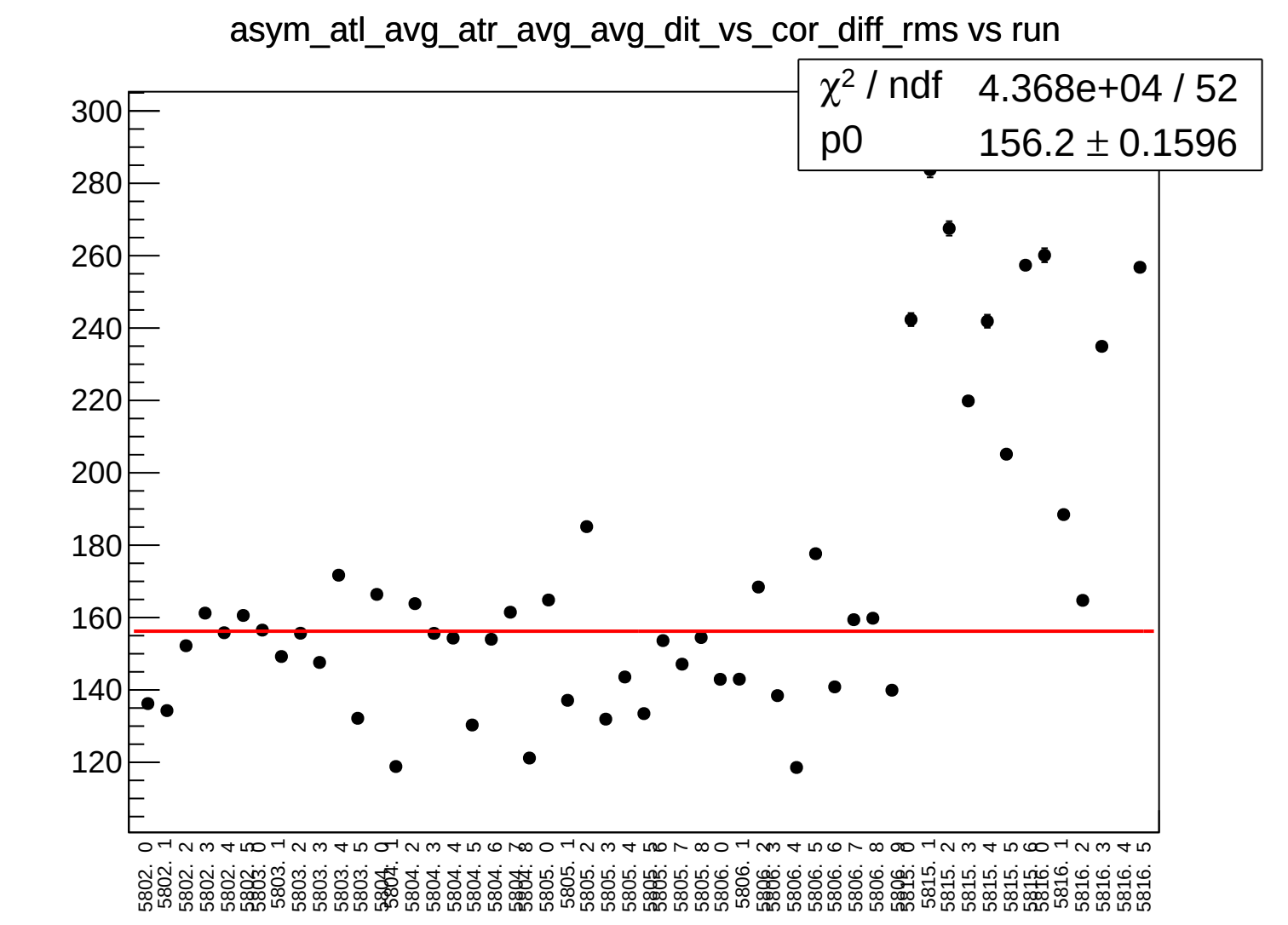

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3069 / 52
p0 4231 ± 4.234
5200
5000
4800
4600
4400
4200
4000
3800

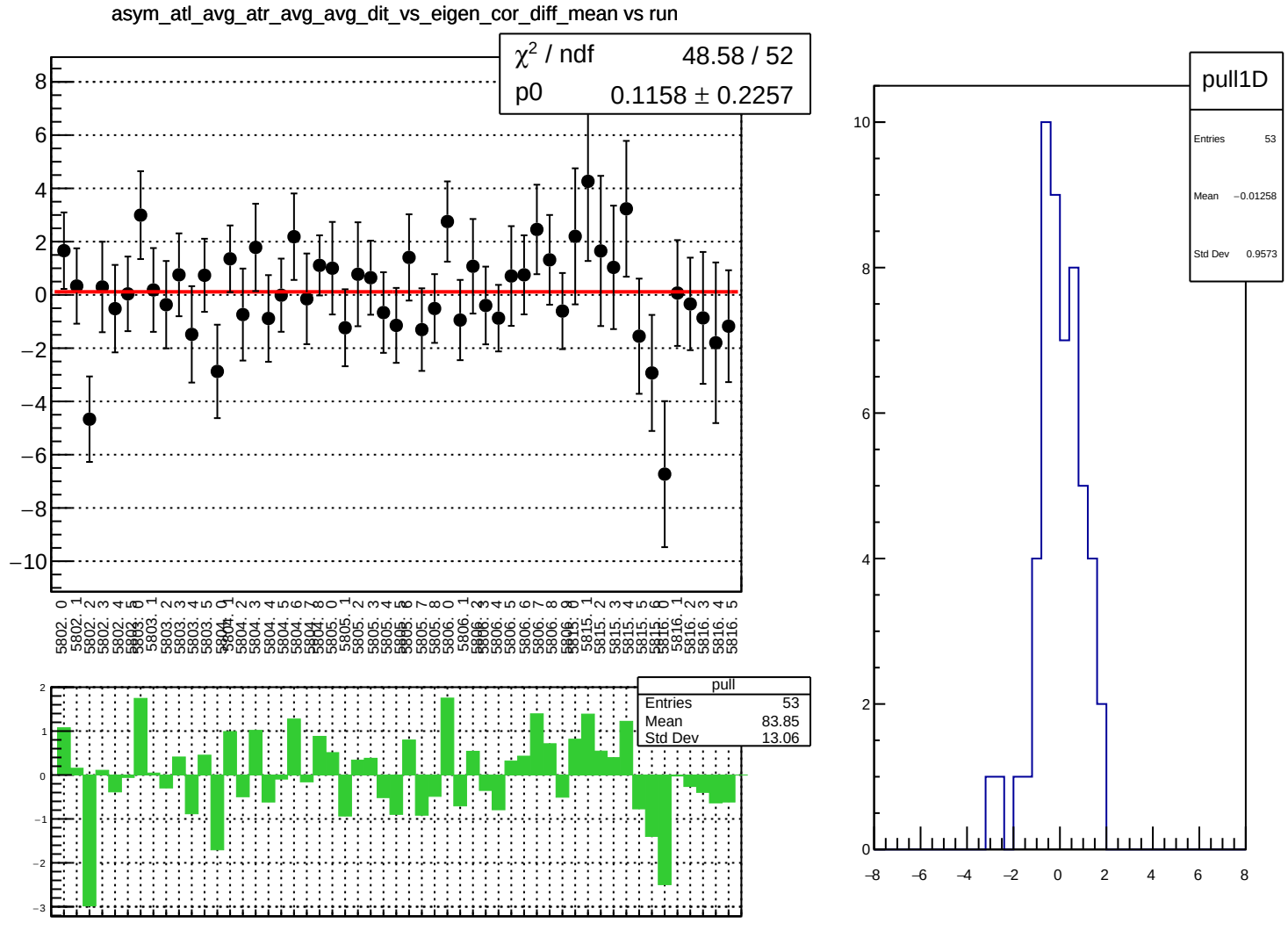

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.84 / 52
p0 −3.997e−13 ± 3.868e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 32.32
Std Dev 3.899
2
1
0
−1
−2

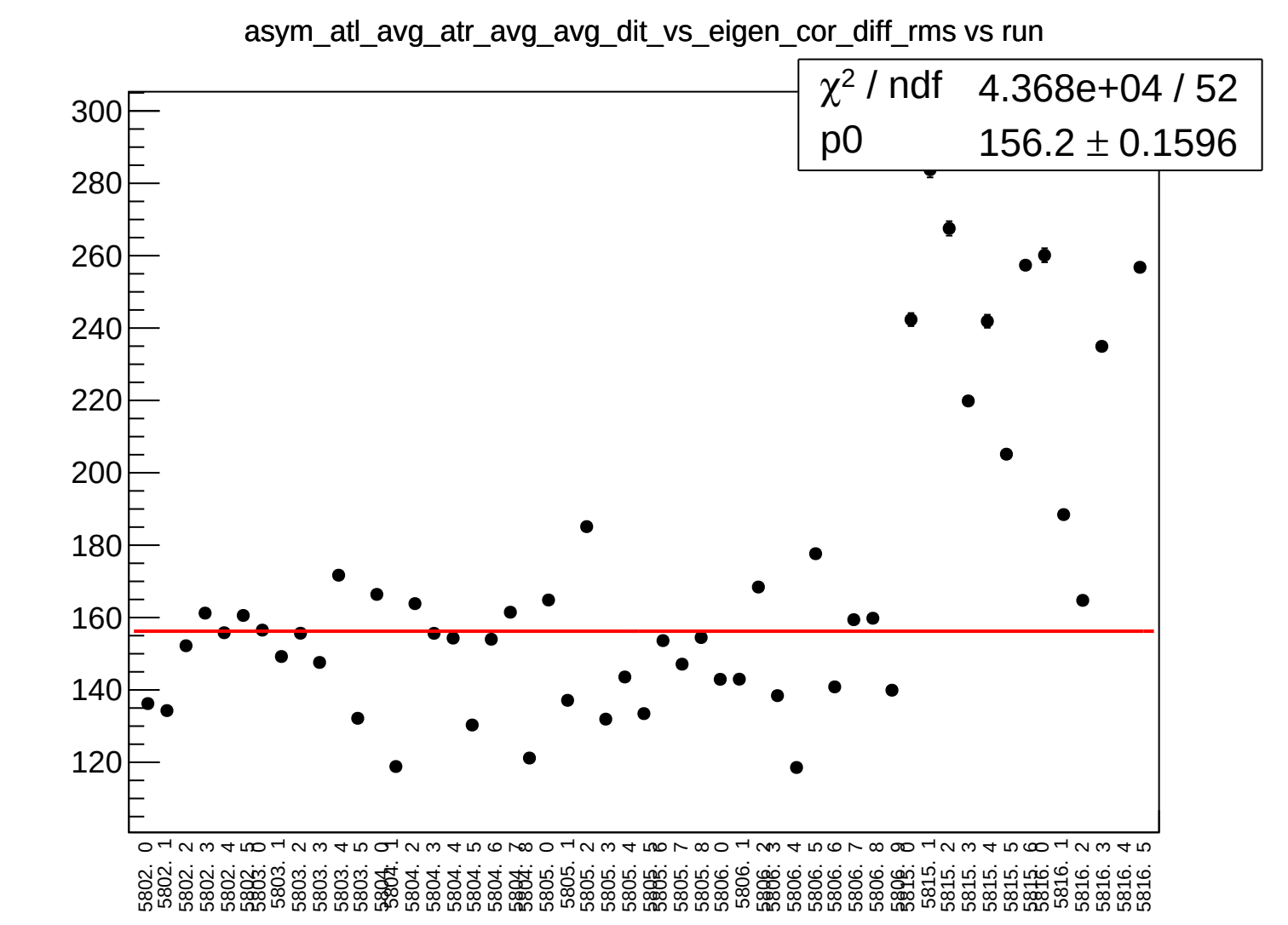

pull1D
Entries 53
Mean 0.13
Std Dev 0.9411
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

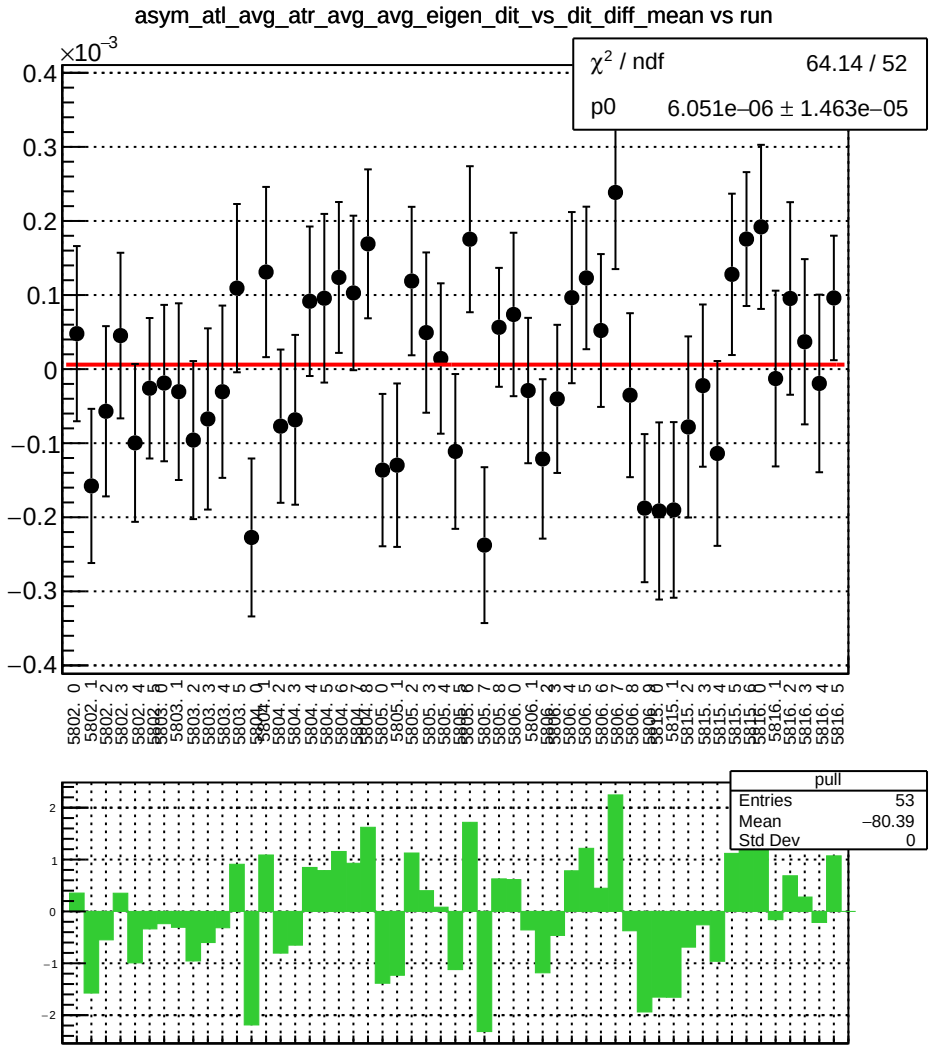

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.9e+05 / 52
p0 1.755e−10 ± 2.735e−13
1
0.8
0.6
0.4
0.2
0

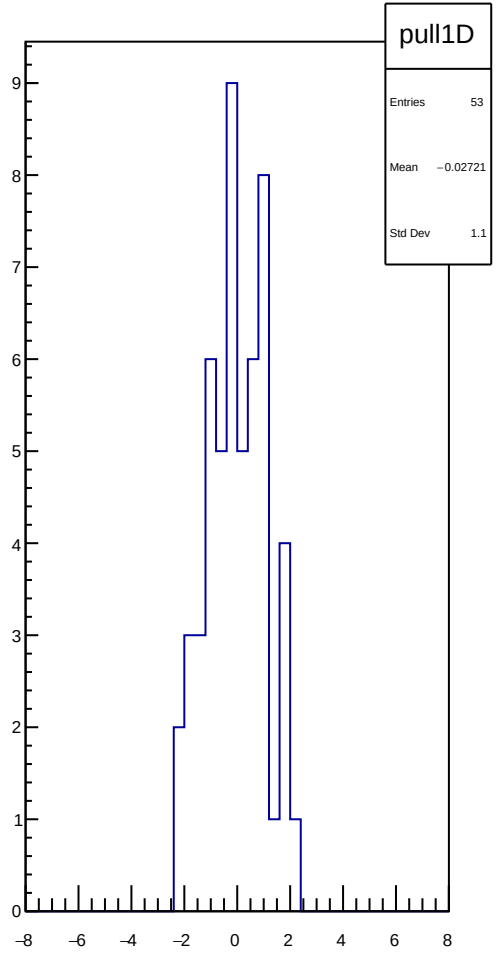

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 0.1158 ± 0.2257
pull
Entries 53
Mean 83.85
Std Dev 13.06
pull1D
Entries 53
Mean −0.01258
Std Dev 0.9573

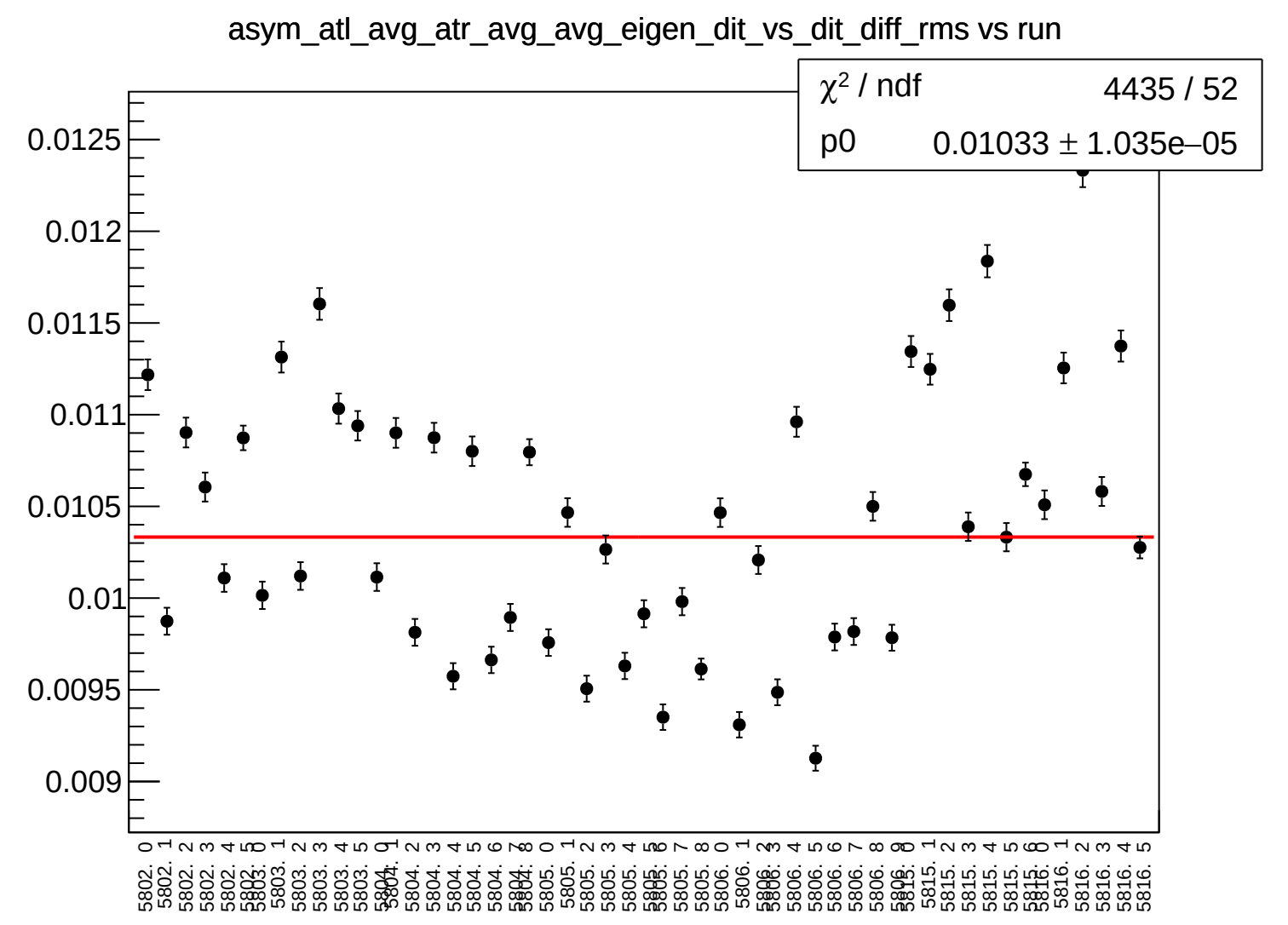

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.368e+04 / 52
p0 156.2 ± 0.1596
300
280
260
240
220
200
180
160
140
120

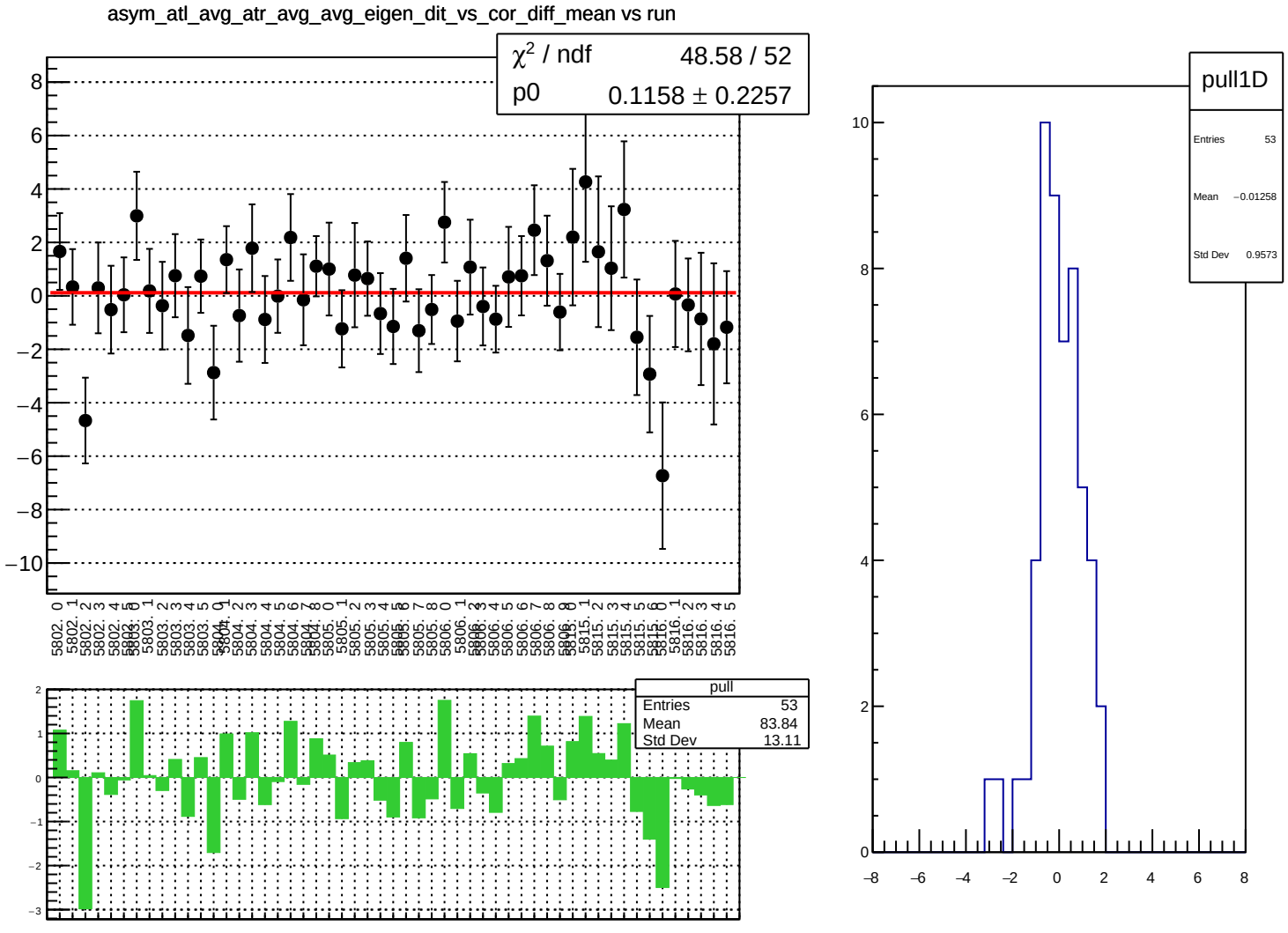

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 0.1158 ± 0.2257
pull
Entries 53
Mean 83.85
Std Dev 13.06
pull1D
Entries 53
Mean −0.01258
Std Dev 0.9573

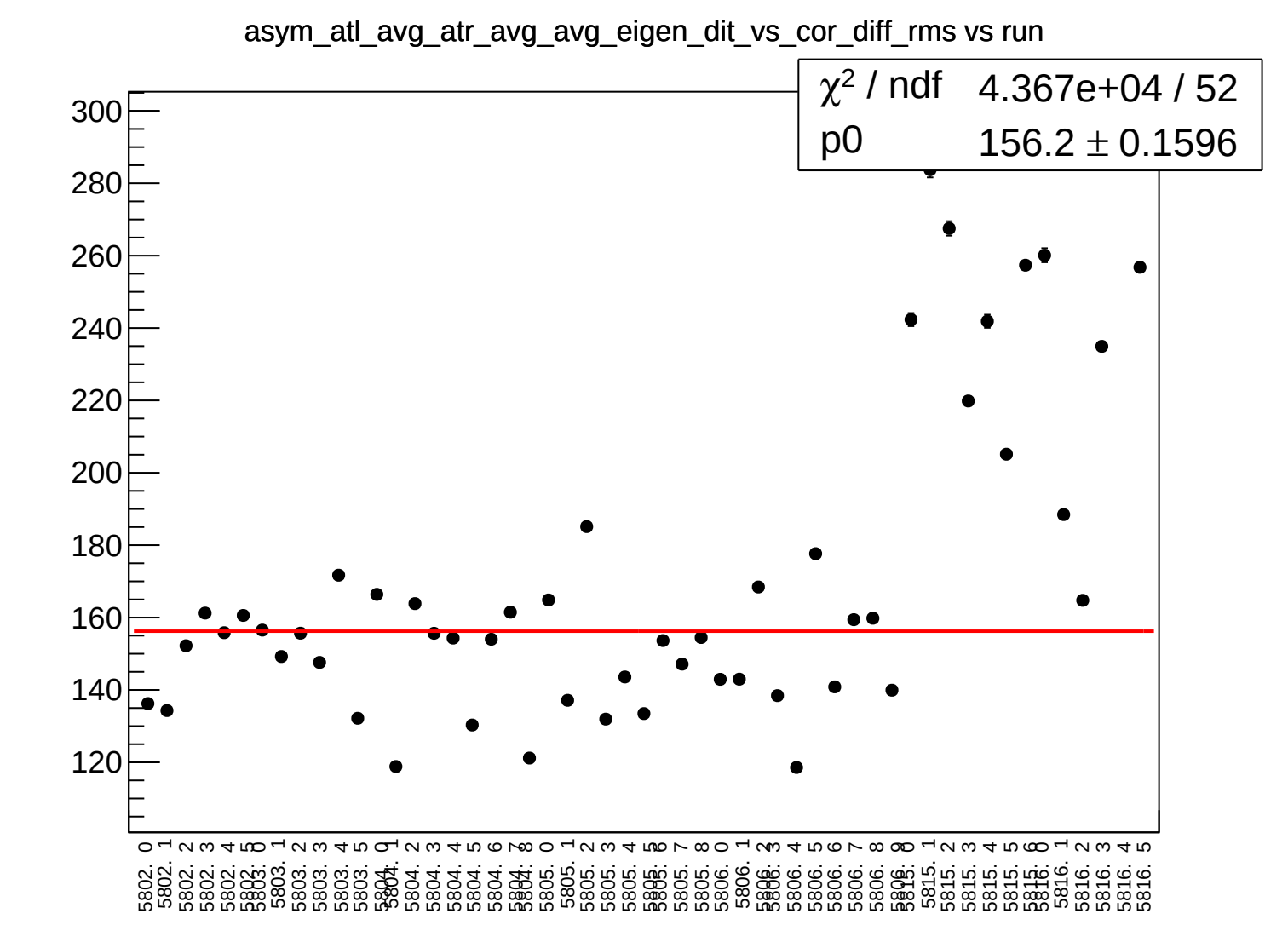

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.368e+04 / 52
p0 156.2 ± 0.1596
300
280
260
240
220
200
180
160
140
120

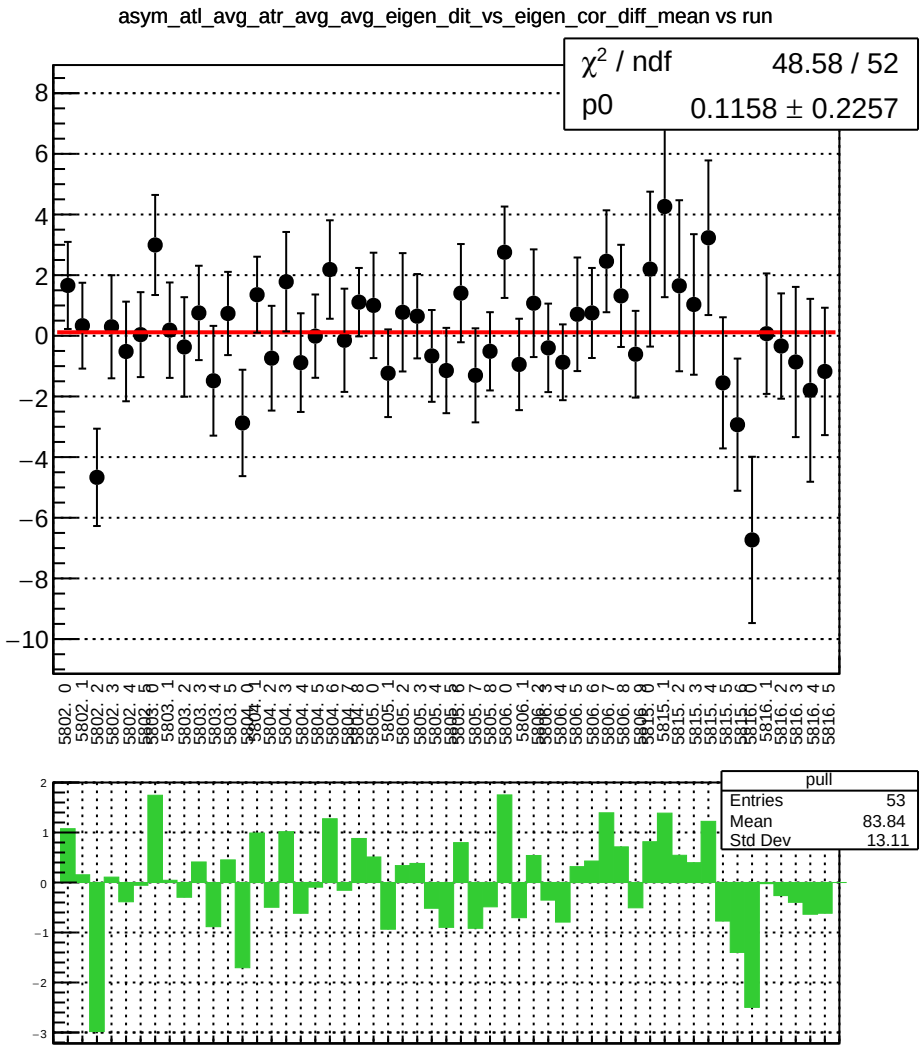

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.14 / 52
p0 6.051e−06 ± 1.463e−05
pull
Entries 53
Mean −80.39
Std Dev 0

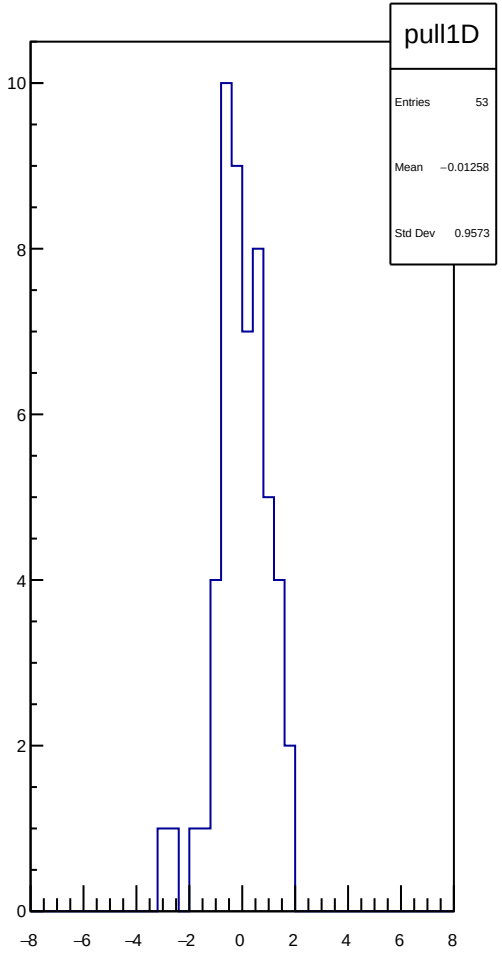

pull1D
Entries 53
Mean −0.02721
Std Dev 1.1

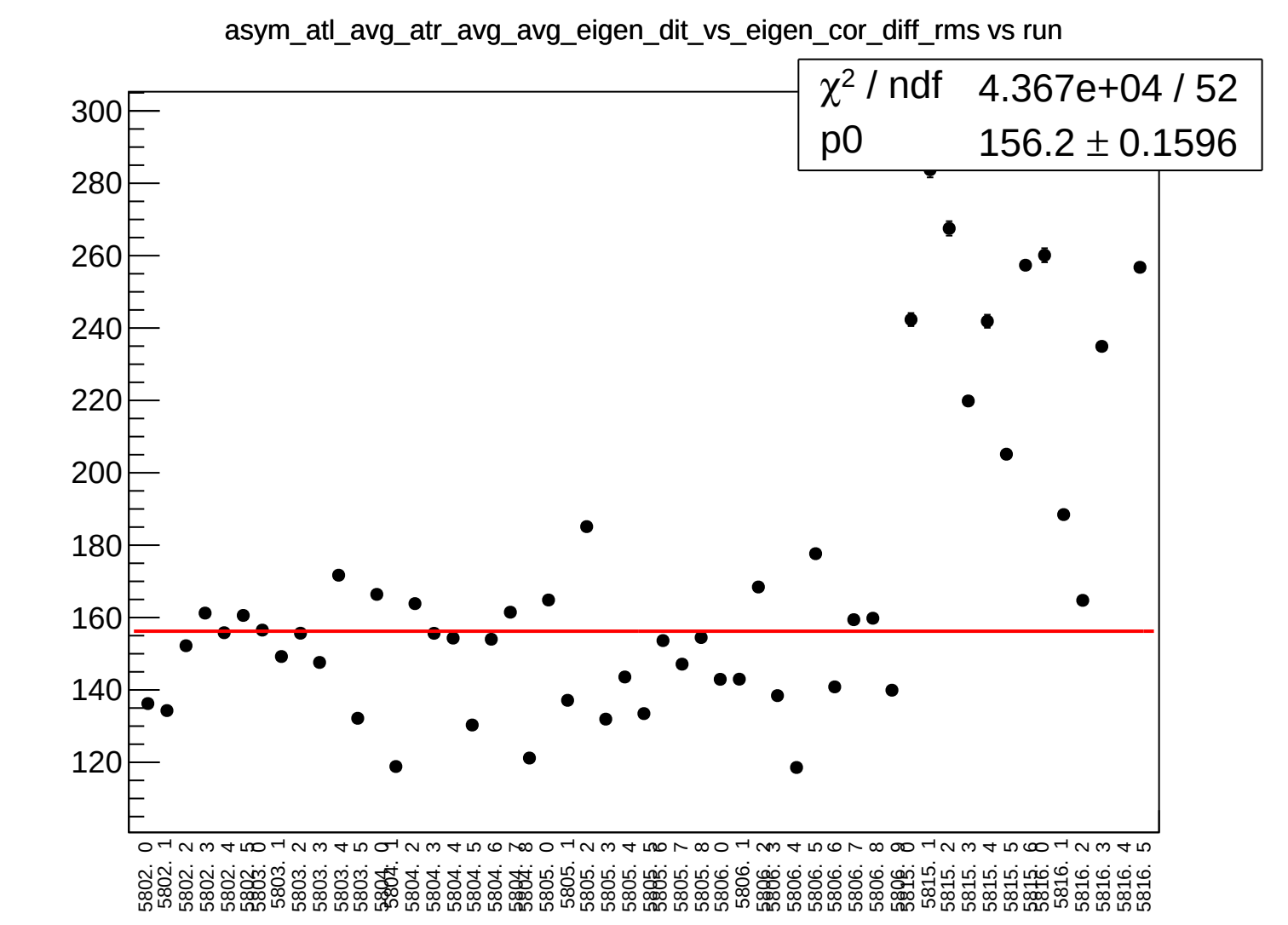

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4435 / 52
p0 0.01033 ± 1.035e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

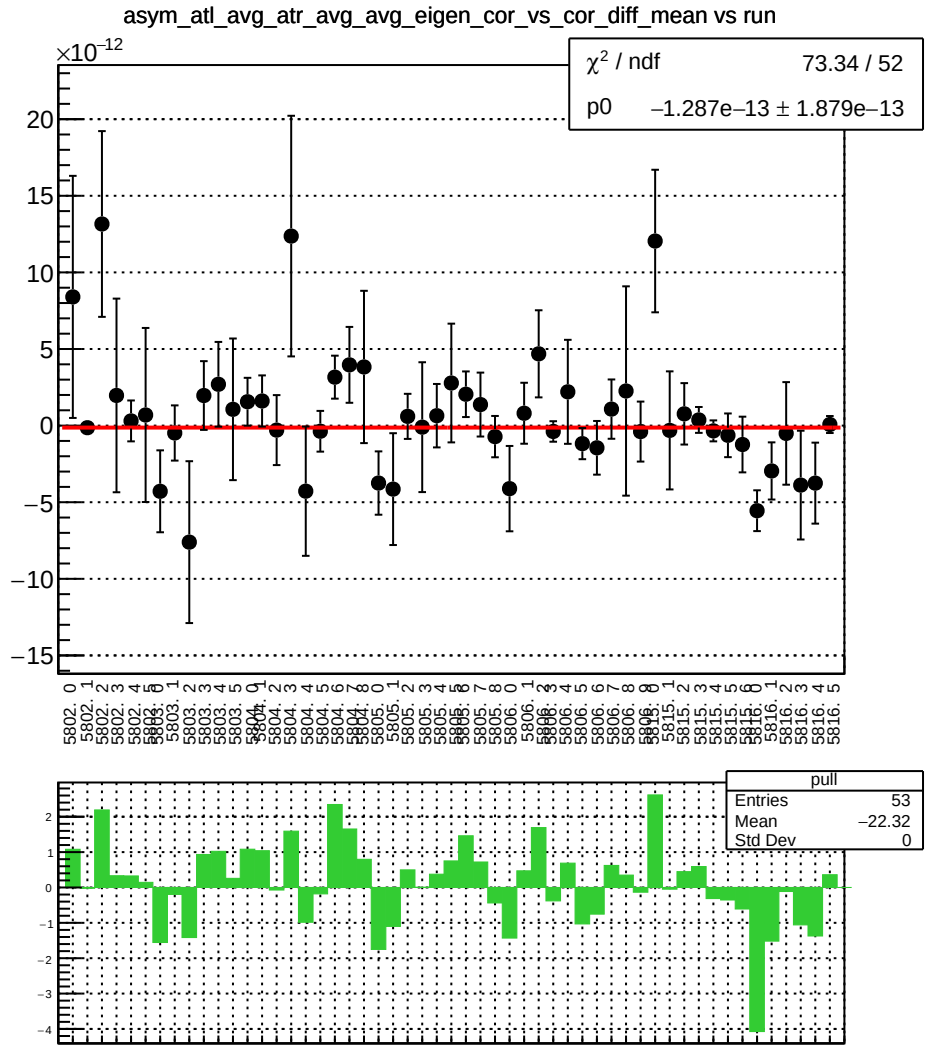

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 0.1158 ± 0.2257
pull
Entries 53
Mean 83.84
Std Dev 13.11
pull1D
Entries 53
Mean −0.01258
Std Dev 0.9573

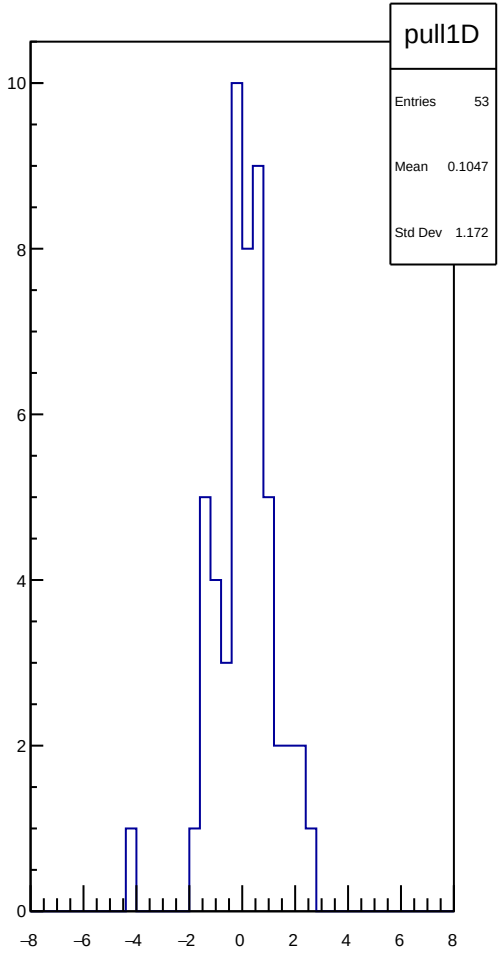

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.367e+04 / 52
p0 156.2 ± 0.1596
300
280
260
240
220
200
180
160
140
120

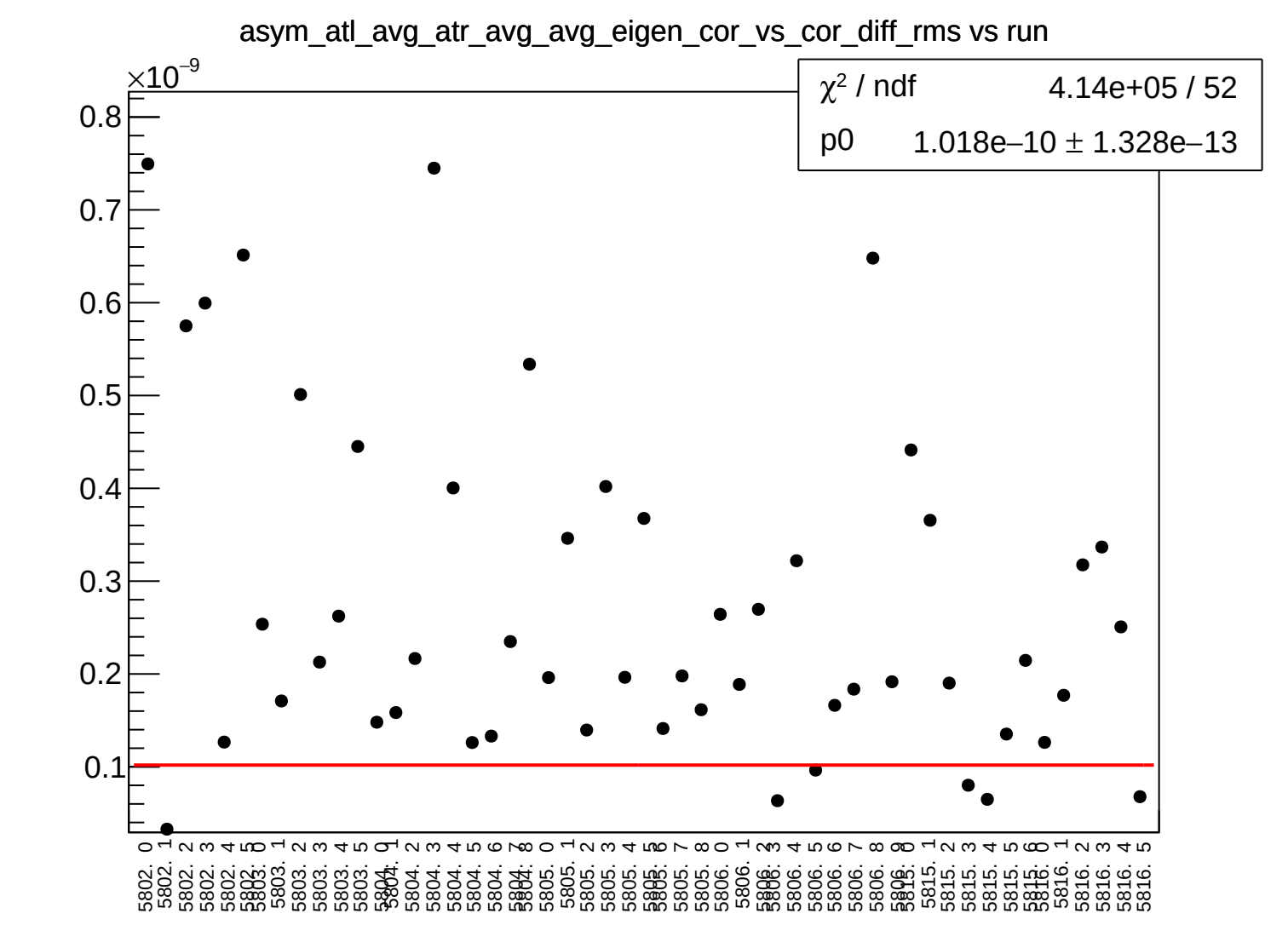

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 0.1158 ± 0.2257
pull
Entries 53
Mean 83.84
Std Dev 13.11

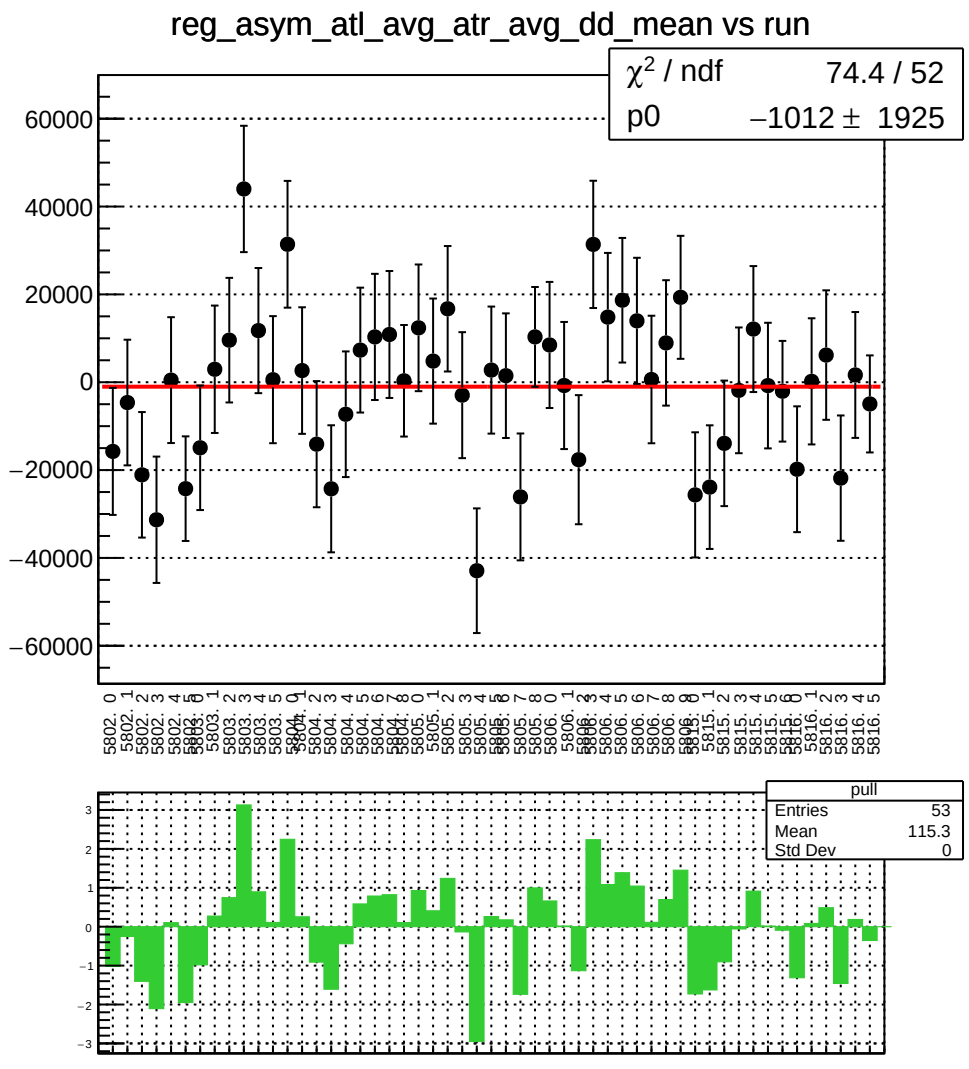

pull1D
Entries 53
Mean −0.01258
Std Dev 0.9573

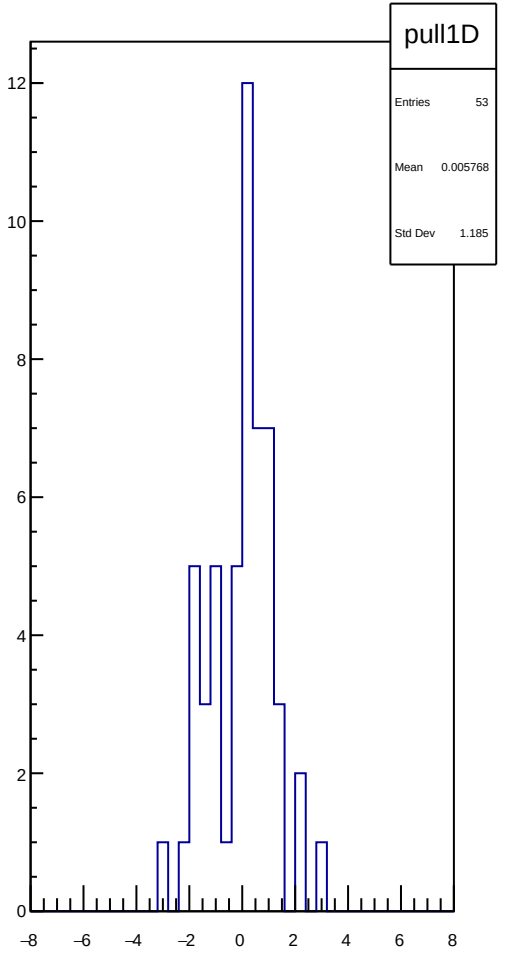

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.367e+04 / 52
p0 156.2 ± 0.1596
300
280
260
240
220
200
180
160
140
120

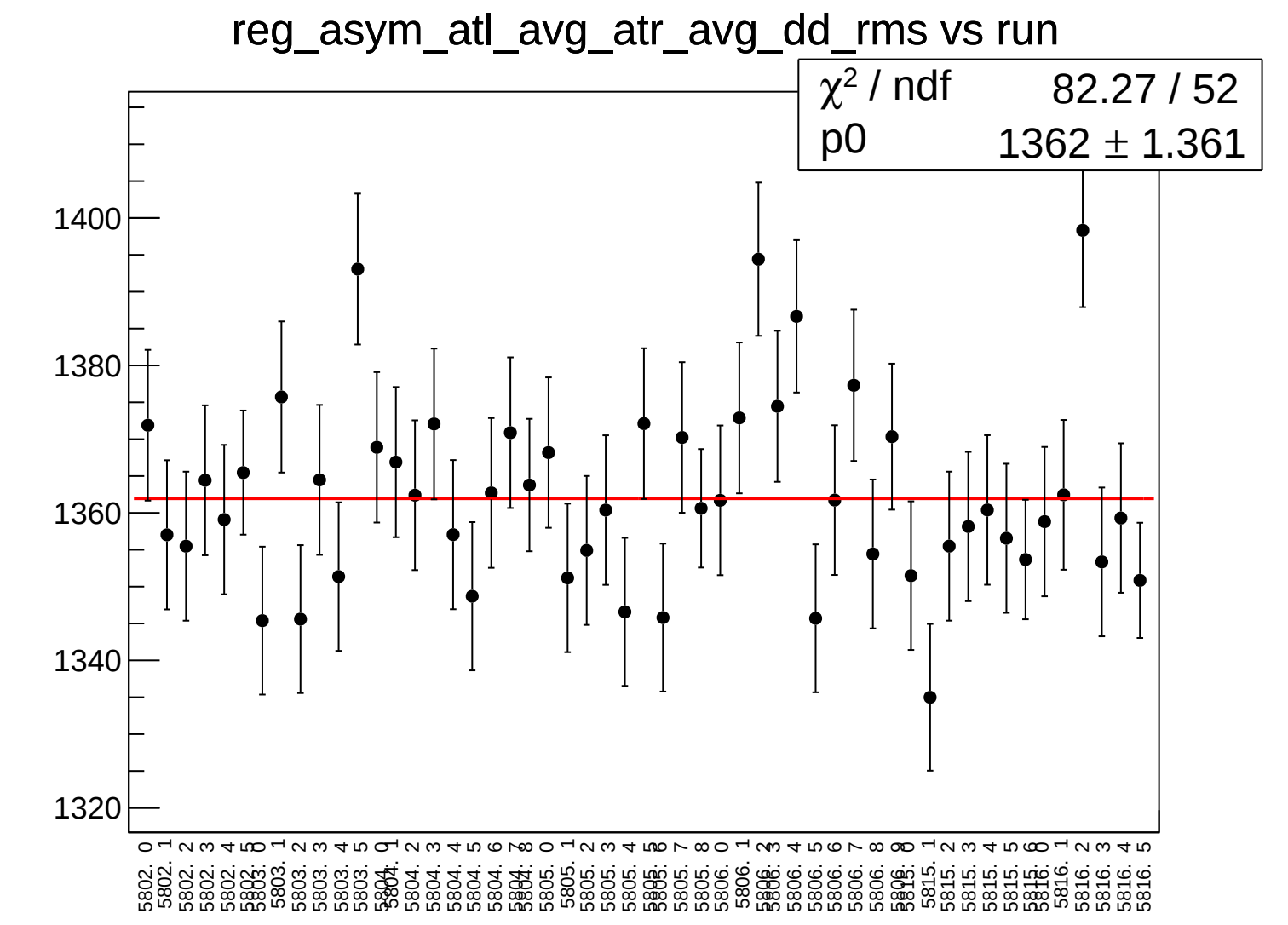

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.34 / 52
p0 −1.287e−13 ± 1.879e−13
pull
Entries 53
Mean −22.32
Std Dev 0

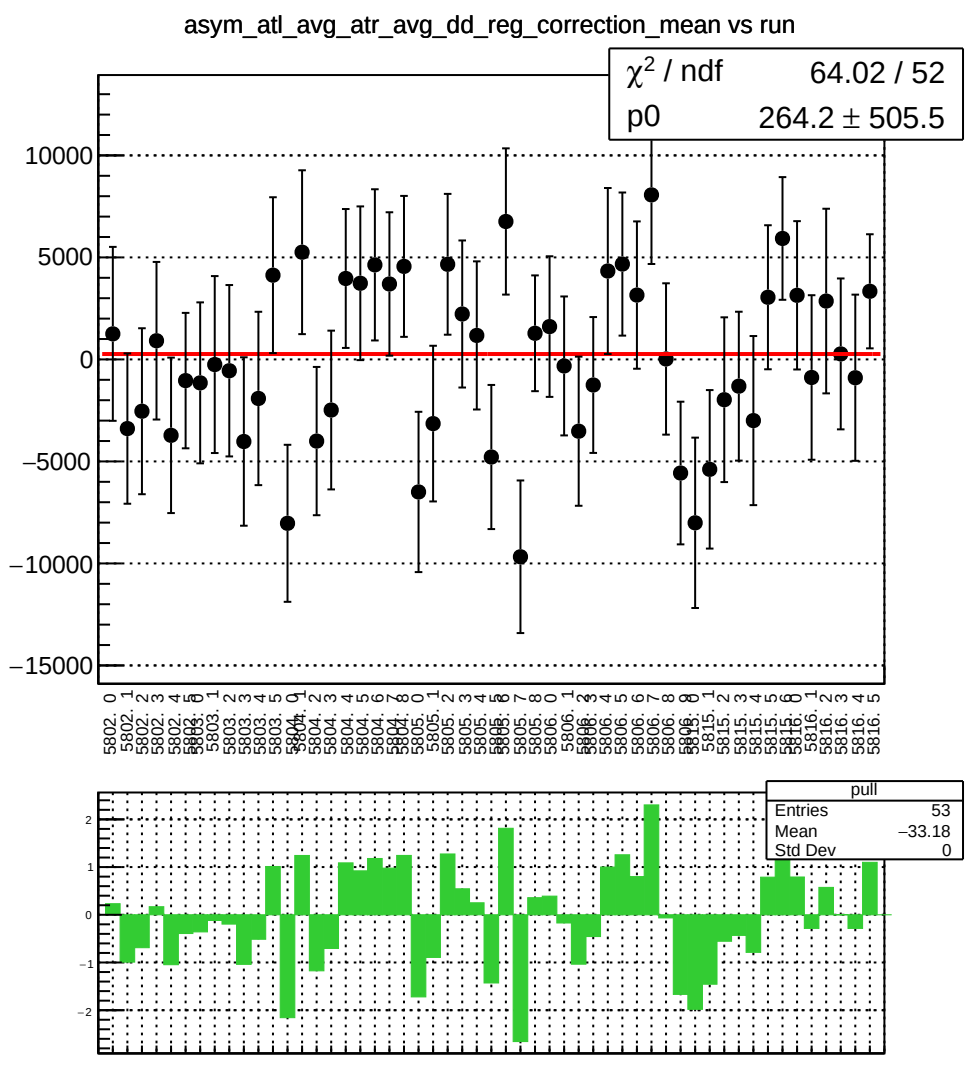

pull1D
Entries 53
Mean 0.1047
Std Dev 1.172

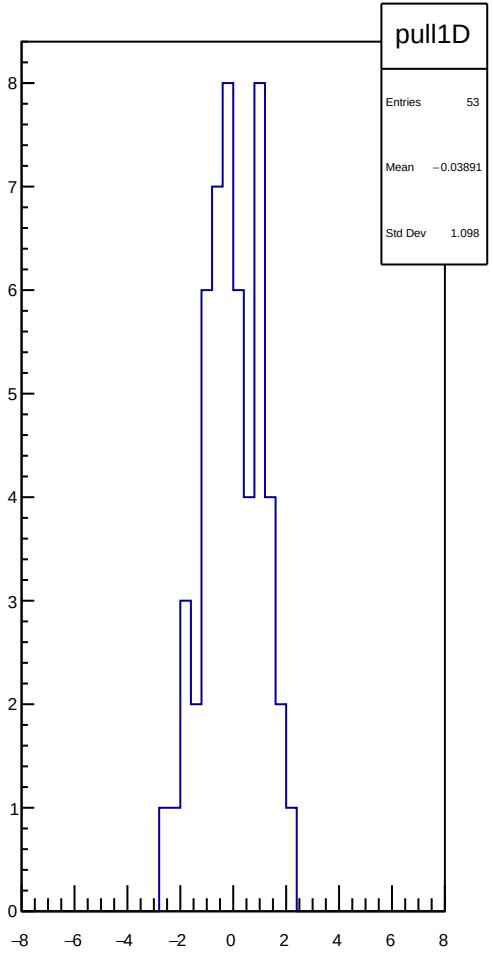

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.14e+05 / 52
p0 1.018e−10 ± 1.328e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

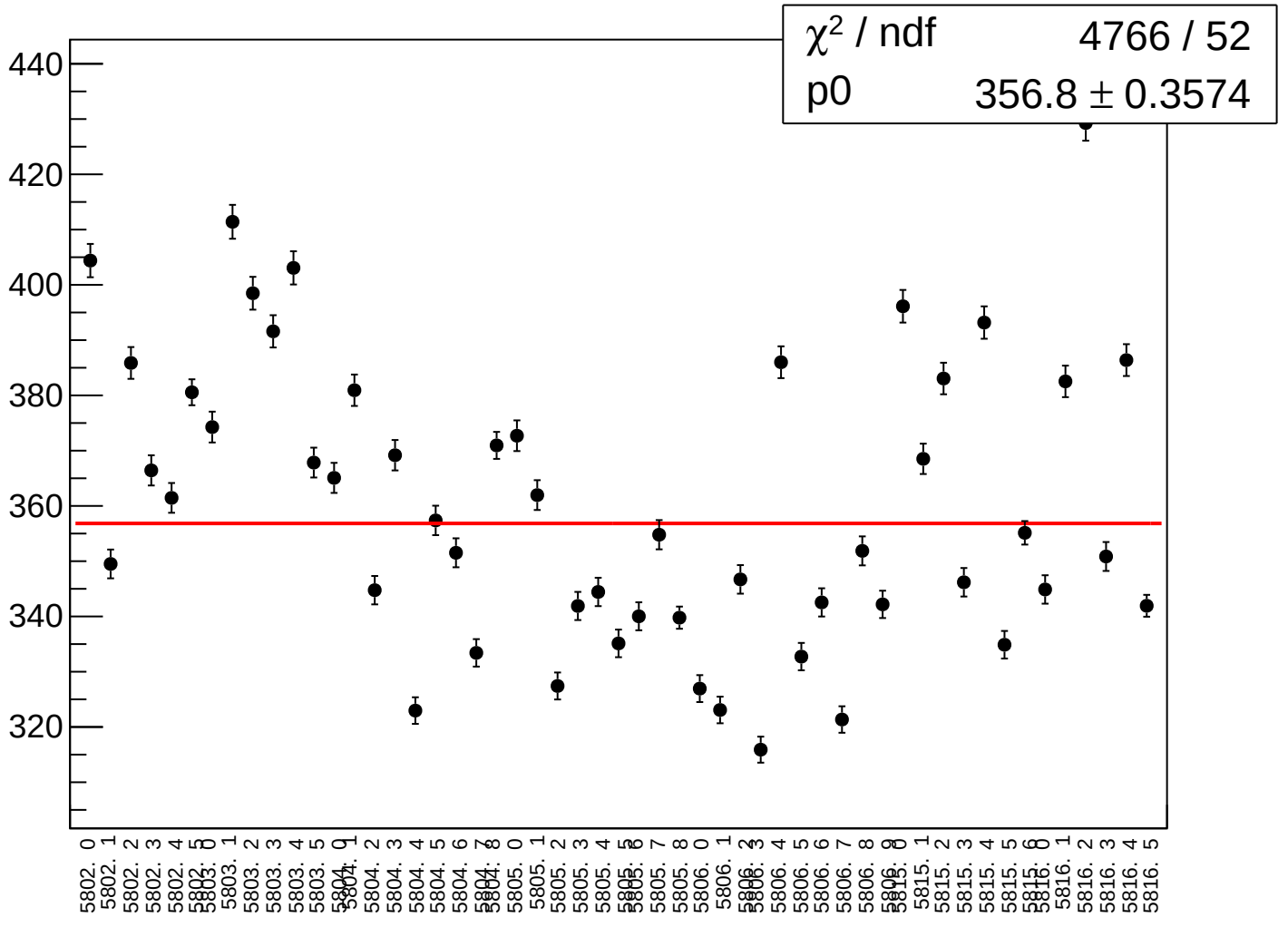

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.4 / 52
p0 −1012 ± 1925
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 115.3
Std Dev 0
3
2
1
0
−1
−2
−3

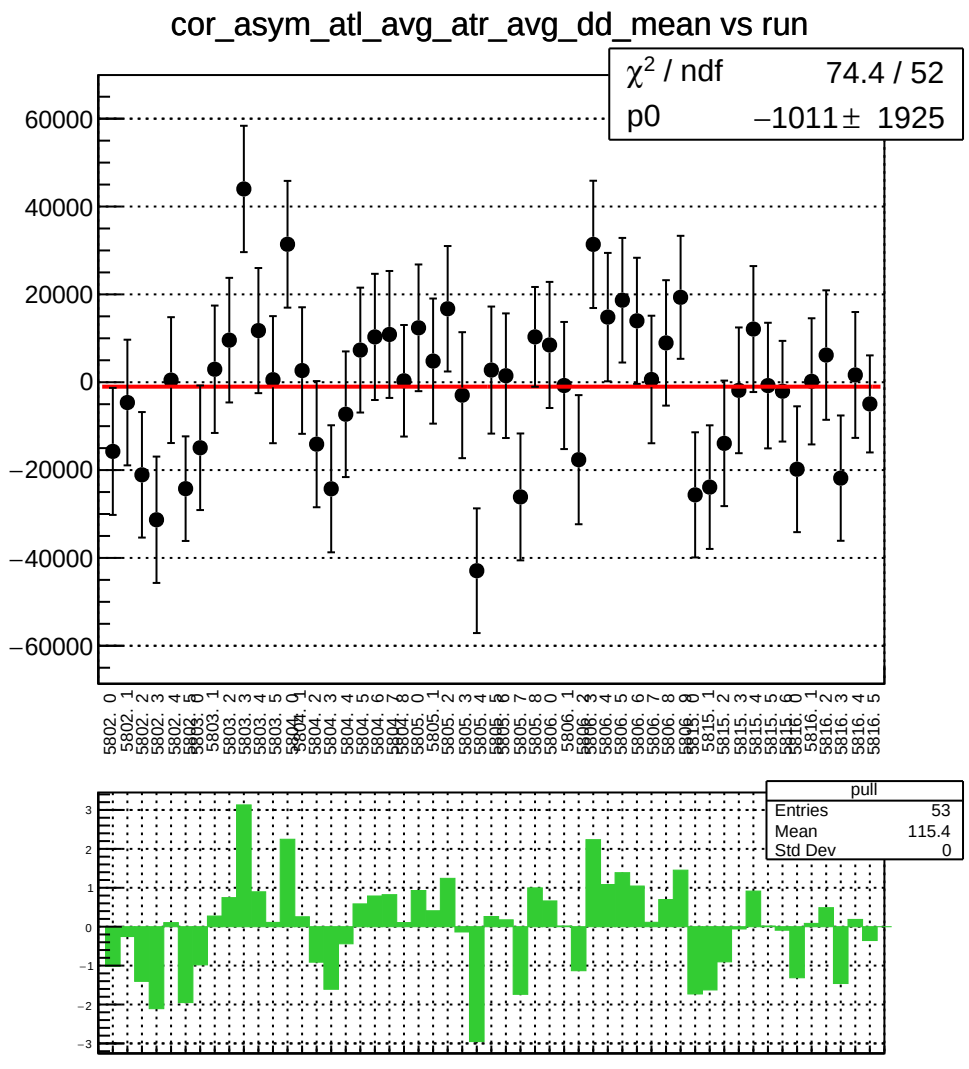

pull1D
Entries 53
Mean 0.005768
Std Dev 1.185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

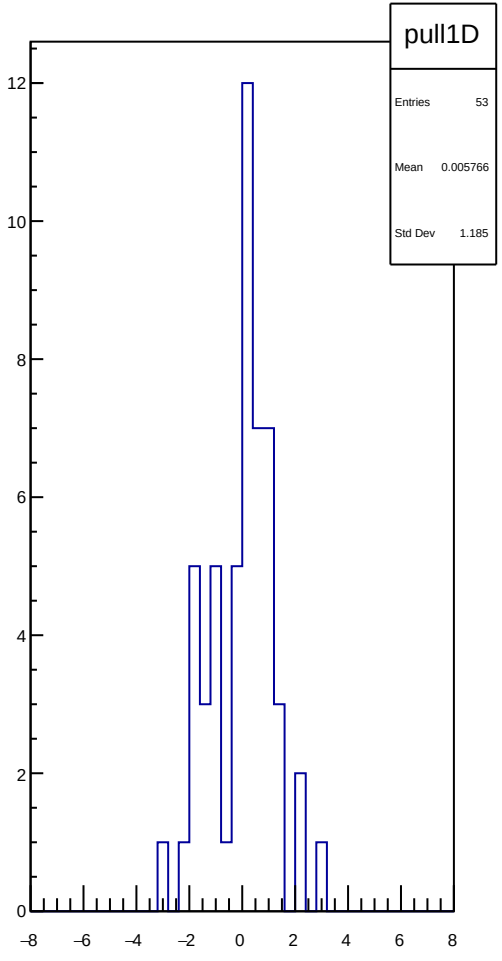

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320

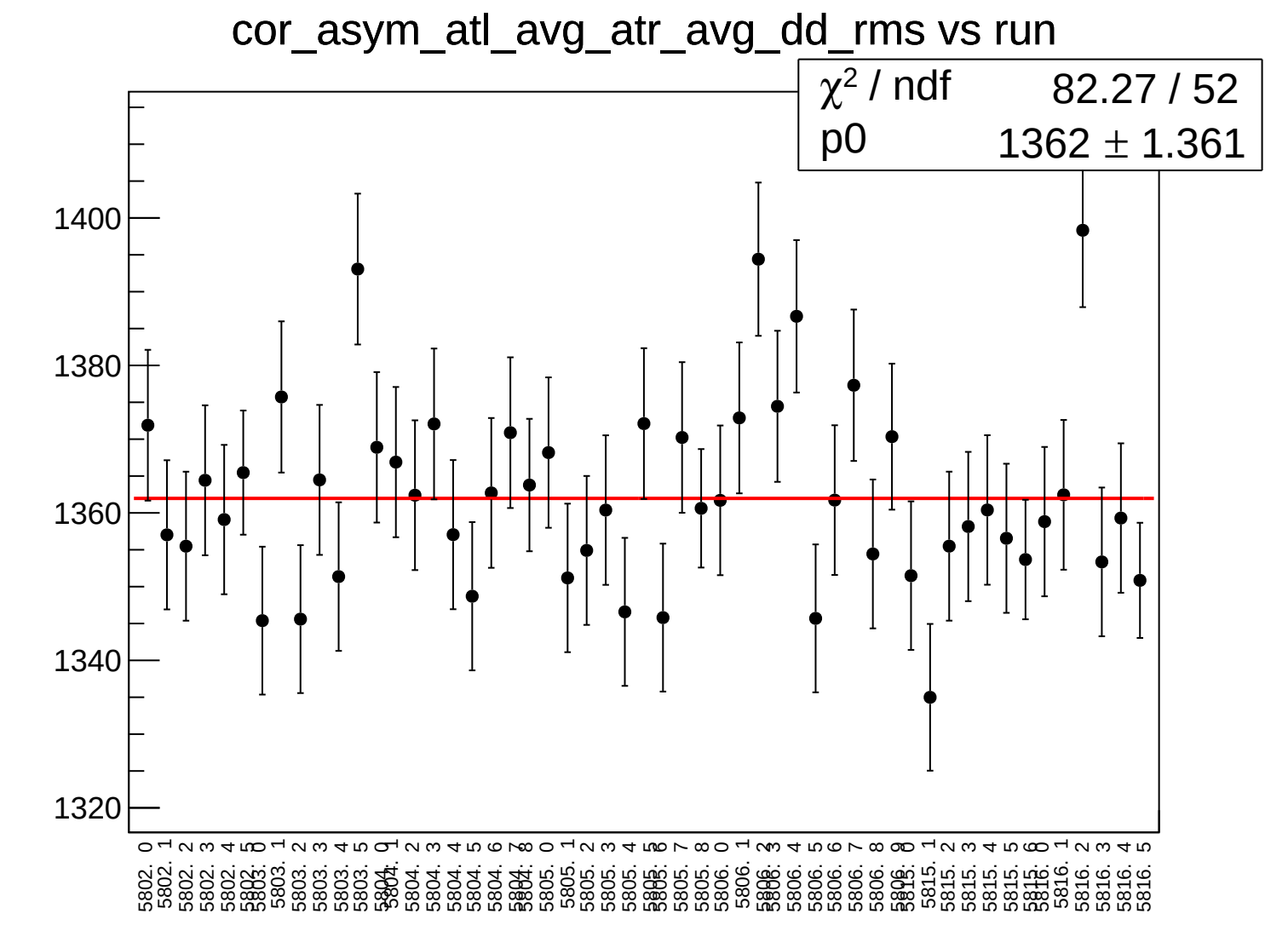

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.2 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.18
Std Dev 0
2
1
0
−1
−2

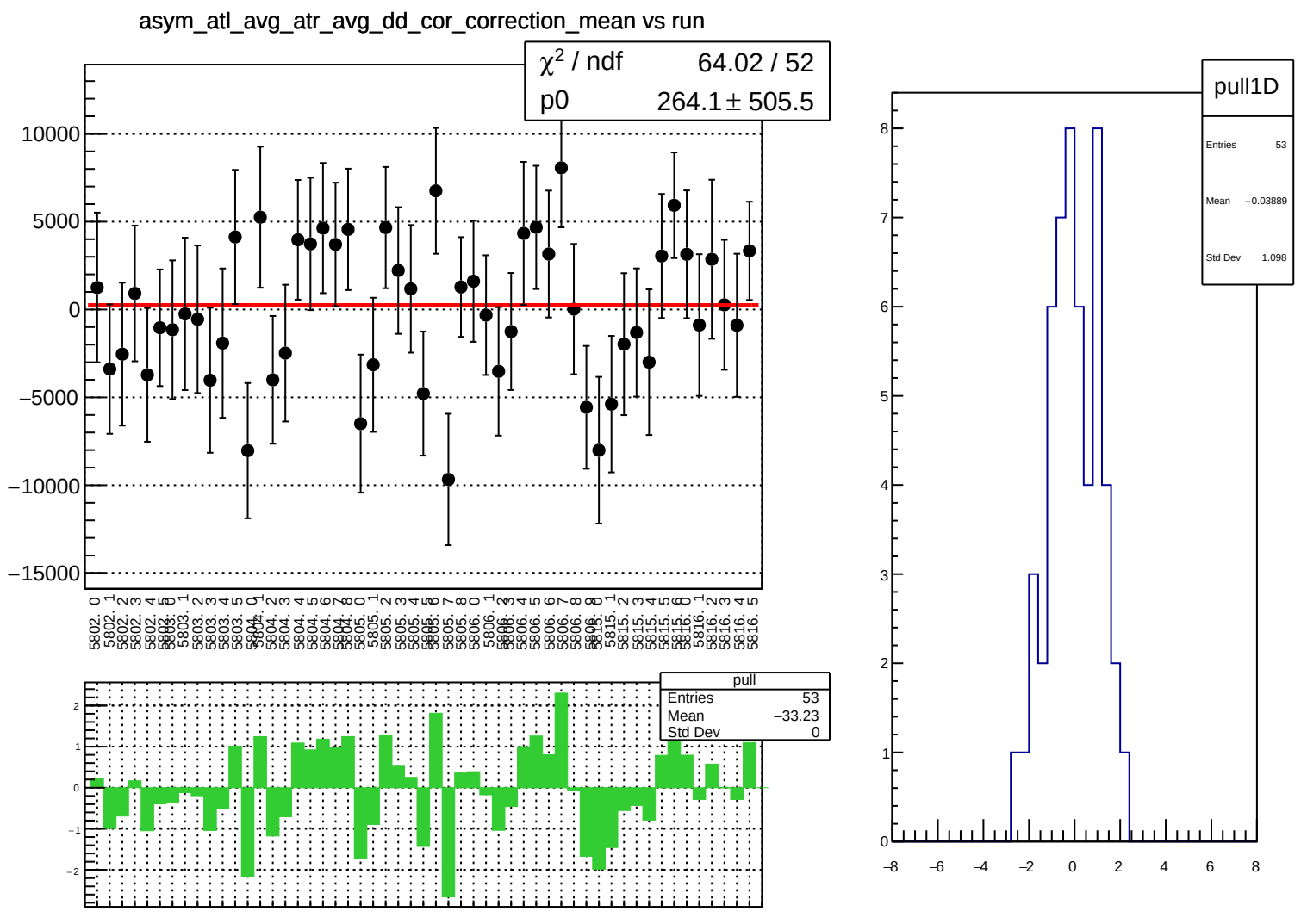

pull1D
Entries 53
Mean −0.03891
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

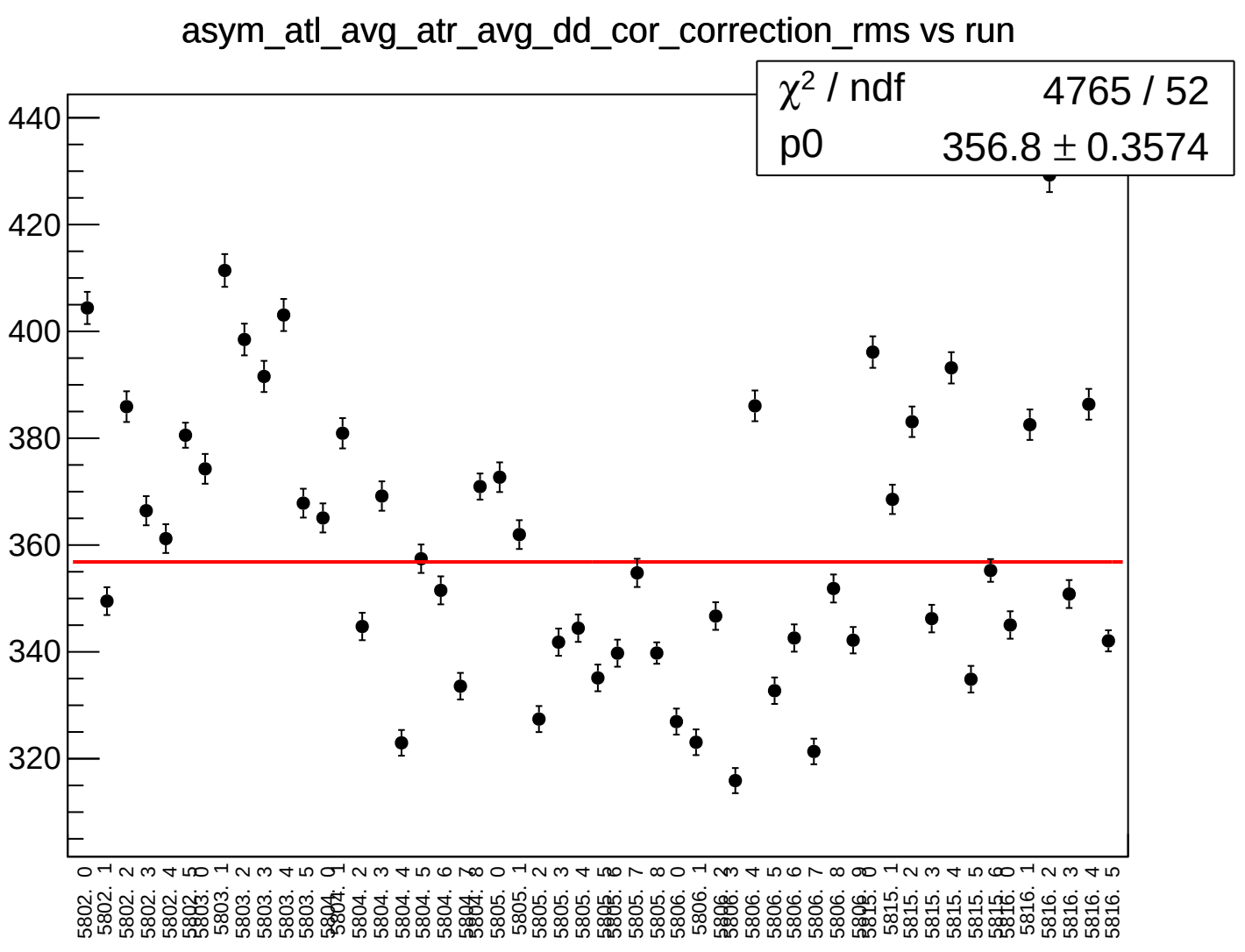

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 4766 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

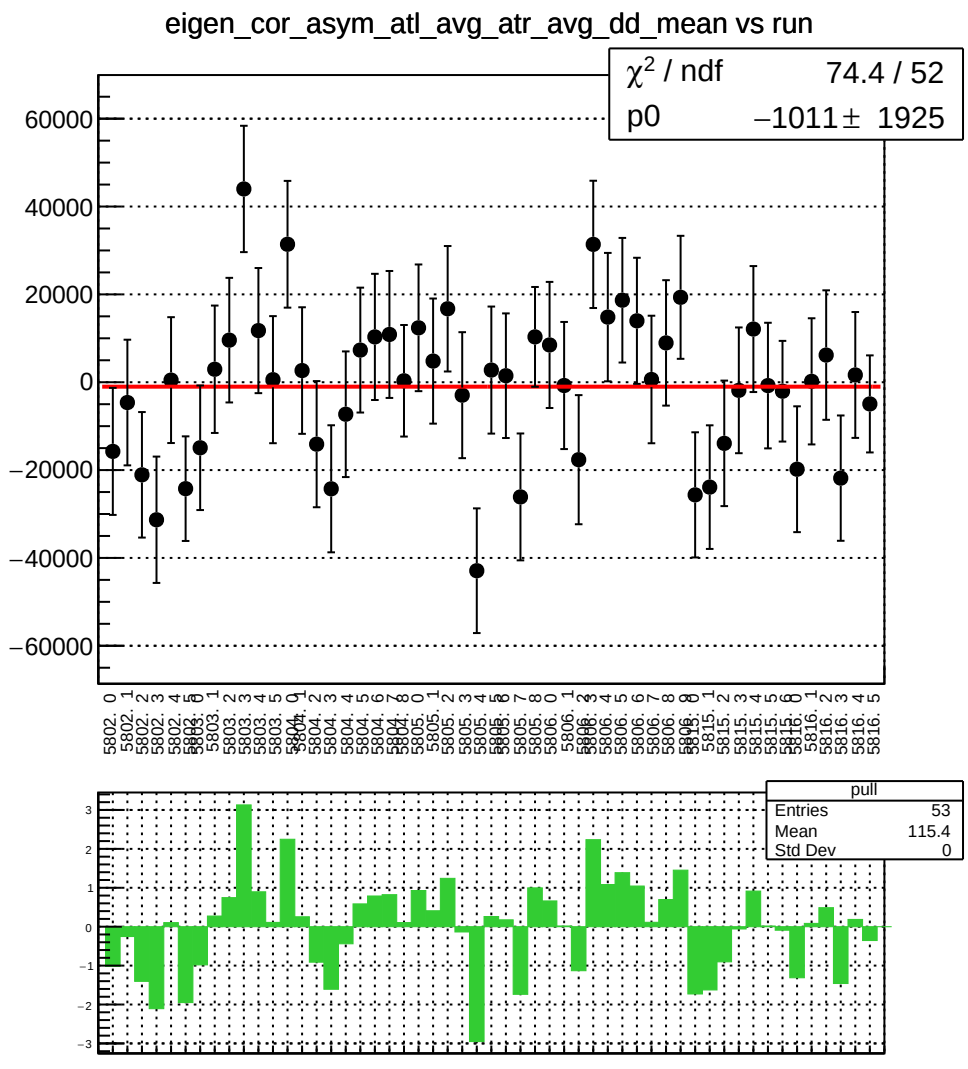

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.4 / 52
p0 −1011 ± 1925
pull
Entries 53
Mean 115.4
Std Dev 0

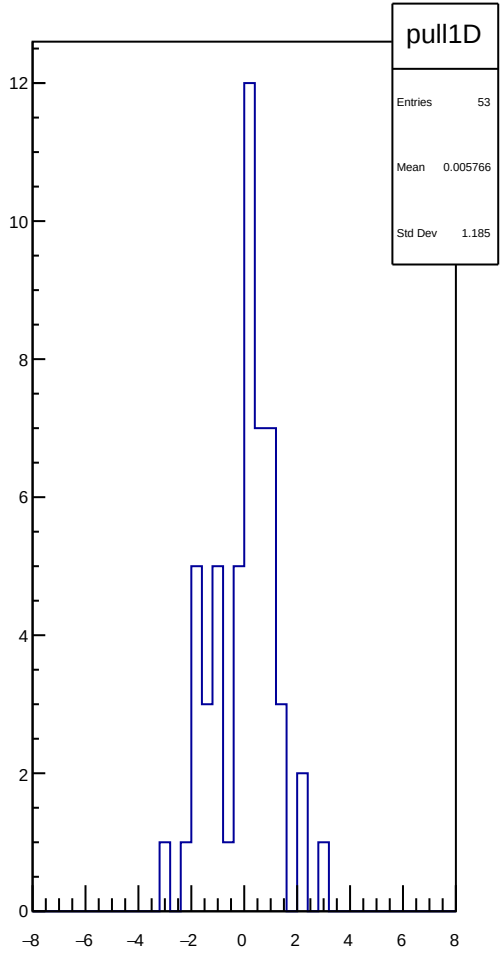

pull1D
Entries 53
Mean 0.005766
Std Dev 1.185

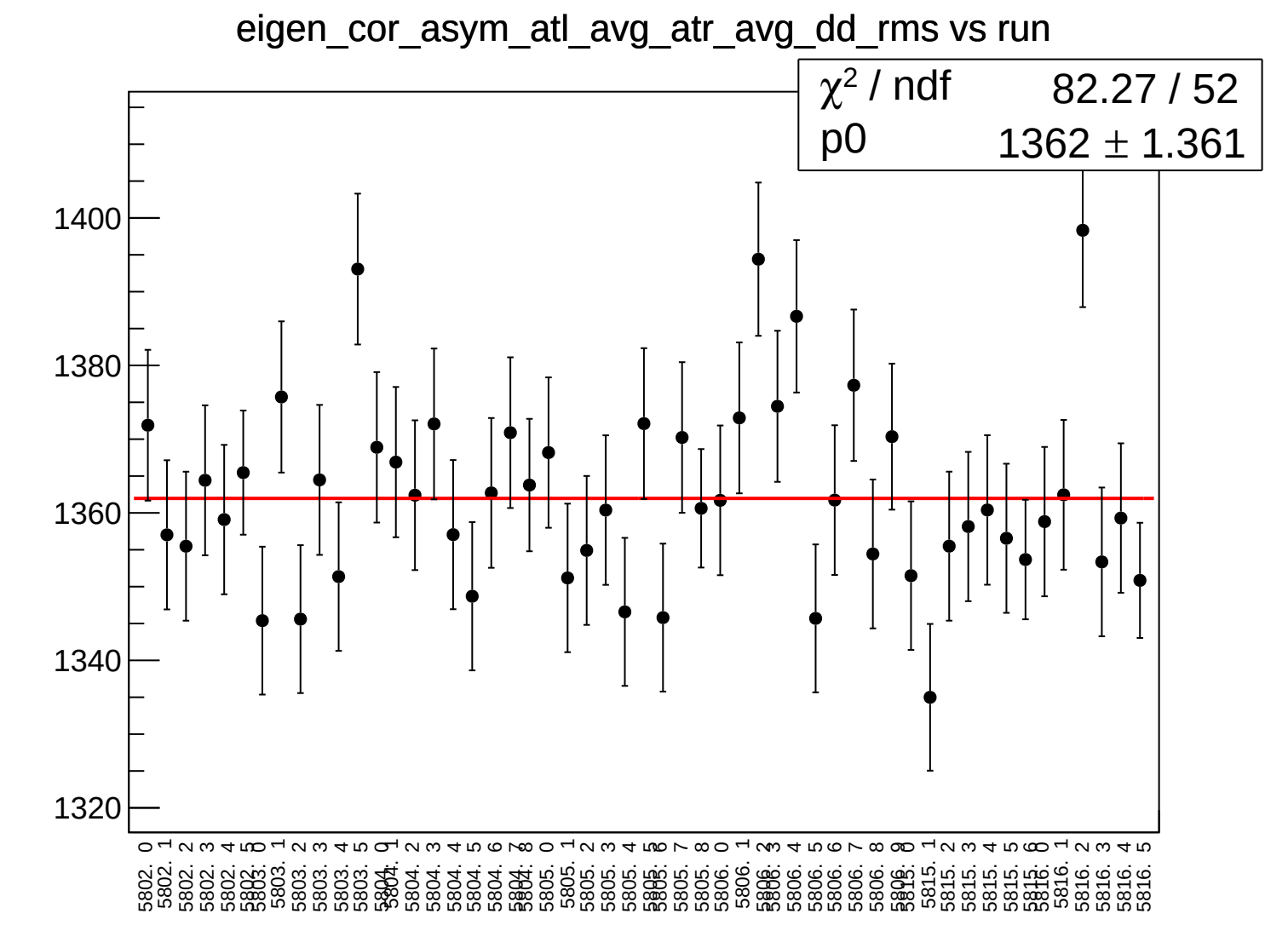

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

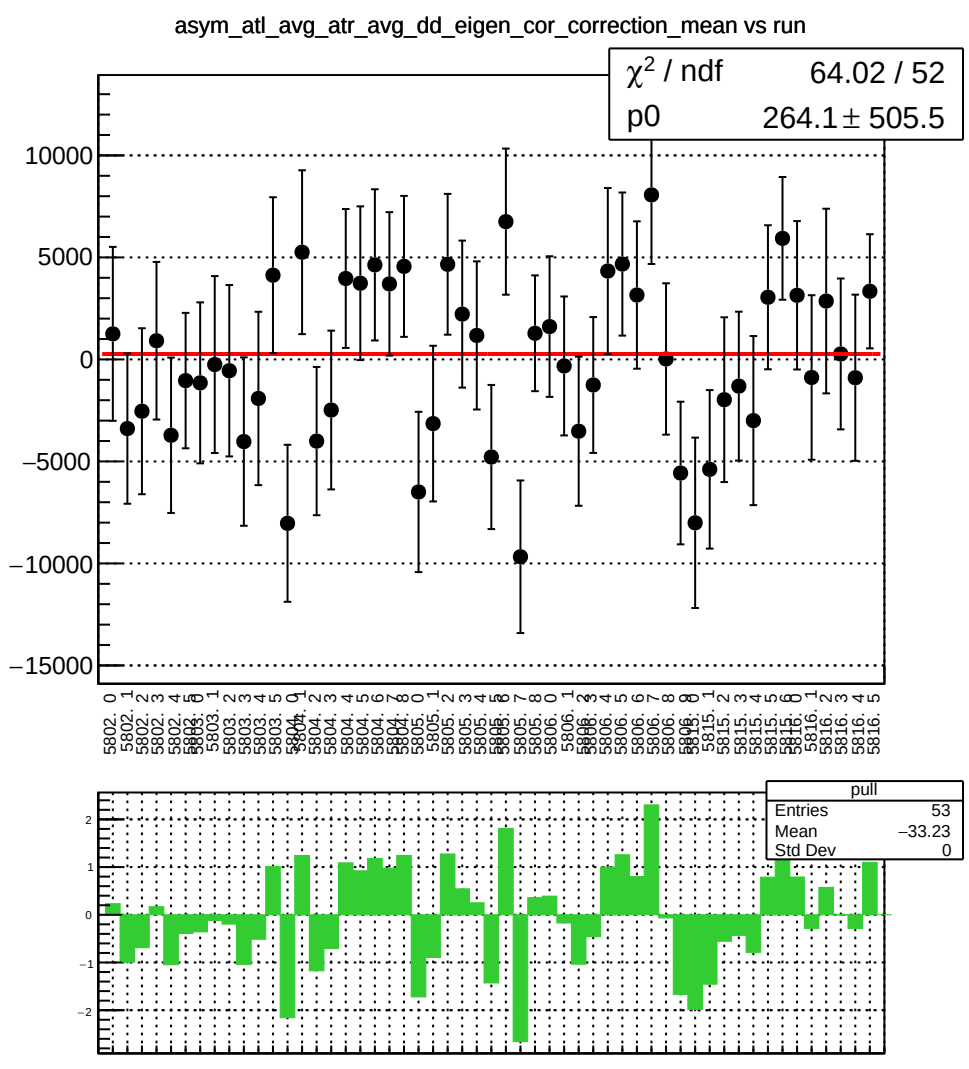

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.1 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.23
Std Dev 0
pull1D
Entries 53
Mean −0.03889
Std Dev 1.098

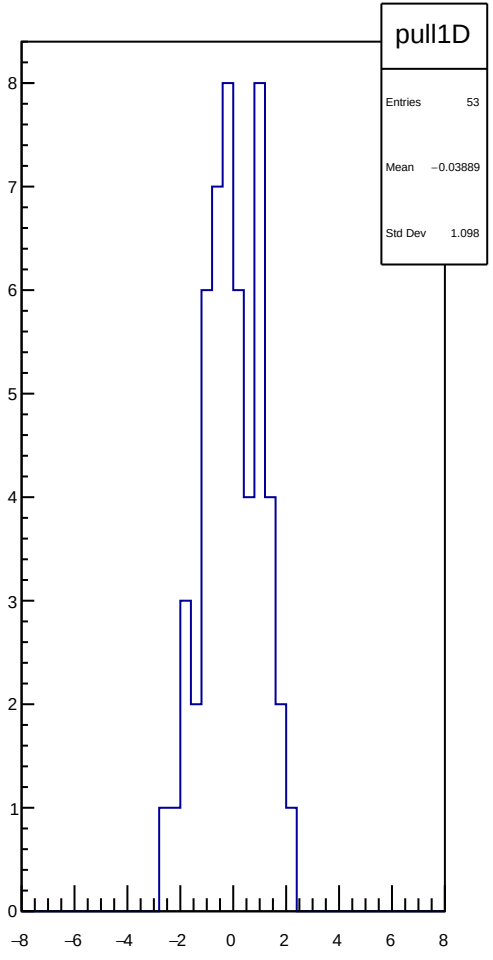

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 4765 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

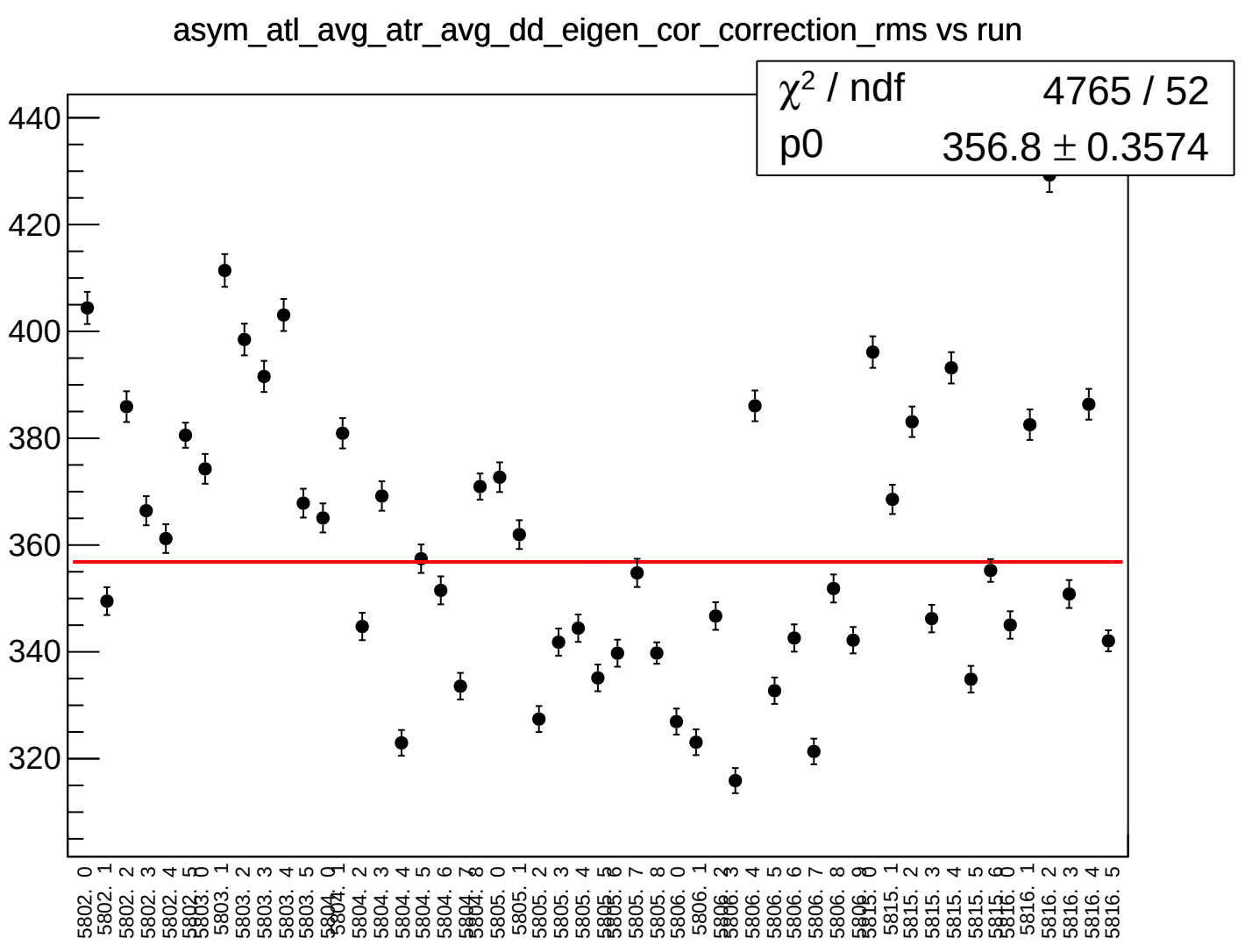

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.4 / 52
p0 −1011 ± 1925
pull
Entries 53
Mean 115.4
Std Dev 0

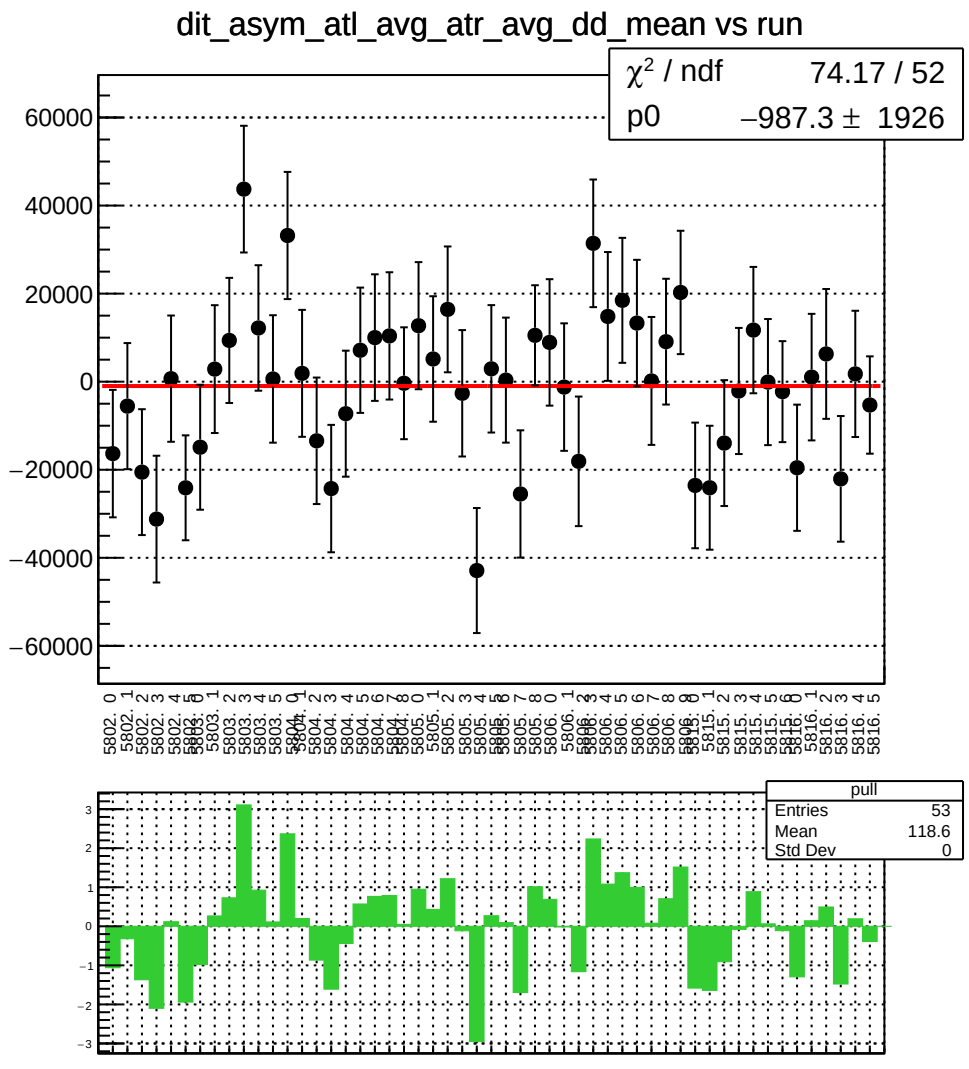

pull1D
Entries 53
Mean 0.005766
Std Dev 1.185

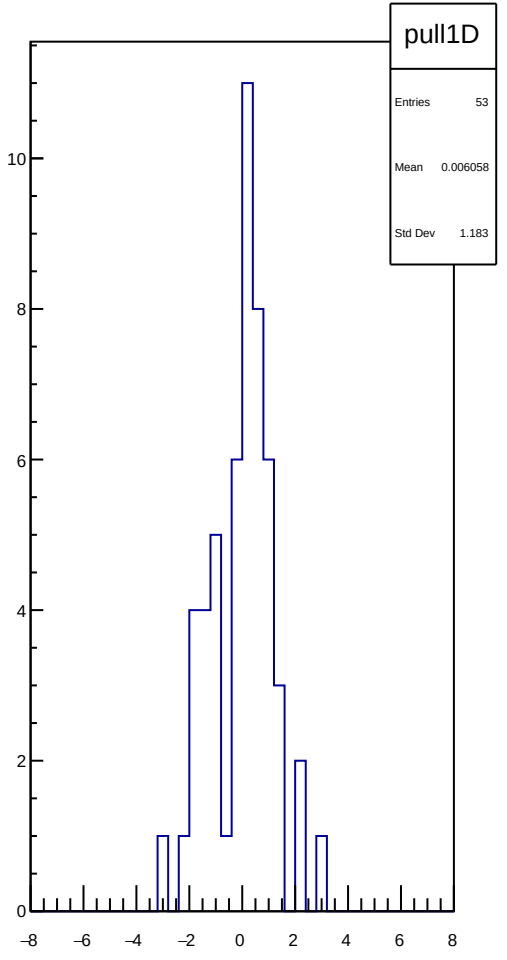

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320

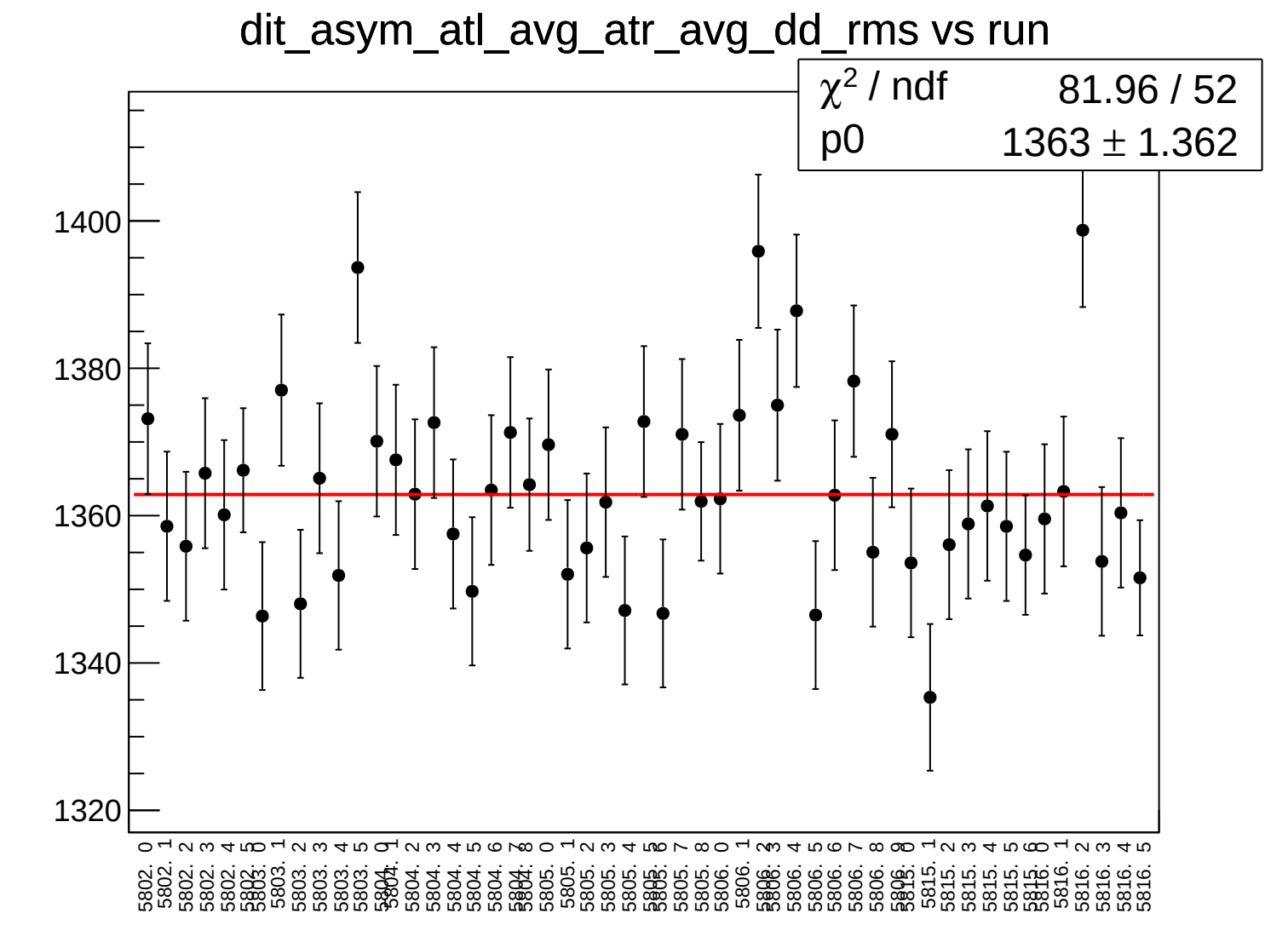

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.1 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.23
Std Dev 0
2
1
0
−1
−2

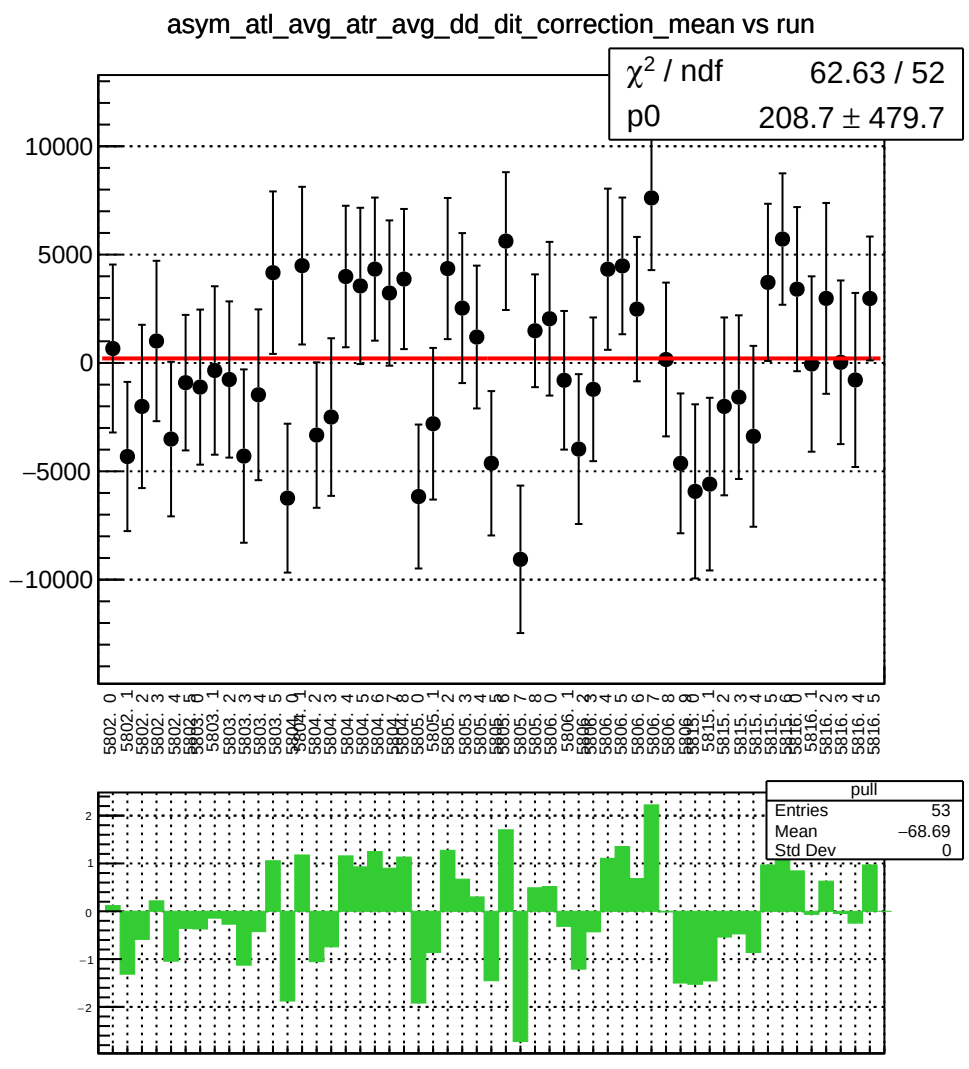

pull1D
Entries 53
Mean −0.03889
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

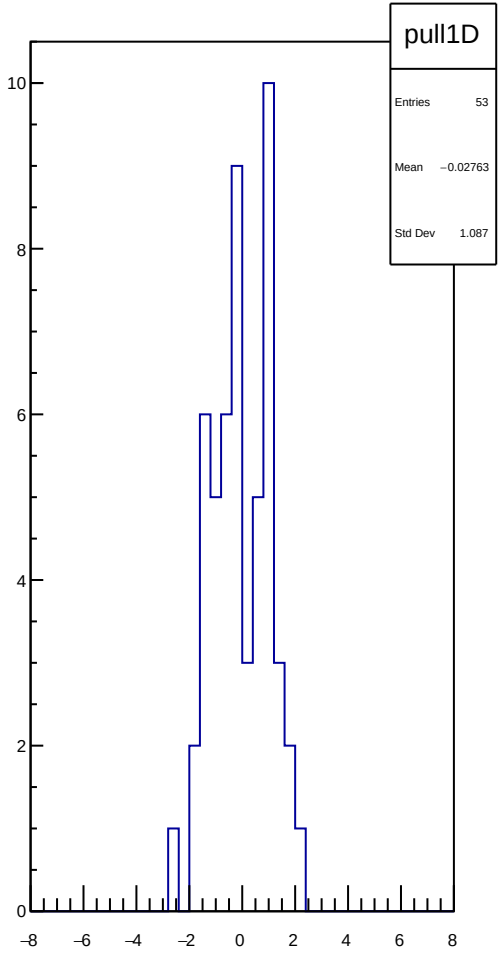

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4765 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

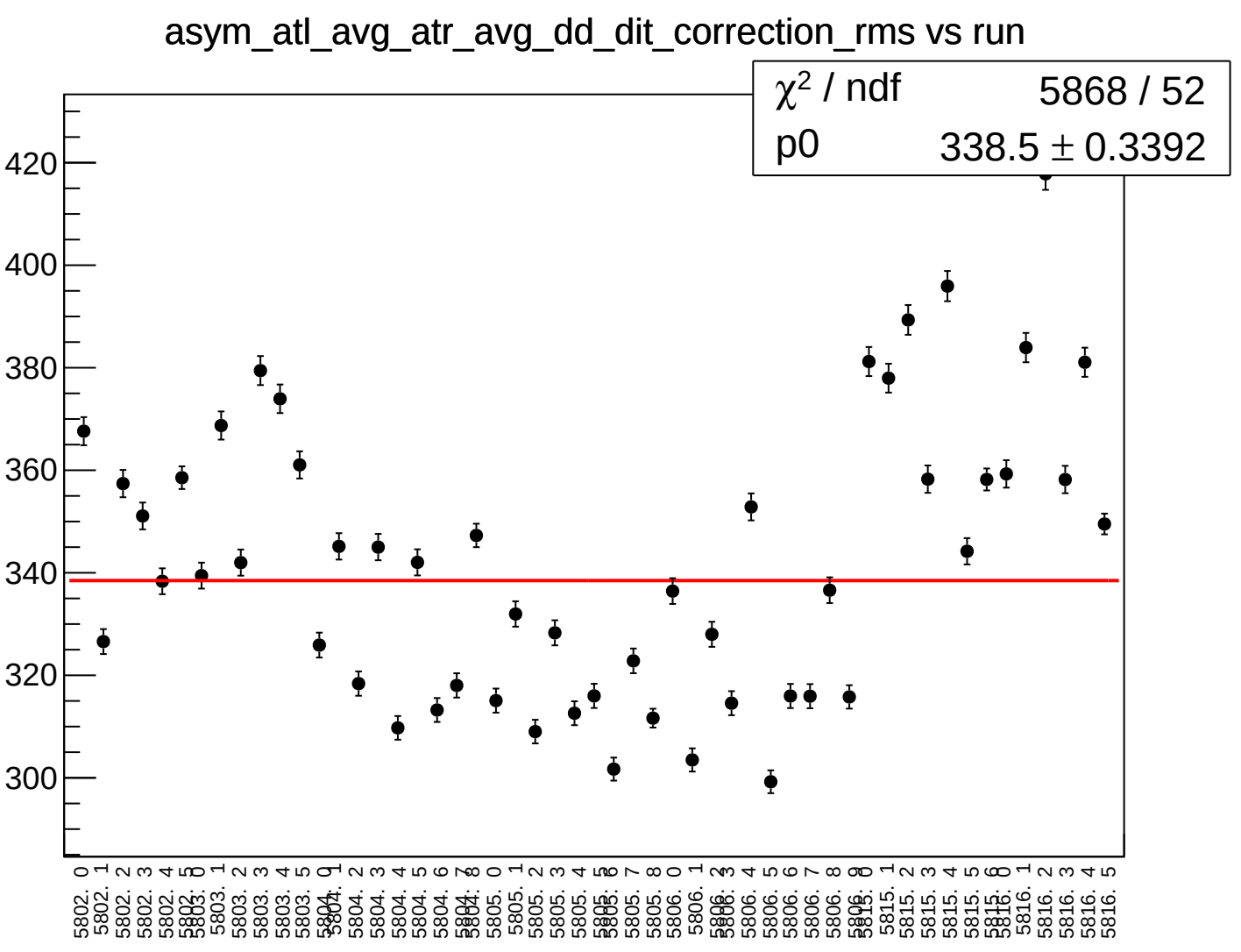

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.17 / 52
p0 −987.3 ± 1926
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 118.6
Std Dev 0

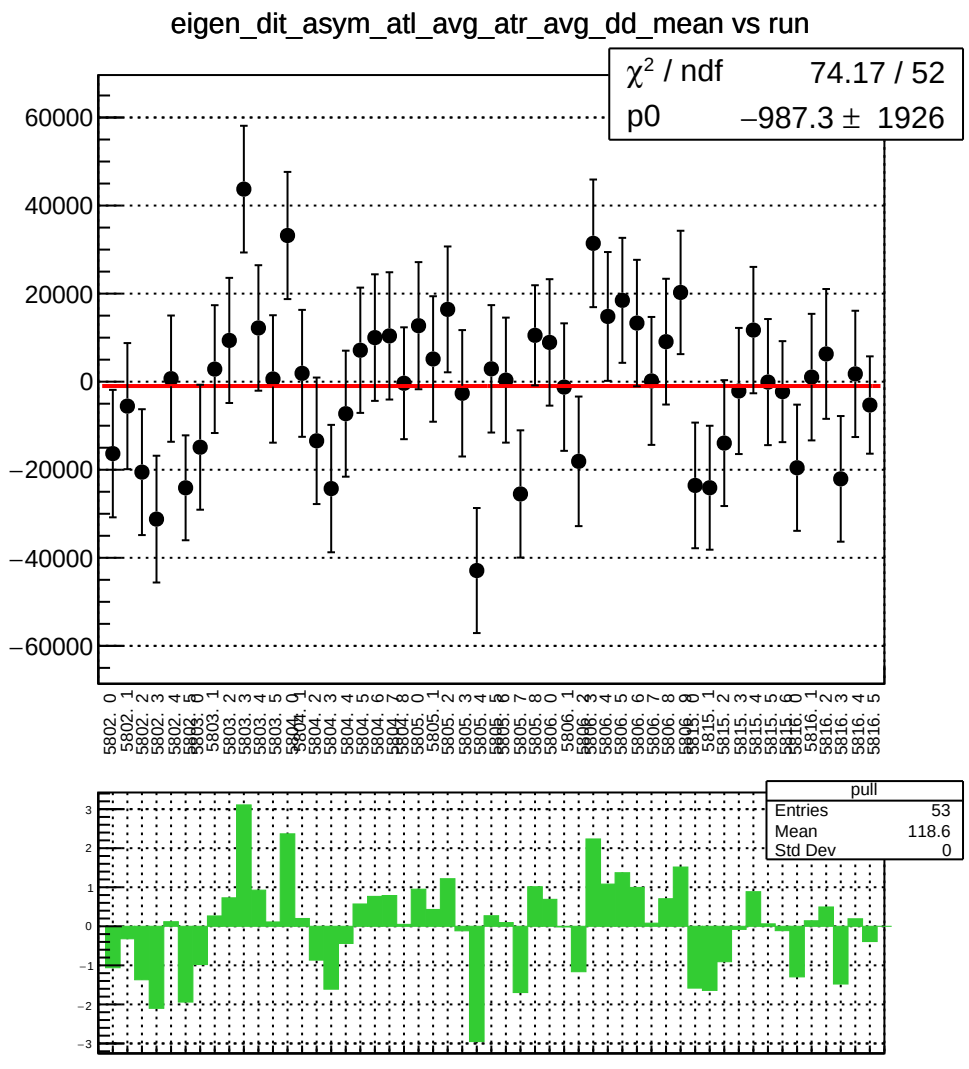

pull1D
Entries 53
Mean 0.006058
Std Dev 1.183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

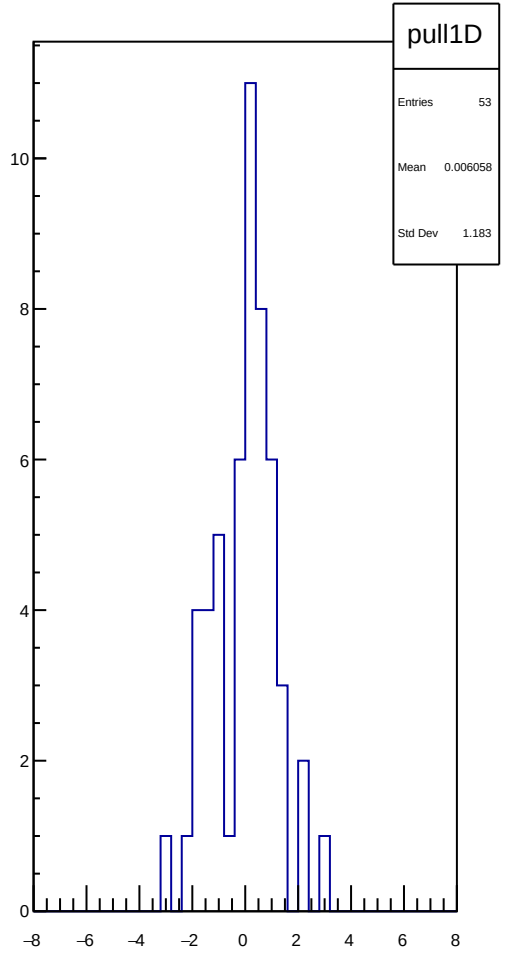

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 81.96 / 52
p0 1363 ± 1.362
1400
1380
1360
1340
1320

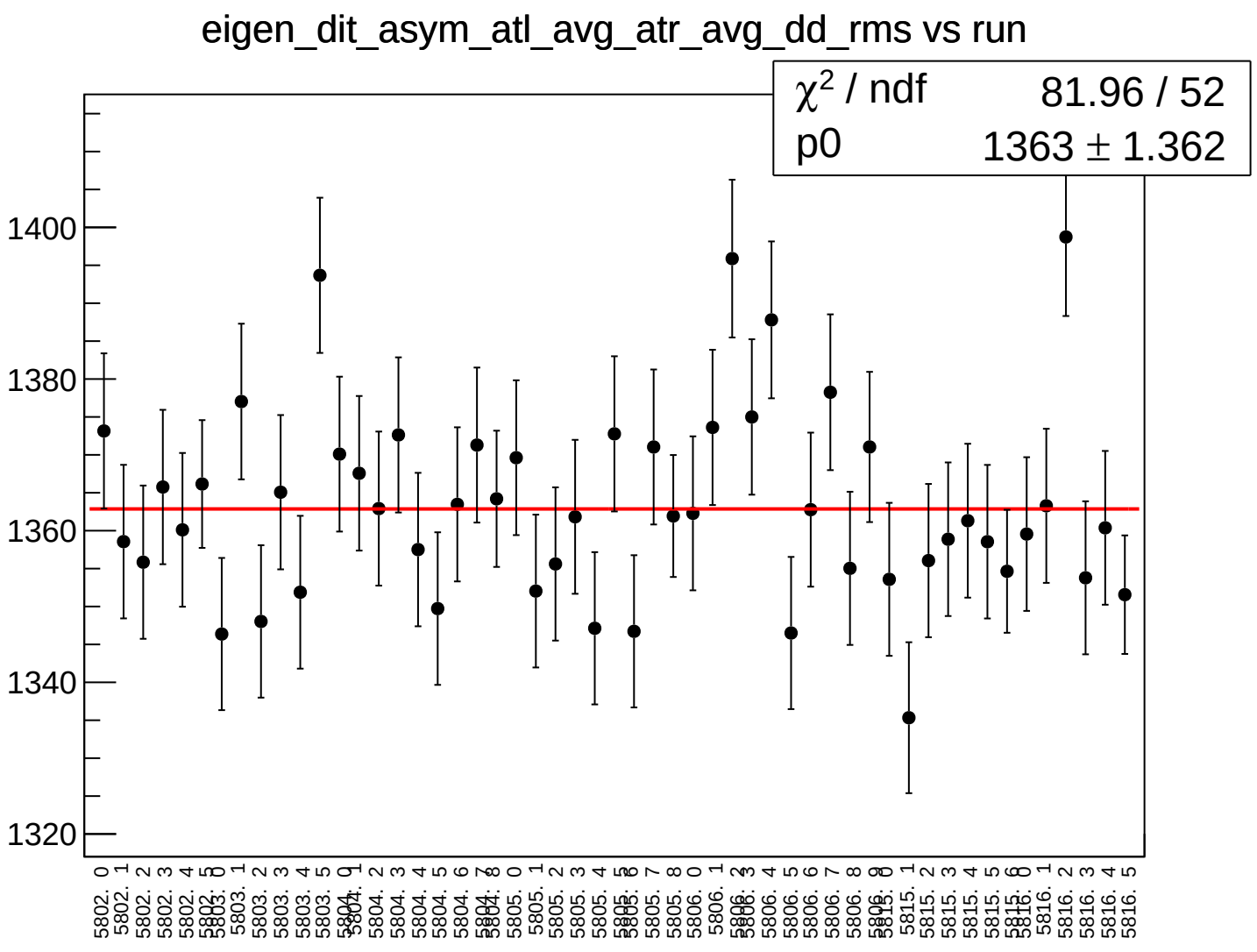

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 62.63 / 52
p0 208.7 ± 479.7
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −68.69
Std Dev 0
2
1
0
−1
−2

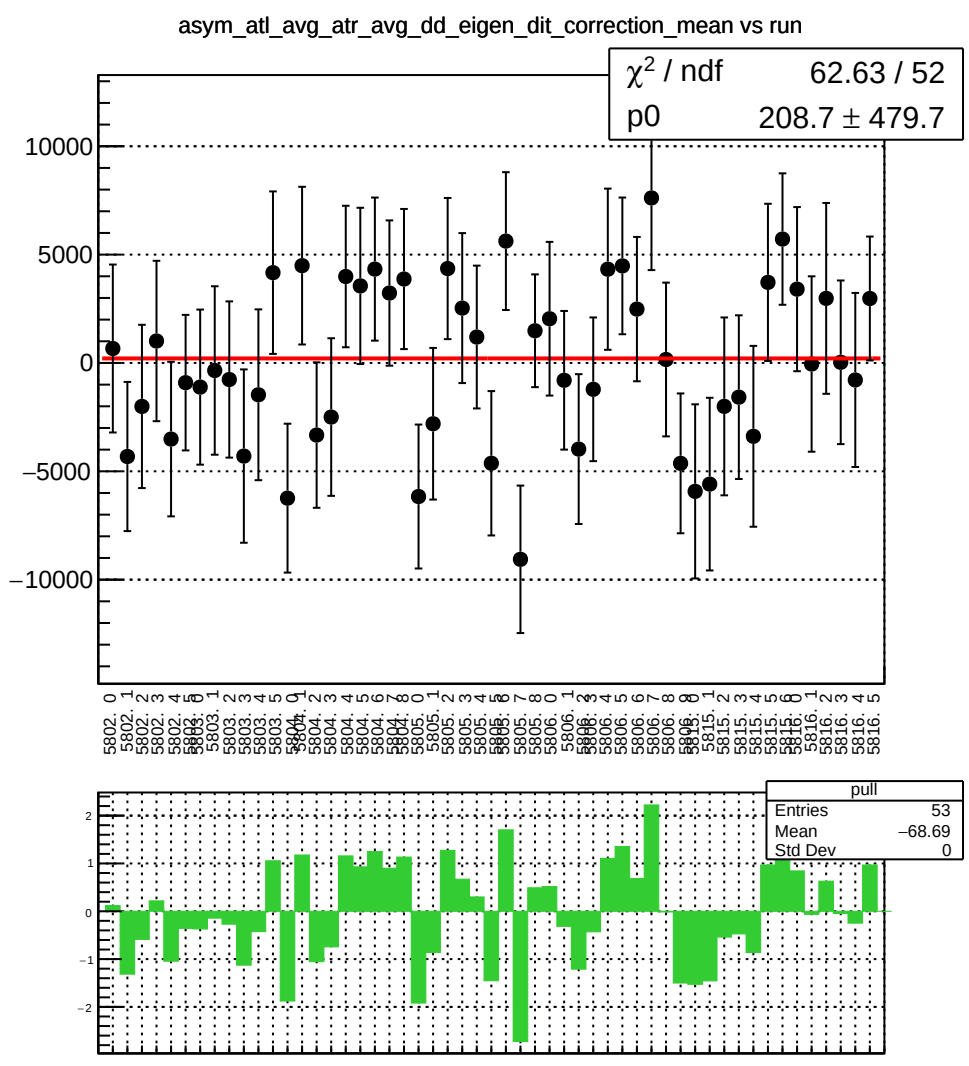

pull1D
Entries 53
Mean −0.02763
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

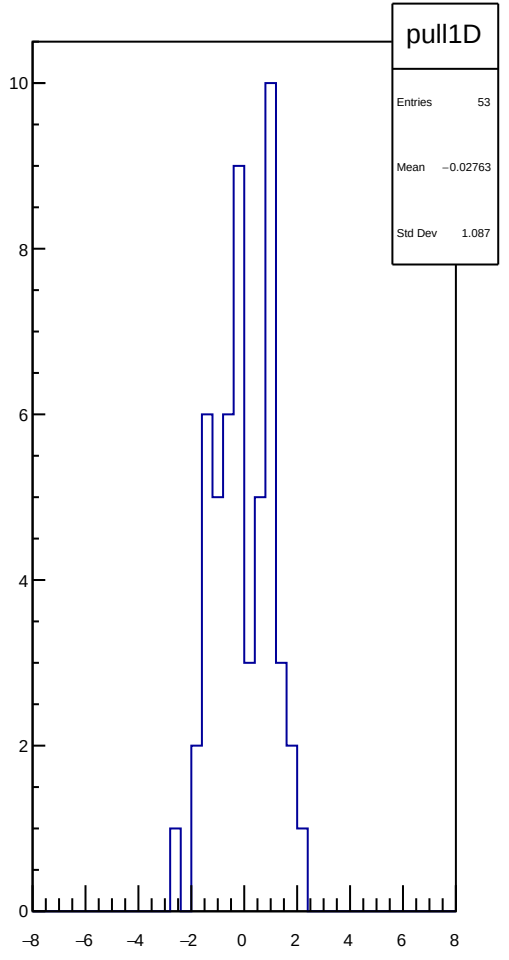

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 5868 / 52
p0 338.5 ± 0.3392
420
400
380
360
340
320
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

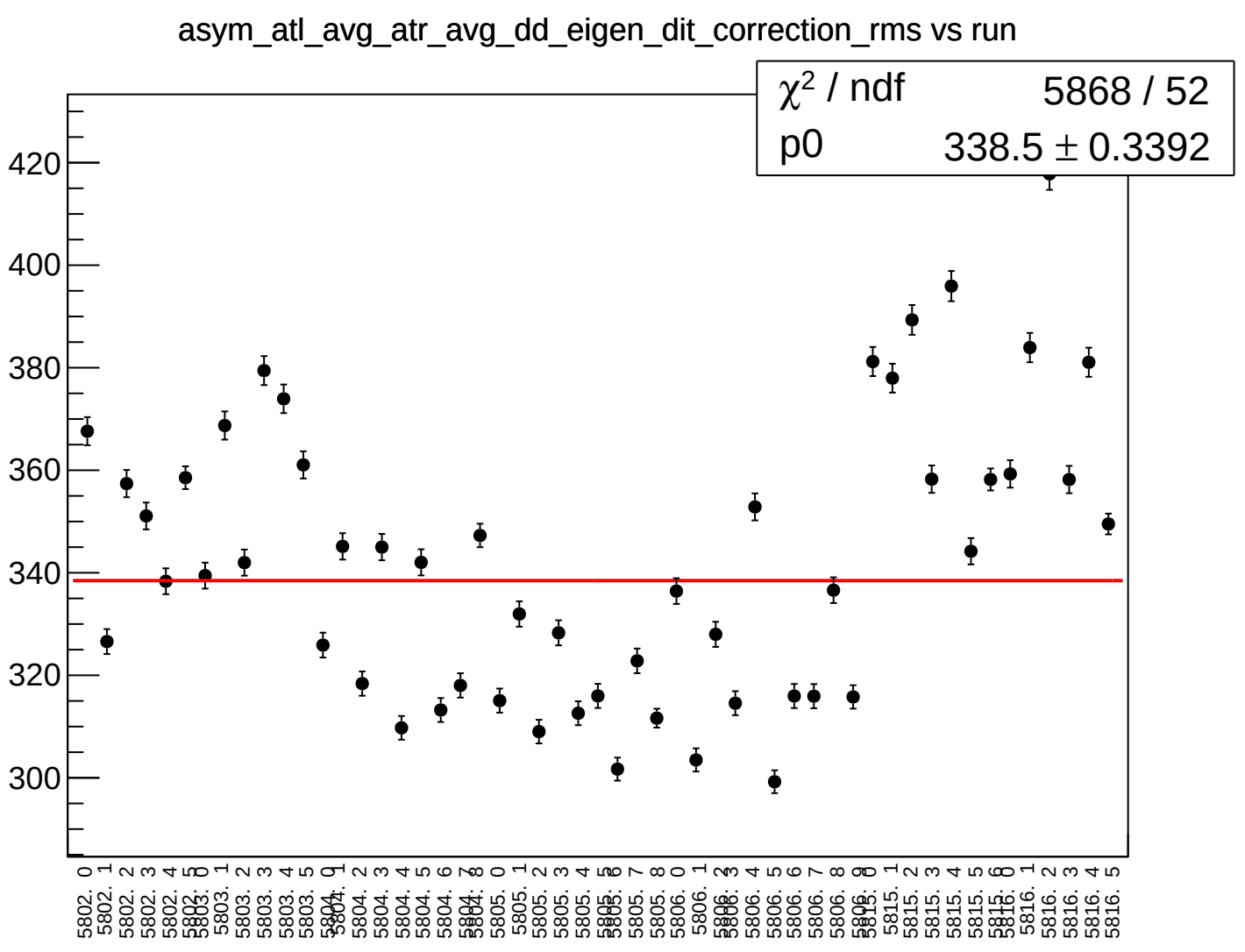

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.17 / 52
p0 −987.3 ± 1926
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 118.6
Std Dev 0
3
2
1
0
−1
−2
−3

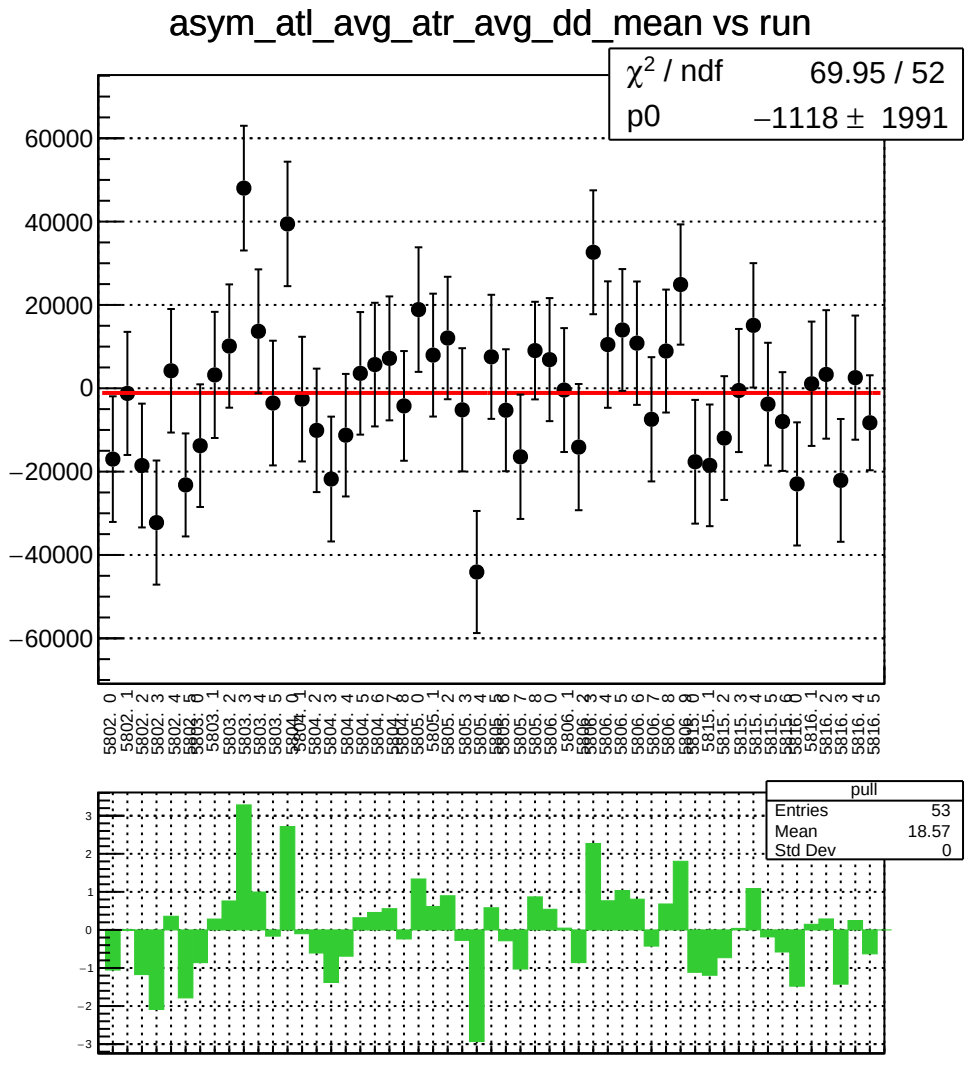

pull1D
Entries 53
Mean 0.006058
Std Dev 1.183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

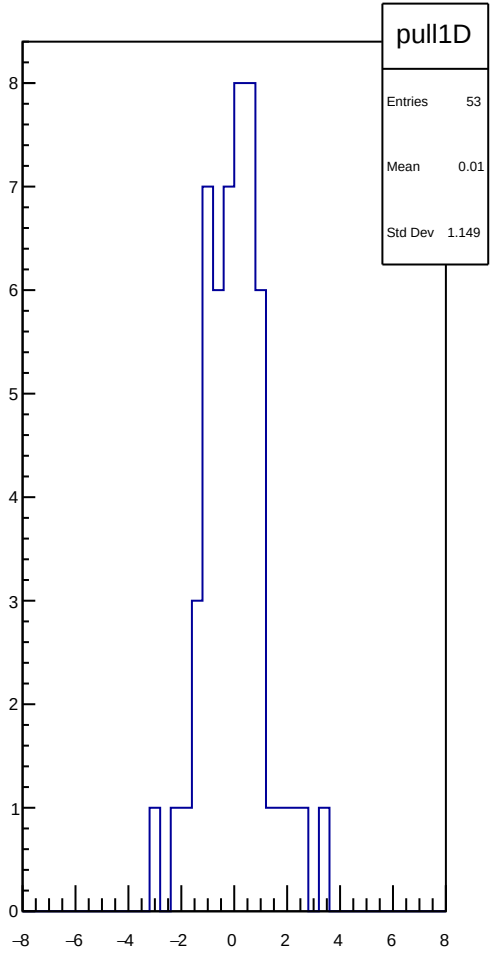

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 81.96 / 52
p0 1363 ± 1.362
1400
1380
1360
1340
1320

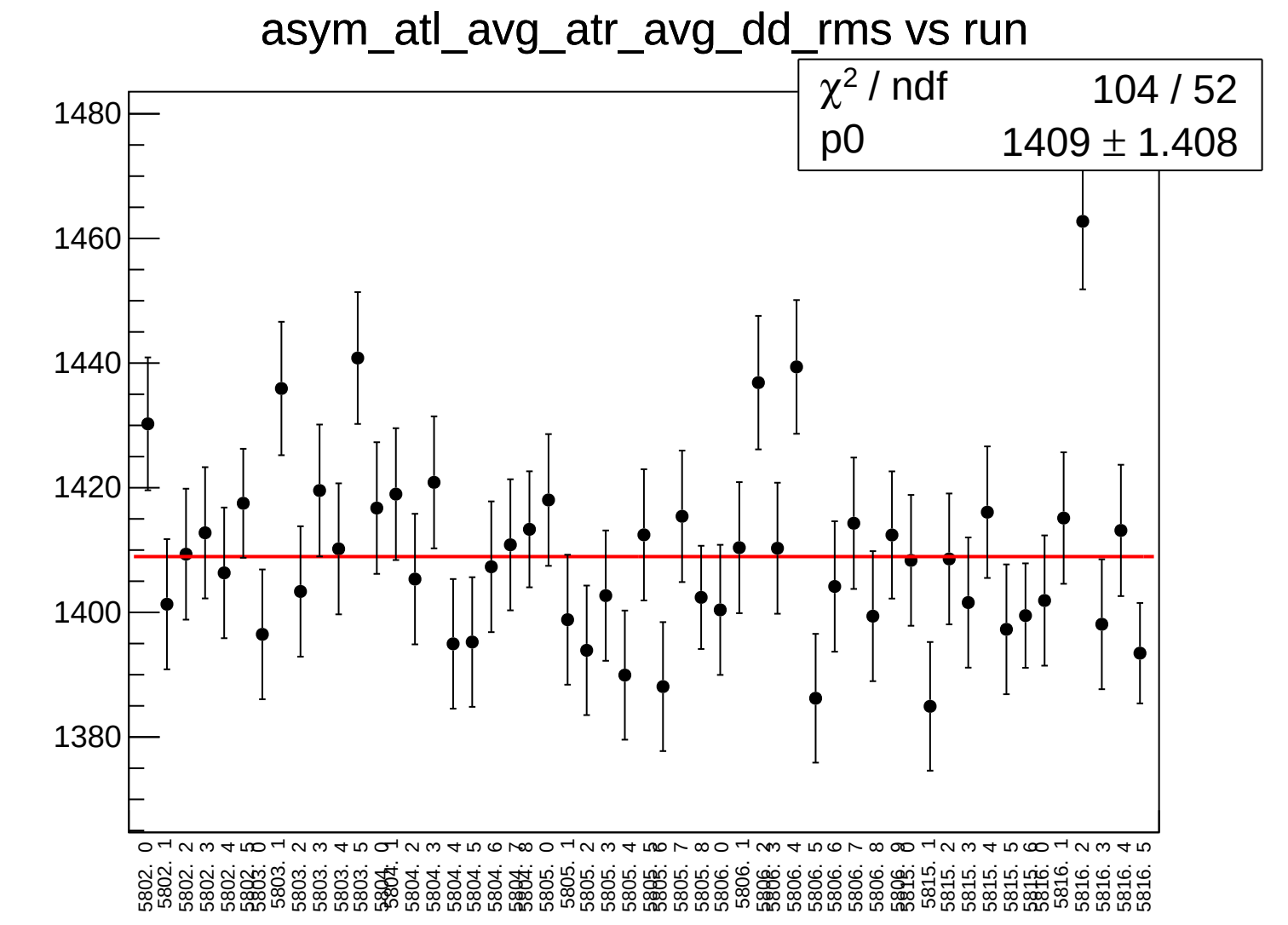

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.63 / 52
p0 208.7 ± 479.7
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −68.69
Std Dev 0
2
1
0
−1
−2

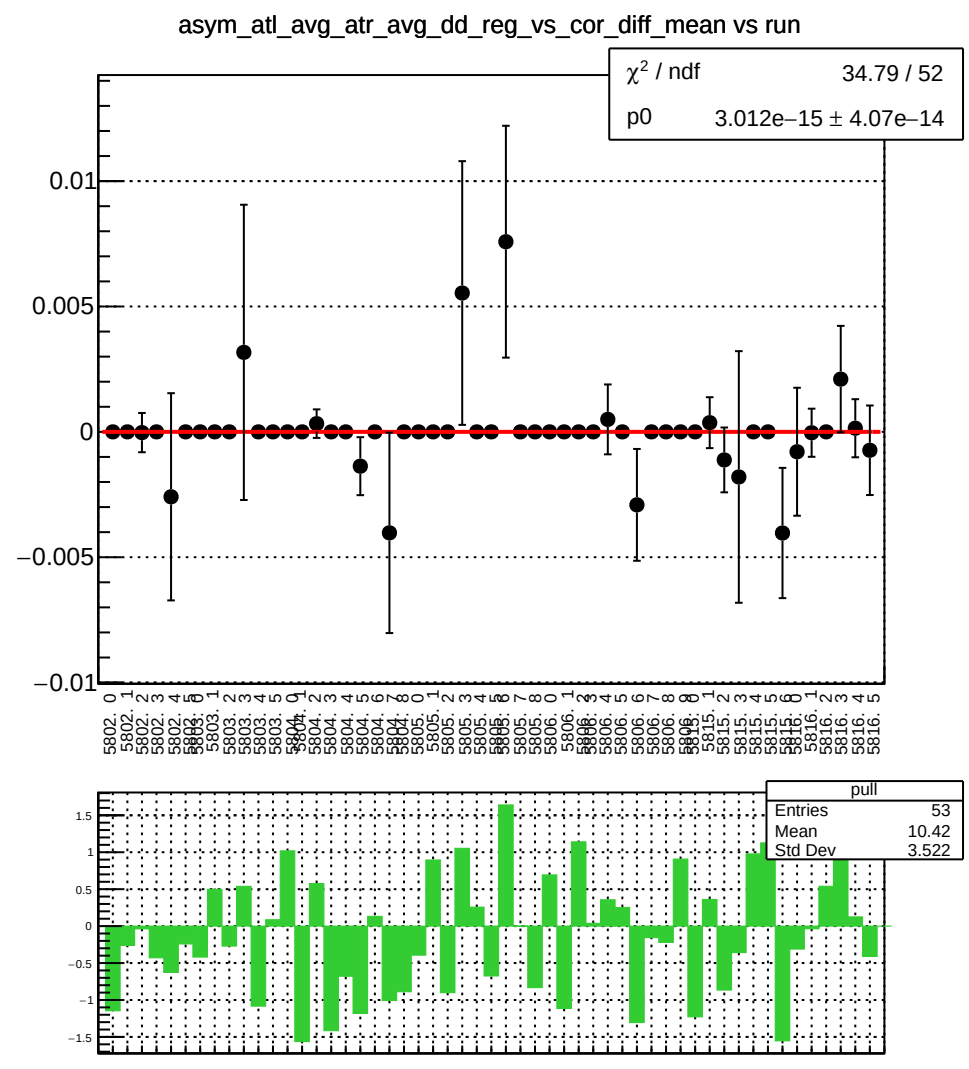

pull1D
Entries 53
Mean −0.02763
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

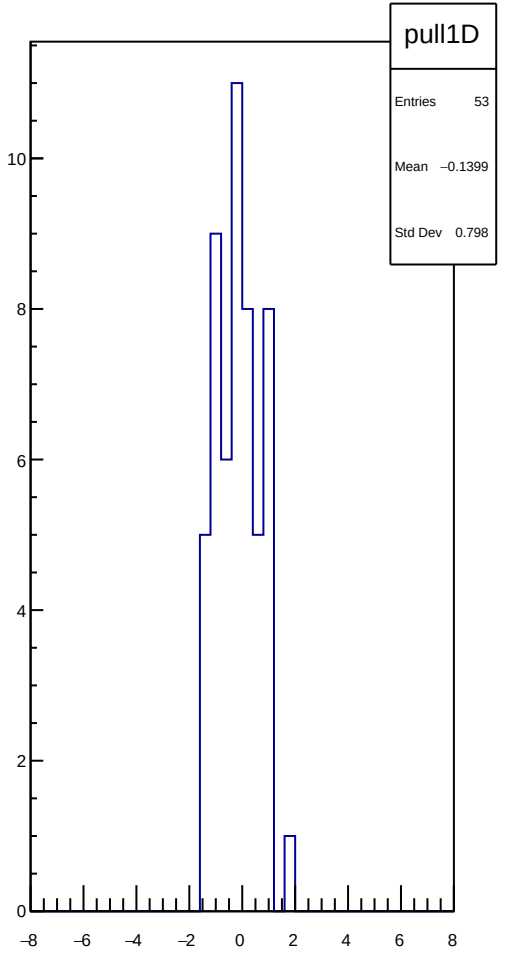

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5868 / 52
p0 338.5 ± 0.3392
420
400
380
360
340
320
300

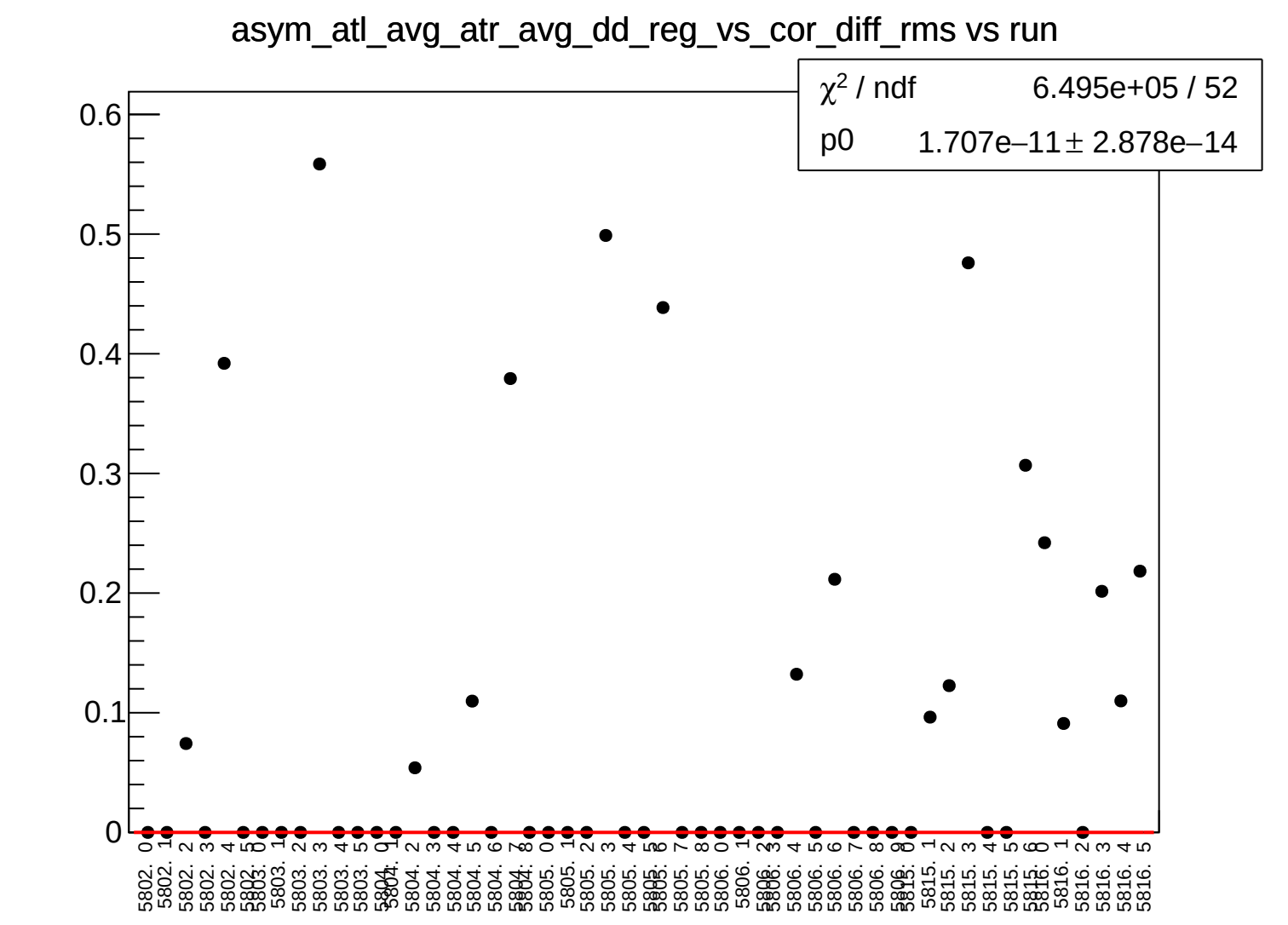

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 69.95 / 52
p0 −1118 ± 1991
pull
Entries 53
Mean 18.57
Std Dev 0

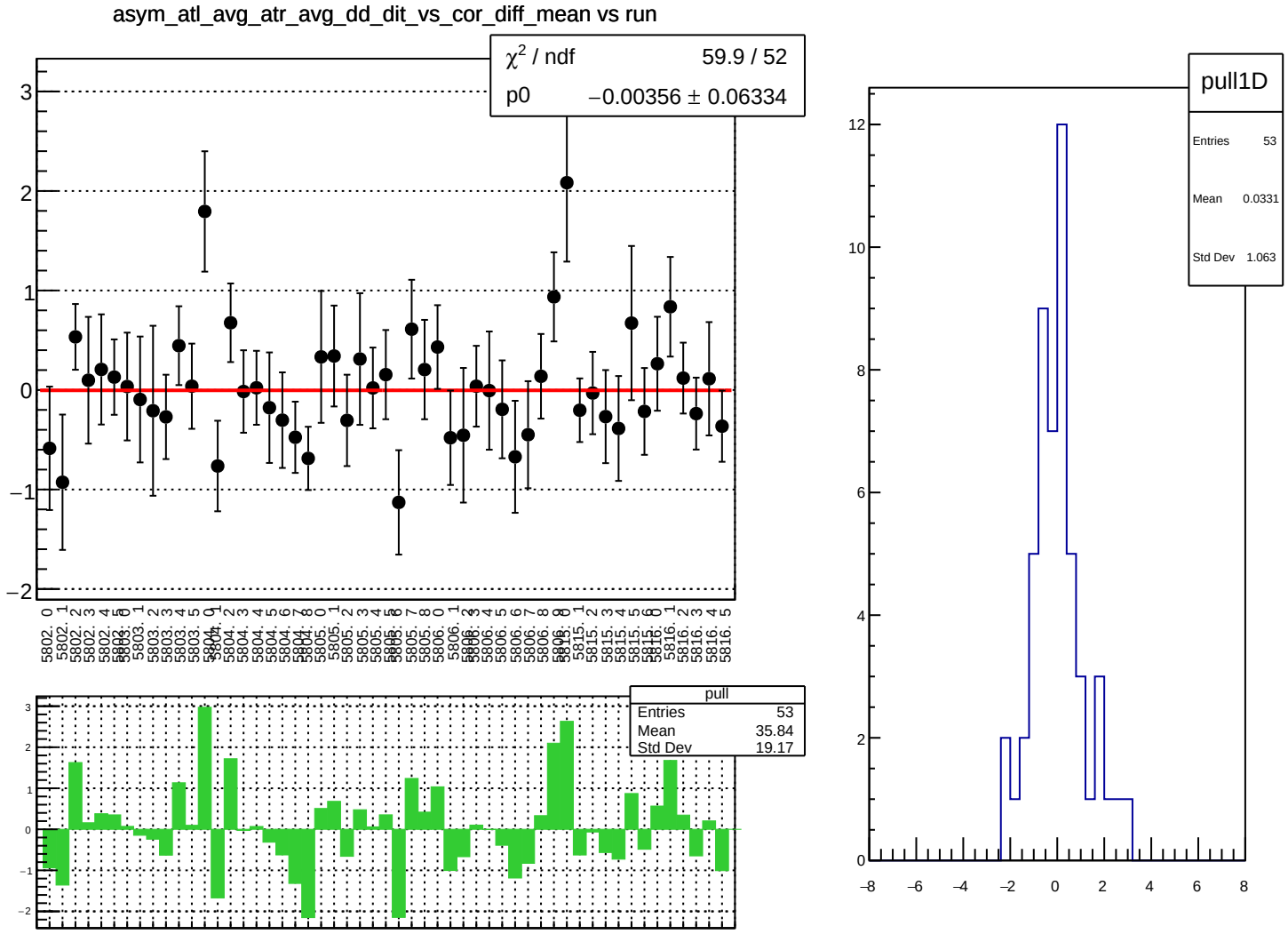

pull1D
Entries 53
Mean 0.01
Std Dev 1.149

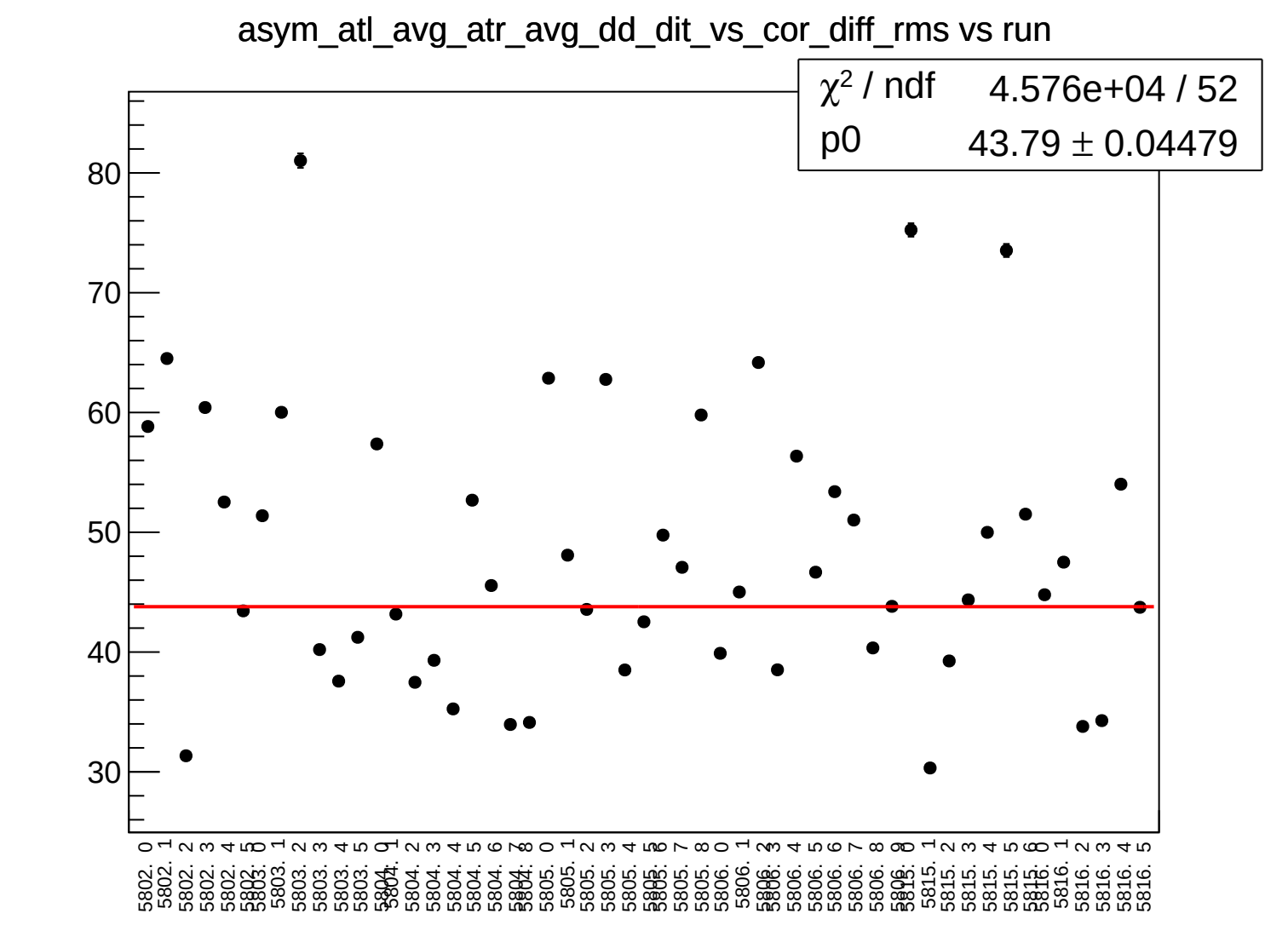

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 104 / 52
p0 1409 ± 1.408
1480
1460
1440
1420
1400
1380

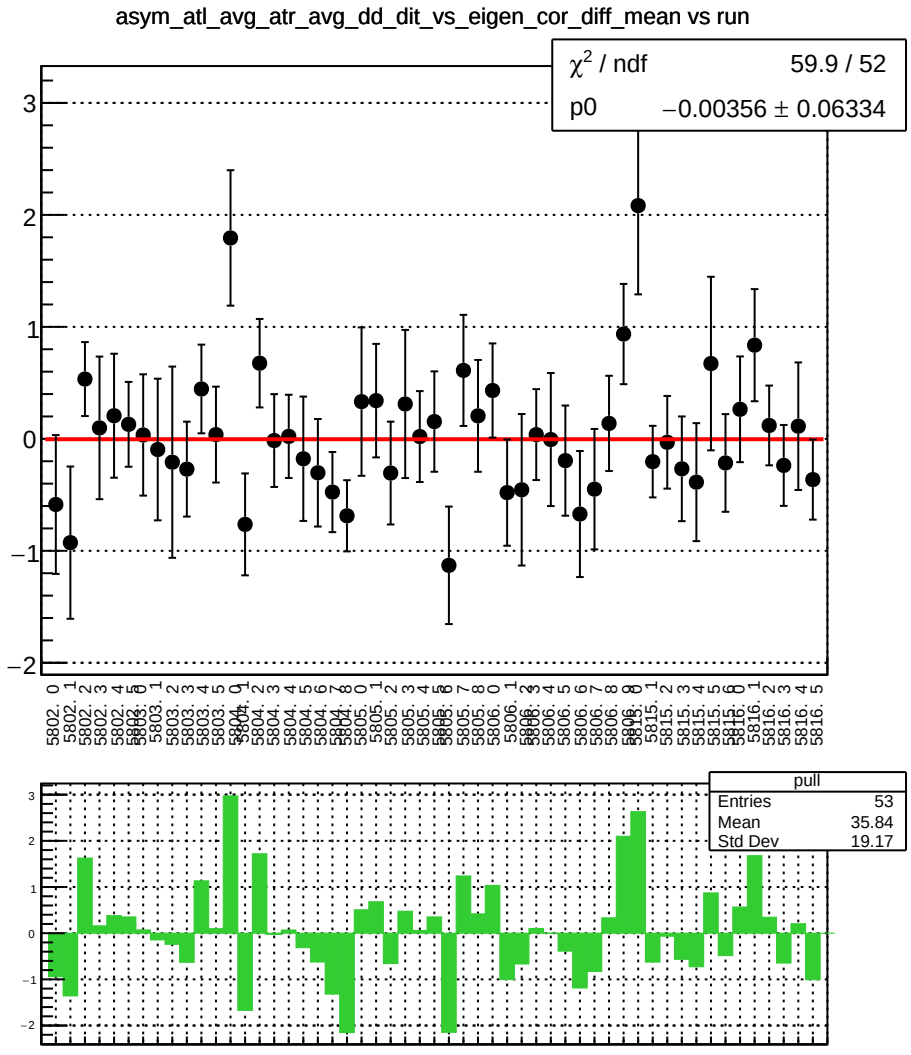

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.79 / 52
p0 3.012e−15 ± 4.07e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 53
Mean 10.42
Std Dev 3.522
1.5
1
0.5
0
−0.5
−1
−1.5

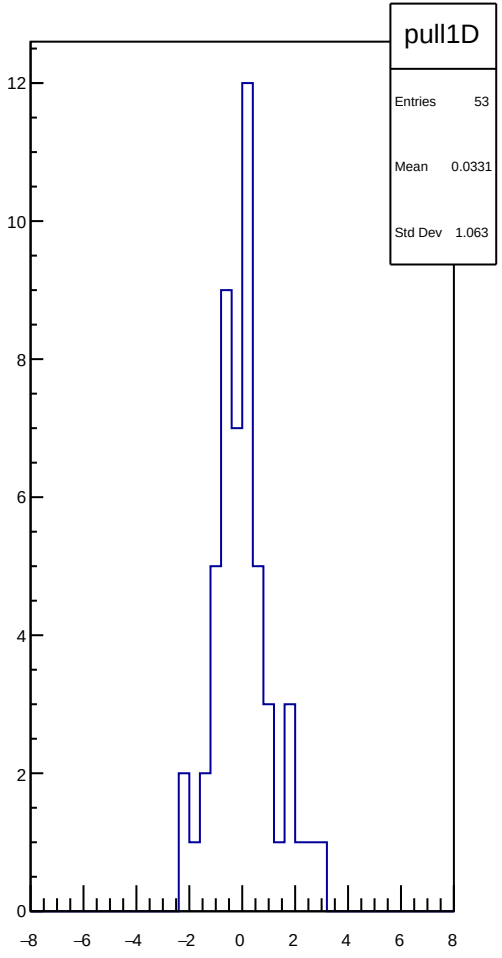

pull1D
Entries 53
Mean −0.1399
Std Dev 0.798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

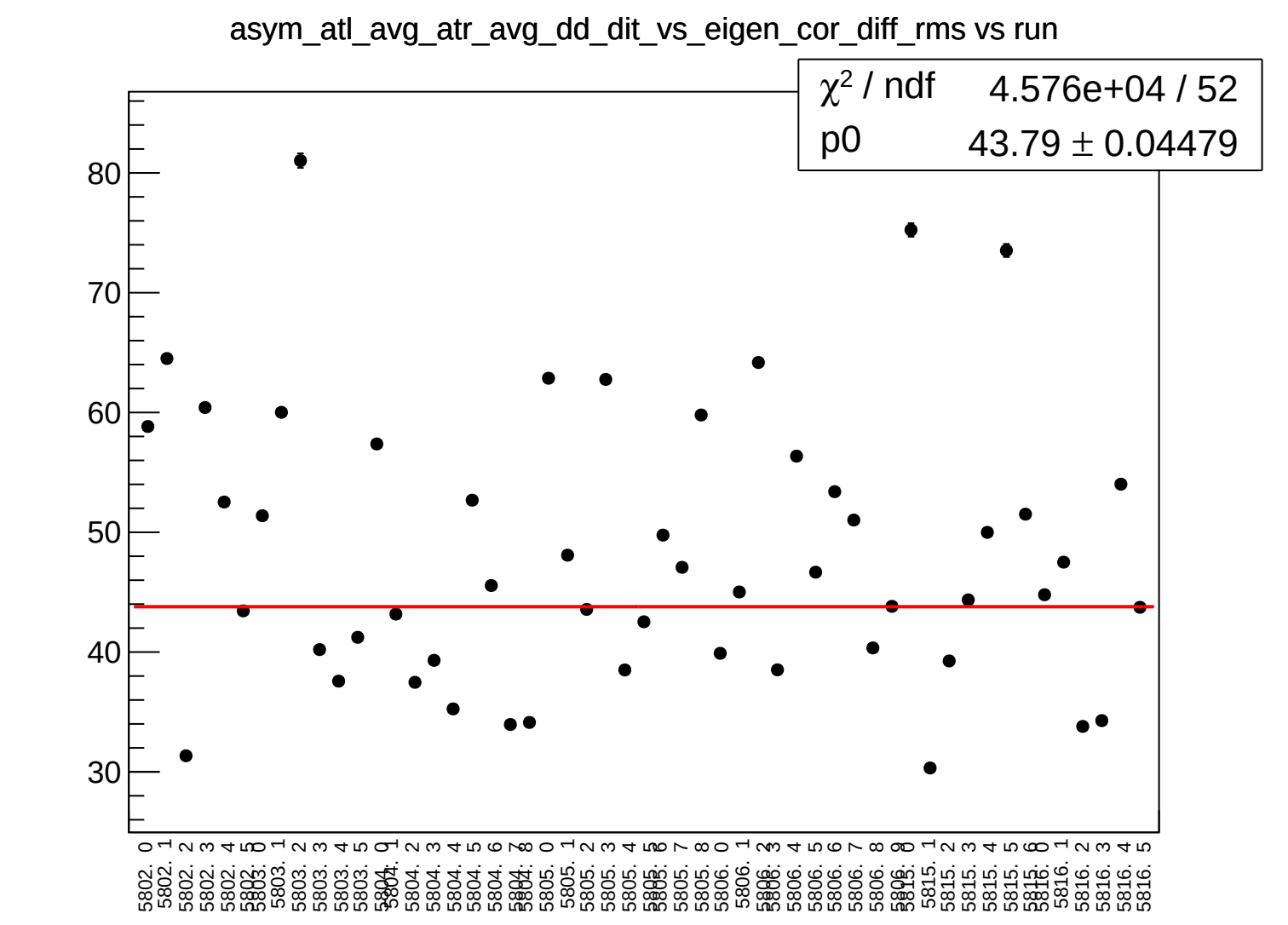

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.495e+05 / 52
p0 1.707e−11 ± 2.878e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

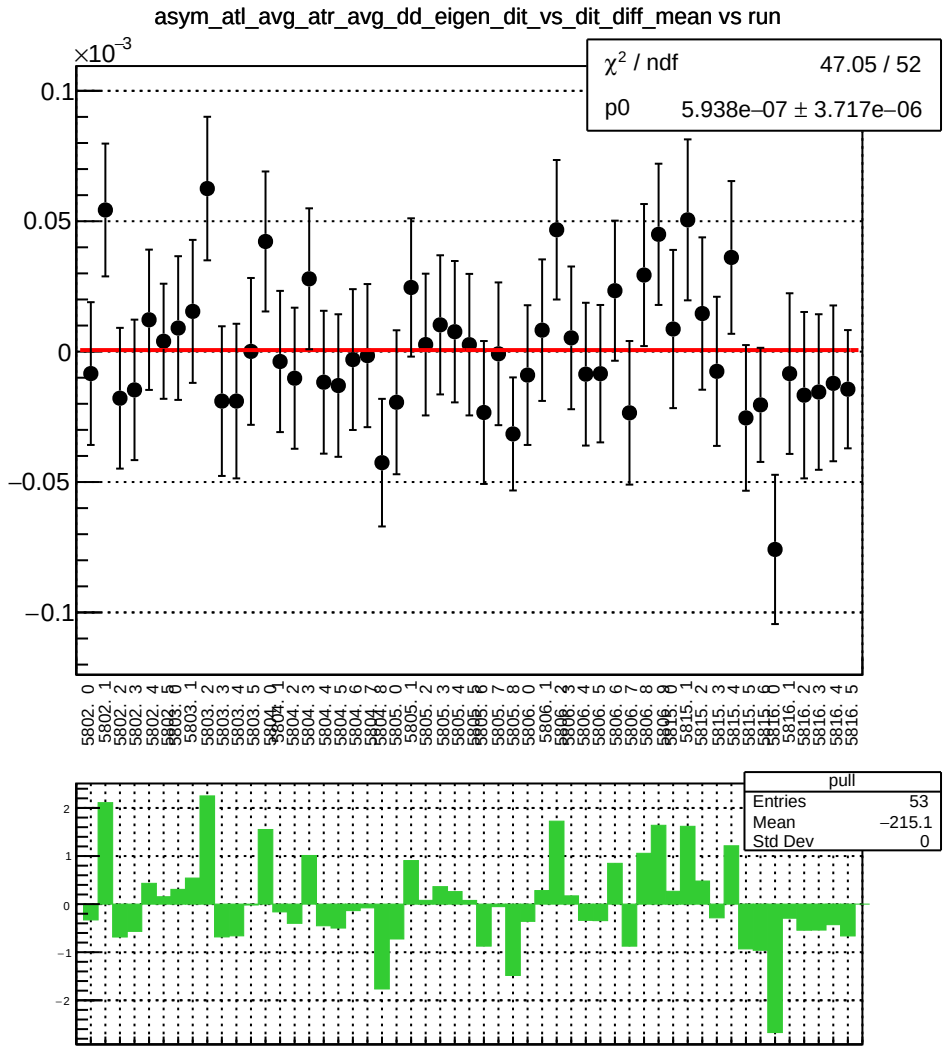

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

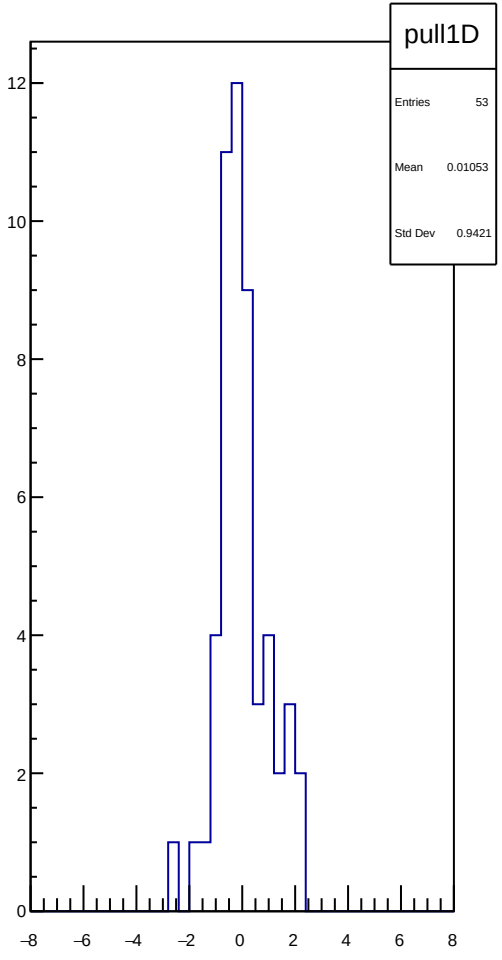

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30

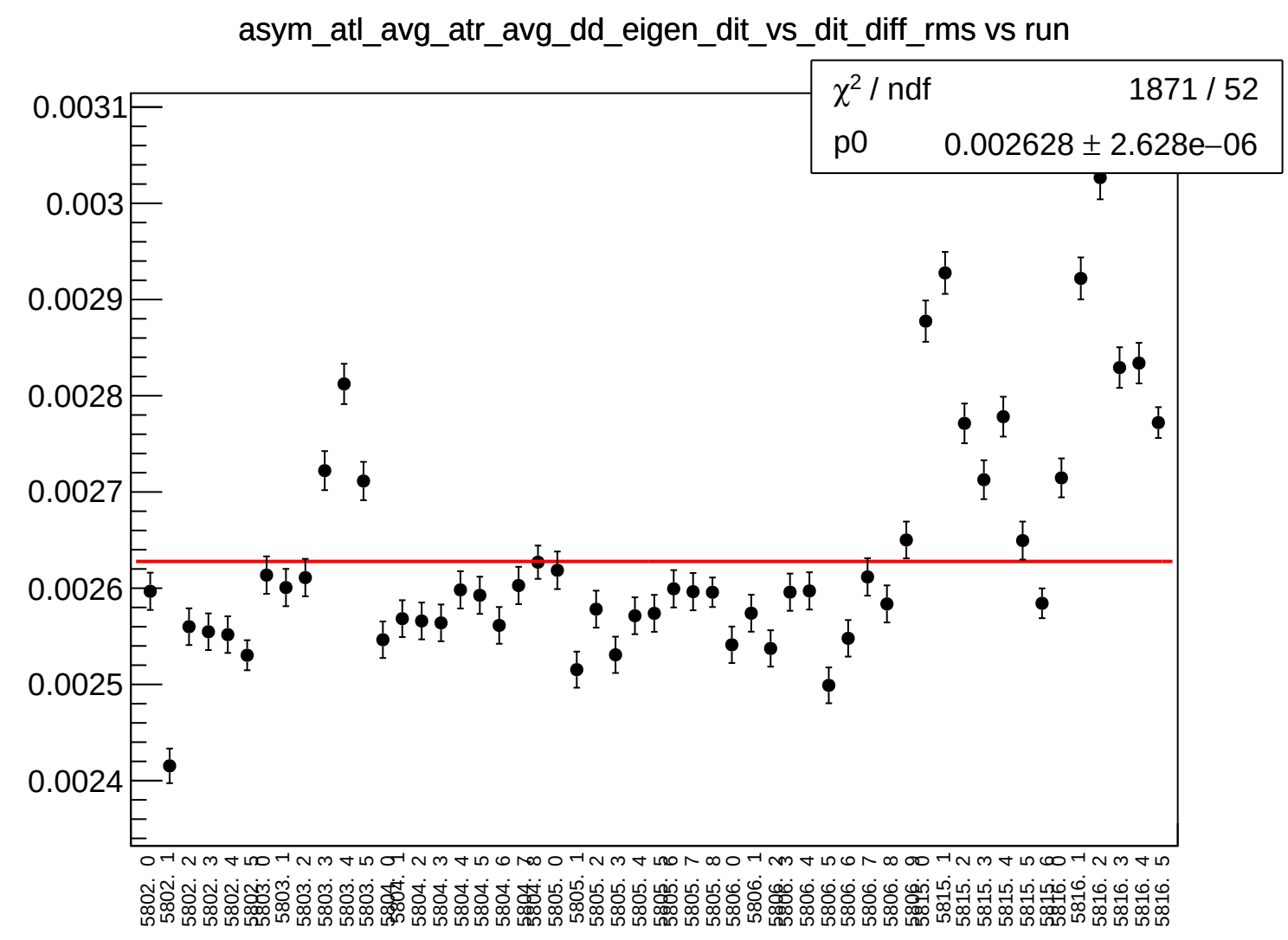

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17

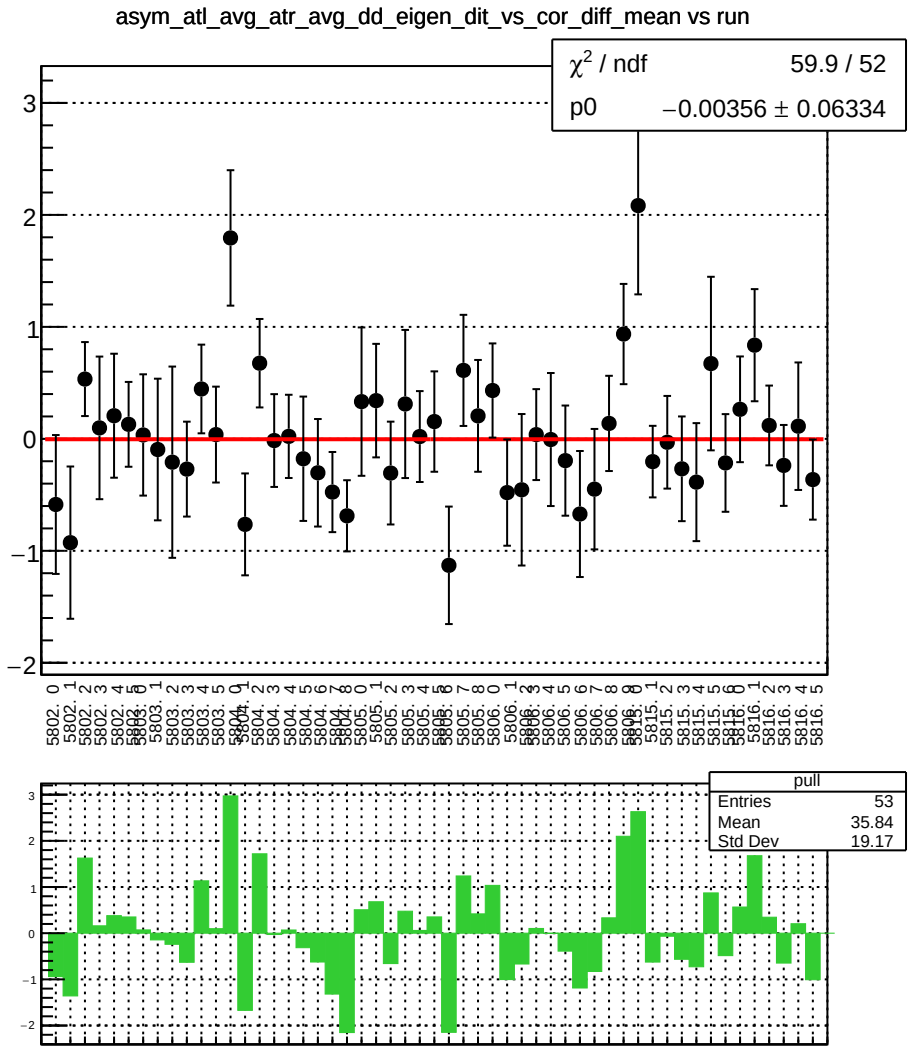

pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

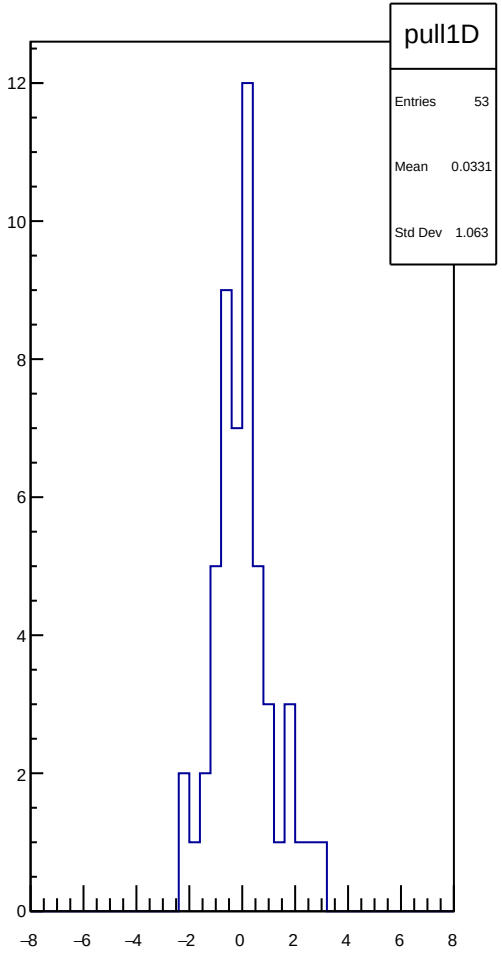

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

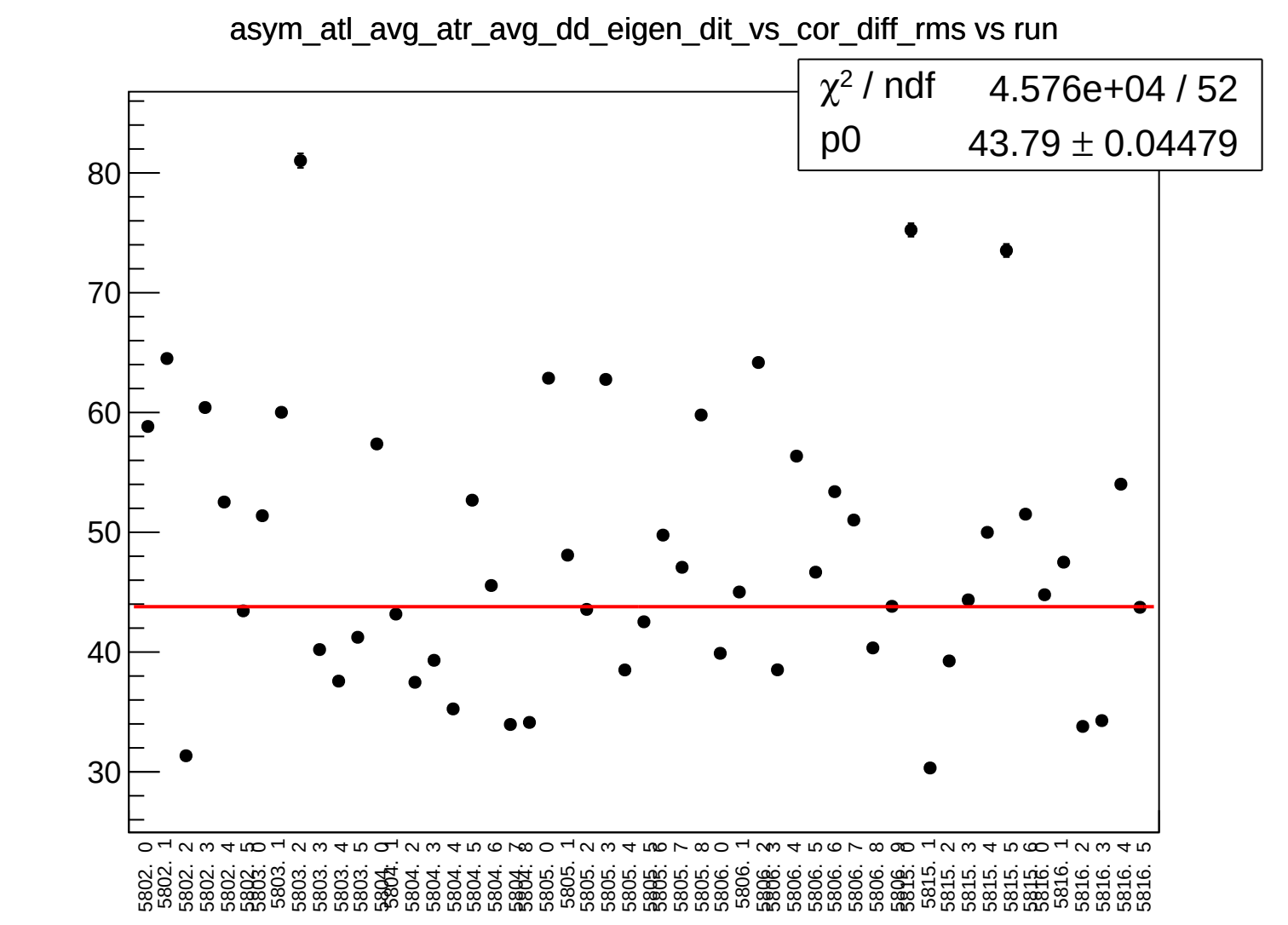

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.05 / 52
p0 5.938e−07 ± 3.717e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean −215.1
Std Dev 0
2
1
0
−1
−2

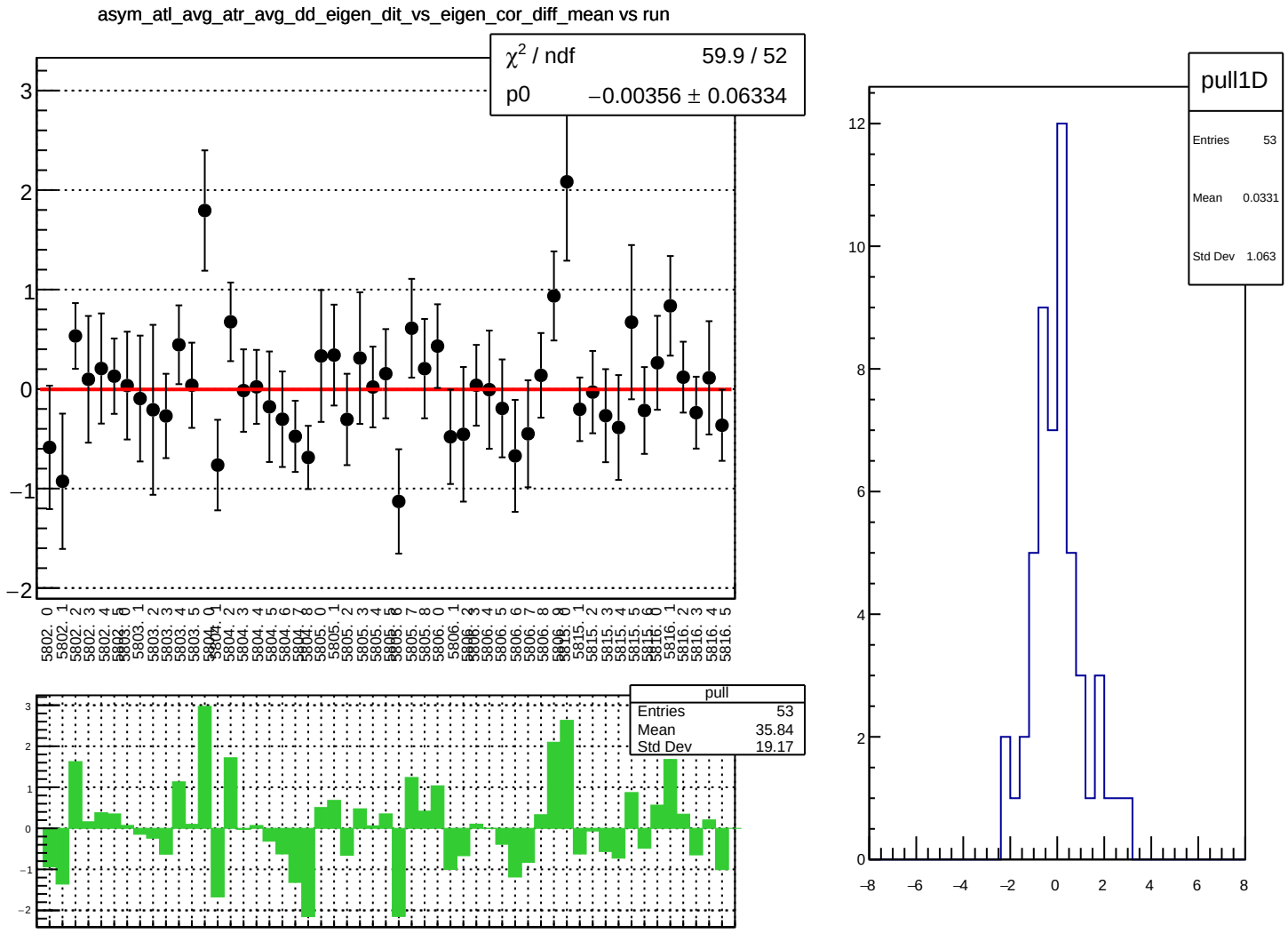

pull1D
Entries 53
Mean 0.01053
Std Dev 0.9421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

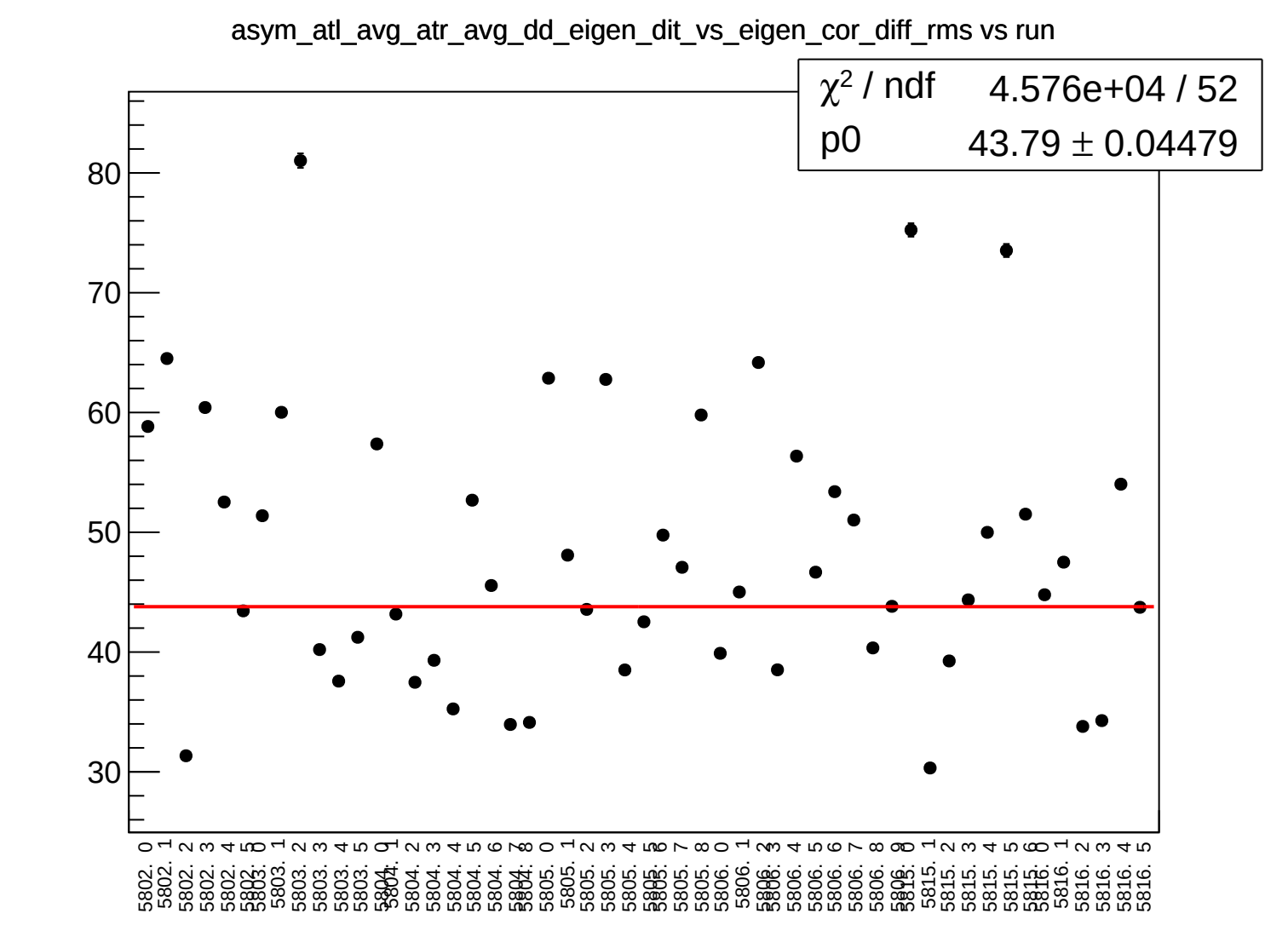

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1871 / 52
p0 0.002628 ± 2.628e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024

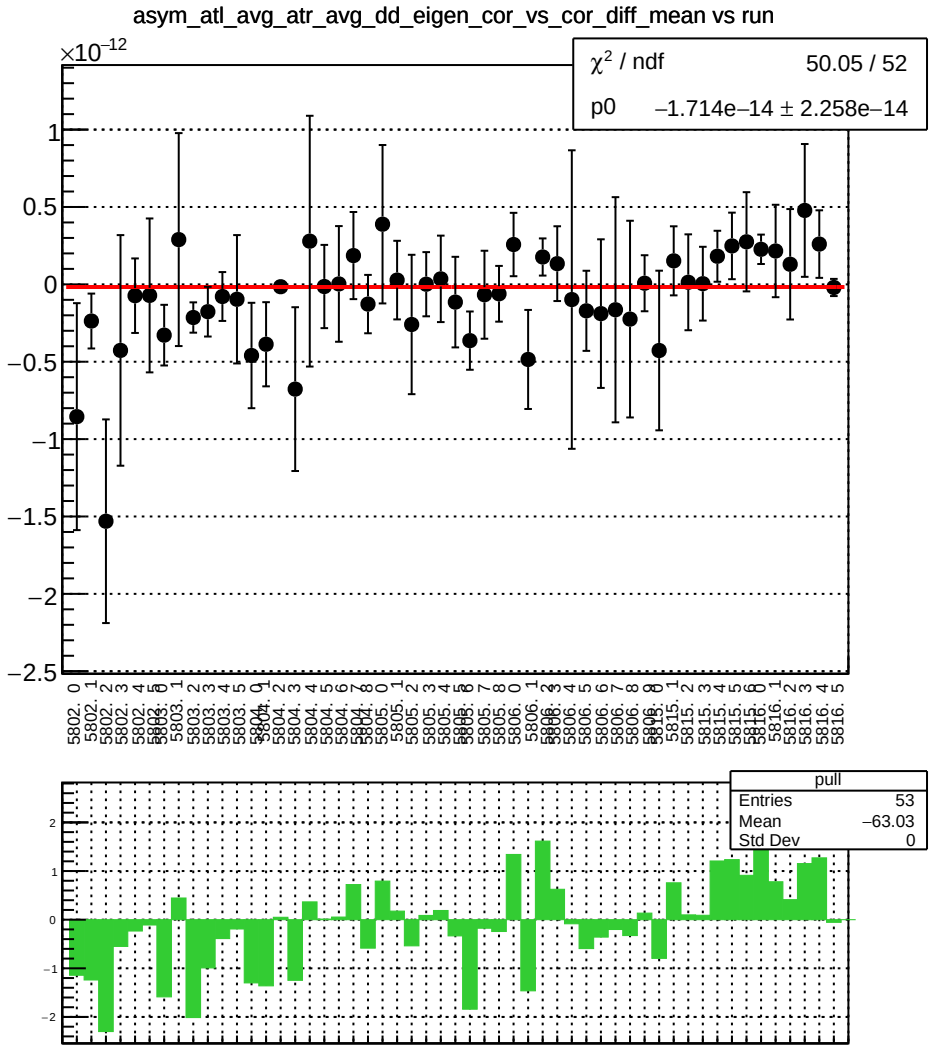

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17

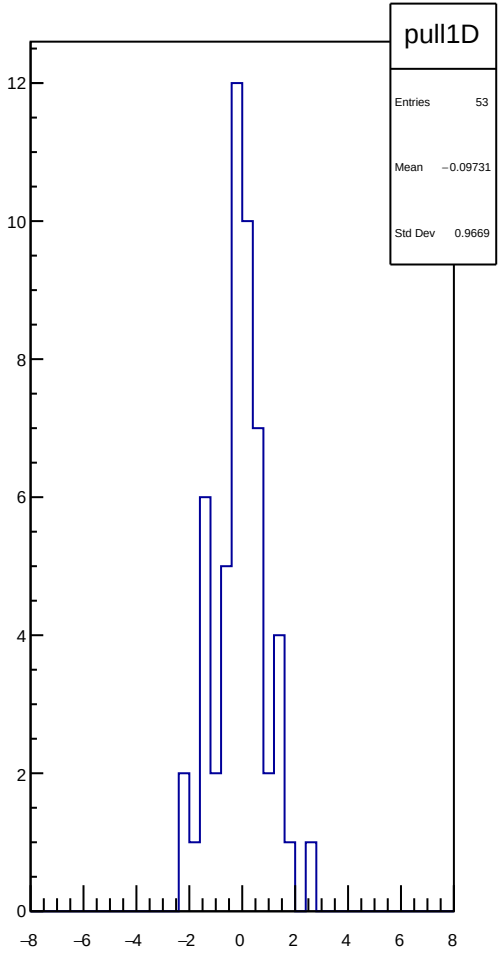

pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

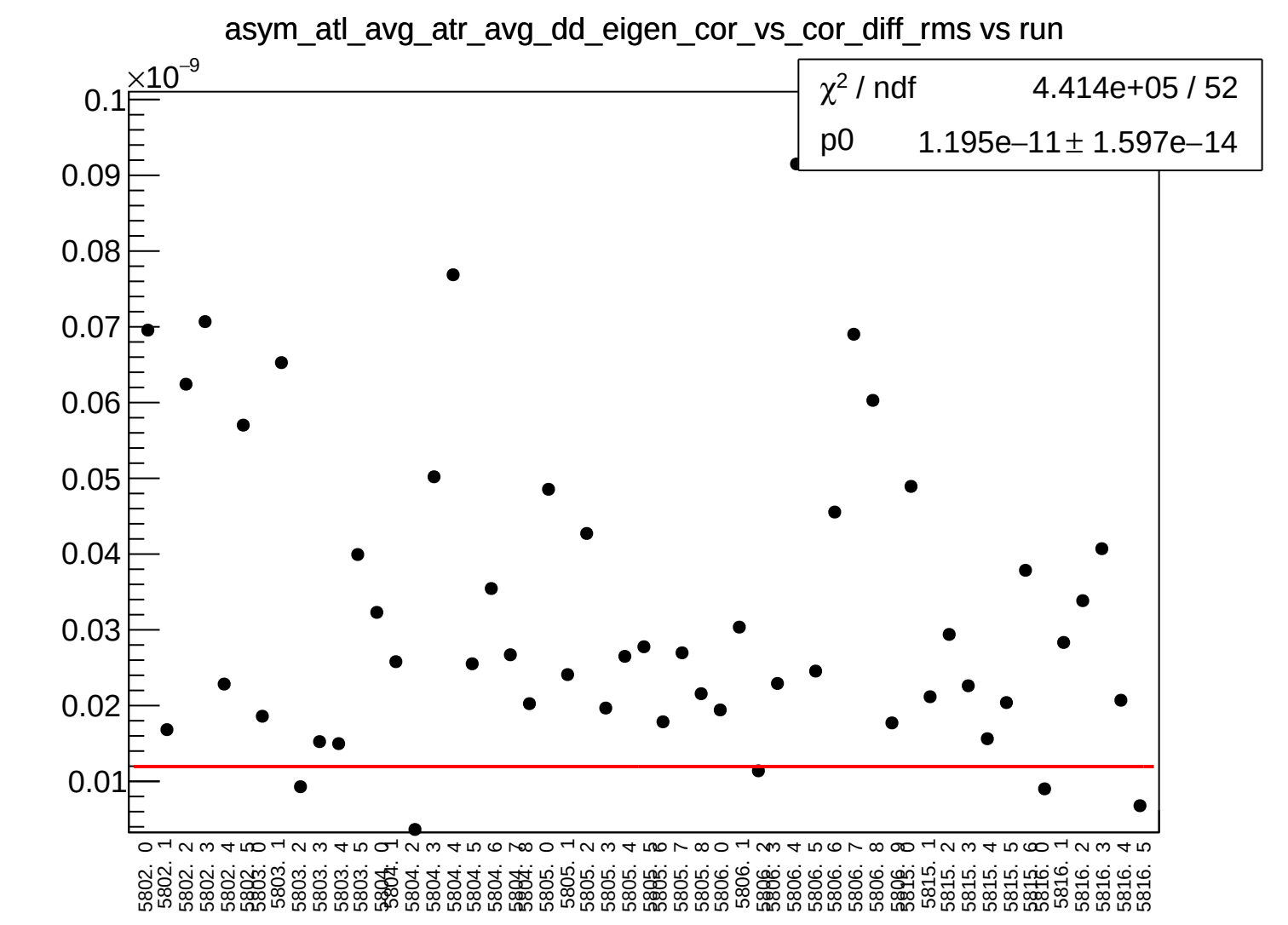

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

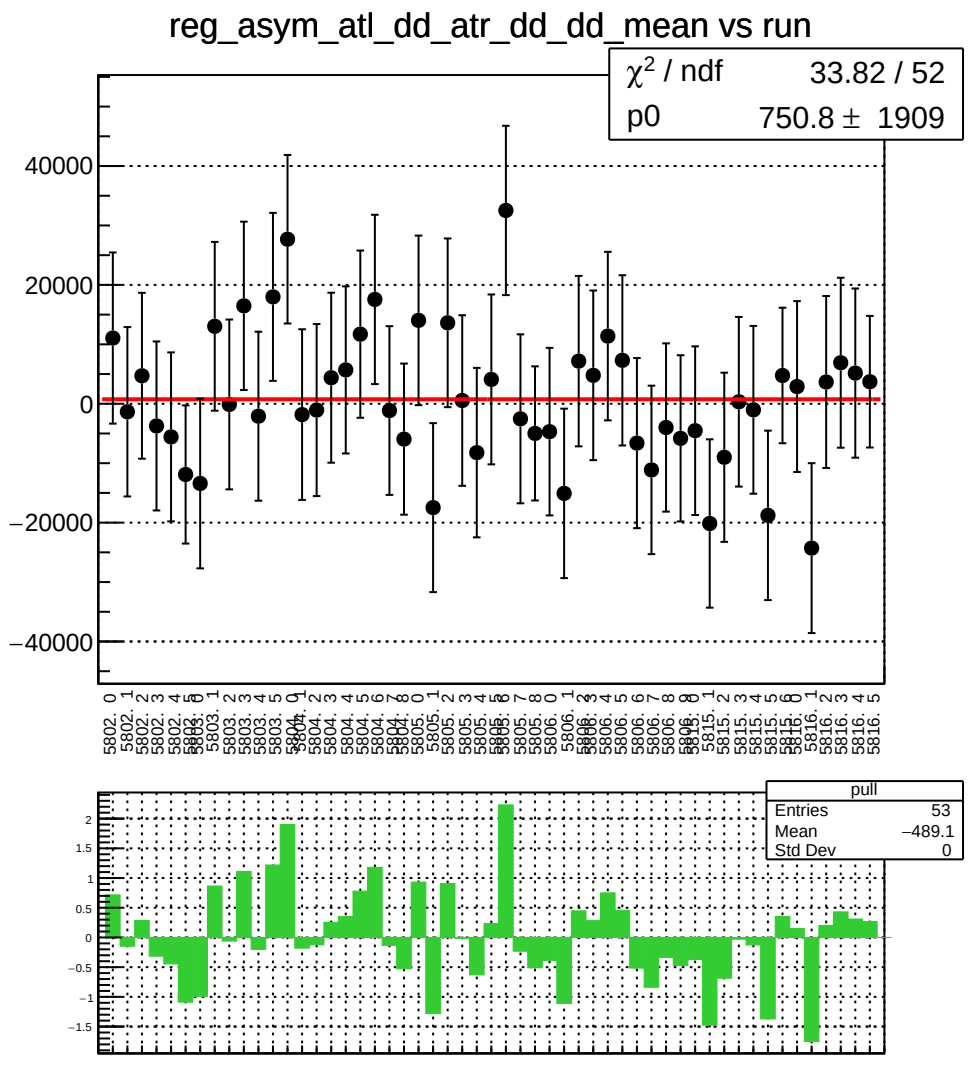

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

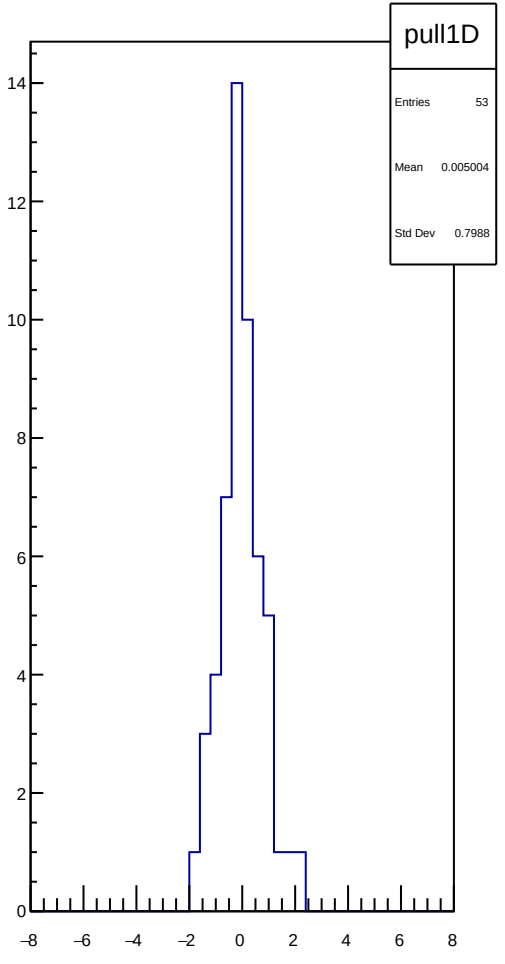

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30

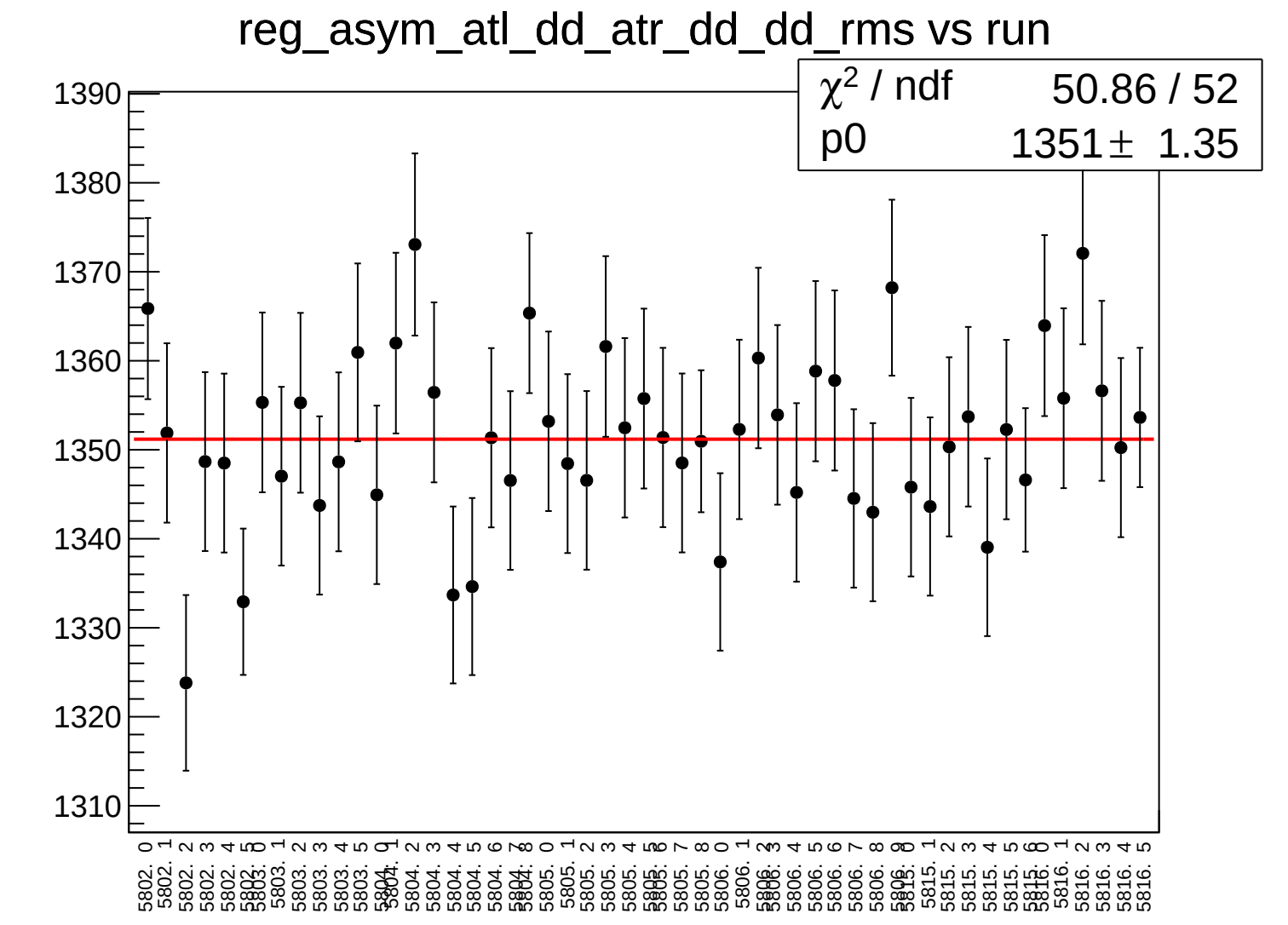

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.05 / 52
p0 −1.714e−14 ± 2.258e−14
pull
Entries 53
Mean −63.03
Std Dev 0

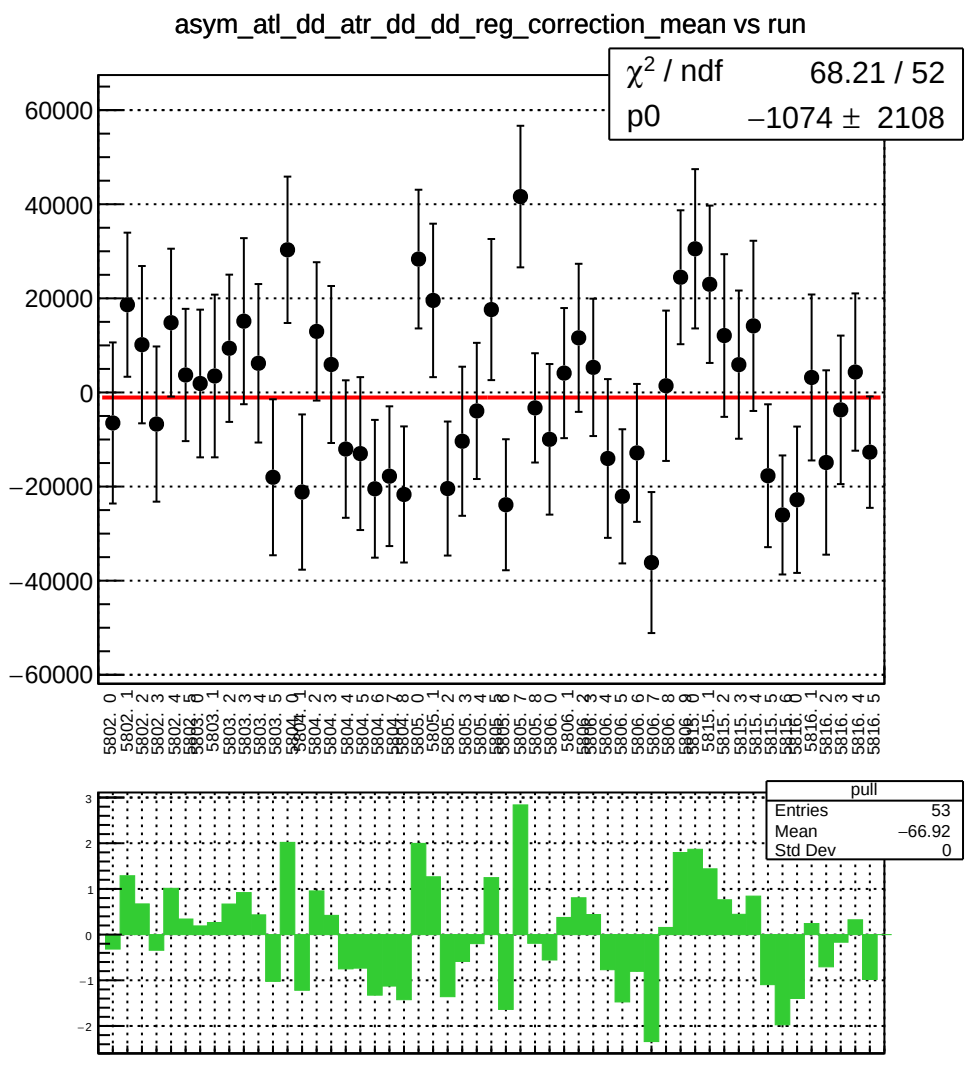

pull1D
Entries 53
Mean −0.09731
Std Dev 0.9669

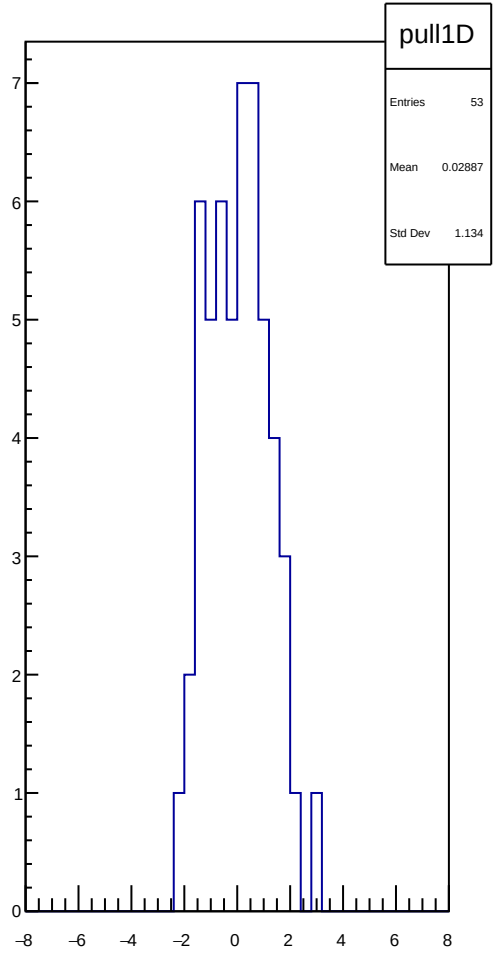

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.414e+05 / 52
p0 1.195e−11 ± 1.597e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

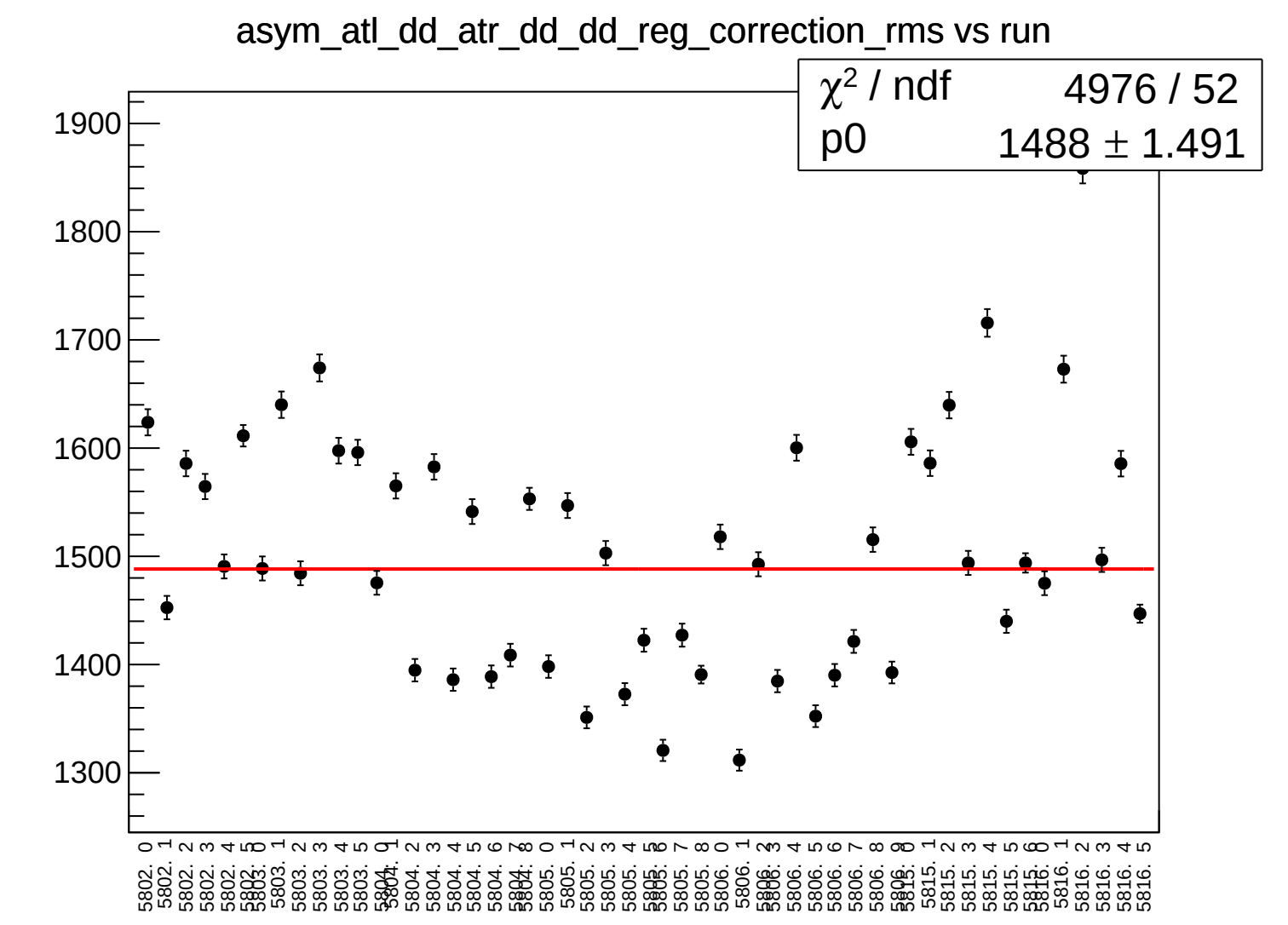

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.82 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −489.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

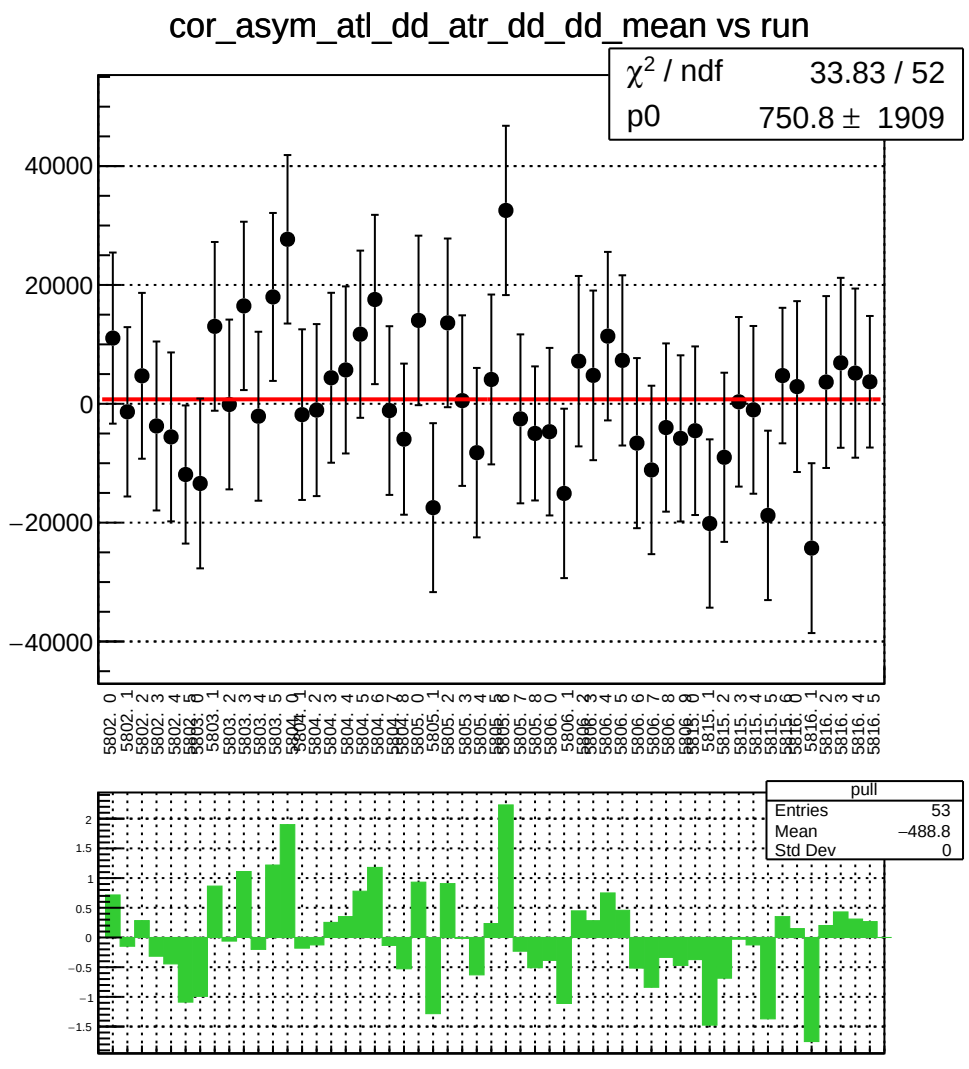

pull1D
Entries 53
Mean 0.005004
Std Dev 0.7988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

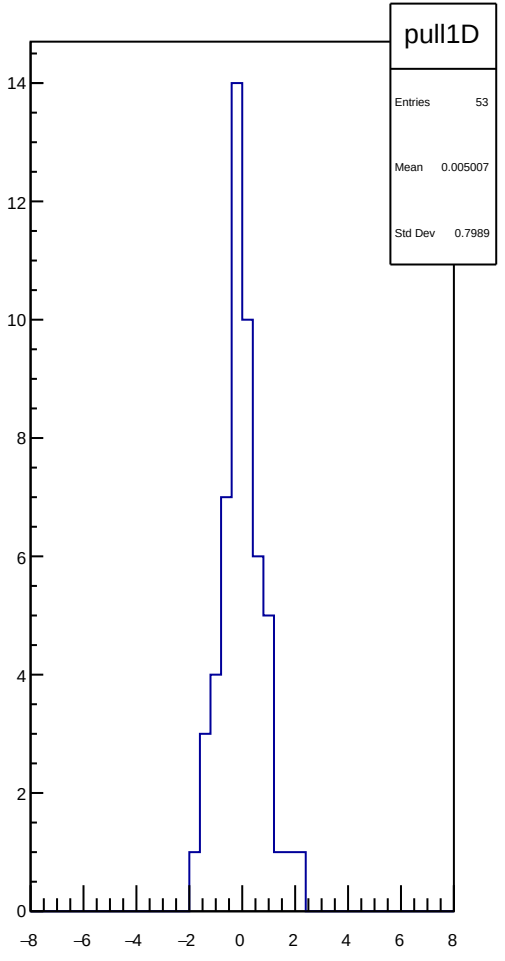

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

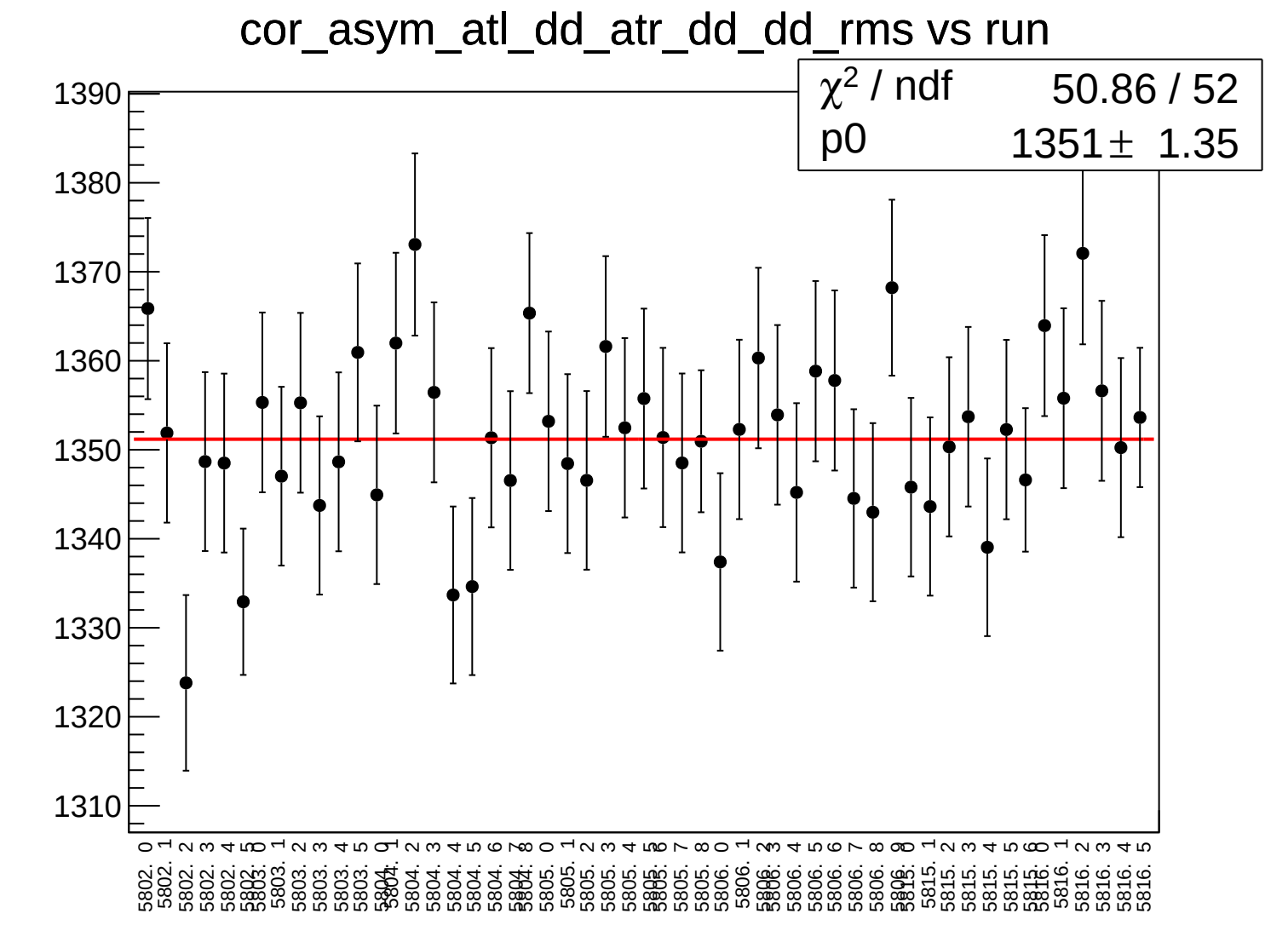

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
pull
Entries 53
Mean −66.92
Std Dev 0

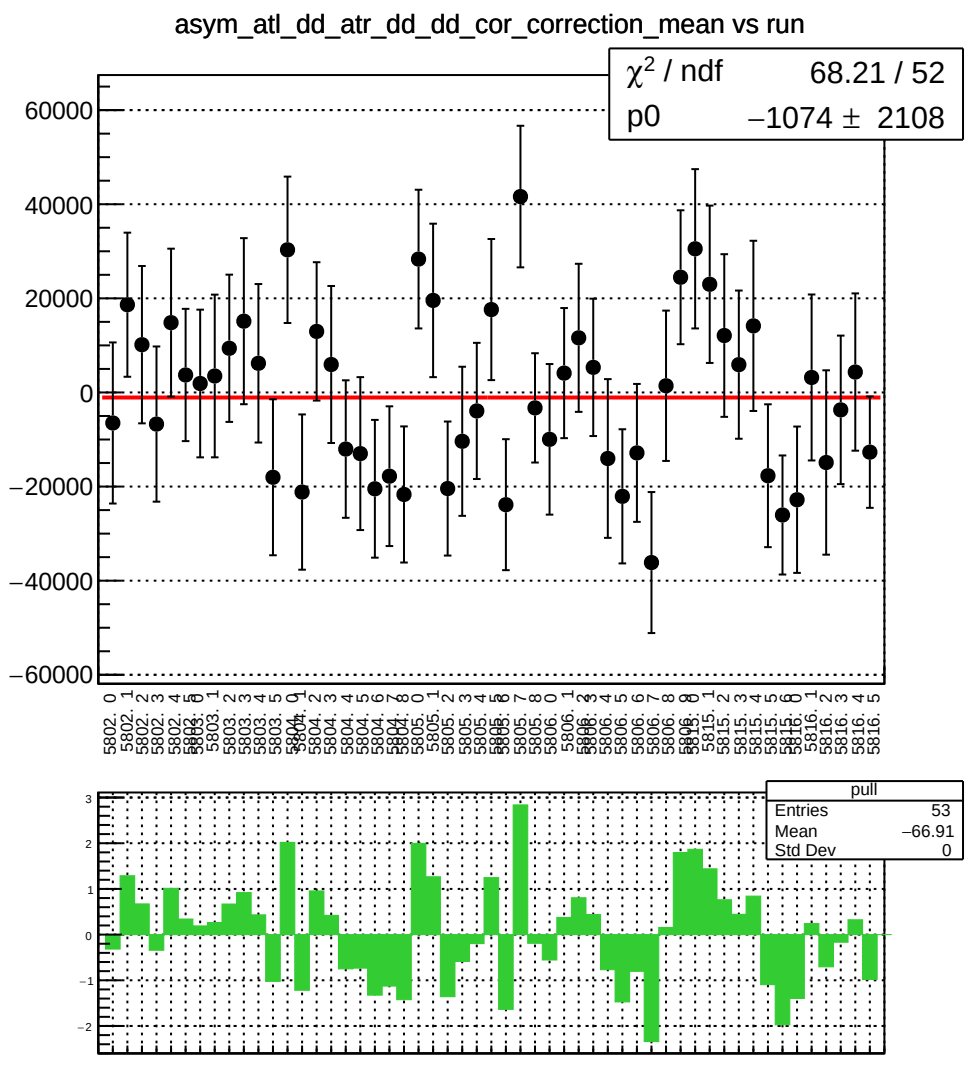

pull1D
Entries 53
Mean 0.02887
Std Dev 1.134

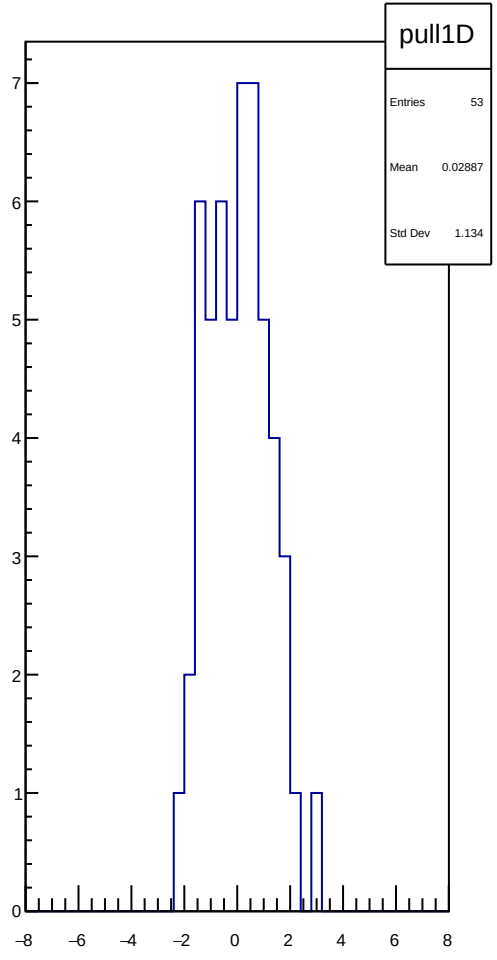

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 4976 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300

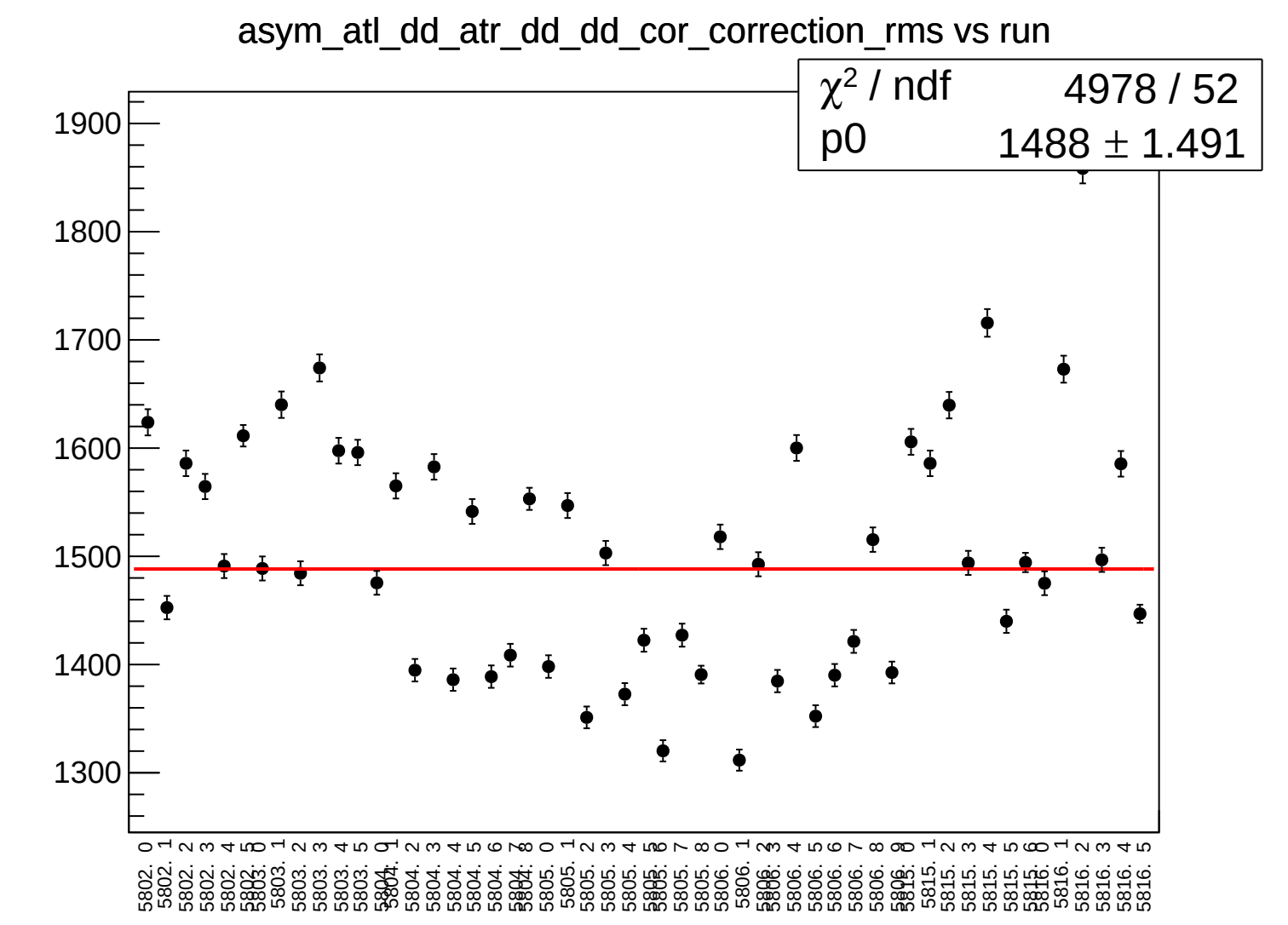

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.83 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −488.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

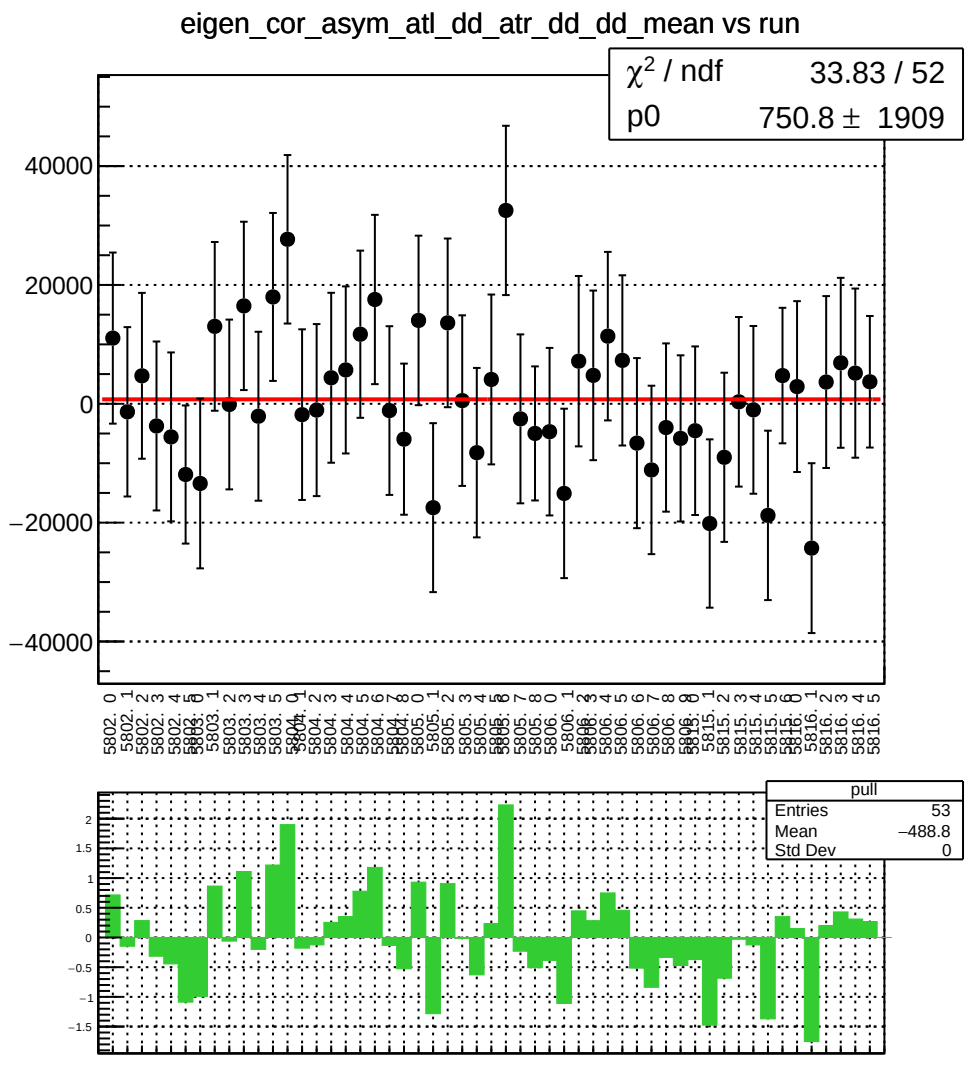

pull1D
Entries 53
Mean 0.005007
Std Dev 0.7989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

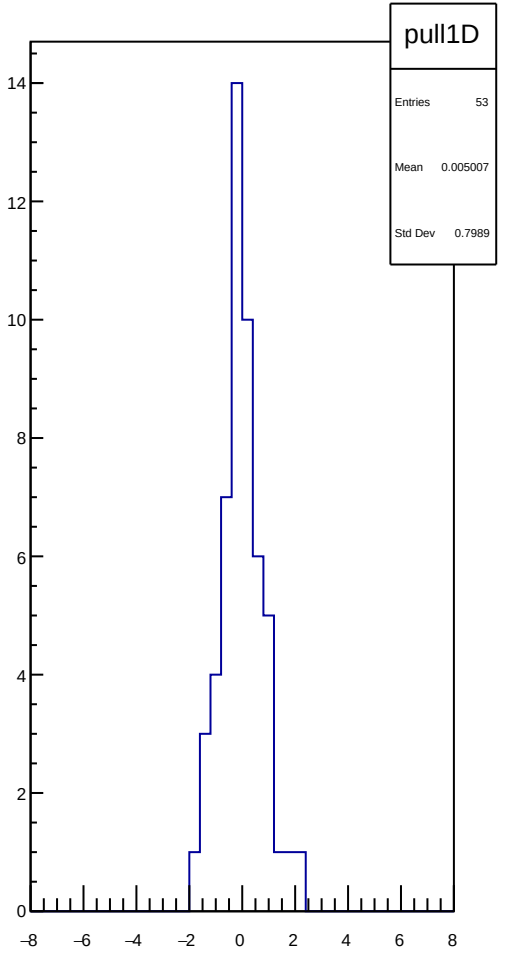

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

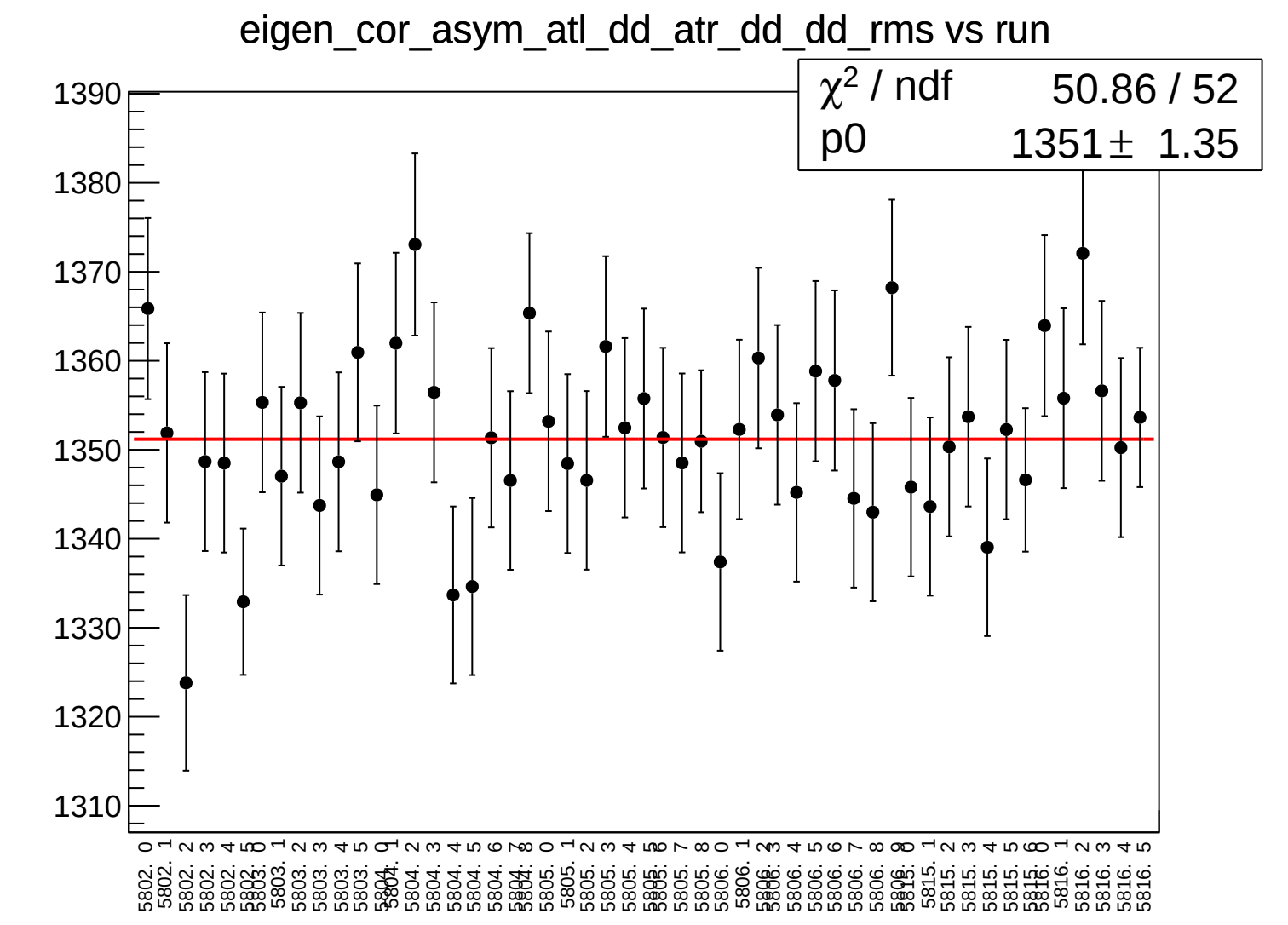

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
pull
Entries 53
Mean −66.91
Std Dev 0

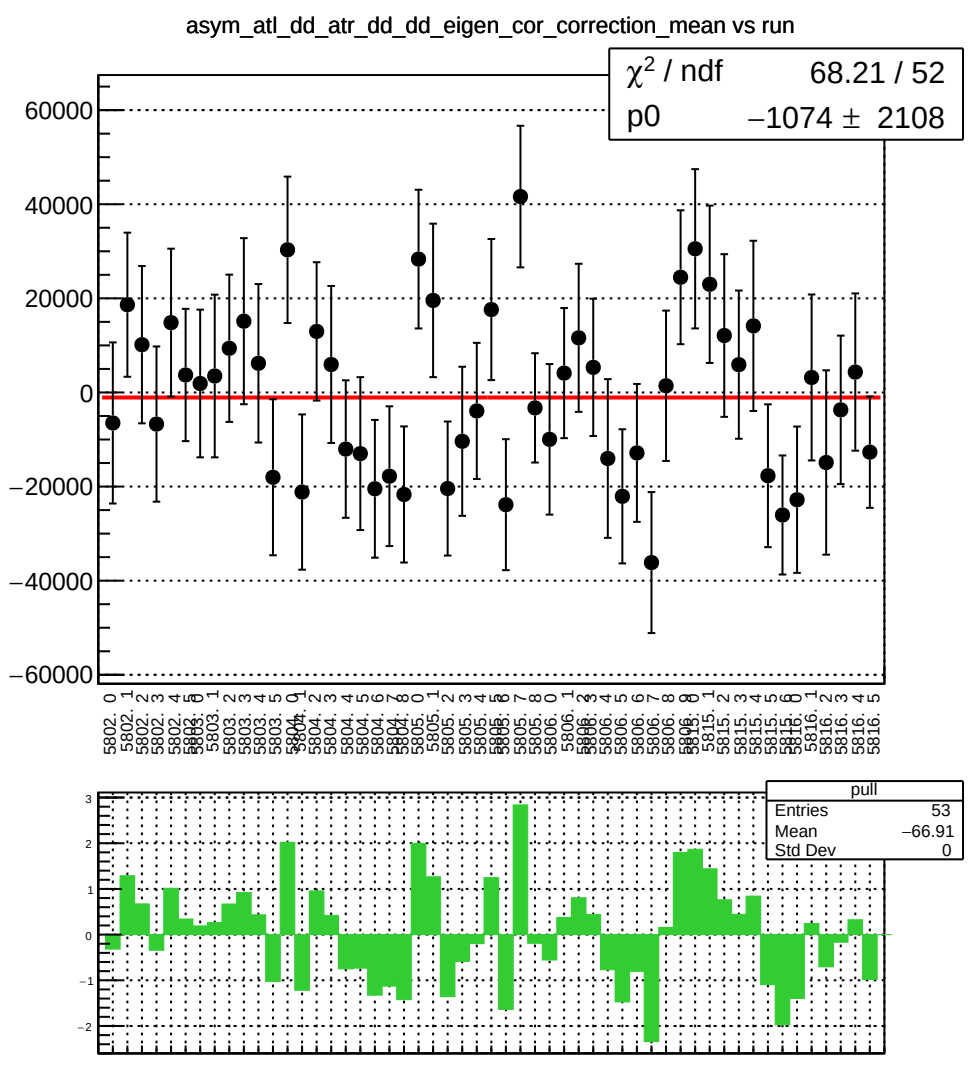

pull1D
Entries 53
Mean 0.02887
Std Dev 1.134

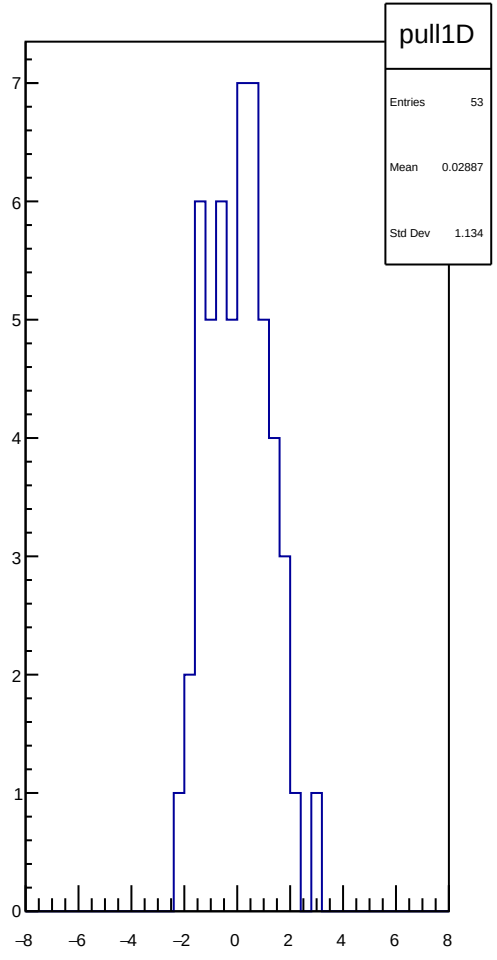

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 4978 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300

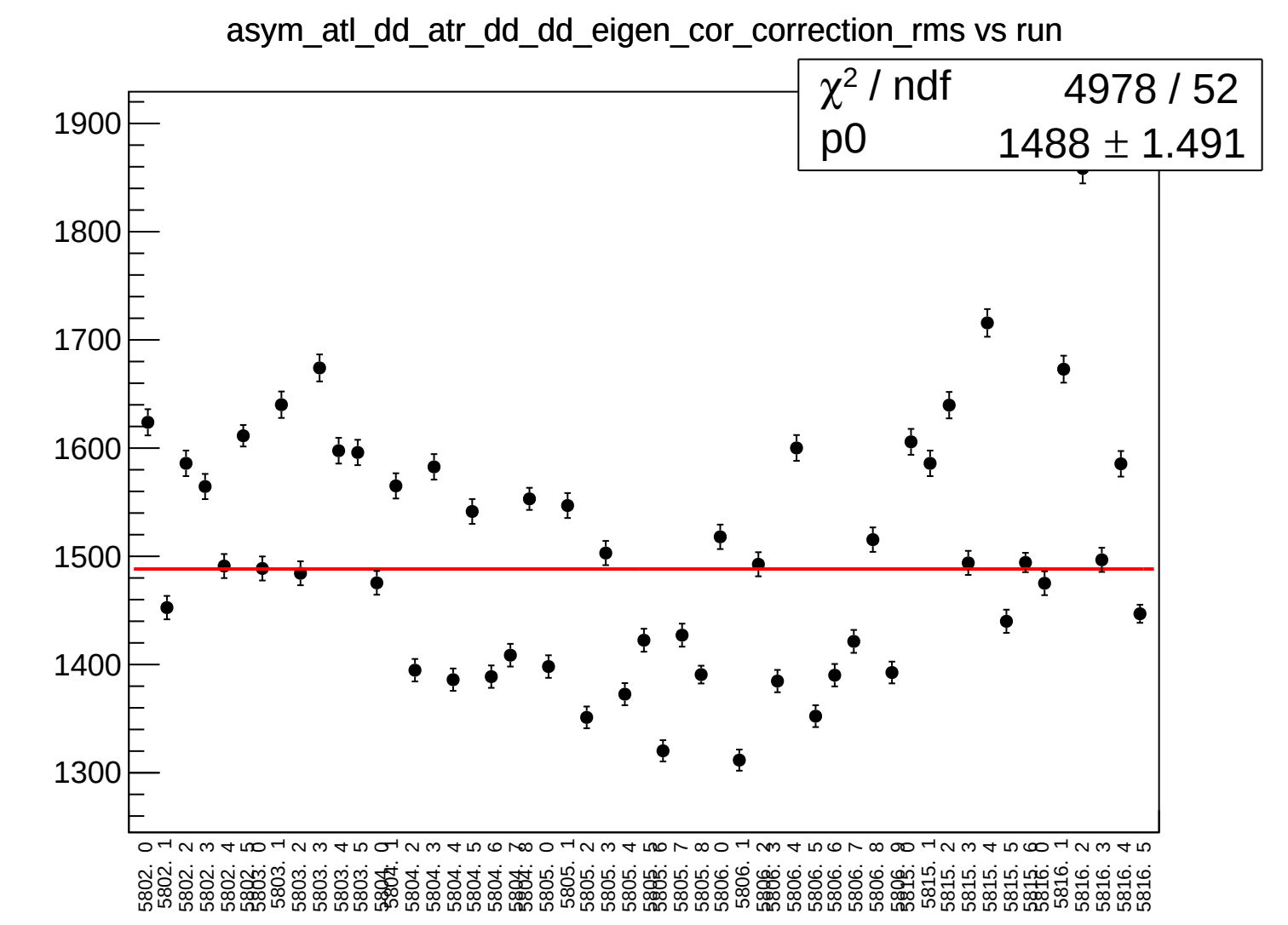

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.83 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −488.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

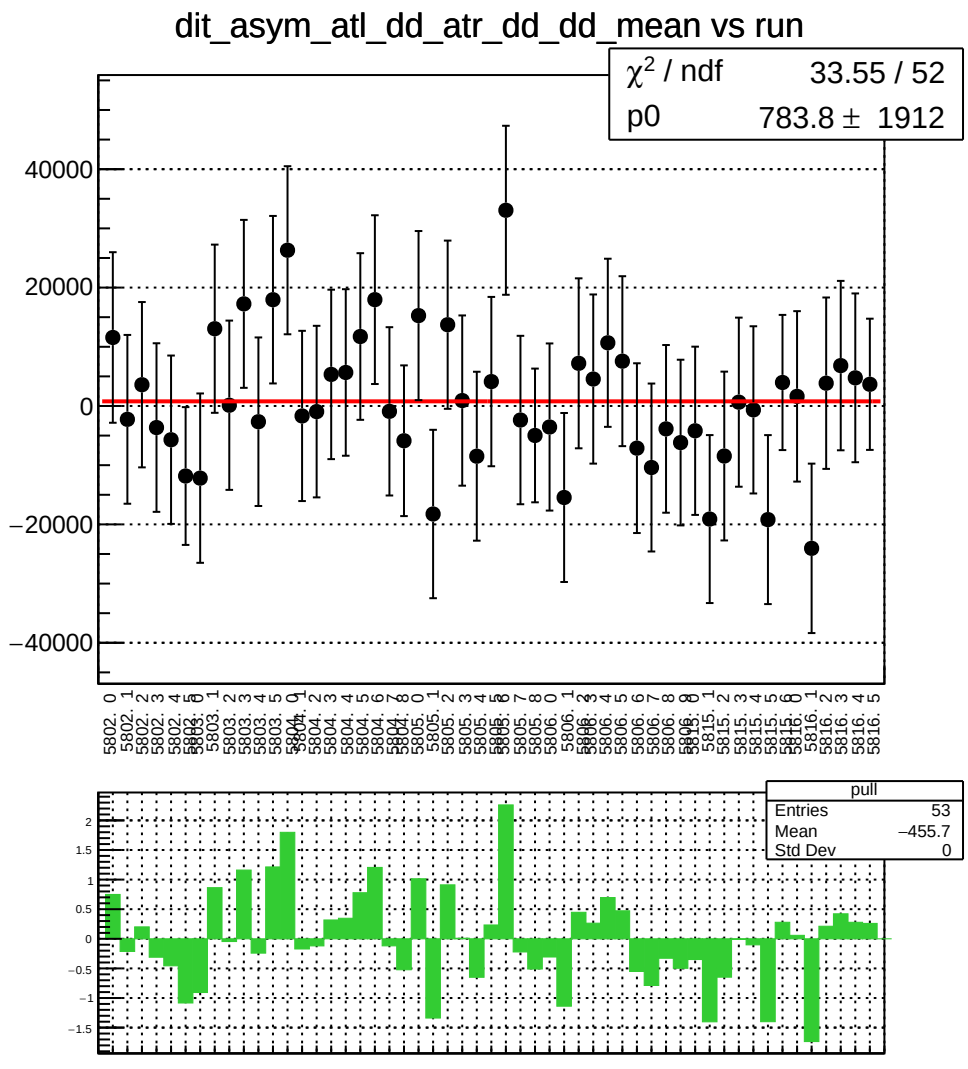

pull1D
Entries 53
Mean 0.005007
Std Dev 0.7989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

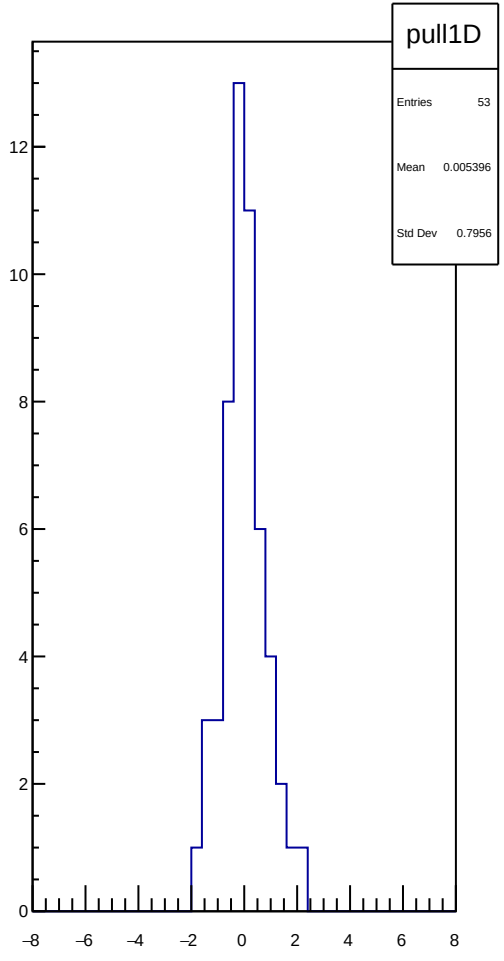

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310

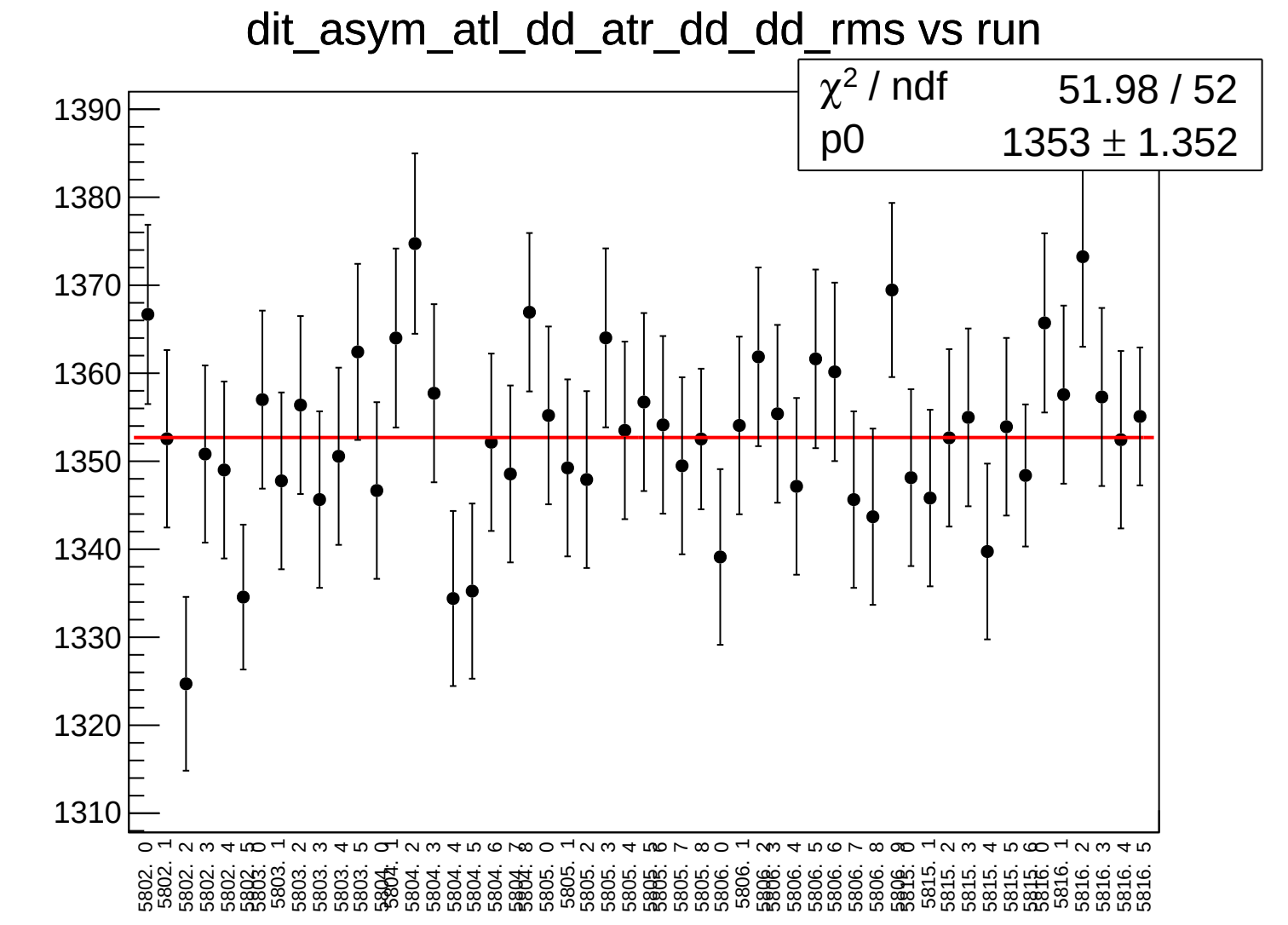

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
pull
Entries 53
Mean −66.91
Std Dev 0

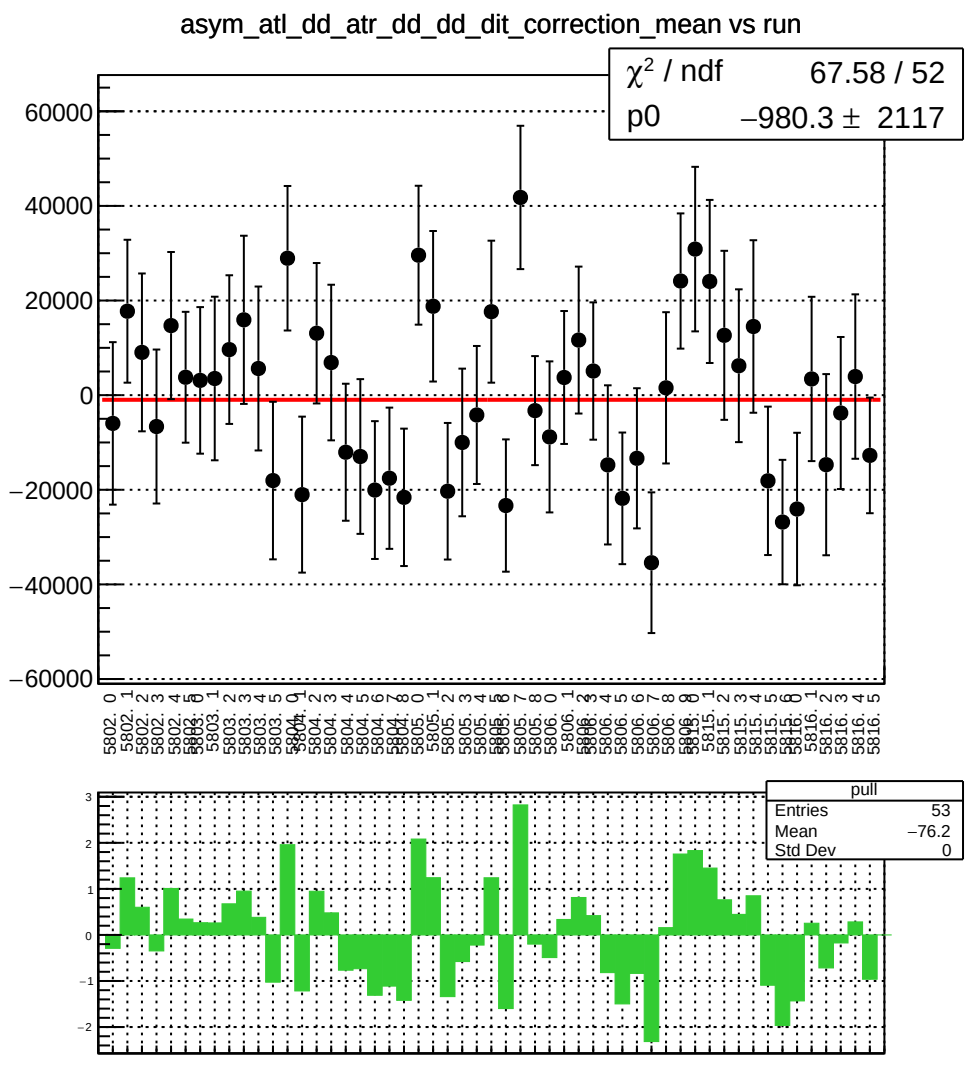

pull1D
Entries 53
Mean 0.02887
Std Dev 1.134

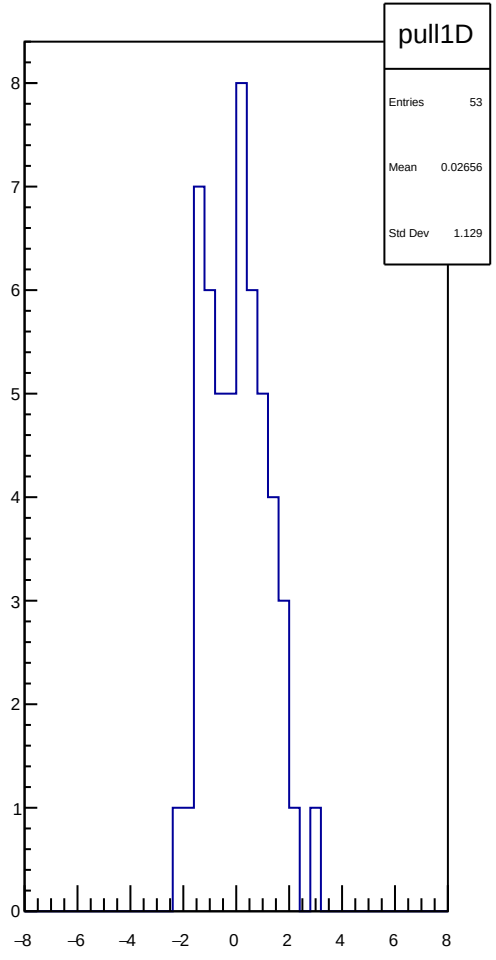

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4978 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300

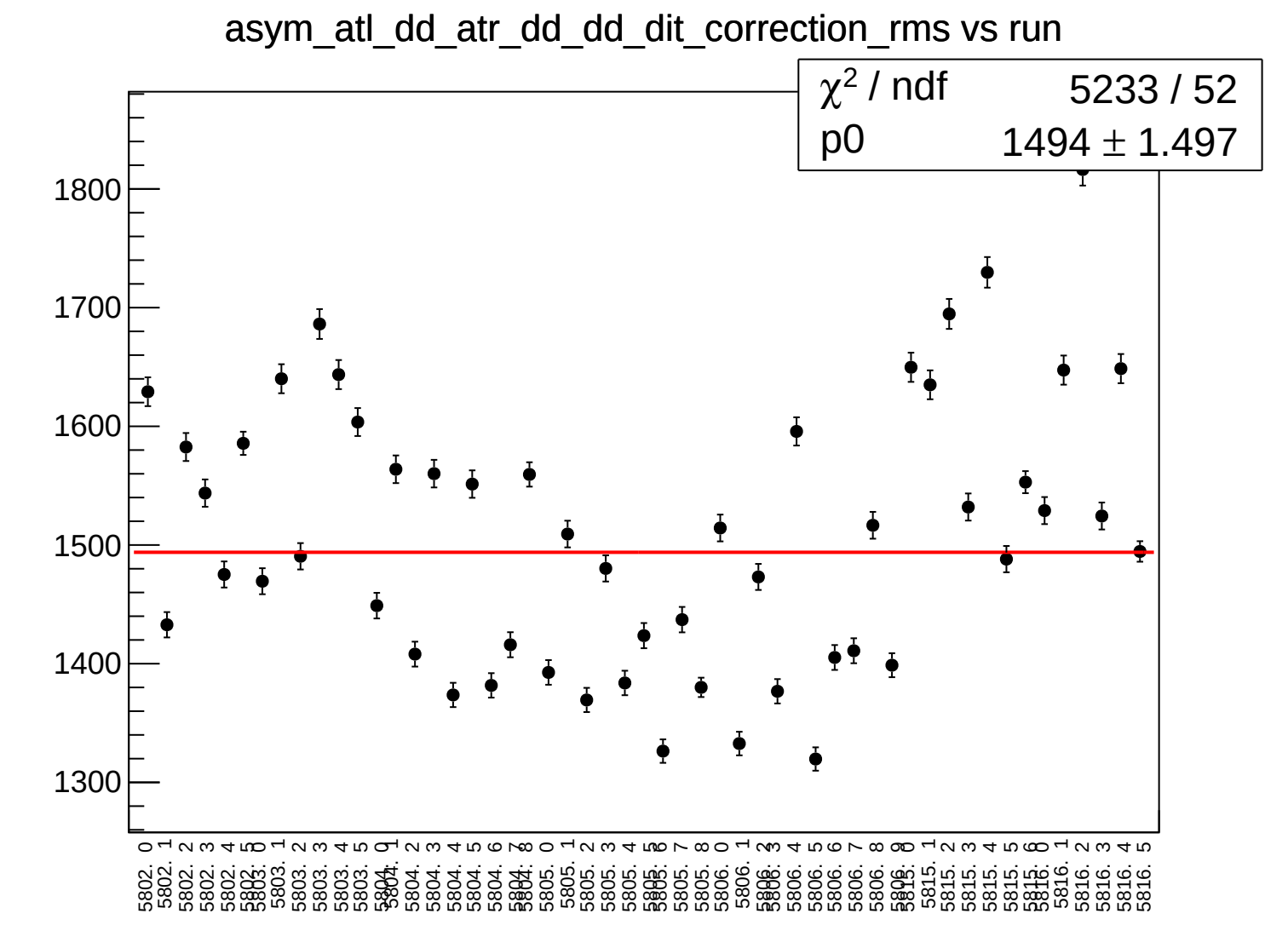

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.55 / 52
p0 783.8 ± 1912
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −455.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

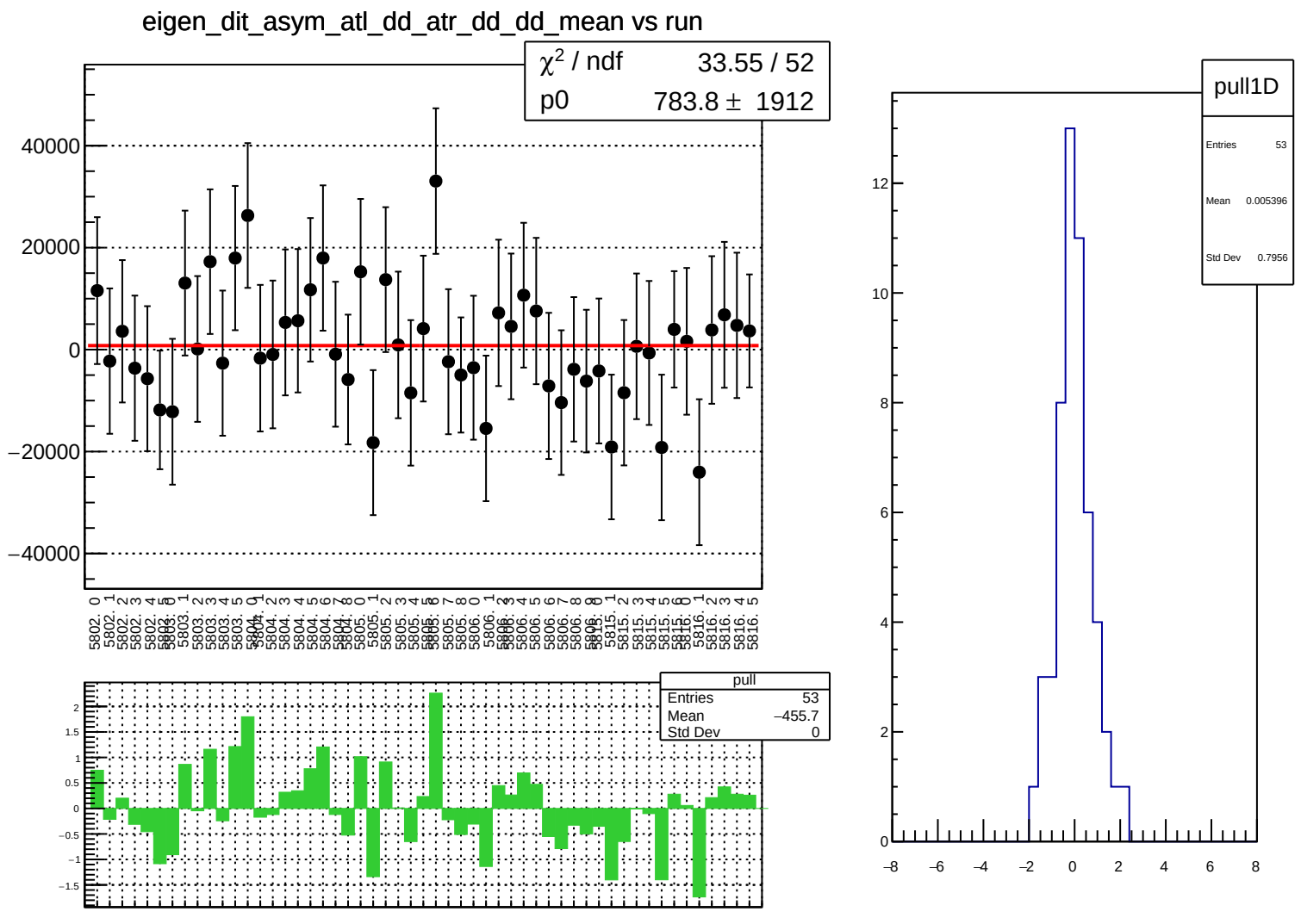

pull1D
Entries 53
Mean 0.005396
Std Dev 0.7956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

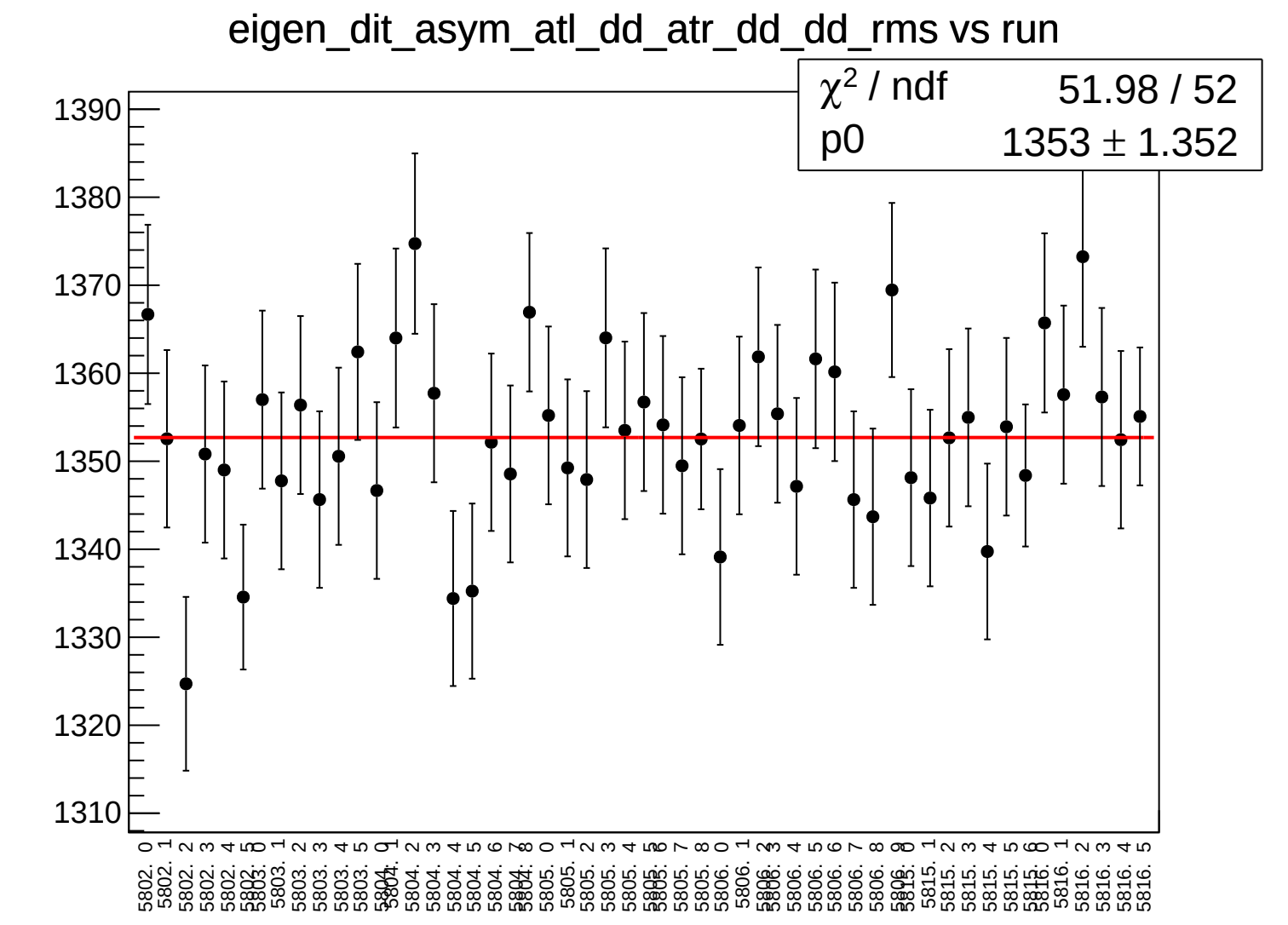

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 51.98 / 52
p0 1353 ± 1.352
1390
1380
1370
1360
1350
1340
1330
1320
1310

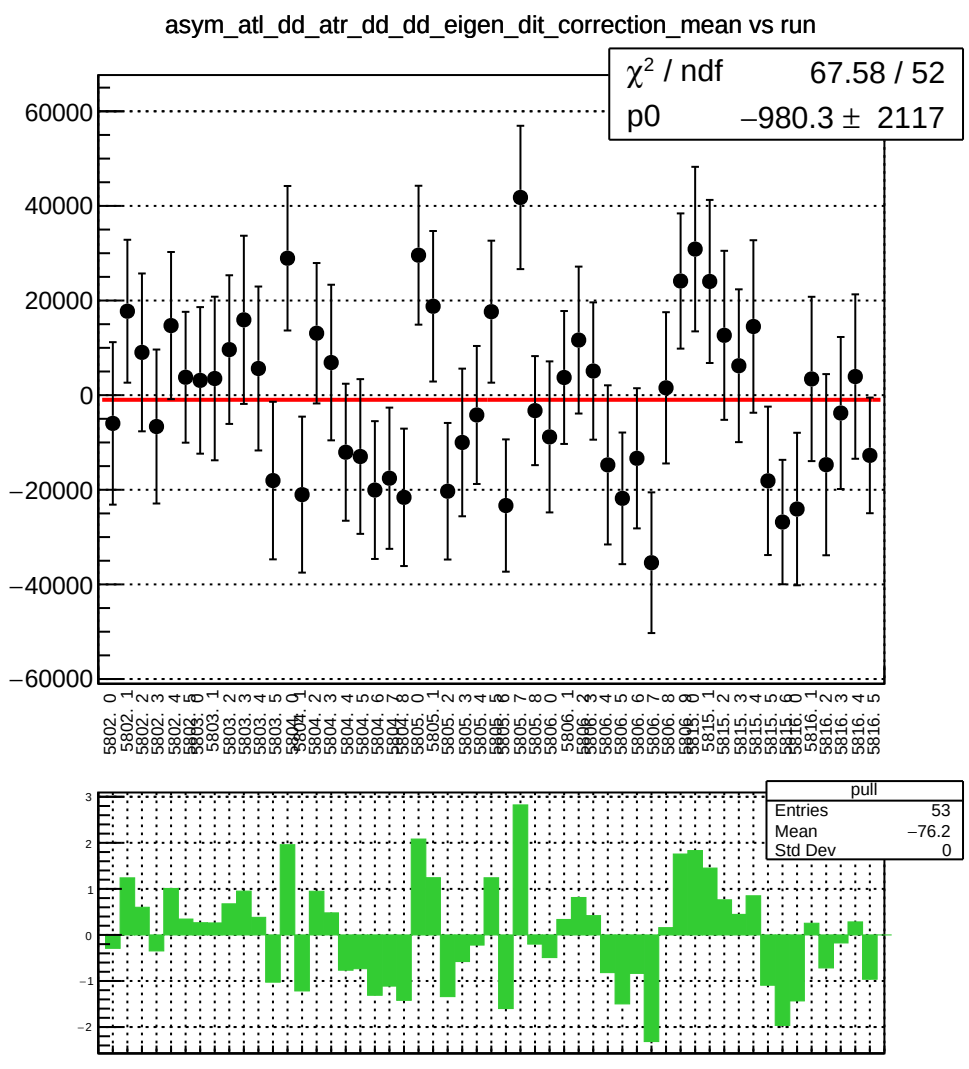

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 67.58 / 52
p0 −980.3 ± 2117
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −76.2
Std Dev 0
3
2
1
0
−1
−2

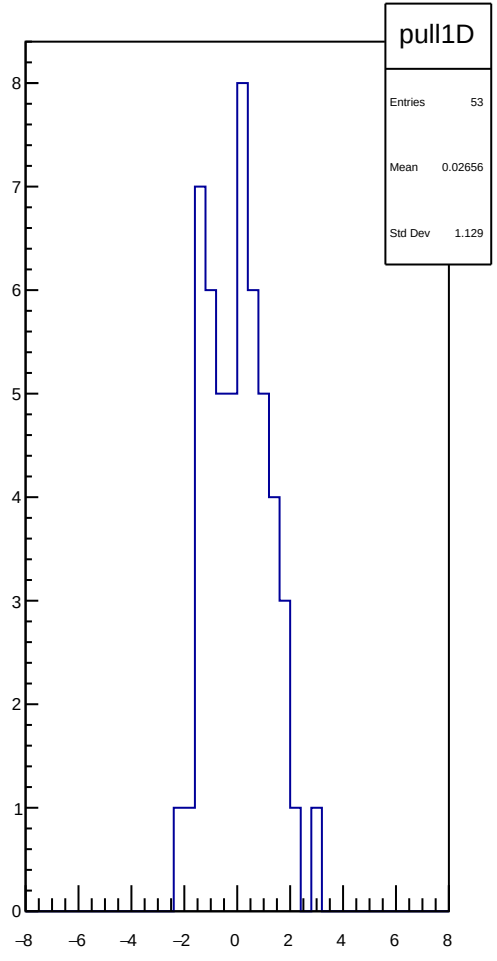

pull1D
Entries 53
Mean 0.02656
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

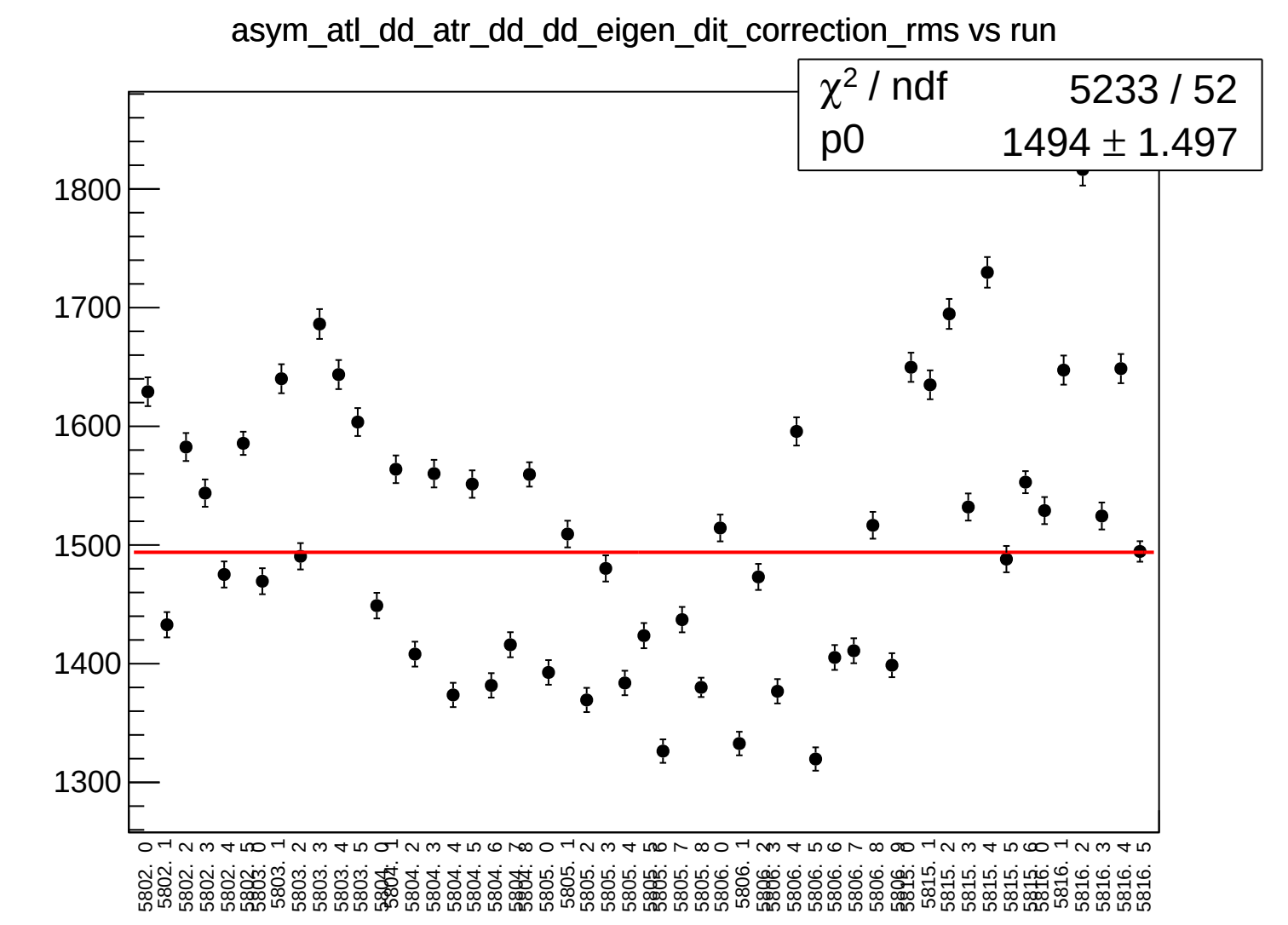

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 5233 / 52
p0 1494 ± 1.497
1800
1700
1600
1500
1400
1300

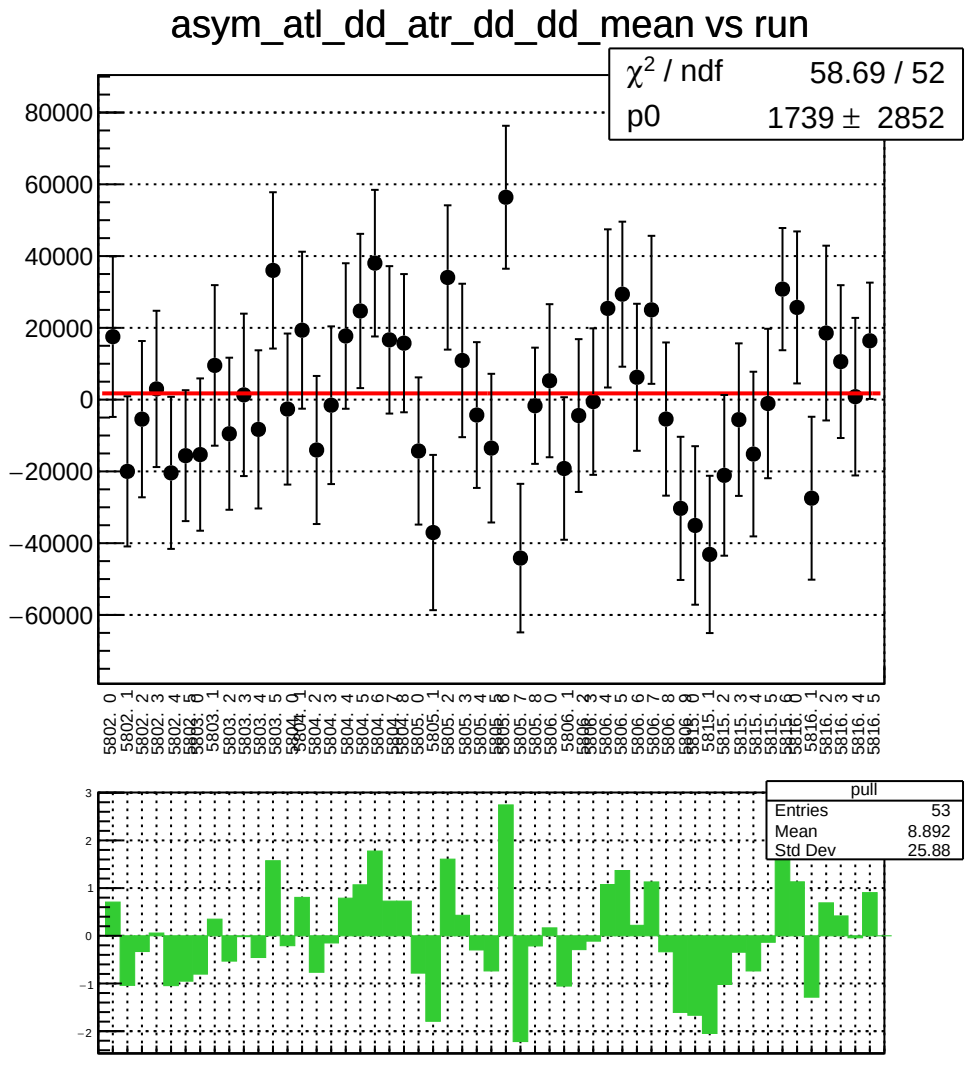

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.55 / 52
p0 783.8 ± 1912
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −455.7
Std Dev 0
pull1D
Entries 53
Mean 0.005396
Std Dev 0.7956

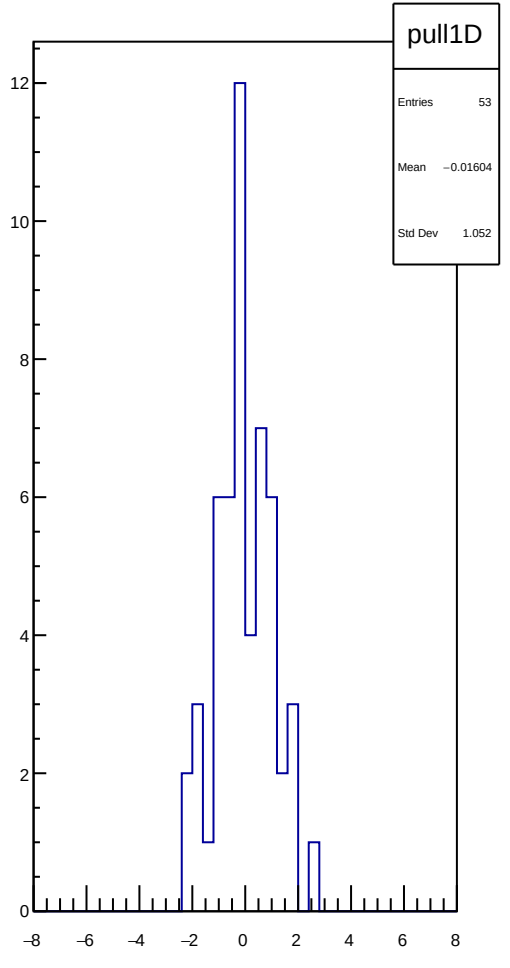

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 51.98 / 52
p0 1353 ± 1.352
1390
1380
1370
1360
1350
1340
1330
1320
1310

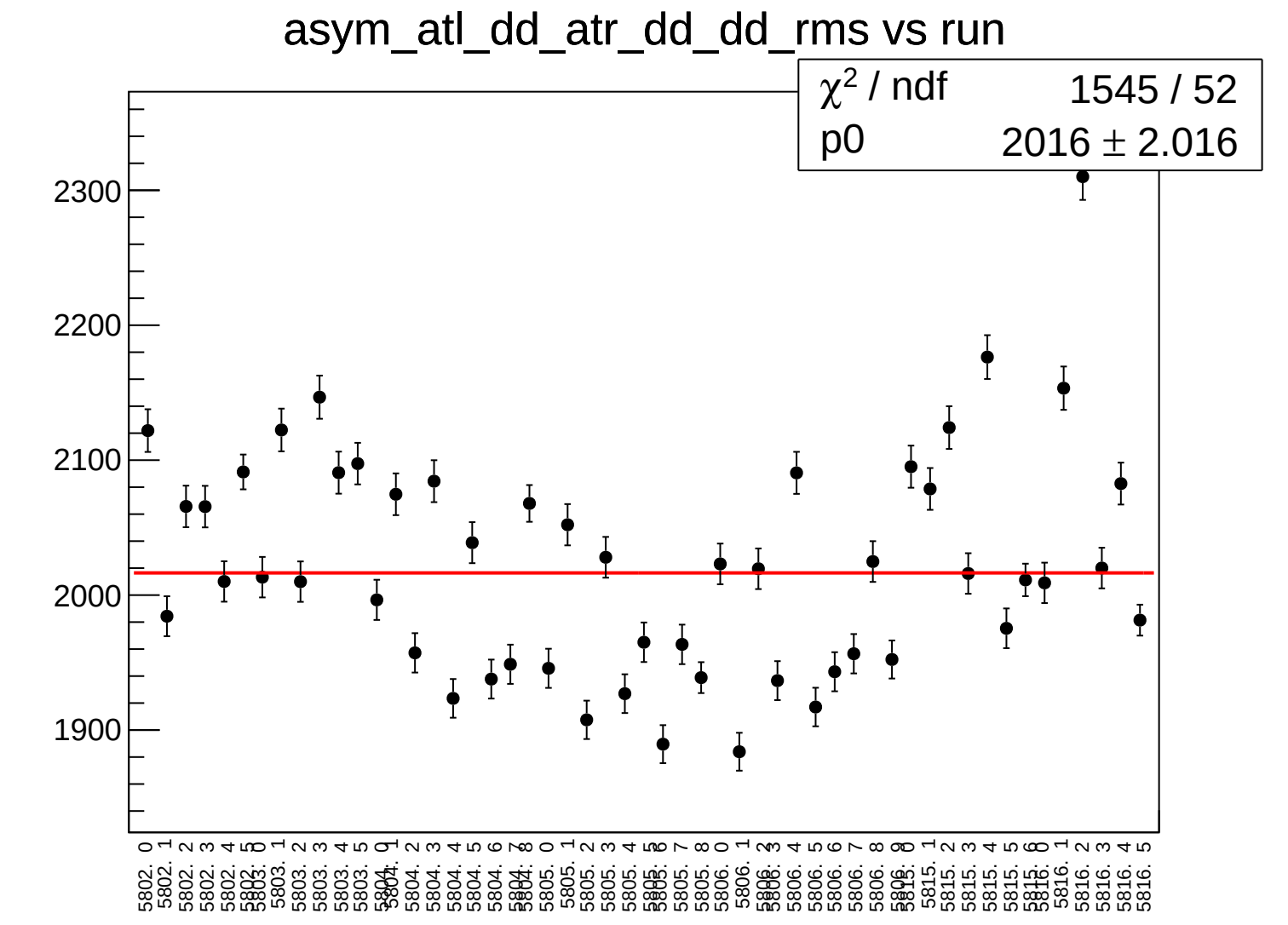

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.58 / 52
p0 −980.3 ± 2117
pull
Entries 53
Mean −76.2
Std Dev 0

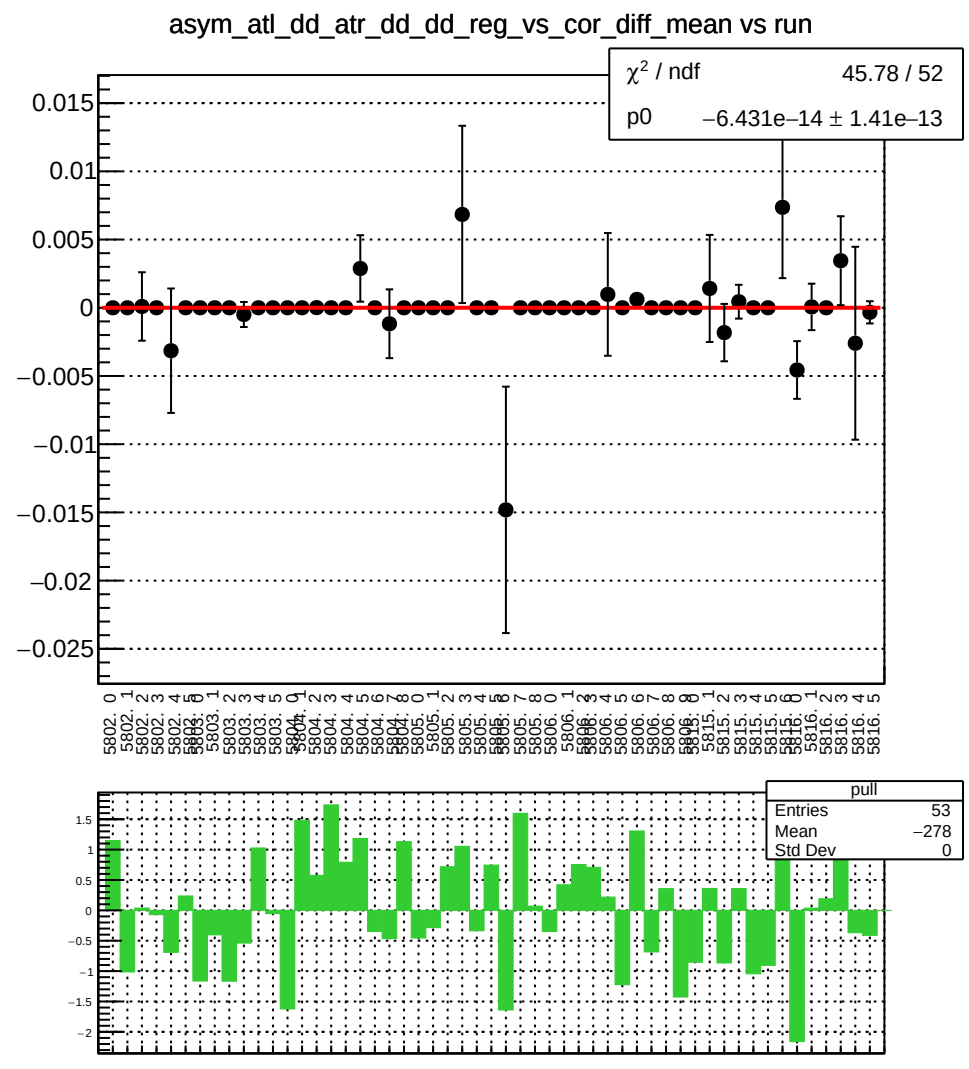

pull1D
Entries 53
Mean 0.02656
Std Dev 1.129

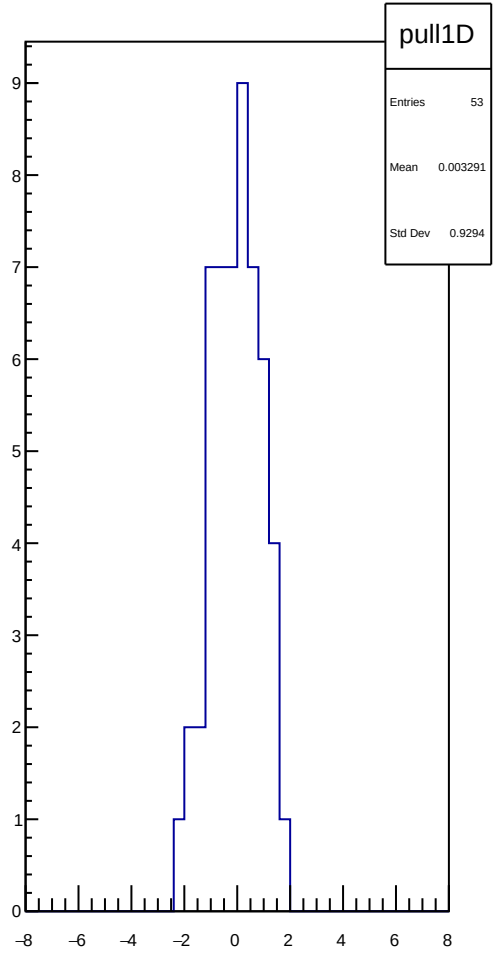

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5233 / 52
p0 1494 ± 1.497
1800
1700
1600
1500
1400
1300

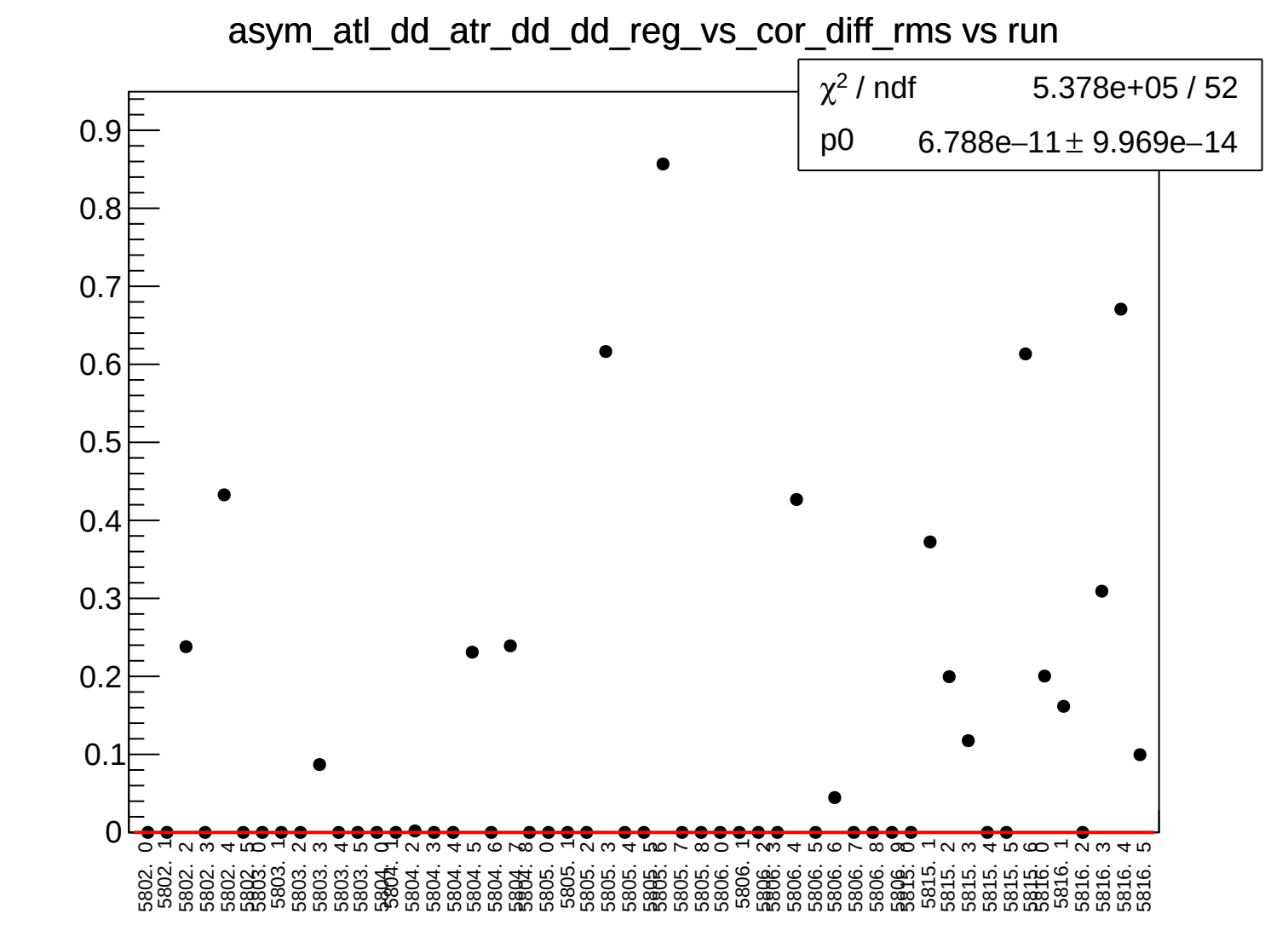

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.69 / 52
p0 1739 ± 2852
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 8.892
Std Dev 25.88
3
2
1
0
−1
−2

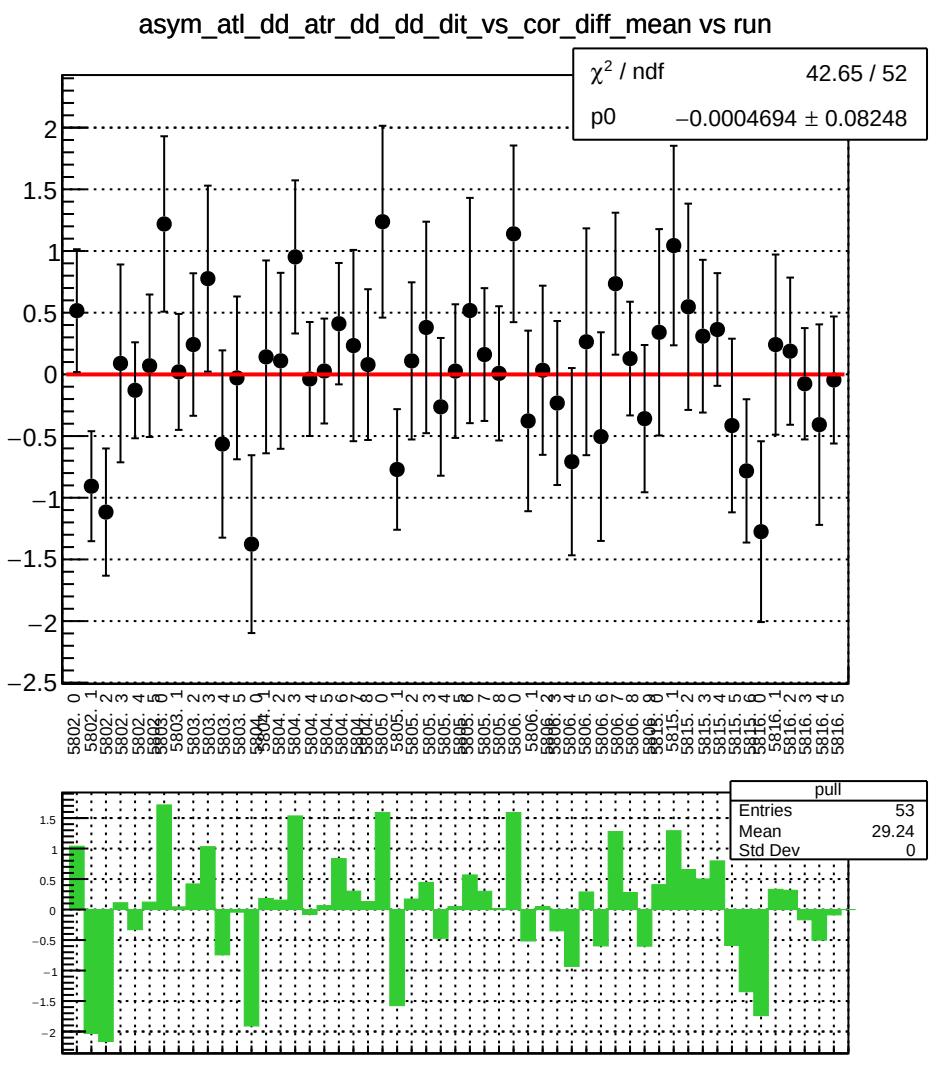

pull1D
Entries 53
Mean −0.01604
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

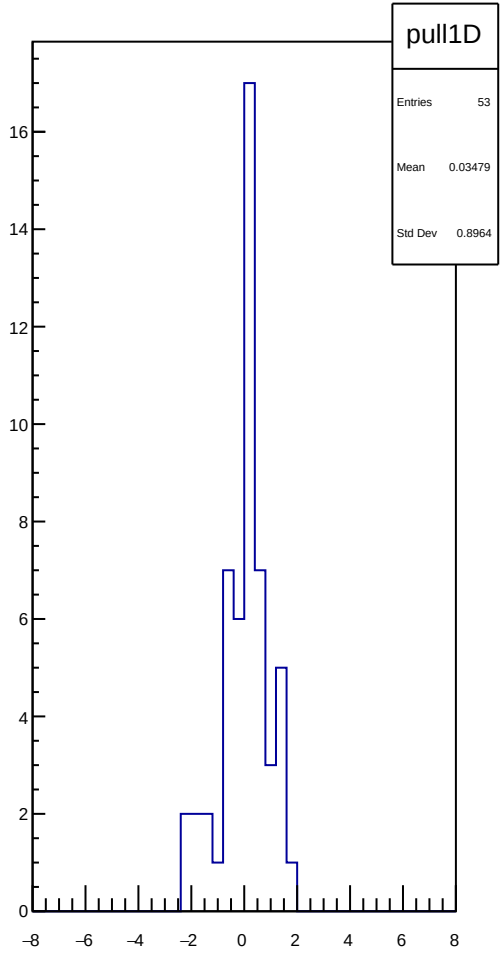

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1545 / 52
p0 2016 ± 2.016
2300
2200
2100
2000
1900

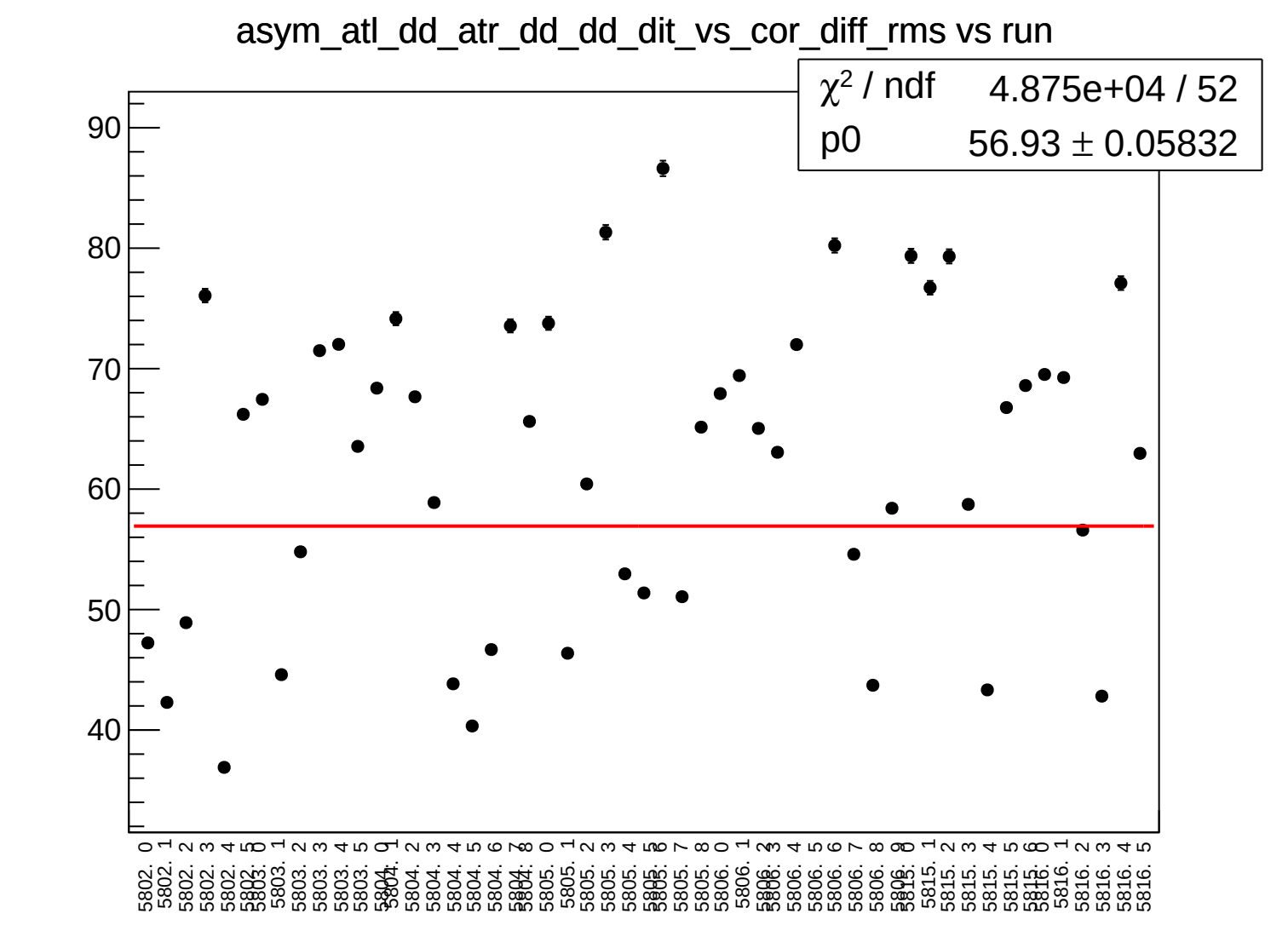

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.78 / 52
p0 −6.431e−14 ± 1.41e−13
pull
Entries 53
Mean −278
Std Dev 0

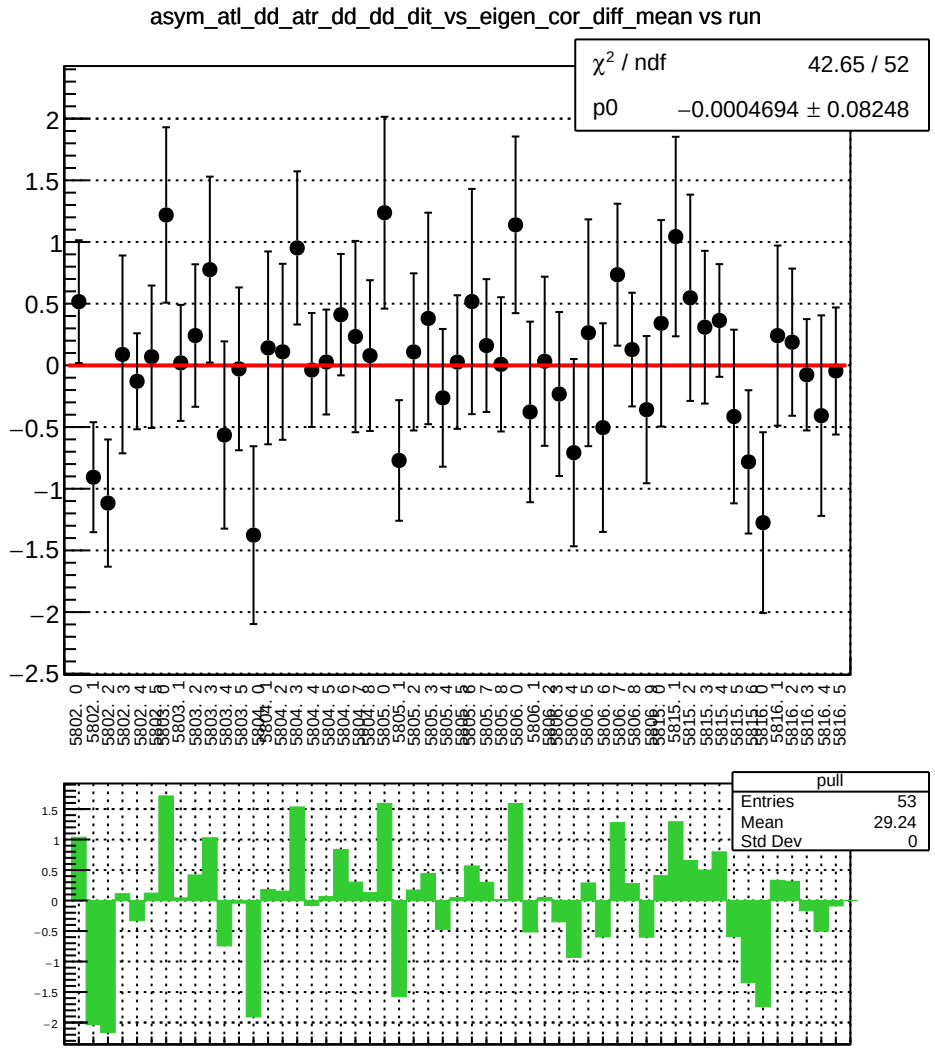

pull1D
Entries 53
Mean 0.003291
Std Dev 0.9294

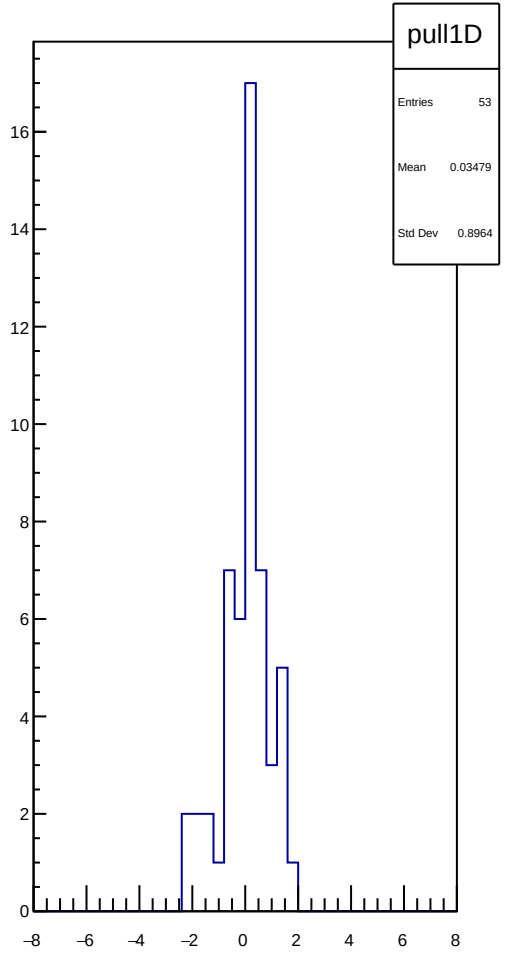

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.378e+05 / 52
p0 6.788e−11 ± 9.969e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

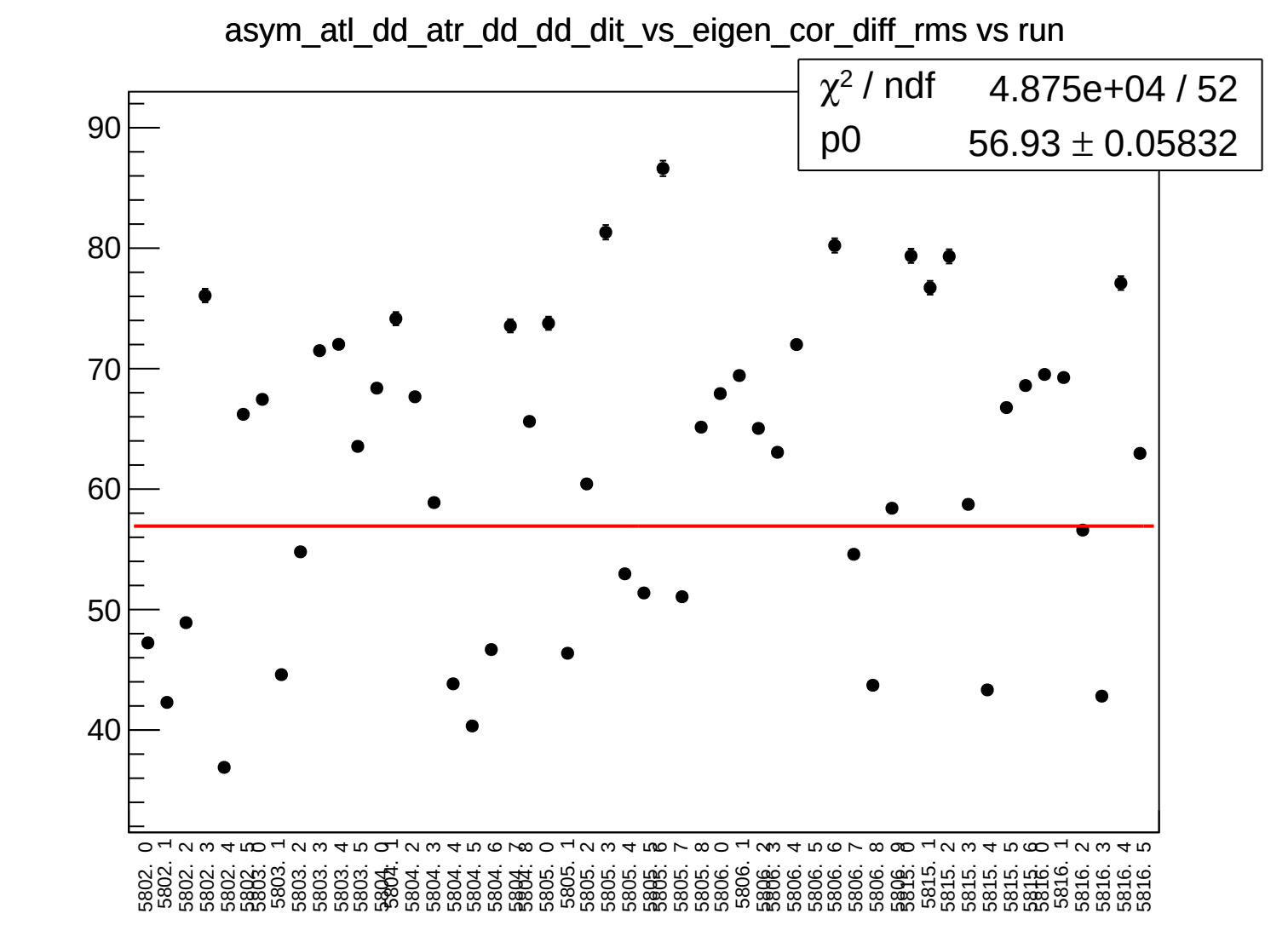

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004694 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

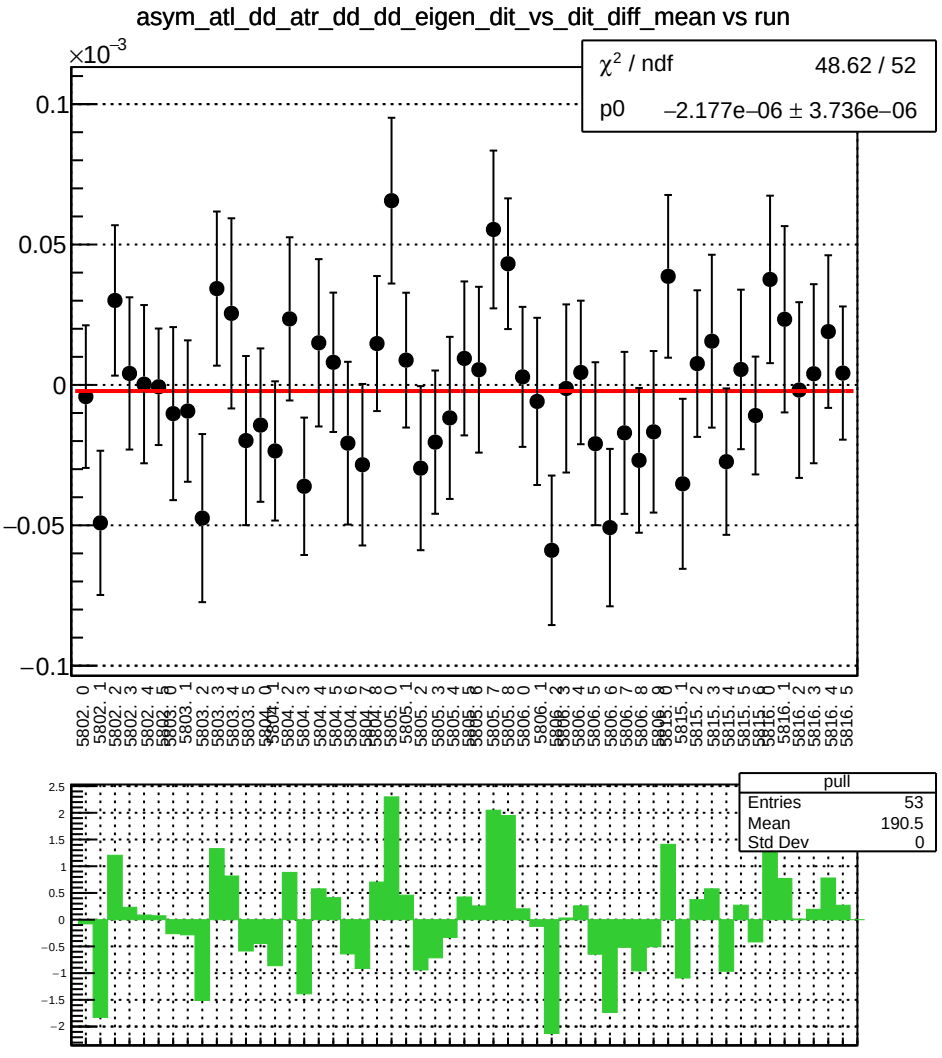

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

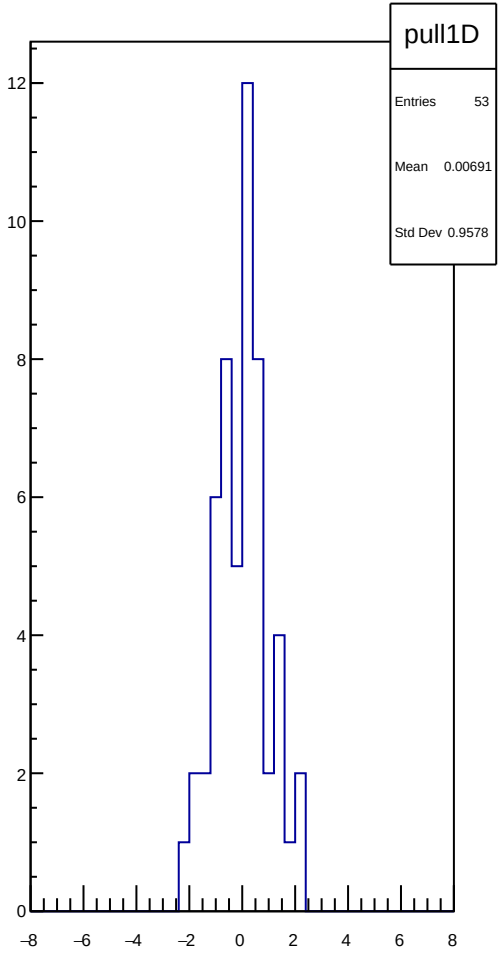

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

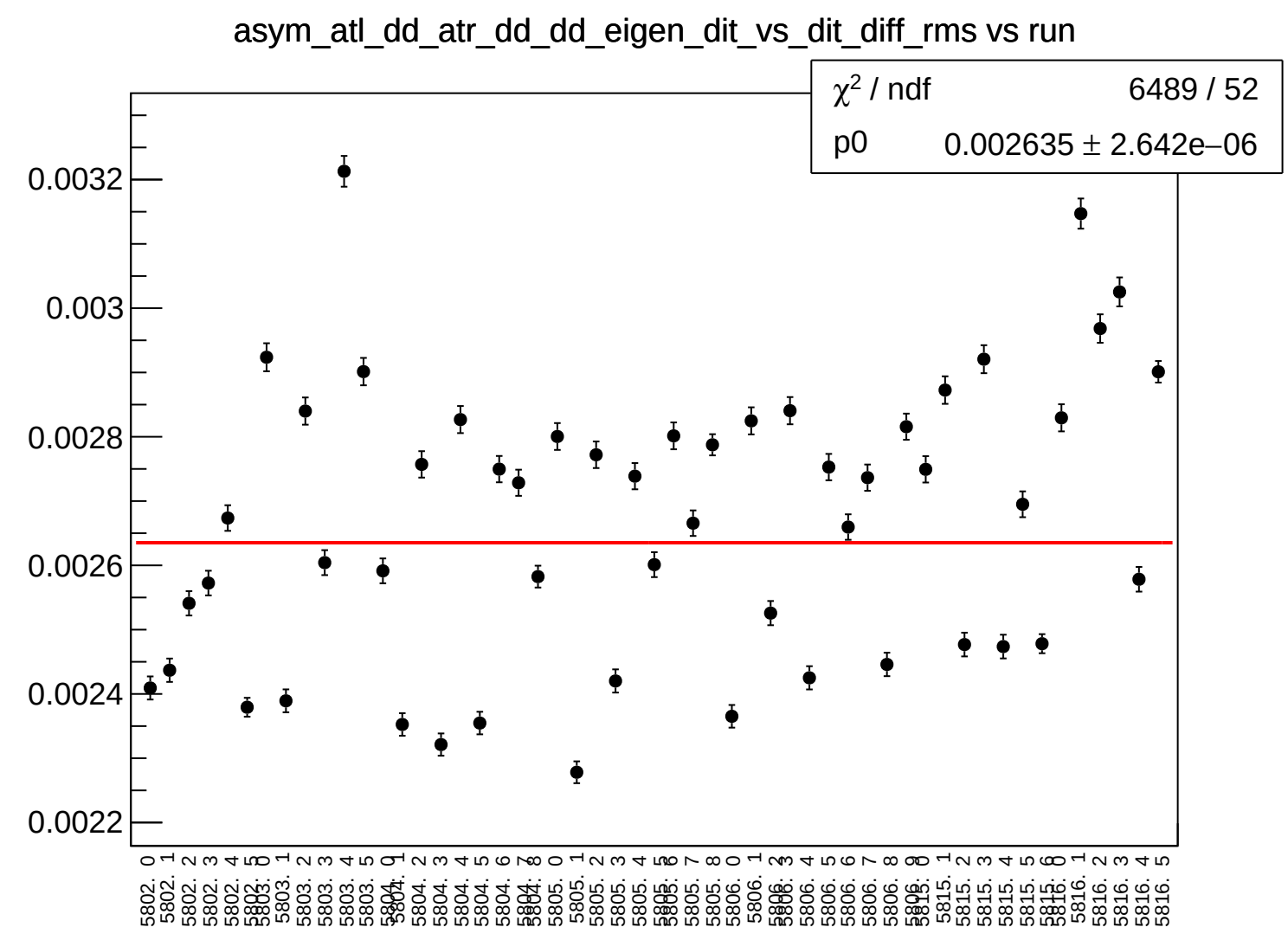

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004694 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

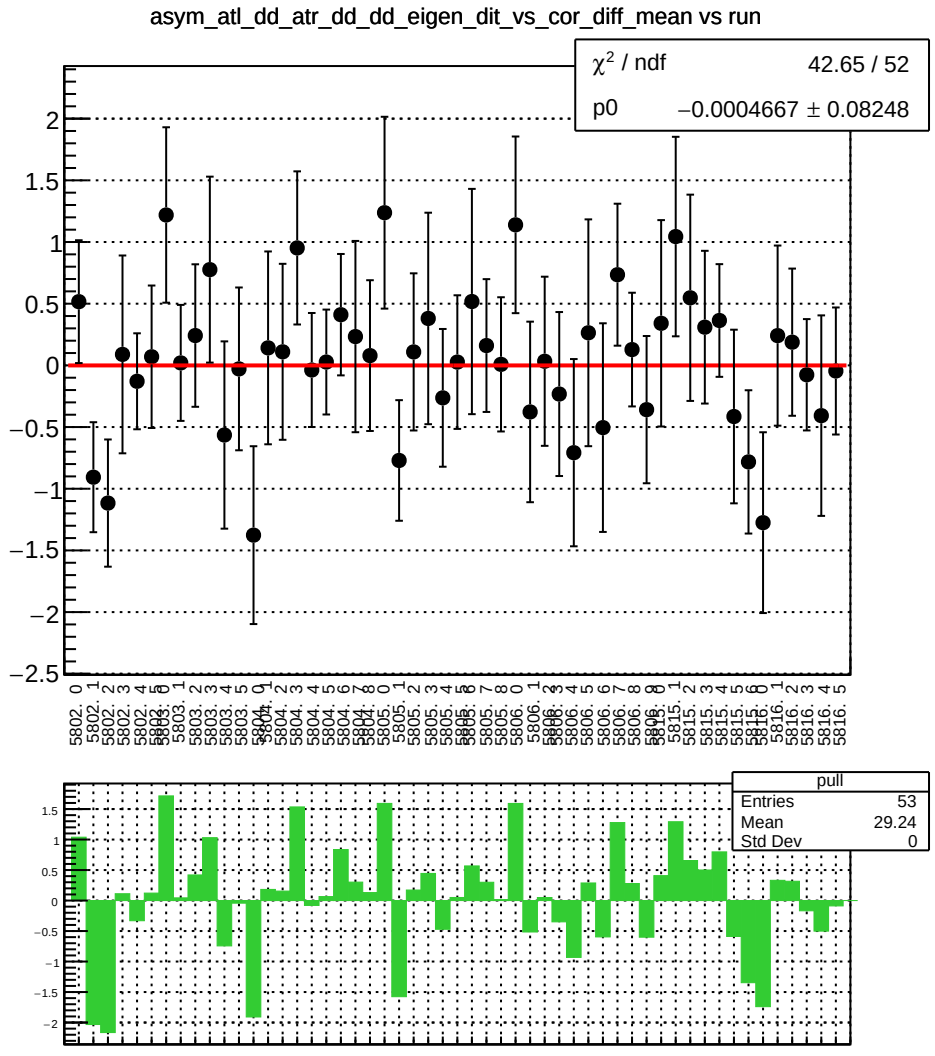

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

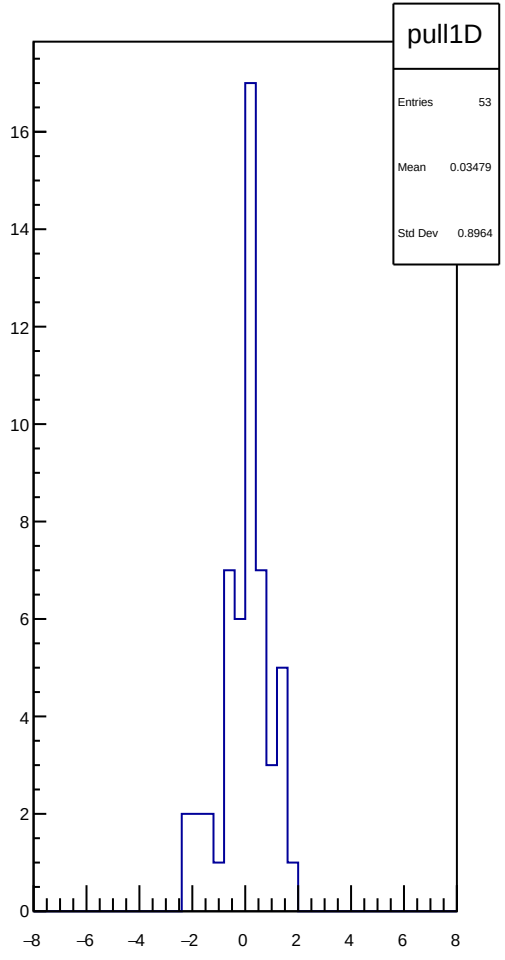

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

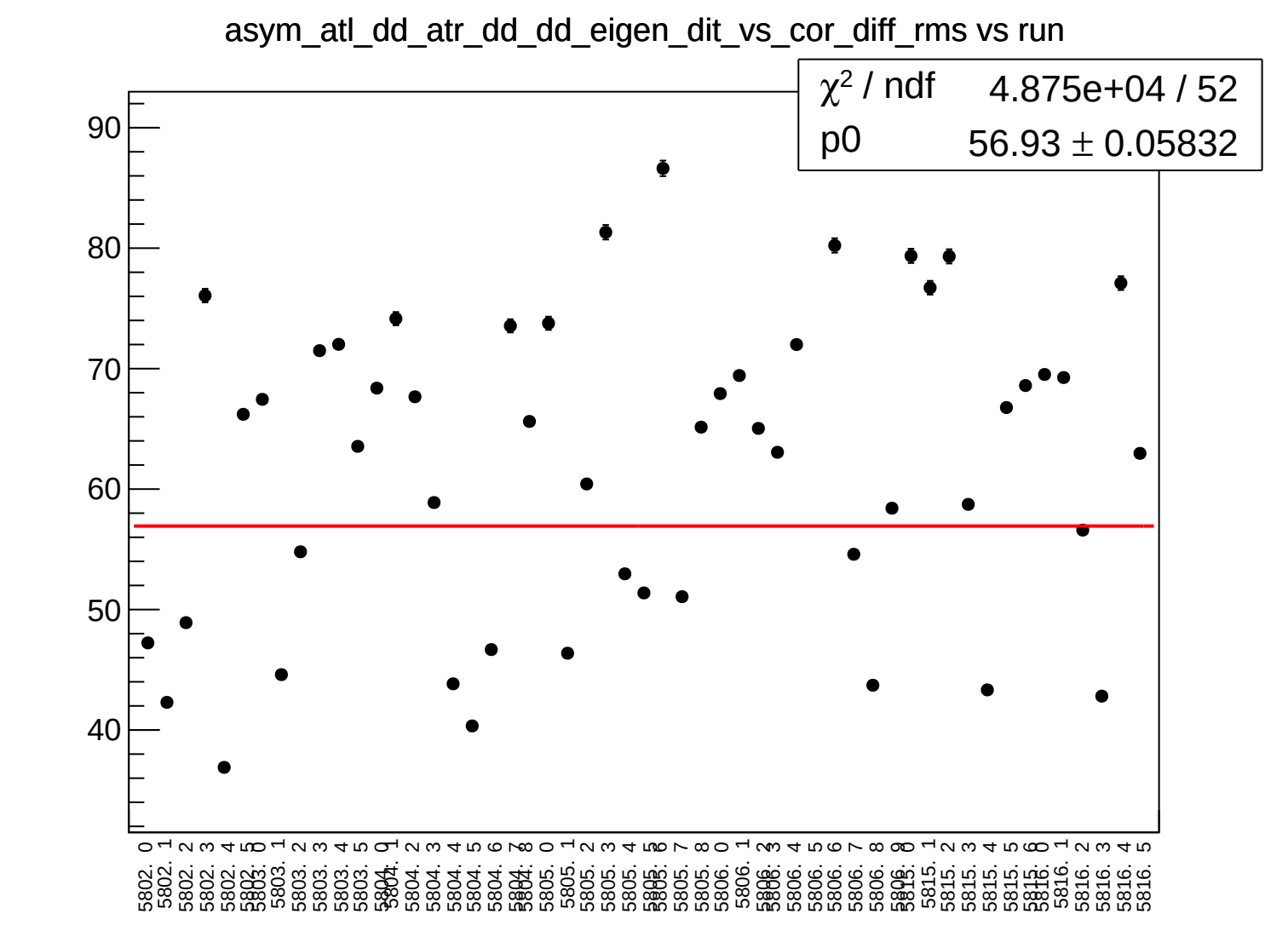

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.62 / 52
p0 −2.177e−06 ± 3.736e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean 190.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

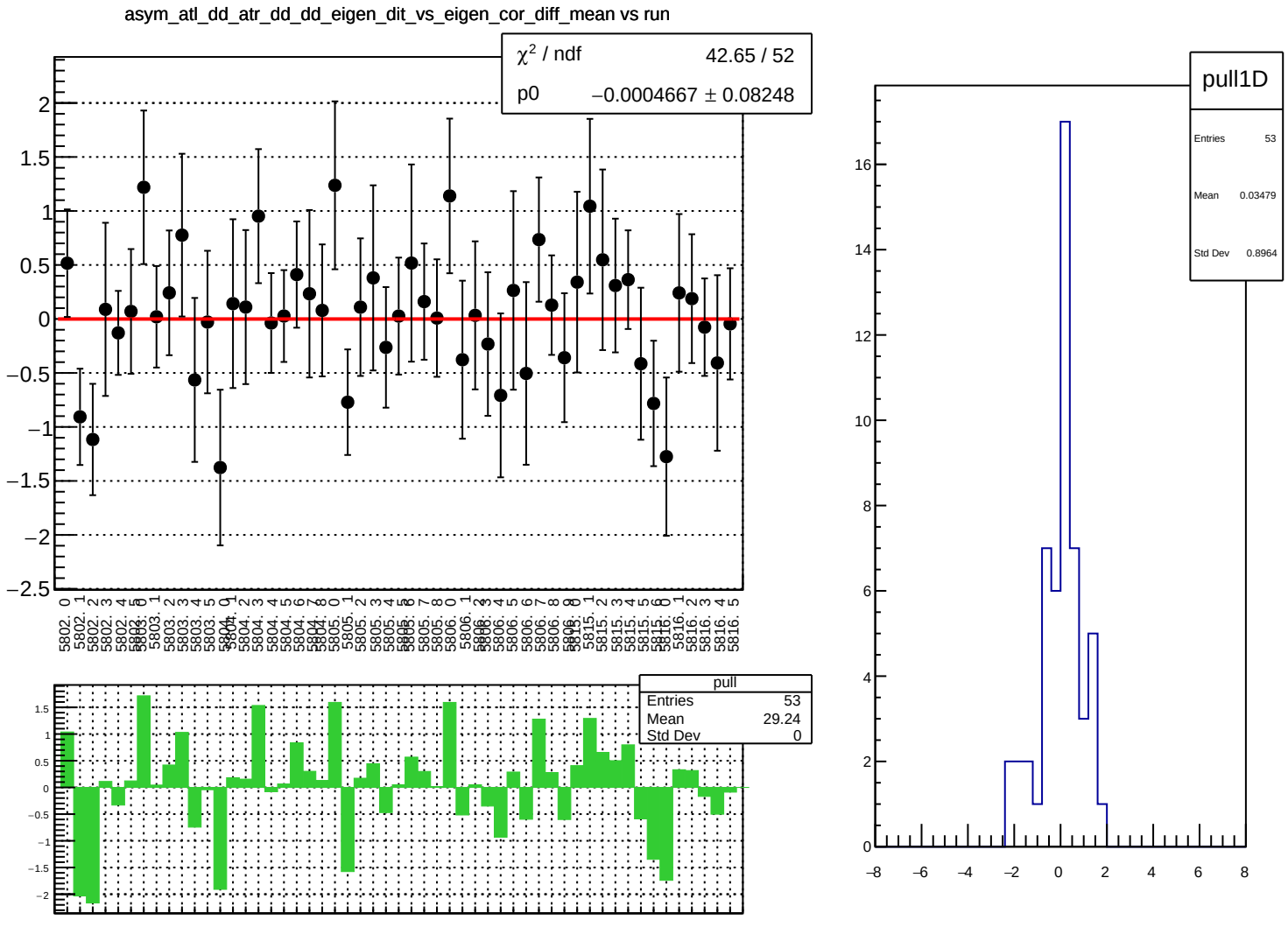

pull1D
Entries 53
Mean 0.00691
Std Dev 0.9578
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

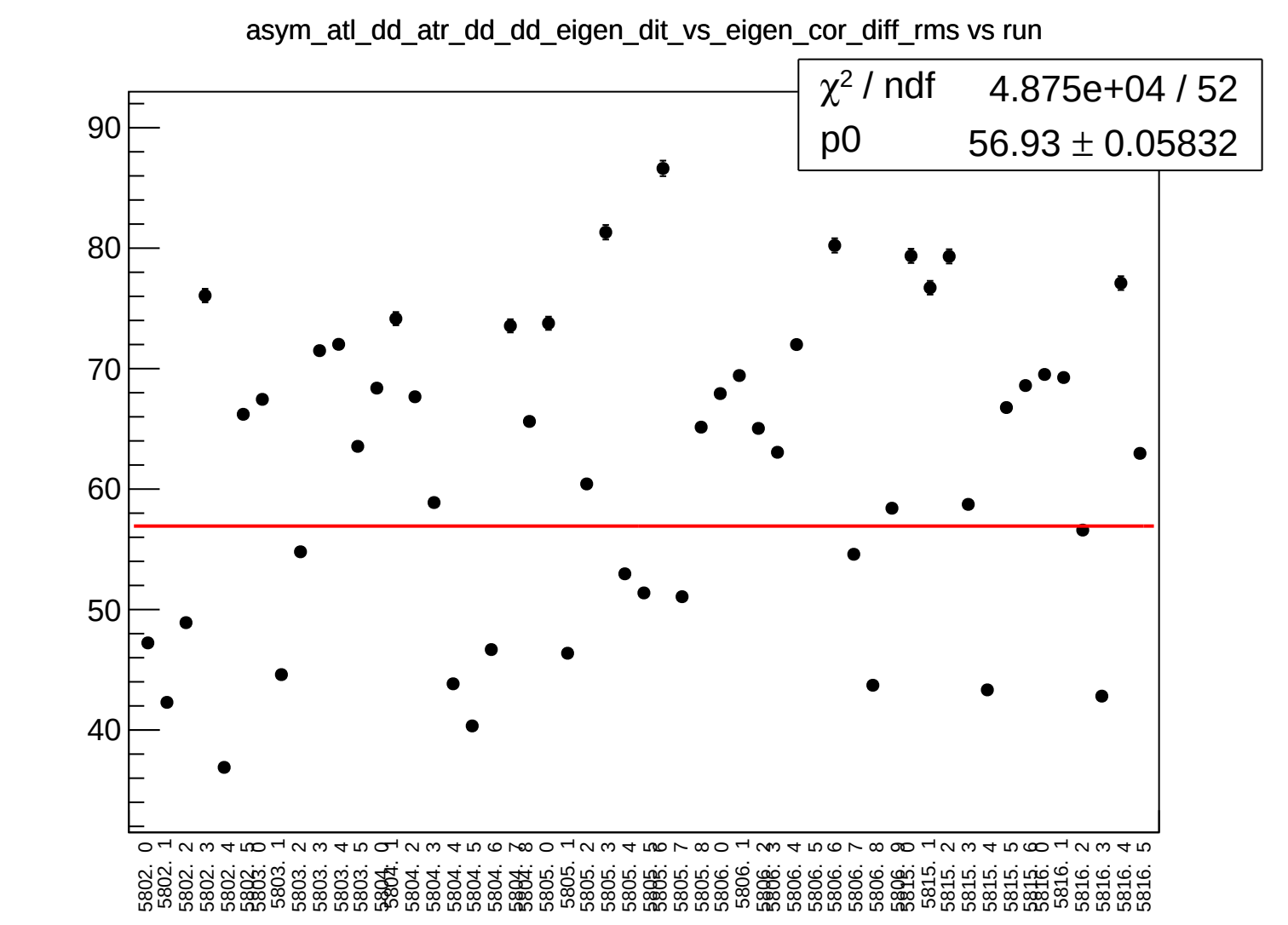

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6489 / 52
p0 0.002635 ± 2.642e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

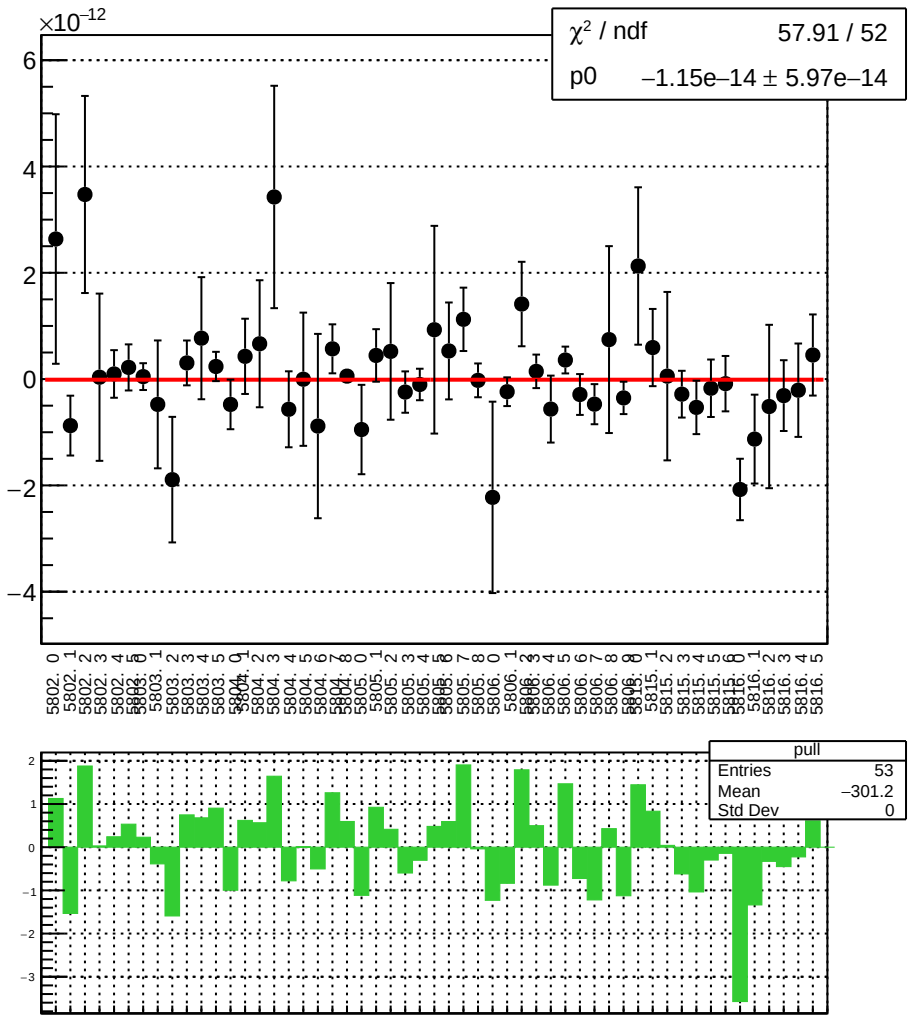

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004667 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

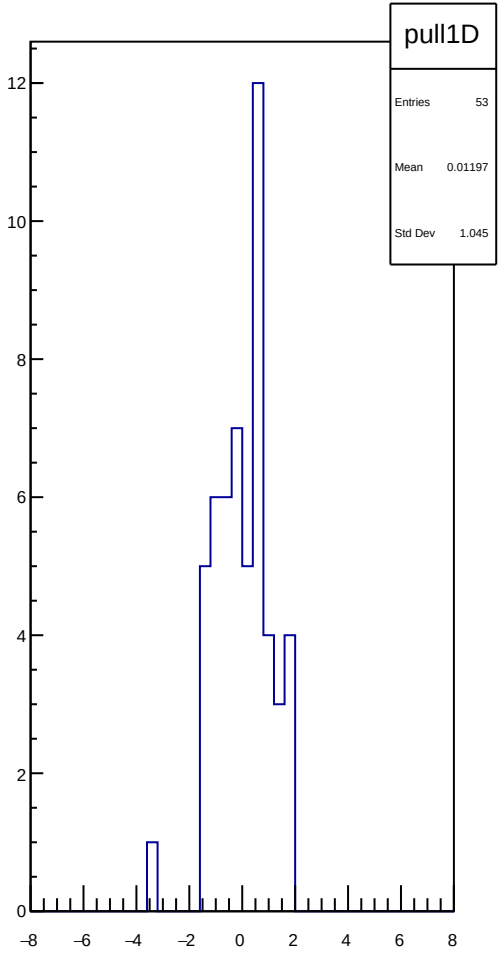

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

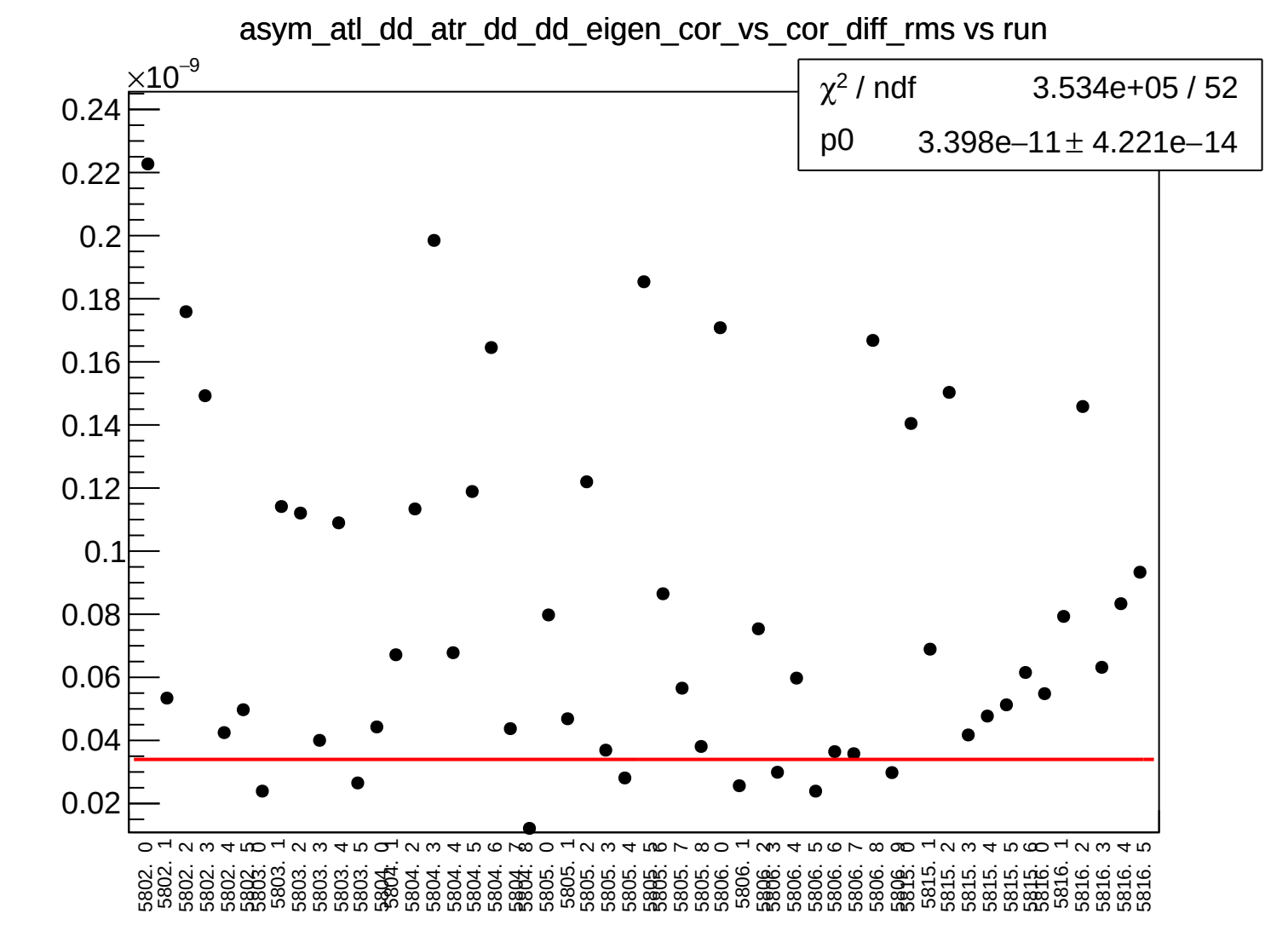

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

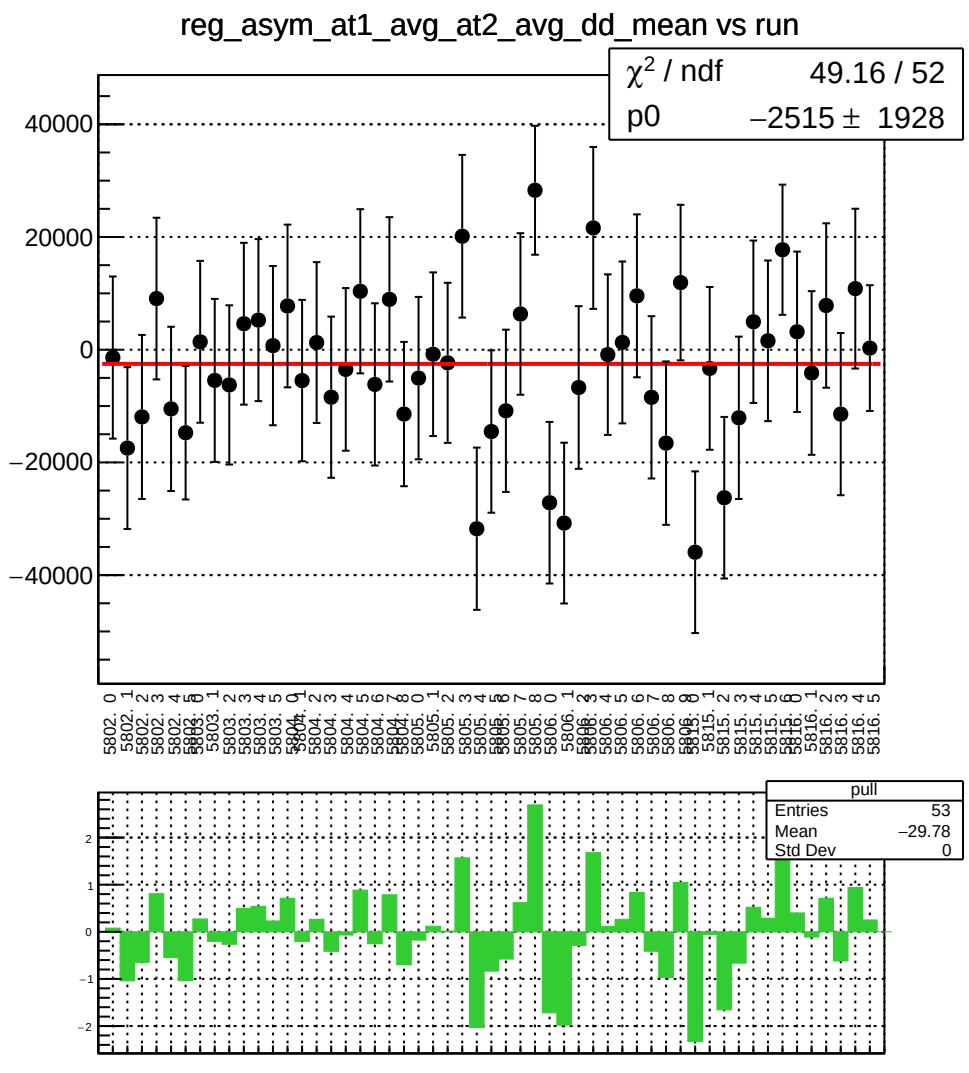

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004667 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0
pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

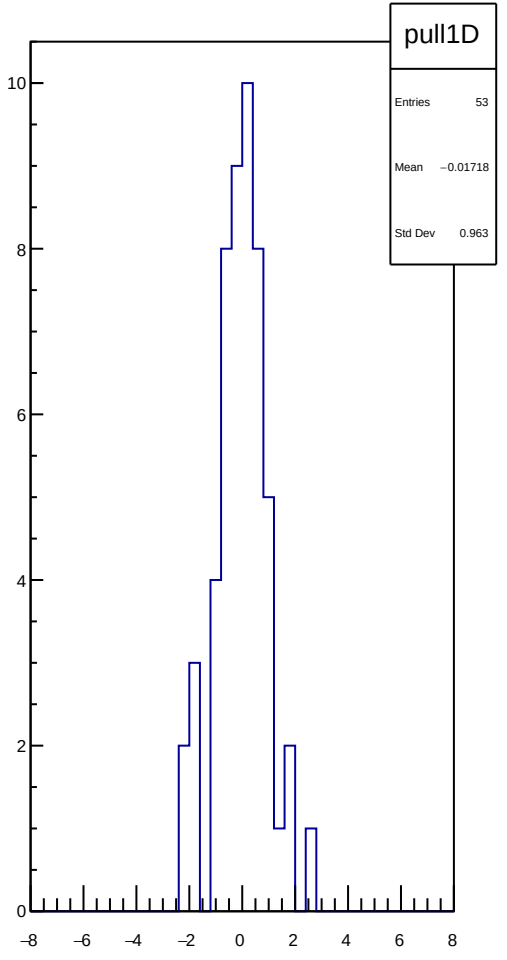

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

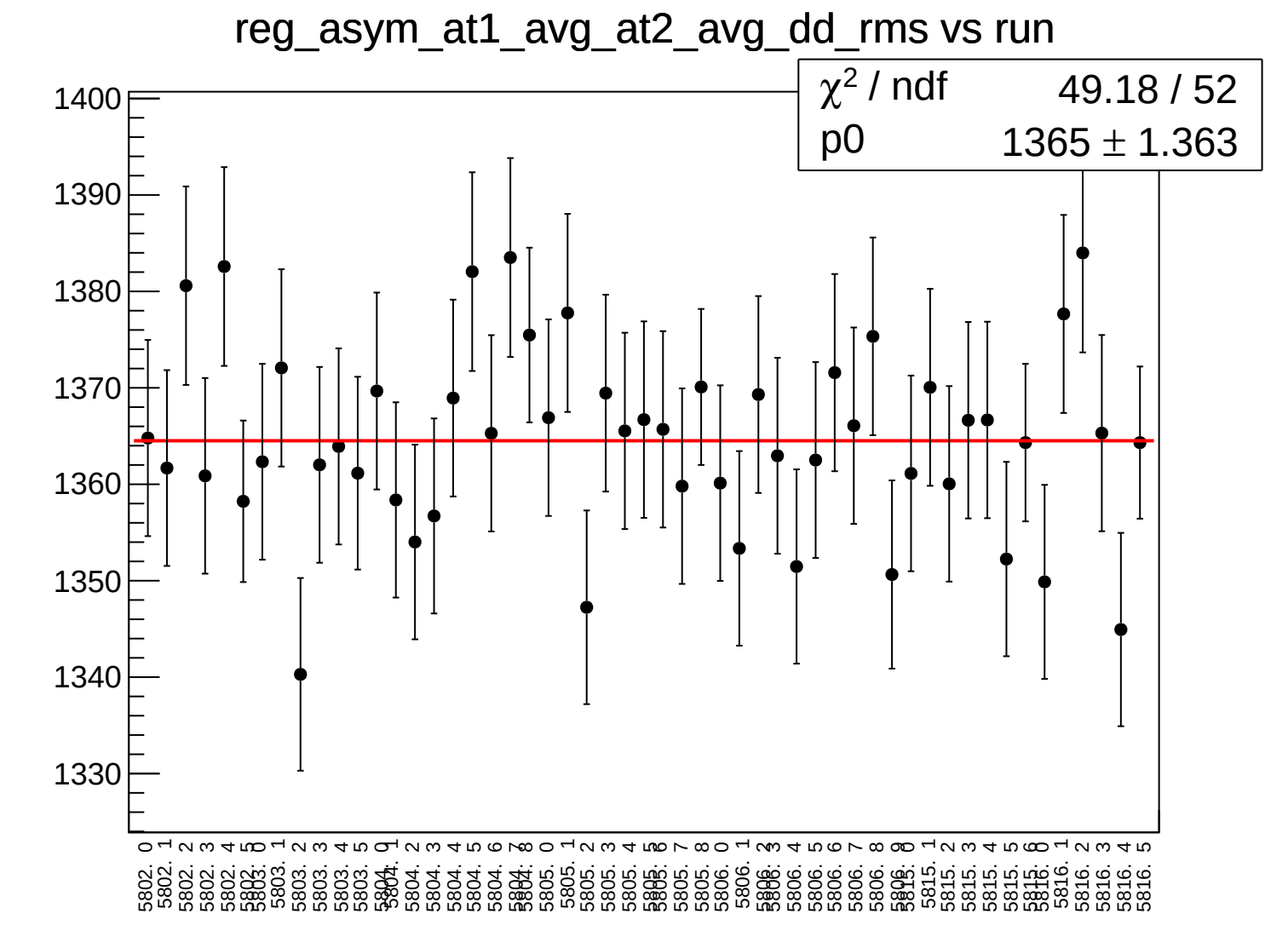

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.91 / 52
p0 −1.15e−14 ± 5.97e−14
pull
Entries 53
Mean −301.2
Std Dev 0

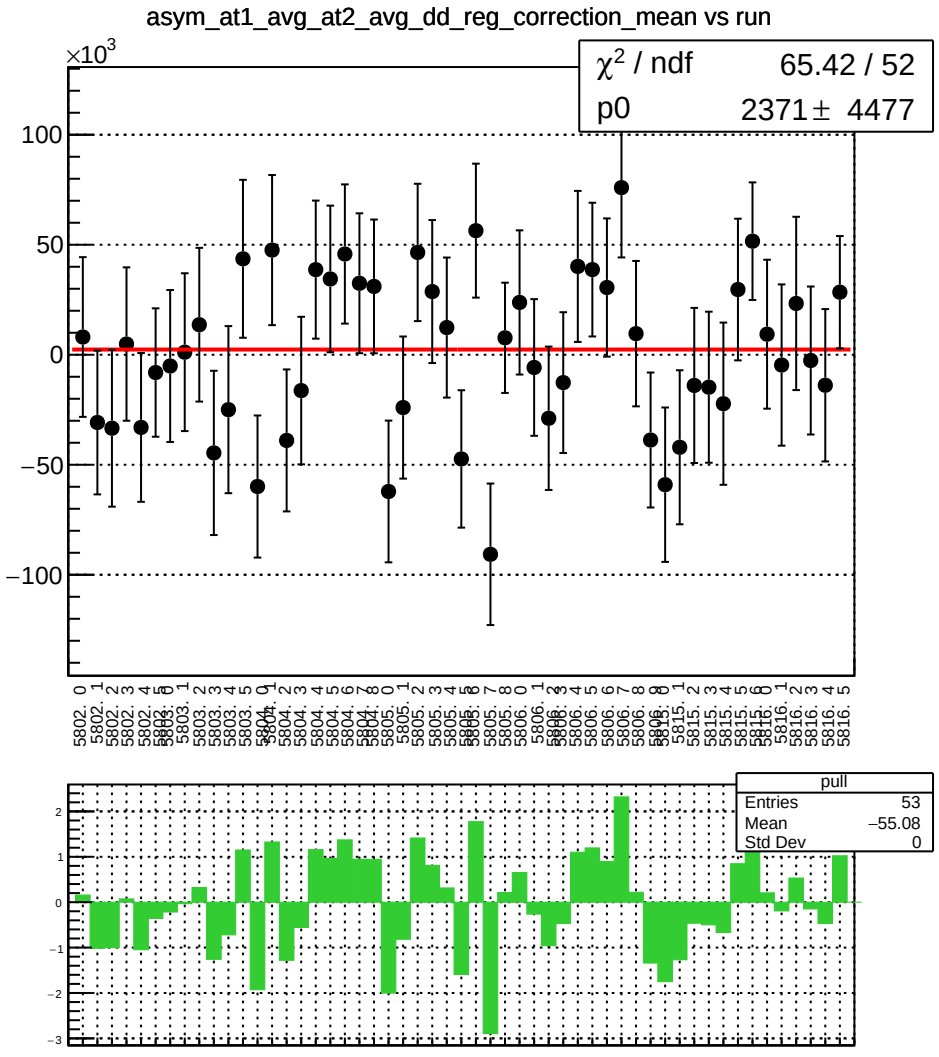

pull1D
Entries 53
Mean 0.01197
Std Dev 1.045

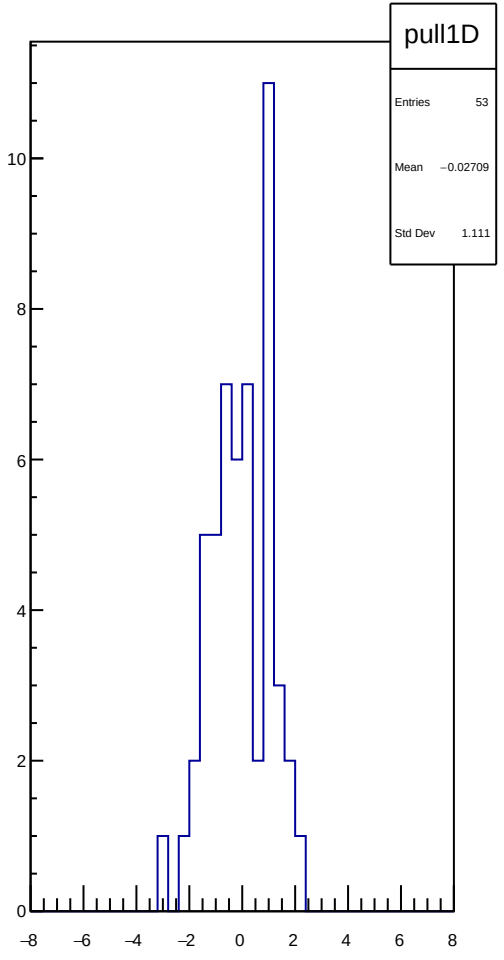

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.534e+05 / 52
p0 3.398e−11 ± 4.221e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

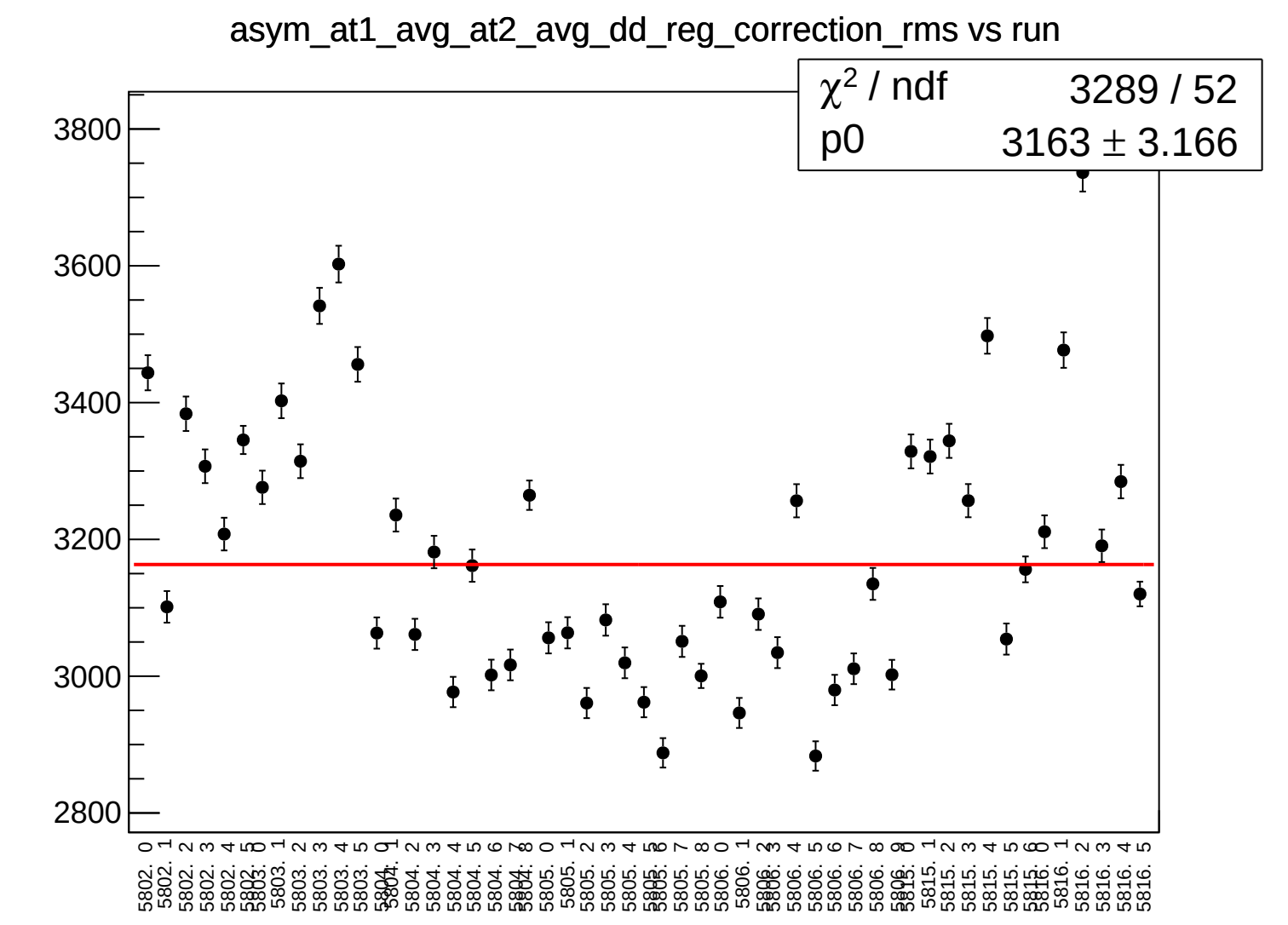

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ^2 / ndf 49.16 / 52
p0 −2515 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

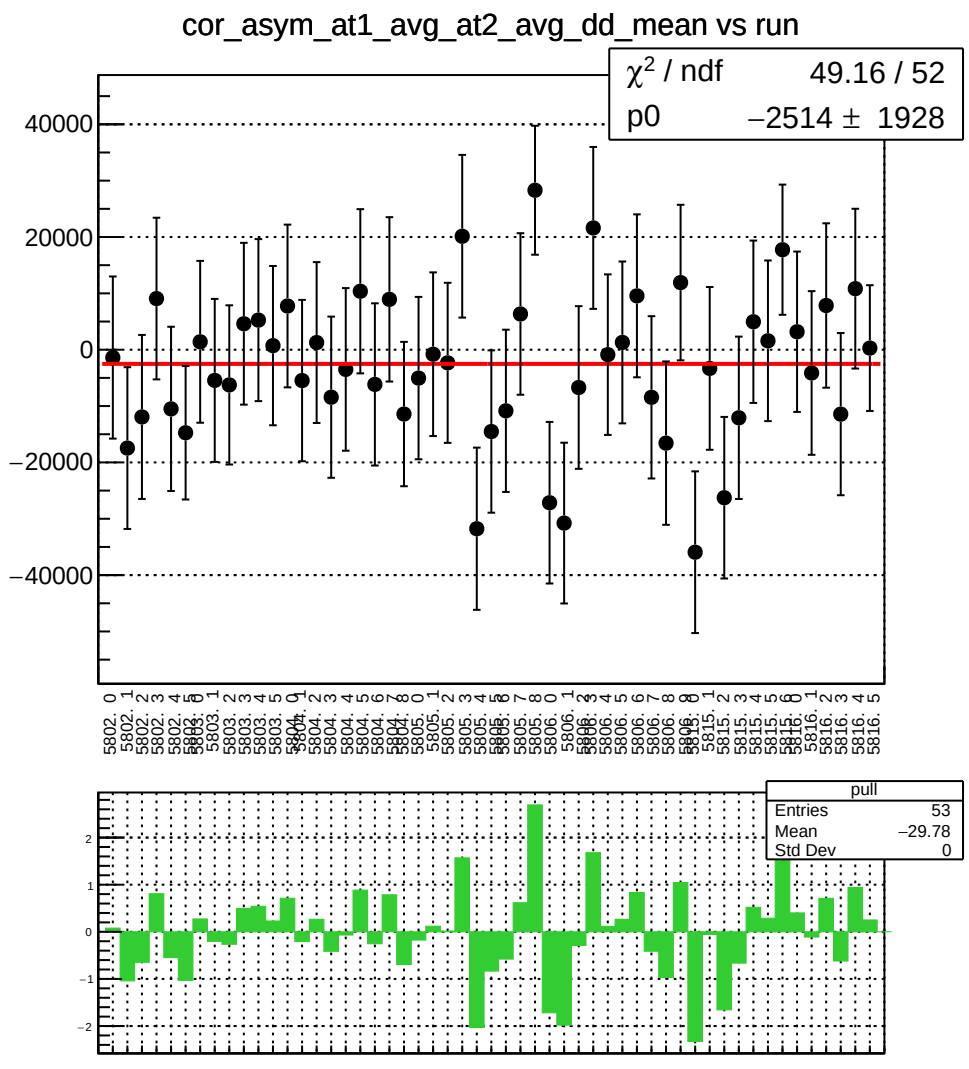

pull1D
Entries 53
Mean −0.01718
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

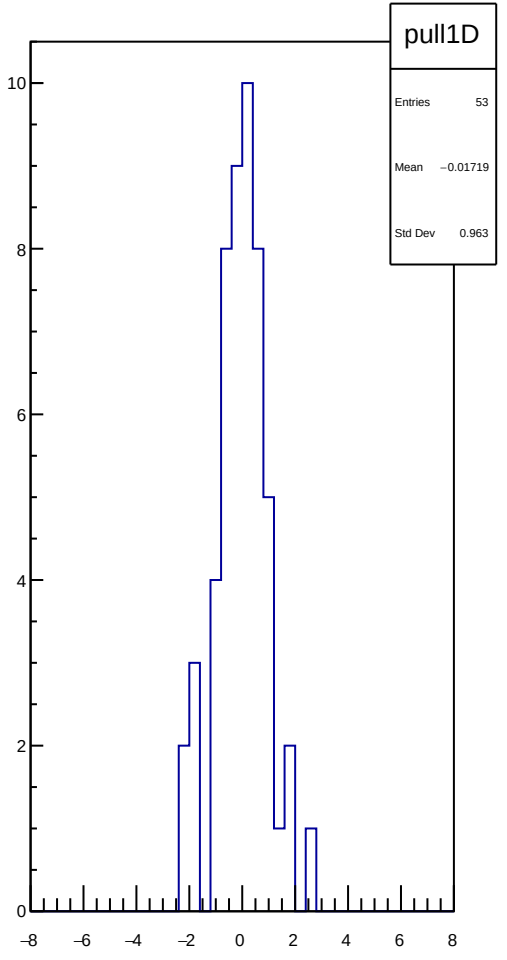

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

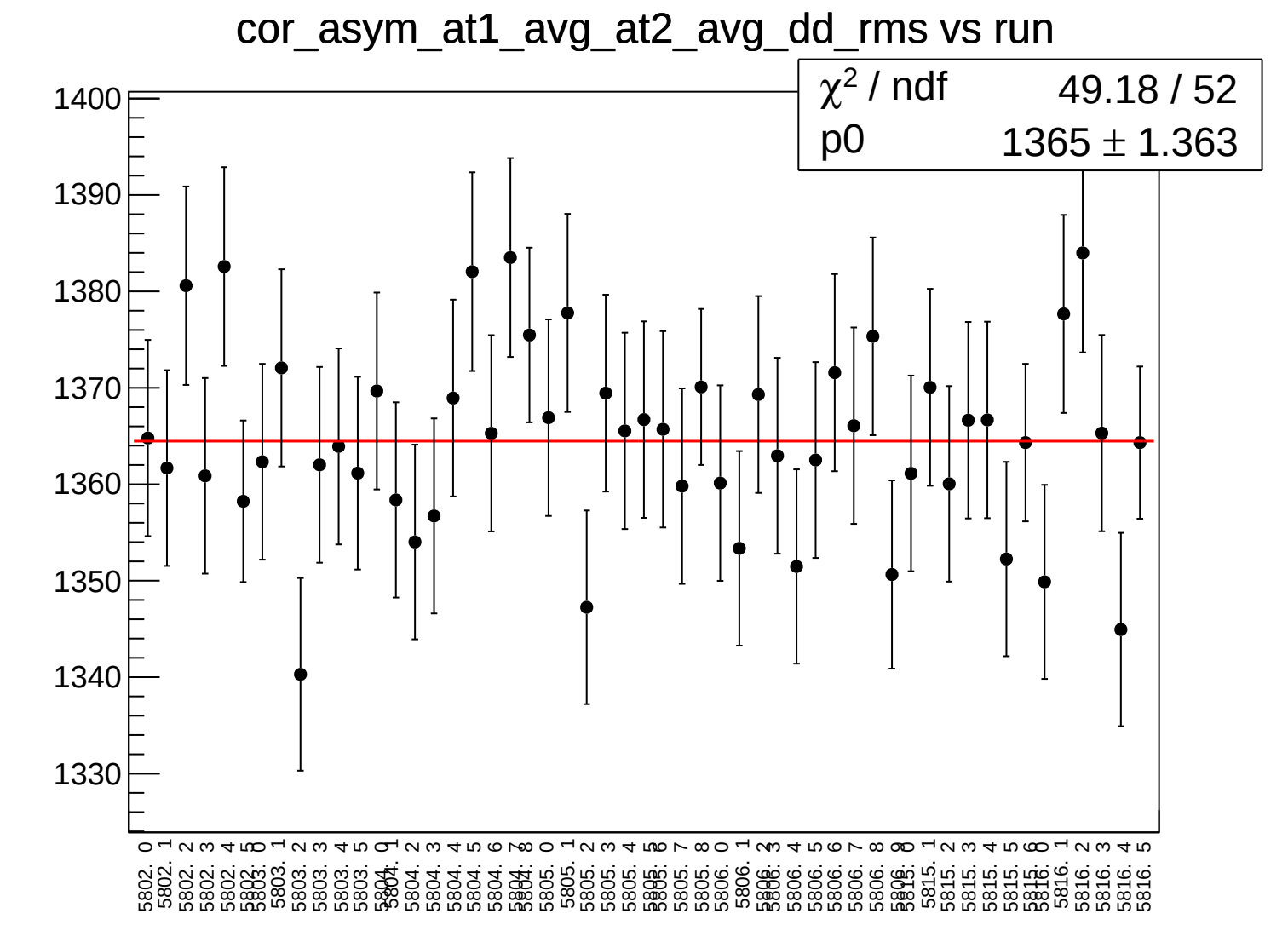

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.08
Std Dev 0
2
1
0
−1
−2
−3

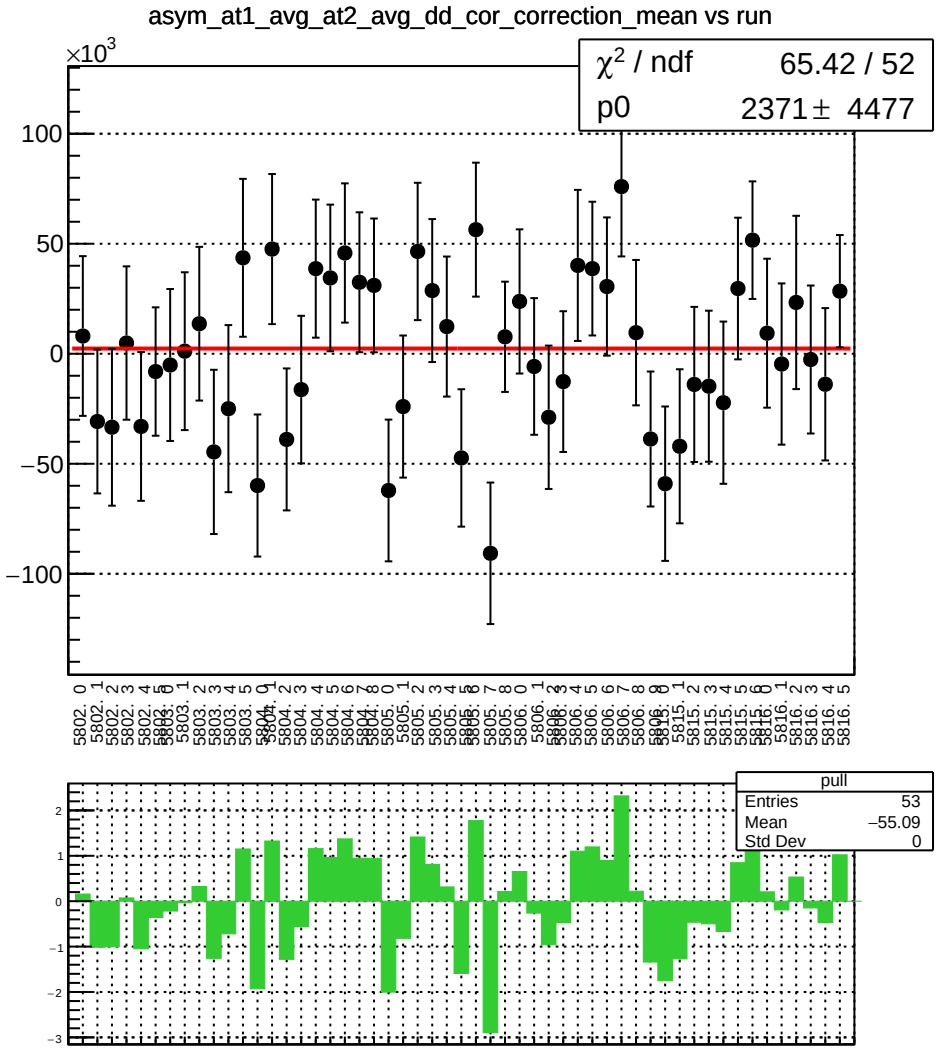

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

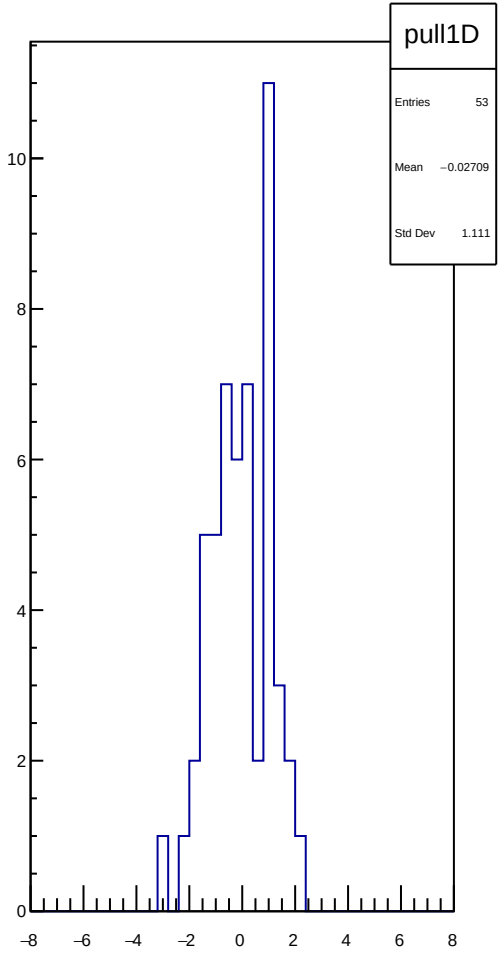

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

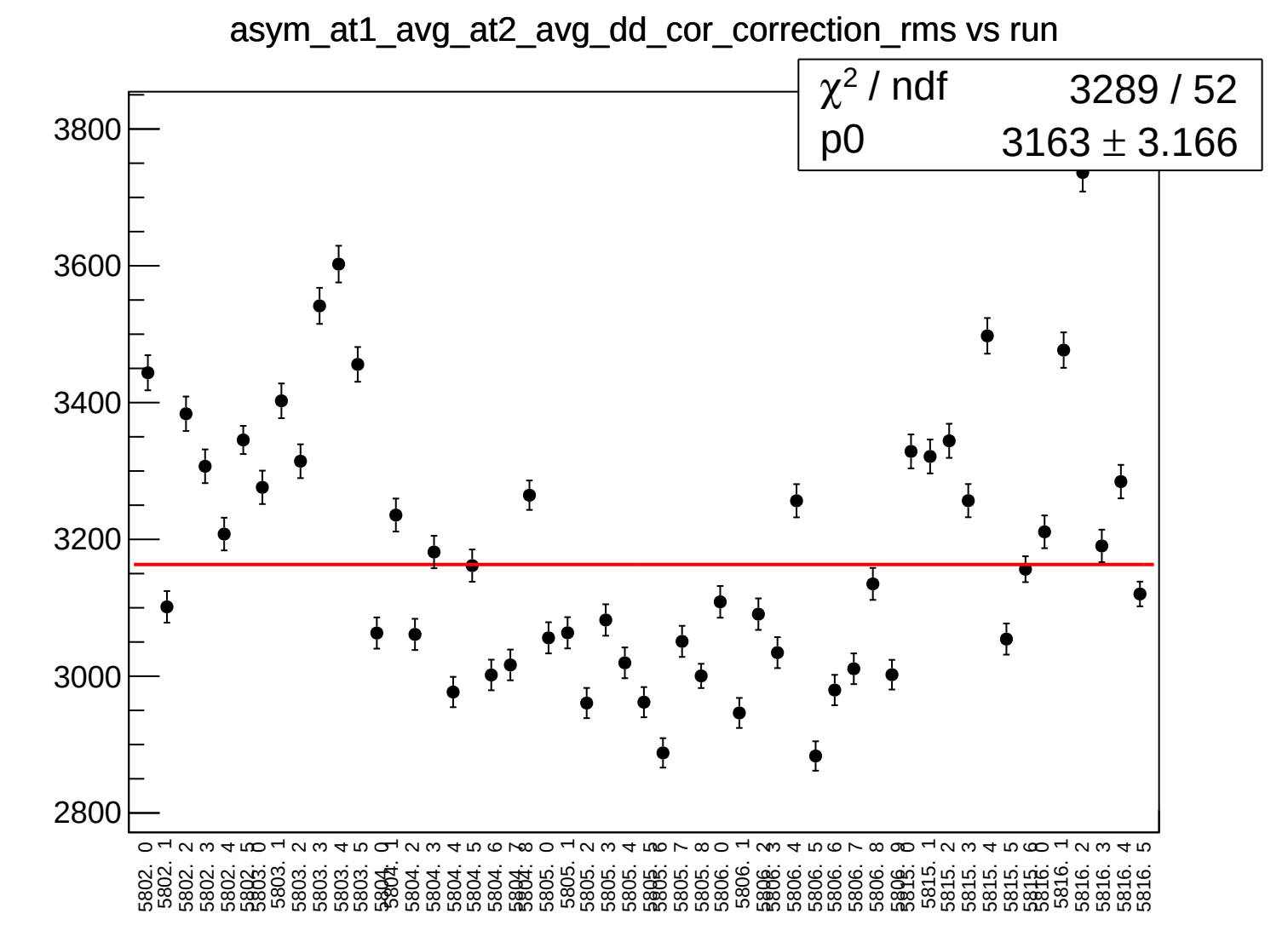

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

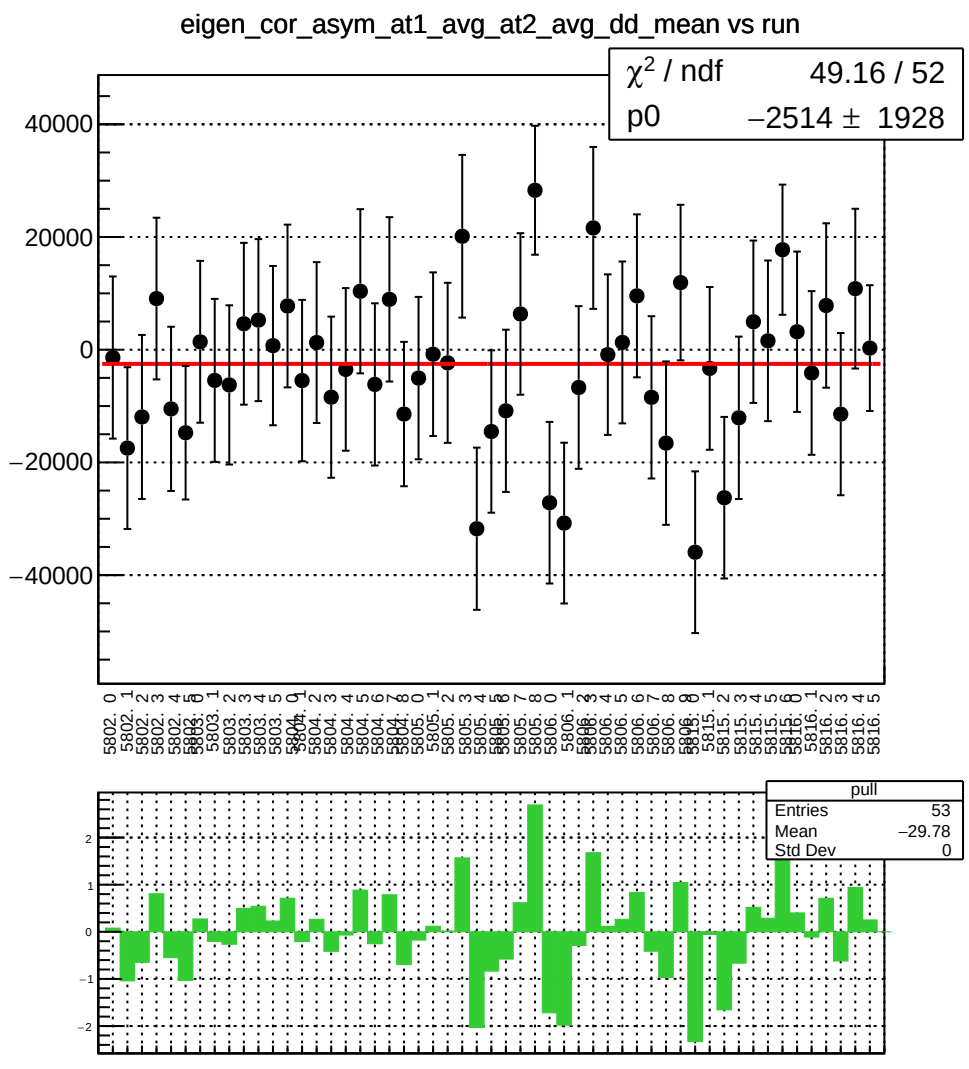

pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

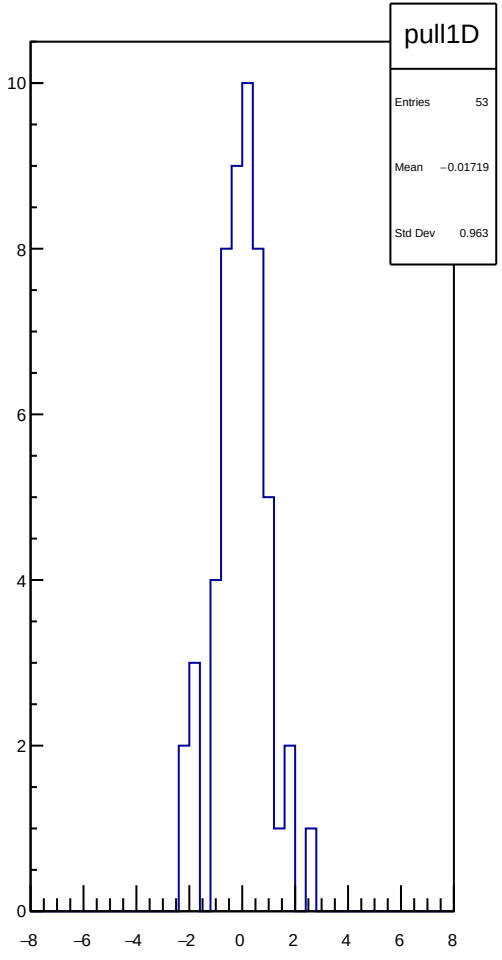

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

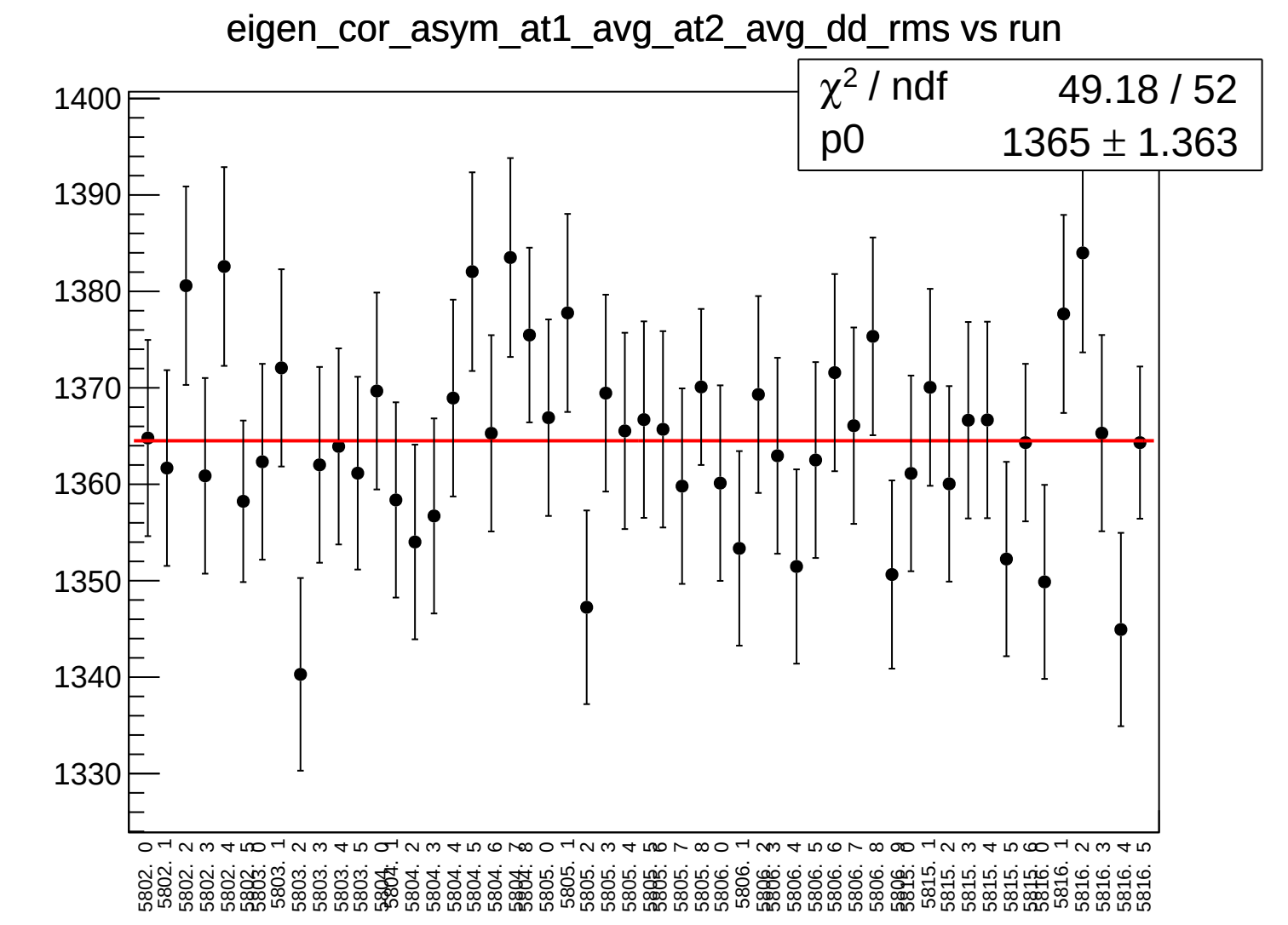

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3

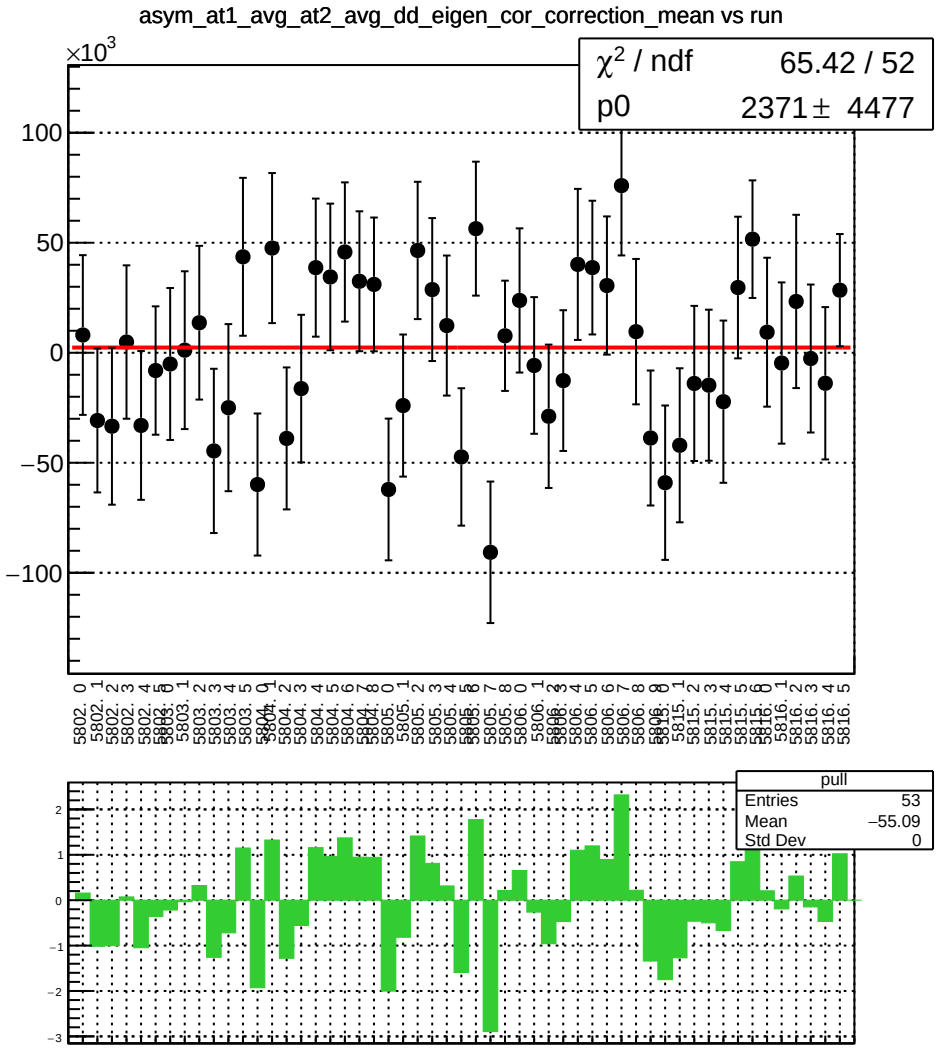

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

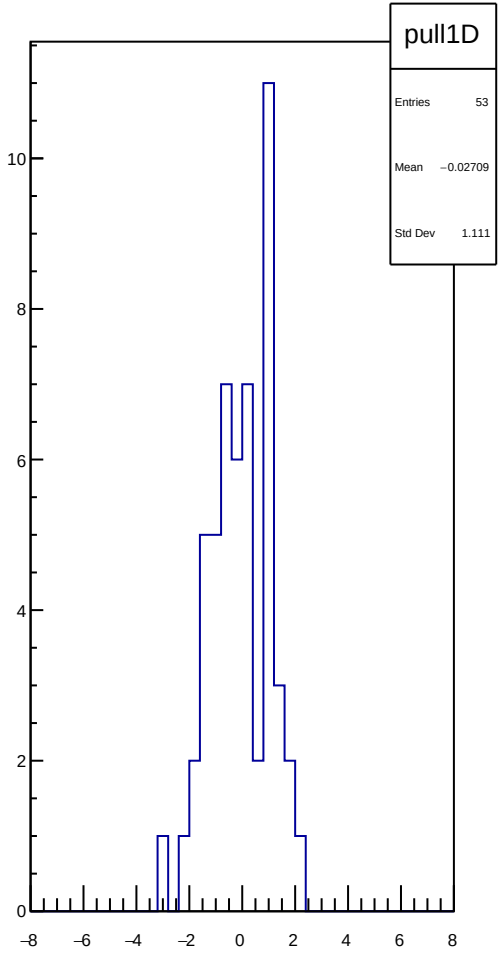

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

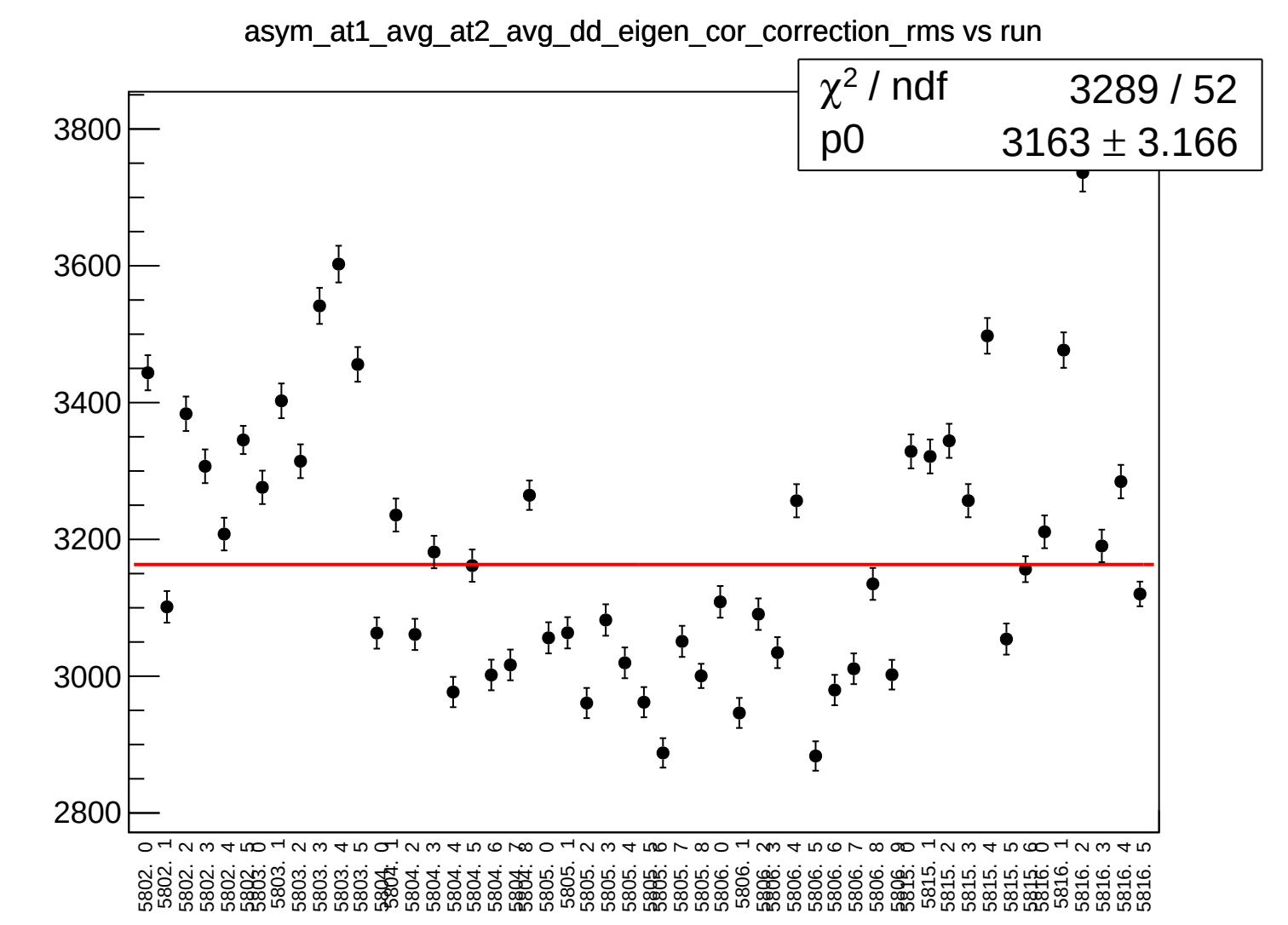

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

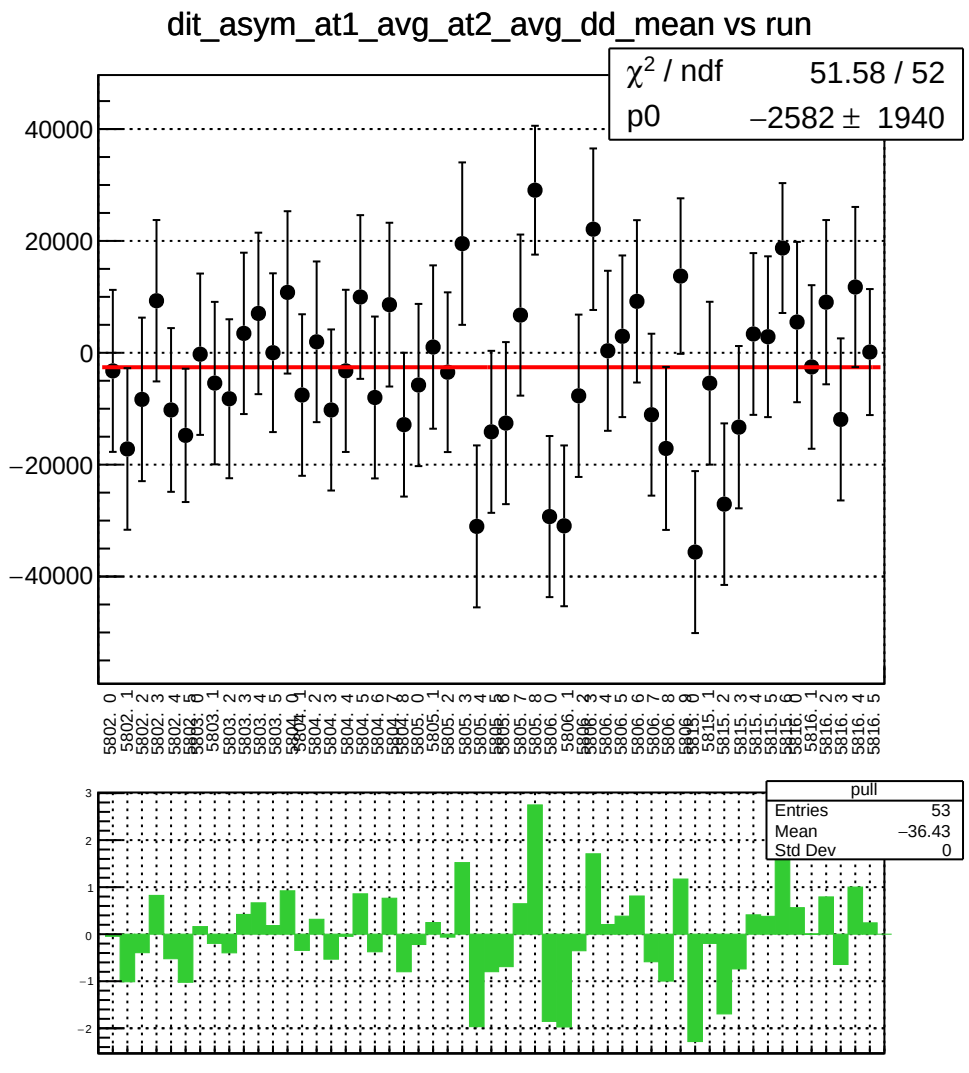

pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

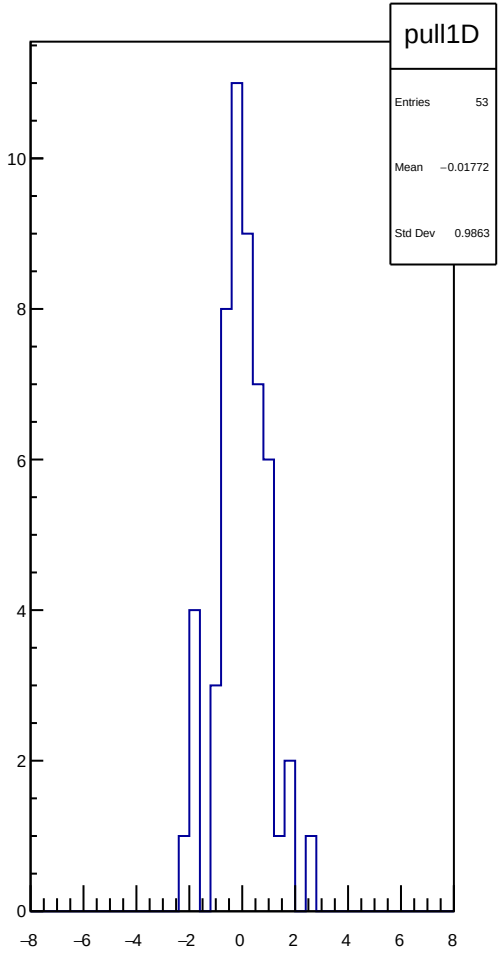

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

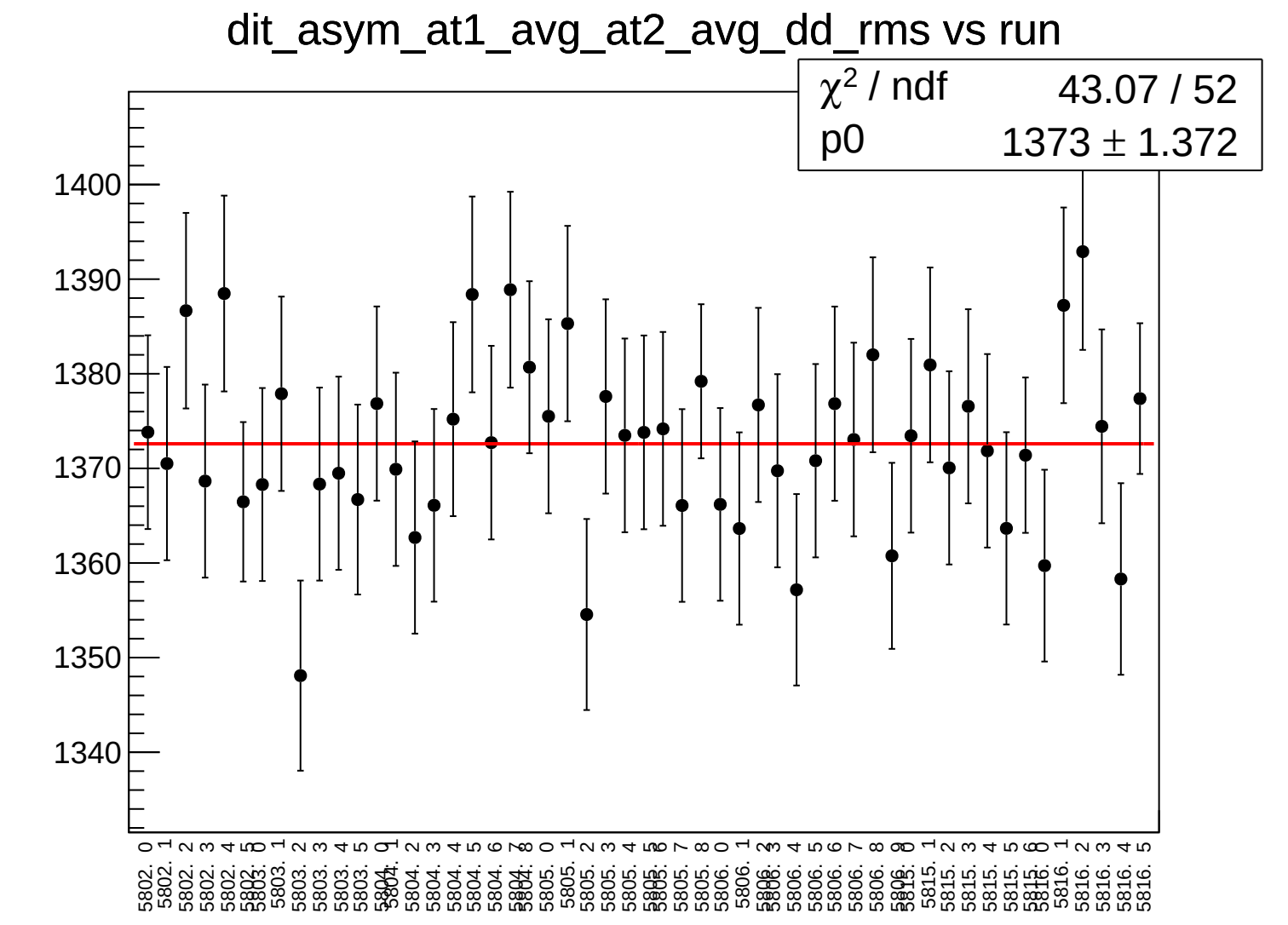

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.42 / 52
p0 2371 ± 4477
×10³
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3

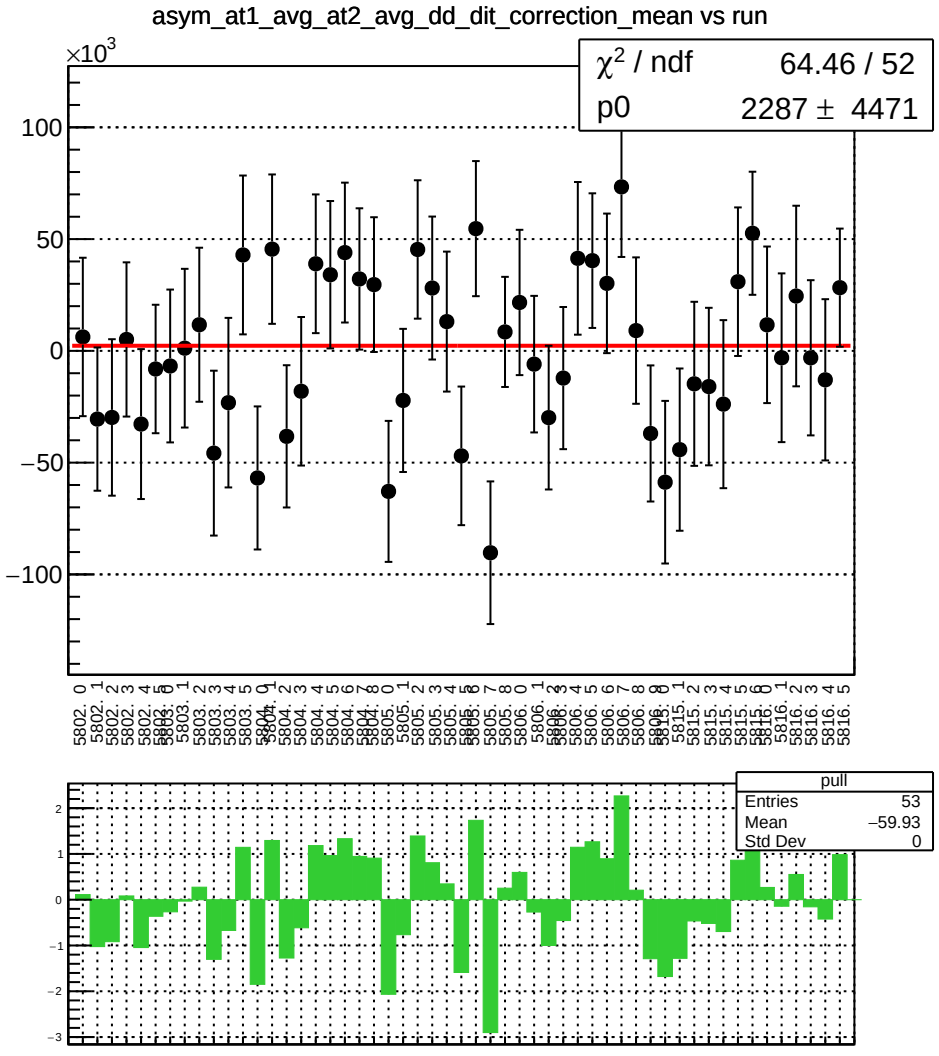

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

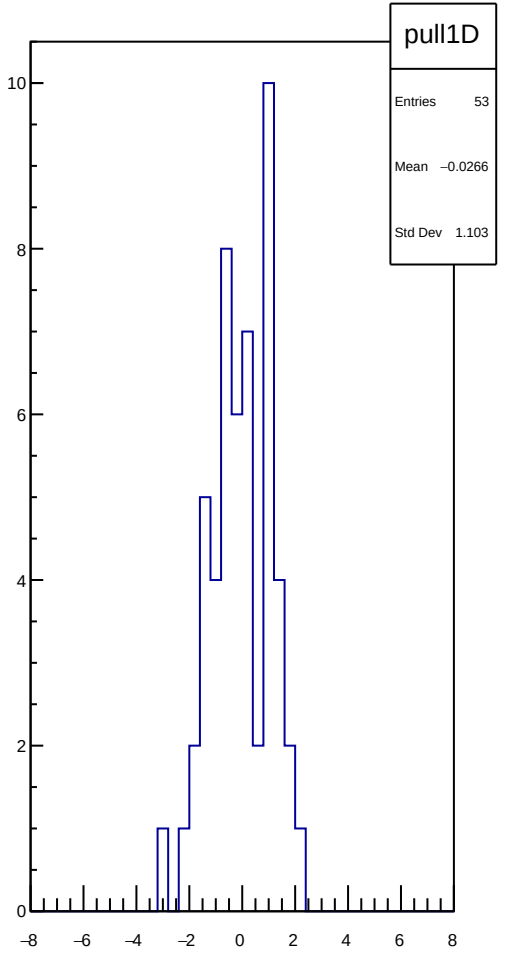

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

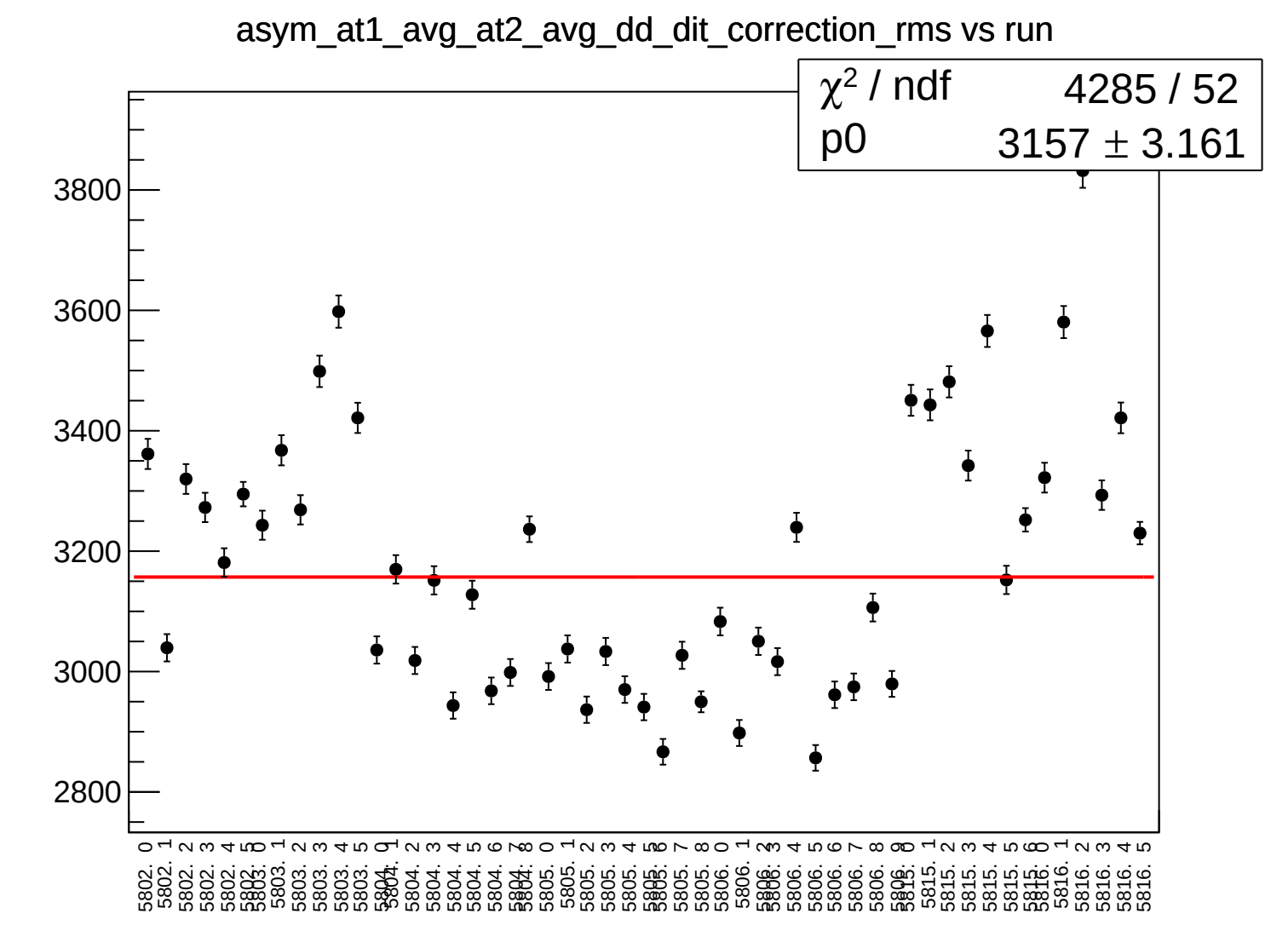

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0

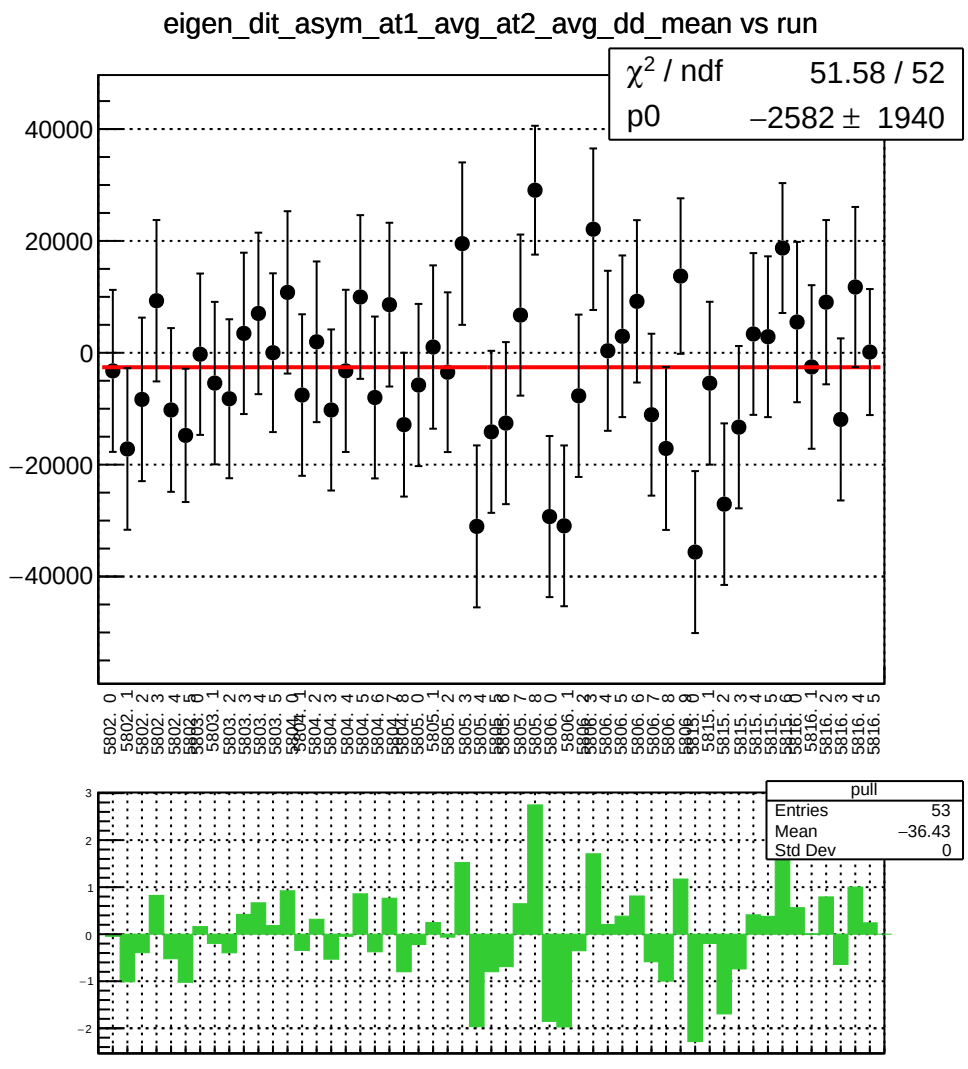

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

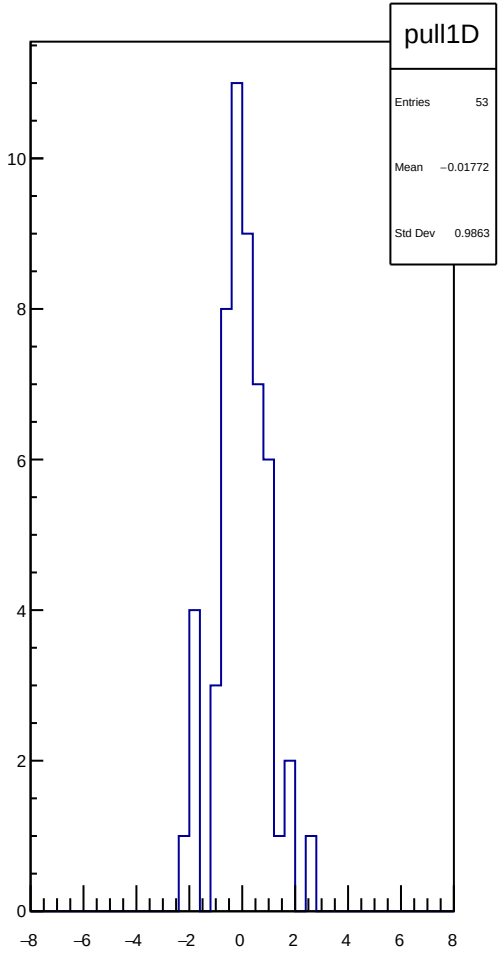

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

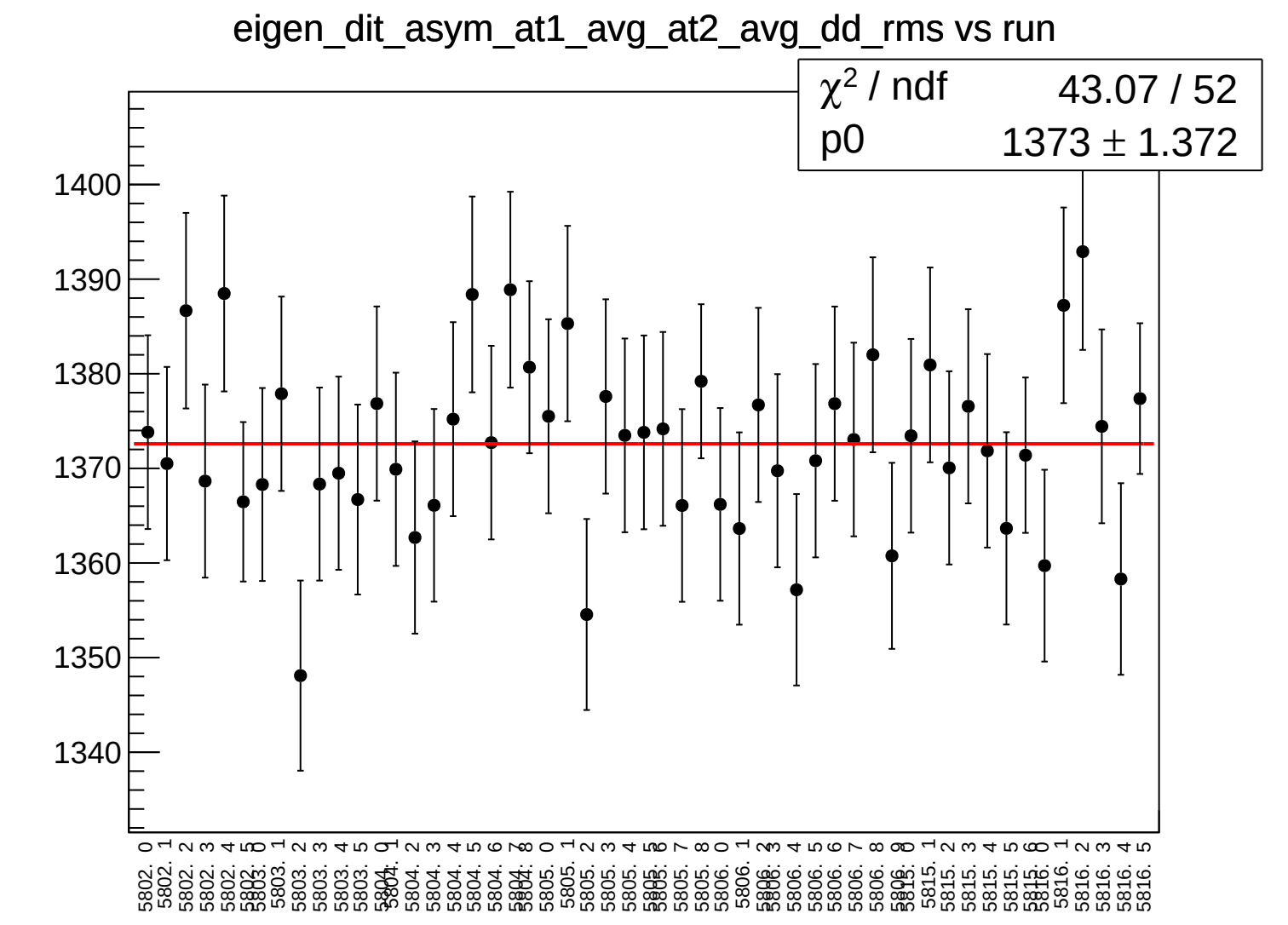

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

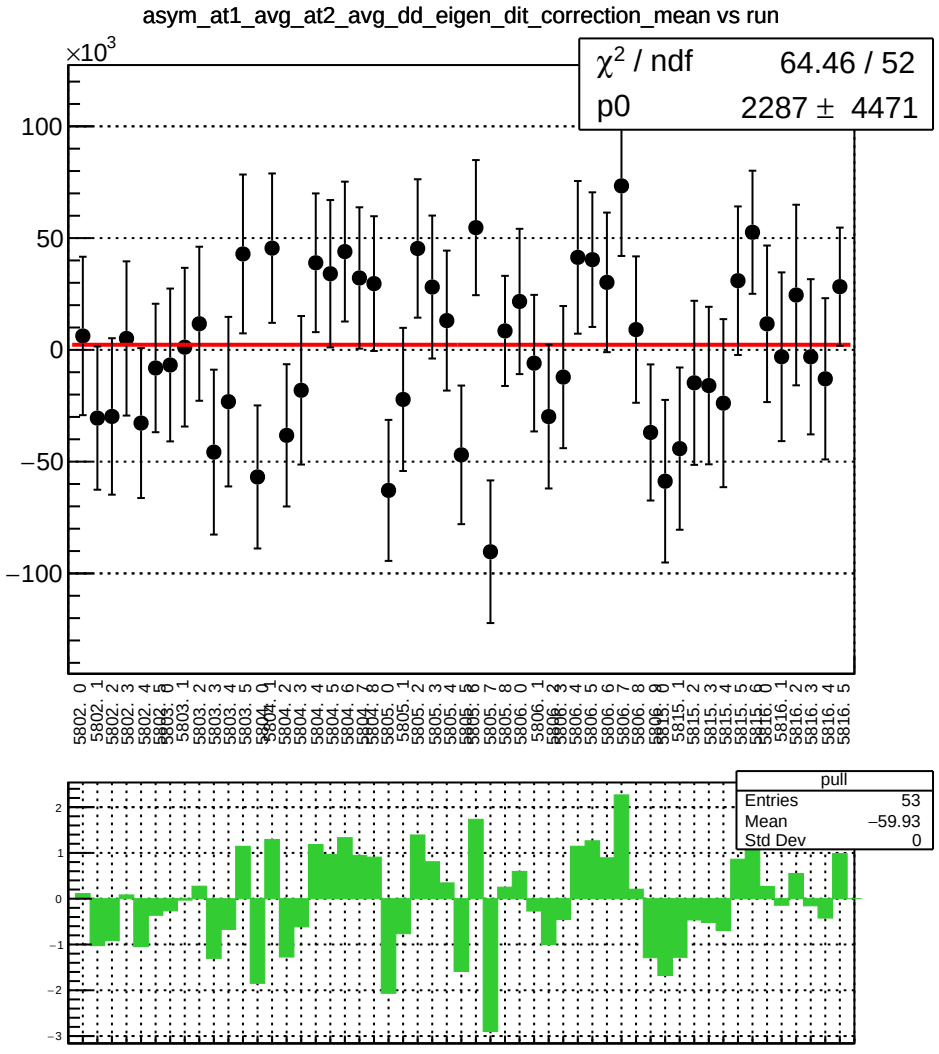

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

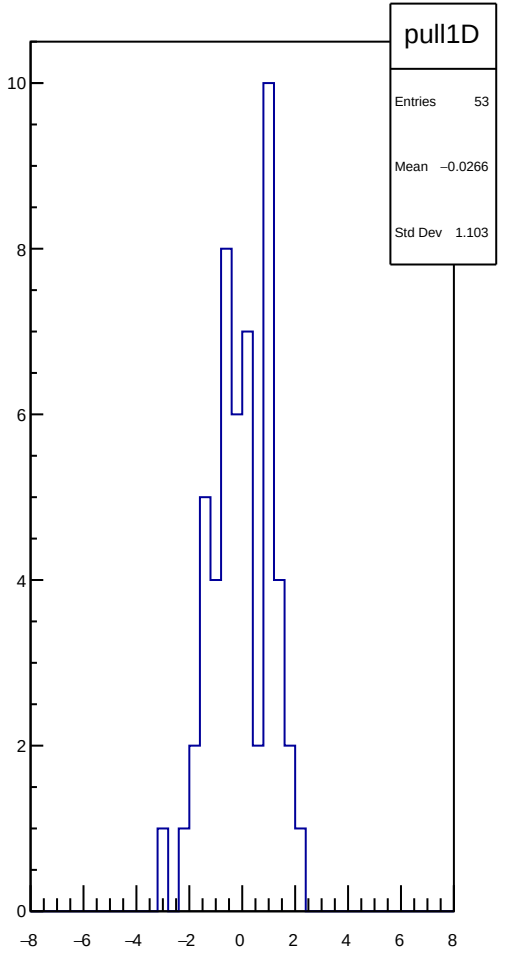

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

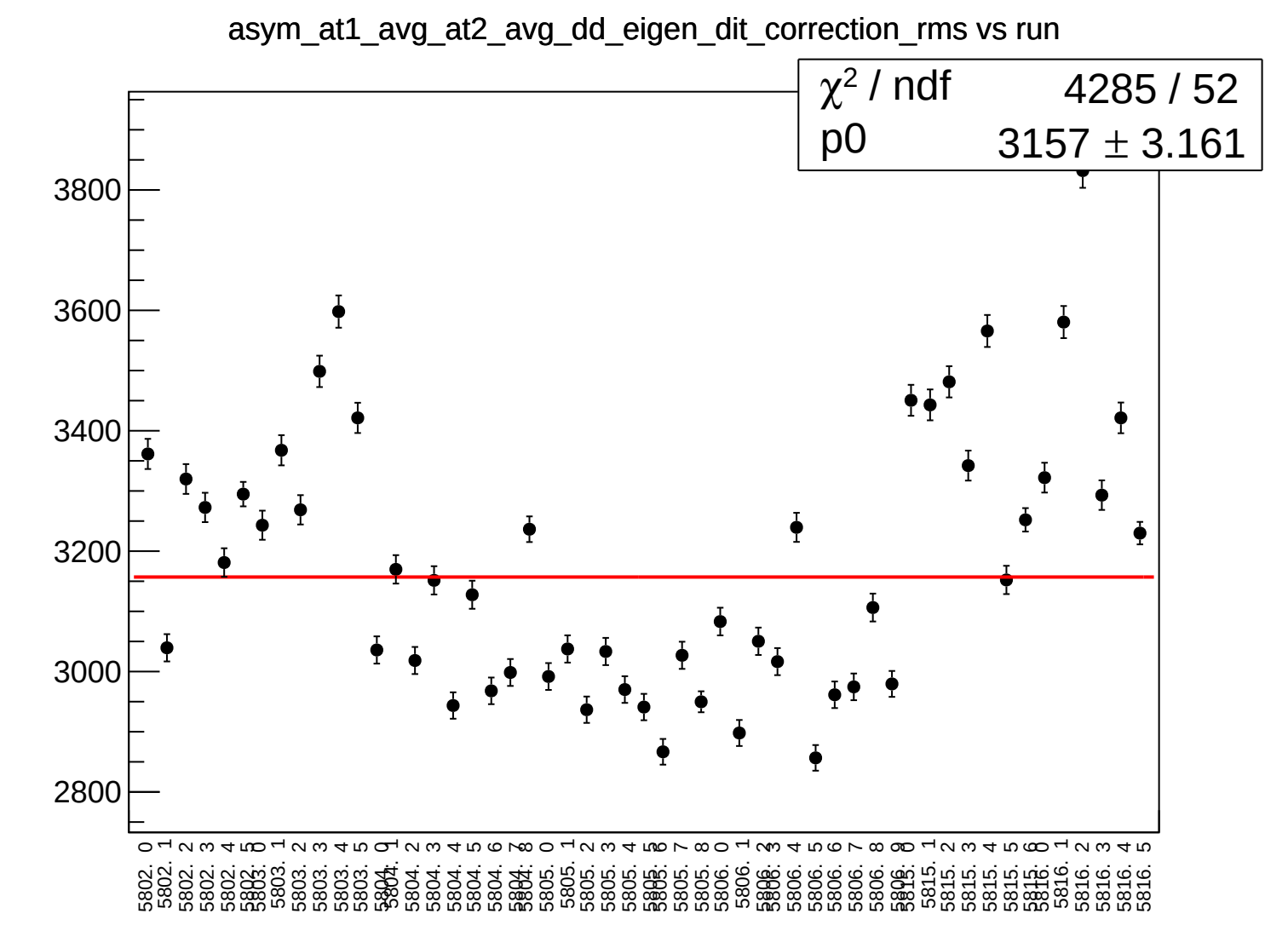

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0
3
2
1
0
−1
−2

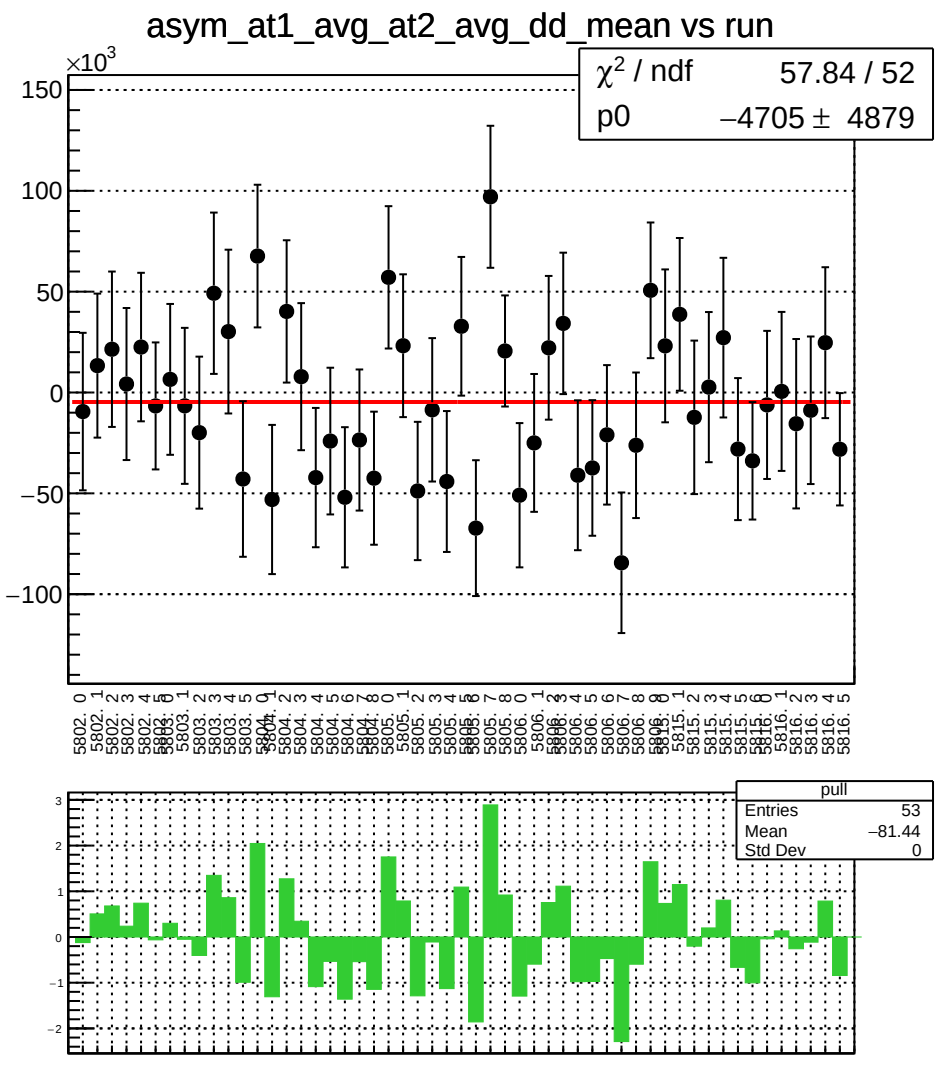

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

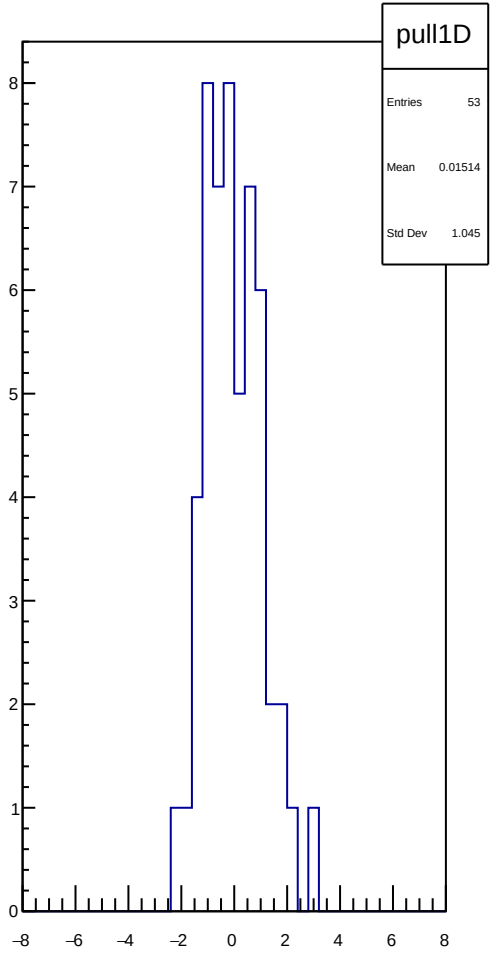

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

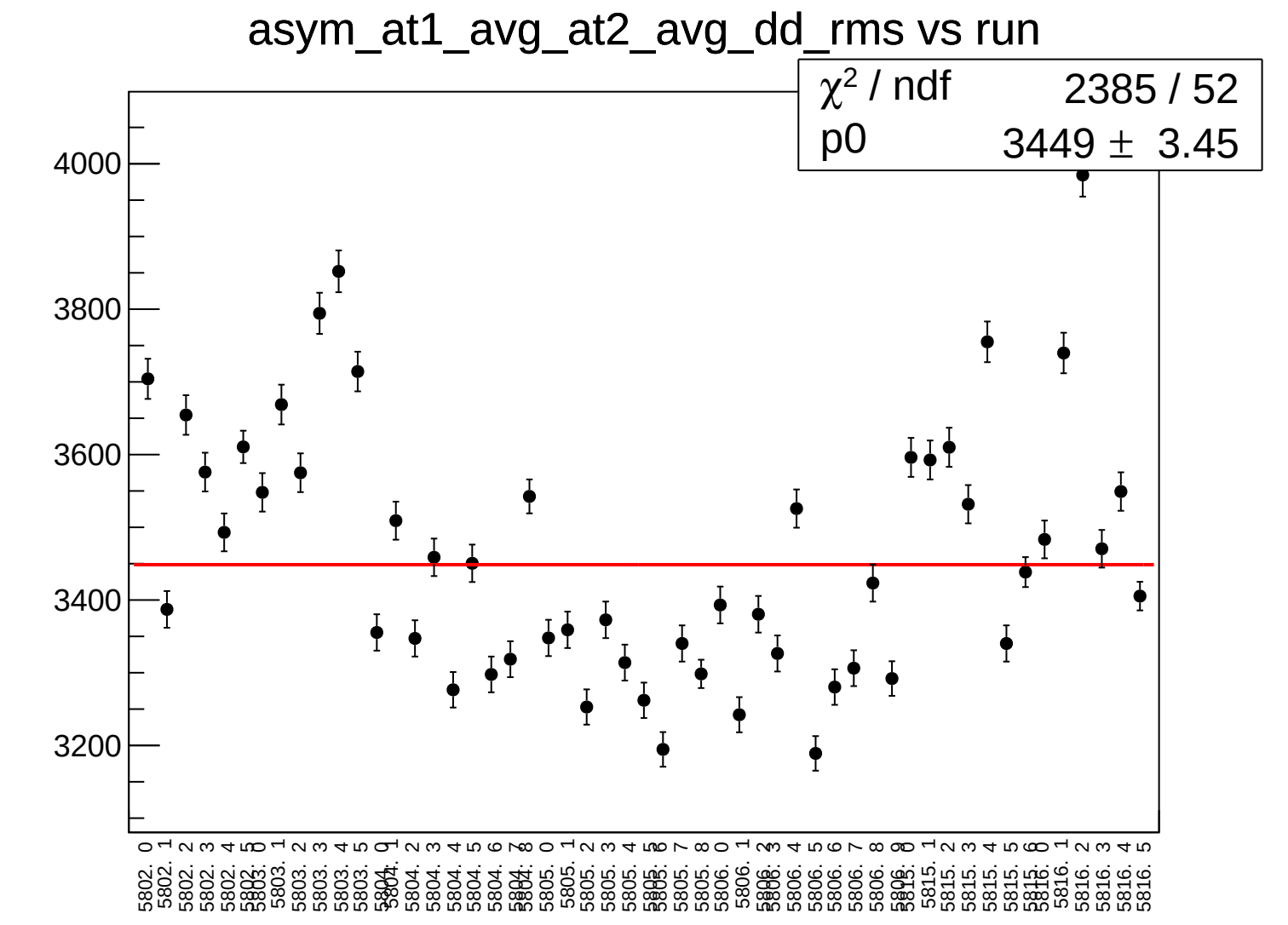

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

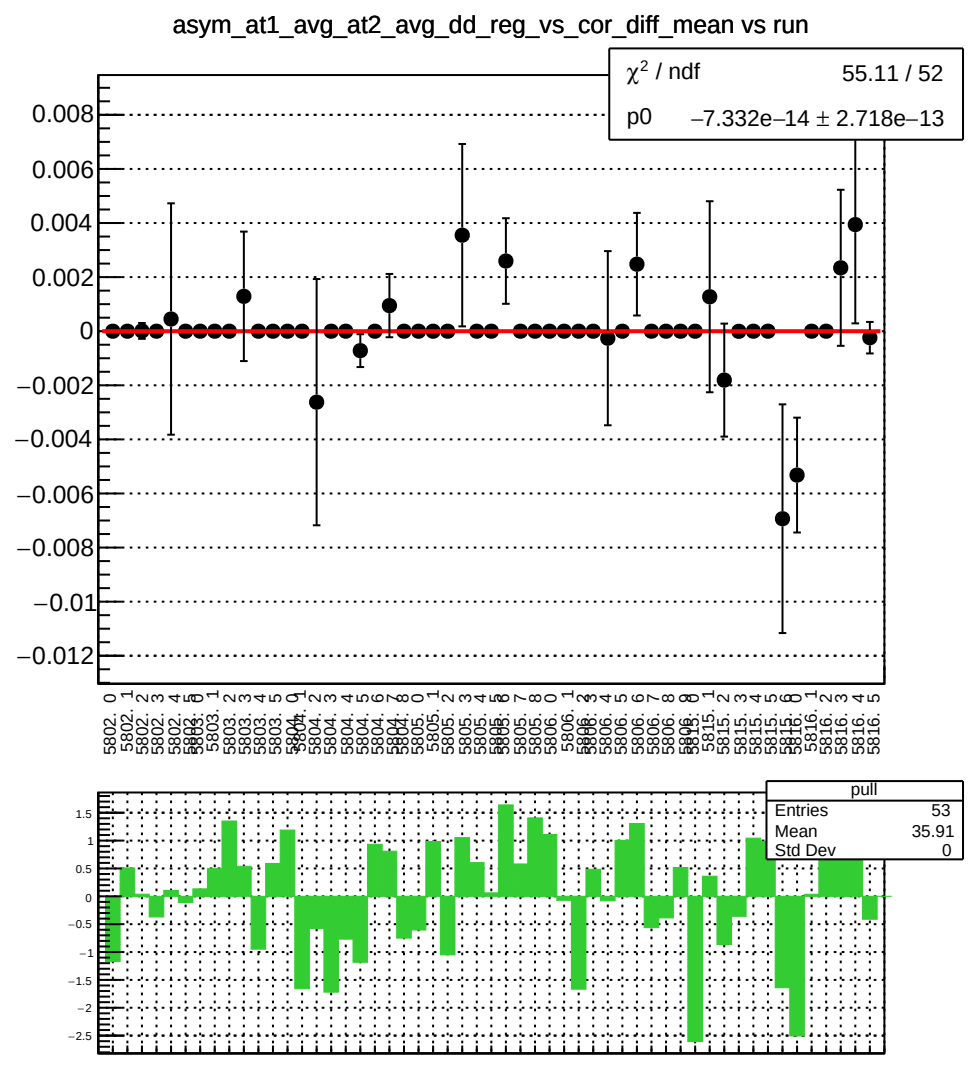

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

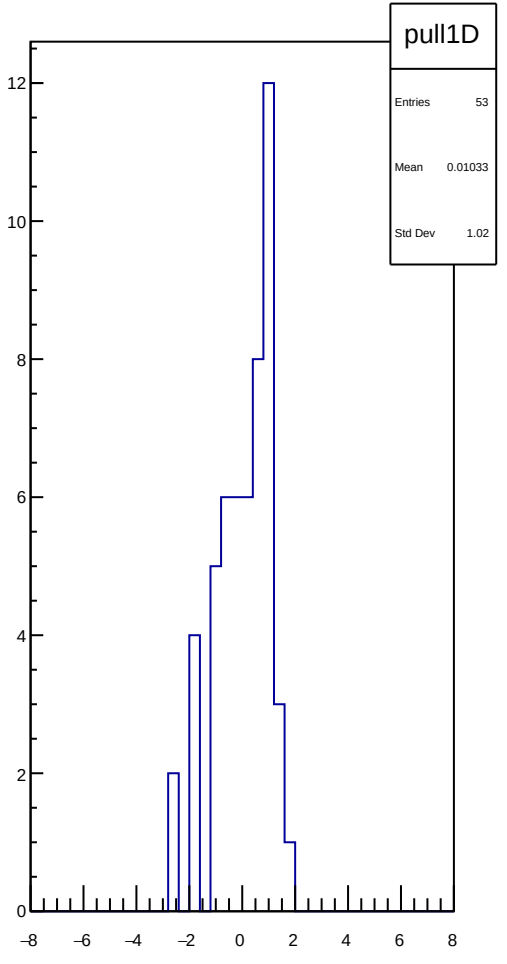

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

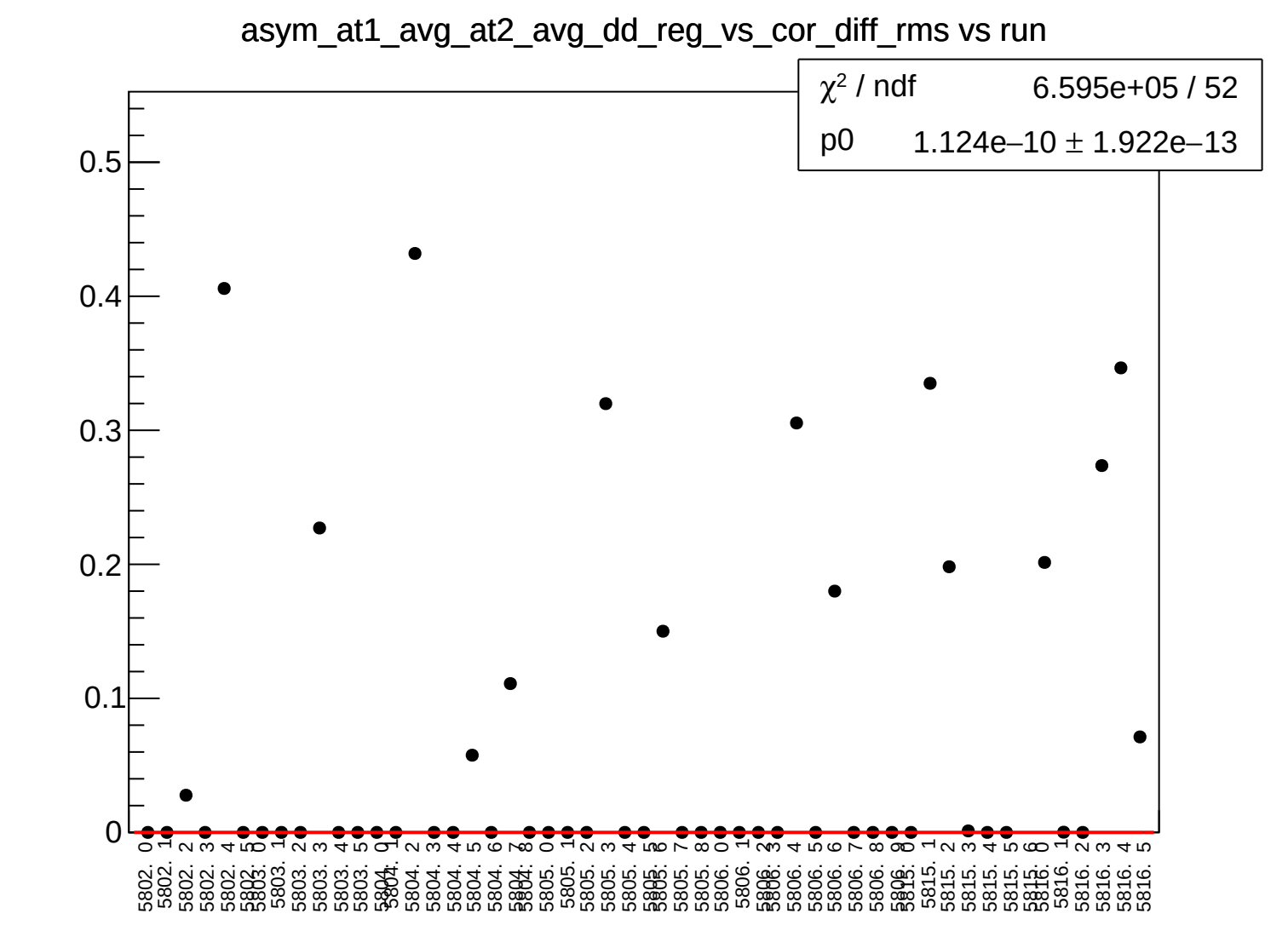

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 57.84 / 52
p0 −4705 ± 4879
150
100
50
0
−50
−100
pull
Entries 53
Mean −81.44
Std Dev 0
3
2
1
0
−1
−2

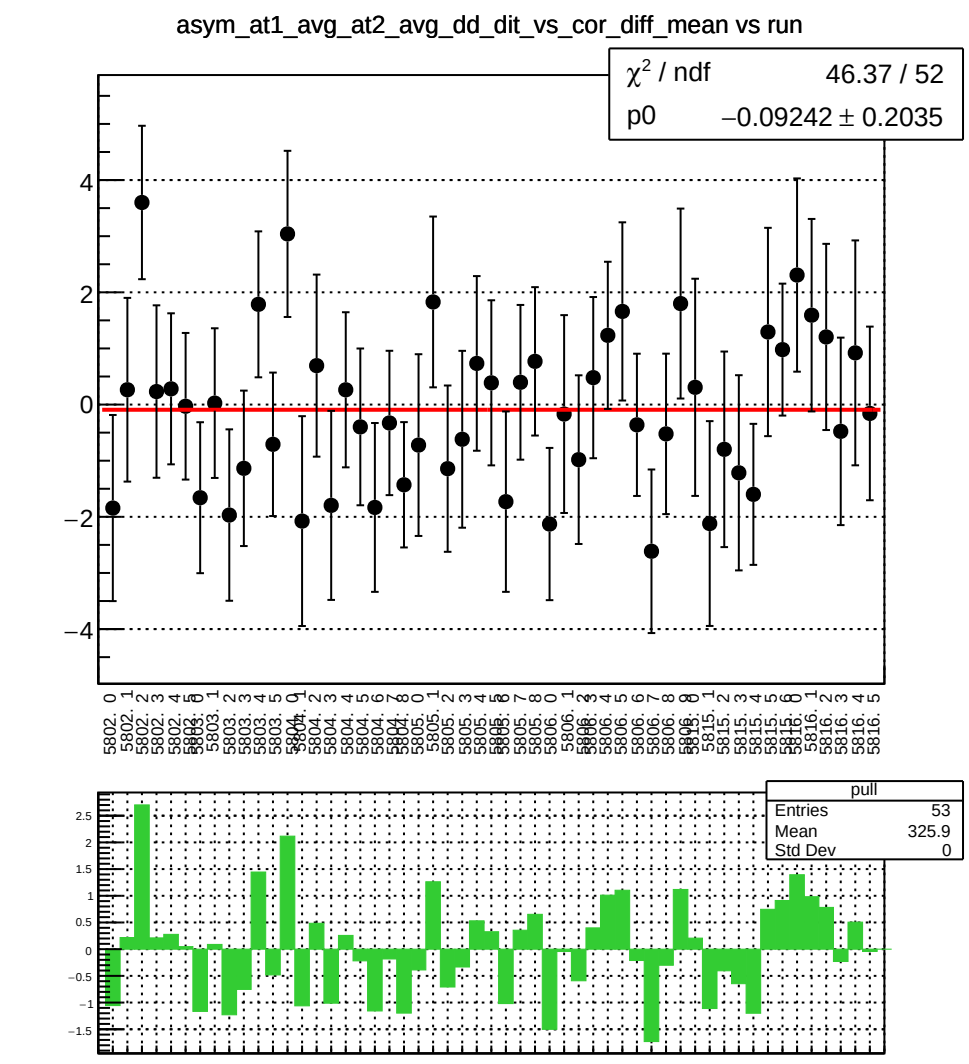

pull1D
Entries 53
Mean 0.01514
Std Dev 1.045
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

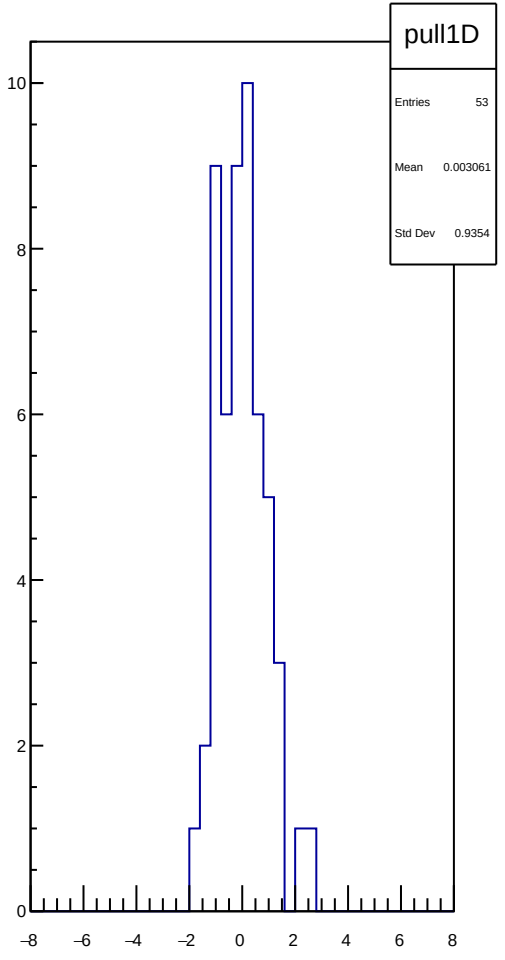

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2385 / 52
p0 3449 ± 3.45
4000
3800
3600
3400
3200

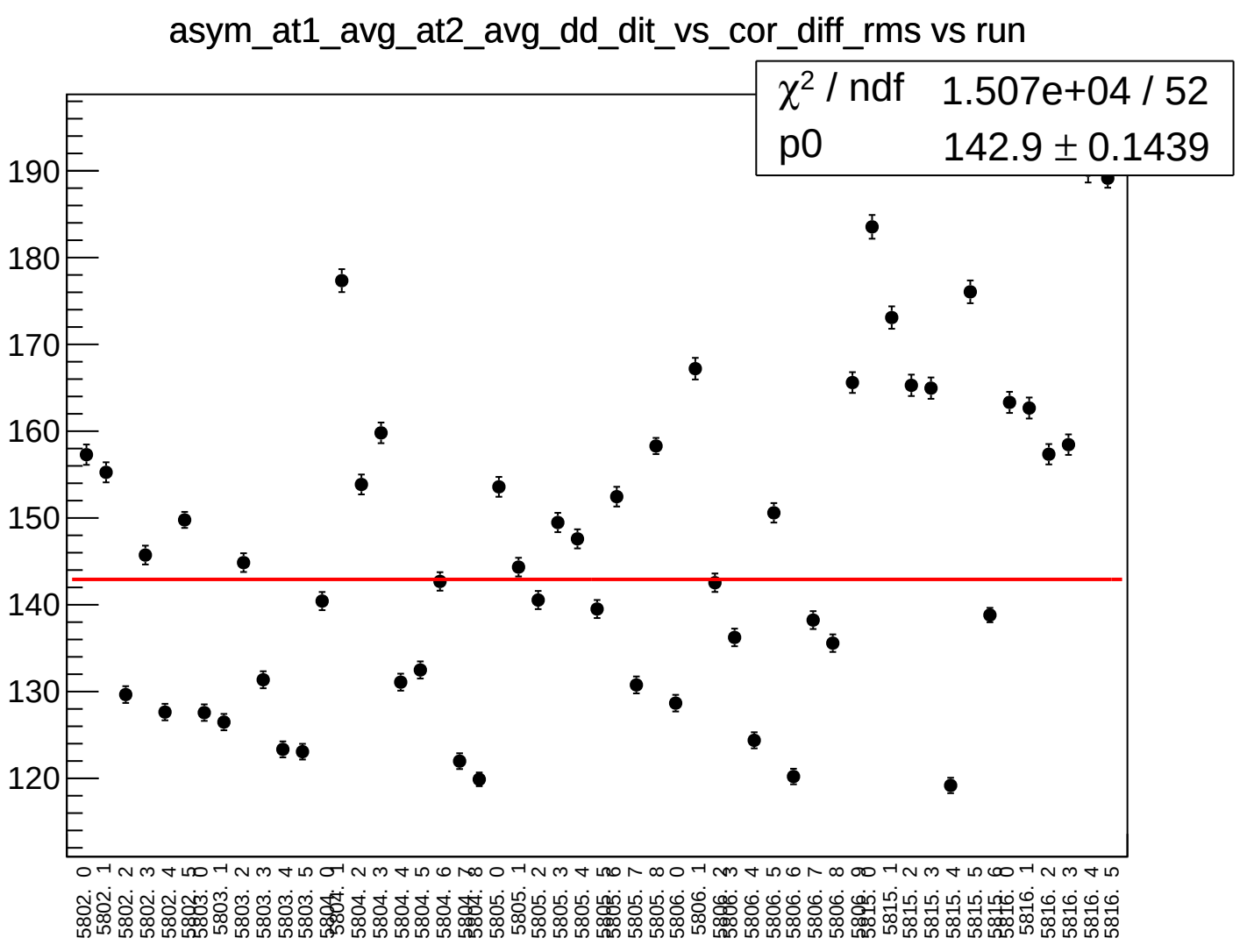

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.11 / 52
p0 −7.332e−14 ± 2.718e−13
pull
Entries 53
Mean 35.91
Std Dev 0

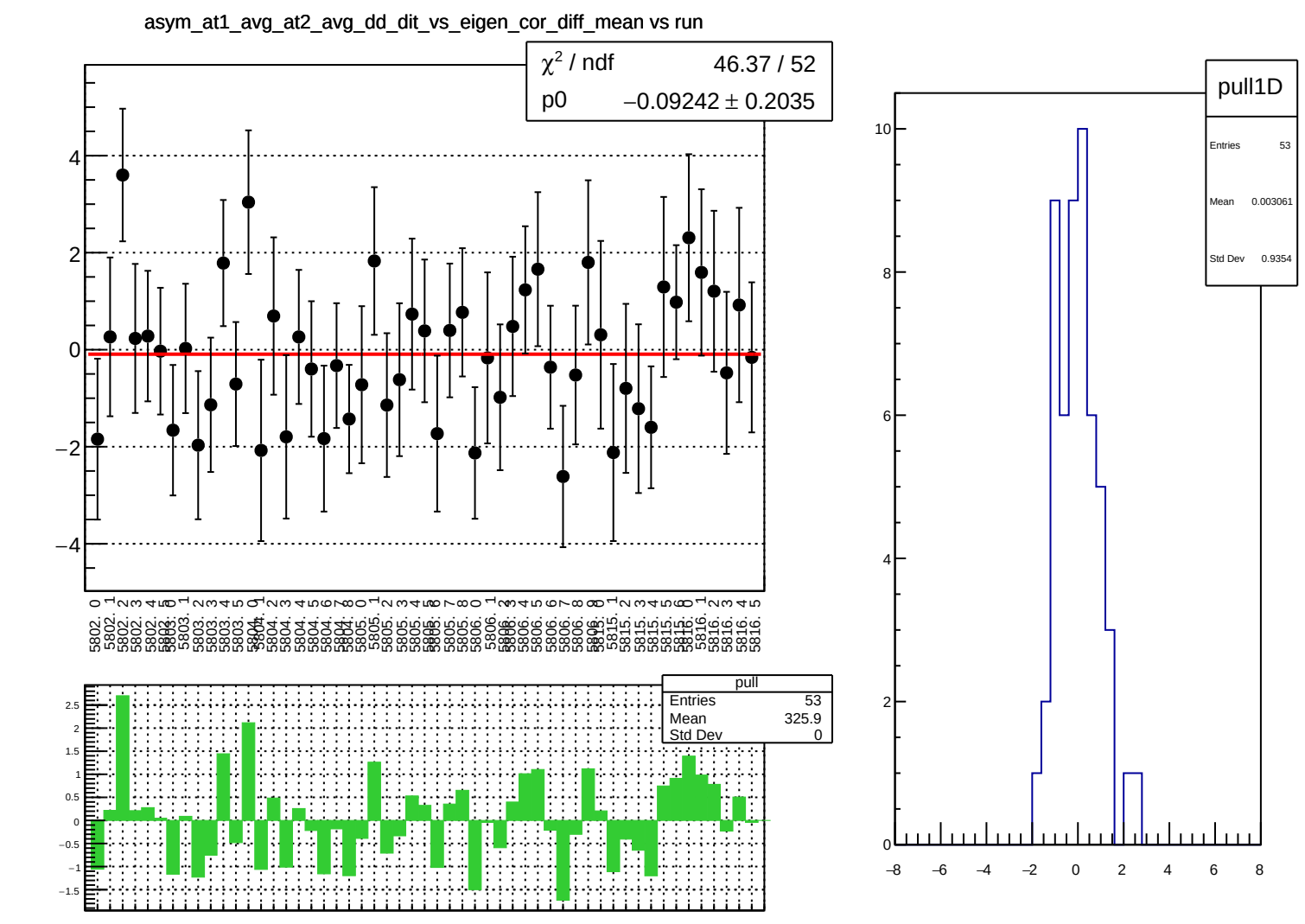

pull1D
Entries 53
Mean 0.01033
Std Dev 1.02

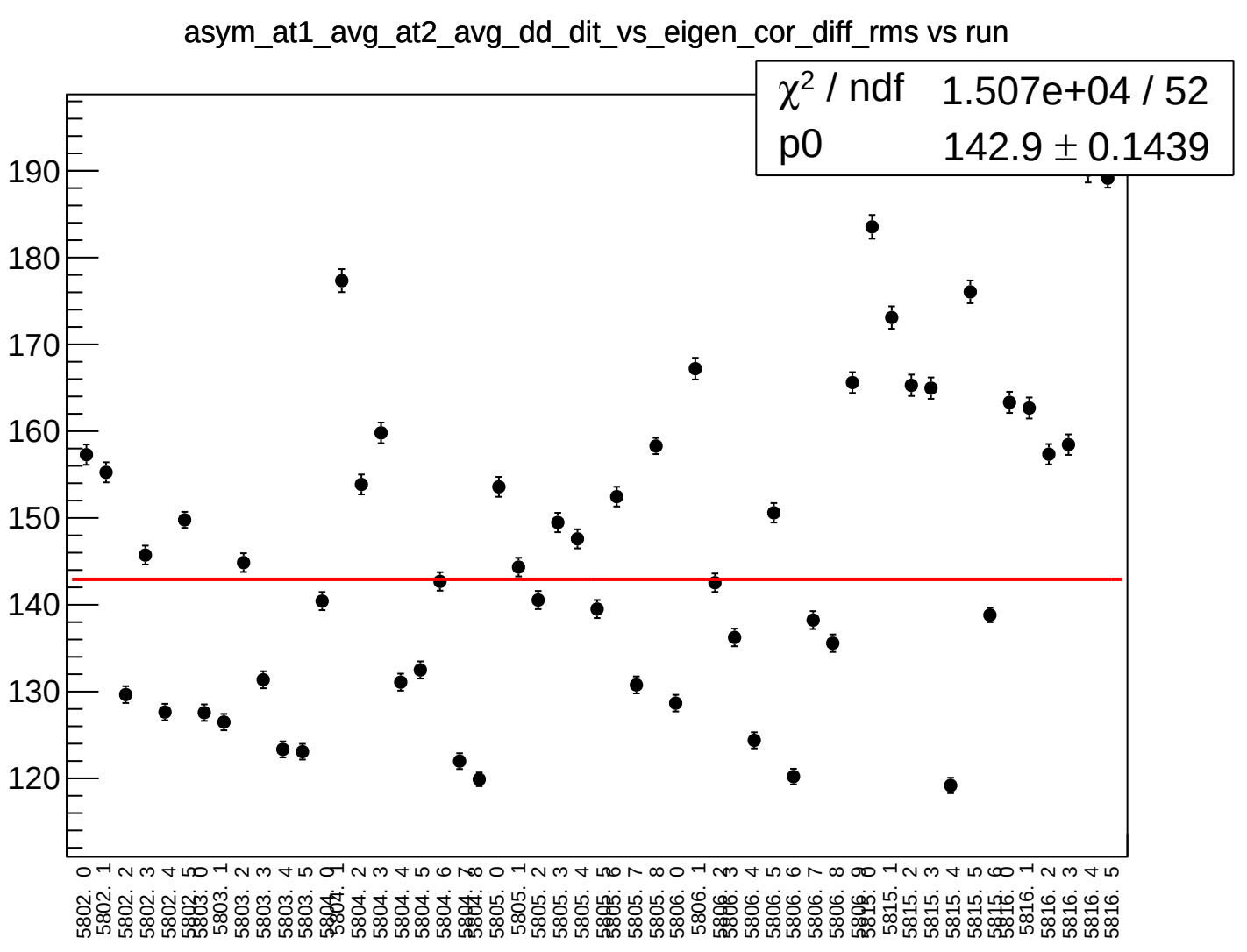

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 52
p0 1.124e−10 ± 1.922e−13
0.5
0.4
0.3
0.2
0.1
0

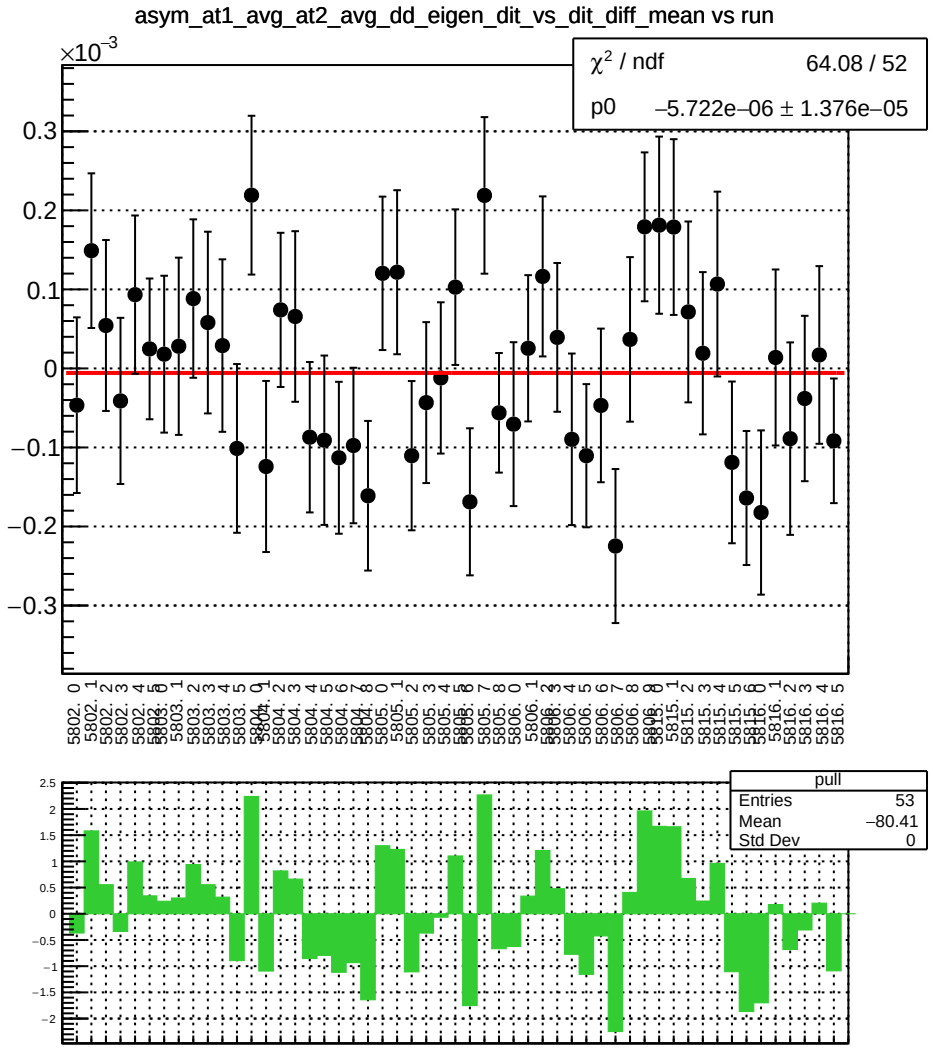

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0

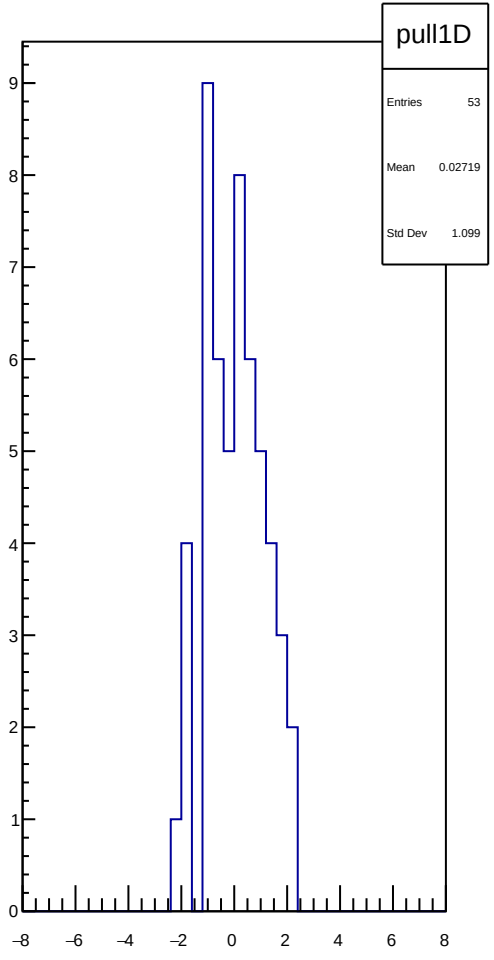

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

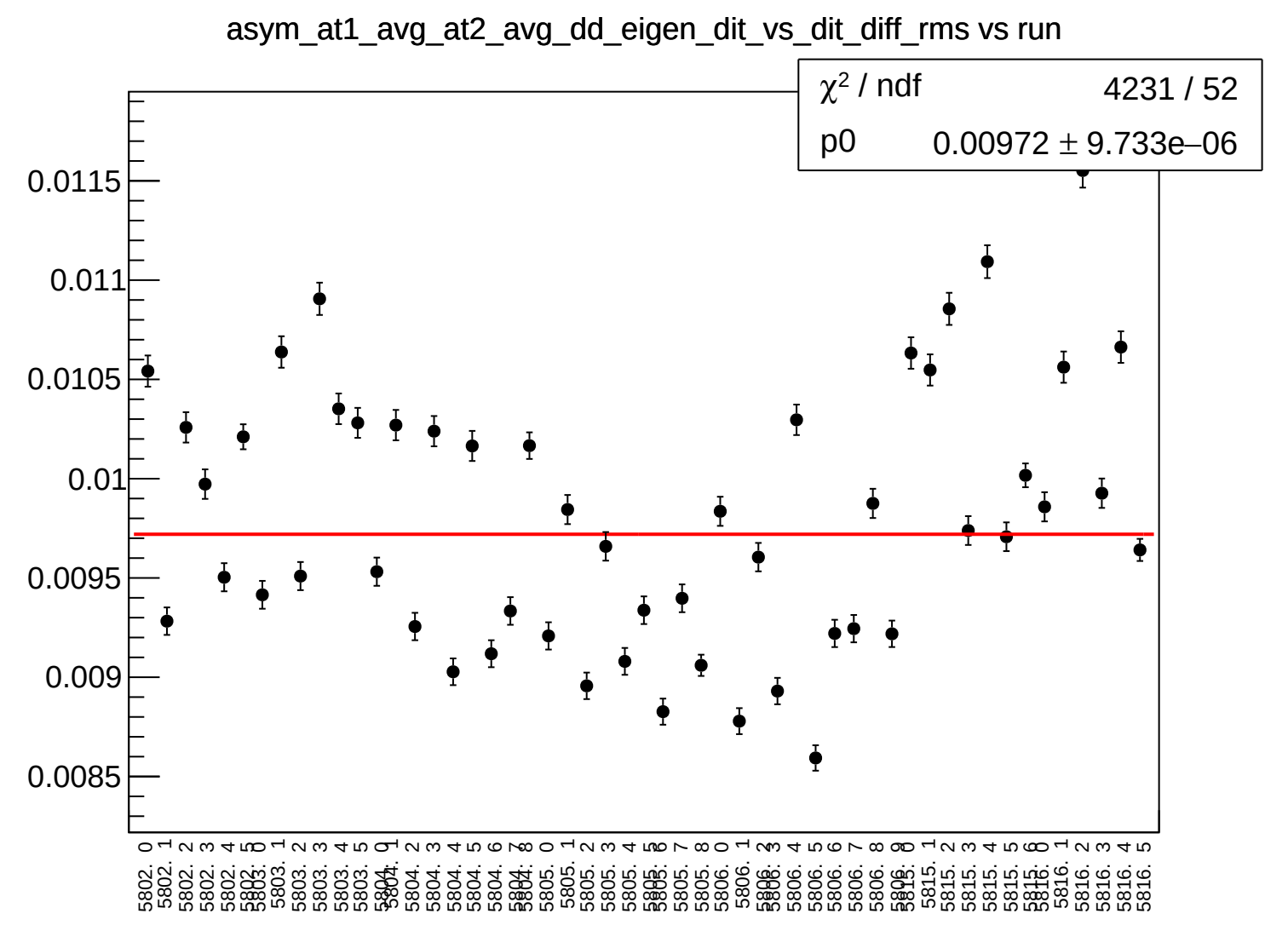

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

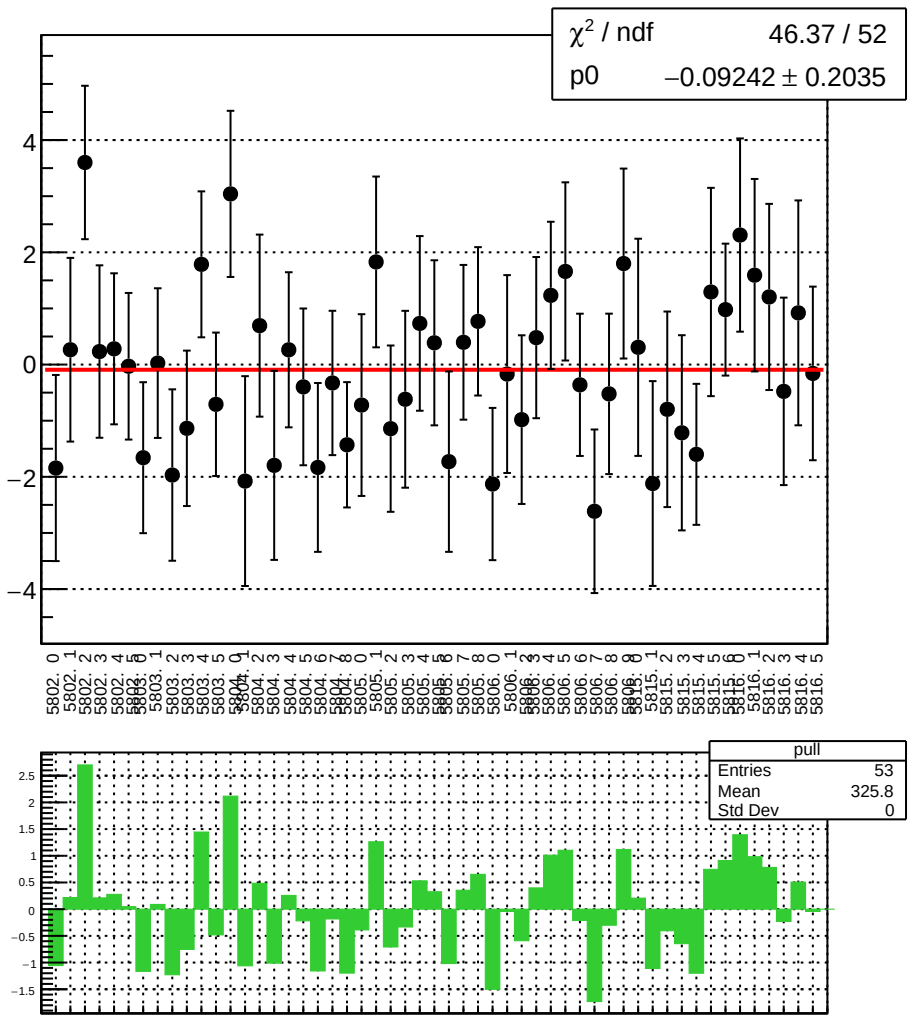

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0
pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

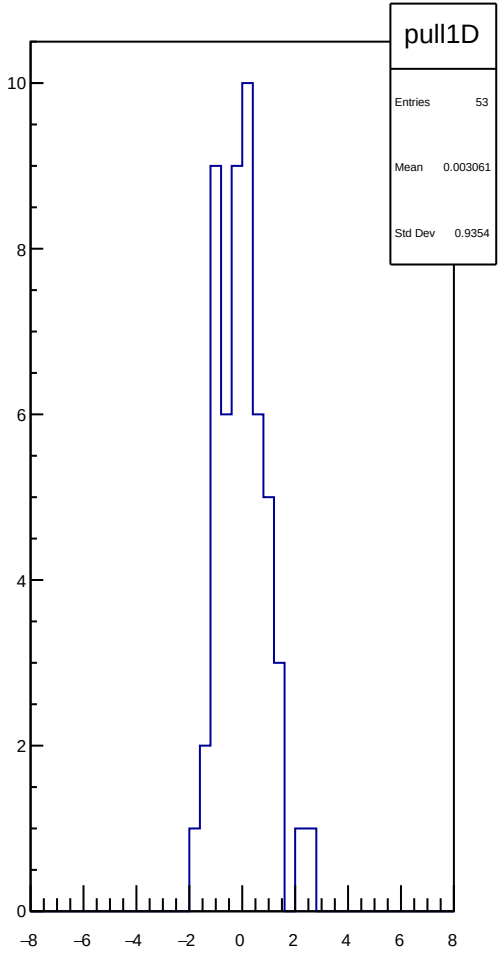

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

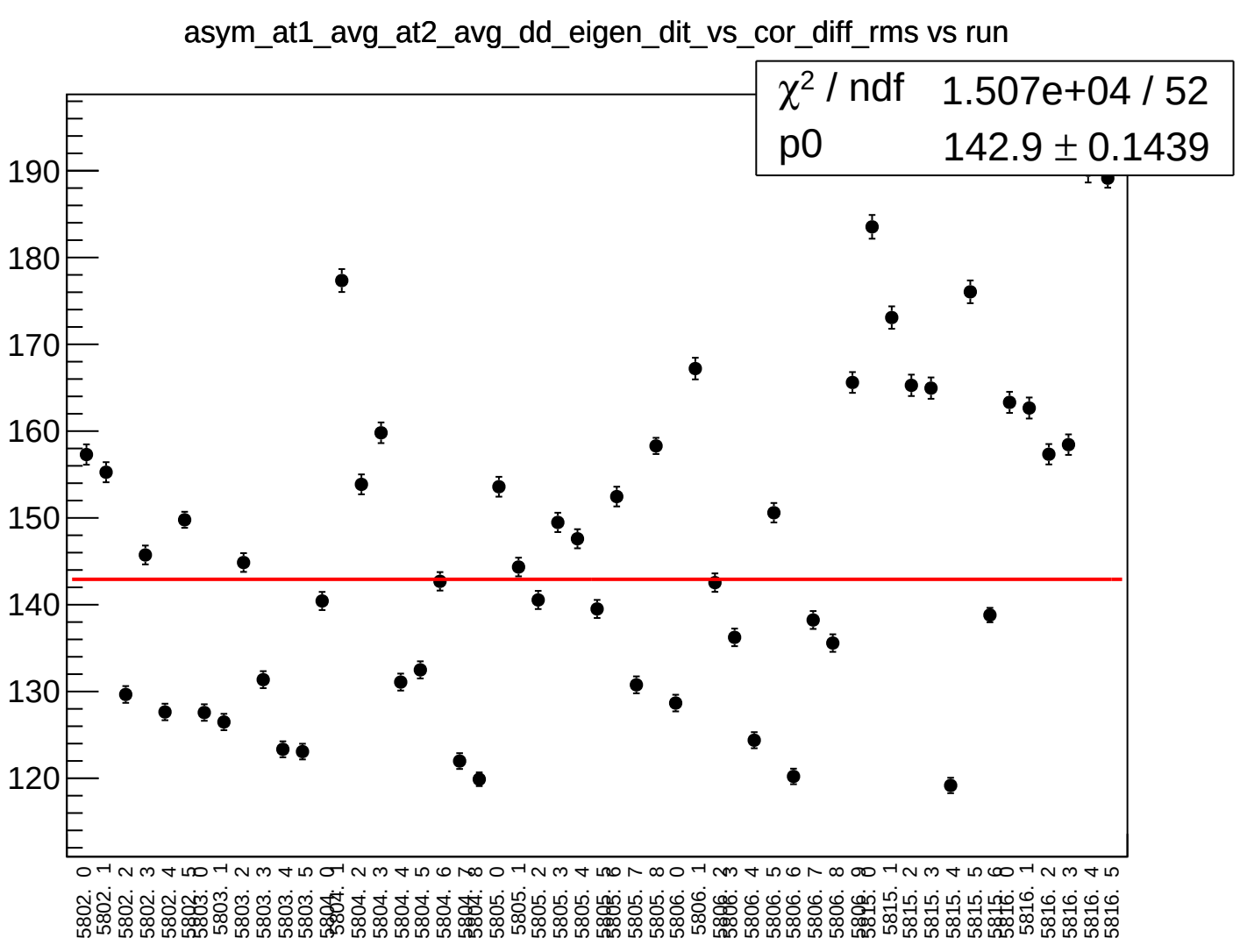

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.08 / 52
p0 −5.722e−06 ± 1.376e−05
pull
Entries 53
Mean −80.41
Std Dev 0

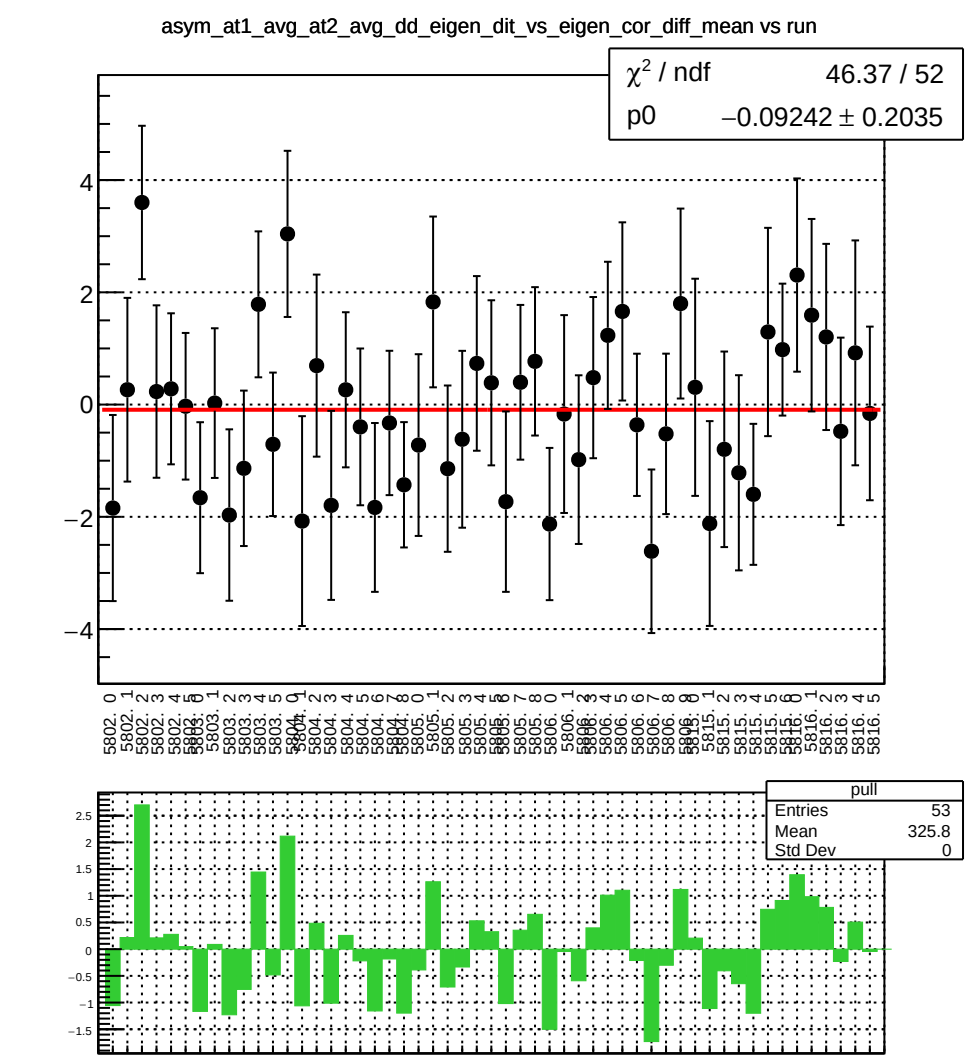

pull1D
Entries 53
Mean 0.02719
Std Dev 1.099

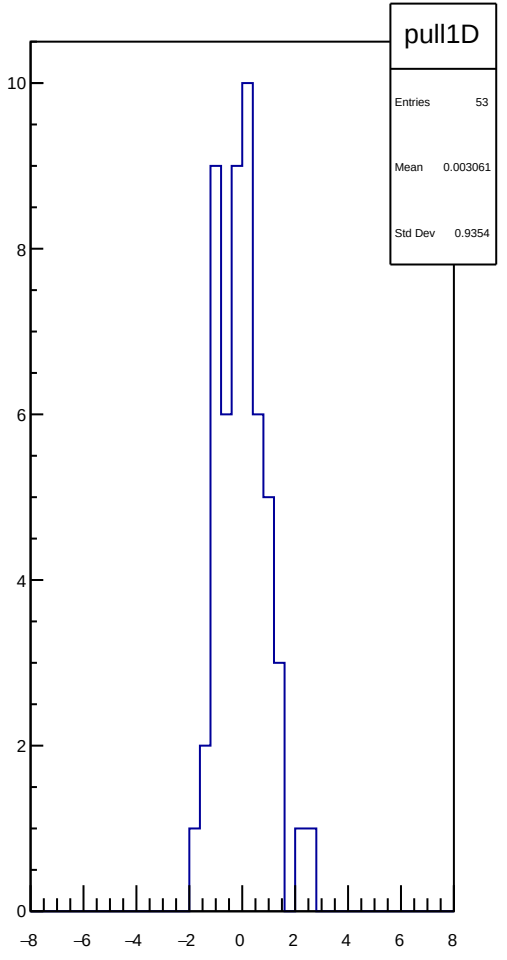

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4231 / 52
p0 0.00972 ± 9.733e–06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

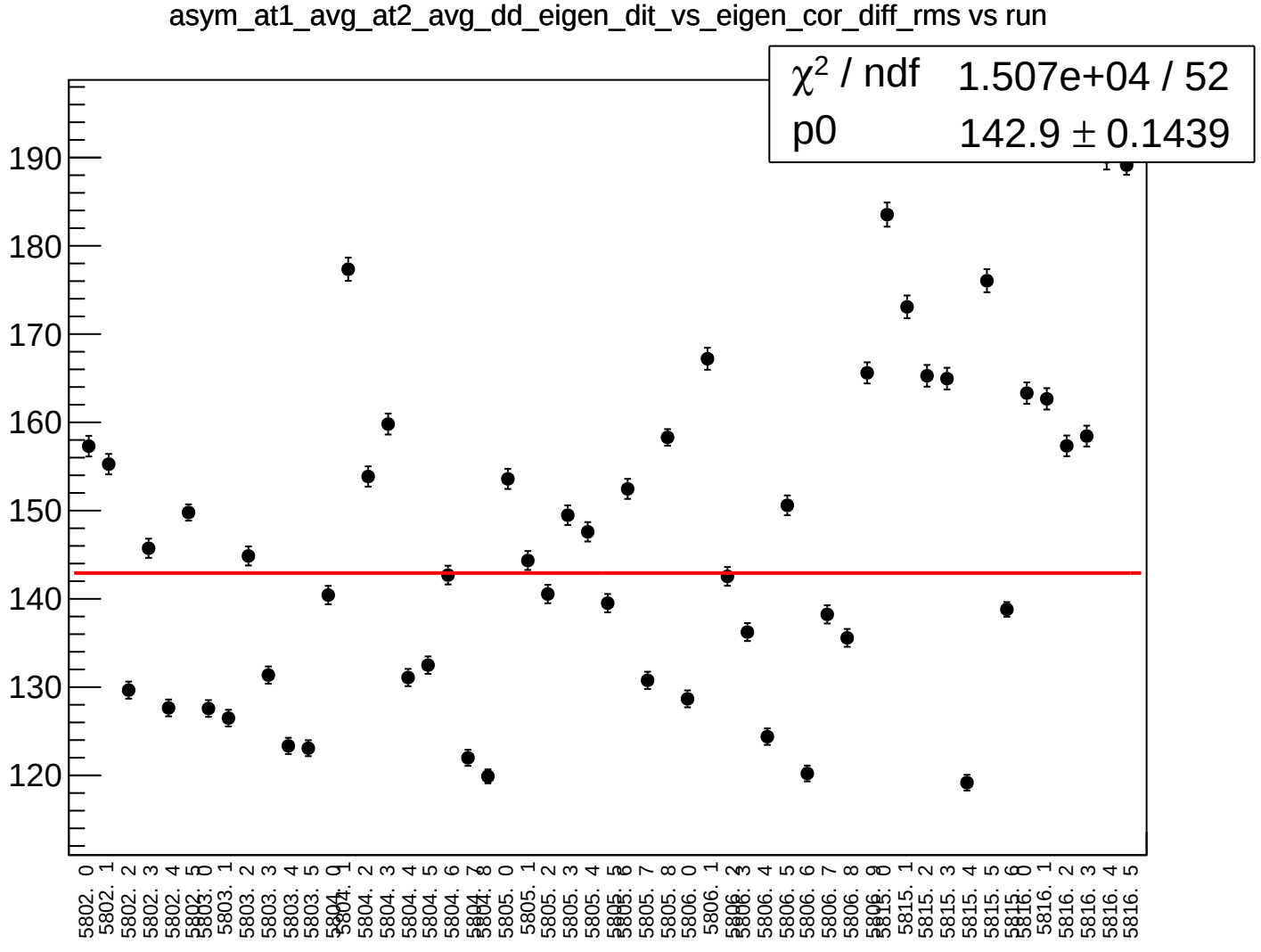

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0

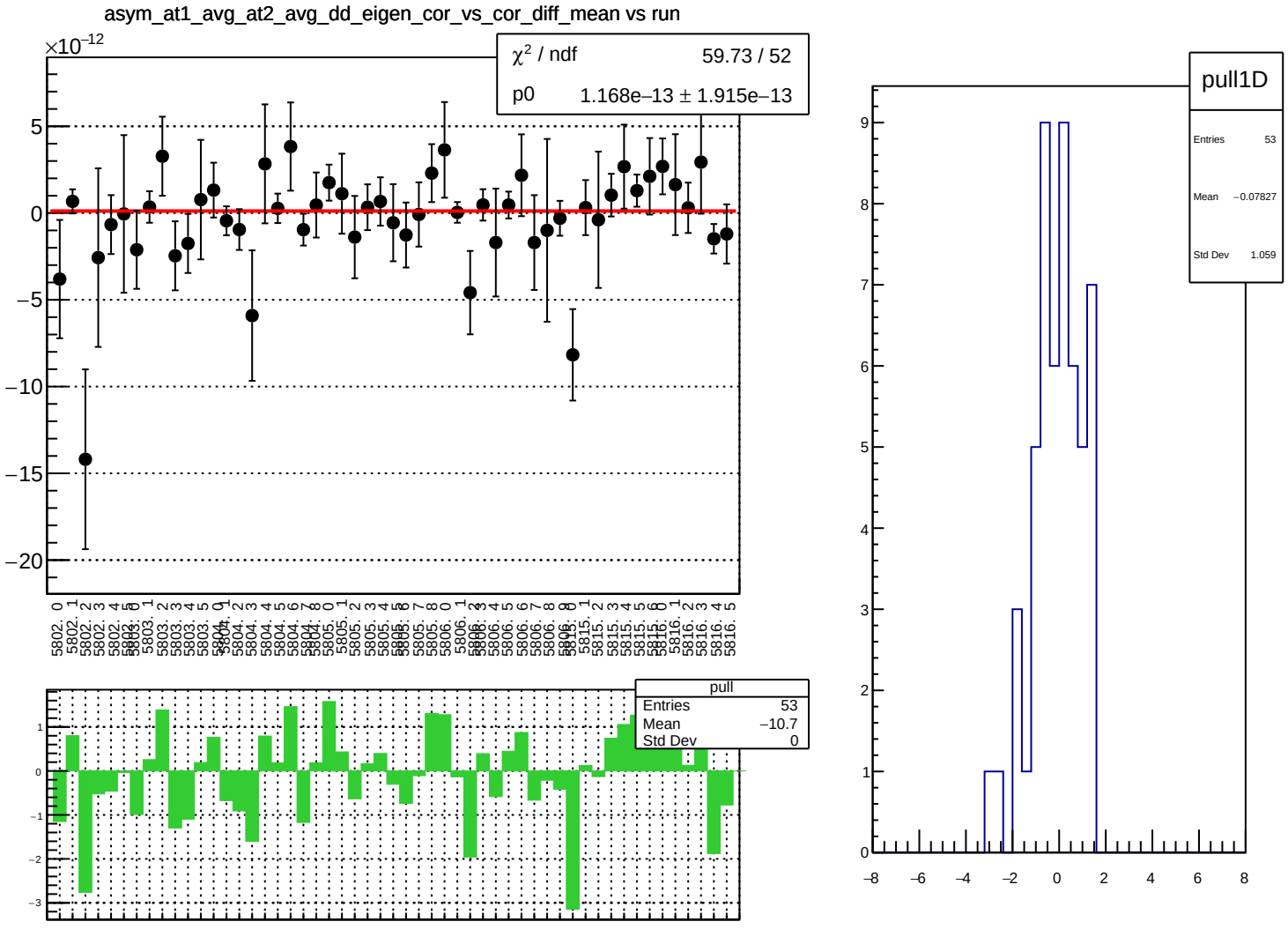

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

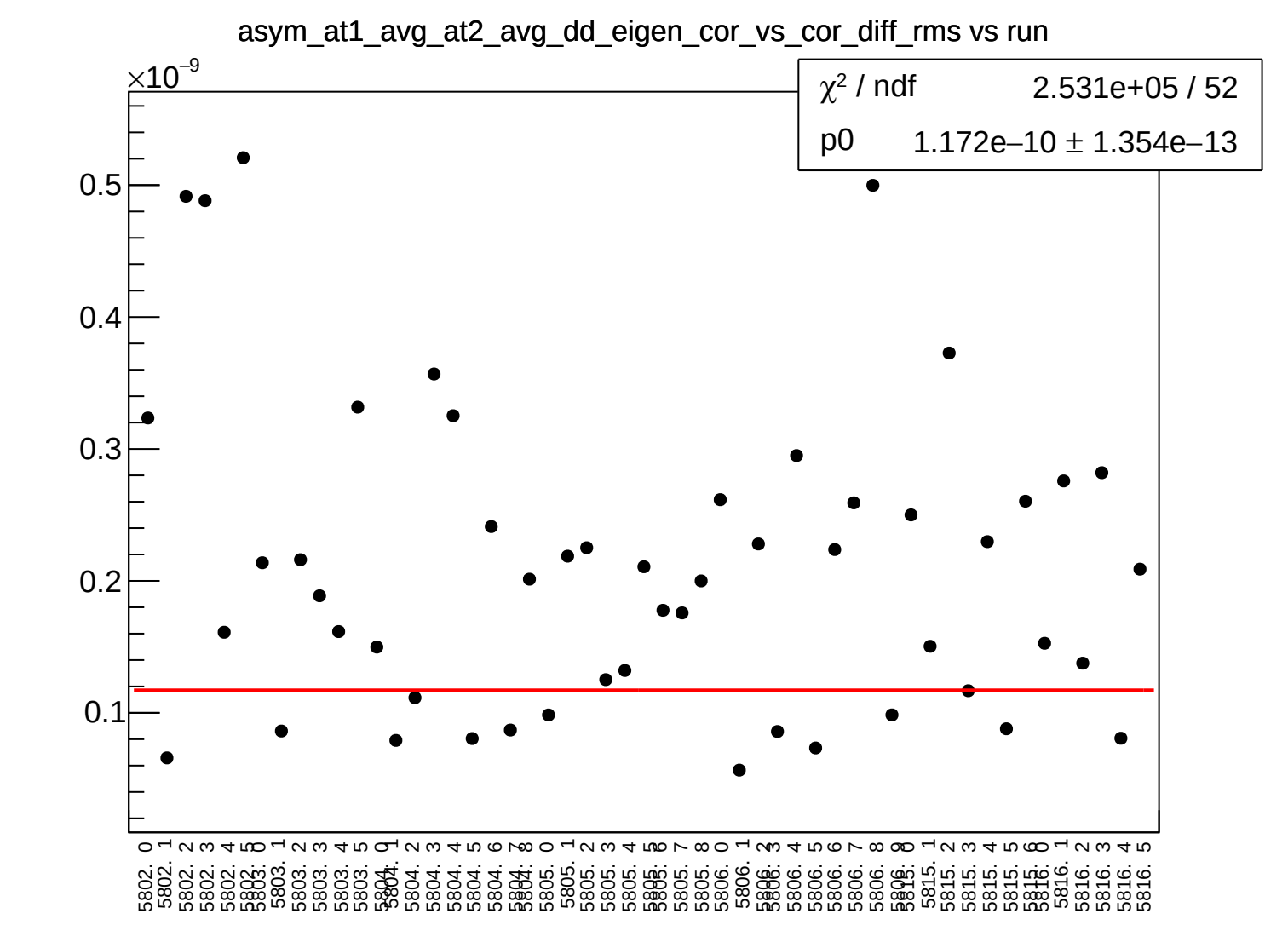

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

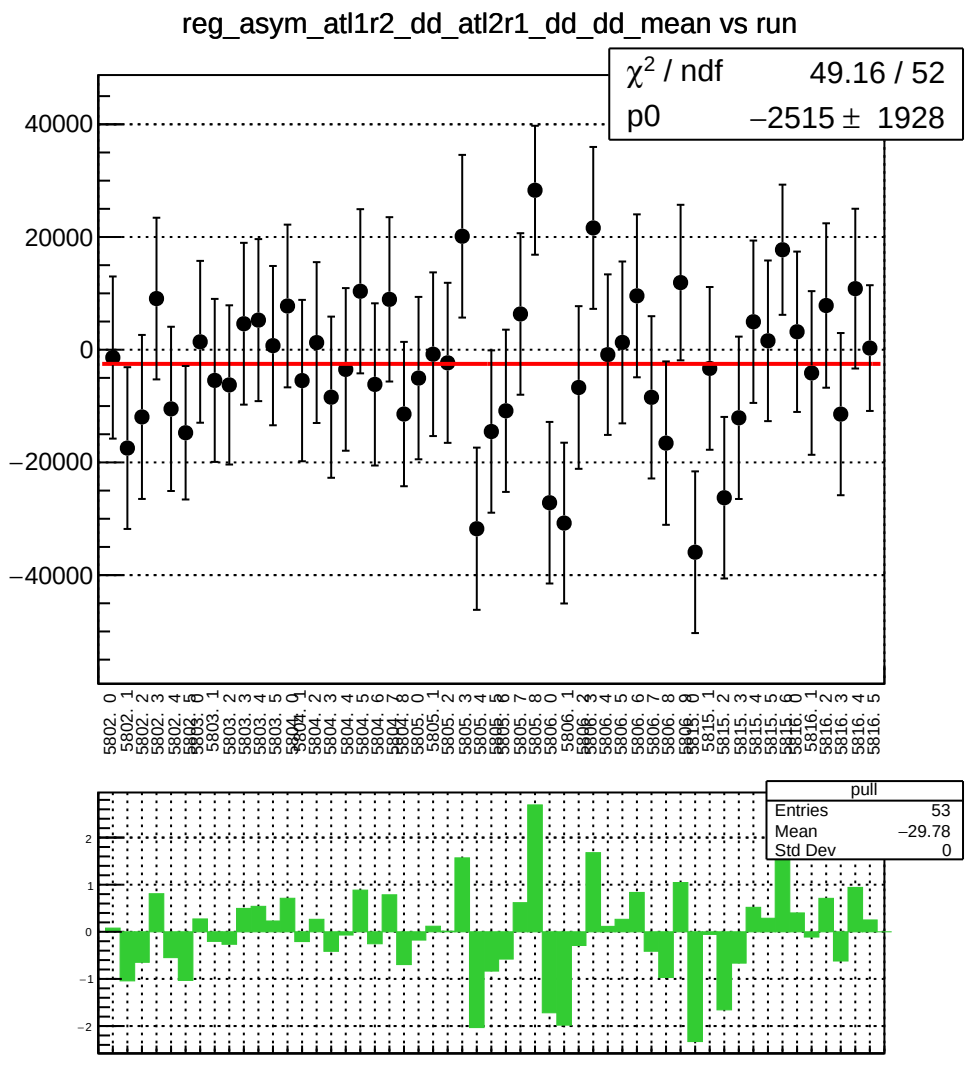

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0

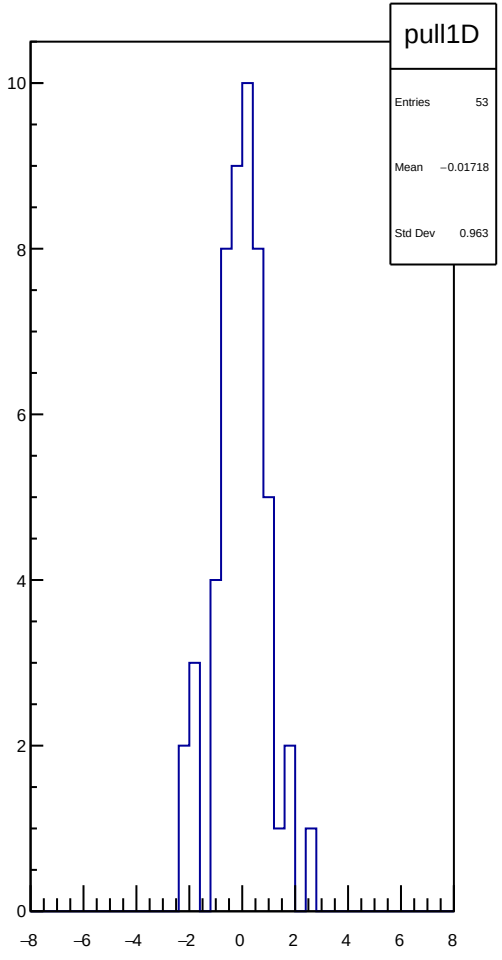

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

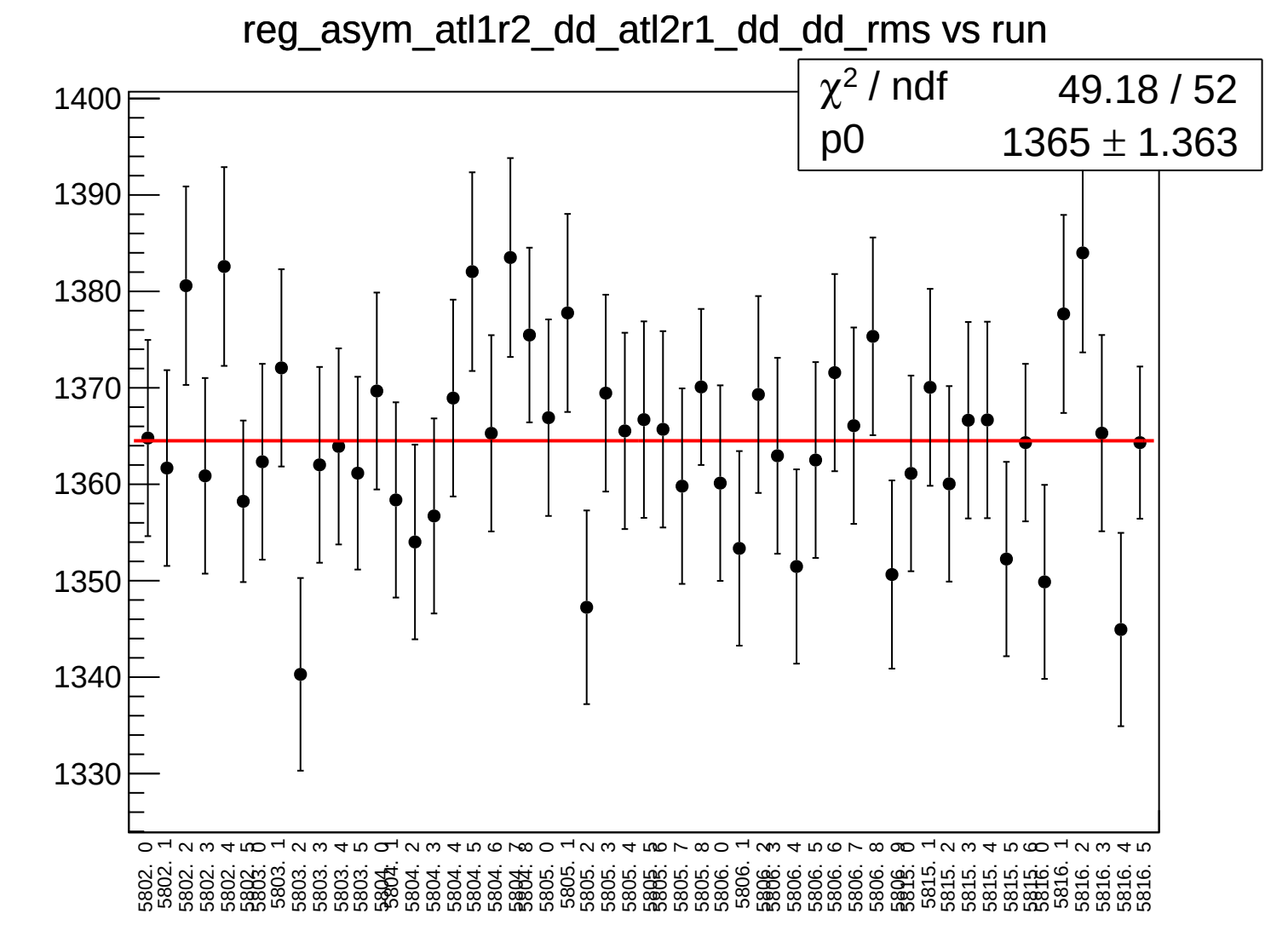

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

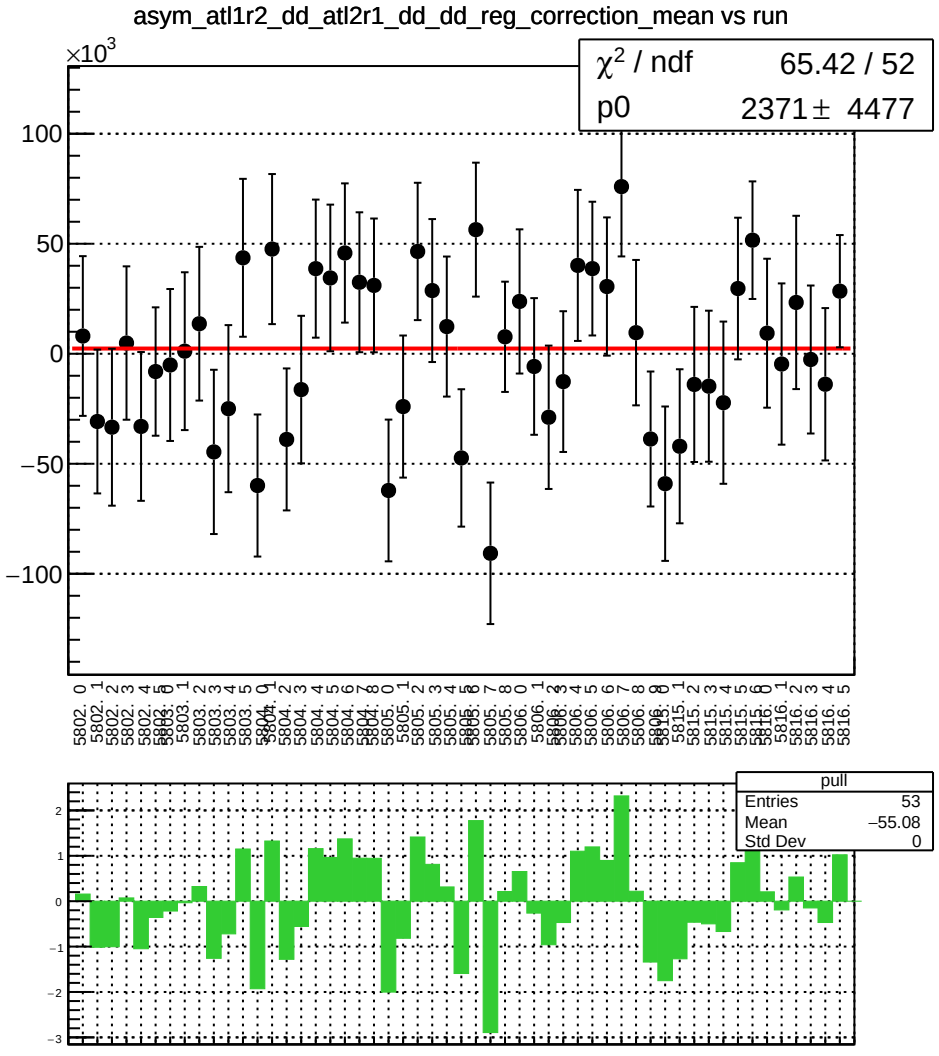

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.73 / 52
p0 1.168e−13 ± 1.915e−13
pull
Entries 53
Mean −10.7
Std Dev 0
pull1D
Entries 53
Mean −0.07827
Std Dev 1.059

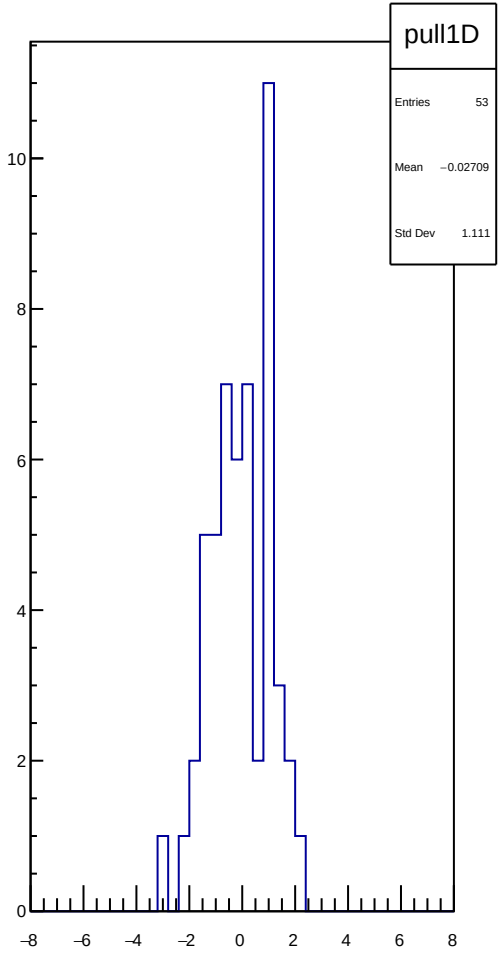

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.531e+05 / 52
p0 1.172e−10 ± 1.354e−13
0.5
0.4
0.3
0.2
0.1

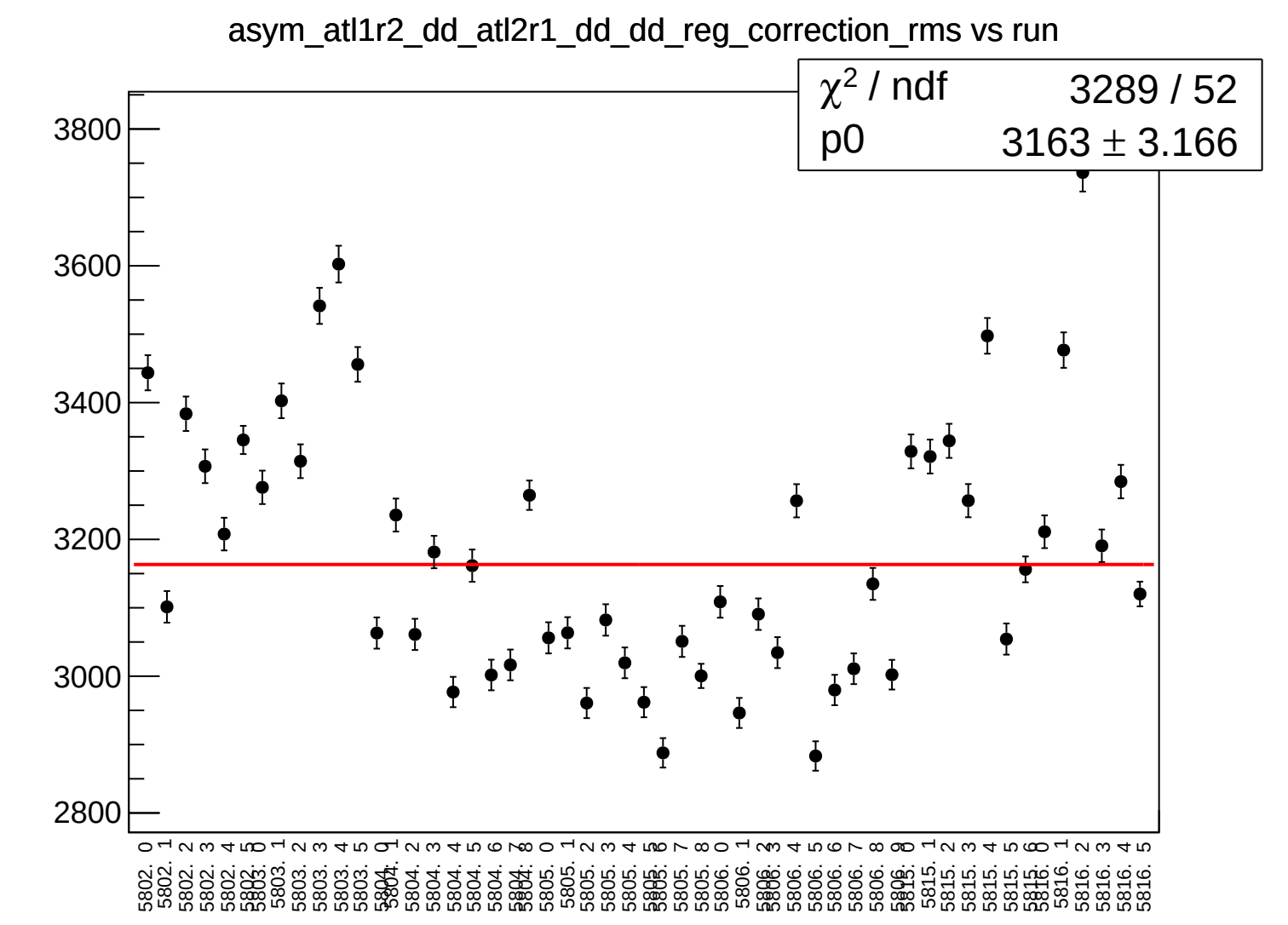

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 49.16 / 52
p0 −2515 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2

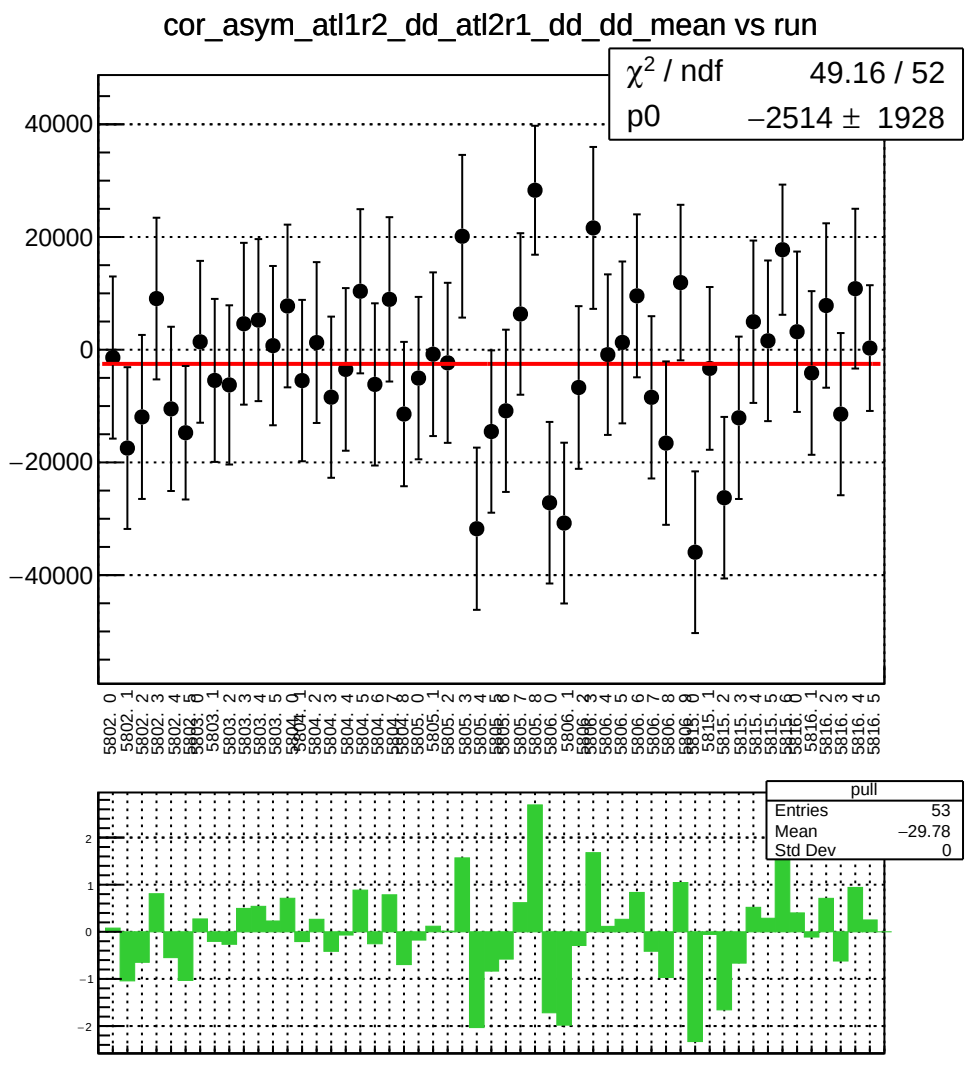

pull1D
Entries 53
Mean −0.01718
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

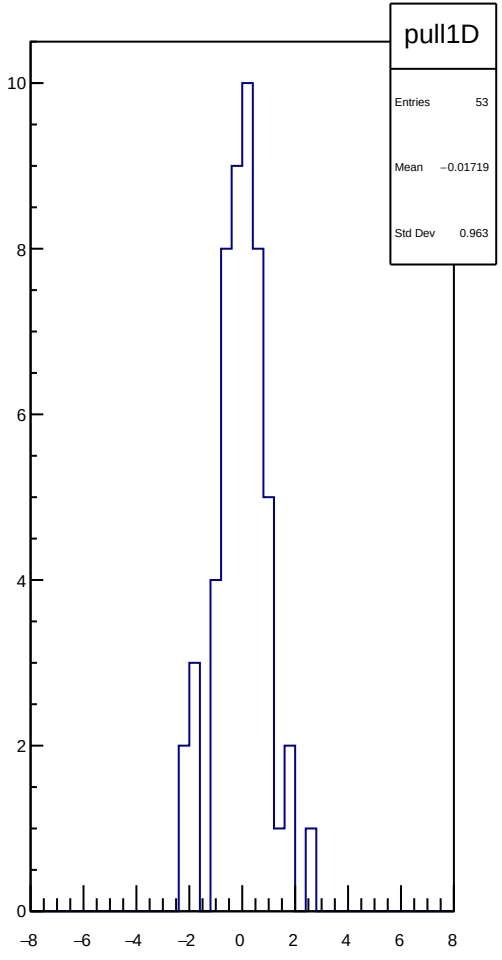

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330

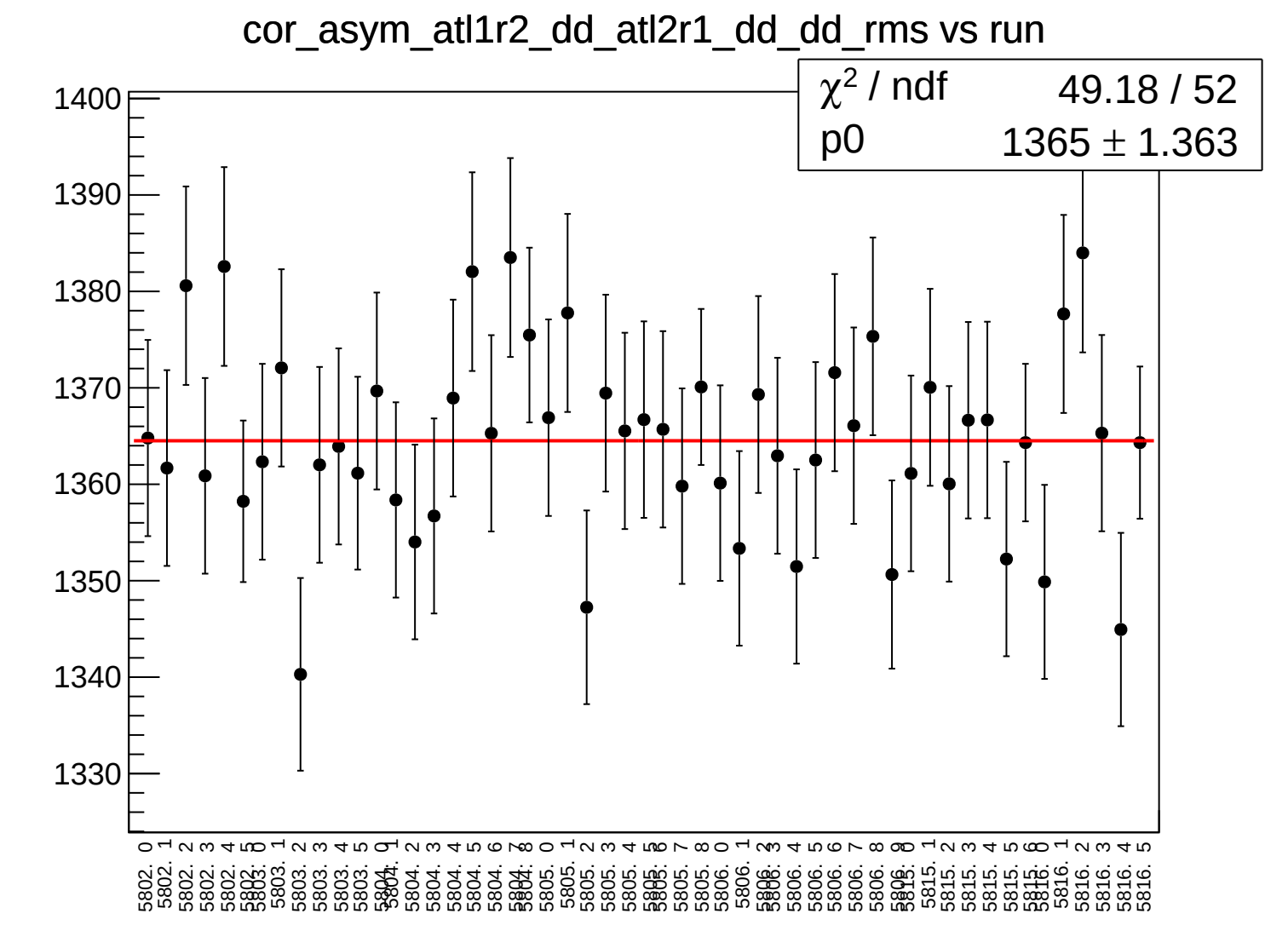

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.08
Std Dev 0
2
1
0
−1
−2
−3

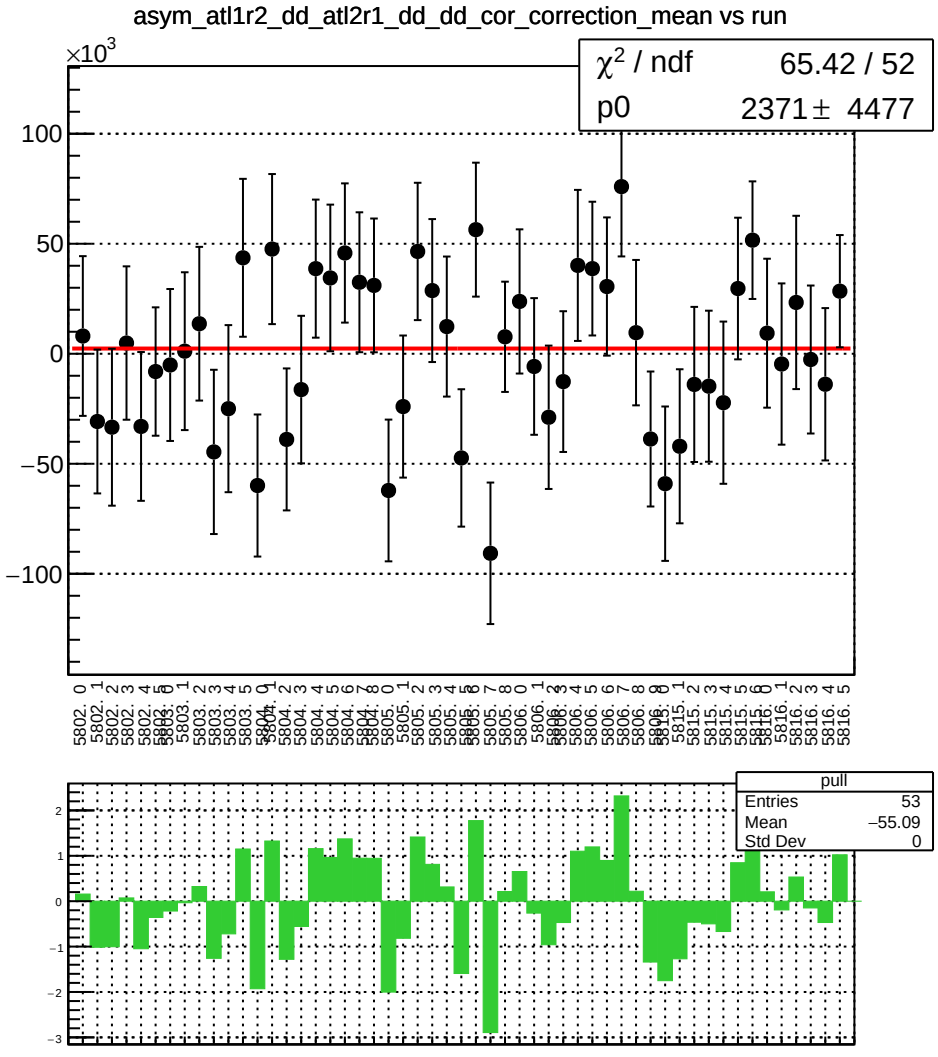

pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

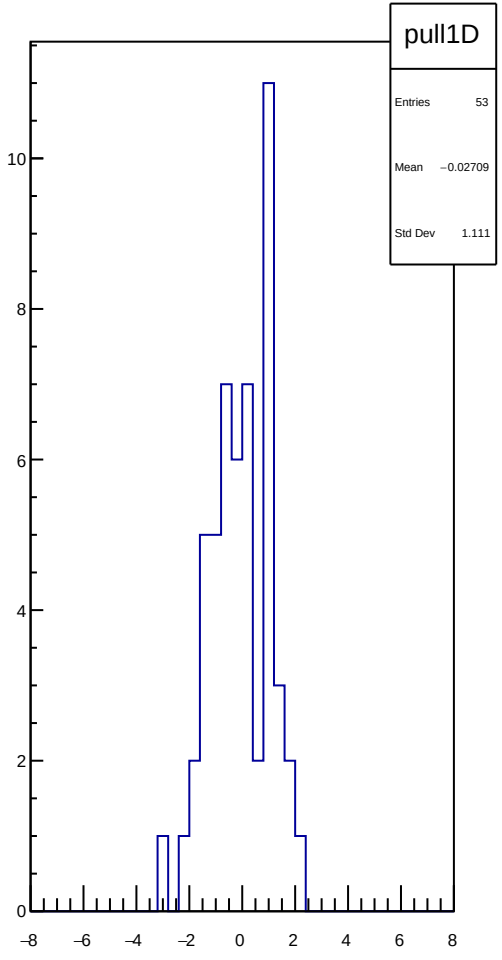

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
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 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
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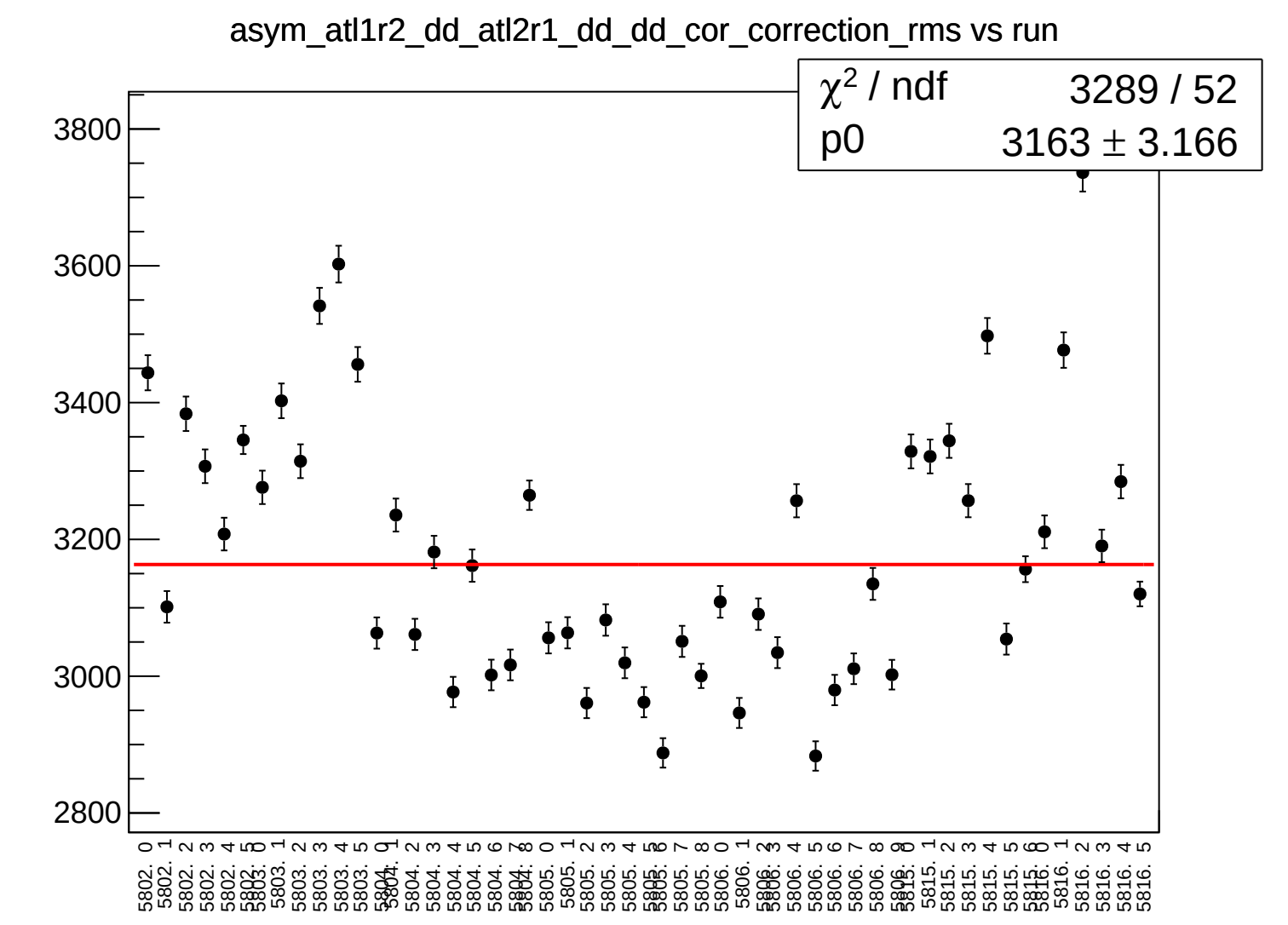
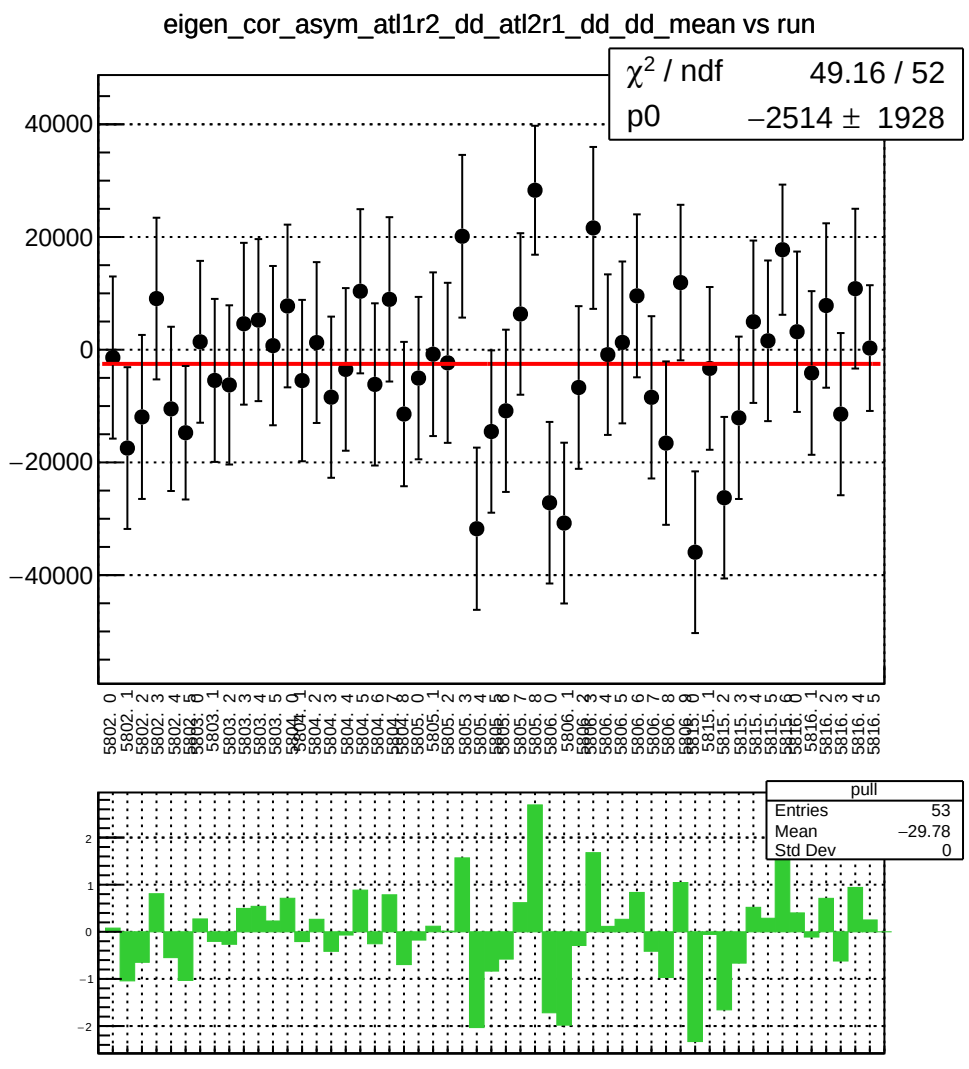
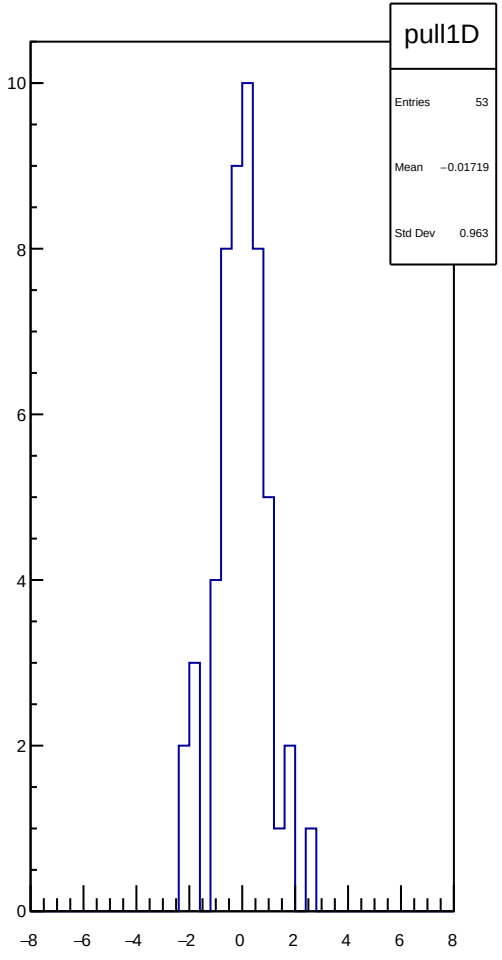
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 49.16 / 52
p0 −2514 ± 1928
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −29.78
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01719
Std Dev 0.963
10
8
6
4
2
0
−8
−6
−4
−2
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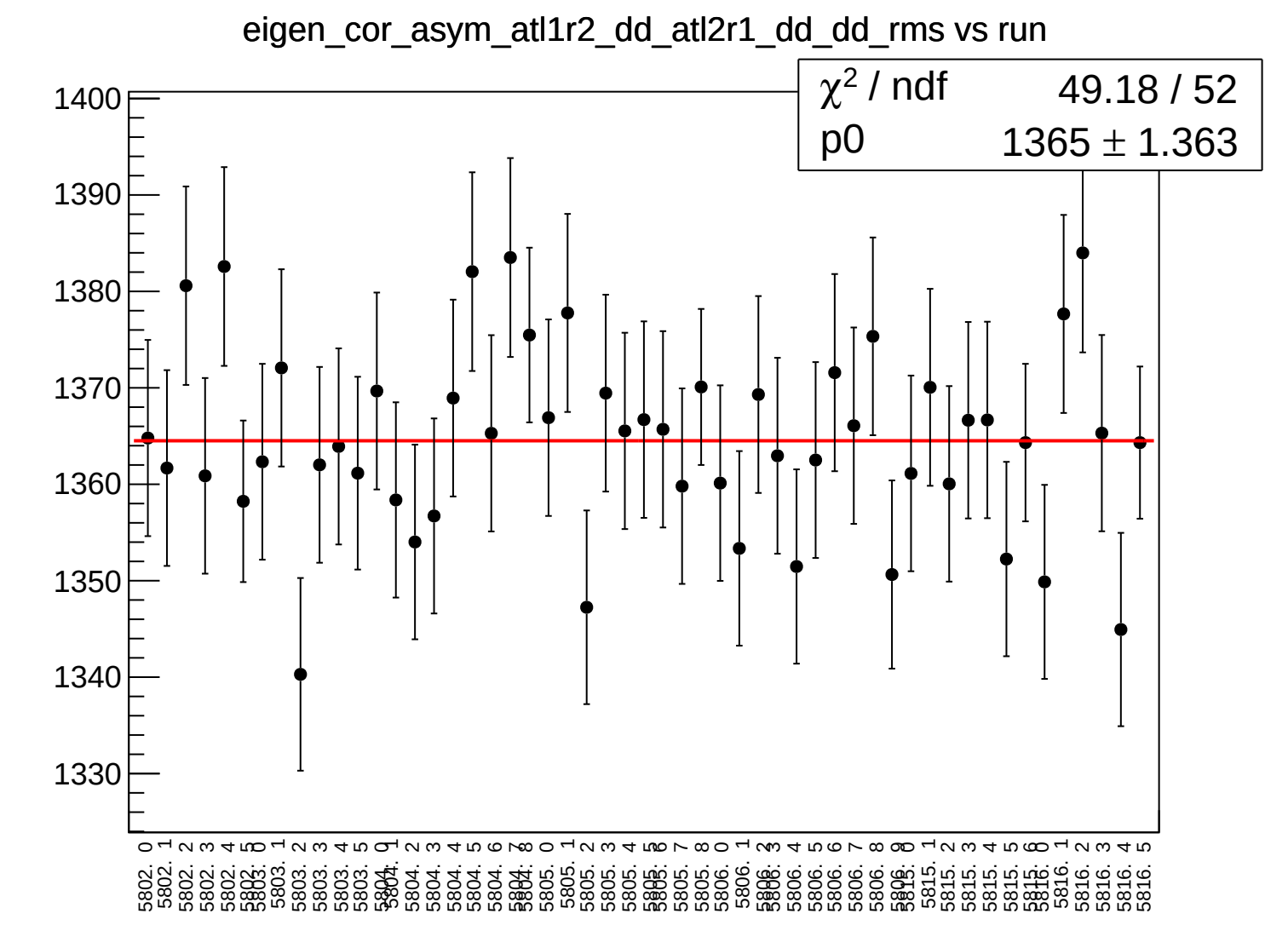
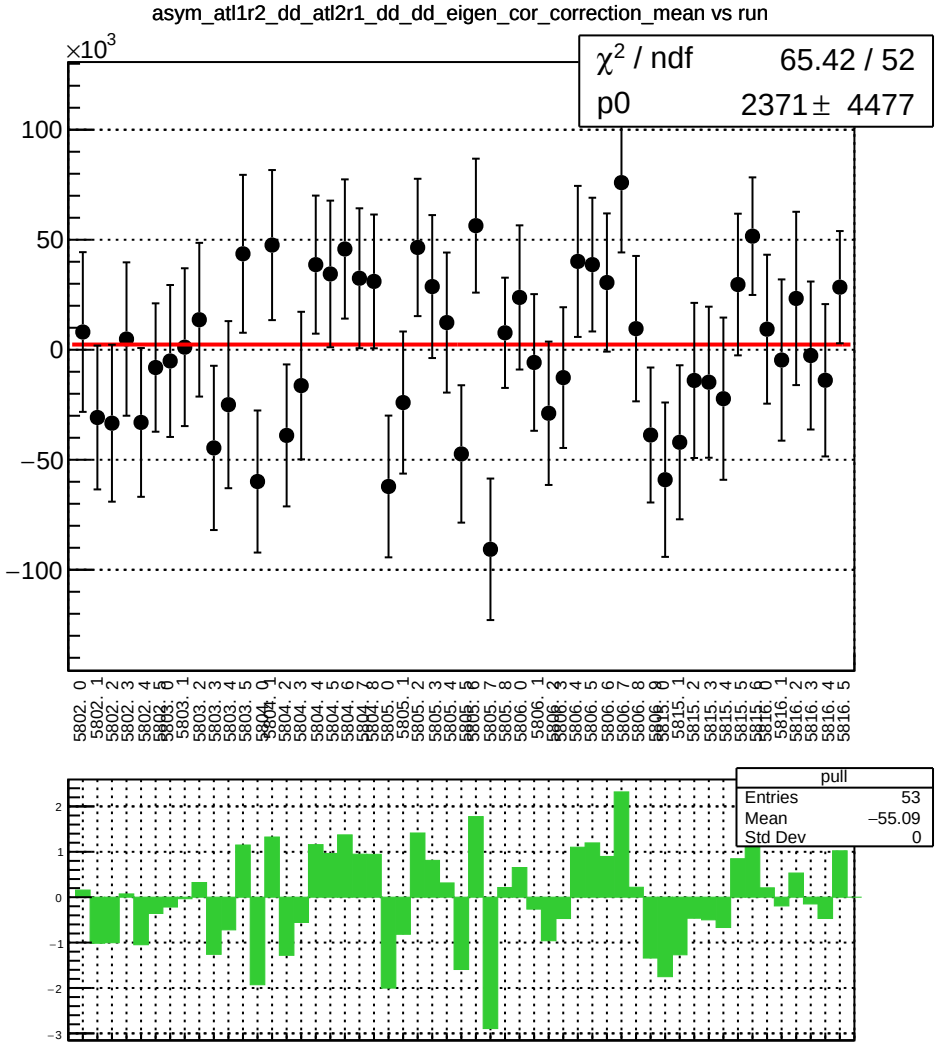
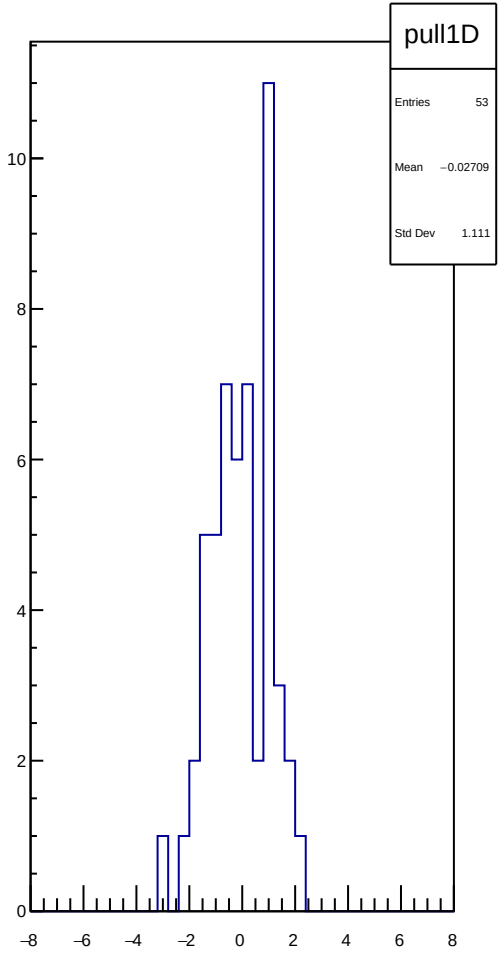
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 49.18 / 52
p0 1365 ± 1.363
1400
1390
1380
1370
1360
1350
1340
1330


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.42 / 52
p0 2371 ± 4477
100
50
0
−50
−100
pull
Entries 53
Mean −55.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.02709
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
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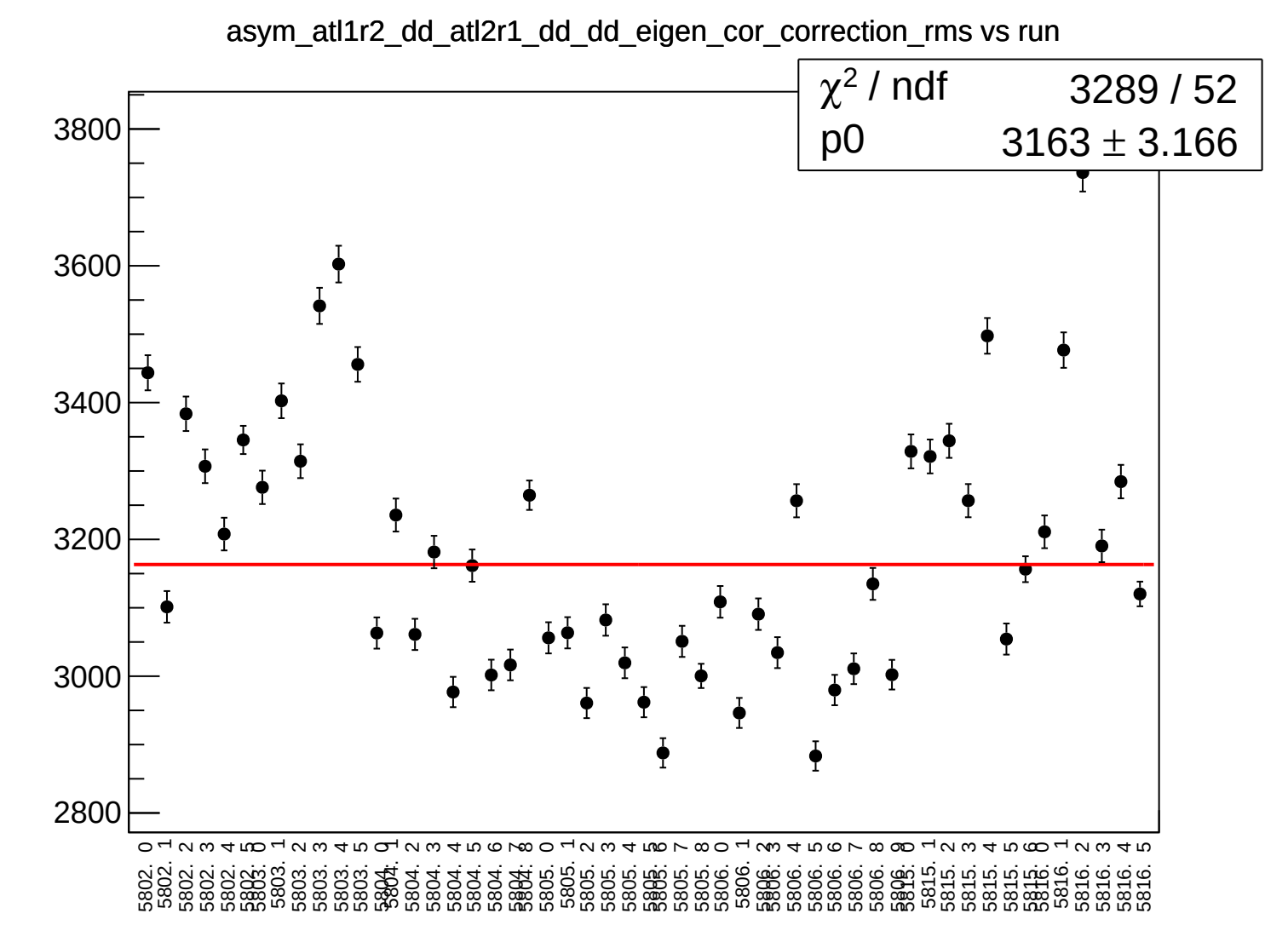
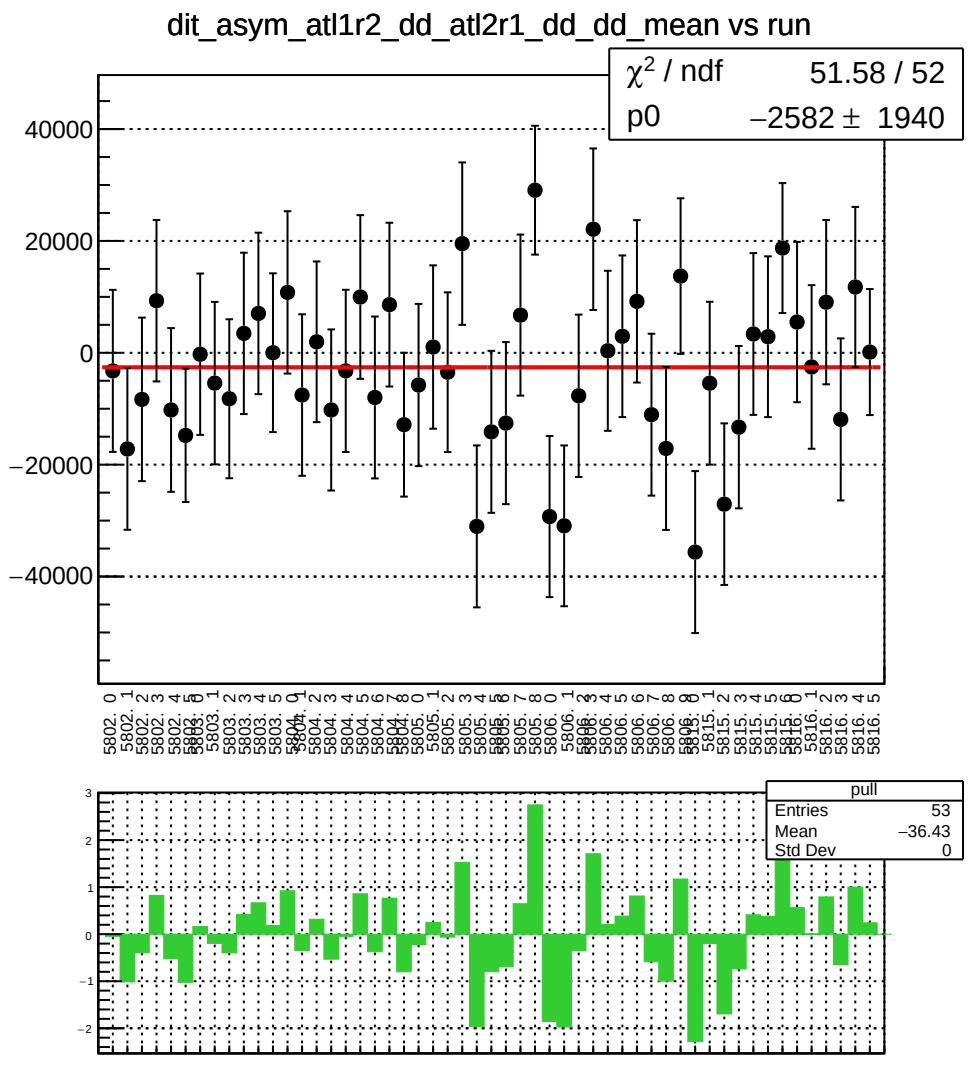
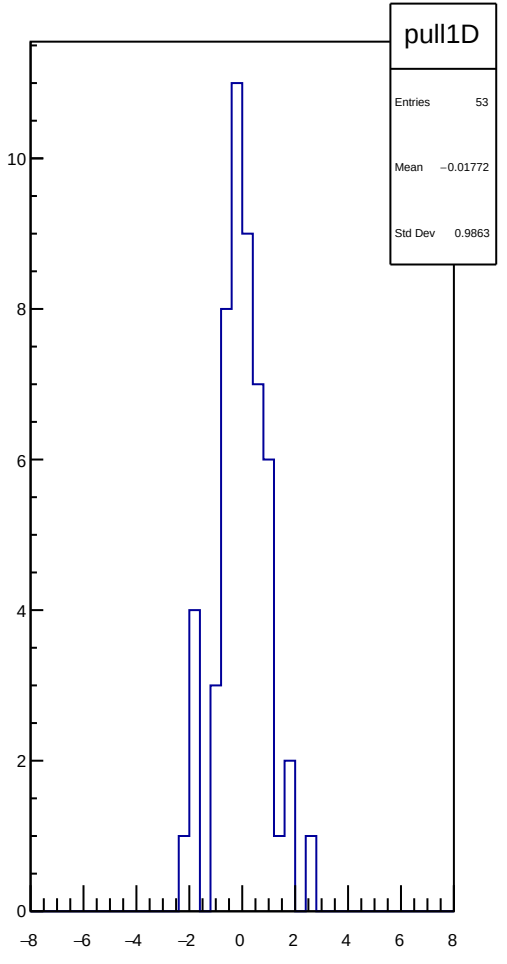
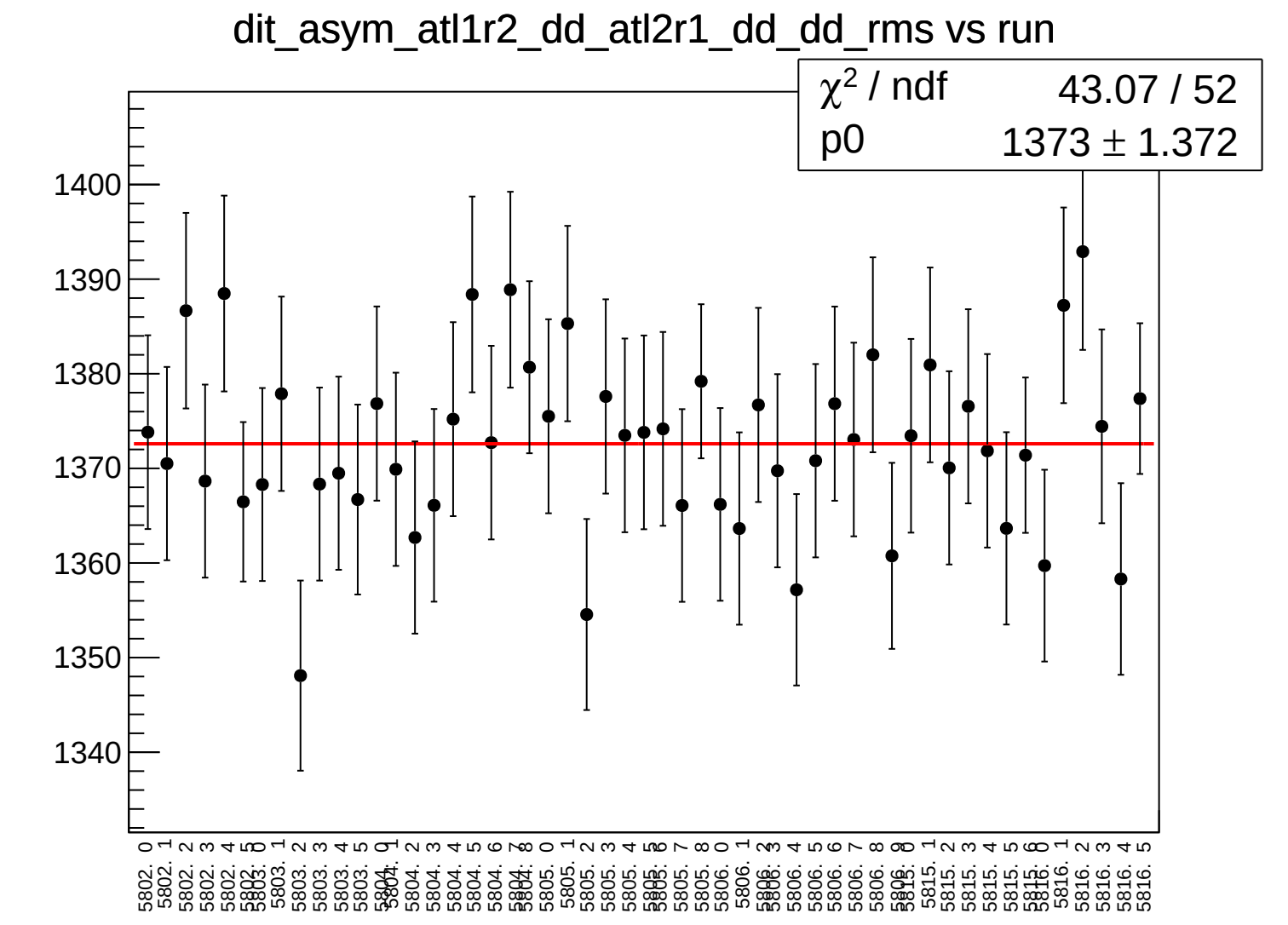
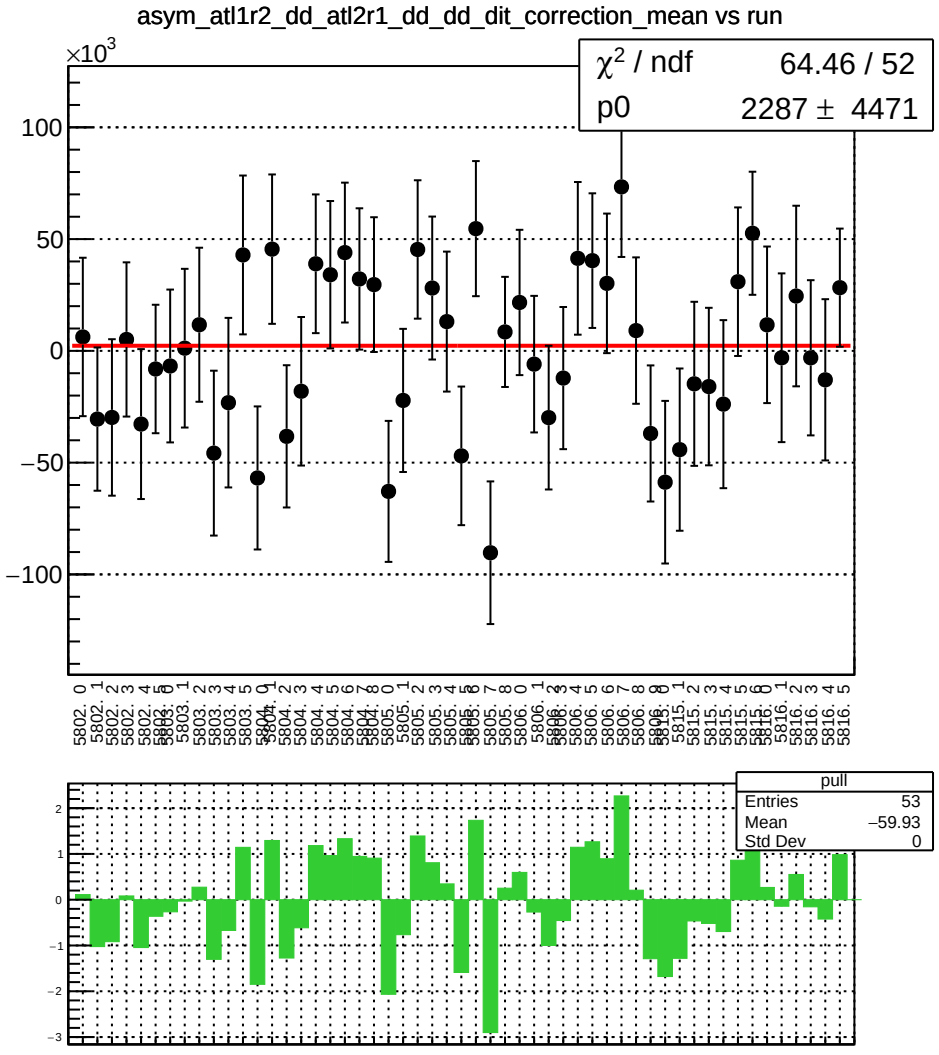
2
4
6
8

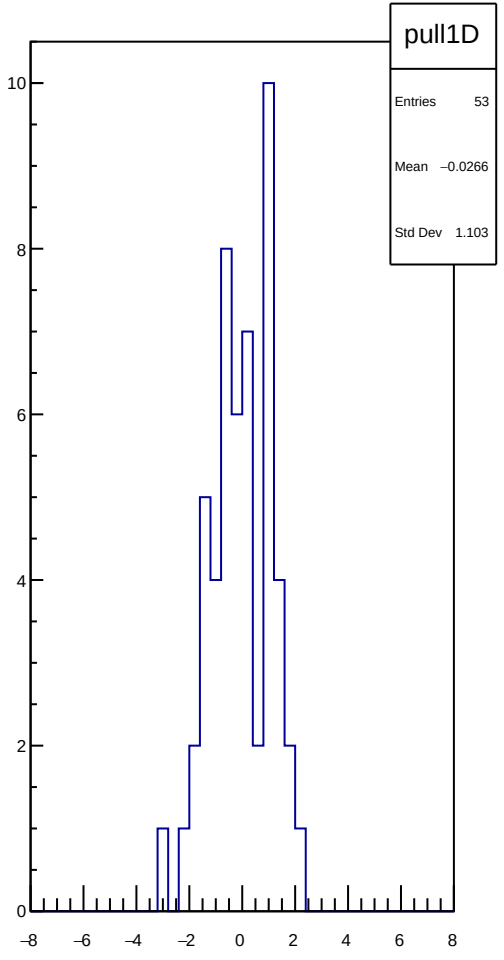

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3289 / 52
p0 3163 ± 3.166
3800
3600
3400
3200
3000
2800

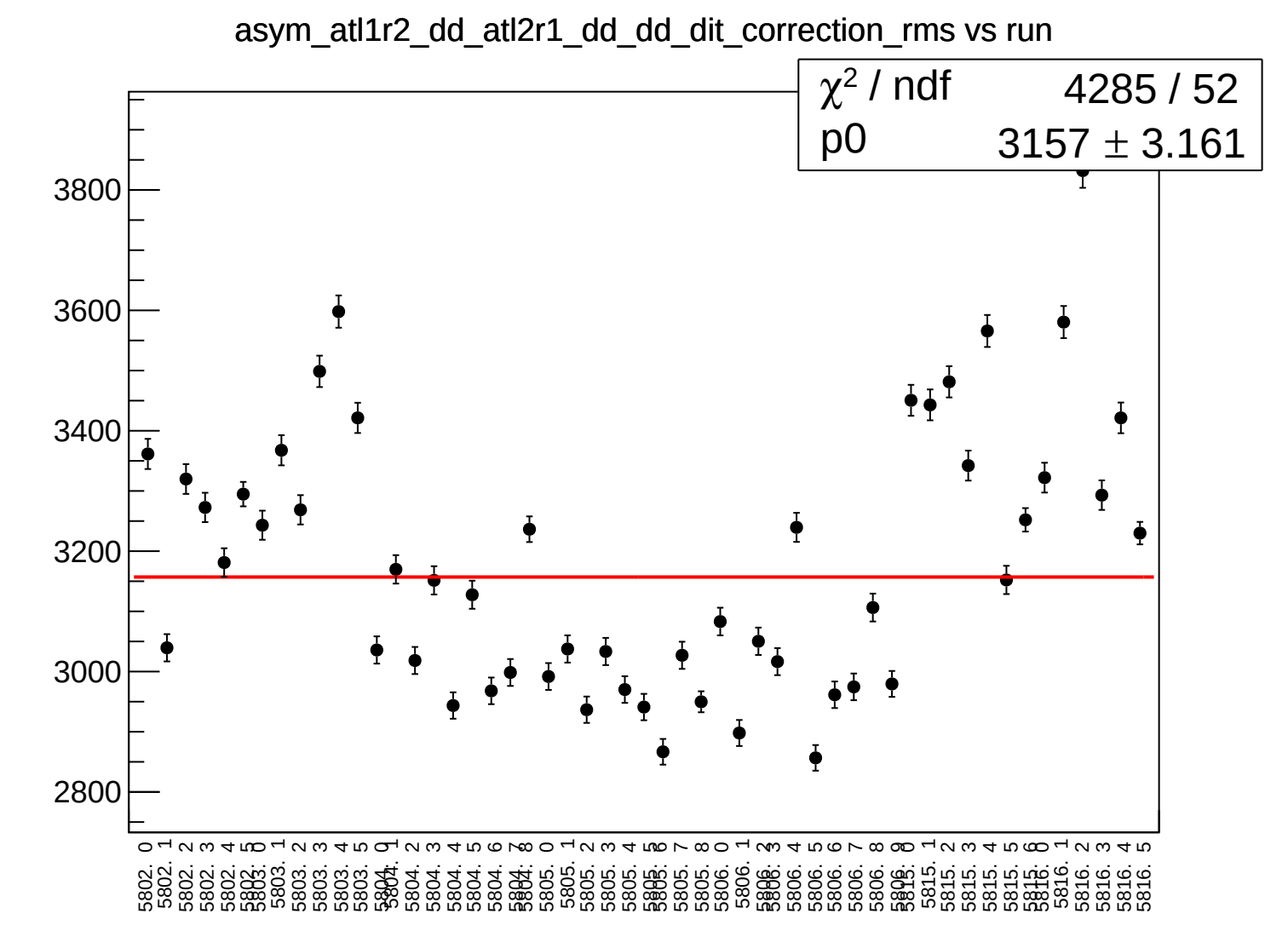

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0
3
2
1
0
−1
−2

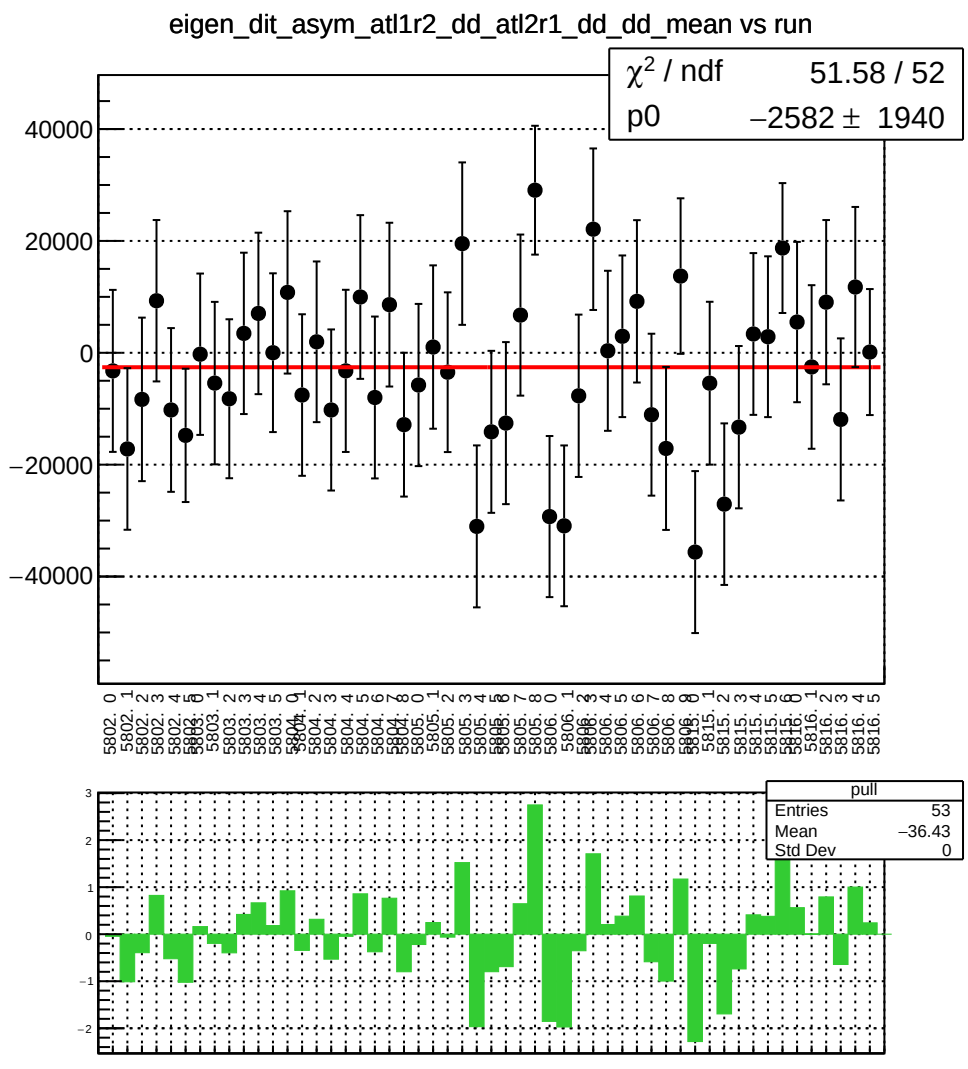

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

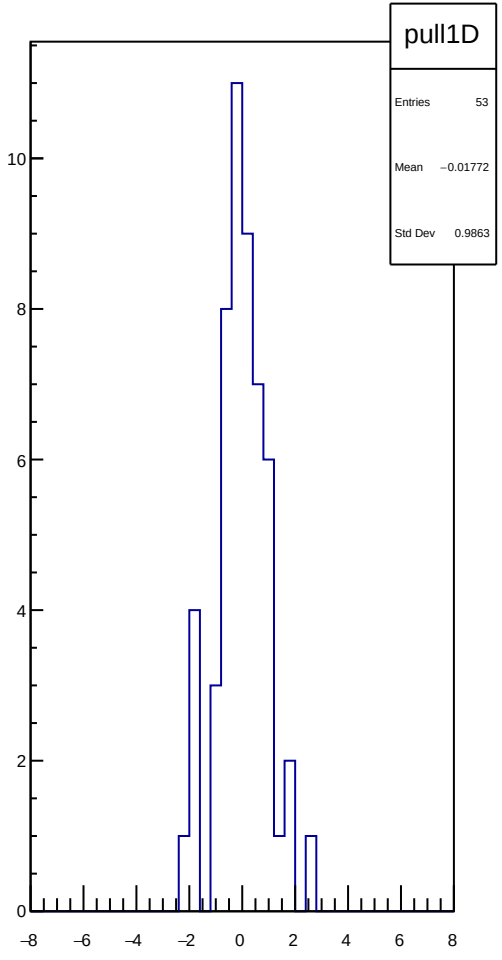

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

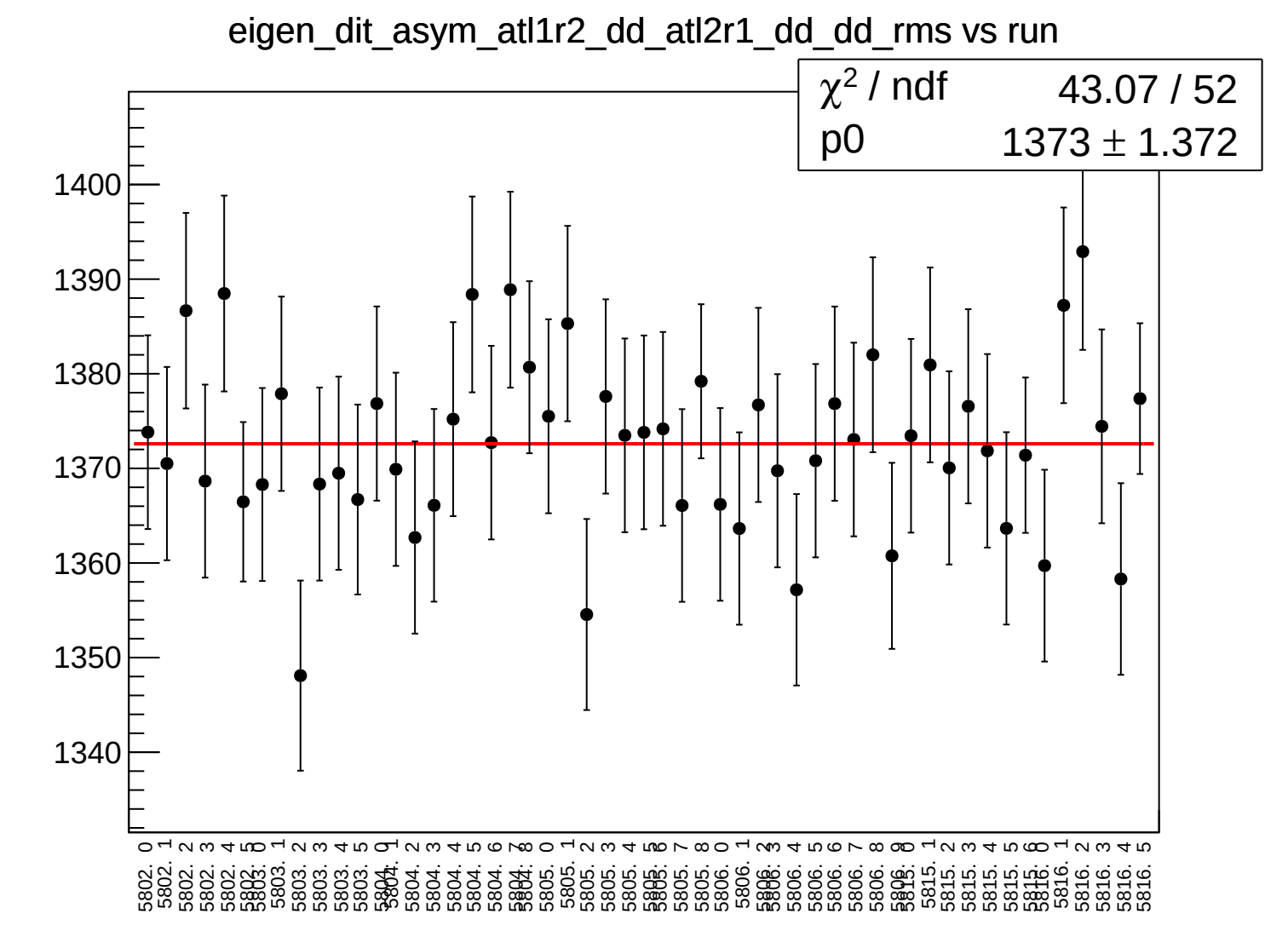

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

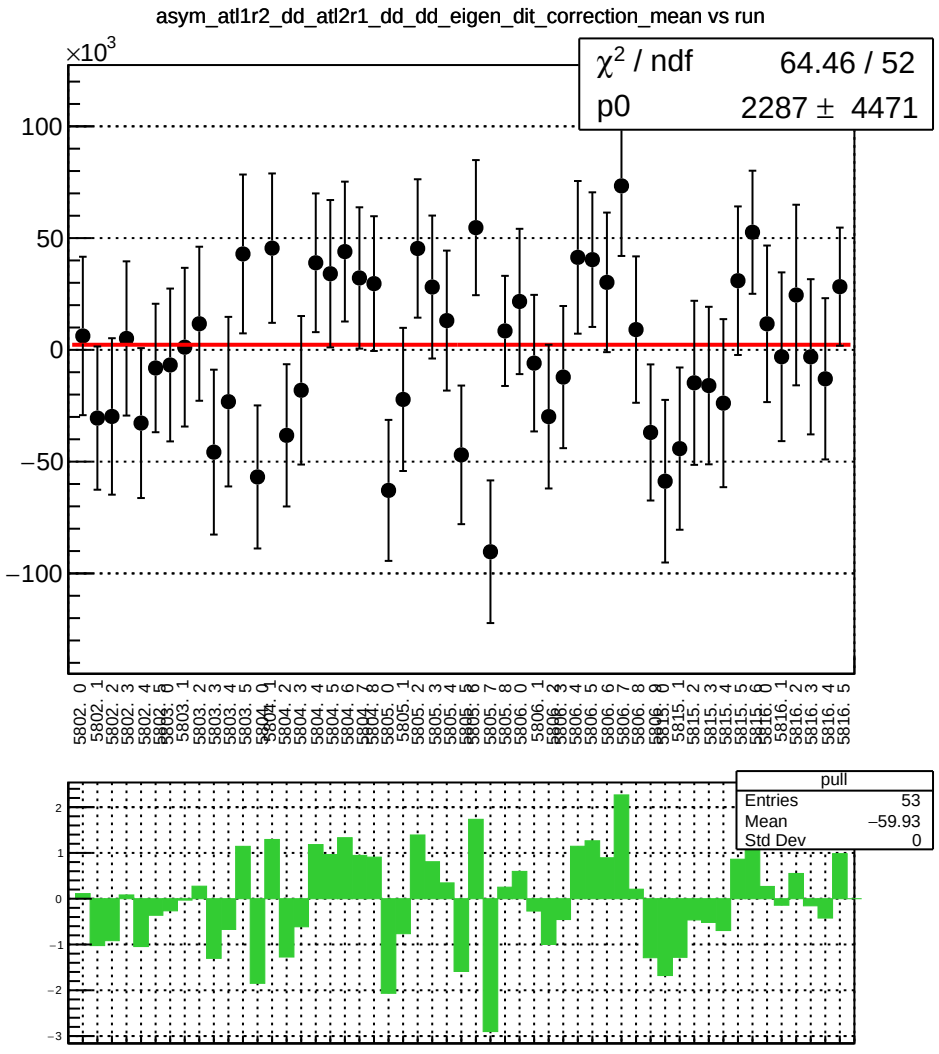

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

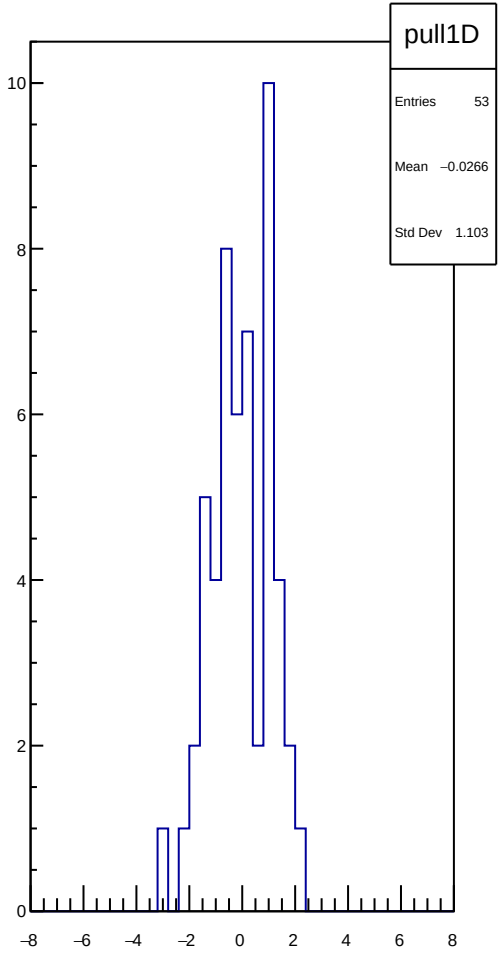

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

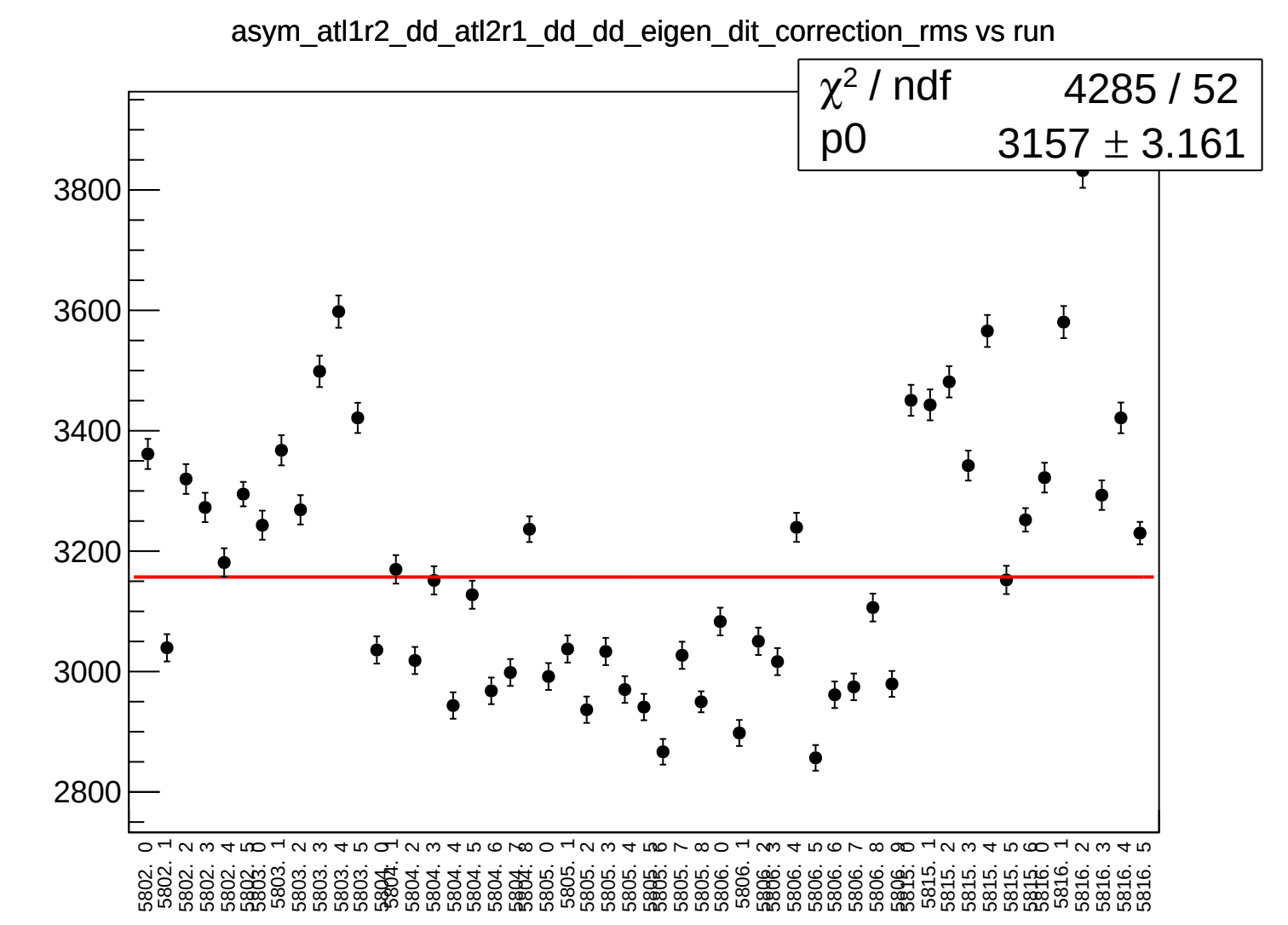

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 51.58 / 52
p0 −2582 ± 1940
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −36.43
Std Dev 0

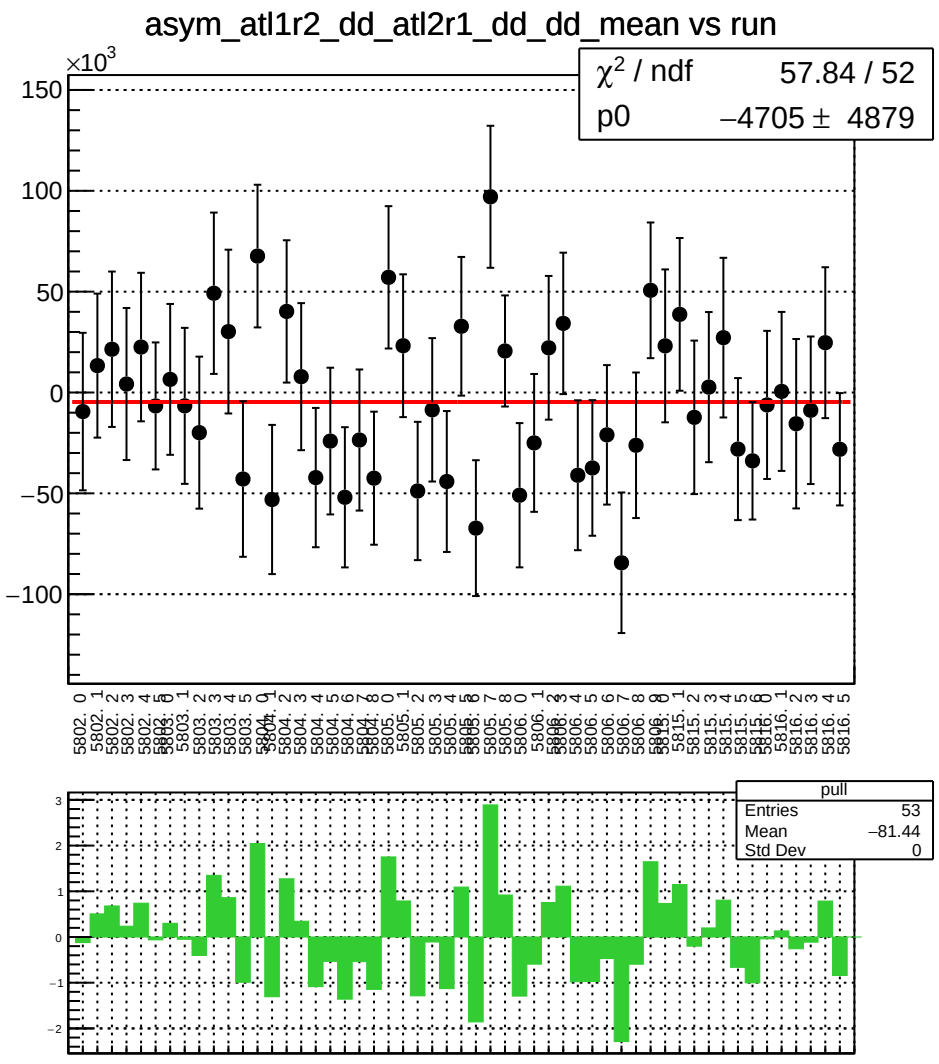

pull1D
Entries 53
Mean −0.01772
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

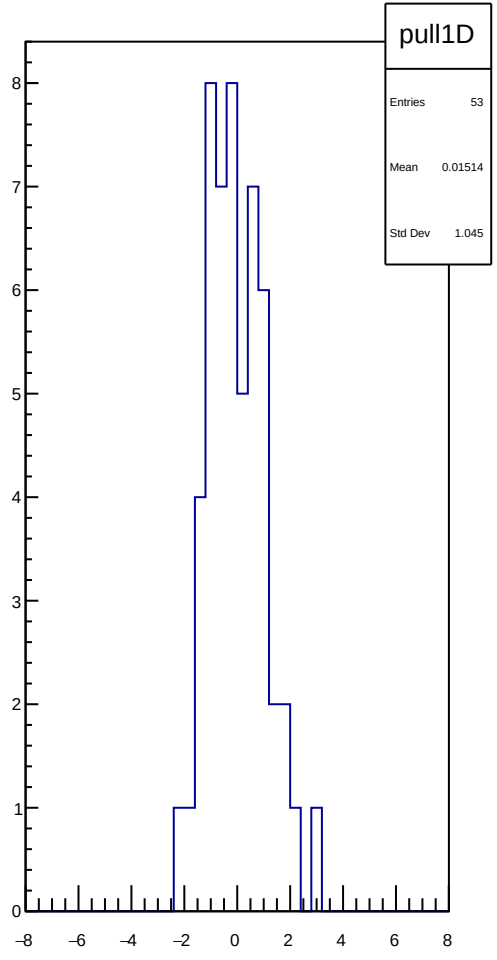

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 43.07 / 52
p0 1373 ± 1.372
1400
1390
1380
1370
1360
1350
1340

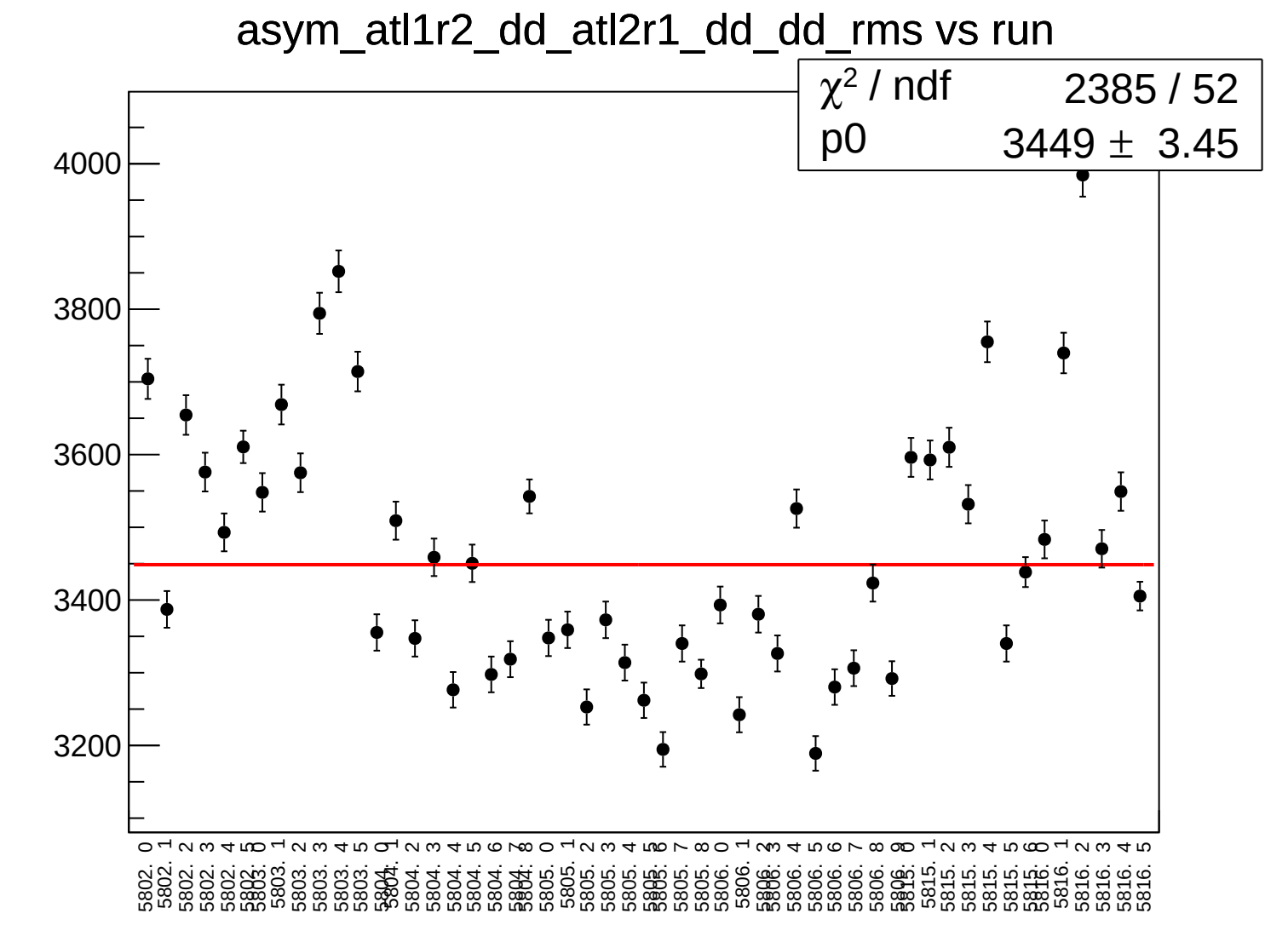

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.46 / 52
p0 2287 ± 4471
100
50
0
−50
−100
pull
Entries 53
Mean −59.93
Std Dev 0
2
1
0
−1
−2
−3

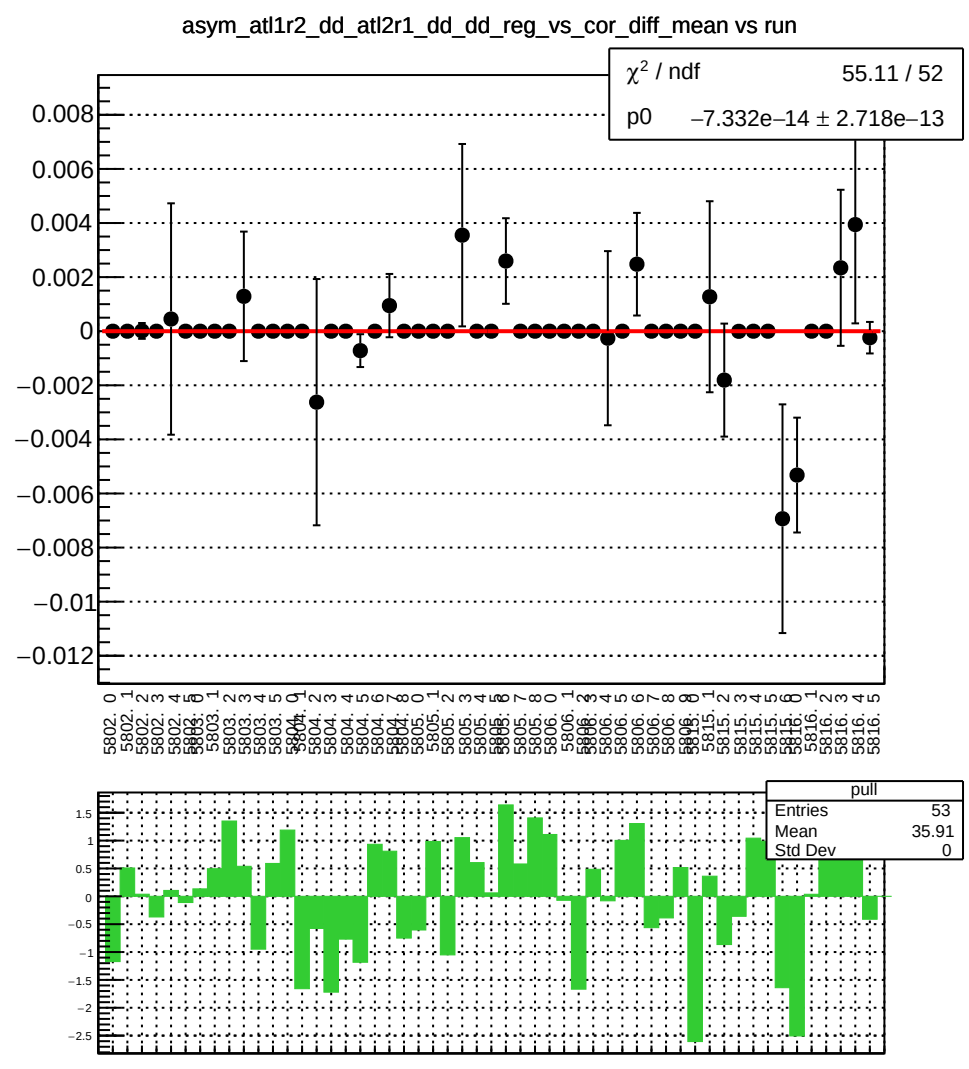

pull1D
Entries 53
Mean −0.0266
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

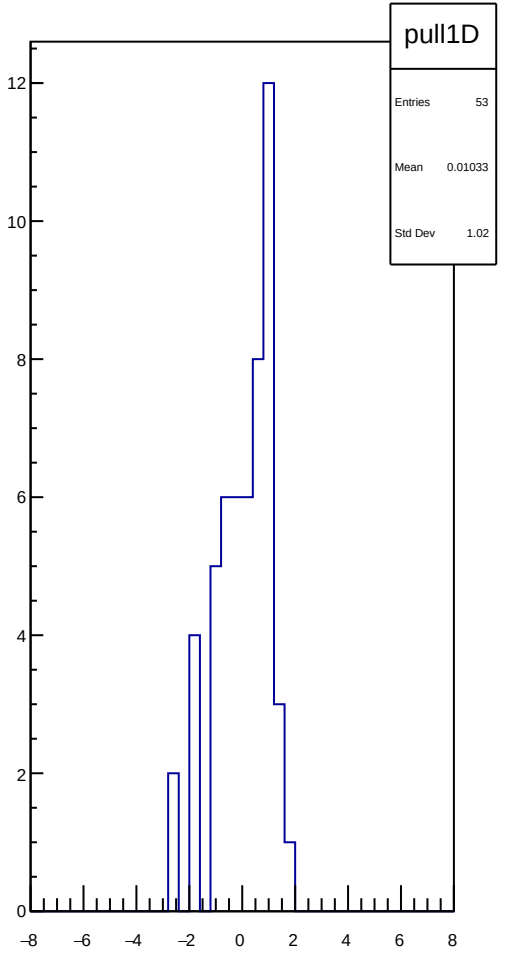

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4285 / 52
p0 3157 ± 3.161
3800
3600
3400
3200
3000
2800

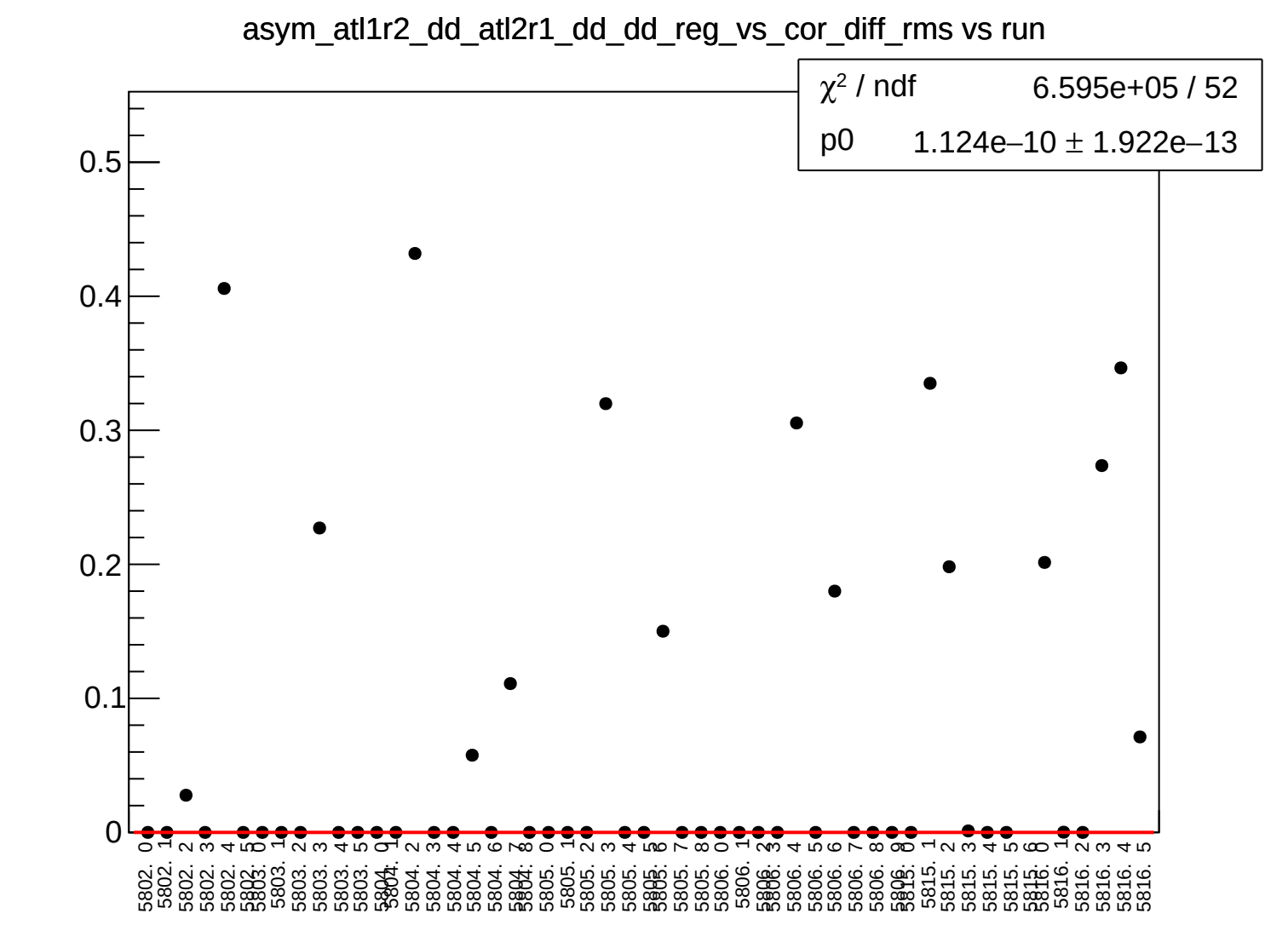

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 57.84 / 52
p0 −4705 ± 4879
150
100
50
0
−50
−100
pull
Entries 53
Mean −81.44
Std Dev 0
3
2
1
0
−1
−2

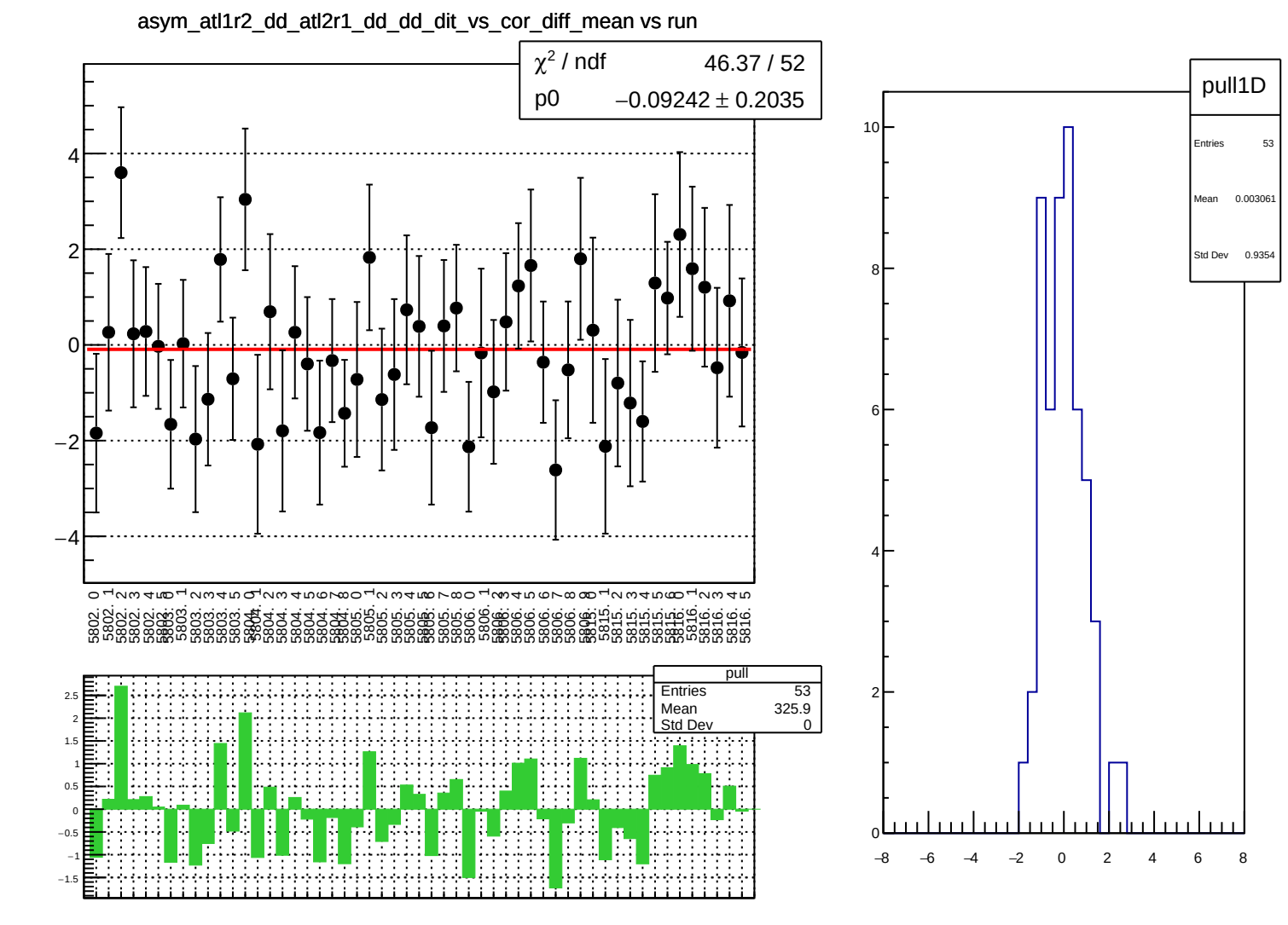

pull1D
Entries 53
Mean 0.01514
Std Dev 1.045
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

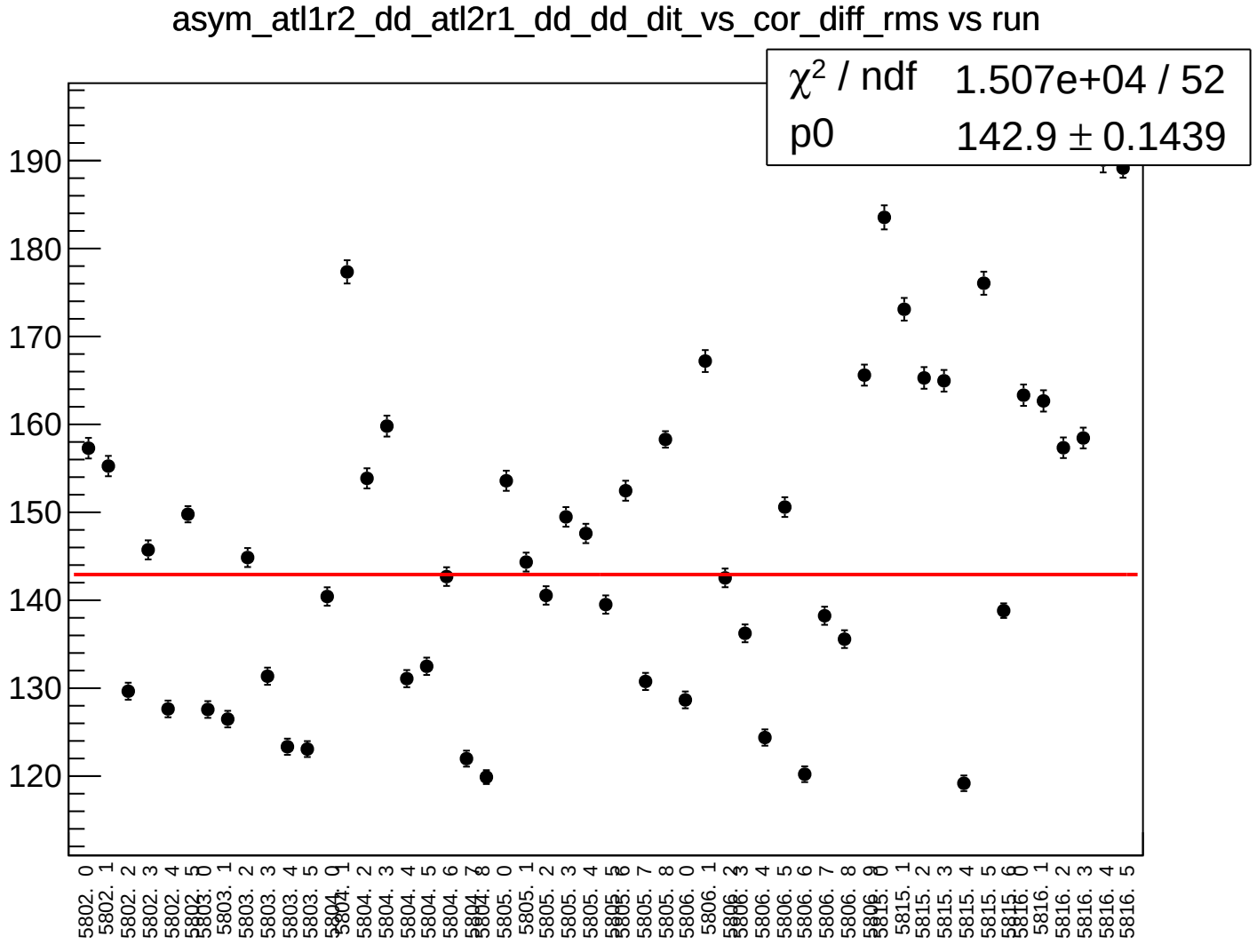

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2385 / 52
p0 3449 ± 3.45
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

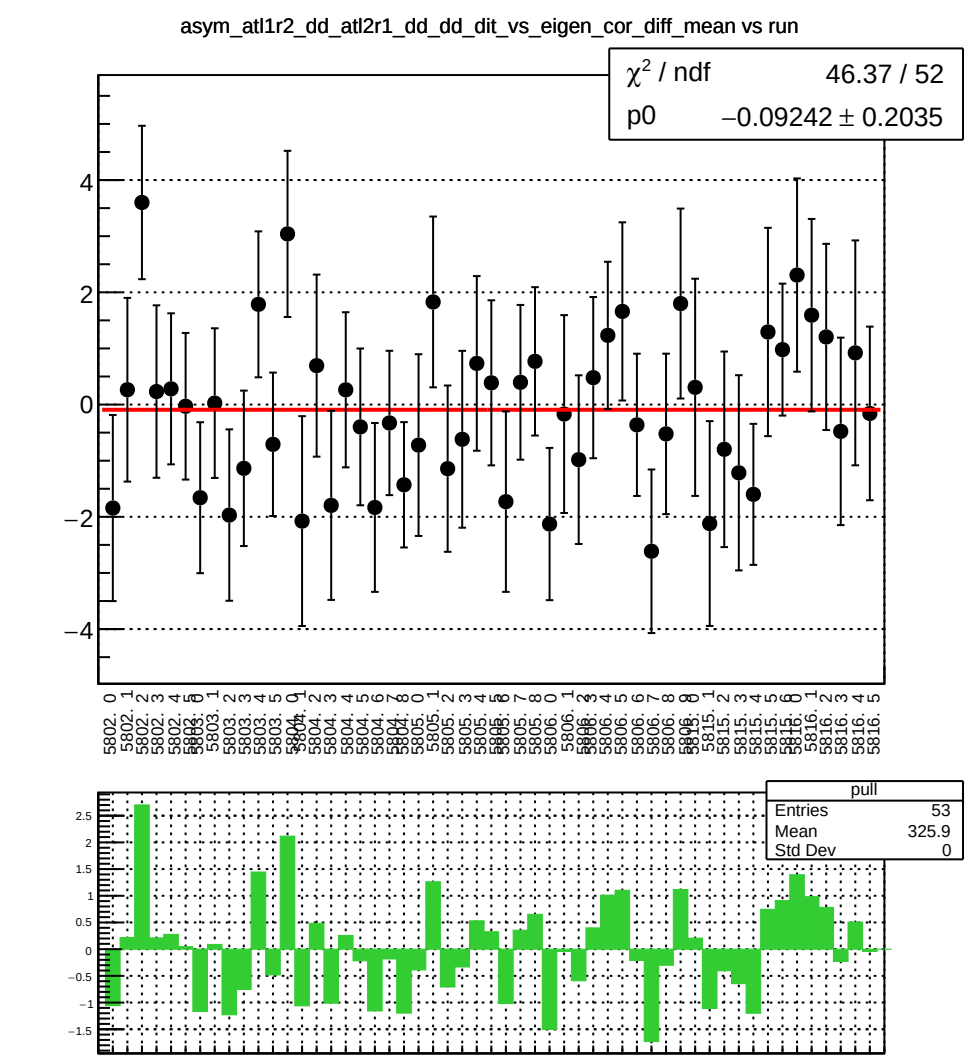

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.11 / 52
p0 −7.332e−14 ± 2.718e−13
pull
Entries 53
Mean 35.91
Std Dev 0

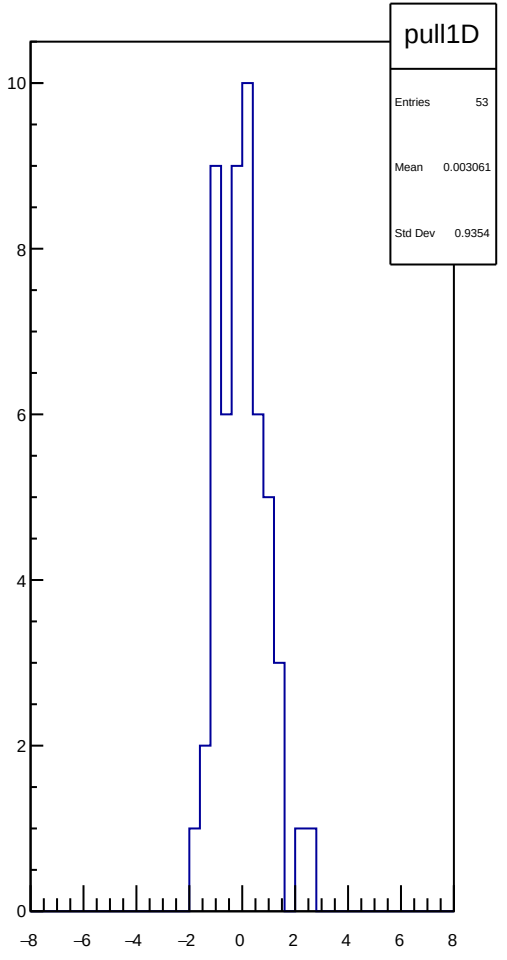

pull1D
Entries 53
Mean 0.01033
Std Dev 1.02

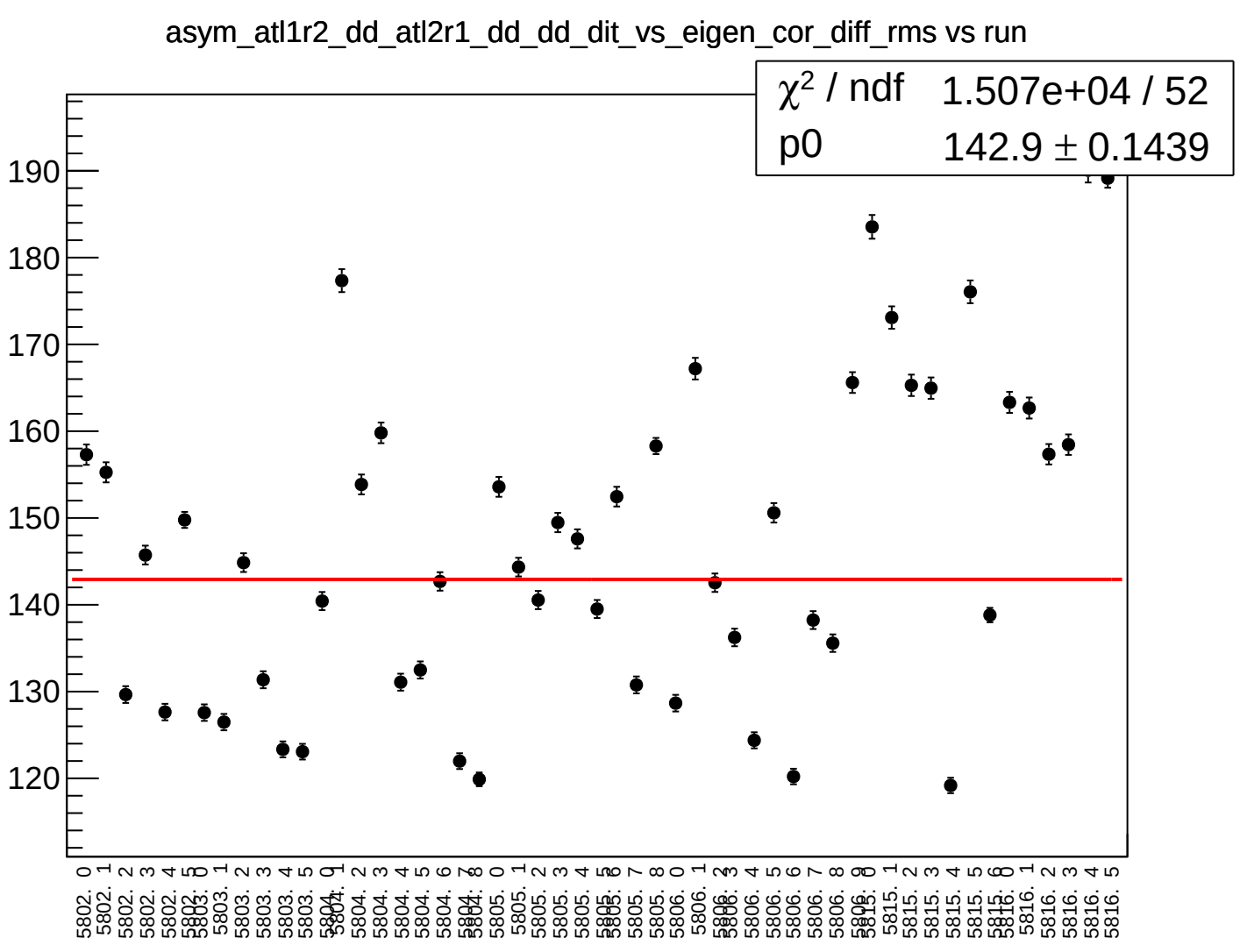

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 52
p0 1.124e−10 ± 1.922e−13
0.5
0.4
0.3
0.2
0.1
0

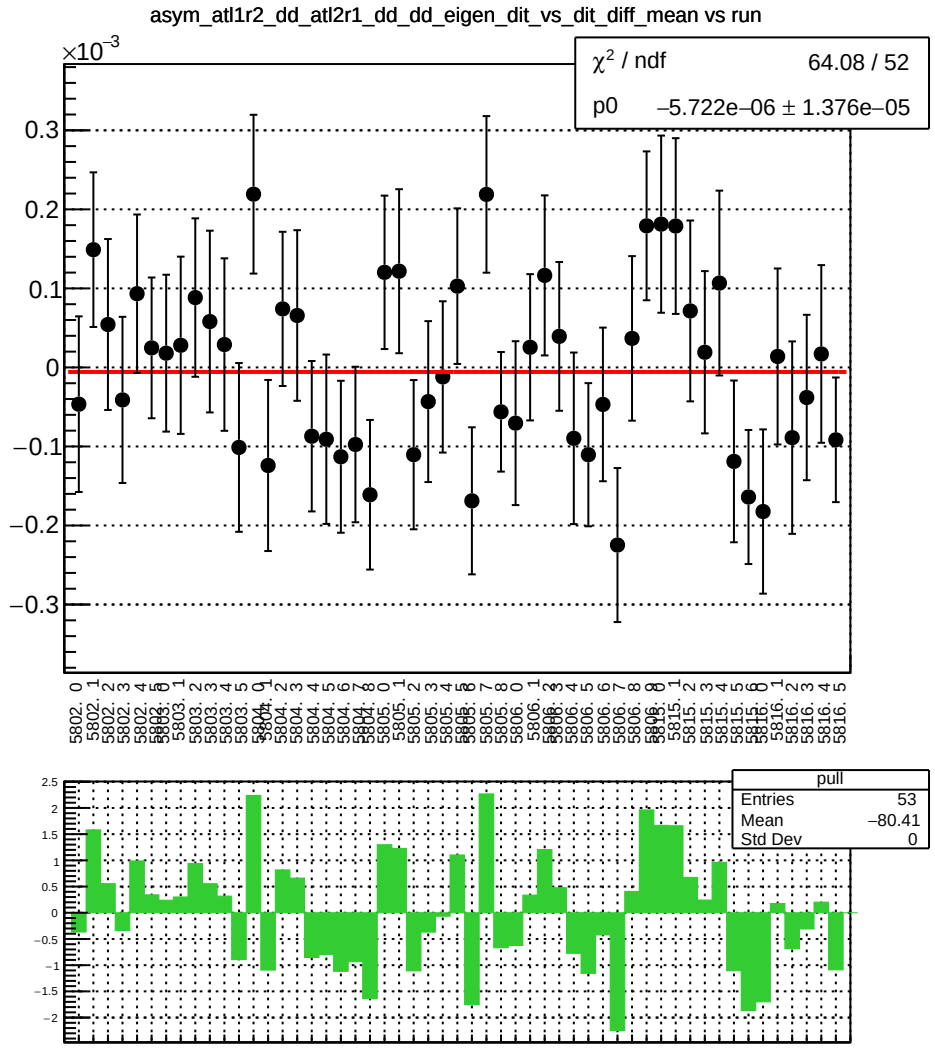

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0
pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

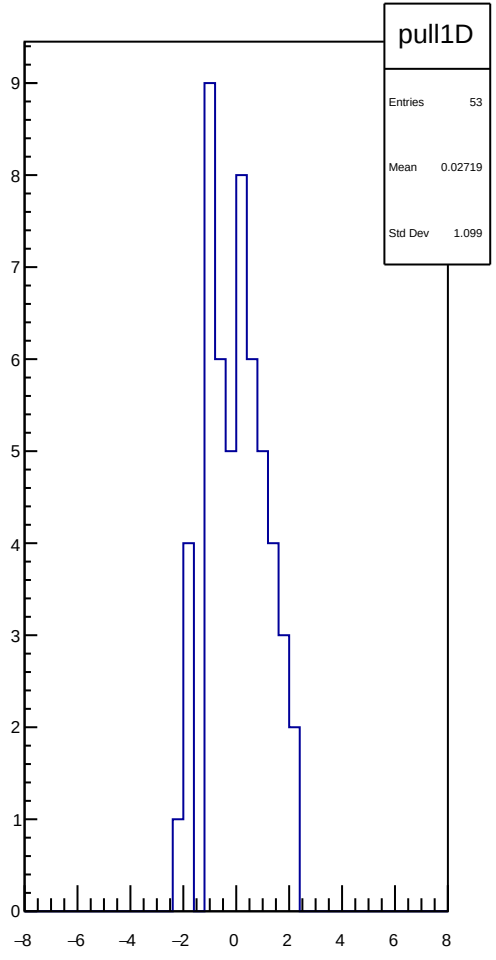

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

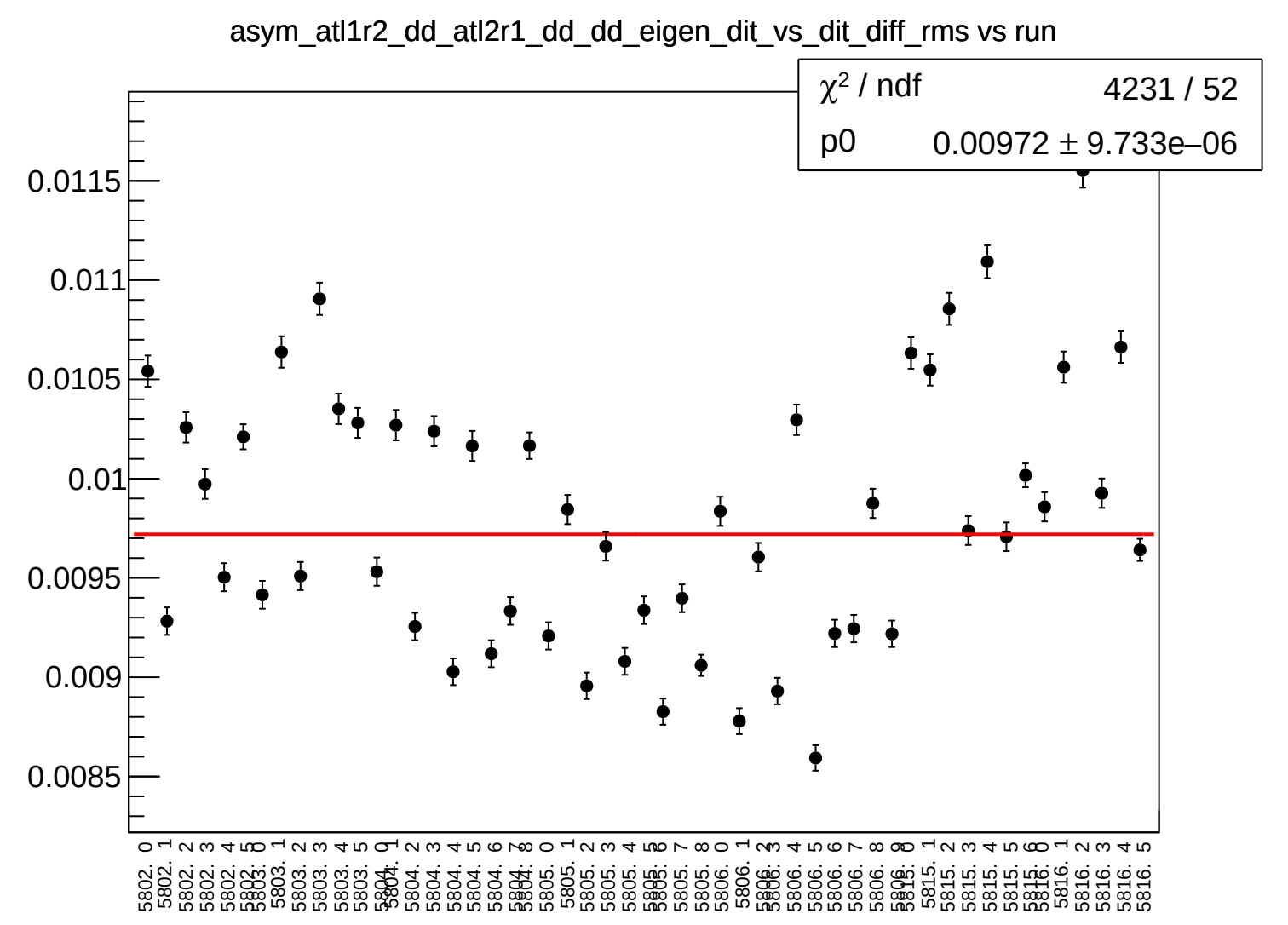

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.9
Std Dev 0

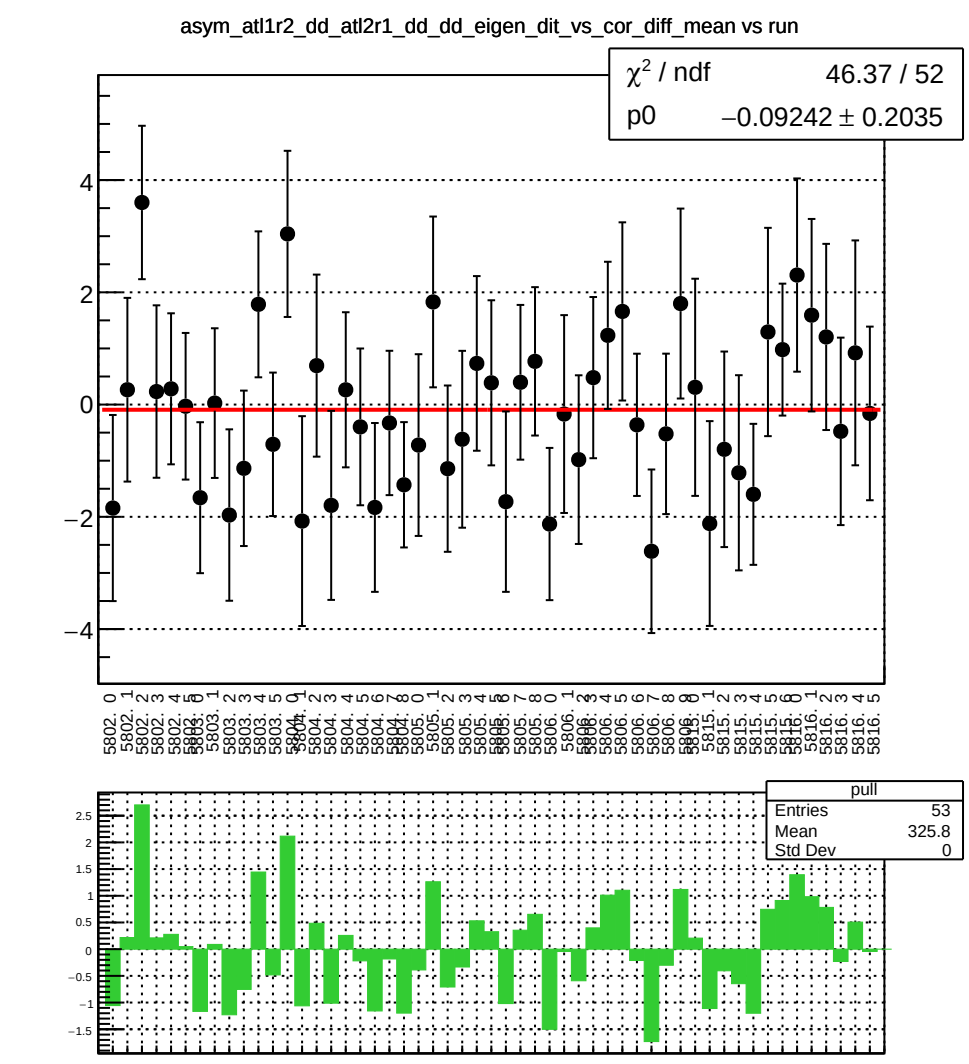

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

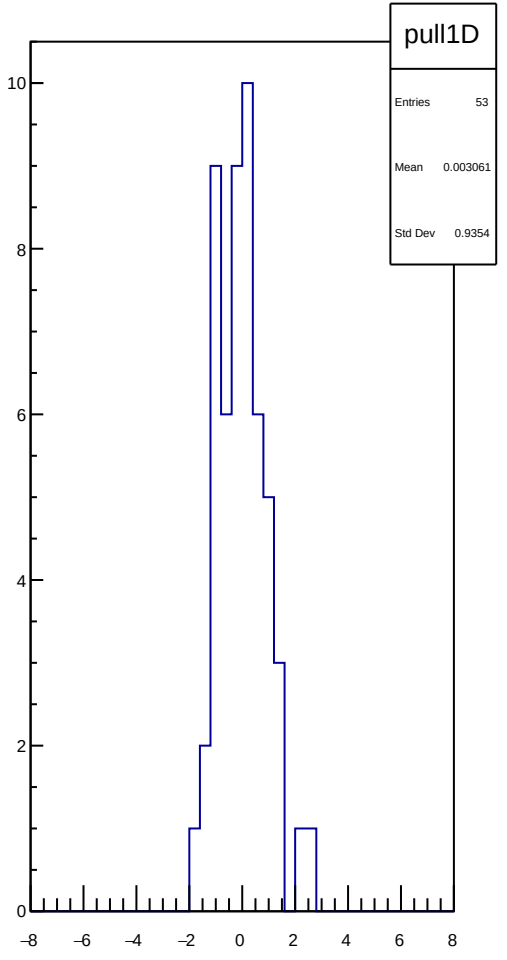

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

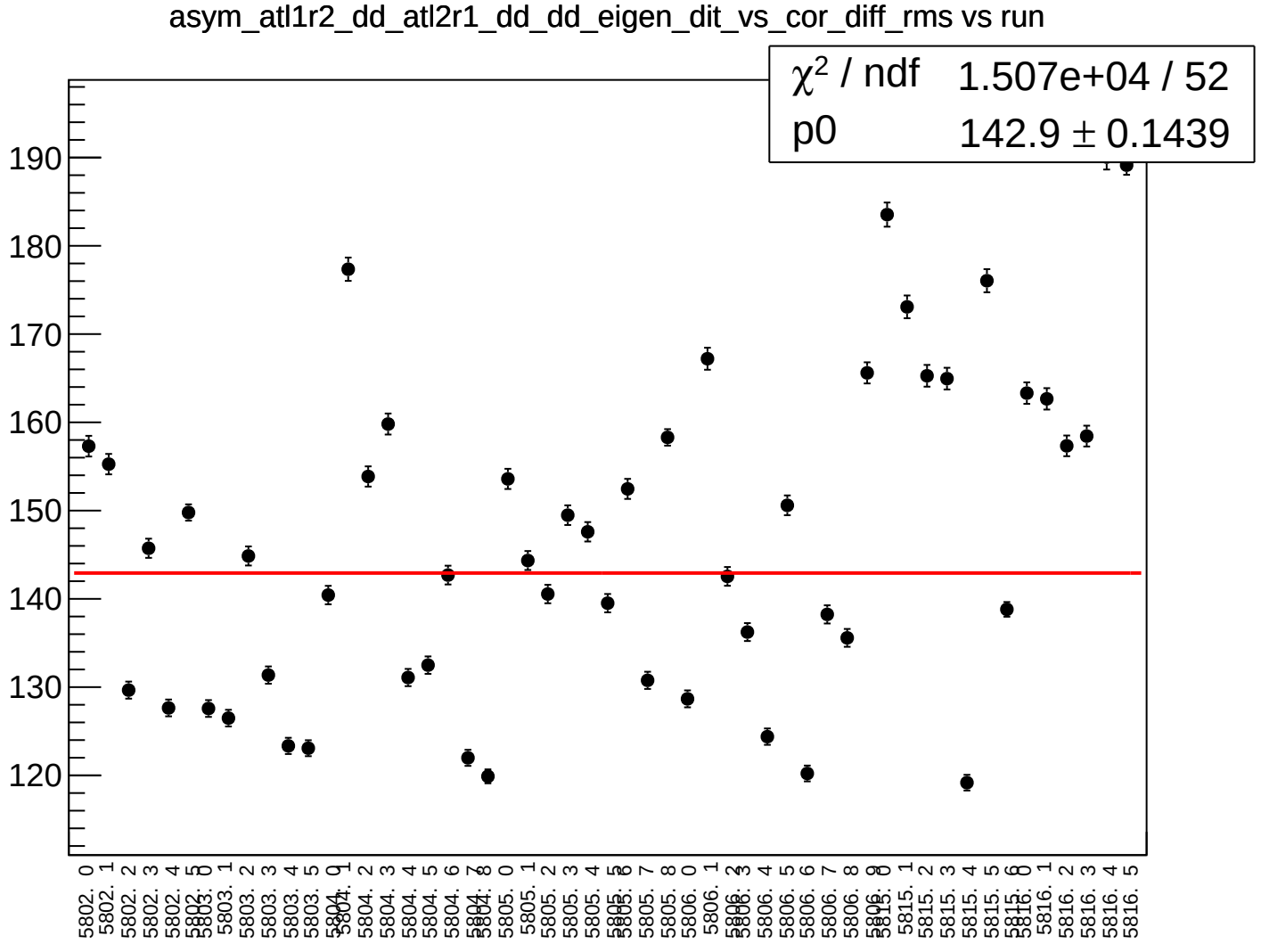

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.08 / 52
p0 −5.722e−06 ± 1.376e−05
pull
Entries 53
Mean −80.41
Std Dev 0

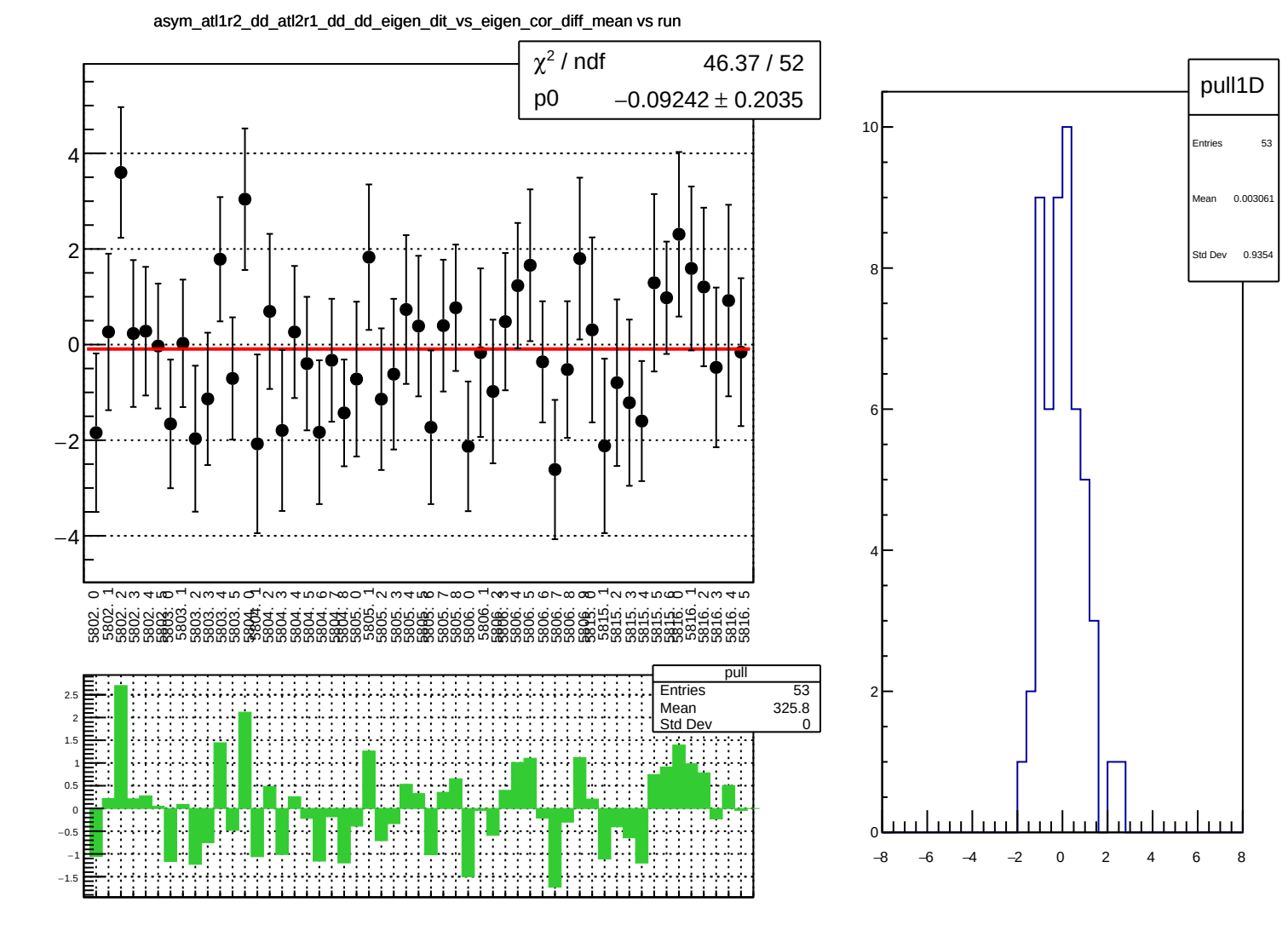

pull1D
Entries 53
Mean 0.02719
Std Dev 1.099

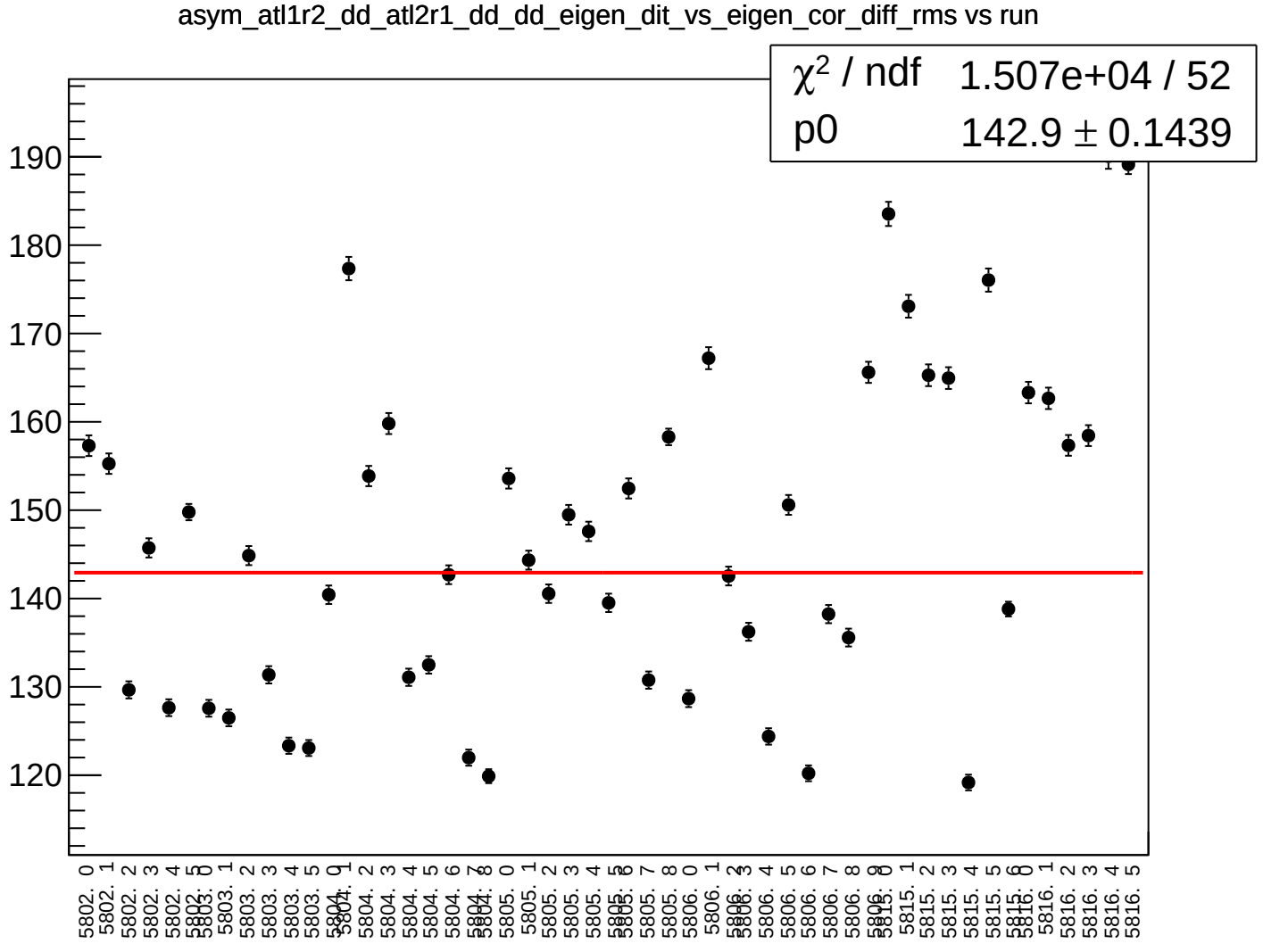

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4231 / 52
p0 0.00972 ± 9.733e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

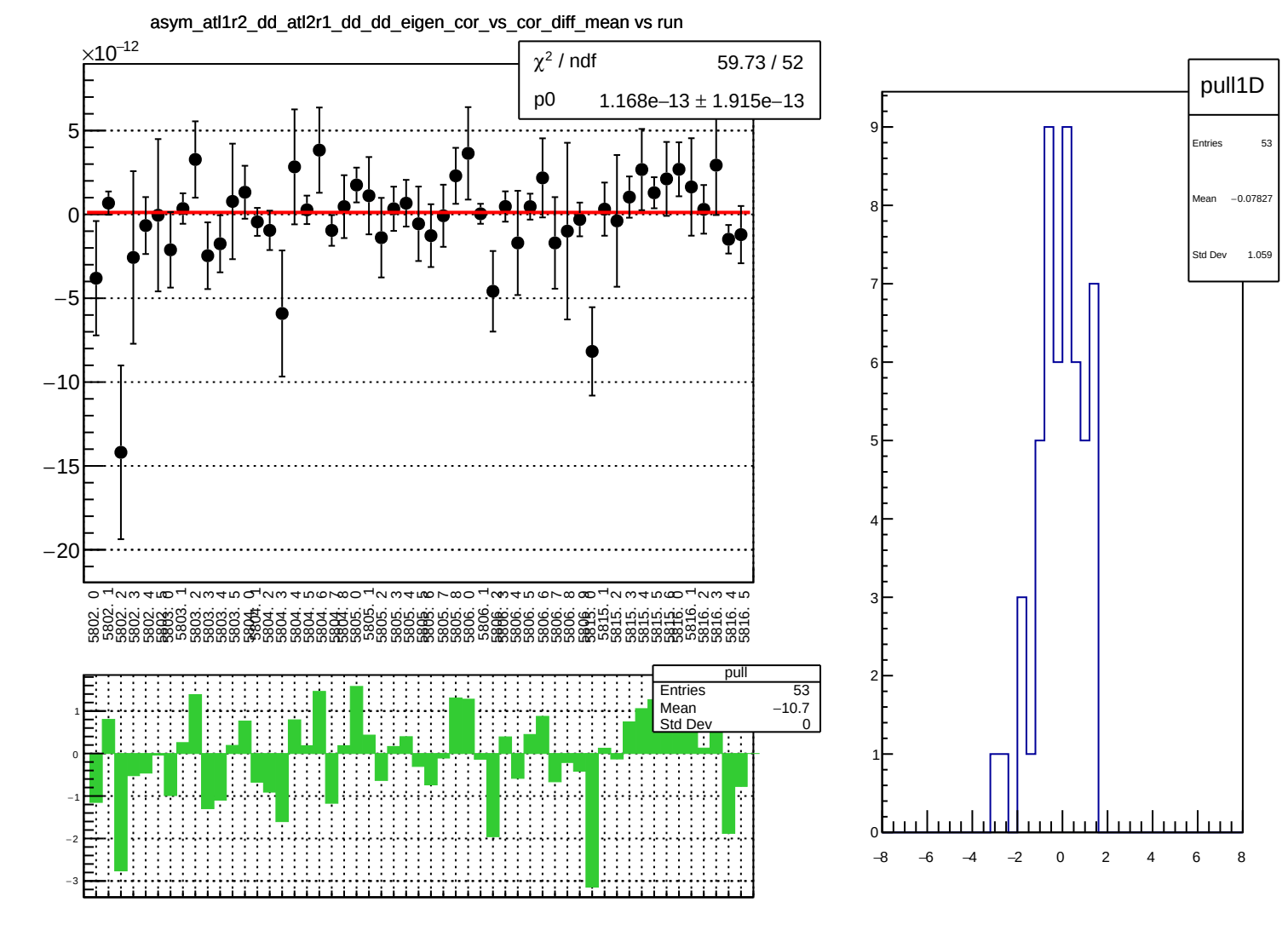

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0

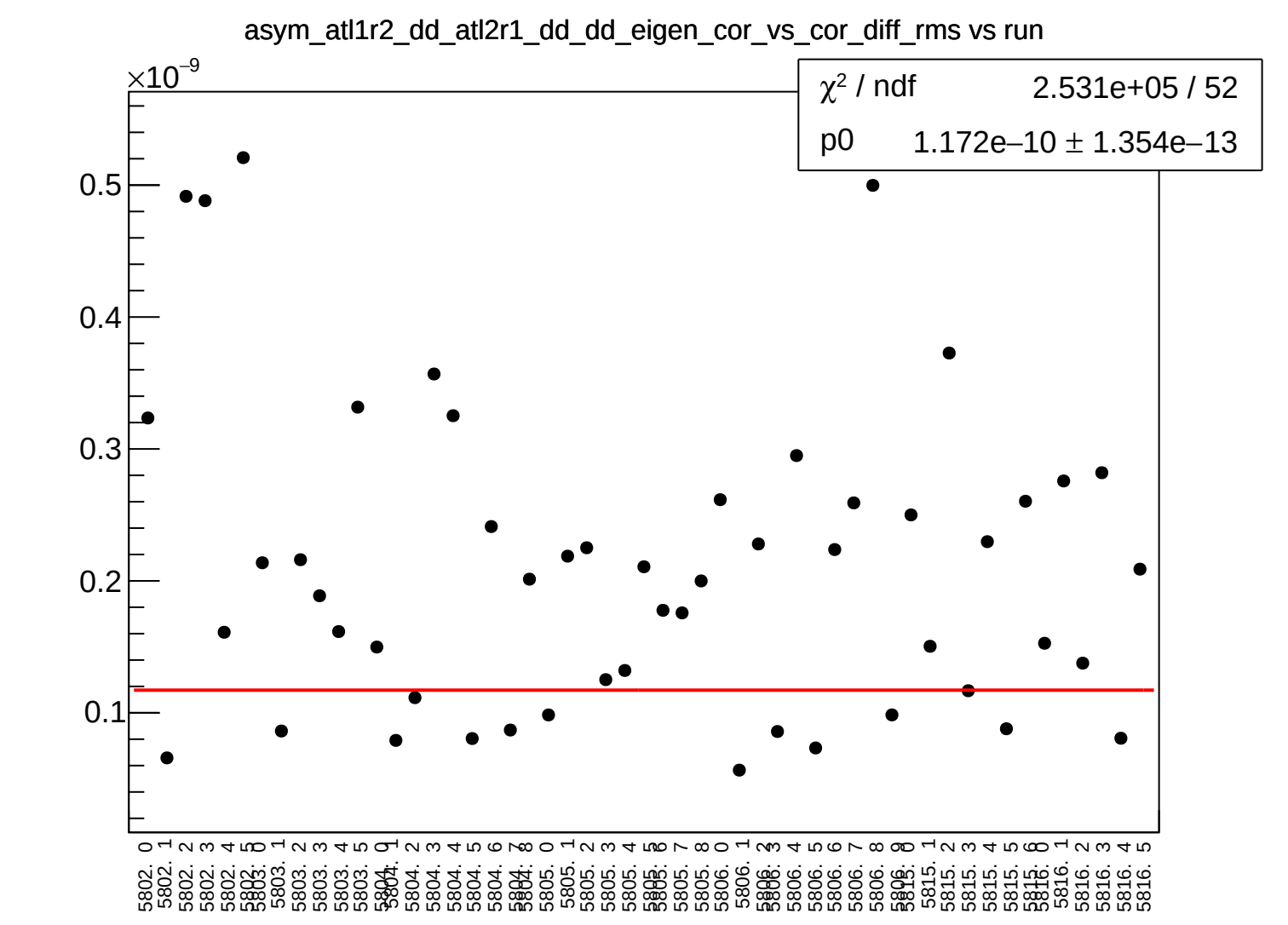

pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

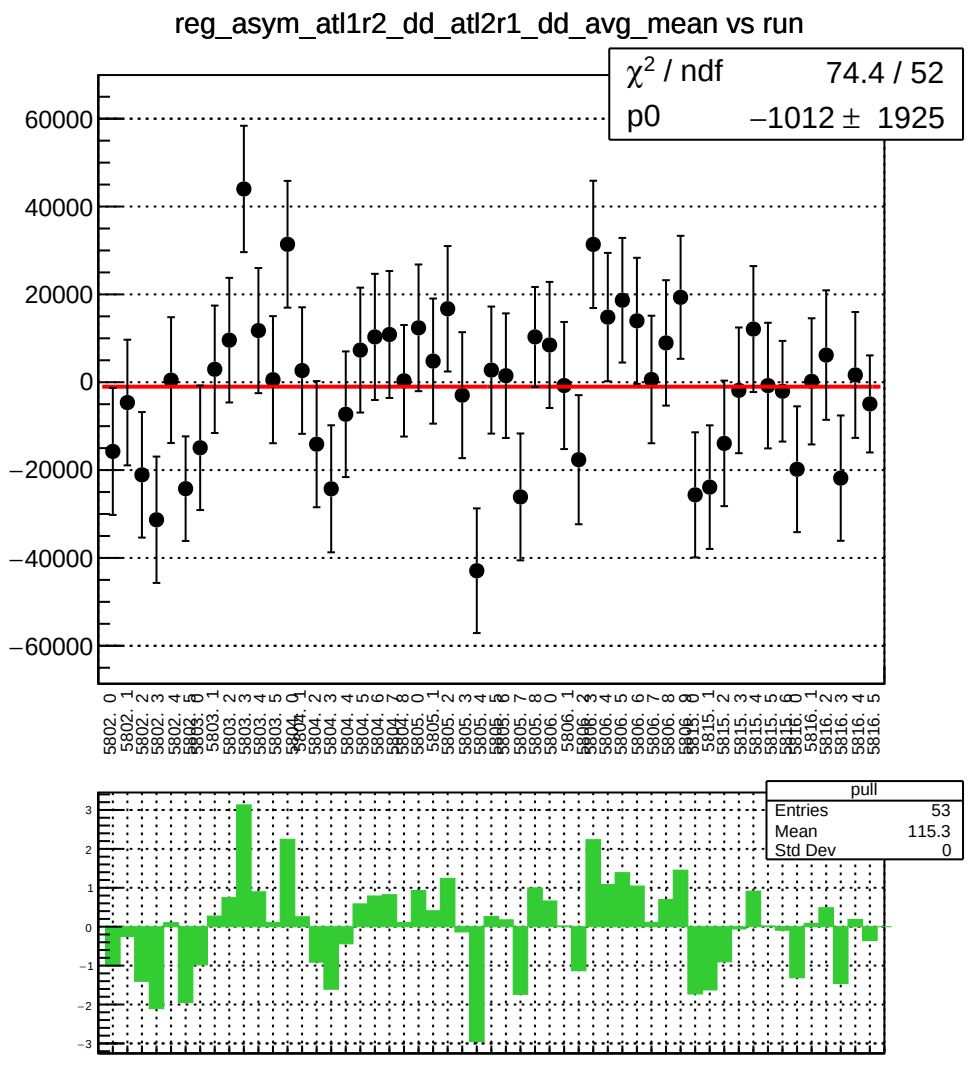

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

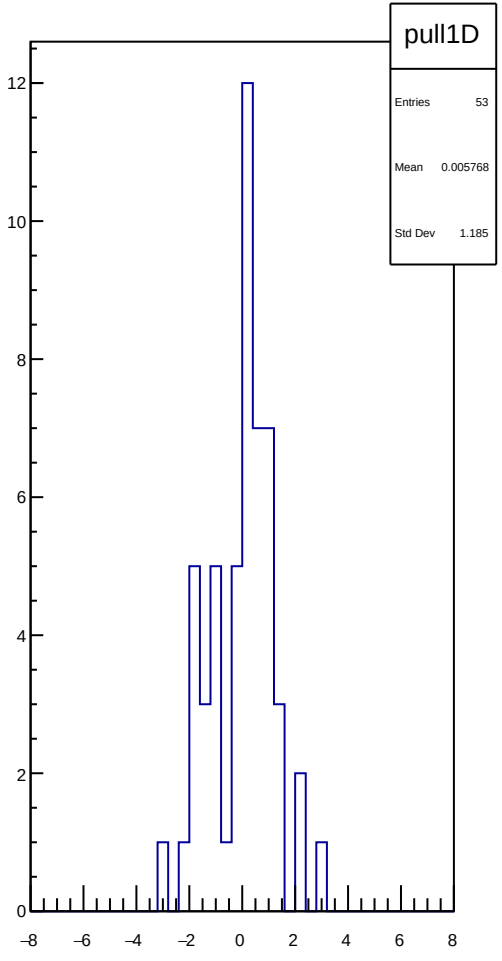

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.37 / 52
p0 −0.09242 ± 0.2035
pull
Entries 53
Mean 325.8
Std Dev 0
pull1D
Entries 53
Mean 0.003061
Std Dev 0.9354

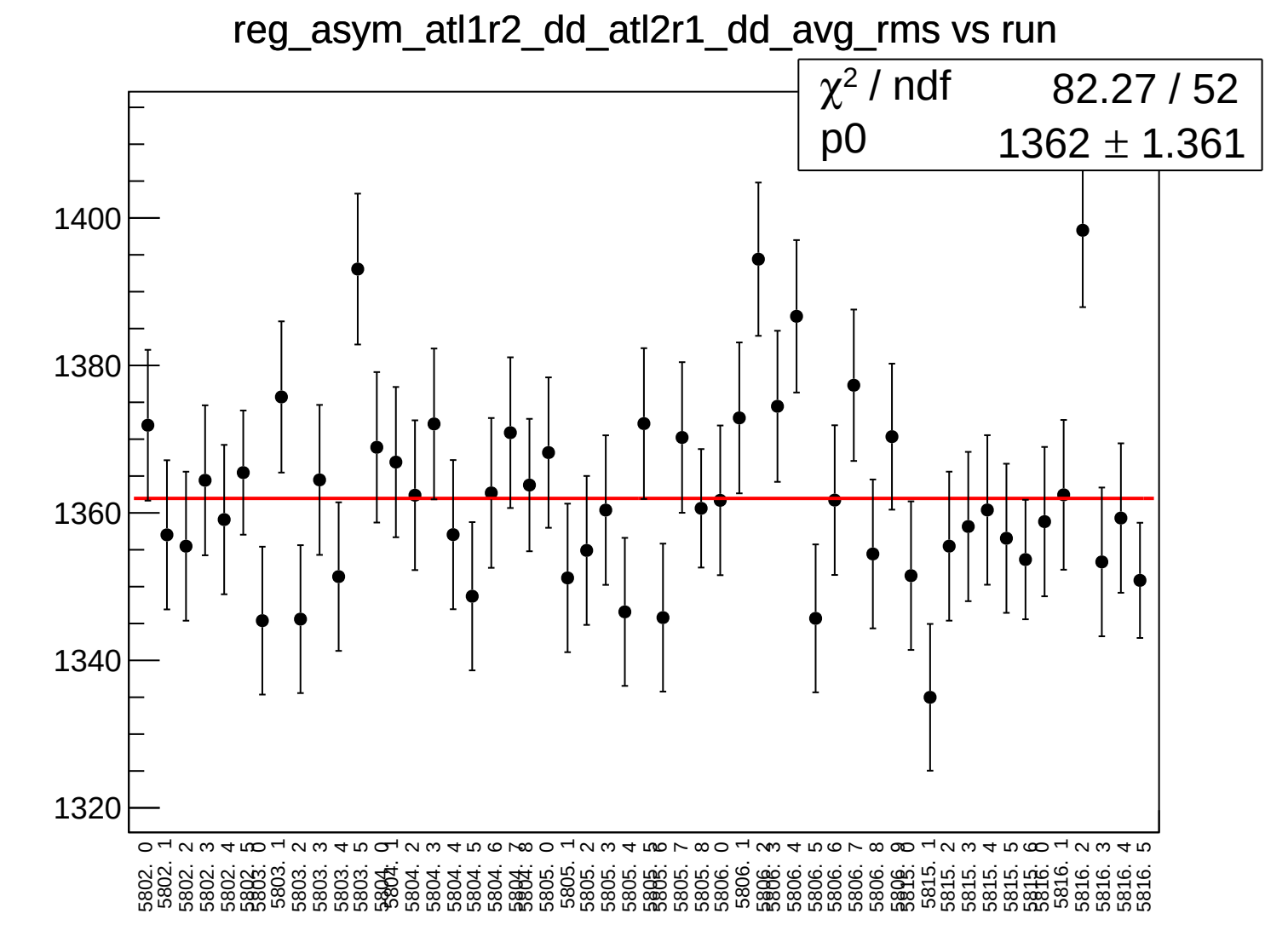

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.507e+04 / 52
p0 142.9 ± 0.1439
190
180
170
160
150
140
130
120

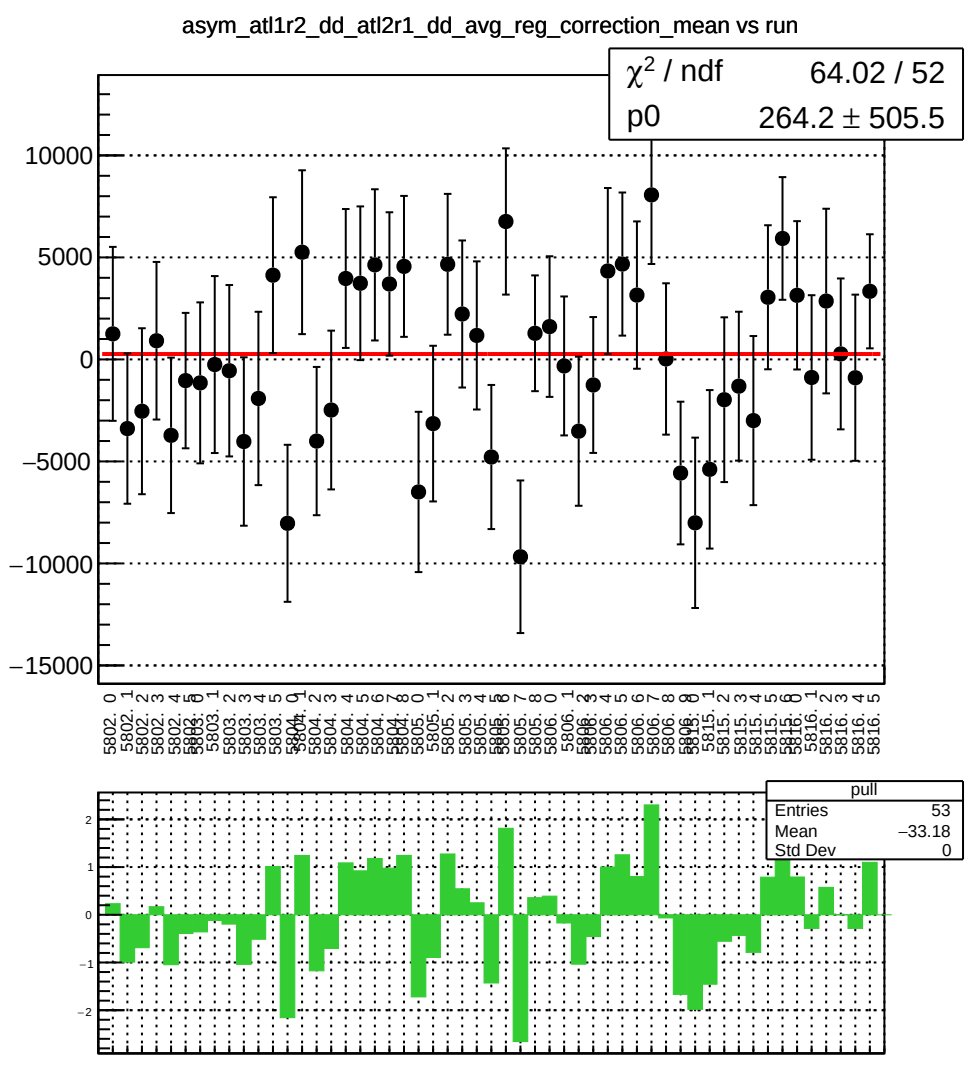

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 59.73 / 52
p0 1.168e−13 ± 1.915e−13
pull
Entries 53
Mean −10.7
Std Dev 0
pull1D
Entries 53
Mean −0.07827
Std Dev 1.059

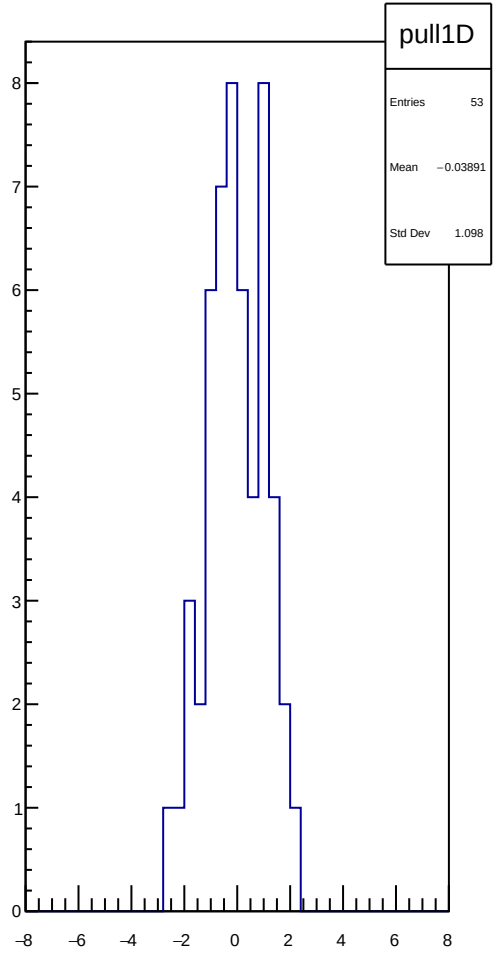

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.531e+05 / 52
p0 1.172e−10 ± 1.354e−13
0.5
0.4
0.3
0.2
0.1

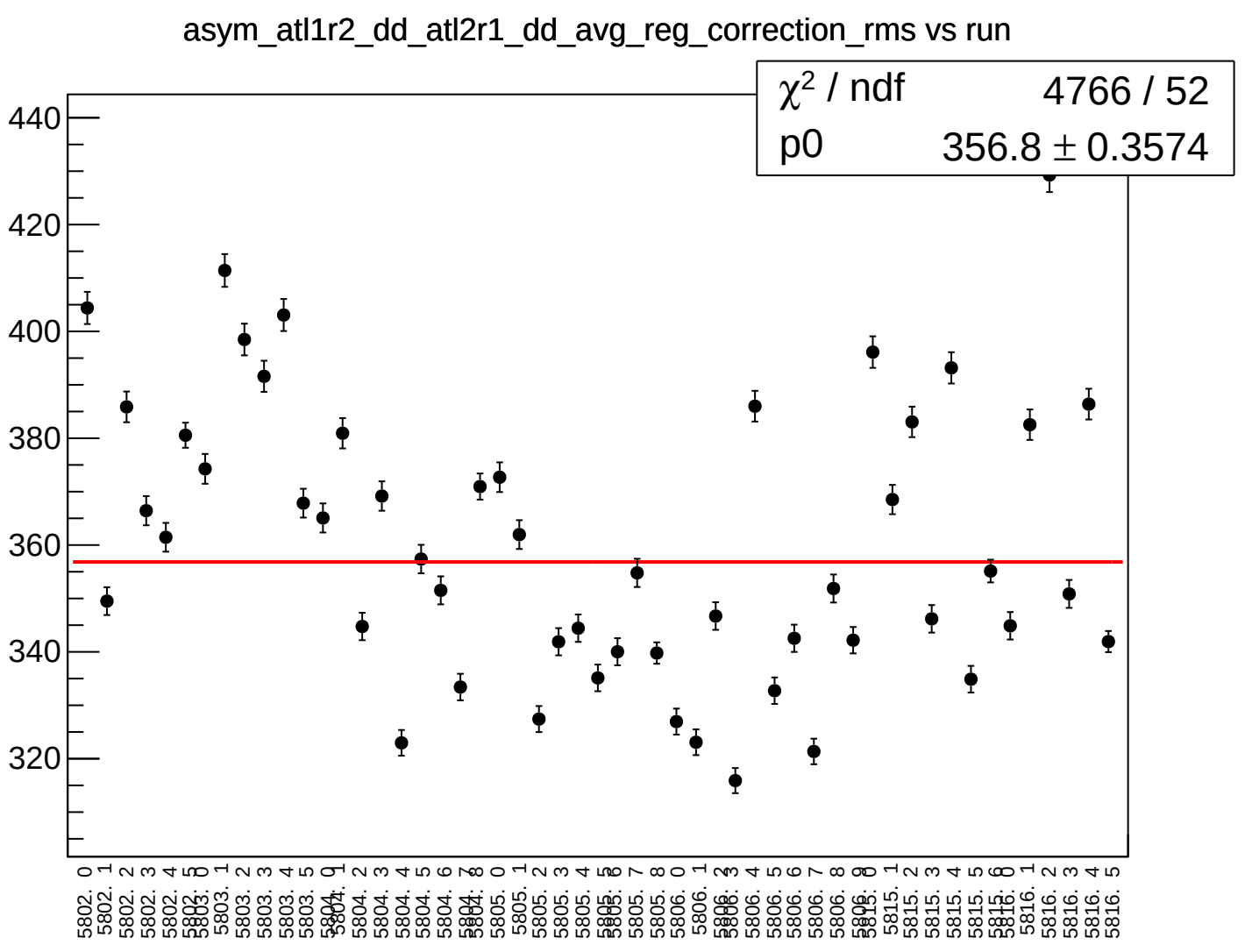

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 74.4 / 52
p0 −1012 ± 1925
pull
Entries 53
Mean 115.3
Std Dev 0

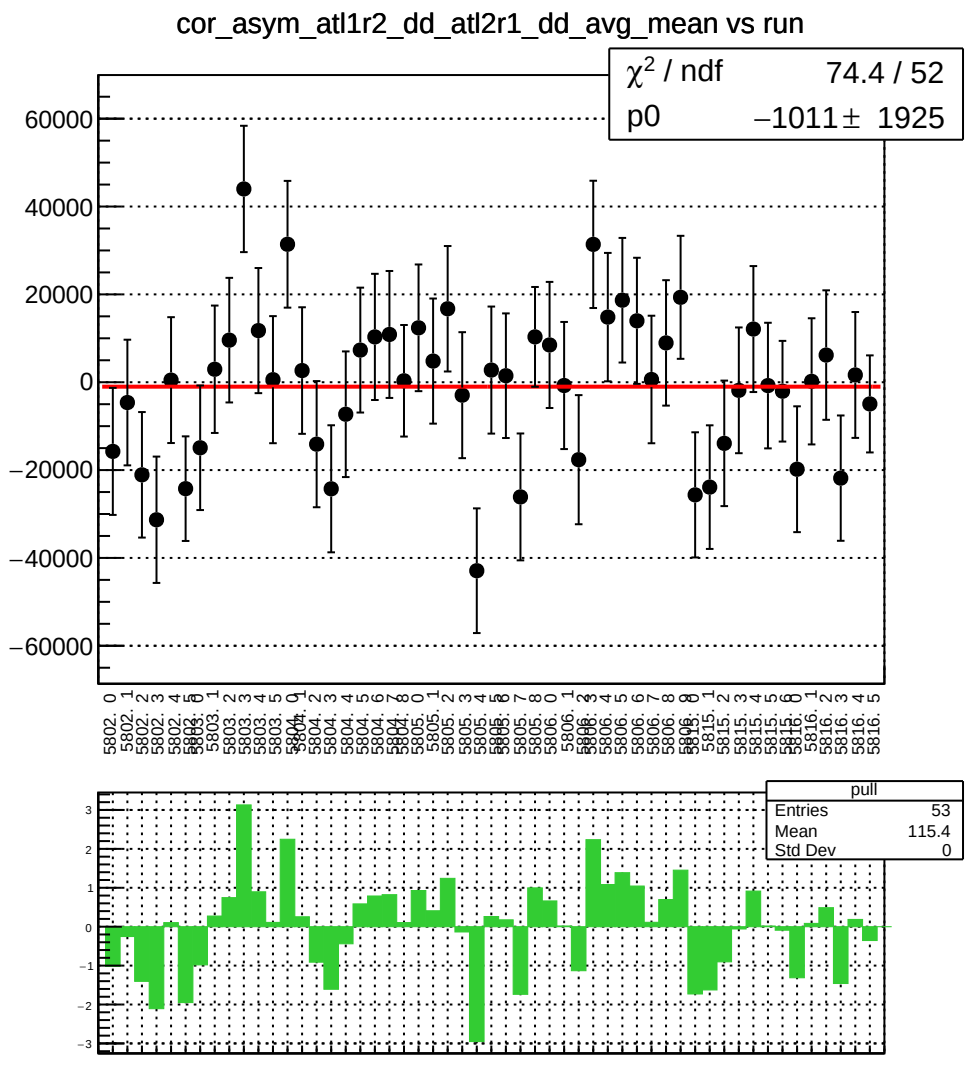

pull1D
Entries 53
Mean 0.005768
Std Dev 1.185

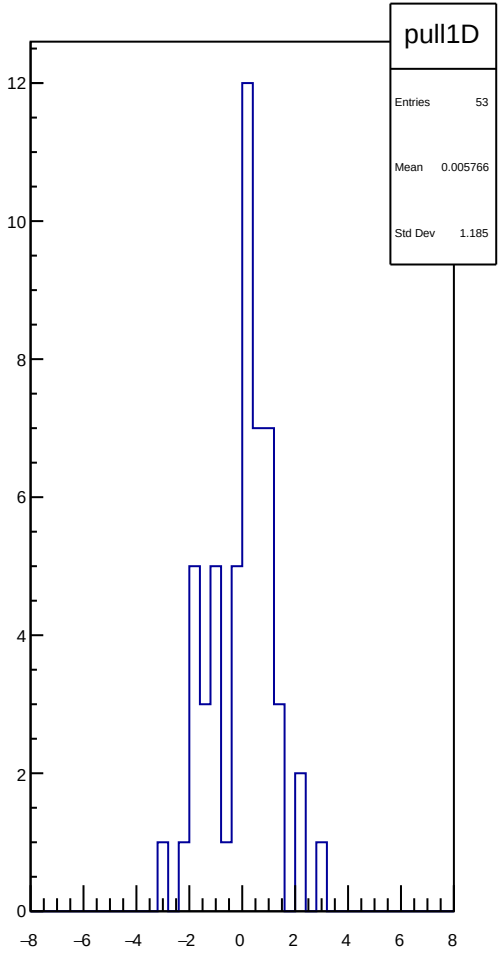

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320

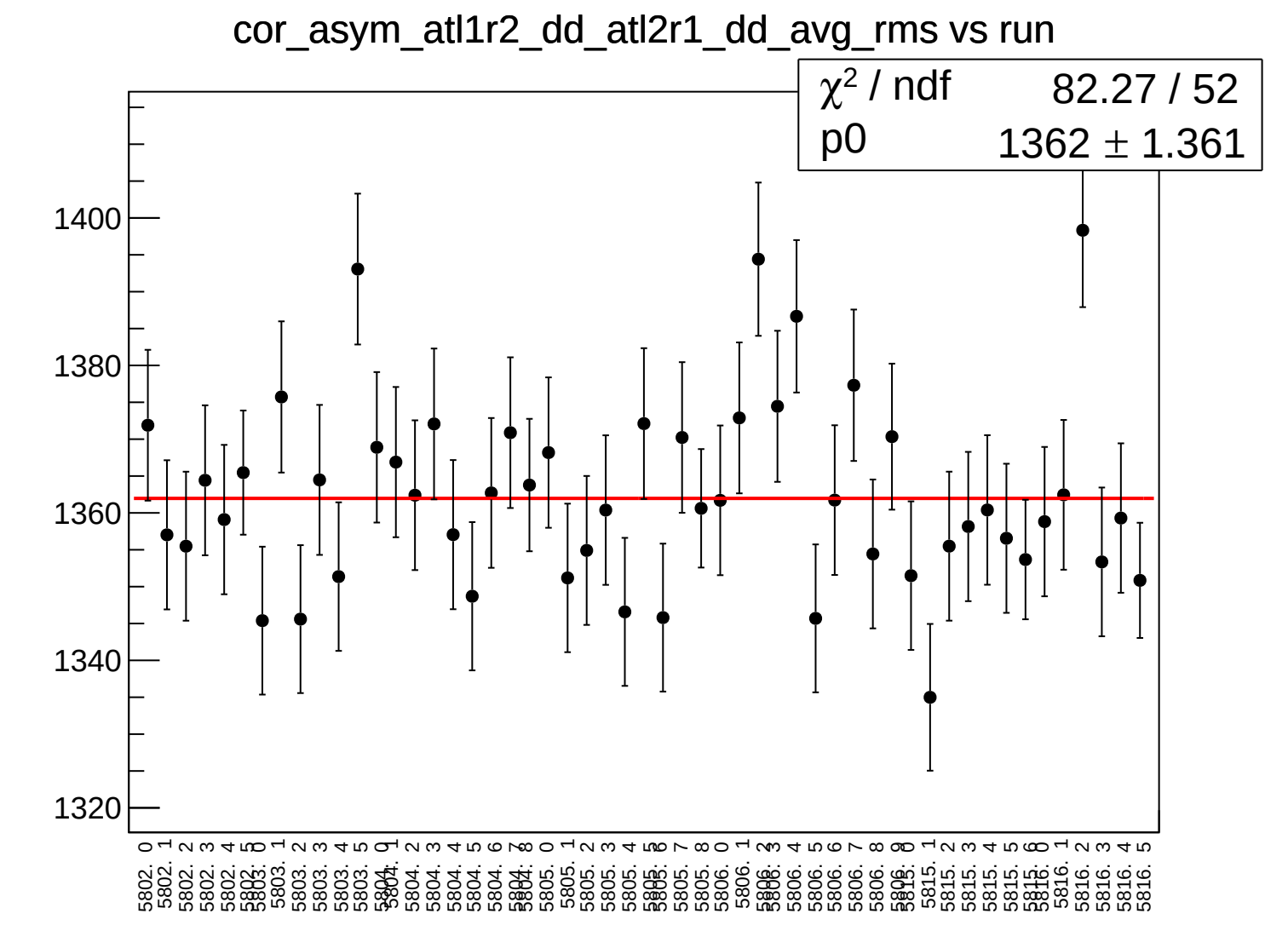

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.2 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.18
Std Dev 0
2
1
0
−1
−2

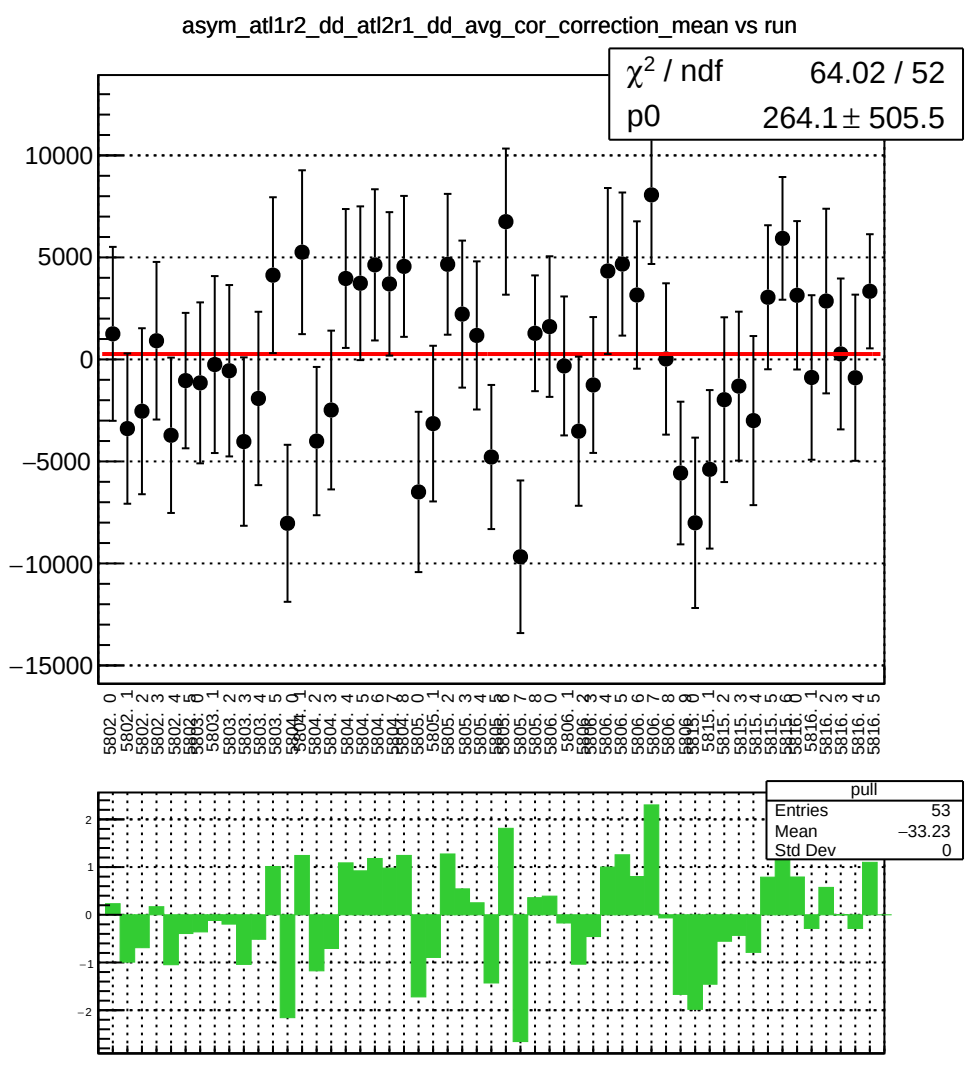

pull1D
Entries 53
Mean −0.03891
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

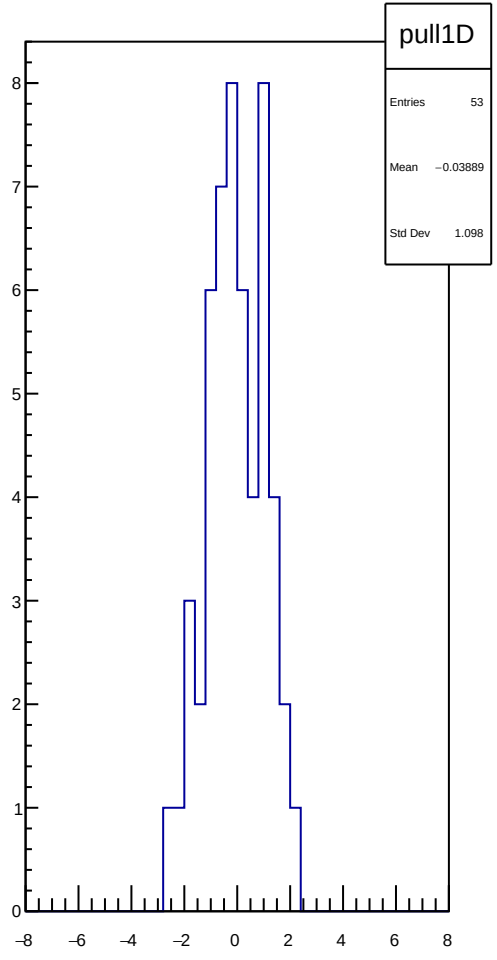

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 4766 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

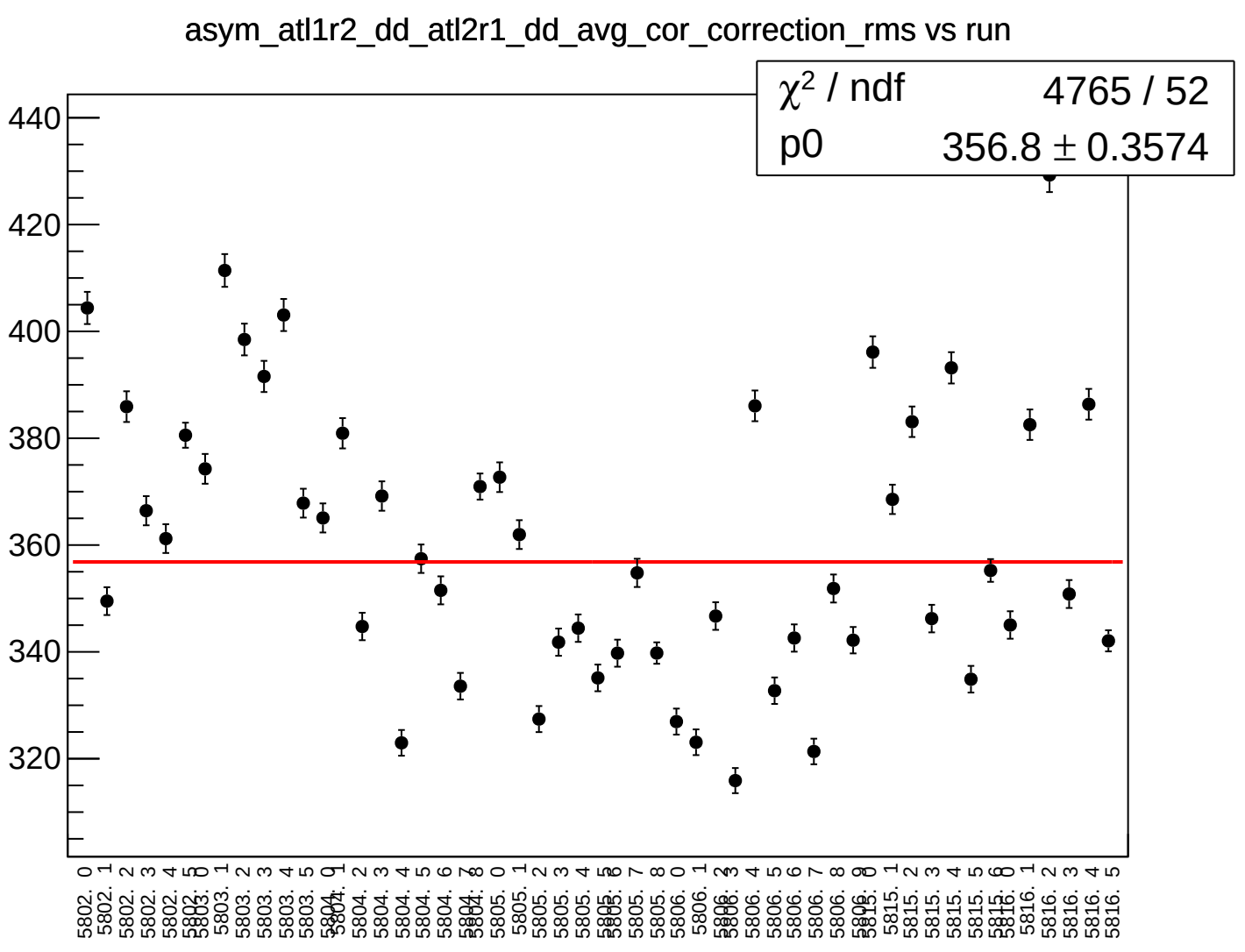

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 74.4 / 52
p0 −1011 ± 1925
pull
Entries 53
Mean 115.4
Std Dev 0

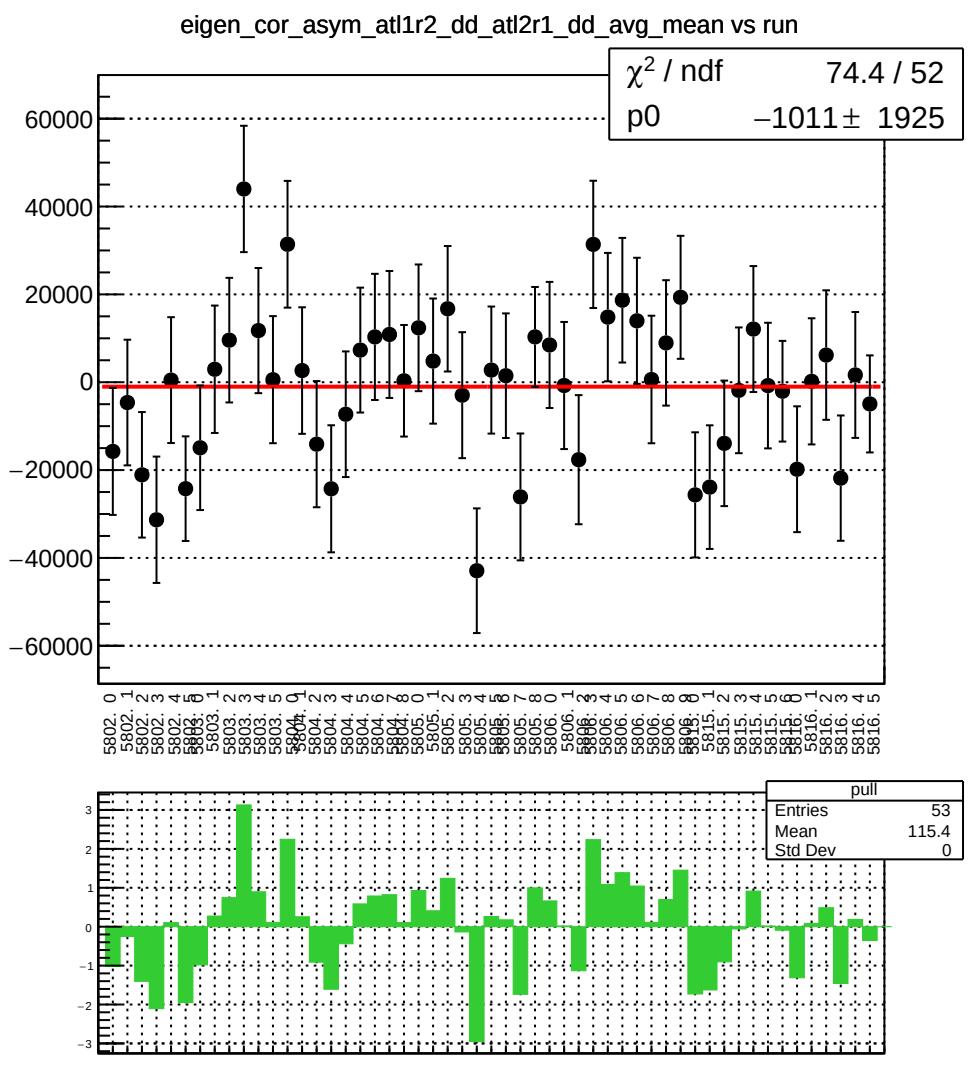

pull1D
Entries 53
Mean 0.005766
Std Dev 1.185

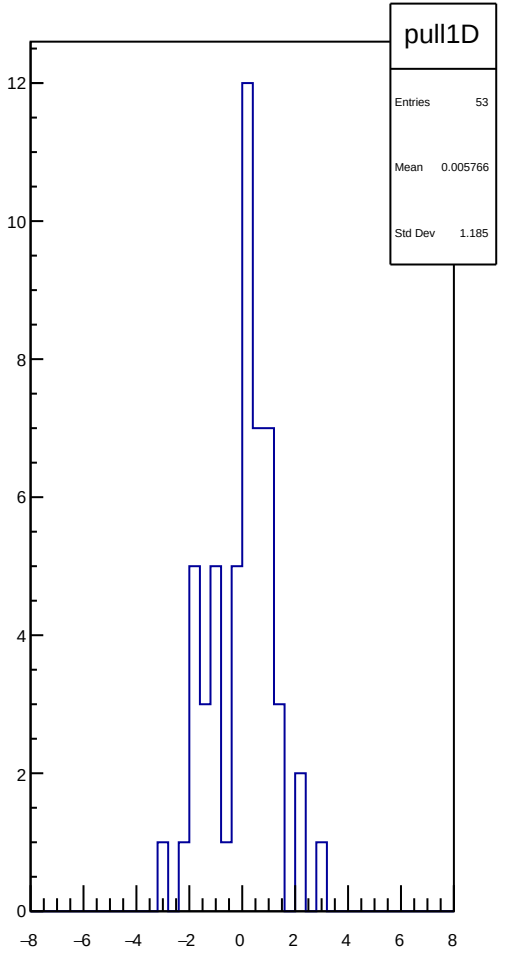

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320

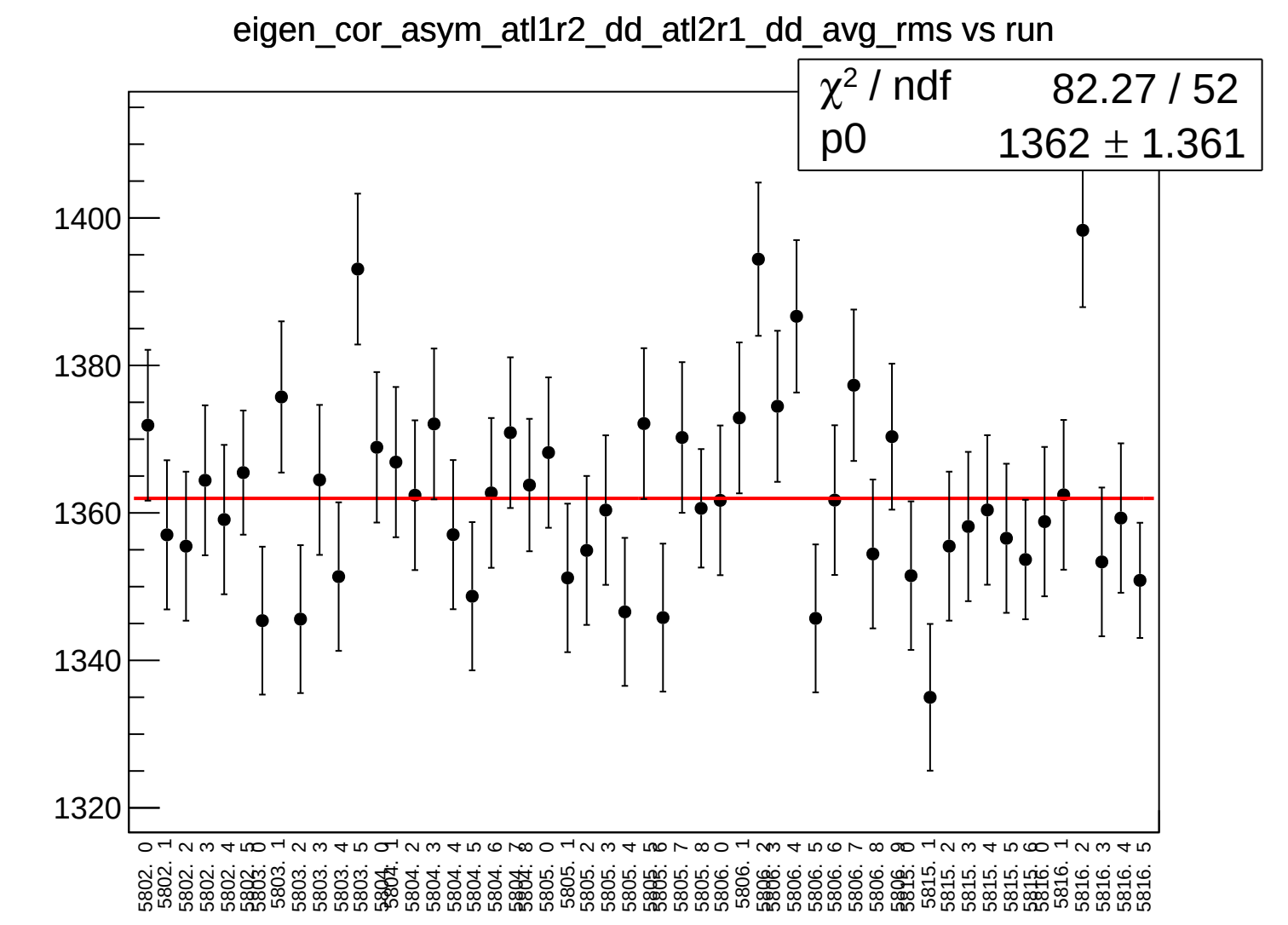

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.1 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.23
Std Dev 0
2
1
0
−1
−2

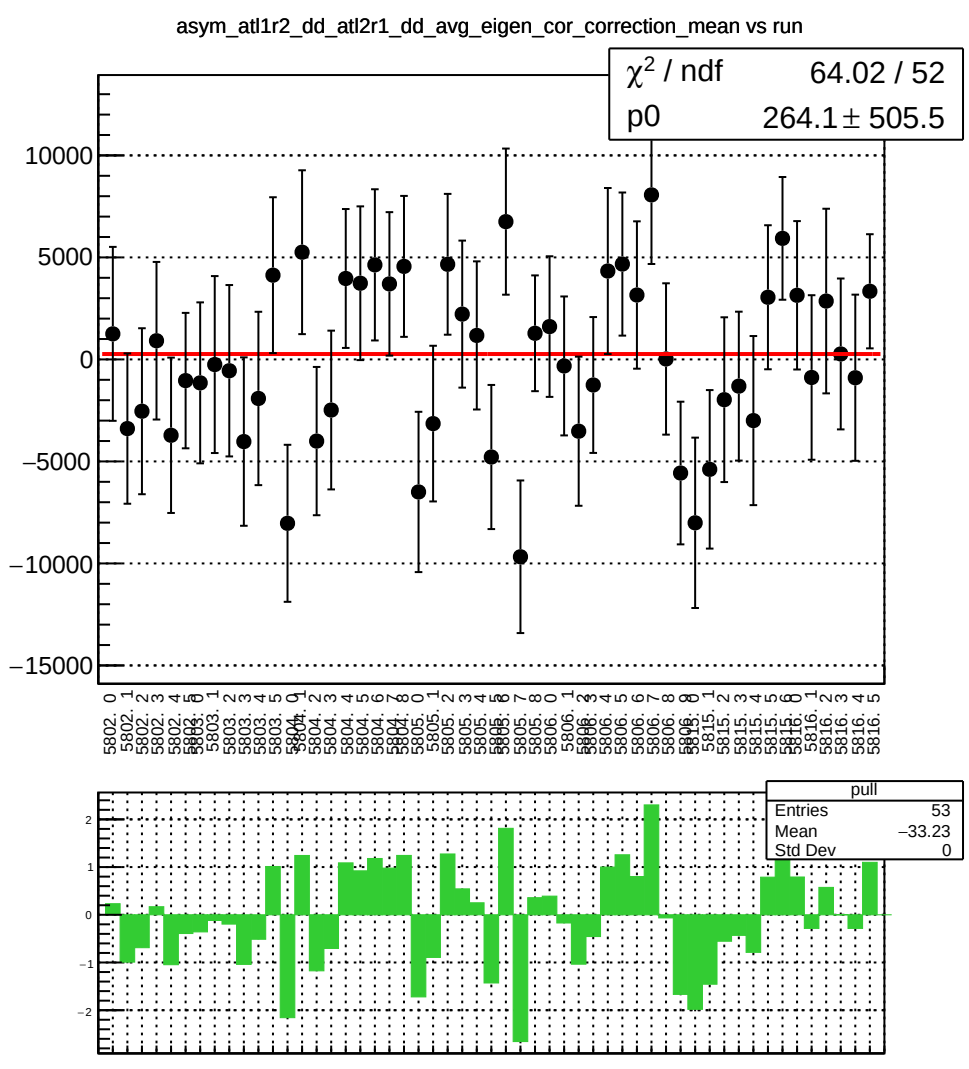

pull1D
Entries 53
Mean −0.03889
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

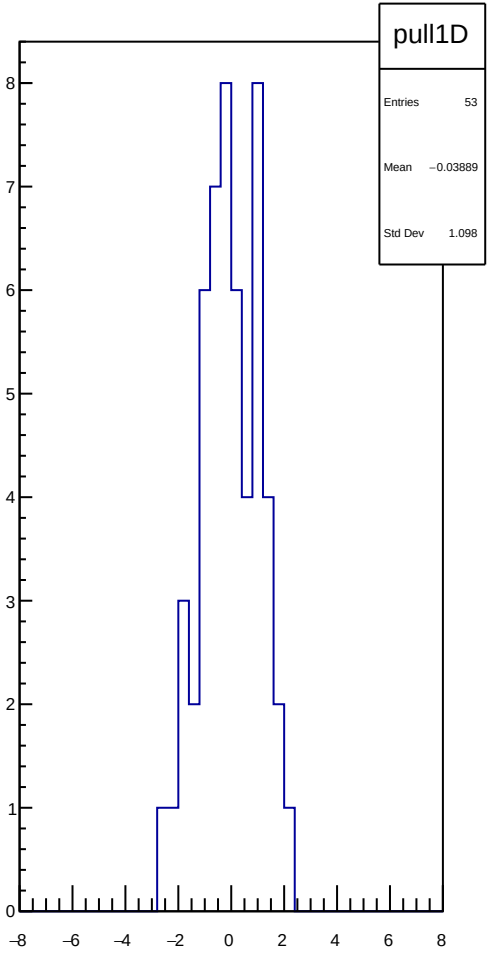

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 4765 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

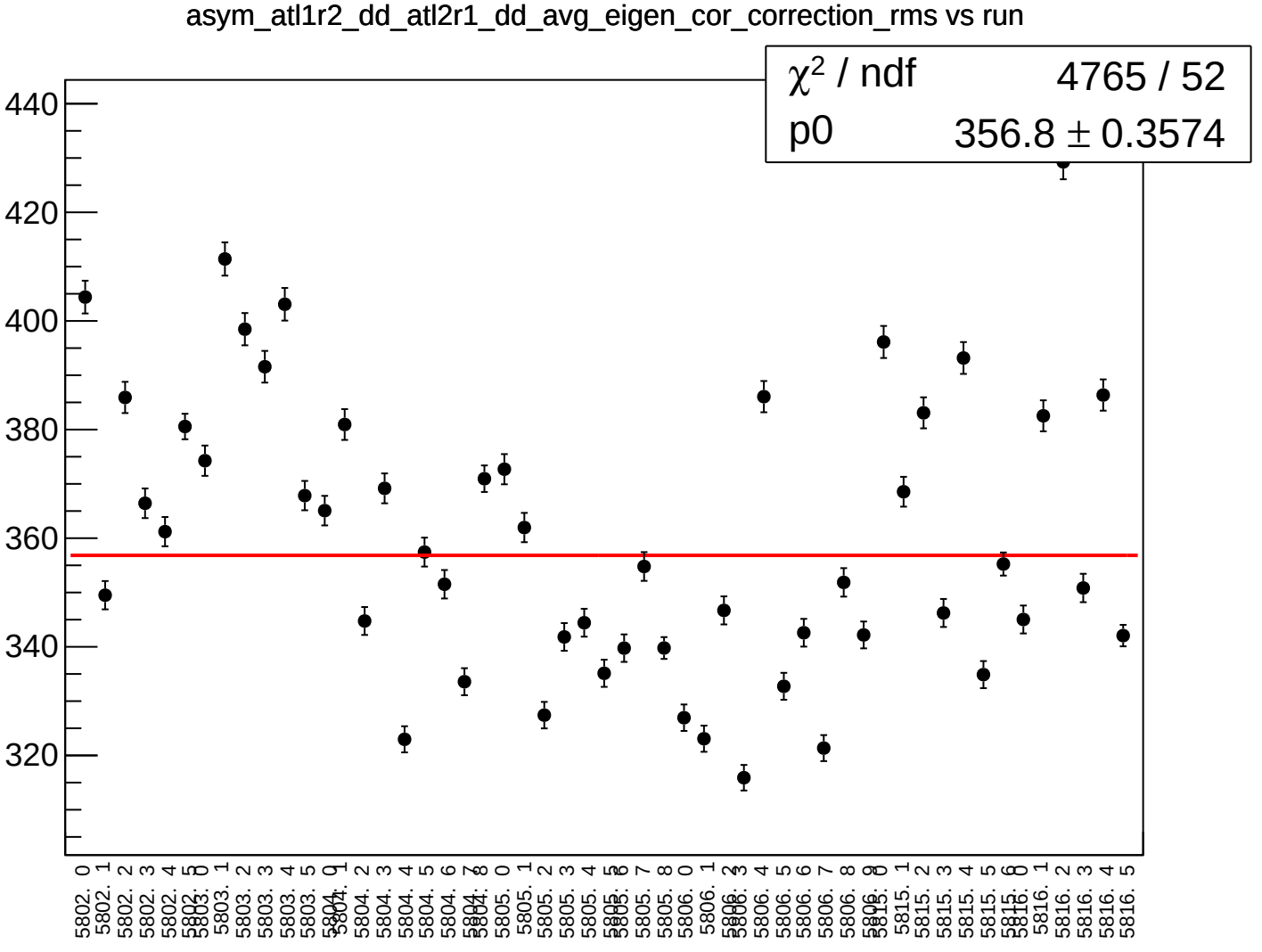

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 74.4 / 52
p0 −1011 ± 1925
pull
Entries 53
Mean 115.4
Std Dev 0

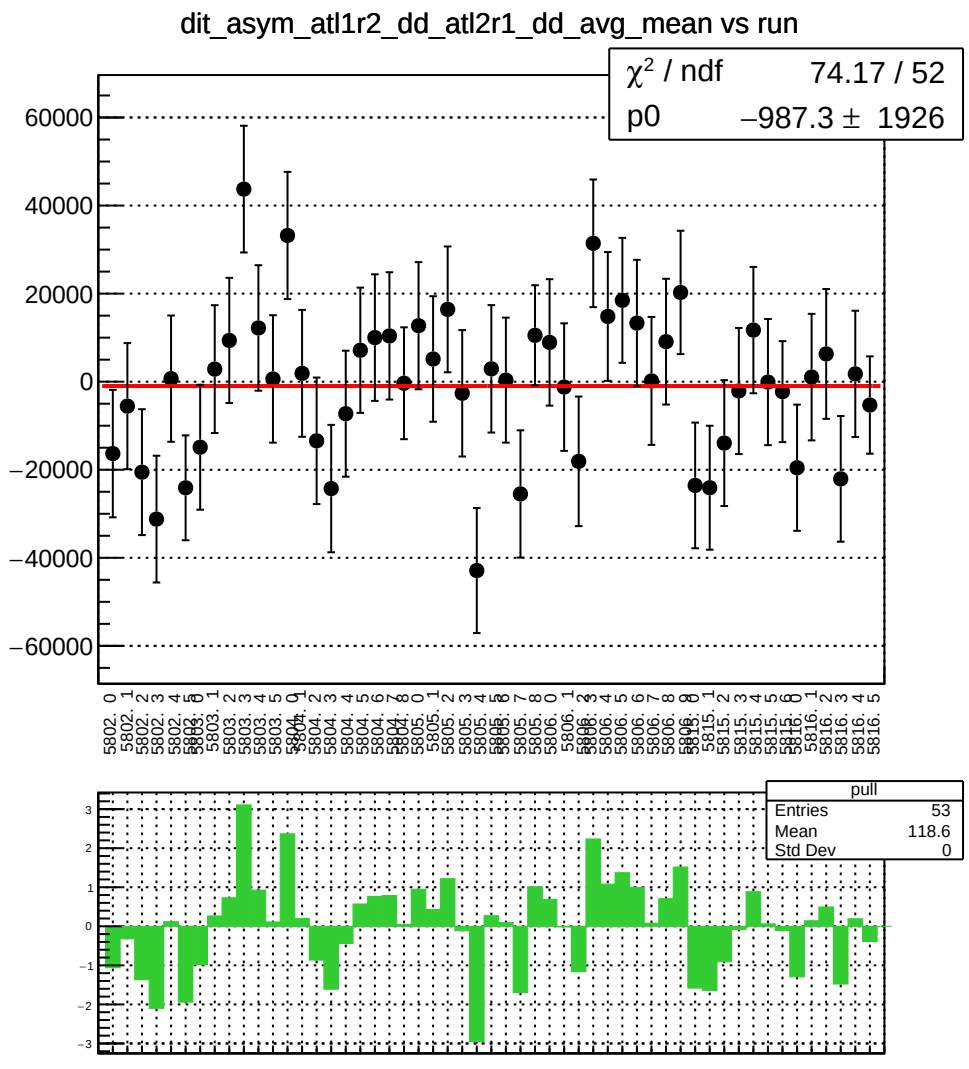

pull1D
Entries 53
Mean 0.005766
Std Dev 1.185

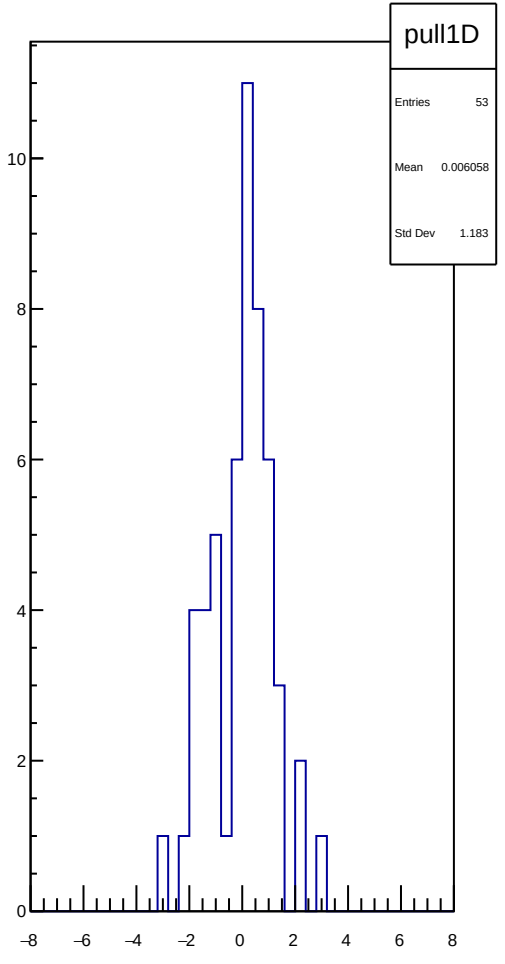

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 82.27 / 52
p0 1362 ± 1.361
1400
1380
1360
1340
1320

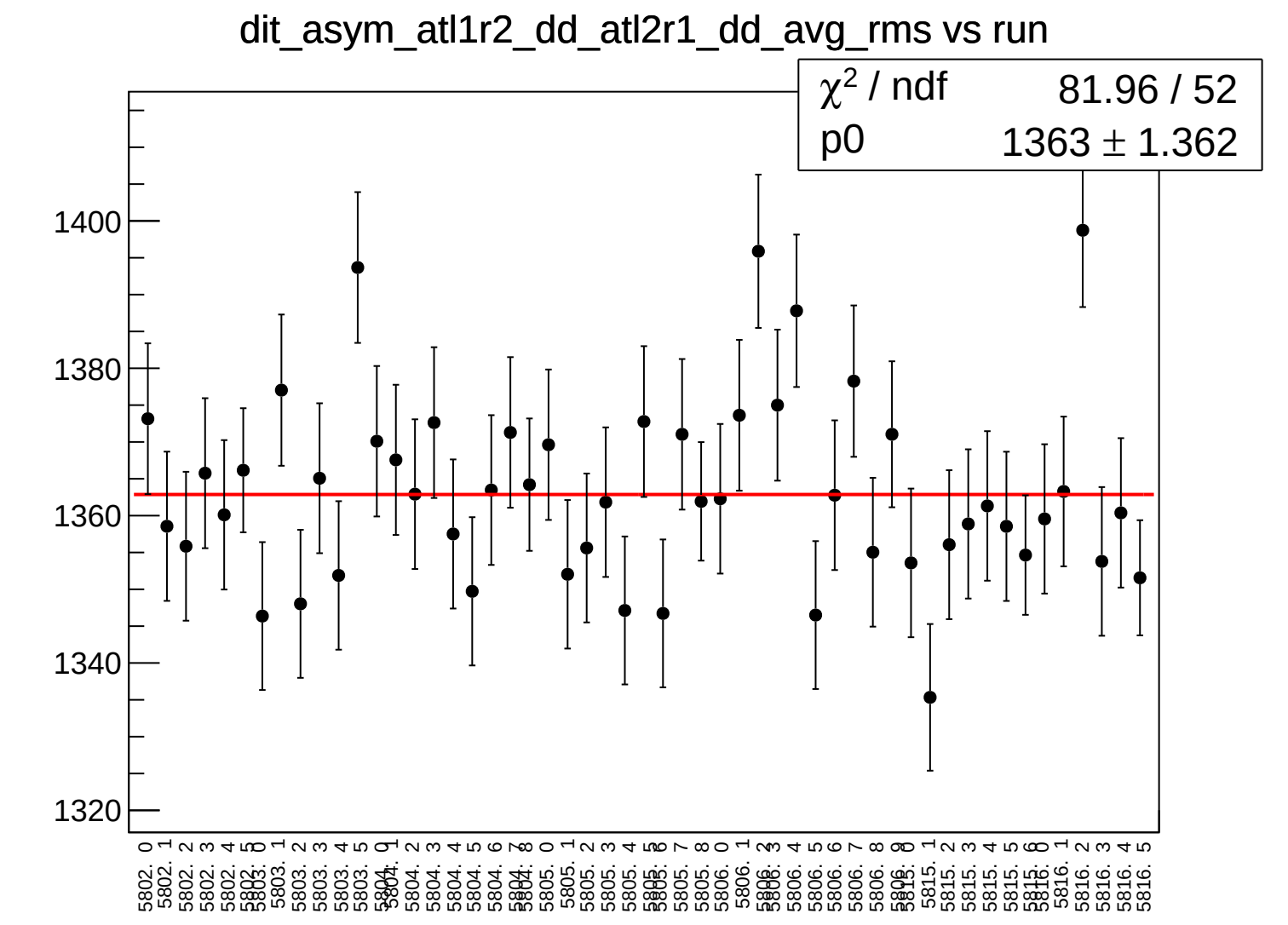

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.02 / 52
p0 264.1 ± 505.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −33.23
Std Dev 0
2
1
0
−1
−2

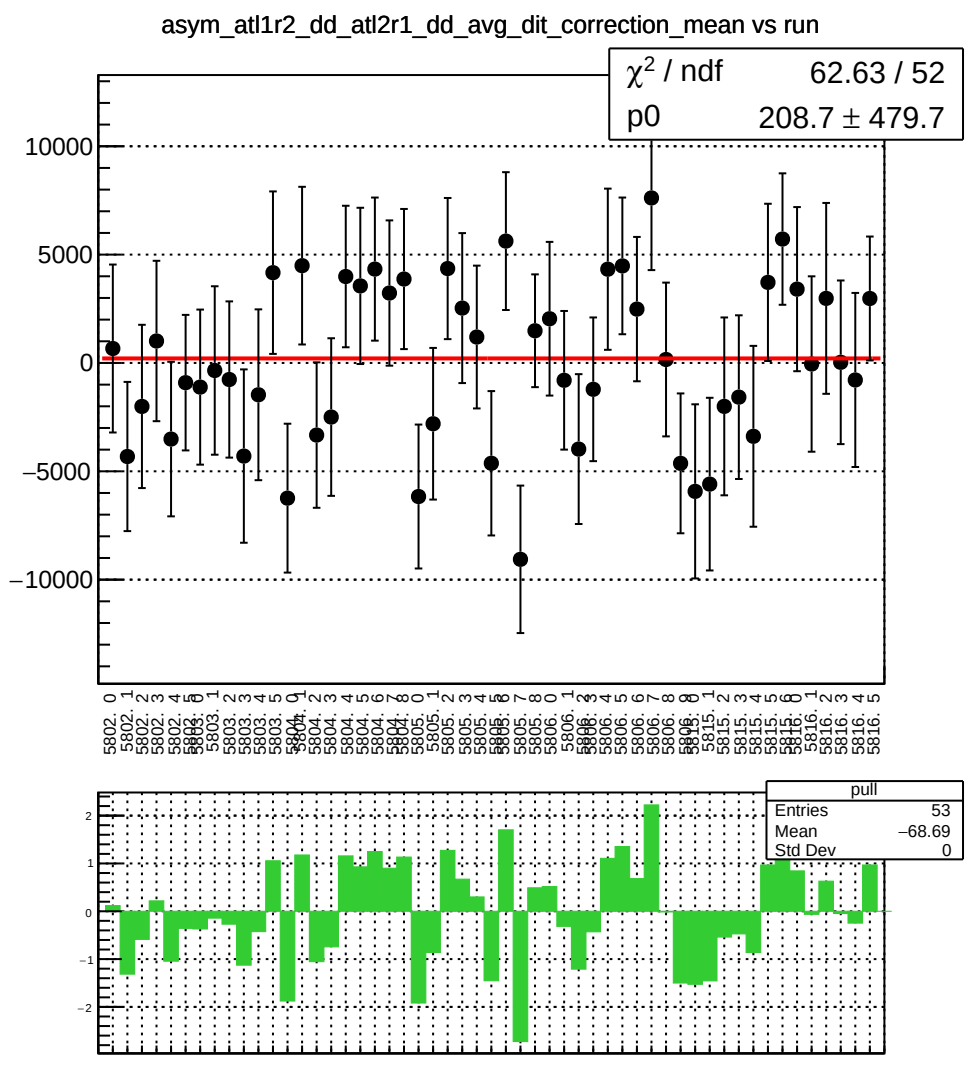

pull1D
Entries 53
Mean −0.03889
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

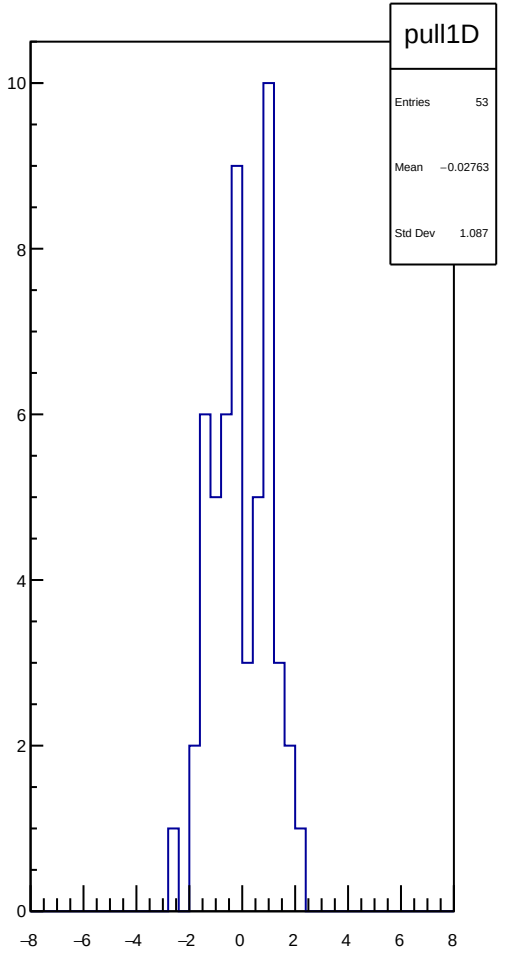

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4765 / 52
p0 356.8 ± 0.3574
440
420
400
380
360
340
320

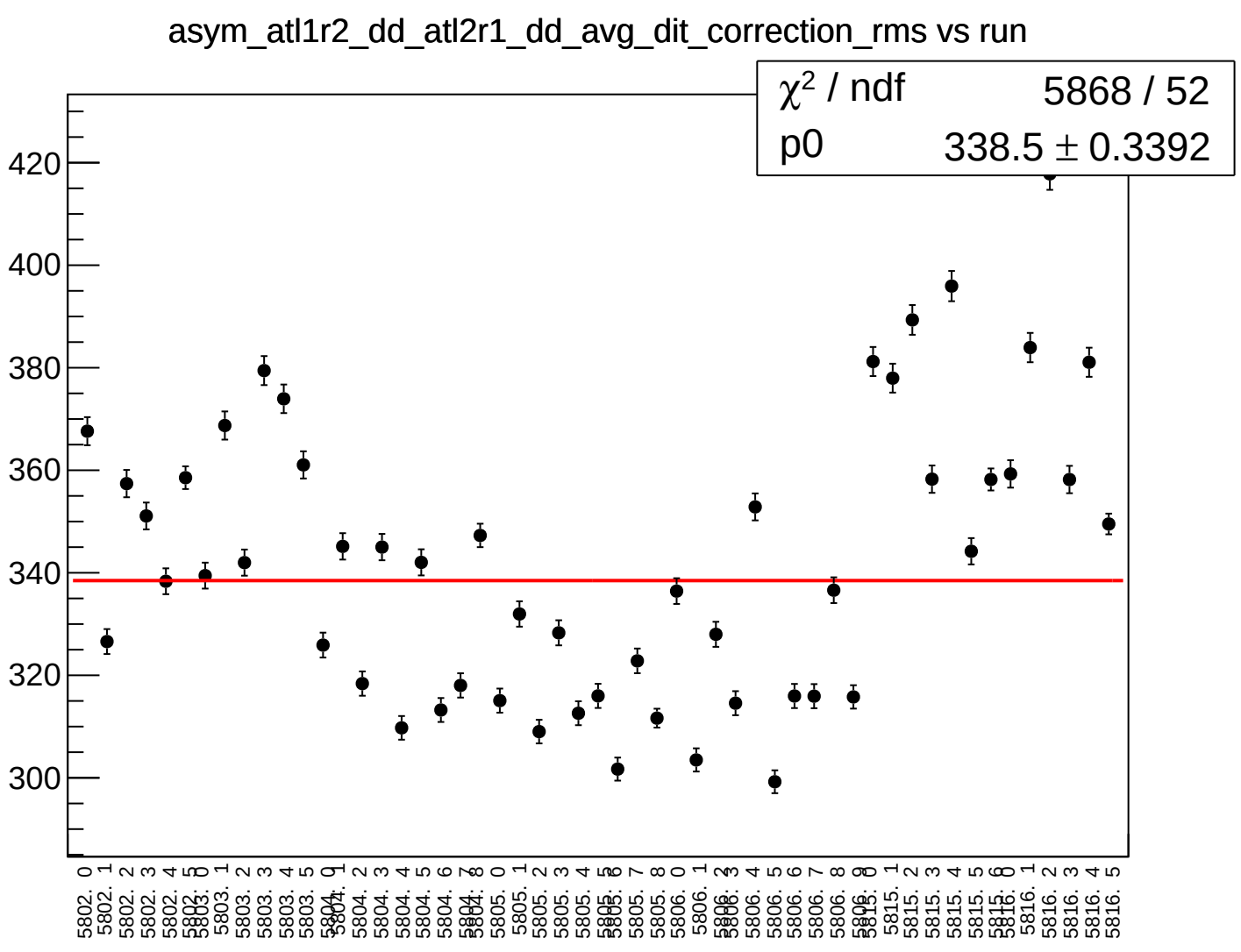

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 74.17 / 52
p0 −987.3 ± 1926
pull
Entries 53
Mean 118.6
Std Dev 0

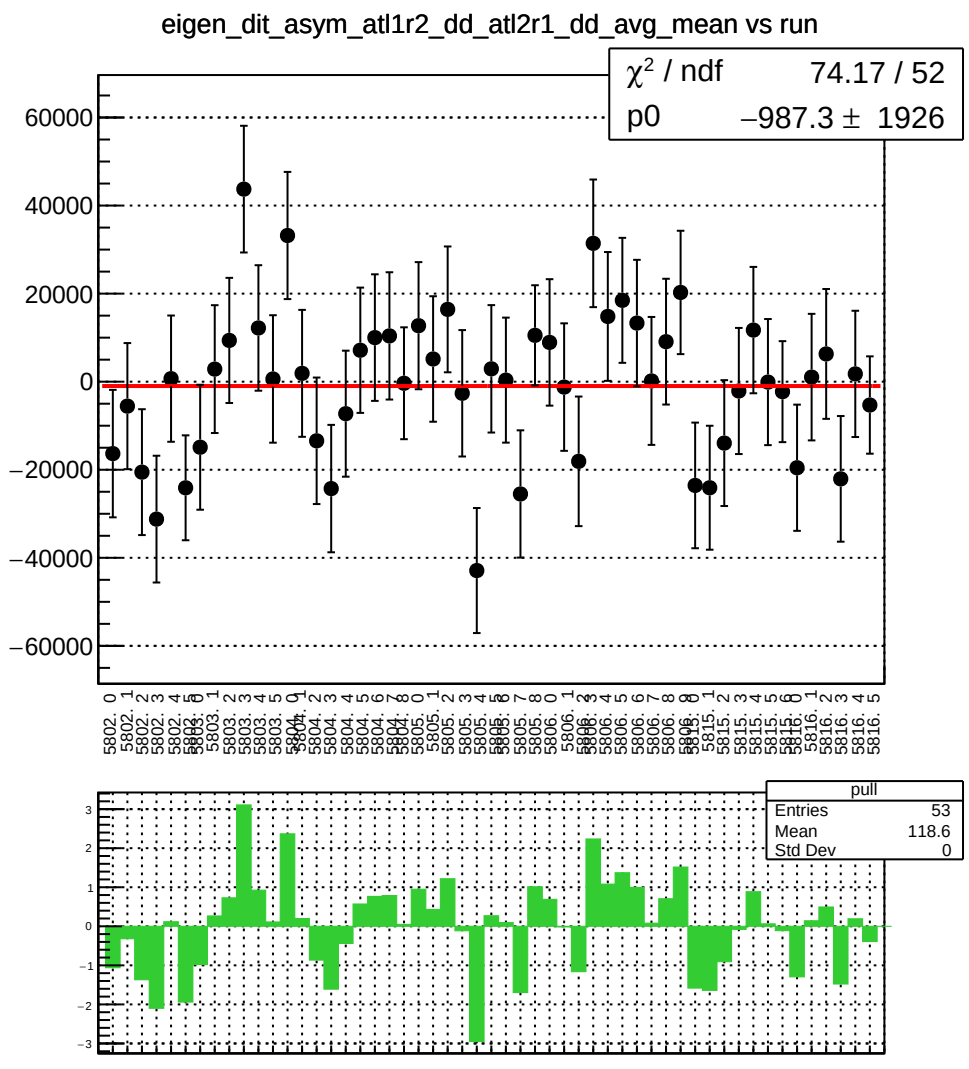

pull1D
Entries 53
Mean 0.006058
Std Dev 1.183

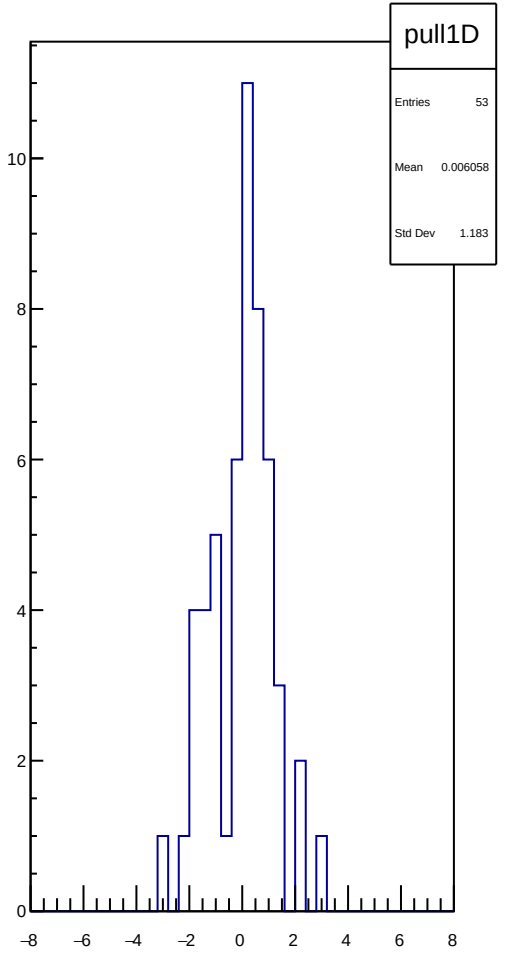

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 81.96 / 52
p0 1363 ± 1.362
1400
1380
1360
1340
1320

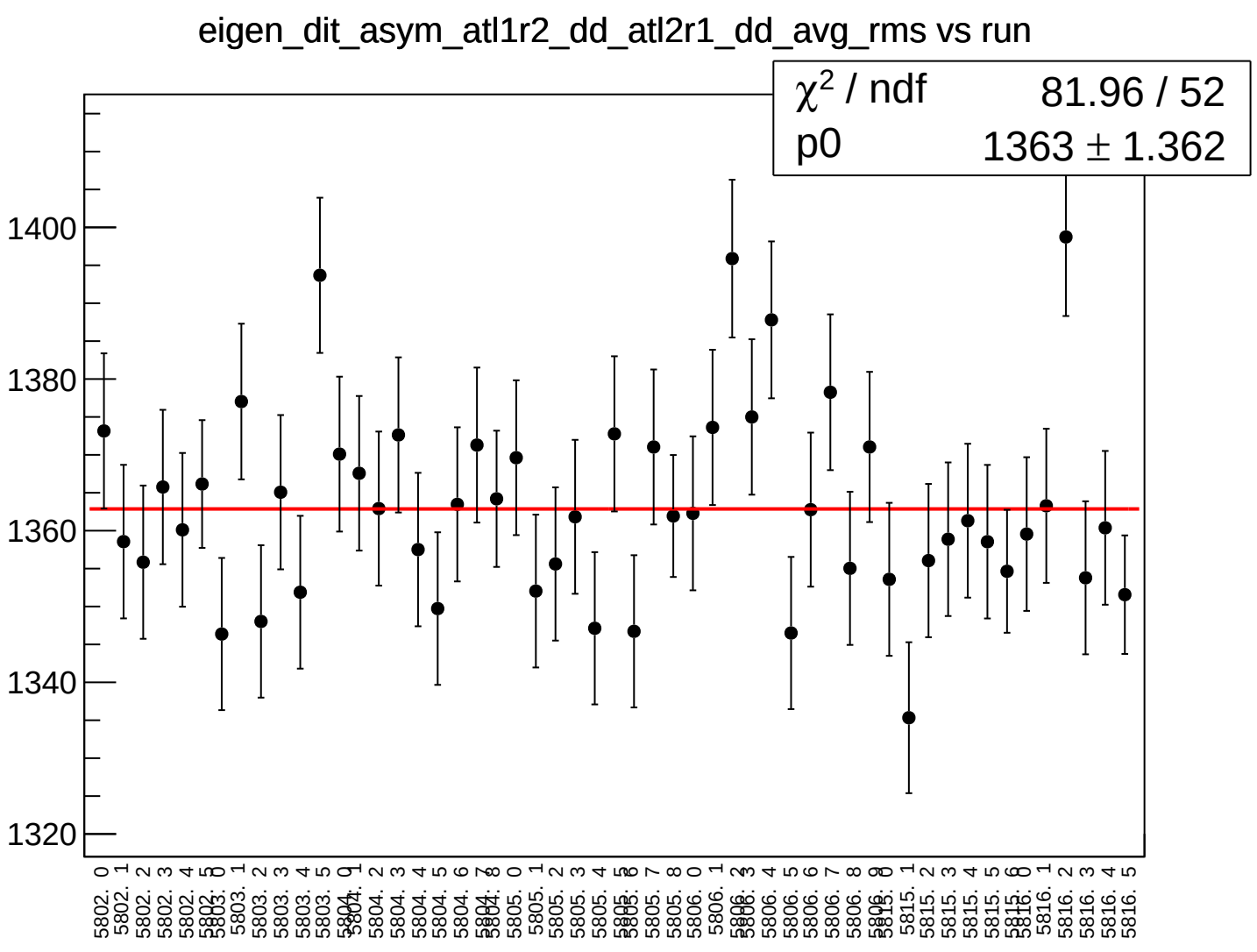

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 62.63 / 52
p0 208.7 ± 479.7
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −68.69
Std Dev 0
2
1
0
−1
−2

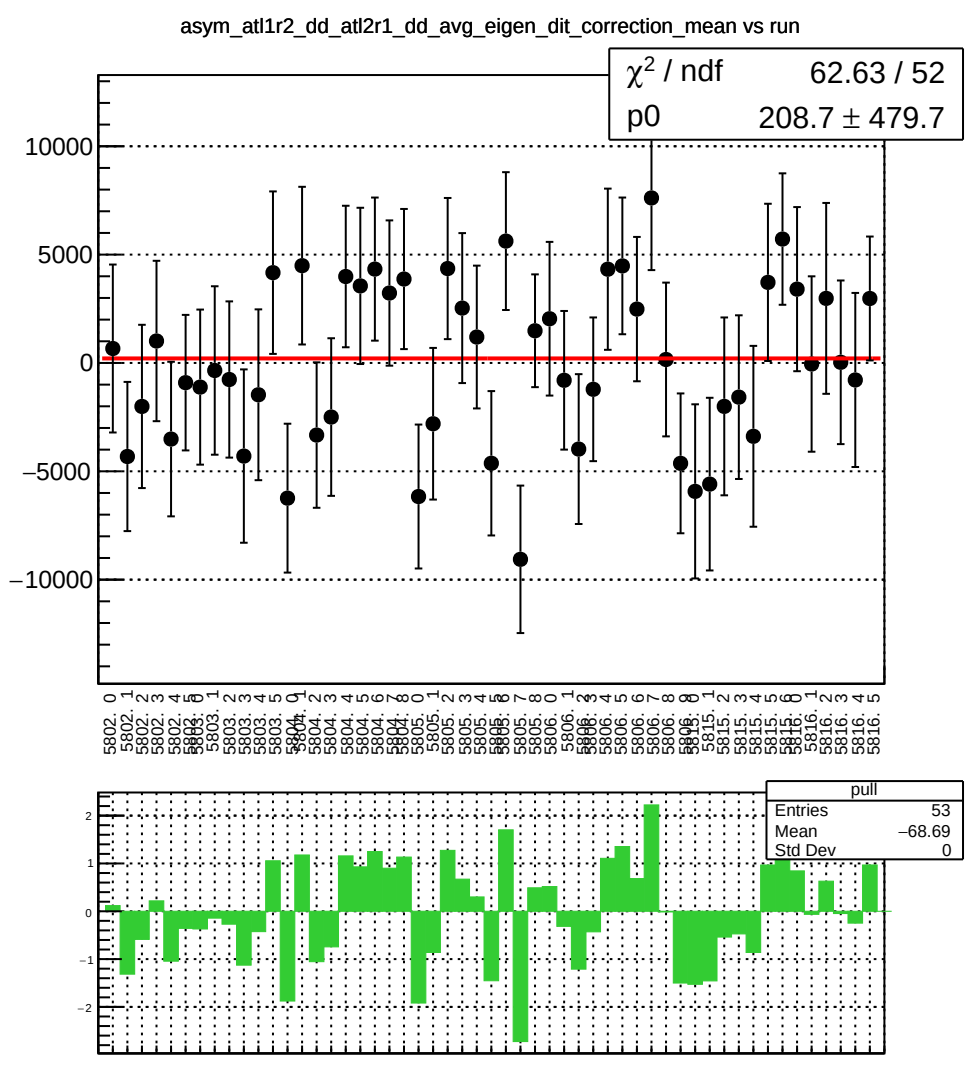

pull1D
Entries 53
Mean −0.02763
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

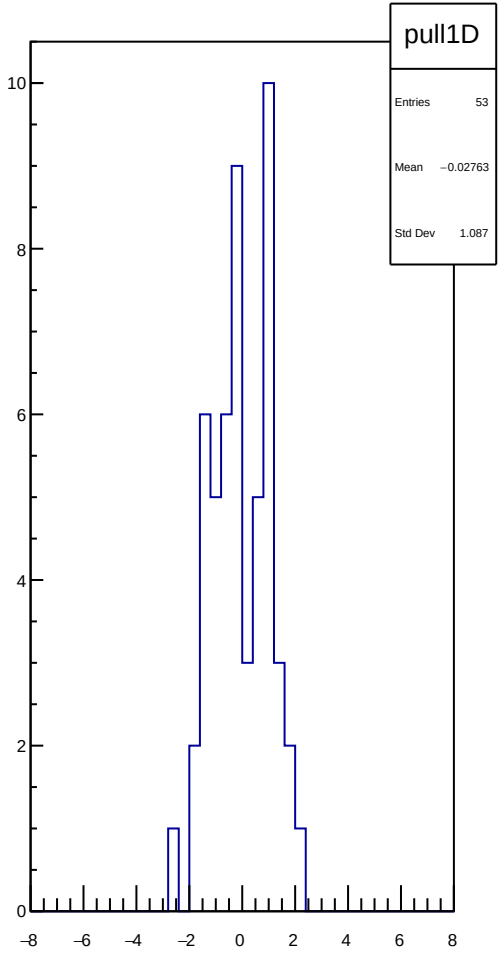

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 5868 / 52
p0 338.5 ± 0.3392
420
400
380
360
340
320
300

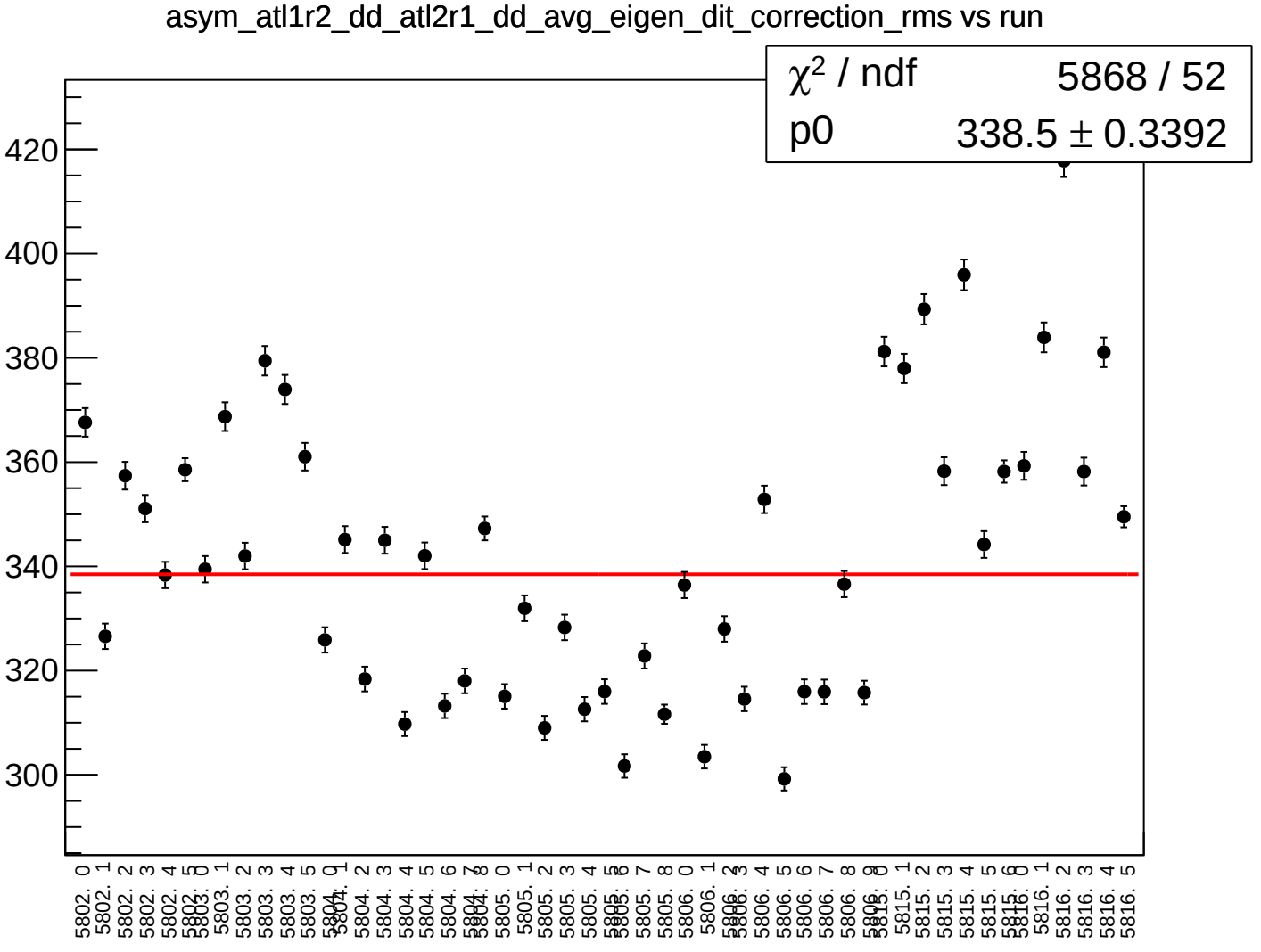

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 74.17 / 52
p0 −987.3 ± 1926
pull
Entries 53
Mean 118.6
Std Dev 0

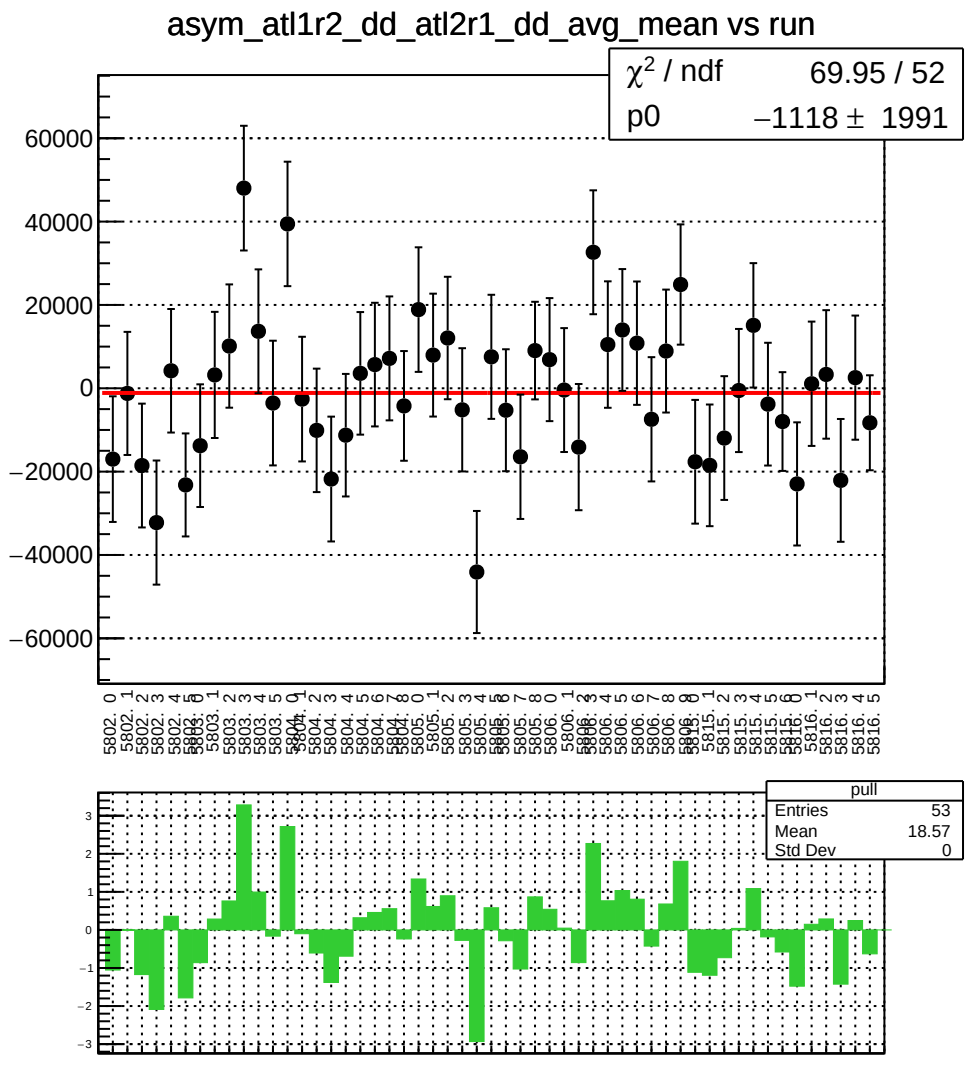

pull1D
Entries 53
Mean 0.006058
Std Dev 1.183

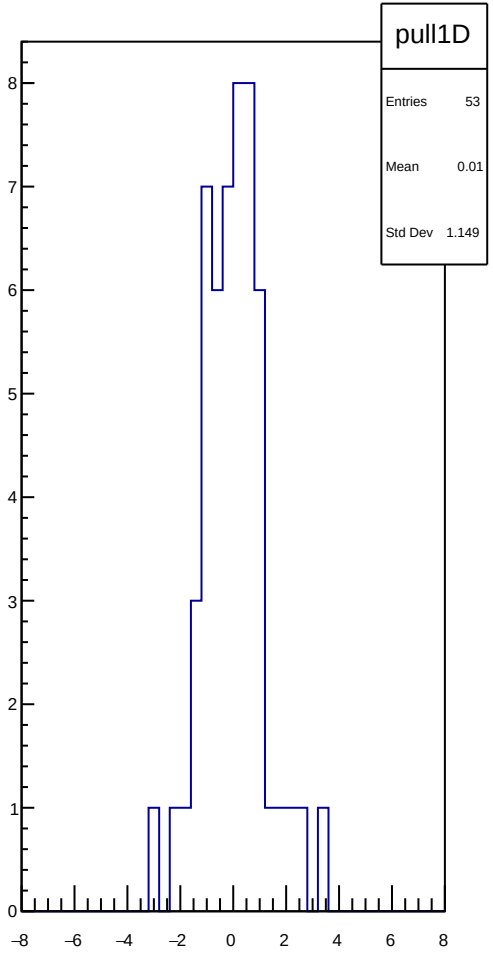

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 81.96 / 52
p0 1363 ± 1.362
1400
1380
1360
1340
1320

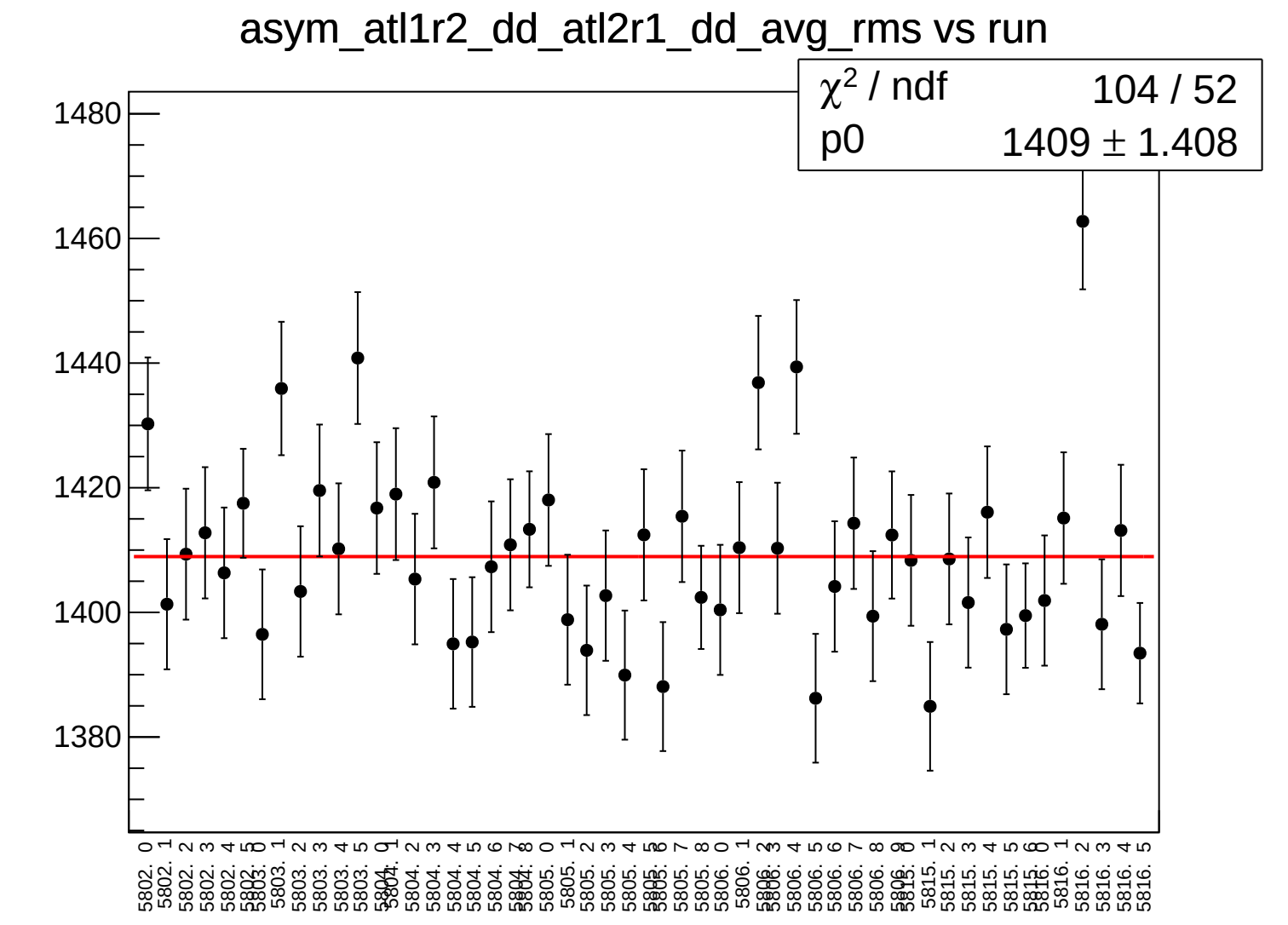

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.63 / 52
p0 208.7 ± 479.7
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −68.69
Std Dev 0
2
1
0
−1
−2

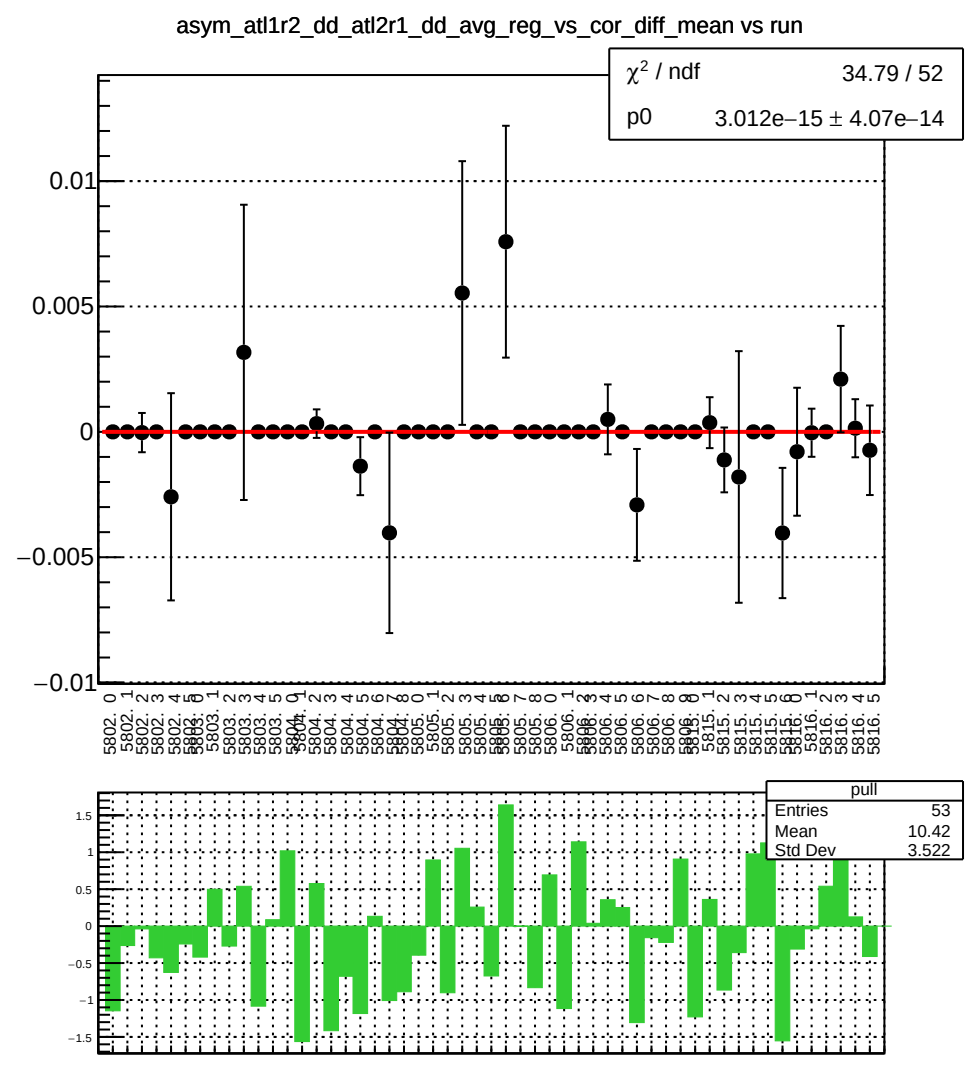

pull1D
Entries 53
Mean −0.02763
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

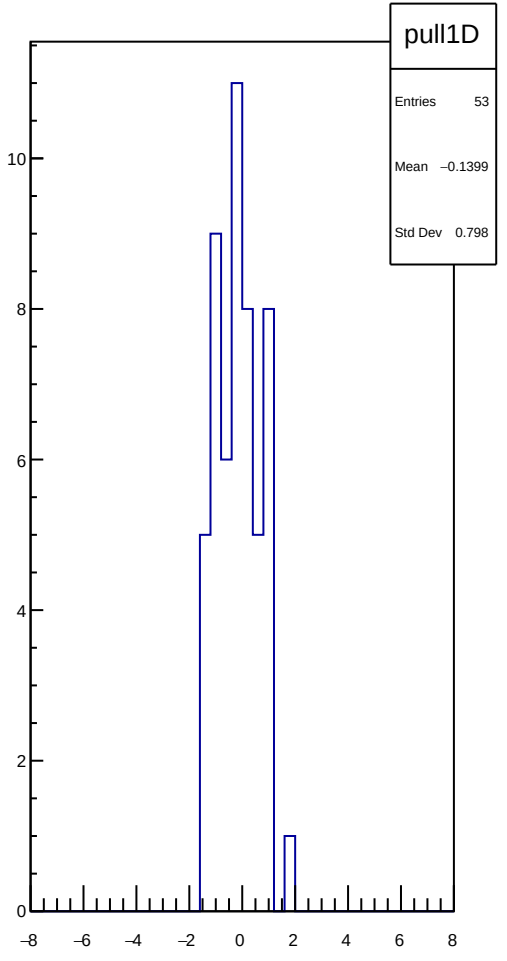

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5868 / 52
p0 338.5 ± 0.3392
420
400
380
360
340
320
300

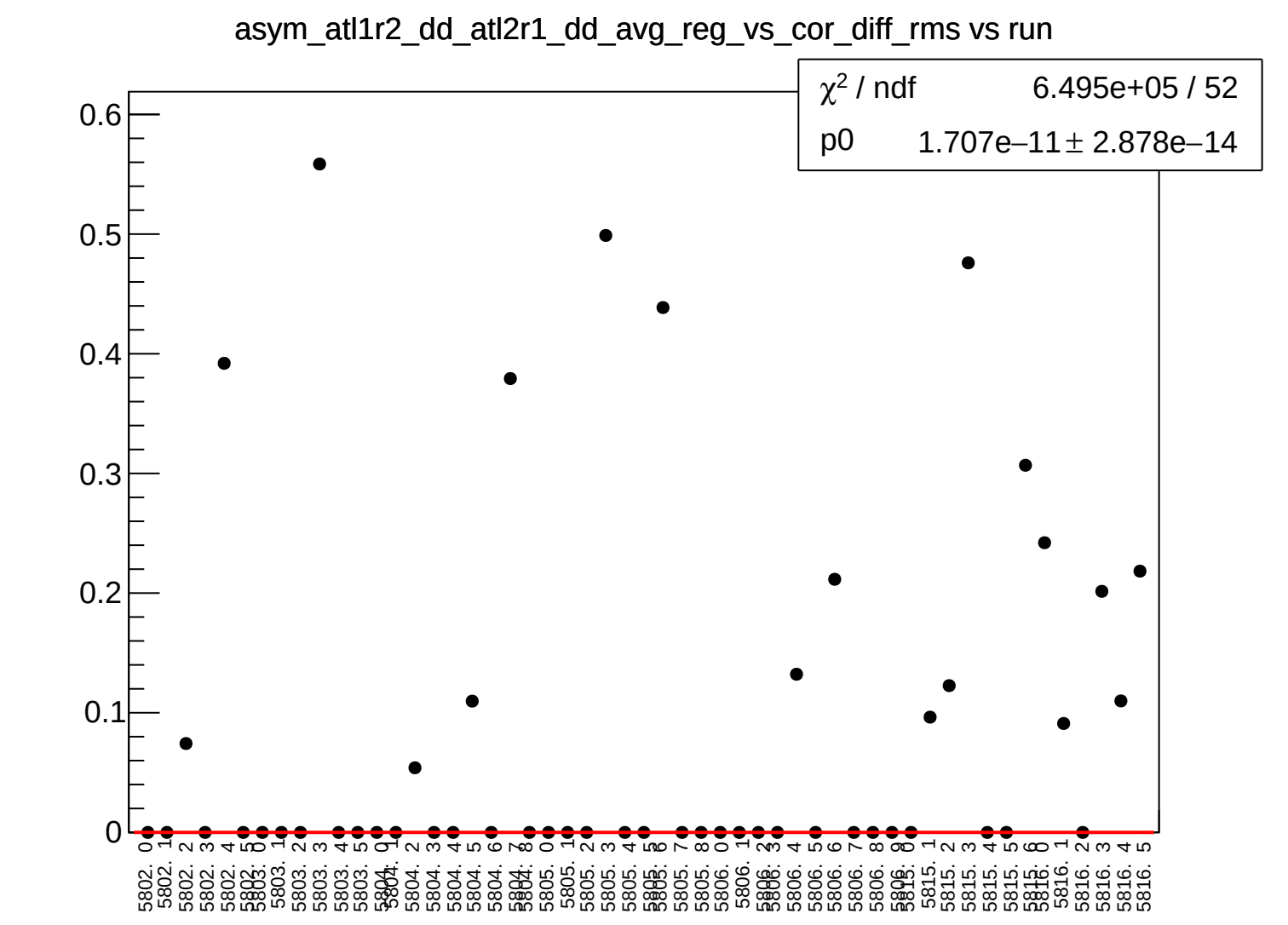

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 69.95 / 52
p0 −1118 ± 1991
pull
Entries 53
Mean 18.57
Std Dev 0

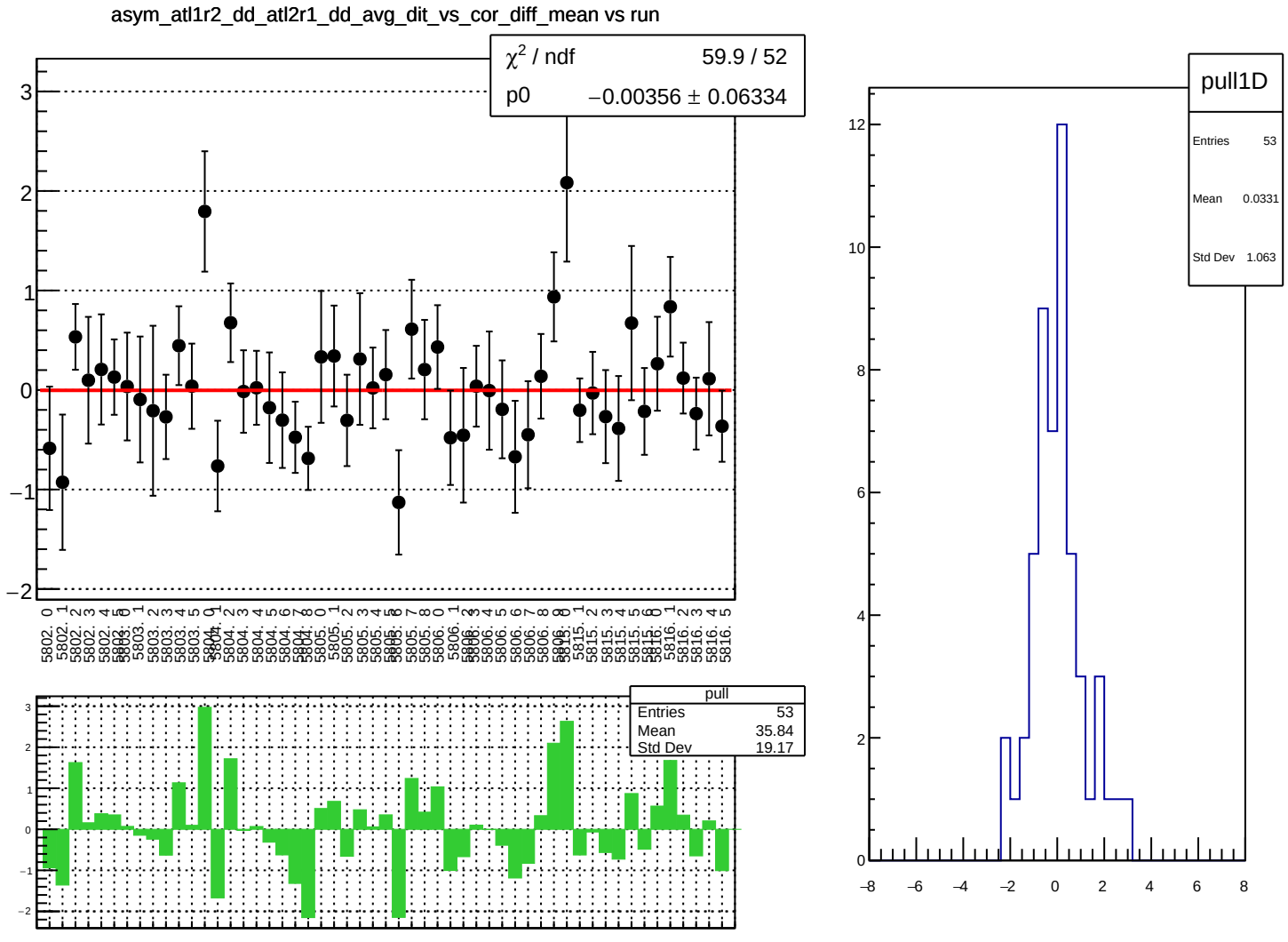

pull1D
Entries 53
Mean 0.01
Std Dev 1.149

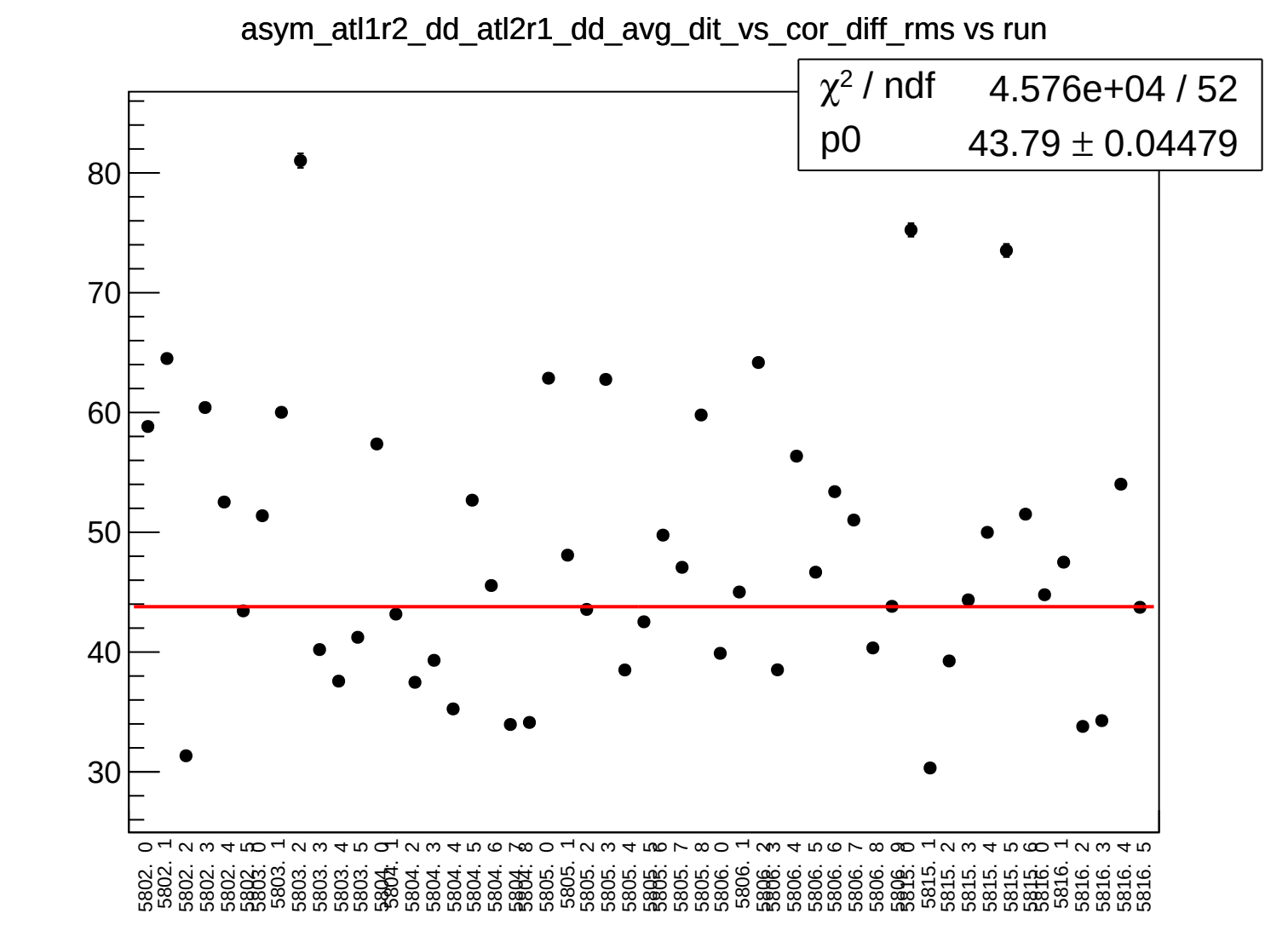

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 104 / 52
p0 1409 ± 1.408
1480
1460
1440
1420
1400
1380

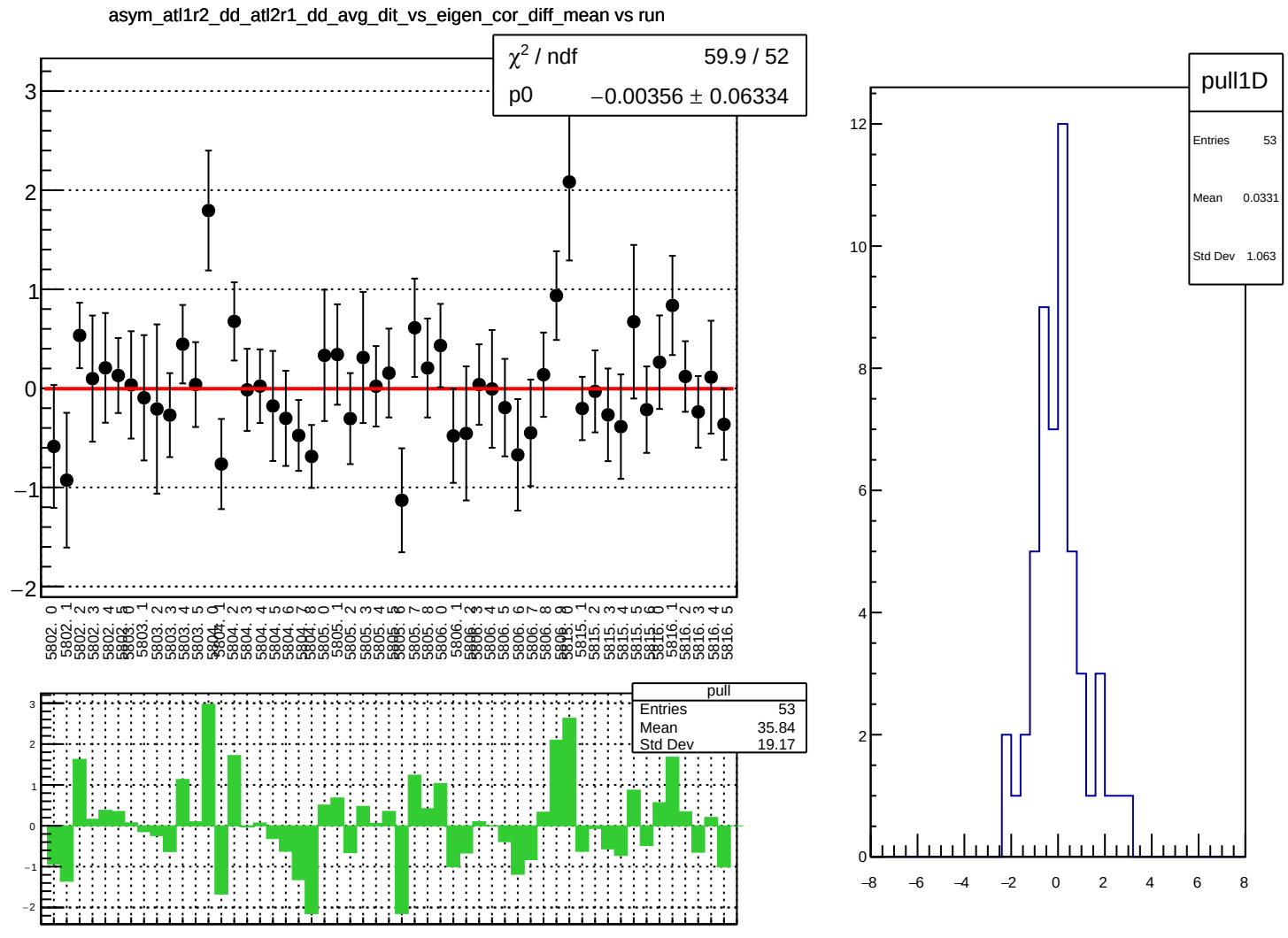

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.79 / 52
p0 3.012e−15 ± 4.07e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 53
Mean 10.42
Std Dev 3.522
1.5
1
0.5
0
−0.5
−1
−1.5

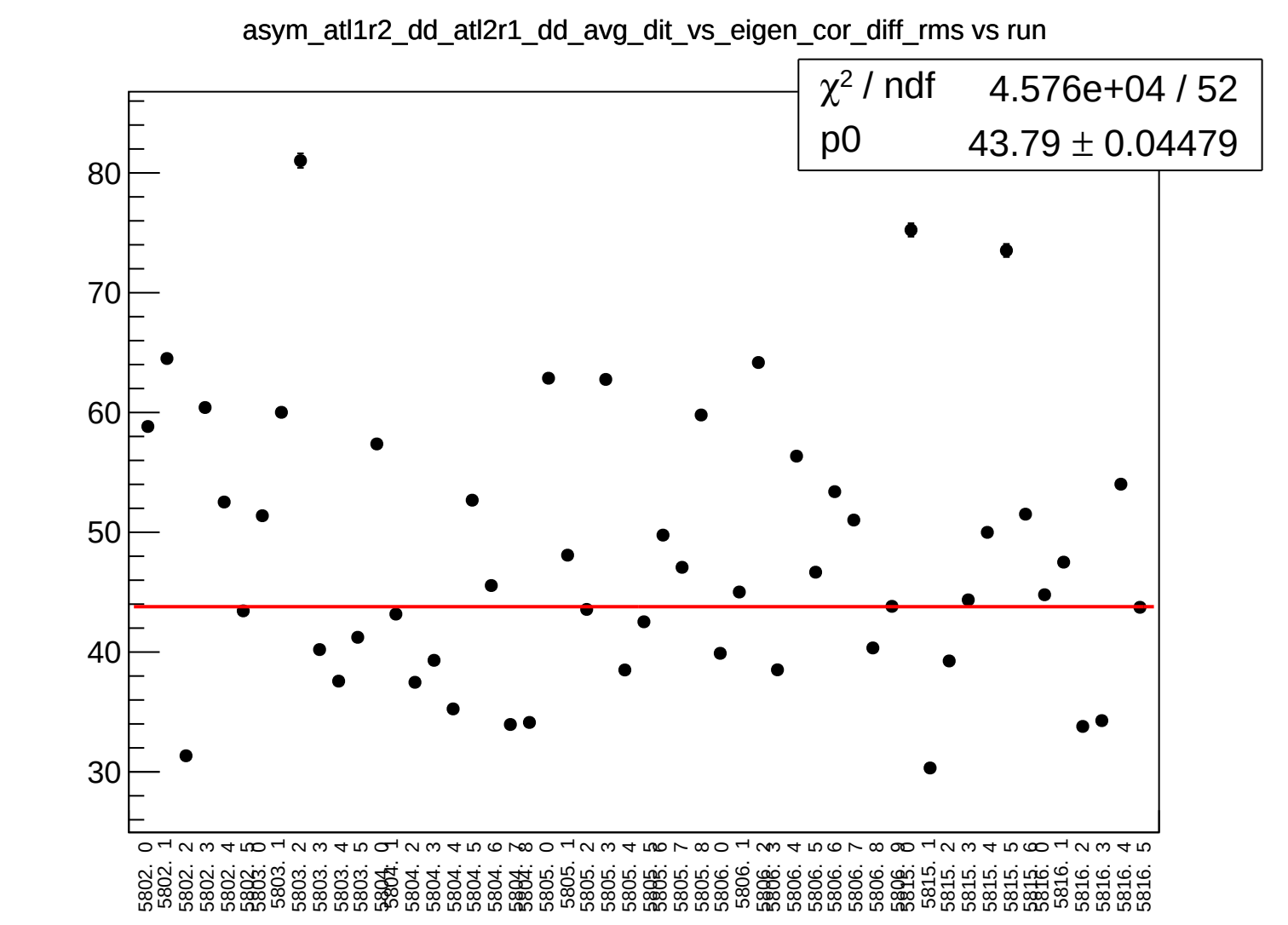

pull1D
Entries 53
Mean −0.1399
Std Dev 0.798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

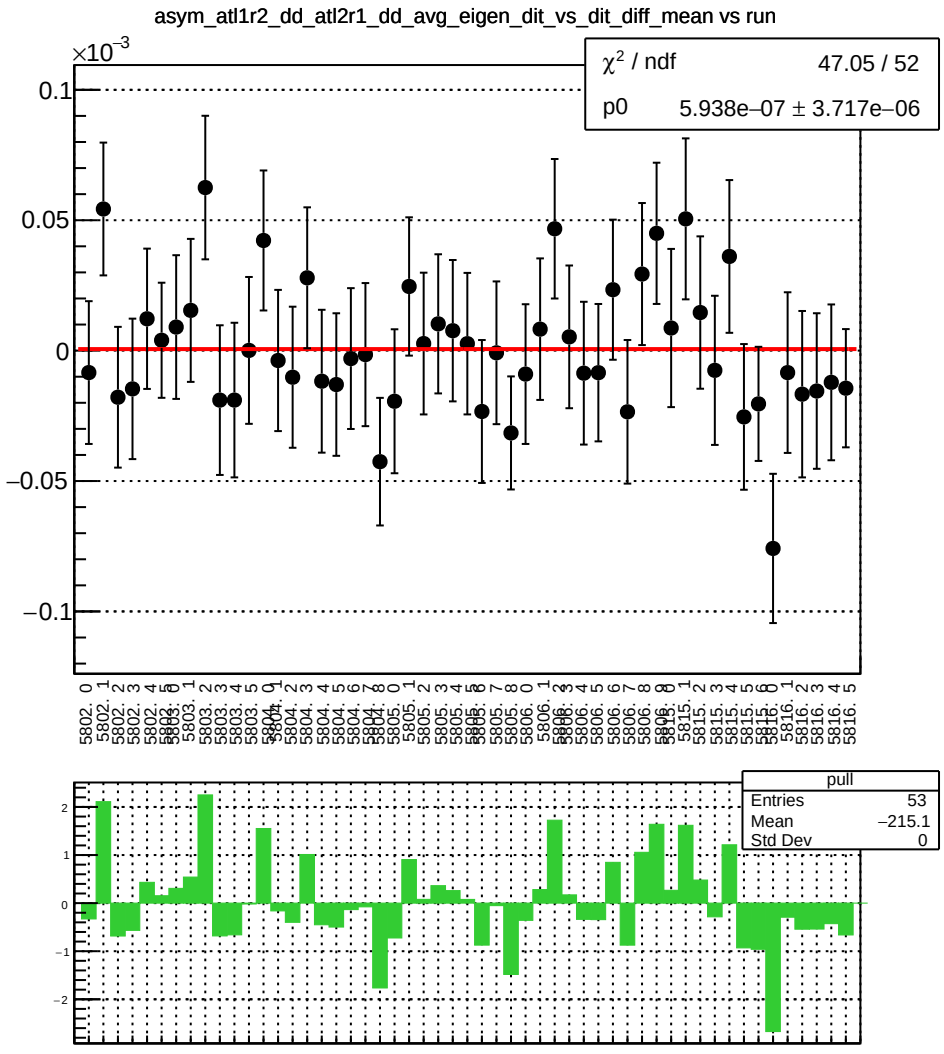

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.495e+05 / 52
p0 1.707e−11 ± 2.878e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

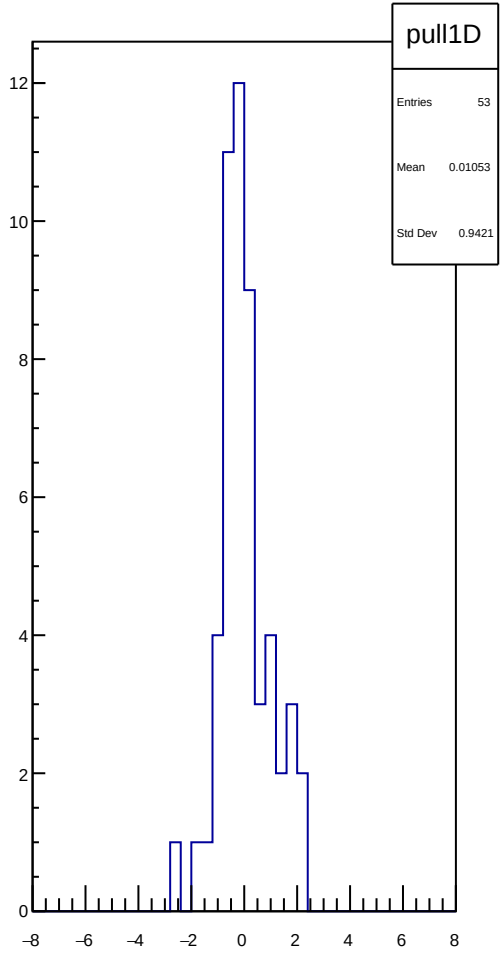

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

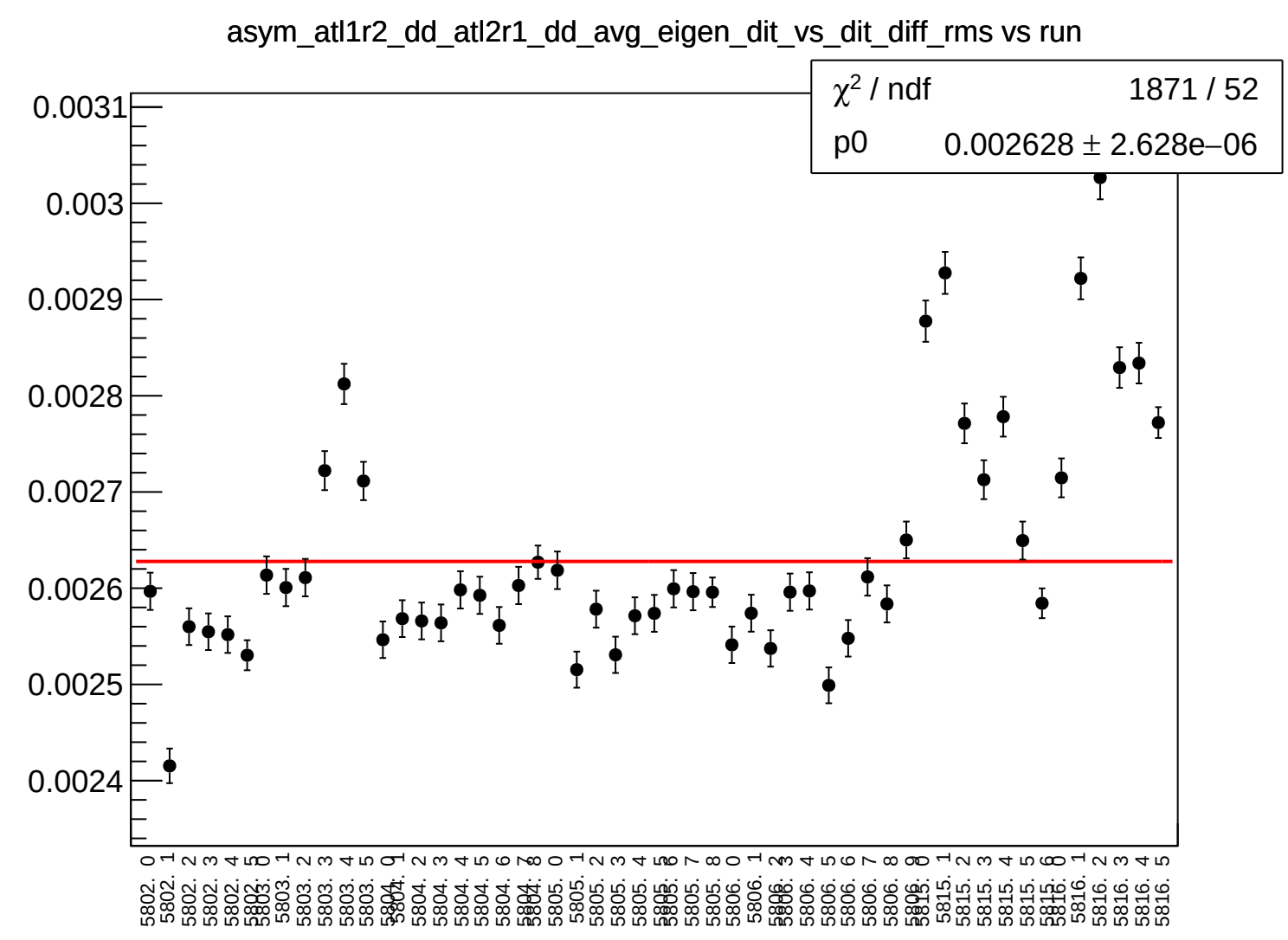

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

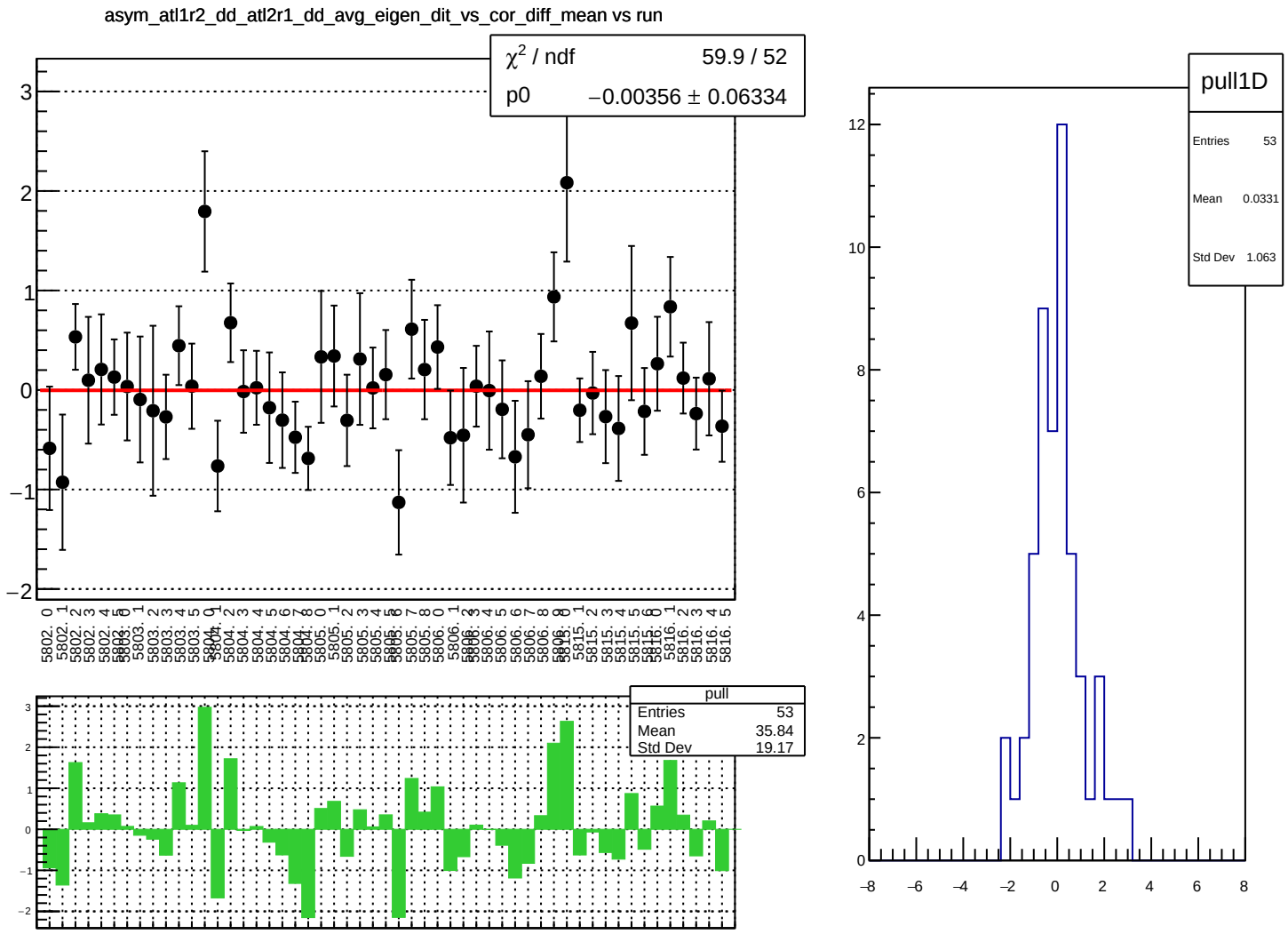

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

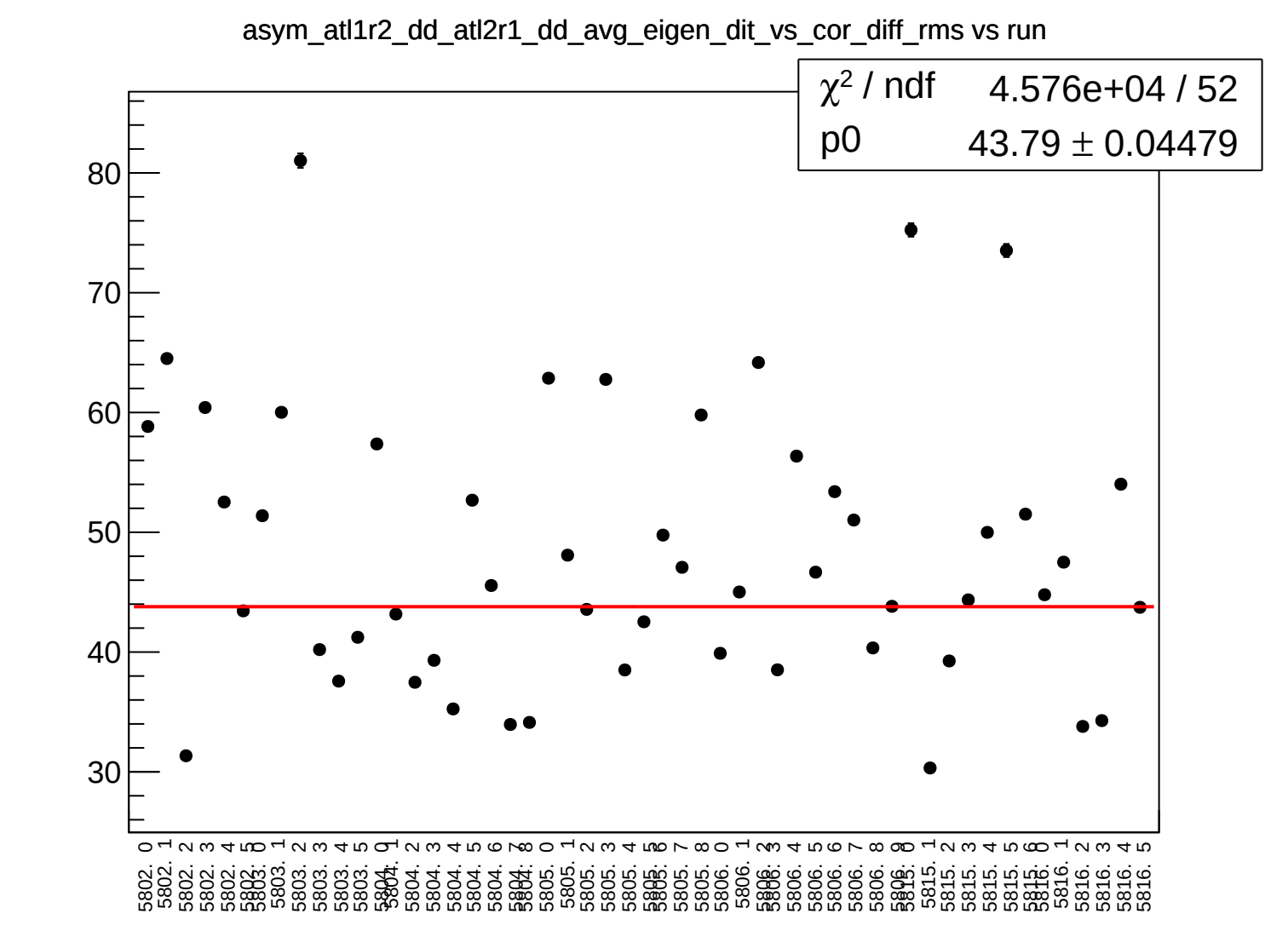

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

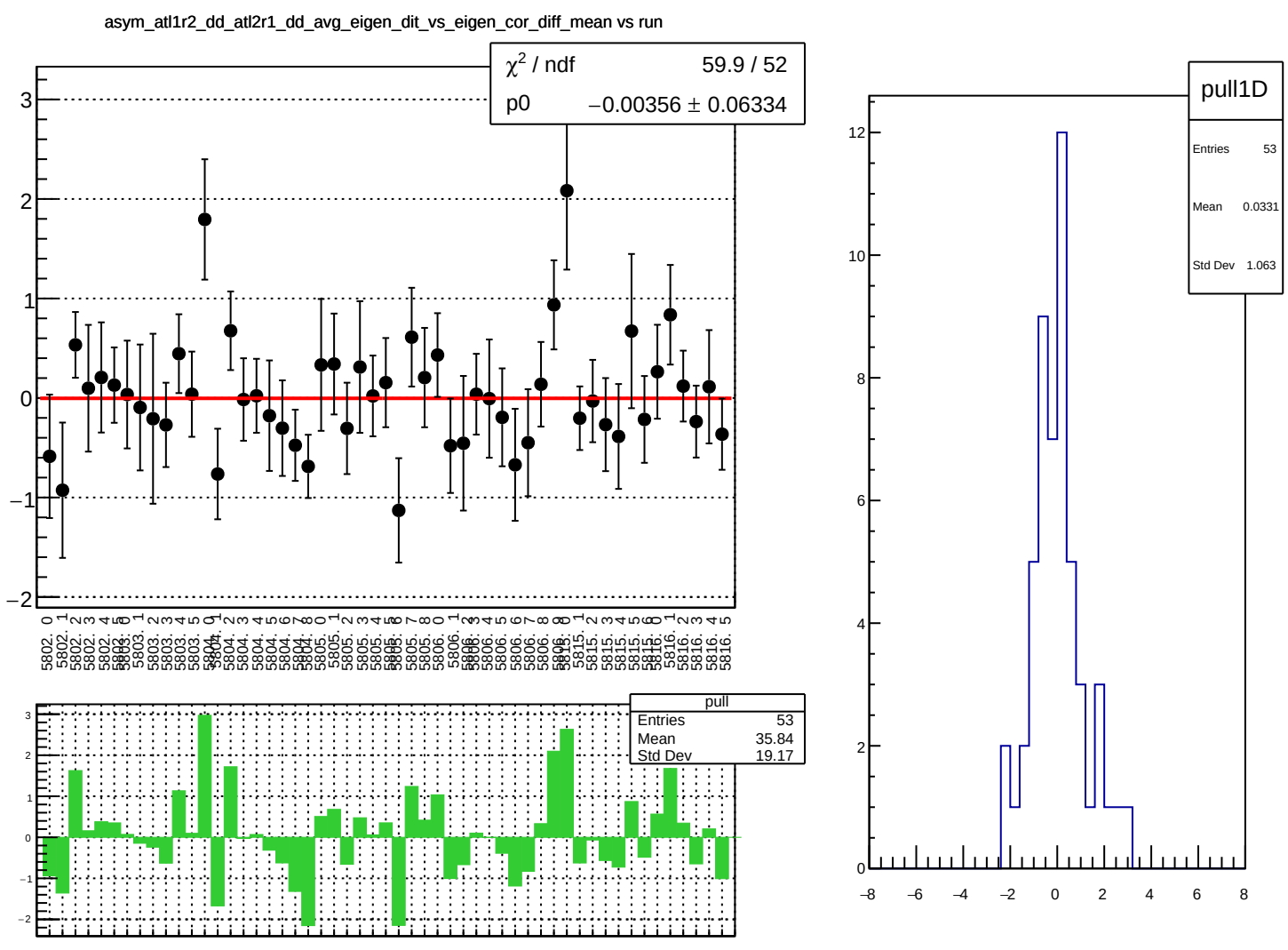

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.05 / 52
p0 5.938e−07 ± 3.717e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean −215.1
Std Dev 0
2
1
0
−1
−2

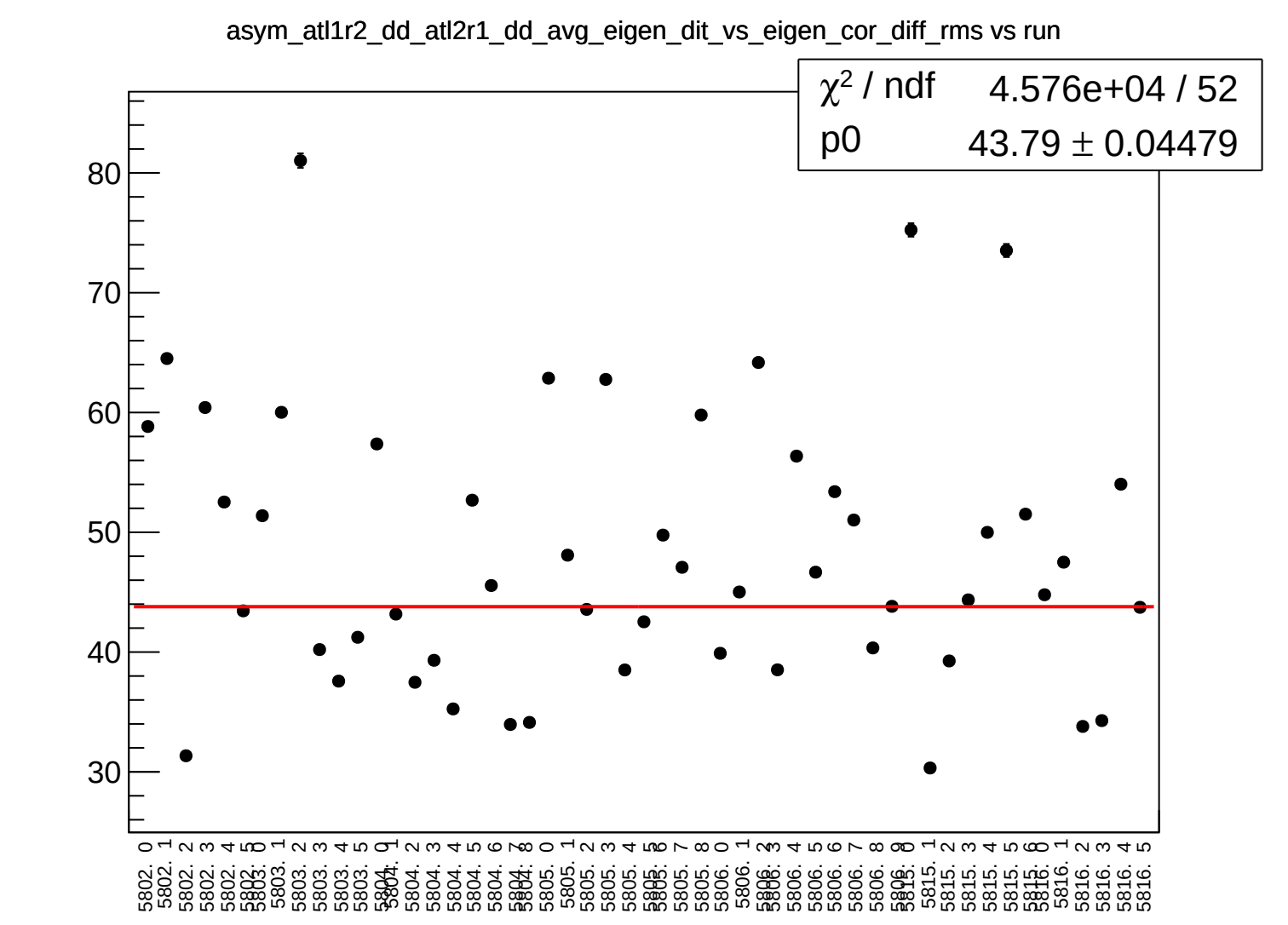

pull1D
Entries 53
Mean 0.01053
Std Dev 0.9421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

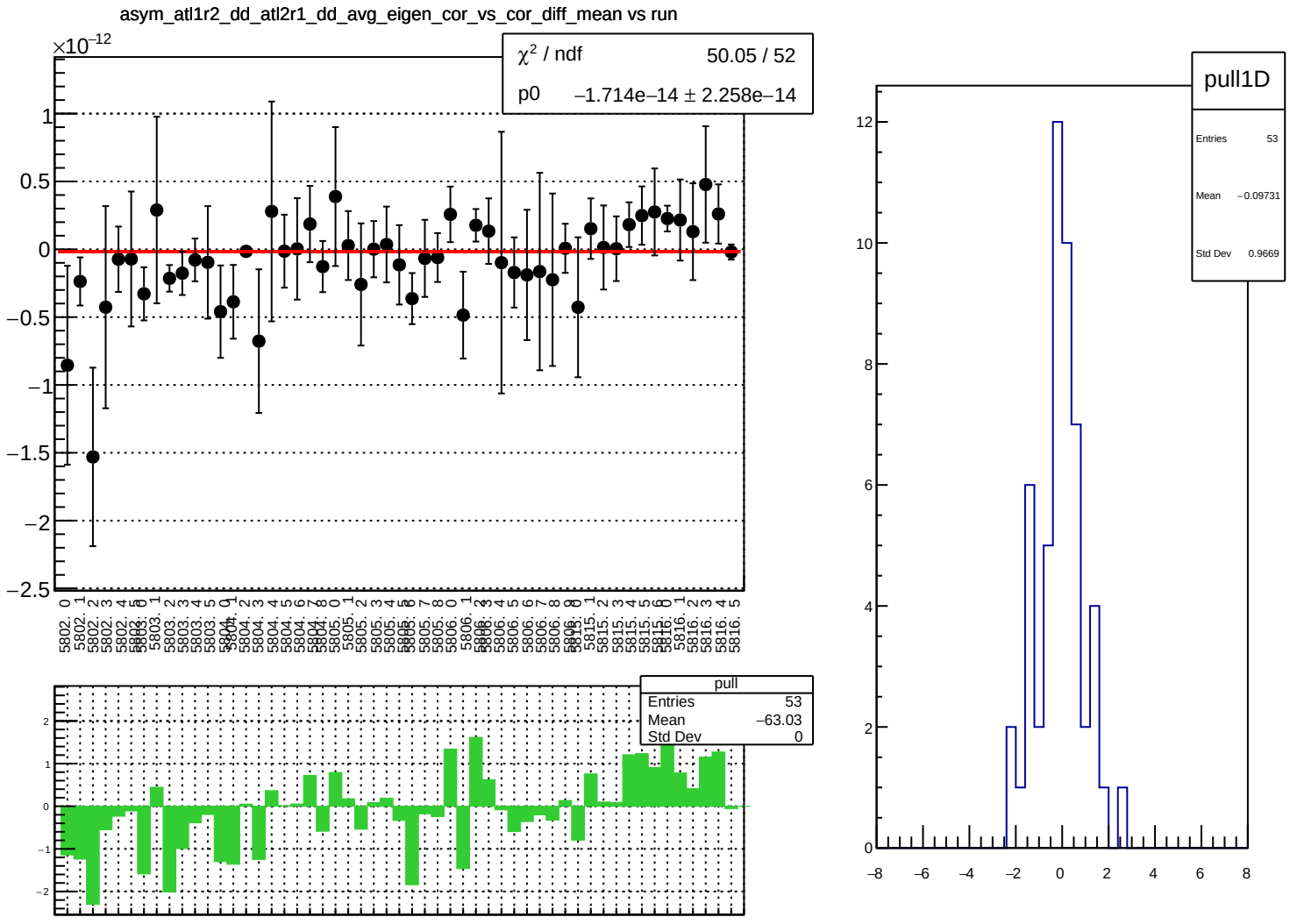

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1871 / 52
p0 0.002628 ± 2.628e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024

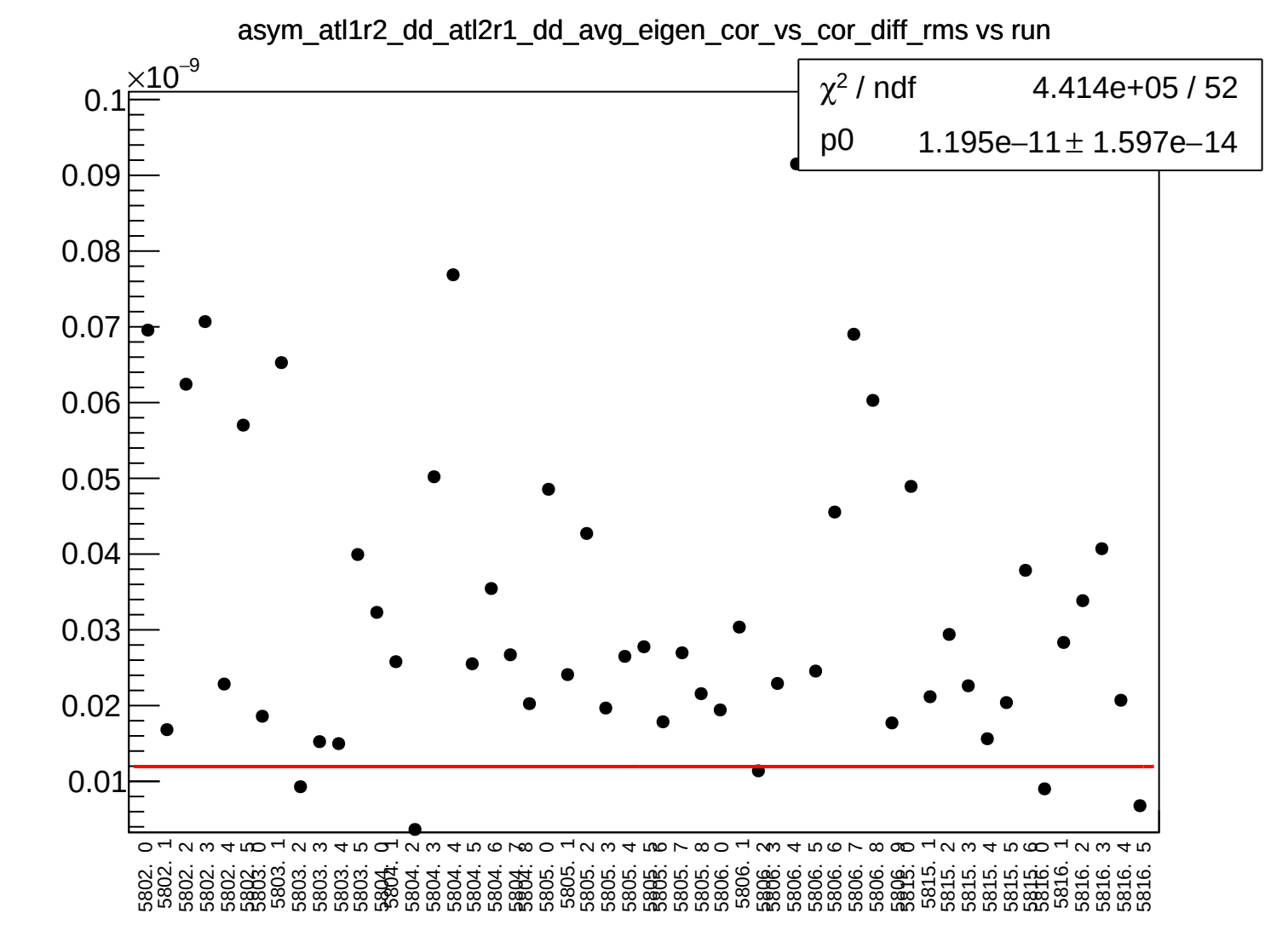

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

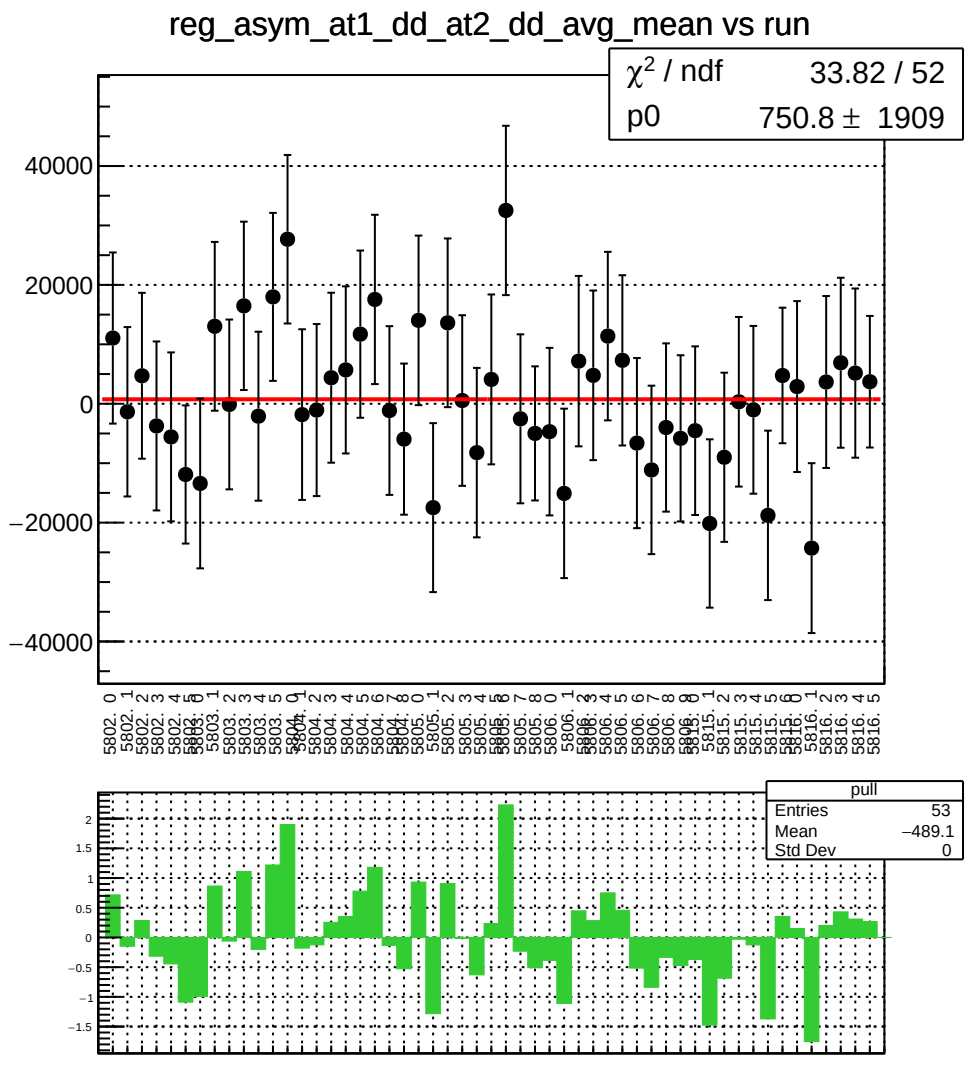

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5803. 6
5803. 7
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

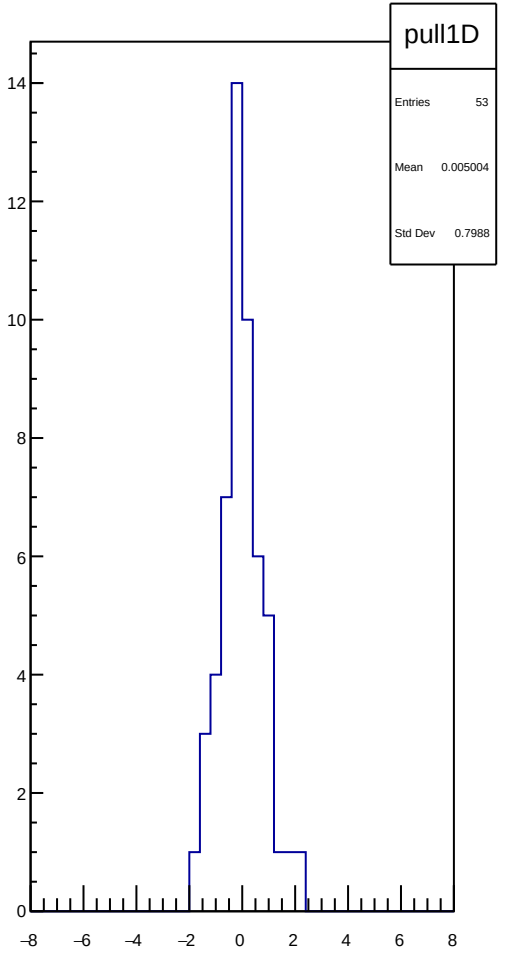

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 52
p0 −0.00356 ± 0.06334
pull
Entries 53
Mean 35.84
Std Dev 19.17
pull1D
Entries 53
Mean 0.0331
Std Dev 1.063

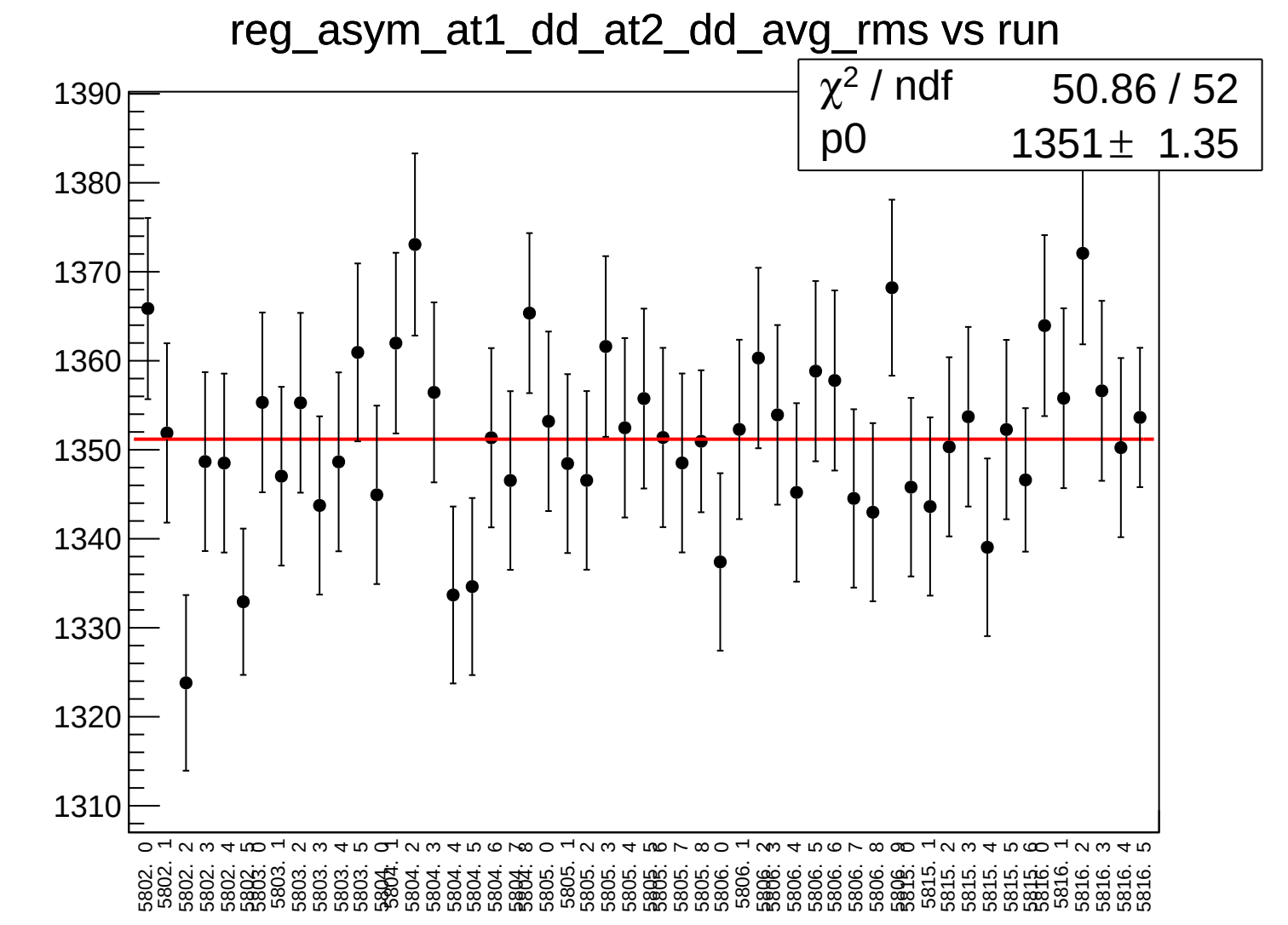

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.576e+04 / 52
p0 43.79 ± 0.04479
80
70
60
50
40
30

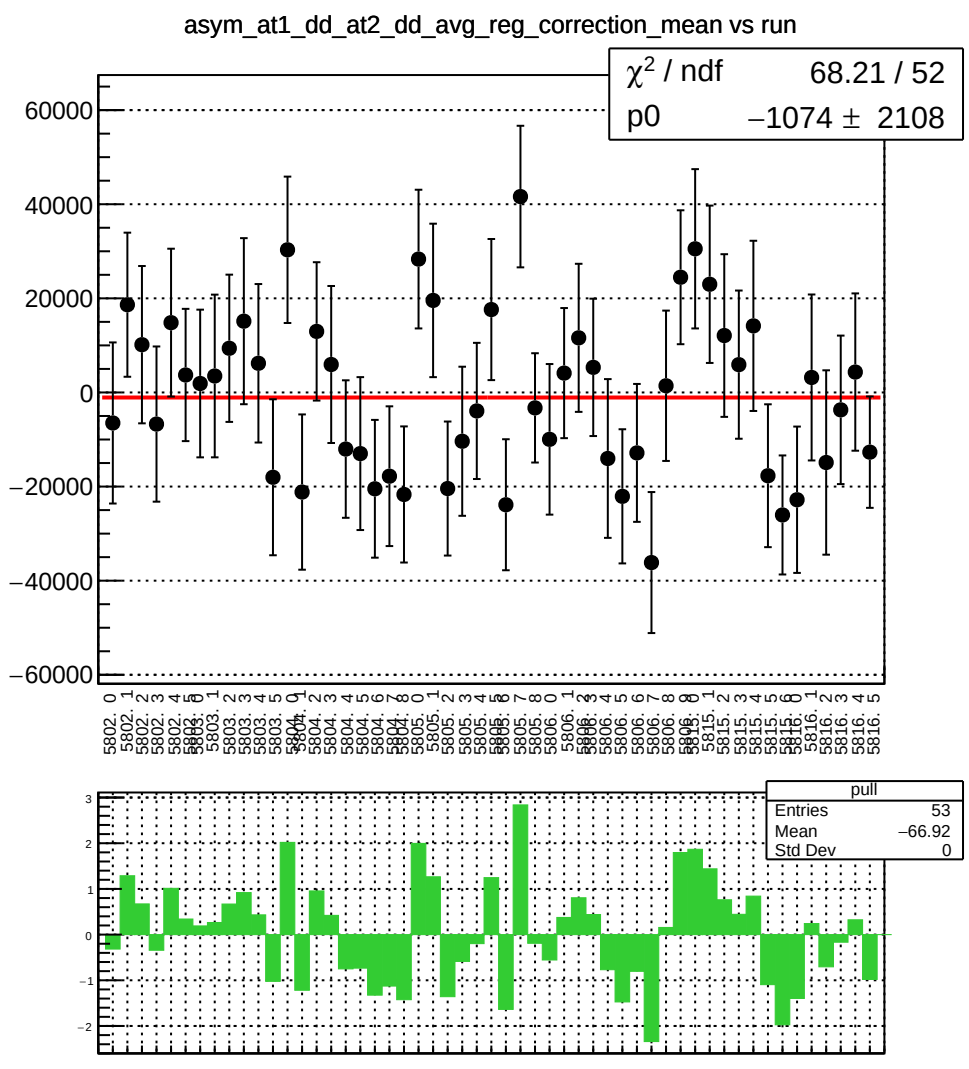

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 50.05 / 52
p0 −1.714e−14 ± 2.258e−14
pull
Entries 53
Mean −63.03
Std Dev 0
pull1D
Entries 53
Mean −0.09731
Std Dev 0.9669

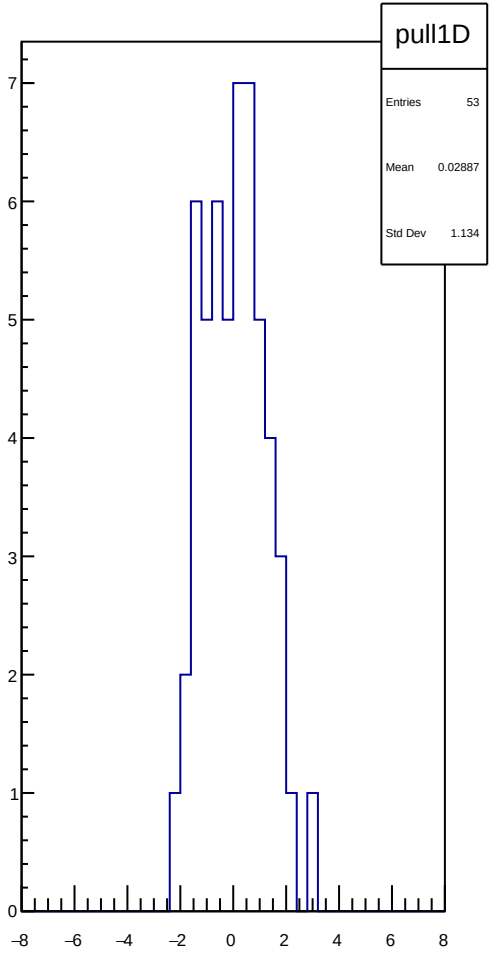

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.414e+05 / 52
p0 1.195e−11 ± 1.597e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

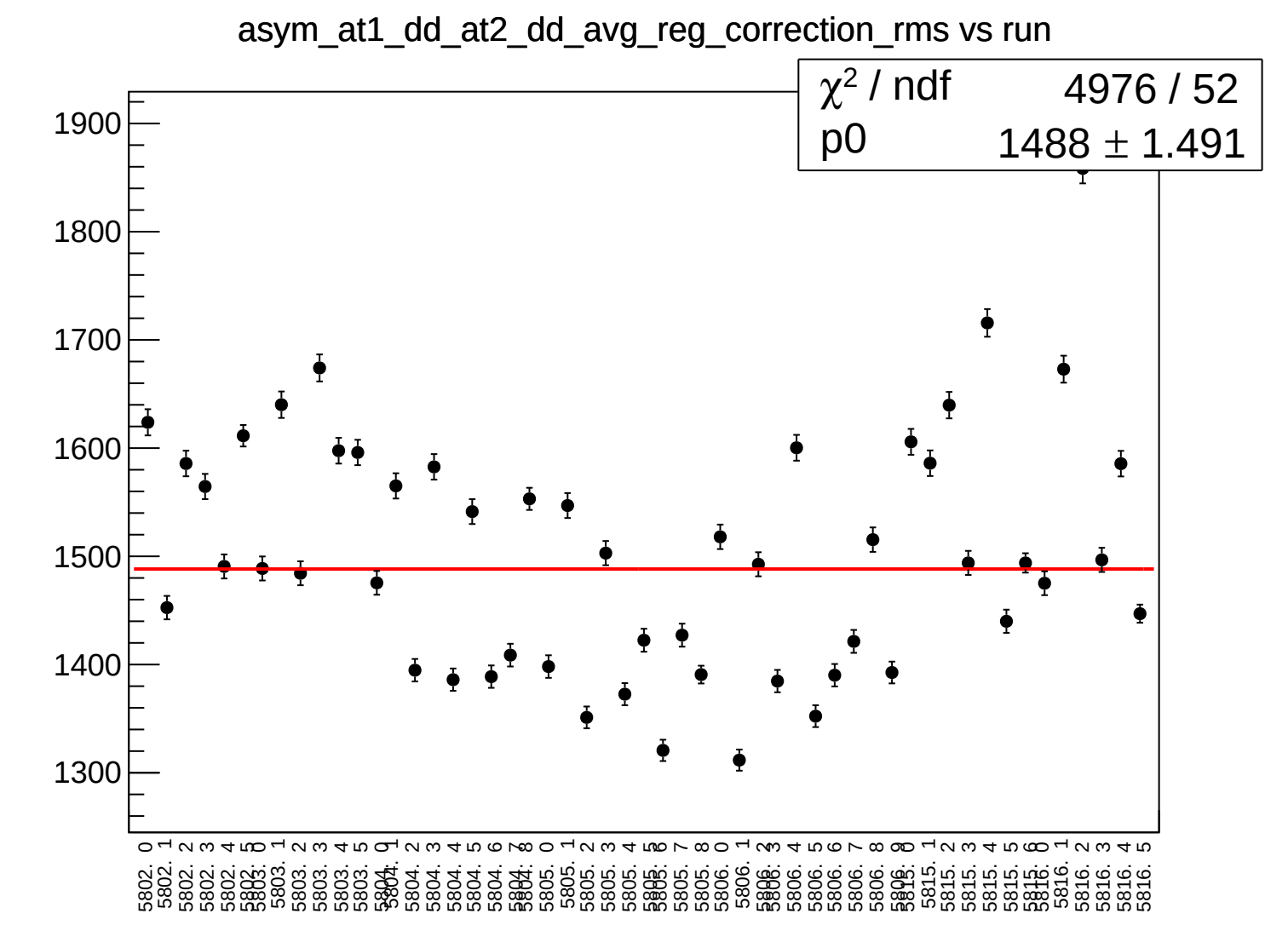

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.82 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −489.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

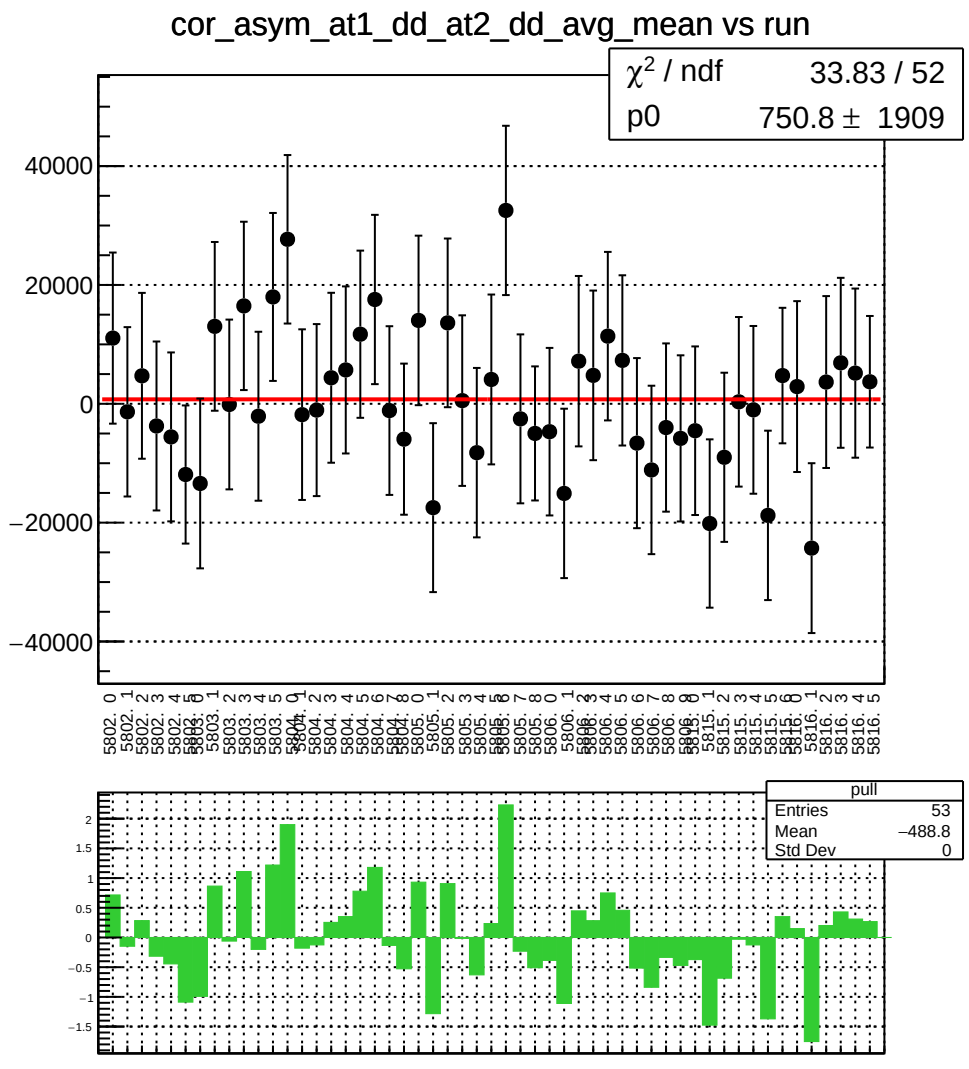

pull1D
Entries 53
Mean 0.005004
Std Dev 0.7988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

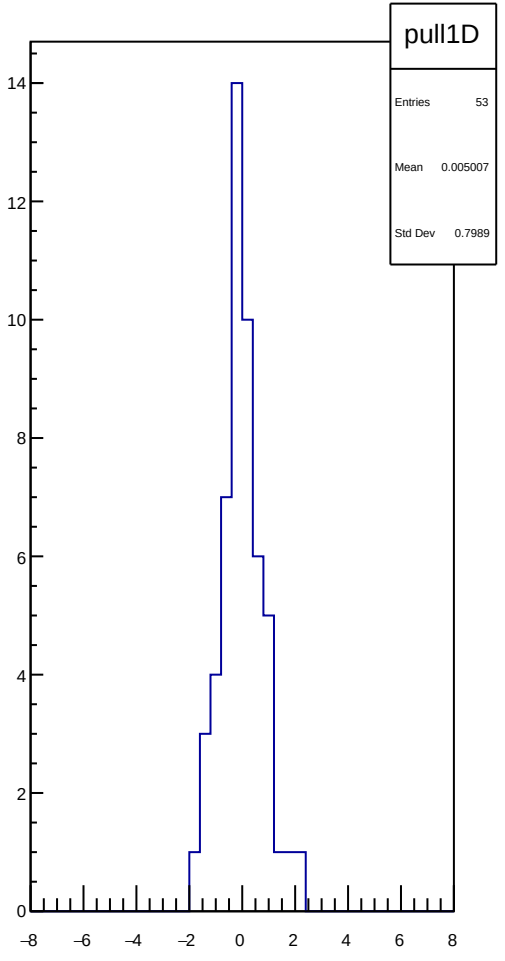

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

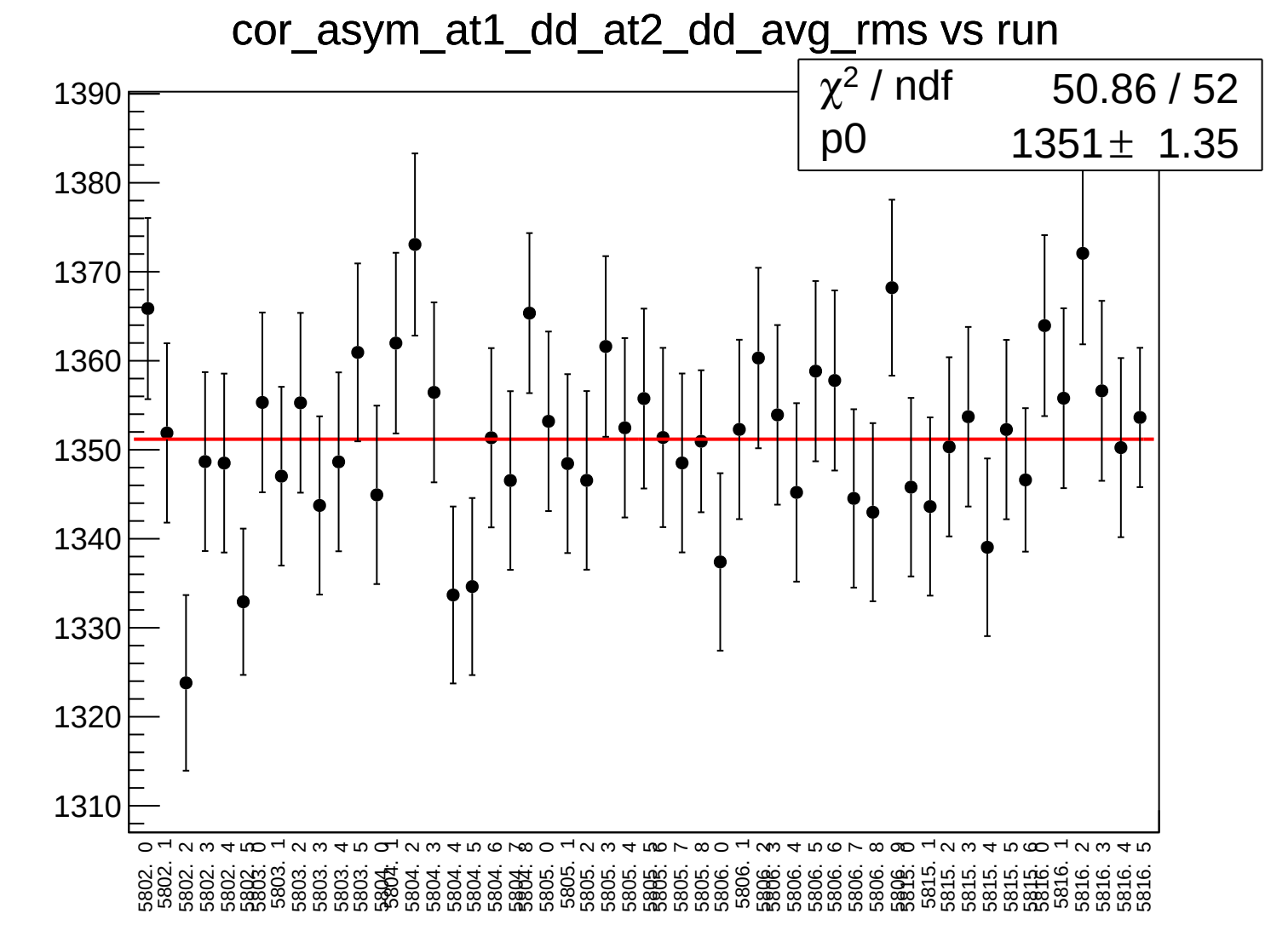

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
pull
Entries 53
Mean −66.92
Std Dev 0

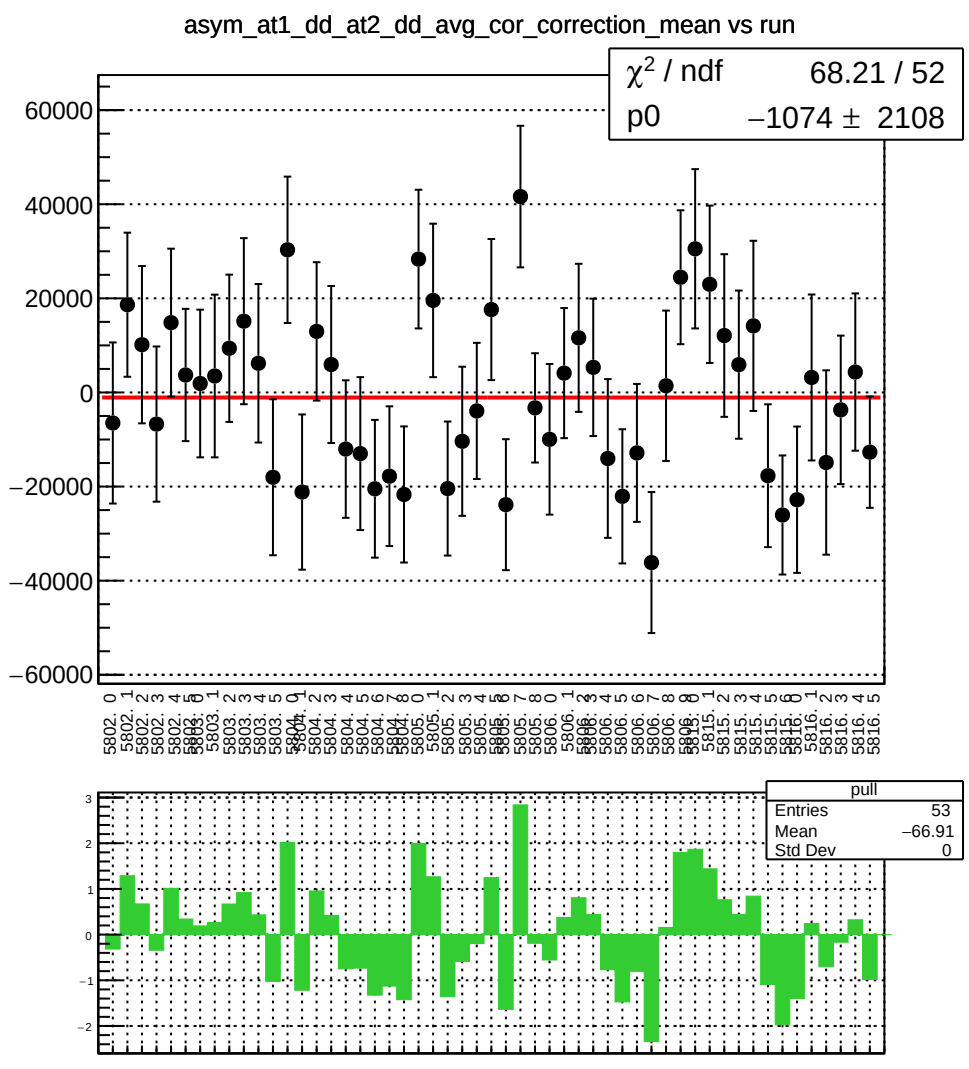

pull1D
Entries 53
Mean 0.02887
Std Dev 1.134

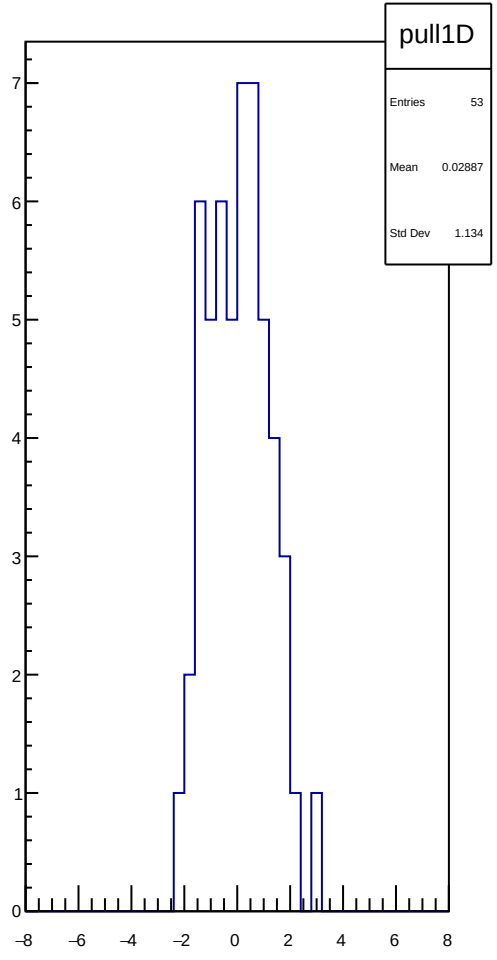

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 4976 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300

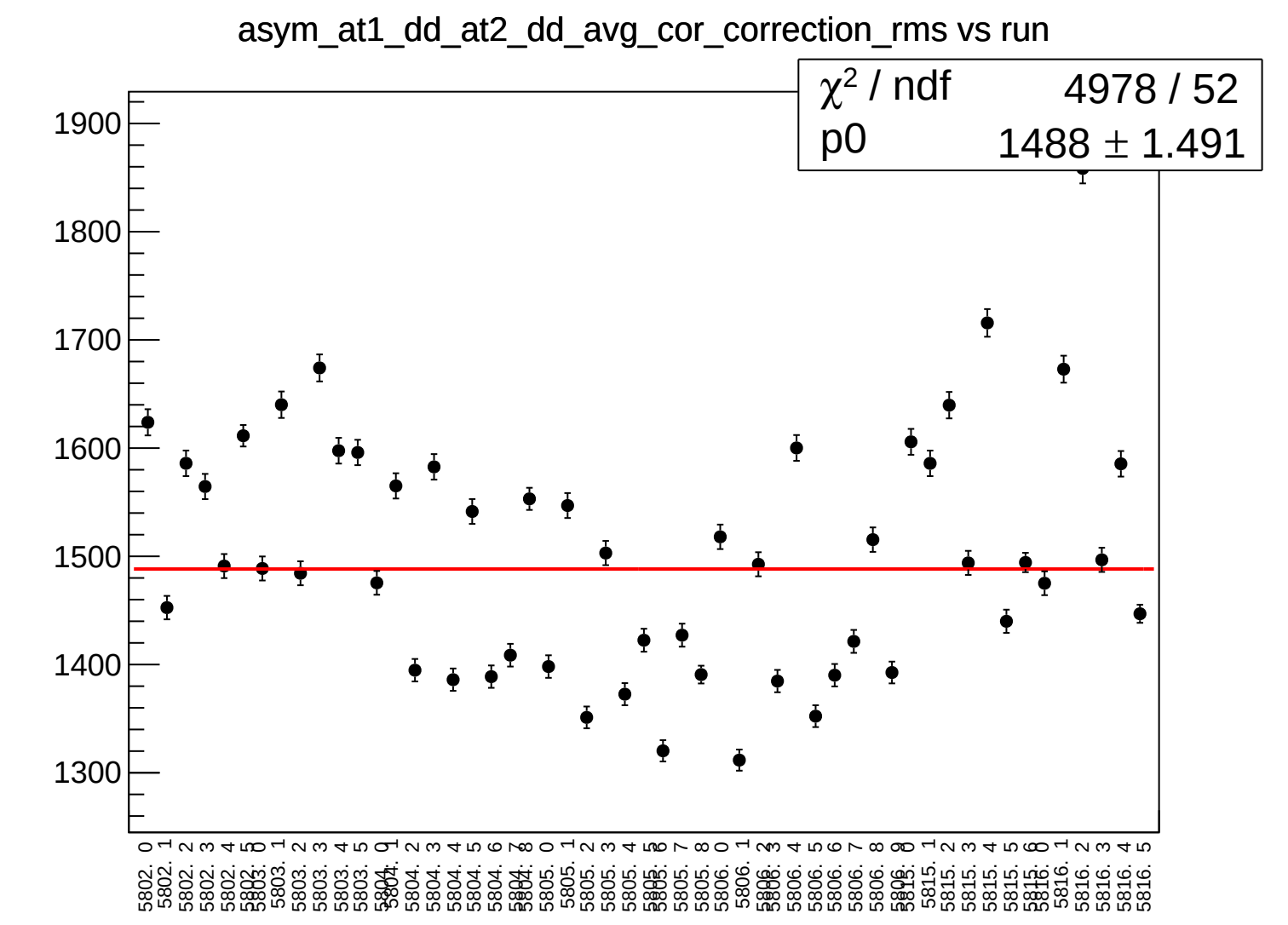

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.83 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −488.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

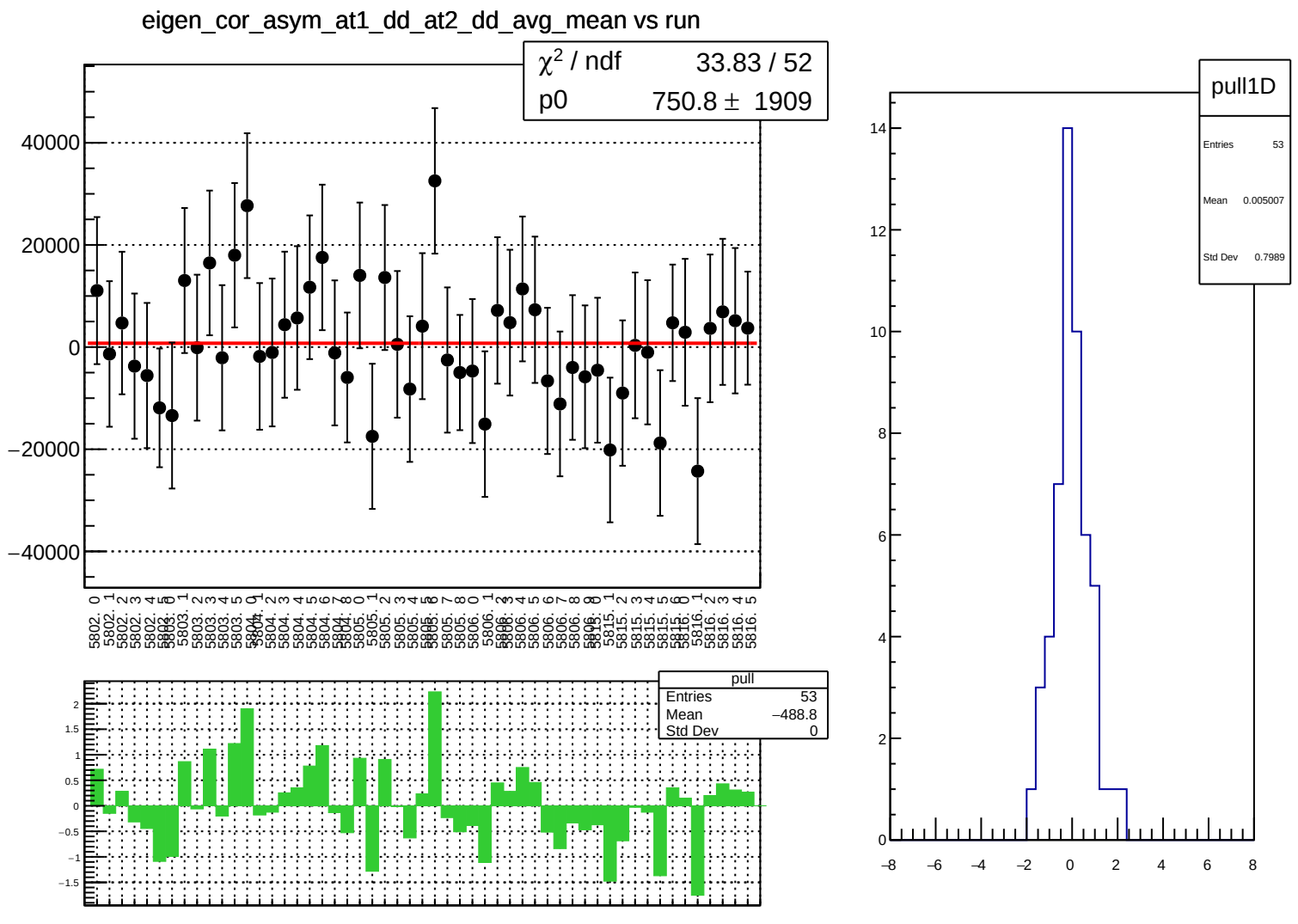

pull1D
Entries 53
Mean 0.005007
Std Dev 0.7989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

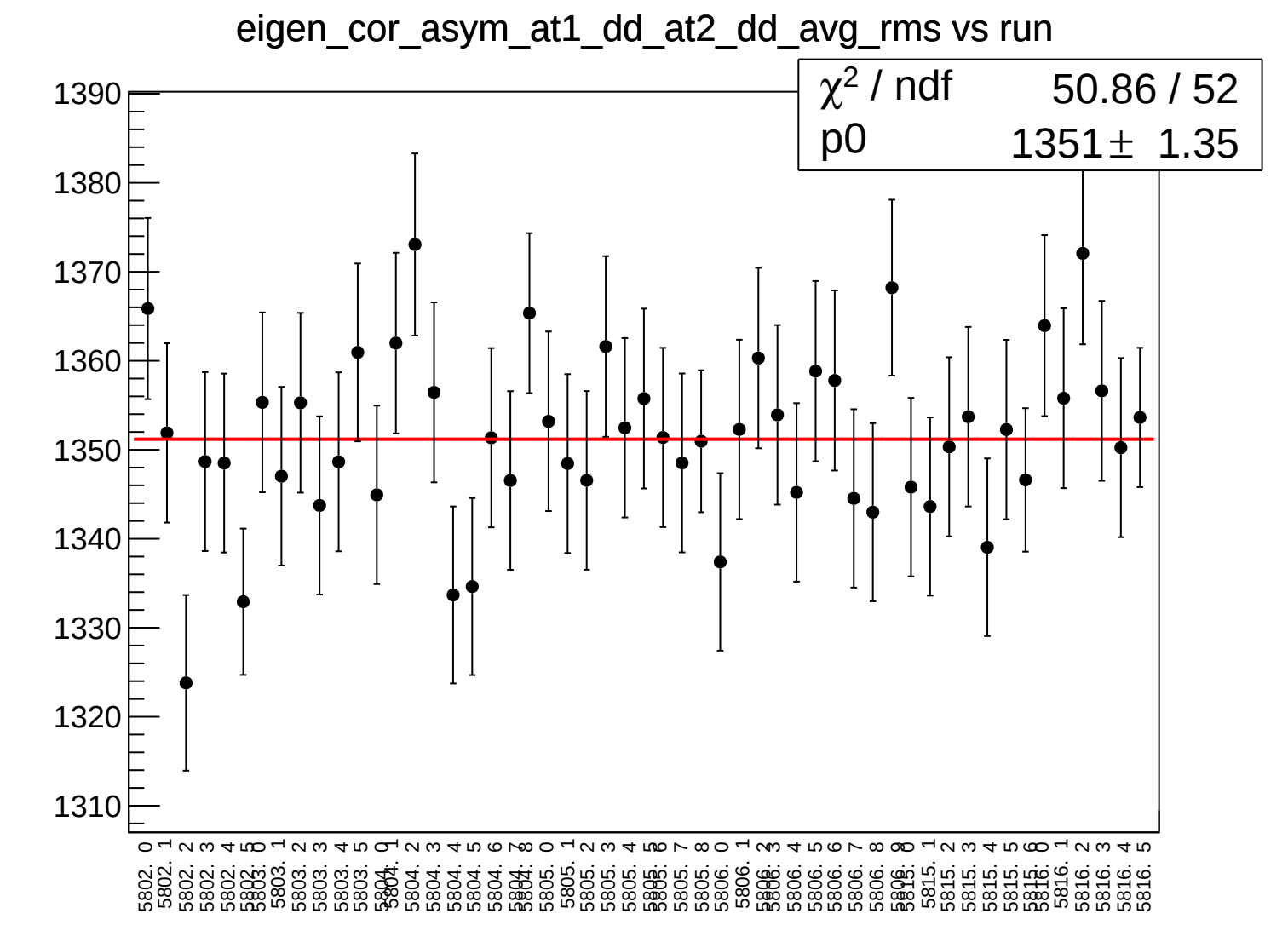

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
pull
Entries 53
Mean −66.91
Std Dev 0


pull1D
Entries 53
Mean 0.02887
Std Dev 1.134


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 4978 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.83 / 52
p0 750.8 ± 1909
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −488.8
Std Dev 0
pull1D
Entries 53
Mean 0.005007
Std Dev 0.7989


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 50.86 / 52
p0 1351 ± 1.35
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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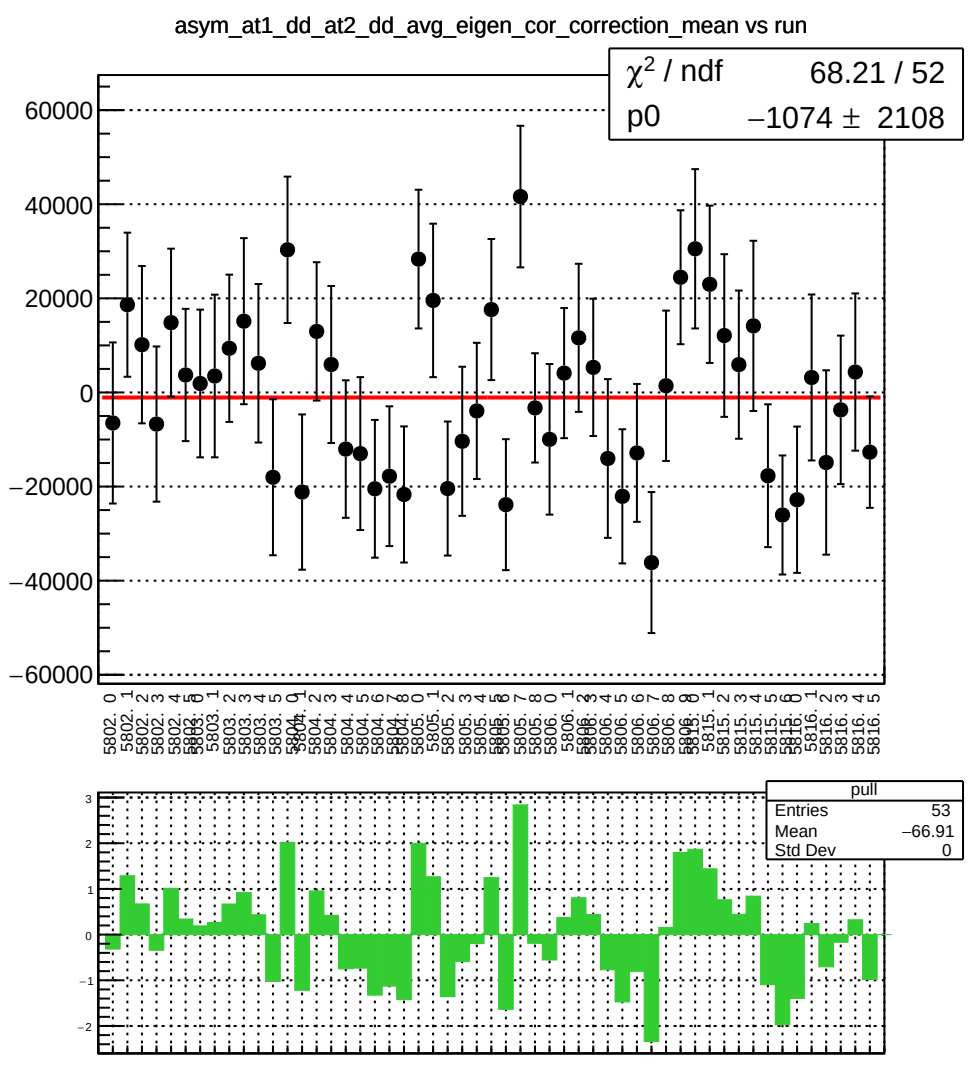
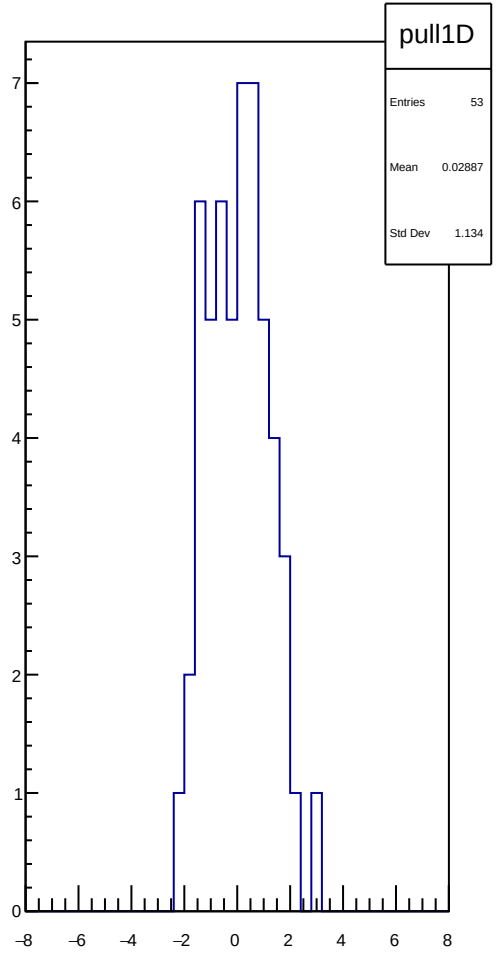
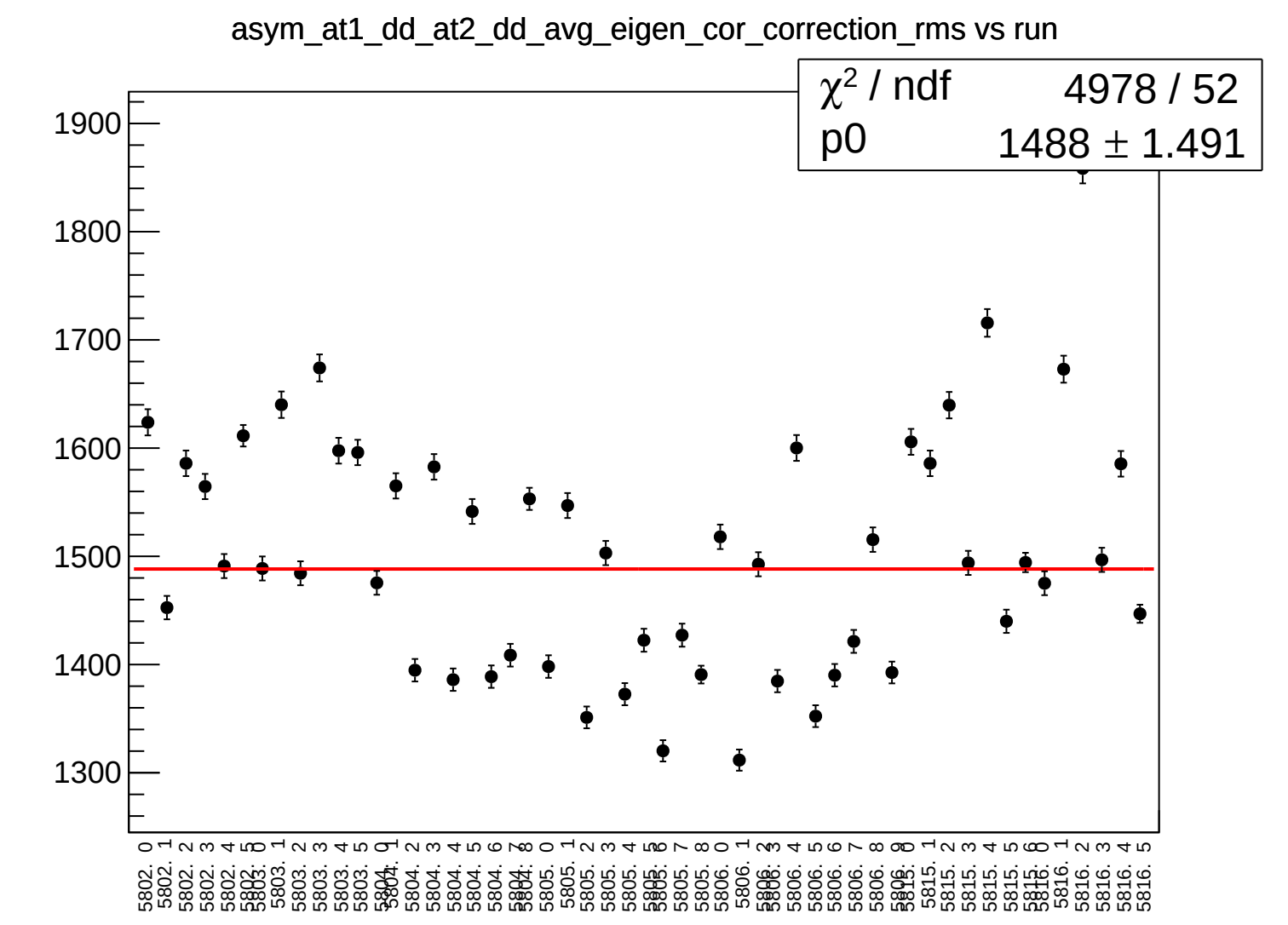
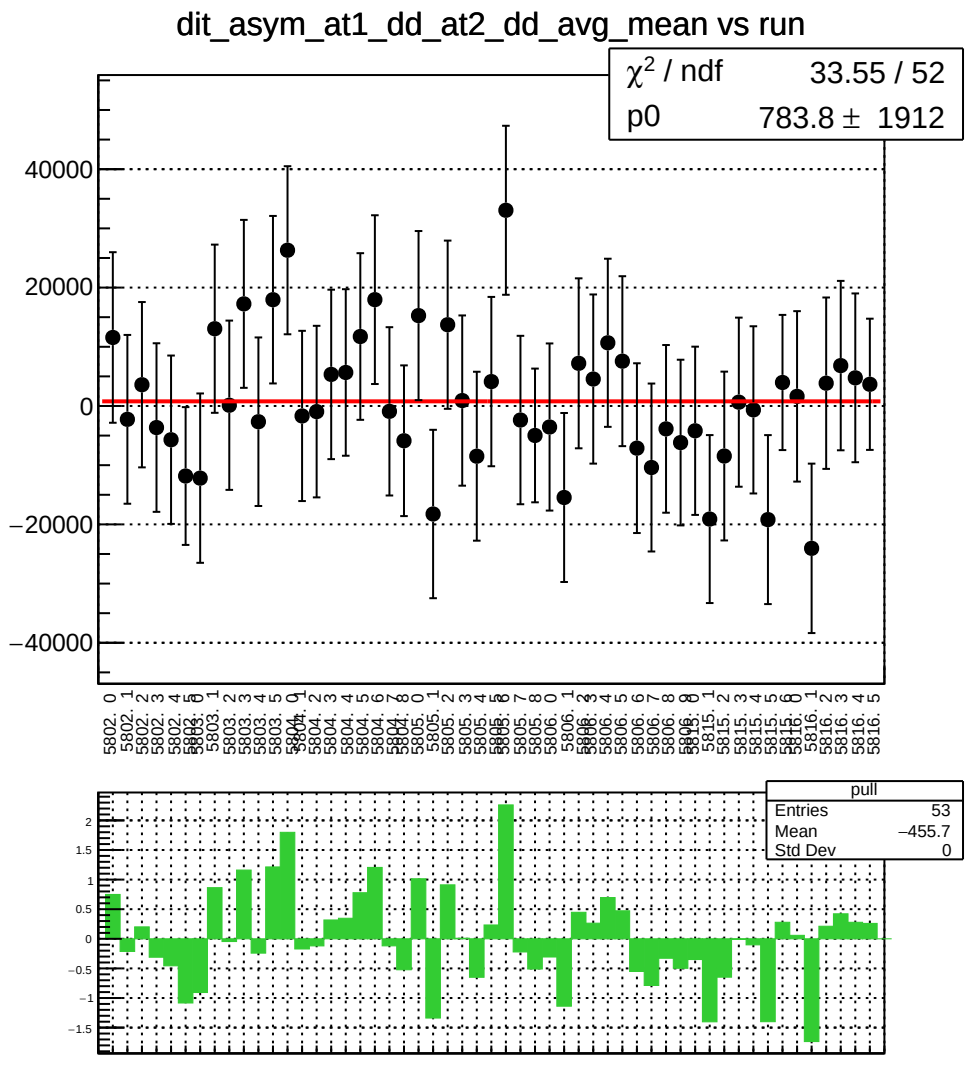
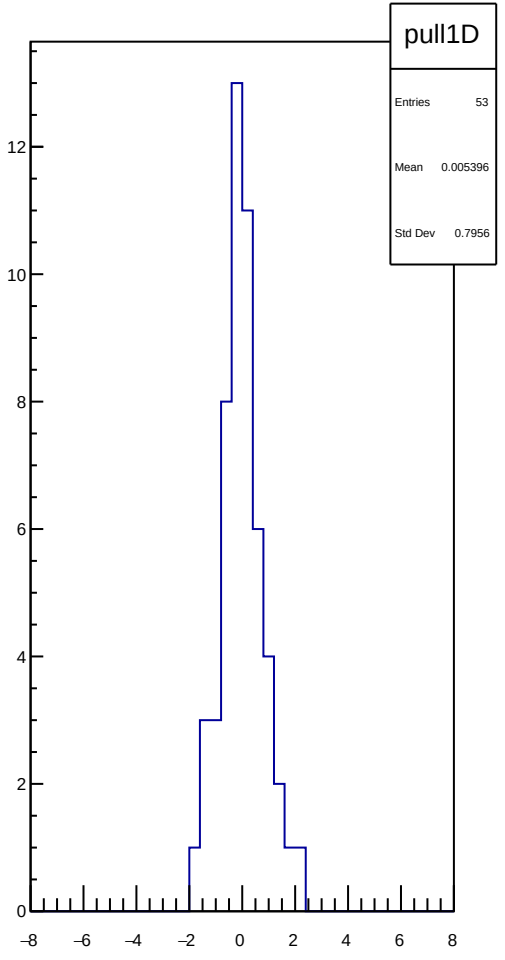
5816. 4
5816. 5

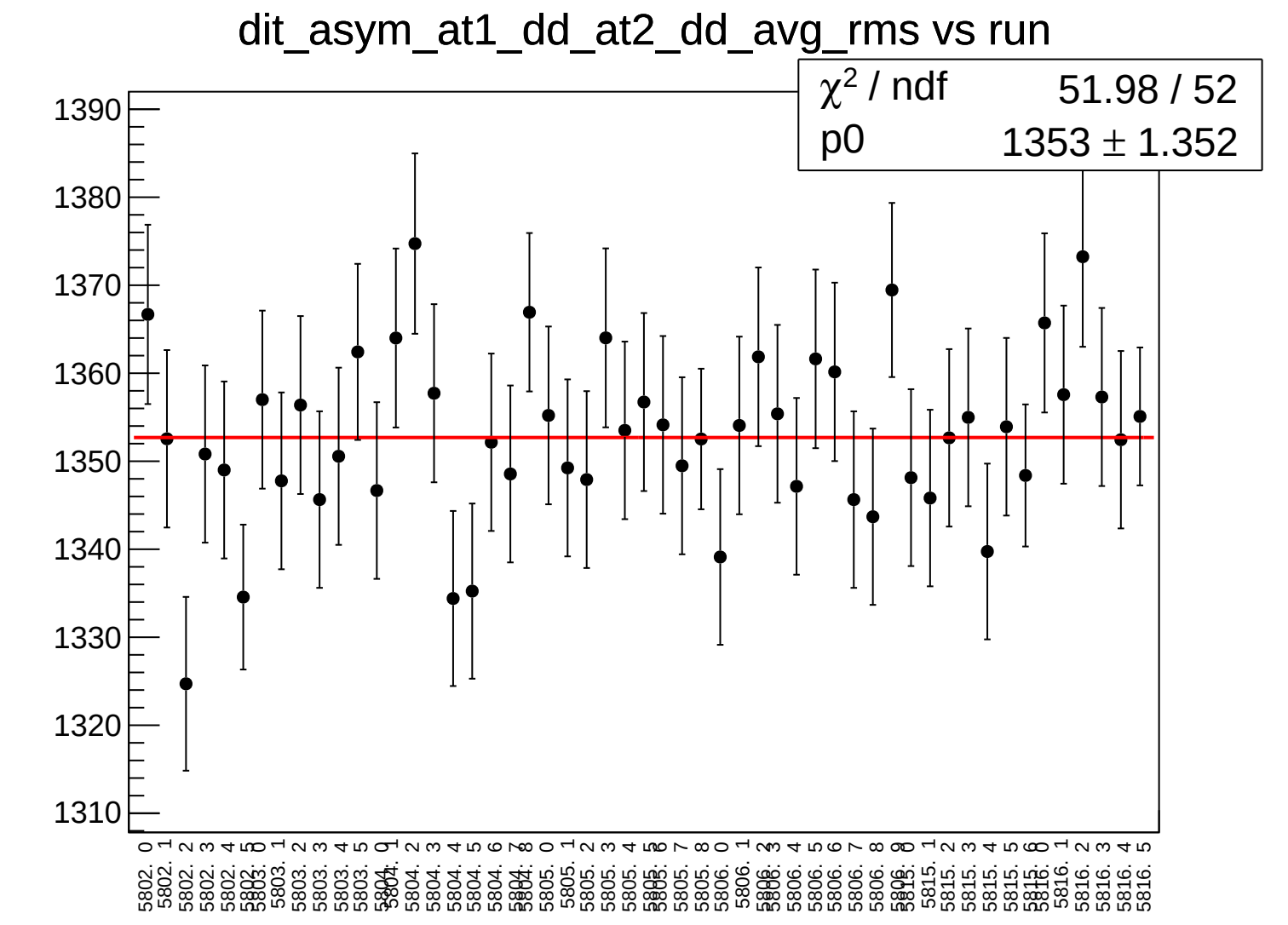

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.21 / 52
p0 −1074 ± 2108
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −66.91
Std Dev 0

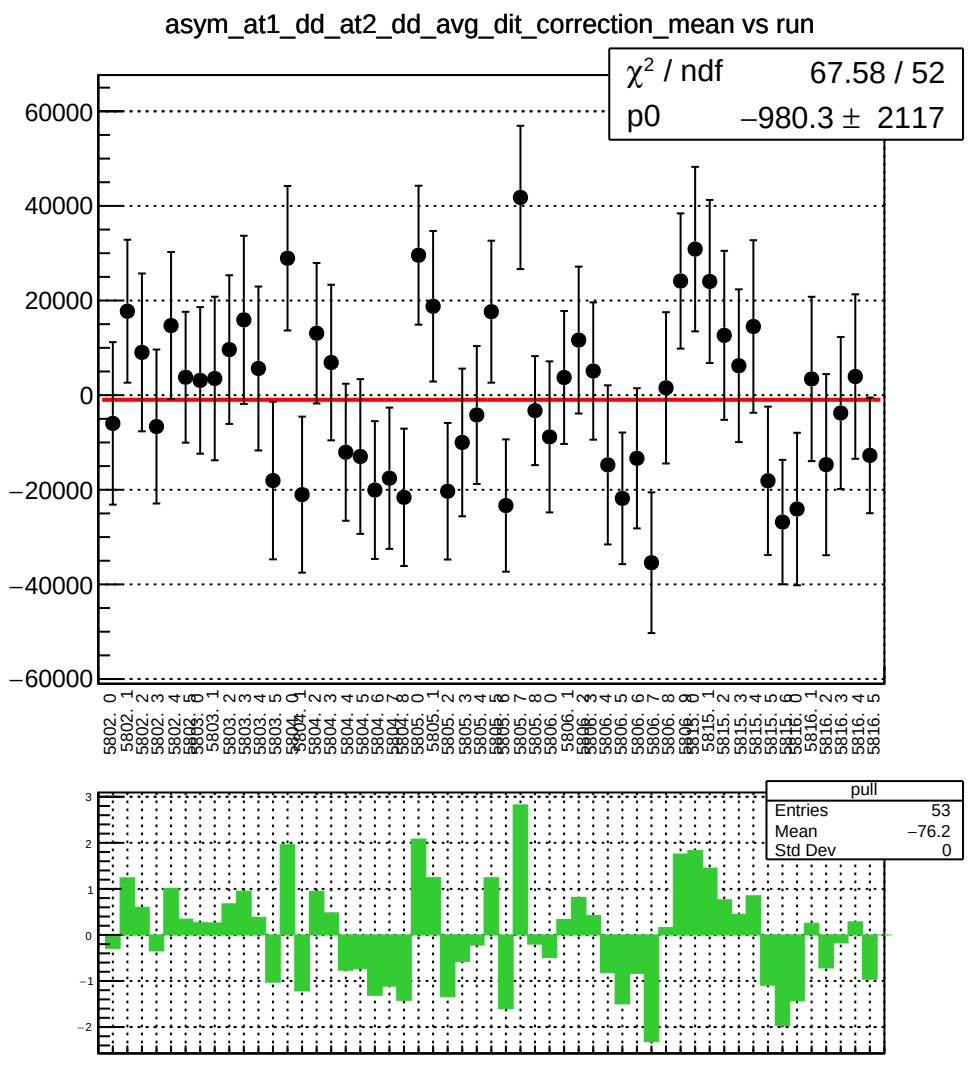

pull1D
Entries 53
Mean 0.02887
Std Dev 1.134

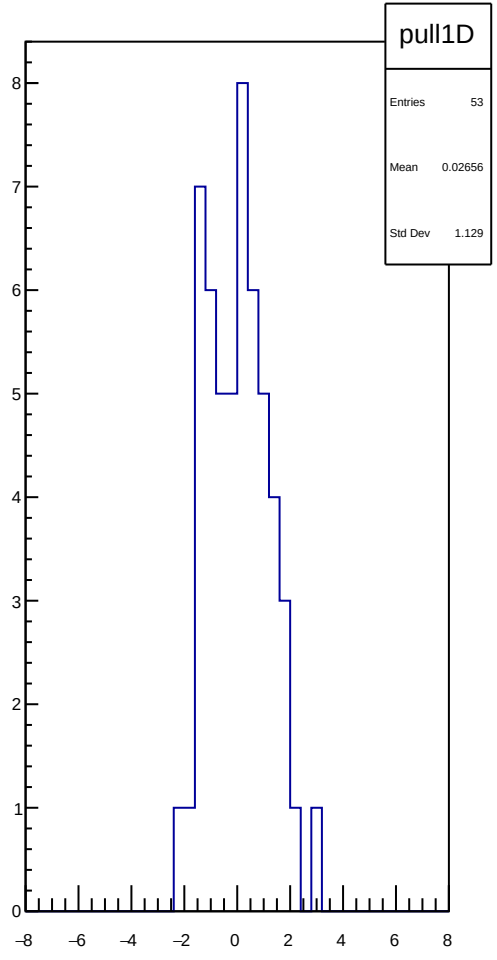

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4978 / 52
p0 1488 ± 1.491
1900
1800
1700
1600
1500
1400
1300

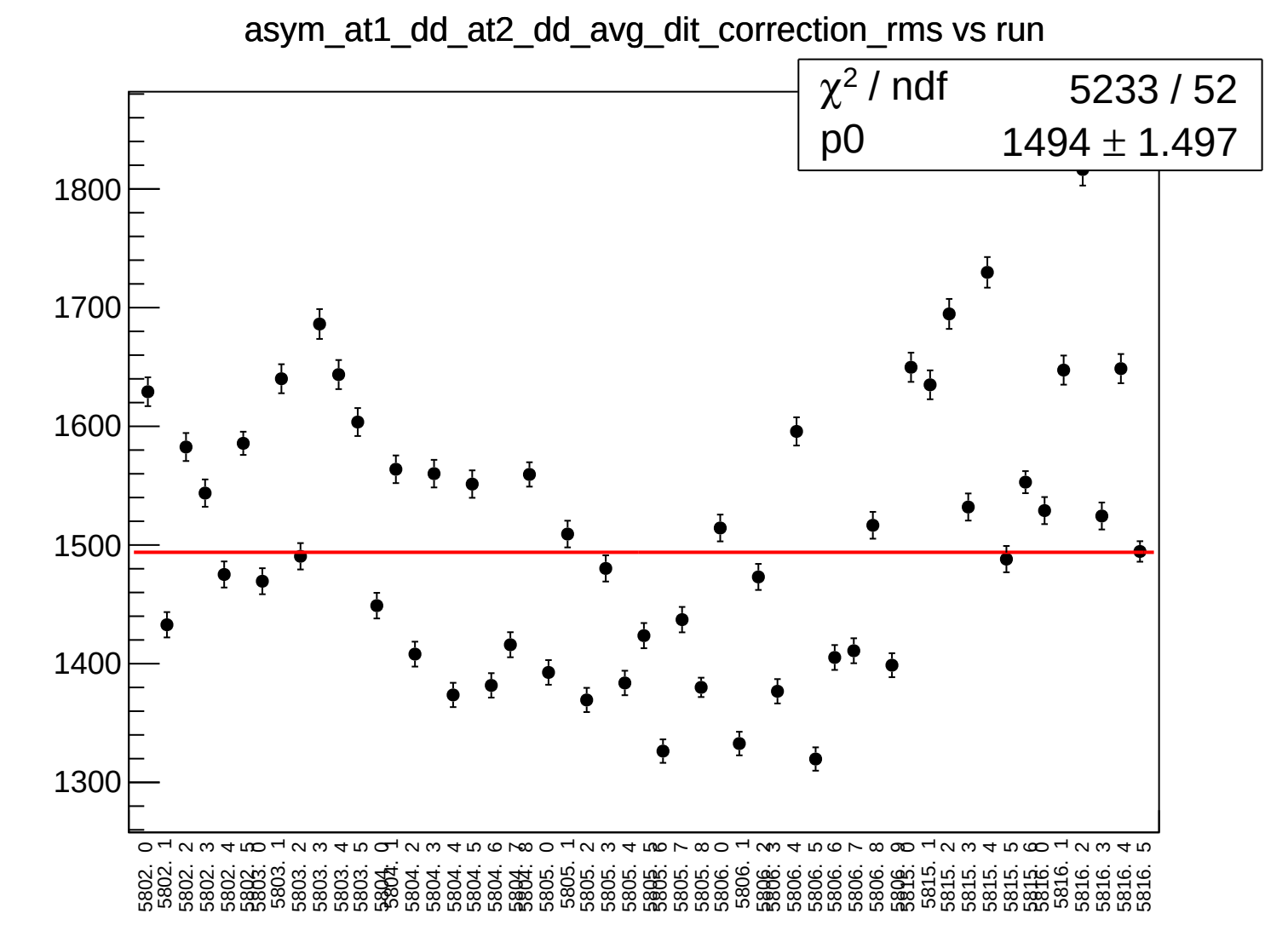

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.55 / 52
p0 783.8 ± 1912
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −455.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

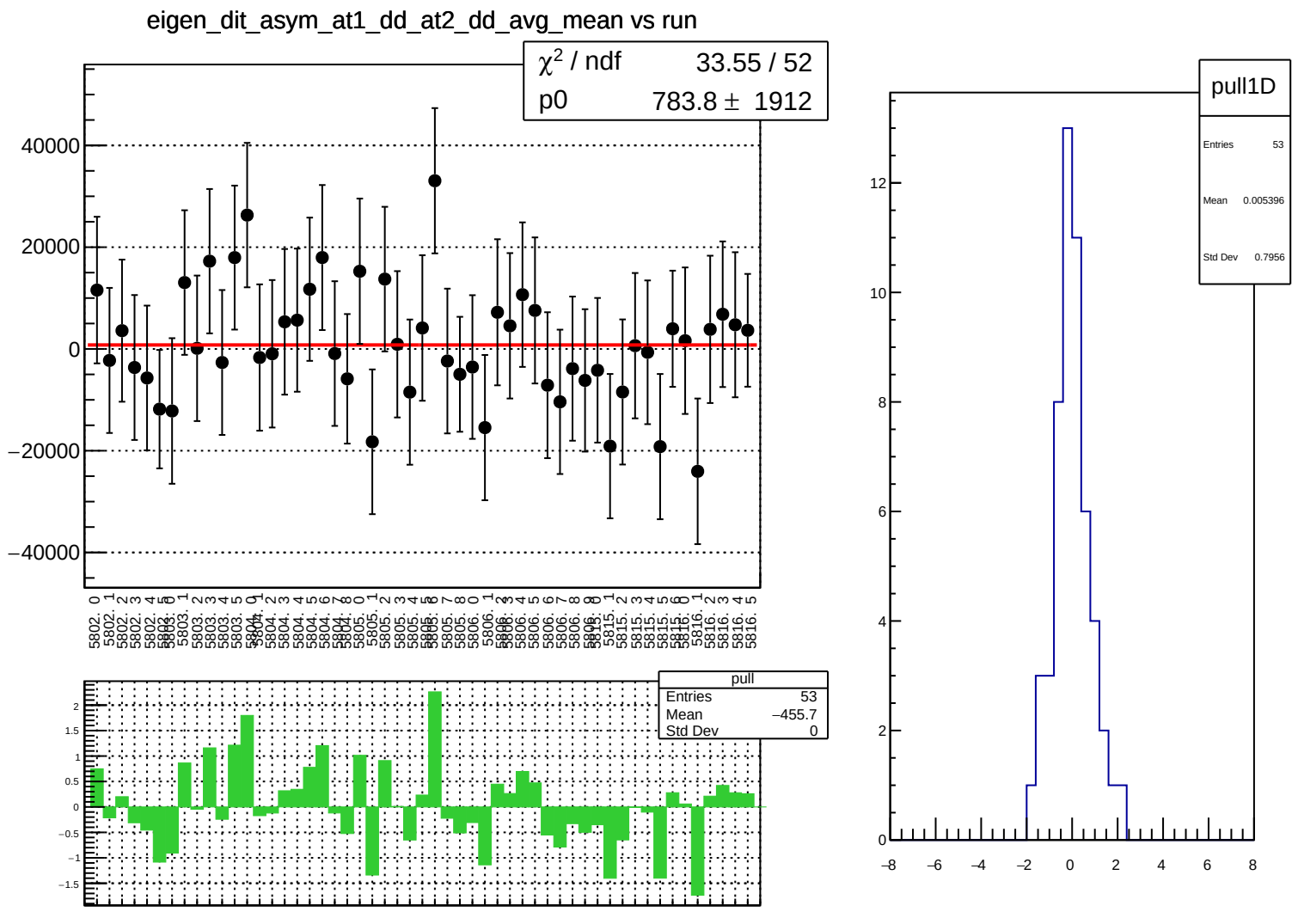

pull1D
Entries 53
Mean 0.005396
Std Dev 0.7956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

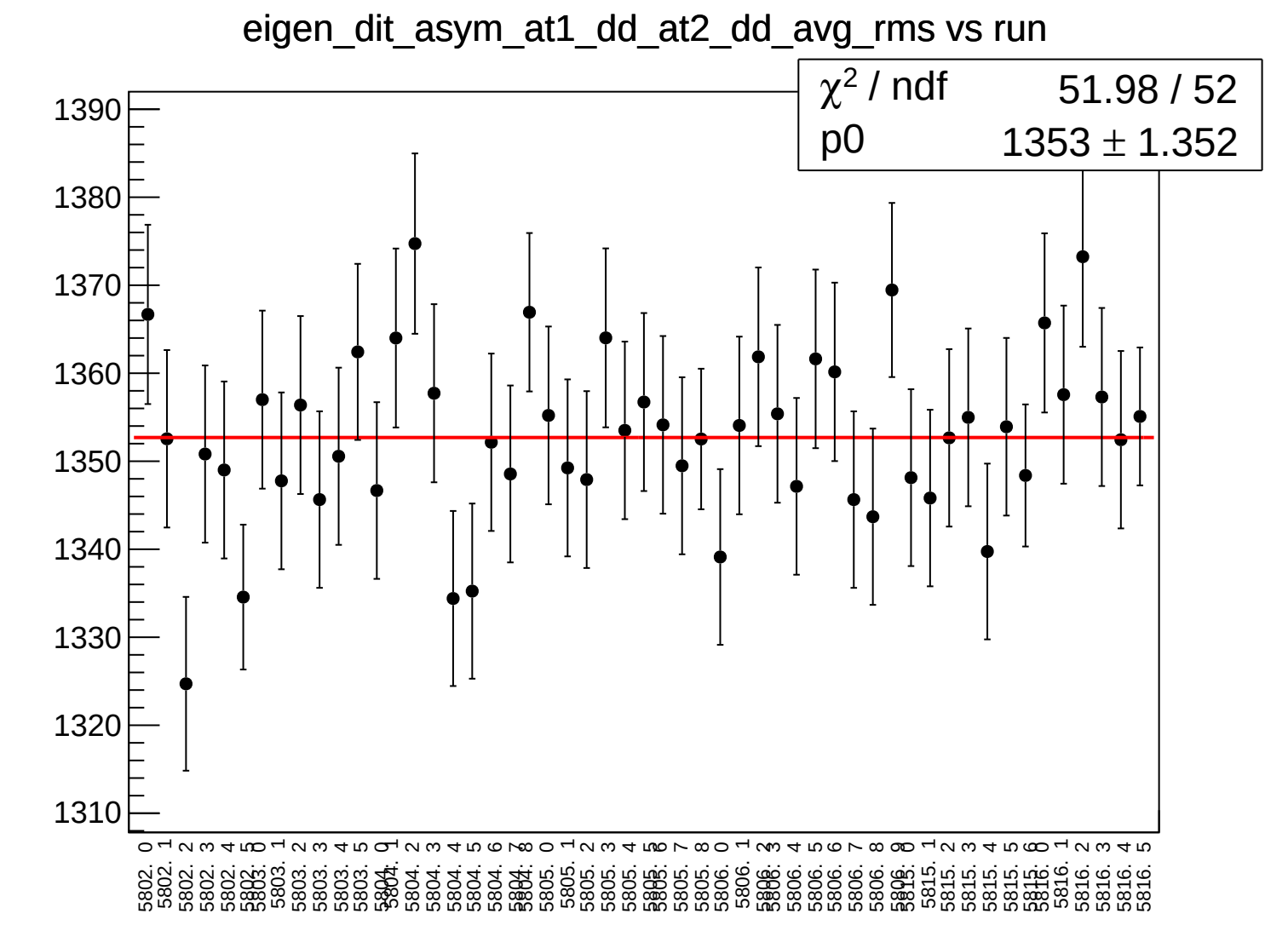

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 51.98 / 52
p0 1353 ± 1.352
1390
1380
1370
1360
1350
1340
1330
1320
1310

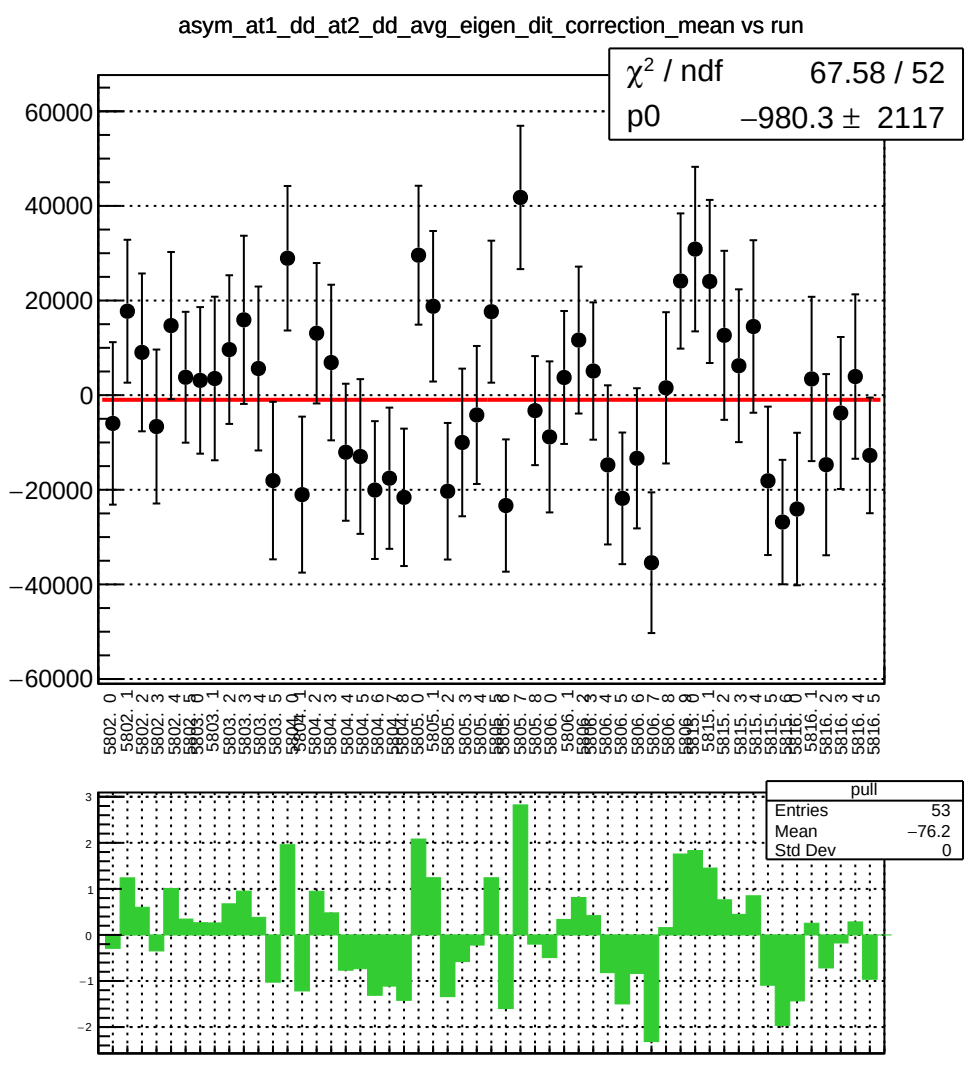

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 67.58 / 52
p0 −980.3 ± 2117
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −76.2
Std Dev 0
3
2
1
0
−1
−2

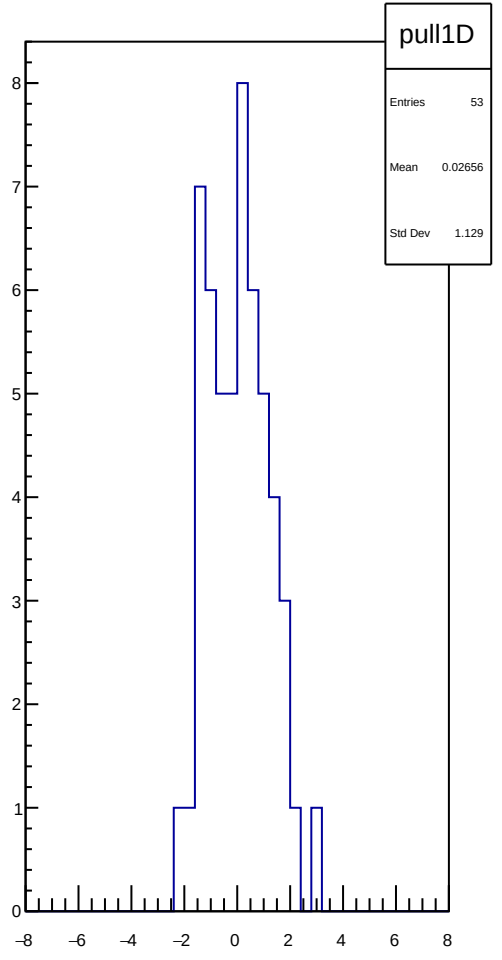

pull1D
Entries 53
Mean 0.02656
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

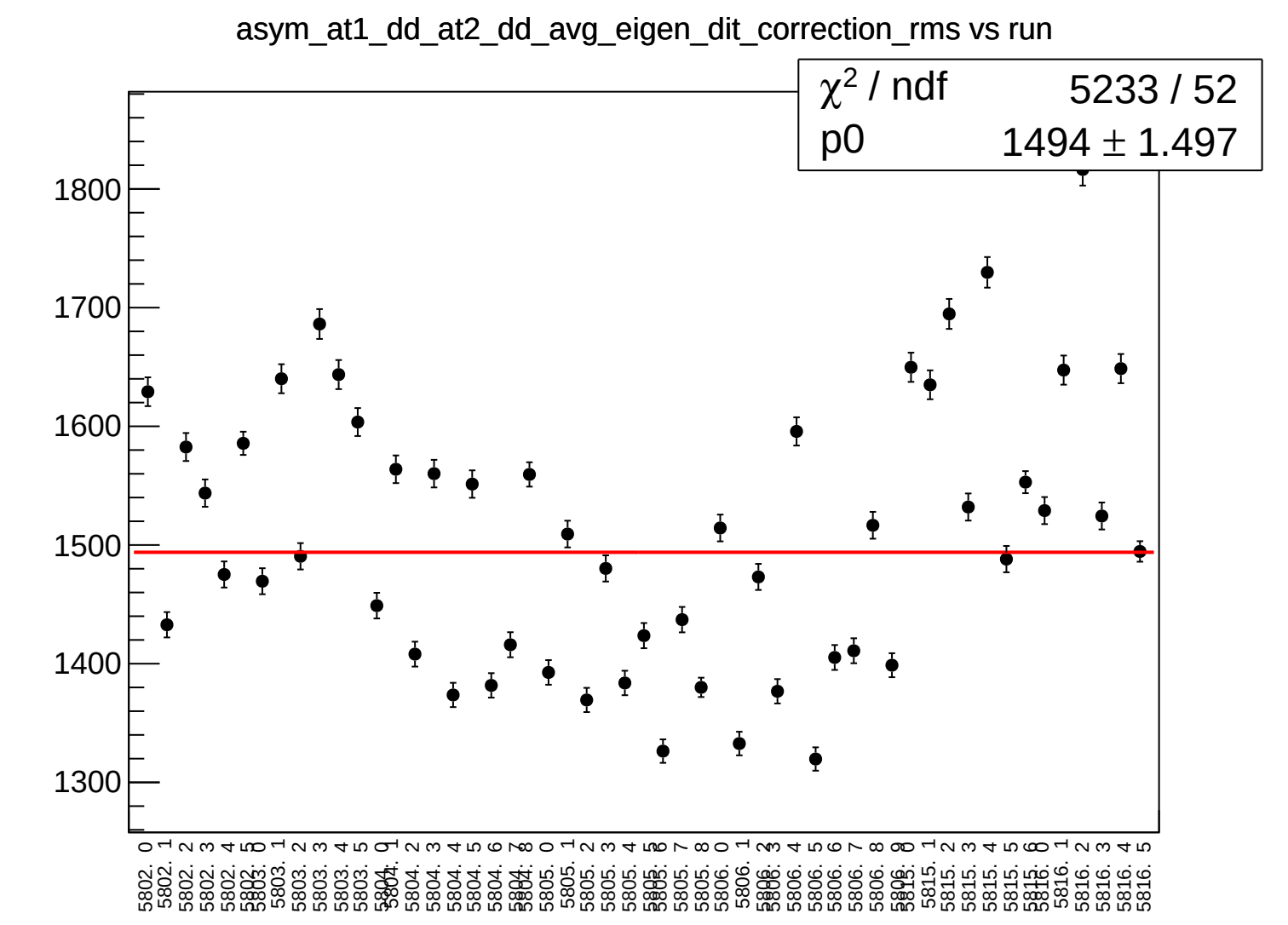

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 5233 / 52
p0 1494 ± 1.497
1800
1700
1600
1500
1400
1300

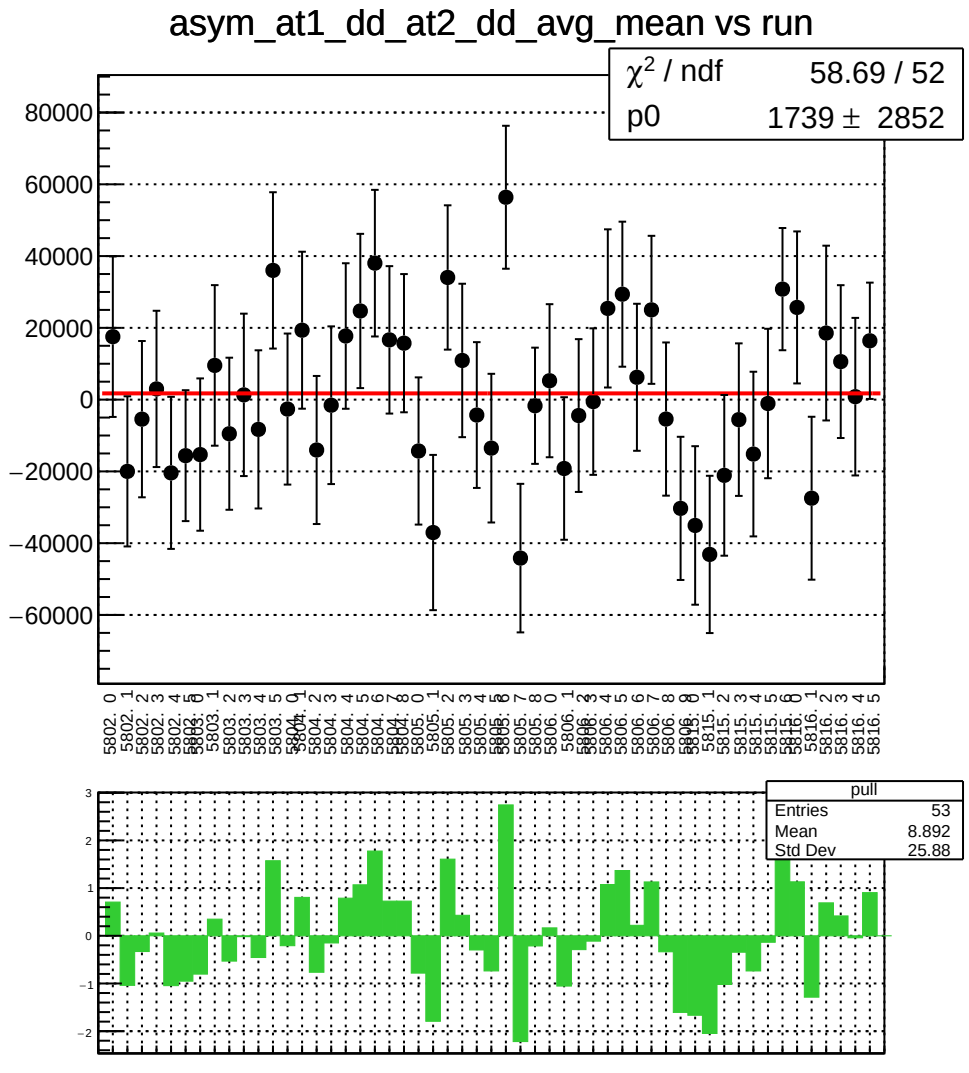

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.55 / 52
p0 783.8 ± 1912
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −455.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean 0.005396
Std Dev 0.7956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

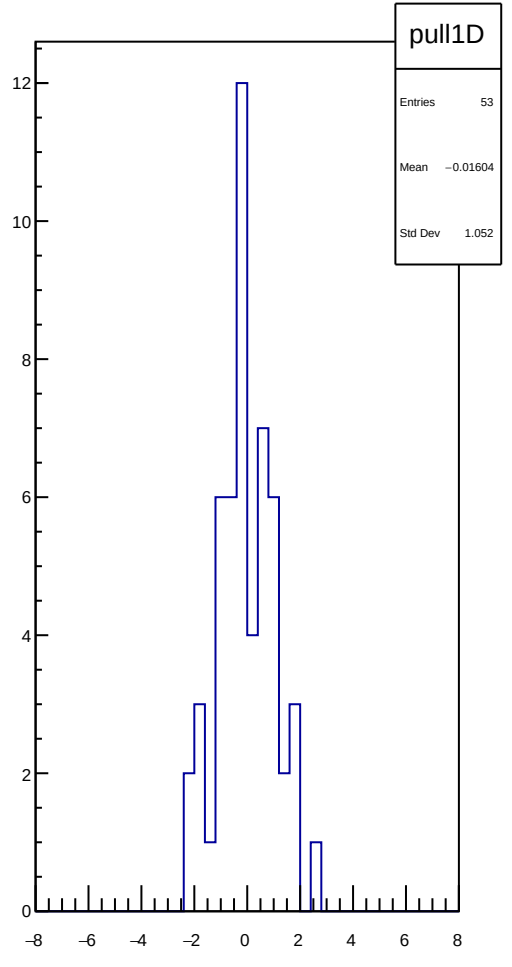

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 51.98 / 52
p0 1353 ± 1.352
1390
1380
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

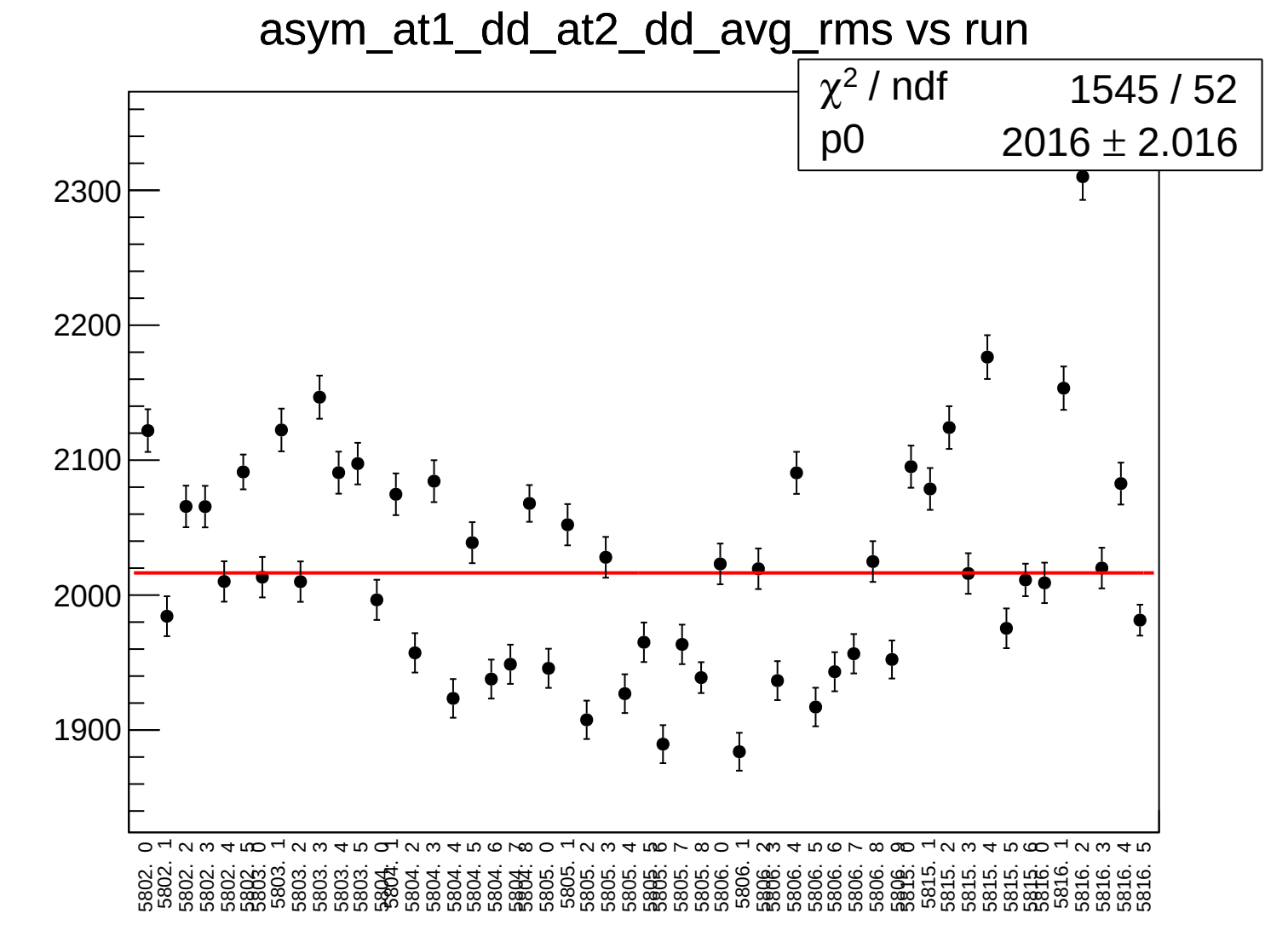

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 67.58 / 52
p0 −980.3 ± 2117
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −76.2
Std Dev 0
3
2
1
0
−1
−2

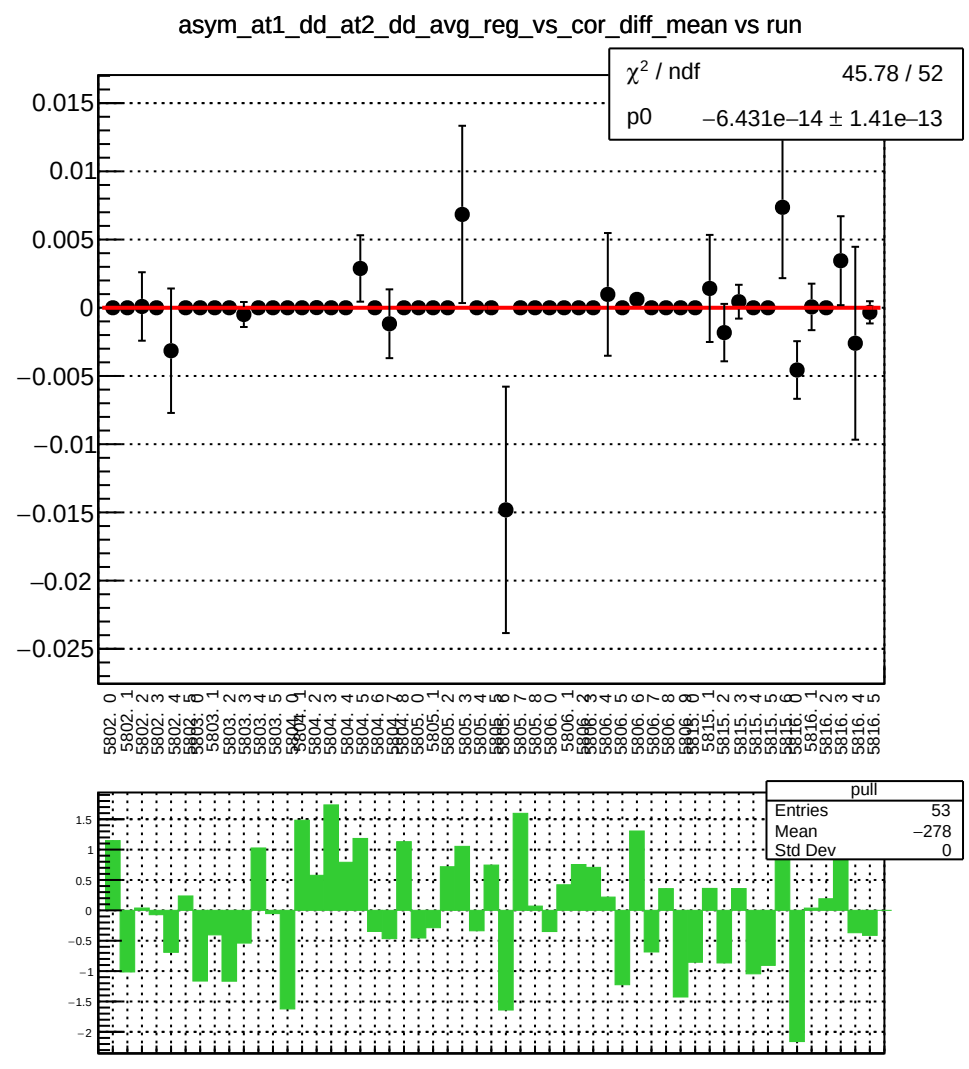

pull1D
Entries 53
Mean 0.02656
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

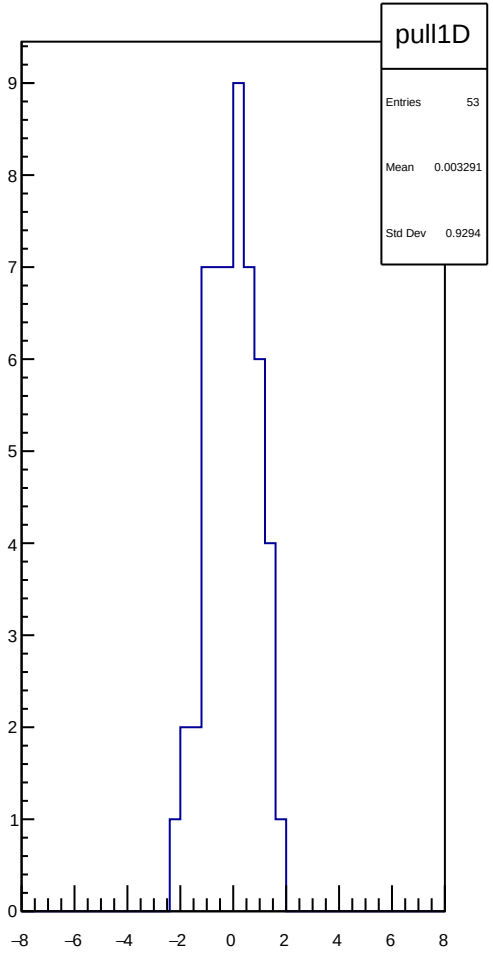

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5233 / 52
p0 1494 ± 1.497
1800
1700
1600
1500
1400
1300

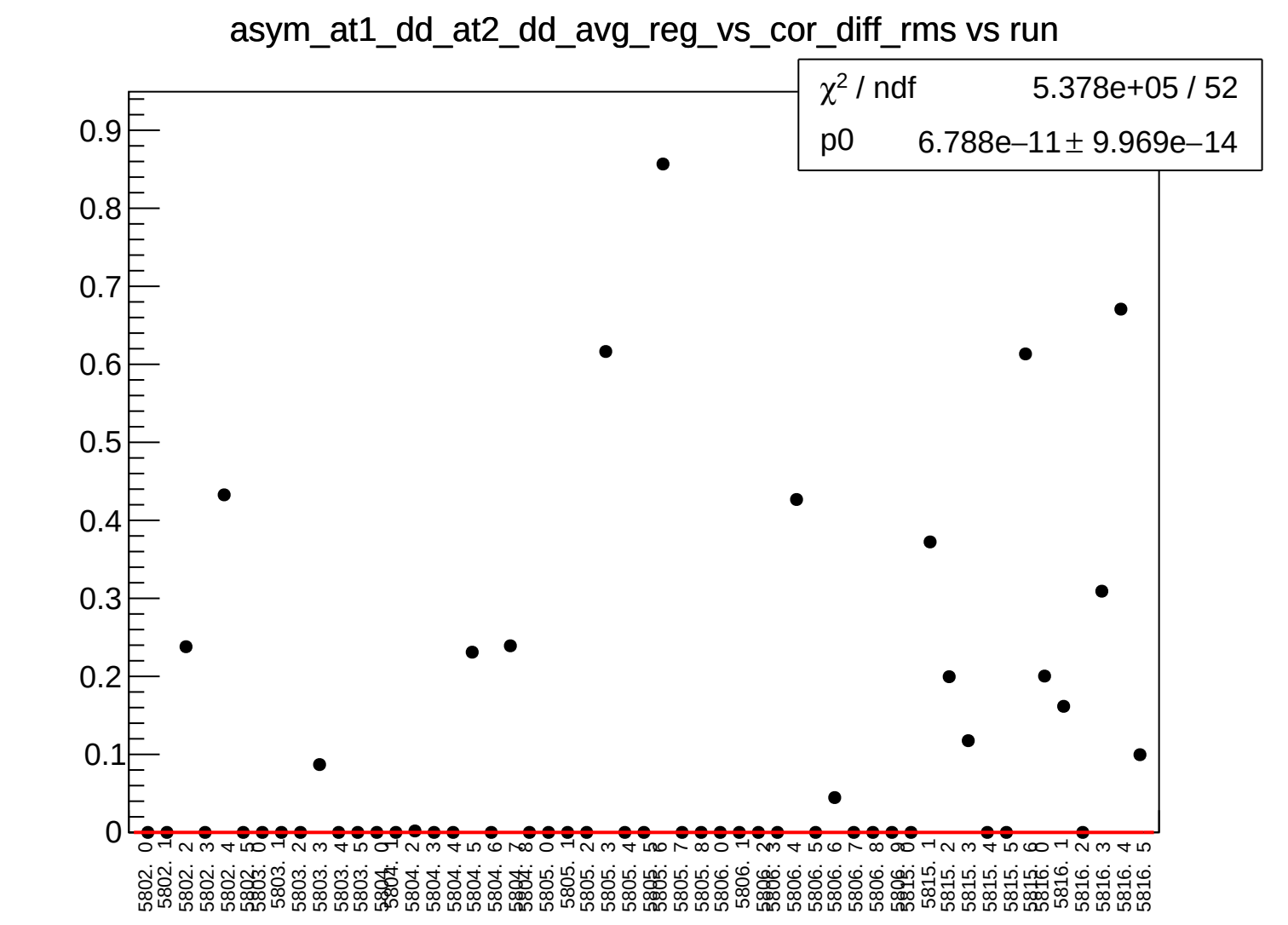

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 58.69 / 52
p0 1739 ± 2852
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 8.892
Std Dev 25.88
3
2
1
0
−1
−2

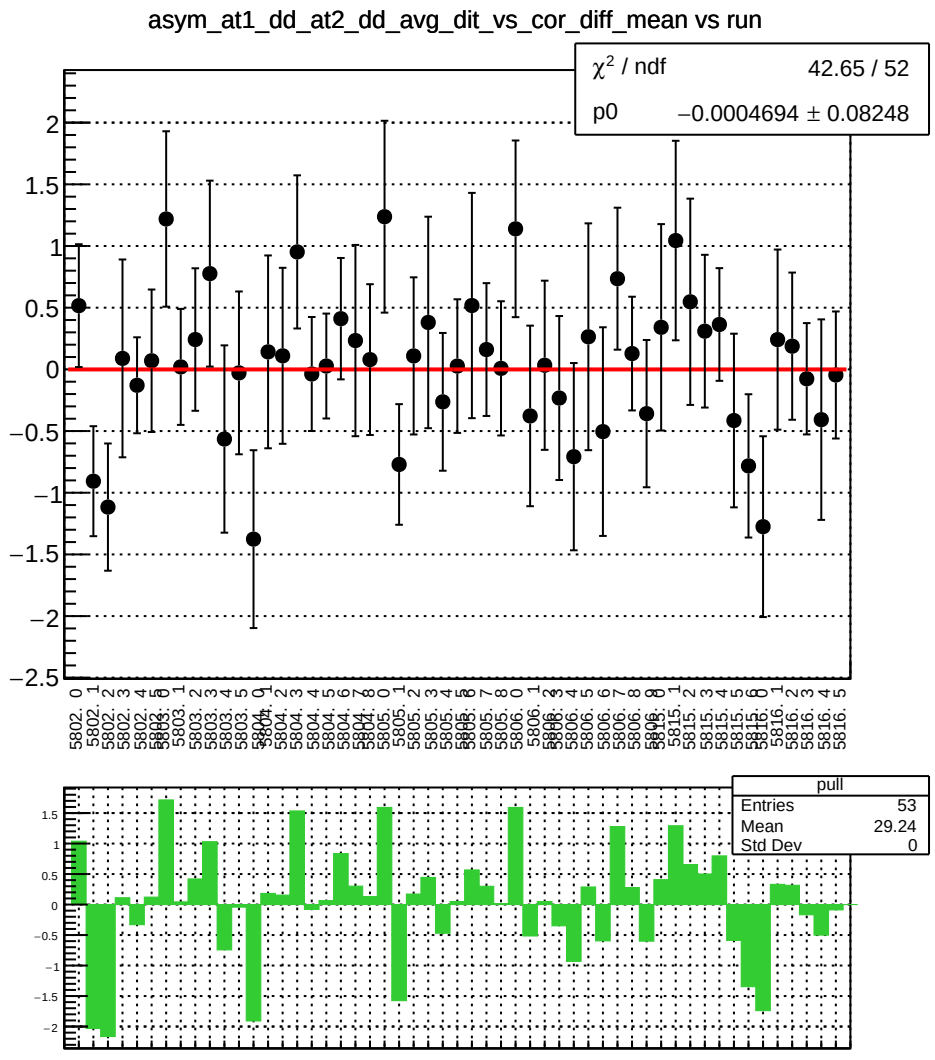

pull1D
Entries 53
Mean −0.01604
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

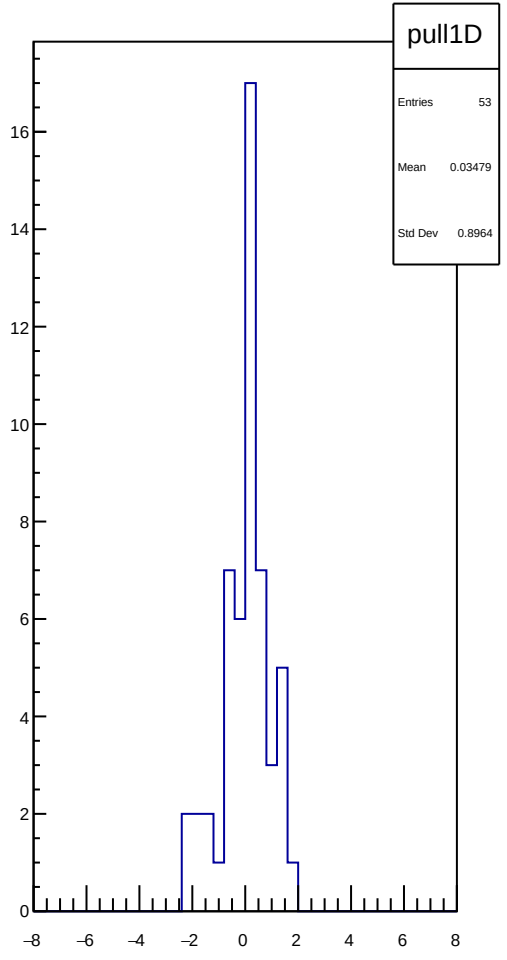

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1545 / 52
p0 2016 ± 2.016
2300
2200
2100
2000
1900

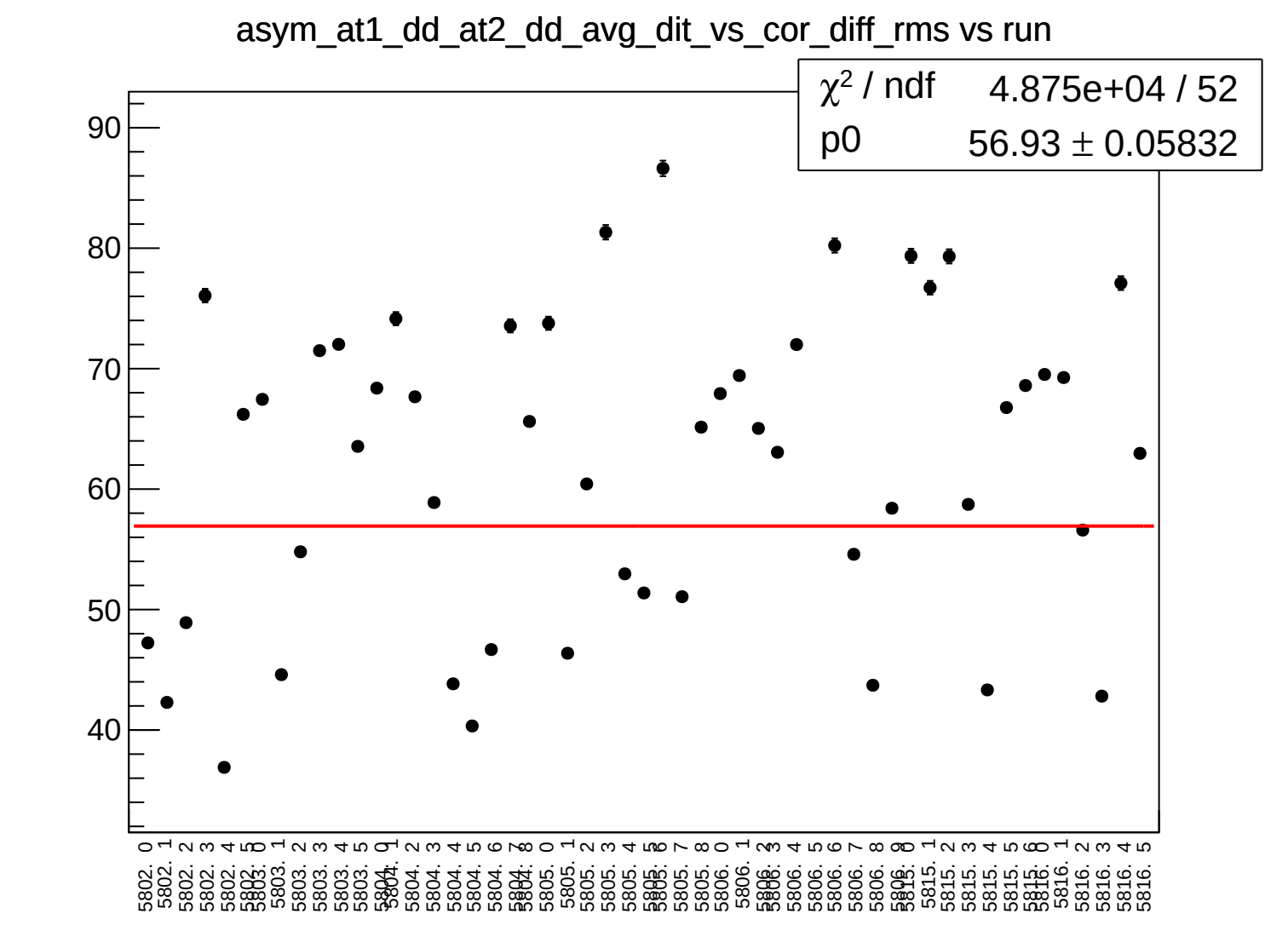

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.78 / 52
p0 −6.431e−14 ± 1.41e−13
pull
Entries 53
Mean −278
Std Dev 0

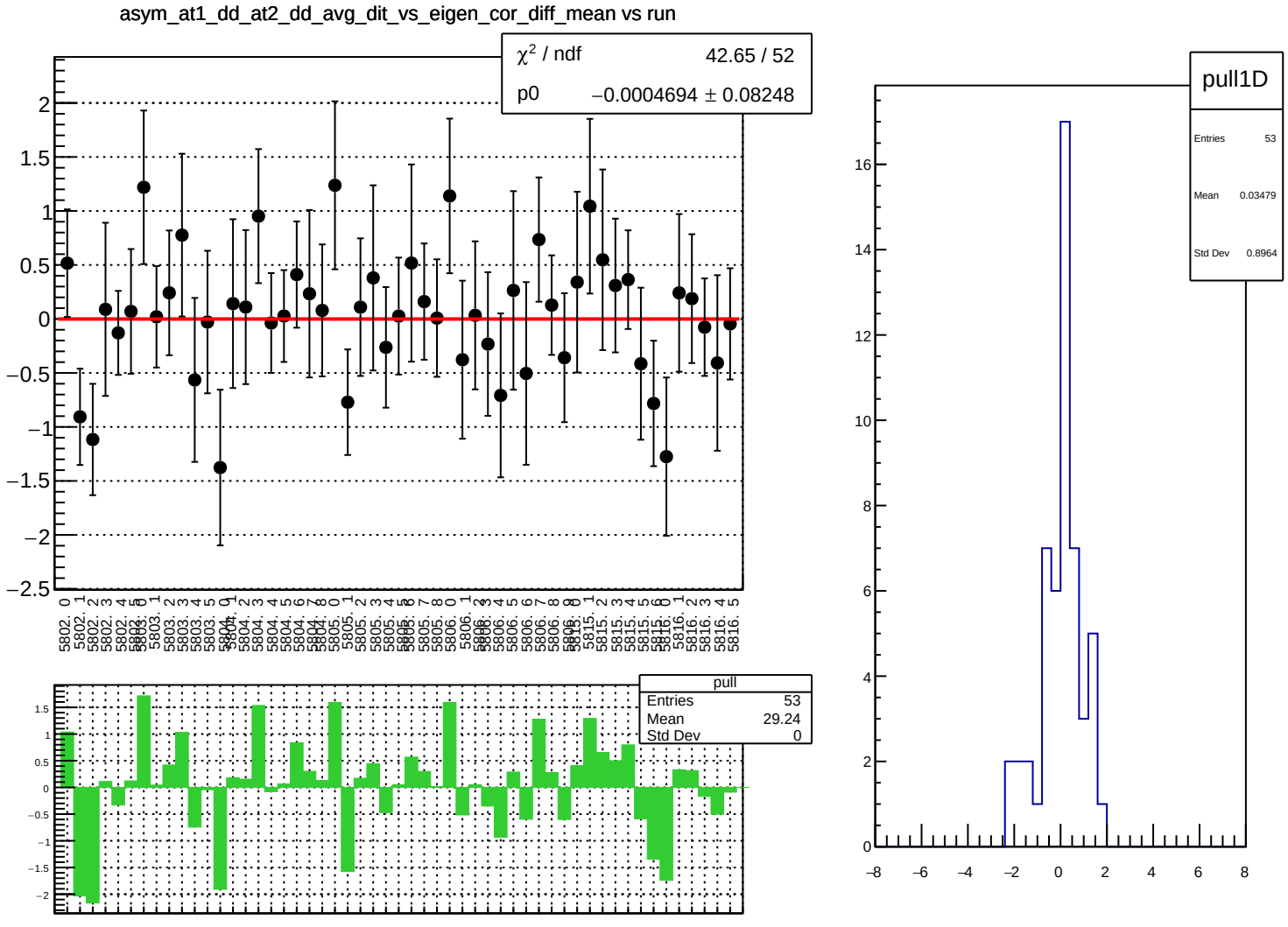

pull1D
Entries 53
Mean 0.003291
Std Dev 0.9294

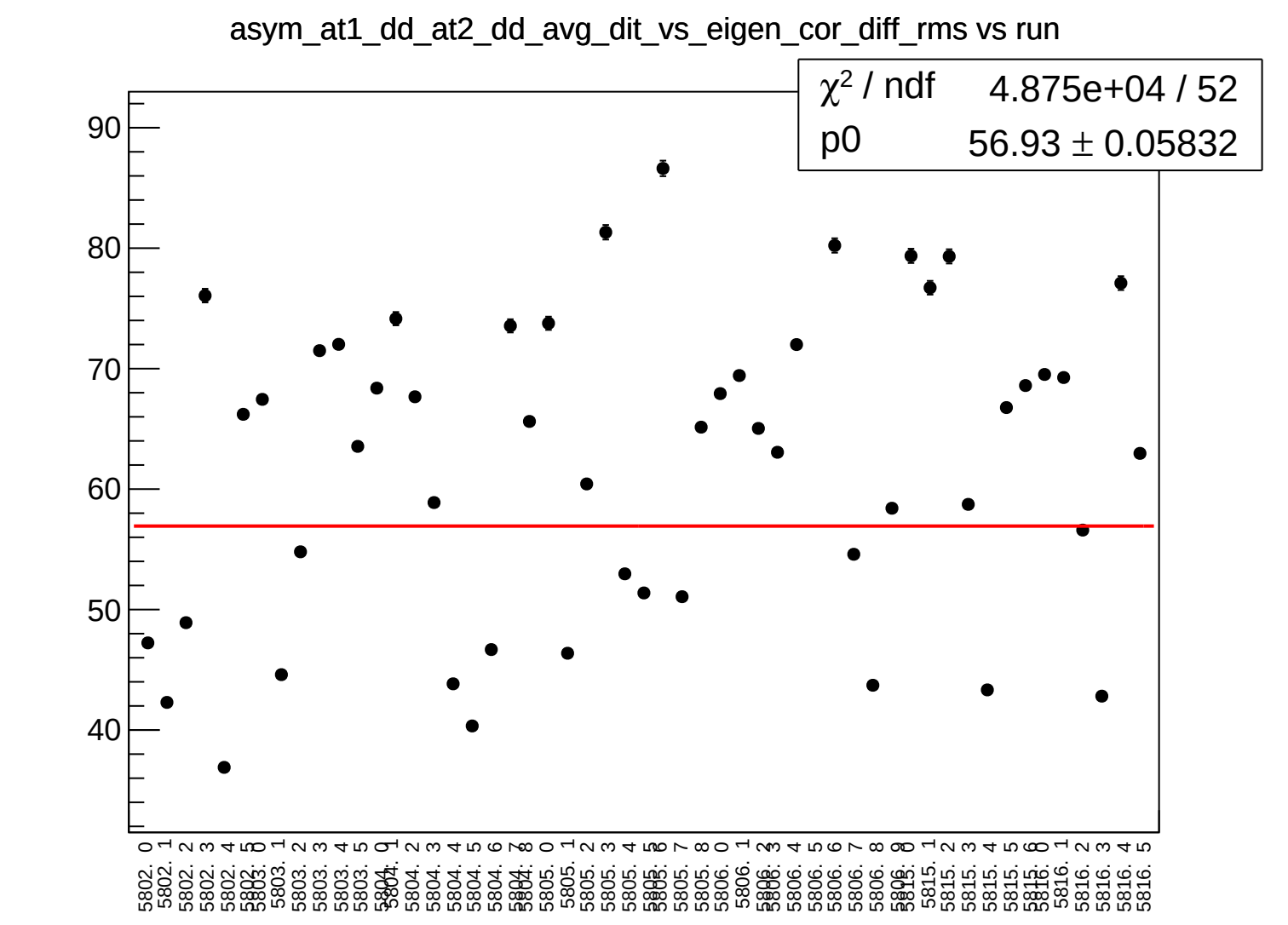

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.378e+05 / 52
p0 6.788e−11 ± 9.969e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

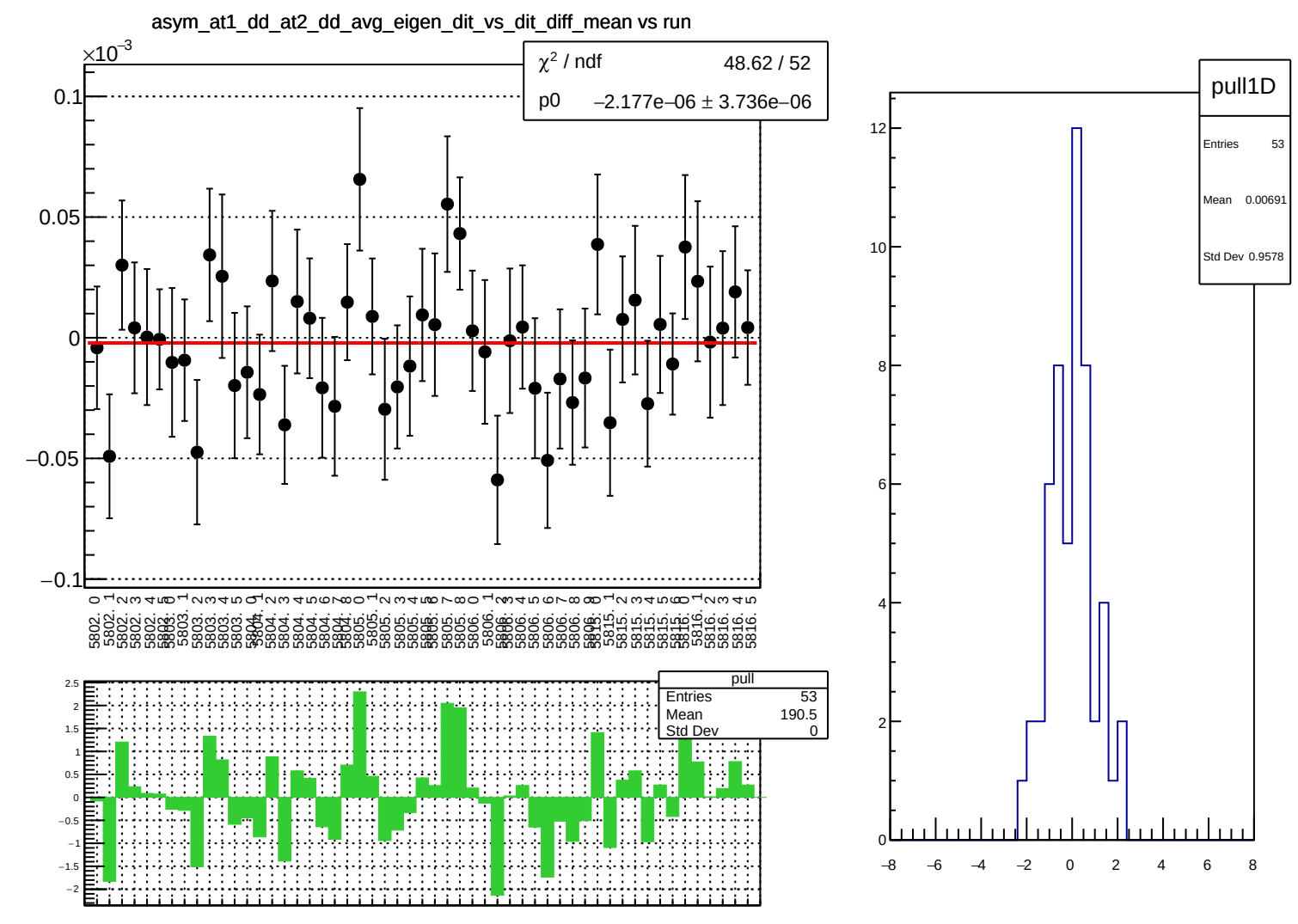

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004694 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

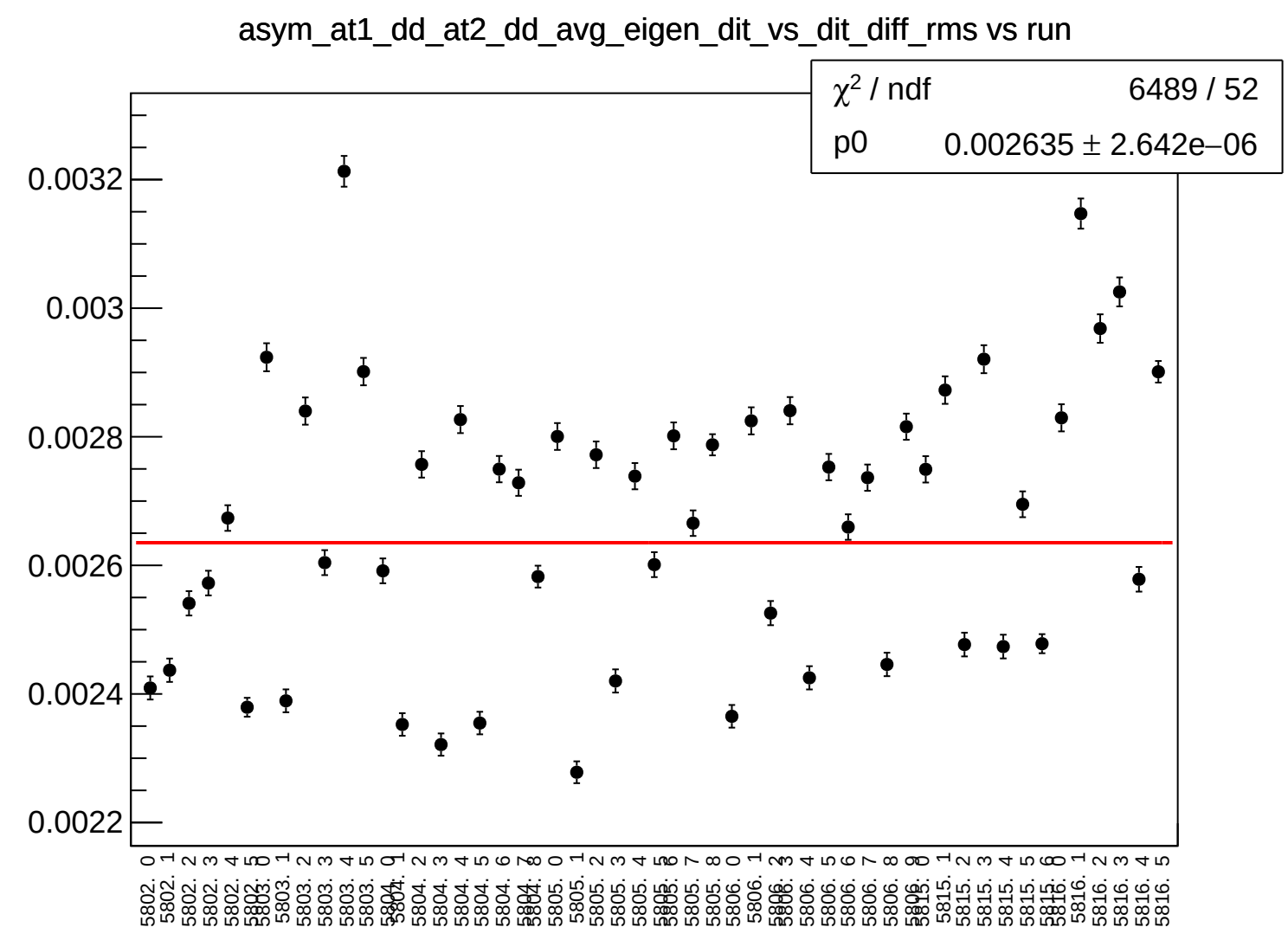

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

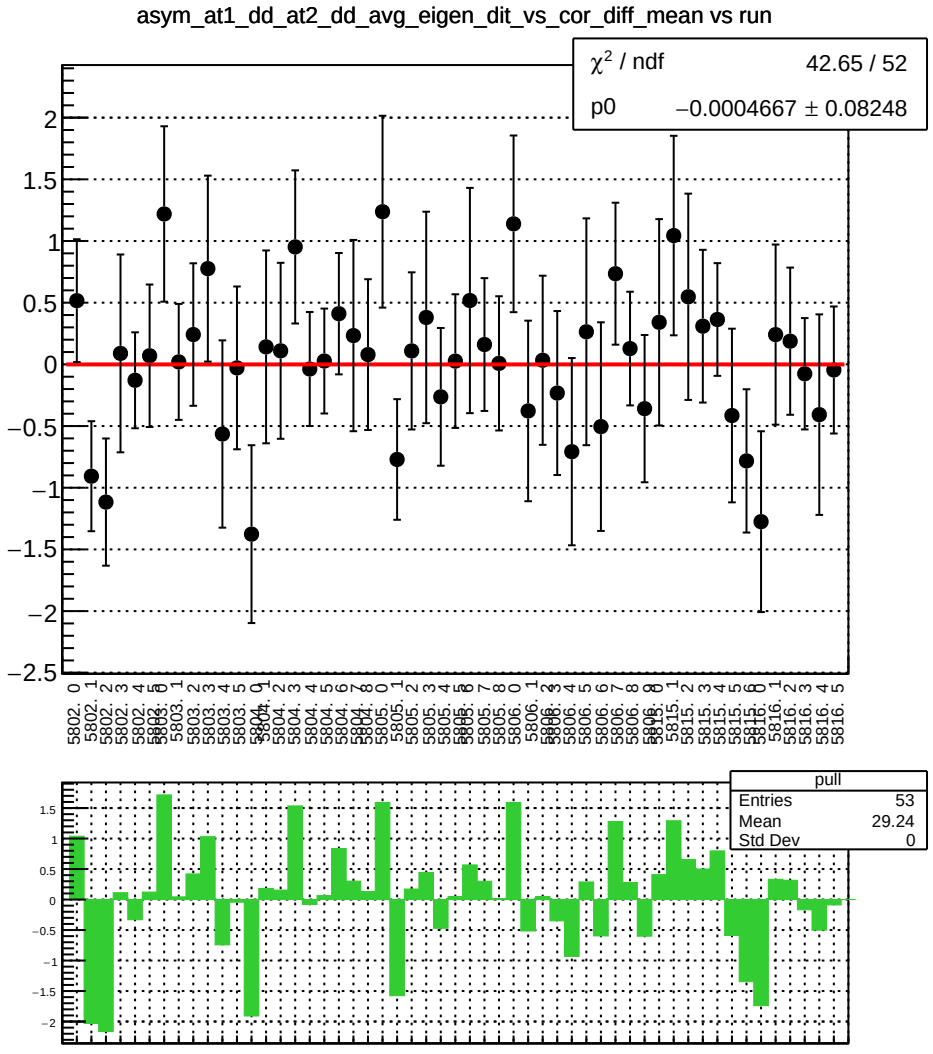

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

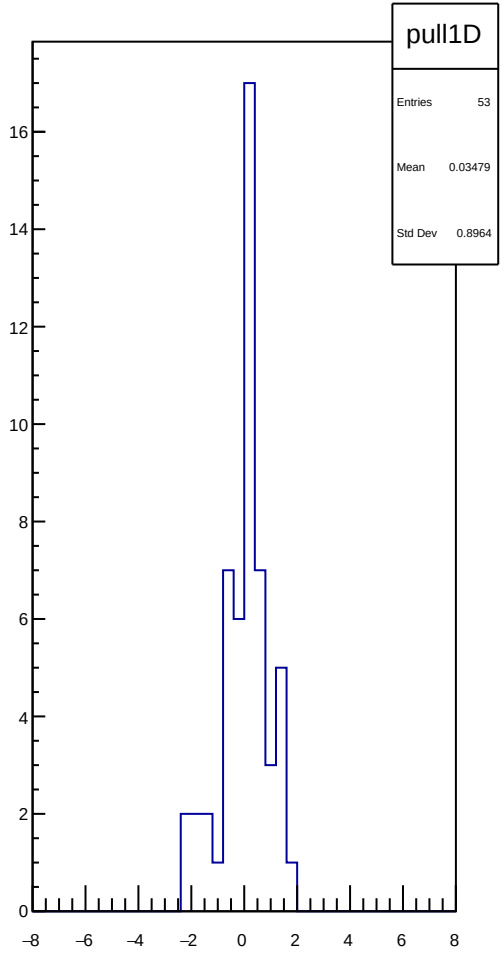

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004694 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0
pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

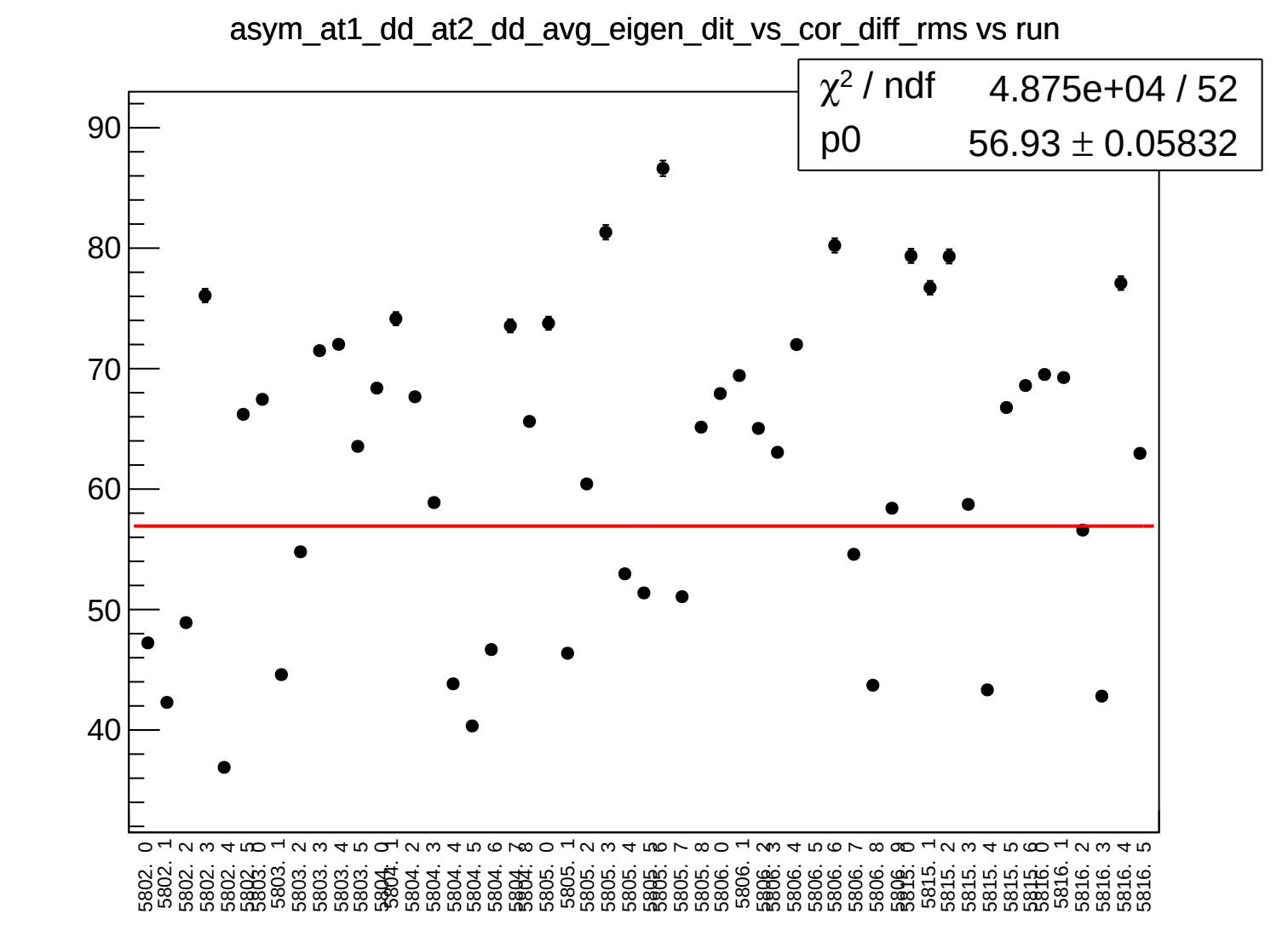

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

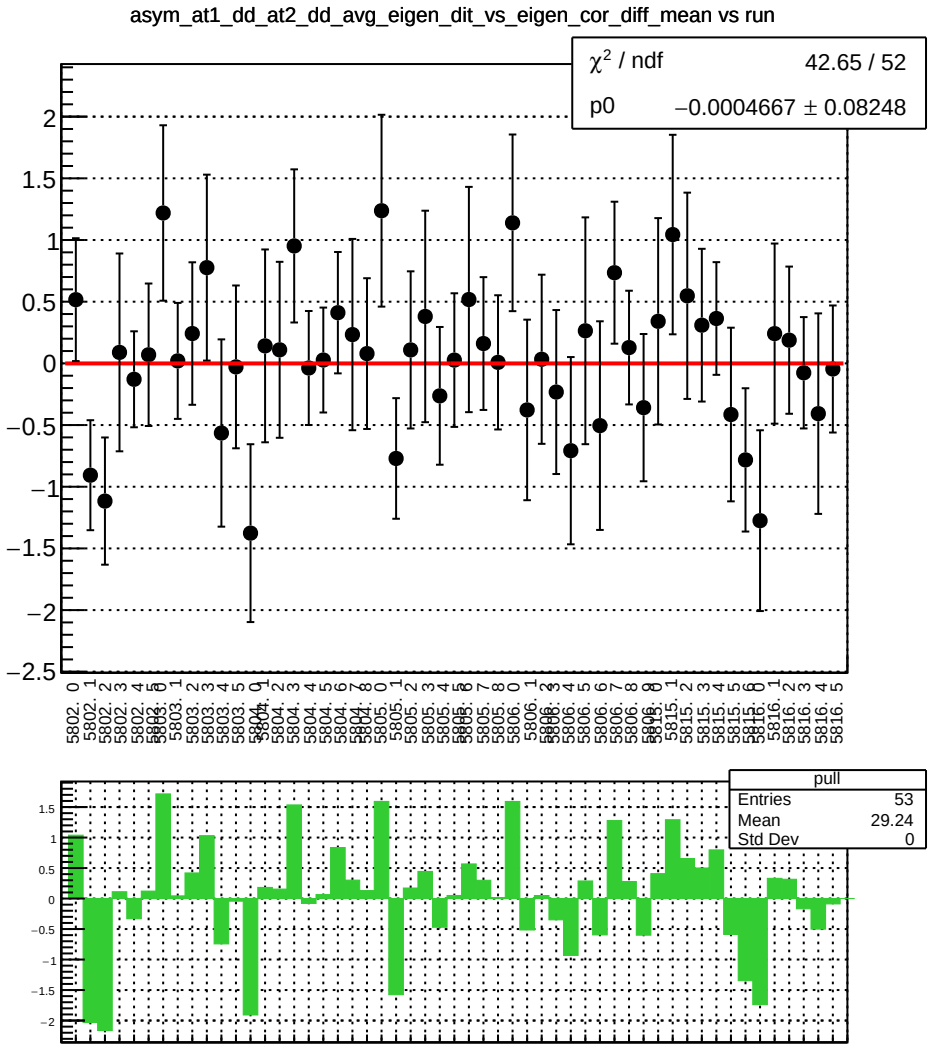

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.62 / 52
p0 −2.177e−06 ± 3.736e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean 190.5
Std Dev 0
pull1D
Entries 53
Mean 0.00691
Std Dev 0.9578

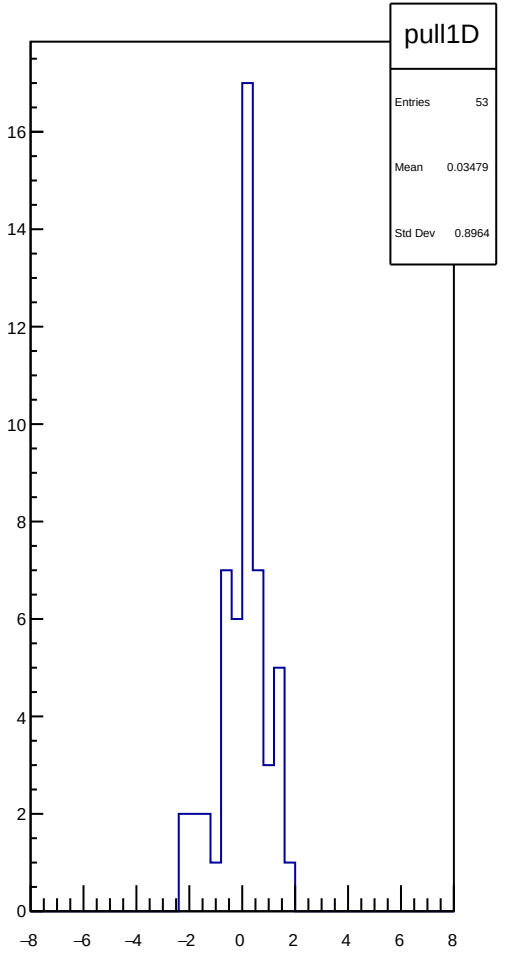

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6489 / 52
p0 0.002635 ± 2.642e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

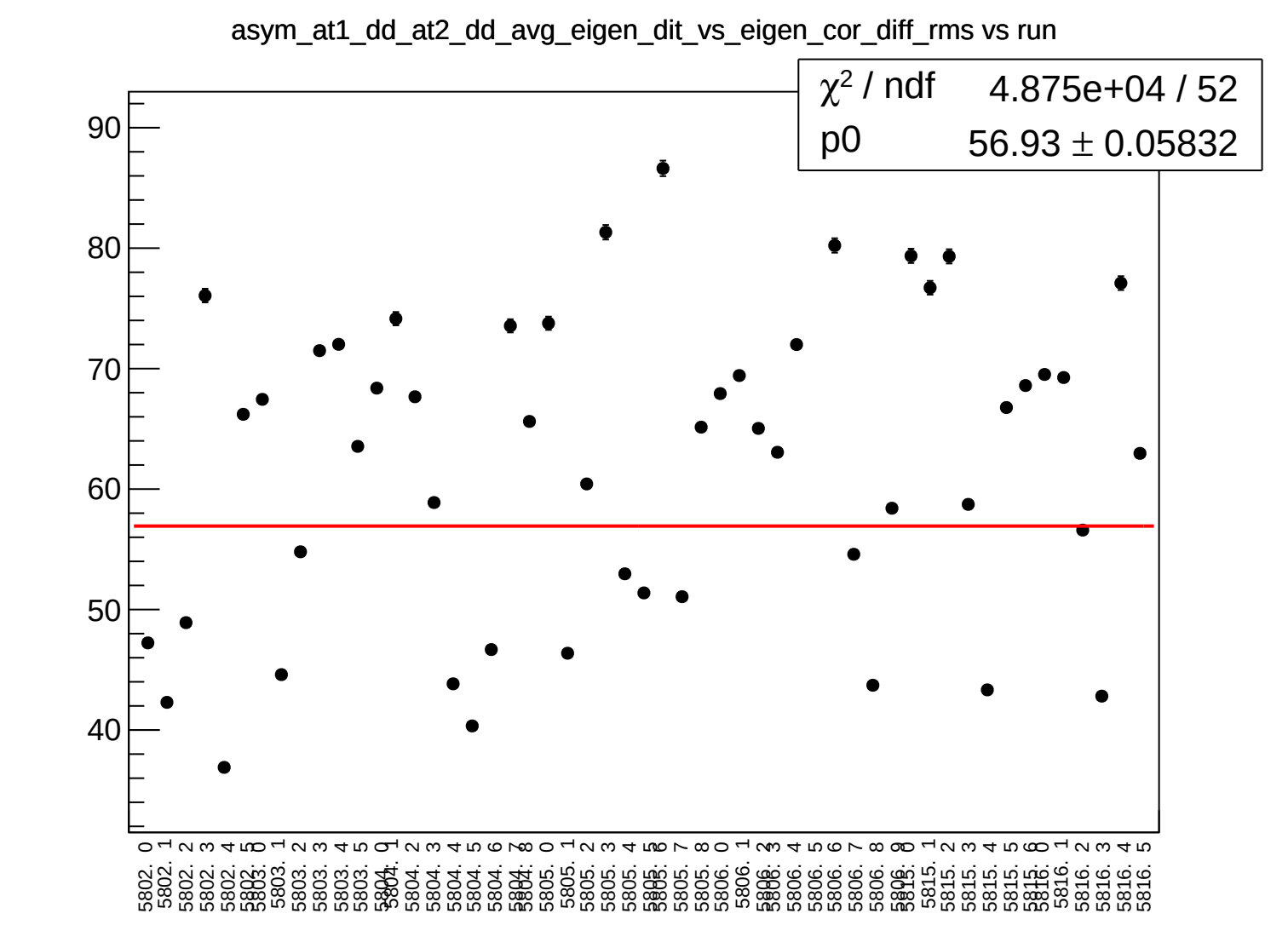

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004667 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

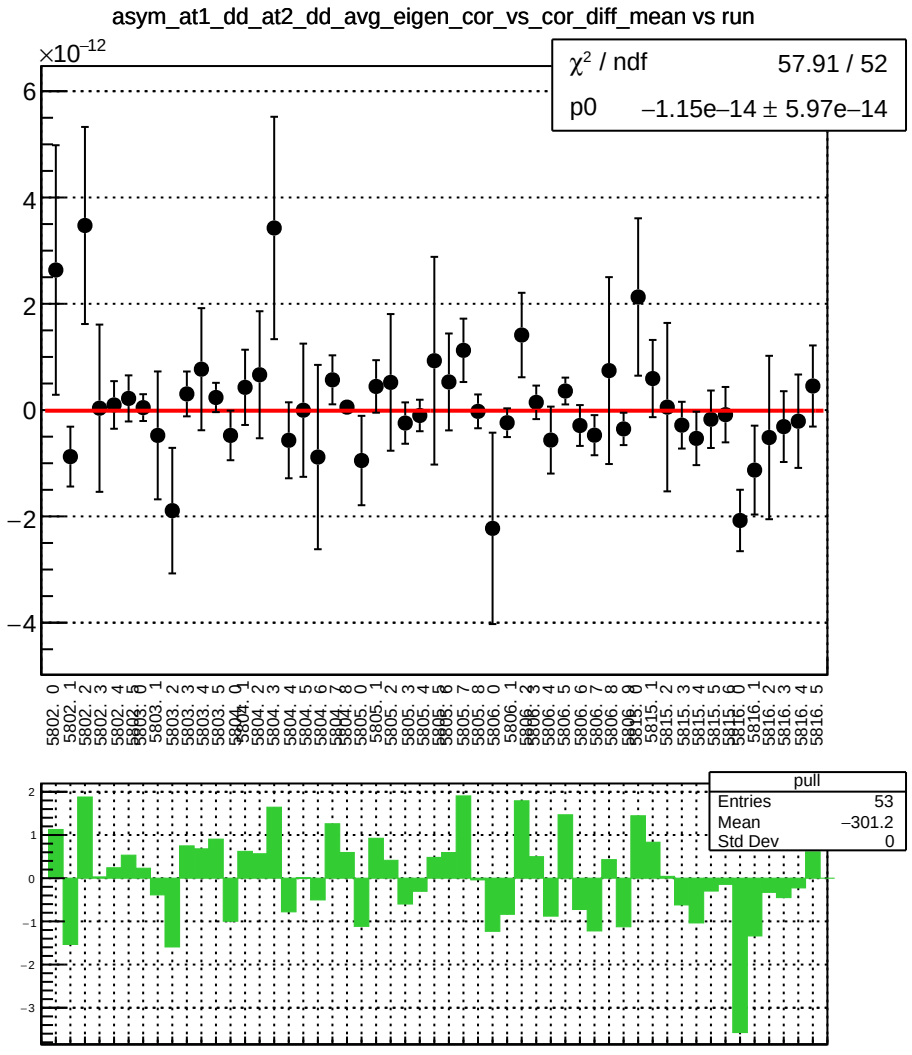

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

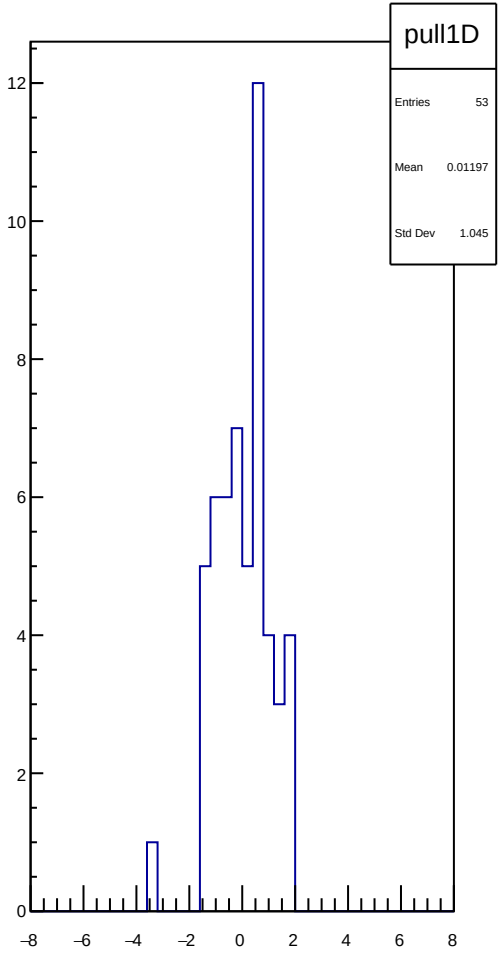

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

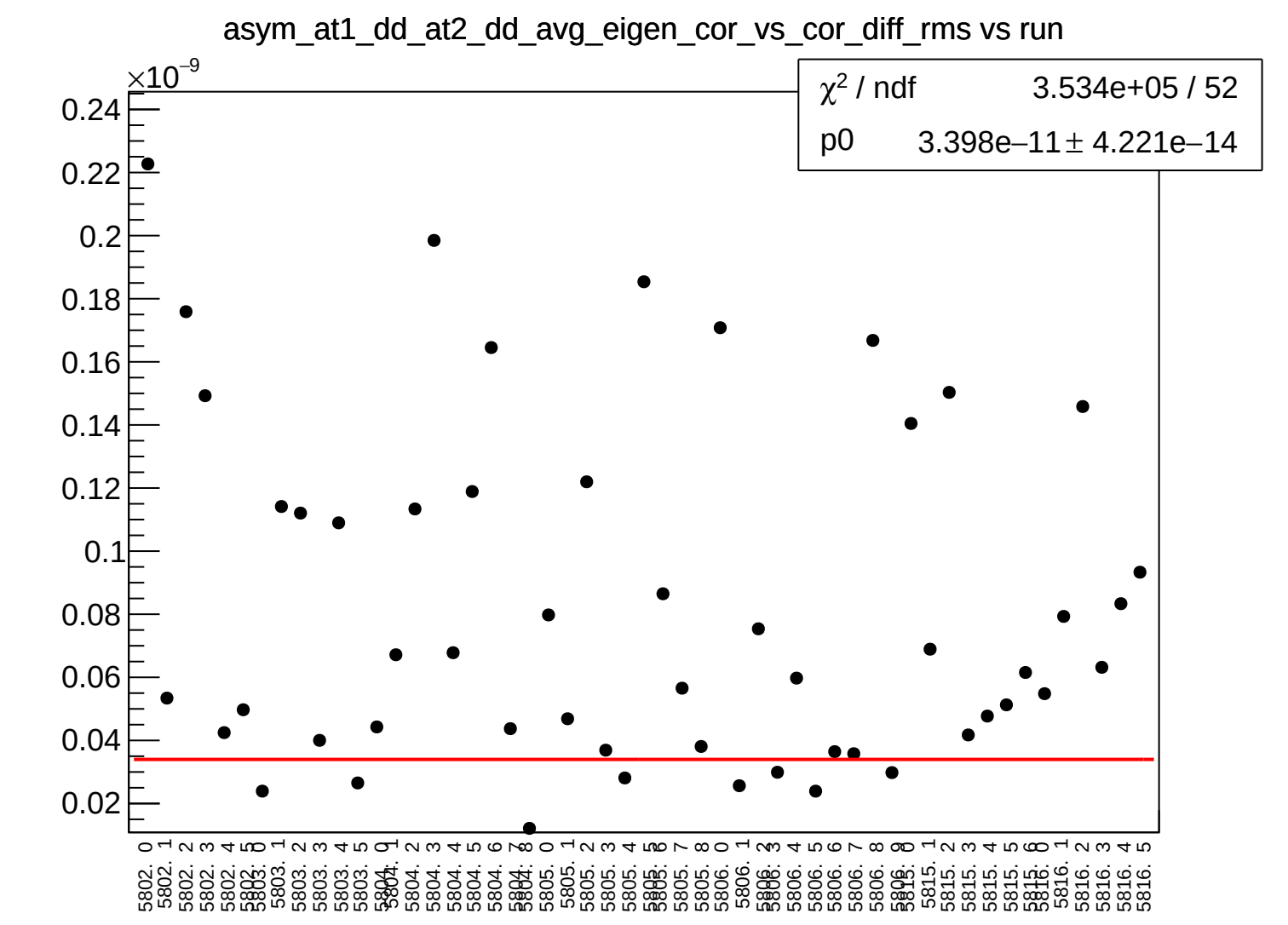

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.65 / 52
p0 −0.0004667 ± 0.08248
pull
Entries 53
Mean 29.24
Std Dev 0

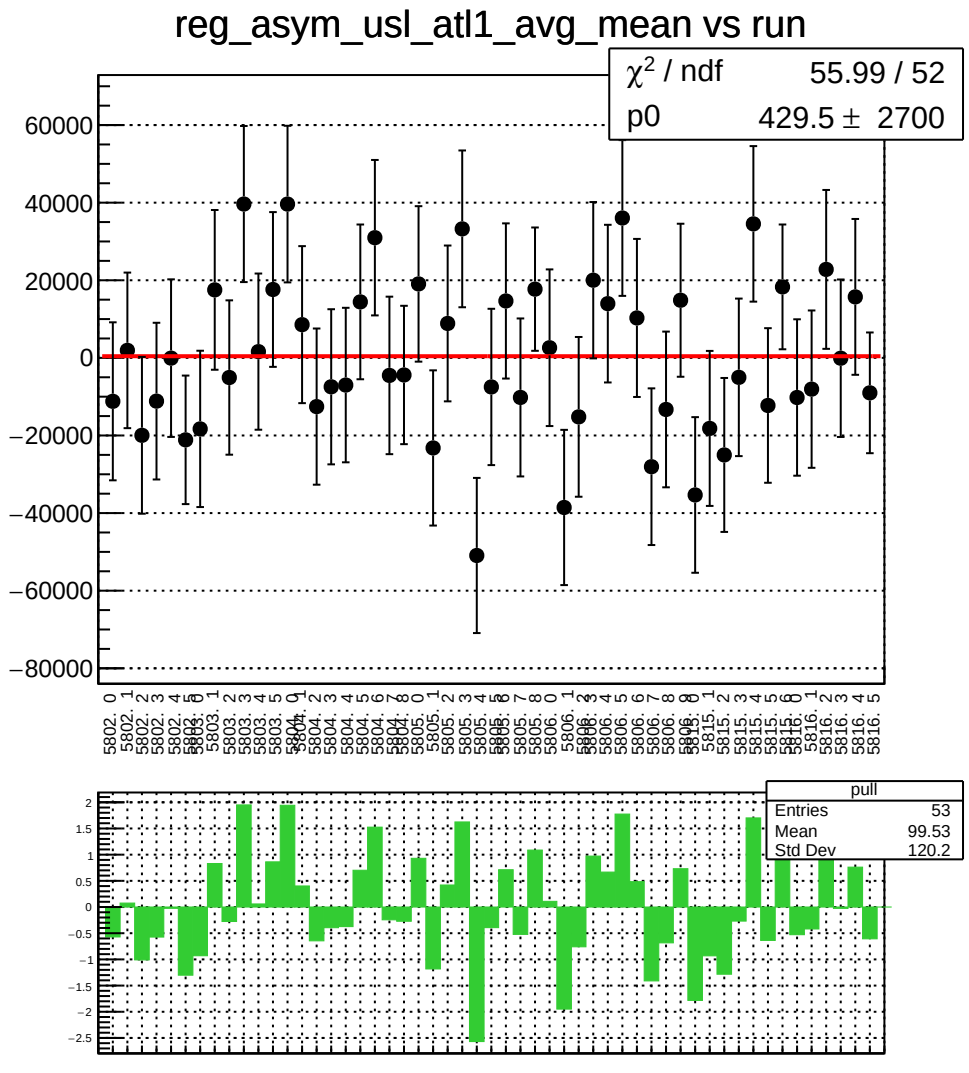

pull1D
Entries 53
Mean 0.03479
Std Dev 0.8964

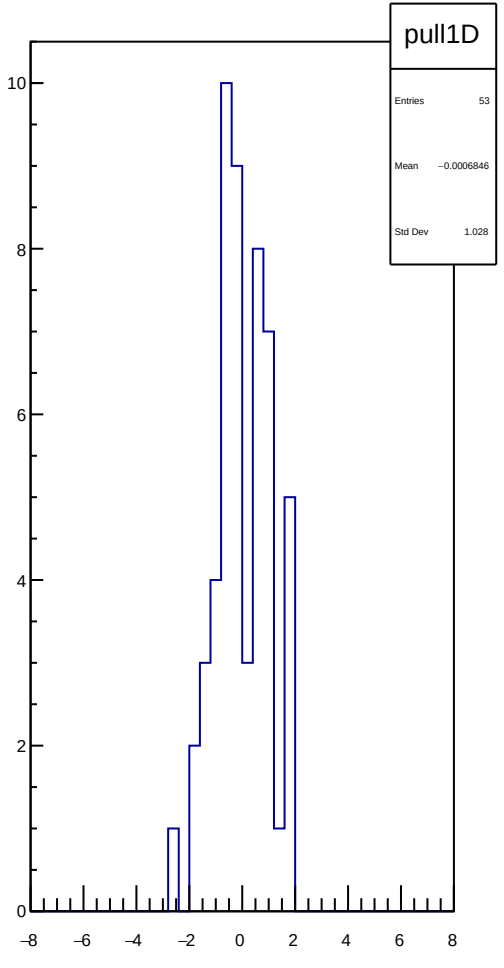

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.875e+04 / 52
p0 56.93 ± 0.05832
90
80
70
60
50
40

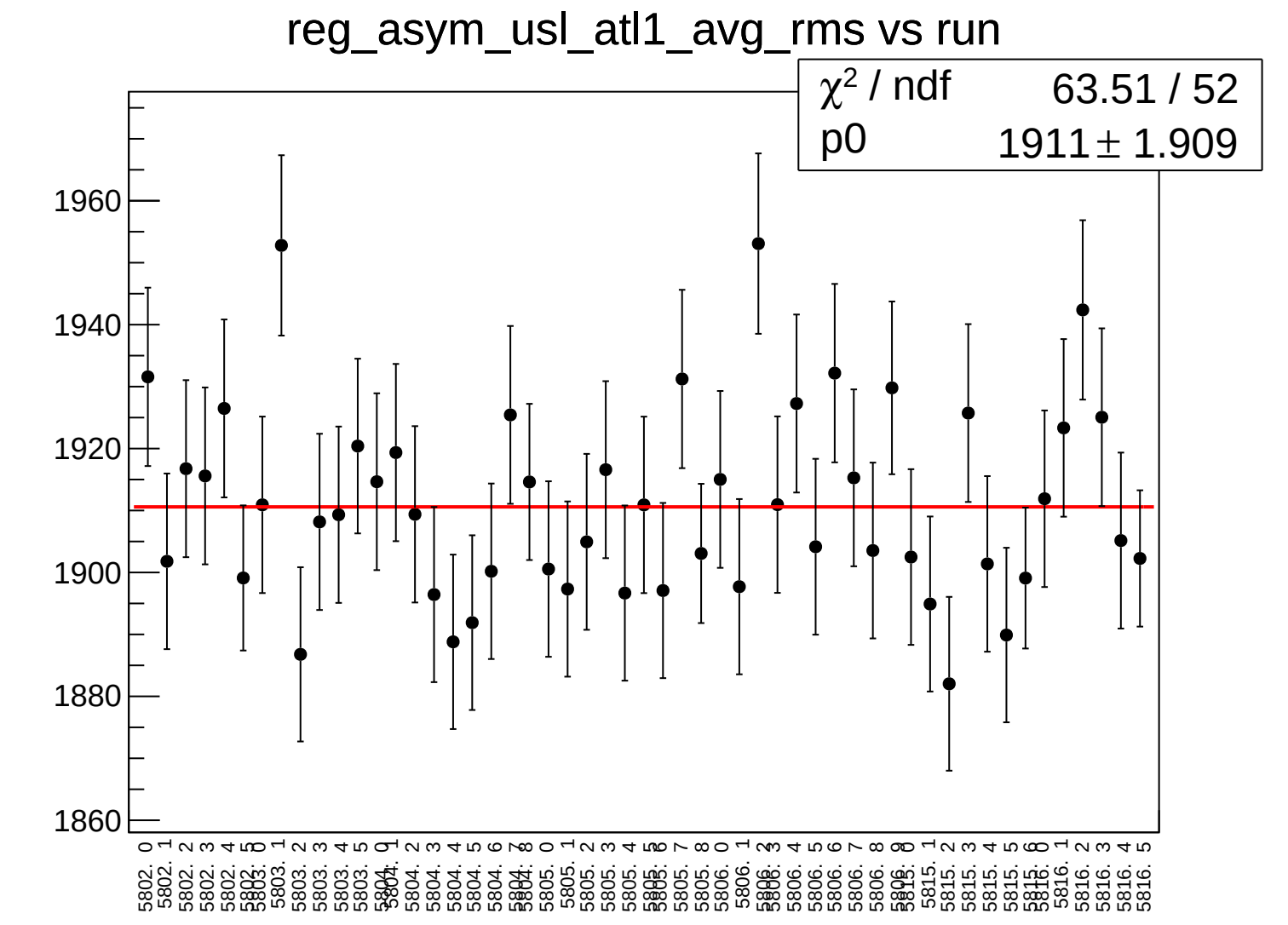

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.91 / 52
p0 −1.15e−14 ± 5.97e−14
pull
Entries 53
Mean −301.2
Std Dev 0

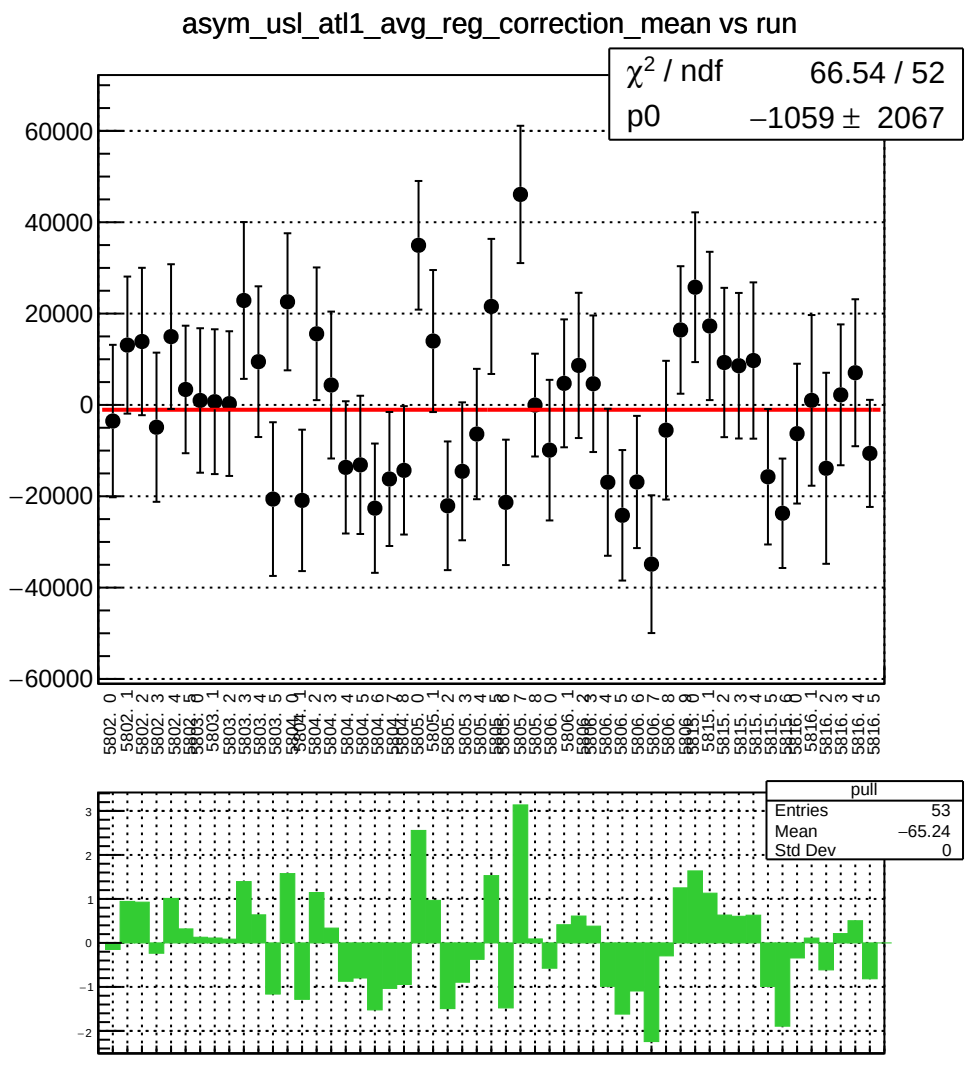

pull1D
Entries 53
Mean 0.01197
Std Dev 1.045

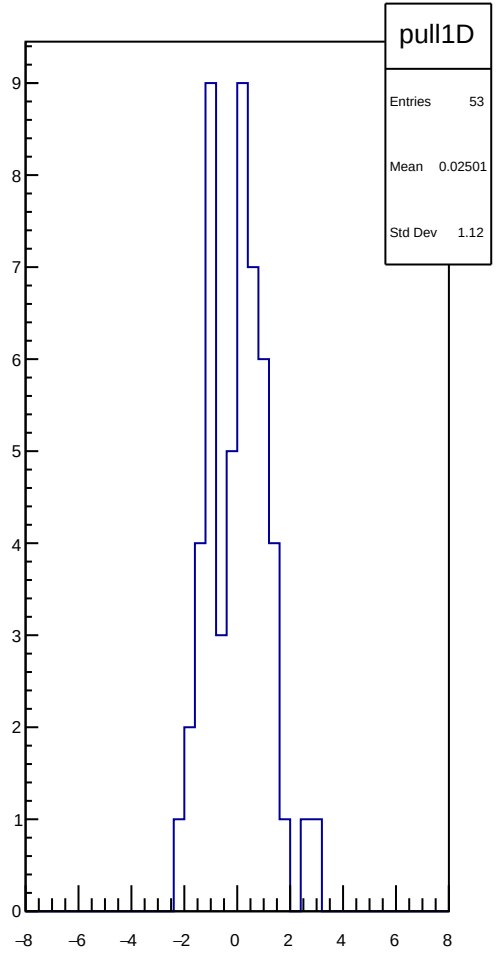

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.534e+05 / 52
p0 3.398e−11 ± 4.221e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

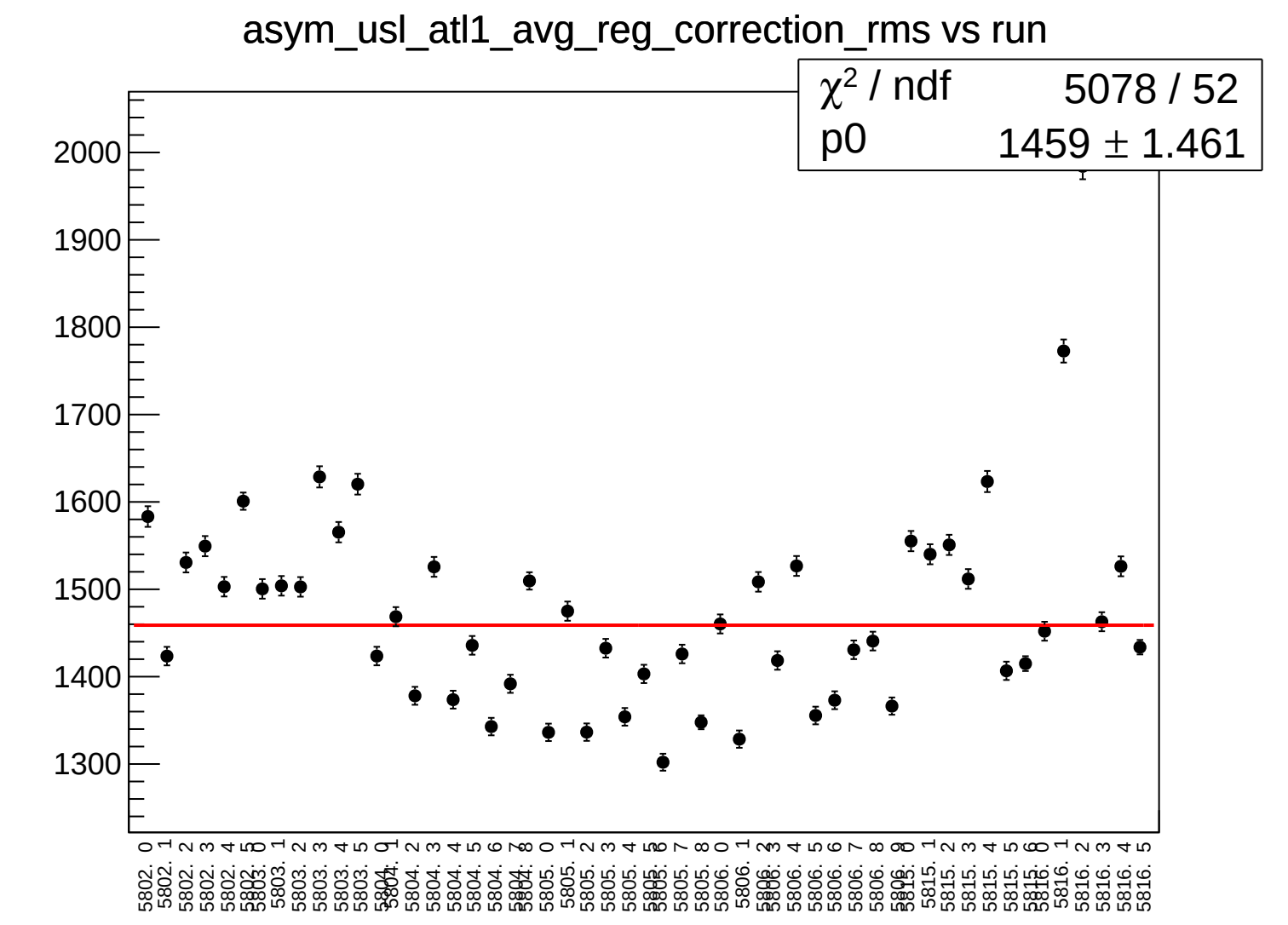

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 55.99 / 52
p0 429.5 ± 2700
pull
Entries 53
Mean 99.53
Std Dev 120.2

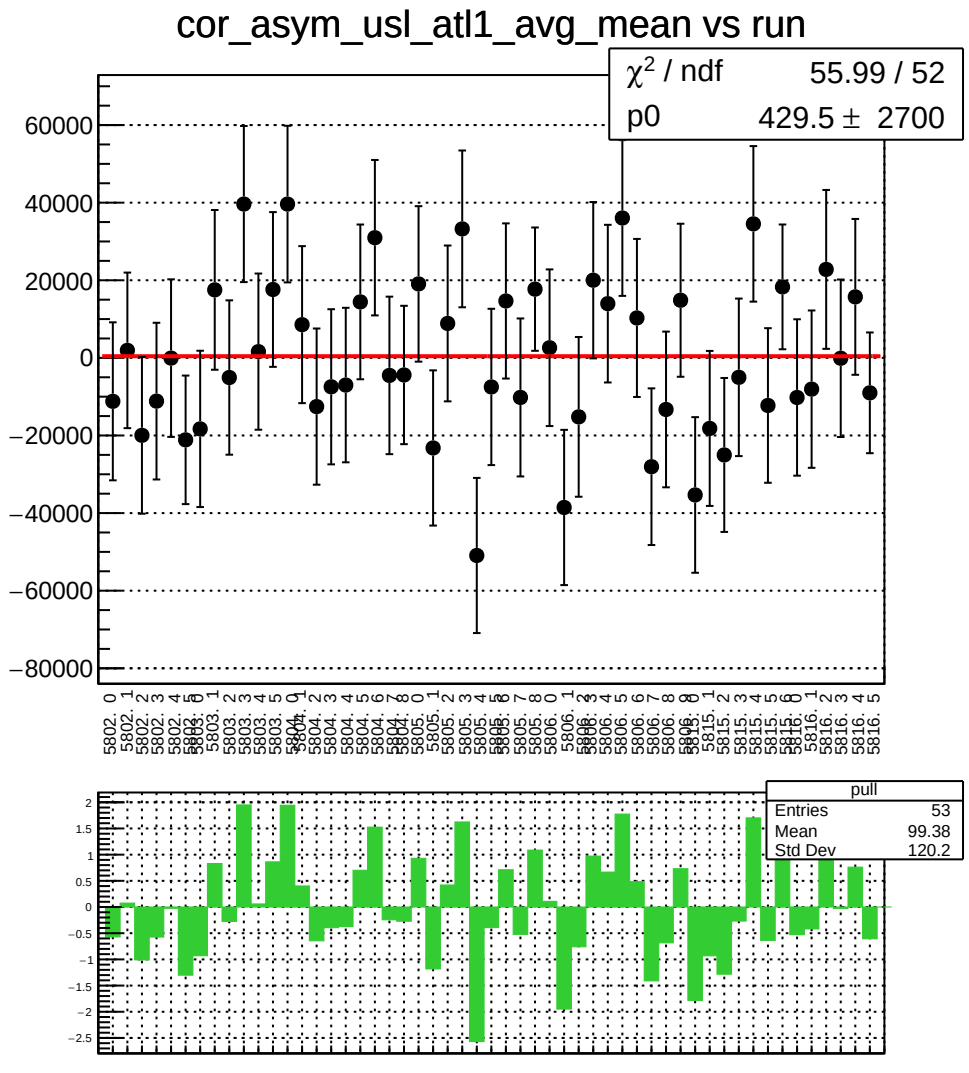

pull1D
Entries 53
Mean −0.0006846
Std Dev 1.028

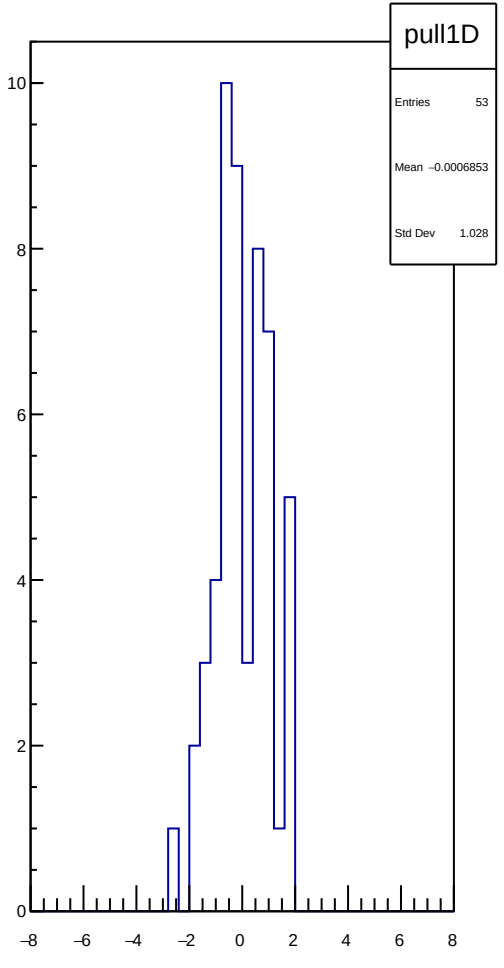

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 63.51 / 52
p0 1911 ± 1.909
1960
1940
1920
1900
1880
1860

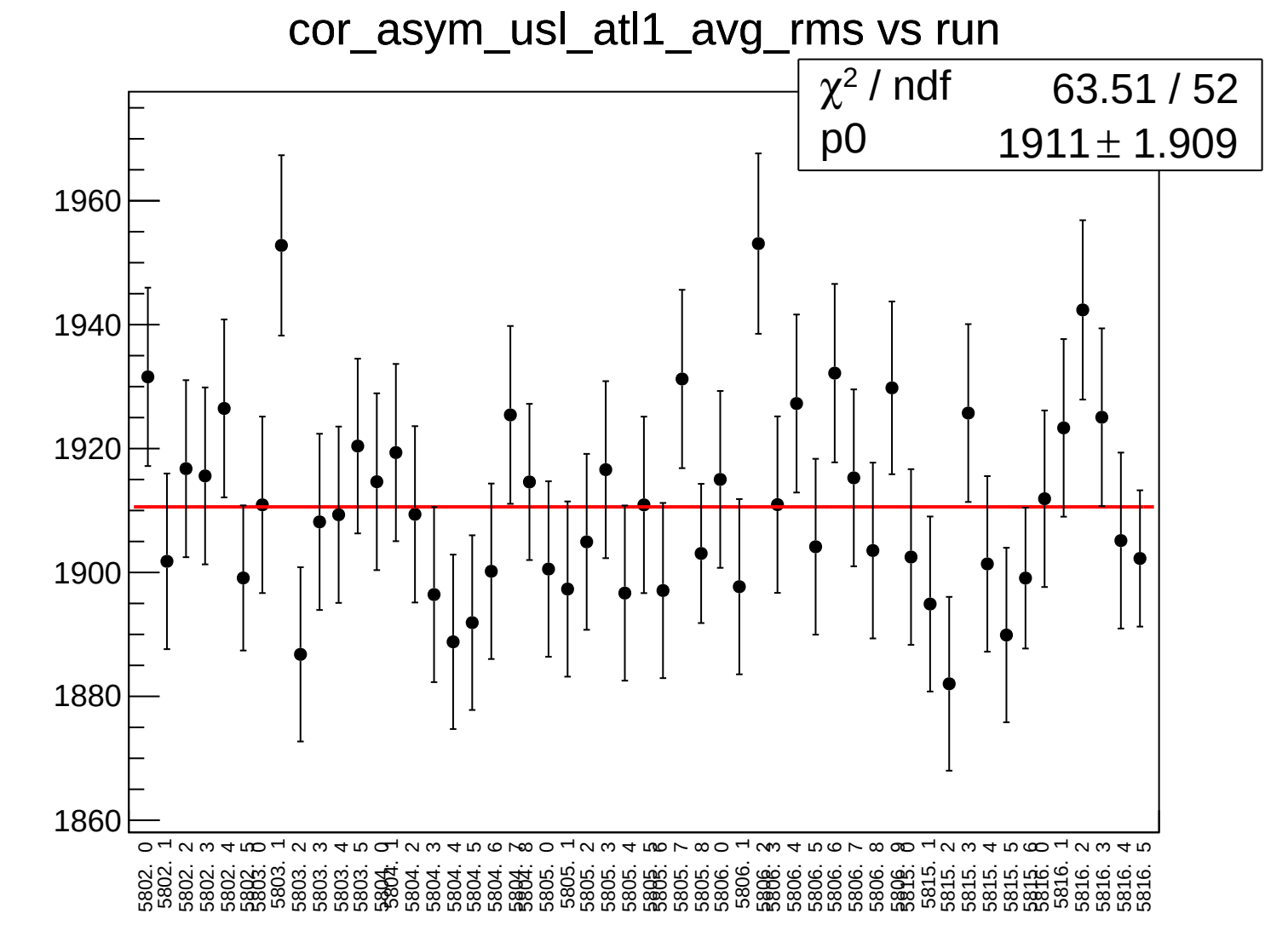

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 66.54 / 52
p0 −1059 ± 2067
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −65.24
Std Dev 0
3
2
1
0
−1
−2

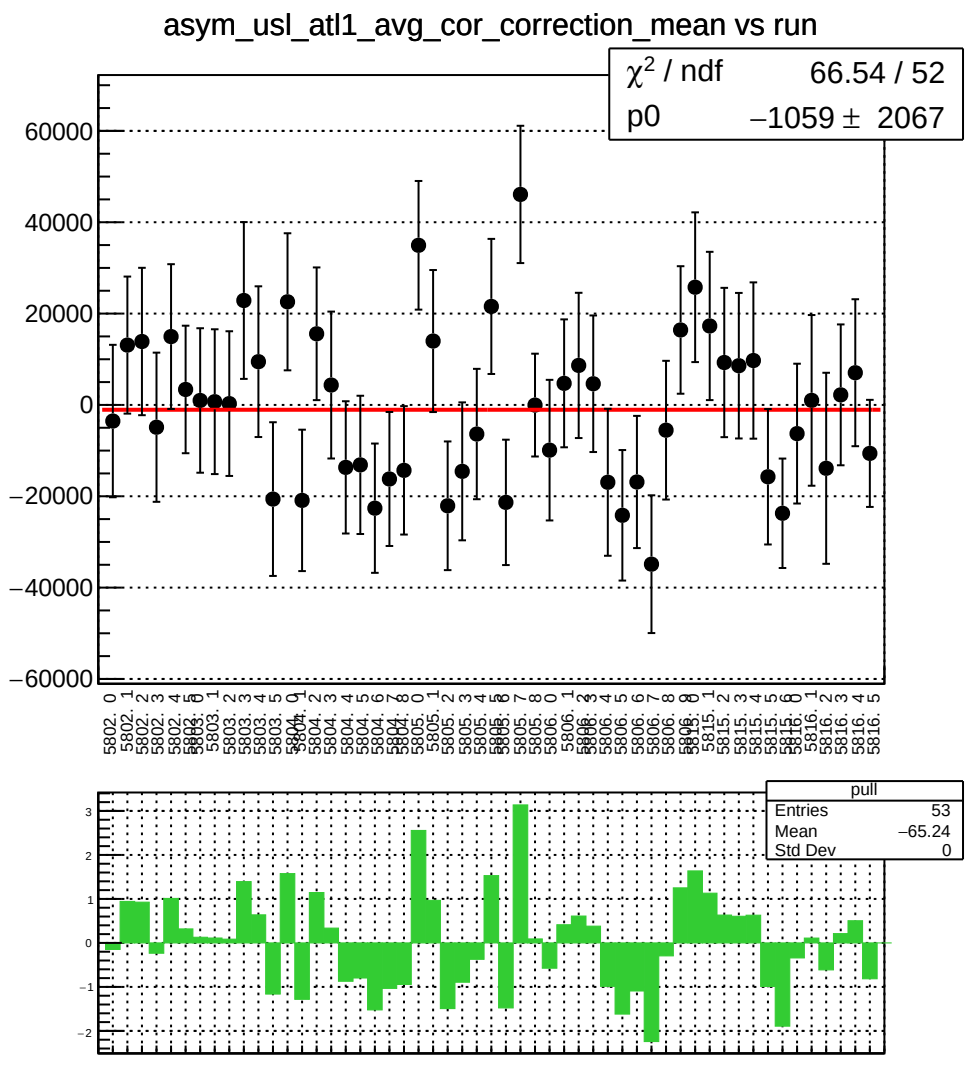

pull1D
Entries 53
Mean 0.02501
Std Dev 1.12
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

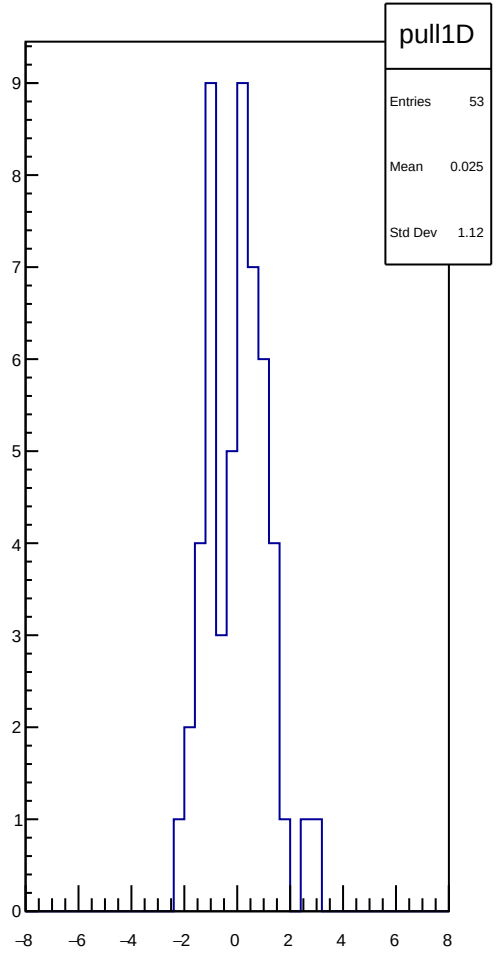

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 5078 / 52
p0 1459 ± 1.461
2000
1900
1800
1700
1600
1500
1400
1300

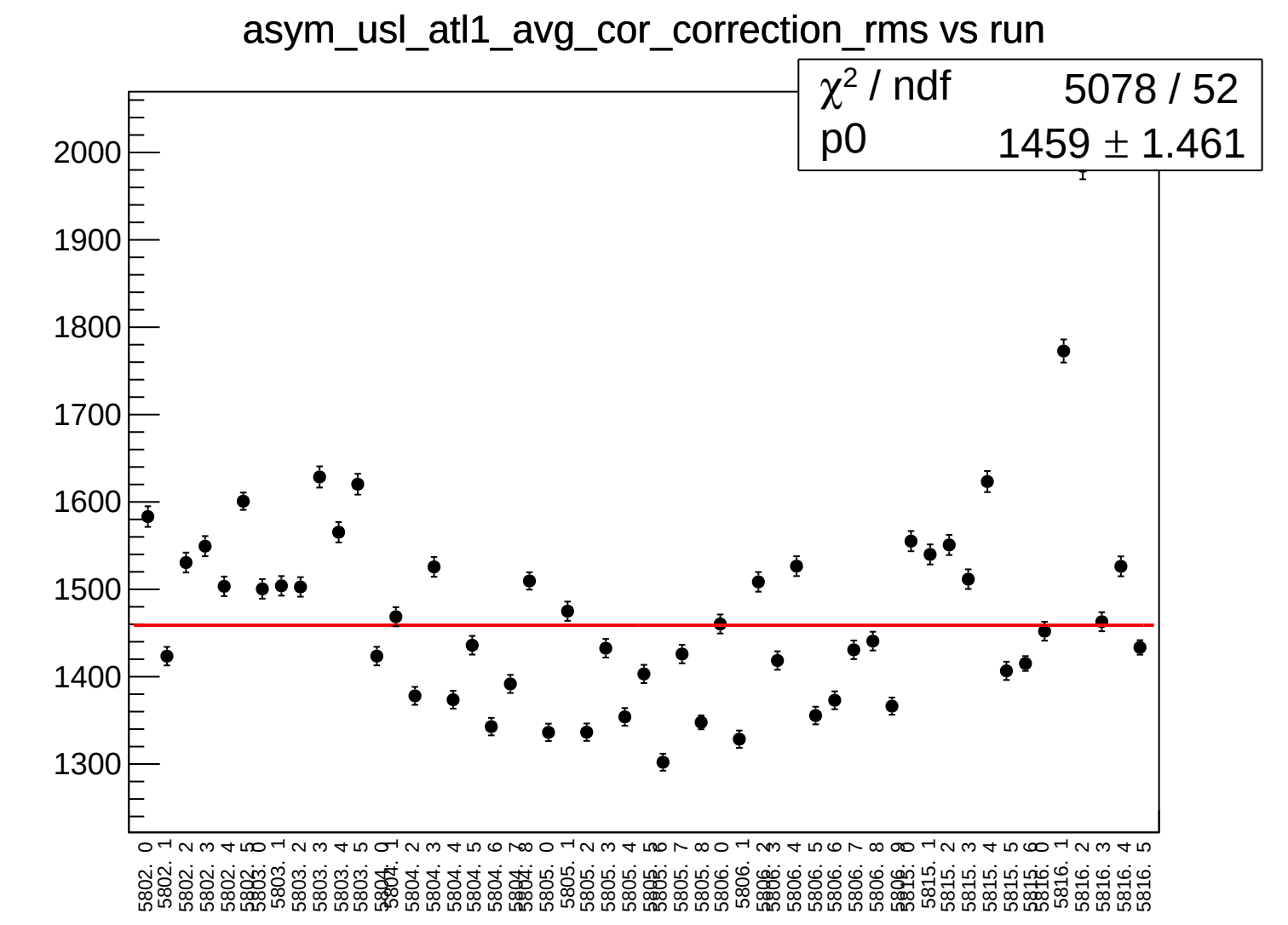

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 55.99 / 52
p0 429.5 ± 2700
pull
Entries 53
Mean 99.38
Std Dev 120.2

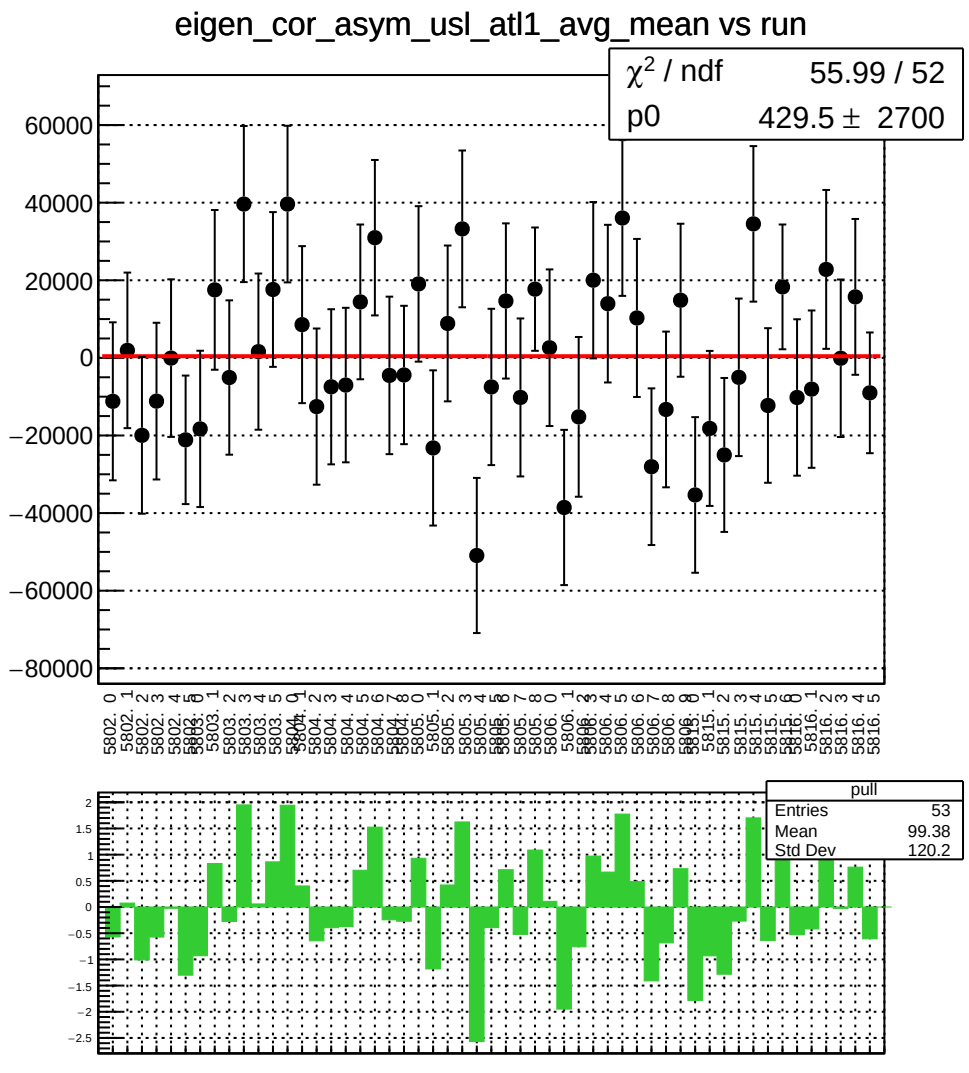

pull1D
Entries 53
Mean −0.0006853
Std Dev 1.028

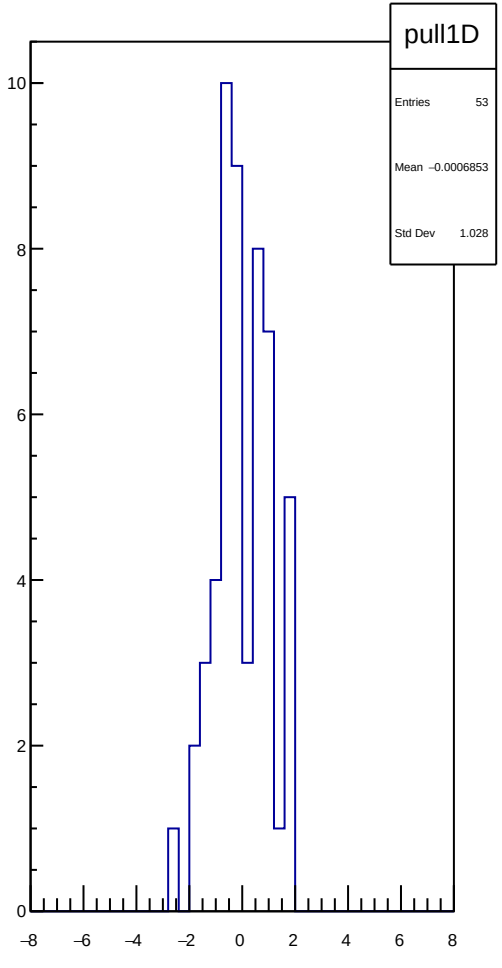

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 63.51 / 52
p0 1911 ± 1.909
1960
1940
1920
1900
1880
1860

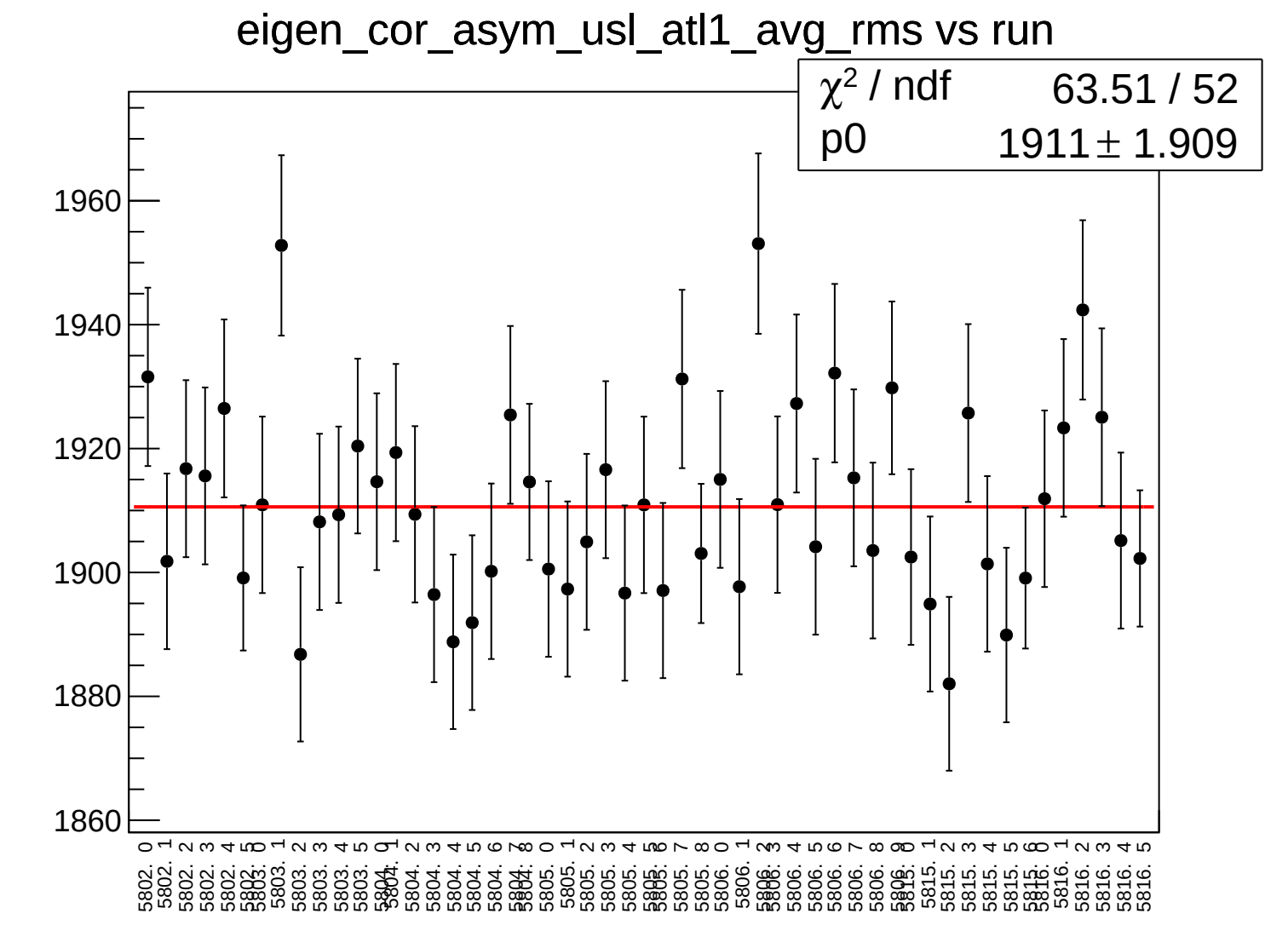

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 66.54 / 52
p0 −1059 ± 2067
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −65.24
Std Dev 0
3
2
1
0
−1
−2

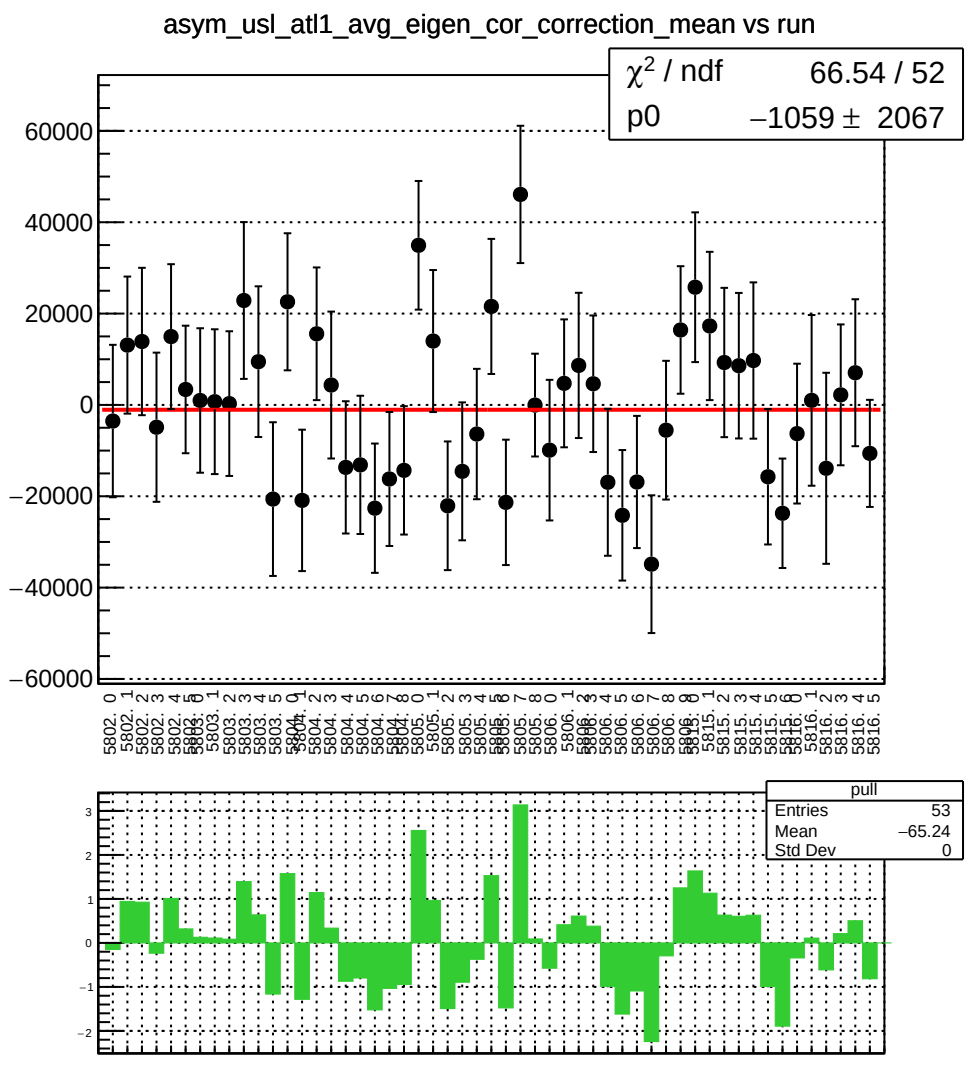

pull1D
Entries 53
Mean 0.025
Std Dev 1.12
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

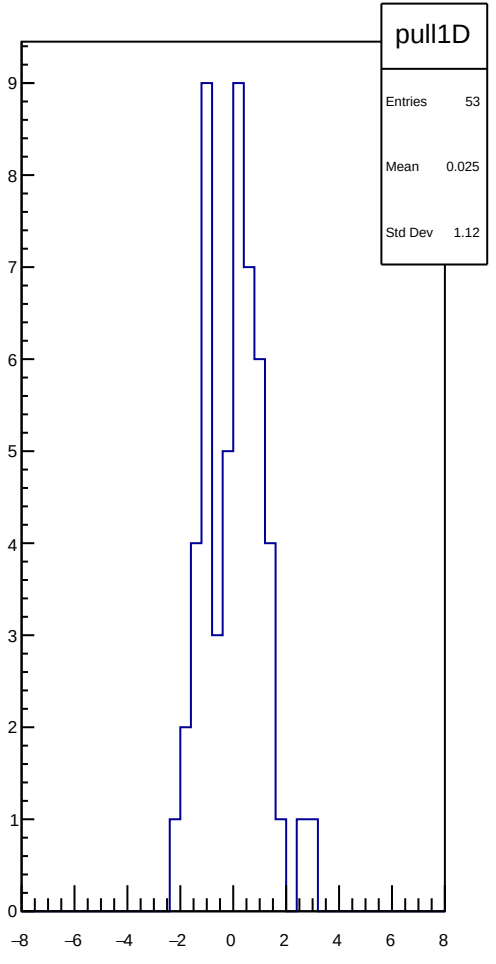

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 5078 / 52
p0 1459 ± 1.461
2000
1900
1800
1700
1600
1500
1400
1300

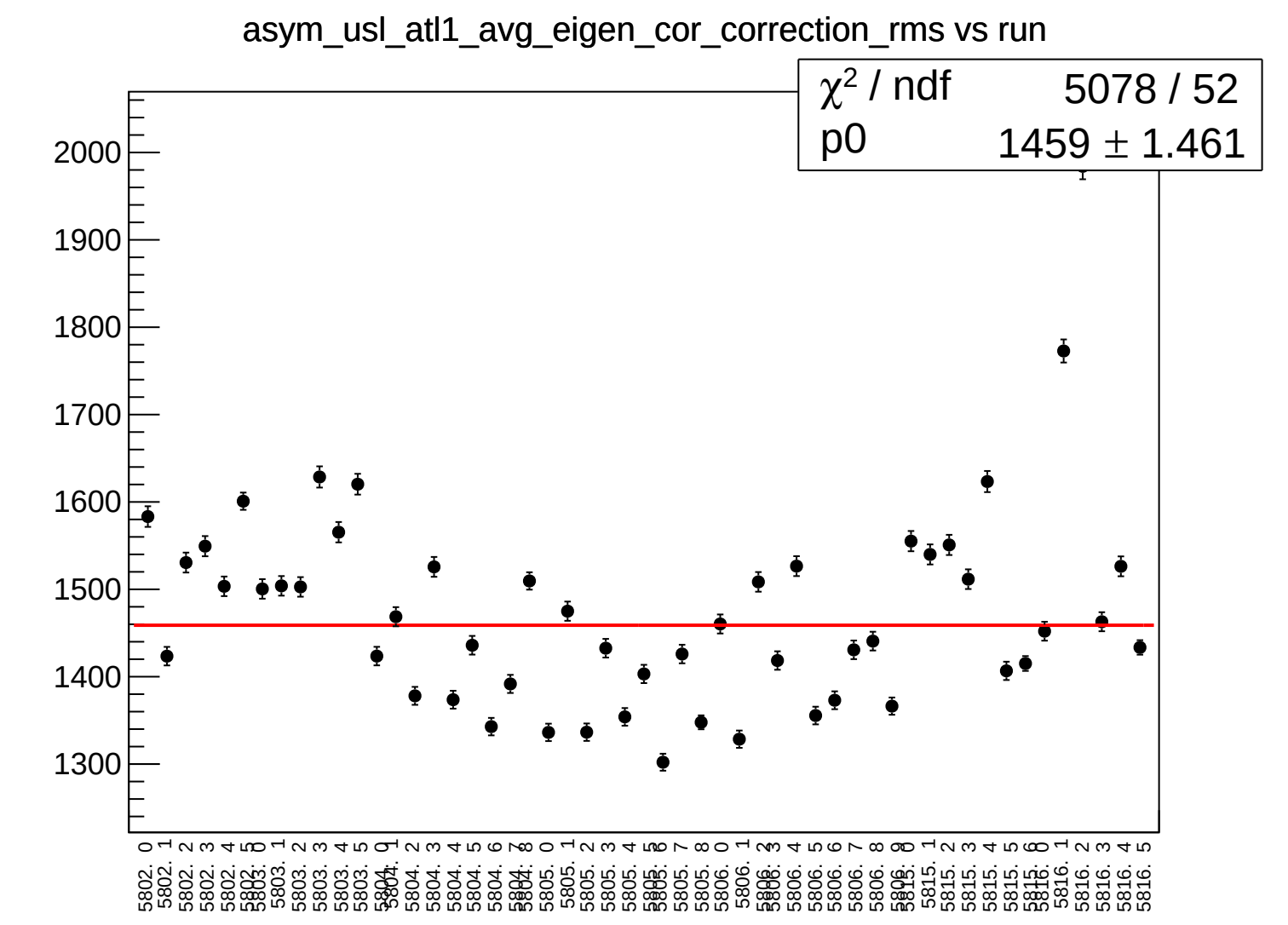

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 55.99 / 52
p0 429.5 ± 2700
pull
Entries 53
Mean 99.38
Std Dev 120.2

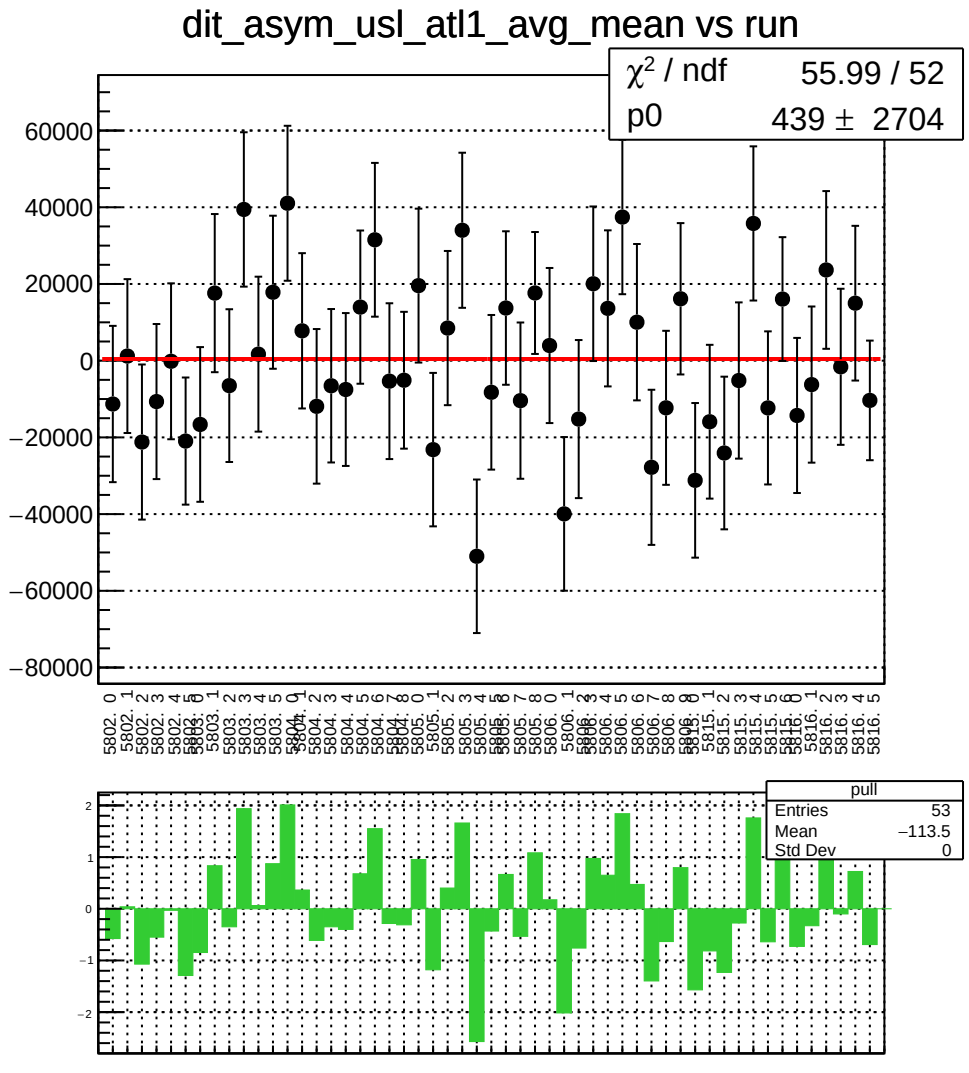

pull1D
Entries 53
Mean −0.0006853
Std Dev 1.028

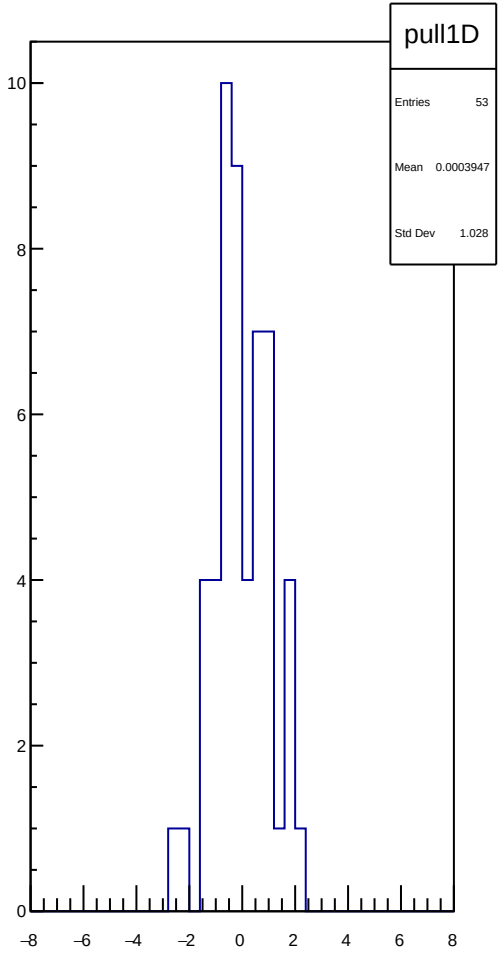

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 63.51 / 52
p0 1911 ± 1.909
1960
1940
1920
1900
1880
1860

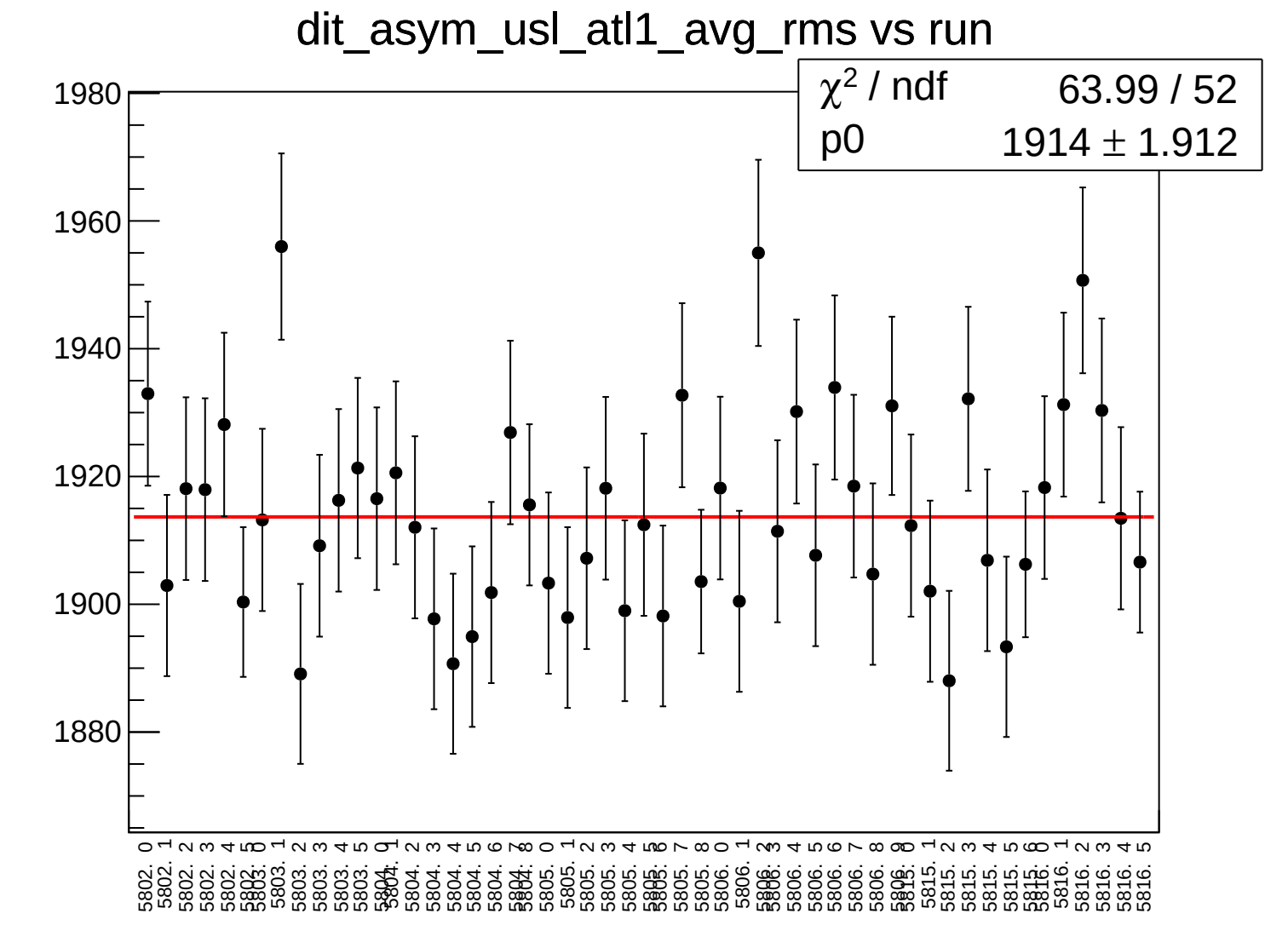

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.54 / 52
p0 −1059 ± 2067
pull
Entries 53
Mean −65.24
Std Dev 0

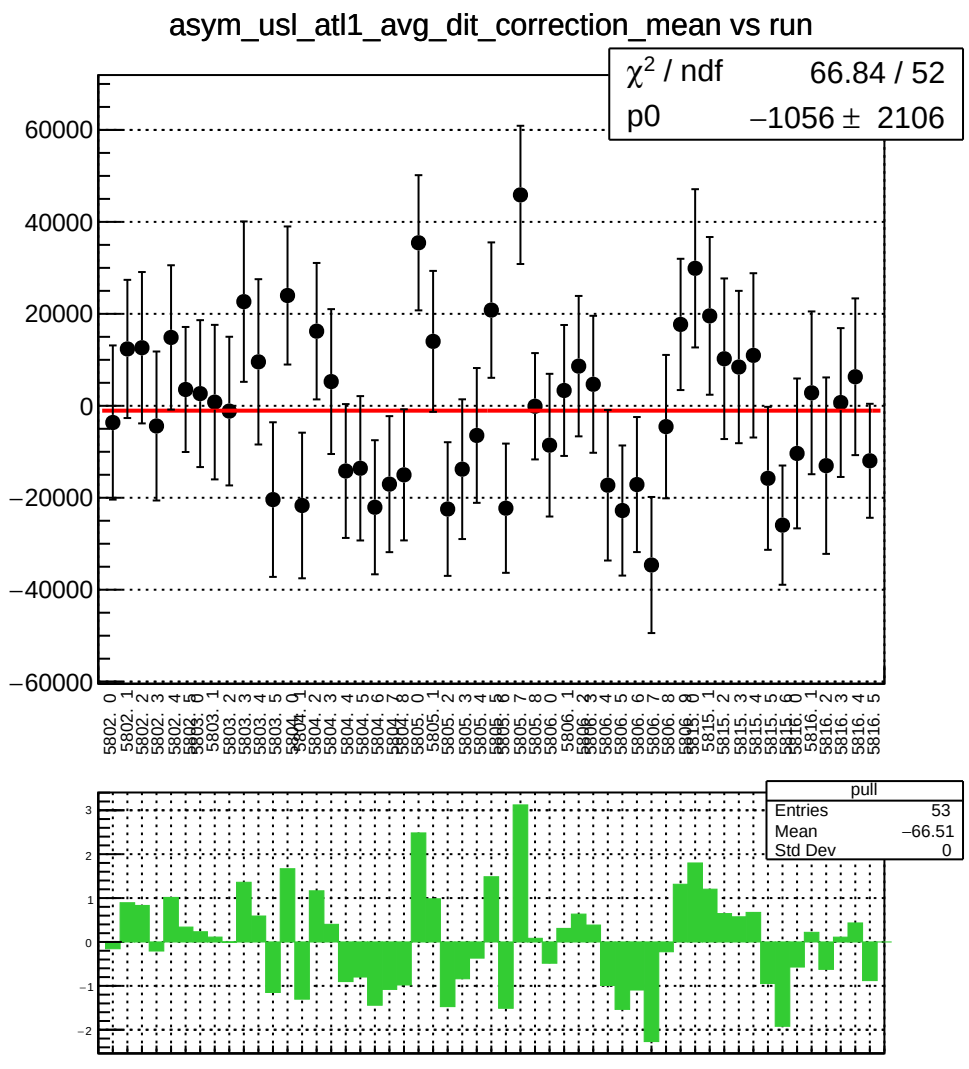

pull1D
Entries 53
Mean 0.025
Std Dev 1.12

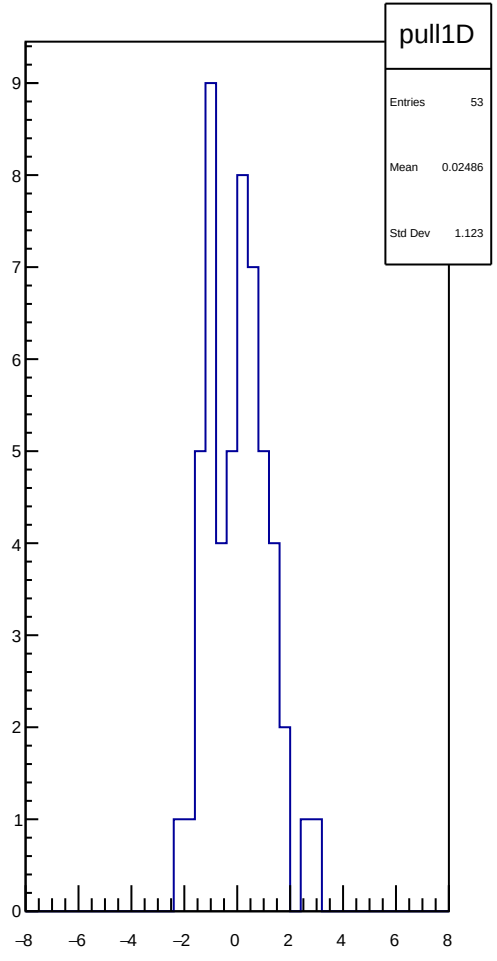

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5078 / 52
p0 1459 ± 1.461
2000
1900
1800
1700
1600
1500
1400
1300

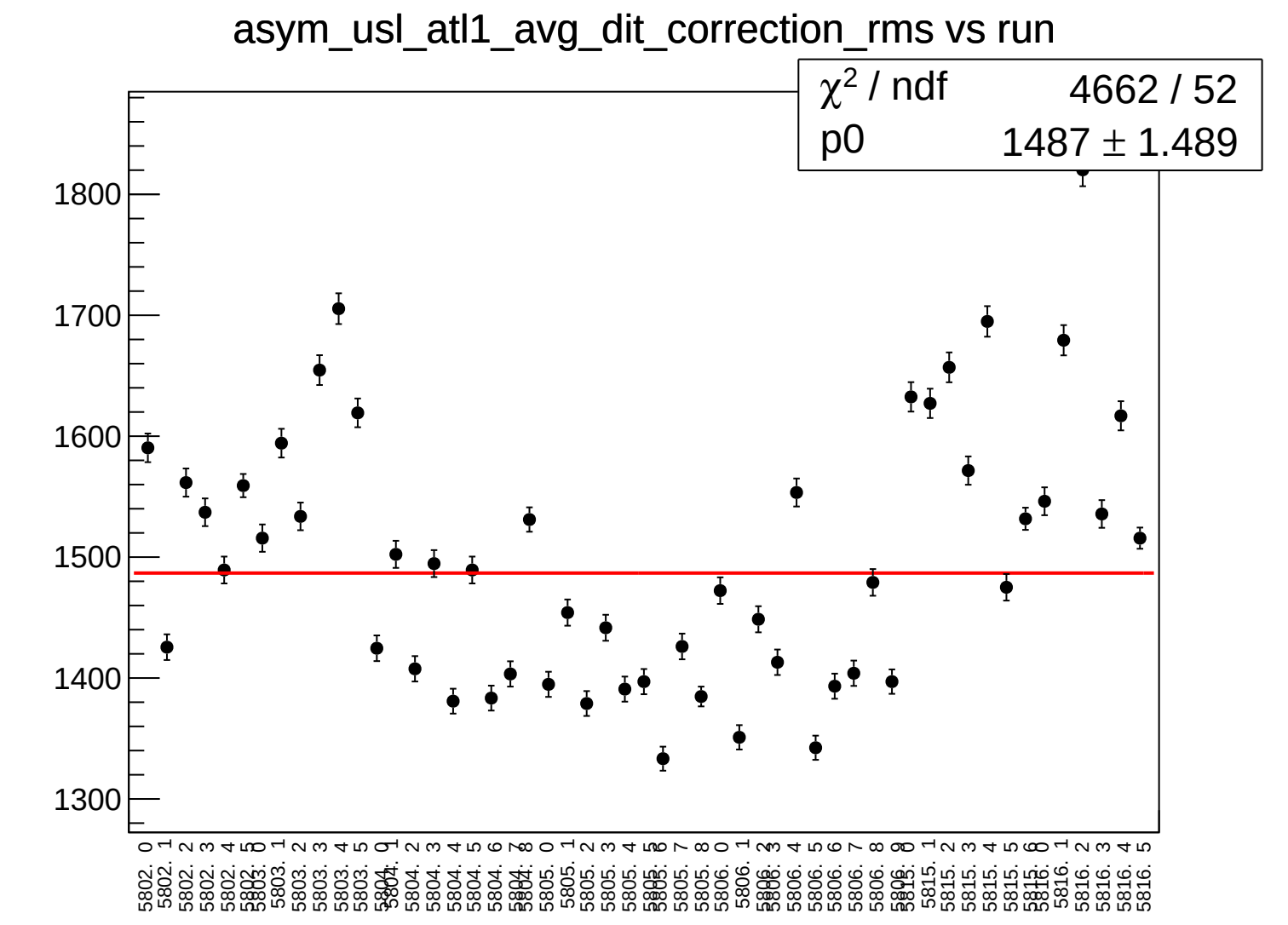

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 55.99 / 52
p0 439 ± 2704
pull
Entries 53
Mean −113.5
Std Dev 0

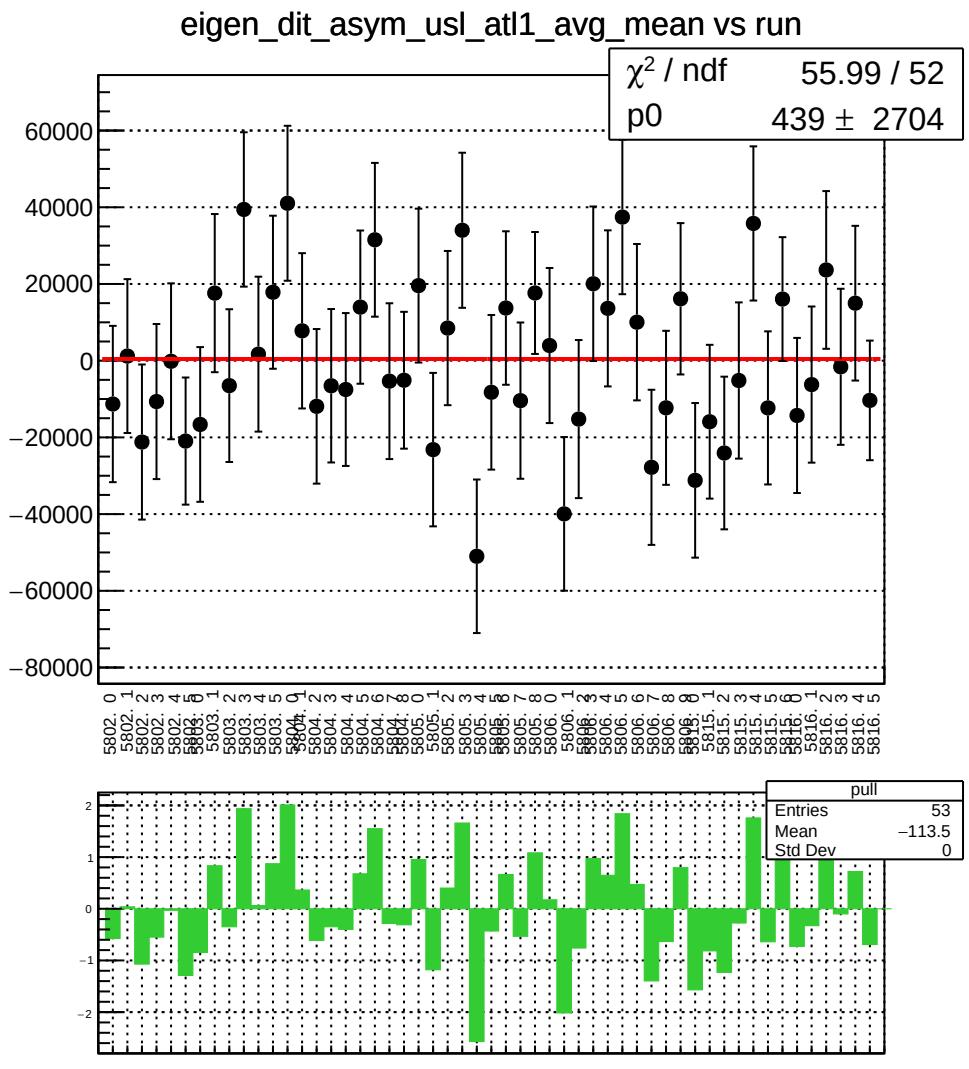

pull1D
Entries 53
Mean 0.0003947
Std Dev 1.028

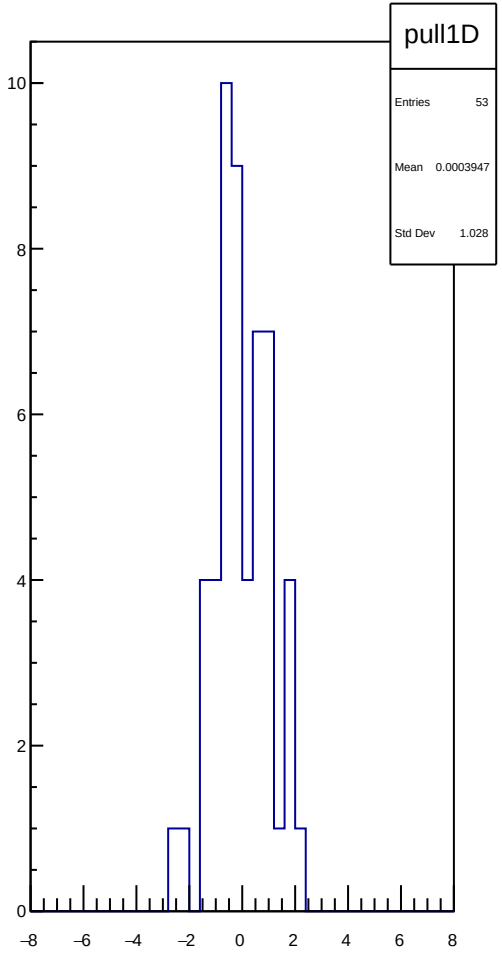

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 63.99 / 52
p0 1914 ± 1.912
1980
1960
1940
1920
1900
1880

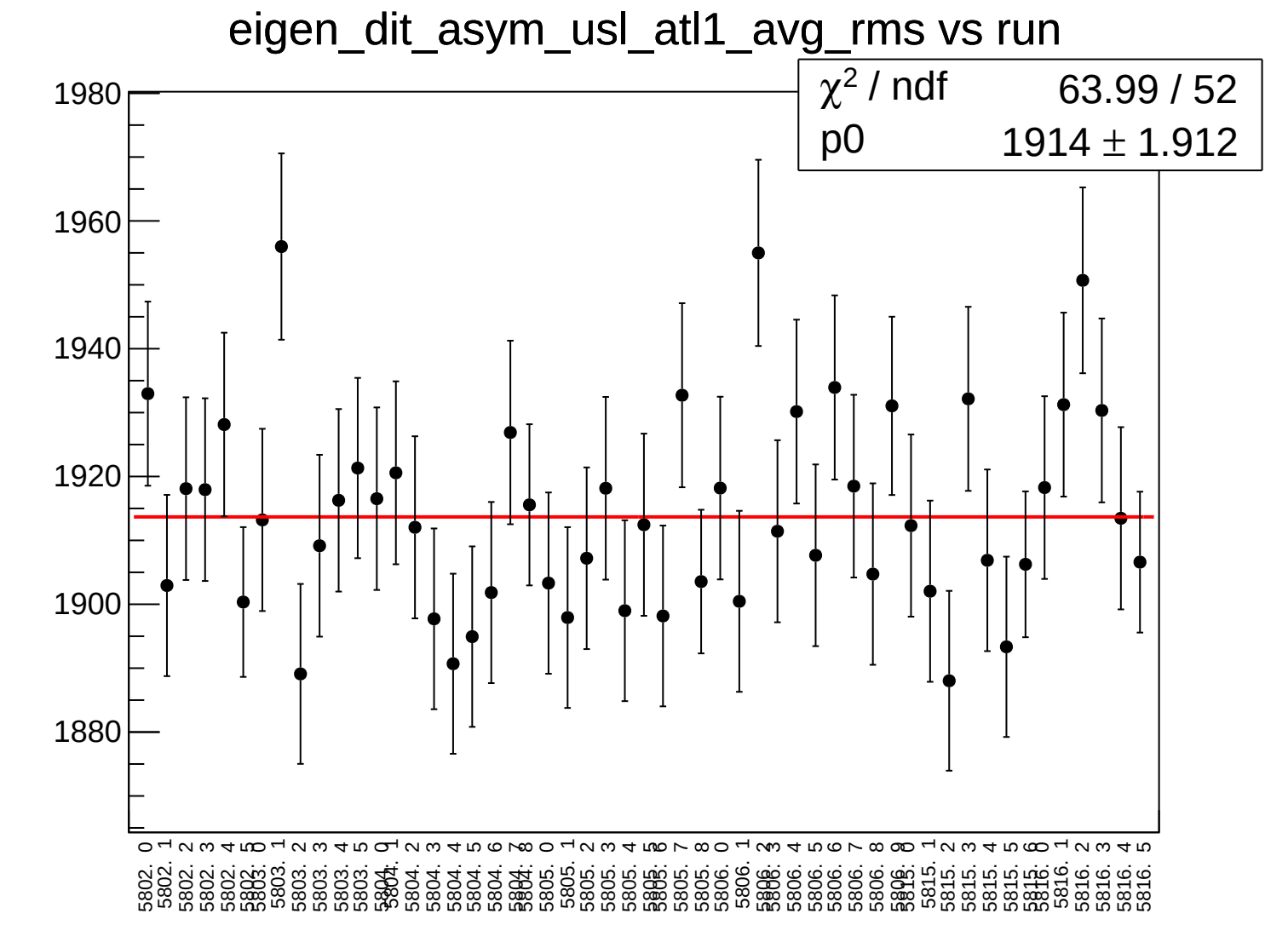

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 66.84 / 52
p0 −1056 ± 2106
pull
Entries 53
Mean −66.51
Std Dev 0

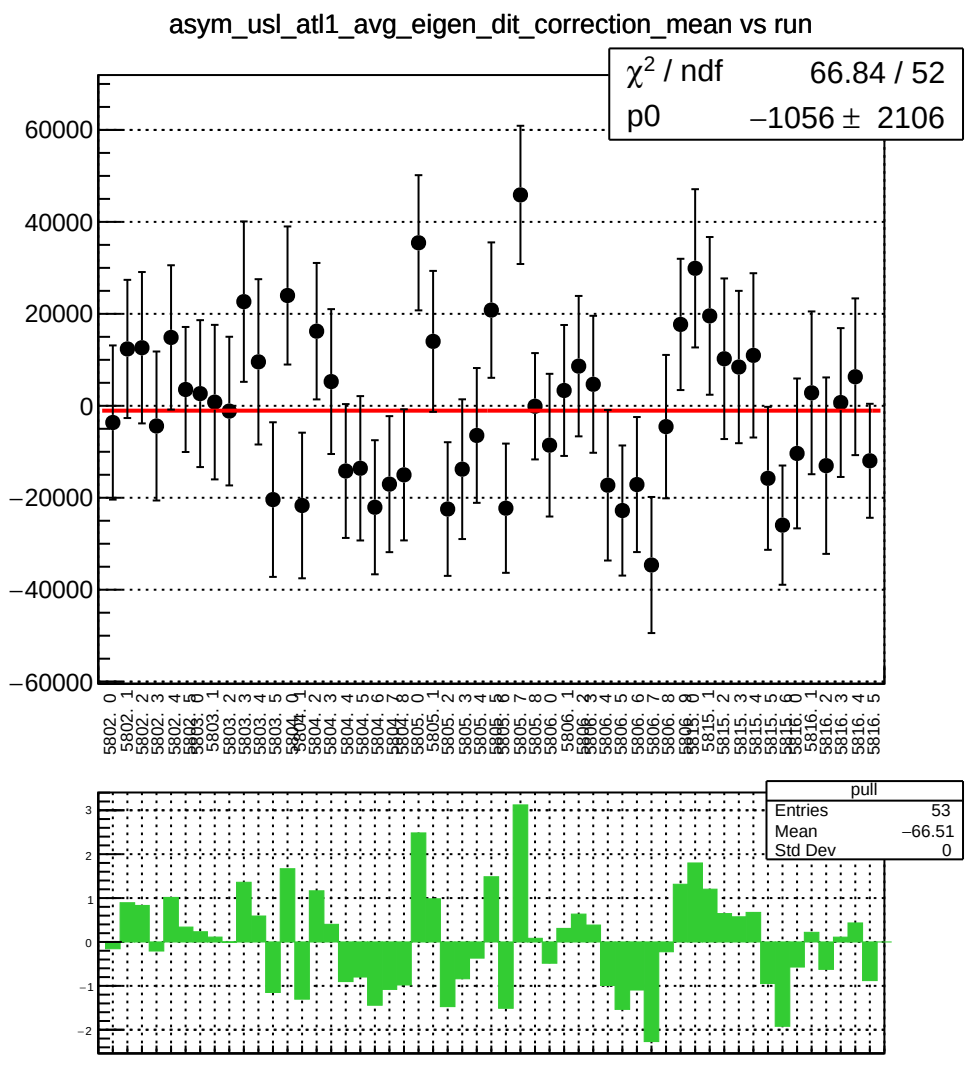

pull1D
Entries 53
Mean 0.02486
Std Dev 1.123

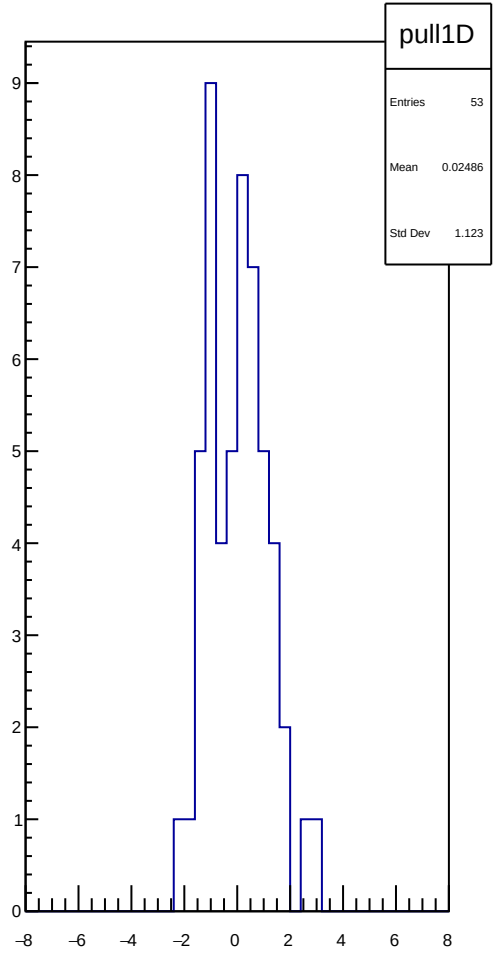

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 4662 / 52
p0 1487 ± 1.489
1800
1700
1600
1500
1400
1300

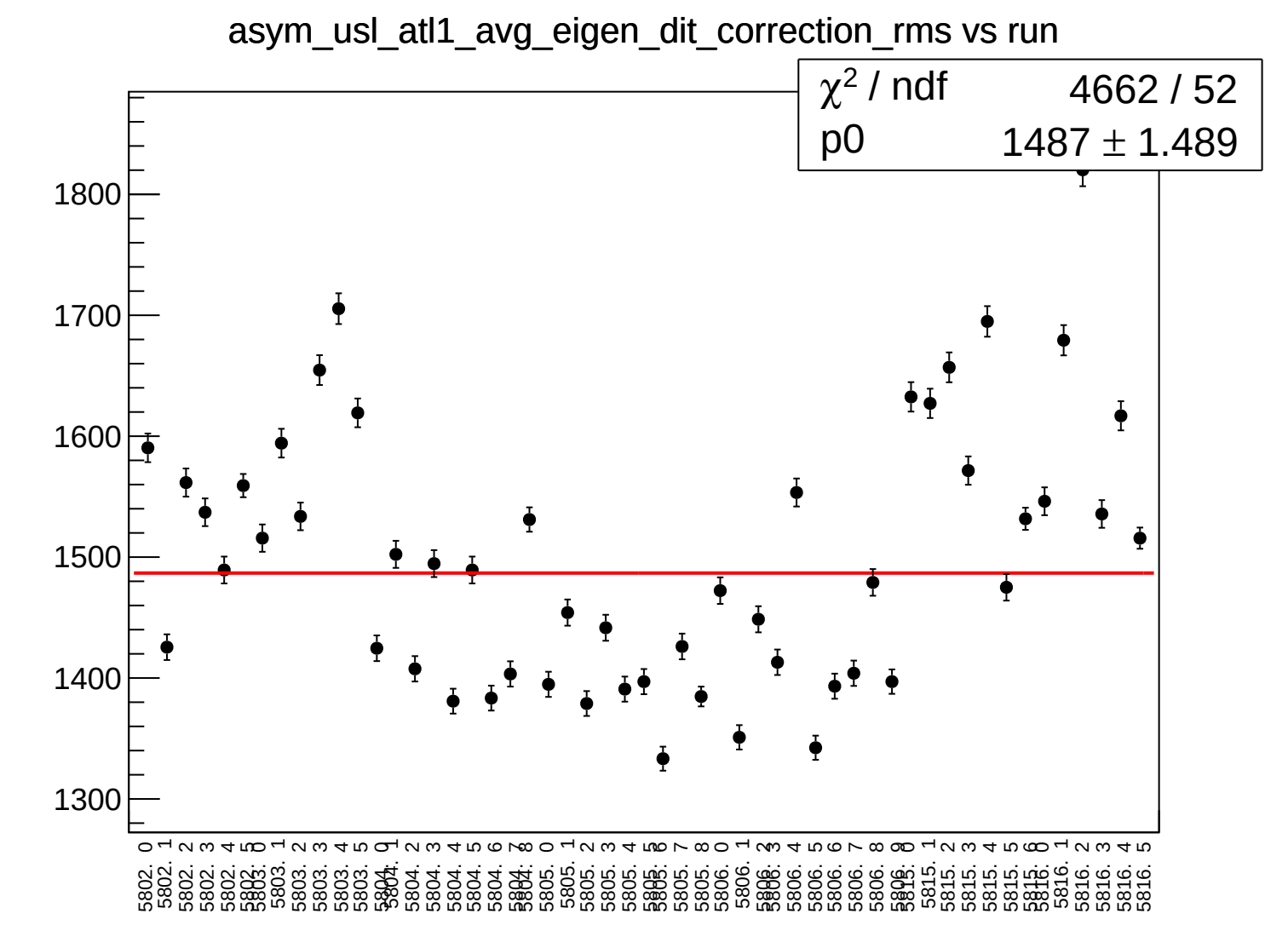

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 55.99 / 52
p0 439 ± 2704
pull
Entries 53
Mean −113.5
Std Dev 0

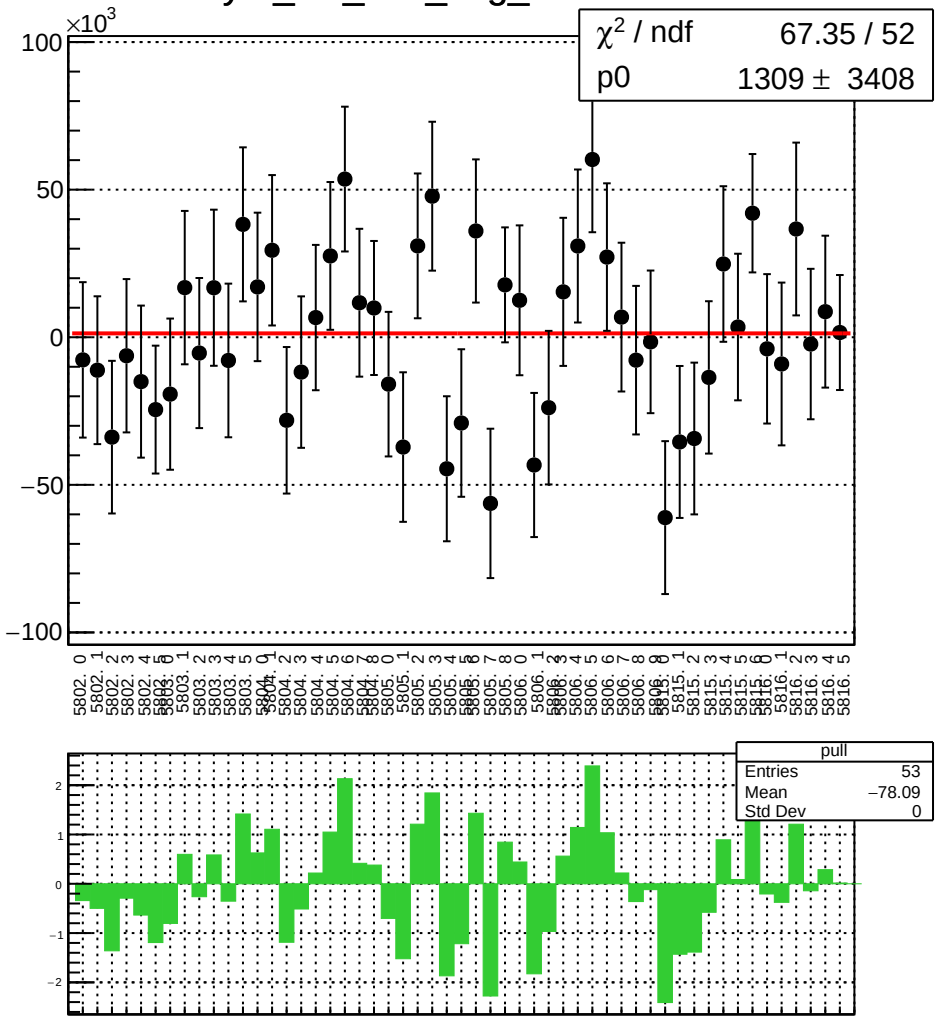

pull1D
Entries 53
Mean 0.0003947
Std Dev 1.028

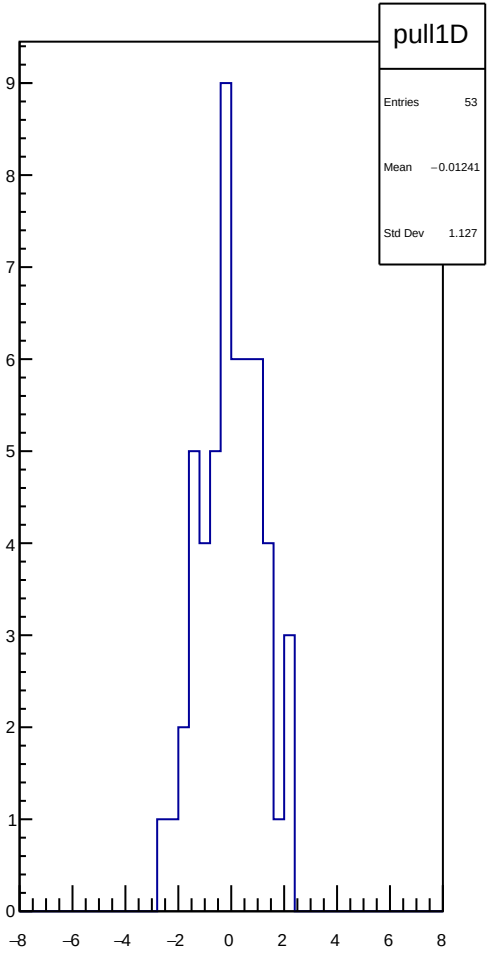

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 63.99 / 52
p0 1914 ± 1.912
1980
1960
1940
1920
1900
1880

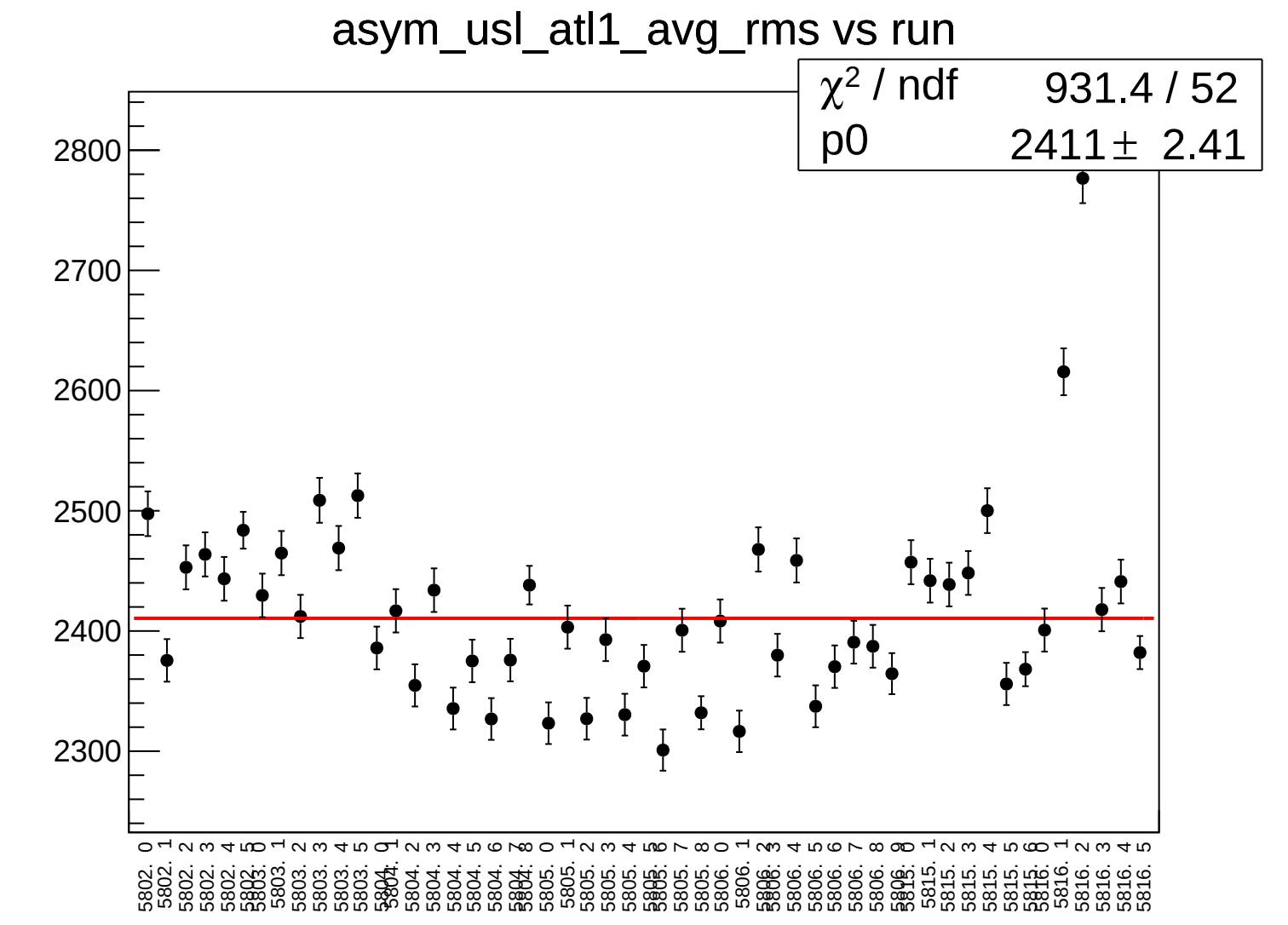

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 66.84 / 52
p0 −1056 ± 2106
pull
Entries 53
Mean −66.51
Std Dev 0

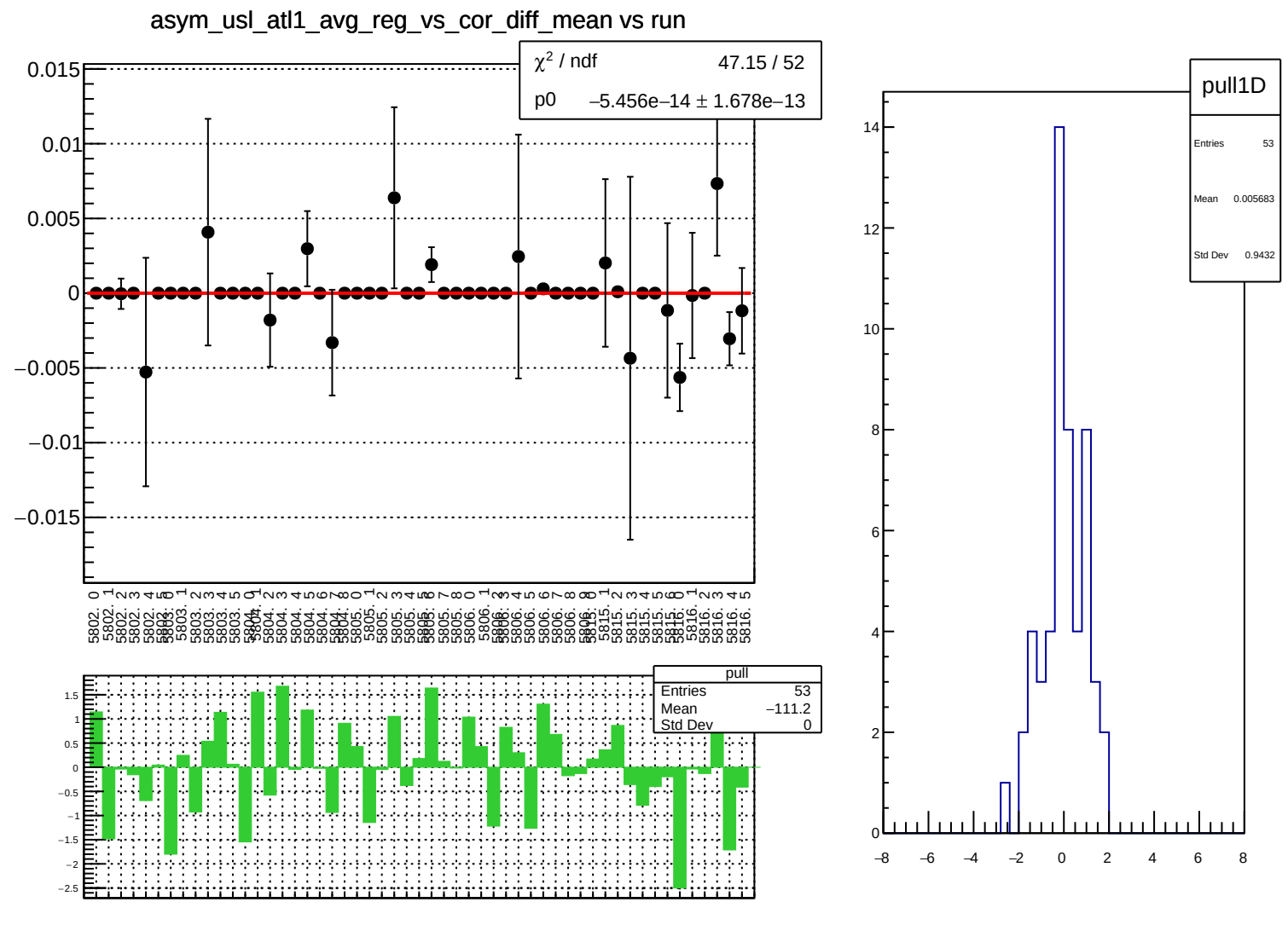

pull1D
Entries 53
Mean 0.02486
Std Dev 1.123

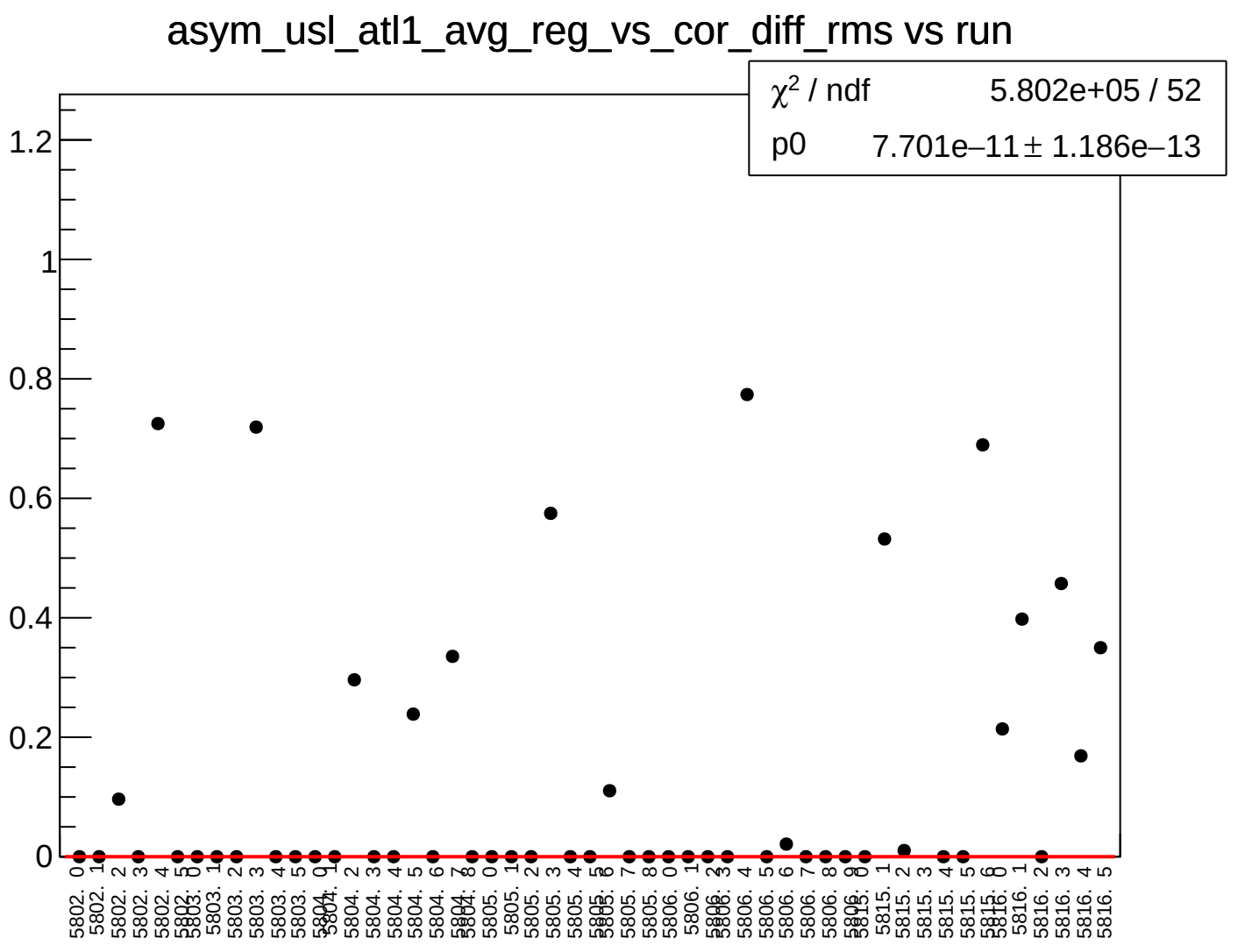

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4662 / 52
p0 1487 ± 1.489
1800
1700
1600
1500
1400
1300

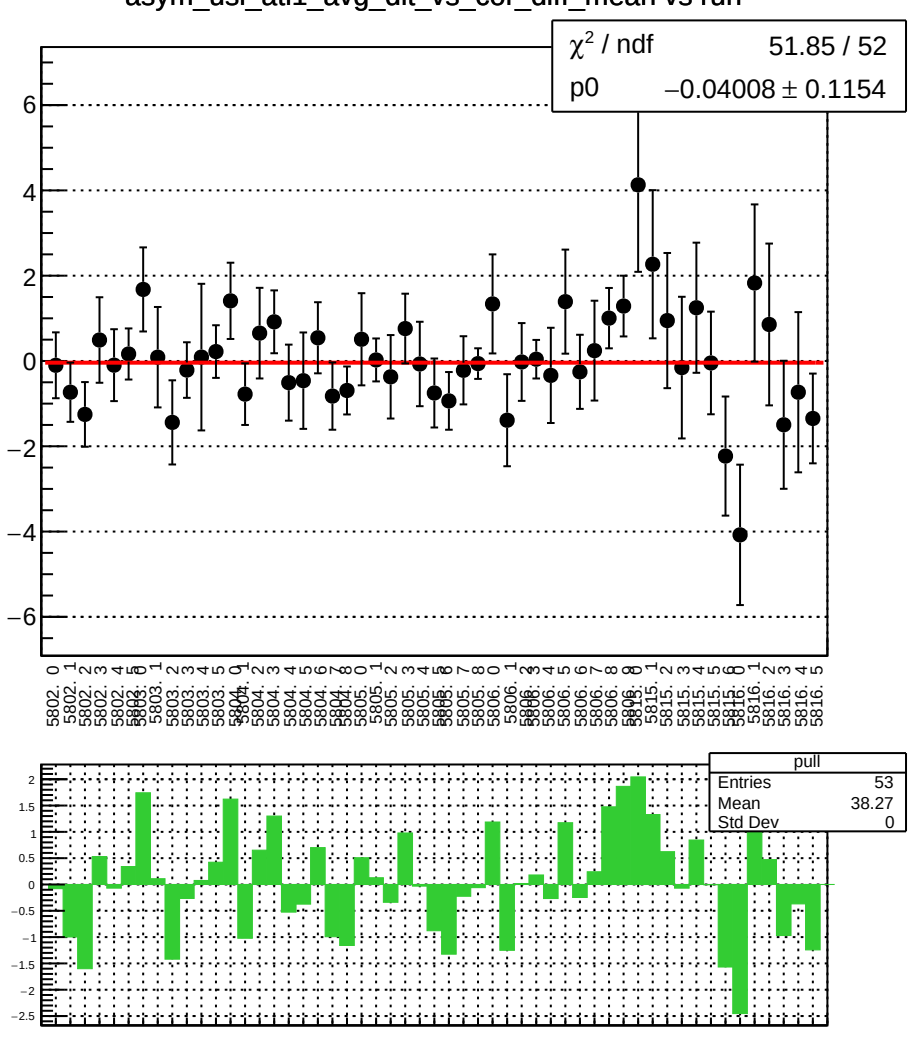

asym_usl_atl1_avg_mean vs run
×10^3
χ² / ndf 67.35 / 52
p0 1309 ± 3408
pull
Entries 53
Mean −78.09
Std Dev 0

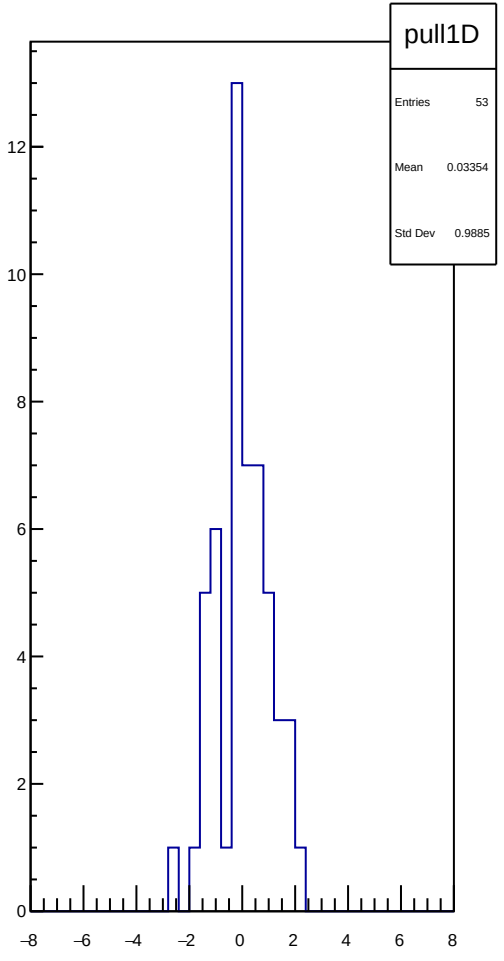

pull1D
Entries 53
Mean −0.01241
Std Dev 1.127

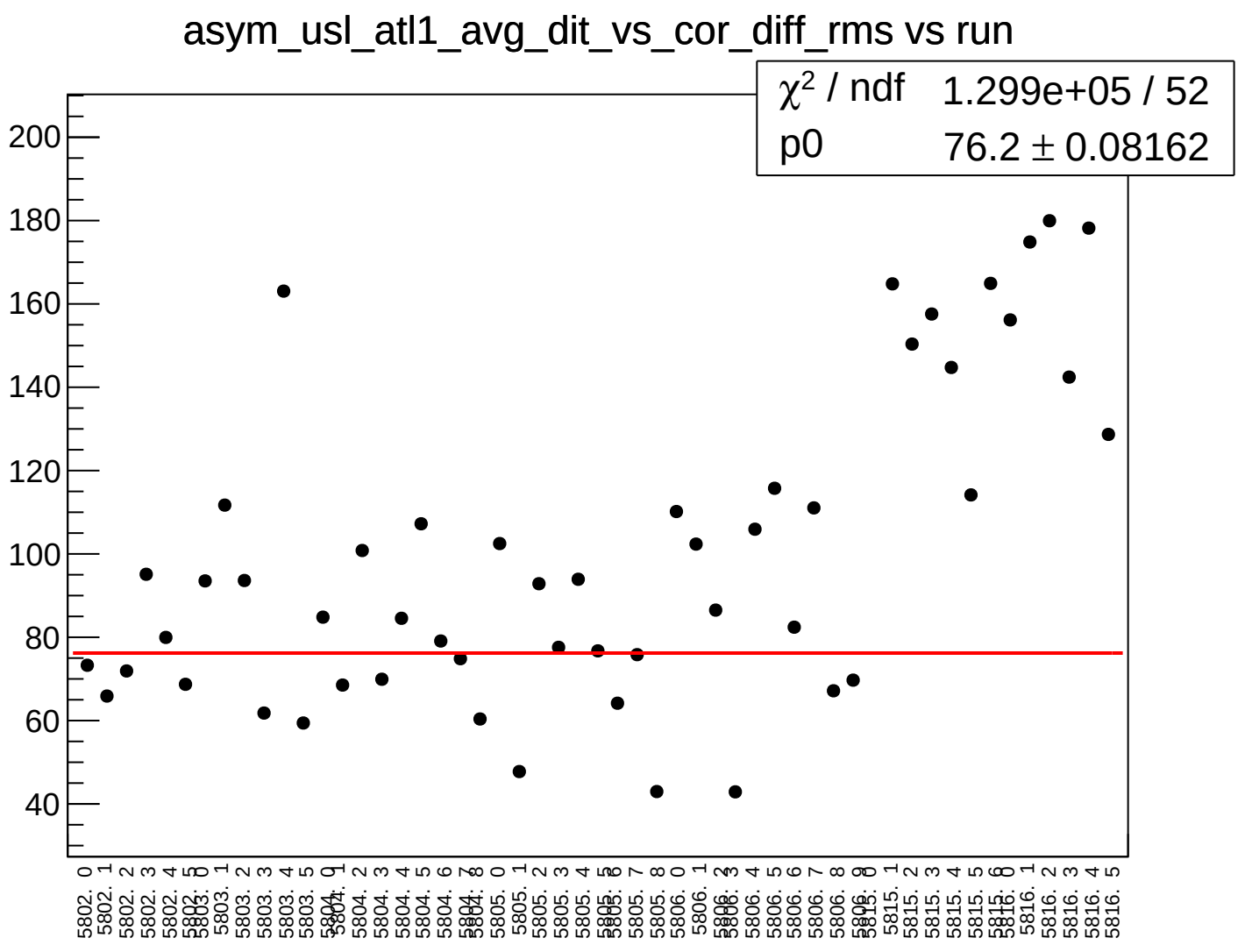

asym_usl_atl1_avg_rms vs run
χ² / ndf 931.4 / 52
p0 2411 ± 2.41
2800
2700
2600
2500
2400
2300

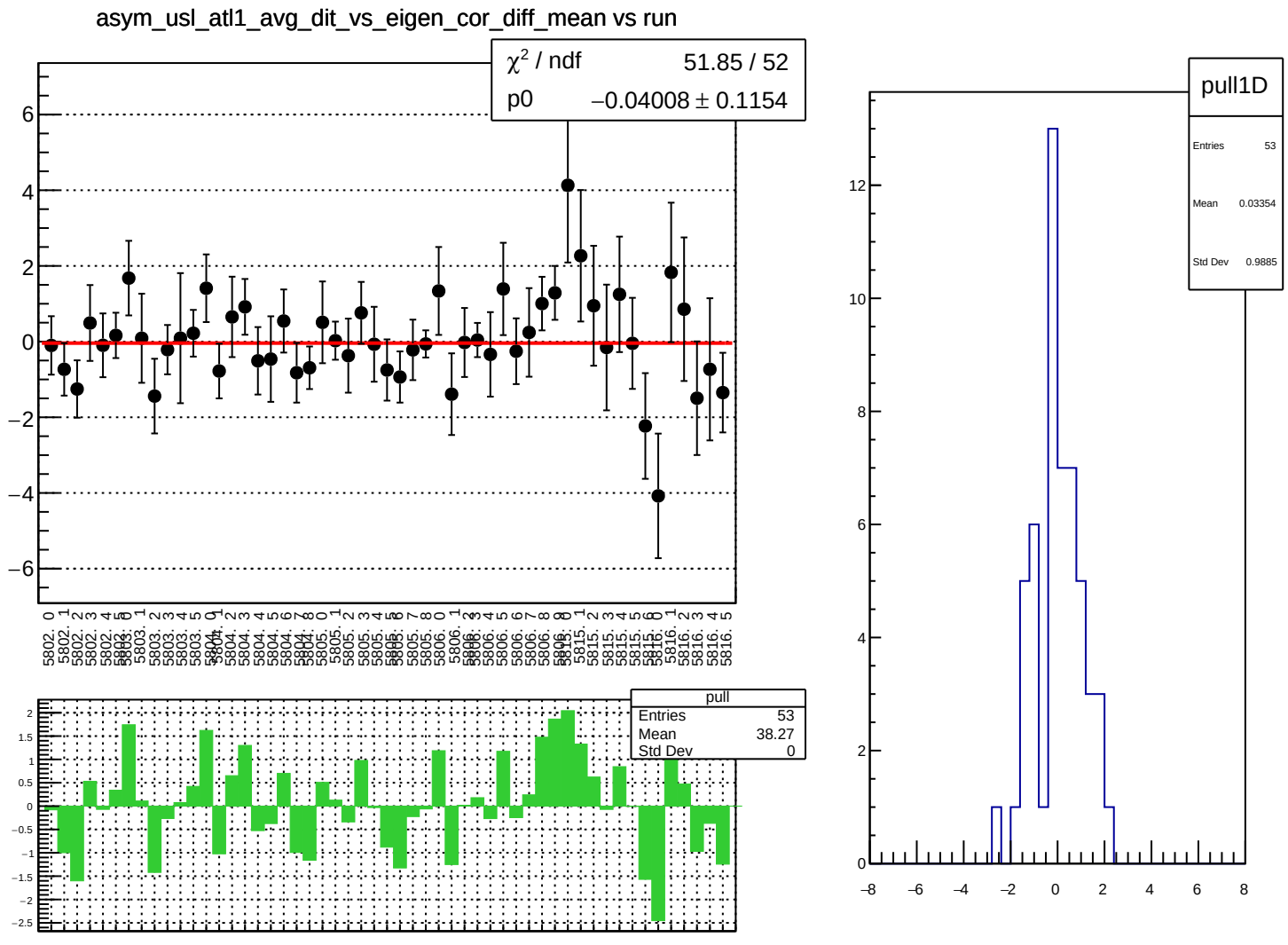

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.15 / 52
p0 −5.456e−14 ± 1.678e−13
pull
Entries 53
Mean −111.2
Std Dev 0
pull1D
Entries 53
Mean 0.005683
Std Dev 0.9432

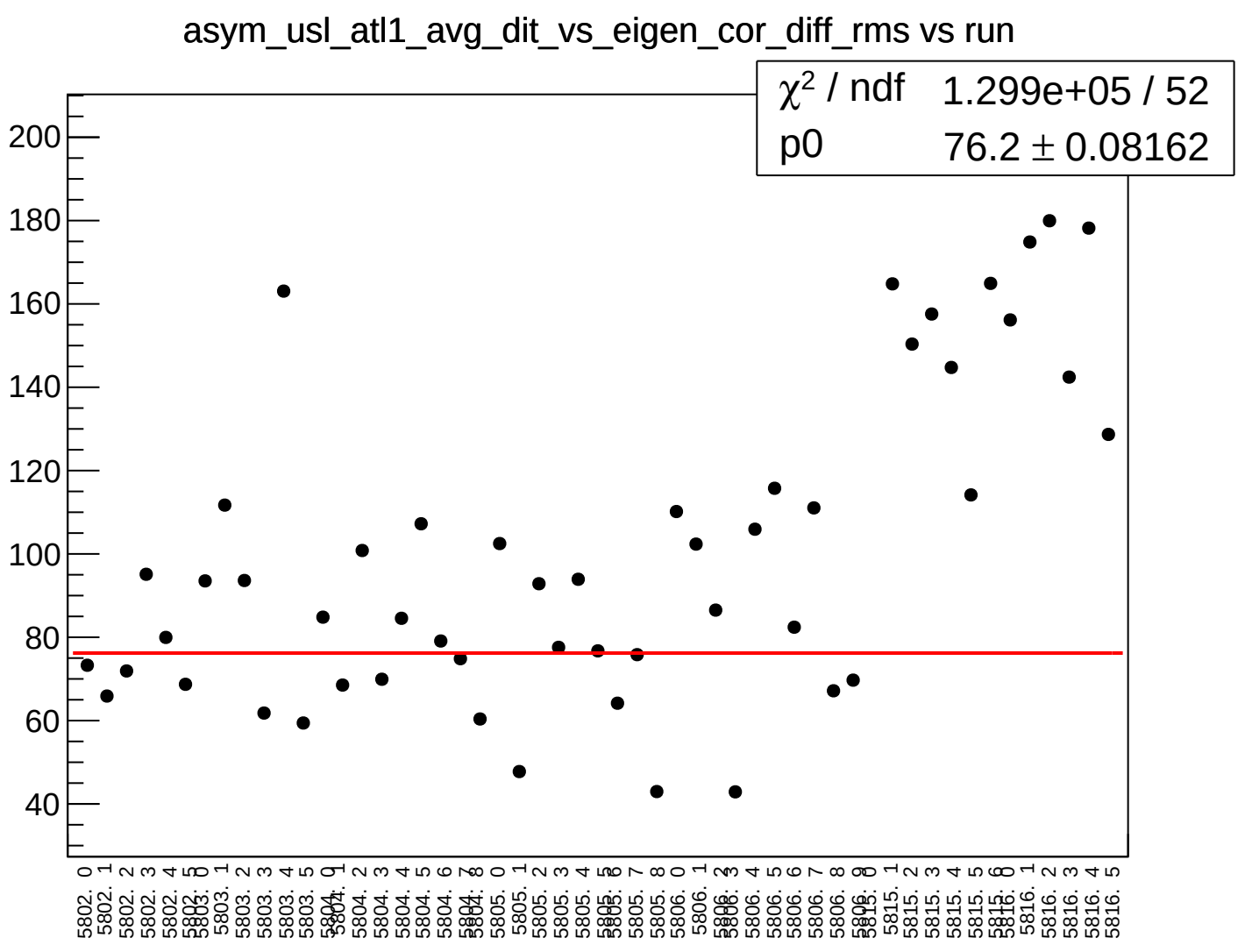

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.802e+05 / 52
p0 7.701e−11 ± 1.186e−13
1.2
1
0.8
0.6
0.4
0.2
0

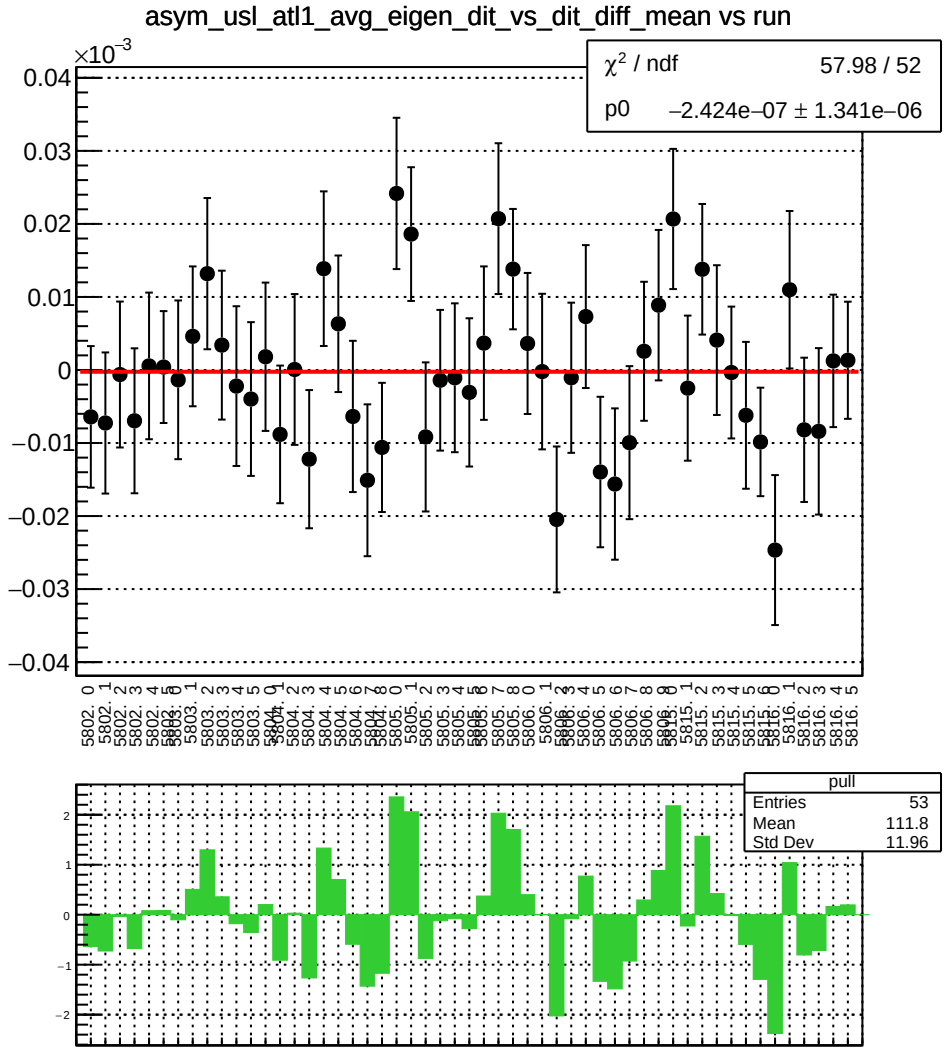

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.85 / 52
p0 −0.04008 ± 0.1154
pull
Entries 53
Mean 38.27
Std Dev 0

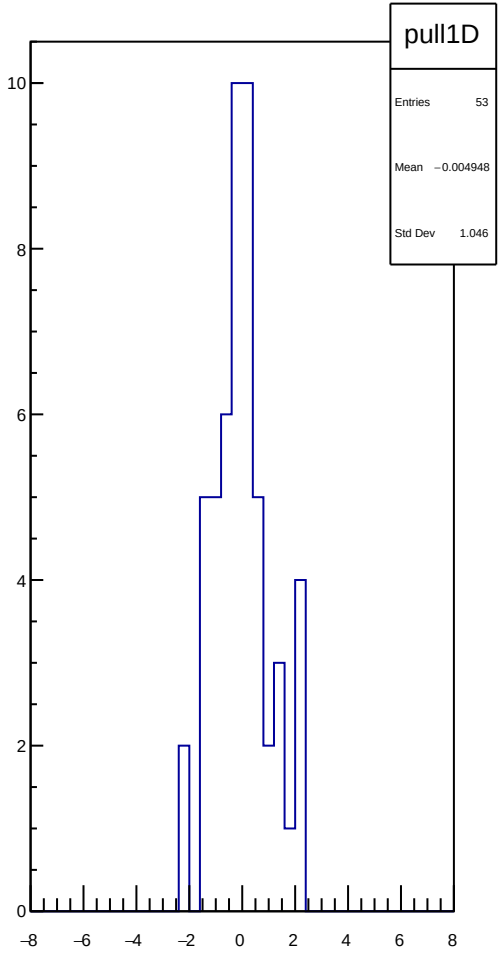

pull1D
Entries 53
Mean 0.03354
Std Dev 0.9885

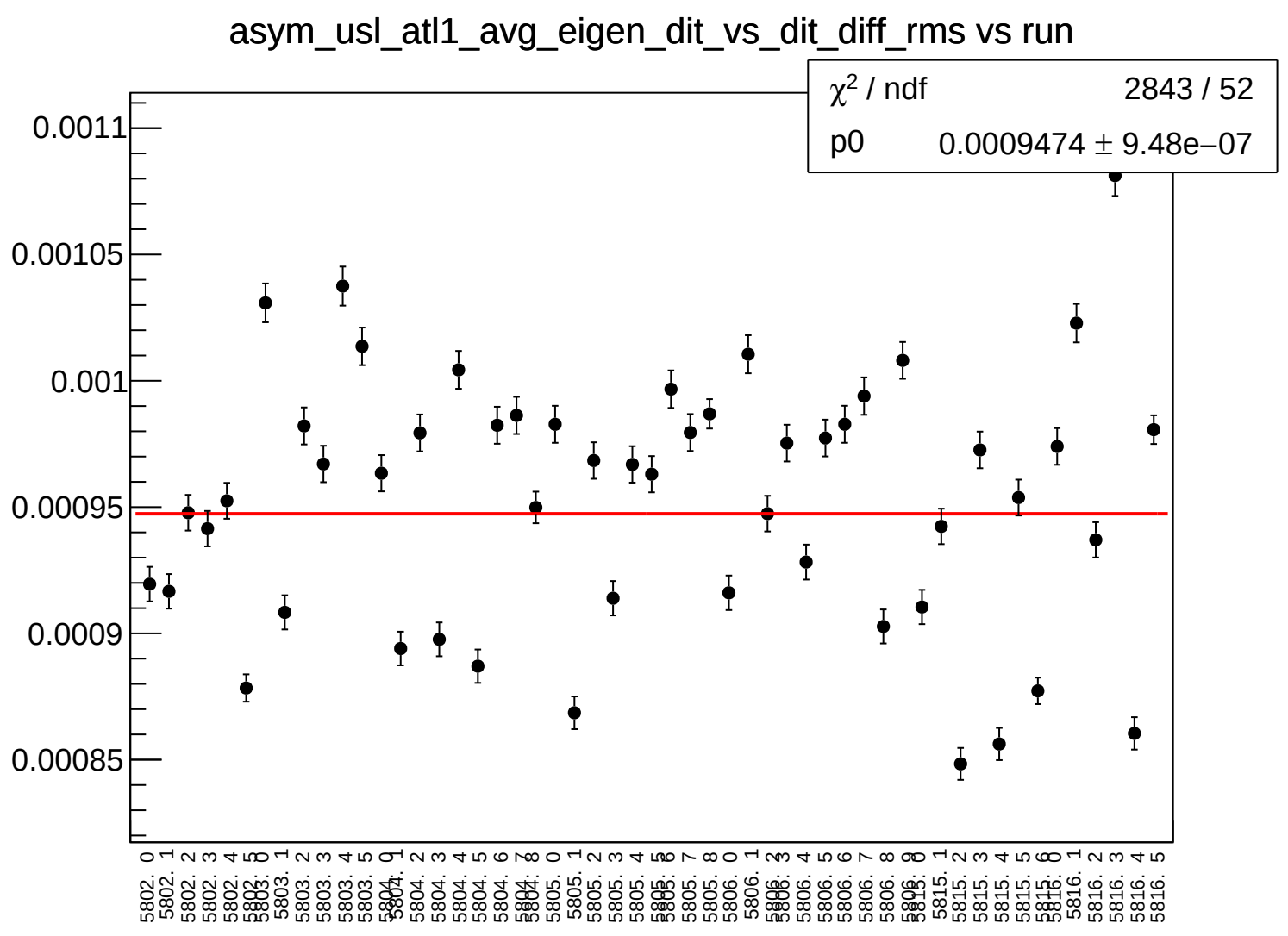

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 52
p0 76.2 ± 0.08162
200
180
160
140
120
100
80
60
40

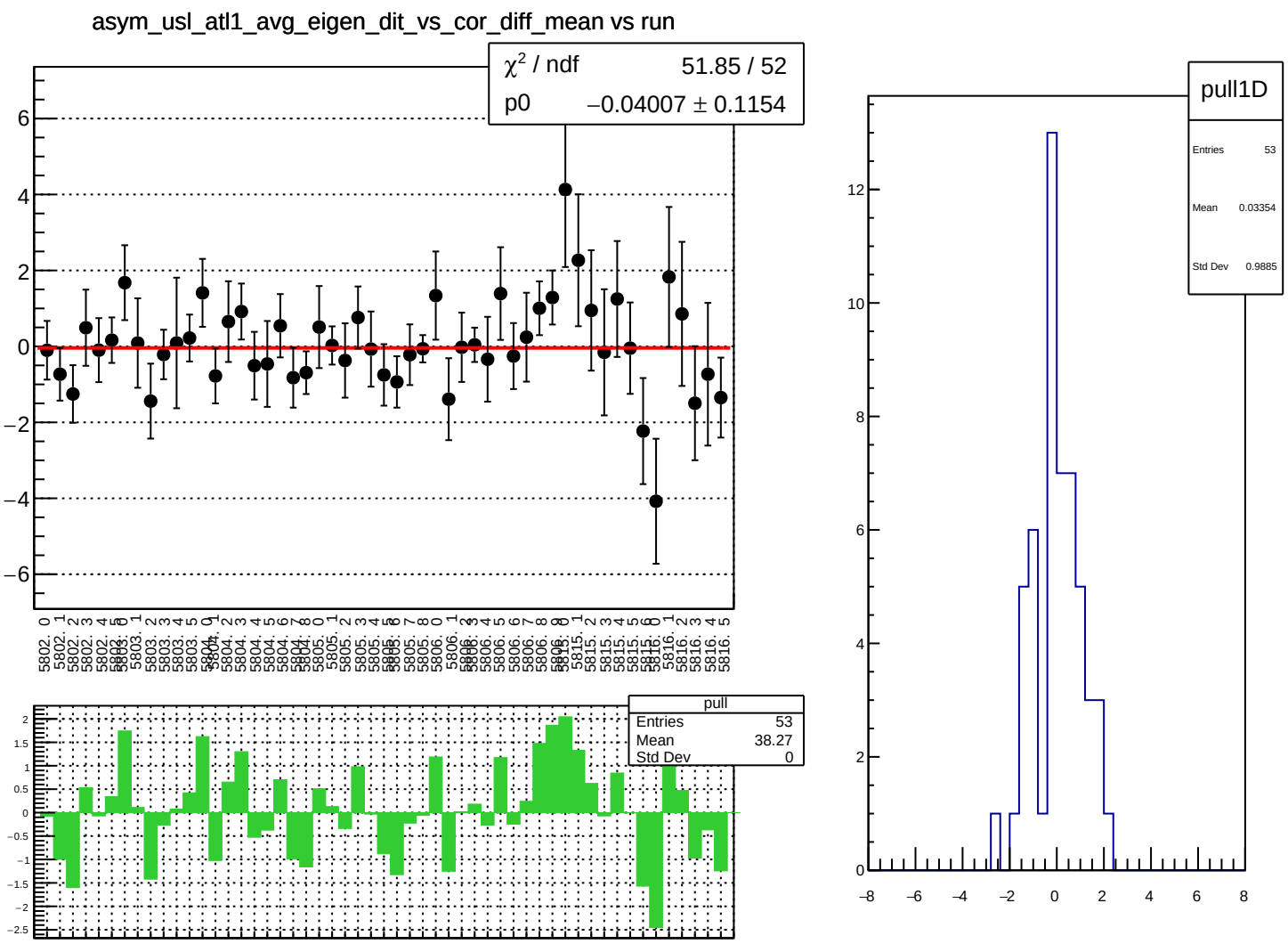

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.85 / 52
p0 −0.04008 ± 0.1154
pull
Entries 53
Mean 38.27
Std Dev 0
pull1D
Entries 53
Mean 0.03354
Std Dev 0.9885

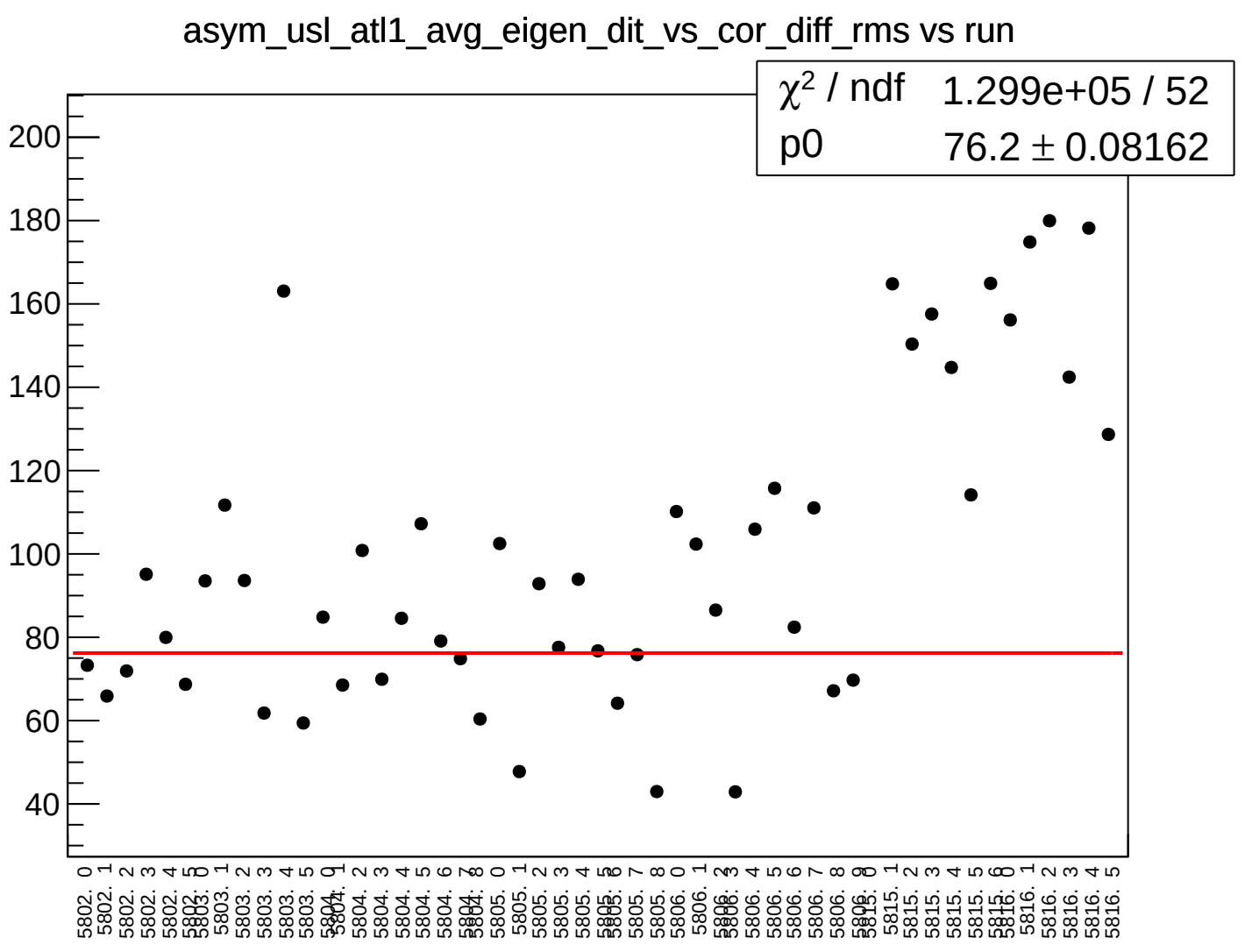

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 52
p0 76.2 ± 0.08162
200
180
160
140
120
100
80
60
40

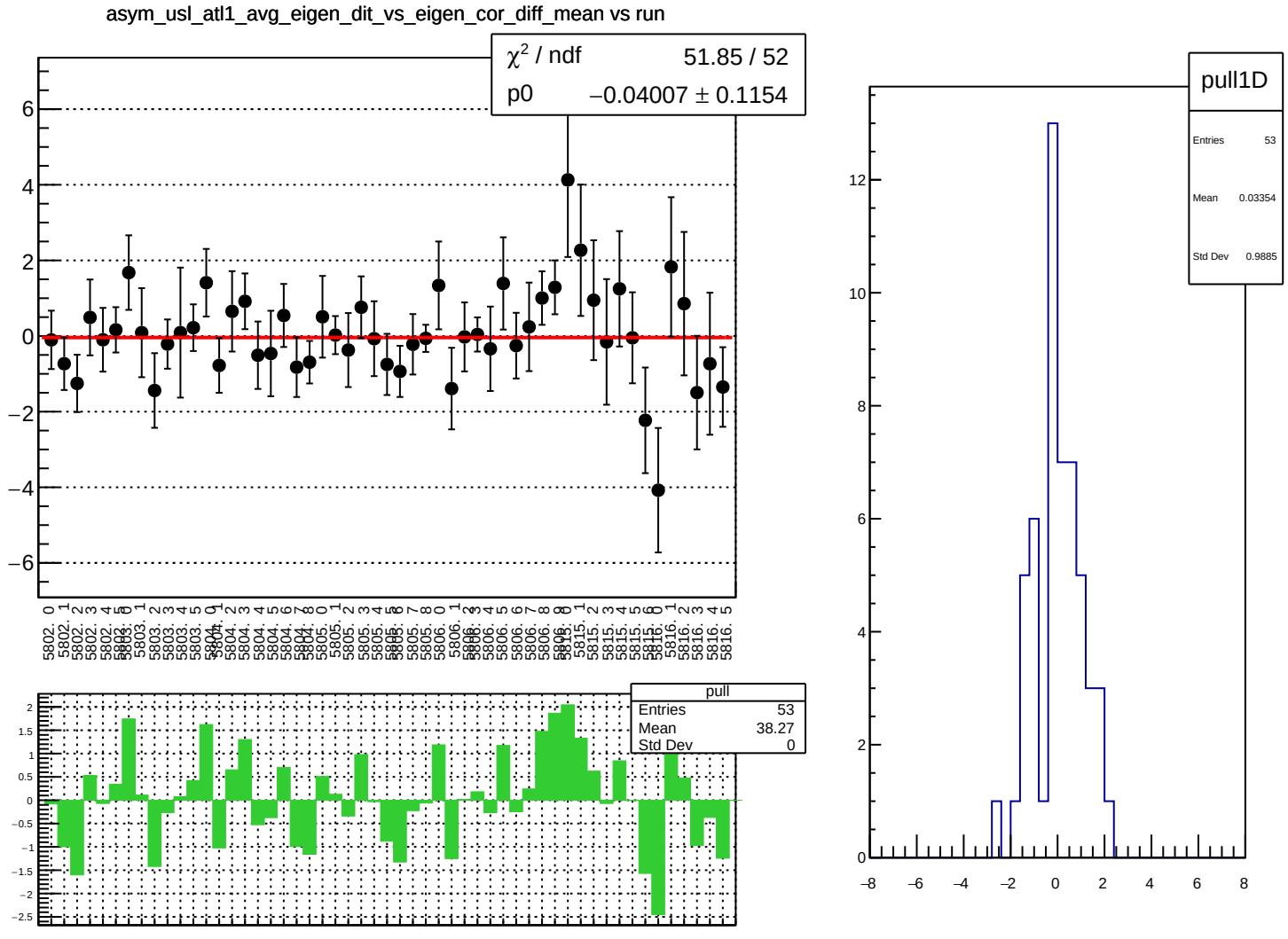

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.98 / 52
p0 −2.424e−07 ± 1.341e−06
pull
Entries 53
Mean 111.8
Std Dev 11.96

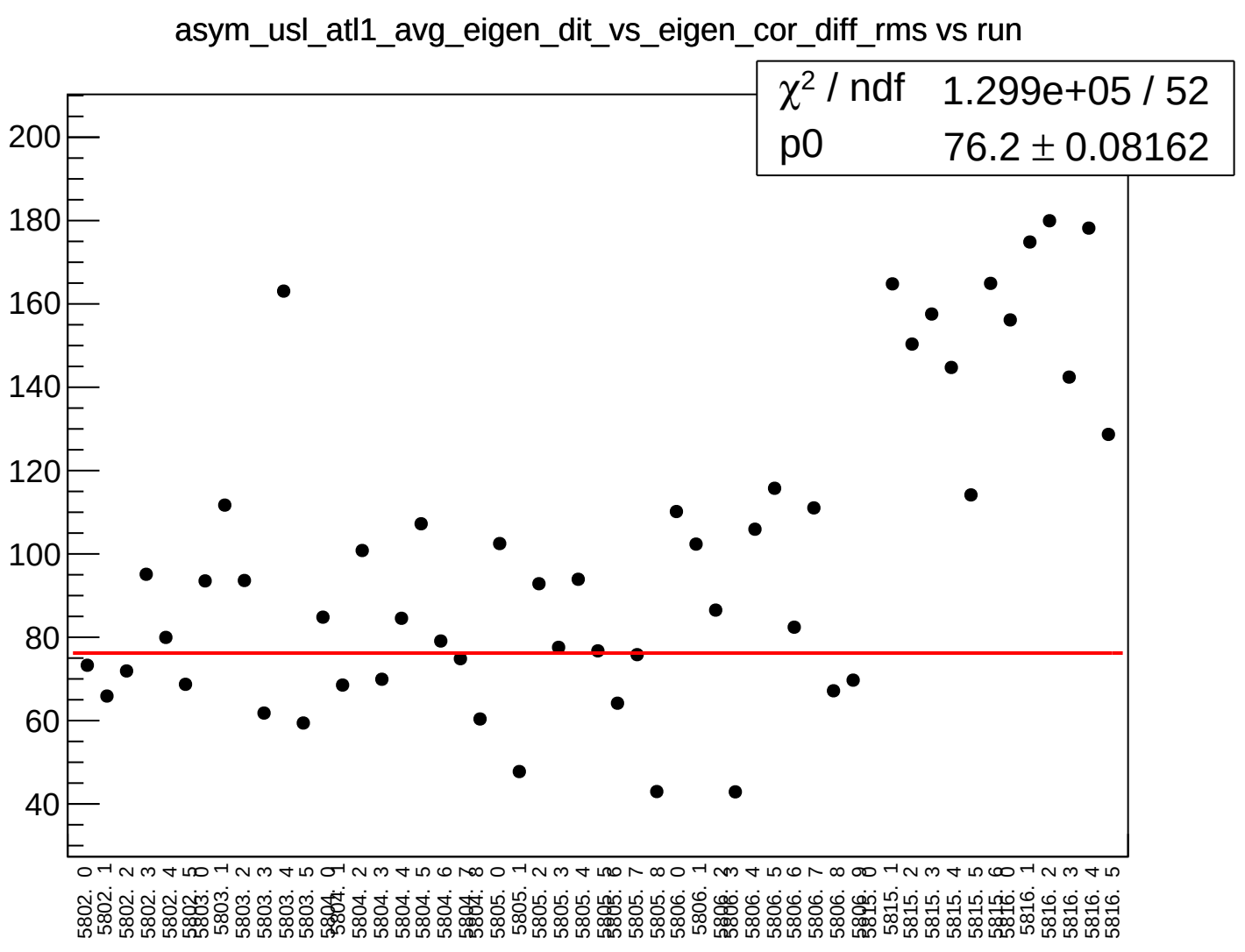

pull1D
Entries 53
Mean −0.004948
Std Dev 1.046

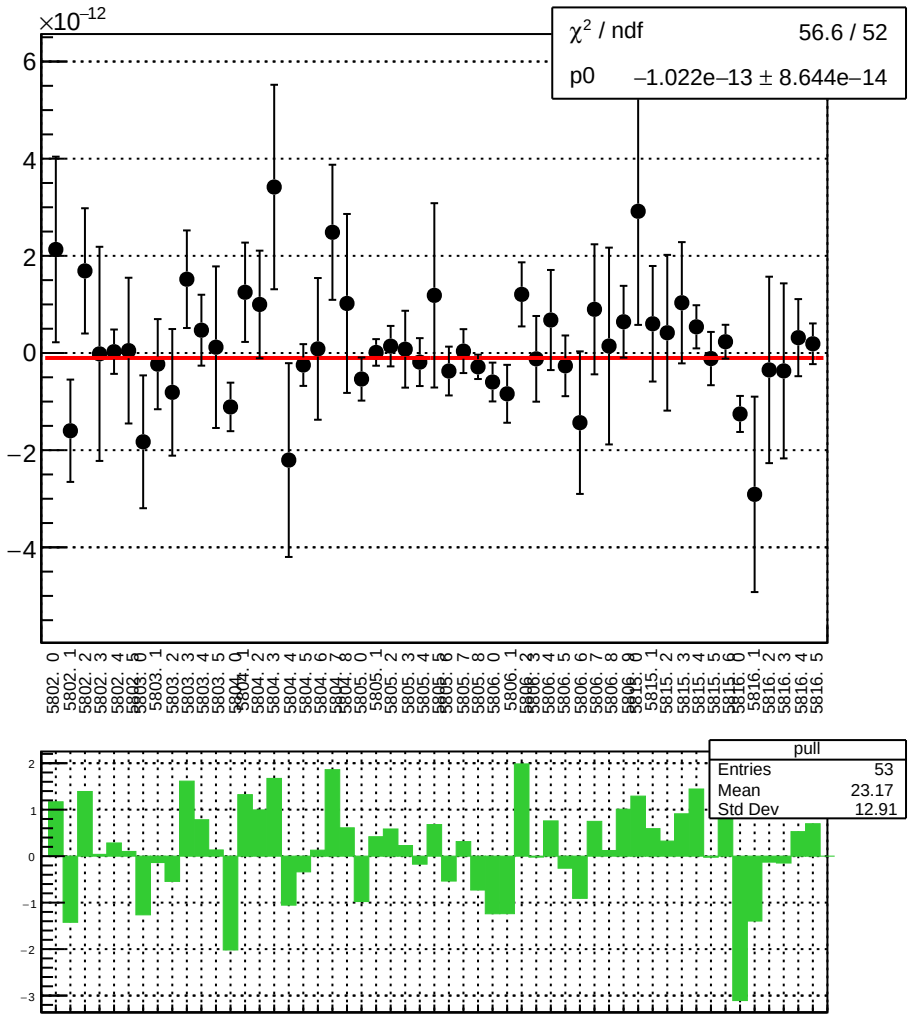

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2843 / 52
p0 0.0009474 ± 9.48e−07
0.0011
0.00105
0.001
0.00095
0.0009
0.00085

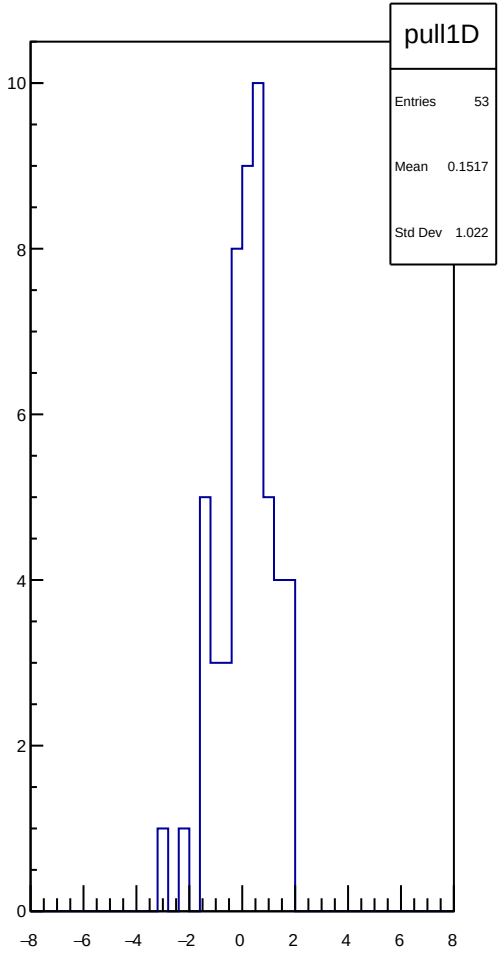

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.85 / 52
p0 −0.04007 ± 0.1154
pull
Entries 53
Mean 38.27
Std Dev 0
pull1D
Entries 53
Mean 0.03354
Std Dev 0.9885

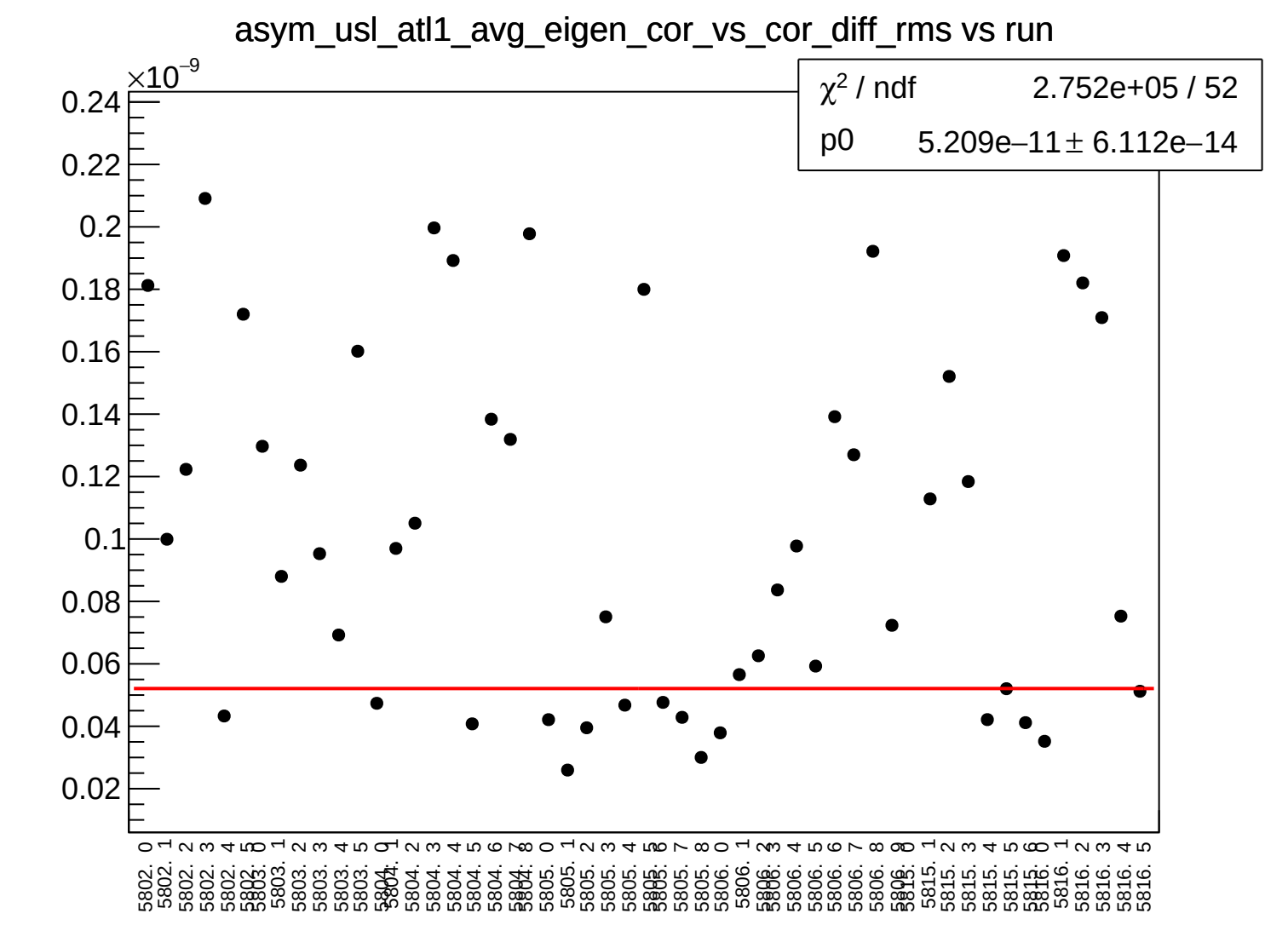

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 52
p0 76.2 ± 0.08162
200
180
160
140
120
100
80
60
40

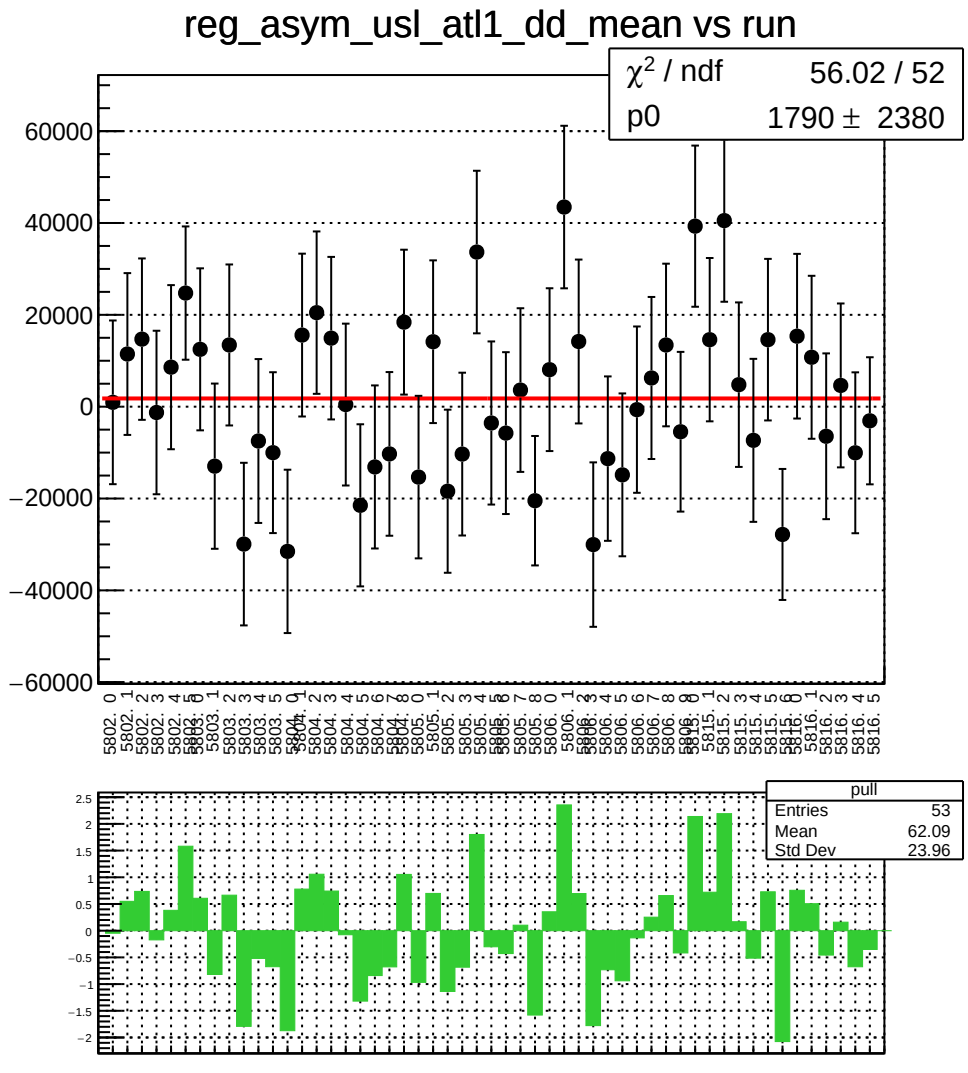

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.85 / 52
p0 −0.04007 ± 0.1154
pull
Entries 53
Mean 38.27
Std Dev 0
pull1D
Entries 53
Mean 0.03354
Std Dev 0.9885

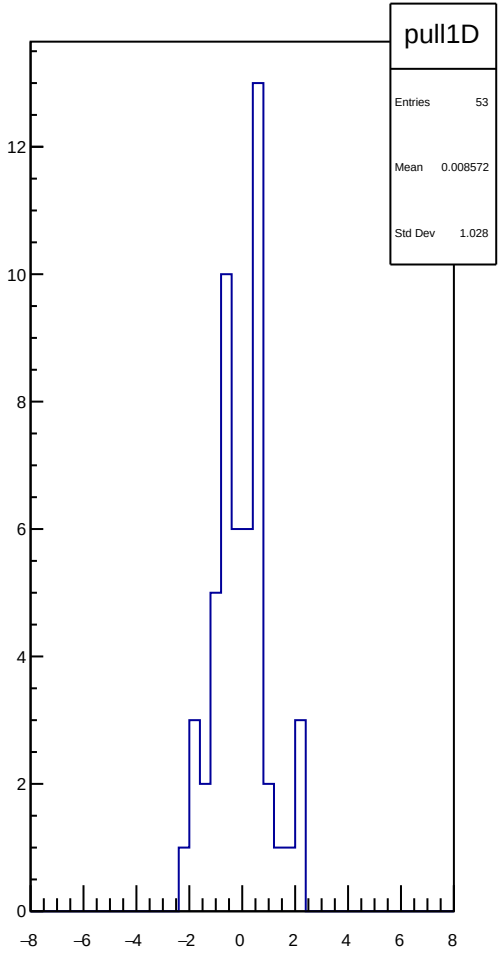

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.299e+05 / 52
p0 76.2 ± 0.08162
200
180
160
140
120
100
80
60
40

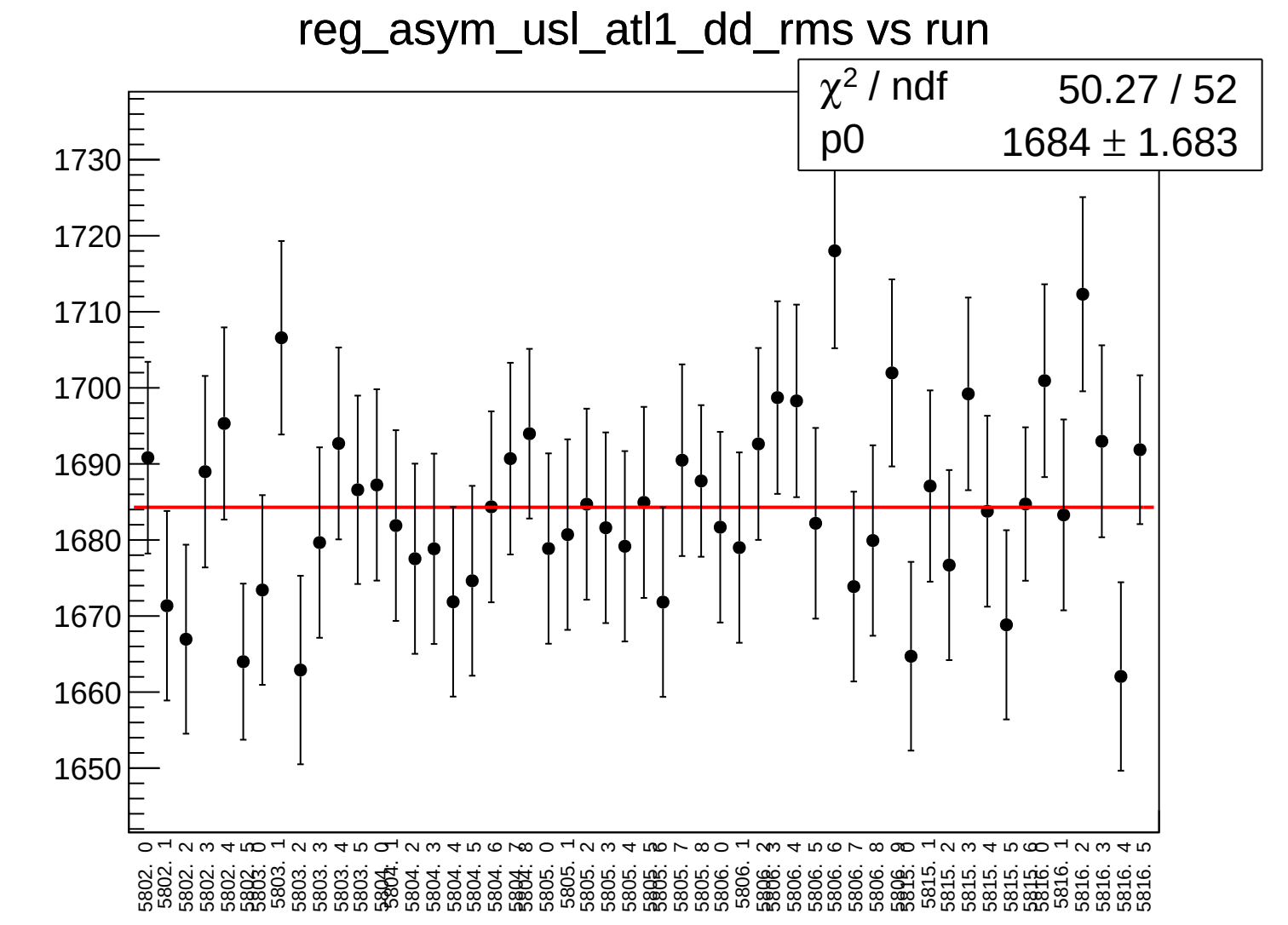

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.6 / 52
p0 −1.022e−13 ± 8.644e−14
pull
Entries 53
Mean 23.17
Std Dev 12.91

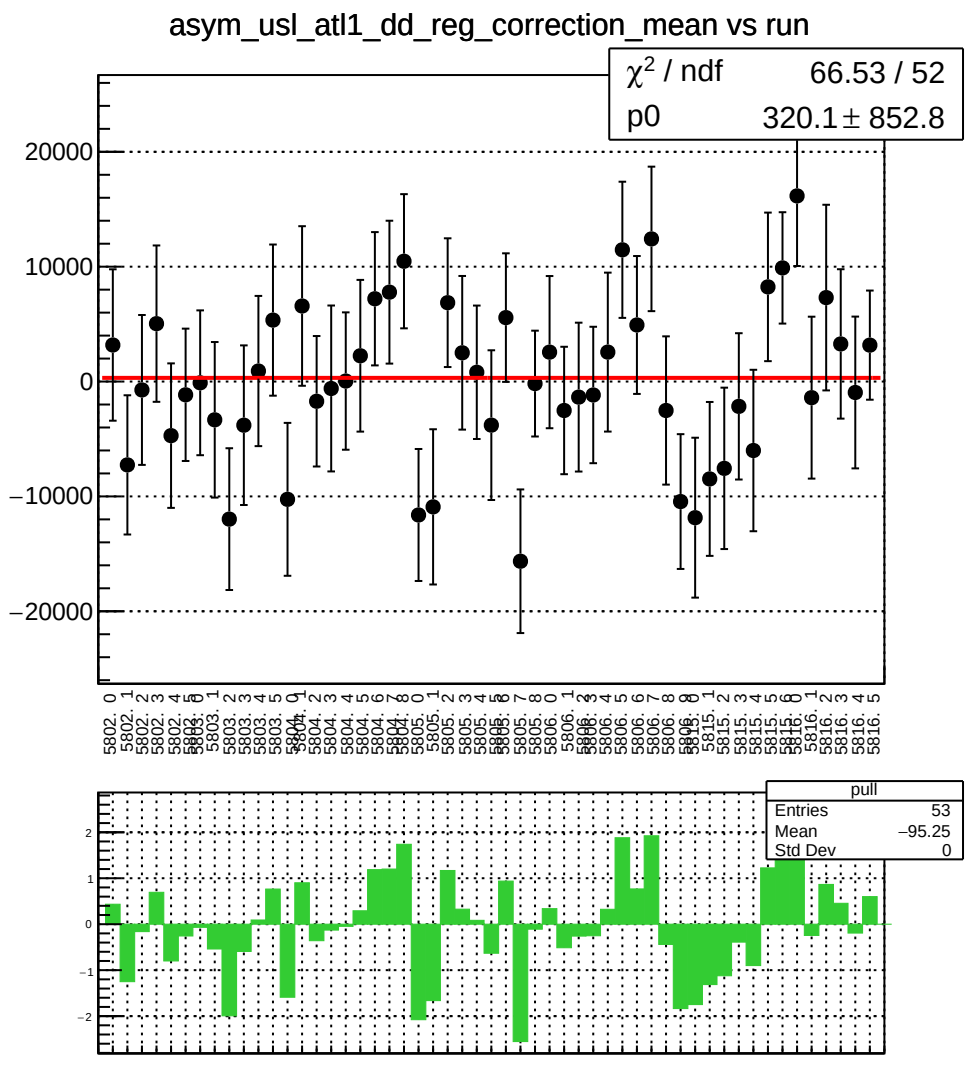

pull1D
Entries 53
Mean 0.1517
Std Dev 1.022

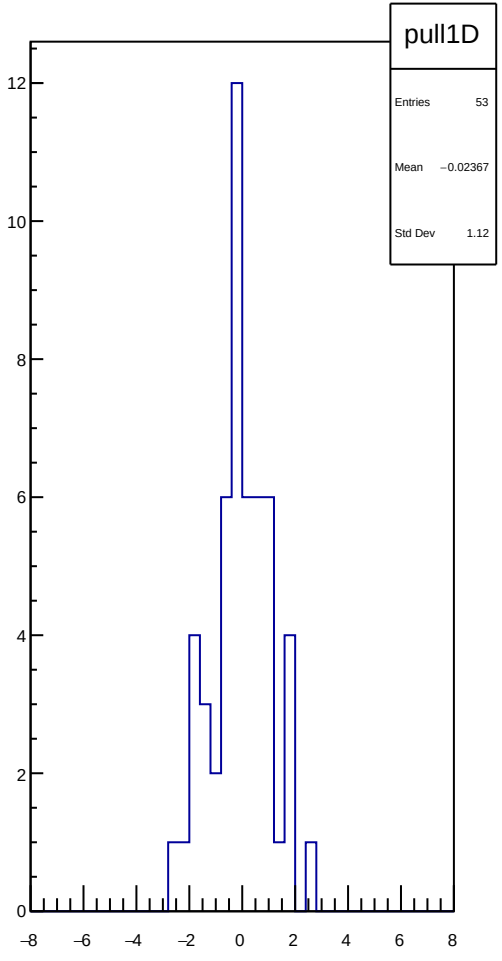

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.752e+05 / 52
p0 5.209e−11 ± 6.112e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

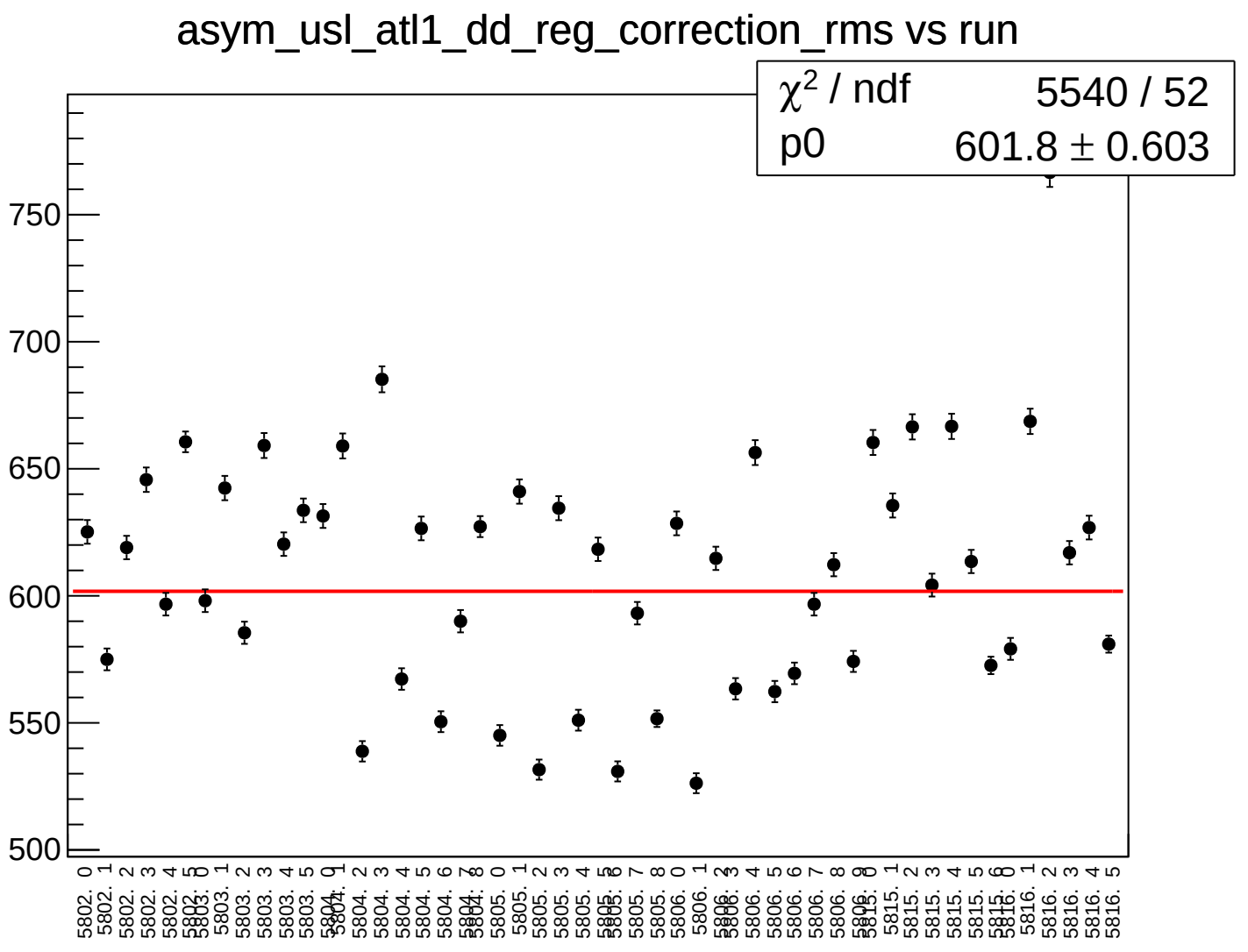

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.02 / 52
p0 1790 ± 2380
pull
Entries 53
Mean 62.09
Std Dev 23.96

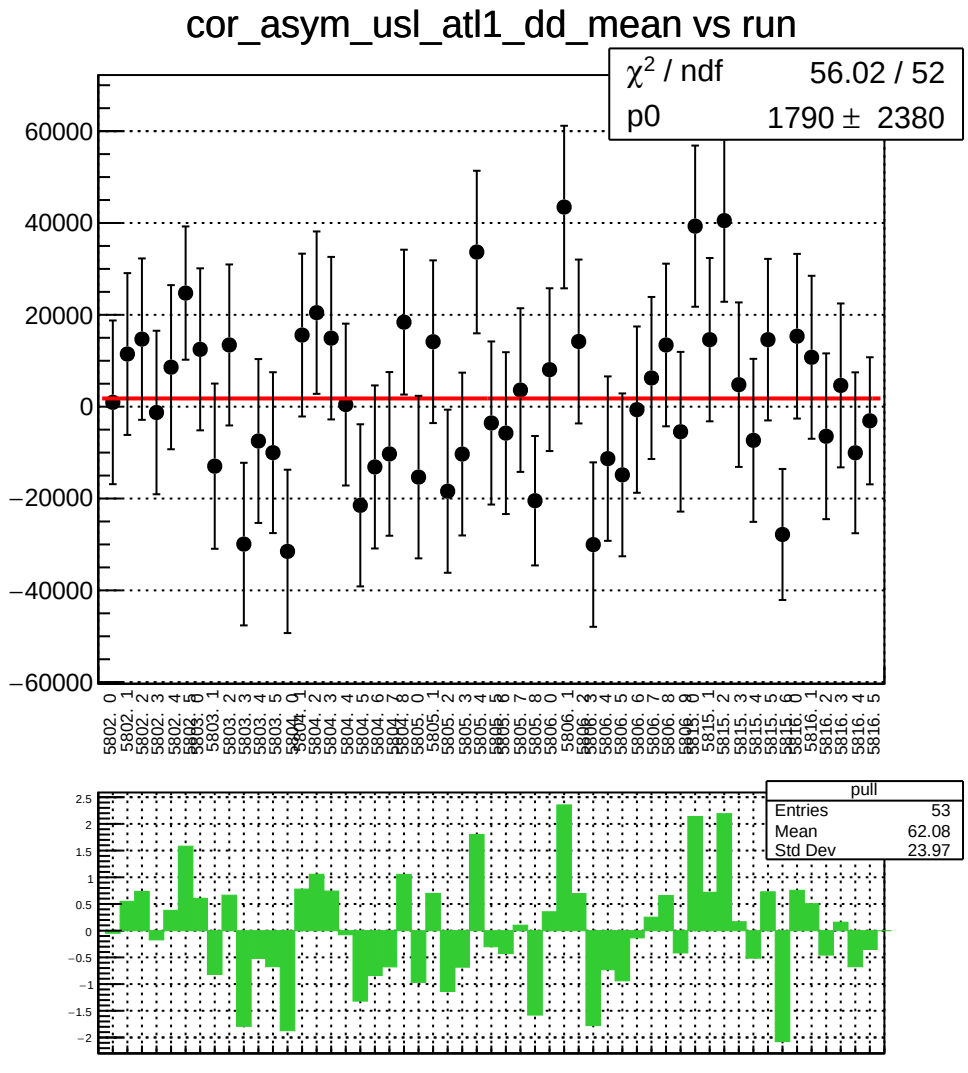

pull1D
Entries 53
Mean 0.008572
Std Dev 1.028

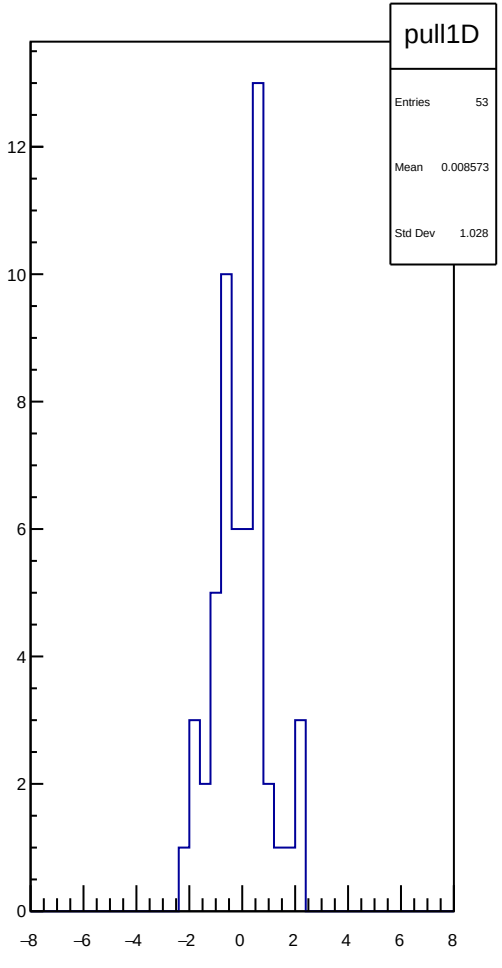

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 50.27 / 52
p0 1684 ± 1.683
1730
1720
1710
1700
1690
1680
1670
1660
1650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

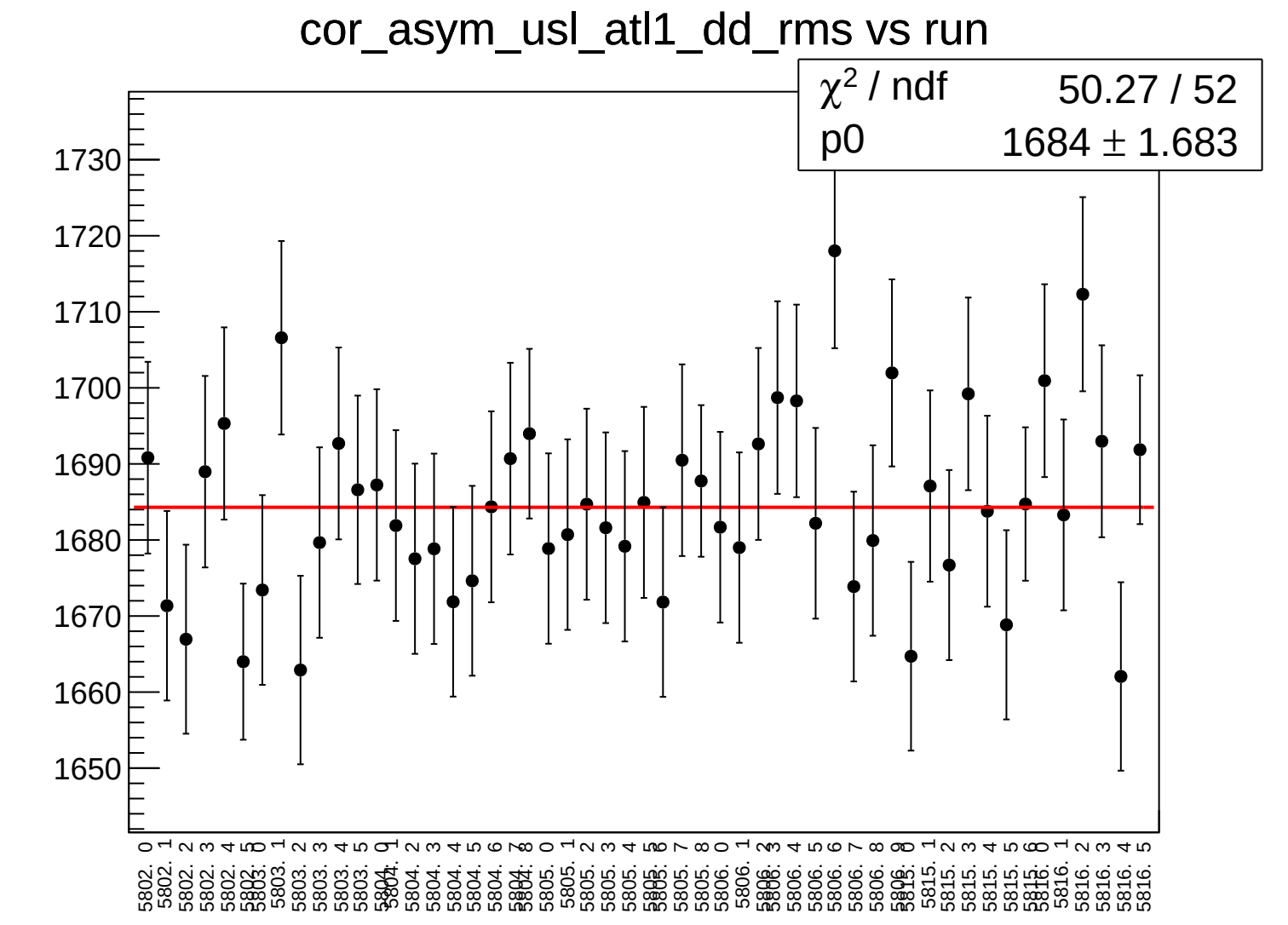

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 66.53 / 52
p0 320.1 ± 852.8
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −95.25
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02367
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 5540 / 52
p0 601.8 ± 0.603
750
700
650
600
550
500


cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.02 / 52
p0 1790 ± 2380
pull
Entries 53
Mean 62.08
Std Dev 23.97


pull1D
Entries 53
Mean 0.008573
Std Dev 1.028


cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 50.27 / 52
p0 1684 ± 1.683
1730
1720
1710
1700
1690
1680
1670
1660
1650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
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5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 4
5815. 5
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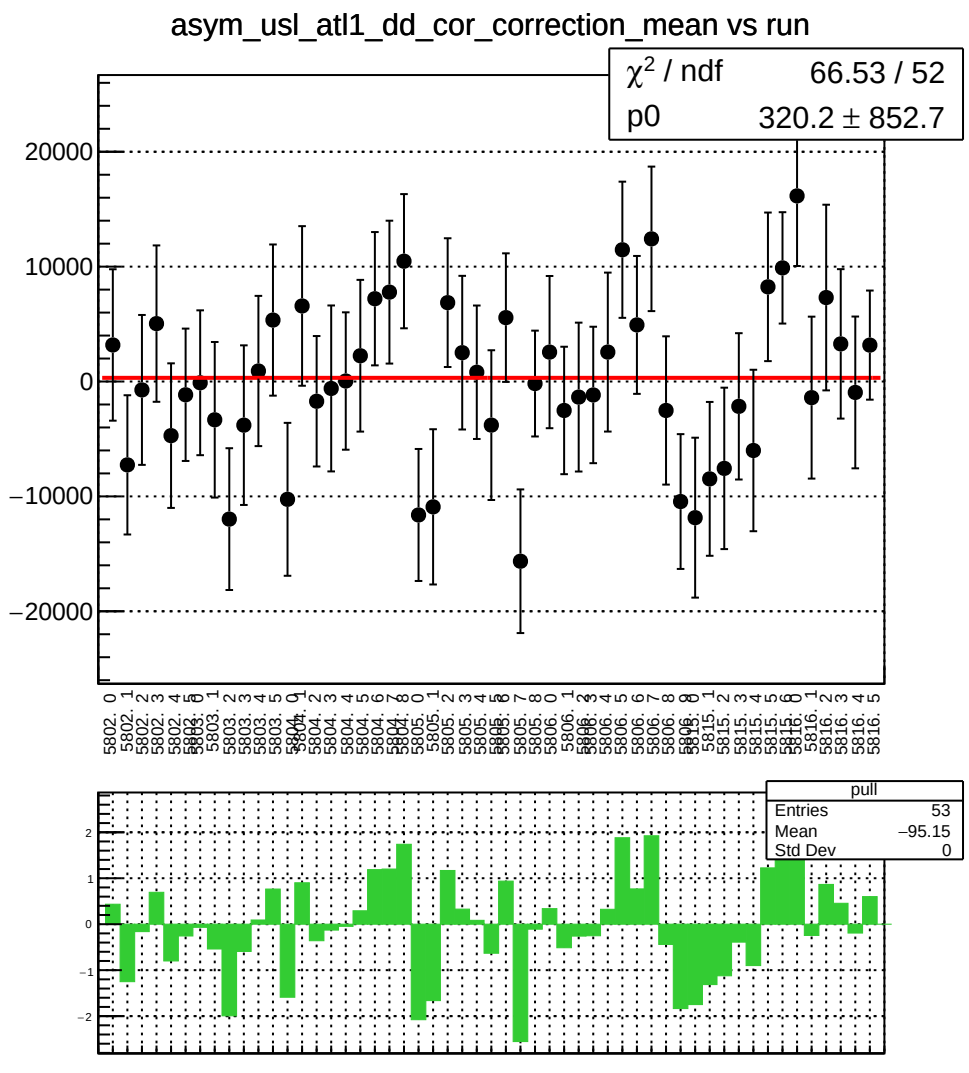
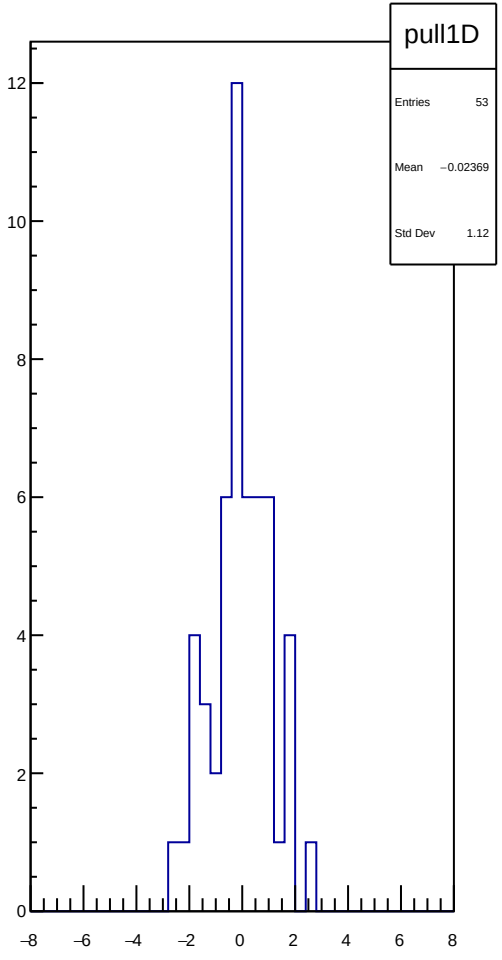
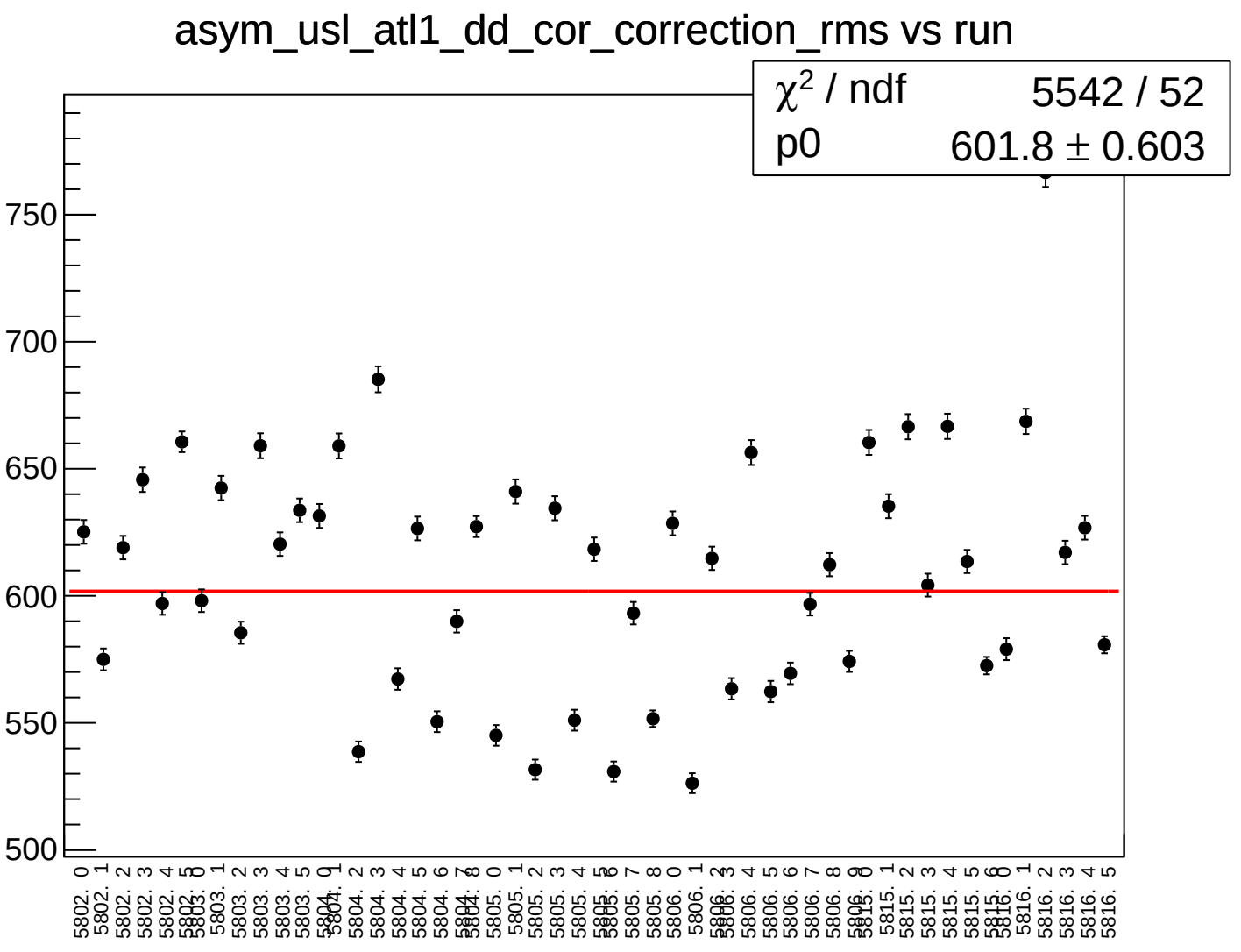
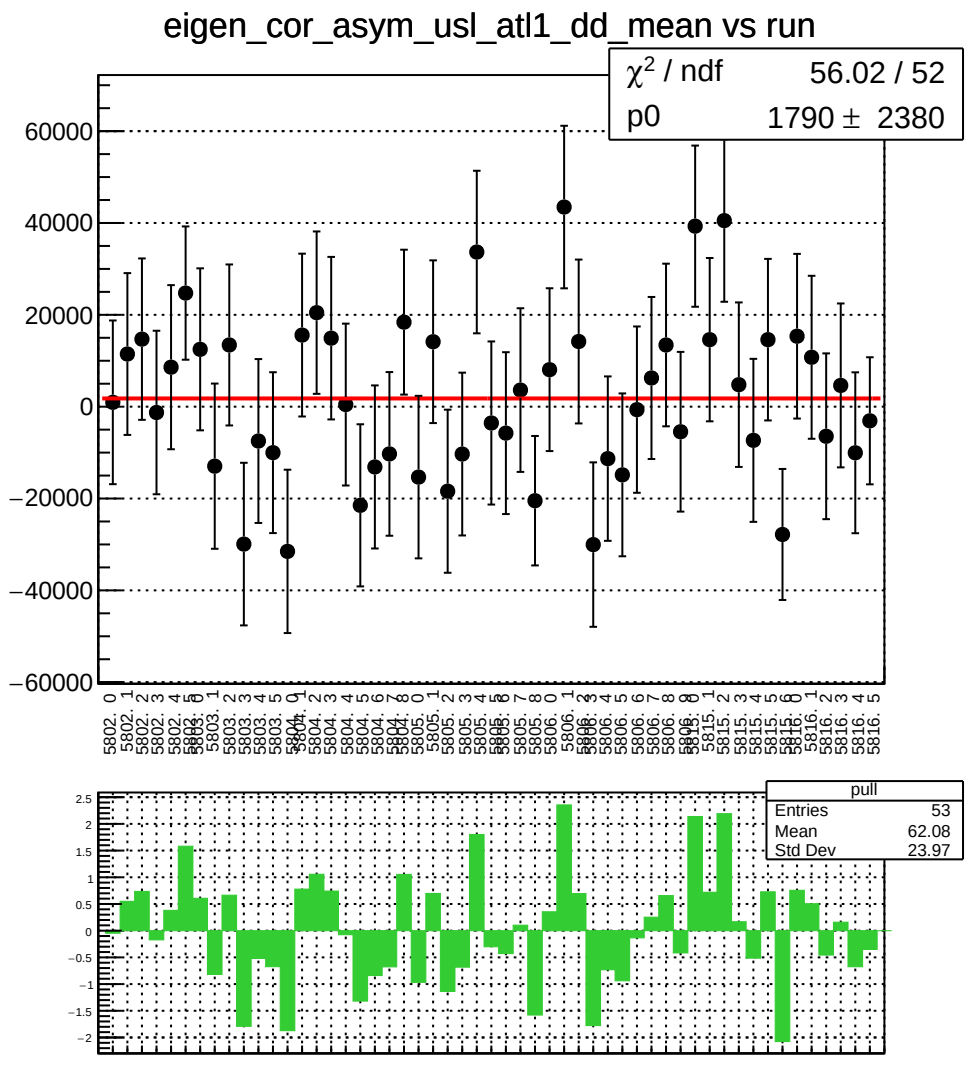
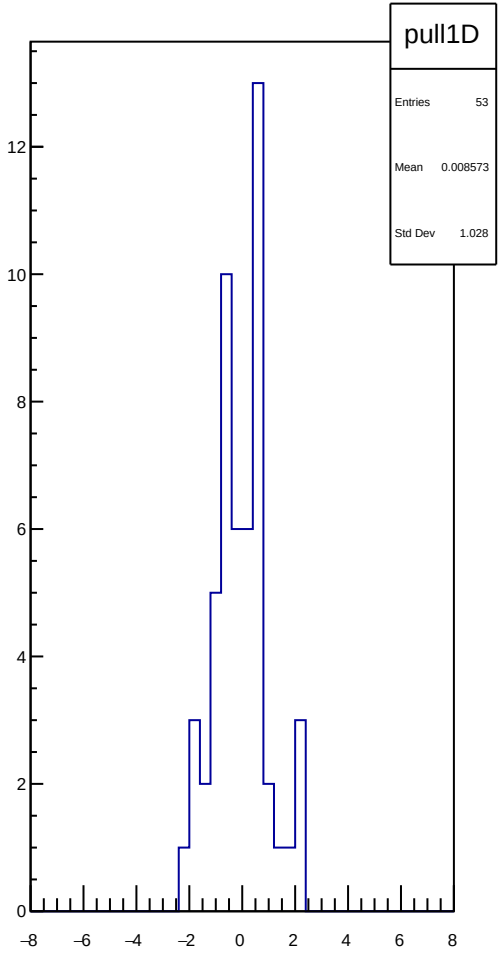
5816. 4
5816. 5

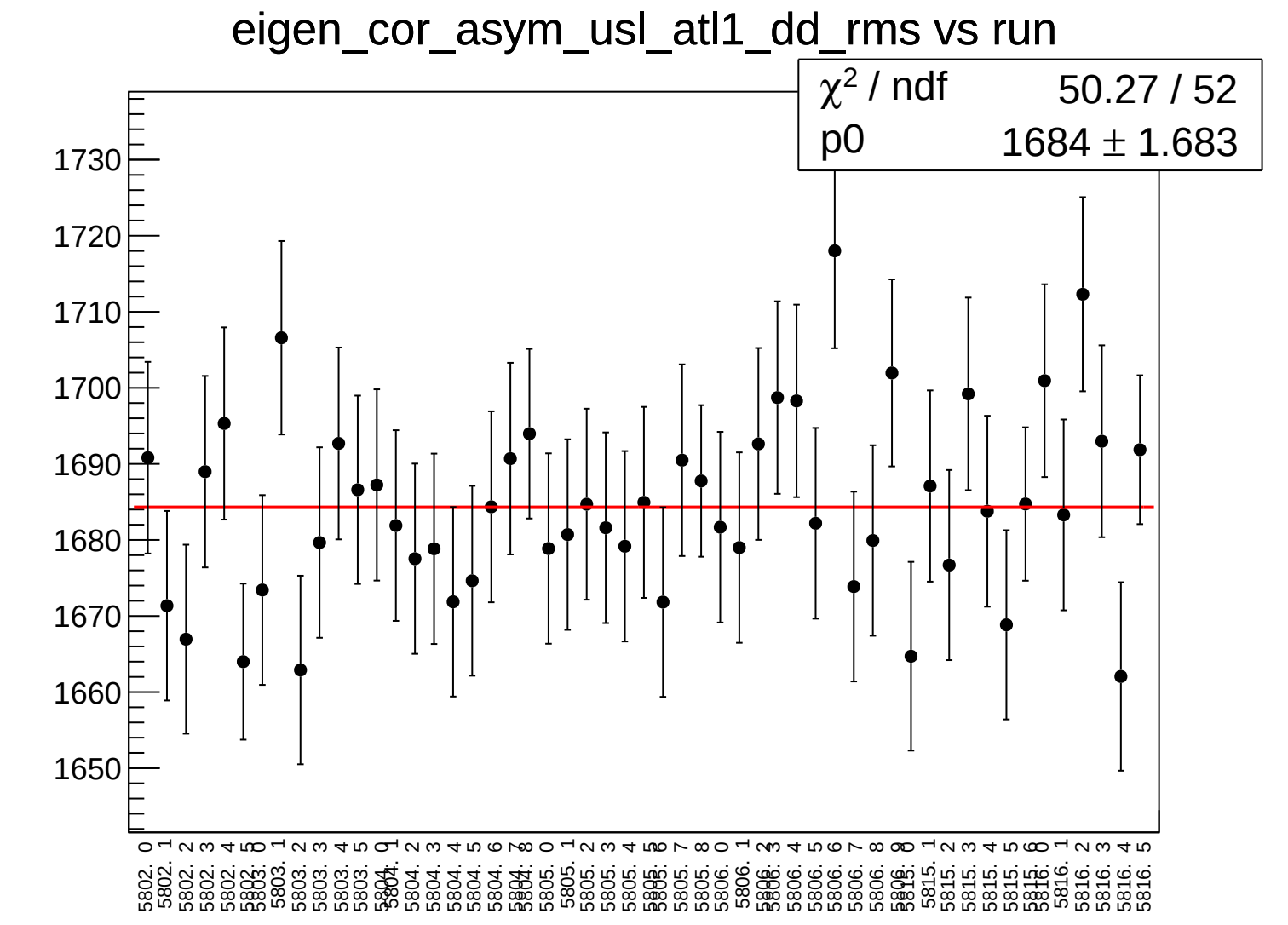

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 66.53 / 52
p0 320.2 ± 852.7
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −95.15
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02369
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 5542 / 52
p0 601.8 ± 0.603
750
700
650
600
550
500


eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 56.02 / 52
p0 1790 ± 2380
pull
Entries 53
Mean 62.08
Std Dev 23.97


pull1D
Entries 53
Mean 0.008573
Std Dev 1.028


eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 50.27 / 52
p0 1684 ± 1.683
1730
1720
1710
1700
1690
1680
1670
1660
1650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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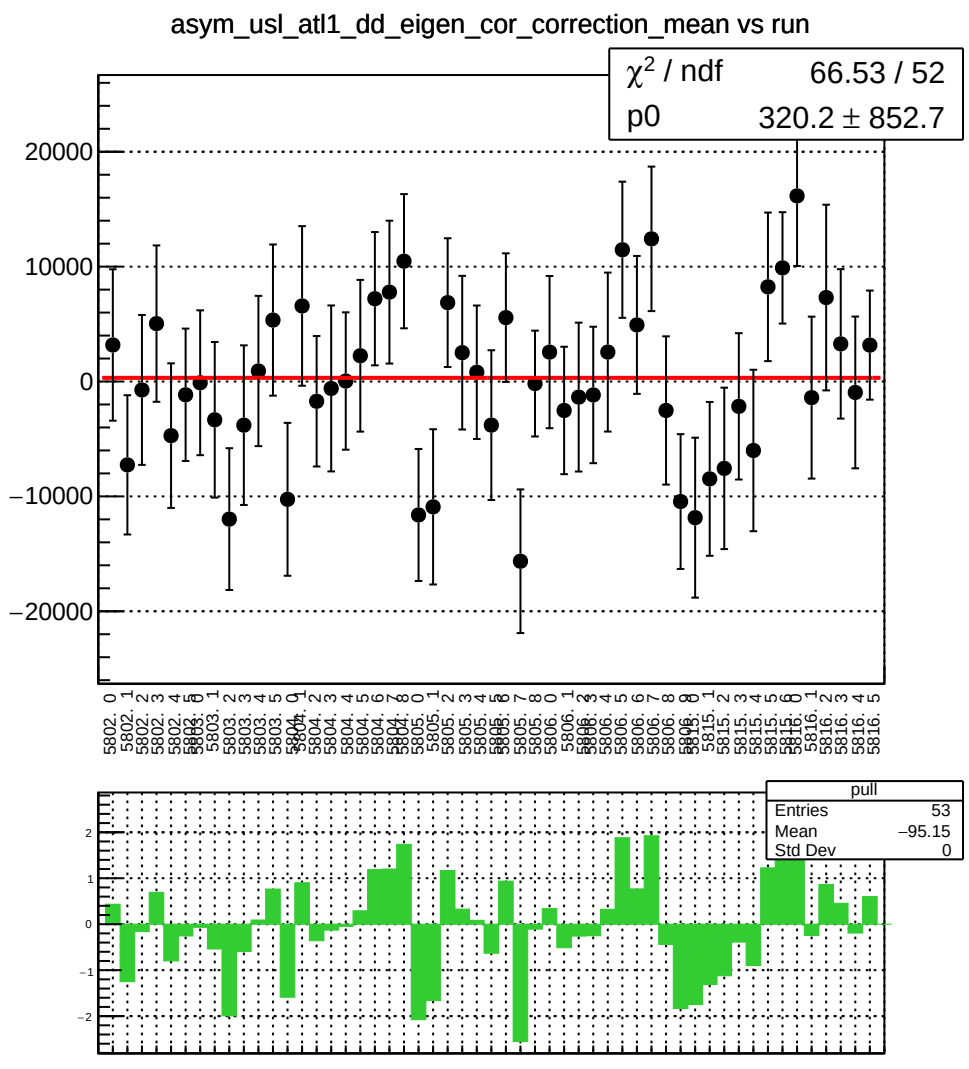
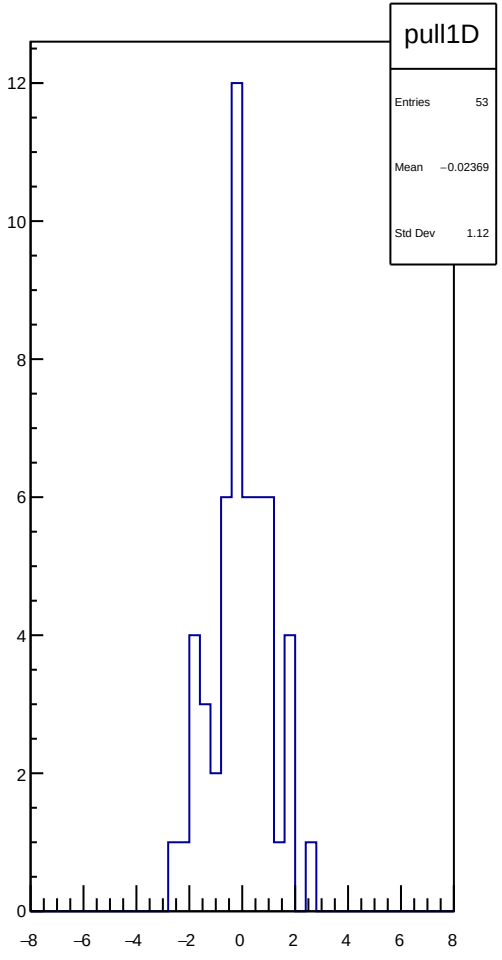
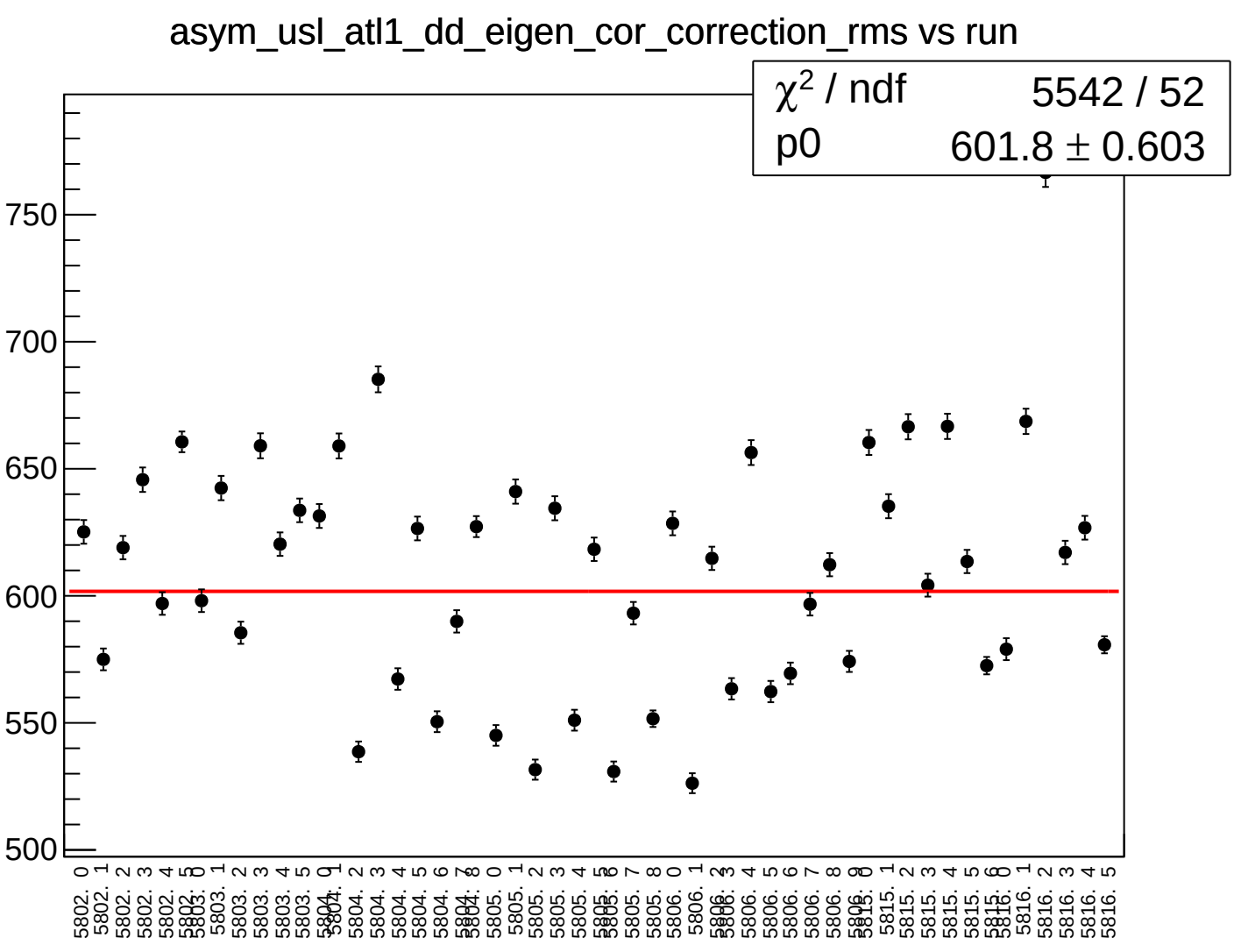
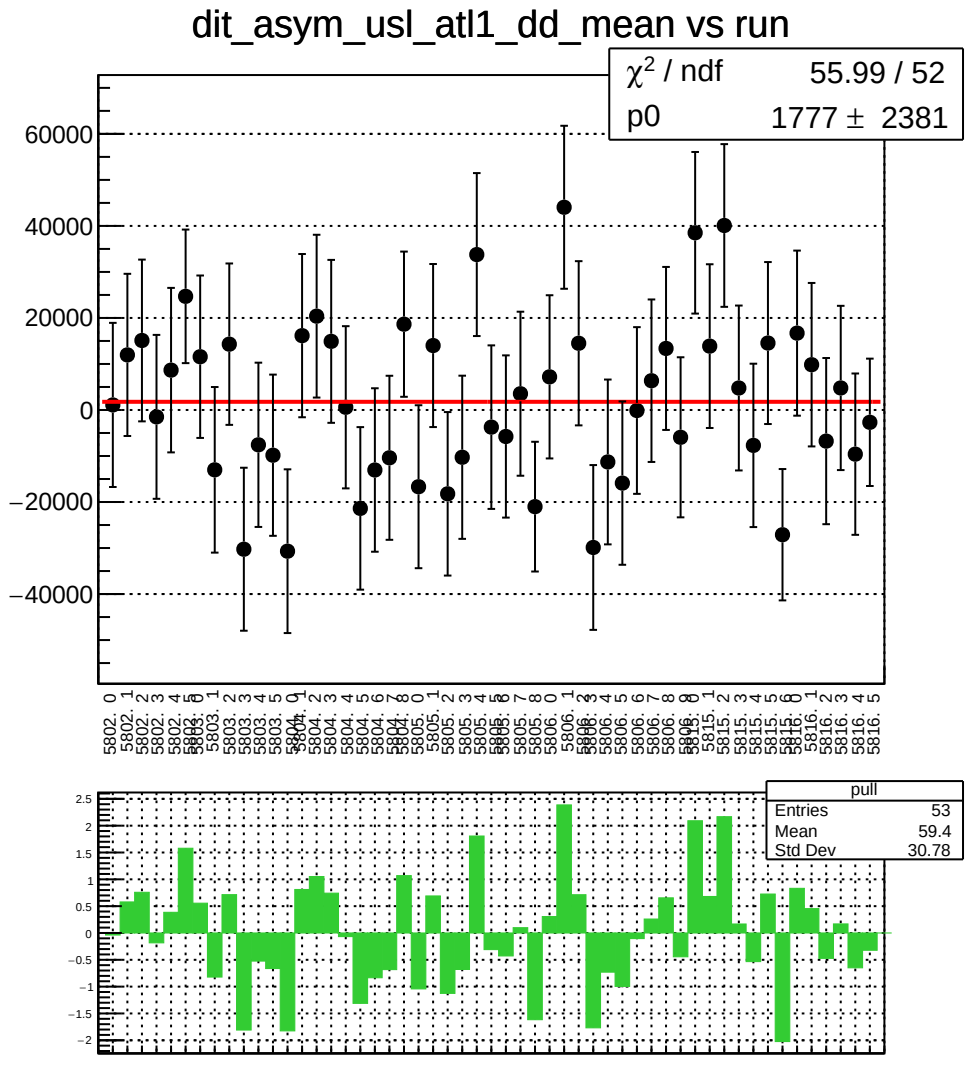
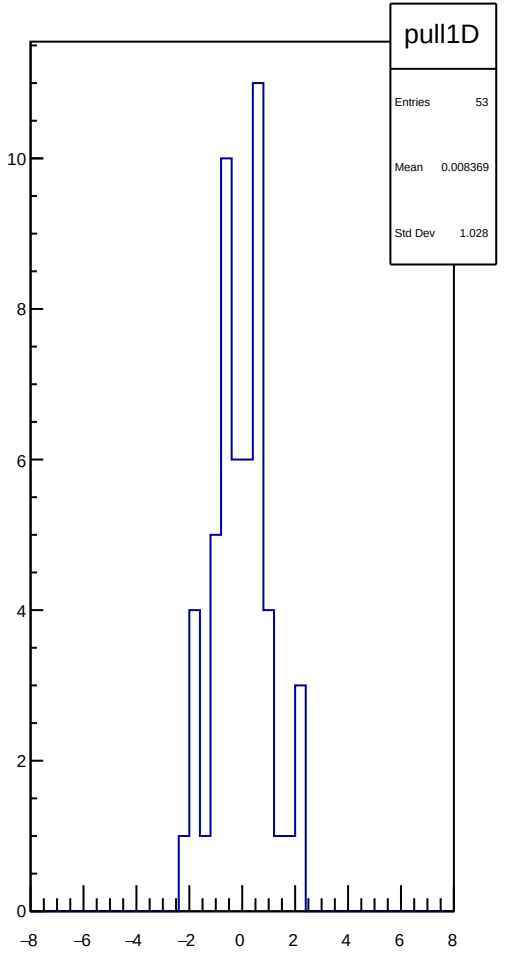
5816. 4
5816. 5

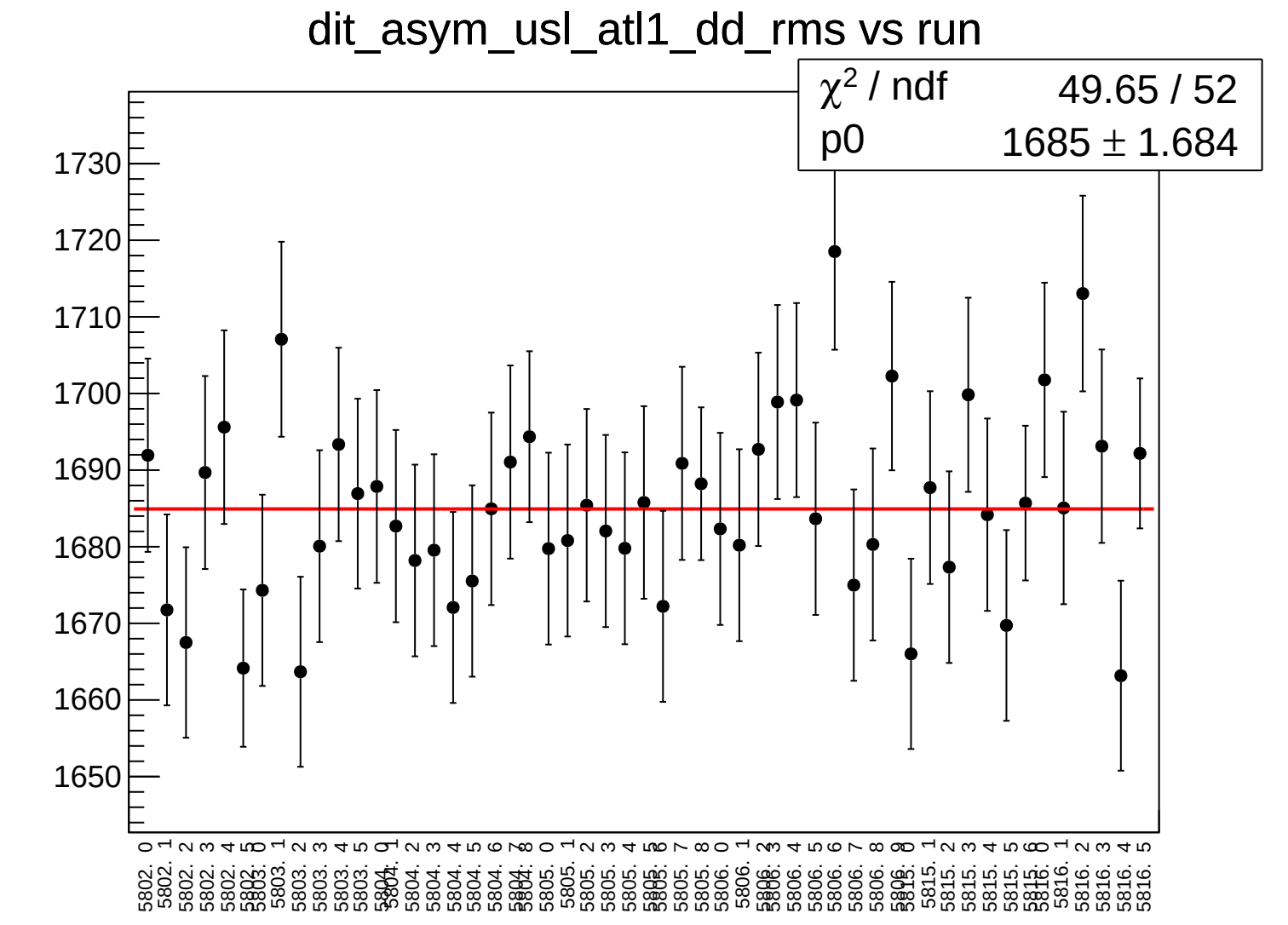

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.53 / 52
p0 320.2 ± 852.7
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −95.15
Std Dev 0
2
1
0
−1
−2

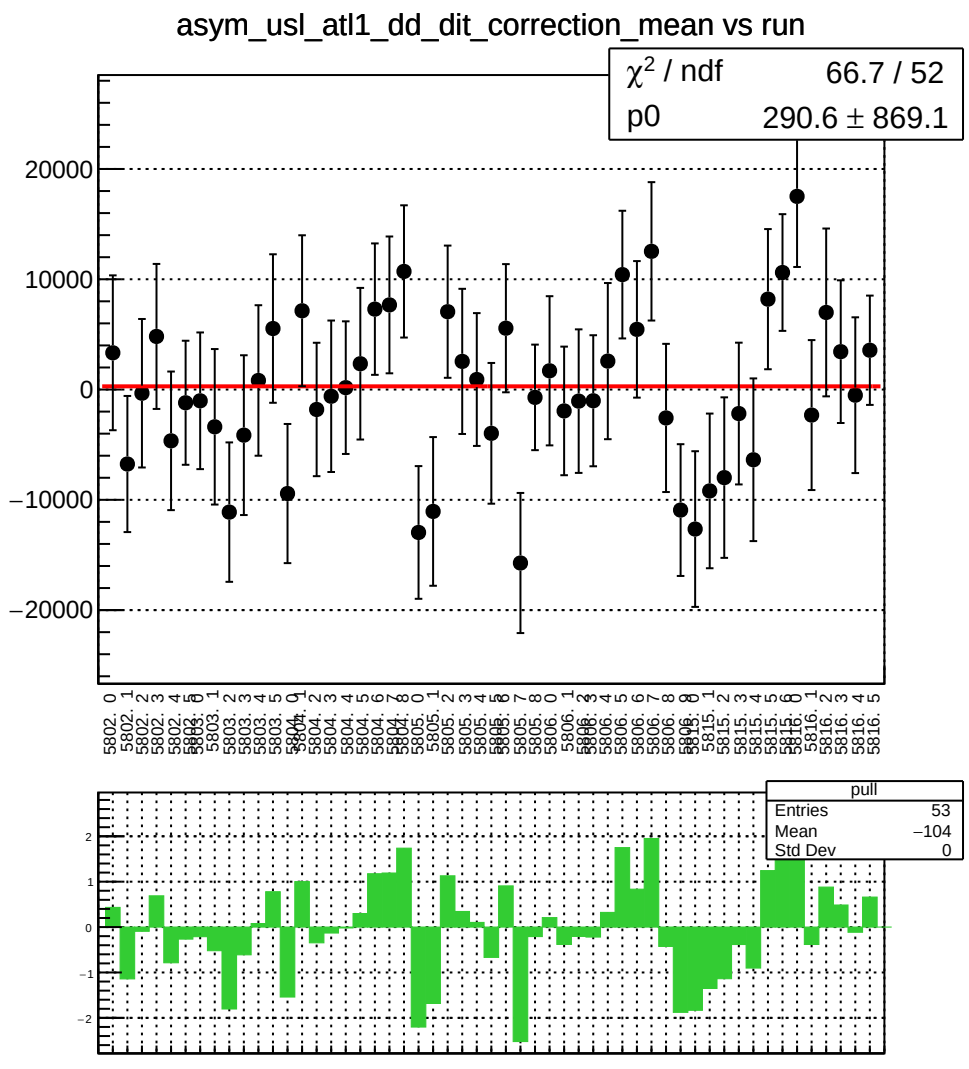

pull1D
Entries 53
Mean −0.02369
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

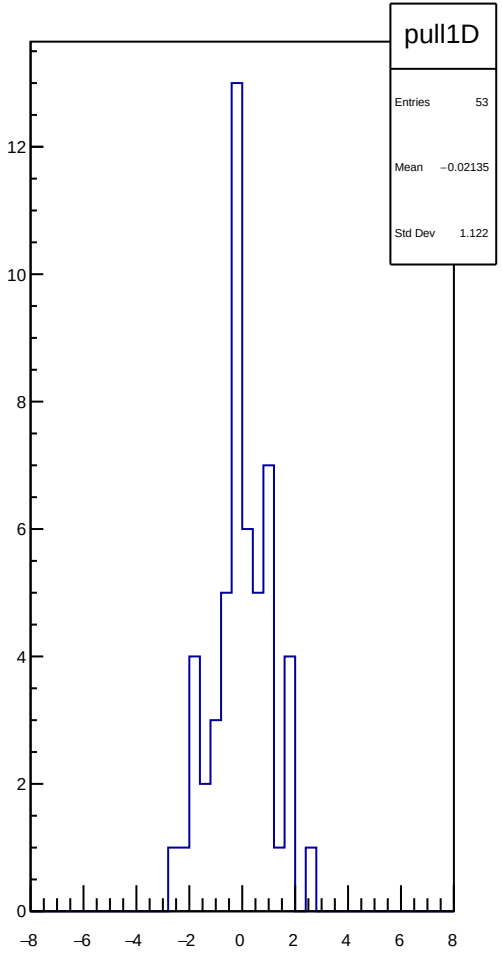

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5542 / 52
p0 601.8 ± 0.603
750
700
650
600
550
500

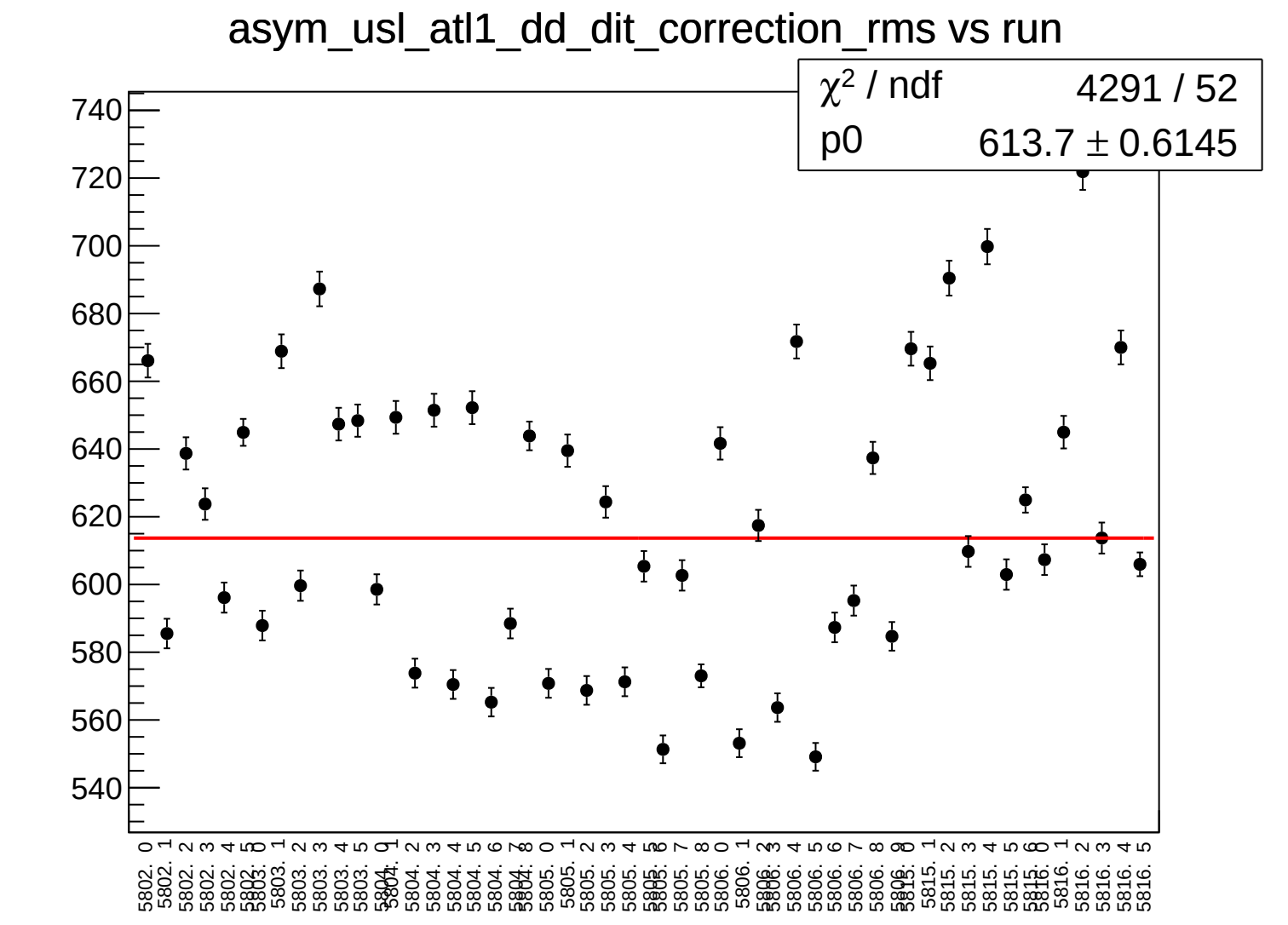

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 55.99 / 52
p0 1777 ± 2381
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 59.4
Std Dev 30.78
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

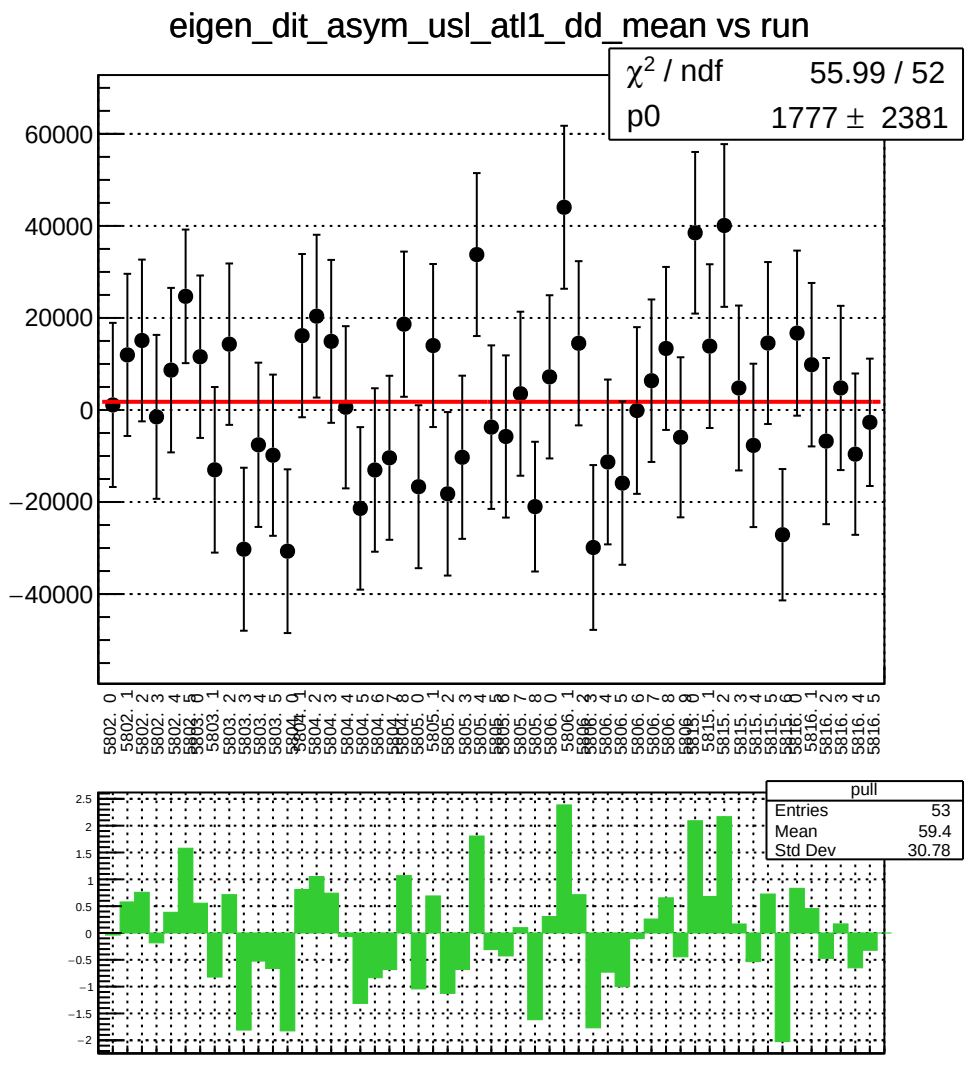

pull1D
Entries 53
Mean 0.008369
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

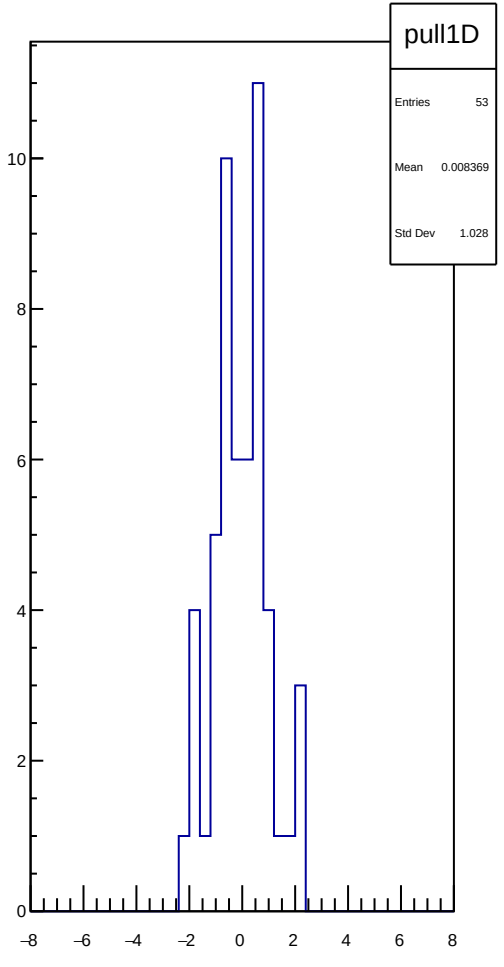

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 49.65 / 52
p0 1685 ± 1.684
1730
1720
1710
1700
1690
1680
1670
1660
1650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

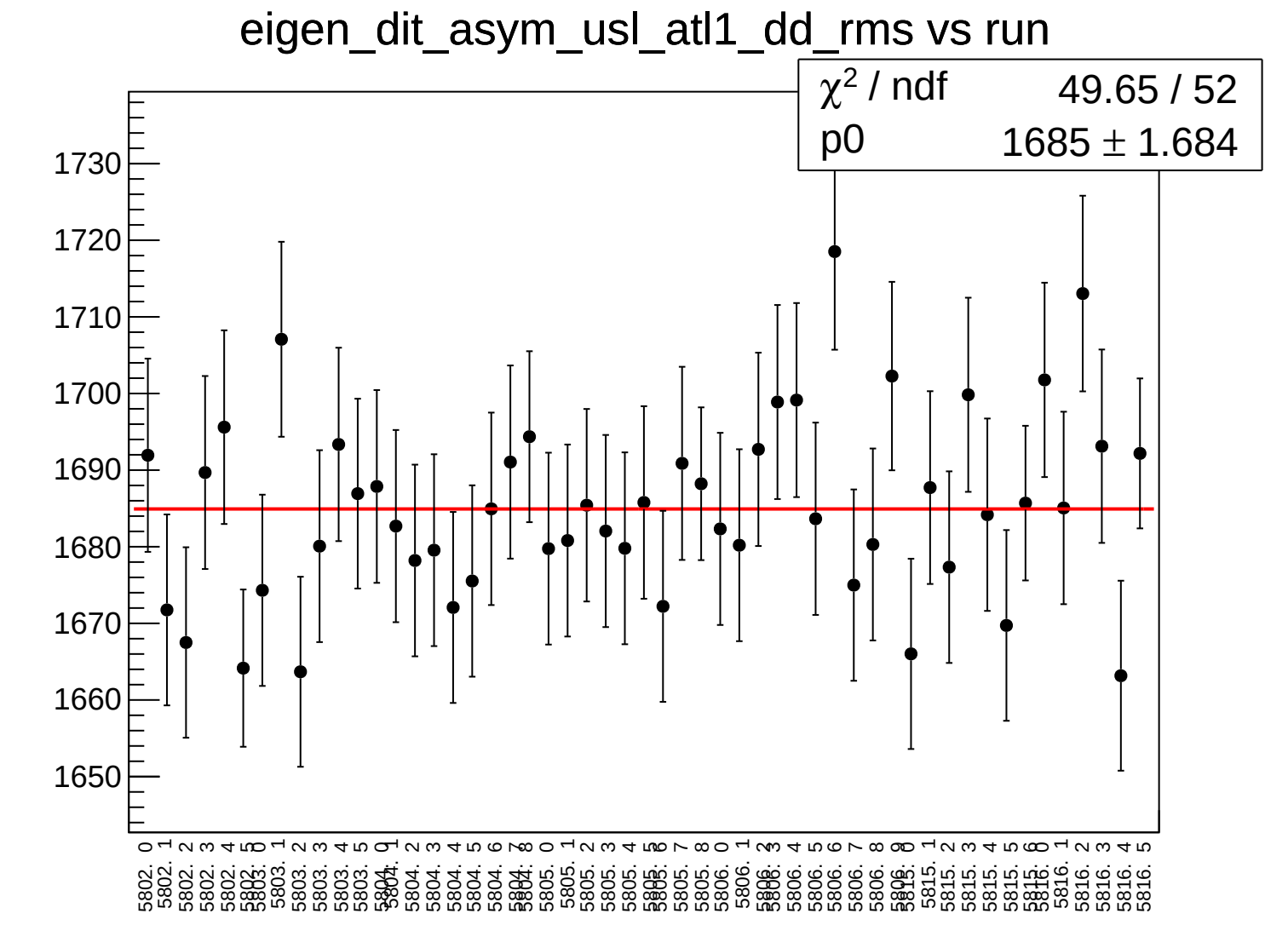

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 66.7 / 52
p0 290.6 ± 869.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −104
Std Dev 0
2
1
0
−1
−2

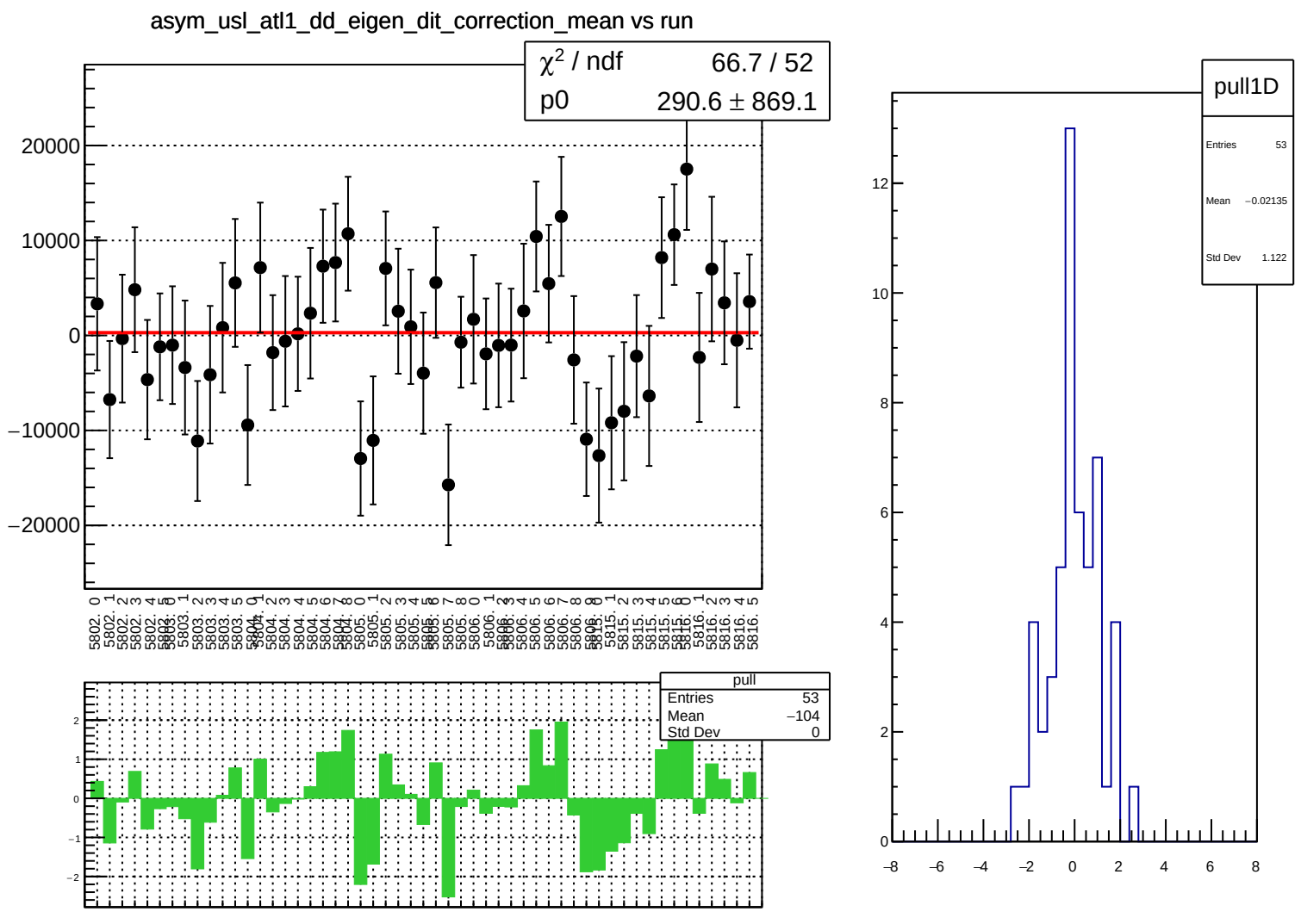

pull1D
Entries 53
Mean −0.02135
Std Dev 1.122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

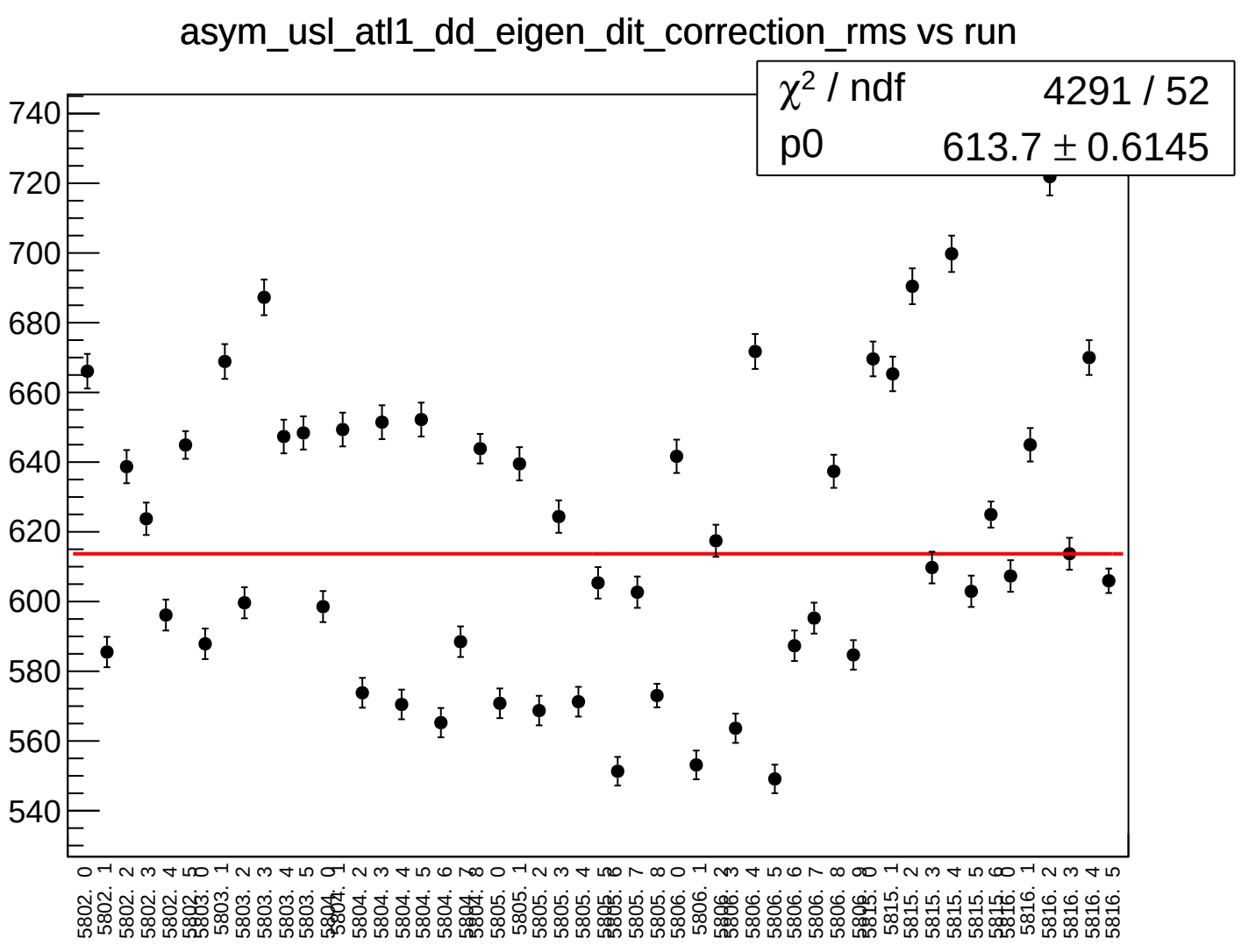

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 4291 / 52
p0 613.7 ± 0.6145
740
720
700
680
660
640
620
600
580
560
540

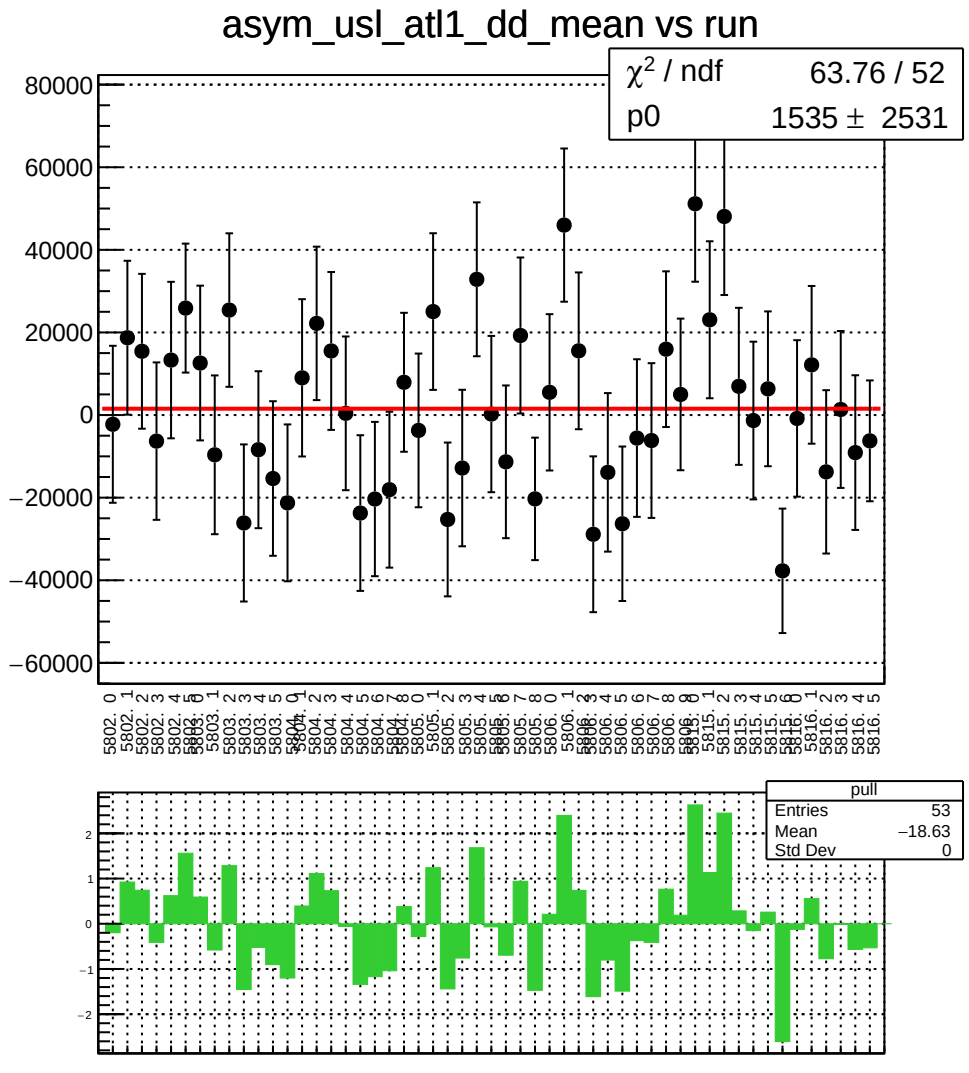

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 55.99 / 52
p0 1777 ± 2381
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 59.4
Std Dev 30.78
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

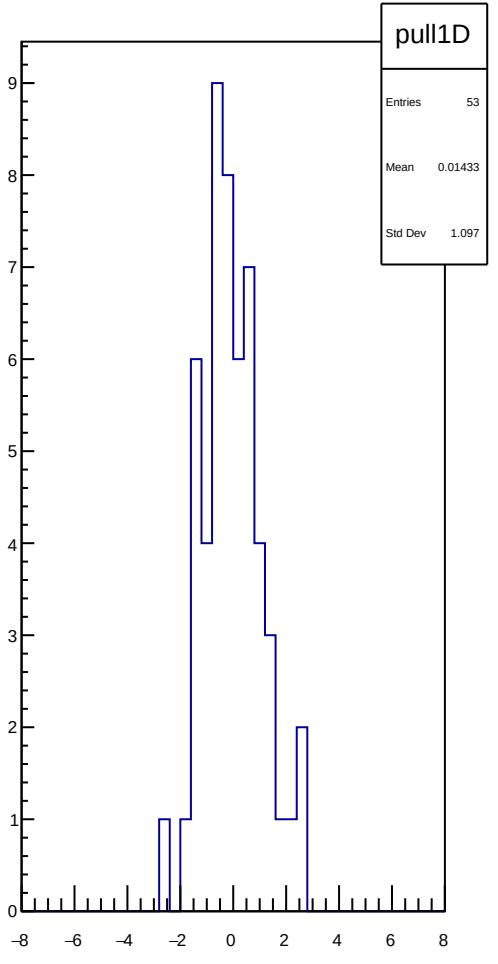

pull1D
Entries 53
Mean 0.008369
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

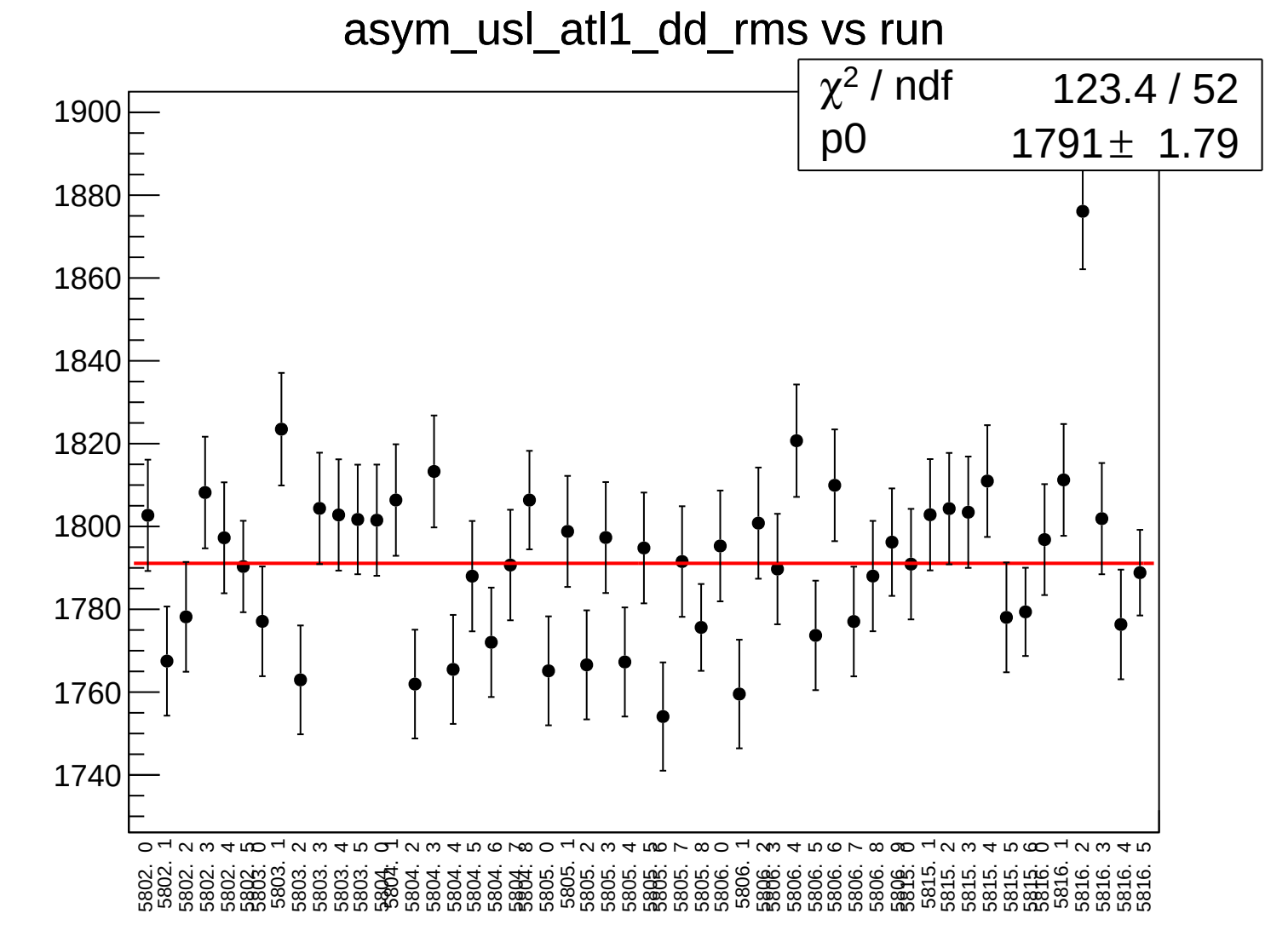

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 49.65 / 52
p0 1685 ± 1.684
1730
1720
1710
1700
1690
1680
1670
1660
1650
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

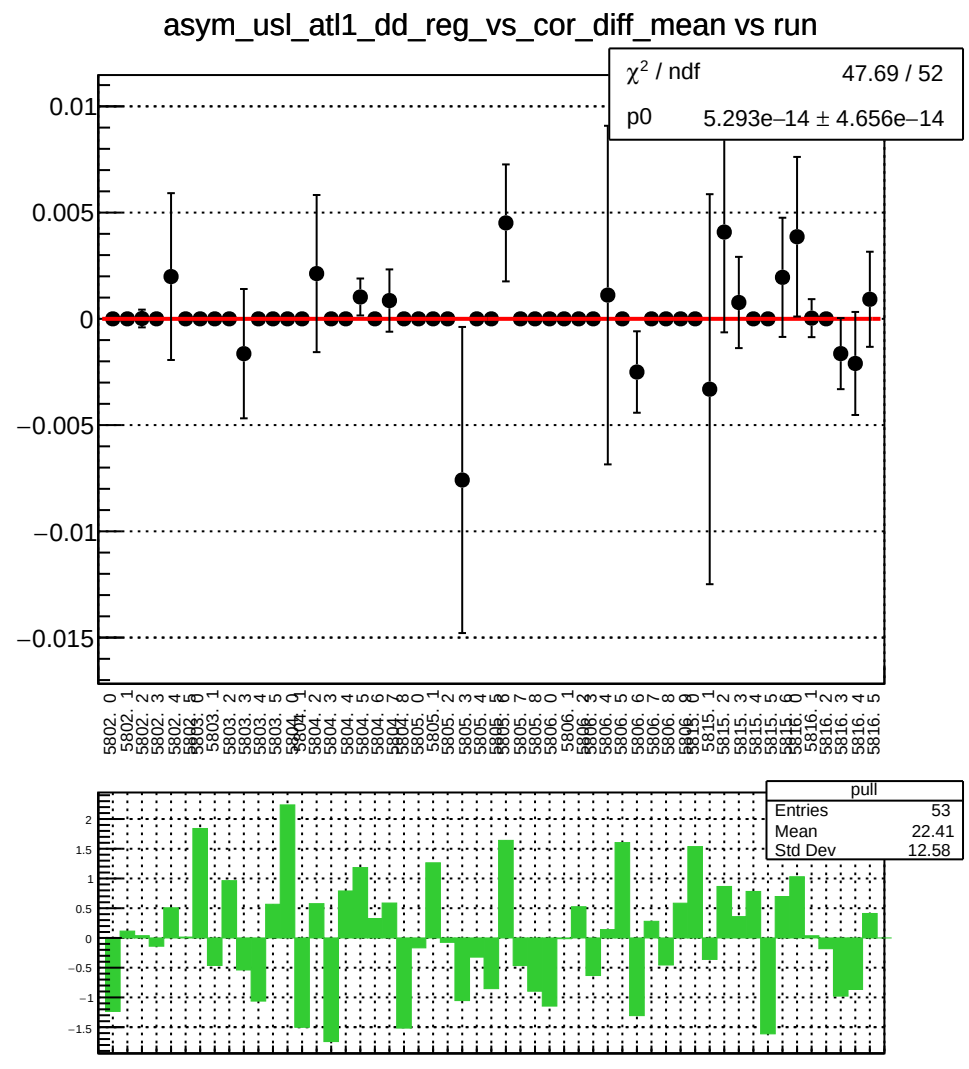

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.7 / 52
p0 290.6 ± 869.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −104
Std Dev 0
pull1D
Entries 53
Mean −0.02135
Std Dev 1.122

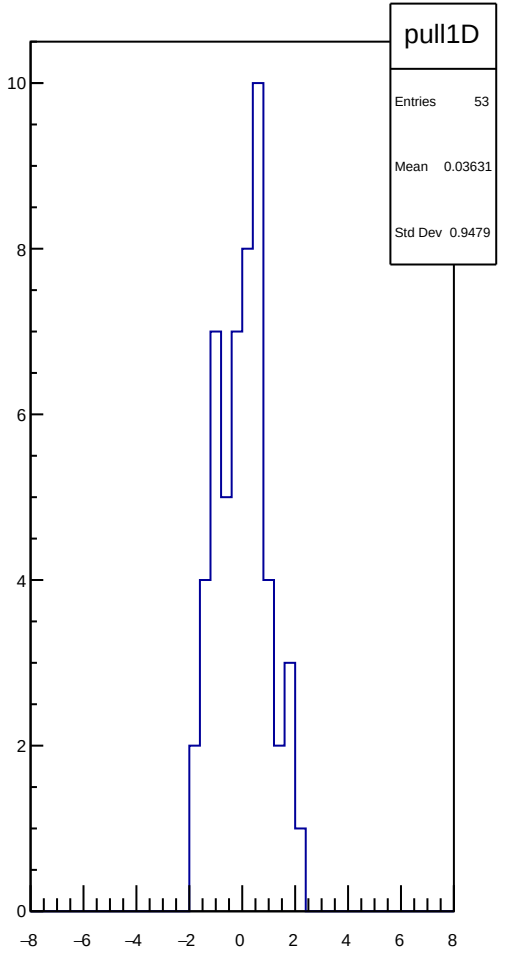

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4291 / 52
p0 613.7 ± 0.6145
740
720
700
680
660
640
620
600
580
560
540

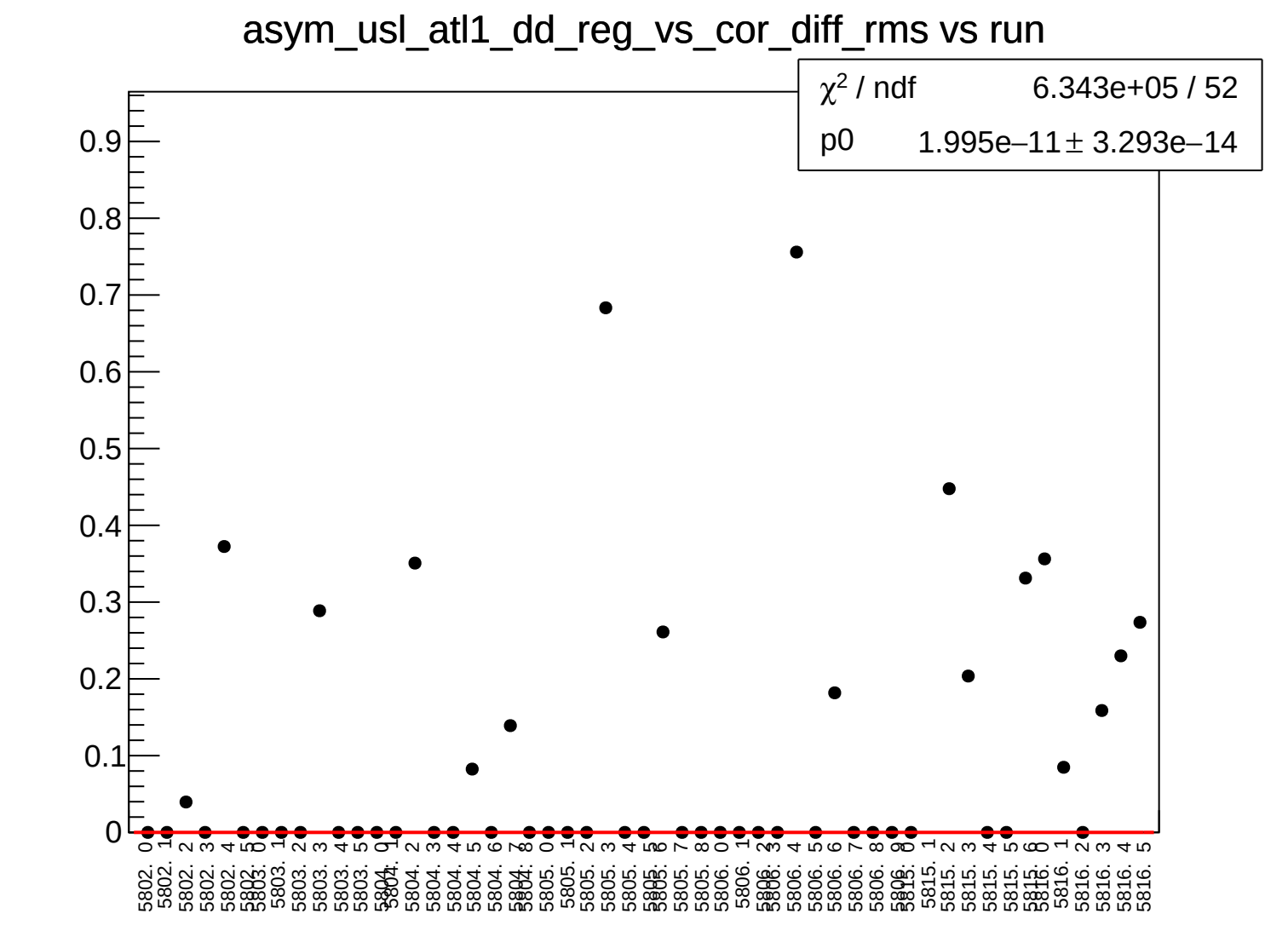

asym_usl_atl1_dd_mean vs run
χ² / ndf 63.76 / 52
p0 1535 ± 2531
pull
Entries 53
Mean −18.63
Std Dev 0

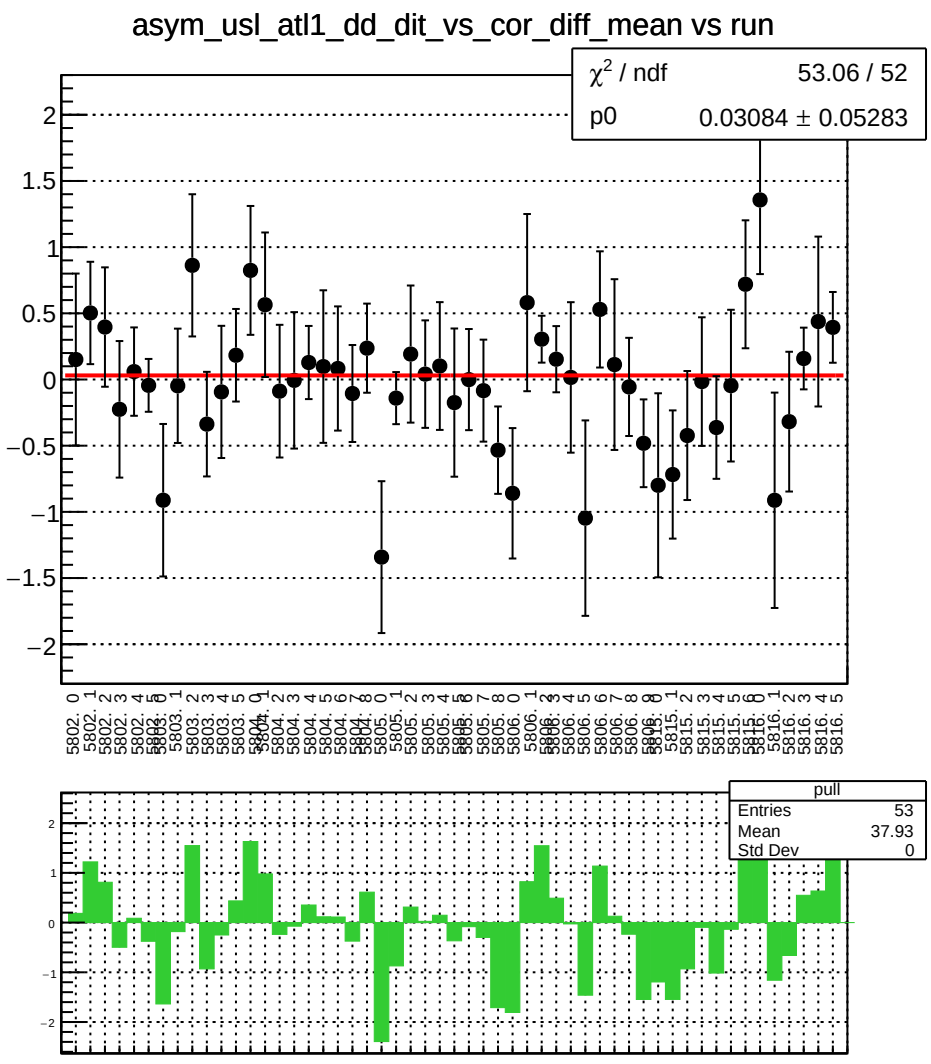

pull1D
Entries 53
Mean 0.01433
Std Dev 1.097

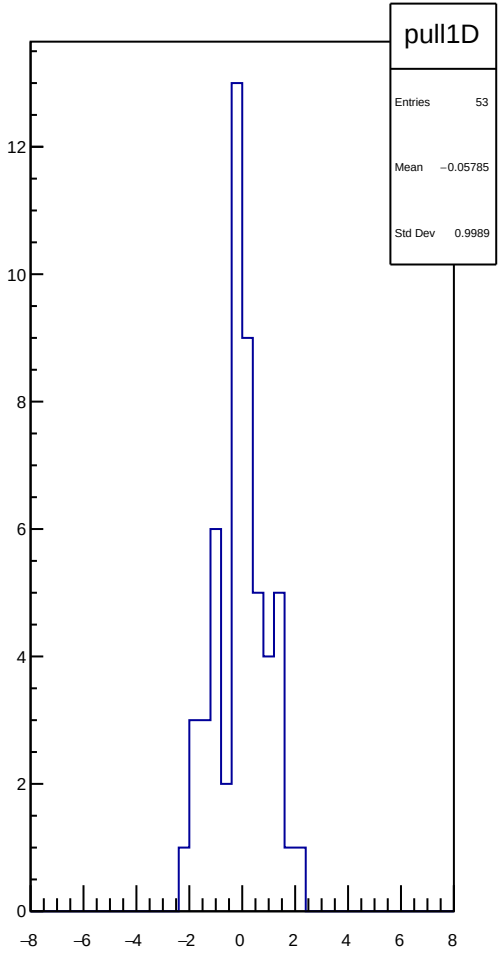

asym_usl_atl1_dd_rms vs run
χ² / ndf 123.4 / 52
p0 1791 ± 1.79
1900
1880
1860
1840
1820
1800
1780
1760
1740

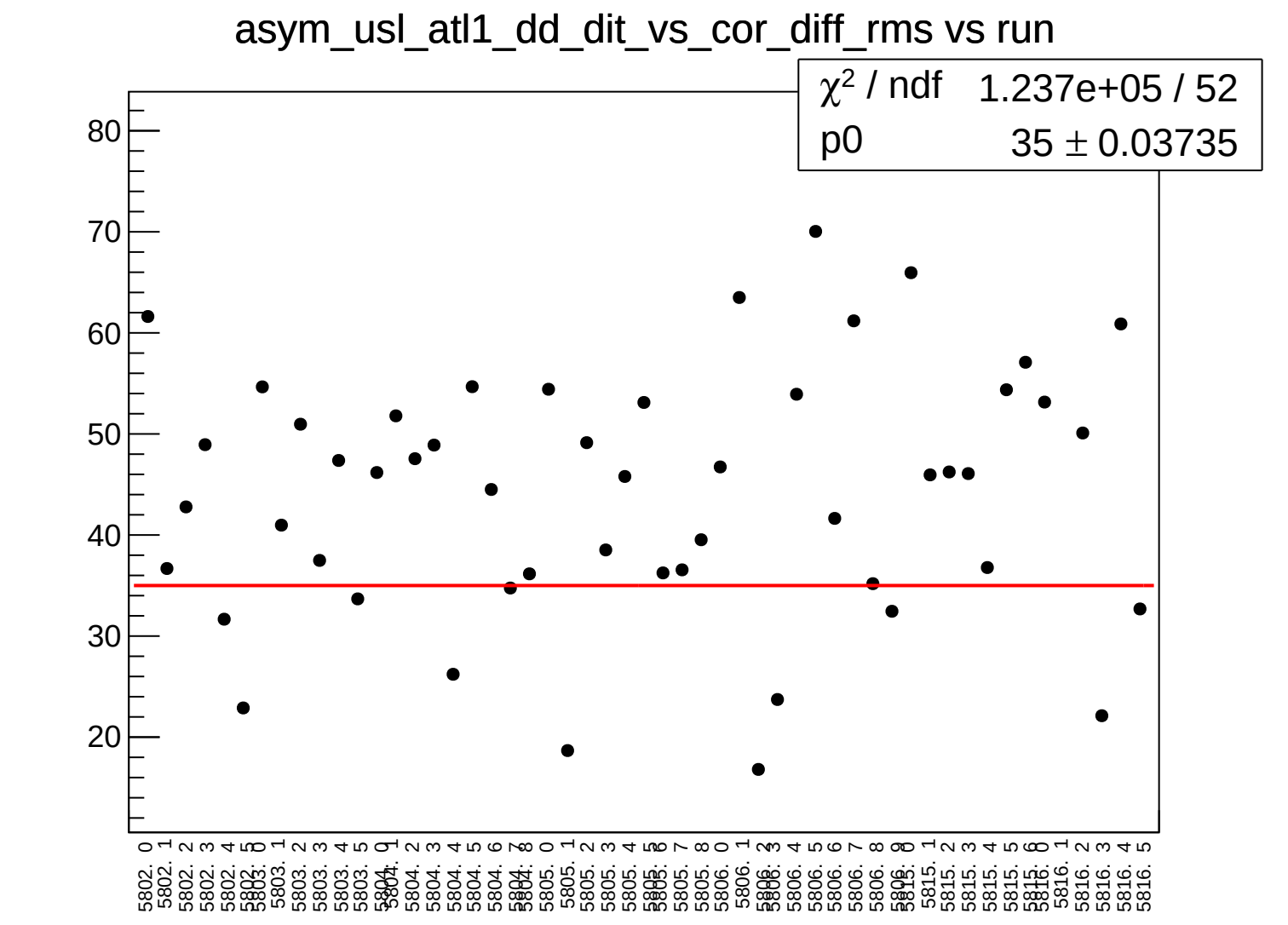

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.69 / 52
p0 5.293e−14 ± 4.656e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 22.41
Std Dev 12.58
2
1.5
1
0.5
0
−0.5
−1
−1.5

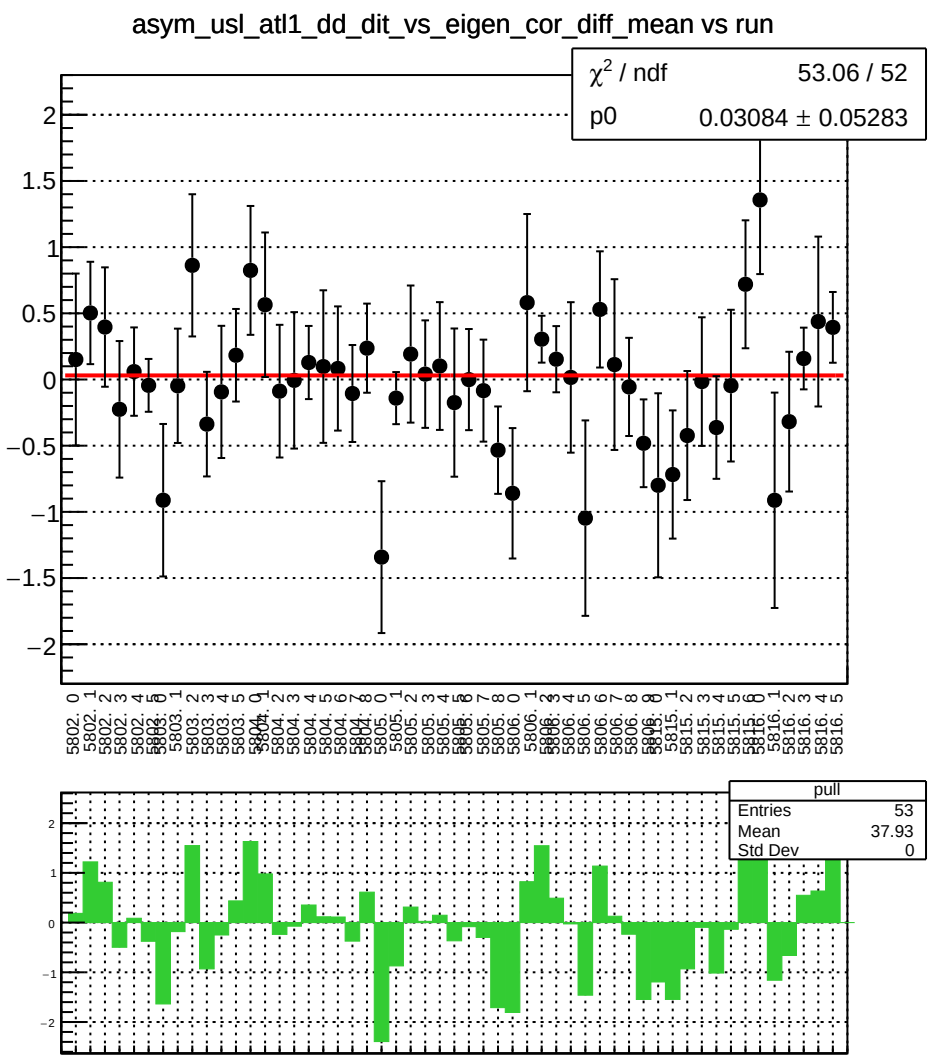

pull1D
Entries 53
Mean 0.03631
Std Dev 0.9479
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

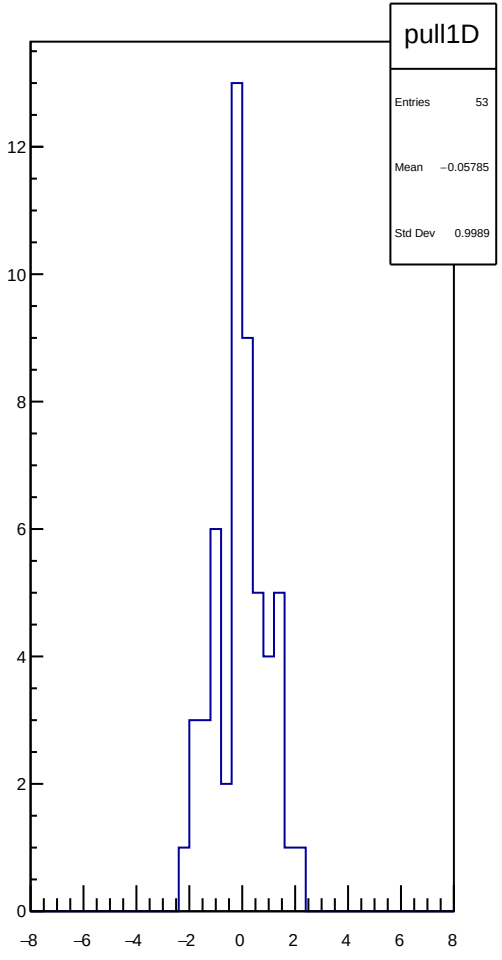

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.343e+05 / 52
p0 1.995e−11 ± 3.293e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

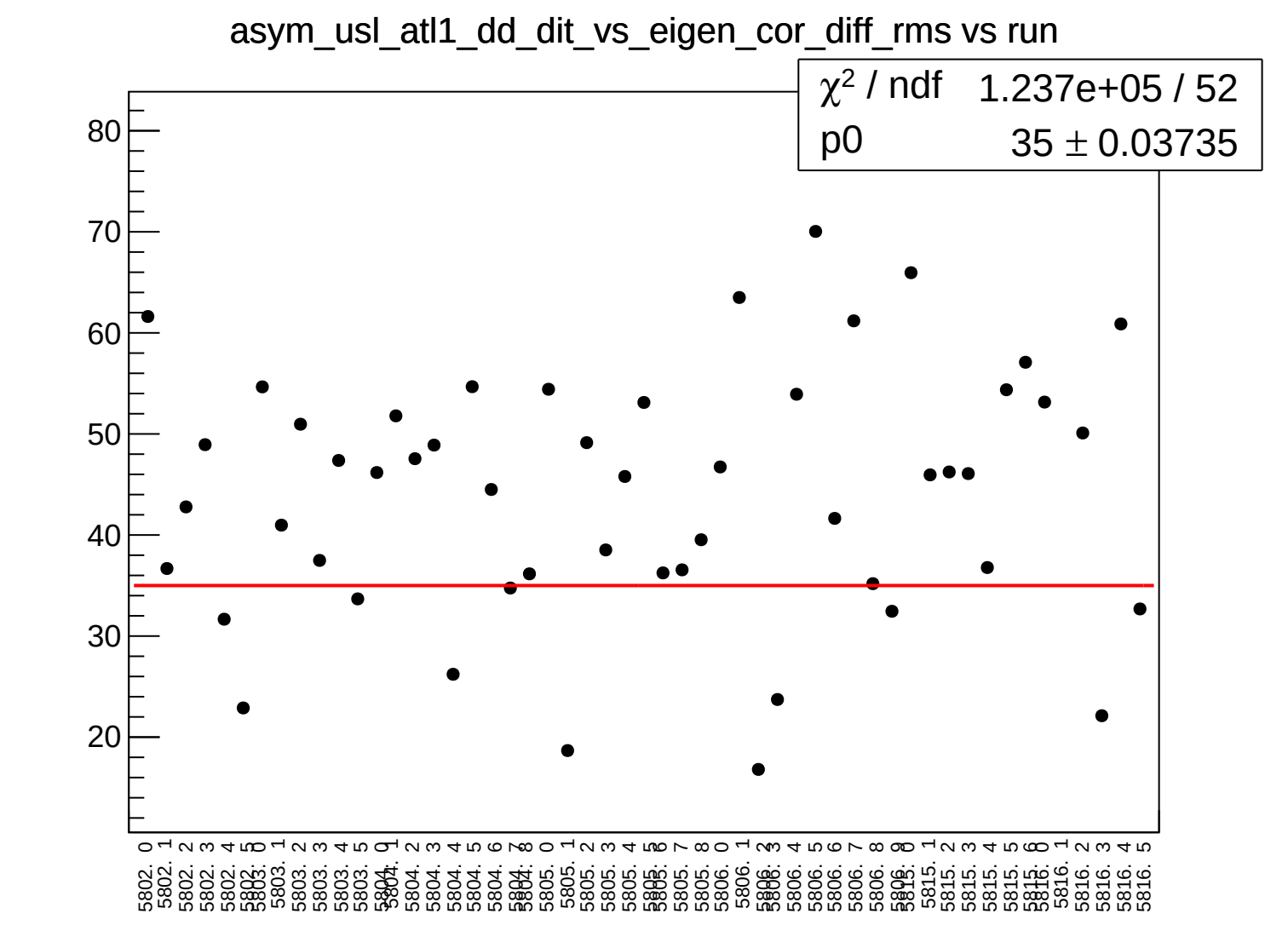

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.06 / 52
p0 0.03084 ± 0.05283
pull
Entries 53
Mean 37.93
Std Dev 0

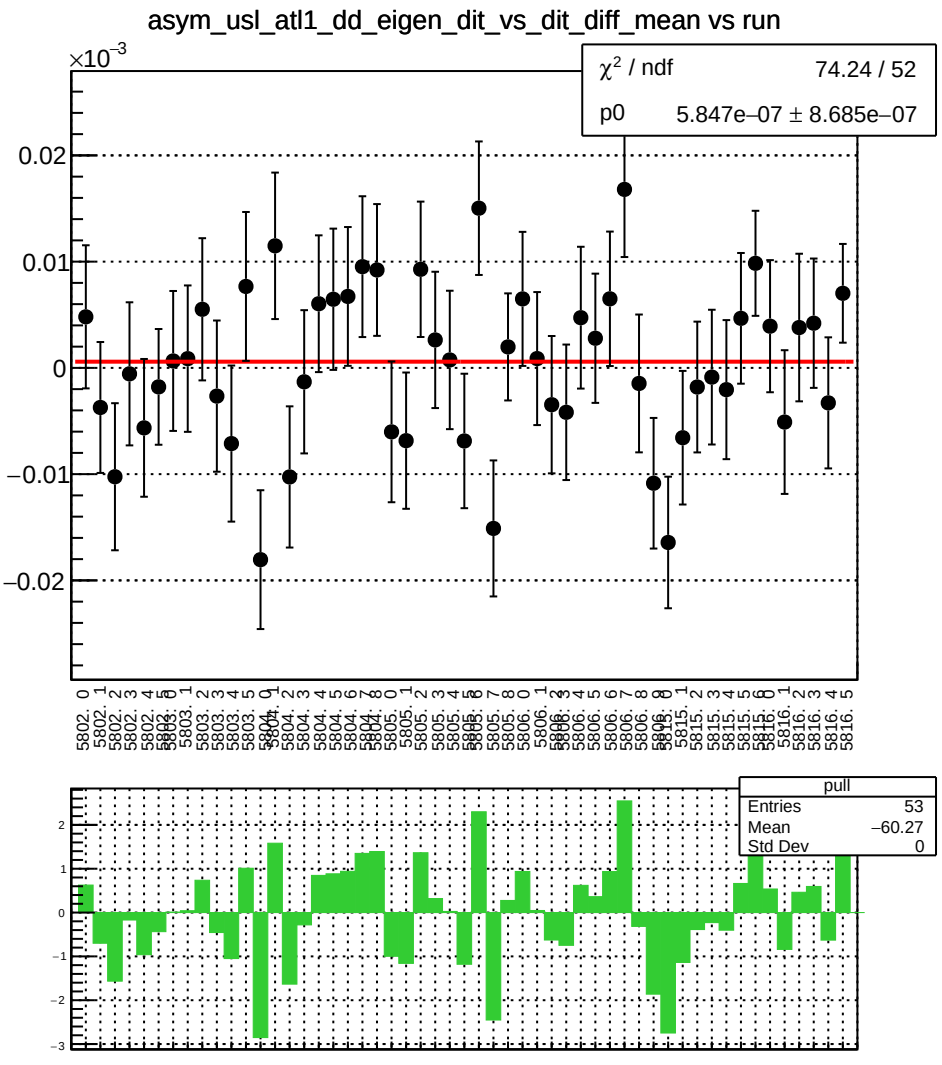

pull1D
Entries 53
Mean −0.05785
Std Dev 0.9989

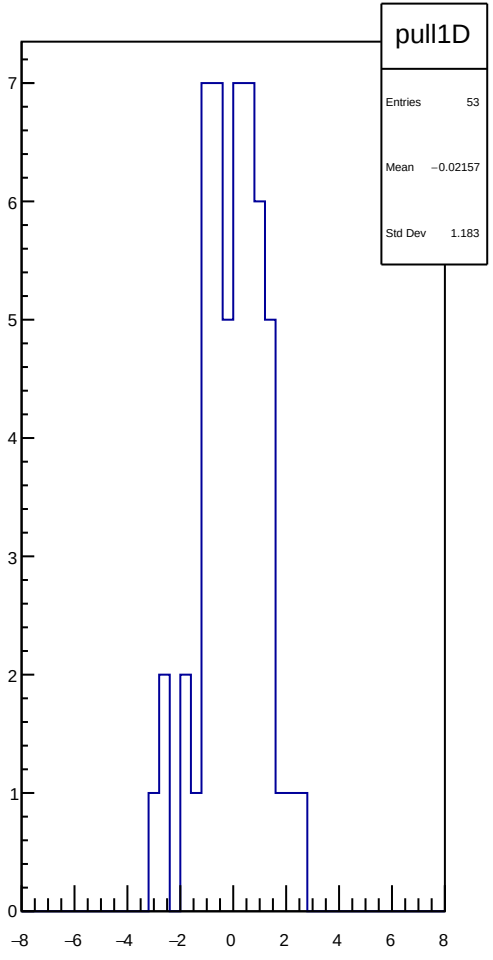

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.237e+05 / 52
p0 35 ± 0.03735
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

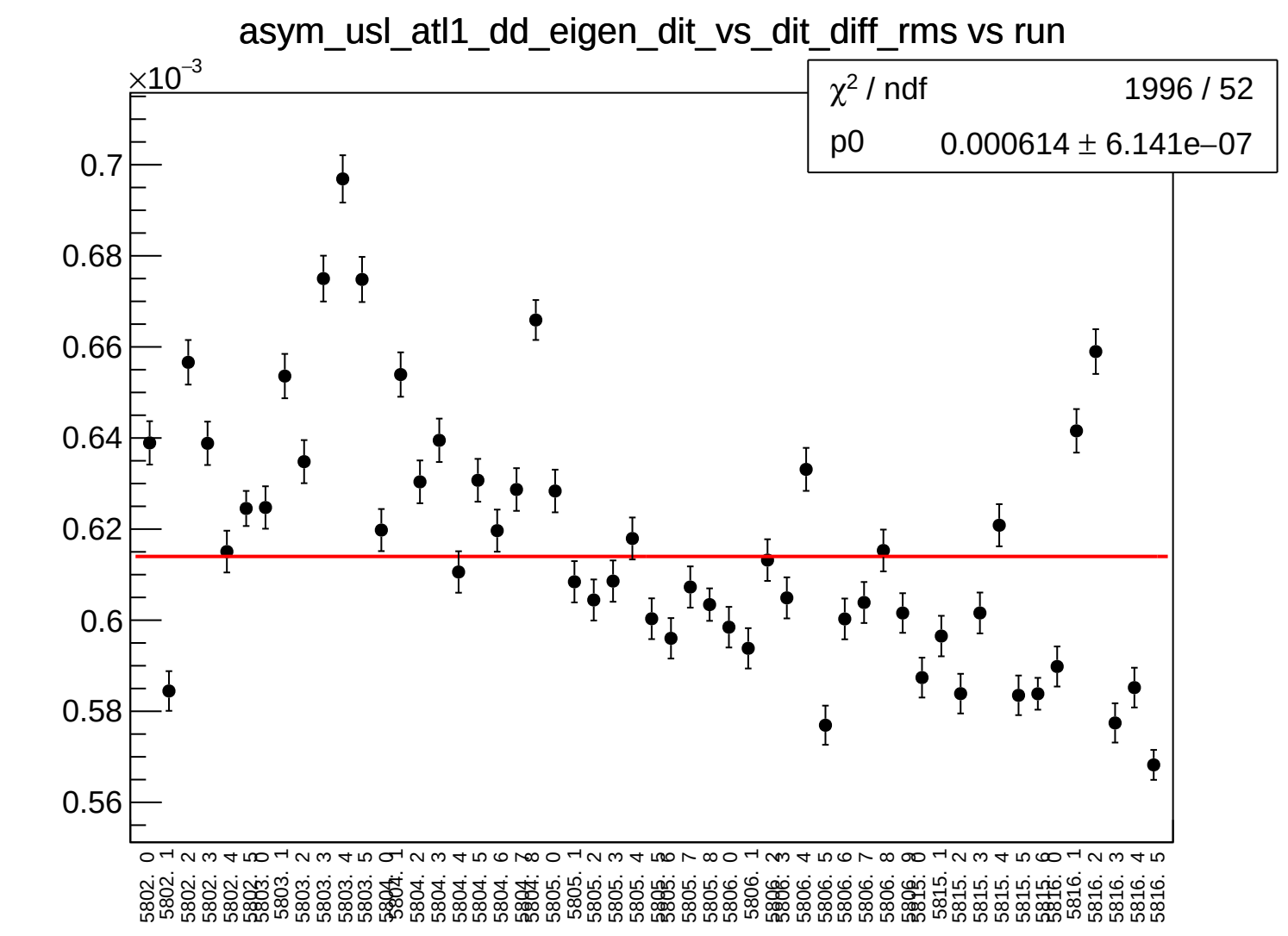

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.06 / 52
p0 0.03084 ± 0.05283
pull
Entries 53
Mean 37.93
Std Dev 0

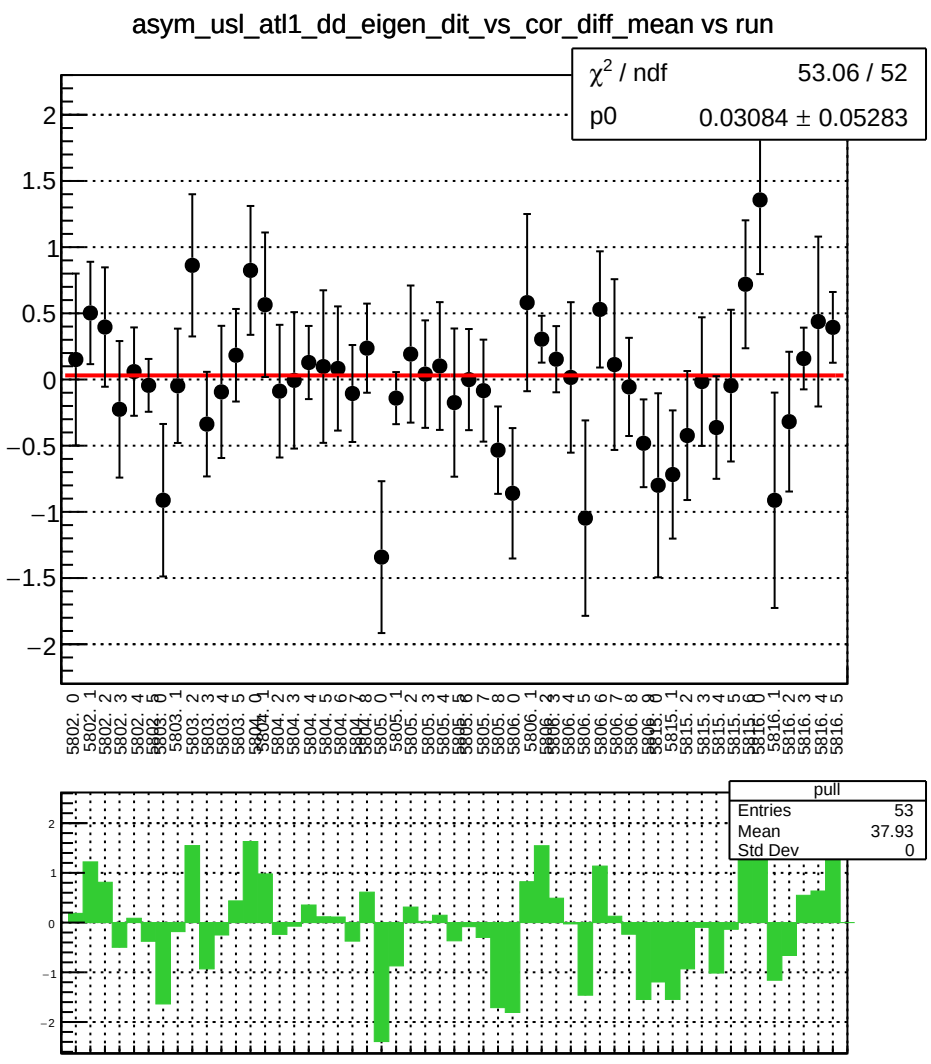

pull1D
Entries 53
Mean −0.05785
Std Dev 0.9989

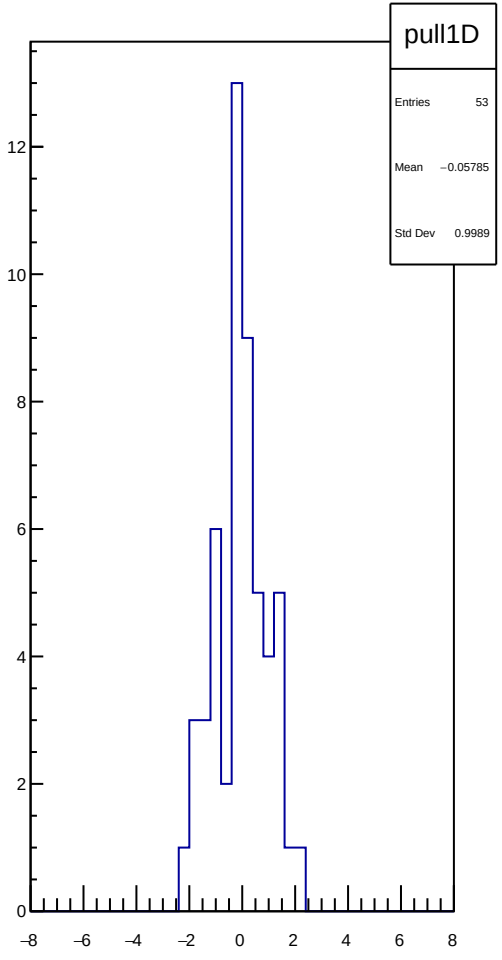

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.237e+05 / 52
p0 35 ± 0.03735
80
70
60
50
40
30
20

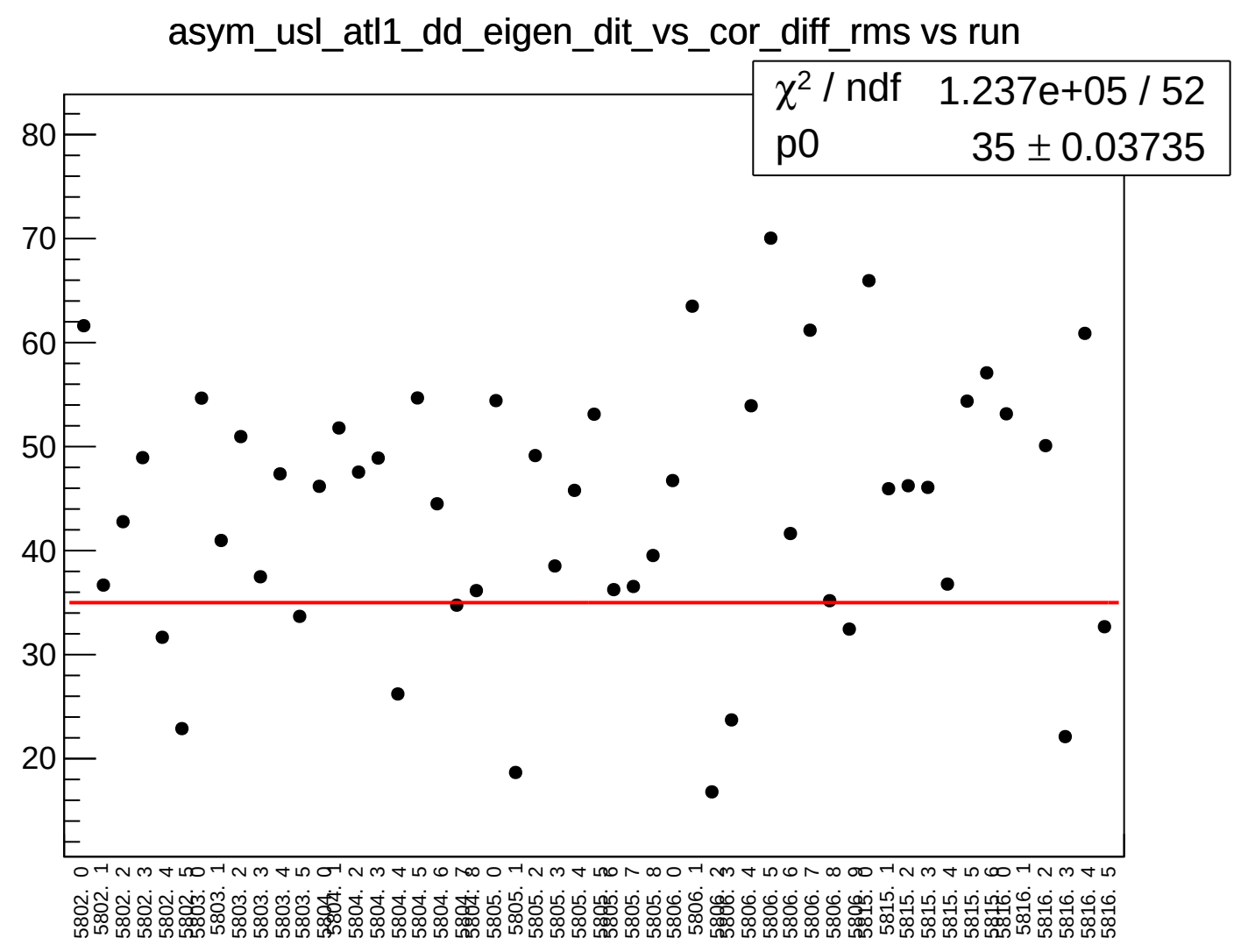

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.24 / 52
p0 5.847e−07 ± 8.685e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean −60.27
Std Dev 0


pull1D
Entries 53
Mean −0.02157
Std Dev 1.183

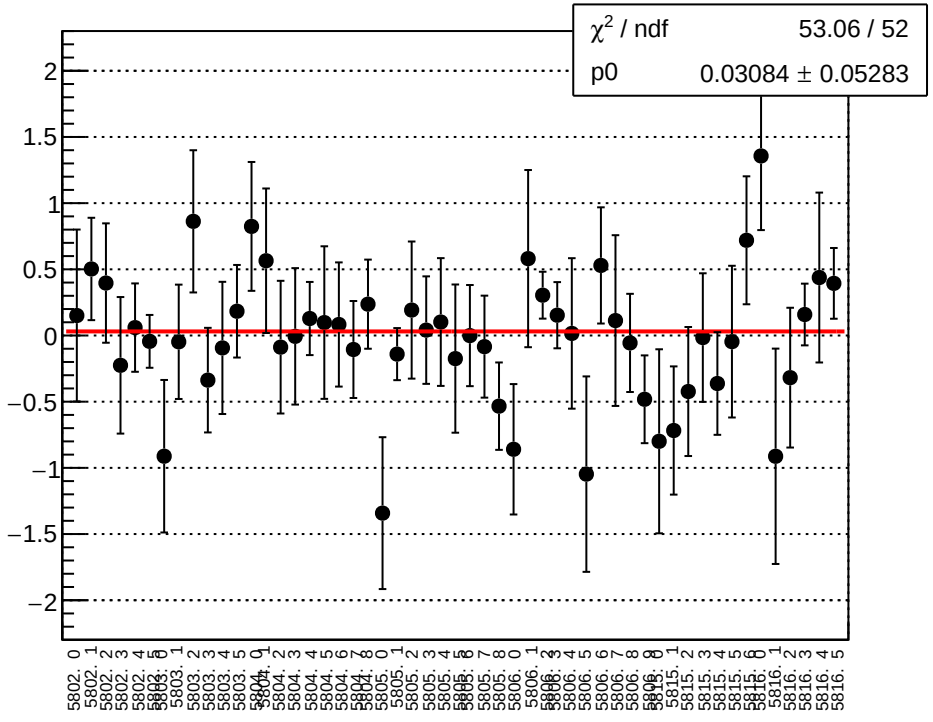

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1996 / 52
p0 0.000614 ± 6.141e−07
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56

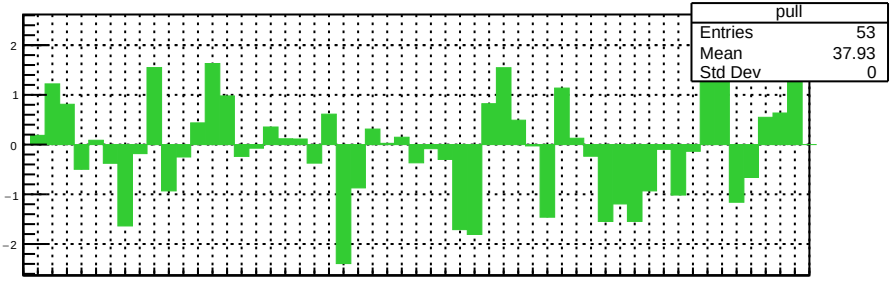

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.06 / 52
p0 0.03084 ± 0.05283
pull
Entries 53
Mean 37.93
Std Dev 0

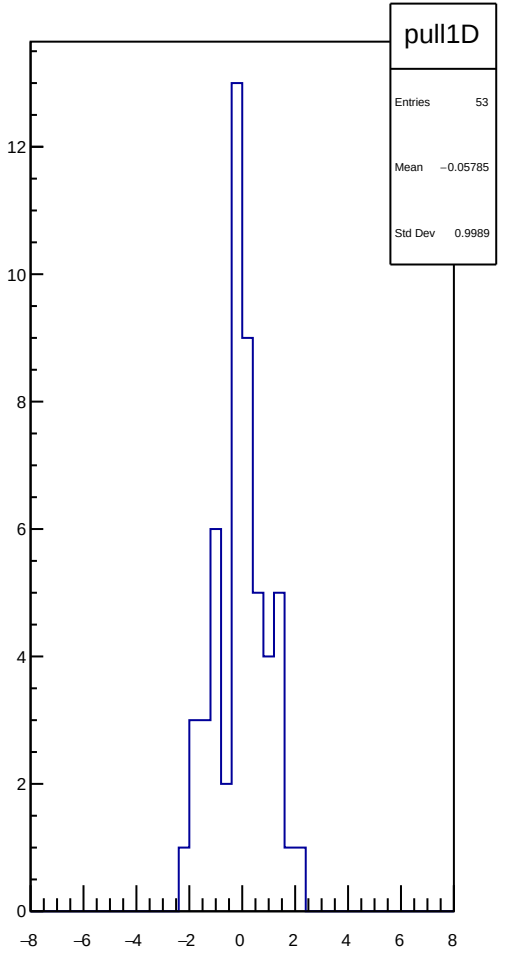

pull1D
Entries 53
Mean −0.05785
Std Dev 0.9989

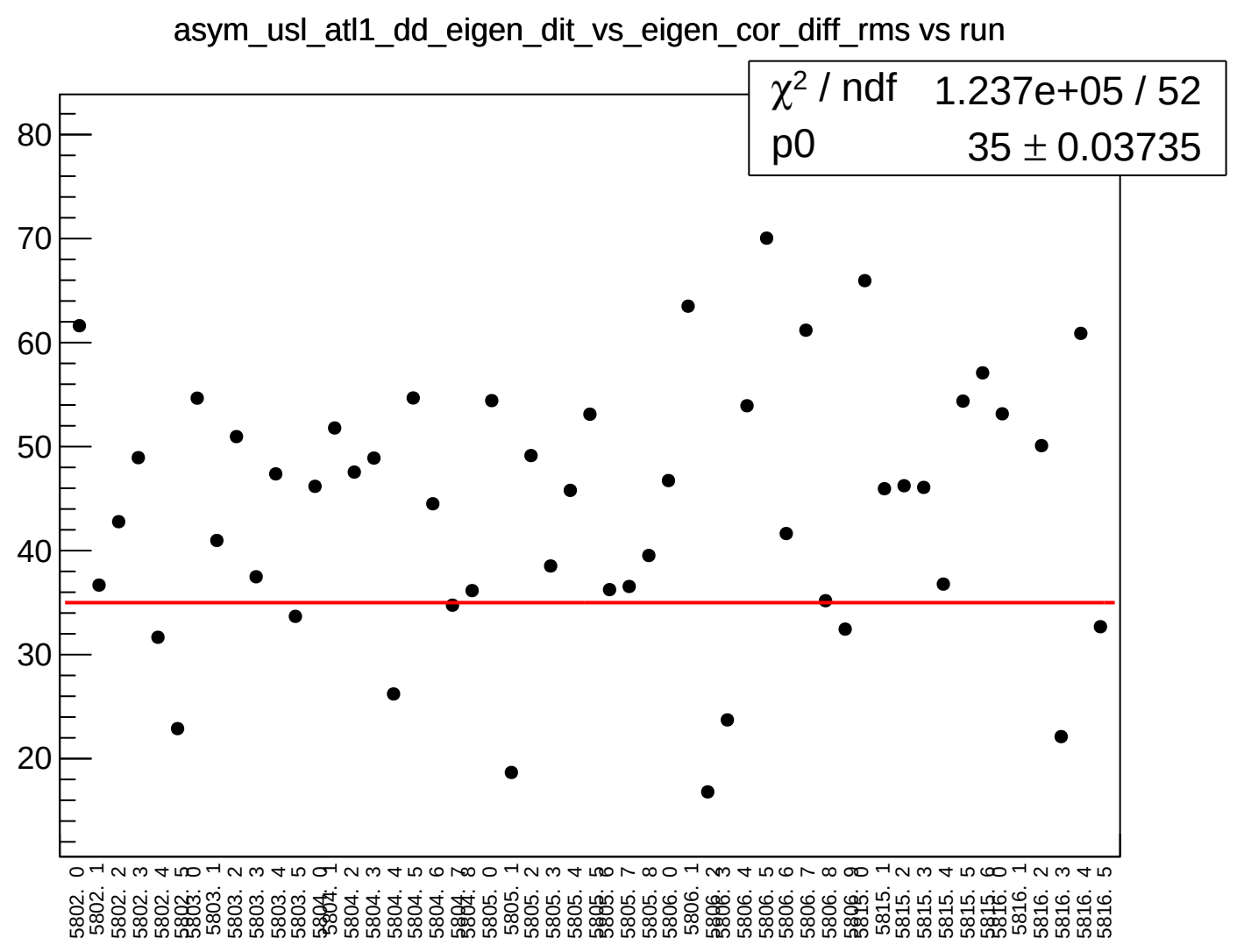

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.237e+05 / 52
p0 35 ± 0.03735
80
70
60
50
40
30
20

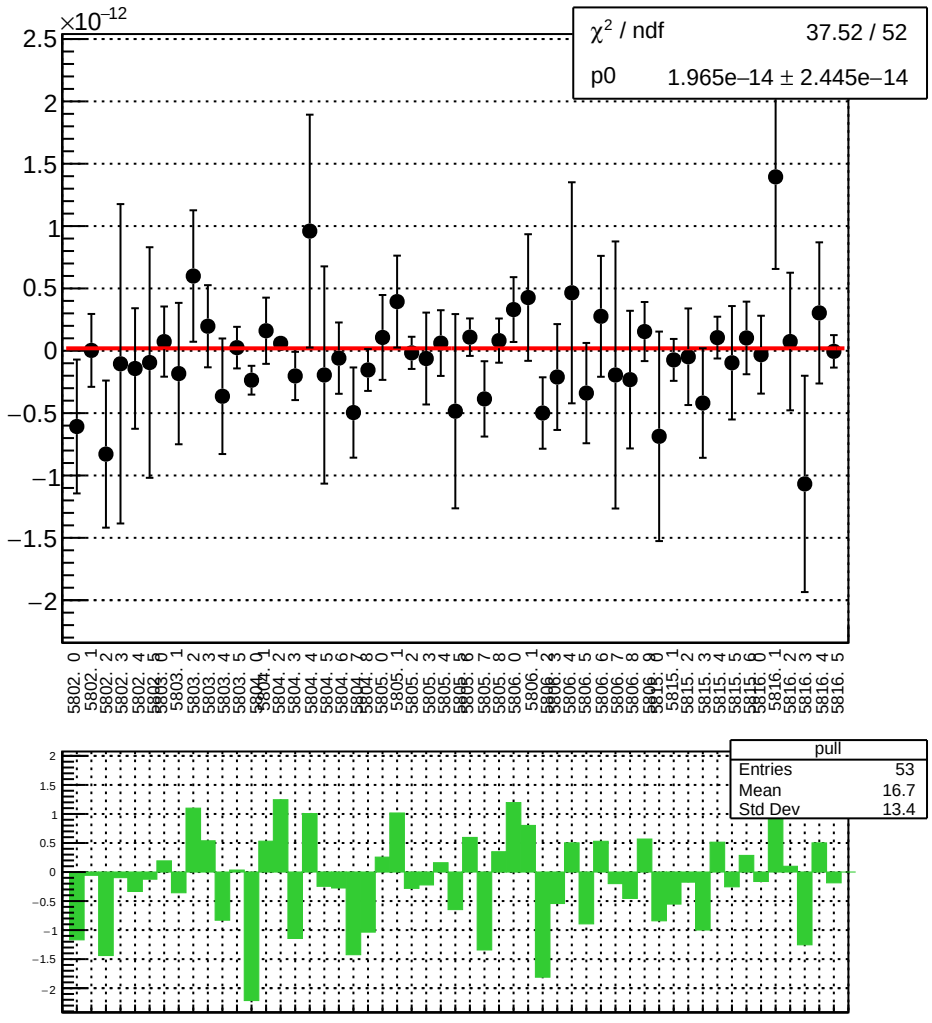
asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

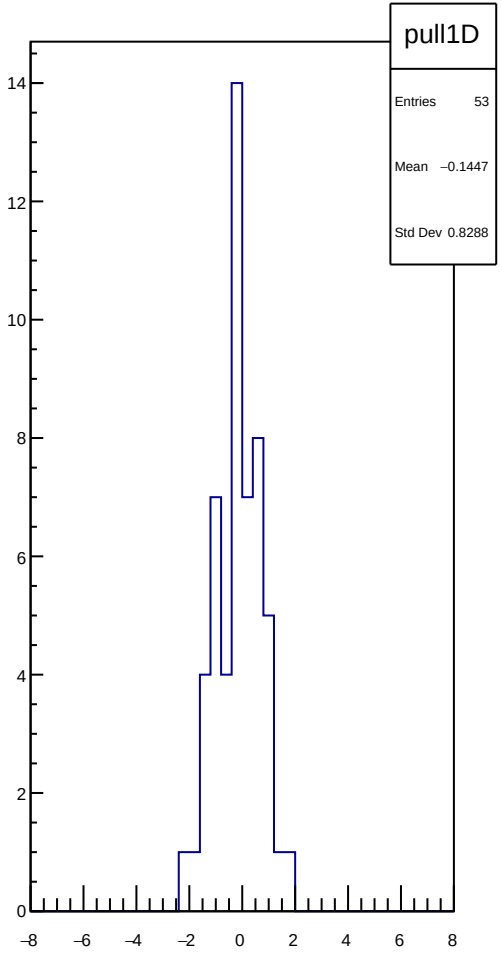


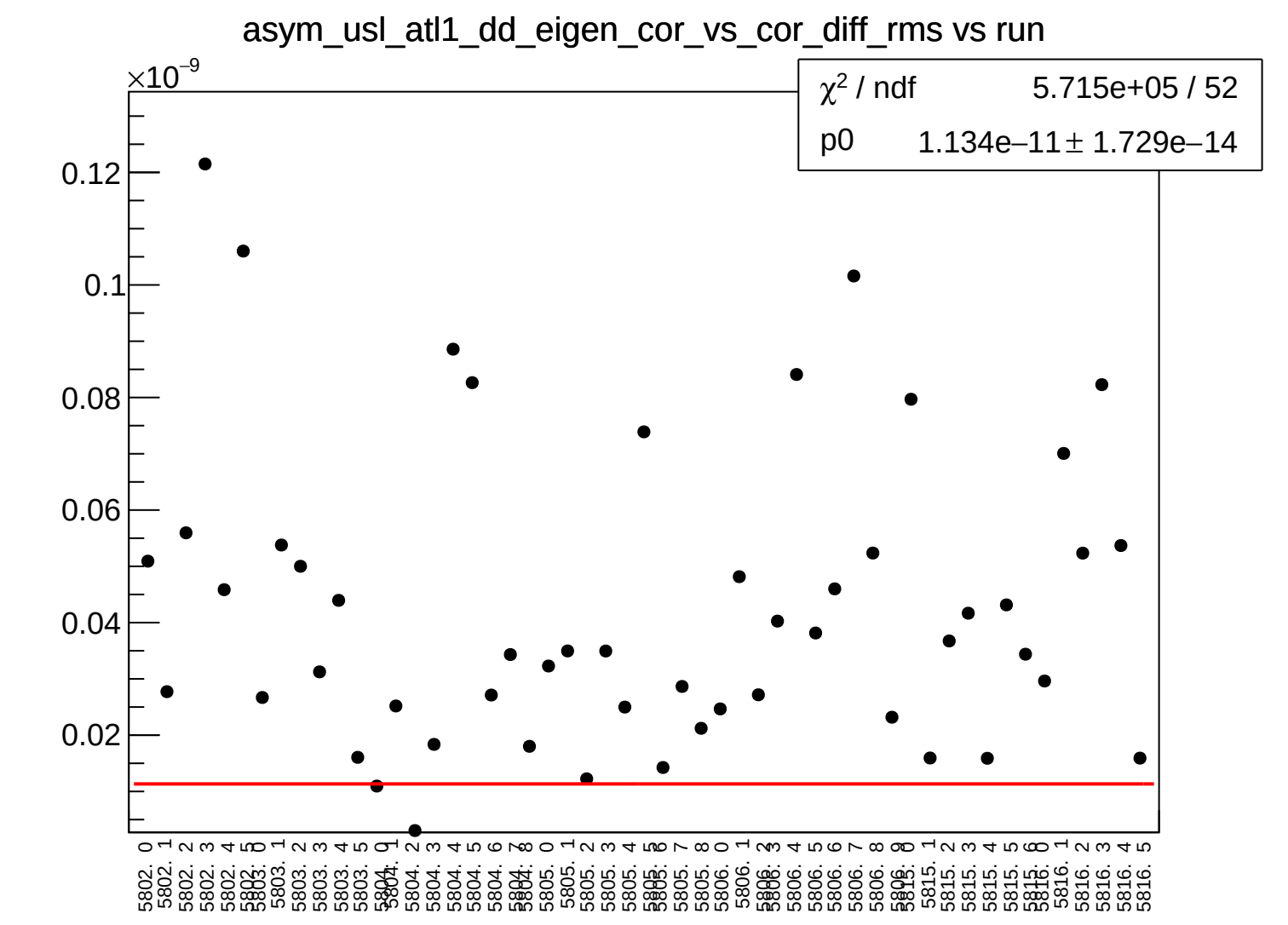


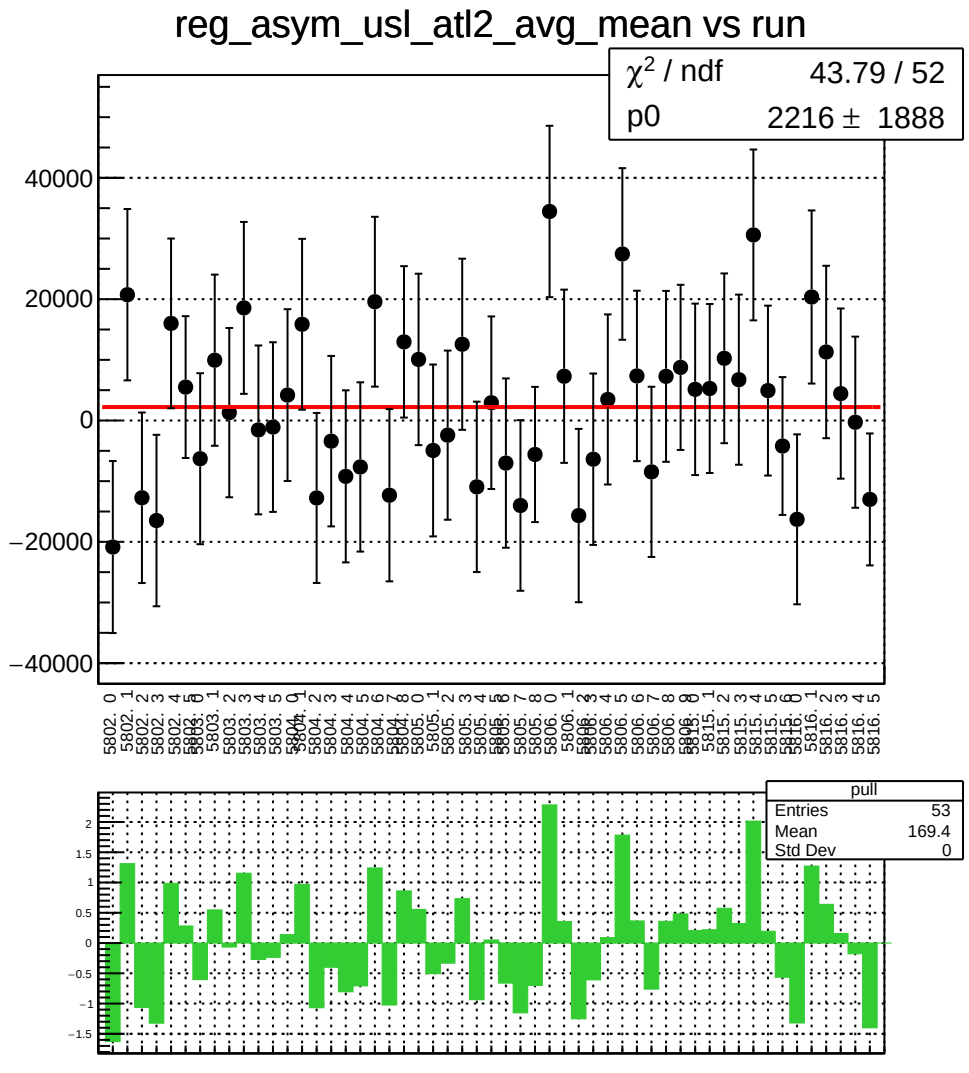


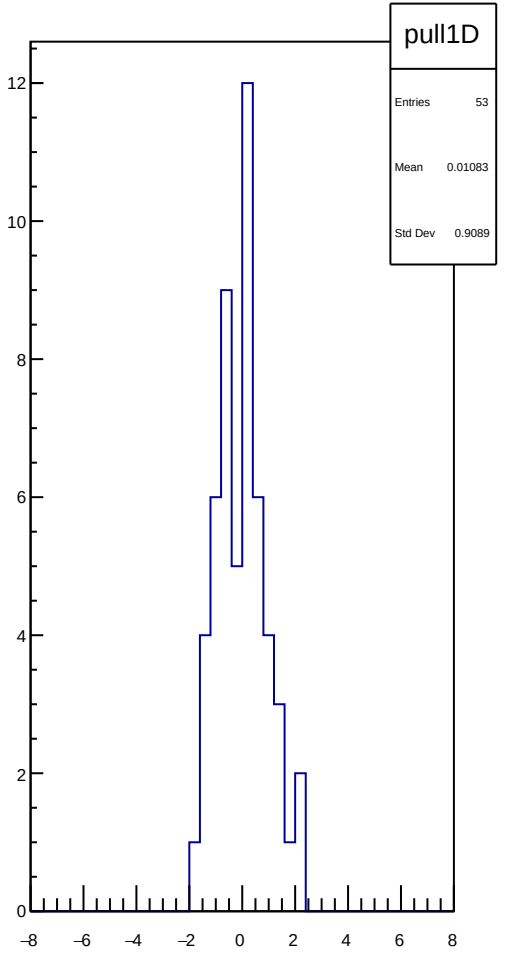

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.237e+05 / 52
p0 35 ± 0.03735
80
70
60
50
40
30
20

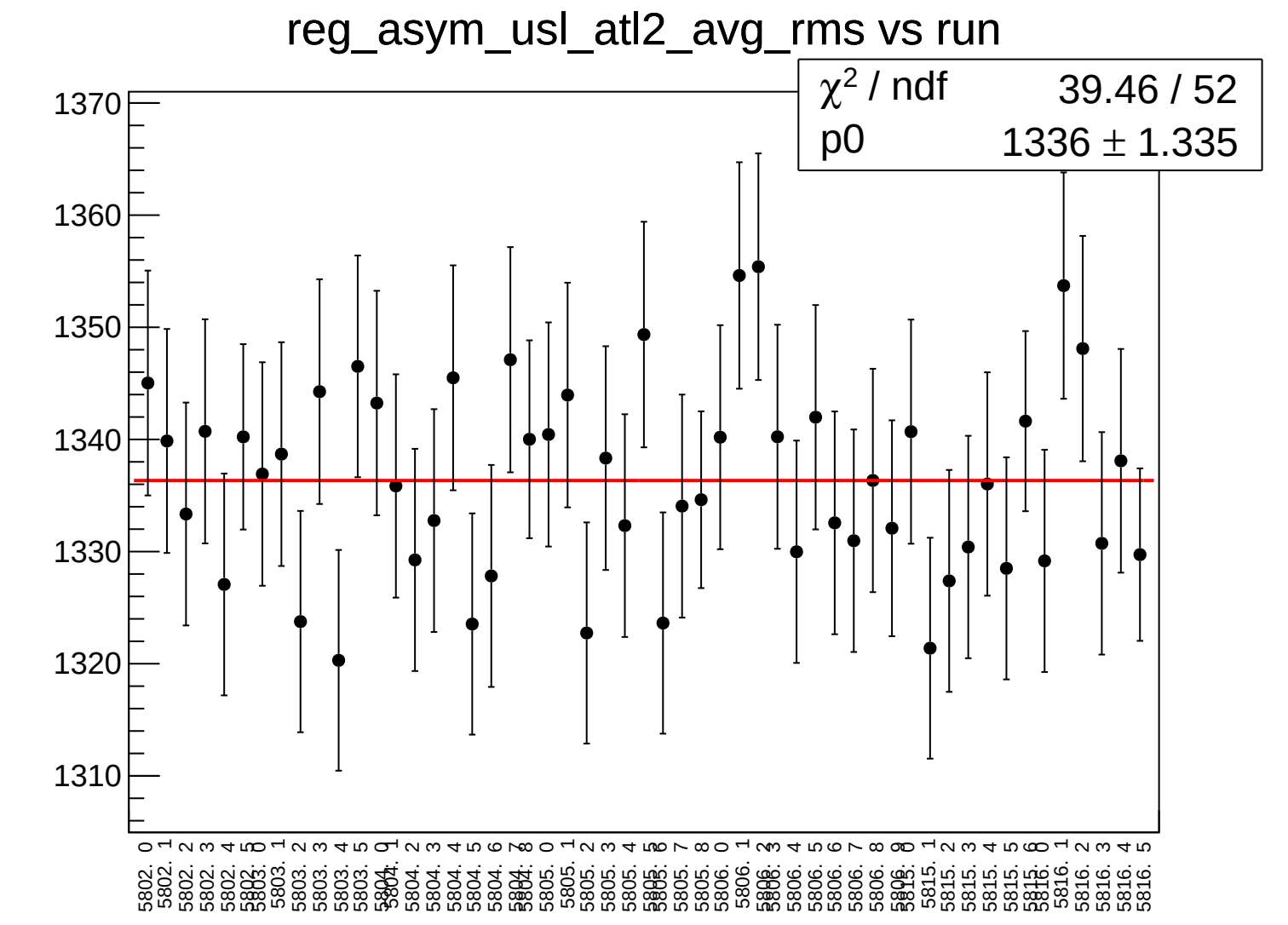

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.52 / 52
p0 1.965e−14 ± 2.445e−14
pull
Entries 53
Mean 16.7
Std Dev 13.4

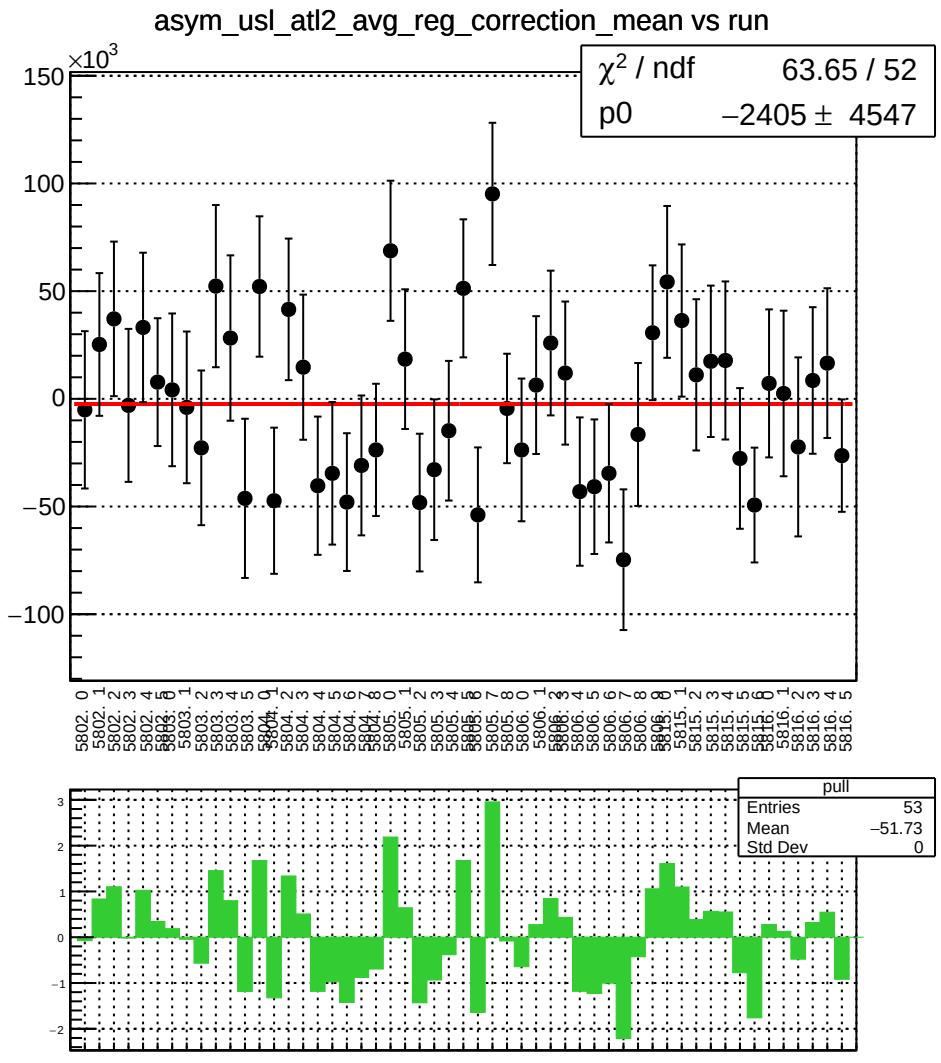

pull1D
Entries 53
Mean −0.1447
Std Dev 0.8288

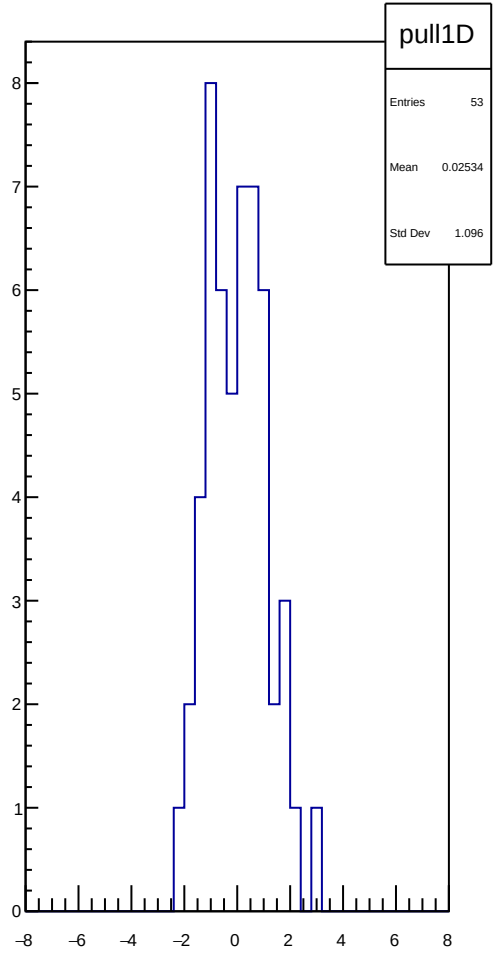

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.715e+05 / 52
p0 1.134e−11 ± 1.729e−14
0.12
0.1
0.08
0.06
0.04
0.02
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

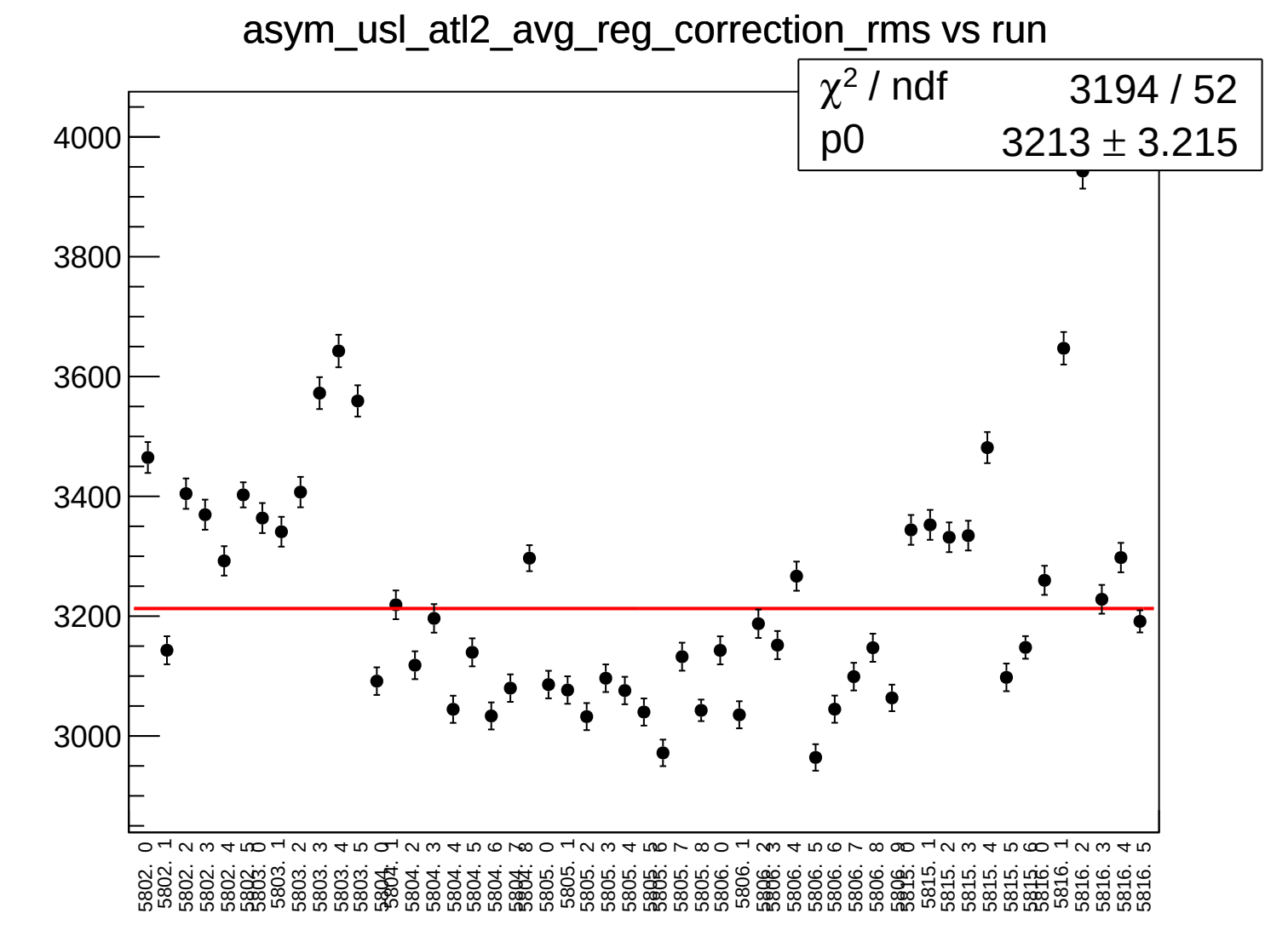

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.79 / 52
p0 2216 ± 1888
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 169.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

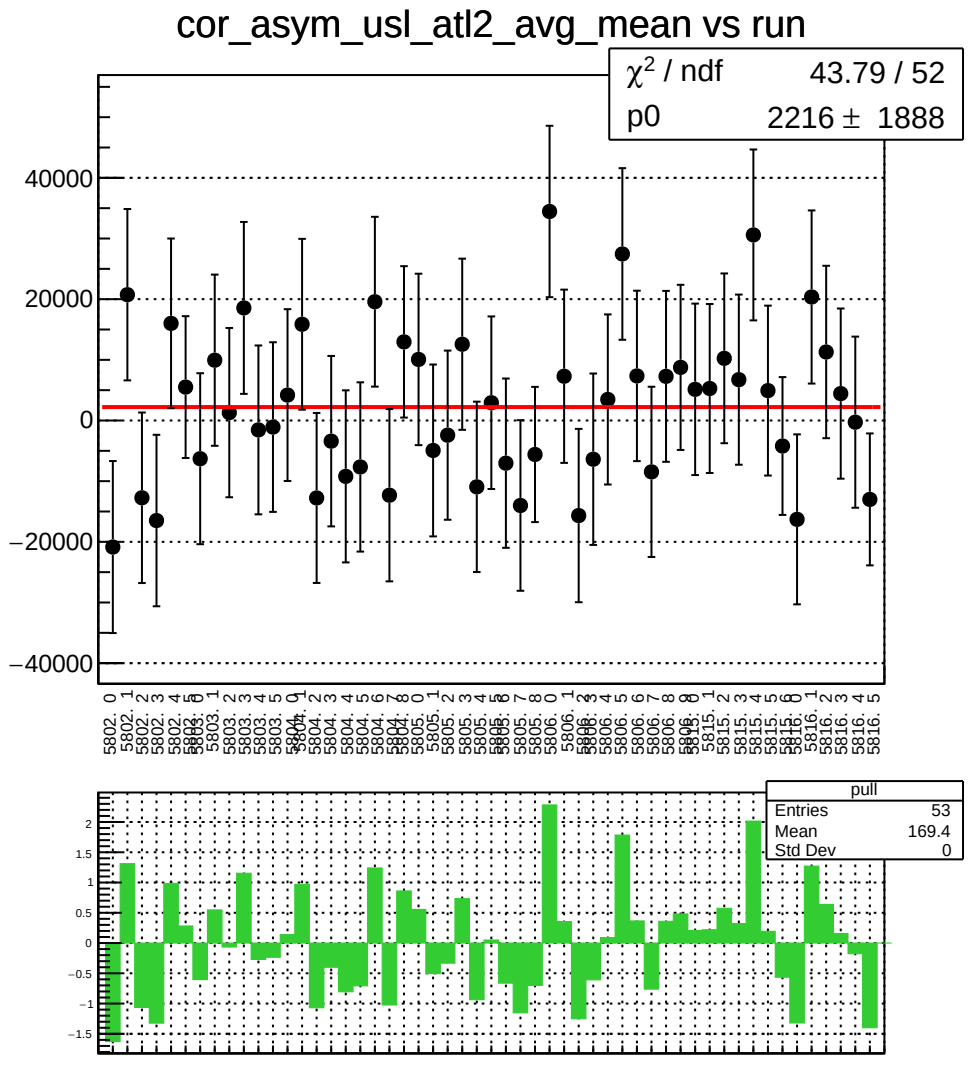

pull1D
Entries 53
Mean 0.01083
Std Dev 0.9089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

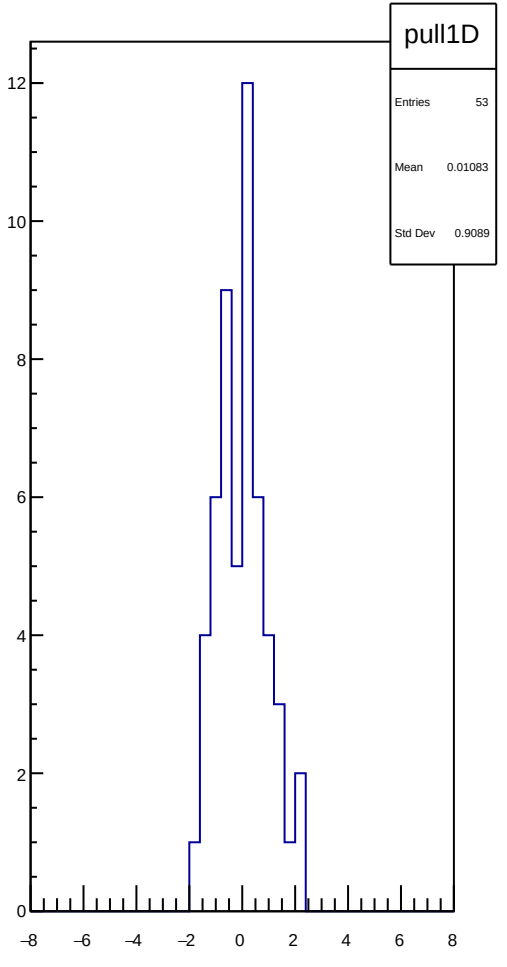

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 39.46 / 52
p0 1336 ± 1.335
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

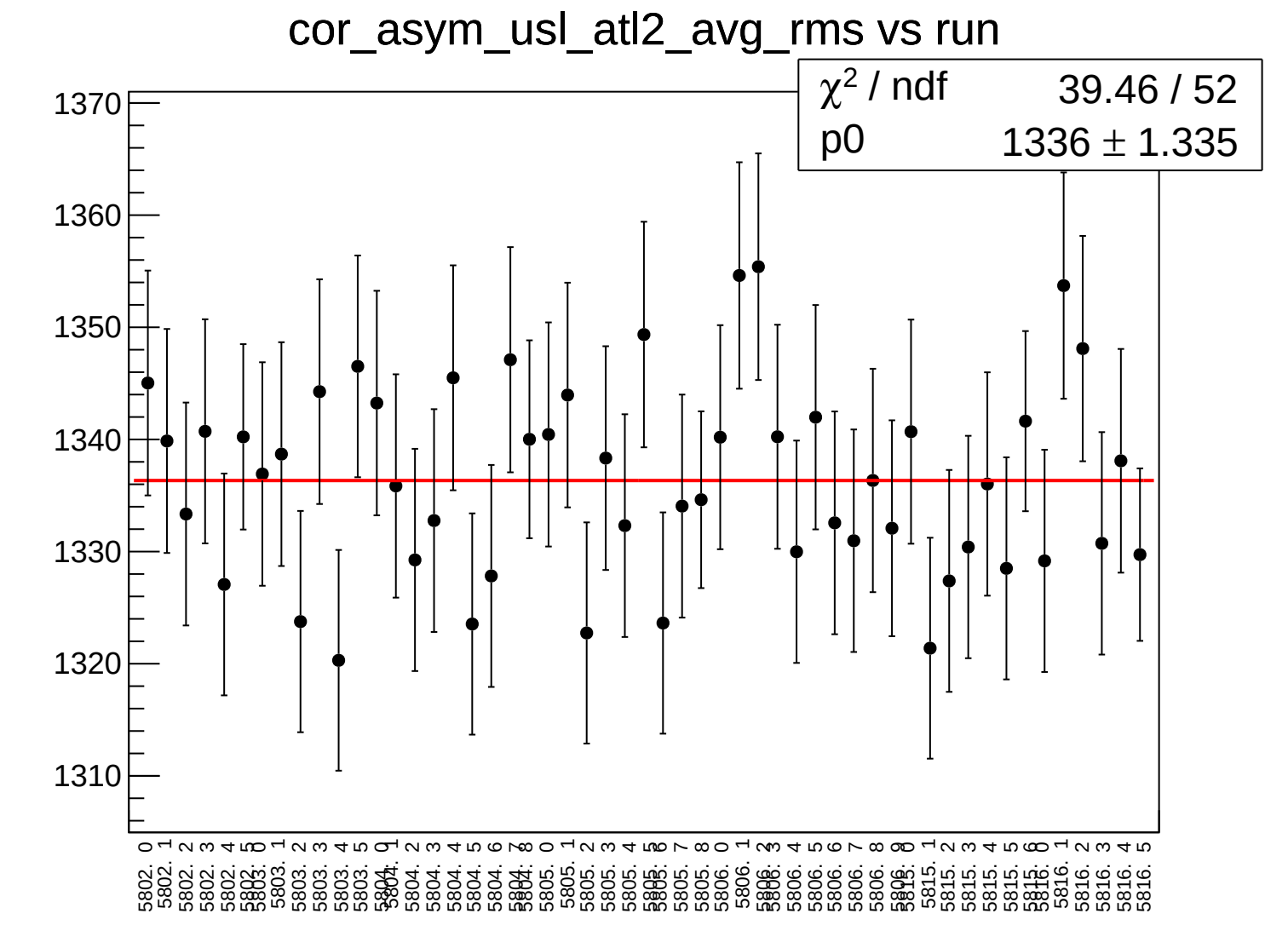

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 63.65 / 52
p0 −2405 ± 4547
150
100
50
0
−50
−100
pull
Entries 53
Mean −51.73
Std Dev 0
3
2
1
0
−1
−2

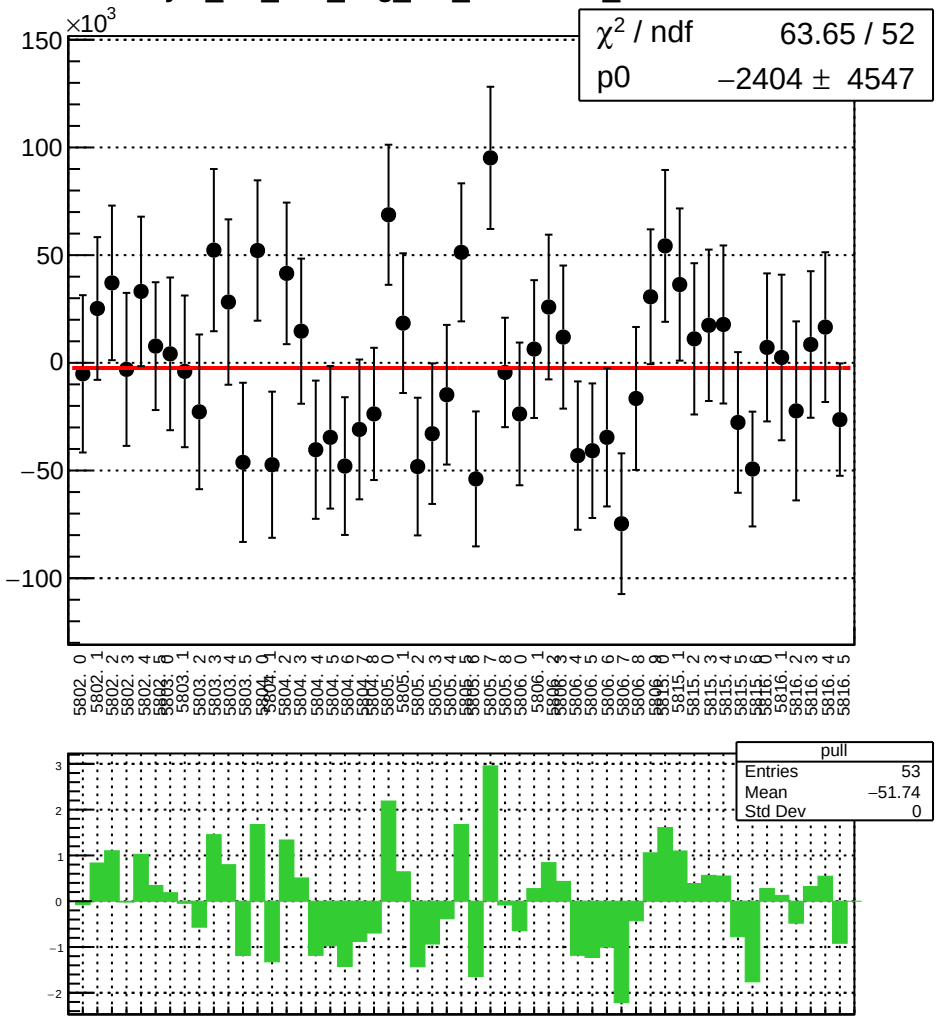

pull1D
Entries 53
Mean 0.02534
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

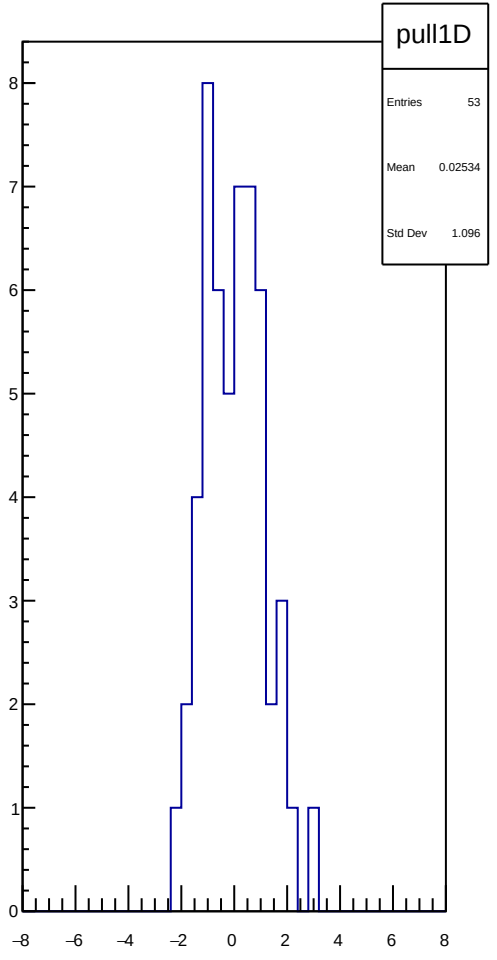

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 3194 / 52
p0 3213 ± 3.215
4000
3800
3600
3400
3200
3000

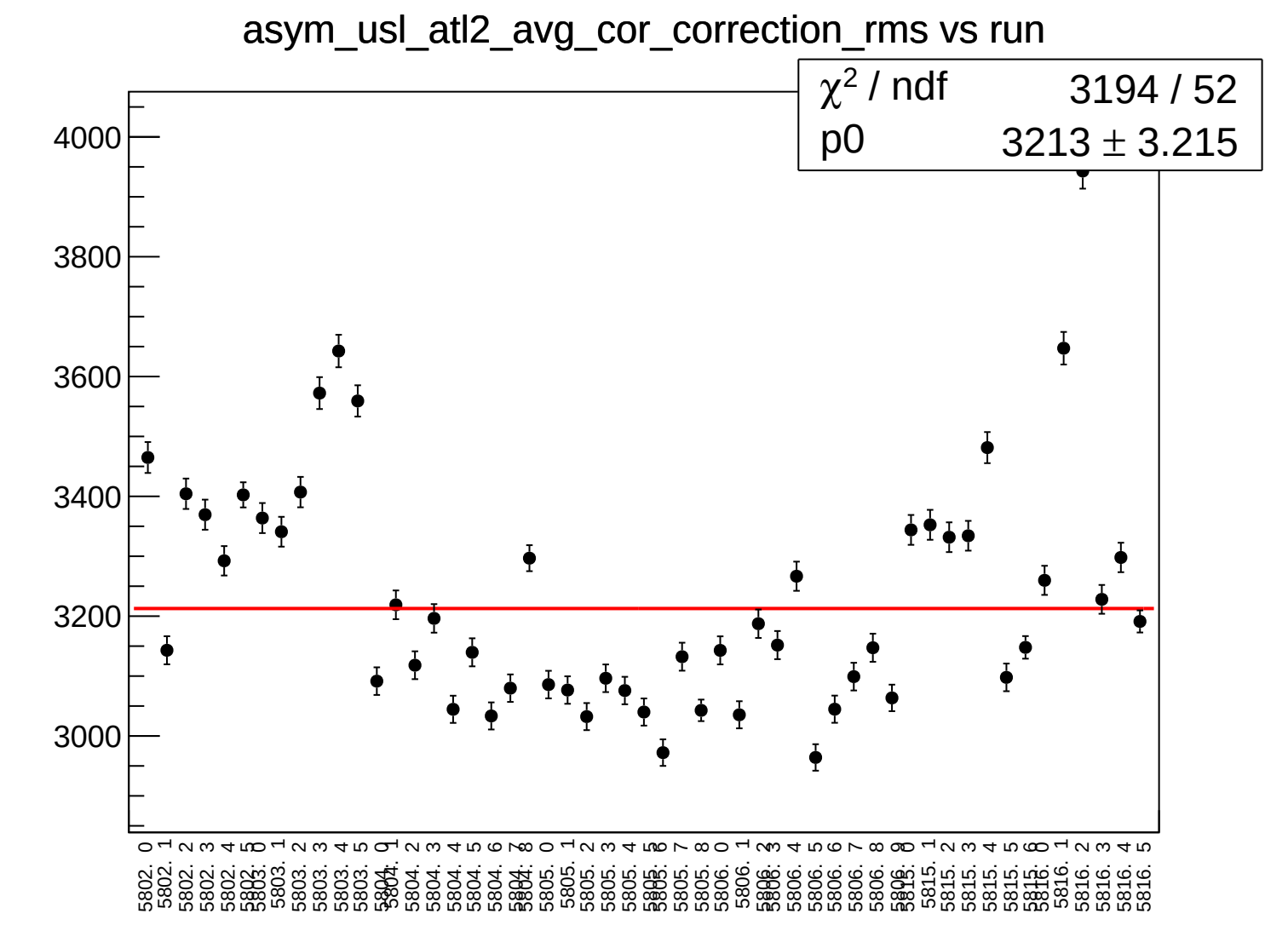

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.79 / 52
p0 2216 ± 1888
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 169.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

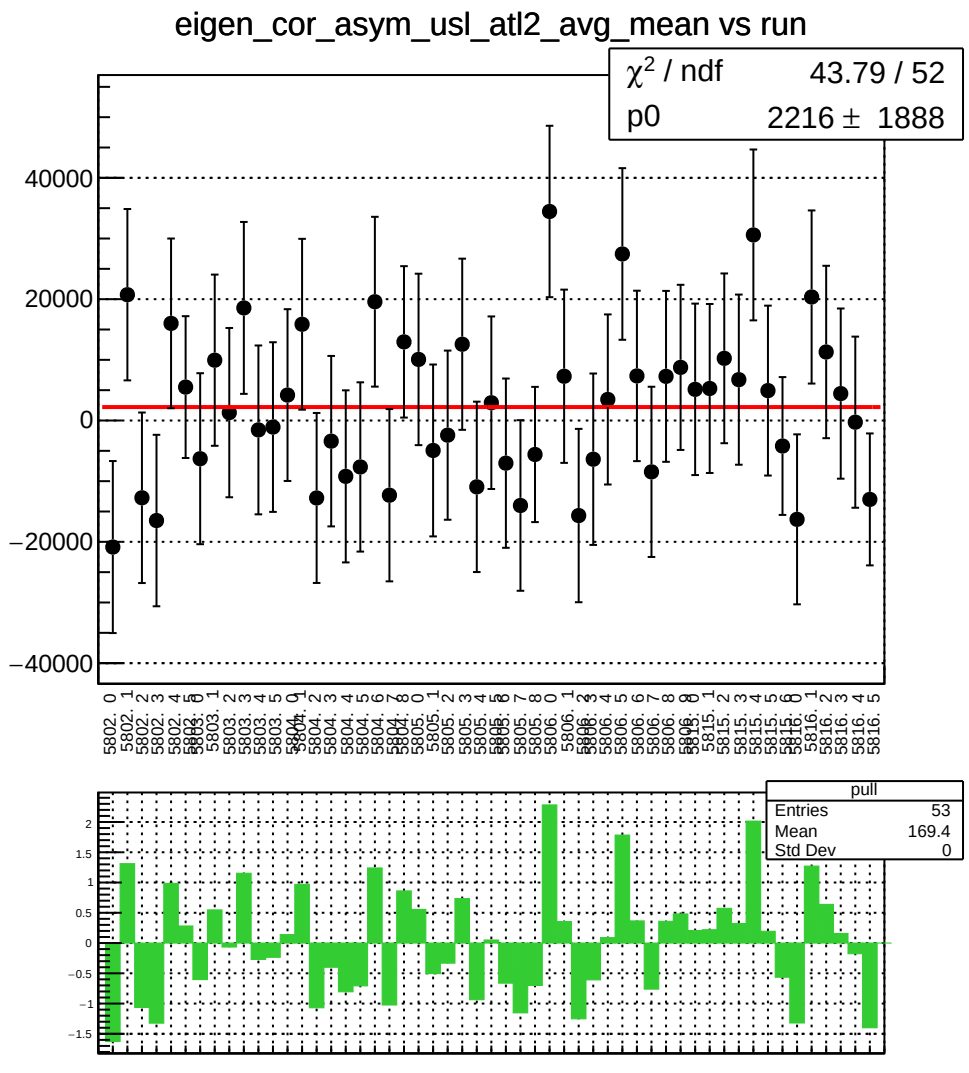

pull1D
Entries 53
Mean 0.01083
Std Dev 0.9089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

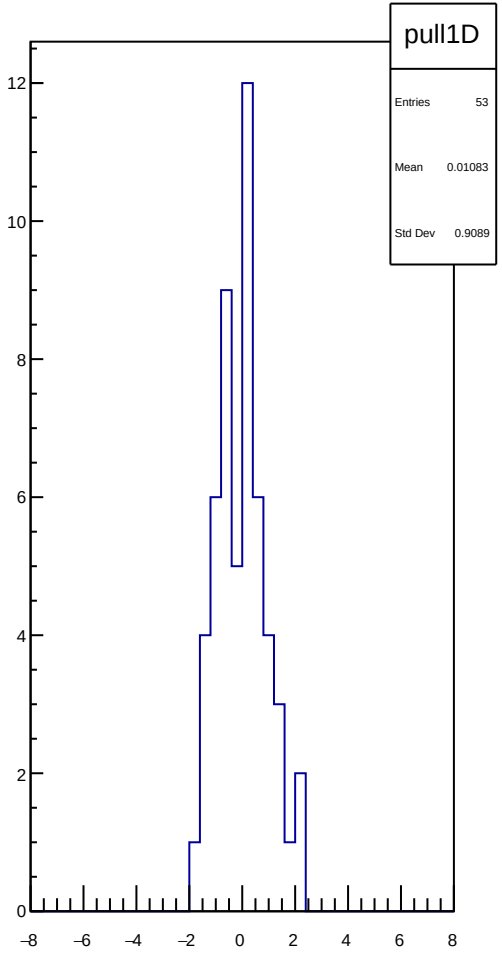

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 39.46 / 52
p0 1336 ± 1.335
1370
1360
1350
1340
1330
1320
1310

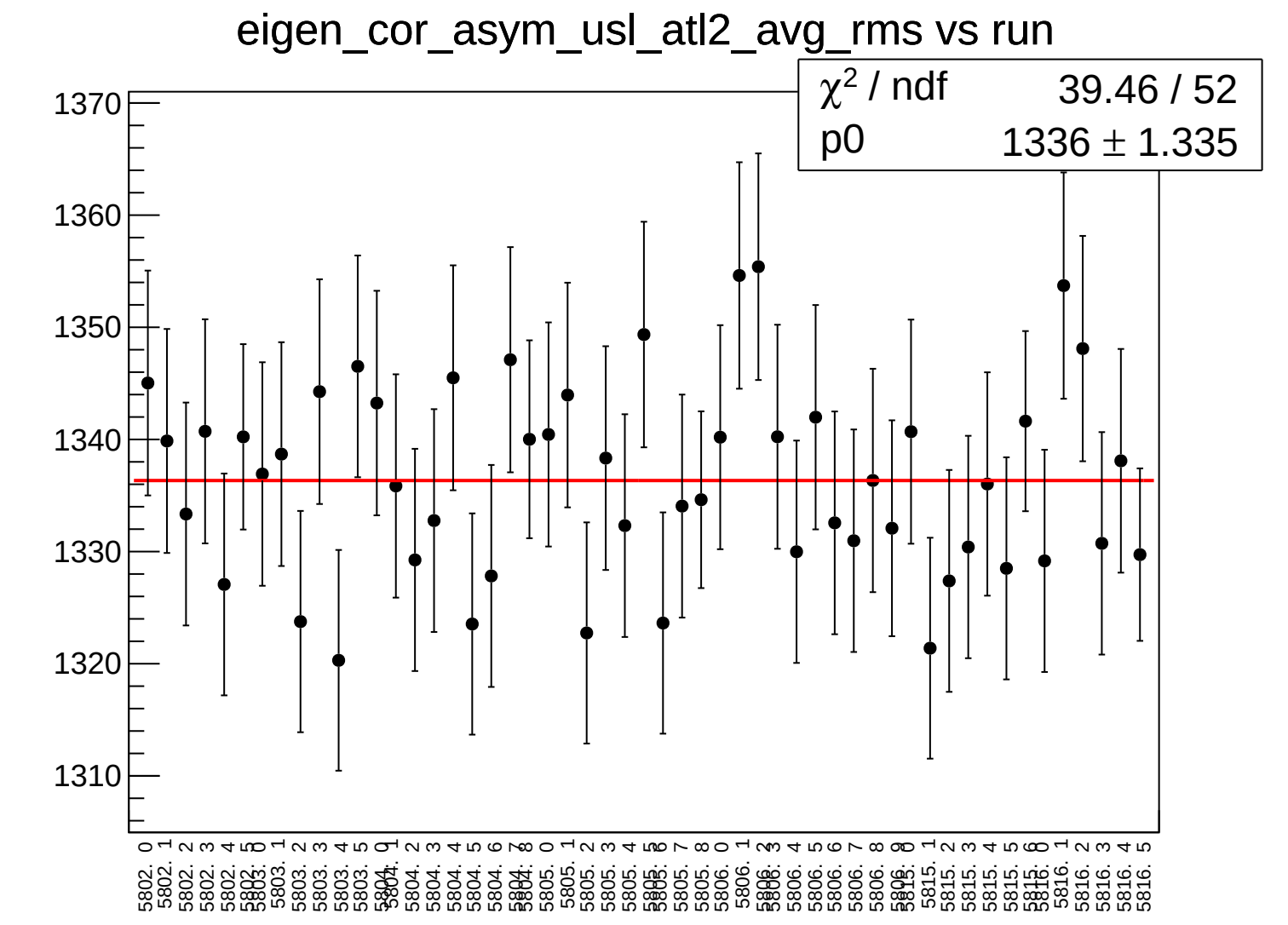

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 63.65 / 52
p0 −2404 ± 4547
150
100
50
0
−50
−100
pull
Entries 53
Mean −51.74
Std Dev 0
3
2
1
0
−1
−2

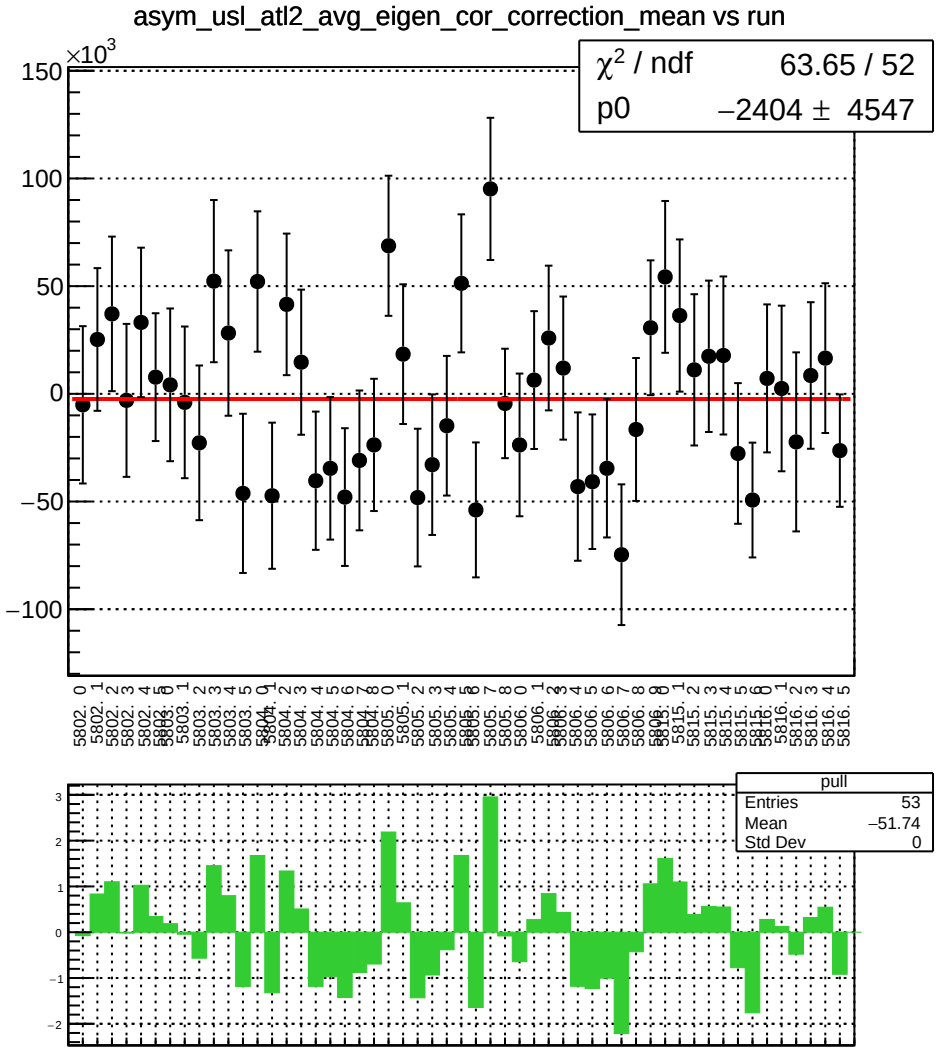

pull1D
Entries 53
Mean 0.02534
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

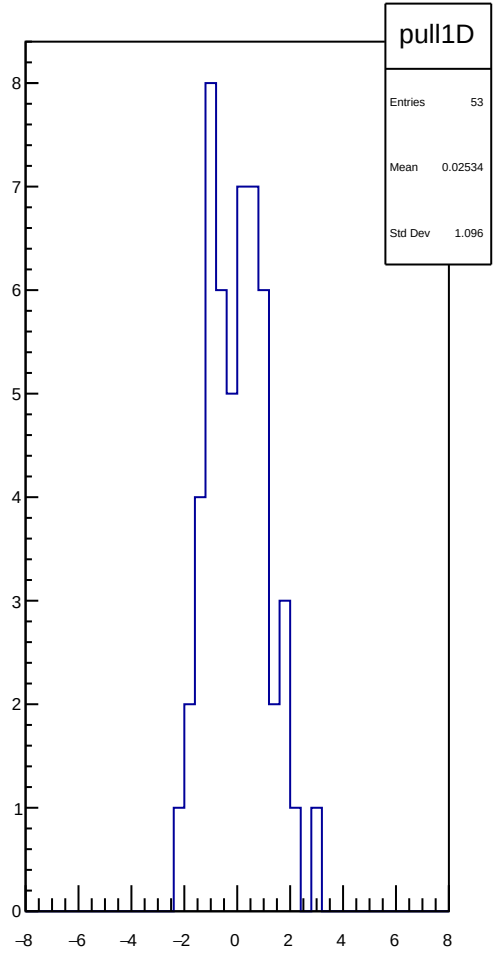

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 3194 / 52
p0 3213 ± 3.215
4000
3800
3600
3400
3200
3000

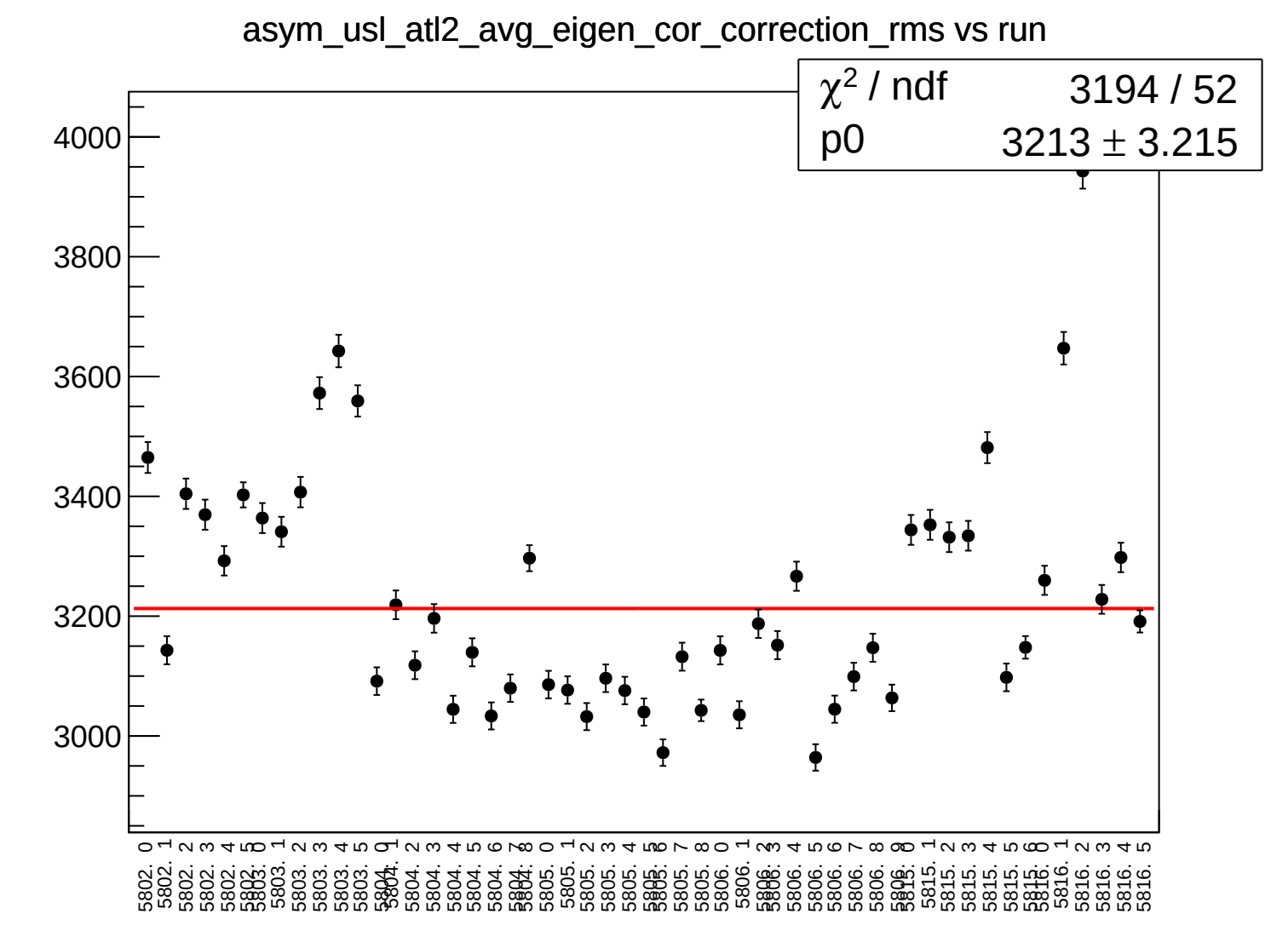

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.79 / 52
p0 2216 ± 1888
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 169.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

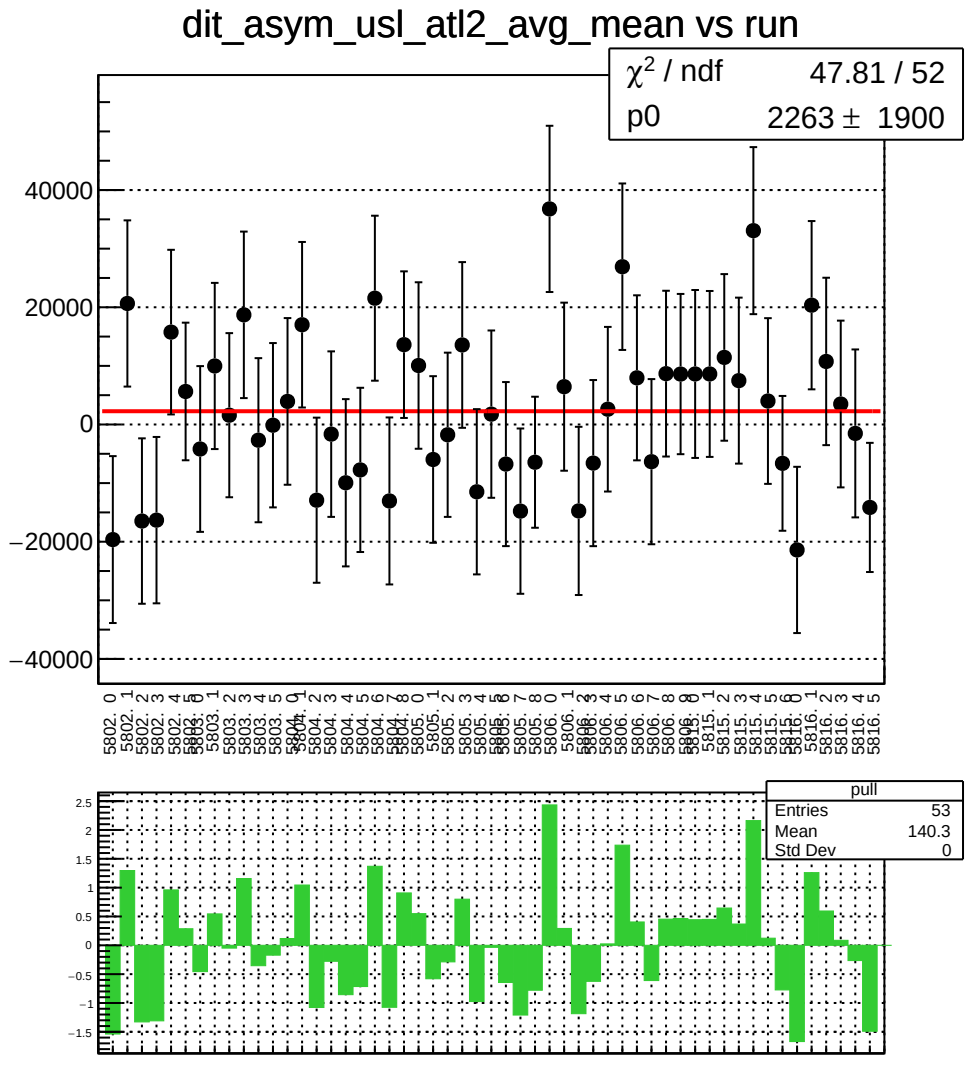

pull1D
Entries 53
Mean 0.01083
Std Dev 0.9089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

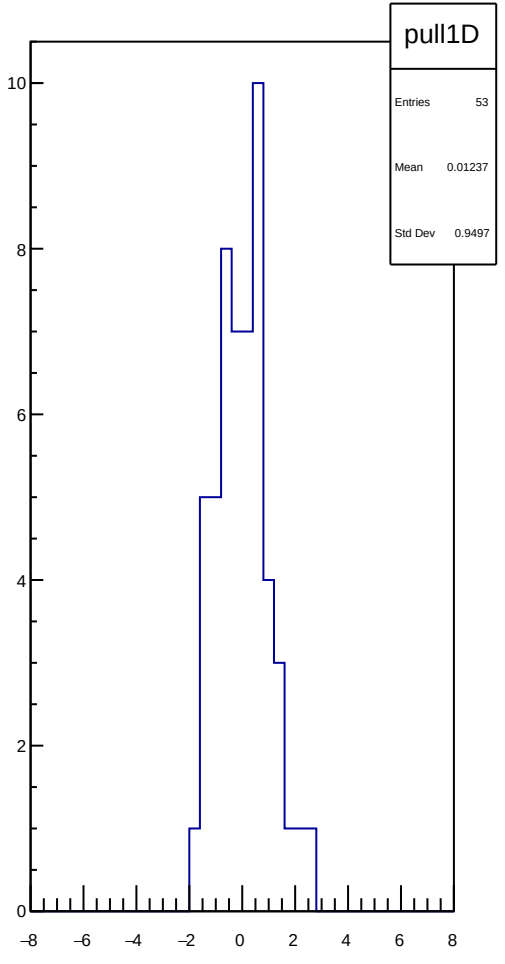

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 39.46 / 52
p0 1336 ± 1.335
1370
1360
1350
1340
1330
1320
1310
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

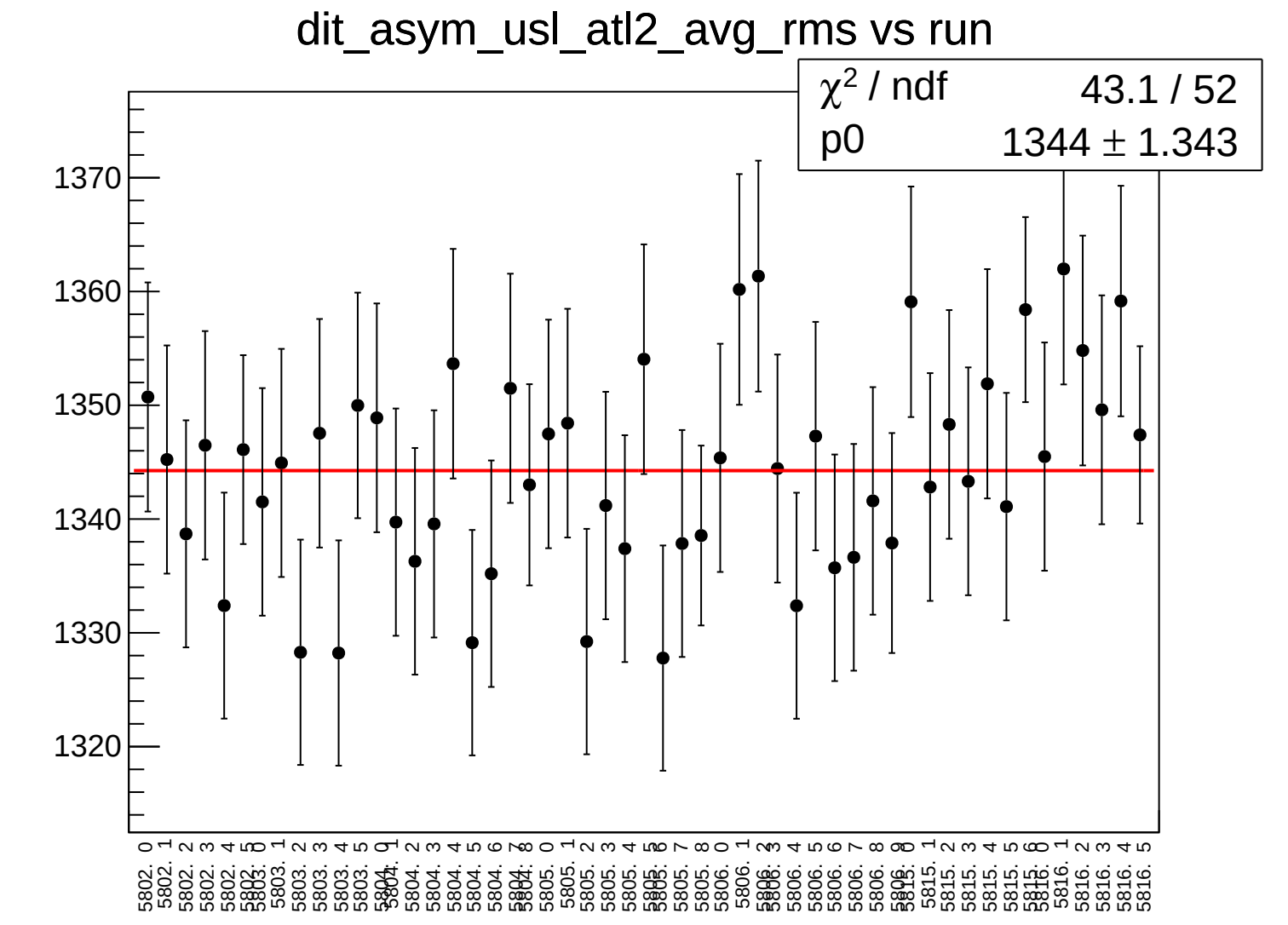

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 63.65 / 52
p0 −2404 ± 4547
150
100
50
0
−50
−100
pull
Entries 53
Mean −51.74
Std Dev 0
3
2
1
0
−1
−2

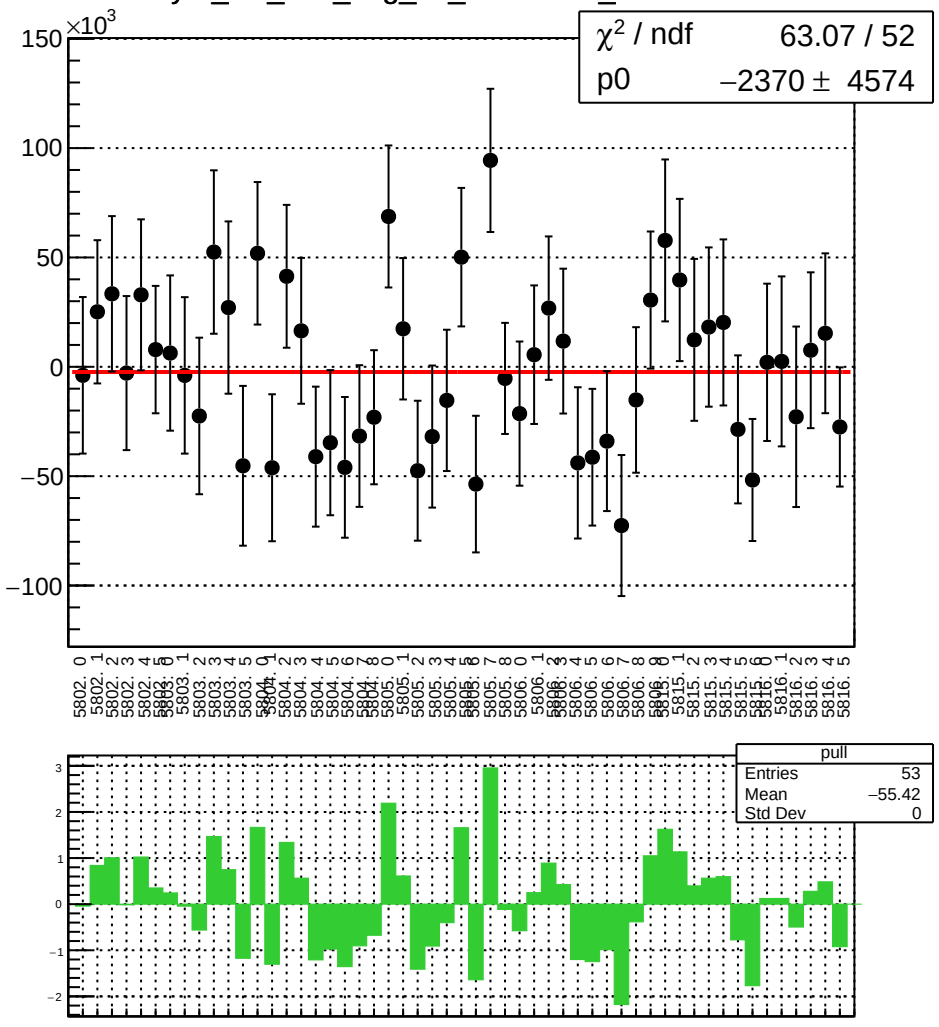

pull1D
Entries 53
Mean 0.02534
Std Dev 1.096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

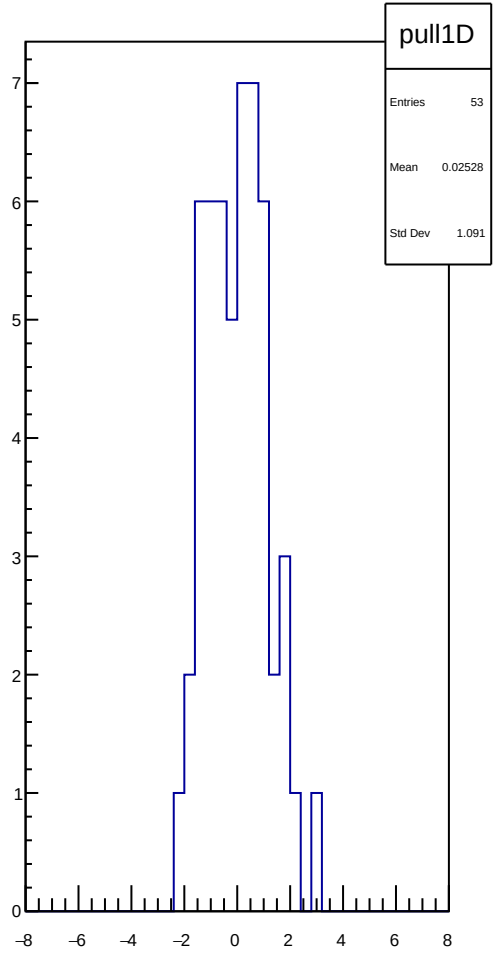

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3194 / 52
p0 3213 ± 3.215
4000
3800
3600
3400
3200
3000

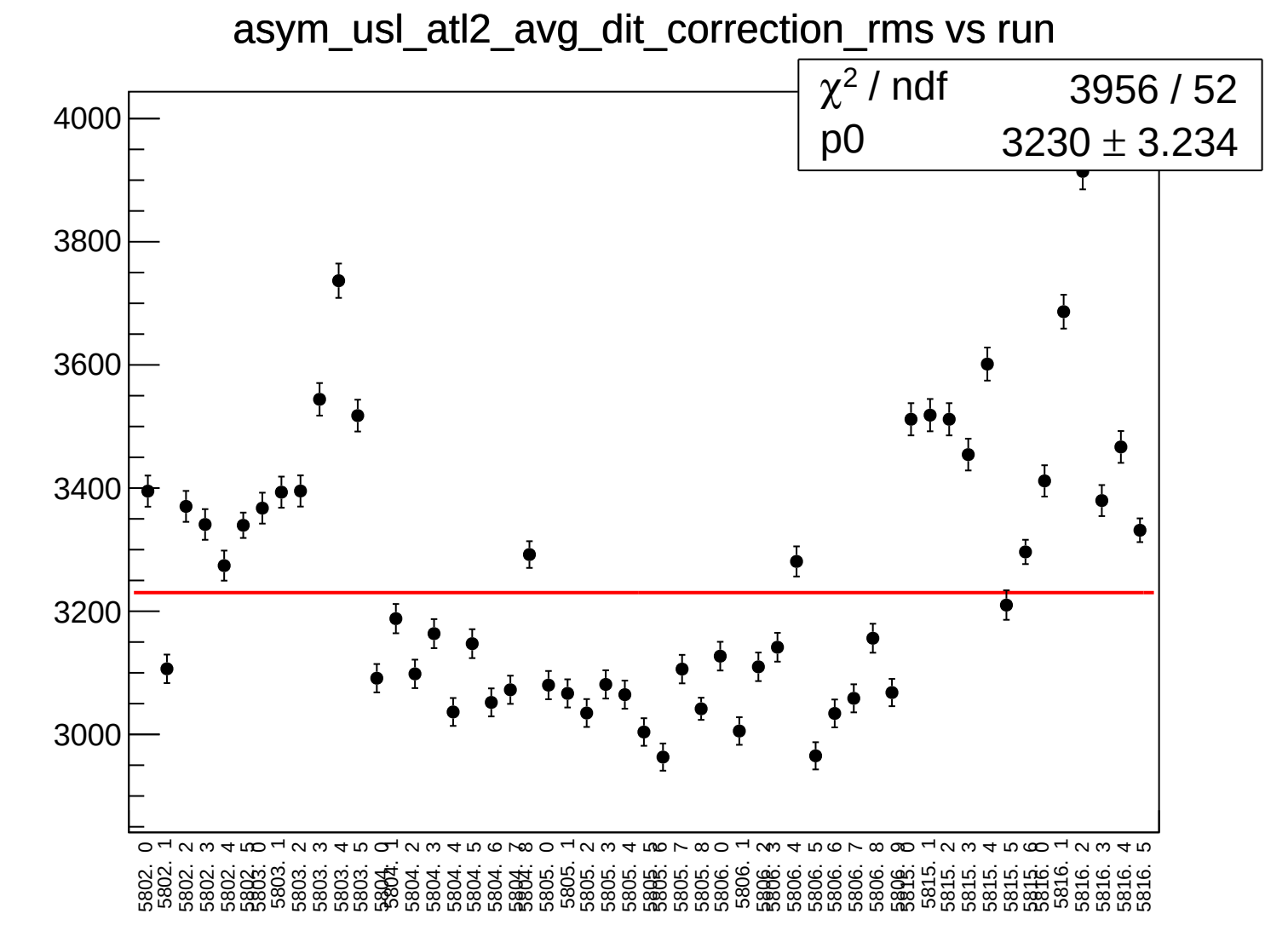

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.81 / 52
p0 2263 ± 1900
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 140.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

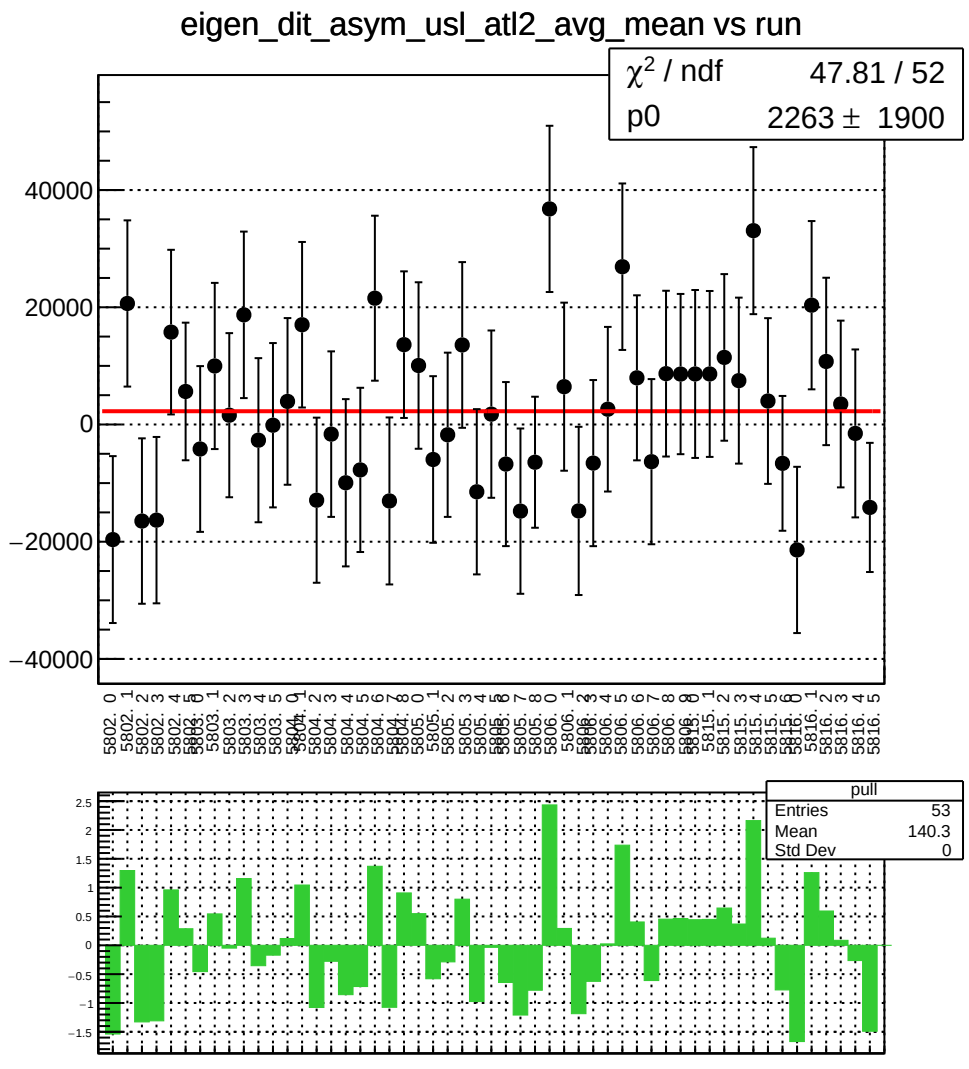

pull1D
Entries 53
Mean 0.01237
Std Dev 0.9497
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

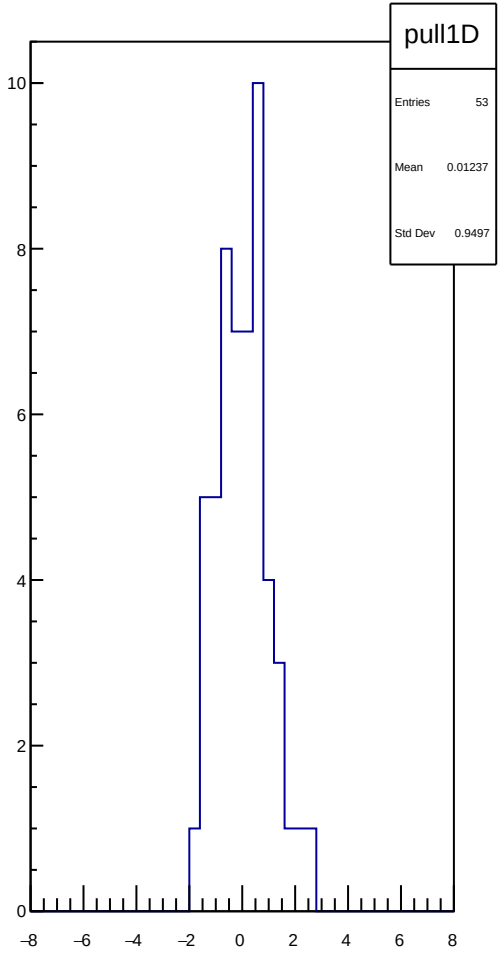

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 43.1 / 52
p0 1344 ± 1.343
1370
1360
1350
1340
1330
1320
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

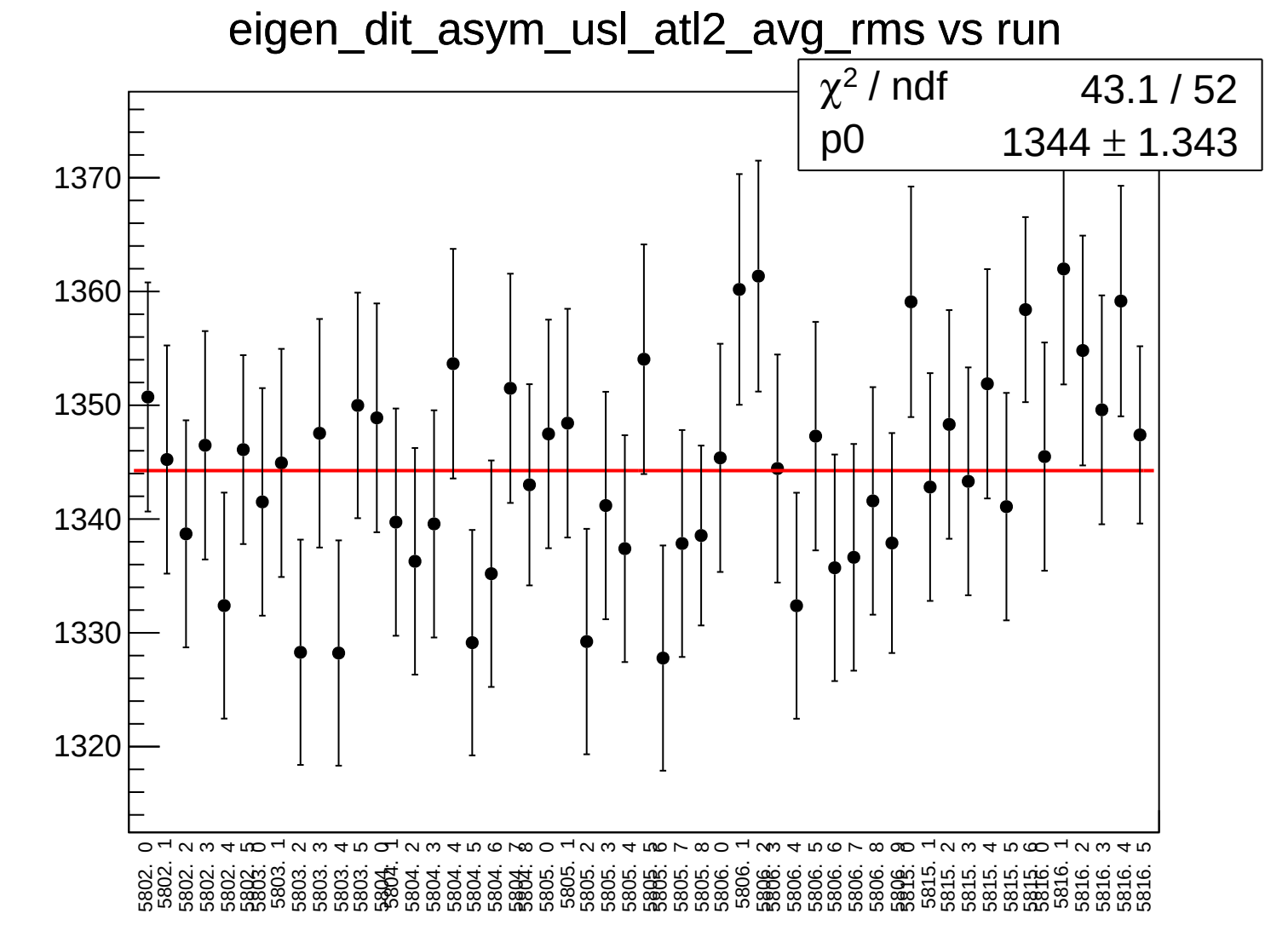

asym_usl_atl2_avg_dit_correction_mean vs run
χ² / ndf 63.07 / 52
p0 −2370 ± 4574
×10³
150
100
50
0
−50
−100
pull
Entries 53
Mean −55.42
Std Dev 0
3
2
1
0
−1
−2

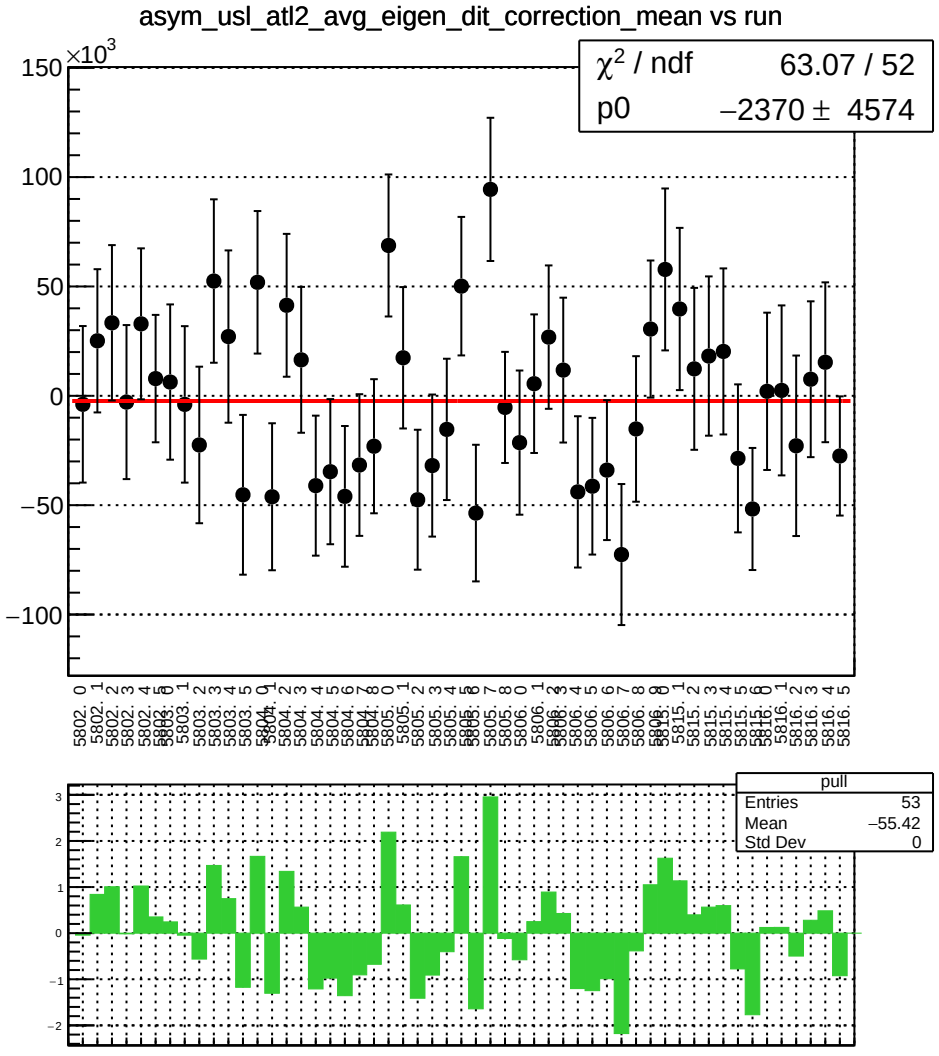

pull1D
Entries 53
Mean 0.02528
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

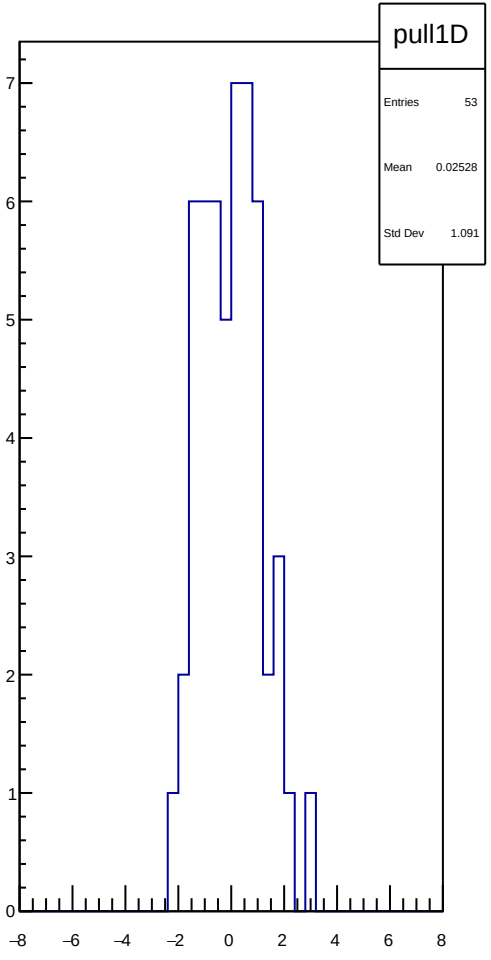

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 3956 / 52
p0 3230 ± 3.234
4000
3800
3600
3400
3200
3000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

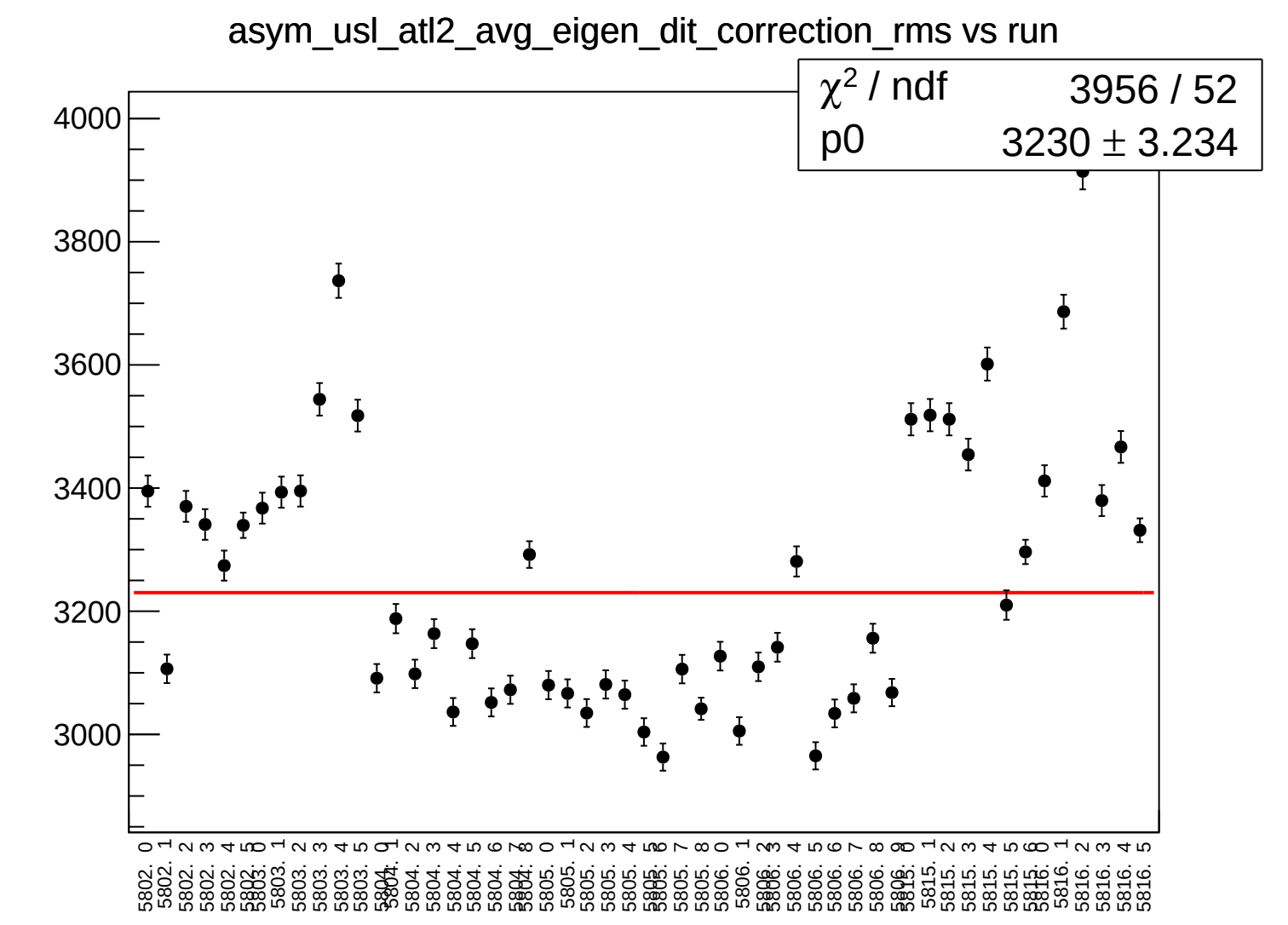

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.81 / 52
p0 2263 ± 1900
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 140.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

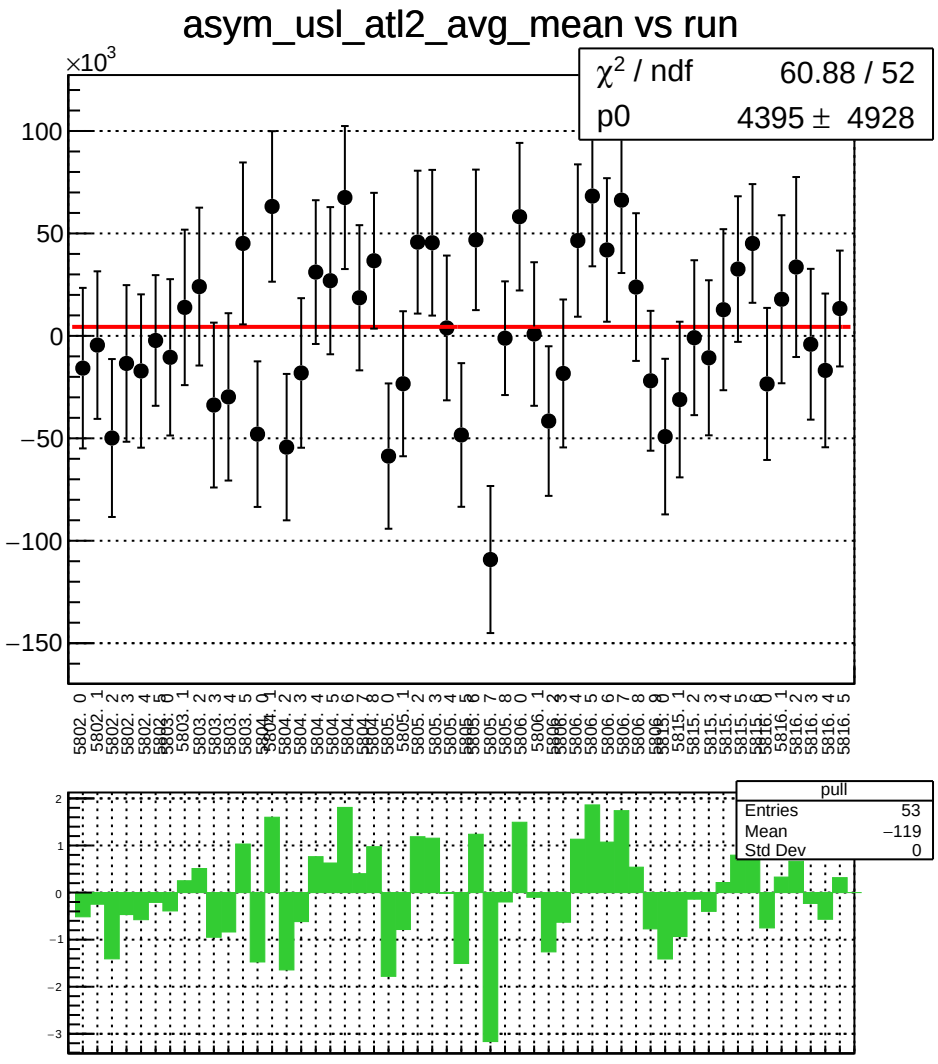

pull1D
Entries 53
Mean 0.01237
Std Dev 0.9497
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

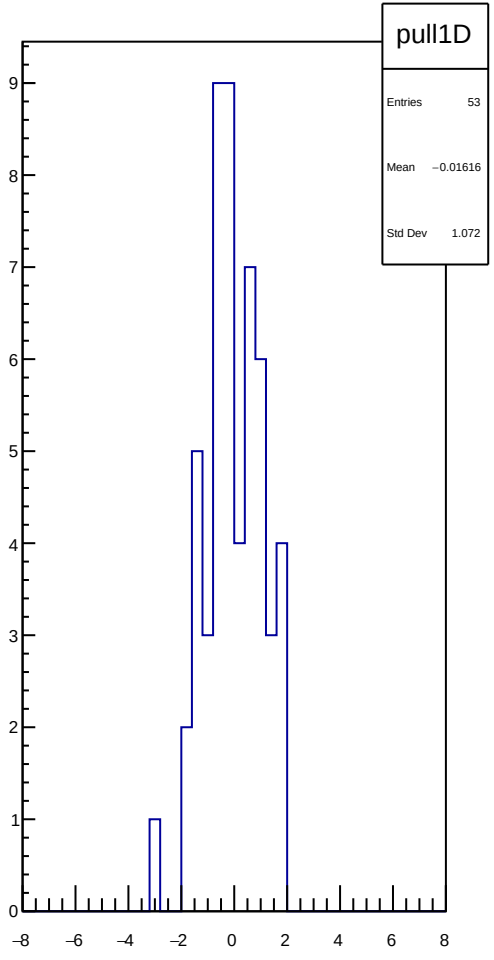

eigen_dit_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 43.1 / 52
p0 1344 ± 1.343
1370
1360
1350
1340
1330
1320

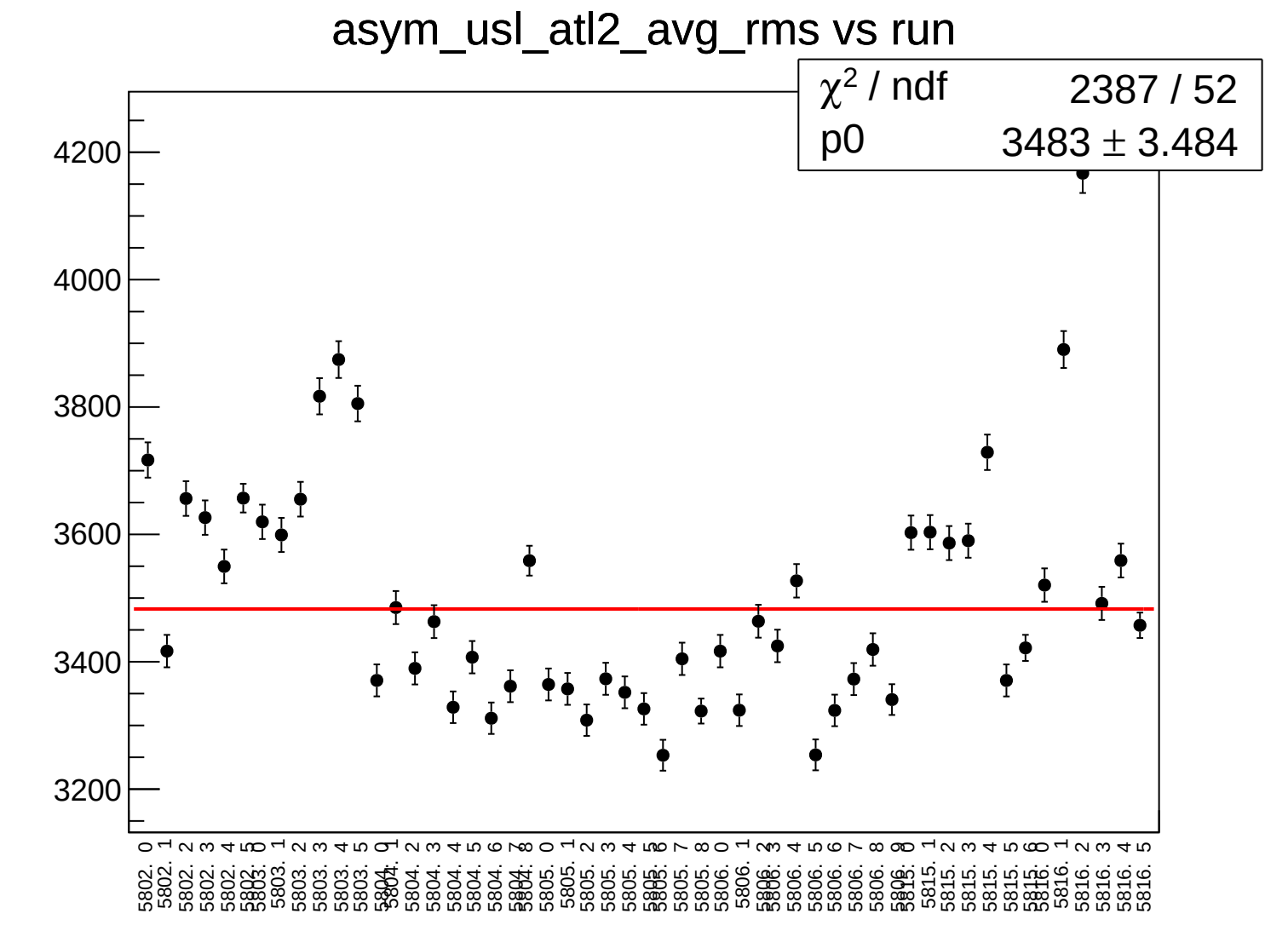

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.07 / 52
p0 −2370 ± 4574
×10³
150
100
50
0
−50
−100
pull
Entries 53
Mean −55.42
Std Dev 0
3
2
1
0
−1
−2

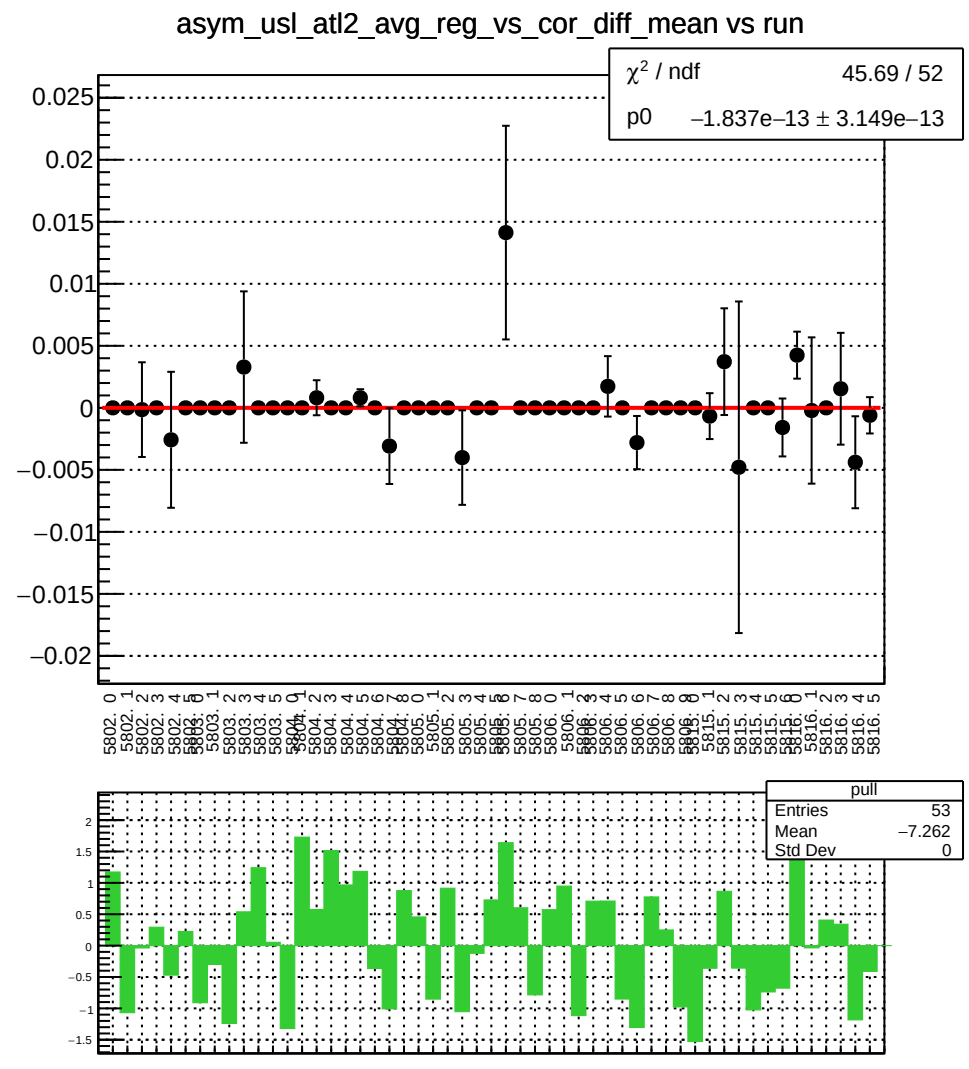

pull1D
Entries 53
Mean 0.02528
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

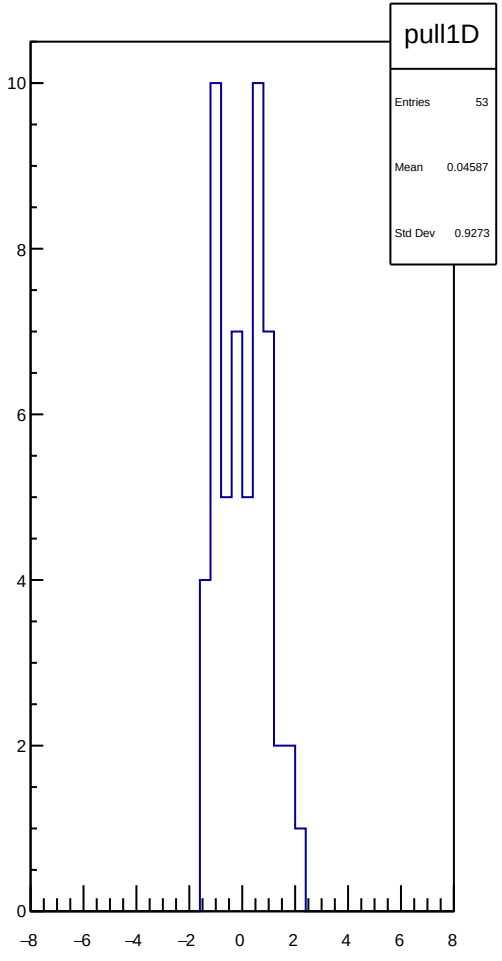

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3956 / 52
p0 3230 ± 3.234
4000
3800
3600
3400
3200
3000

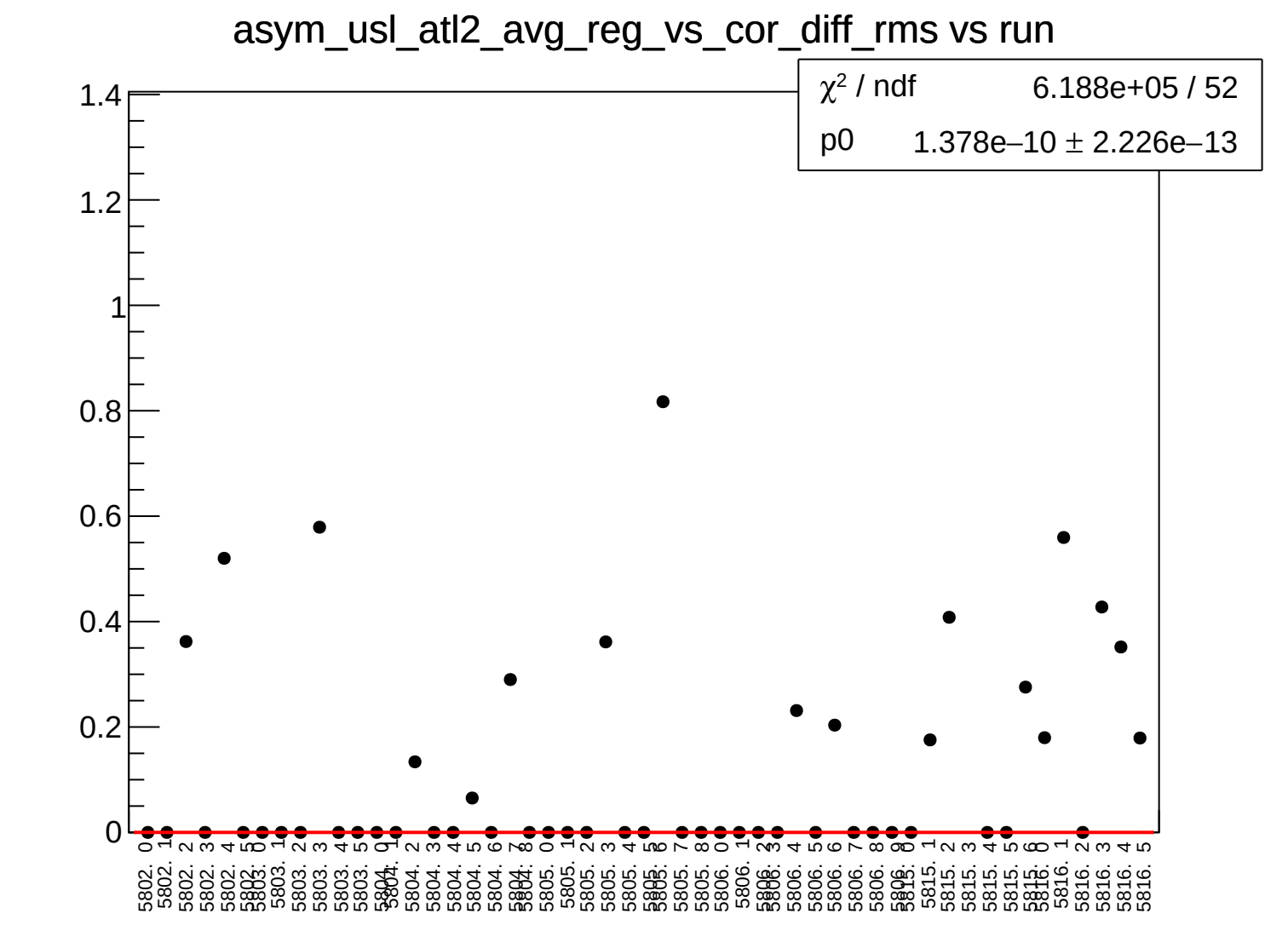

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 60.88 / 52
p0 4395 ± 4928
100
50
0
−50
−100
−150
pull
Entries 53
Mean −119
Std Dev 0
2
1
0
−1
−2
−3

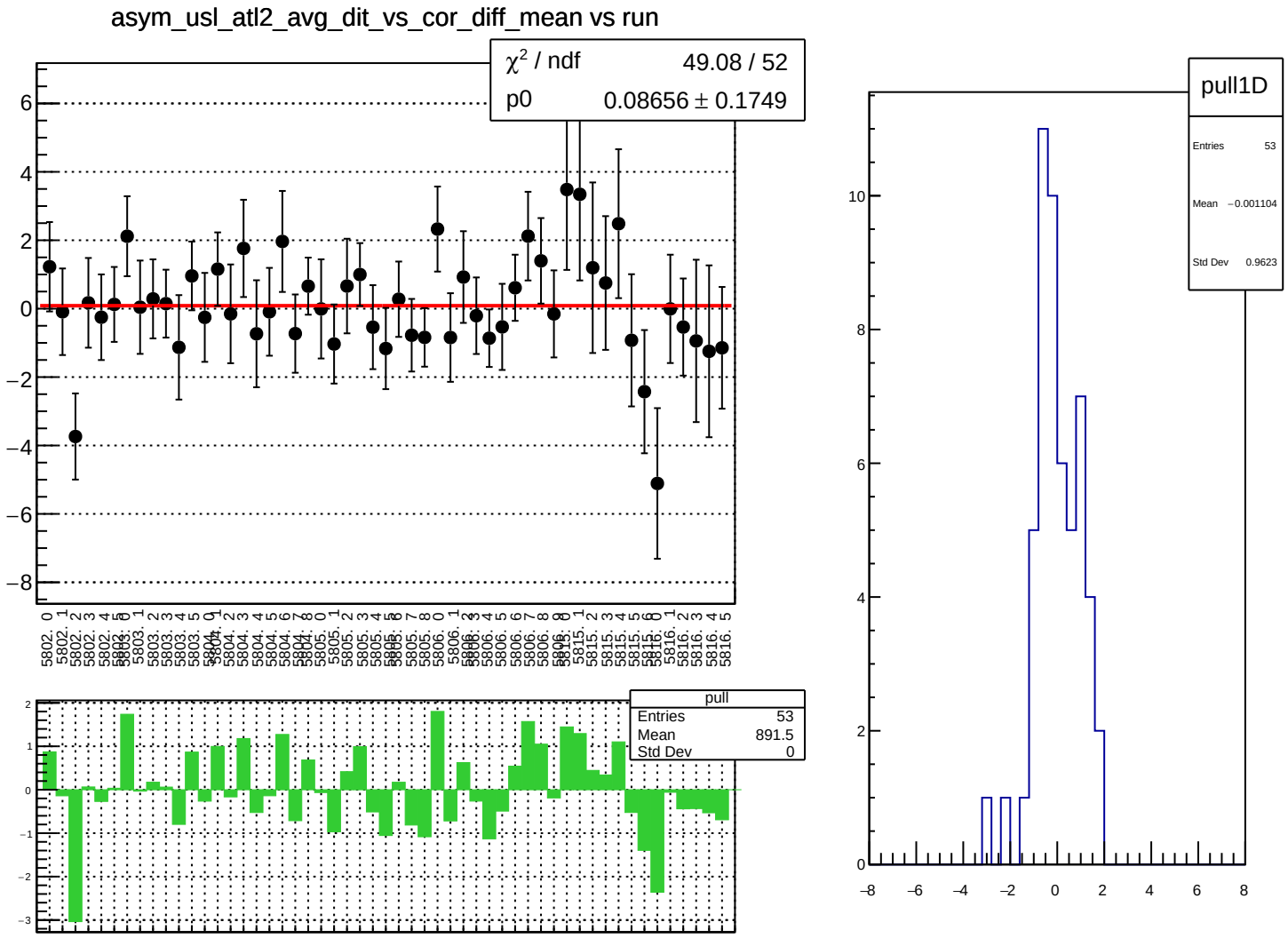

pull1D
Entries 53
Mean −0.01616
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

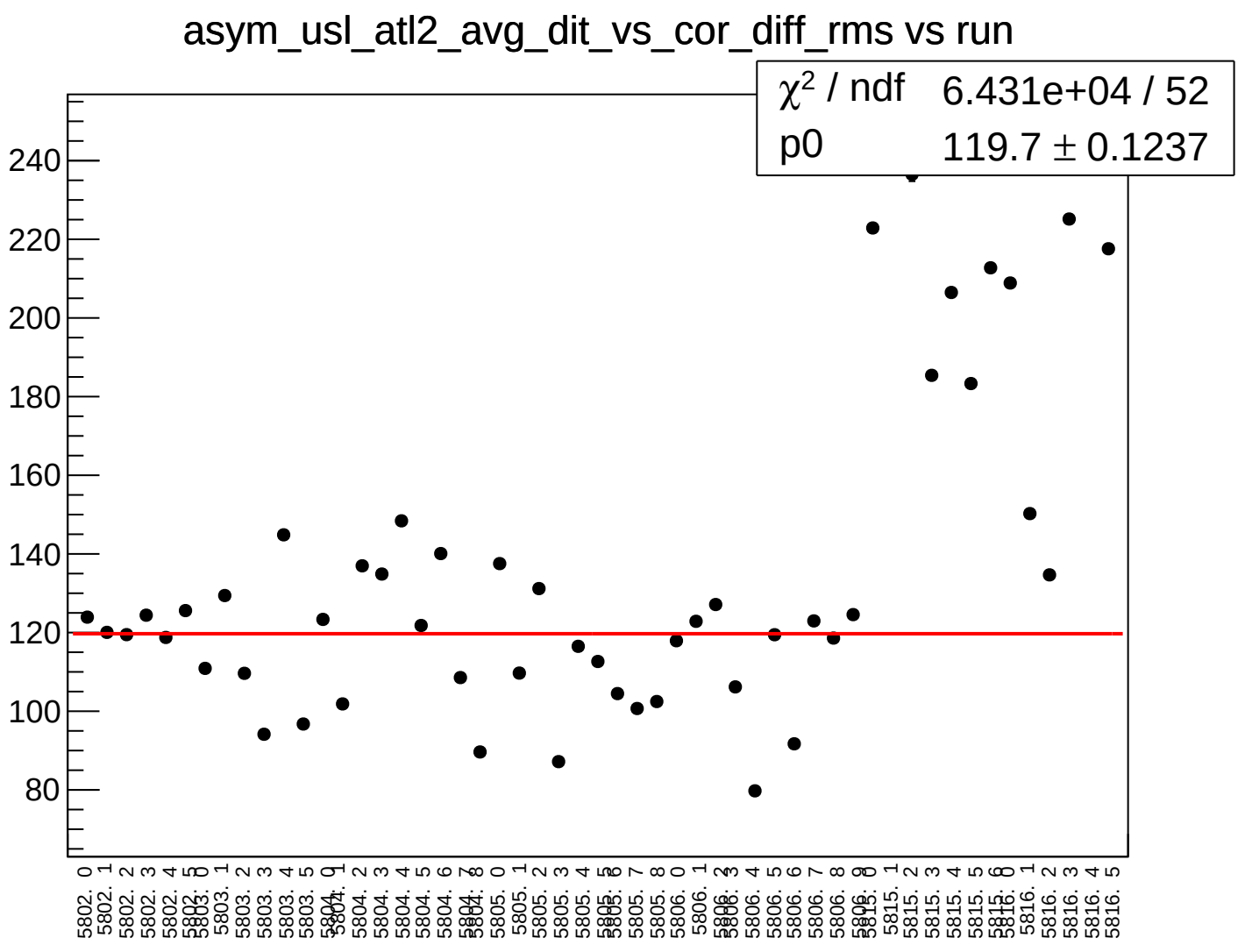

asym_usl_atl2_avg_rms vs run
χ² / ndf 2387 / 52
p0 3483 ± 3.484
4200
4000
3800
3600
3400
3200


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.69 / 52
p0 −1.837e−13 ± 3.149e−13
pull
Entries 53
Mean −7.262
Std Dev 0


pull1D
Entries 53
Mean 0.04587
Std Dev 0.9273


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.188e+05 / 52
p0 1.378e−10 ± 2.226e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.08 / 52
p0 0.08656 ± 0.1749
pull
Entries 53
Mean 891.5
Std Dev 0
pull1D
Entries 53
Mean −0.001104
Std Dev 0.9623


asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.431e+04 / 52
p0 119.7 ± 0.1237
240
220
200
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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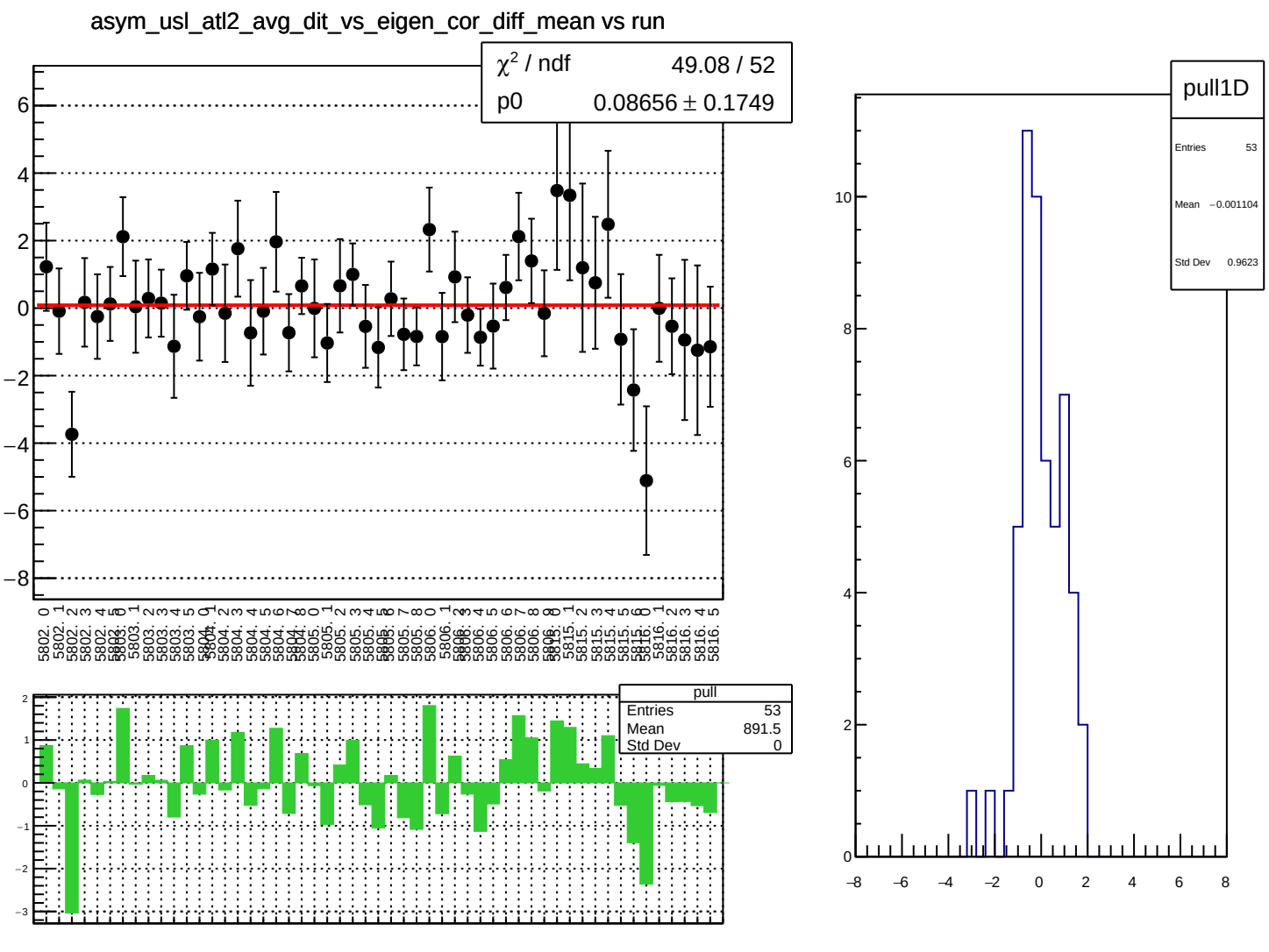
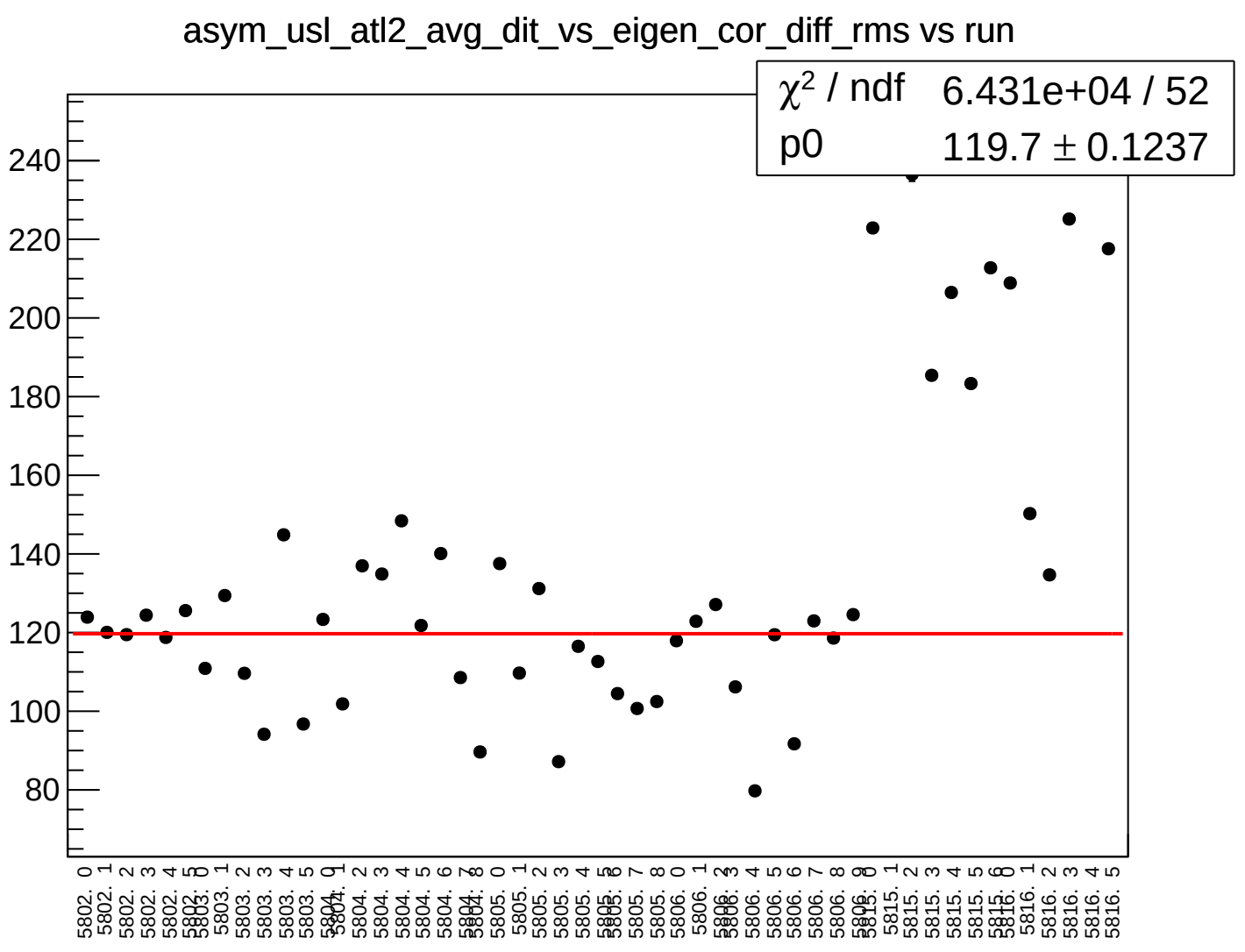
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.08 / 52
p0 0.08656 ± 0.1749
pull
Entries 53
Mean 891.5
Std Dev 0
pull1D
Entries 53
Mean −0.001104
Std Dev 0.9623


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.431e+04 / 52
p0 119.7 ± 0.1237
240
220
200
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
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5806. 7
5806. 8
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5815. 3
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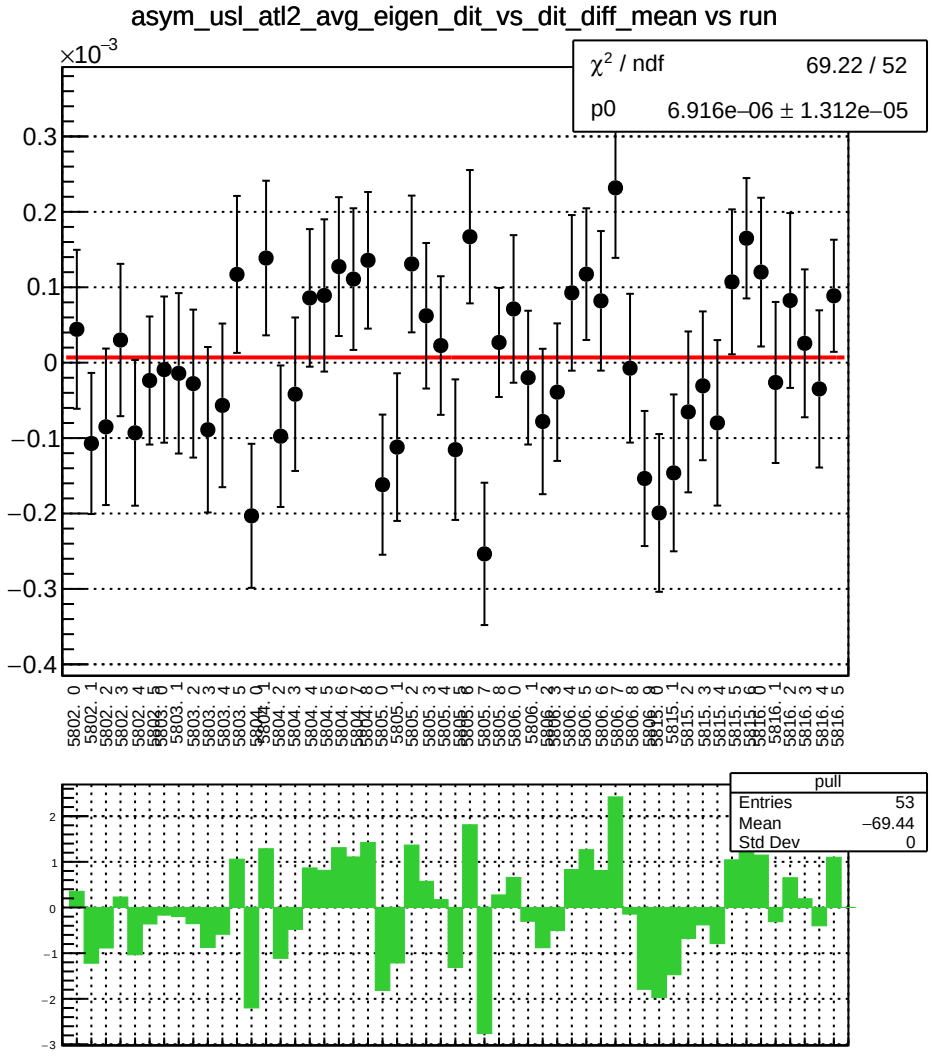
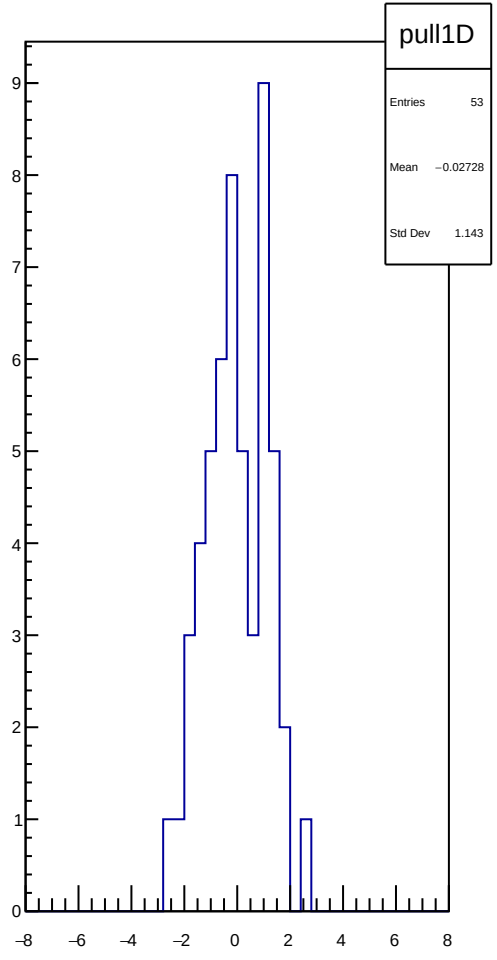
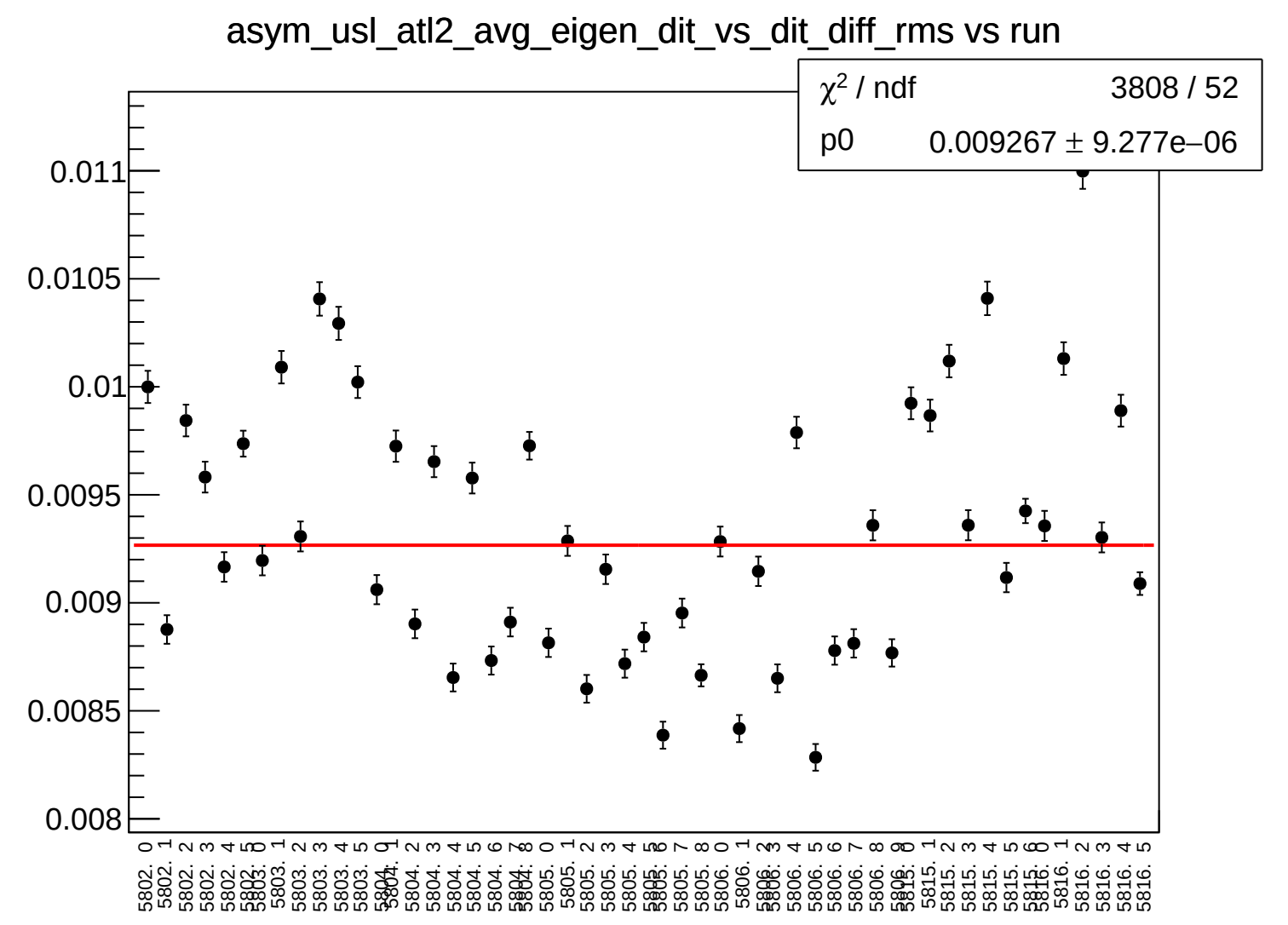
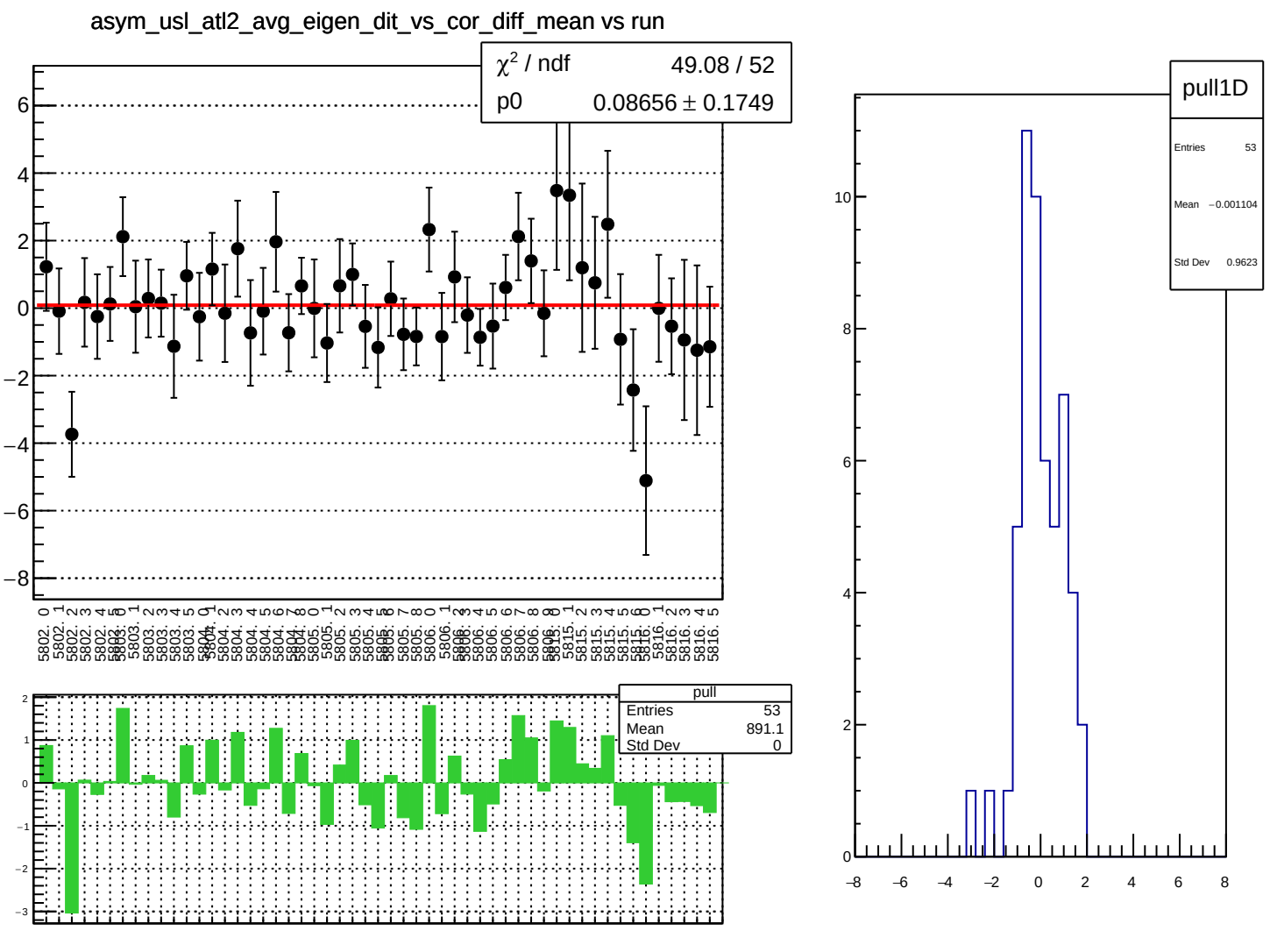
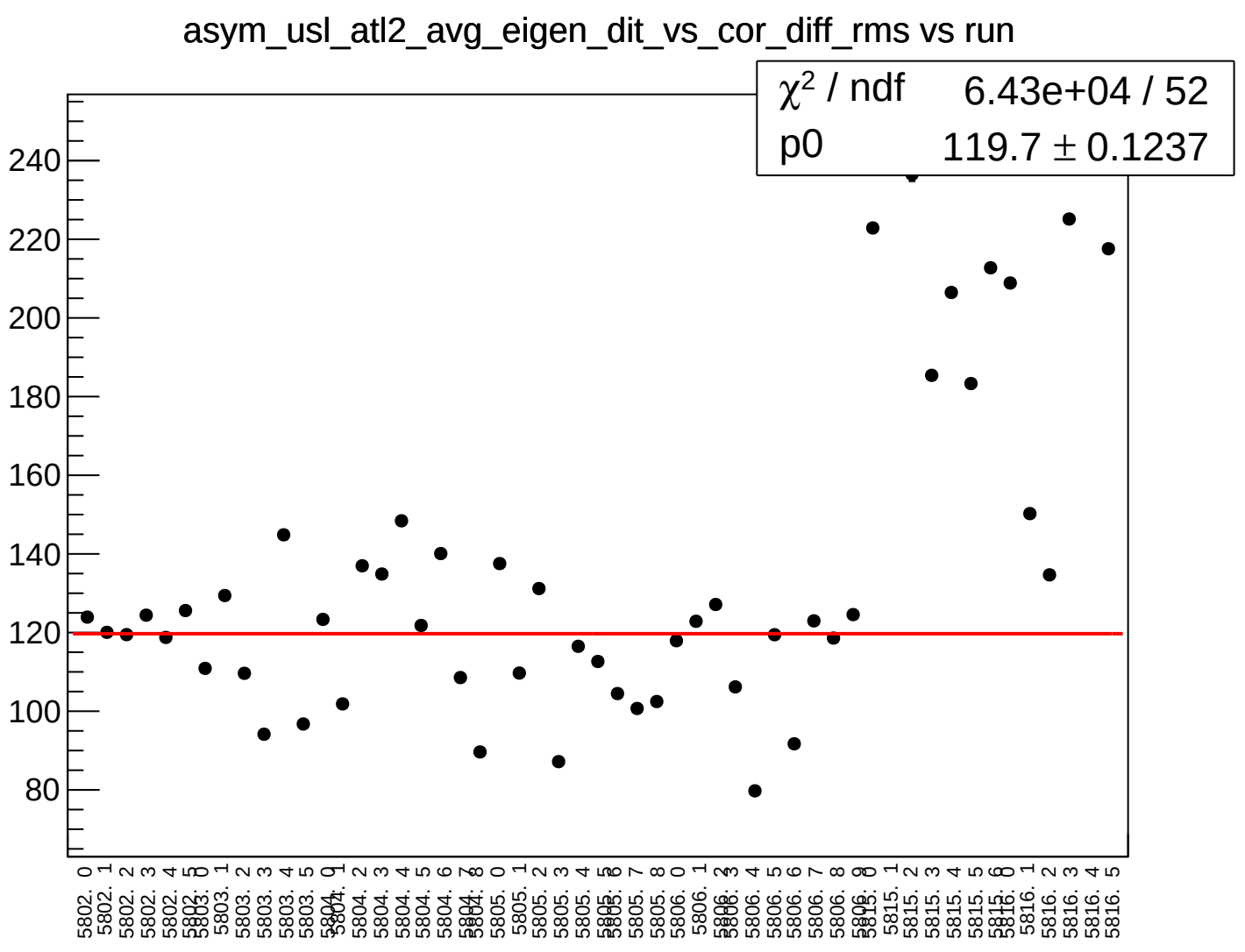
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

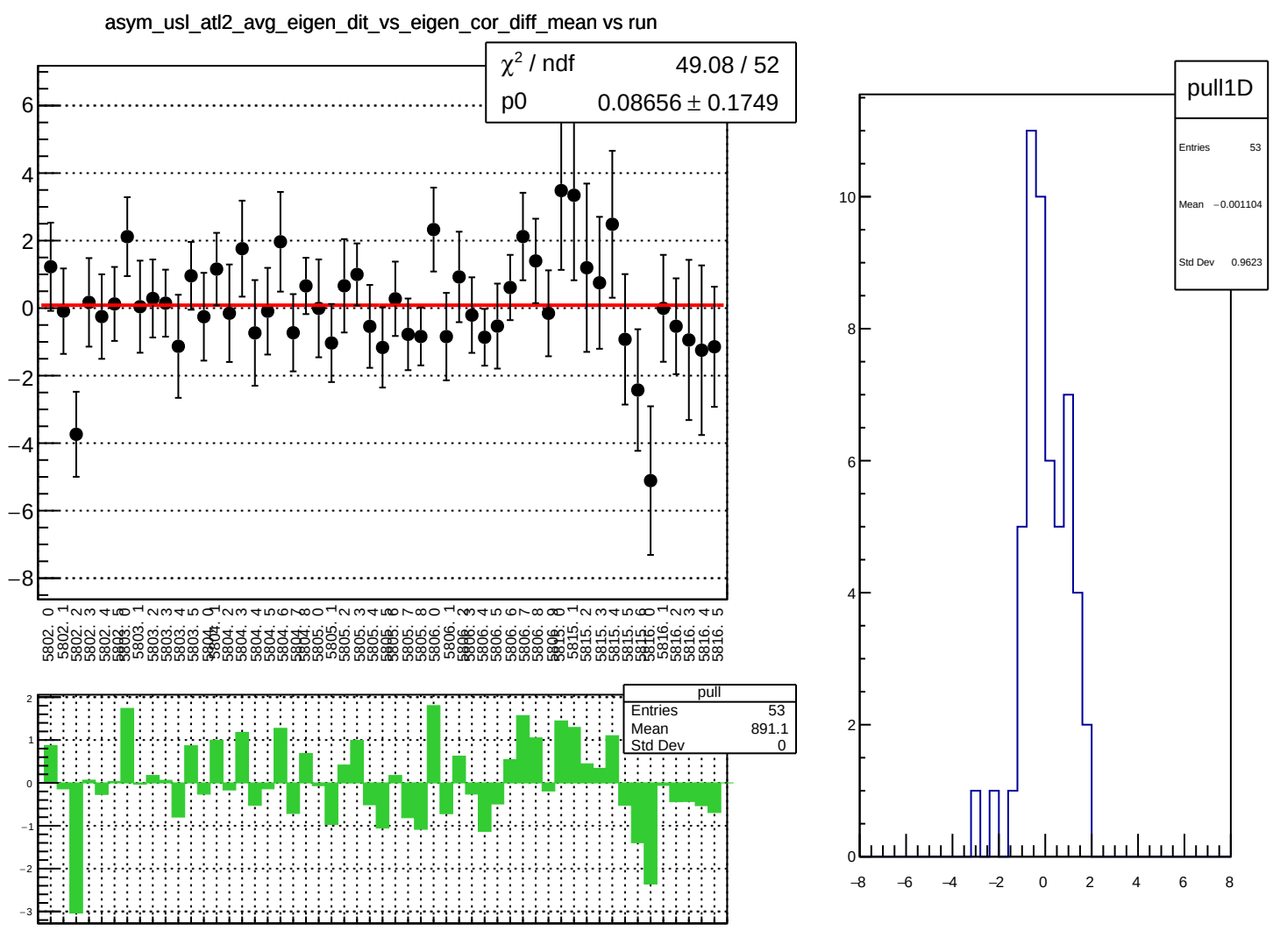

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.22 / 52
p0 6.916e−06 ± 1.312e−05
pull
Entries 53
Mean −69.44
Std Dev 0

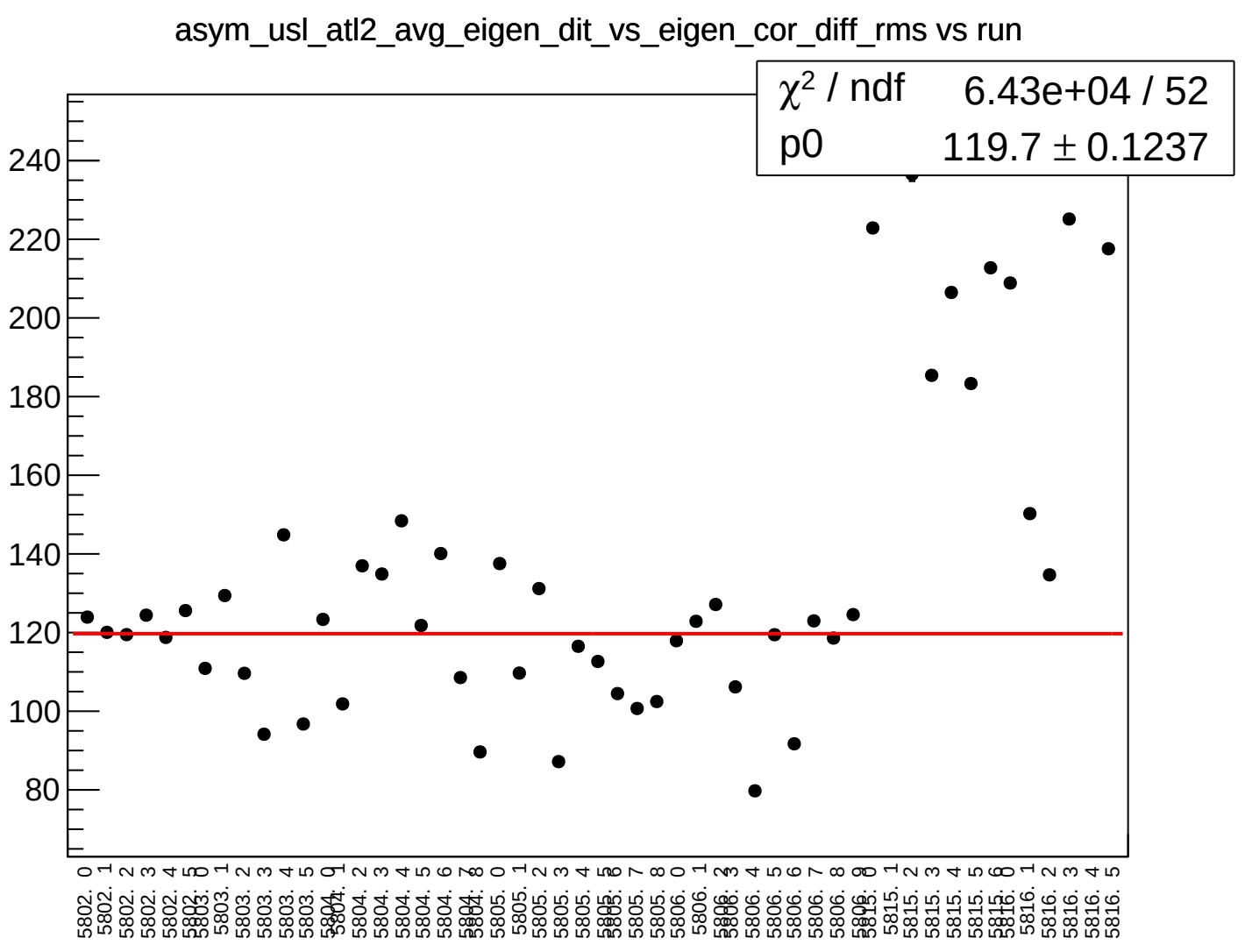

pull1D
Entries 53
Mean −0.02728
Std Dev 1.143


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3808 / 52
p0 0.009267 ± 9.277e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.08 / 52
p0 0.08656 ± 0.1749
pull
Entries 53
Mean 891.1
Std Dev 0
pull1D
Entries 53
Mean −0.001104
Std Dev 0.9623


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.43e+04 / 52
p0 119.7 ± 0.1237
240
220
200
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.08 / 52
p0 0.08656 ± 0.1749
pull
Entries 53
Mean 891.1
Std Dev 0
pull1D
Entries 53
Mean −0.001104
Std Dev 0.9623


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.43e+04 / 52
p0 119.7 ± 0.1237
240
220
200
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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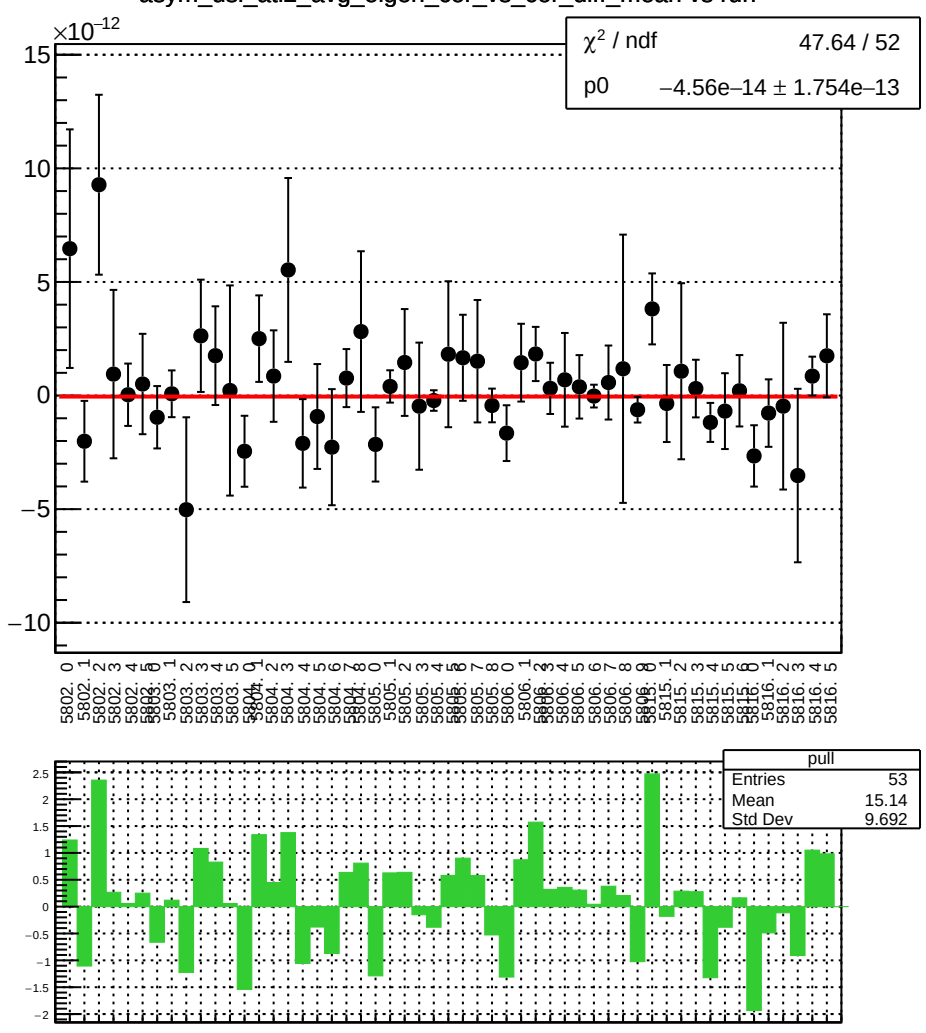
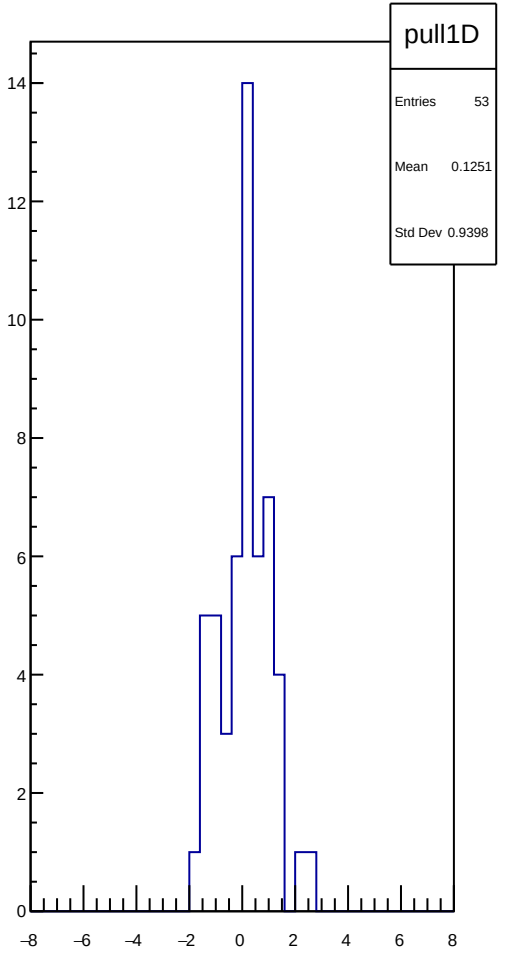
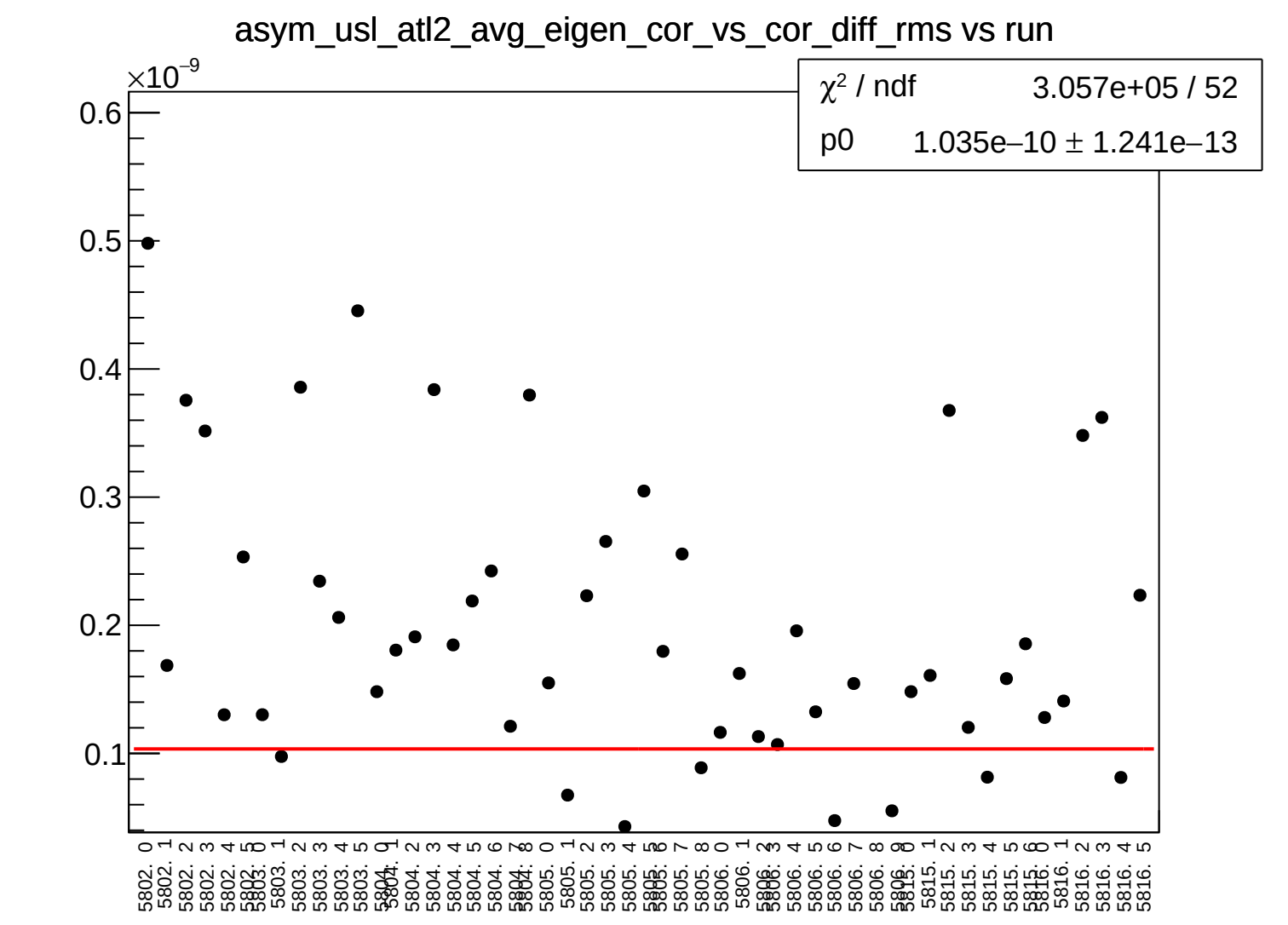
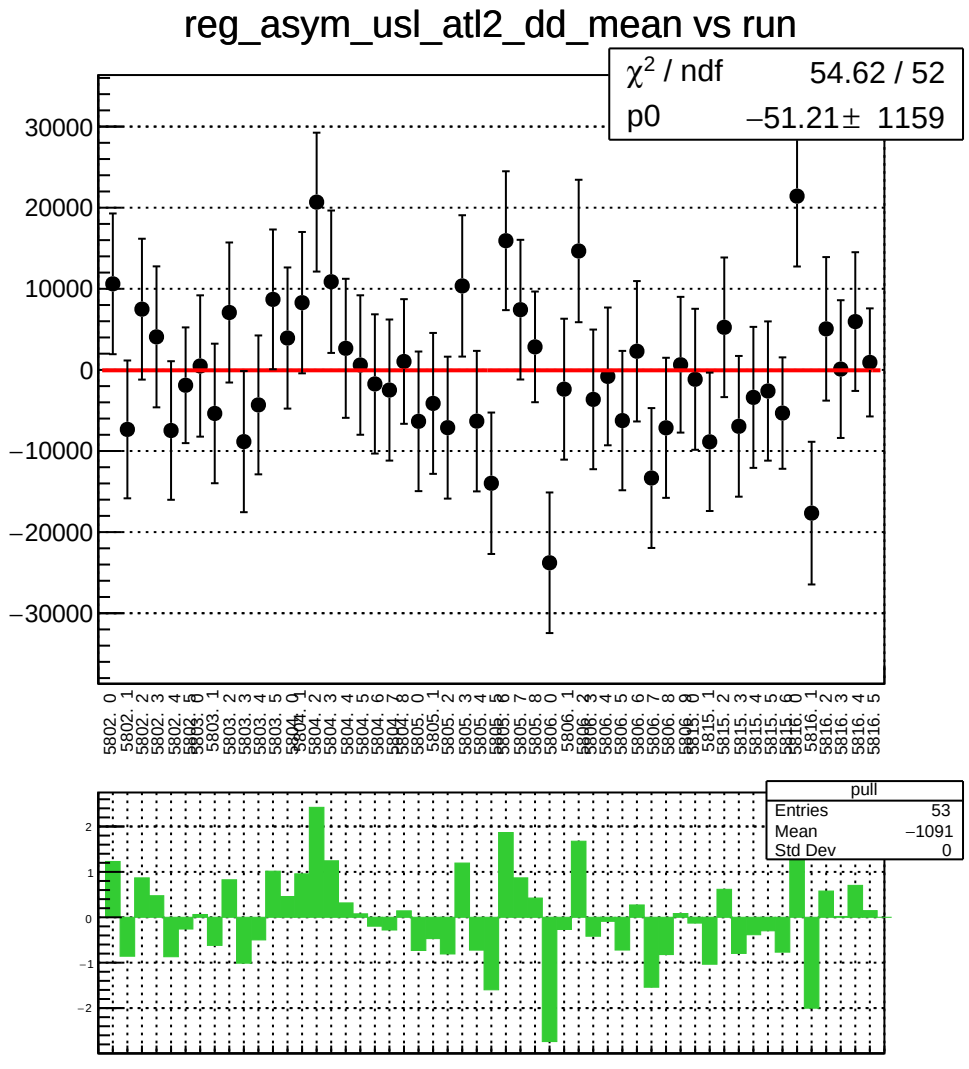
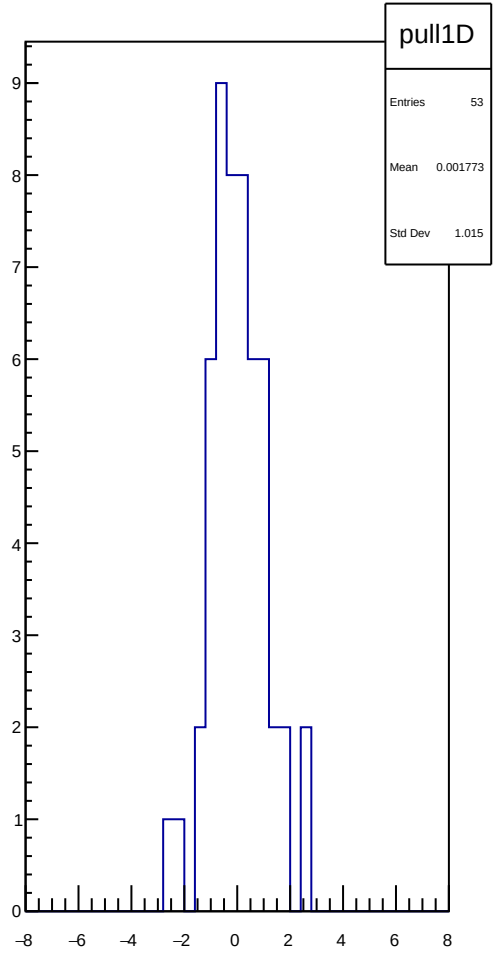
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

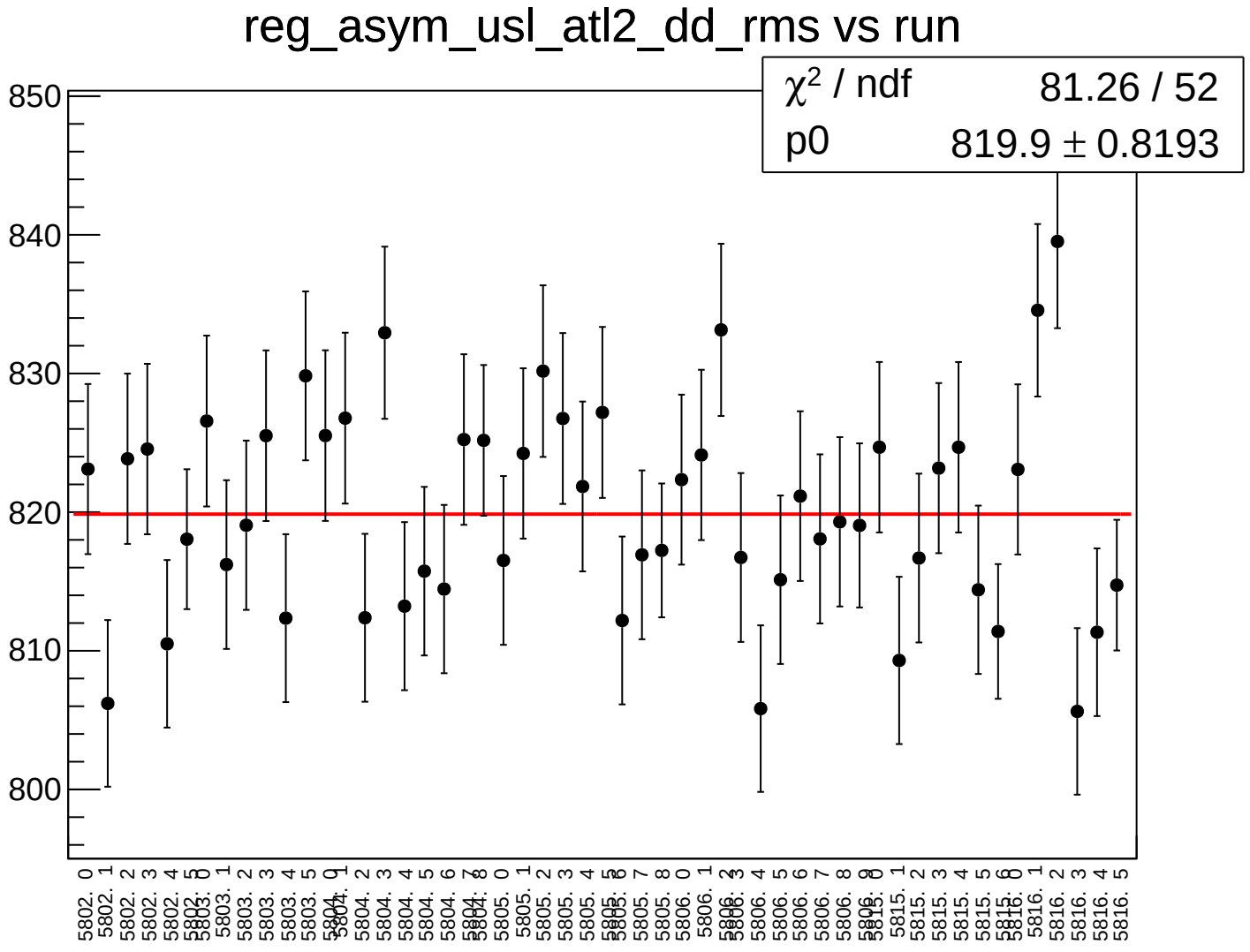

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.64 / 52
p0 −4.56e−14 ± 1.754e−13
pull
Entries 53
Mean 15.14
Std Dev 9.692


pull1D
Entries 53
Mean 0.1251
Std Dev 0.9398


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.057e+05 / 52
p0 1.035e−10 ± 1.241e−13
0.6
0.5
0.4
0.3
0.2
0.1


reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 54.62 / 52
p0 −51.21± 1159
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −1091
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.001773
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 81.26 / 52
p0 819.9 ± 0.8193
850
840
830
820
810
800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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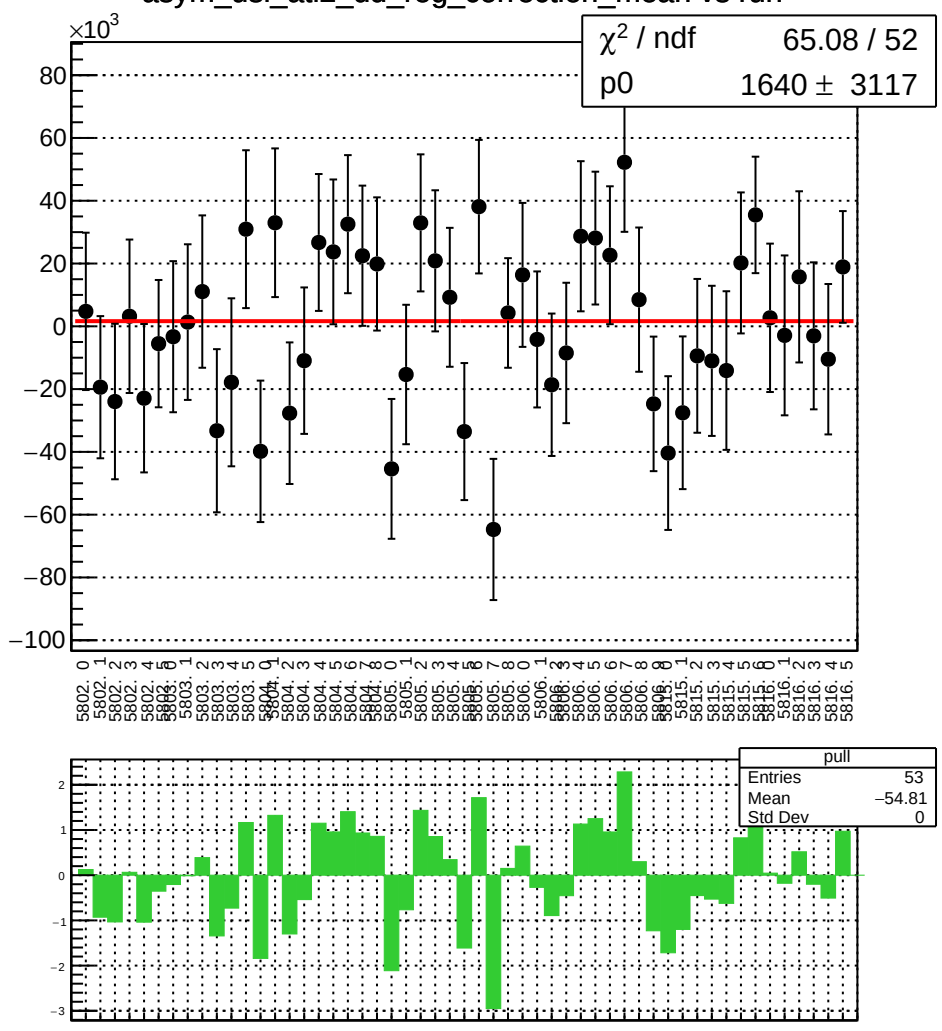
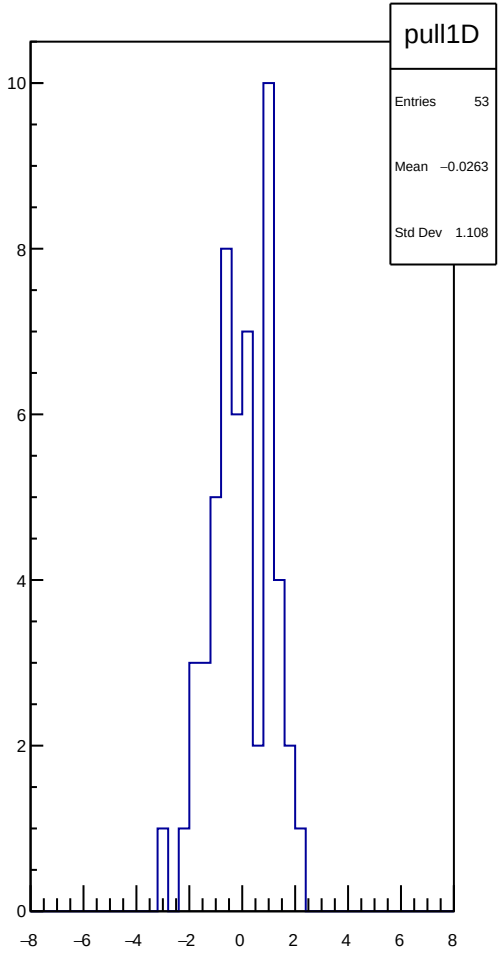
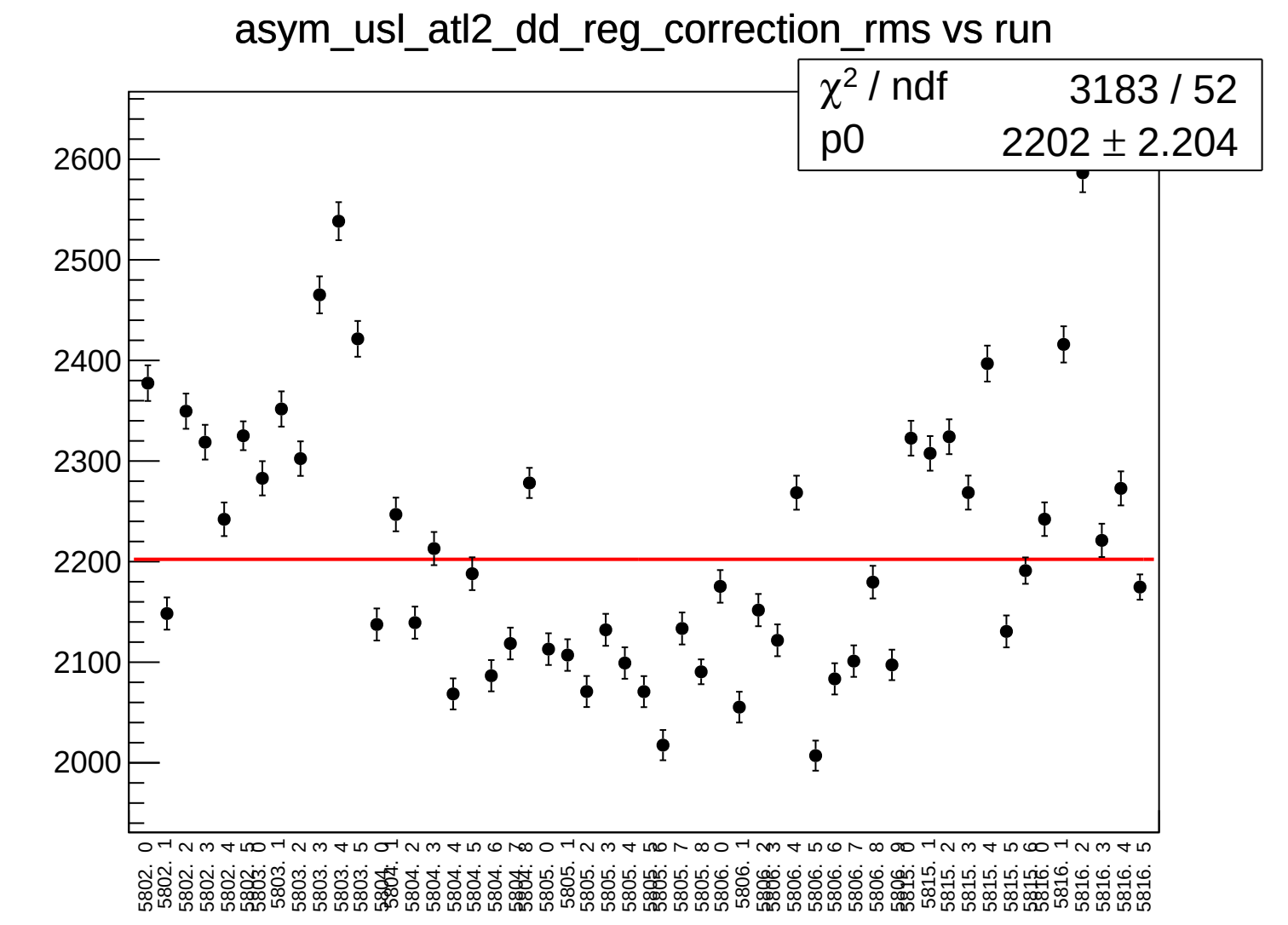
5816. 5


asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 65.08 / 52
p0 1640 ± 3117
pull
Entries 53
Mean −54.81
Std Dev 0


pull1D
Entries 53
Mean −0.0263
Std Dev 1.108


asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 3183 / 52
p0 2202 ± 2.204
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
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5806. 4
5806. 5
5806. 6
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5815. 4
5815. 5
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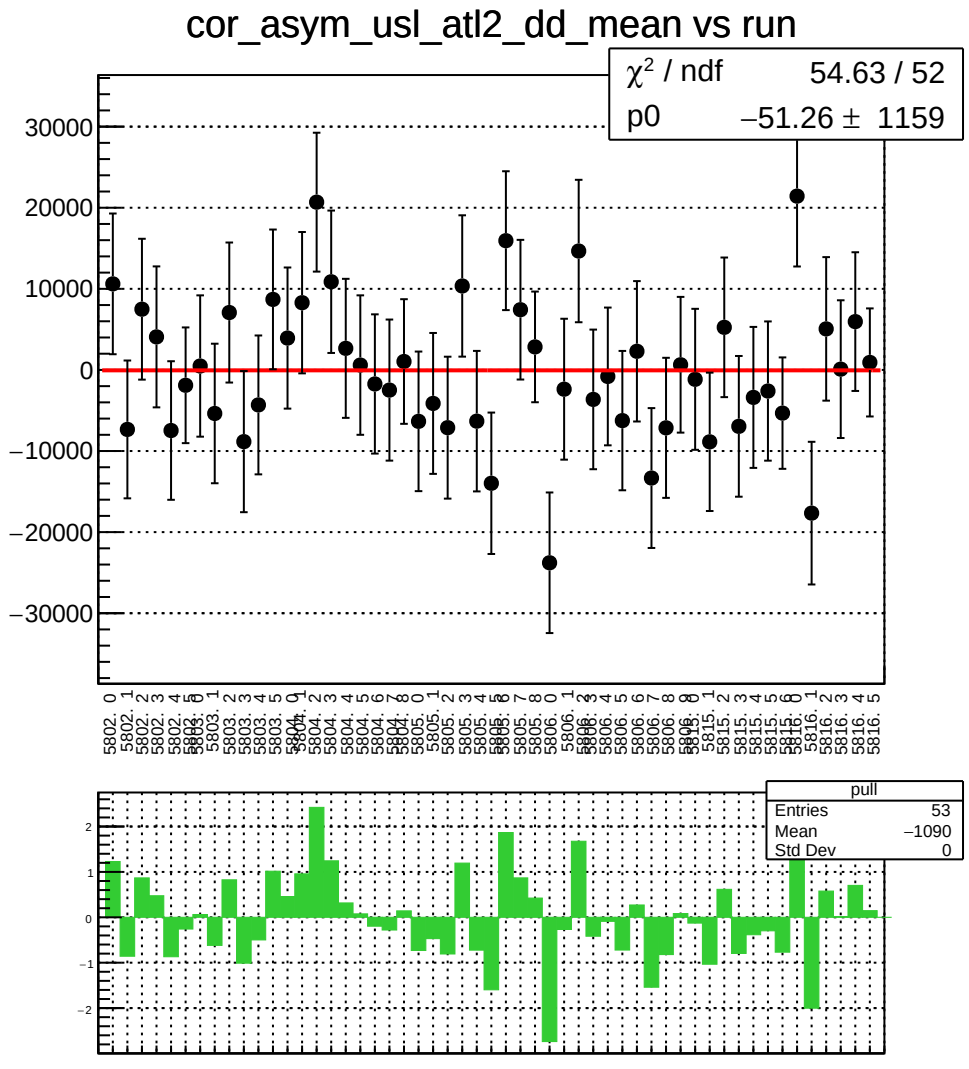
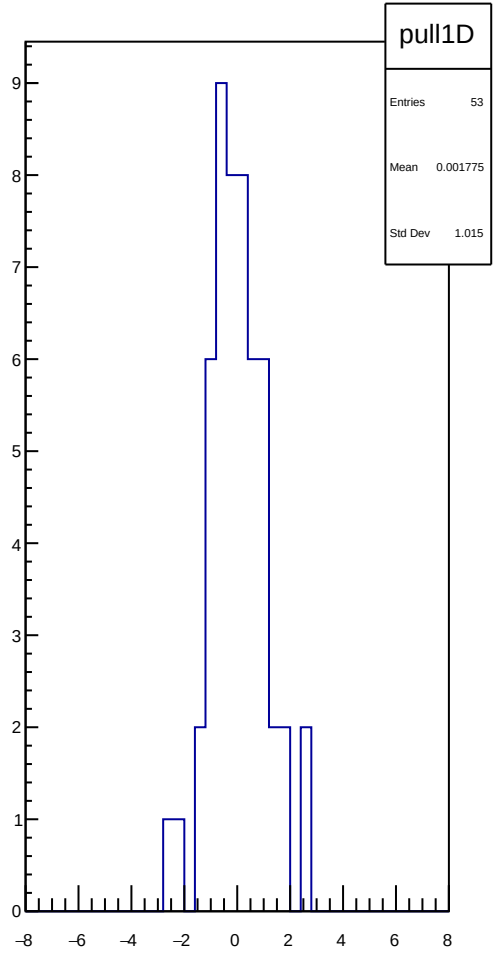
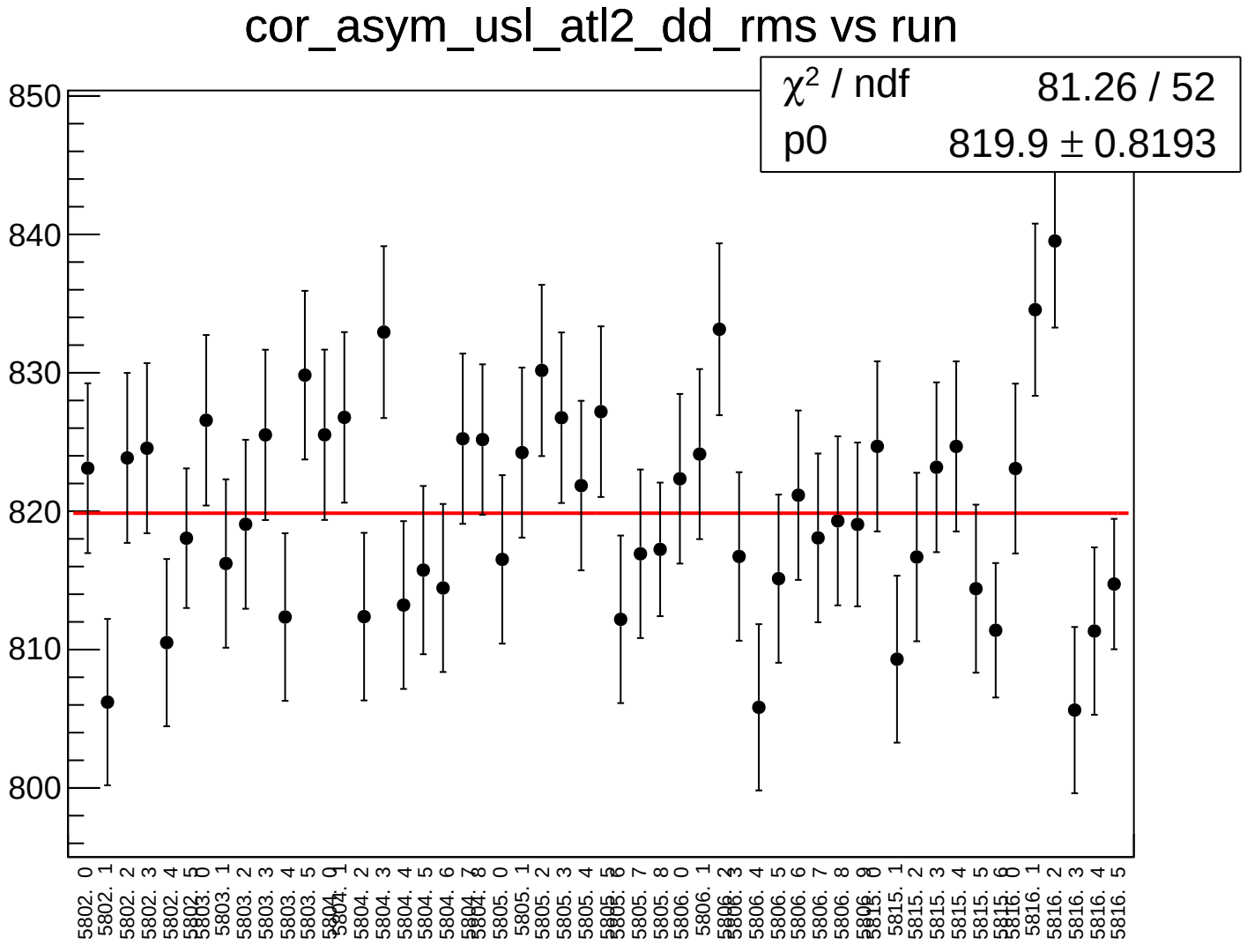
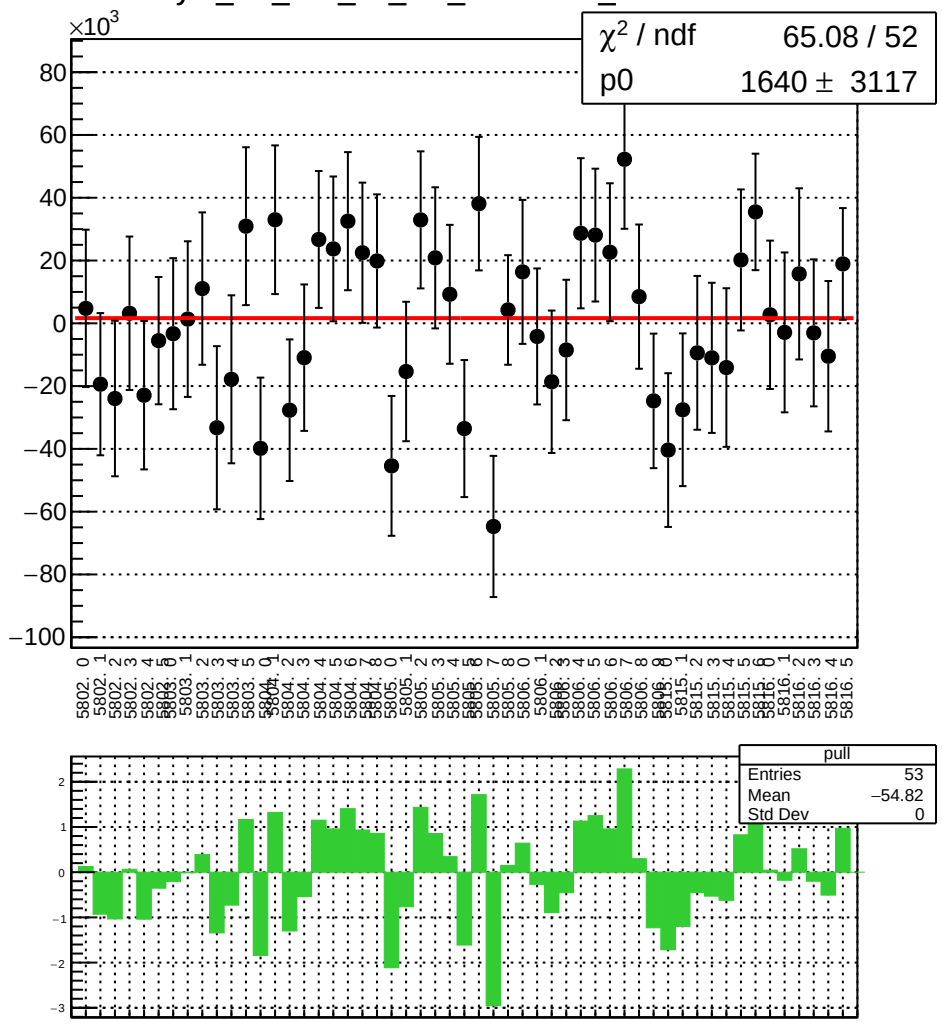
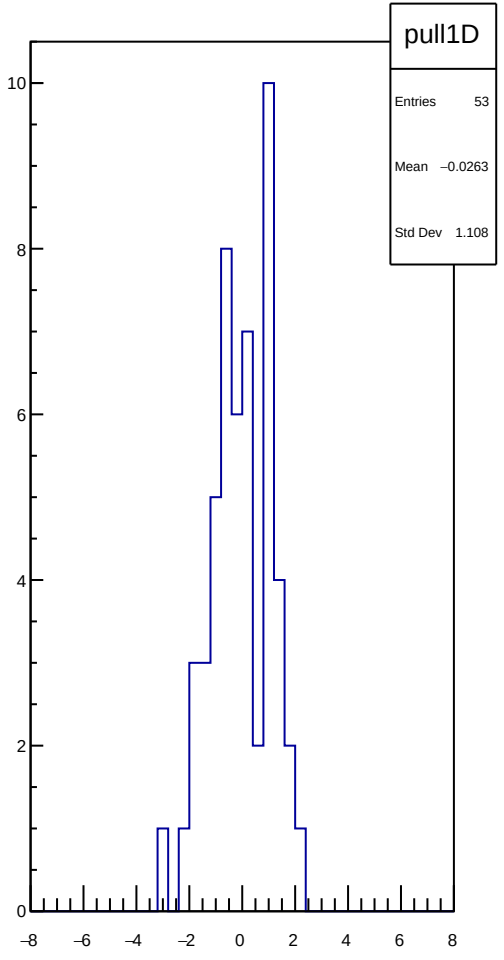
5816. 4
5816. 5

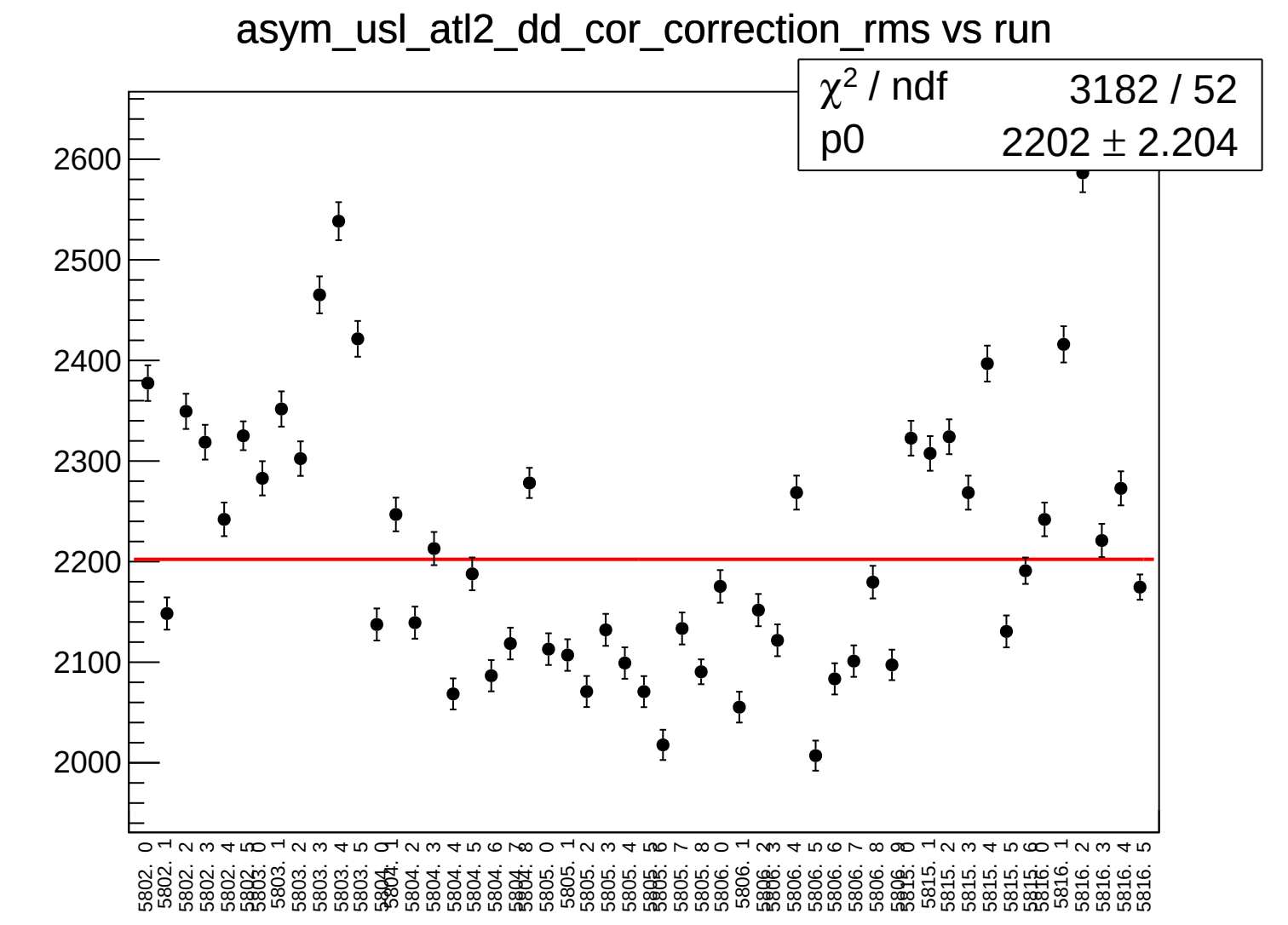

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 54.63 / 52
p0 −51.26 ± 1159
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −1090
Std Dev 0
2
1
0
−1
−2

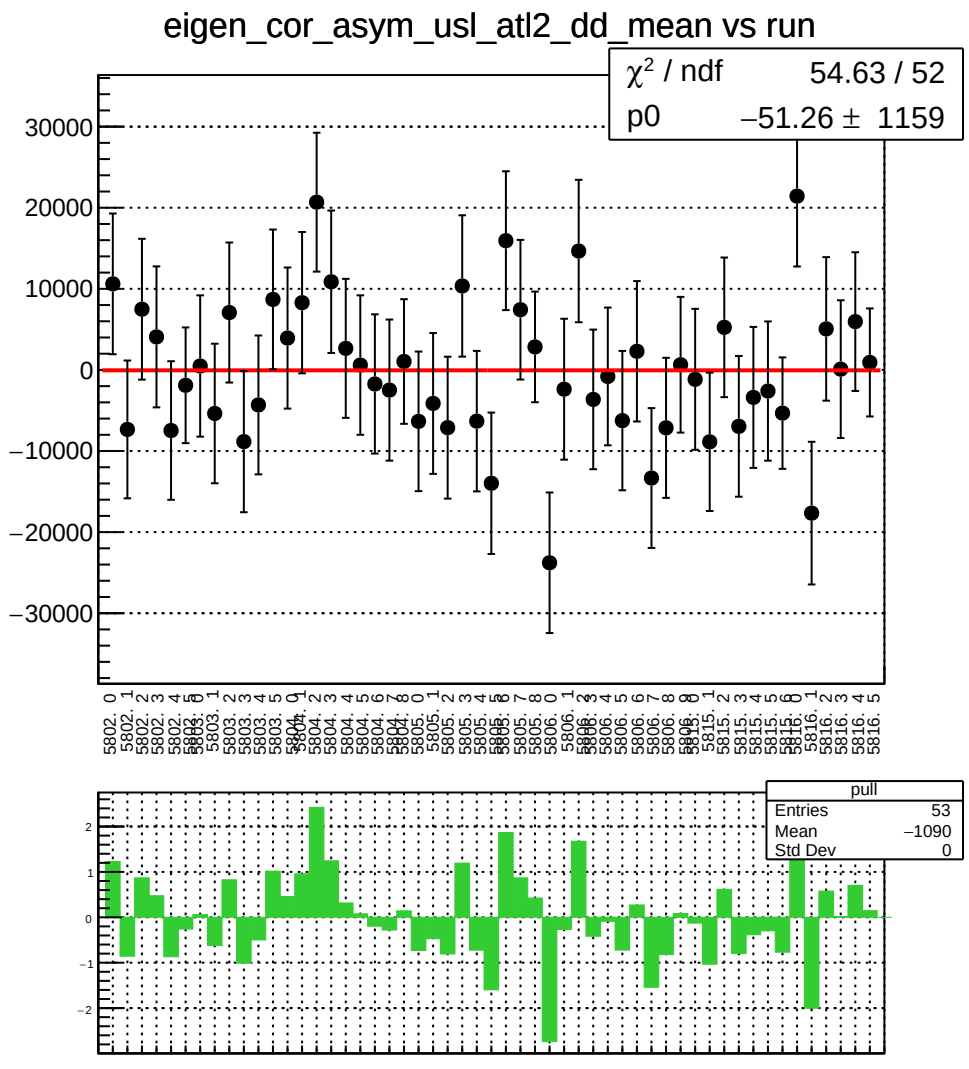

pull1D
Entries 53
Mean 0.001775
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

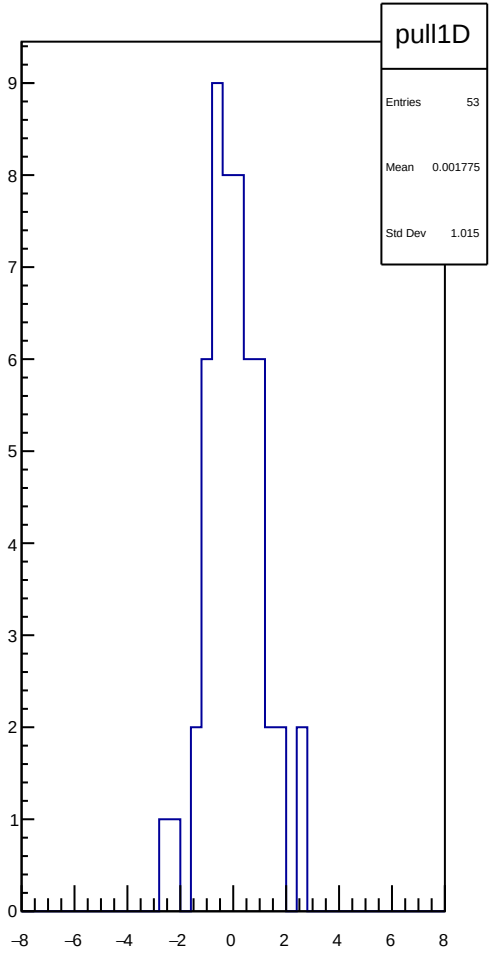

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 81.26 / 52
p0 819.9 ± 0.8193
850
840
830
820
810
800

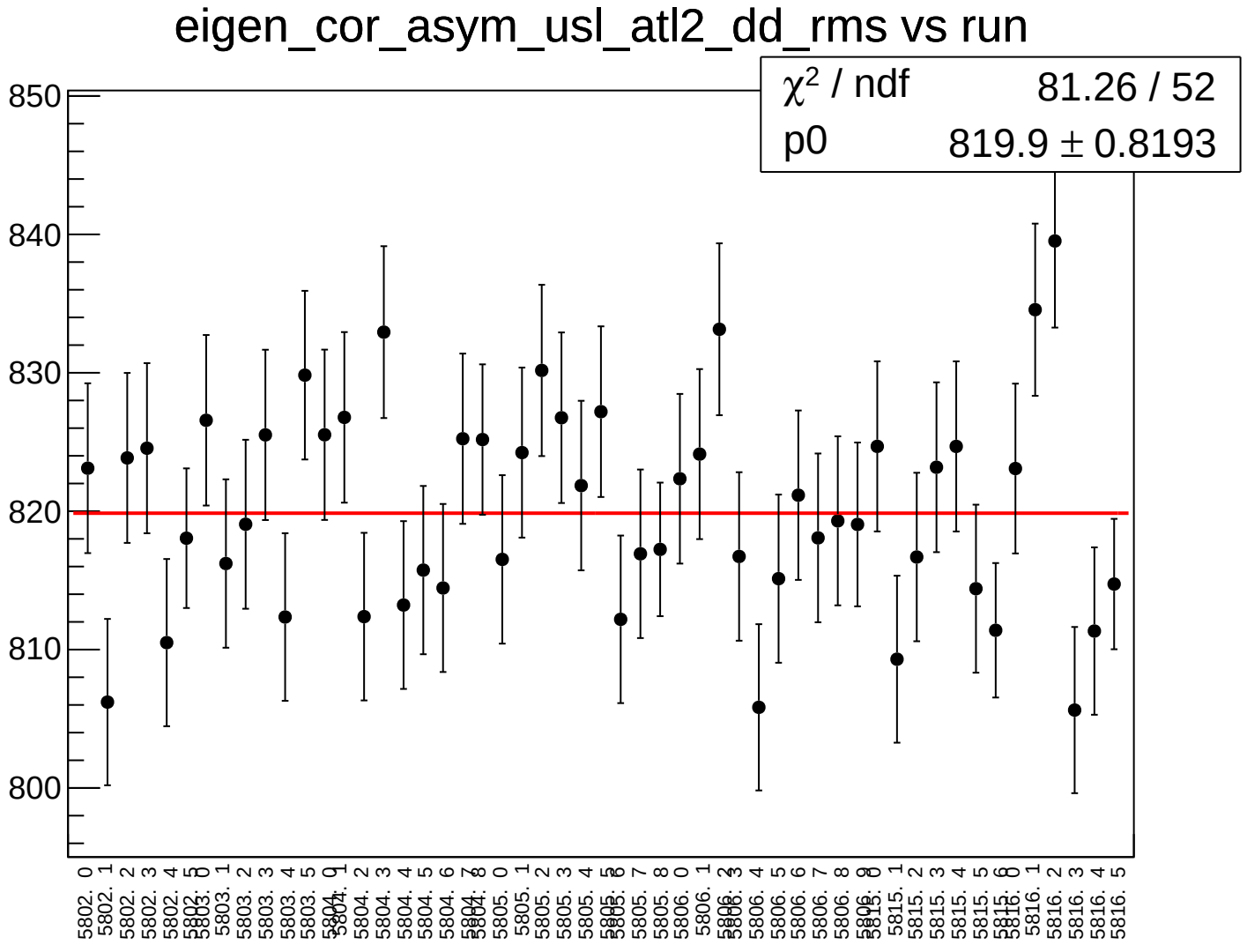

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 65.08 / 52
p0 1640 ± 3117
pull
Entries 53
Mean −54.82
Std Dev 0

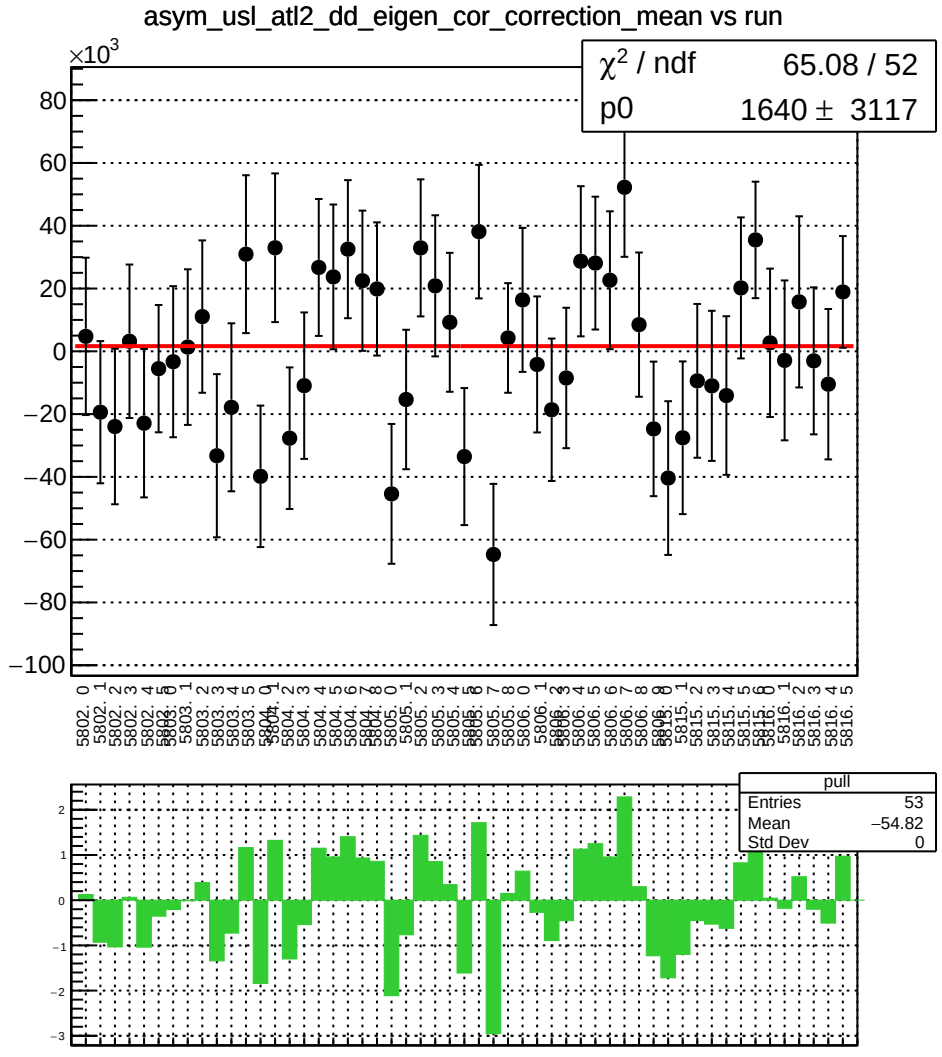

pull1D
Entries 53
Mean −0.0263
Std Dev 1.108

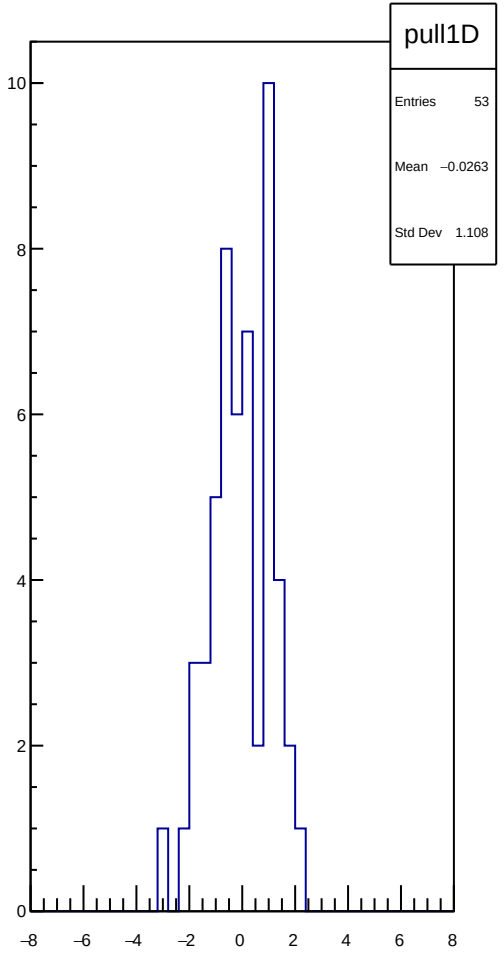

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 3182 / 52
p0 2202 ± 2.204
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

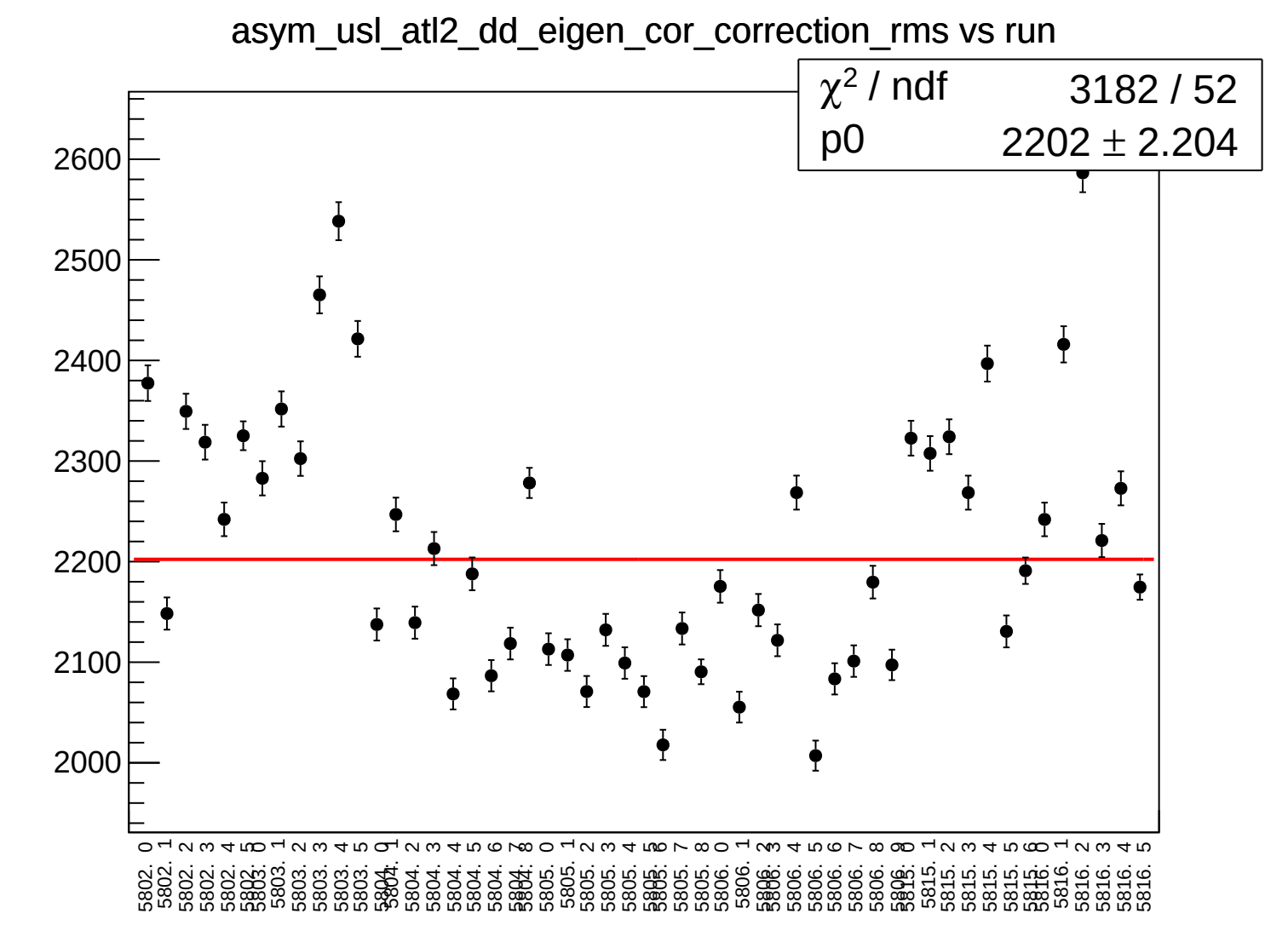

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 54.63 / 52
p0 −51.26 ± 1159
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −1090
Std Dev 0
2
1
0
−1
−2

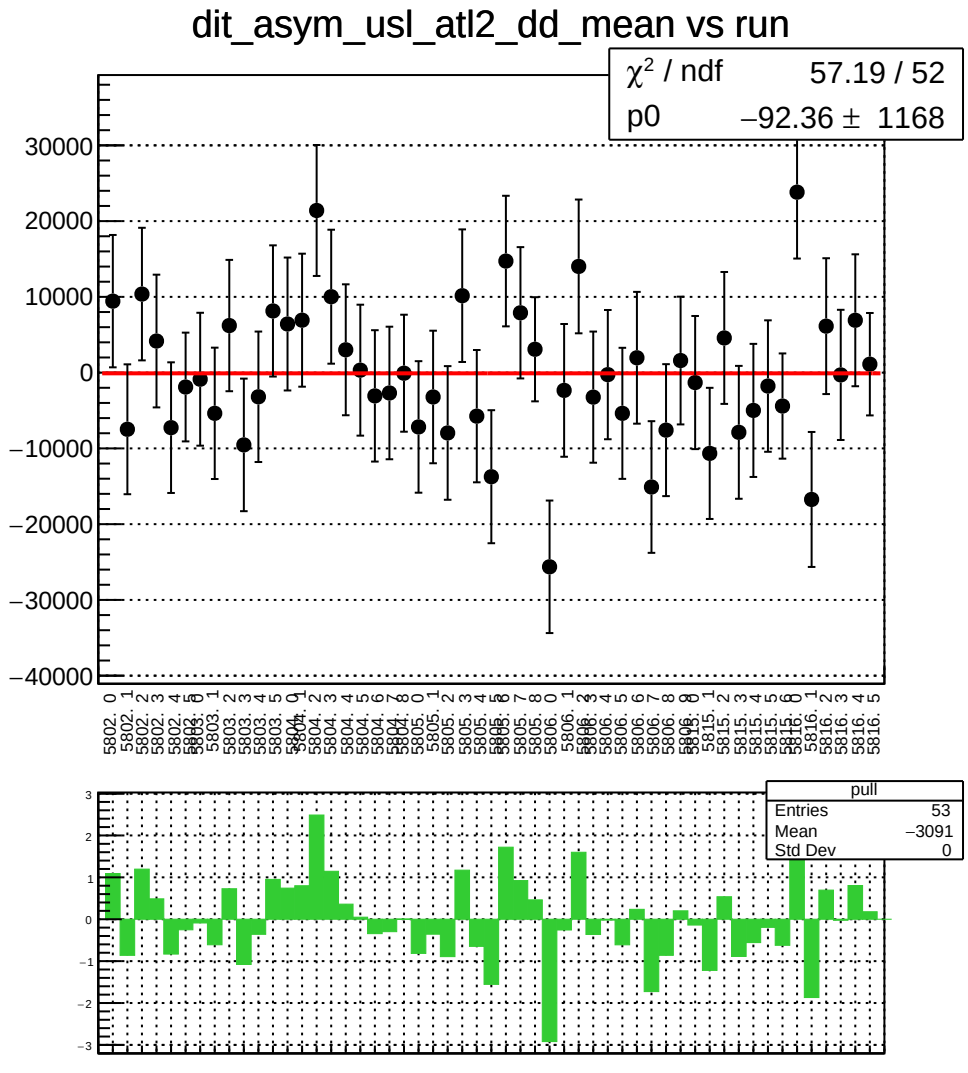

pull1D
Entries 53
Mean 0.001775
Std Dev 1.015
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

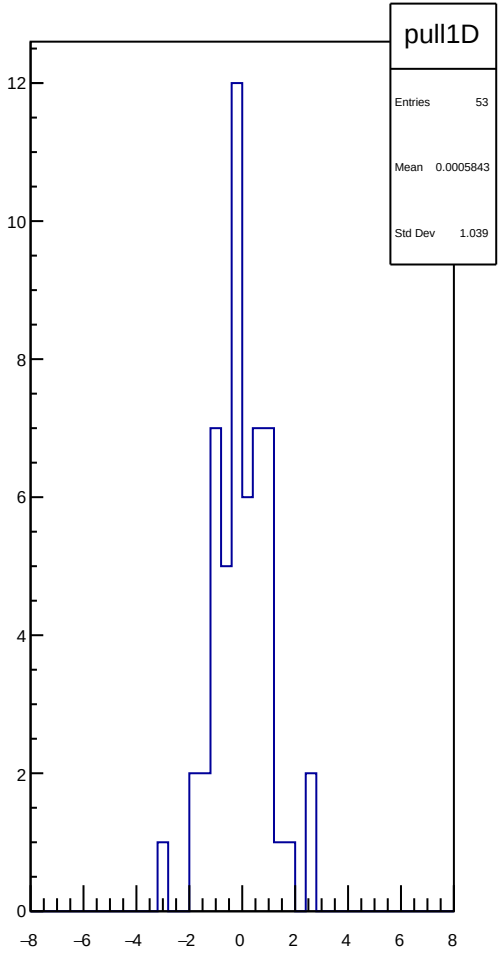

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 81.26 / 52
p0 819.9 ± 0.8193
850
840
830
820
810
800

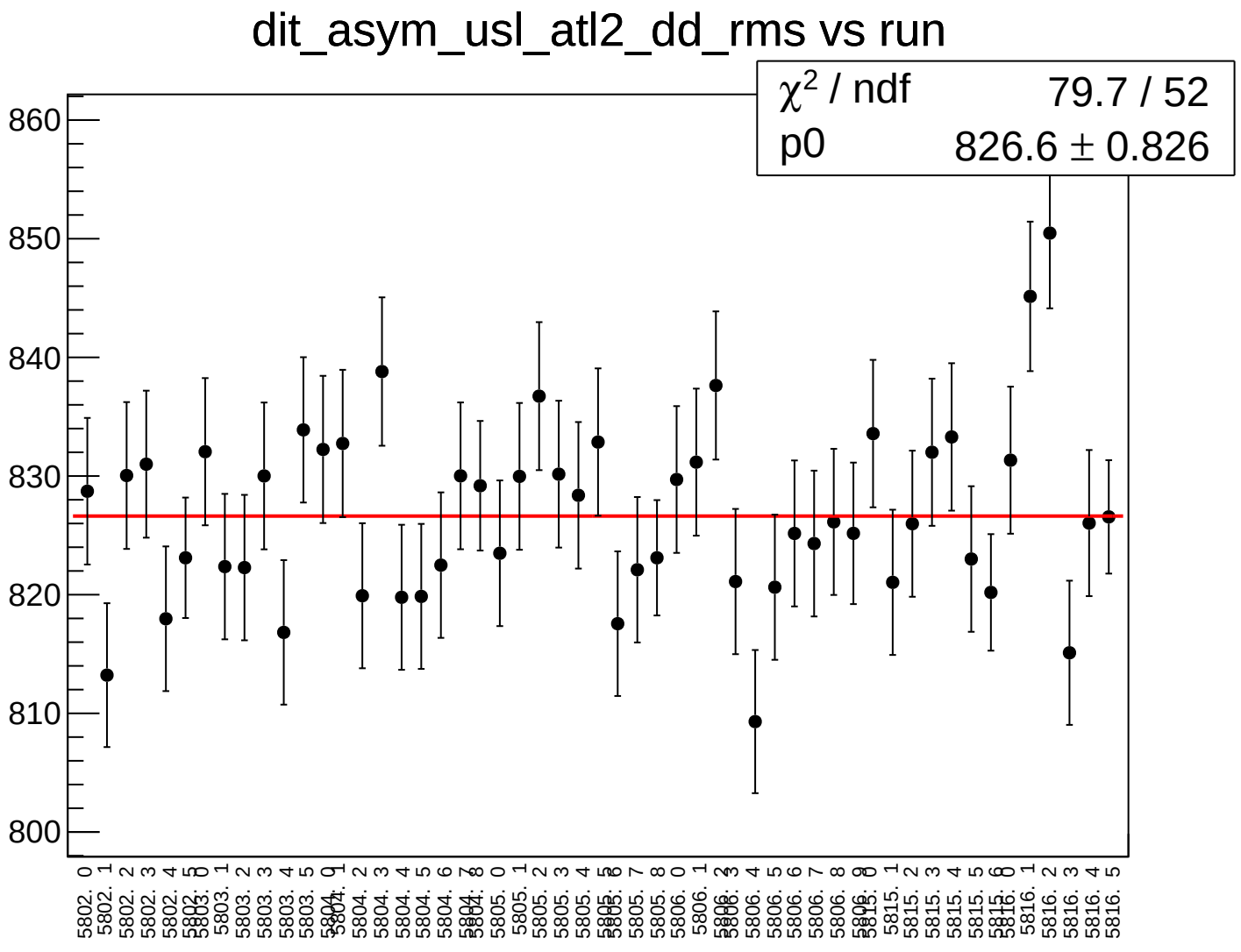

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.08 / 52
p0 1640 ± 3117
pull
Entries 53
Mean −54.82
Std Dev 0


pull1D
Entries 53
Mean −0.0263
Std Dev 1.108


asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3182 / 52
p0 2202 ± 2.204
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.19 / 52
p0 −92.36 ± 1168
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −3091
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.0005843
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 79.7 / 52
p0 826.6 ± 0.826
860
850
840
830
820
810
800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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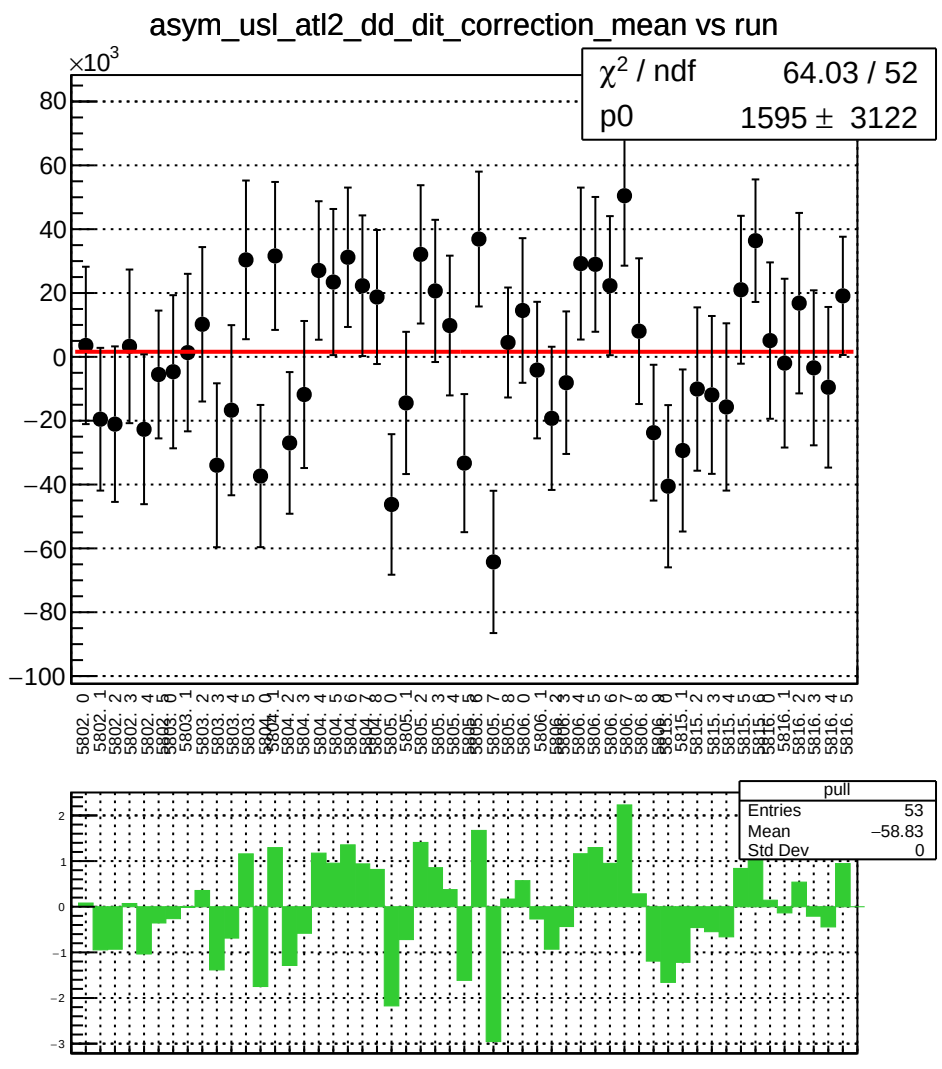
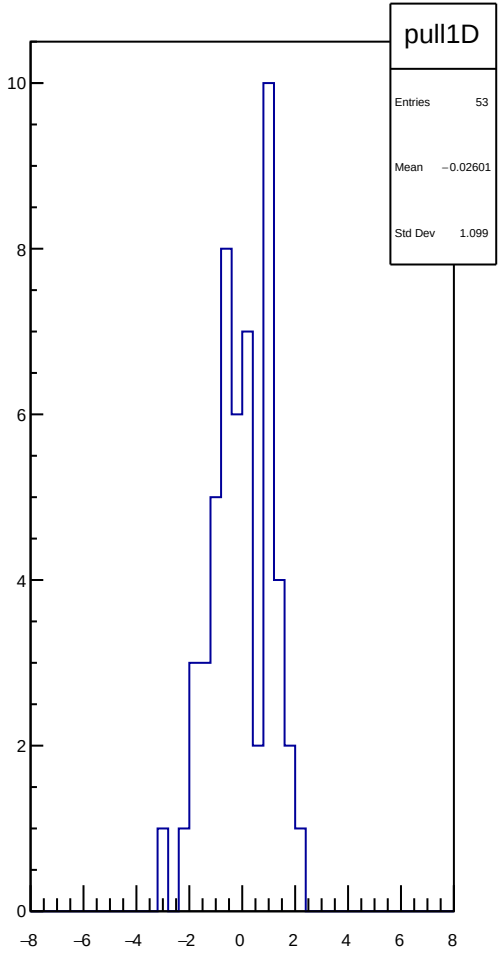
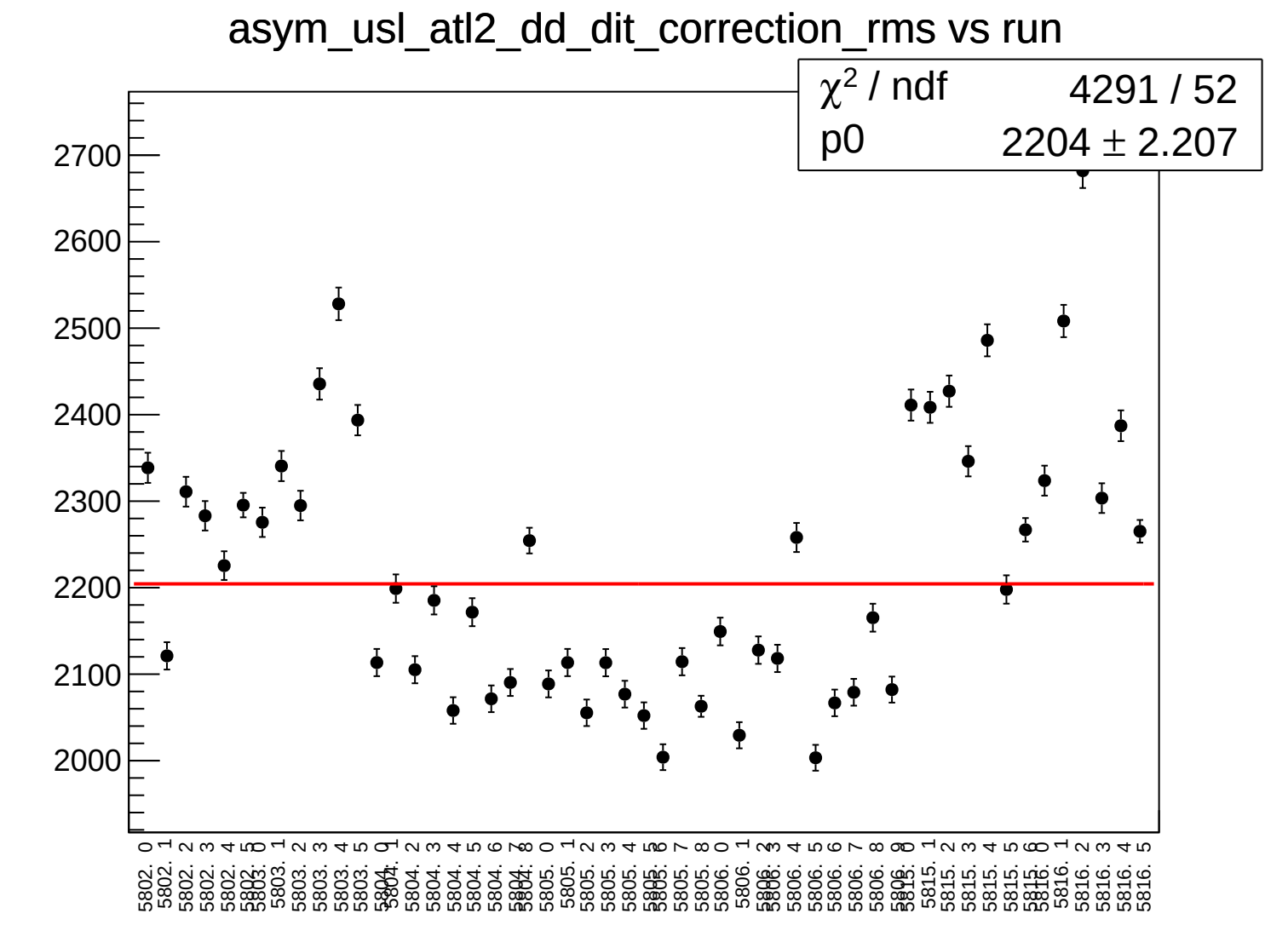
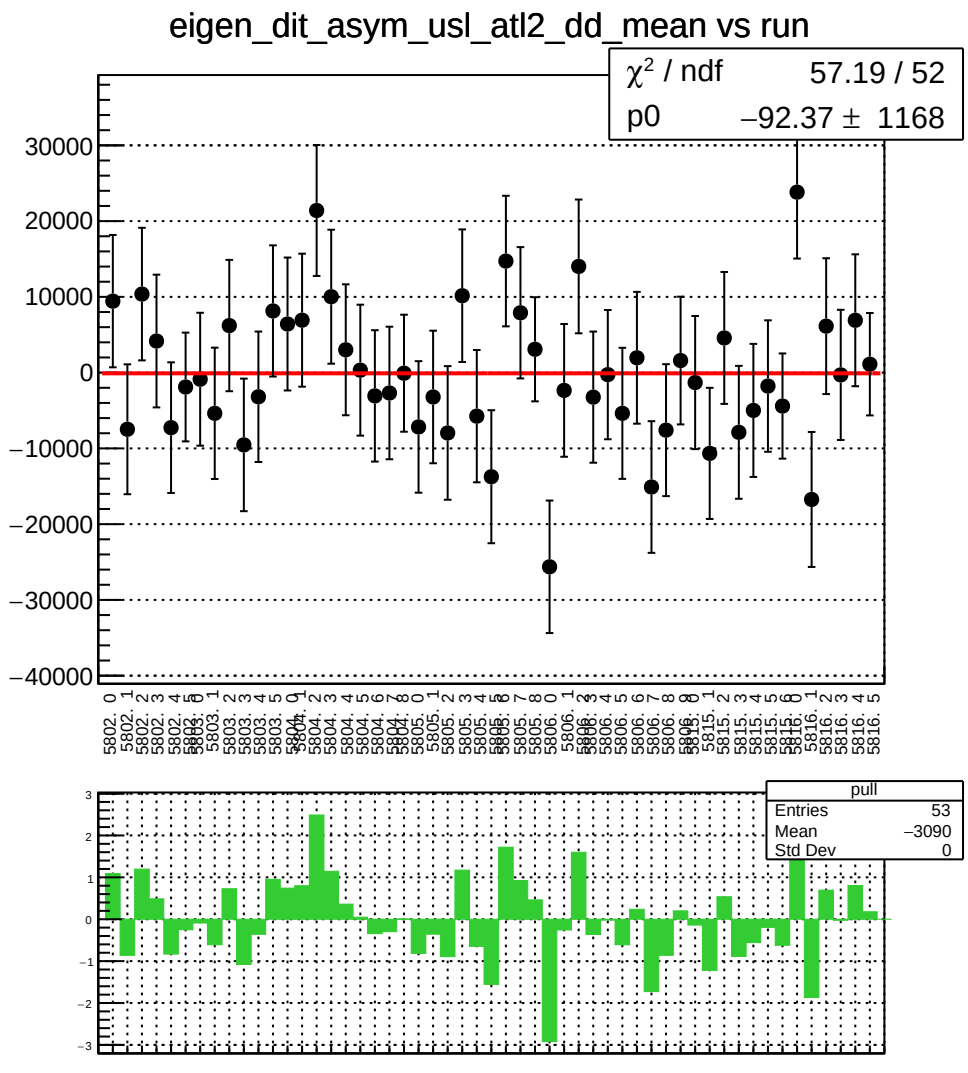
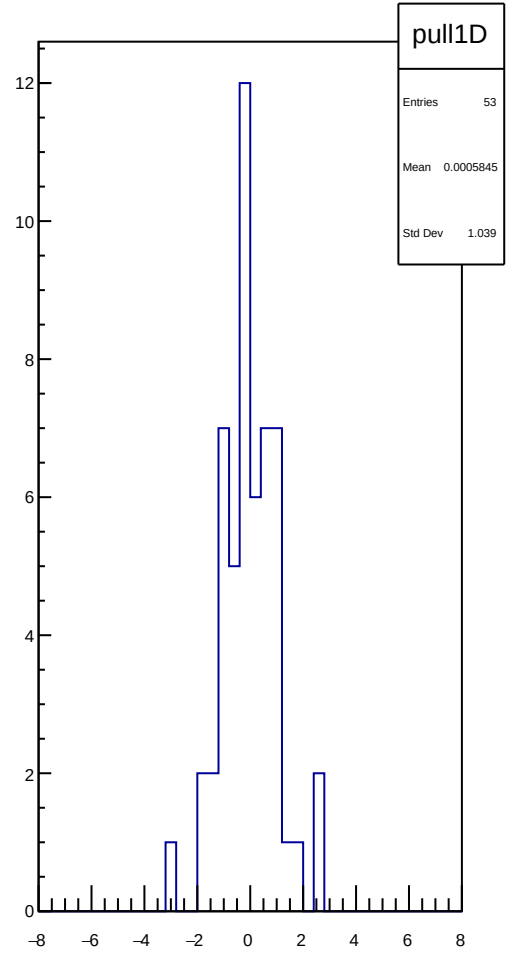
5816. 4
5816. 5


asym_usl_atl2_dd_dit_correction_mean vs run
χ² / ndf 64.03 / 52
p0 1595 ± 3122
pull
Entries 53
Mean −58.83
Std Dev 0


pull1D
Entries 53
Mean −0.02601
Std Dev 1.099


asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 4291 / 52
p0 2204 ± 2.207
2700
2600
2500
2400
2300
2200
2100
2000


eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.19 / 52
p0 −92.37 ± 1168
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −3090
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.0005845
Std Dev 1.039
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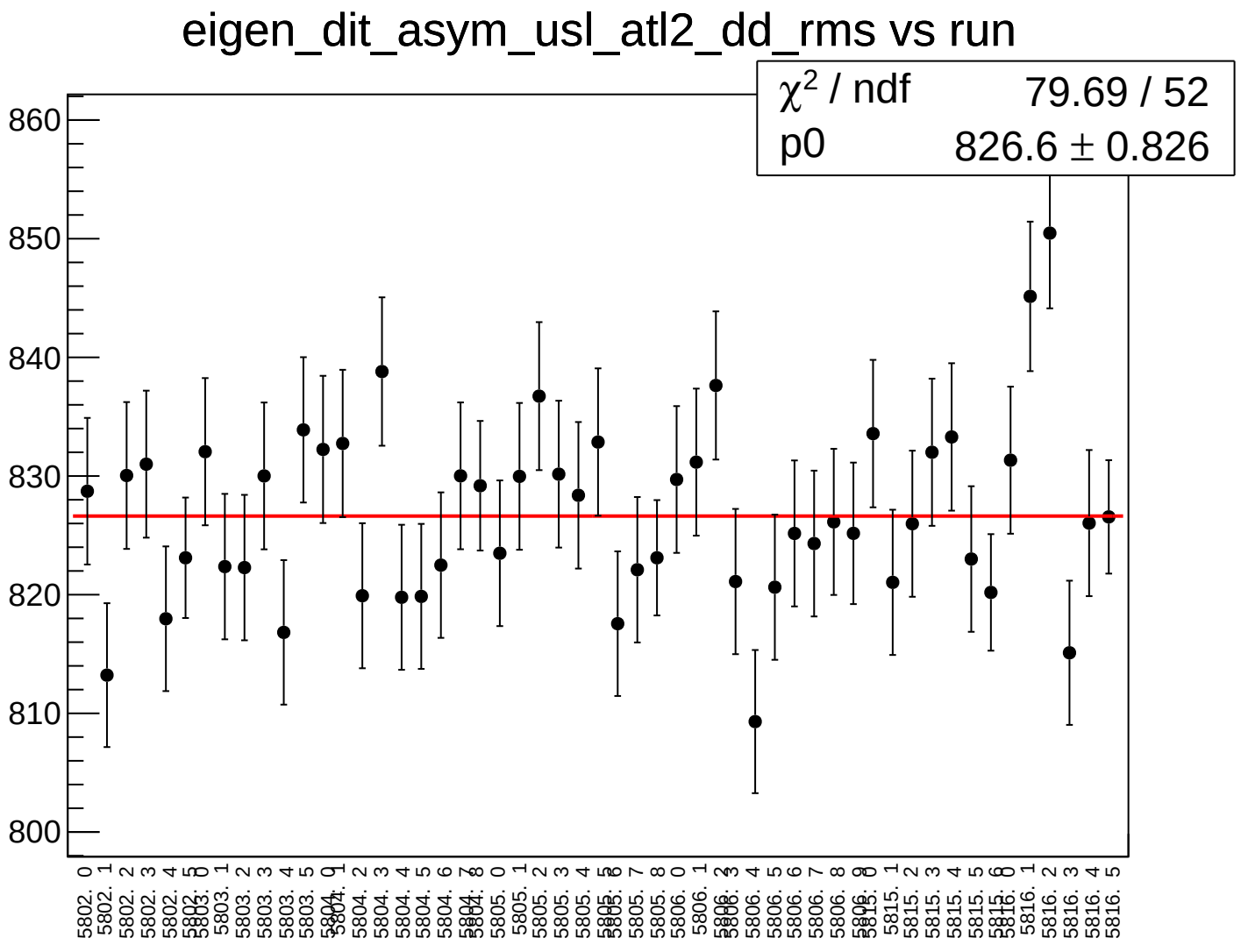
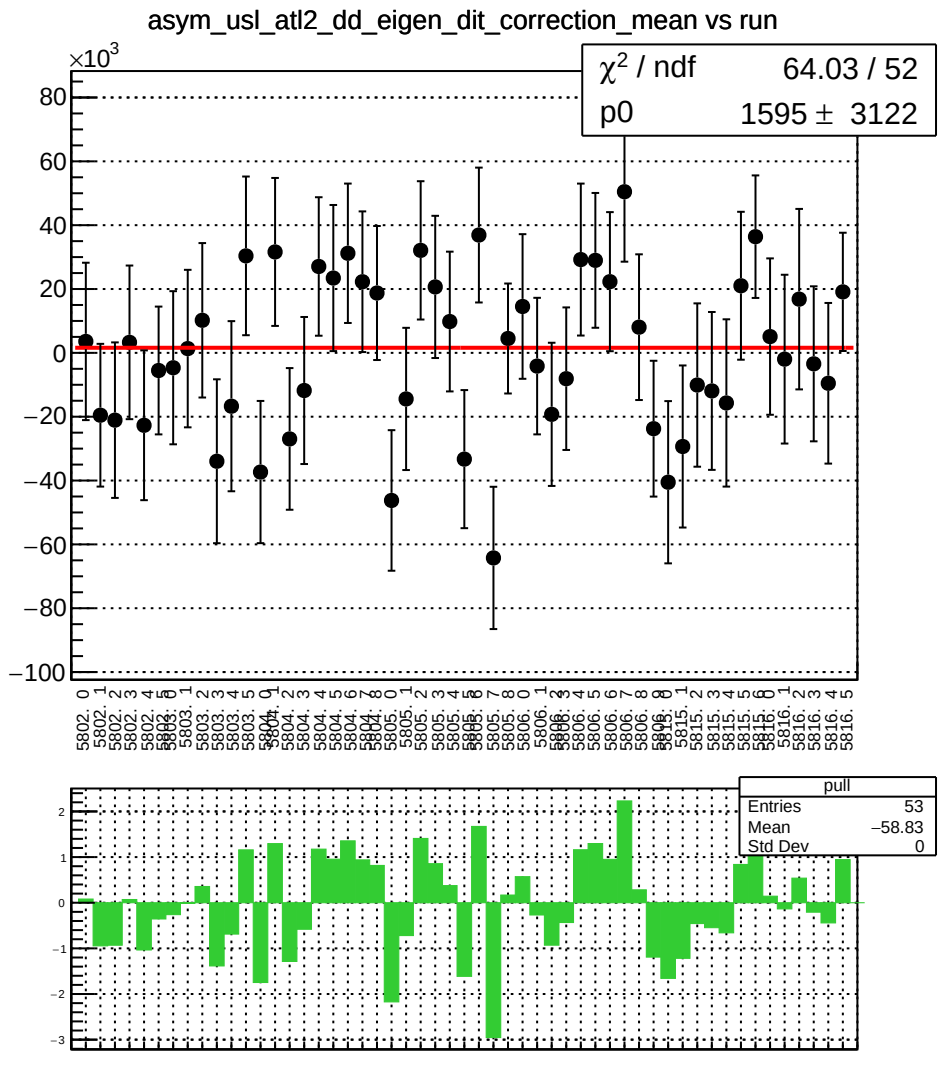
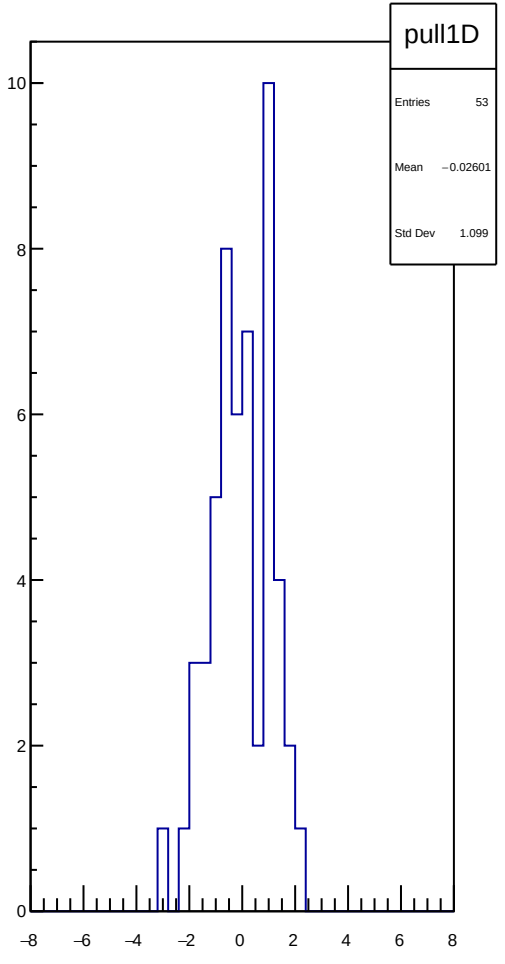
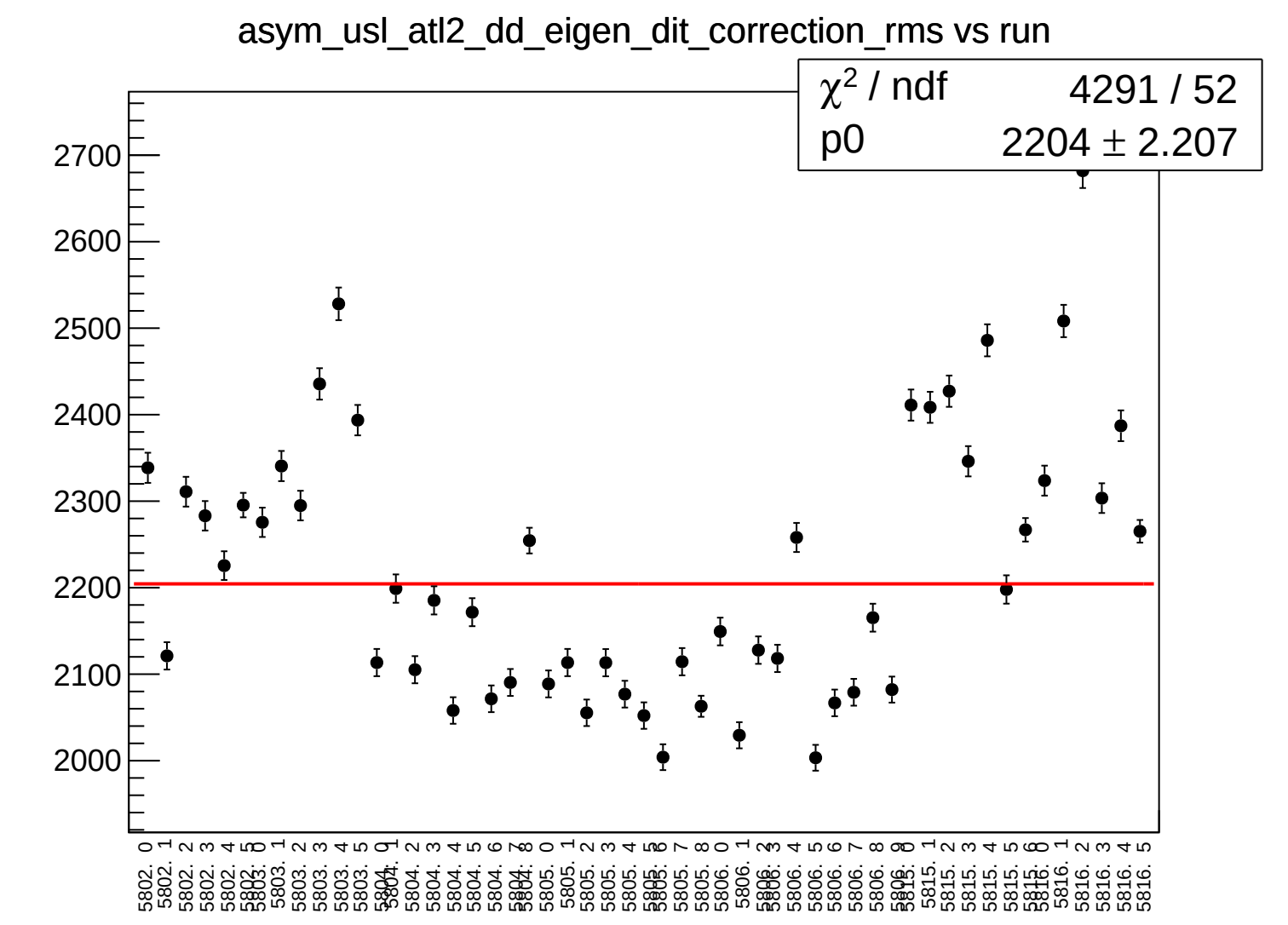
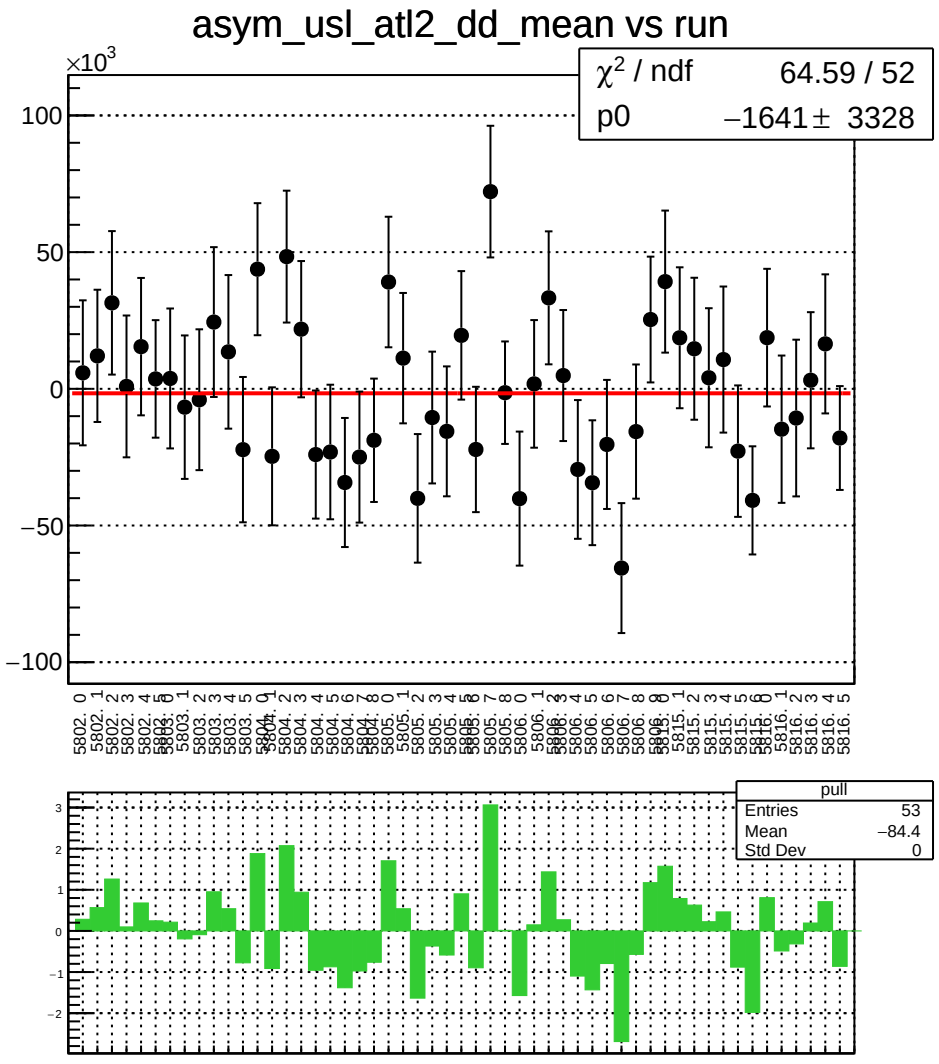
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

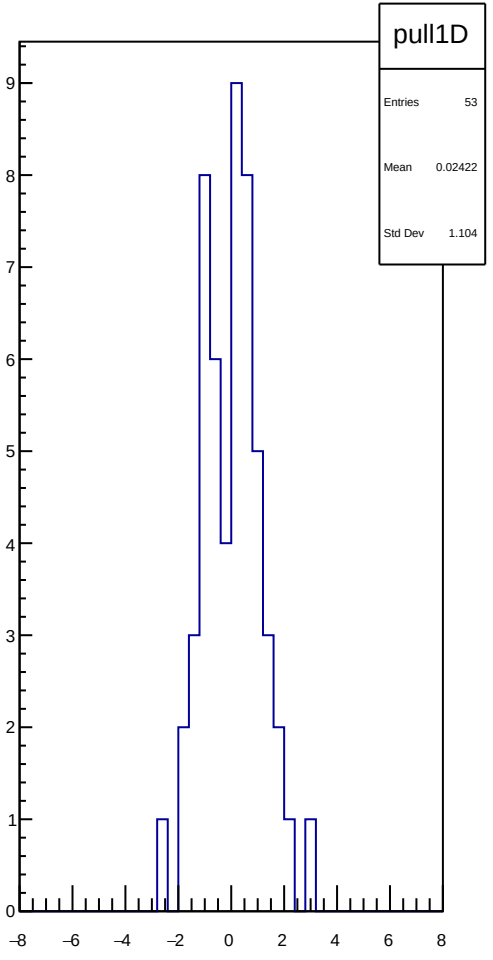

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 79.69 / 52
p0 826.6 ± 0.826
860
850
840
830
820
810
800

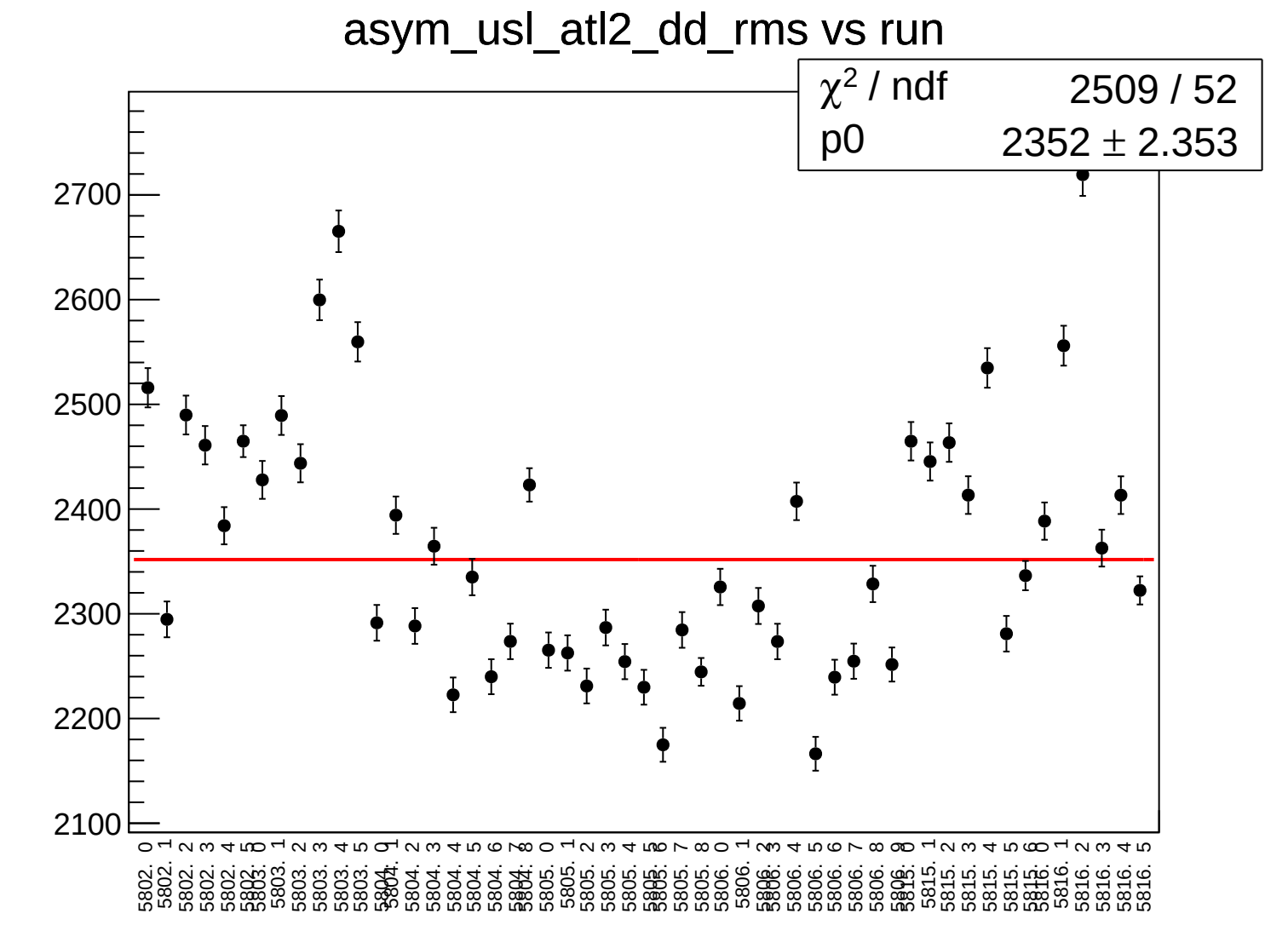

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.03 / 52
p0 1595 ± 3122
pull
Entries 53
Mean −58.83
Std Dev 0

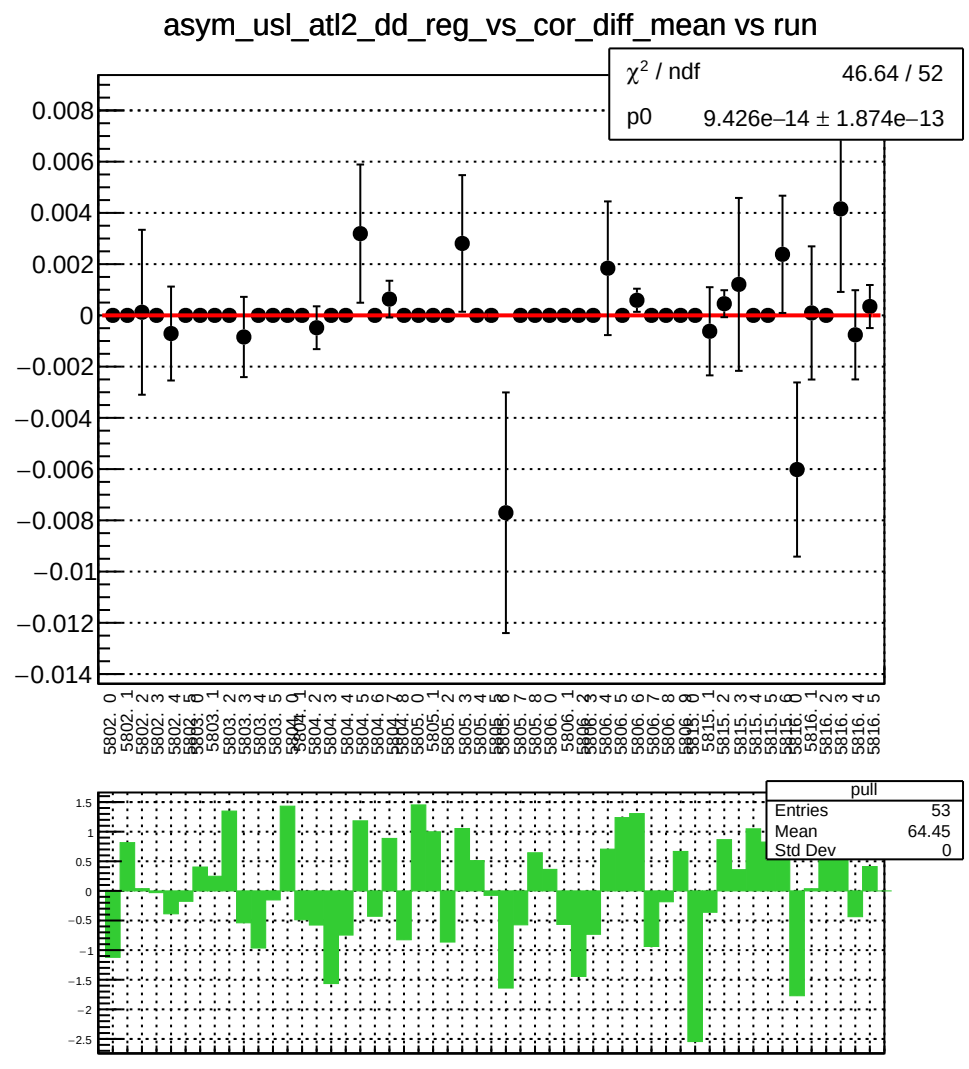

pull1D
Entries 53
Mean −0.02601
Std Dev 1.099

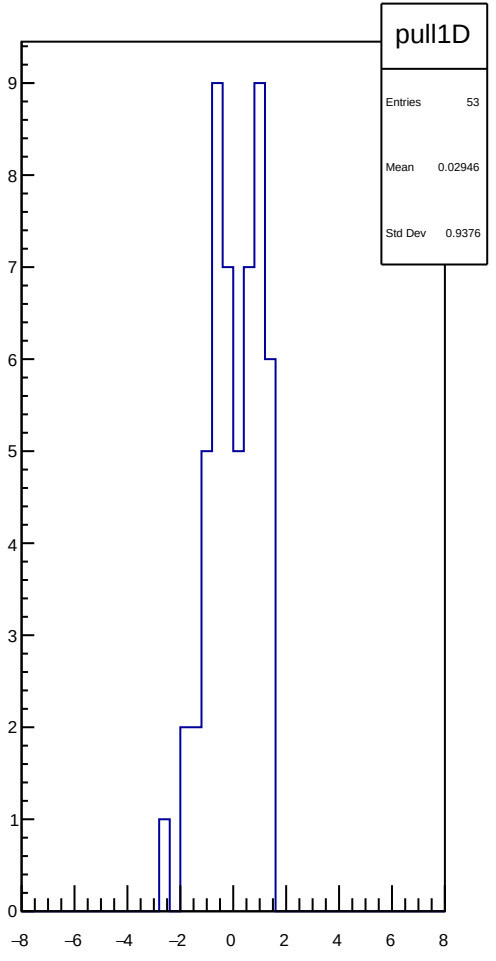

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4291 / 52
p0 2204 ± 2.207
2700
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

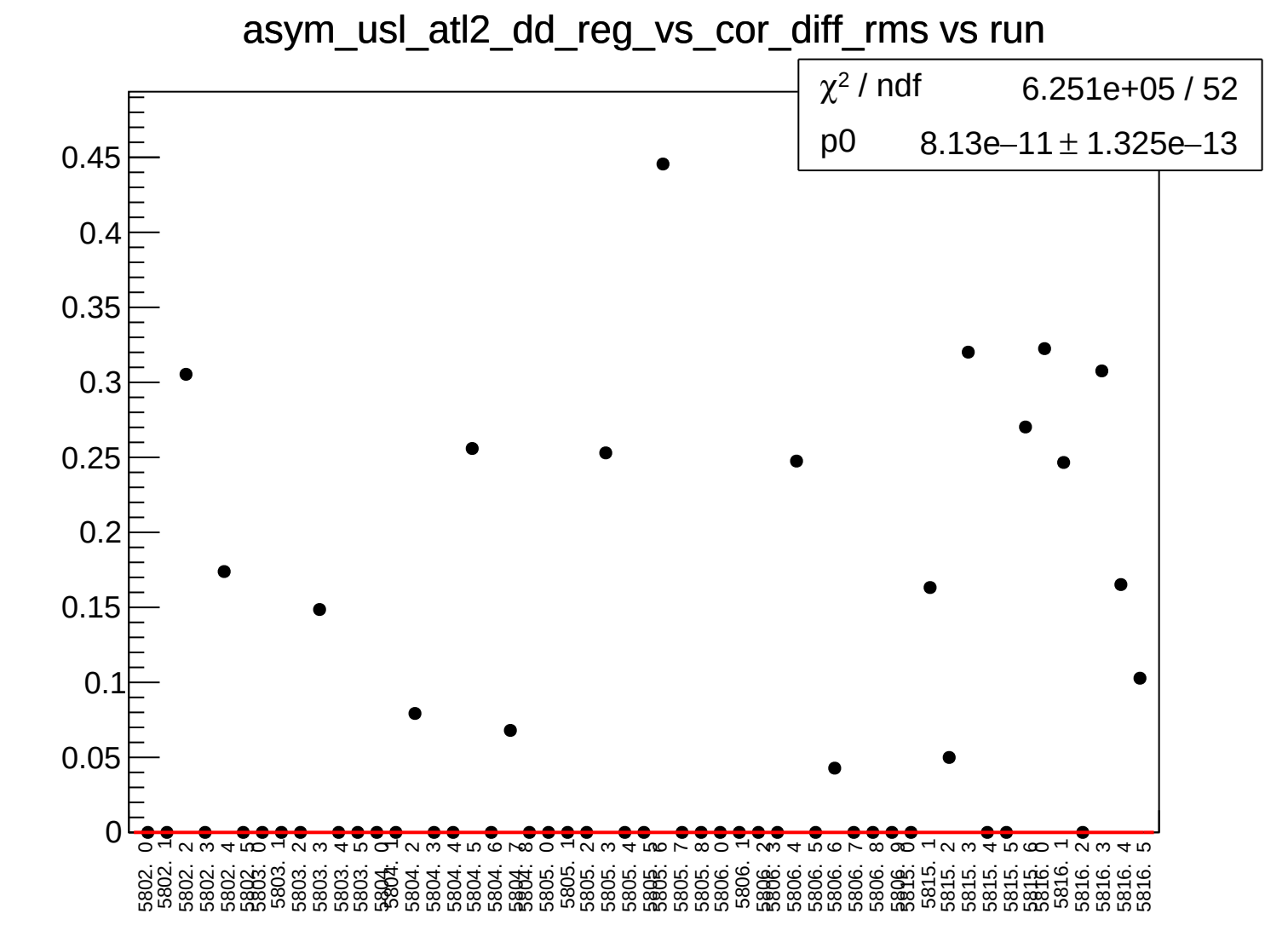

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 64.59 / 52
p0 −1641 ± 3328
100
50
0
−50
−100
pull
Entries 53
Mean −84.4
Std Dev 0
3
2
1
0
−1
−2

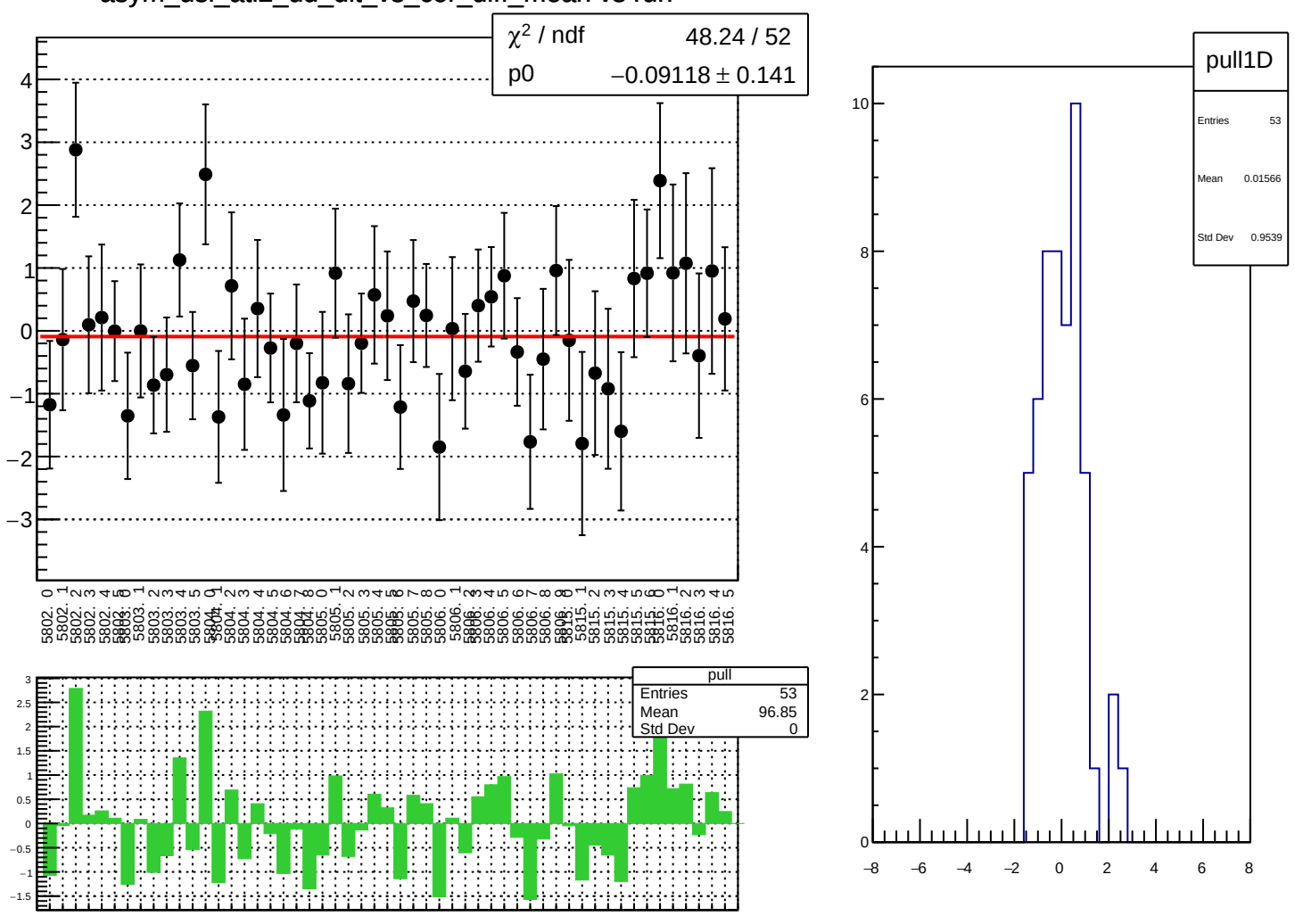

pull1D
Entries 53
Mean 0.02422
Std Dev 1.104
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

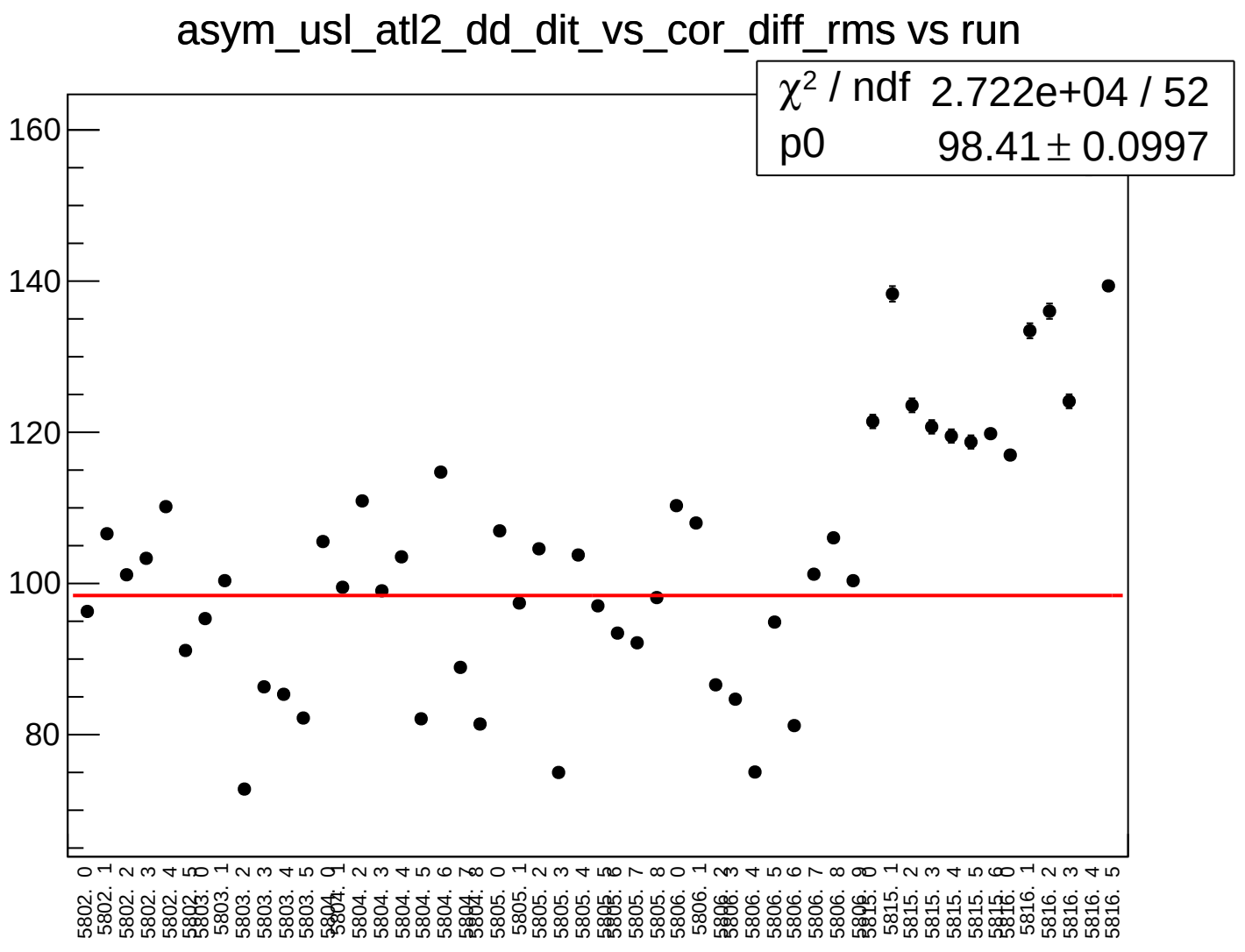

asym_usl_atl2_dd_rms vs run
χ² / ndf 2509 / 52
p0 2352 ± 2.353
2700
2600
2500
2400
2300
2200
2100

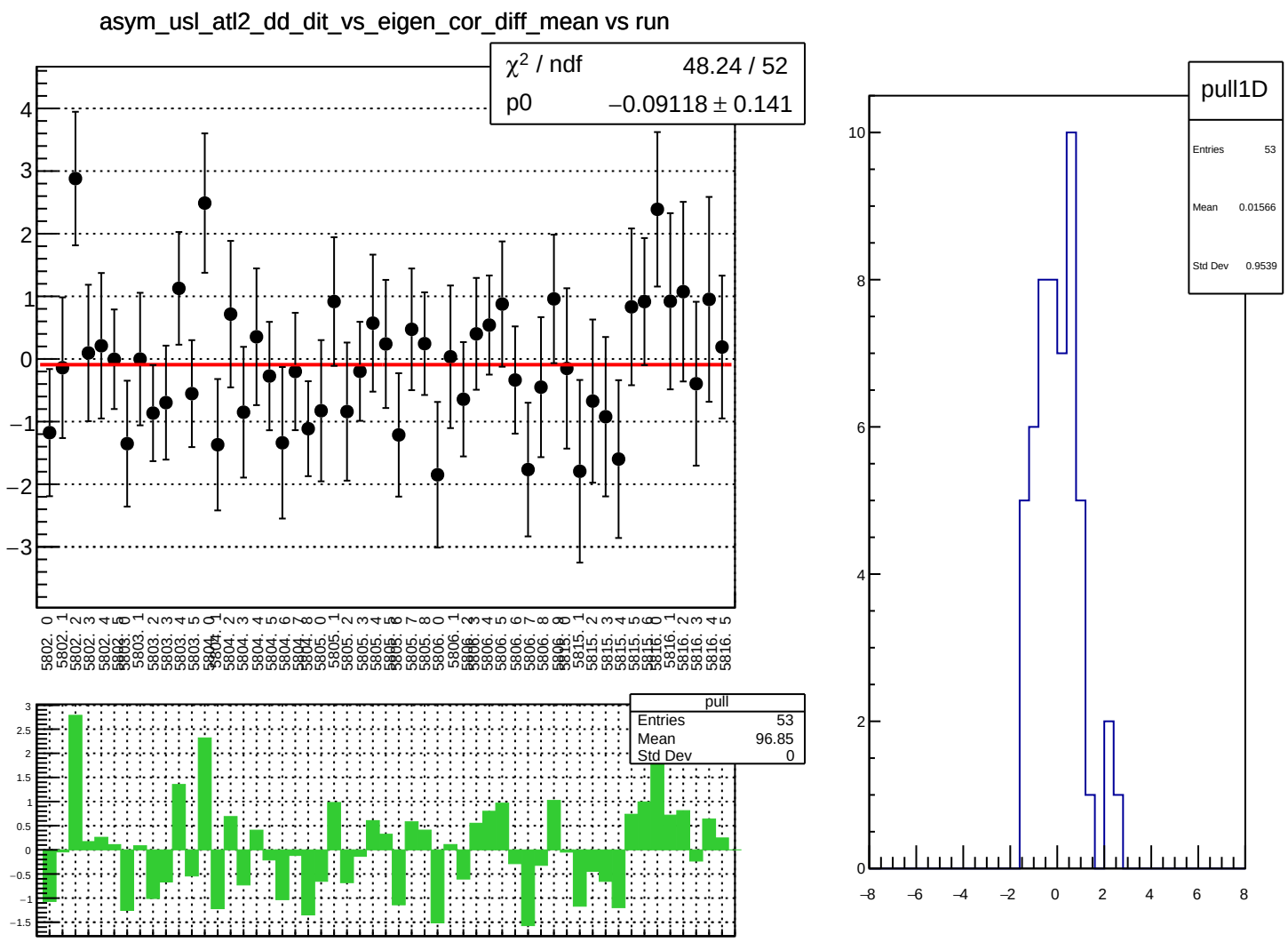

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.64 / 52
p0 9.426e−14 ± 1.874e−13
pull
Entries 53
Mean 64.45
Std Dev 0

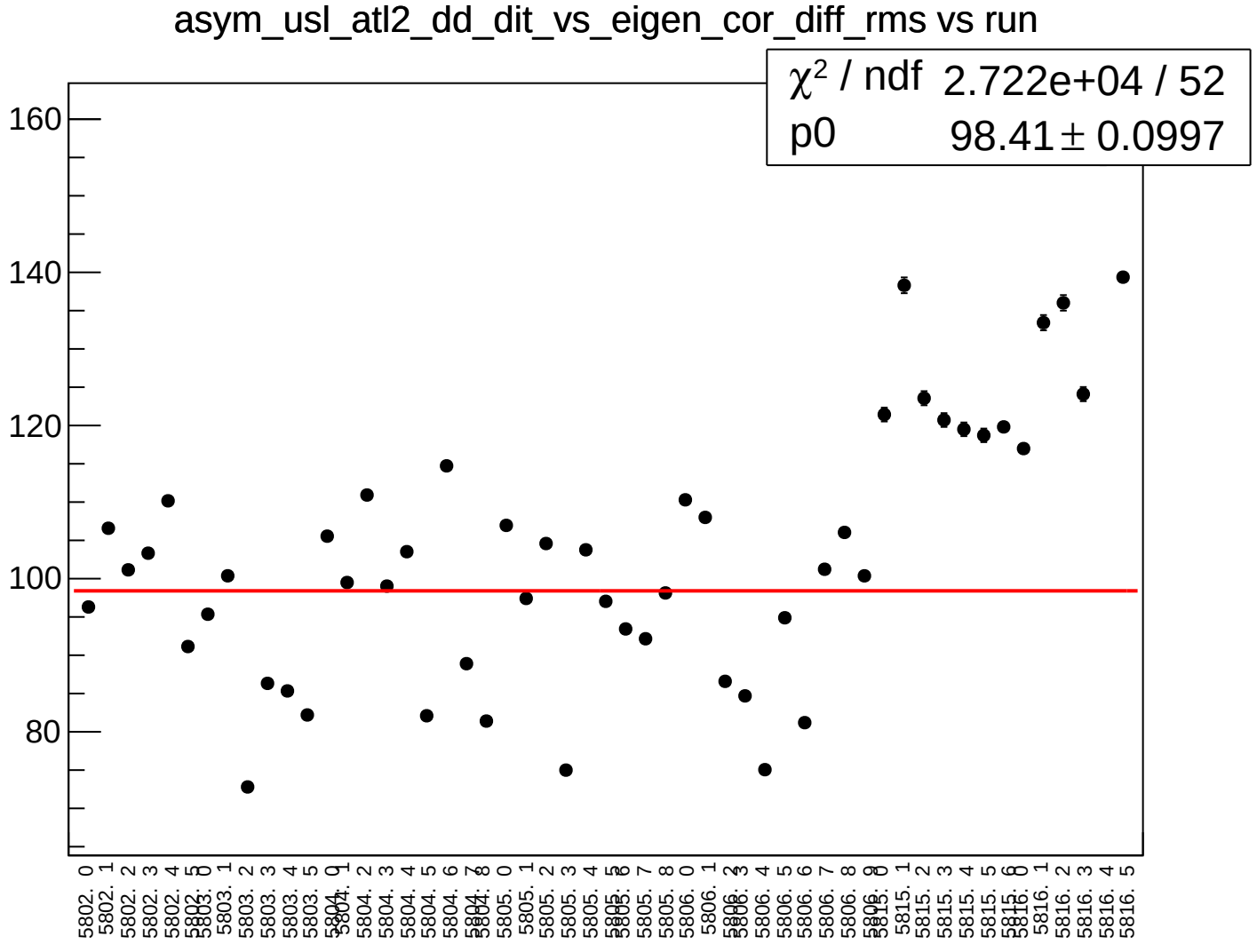

pull1D
Entries 53
Mean 0.02946
Std Dev 0.9376

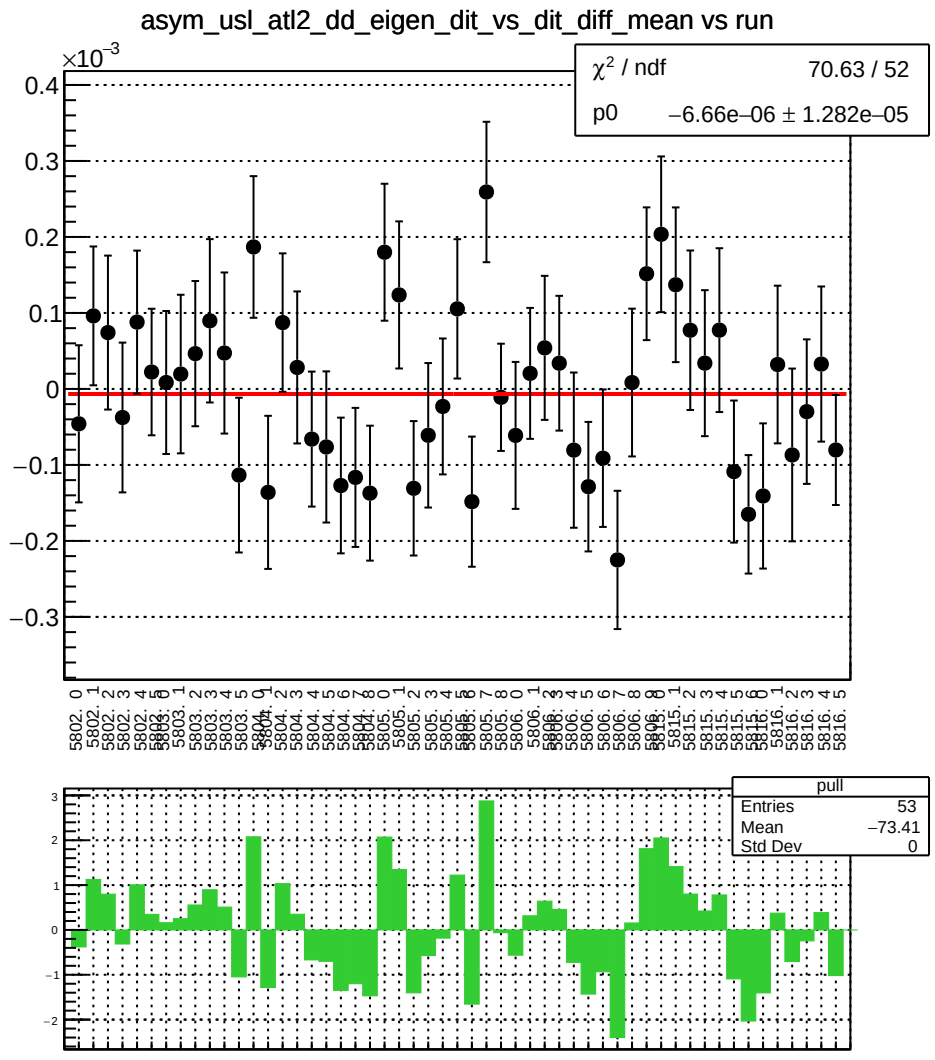

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.251e+05 / 52
p0 8.13e−11 ± 1.325e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

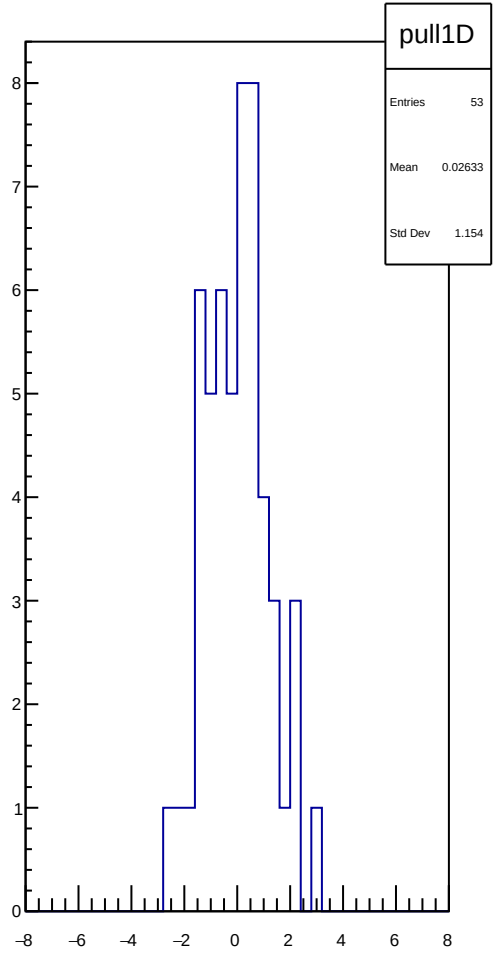

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.24 / 52
p0 −0.09118 ± 0.141
pull
Entries 53
Mean 96.85
Std Dev 0
pull1D
Entries 53
Mean 0.01566
Std Dev 0.9539

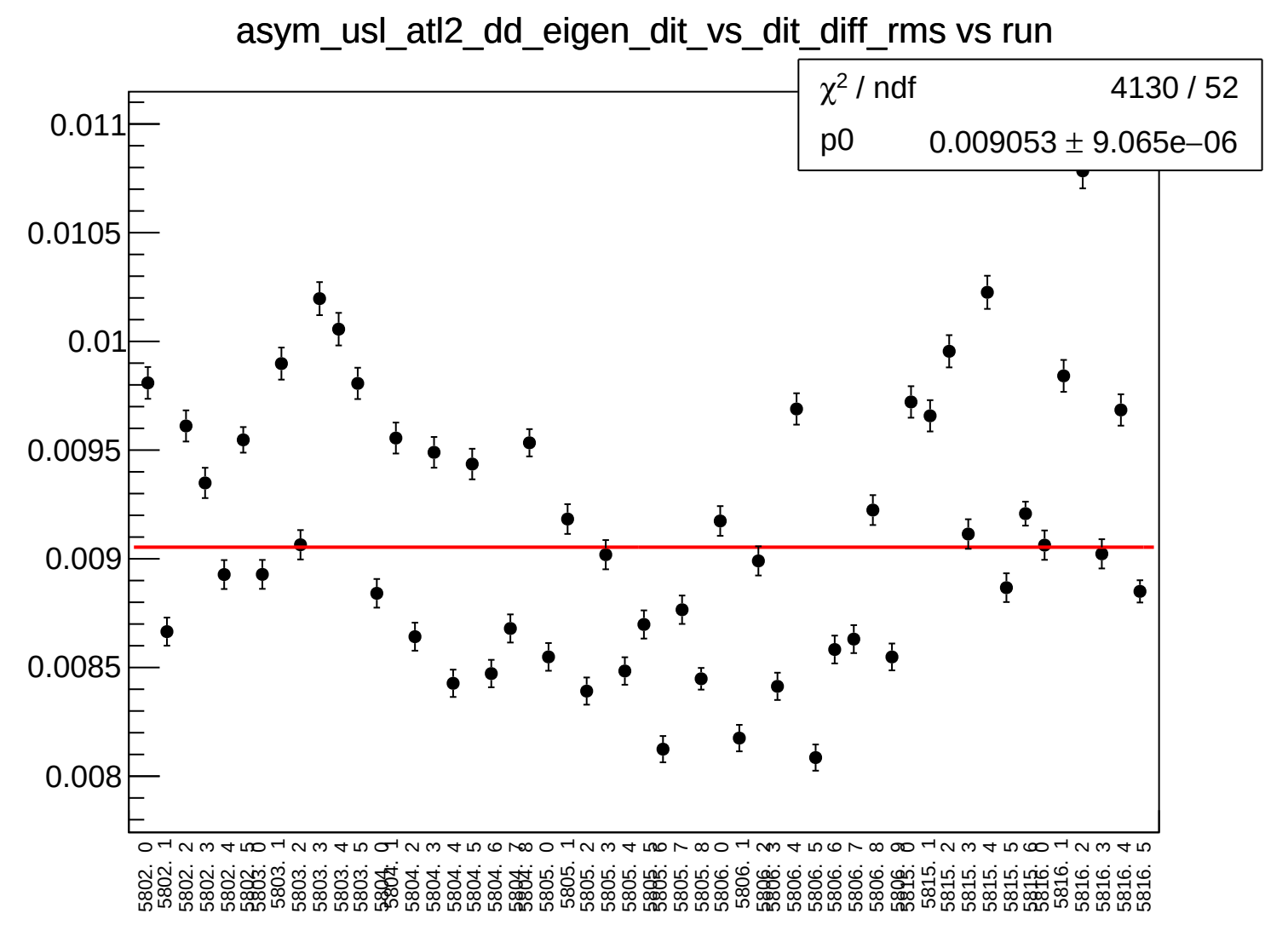

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.722e+04 / 52
p0 98.41 ± 0.0997
160
140
120
100
80

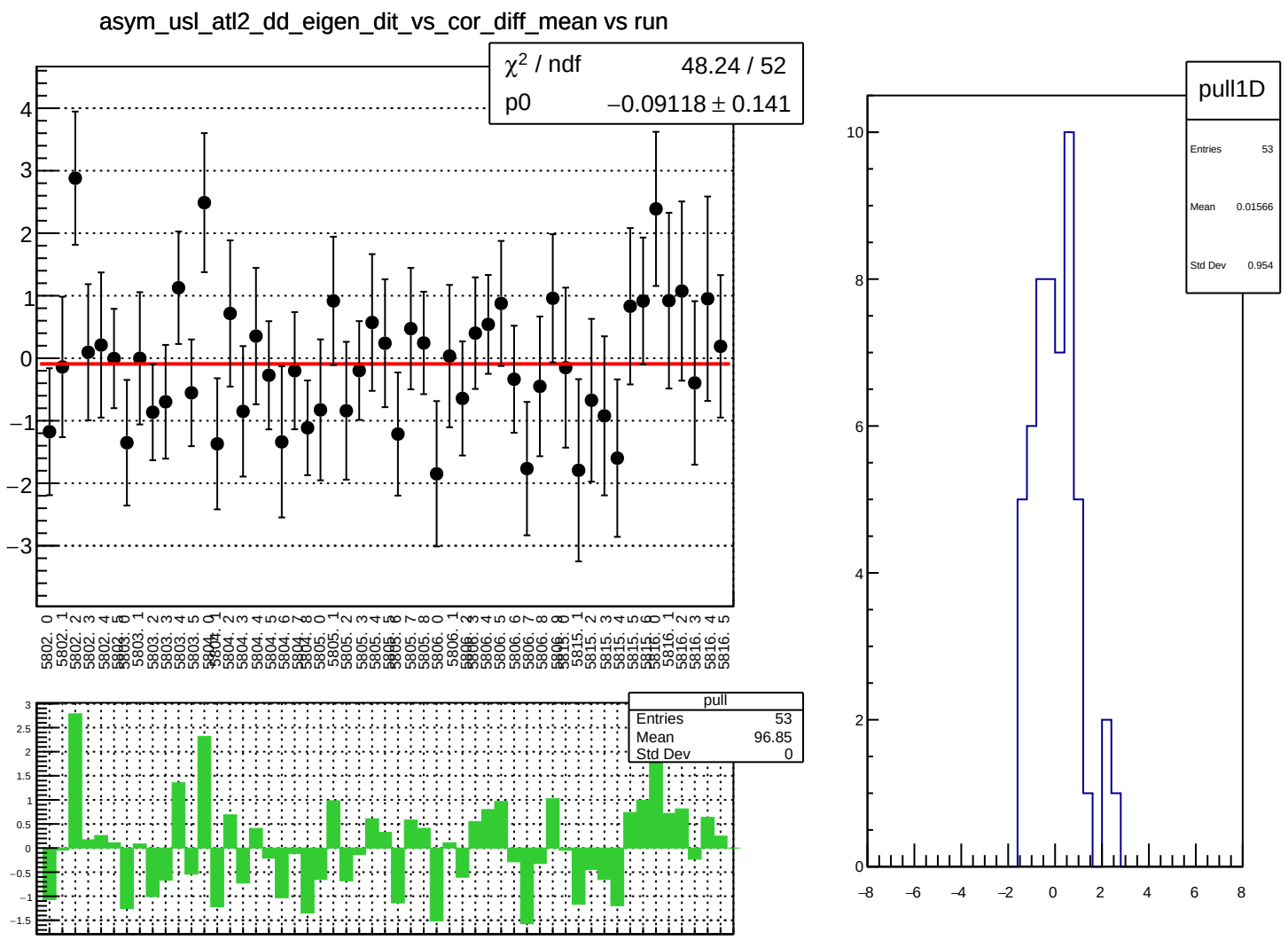

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.24 / 52
p0 −0.09118 ± 0.141
pull
Entries 53
Mean 96.85
Std Dev 0
pull1D
Entries 53
Mean 0.01566
Std Dev 0.9539

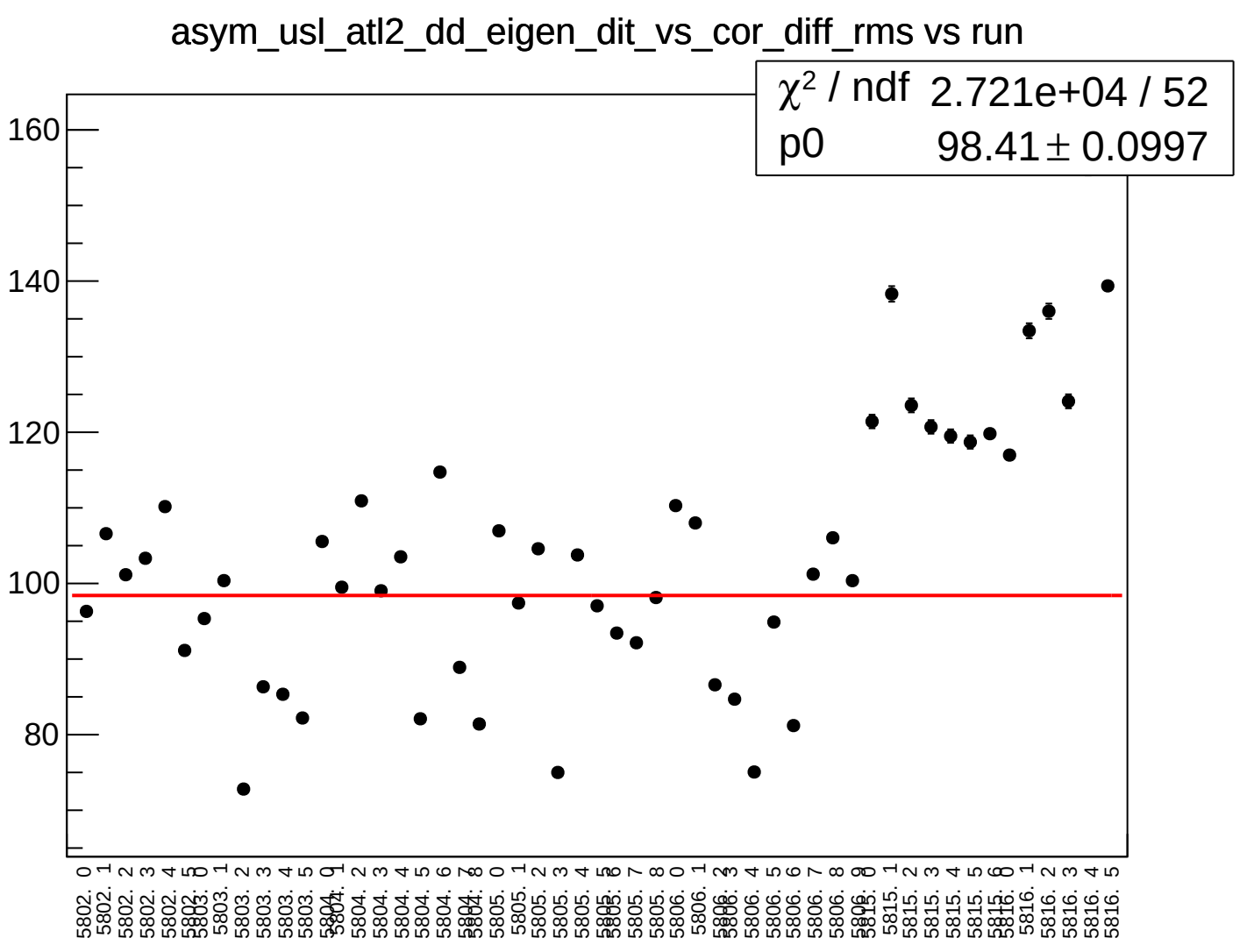

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.722e+04 / 52
p0 98.41 ± 0.0997
160
140
120
100
80

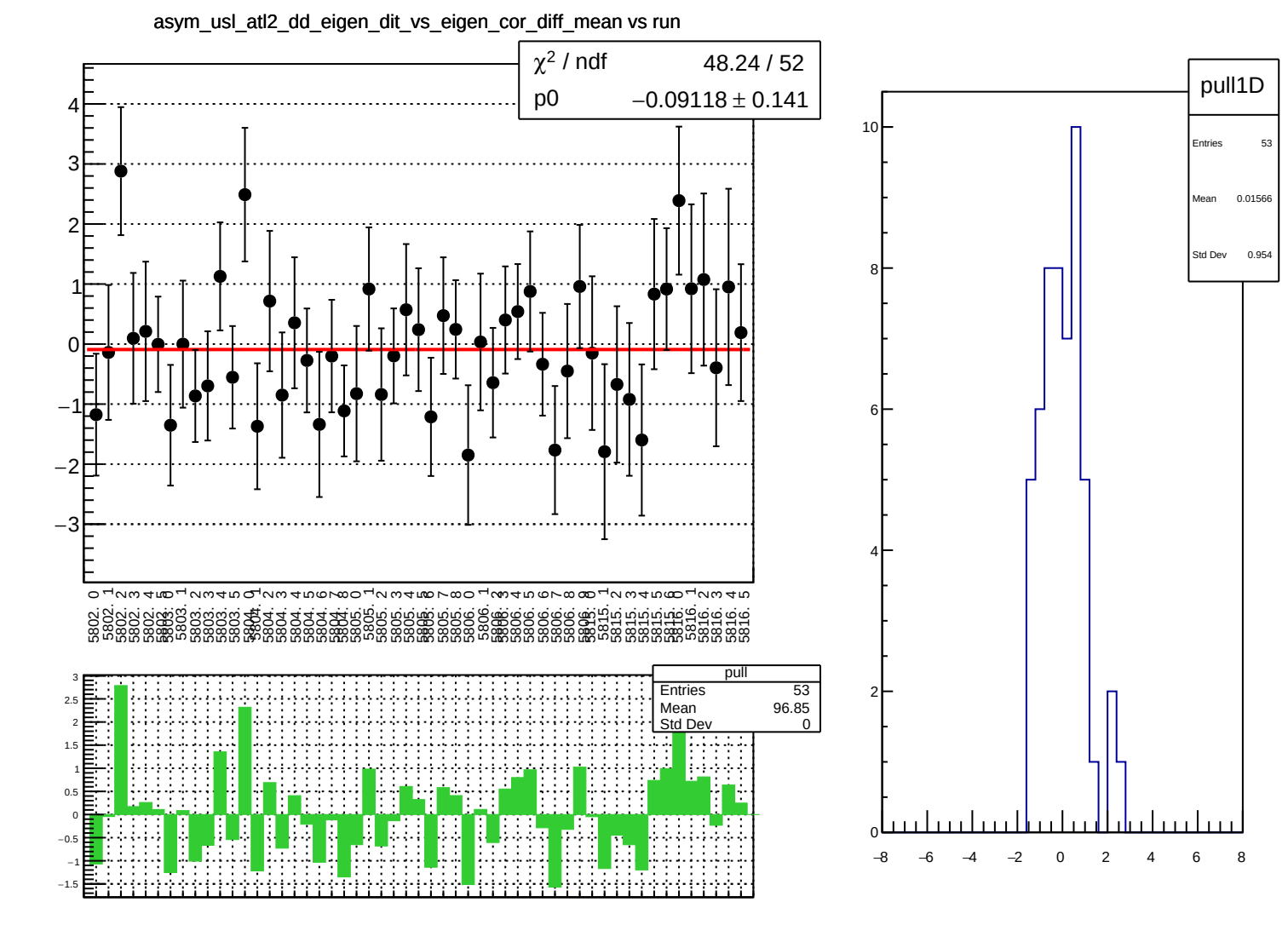

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.63 / 52
p0 −6.66e−06 ± 1.282e−05
pull
Entries 53
Mean −73.41
Std Dev 0

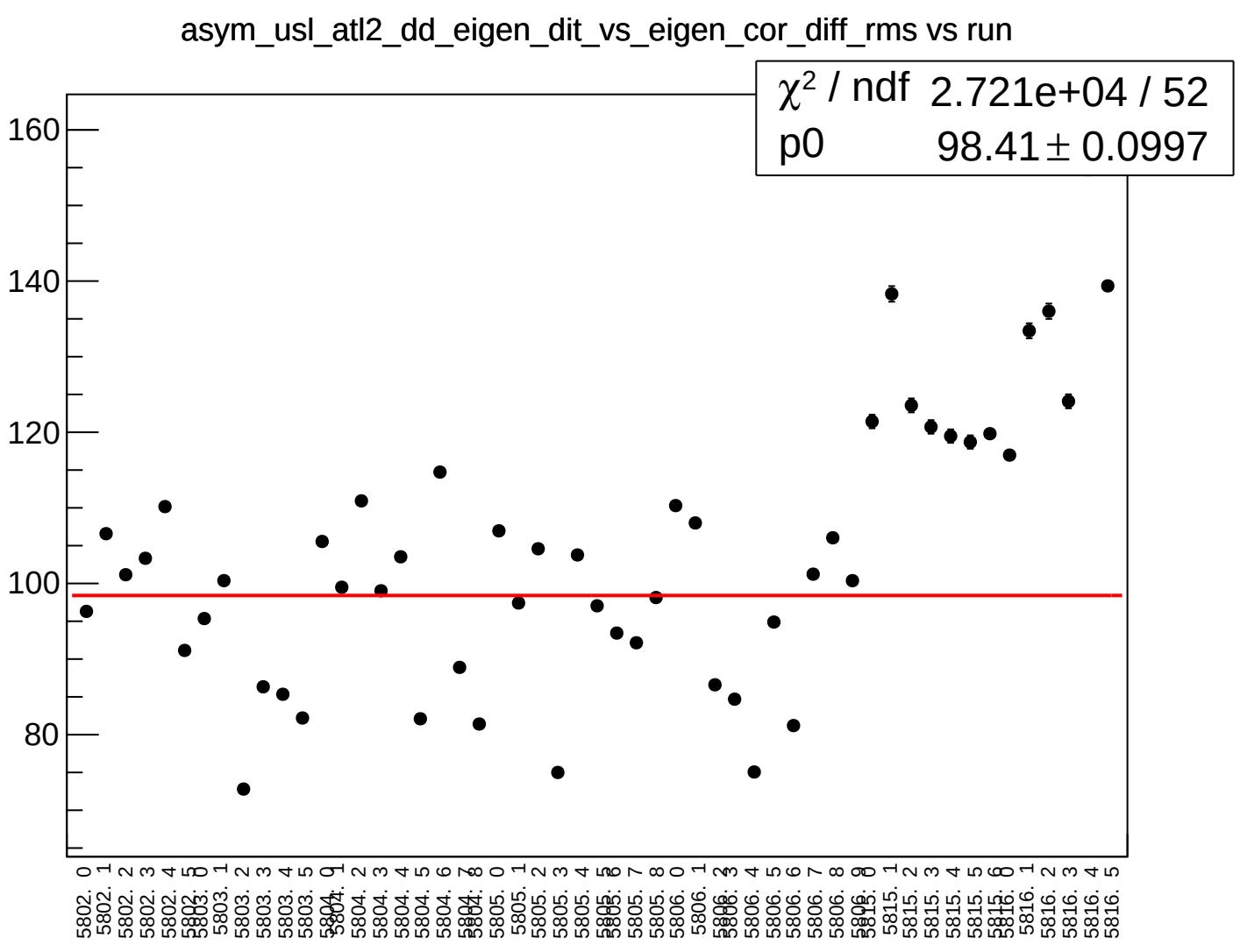

pull1D
Entries 53
Mean 0.02633
Std Dev 1.154

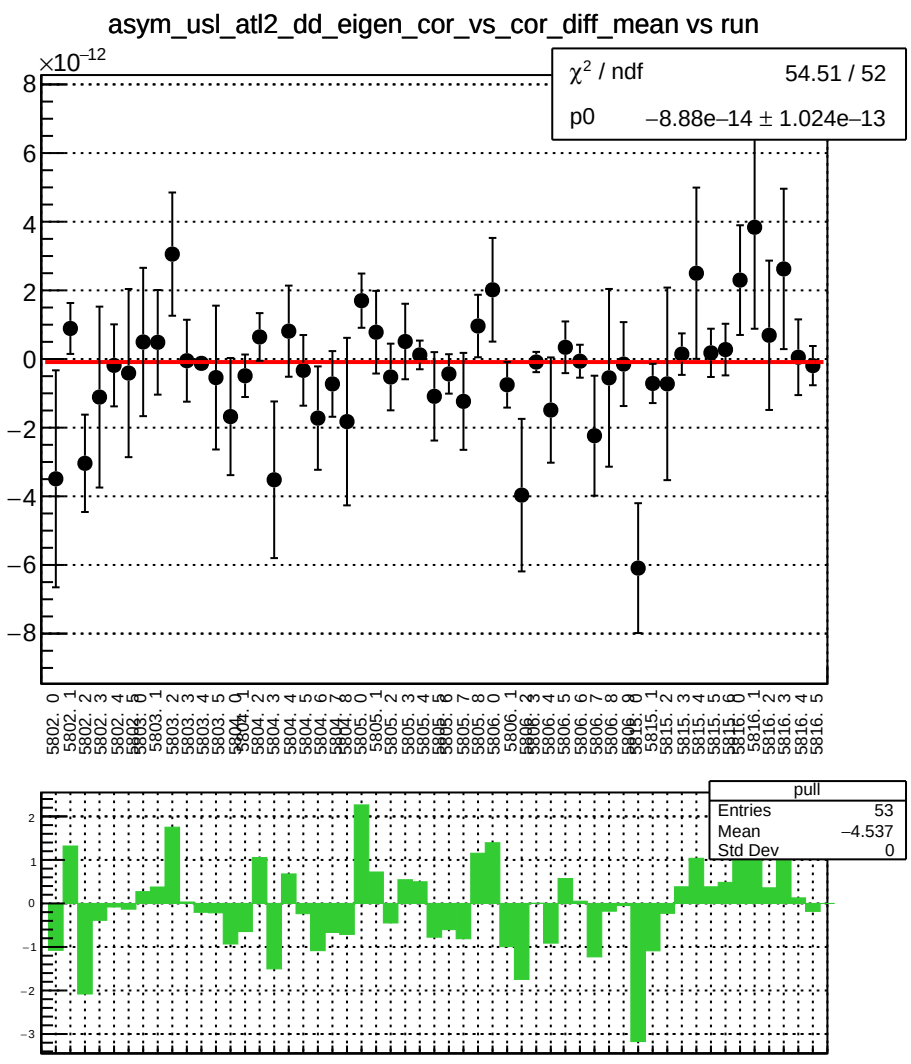

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4130 / 52
p0 0.009053 ± 9.065e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

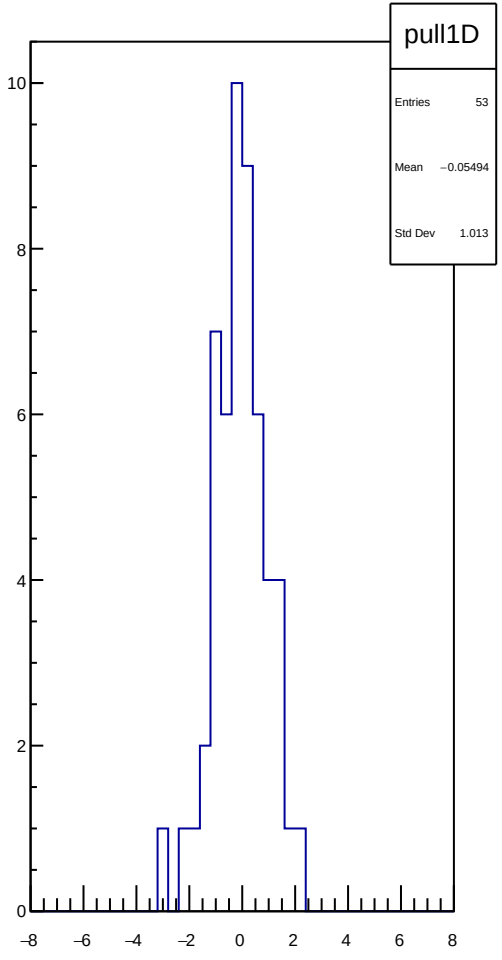

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.24 / 52
p0 −0.09118 ± 0.141
pull
Entries 53
Mean 96.85
Std Dev 0
pull1D
Entries 53
Mean 0.01566
Std Dev 0.954

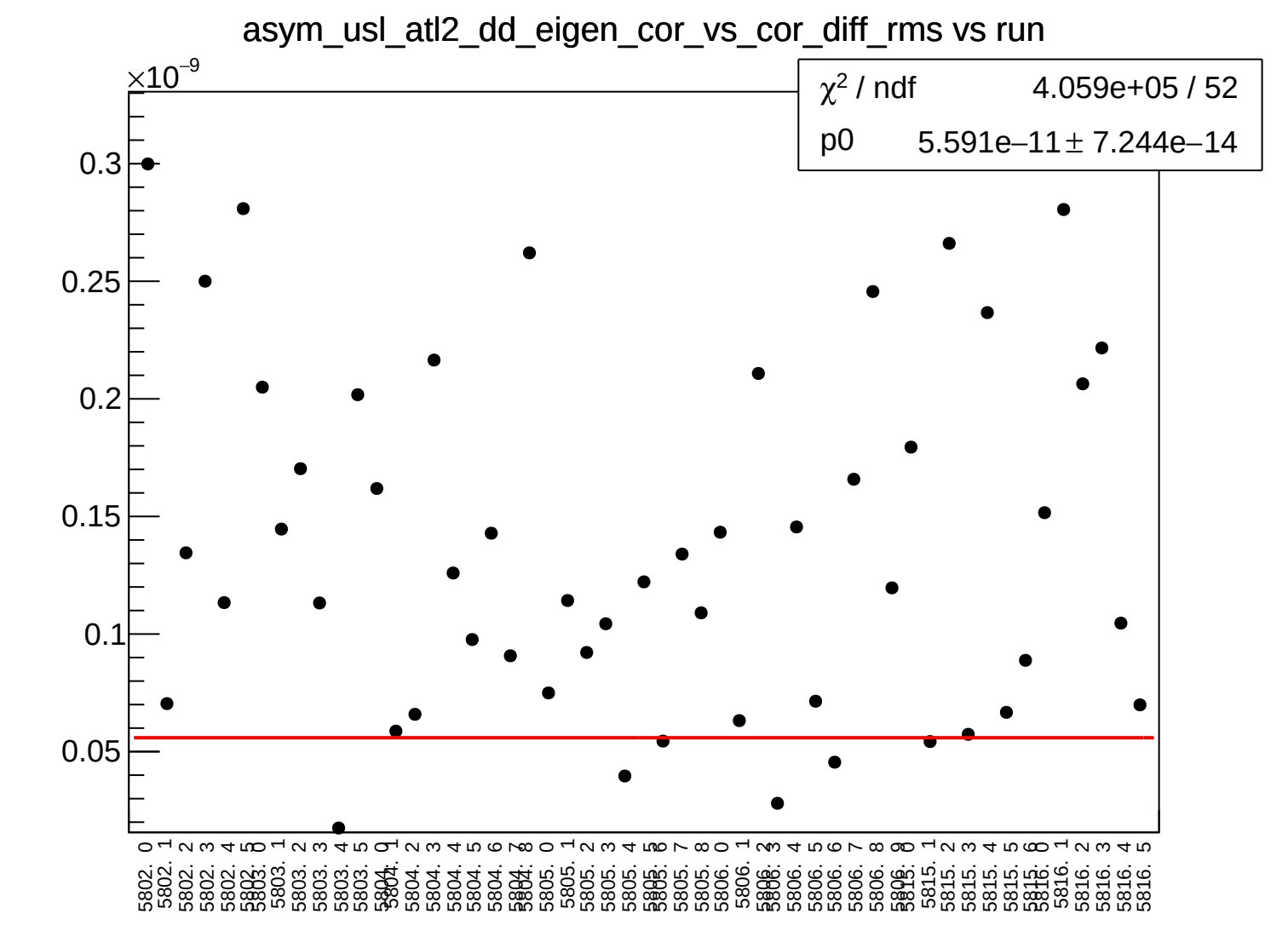

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.721e+04 / 52
p0 98.41 ± 0.0997
160
140
120
100
80

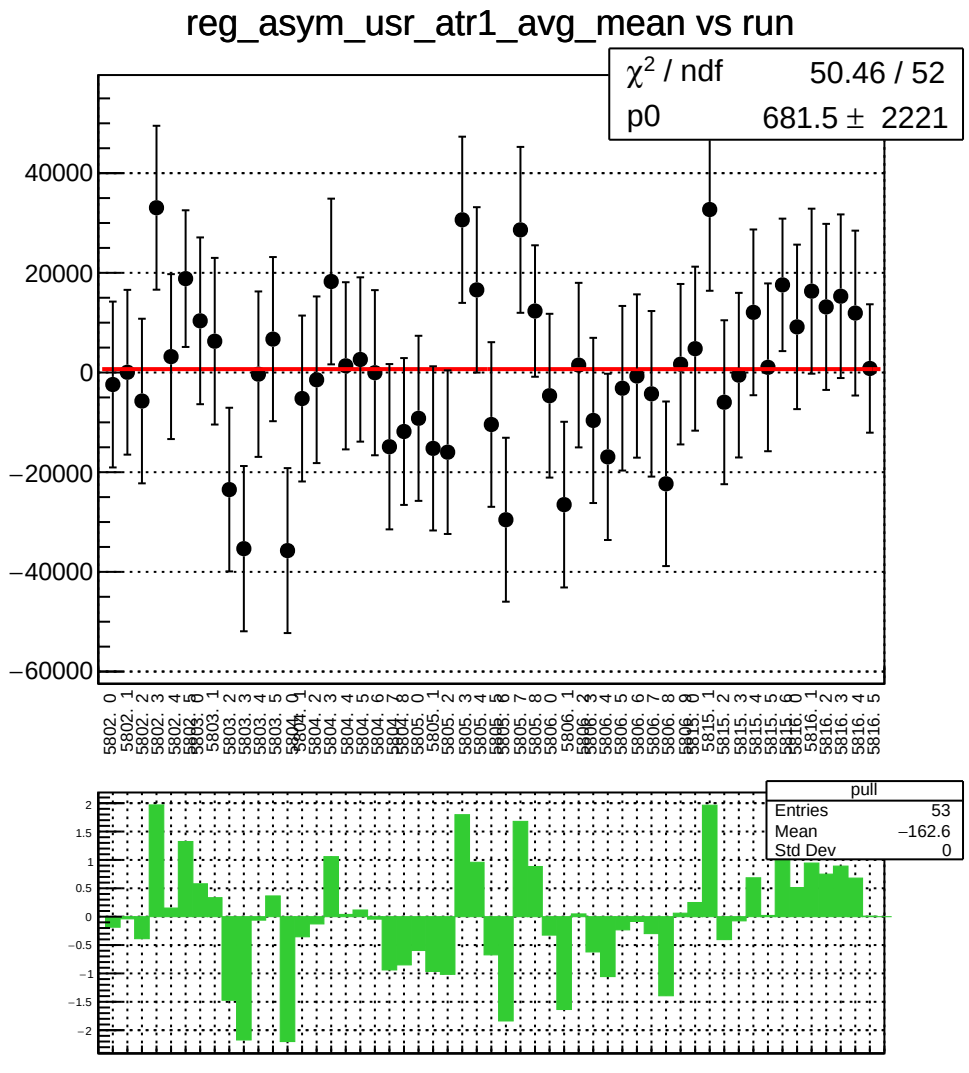

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.24 / 52
p0 −0.09118 ± 0.141
pull
Entries 53
Mean 96.85
Std Dev 0
pull1D
Entries 53
Mean 0.01566
Std Dev 0.954

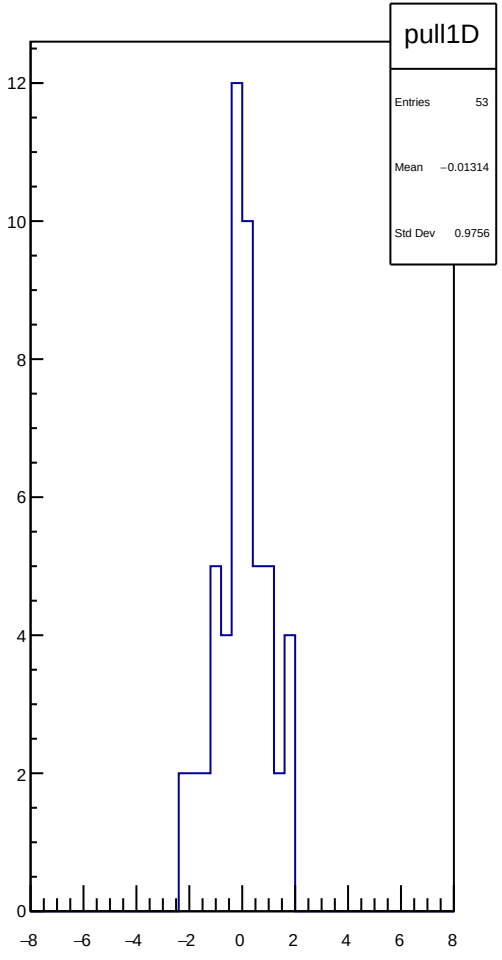

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.721e+04 / 52
p0 98.41 ± 0.0997
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

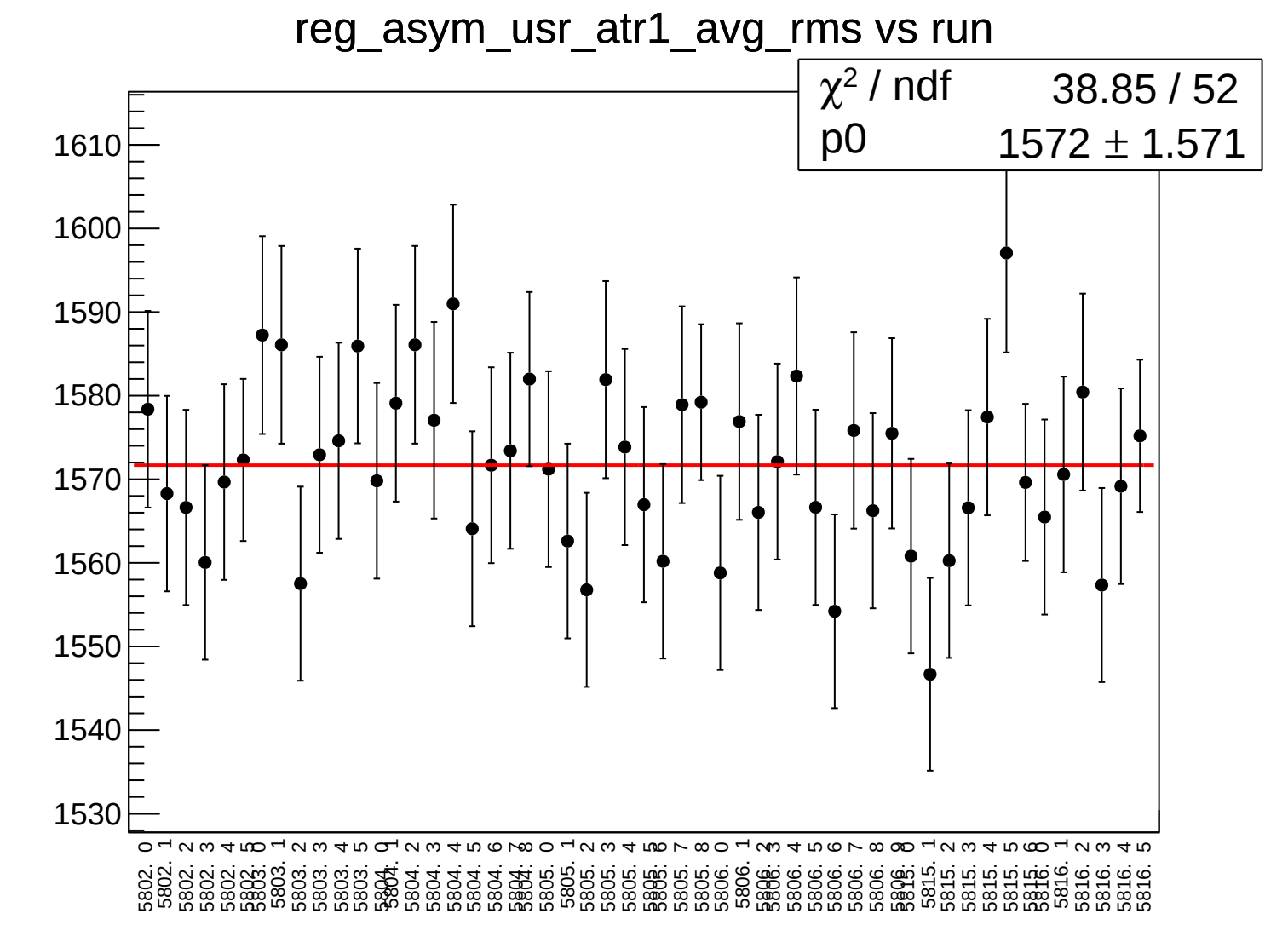

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.51 / 52
p0 −8.88e−14 ± 1.024e−13
pull
Entries 53
Mean −4.537
Std Dev 0

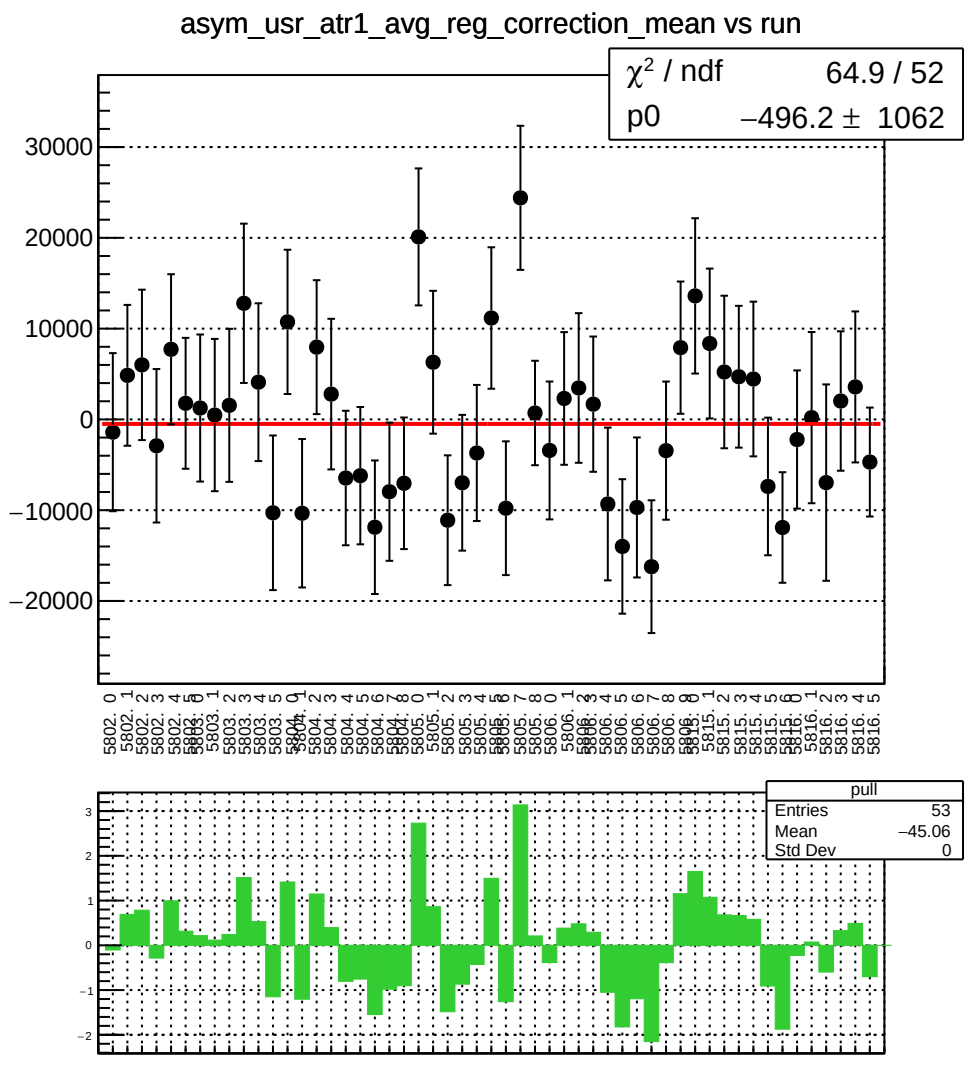

pull1D
Entries 53
Mean −0.05494
Std Dev 1.013

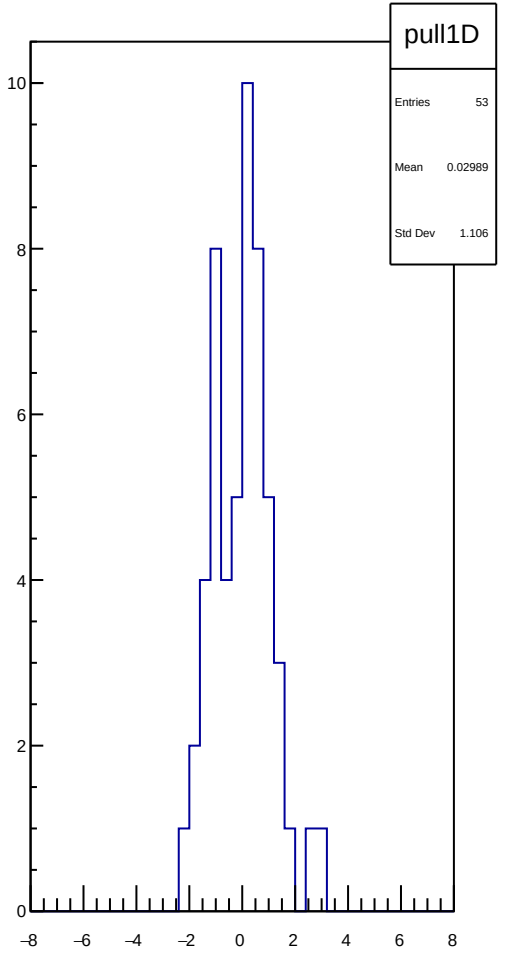

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.059e+05 / 52
p0 5.591e−11 ± 7.244e−14
0.3
0.25
0.2
0.15
0.1
0.05

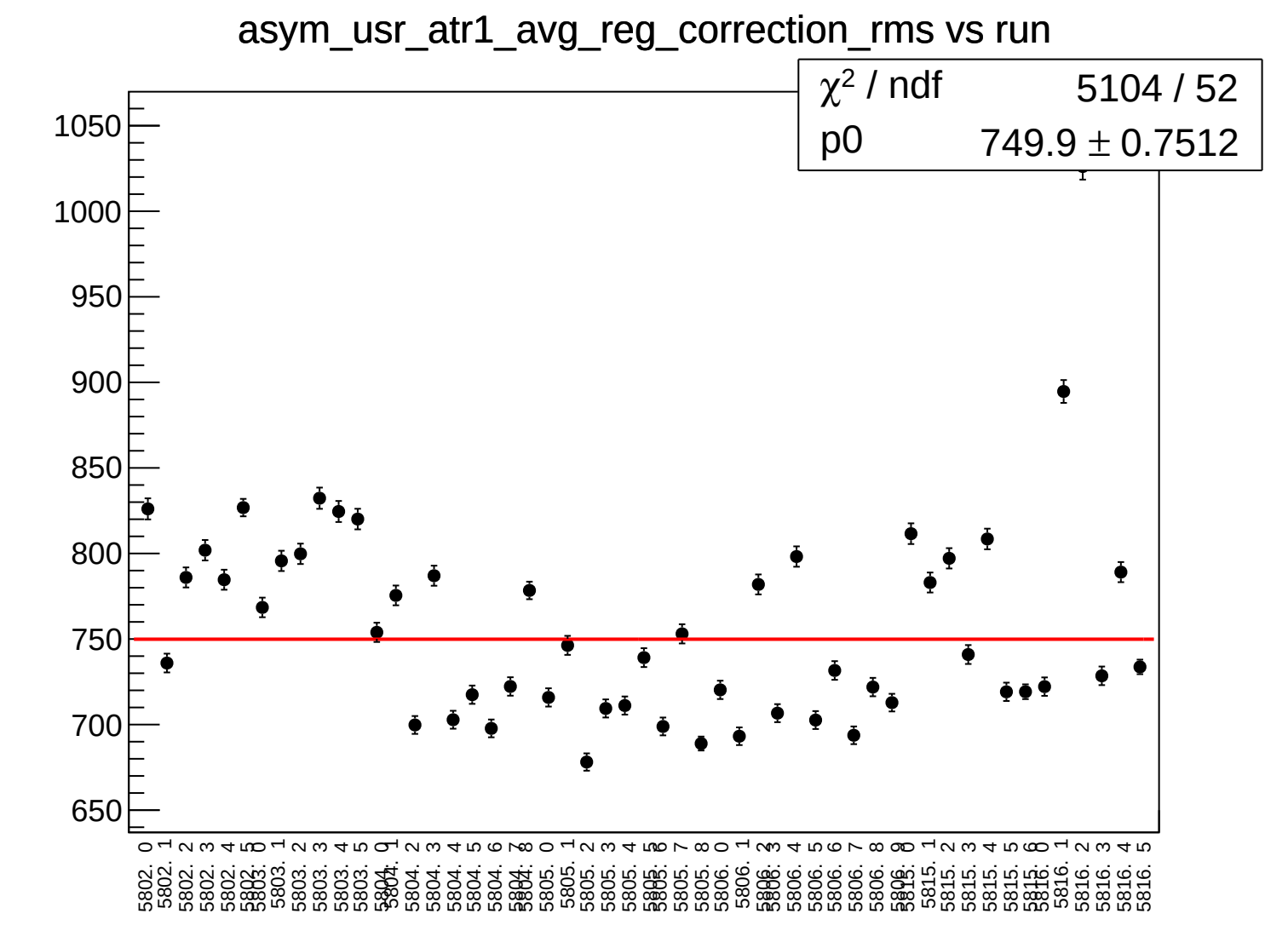

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 50.46 / 52
p0 681.5 ± 2221
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −162.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

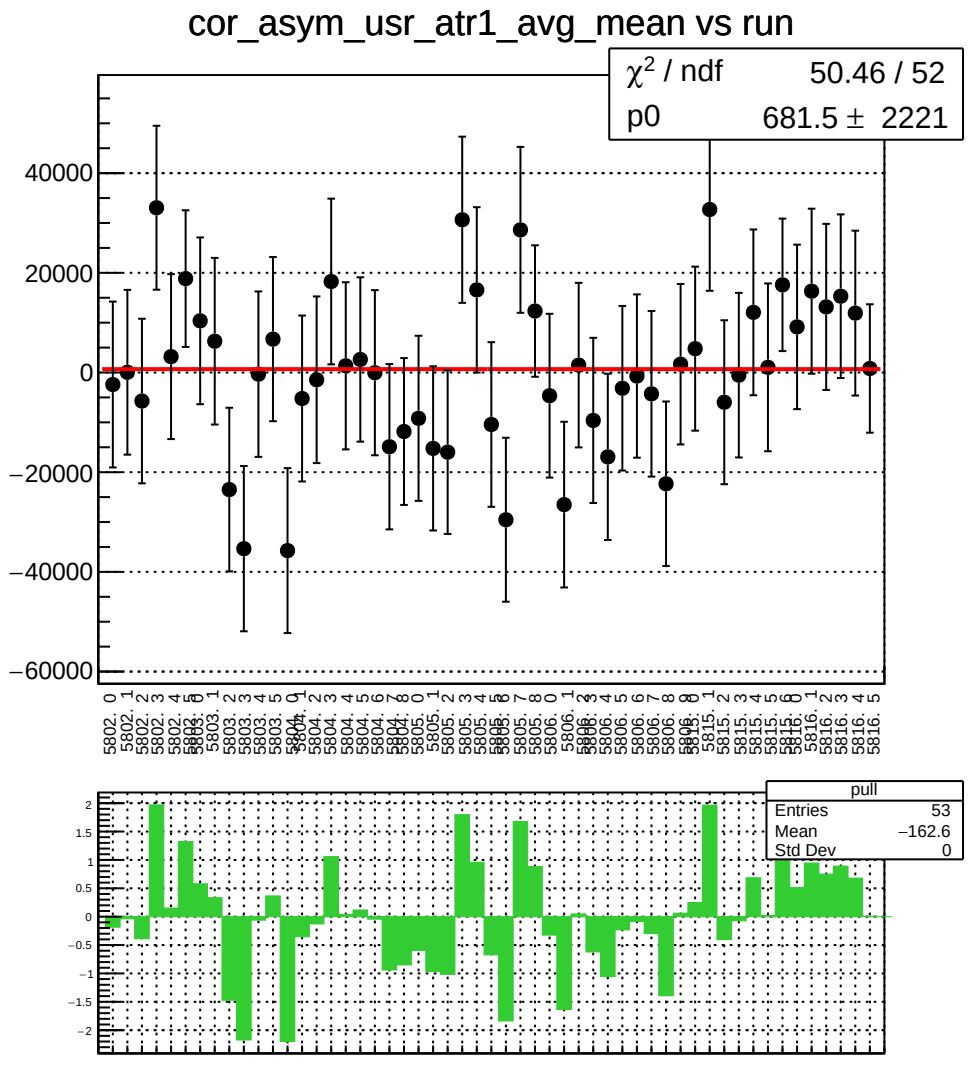

pull1D
Entries 53
Mean −0.01314
Std Dev 0.9756
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

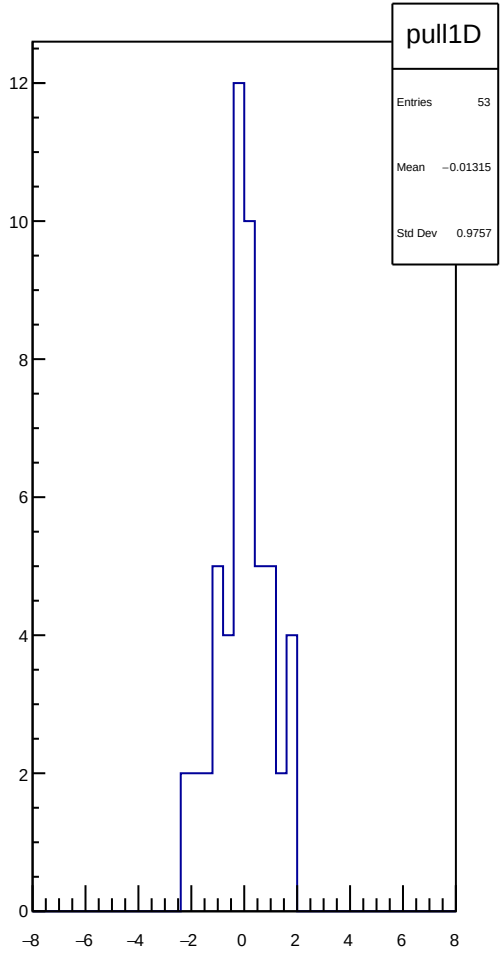

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 38.85 / 52
p0 1572 ± 1.571
1610
1600
1590
1580
1570
1560
1550
1540
1530

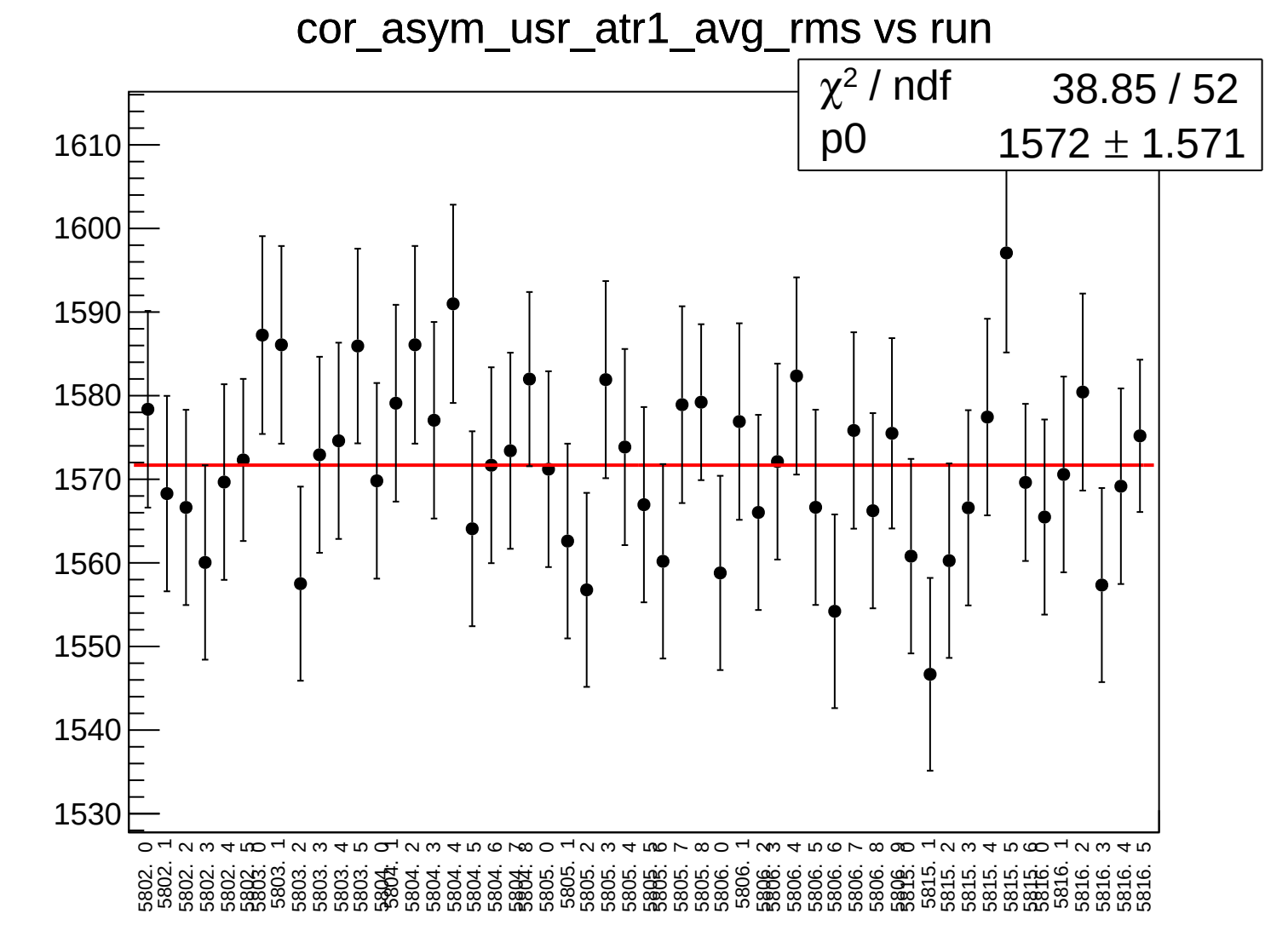

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 64.9 / 52
p0 −496.2 ± 1062
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −45.06
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02989
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 5104 / 52
p0 749.9 ± 0.7512
1050
1000
950
900
850
800
750
700
650


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 50.46 / 52
p0 681.5 ± 2221
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −162.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.01315
Std Dev 0.9757
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 38.85 / 52
p0 1572 ± 1.571
1610
1600
1590
1580
1570
1560
1550
1540
1530
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 3
5815. 4
5815. 5
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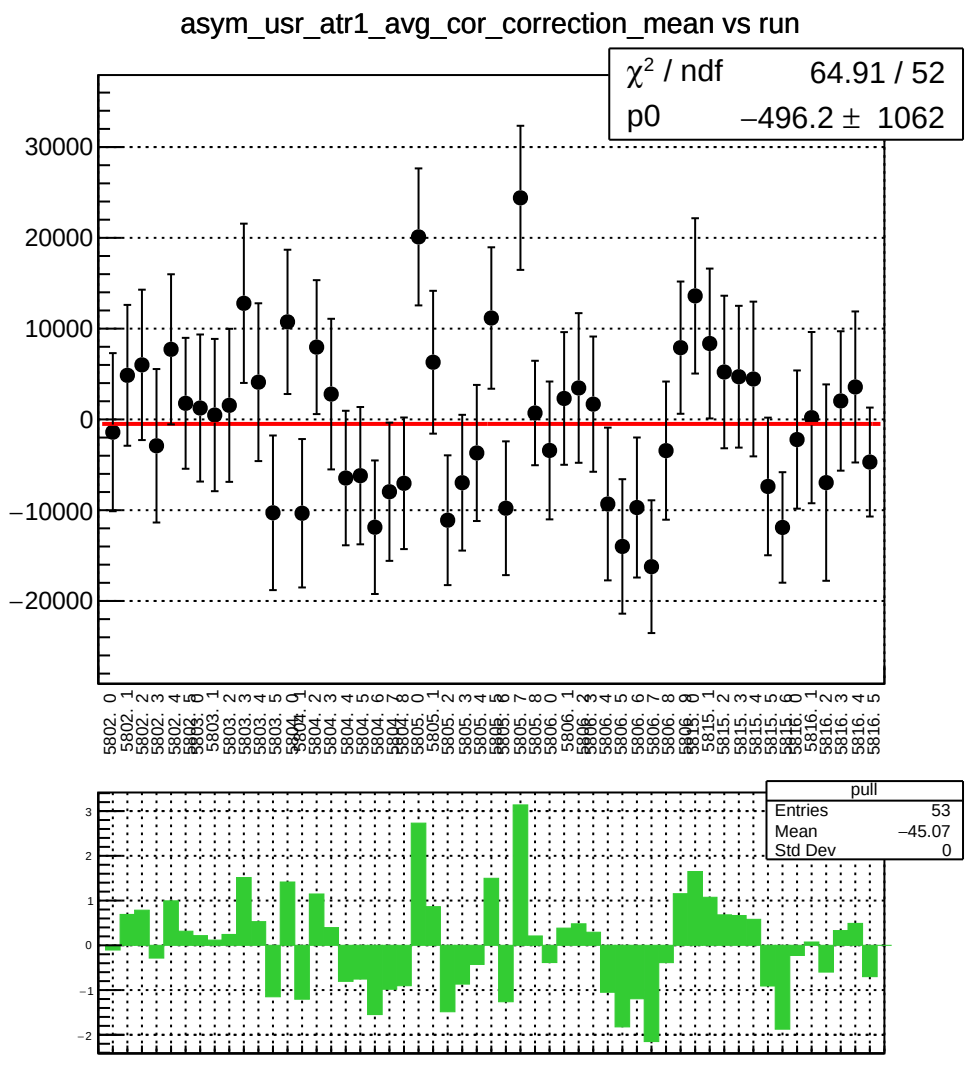
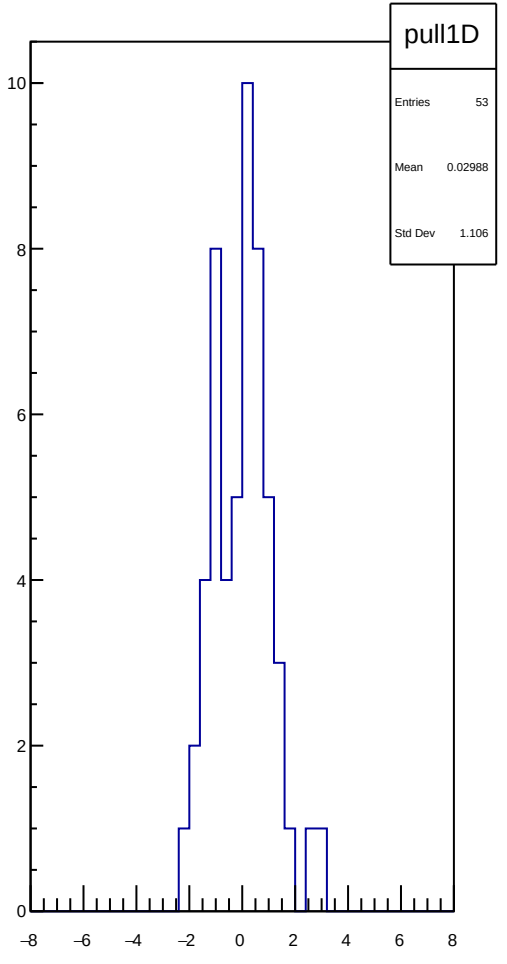
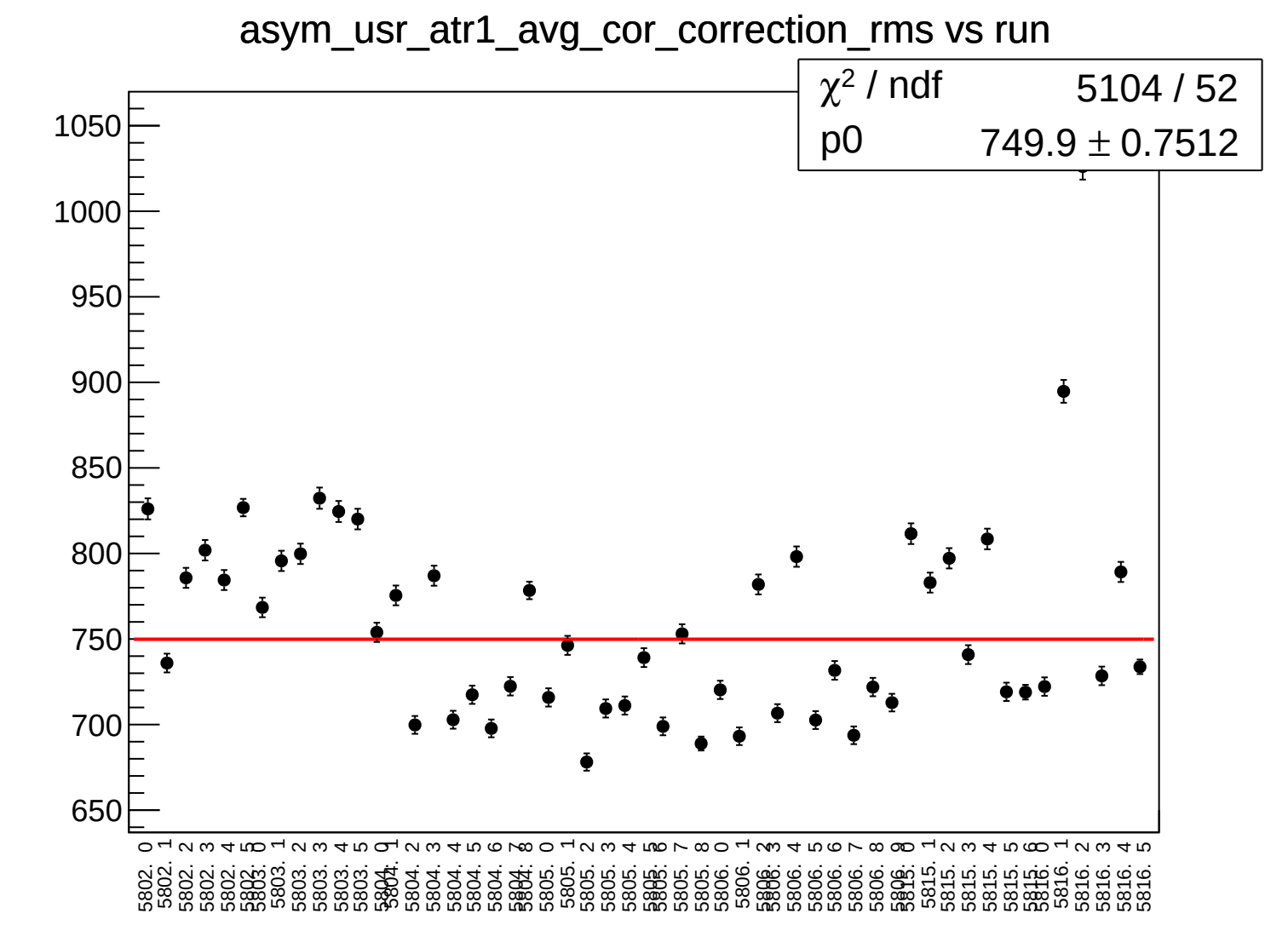
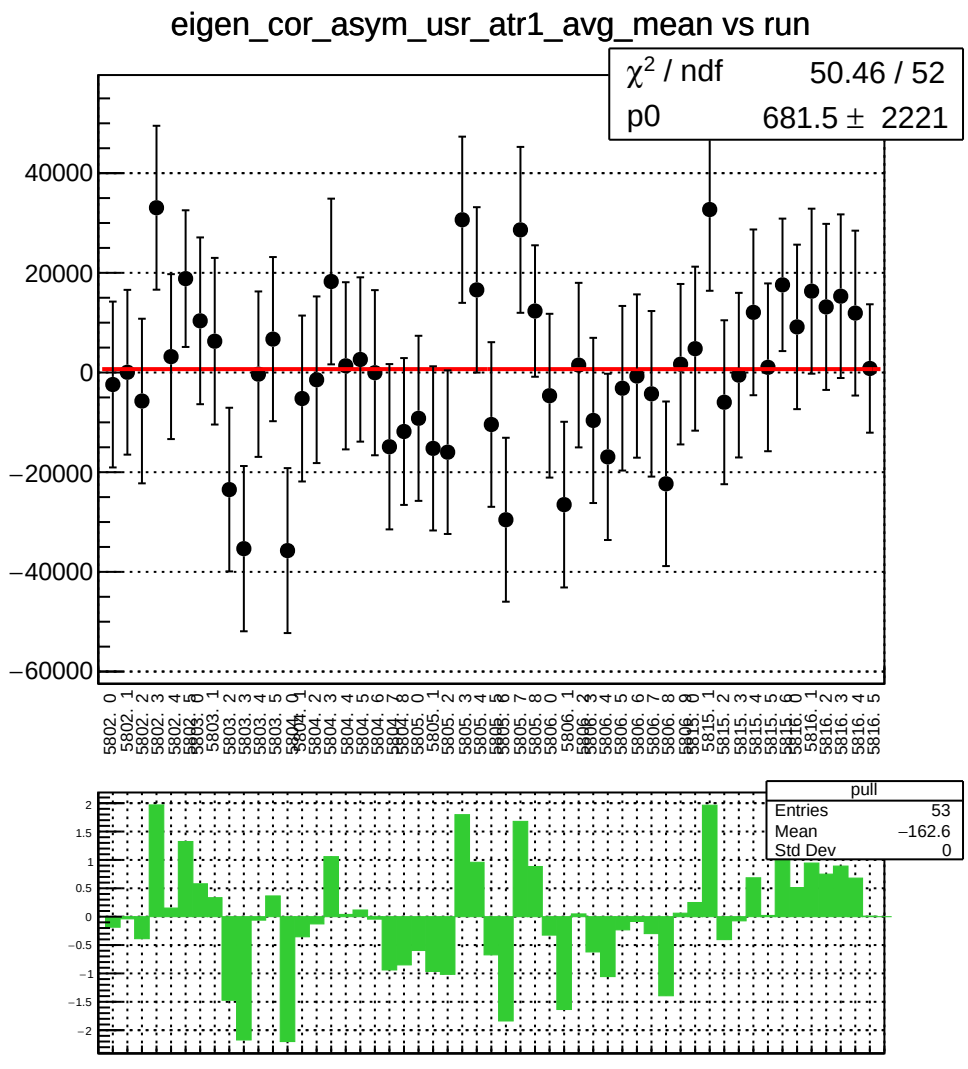
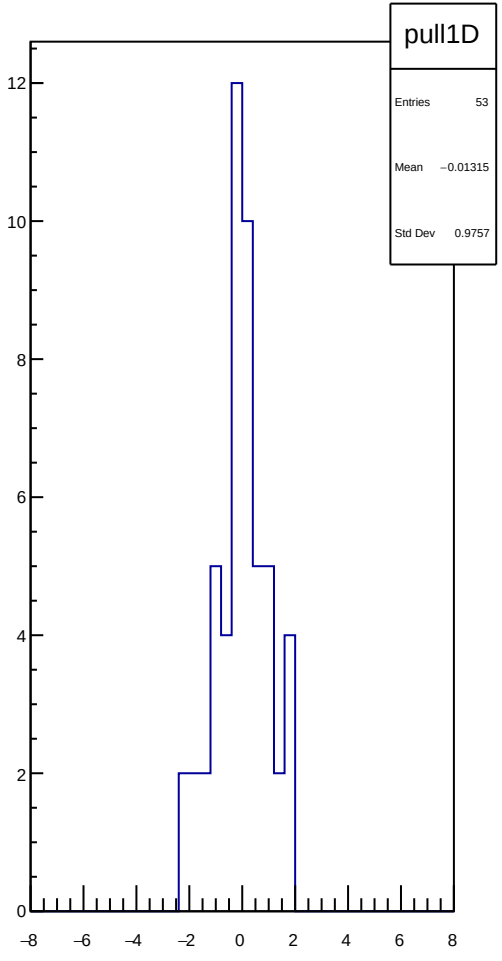
5816. 4
5816. 5

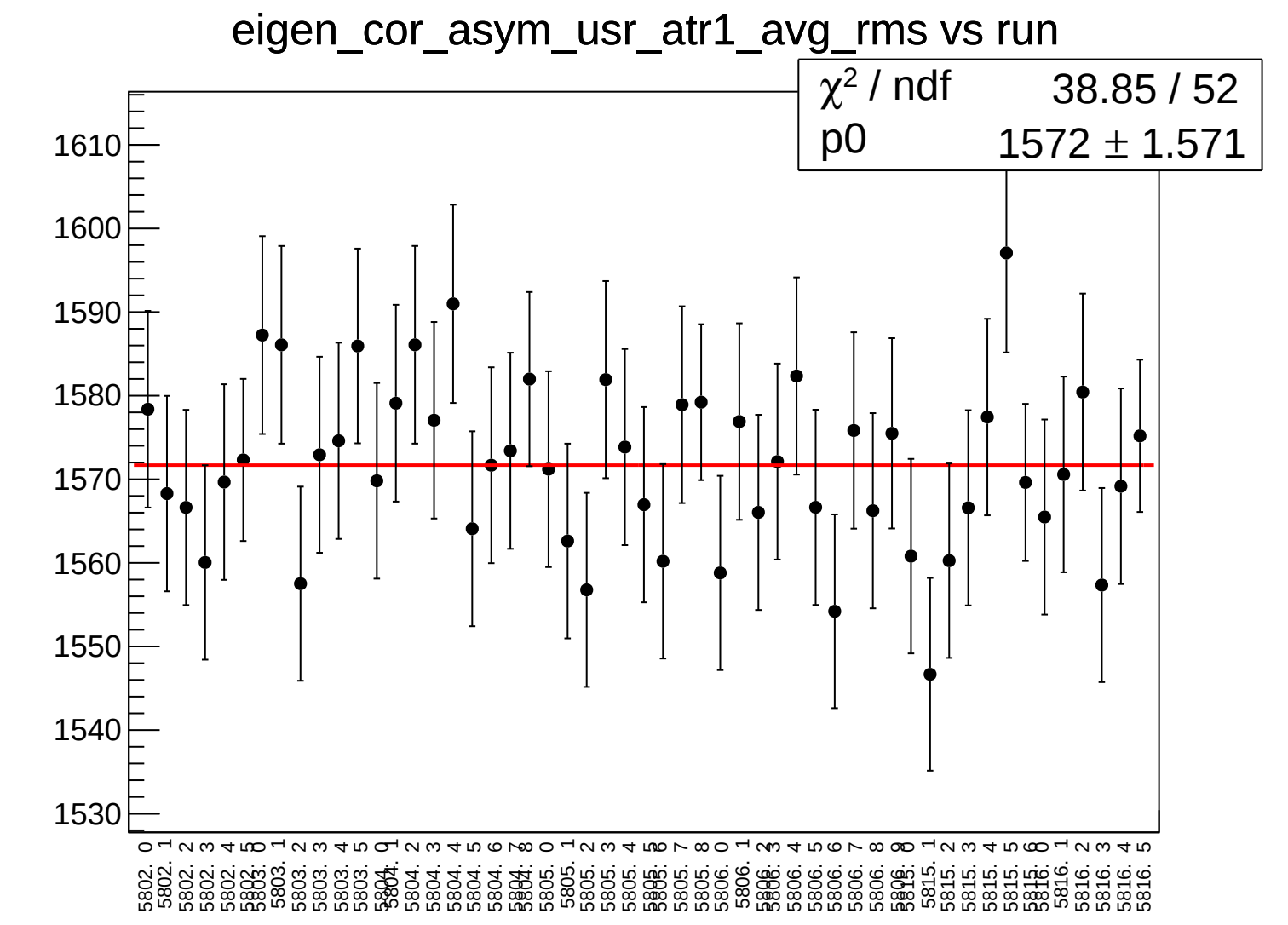

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 64.91 / 52
p0 −496.2 ± 1062
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −45.07
Std Dev 0
3
2
1
0
−1
−2

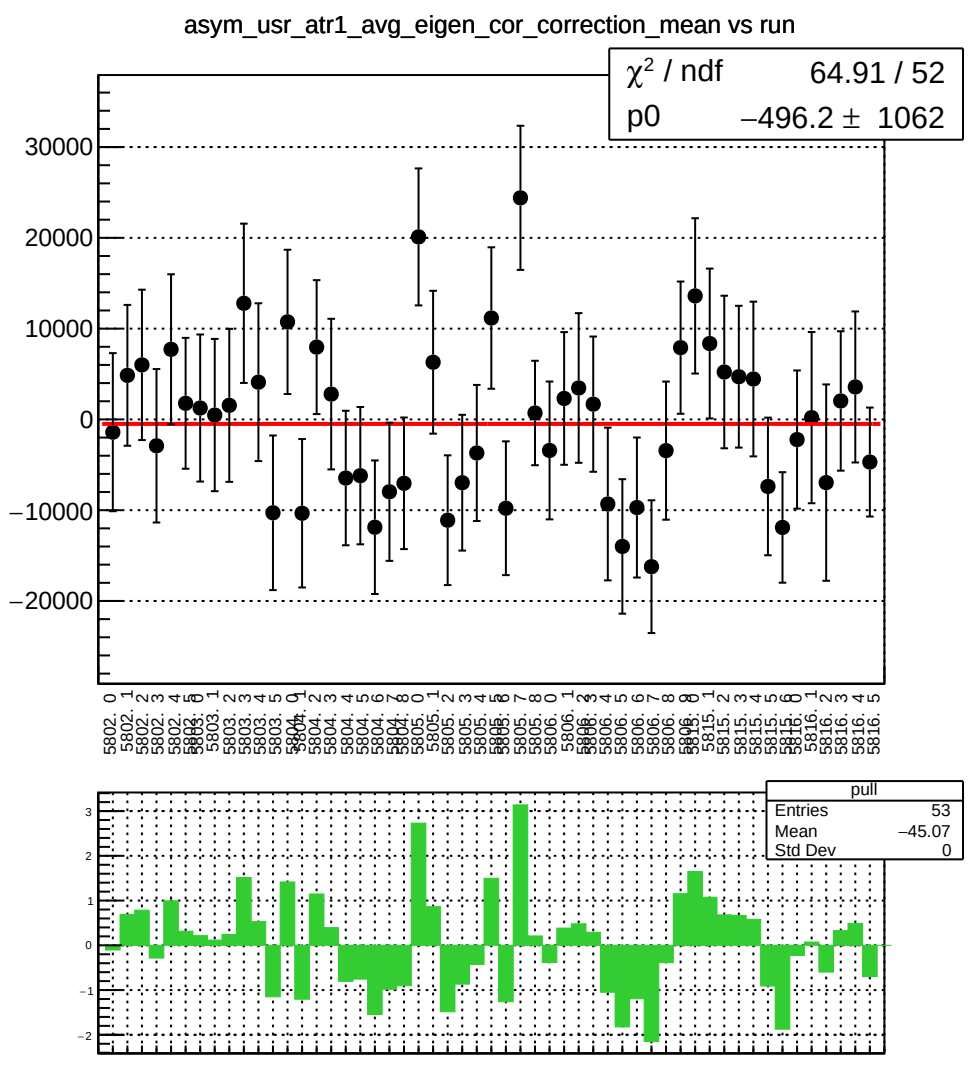

pull1D
Entries 53
Mean 0.02988
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

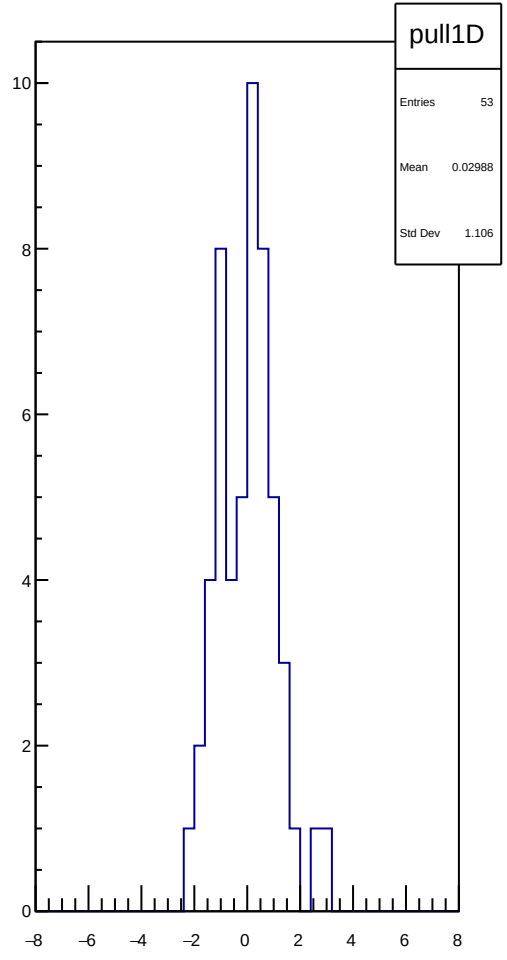

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5104 / 52
p0 749.9 ± 0.7512
1050
1000
950
900
850
800
750
700
650

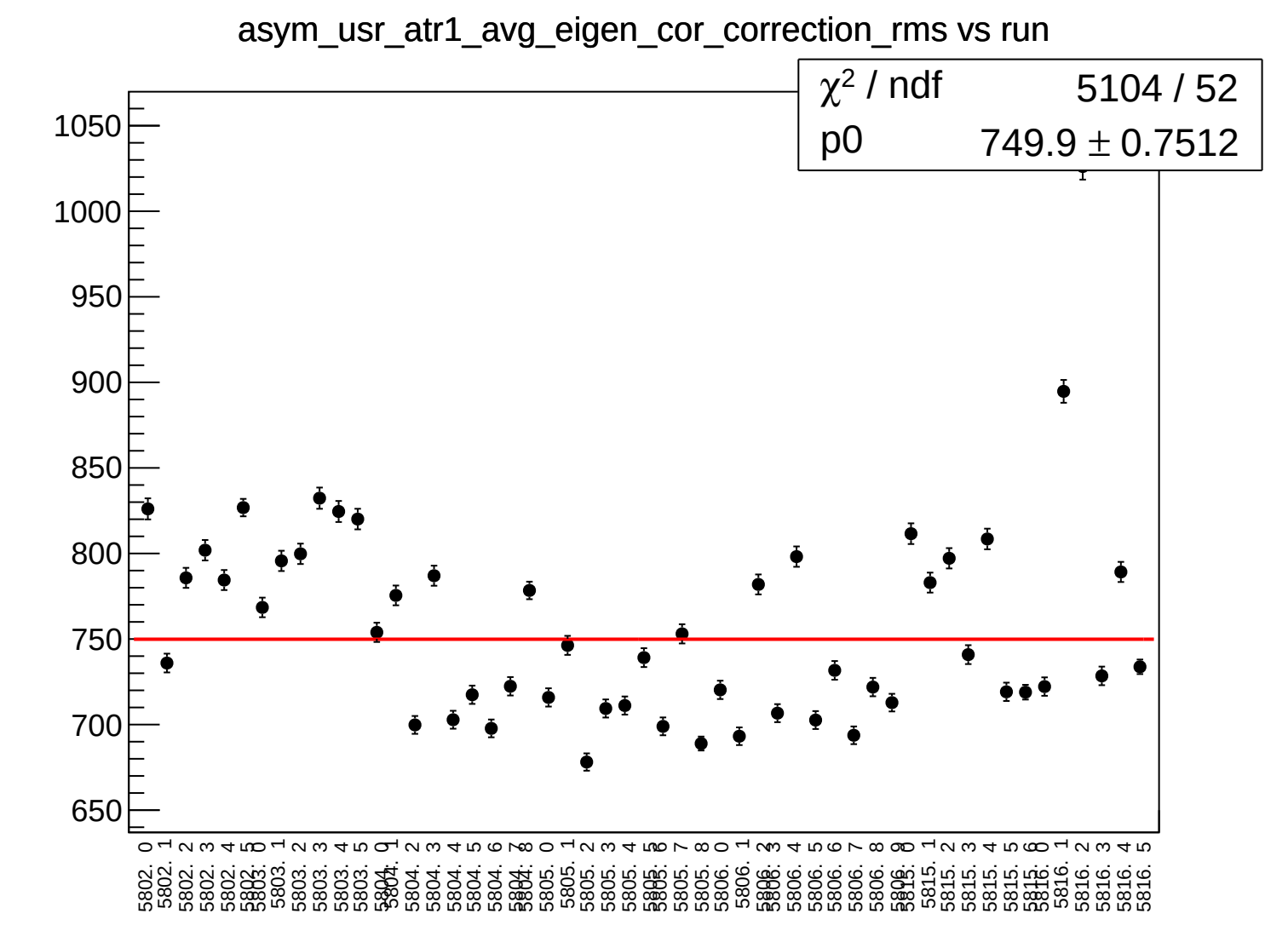

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 50.46 / 52
p0 681.5 ± 2221
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −162.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

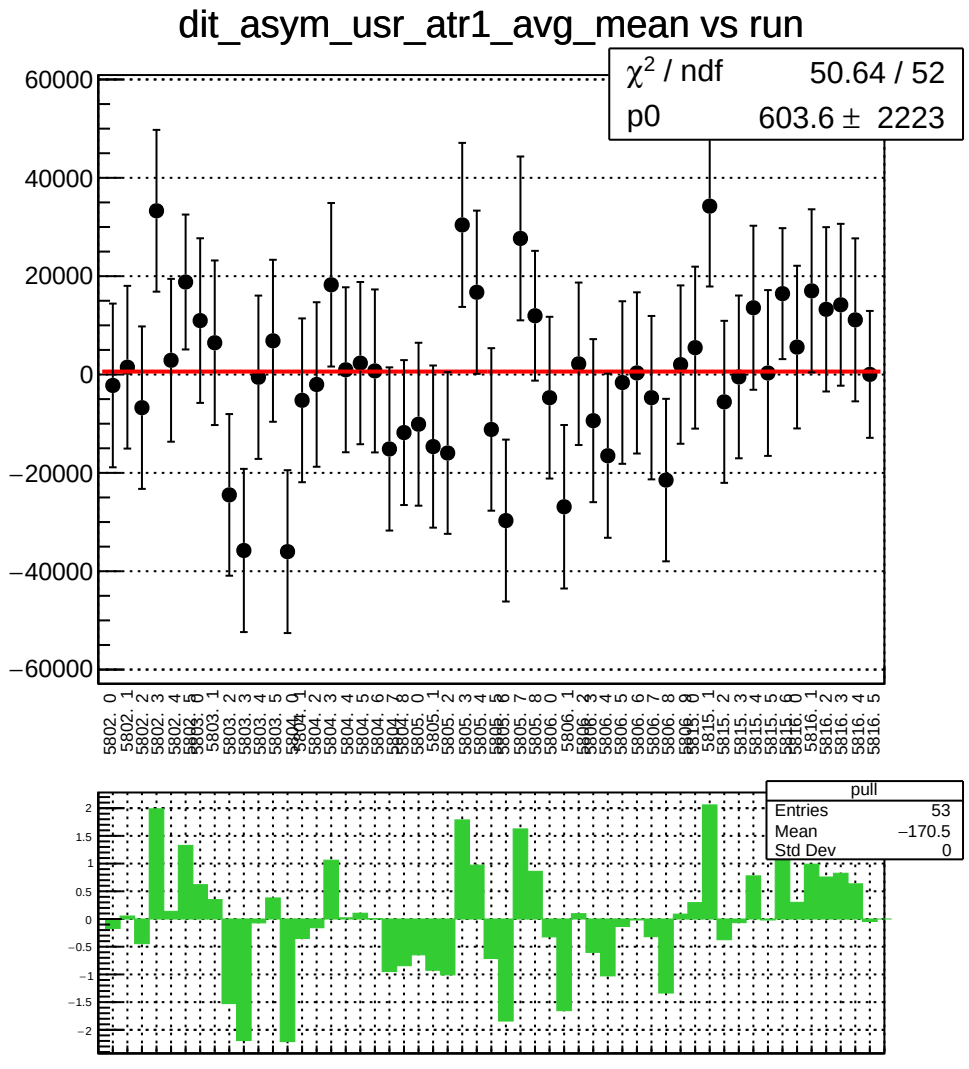

pull1D
Entries 53
Mean −0.01315
Std Dev 0.9757
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

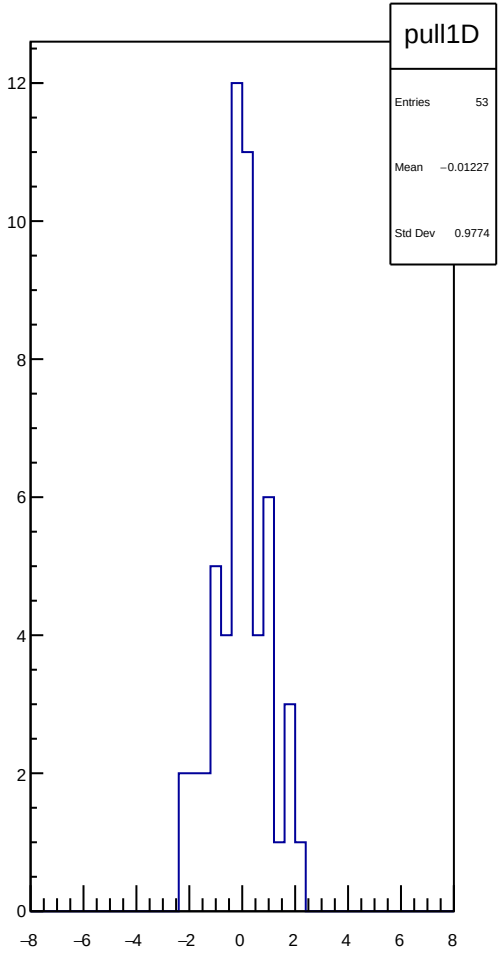

eigen_cor_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 38.85 / 52
p0 1572 ± 1.571
1610
1600
1590
1580
1570
1560
1550
1540
1530

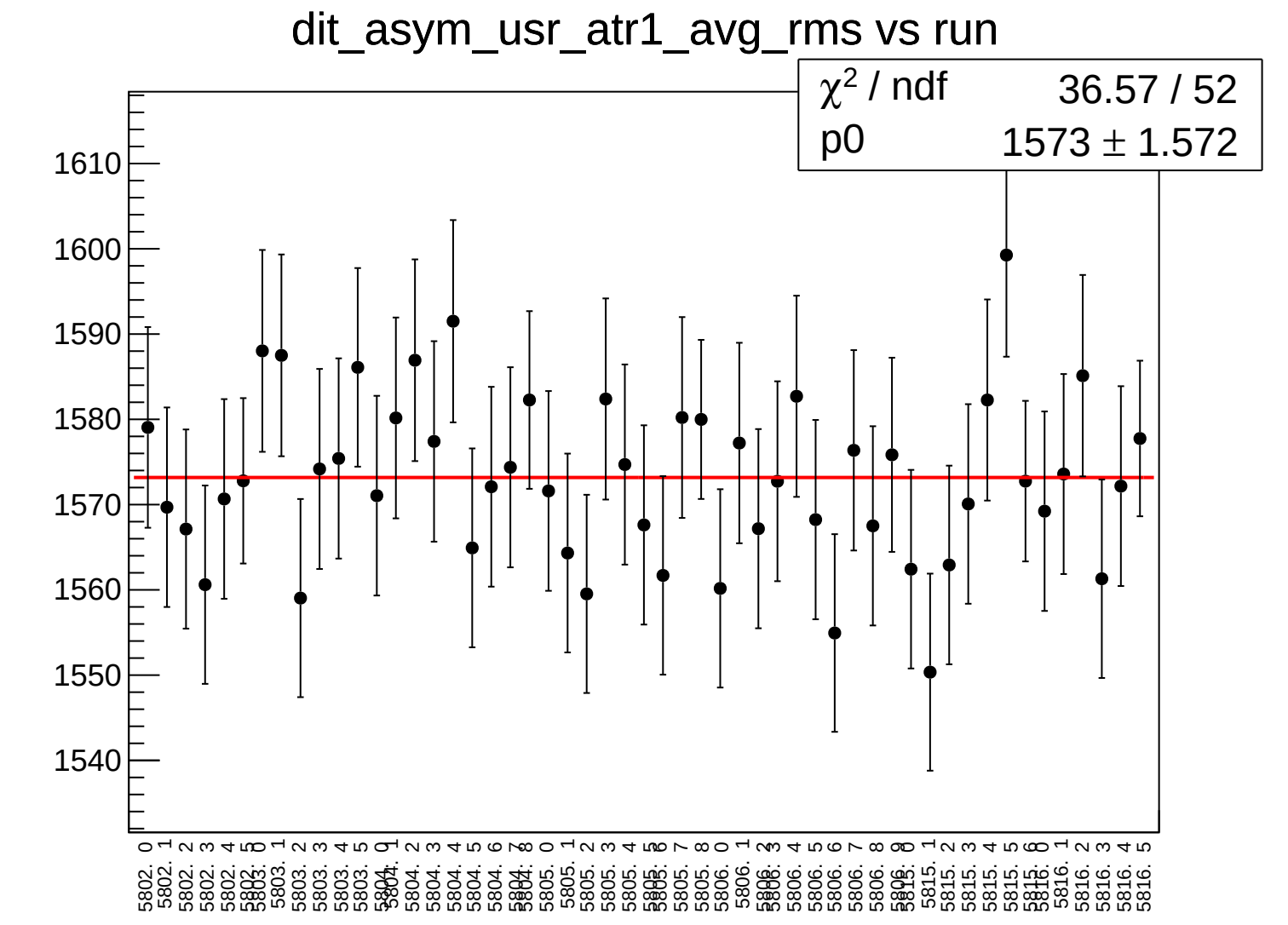

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.91 / 52
p0 −496.2 ± 1062
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −45.07
Std Dev 0
3
2
1
0
−1
−2

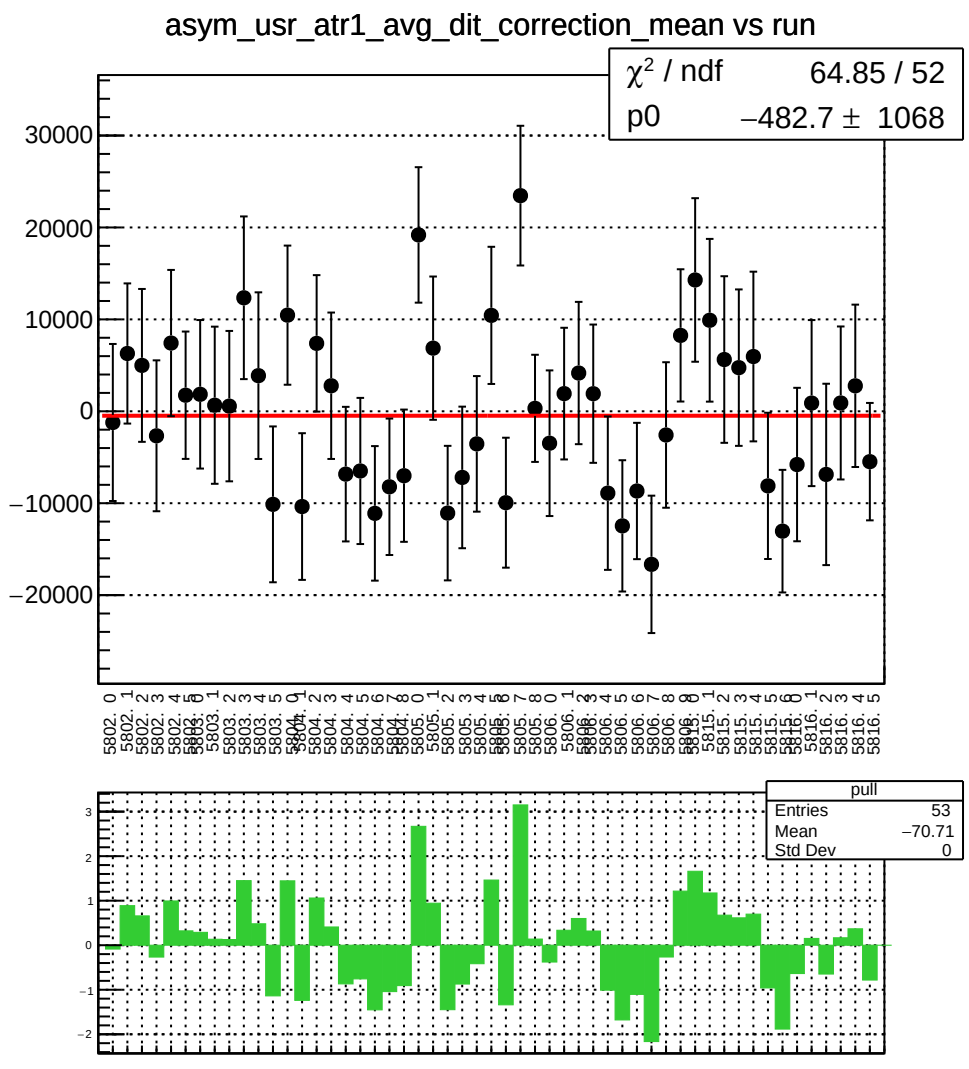

pull1D
Entries 53
Mean 0.02988
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

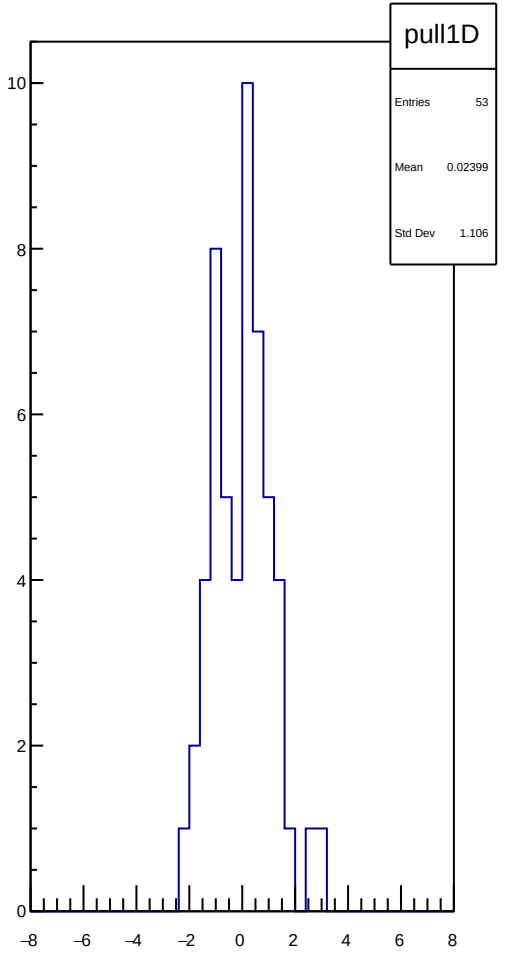

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5104 / 52
p0 749.9 ± 0.7512
1050
1000
950
900
850
800
750
700
650

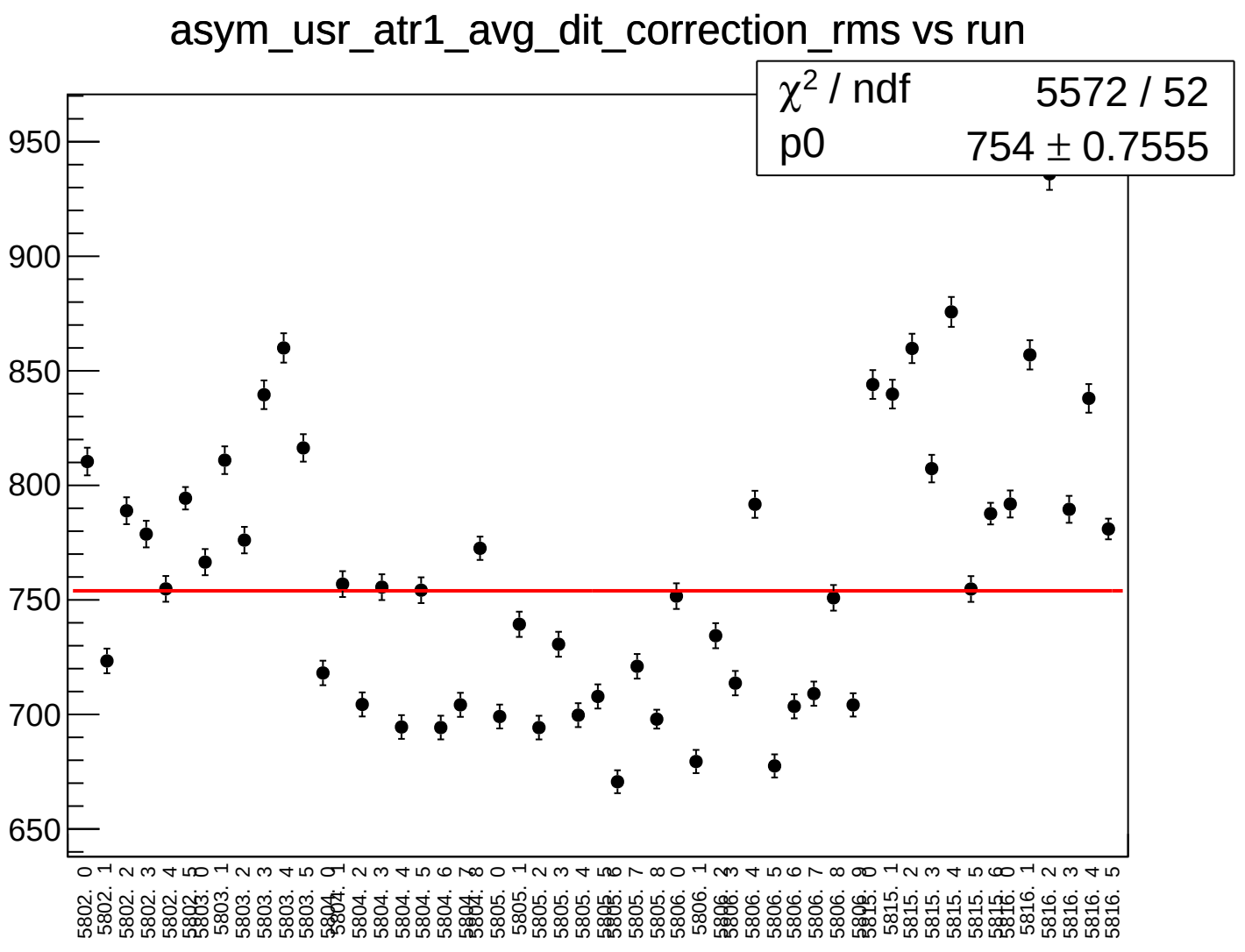

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 50.64 / 52
p0 603.6 ± 2223
pull
Entries 53
Mean −170.5
Std Dev 0

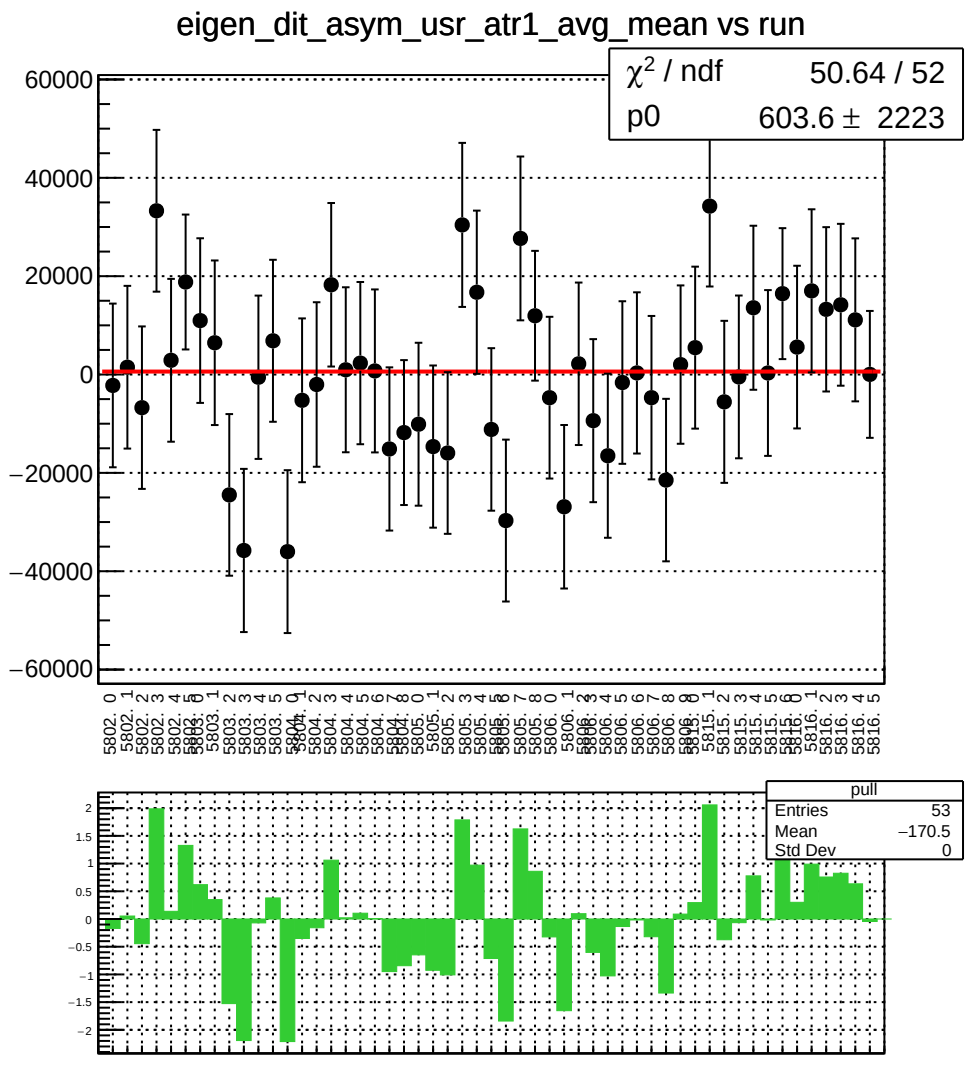

pull1D
Entries 53
Mean −0.01227
Std Dev 0.9774

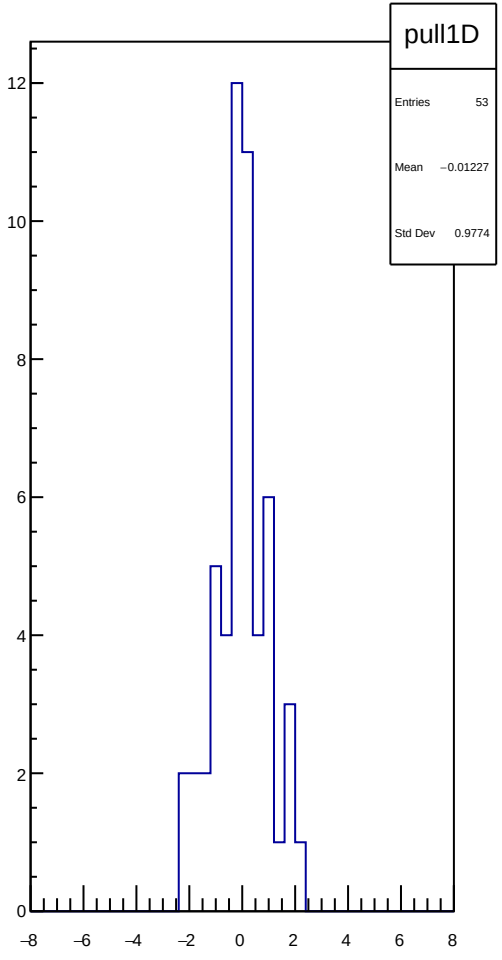

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 36.57 / 52
p0 1573 ± 1.572
1610
1600
1590
1580
1570
1560
1550
1540

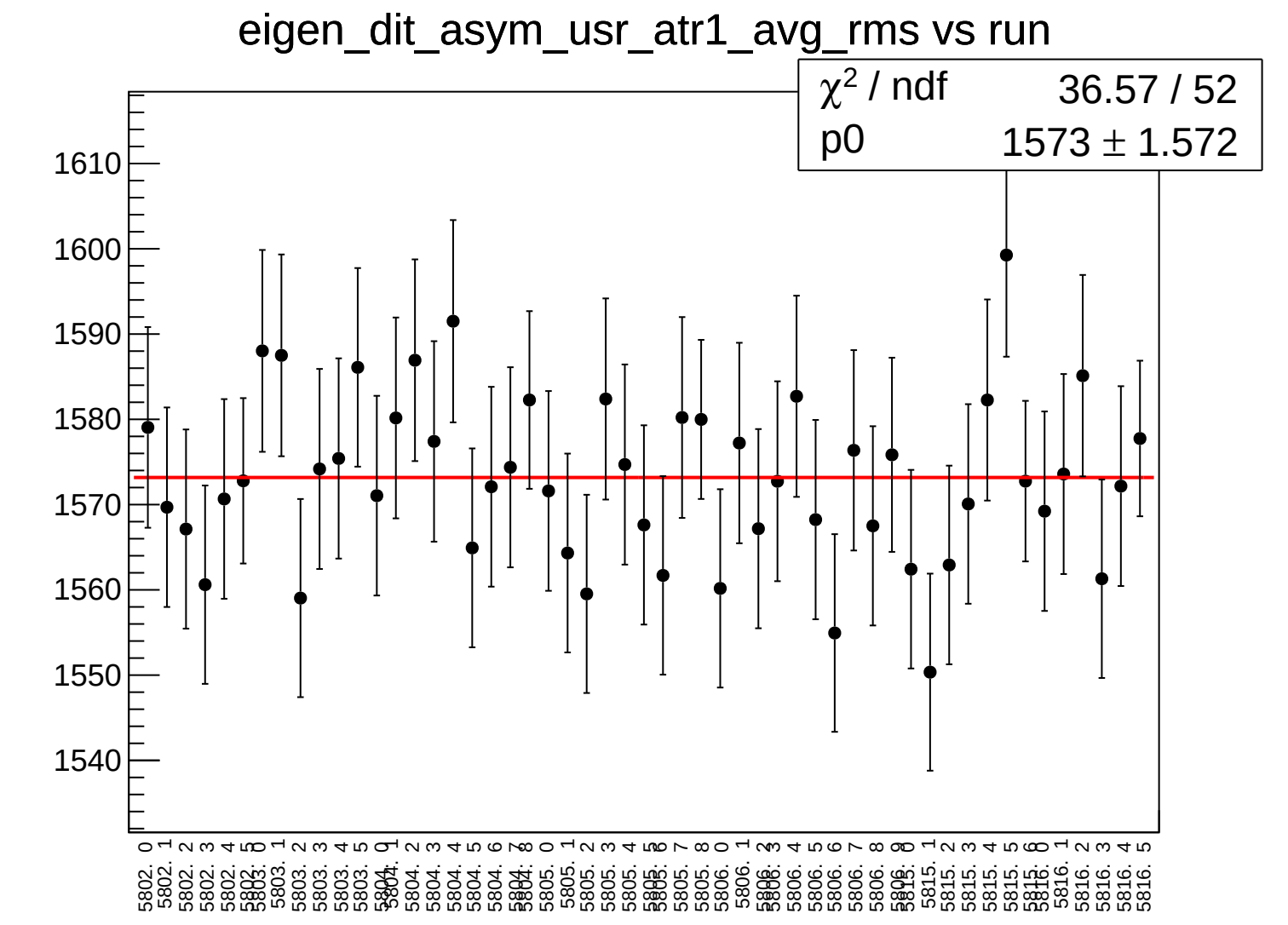

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 64.85 / 52
p0 −482.7 ± 1068
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −70.71
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02399
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 5572 / 52
p0 754 ± 0.7555
950
900
850
800
750
700
650


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 50.64 / 52
p0 603.6 ± 2223
pull
Entries 53
Mean −170.5
Std Dev 0


pull1D
Entries 53
Mean −0.01227
Std Dev 0.9774


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 36.57 / 52
p0 1573 ± 1.572
1610
1600
1590
1580
1570
1560
1550
1540
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 5
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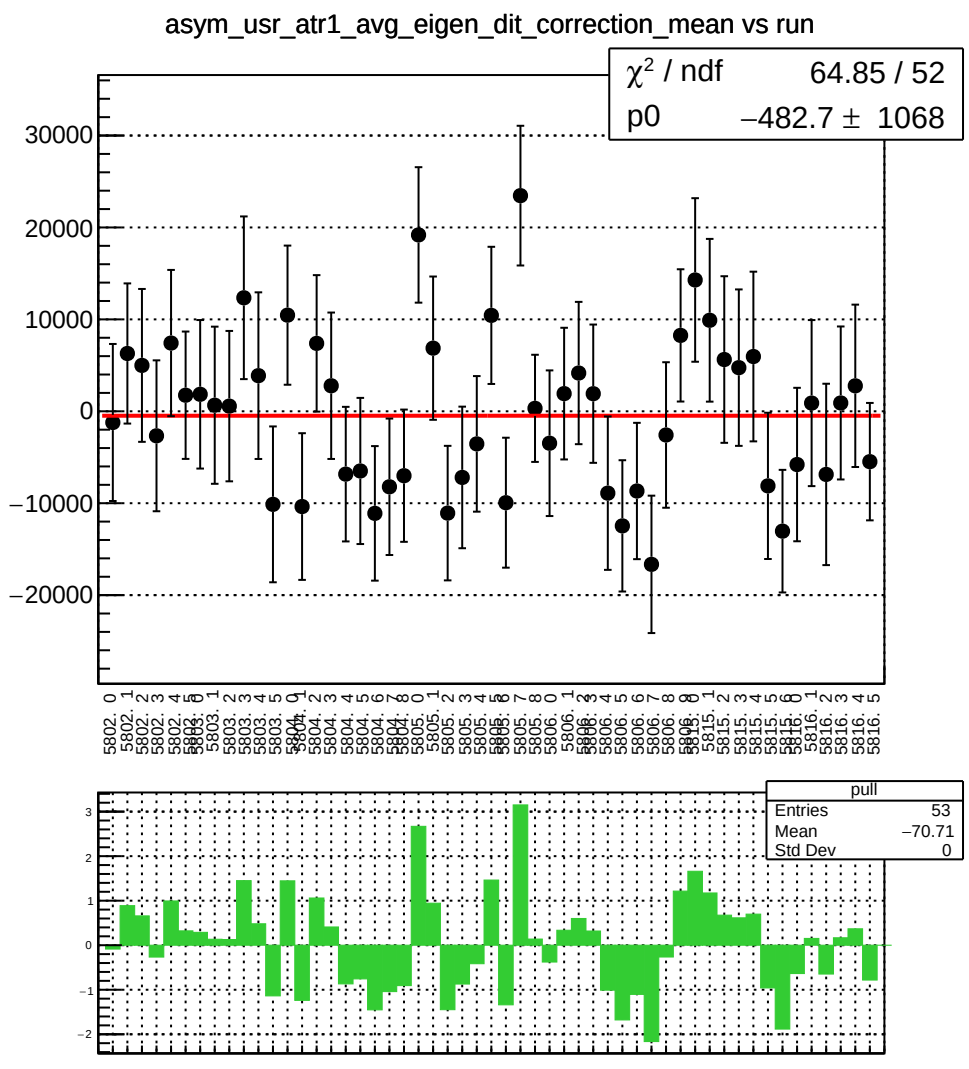
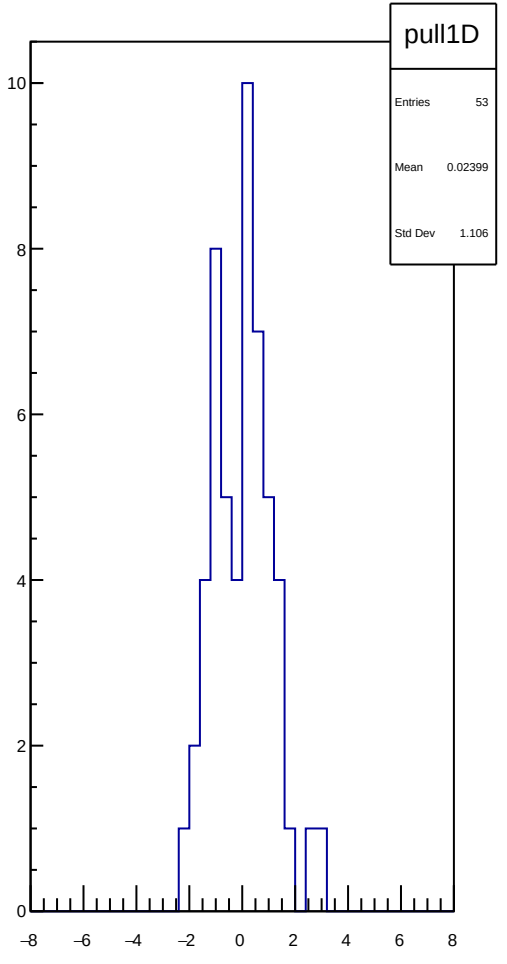
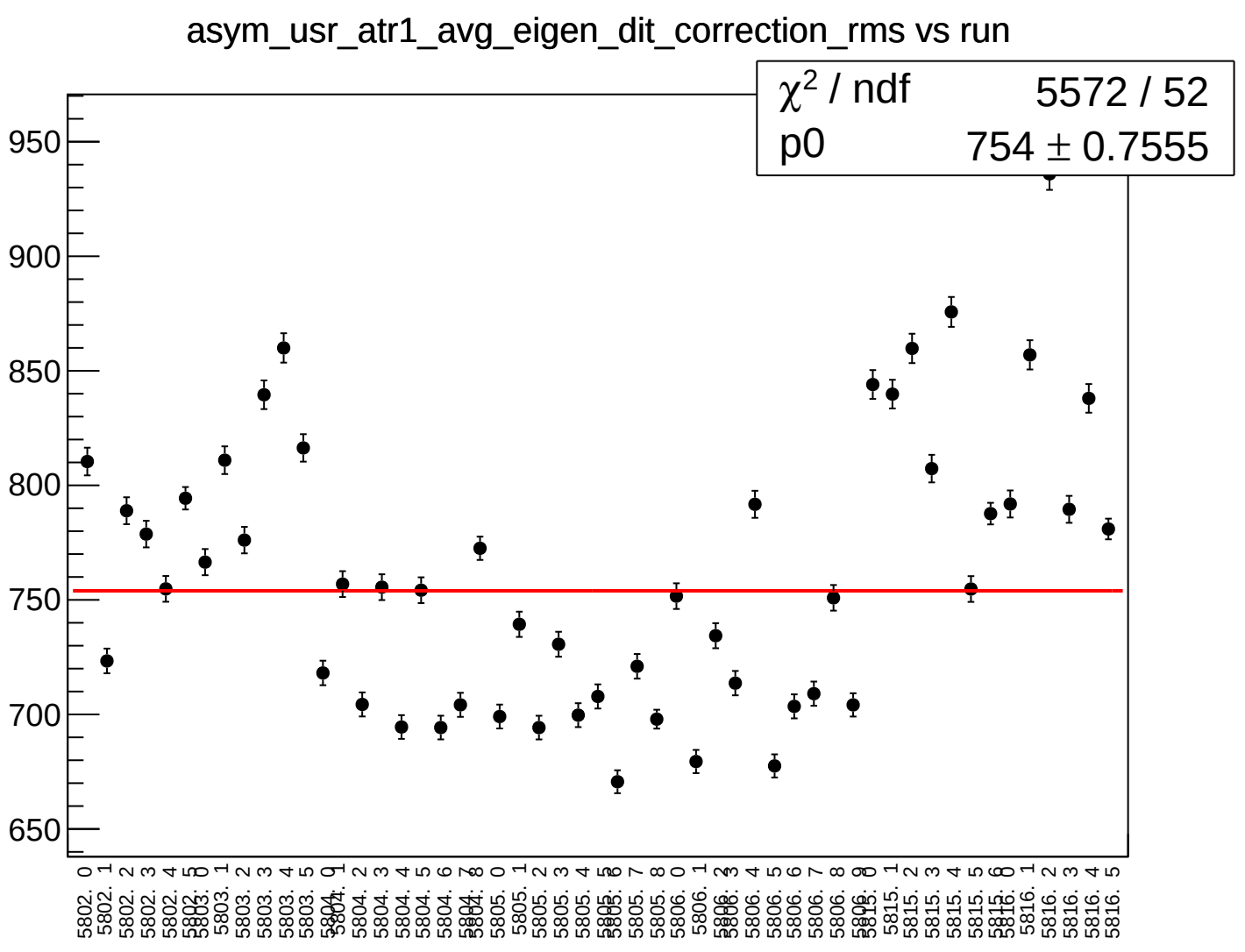
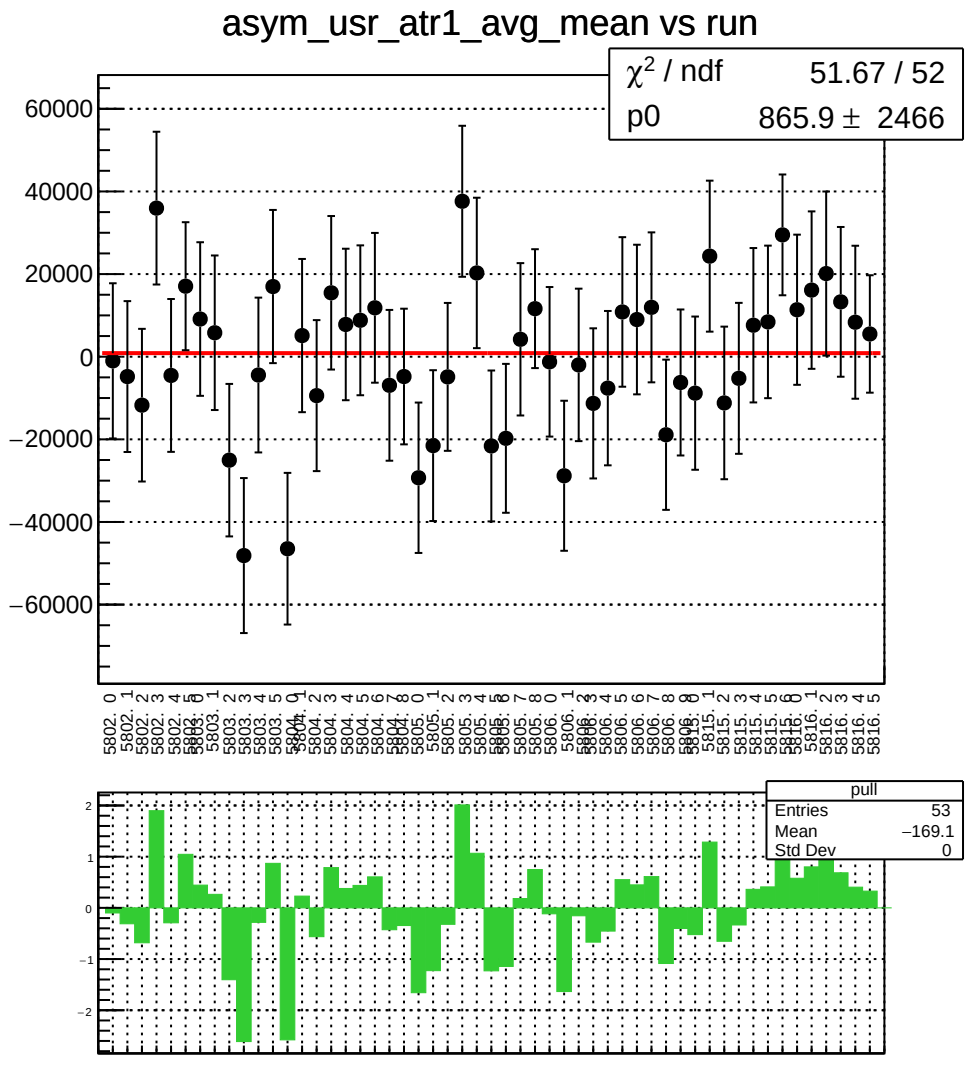
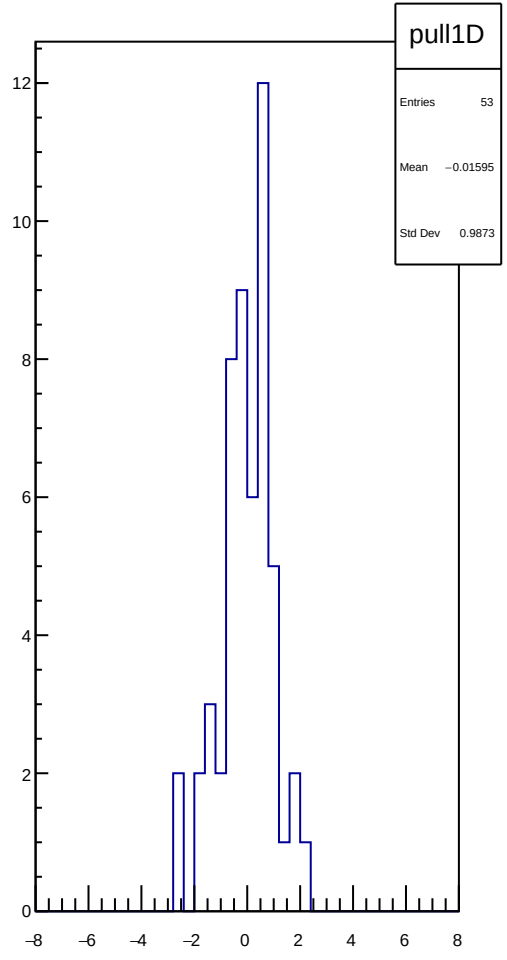
5816. 4
5816. 5

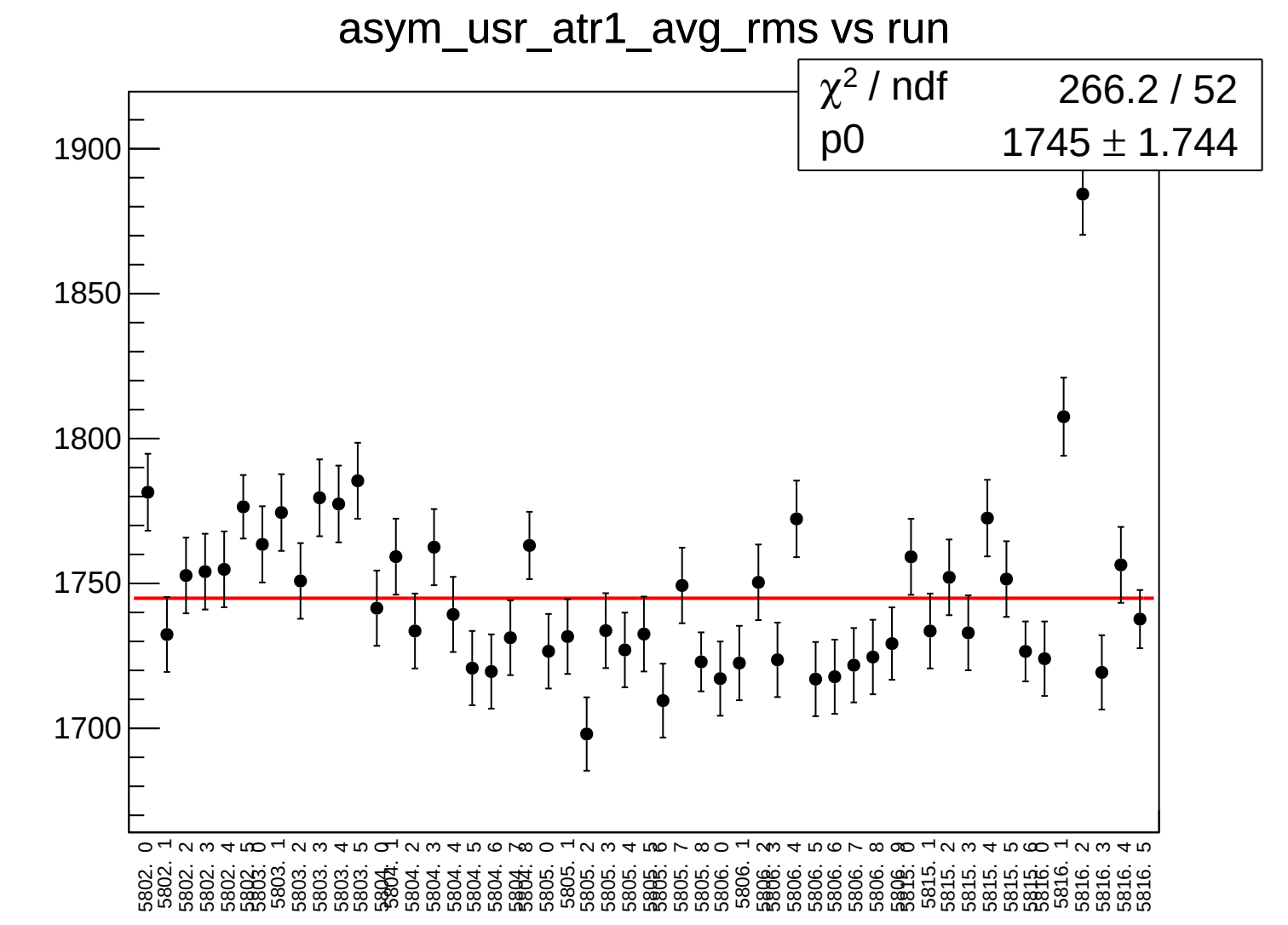

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.85 / 52
p0 −482.7 ± 1068
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −70.71
Std Dev 0
3
2
1
0
−1
−2

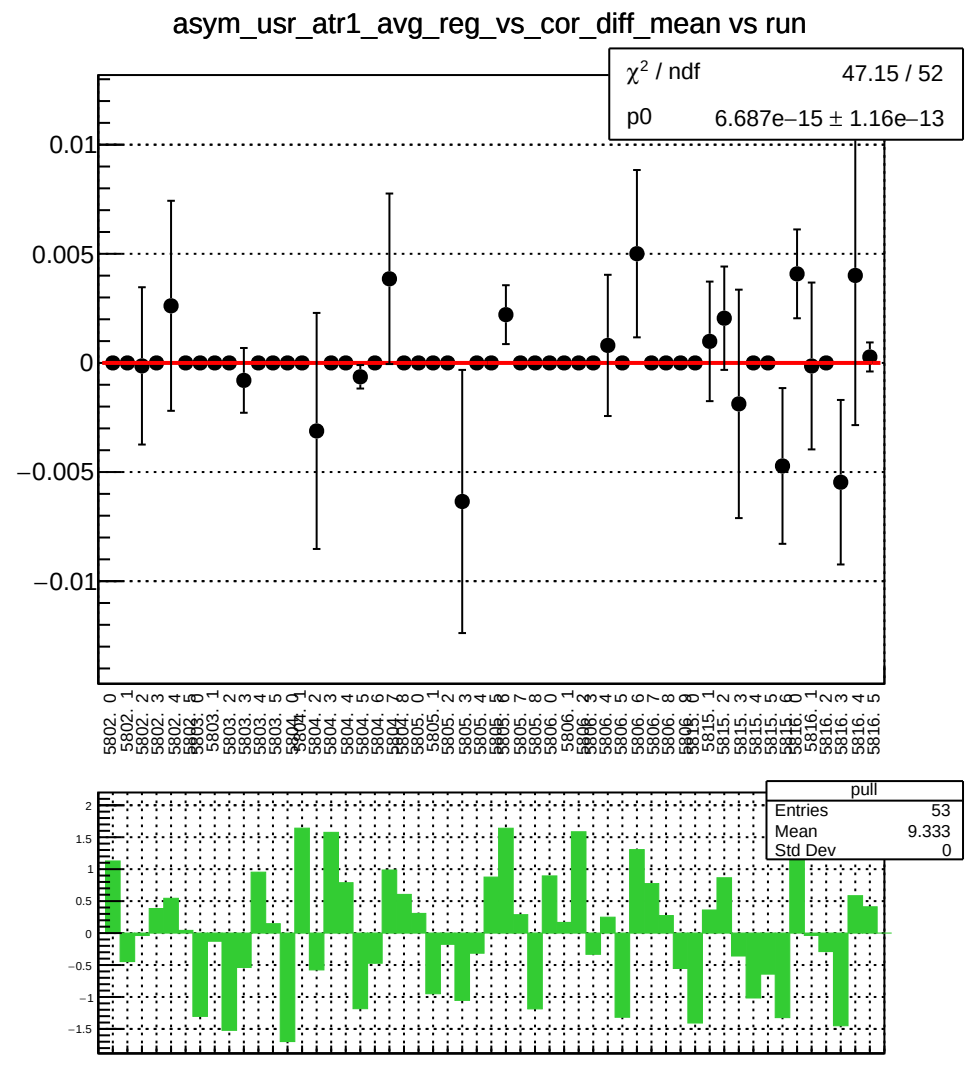

pull1D
Entries 53
Mean 0.02399
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

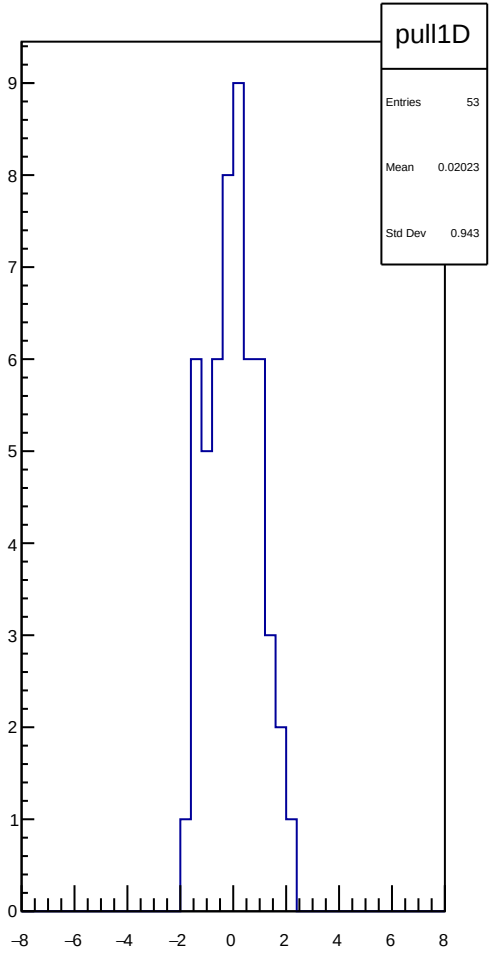

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 5572 / 52
p0 754 ± 0.7555
950
900
850
800
750
700
650

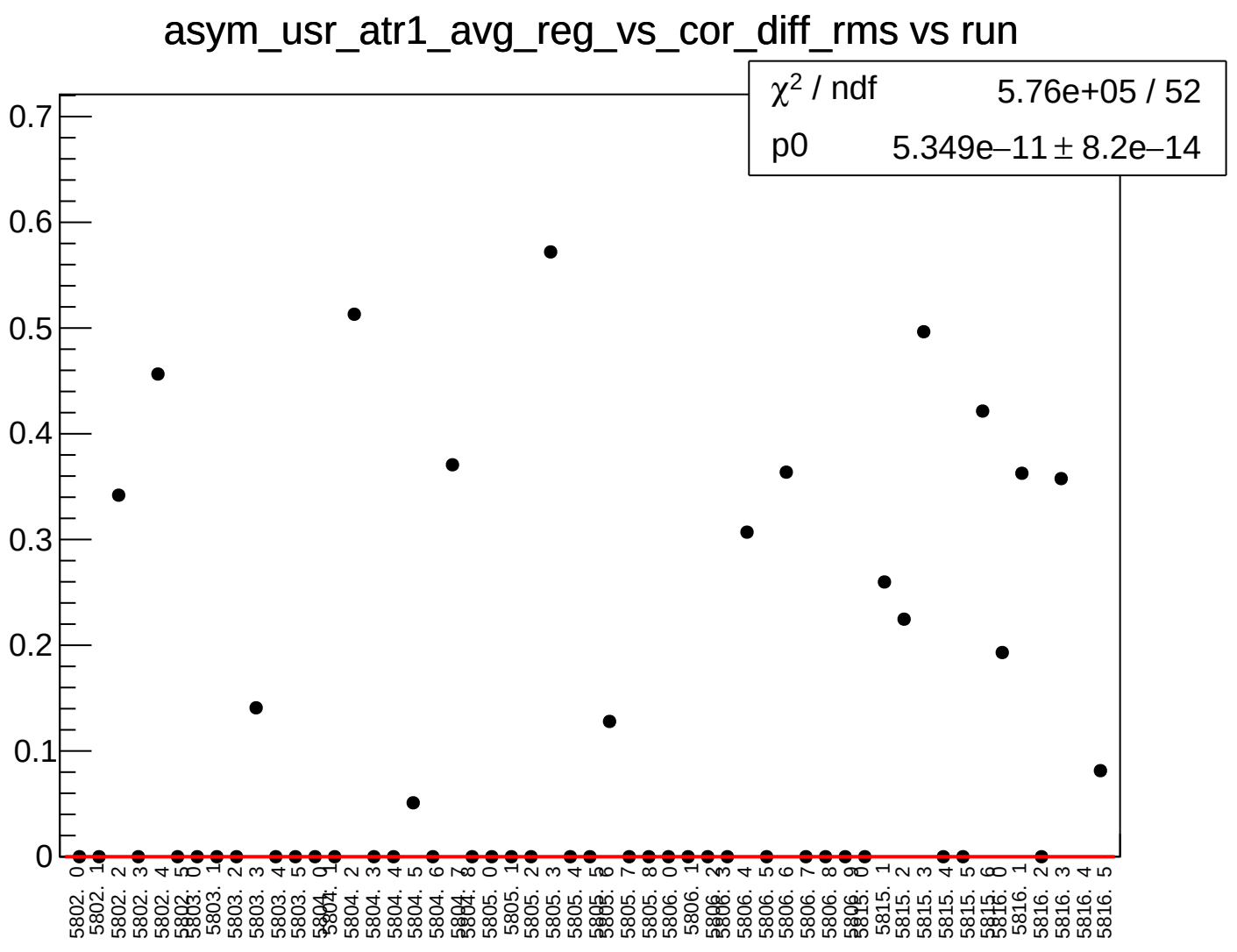

asym_usr_atr1_avg_mean vs run
χ² / ndf 51.67 / 52
p0 865.9 ± 2466
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −169.1
Std Dev 0
2
1
0
−1
−2

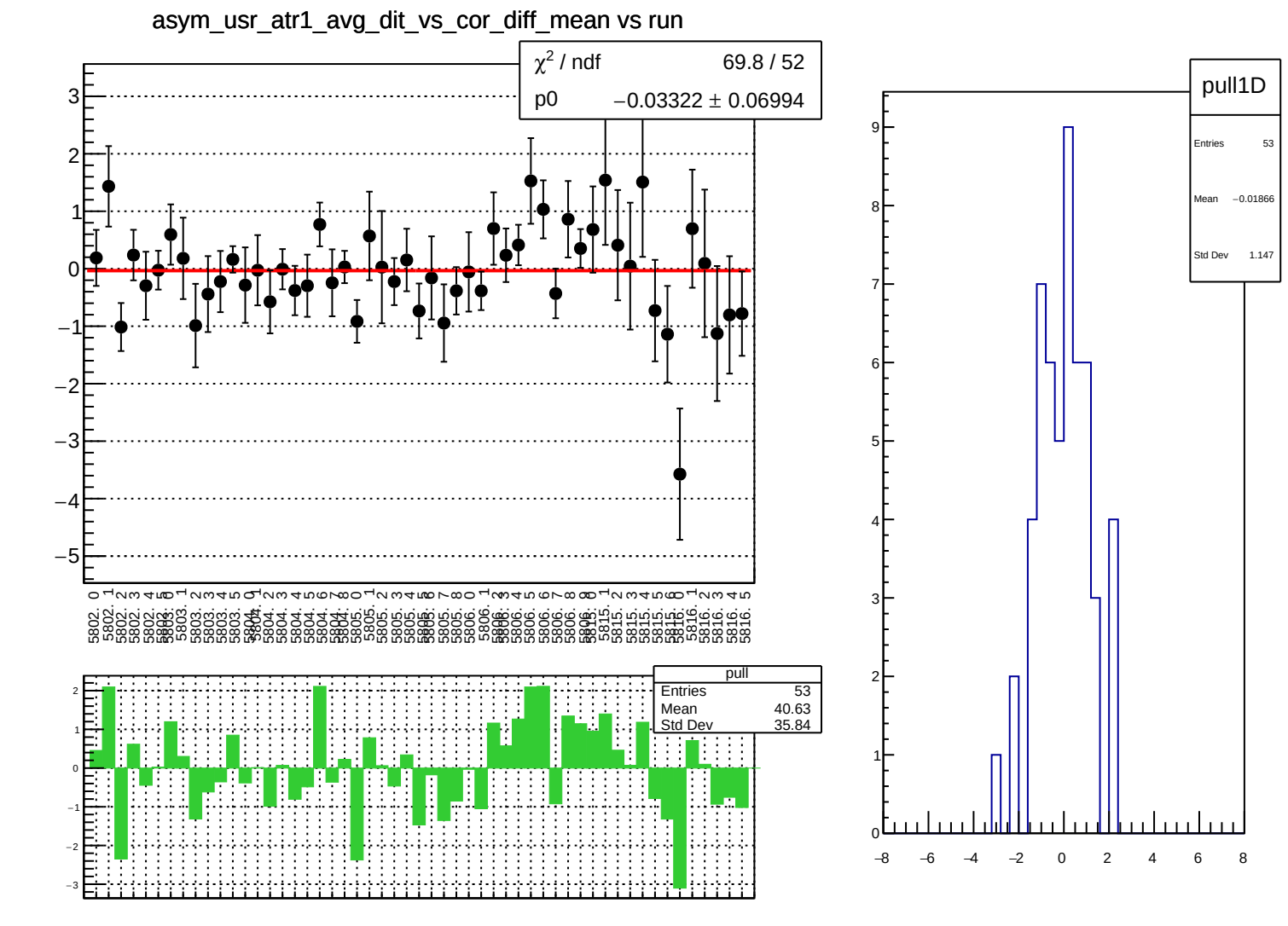

pull1D
Entries 53
Mean −0.01595
Std Dev 0.9873
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

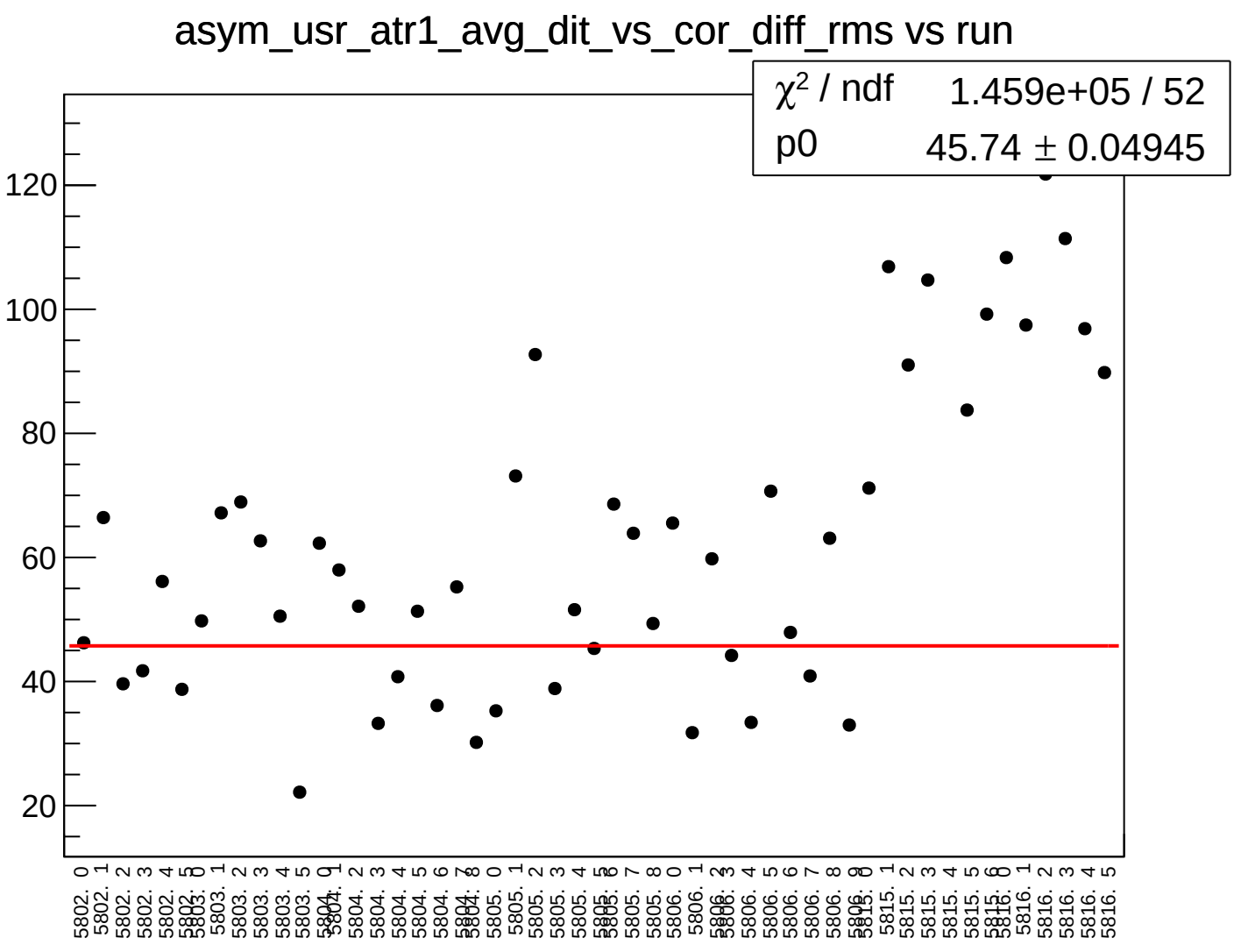

asym_usr_atr1_avg_rms vs run
χ² / ndf 266.2 / 52
p0 1745 ± 1.744
1900
1850
1800
1750
1700

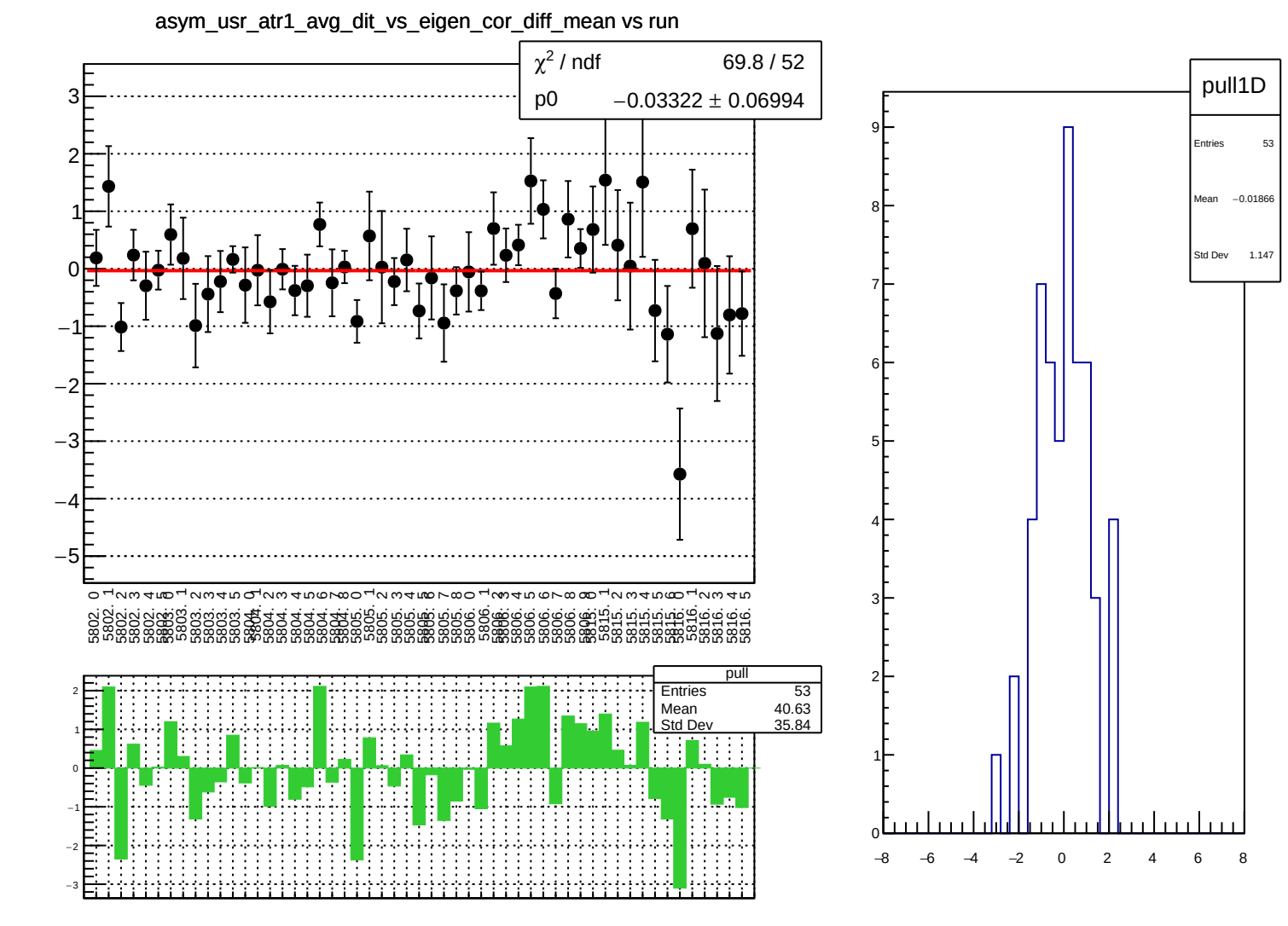

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.15 / 52
p0 6.687e−15 ± 1.16e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 53
Mean 9.333
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

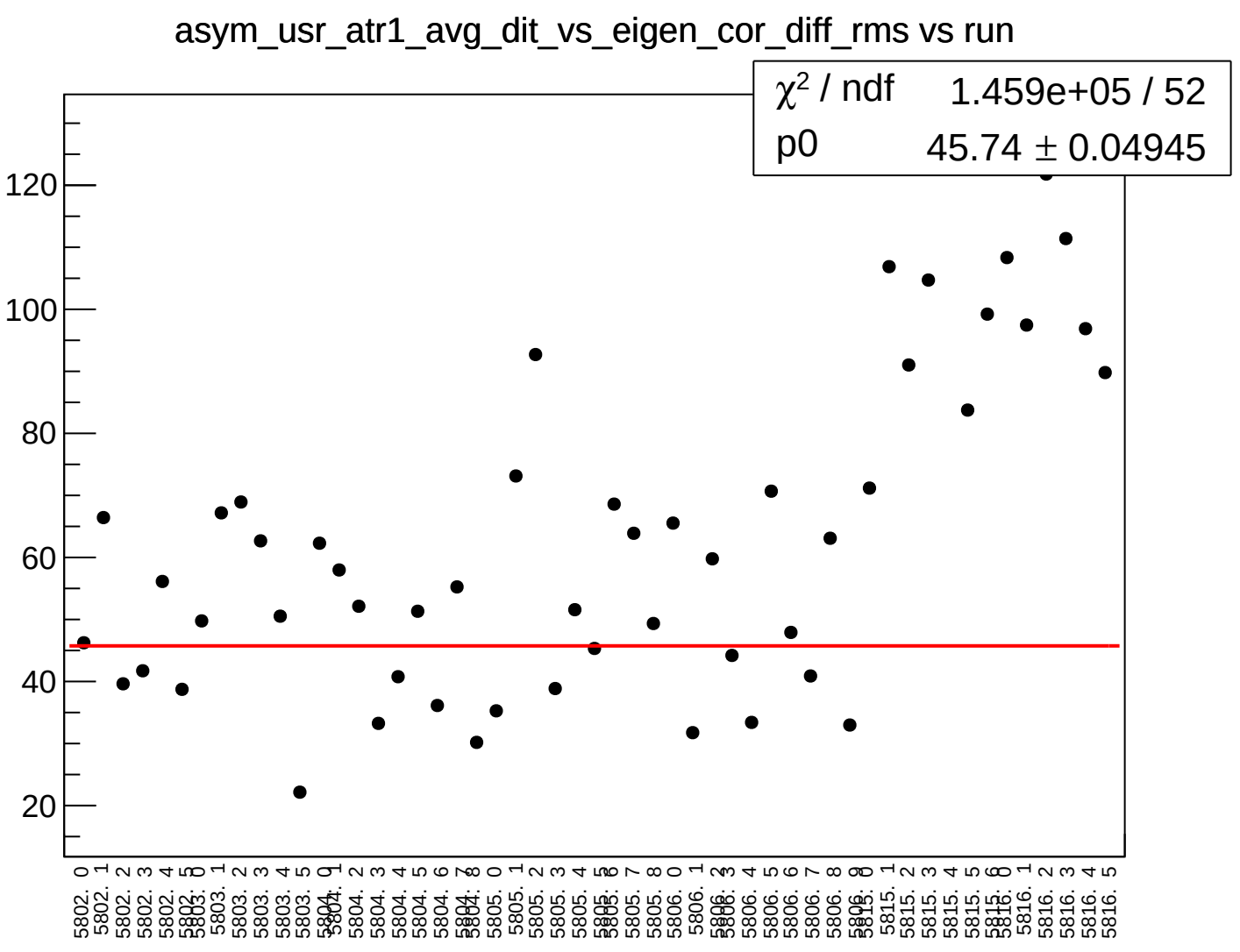

pull1D
Entries 53
Mean 0.02023
Std Dev 0.943
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

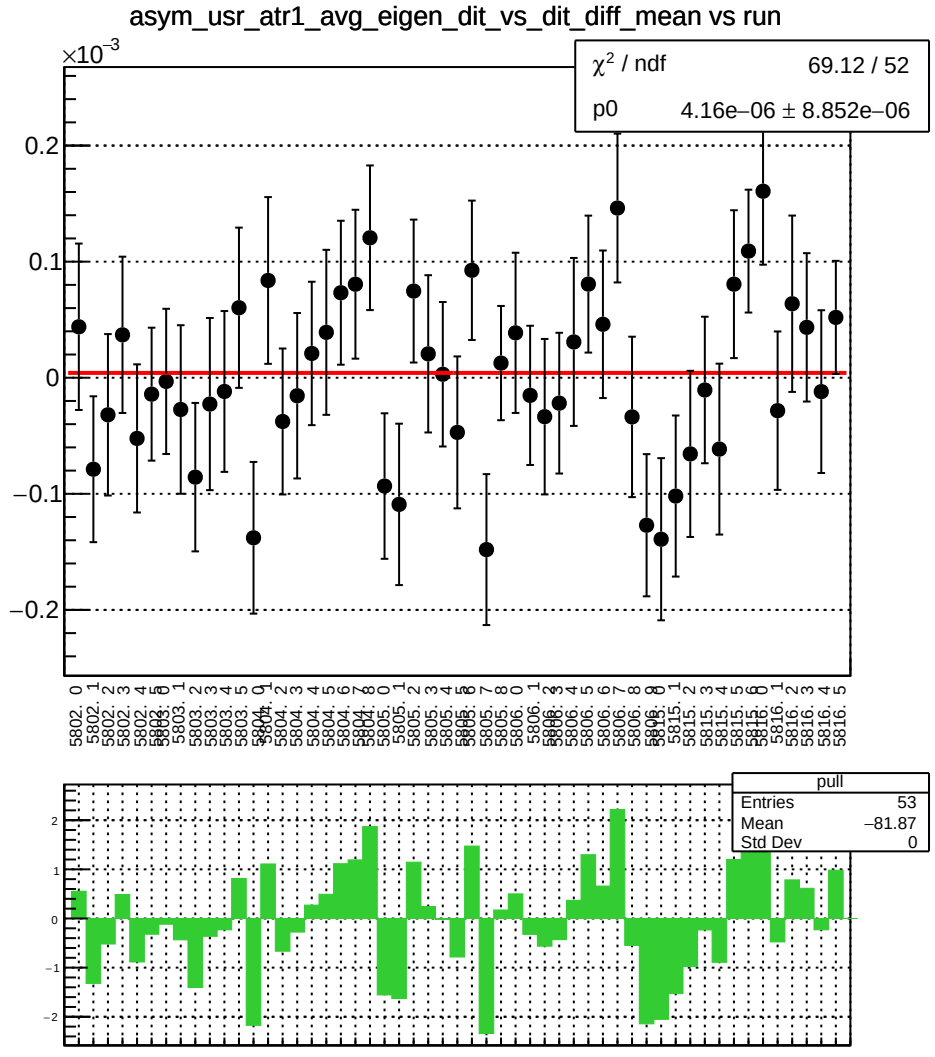

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.76e+05 / 52
p0 5.349e−11 ± 8.2e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

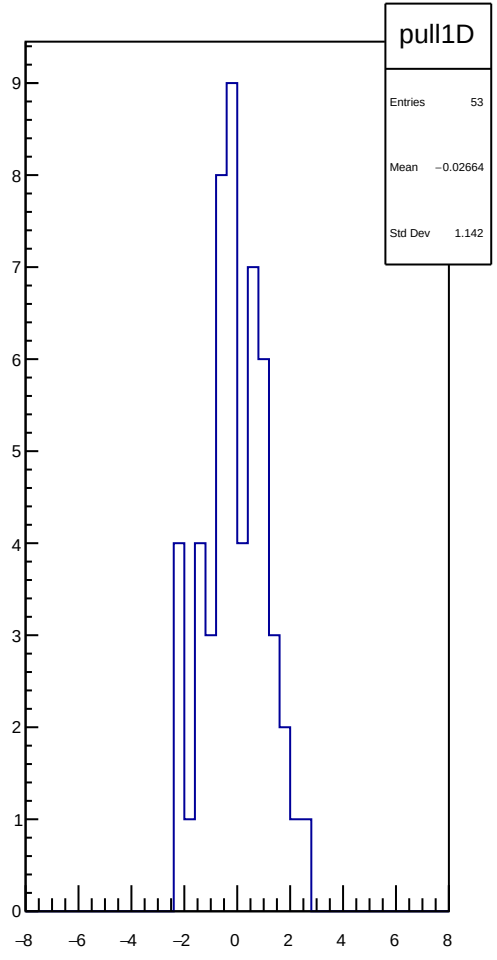

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.8 / 52
p0 −0.03322 ± 0.06994
pull
Entries 53
Mean 40.63
Std Dev 35.84
pull1D
Entries 53
Mean −0.01866
Std Dev 1.147

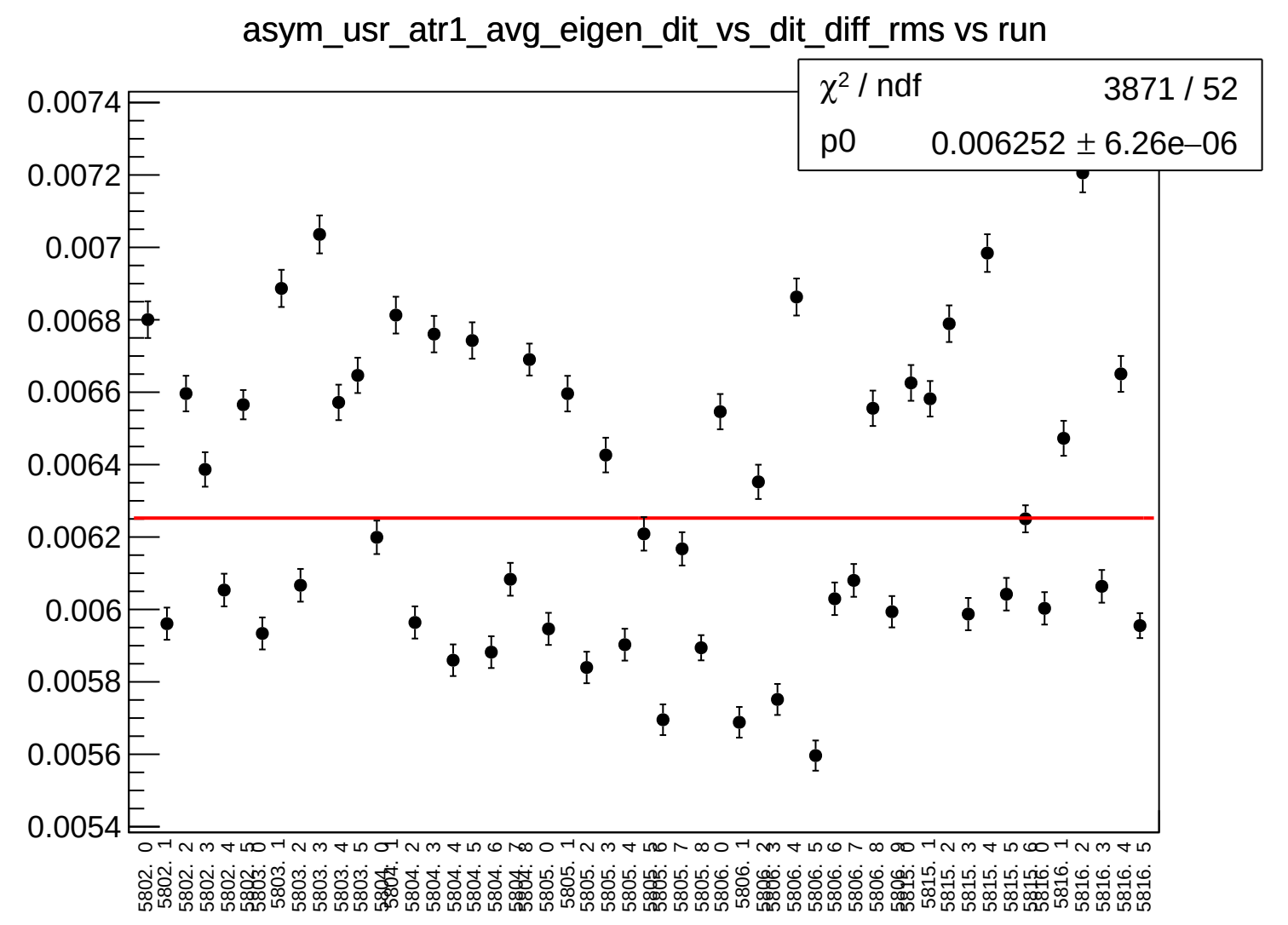

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 52
p0 45.74 ± 0.04945
120
100
80
60
40
20

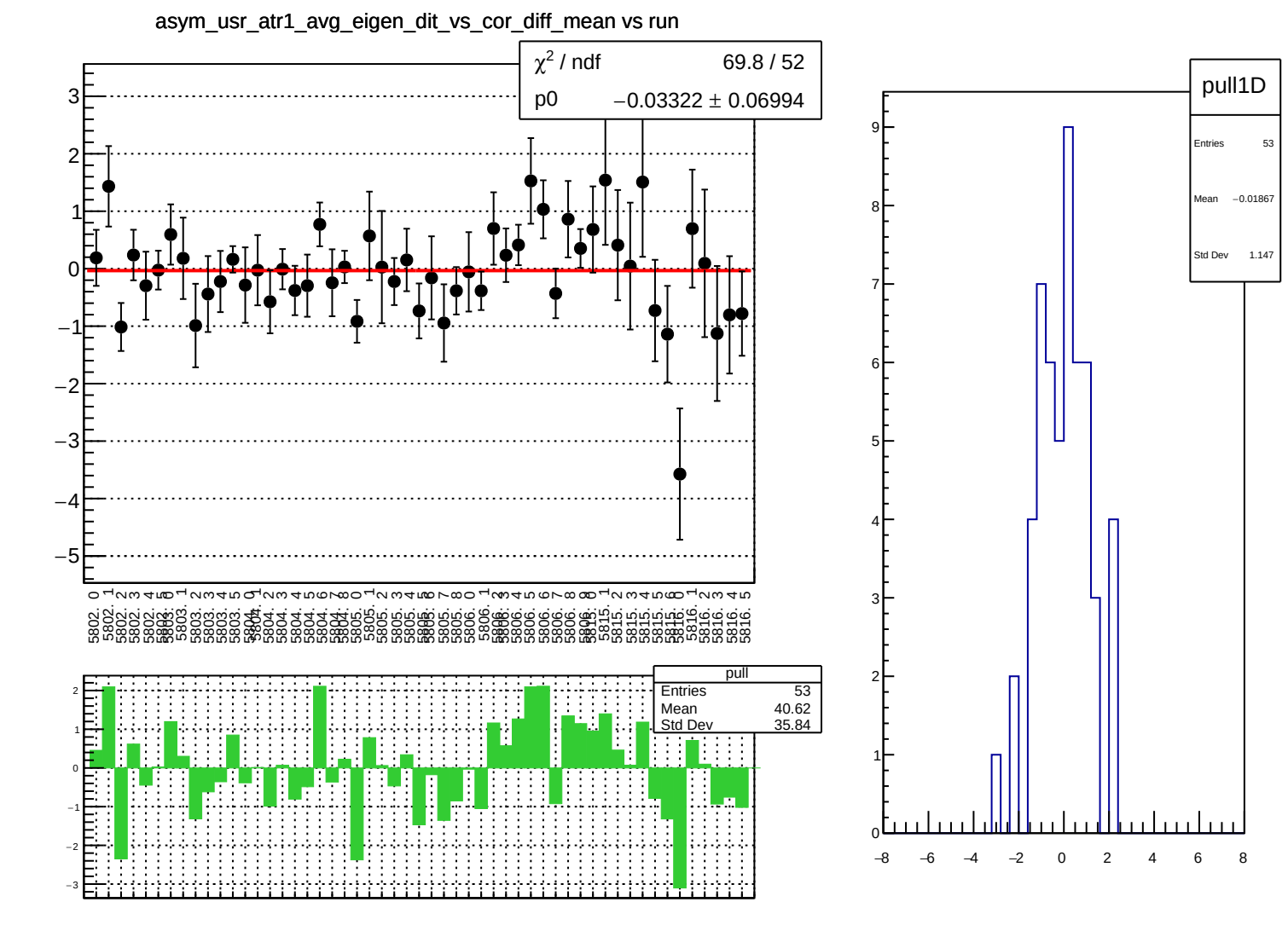

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.8 / 52
p0 −0.03322 ± 0.06994
pull
Entries 53
Mean 40.63
Std Dev 35.84
pull1D
Entries 53
Mean −0.01866
Std Dev 1.147

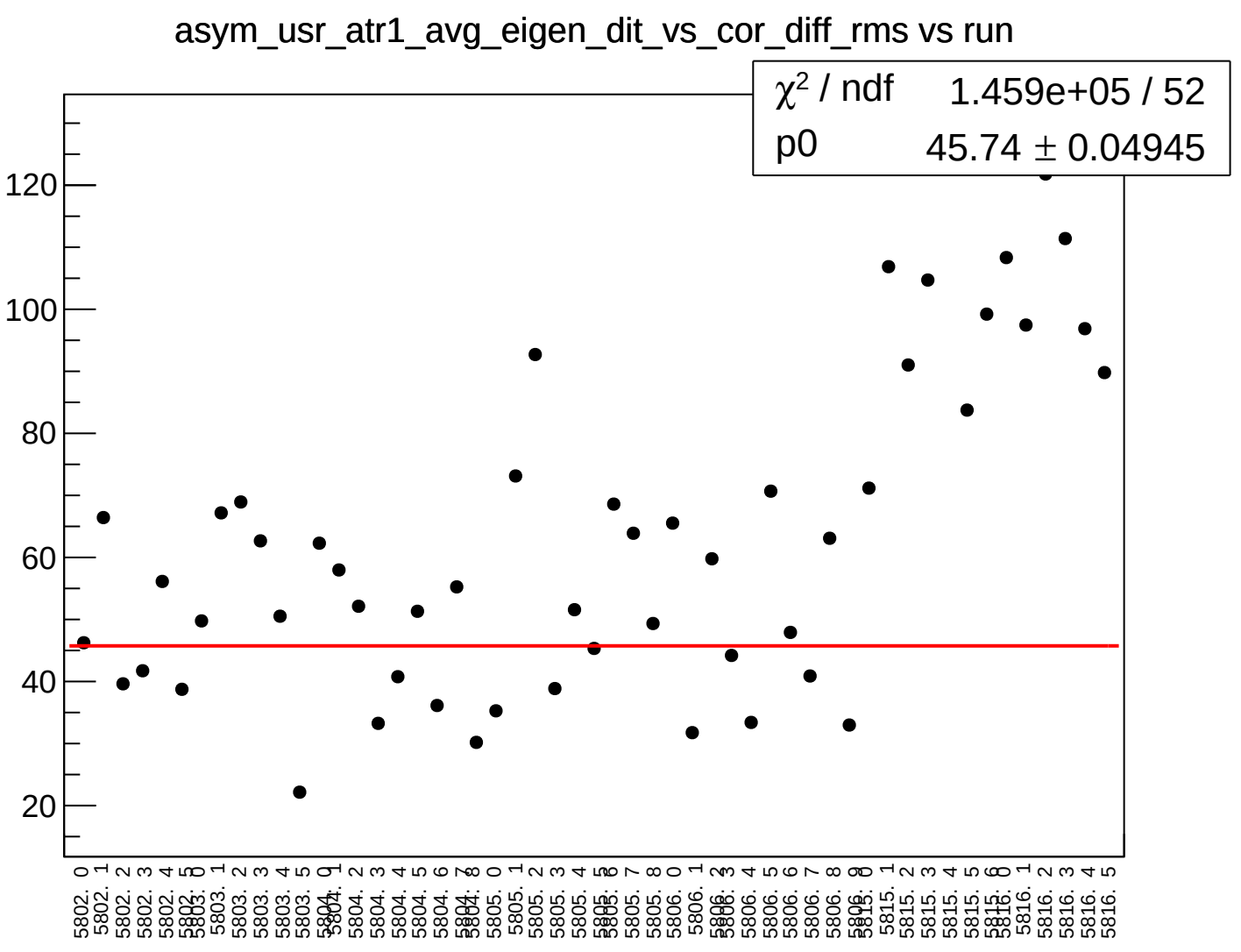

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 52
p0 45.74 ± 0.04945
120
100
80
60
40
20

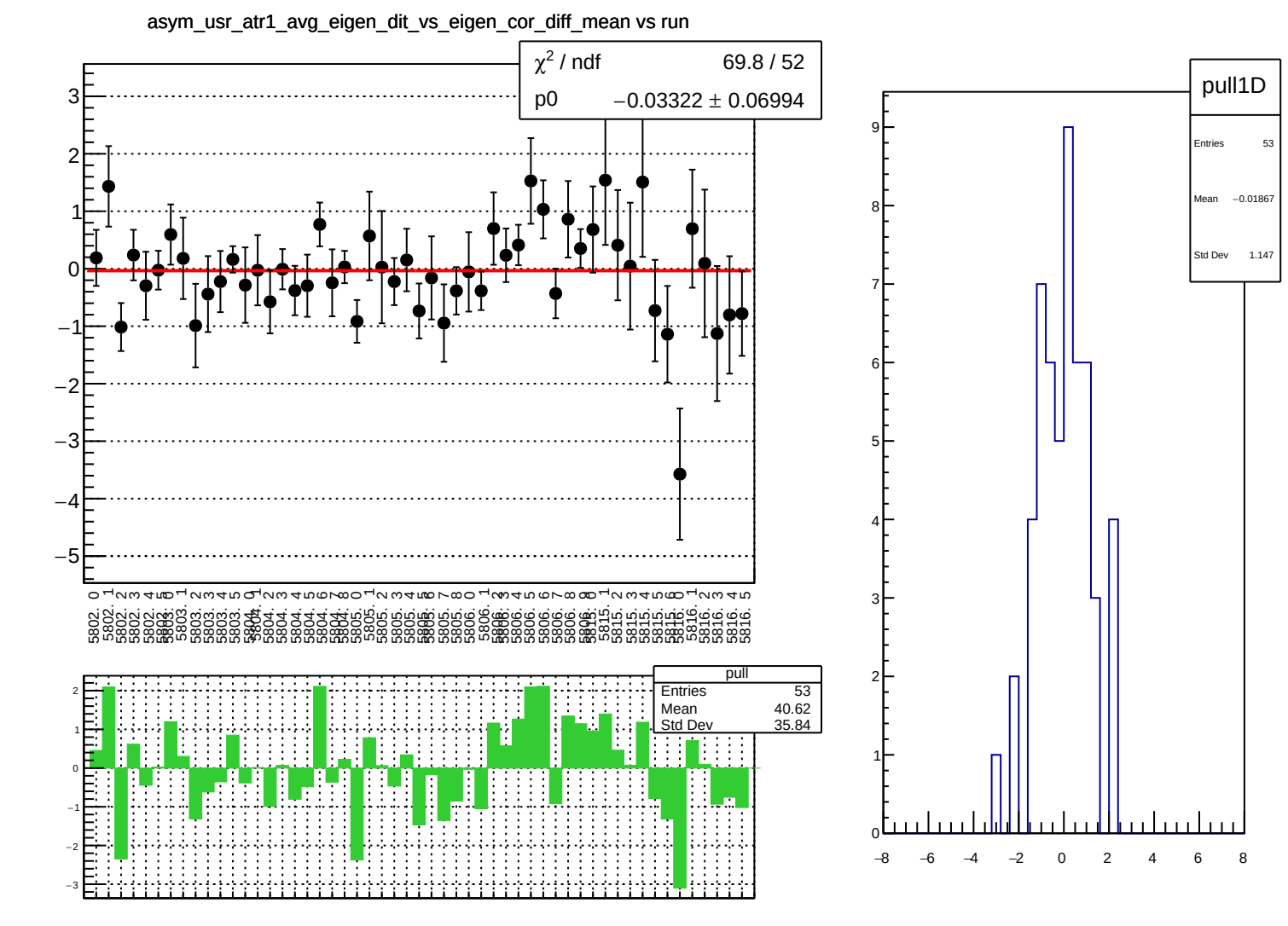

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.12 / 52
p0 4.16e−06 ± 8.852e−06
pull
Entries 53
Mean −81.87
Std Dev 0

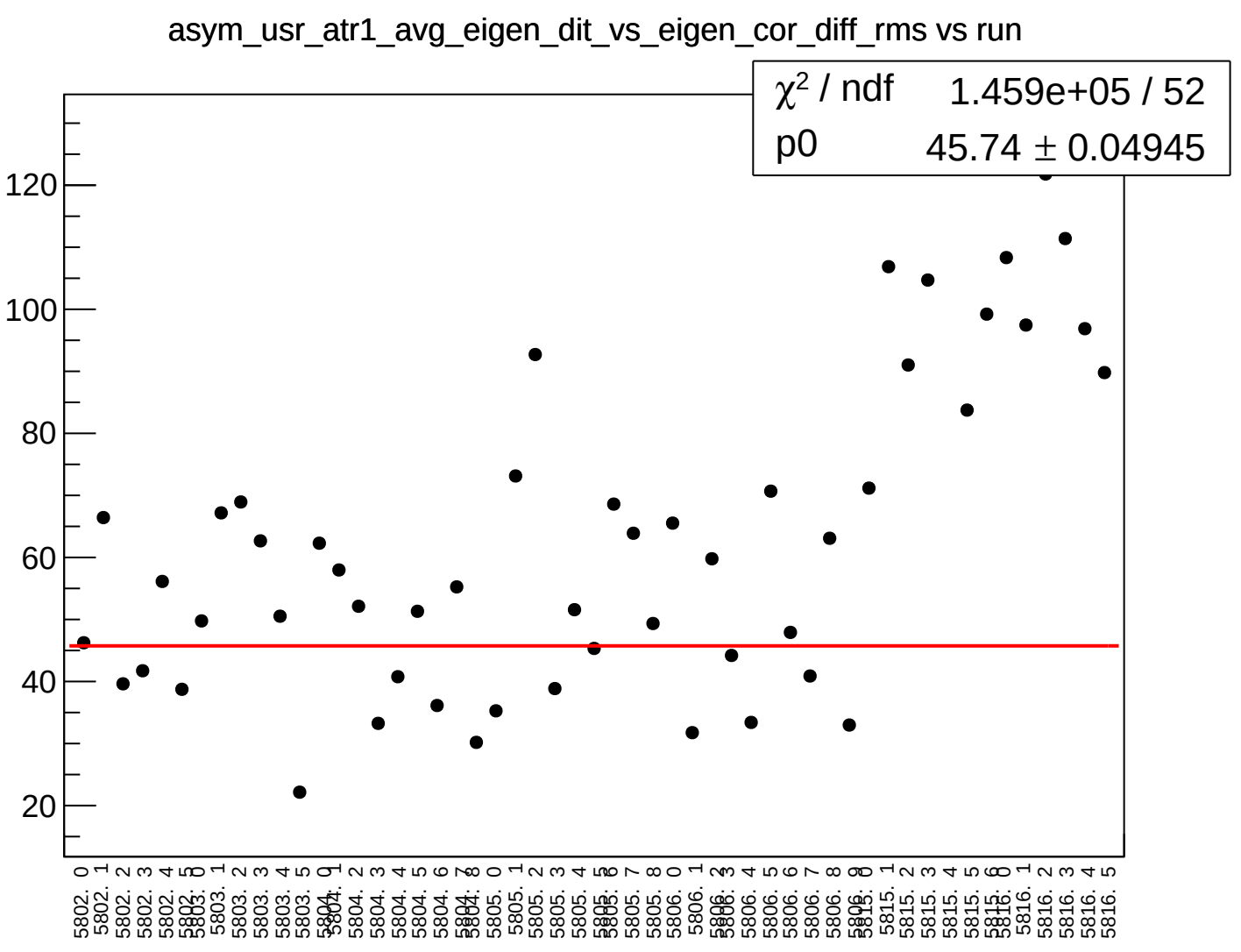

pull1D
Entries 53
Mean −0.02664
Std Dev 1.142

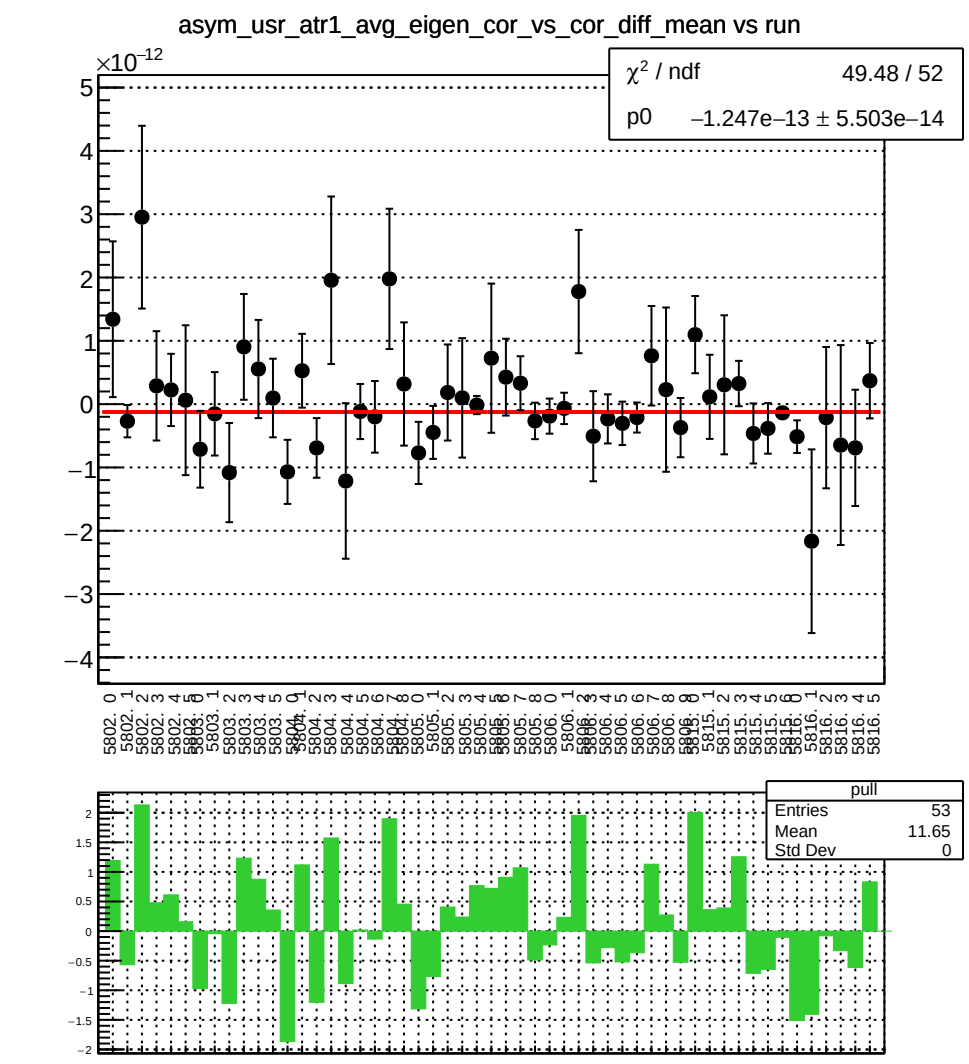

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3871 / 52
p0 0.006252 ± 6.26e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054

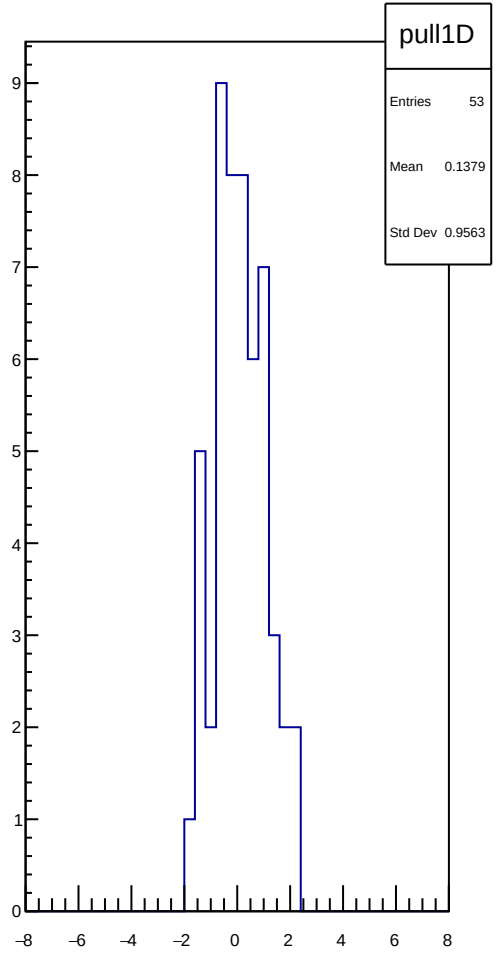

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.8 / 52
p0 −0.03322 ± 0.06994
pull
Entries 53
Mean 40.62
Std Dev 35.84
pull1D
Entries 53
Mean −0.01867
Std Dev 1.147

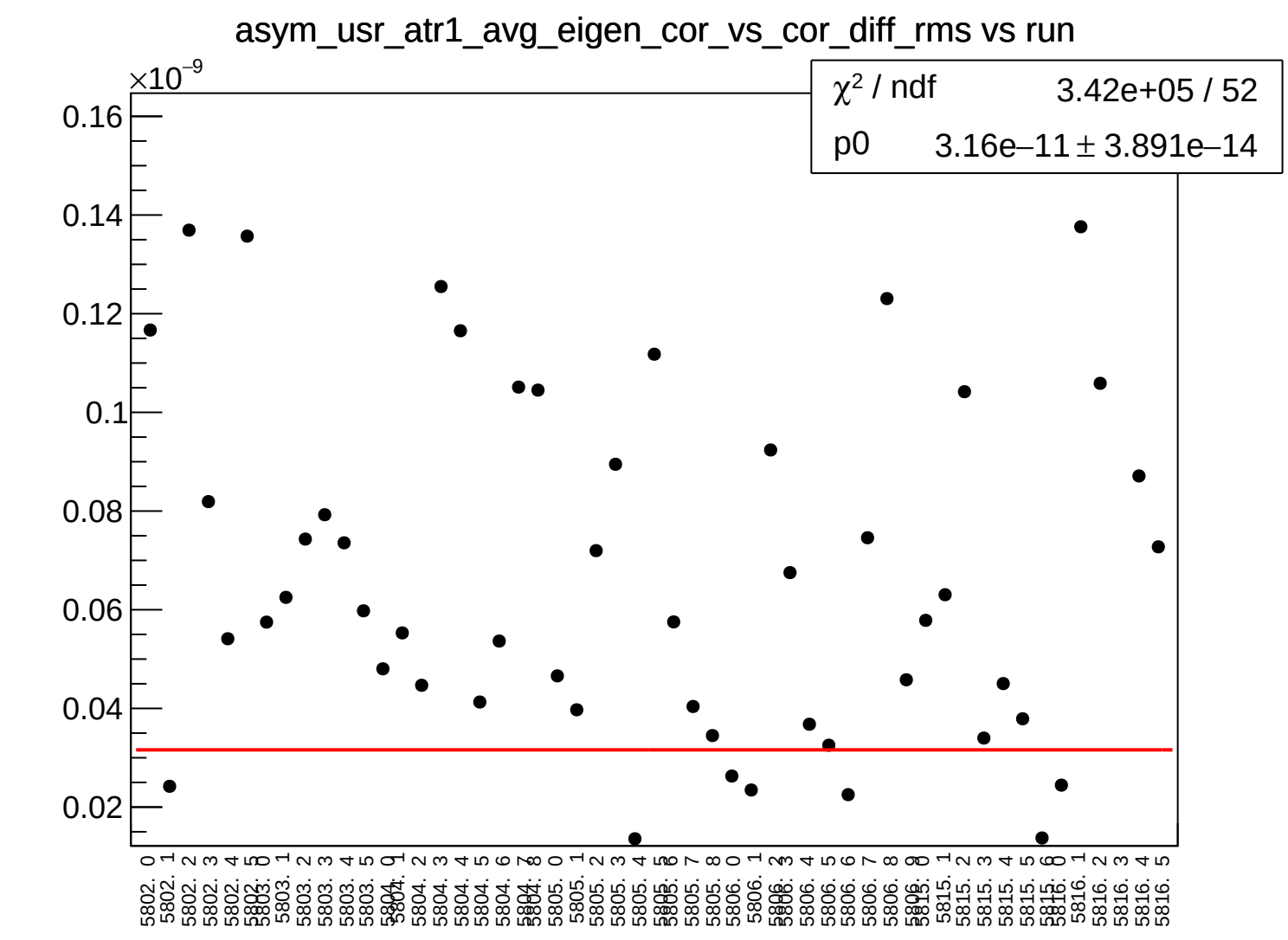

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 52
p0 45.74 ± 0.04945
120
100
80
60
40
20

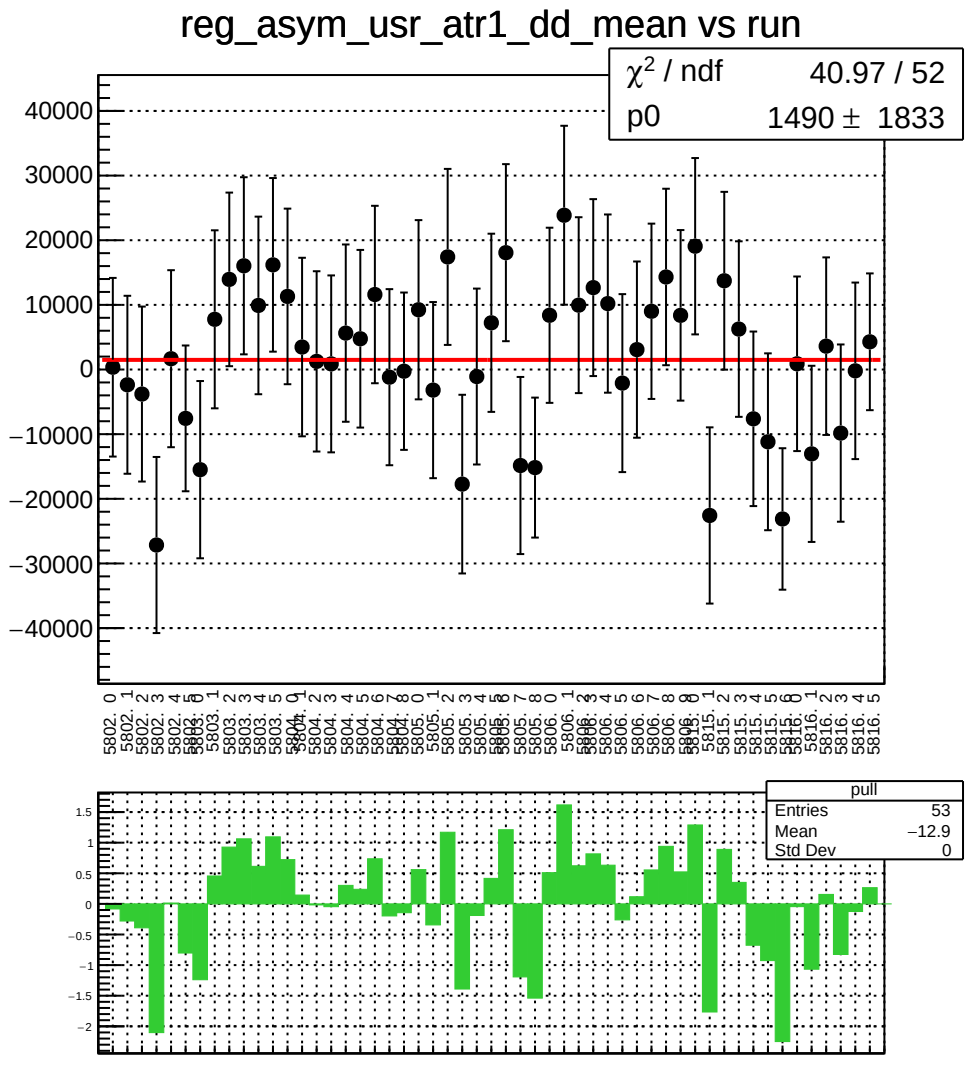

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.8 / 52
p0 −0.03322 ± 0.06994
pull
Entries 53
Mean 40.62
Std Dev 35.84
pull1D
Entries 53
Mean −0.01867
Std Dev 1.147

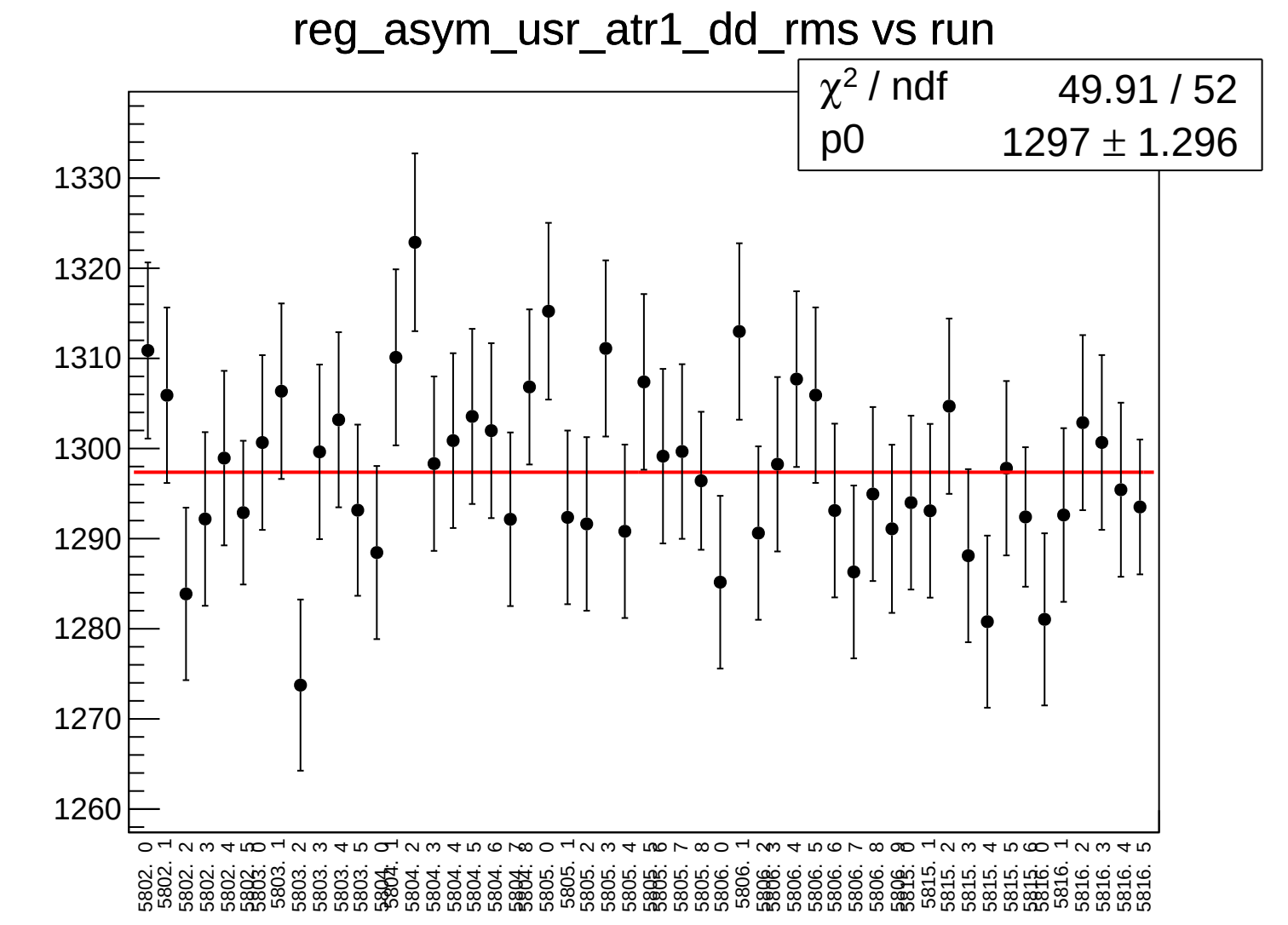

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 52
p0 45.74 ± 0.04945
120
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

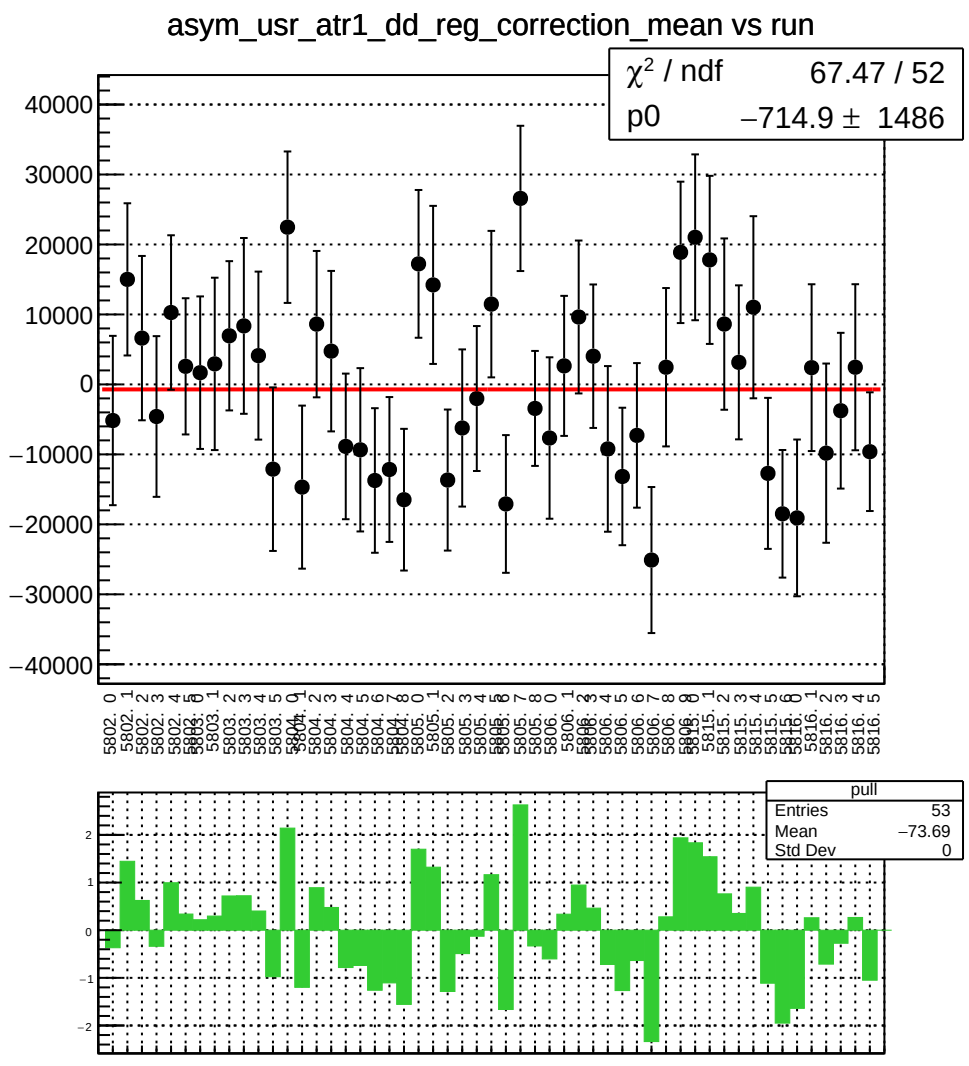

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.48 / 52
p0 −1.247e−13 ± 5.503e−14
pull
Entries 53
Mean 11.65
Std Dev 0

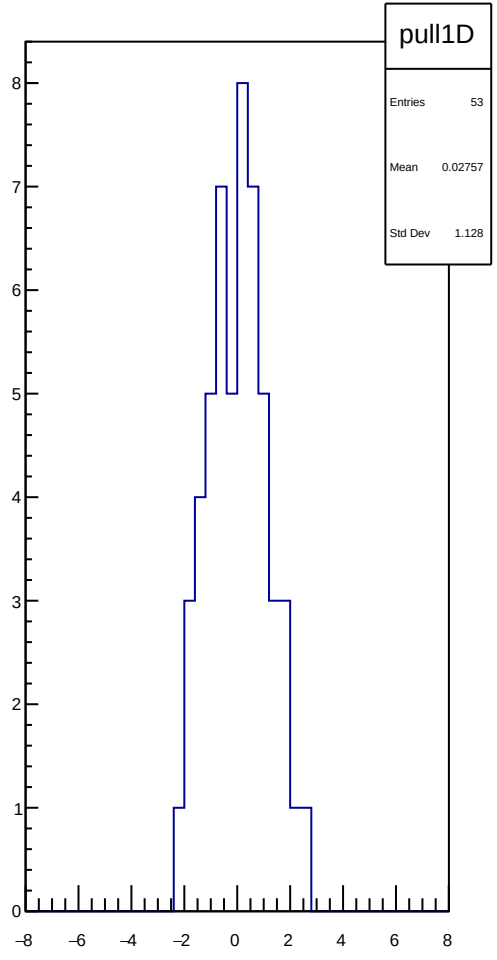

pull1D
Entries 53
Mean 0.1379
Std Dev 0.9563

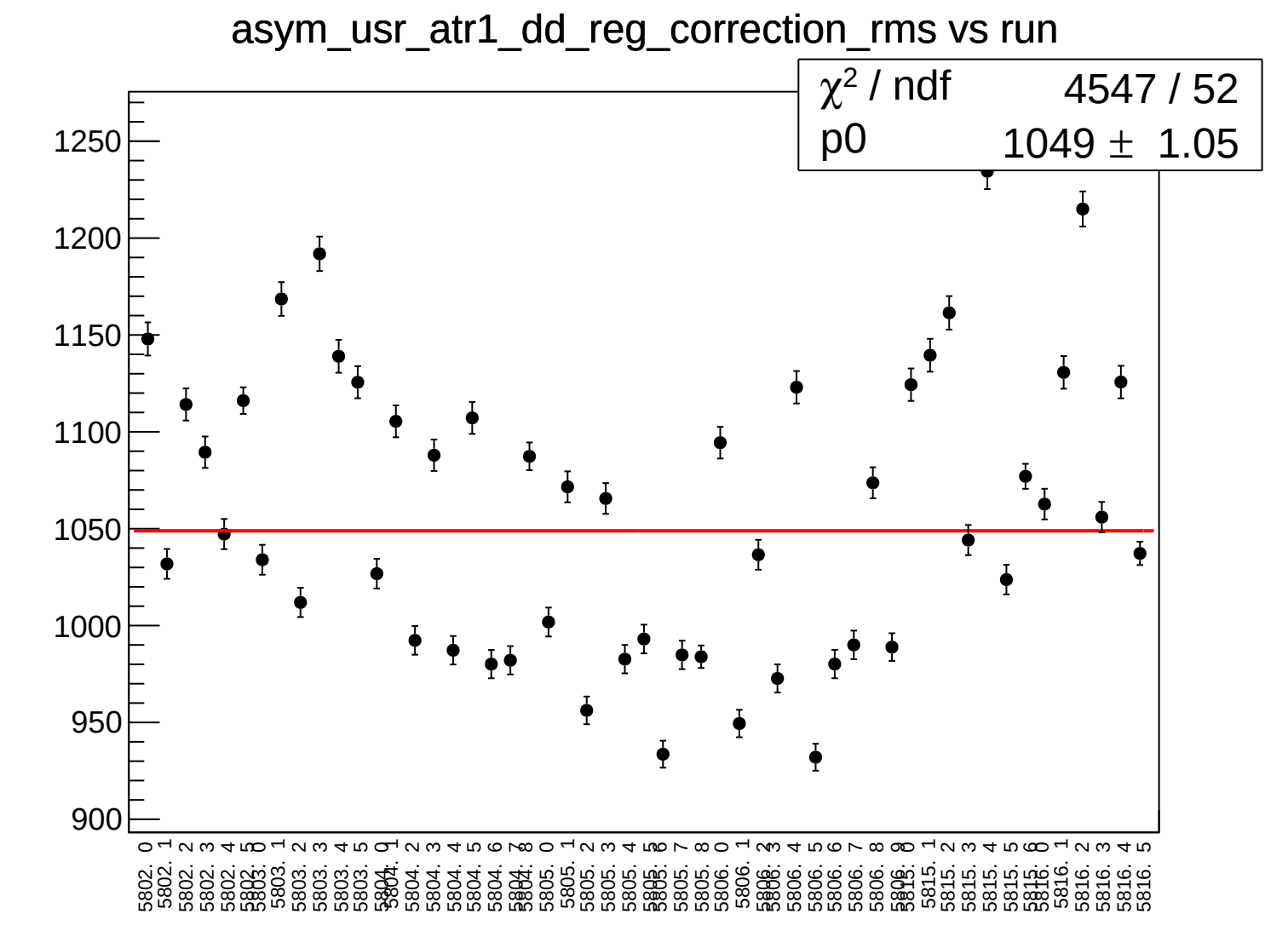

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.42e+05 / 52
p0 3.16e−11 ± 3.891e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

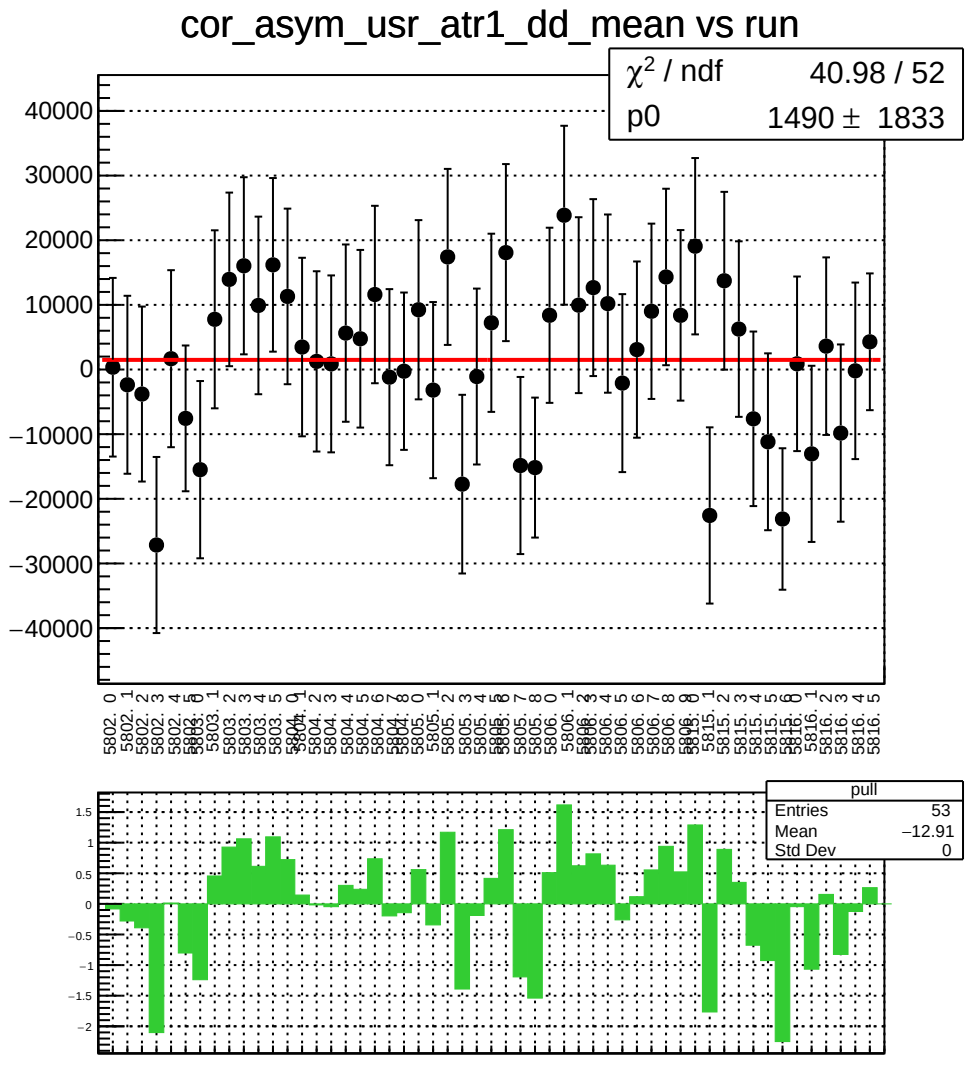

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.97 / 52
p0 1490 ± 1833
pull
Entries 53
Mean −12.9
Std Dev 0
pull1D
Entries 53
Mean 0.0199
Std Dev 0.879

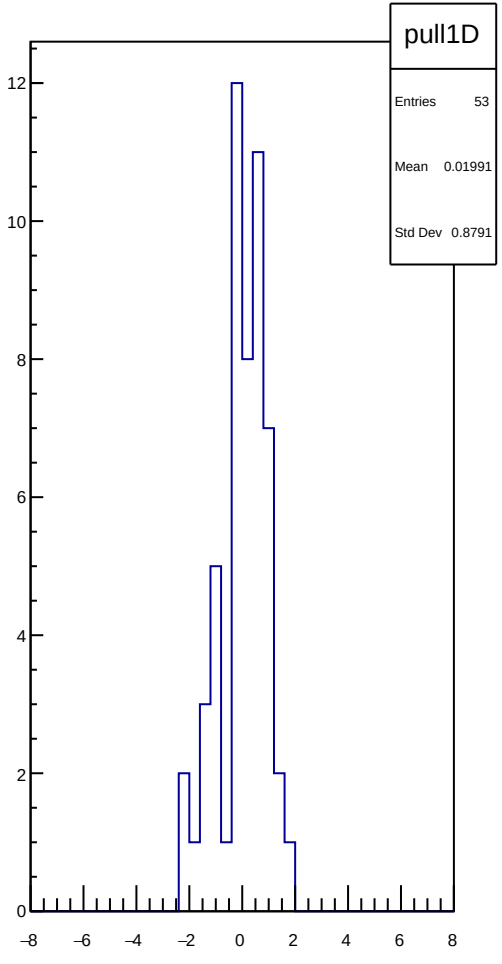

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 49.91 / 52
p0 1297 ± 1.296
1330
1320
1310
1300
1290
1280
1270
1260

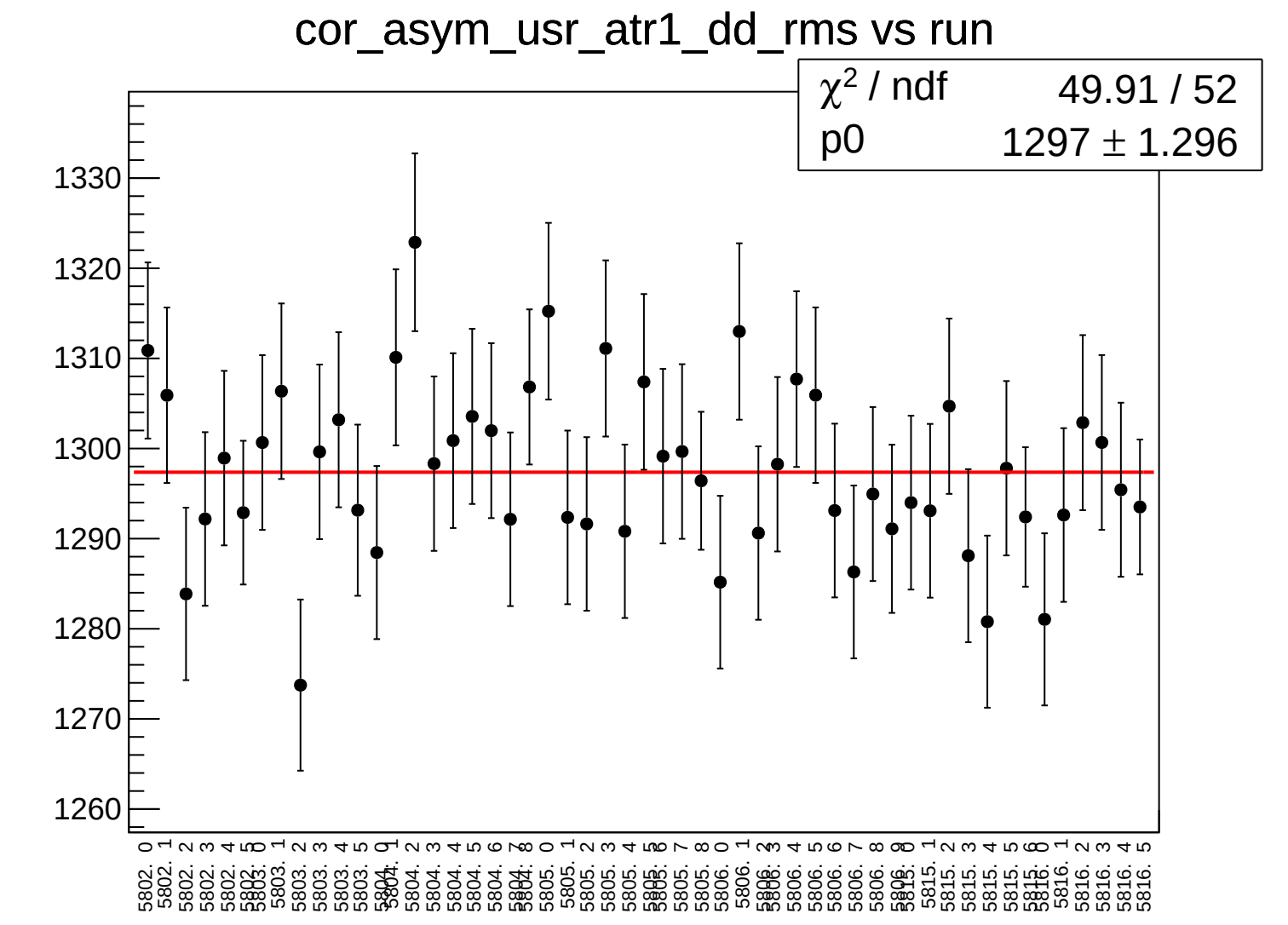

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −714.9 ± 1486
pull
Entries 53
Mean −73.69
Std Dev 0

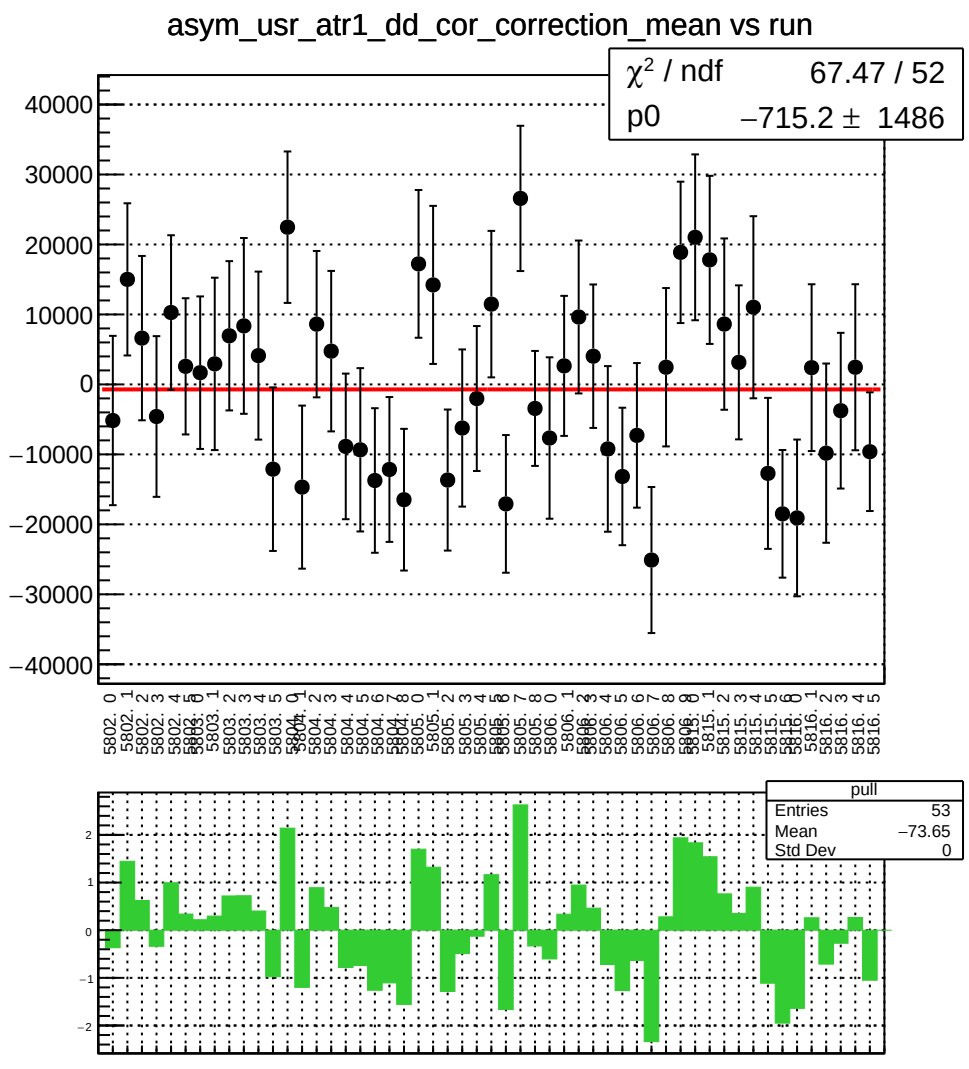

pull1D
Entries 53
Mean 0.02757
Std Dev 1.128

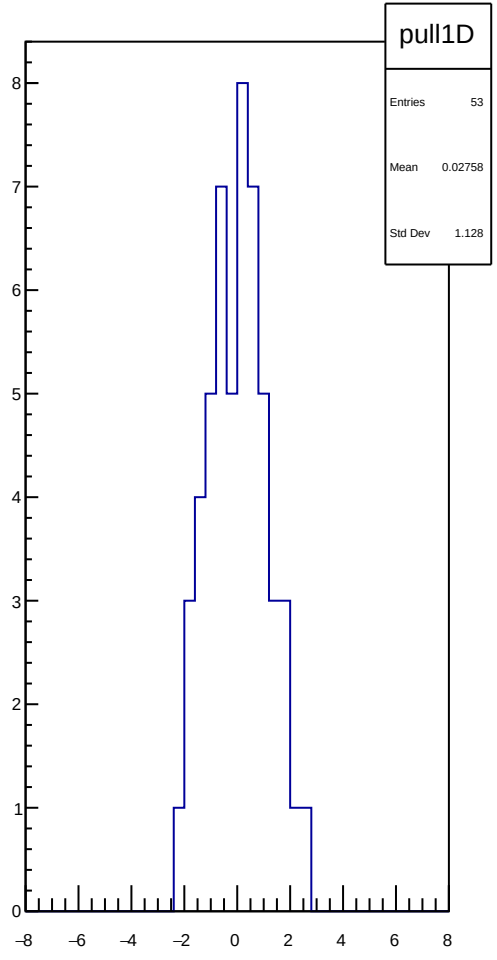

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4547 / 52
p0 1049 ± 1.05
1250
1200
1150
1100
1050
1000
950
900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

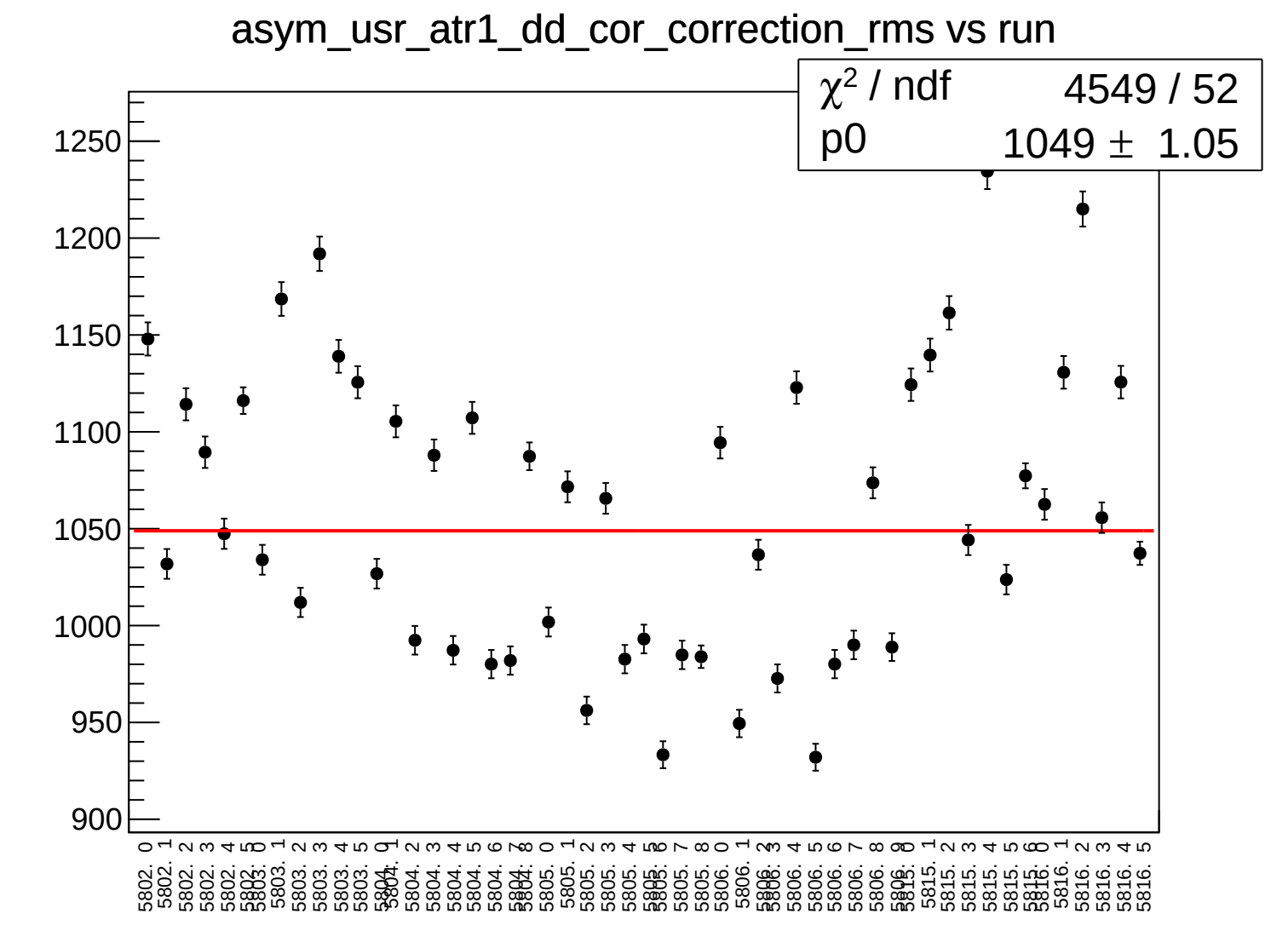

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.98 / 52
p0 1490 ± 1833
pull
Entries 53
Mean −12.91
Std Dev 0

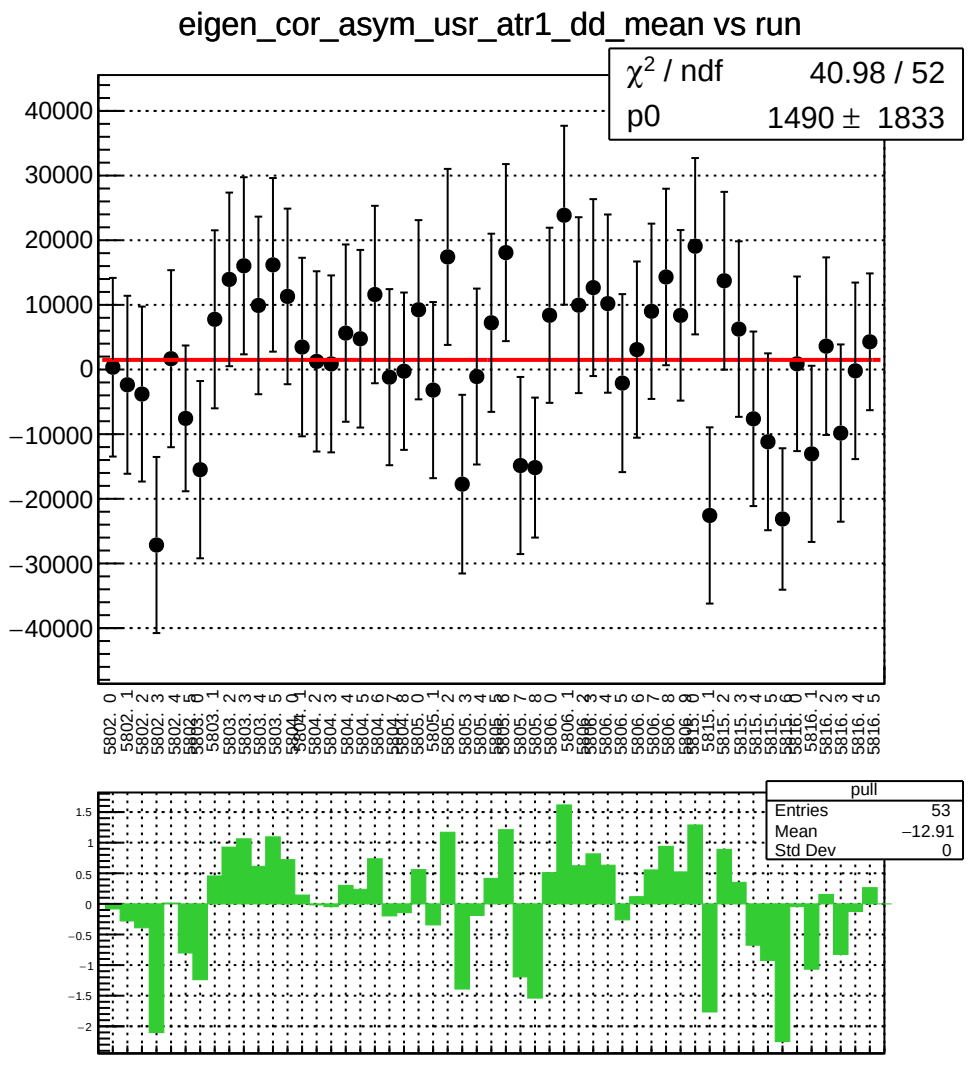

pull1D
Entries 53
Mean 0.01991
Std Dev 0.8791

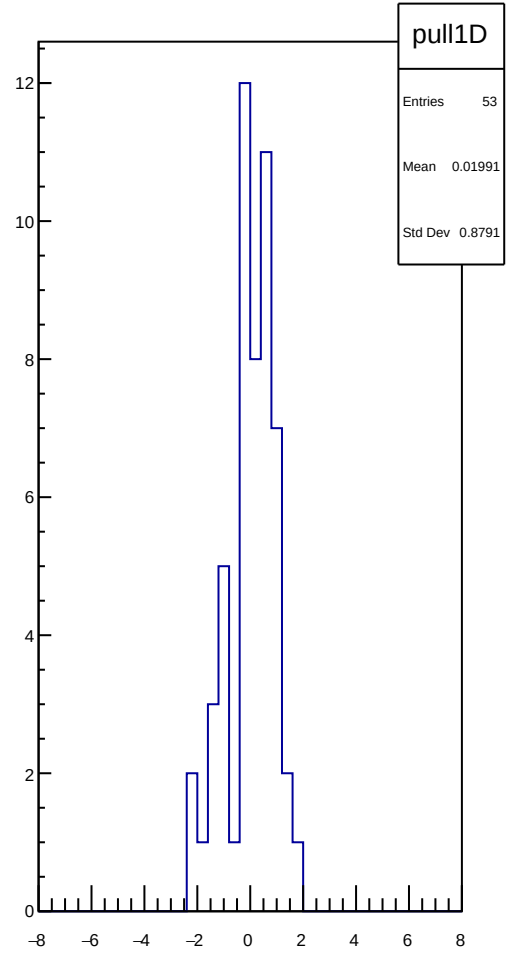

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 49.91 / 52
p0 1297 ± 1.296
1330
1320
1310
1300
1290
1280
1270
1260

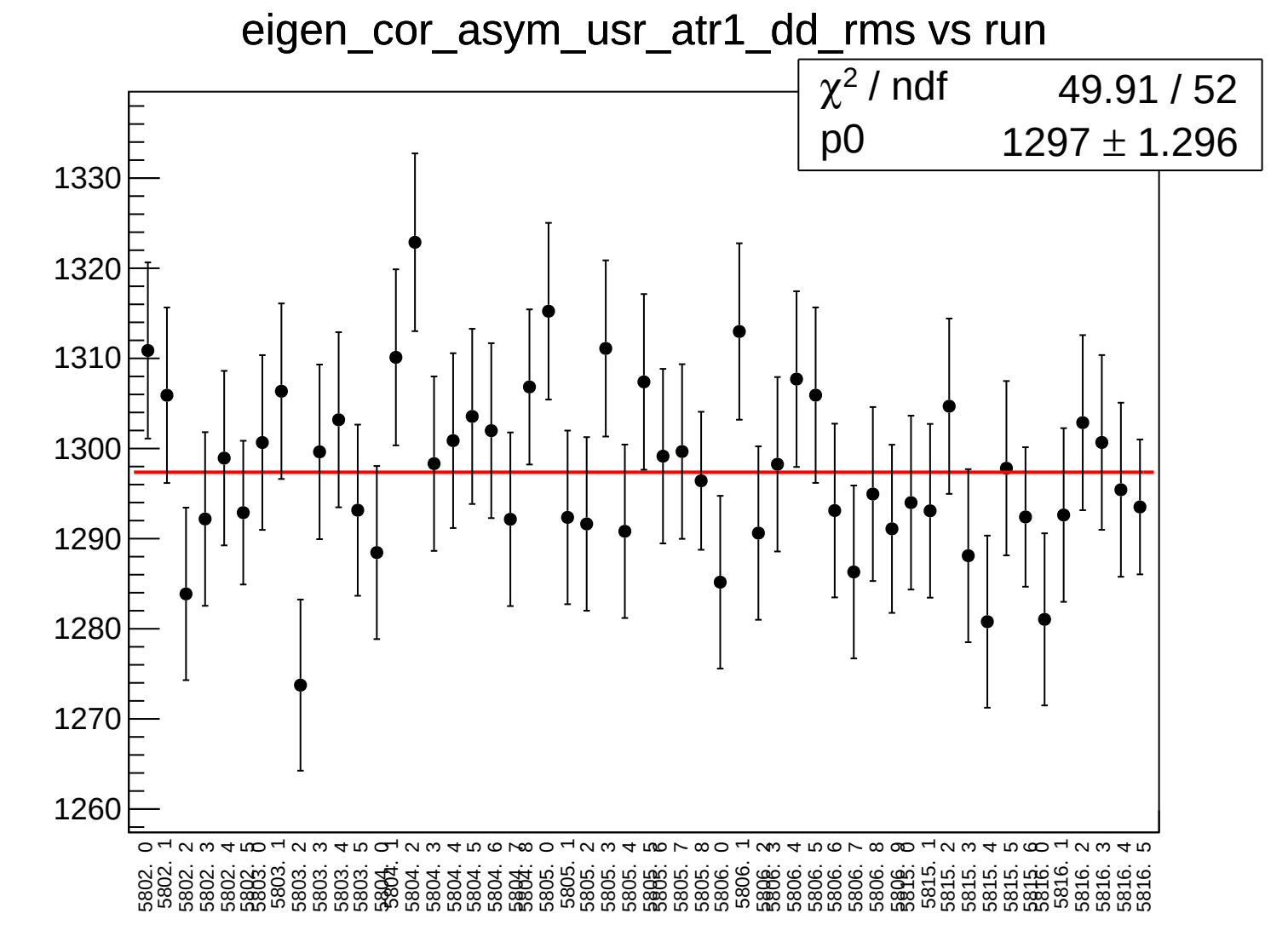

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −715.2 ± 1486
pull
Entries 53
Mean −73.65
Std Dev 0

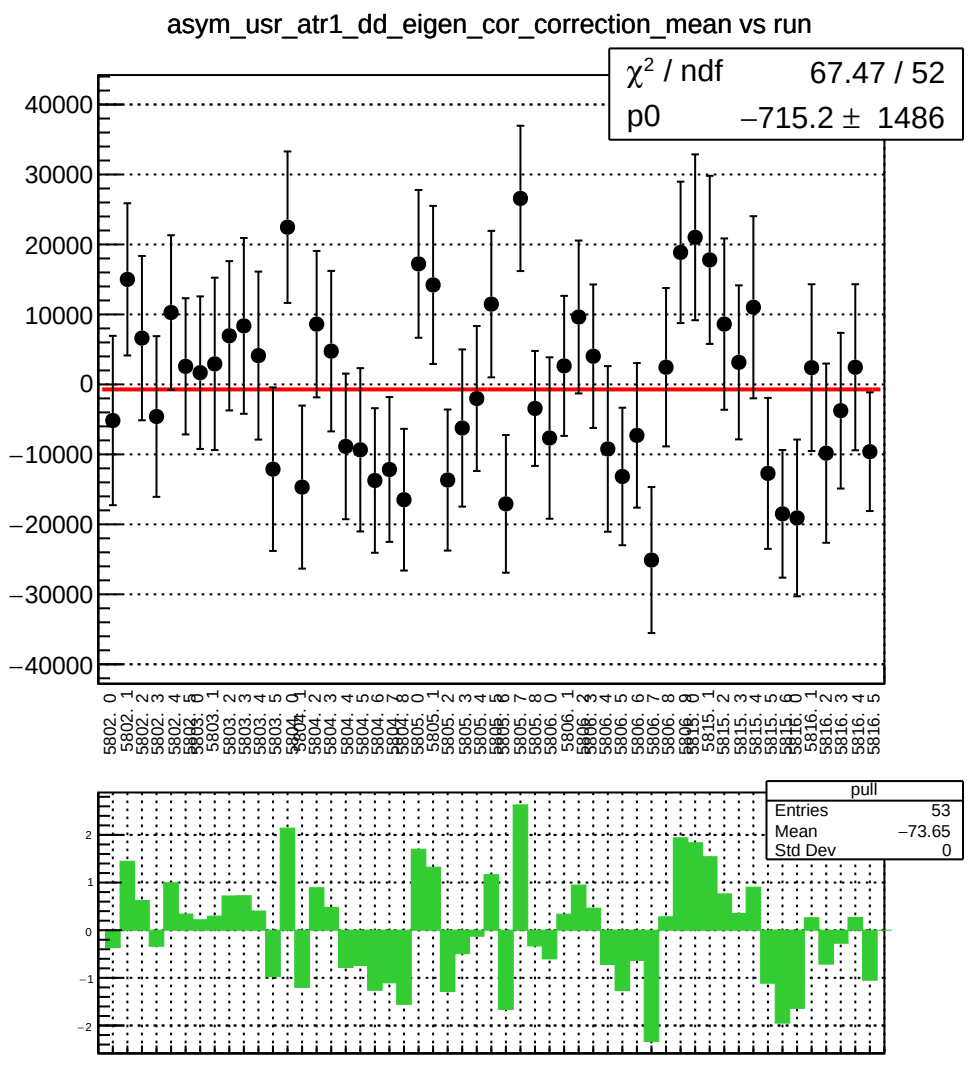

pull1D
Entries 53
Mean 0.02758
Std Dev 1.128

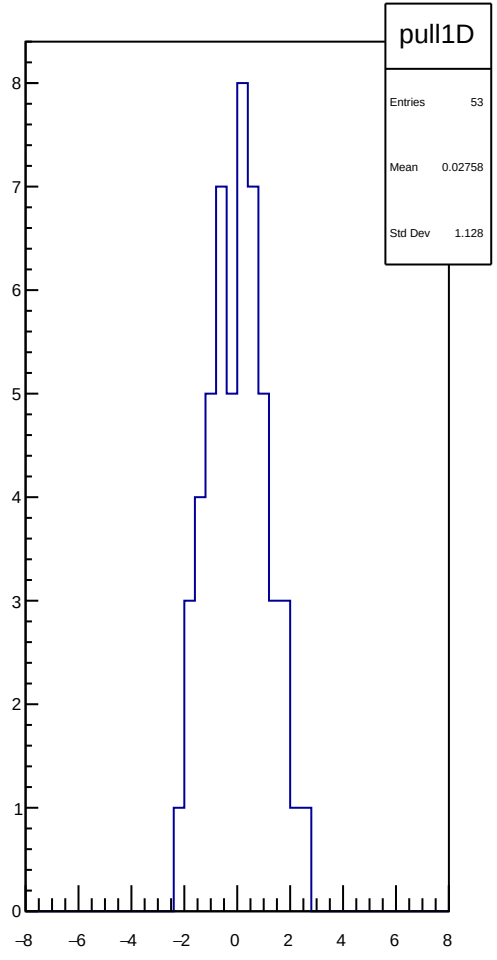

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4549 / 52
p0 1049 ± 1.05
1250
1200
1150
1100
1050
1000
950
900

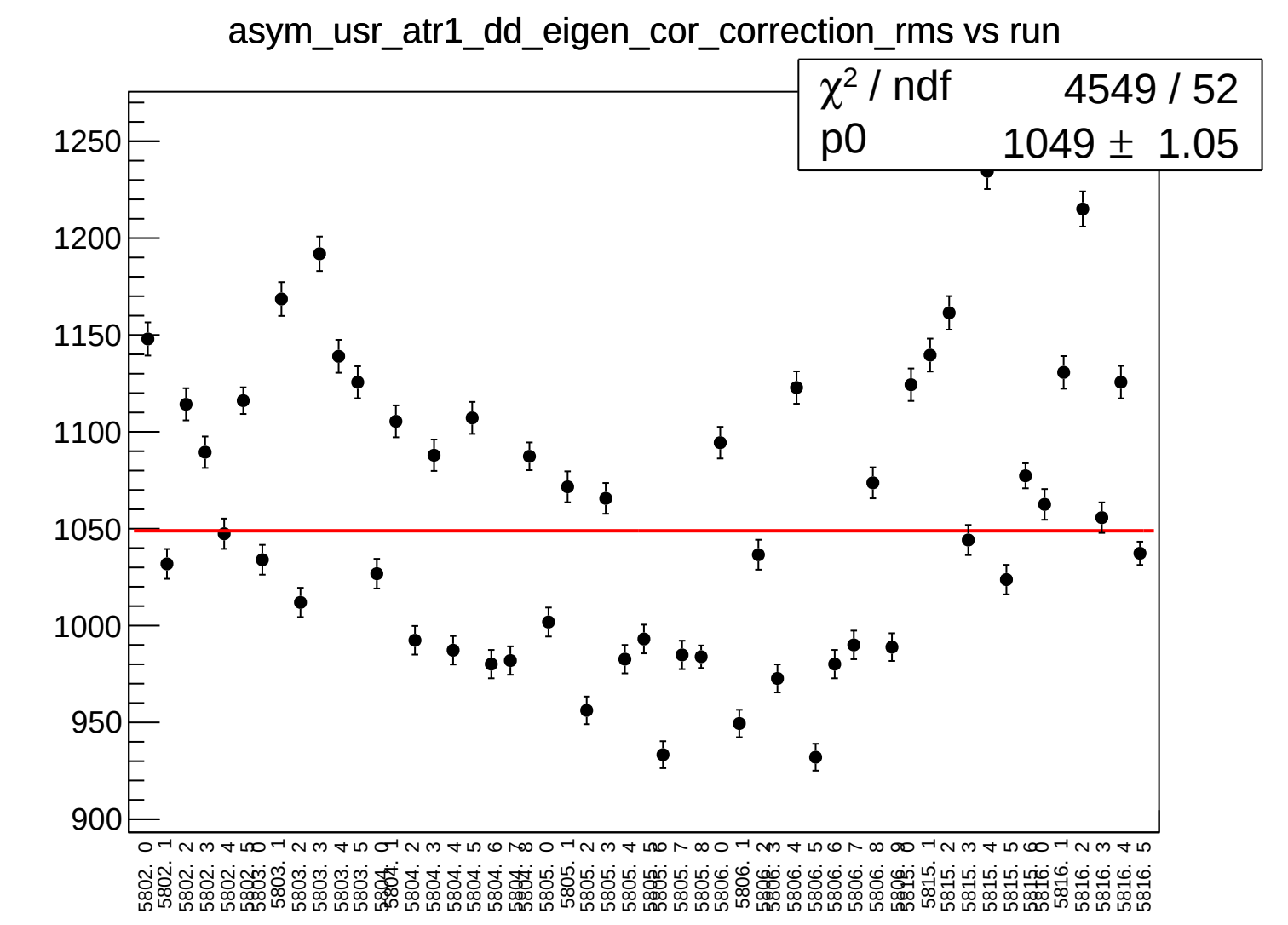

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.98 / 52
p0 1490 ± 1833
pull
Entries 53
Mean −12.91
Std Dev 0

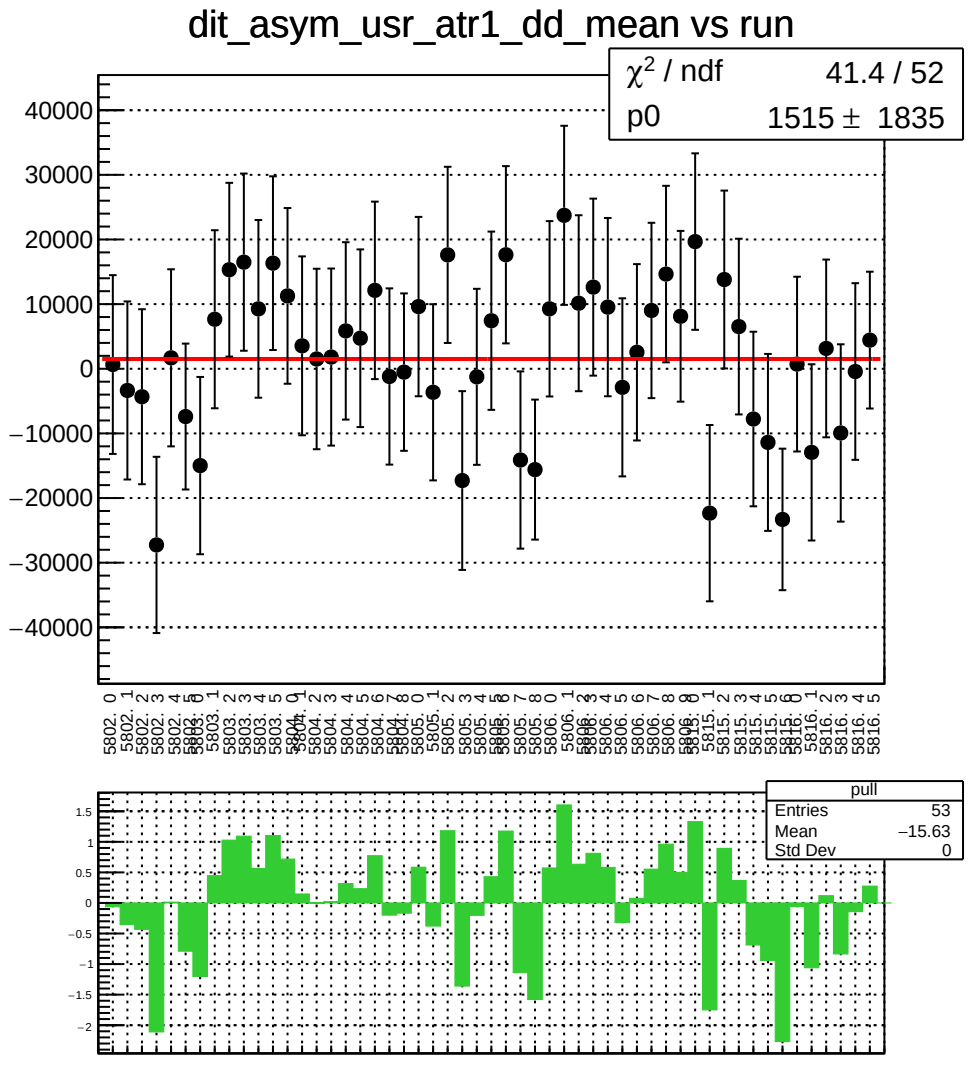

pull1D
Entries 53
Mean 0.01991
Std Dev 0.8791

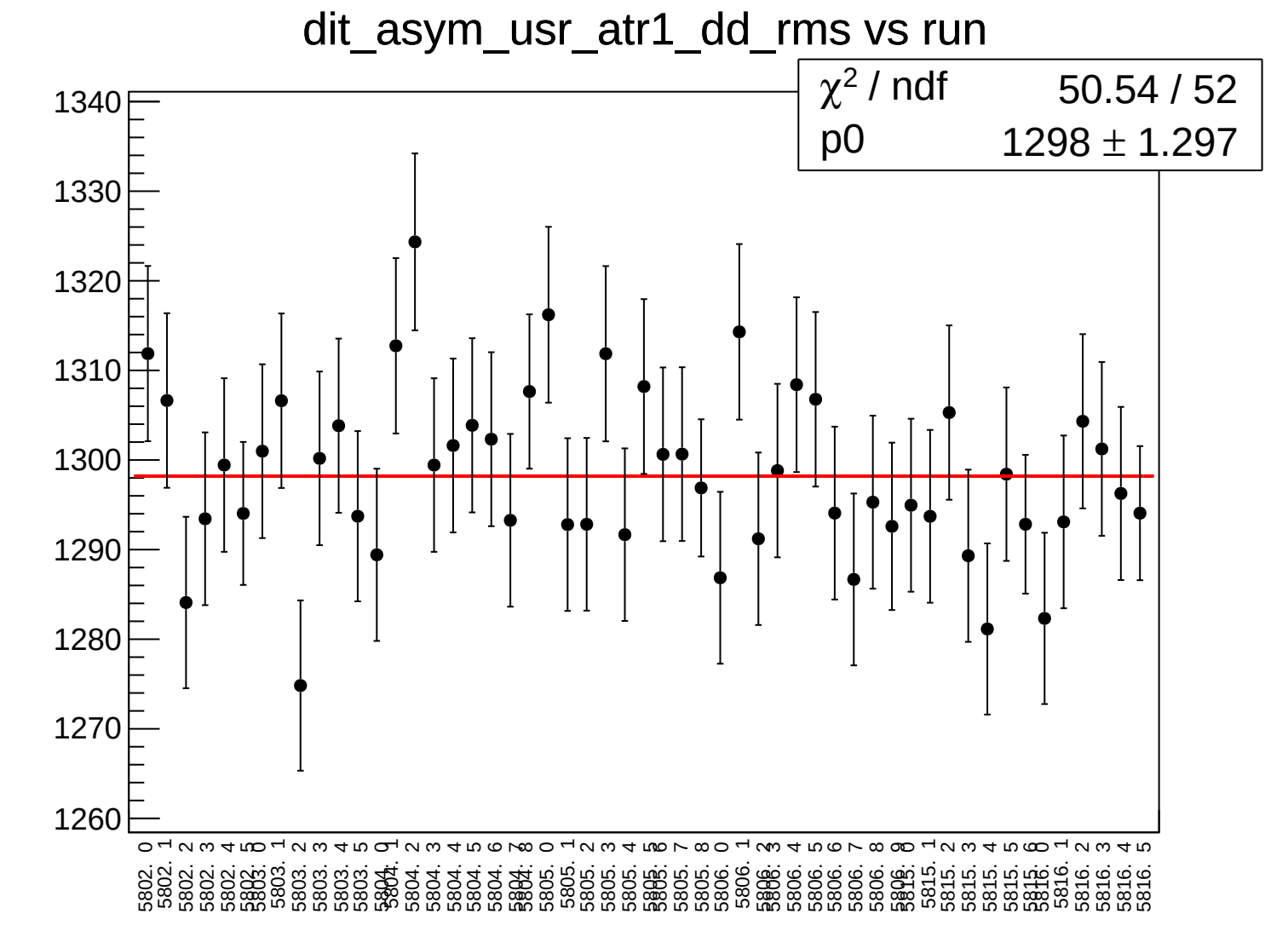

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 49.91 / 52
p0 1297 ± 1.296
1330
1320
1310
1300
1290
1280
1270
1260

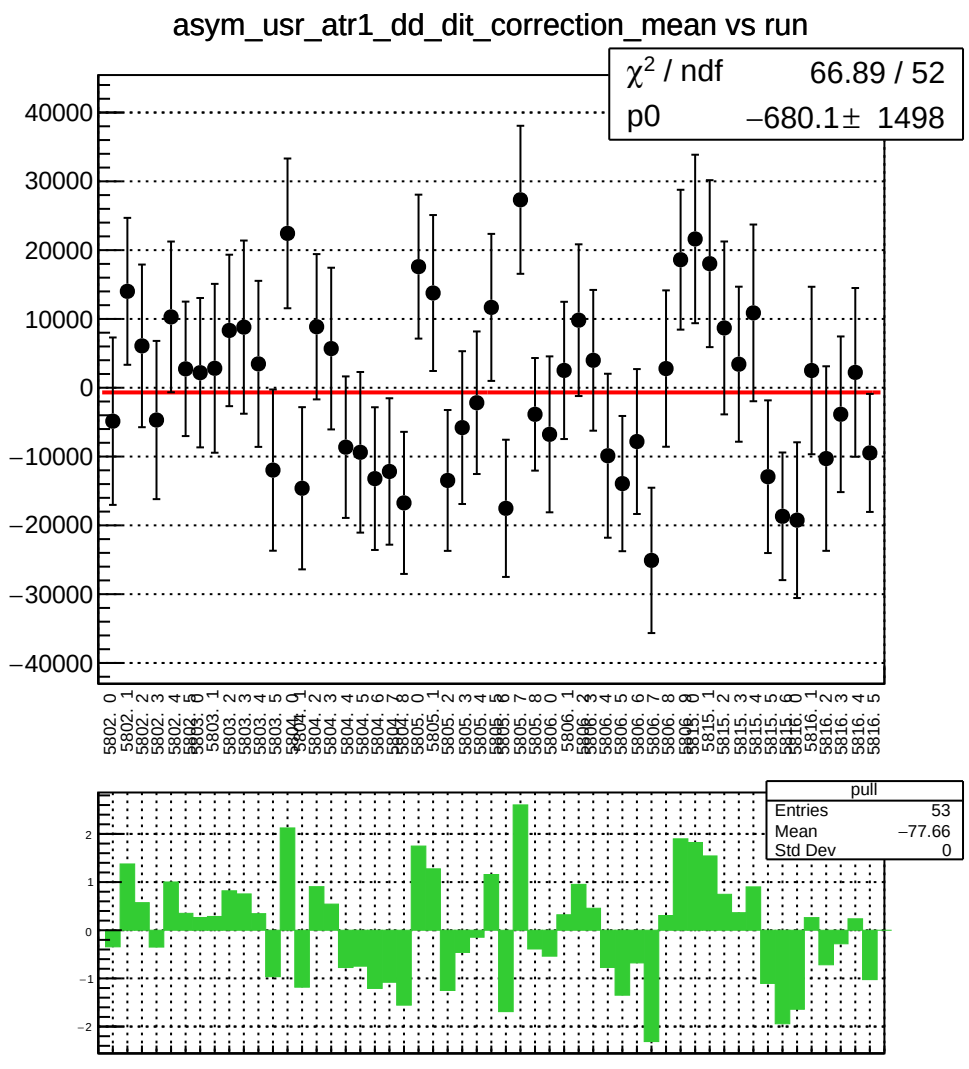

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.47 / 52
p0 −715.2 ± 1486
pull
Entries 53
Mean −73.65
Std Dev 0

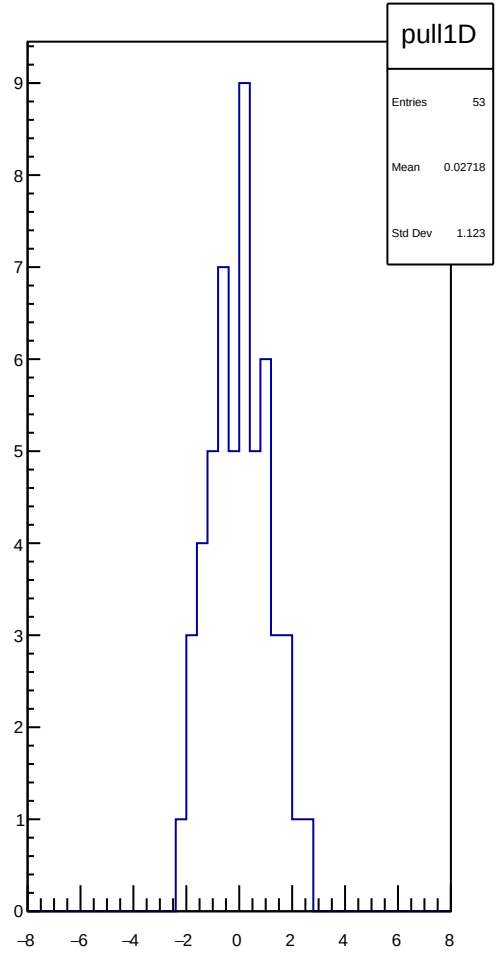

pull1D
Entries 53
Mean 0.02758
Std Dev 1.128

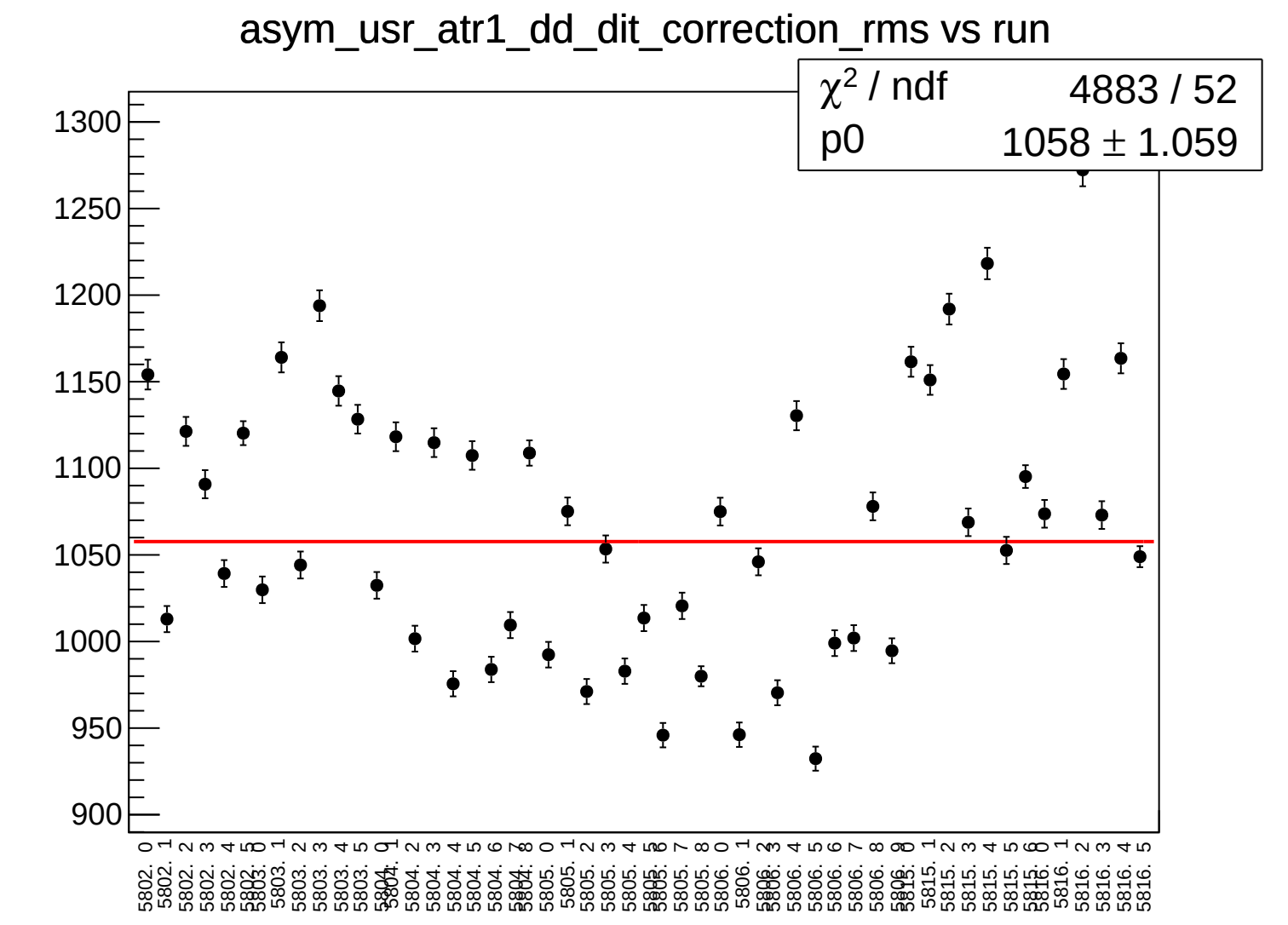

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4549 / 52
p0 1049 ± 1.05
1250
1200
1150
1100
1050
1000
950
900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 41.4 / 52
p0 1515 ± 1835
pull
Entries 53
Mean −15.63
Std Dev 0
pull1D
Entries 53
Mean 0.02017
Std Dev 0.8836


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 50.54 / 52
p0 1298 ± 1.297
1340
1330
1320
1310
1300
1290
1280
1270
1260


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 66.89 / 52
p0 −680.1± 1498
pull
Entries 53
Mean −77.66
Std Dev 0


pull1D
Entries 53
Mean 0.02718
Std Dev 1.123


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4883 / 52
p0 1058 ± 1.059
1300
1250
1200
1150
1100
1050
1000
950
900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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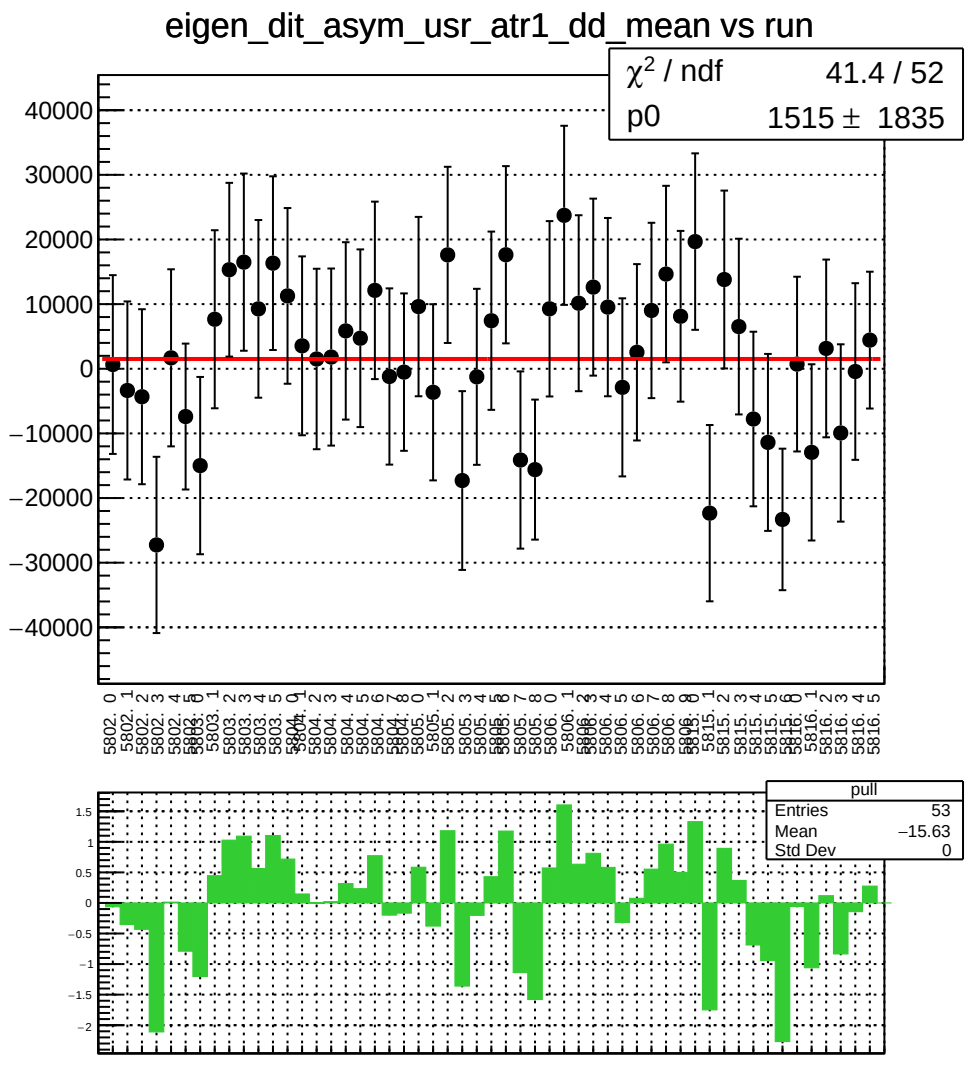
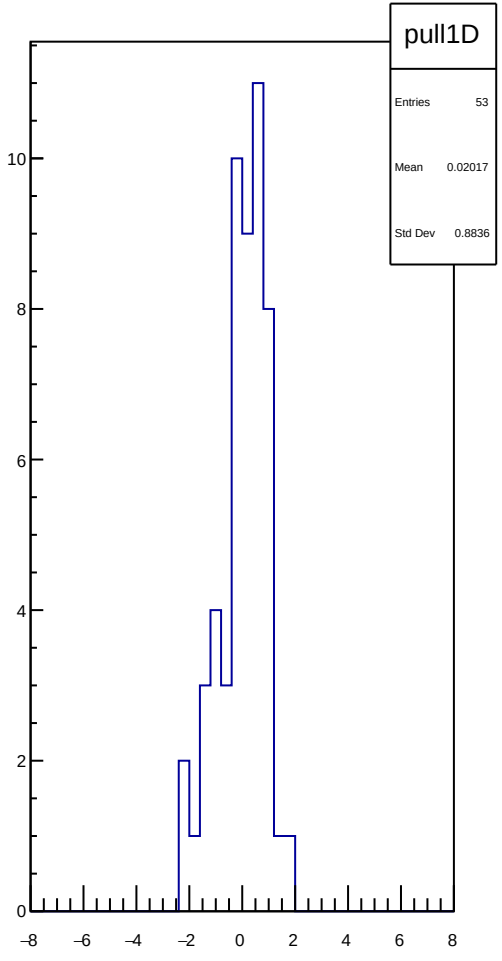
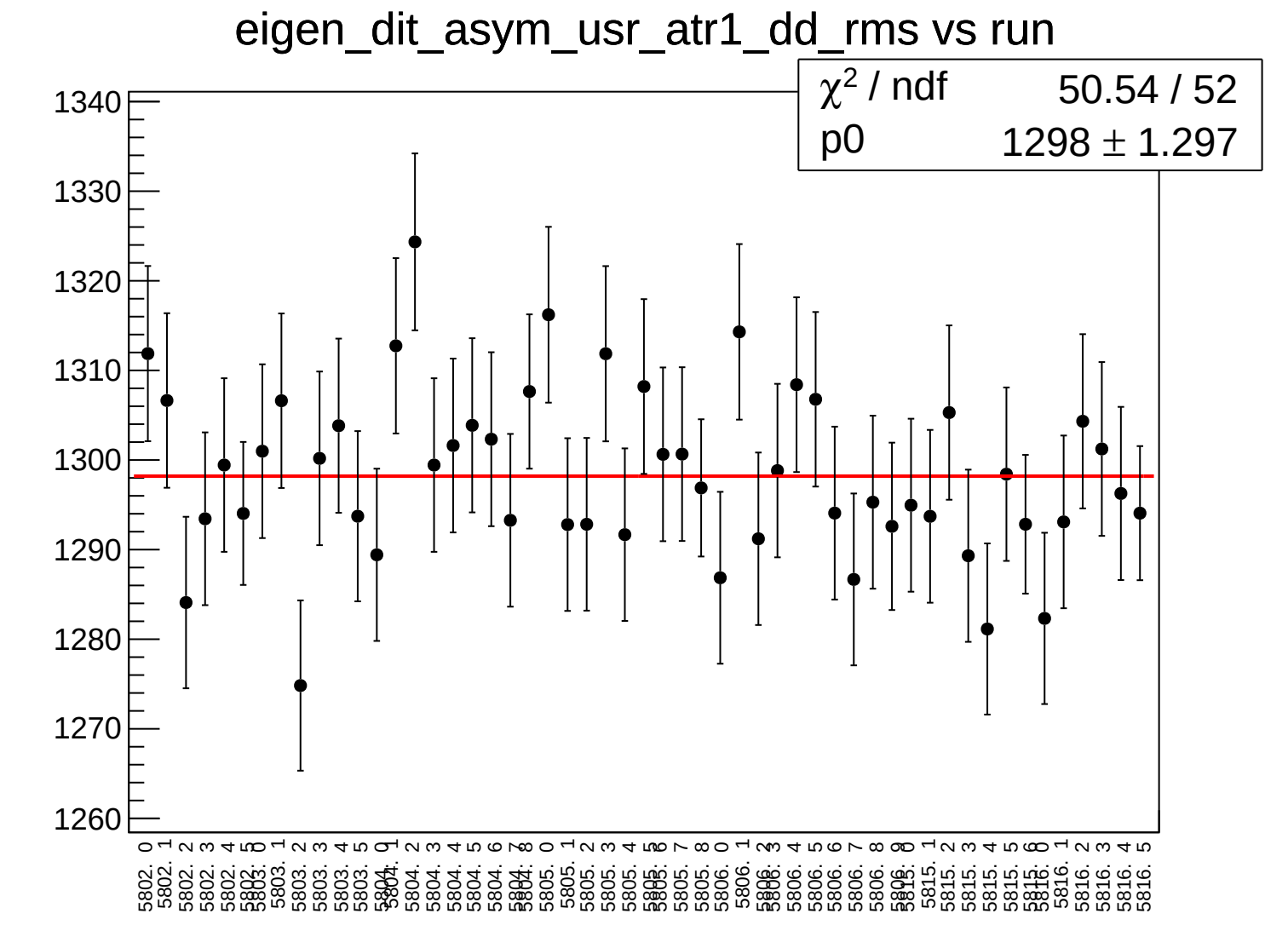
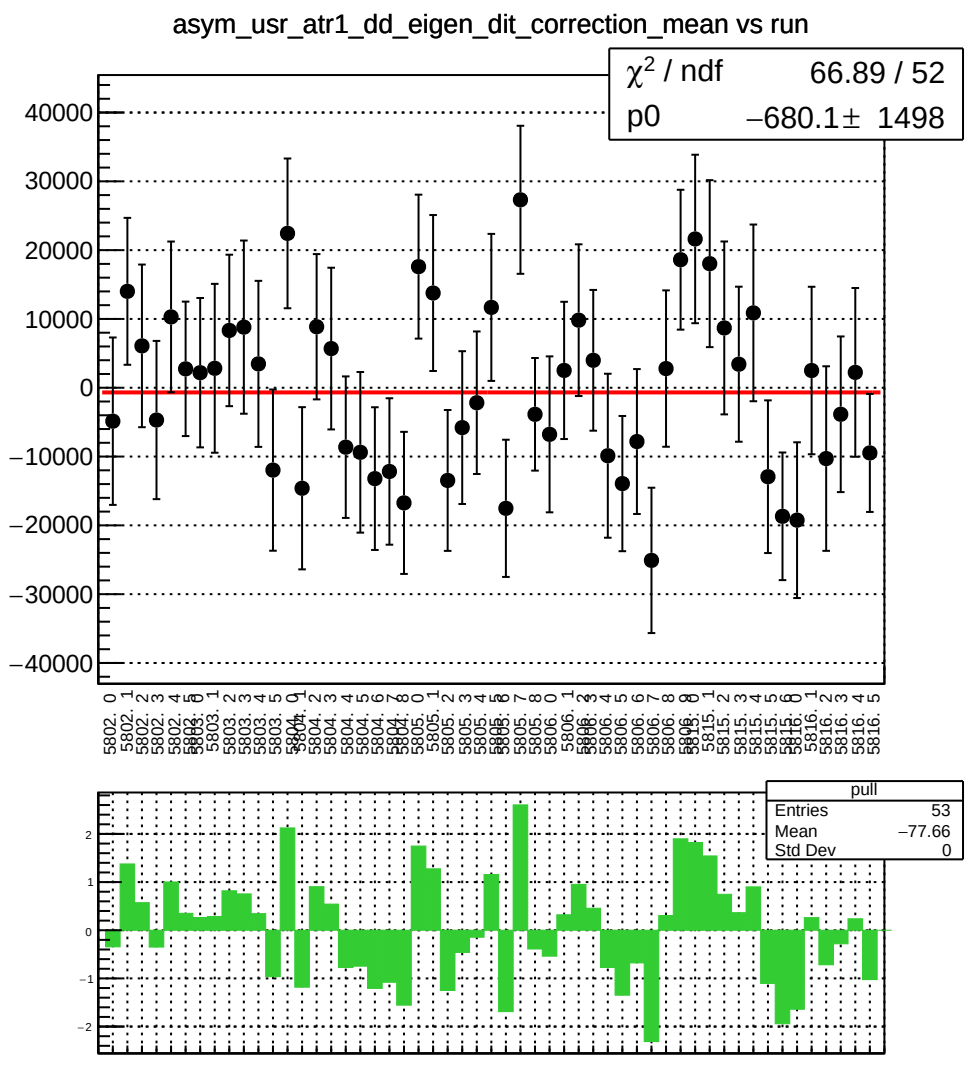
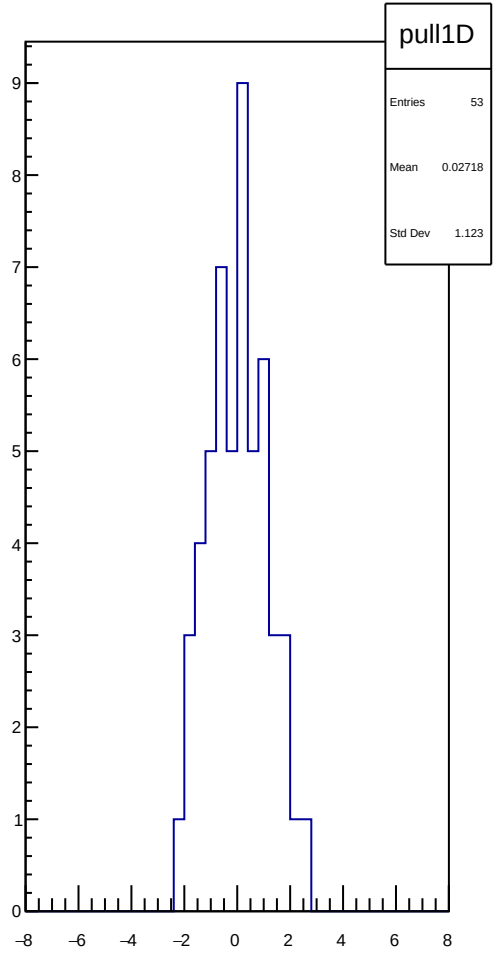
5816. 4
5816. 5

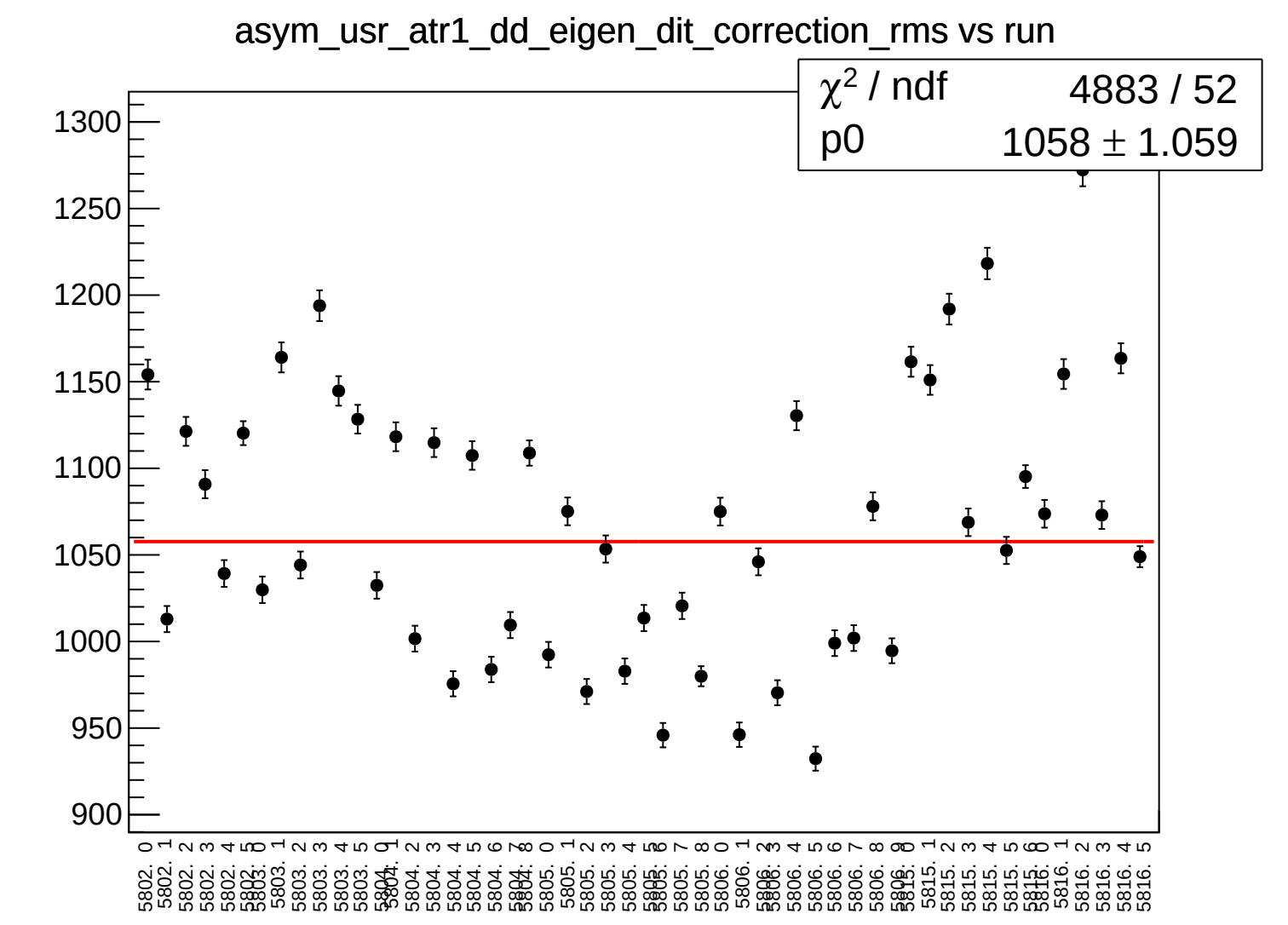

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 41.4 / 52
p0 1515 ± 1835
pull
Entries 53
Mean −15.63
Std Dev 0

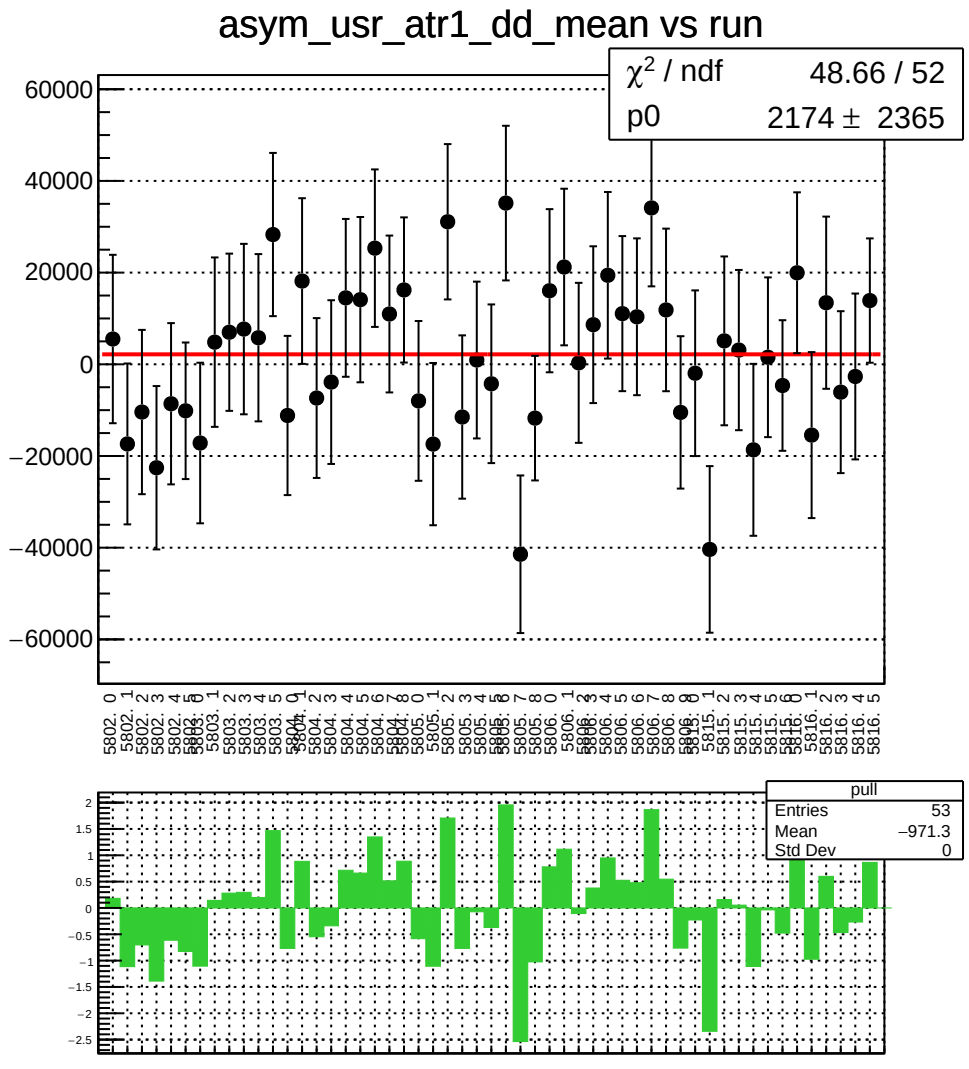

pull1D
Entries 53
Mean 0.02017
Std Dev 0.8836

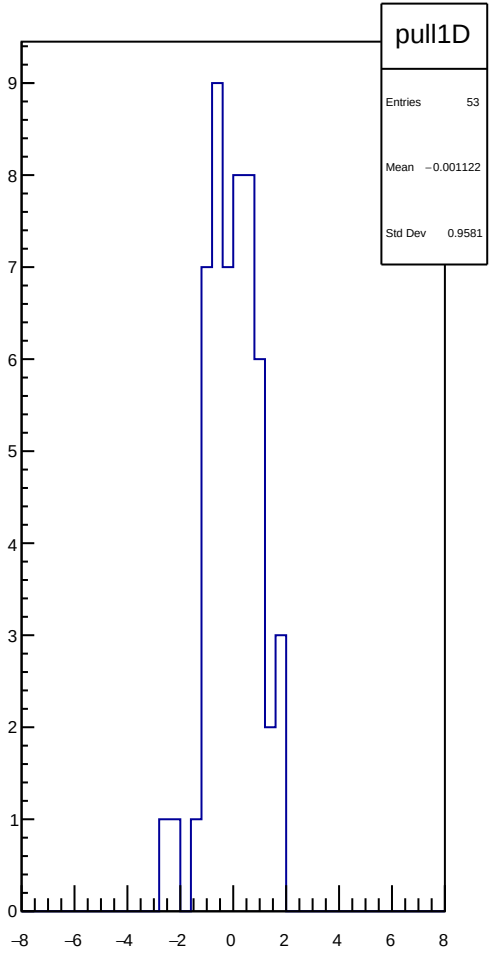

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 50.54 / 52
p0 1298 ± 1.297
1340
1330
1320
1310
1300
1290
1280
1270
1260

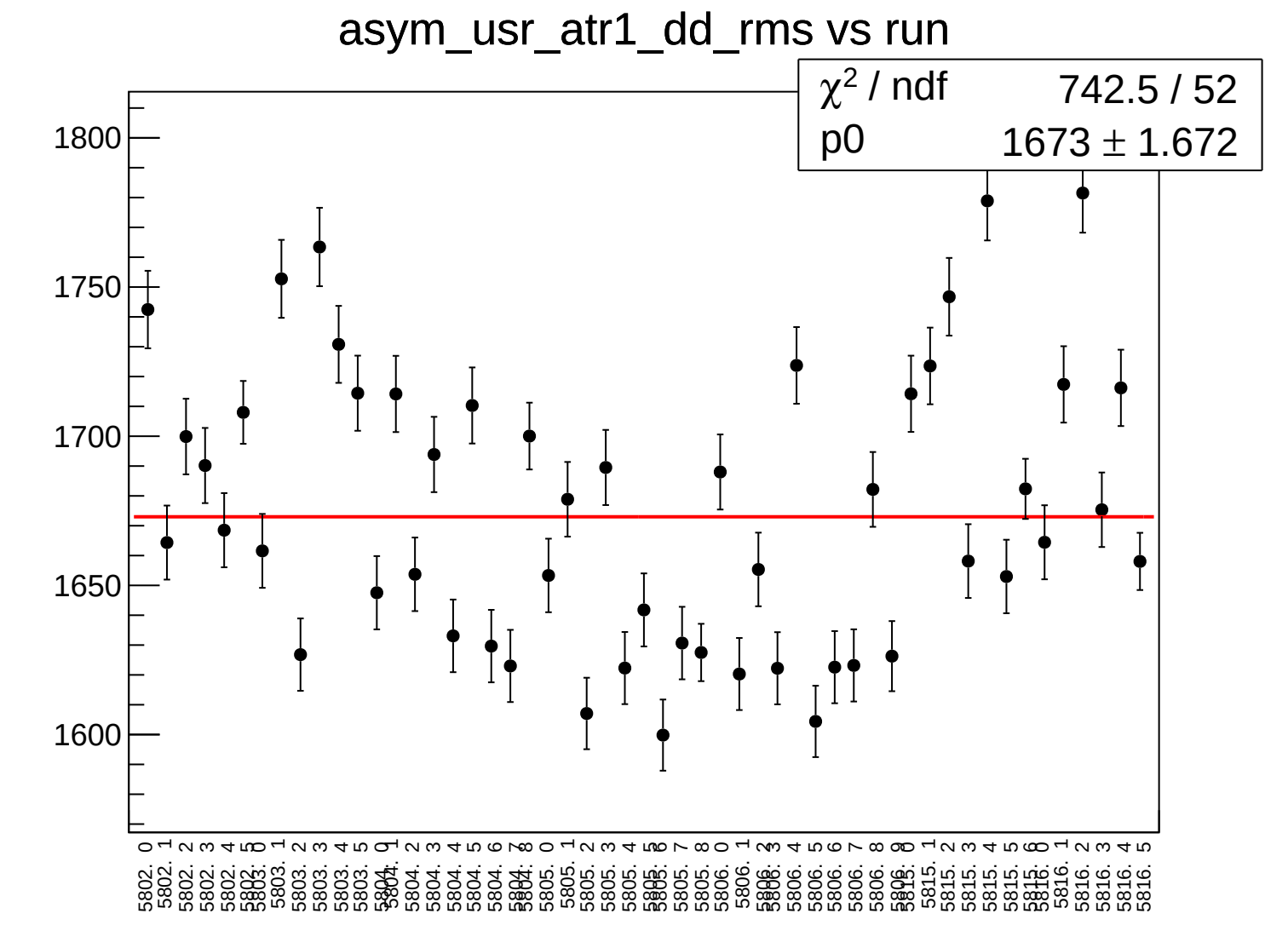

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.89 / 52
p0 −680.1± 1498
pull
Entries 53
Mean −77.66
Std Dev 0

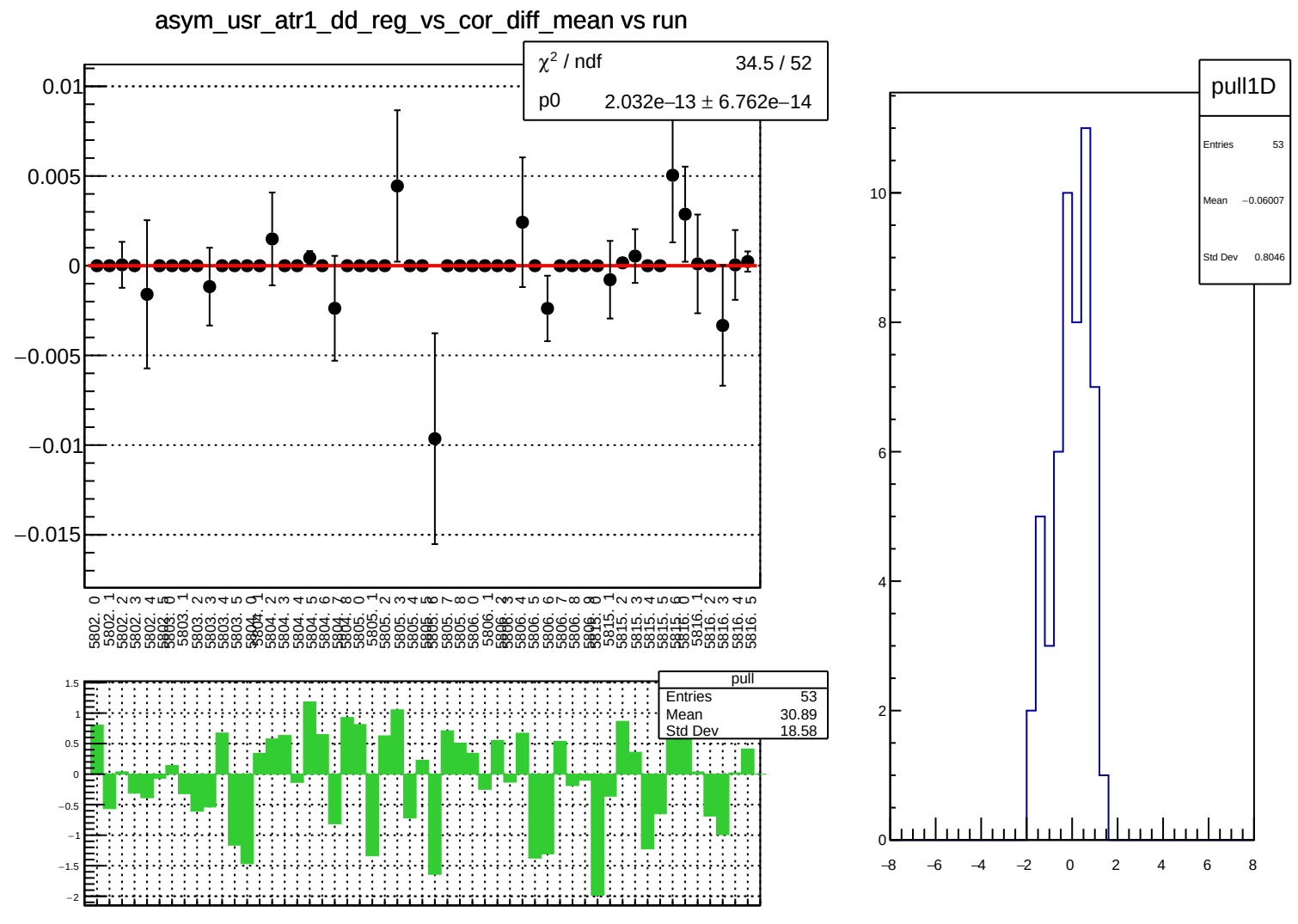

pull1D
Entries 53
Mean 0.02718
Std Dev 1.123

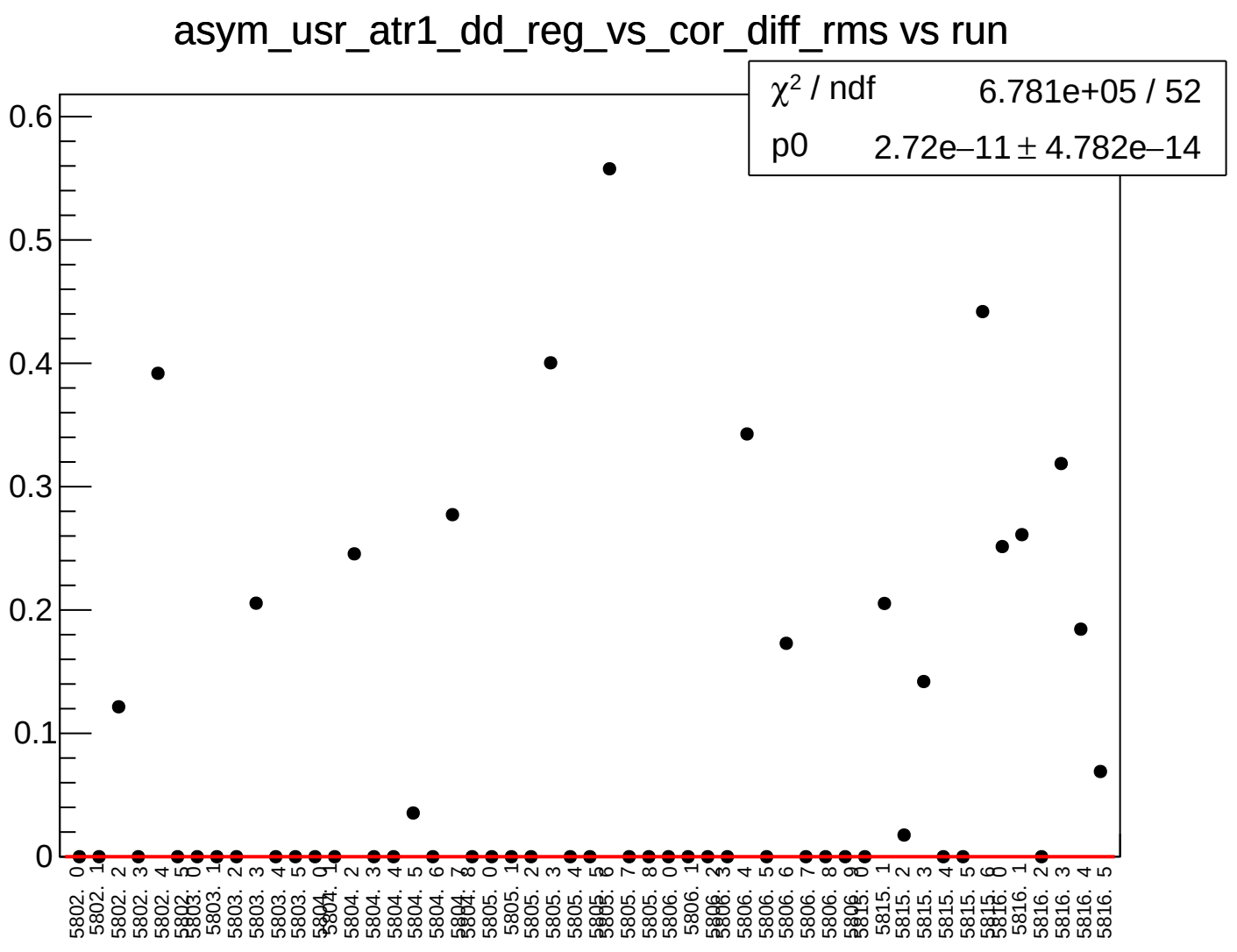

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4883 / 52
p0 1058 ± 1.059
1300
1250
1200
1150
1100
1050
1000
950
900

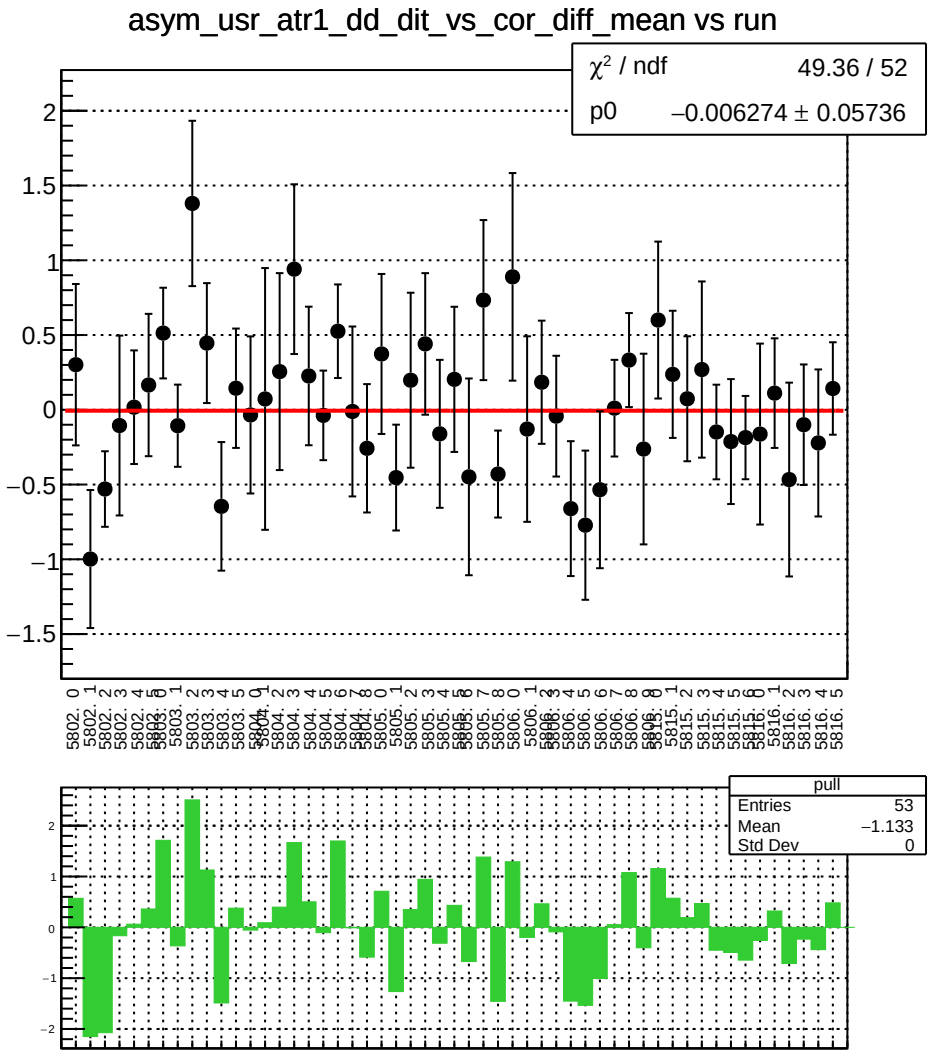

asym_usr_atr1_dd_mean vs run
χ² / ndf 48.66 / 52
p0 2174 ± 2365
pull
Entries 53
Mean −971.3
Std Dev 0

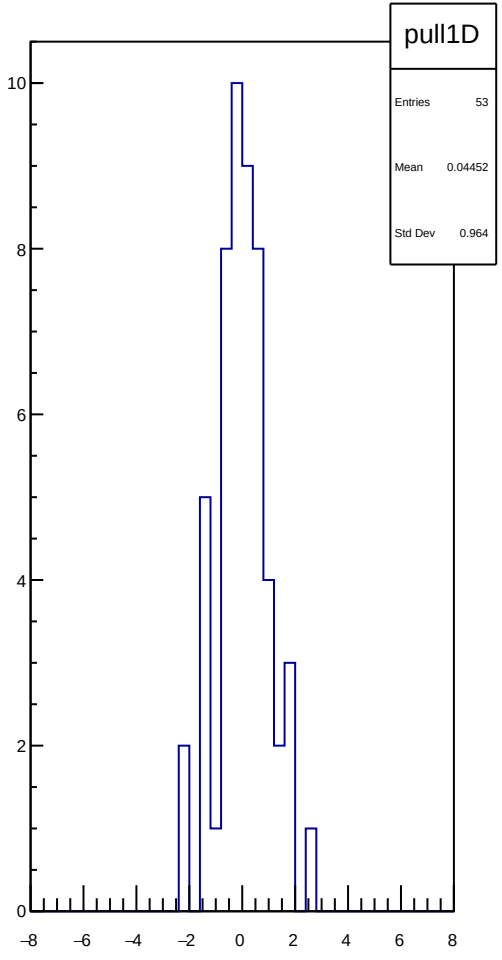

pull1D
Entries 53
Mean −0.001122
Std Dev 0.9581

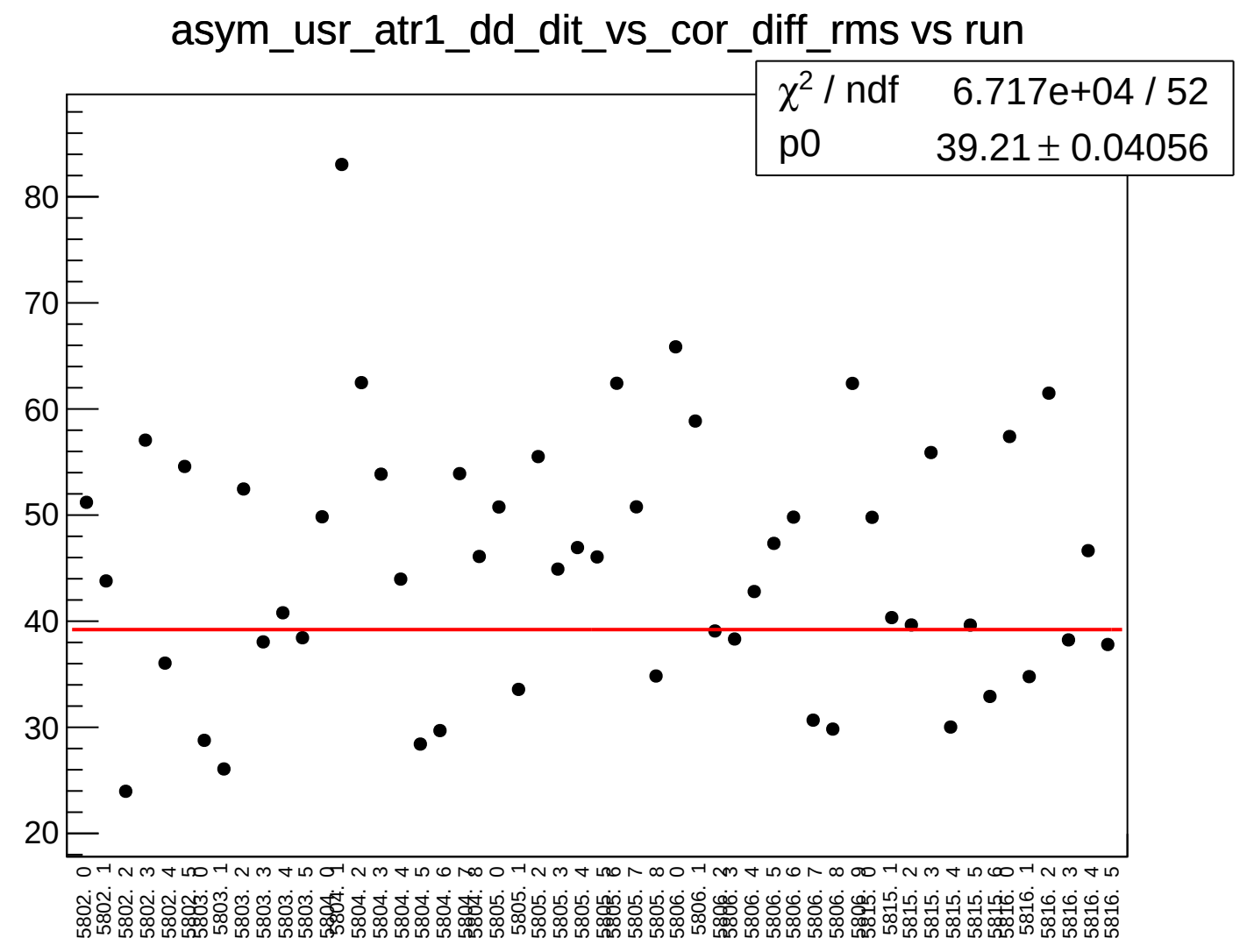

asym_usr_atr1_dd_rms vs run
χ² / ndf 742.5 / 52
p0 1673 ± 1.672
1800
1750
1700
1650
1600

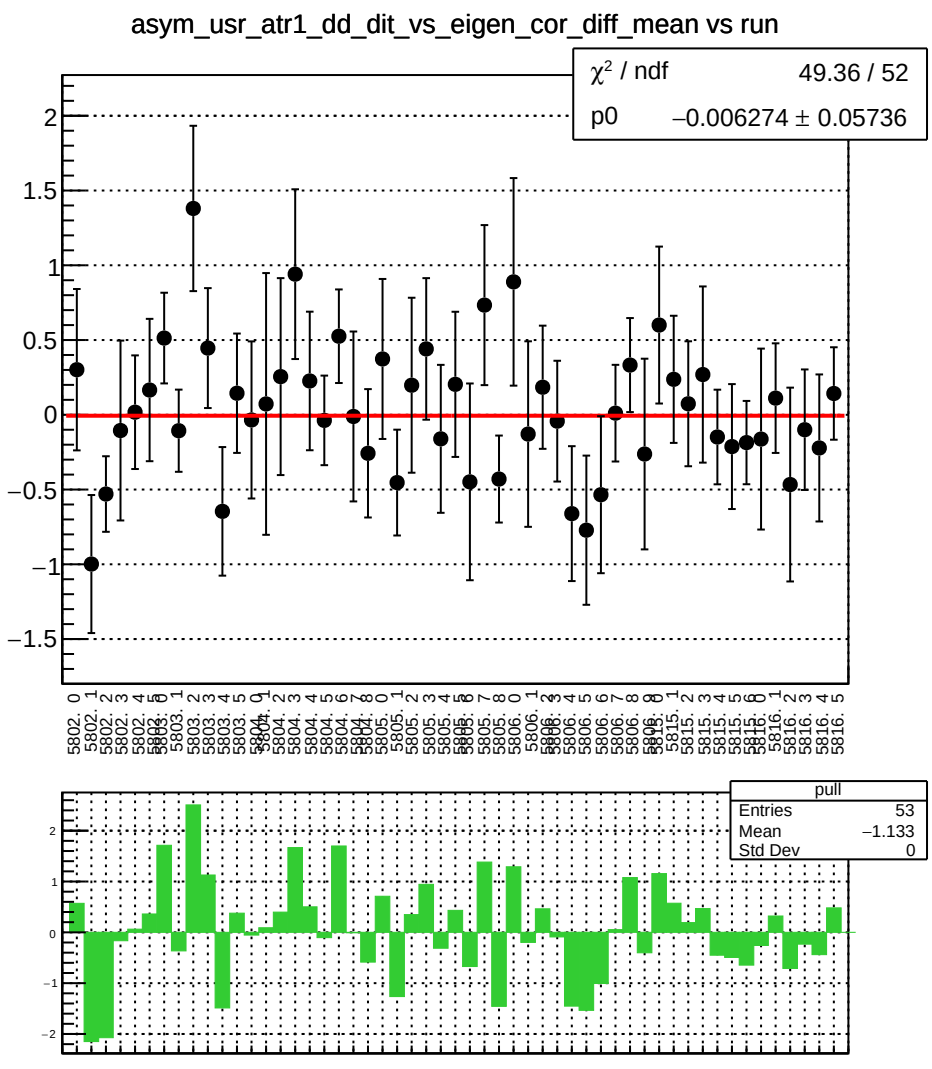

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.5 / 52
p0 2.032e−13 ± 6.762e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 53
Mean 30.89
Std Dev 18.58
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.06007
Std Dev 0.8046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

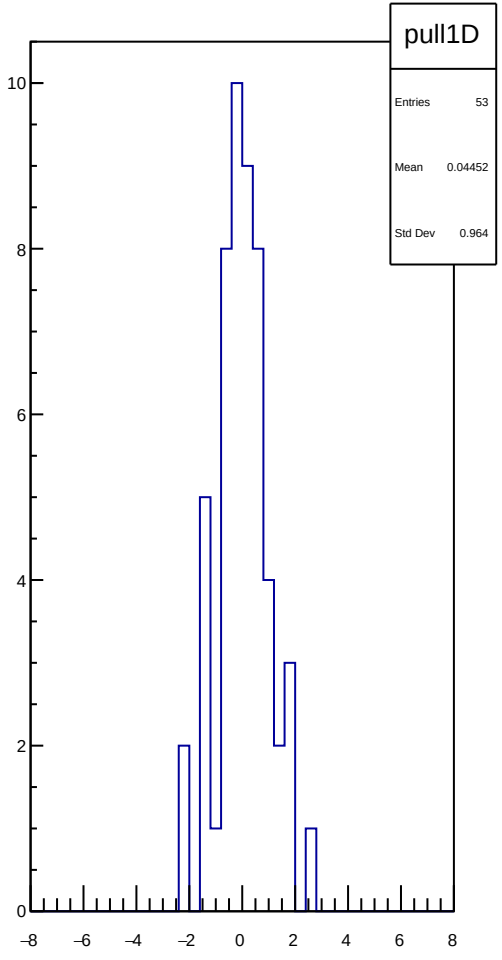

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.781e+05 / 52
p0 2.72e−11 ± 4.782e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

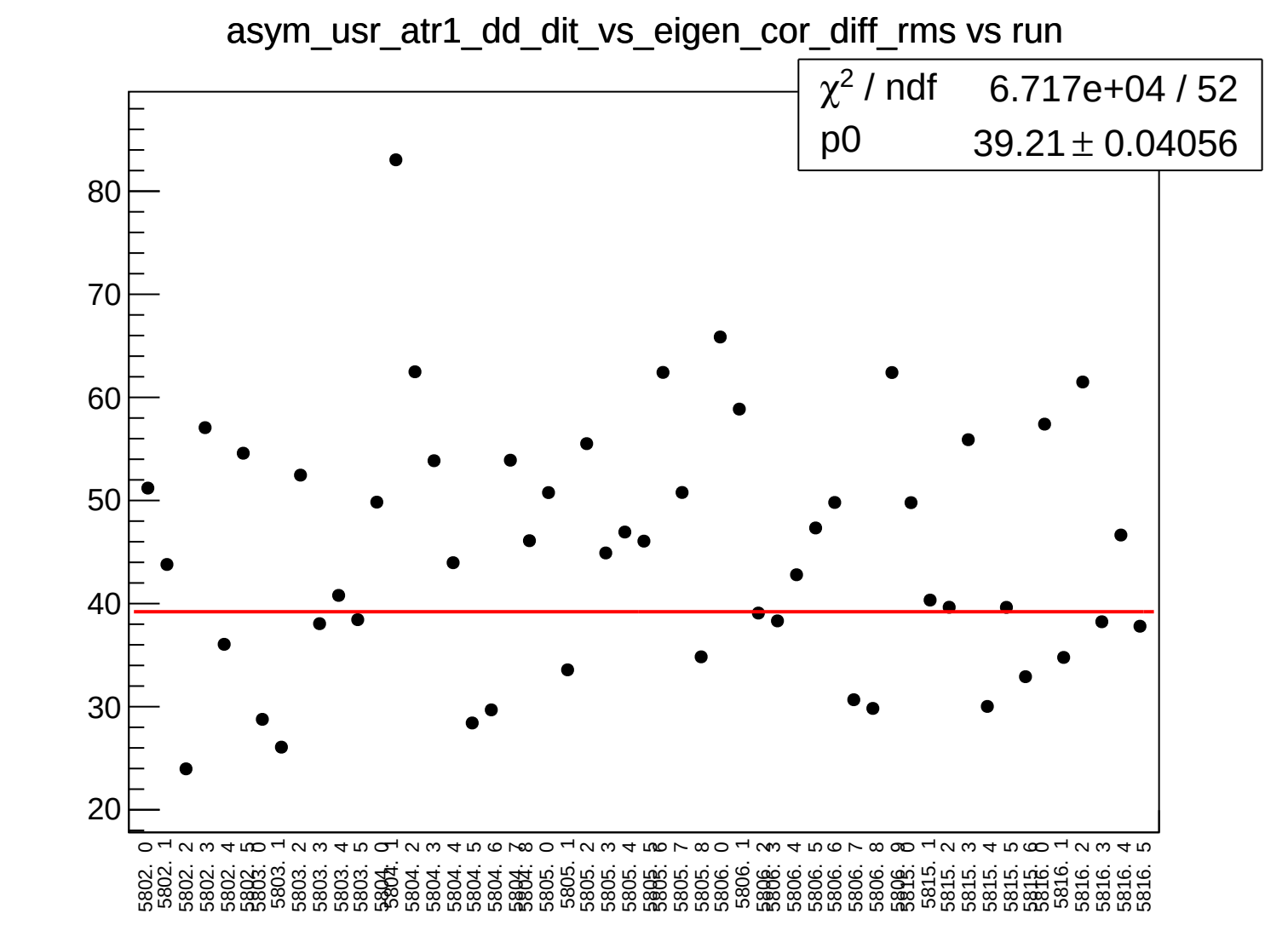

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 52
p0 −0.006274 ± 0.05736
pull
Entries 53
Mean −1.133
Std Dev 0

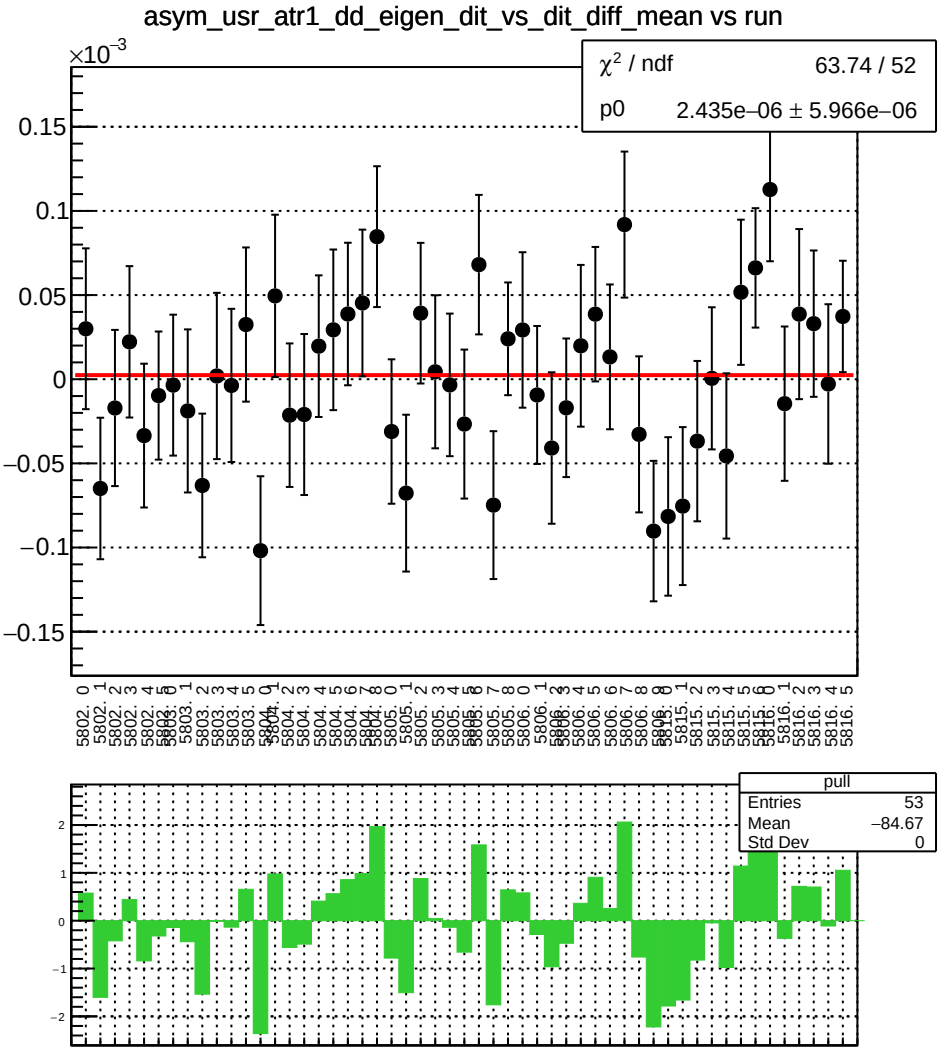

pull1D
Entries 53
Mean 0.04452
Std Dev 0.964

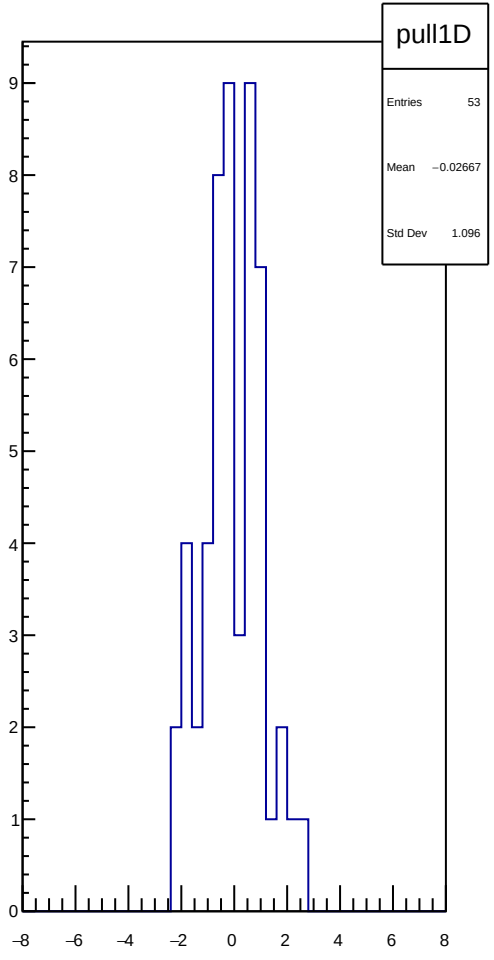

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.717e+04 / 52
p0 39.21 ± 0.04056
80
70
60
50
40
30
20

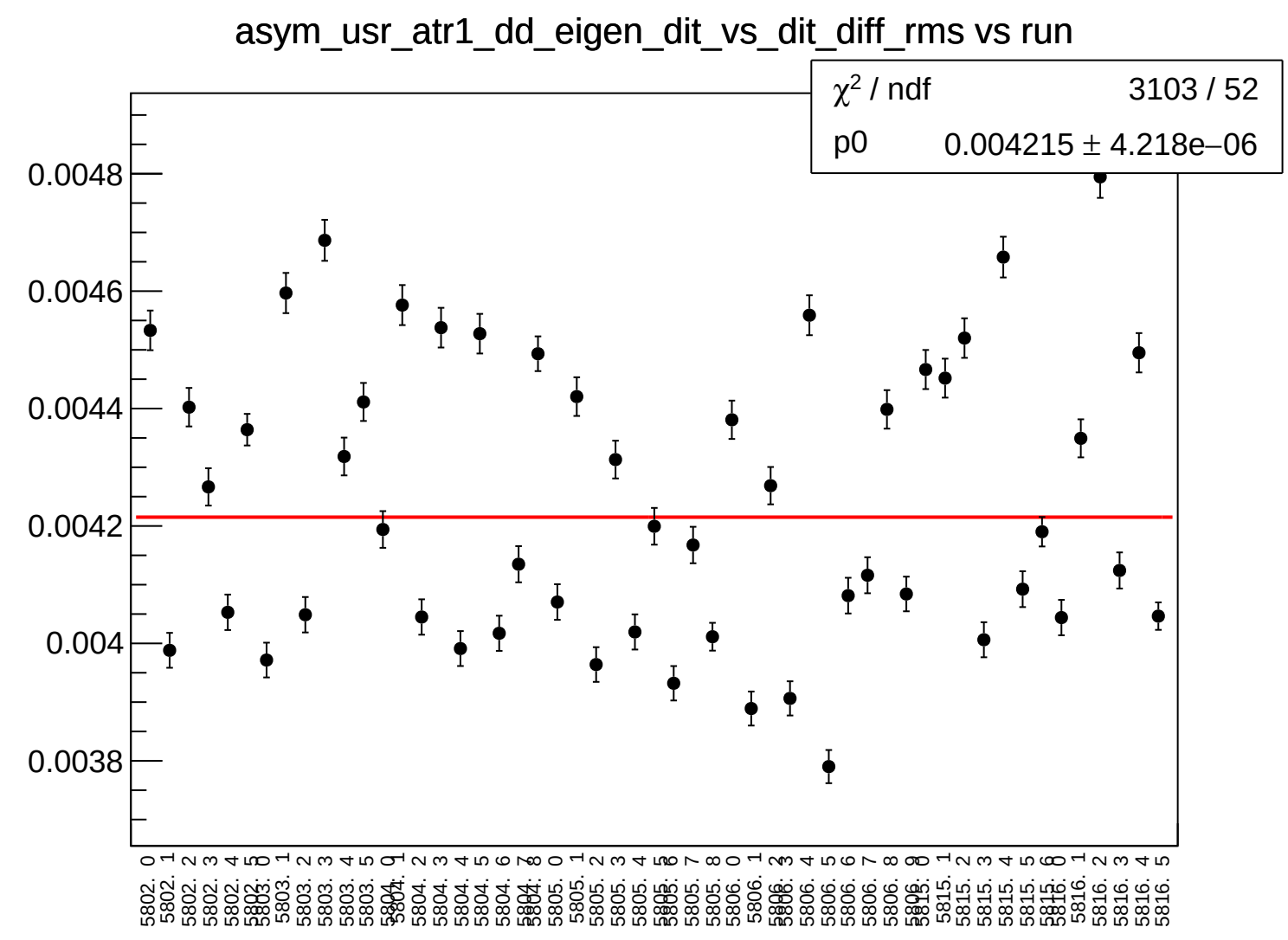

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 52
p0 −0.006274 ± 0.05736
pull
Entries 53
Mean −1.133
Std Dev 0

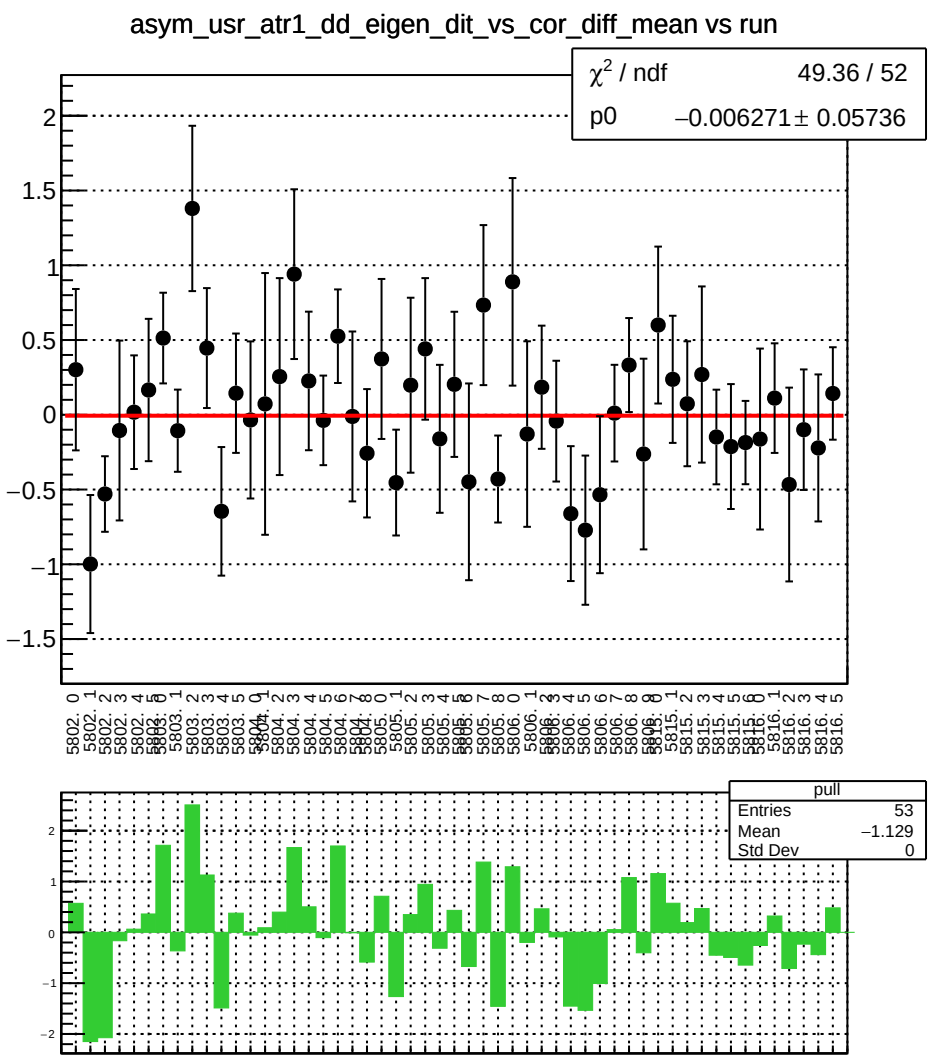

pull1D
Entries 53
Mean 0.04452
Std Dev 0.964

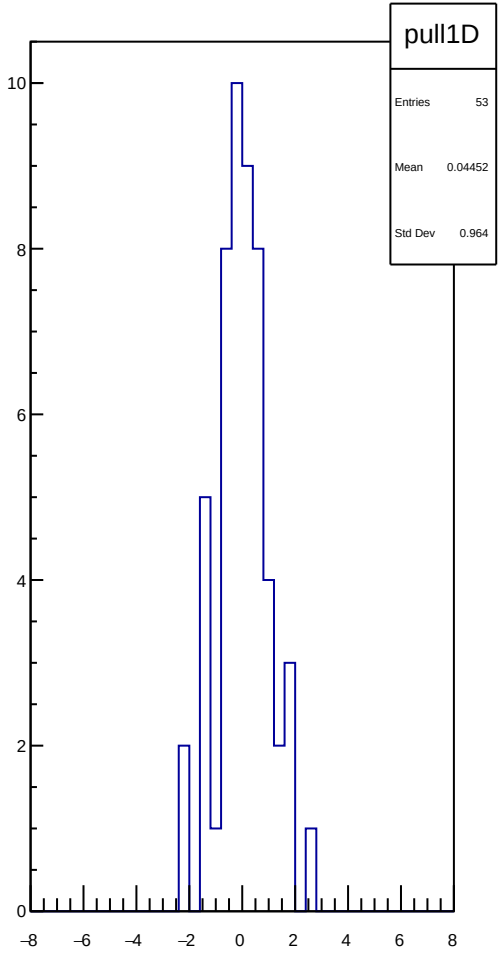

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.717e+04 / 52
p0 39.21 ± 0.04056
80
70
60
50
40
30
20

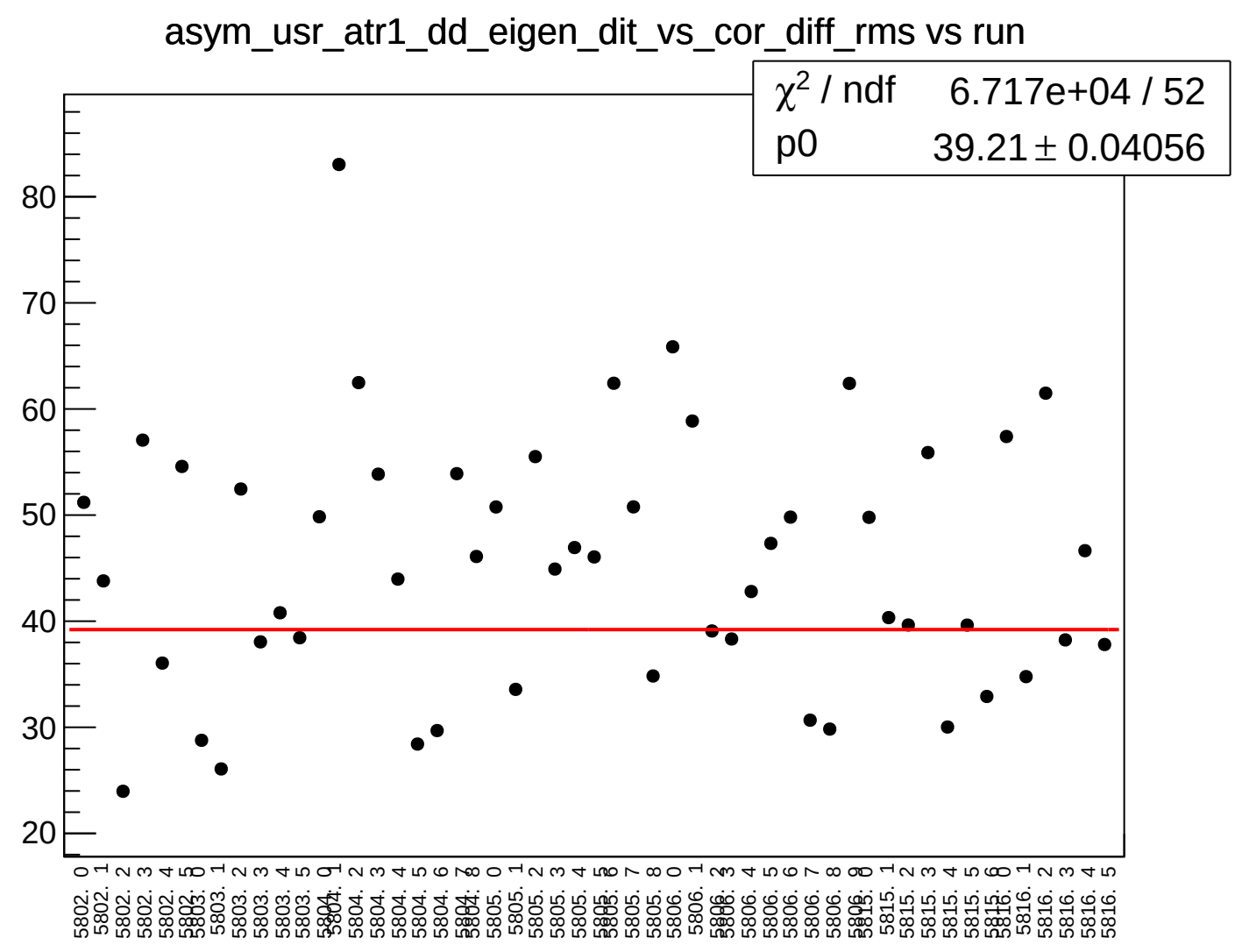

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.74 / 52
p0 2.435e−06 ± 5.966e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 53
Mean −84.67
Std Dev 0
2
1
0
−1
−2

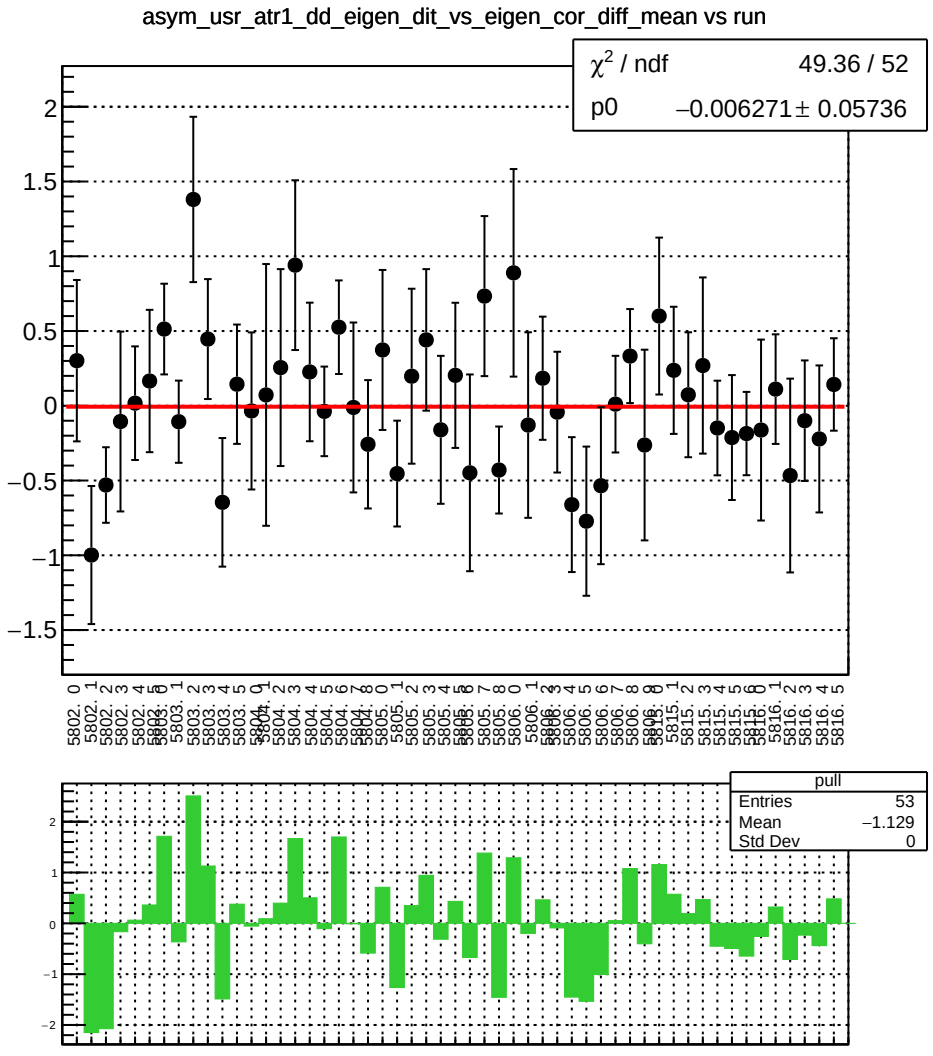

pull1D
Entries 53
Mean −0.02667
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

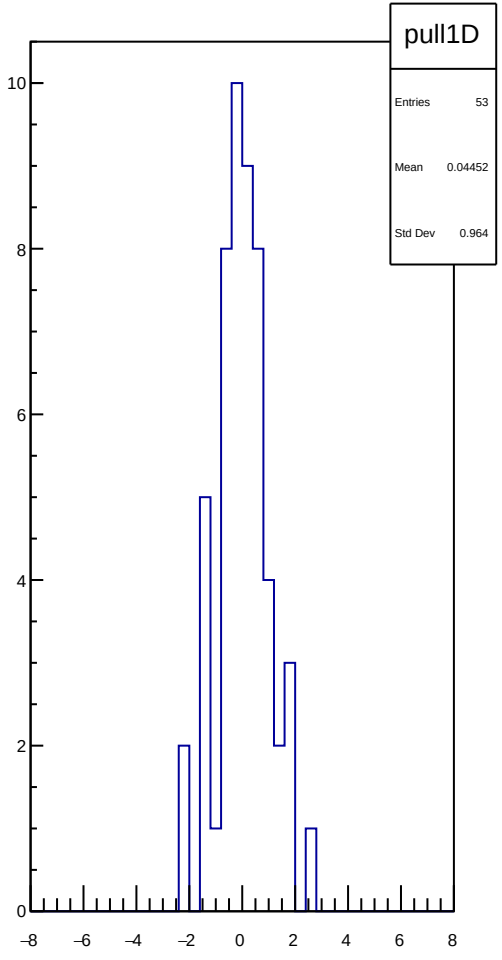

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3103 / 52
p0 0.004215 ± 4.218e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

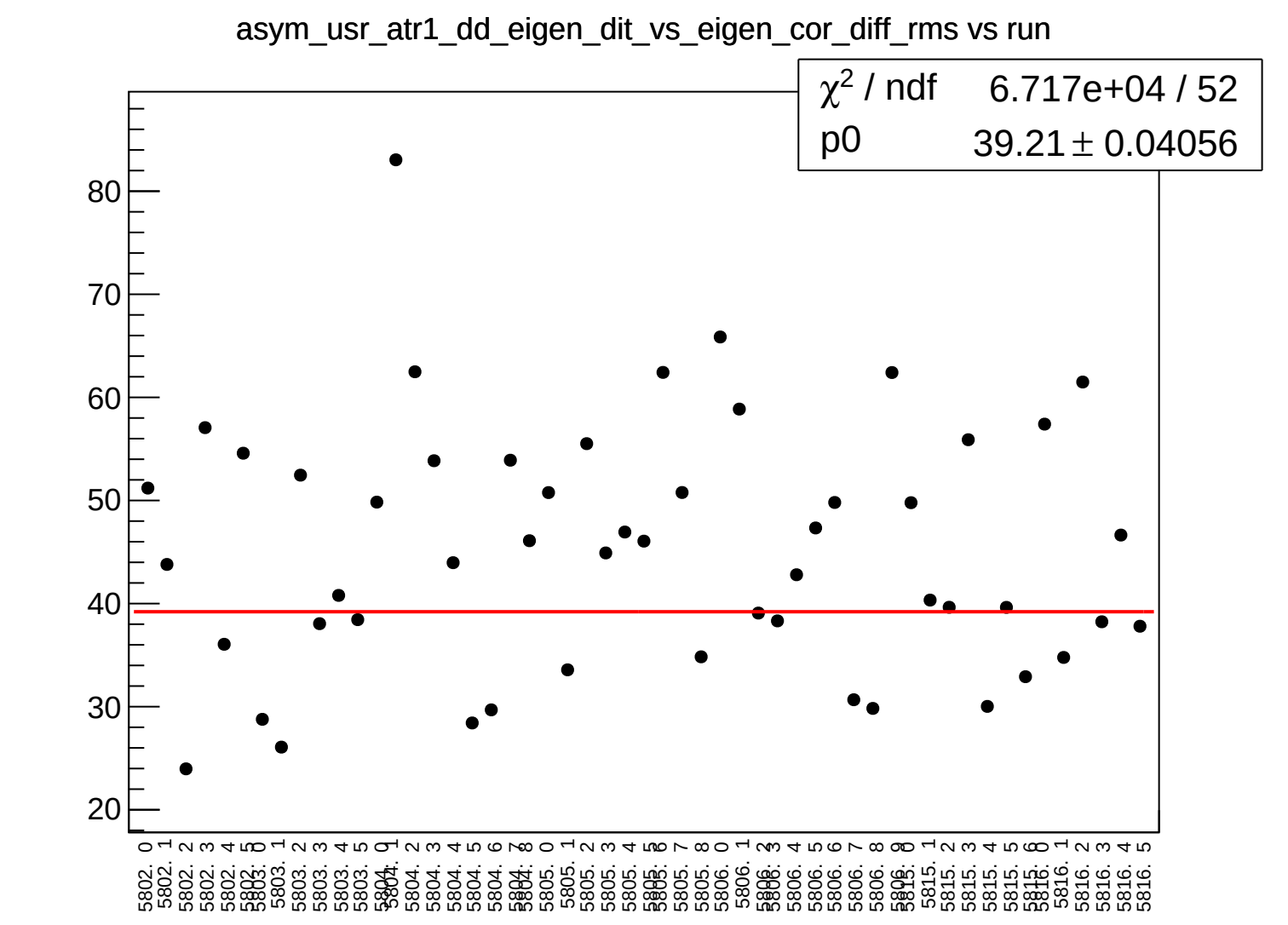

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.36 / 52
p0 −0.006271 ± 0.05736
pull
Entries 53
Mean −1.129
Std Dev 0


pull1D
Entries 53
Mean 0.04452
Std Dev 0.964


asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.717e+04 / 52
p0 39.21 ± 0.04056
80
70
60
50
40
30
20


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.36 / 52
p0 −0.006271 ± 0.05736
pull
Entries 53
Mean −1.129
Std Dev 0


pull1D
Entries 53
Mean 0.04452
Std Dev 0.964


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.717e+04 / 52
p0 39.21 ± 0.04056
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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5815. 3
5815. 4
5815. 5
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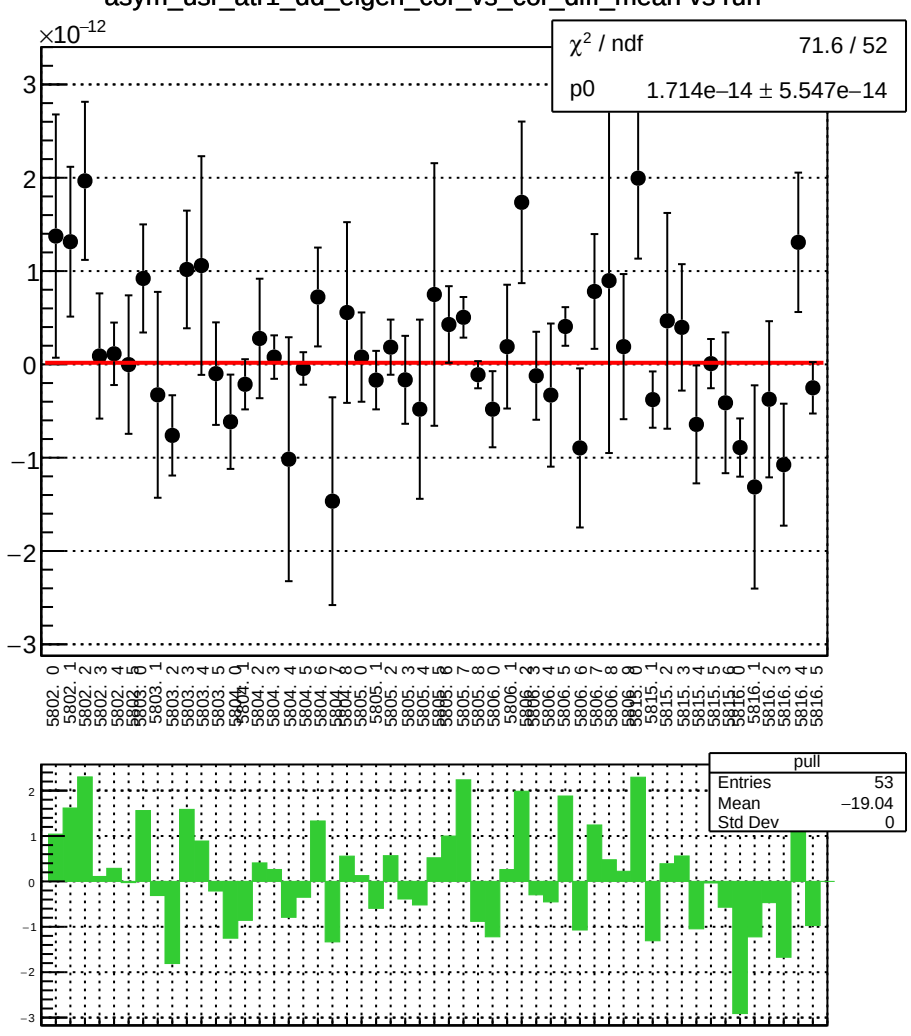
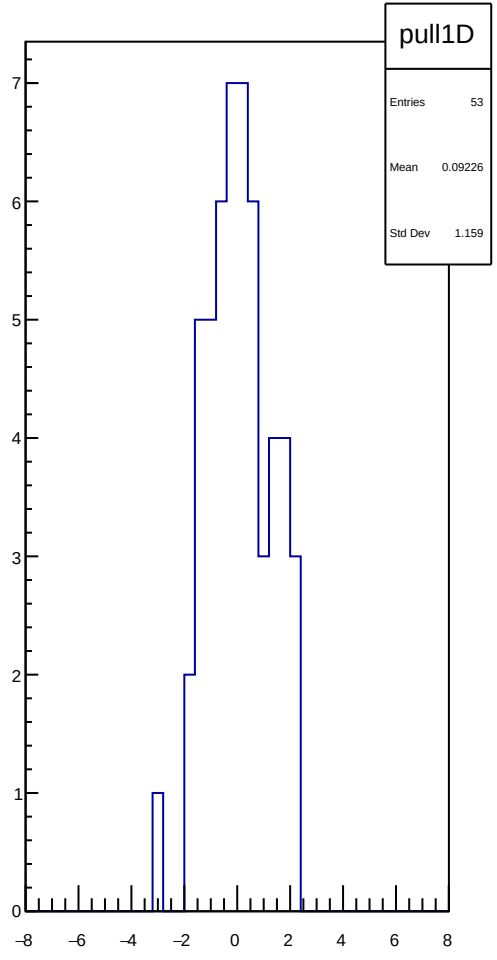
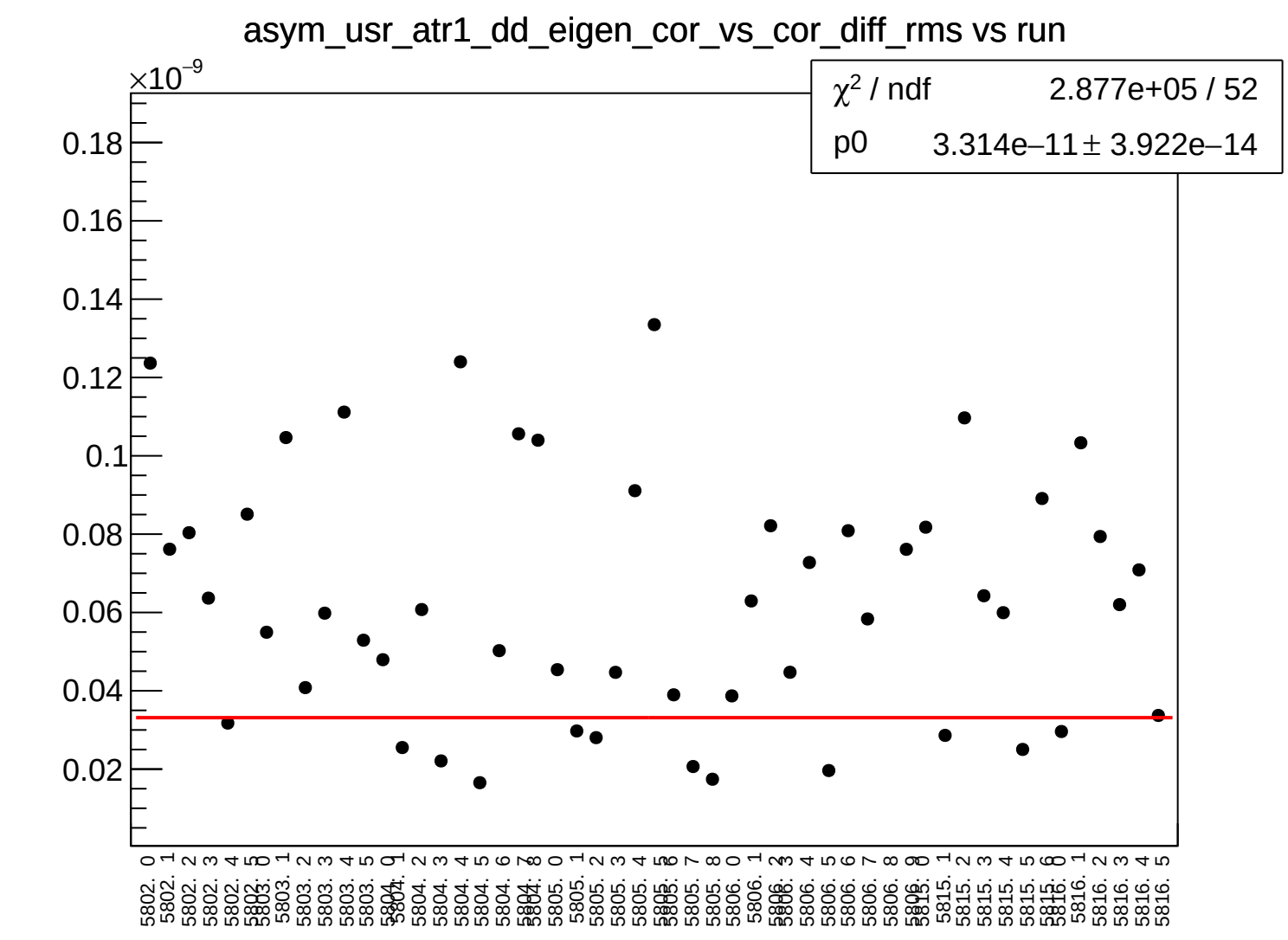
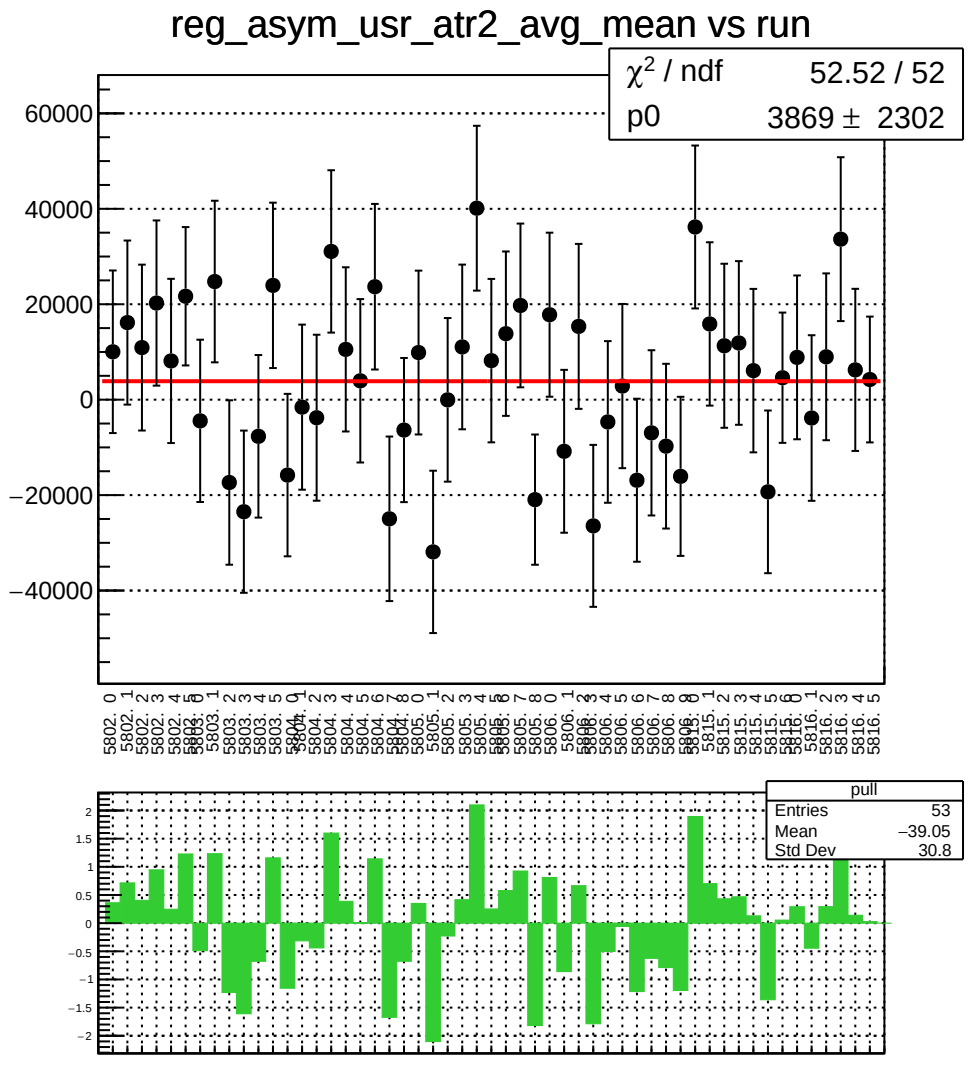
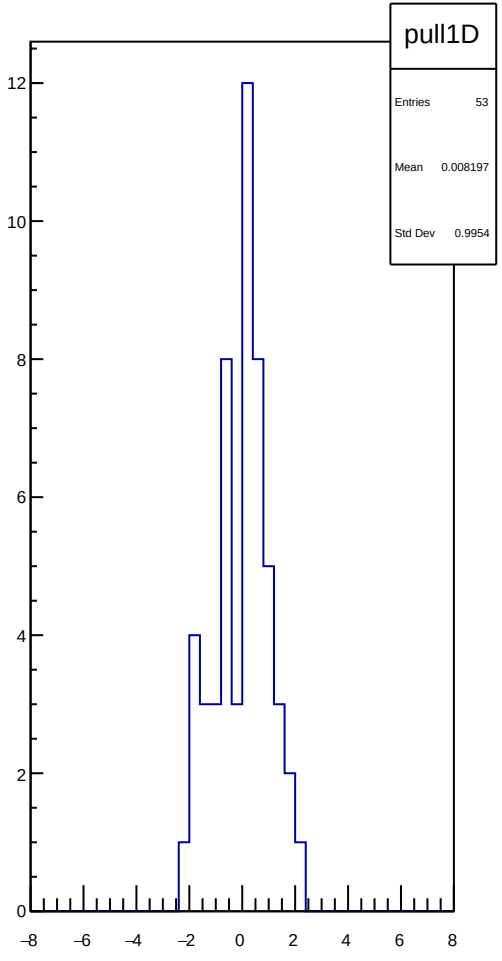
5816. 4
5816. 5

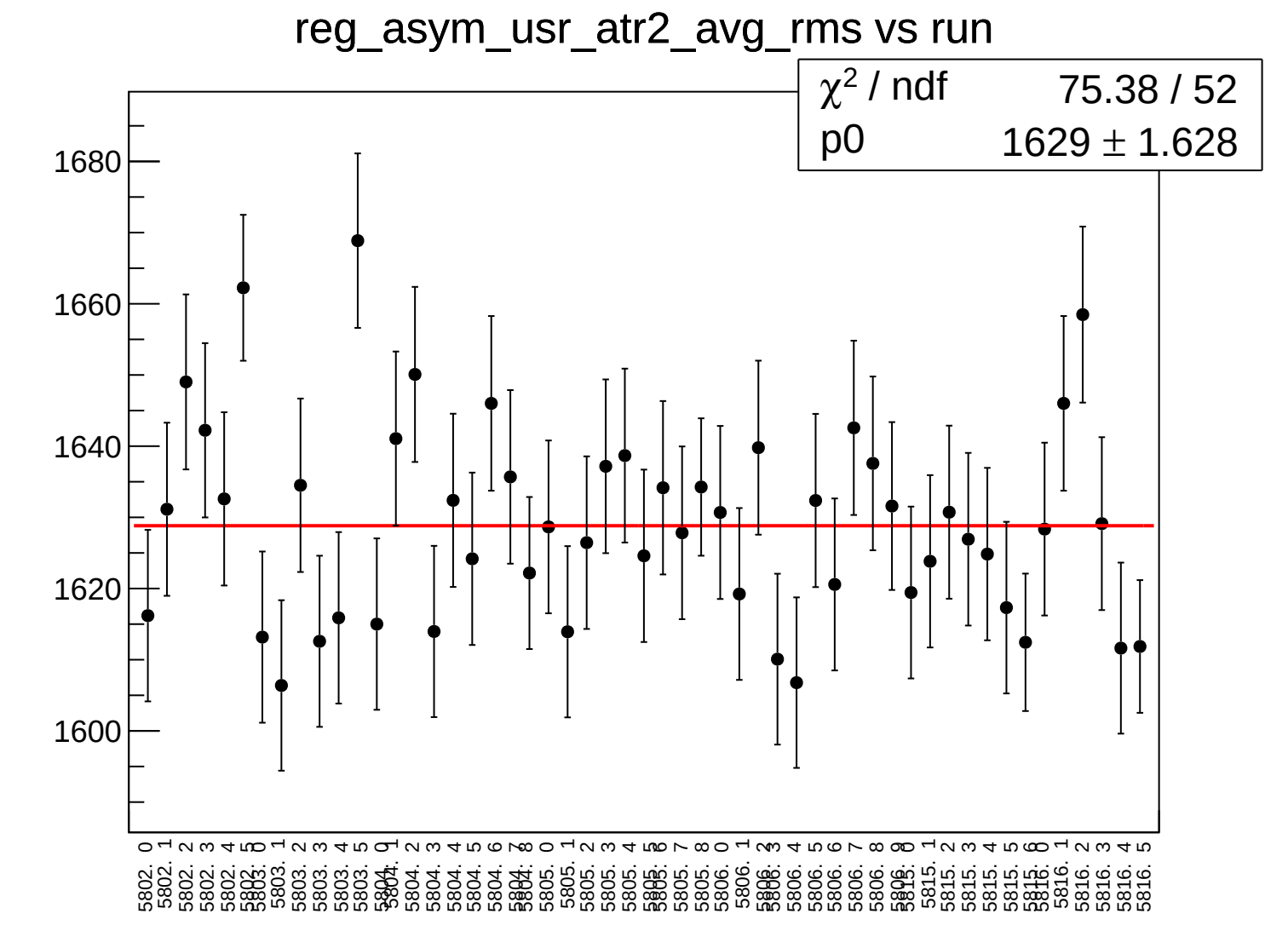

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.6 / 52
p0 1.714e−14 ± 5.547e−14
pull
Entries 53
Mean −19.04
Std Dev 0

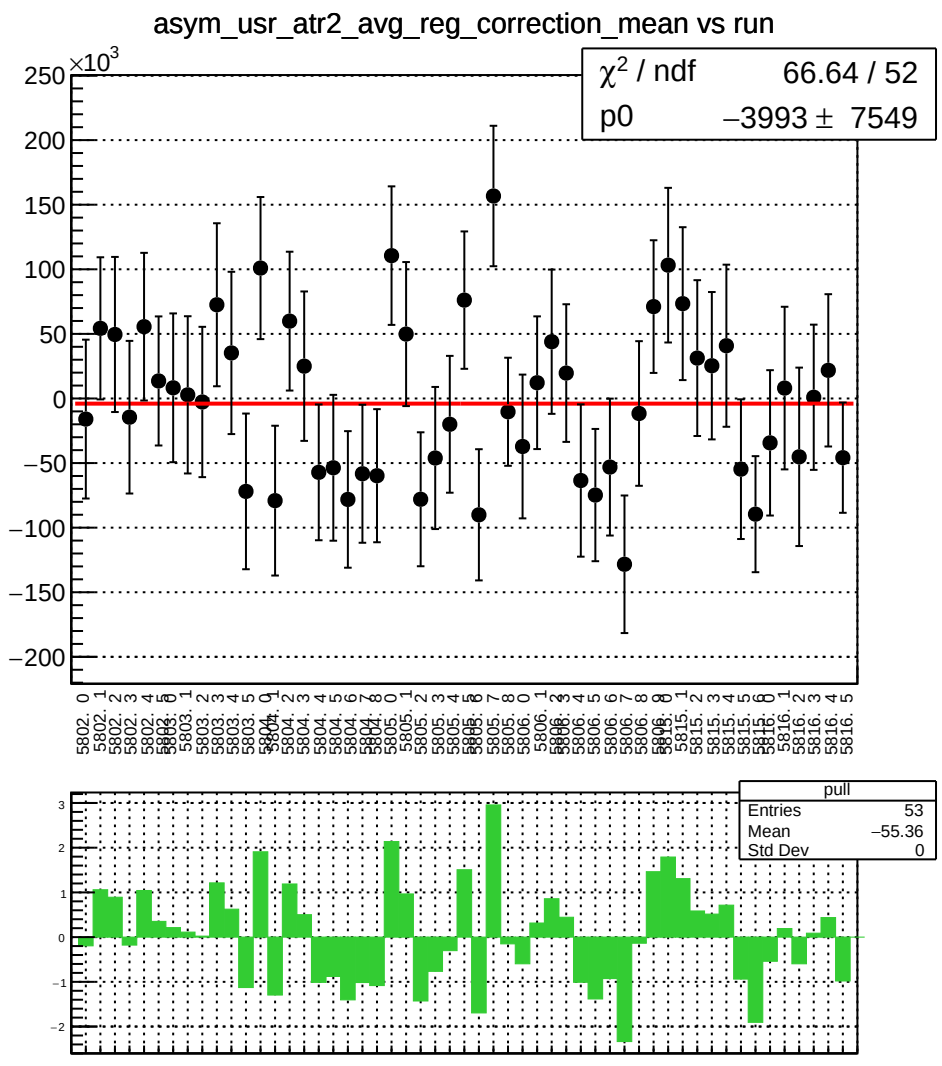

pull1D
Entries 53
Mean 0.09226
Std Dev 1.159

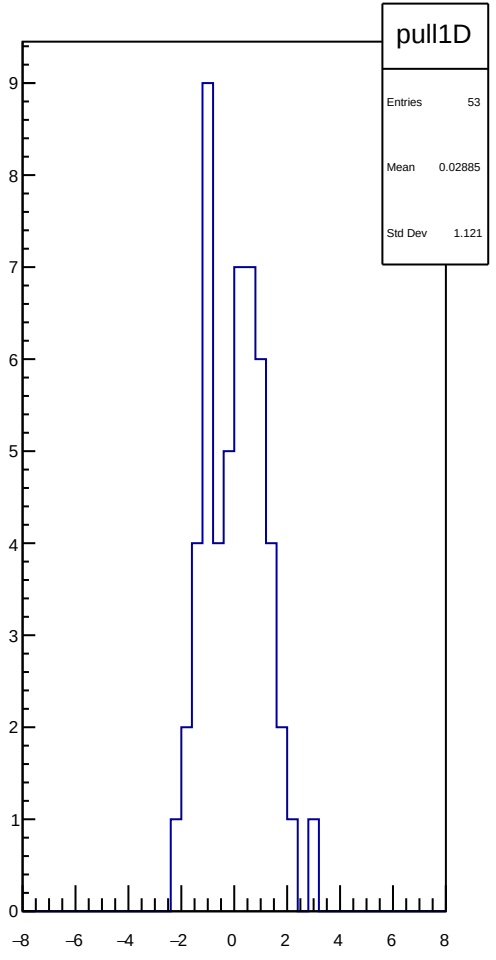

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.877e+05 / 52
p0 3.314e−11 ± 3.922e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

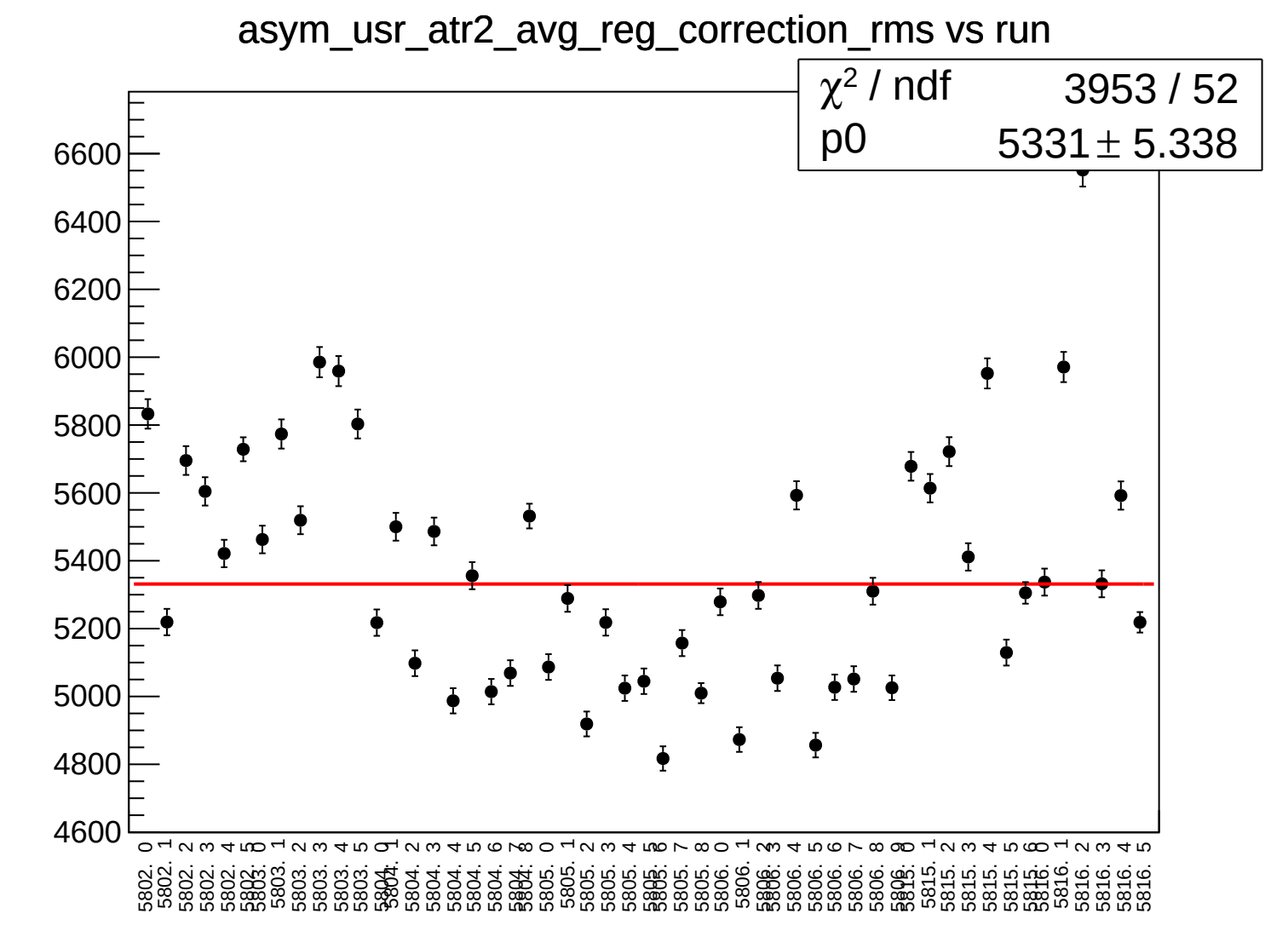

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.52 / 52
p0 3869 ± 2302
pull
Entries 53
Mean −39.05
Std Dev 30.8

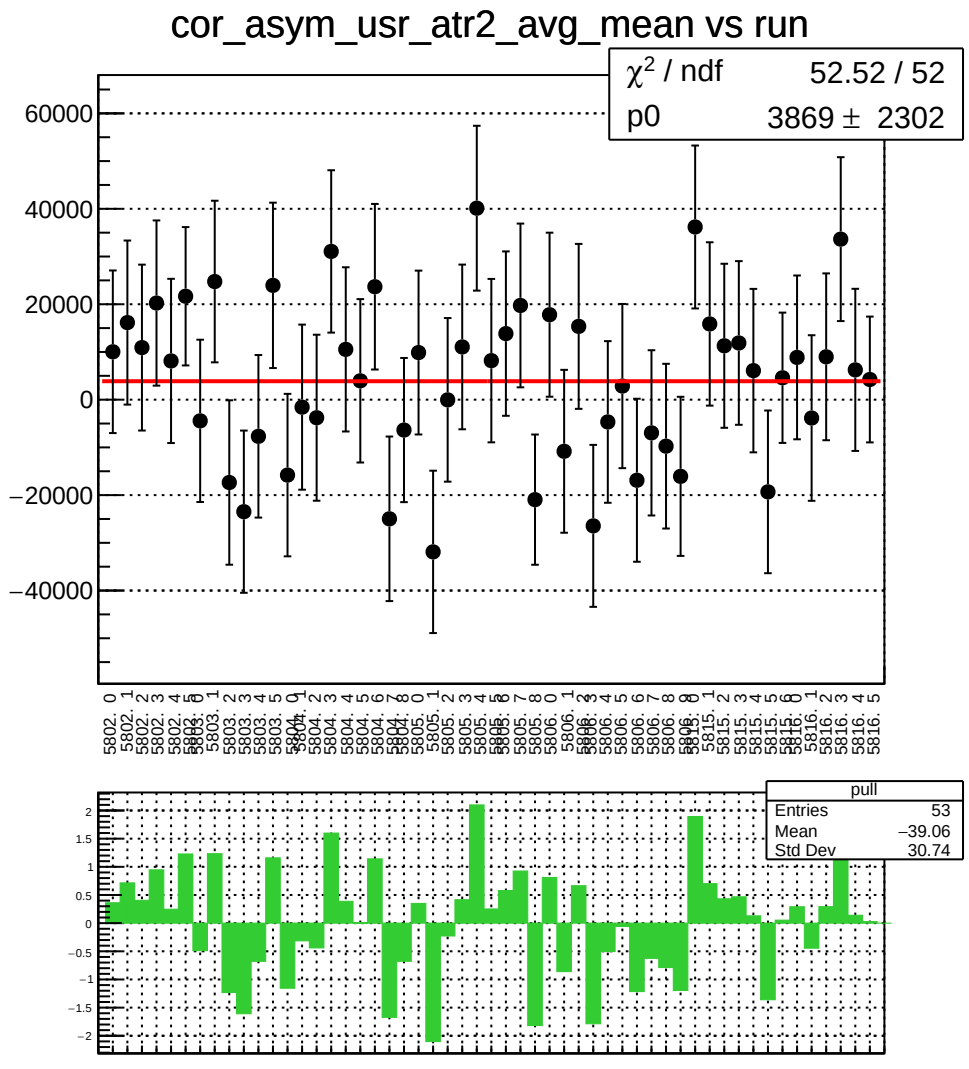

pull1D
Entries 53
Mean 0.008197
Std Dev 0.9954

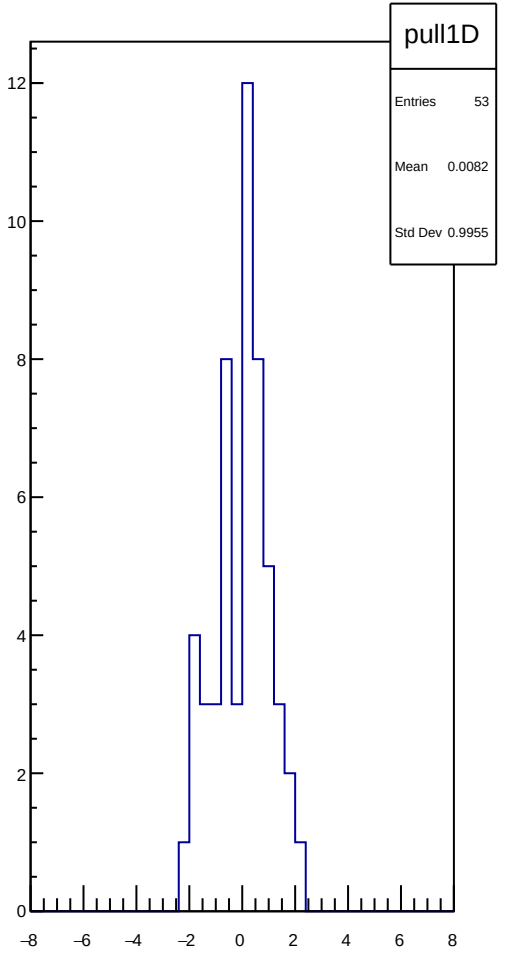

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 75.38 / 52
p0 1629 ± 1.628
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

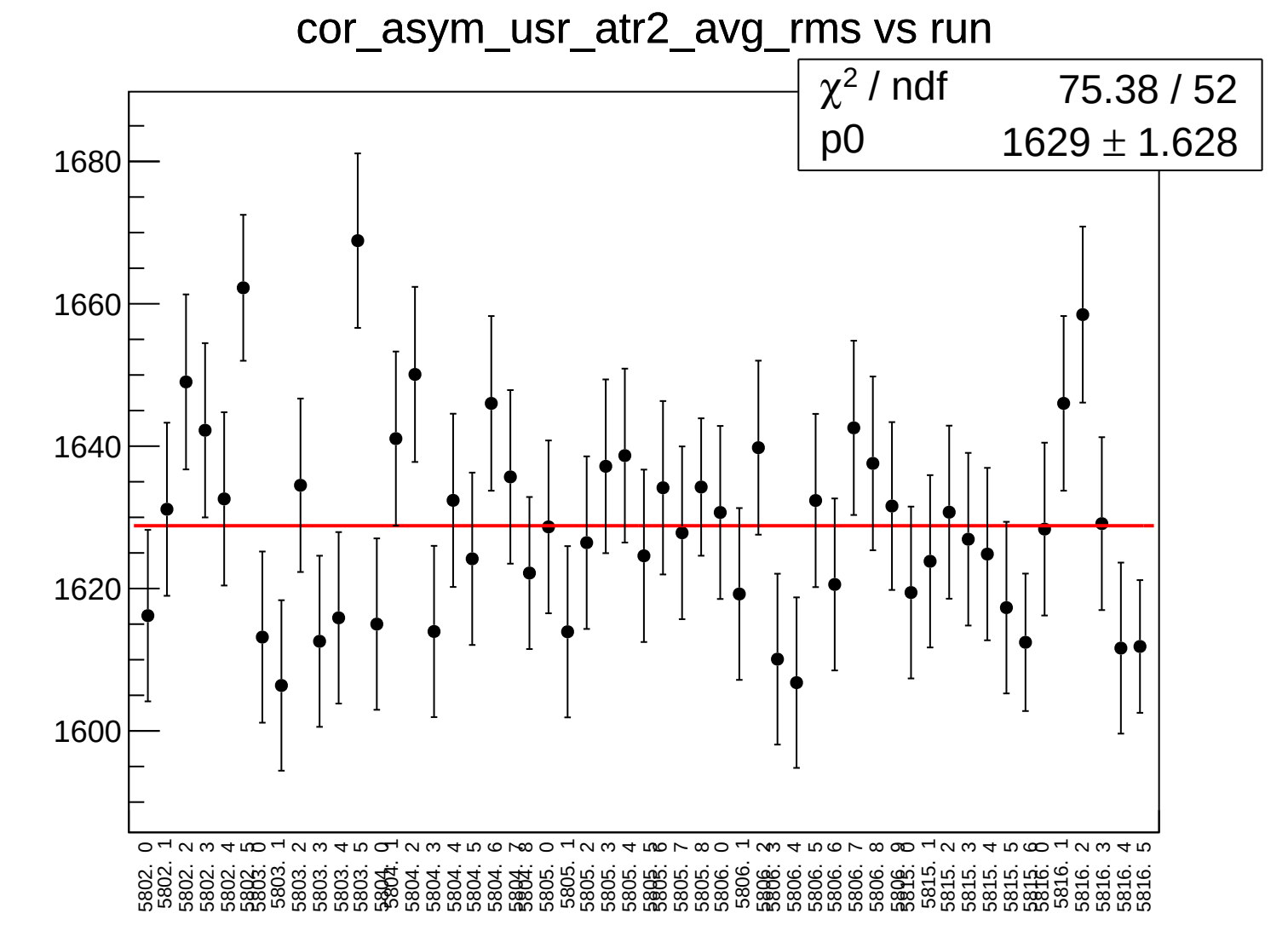

asym_usr_atr2_avg_reg_correction_mean vs run
χ² / ndf 66.64 / 52
p0 −3993 ± 7549
×10³
pull
Entries 53
Mean −55.36
Std Dev 0

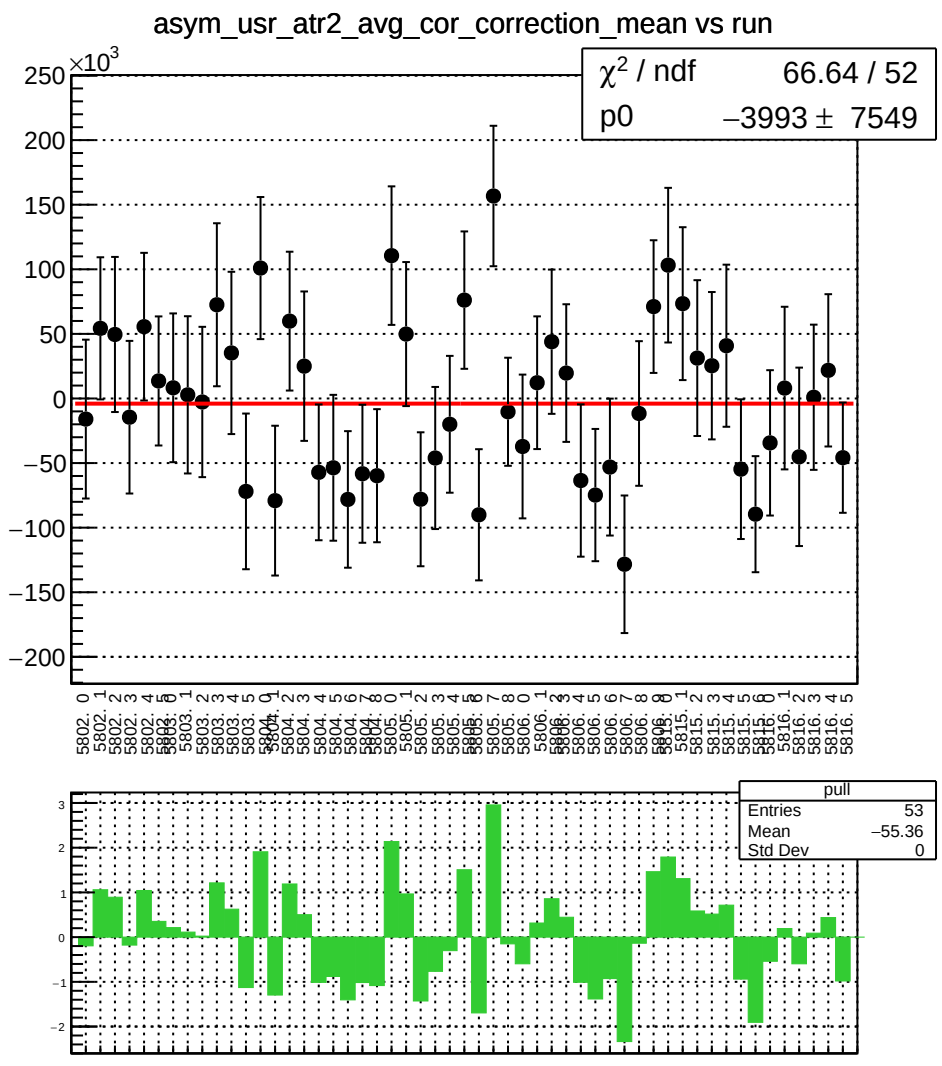

pull1D
Entries 53
Mean 0.02885
Std Dev 1.121

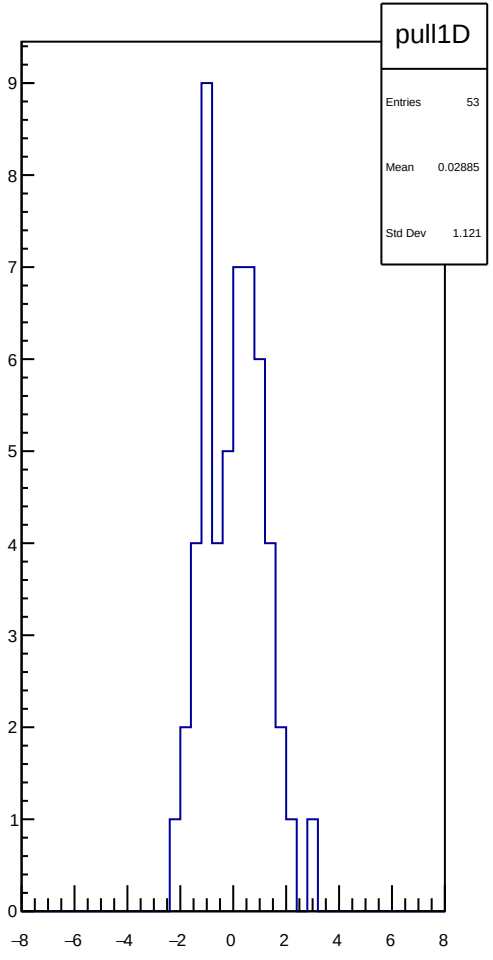

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 3953 / 52
p0 5331 ± 5.338
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

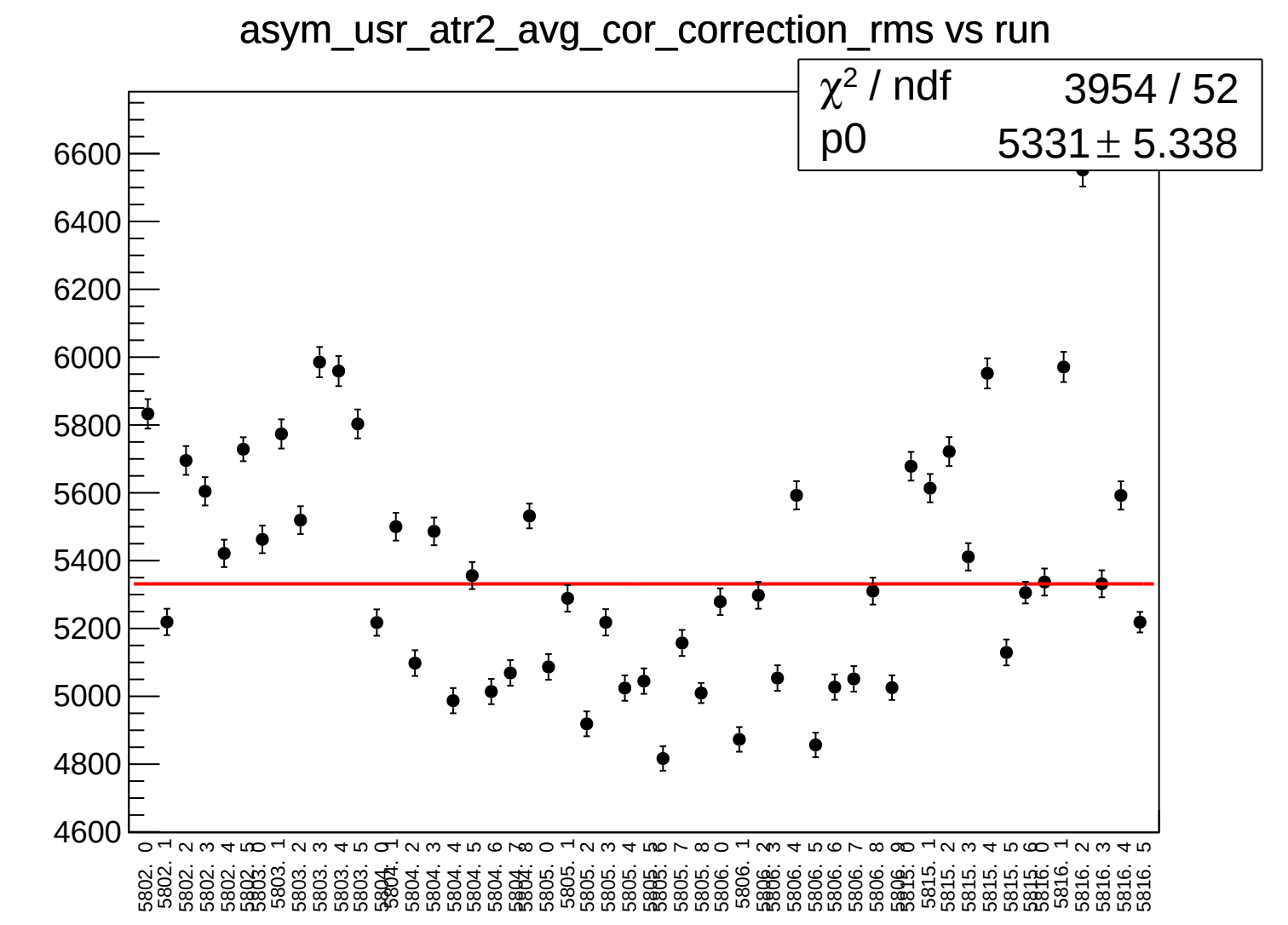

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.52 / 52
p0 3869 ± 2302
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −39.06
Std Dev 30.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

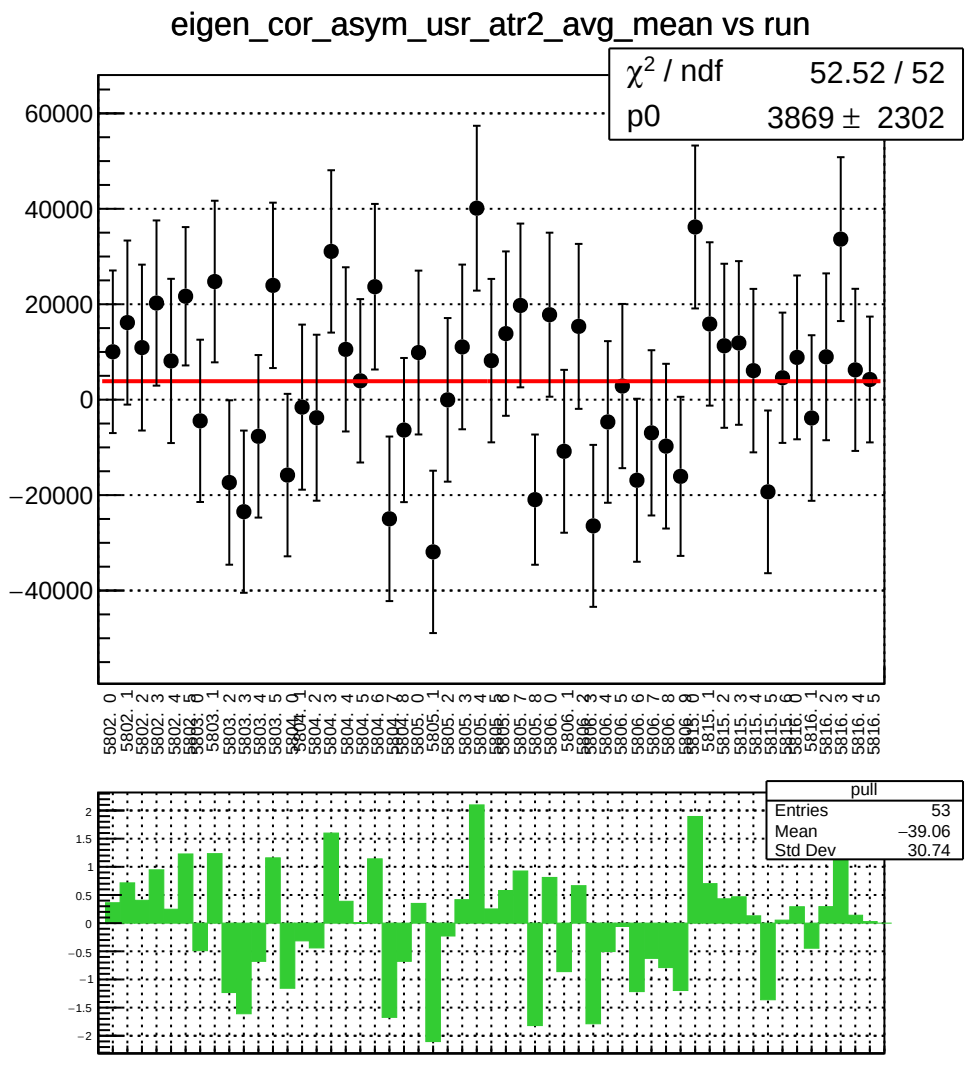

pull1D
Entries 53
Mean 0.0082
Std Dev 0.9955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

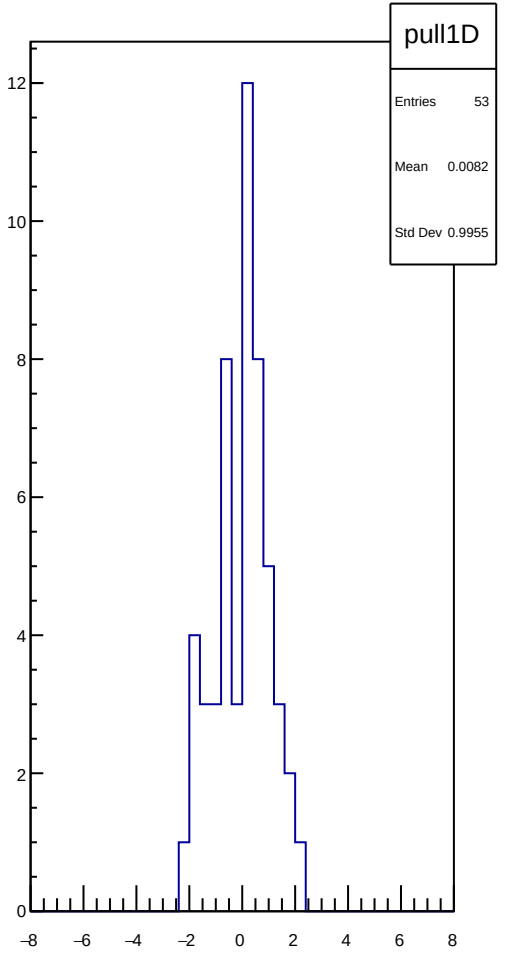

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 75.38 / 52
p0 1629 ± 1.628
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

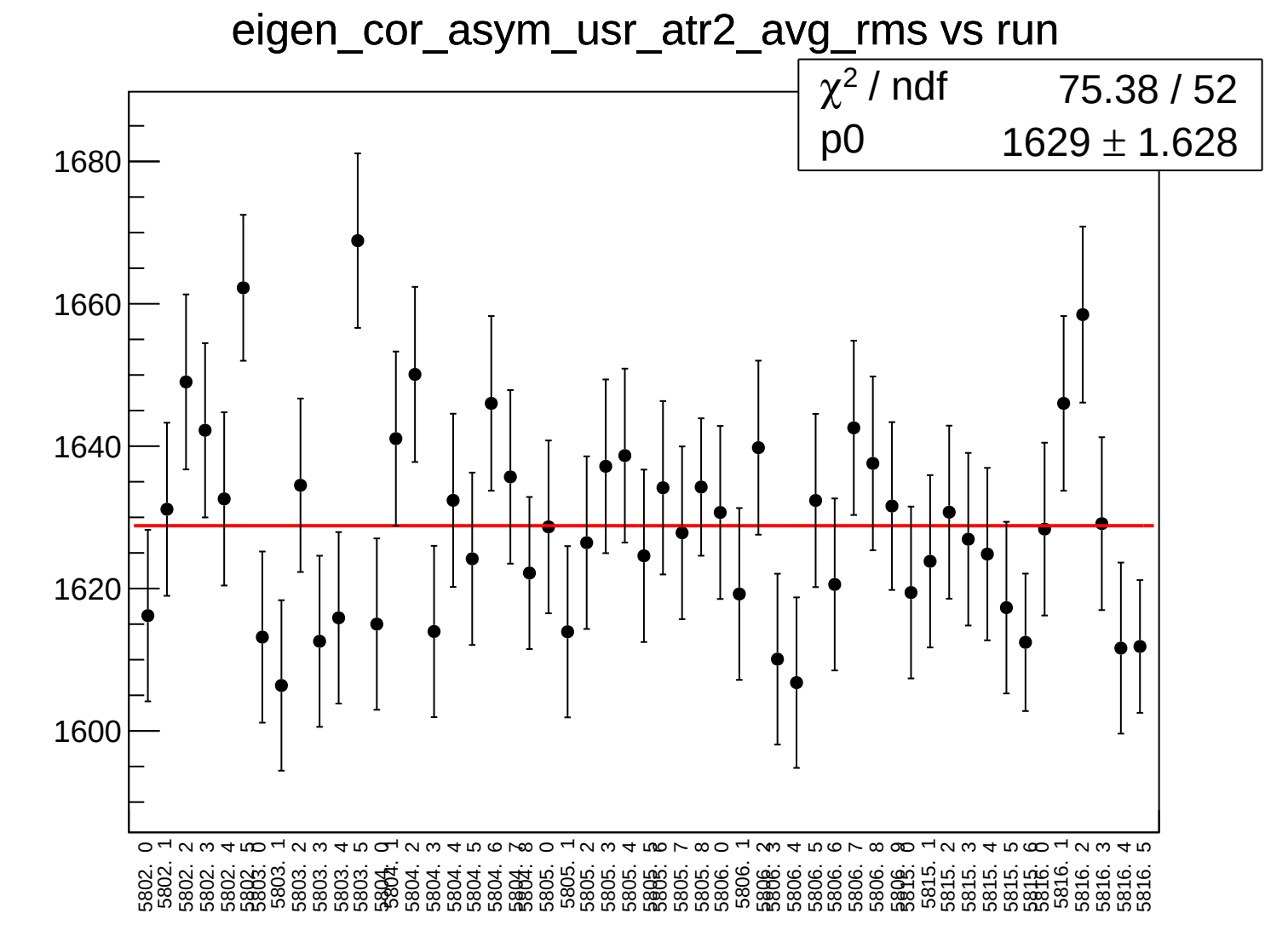

asym_usr_atr2_avg_cor_correction_mean vs run
χ² / ndf 66.64 / 52
p0 −3993 ± 7549
×10³
pull
Entries 53
Mean −55.36
Std Dev 0

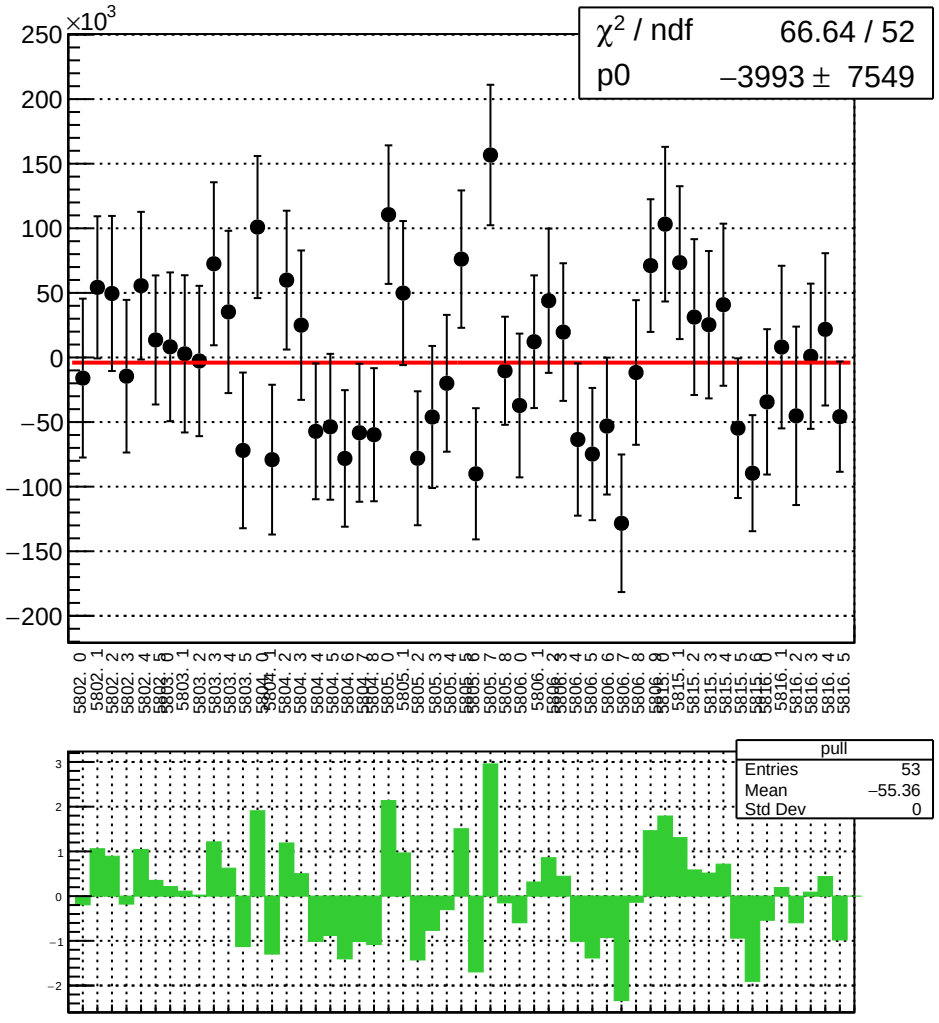

pull1D
Entries 53
Mean 0.02885
Std Dev 1.121

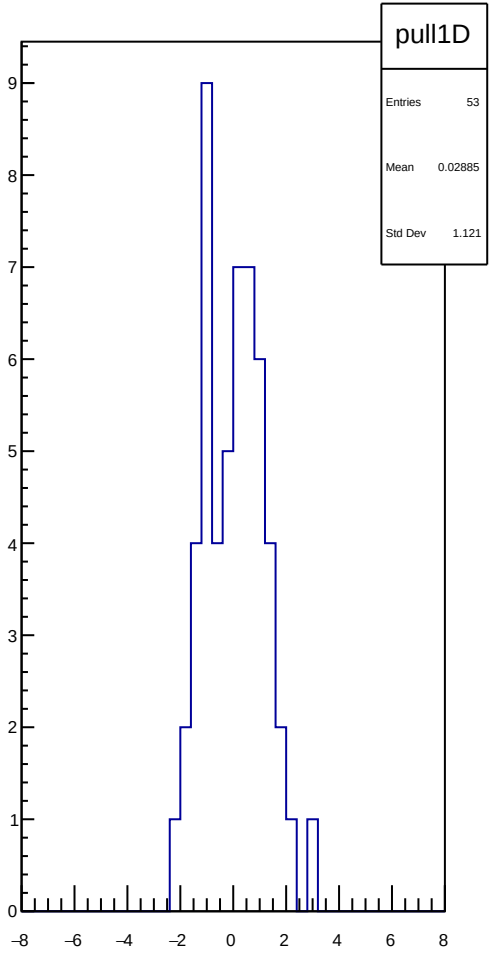

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 3954 / 52
p0 5331 ± 5.338
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

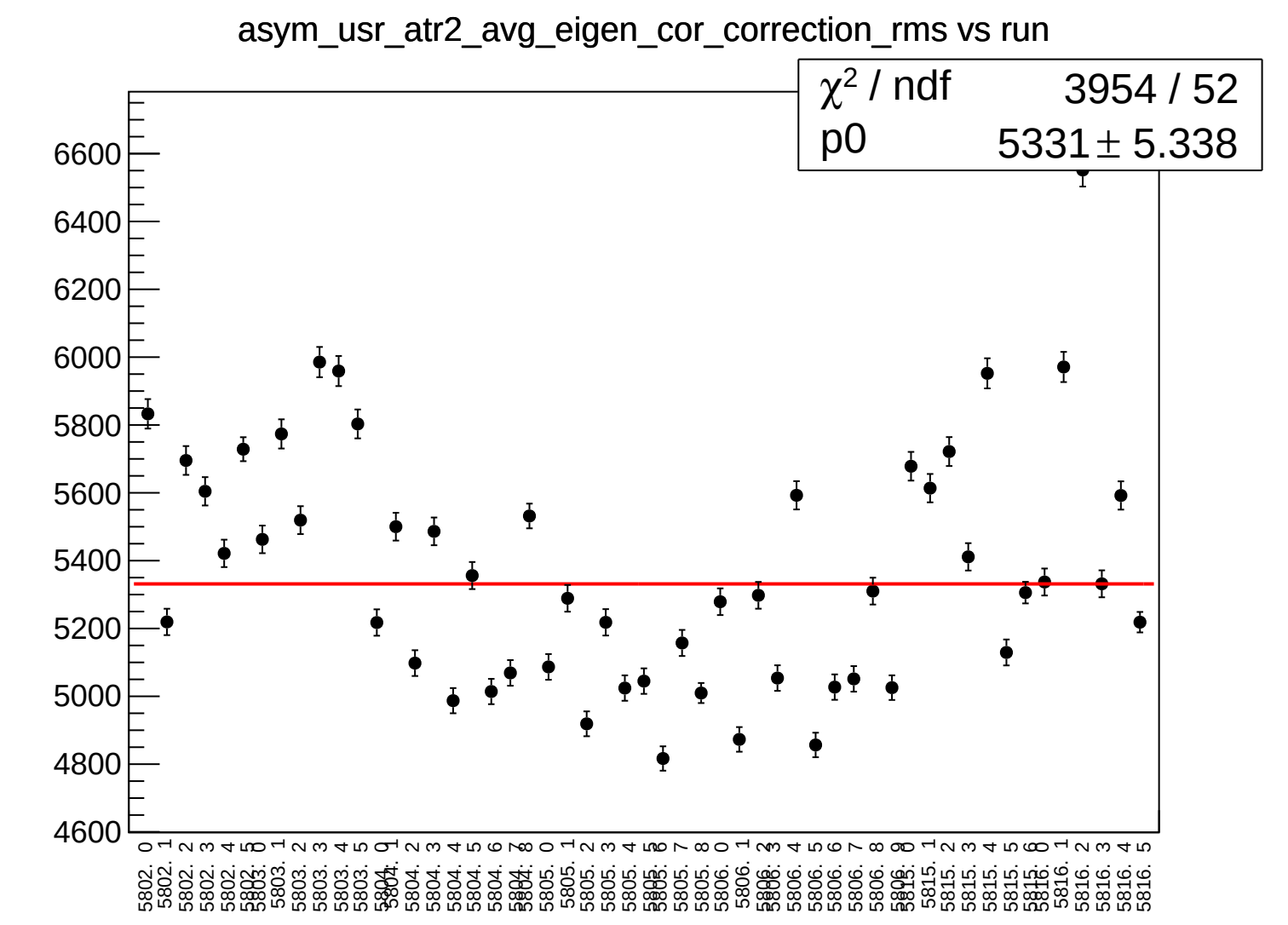

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.52 / 52
p0 3869 ± 2302
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −39.06
Std Dev 30.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

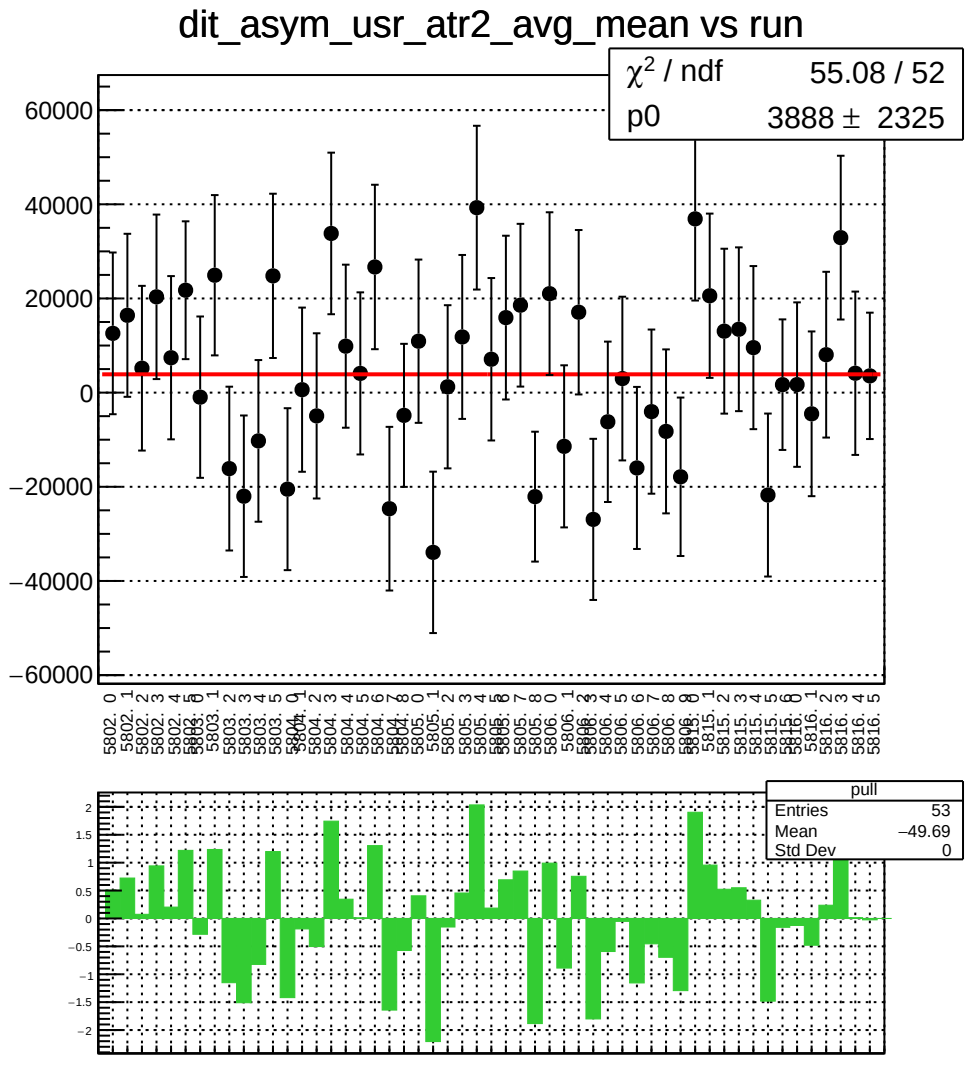

pull1D
Entries 53
Mean 0.0082
Std Dev 0.9955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

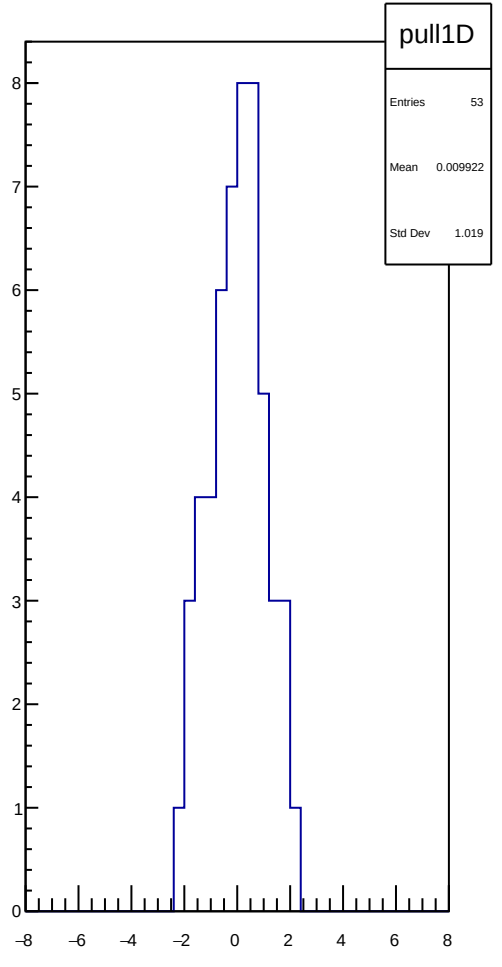

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 75.38 / 52
p0 1629 ± 1.628
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

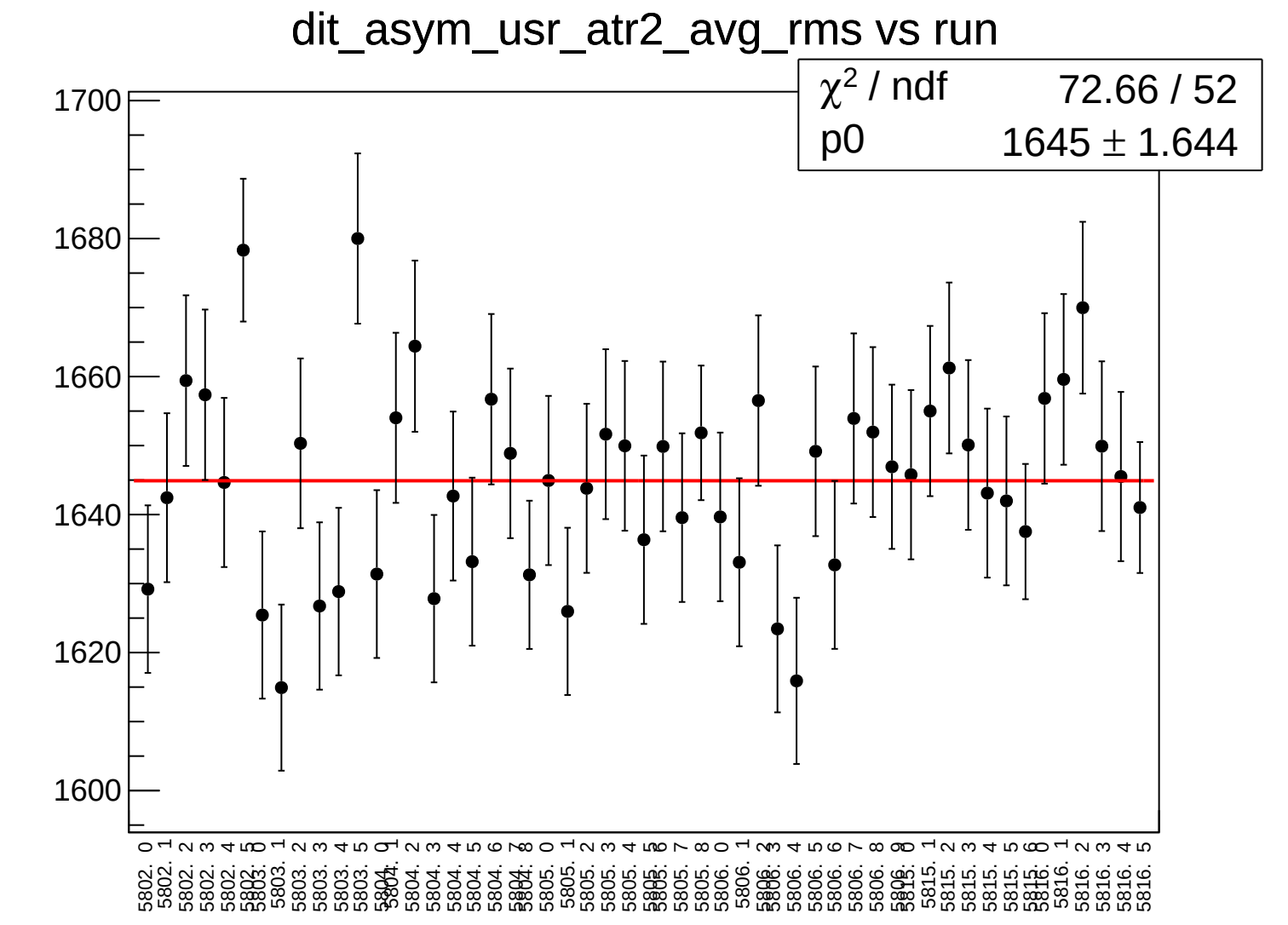

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.64 / 52
p0 −3993 ± 7549
×10³
pull
Entries 53
Mean −55.36
Std Dev 0

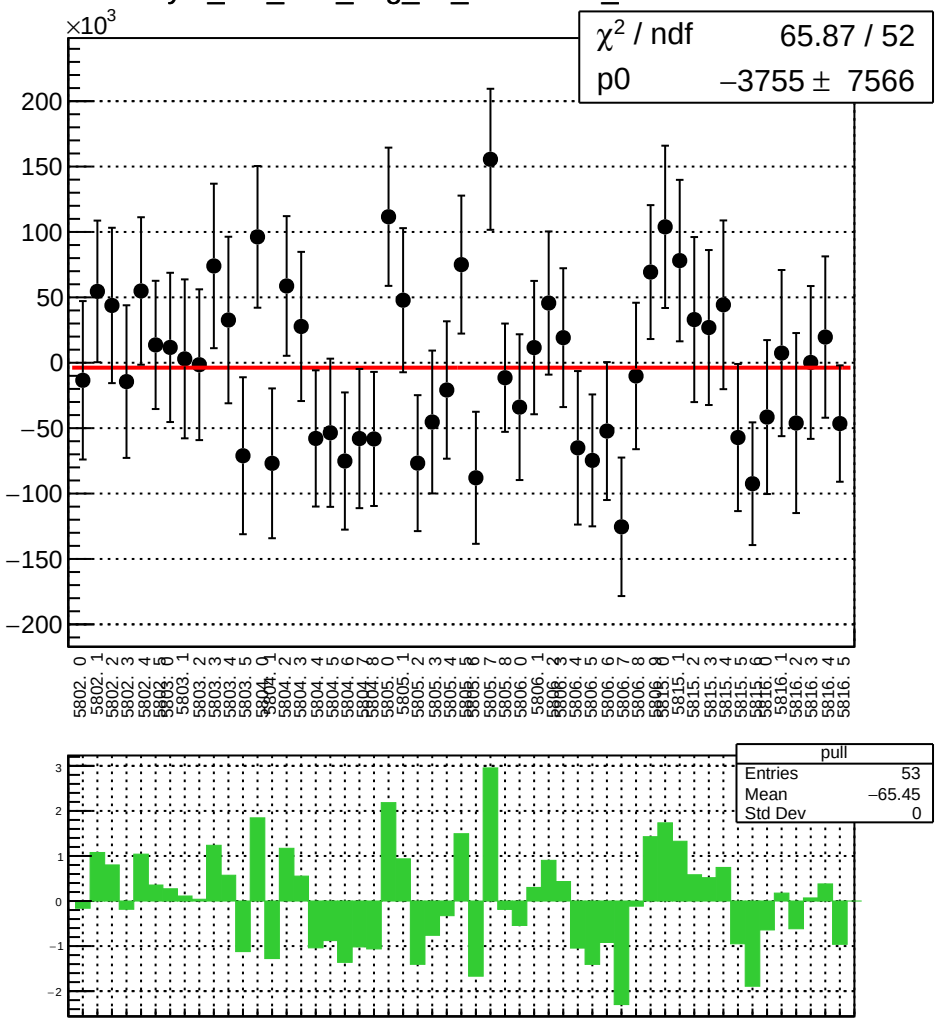

pull1D
Entries 53
Mean 0.02885
Std Dev 1.121

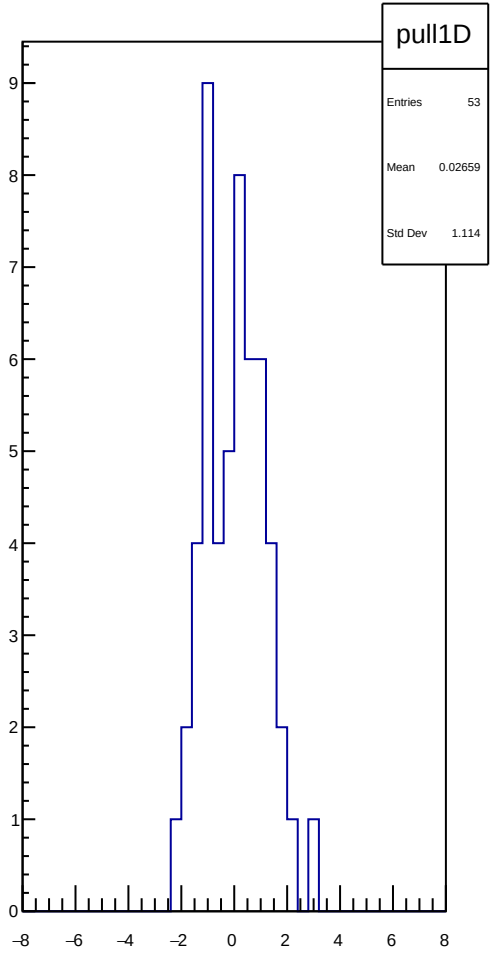

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3954 / 52
p0 5331 ± 5.338
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

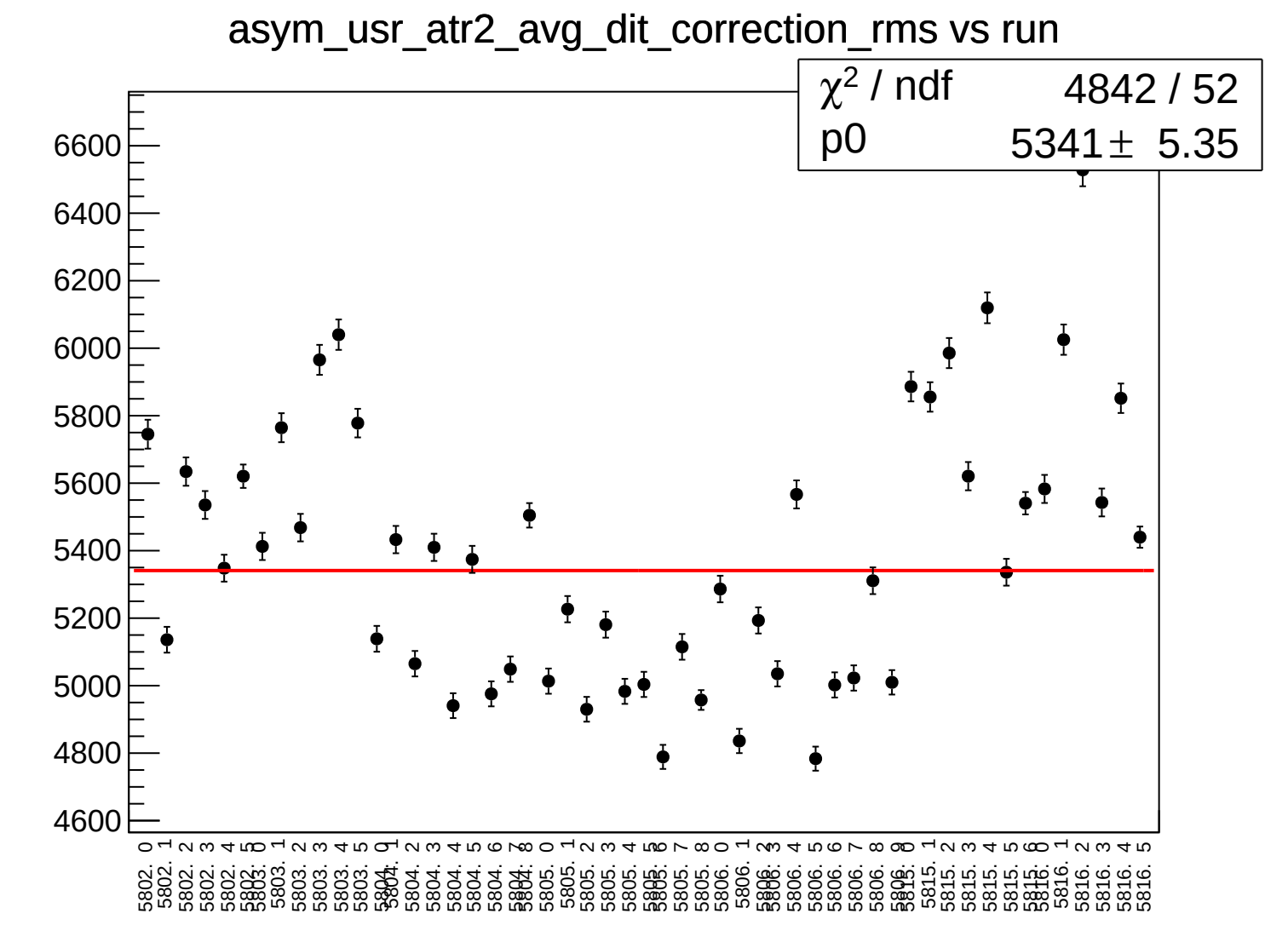

dit_asym_usr_atr2_avg_mean vs run
χ^2 / ndf 55.08 / 52
p0 3888 ± 2325
pull
Entries 53
Mean −49.69
Std Dev 0

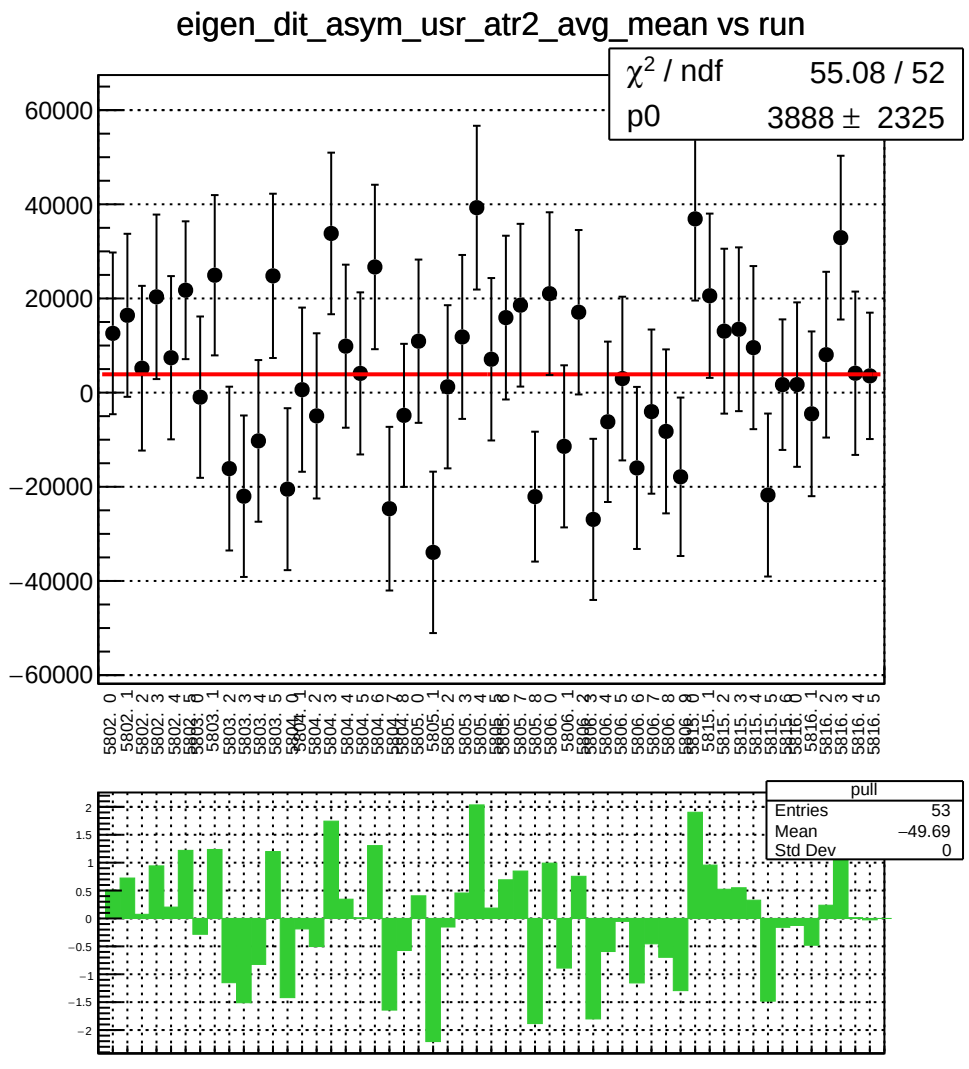

pull1D
Entries 53
Mean 0.009922
Std Dev 1.019

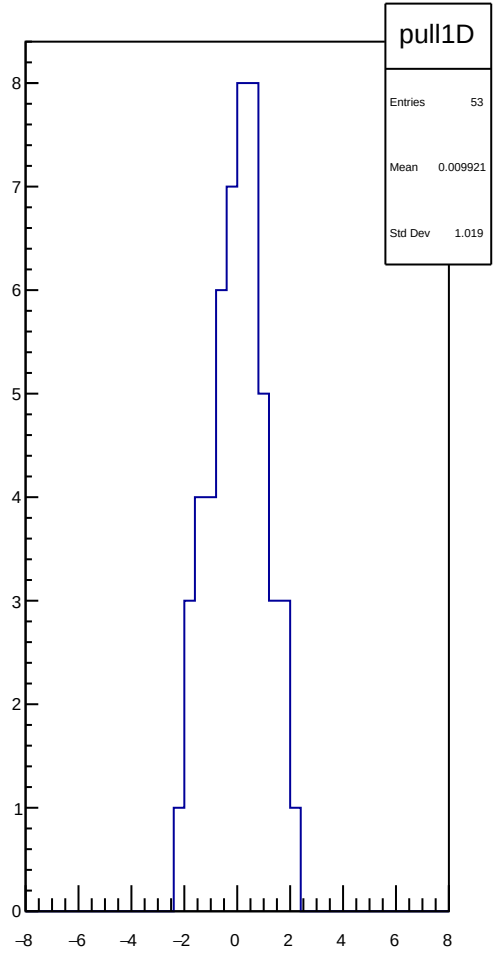

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 72.66 / 52
p0 1645 ± 1.644
1700
1680
1660
1640
1620
1600

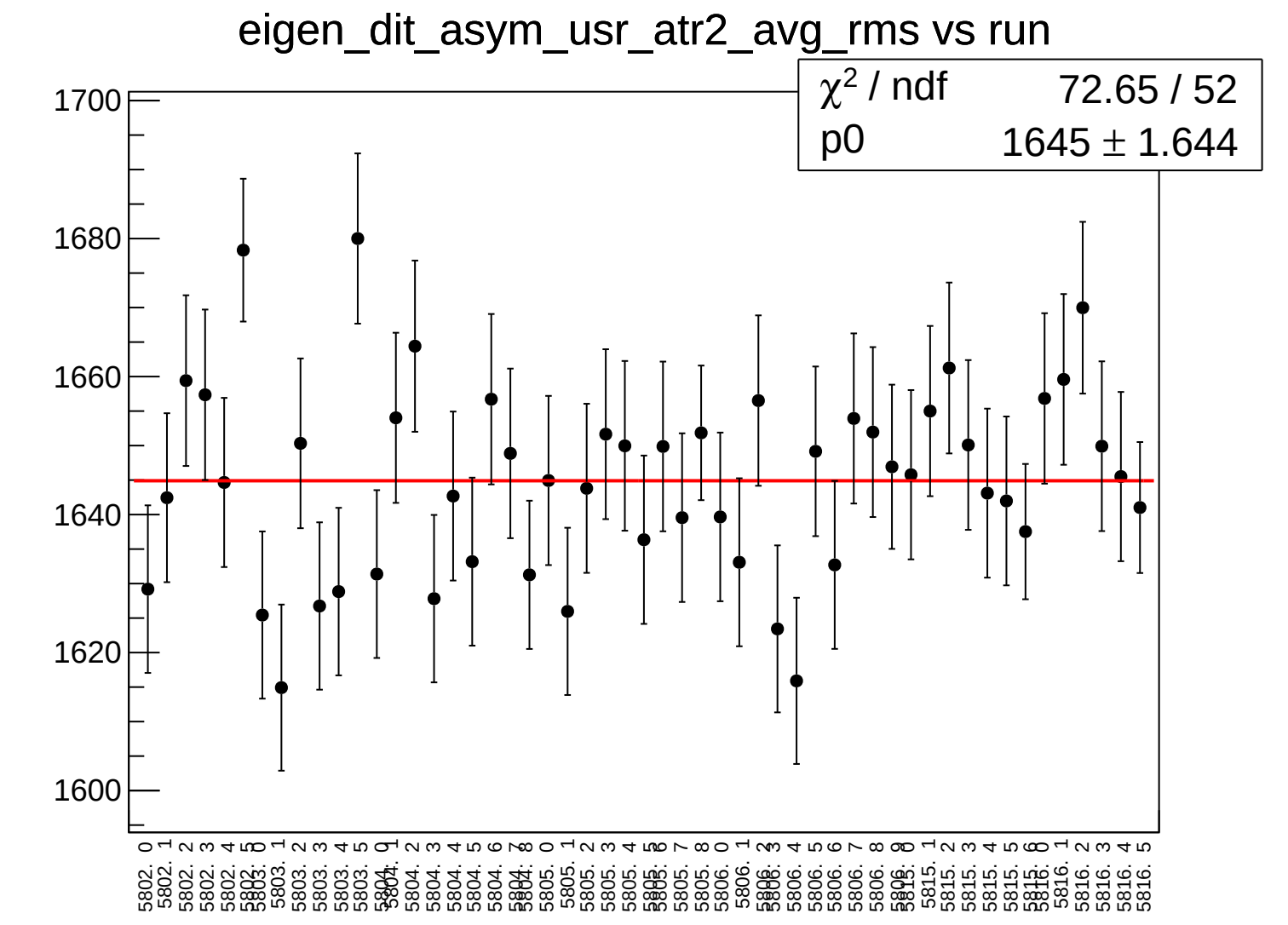

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 65.87 / 52
p0 −3755 ± 7566
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −65.45
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02659
Std Dev 1.114
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 4842 / 52
p0 5341 ± 5.35
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600


eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 55.08 / 52
p0 3888 ± 2325
pull
Entries 53
Mean −49.69
Std Dev 0


pull1D
Entries 53
Mean 0.009921
Std Dev 1.019


eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 72.65 / 52
p0 1645 ± 1.644
1700
1680
1660
1640
1620
1600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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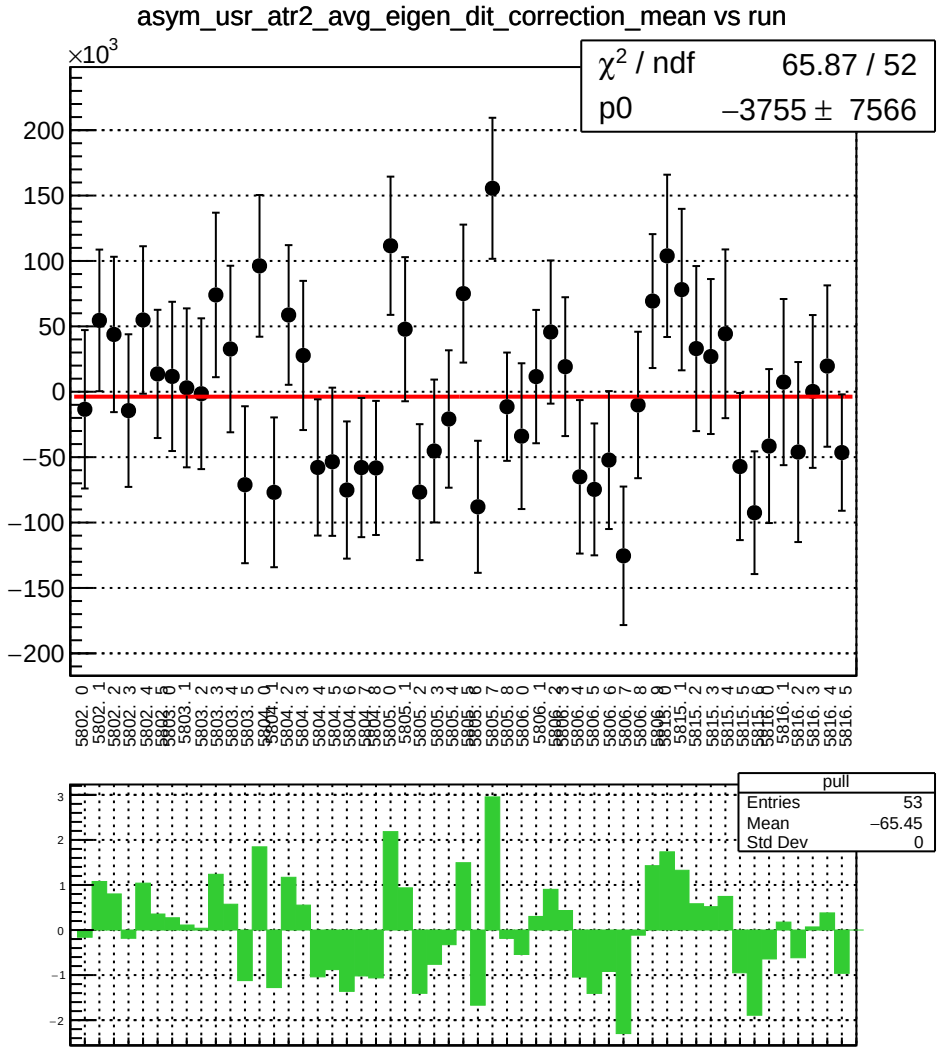
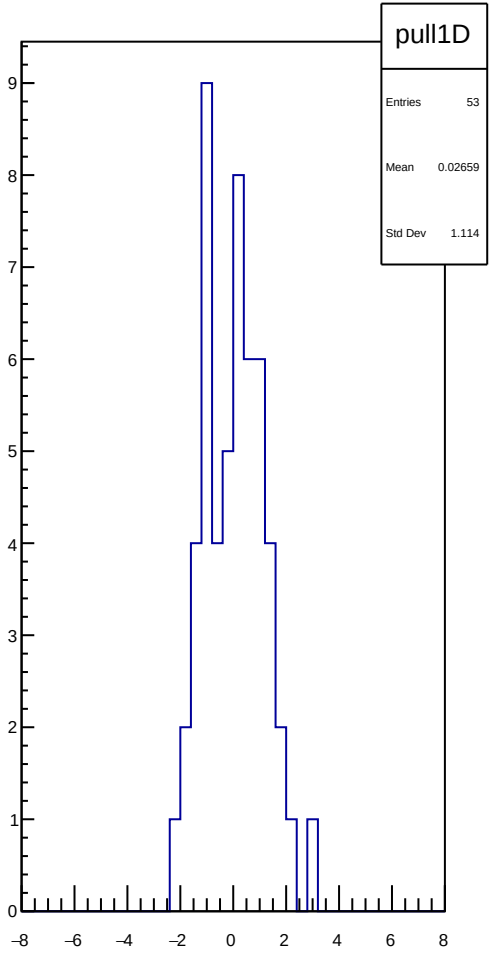
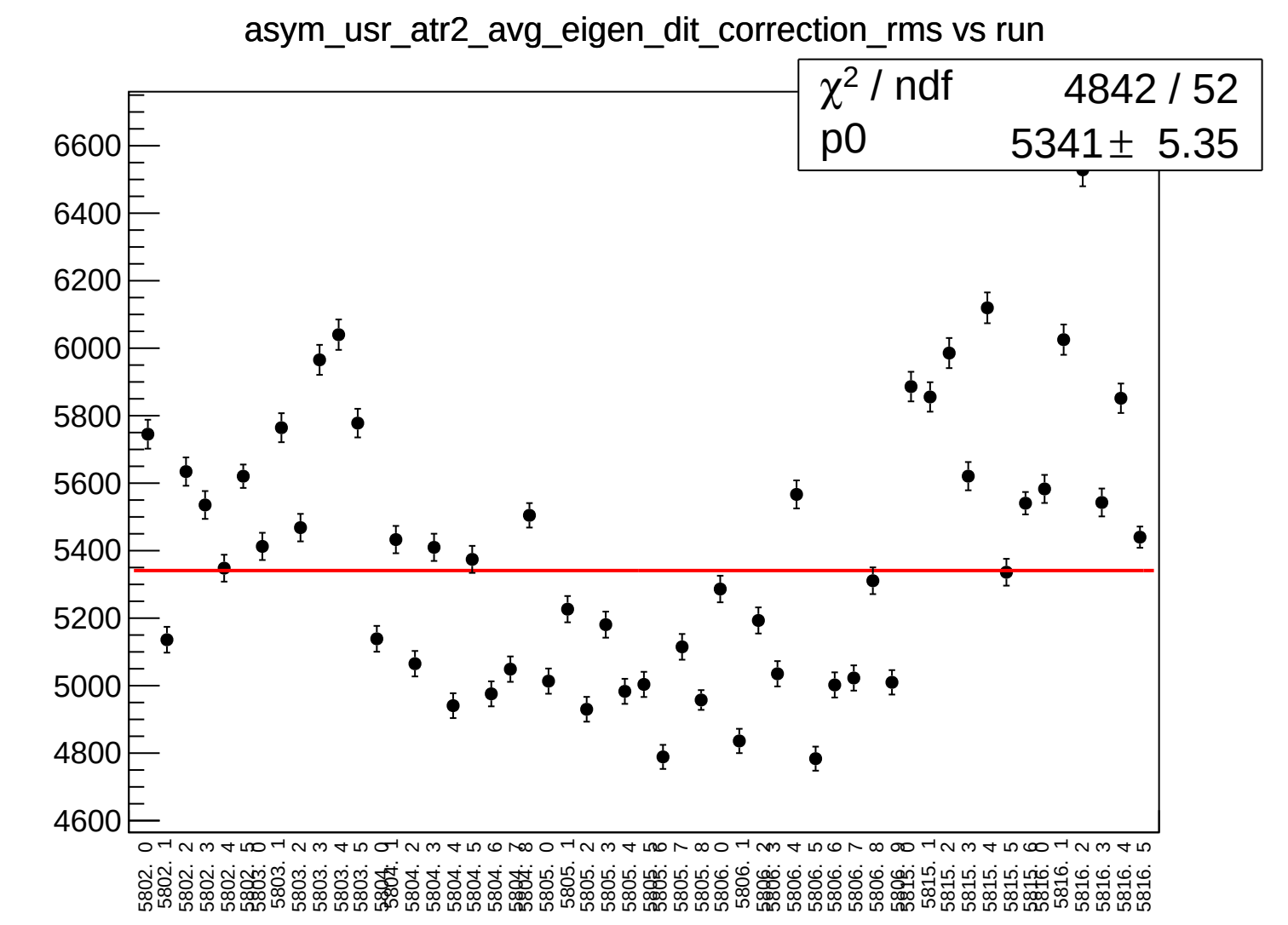
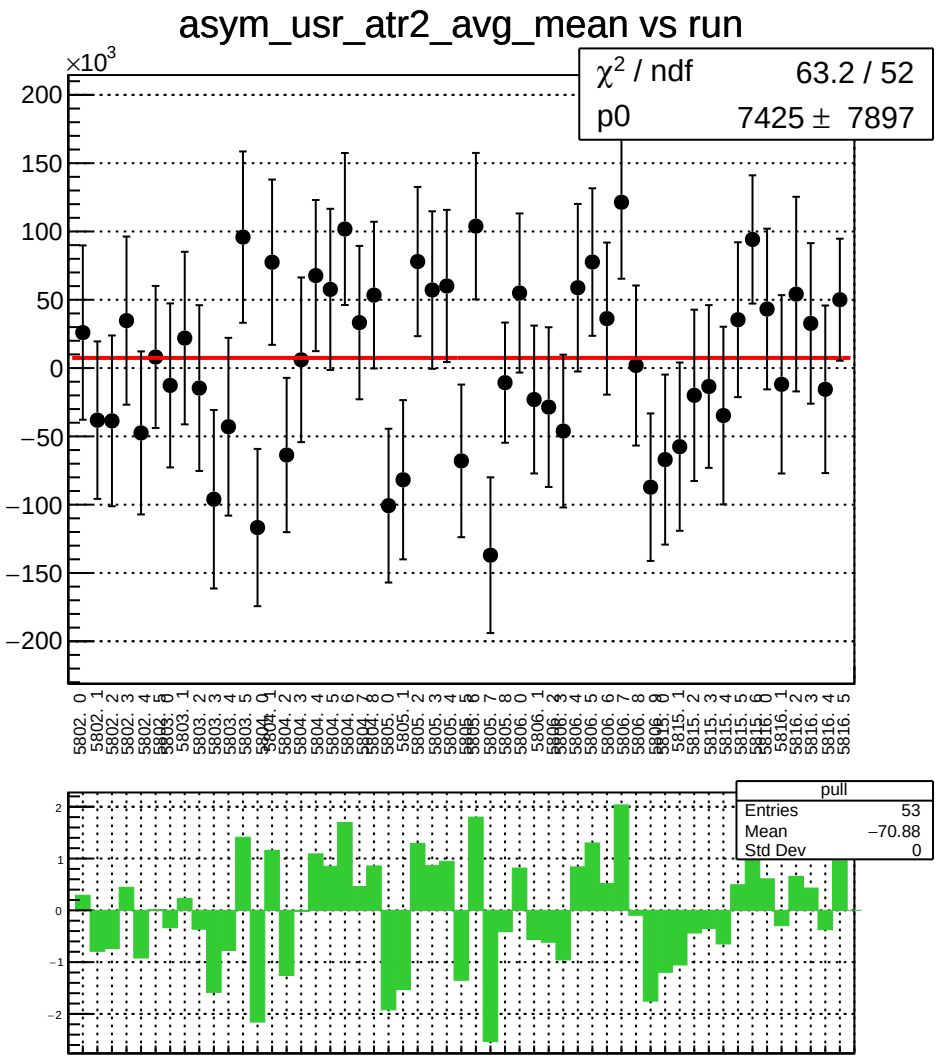
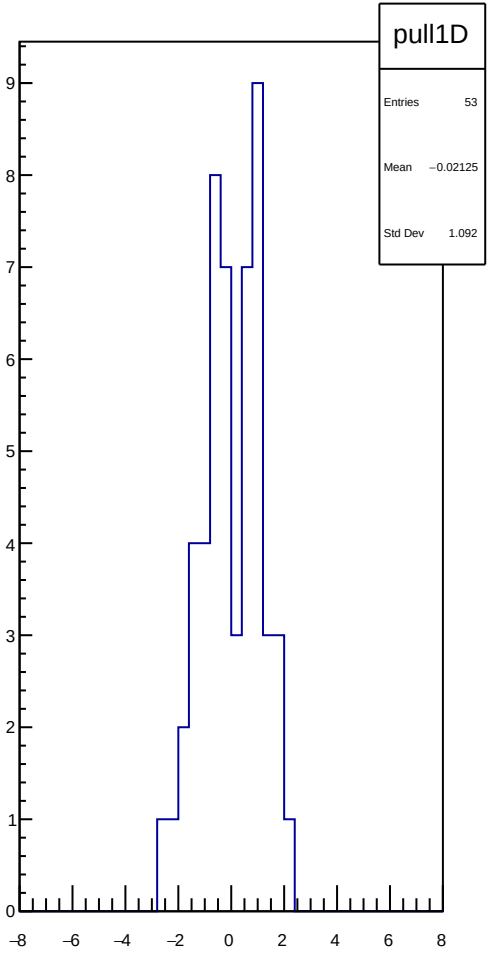
5816. 4
5816. 5

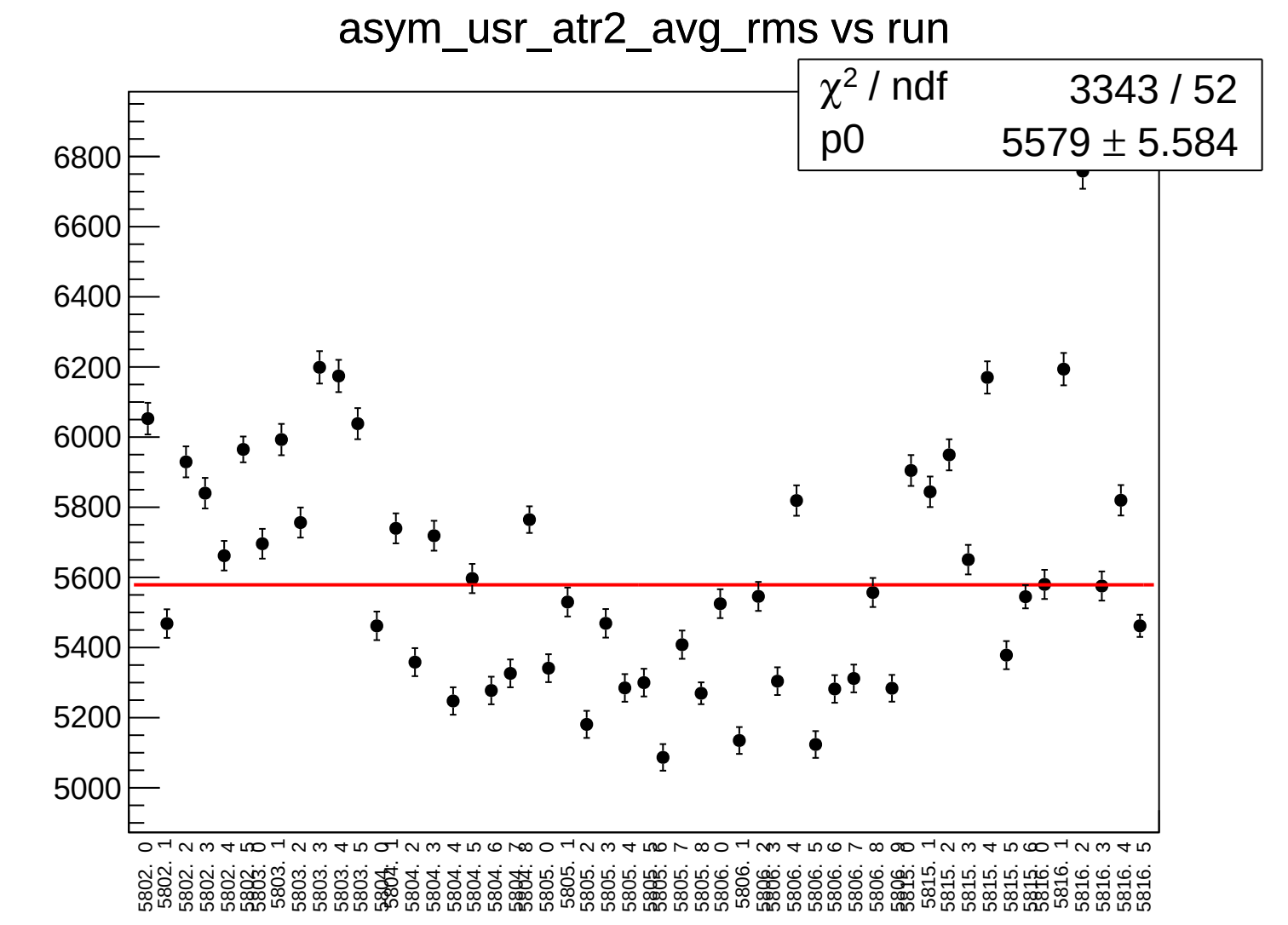

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.87 / 52
p0 −3755 ± 7566
pull
Entries 53
Mean −65.45
Std Dev 0

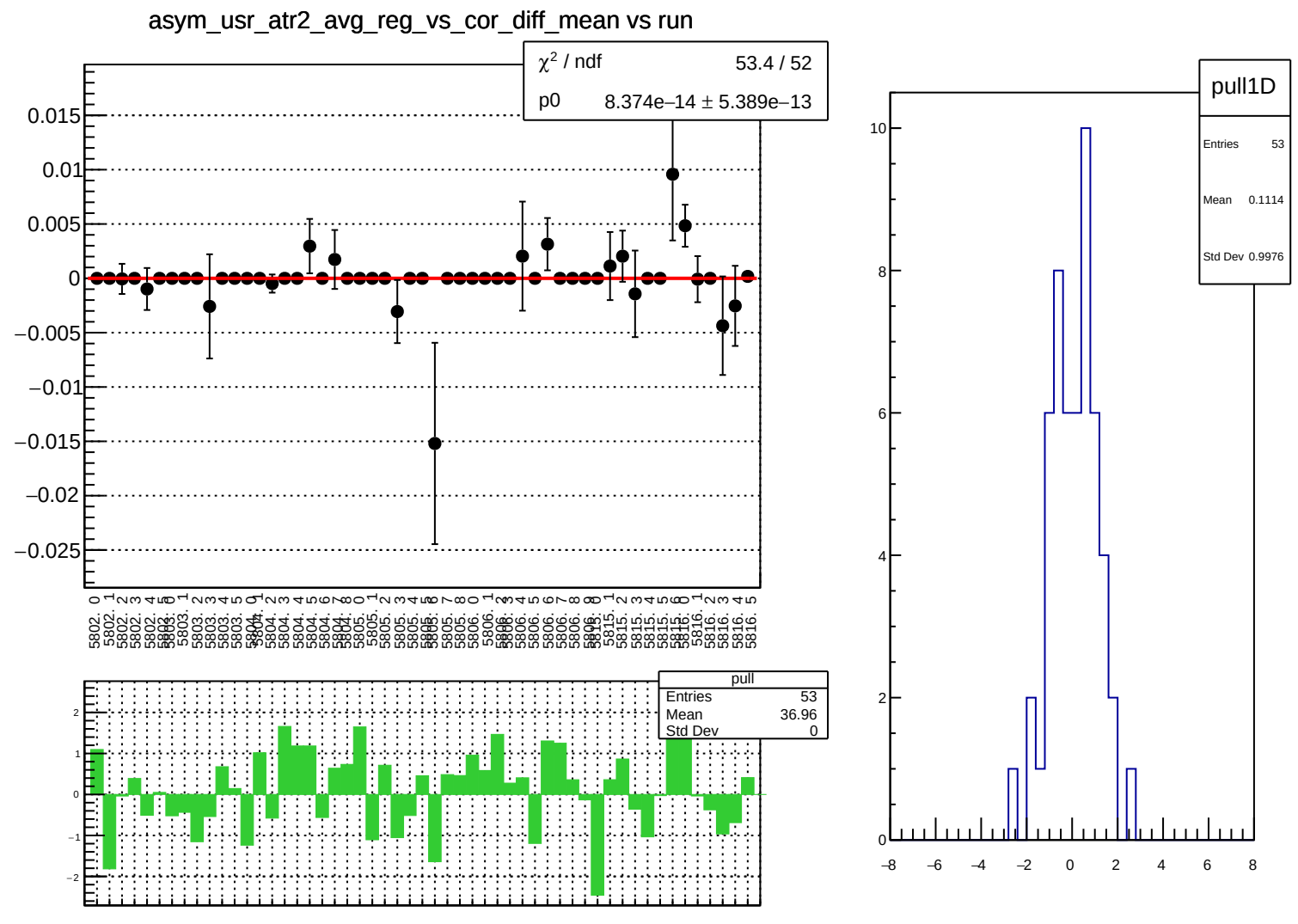

pull1D
Entries 53
Mean 0.02659
Std Dev 1.114

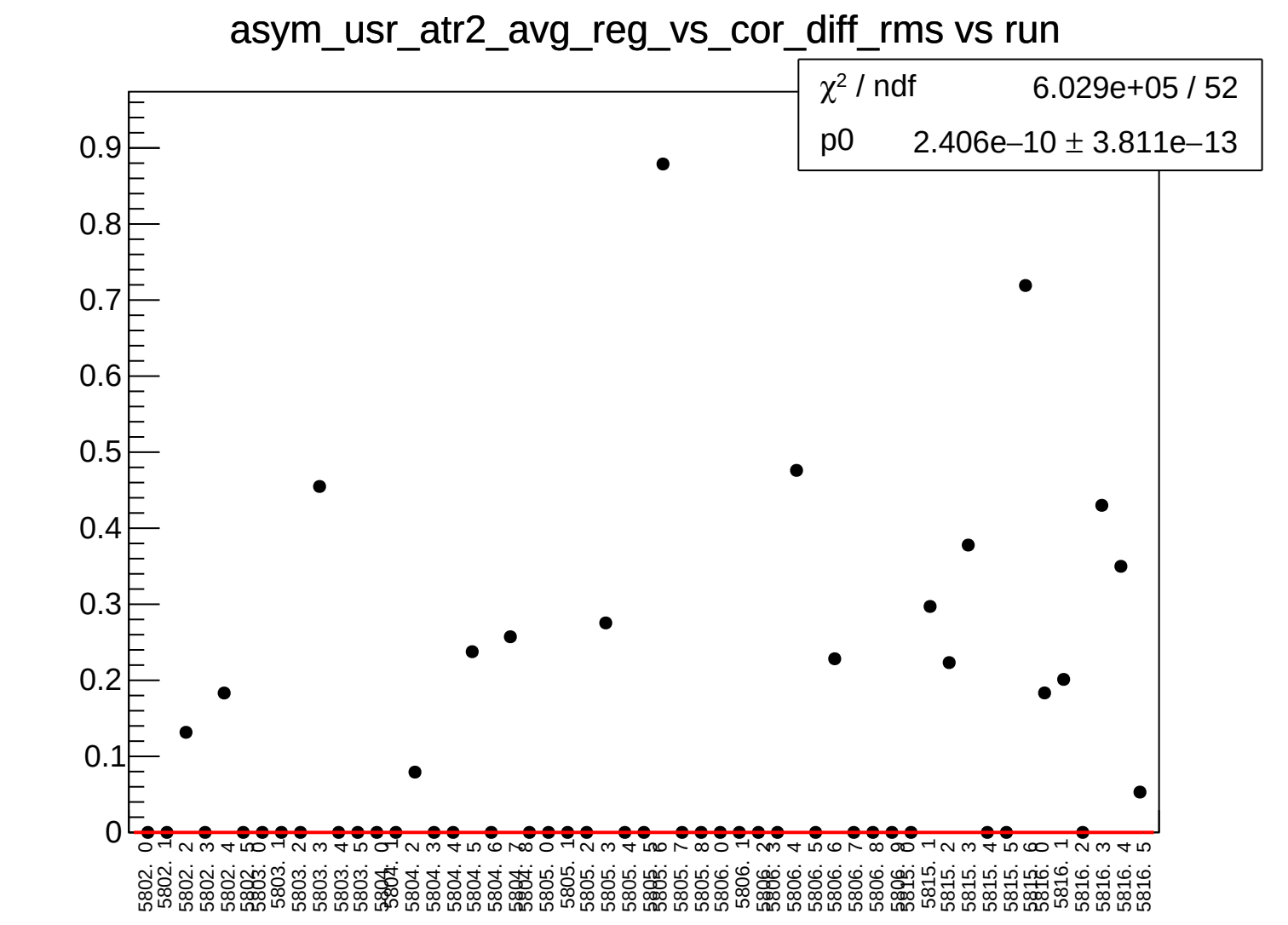

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4842 / 52
p0 5341 ± 5.35
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

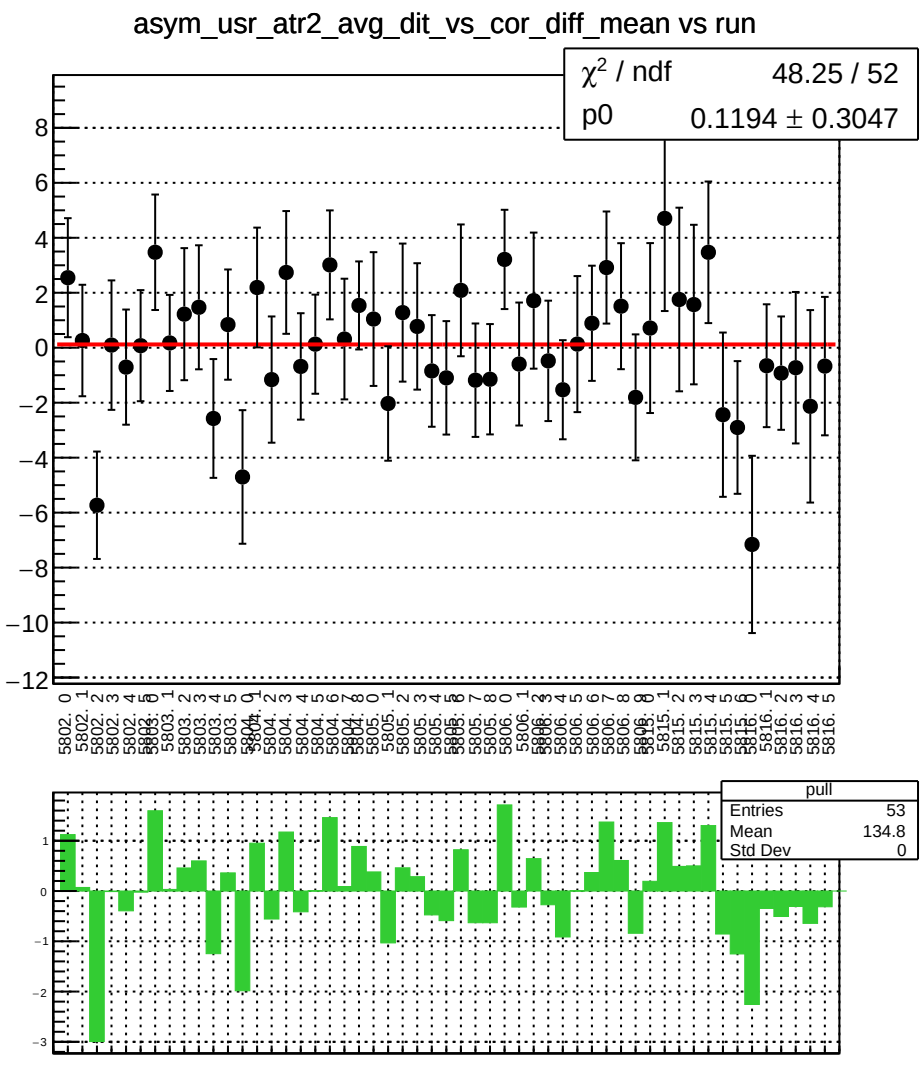

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 63.2 / 52
p0 7425 ± 7897
pull
Entries 53
Mean −70.88
Std Dev 0

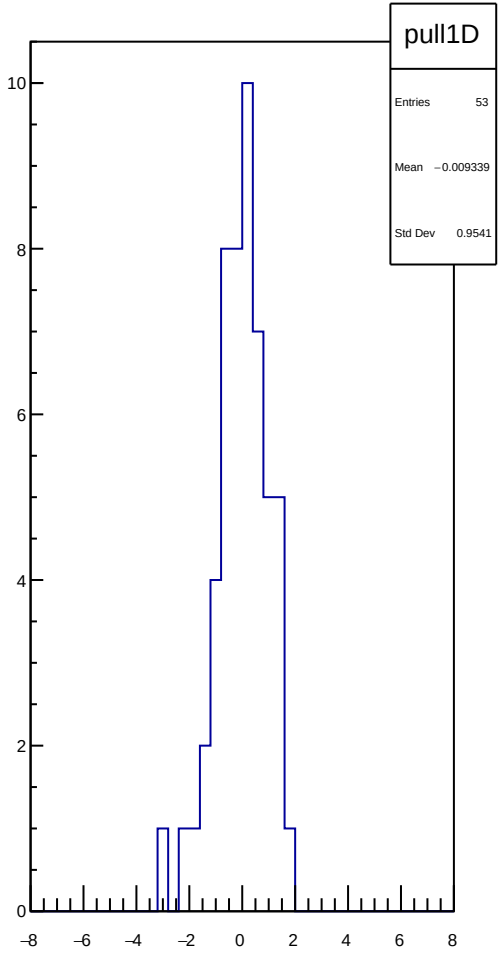

pull1D
Entries 53
Mean −0.02125
Std Dev 1.092

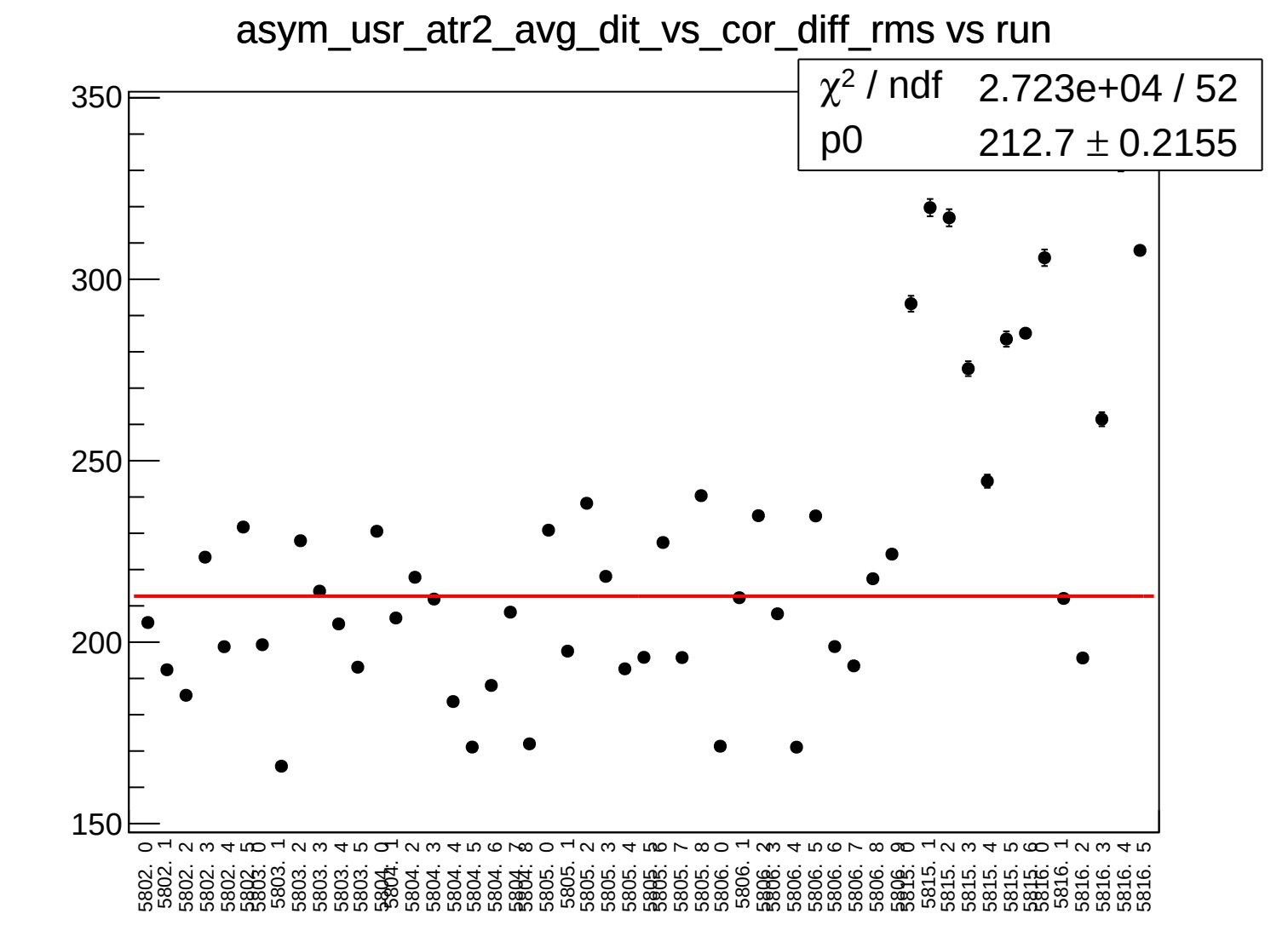

asym_usr_atr2_avg_rms vs run
χ² / ndf 3343 / 52
p0 5579 ± 5.584
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

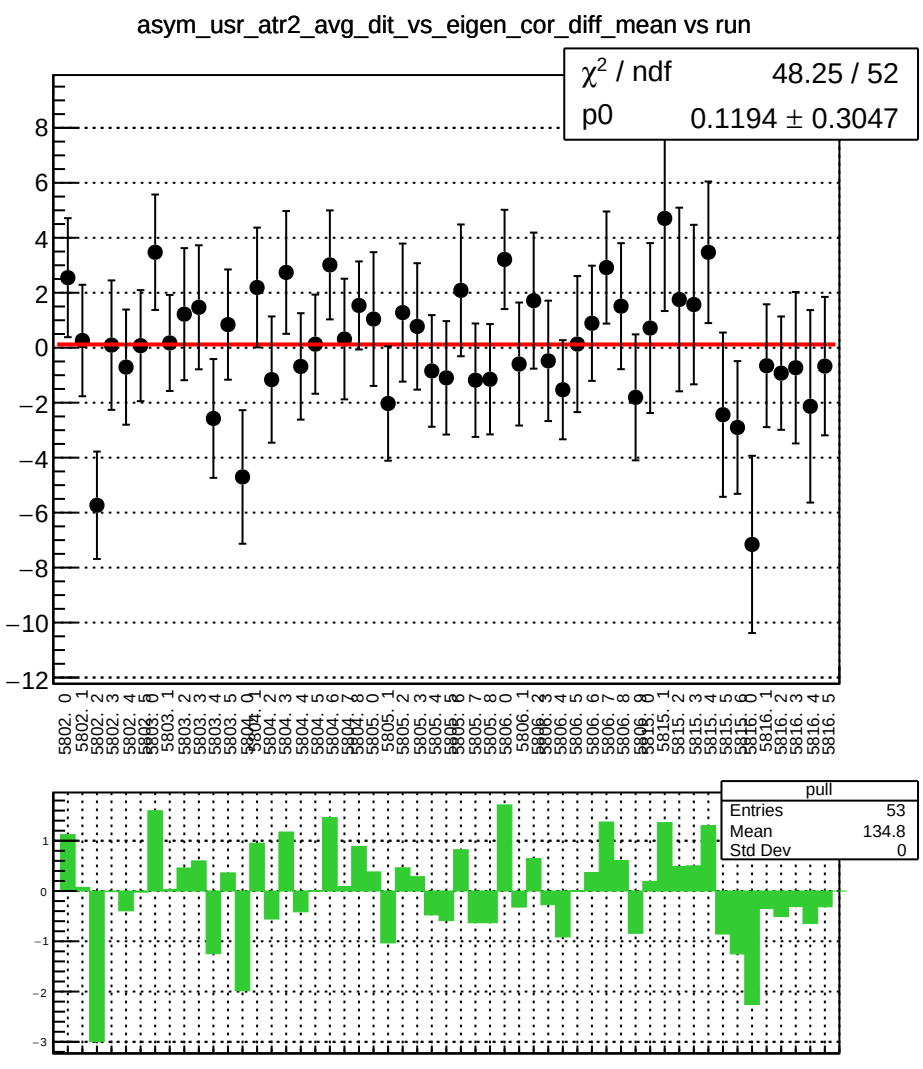

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.4 / 52
p0 8.374e−14 ± 5.389e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 53
Mean 36.96
Std Dev 0
pull1D
Entries 53
Mean 0.1114
Std Dev 0.9976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

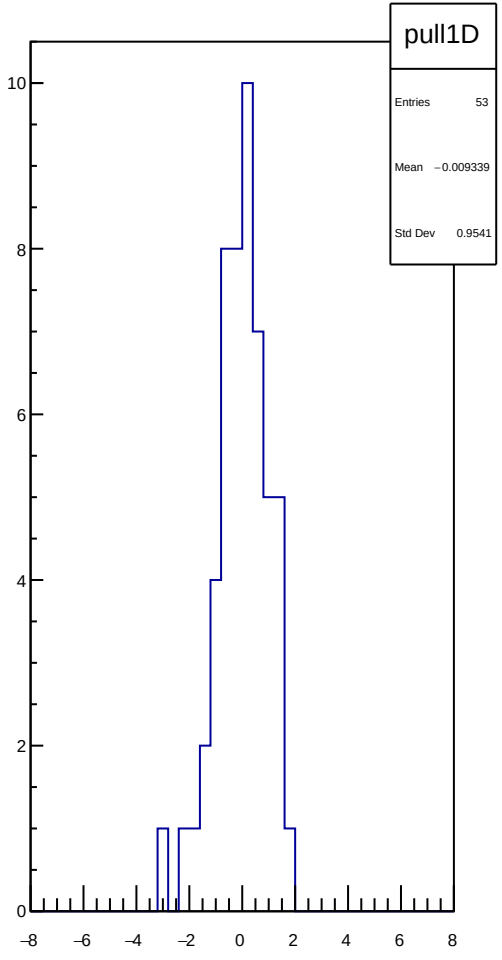

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.029e+05 / 52
p0 2.406e−10 ± 3.811e−13
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9

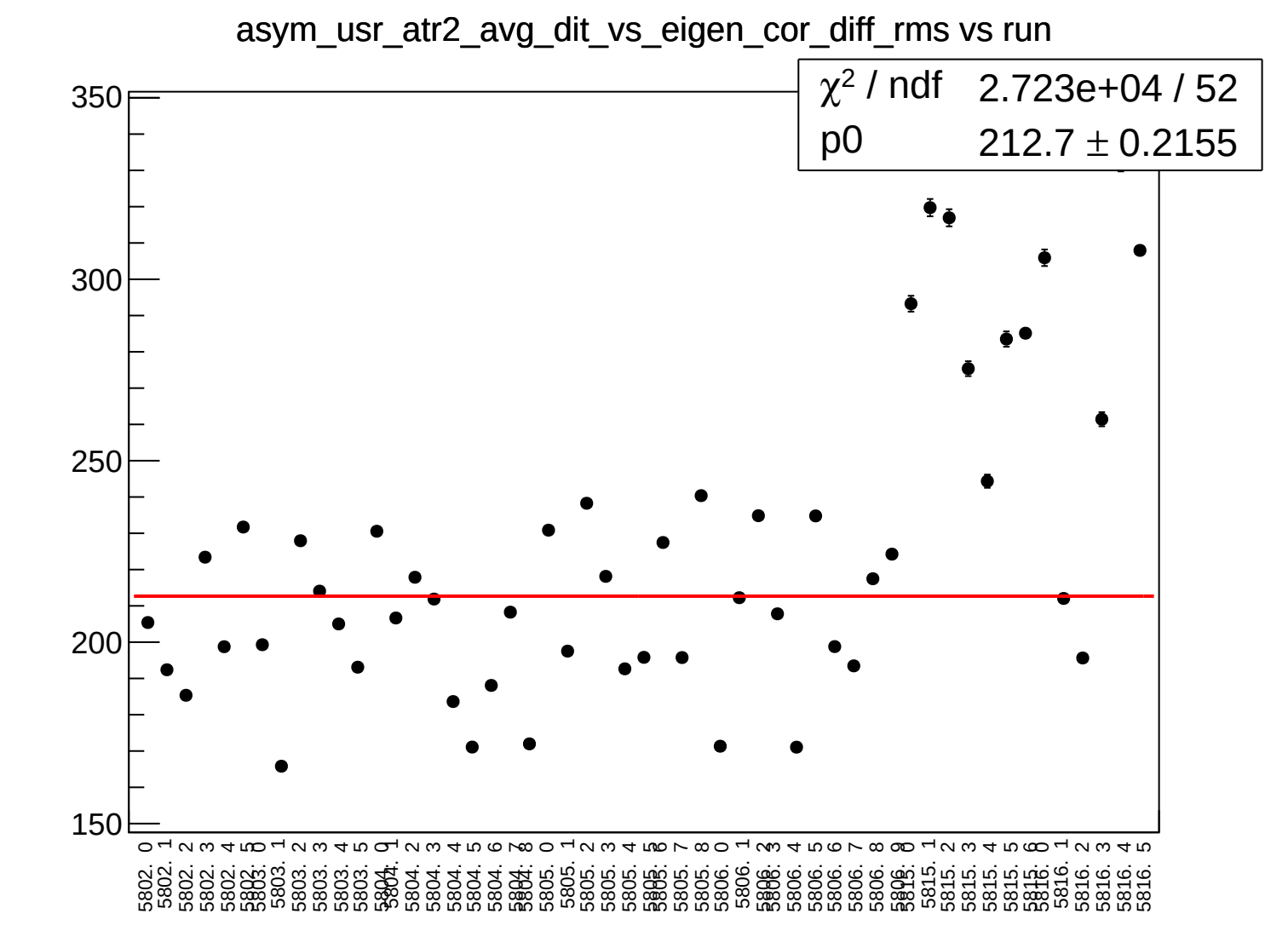

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.25 / 52
p0 0.1194 ± 0.3047
pull
Entries 53
Mean 134.8
Std Dev 0

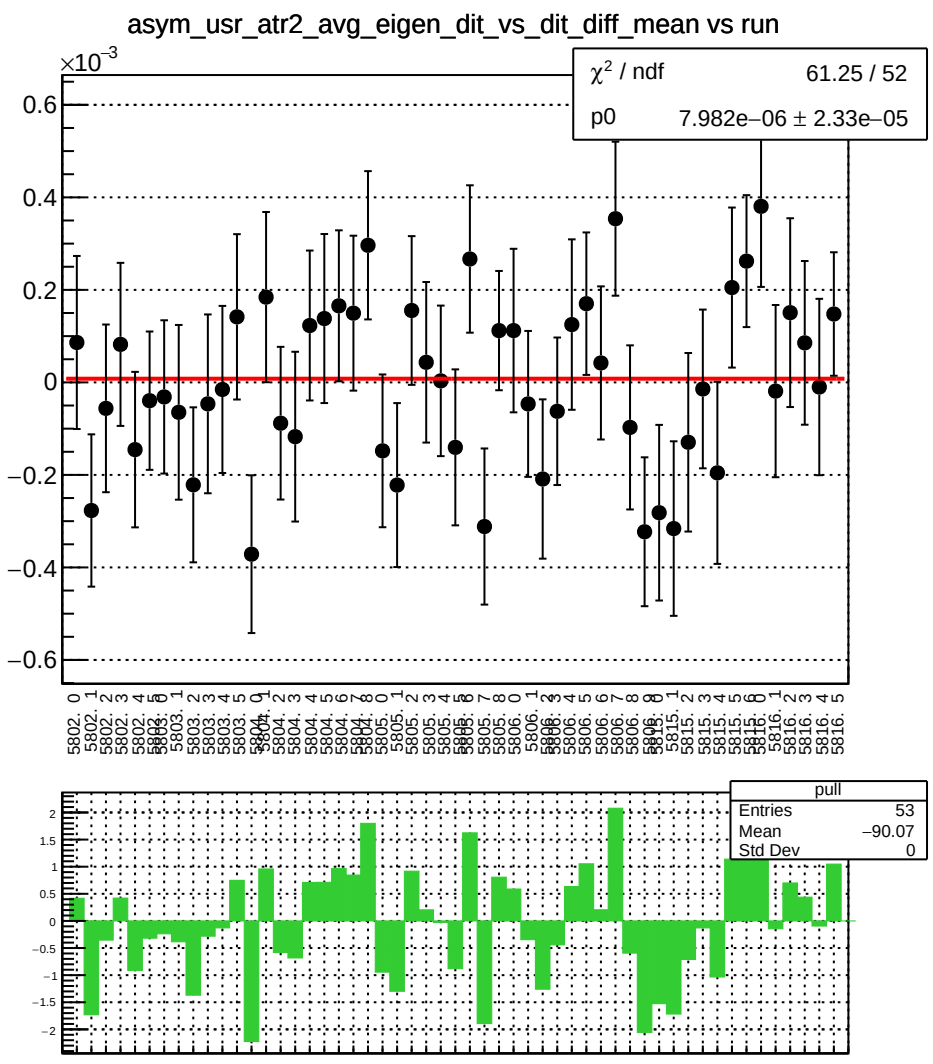

pull1D
Entries 53
Mean −0.009339
Std Dev 0.9541

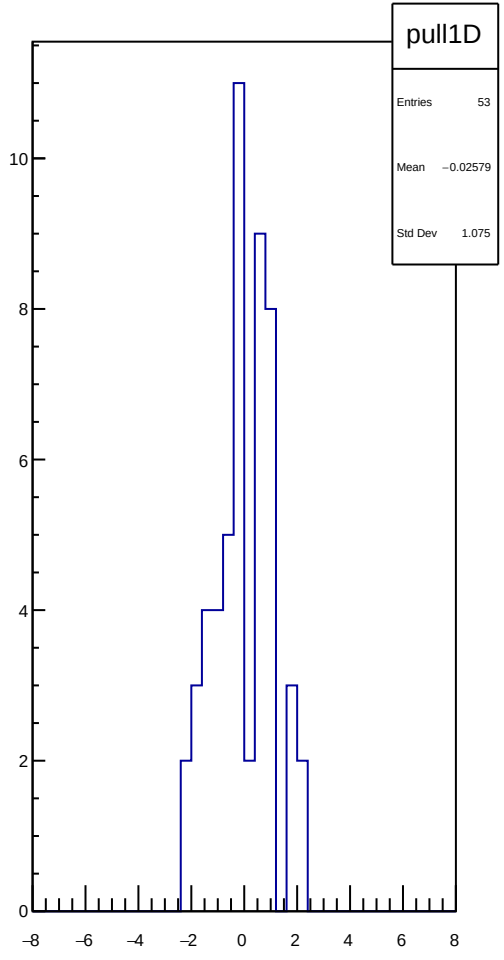

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 52
p0 212.7 ± 0.2155
350
300
250
200
150

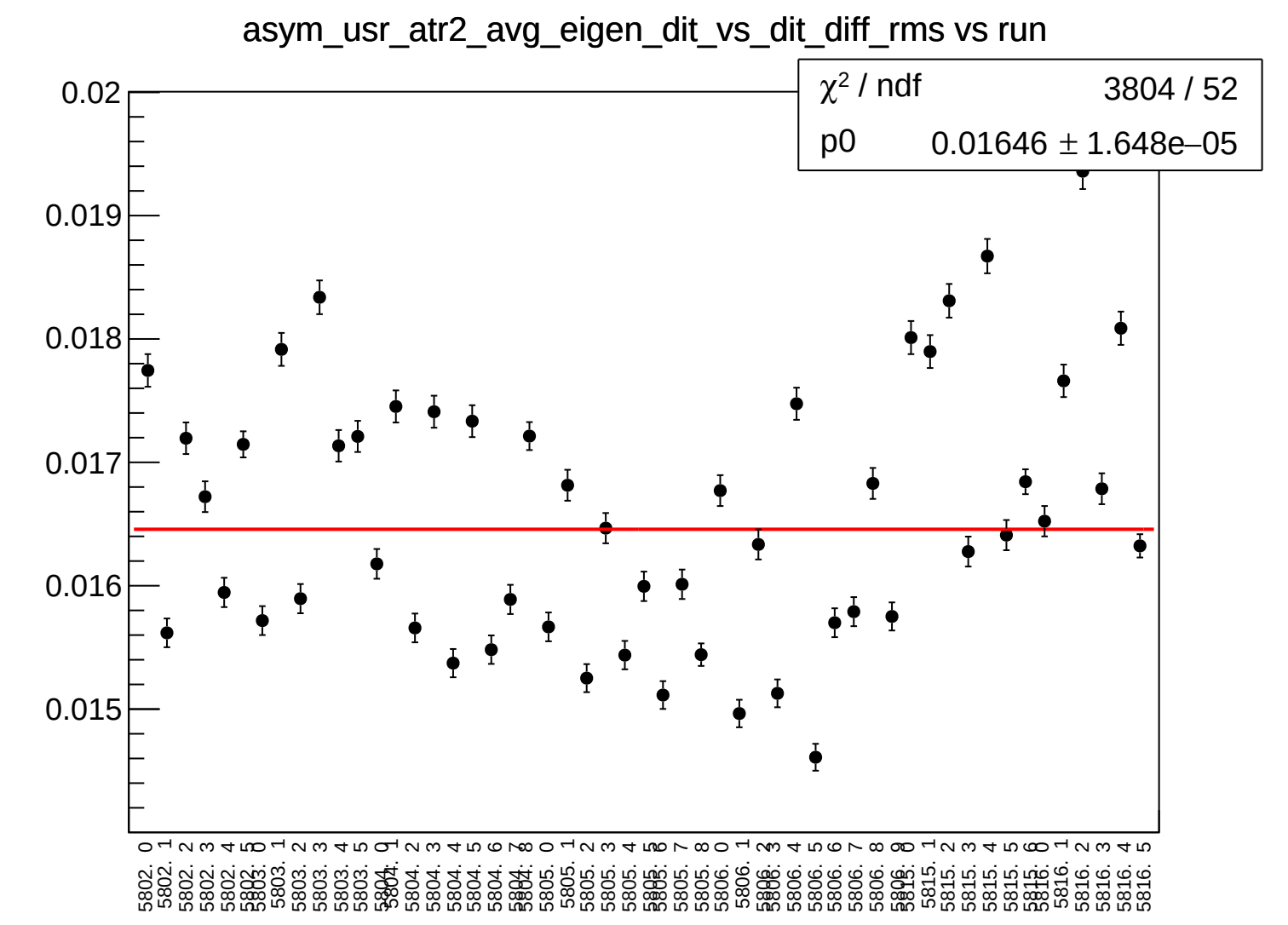

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.25 / 52
p0 0.1194 ± 0.3047
pull
Entries 53
Mean 134.8
Std Dev 0

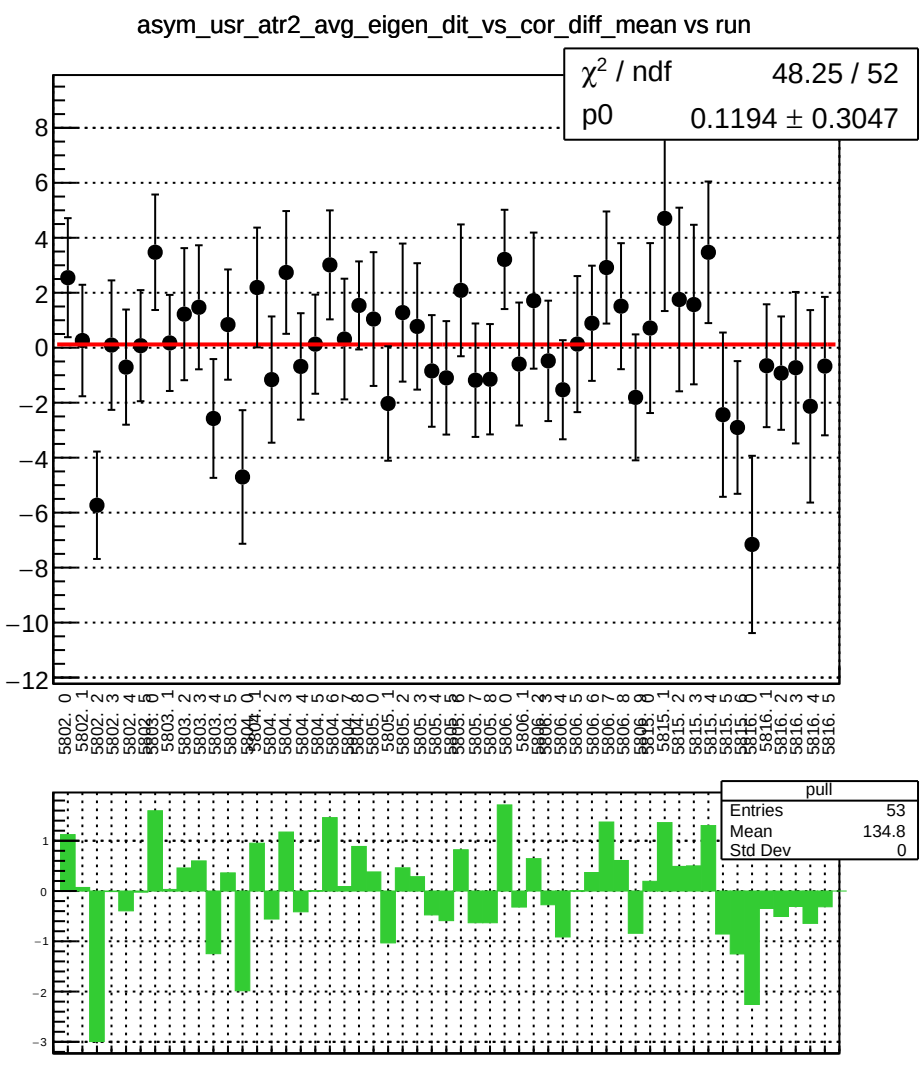

pull1D
Entries 53
Mean −0.009339
Std Dev 0.9541

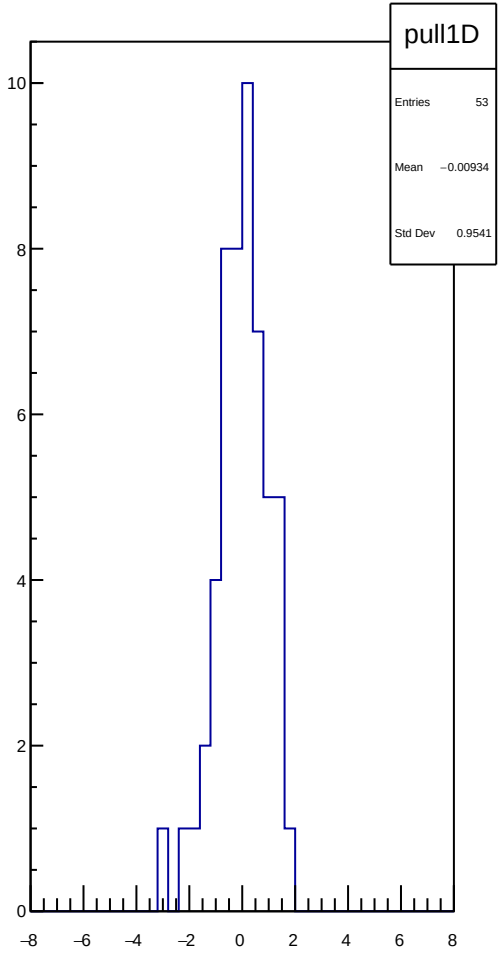

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 52
p0 212.7 ± 0.2155
350
300
250
200
150

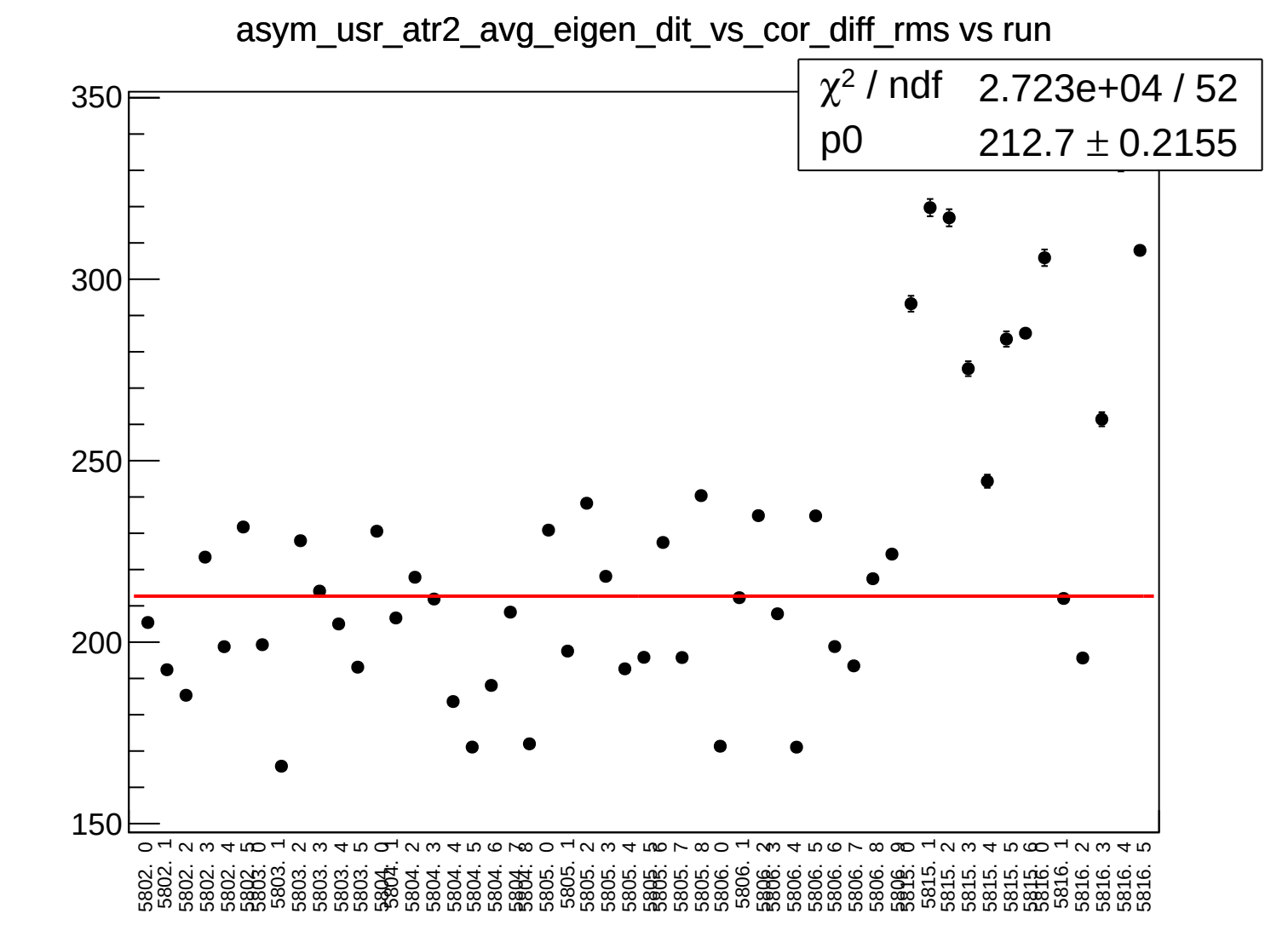

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.25 / 52
p0 7.982e−06 ± 2.33e−05
pull
Entries 53
Mean −90.07
Std Dev 0

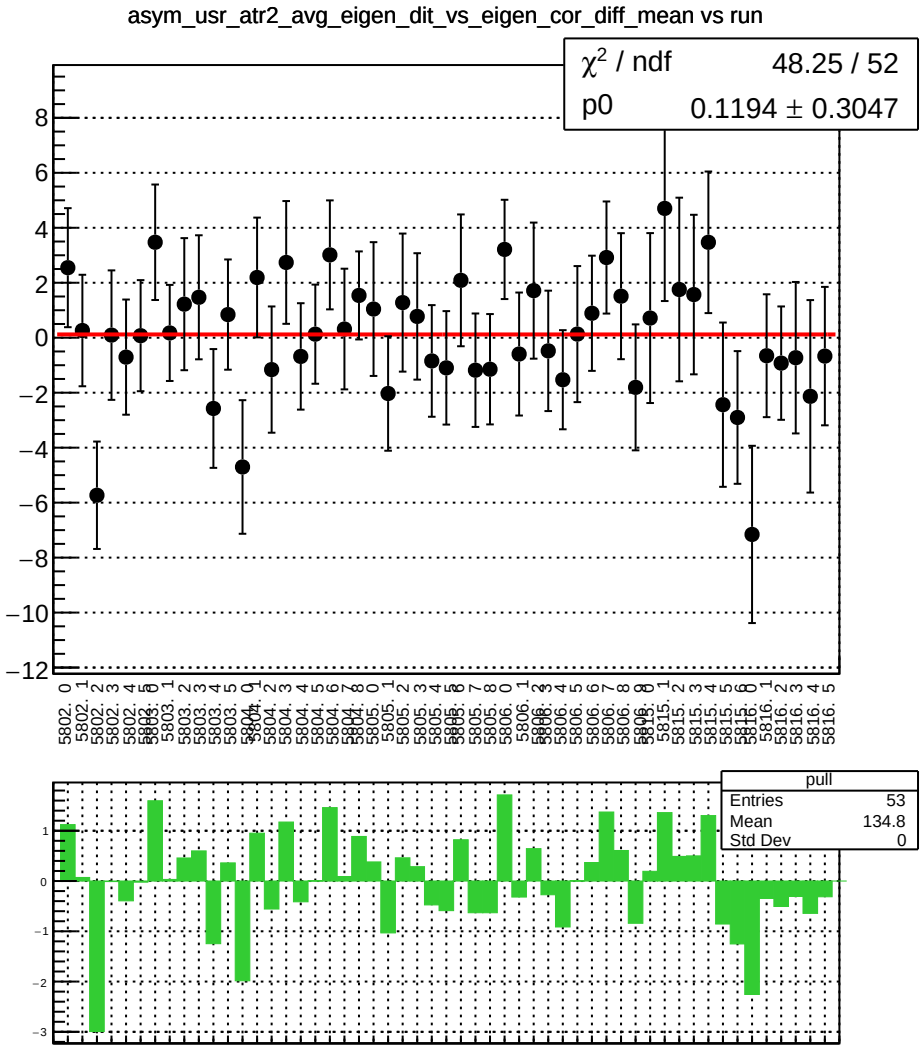

pull1D
Entries 53
Mean −0.02579
Std Dev 1.075

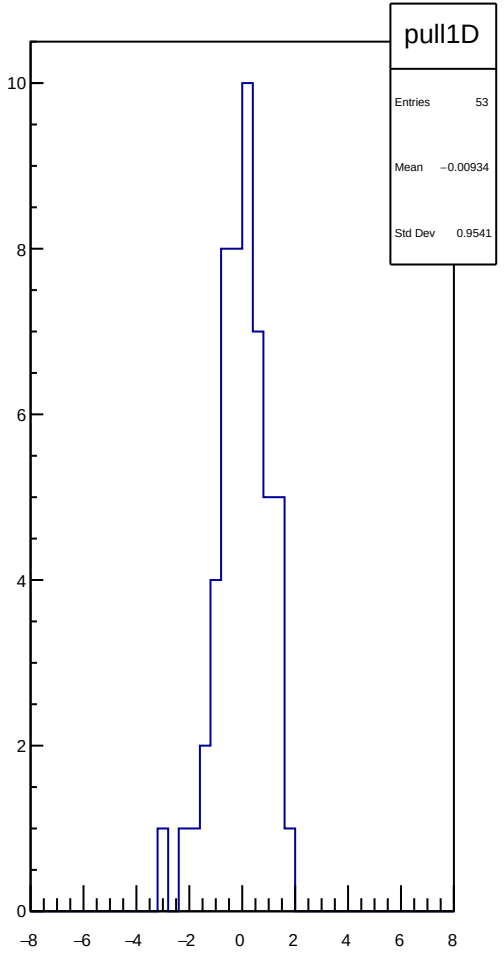

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3804 / 52
p0 0.01646 ± 1.648e−05
0.02
0.019
0.018
0.017
0.016
0.015

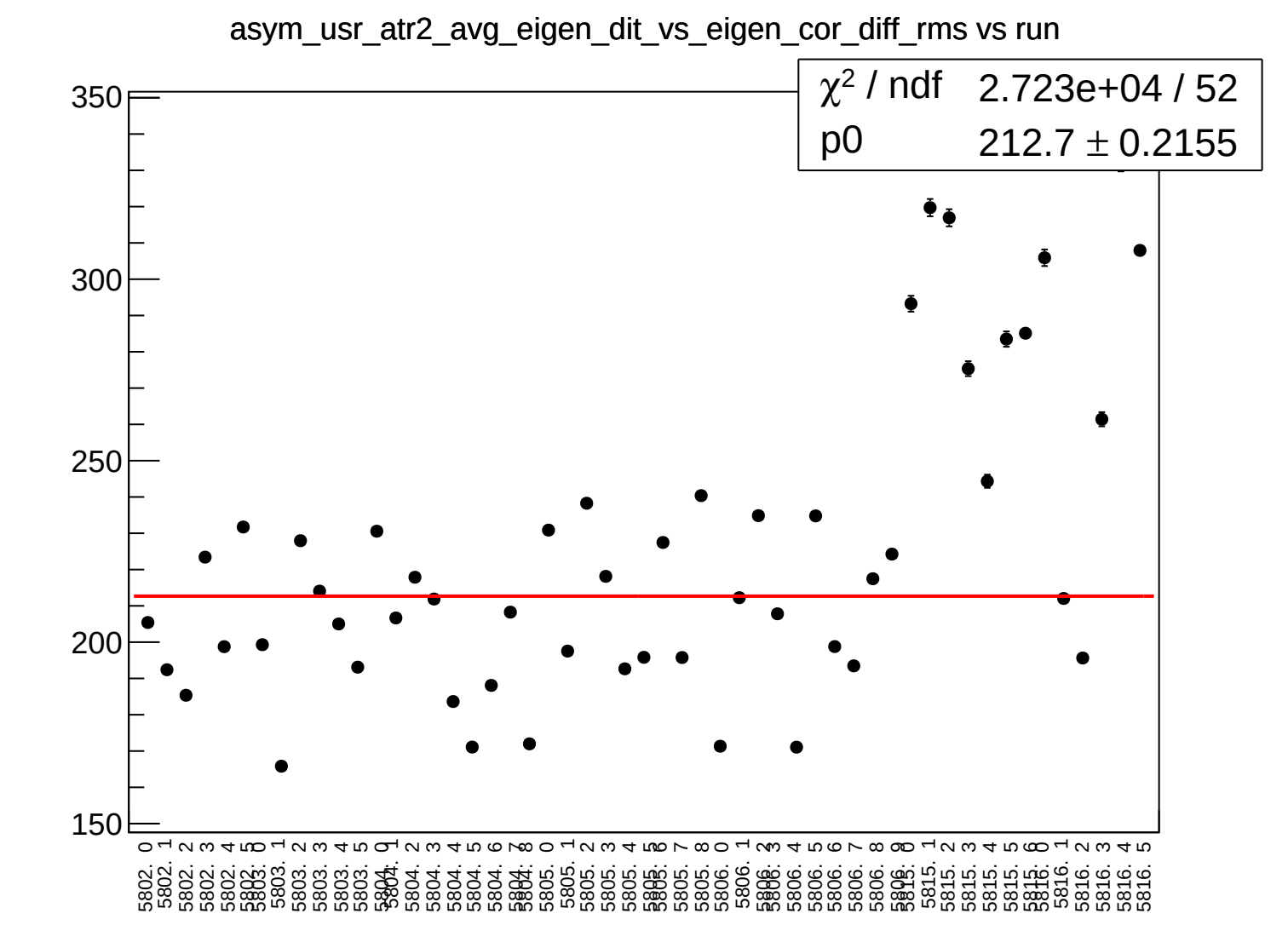

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.25 / 52
p0 0.1194 ± 0.3047
pull
Entries 53
Mean 134.8
Std Dev 0

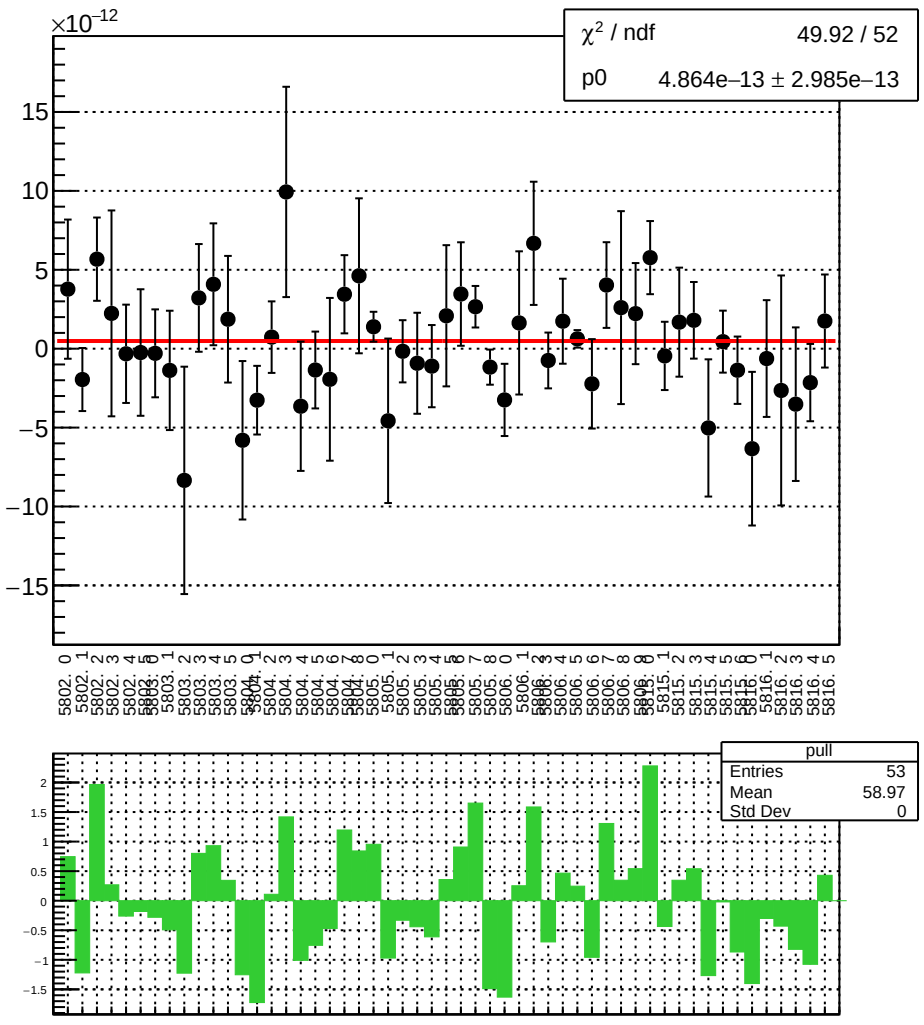

pull1D
Entries 53
Mean −0.00934
Std Dev 0.9541

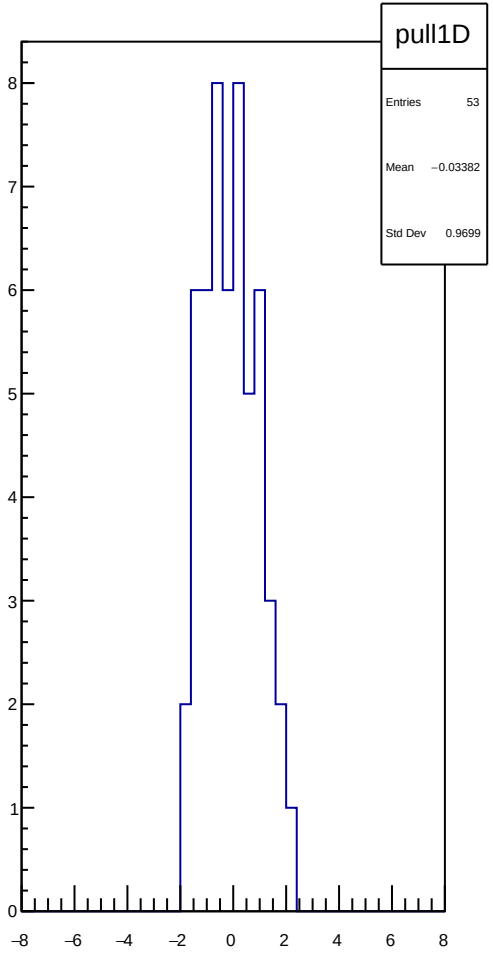

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 52
p0 212.7 ± 0.2155
350
300
250
200
150

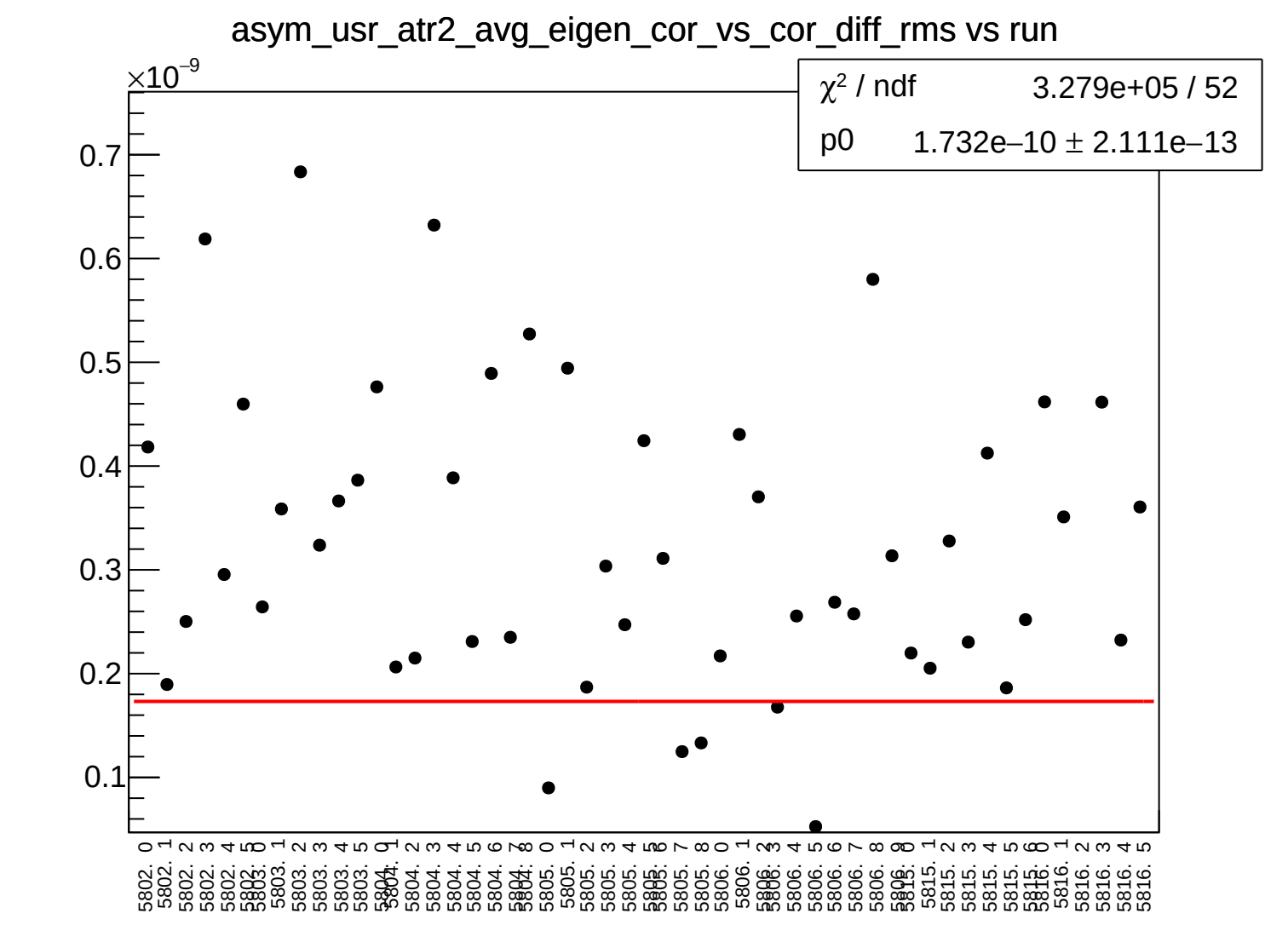

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.25 / 52
p0 0.1194 ± 0.3047
pull
Entries 53
Mean 134.8
Std Dev 0

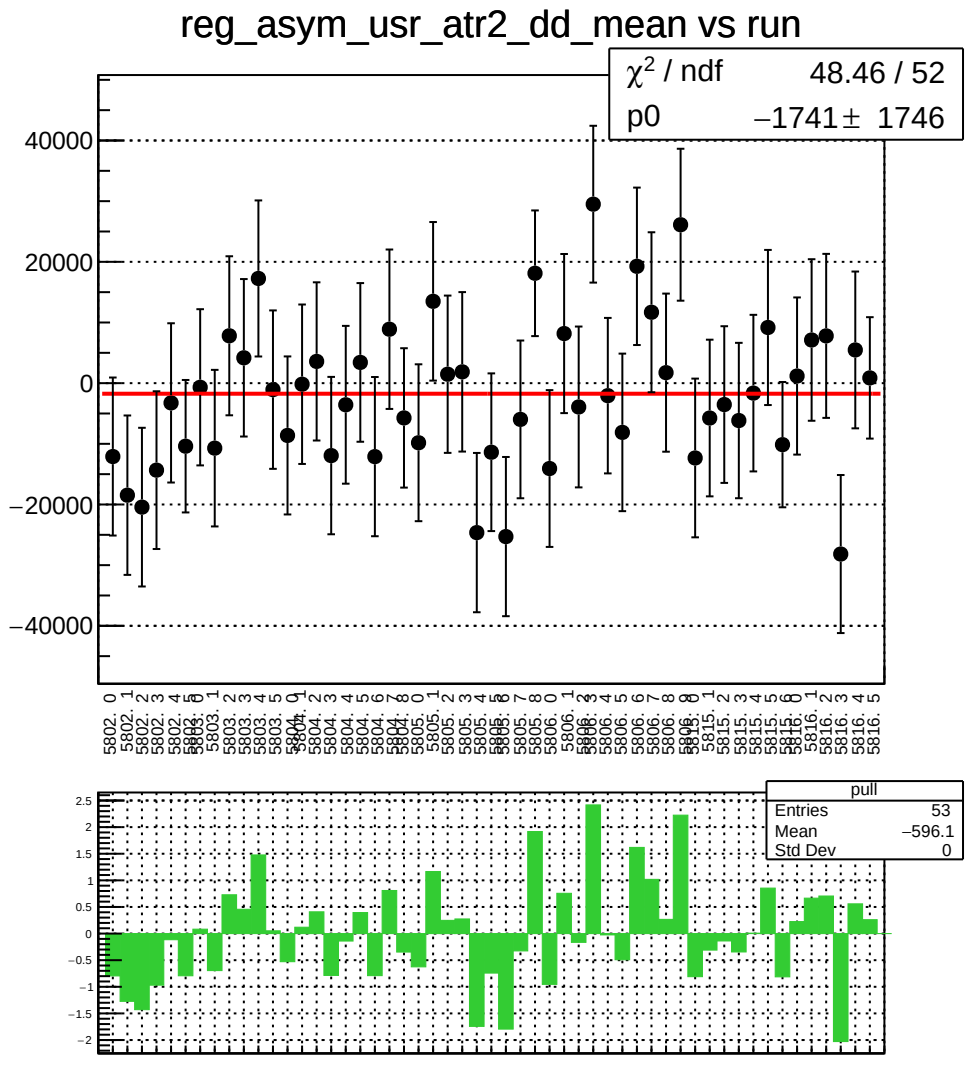

pull1D
Entries 53
Mean −0.00934
Std Dev 0.9541

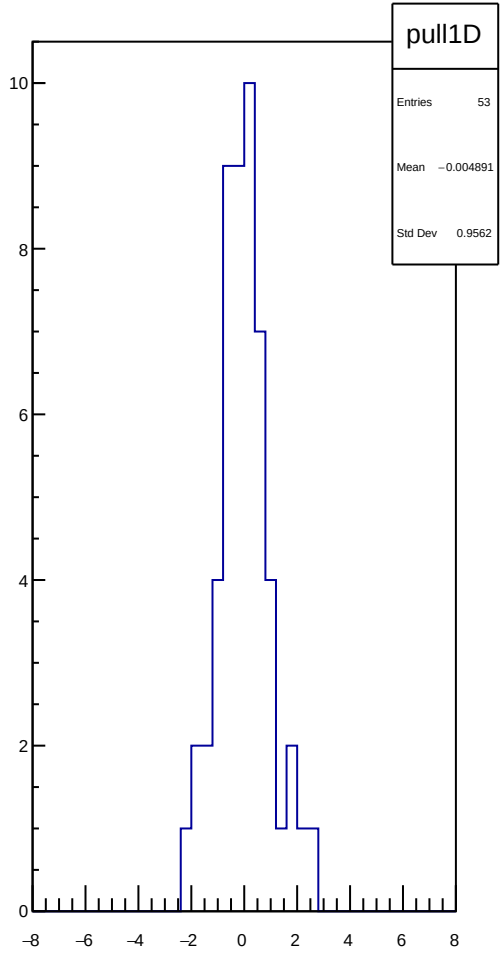

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 52
p0 212.7 ± 0.2155
350
300
250
200
150

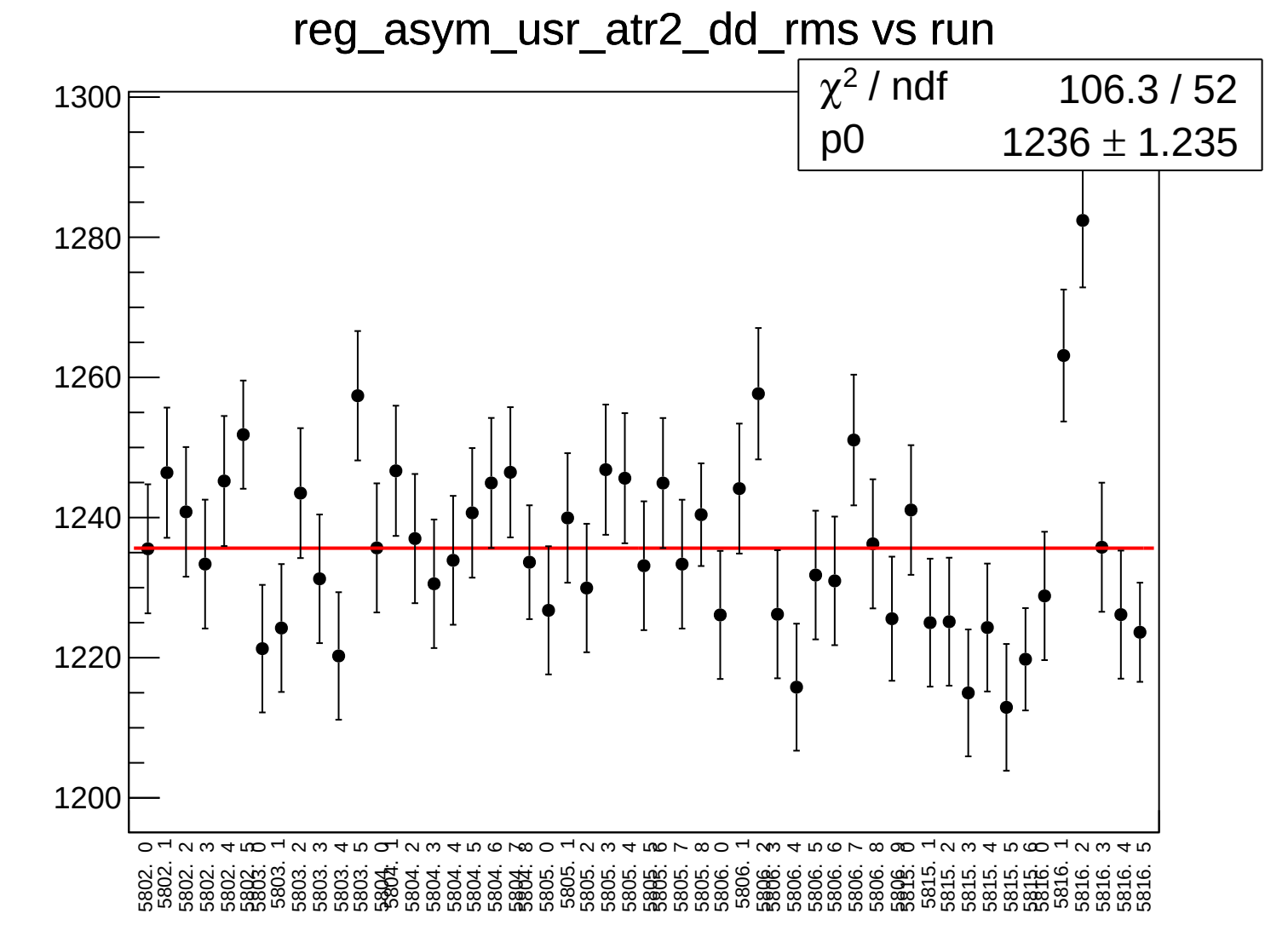

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.92 / 52
p0 4.864e−13 ± 2.985e−13
pull
Entries 53
Mean 58.97
Std Dev 0

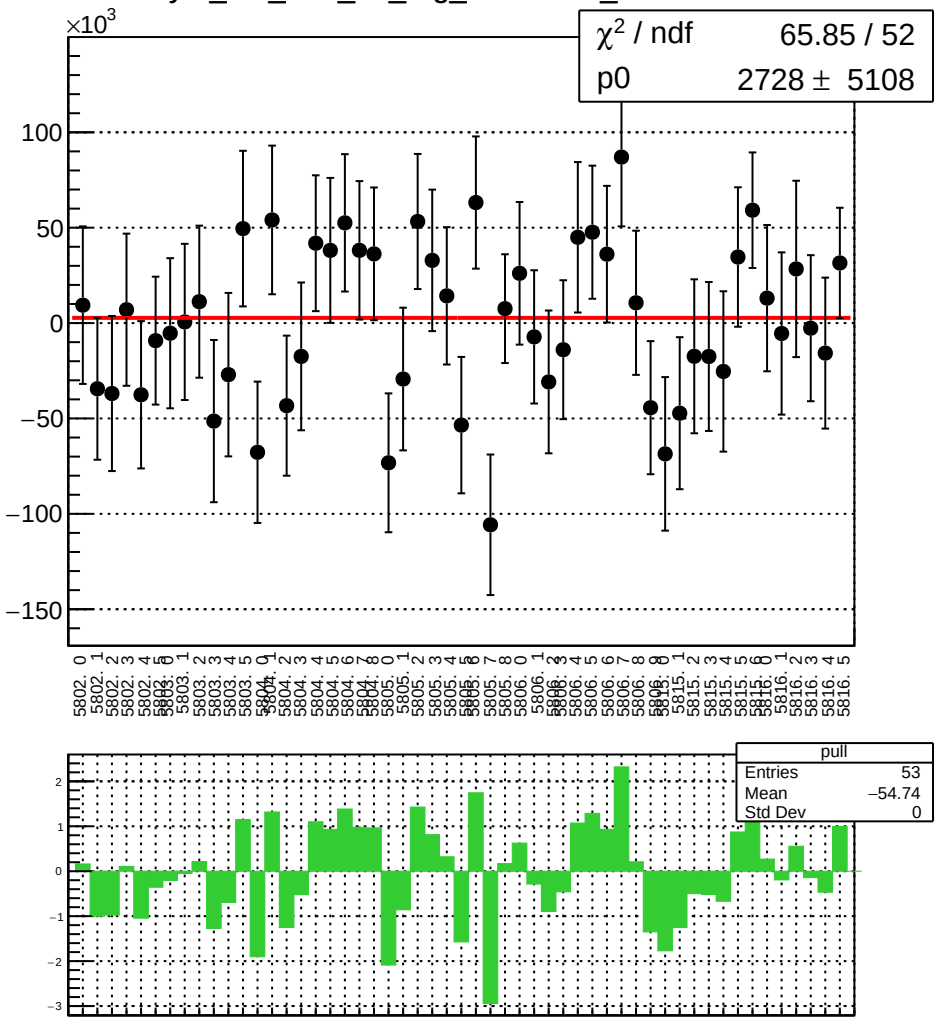

pull1D
Entries 53
Mean −0.03382
Std Dev 0.9699

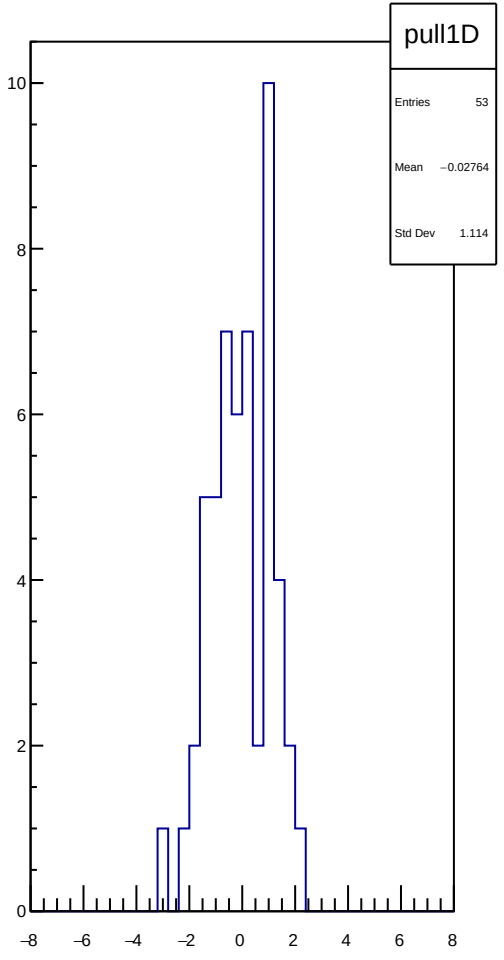

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.279e+05 / 52
p0 1.732e−10 ± 2.111e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

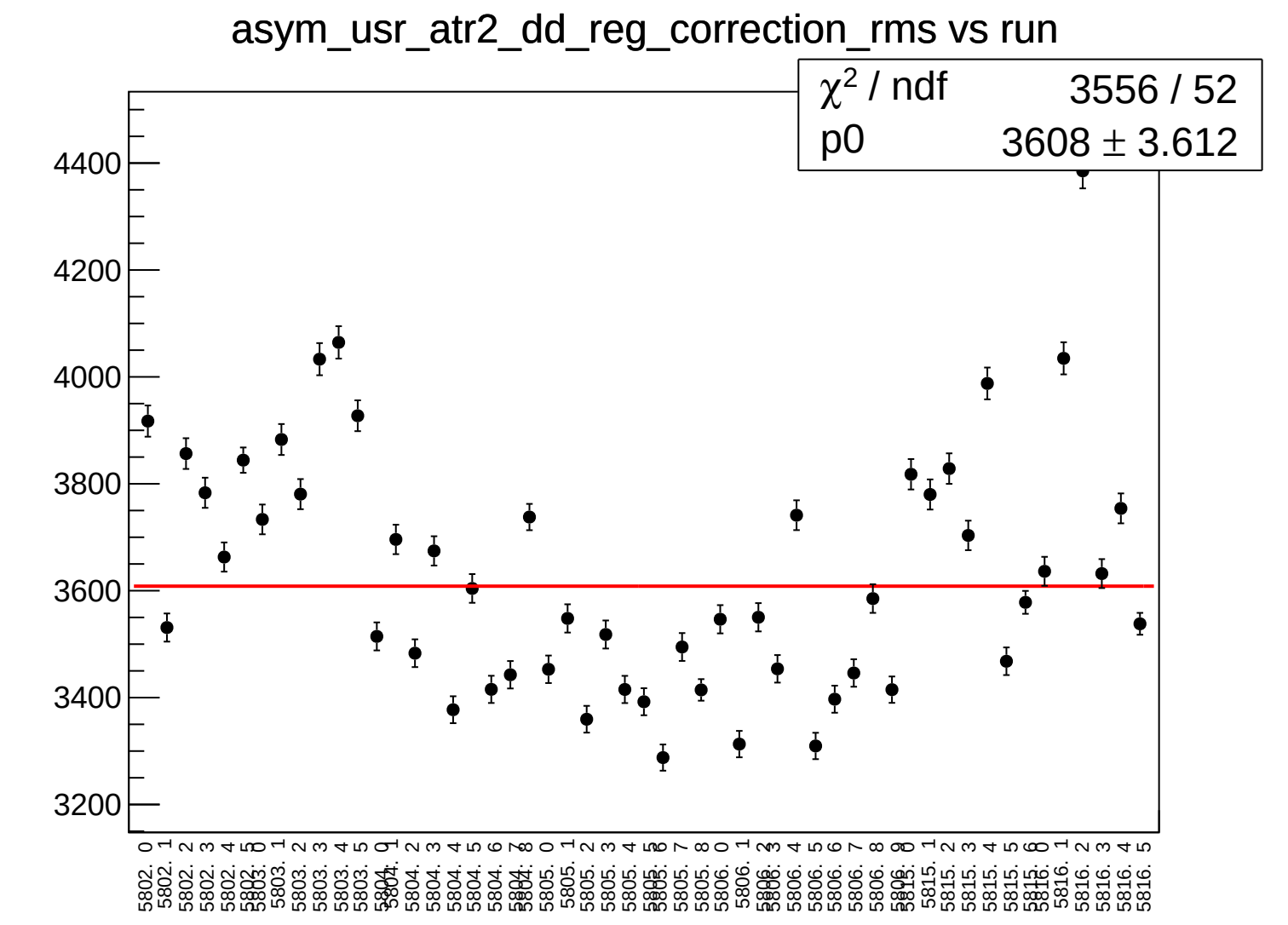

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 48.46 / 52
p0 −1741 ± 1746
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −596.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

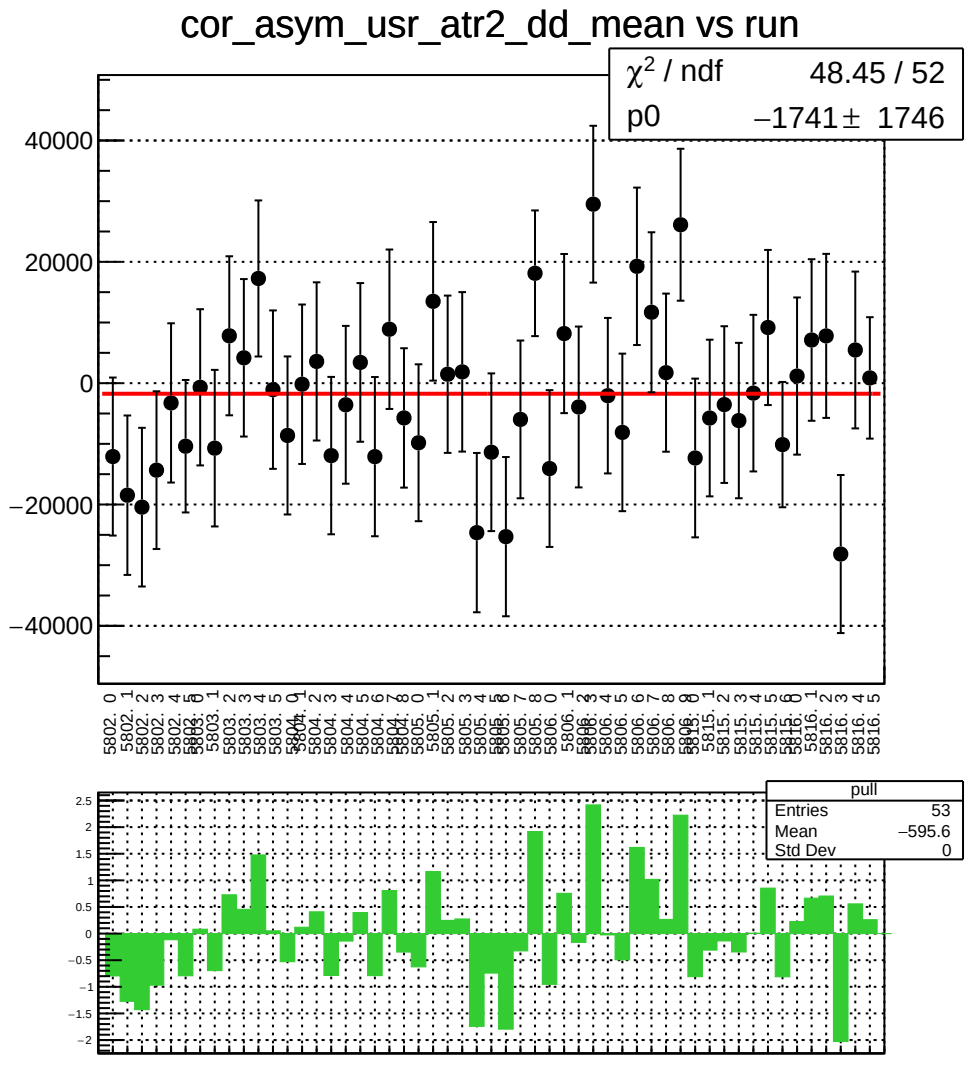

pull1D
Entries 53
Mean −0.004891
Std Dev 0.9562
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

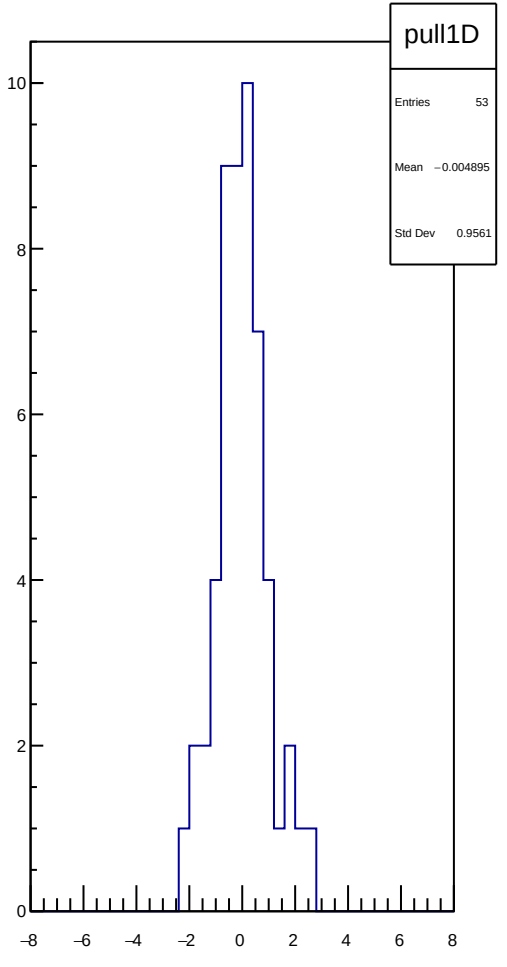

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 106.3 / 52
p0 1236 ± 1.235
1300
1280
1260
1240
1220
1200

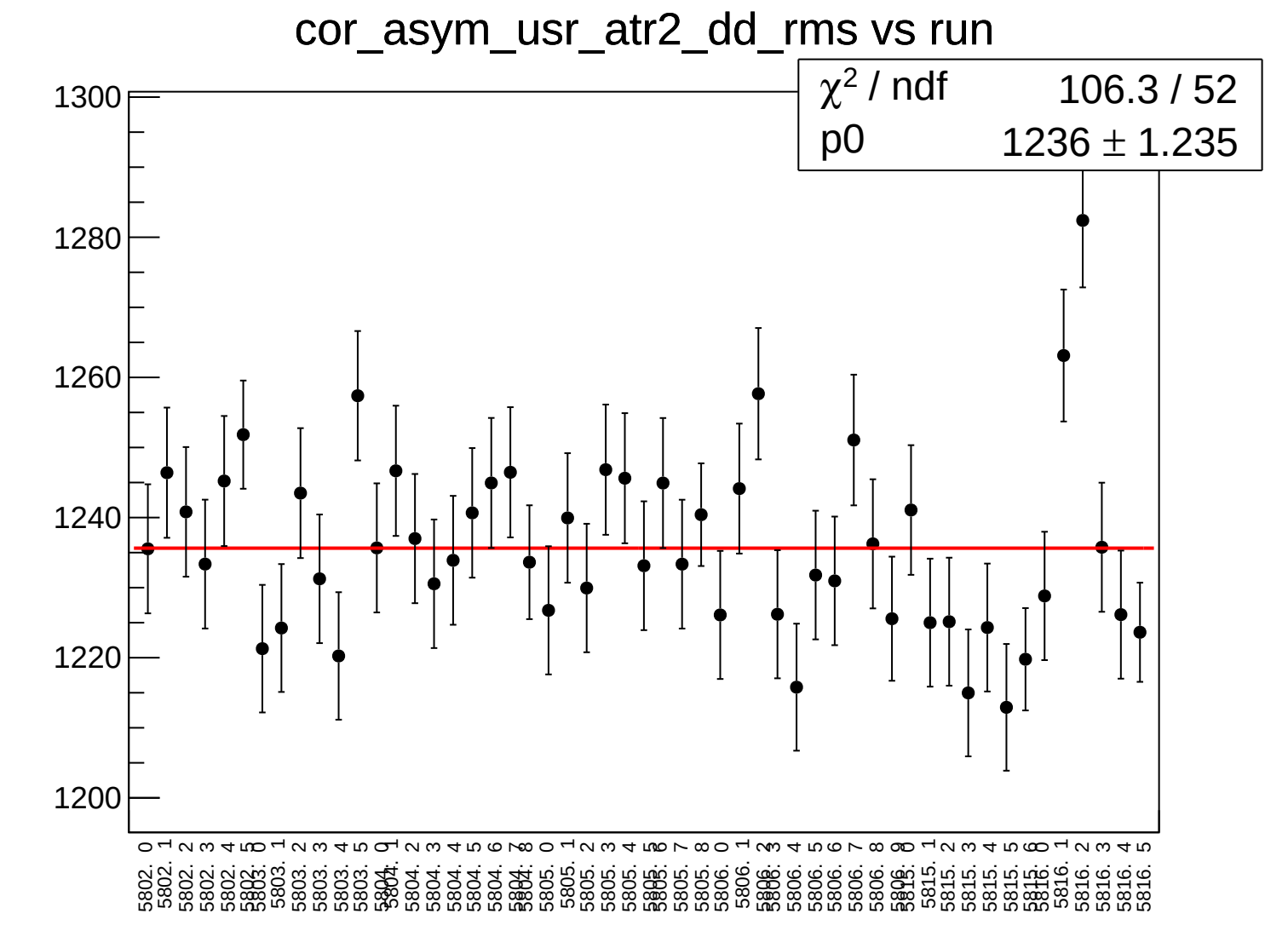

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.85 / 52
p0 2728 ± 5108
100
50
0
−50
−100
−150
pull
Entries 53
Mean −54.74
Std Dev 0
2
1
0
−1
−2
−3

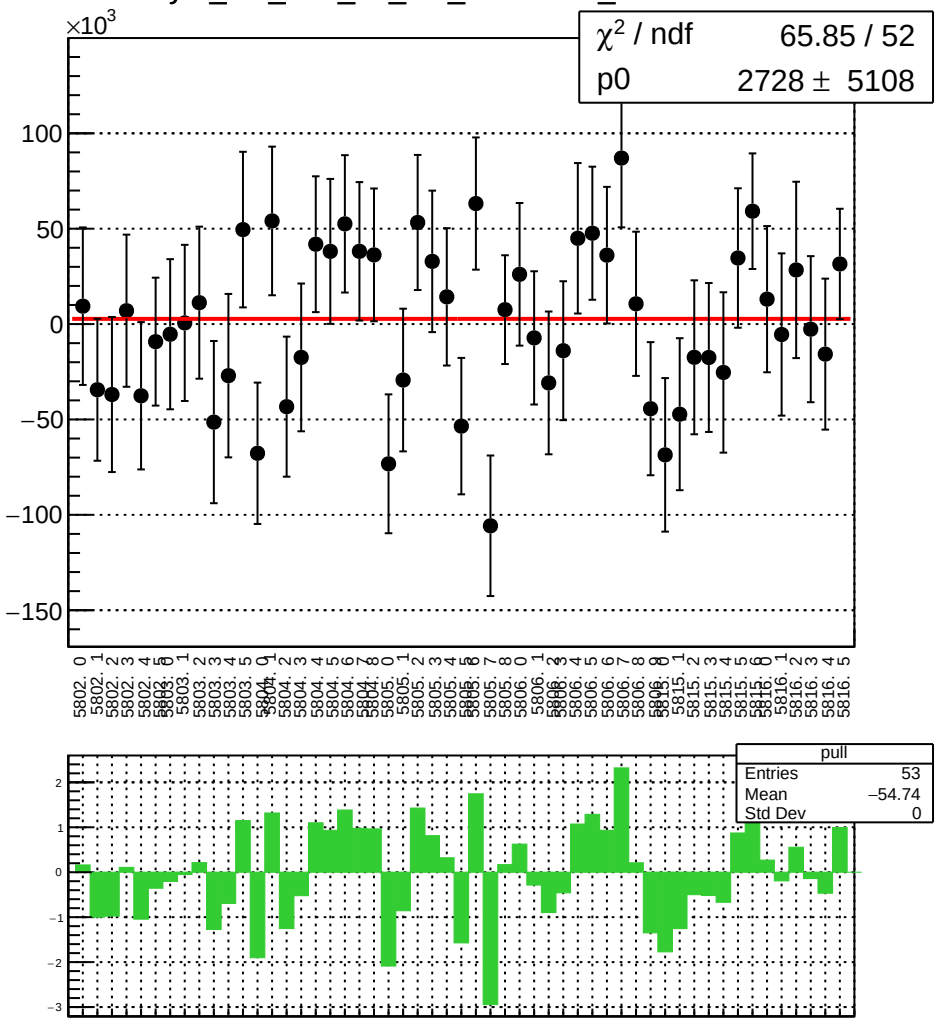

pull1D
Entries 53
Mean −0.02764
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

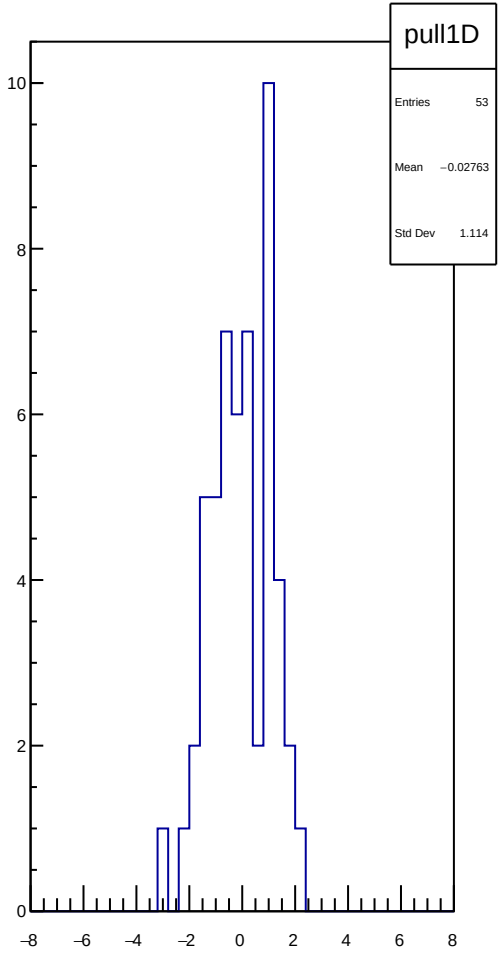

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 3556 / 52
p0 3608 ± 3.612
4400
4200
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

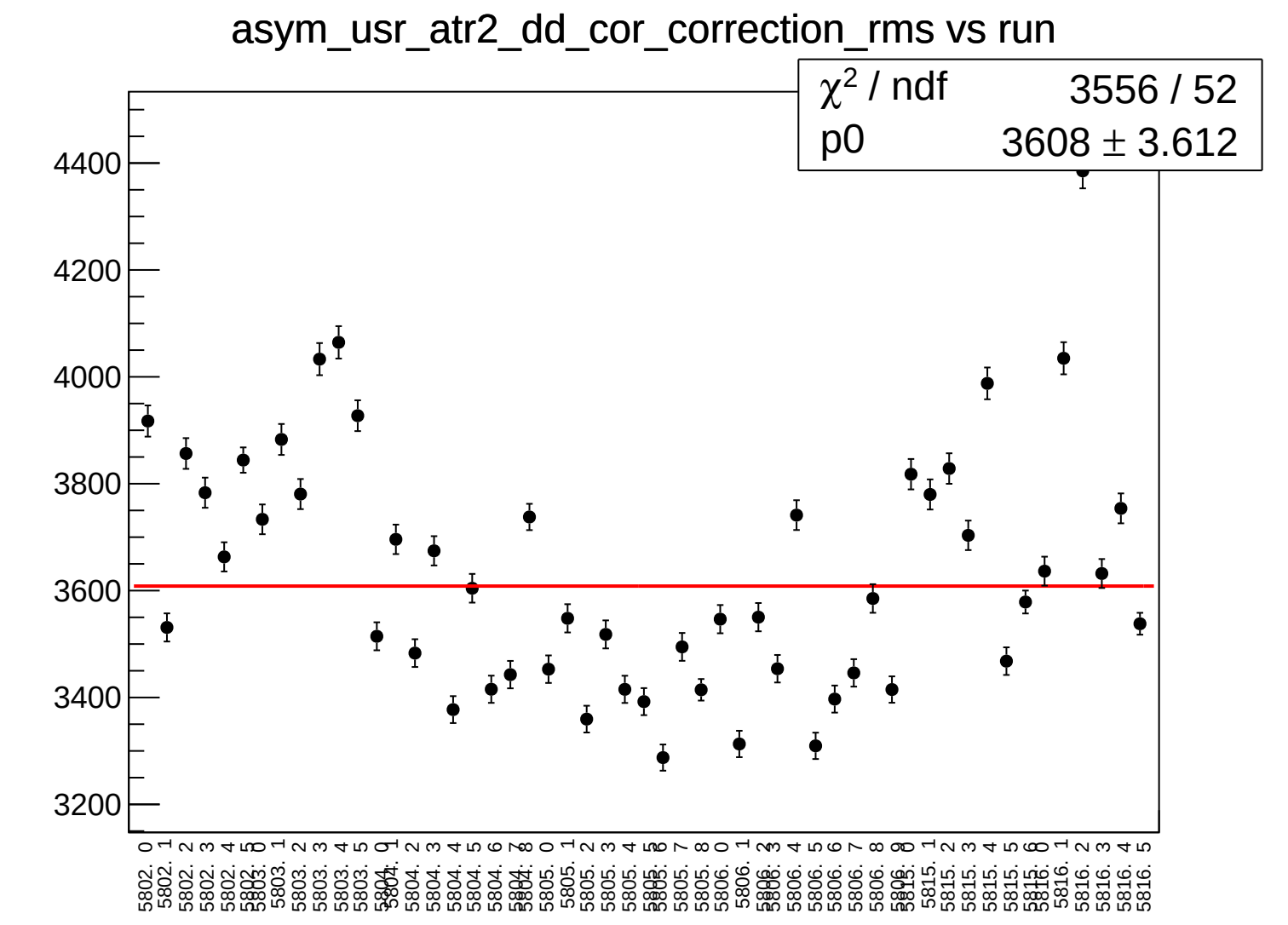

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 48.45 / 52
p0 −1741 ± 1746
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −595.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

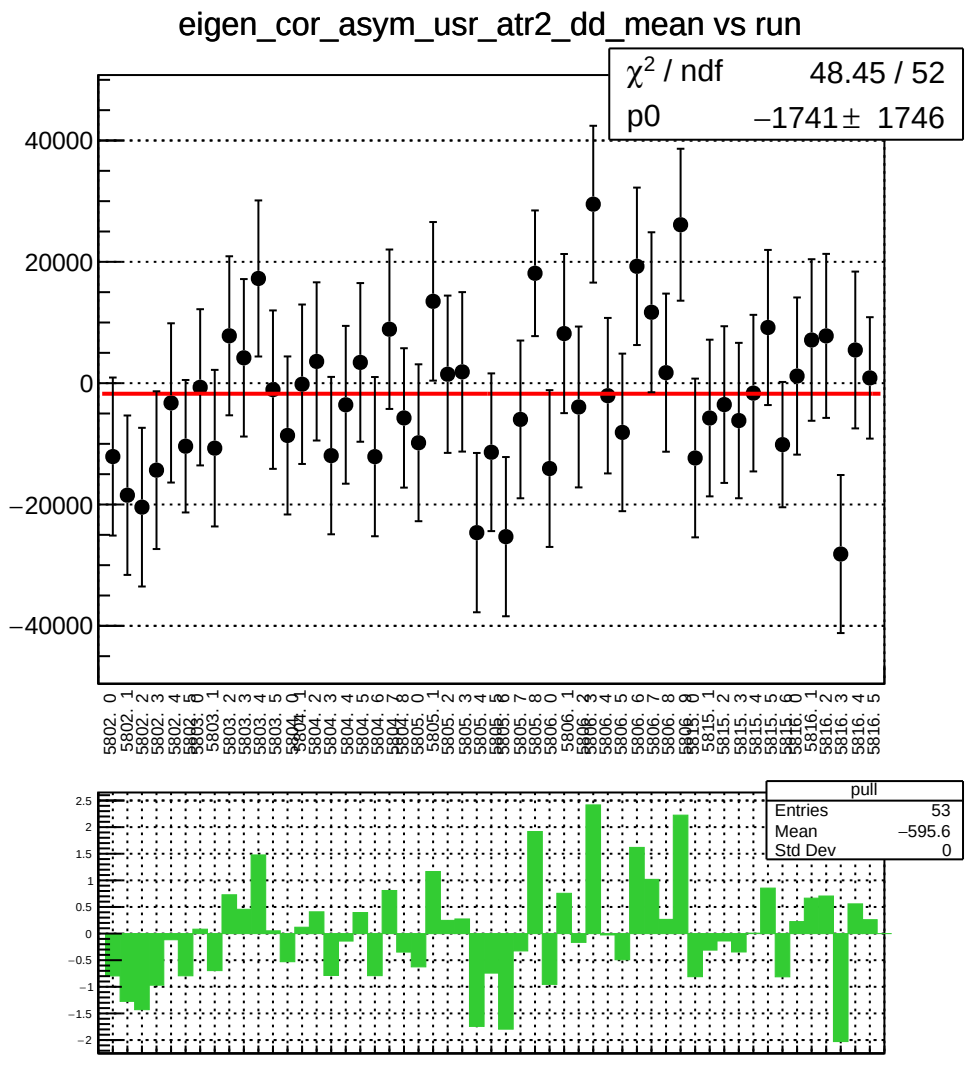

pull1D
Entries 53
Mean −0.004895
Std Dev 0.9561
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

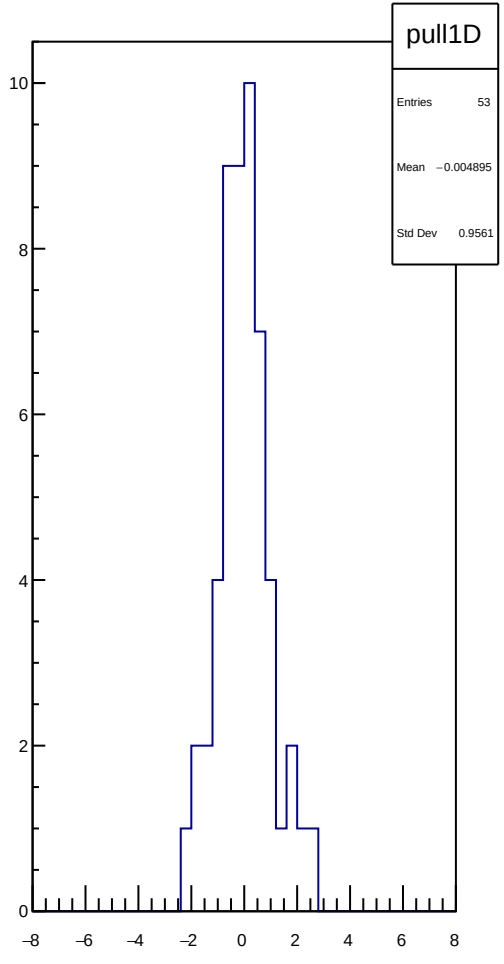

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 106.3 / 52
p0 1236 ± 1.235
1300
1280
1260
1240
1220
1200

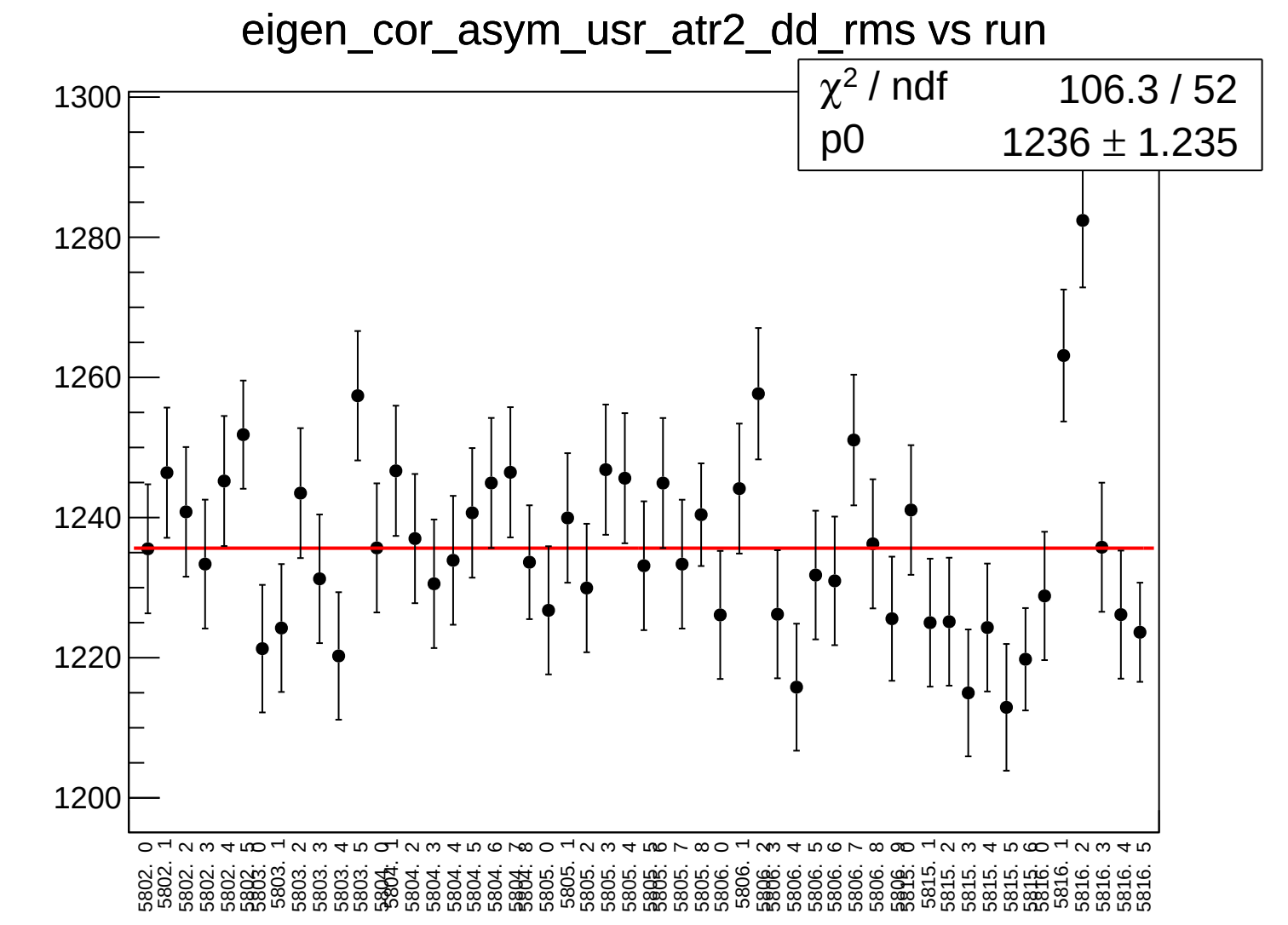

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.85 / 52
p0 2728 ± 5108
pull
Entries 53
Mean −54.74
Std Dev 0

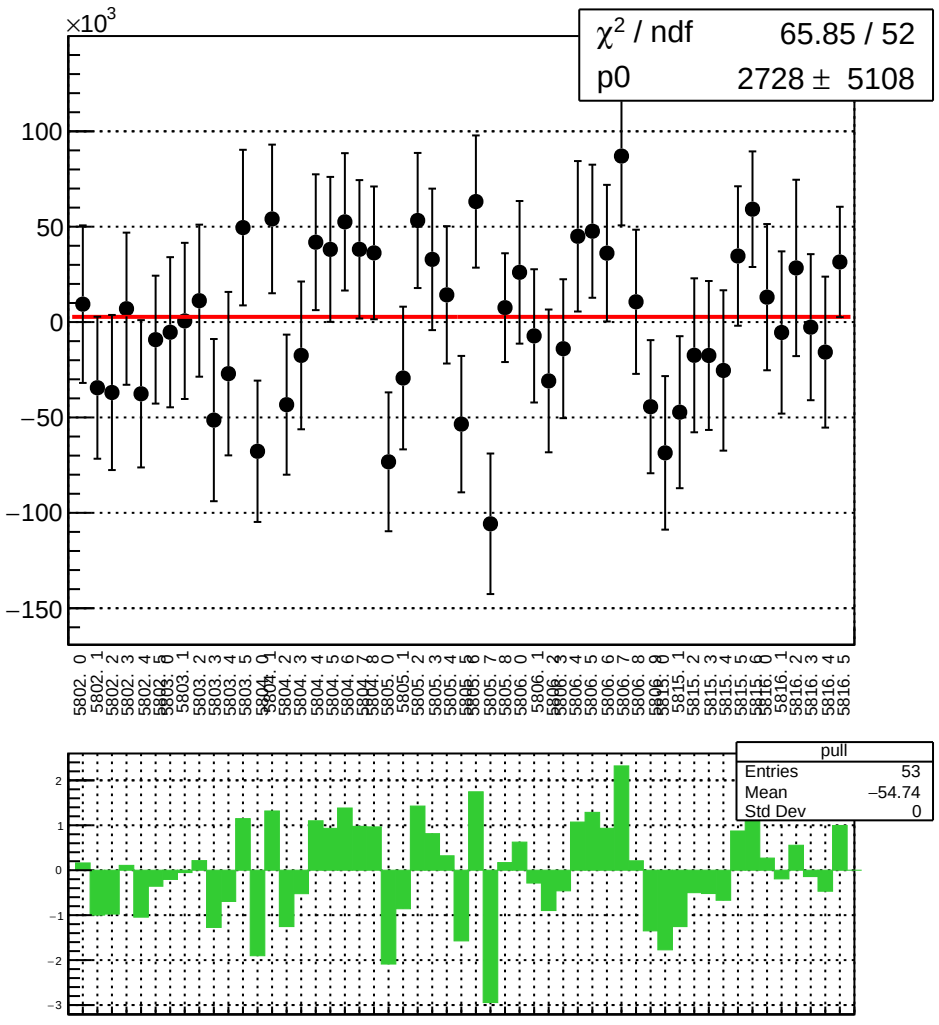

pull1D
Entries 53
Mean −0.02763
Std Dev 1.114

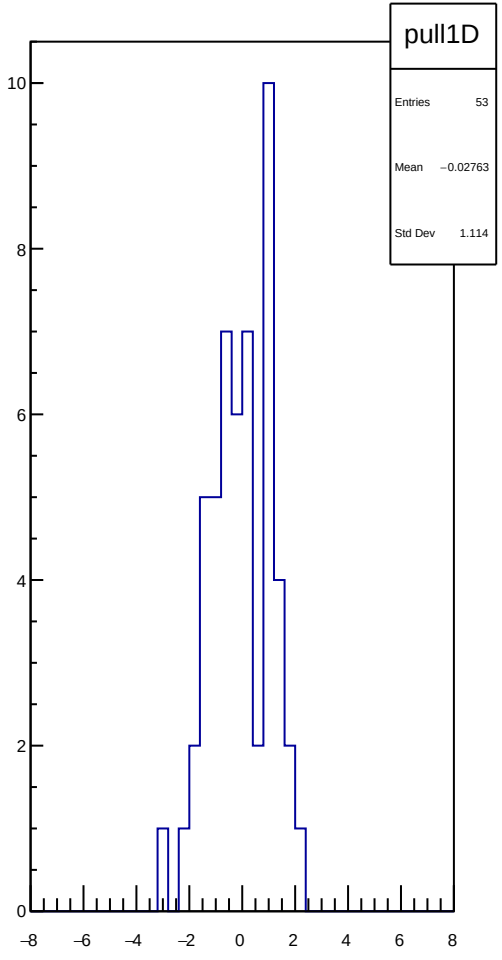

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 3556 / 52
p0 3608 ± 3.612
4400
4200
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

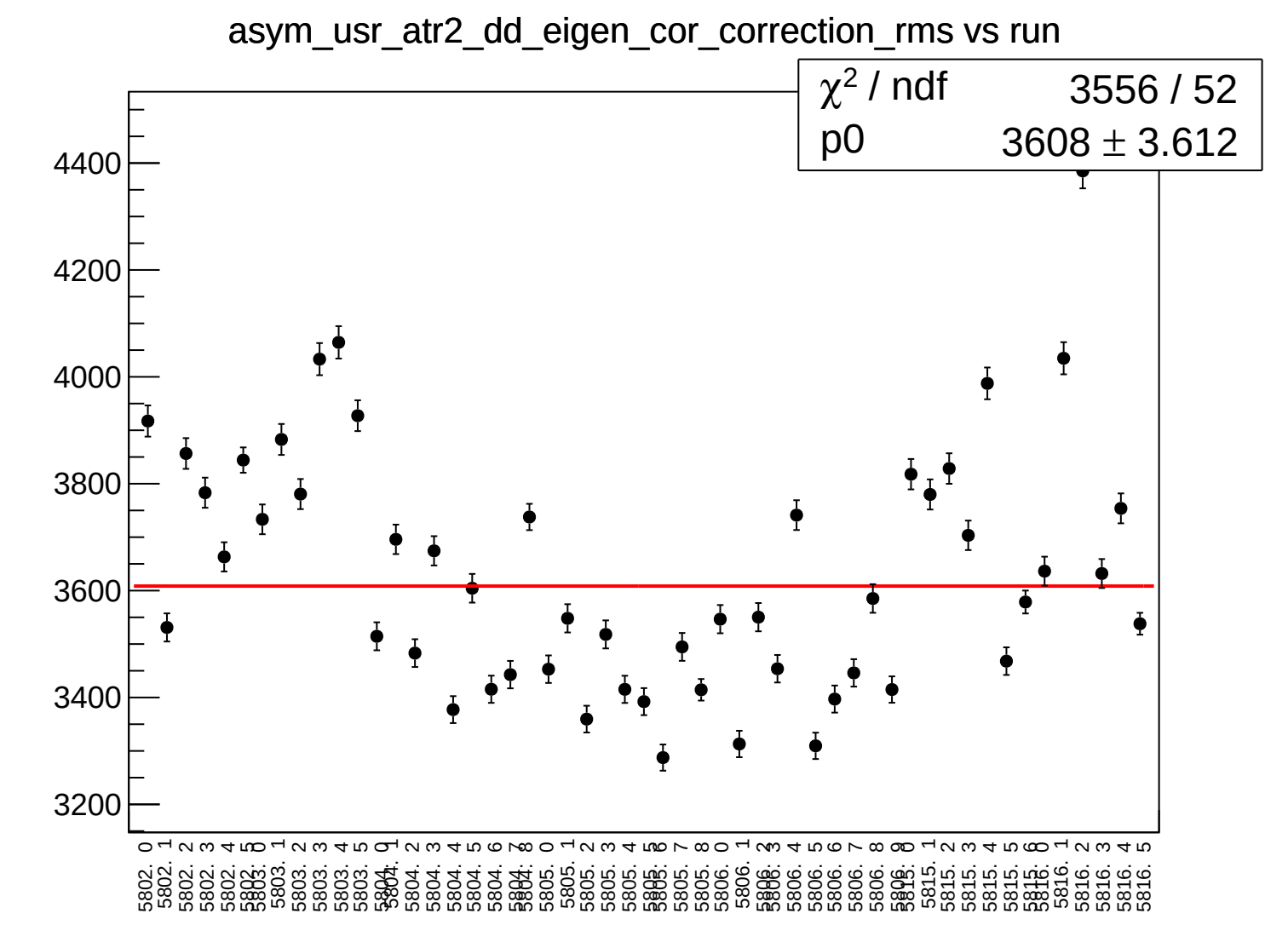

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 48.45 / 52
p0 −1741 ± 1746
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −595.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

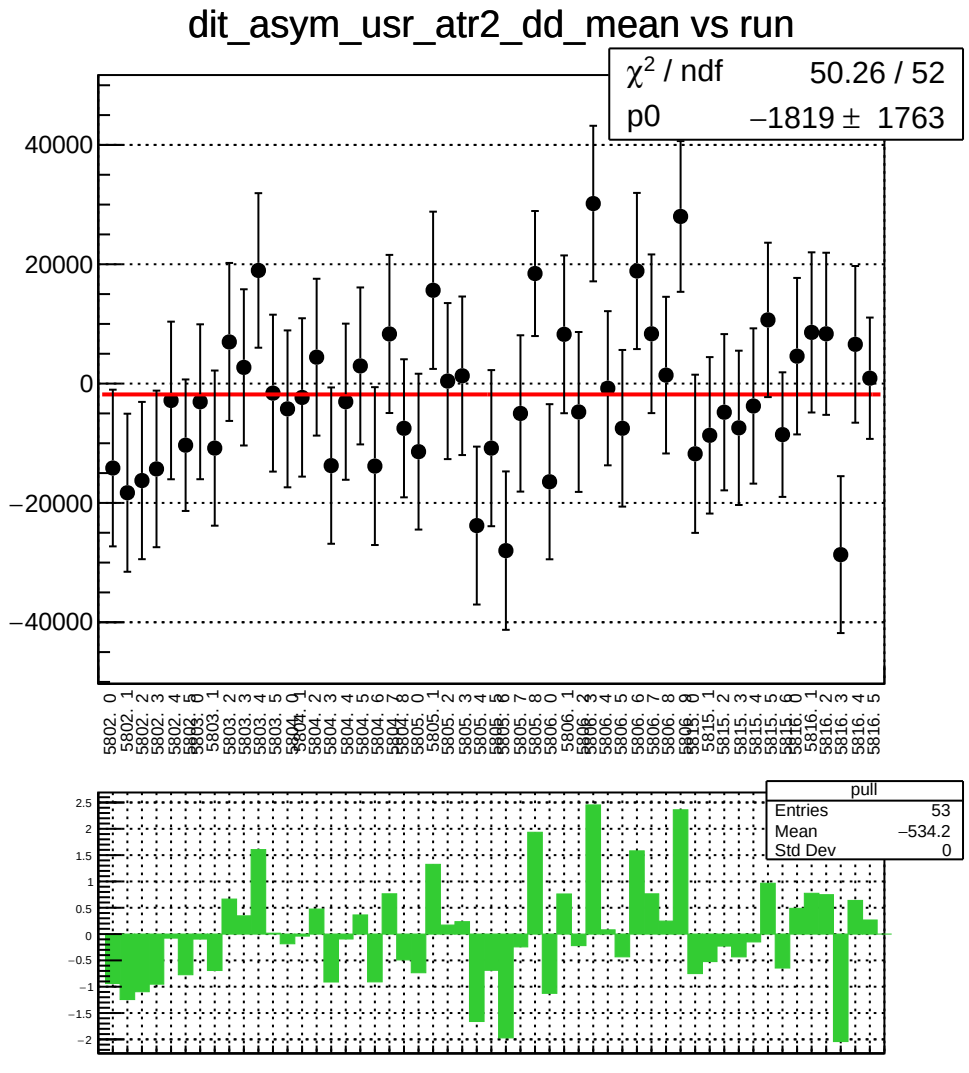

pull1D
Entries 53
Mean −0.004895
Std Dev 0.9561
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

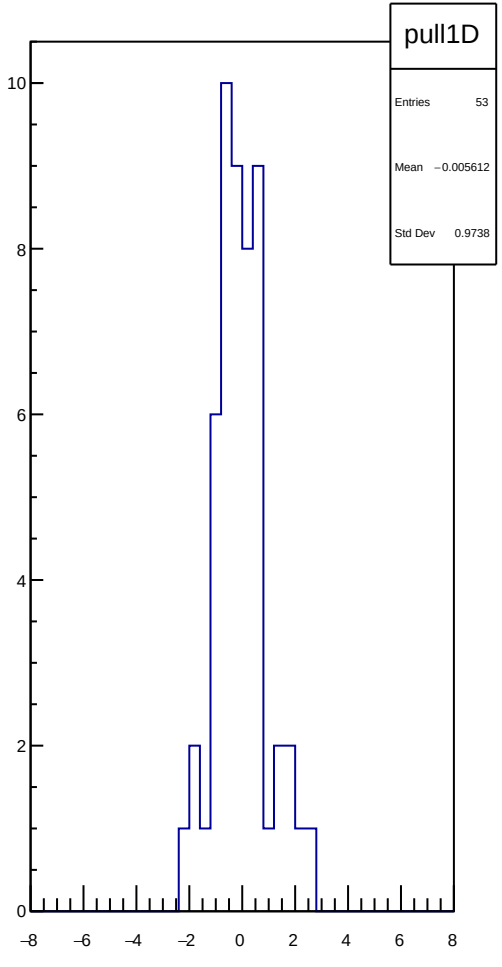

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 106.3 / 52
p0 1236 ± 1.235
1300
1280
1260
1240
1220
1200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

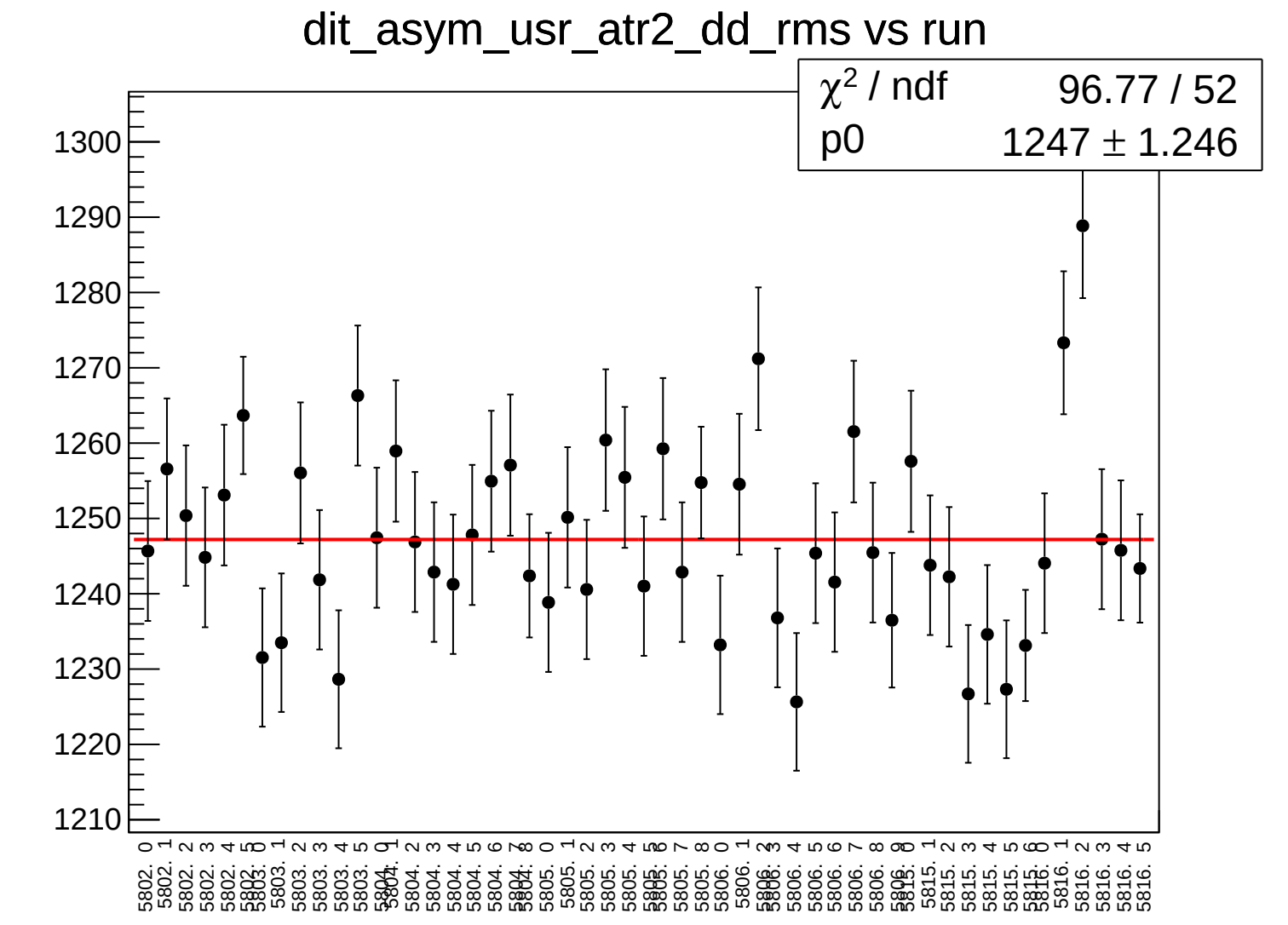

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.85 / 52
p0 2728 ± 5108
100
50
0
−50
−100
−150
pull
Entries 53
Mean −54.74
Std Dev 0
2
1
0
−1
−2
−3

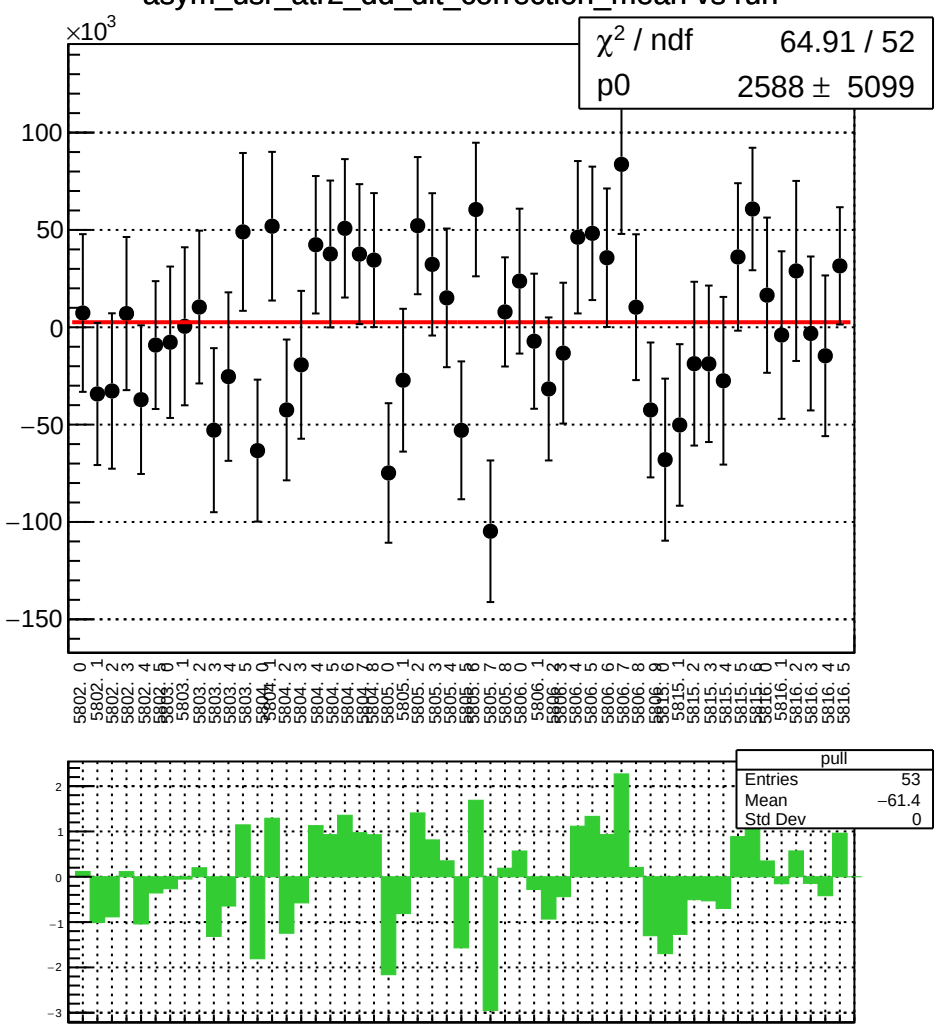

pull1D
Entries 53
Mean −0.02763
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

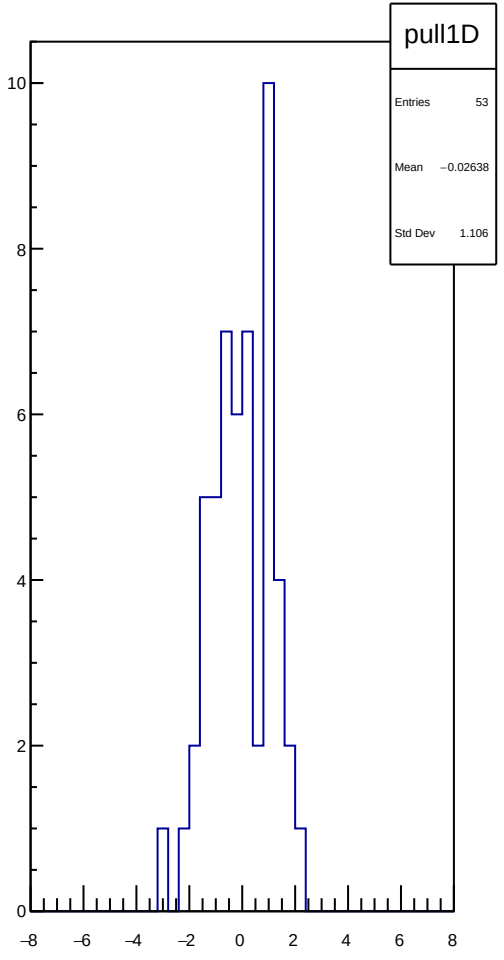

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3556 / 52
p0 3608 ± 3.612
4400
4200
4000
3800
3600
3400
3200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

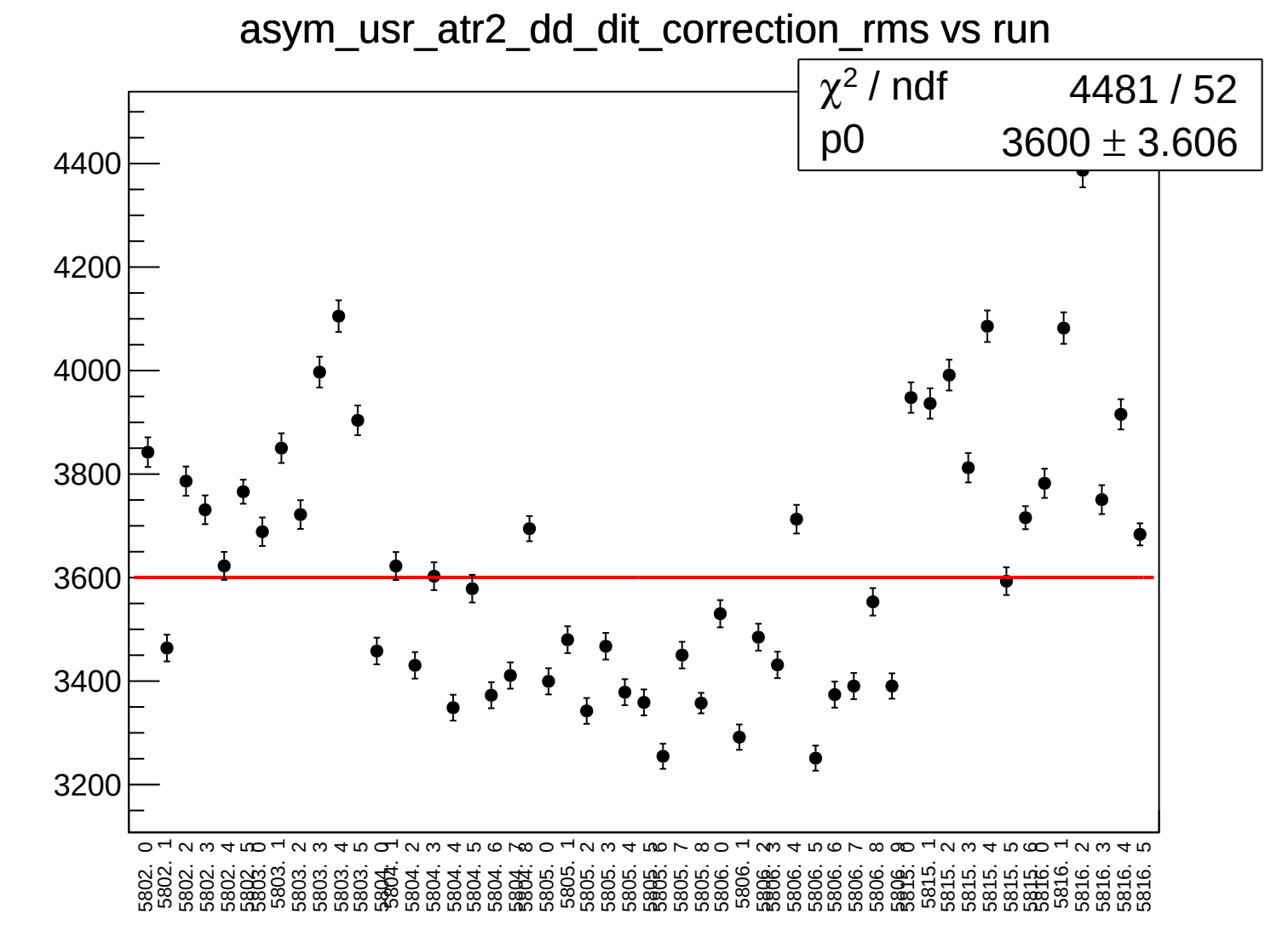

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.26 / 52
p0 −1819 ± 1763
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −534.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

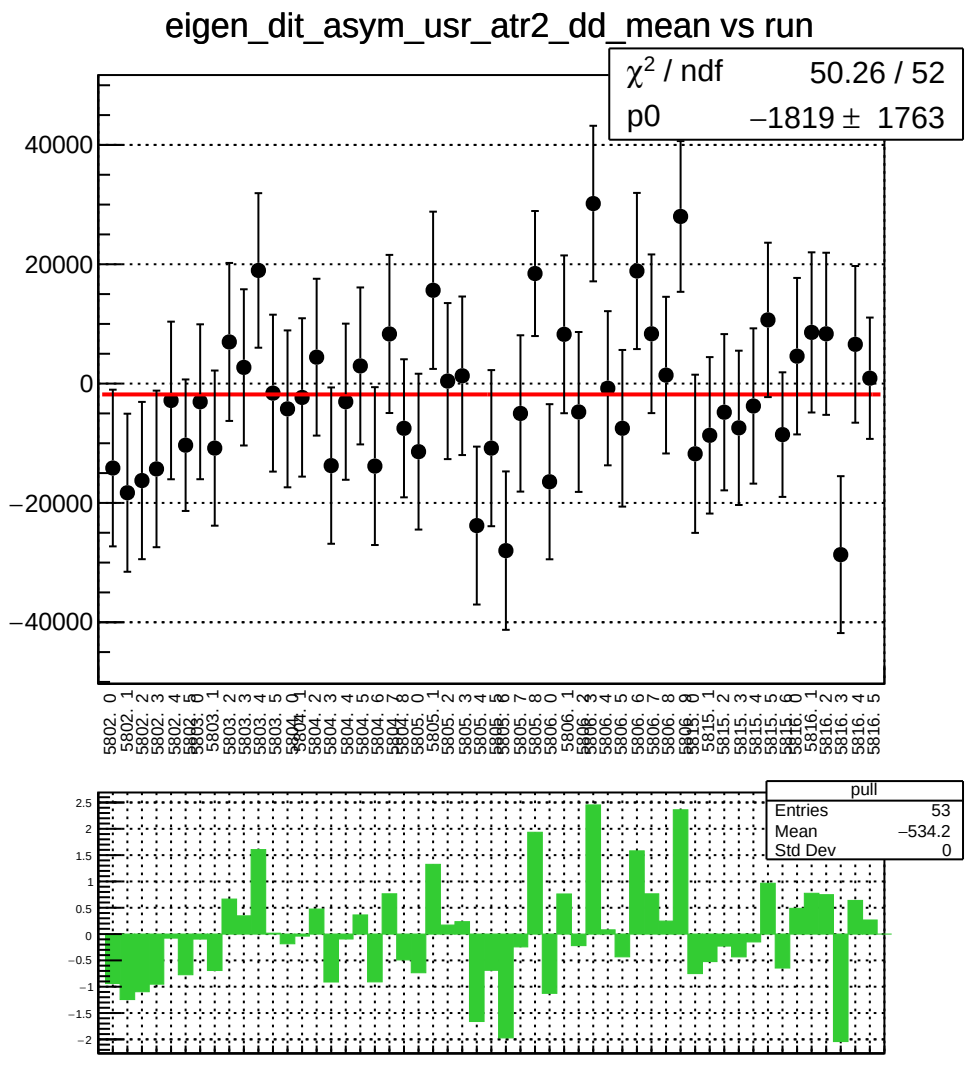

pull1D
Entries 53
Mean −0.005612
Std Dev 0.9738
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

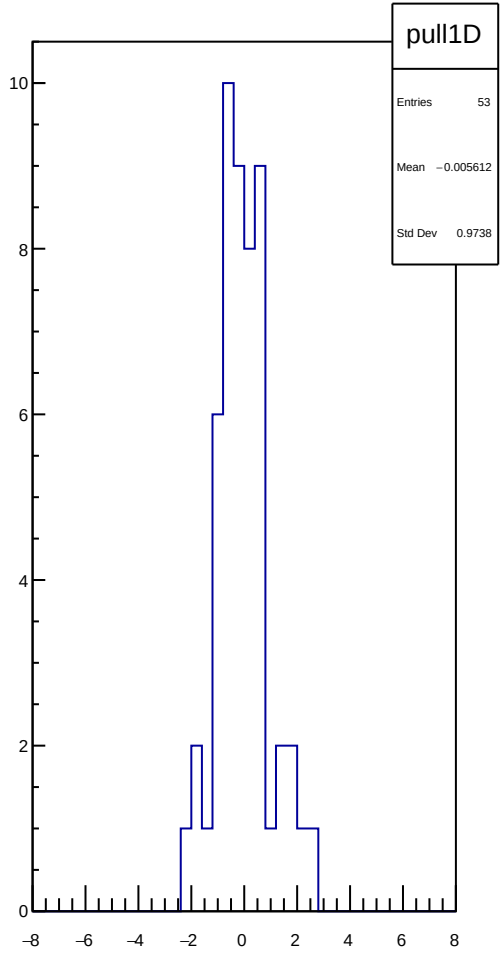

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 96.77 / 52
p0 1247 ± 1.246
1300
1290
1280
1270
1260
1250
1240
1230
1220
1210
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

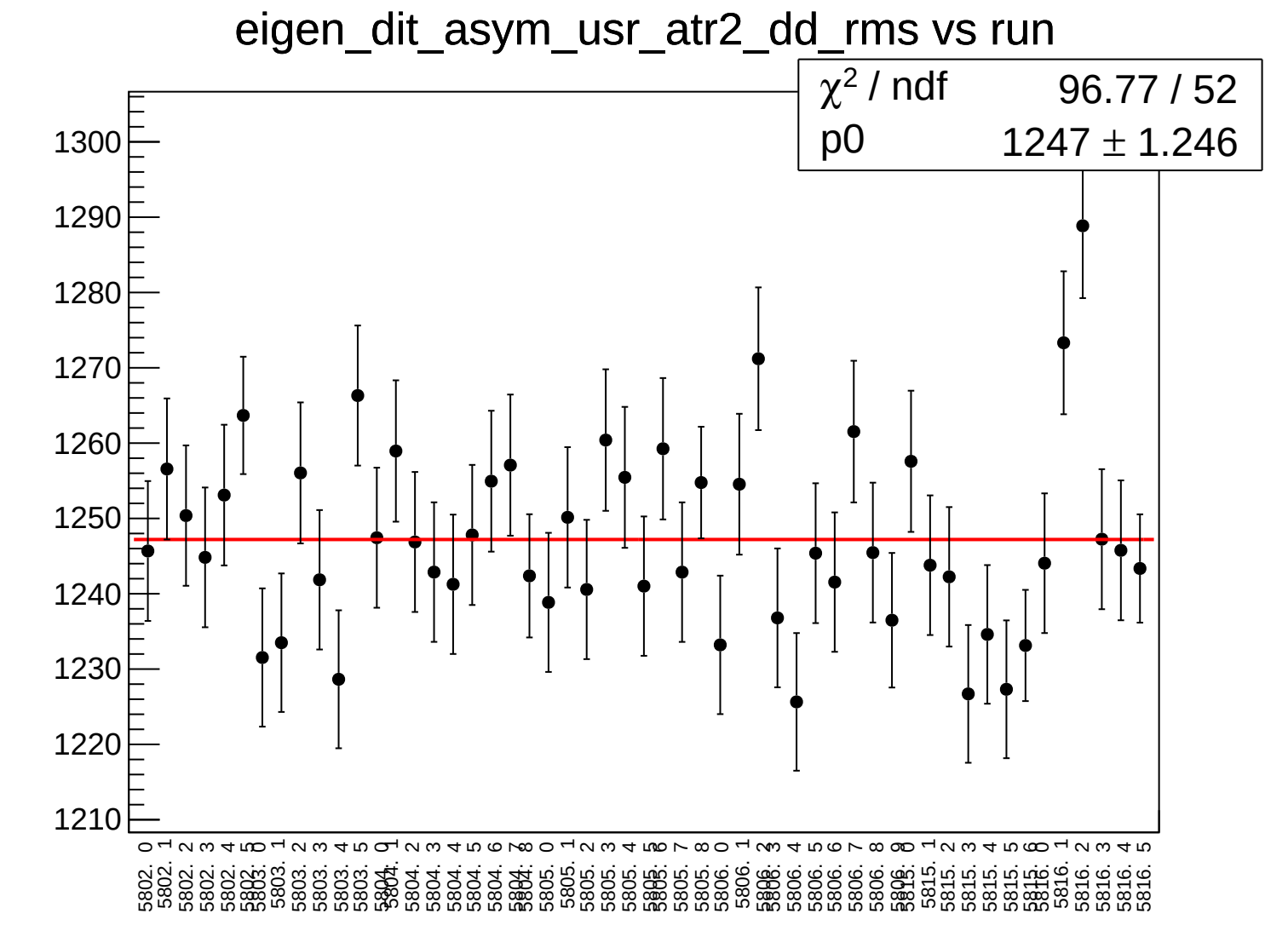

asym_usr_atr2_dd_dit_correction_mean vs run
χ² / ndf 64.91 / 52
p0 2588 ± 5099
pull
Entries 53
Mean −61.4
Std Dev 0

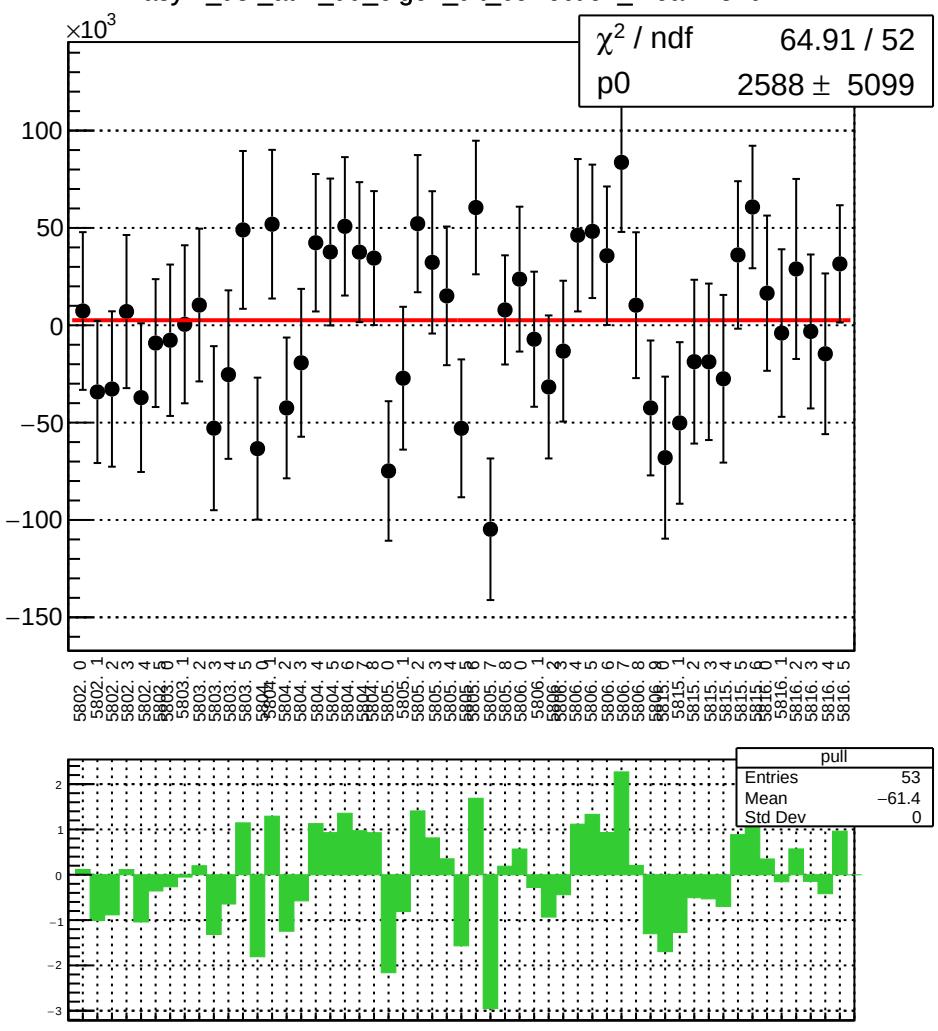

pull1D
Entries 53
Mean −0.02638
Std Dev 1.106

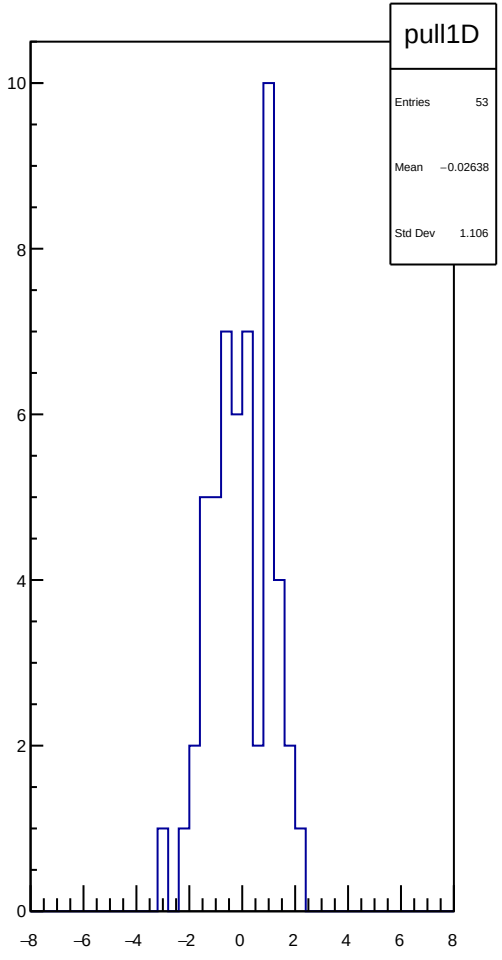

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 4481 / 52
p0 3600 ± 3.606
4400
4200
4000
3800
3600
3400
3200

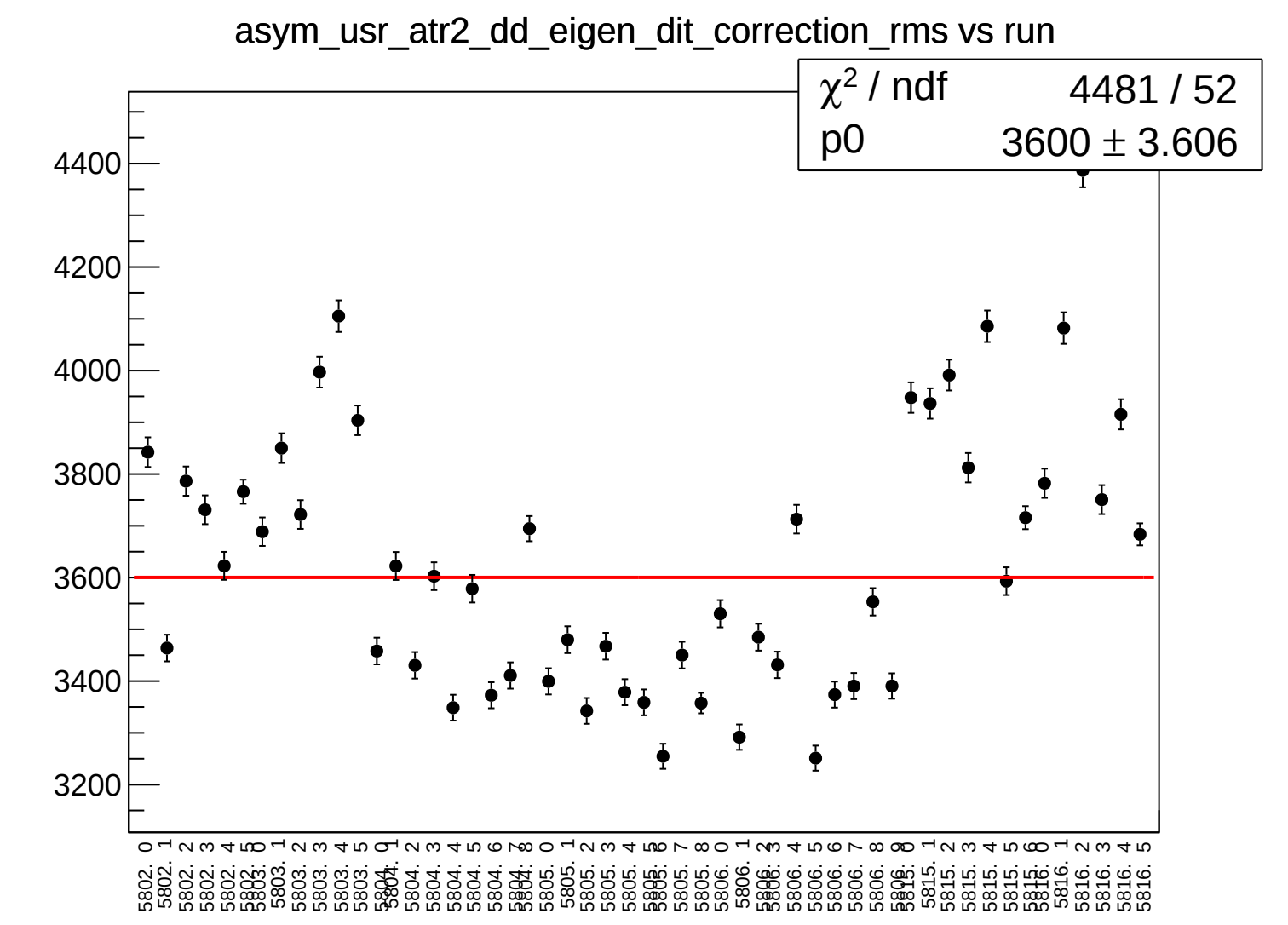

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.26 / 52
p0 −1819 ± 1763
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −534.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

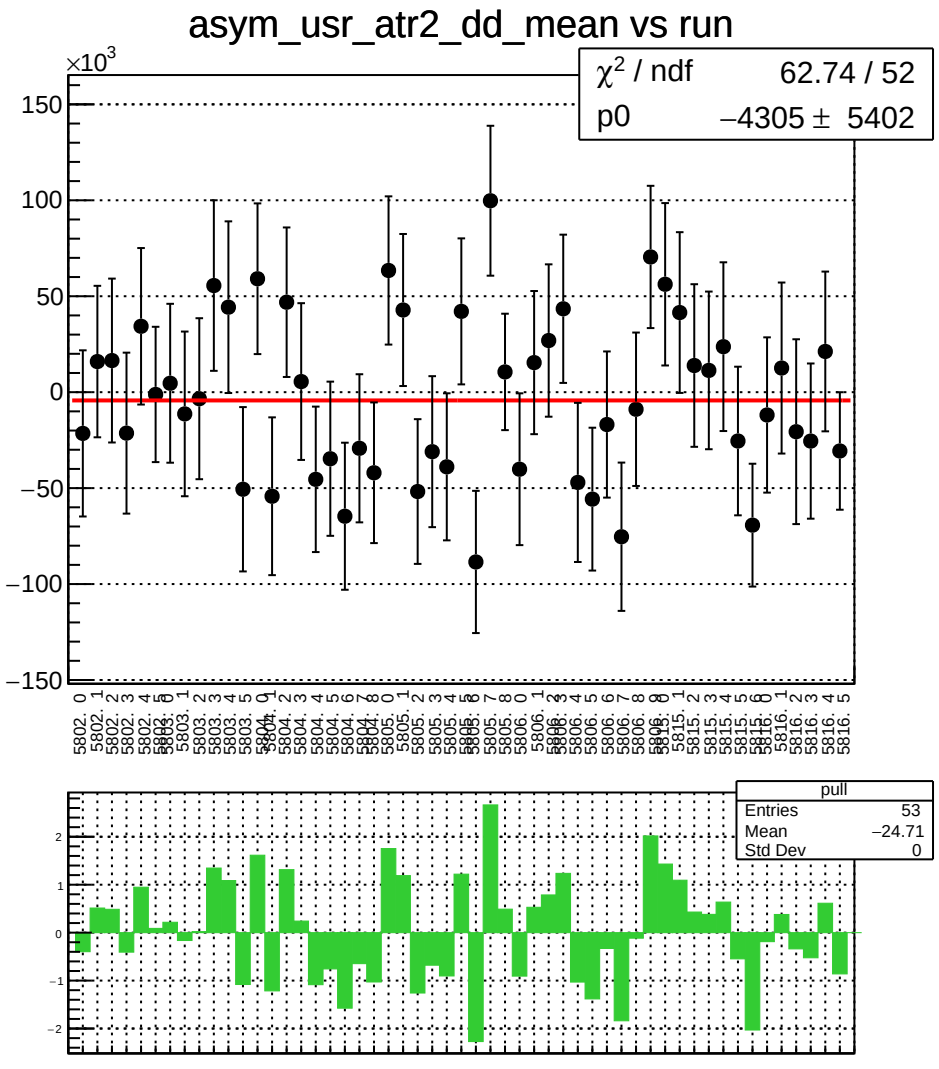

pull1D
Entries 53
Mean −0.005612
Std Dev 0.9738
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

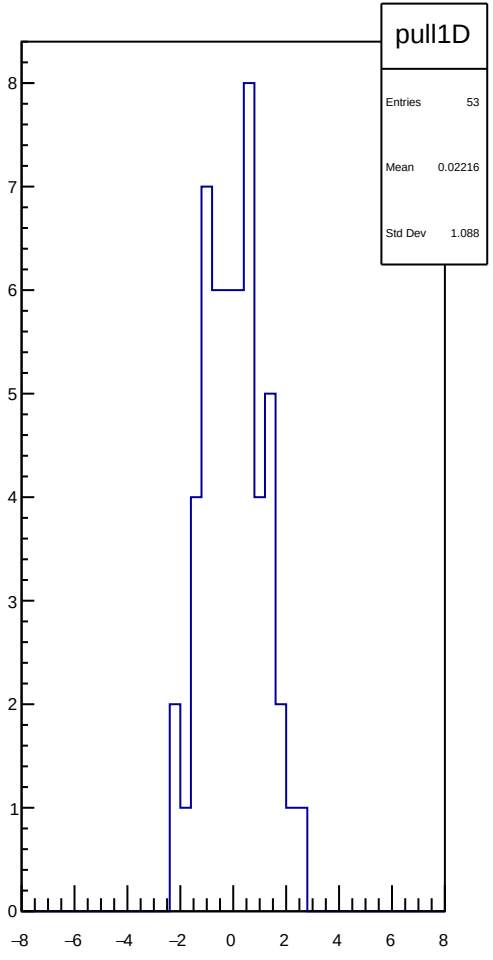

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 96.77 / 52
p0 1247 ± 1.246
1300
1290
1280
1270
1260
1250
1240
1230
1220
1210

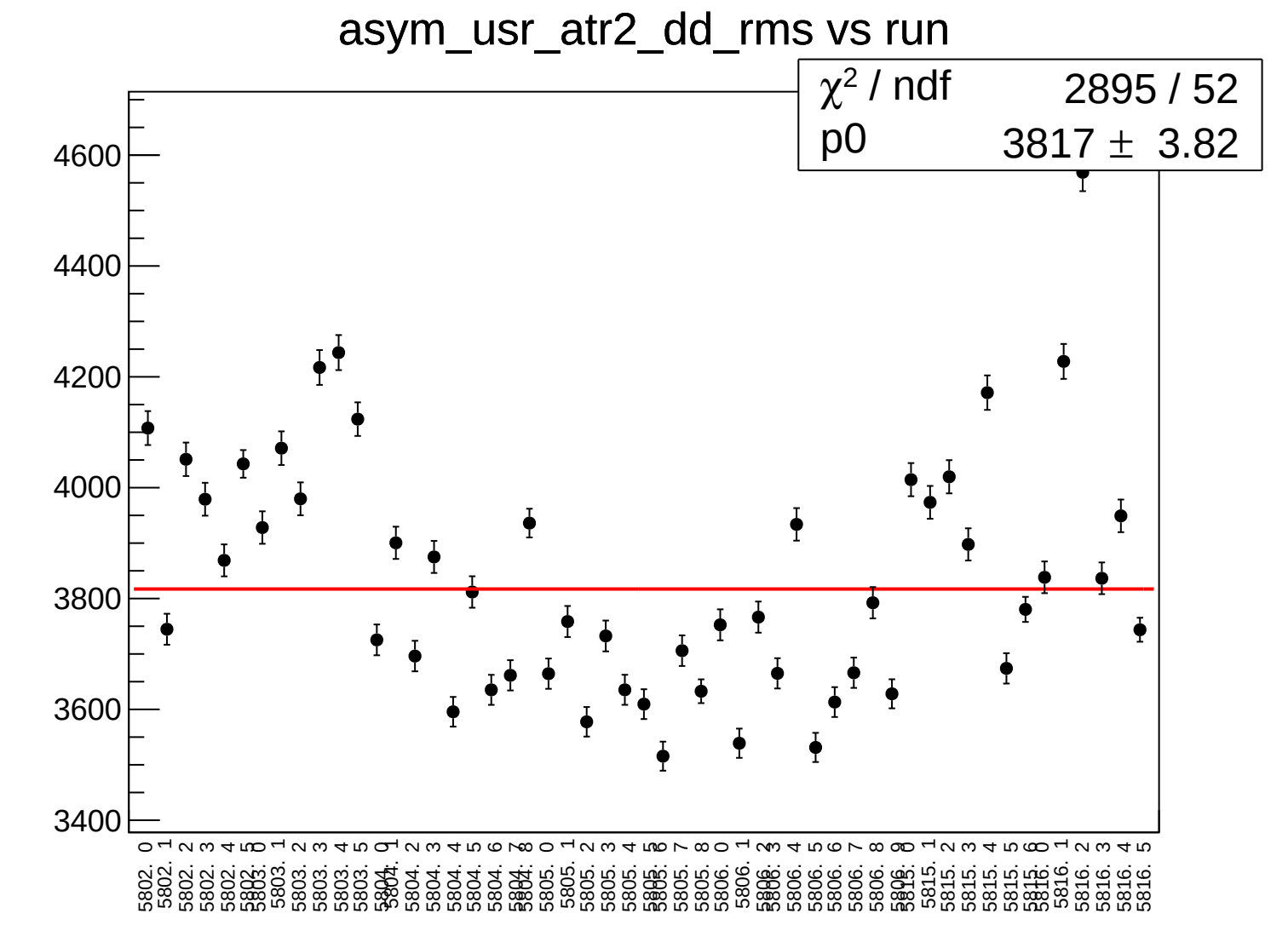

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
χ² / ndf 64.91 / 52
p0 2588 ± 5099
pull
Entries 53
Mean −61.4
Std Dev 0

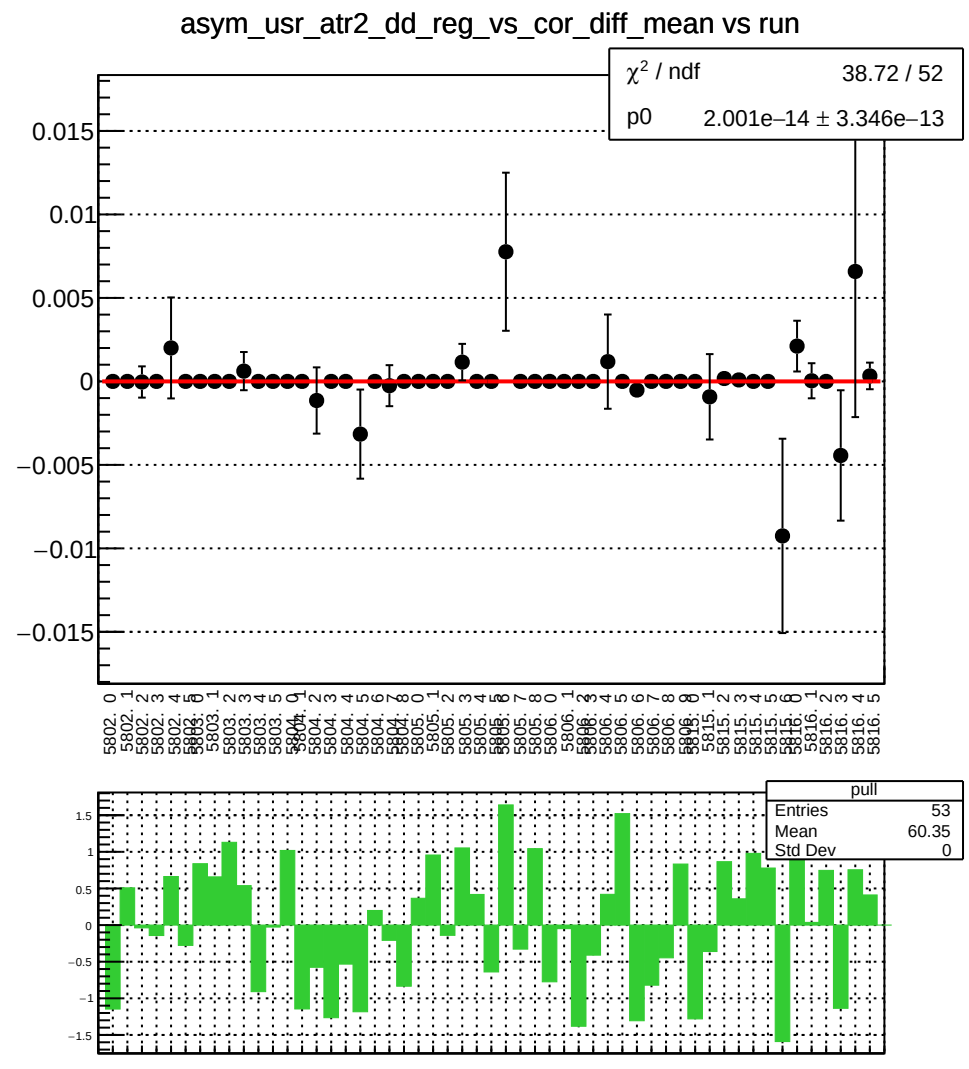

pull1D
Entries 53
Mean −0.02638
Std Dev 1.106

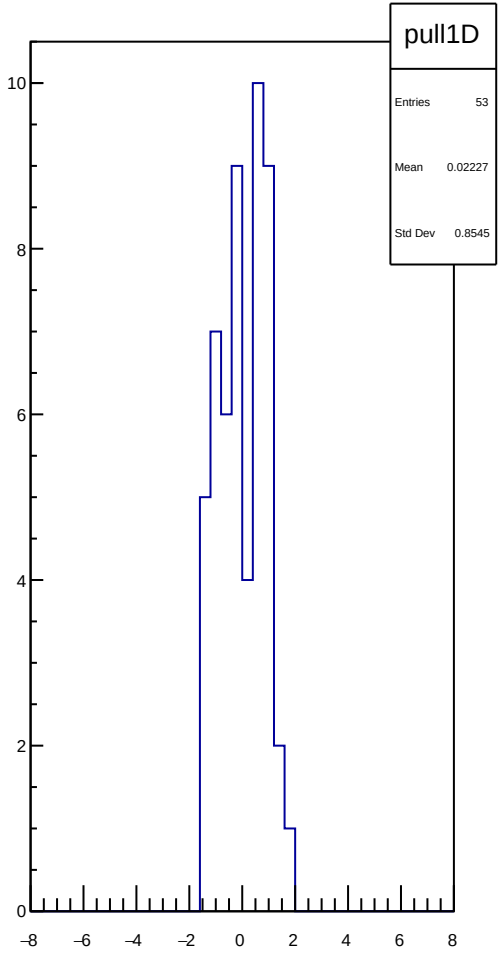

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4481 / 52
p0 3600 ± 3.606
4400
4200
4000
3800
3600
3400
3200

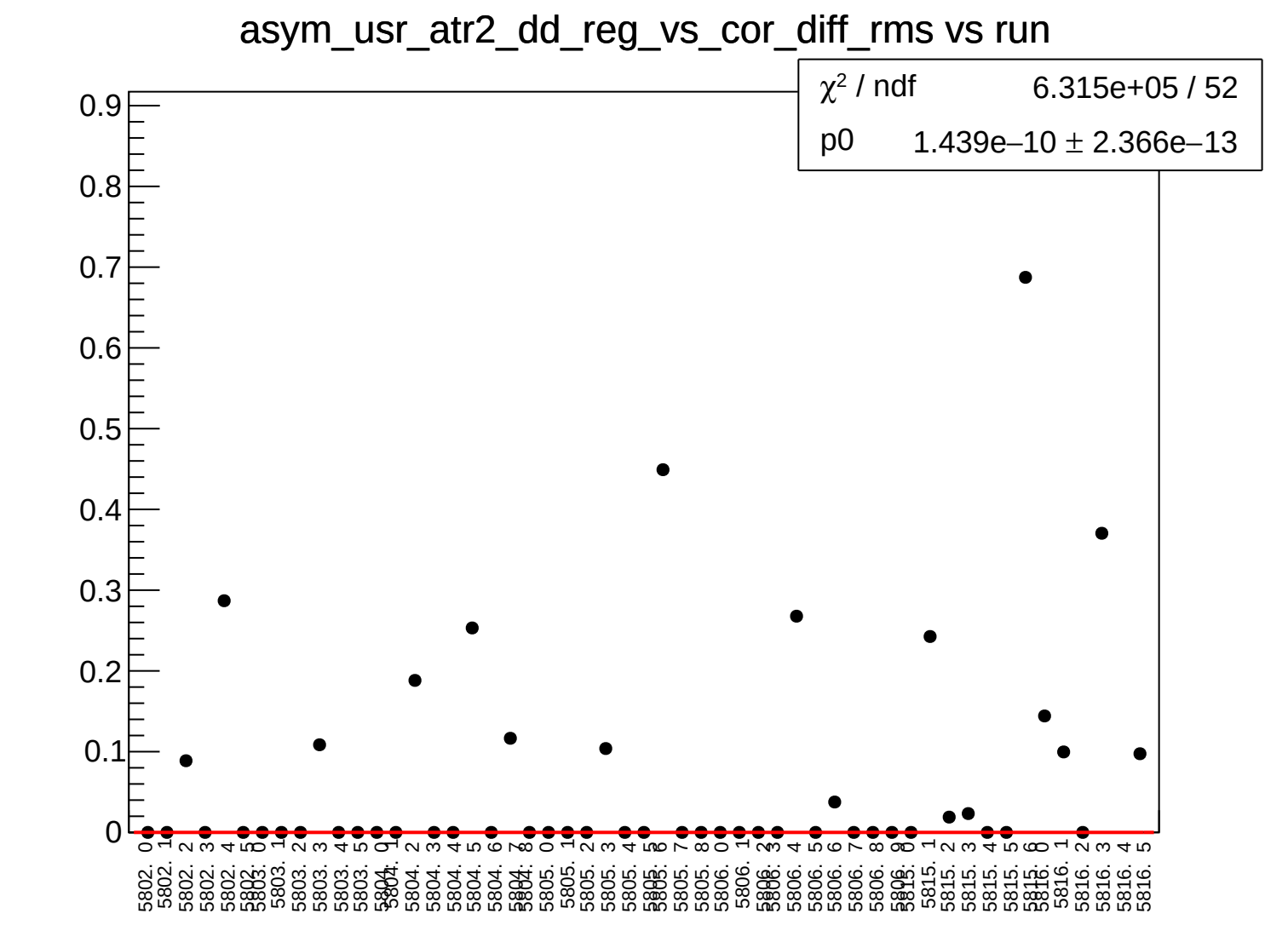

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 62.74 / 52
p0 −4305 ± 5402
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −24.71
Std Dev 0
2
1
0
−1
−2

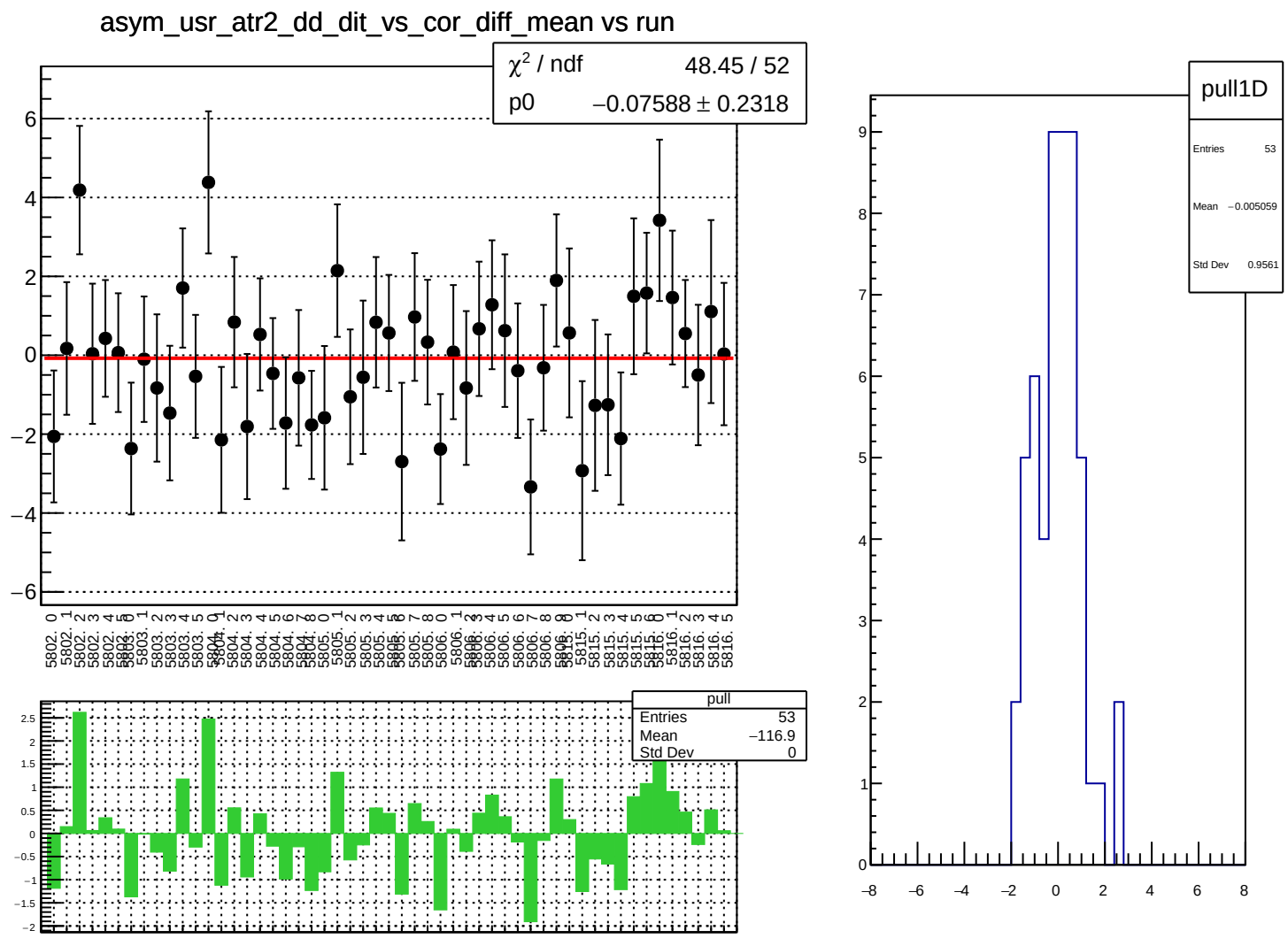

pull1D
Entries 53
Mean 0.02216
Std Dev 1.088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

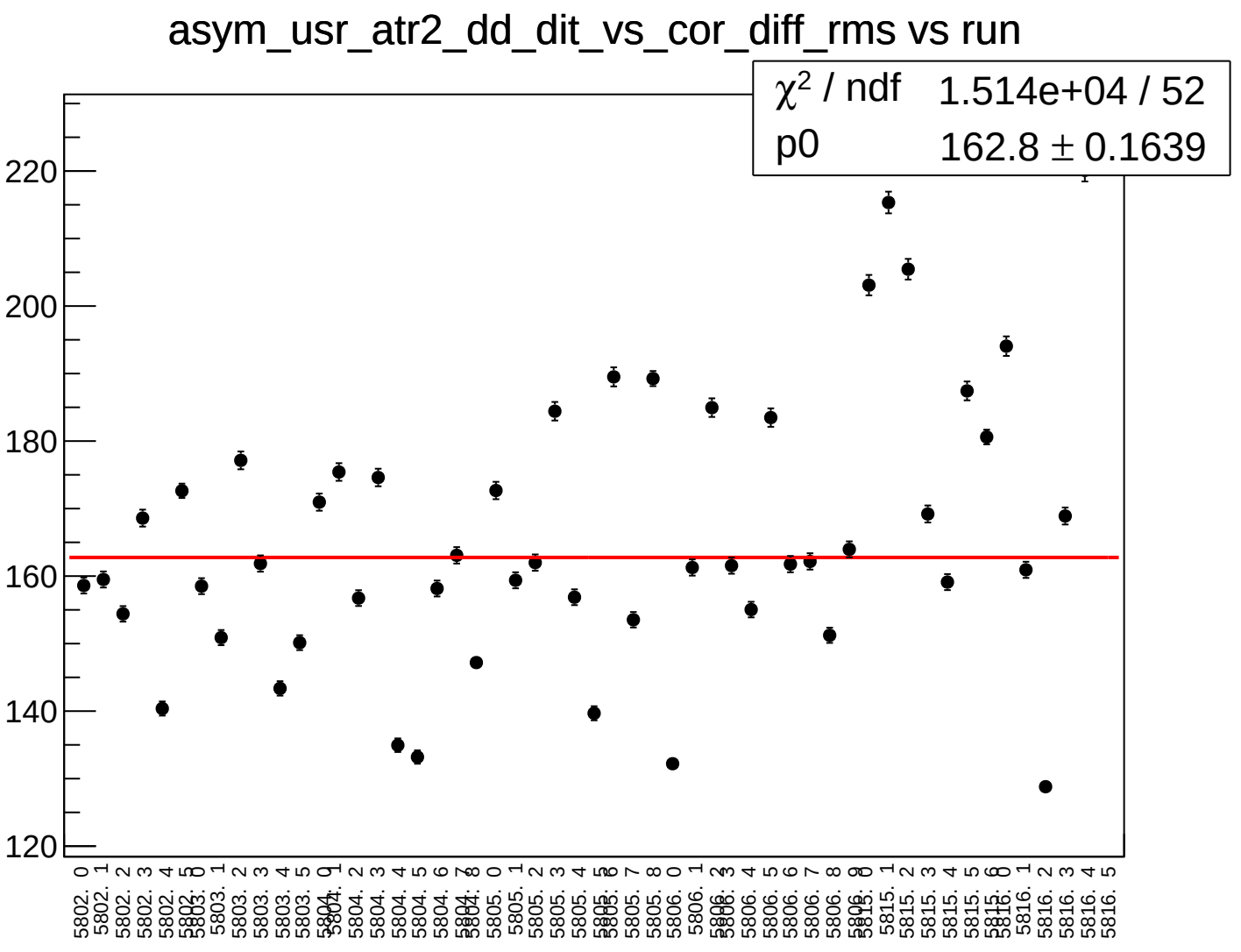

asym_usr_atr2_dd_rms vs run
χ² / ndf 2895 / 52
p0 3817 ± 3.82
4600
4400
4200
4000
3800
3600
3400

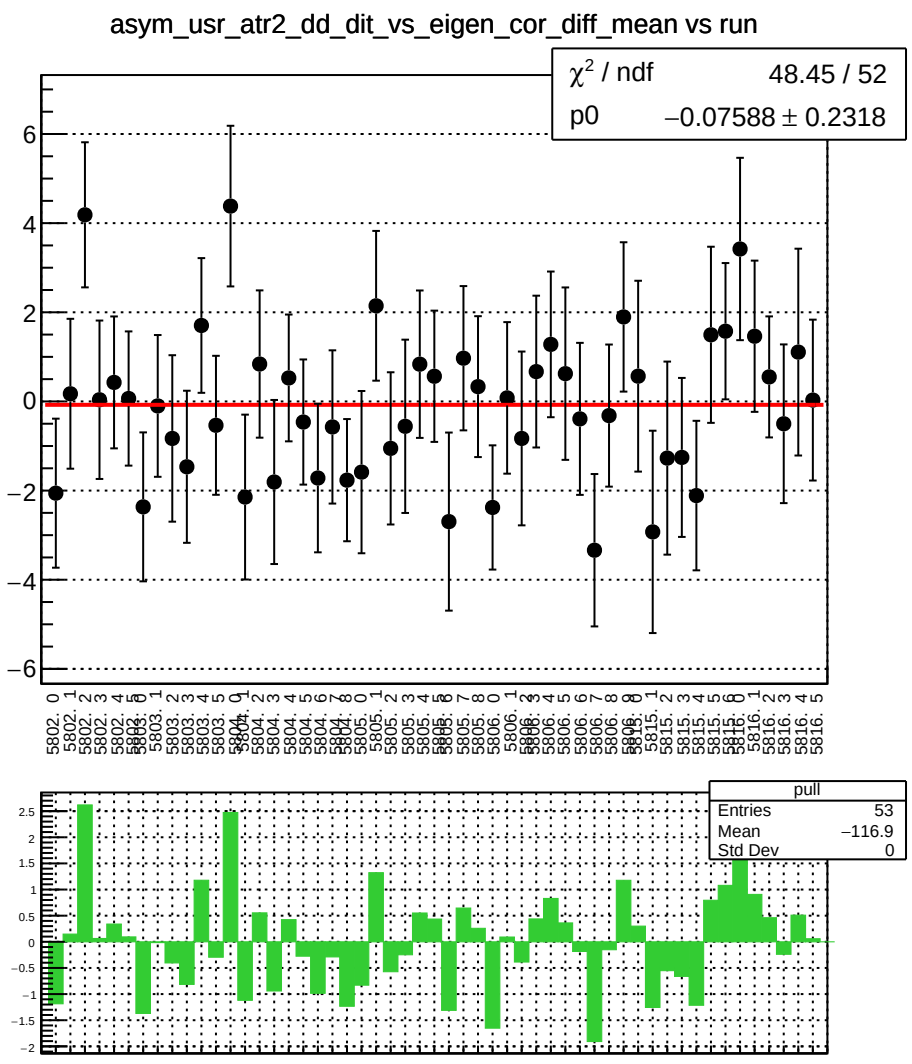

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 38.72 / 52
p0 2.001e−14 ± 3.346e−13
pull
Entries 53
Mean 60.35
Std Dev 0

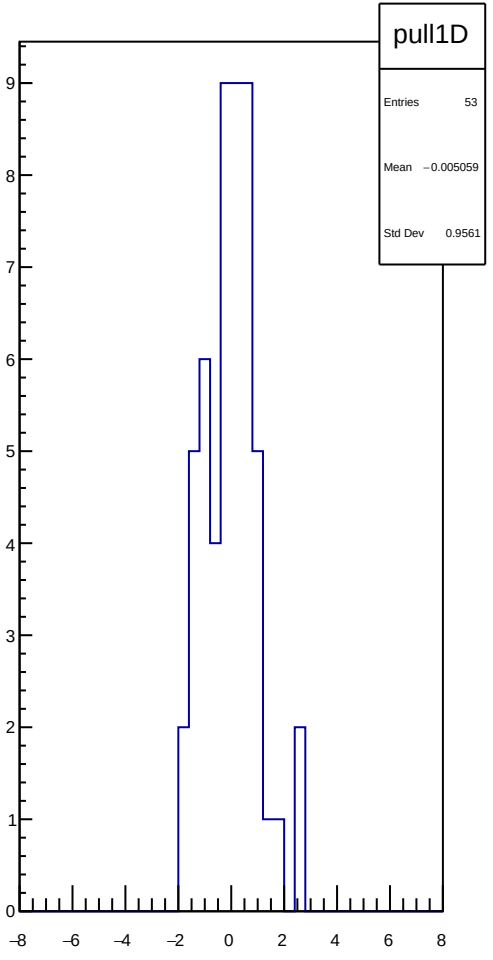

pull1D
Entries 53
Mean 0.02227
Std Dev 0.8545

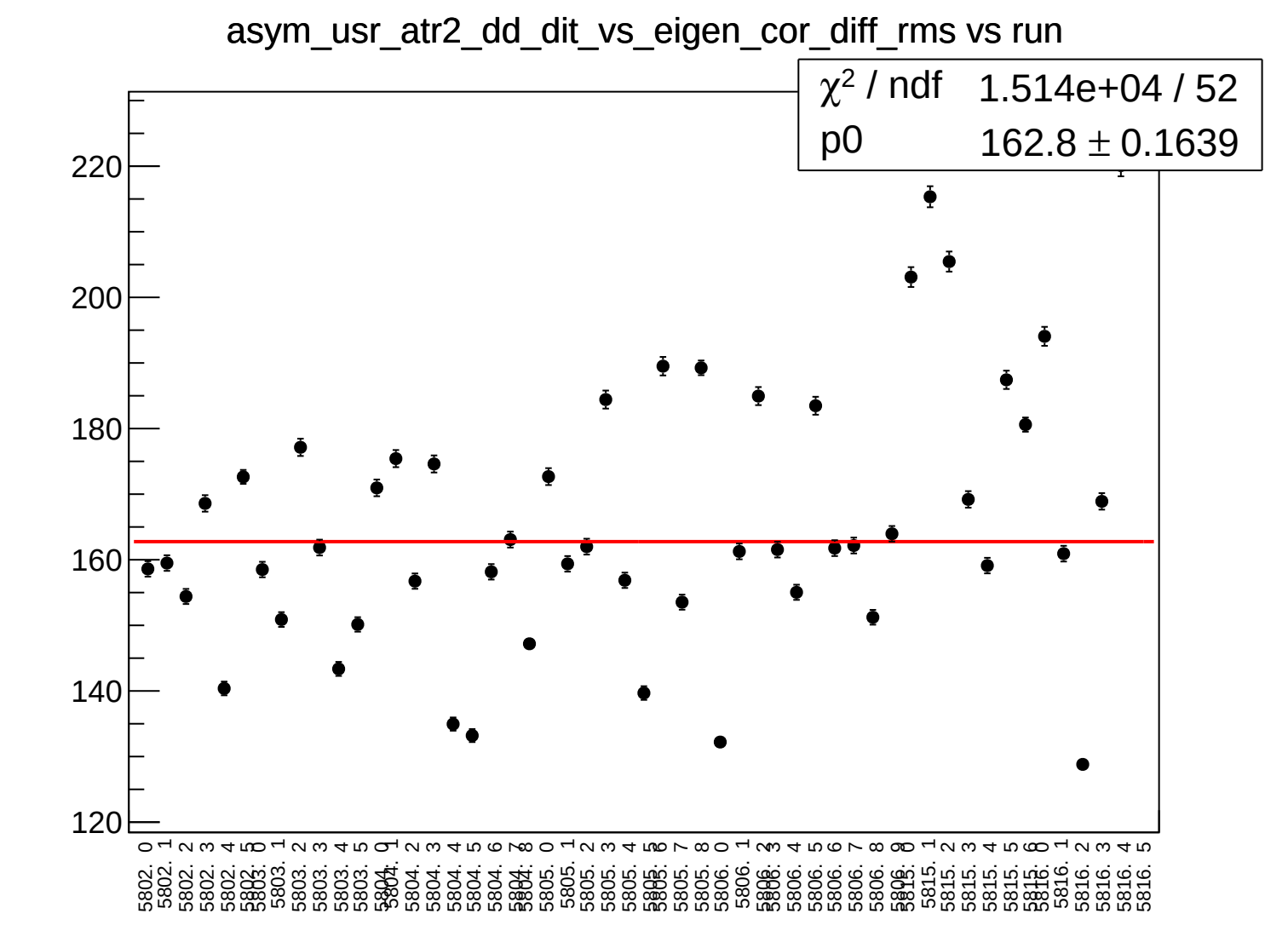

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.315e+05 / 52
p0 1.439e−10 ± 2.366e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

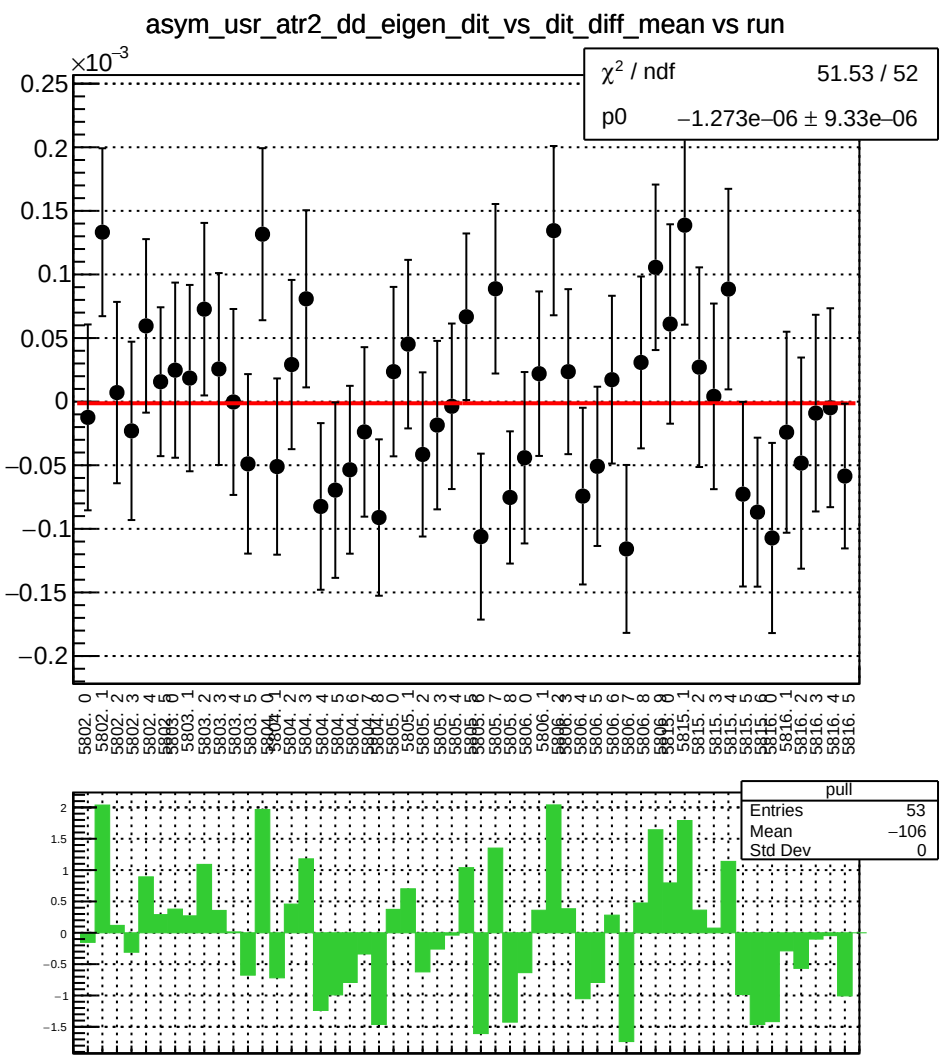

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.45 / 52
p0 −0.07588 ± 0.2318
pull
Entries 53
Mean −116.9
Std Dev 0
pull1D
Entries 53
Mean −0.005059
Std Dev 0.9561

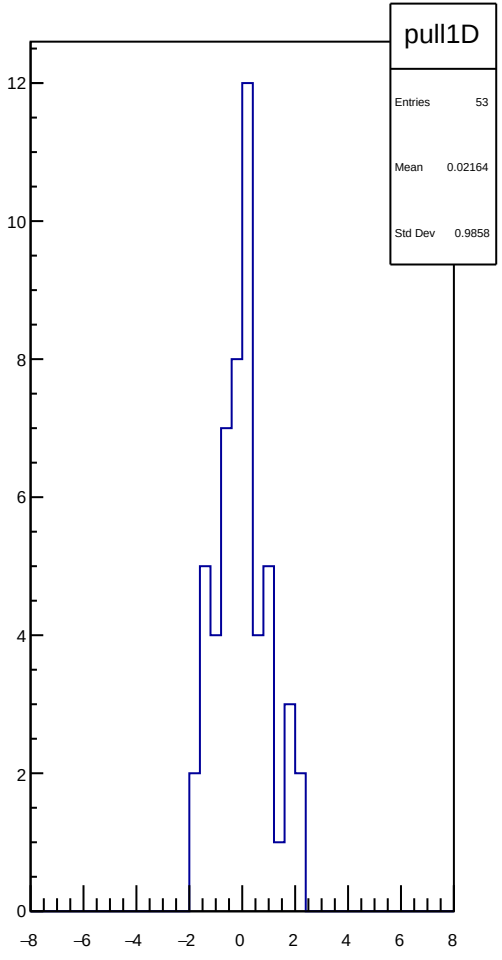

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.514e+04 / 52
p0 162.8 ± 0.1639
220
200
180
160
140
120

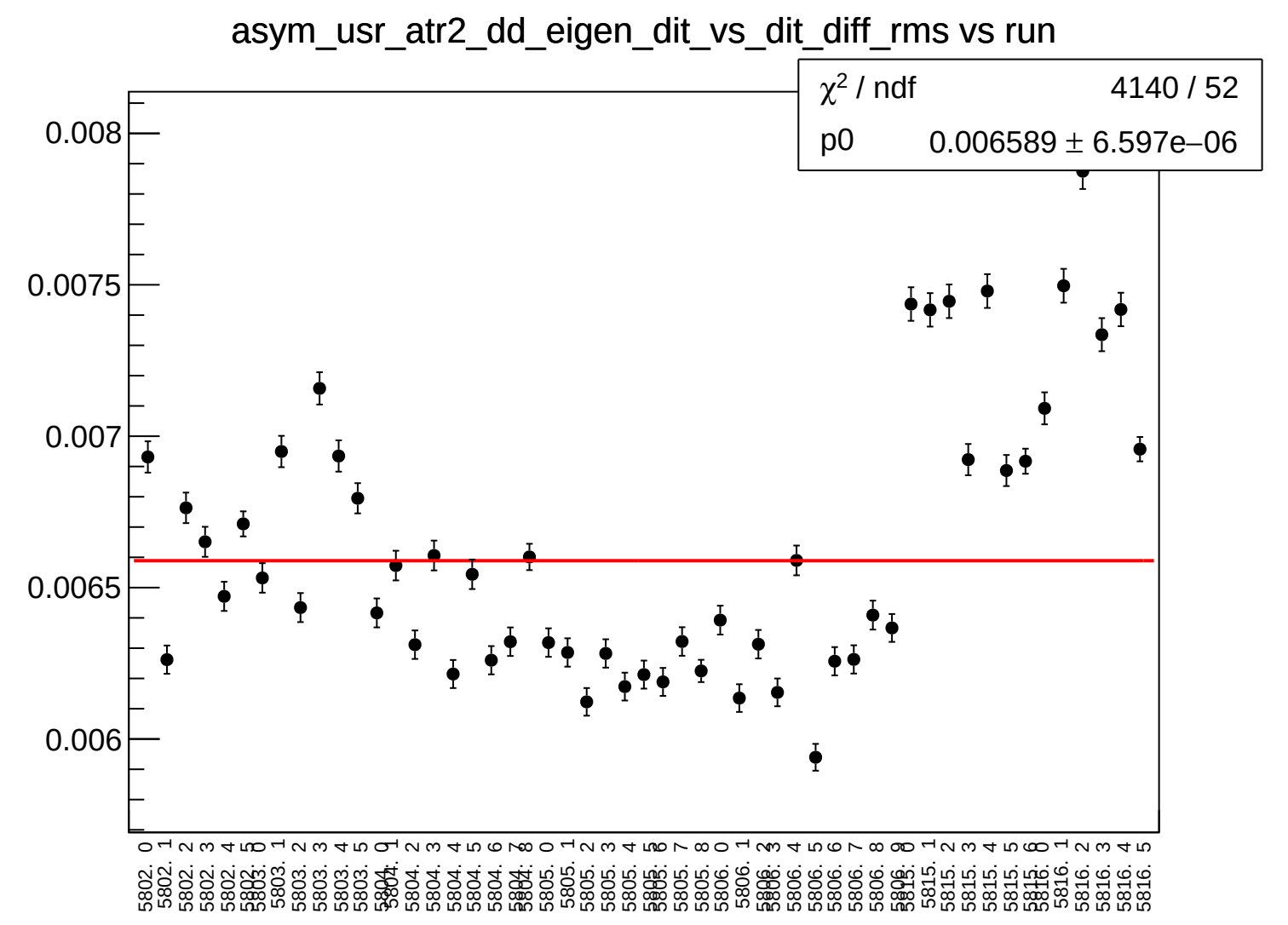

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.45 / 52
p0 −0.07588 ± 0.2318
pull
Entries 53
Mean −116.9
Std Dev 0

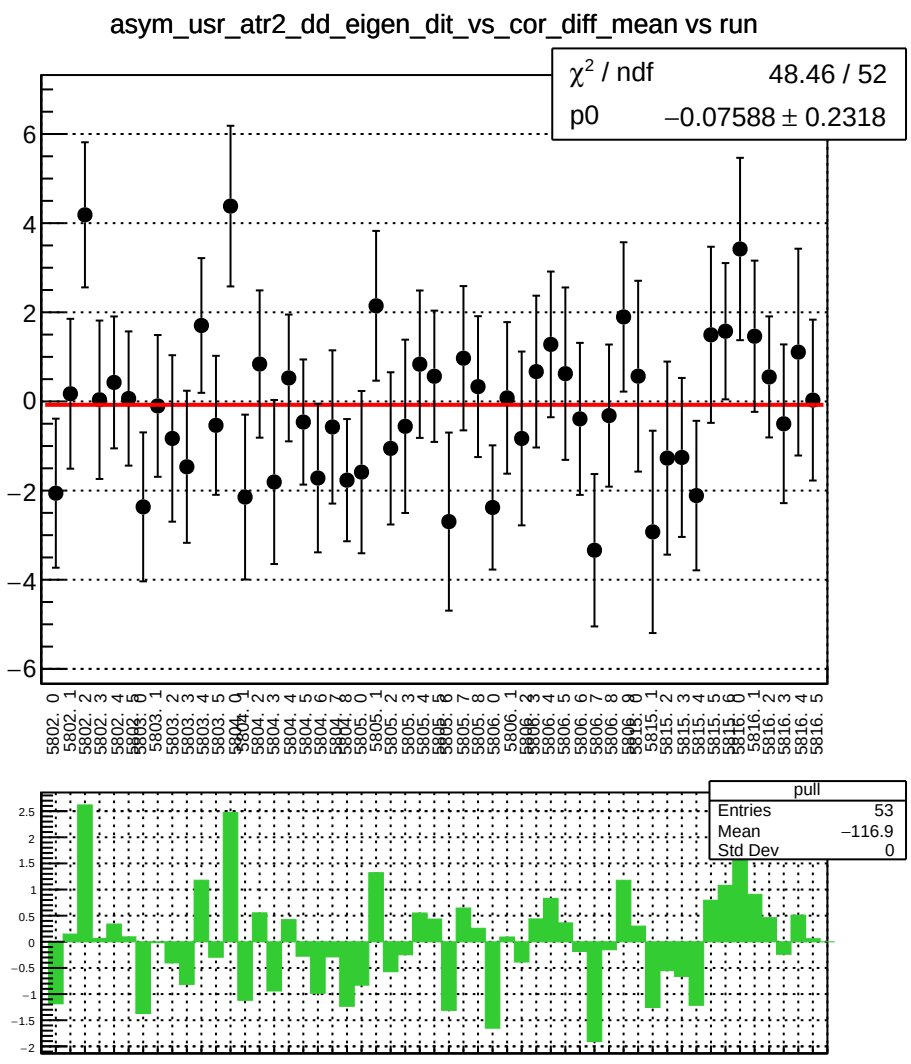

pull1D
Entries 53
Mean −0.005059
Std Dev 0.9561

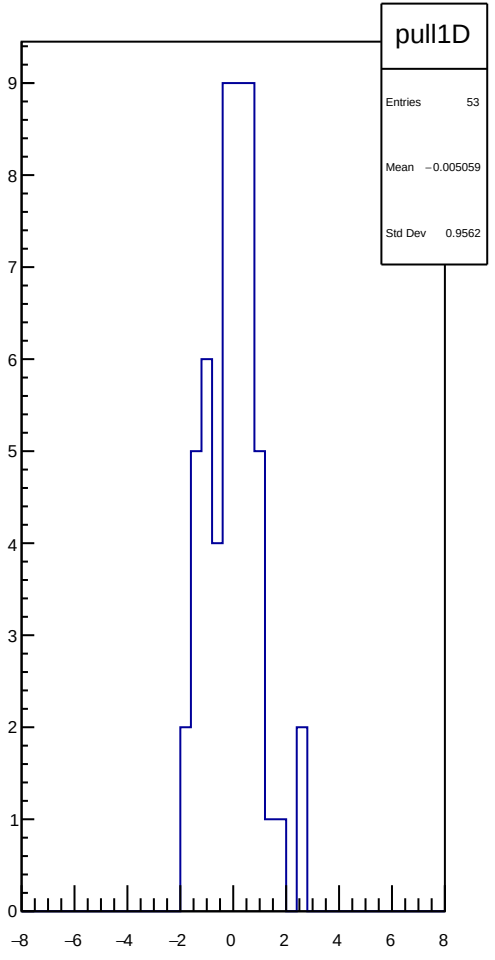

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.514e+04 / 52
p0 162.8 ± 0.1639
220
200
180
160
140
120
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

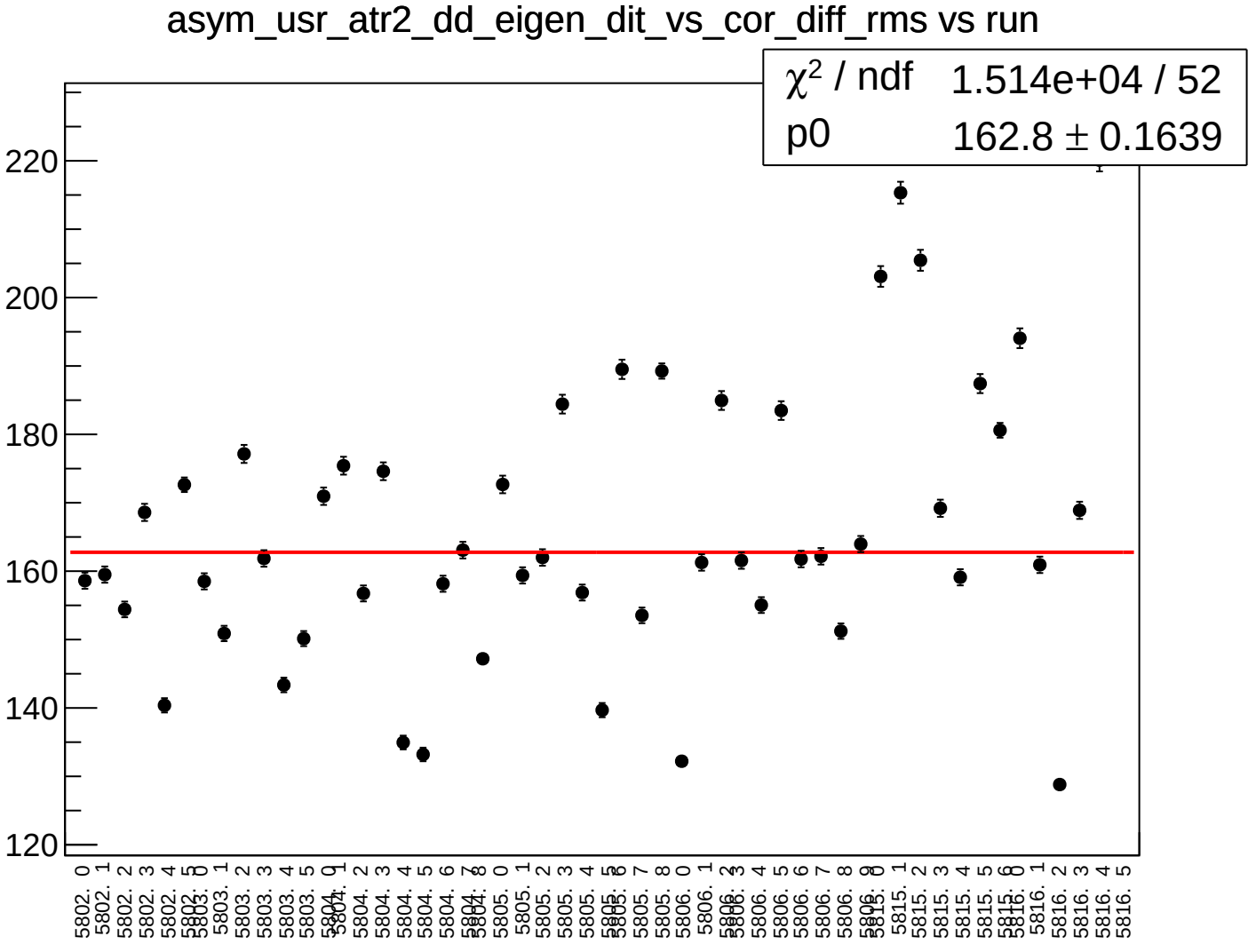

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.53 / 52
p0 −1.273e−06 ± 9.33e−06
pull
Entries 53
Mean −106
Std Dev 0

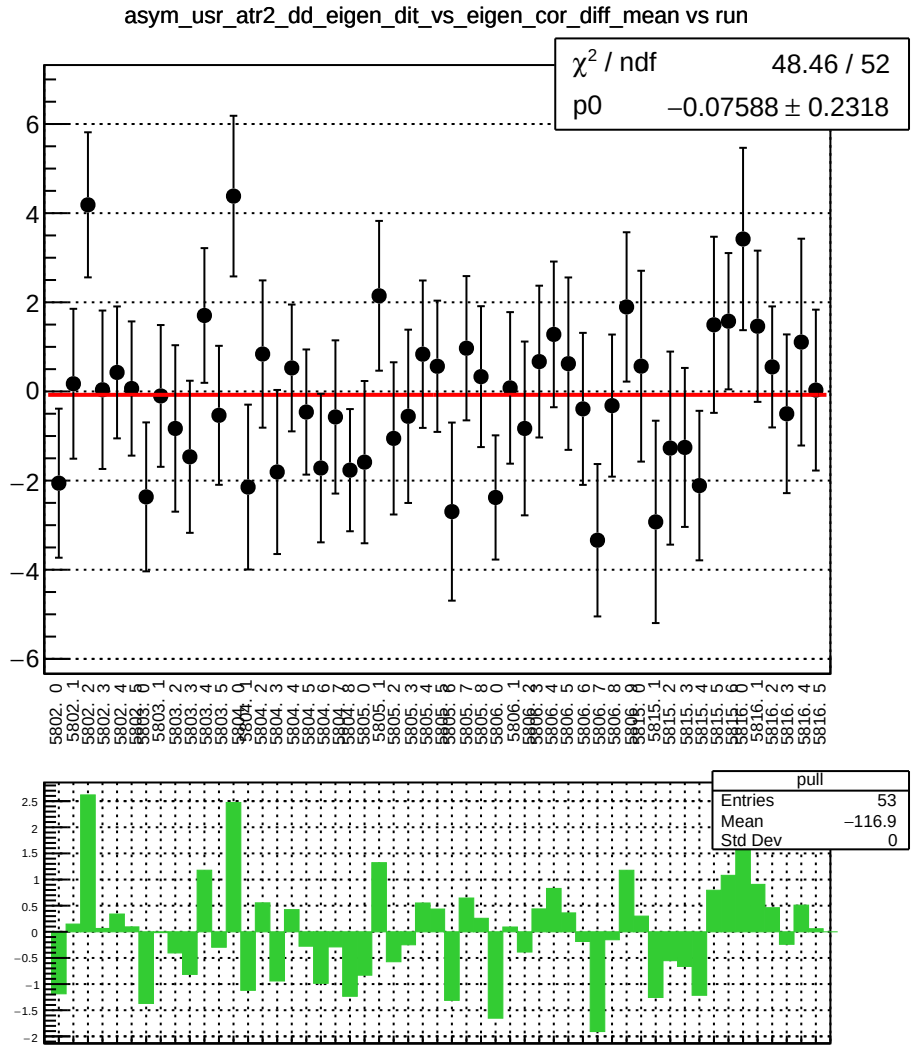

pull1D
Entries 53
Mean 0.02164
Std Dev 0.9858

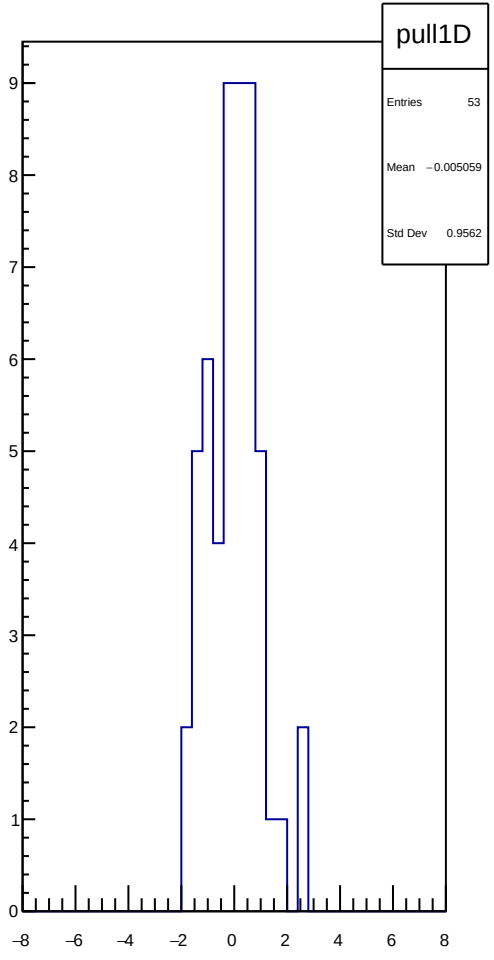

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4140 / 52
p0 0.006589 ± 6.597e−06
0.008
0.0075
0.007
0.0065
0.006

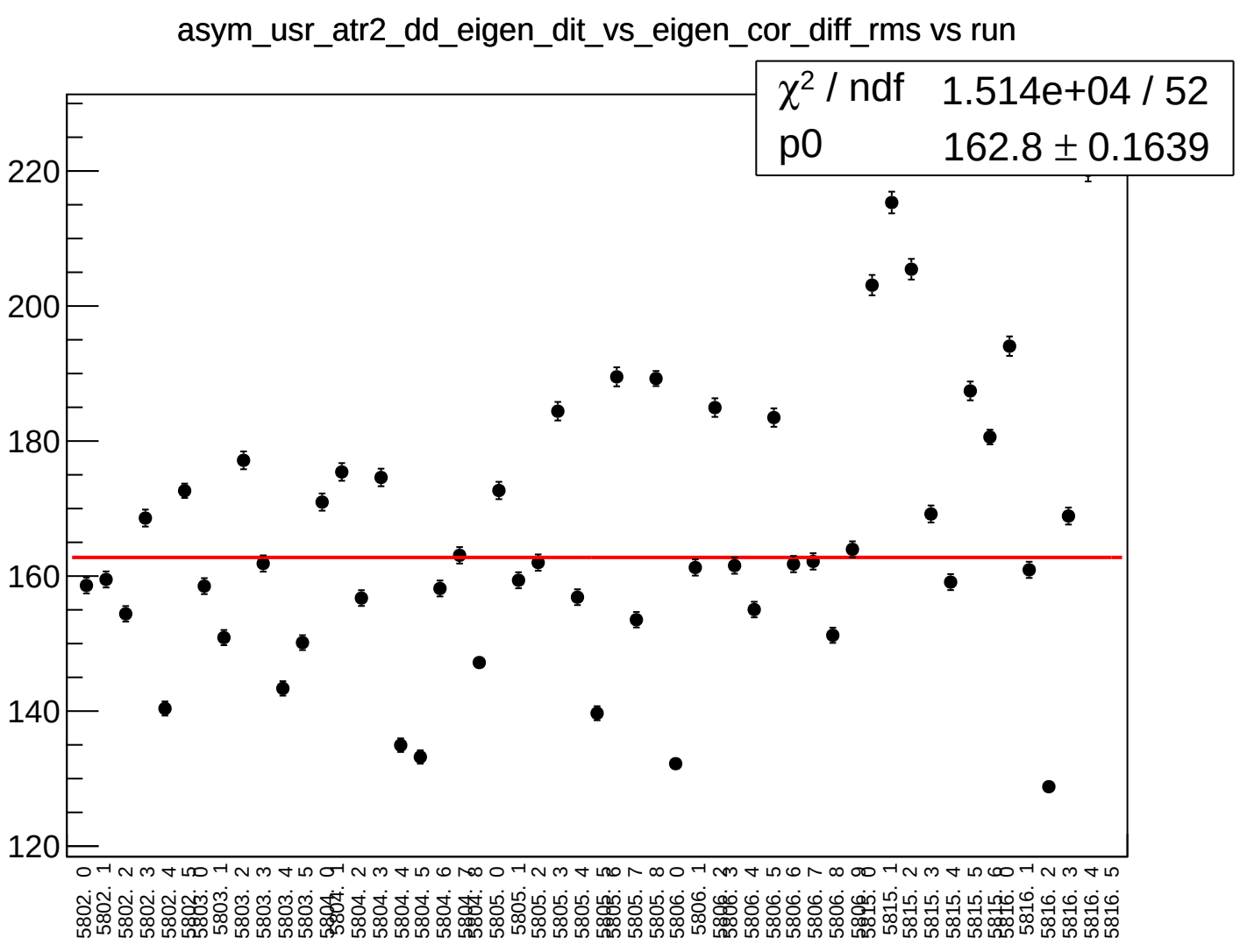

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.46 / 52
p0 −0.07588 ± 0.2318
pull
Entries 53
Mean −116.9
Std Dev 0

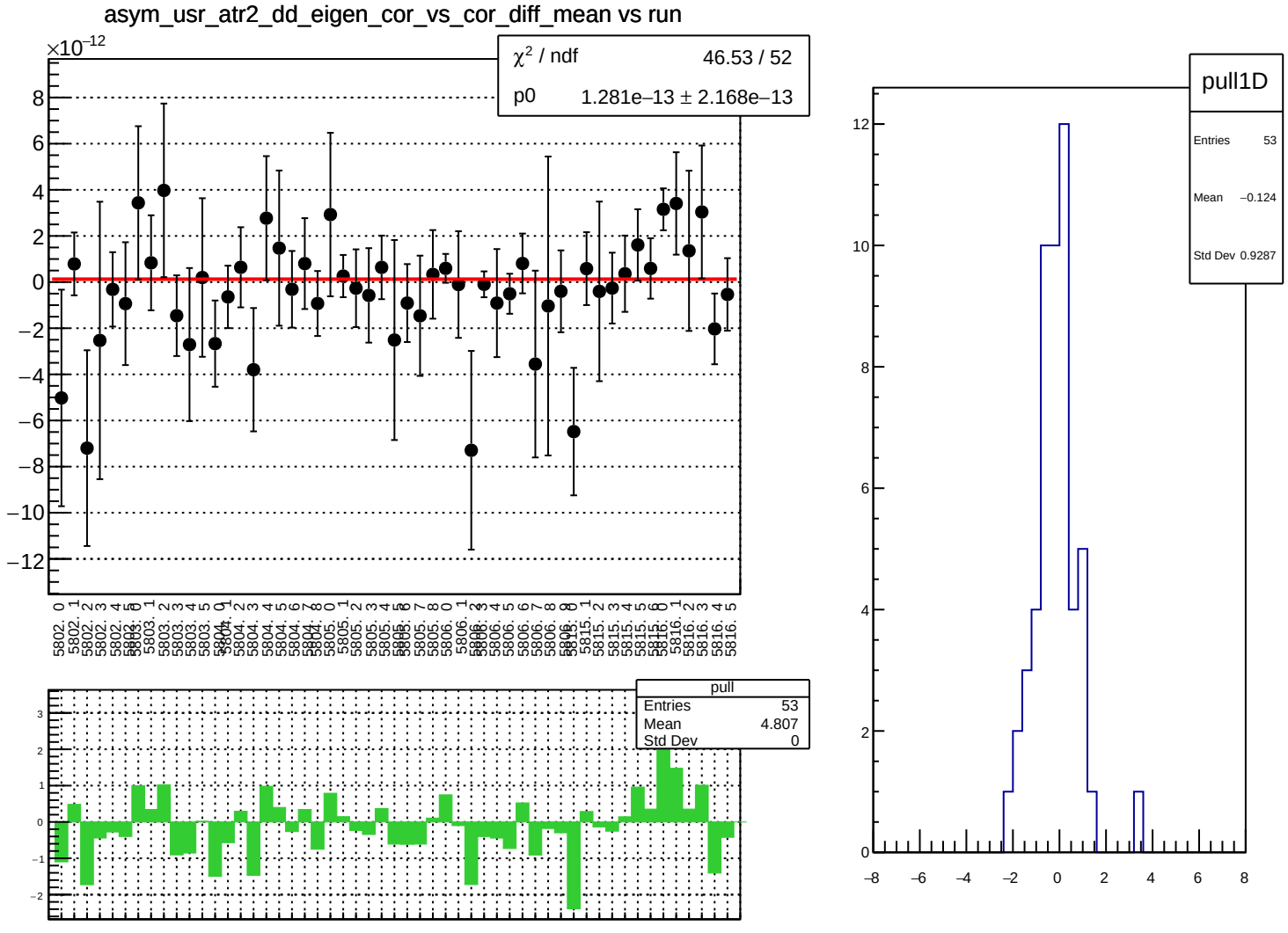

pull1D
Entries 53
Mean −0.005059
Std Dev 0.9562

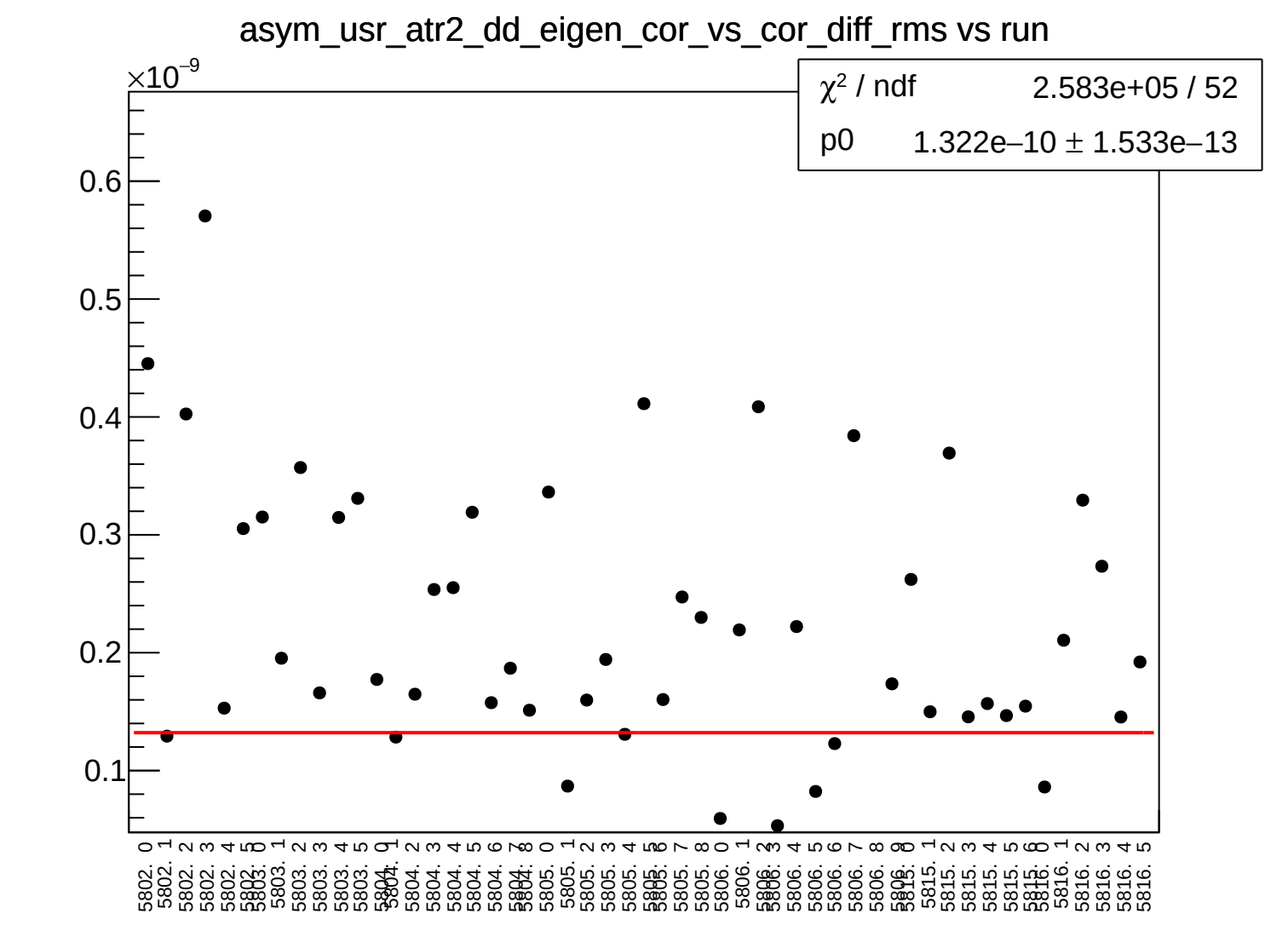

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.514e+04 / 52
p0 162.8 ± 0.1639
220
200
180
160
140
120

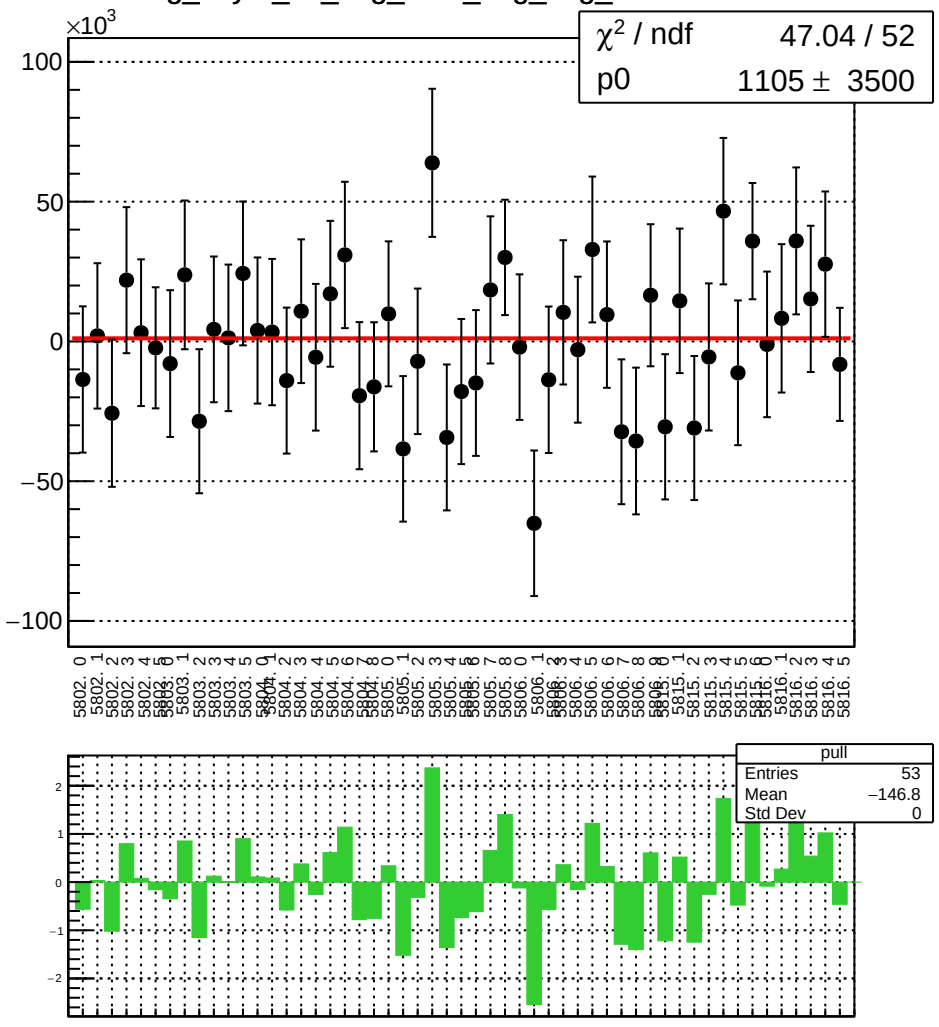

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.46 / 52
p0 −0.07588 ± 0.2318
pull
Entries 53
Mean −116.9
Std Dev 0

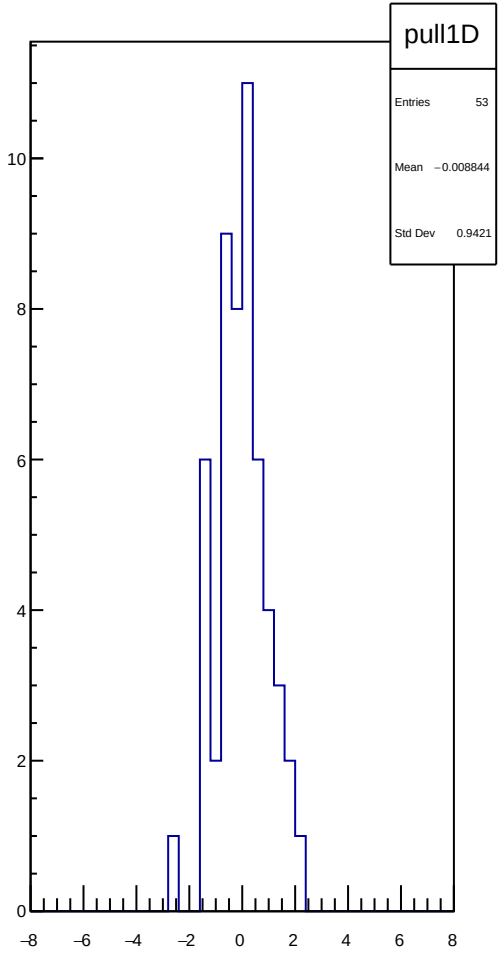

pull1D
Entries 53
Mean −0.005059
Std Dev 0.9562

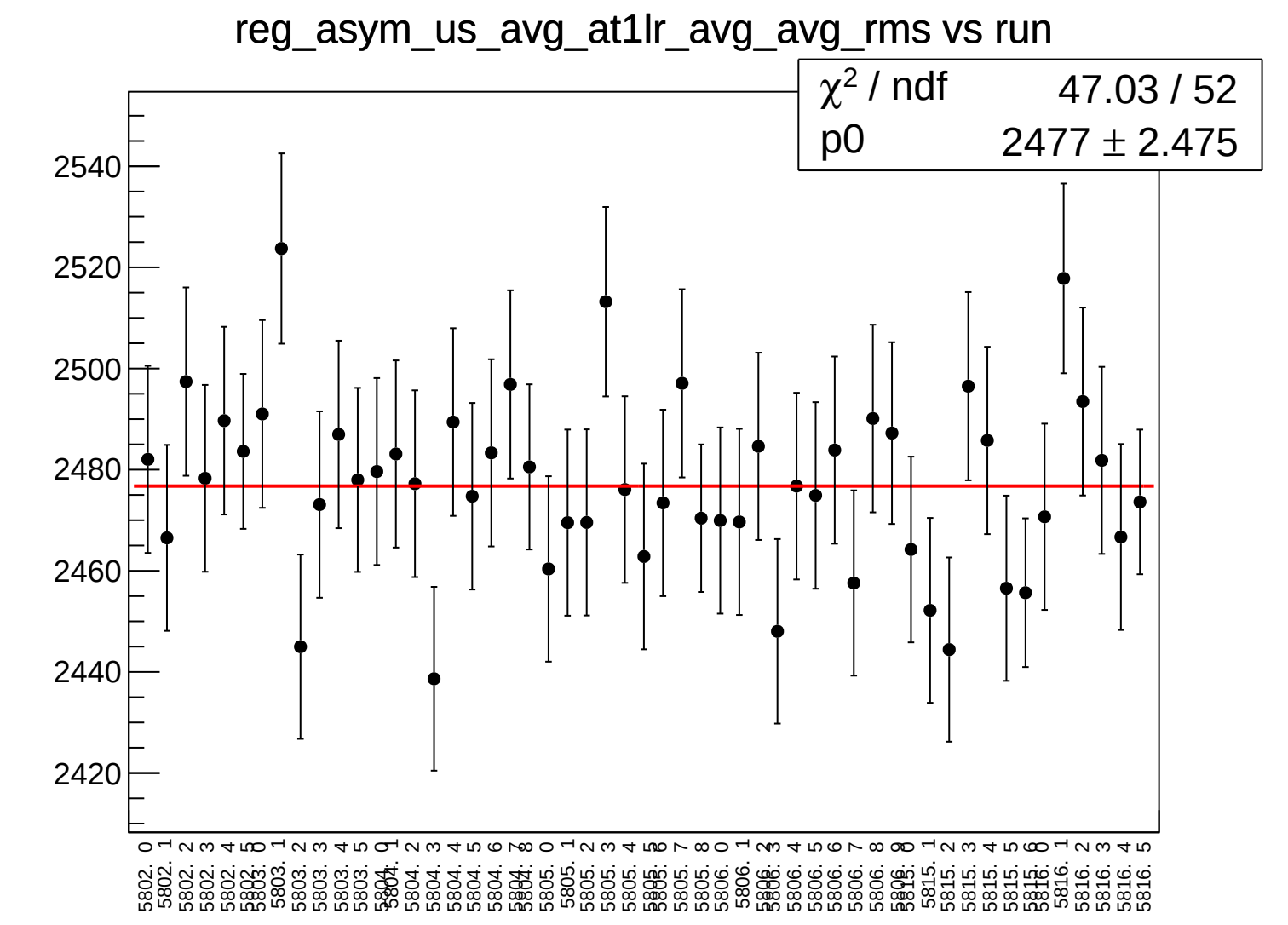

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.514e+04 / 52
p0 162.8 ± 0.1639
220
200
180
160
140
120

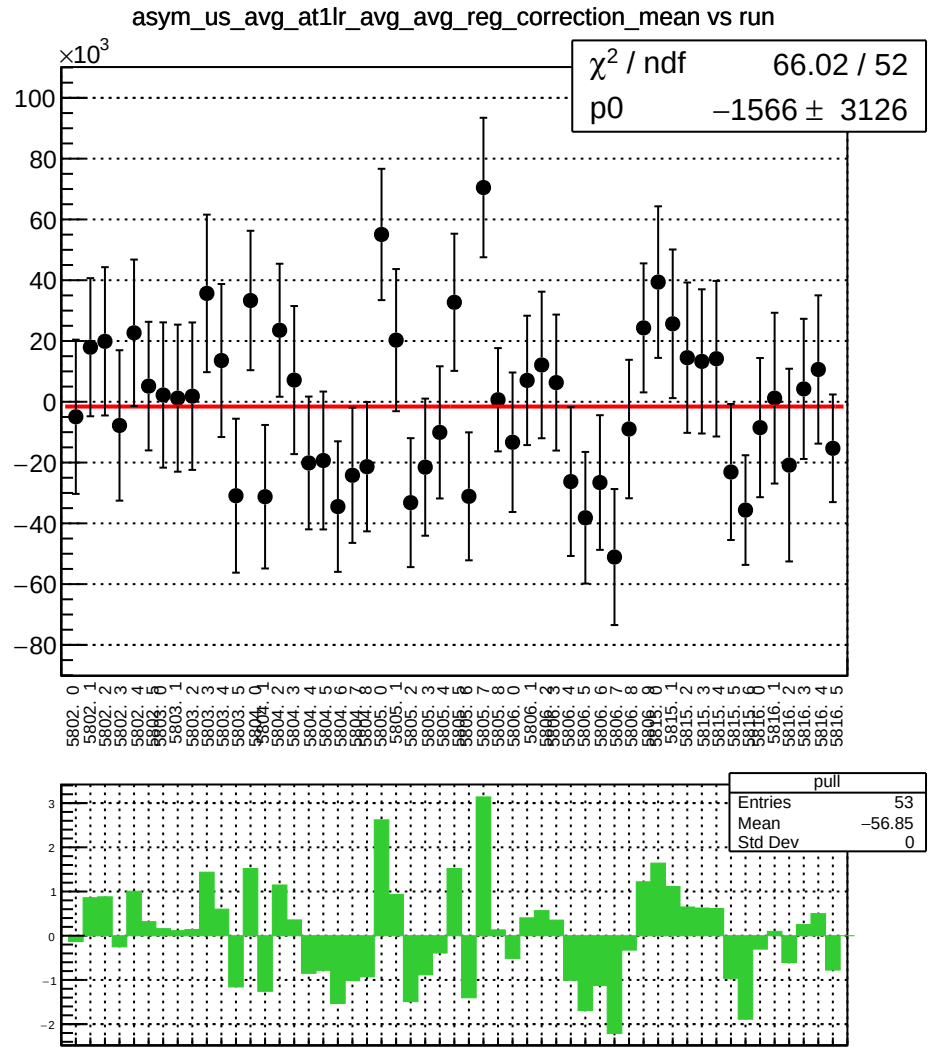

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.53 / 52
p0 1.281e−13 ± 2.168e−13
pull
Entries 53
Mean 4.807
Std Dev 0
pull1D
Entries 53
Mean −0.124
Std Dev 0.9287

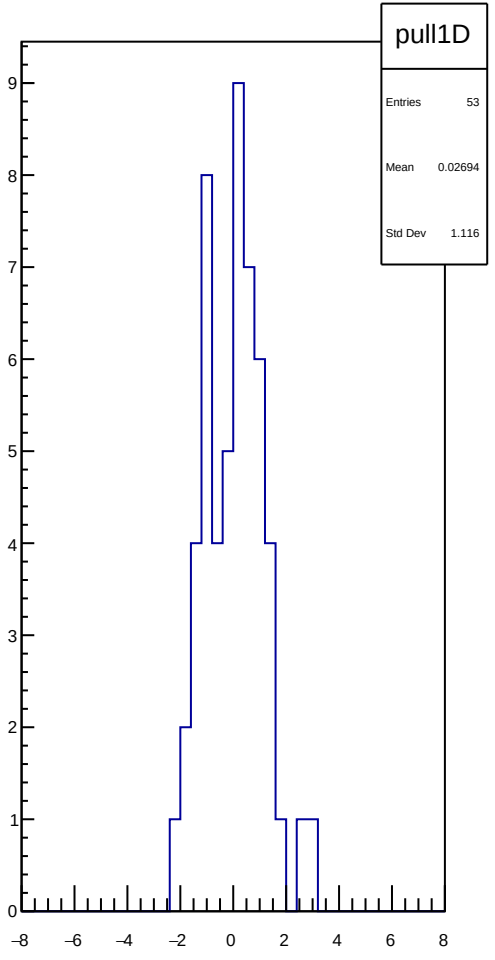

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.583e+05 / 52
p0 1.322e−10 ± 1.533e−13
0.6
0.5
0.4
0.3
0.2
0.1

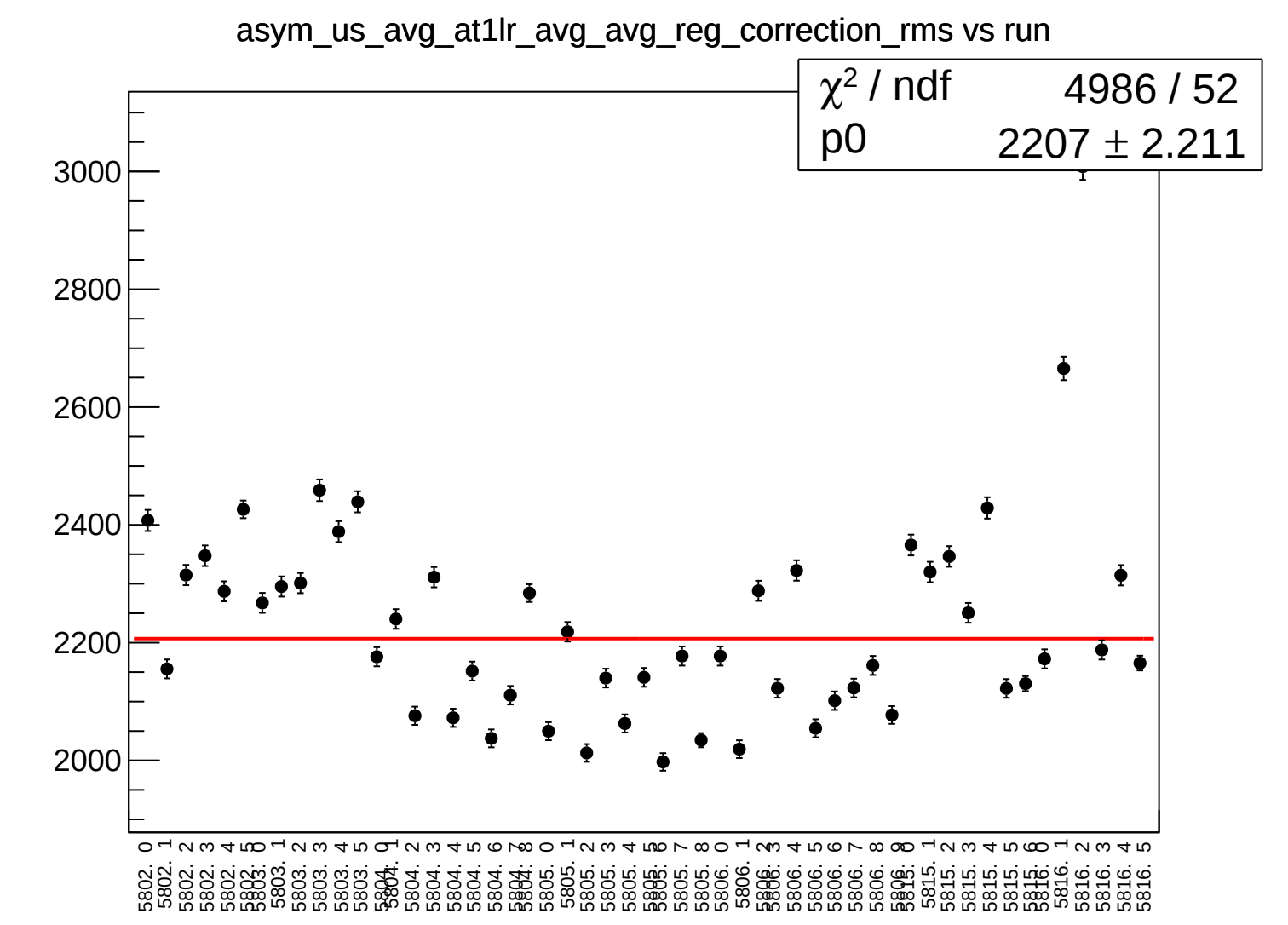

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.04 / 52
p0 1105 ± 3500
100
50
0
−50
−100
pull
Entries 53
Mean −146.8
Std Dev 0
2
1
0
−1
−2

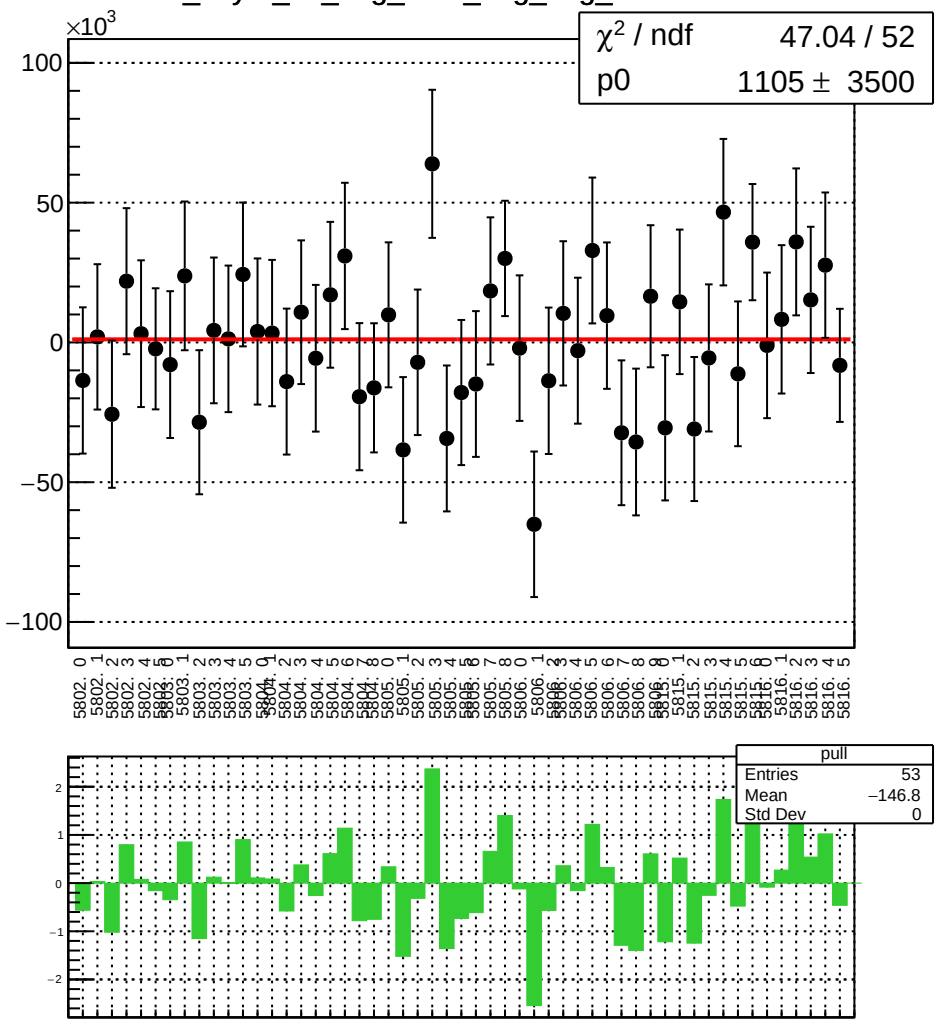

pull1D
Entries 53
Mean −0.008844
Std Dev 0.9421
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

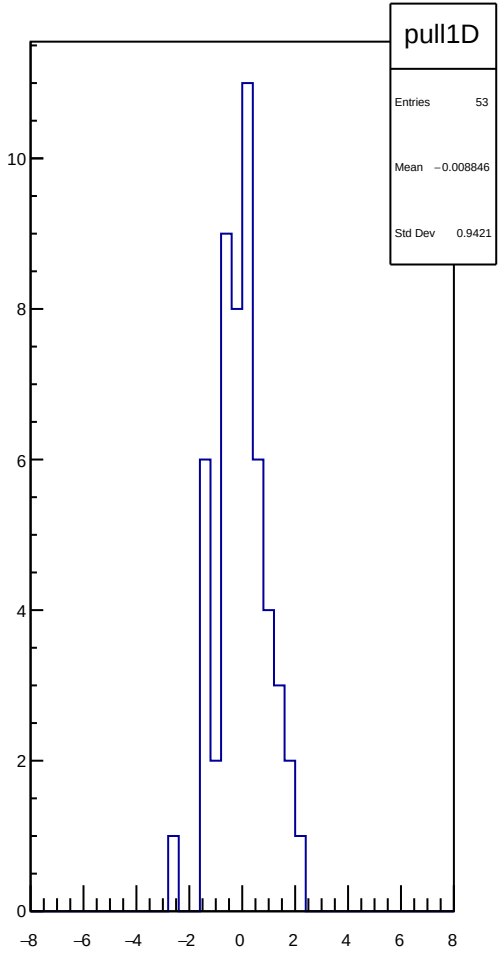

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 47.03 / 52
p0 2477 ± 2.475
2540
2520
2500
2480
2460
2440
2420

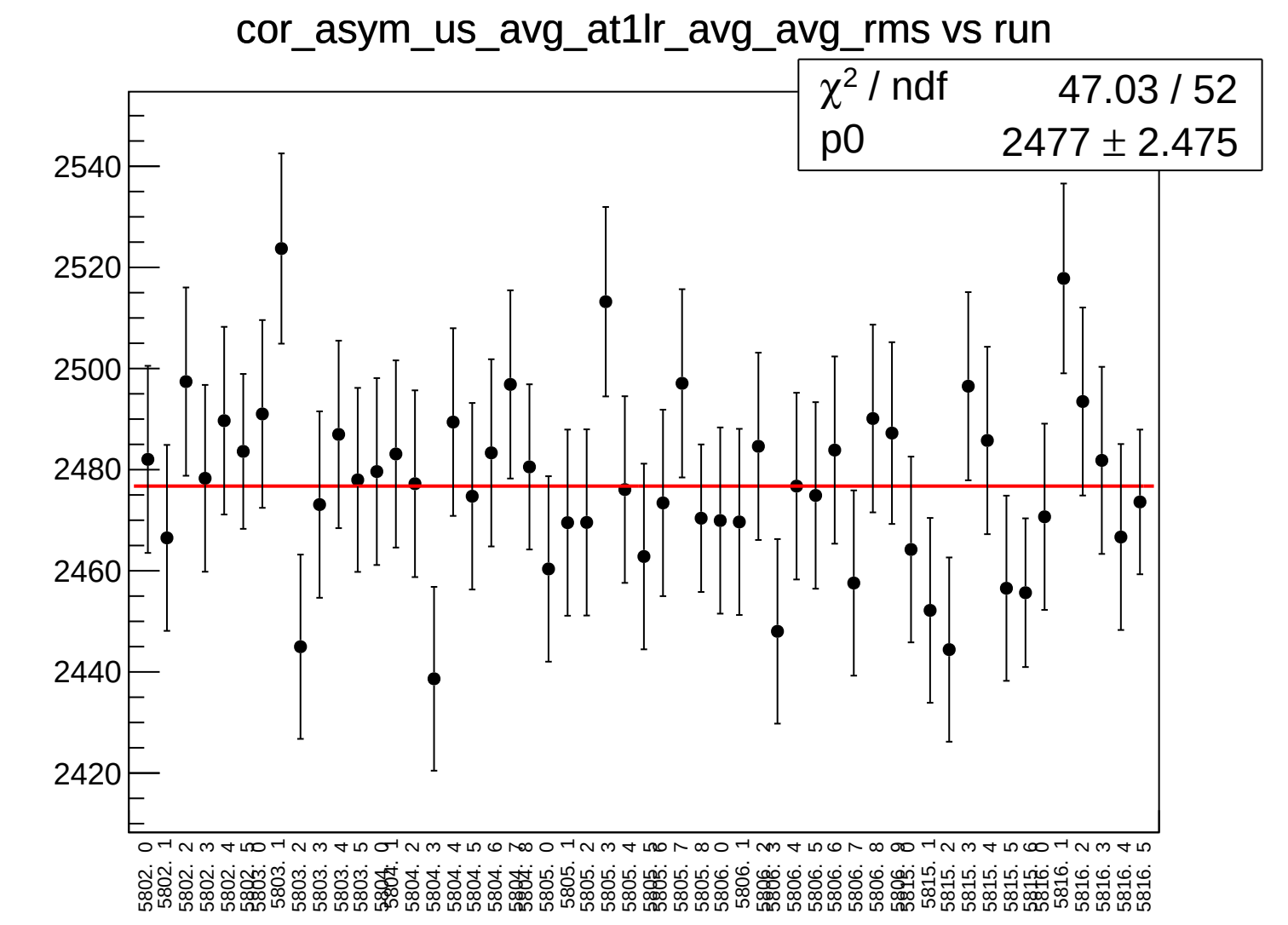

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 66.02 / 52
p0 −1566 ± 3126
pull
Entries 53
Mean −56.85
Std Dev 0

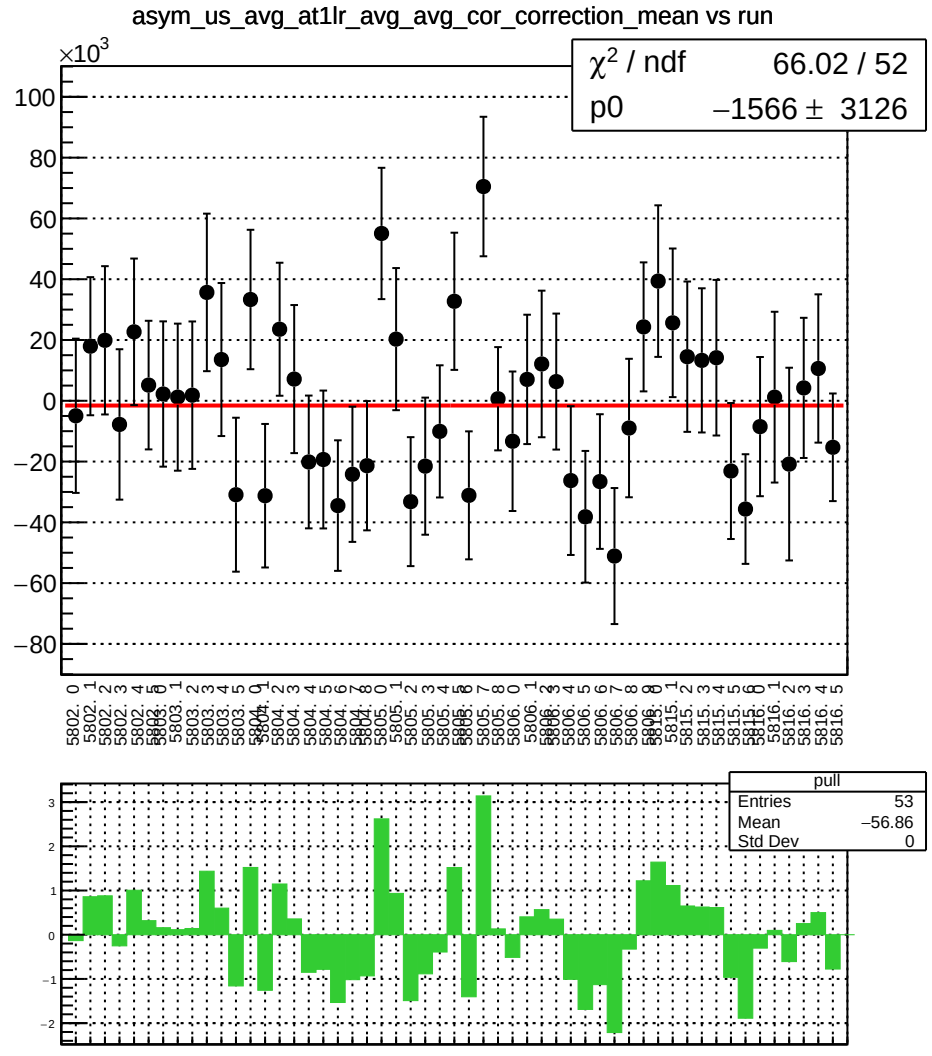

pull1D
Entries 53
Mean 0.02694
Std Dev 1.116

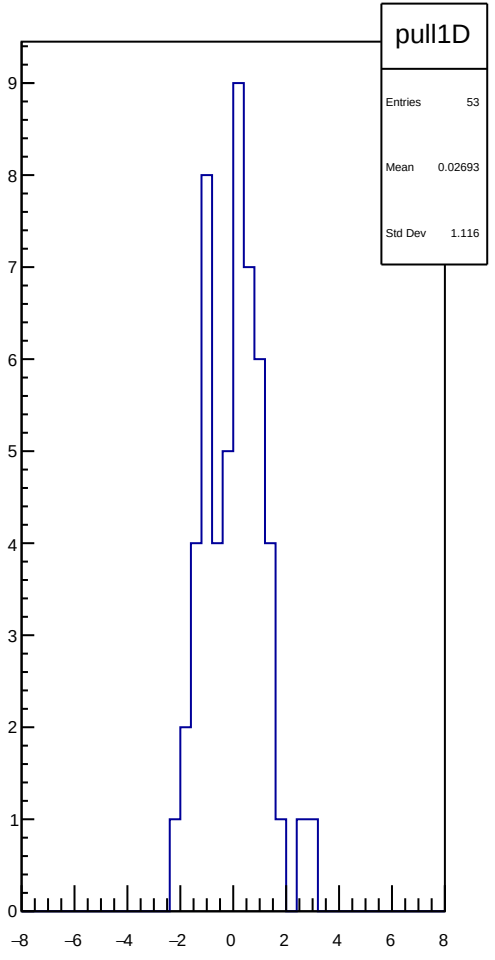

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4986 / 52
p0 2207 ± 2.211
3000
2800
2600
2400
2200
2000

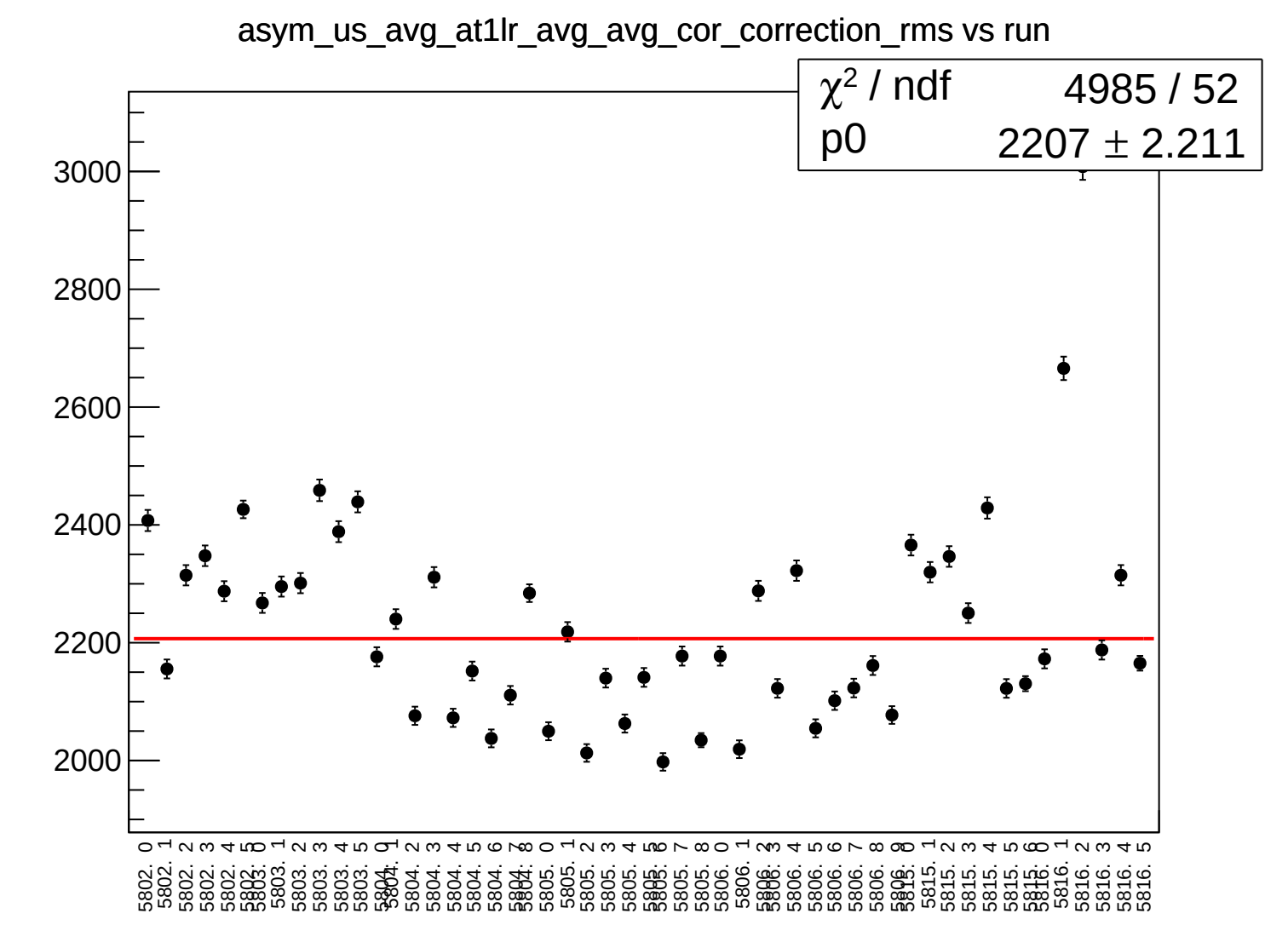

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.04 / 52
p0 1105 ± 3500
100
50
0
−50
−100
pull
Entries 53
Mean −146.8
Std Dev 0
2
1
0
−1
−2

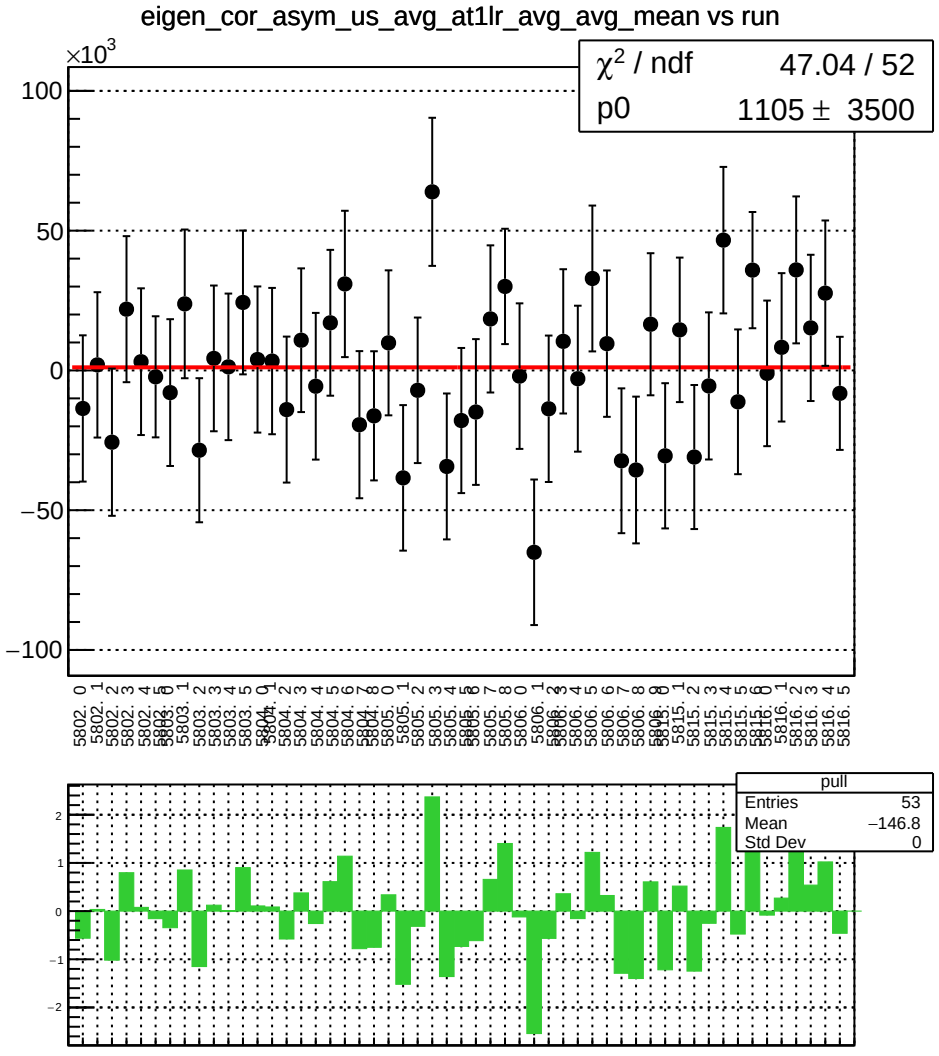

pull1D
Entries 53
Mean −0.008846
Std Dev 0.9421
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

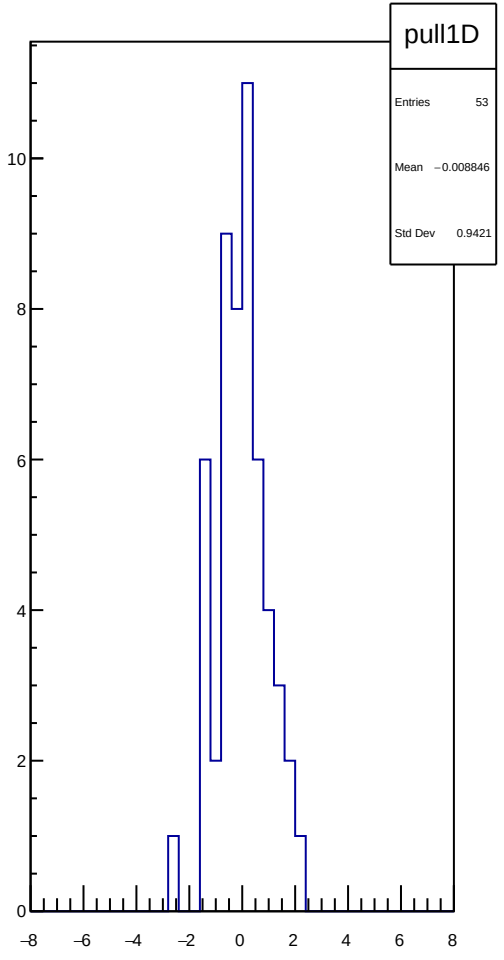

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 47.03 / 52
p0 2477 ± 2.475
2540
2520
2500
2480
2460
2440
2420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

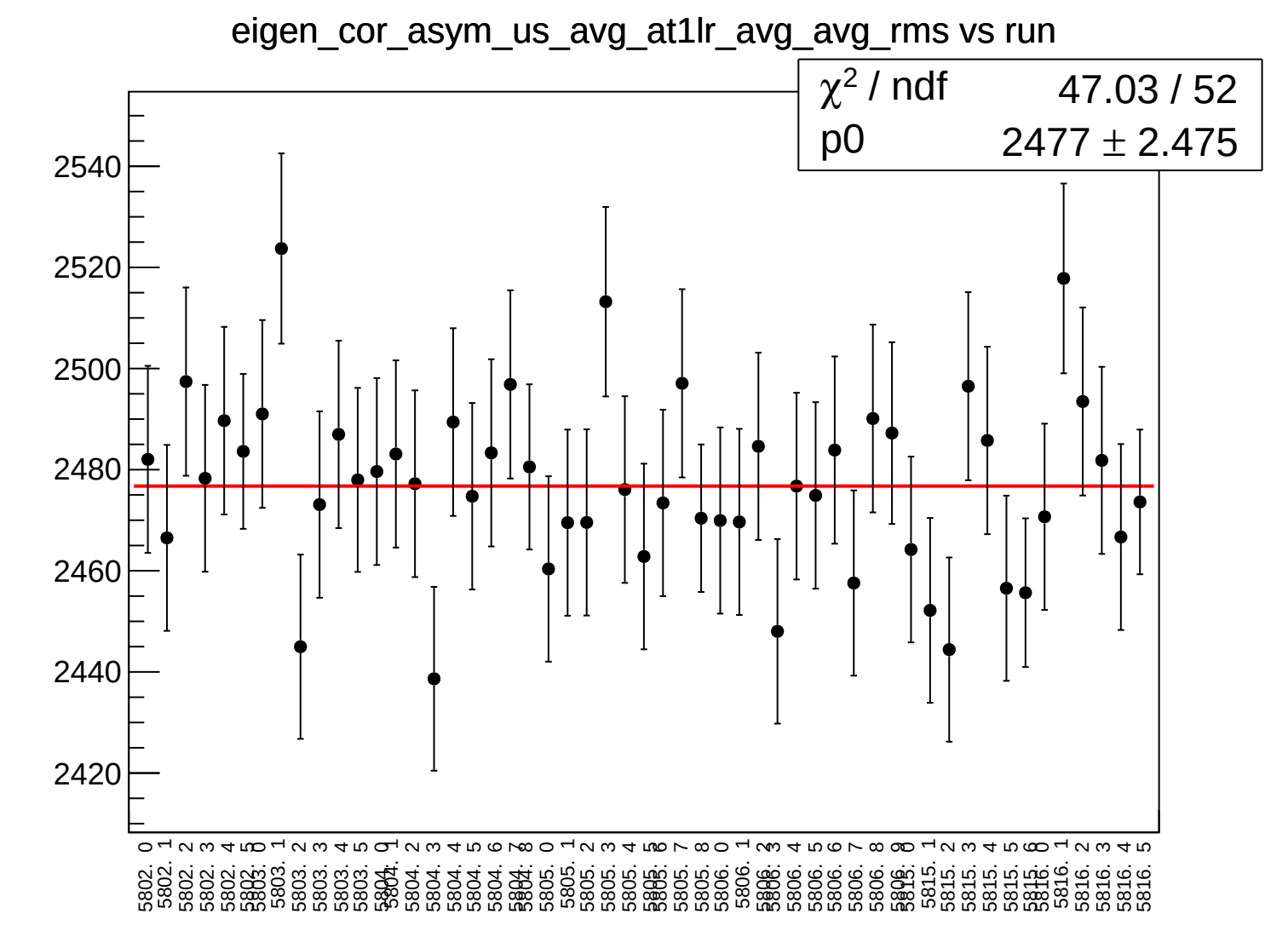

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 66.02 / 52
p0 −1566 ± 3126
pull
Entries 53
Mean −56.86
Std Dev 0

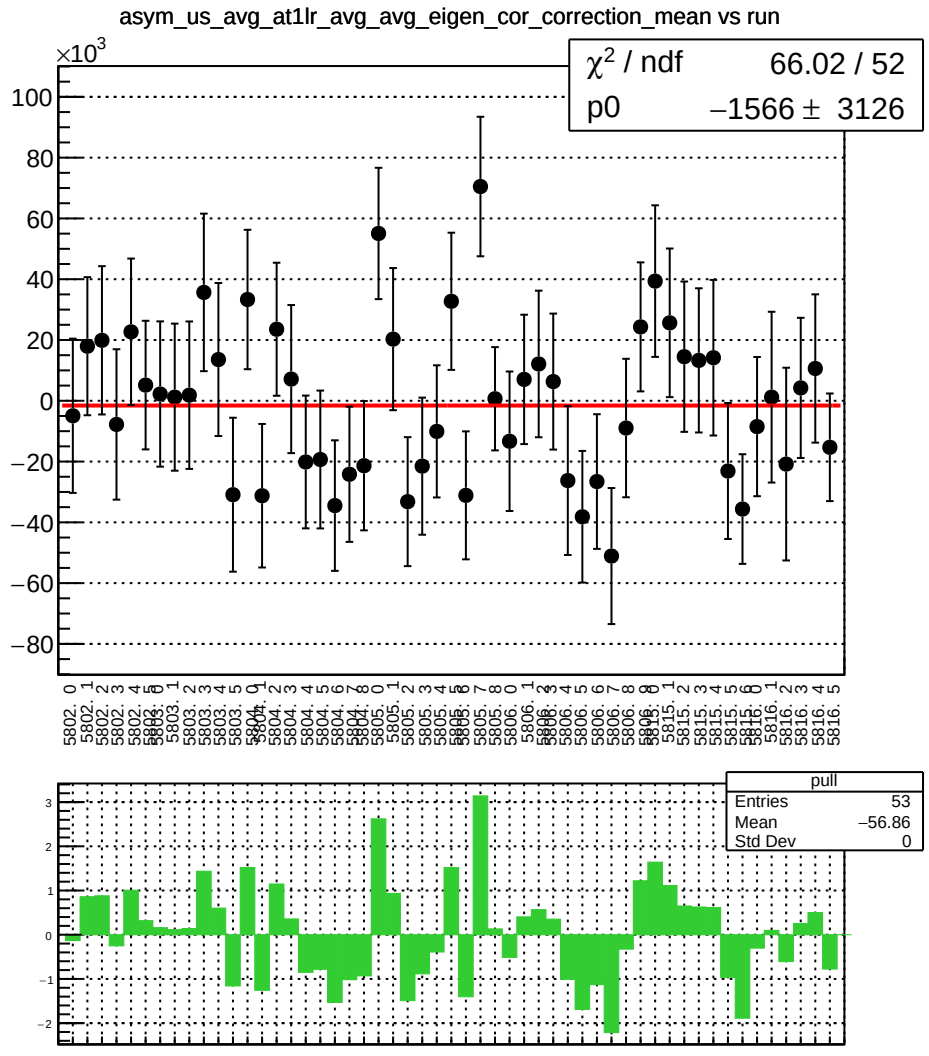

pull1D
Entries 53
Mean 0.02693
Std Dev 1.116

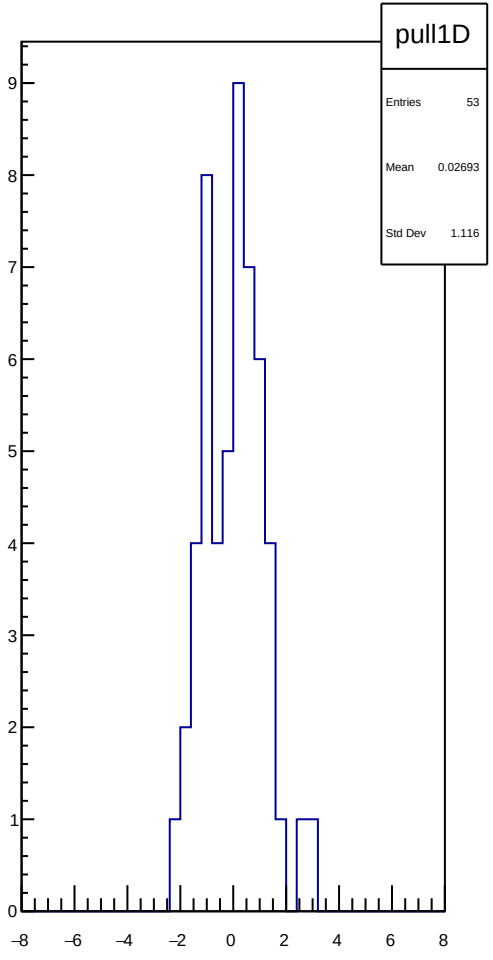

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4985 / 52
p0 2207 ± 2.211
3000
2800
2600
2400
2200
2000

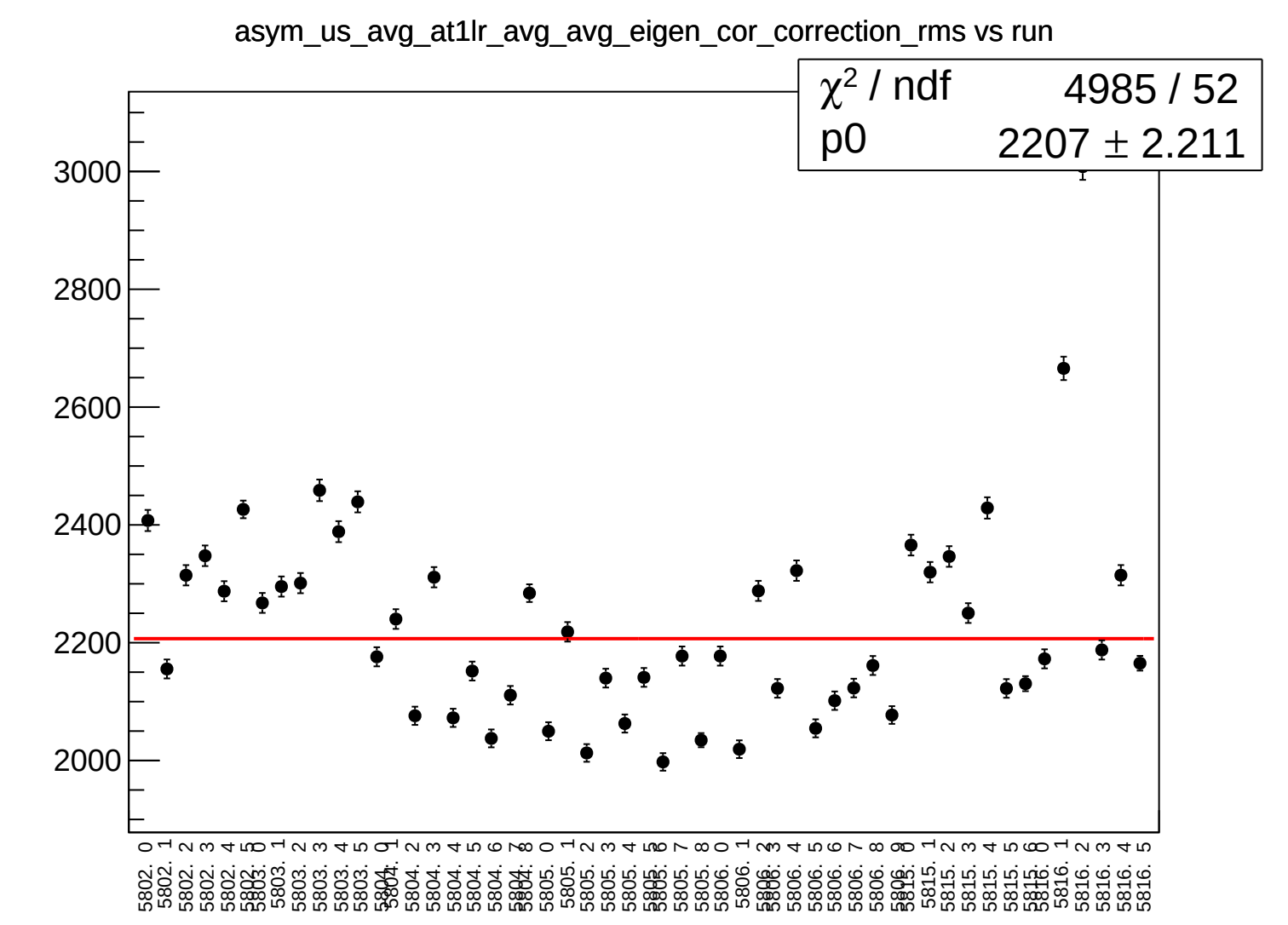

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.04 / 52
p0 1105 ± 3500
100
50
0
−50
−100
pull
Entries 53
Mean −146.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.008846
Std Dev 0.9421
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 47.03 / 52
p0 2477 ± 2.475
2540
2520
2500
2480
2460
2440
2420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.02 / 52
p0 −1566 ± 3126
pull
Entries 53
Mean −56.86
Std Dev 0


pull1D
Entries 53
Mean 0.02693
Std Dev 1.116


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4985 / 52
p0 2207 ± 2.211
3000
2800
2600
2400
2200
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
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5806. 0
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5815. 0
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5815. 3
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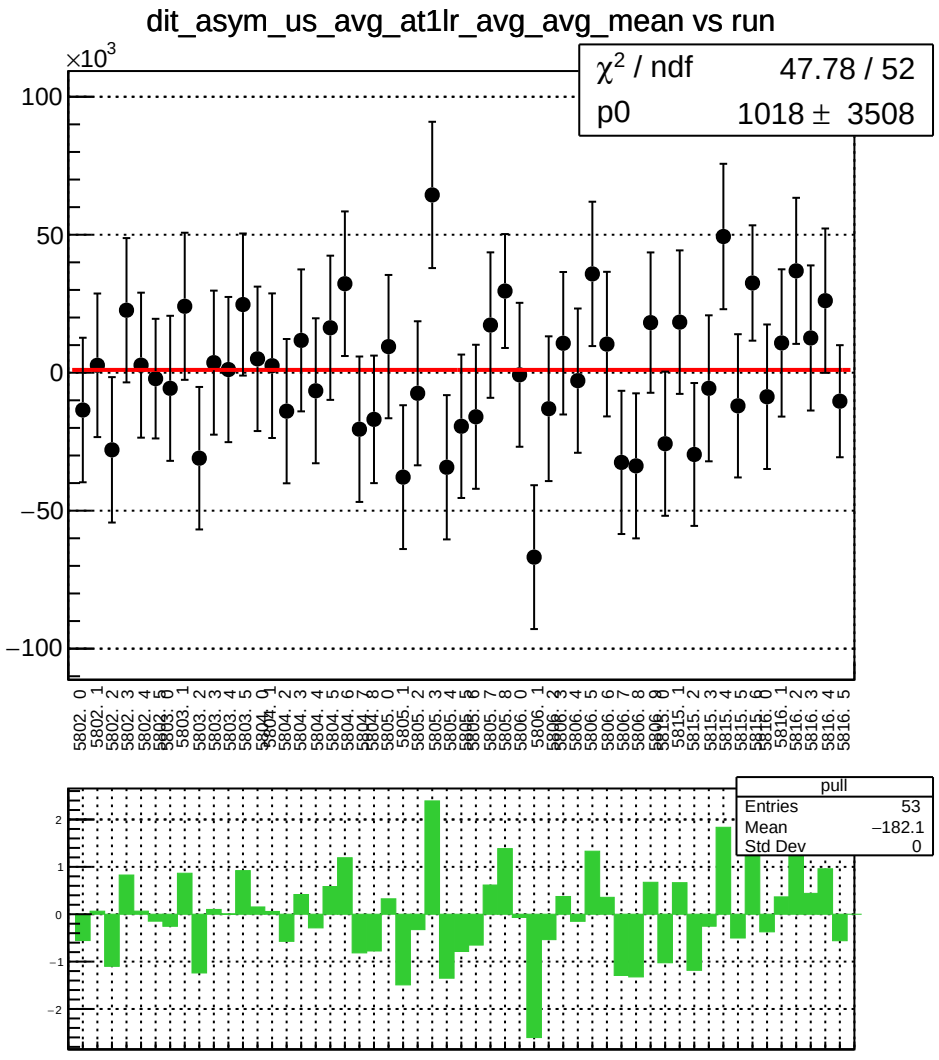
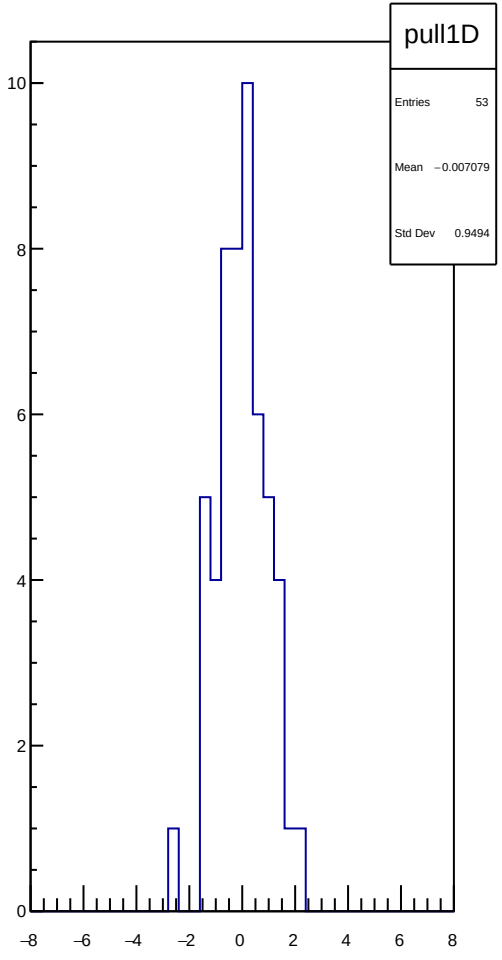
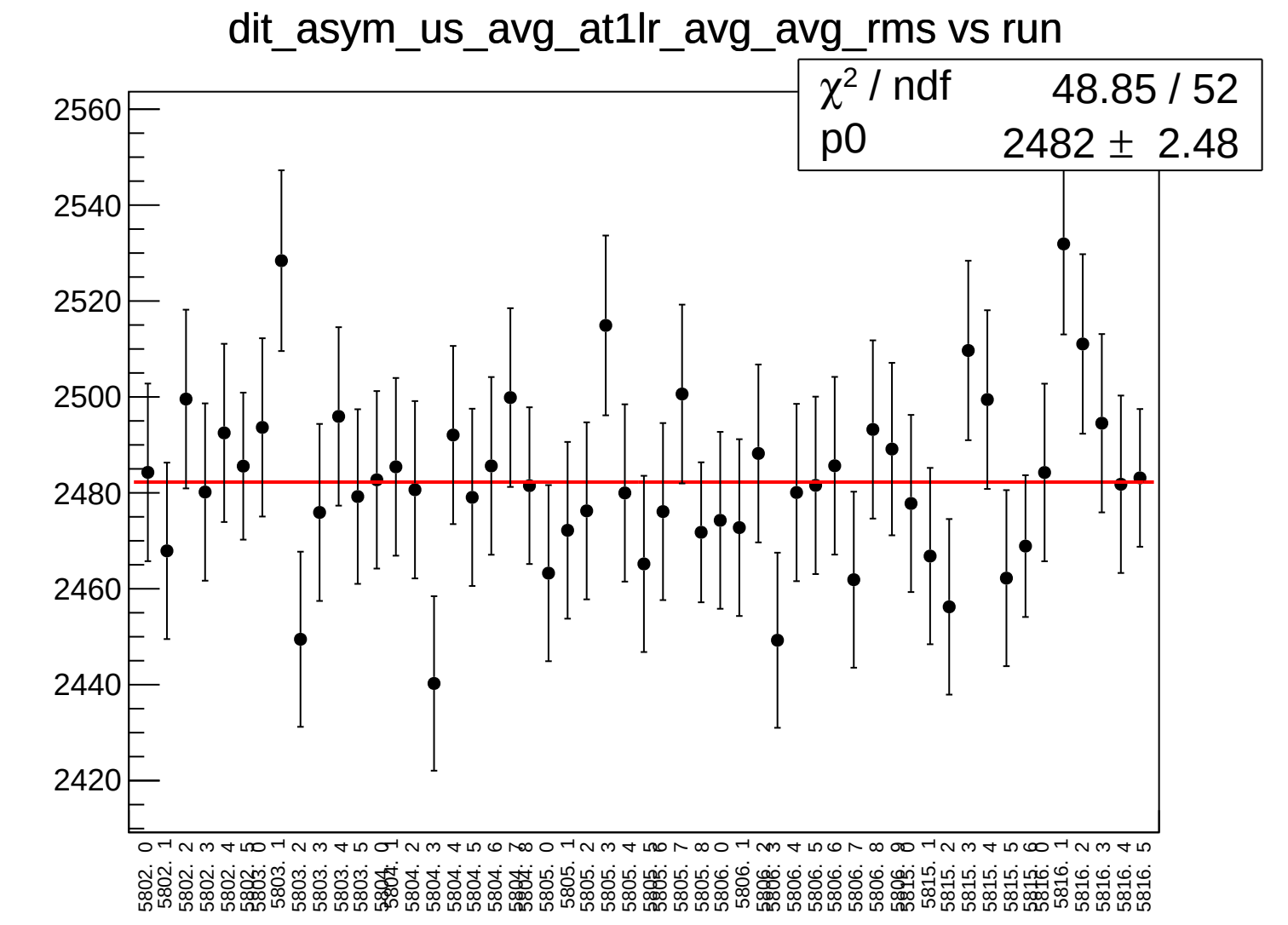
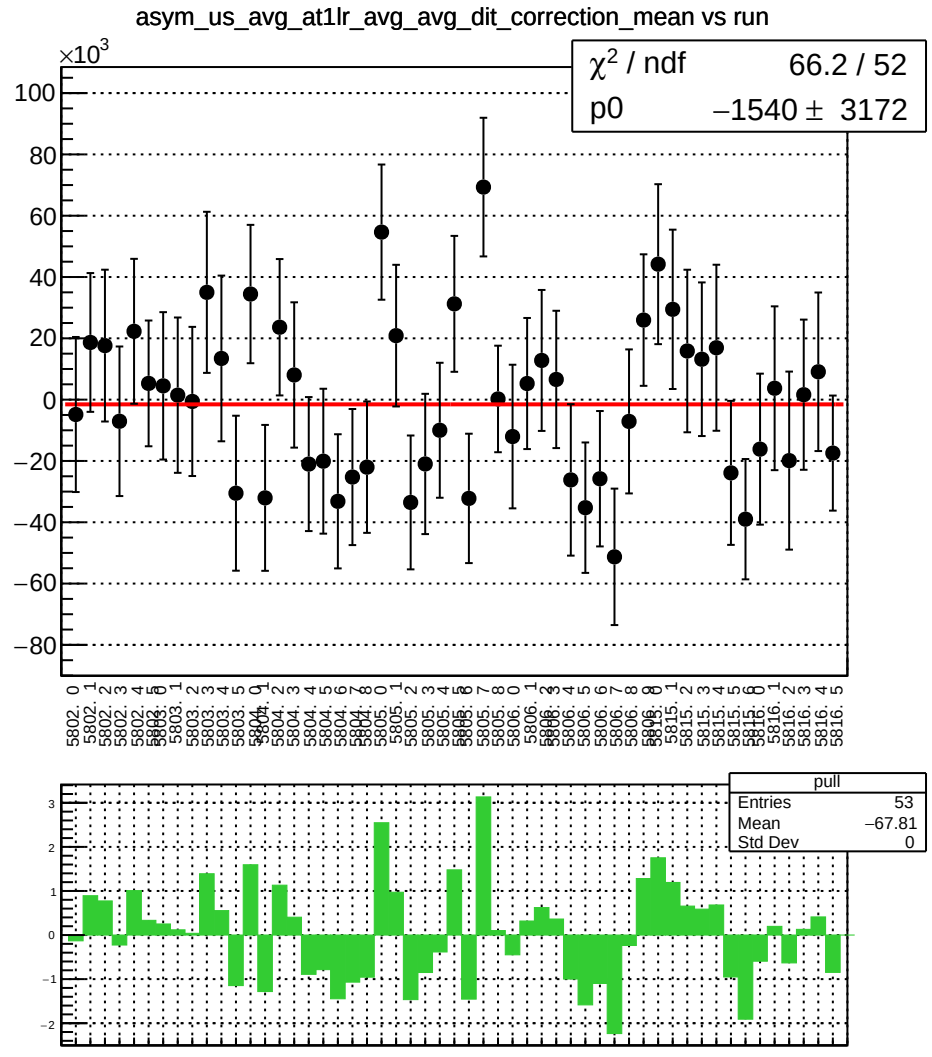
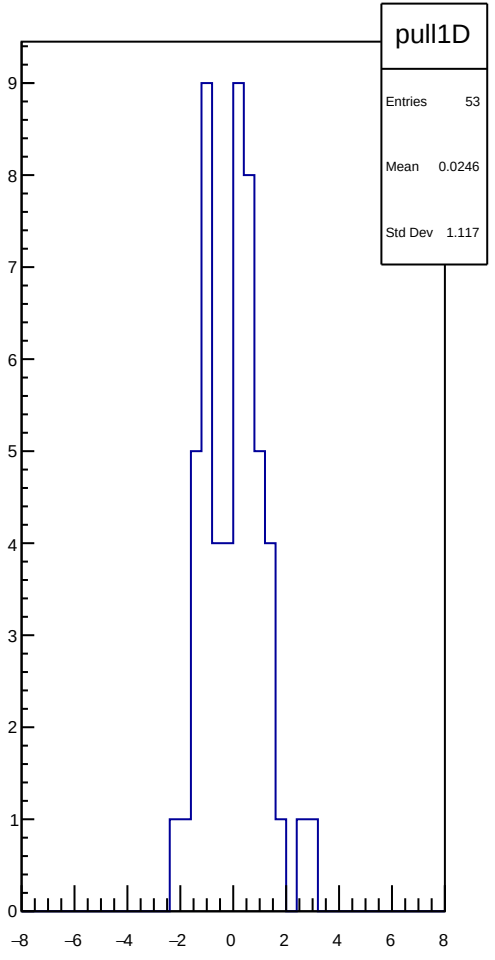
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

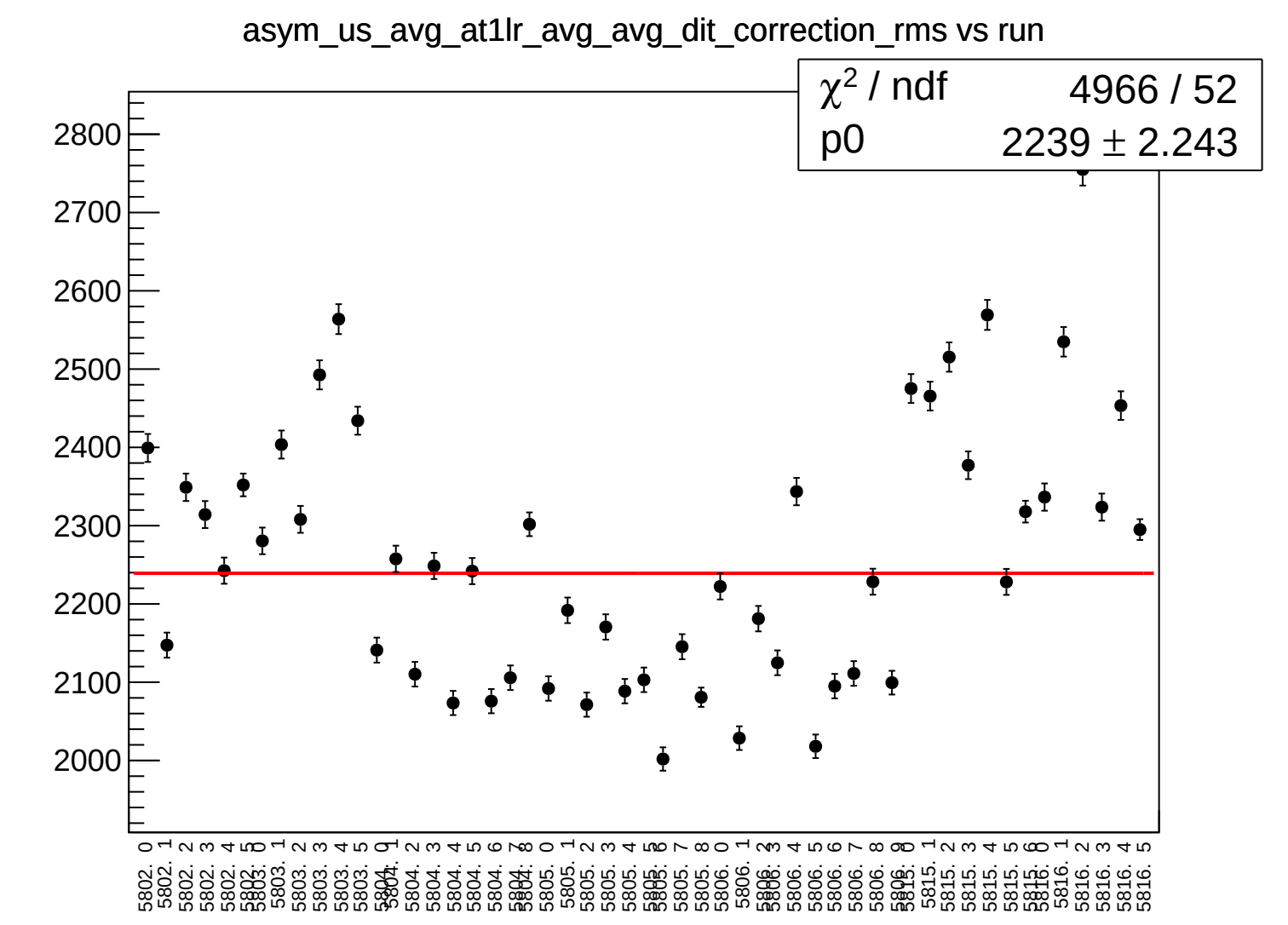

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 47.78 / 52
p0 1018 ± 3508
100
50
0
−50
−100
pull
Entries 53
Mean −182.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.007079
Std Dev 0.9494
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 48.85 / 52
p0 2482 ± 2.48
2560
2540
2520
2500
2480
2460
2440
2420


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 66.2 / 52
p0 −1540 ± 3172
pull
Entries 53
Mean −67.81
Std Dev 0


pull1D
Entries 53
Mean 0.0246
Std Dev 1.117


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 4966 / 52
p0 2239 ± 2.243
2800
2700
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
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5803. 4
5803. 5
5804. 2
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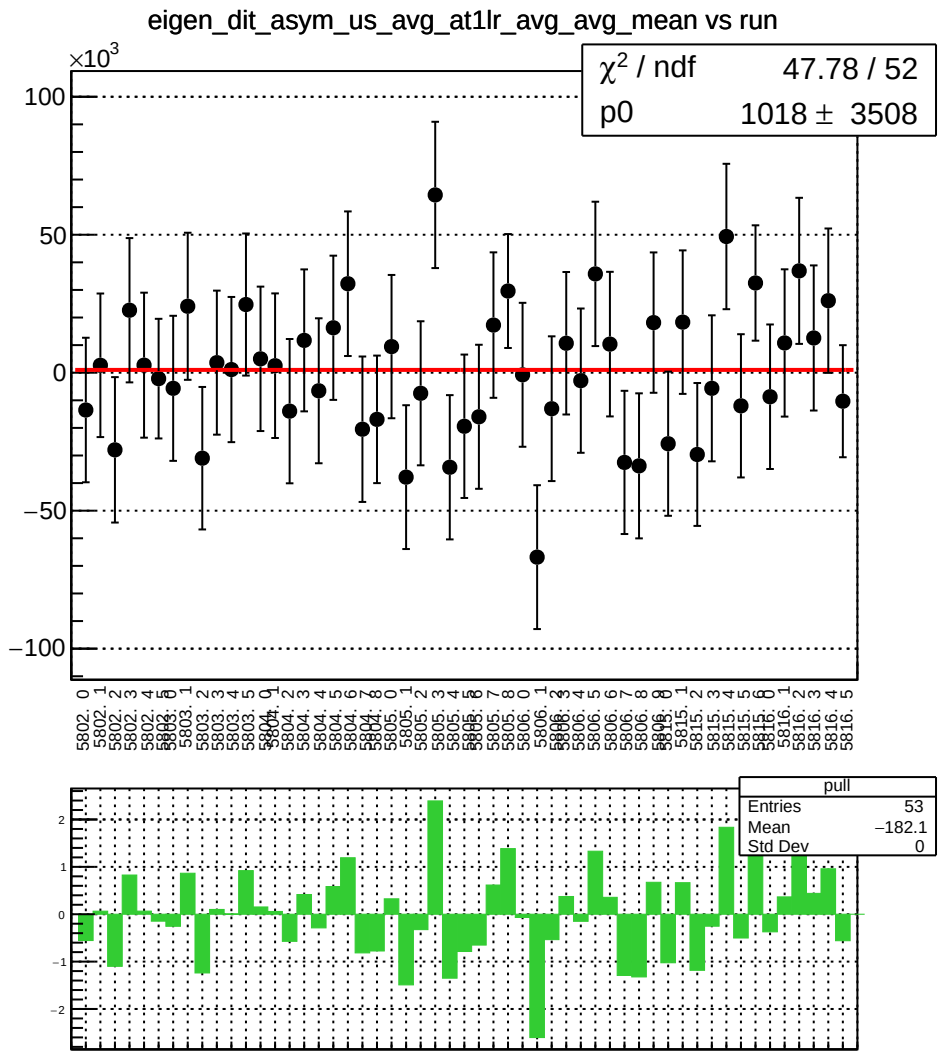
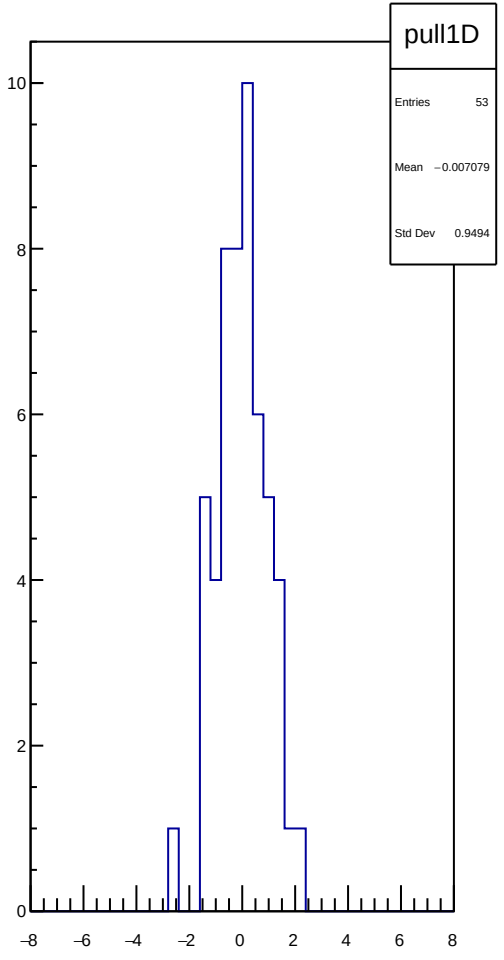
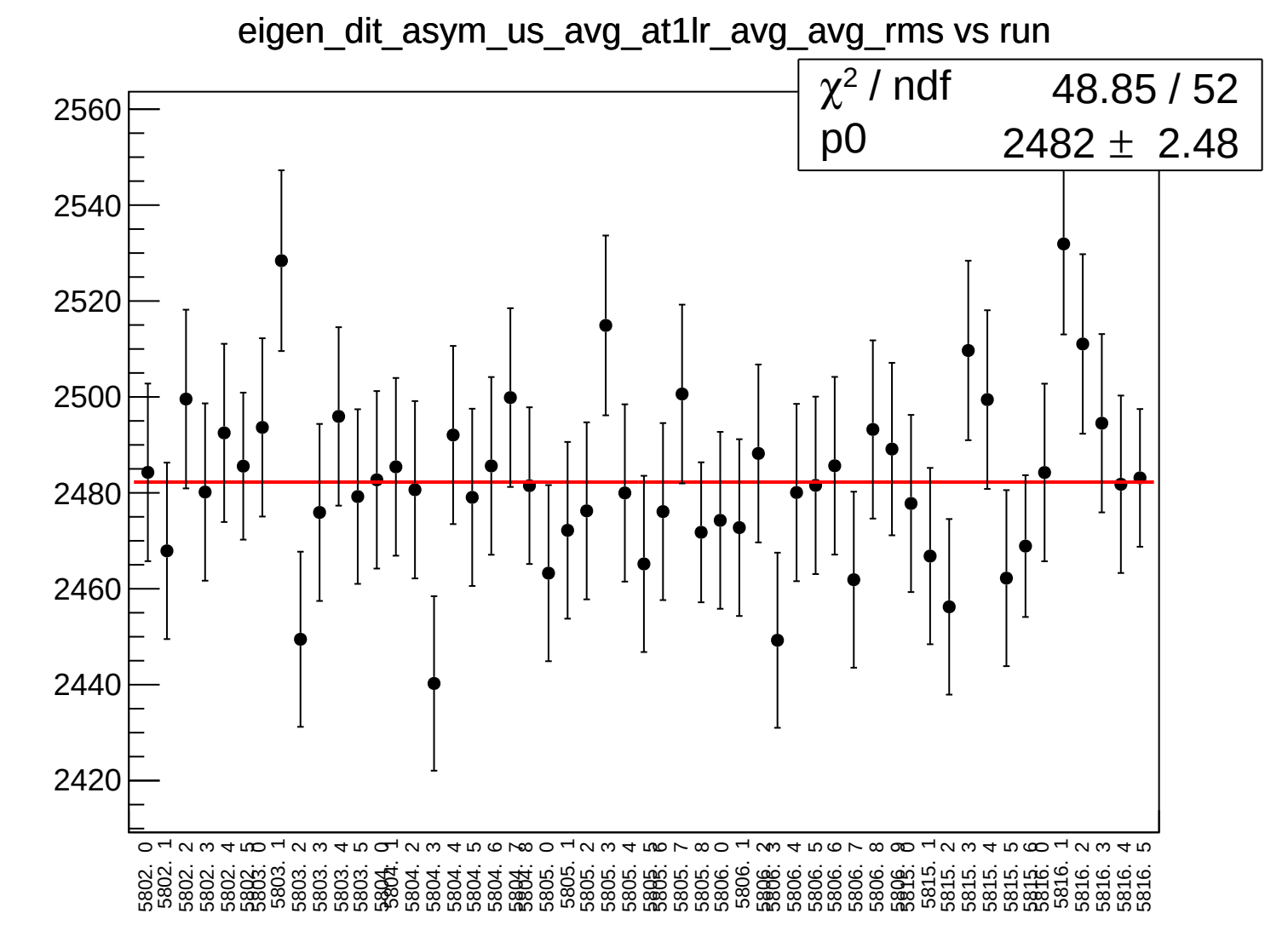
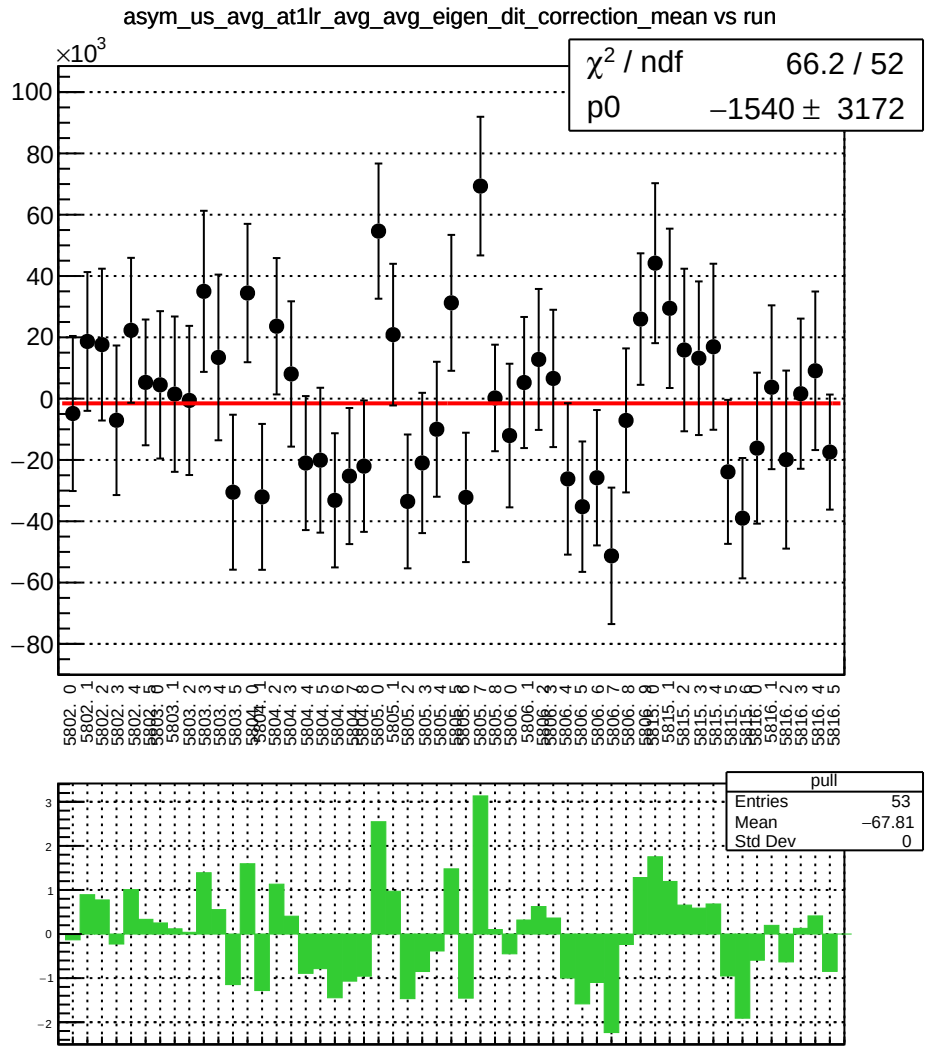
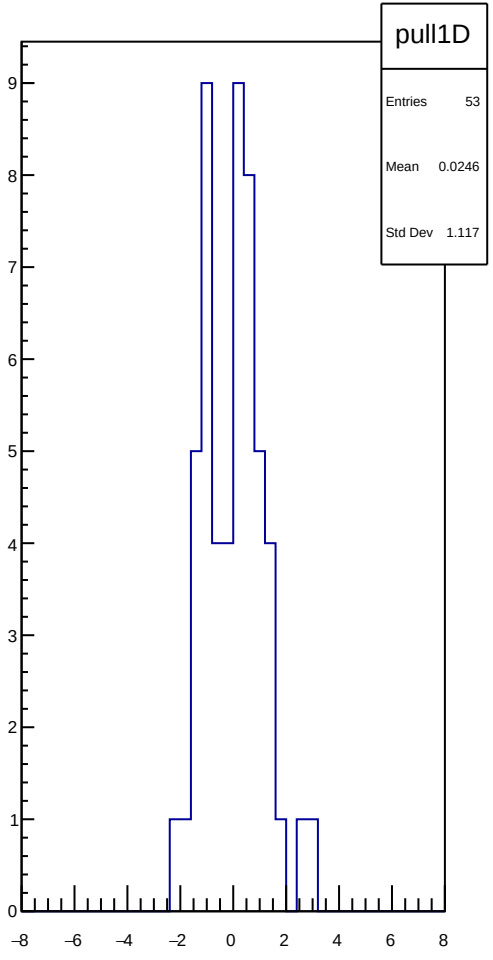
5816. 5

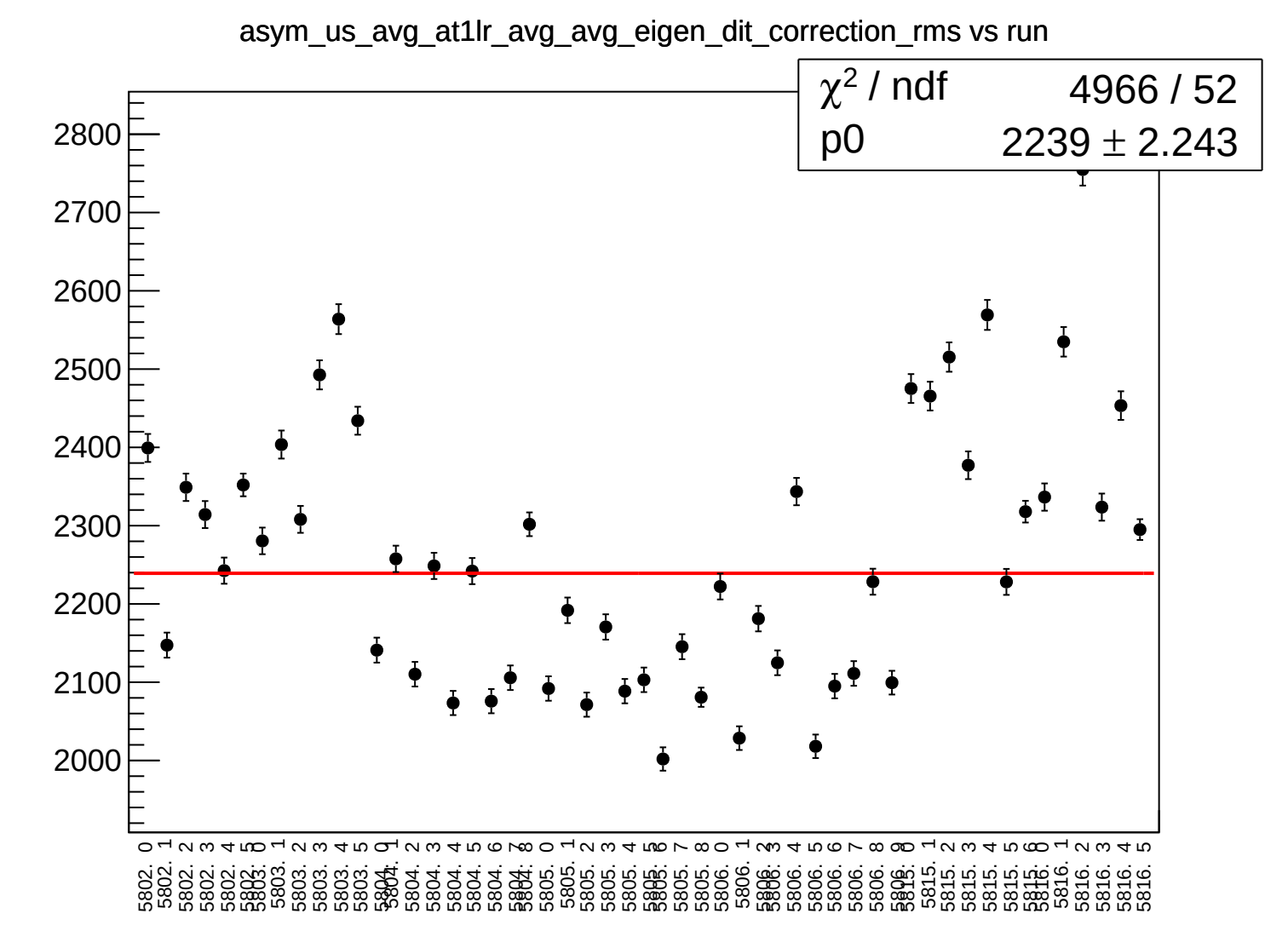

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 47.78 / 52
p0 1018 ± 3508
100
50
0
−50
−100
pull
Entries 53
Mean −182.1
Std Dev 0
2
1
0
−1
−2

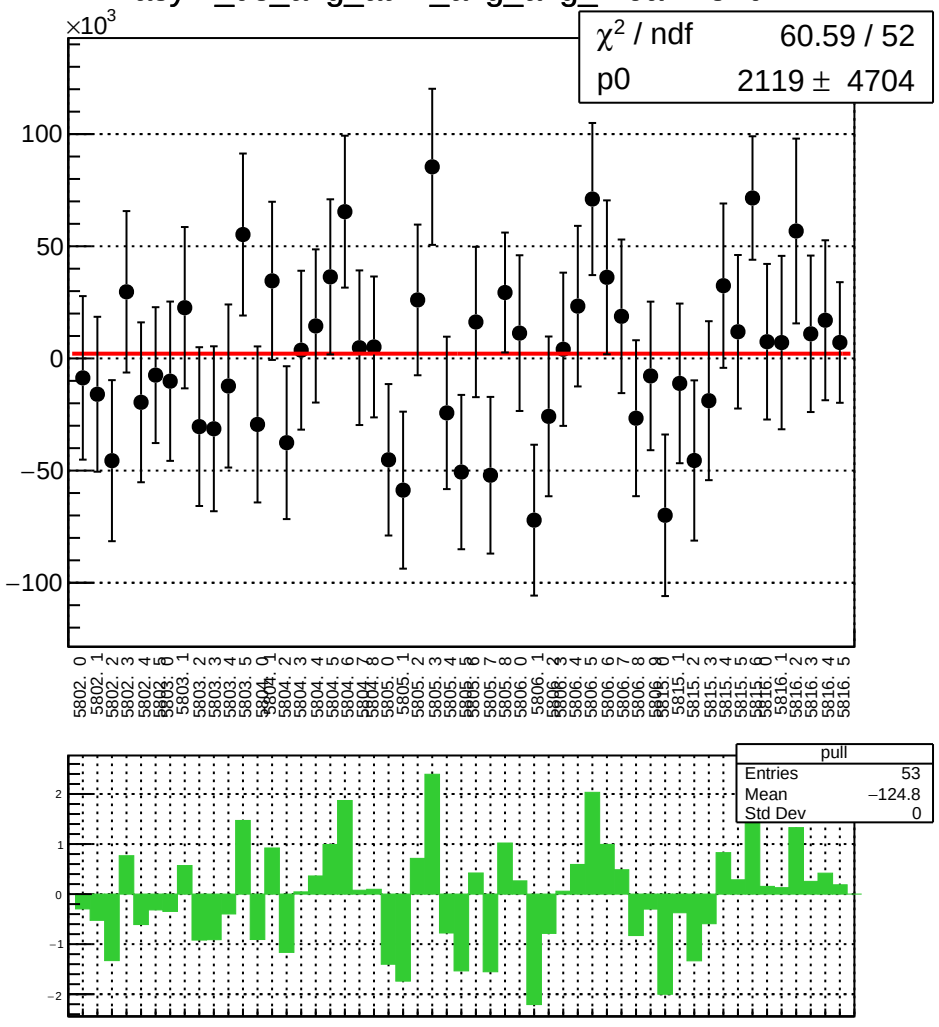

pull1D
Entries 53
Mean −0.007079
Std Dev 0.9494
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

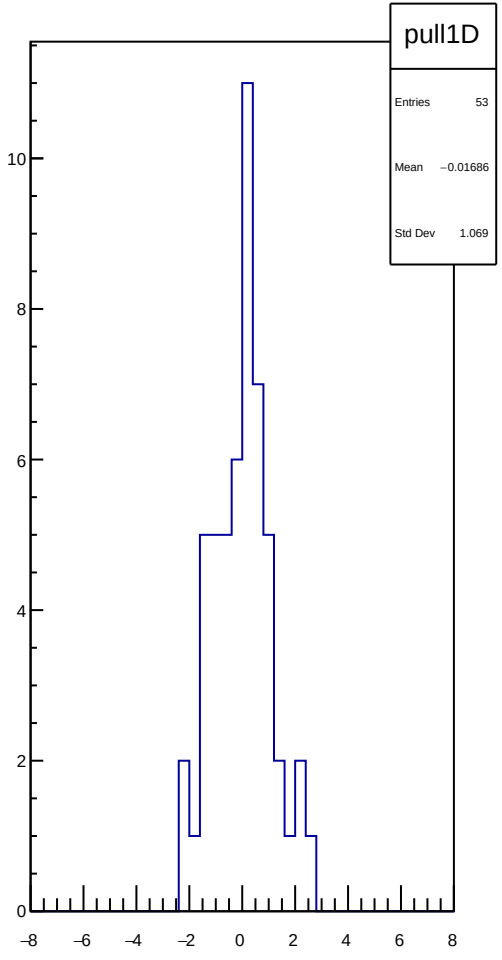

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 48.85 / 52
p0 2482 ± 2.48
2560
2540
2520
2500
2480
2460
2440
2420

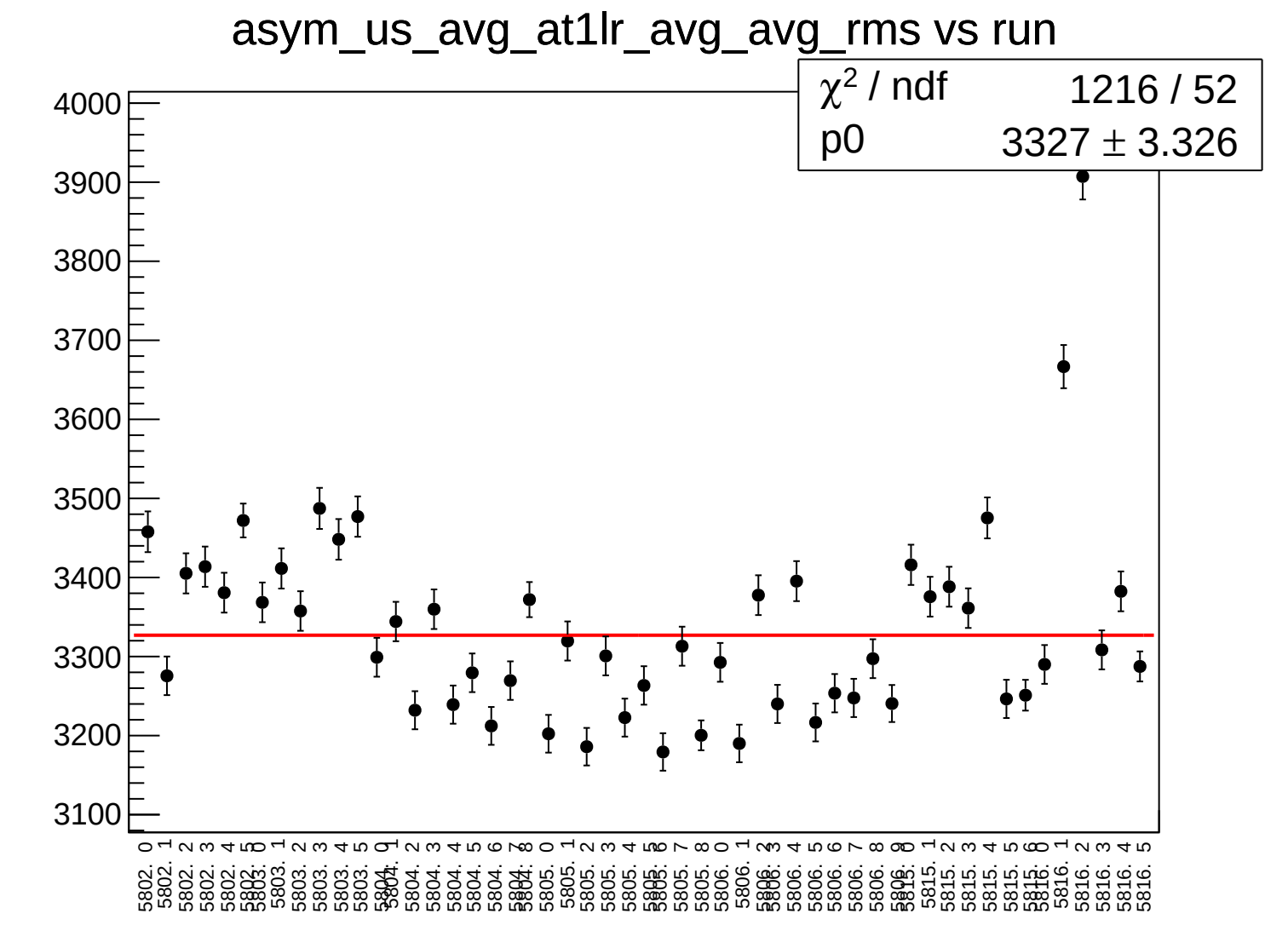

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 66.2 / 52
p0 −1540 ± 3172
pull
Entries 53
Mean −67.81
Std Dev 0

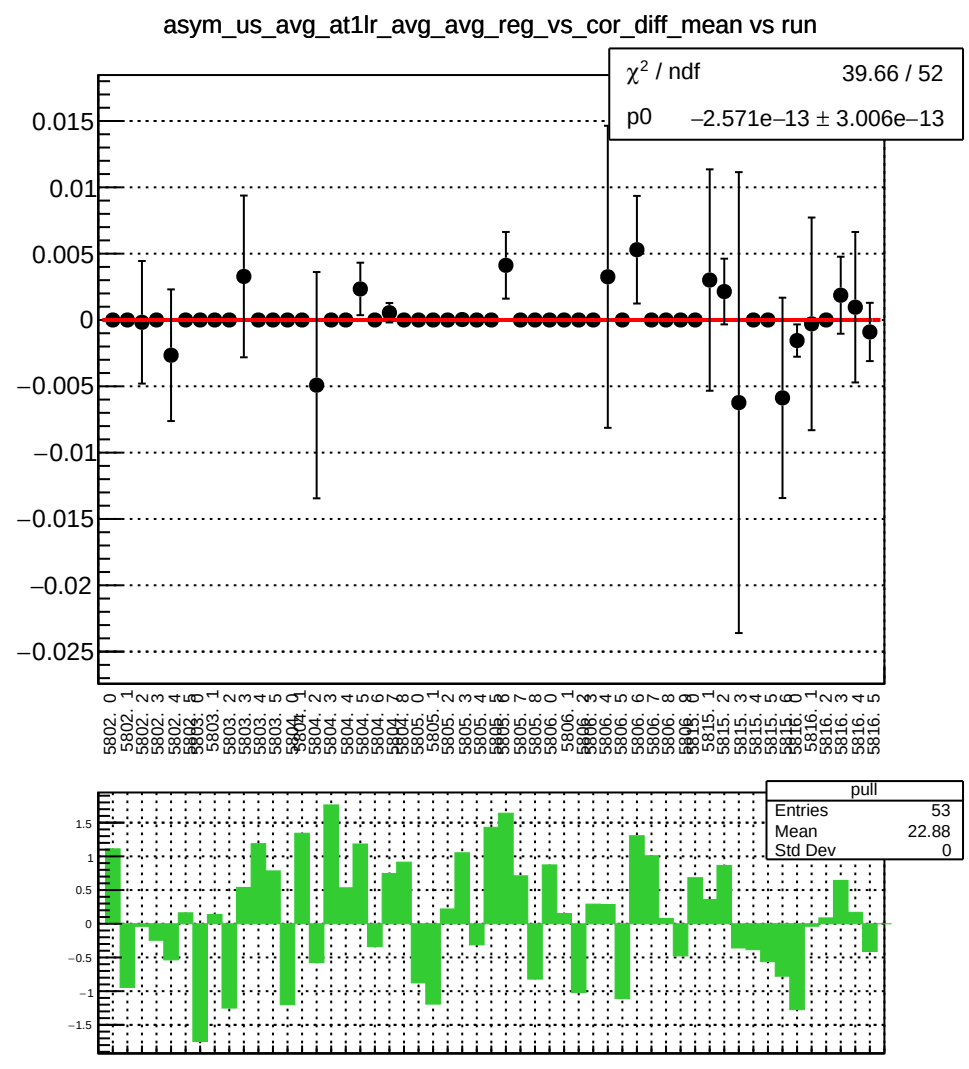

pull1D
Entries 53
Mean 0.0246
Std Dev 1.117

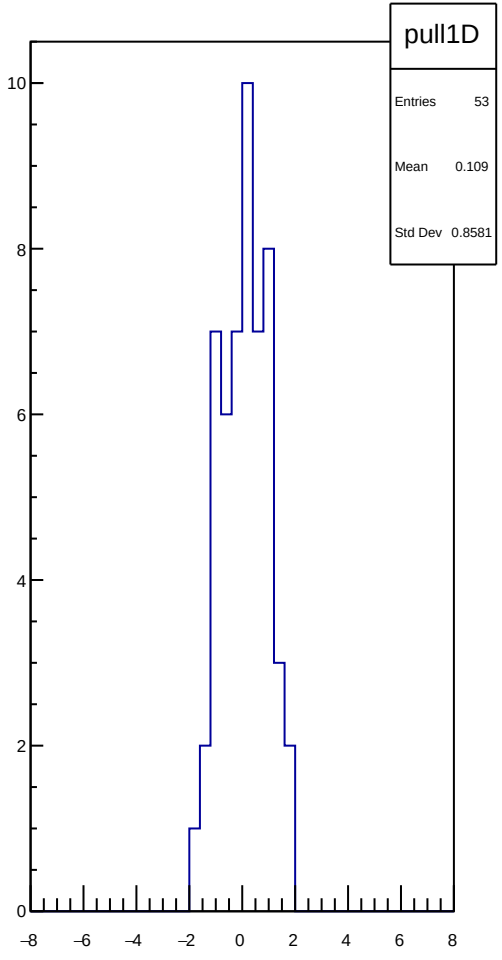

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4966 / 52
p0 2239 ± 2.243
2800
2700
2600
2500
2400
2300
2200
2100
2000

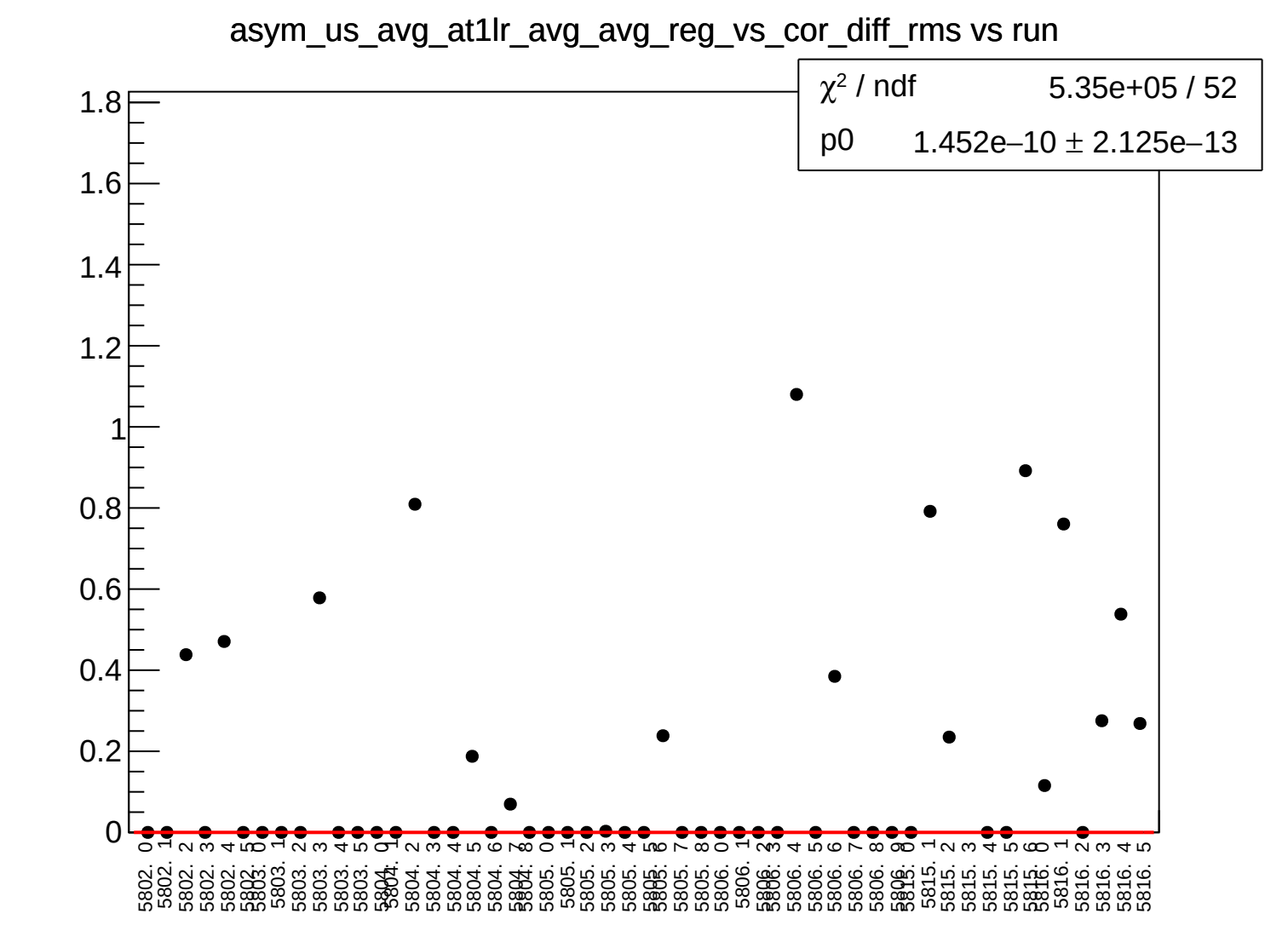

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 60.59 / 52
p0 2119 ± 4704
100
50
0
−50
−100
pull
Entries 53
Mean −124.8
Std Dev 0
2
1
0
−1
−2

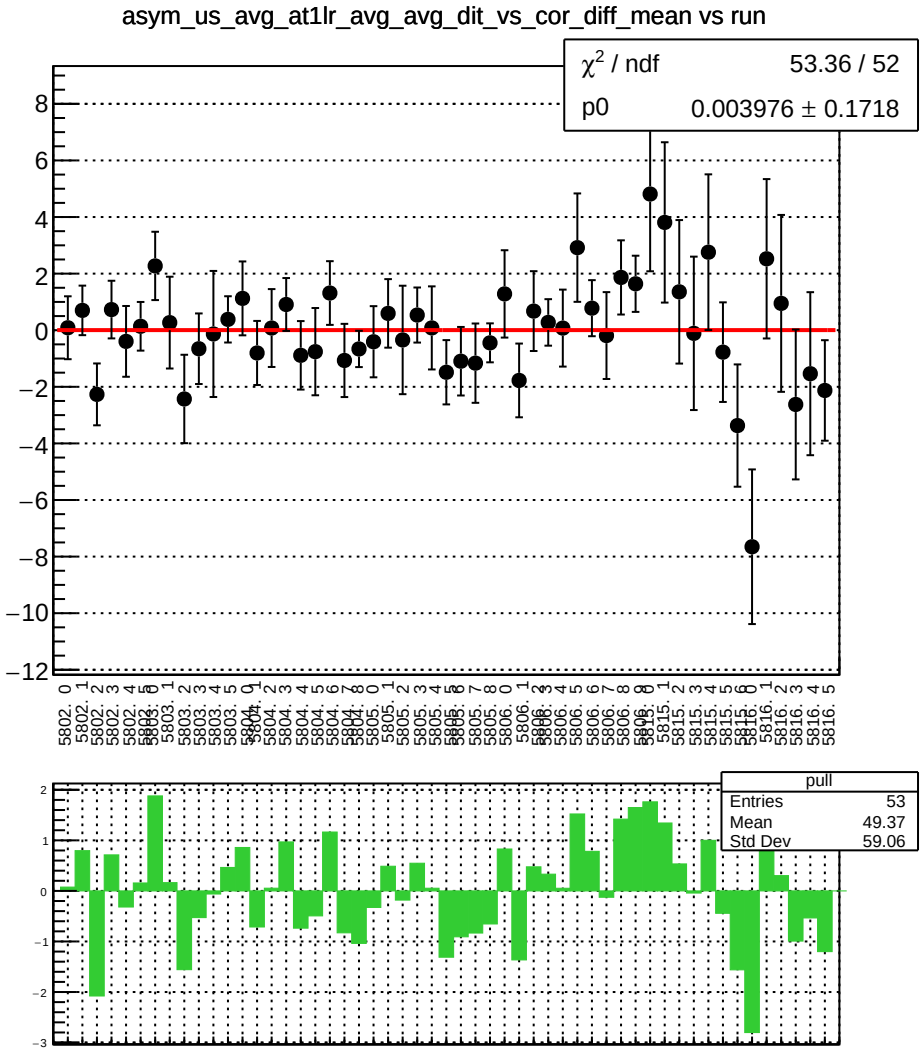

pull1D
Entries 53
Mean −0.01686
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

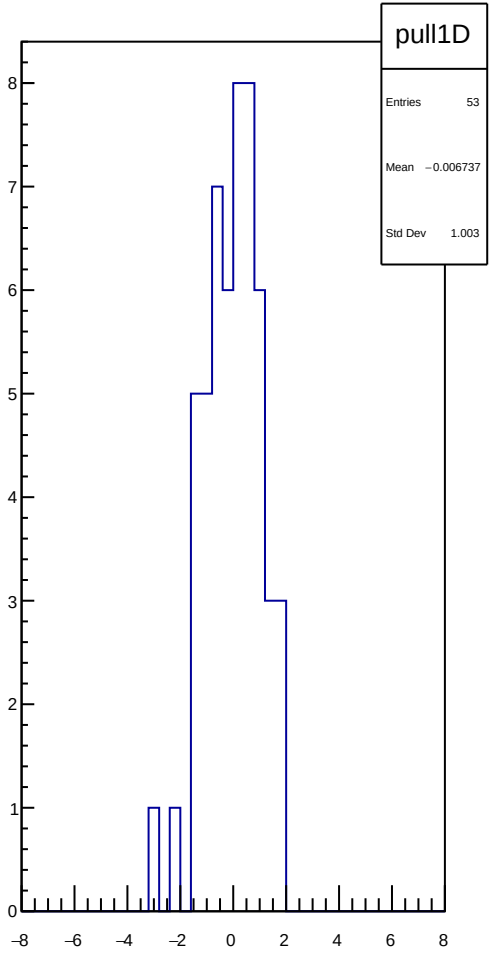

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1216 / 52
p0 3327 ± 3.326
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100

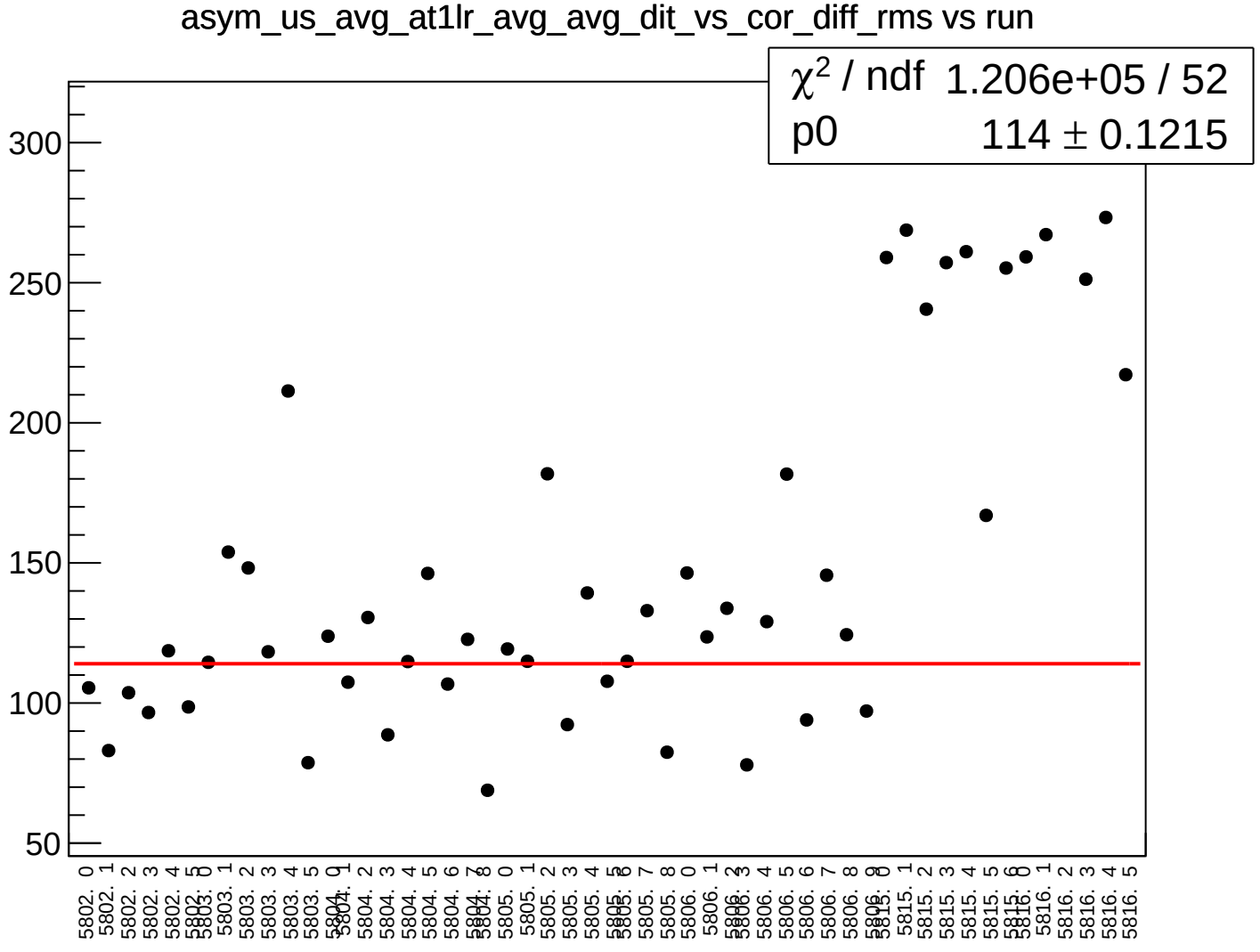

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 39.66 / 52
p0 −2.571e−13 ± 3.006e−13
pull
Entries 53
Mean 22.88
Std Dev 0

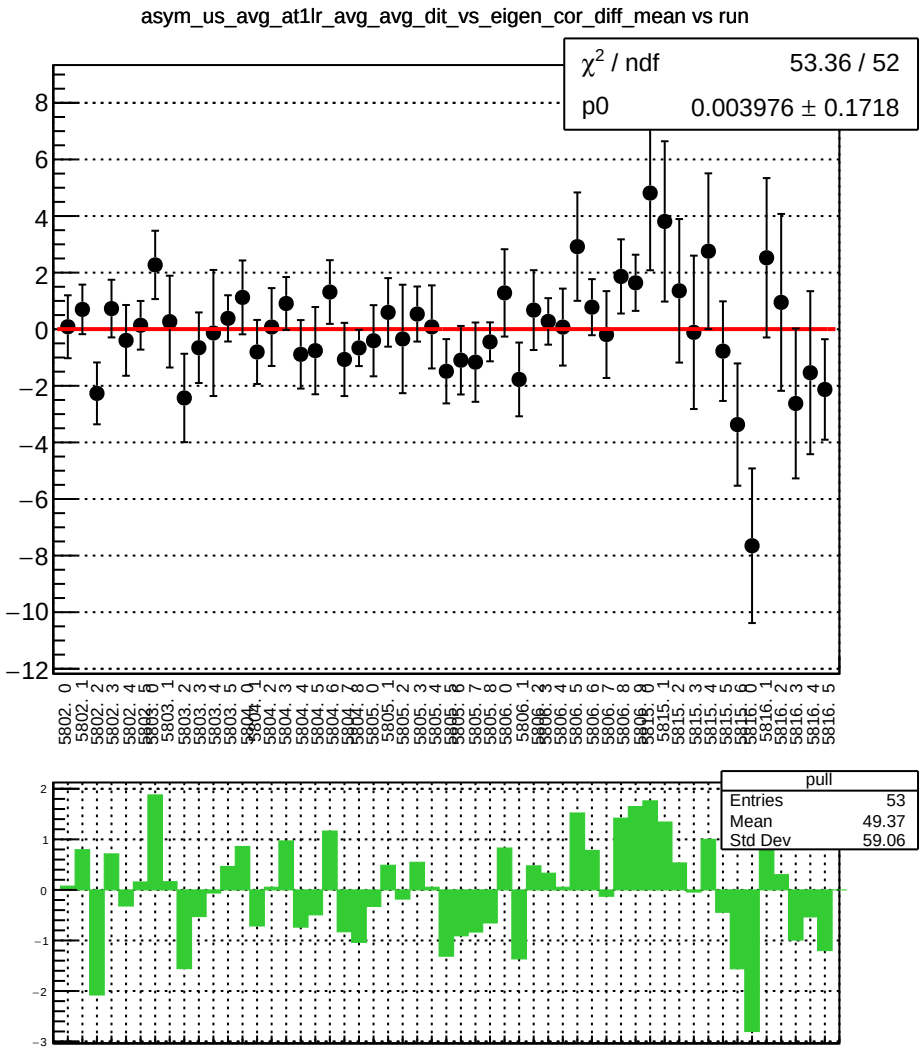

pull1D
Entries 53
Mean 0.109
Std Dev 0.8581

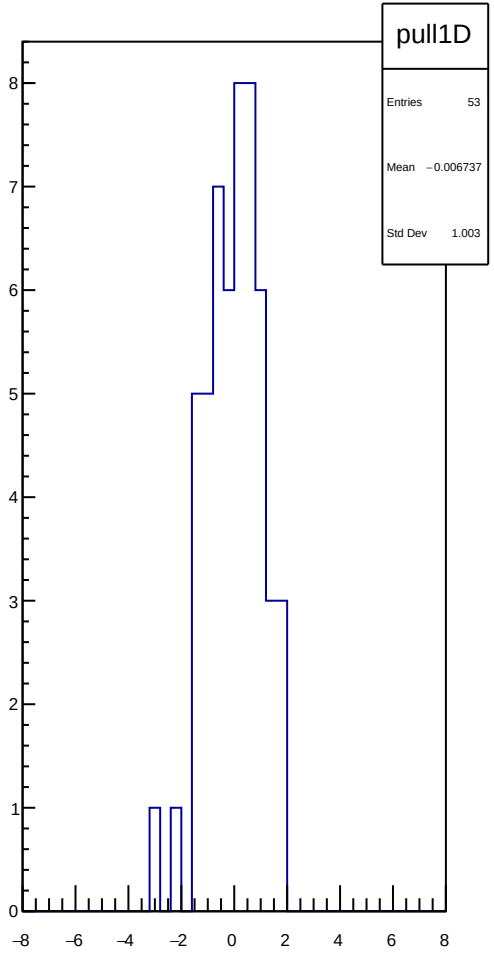

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.35e+05 / 52
p0 1.452e−10 ± 2.125e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

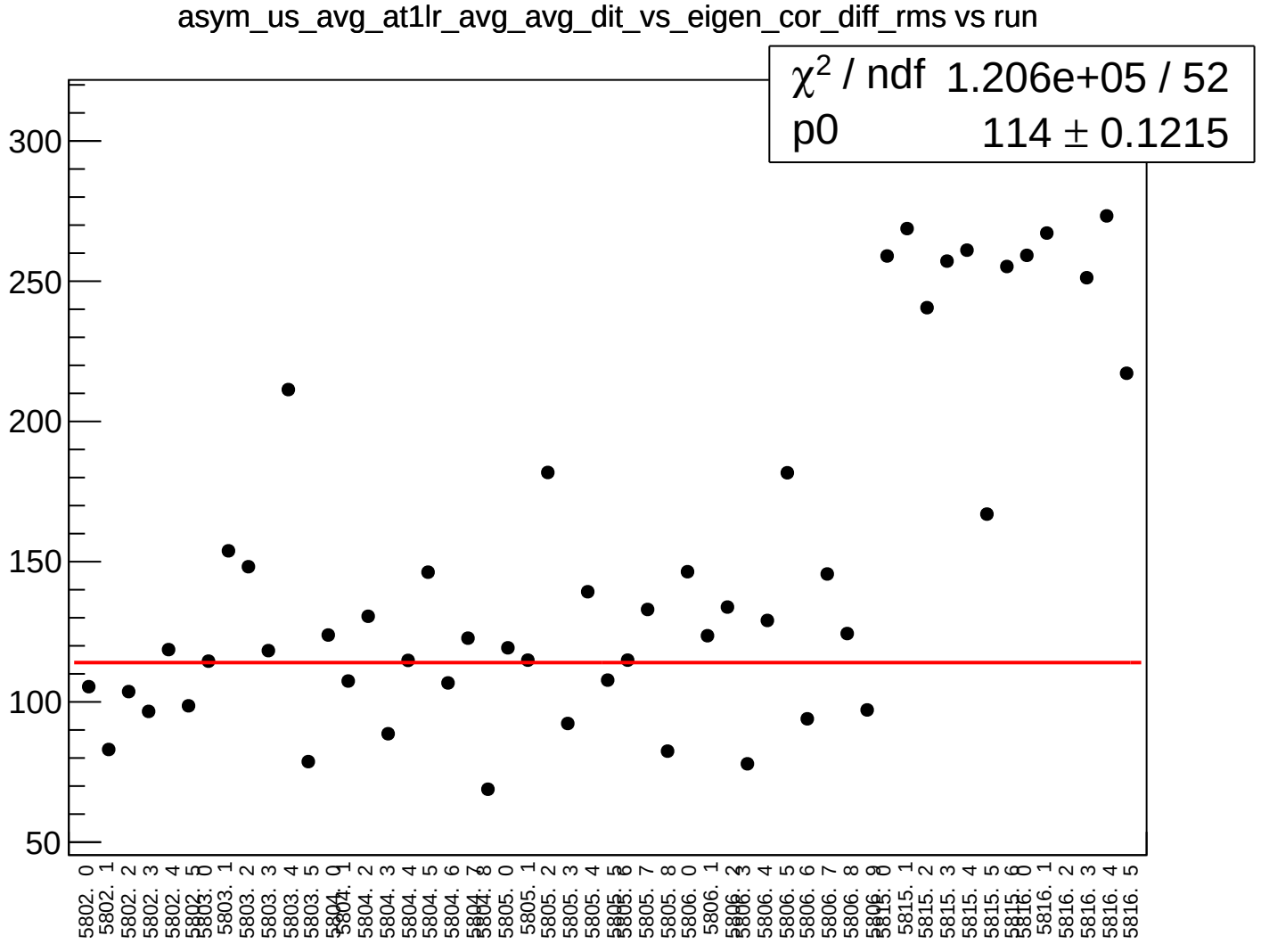

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.36 / 52
p0 0.003976 ± 0.1718
pull
Entries 53
Mean 49.37
Std Dev 59.06

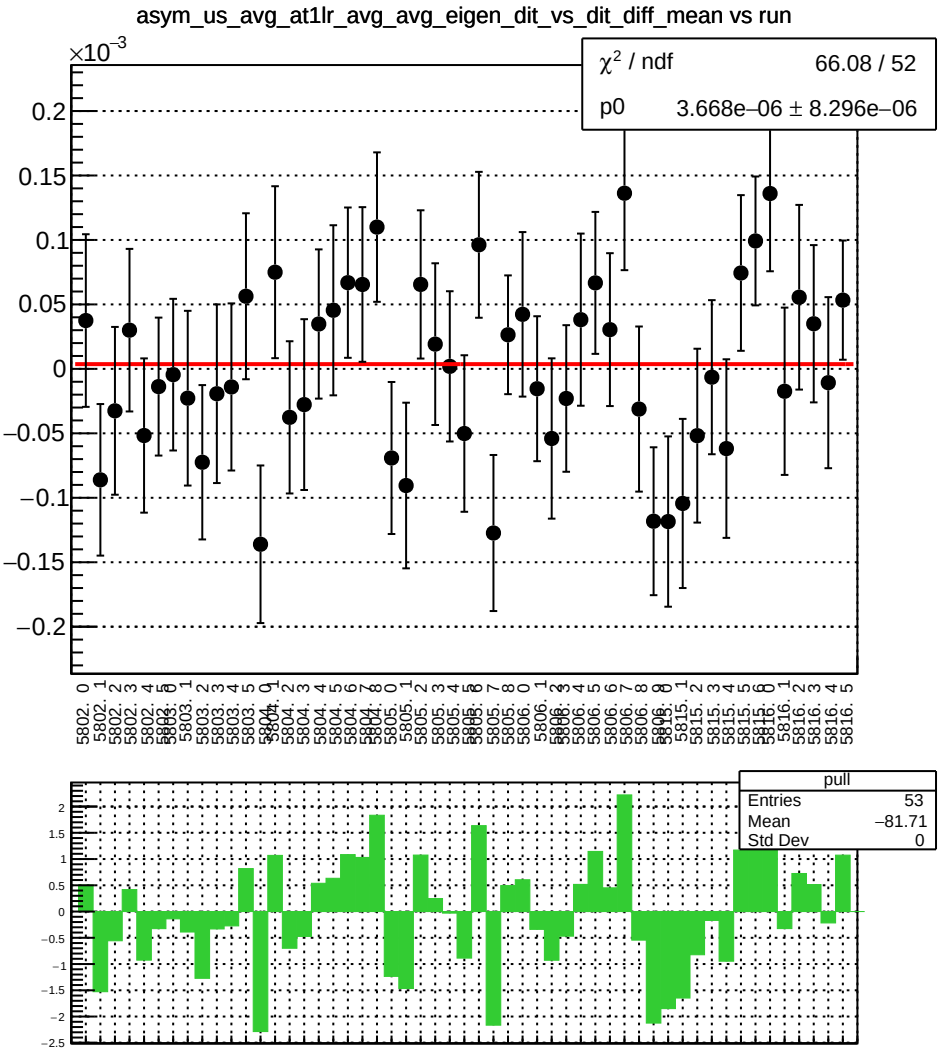

pull1D
Entries 53
Mean −0.006737
Std Dev 1.003

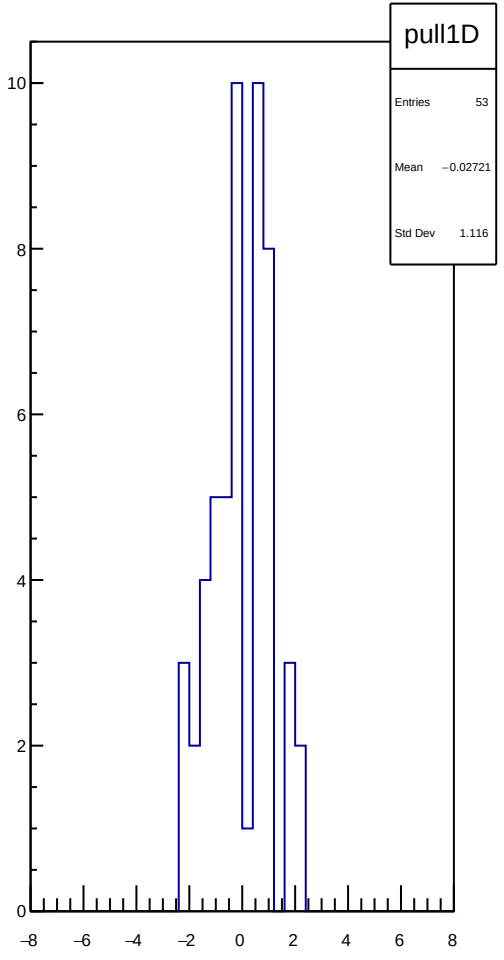

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.206e+05 / 52
p0 114 ± 0.1215
300
250
200
150
100
50

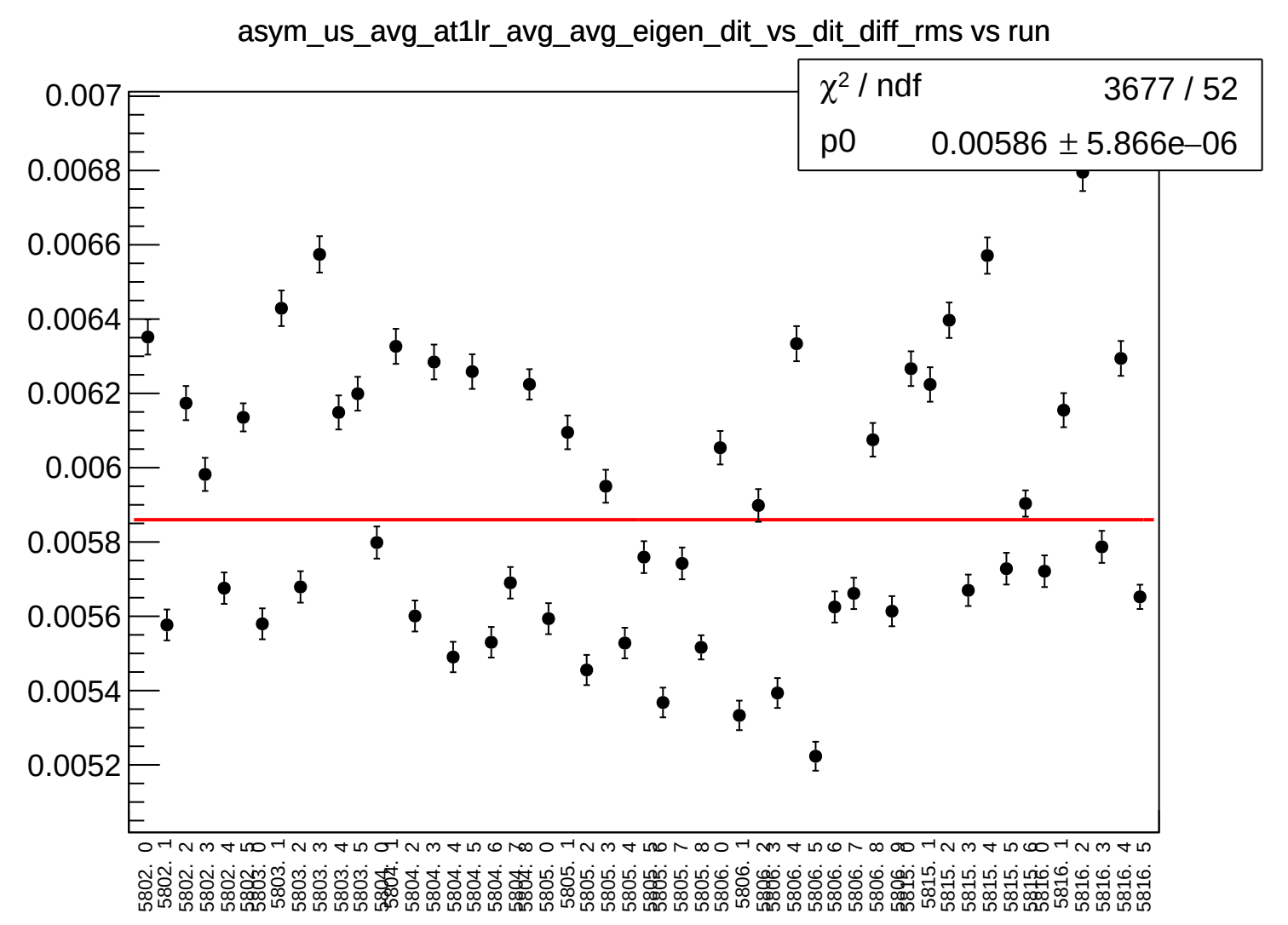

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.36 / 52
p0 0.003976 ± 0.1718
pull
Entries 53
Mean 49.37
Std Dev 59.06

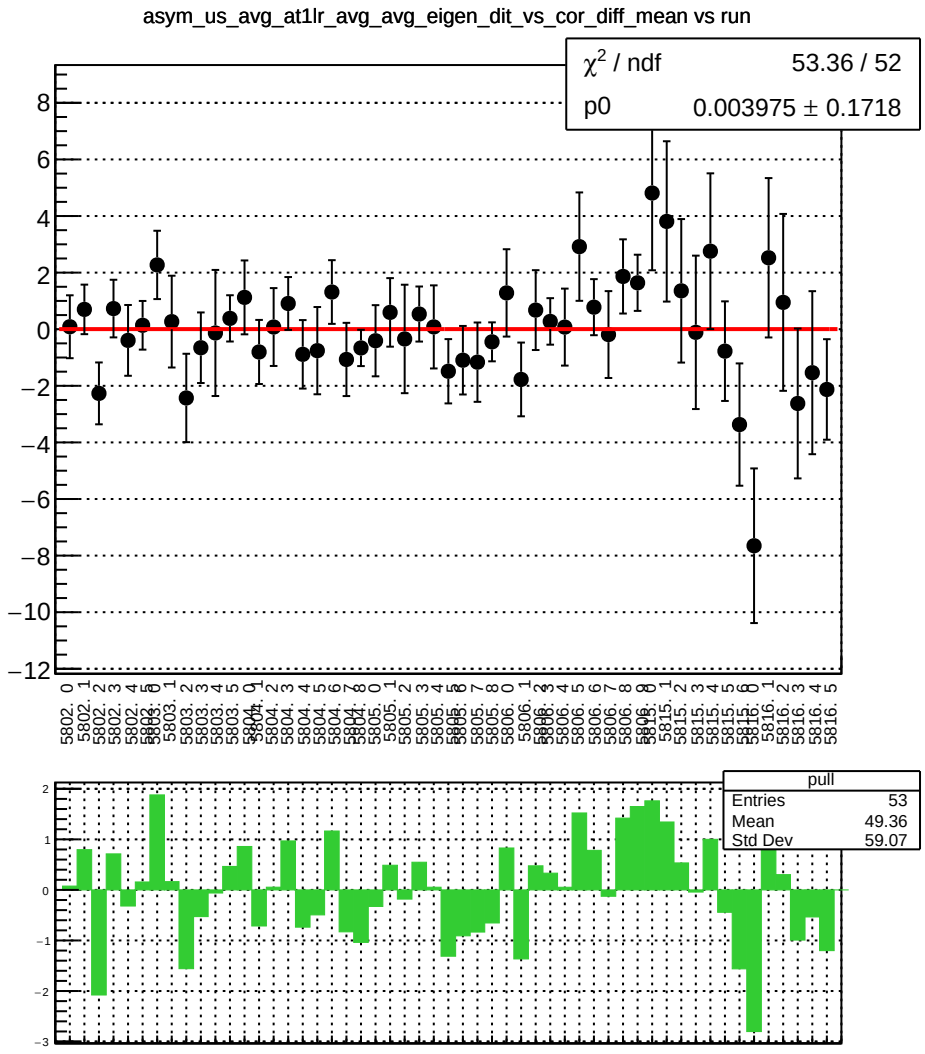

pull1D
Entries 53
Mean −0.006737
Std Dev 1.003

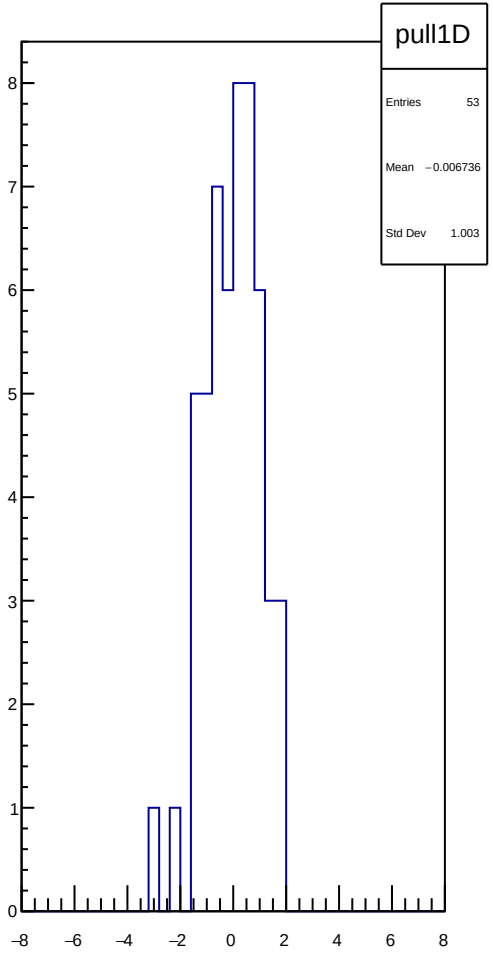

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.206e+05 / 52
p0 114 ± 0.1215
300
250
200
150
100
50

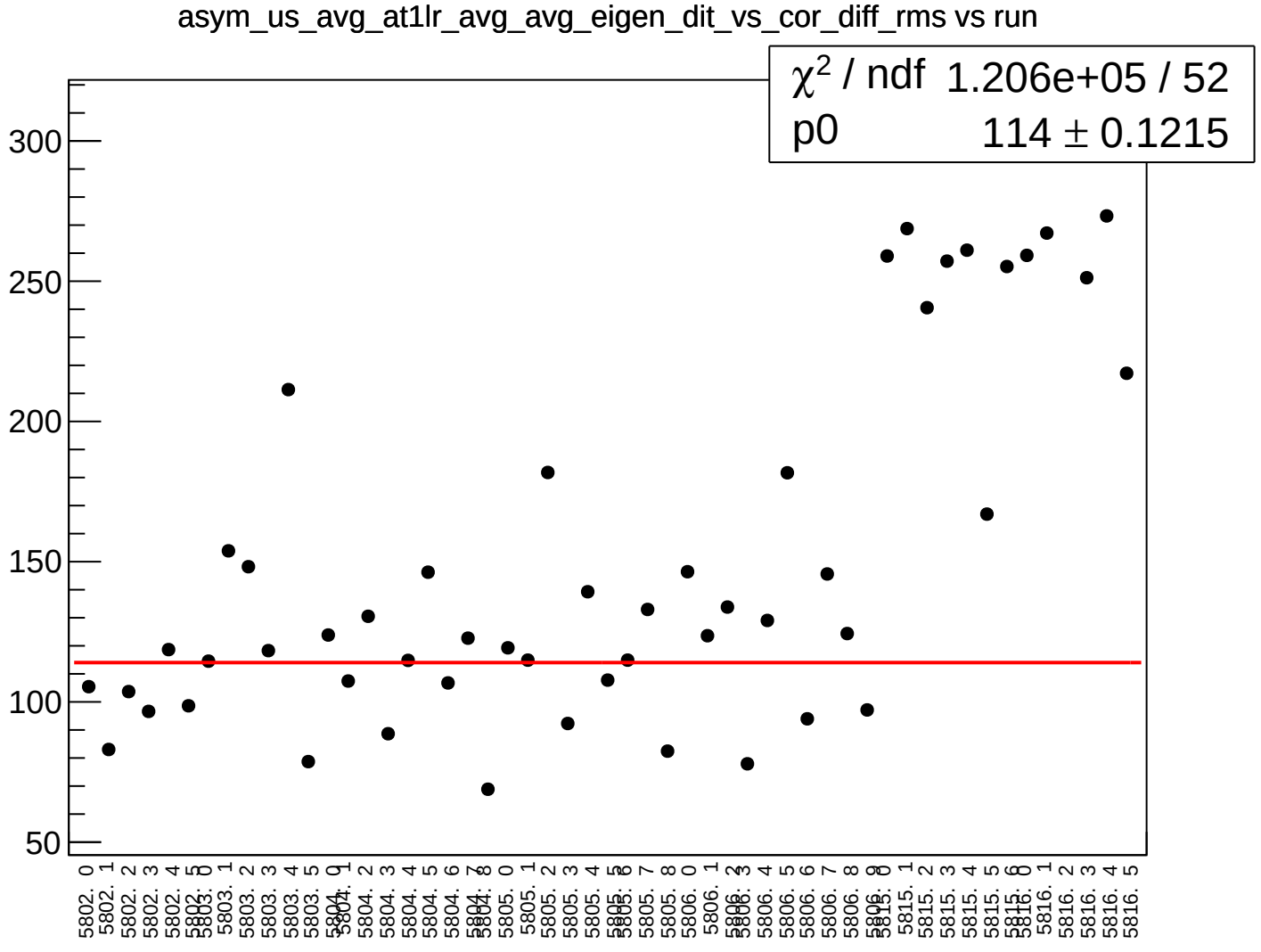

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.08 / 52
p0 3.668e−06 ± 8.296e−06
pull
Entries 53
Mean −81.71
Std Dev 0

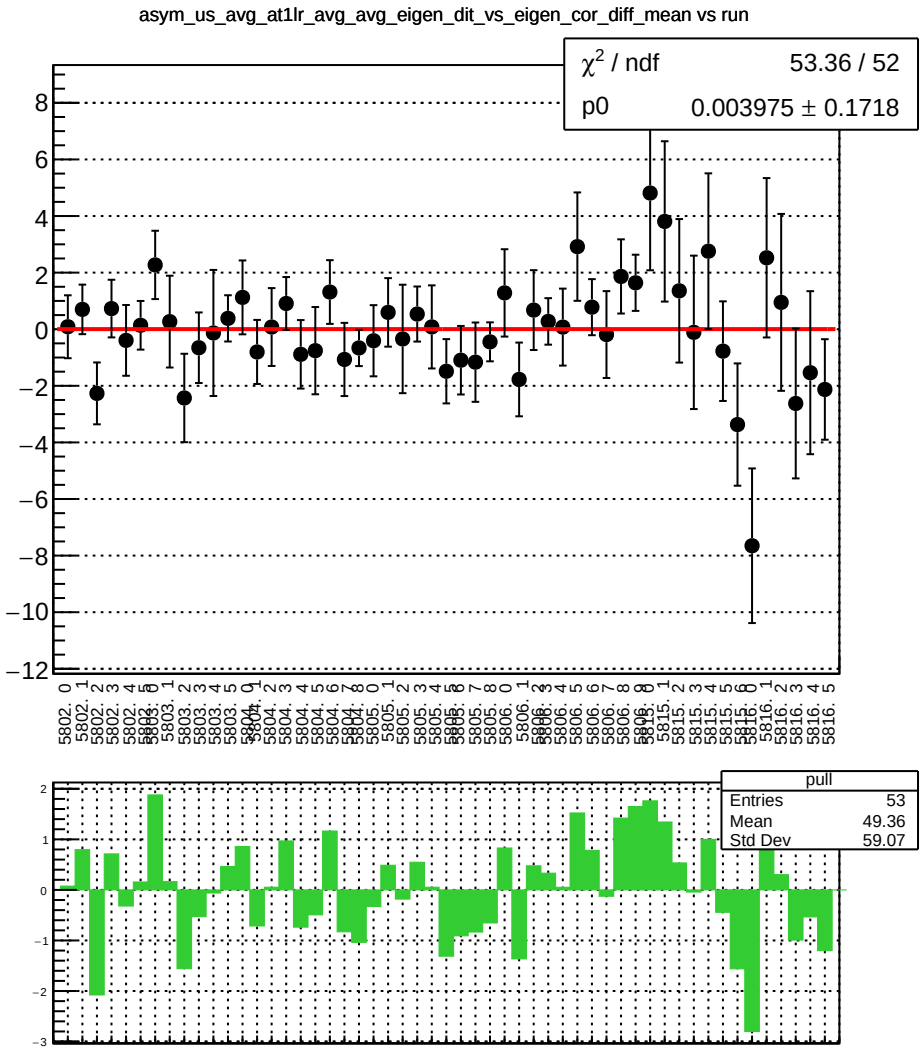

pull1D
Entries 53
Mean −0.02721
Std Dev 1.116

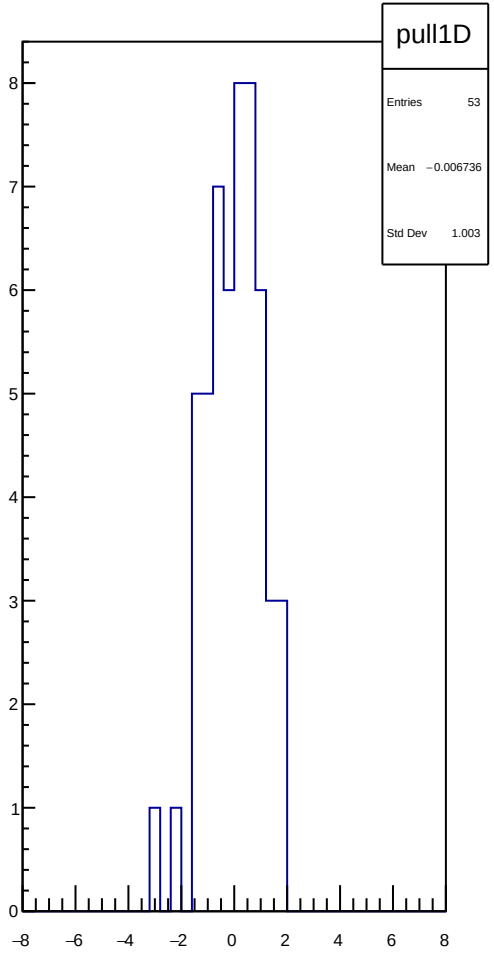

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3677 / 52
p0 0.00586 ± 5.866e−06
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052

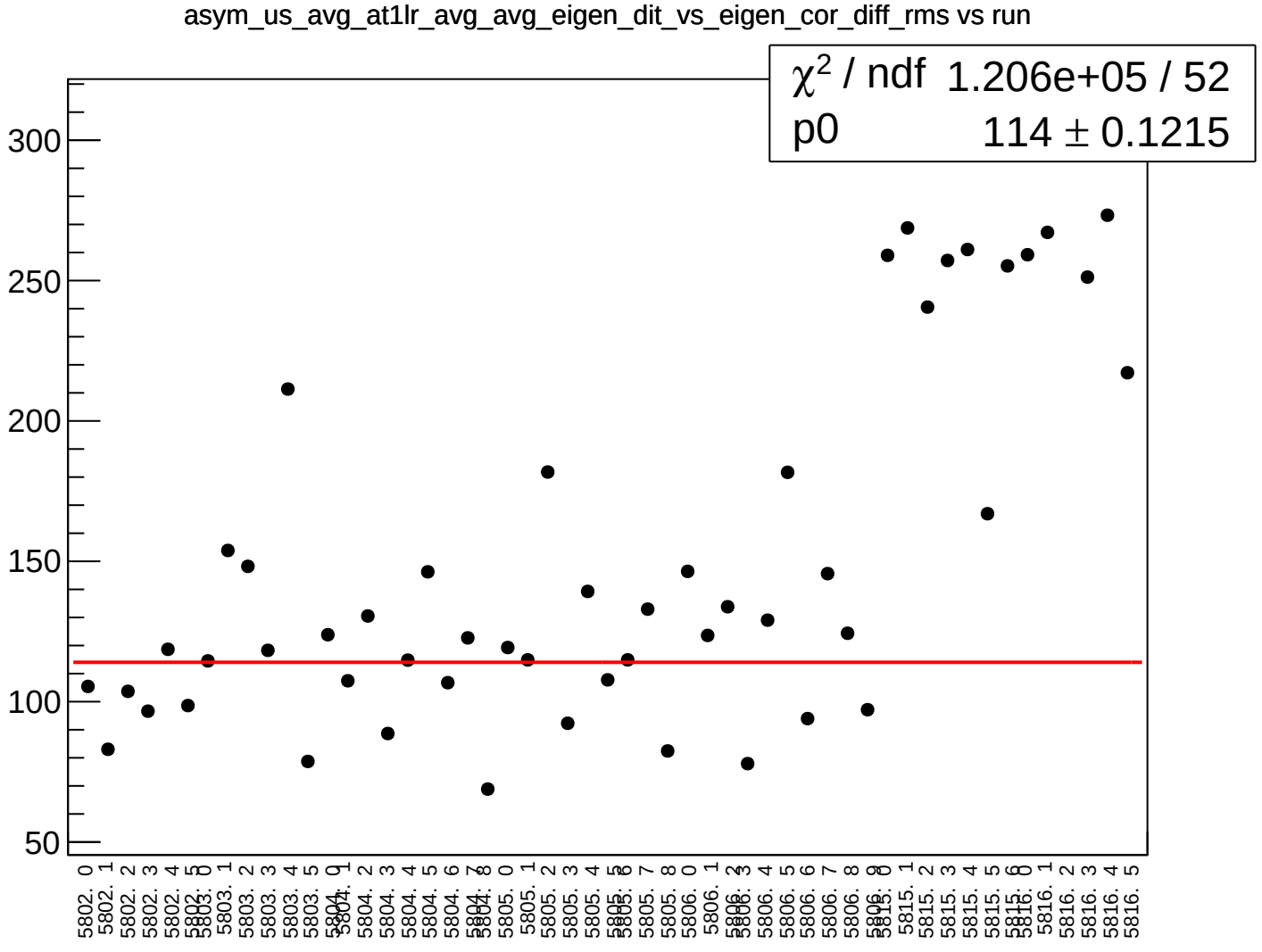

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.36 / 52
p0 0.003975 ± 0.1718
pull
Entries 53
Mean 49.36
Std Dev 59.07

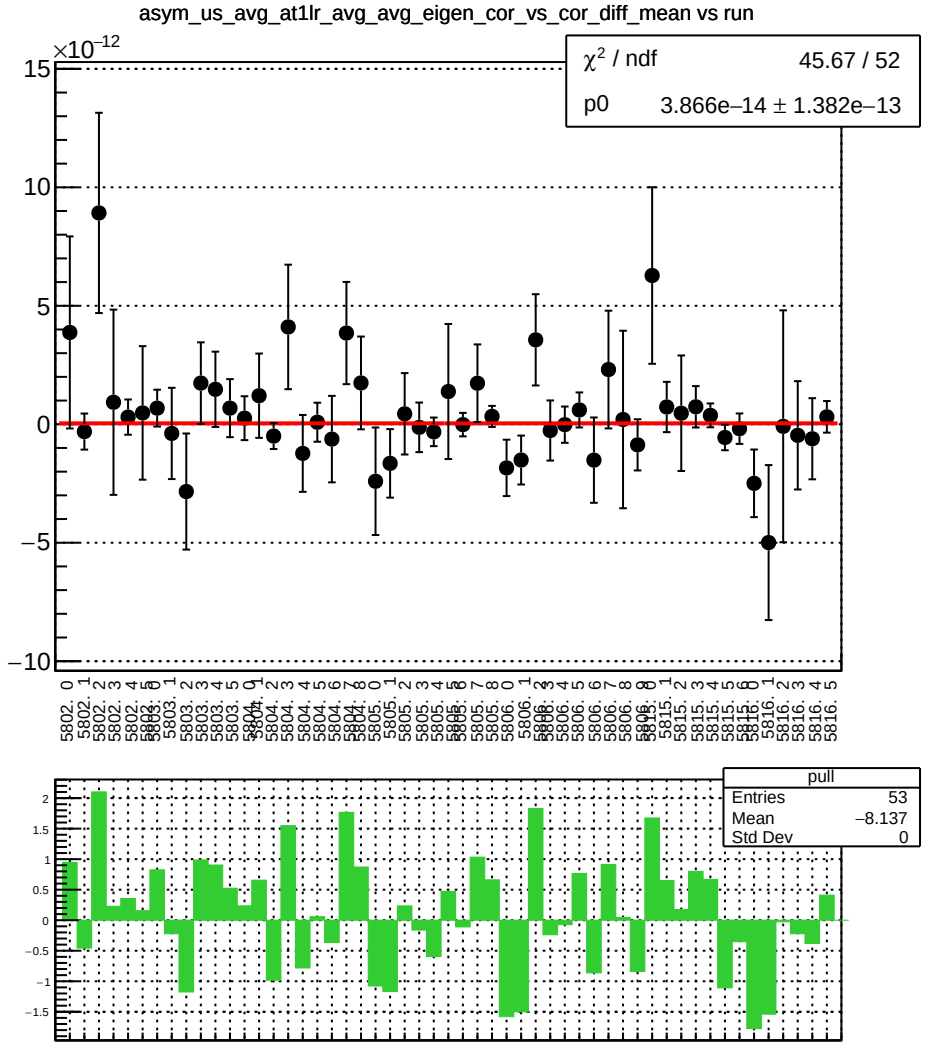

pull1D
Entries 53
Mean −0.006736
Std Dev 1.003

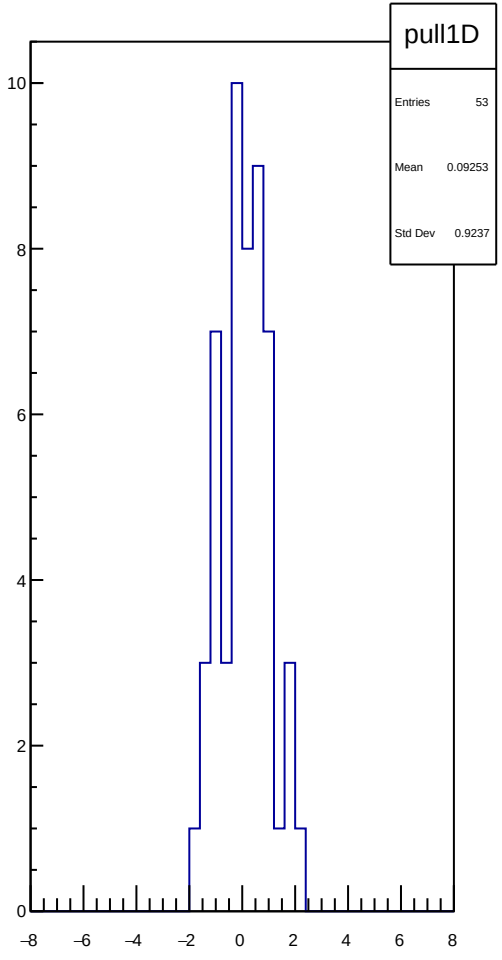

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.206e+05 / 52
p0 114 ± 0.1215
300
250
200
150
100
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

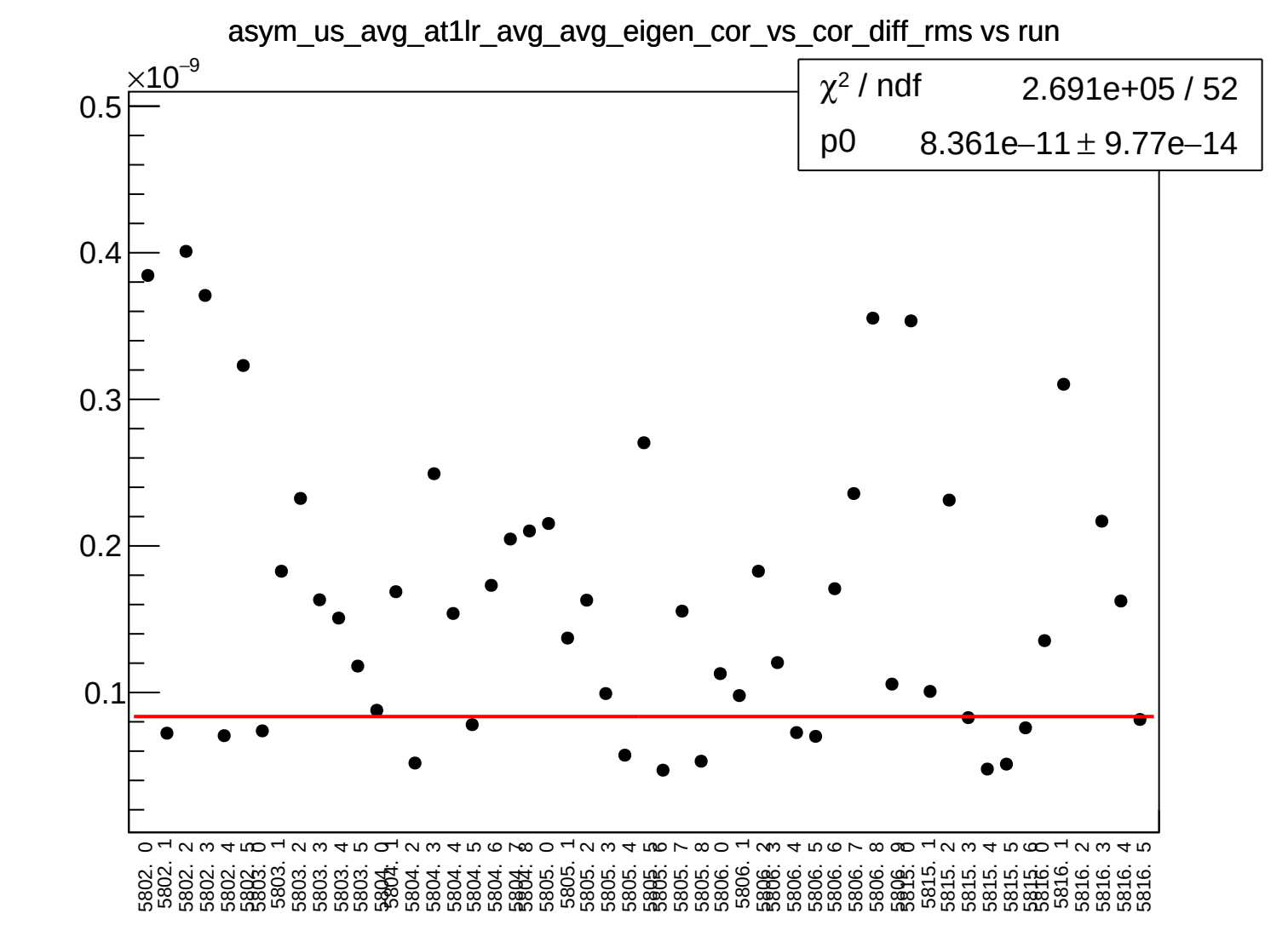

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.36 / 52
p0 0.003975 ± 0.1718
pull
Entries 53
Mean 49.36
Std Dev 59.07

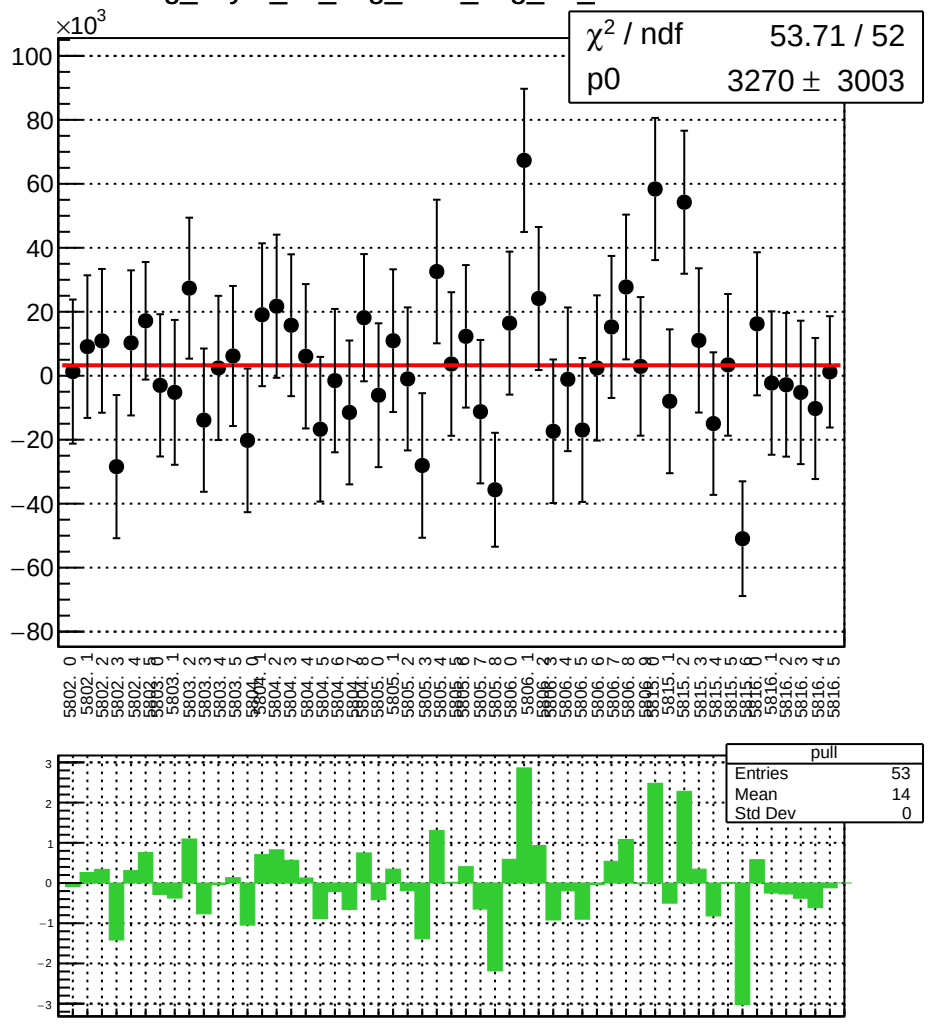

pull1D
Entries 53
Mean −0.006736
Std Dev 1.003

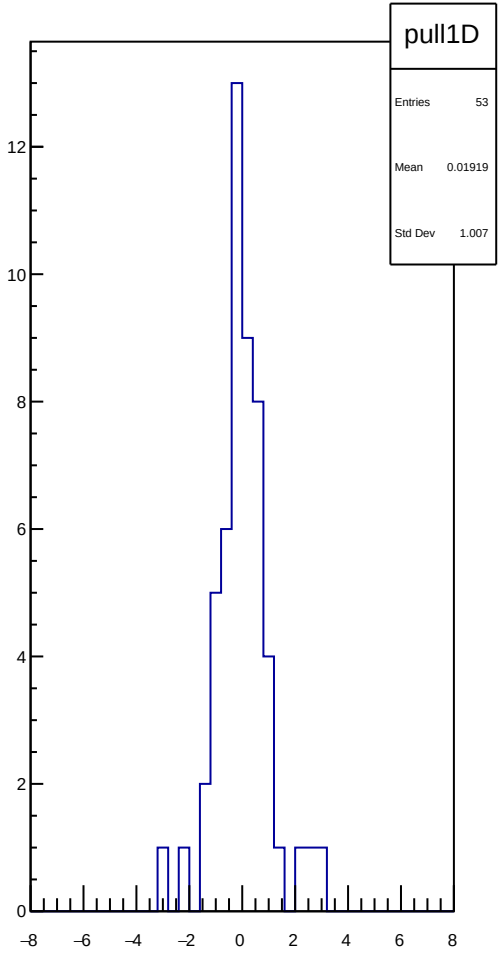

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.206e+05 / 52
p0 114 ± 0.1215
300
250
200
150
100
50

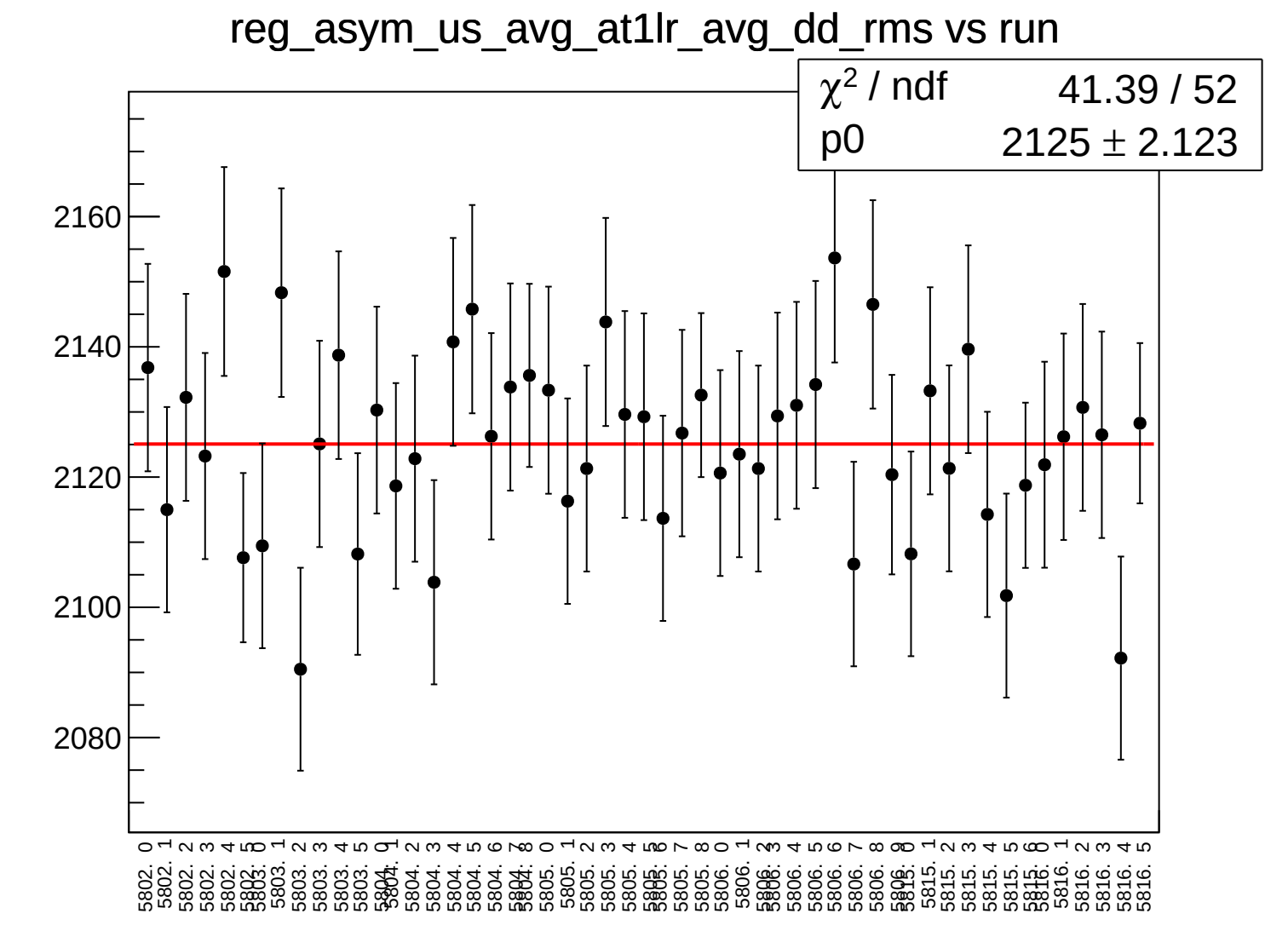

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.67 / 52
p0 3.866e−14 ± 1.382e−13
pull
Entries 53
Mean −8.137
Std Dev 0

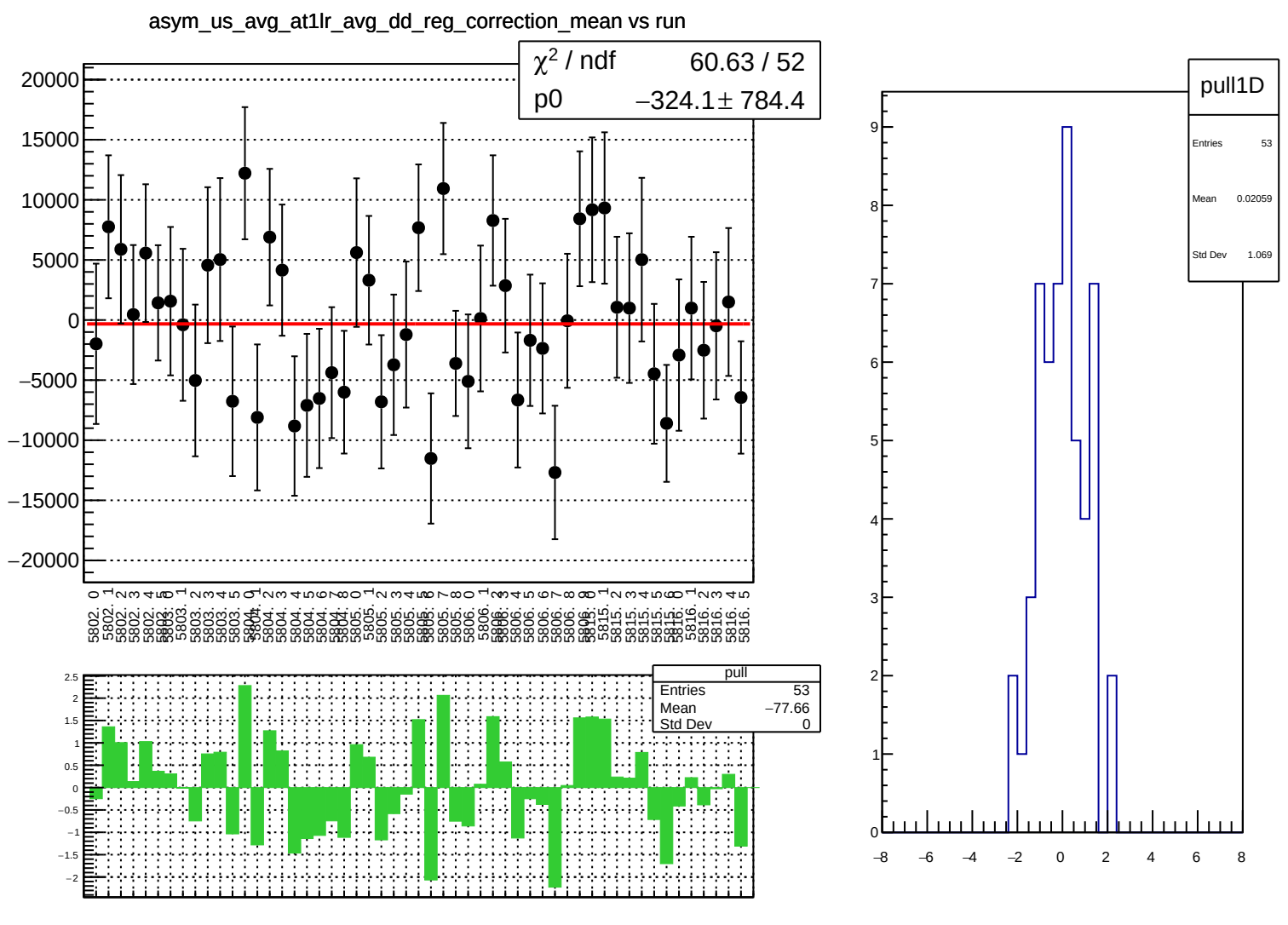

pull1D
Entries 53
Mean 0.09253
Std Dev 0.9237

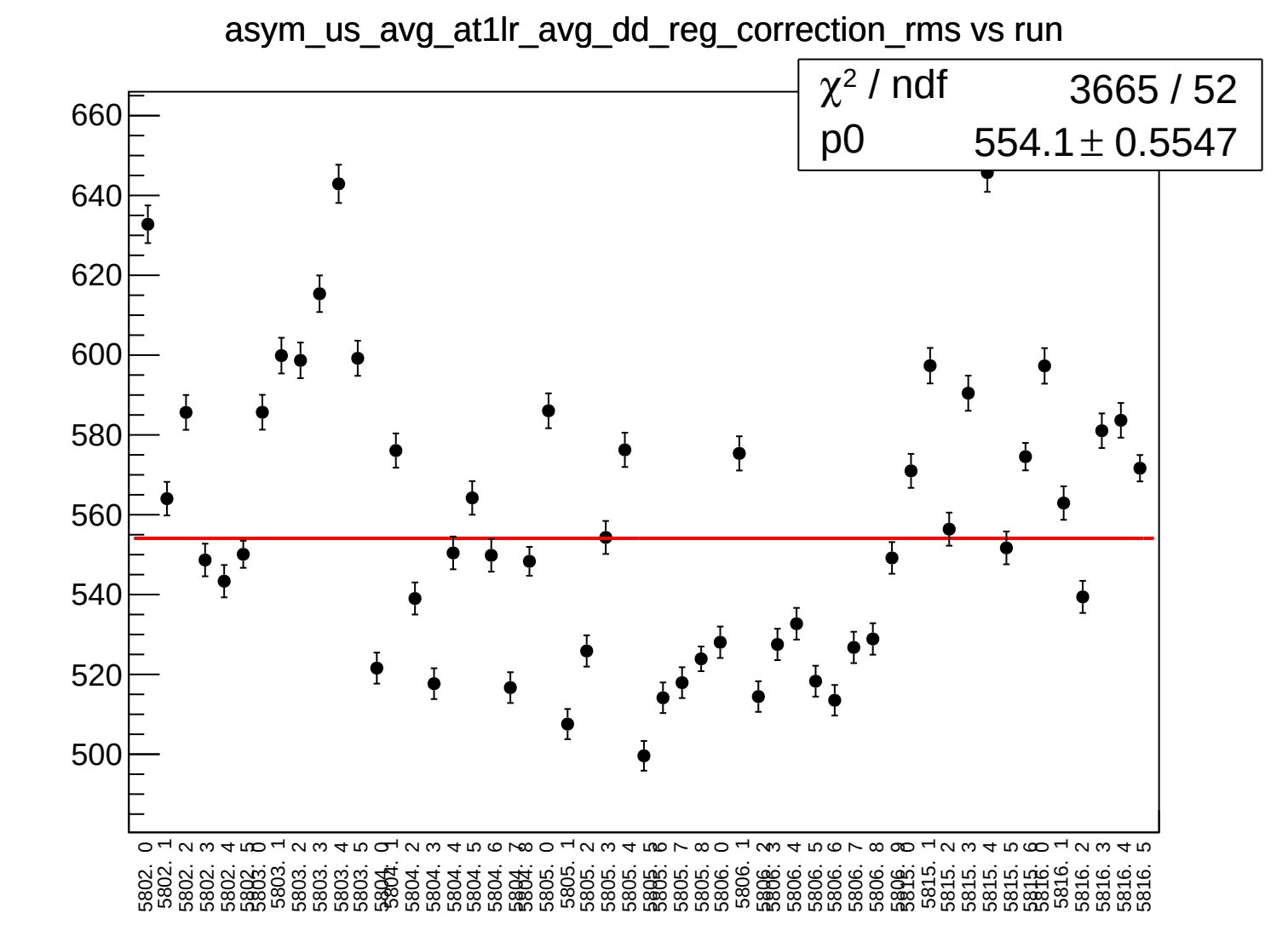

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.691e+05 / 52
p0 8.361e−11 ± 9.77e−14
0.5
0.4
0.3
0.2
0.1

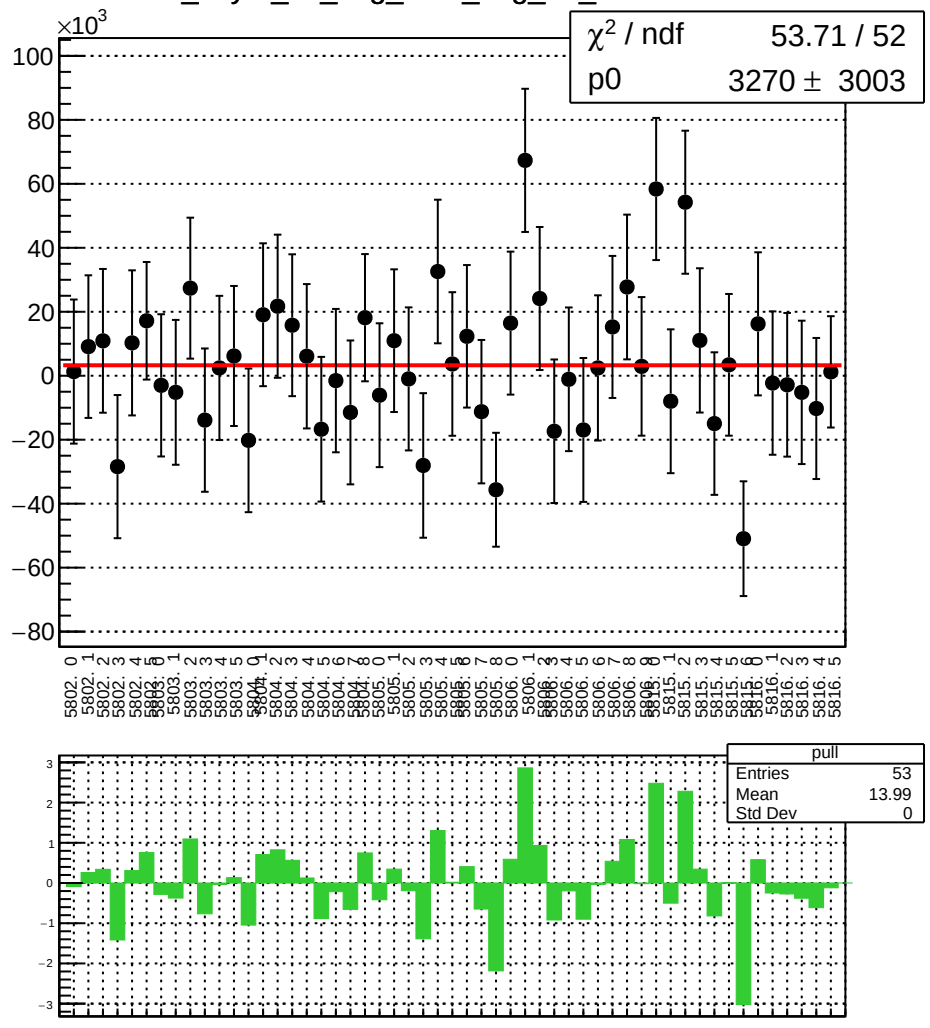

reg_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 53.71 / 52
p0 3270 ± 3003
pull
Entries 53
Mean 14
Std Dev 0

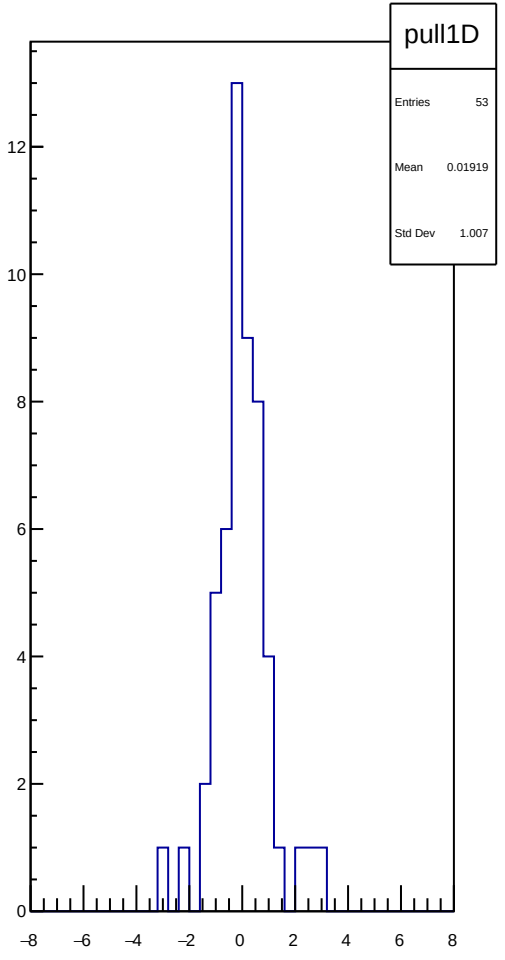

pull1D
Entries 53
Mean 0.01919
Std Dev 1.007

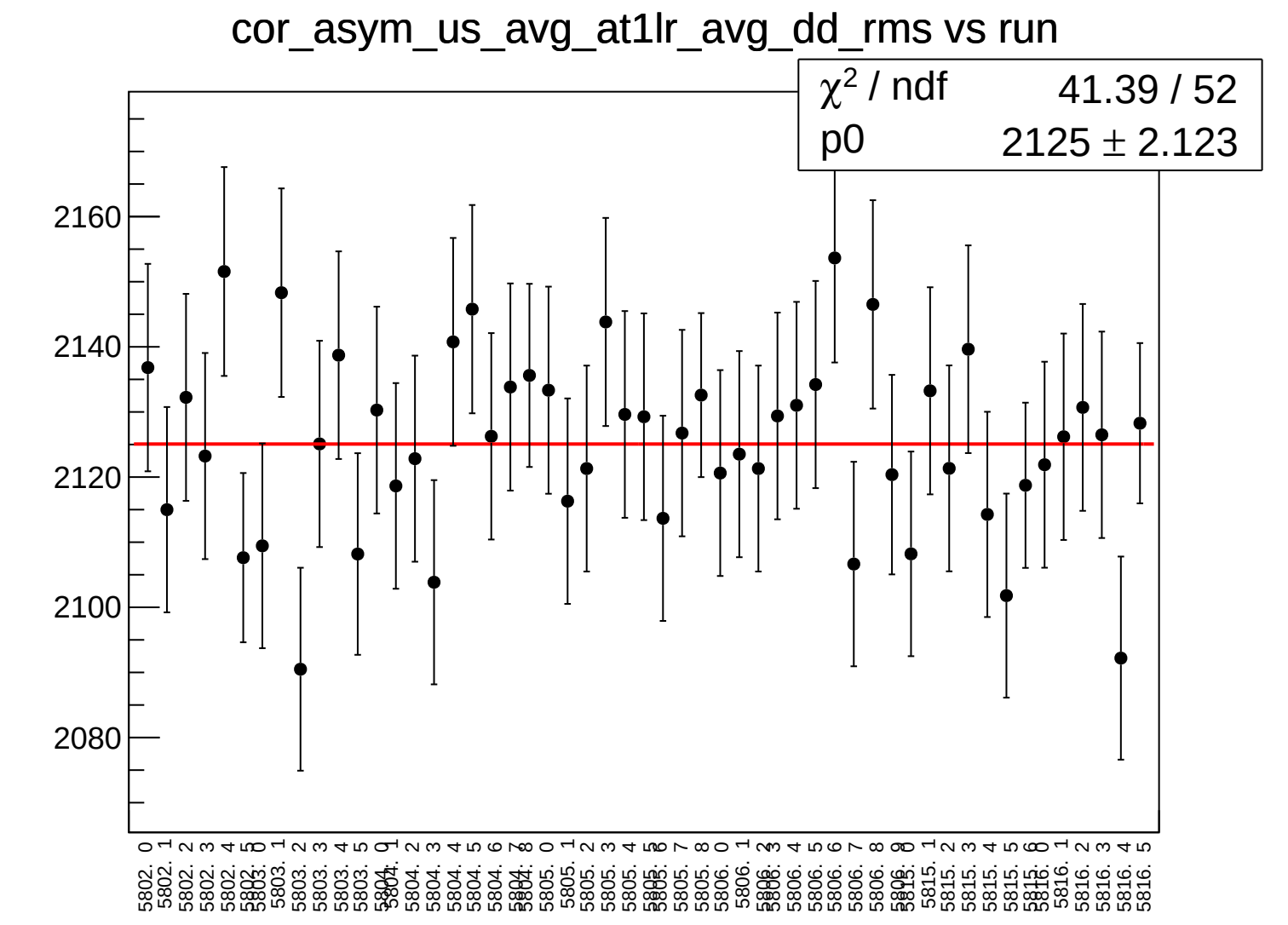

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 41.39 / 52
p0 2125 ± 2.123
2160
2140
2120
2100
2080

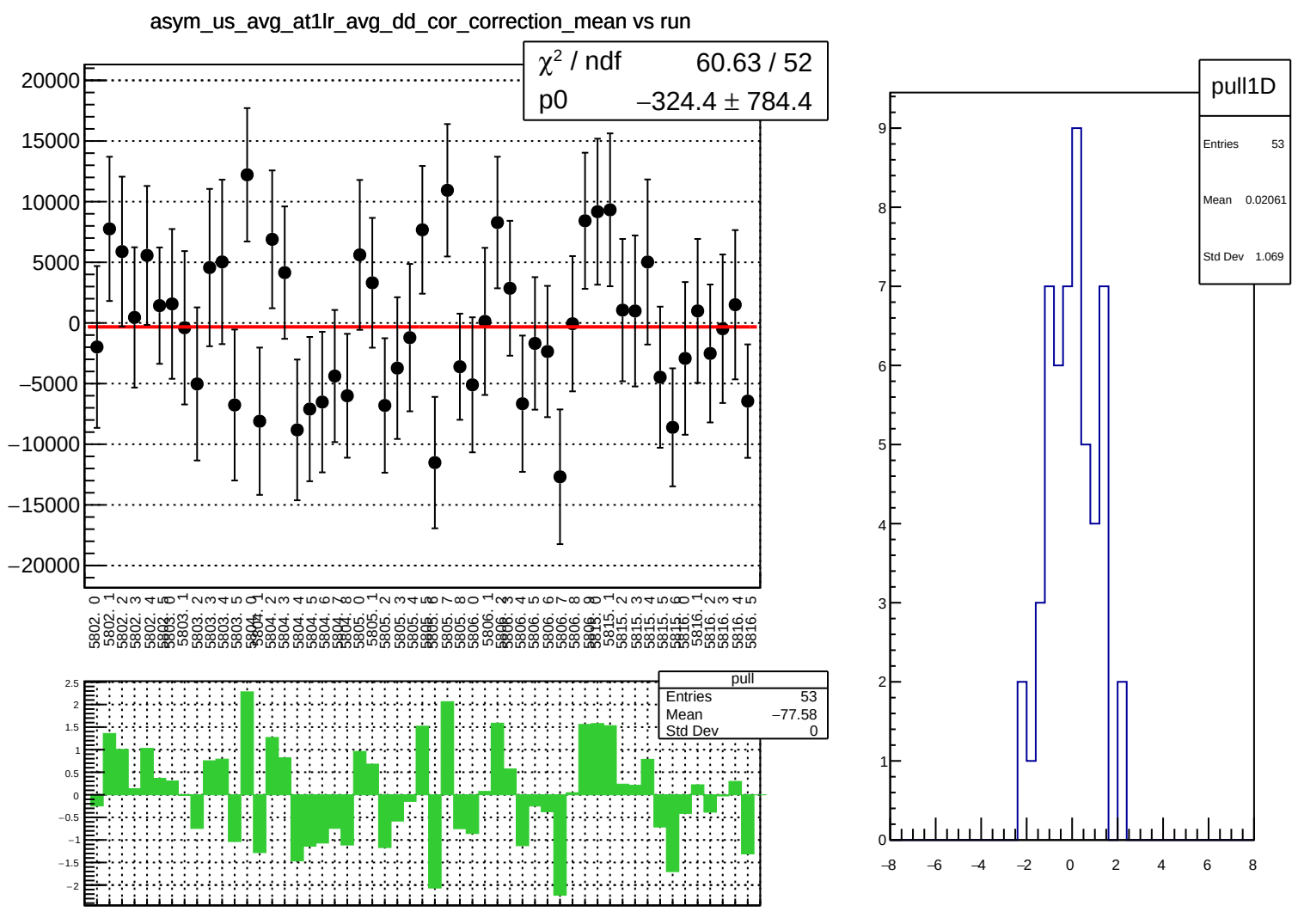

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 60.63 / 52
p0 −324.1± 784.4
pull
Entries 53
Mean −77.66
Std Dev 0
pull1D
Entries 53
Mean 0.02059
Std Dev 1.069

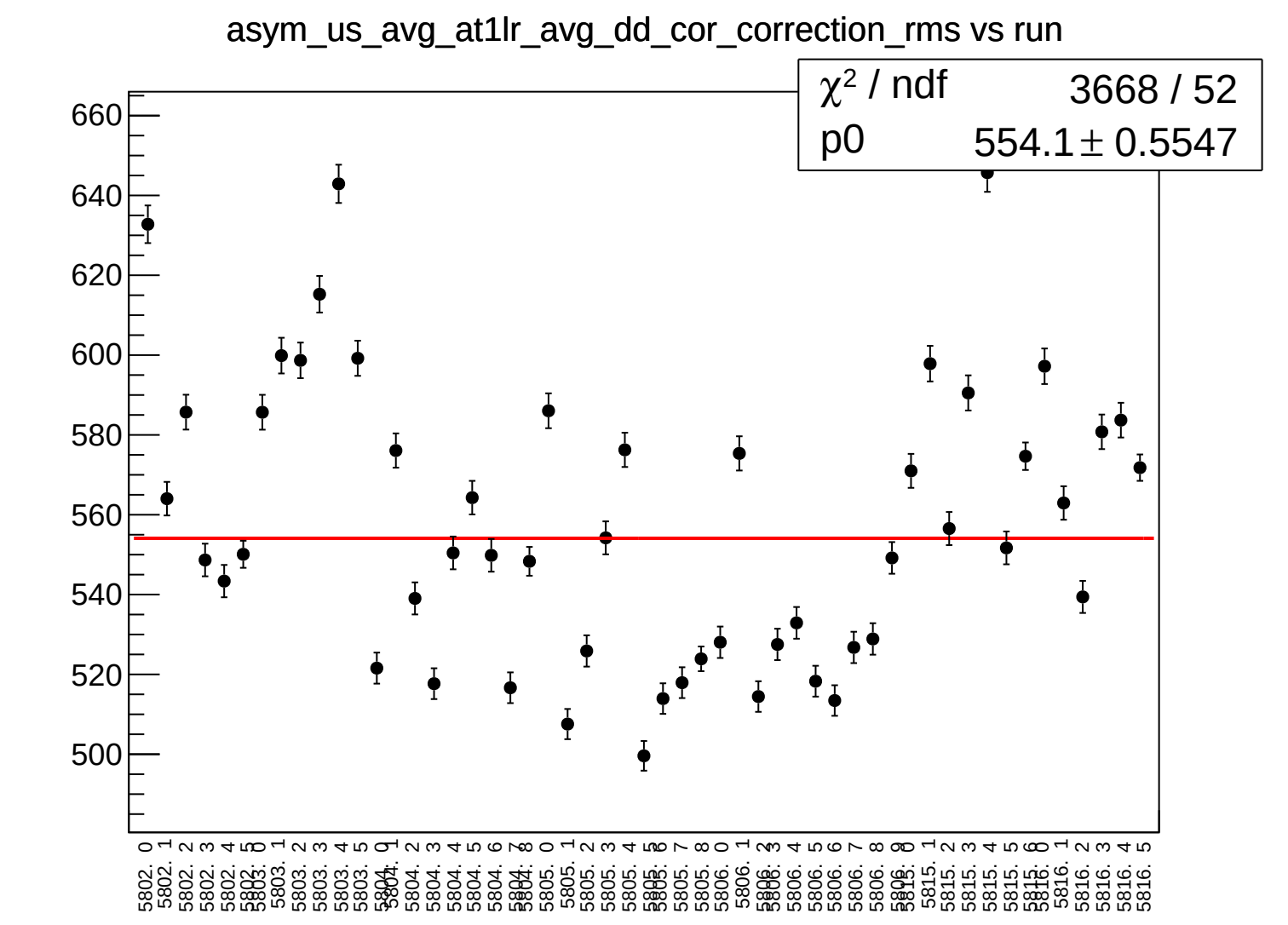

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3665 / 52
p0 554.1 ± 0.5547
660
640
620
600
580
560
540
520
500

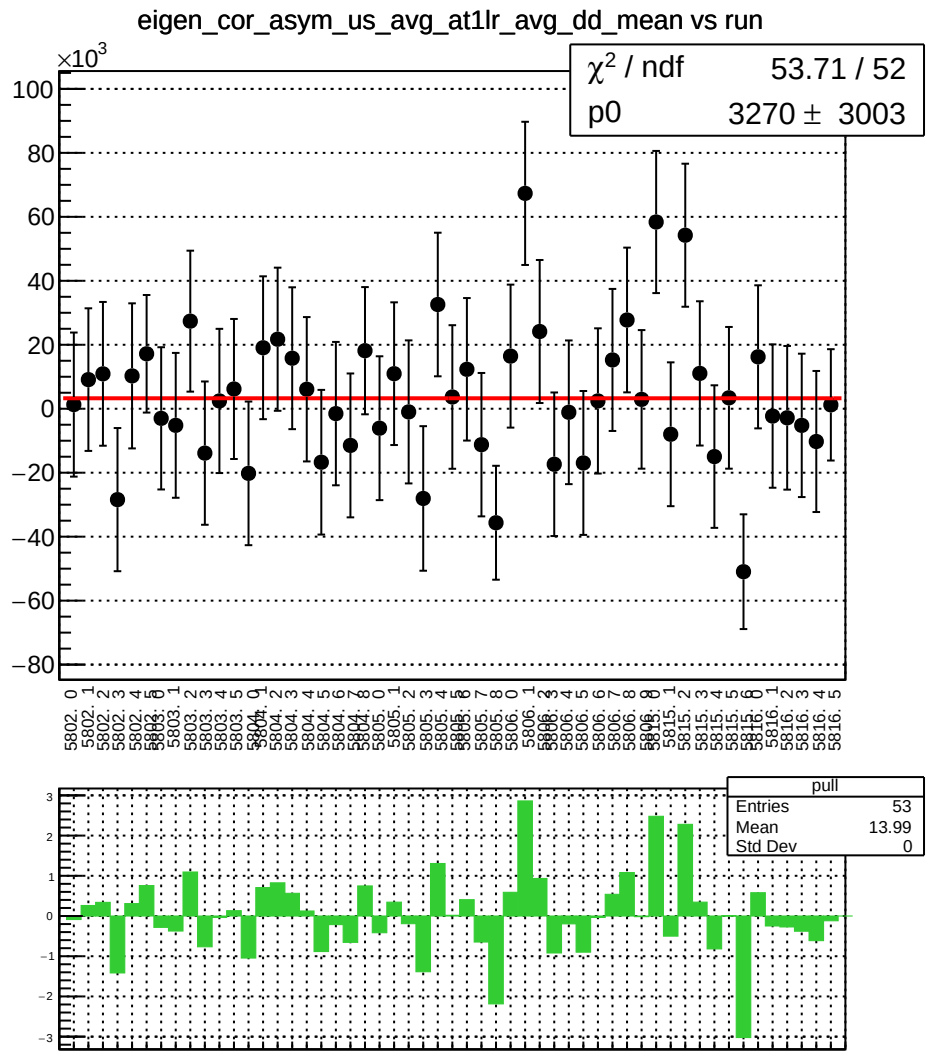

cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 53.71 / 52
p0 3270 ± 3003
pull
Entries 53
Mean 13.99
Std Dev 0

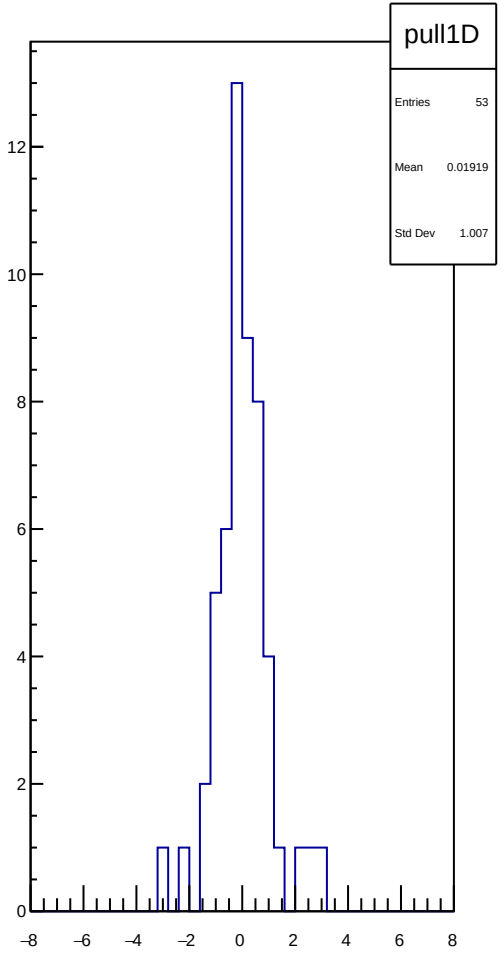

pull1D
Entries 53
Mean 0.01919
Std Dev 1.007

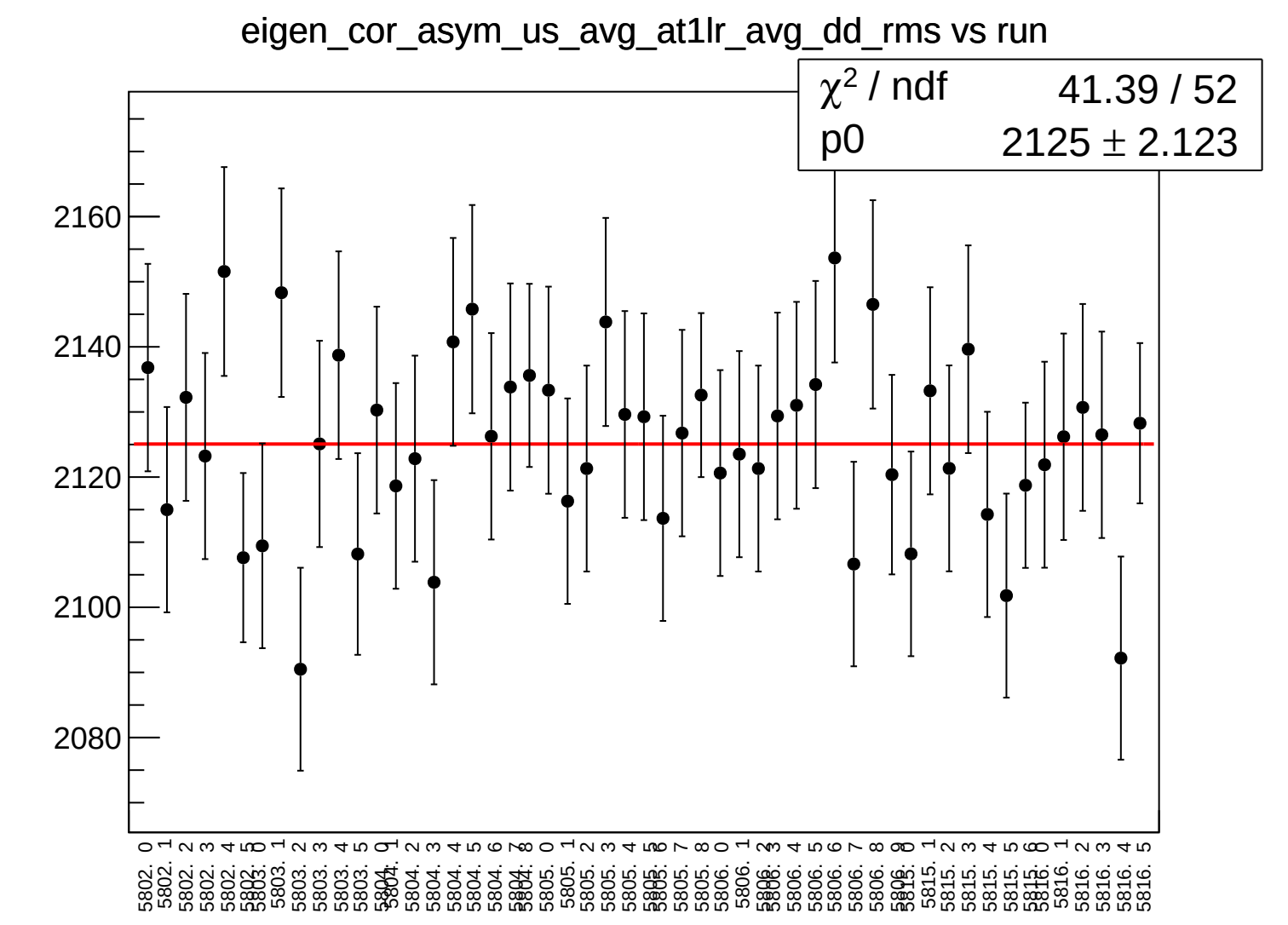

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 41.39 / 52
p0 2125 ± 2.123
2160
2140
2120
2100
2080

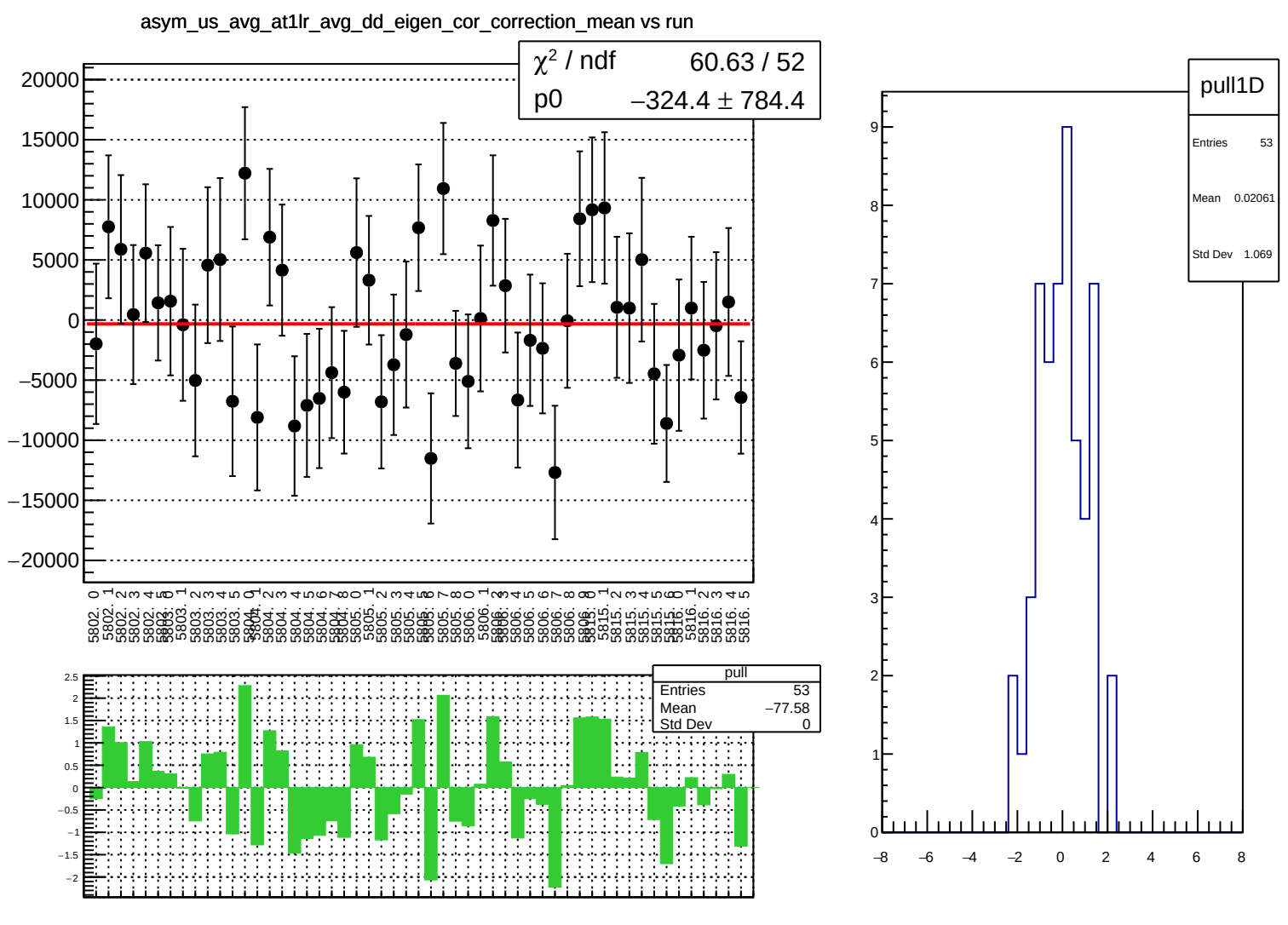

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 60.63 / 52
p0 −324.4 ± 784.4
pull
Entries 53
Mean −77.58
Std Dev 0
pull1D
Entries 53
Mean 0.02061
Std Dev 1.069

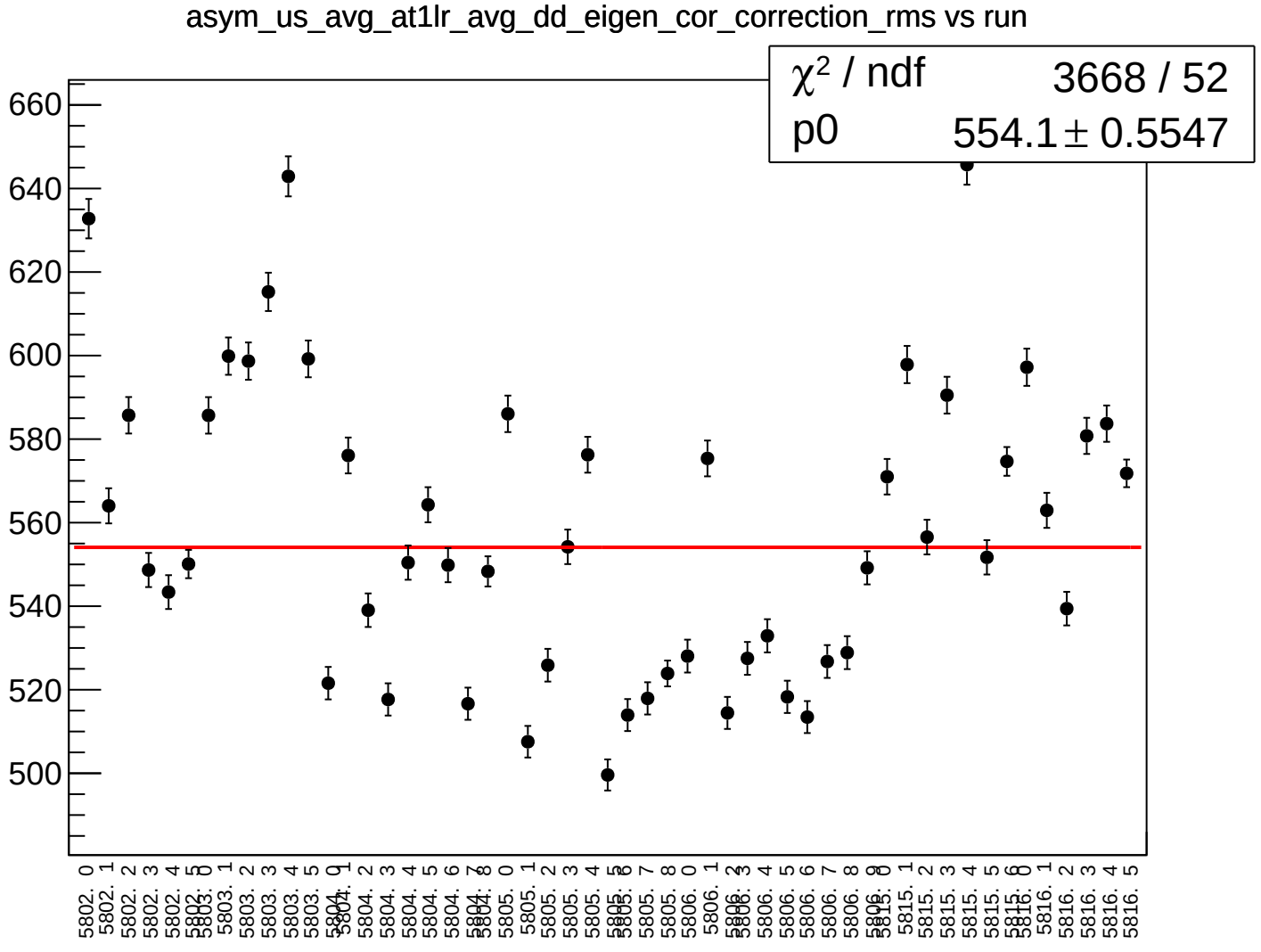

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3668 / 52
p0 554.1 ± 0.5547
660
640
620
600
580
560
540
520
500


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 53.71 / 52
p0 3270 ± 3003
×10³
pull
Entries 53
Mean 13.99
Std Dev 0


pull1D
Entries 53
Mean 0.01919
Std Dev 1.007


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 41.39 / 52
p0 2125 ± 2.123
2160
2140
2120
2100
2080


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.63 / 52
p0 −324.4 ± 784.4
pull
Entries 53
Mean −77.58
Std Dev 0
pull1D
Entries 53
Mean 0.02061
Std Dev 1.069


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3668 / 52
p0 554.1 ± 0.5547
660
640
620
600
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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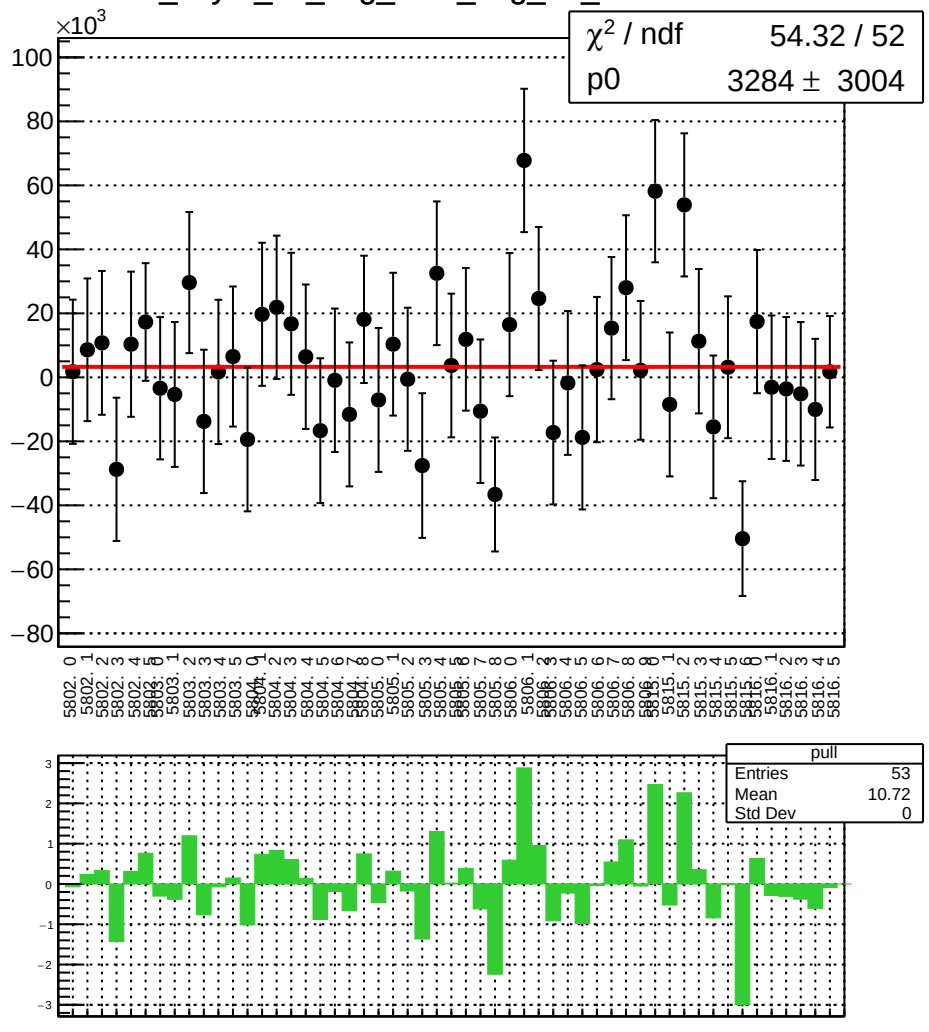
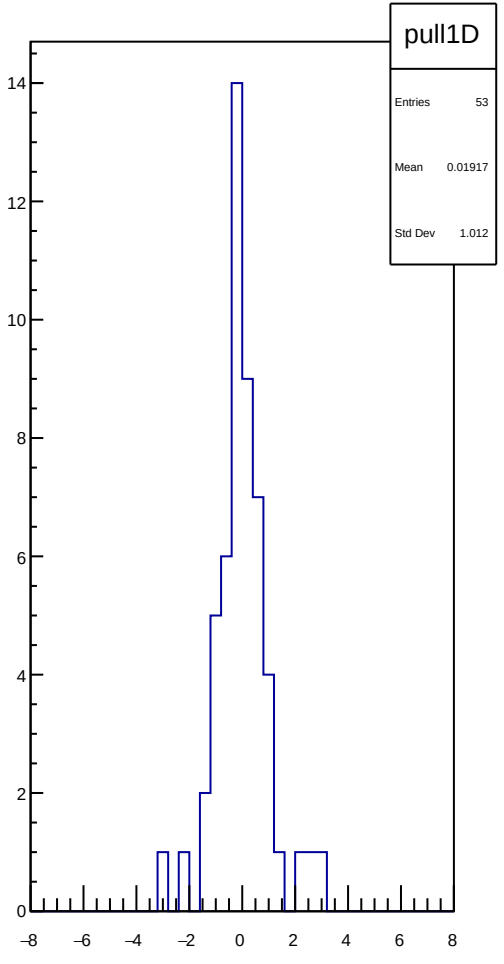
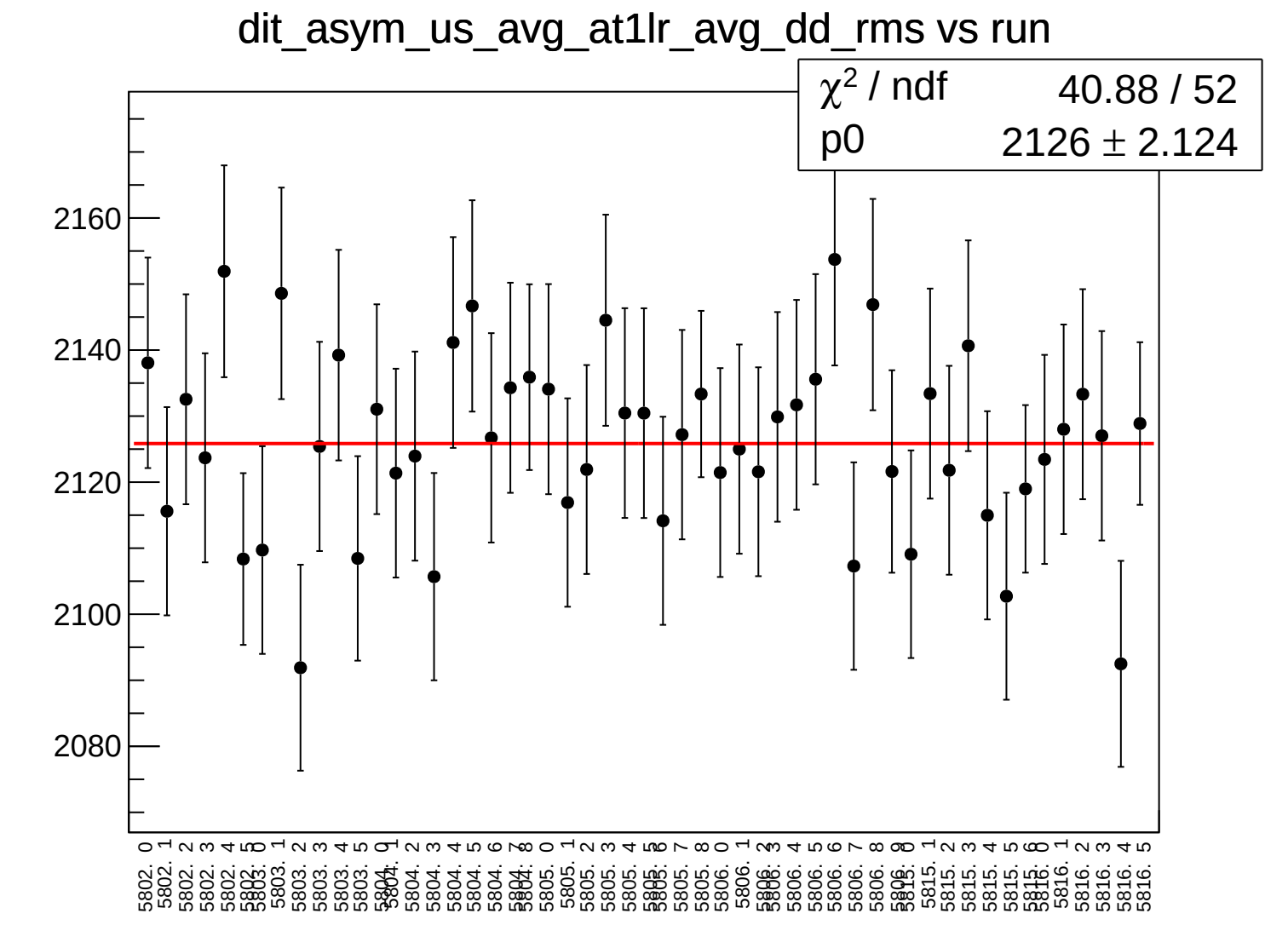
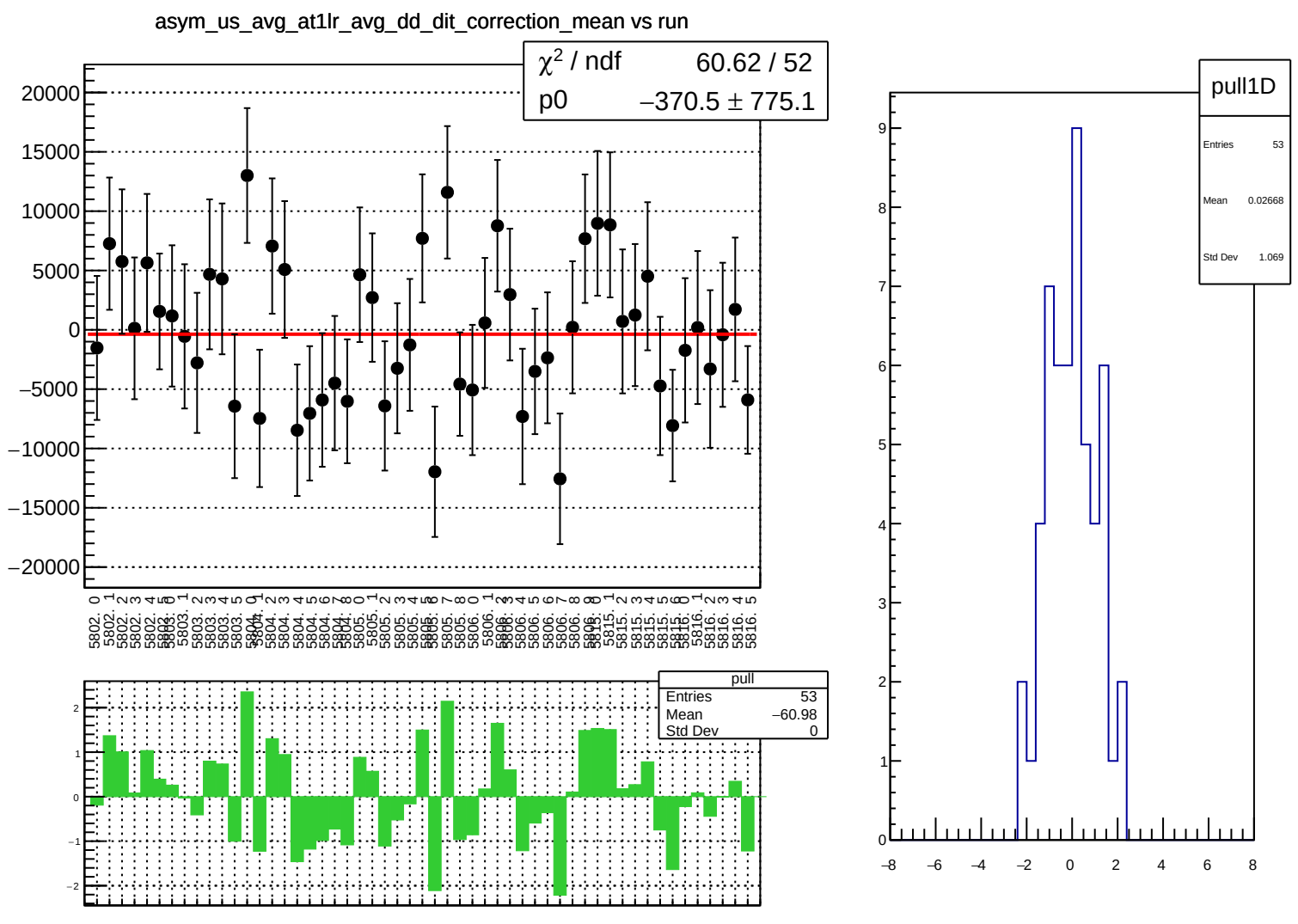
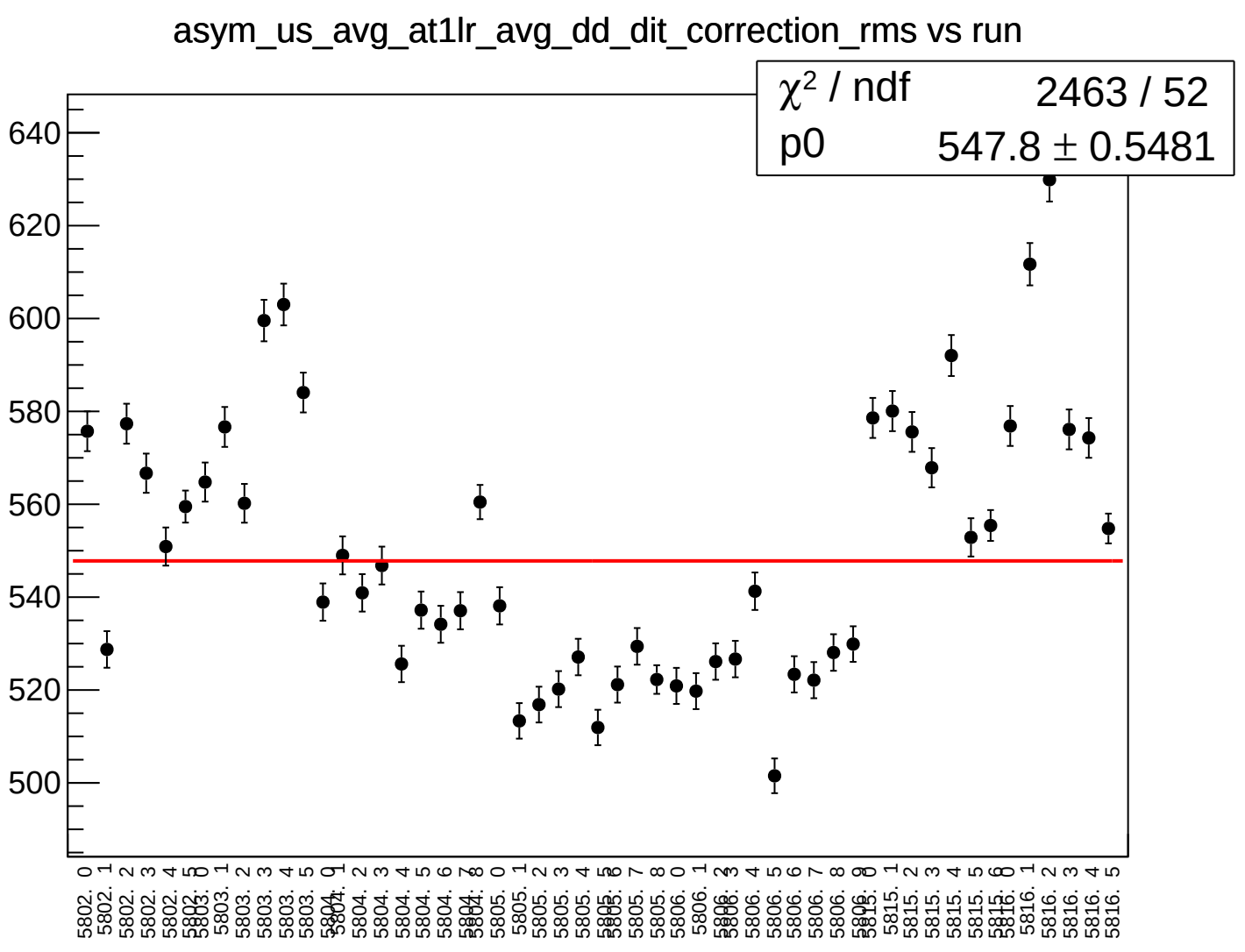
5816. 4
5816. 5


dit_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 54.32 / 52
p0 3284 ± 3004
pull
Entries 53
Mean 10.72
Std Dev 0


pull1D
Entries 53
Mean 0.01917
Std Dev 1.012


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 40.88 / 52
p0 2126 ± 2.124
2160
2140
2120
2100
2080


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 60.62 / 52
p0 −370.5 ± 775.1
pull
Entries 53
Mean −60.98
Std Dev 0
pull1D
Entries 53
Mean 0.02668
Std Dev 1.069


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2463 / 52
p0 547.8 ± 0.5481
640
620
600
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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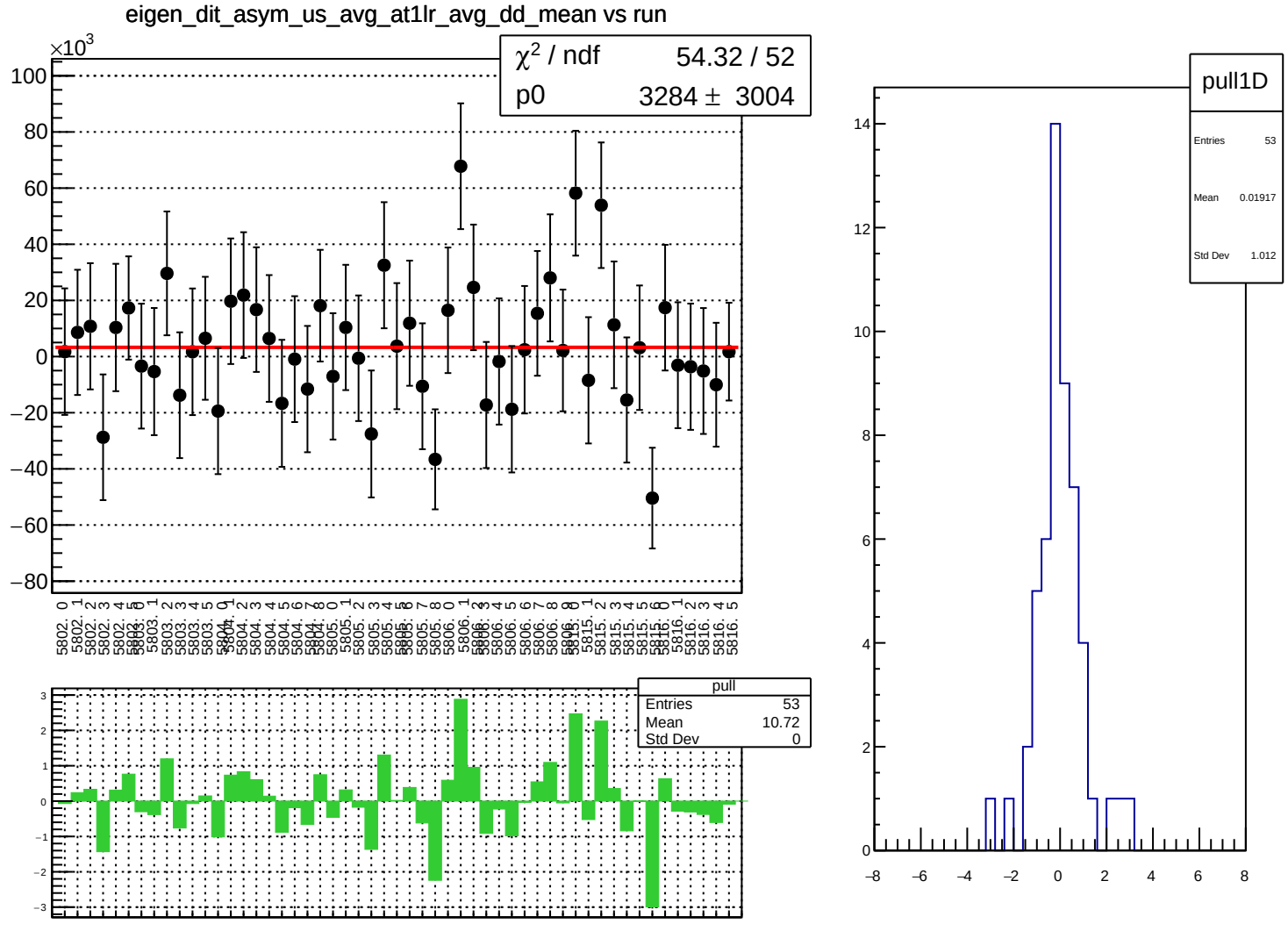
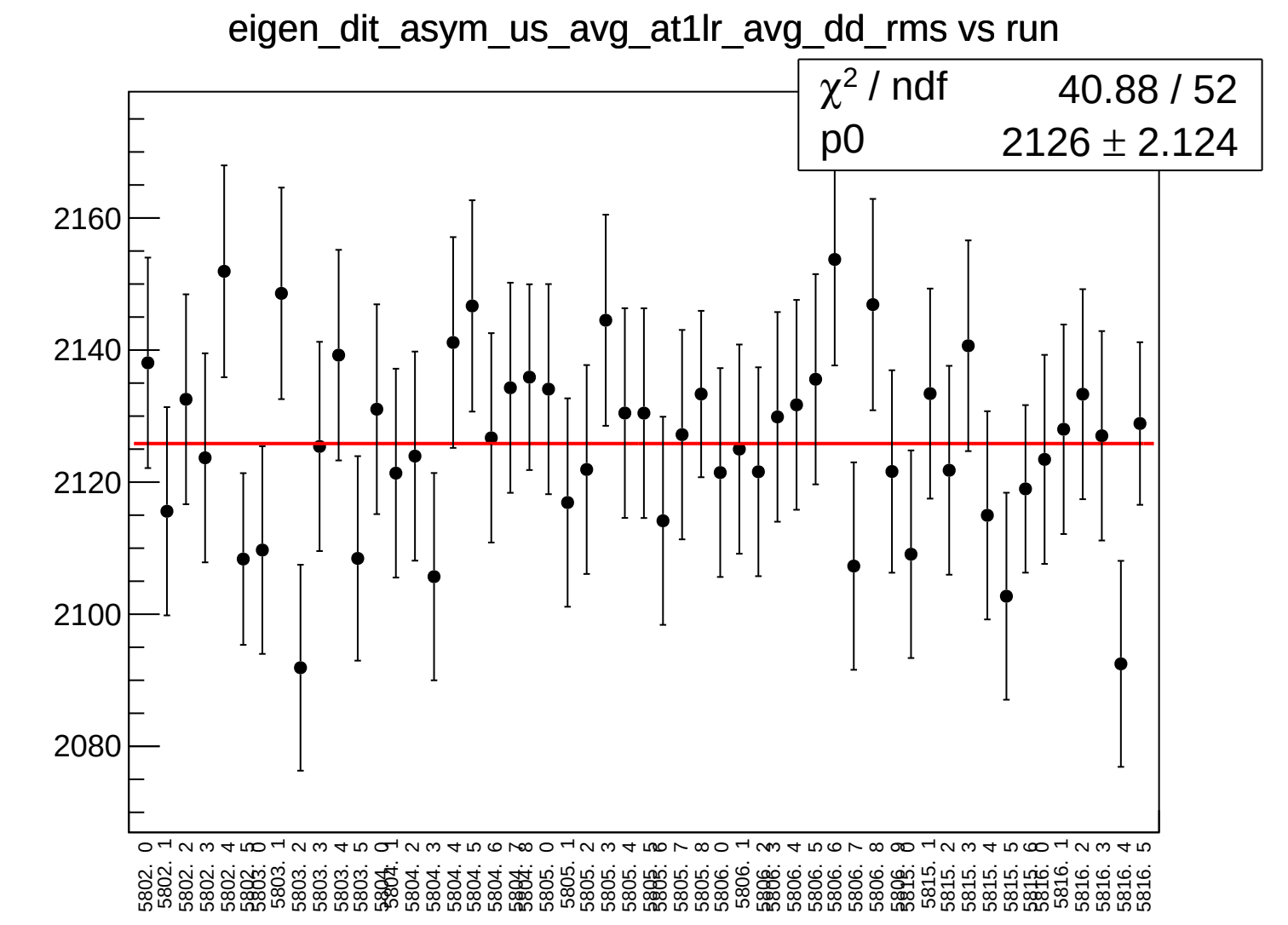
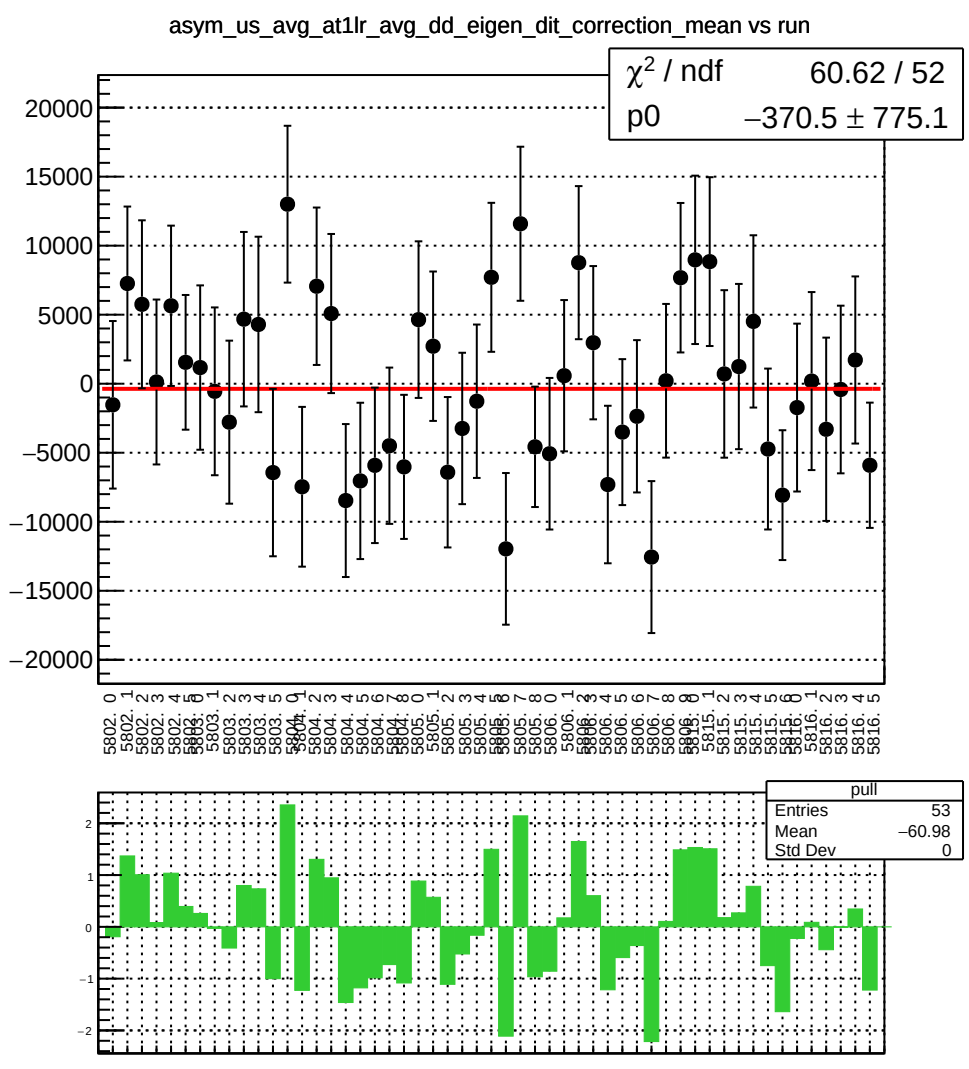
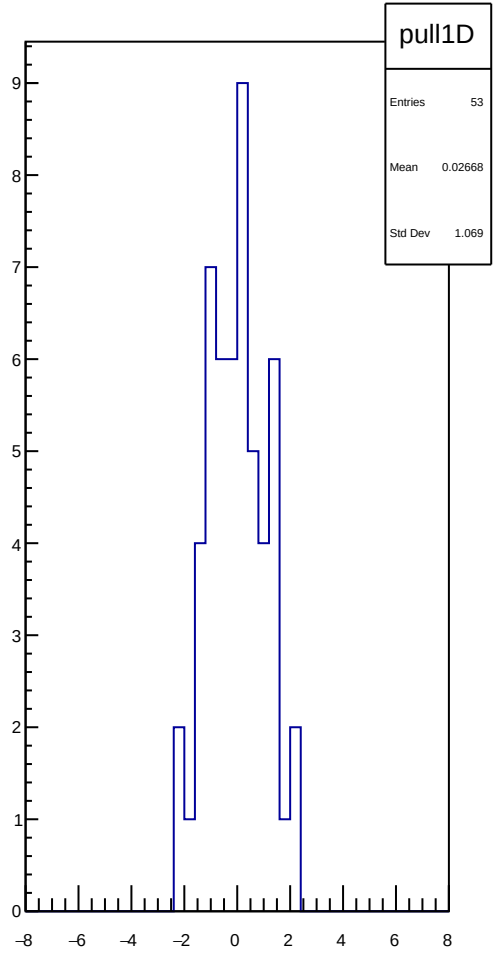
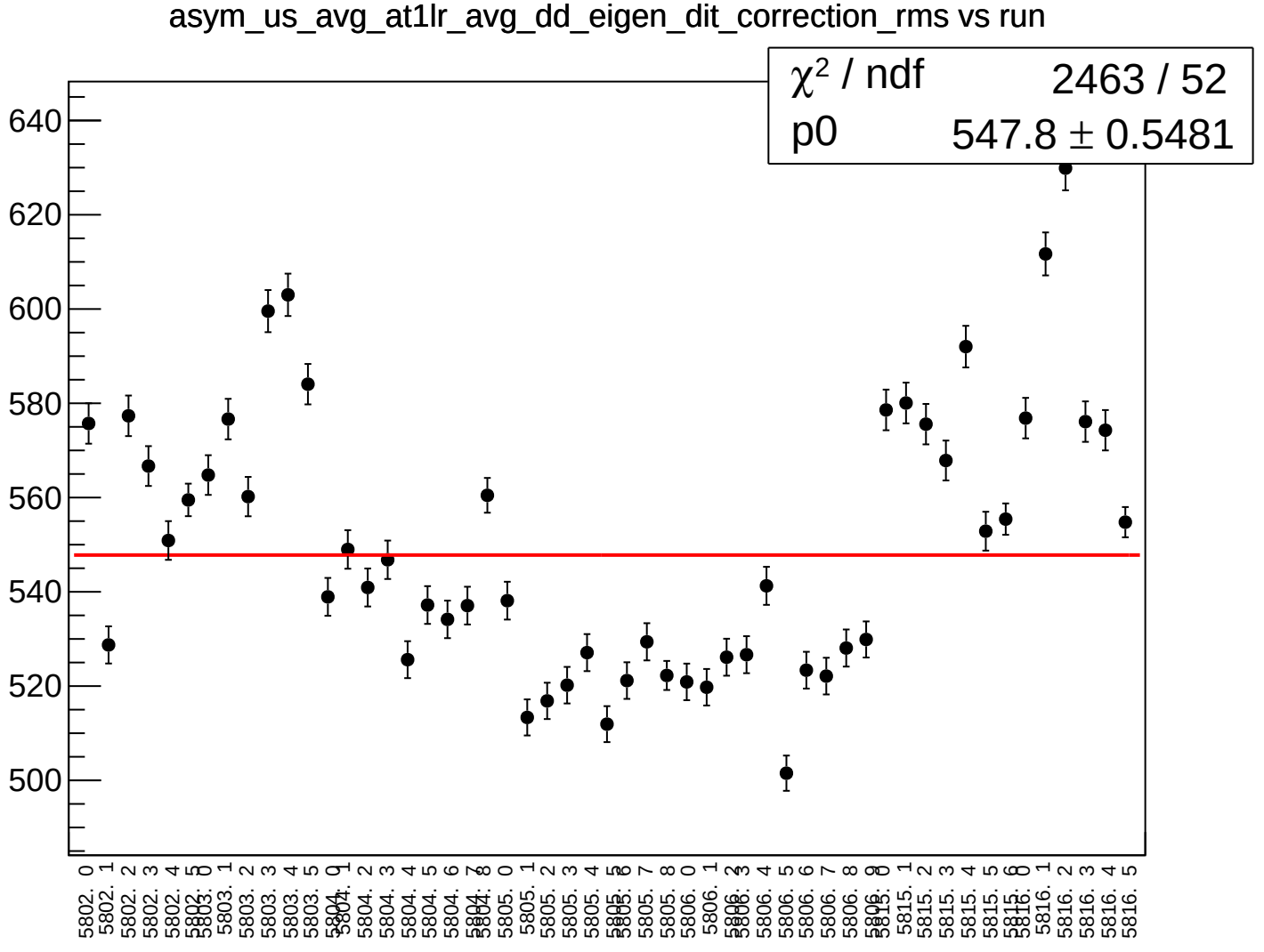
5816. 5


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ^2 / ndf 54.32 / 52
p0 3284 ± 3004
pull
Entries 53
Mean 10.72
Std Dev 0
pull1D
Entries 53
Mean 0.01917
Std Dev 1.012


eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 40.88 / 52
p0 2126 ± 2.124
2160
2140
2120
2100
2080


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 60.62 / 52
p0 −370.5 ± 775.1
pull
Entries 53
Mean −60.98
Std Dev 0


pull1D
Entries 53
Mean 0.02668
Std Dev 1.069


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2463 / 52
p0 547.8 ± 0.5481
640
620
600
580
560
540
520
500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
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5806. 4
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5806. 7
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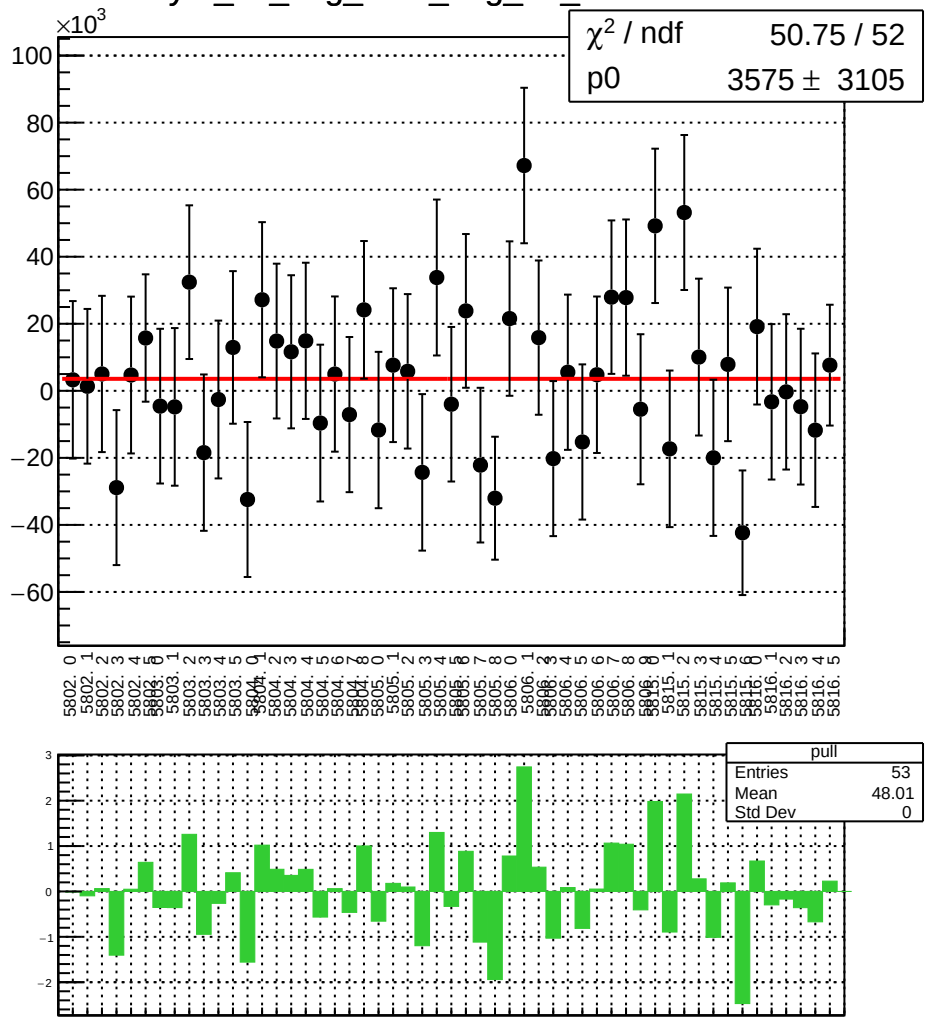
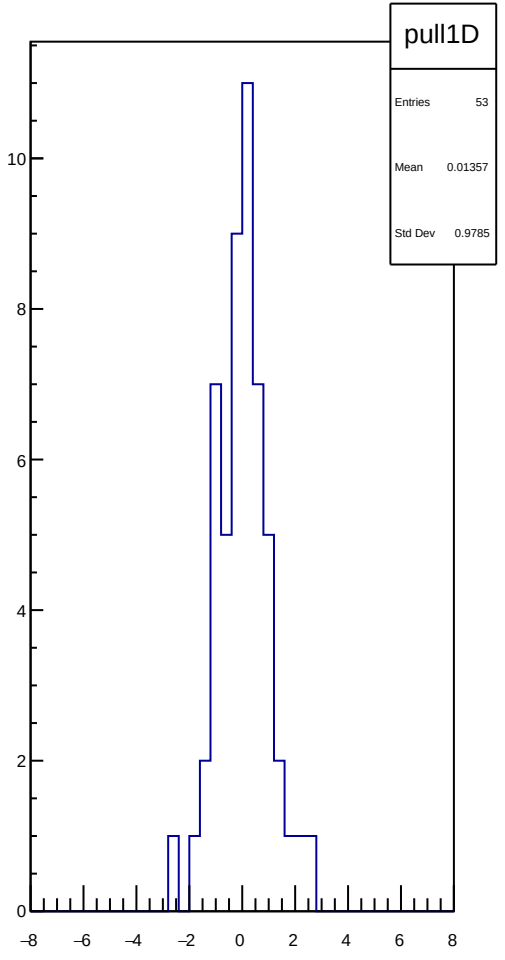
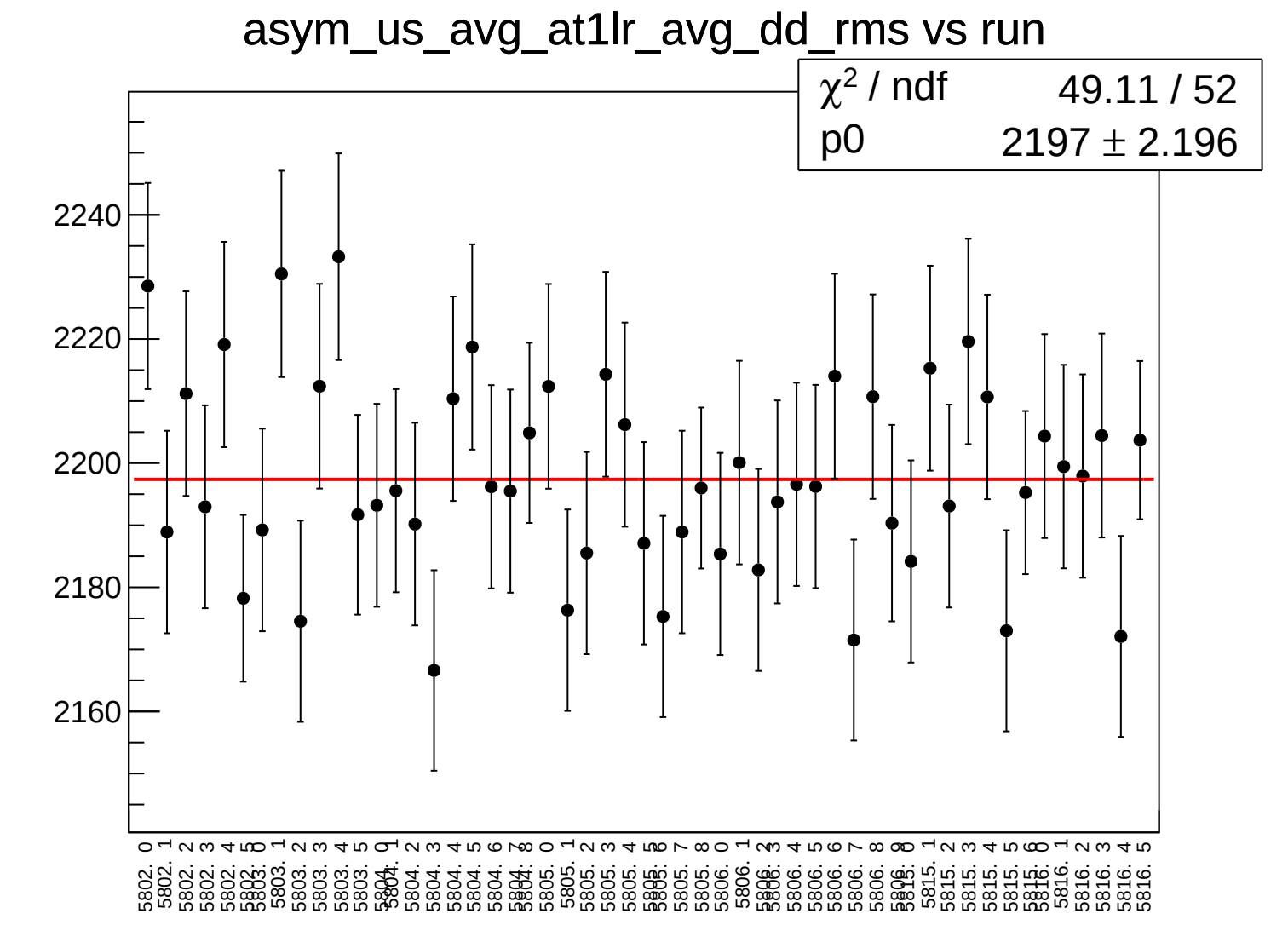
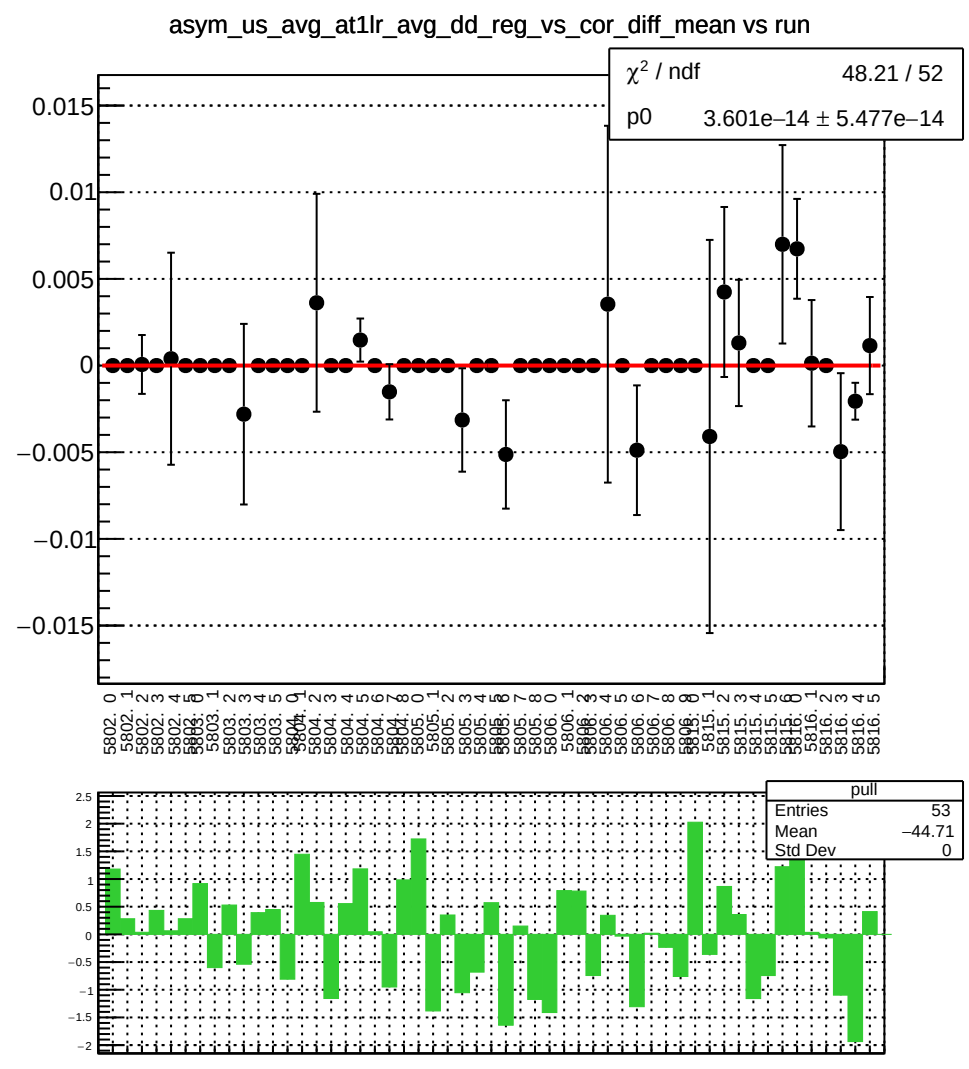
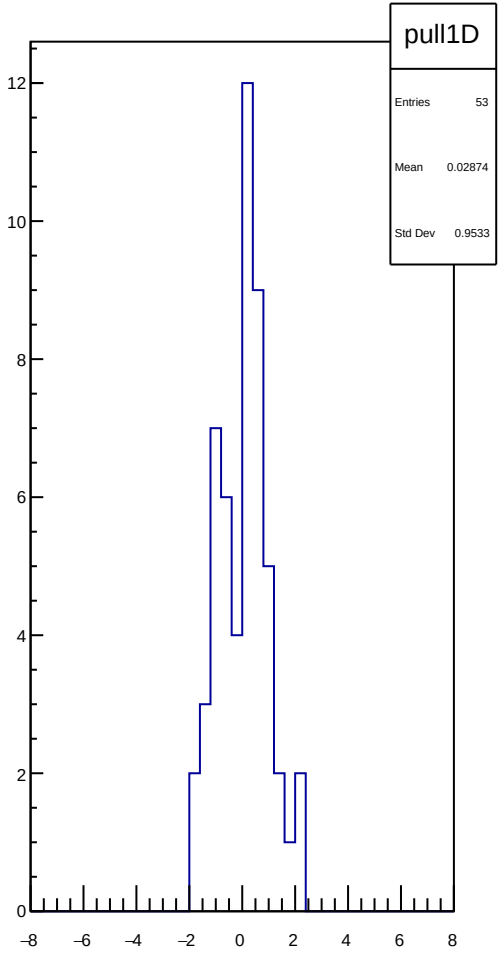
5816. 2
5816. 3
5816. 4
5816. 5

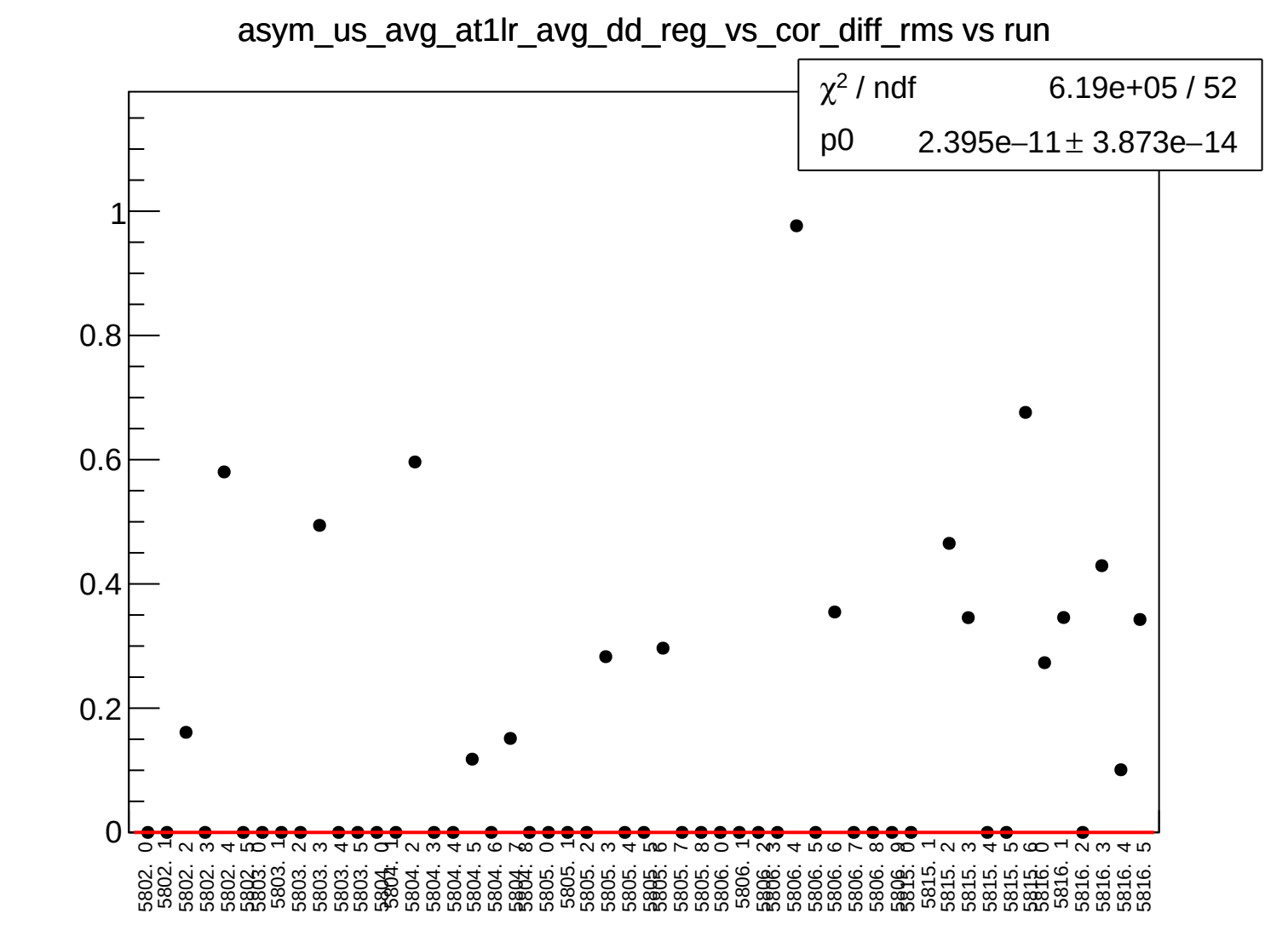

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 50.75 / 52
p0 3575 ± 3105
pull
Entries 53
Mean 48.01
Std Dev 0

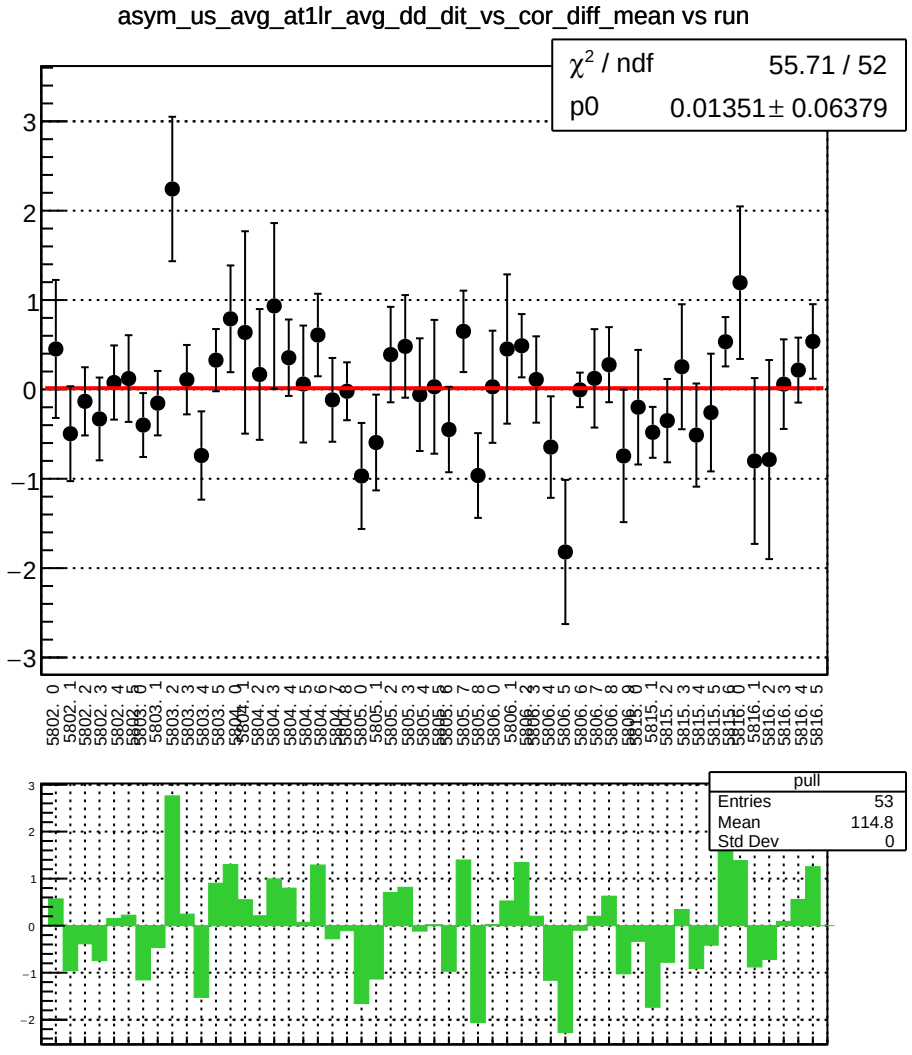

pull1D
Entries 53
Mean 0.01357
Std Dev 0.9785

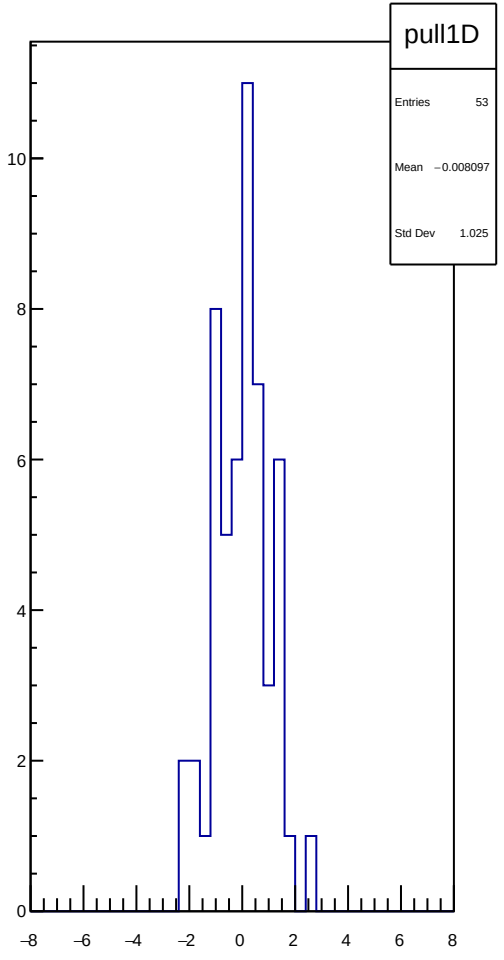

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 49.11 / 52
p0 2197 ± 2.196
2240
2220
2200
2180
2160

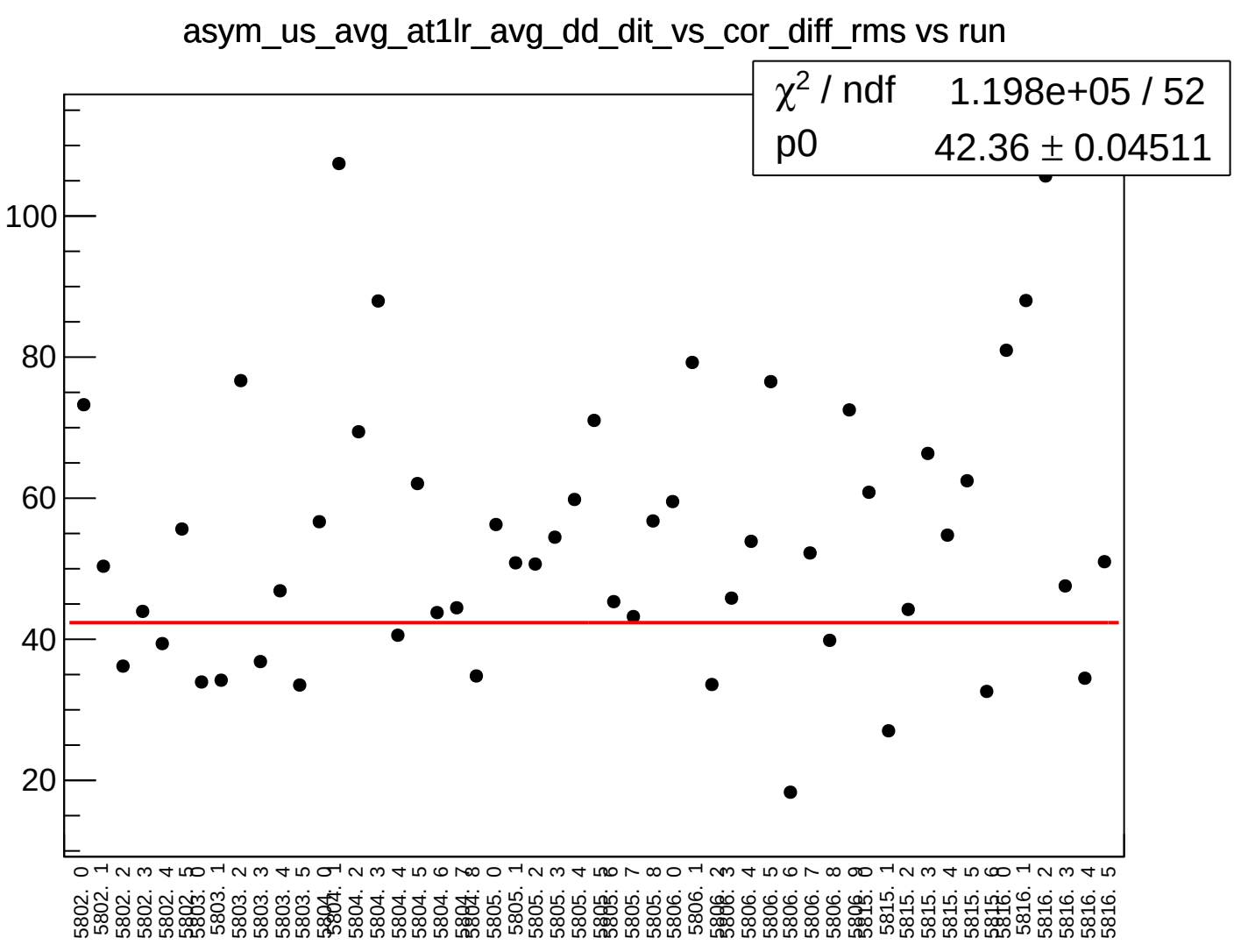

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.21 / 52
p0 3.601e−14 ± 5.477e−14
pull
Entries 53
Mean −44.71
Std Dev 0


pull1D
Entries 53
Mean 0.02874
Std Dev 0.9533


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.19e+05 / 52
p0 2.395e−11 ± 3.873e−14
1
0.8
0.6
0.4
0.2
0


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.71 / 52
p0 0.01351 ± 0.06379
pull
Entries 53
Mean 114.8
Std Dev 0


pull1D
Entries 53
Mean −0.008097
Std Dev 1.025


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 52
p0 42.36 ± 0.04511
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
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5806. 0
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5806. 5
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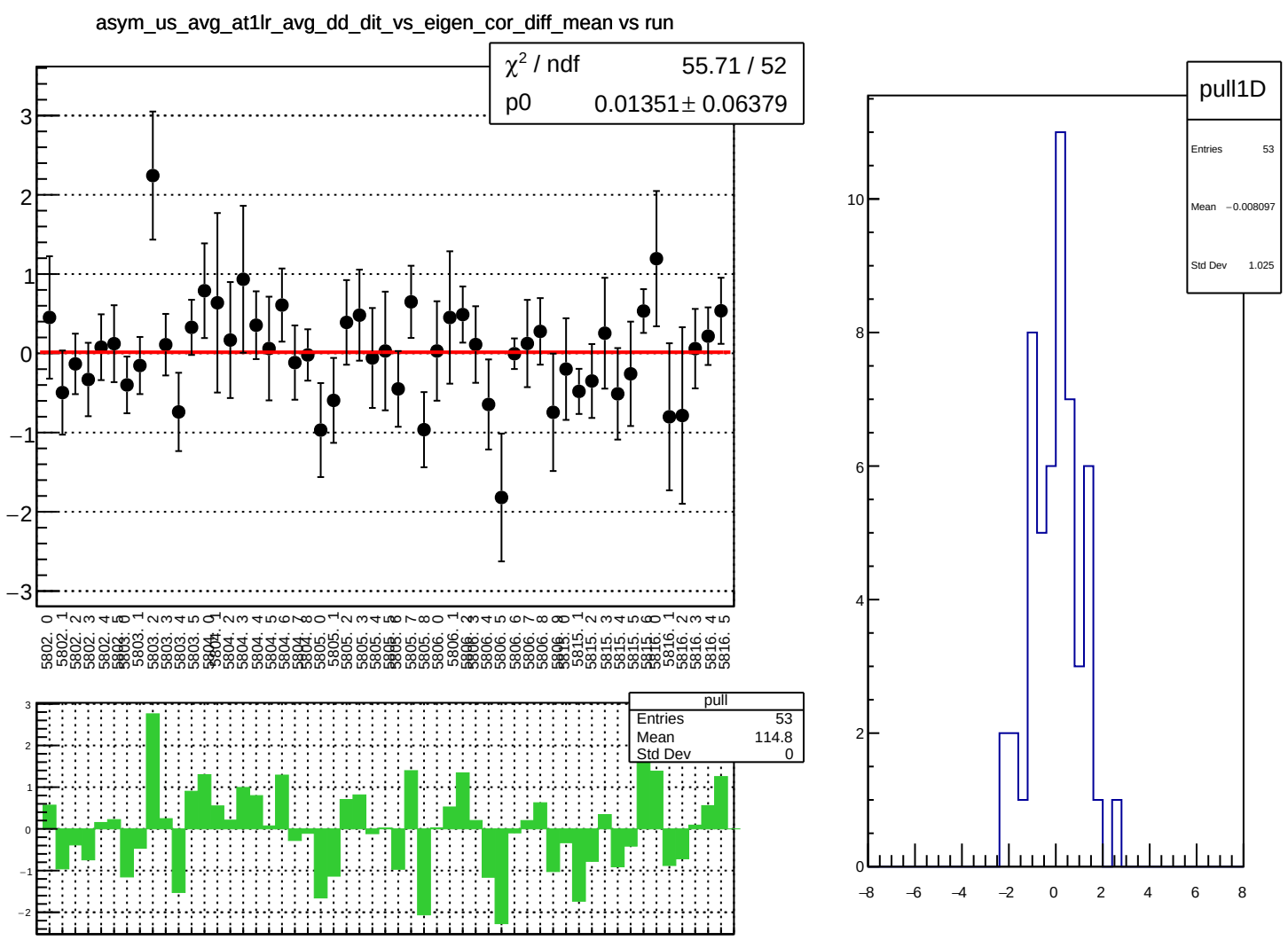
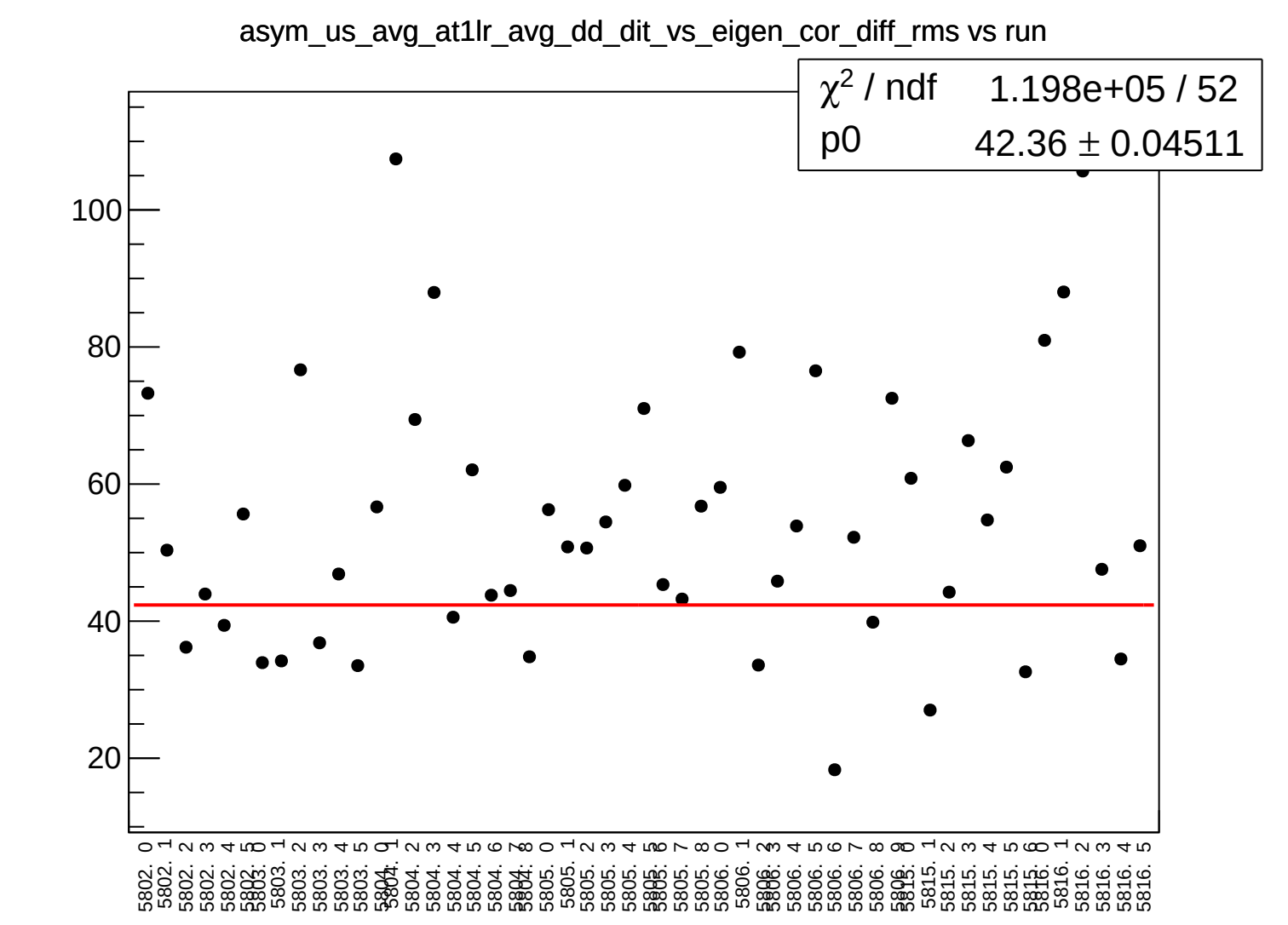
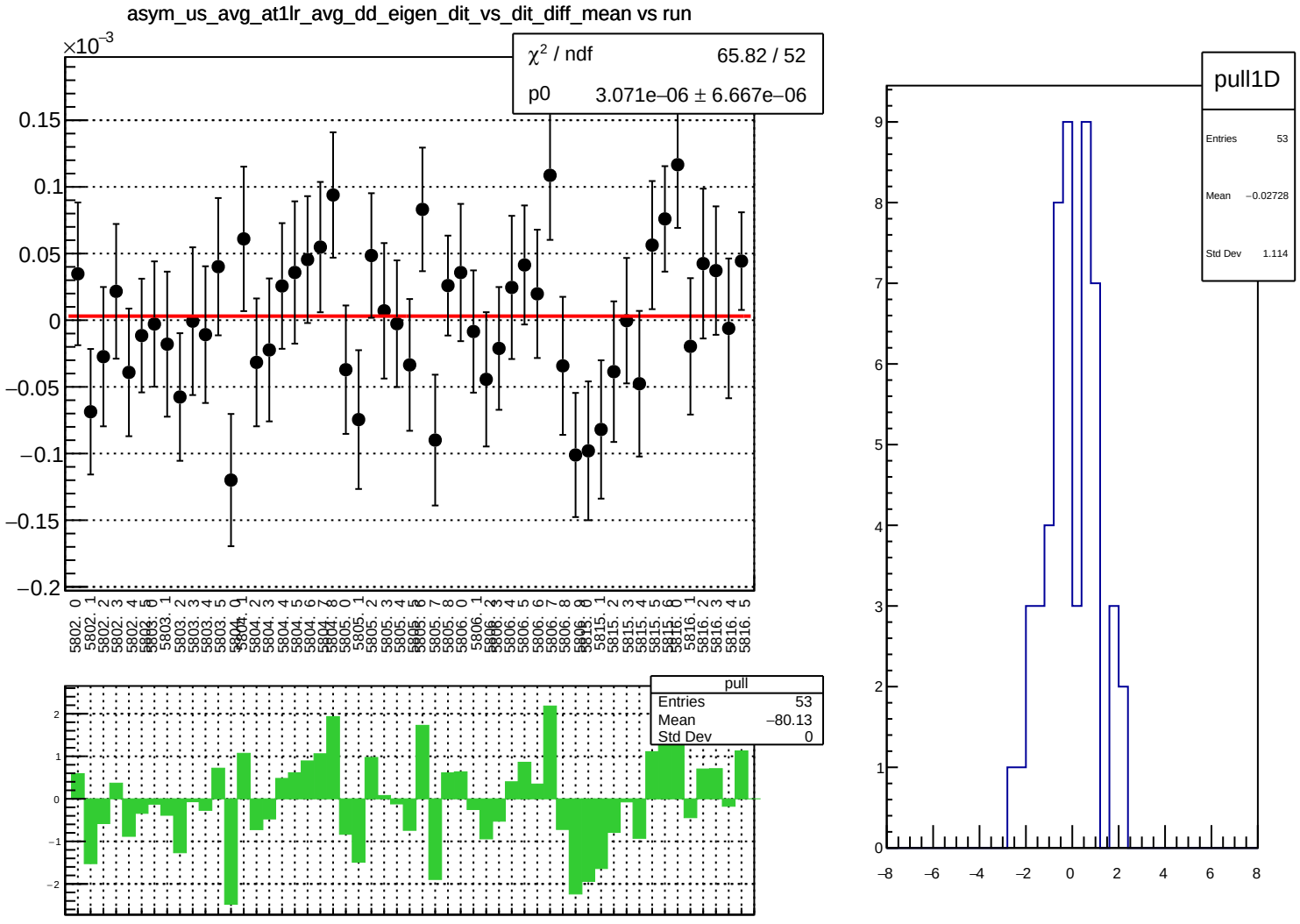
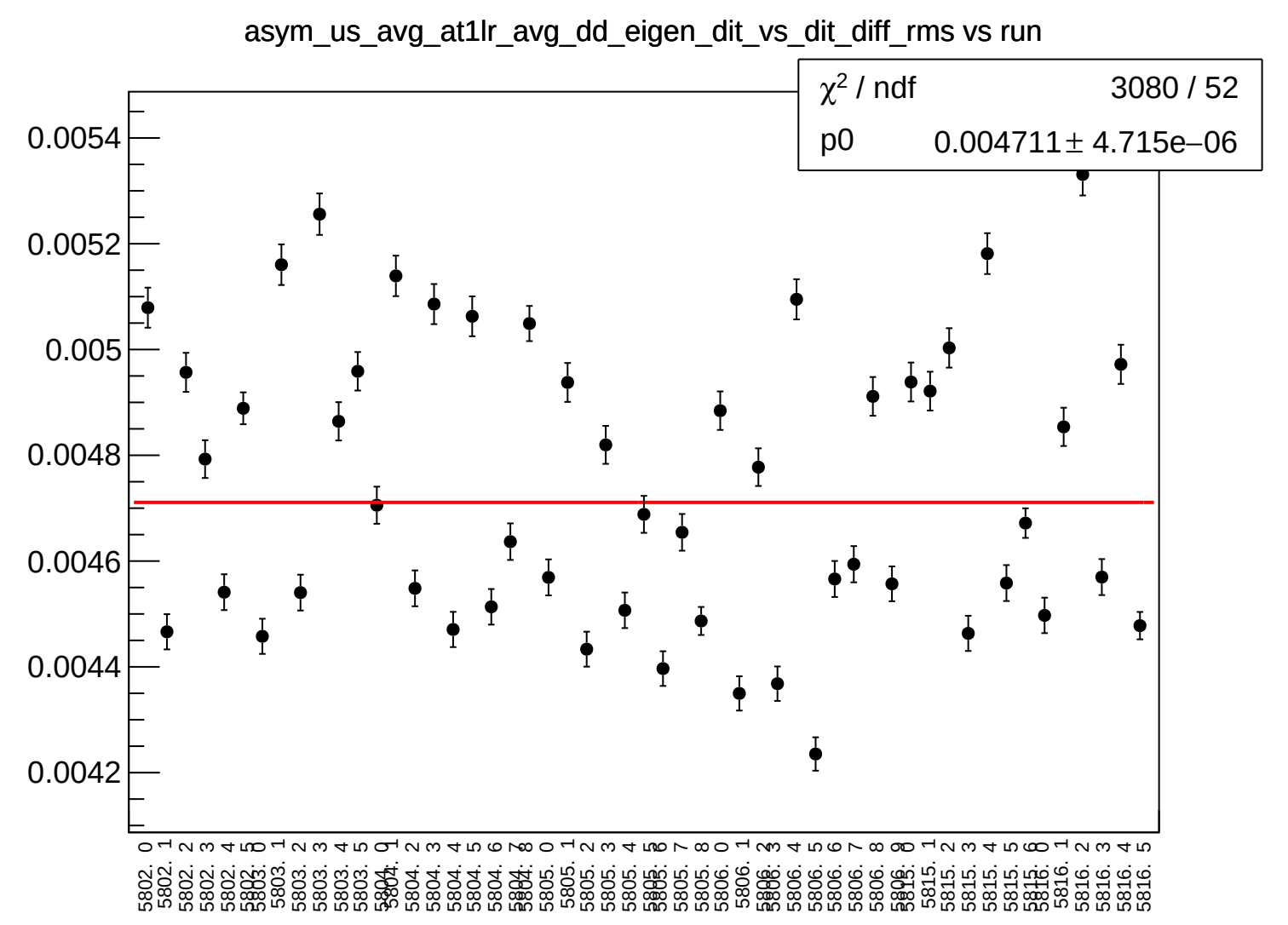
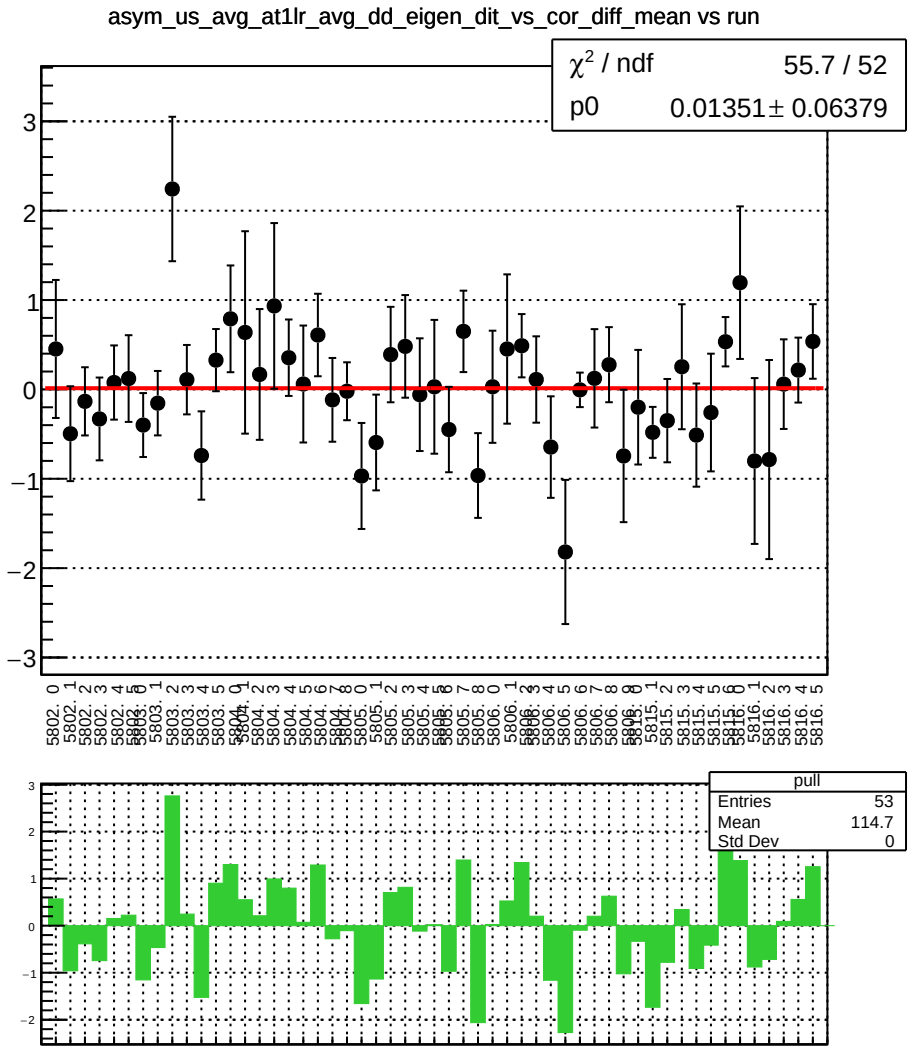
5816. 4
5816. 5

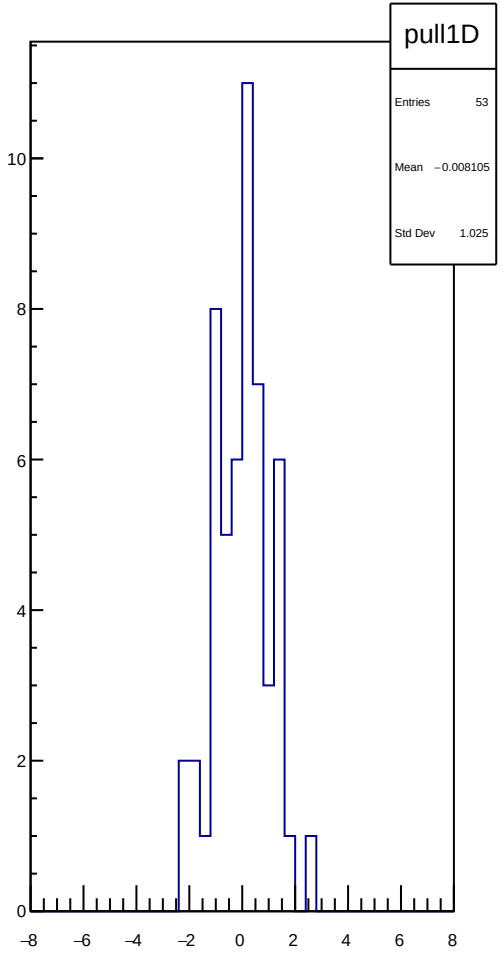

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.71 / 52
p0 0.01351 ± 0.06379
pull
Entries 53
Mean 114.8
Std Dev 0
pull1D
Entries 53
Mean −0.008097
Std Dev 1.025

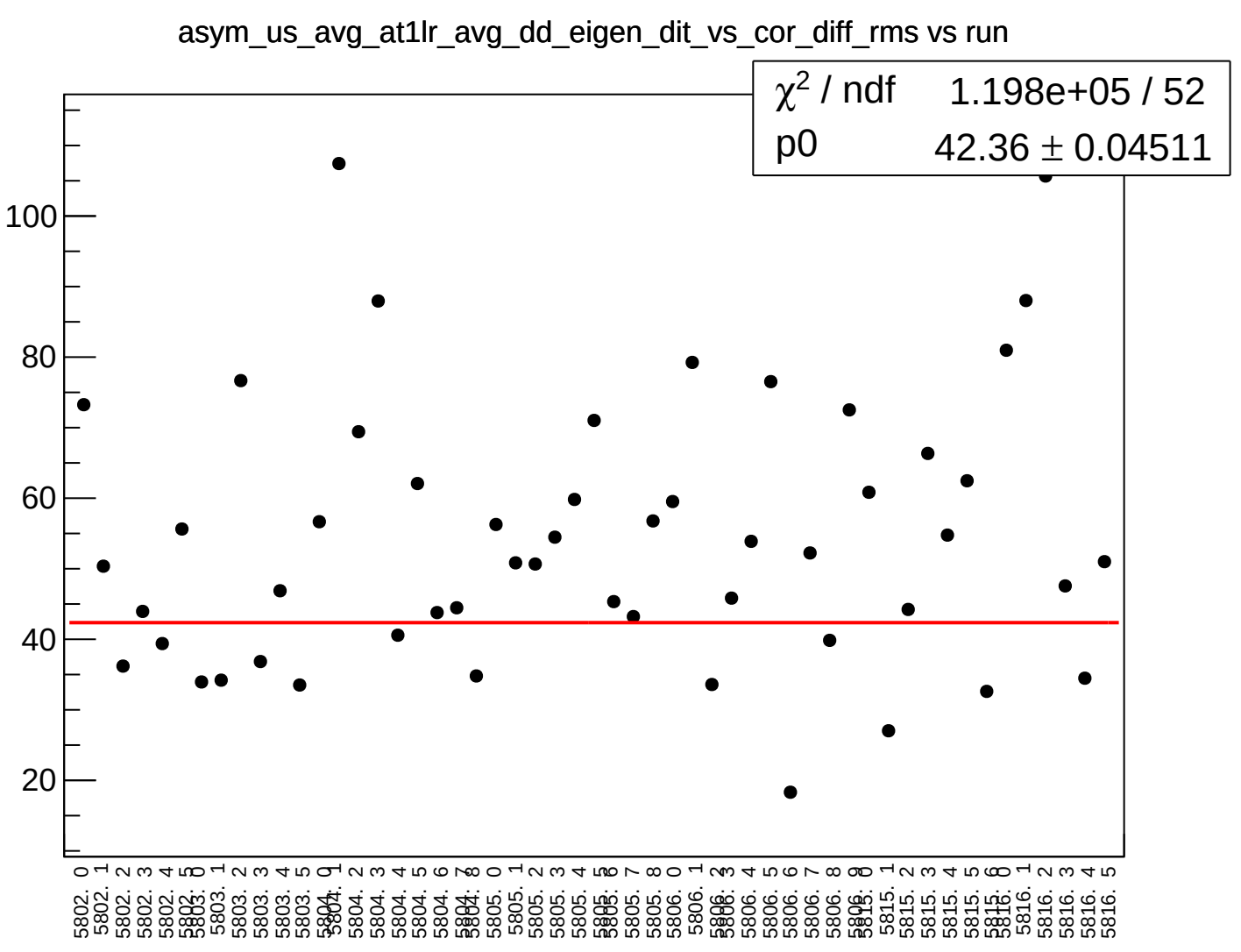

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 52
p0 42.36 ± 0.04511
100
80
60
40
20


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.82 / 52
p0 3.071e−06 ± 6.667e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 53
Mean −80.13
Std Dev 0
pull1D
Entries 53
Mean −0.02728
Std Dev 1.114


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3080 / 52
p0 0.004711 ± 4.715e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.7 / 52
p0 0.01351 ± 0.06379
pull
Entries 53
Mean 114.7
Std Dev 0


pull1D
Entries 53
Mean −0.008105
Std Dev 1.025


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 52
p0 42.36 ± 0.04511
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 8
5806. 0
5806. 1
5806. 4
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5806. 6
5806. 7
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5815. 4
5815. 5
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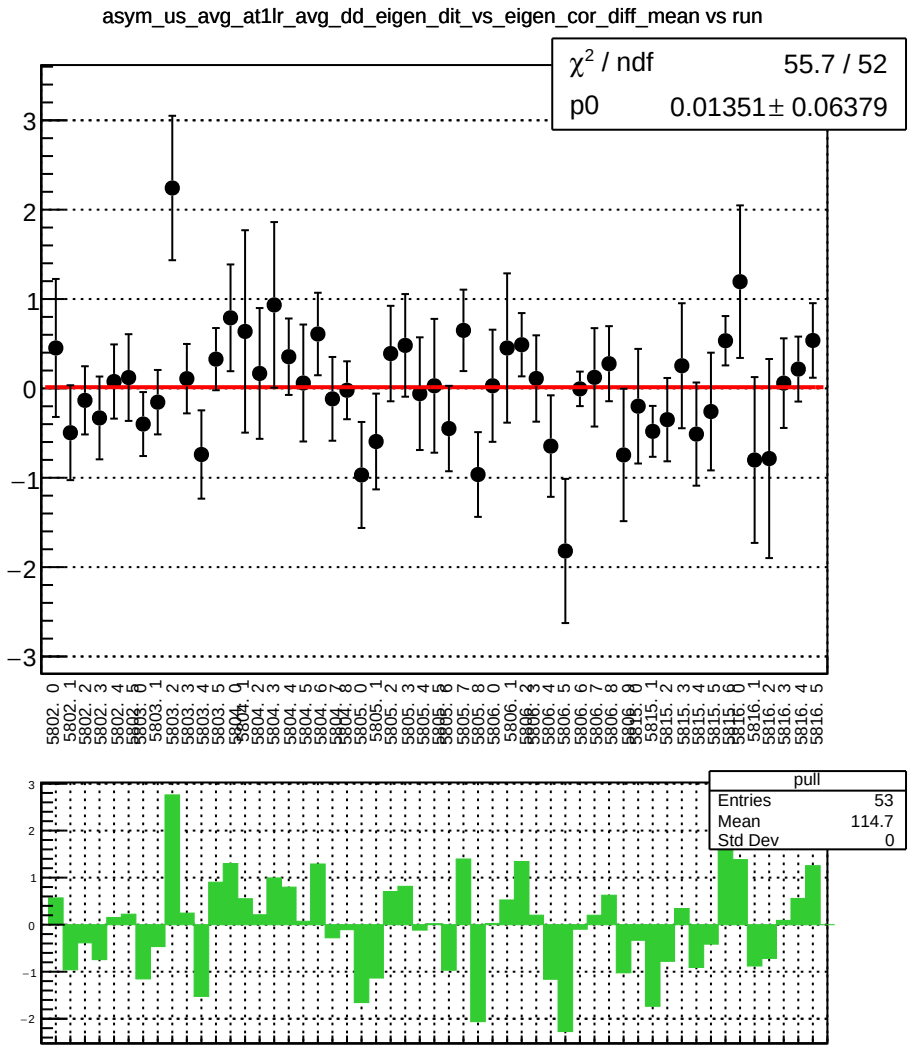
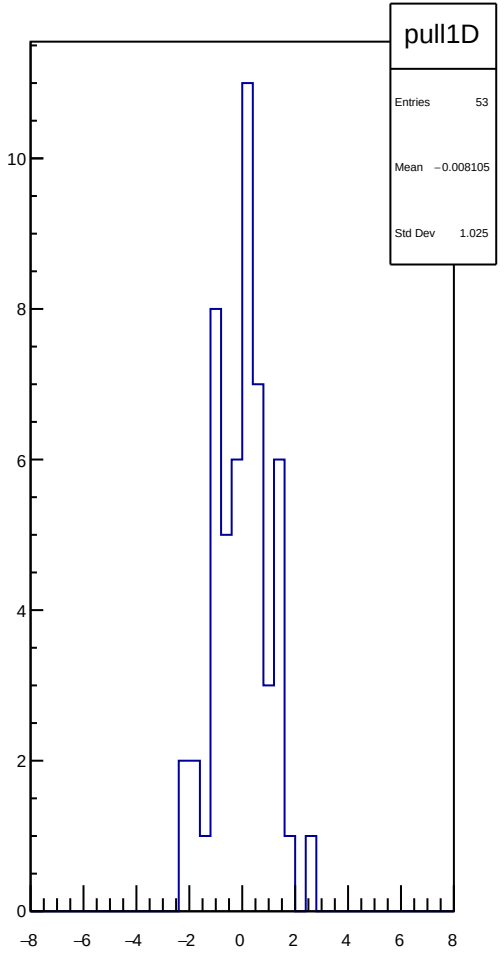
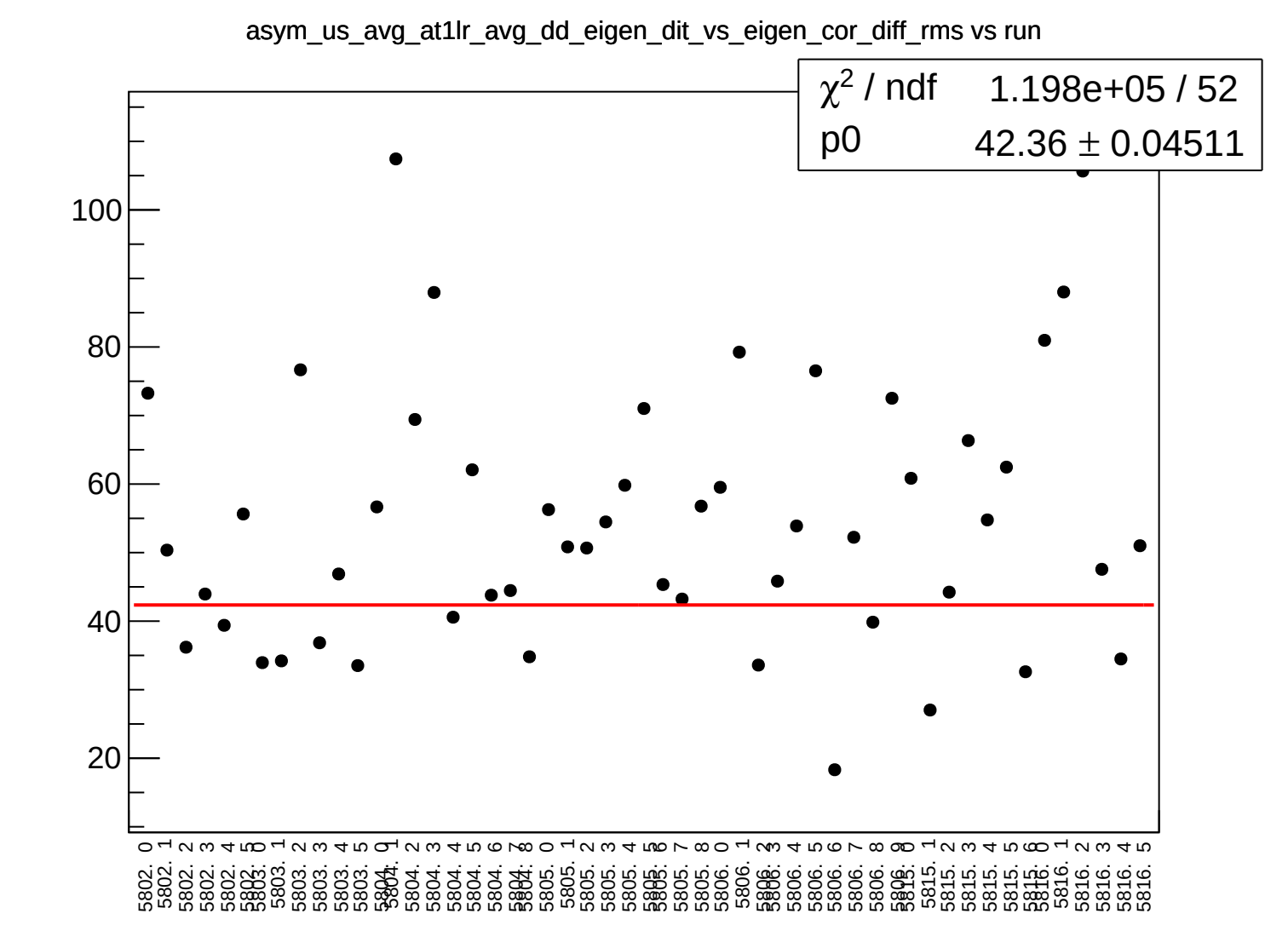
5816. 4
5816. 5


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.7 / 52
p0 0.01351 ± 0.06379
pull
Entries 53
Mean 114.7
Std Dev 0


pull1D
Entries 53
Mean −0.008105
Std Dev 1.025


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.198e+05 / 52
p0 42.36 ± 0.04511
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
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5804. 4
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5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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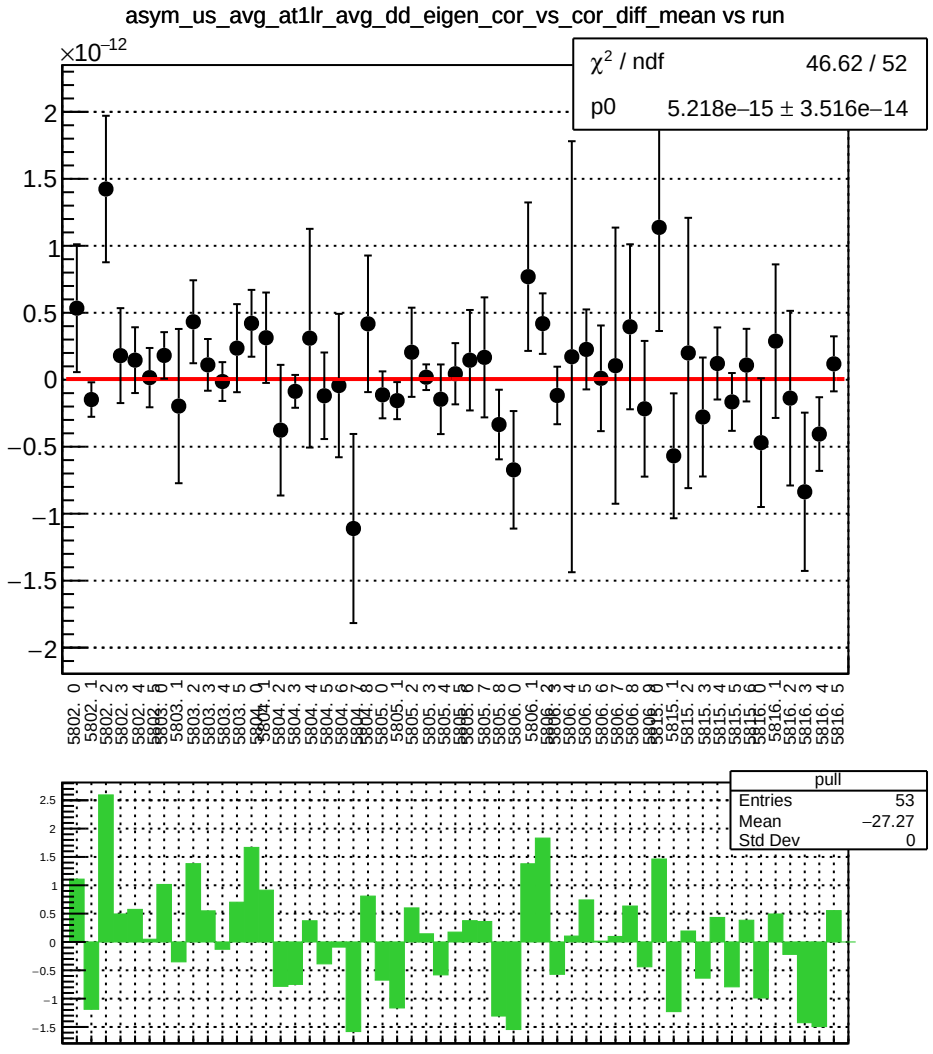
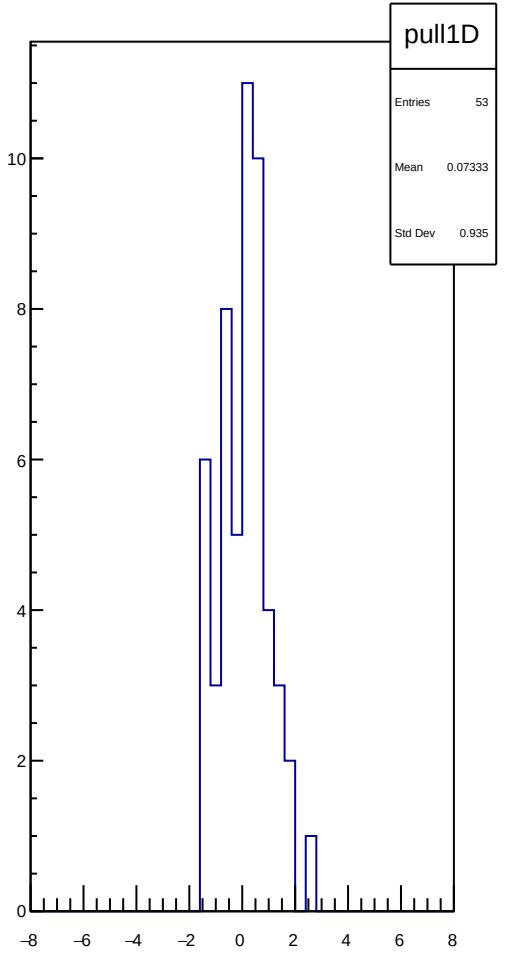
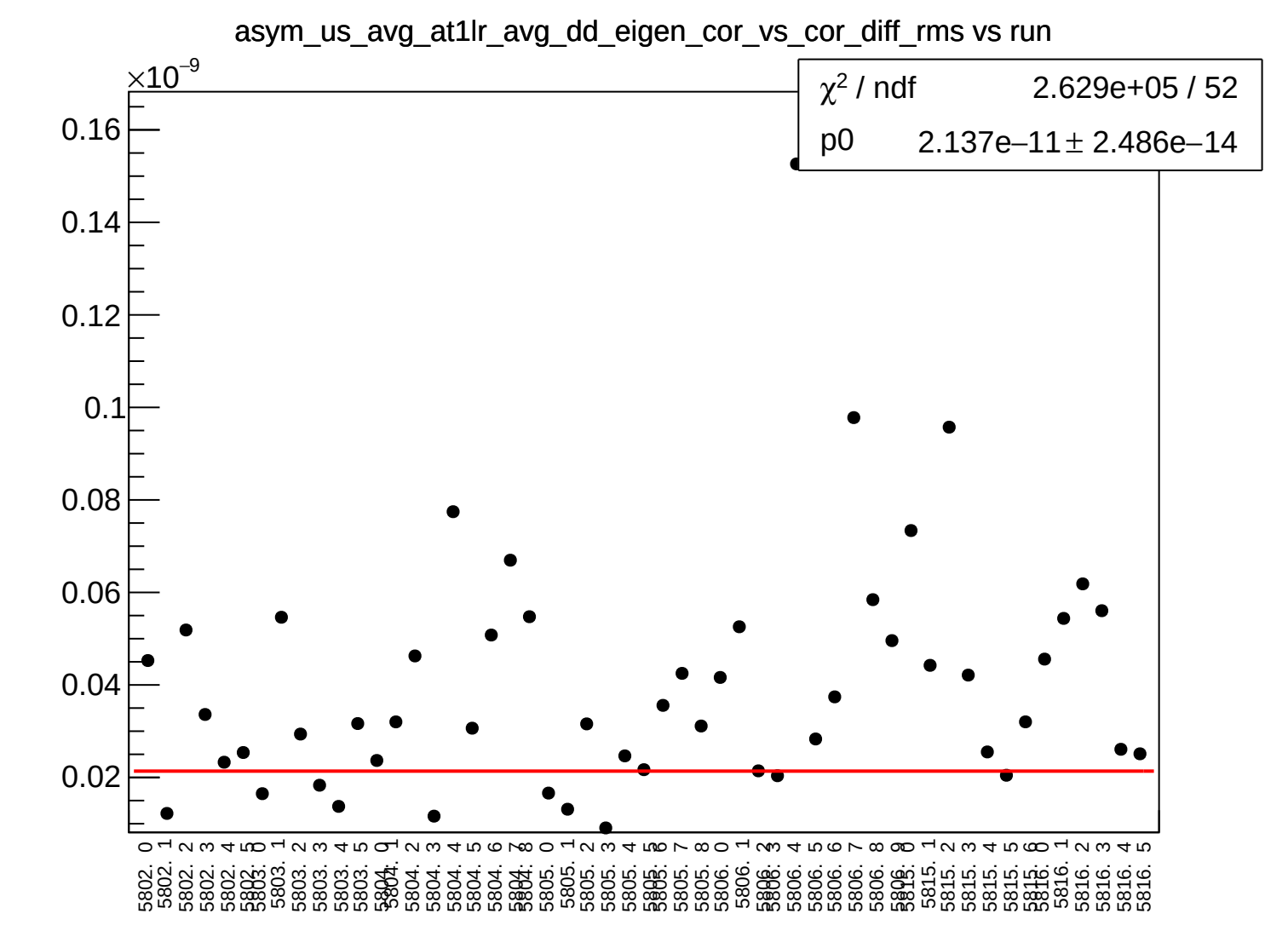
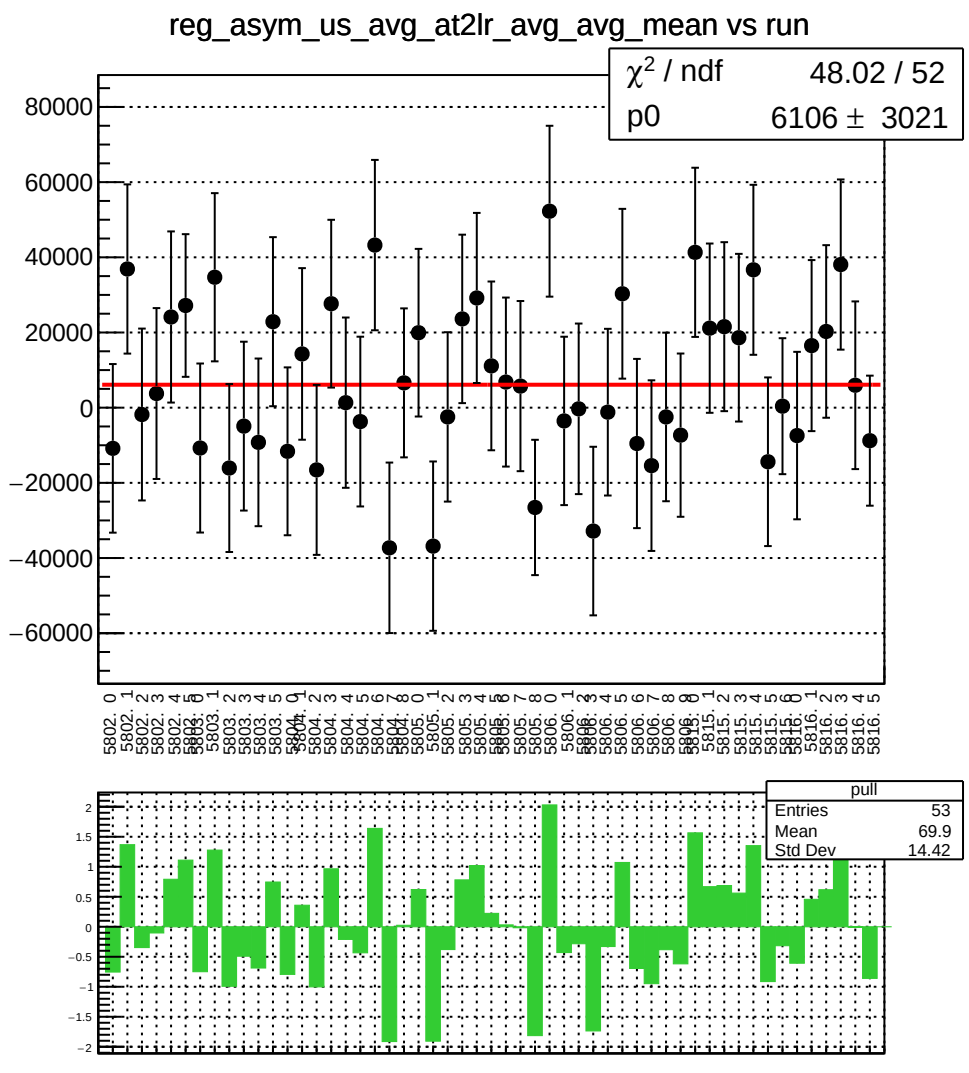
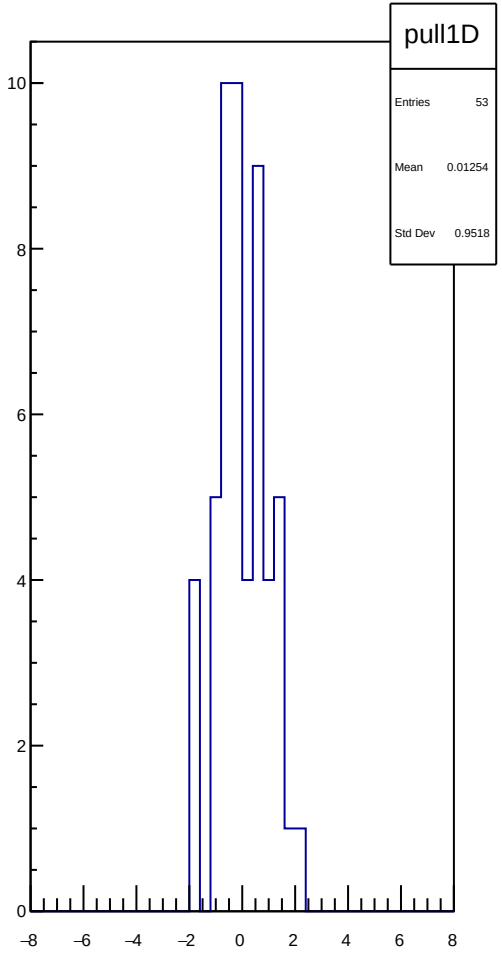
5816. 4
5816. 5

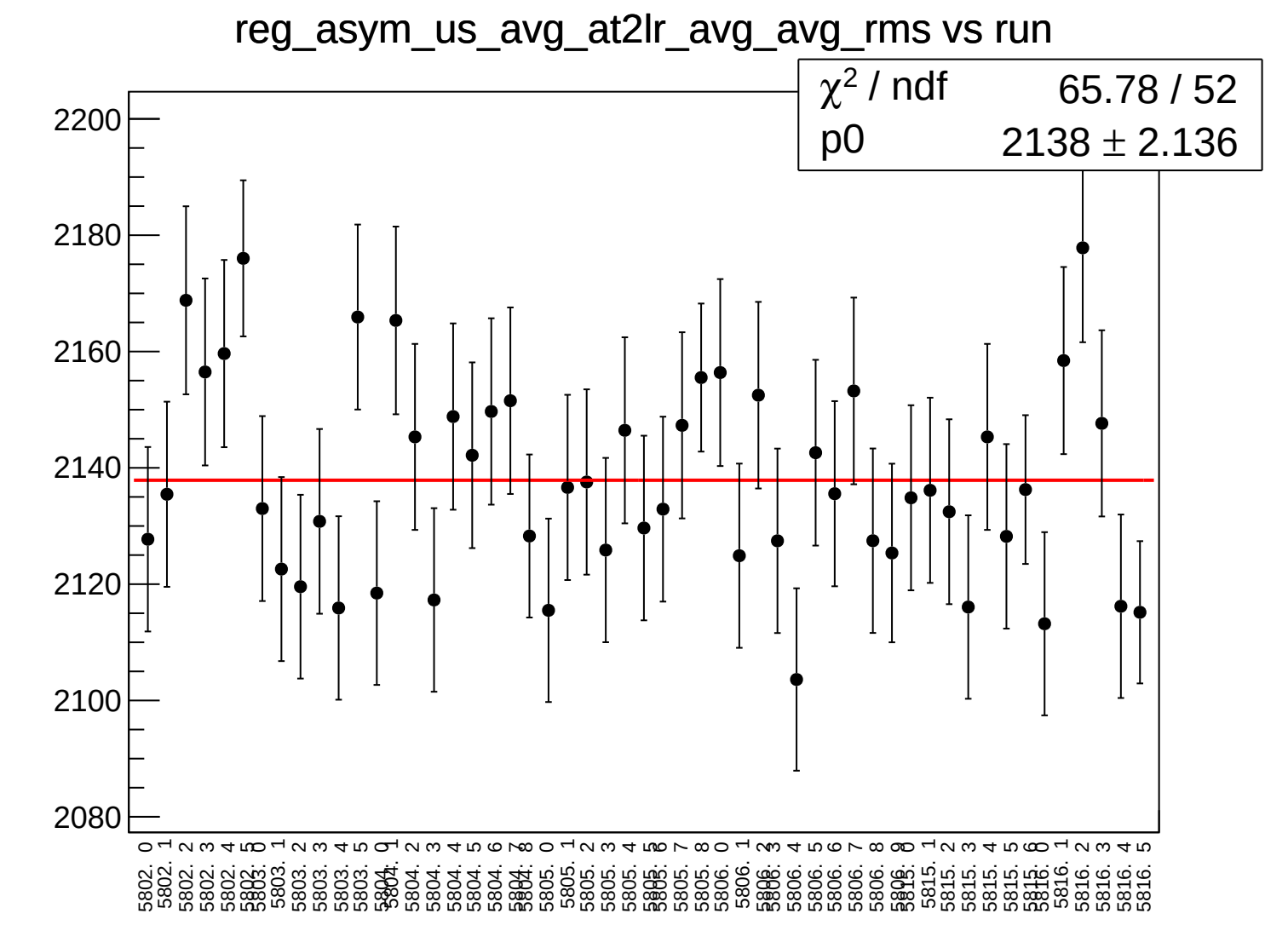

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.62 / 52
p0 5.218e−15 ± 3.516e−14
pull
Entries 53
Mean −27.27
Std Dev 0

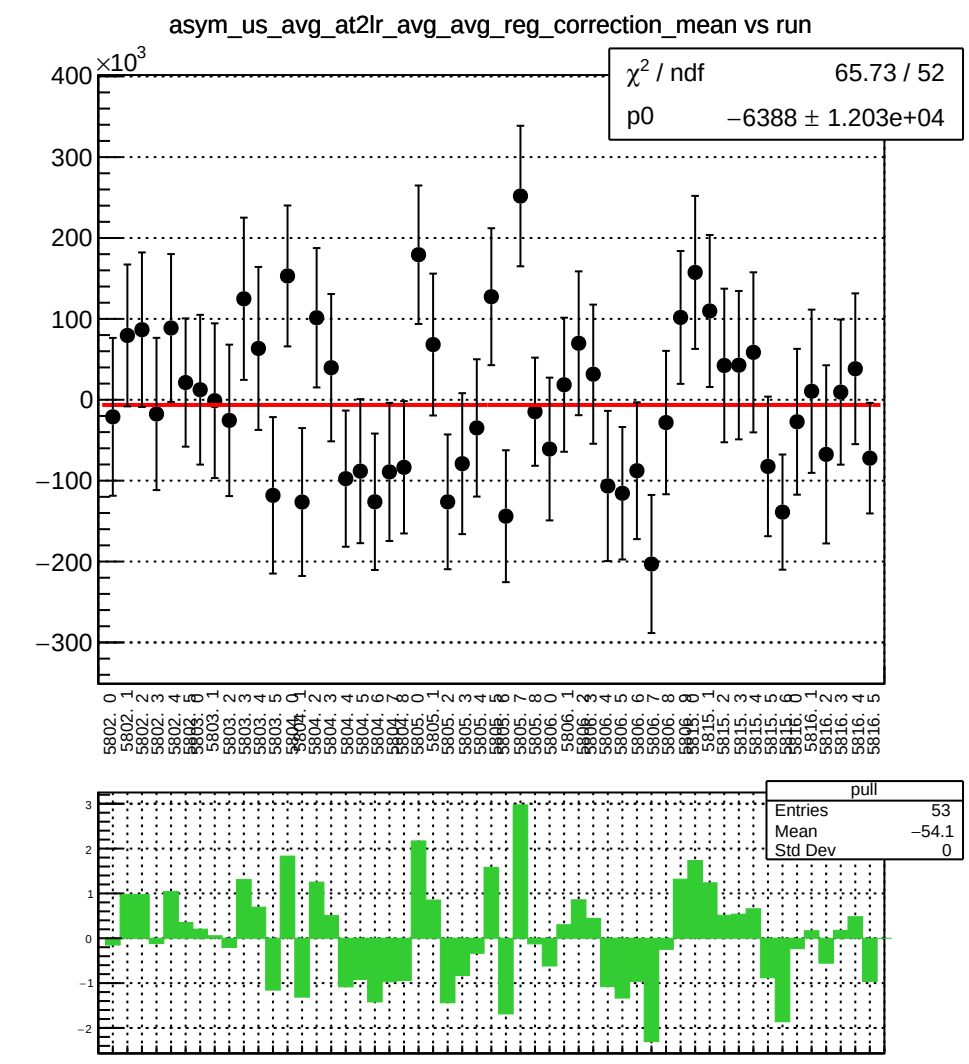

pull1D
Entries 53
Mean 0.07333
Std Dev 0.935

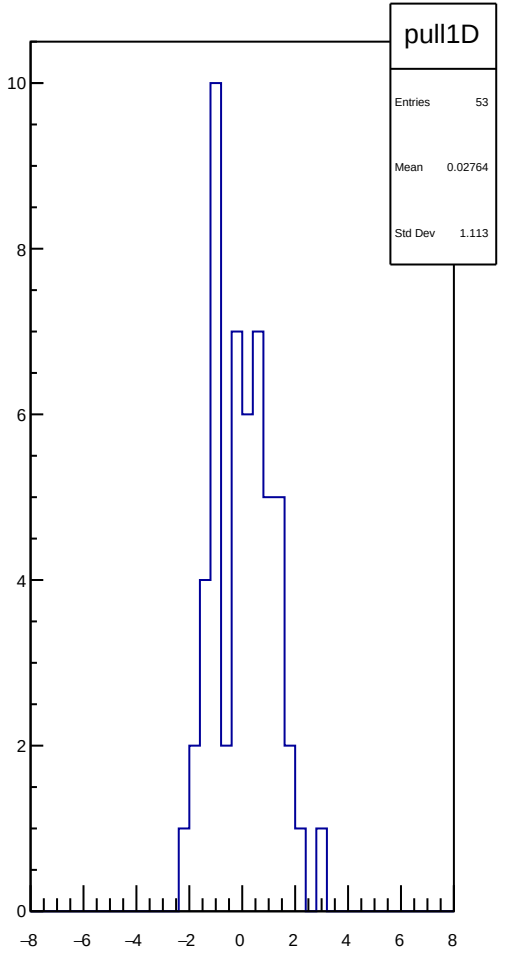

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.629e+05 / 52
p0 2.137e−11 ± 2.486e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

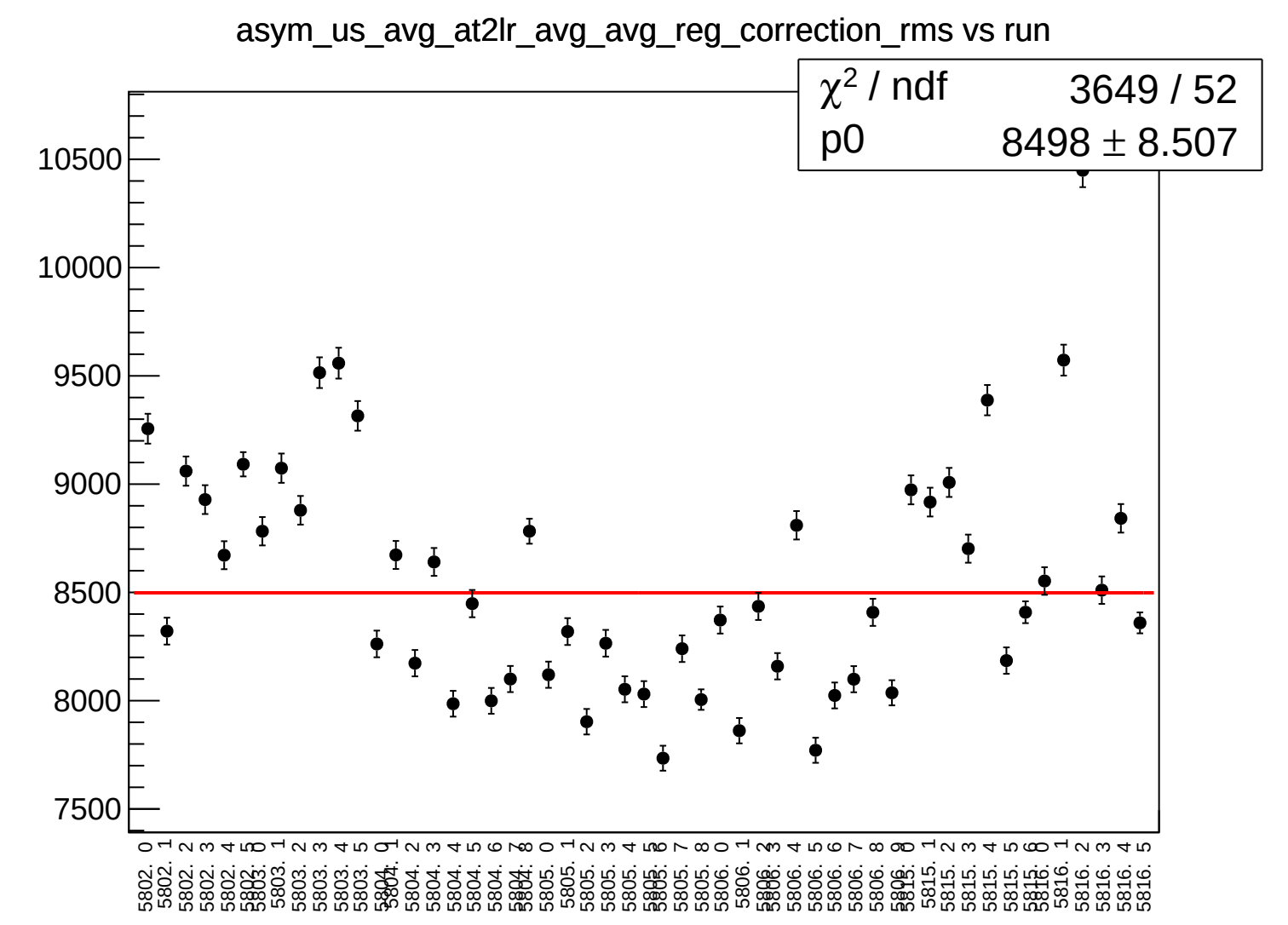

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 48.02 / 52
p0 6106 ± 3021
pull
Entries 53
Mean 69.9
Std Dev 14.42

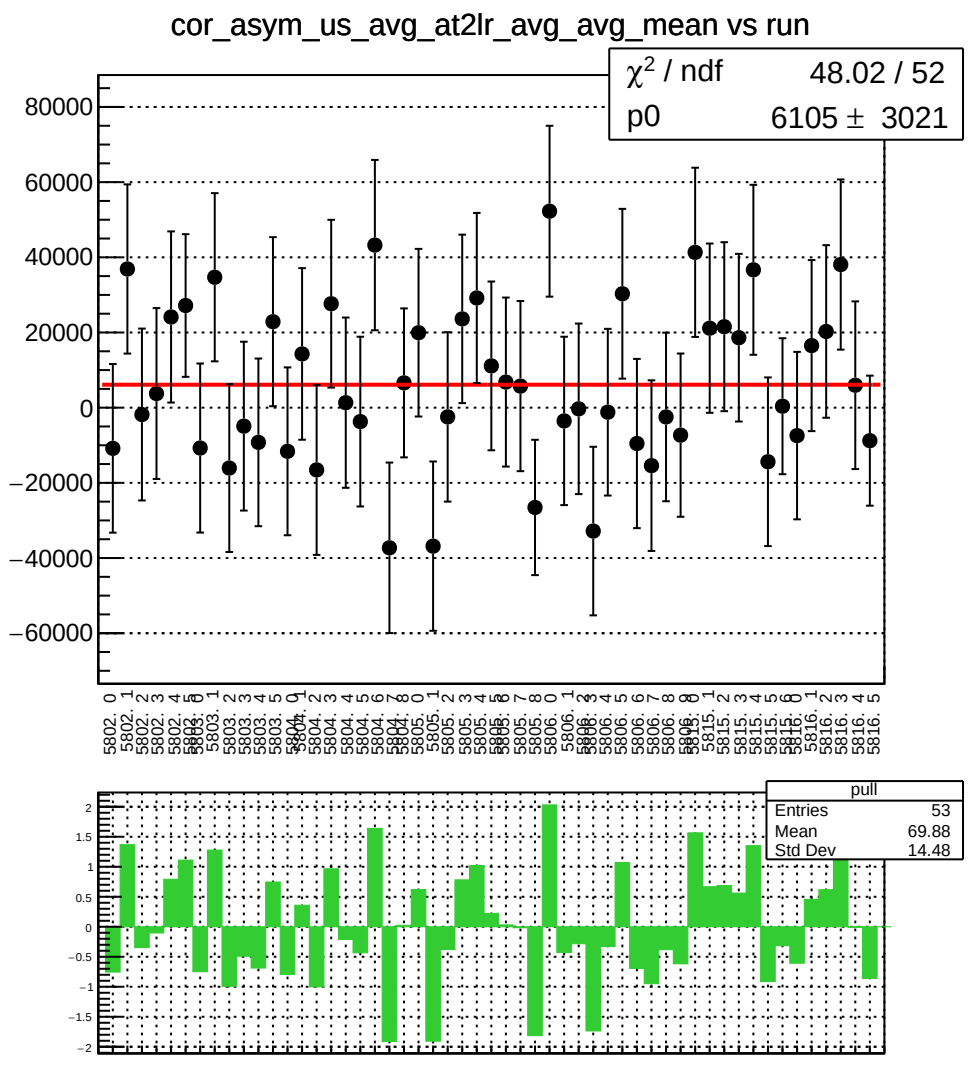

pull1D
Entries 53
Mean 0.01254
Std Dev 0.9518

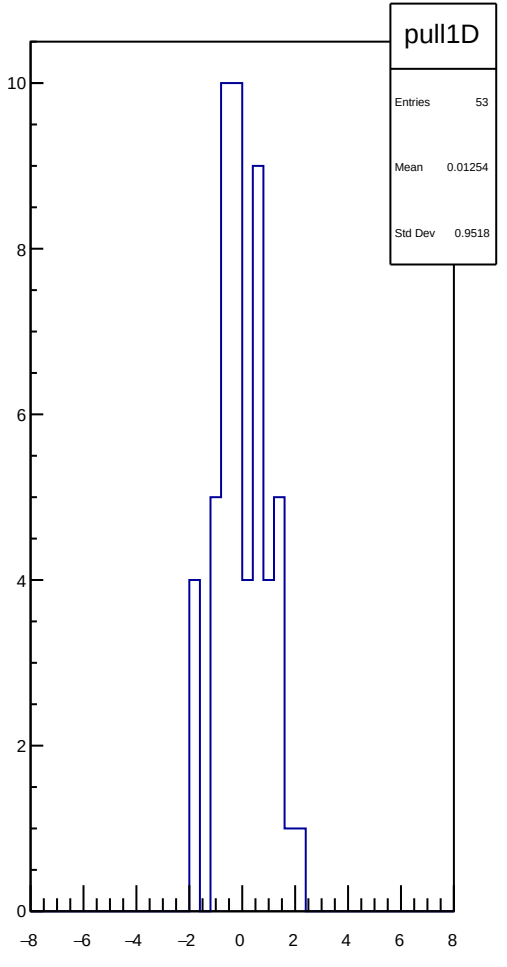

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 65.78 / 52
p0 2138 ± 2.136
2200
2180
2160
2140
2120
2100
2080

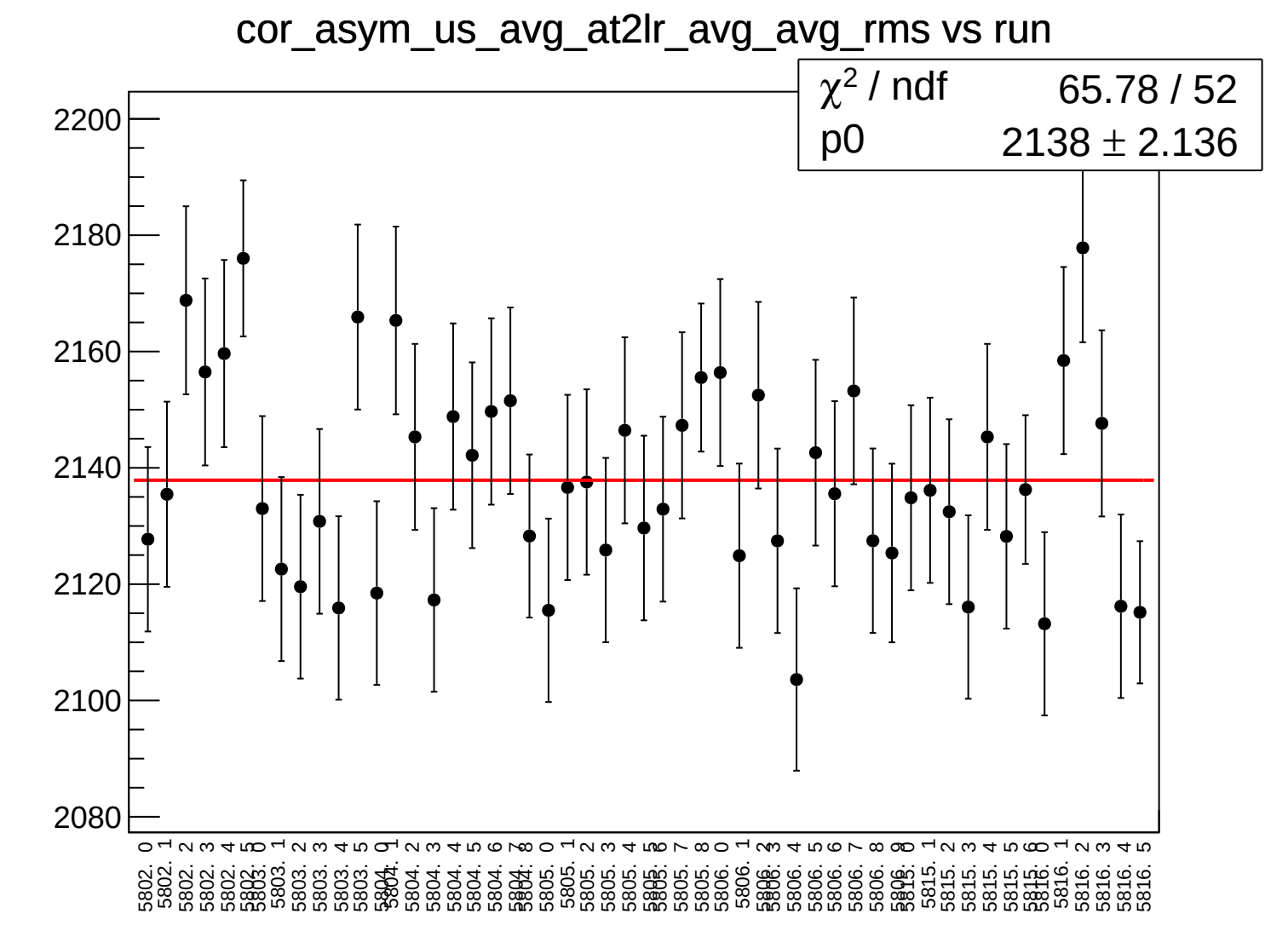

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
χ² / ndf 65.73 / 52
p0 −6388 ± 1.203e+04
×10³
pull
Entries 53
Mean −54.1
Std Dev 0

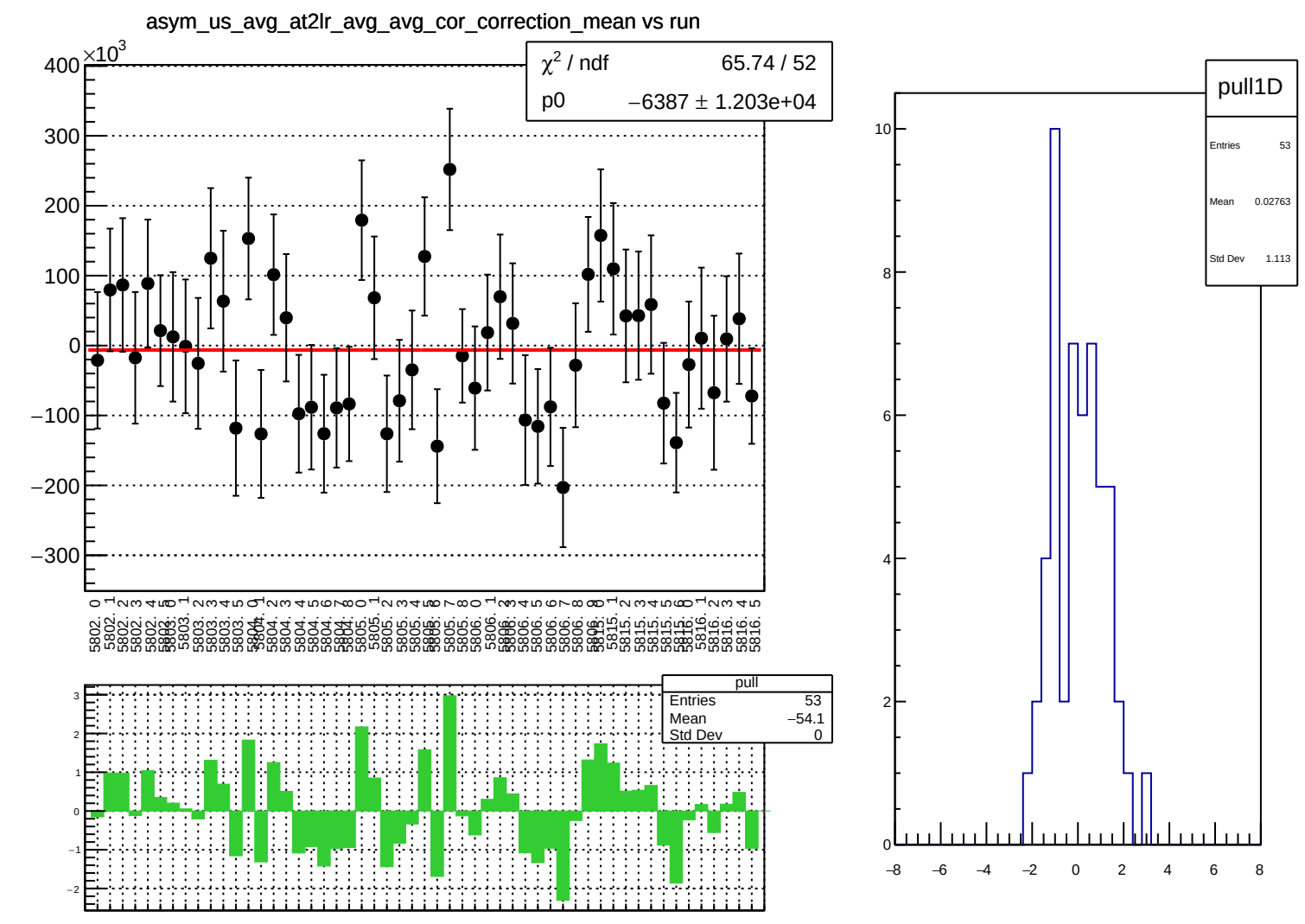

pull1D
Entries 53
Mean 0.02764
Std Dev 1.113

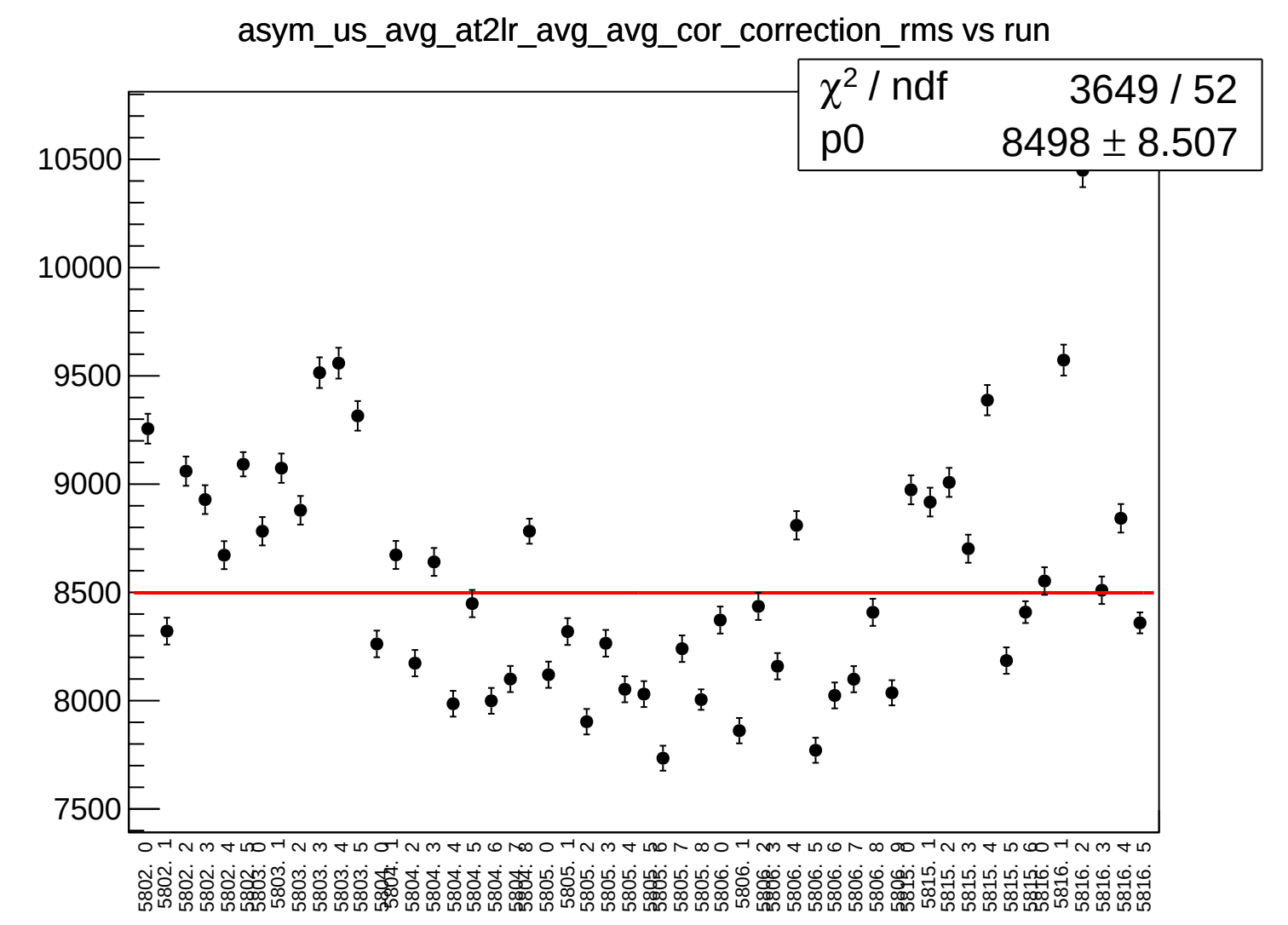

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3649 / 52
p0 8498 ± 8.507
10500
10000
9500
9000
8500
8000
7500

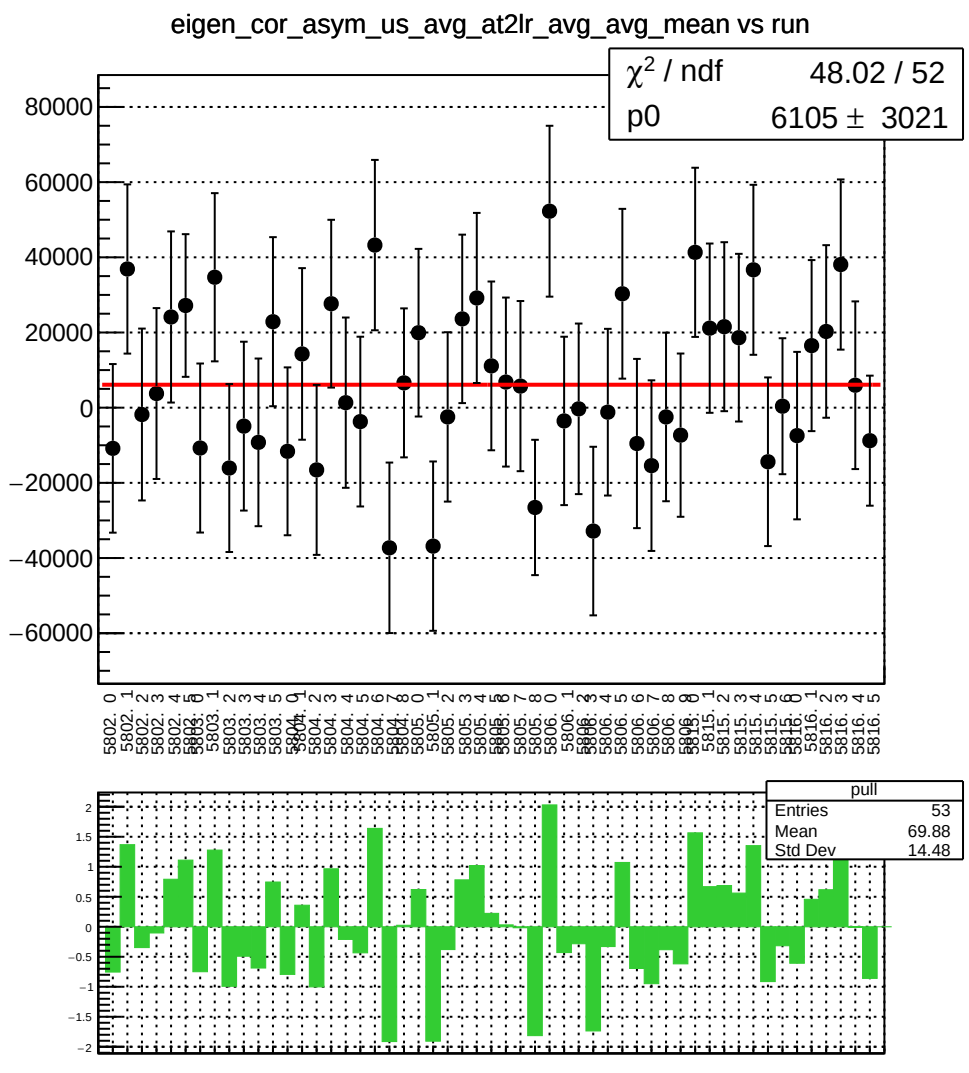

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 48.02 / 52
p0 6105 ± 3021
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 69.88
Std Dev 14.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

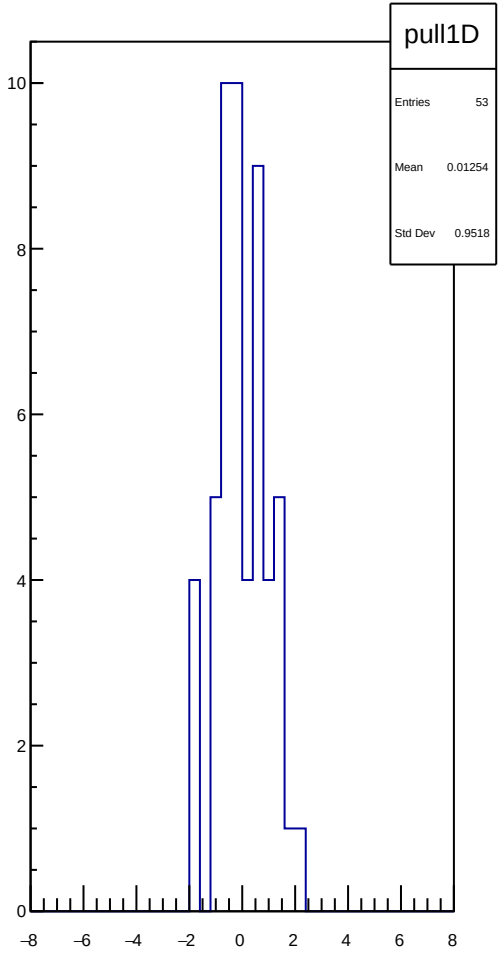

pull1D
Entries 53
Mean 0.01254
Std Dev 0.9518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

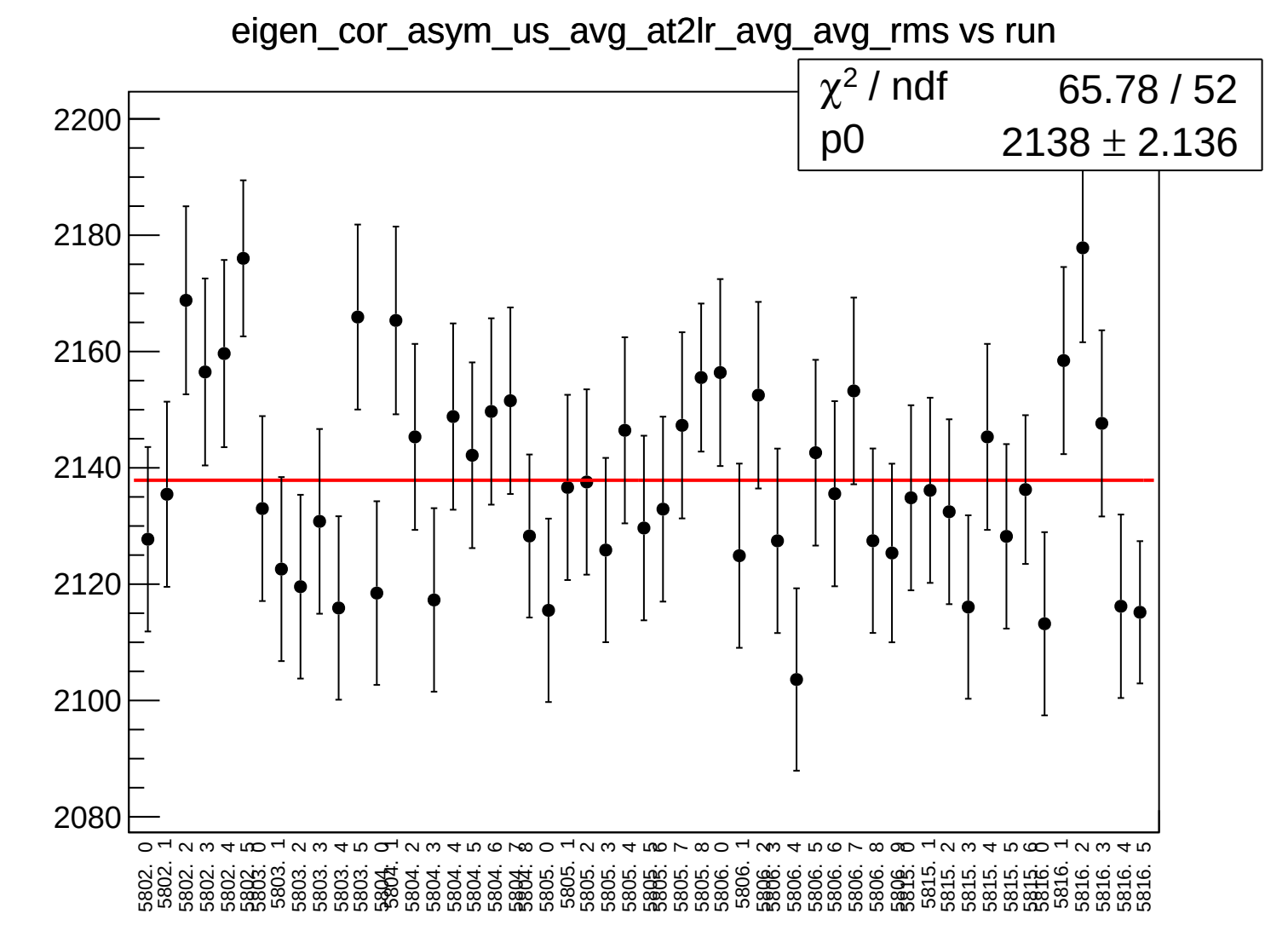

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 65.78 / 52
p0 2138 ± 2.136
2200
2180
2160
2140
2120
2100
2080

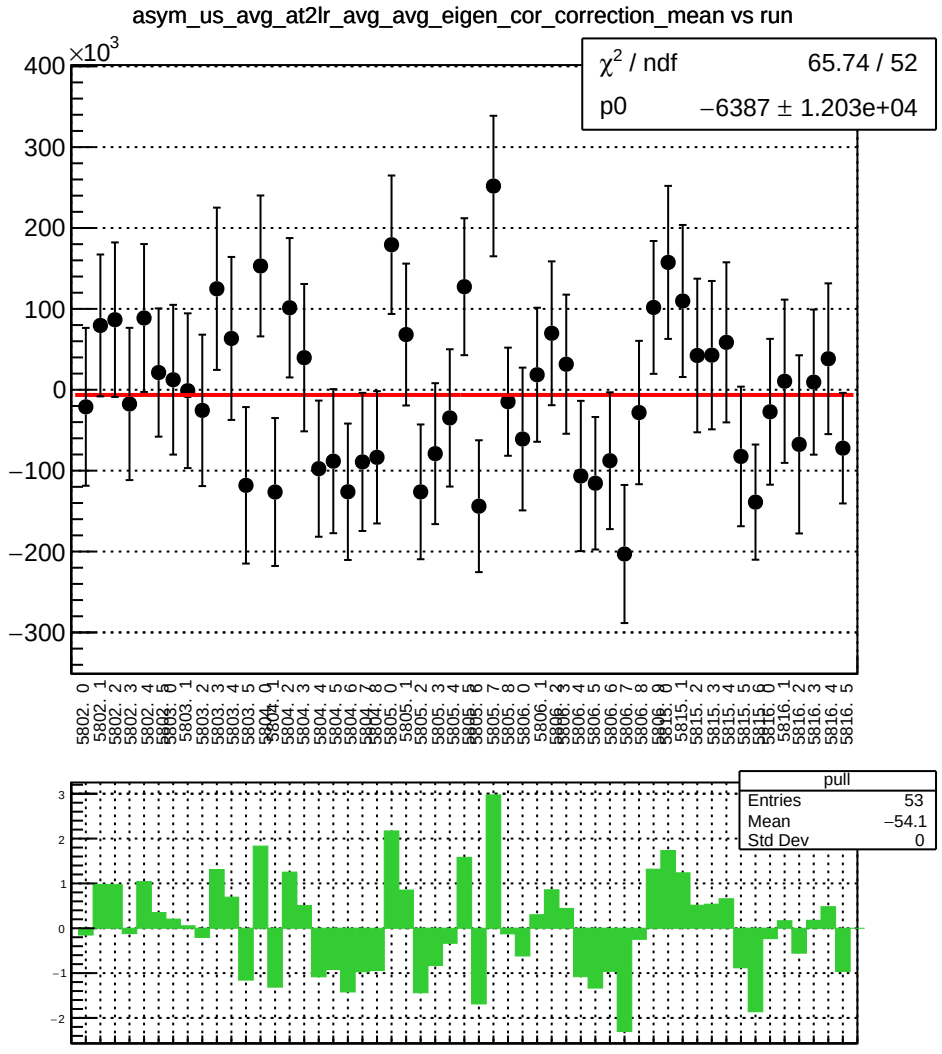

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
χ² / ndf 65.74 / 52
p0 −6387 ± 1.203e+04
×10³
400
300
200
100
0
−100
−200
−300
pull
Entries 53
Mean −54.1
Std Dev 0
pull1D
Entries 53
Mean 0.02763
Std Dev 1.113

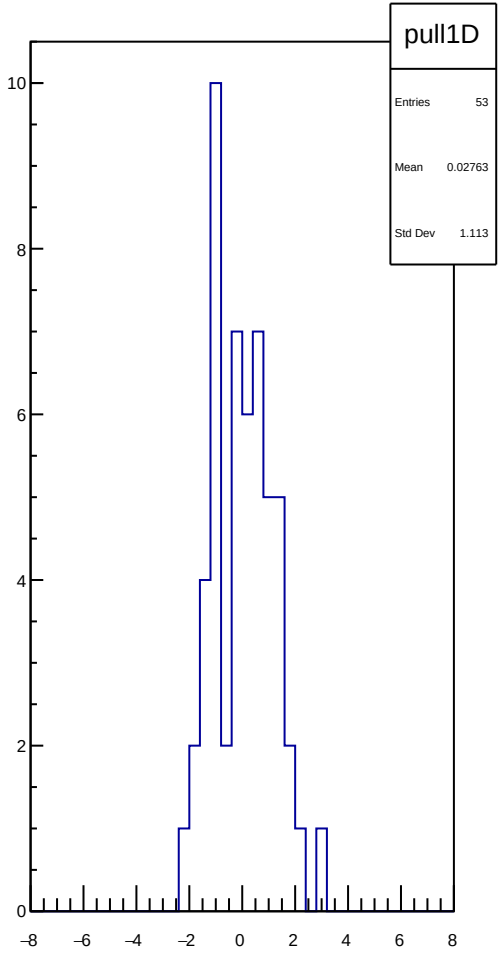

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3649 / 52
p0 8498 ± 8.507
10500
10000
9500
9000
8500
8000
7500

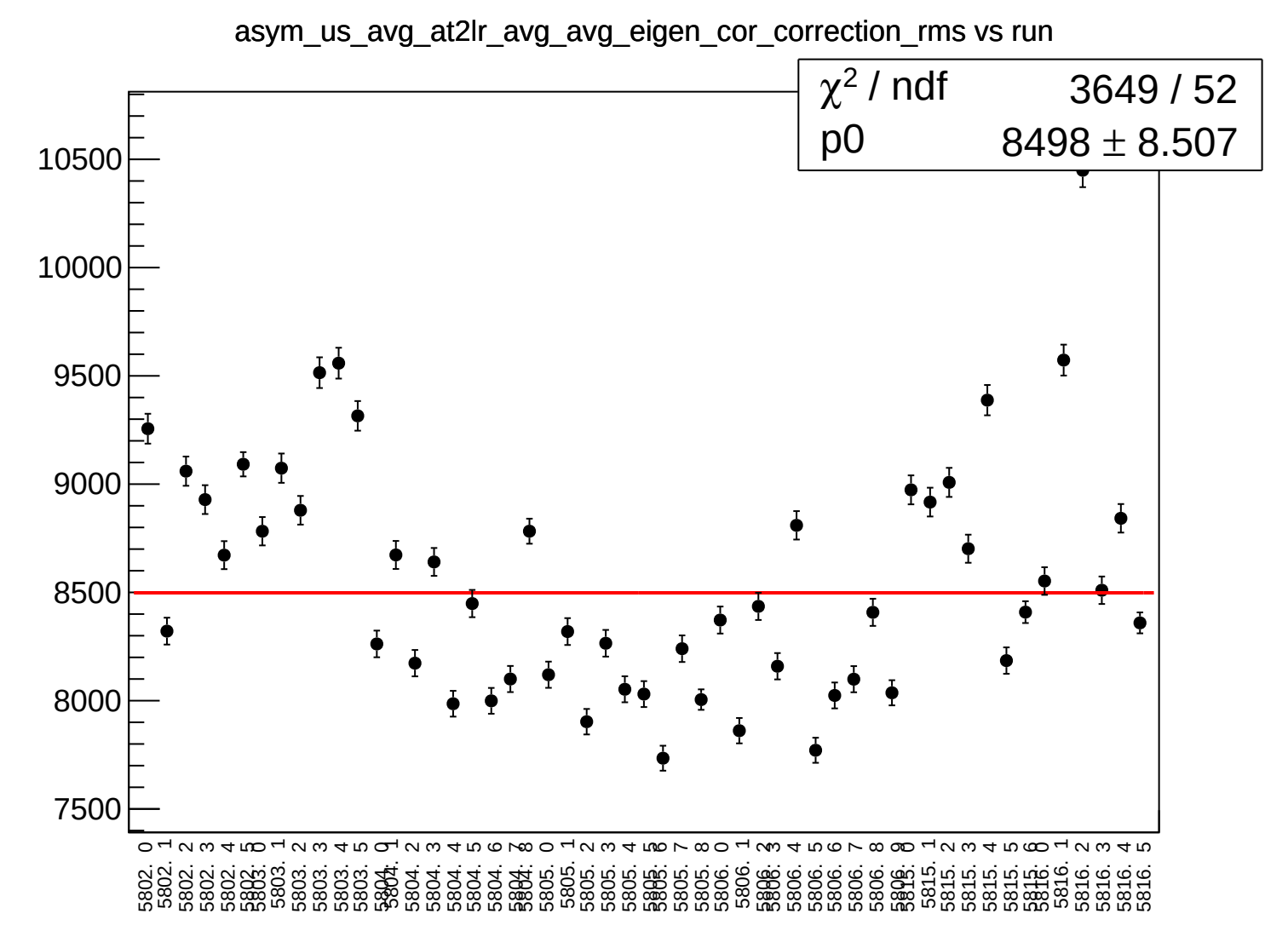

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 48.02 / 52
p0 6105 ± 3021
pull
Entries 53
Mean 69.88
Std Dev 14.48

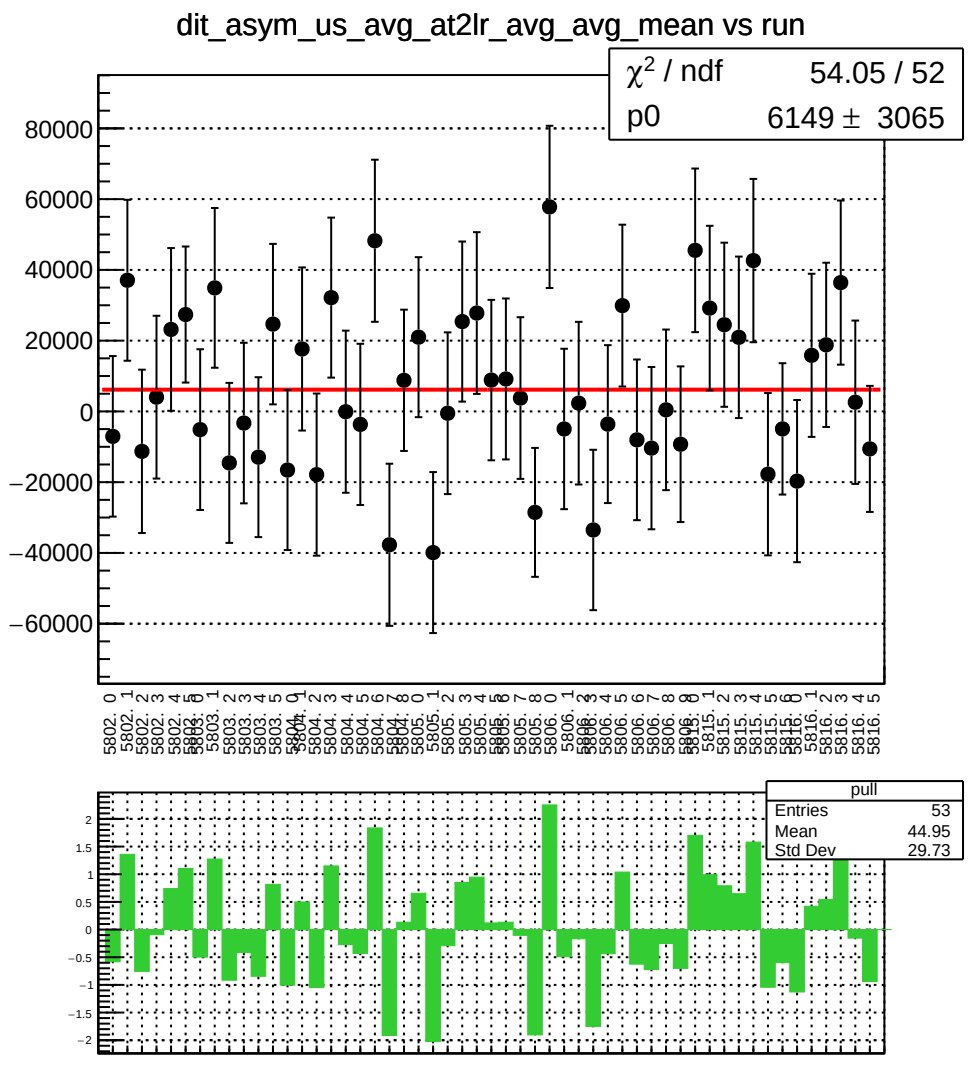

pull1D
Entries 53
Mean 0.01254
Std Dev 0.9518

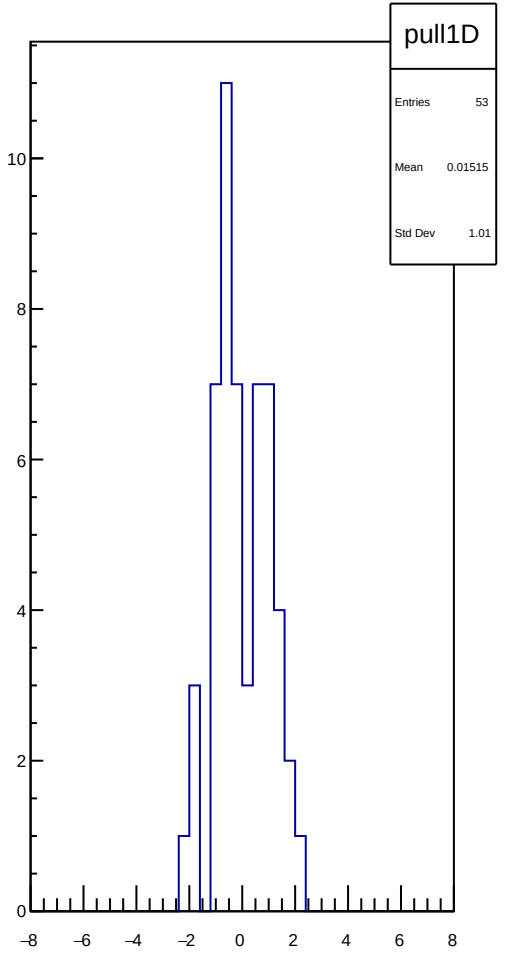

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 65.78 / 52
p0 2138 ± 2.136
2200
2180
2160
2140
2120
2100
2080

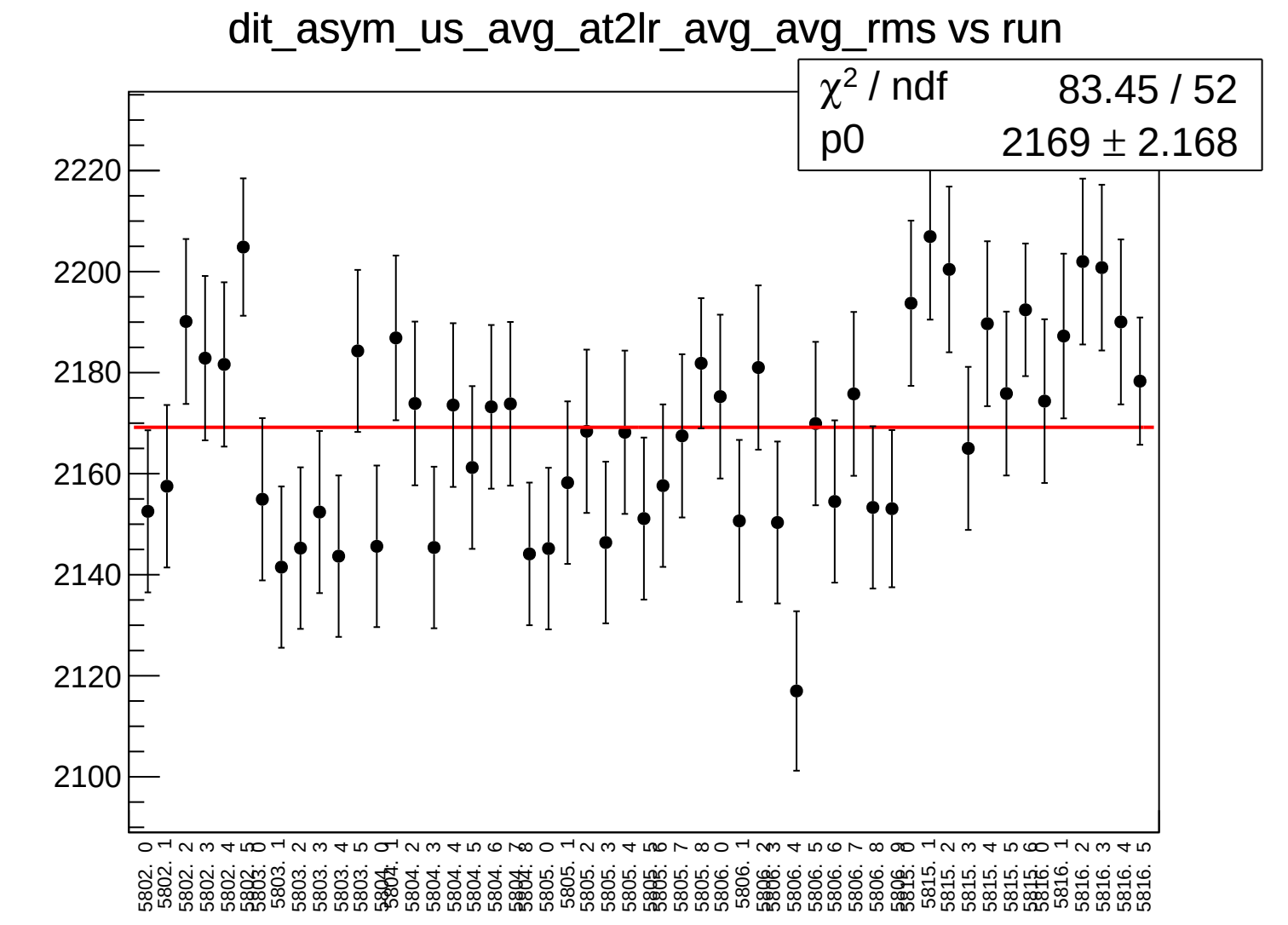

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.74 / 52
p0 −6387 ± 1.203e+04
pull
Entries 53
Mean −54.1
Std Dev 0

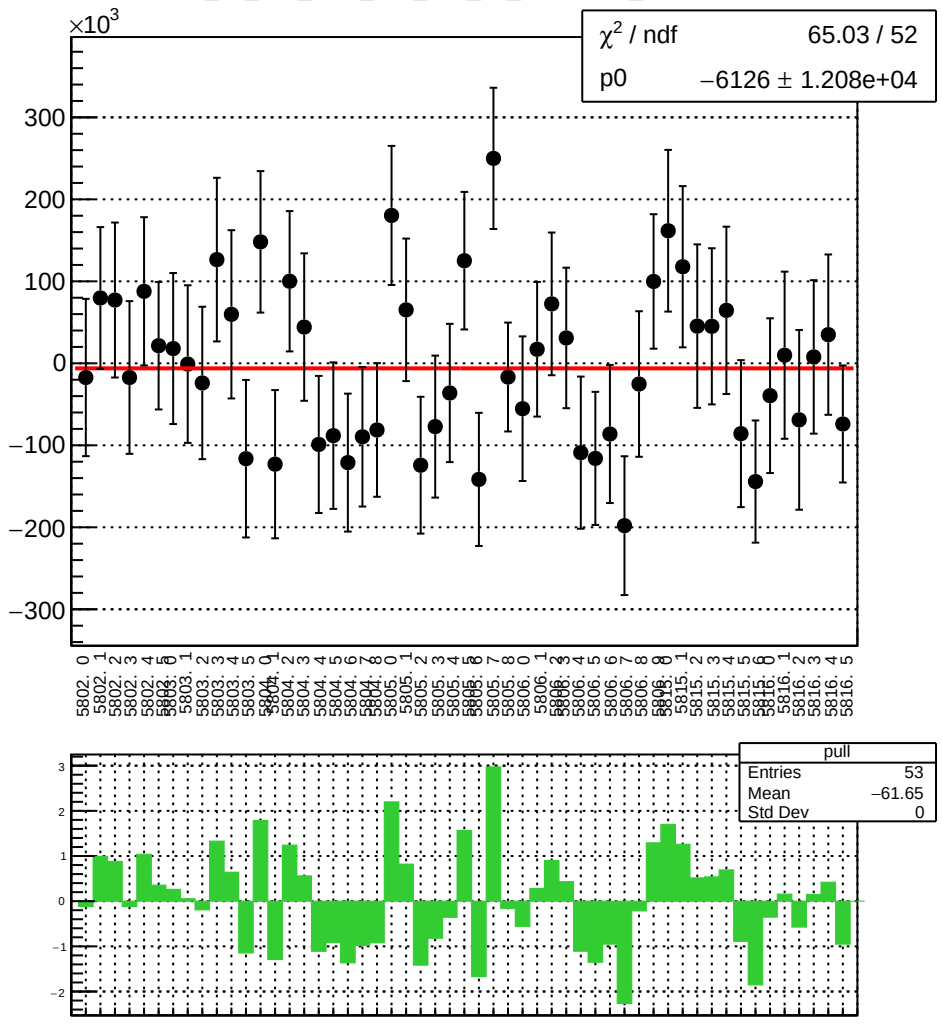

pull1D
Entries 53
Mean 0.02763
Std Dev 1.113

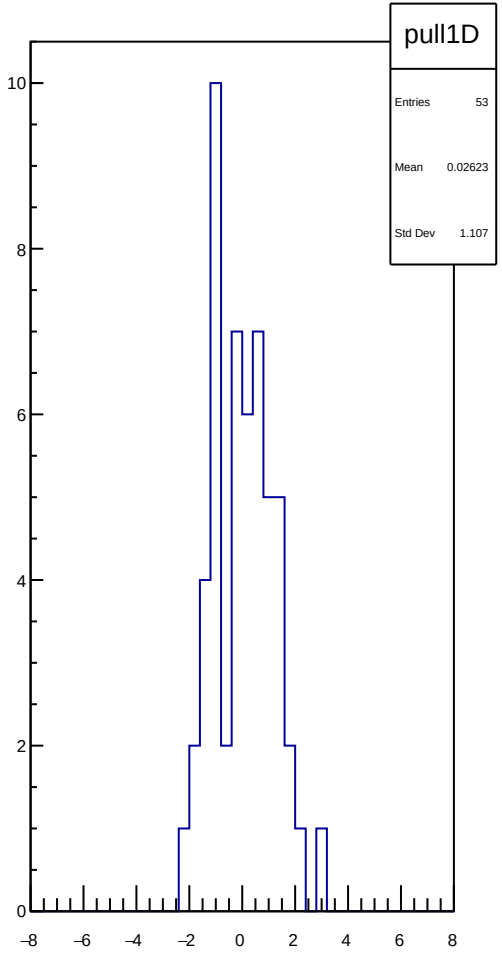

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3649 / 52
p0 8498 ± 8.507
10500
10000
9500
9000
8500
8000
7500

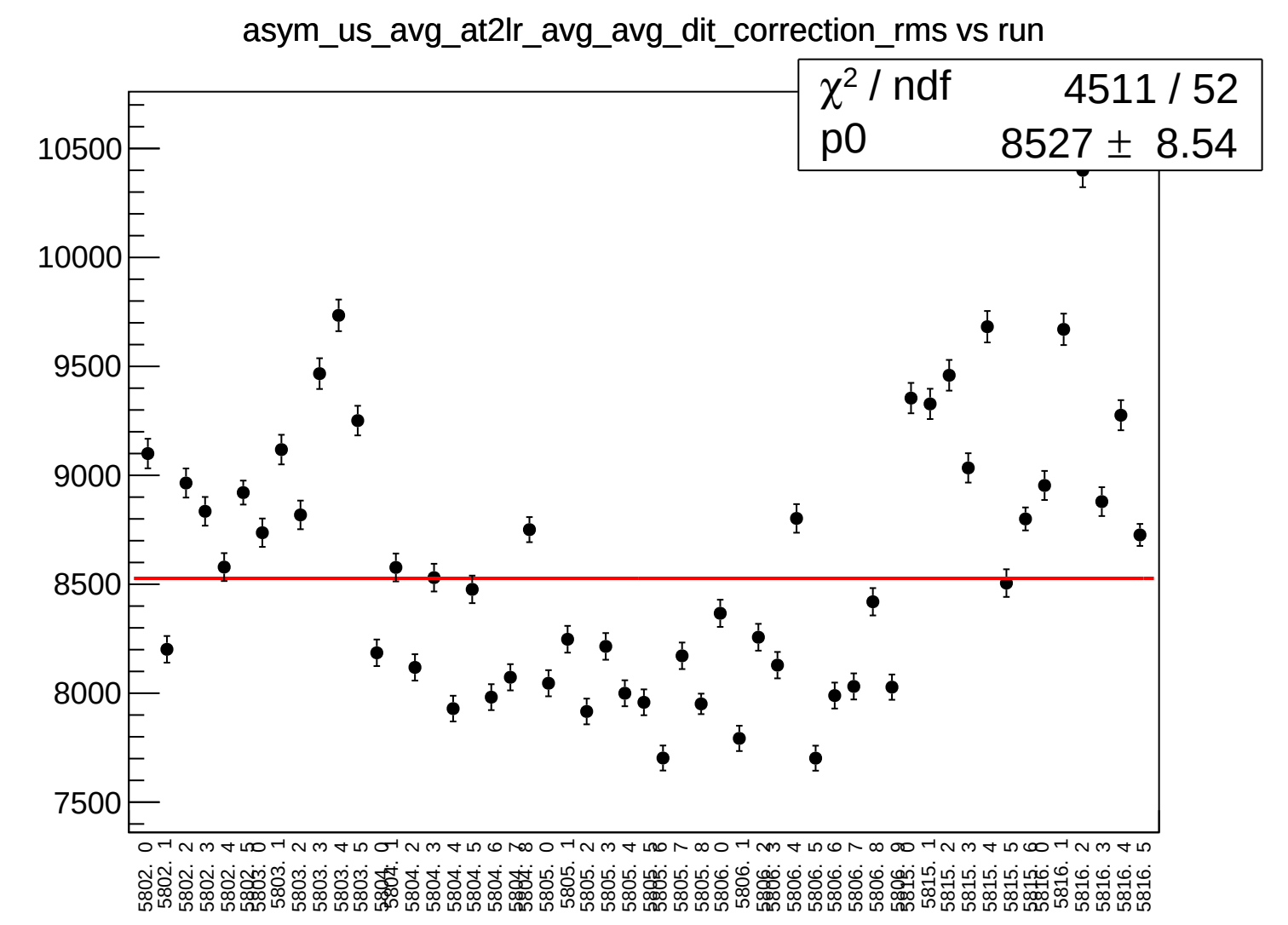

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 54.05 / 52
p0 6149 ± 3065
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 44.95
Std Dev 29.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

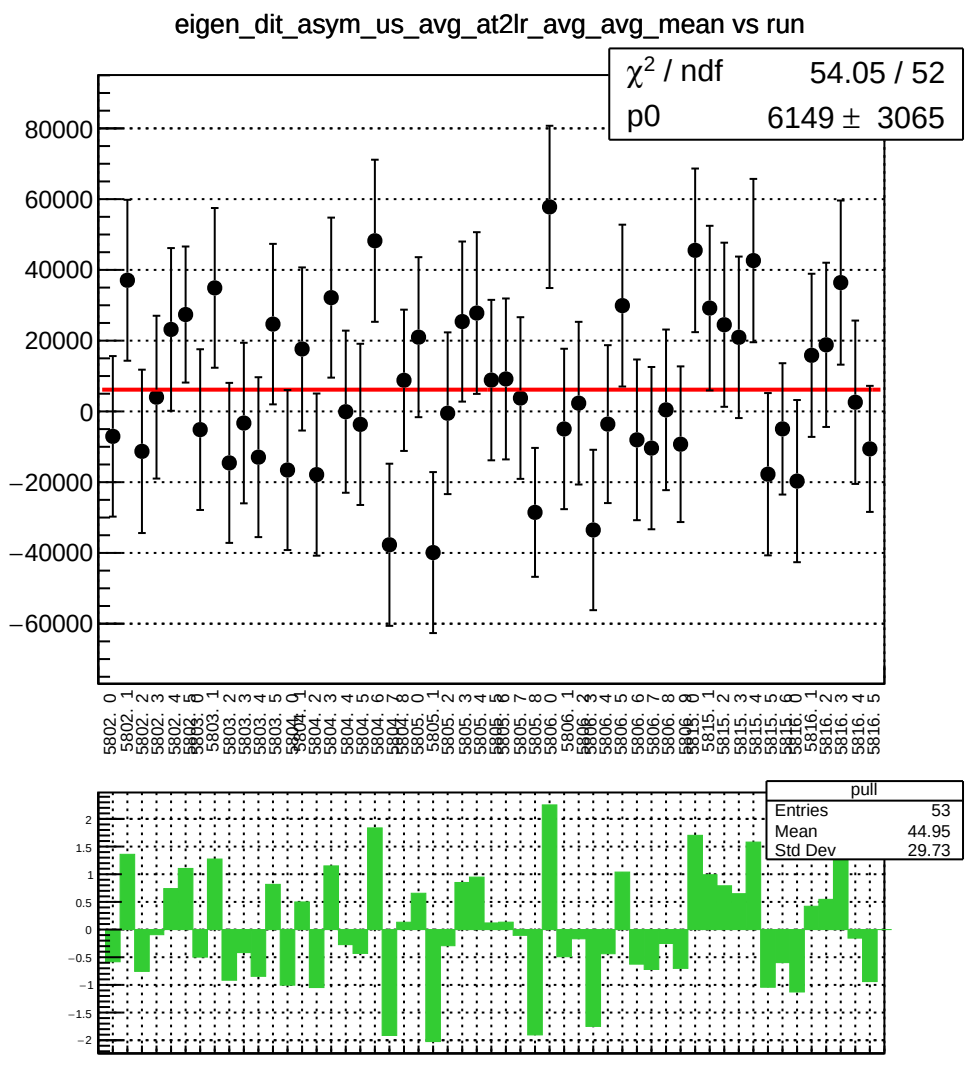

pull1D
Entries 53
Mean 0.01515
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

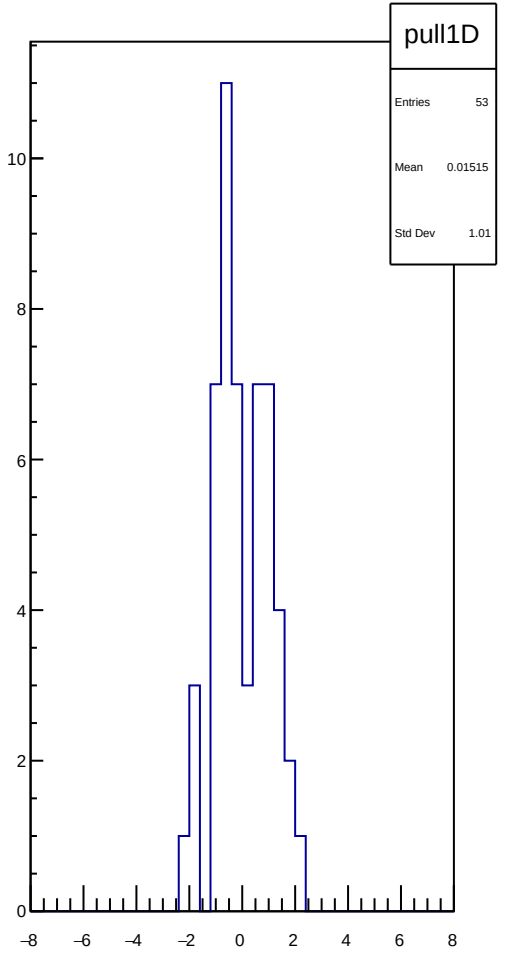

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 83.45 / 52
p0 2169 ± 2.168
2220
2200
2180
2160
2140
2120
2100

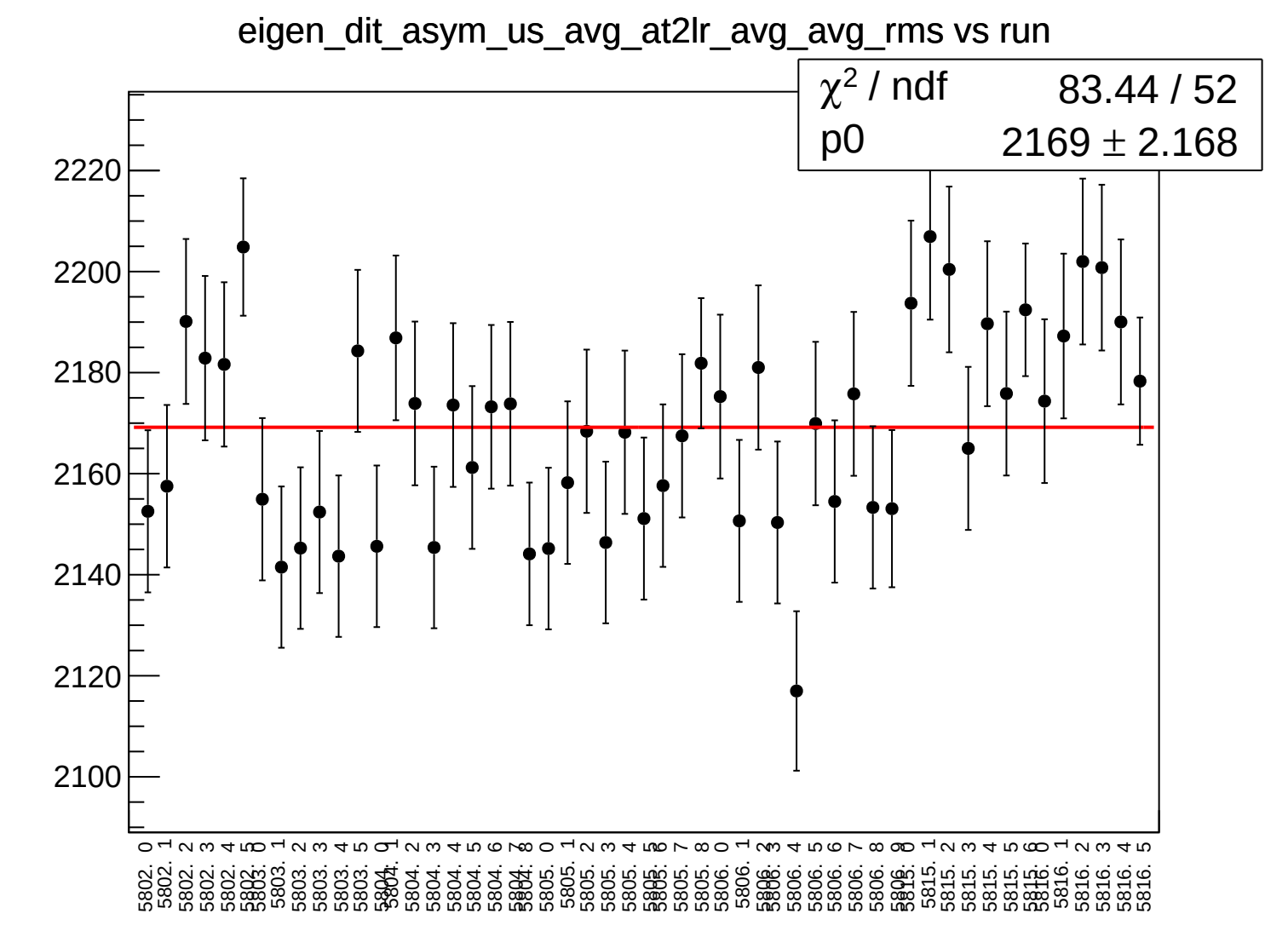

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 65.03 / 52
p0 −6126 ± 1.208e+04
300
200
100
0
−100
−200
−300
pull
Entries 53
Mean −61.65
Std Dev 0
3
2
1
0
−1
−2

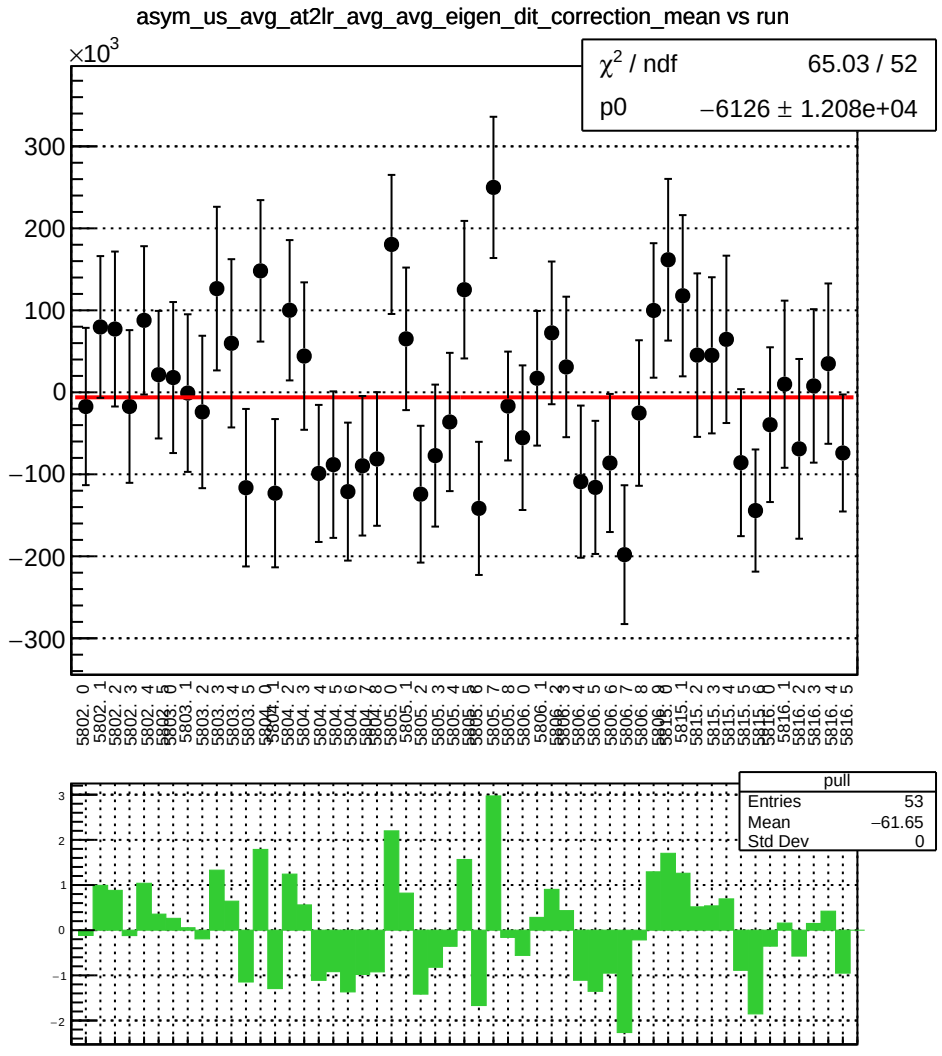

pull1D
Entries 53
Mean 0.02623
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

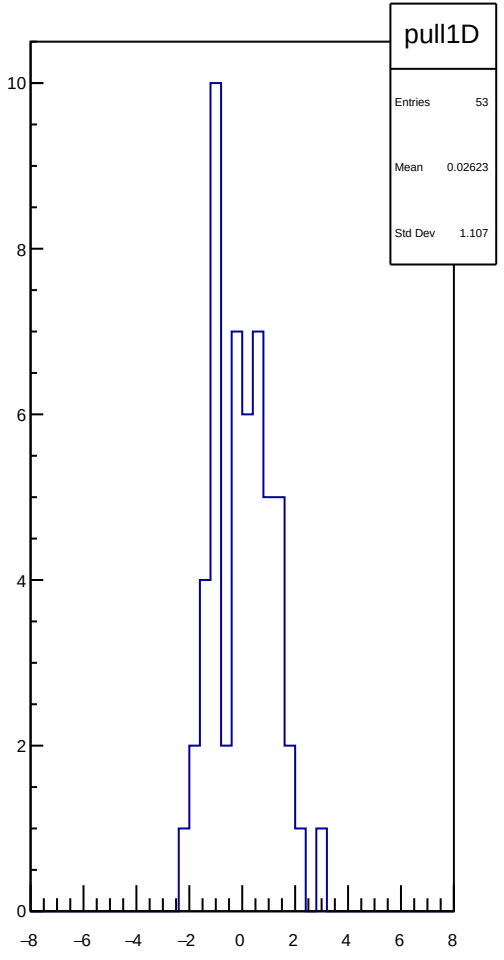

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 4511 / 52
p0 8527 ± 8.54
10500
10000
9500
9000
8500
8000
7500

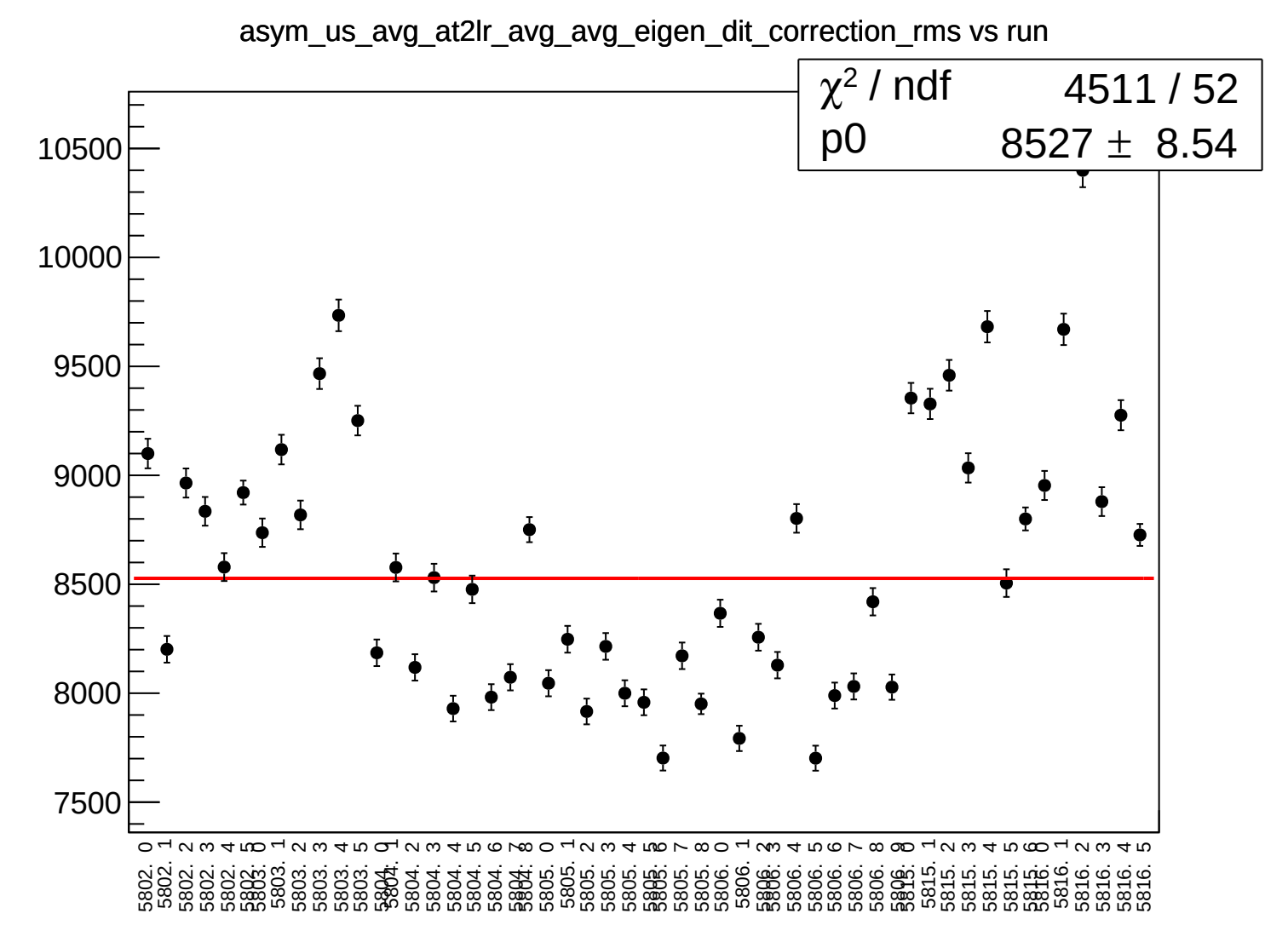

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 54.05 / 52
p0 6149 ± 3065
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 44.95
Std Dev 29.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

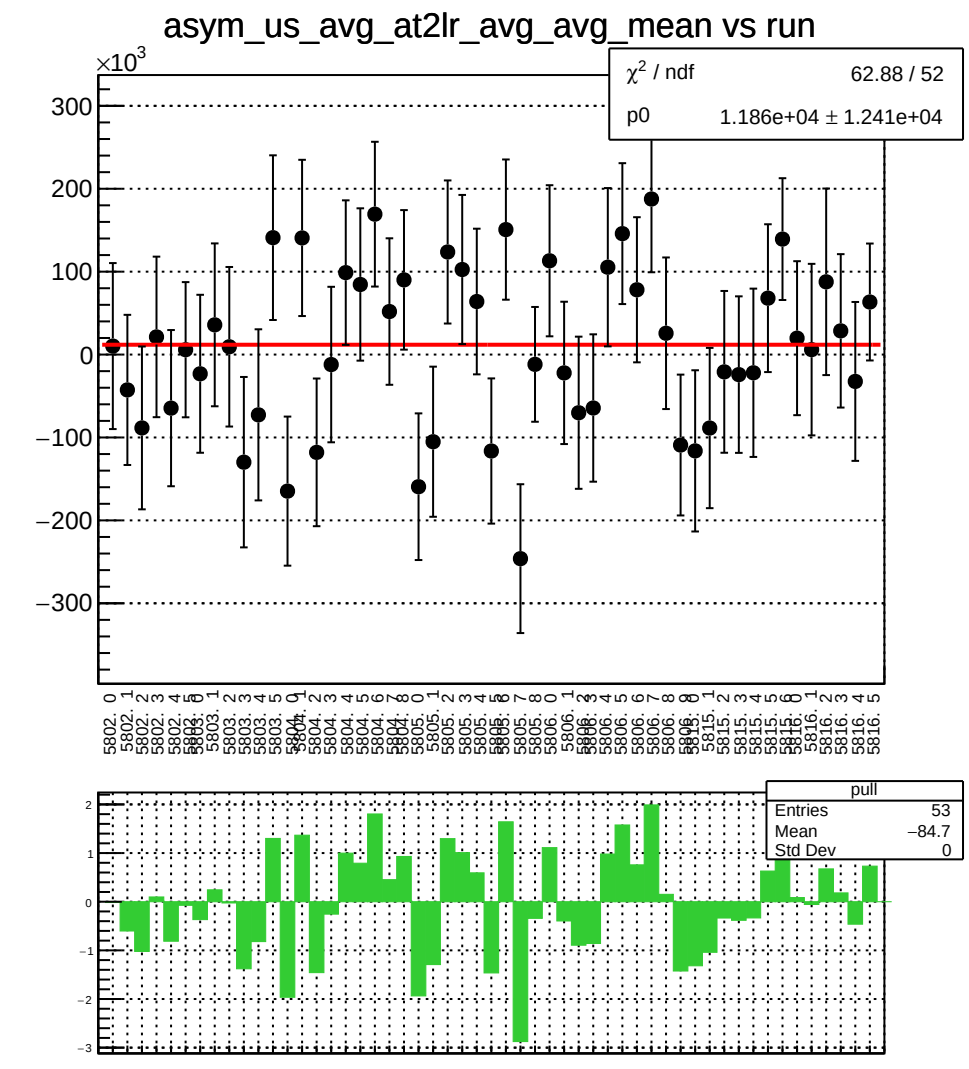

pull1D
Entries 53
Mean 0.01515
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

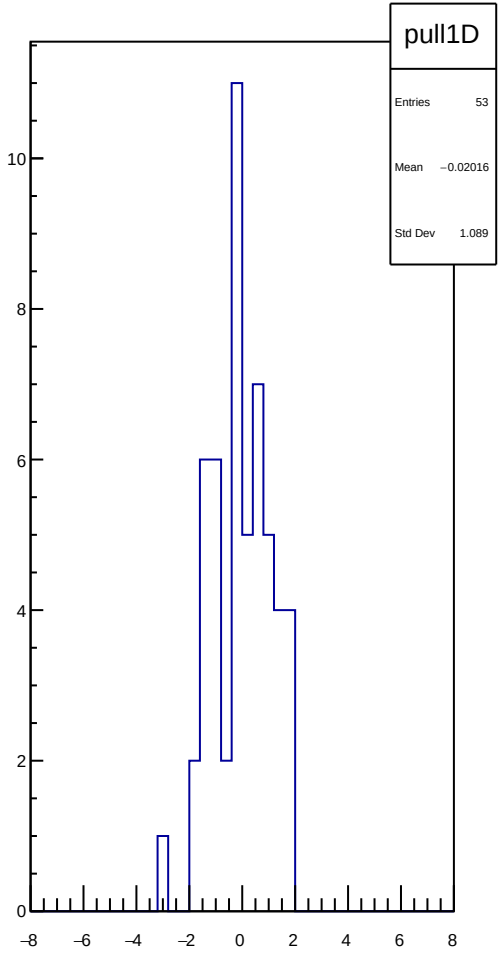

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 83.44 / 52
p0 2169 ± 2.168
2220
2200
2180
2160
2140
2120
2100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

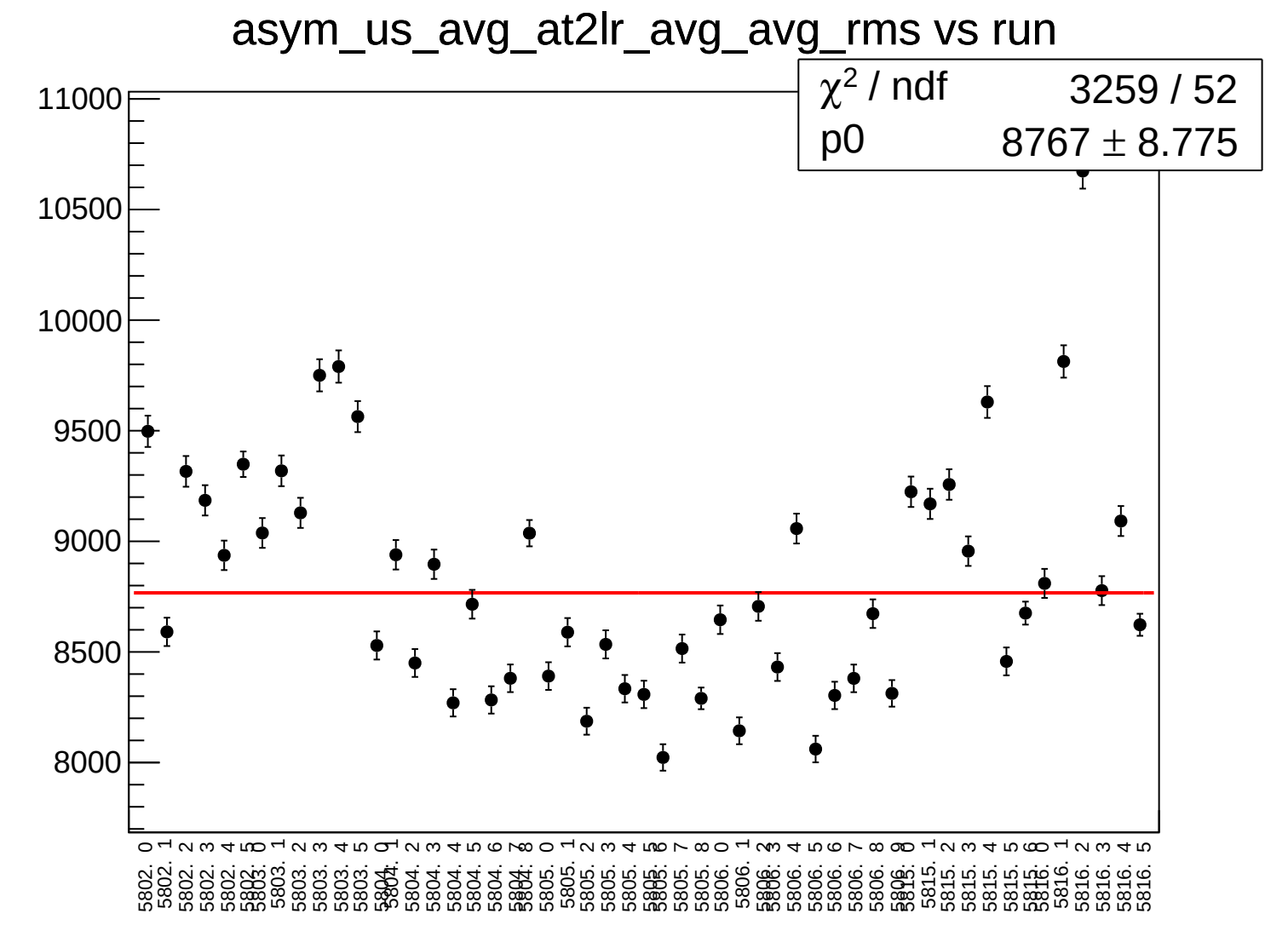

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.03 / 52
p0 −6126 ± 1.208e+04
300
200
100
0
−100
−200
−300
pull
Entries 53
Mean −61.65
Std Dev 0
3
2
1
0
−1
−2

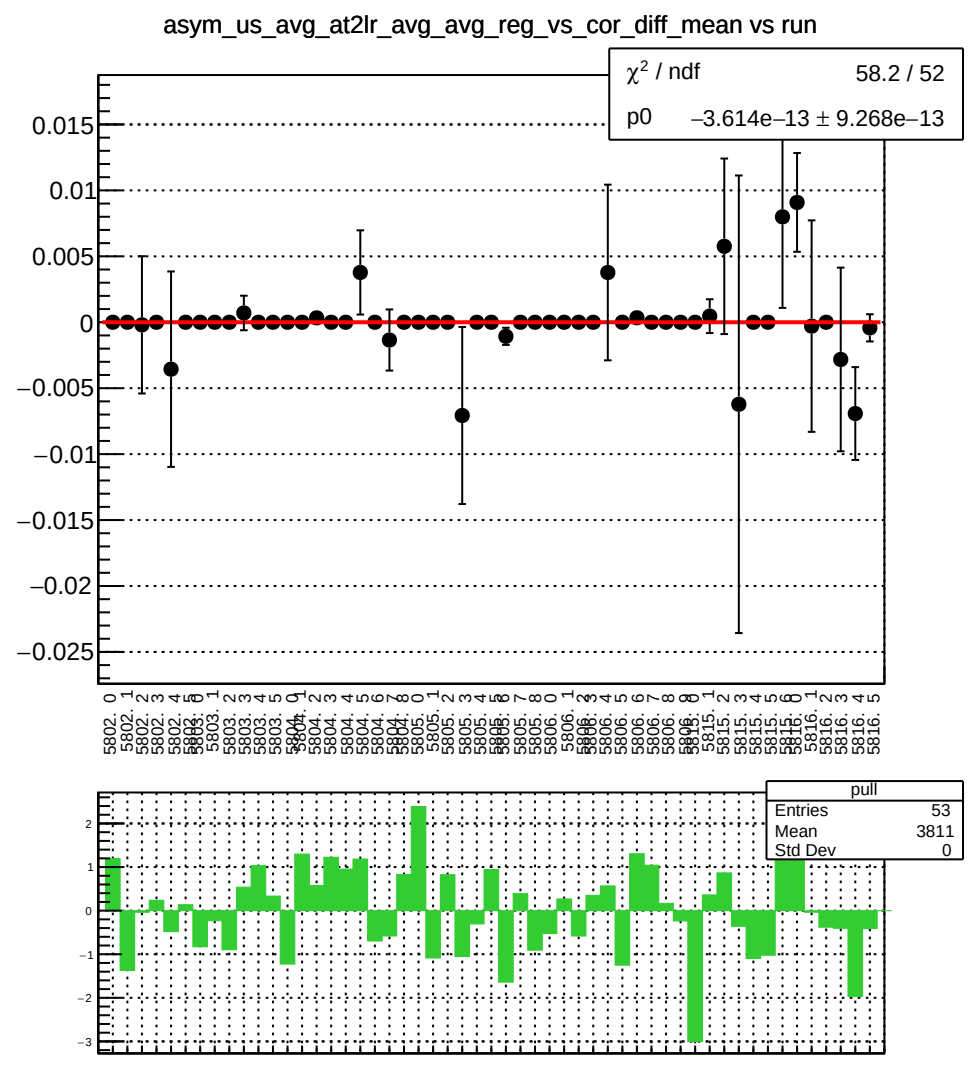

pull1D
Entries 53
Mean 0.02623
Std Dev 1.107
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

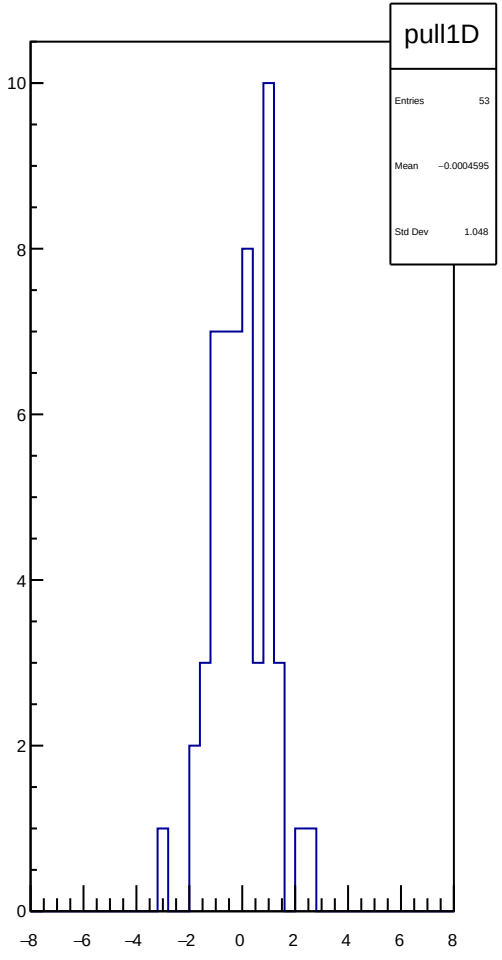

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4511 / 52
p0 8527 ± 8.54
10500
10000
9500
9000
8500
8000
7500

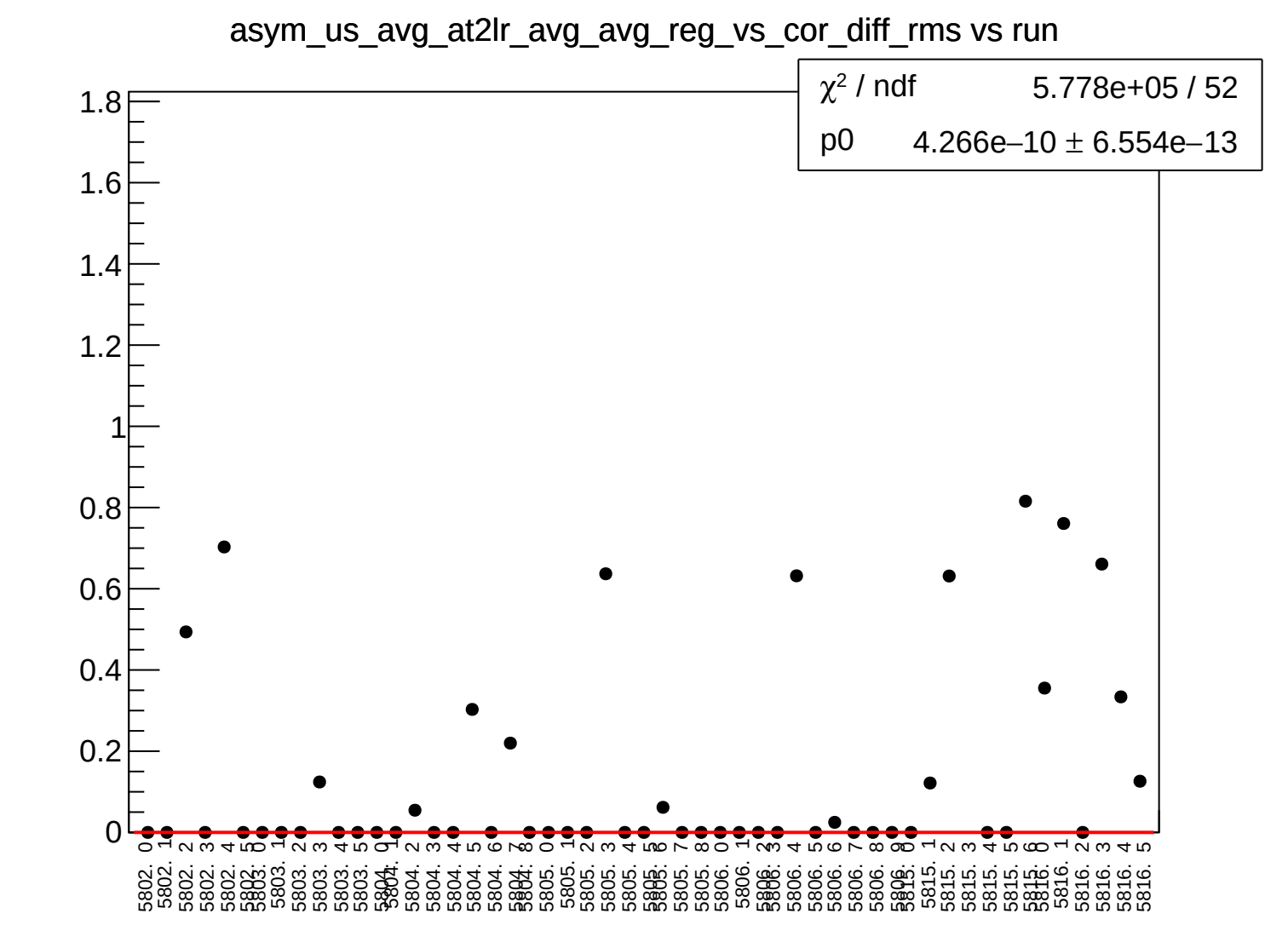

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 62.88 / 52
p0 1.186e+04 ± 1.241e+04
pull
Entries 53
Mean −84.7
Std Dev 0


pull1D
Entries 53
Mean −0.02016
Std Dev 1.089

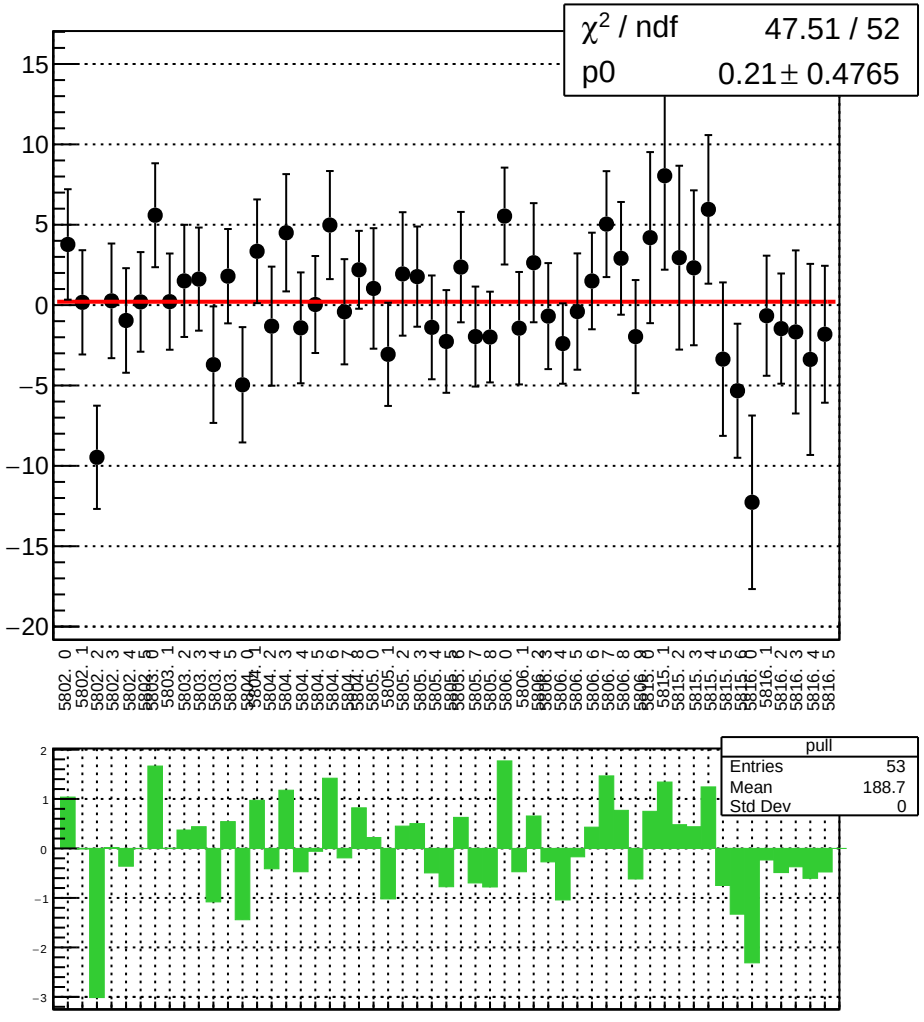

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 3259 / 52
p0 8767 ± 8.775
11000
10500
10000
9500
9000
8500
8000

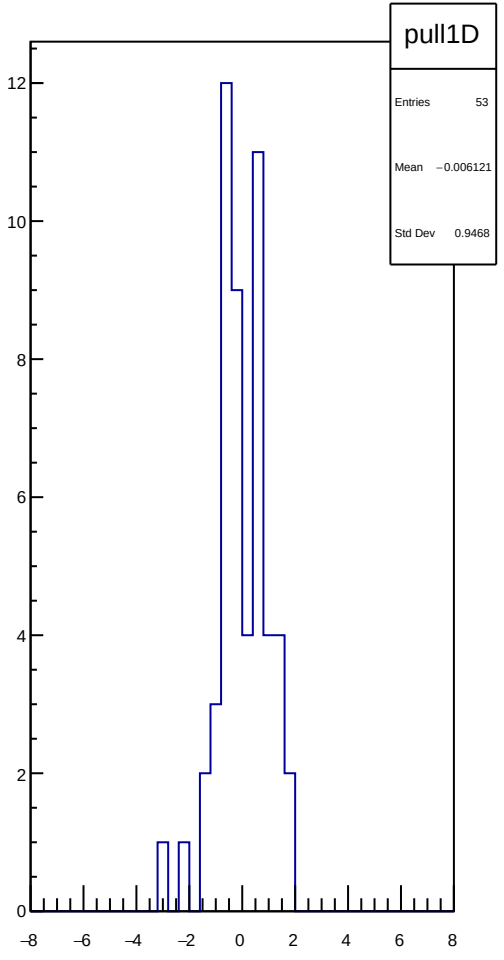

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.2 / 52
p0 −3.614e−13 ± 9.268e−13
pull
Entries 53
Mean 3811
Std Dev 0

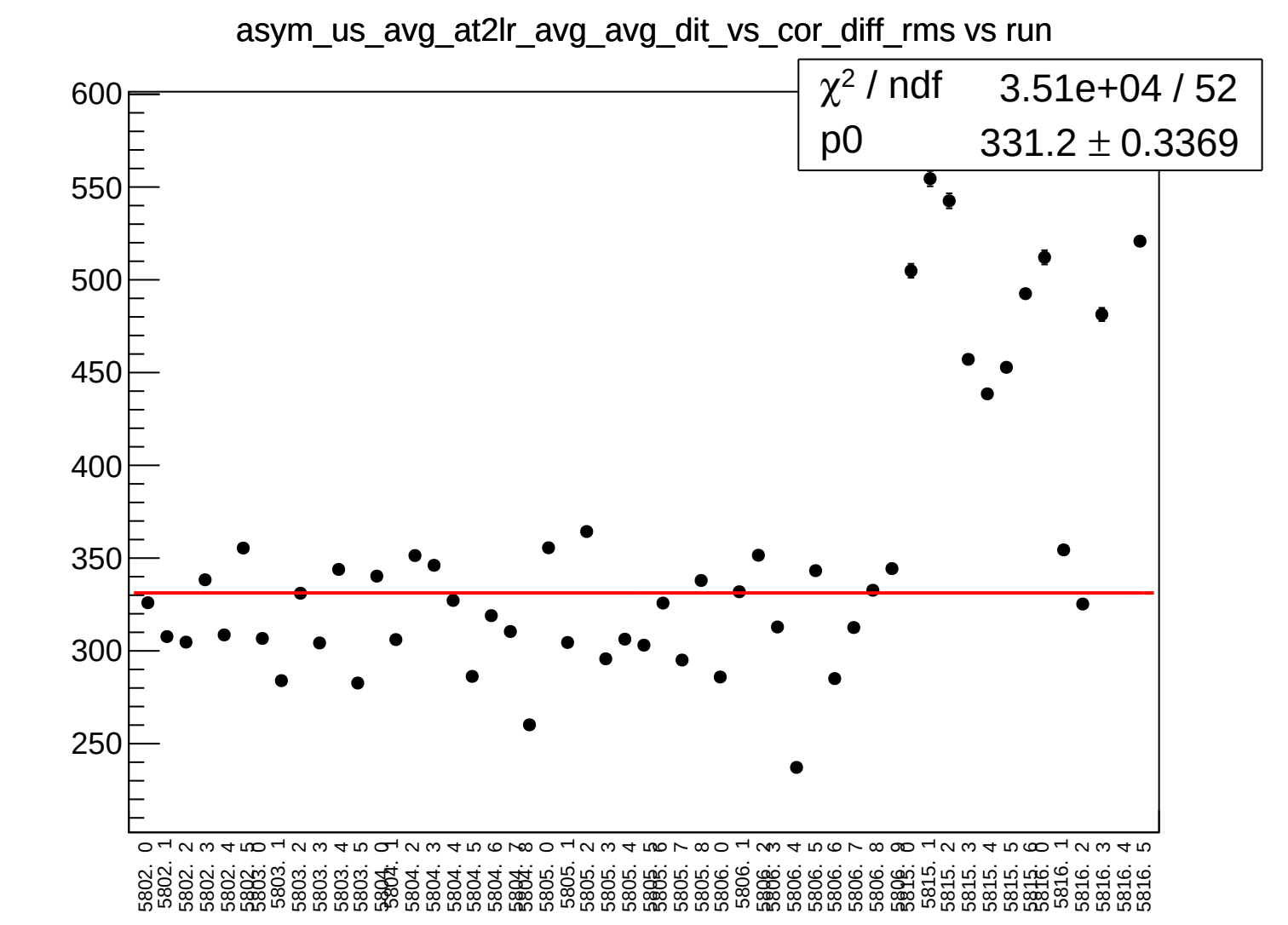

pull1D
Entries 53
Mean −0.0004595
Std Dev 1.048

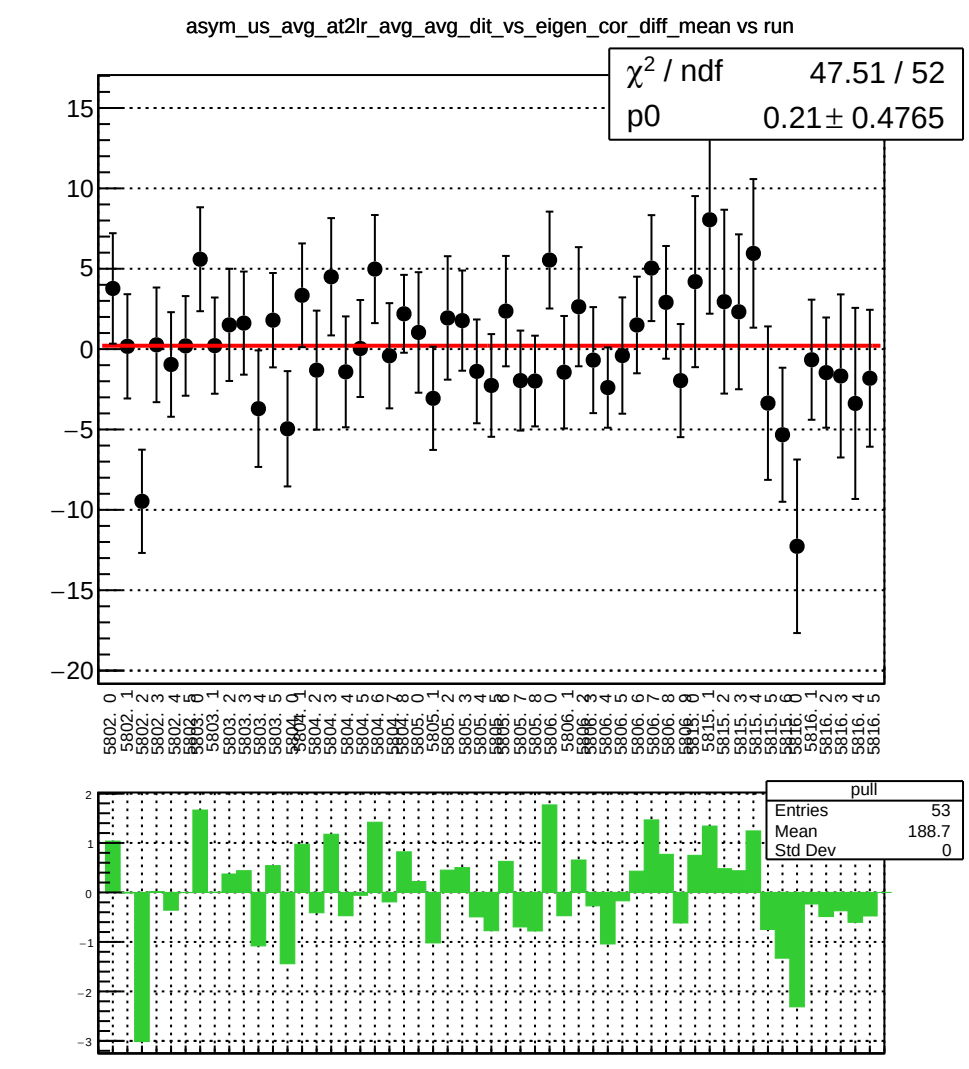

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.778e+05 / 52
p0 4.266e−10 ± 6.554e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

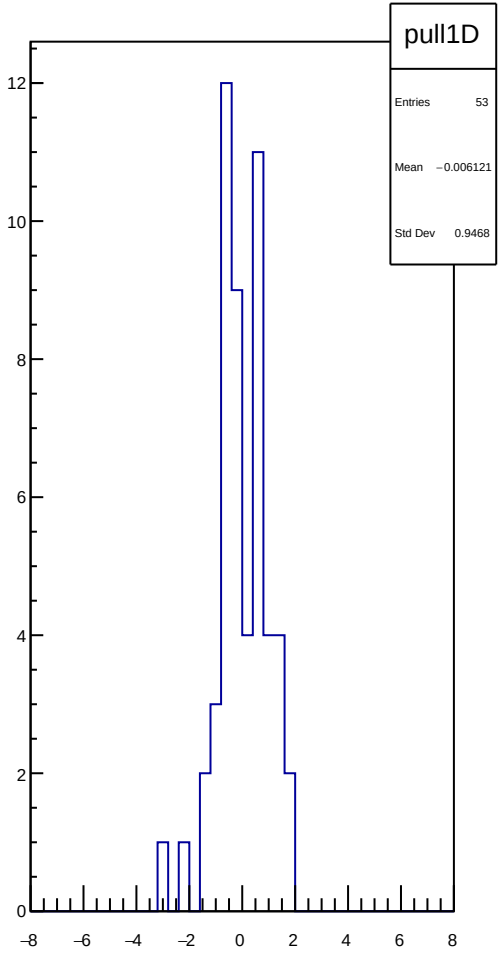
asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run

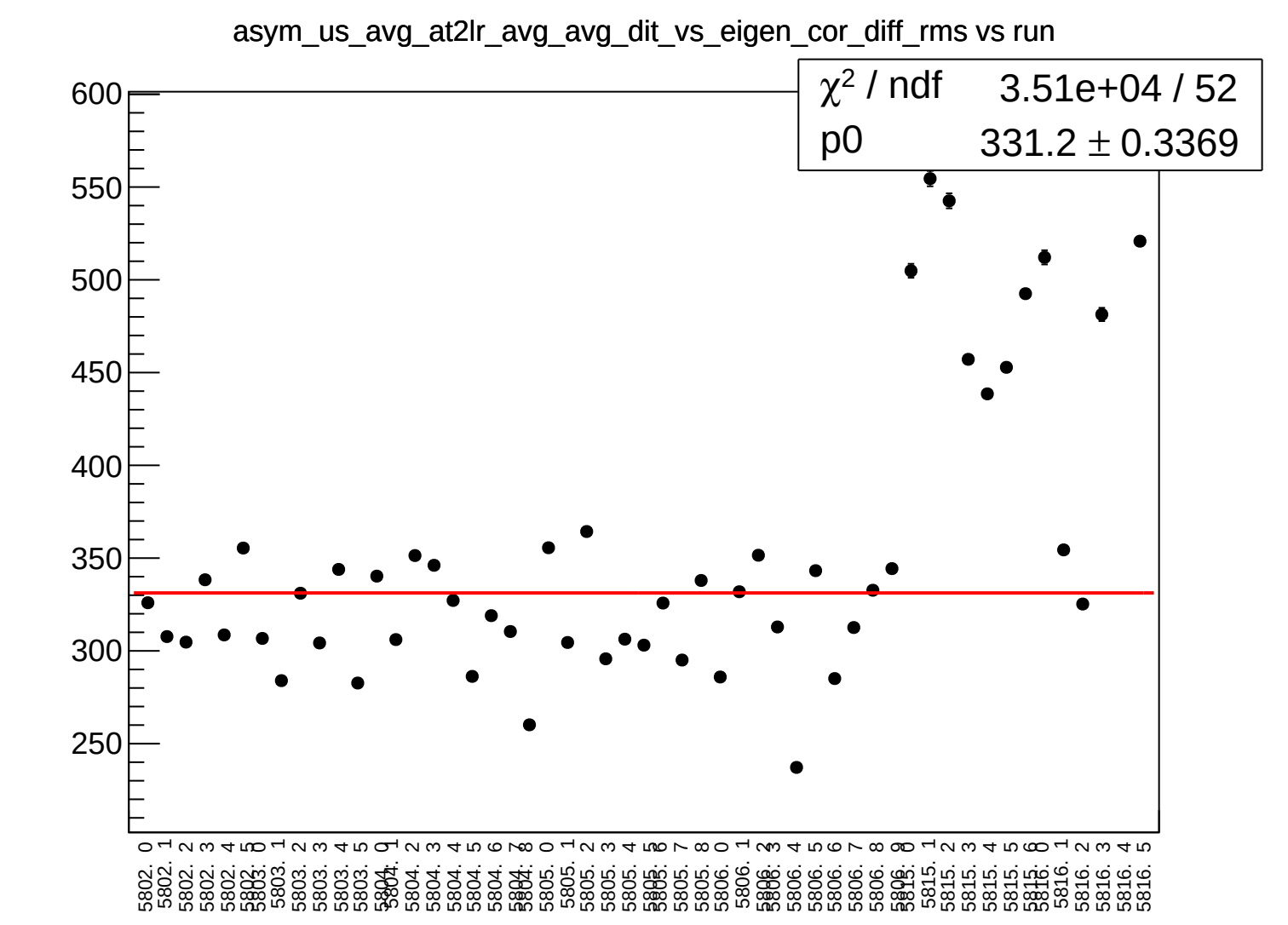


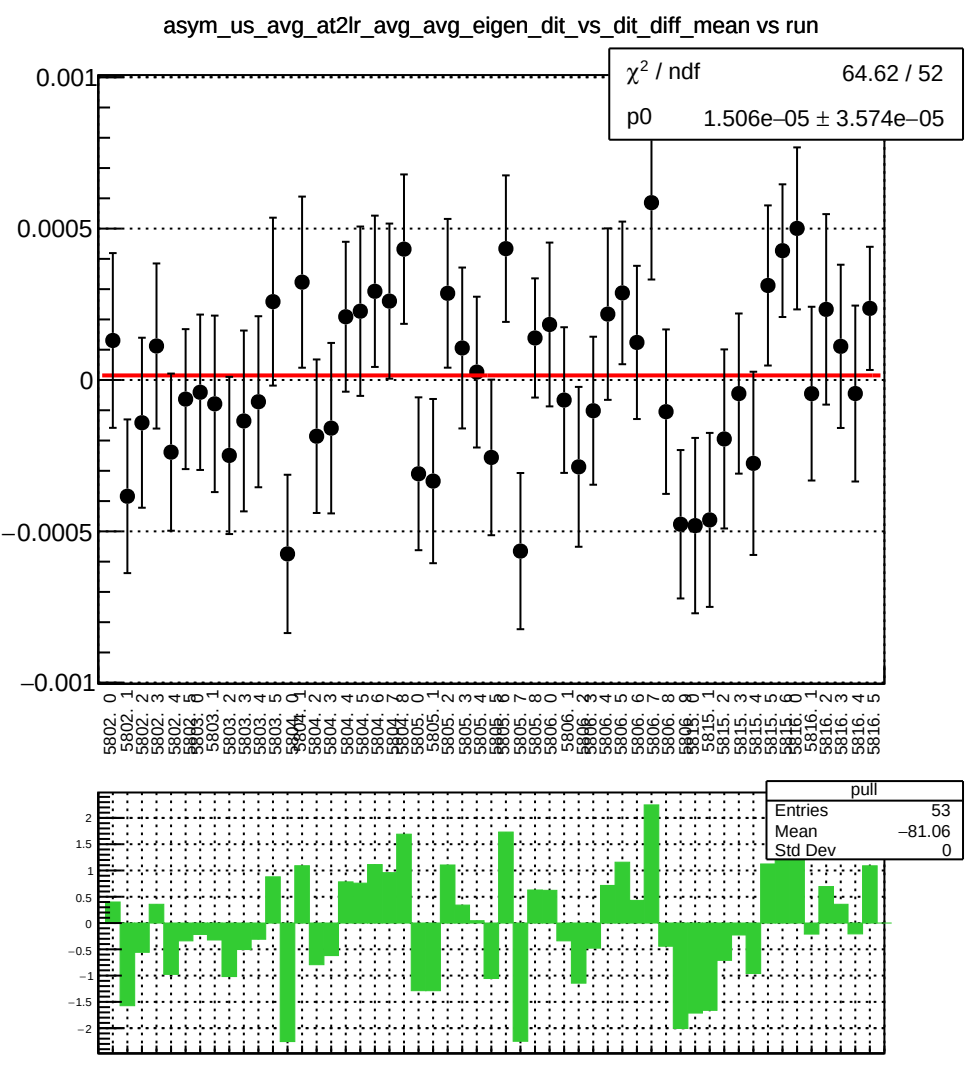


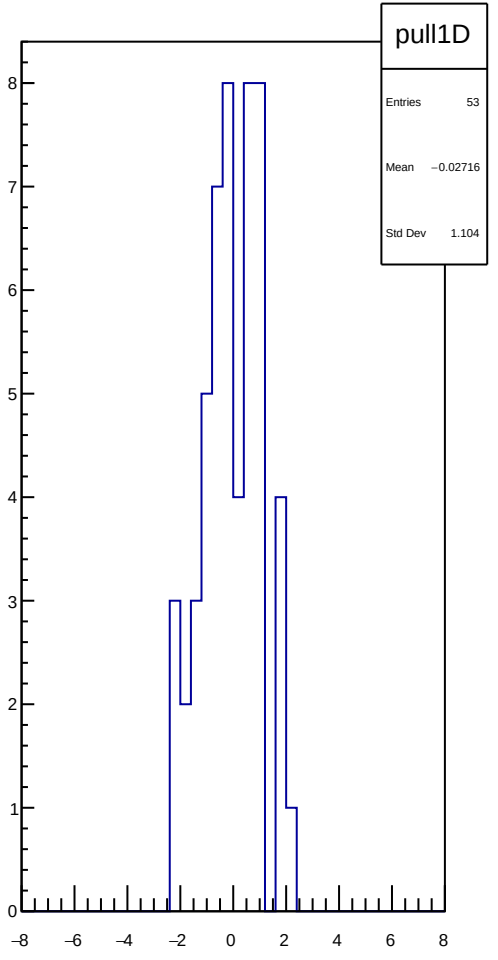

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.51e+04 / 52
p0 331.2 ± 0.3369
600
550
500
450
400
350
300
250

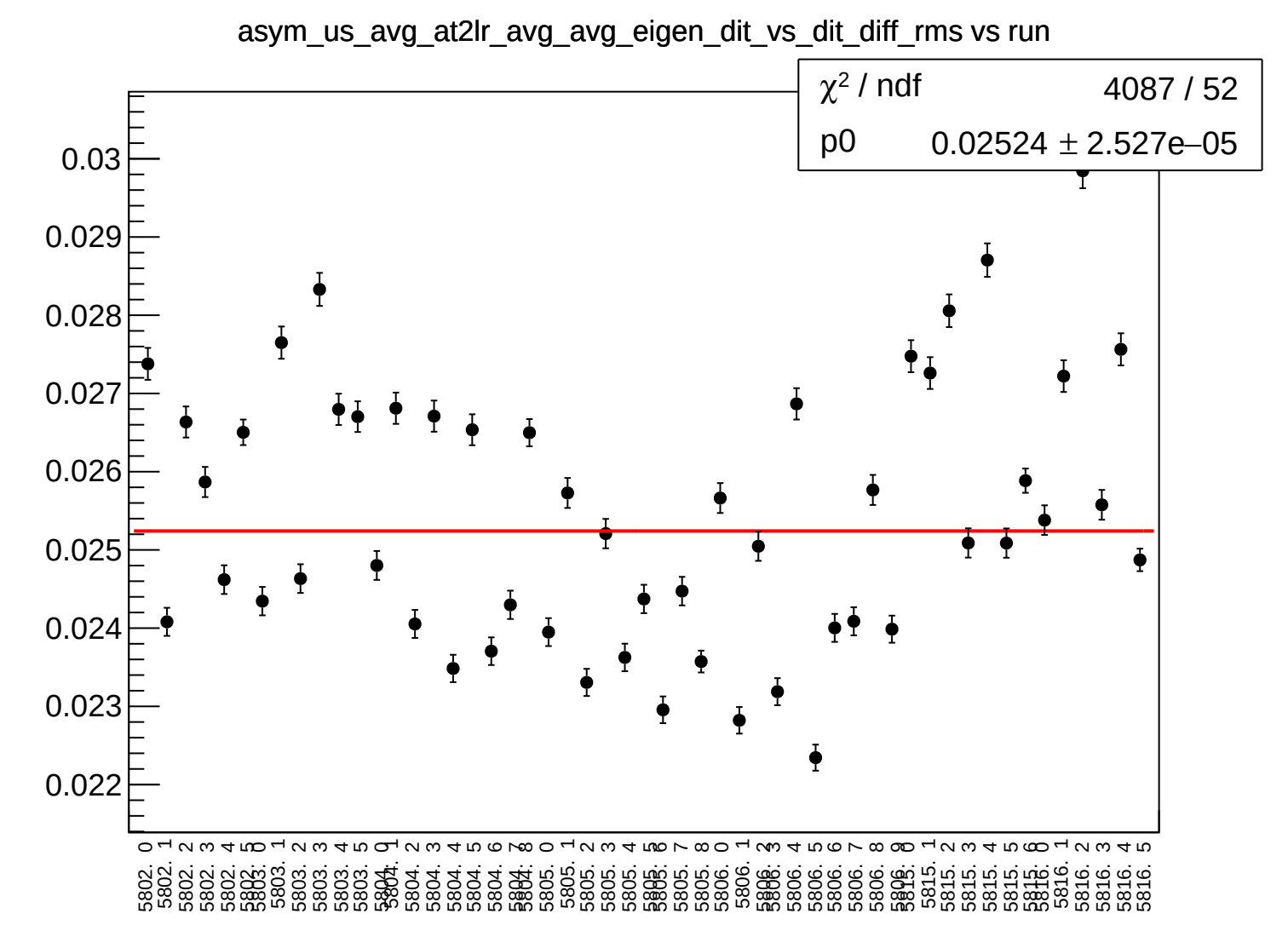

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.51 / 52
p0 0.21 ± 0.4765
pull
Entries 53
Mean 188.7
Std Dev 0

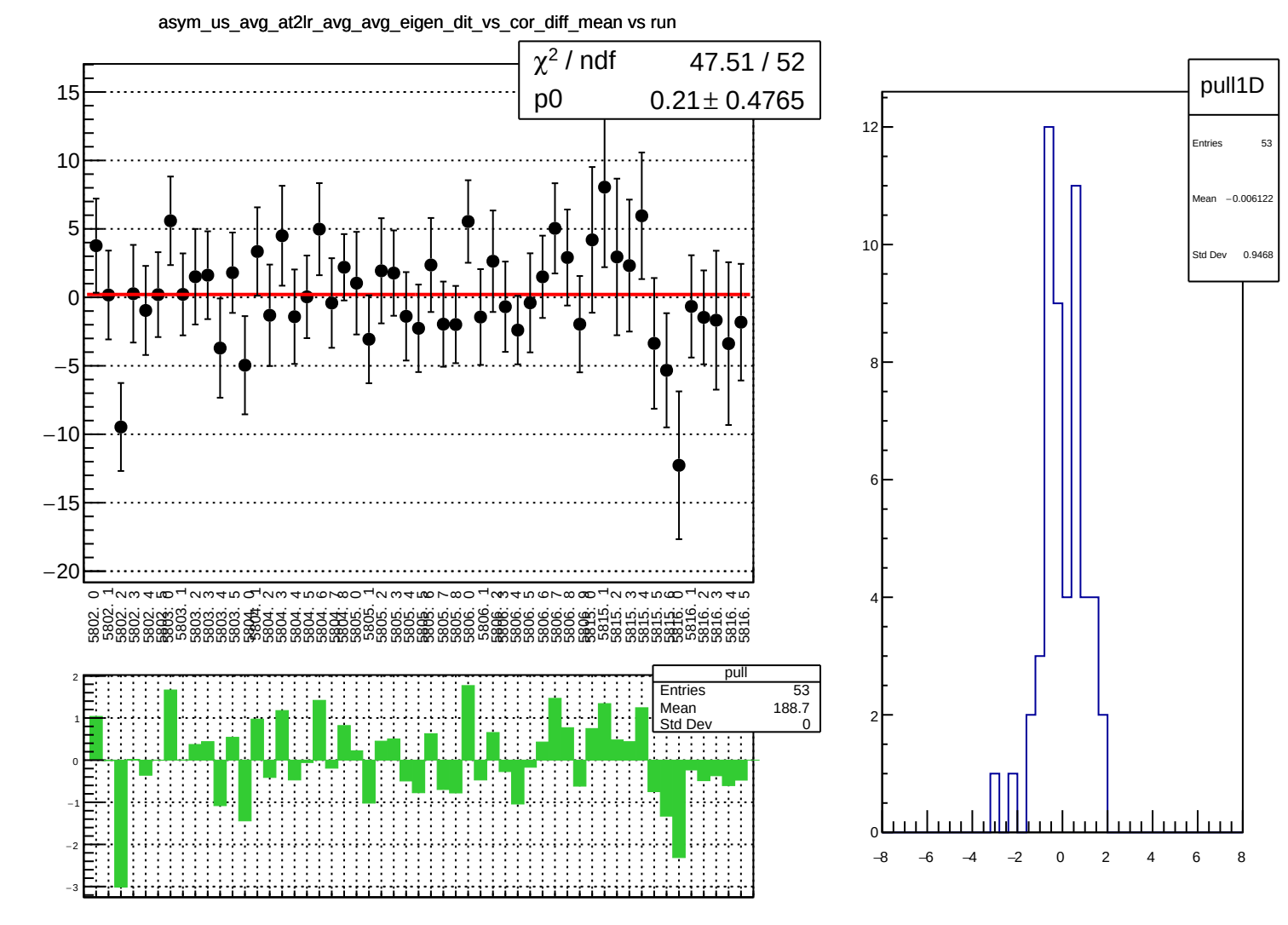

pull1D
Entries 53
Mean −0.006121
Std Dev 0.9468

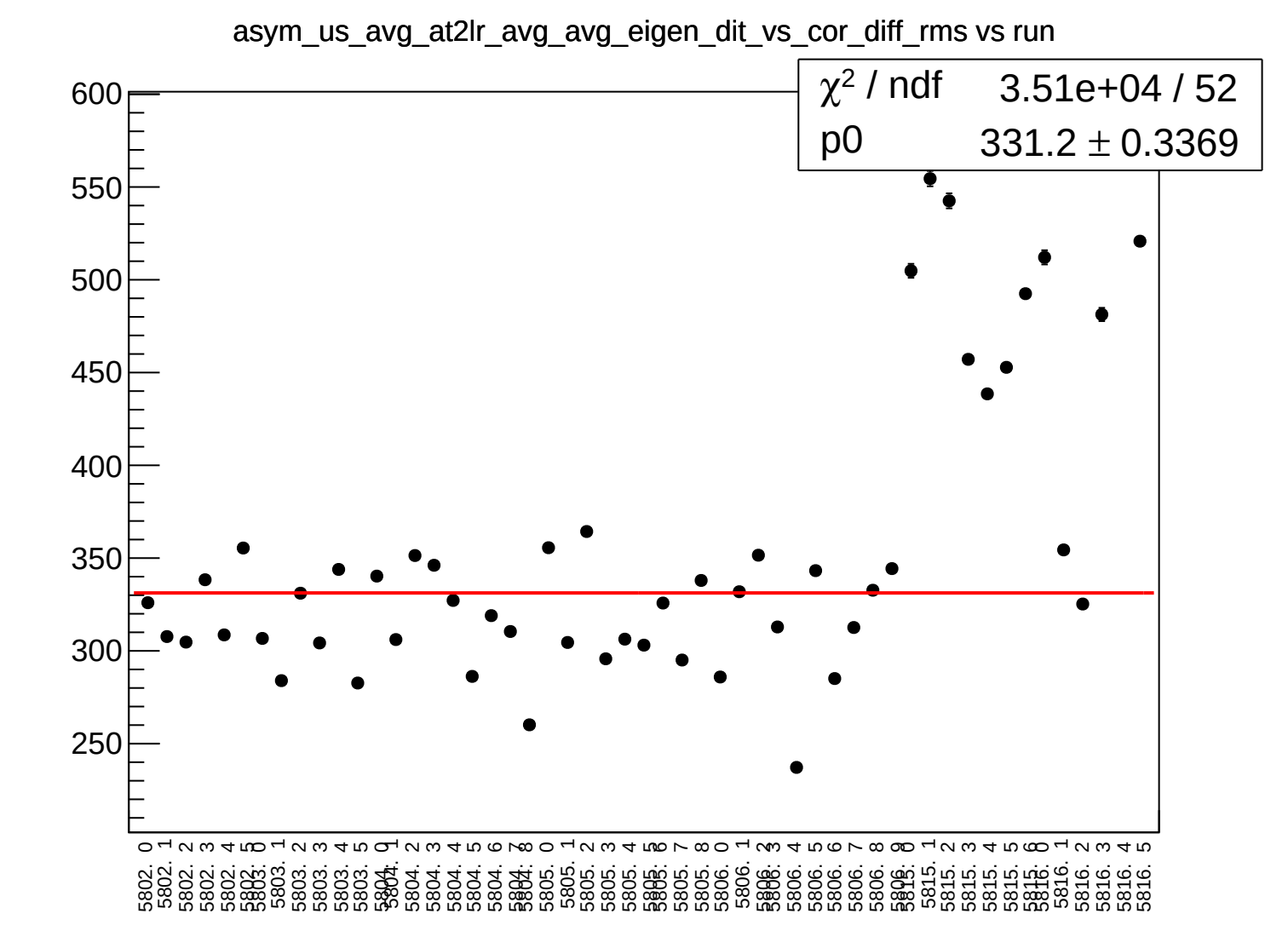

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.51e+04 / 52
p0 331.2 ± 0.3369
600
550
500
450
400
350
300
250

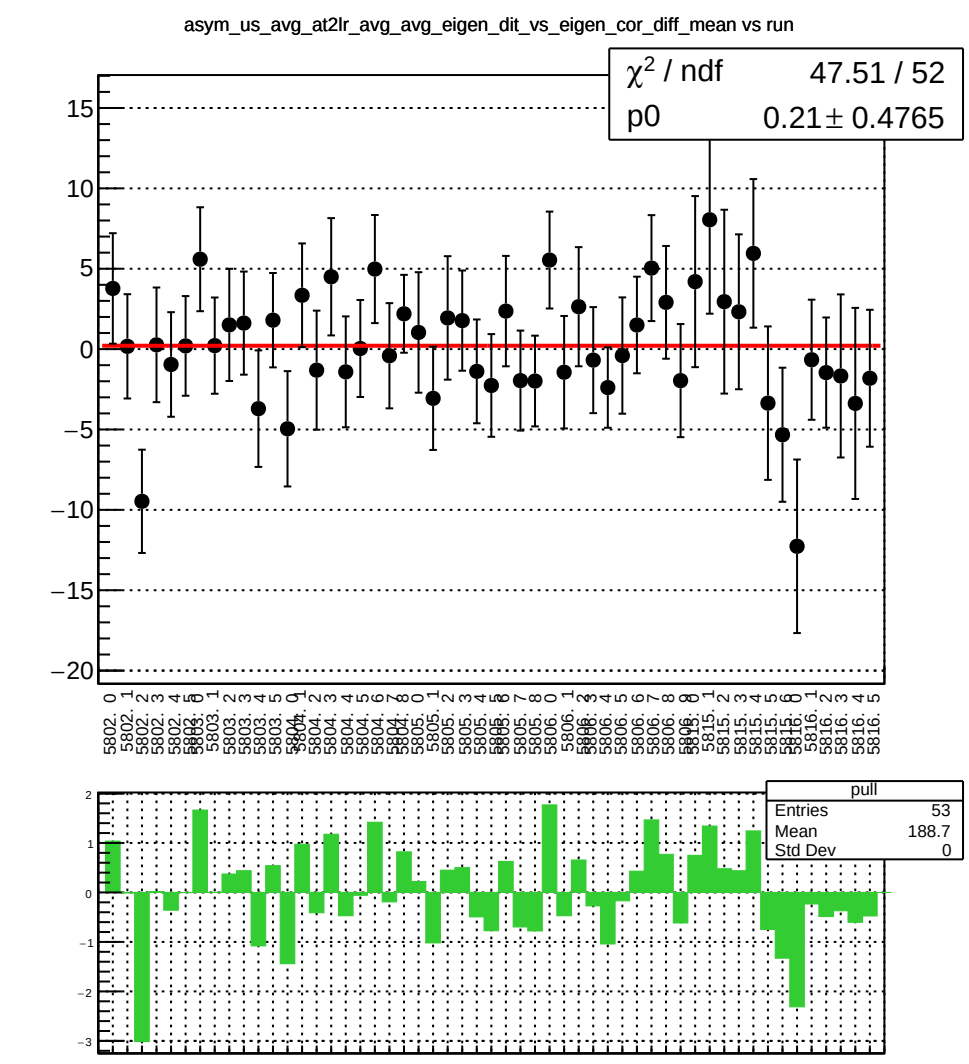

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 64.62 / 52
p0 1.506e−05 ± 3.574e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 53
Mean −81.06
Std Dev 0

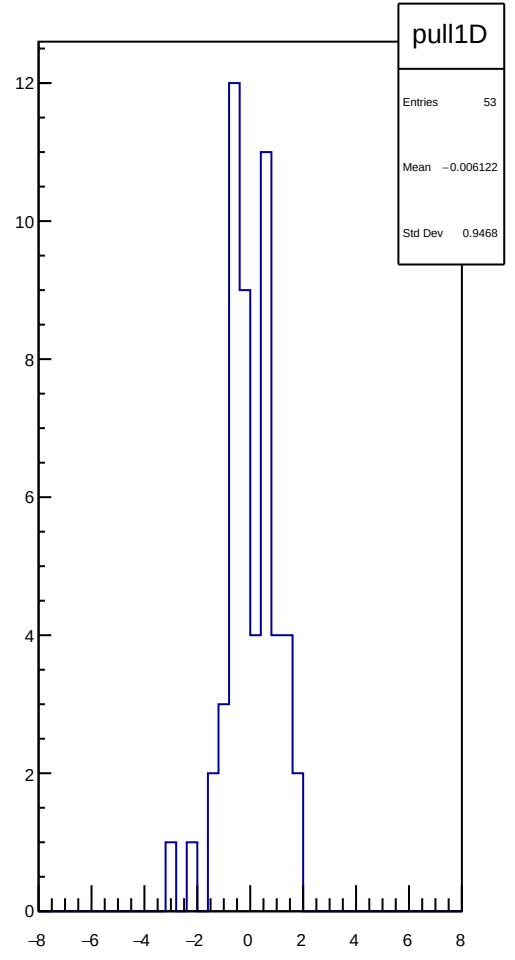

pull1D
Entries 53
Mean −0.02716
Std Dev 1.104

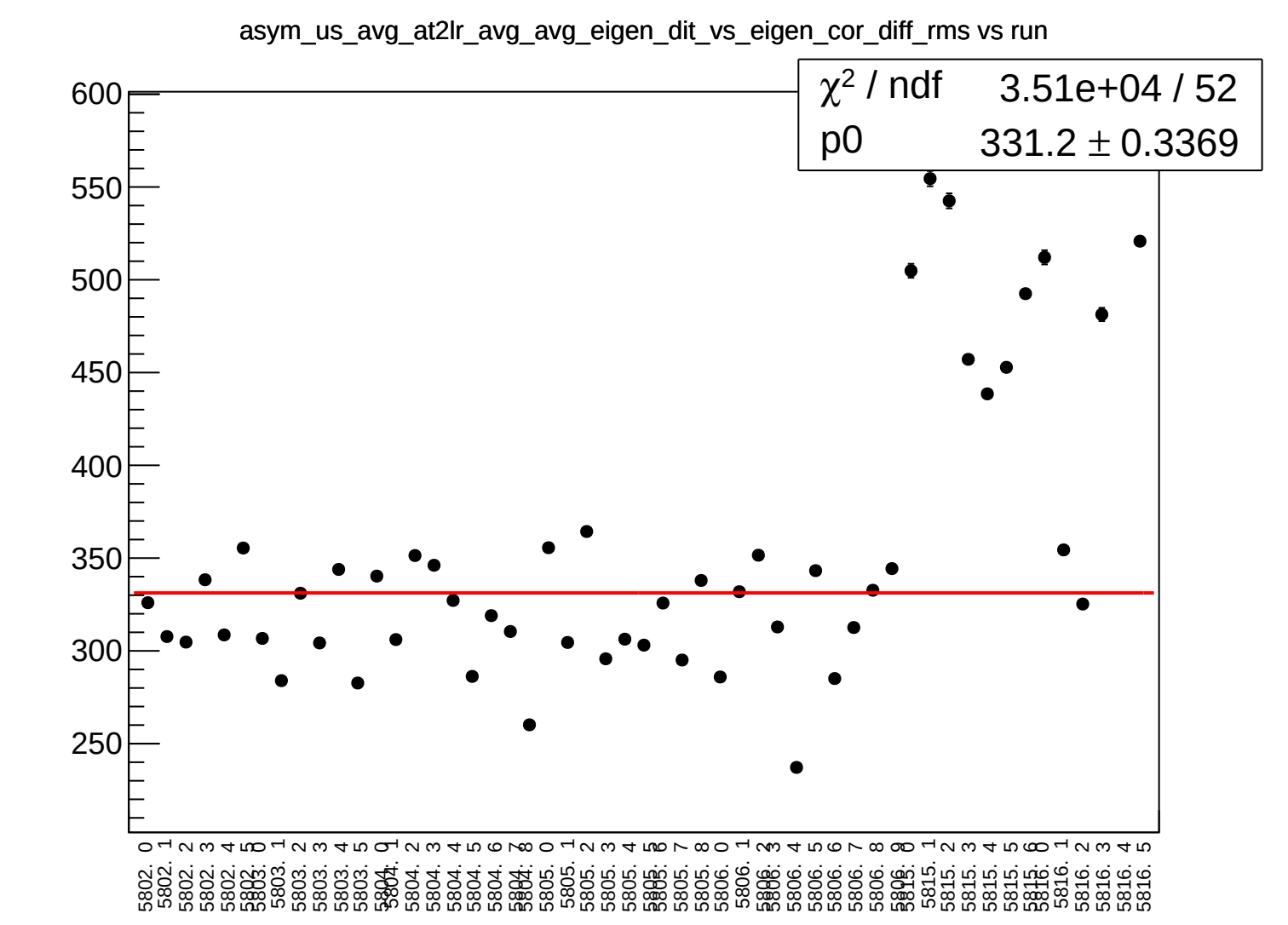

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4087 / 52
p0 0.02524 ± 2.527e−05
0.03
0.029
0.028
0.027
0.026
0.025
0.024
0.023
0.022

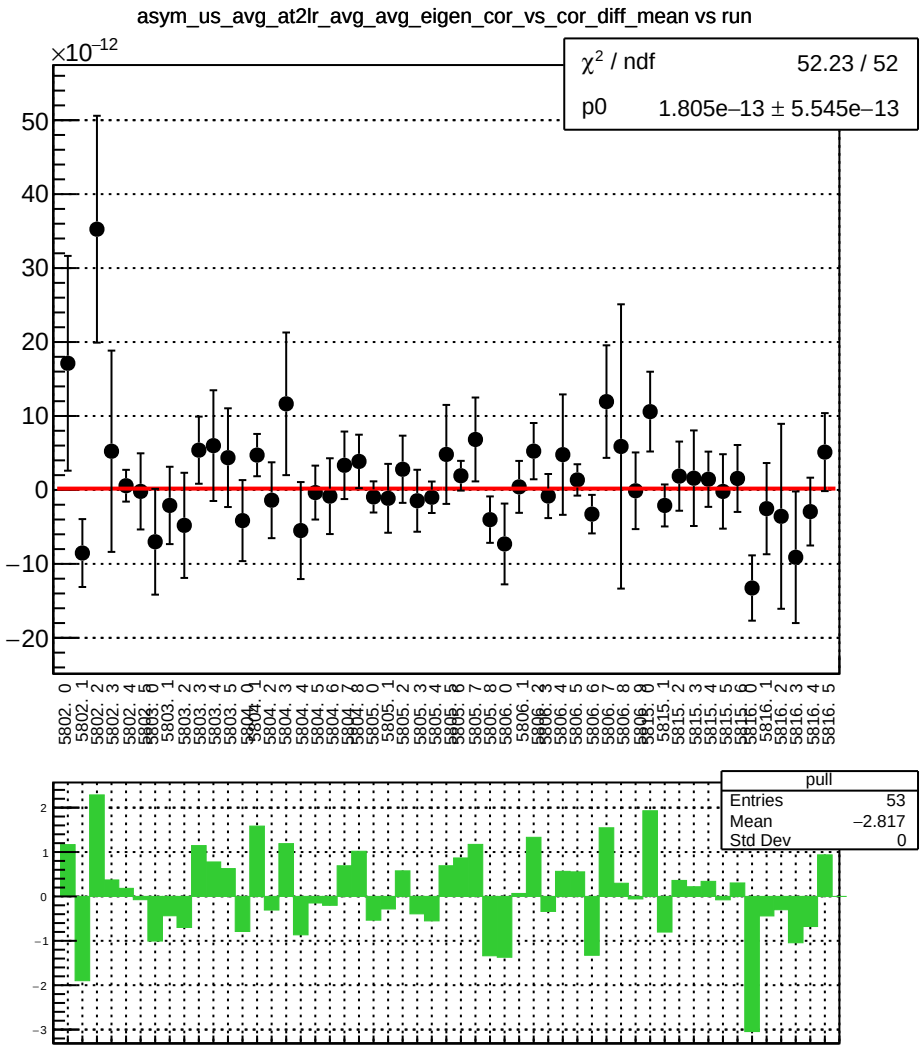

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.51 / 52
p0 0.21 ± 0.4765
pull
Entries 53
Mean 188.7
Std Dev 0
pull1D
Entries 53
Mean −0.006122
Std Dev 0.9468

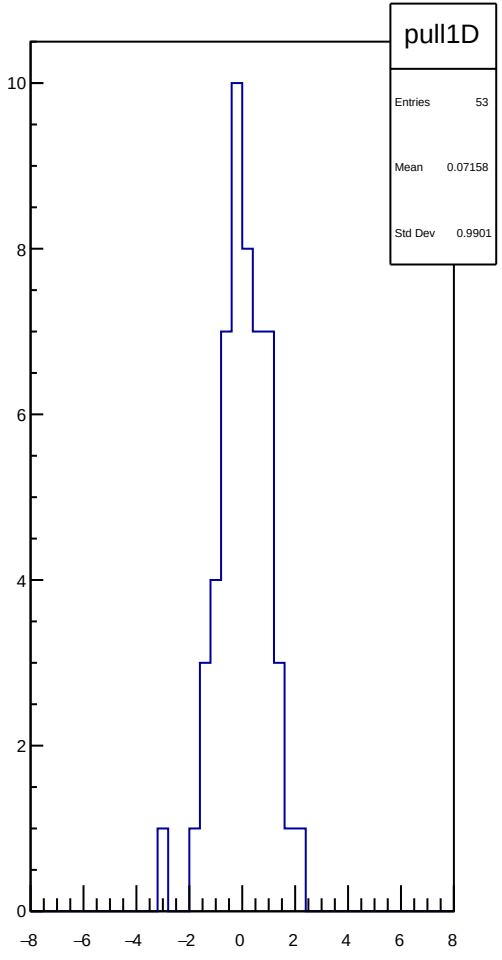

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.51e+04 / 52
p0 331.2 ± 0.3369
600
550
500
450
400
350
300
250

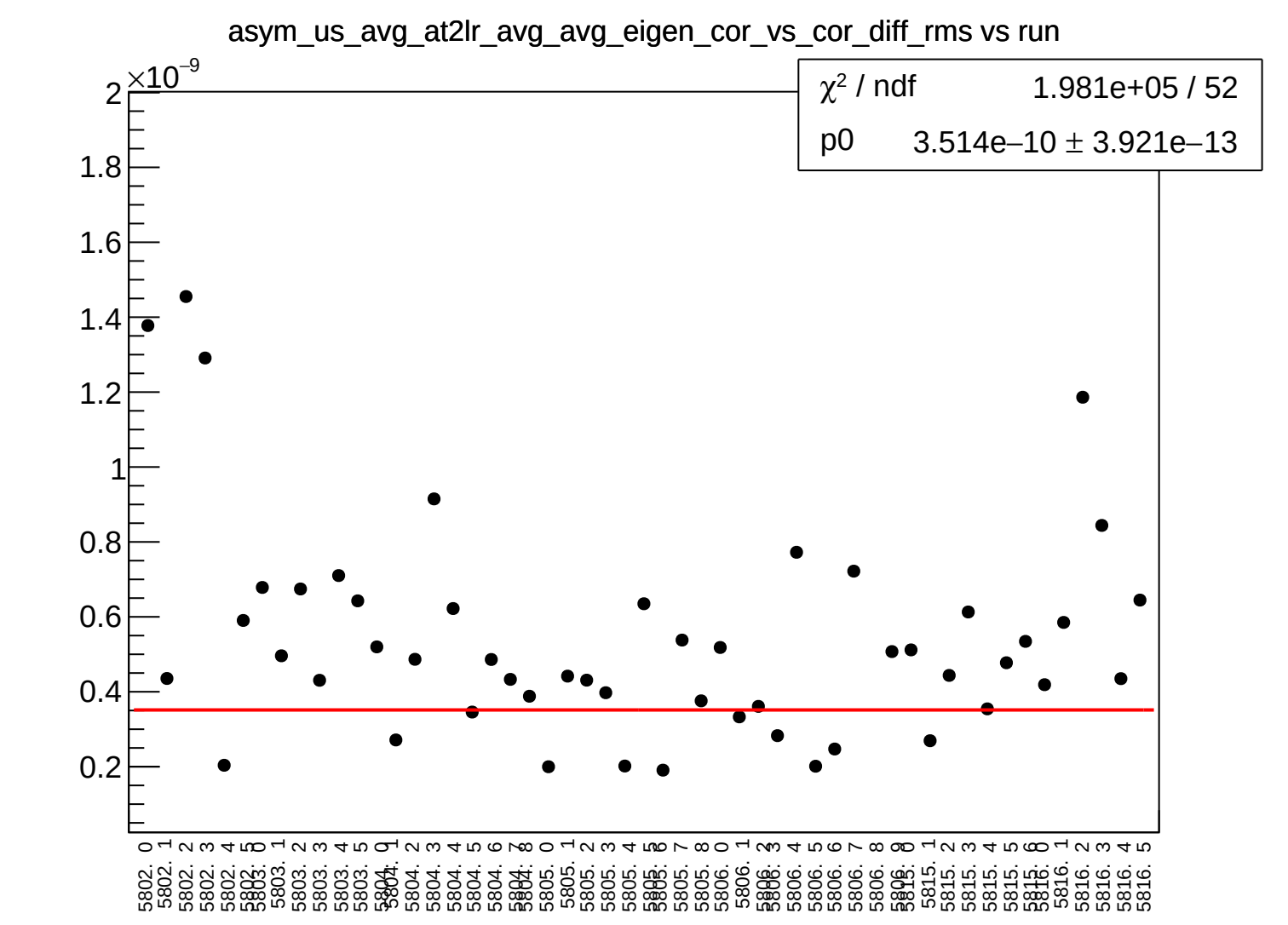

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.51 / 52
p0 0.21 ± 0.4765
pull
Entries 53
Mean 188.7
Std Dev 0

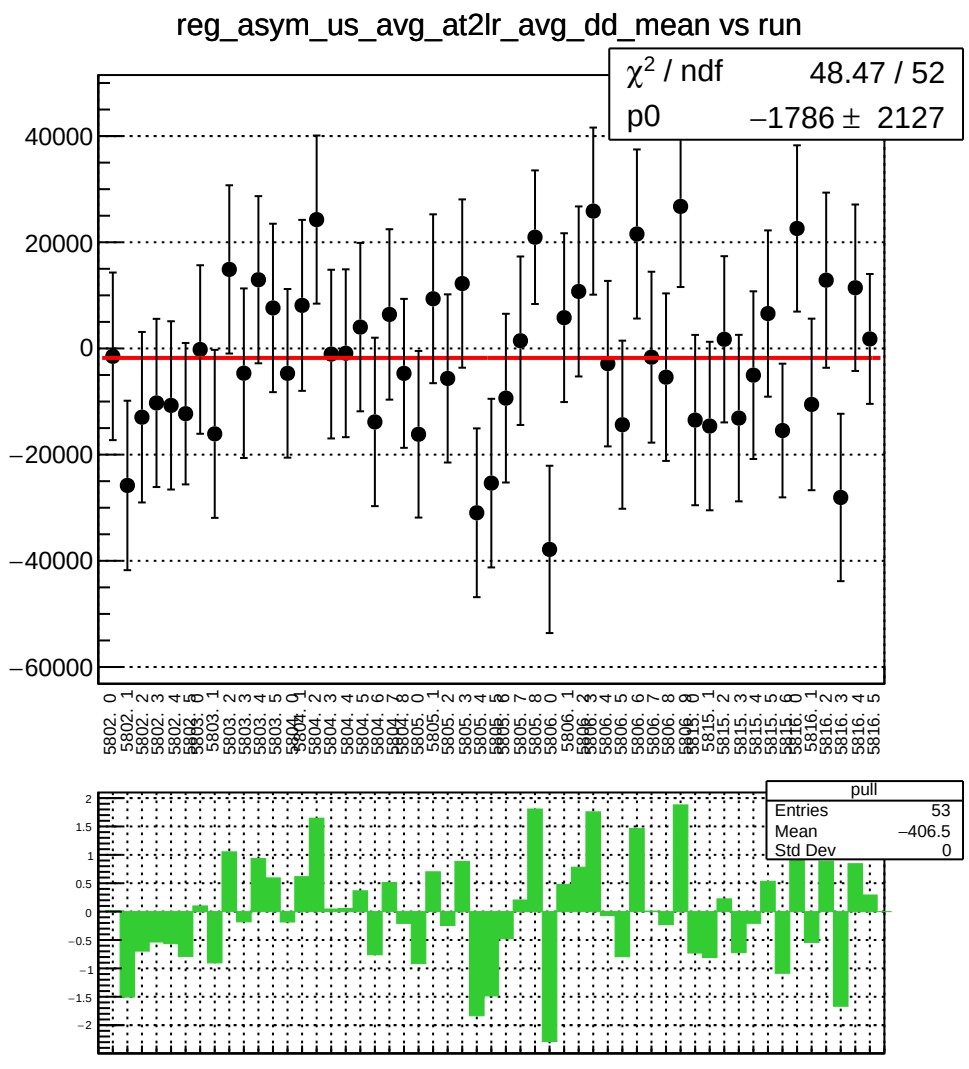

pull1D
Entries 53
Mean −0.006122
Std Dev 0.9468

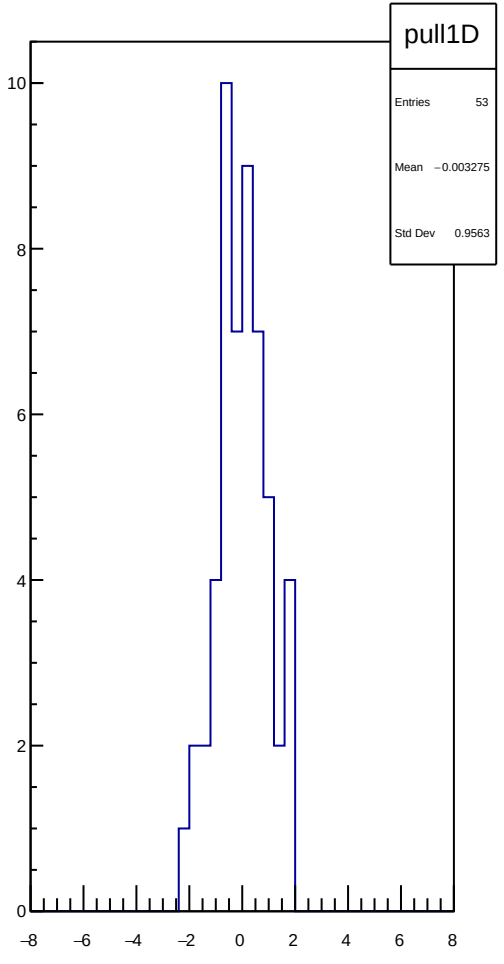

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.51e+04 / 52
p0 331.2 ± 0.3369
600
550
500
450
400
350
300
250

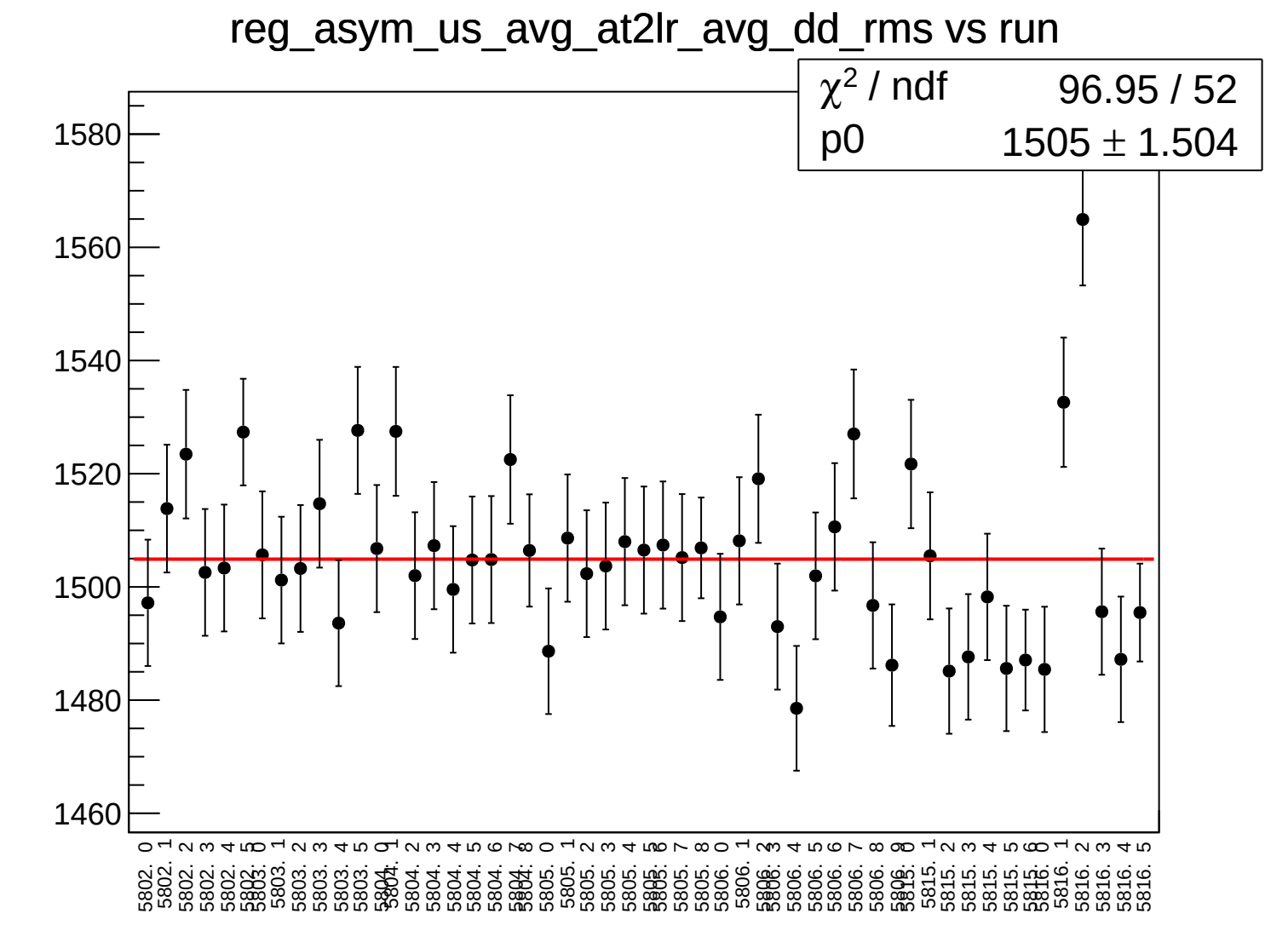

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.23 / 52
p0 1.805e−13 ± 5.545e−13
pull
Entries 53
Mean −2.817
Std Dev 0

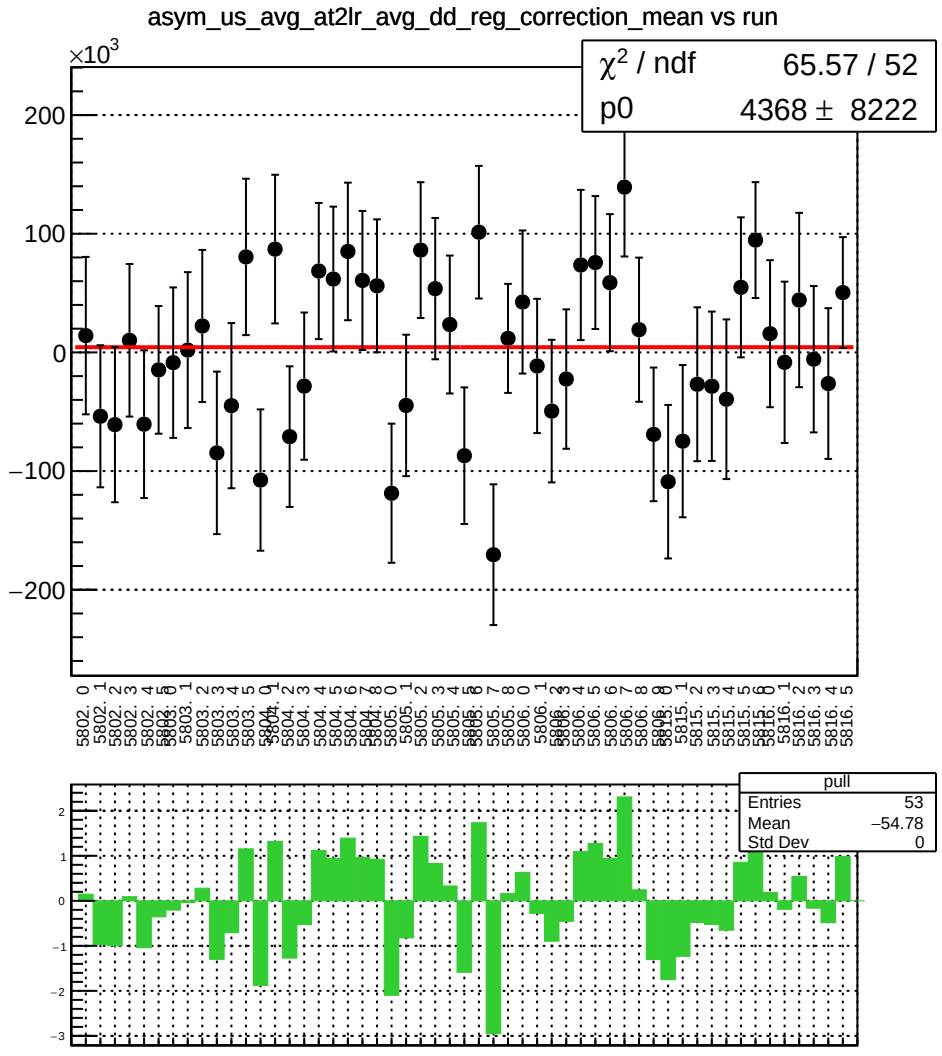

pull1D
Entries 53
Mean 0.07158
Std Dev 0.9901

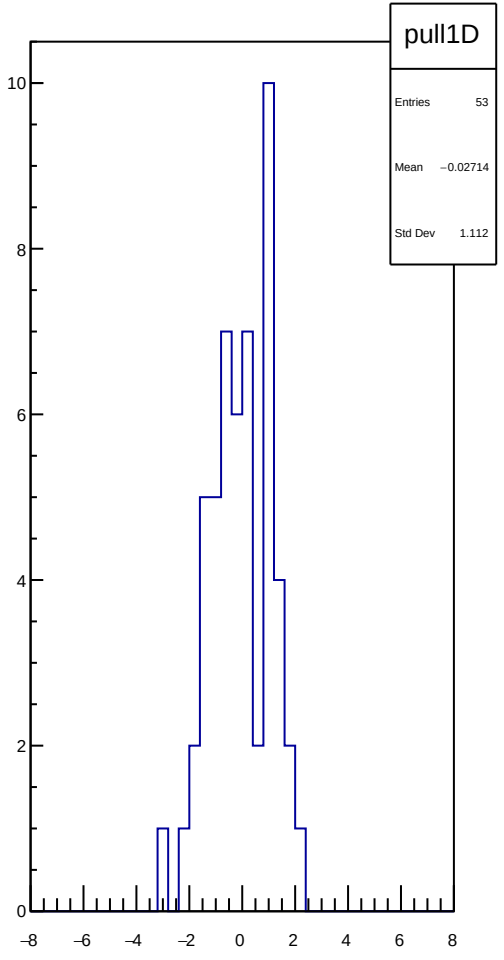

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.981e+05 / 52
p0 3.514e−10 ± 3.921e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

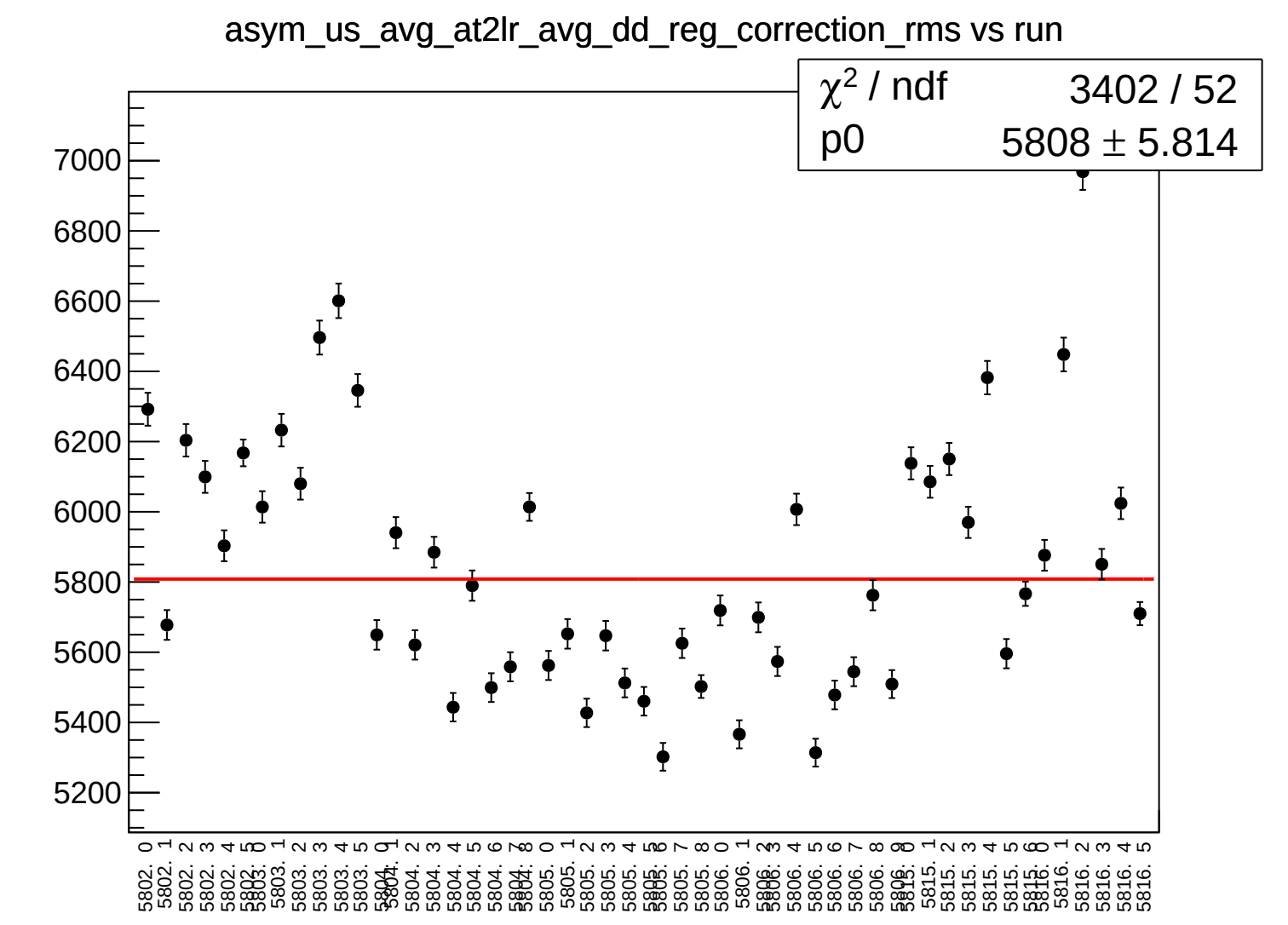

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 48.47 / 52
p0 −1786 ± 2127
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −406.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

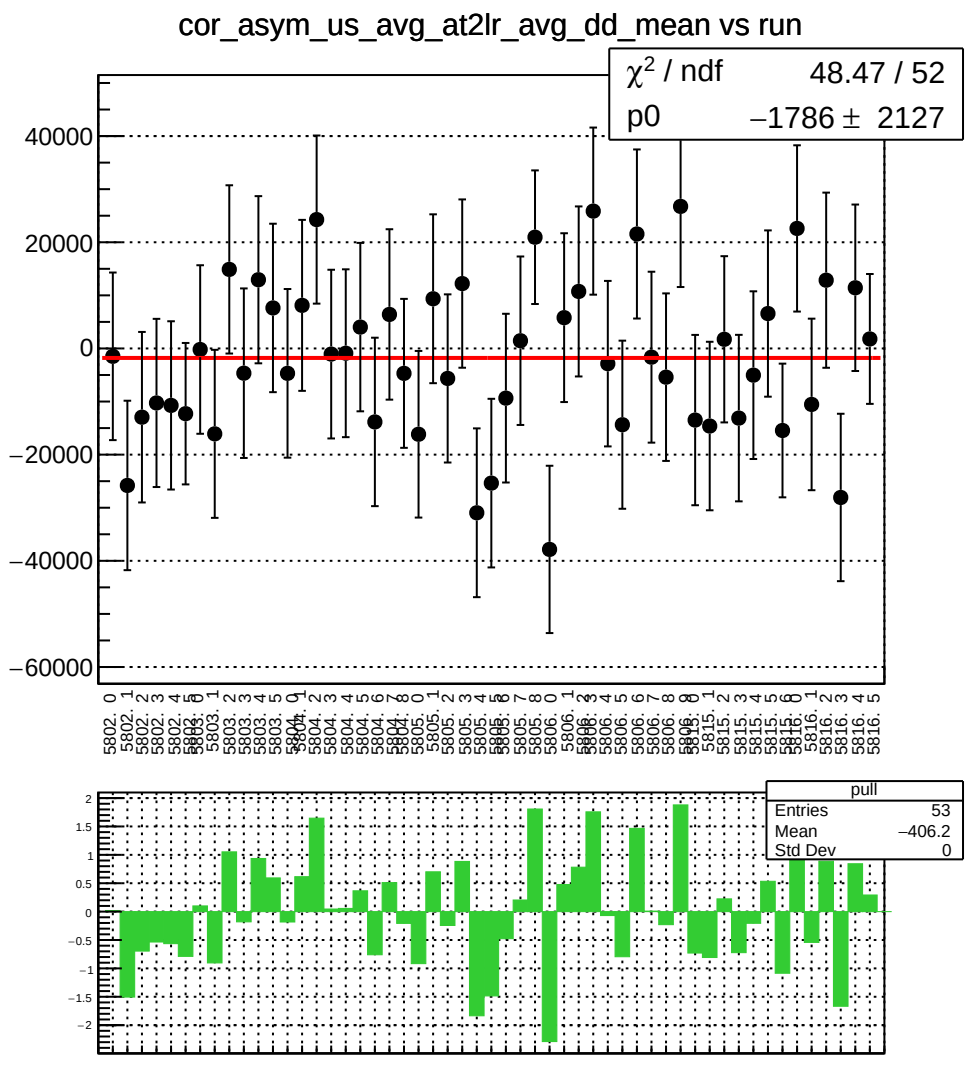

pull1D
Entries 53
Mean −0.003275
Std Dev 0.9563
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

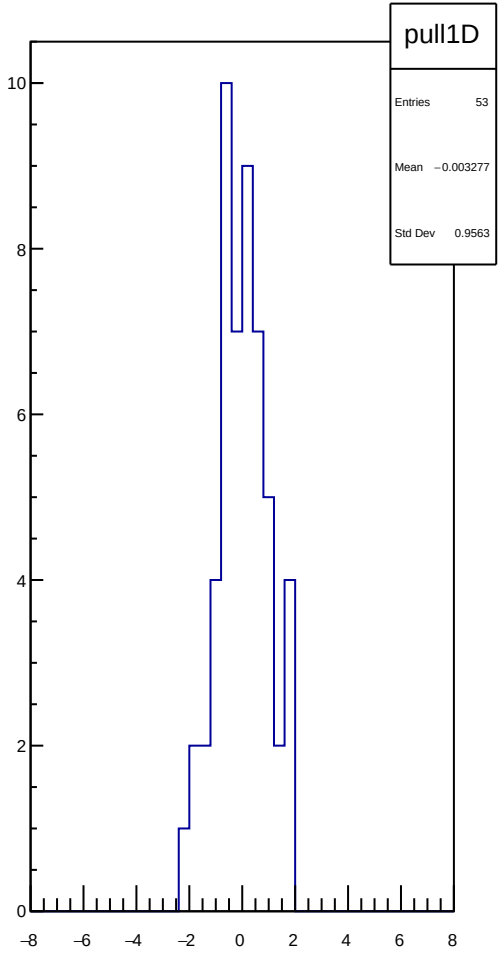

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 96.95 / 52
p0 1505 ± 1.504
1580
1560
1540
1520
1500
1480
1460

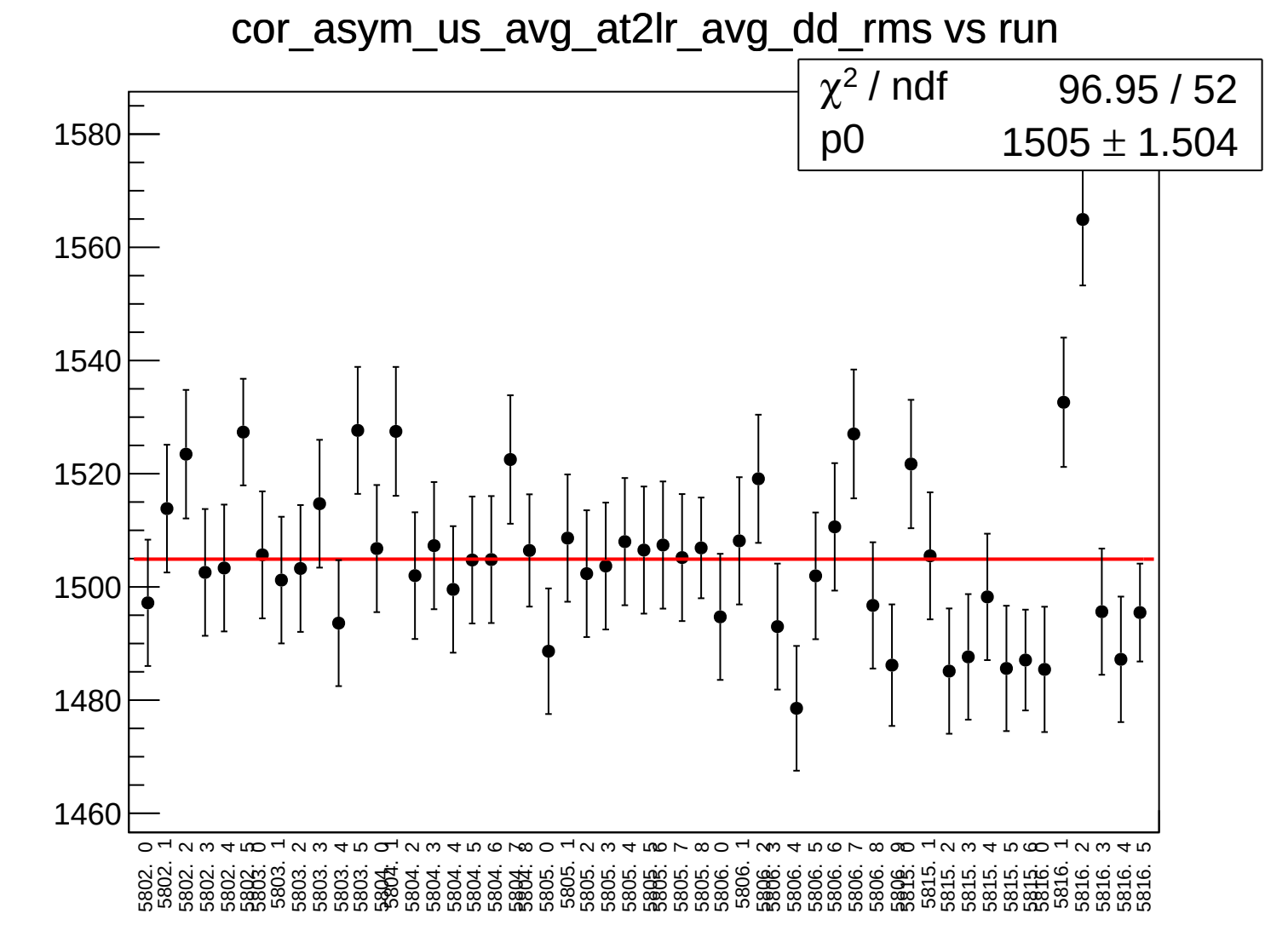

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.57 / 52
p0 4368 ± 8222
200
100
0
−100
−200
pull
Entries 53
Mean −54.78
Std Dev 0
2
1
0
−1
−2
−3

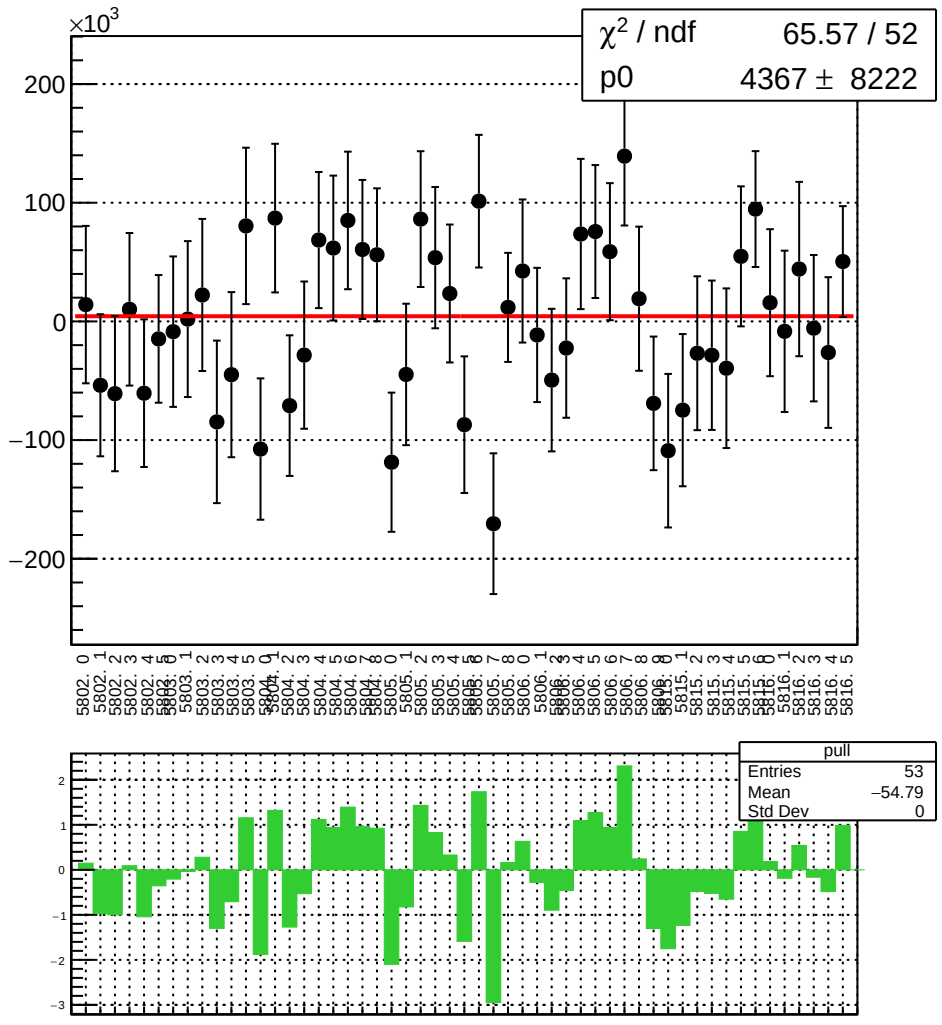

pull1D
Entries 53
Mean −0.02714
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

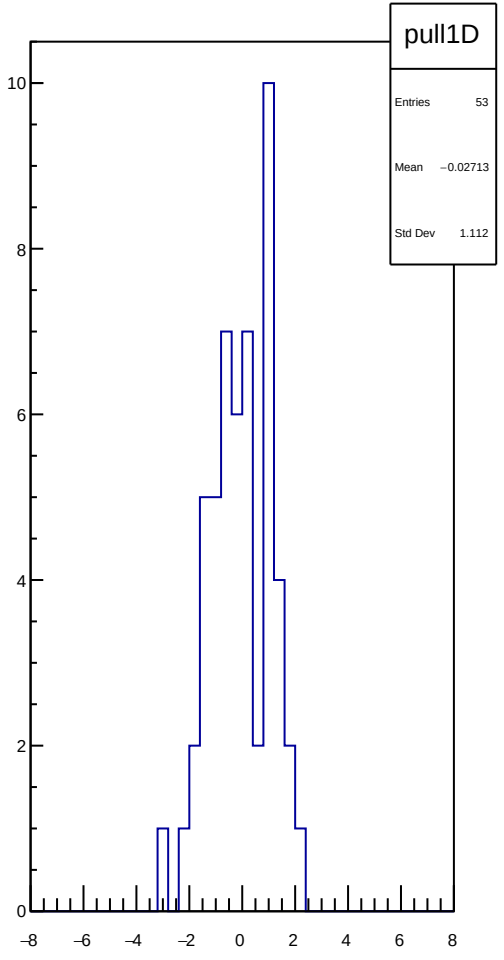

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3402 / 52
p0 5808 ± 5.814
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

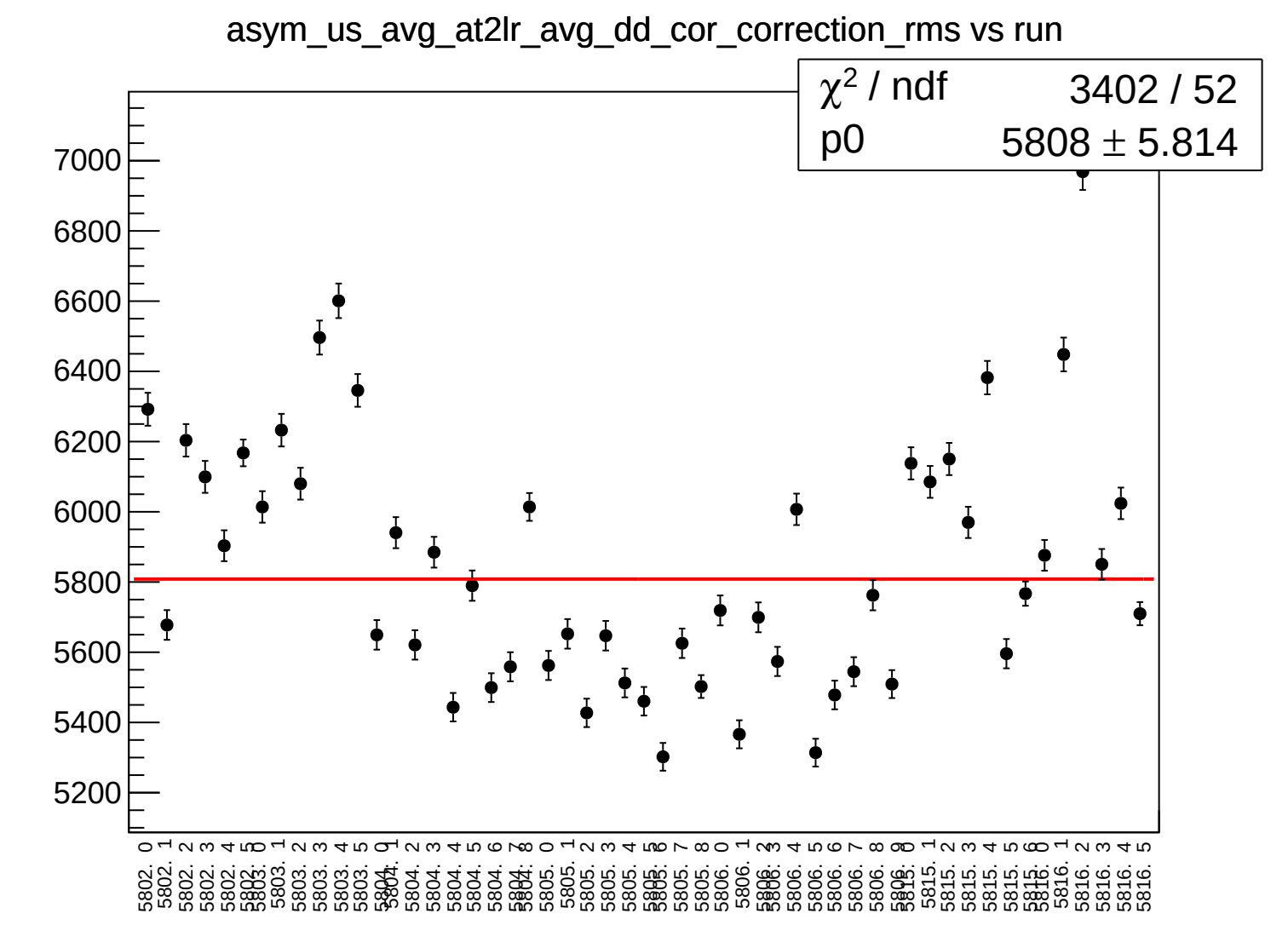

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 48.47 / 52
p0 −1786 ± 2127
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −406.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

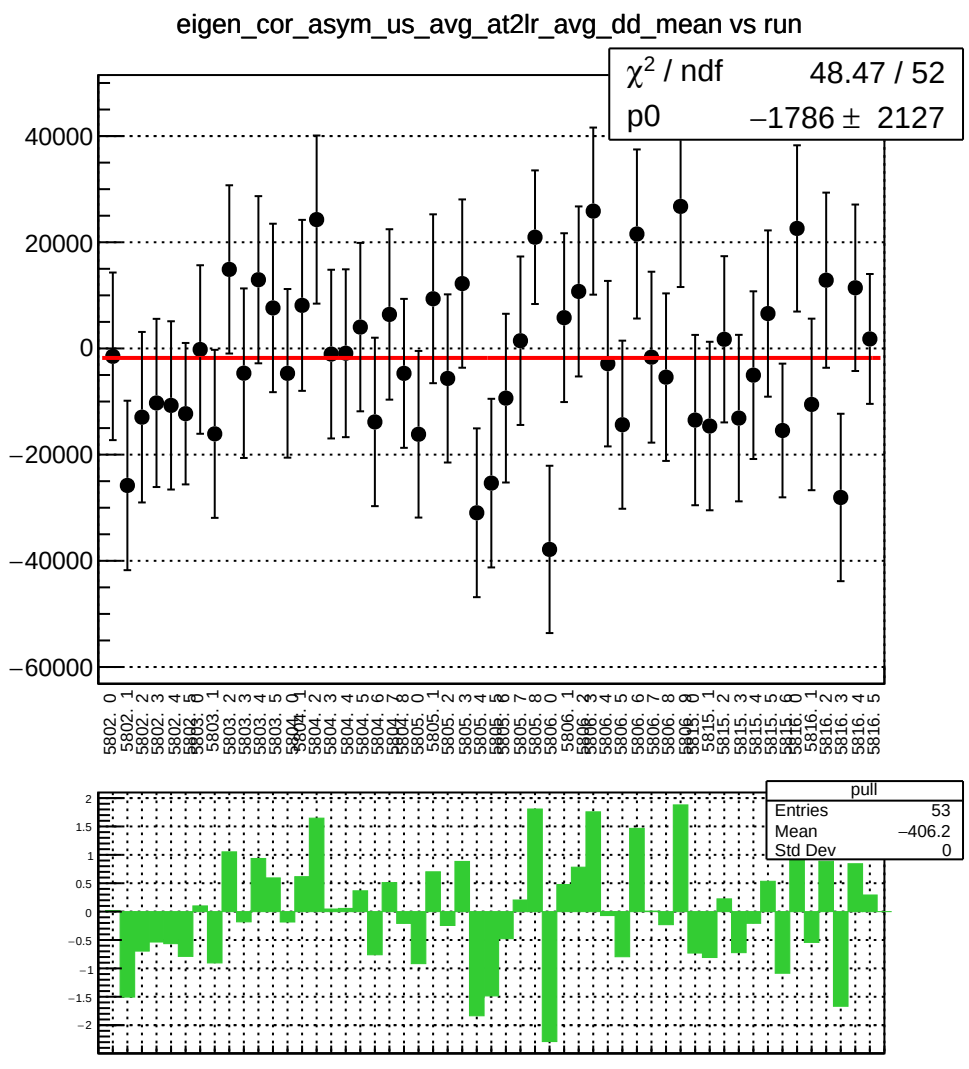

pull1D
Entries 53
Mean −0.003277
Std Dev 0.9563
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

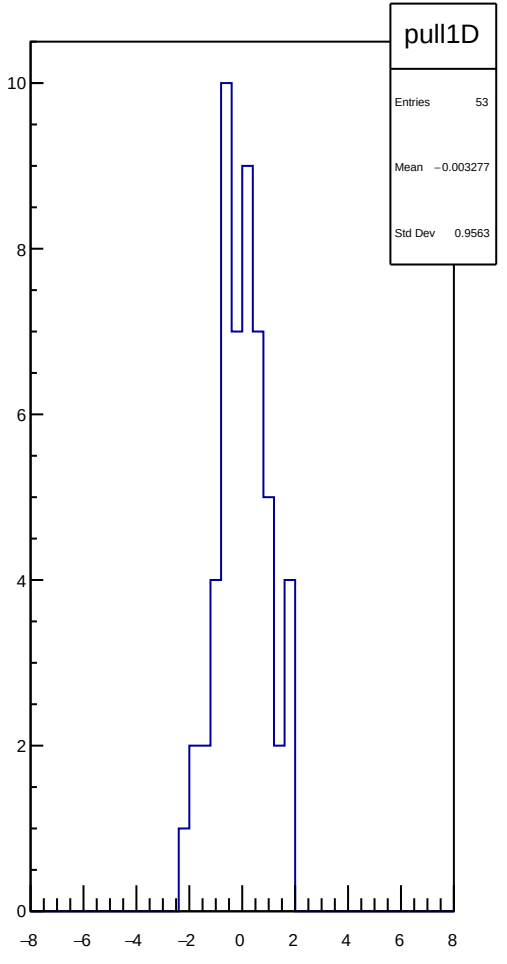

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 96.95 / 52
p0 1505 ± 1.504
1580
1560
1540
1520
1500
1480
1460

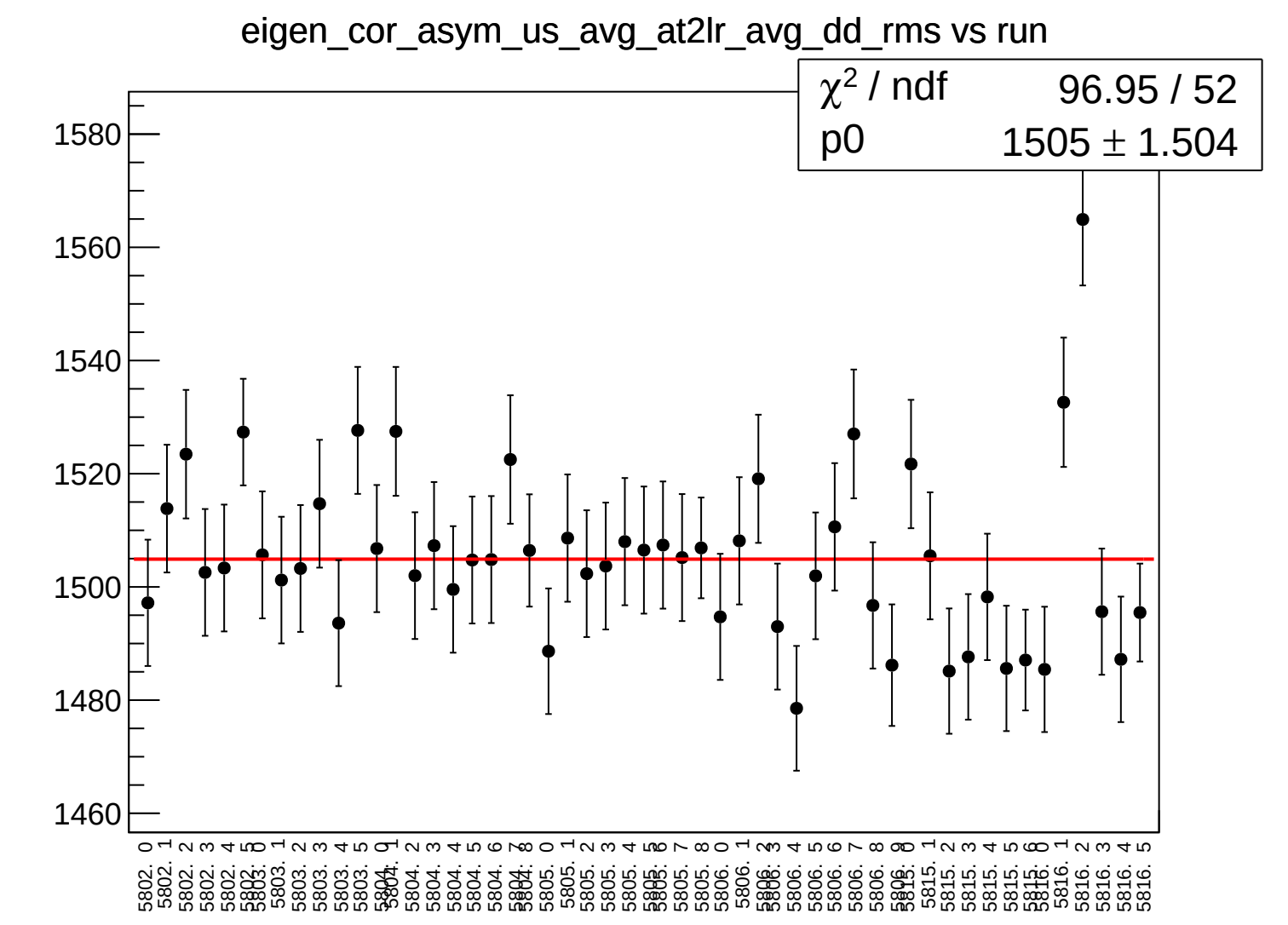

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.57 / 52
p0 4367 ± 8222
200
100
0
−100
−200
pull
Entries 53
Mean −54.79
Std Dev 0
2
1
0
−1
−2
−3

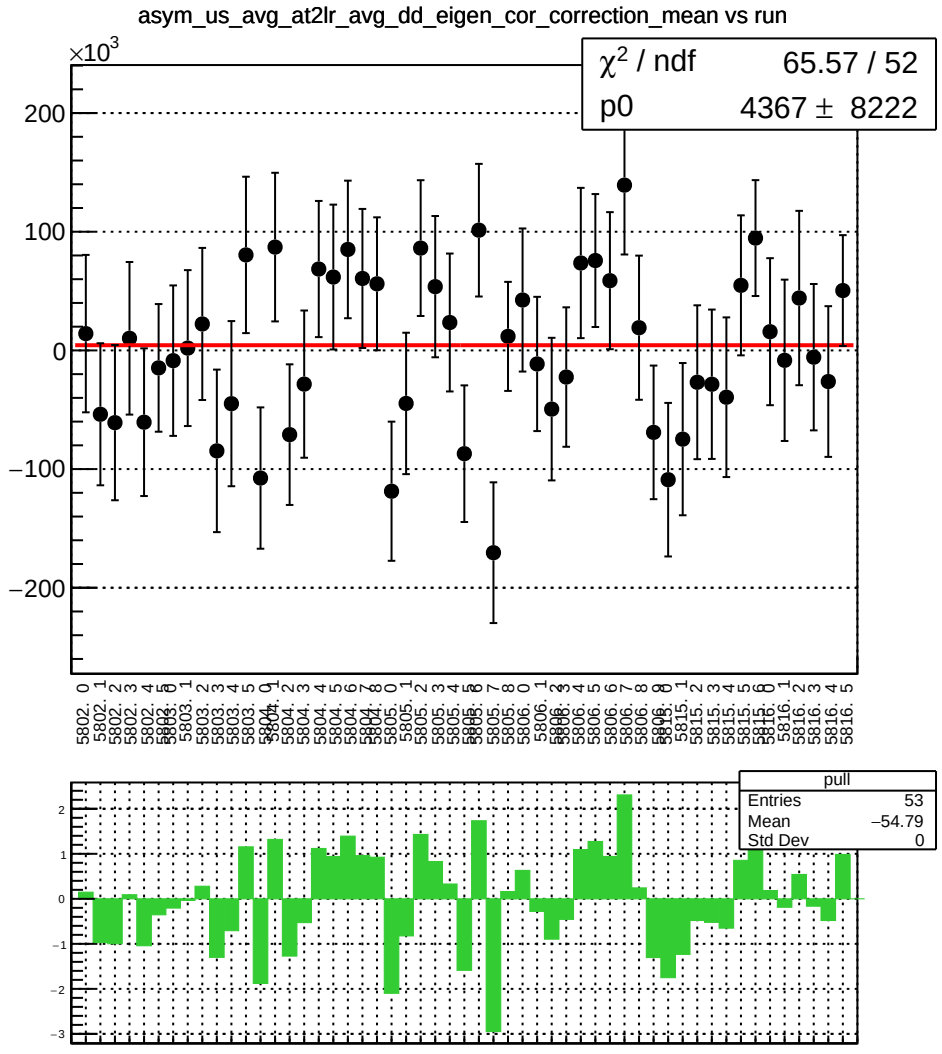

pull1D
Entries 53
Mean −0.02713
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

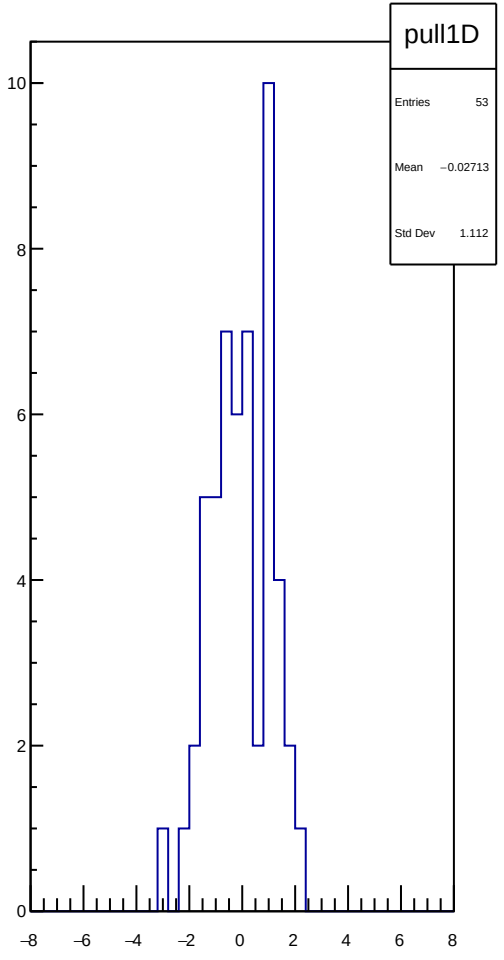

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3402 / 52
p0 5808 ± 5.814
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

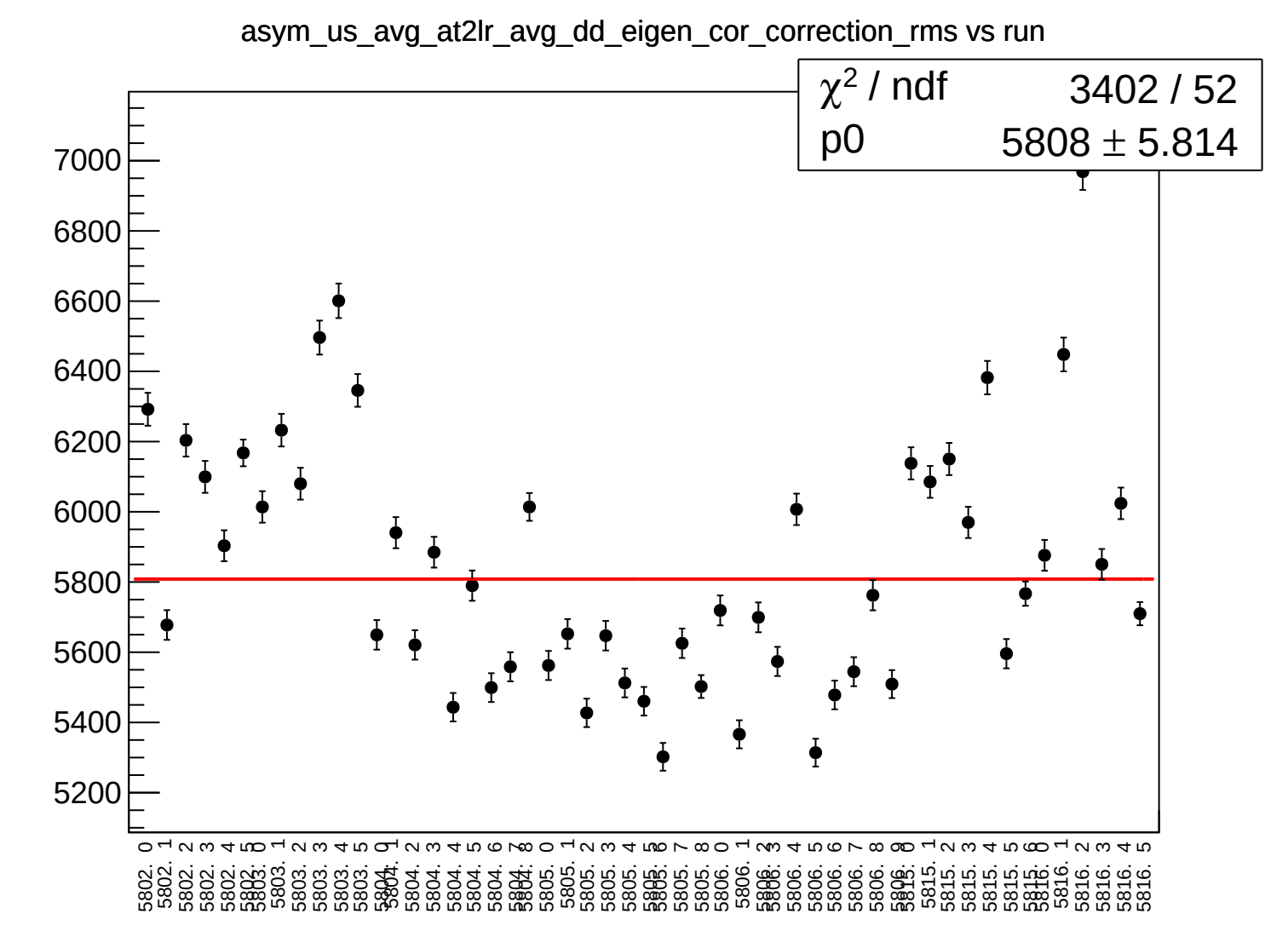

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 48.47 / 52
p0 −1786 ± 2127
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −406.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

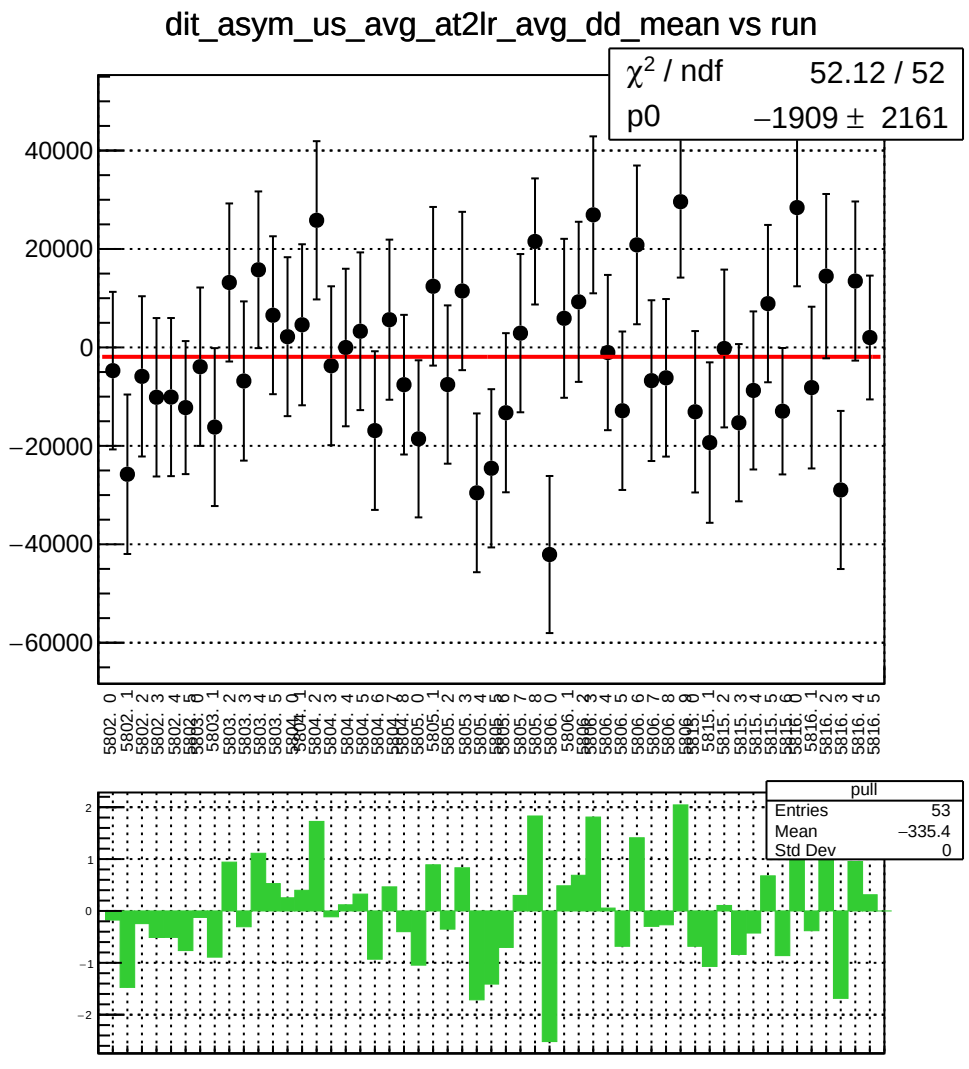

pull1D
Entries 53
Mean −0.003277
Std Dev 0.9563
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

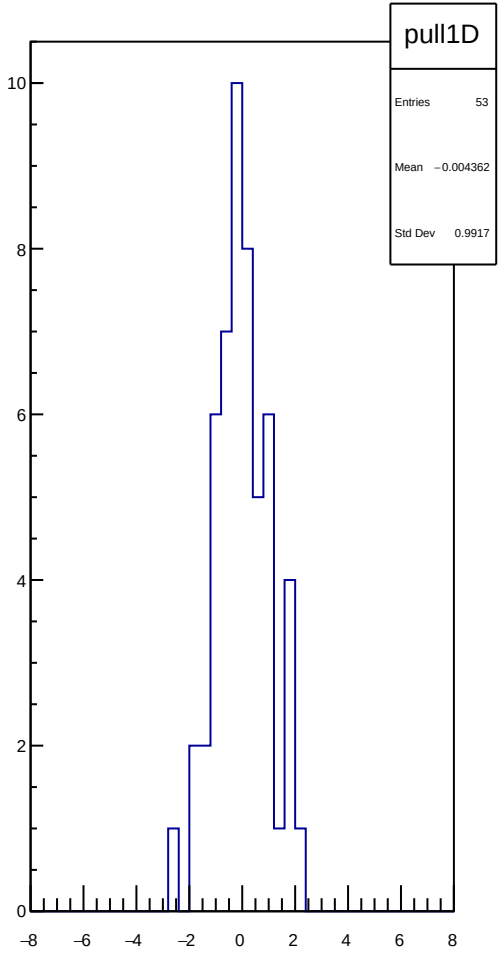

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 96.95 / 52
p0 1505 ± 1.504
1580
1560
1540
1520
1500
1480
1460

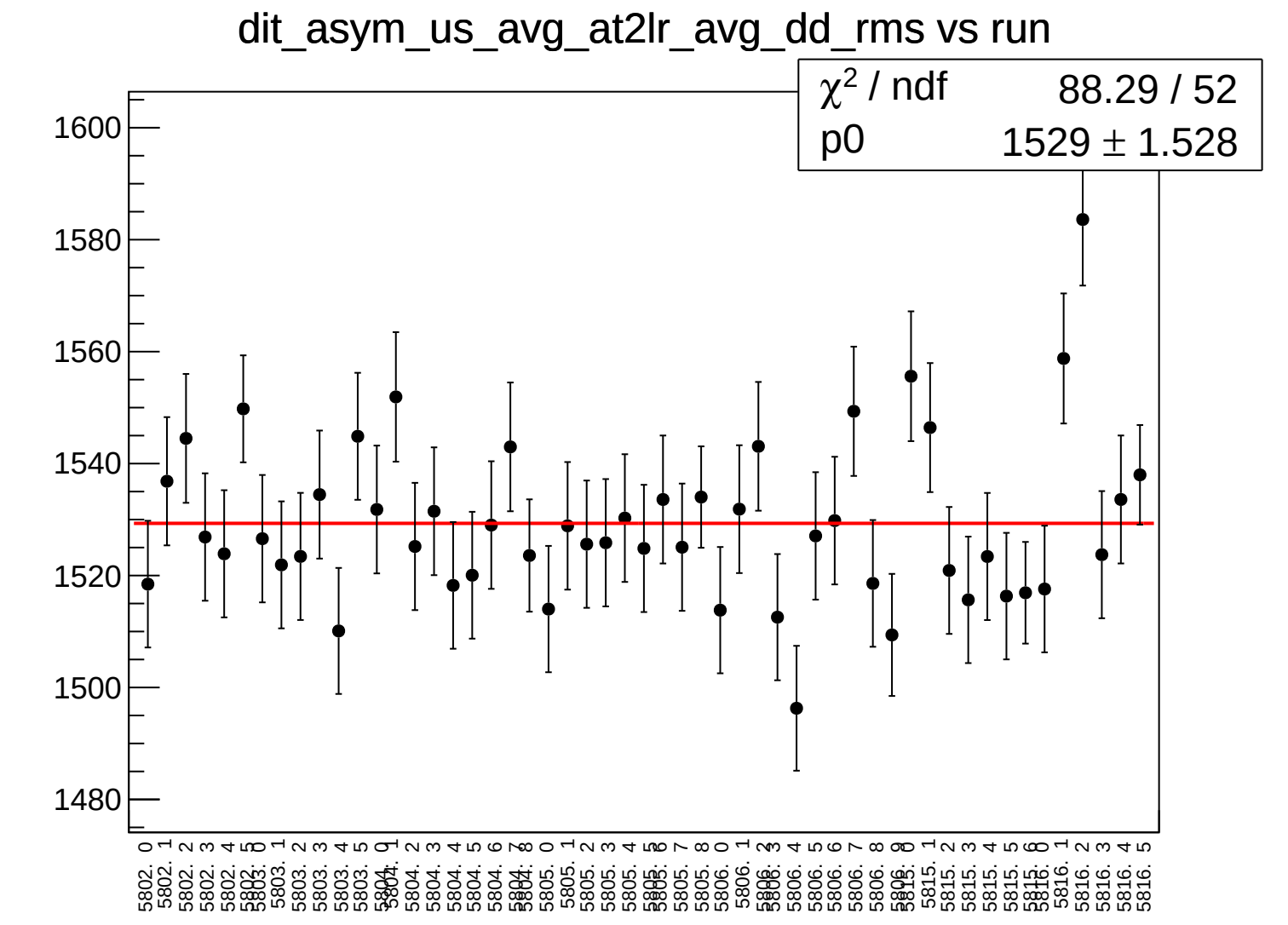

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 65.57 / 52
p0 4367 ± 8222
200
100
0
−100
−200
pull
Entries 53
Mean −54.79
Std Dev 0
2
1
0
−1
−2
−3

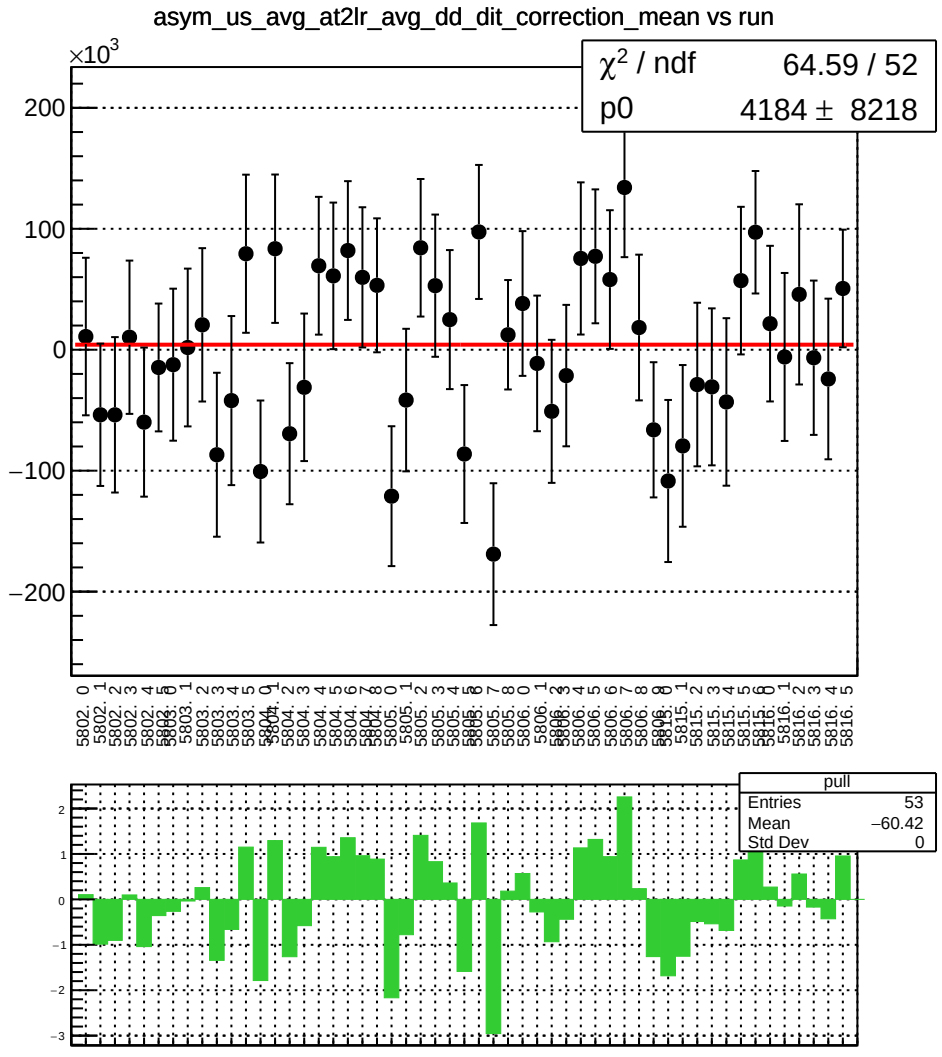

pull1D
Entries 53
Mean −0.02713
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

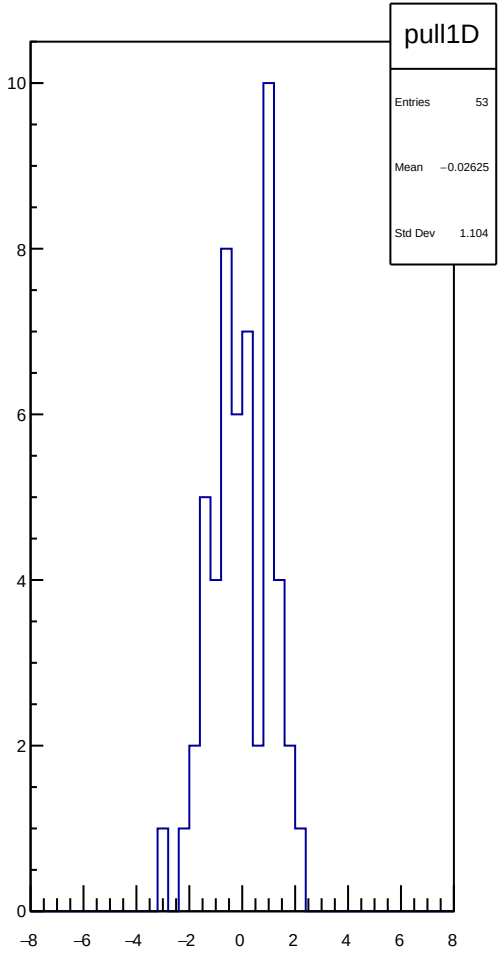

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3402 / 52
p0 5808 ± 5.814
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

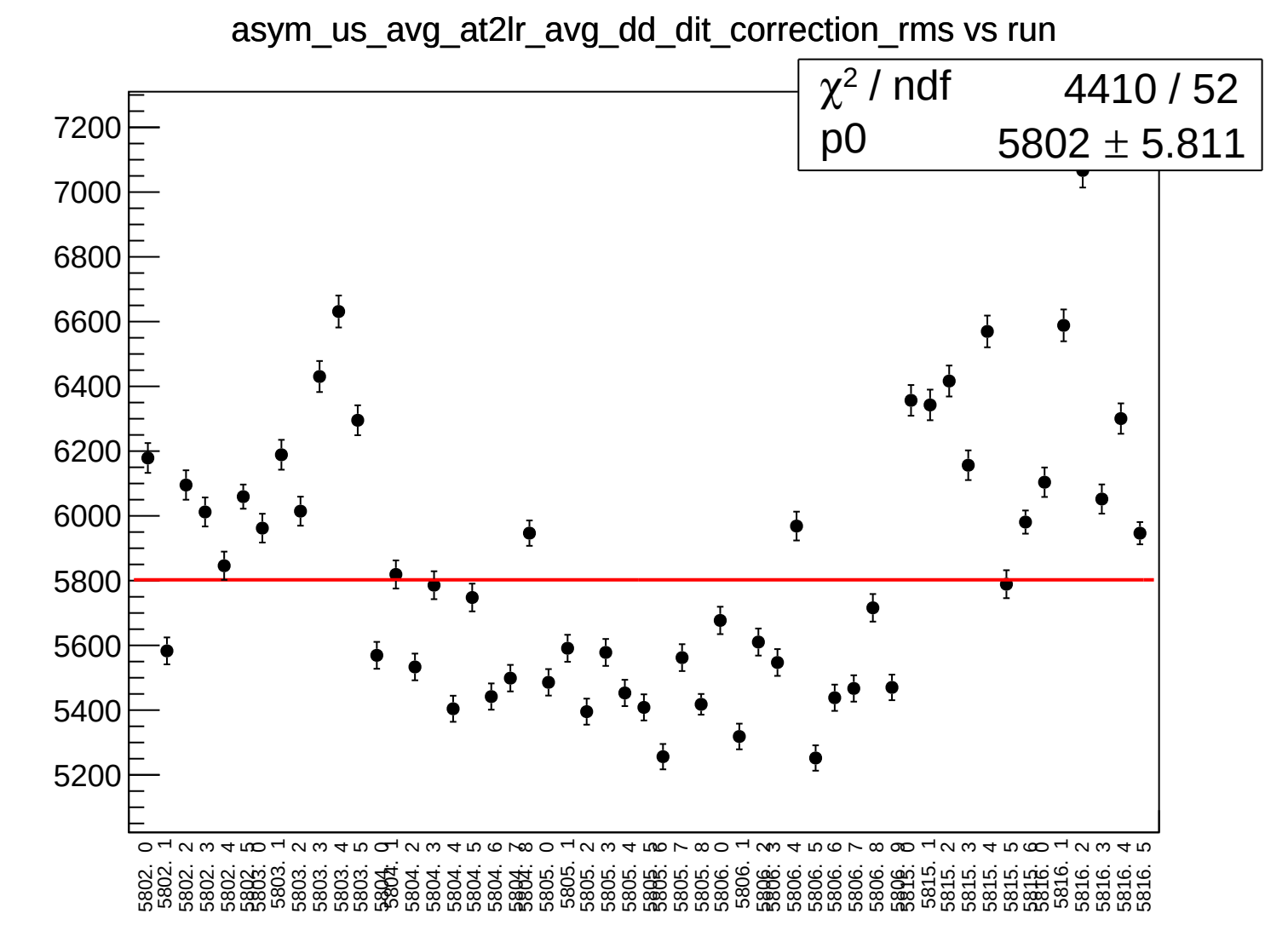

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 52.12 / 52
p0 −1909 ± 2161
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −335.4
Std Dev 0
2
1
0
−1

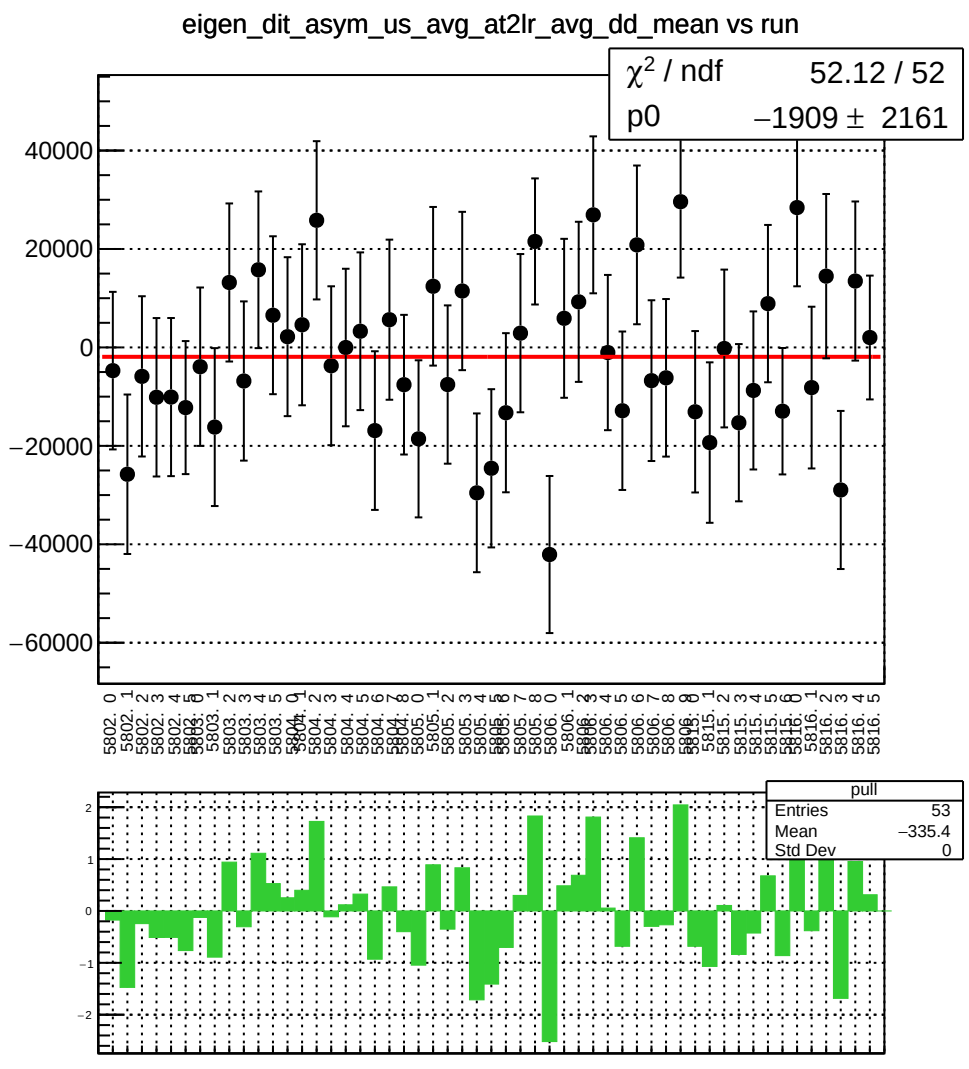

pull1D
Entries 53
Mean −0.004362
Std Dev 0.9917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

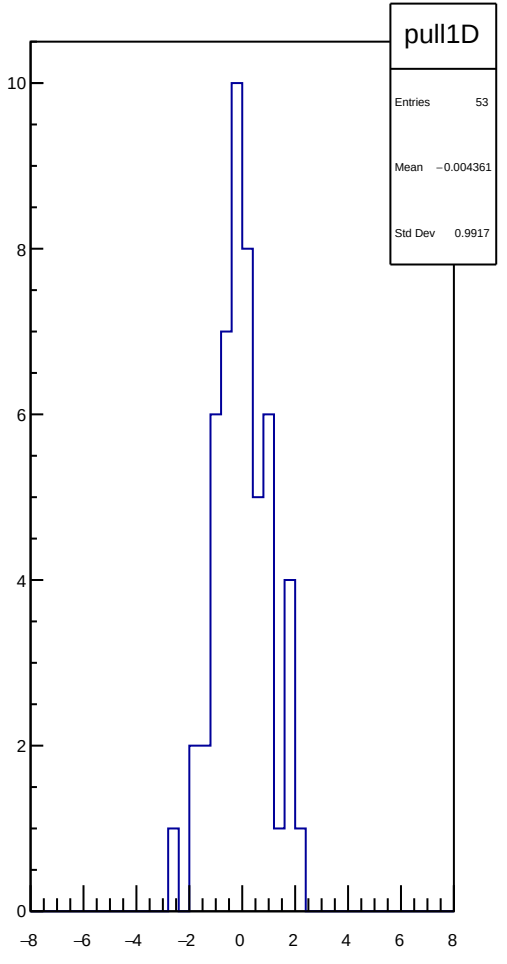

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 88.29 / 52
p0 1529 ± 1.528
1600
1580
1560
1540
1520
1500
1480

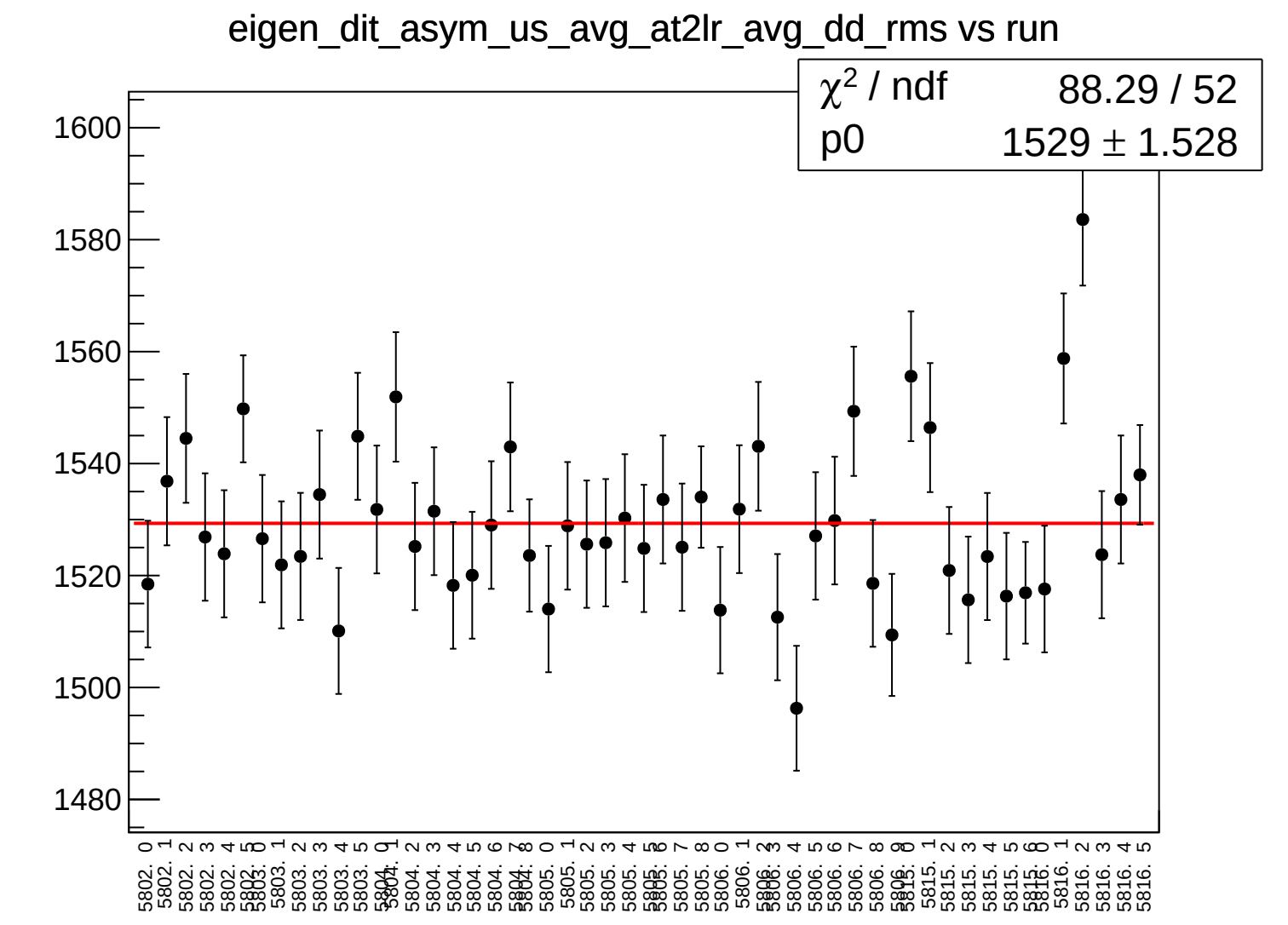

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 64.59 / 52
p0 4184 ± 8218
200
100
0
−100
−200
pull
Entries 53
Mean −60.42
Std Dev 0
2
1
0
−1
−2
−3

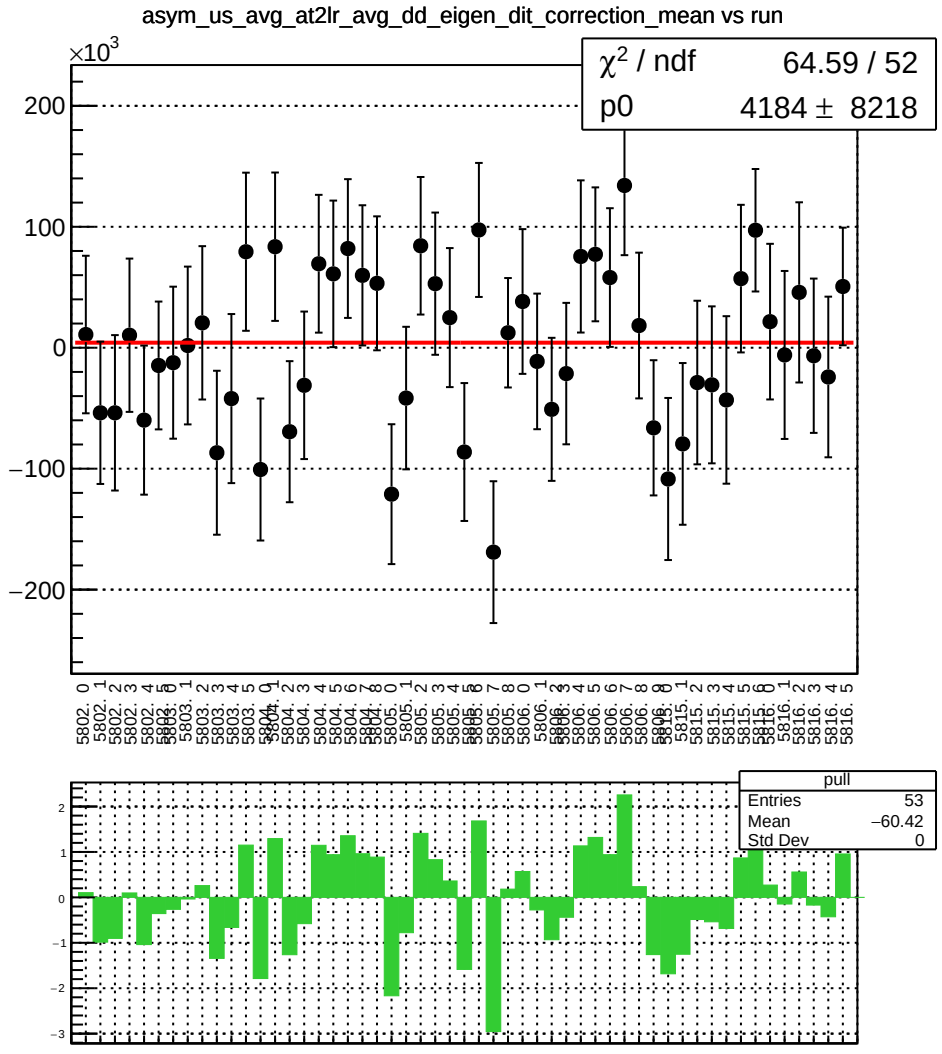

pull1D
Entries 53
Mean −0.02625
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

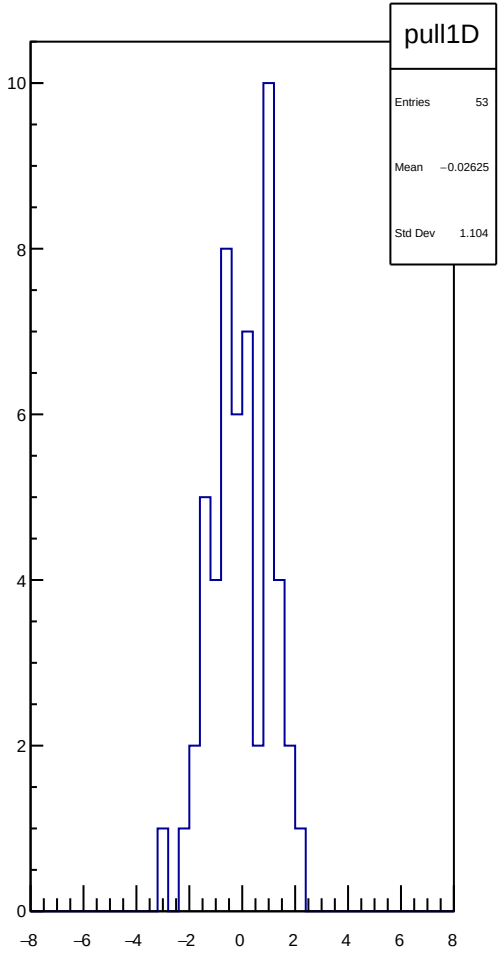

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 4410 / 52
p0 5802 ± 5.811
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

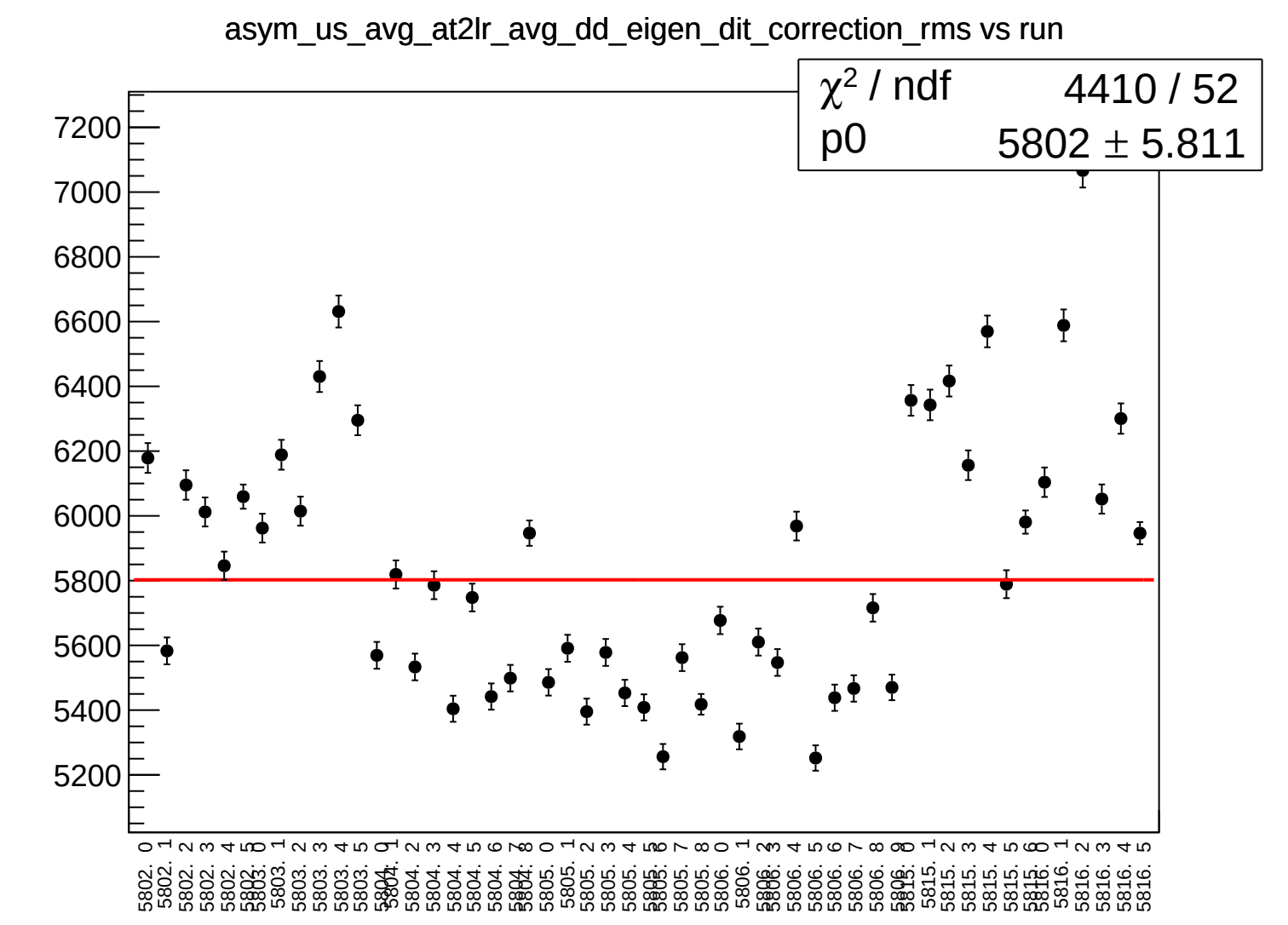

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 52.12 / 52
p0 −1909 ± 2161
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −335.4
Std Dev 0
2
1
0
−1
−2

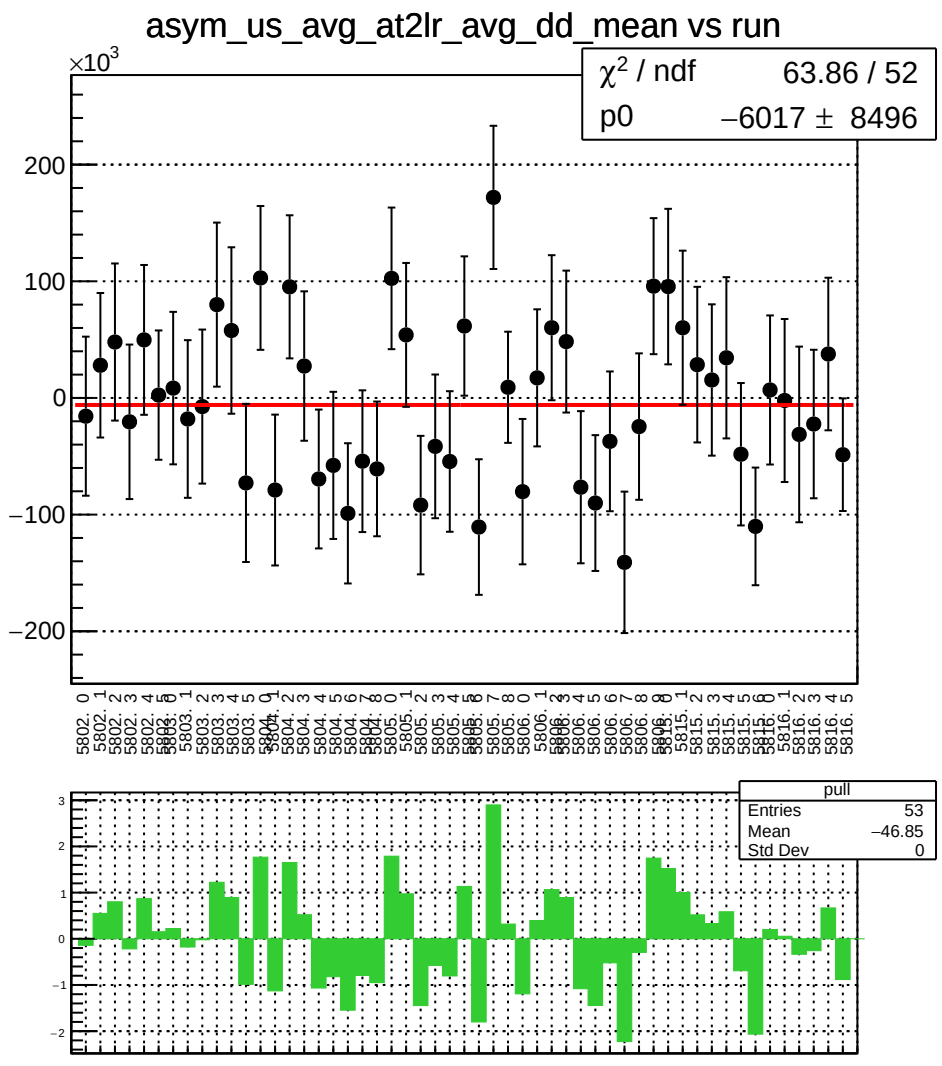

pull1D
Entries 53
Mean −0.004361
Std Dev 0.9917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

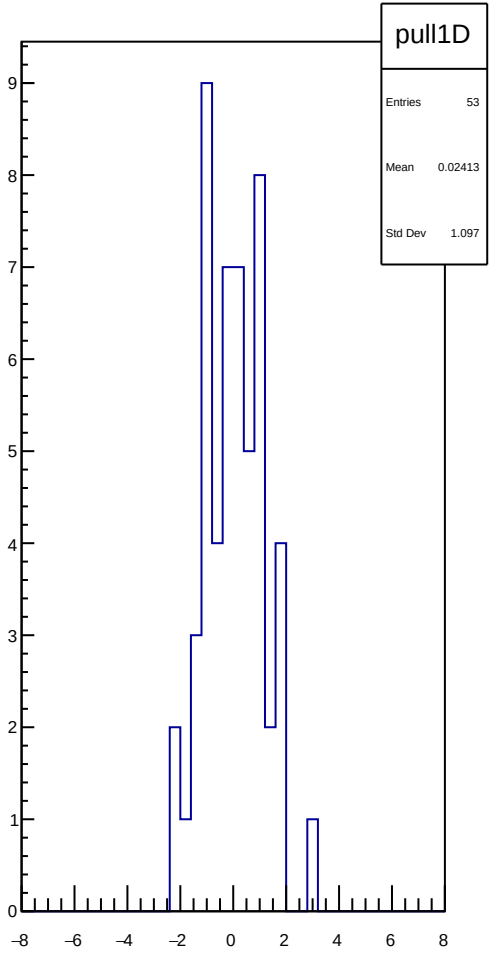

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 88.29 / 52
p0 1529 ± 1.528
1600
1580
1560
1540
1520
1500
1480

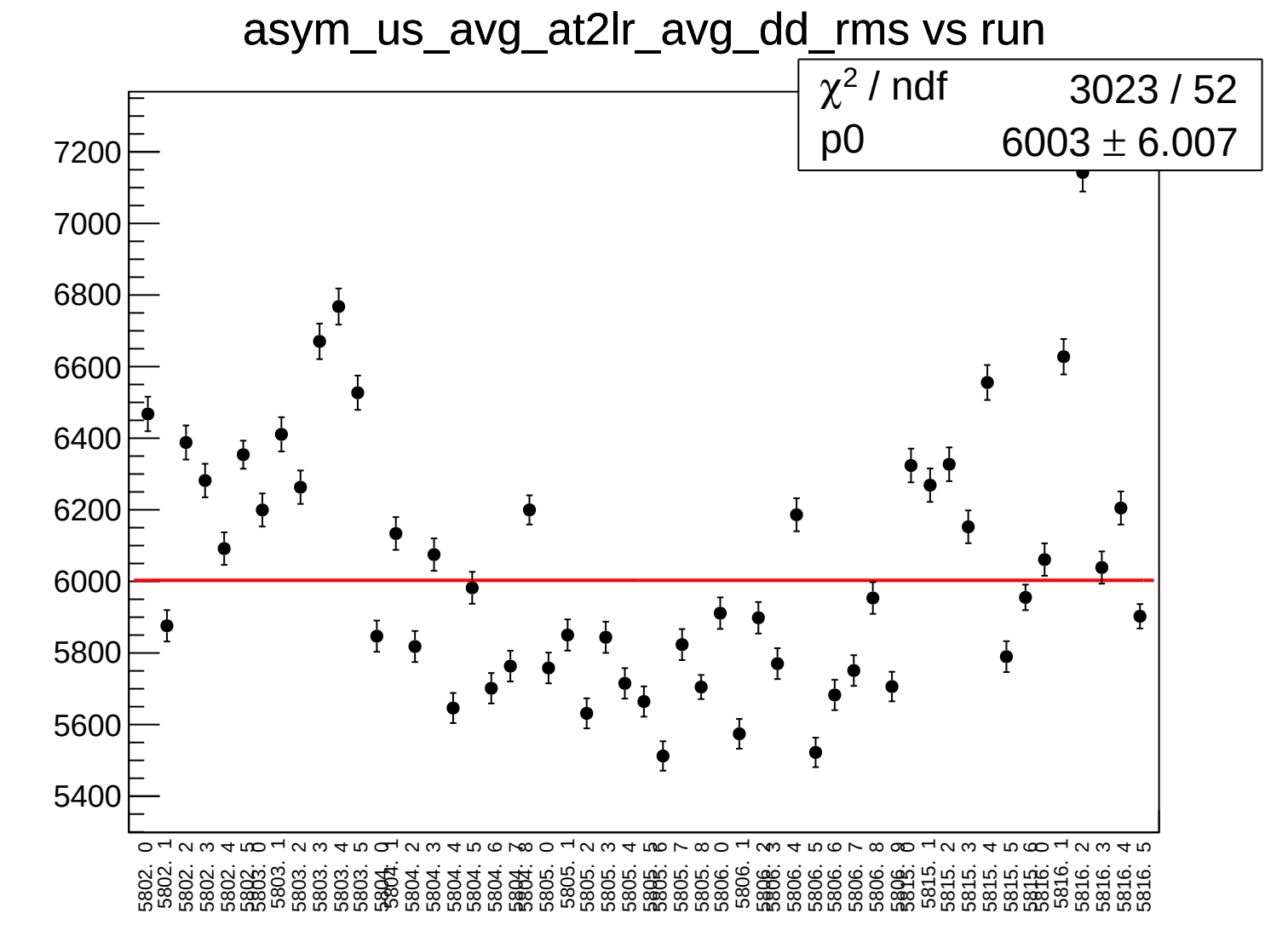

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.59 / 52
p0 4184 ± 8218
pull
Entries 53
Mean −60.42
Std Dev 0

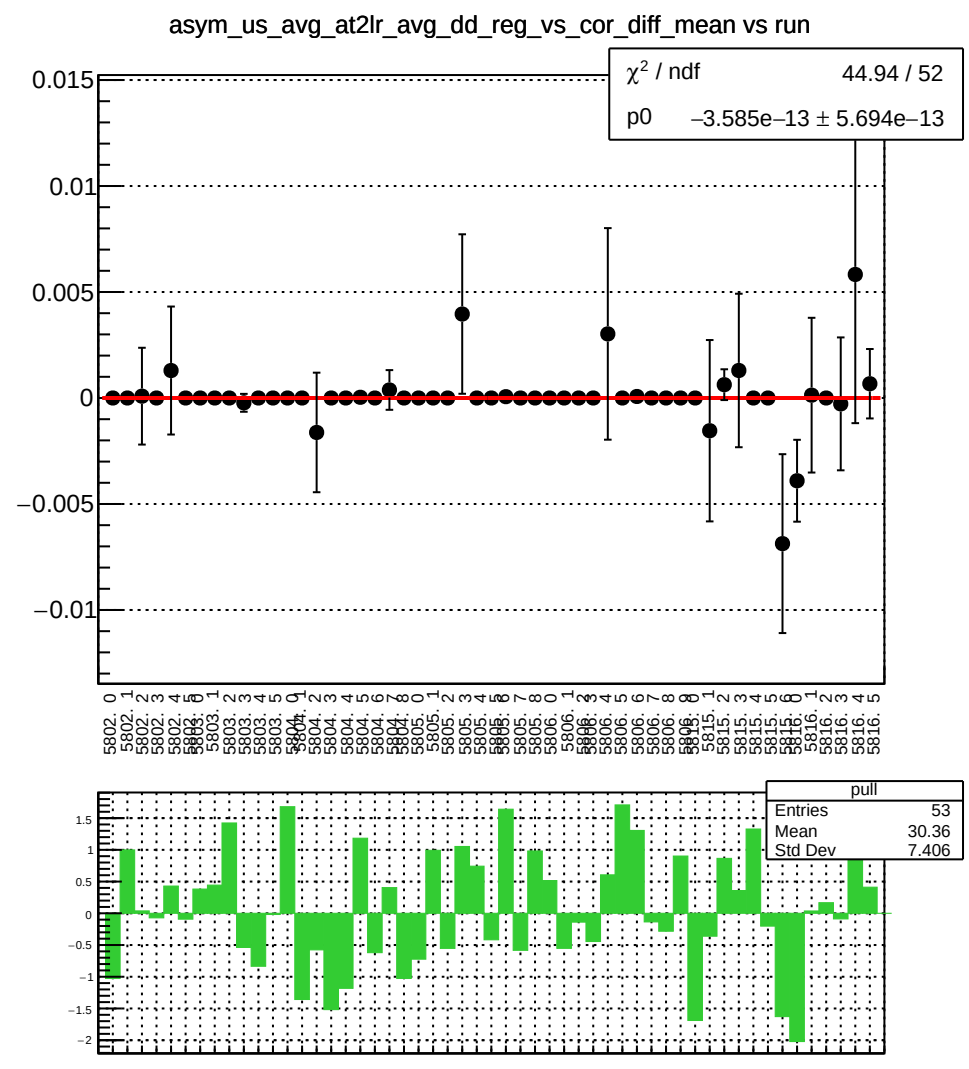

pull1D
Entries 53
Mean −0.02625
Std Dev 1.104

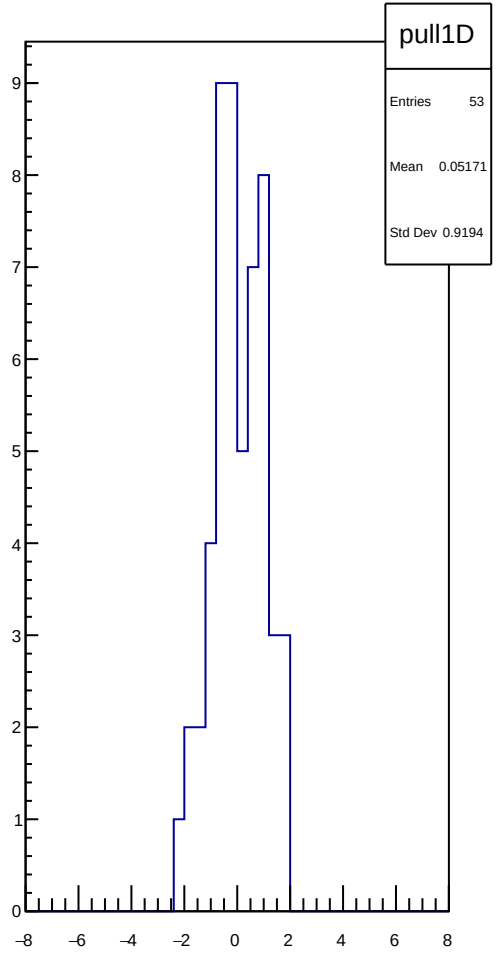

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4410 / 52
p0 5802 ± 5.811
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

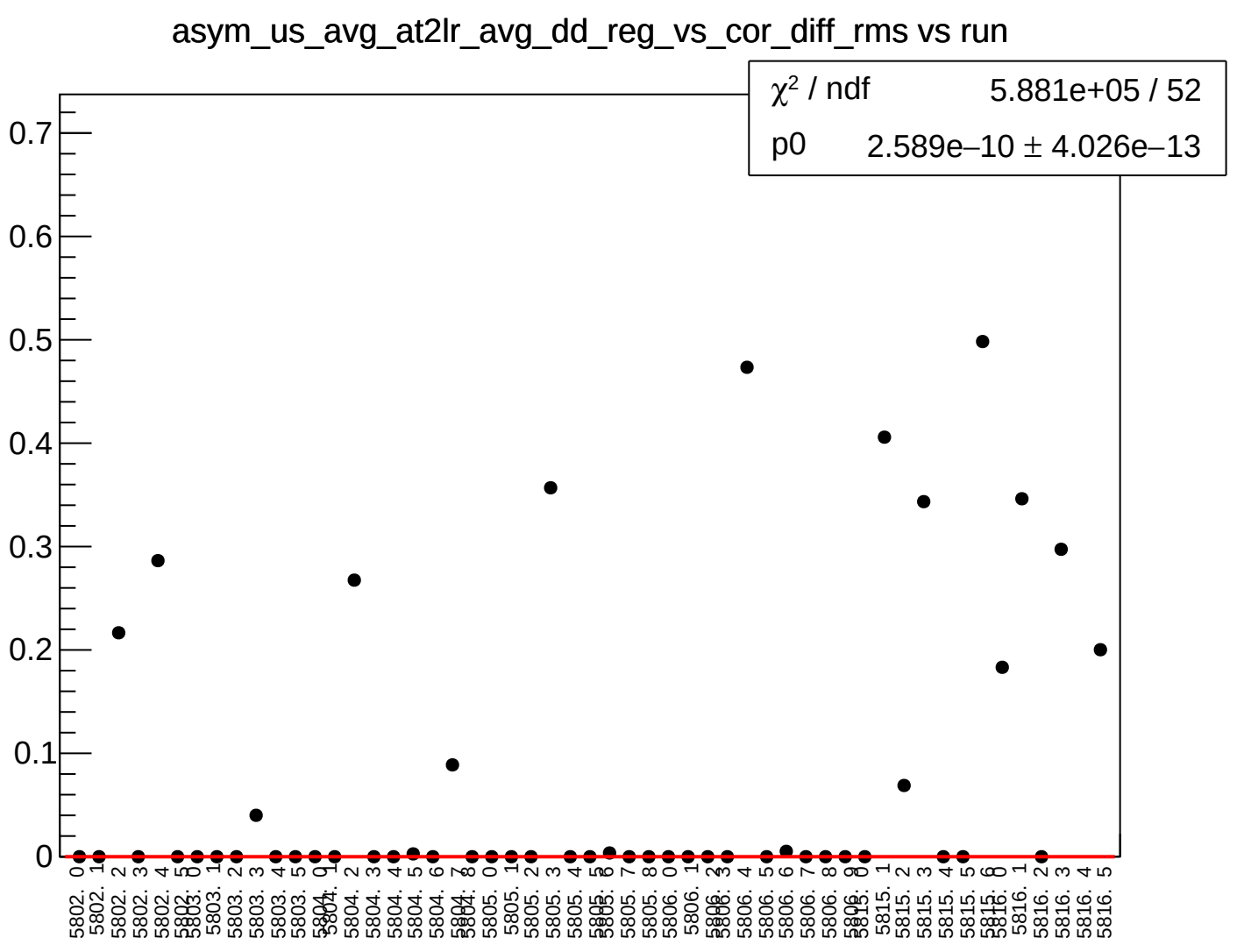

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 63.86 / 52
p0 −6017 ± 8496
200
100
0
−100
−200
pull
Entries 53
Mean −46.85
Std Dev 0
3
2
1
0
−1
−2

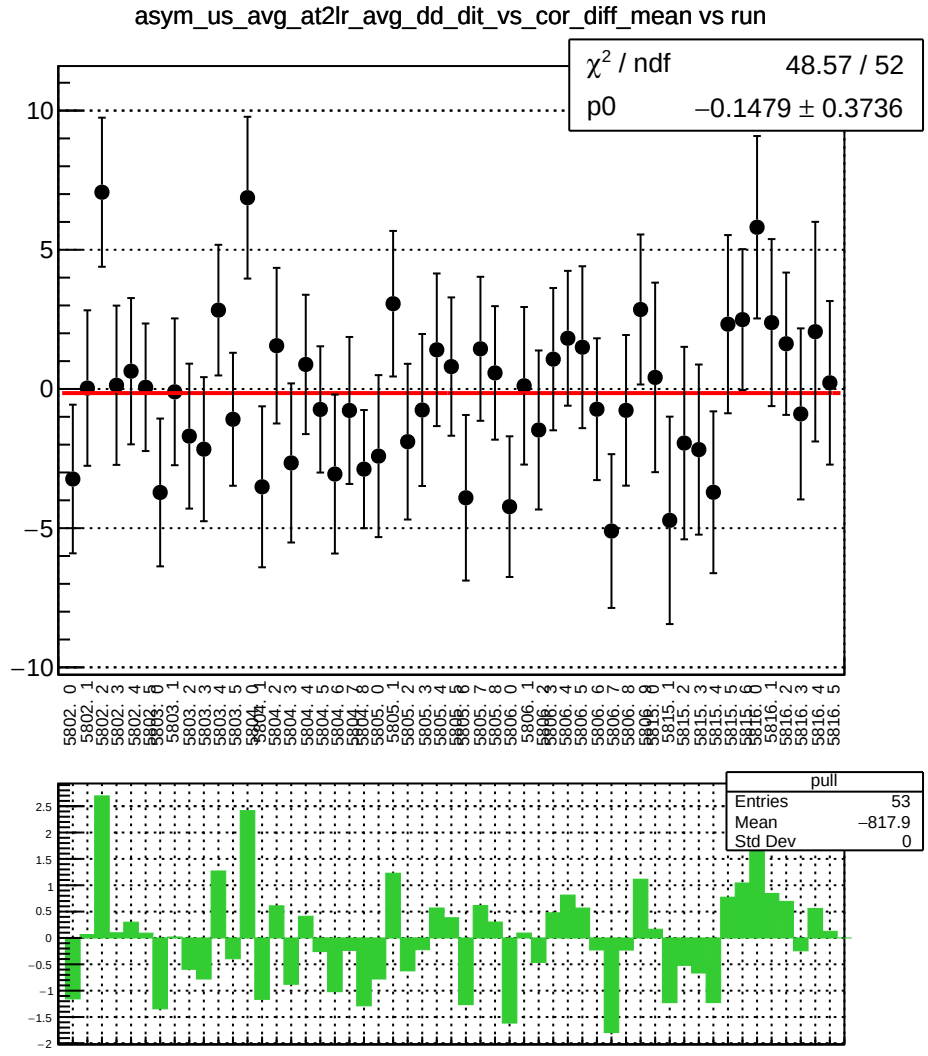

pull1D
Entries 53
Mean 0.02413
Std Dev 1.097
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

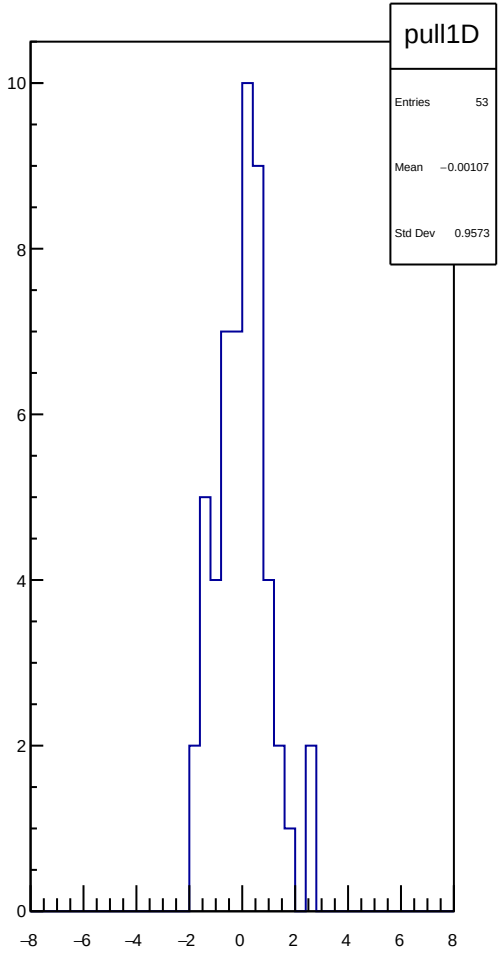

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 3023 / 52
p0 6003 ± 6.007
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

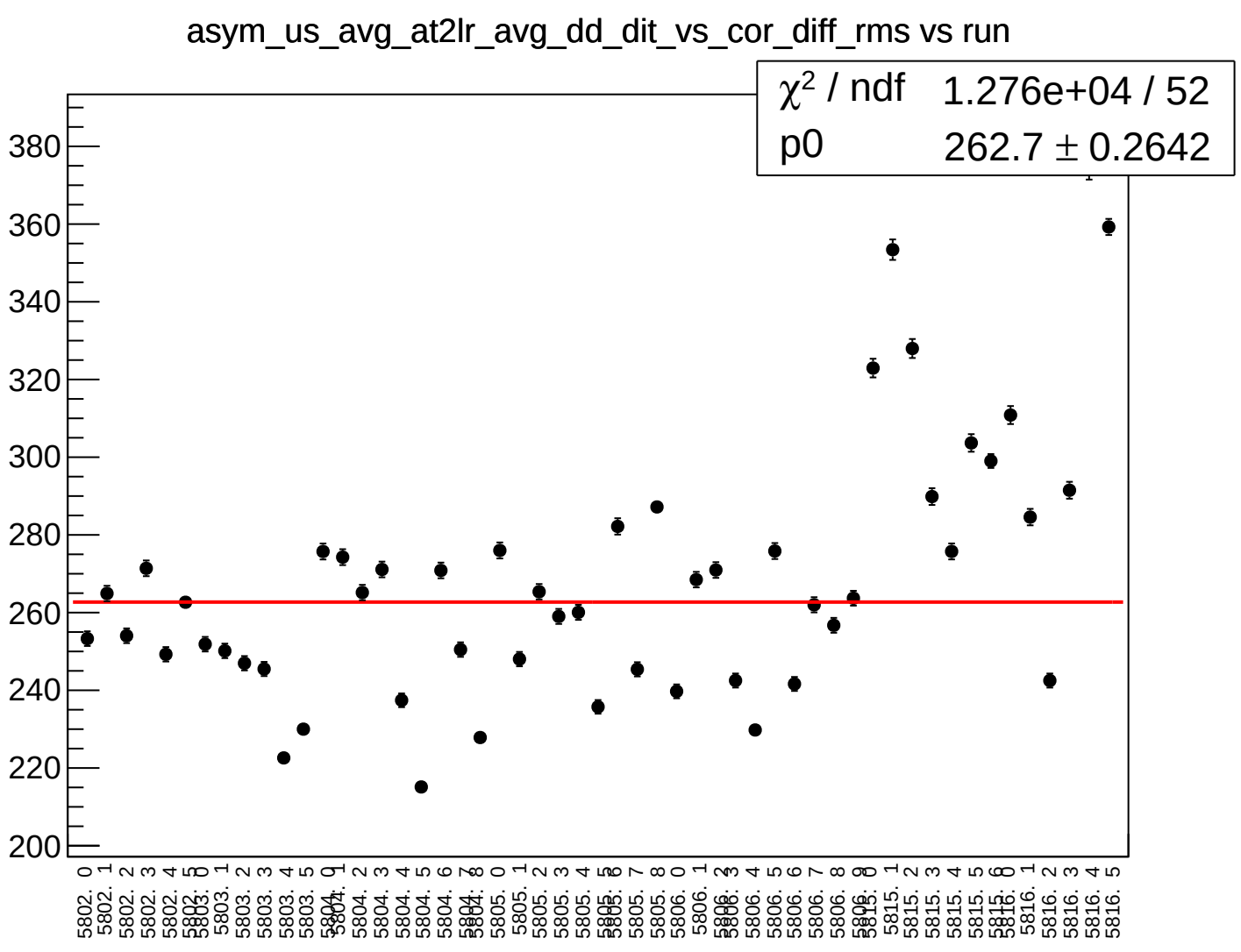

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.94 / 52
p0 −3.585e−13 ± 5.694e−13
pull
Entries 53
Mean 30.36
Std Dev 7.406

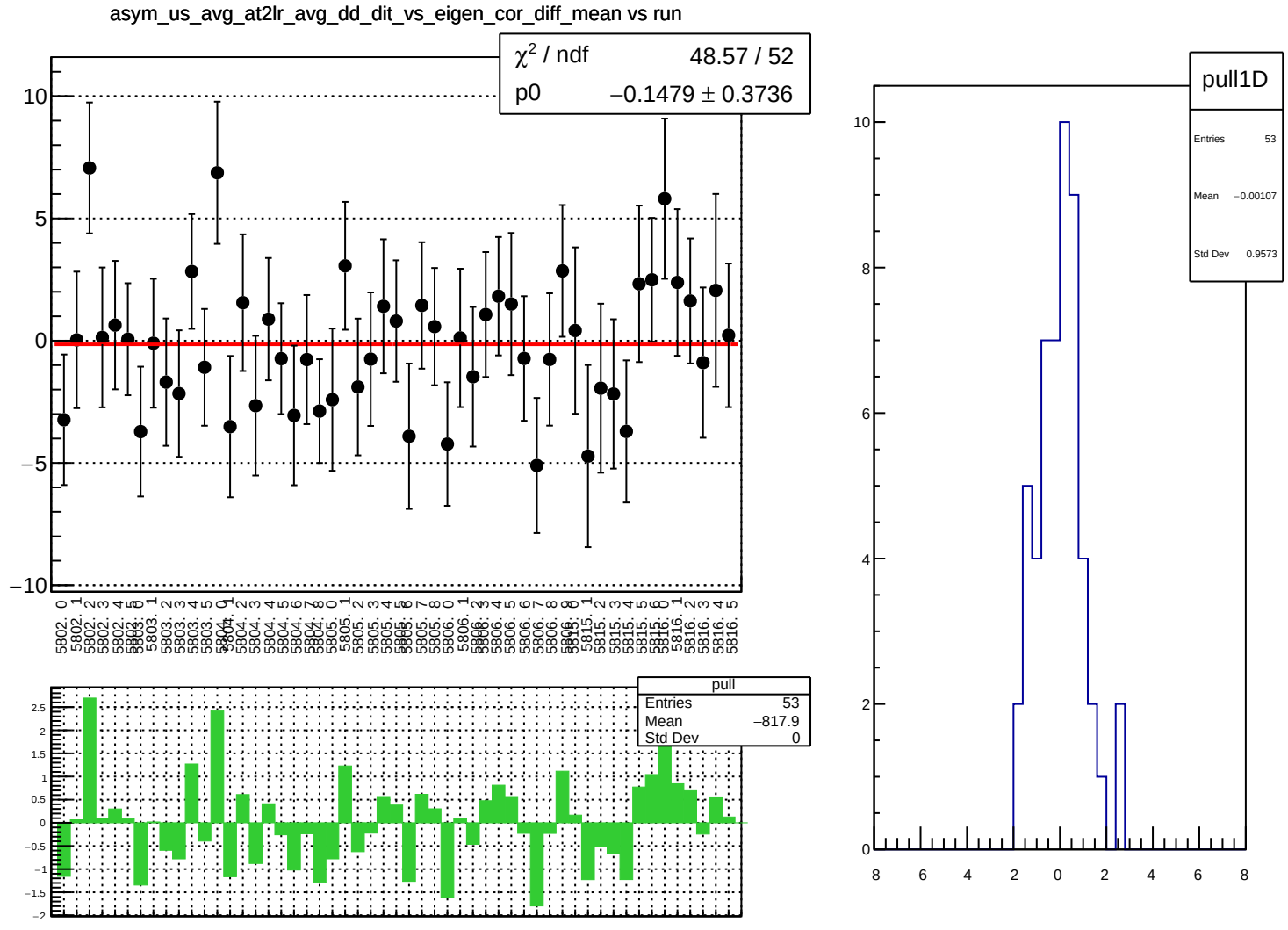

pull1D
Entries 53
Mean 0.05171
Std Dev 0.9194

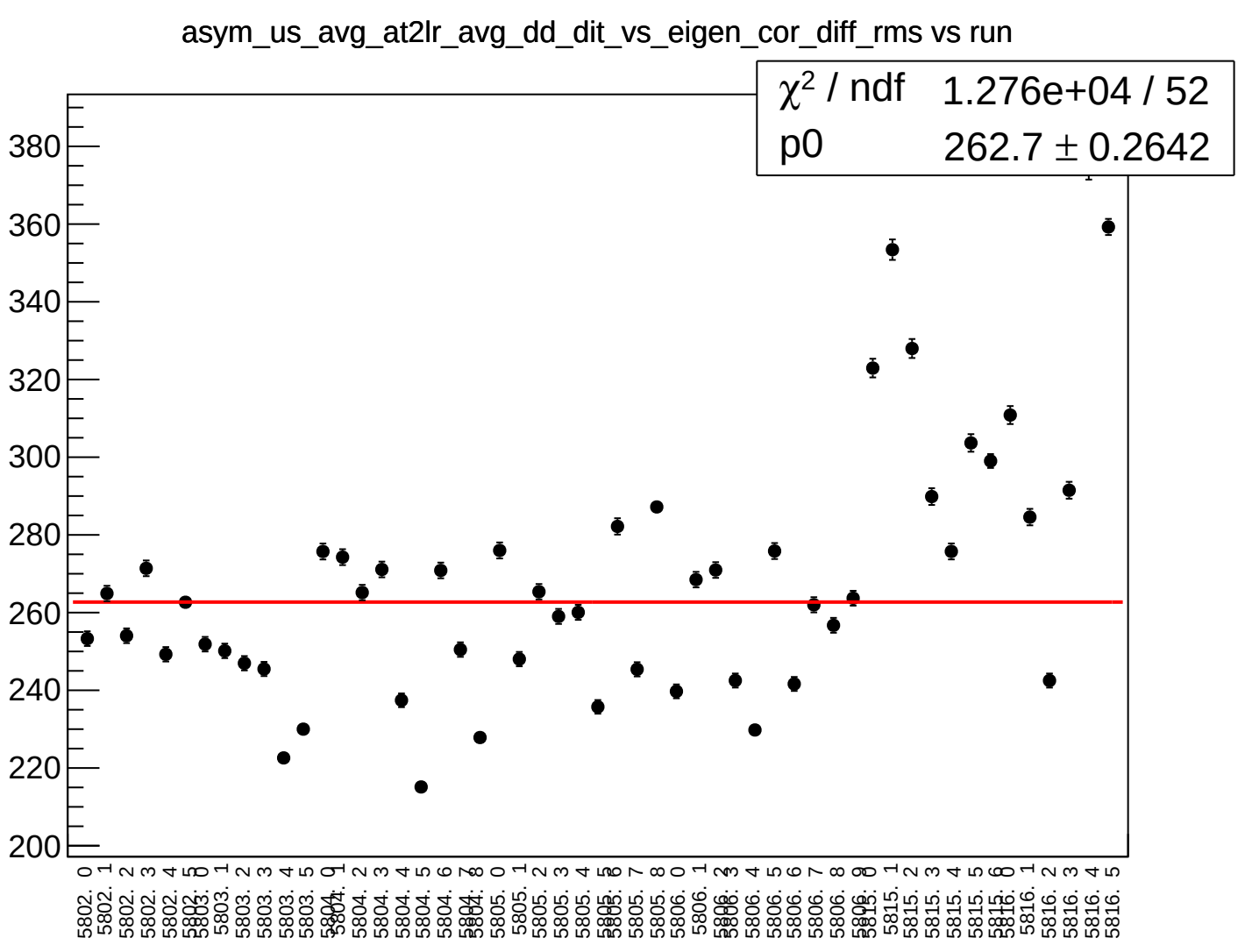

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.881e+05 / 52
p0 2.589e−10 ± 4.026e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

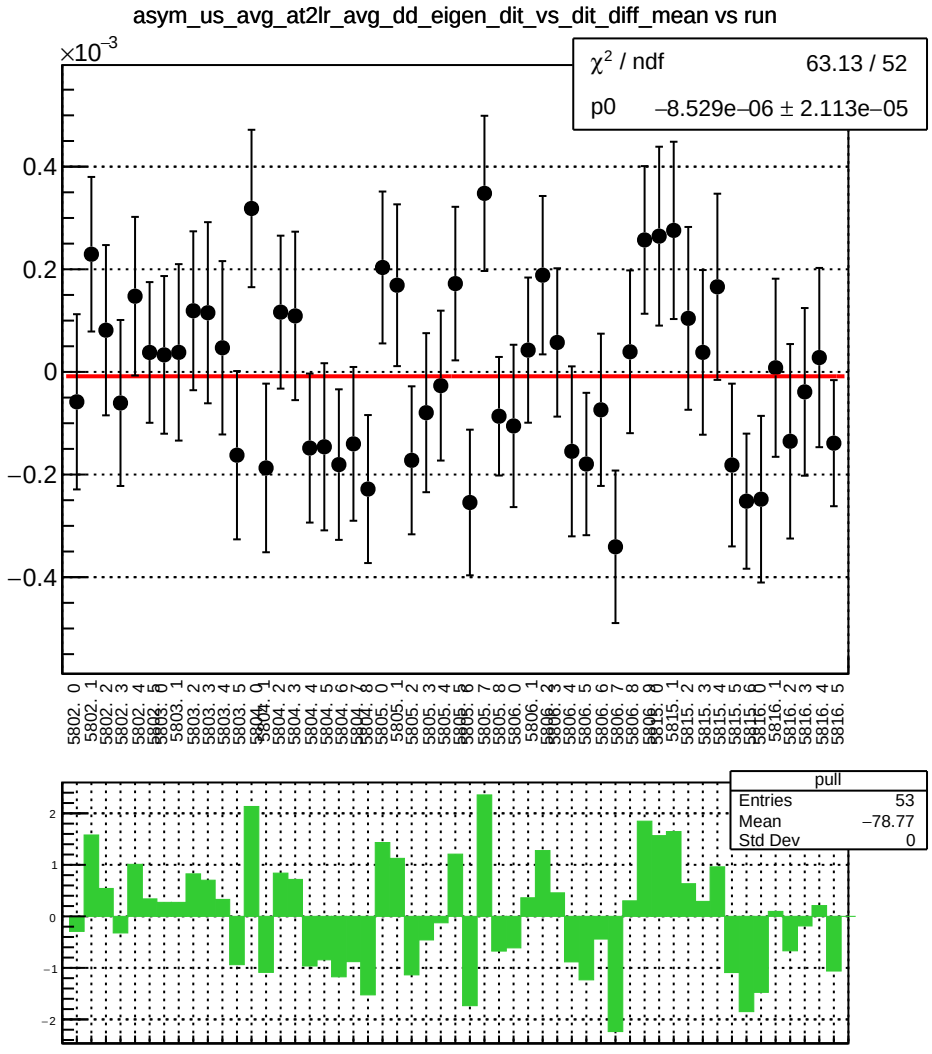

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.57 / 52
p0 −0.1479 ± 0.3736
pull
Entries 53
Mean −817.9
Std Dev 0

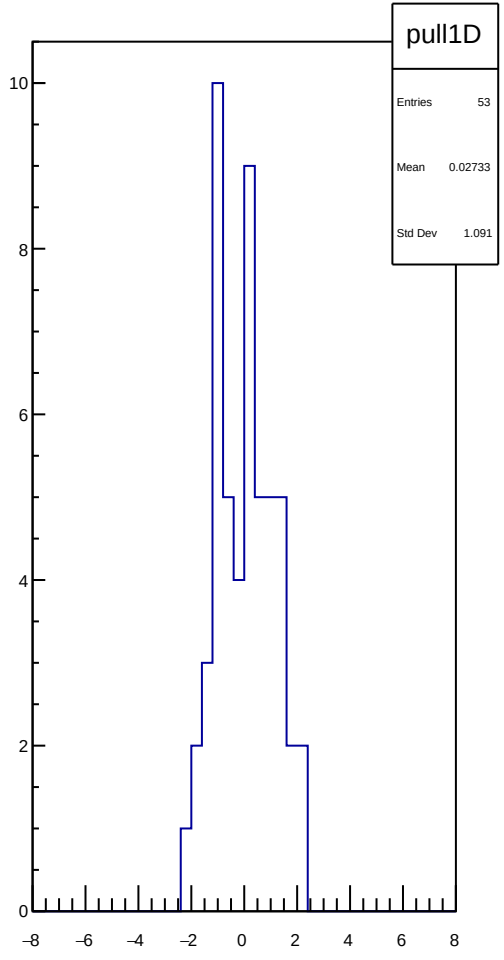

pull1D
Entries 53
Mean −0.00107
Std Dev 0.9573

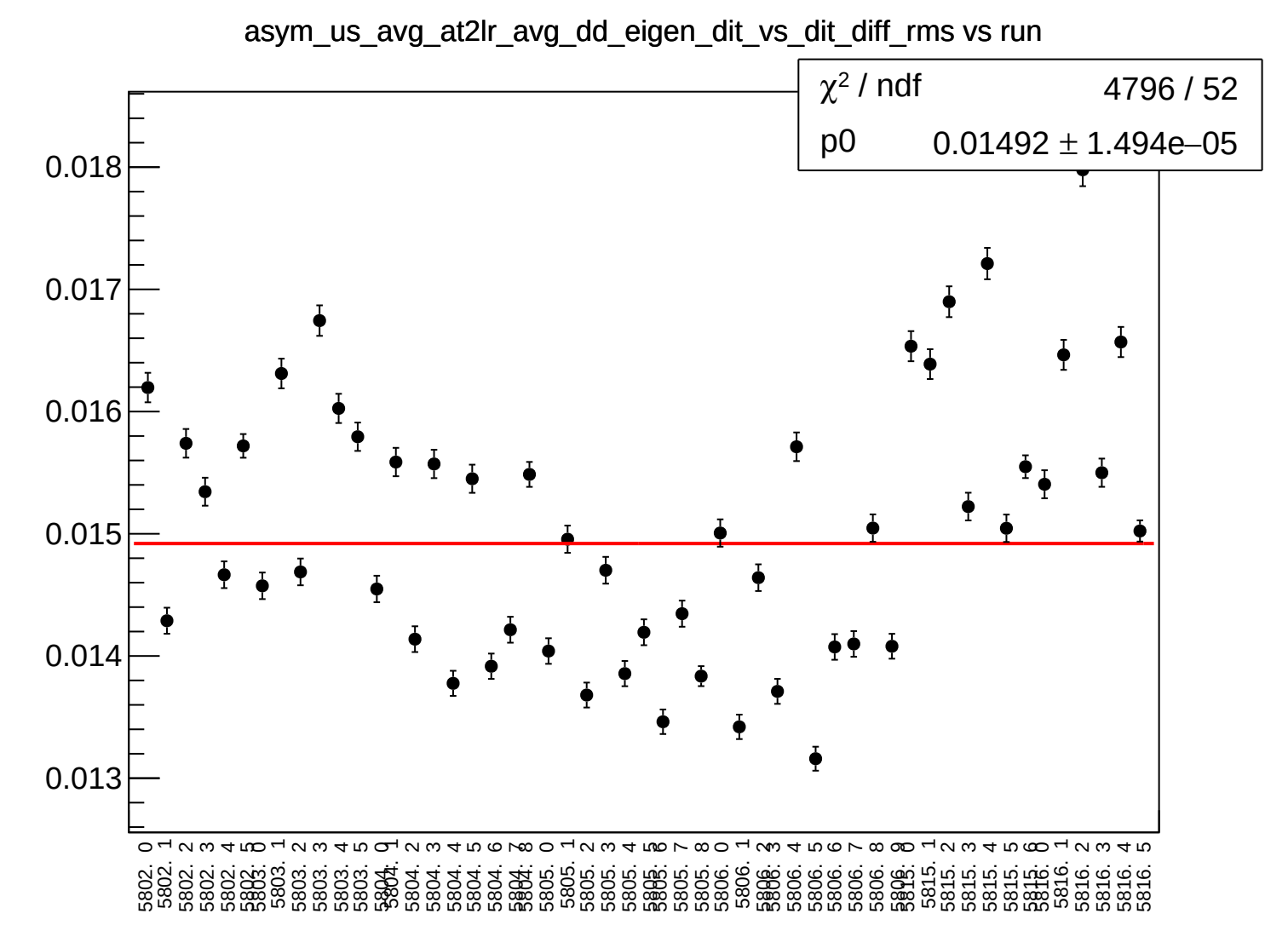

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.276e+04 / 52
p0 262.7 ± 0.2642
380
360
340
320
300
280
260
240
220
200

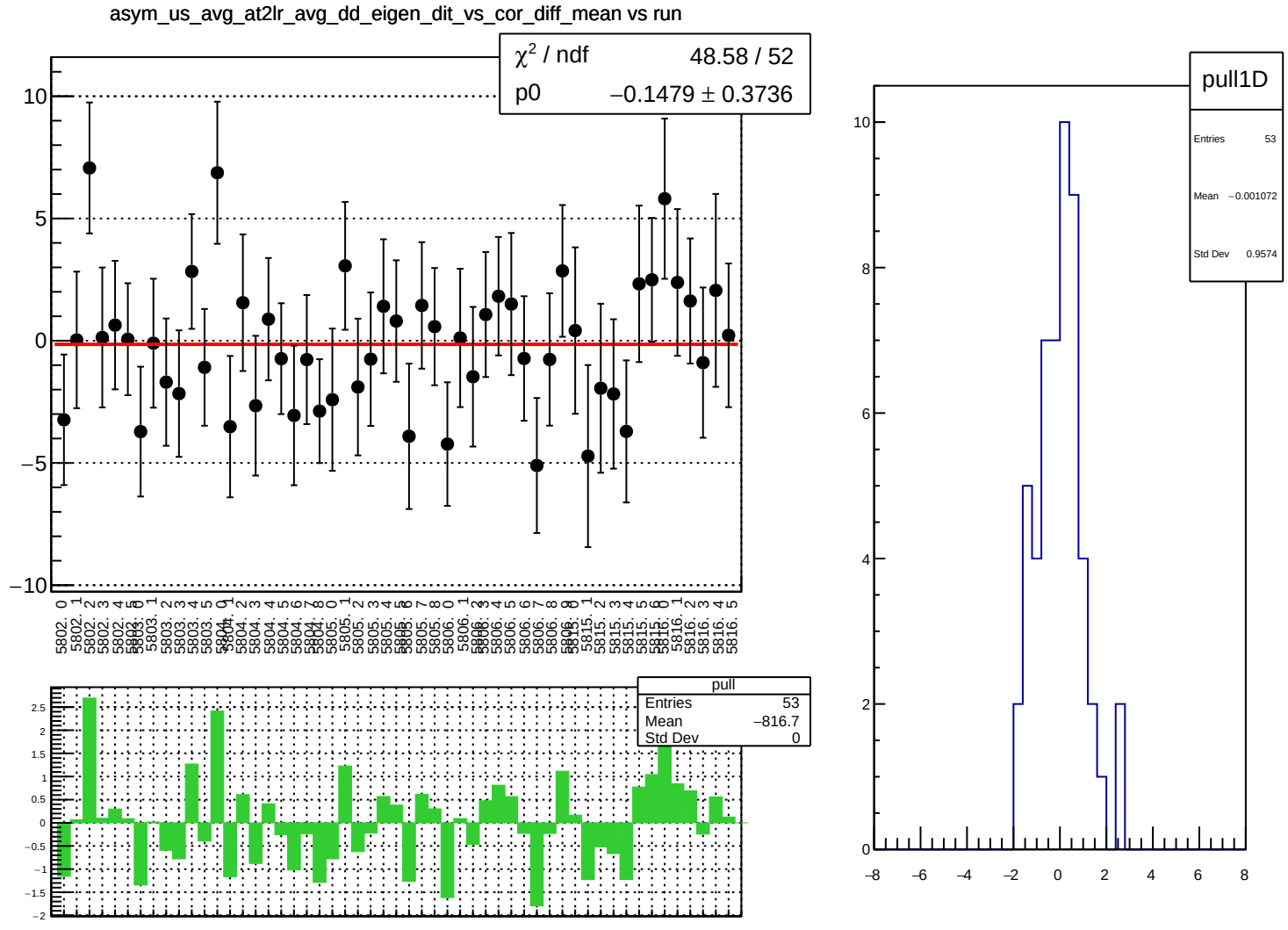

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.57 / 52
p0 −0.1479 ± 0.3736
pull
Entries 53
Mean −817.9
Std Dev 0
pull1D
Entries 53
Mean −0.00107
Std Dev 0.9573

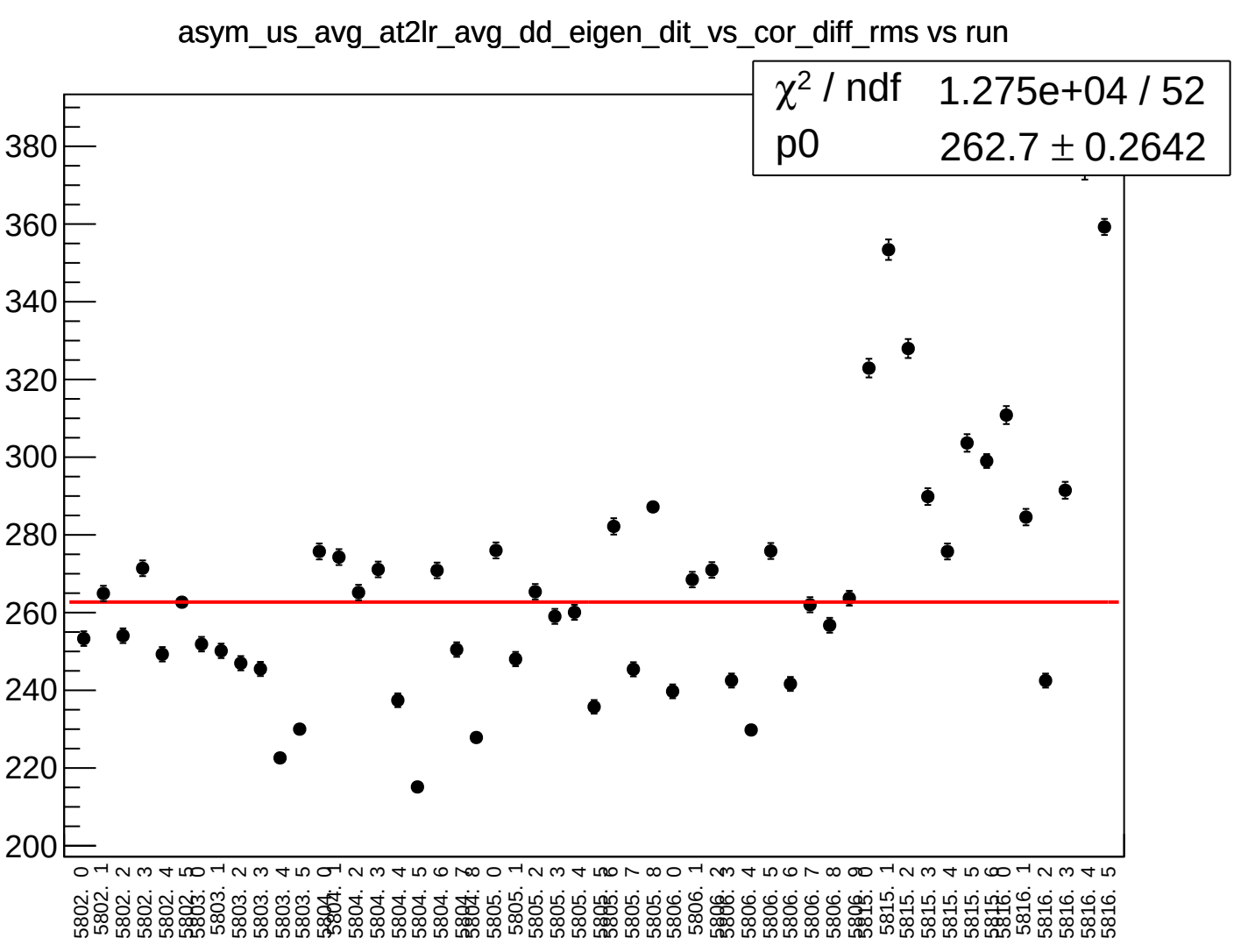

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.276e+04 / 52
p0 262.7 ± 0.2642
380
360
340
320
300
280
260
240
220
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

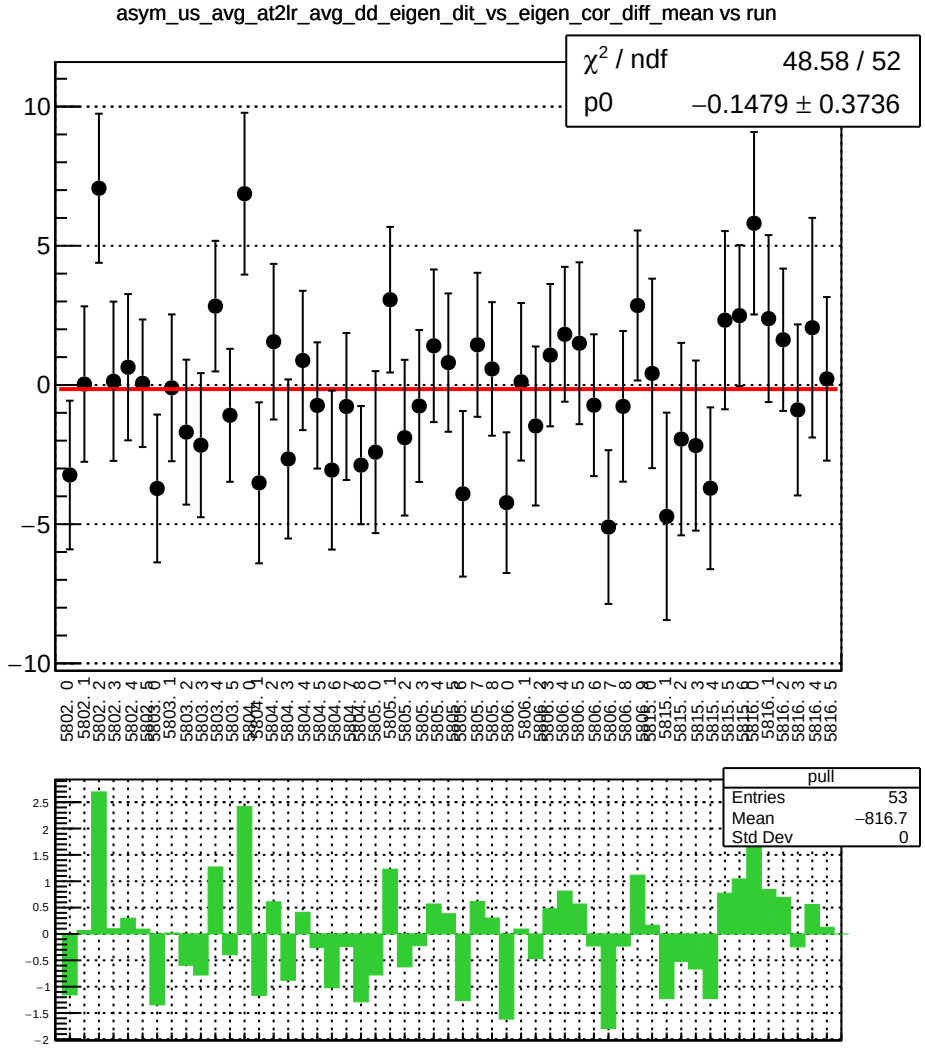

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.13 / 52
p0 −8.529e−06 ± 2.113e−05
pull
Entries 53
Mean −78.77
Std Dev 0

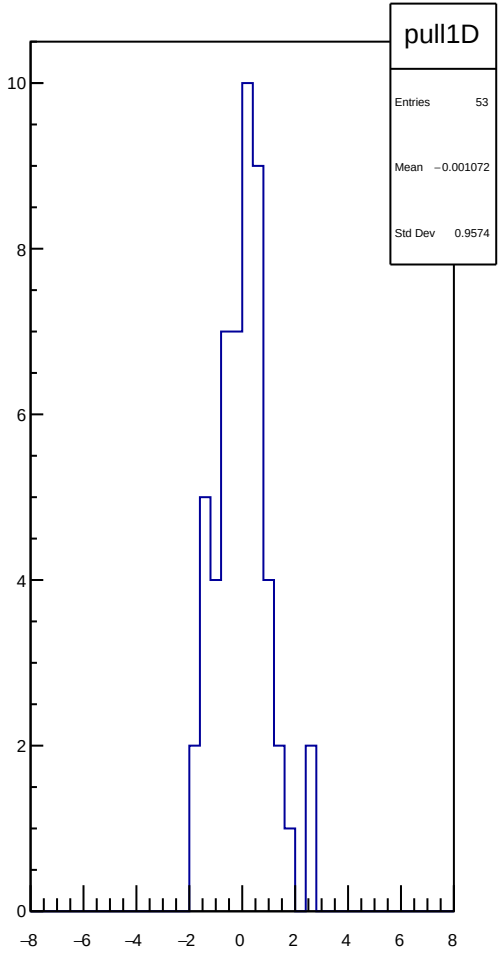

pull1D
Entries 53
Mean 0.02733
Std Dev 1.091

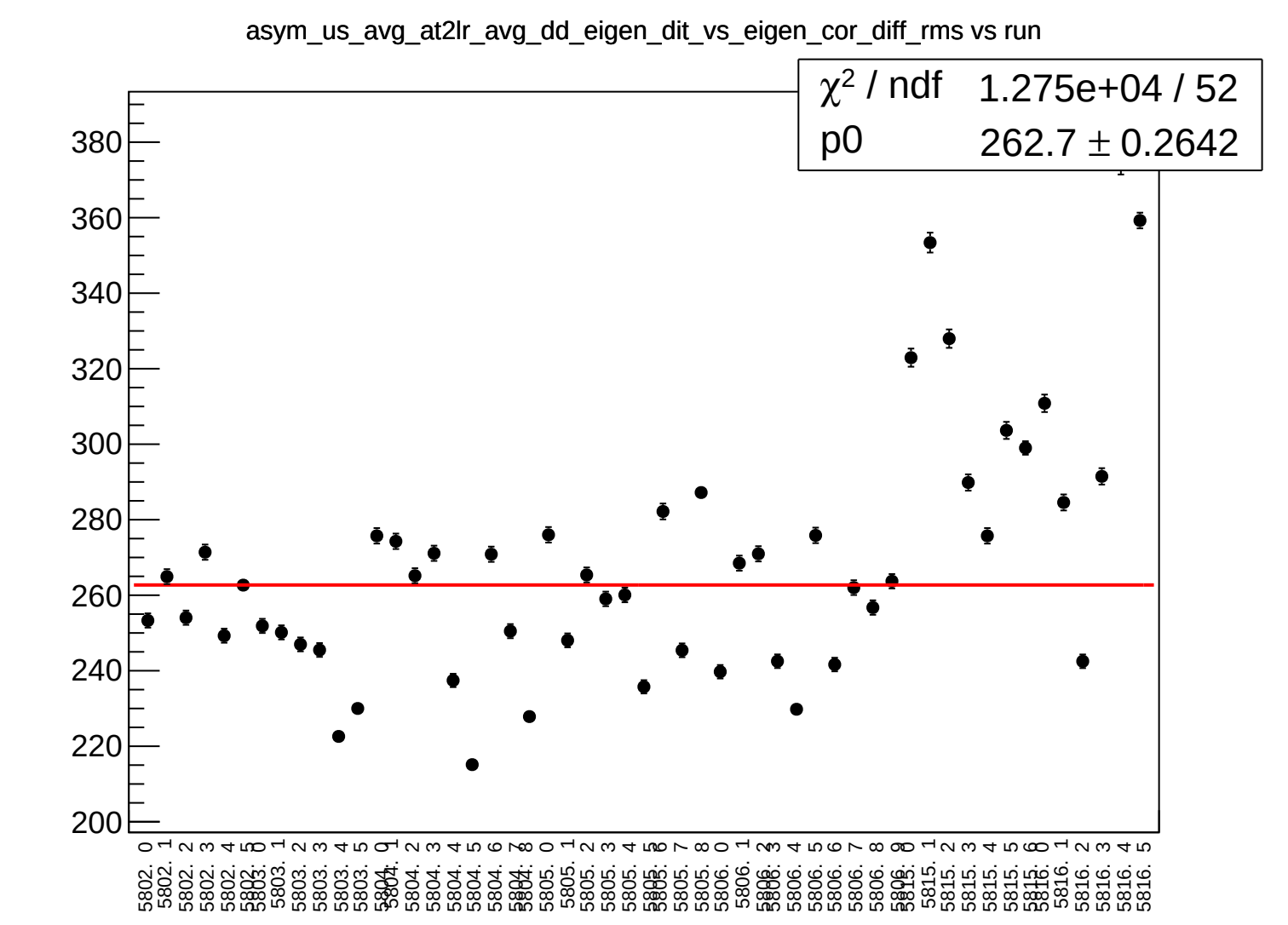

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4796 / 52
p0 0.01492 ± 1.494e−05
0.018
0.017
0.016
0.015
0.014
0.013

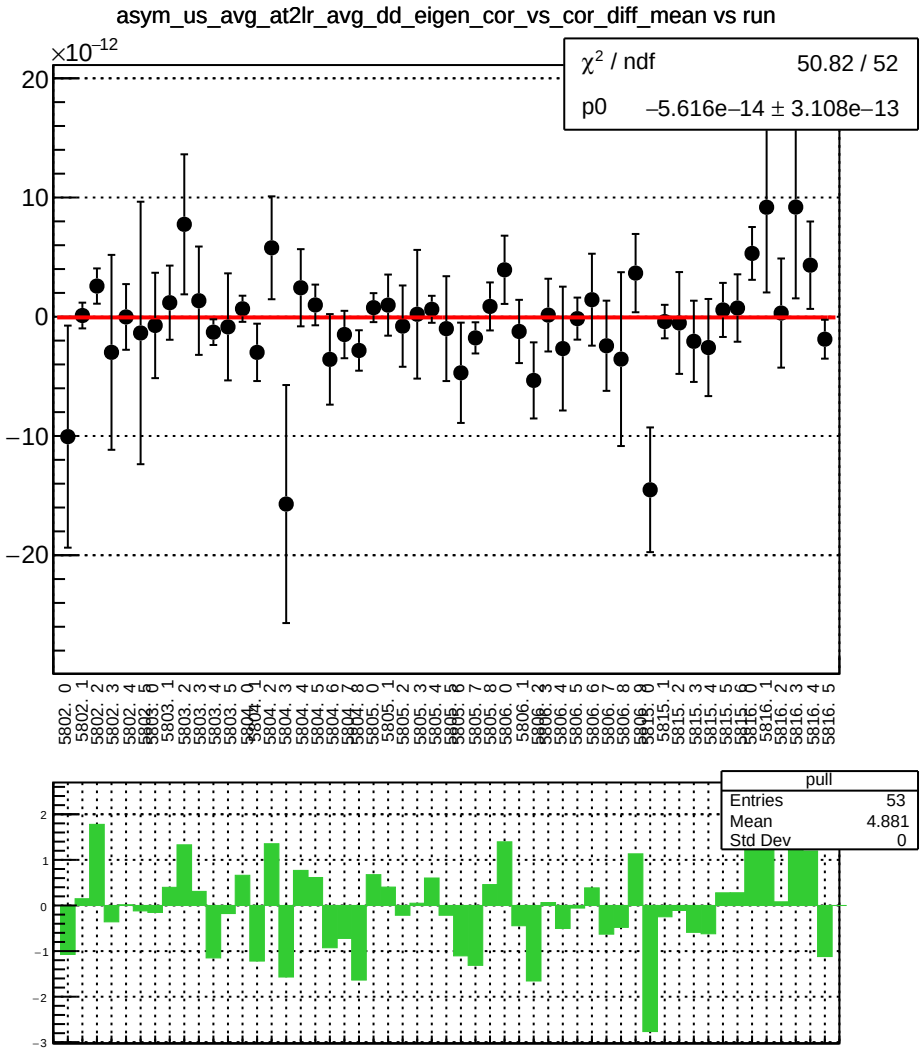

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 −0.1479 ± 0.3736
pull
Entries 53
Mean −816.7
Std Dev 0
pull1D
Entries 53
Mean −0.001072
Std Dev 0.9574

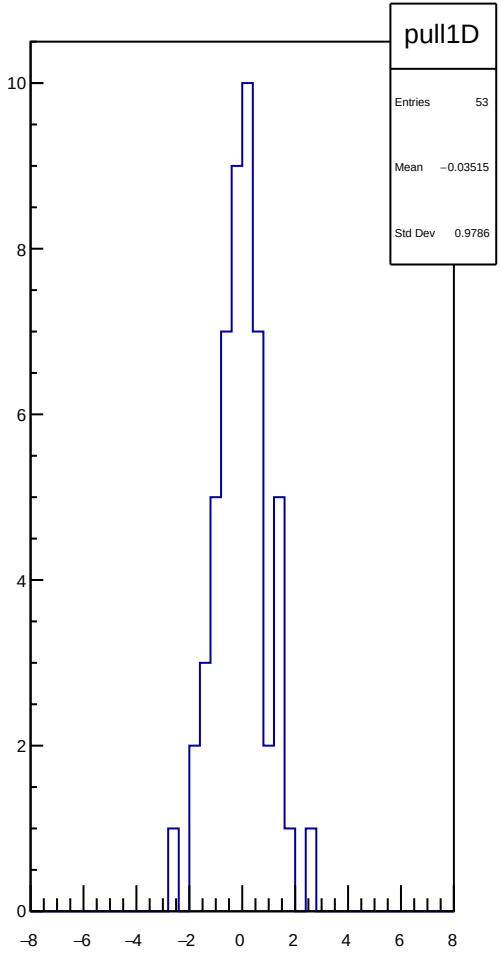

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 52
p0 262.7 ± 0.2642
380
360
340
320
300
280
260
240
220
200

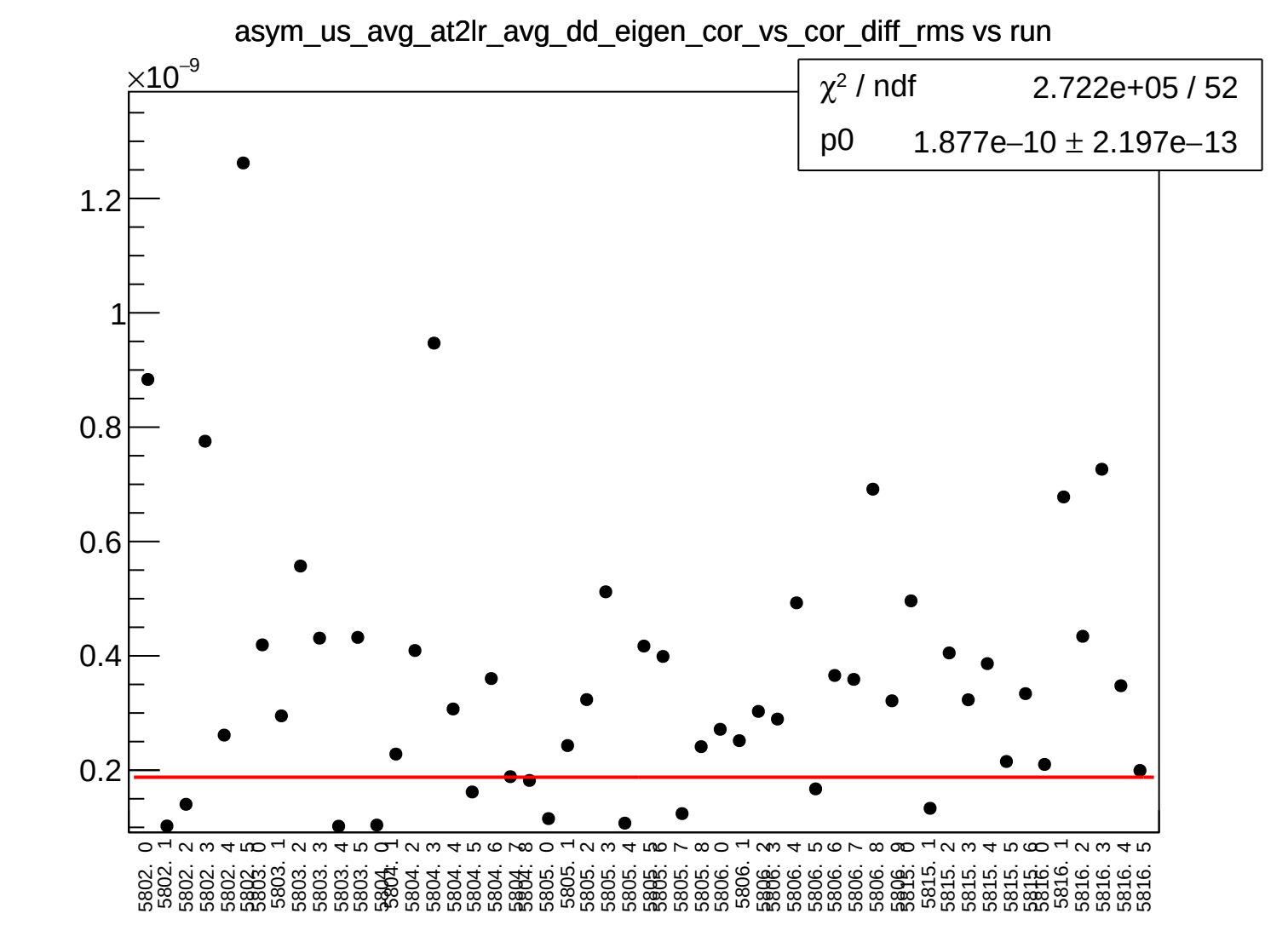

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 −0.1479 ± 0.3736
pull
Entries 53
Mean −816.7
Std Dev 0

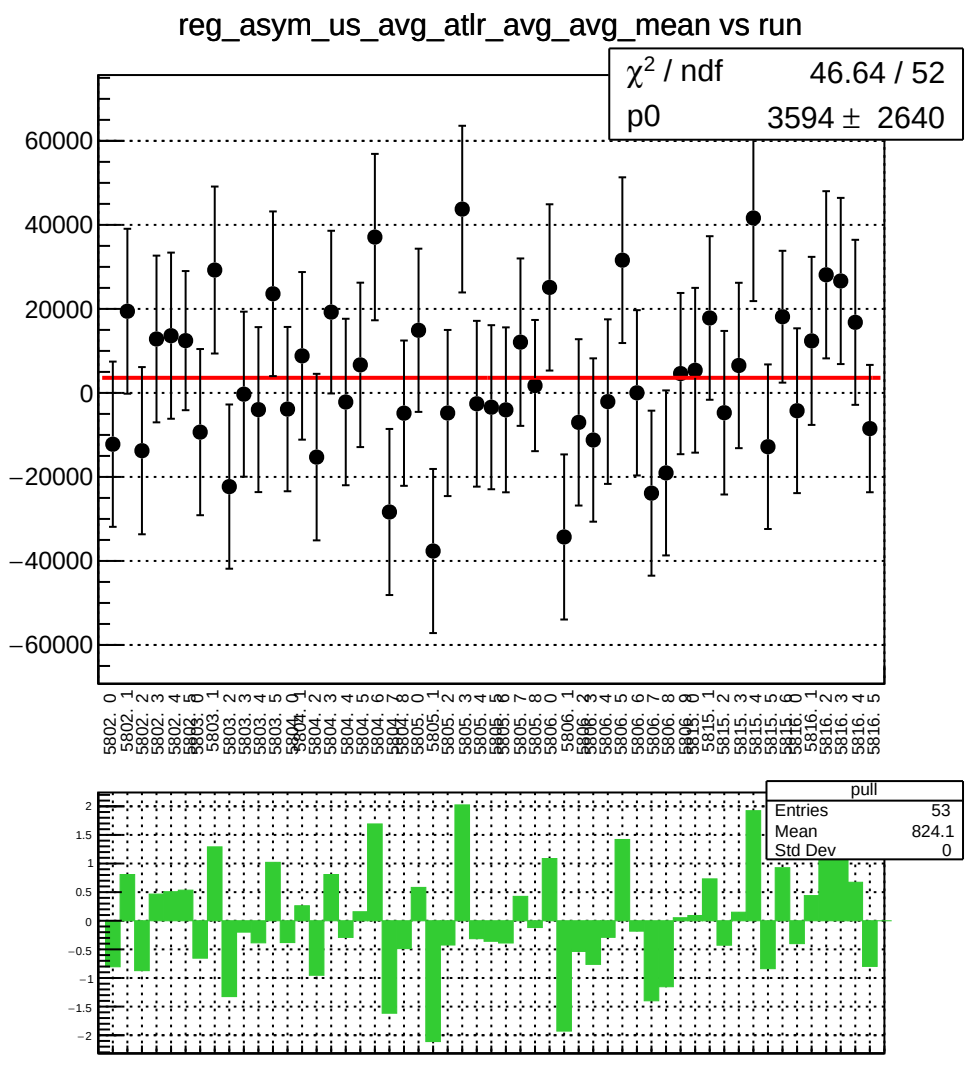

pull1D
Entries 53
Mean −0.001072
Std Dev 0.9574

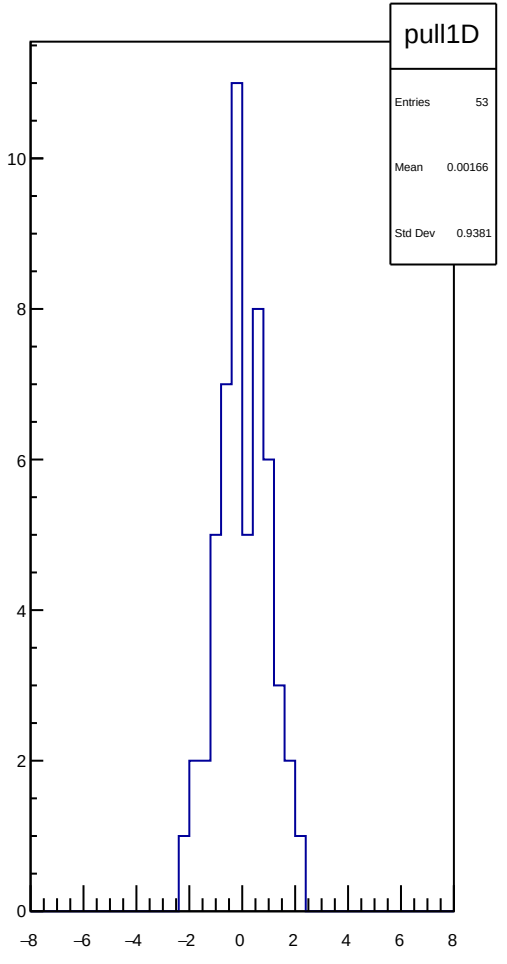

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.275e+04 / 52
p0 262.7 ± 0.2642
380
360
340
320
300
280
260
240
220
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

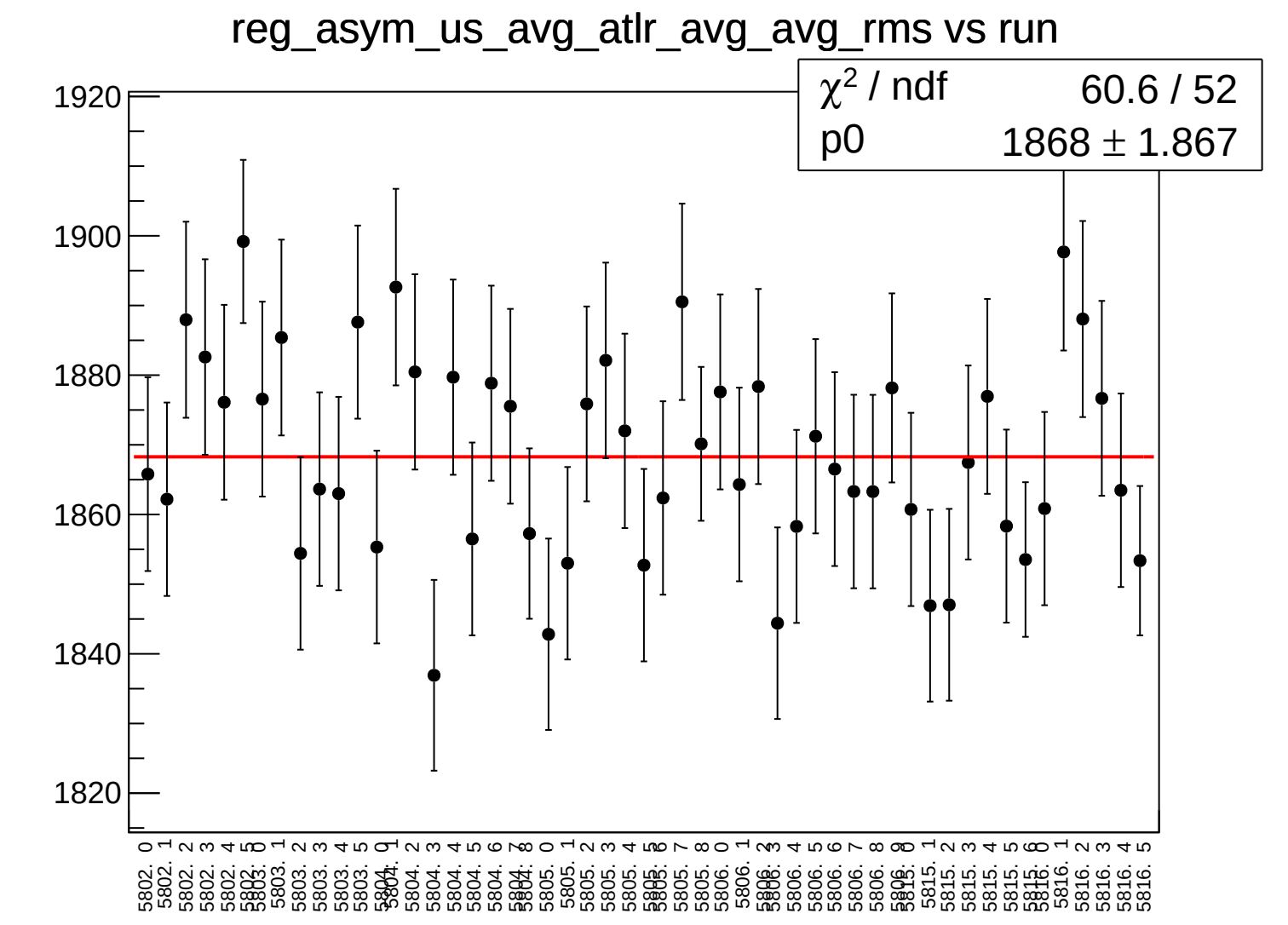

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.82 / 52
p0 −5.616e−14 ± 3.108e−13
pull
Entries 53
Mean 4.881
Std Dev 0

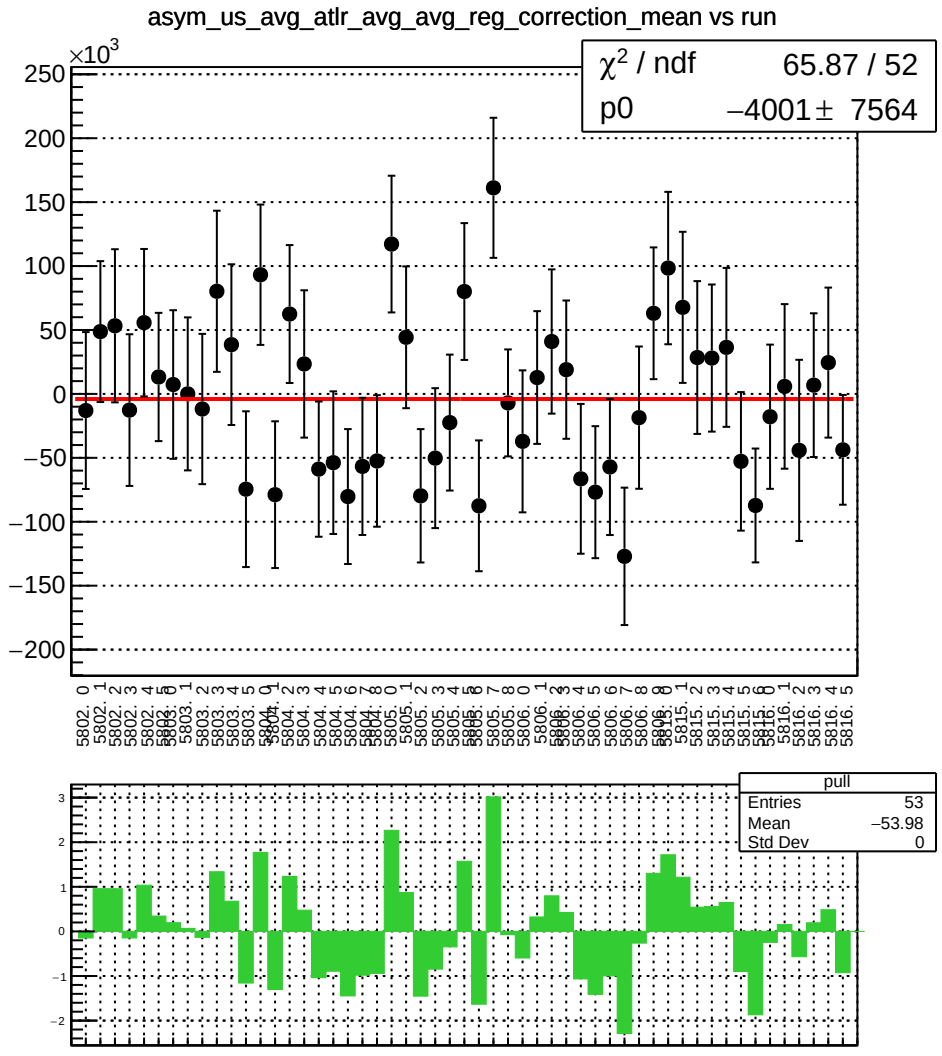

pull1D
Entries 53
Mean −0.03515
Std Dev 0.9786

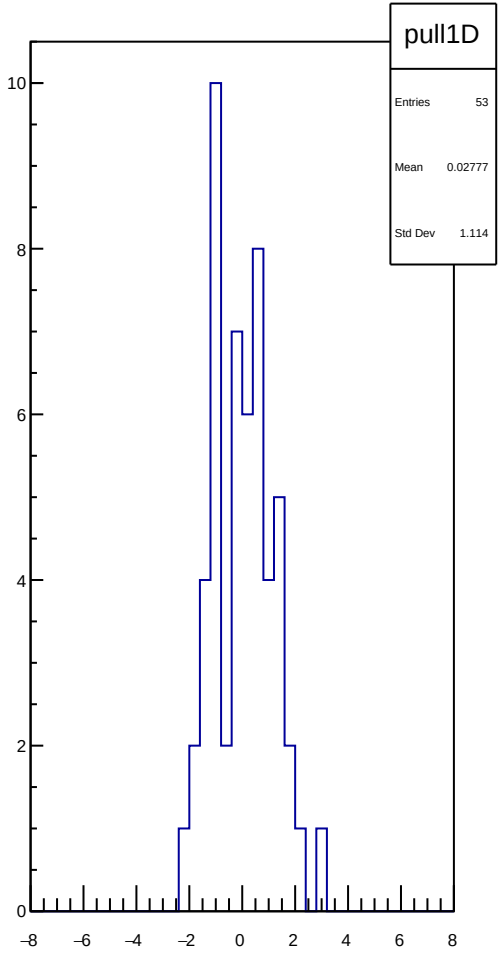

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.722e+05 / 52
p0 1.877e−10 ± 2.197e−13
1.2
1
0.8
0.6
0.4
0.2

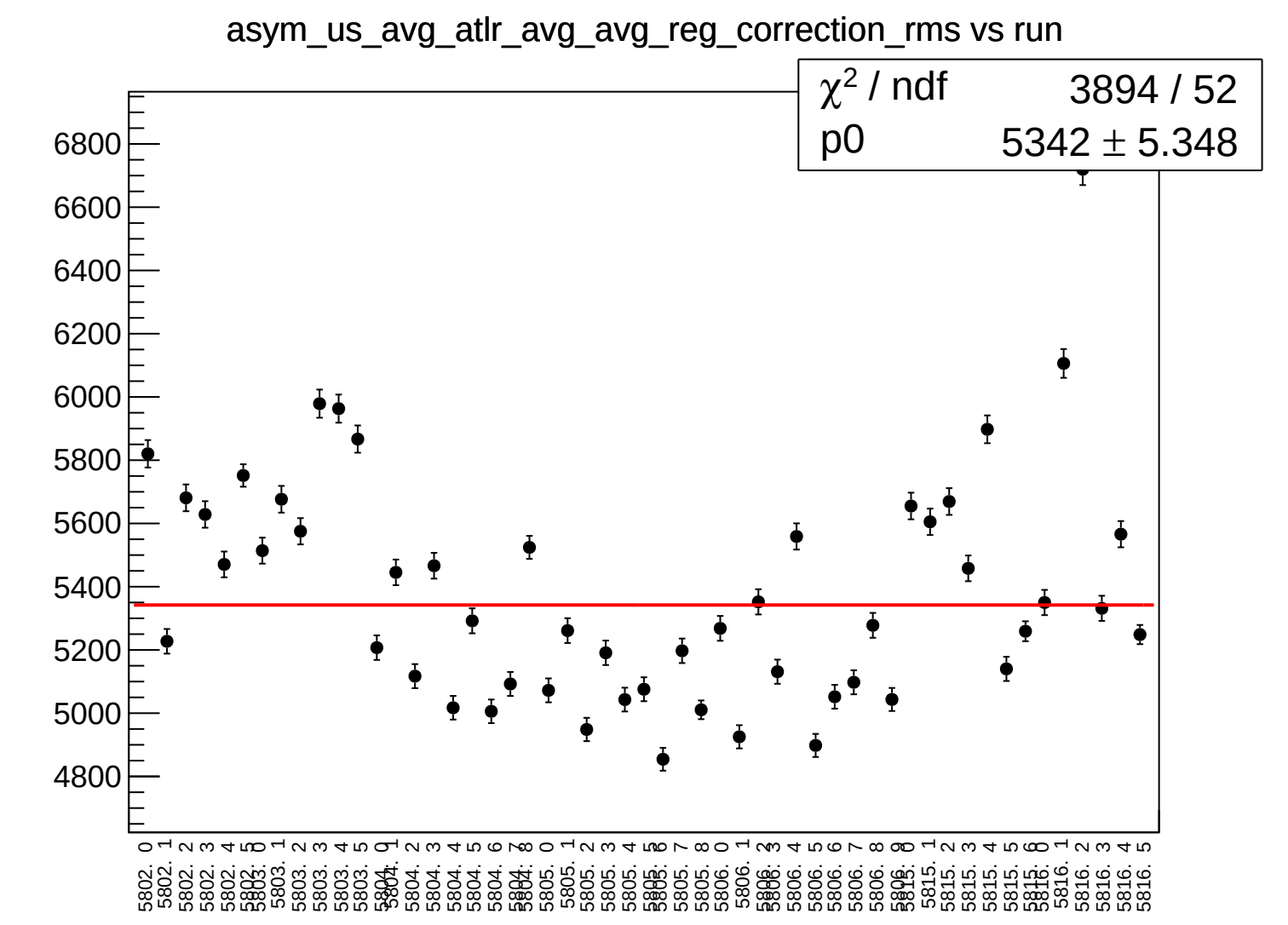

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.64 / 52
p0 3594 ± 2640
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 824.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

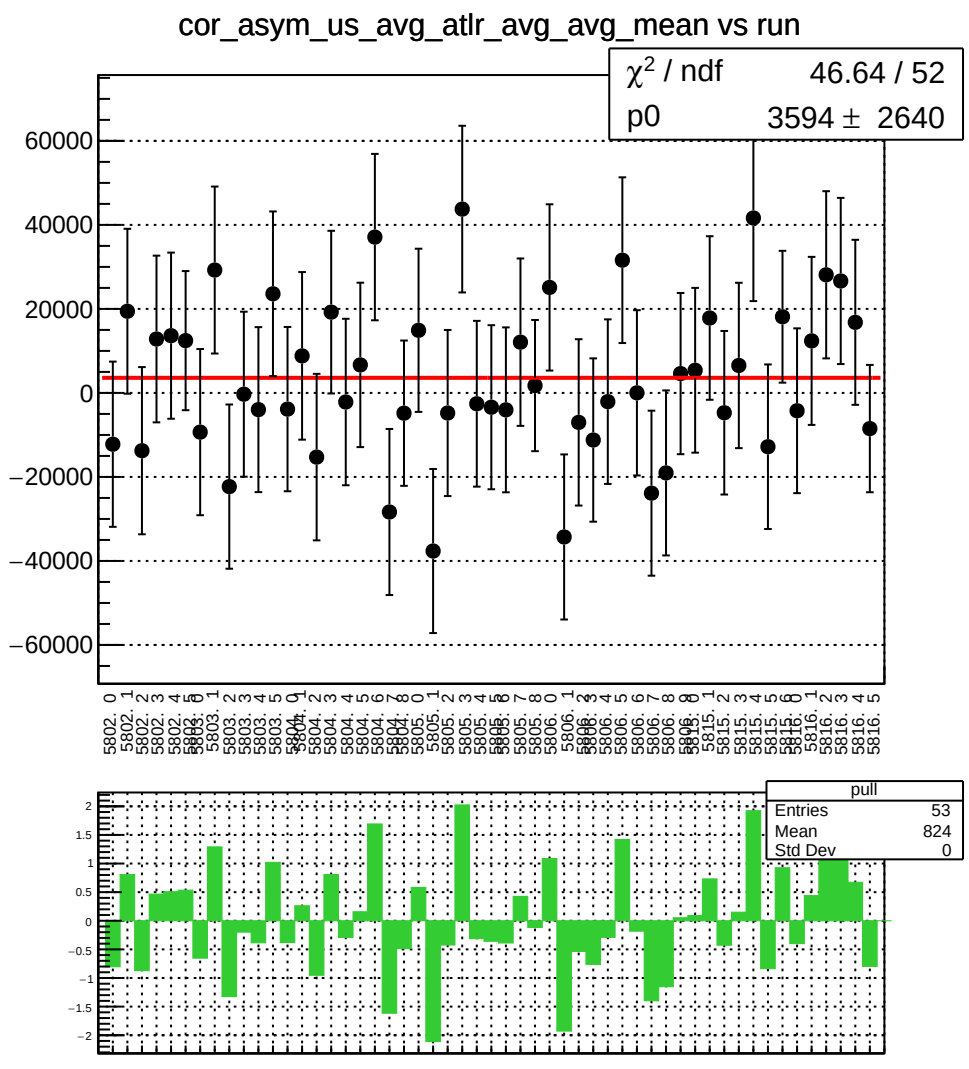

pull1D
Entries 53
Mean 0.00166
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

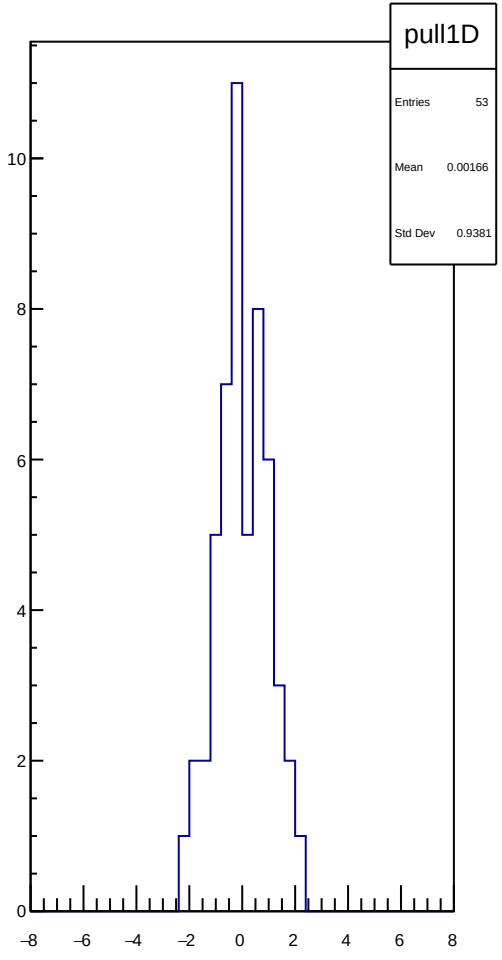

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 60.6 / 52
p0 1868 ± 1.867
1920
1900
1880
1860
1840
1820

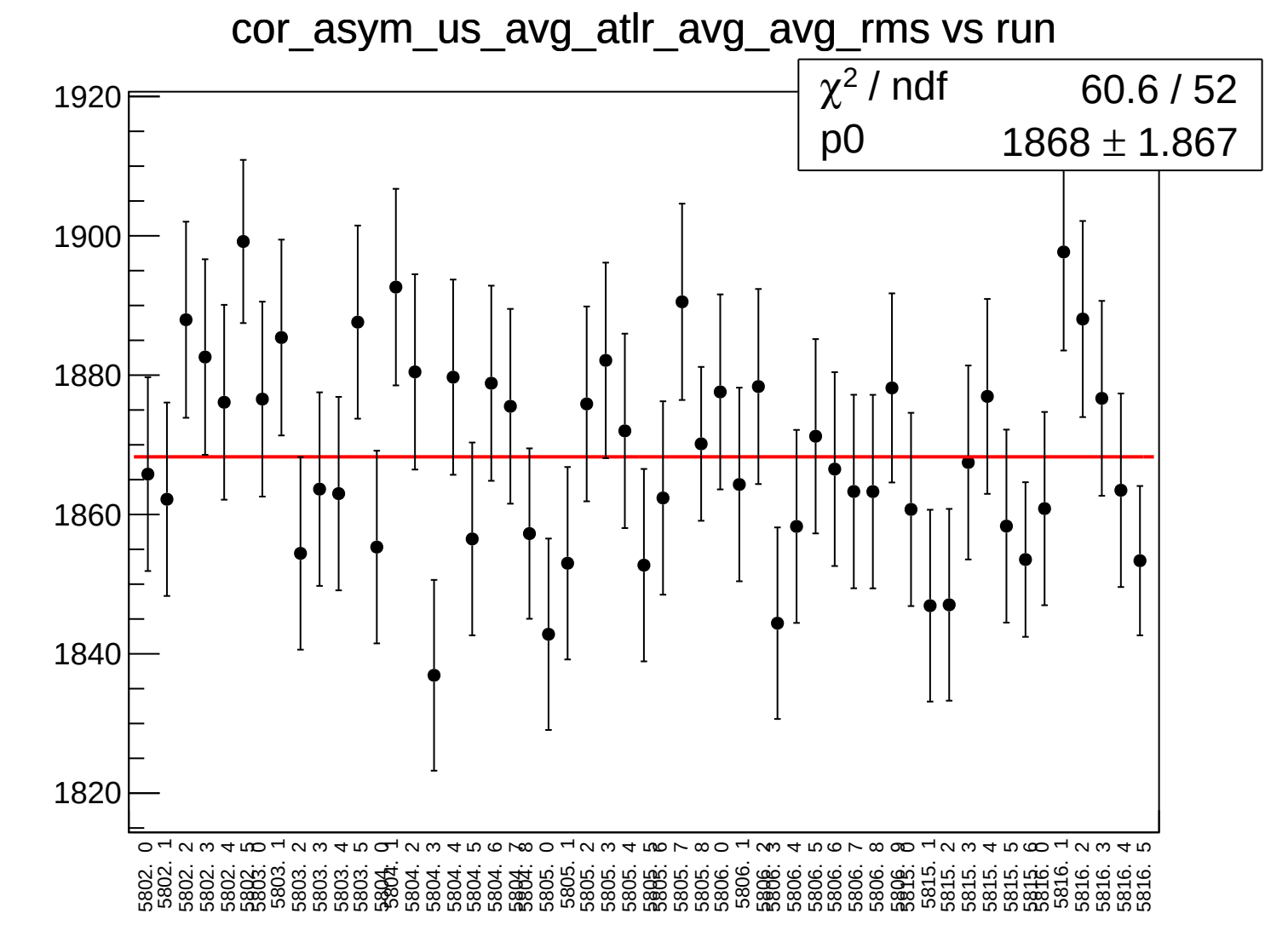

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 65.87 / 52
p0 −4001 ± 7564
pull
Entries 53
Mean −53.98
Std Dev 0

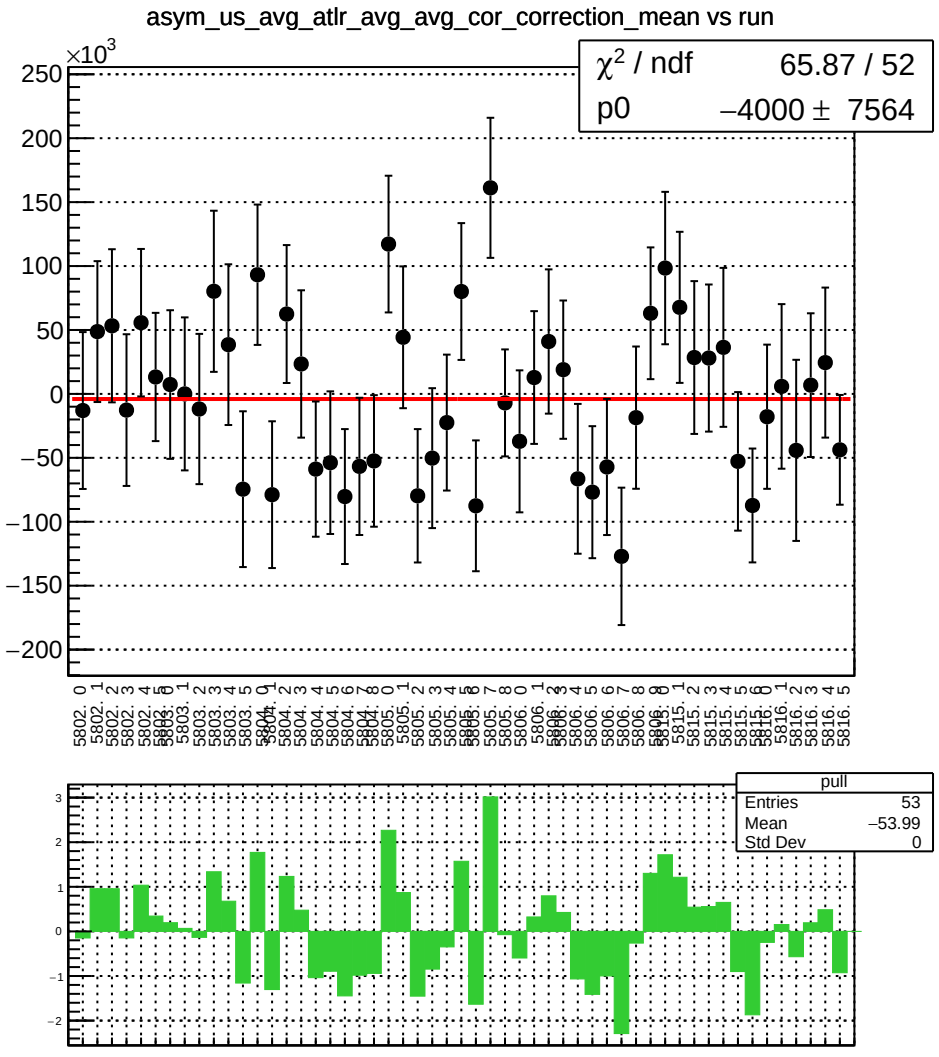

pull1D
Entries 53
Mean 0.02777
Std Dev 1.114

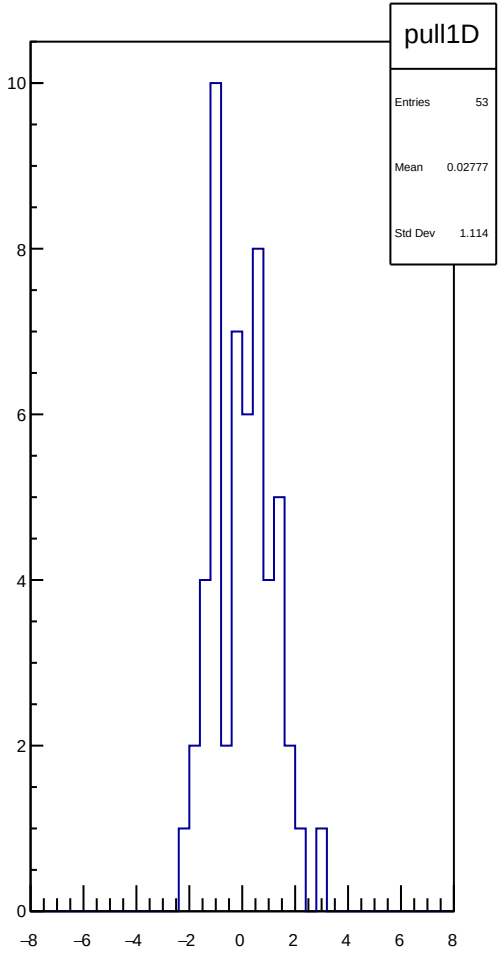

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 3894 / 52
p0 5342 ± 5.348
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

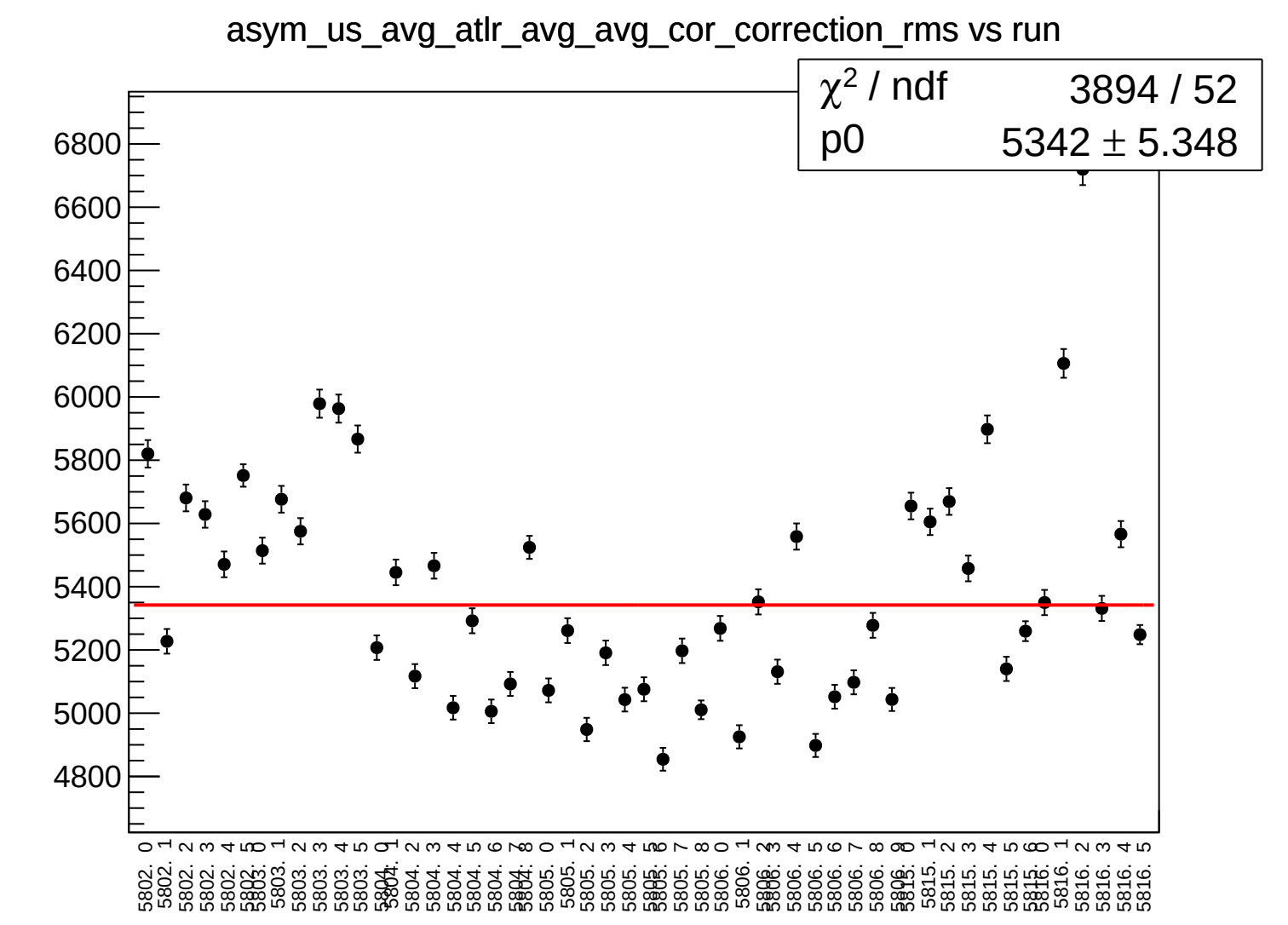

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.64 / 52
p0 3594 ± 2640
pull
Entries 53
Mean 824
Std Dev 0

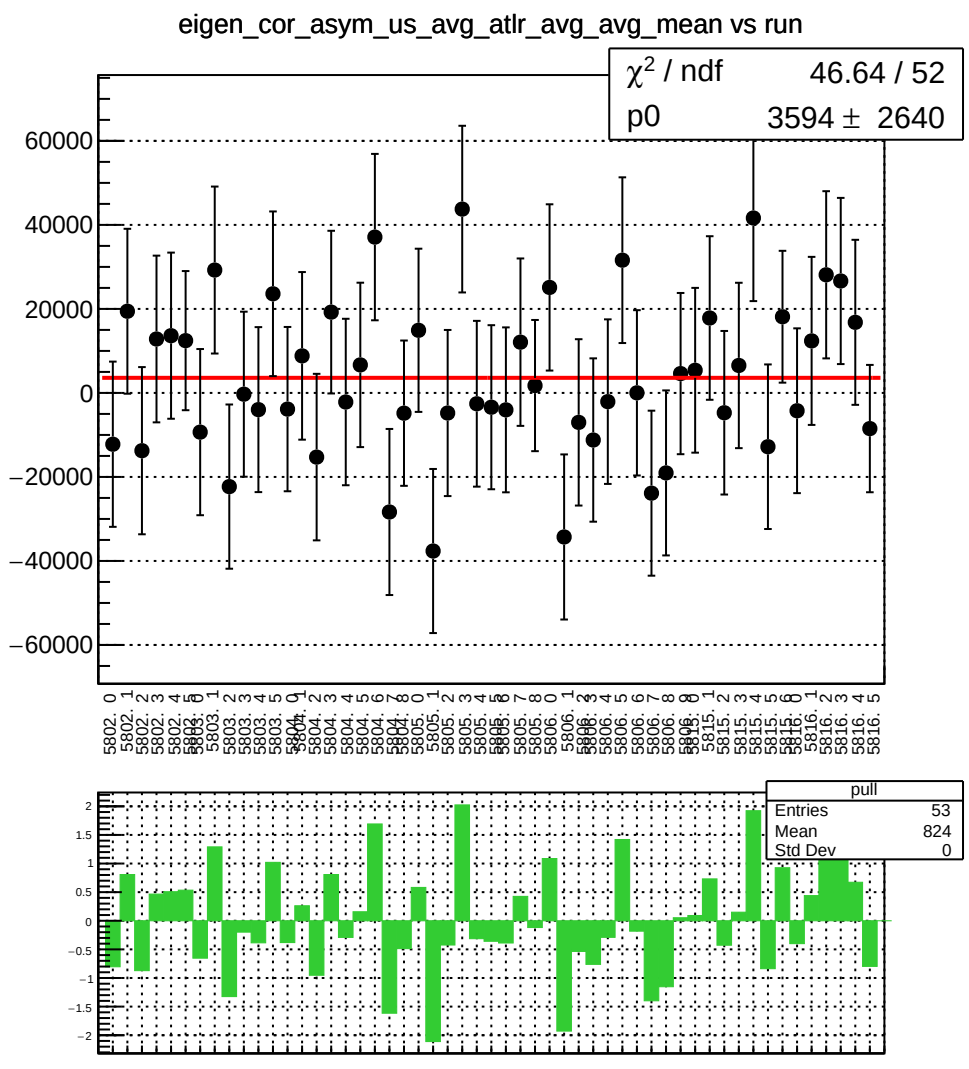

pull1D
Entries 53
Mean 0.00166
Std Dev 0.9381

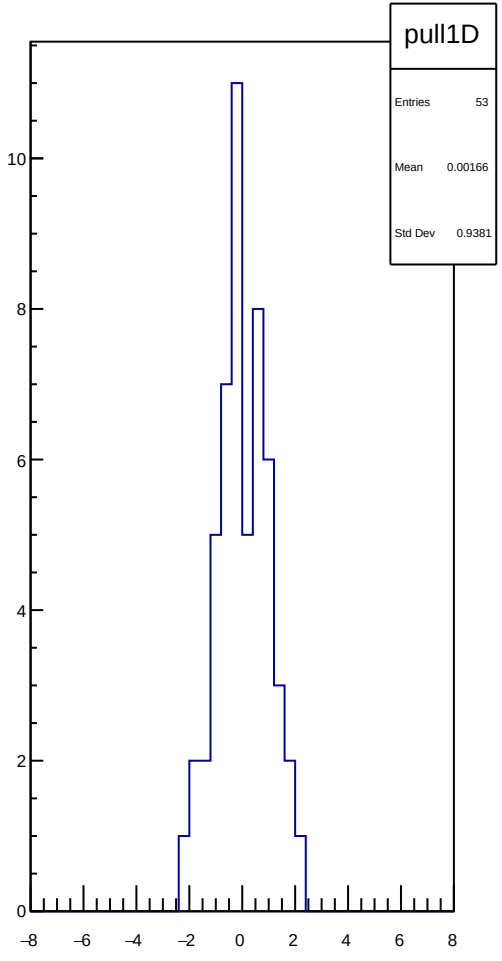

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 60.6 / 52
p0 1868 ± 1.867
1920
1900
1880
1860
1840
1820

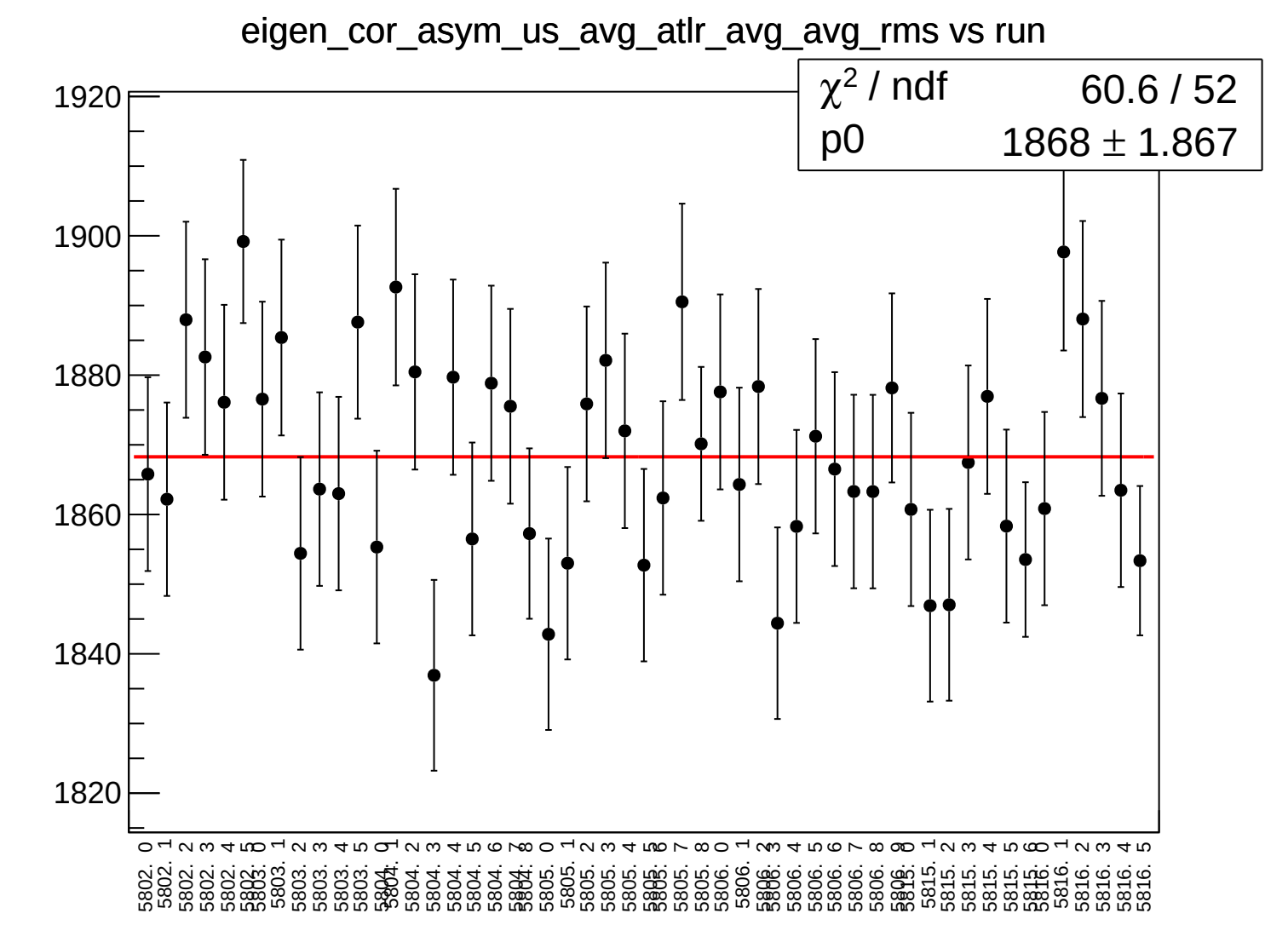

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 65.87 / 52
p0 −4000 ± 7564
pull
Entries 53
Mean −53.99
Std Dev 0

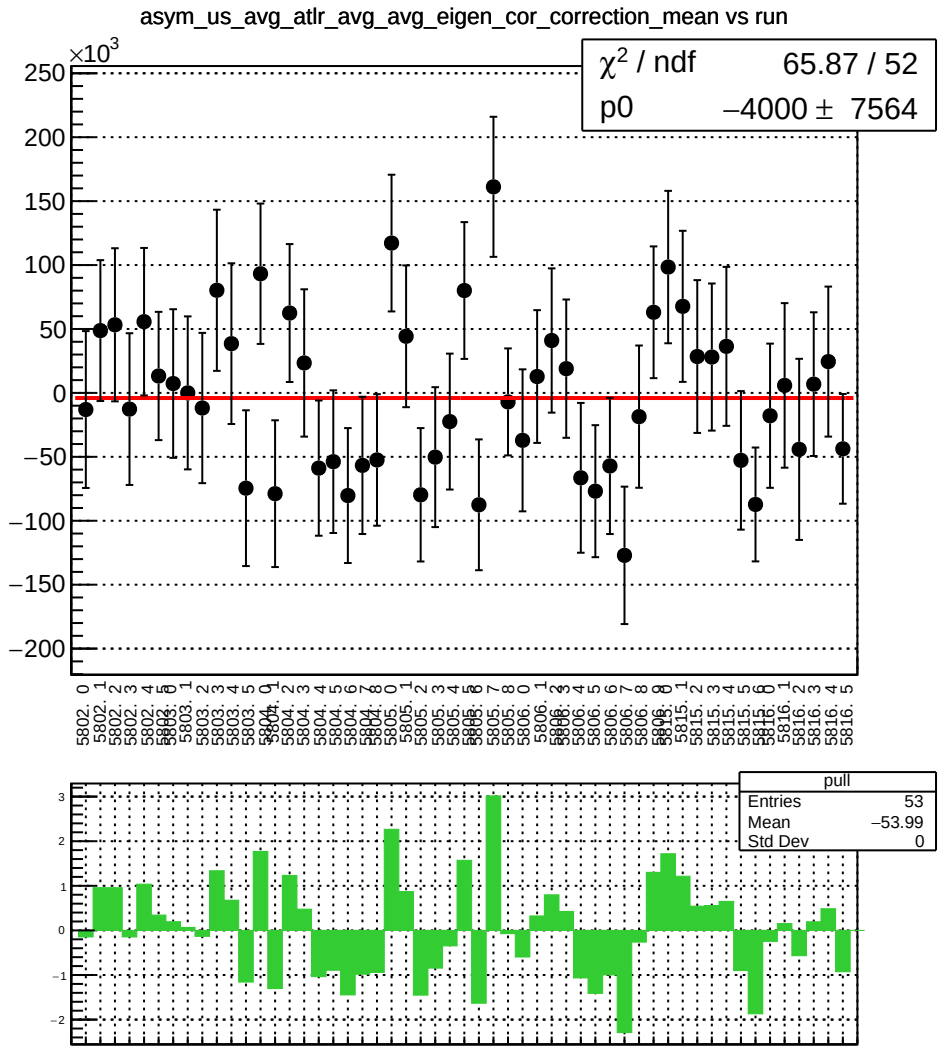

pull1D
Entries 53
Mean 0.02777
Std Dev 1.114

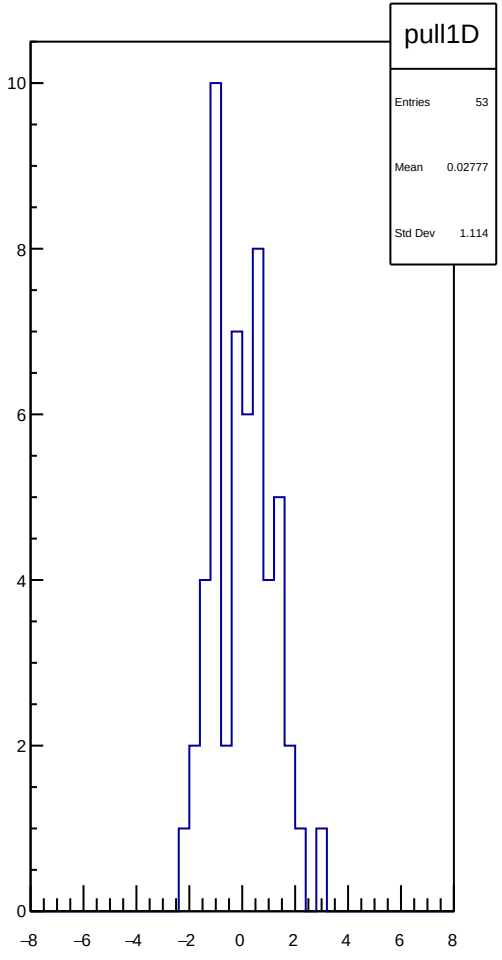

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 3894 / 52
p0 5342 ± 5.348
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

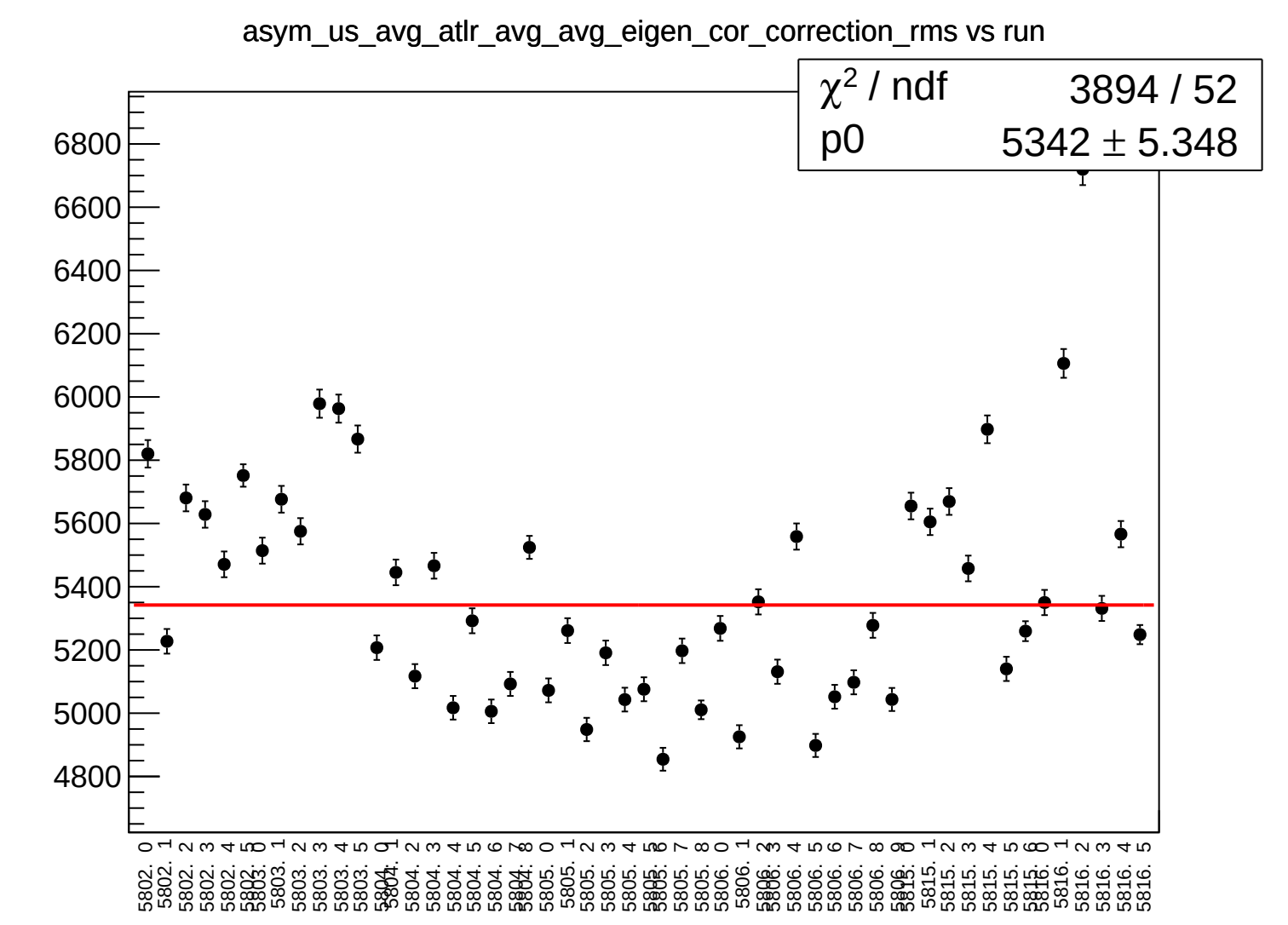

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.64 / 52
p0 3594 ± 2640
pull
Entries 53
Mean 824
Std Dev 0

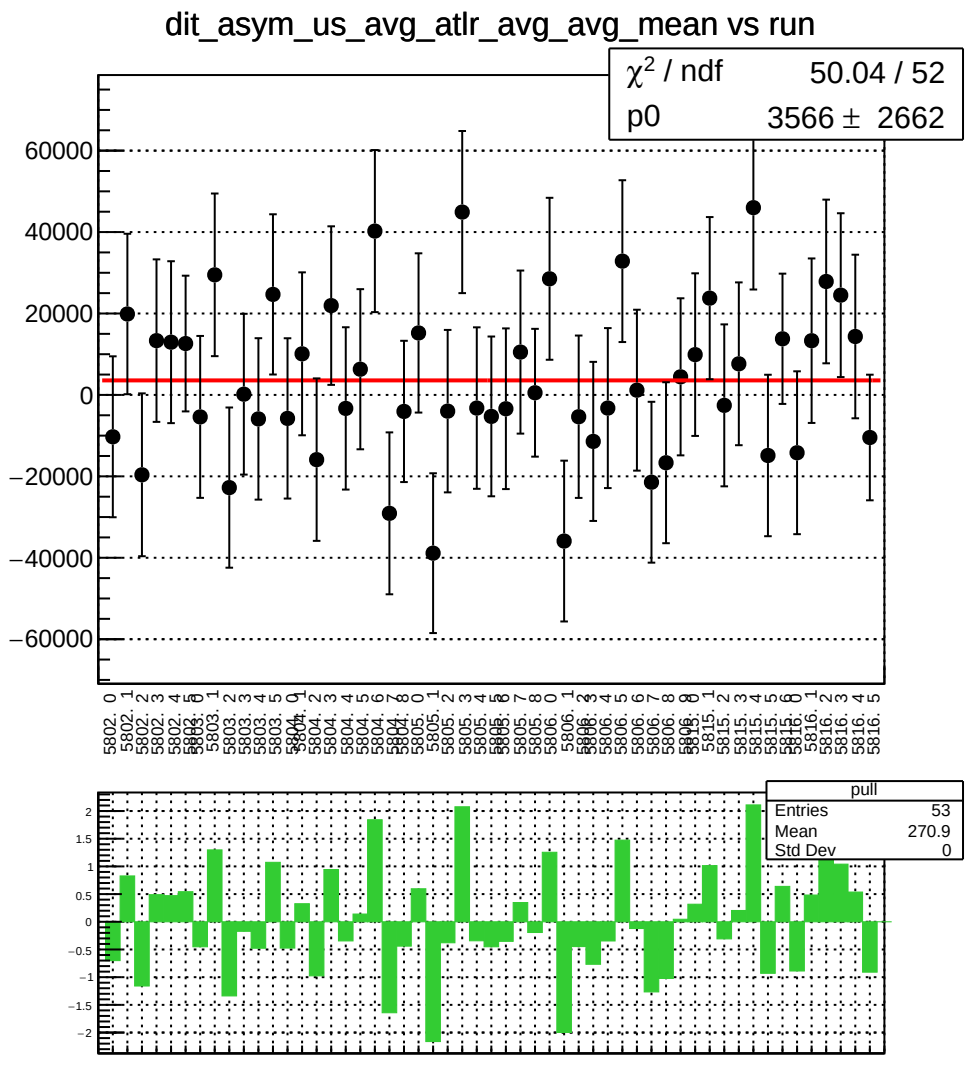

pull1D
Entries 53
Mean 0.00166
Std Dev 0.9381

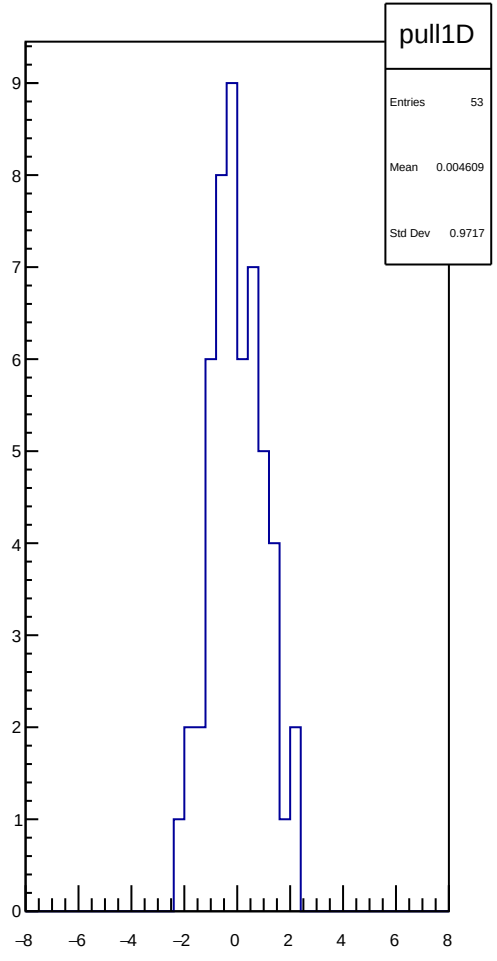

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 60.6 / 52
p0 1868 ± 1.867
1920
1900
1880
1860
1840
1820

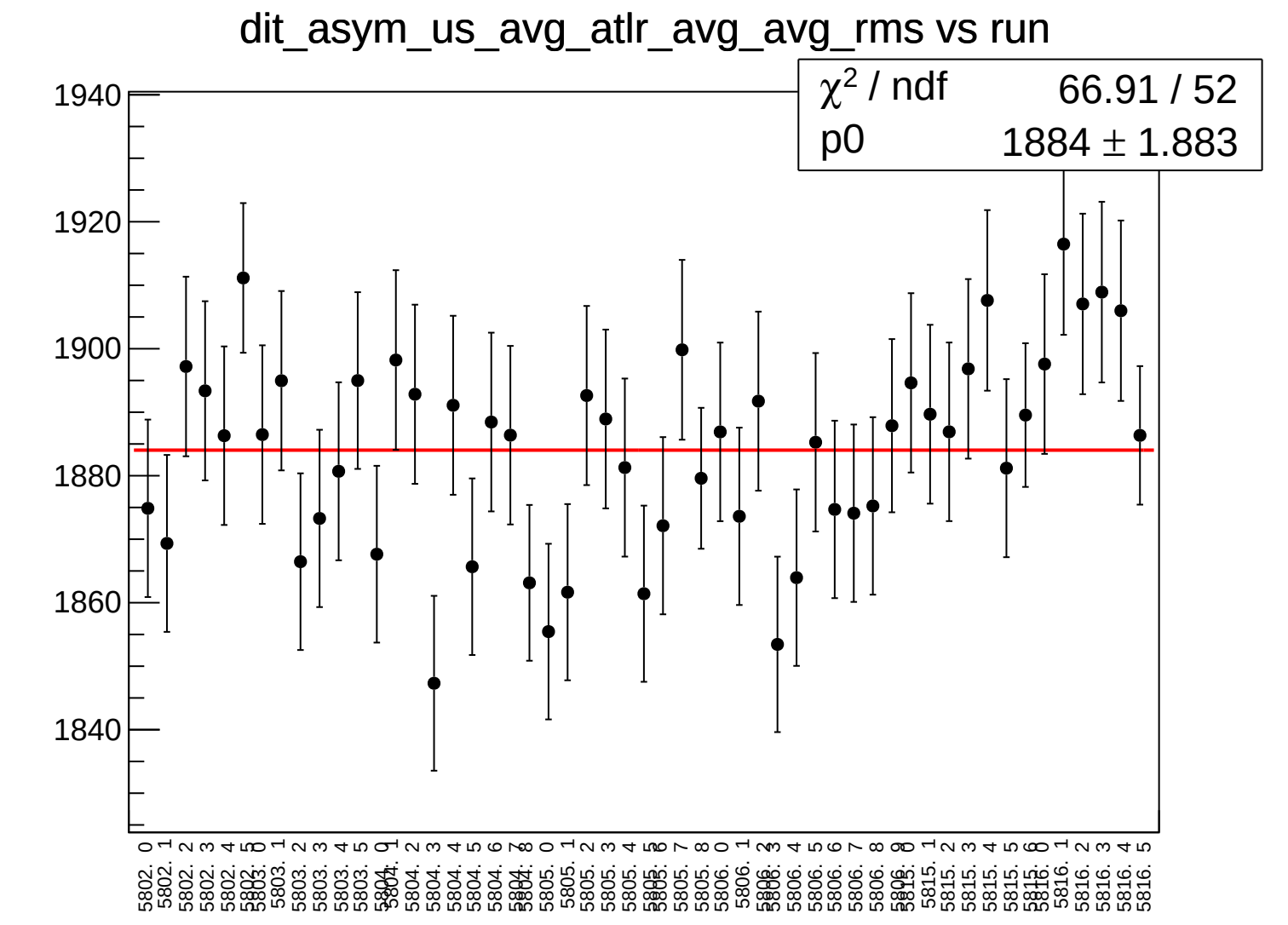

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.87 / 52
p0 −4000 ± 7564
pull
Entries 53
Mean −53.99
Std Dev 0

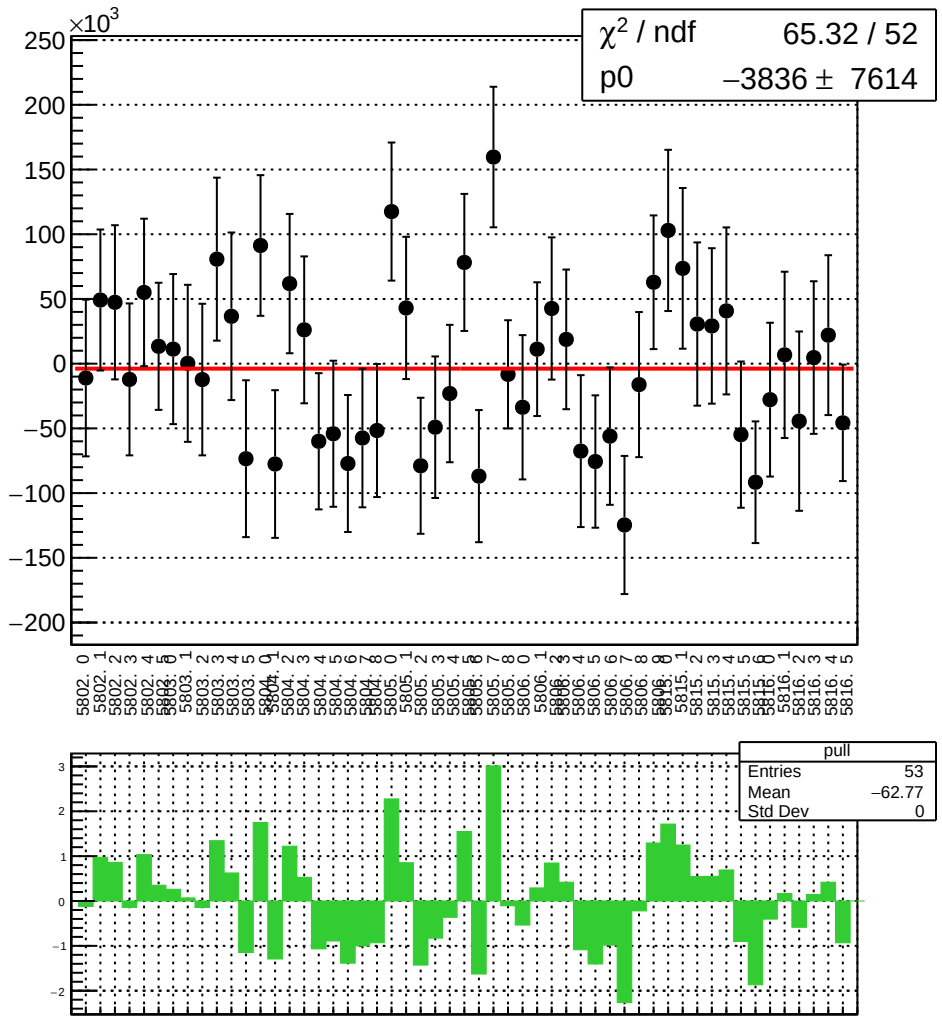

pull1D
Entries 53
Mean 0.02777
Std Dev 1.114

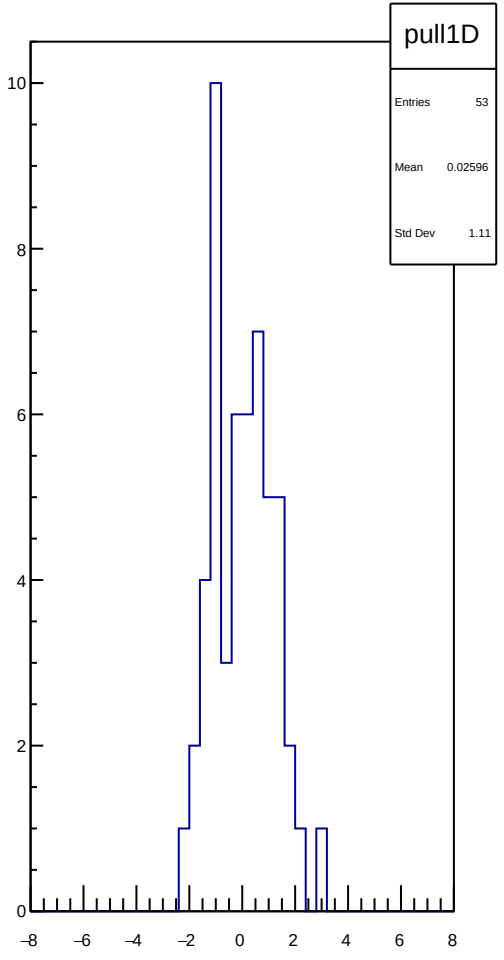

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3894 / 52
p0 5342 ± 5.348
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

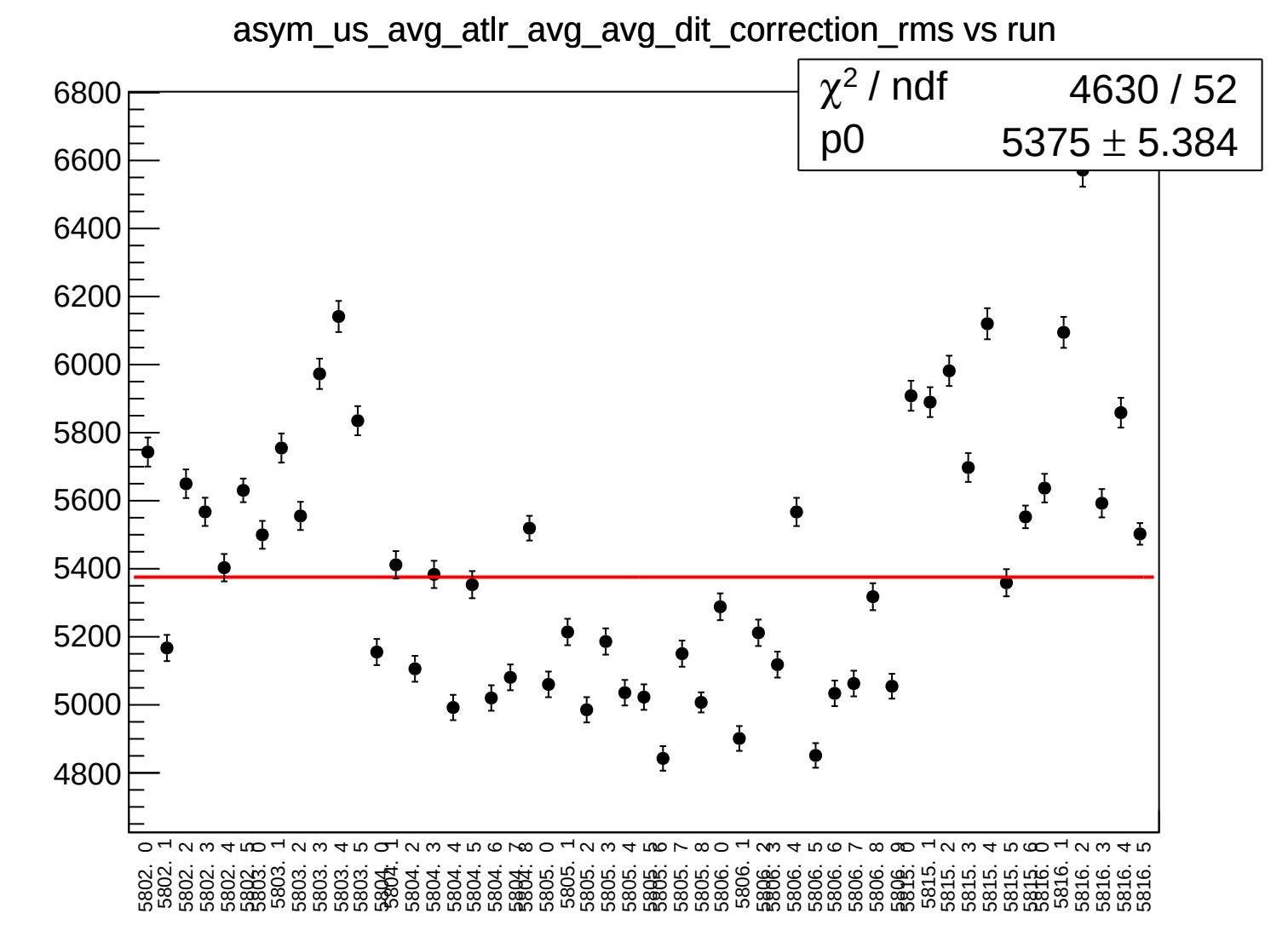

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 50.04 / 52
p0 3566 ± 2662
pull
Entries 53
Mean 270.9
Std Dev 0

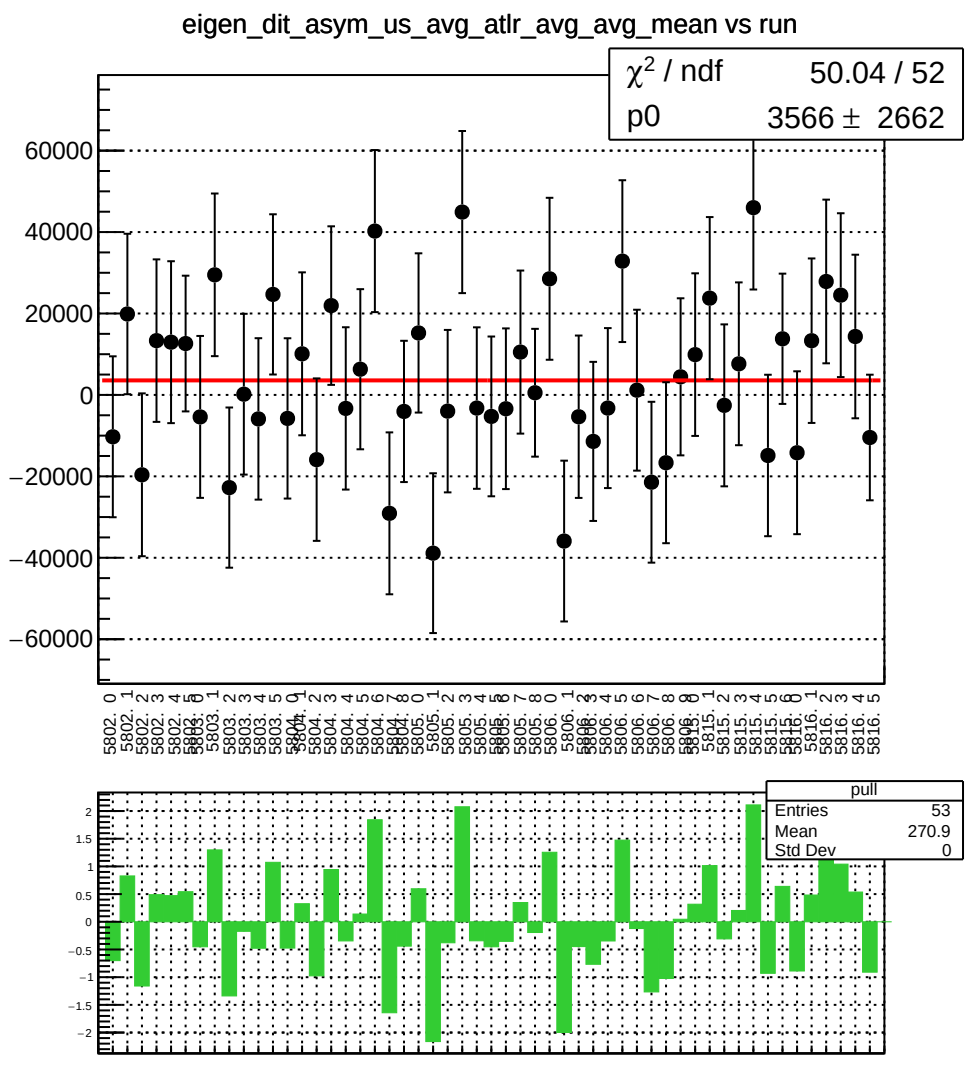

pull1D
Entries 53
Mean 0.004609
Std Dev 0.9717

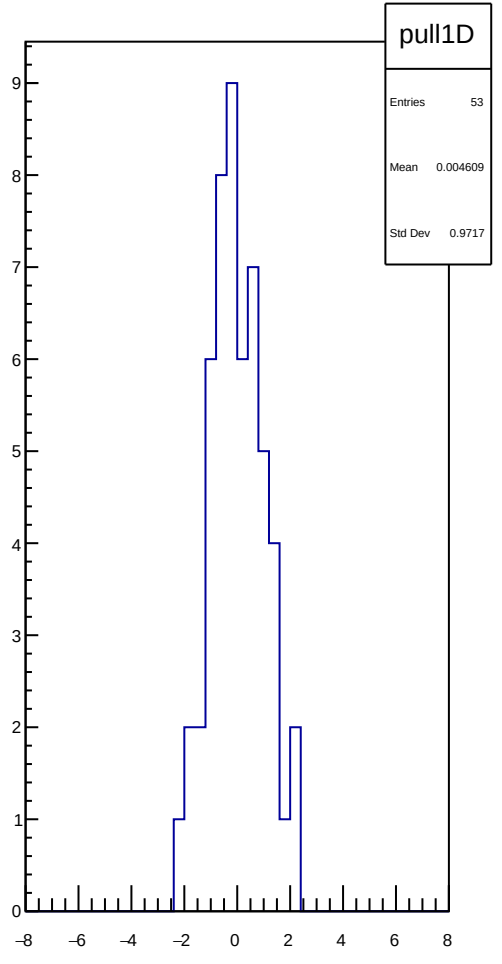

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 66.91 / 52
p0 1884 ± 1.883
1940
1920
1900
1880
1860
1840
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5815. 7
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

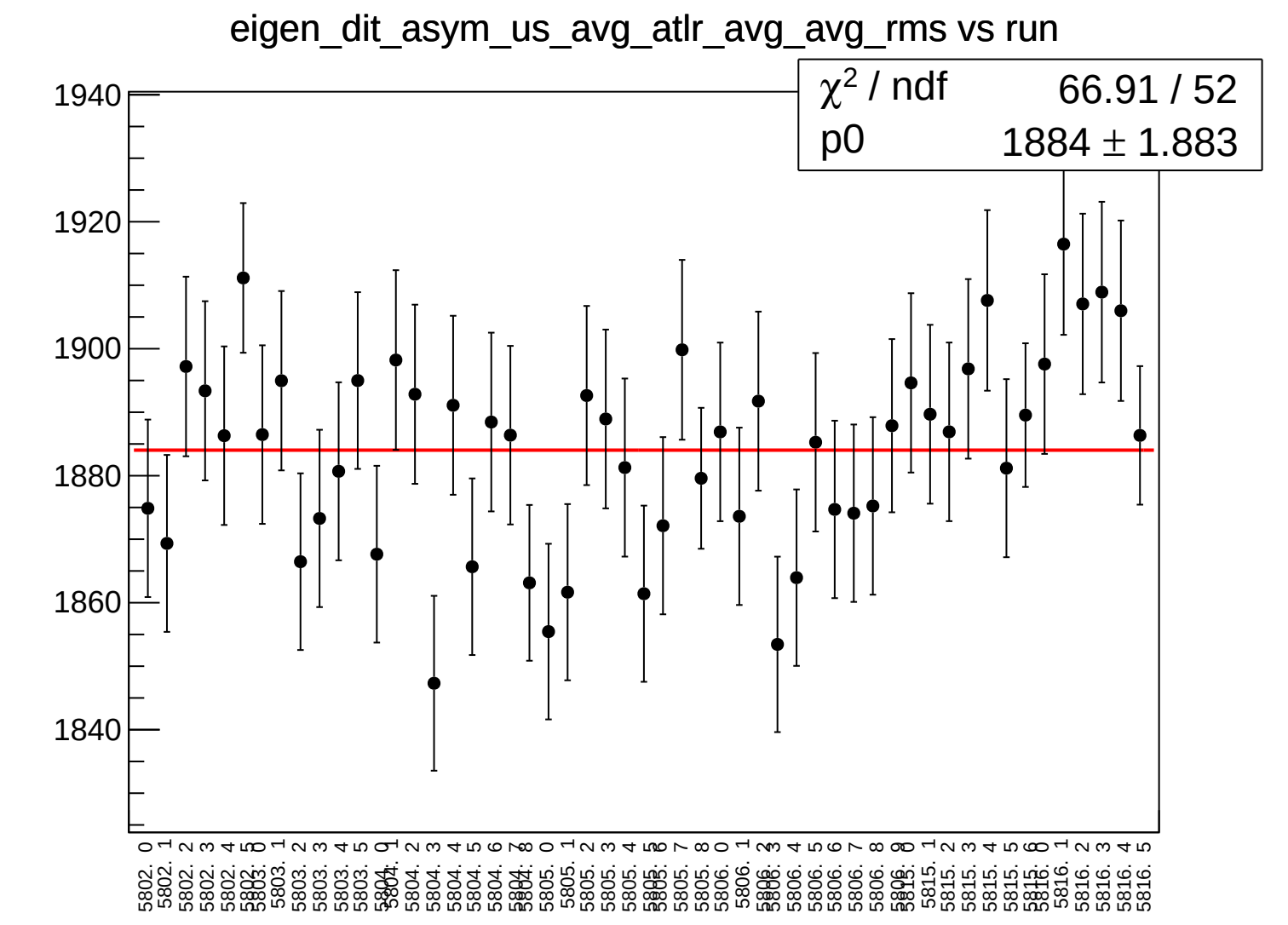

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 65.32 / 52
p0 −3836 ± 7614
pull
Entries 53
Mean −62.77
Std Dev 0

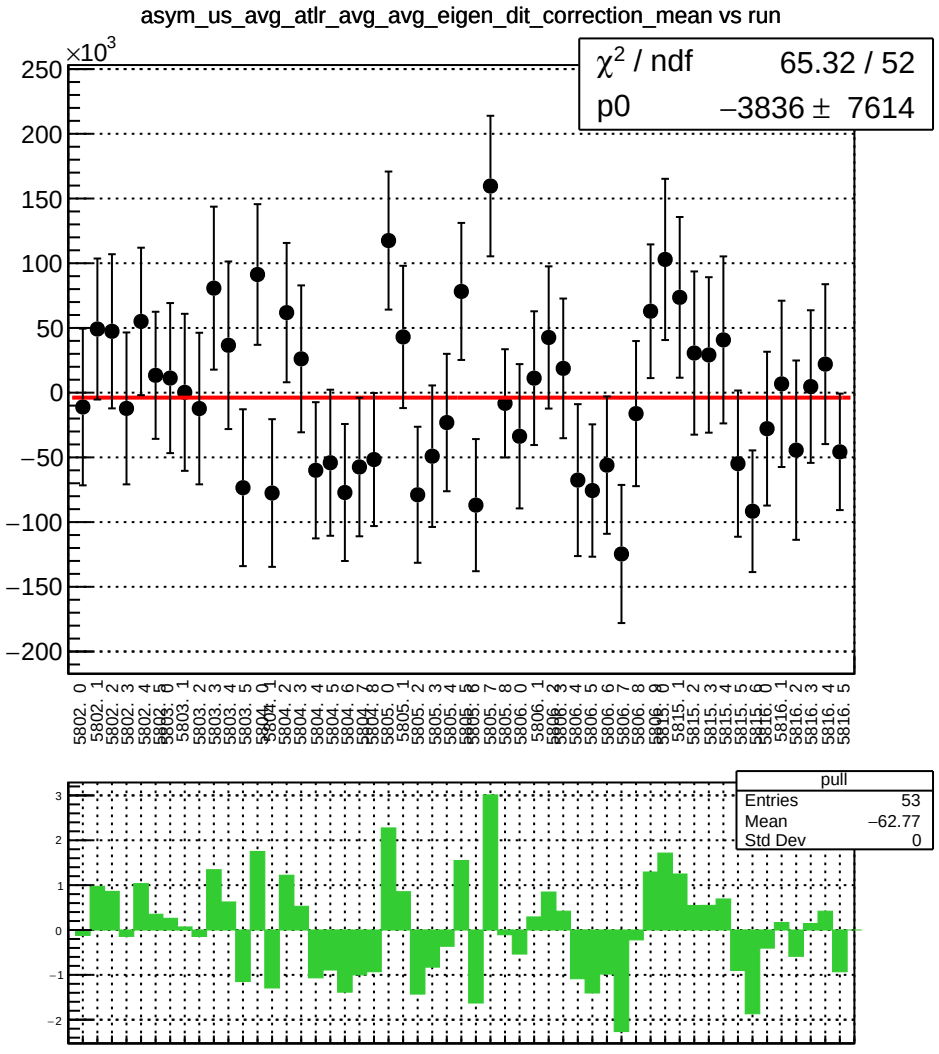

pull1D
Entries 53
Mean 0.02596
Std Dev 1.11

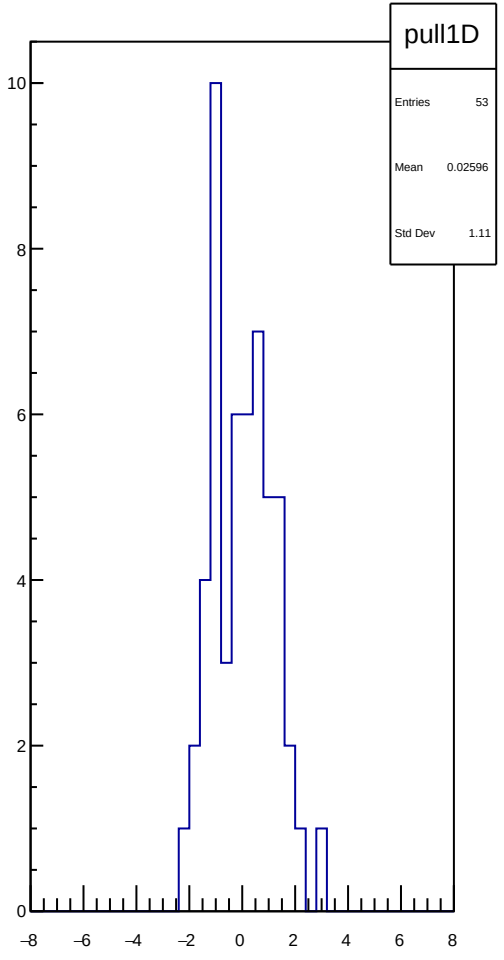

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 4630 / 52
p0 5375 ± 5.384
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

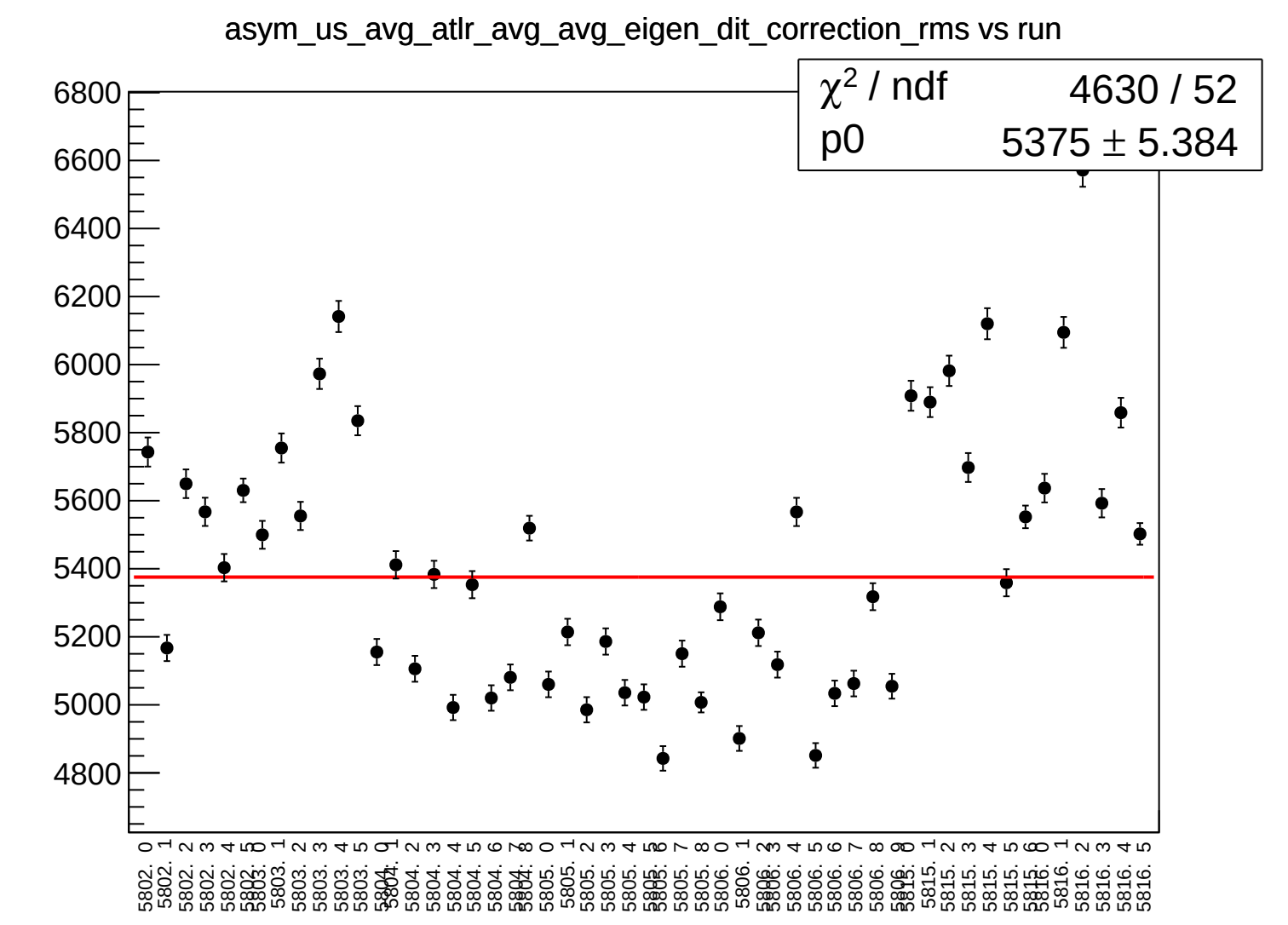

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 50.04 / 52
p0 3566 ± 2662
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 270.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

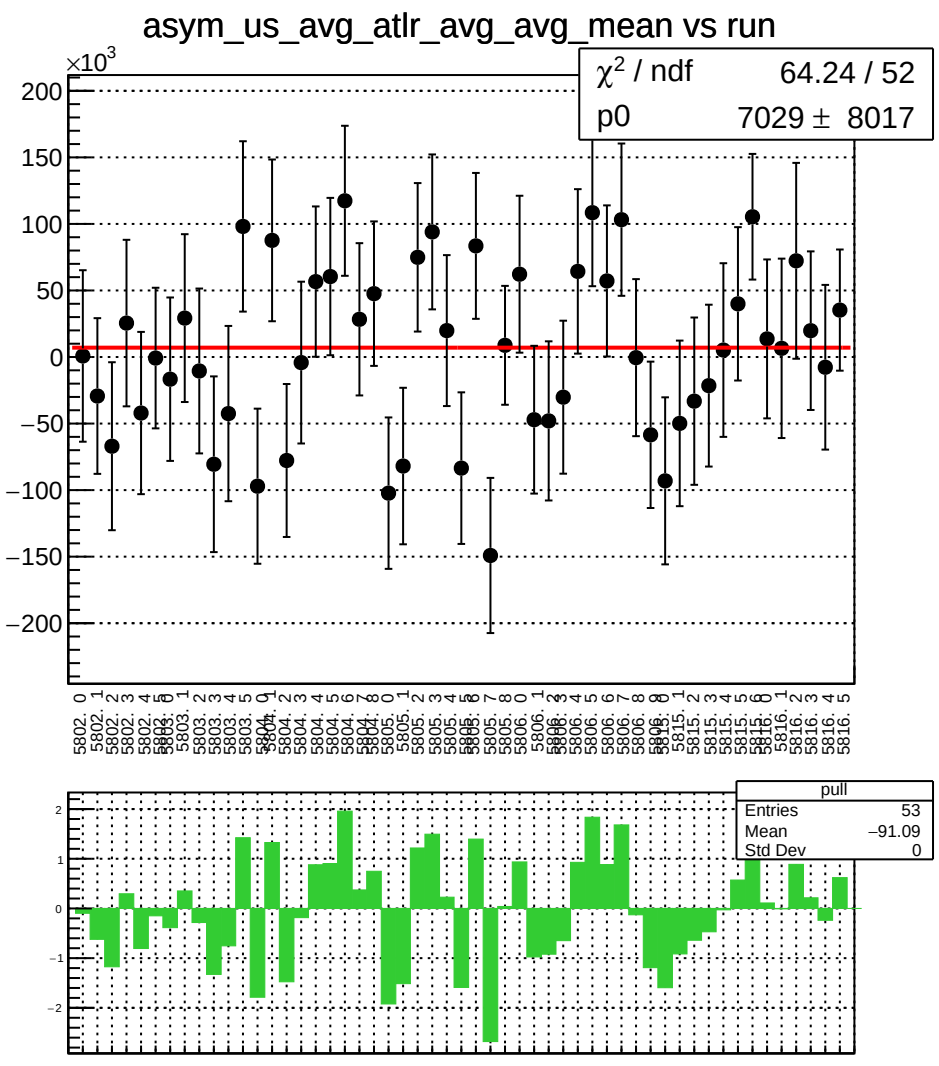

pull1D
Entries 53
Mean 0.004609
Std Dev 0.9717
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

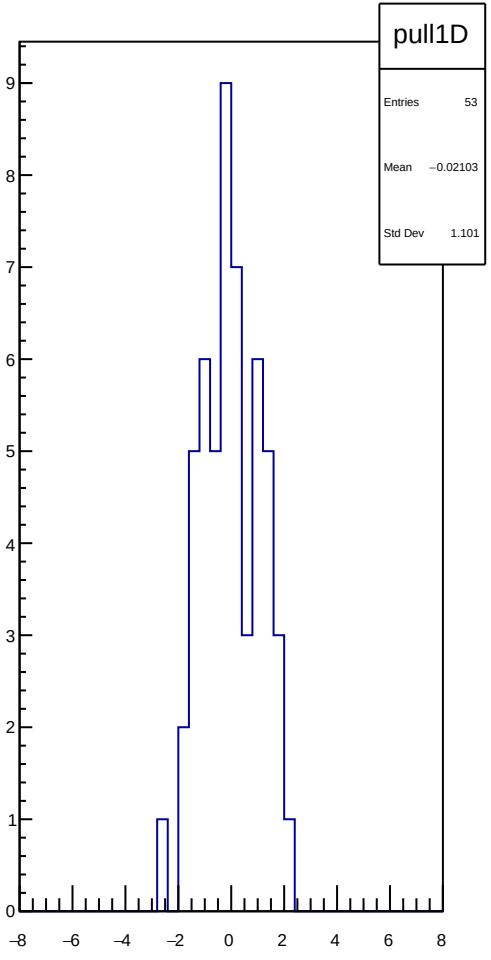

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 66.91 / 52
p0 1884 ± 1.883
1940
1920
1900
1880
1860
1840

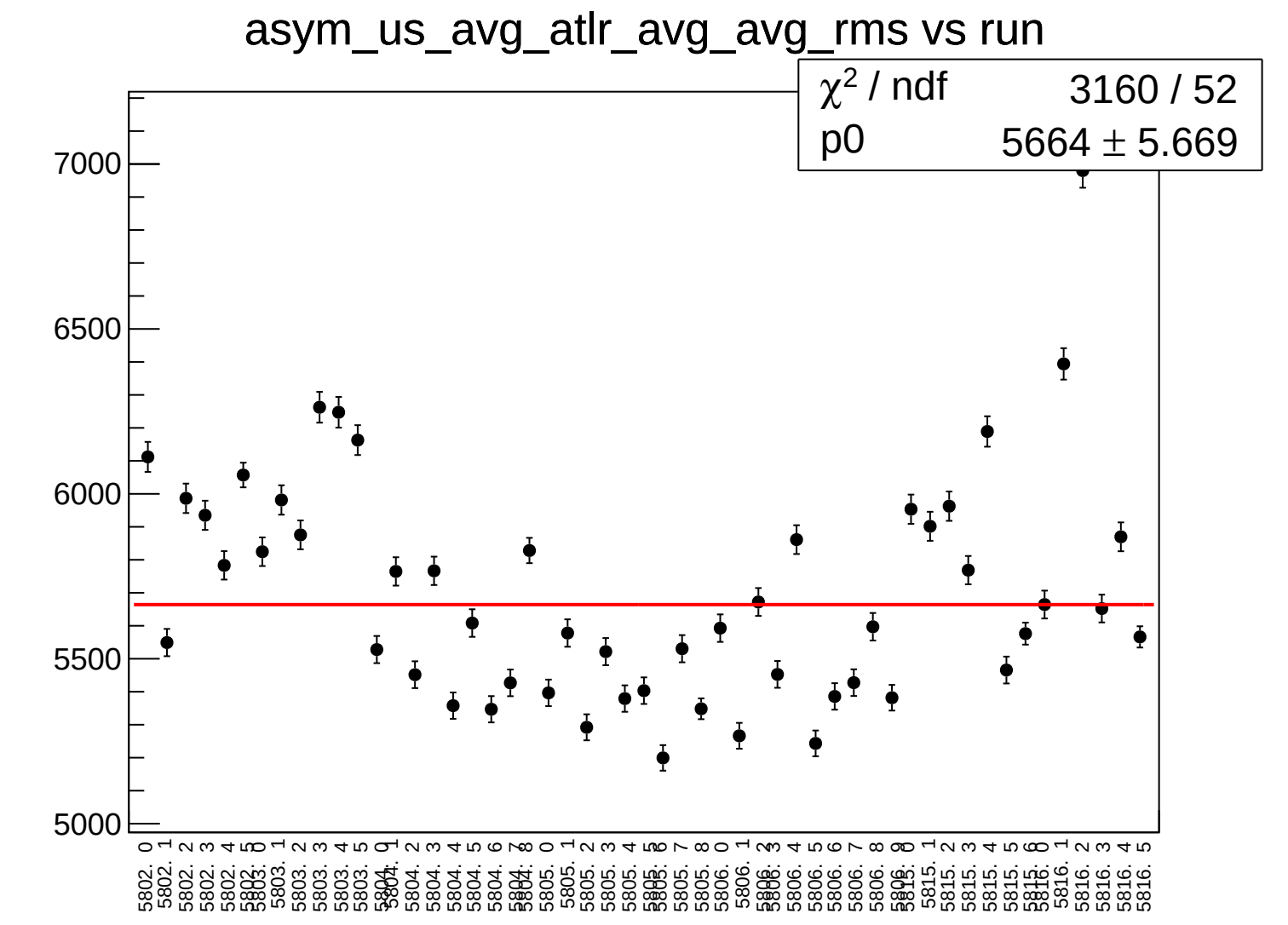

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 65.32 / 52
p0 −3836 ± 7614
pull
Entries 53
Mean −62.77
Std Dev 0

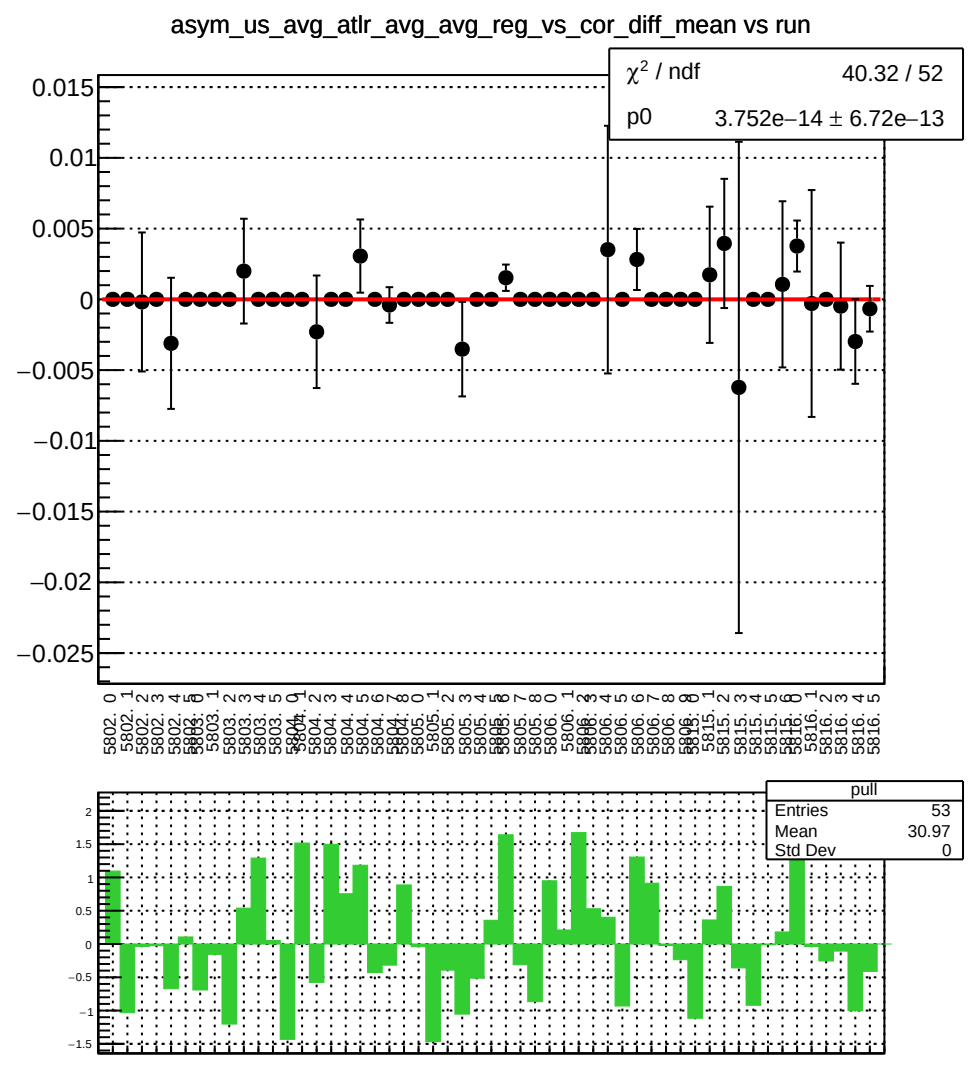

pull1D
Entries 53
Mean 0.02596
Std Dev 1.11

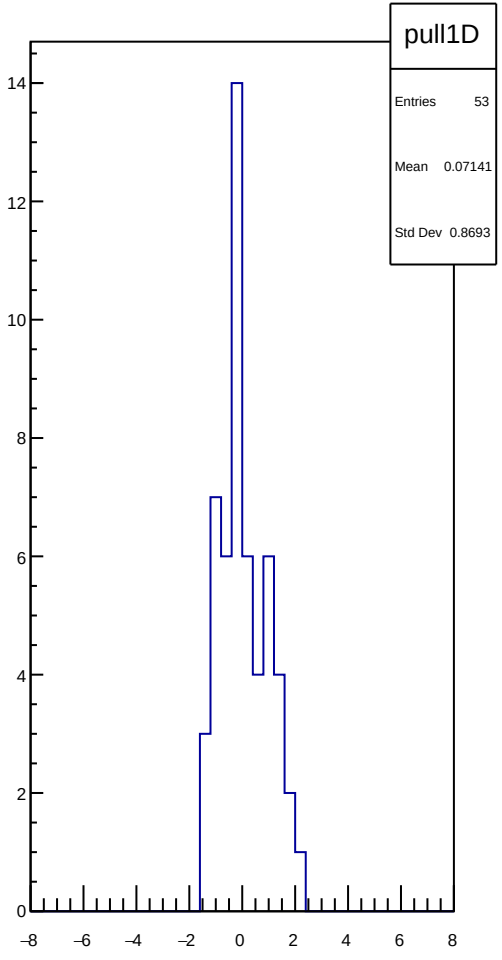

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4630 / 52
p0 5375 ± 5.384
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

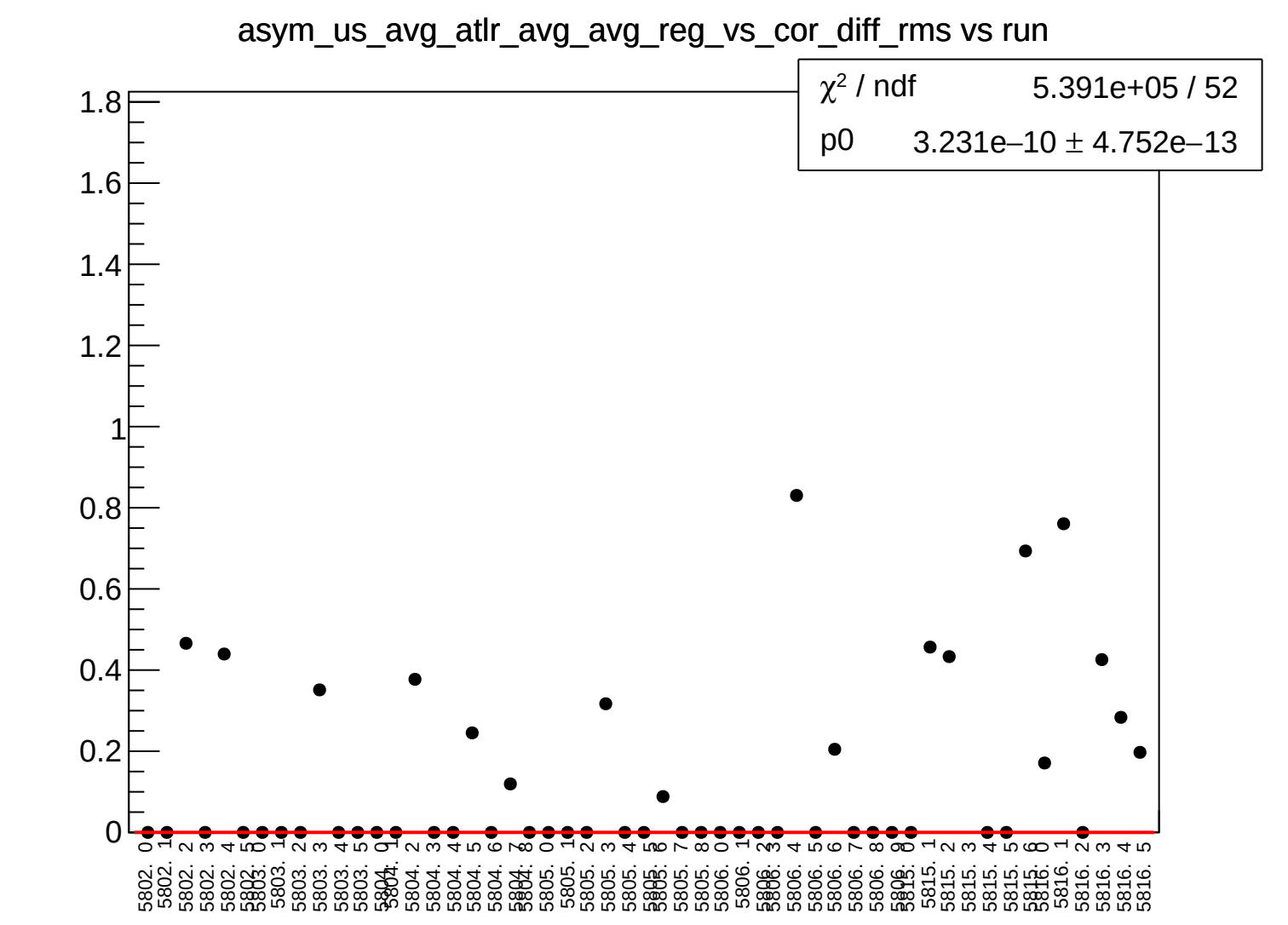

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 64.24 / 52
p0 7029 ± 8017
pull
Entries 53
Mean −91.09
Std Dev 0

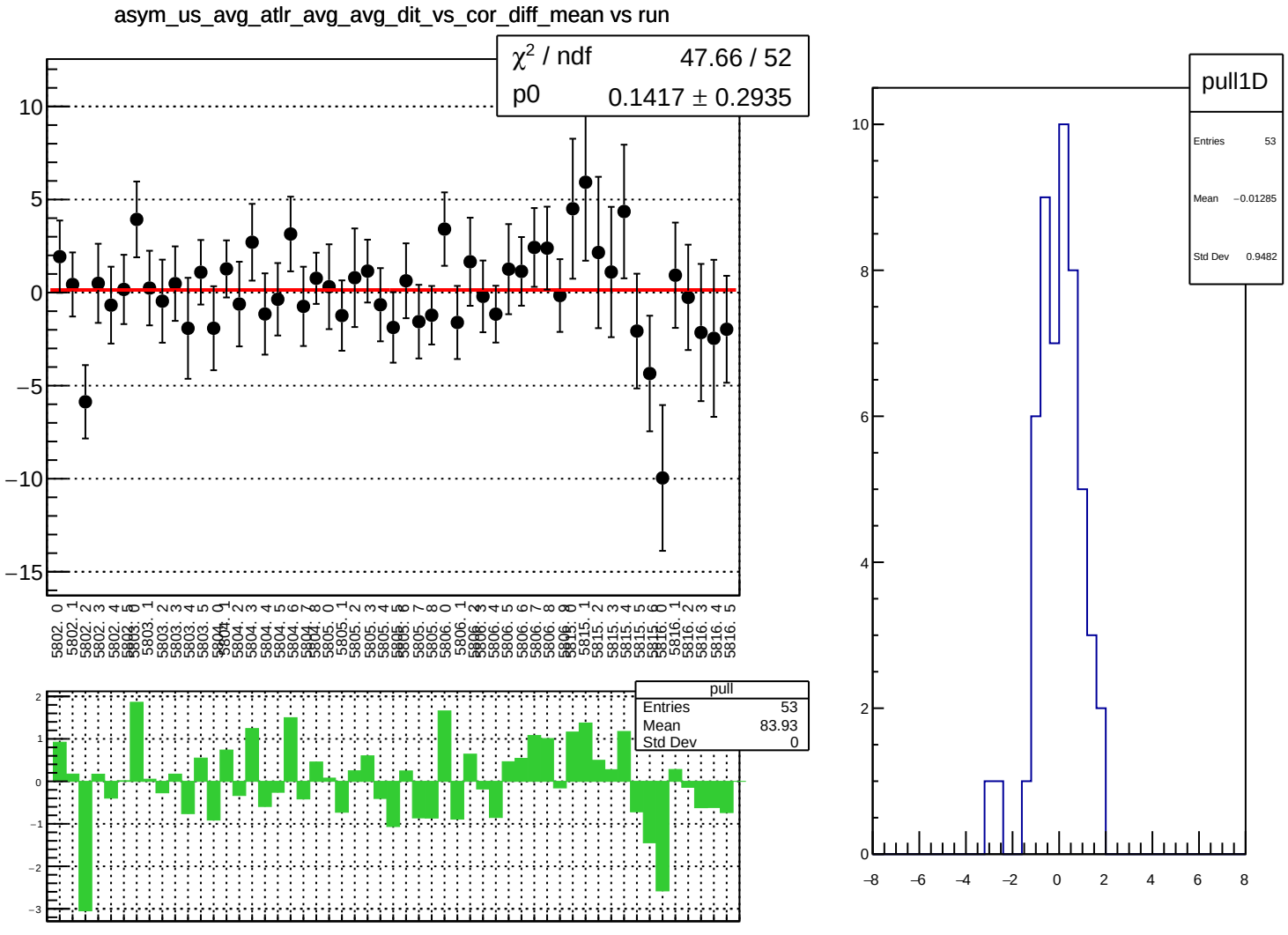

pull1D
Entries 53
Mean −0.02103
Std Dev 1.101

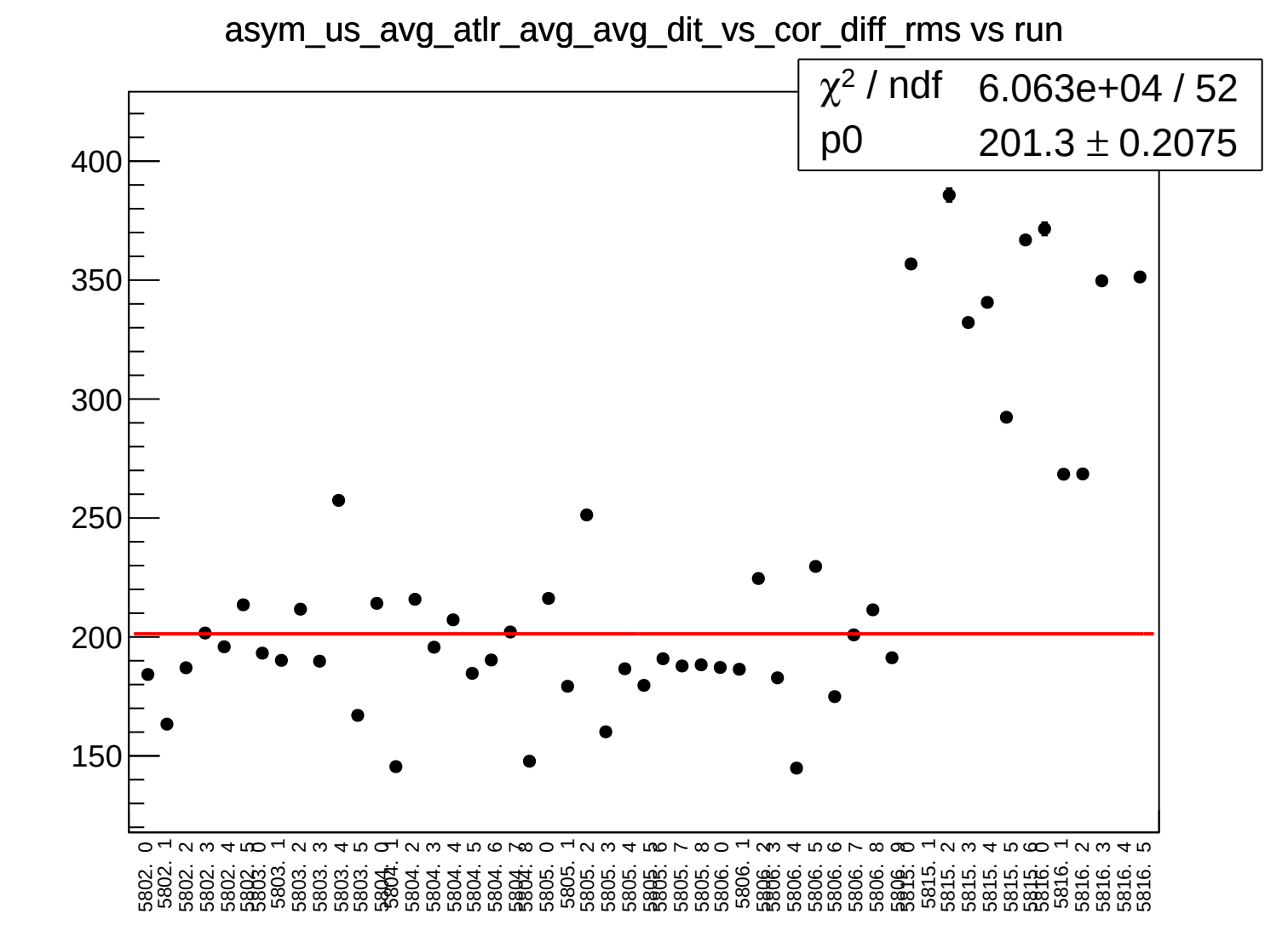

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3160 / 52
p0 5664 ± 5.669
7000
6500
6000
5500
5000

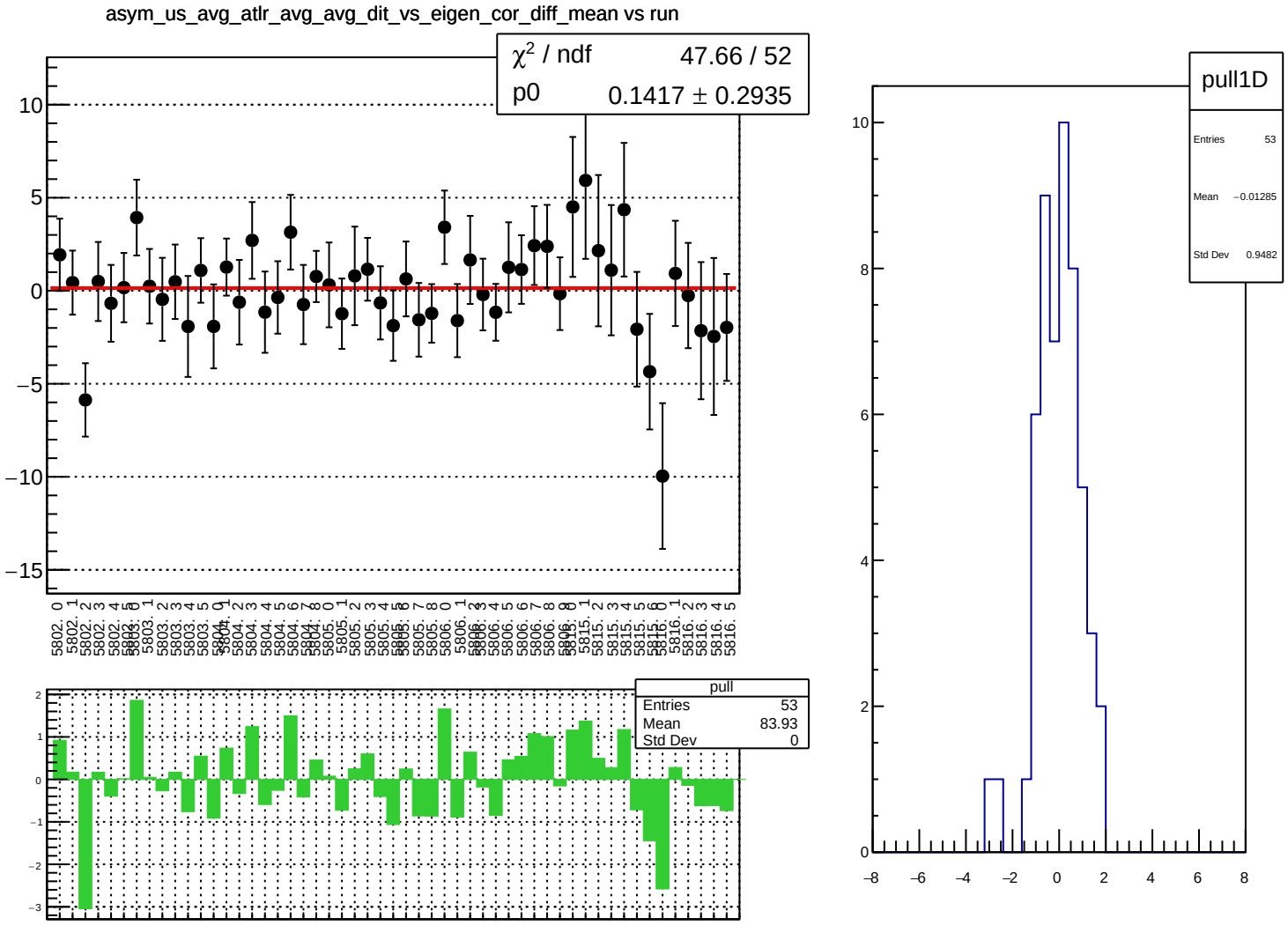

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.32 / 52
p0 3.752e−14 ± 6.72e−13
pull
Entries 53
Mean 30.97
Std Dev 0

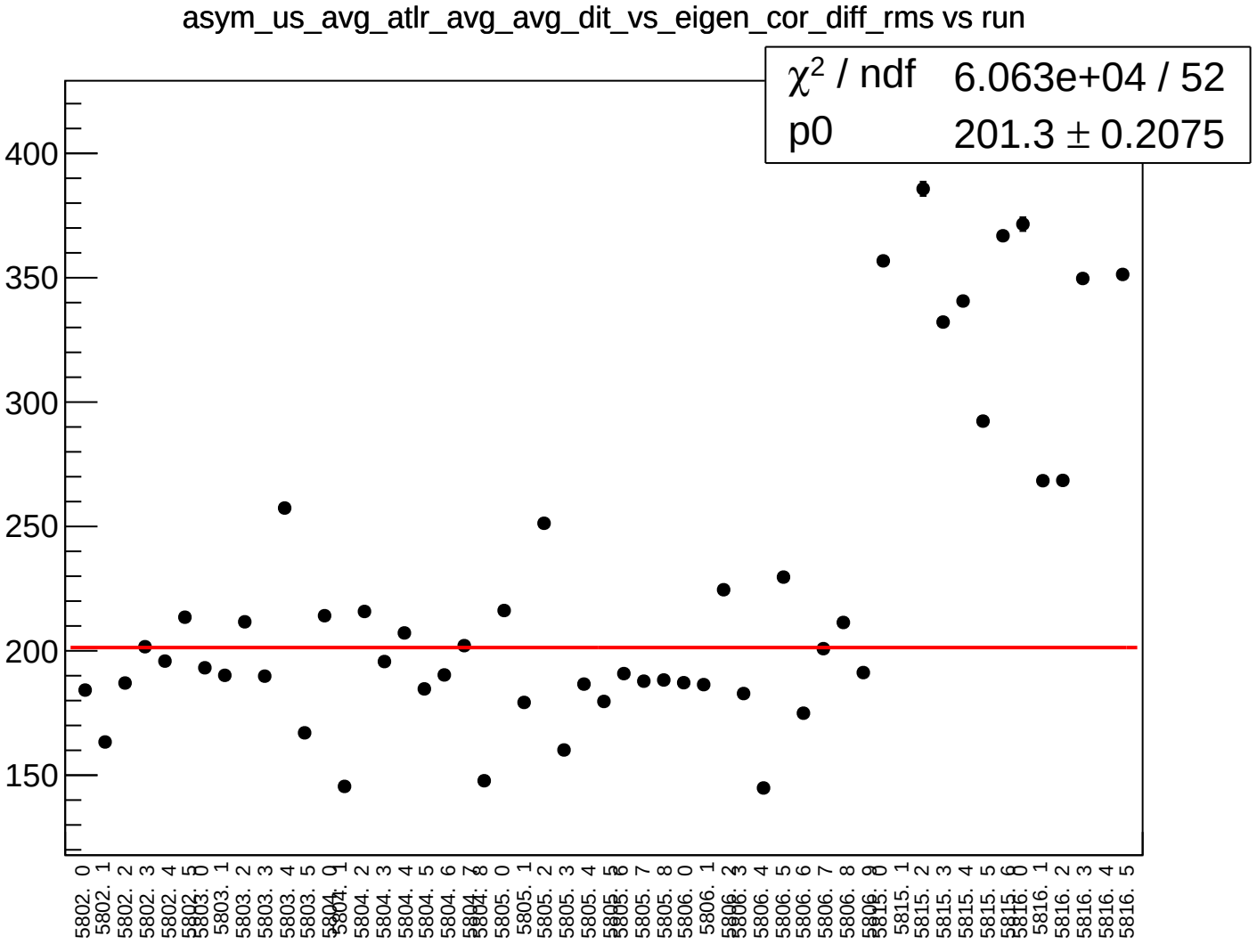

pull1D
Entries 53
Mean 0.07141
Std Dev 0.8693

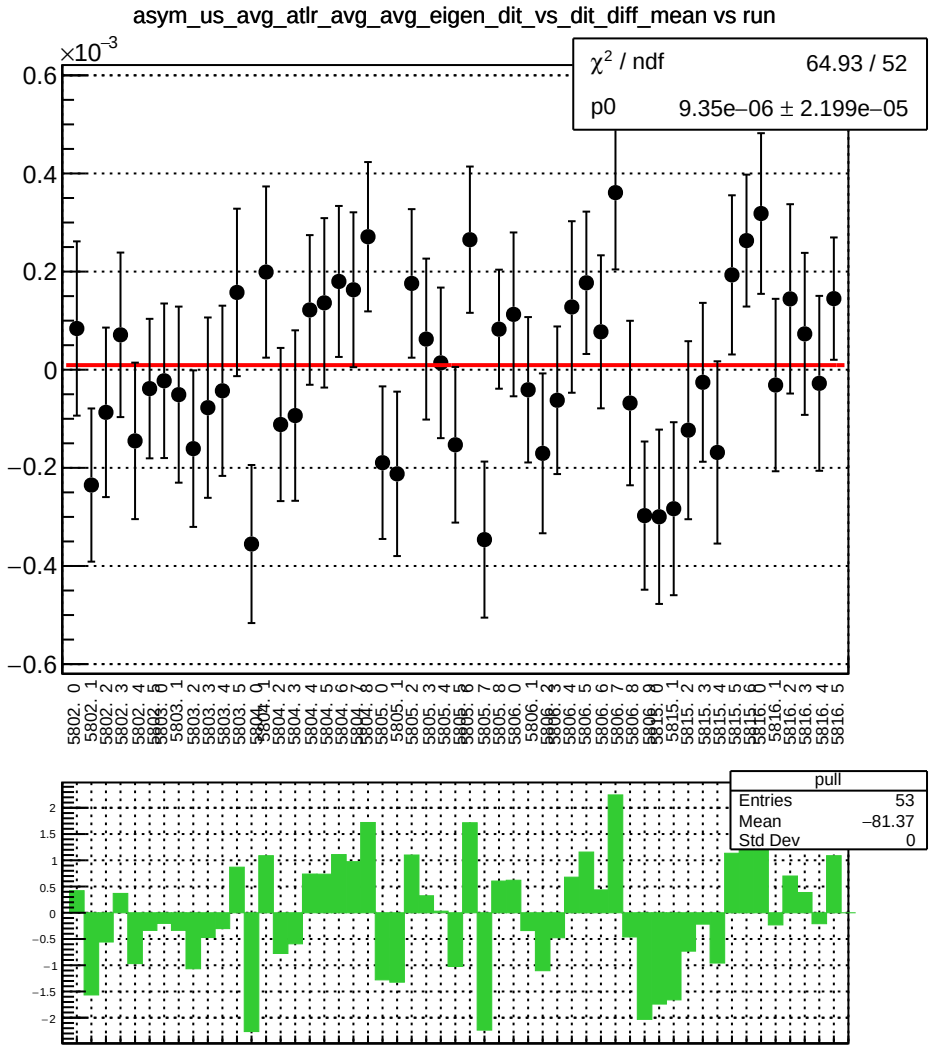

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.391e+05 / 52
p0 3.231e−10 ± 4.752e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

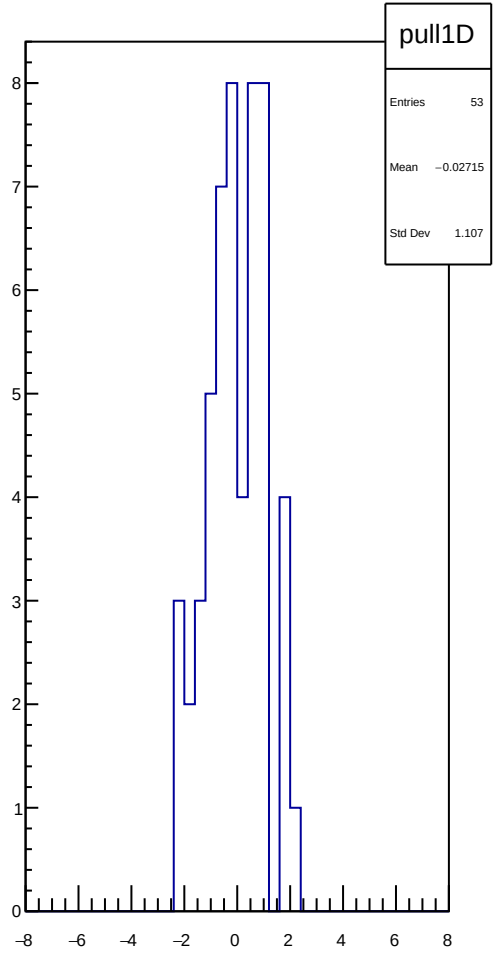

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.66 / 52
p0 0.1417 ± 0.2935
pull
Entries 53
Mean 83.93
Std Dev 0
pull1D
Entries 53
Mean −0.01285
Std Dev 0.9482

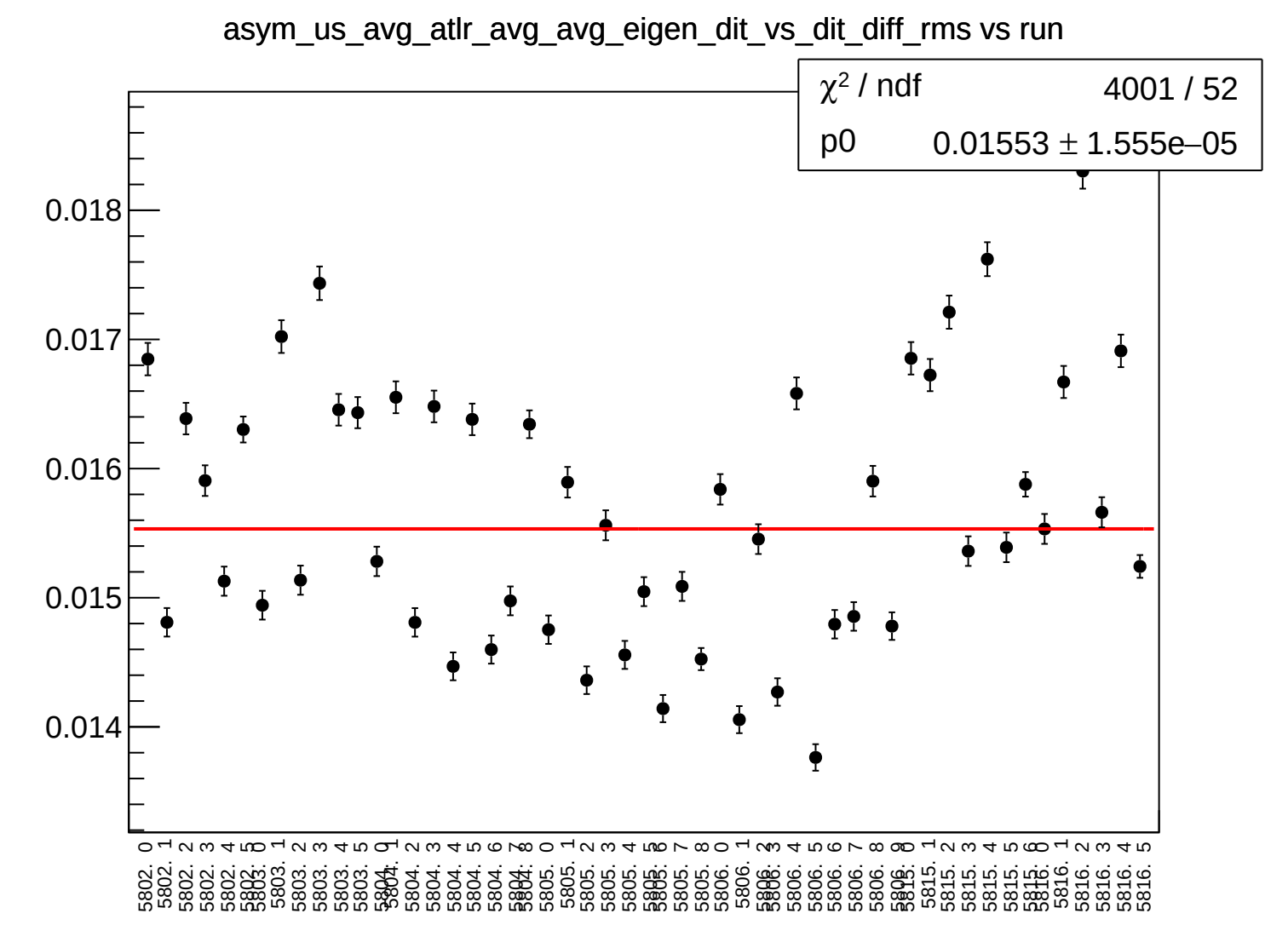

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.063e+04 / 52
p0 201.3 ± 0.2075
400
350
300
250
200
150

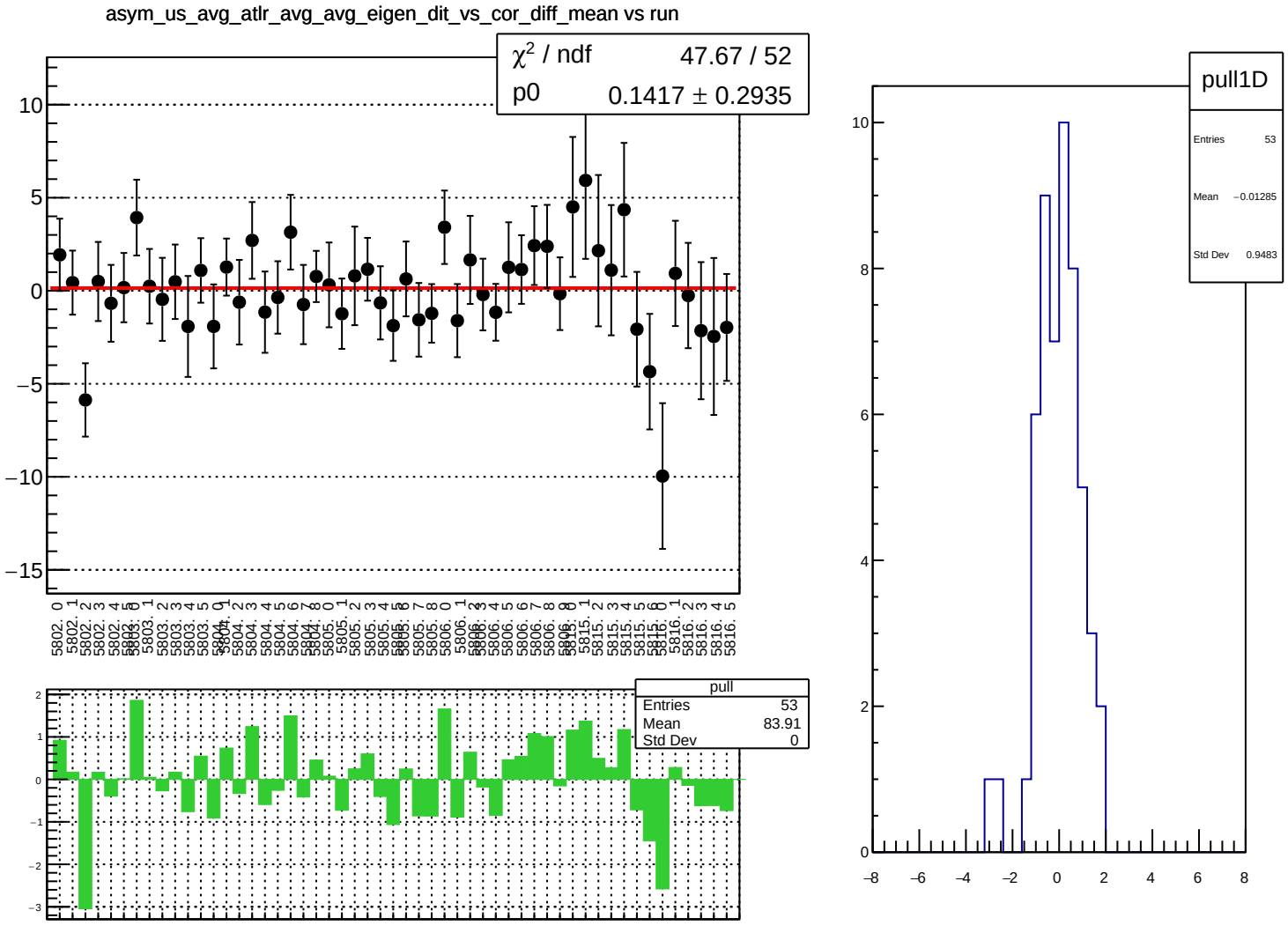

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.66 / 52
p0 0.1417 ± 0.2935
pull
Entries 53
Mean 83.93
Std Dev 0
pull1D
Entries 53
Mean −0.01285
Std Dev 0.9482

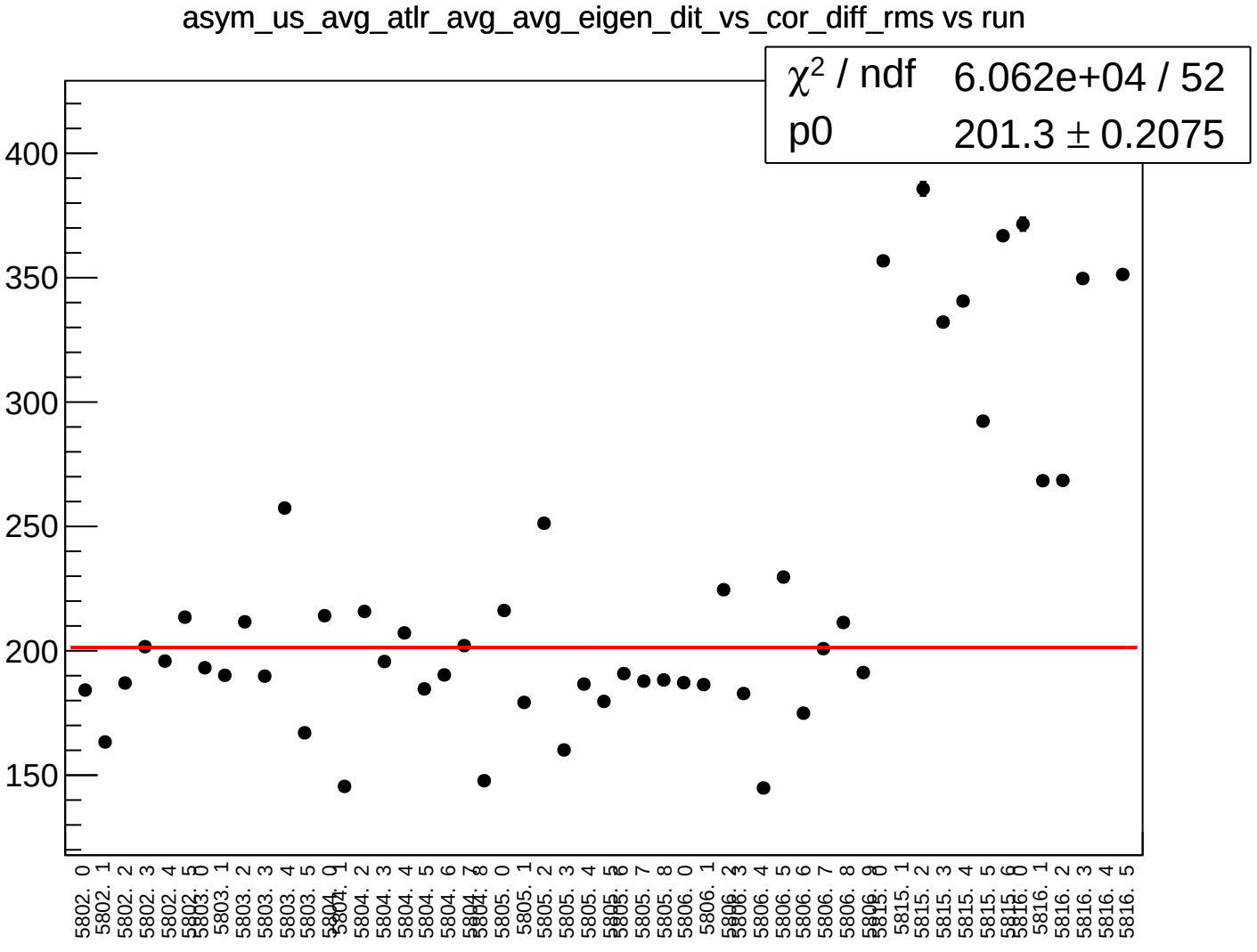

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.063e+04 / 52
p0 201.3 ± 0.2075
400
350
300
250
200
150

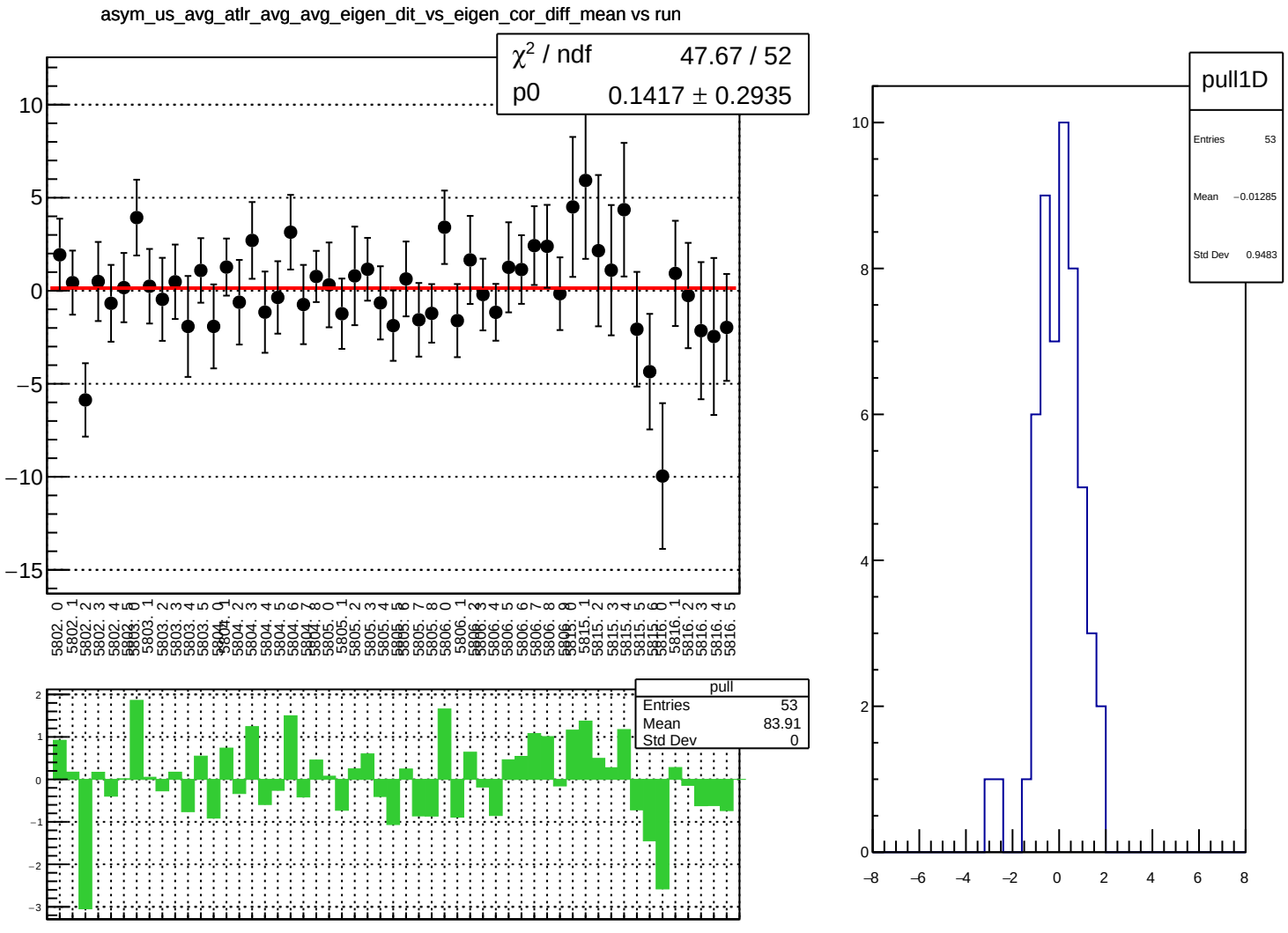

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.93 / 52
p0 9.35e−06 ± 2.199e−05
pull
Entries 53
Mean −81.37
Std Dev 0

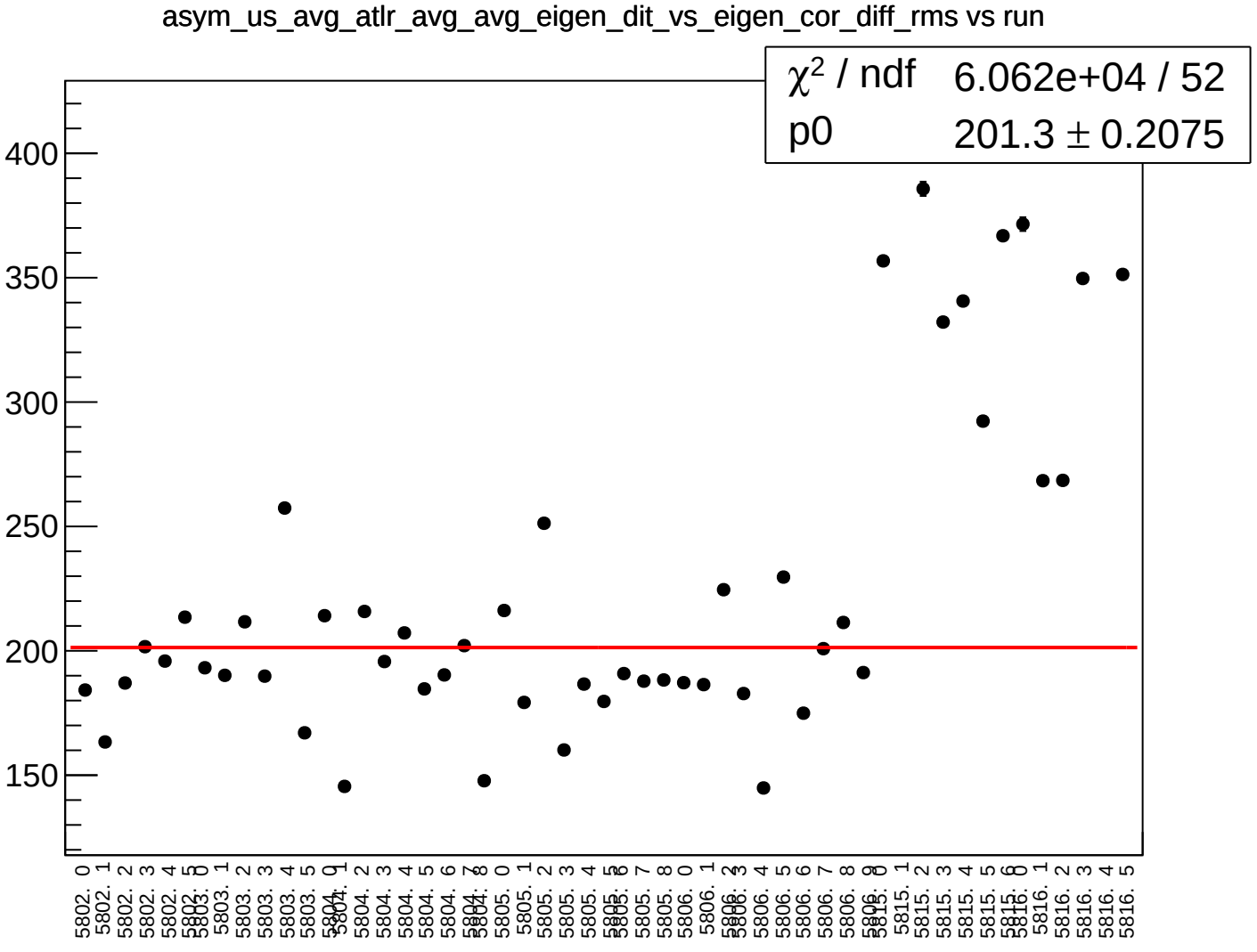

pull1D
Entries 53
Mean −0.02715
Std Dev 1.107

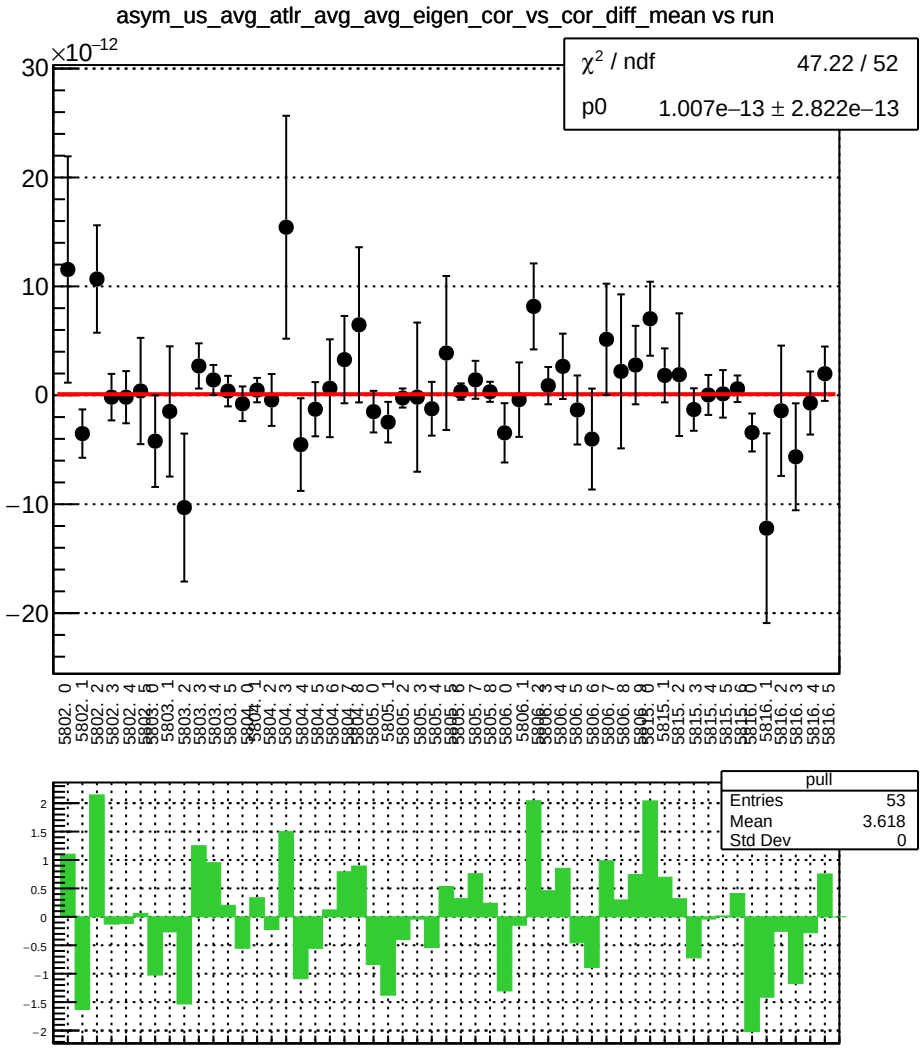

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4001 / 52
p0 0.01553 ± 1.555e−05
0.018
0.017
0.016
0.015
0.014

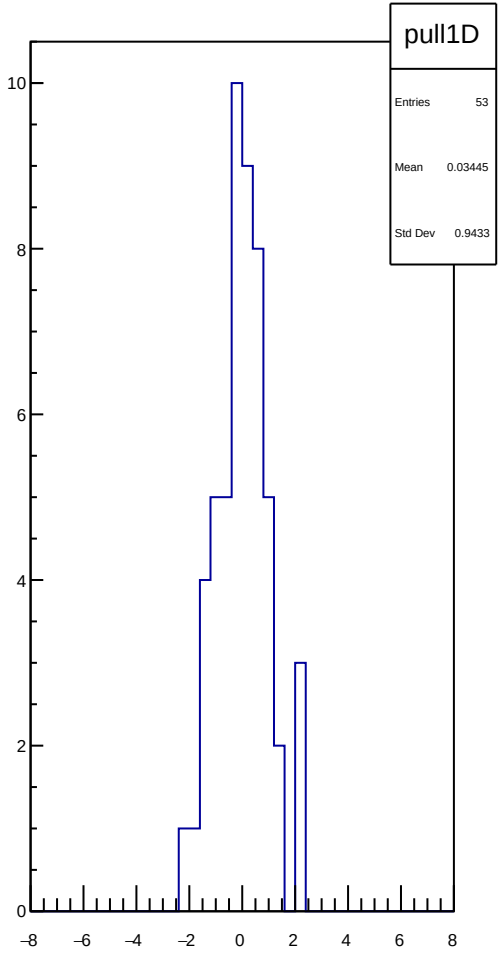

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.67 / 52
p0 0.1417 ± 0.2935
pull
Entries 53
Mean 83.91
Std Dev 0
pull1D
Entries 53
Mean −0.01285
Std Dev 0.9483

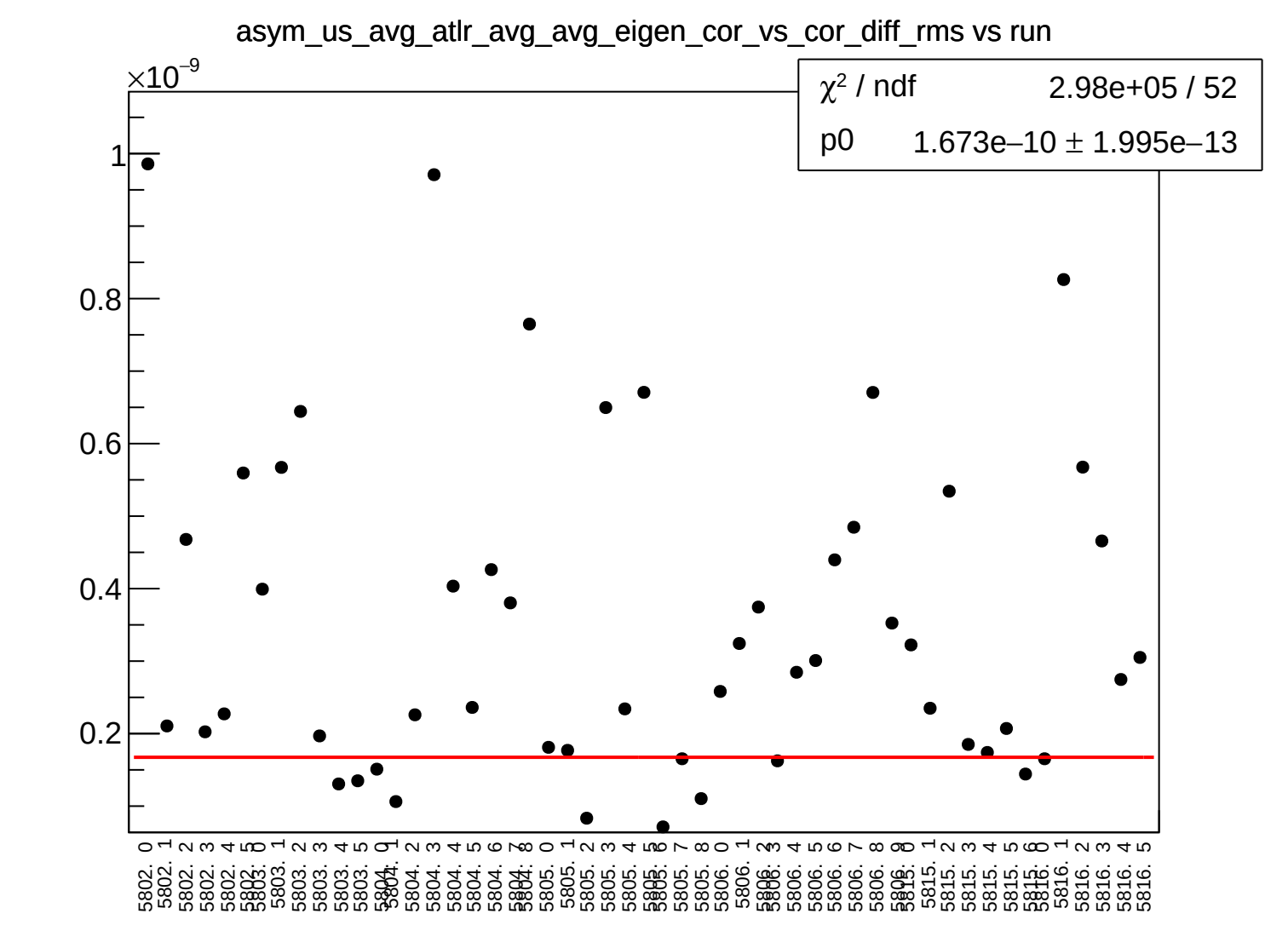

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.062e+04 / 52
p0 201.3 ± 0.2075
400
350
300
250
200
150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

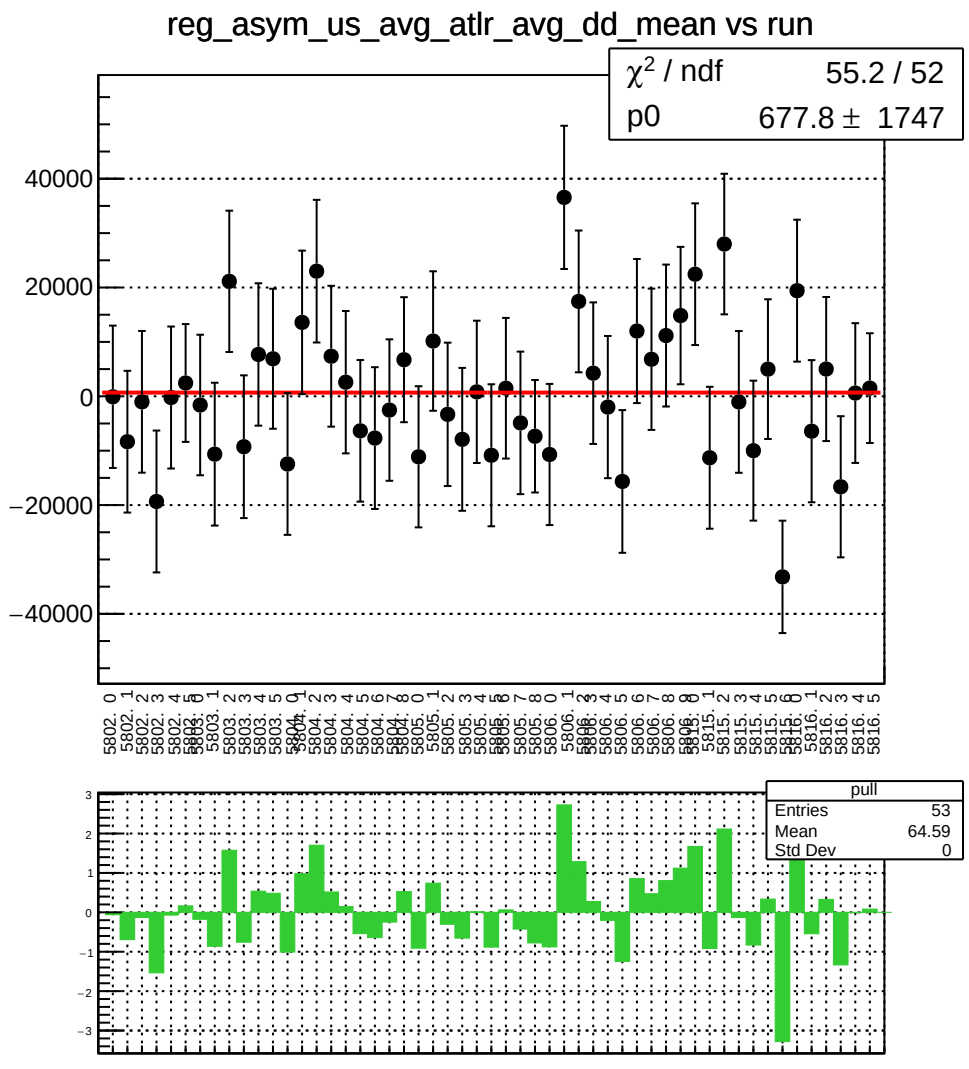

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.67 / 52
p0 0.1417 ± 0.2935
pull
Entries 53
Mean 83.91
Std Dev 0
pull1D
Entries 53
Mean −0.01285
Std Dev 0.9483

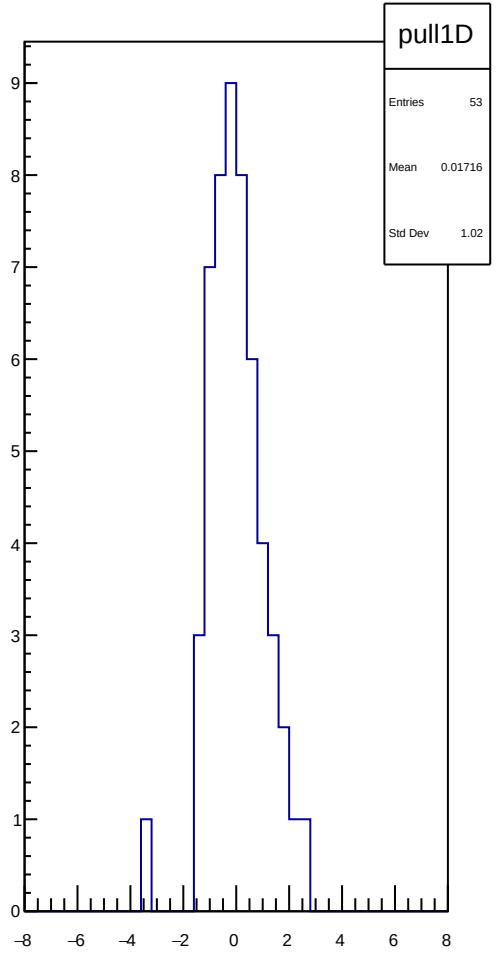

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.062e+04 / 52
p0 201.3 ± 0.2075
400
350
300
250
200
150

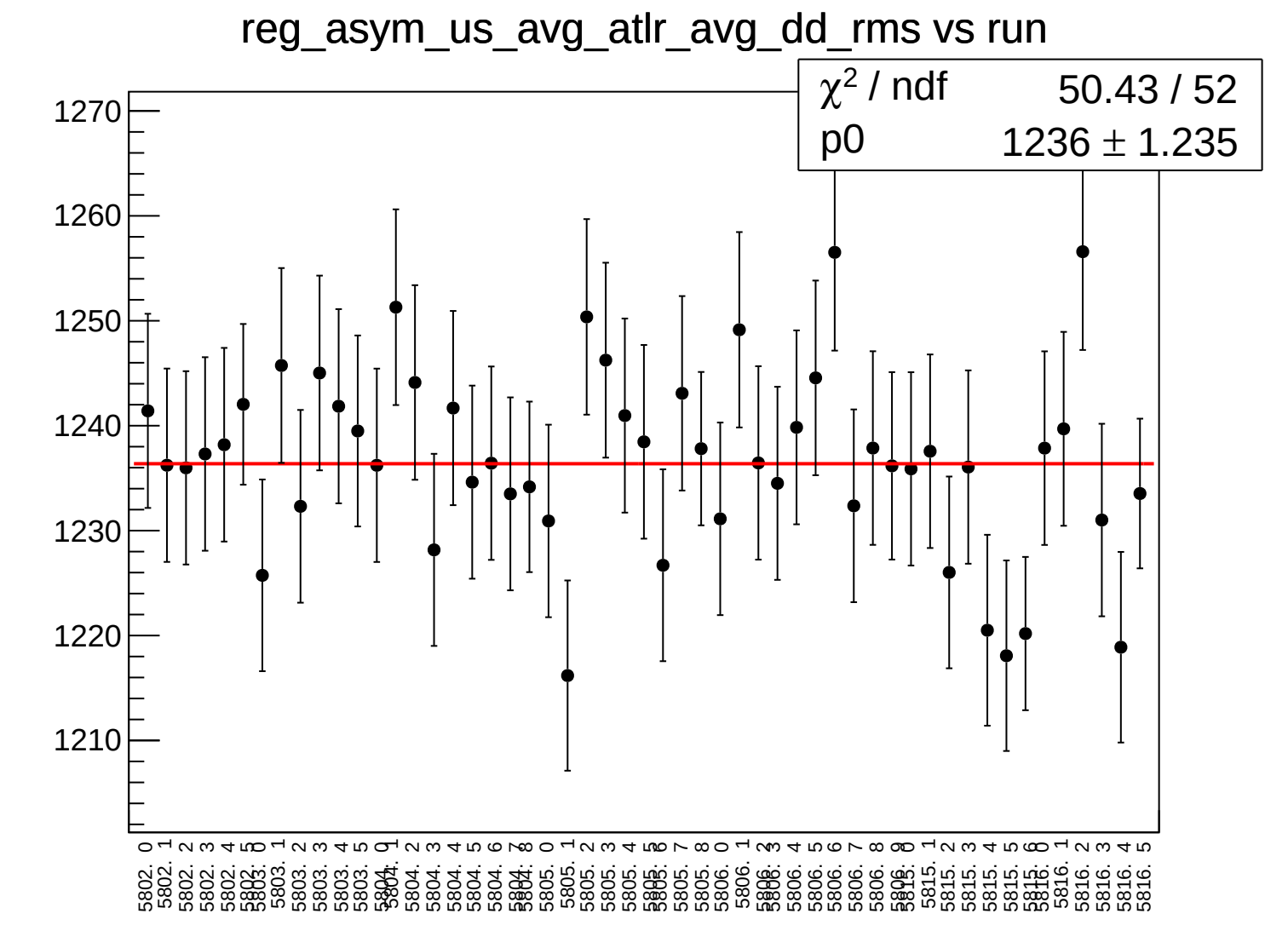

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.22 / 52
p0 1.007e−13 ± 2.822e−13
pull
Entries 53
Mean 3.618
Std Dev 0

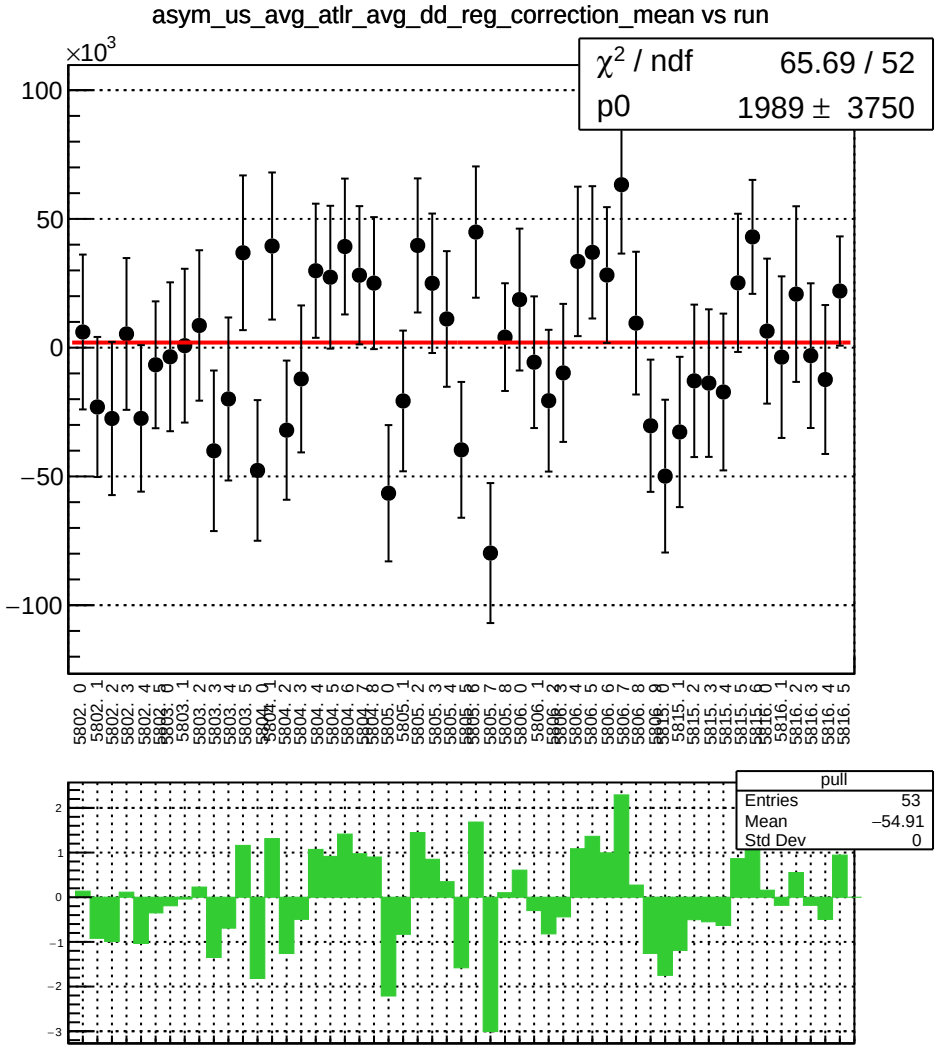

pull1D
Entries 53
Mean 0.03445
Std Dev 0.9433

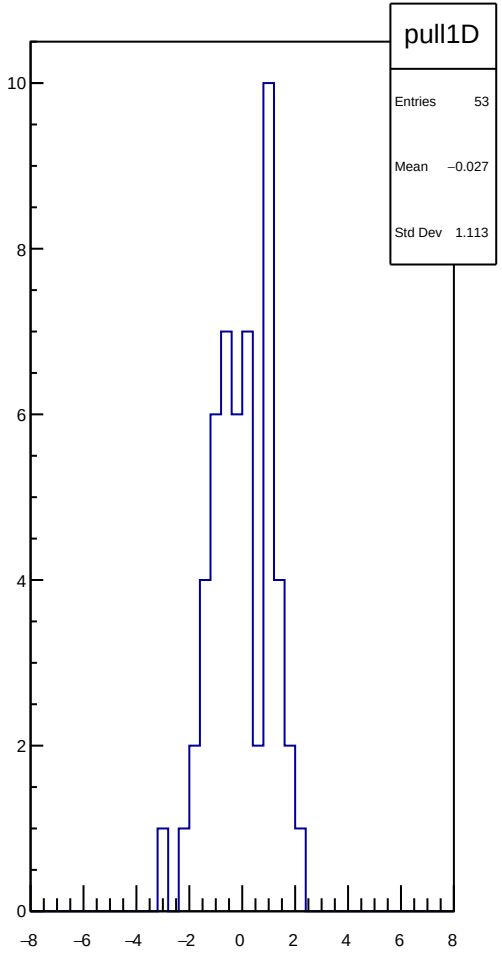

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.98e+05 / 52
p0 1.673e−10 ± 1.995e−13
1
0.8
0.6
0.4
0.2

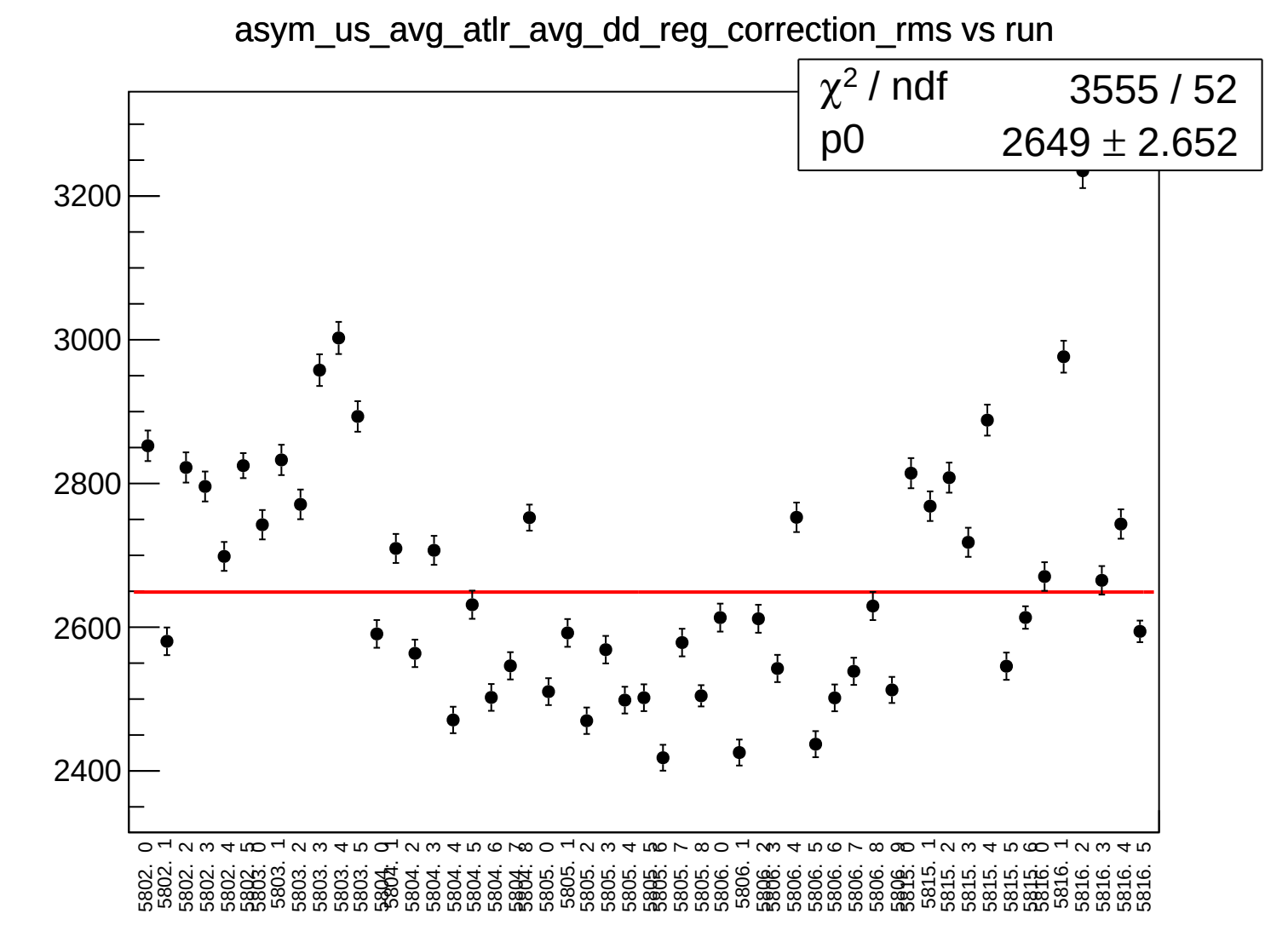

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 55.2 / 52
p0 677.8 ± 1747
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 64.59
Std Dev 0
3
2
1
0
−1
−2
−3

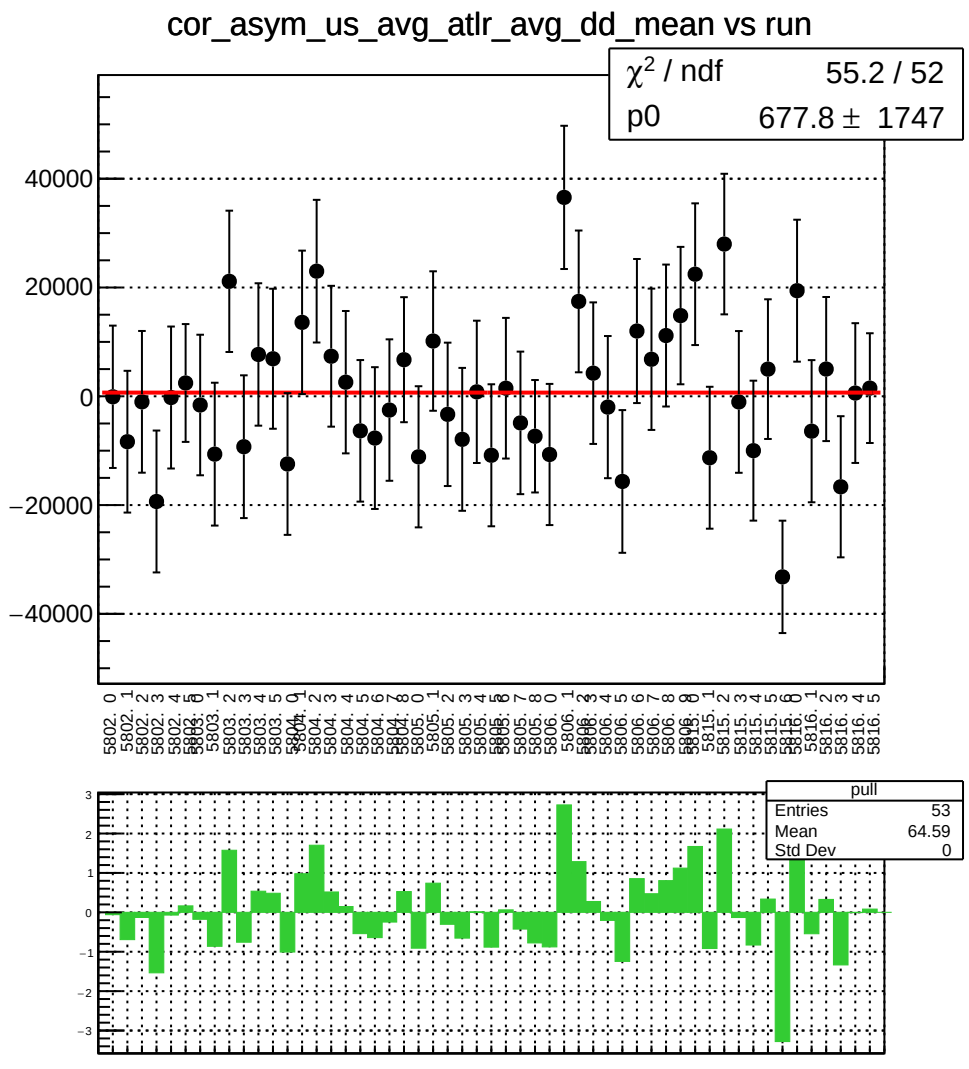

pull1D
Entries 53
Mean 0.01716
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

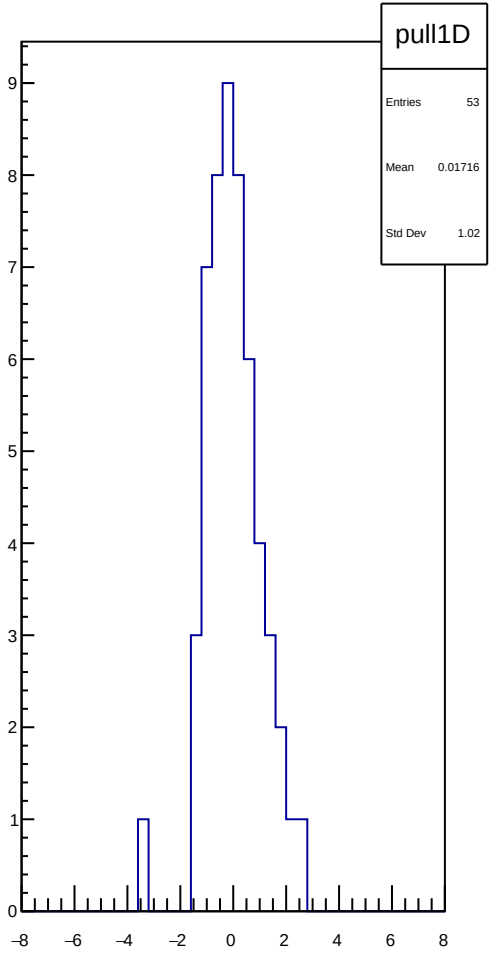

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 50.43 / 52
p0 1236 ± 1.235
1270
1260
1250
1240
1230
1220
1210

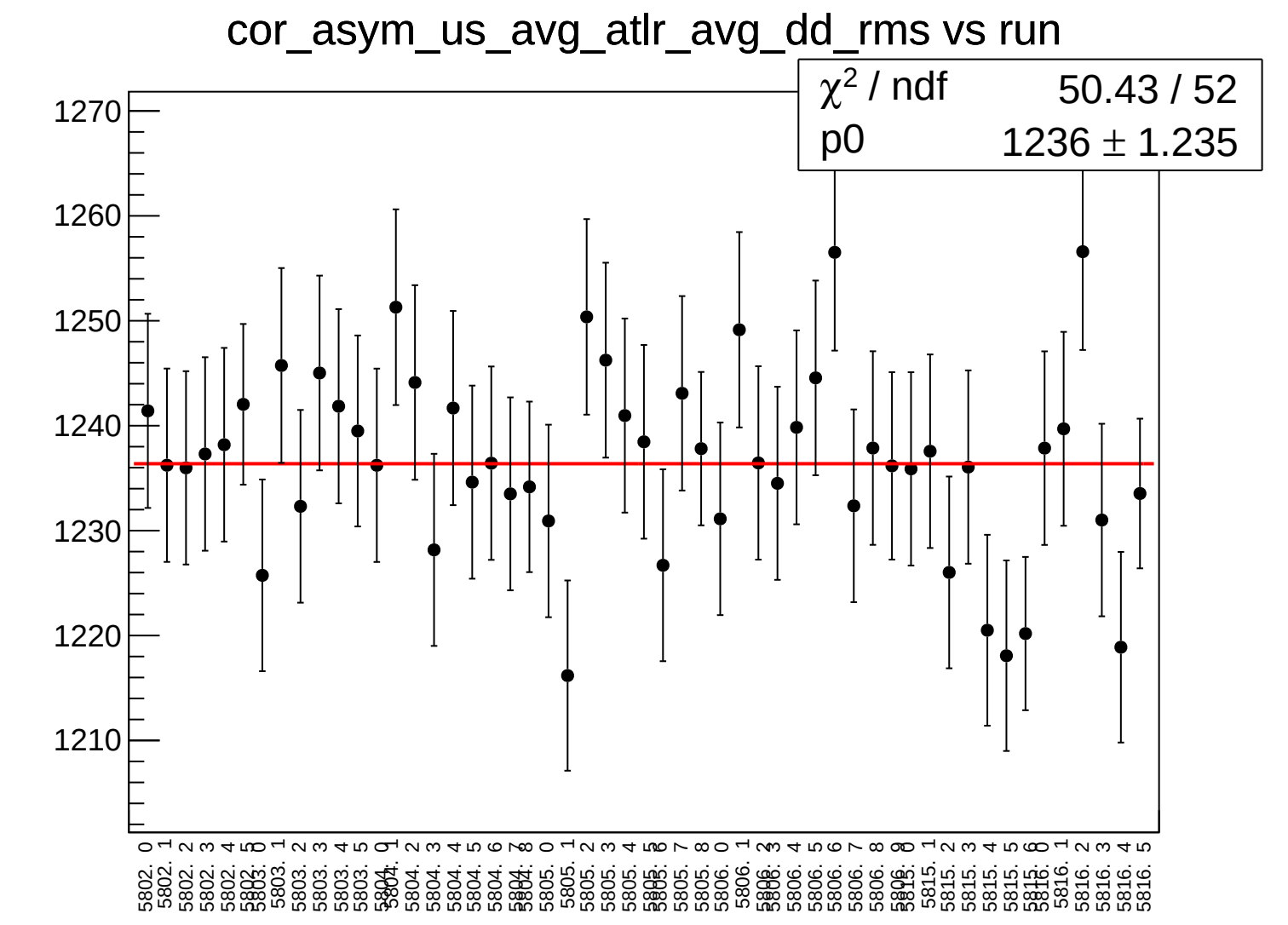

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 65.69 / 52
p0 1989 ± 3750
100
50
0
−50
−100
pull
Entries 53
Mean −54.91
Std Dev 0
2
1
0
−1
−2
−3

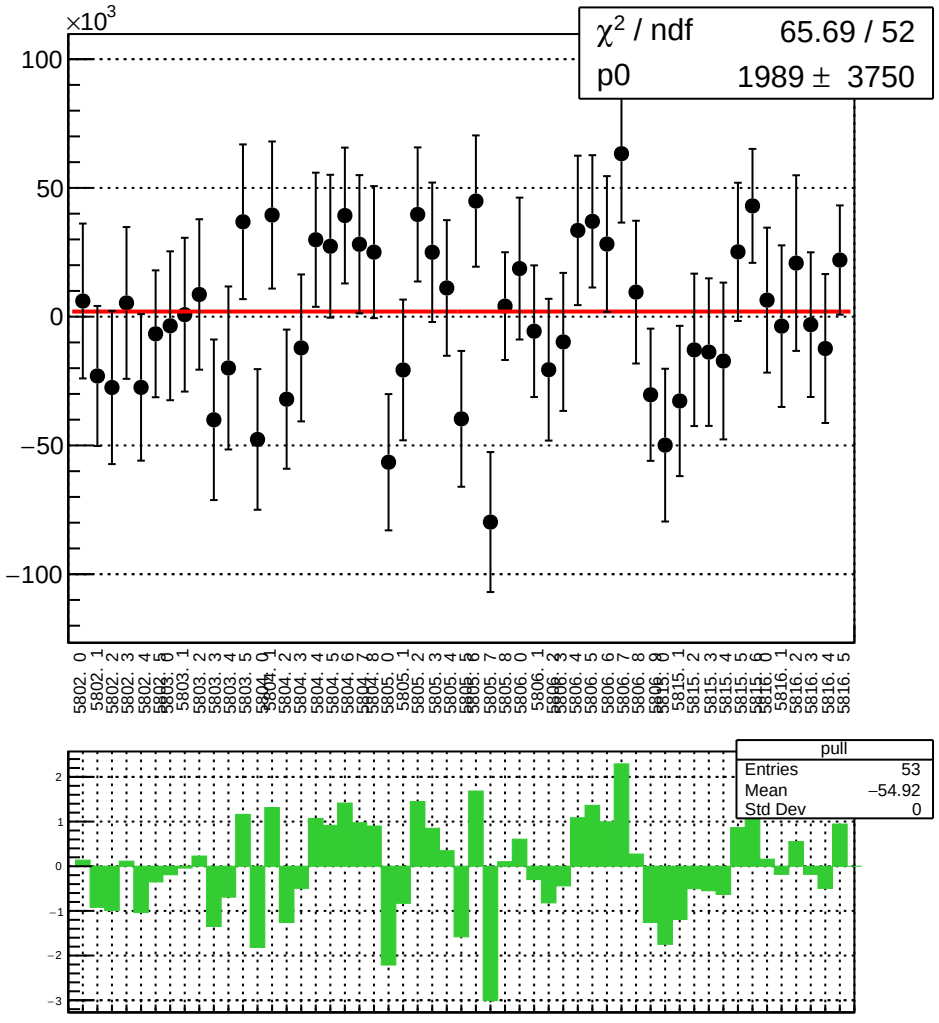

pull1D
Entries 53
Mean −0.027
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

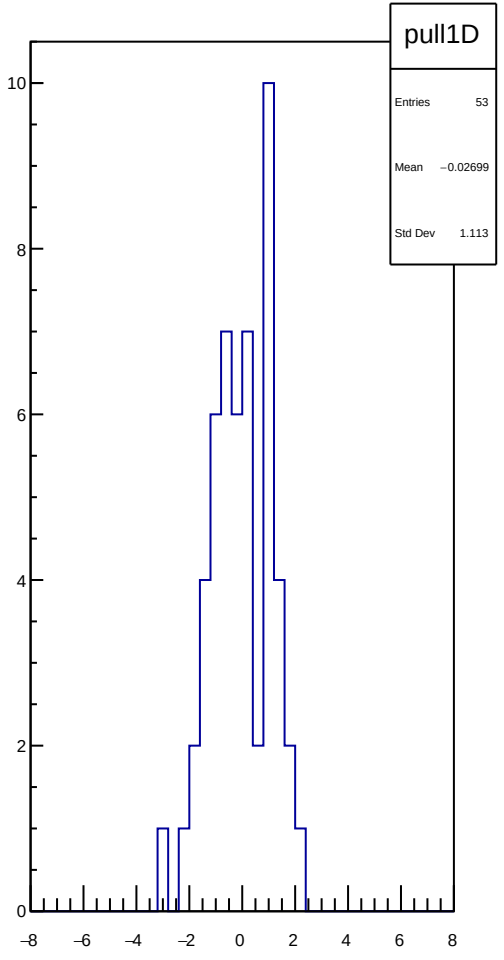

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3555 / 52
p0 2649 ± 2.652
3200
3000
2800
2600
2400

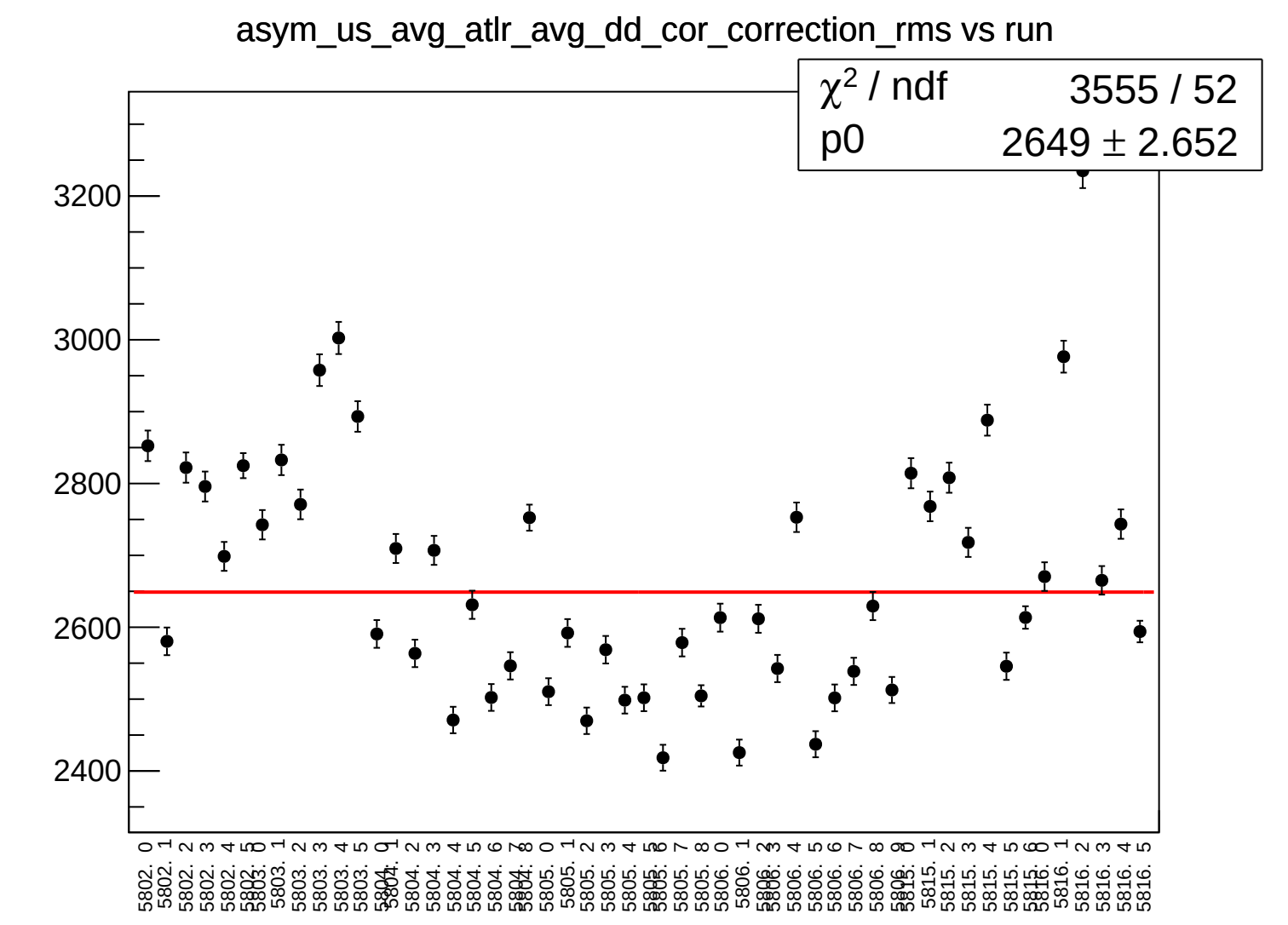

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 55.2 / 52
p0 677.8 ± 1747
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 64.59
Std Dev 0
3
2
1
0
−1
−2
−3

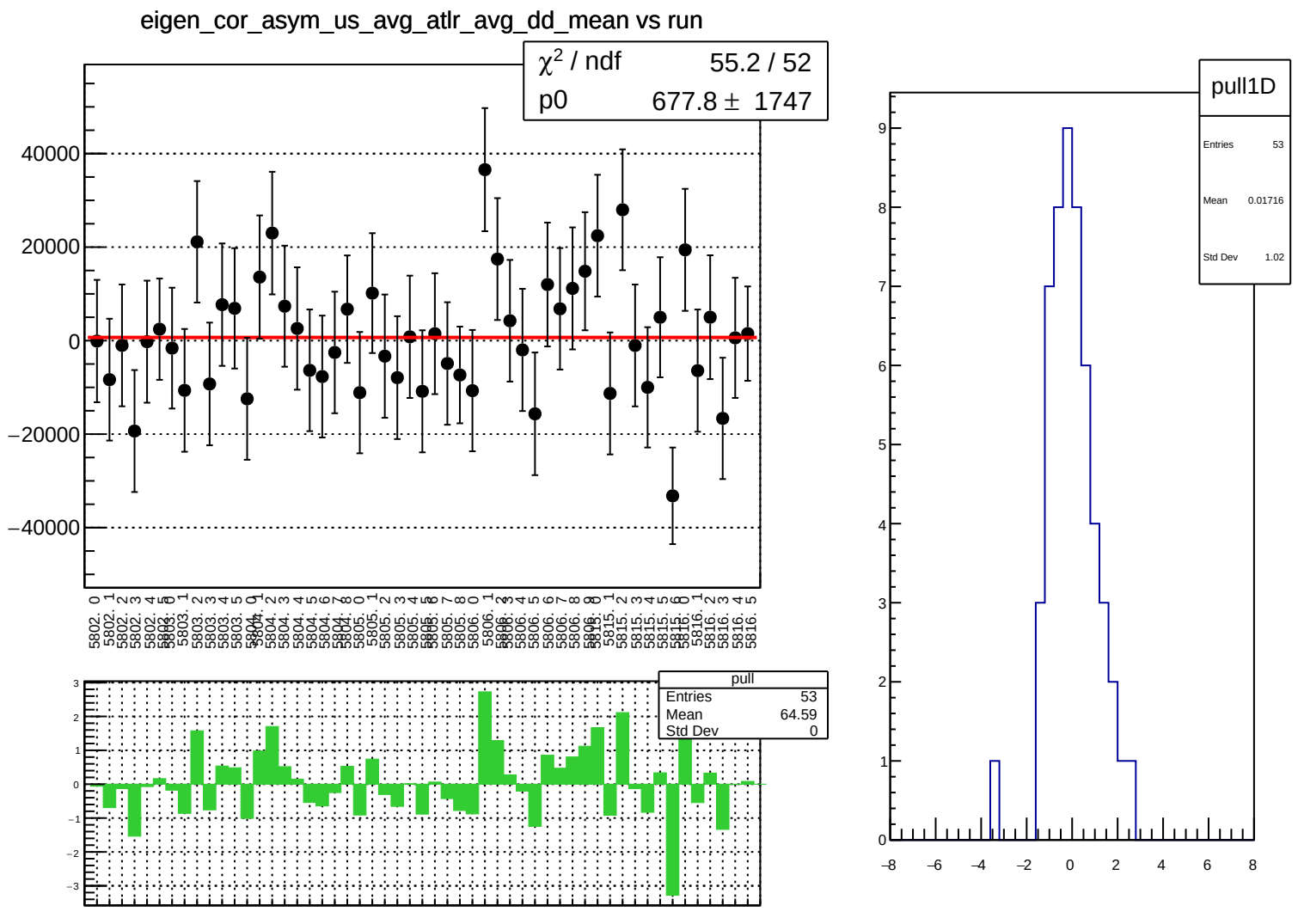

pull1D
Entries 53
Mean 0.01716
Std Dev 1.02
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

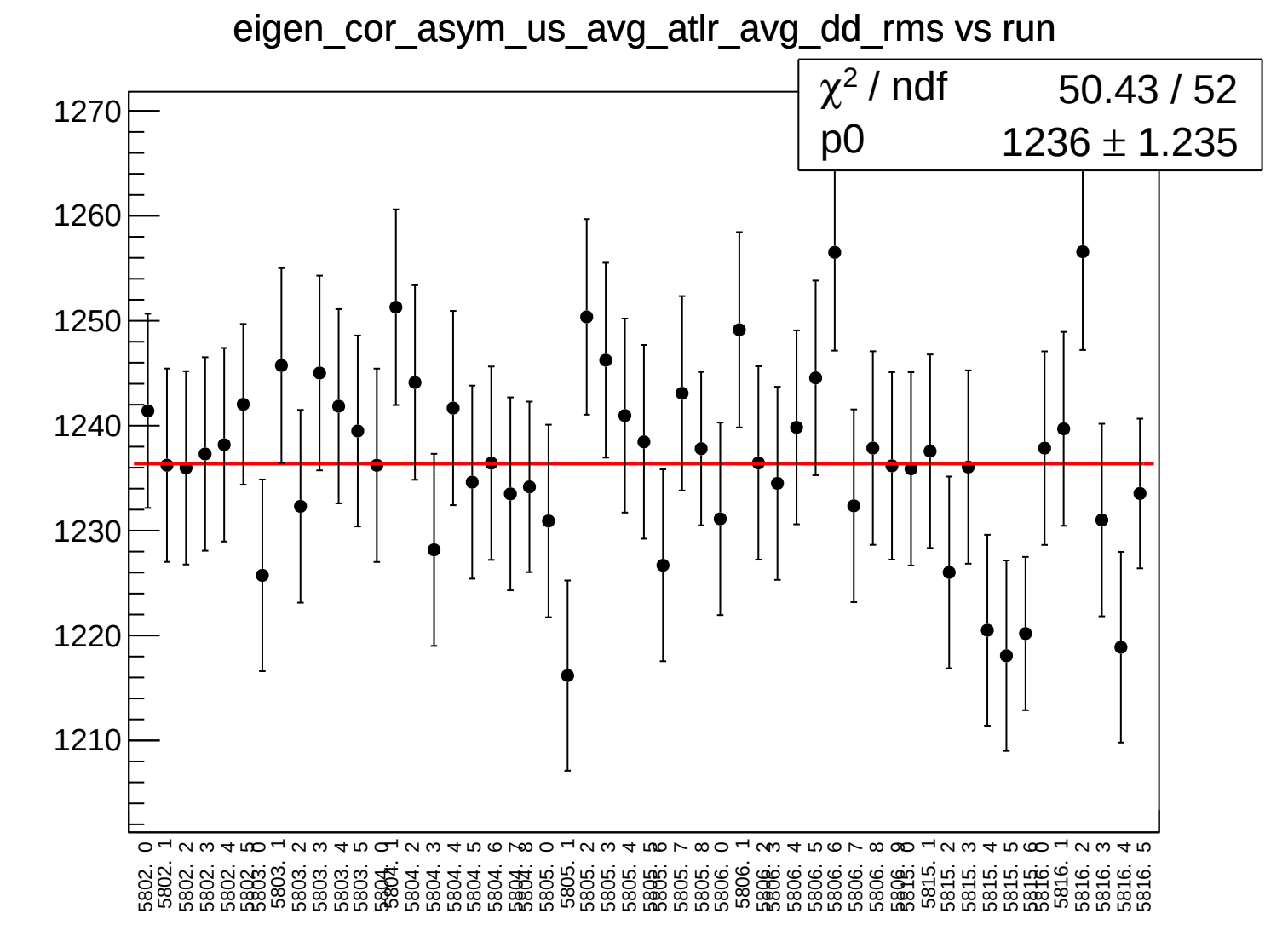

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 50.43 / 52
p0 1236 ± 1.235
1270
1260
1250
1240
1230
1220
1210

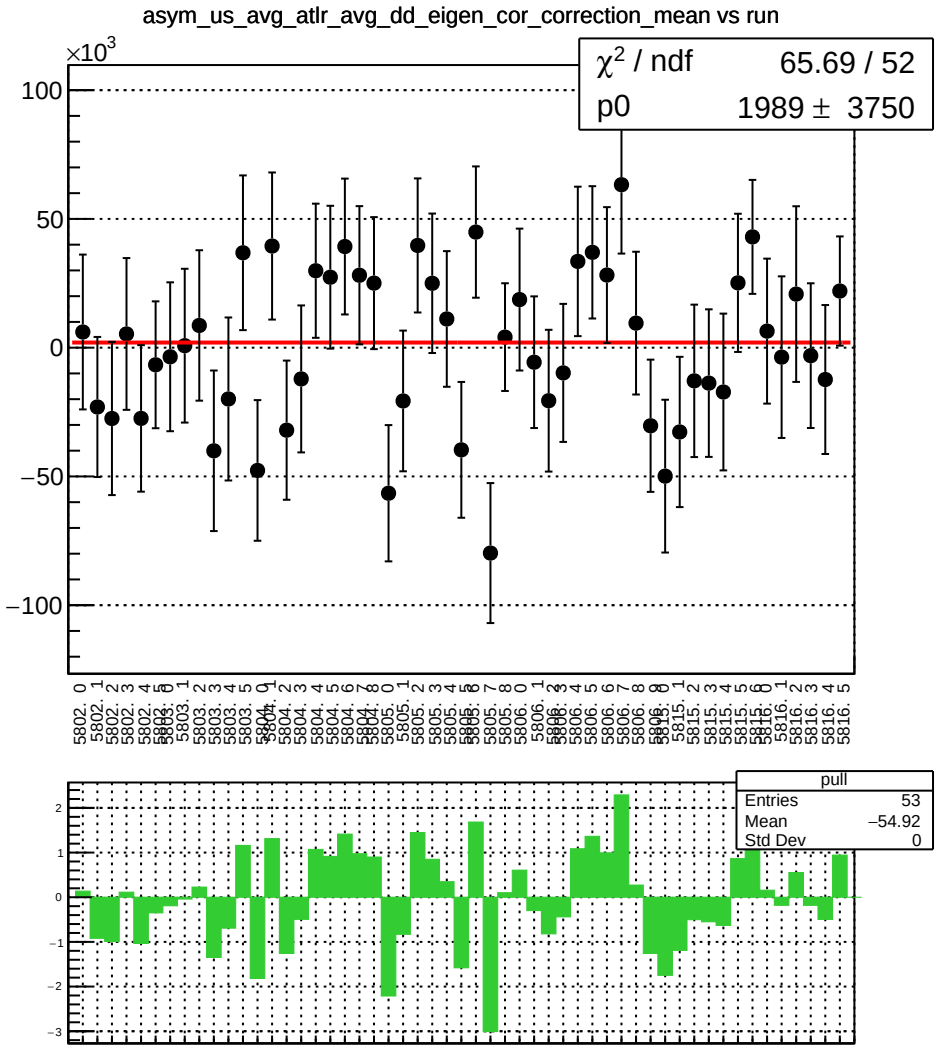

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 65.69 / 52
p0 1989 ± 3750
pull
Entries 53
Mean −54.92
Std Dev 0

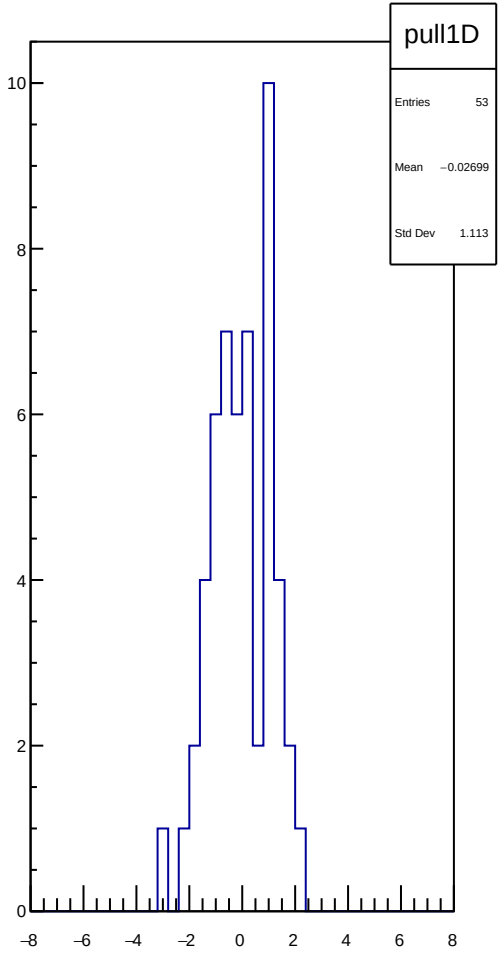

pull1D
Entries 53
Mean −0.02699
Std Dev 1.113

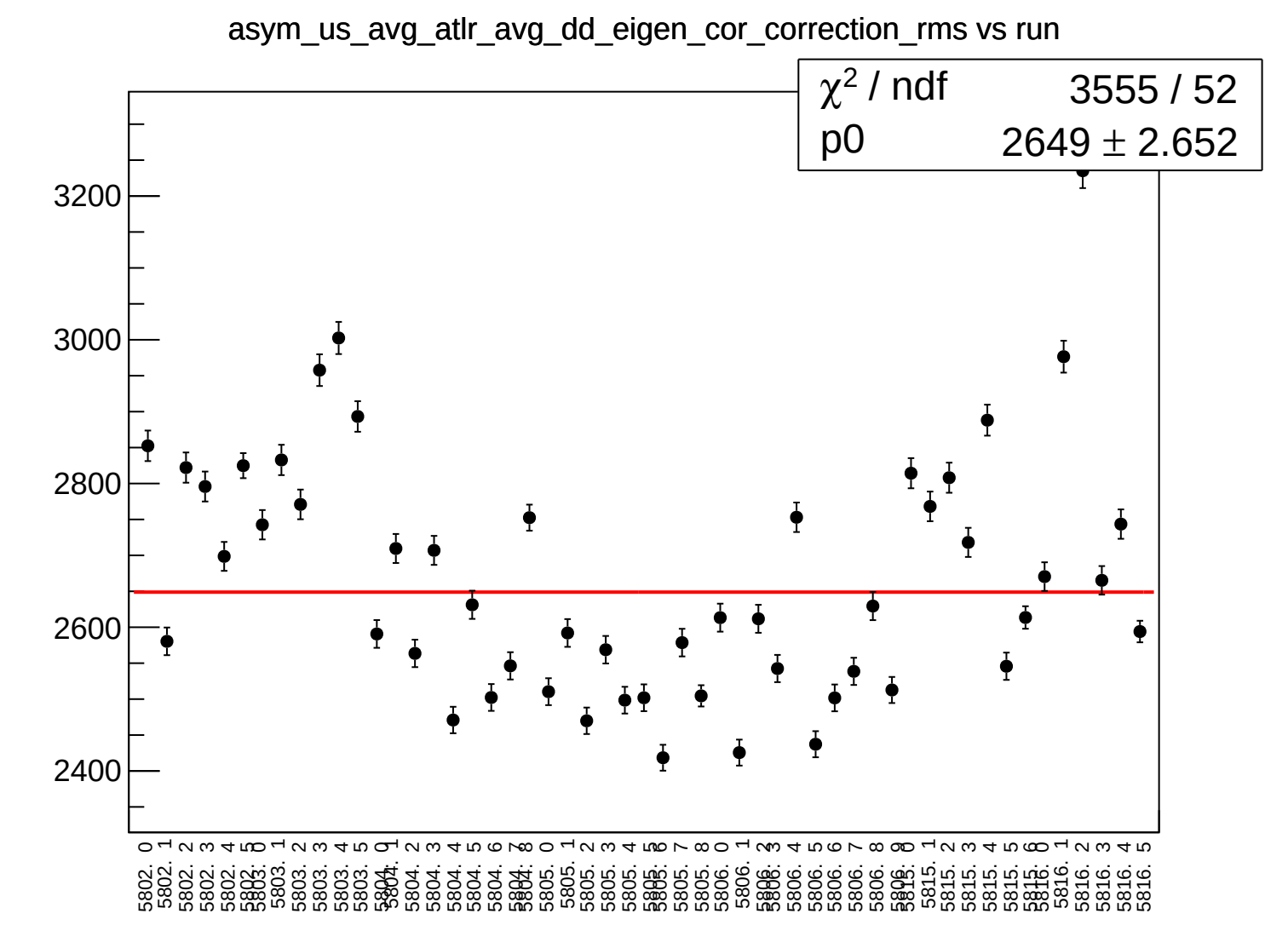

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3555 / 52
p0 2649 ± 2.652
3200
3000
2800
2600
2400

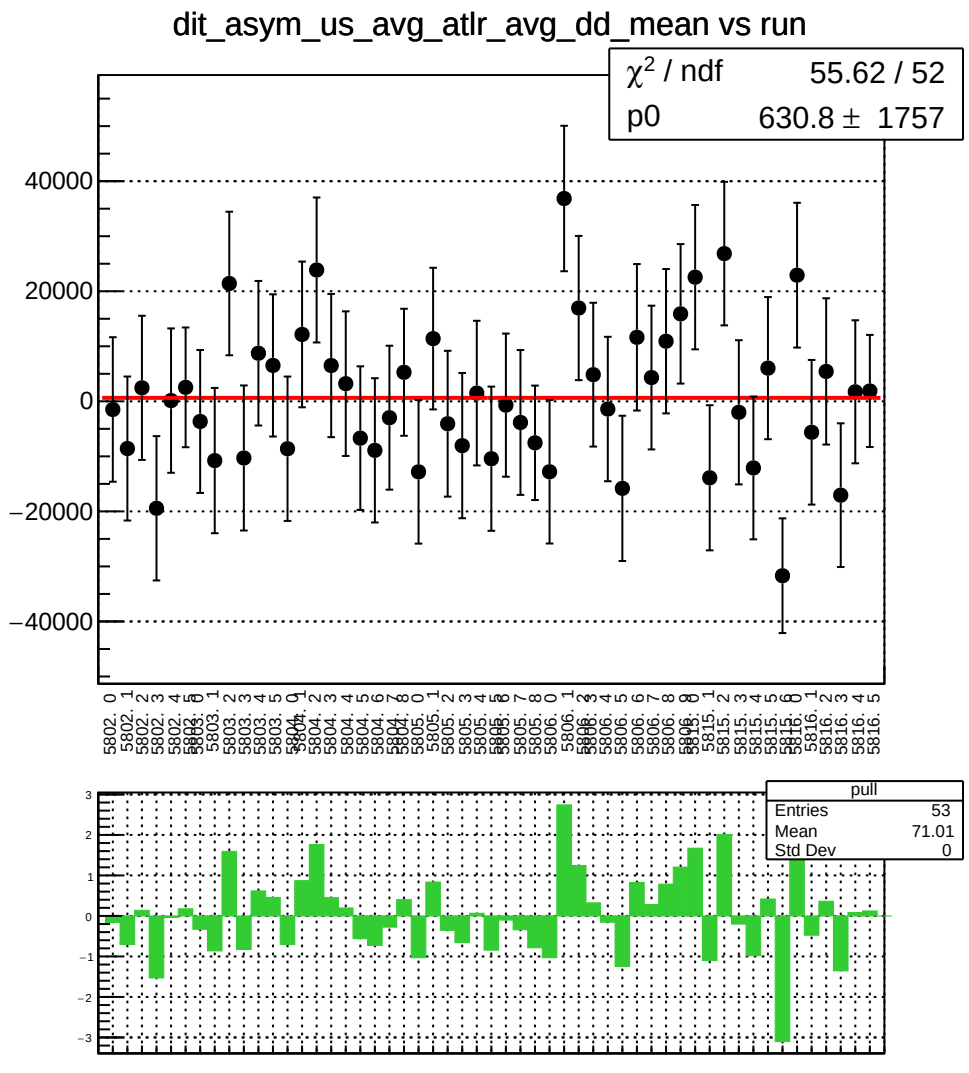

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 55.2 / 52
p0 677.8 ± 1747
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 64.59
Std Dev 0
pull1D
Entries 53
Mean 0.01716
Std Dev 1.02

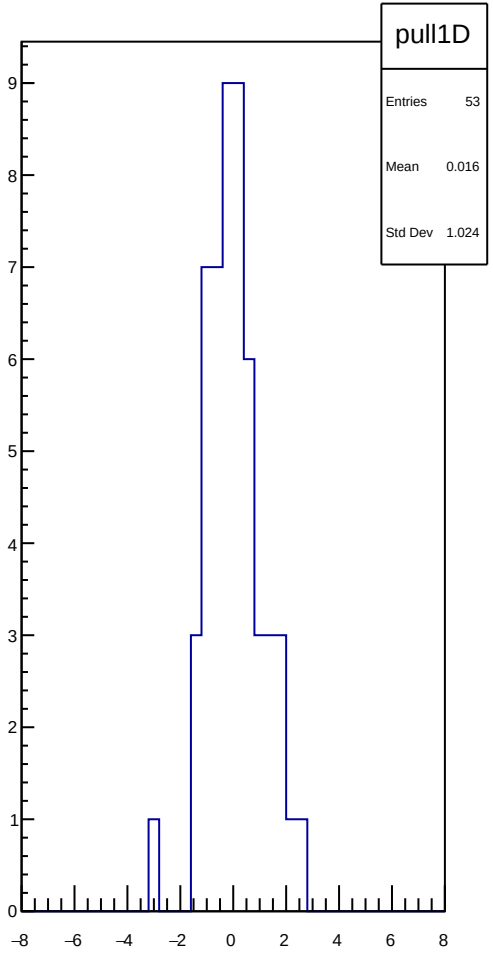

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 50.43 / 52
p0 1236 ± 1.235
1270
1260
1250
1240
1230
1220
1210

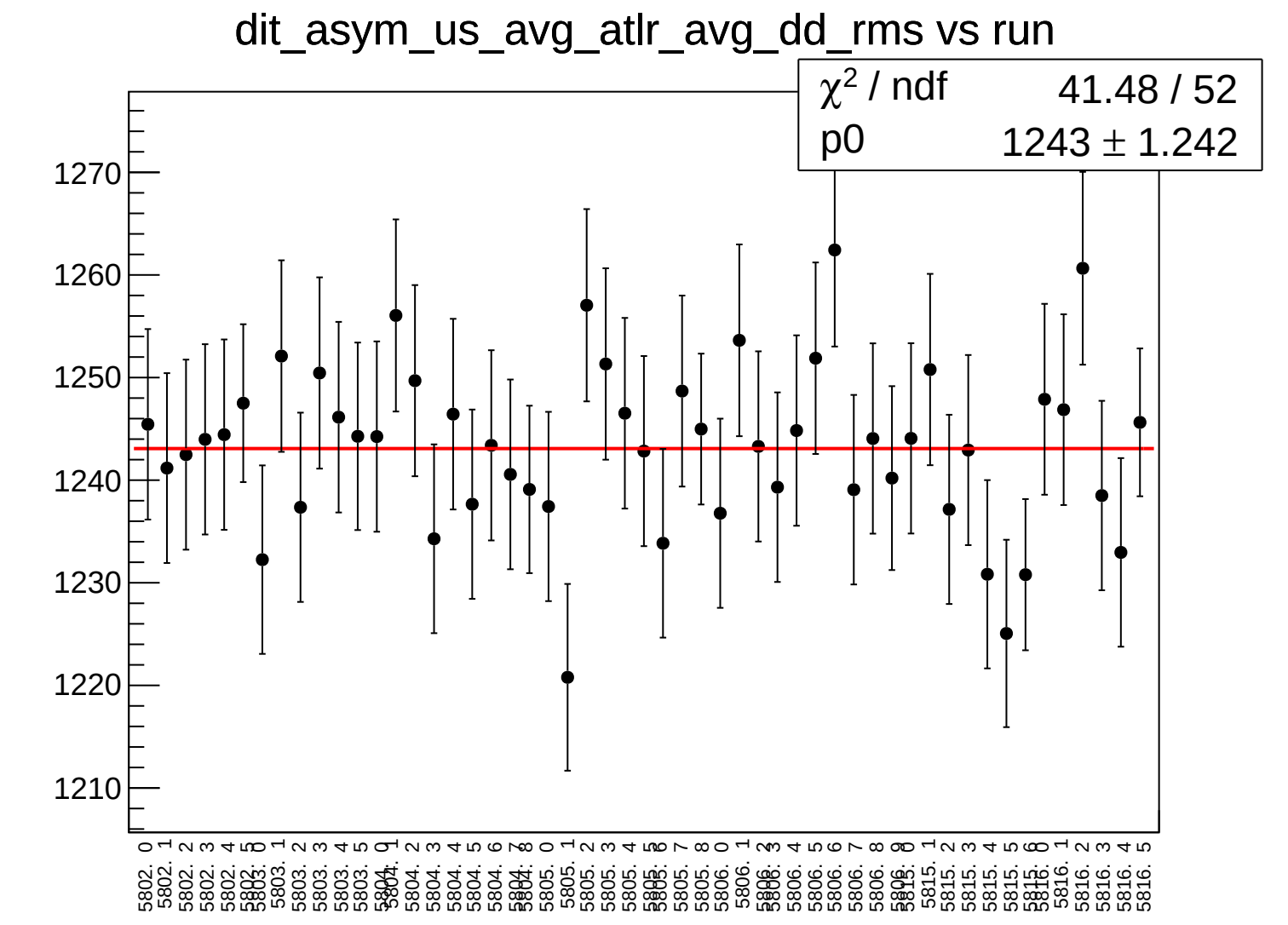

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 65.69 / 52
p0 1989 ± 3750
100
50
0
−50
−100
pull
Entries 53
Mean −54.92
Std Dev 0
2
1
0
−1
−2
−3

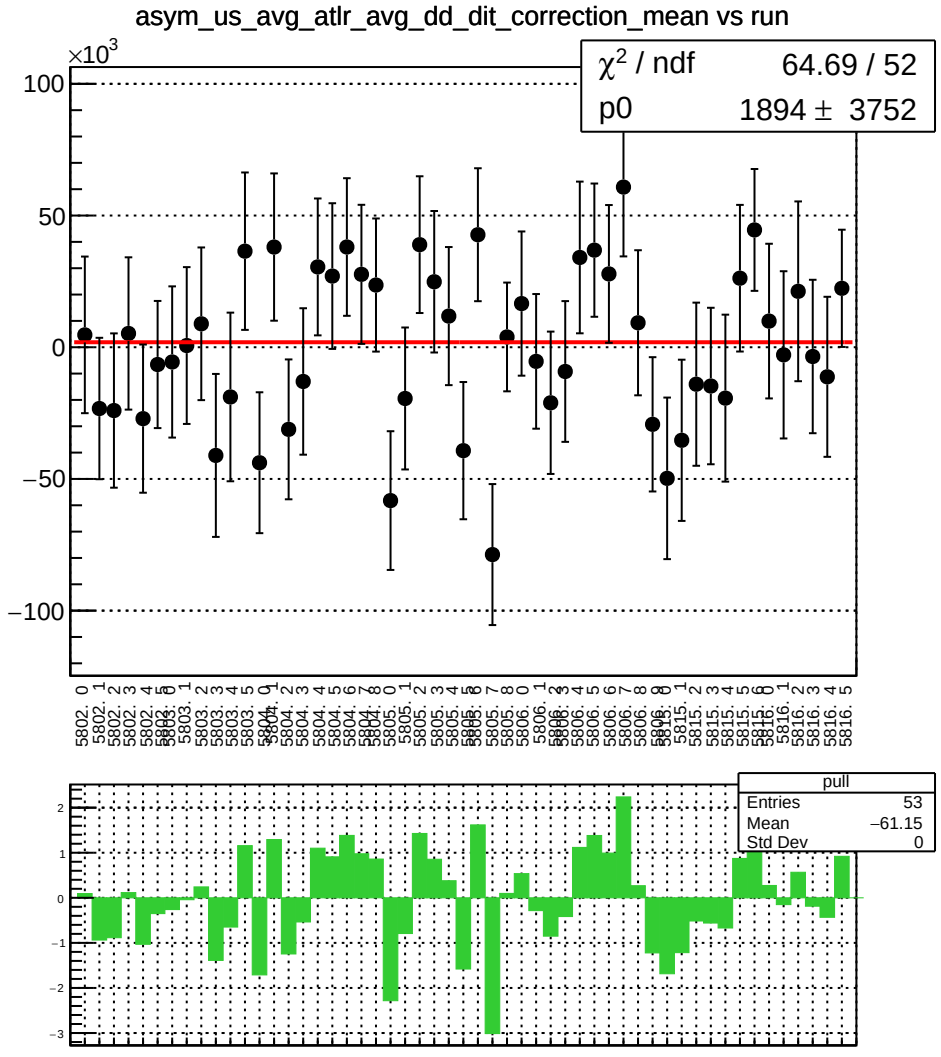

pull1D
Entries 53
Mean −0.02699
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

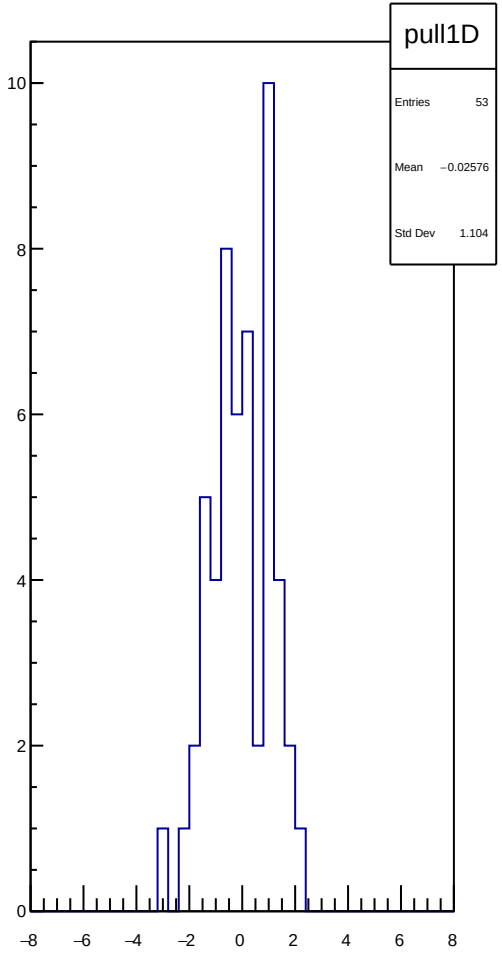

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3555 / 52
p0 2649 ± 2.652
3200
3000
2800
2600
2400

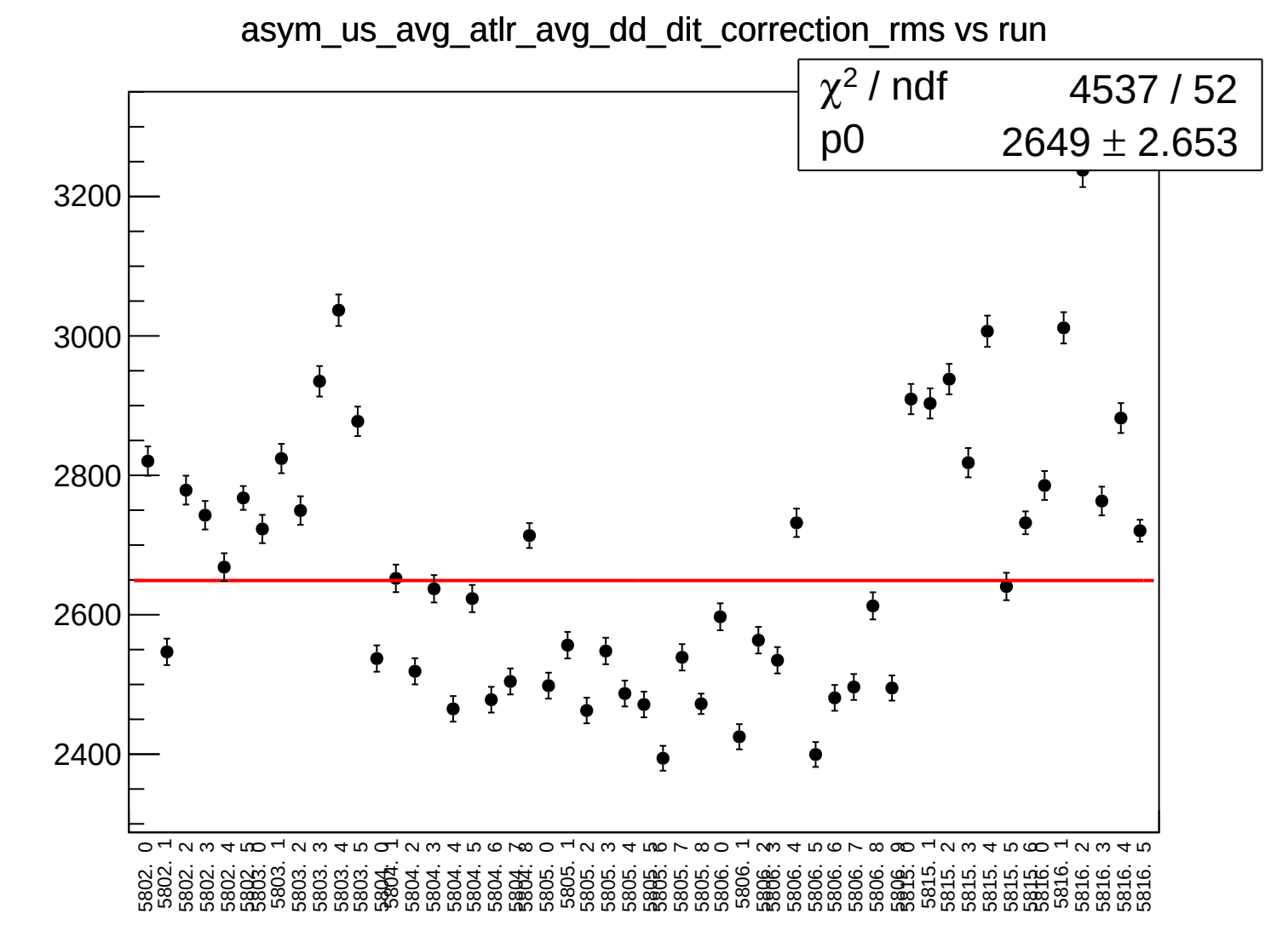

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 55.62 / 52
p0 630.8 ± 1757
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 71.01
Std Dev 0
3
2
1
0
−1
−2
−3

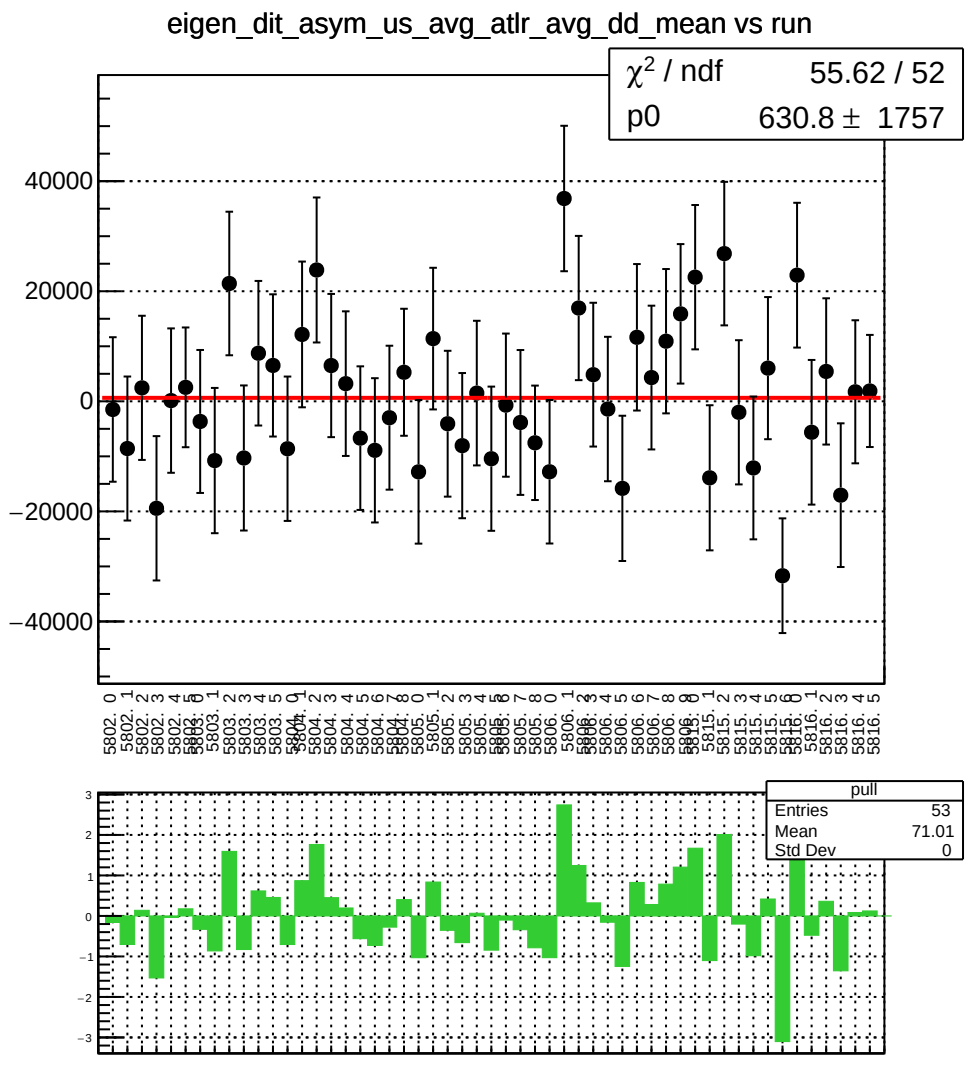

pull1D
Entries 53
Mean 0.016
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

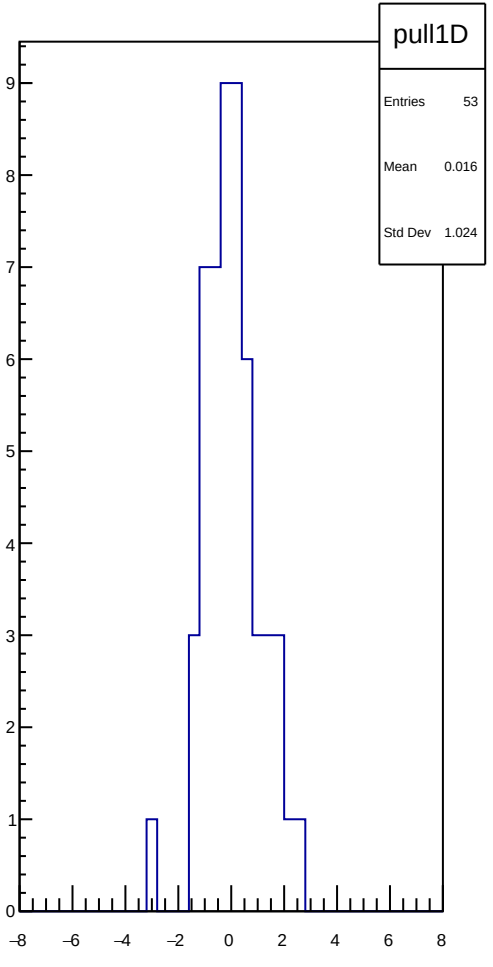

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 41.48 / 52
p0 1243 ± 1.242
1270
1260
1250
1240
1230
1220
1210

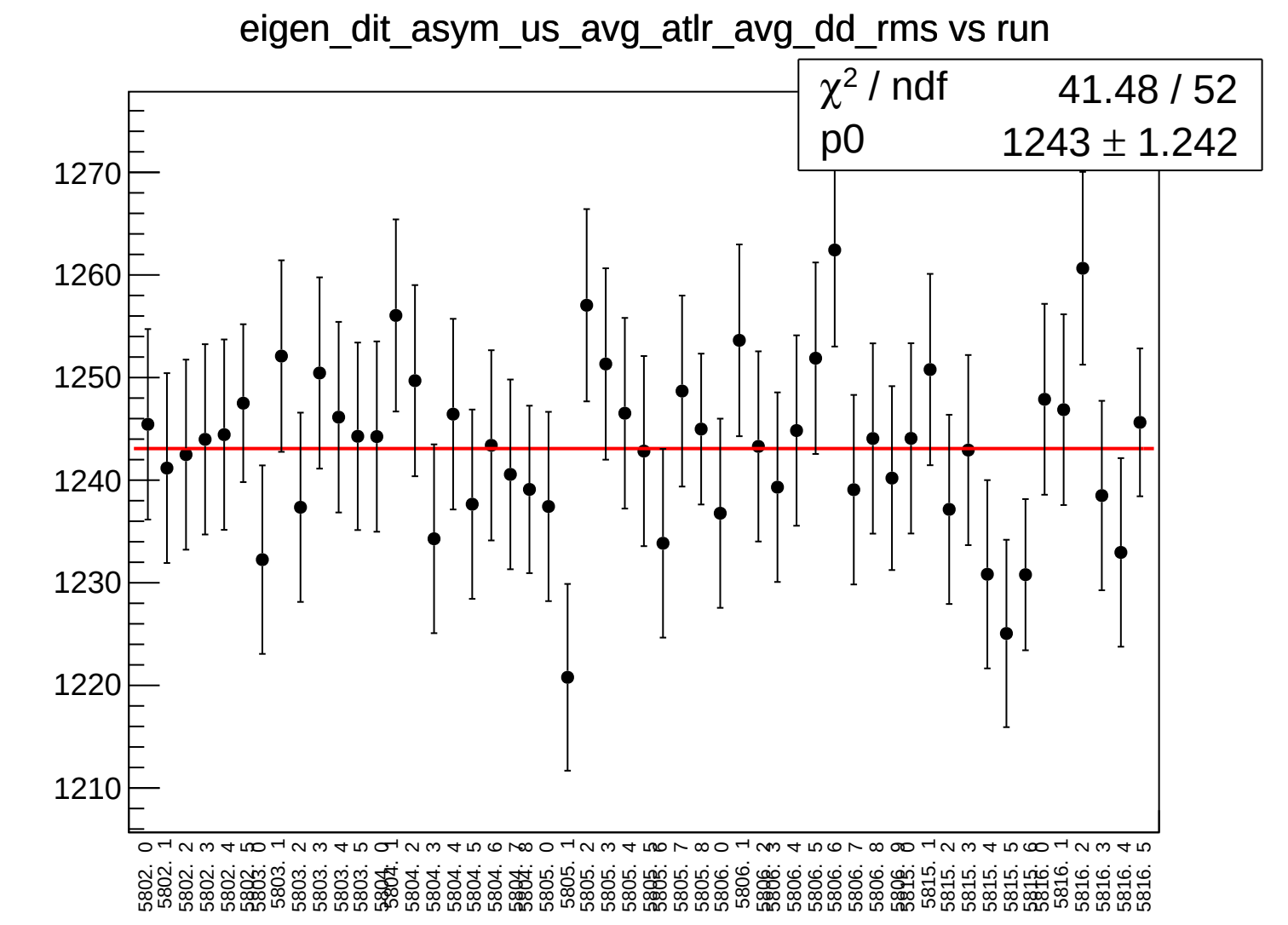

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.69 / 52
p0 1894 ± 3752
pull
Entries 53
Mean −61.15
Std Dev 0

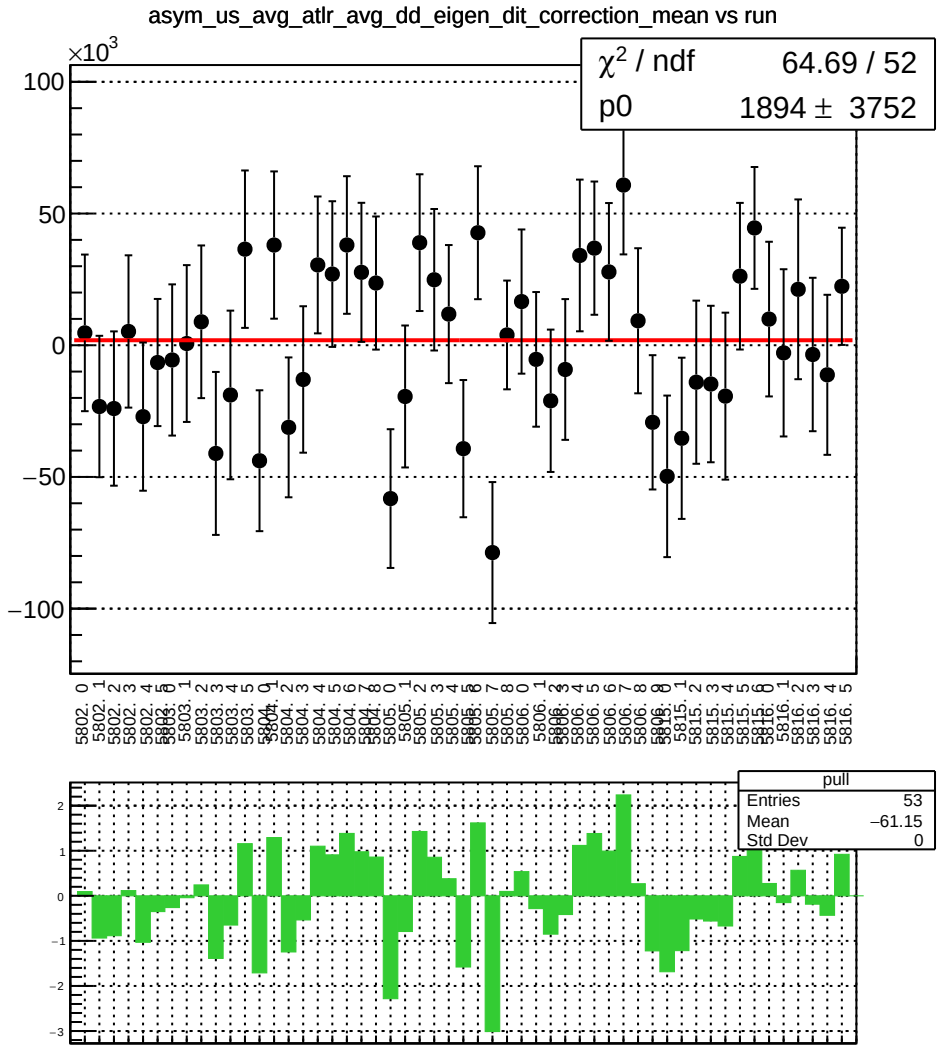

pull1D
Entries 53
Mean −0.02576
Std Dev 1.104

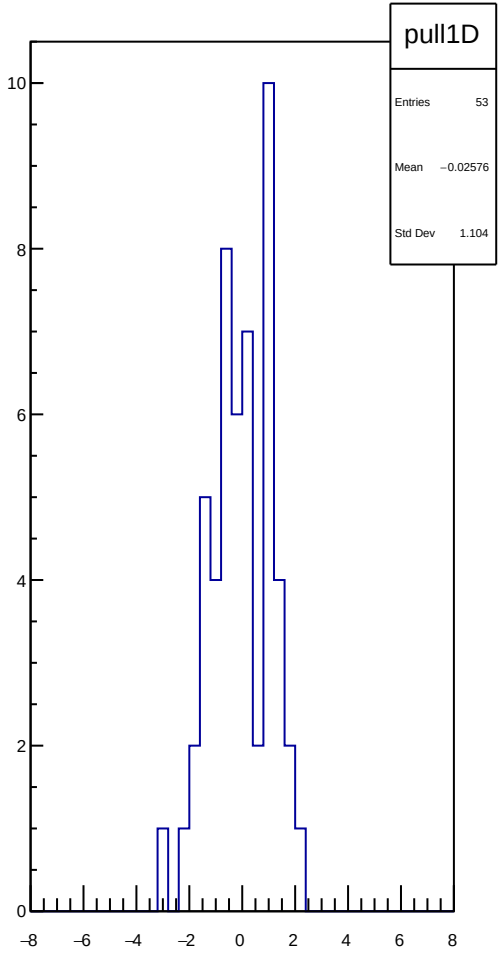

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 4537 / 52
p0 2649 ± 2.653
3200
3000
2800
2600
2400

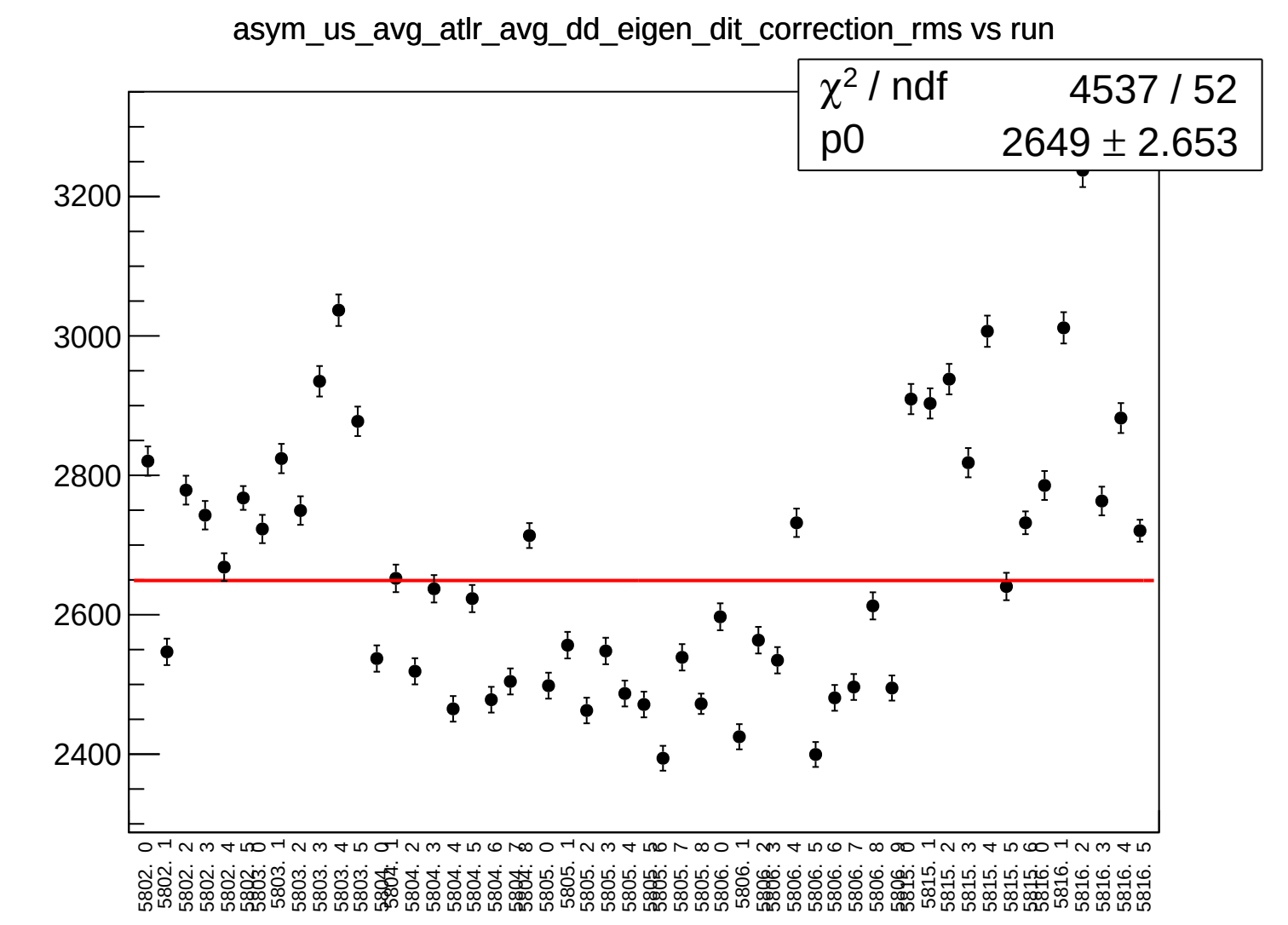

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 55.62 / 52
p0 630.8 ± 1757
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 71.01
Std Dev 0
3
2
1
0
−1
−2
−3

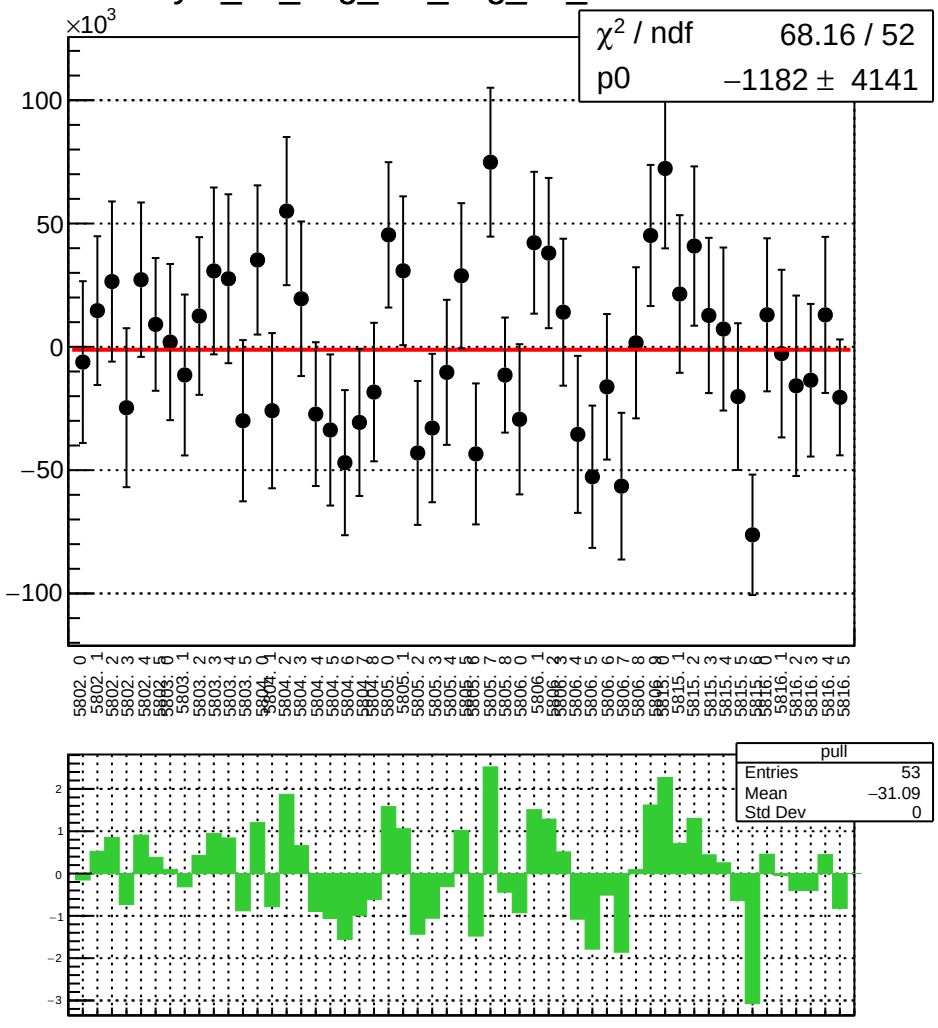

pull1D
Entries 53
Mean 0.016
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

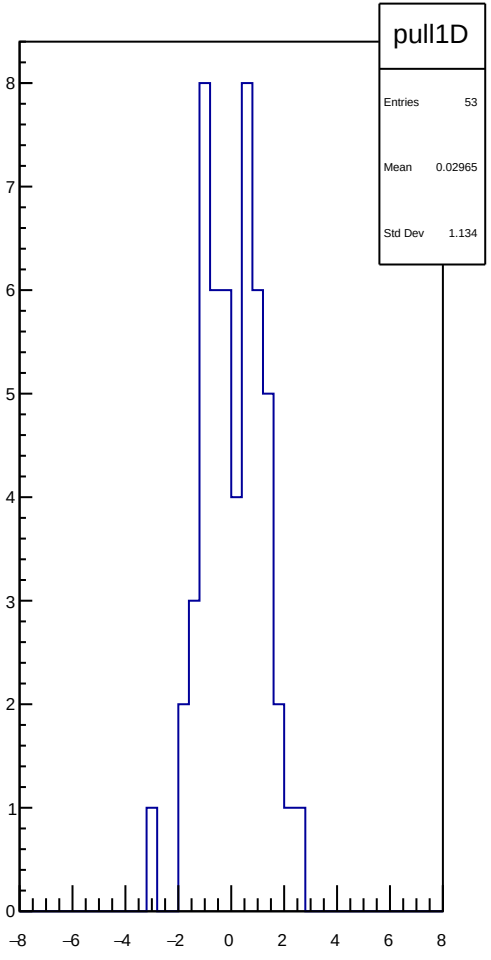

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 41.48 / 52
p0 1243 ± 1.242
1270
1260
1250
1240
1230
1220
1210

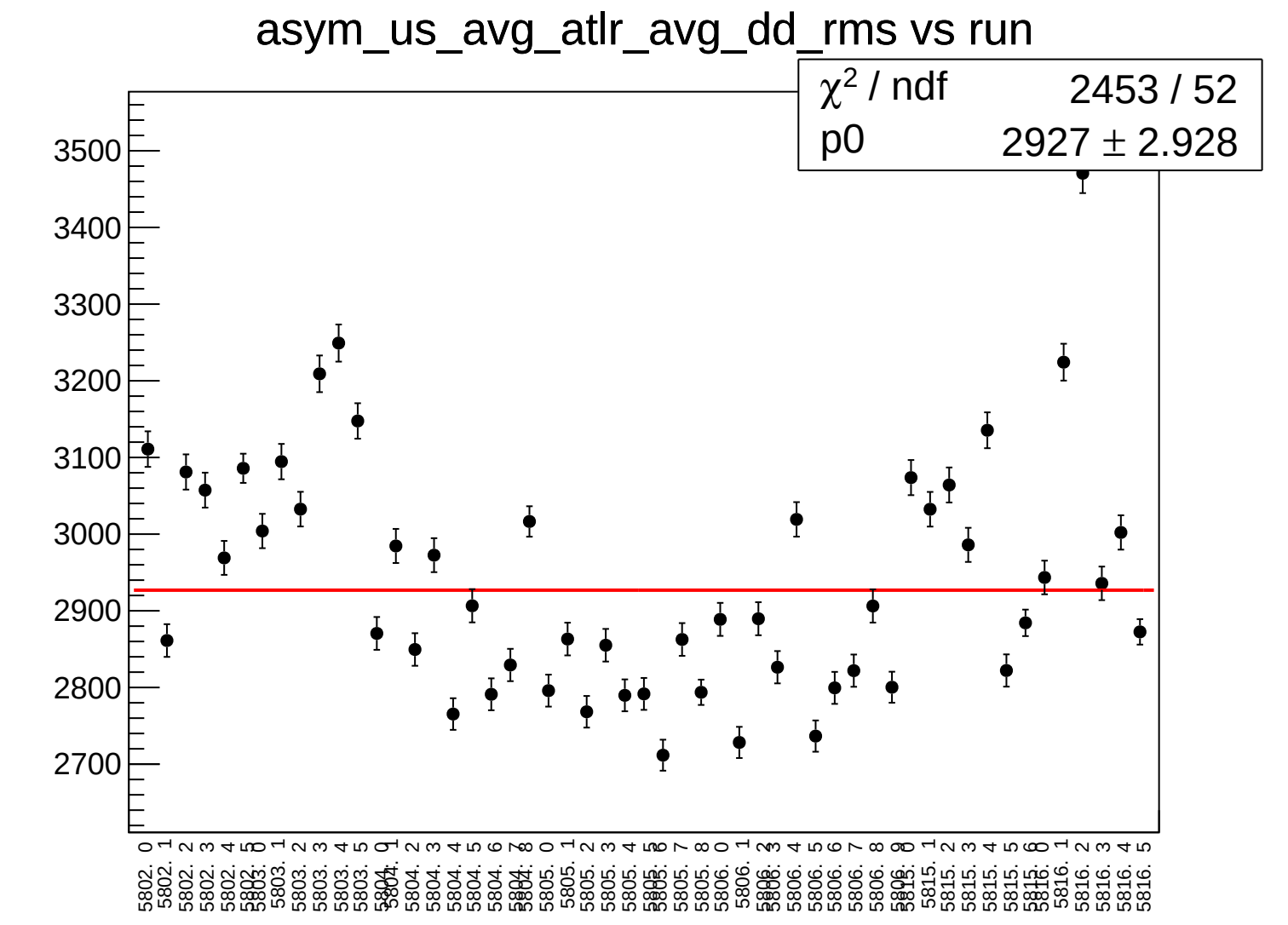

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 64.69 / 52
p0 1894 ± 3752
pull
Entries 53
Mean −61.15
Std Dev 0

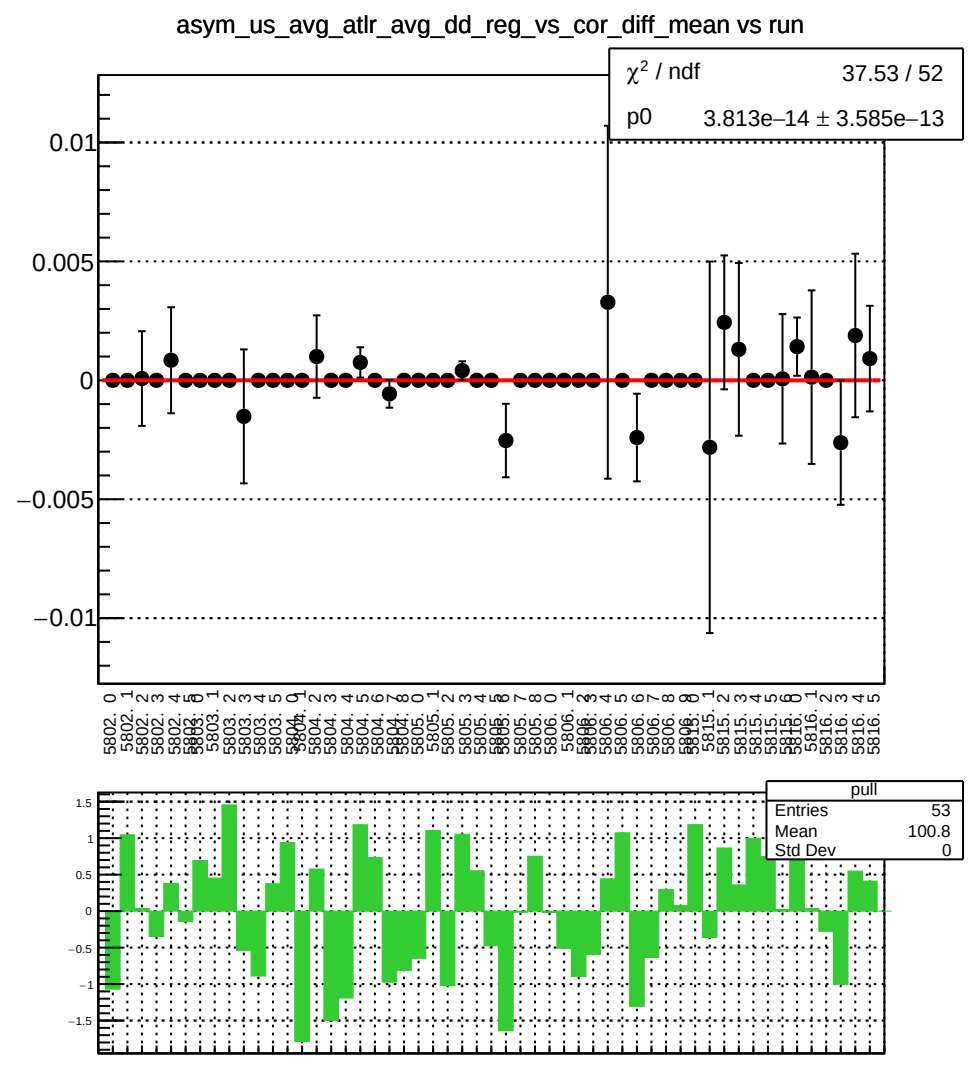

pull1D
Entries 53
Mean −0.02576
Std Dev 1.104

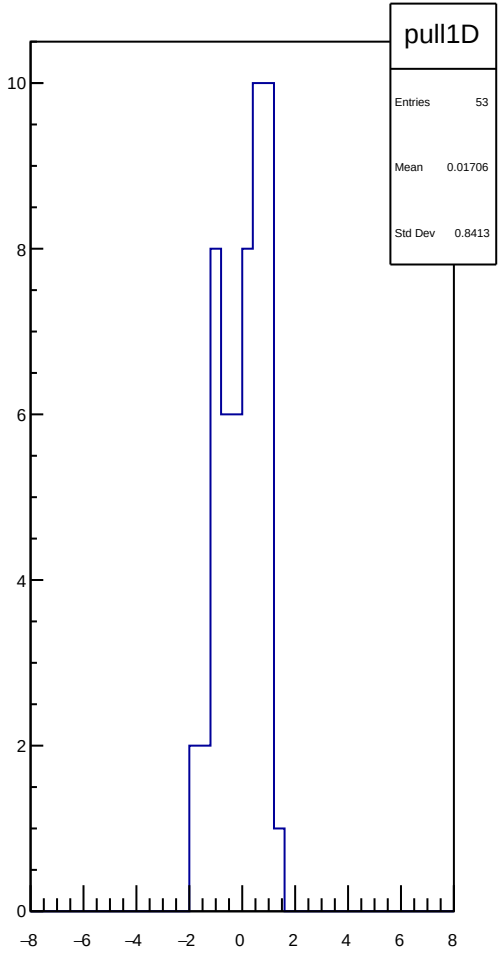

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4537 / 52
p0 2649 ± 2.653
3200
3000
2800
2600
2400

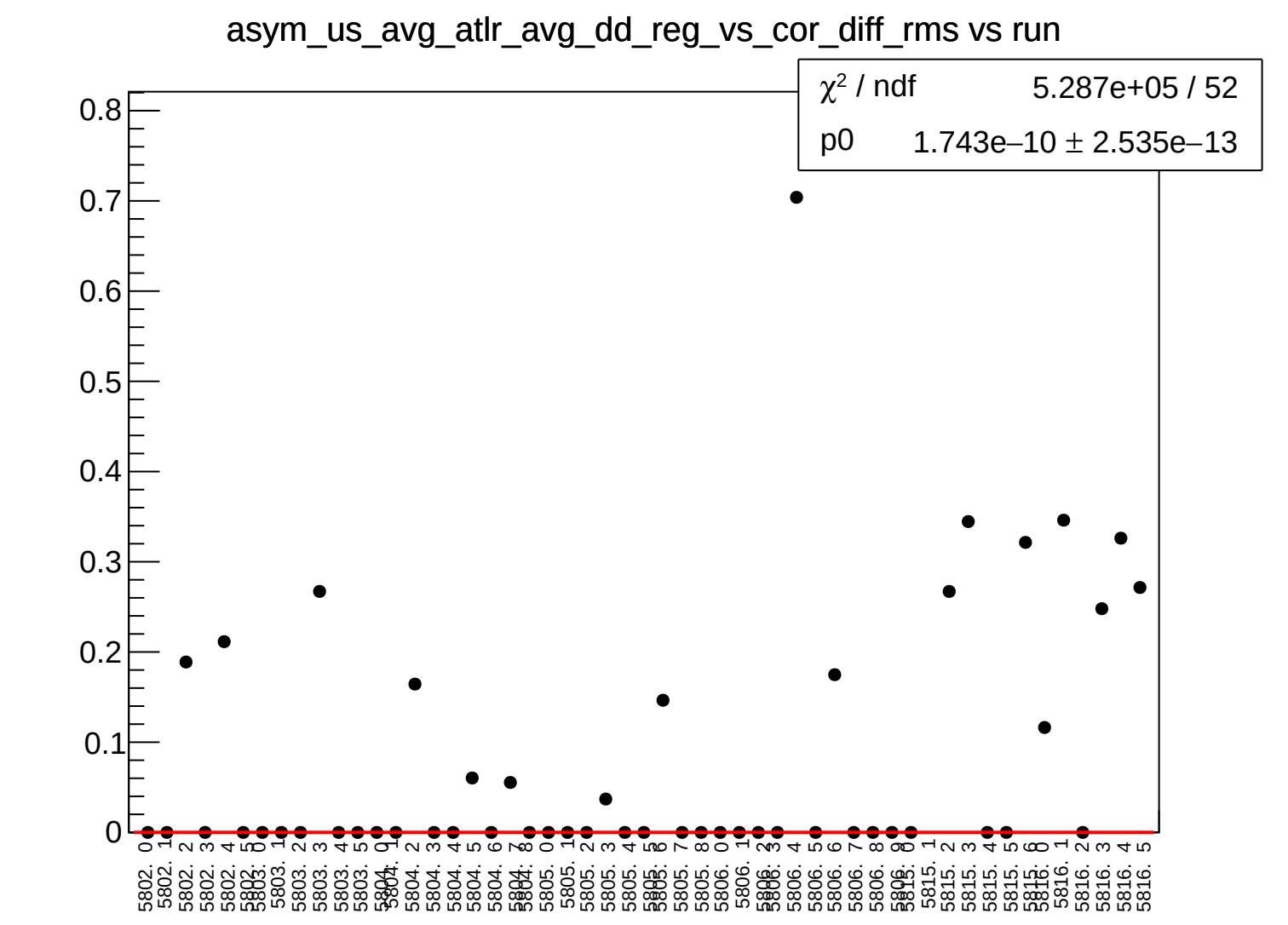

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 68.16 / 52
p0 −1182 ± 4141
100
50
0
−50
−100
pull
Entries 53
Mean −31.09
Std Dev 0
2
1
0
−1
−2
−3

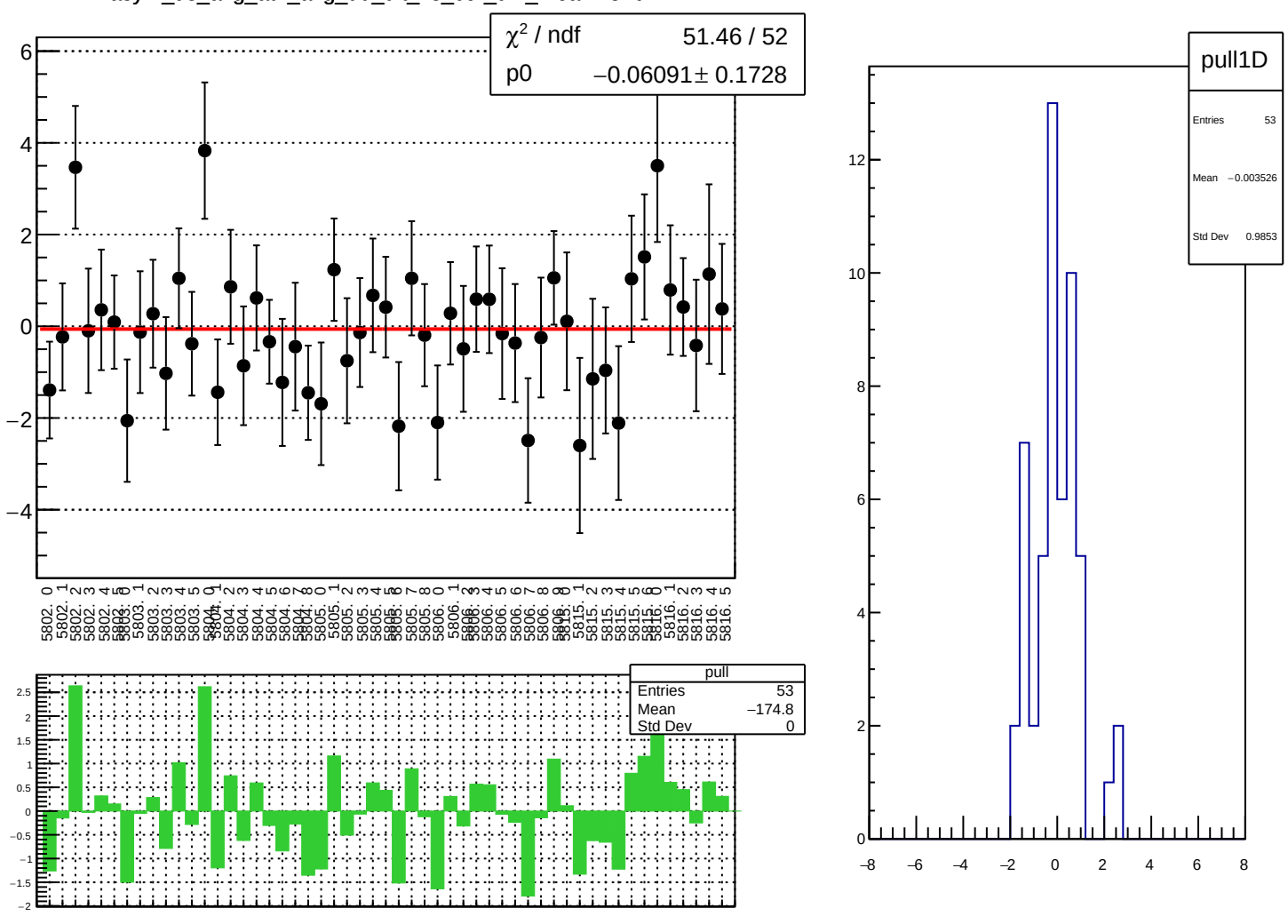

pull1D
Entries 53
Mean 0.02965
Std Dev 1.134
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

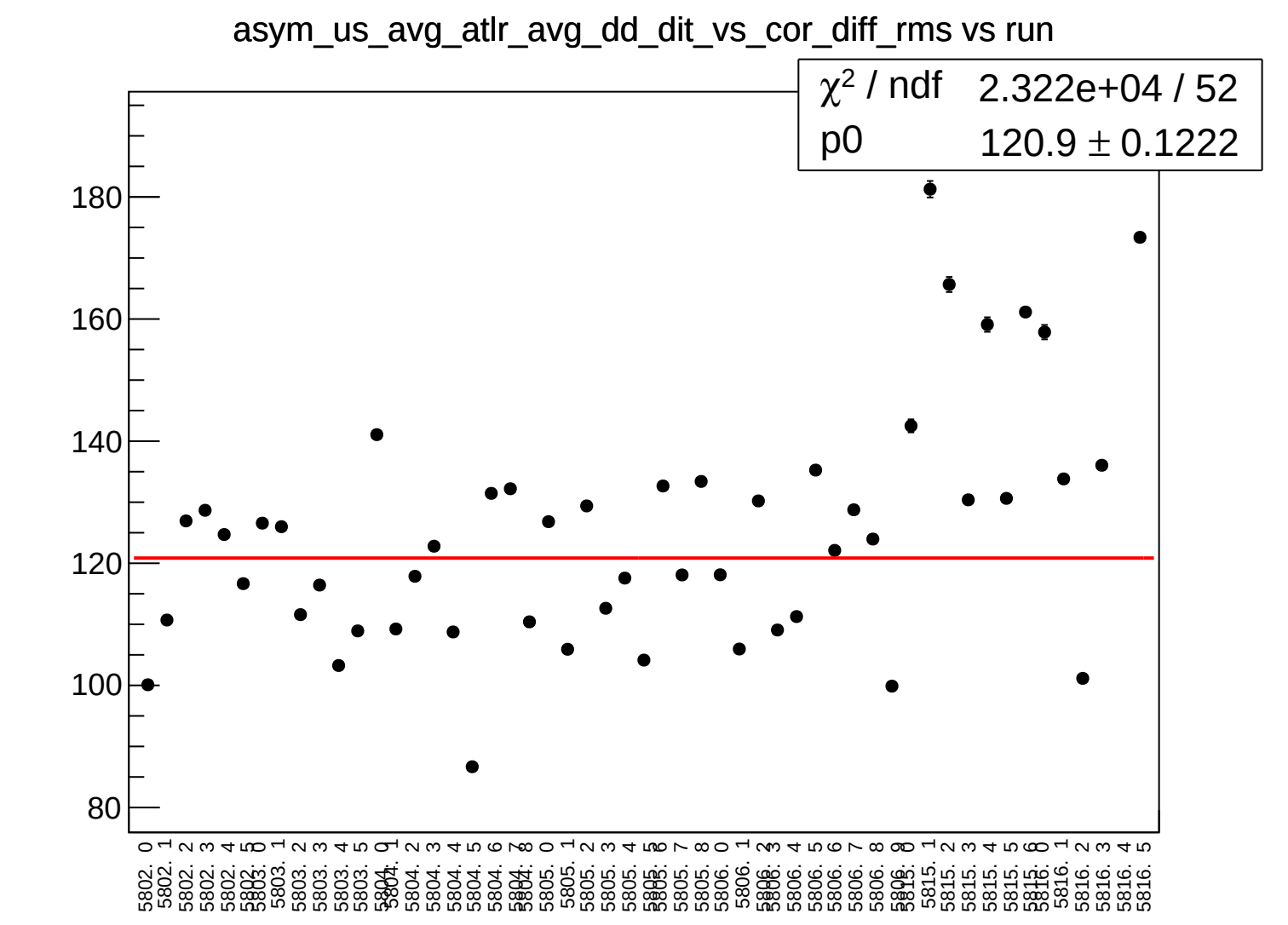

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2453 / 52
p0 2927 ± 2.928
3500
3400
3300
3200
3100
3000
2900
2800
2700

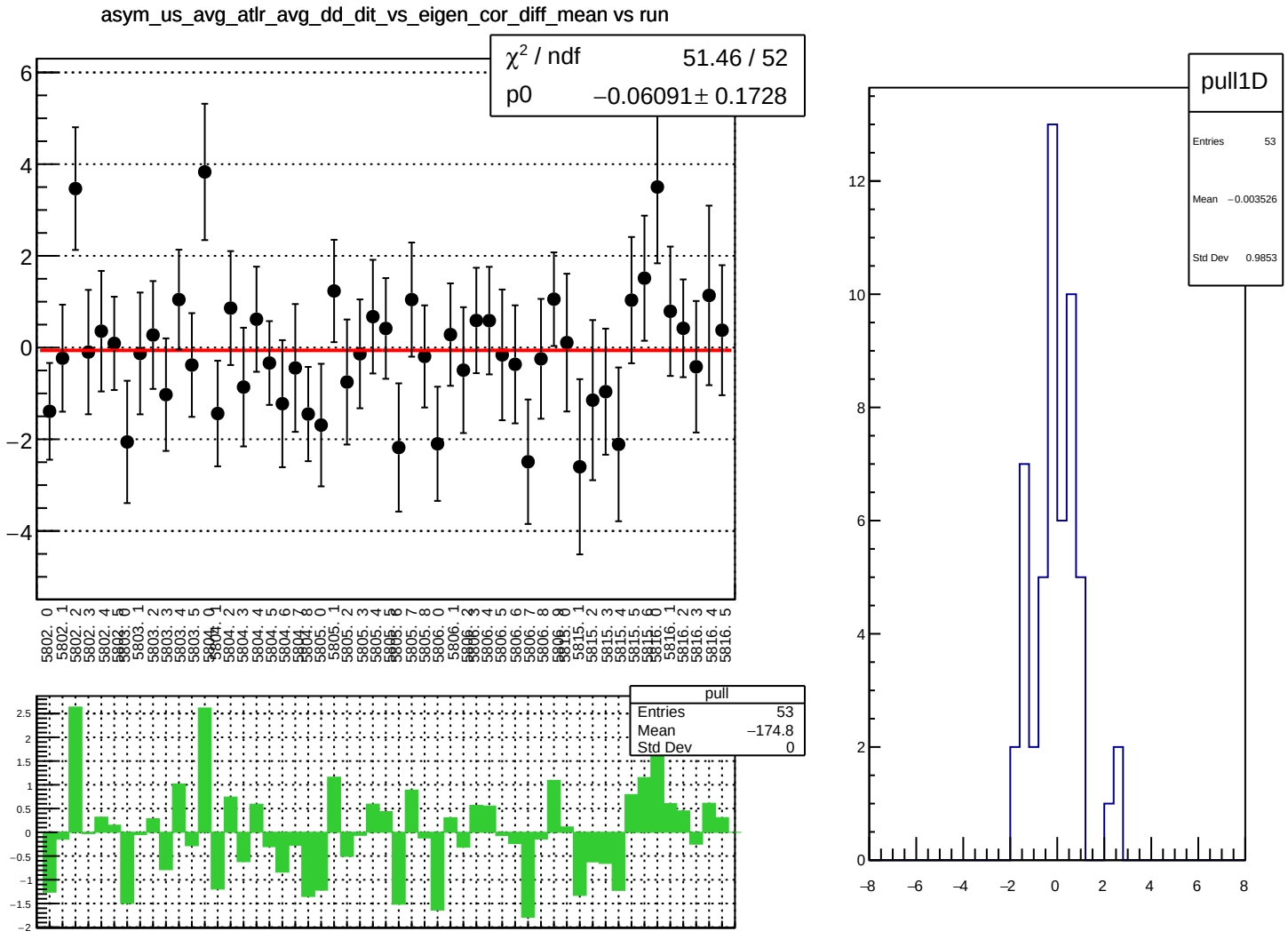

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.53 / 52
p0 3.813e−14 ± 3.585e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 53
Mean 100.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

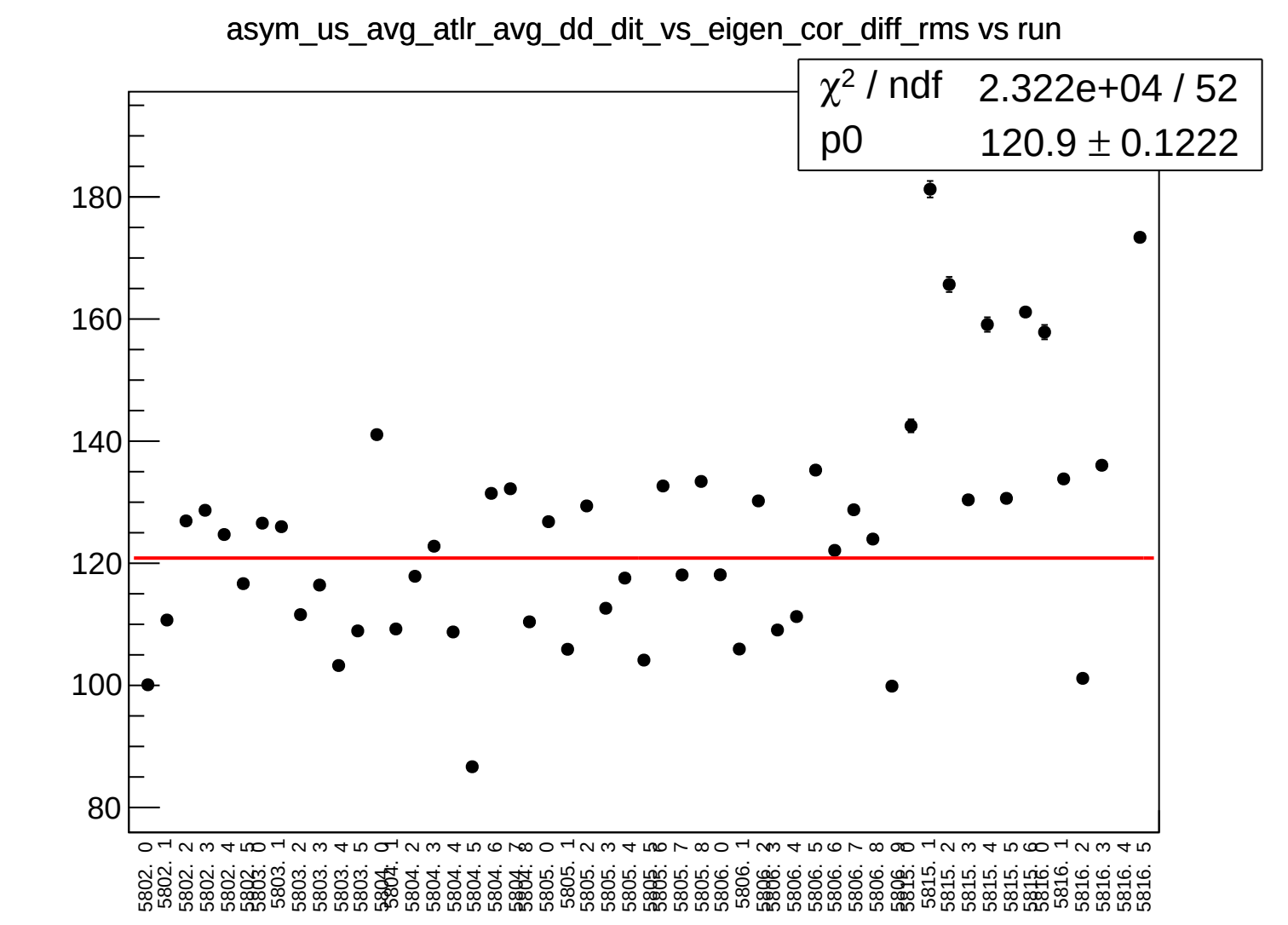

pull1D
Entries 53
Mean 0.01706
Std Dev 0.8413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

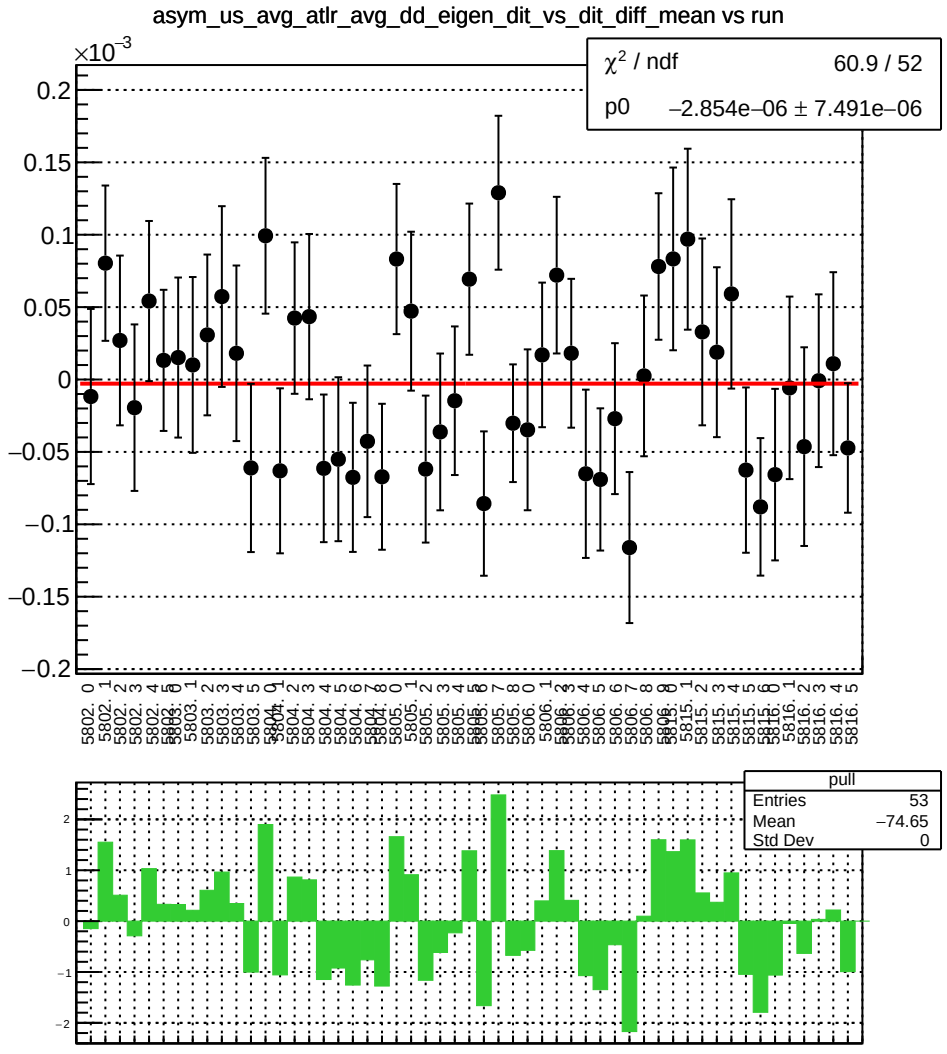

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.287e+05 / 52
p0 1.743e−10 ± 2.535e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

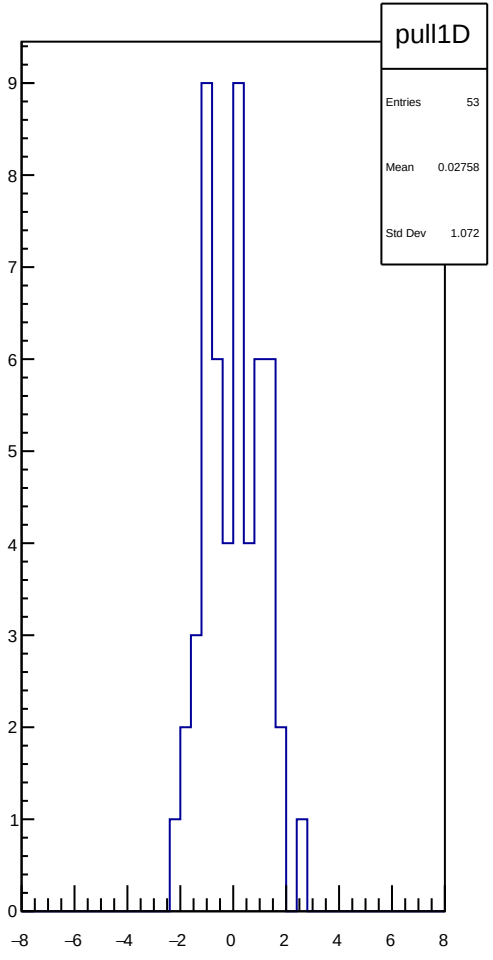

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.46 / 52
p0 −0.06091± 0.1728
pull
Entries 53
Mean −174.8
Std Dev 0
pull1D
Entries 53
Mean −0.003526
Std Dev 0.9853

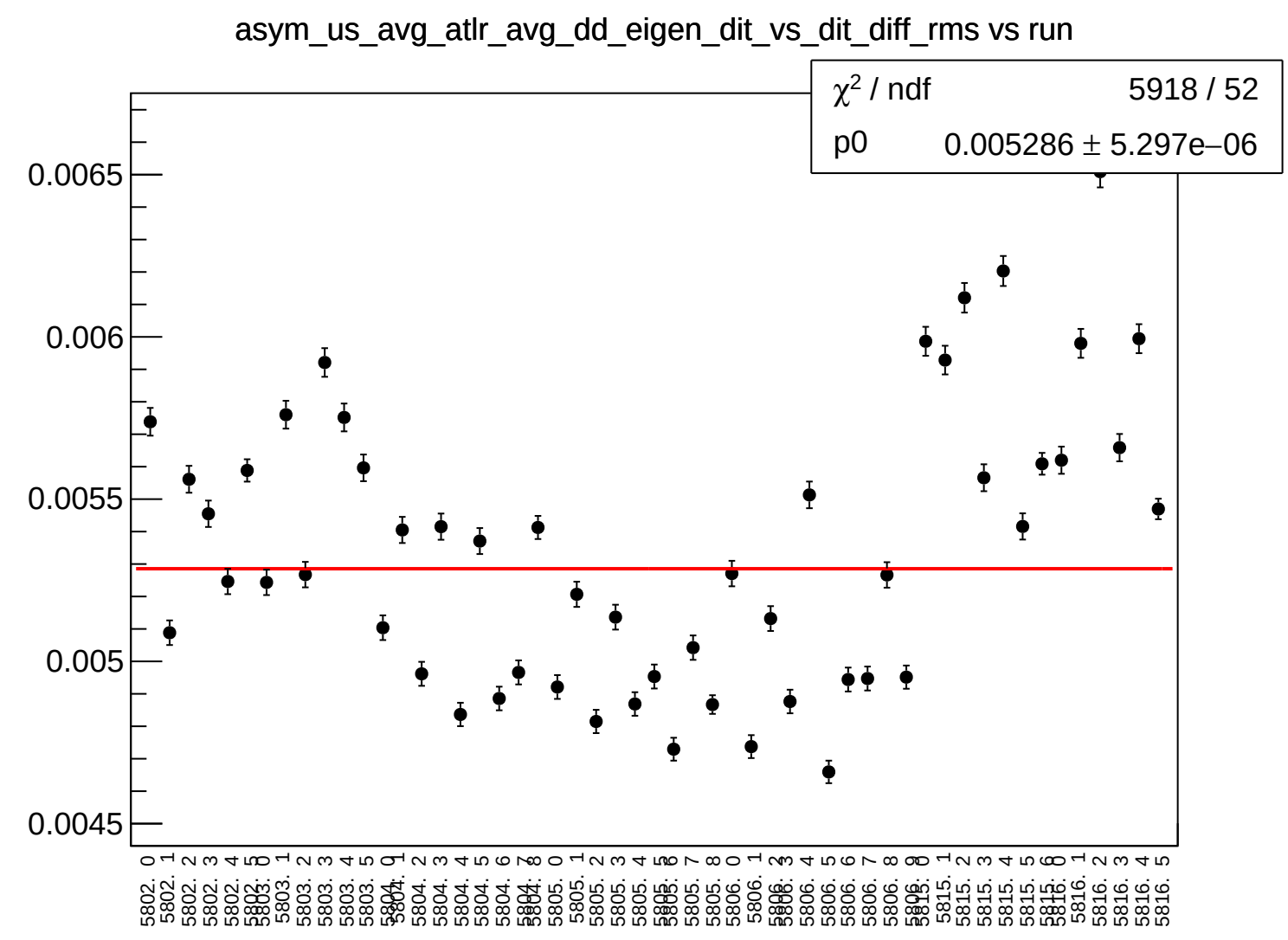

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.322e+04 / 52
p0 120.9 ± 0.1222
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

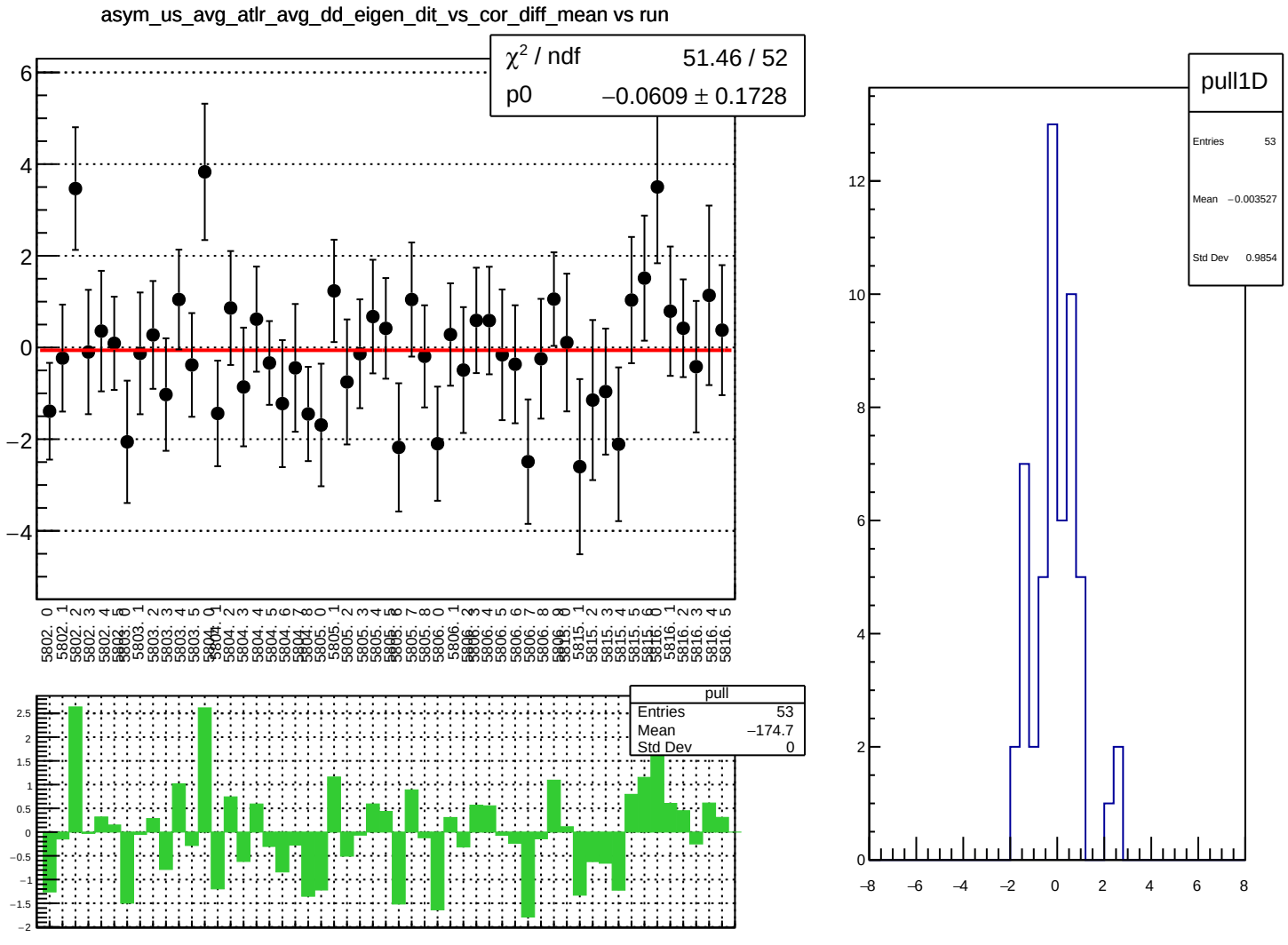

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.46 / 52
p0 −0.06091 ± 0.1728
pull
Entries 53
Mean −174.8
Std Dev 0
pull1D
Entries 53
Mean −0.003526
Std Dev 0.9853

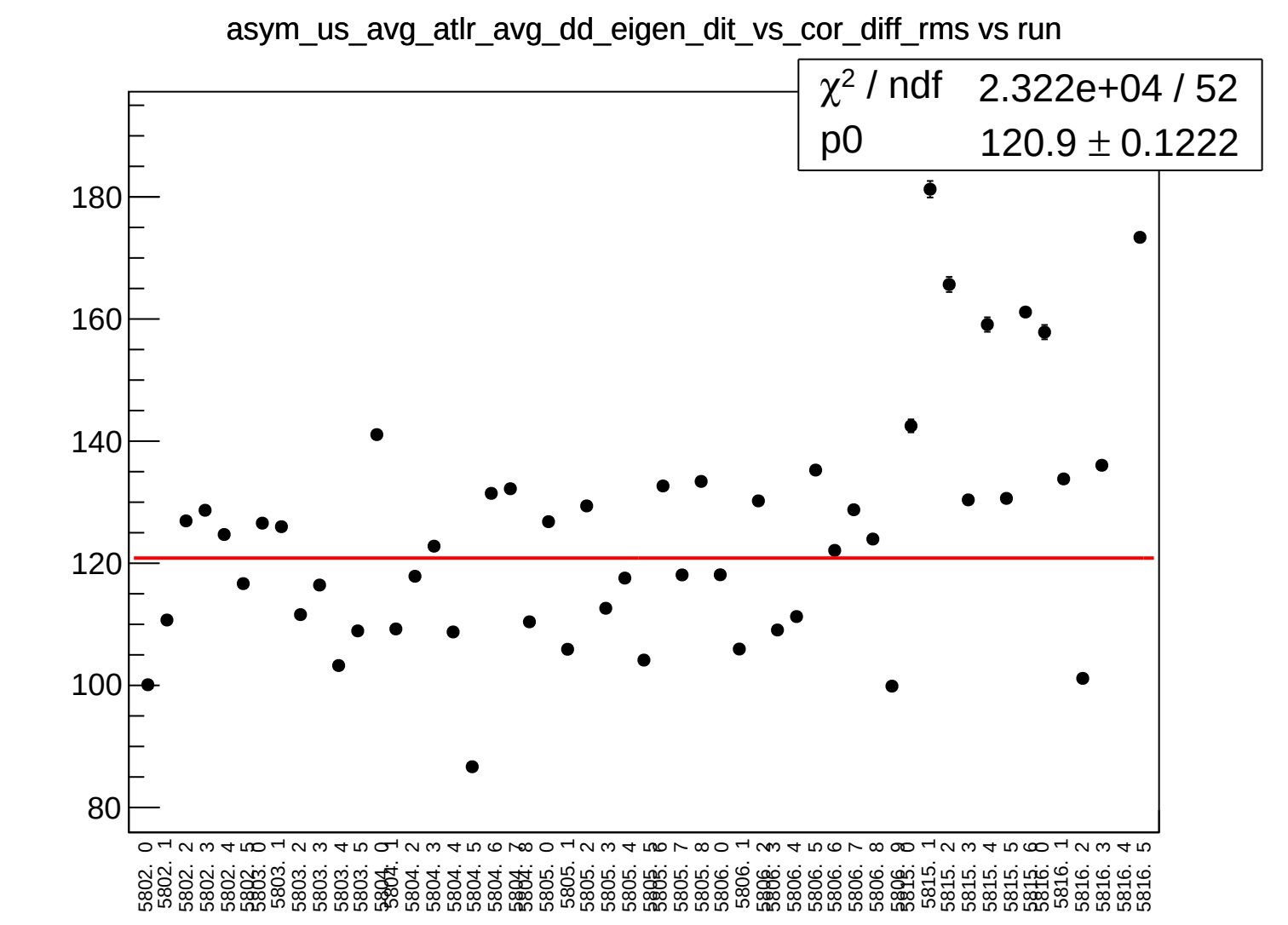

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.322e+04 / 52
p0 120.9 ± 0.1222
180
160
140
120
100
80

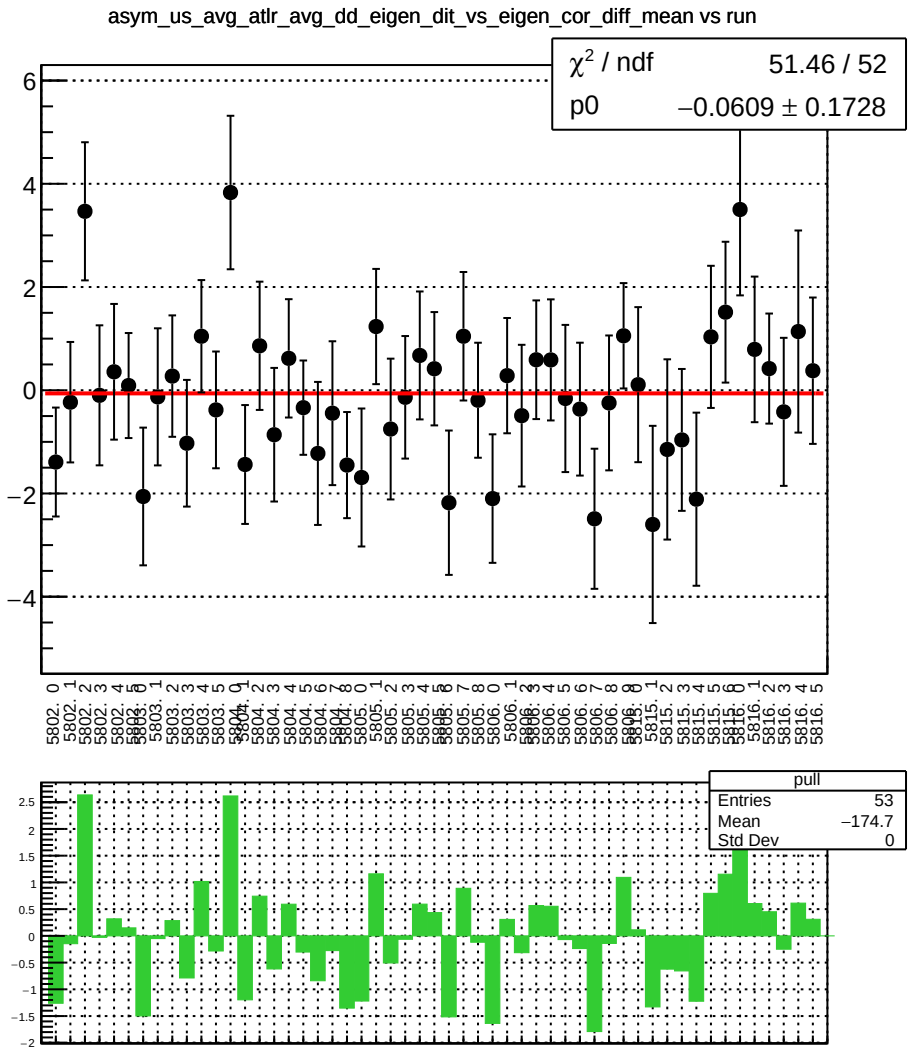

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.9 / 52
p0 −2.854e−06 ± 7.491e−06
pull
Entries 53
Mean −74.65
Std Dev 0

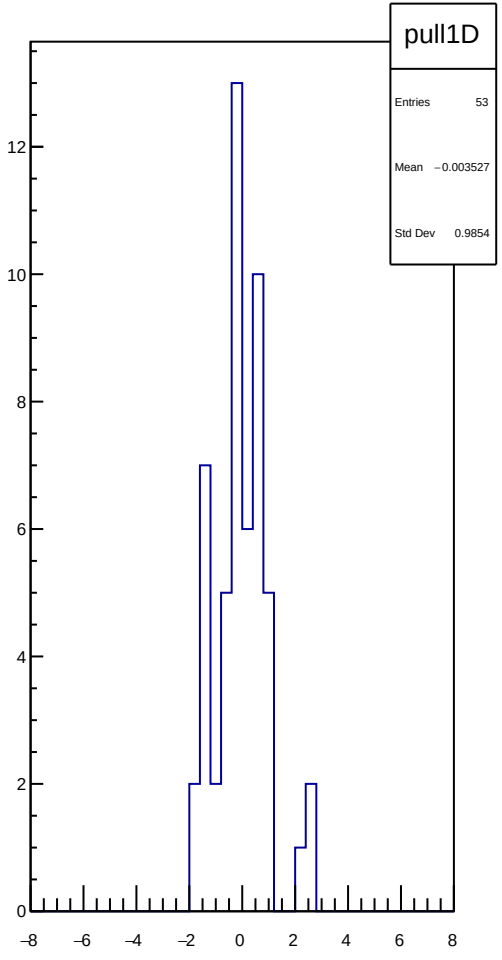

pull1D
Entries 53
Mean 0.02758
Std Dev 1.072

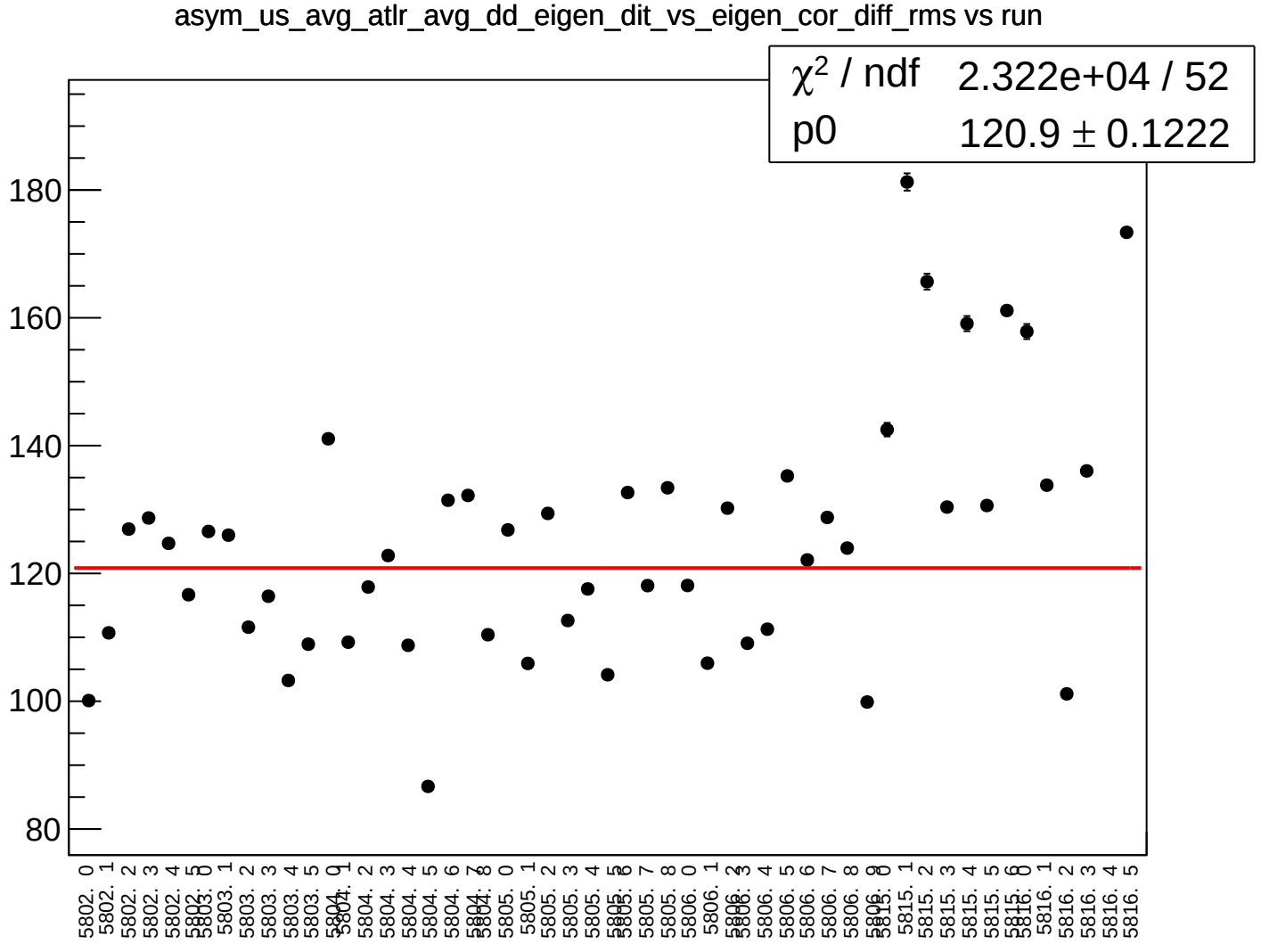

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5918 / 52
p0 0.005286 ± 5.297e−06
0.0065
0.006
0.0055
0.005
0.0045

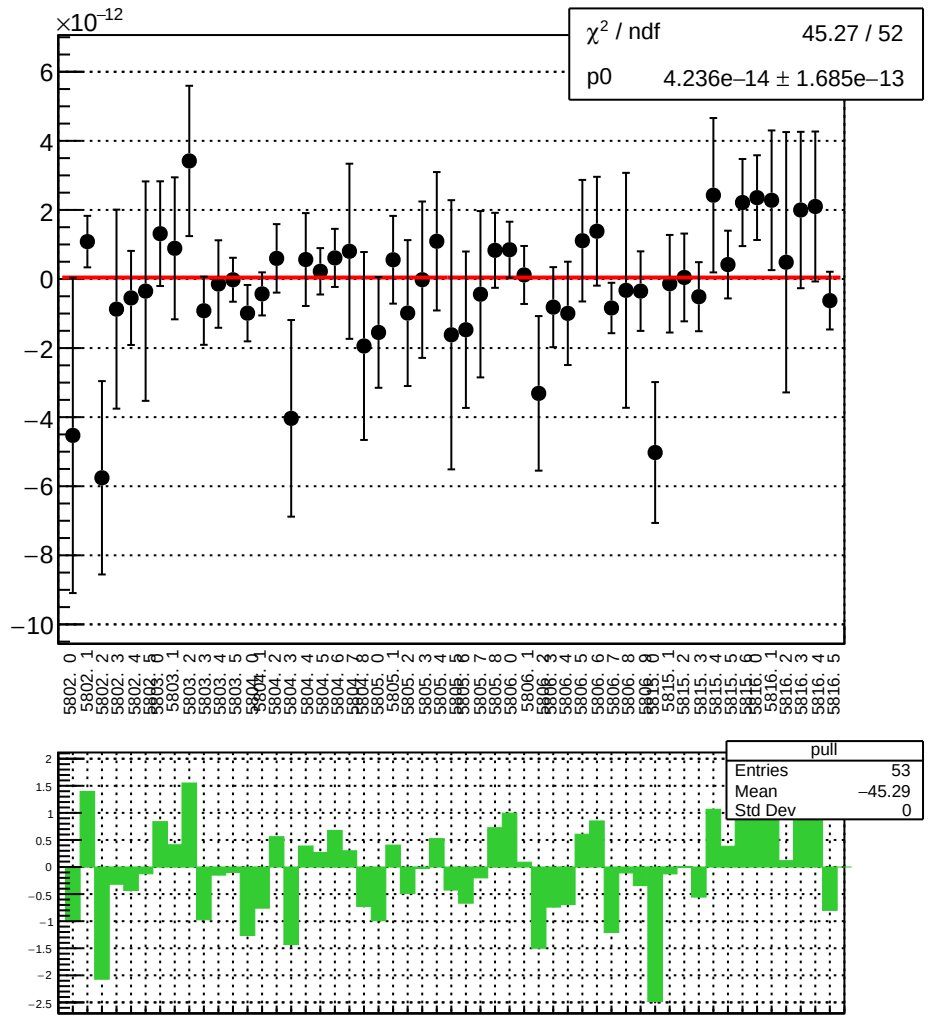

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.46 / 52
p0 −0.0609 ± 0.1728
pull
Entries 53
Mean −174.7
Std Dev 0
pull1D
Entries 53
Mean −0.003527
Std Dev 0.9854

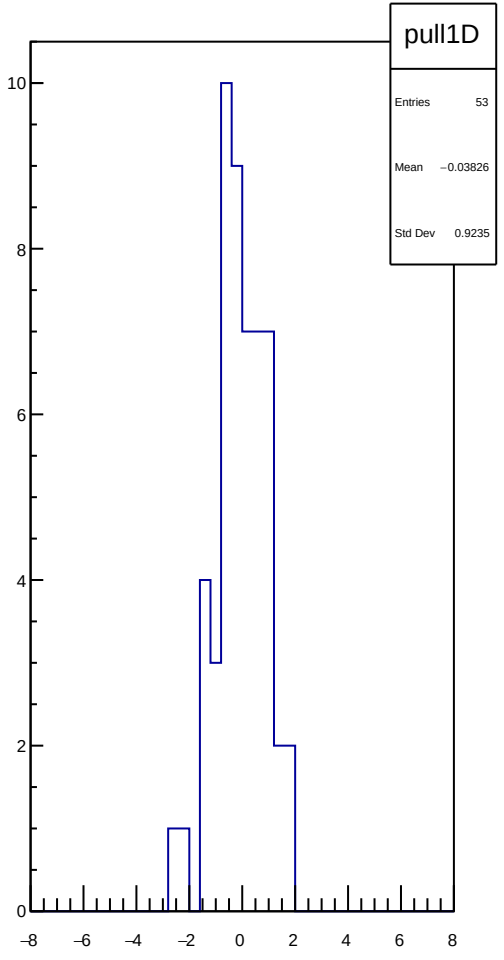

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.322e+04 / 52
p0 120.9 ± 0.1222
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

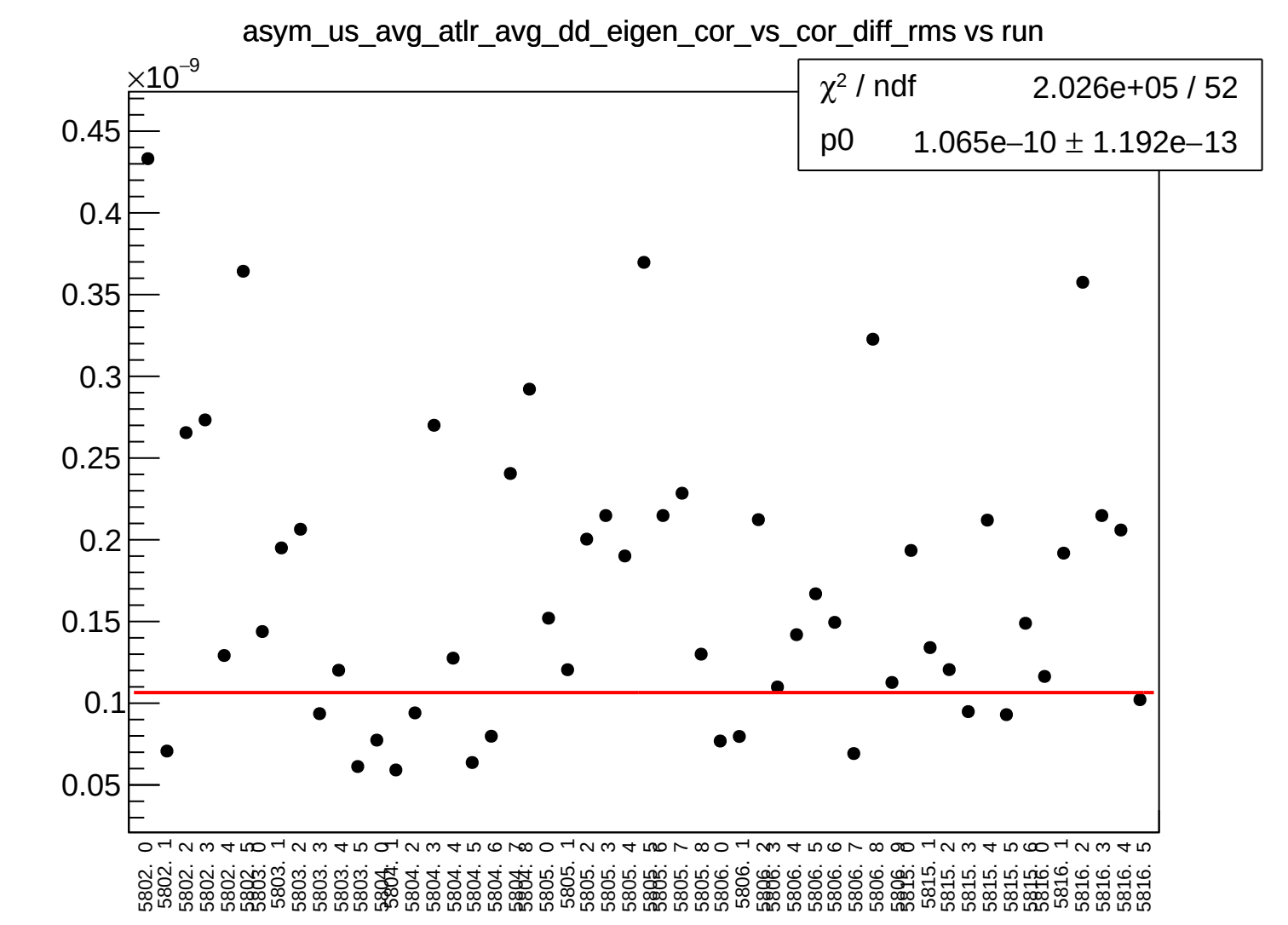

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.46 / 52
p0 −0.0609 ± 0.1728
pull
Entries 53
Mean −174.7
Std Dev 0

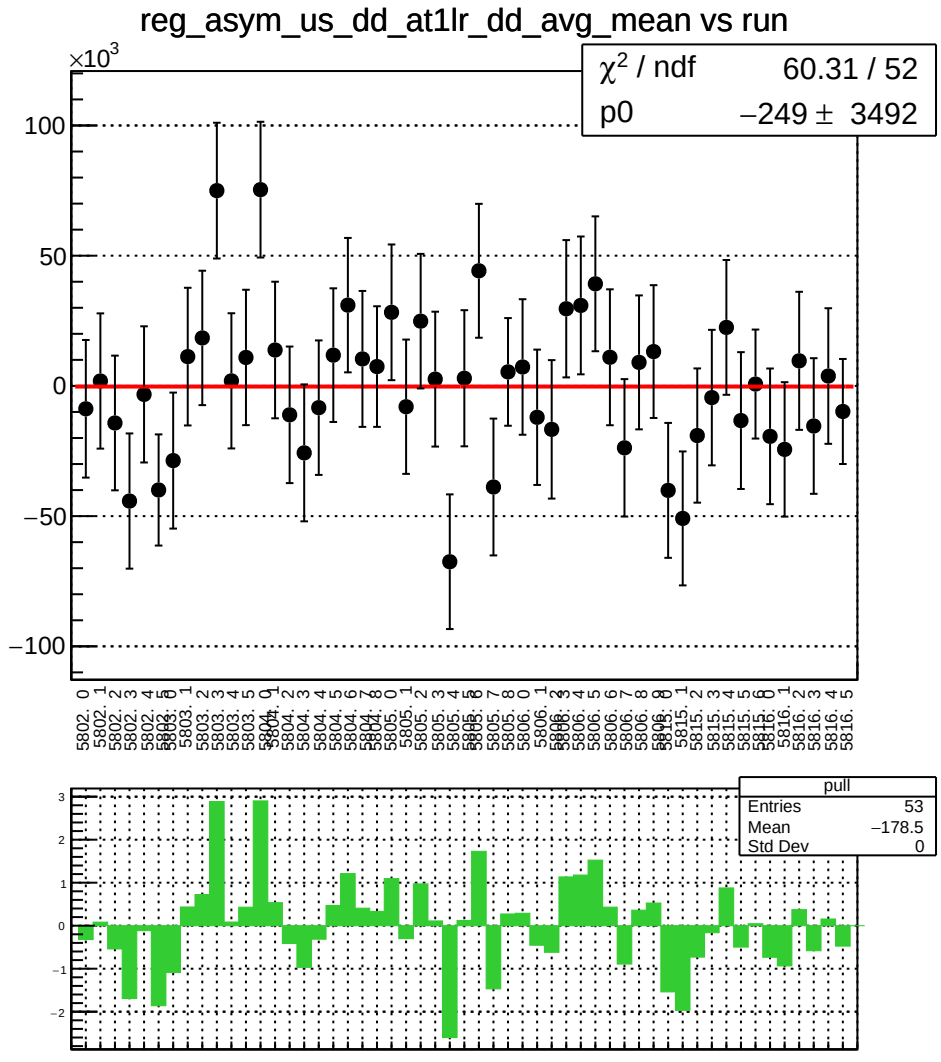

pull1D
Entries 53
Mean −0.003527
Std Dev 0.9854

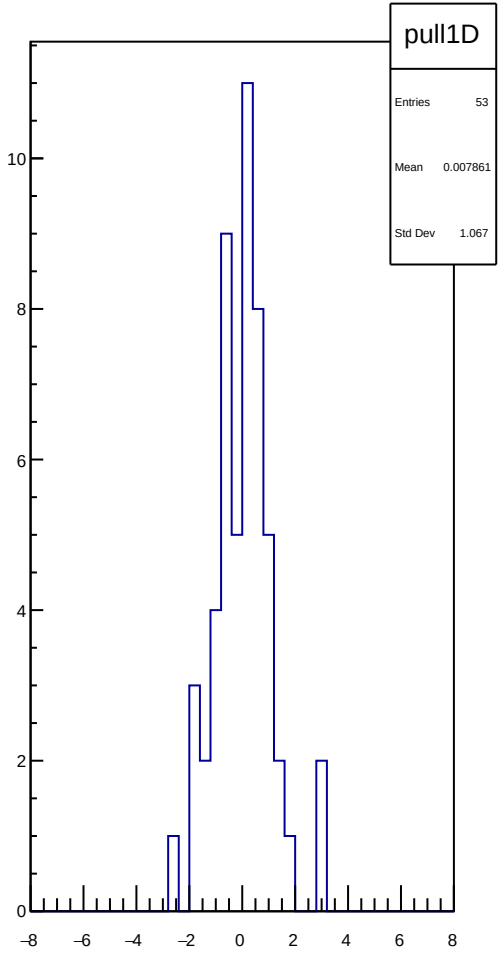

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.322e+04 / 52
p0 120.9 ± 0.1222
180
160
140
120
100
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

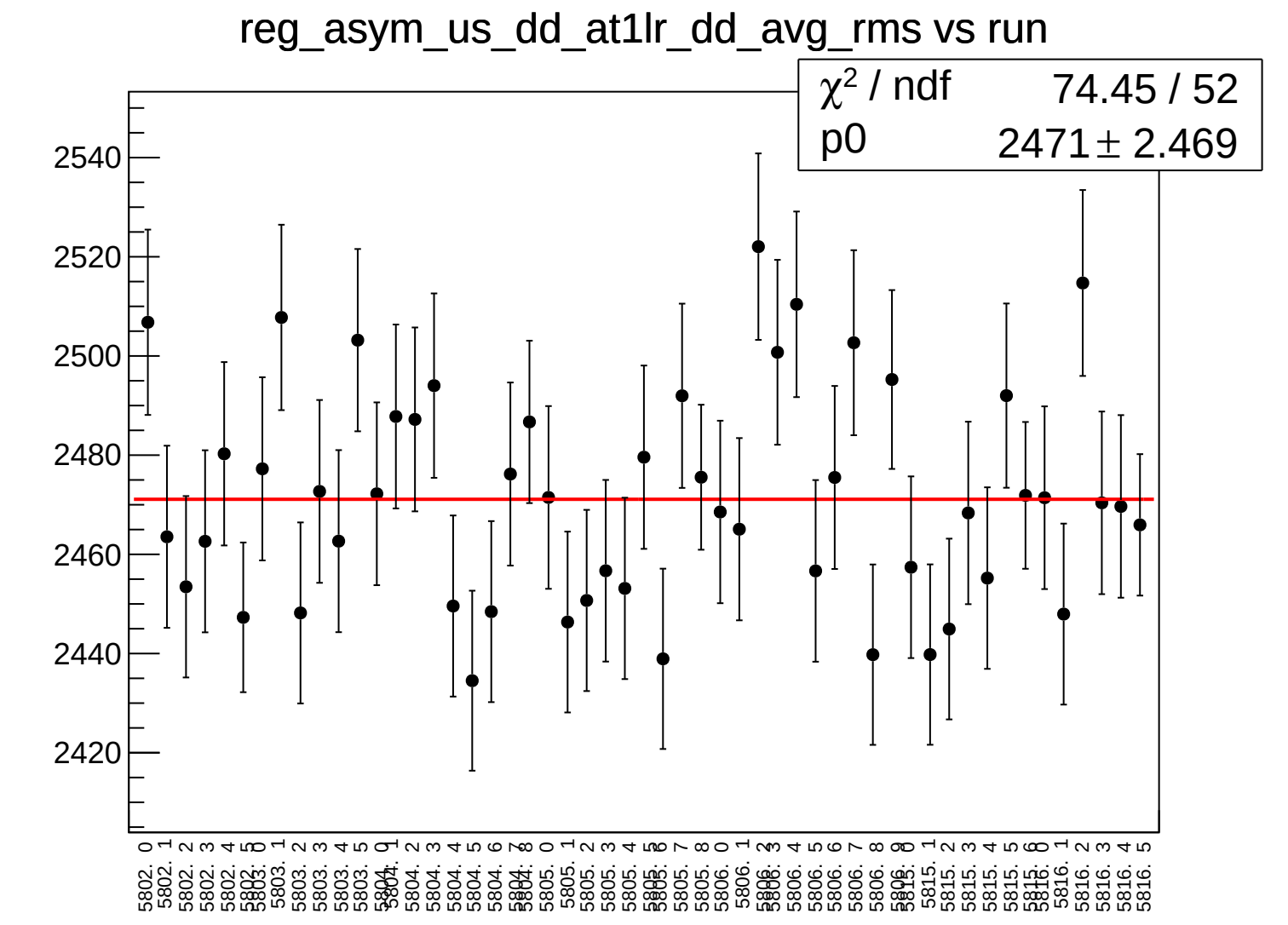

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.27 / 52
p0 4.236e−14 ± 1.685e−13
pull
Entries 53
Mean −45.29
Std Dev 0


pull1D
Entries 53
Mean −0.03826
Std Dev 0.9235


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.026e+05 / 52
p0 1.065e−10 ± 1.192e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 60.31 / 52
p0 −249 ± 3492
100
50
0
−50
−100
pull
Entries 53
Mean −178.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.007861
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 74.45 / 52
p0 2471 ± 2.469
2540
2520
2500
2480
2460
2440
2420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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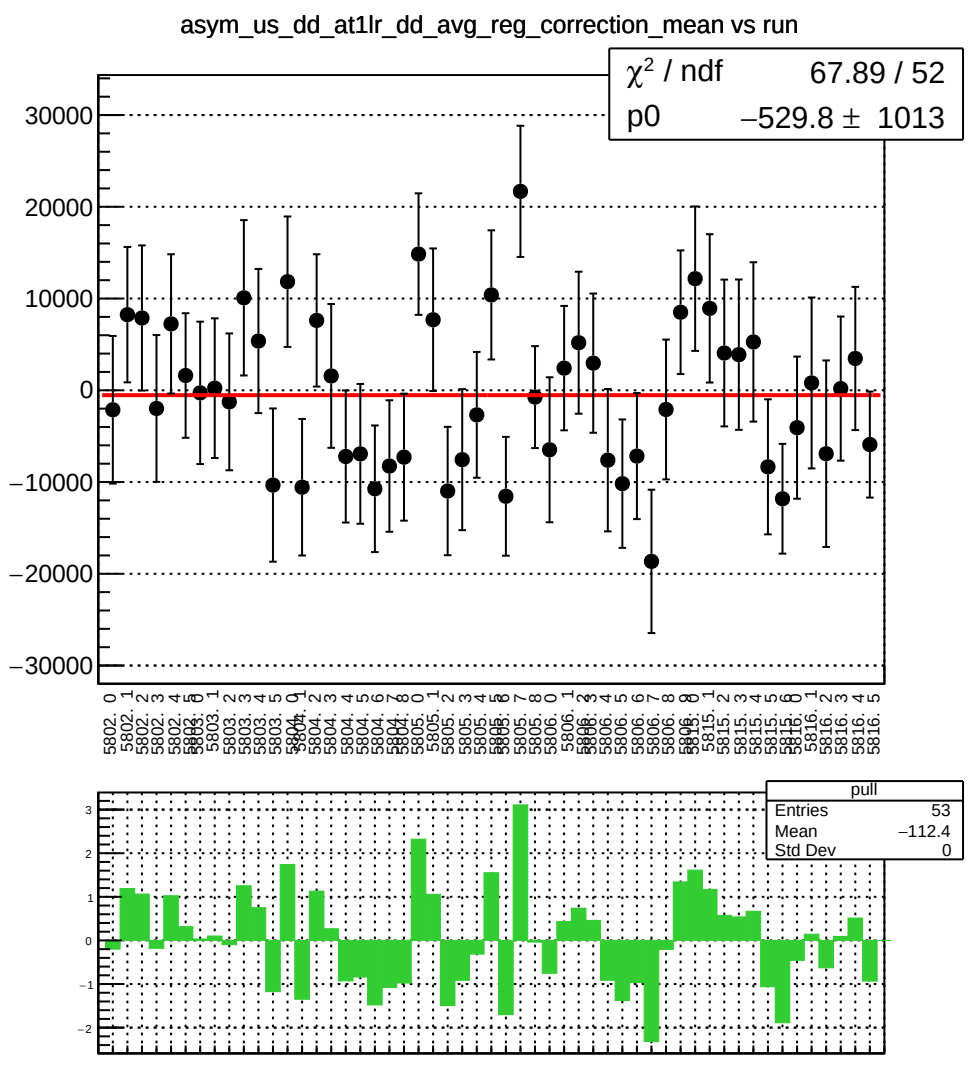
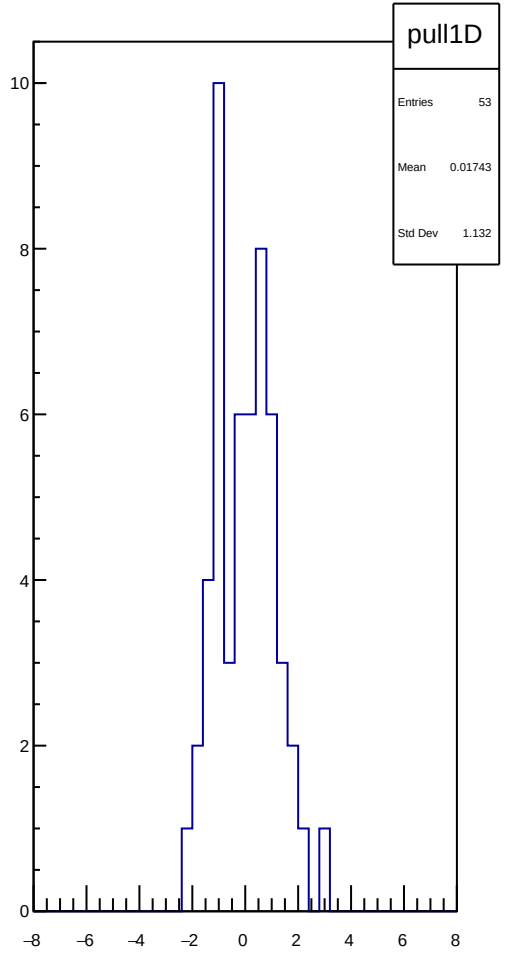
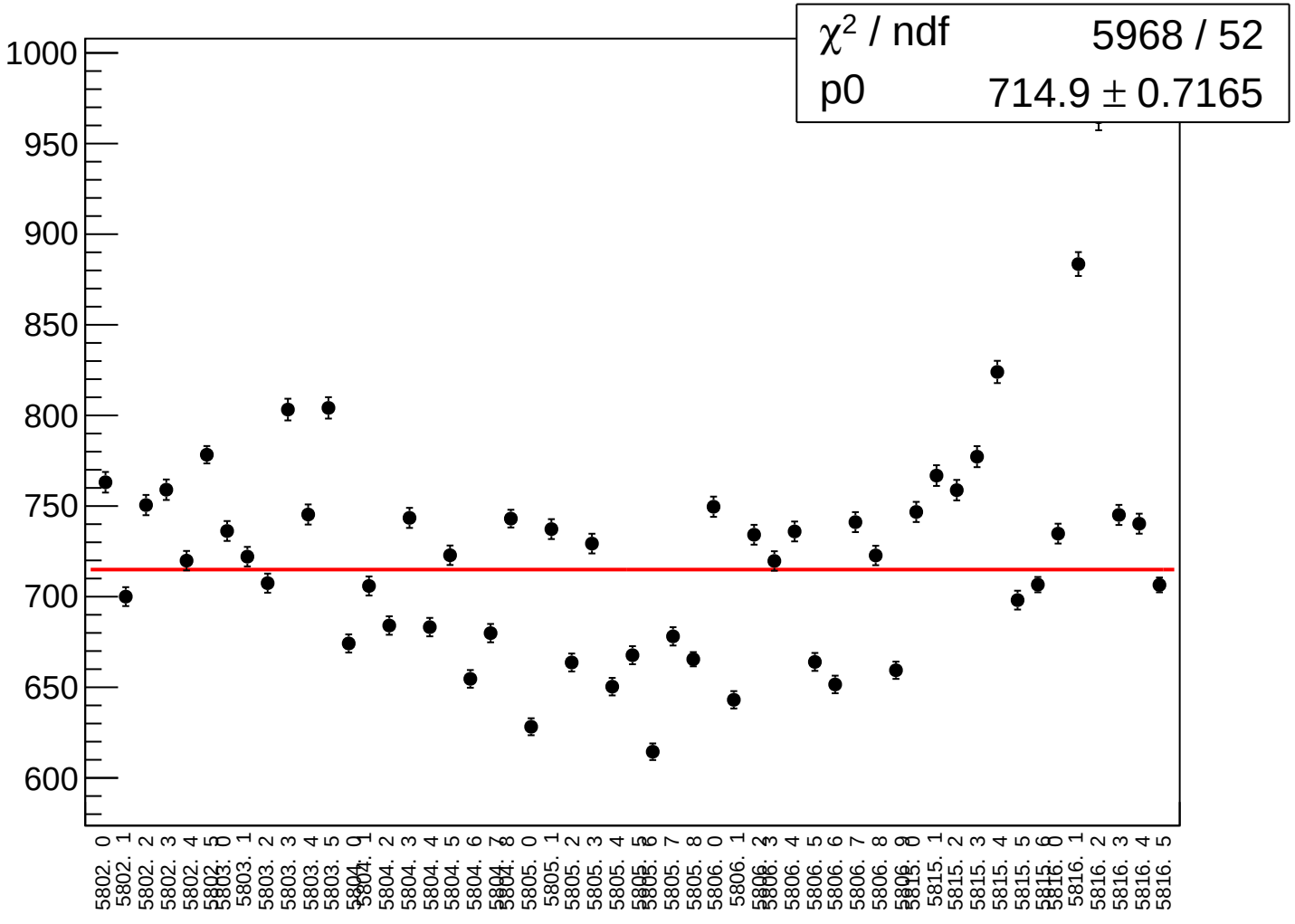
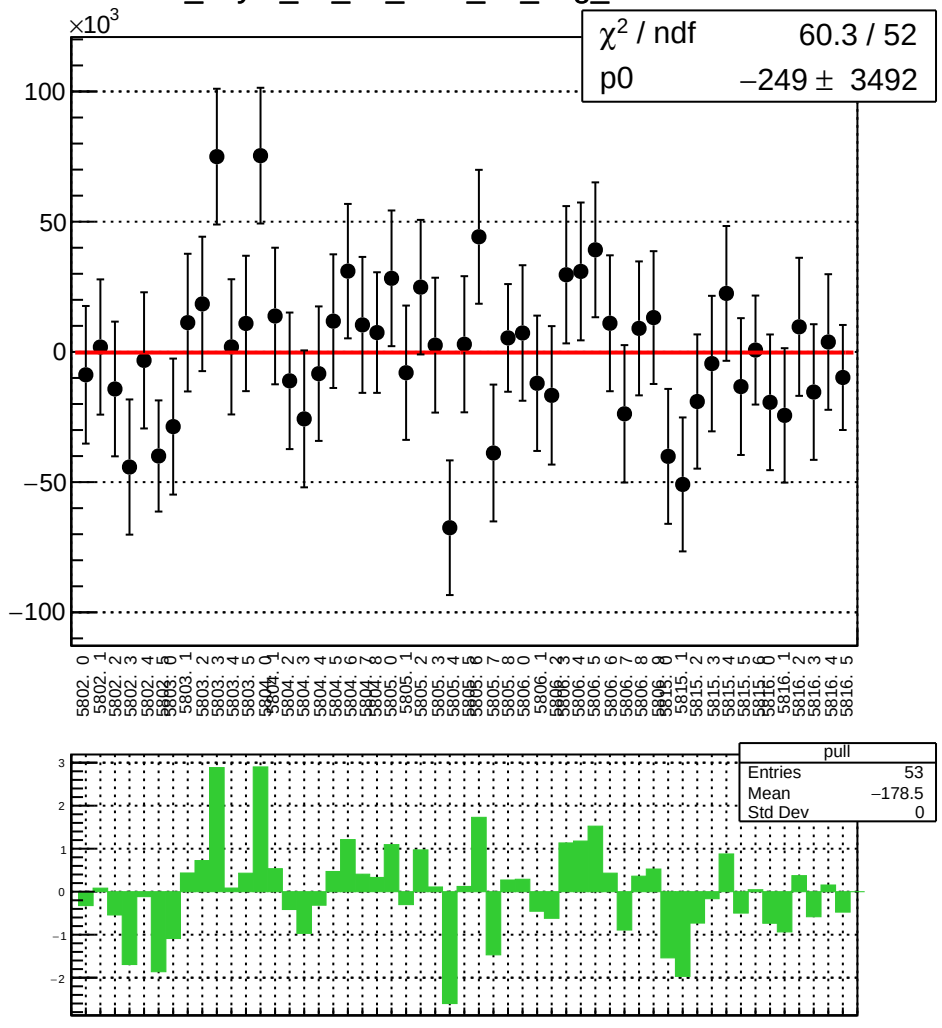
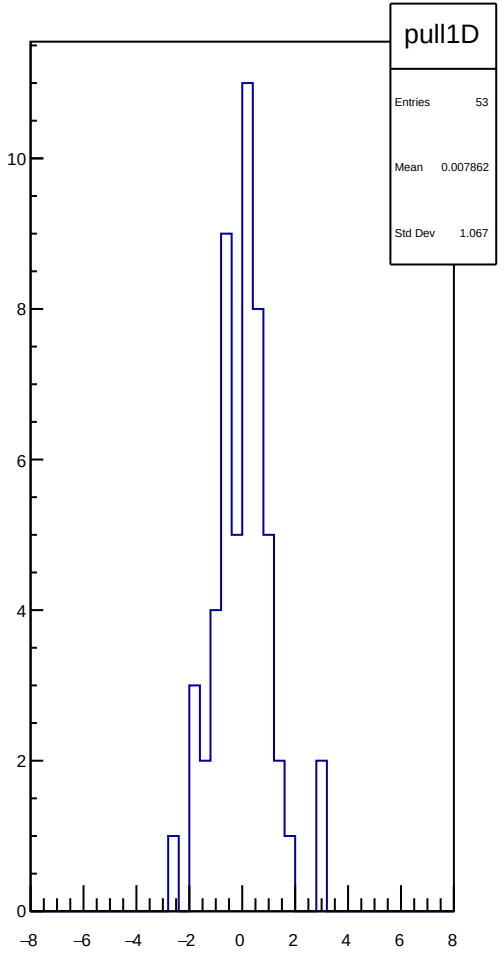
5816. 4
5816. 5

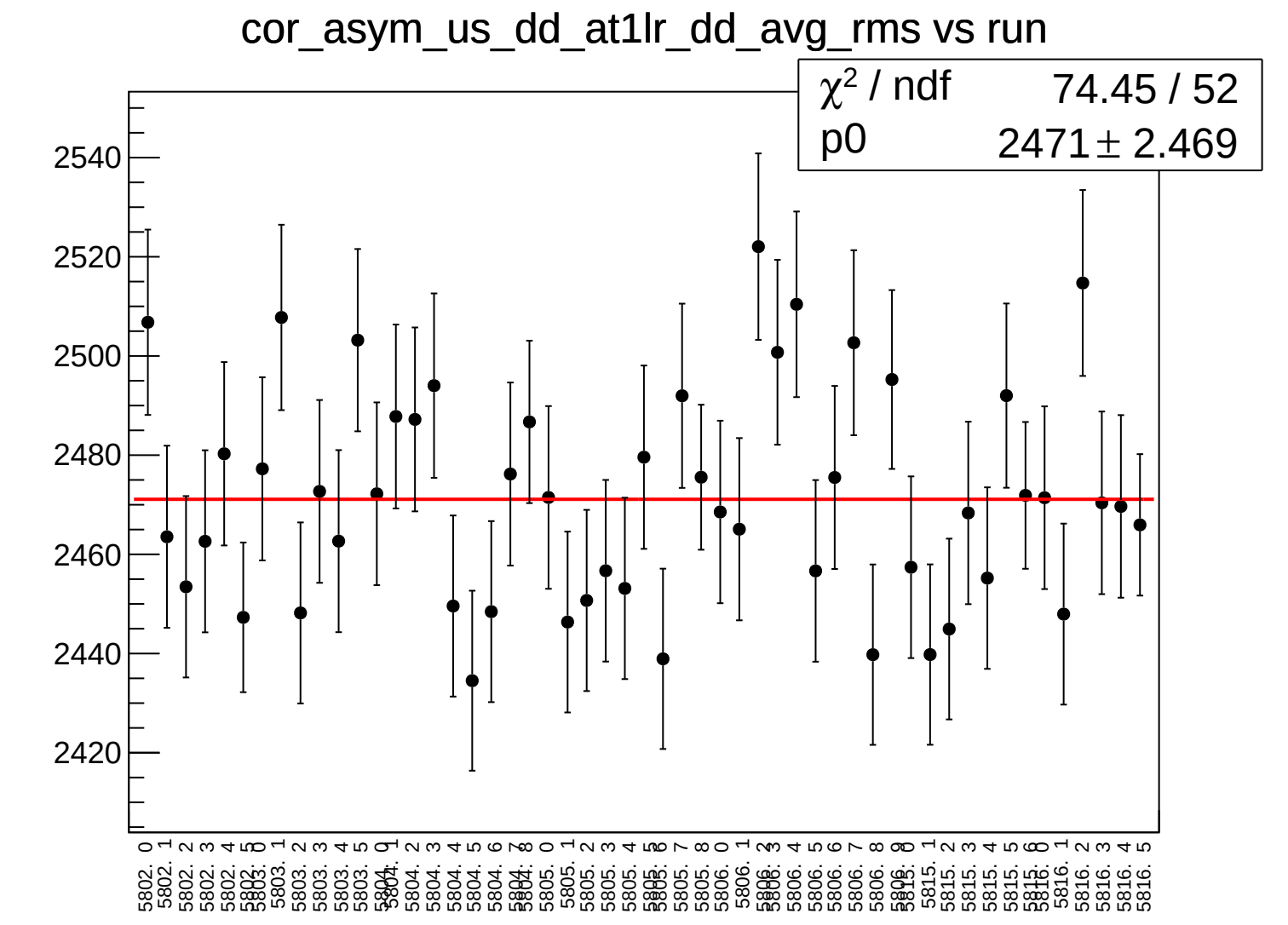

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 67.89 / 52
p0 −529.8 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −112.4
Std Dev 0
3
2
1
0
−1
−2

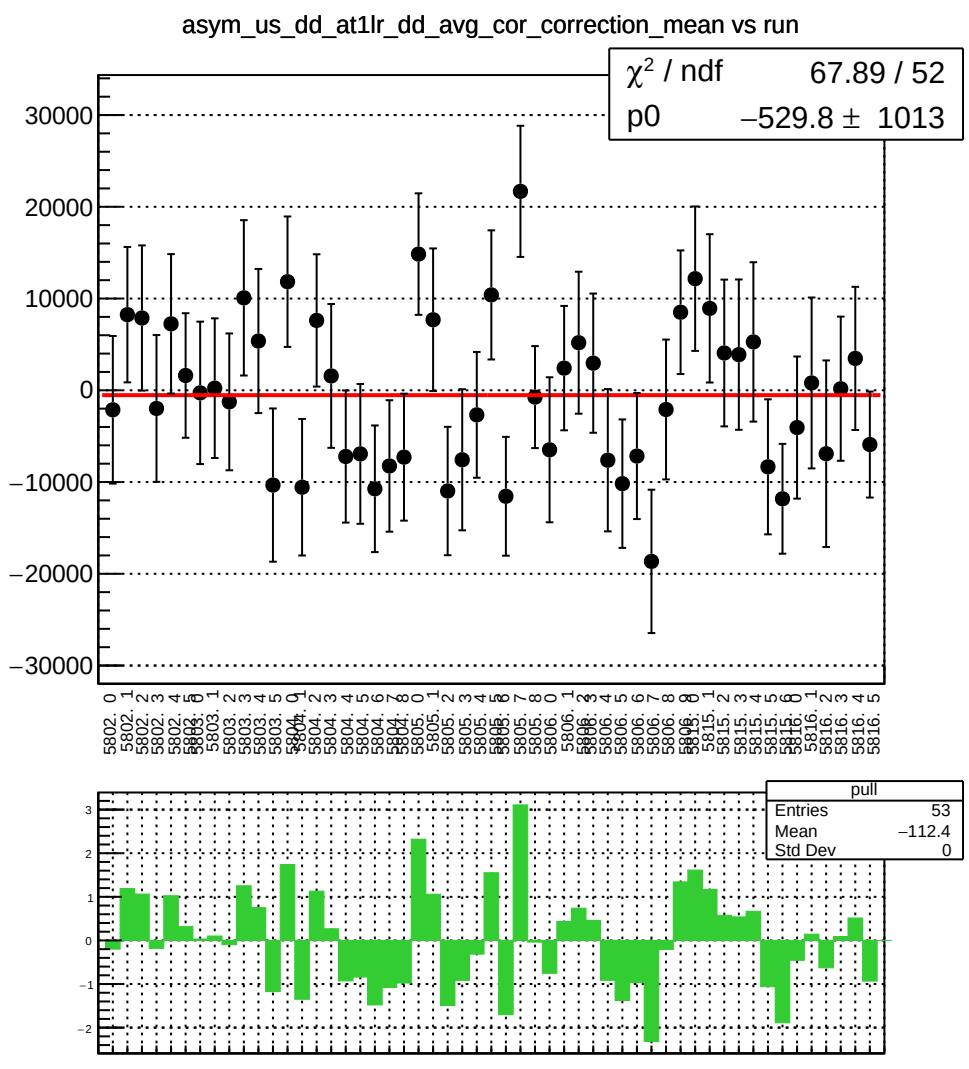

pull1D
Entries 53
Mean 0.01743
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

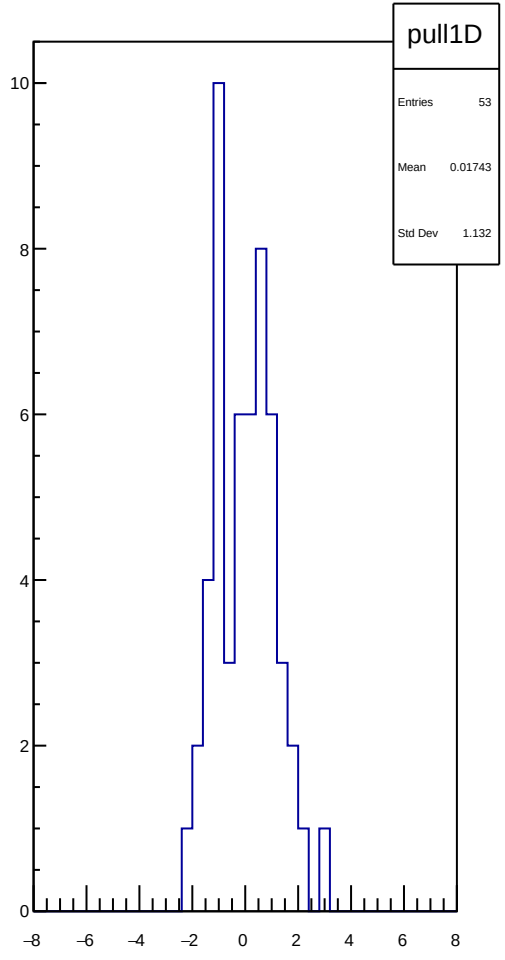

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5968 / 52
p0 714.9 ± 0.7165
1000
950
900
850
800
750
700
650
600

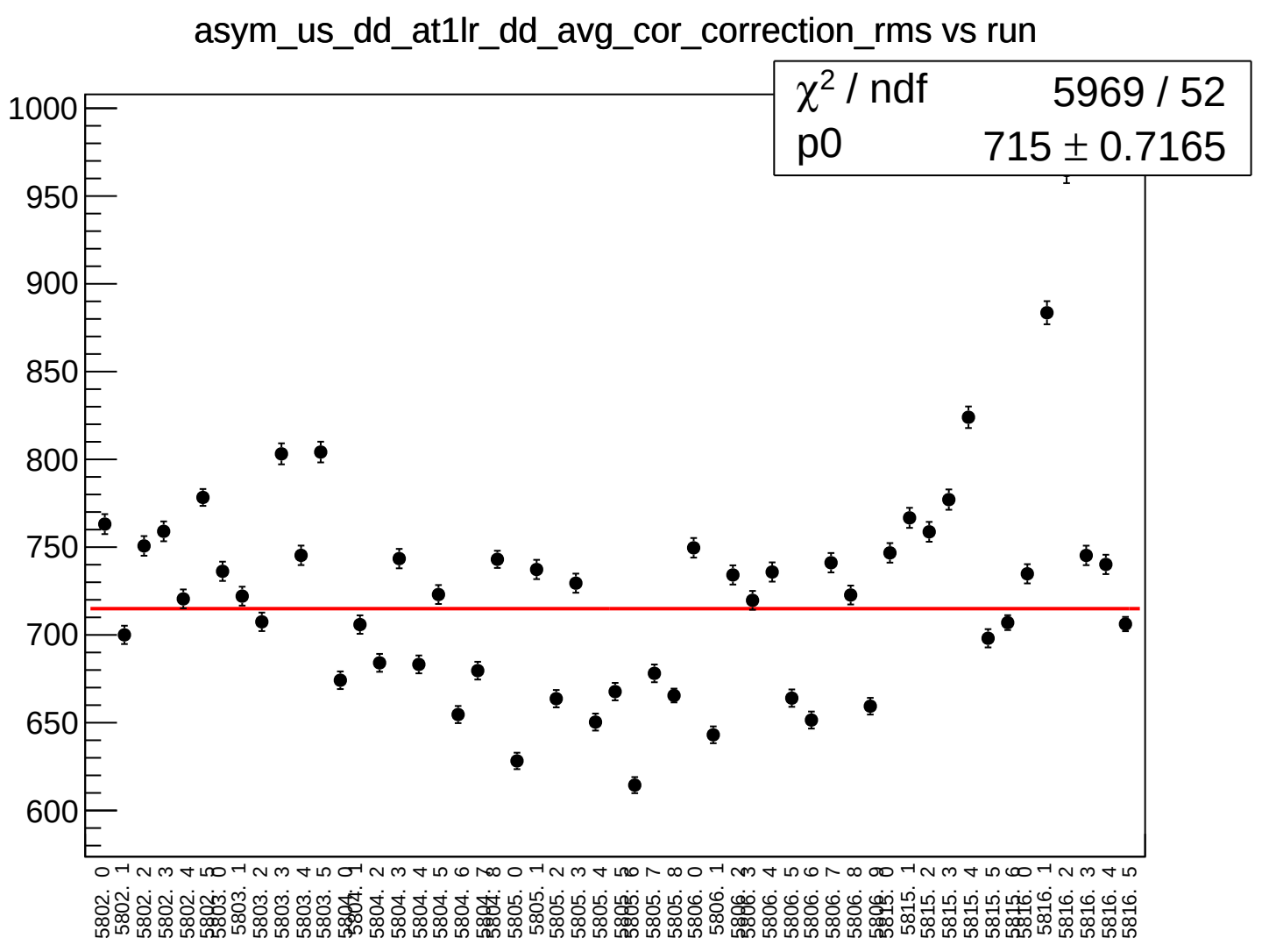

cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 60.3 / 52
p0 −249 ± 3492
100
50
0
−50
−100
pull
Entries 53
Mean −178.5
Std Dev 0
3
2
1
0
−1
−2

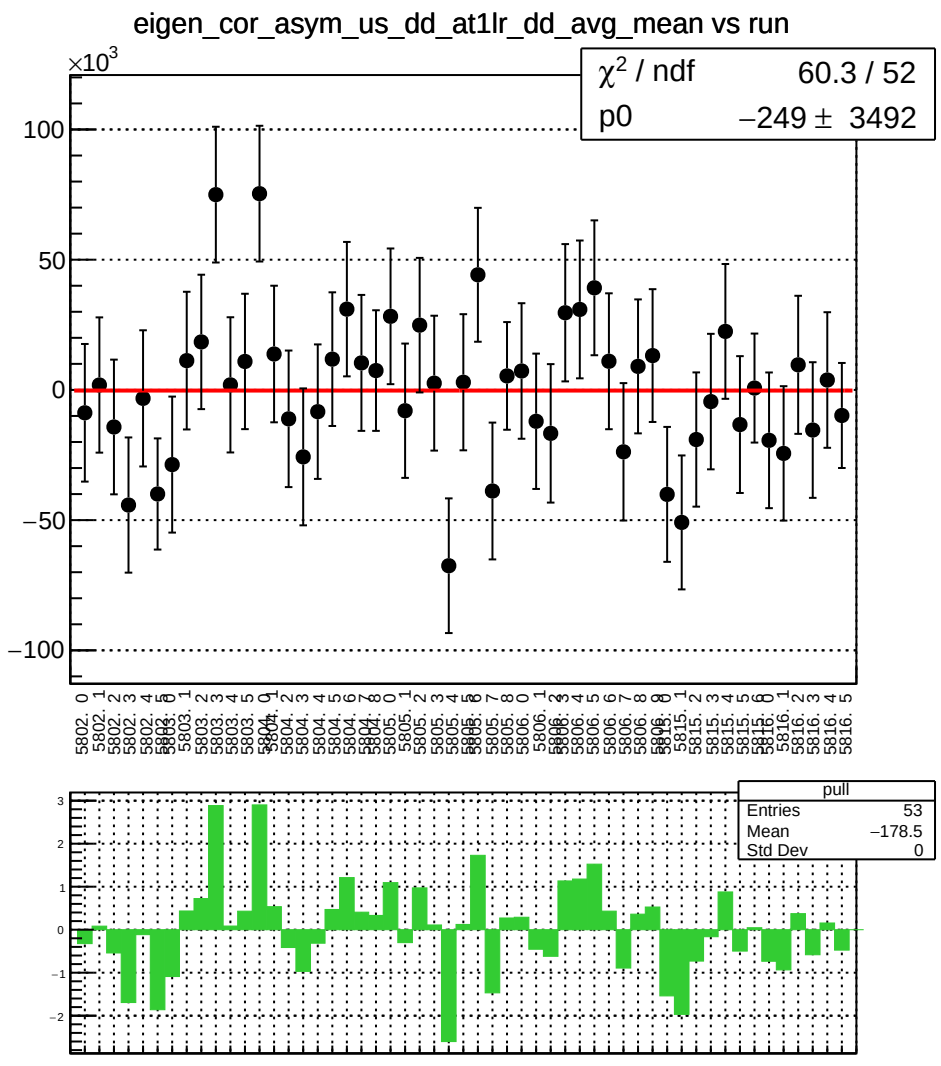

pull1D
Entries 53
Mean 0.007862
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

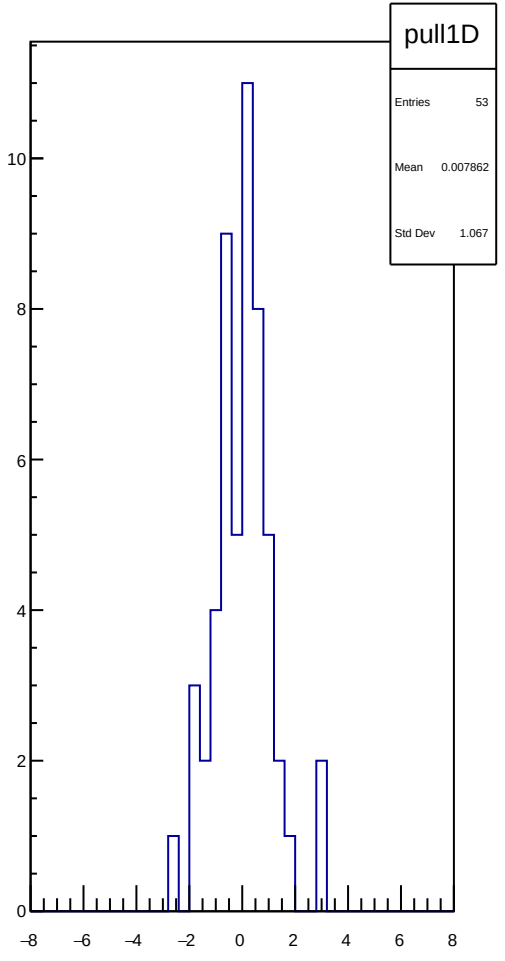

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 74.45 / 52
p0 2471 ± 2.469
2540
2520
2500
2480
2460
2440
2420

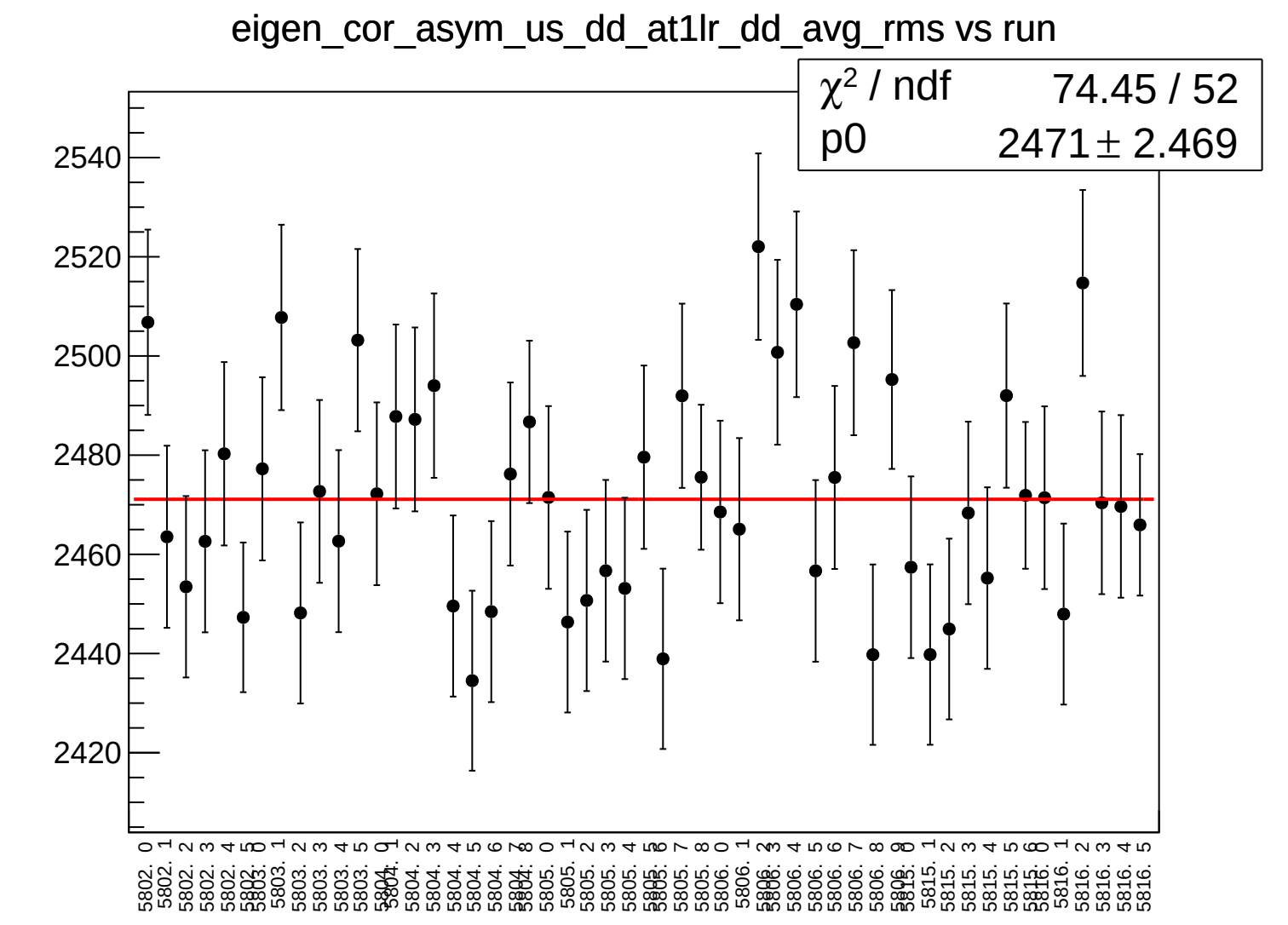

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 67.89 / 52
p0 −529.8 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −112.4
Std Dev 0
3
2
1
0
−1
−2

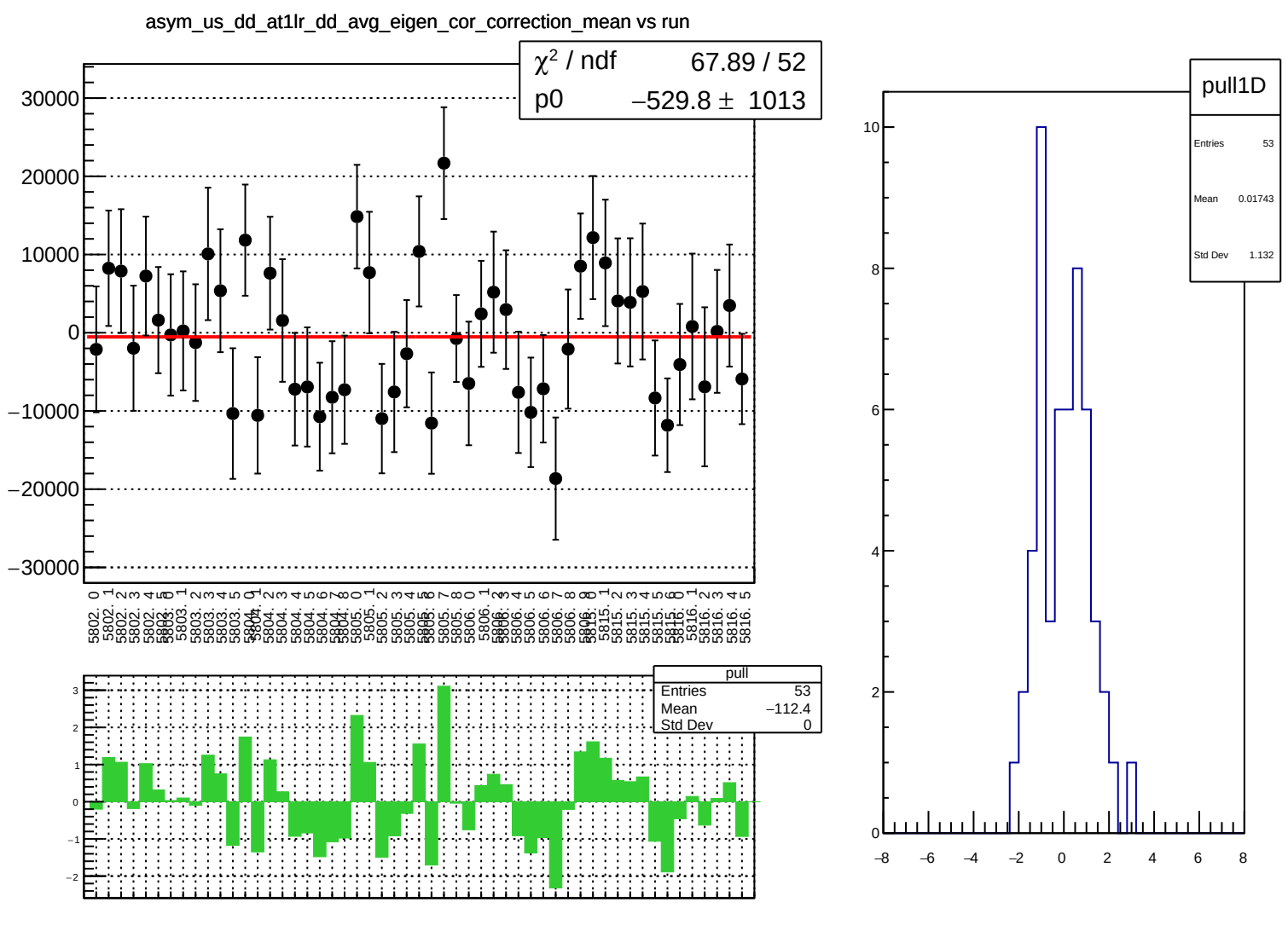

pull1D
Entries 53
Mean 0.01743
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

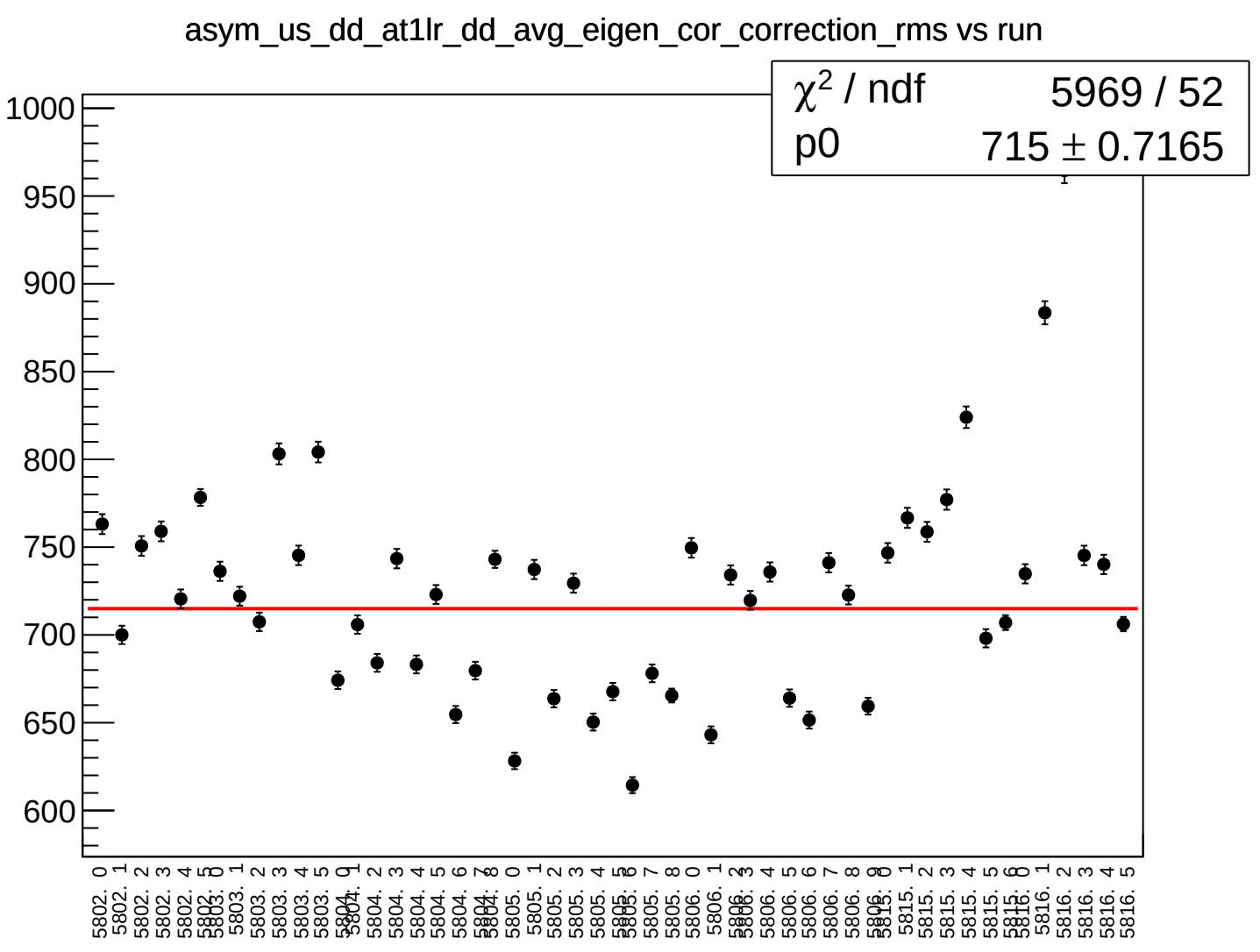

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5969 / 52
p0 715 ± 0.7165
1000
950
900
850
800
750
700
650
600

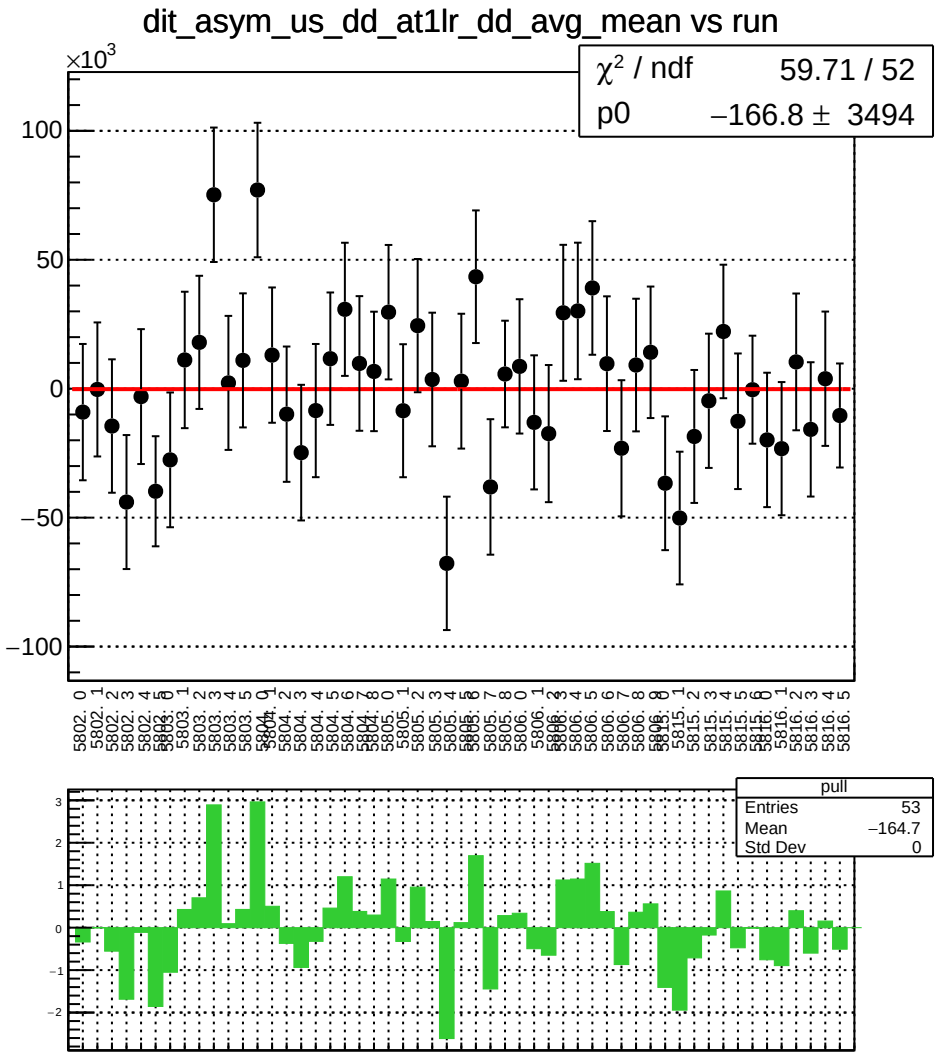

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 60.3 / 52
p0 −249 ± 3492
100
50
0
−50
−100
pull
Entries 53
Mean −178.5
Std Dev 0
3
2
1
0
−1
−2

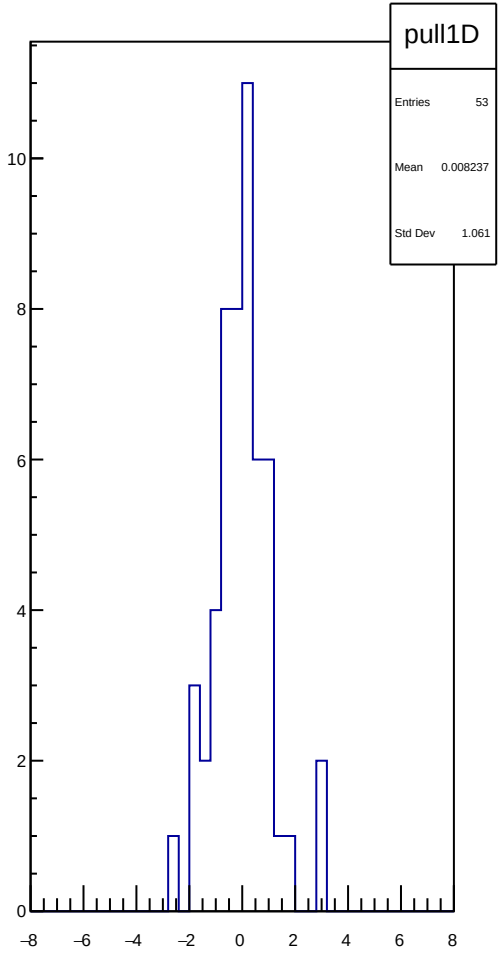

pull1D
Entries 53
Mean 0.007862
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

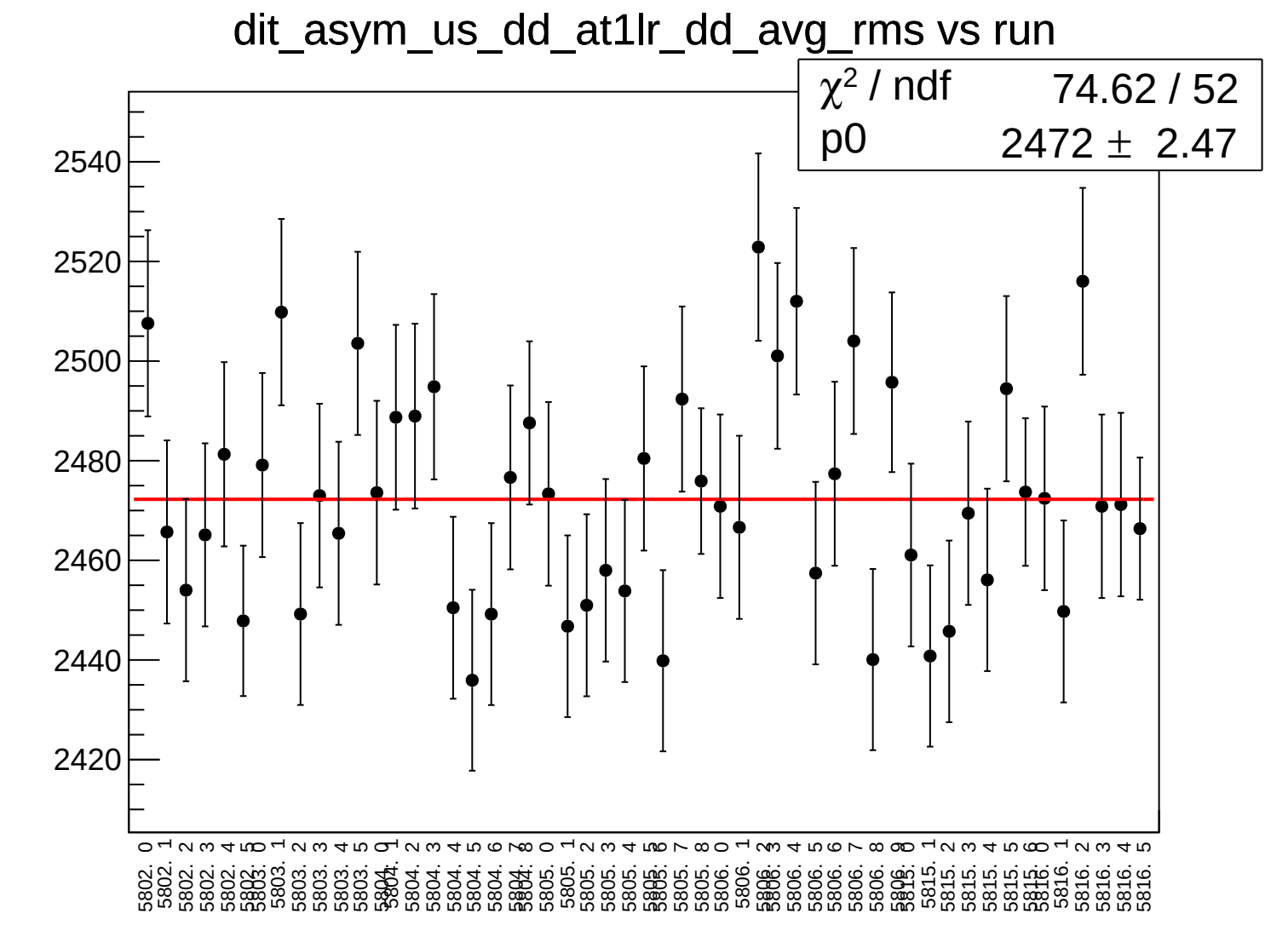

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 74.45 / 52
p0 2471 ± 2.469
2540
2520
2500
2480
2460
2440
2420

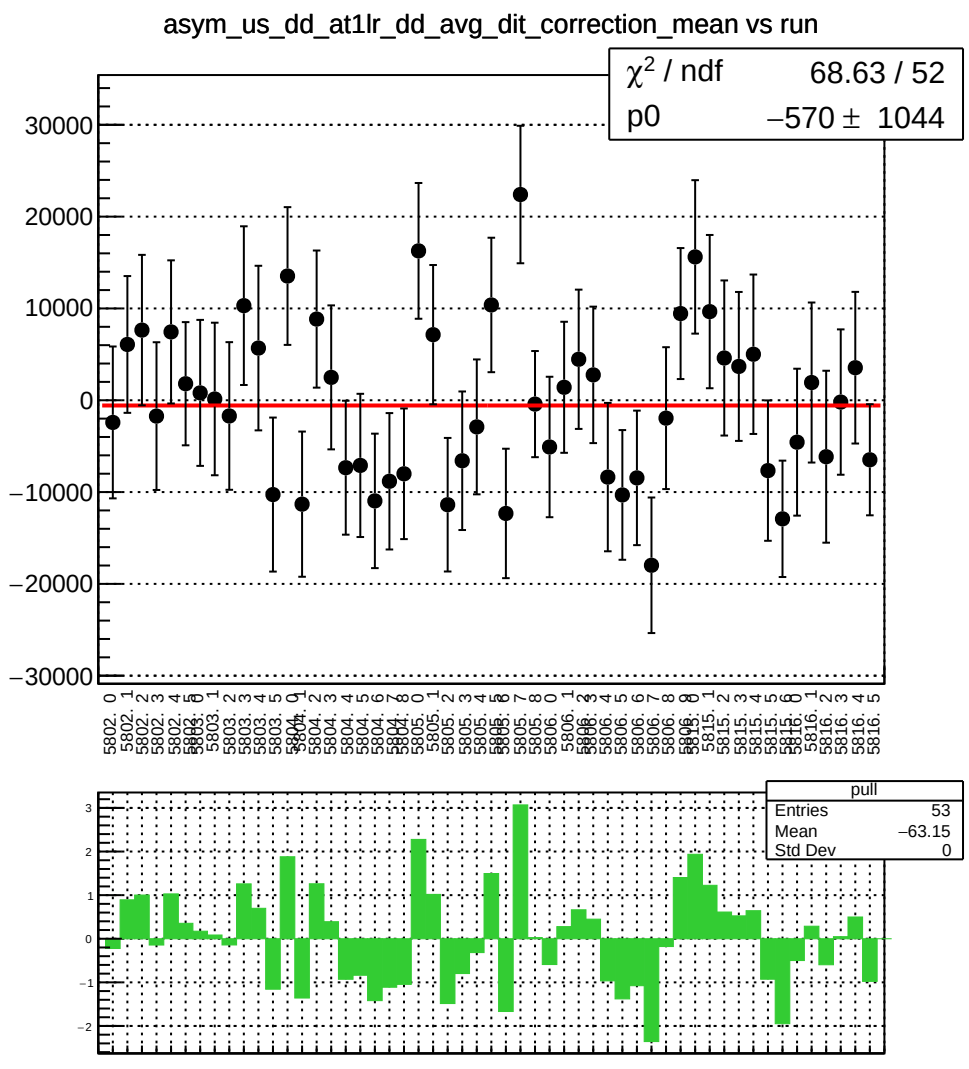

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.89 / 52
p0 −529.8 ± 1013
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −112.4
Std Dev 0
pull1D
Entries 53
Mean 0.01743
Std Dev 1.132

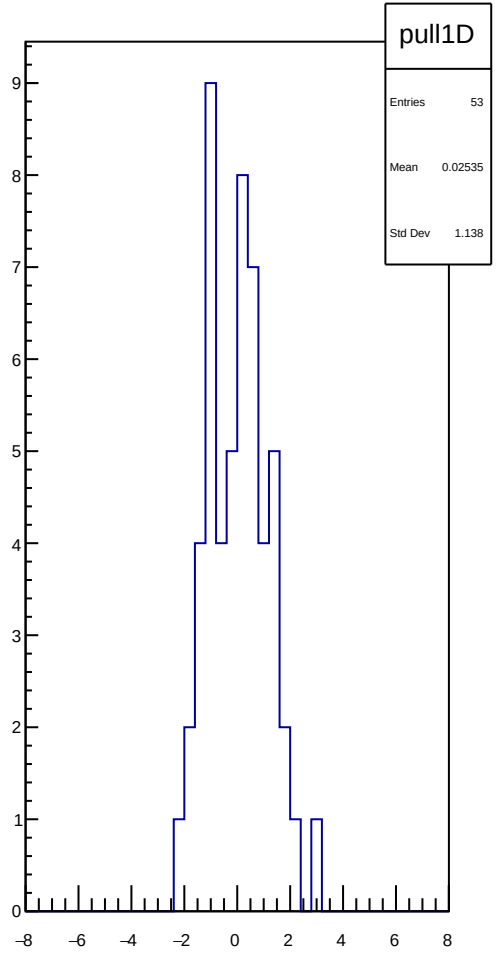

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5969 / 52
p0 715 ± 0.7165
1000
950
900
850
800
750
700
650
600

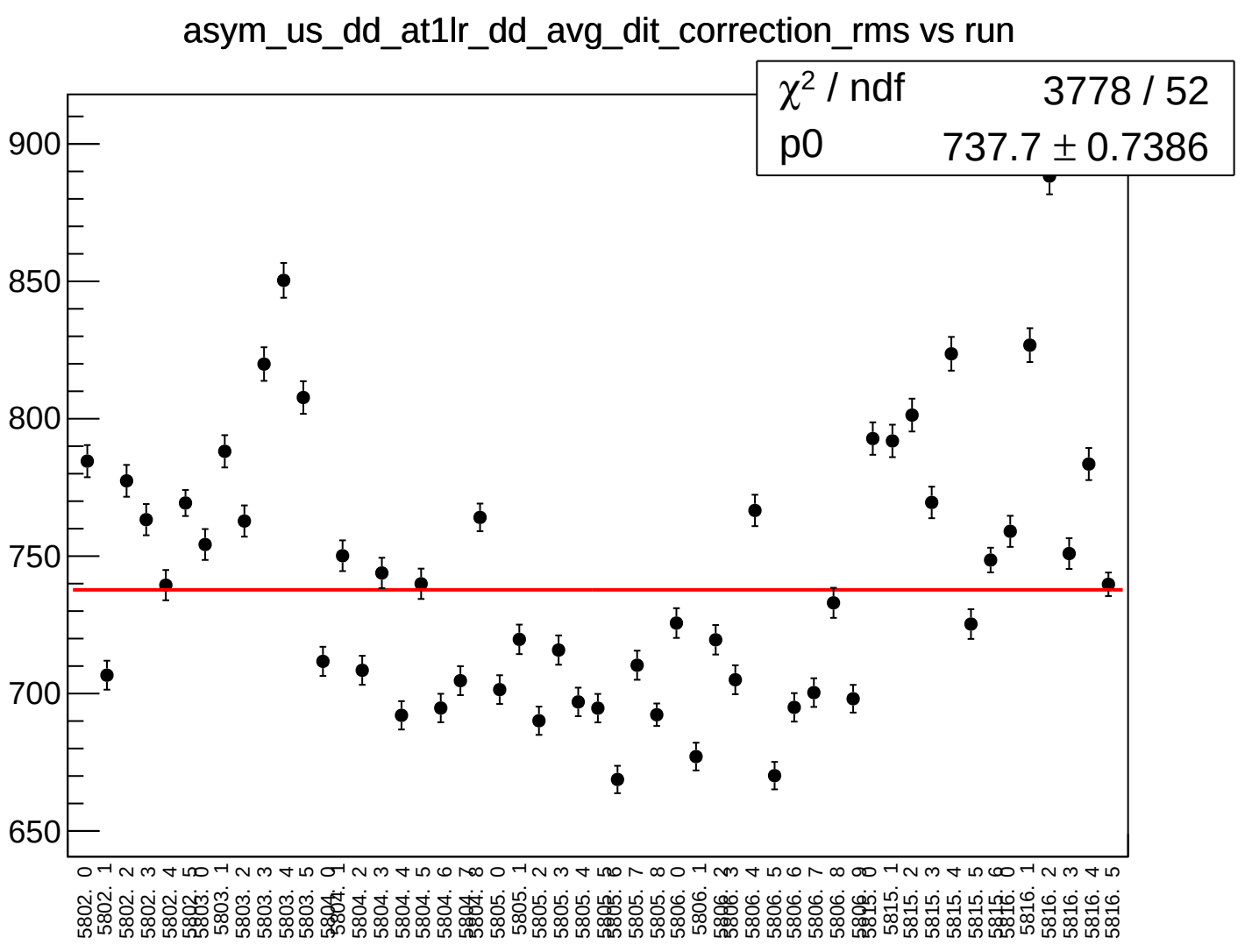

dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.71 / 52
p0 −166.8 ± 3494
100
50
0
−50
−100
pull
Entries 53
Mean −164.7
Std Dev 0
3
2
1
0
−1
−2

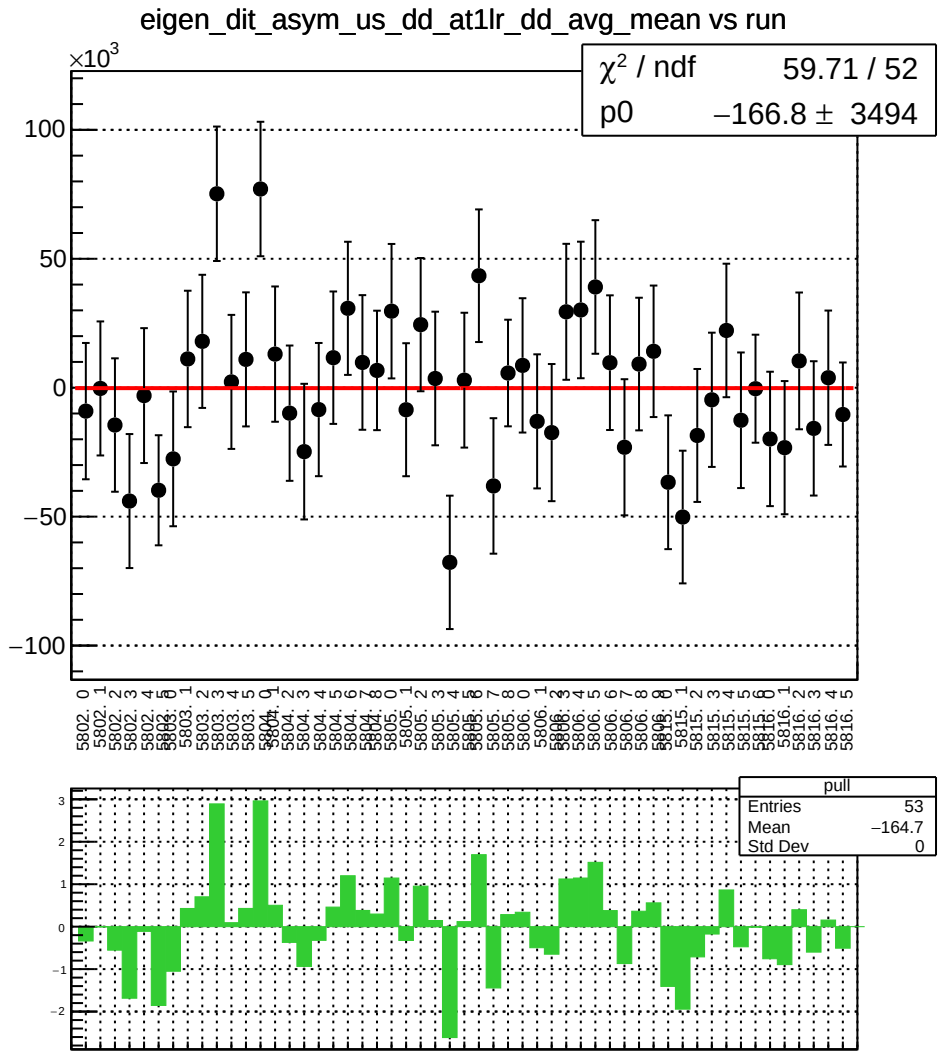

pull1D
Entries 53
Mean 0.008237
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

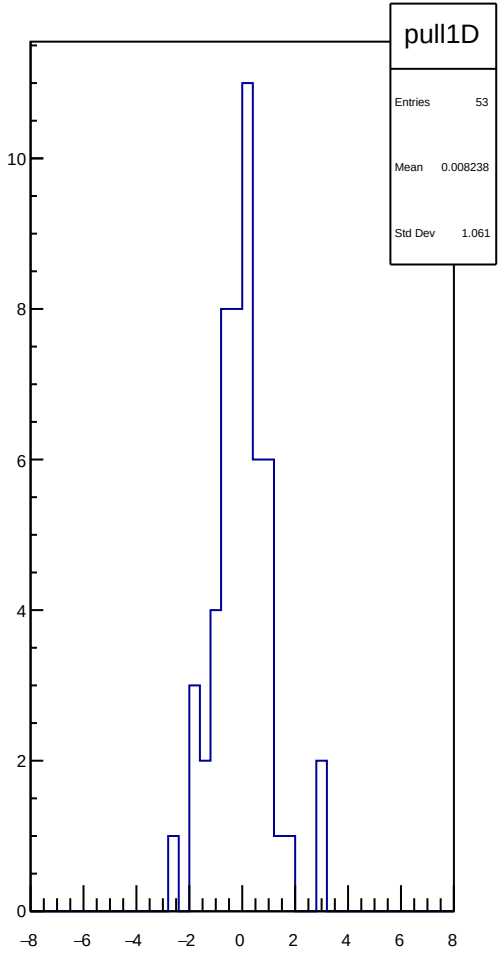

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 74.62 / 52
p0 2472 ± 2.47
2540
2520
2500
2480
2460
2440
2420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

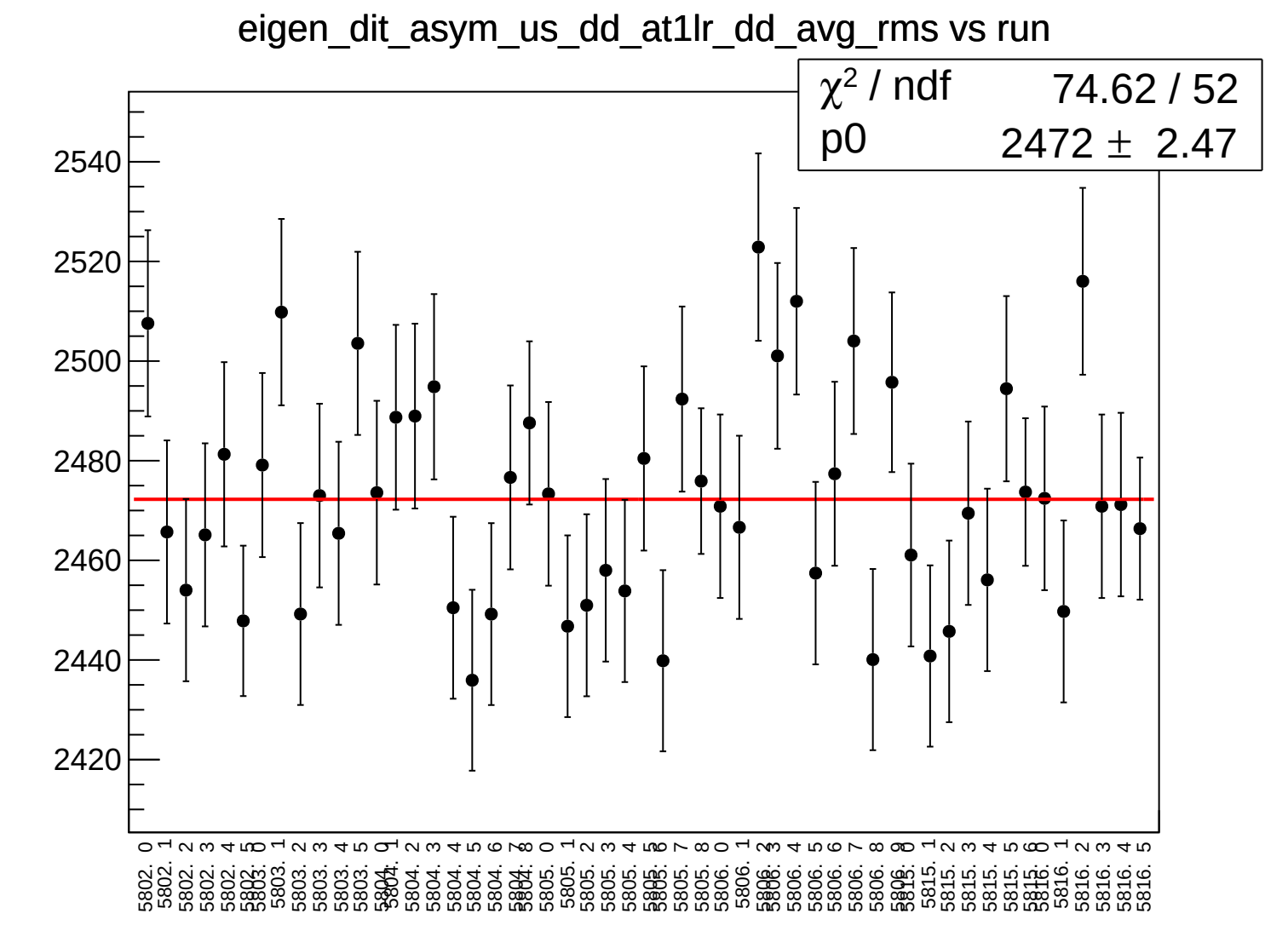

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 68.63 / 52
p0 −570 ± 1044
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −63.15
Std Dev 0
3
2
1
0
−1
−2

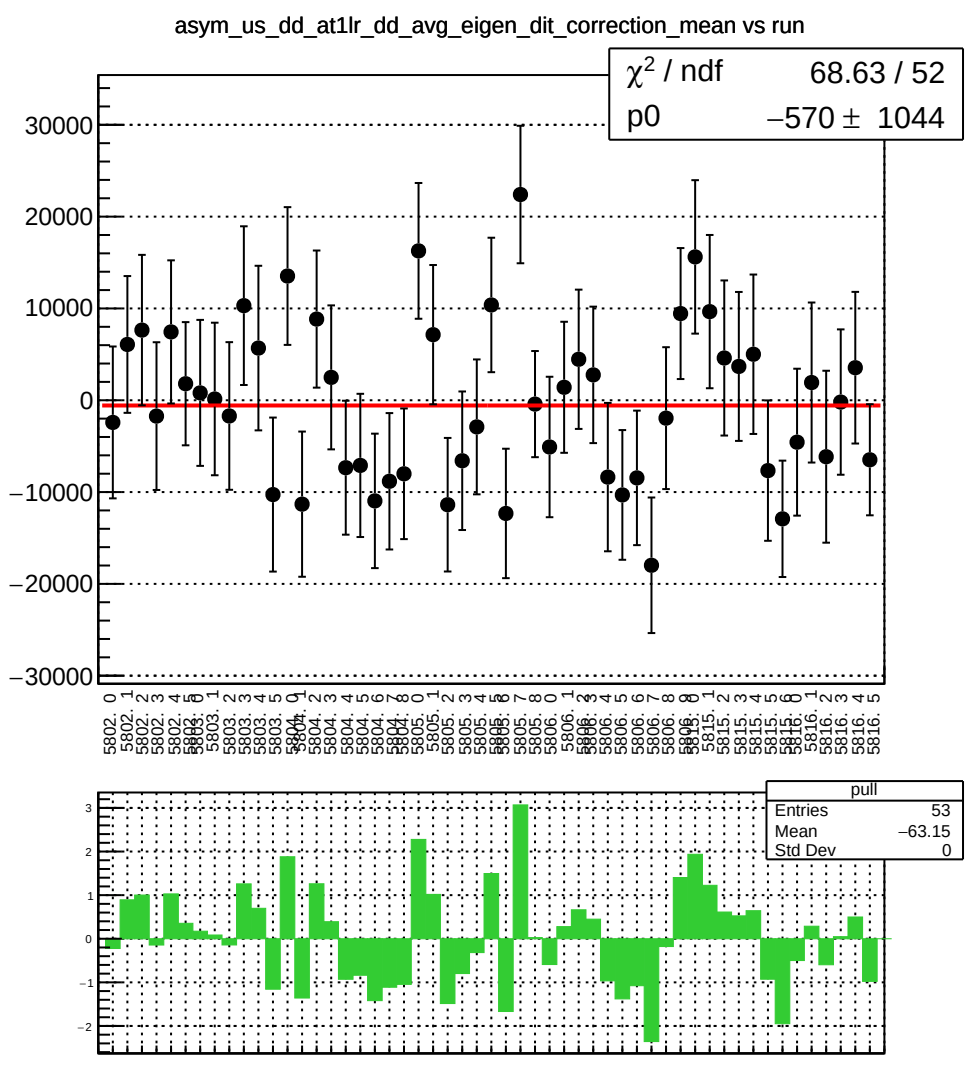

pull1D
Entries 53
Mean 0.02535
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

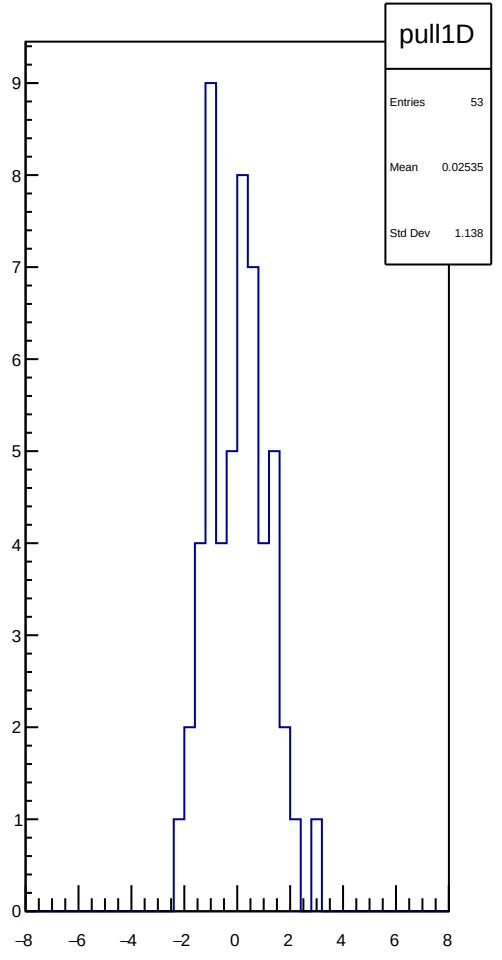

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3778 / 52
p0 737.7 ± 0.7386
900
850
800
750
700
650

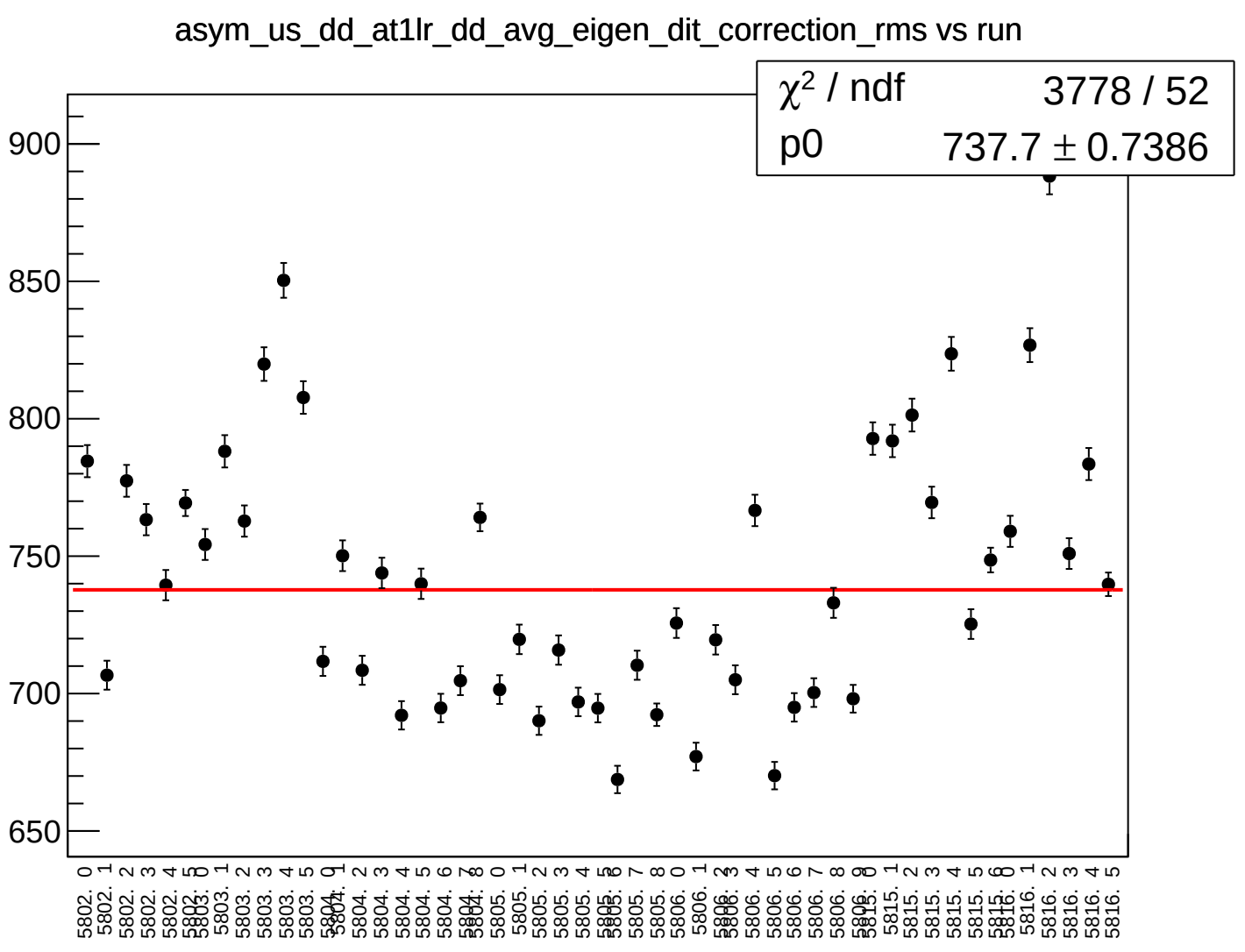

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.71 / 52
p0 −166.8 ± 3494
100
50
0
−50
−100
pull
Entries 53
Mean −164.7
Std Dev 0
3
2
1
0
−1
−2

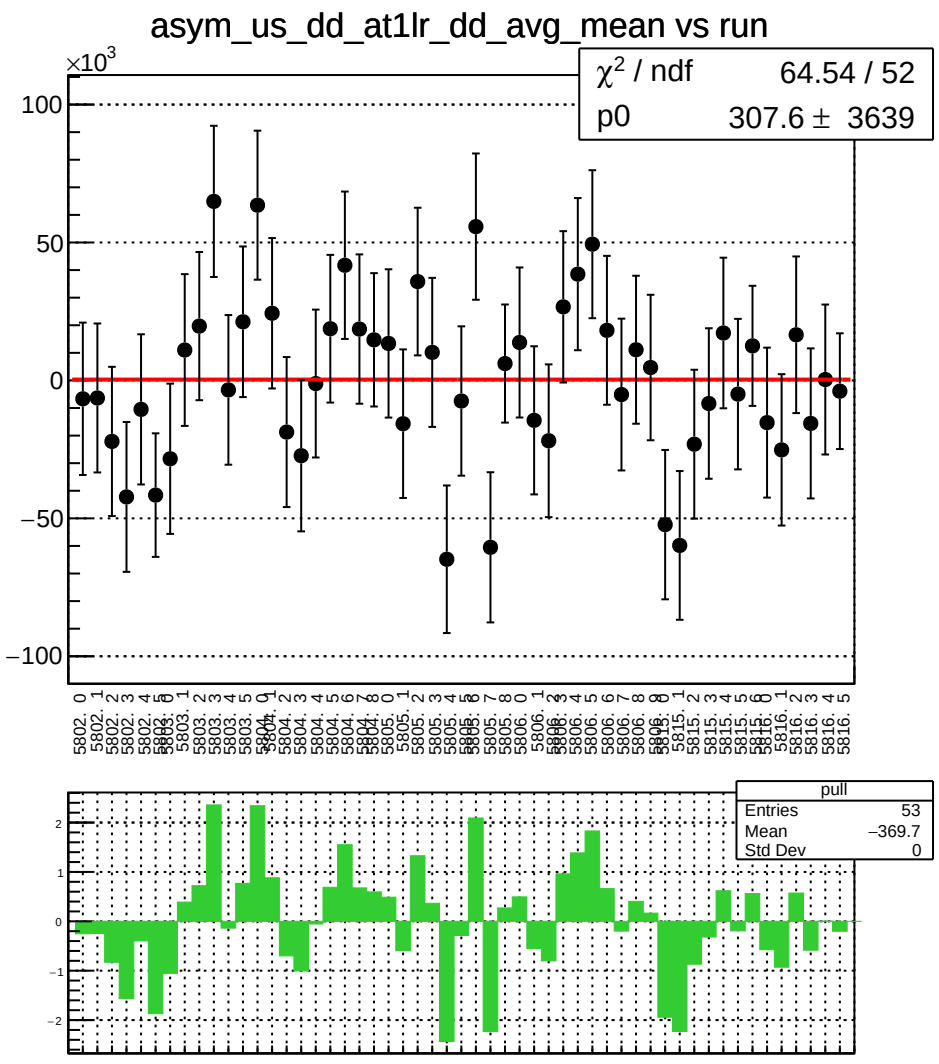

pull1D
Entries 53
Mean 0.008238
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

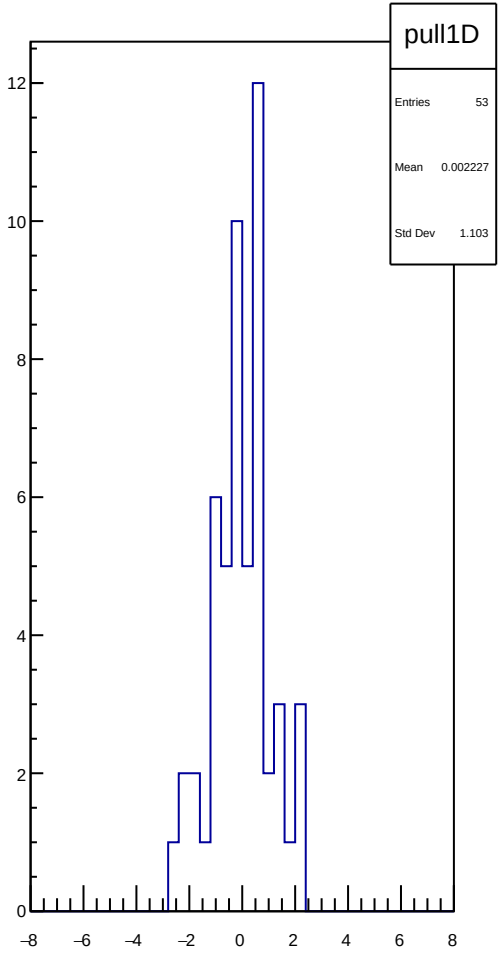

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 74.62 / 52
p0 2472 ± 2.47
2540
2520
2500
2480
2460
2440
2420
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

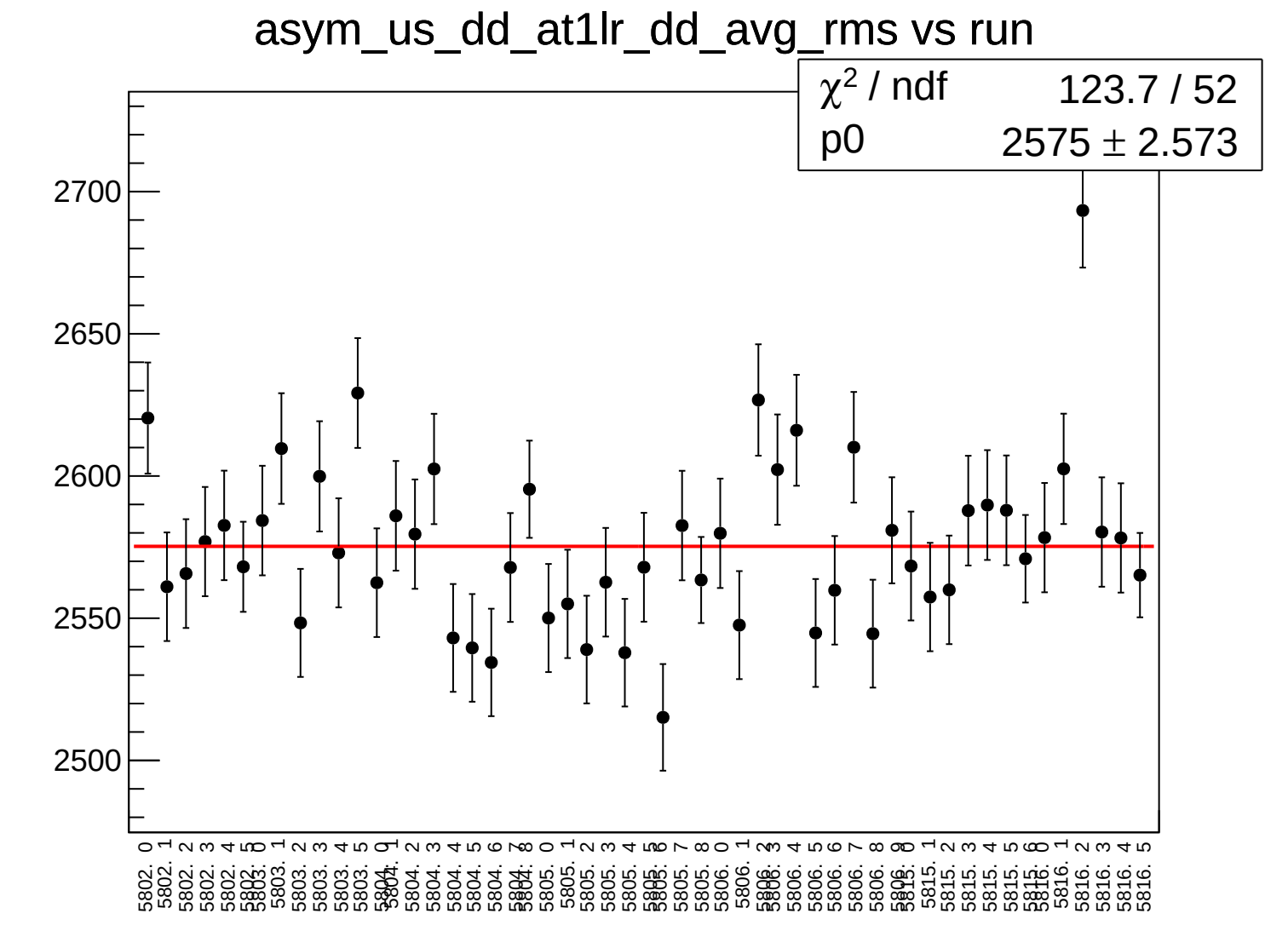

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.63 / 52
p0 −570 ± 1044
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −63.15
Std Dev 0
3
2
1
0
−1
−2

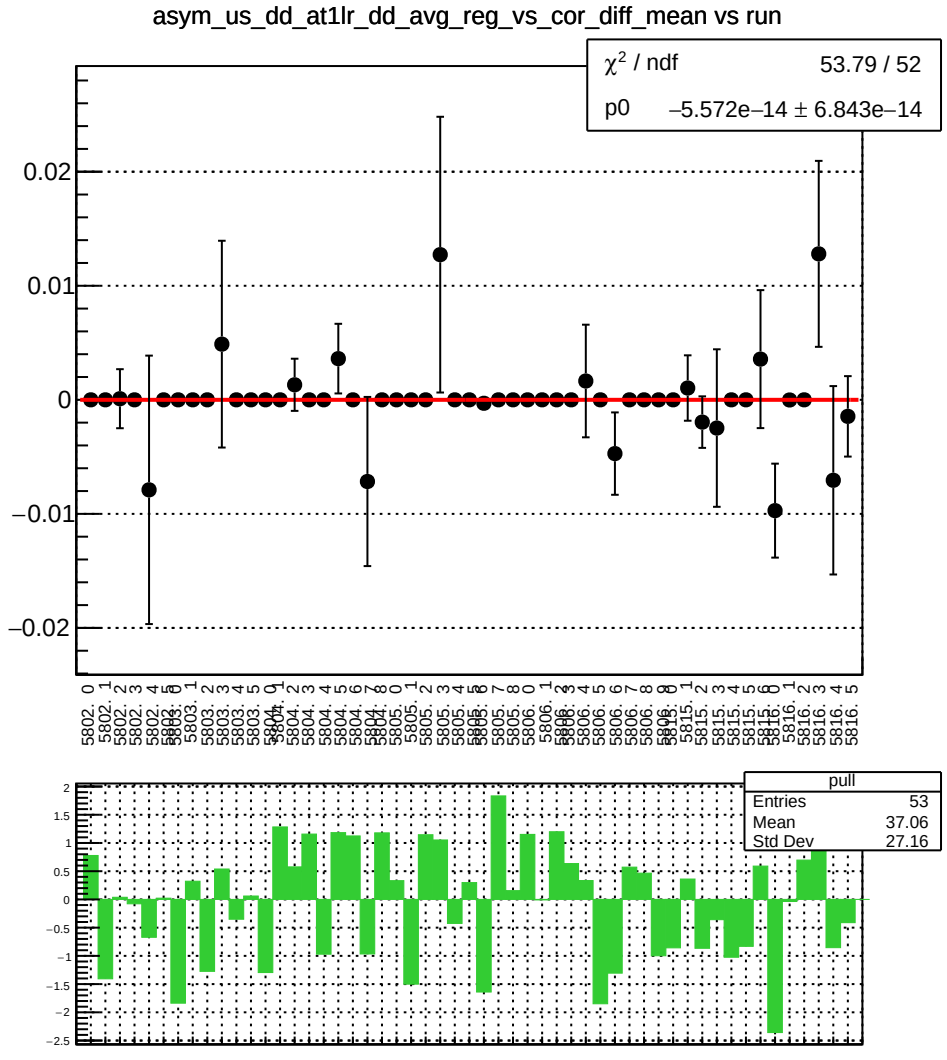

pull1D
Entries 53
Mean 0.02535
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

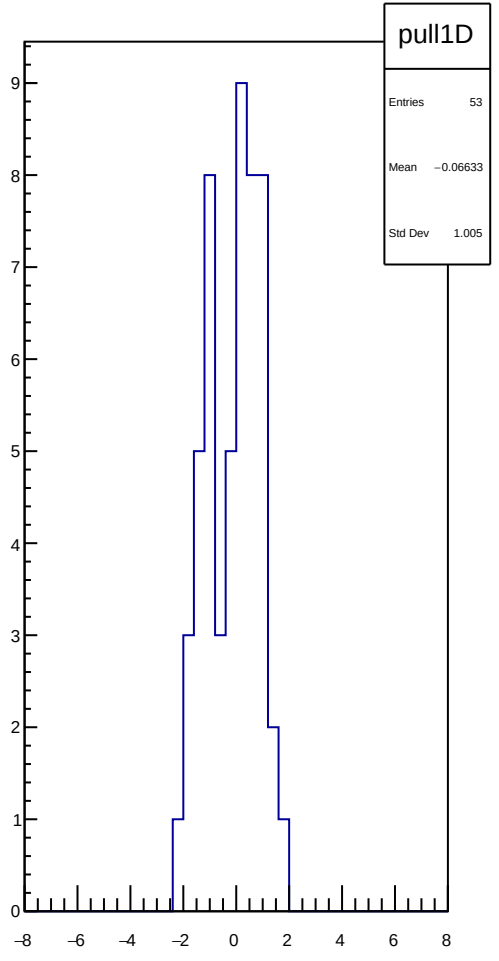

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3778 / 52
p0 737.7 ± 0.7386
900
850
800
750
700
650

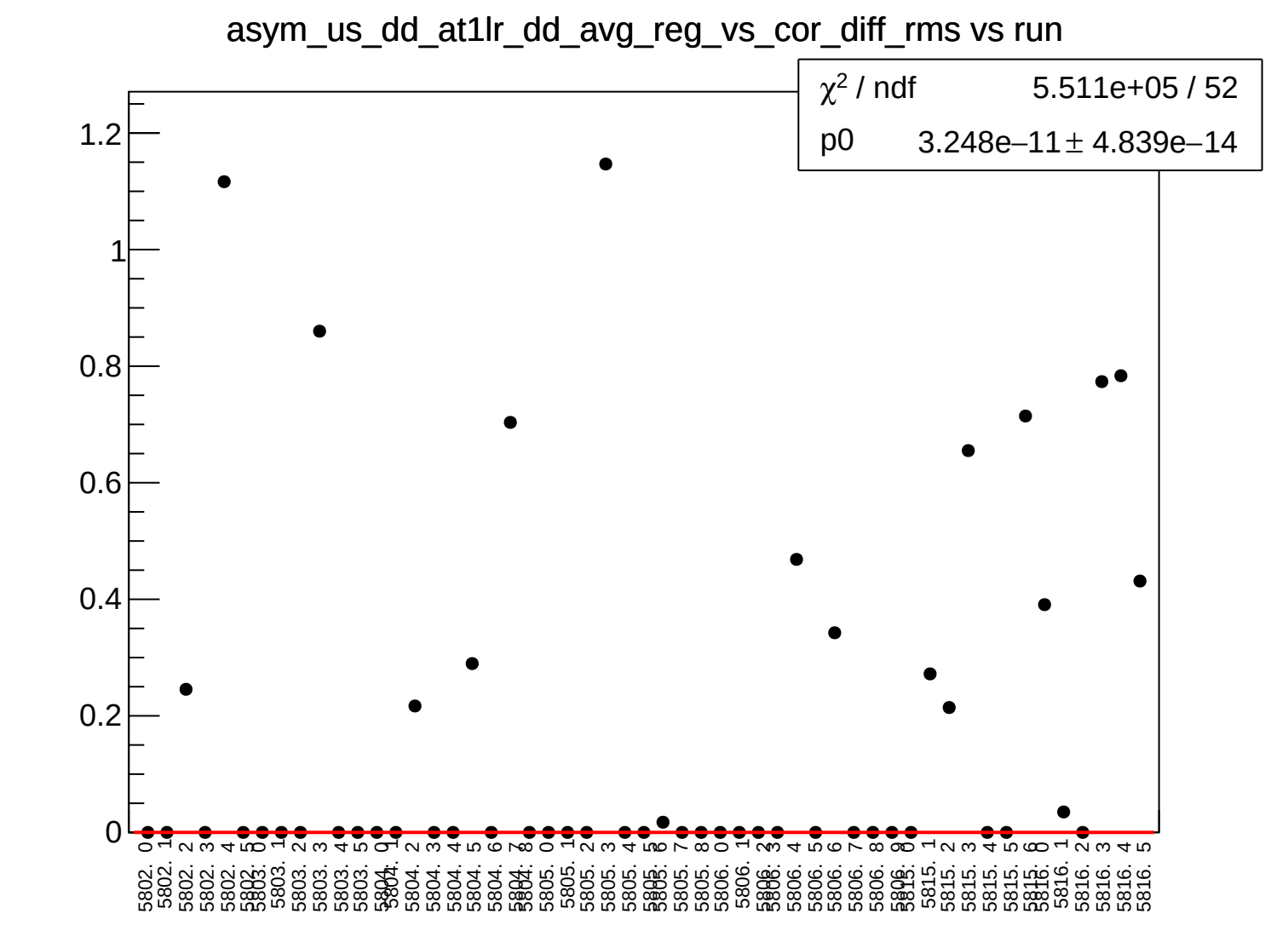

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 64.54 / 52
p0 307.6 ± 3639
100
50
0
−50
−100
pull
Entries 53
Mean −369.7
Std Dev 0
2
1
0
−1
−2

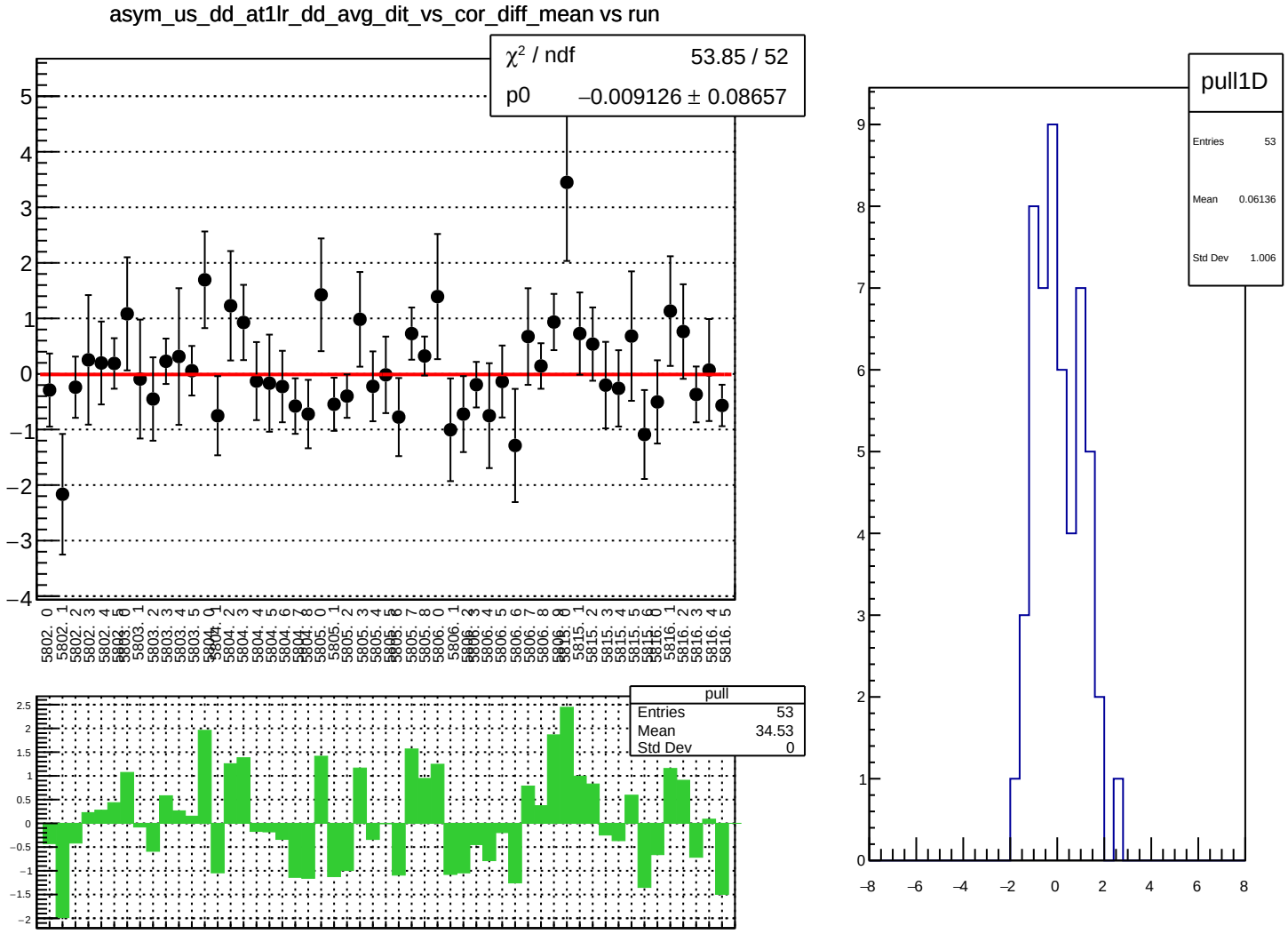

pull1D
Entries 53
Mean 0.002227
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

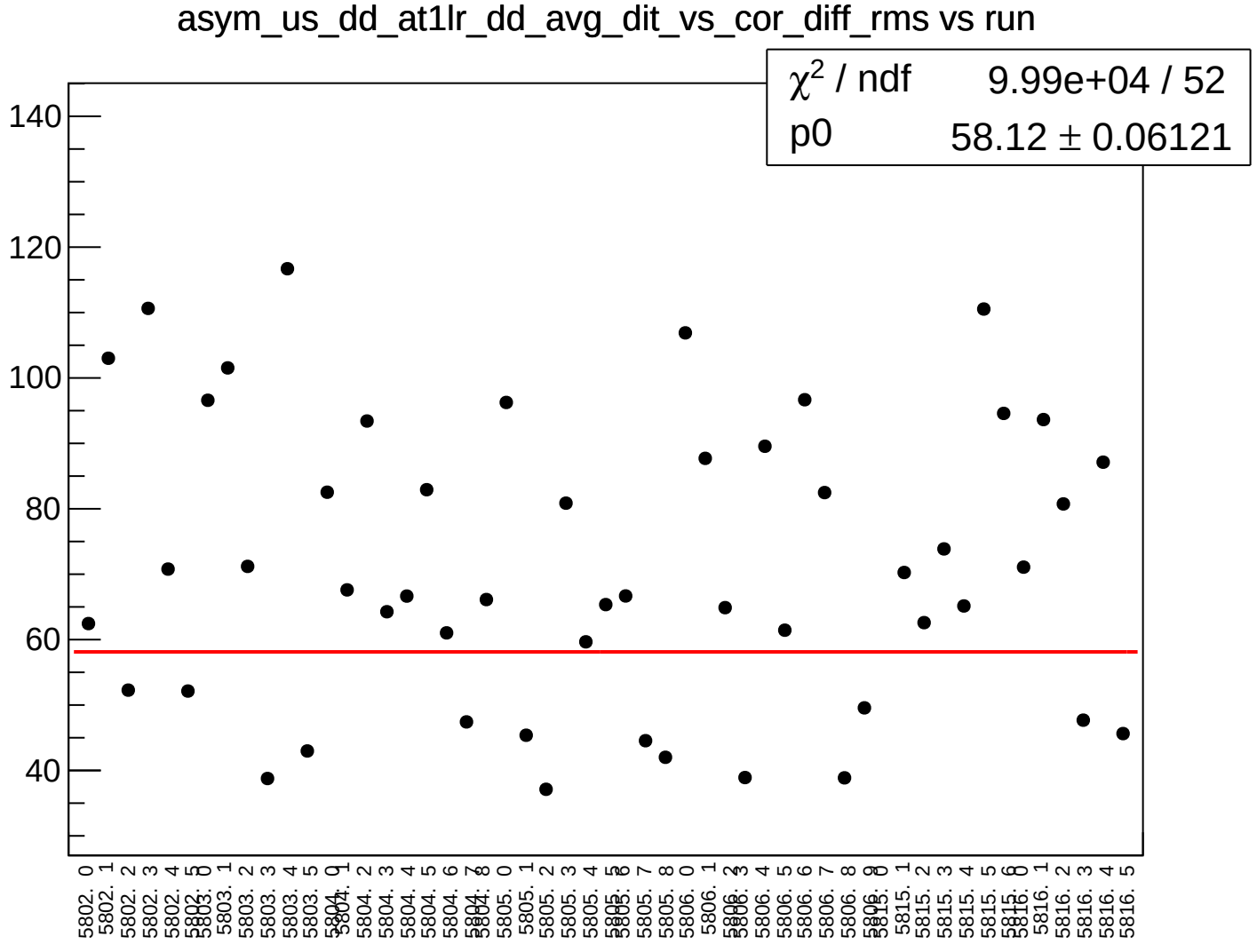

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 123.7 / 52
p0 2575 ± 2.573
2700
2650
2600
2550
2500

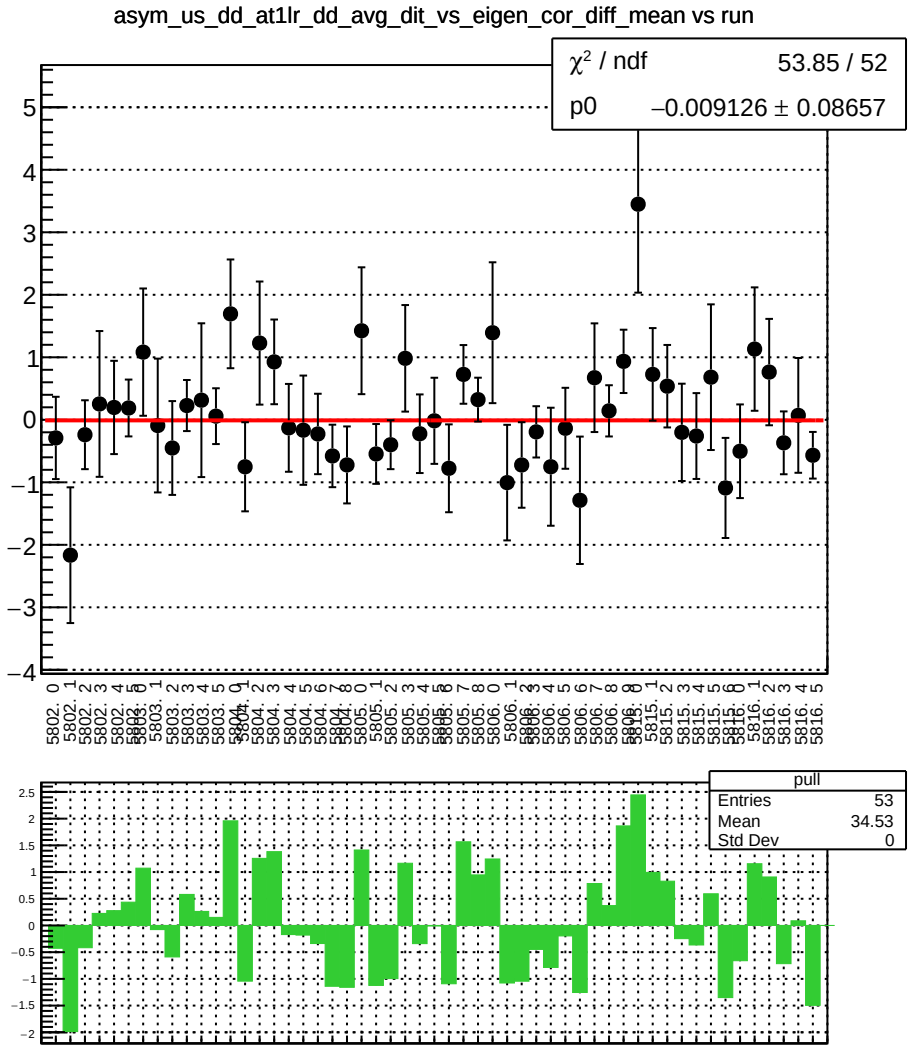

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.79 / 52
p0 −5.572e−14 ± 6.843e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean 37.06
Std Dev 27.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

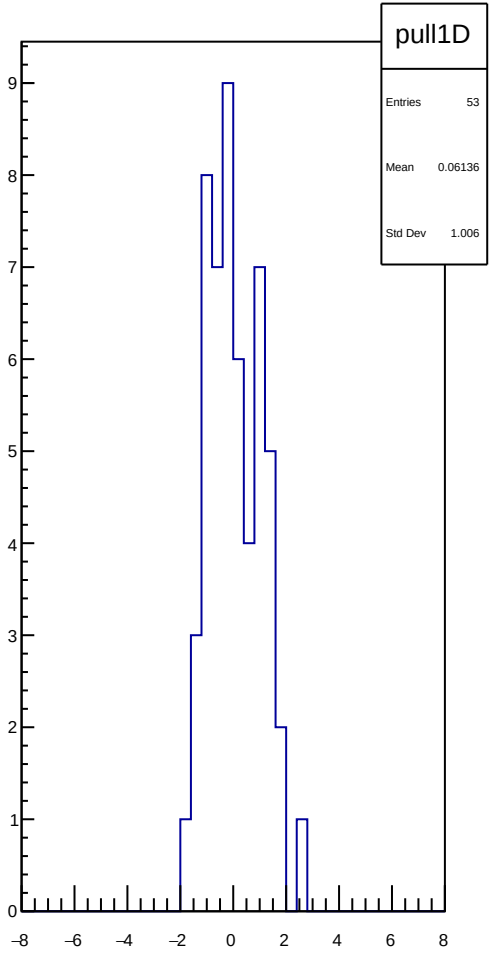

pull1D
Entries 53
Mean −0.06633
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

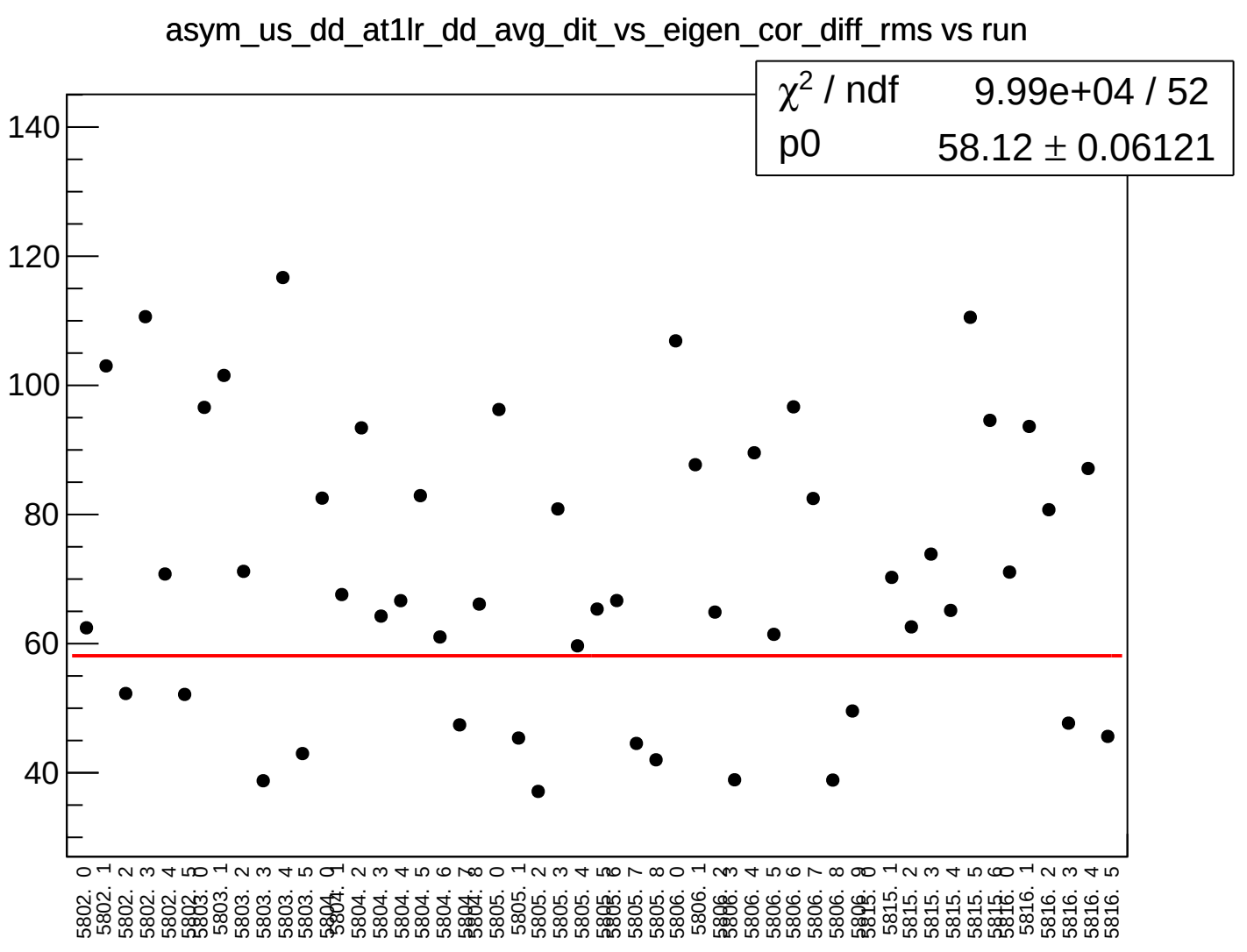

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.511e+05 / 52
p0 3.248e−11 ± 4.839e−14
1.2
1
0.8
0.6
0.4
0.2
0

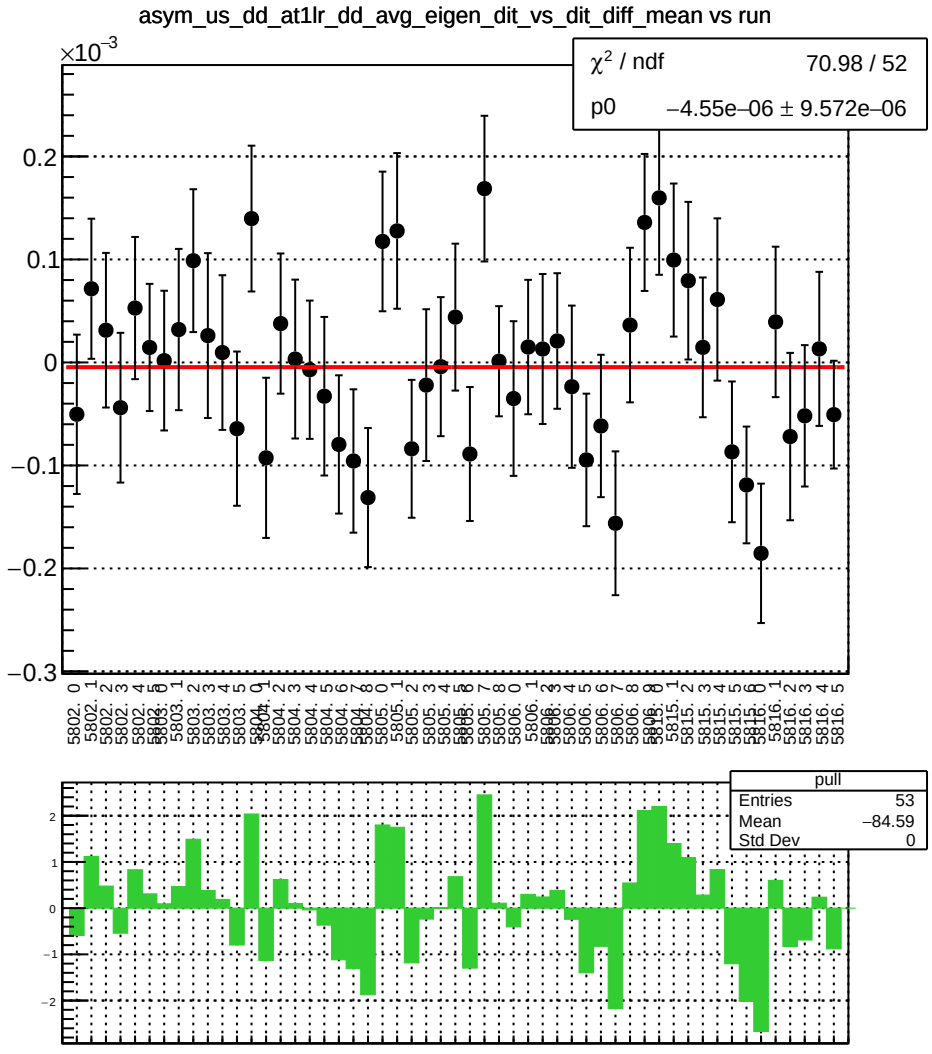

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.85 / 52
p0 −0.009126 ± 0.08657
pull
Entries 53
Mean 34.53
Std Dev 0
pull1D
Entries 53
Mean 0.06136
Std Dev 1.006

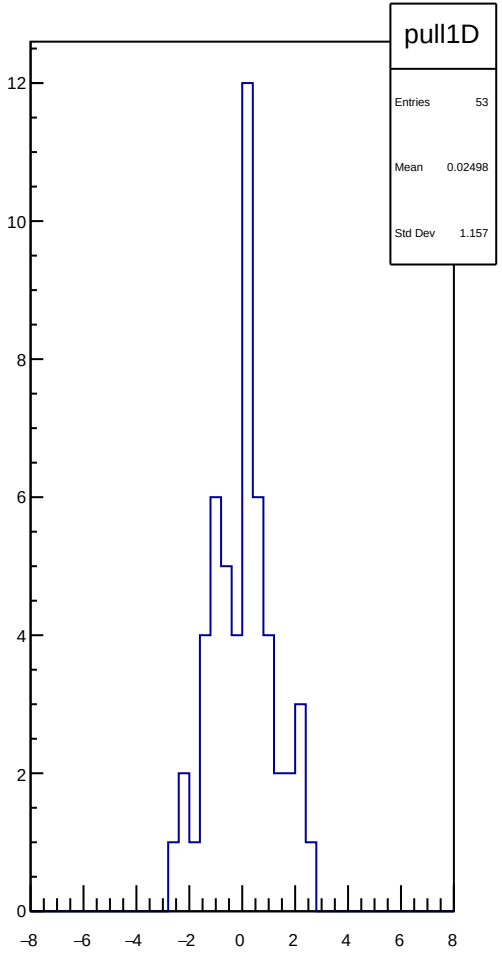

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.99e+04 / 52
p0 58.12 ± 0.06121
140
120
100
80
60
40

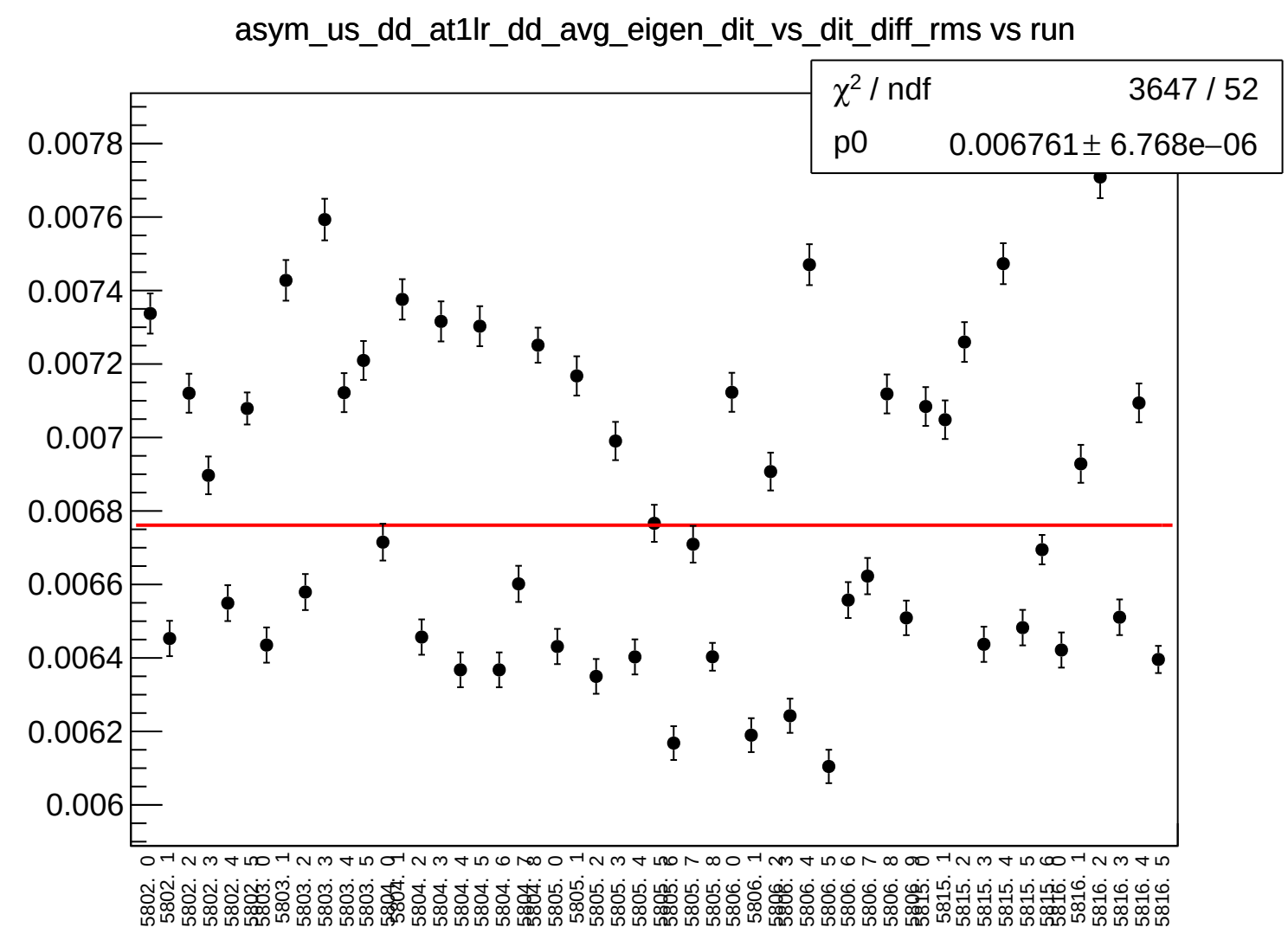

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.85 / 52
p0 −0.009126 ± 0.08657
pull
Entries 53
Mean 34.53
Std Dev 0

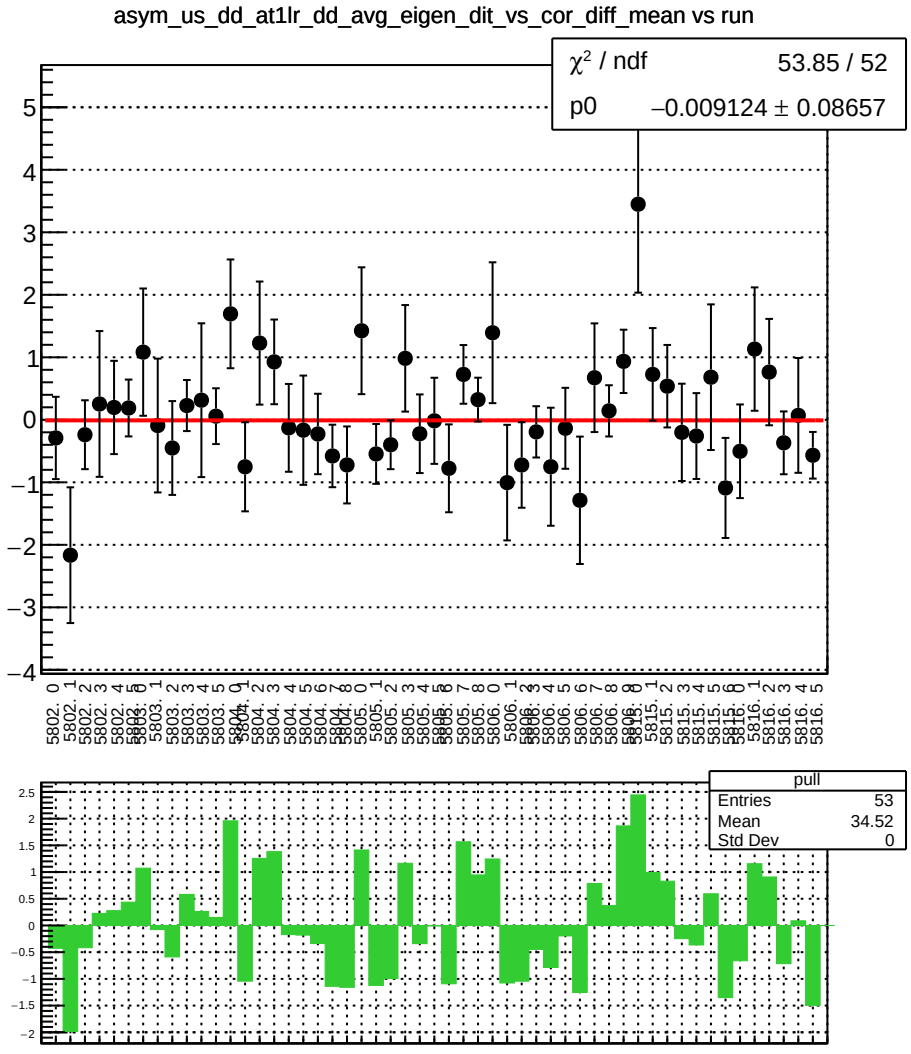

pull1D
Entries 53
Mean 0.06136
Std Dev 1.006

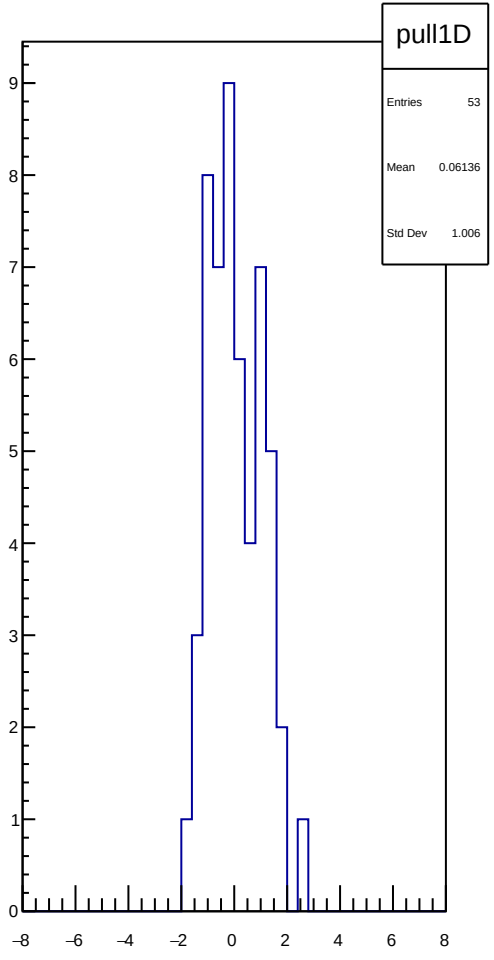

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.99e+04 / 52
p0 58.12 ± 0.06121
140
120
100
80
60
40

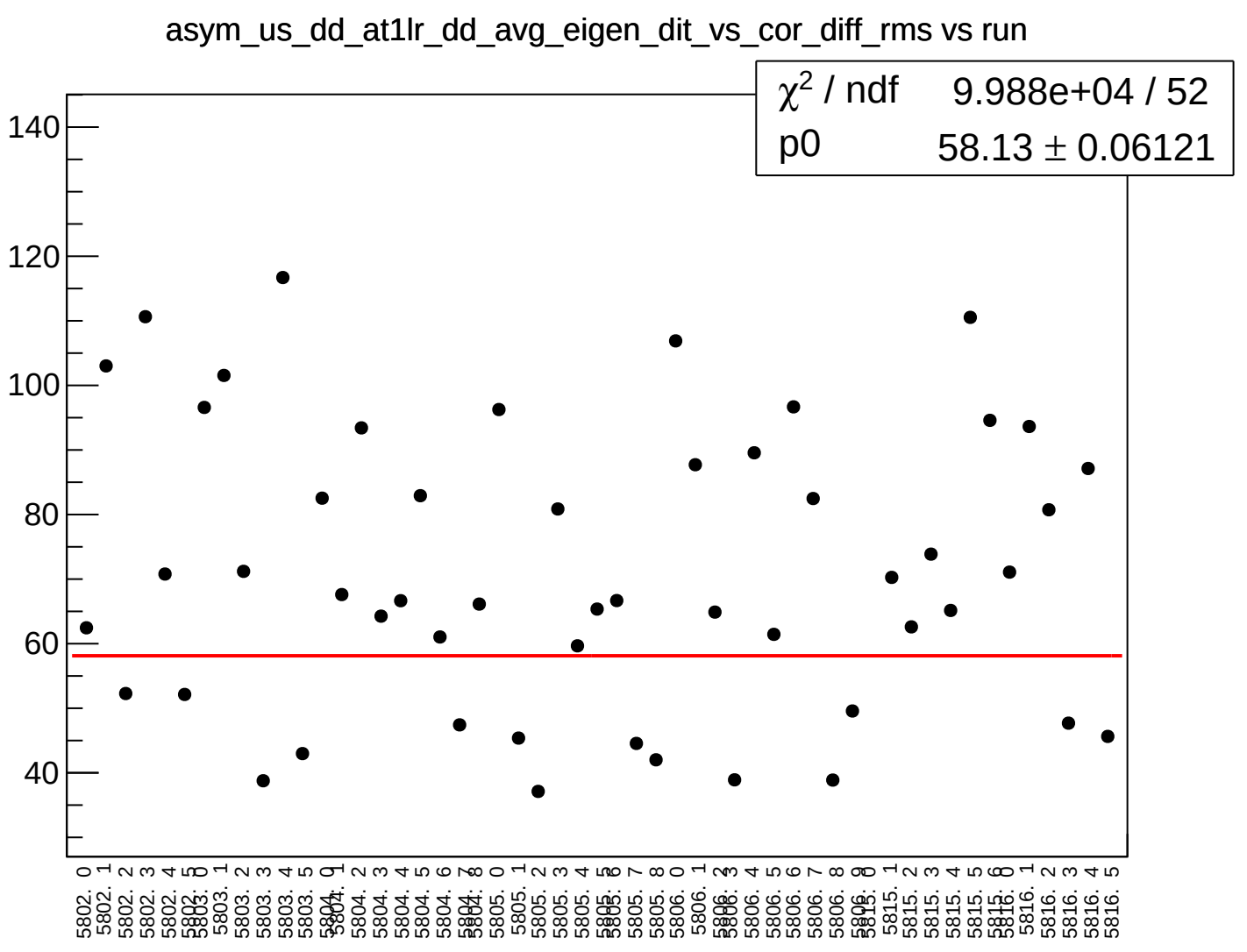

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.98 / 52
p0 −4.55e−06 ± 9.572e−06
pull
Entries 53
Mean −84.59
Std Dev 0

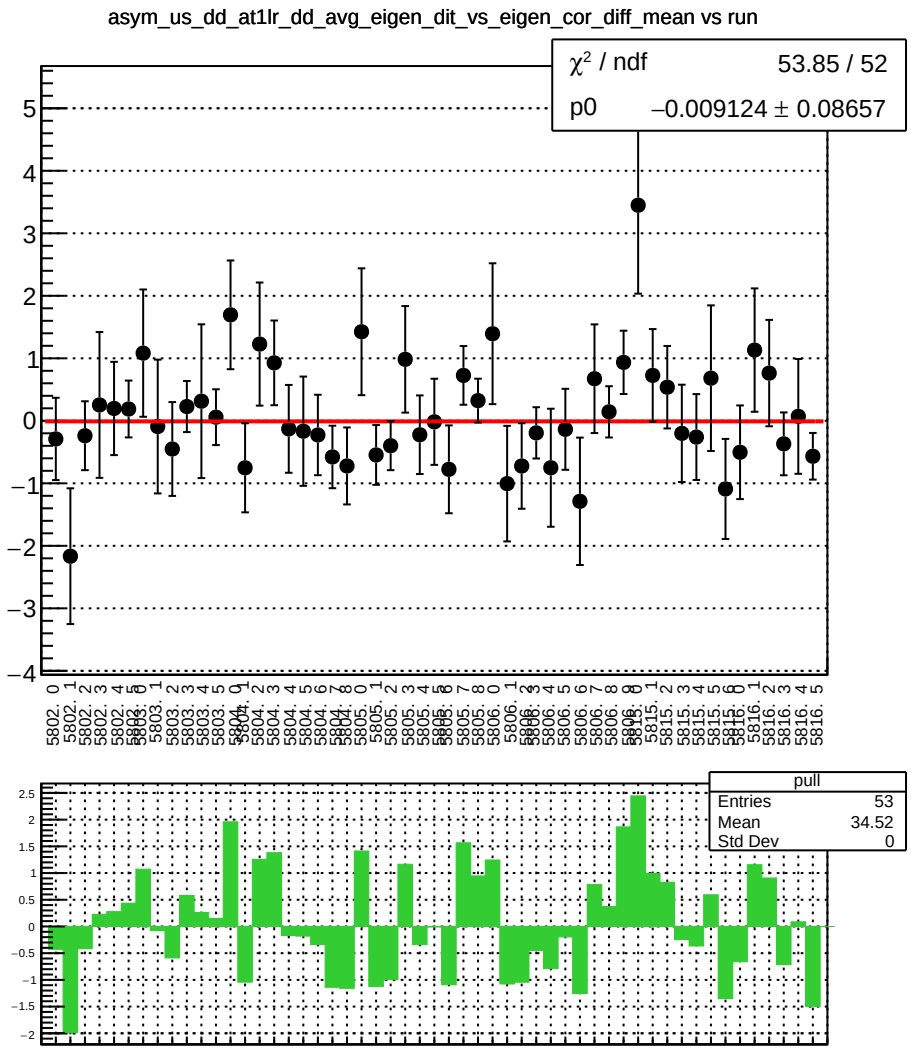

pull1D
Entries 53
Mean 0.02498
Std Dev 1.157

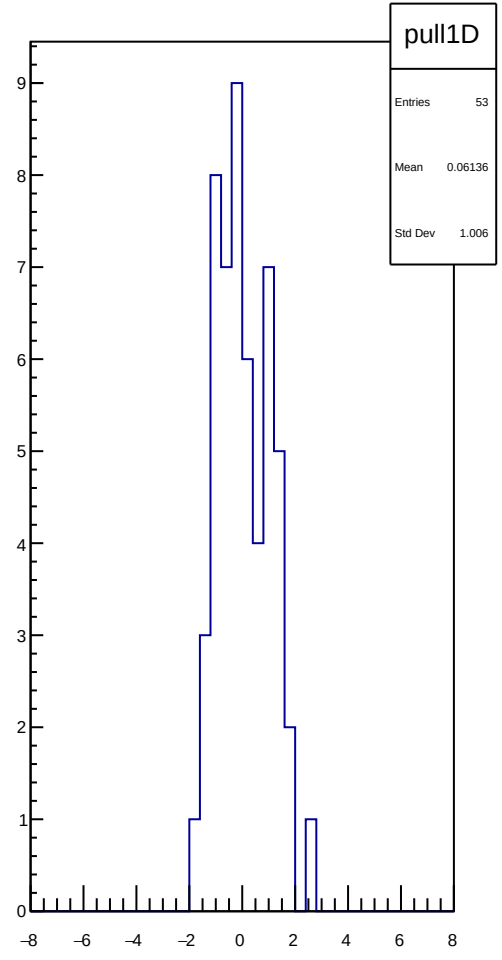

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3647 / 52
p0 0.006761 ± 6.768e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006

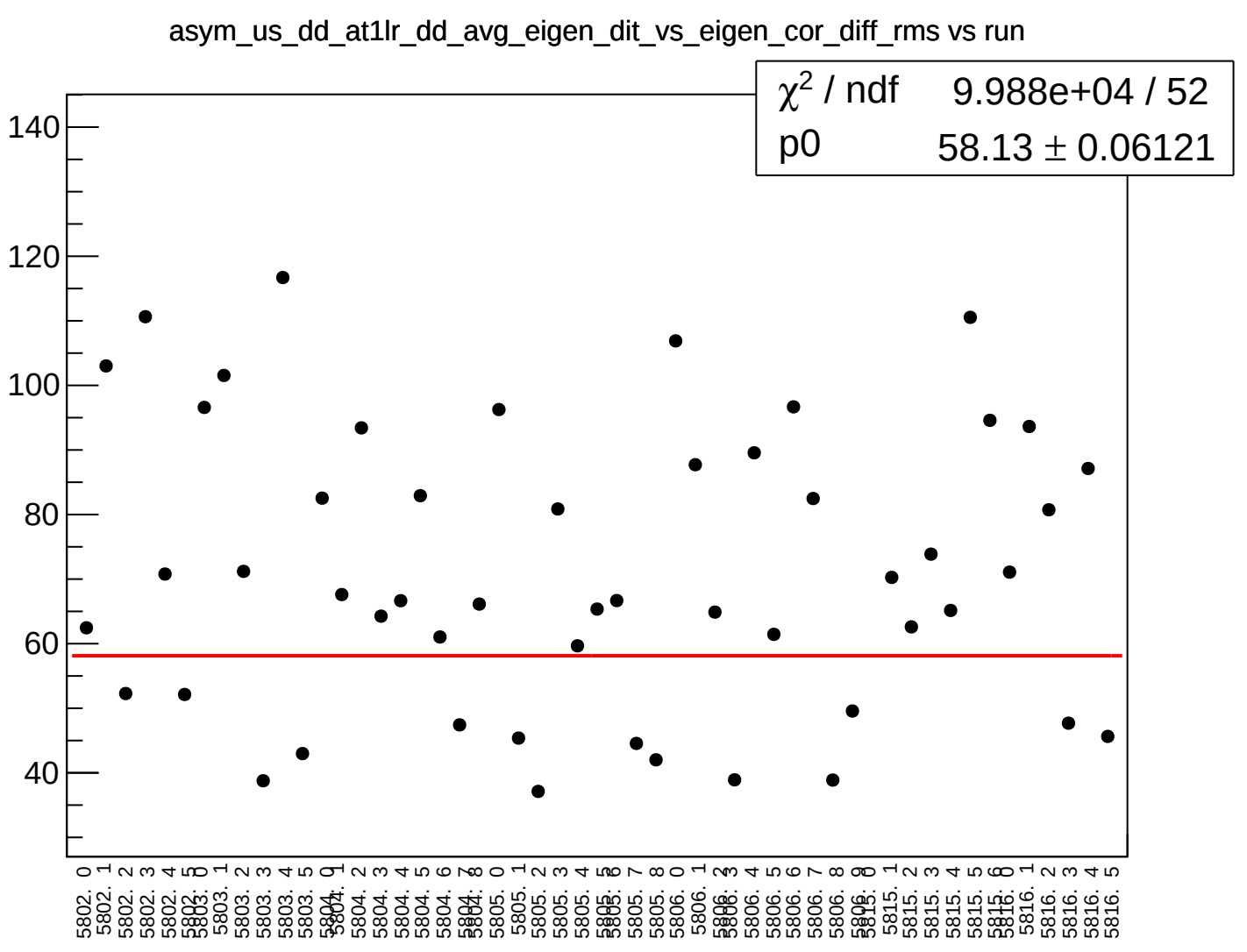

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.85 / 52
p0 −0.009124 ± 0.08657
pull
Entries 53
Mean 34.52
Std Dev 0

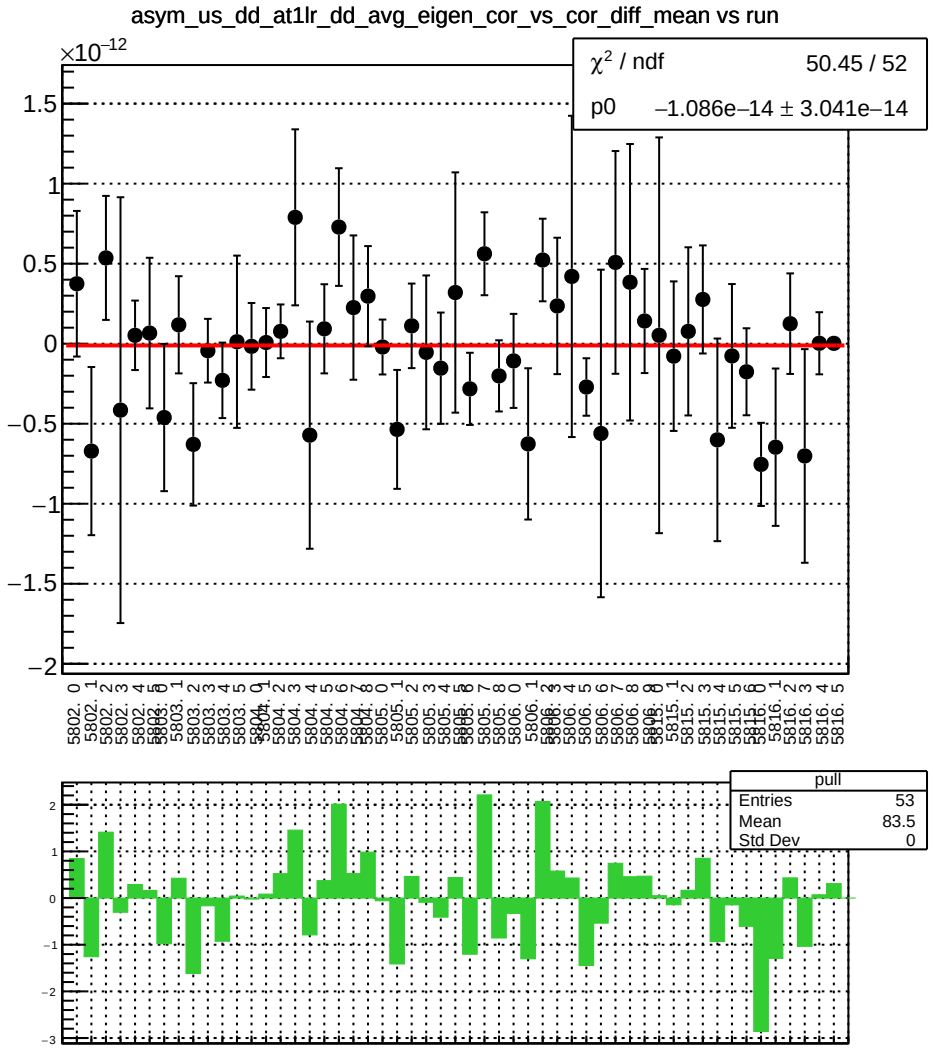

pull1D
Entries 53
Mean 0.06136
Std Dev 1.006

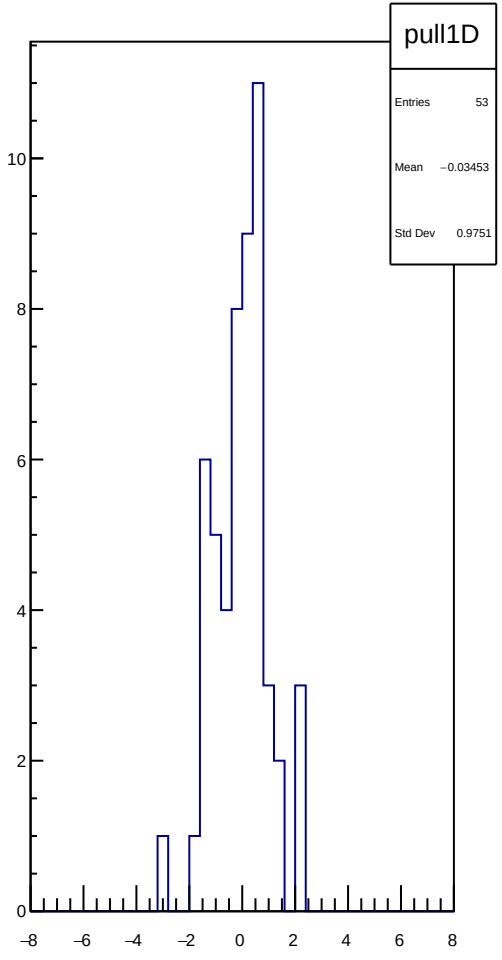

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.988e+04 / 52
p0 58.13 ± 0.06121
140
120
100
80
60
40

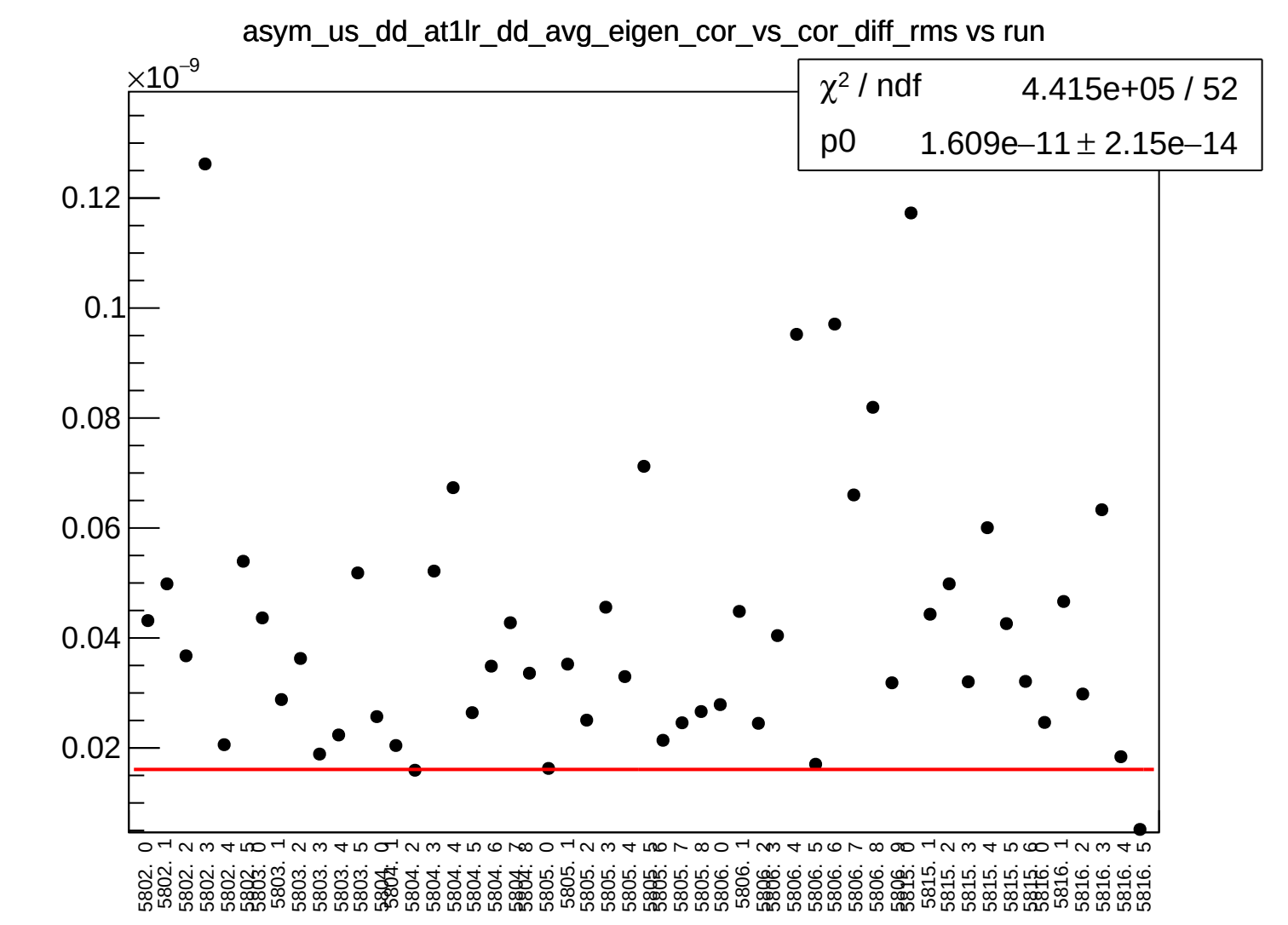

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.85 / 52
p0 −0.009124 ± 0.08657
pull
Entries 53
Mean 34.52
Std Dev 0

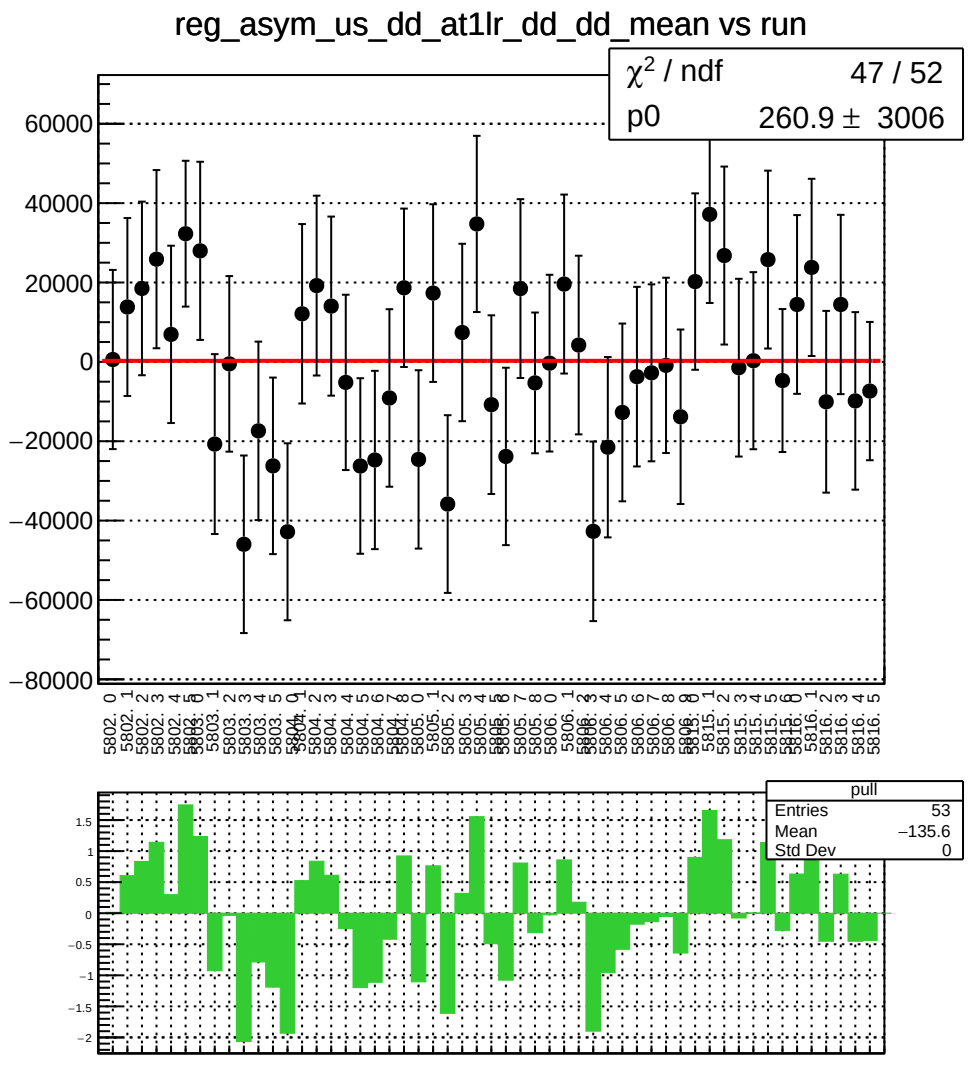

pull1D
Entries 53
Mean 0.06136
Std Dev 1.006

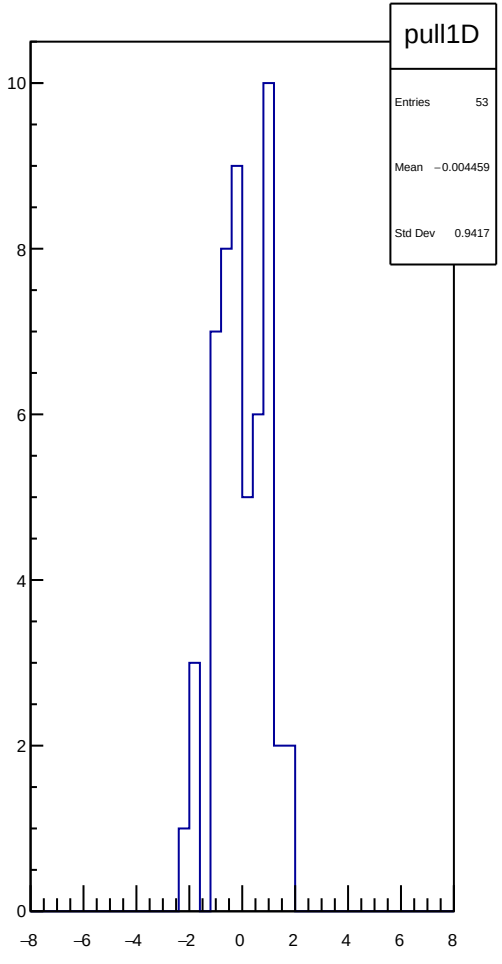

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.988e+04 / 52
p0 58.13 ± 0.06121
140
120
100
80
60
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

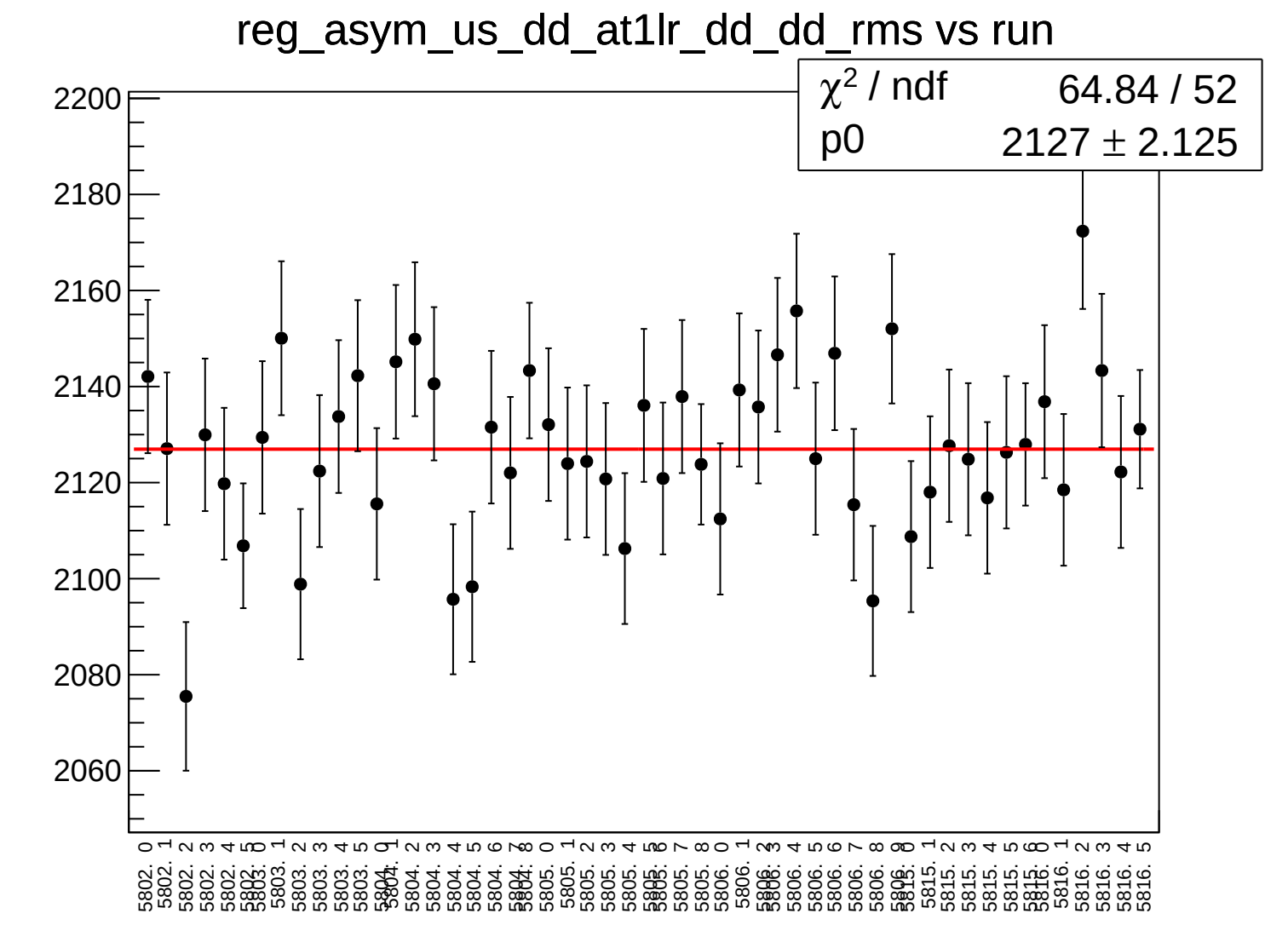

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.45 / 52
p0 −1.086e−14 ± 3.041e−14
pull
Entries 53
Mean 83.5
Std Dev 0

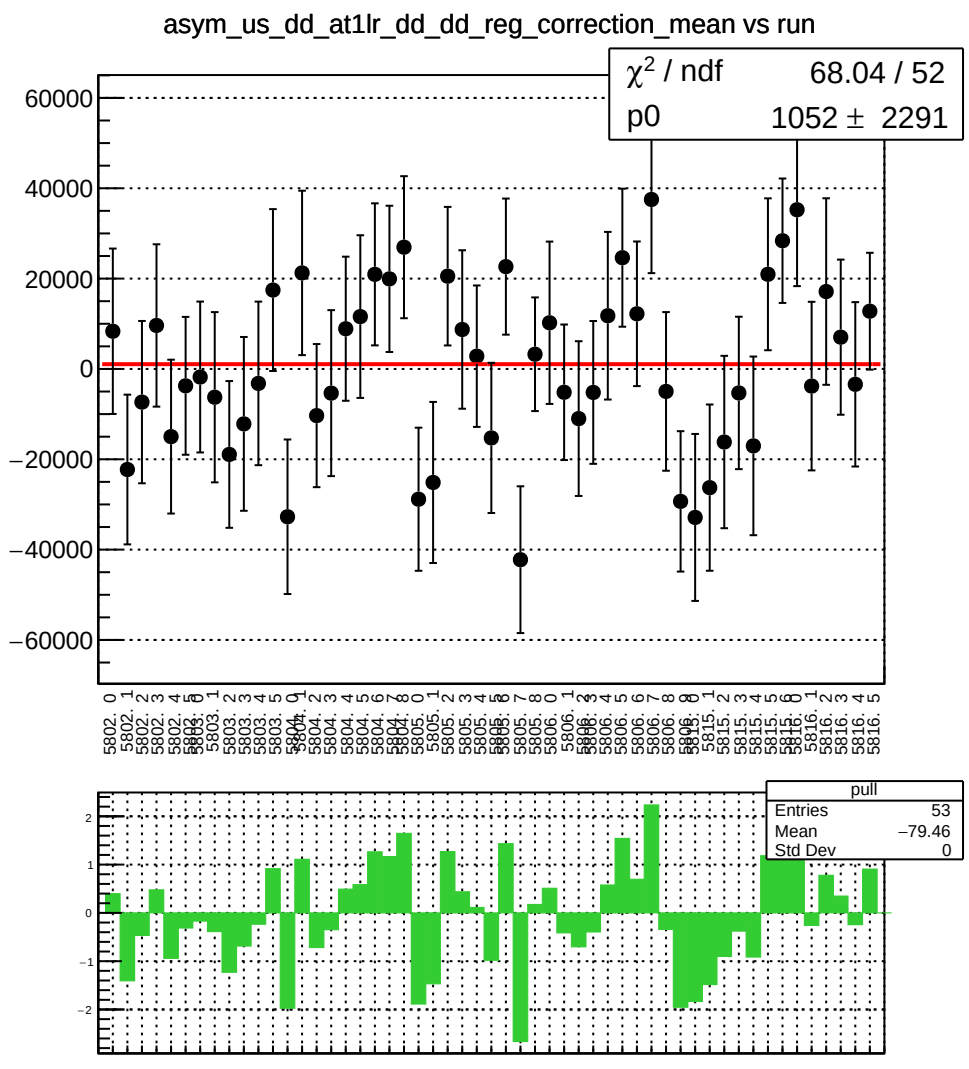

pull1D
Entries 53
Mean −0.03453
Std Dev 0.9751

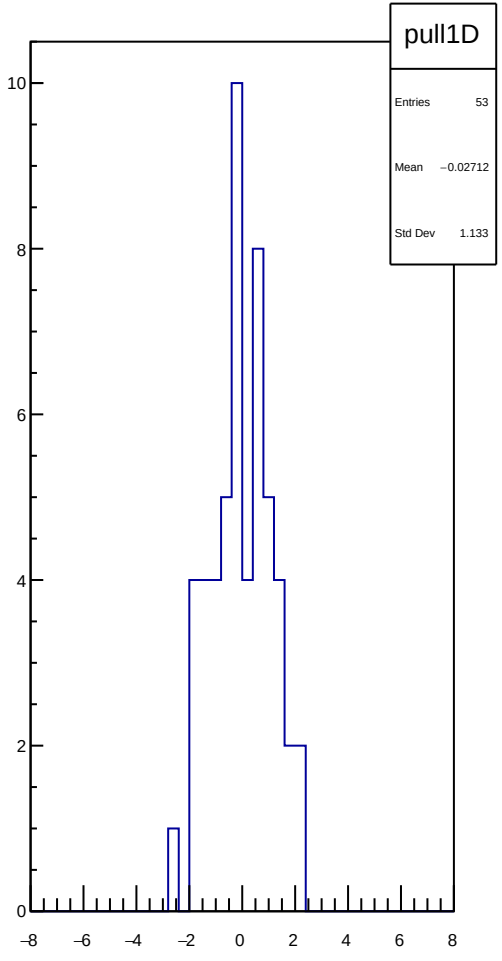

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.415e+05 / 52
p0 1.609e−11 ± 2.15e−14
0.12
0.1
0.08
0.06
0.04
0.02

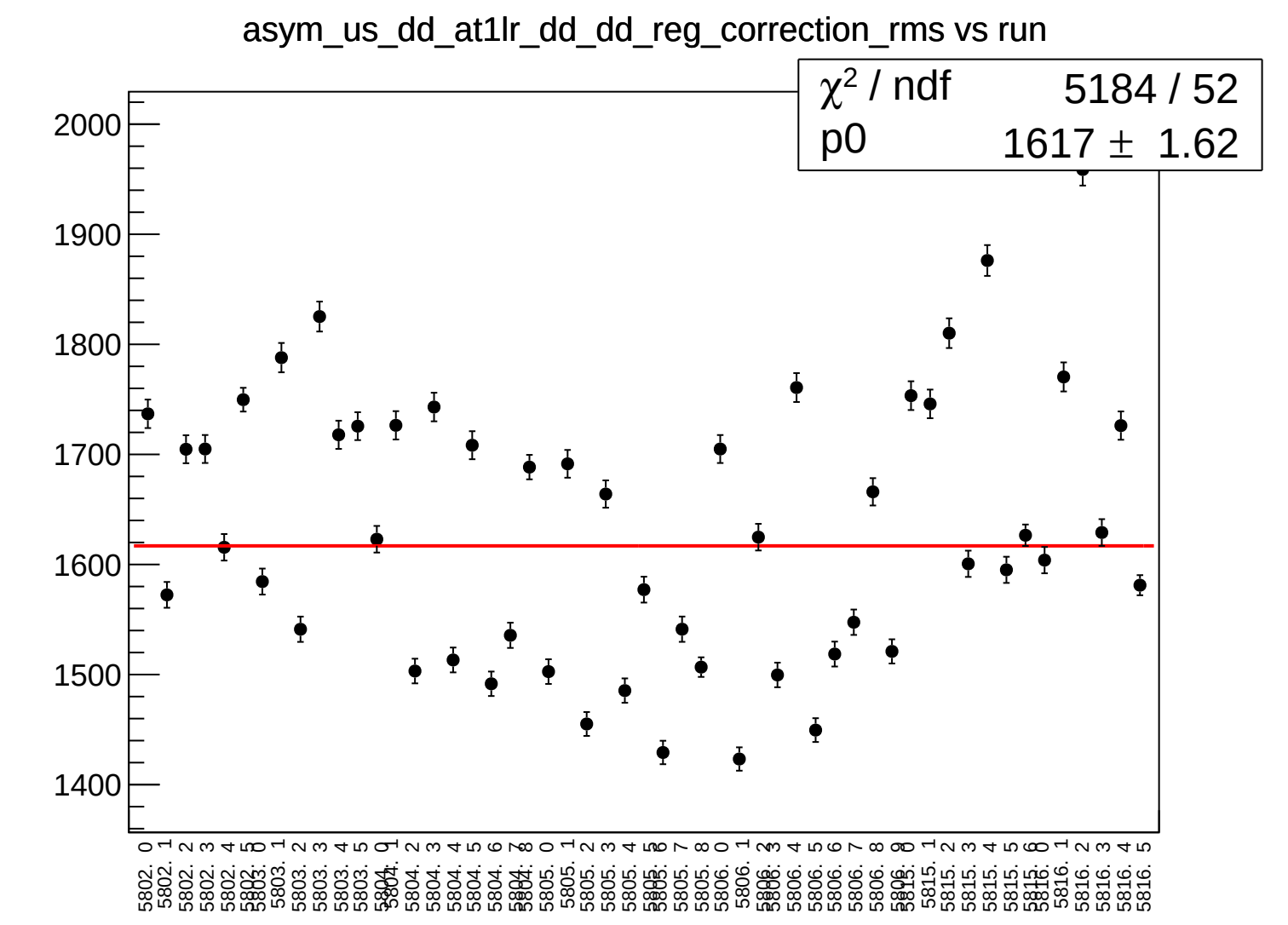

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47 / 52
p0 260.9 ± 3006
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −135.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

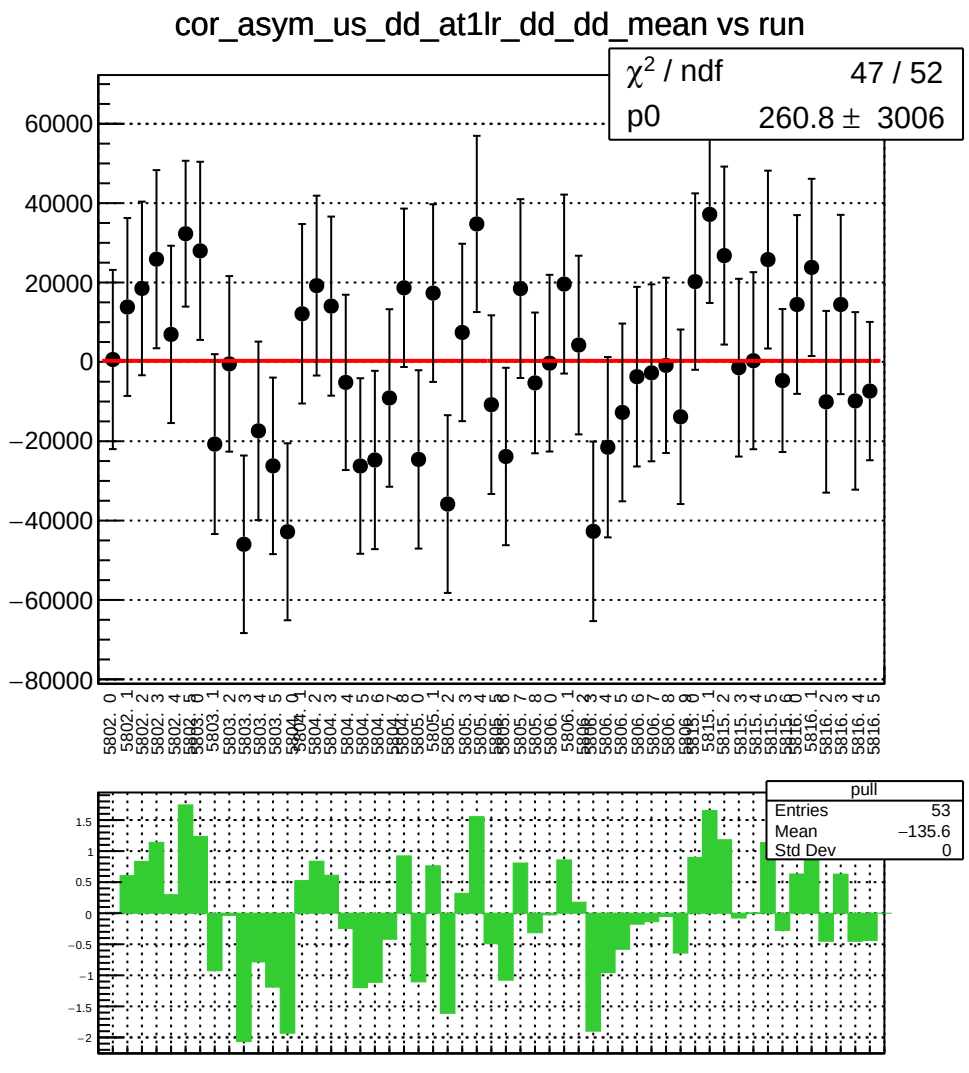

pull1D
Entries 53
Mean −0.004459
Std Dev 0.9417
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

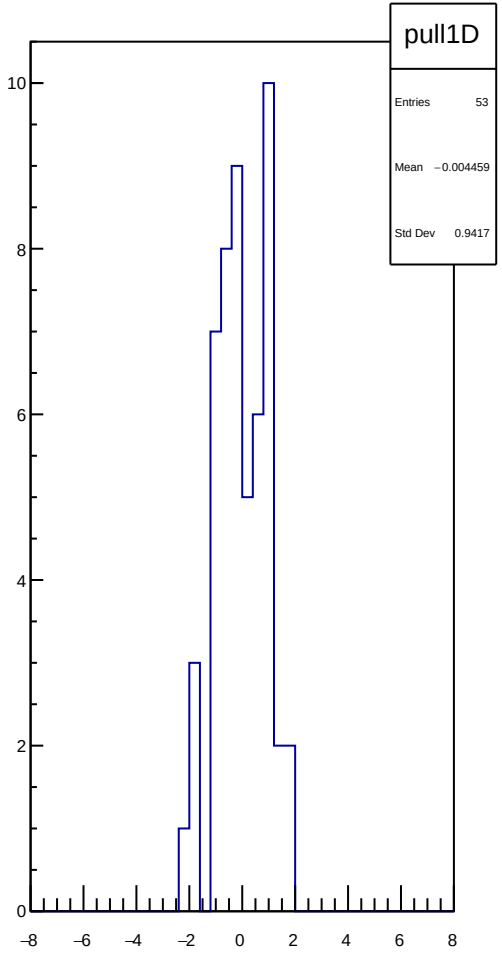

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 64.84 / 52
p0 2127 ± 2.125
2200
2180
2160
2140
2120
2100
2080
2060

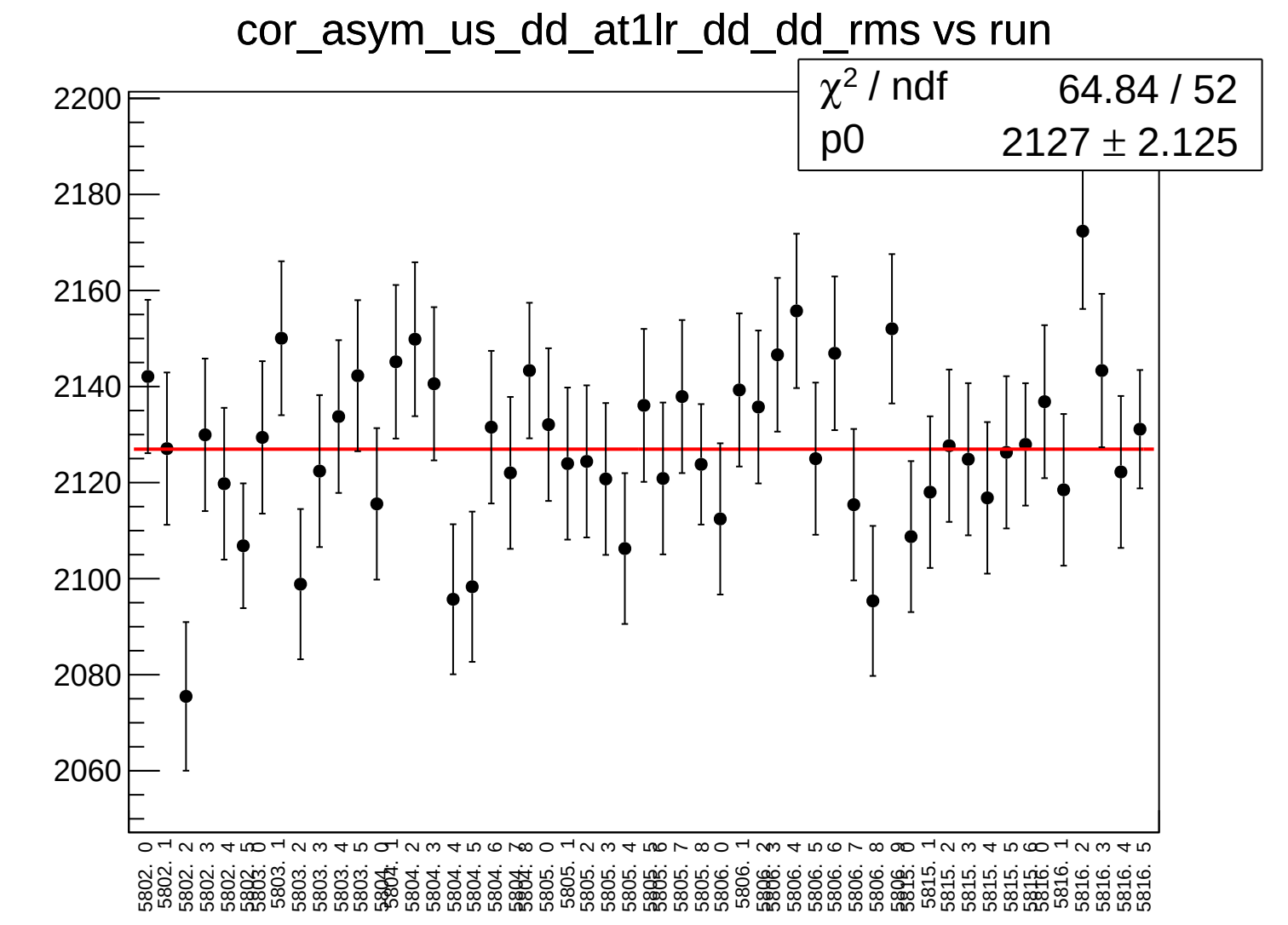

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 68.04 / 52
p0 1052 ± 2291
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −79.46
Std Dev 0
2
1
0
−1
−2

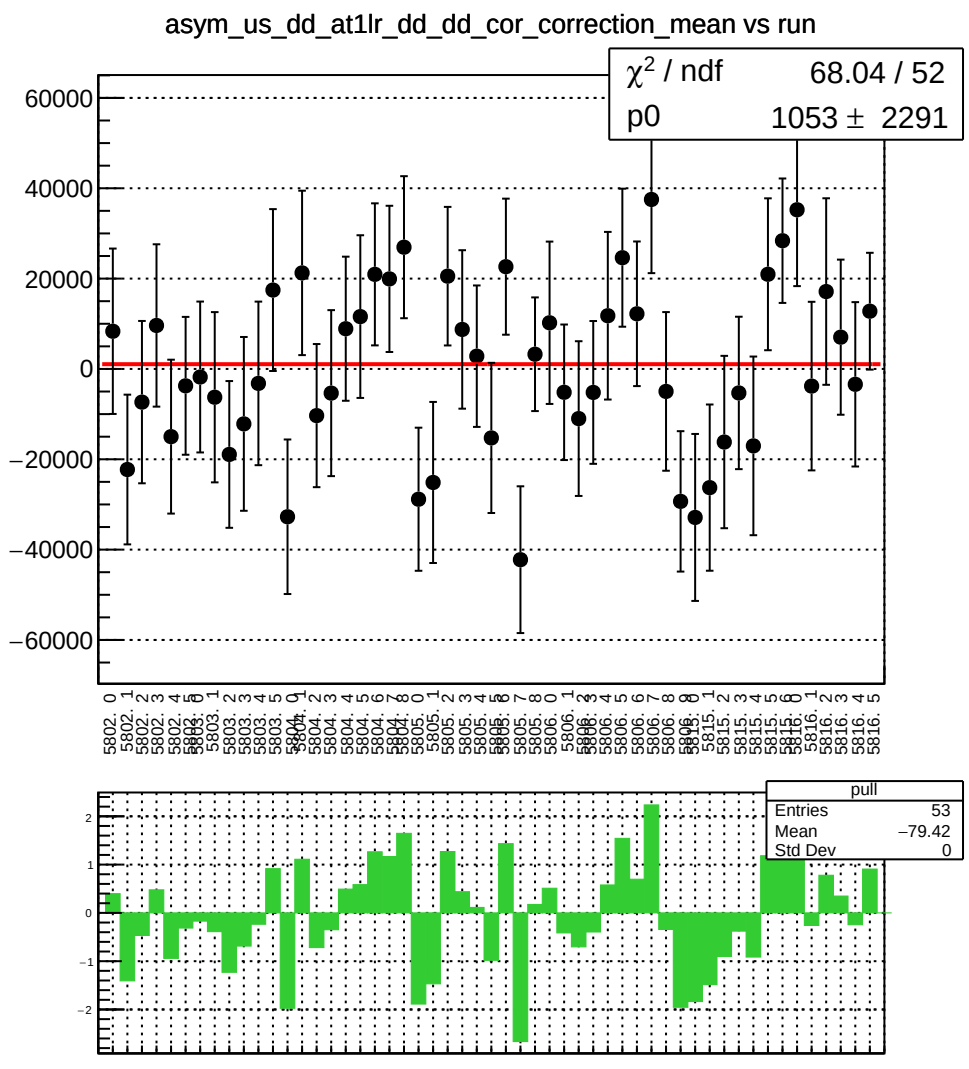

pull1D
Entries 53
Mean −0.02712
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

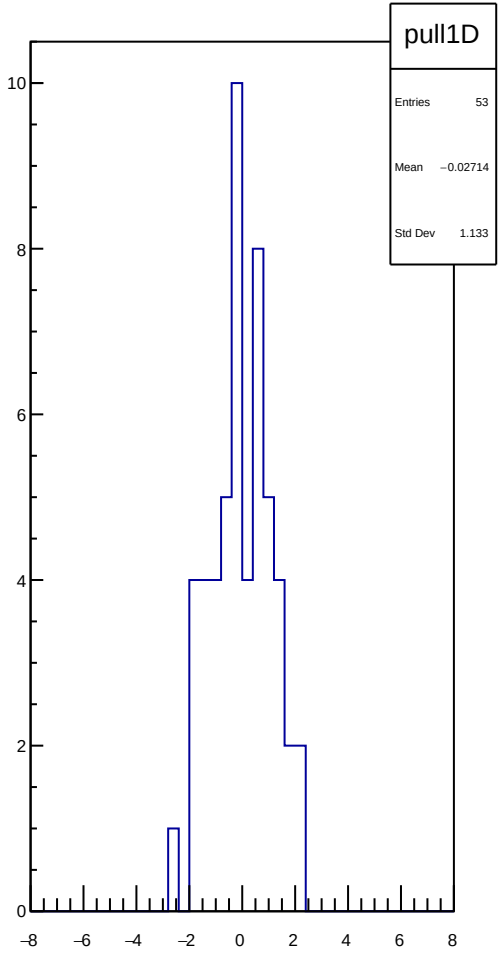

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 5184 / 52
p0 1617 ± 1.62
2000
1900
1800
1700
1600
1500
1400

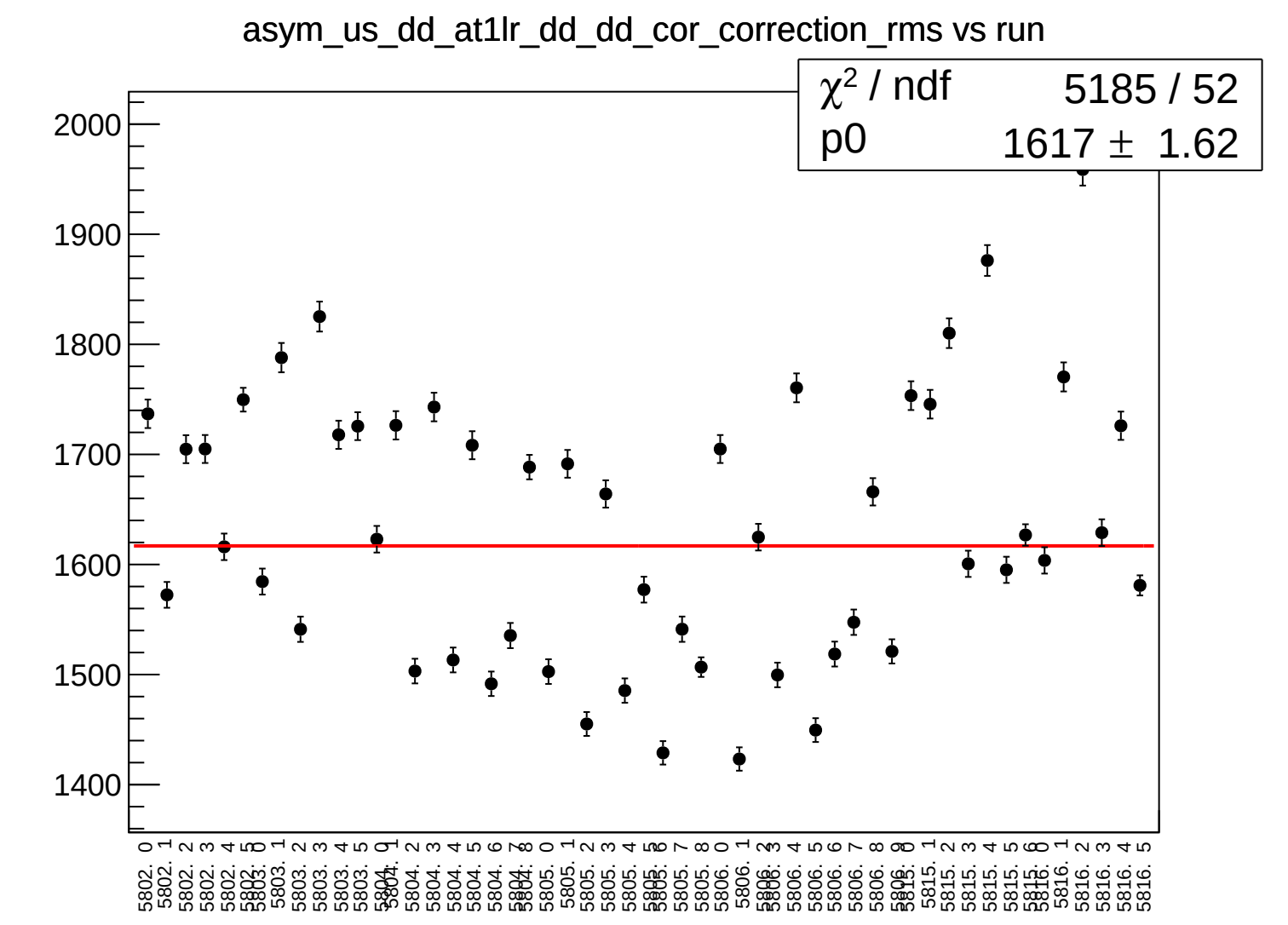

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47 / 52
p0 260.8 ± 3006
pull
Entries 53
Mean −135.6
Std Dev 0

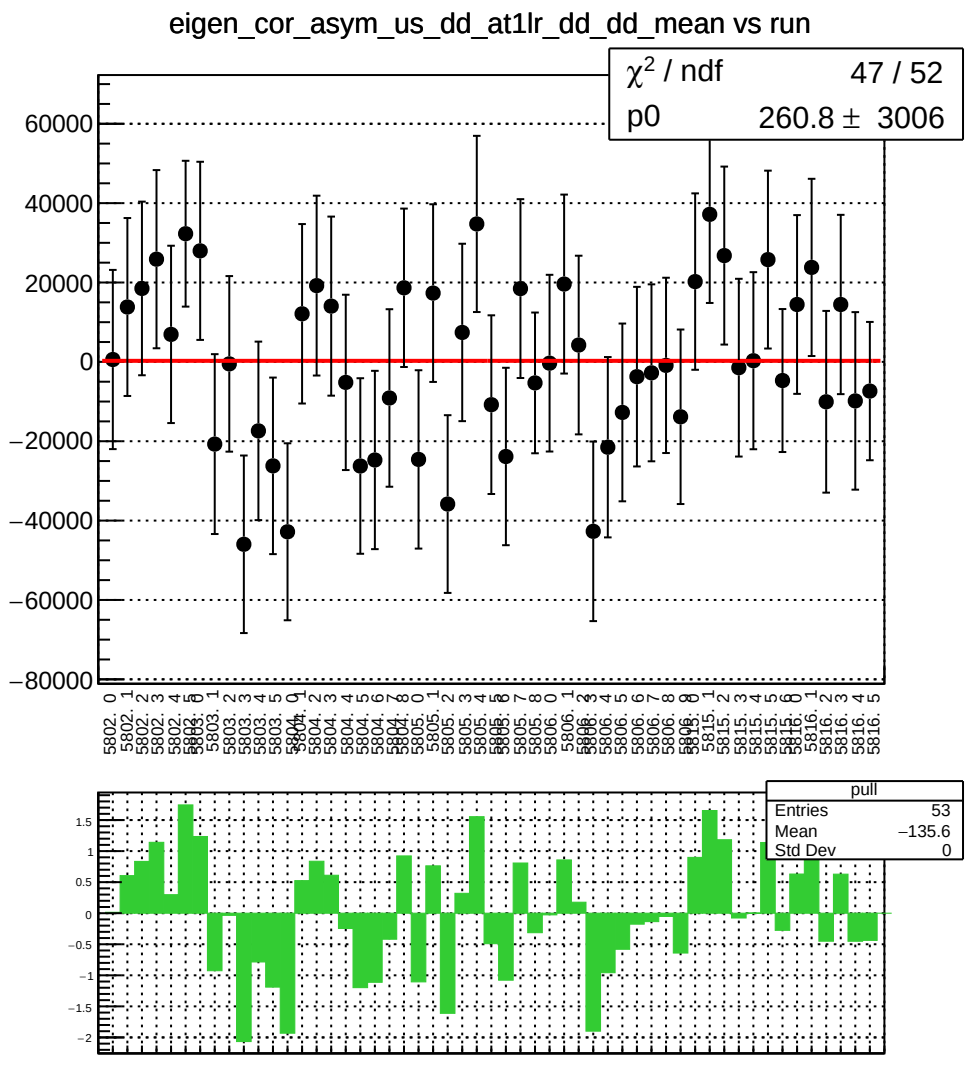

pull1D
Entries 53
Mean −0.004459
Std Dev 0.9417

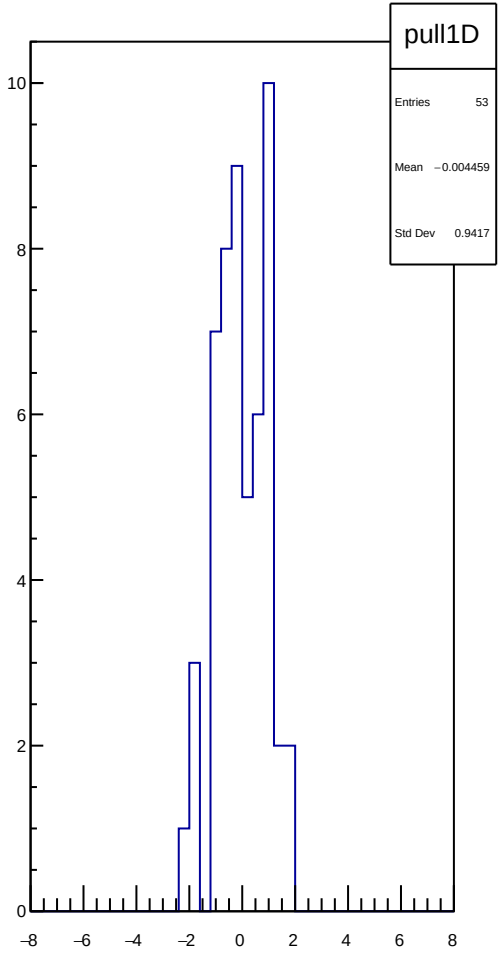

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 64.84 / 52
p0 2127 ± 2.125
2200
2180
2160
2140
2120
2100
2080
2060

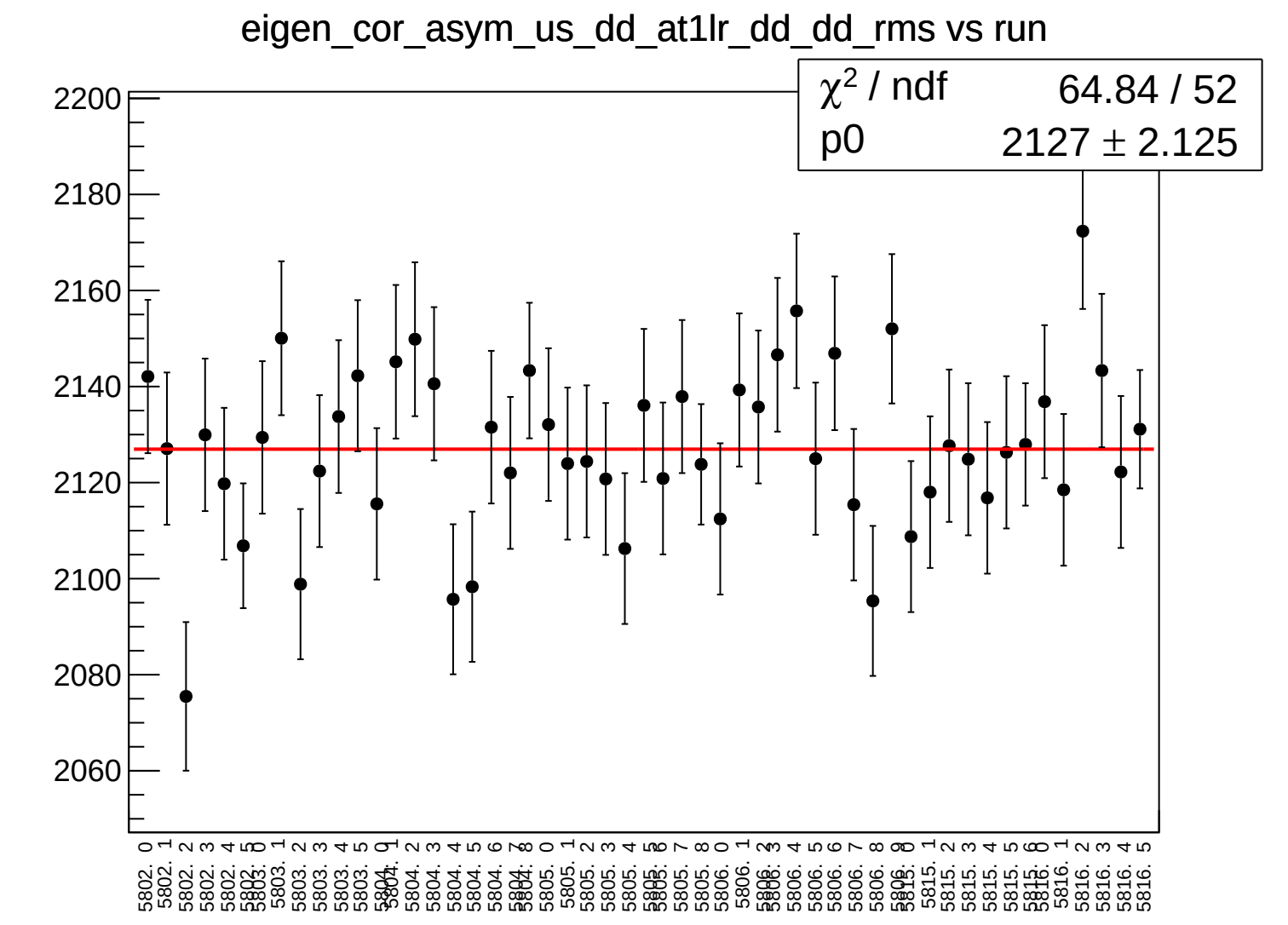

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 68.04 / 52
p0 1053 ± 2291
pull
Entries 53
Mean −79.42
Std Dev 0

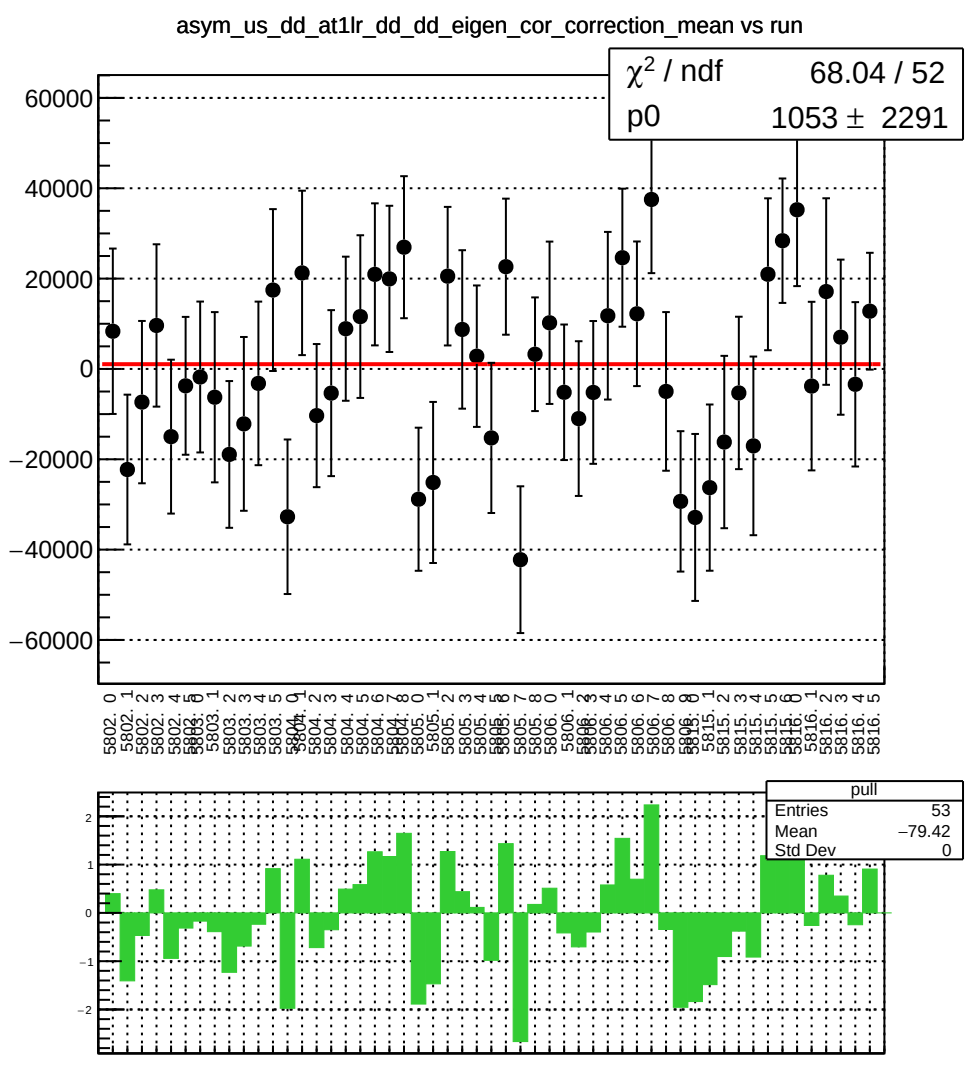

pull1D
Entries 53
Mean −0.02714
Std Dev 1.133

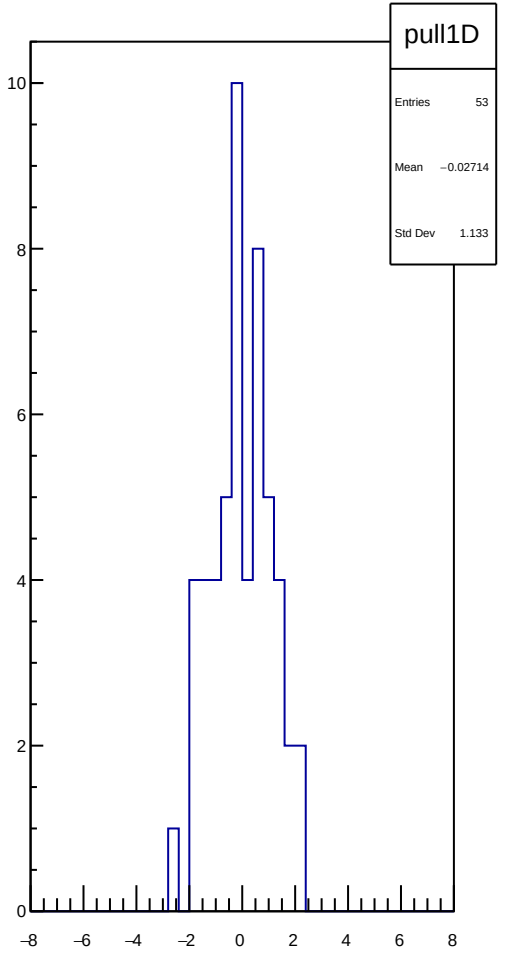

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 5185 / 52
p0 1617 ± 1.62
2000
1900
1800
1700
1600
1500
1400

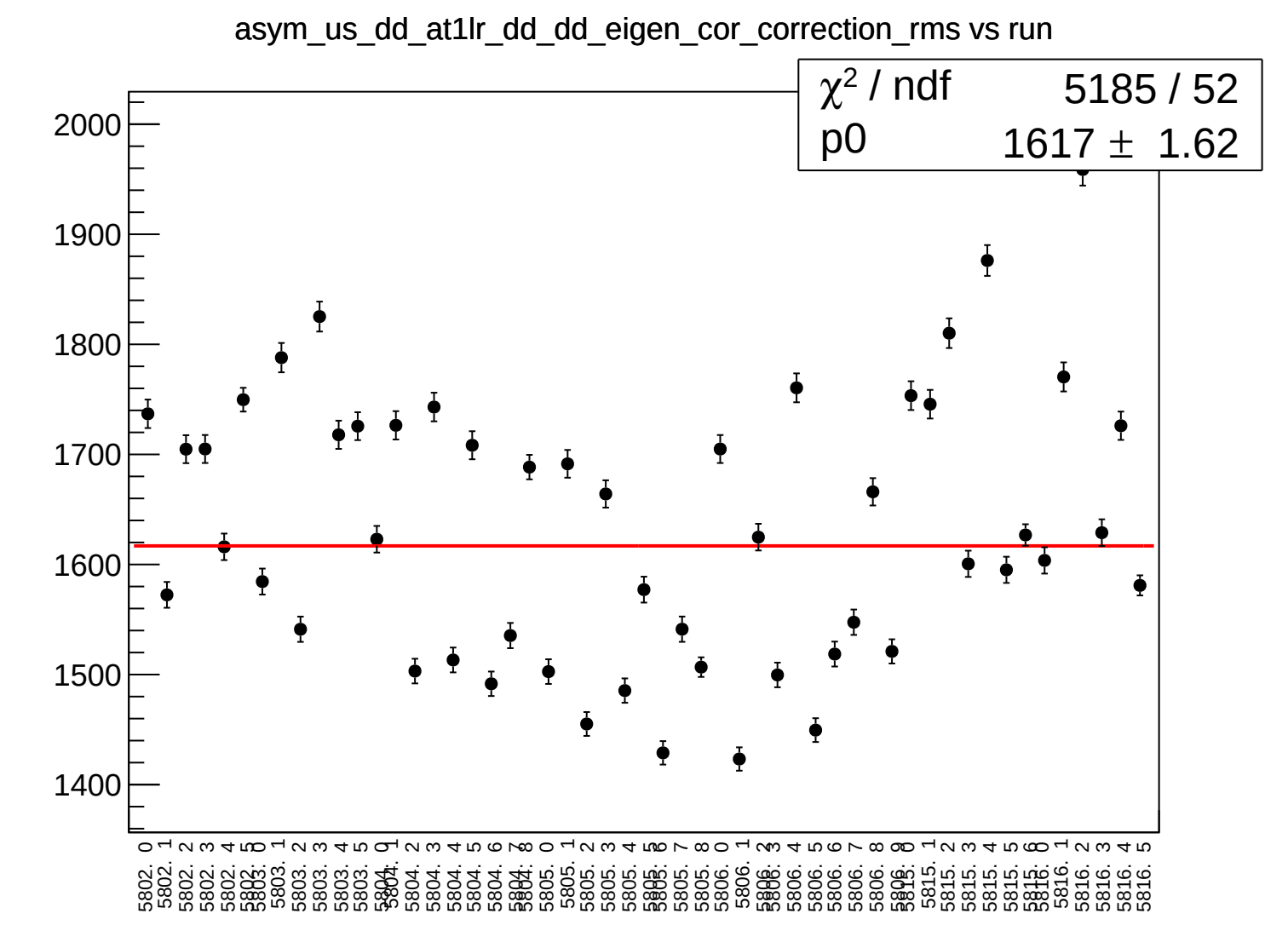

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 47 / 52
p0 260.8 ± 3006
pull
Entries 53
Mean −135.6
Std Dev 0

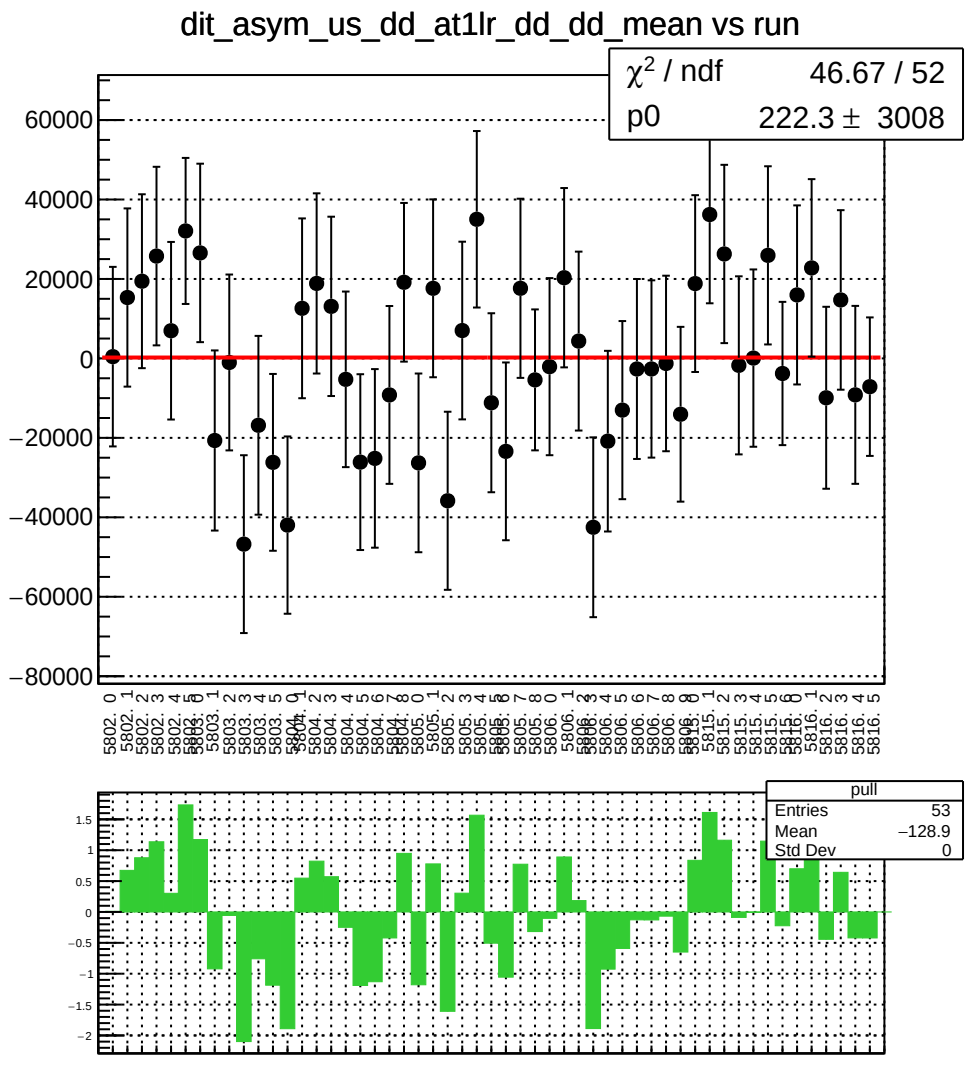

pull1D
Entries 53
Mean −0.004459
Std Dev 0.9417

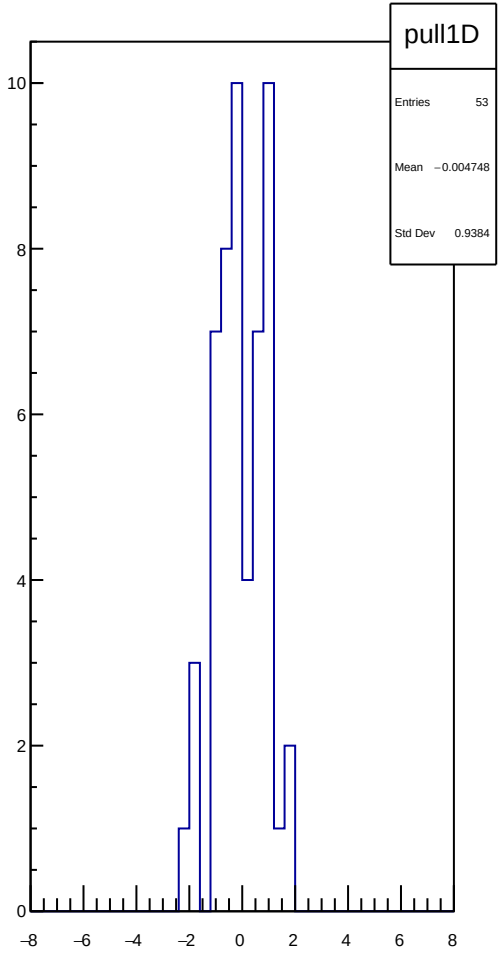

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 64.84 / 52
p0 2127 ± 2.125
2200
2180
2160
2140
2120
2100
2080
2060

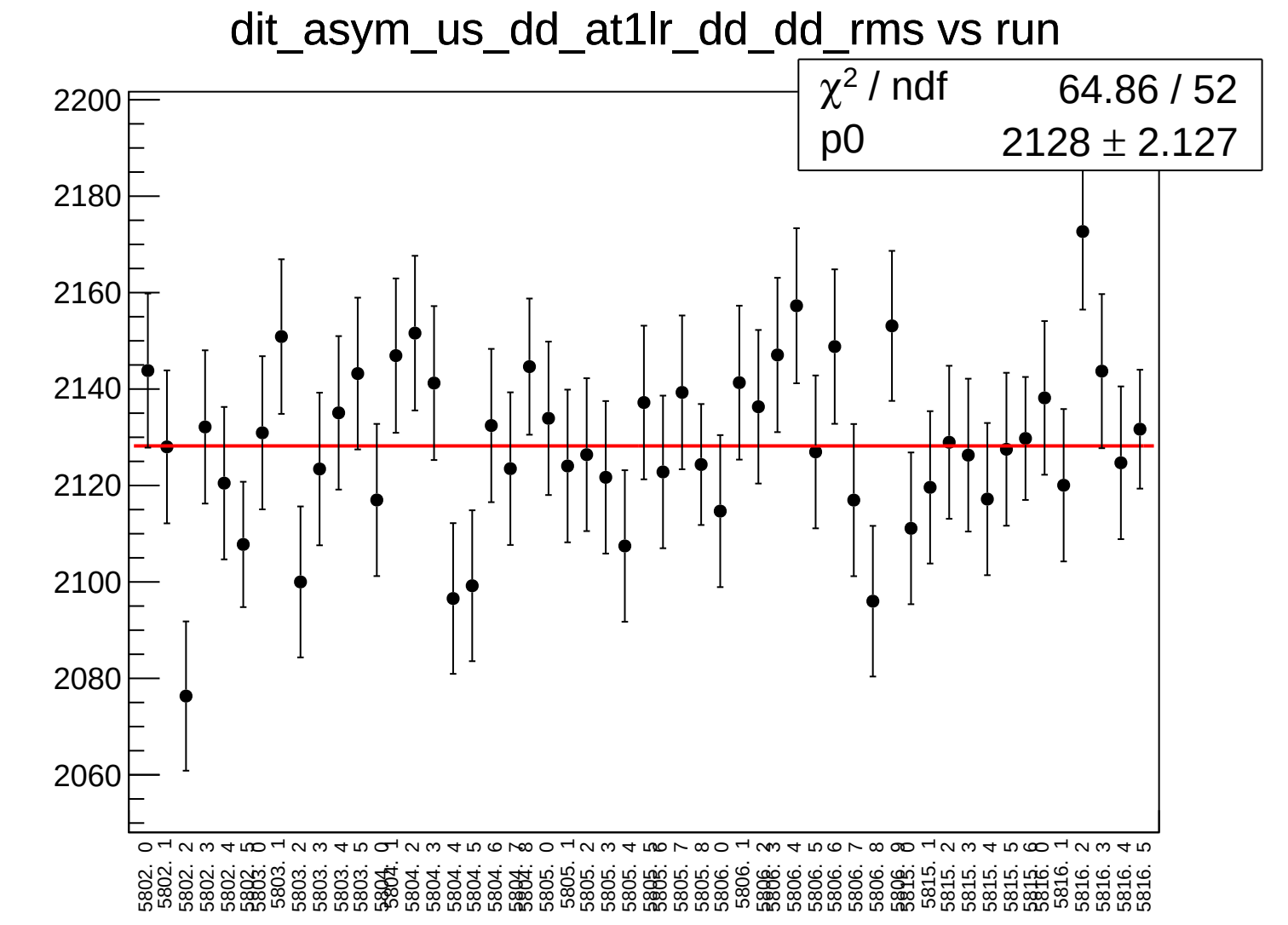

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.04 / 52
p0 1053 ± 2291
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −79.42
Std Dev 0
2
1
0
−1
−2

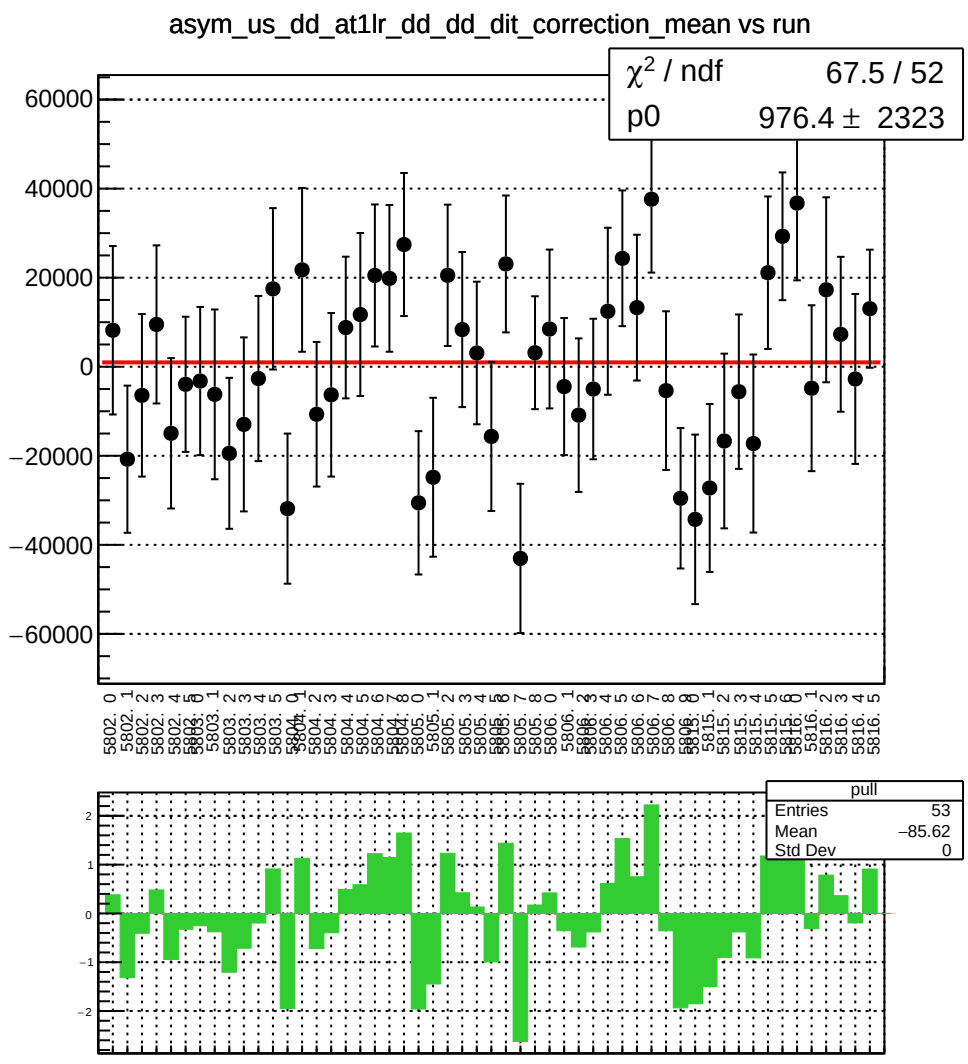

pull1D
Entries 53
Mean −0.02714
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

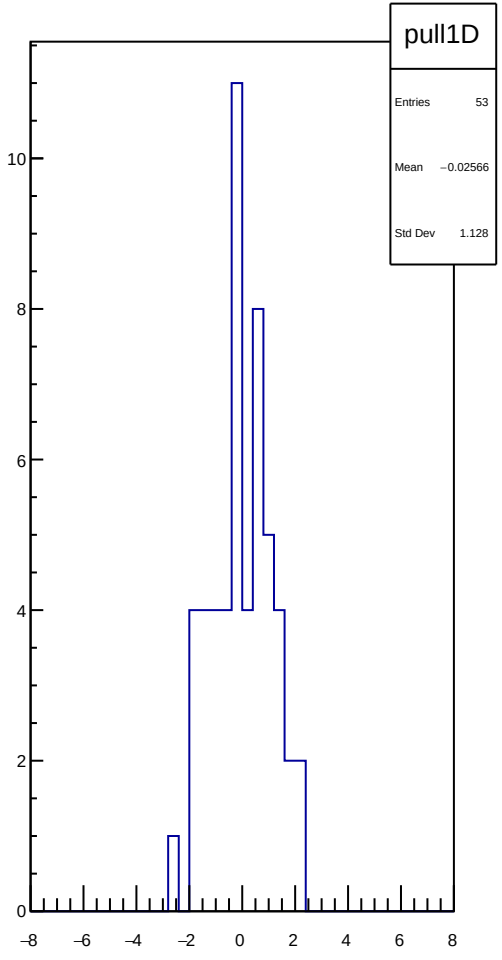

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5185 / 52
p0 1617 ± 1.62
2000
1900
1800
1700
1600
1500
1400

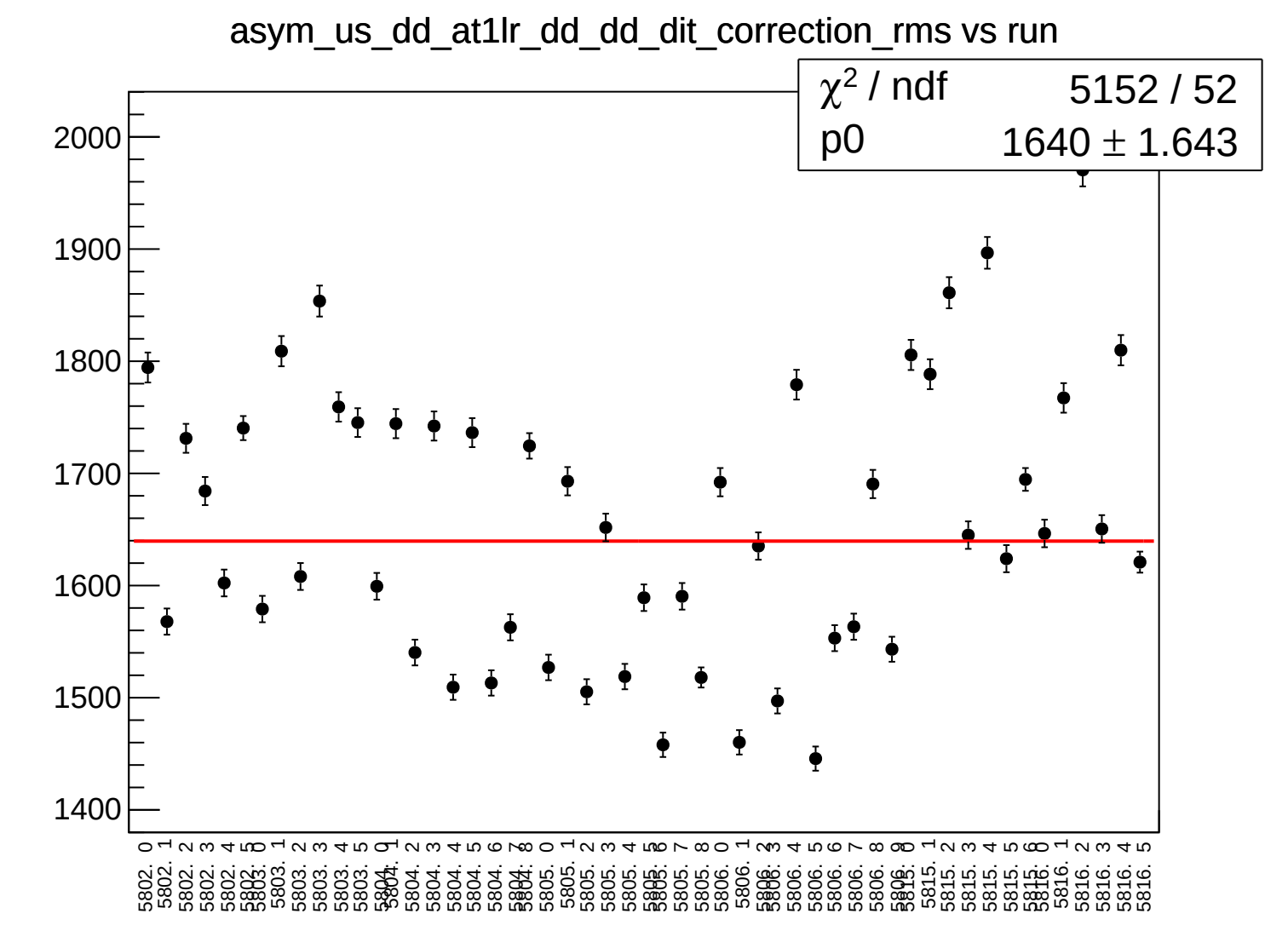

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.67 / 52
p0 222.3 ± 3008
pull
Entries 53
Mean −128.9
Std Dev 0

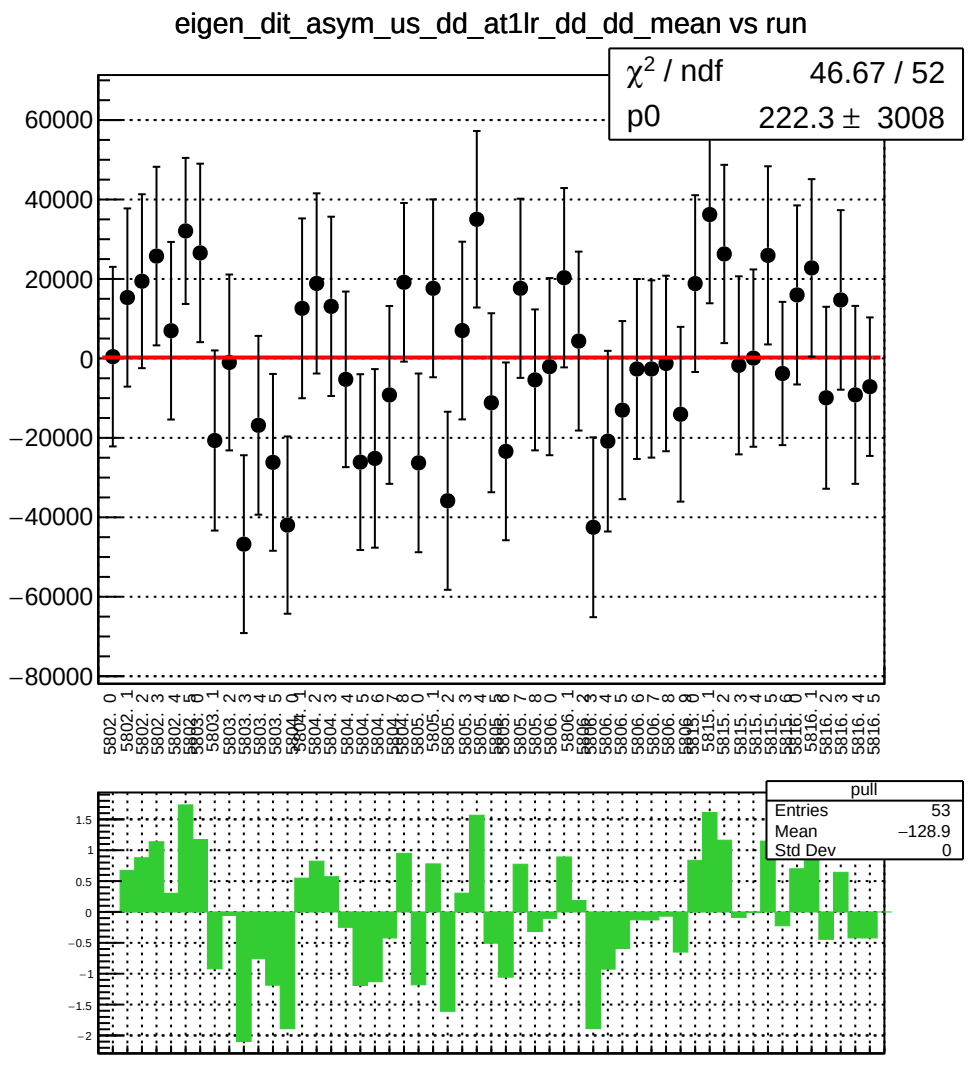

pull1D
Entries 53
Mean −0.004748
Std Dev 0.9384

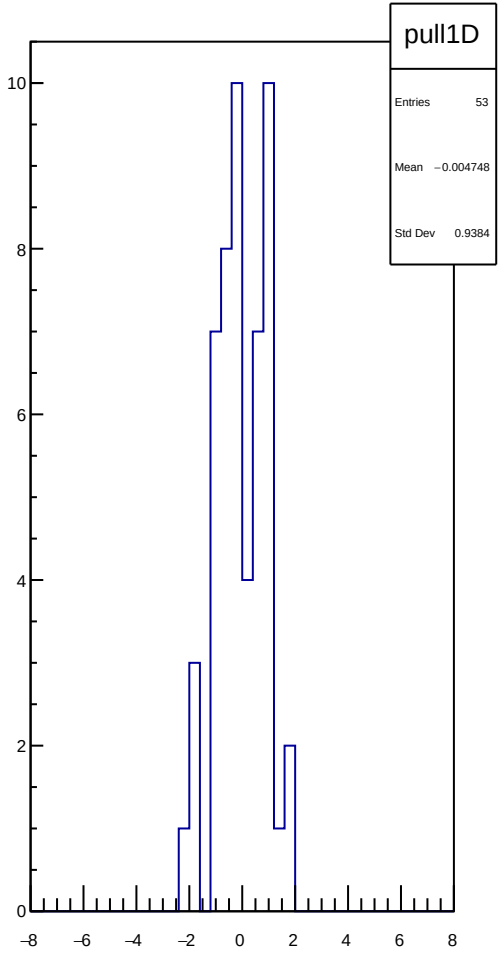

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 64.86 / 52
p0 2128 ± 2.127
2200
2180
2160
2140
2120
2100
2080
2060

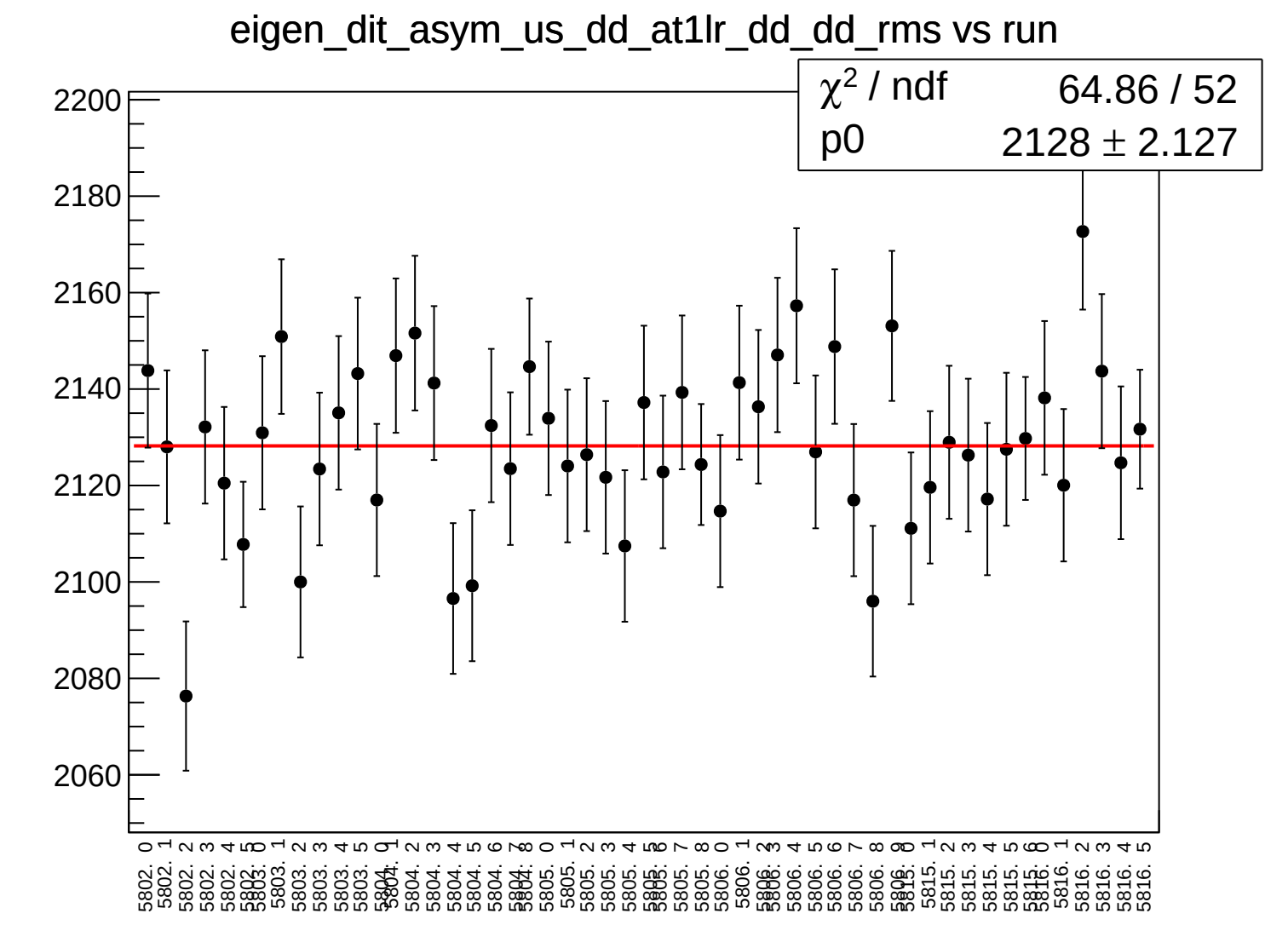

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 67.5 / 52
p0 976.4 ± 2323
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −85.62
Std Dev 0
2
1
0
−1
−2

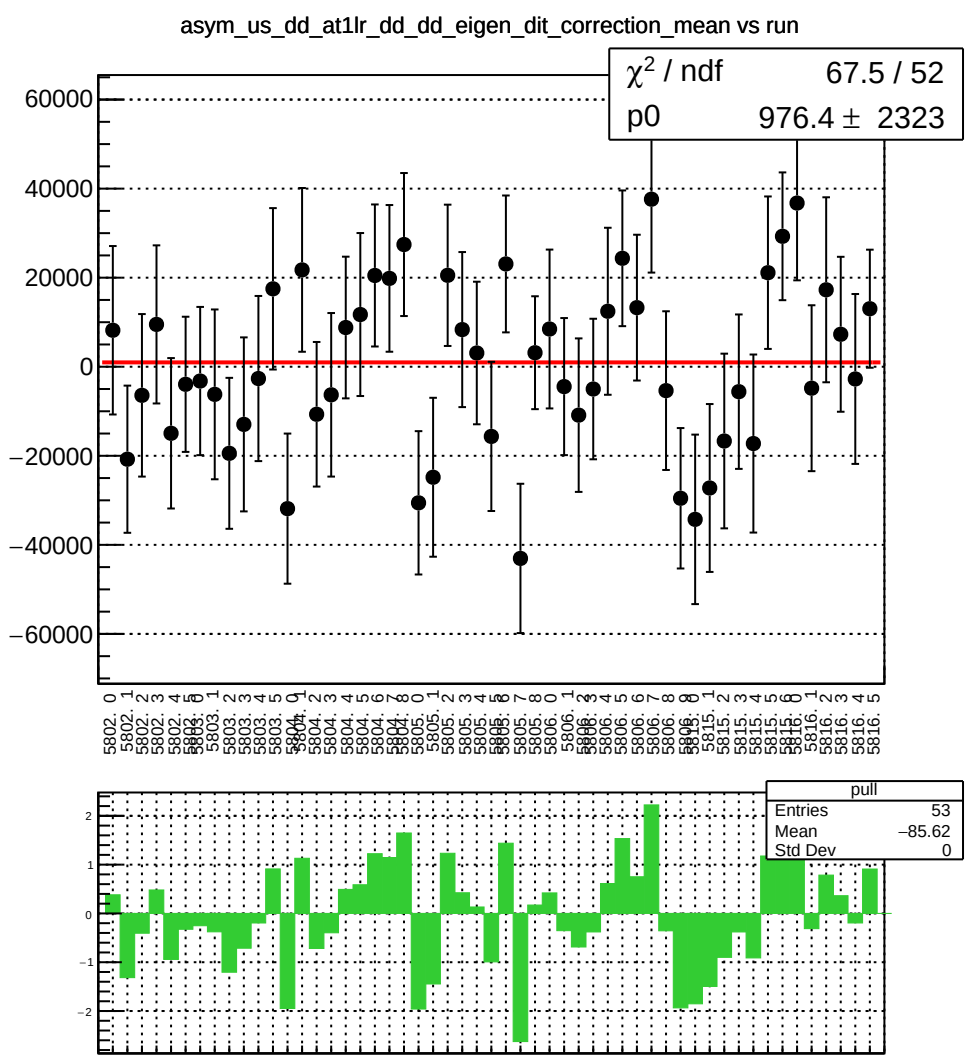

pull1D
Entries 53
Mean −0.02566
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

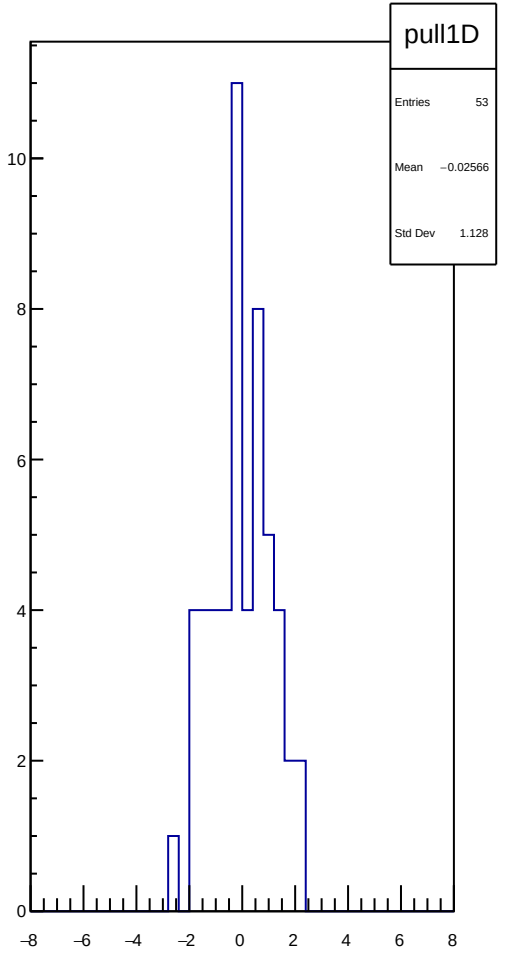

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 5152 / 52
p0 1640 ± 1.643
2000
1900
1800
1700
1600
1500
1400

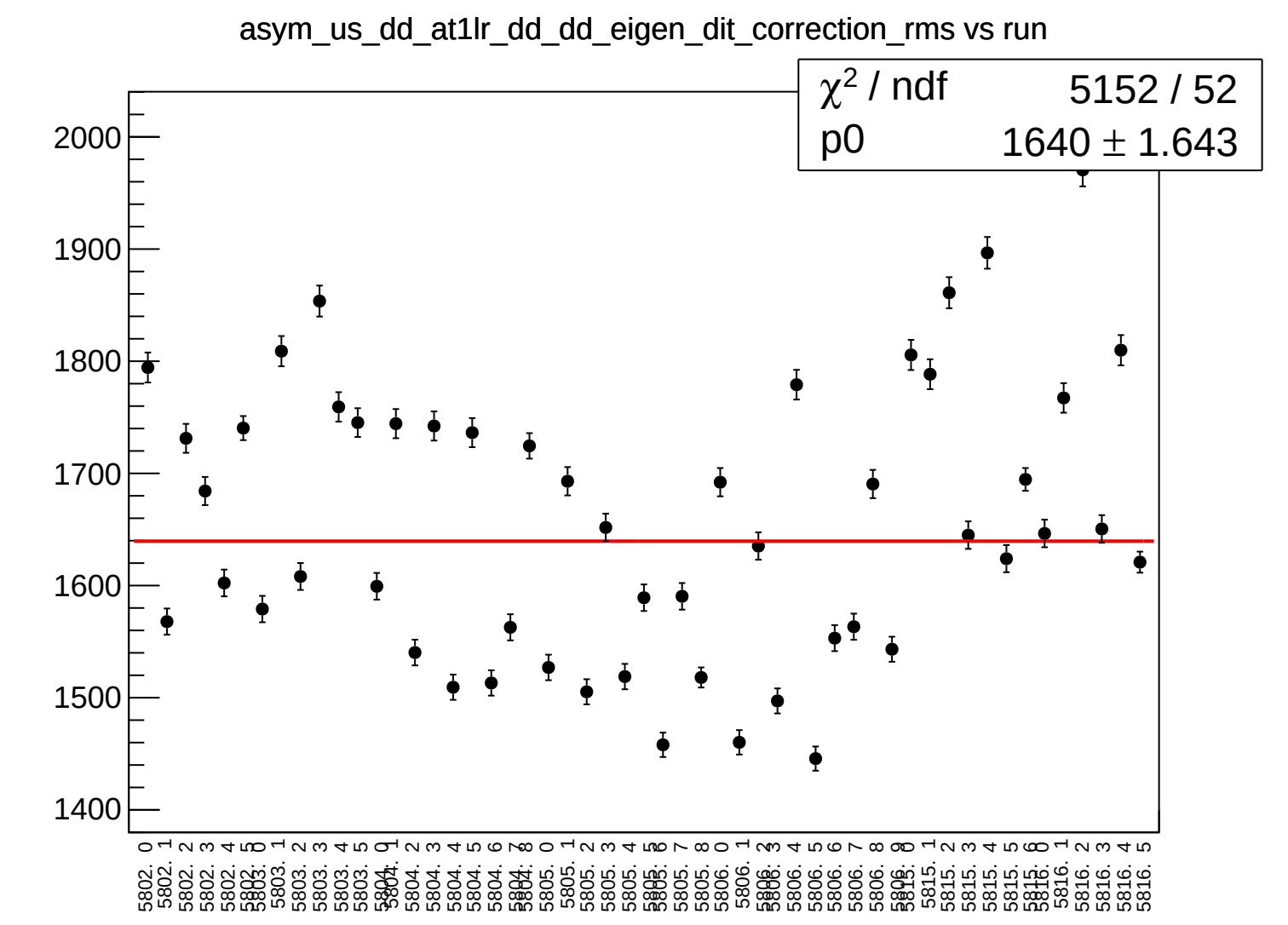

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 46.67 / 52
p0 222.3 ± 3008
pull
Entries 53
Mean −128.9
Std Dev 0

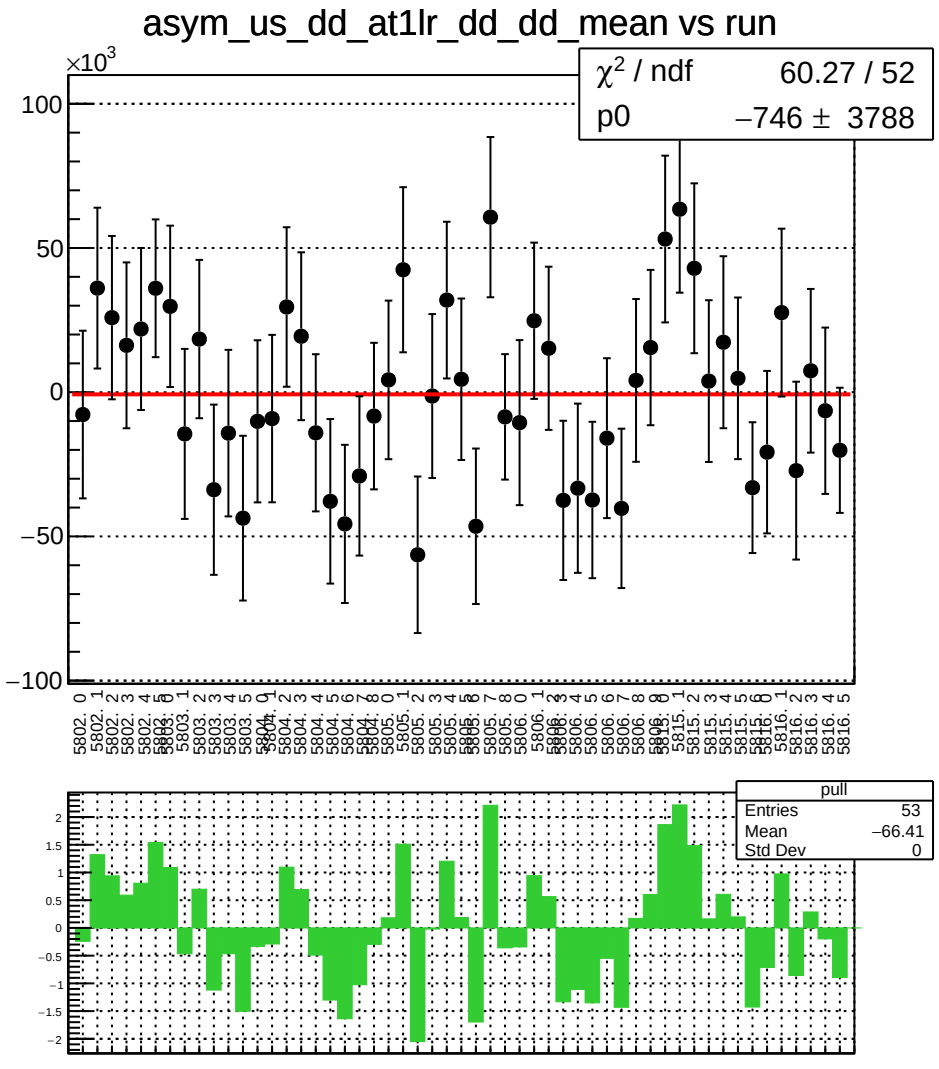

pull1D
Entries 53
Mean −0.004748
Std Dev 0.9384

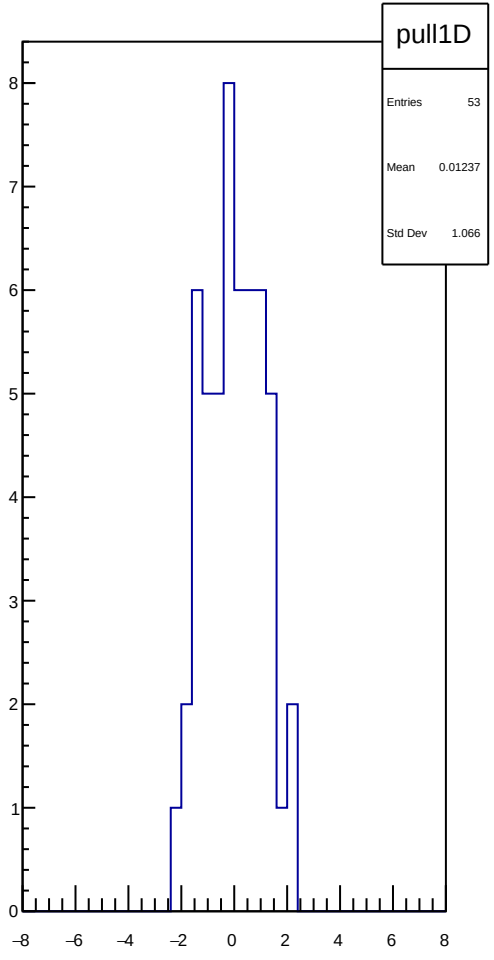

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 64.86 / 52
p0 2128 ± 2.127
2200
2180
2160
2140
2120
2100
2080
2060

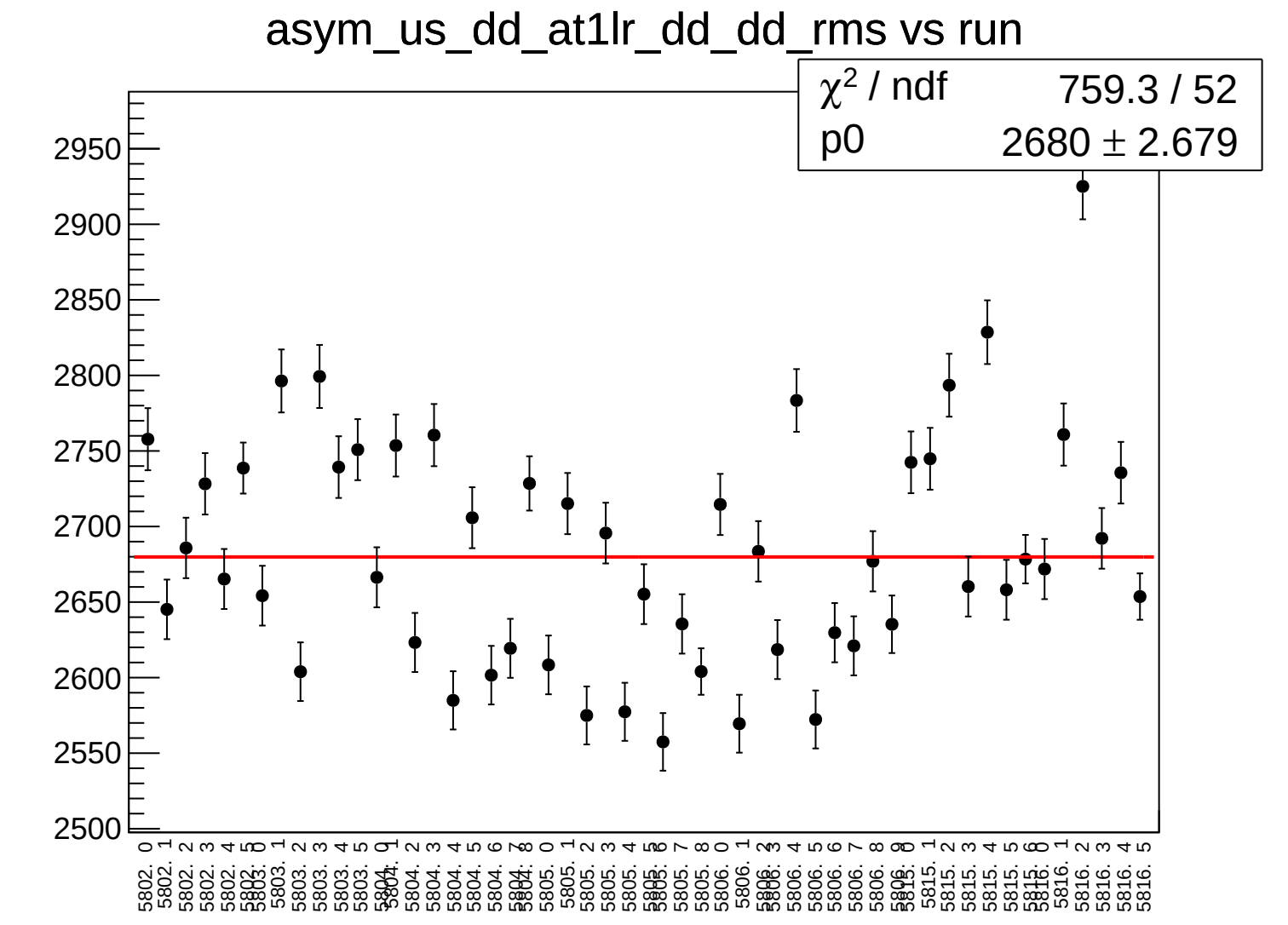

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.5 / 52
p0 976.4 ± 2323
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −85.62
Std Dev 0
2
1
0
−1
−2

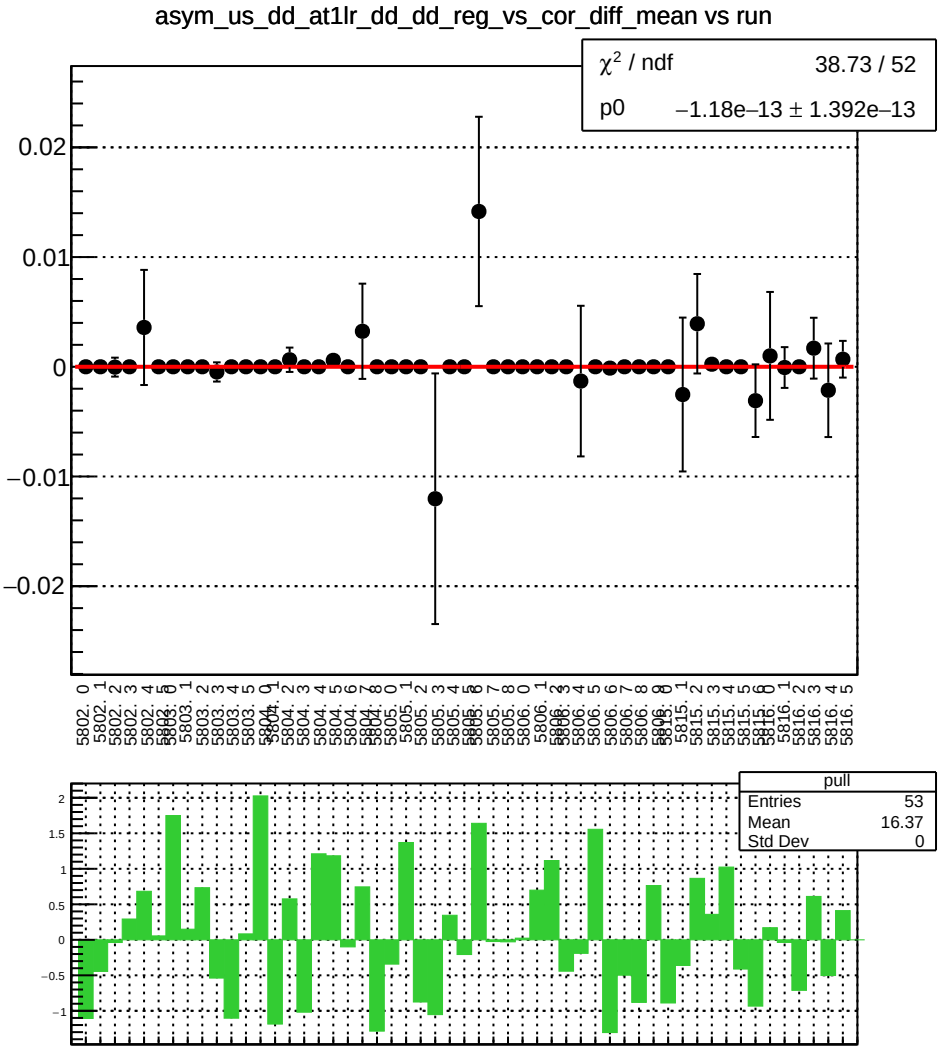

pull1D
Entries 53
Mean −0.02566
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

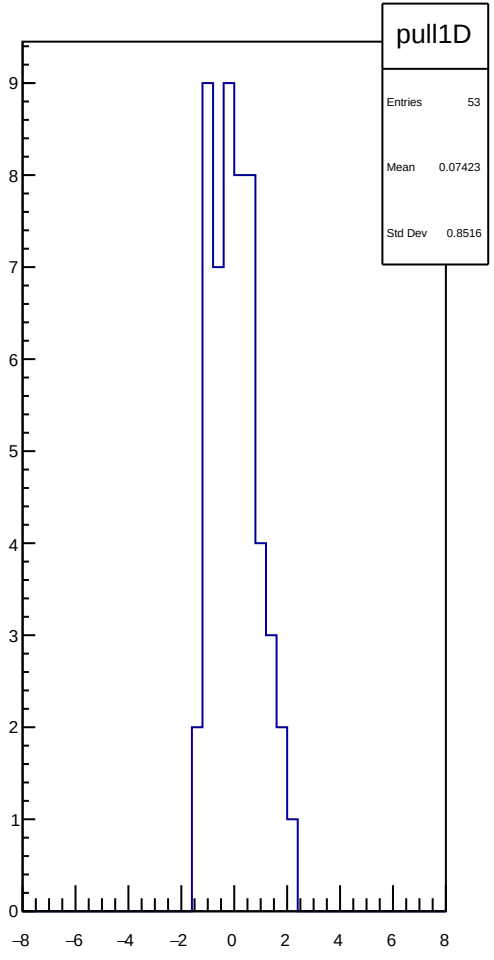

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5152 / 52
p0 1640 ± 1.643
2000
1900
1800
1700
1600
1500
1400

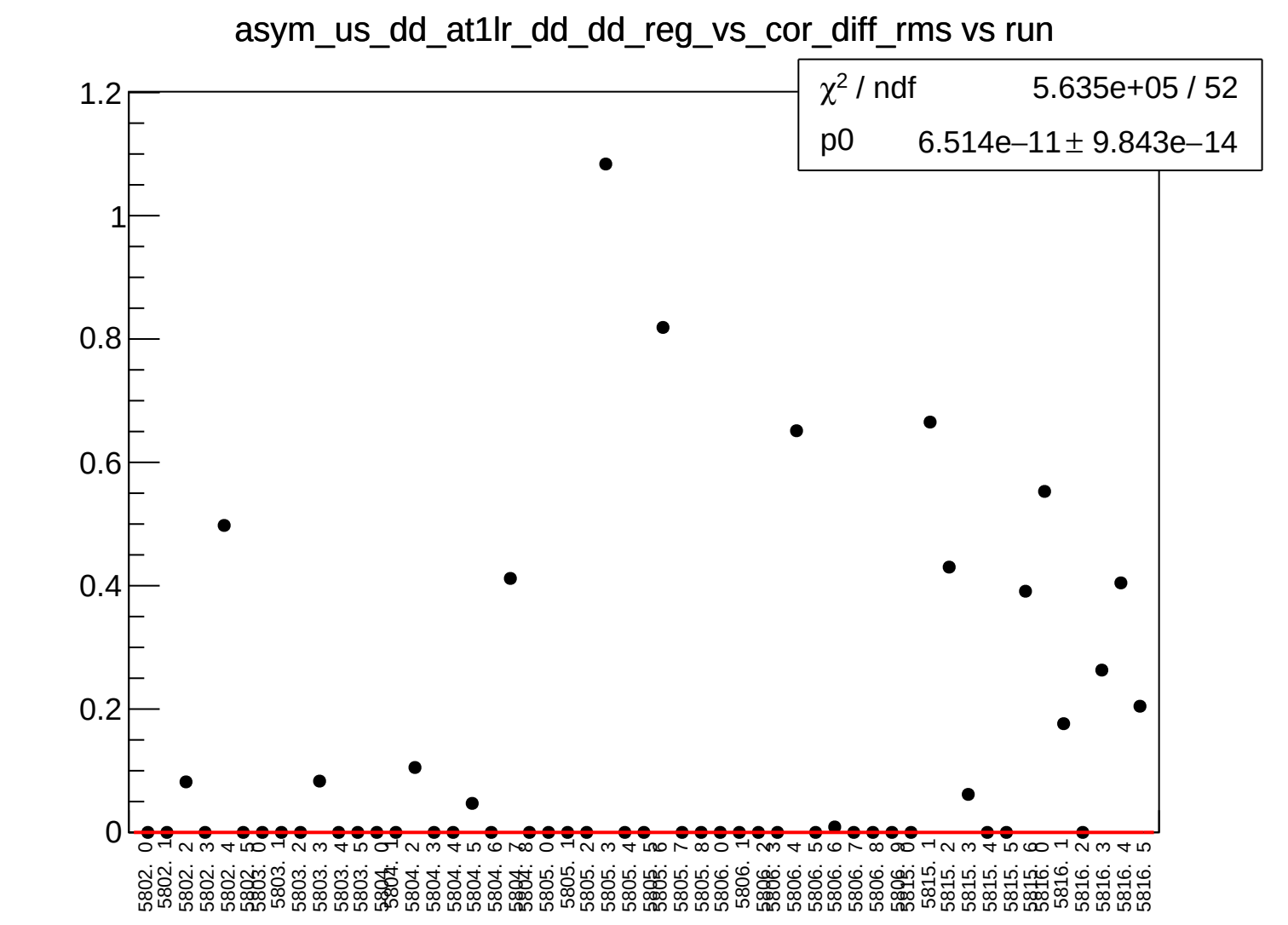

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 60.27 / 52
p0 −746 ± 3788
×10³
pull
Entries 53
Mean −66.41
Std Dev 0

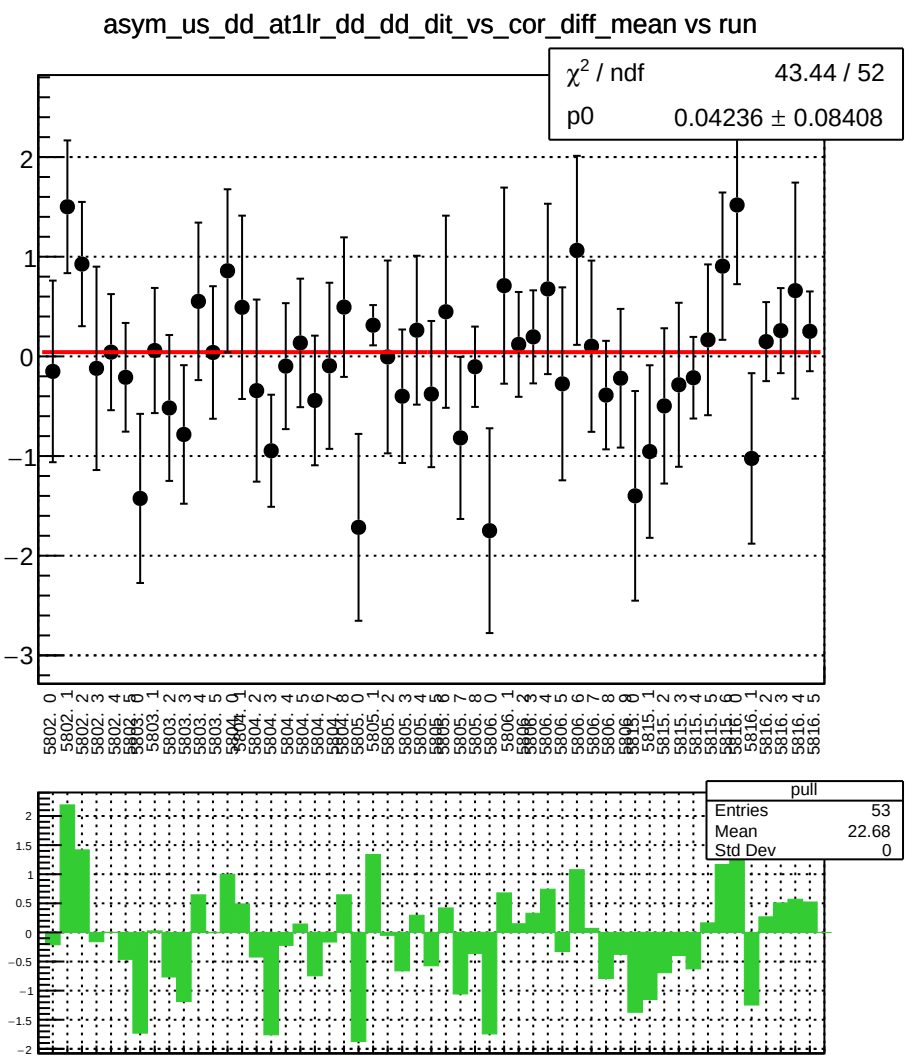

pull1D
Entries 53
Mean 0.01237
Std Dev 1.066

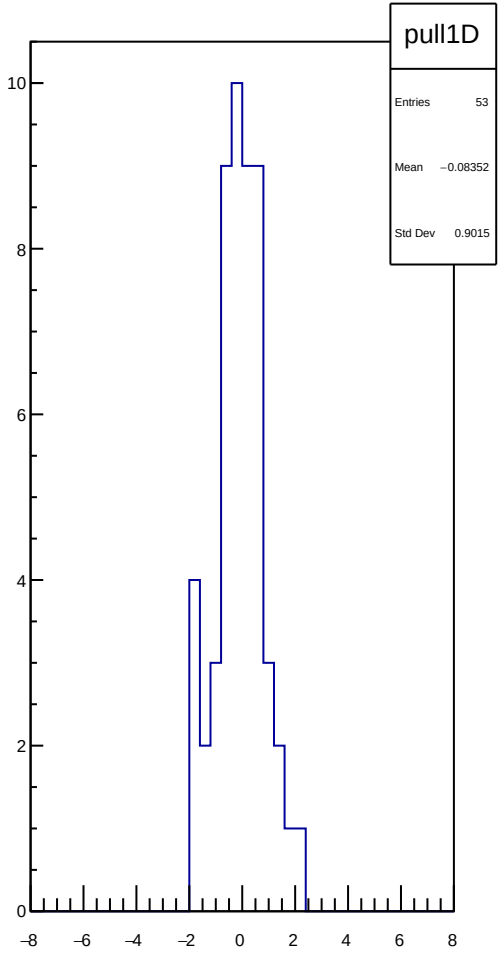

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 759.3 / 52
p0 2680 ± 2.679
2950
2900
2850
2800
2750
2700
2650
2600
2550
2500

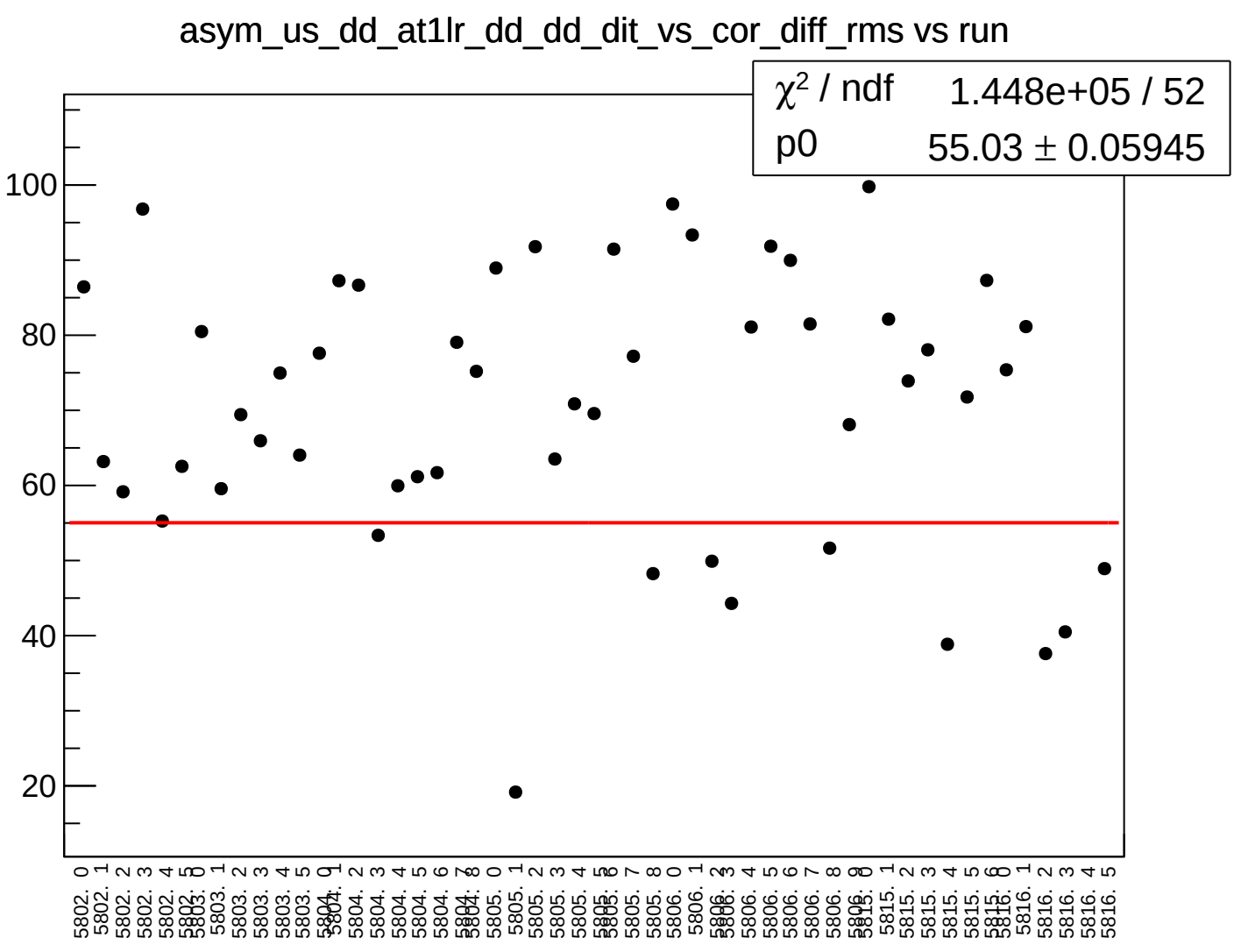

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 38.73 / 52
p0 −1.18e−13 ± 1.392e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean 16.37
Std Dev 0

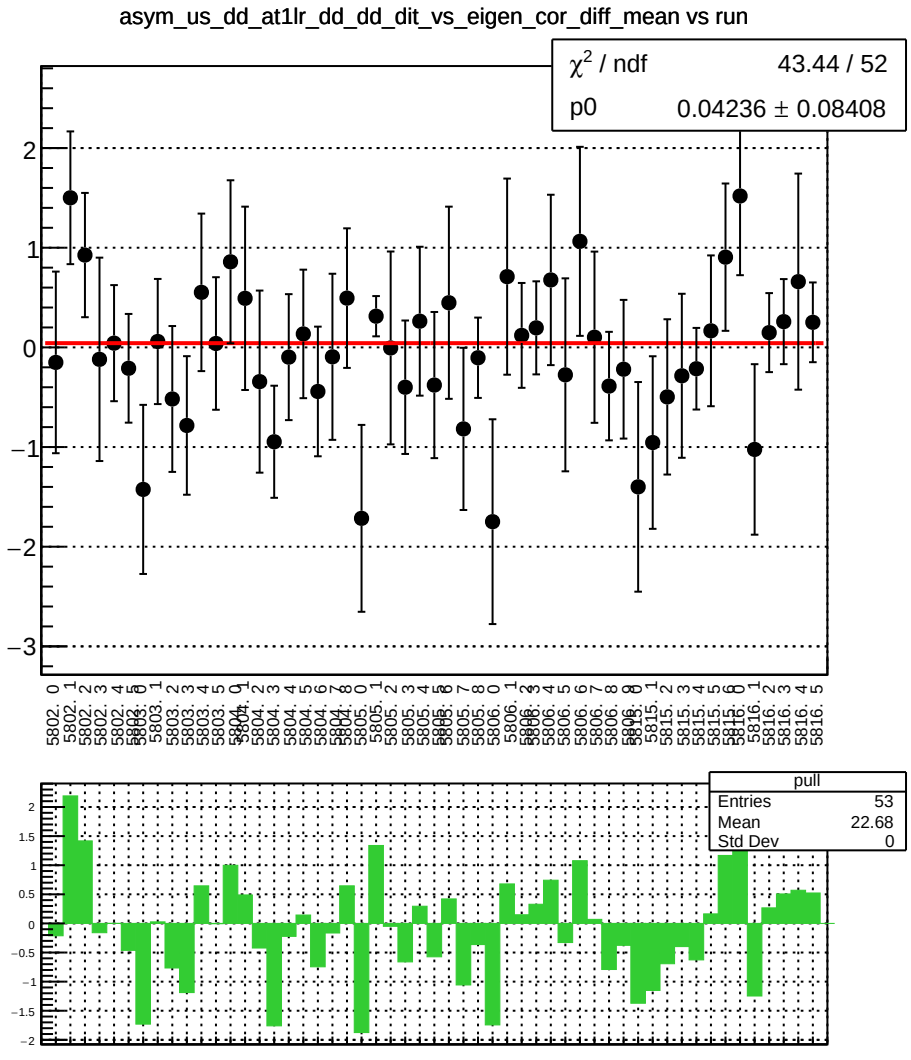

pull1D
Entries 53
Mean 0.07423
Std Dev 0.8516

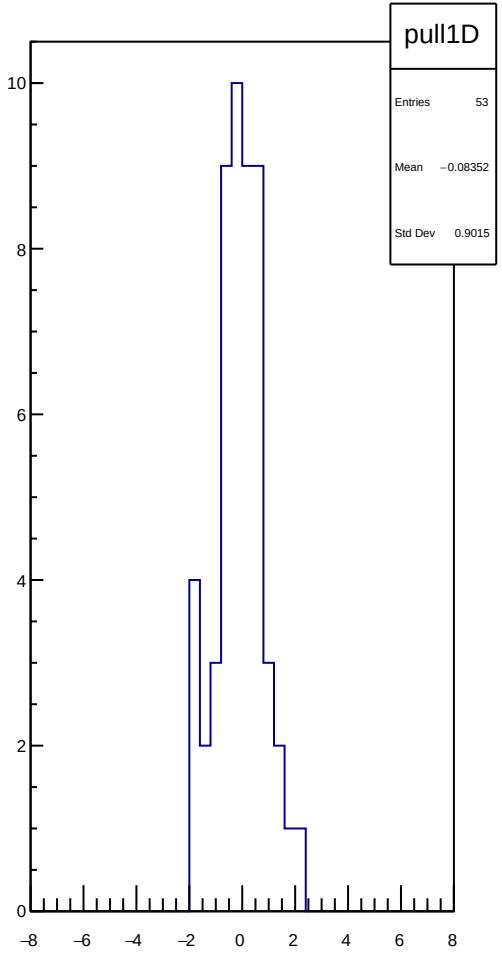

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.635e+05 / 52
p0 6.514e−11 ± 9.843e−14
1.2
1
0.8
0.6
0.4
0.2
0

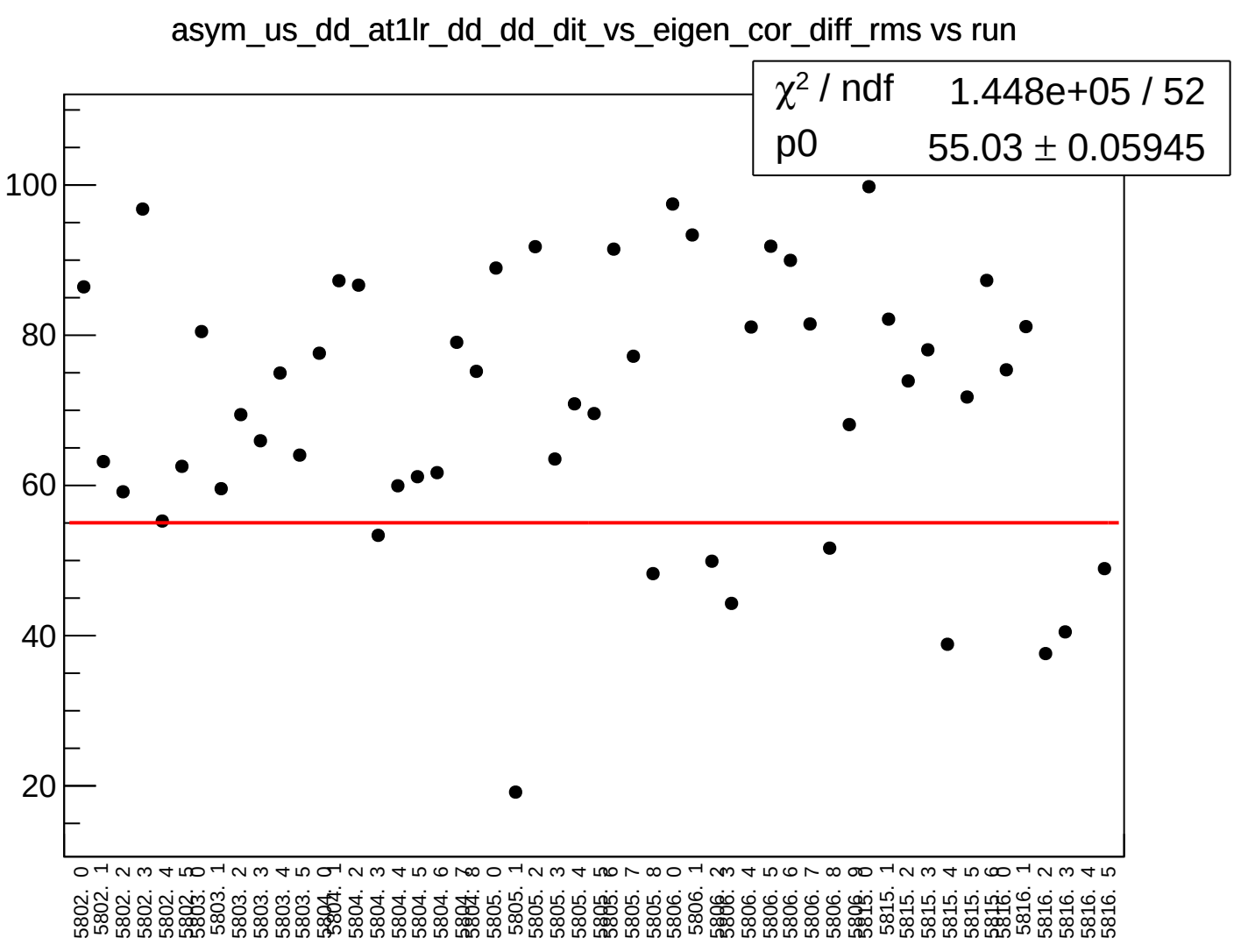

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.44 / 52
p0 0.04236 ± 0.08408
pull
Entries 53
Mean 22.68
Std Dev 0

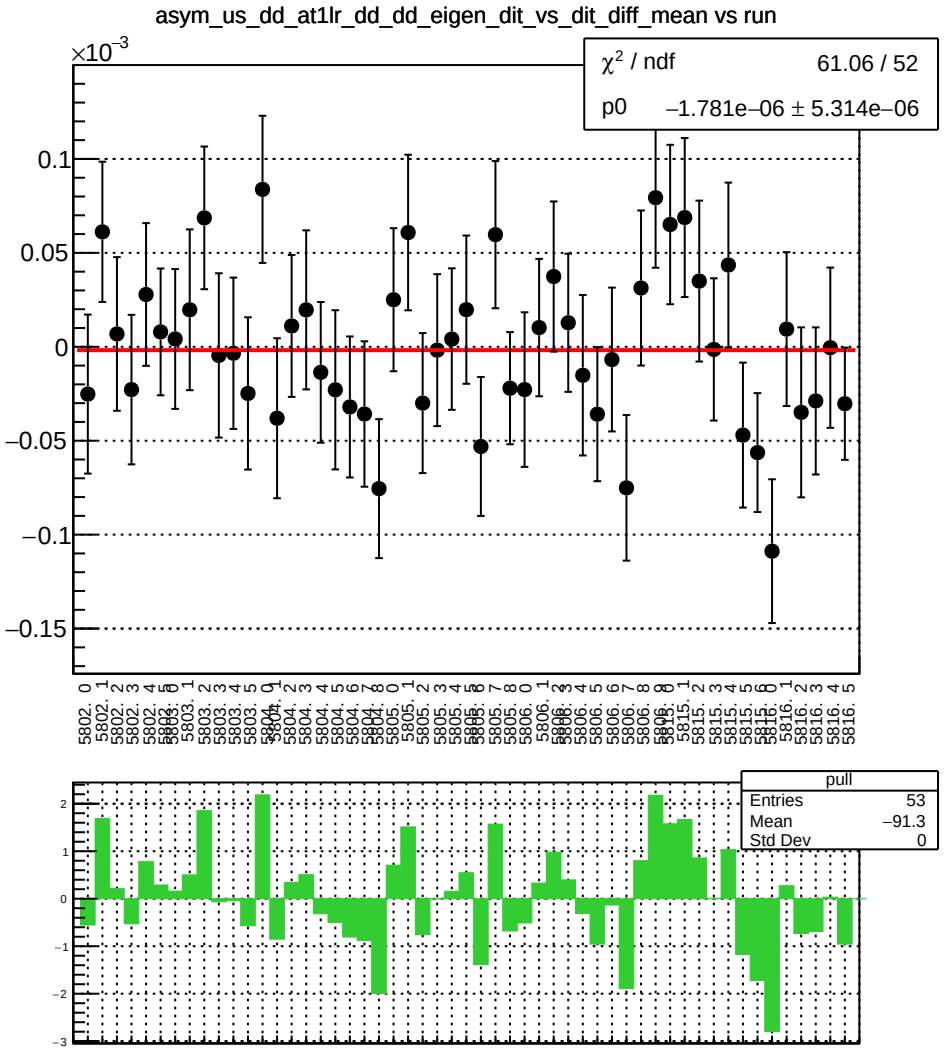

pull1D
Entries 53
Mean −0.08352
Std Dev 0.9015

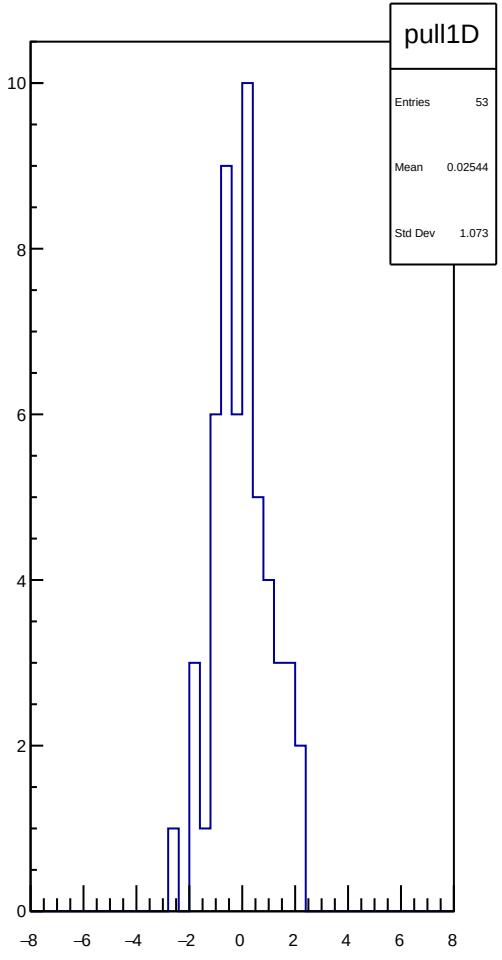

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.448e+05 / 52
p0 55.03 ± 0.05945
100
80
60
40
20

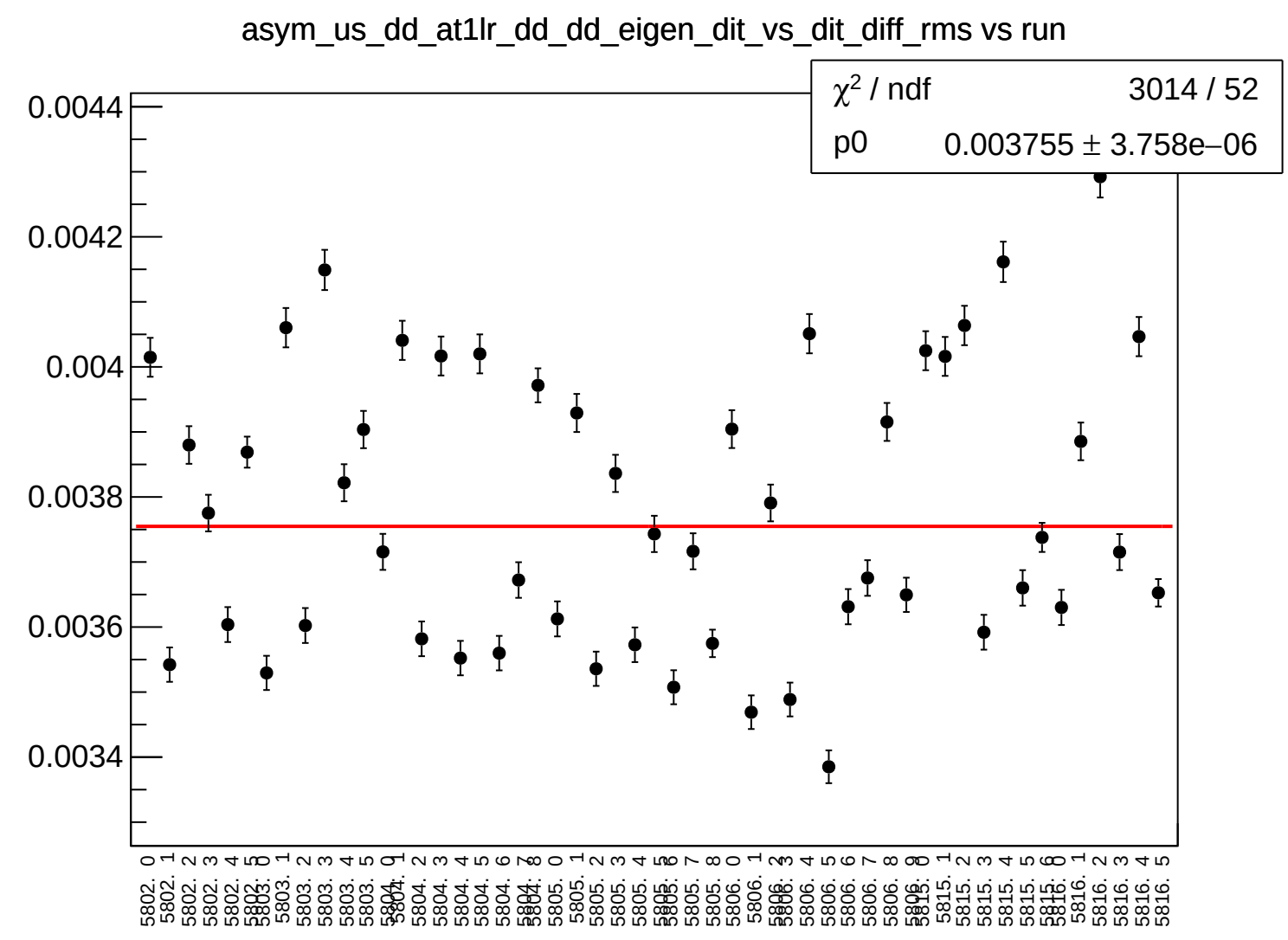

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.44 / 52
p0 0.04236 ± 0.08408
pull
Entries 53
Mean 22.68
Std Dev 0

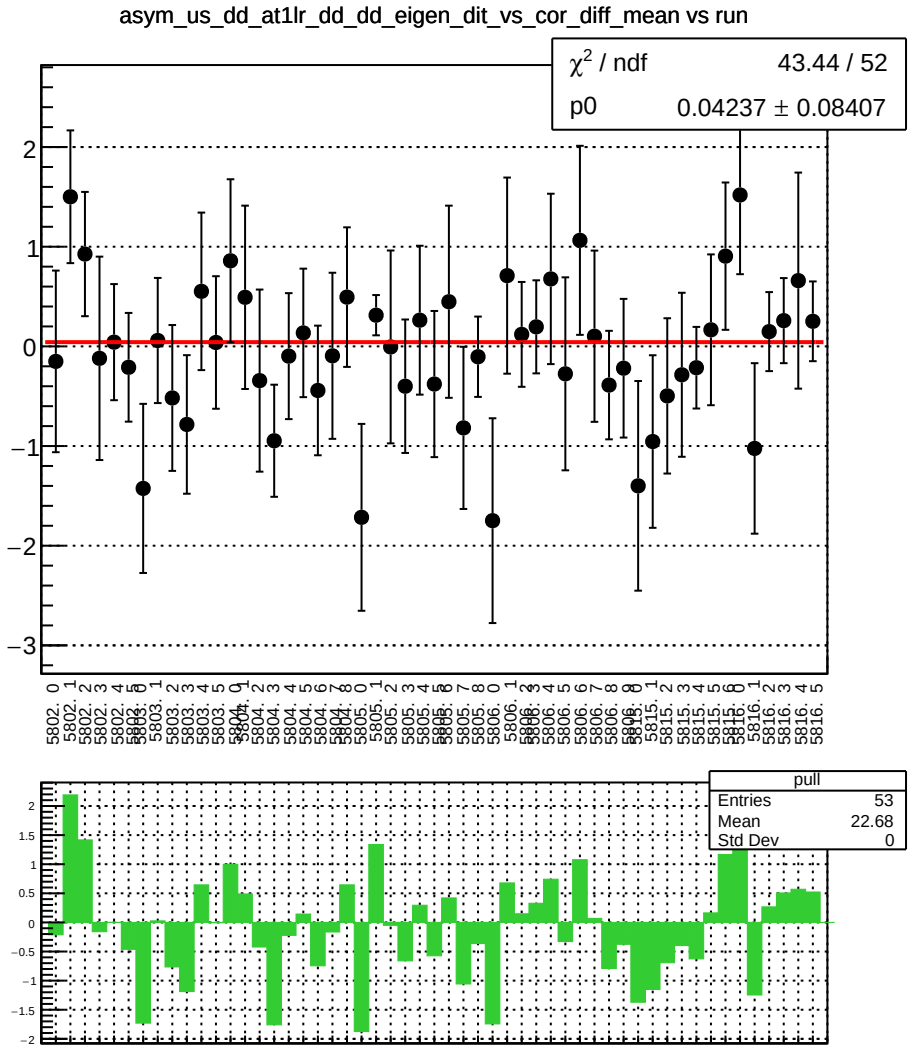

pull1D
Entries 53
Mean −0.08352
Std Dev 0.9015

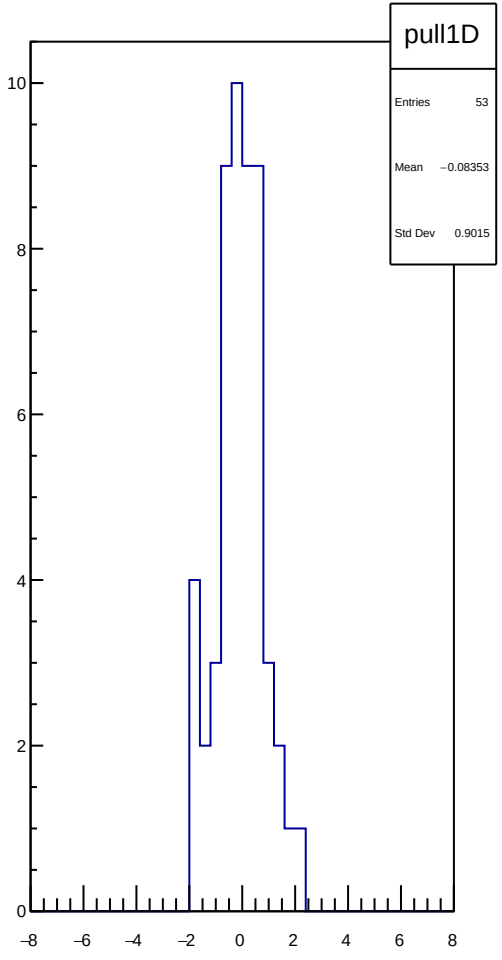

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.448e+05 / 52
p0 55.03 ± 0.05945
100
80
60
40
20

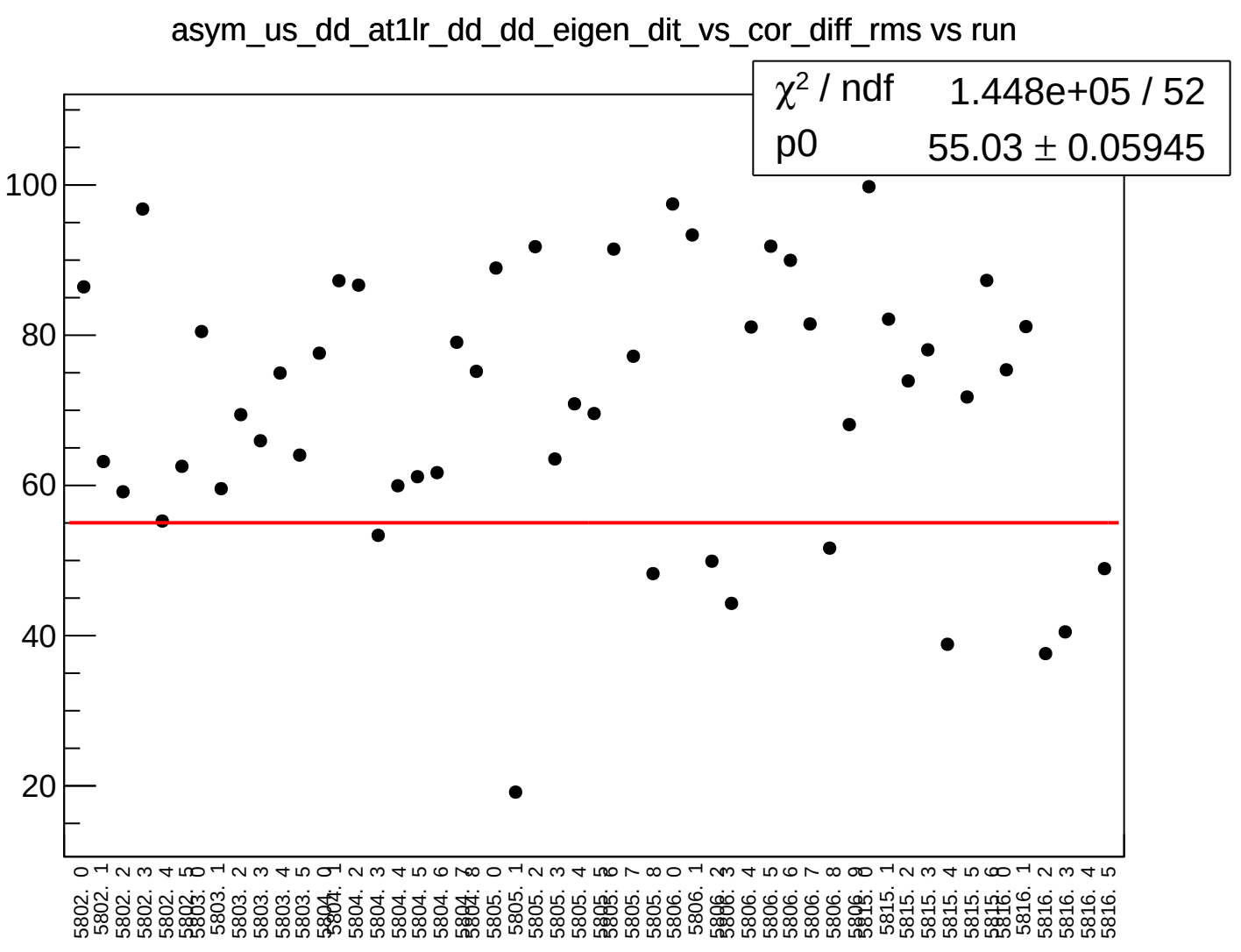

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.06 / 52
p0 −1.781e−06 ± 5.314e−06
pull
Entries 53
Mean −91.3
Std Dev 0

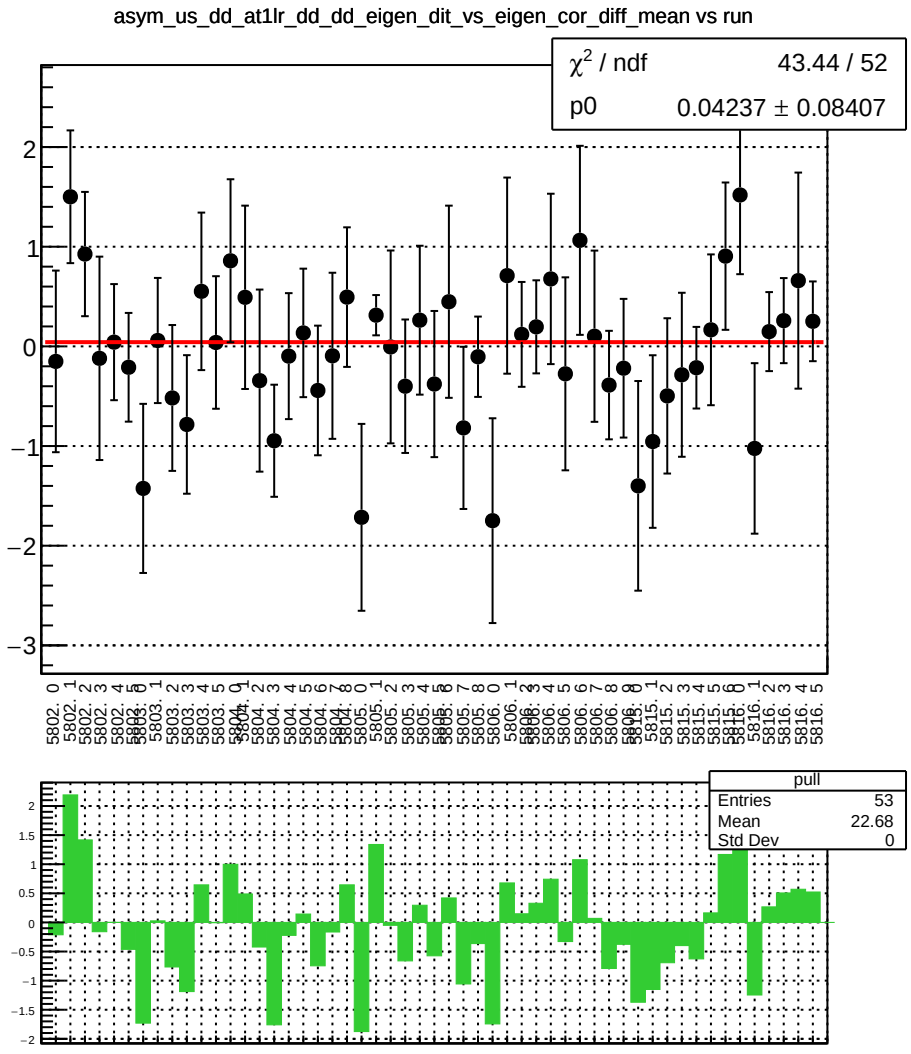

pull1D
Entries 53
Mean 0.02544
Std Dev 1.073

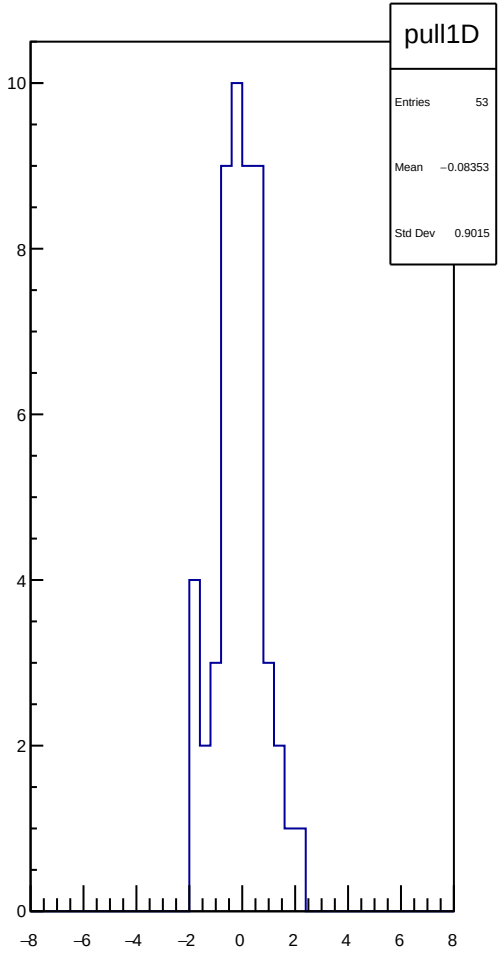

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3014 / 52
p0 0.003755 ± 3.758e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

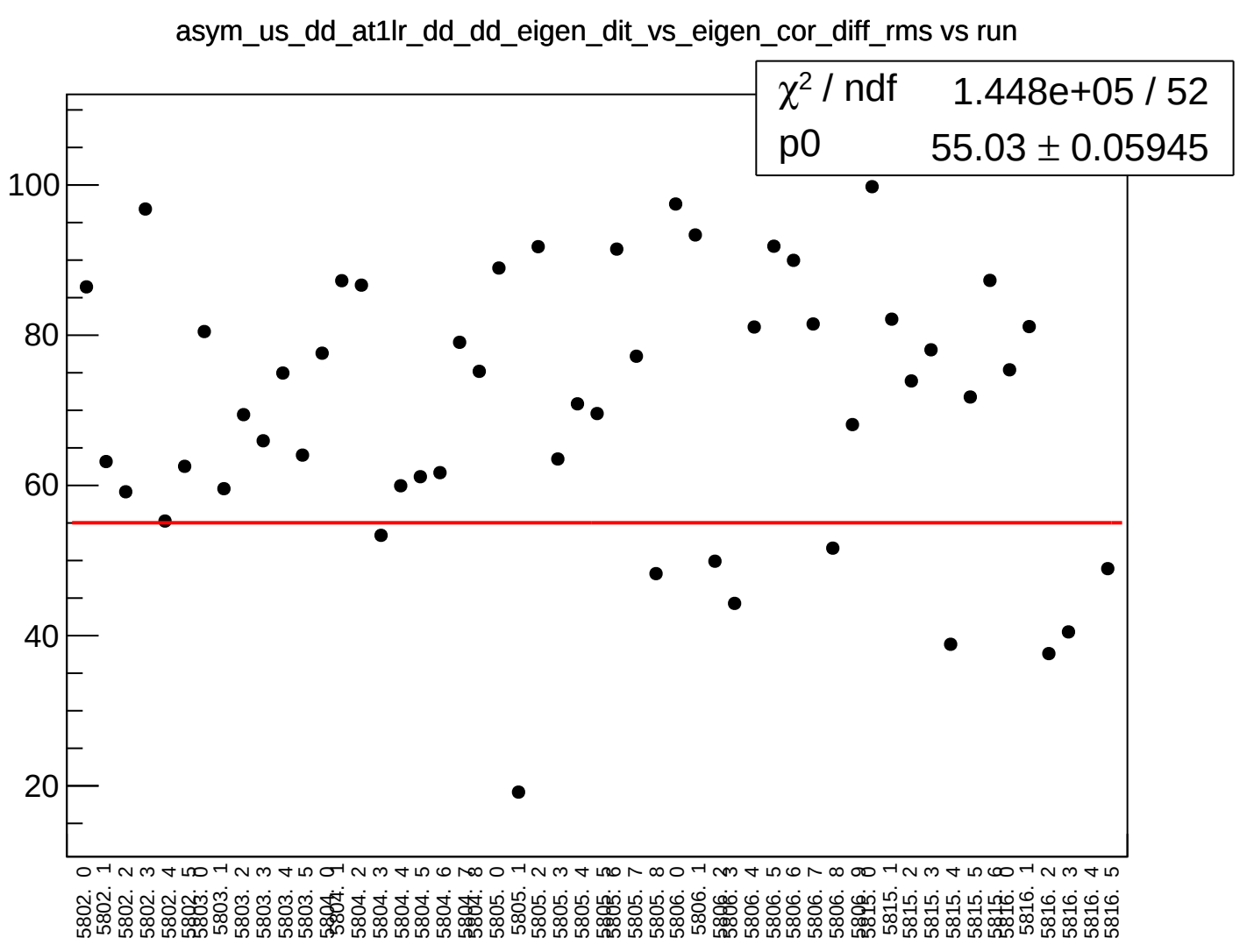

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.44 / 52
p0 0.04237 ± 0.08407
pull
Entries 53
Mean 22.68
Std Dev 0

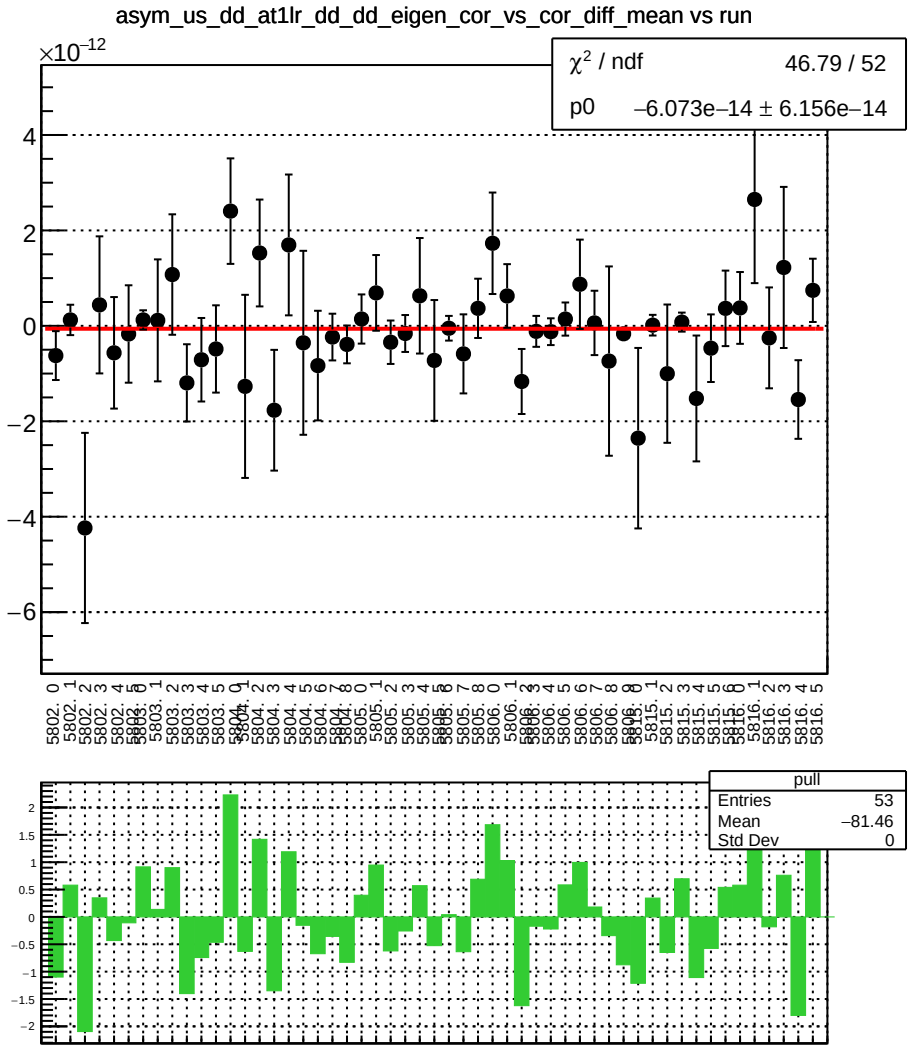

pull1D
Entries 53
Mean −0.08353
Std Dev 0.9015

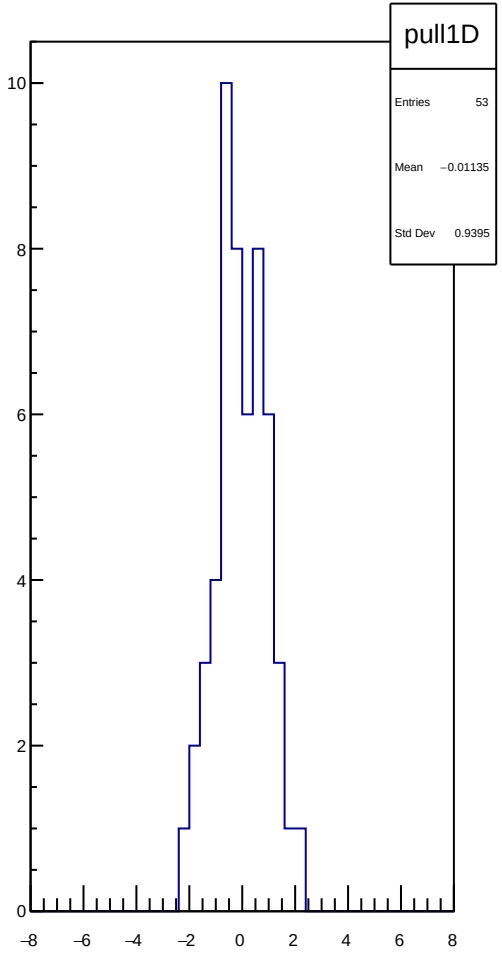

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.448e+05 / 52
p0 55.03 ± 0.05945
100
80
60
40
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

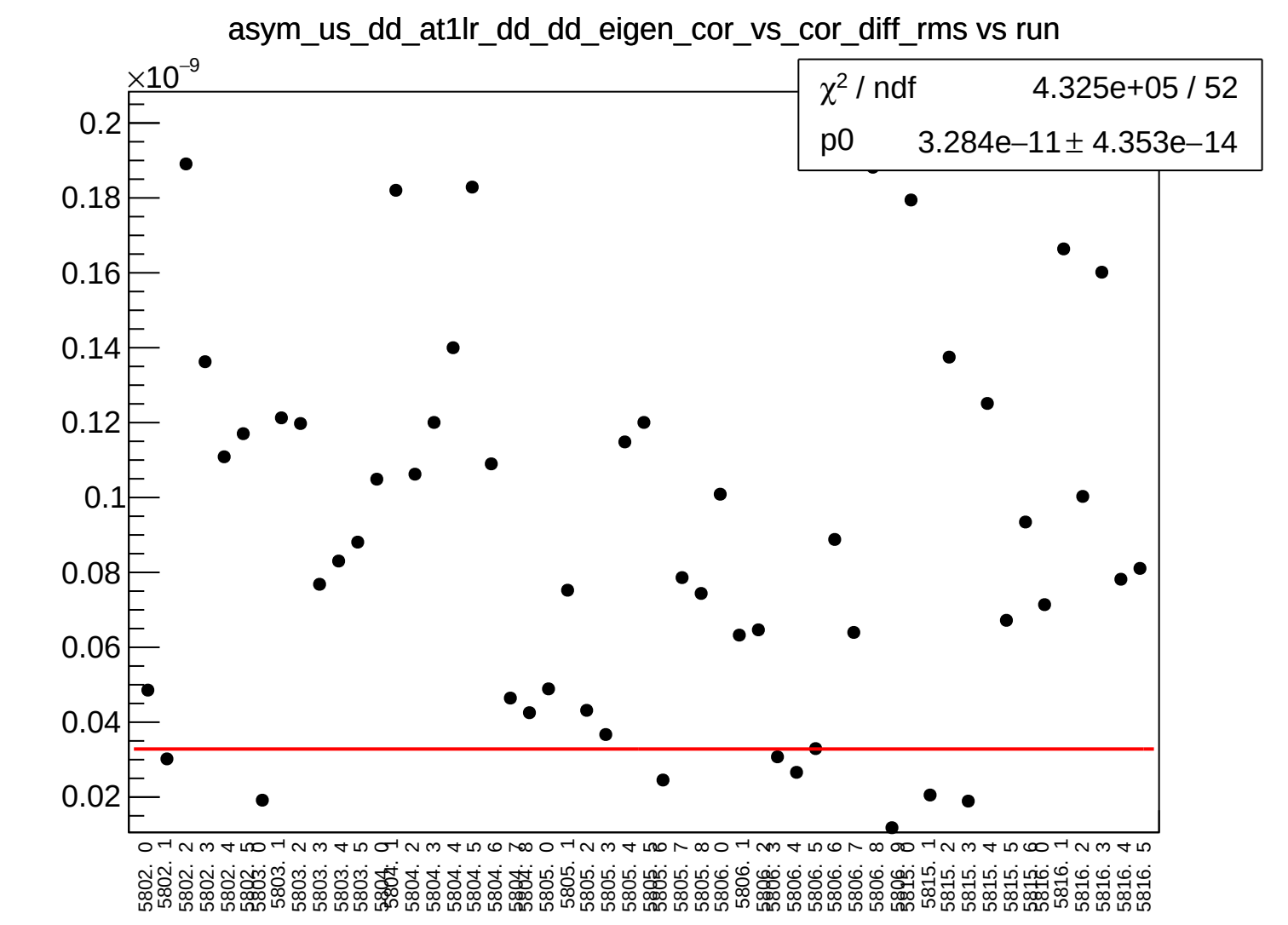

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.44 / 52
p0 0.04237 ± 0.08407
pull
Entries 53
Mean 22.68
Std Dev 0

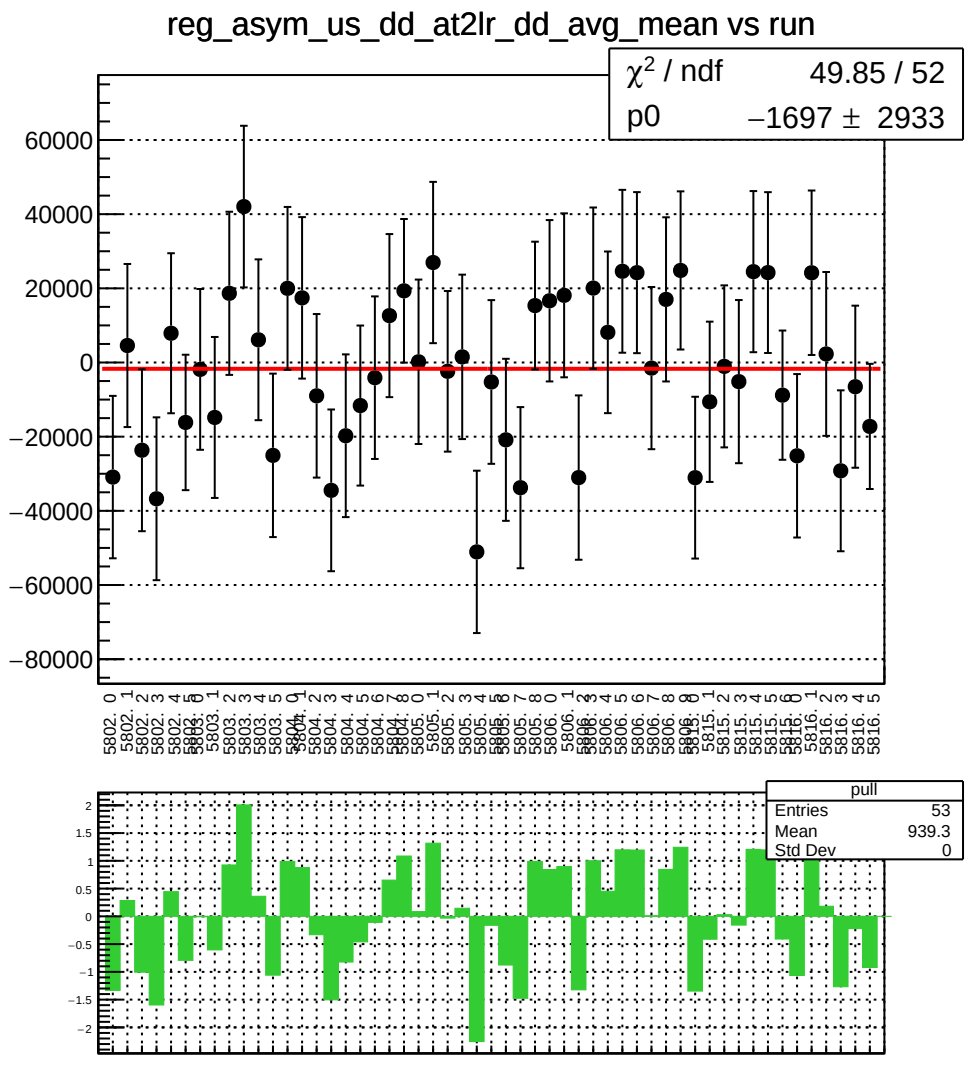

pull1D
Entries 53
Mean −0.08353
Std Dev 0.9015

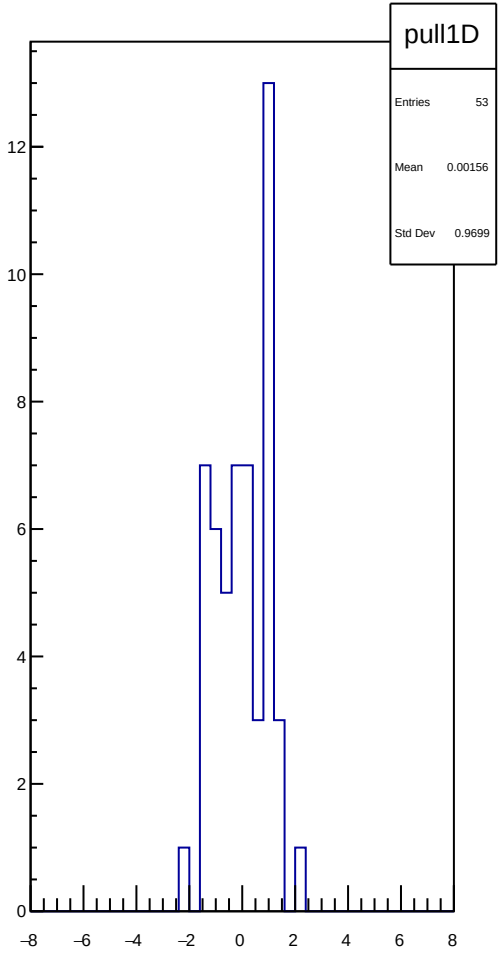

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.448e+05 / 52
p0 55.03 ± 0.05945
100
80
60
40
20

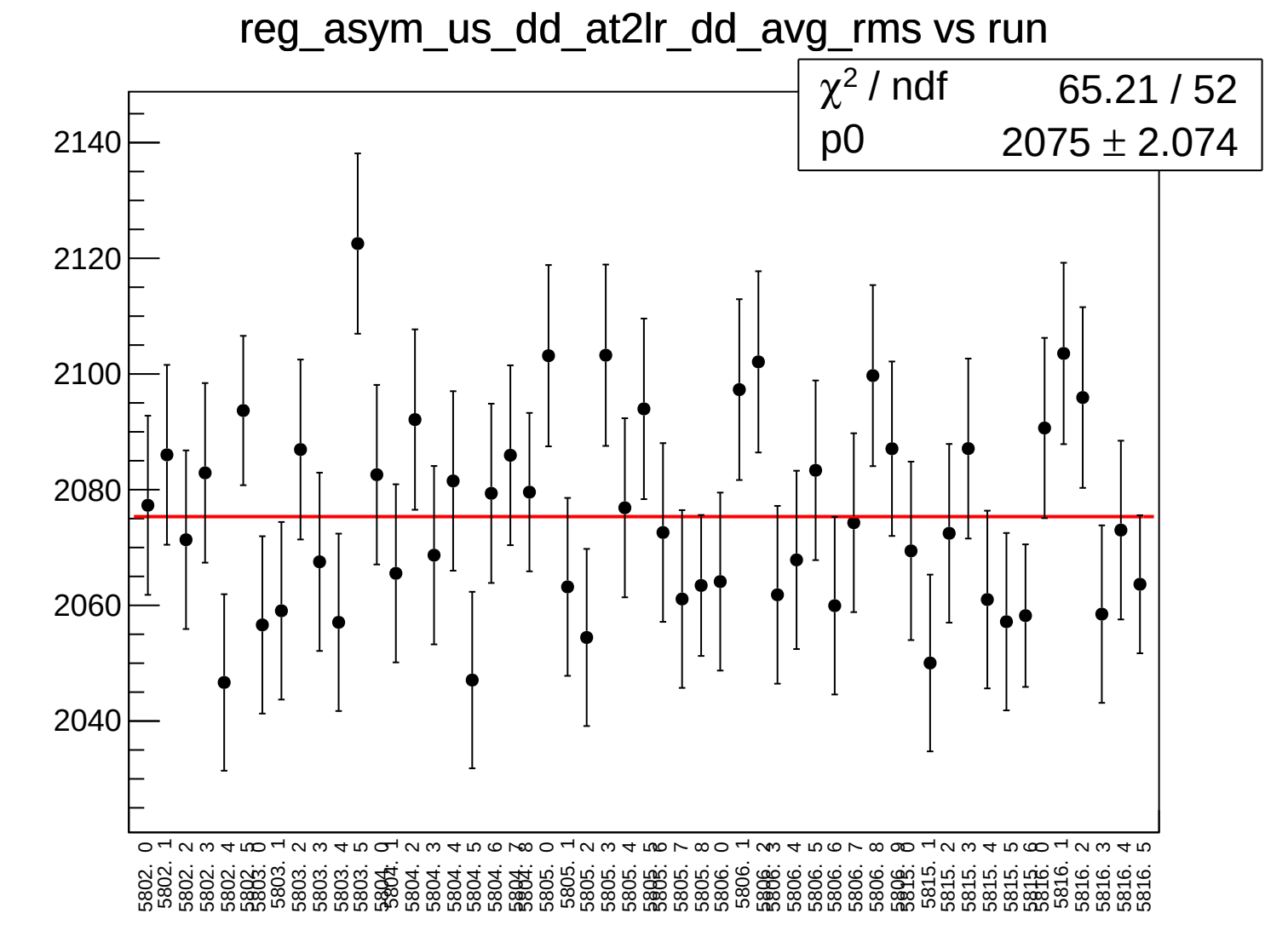

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.79 / 52
p0 −6.073e−14 ± 6.156e−14
pull
Entries 53
Mean −81.46
Std Dev 0

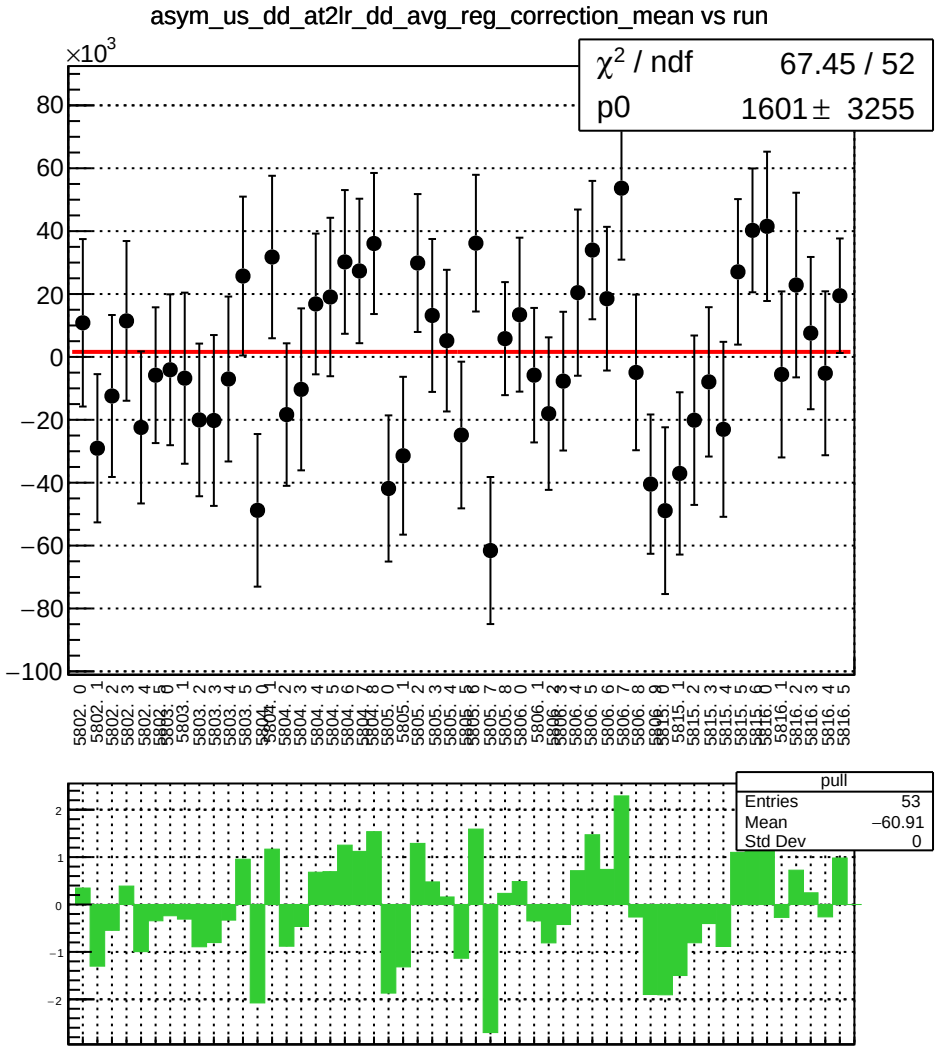

pull1D
Entries 53
Mean −0.01135
Std Dev 0.9395

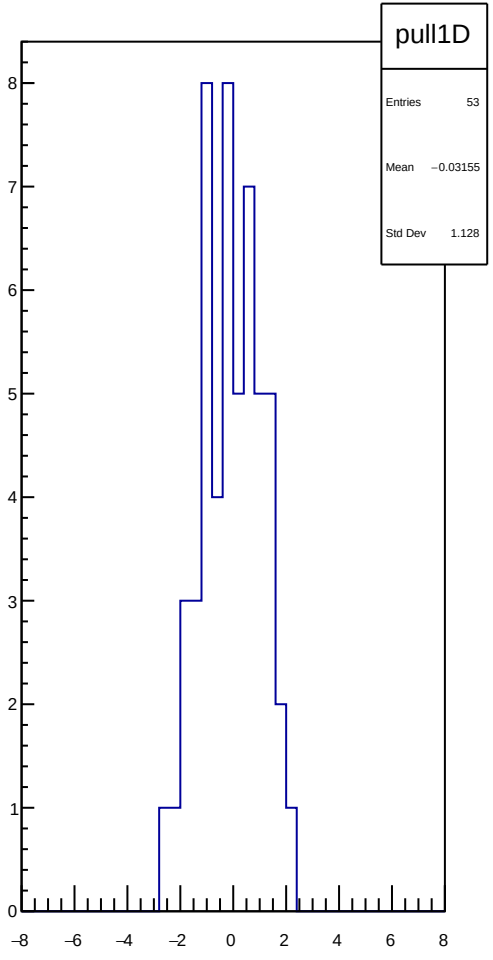

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.325e+05 / 52
p0 3.284e−11 ± 4.353e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

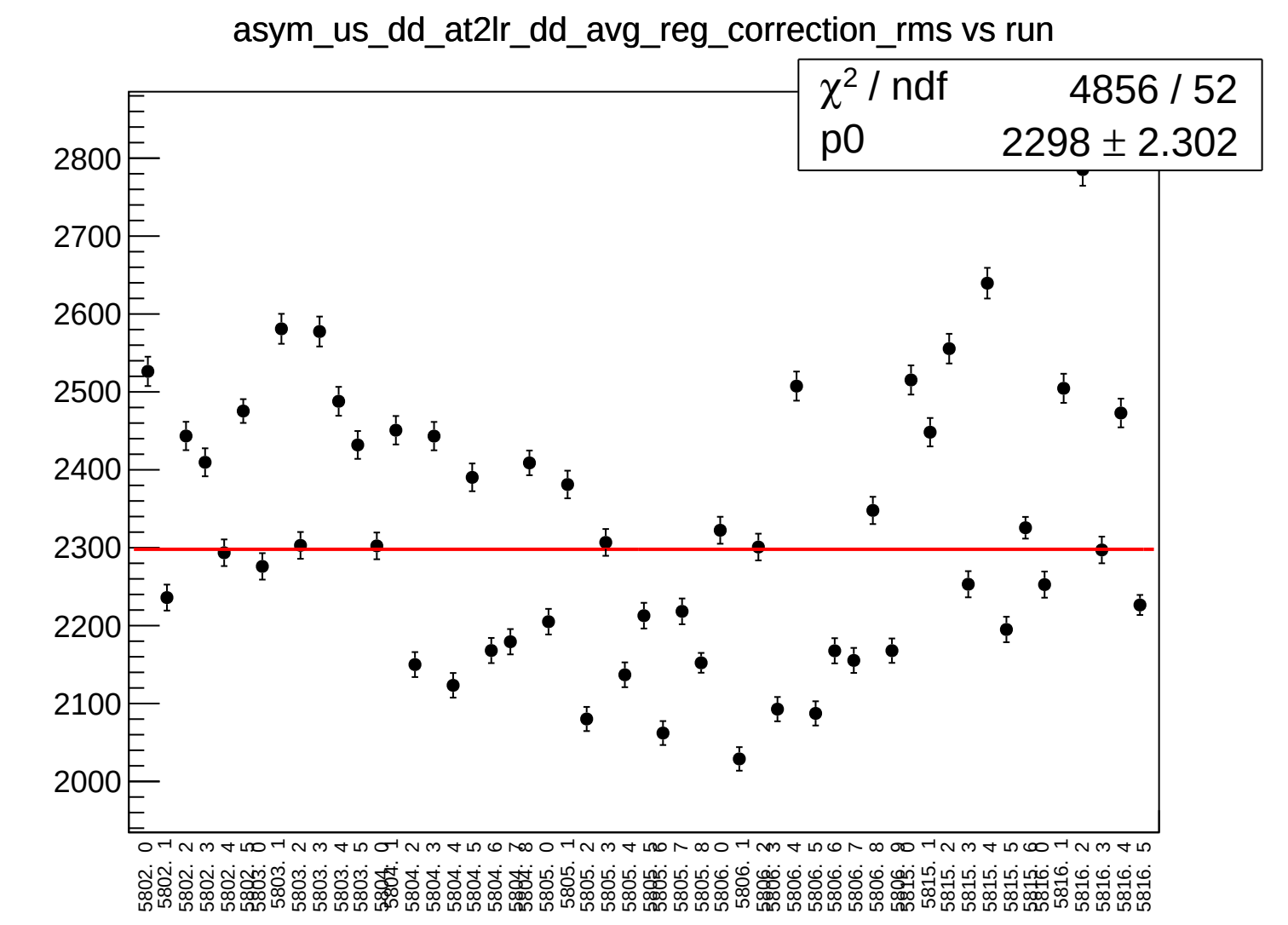

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 49.85 / 52
p0 −1697 ± 2933
pull
Entries 53
Mean 939.3
Std Dev 0

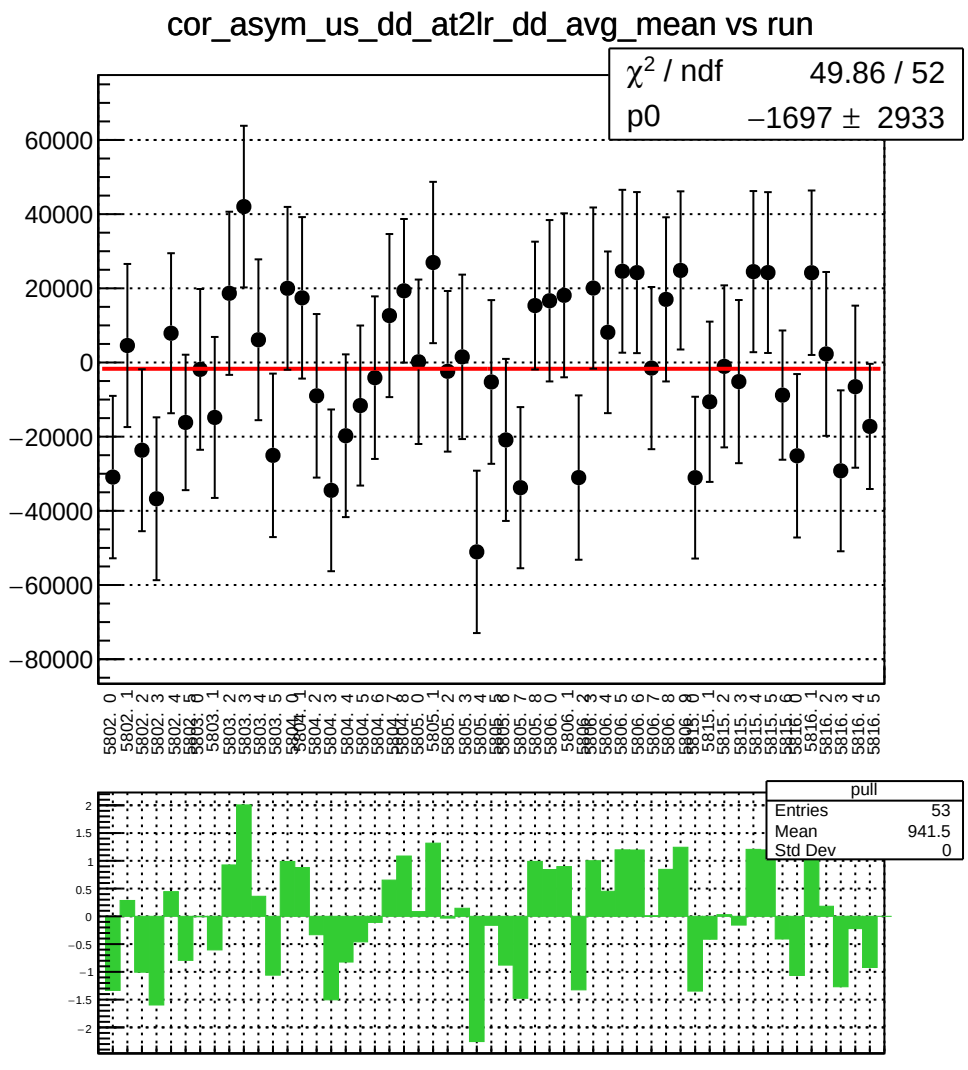

pull1D
Entries 53
Mean 0.00156
Std Dev 0.9699

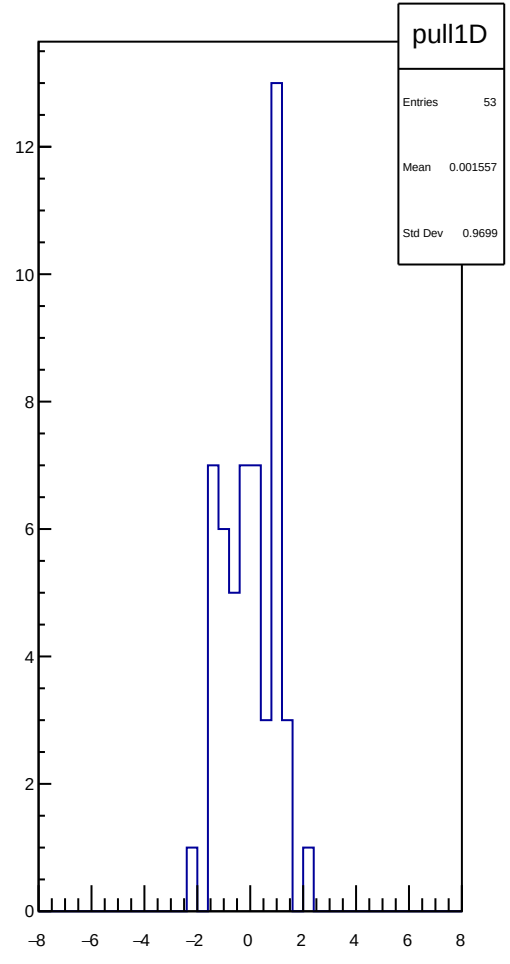

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 65.21 / 52
p0 2075 ± 2.074
2140
2120
2100
2080
2060
2040

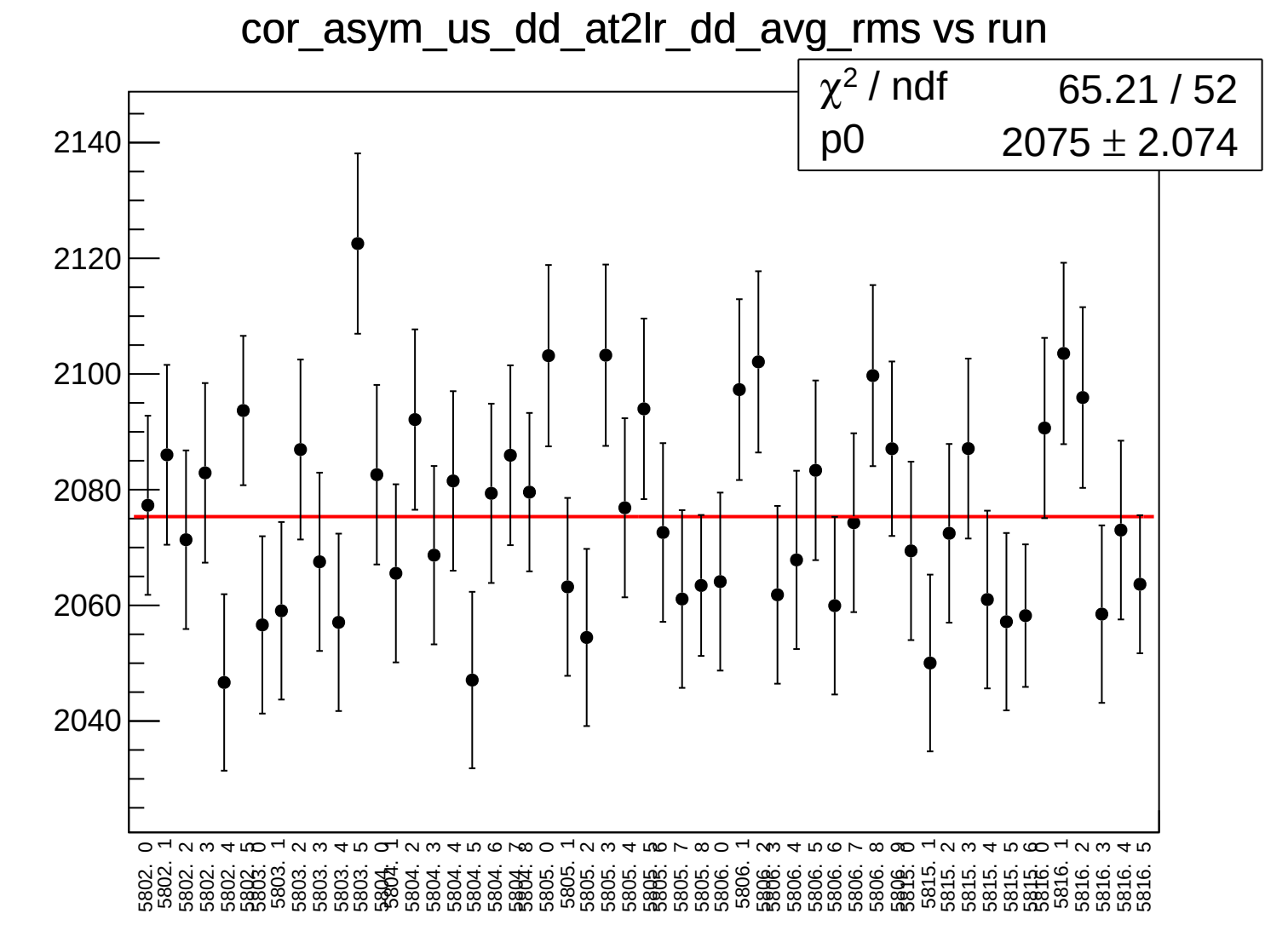

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 67.45 / 52
p0 1601 ± 3255
pull
Entries 53
Mean −60.91
Std Dev 0

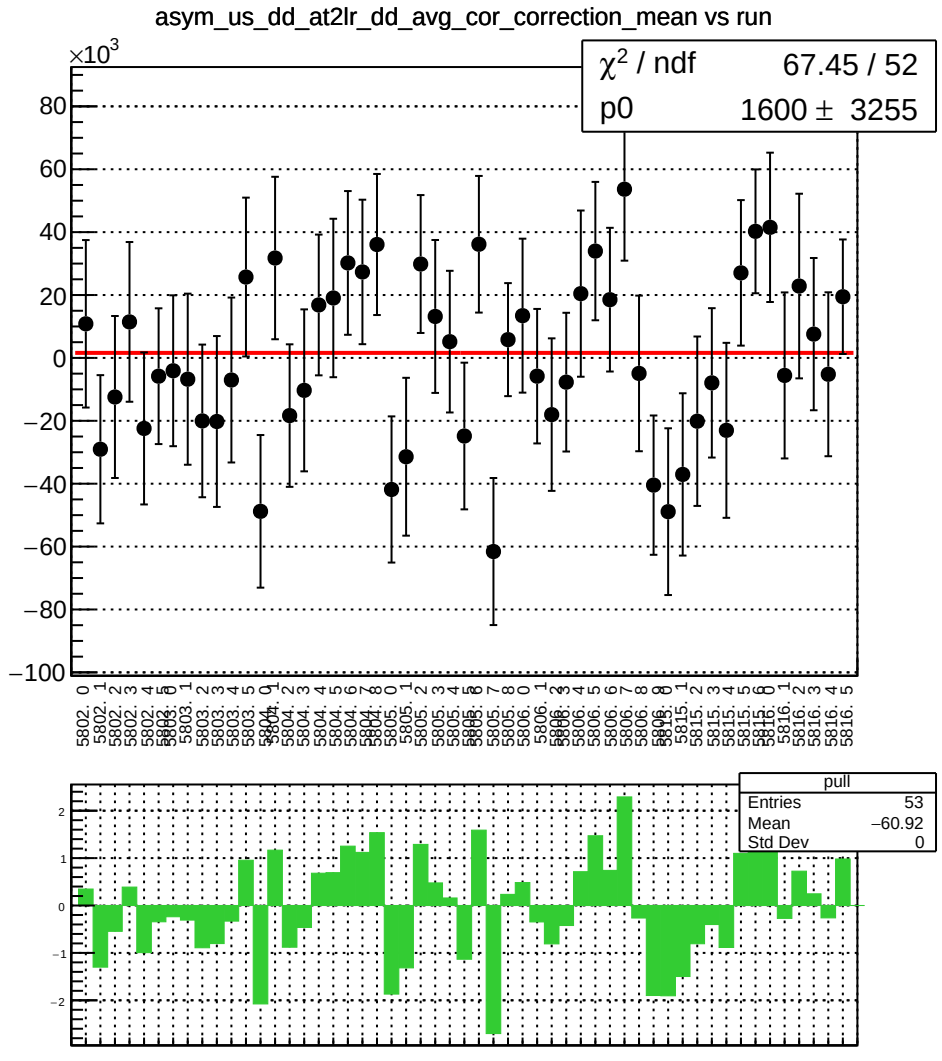

pull1D
Entries 53
Mean −0.03155
Std Dev 1.128

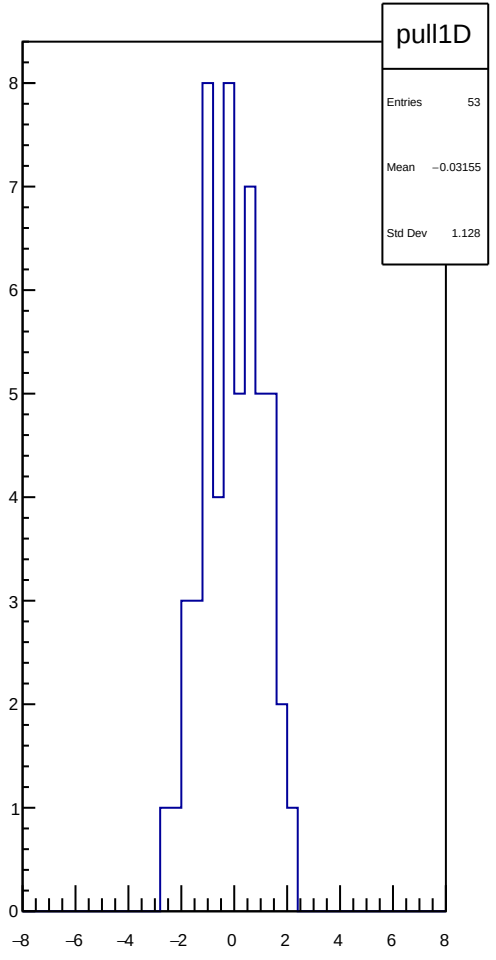

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4856 / 52
p0 2298 ± 2.302
2800
2700
2600
2500
2400
2300
2200
2100
2000

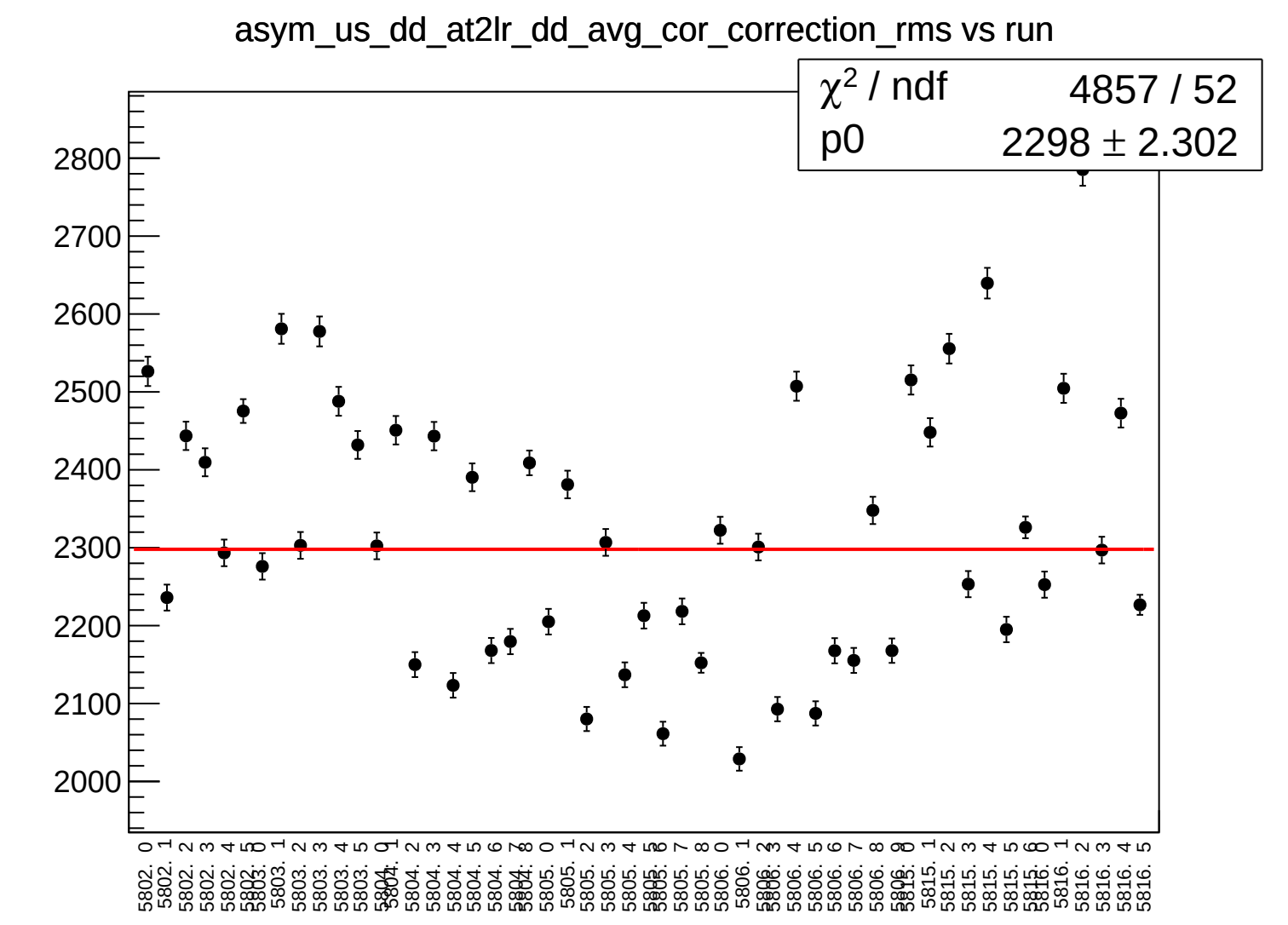

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 49.86 / 52
p0 −1697 ± 2933
pull
Entries 53
Mean 941.5
Std Dev 0

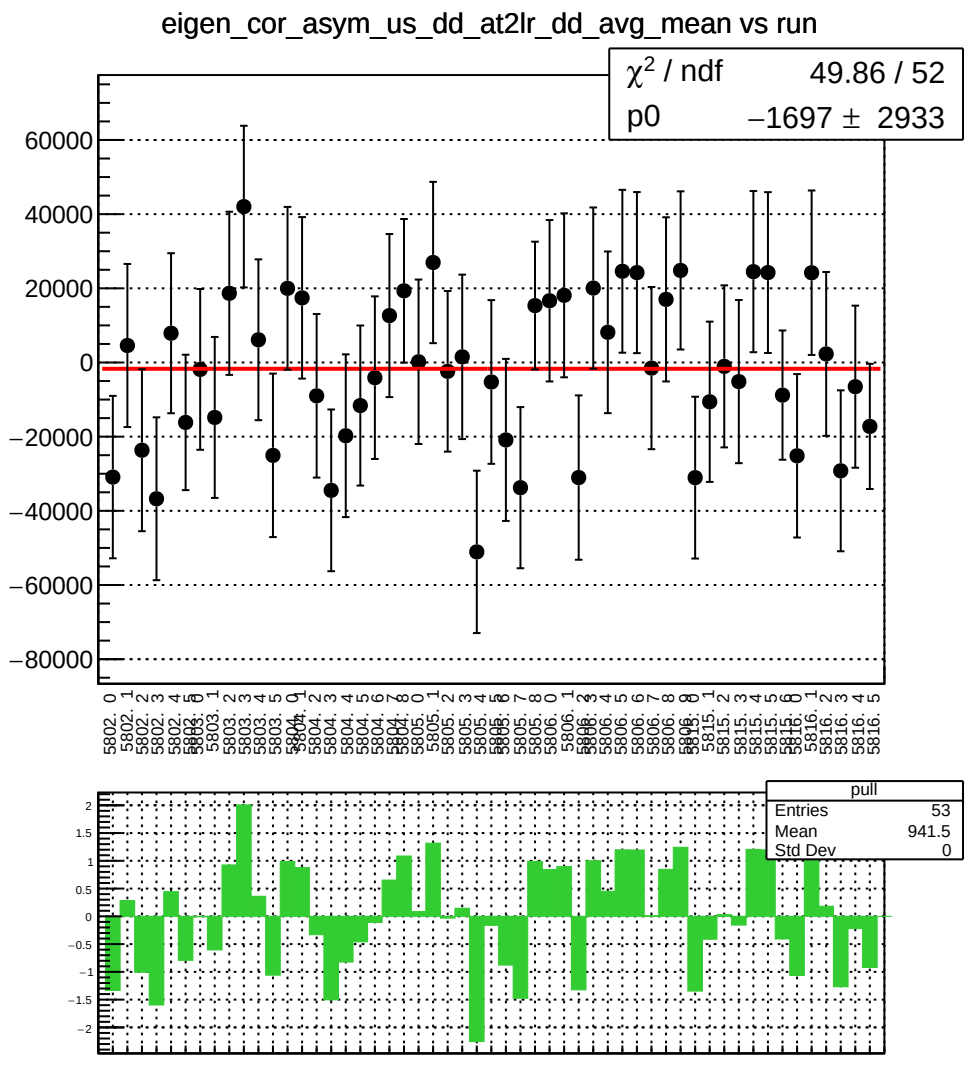

pull1D
Entries 53
Mean 0.001557
Std Dev 0.9699

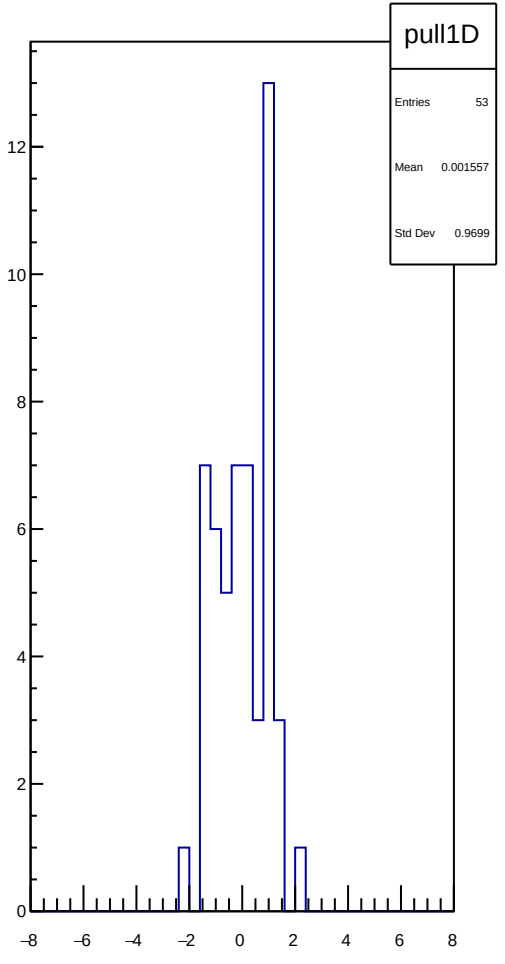

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 65.21 / 52
p0 2075 ± 2.074
2140
2120
2100
2080
2060
2040
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

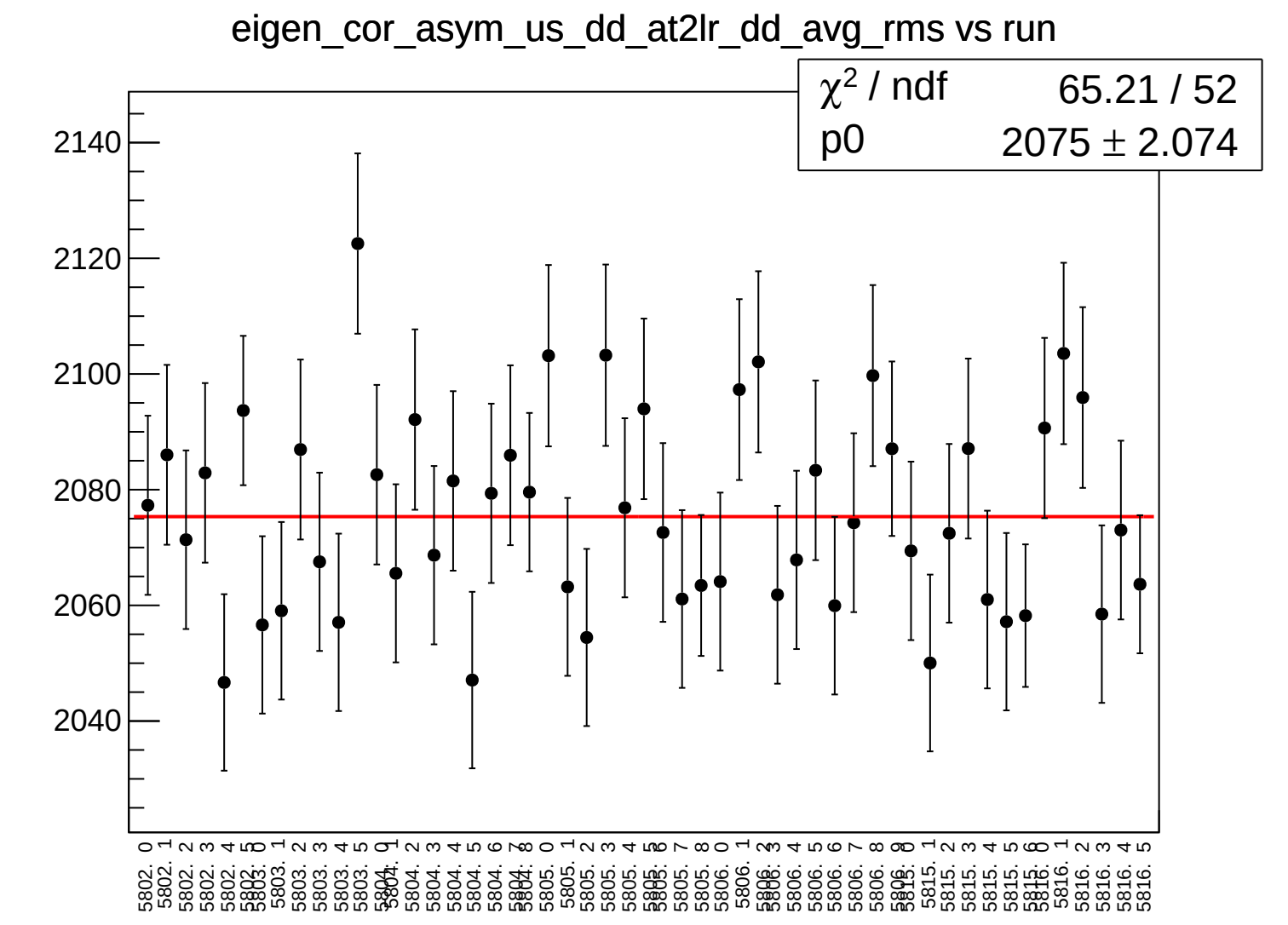

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 67.45 / 52
p0 1600 ± 3255
pull
Entries 53
Mean −60.92
Std Dev 0

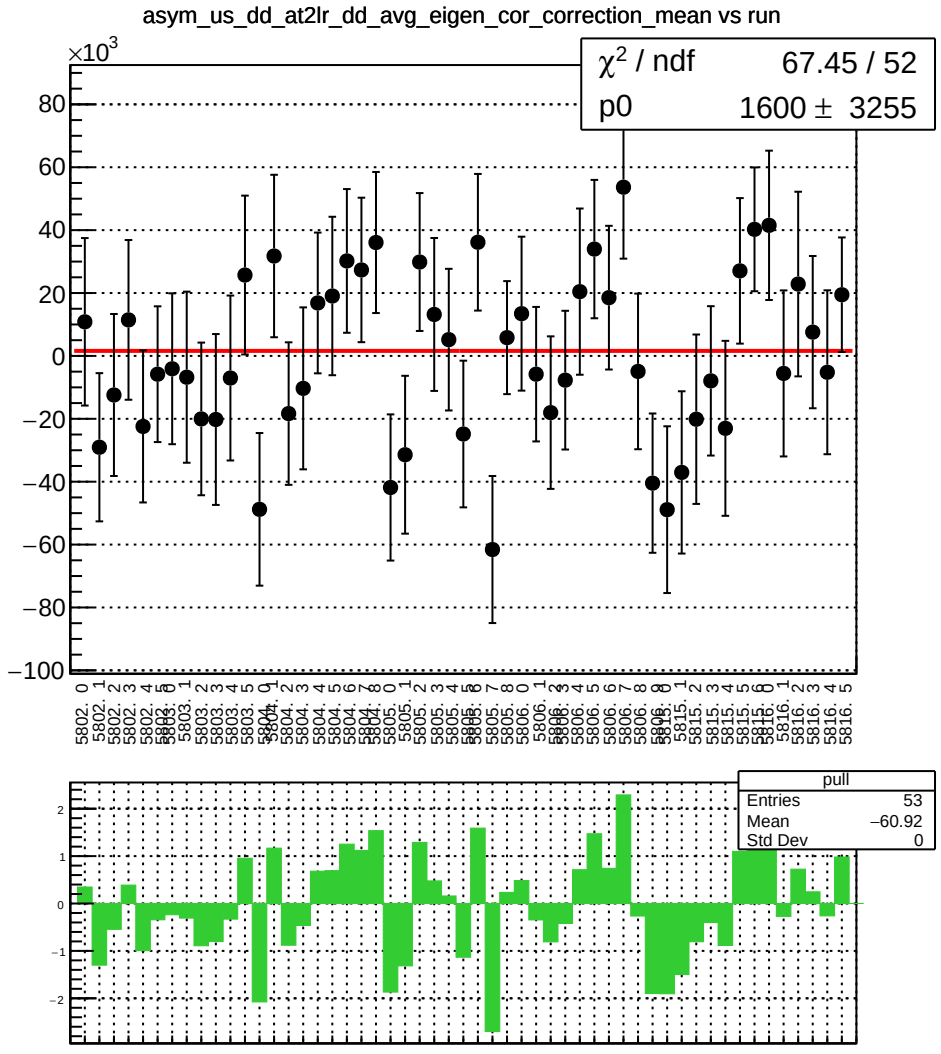

pull1D
Entries 53
Mean −0.03155
Std Dev 1.128

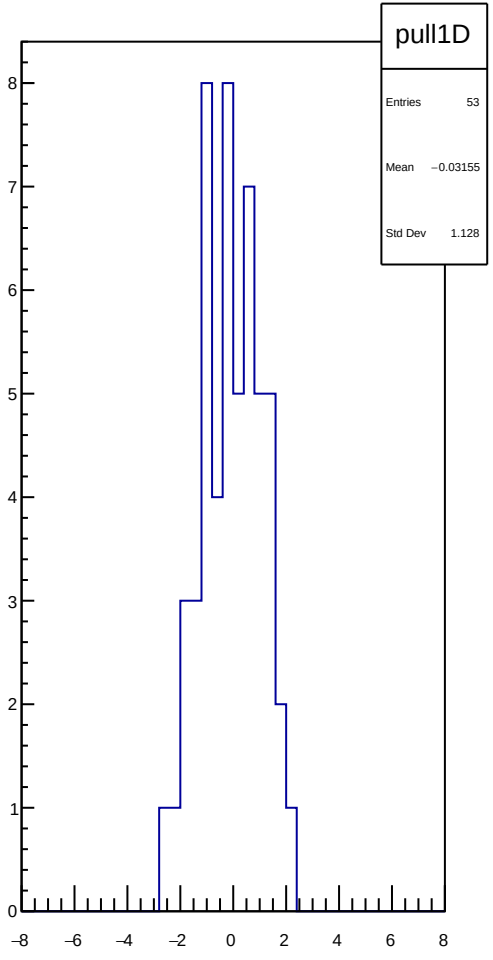

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4857 / 52
p0 2298 ± 2.302
2800
2700
2600
2500
2400
2300
2200
2100
2000

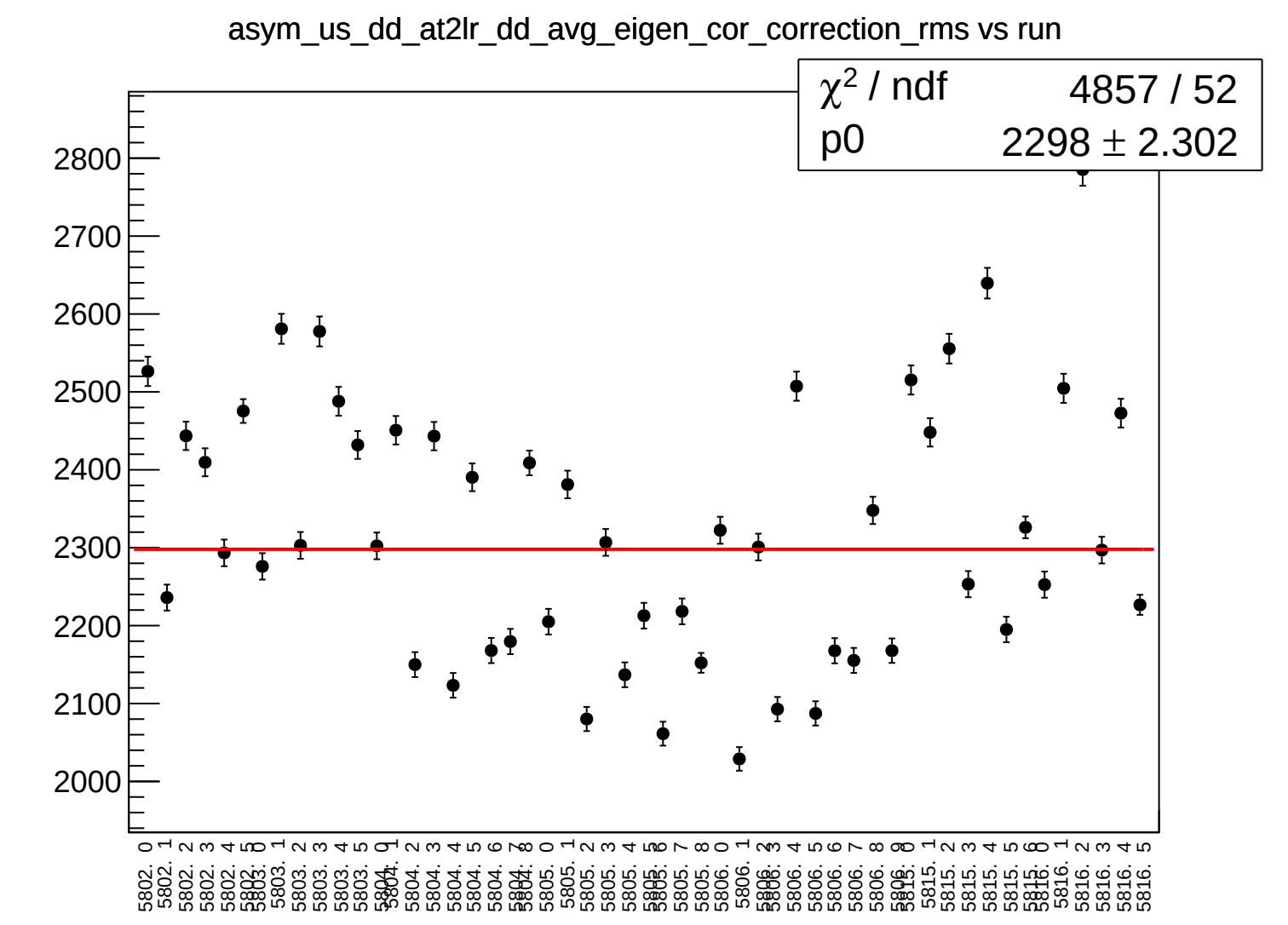

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 49.86 / 52
p0 −1697 ± 2933
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean 941.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.001557
Std Dev 0.9699
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 65.21 / 52
p0 2075 ± 2.074
2140
2120
2100
2080
2060
2040
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.45 / 52
p0 1600 ± 3255
pull
Entries 53
Mean −60.92
Std Dev 0


pull1D
Entries 53
Mean −0.03155
Std Dev 1.128


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4857 / 52
p0 2298 ± 2.302
2800
2700
2600
2500
2400
2300
2200
2100
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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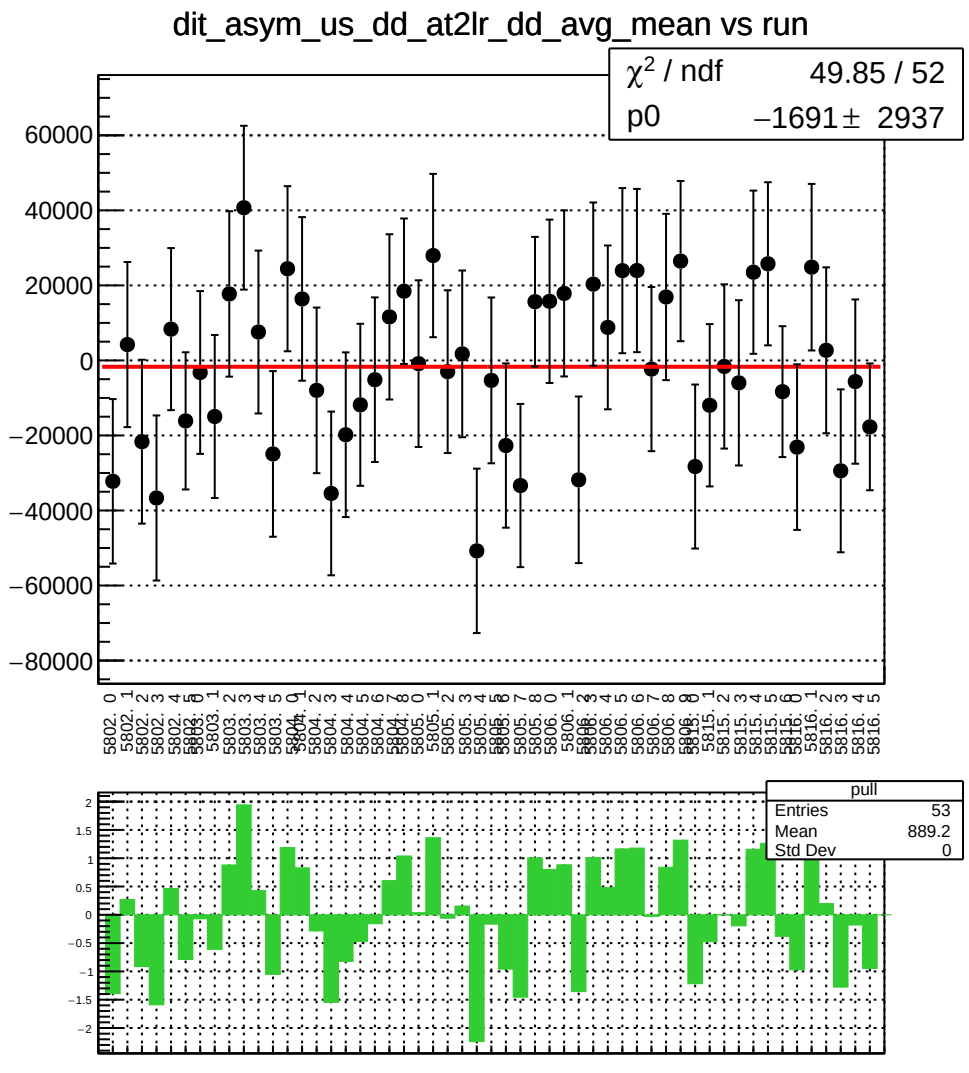
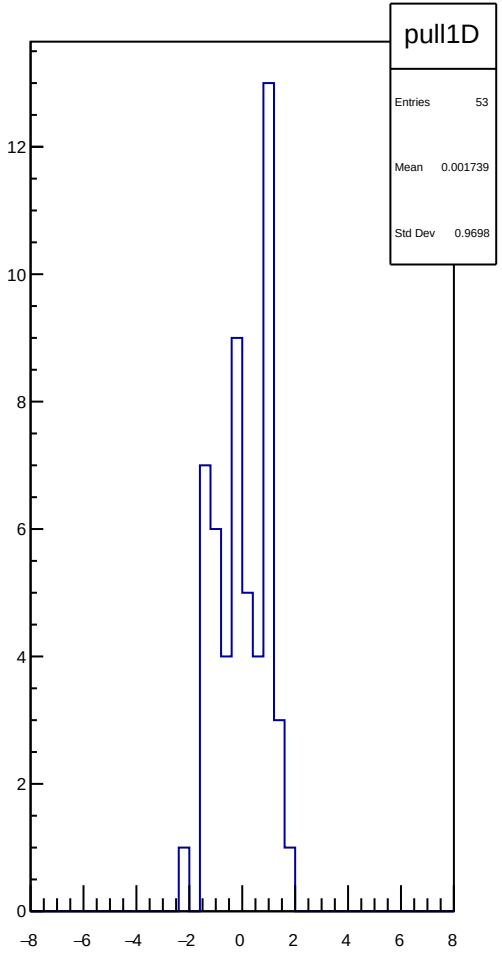
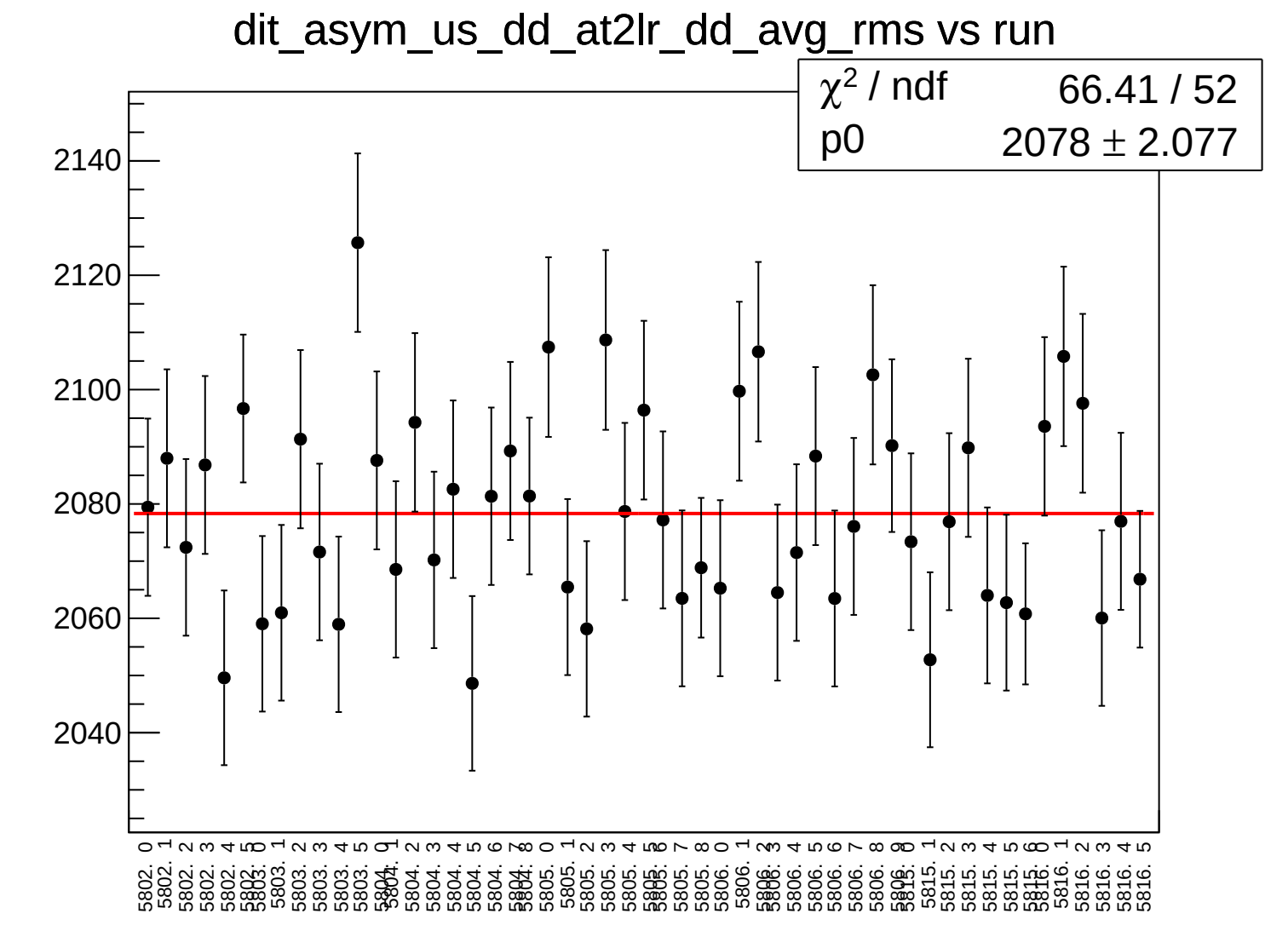
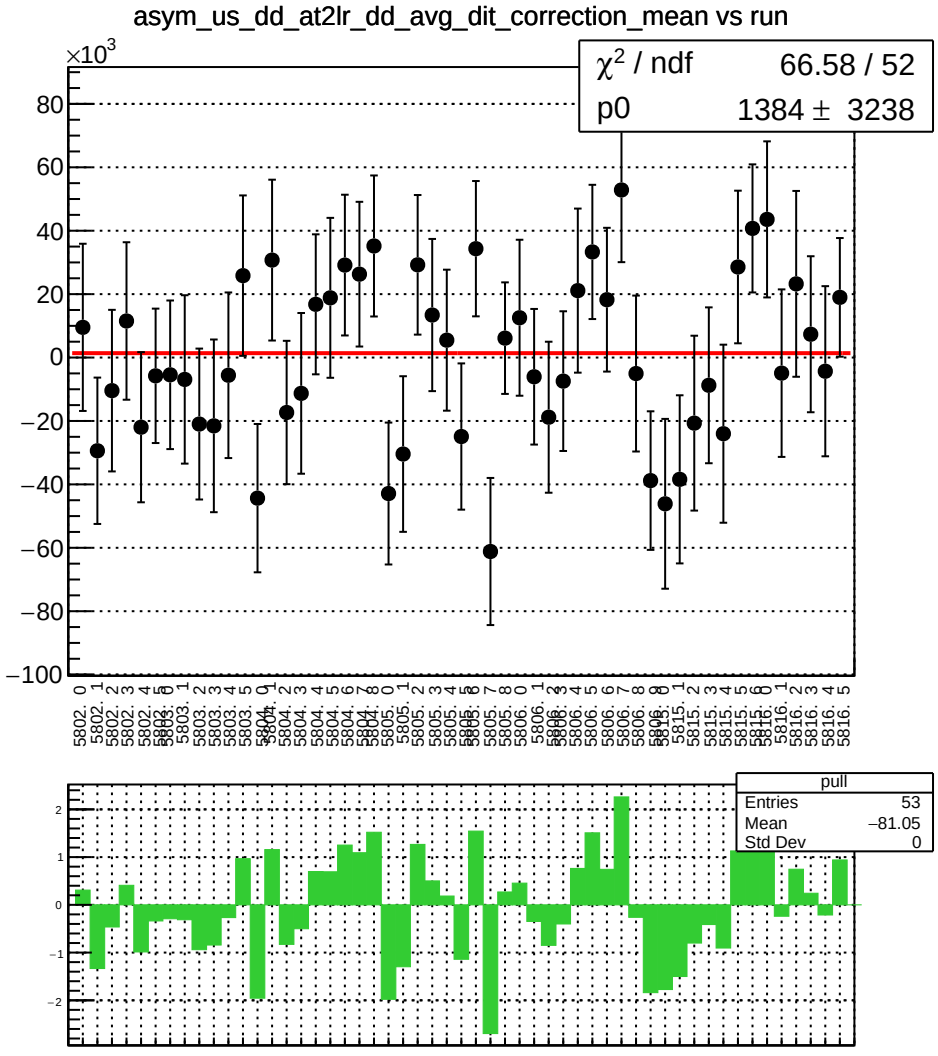
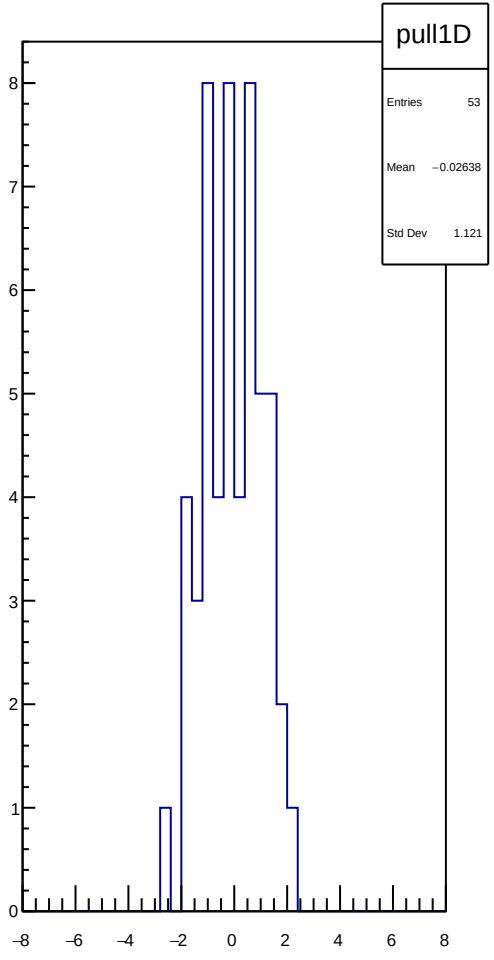
5816. 4
5816. 5

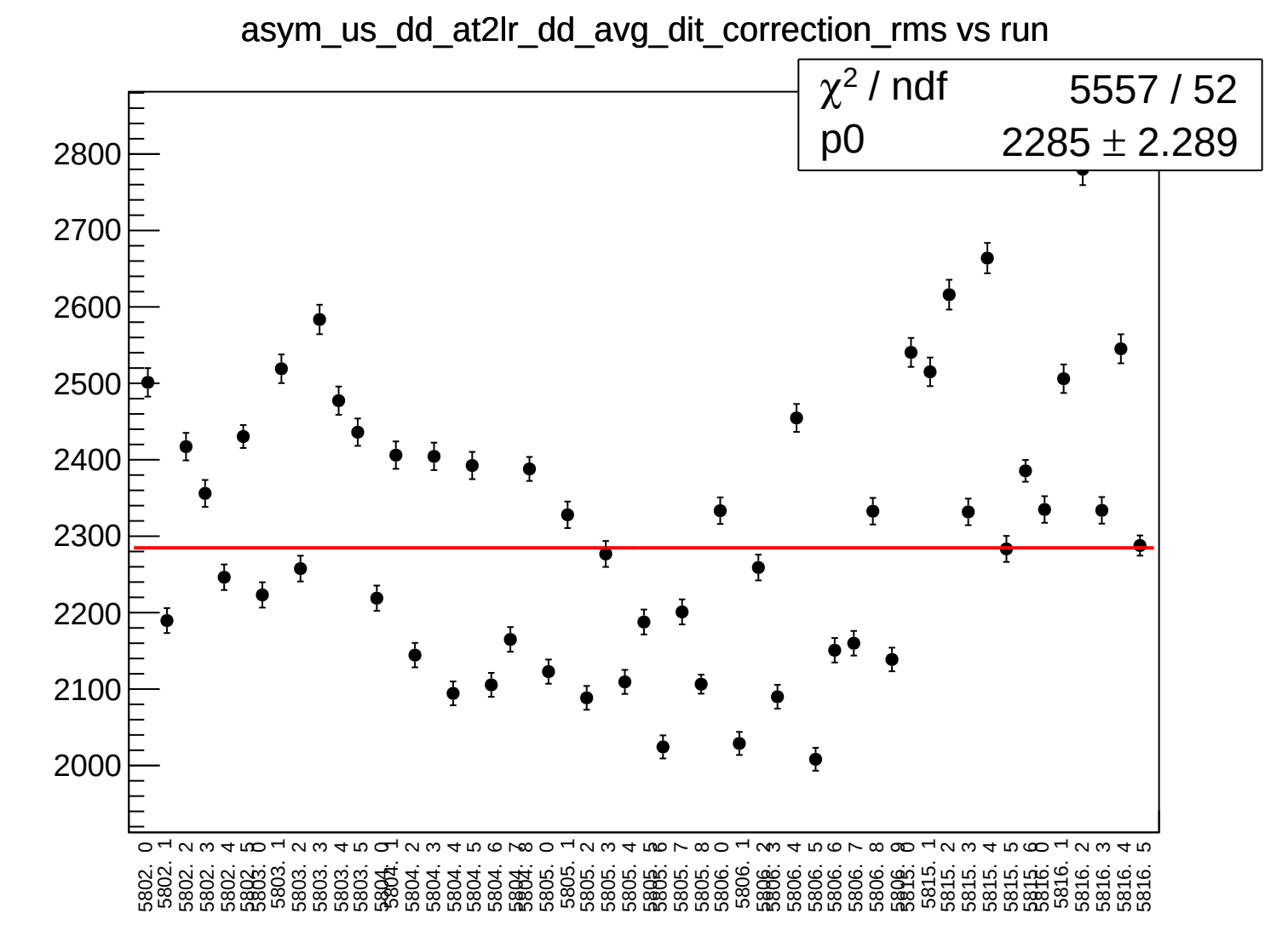

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 49.85 / 52
p0 −1691 ± 2937
pull
Entries 53
Mean 889.2
Std Dev 0

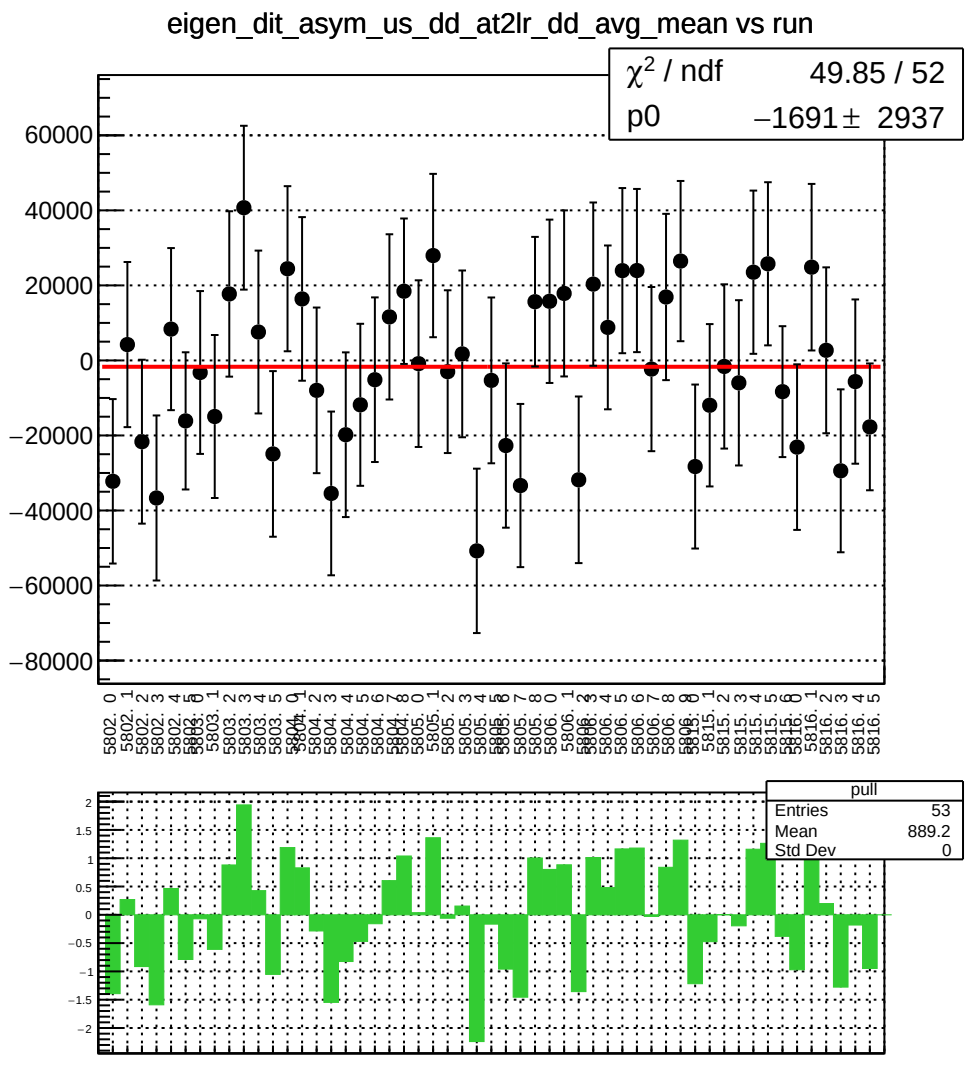

pull1D
Entries 53
Mean 0.001739
Std Dev 0.9698

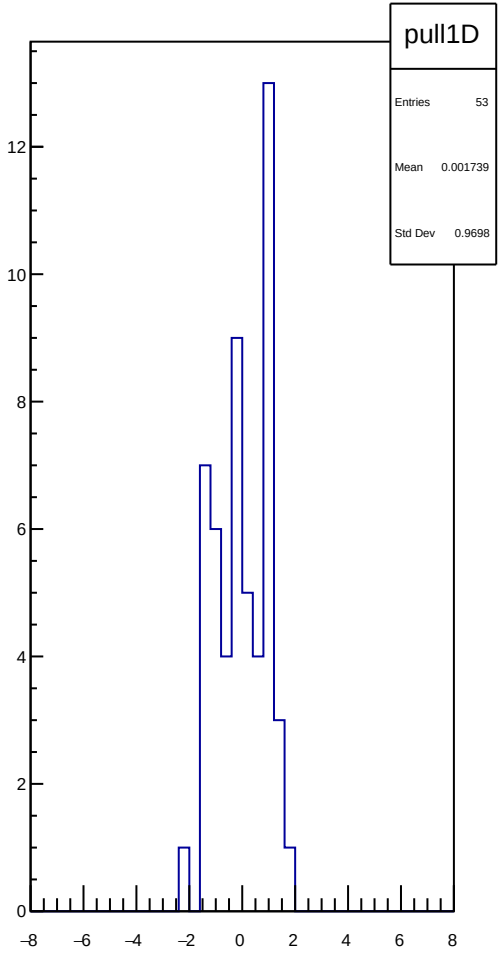

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 66.41 / 52
p0 2078 ± 2.077
2140
2120
2100
2080
2060
2040

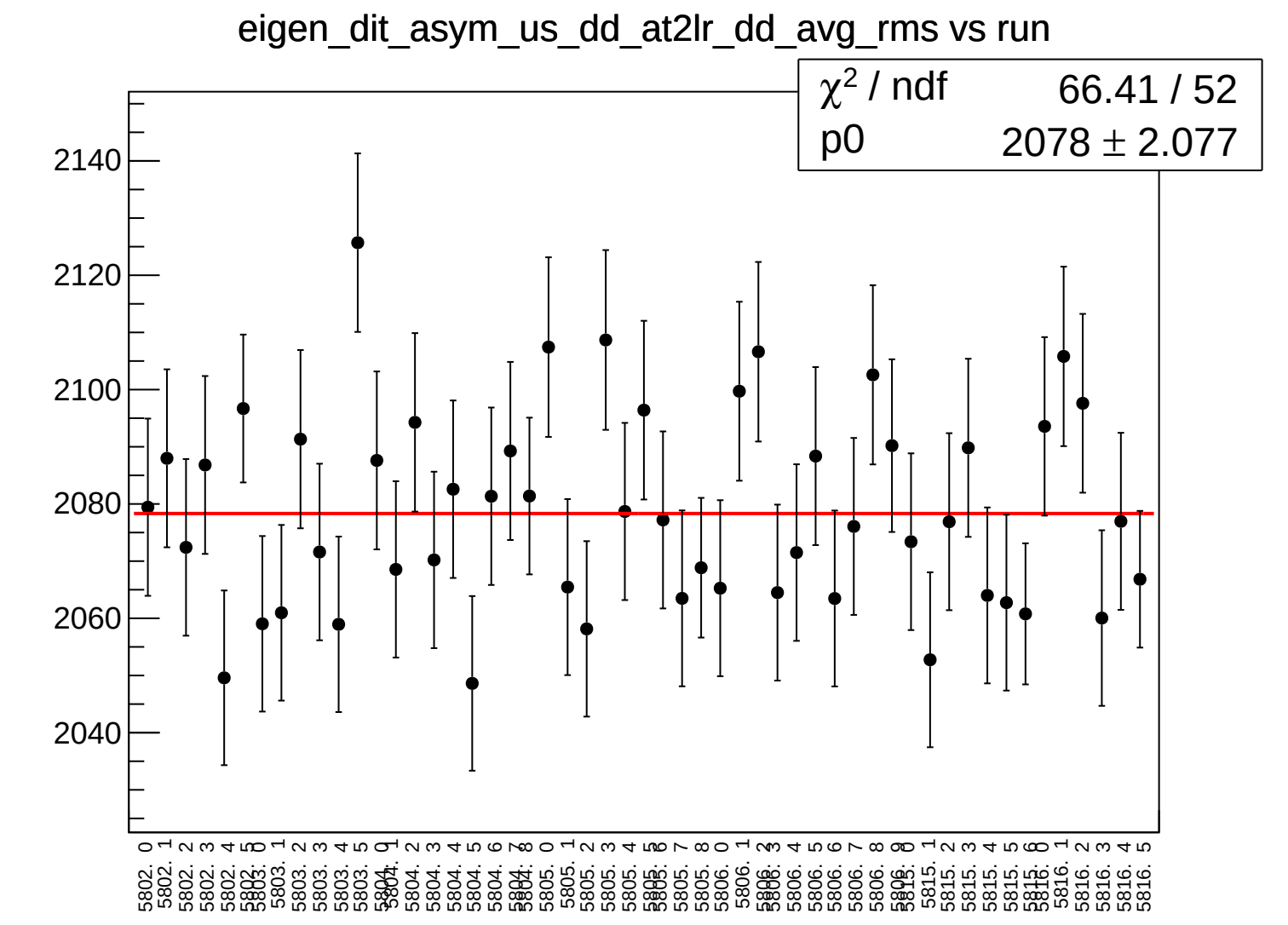

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 66.58 / 52
p0 1384 ± 3238
pull
Entries 53
Mean −81.05
Std Dev 0

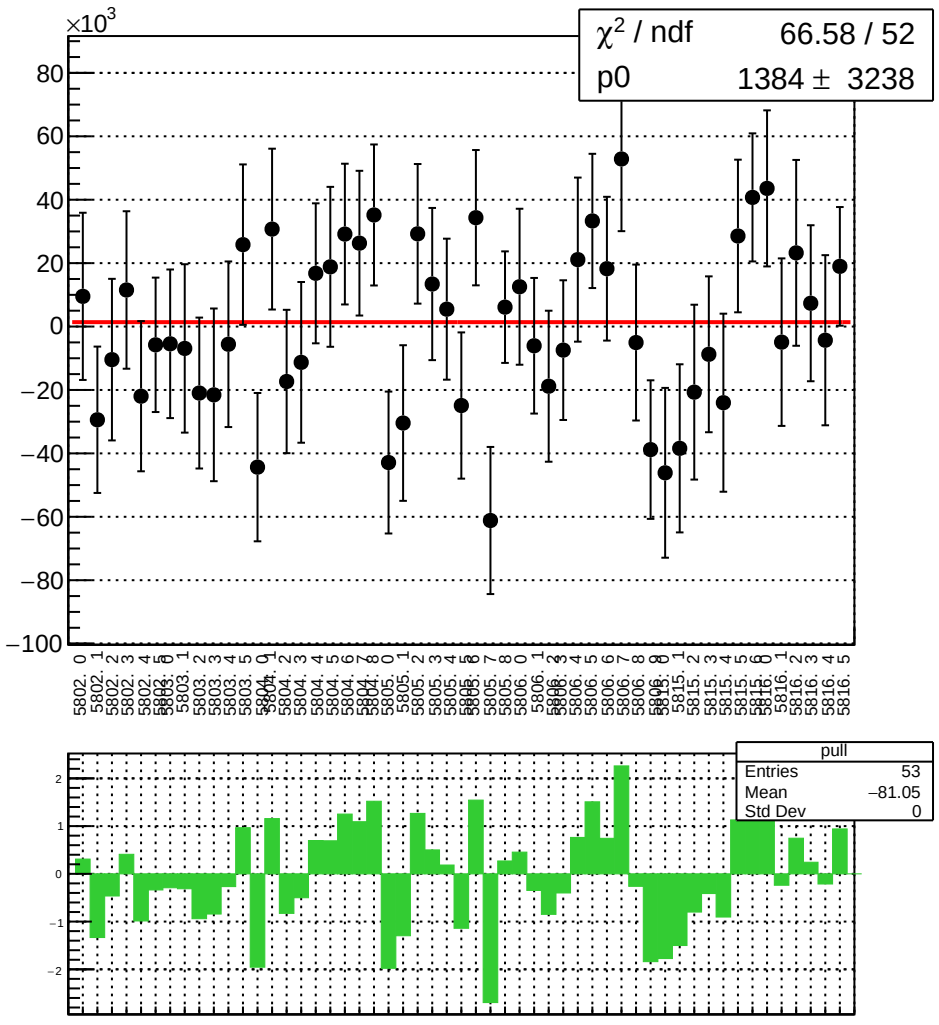

pull1D
Entries 53
Mean −0.02638
Std Dev 1.121

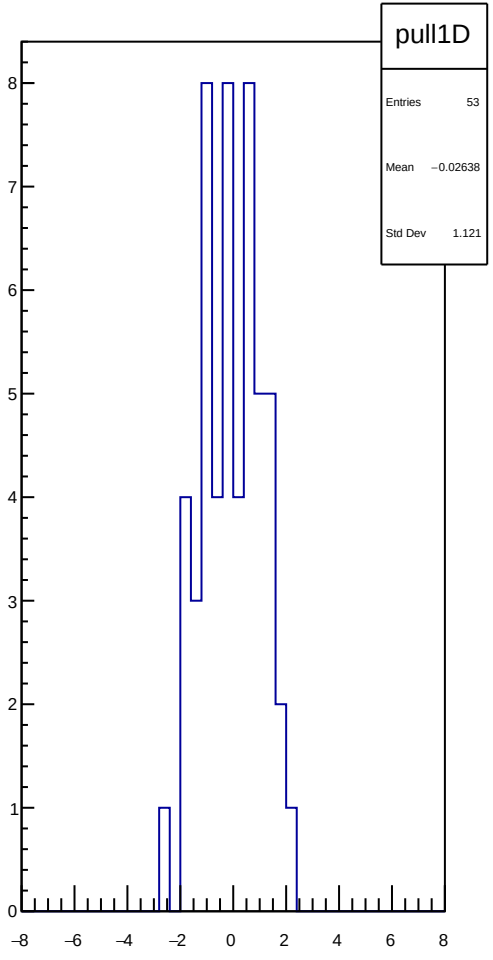

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 5557 / 52
p0 2285 ± 2.289
2800
2700
2600
2500
2400
2300
2200
2100
2000

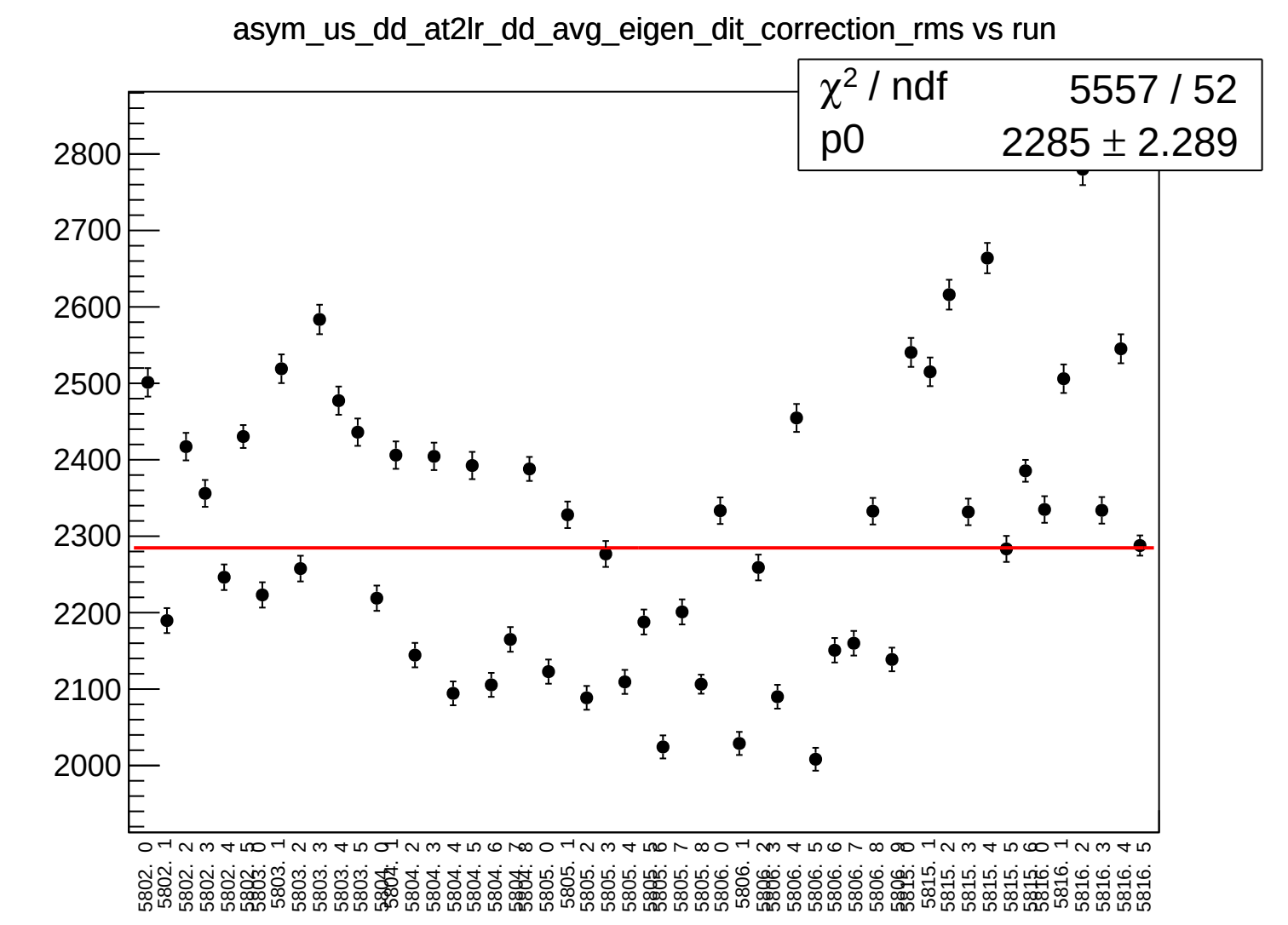

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 49.85 / 52
p0 −1691 ± 2937
pull
Entries 53
Mean 889.2
Std Dev 0

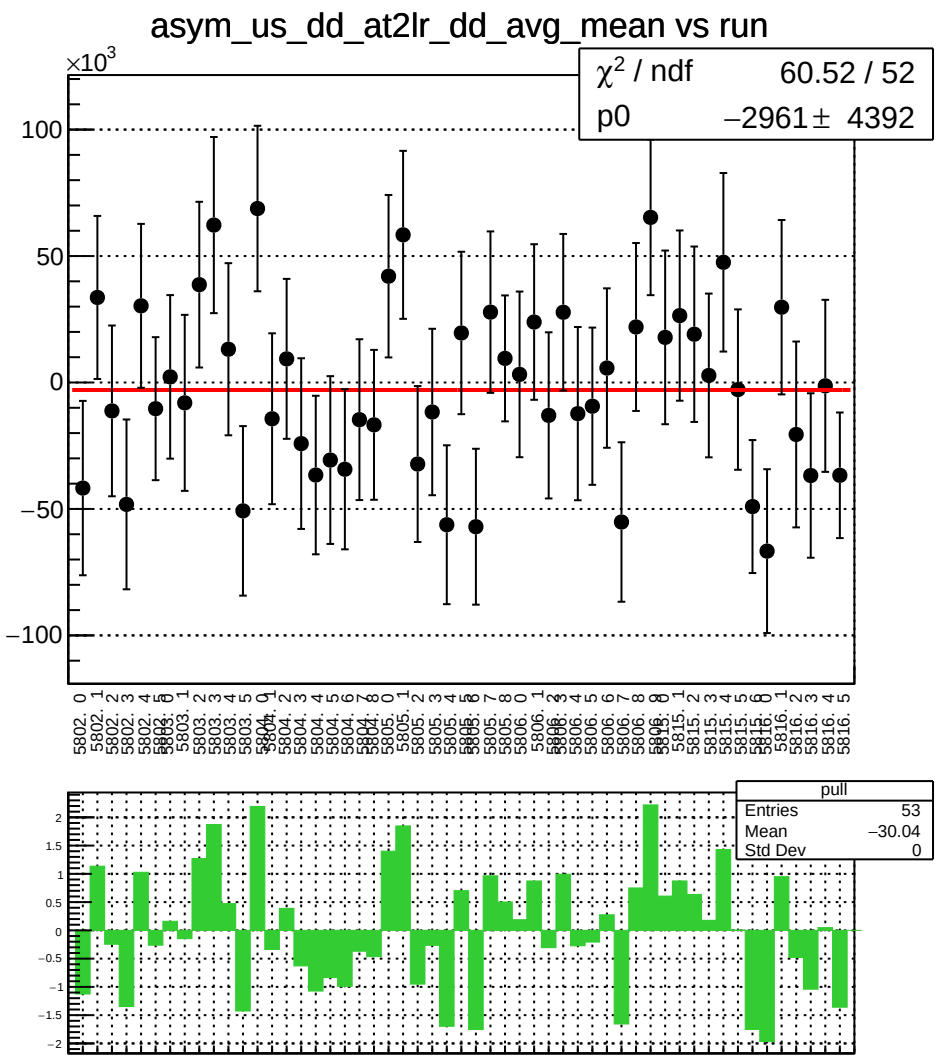

pull1D
Entries 53
Mean 0.001739
Std Dev 0.9698

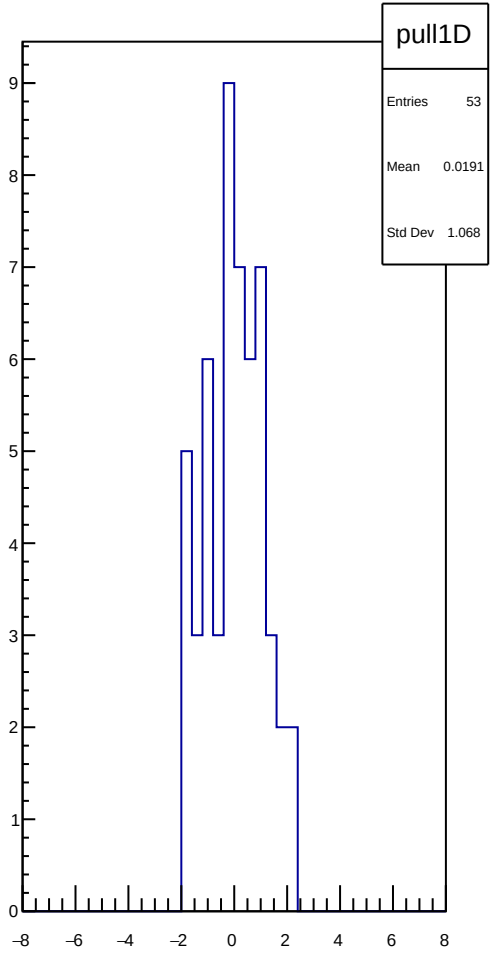

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 66.41 / 52
p0 2078 ± 2.077
2140
2120
2100
2080
2060
2040

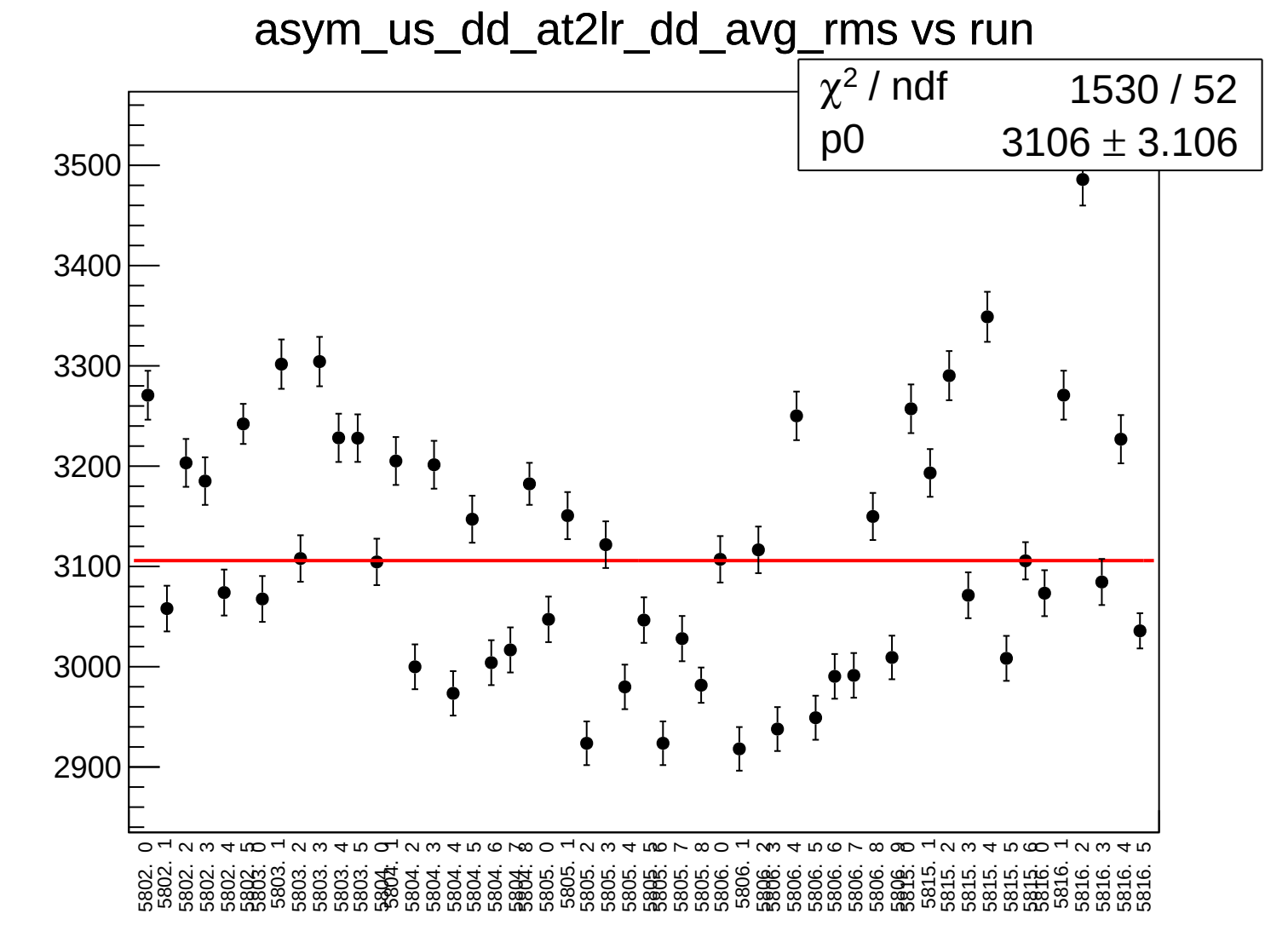

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 66.58 / 52
p0 1384 ± 3238
pull
Entries 53
Mean −81.05
Std Dev 0


pull1D
Entries 53
Mean −0.02638
Std Dev 1.121


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5557 / 52
p0 2285 ± 2.289
2800
2700
2600
2500
2400
2300
2200
2100
2000


asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 60.52 / 52
p0 −2961 ± 4392
pull
Entries 53
Mean −30.04
Std Dev 0


pull1D
Entries 53
Mean 0.0191
Std Dev 1.068


asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1530 / 52
p0 3106 ± 3.106
3500
3400
3300
3200
3100
3000
2900
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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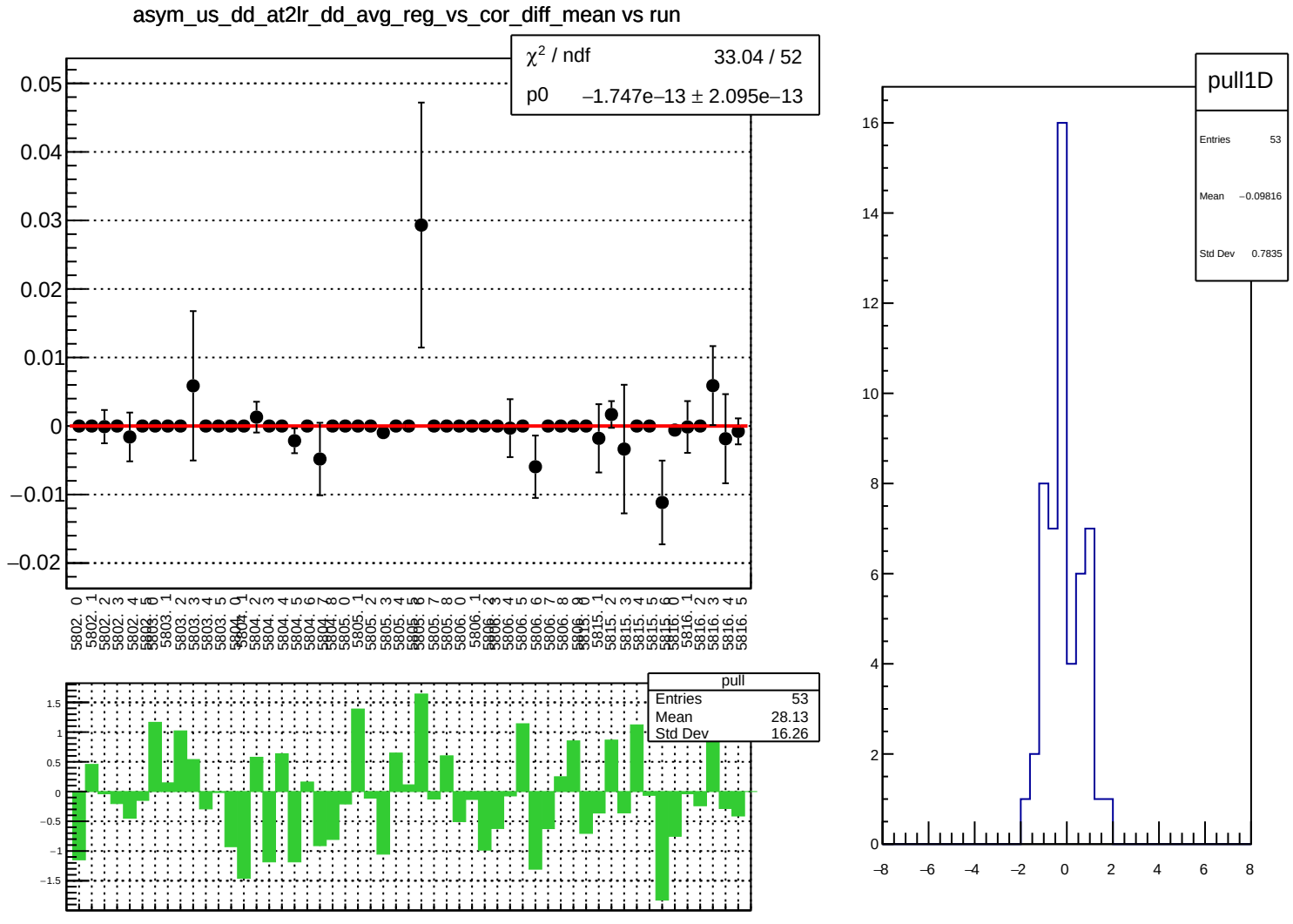
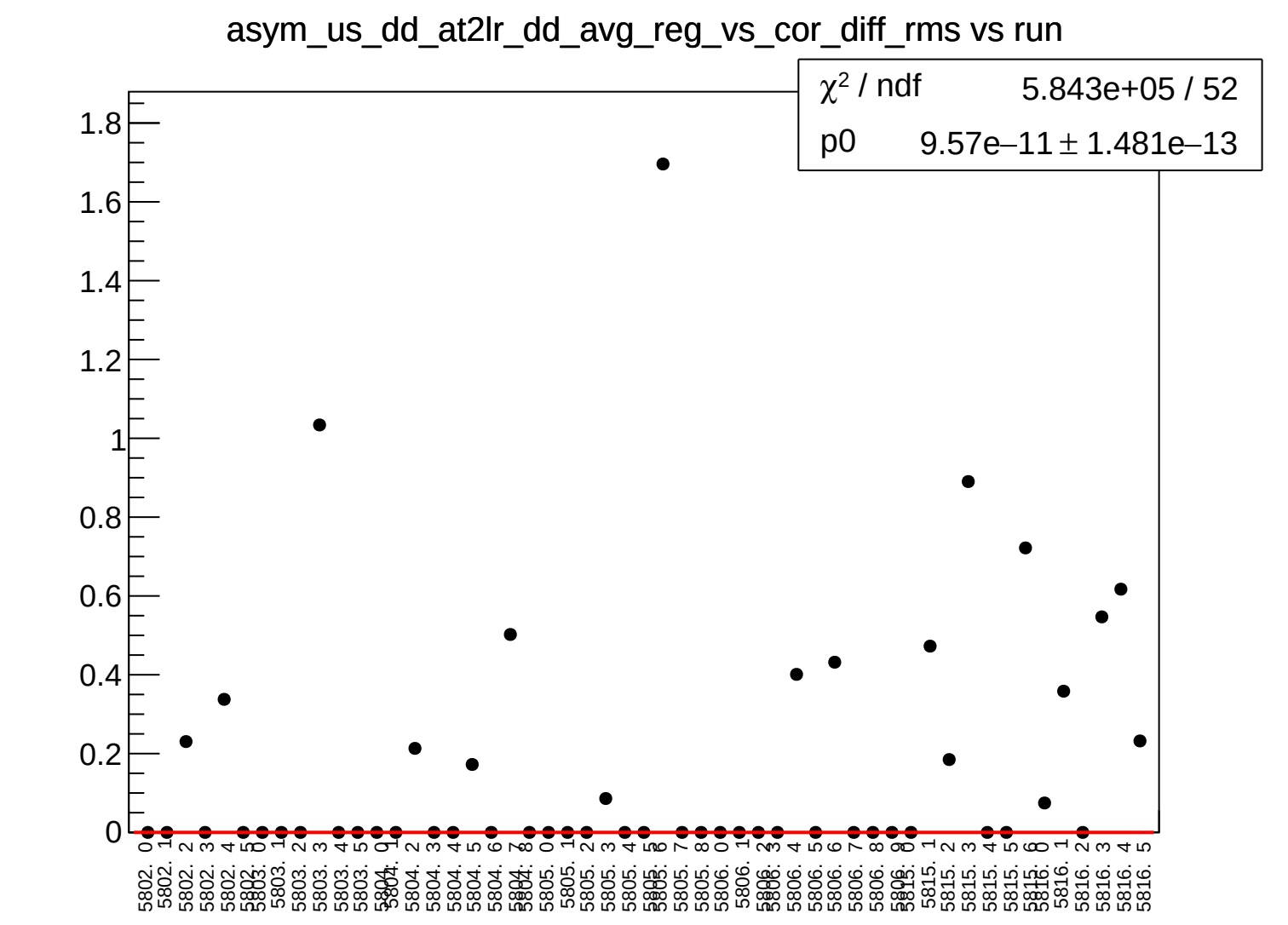
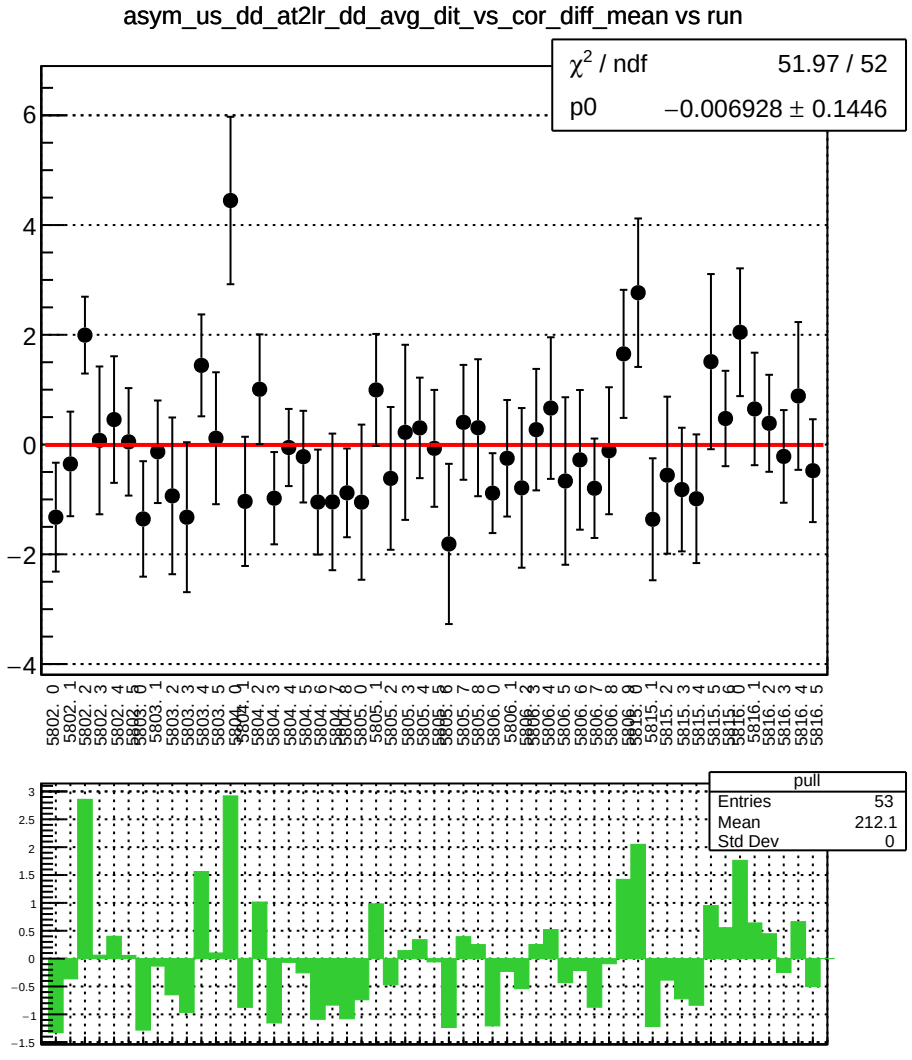
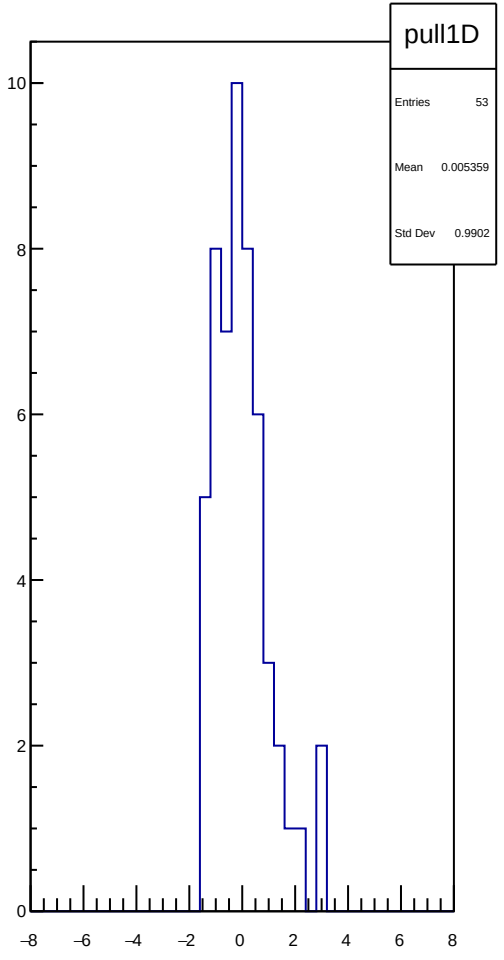
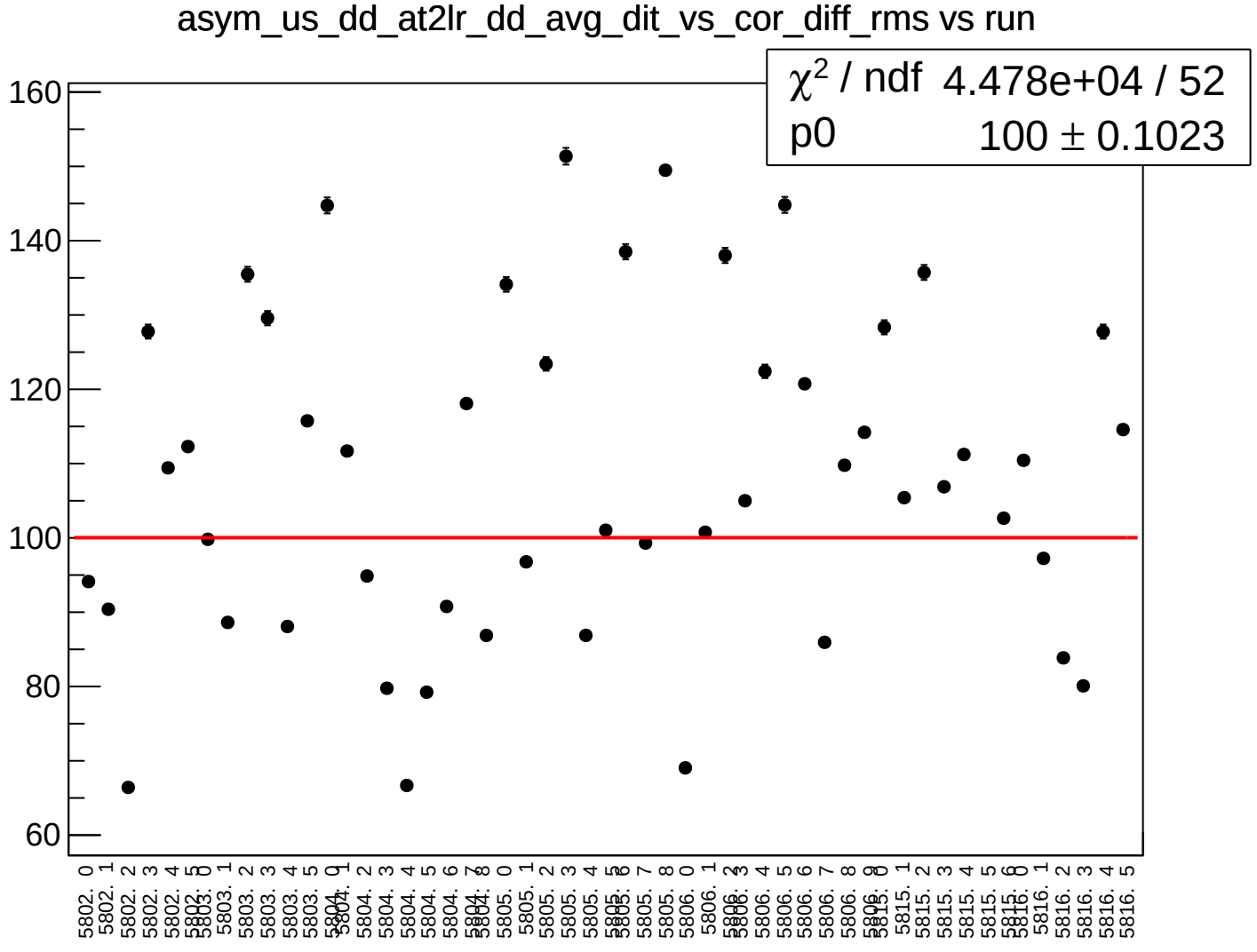
5816. 4
5816. 5


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.04 / 52
p0 −1.747e−13 ± 2.095e−13
pull
Entries 53
Mean 28.13
Std Dev 16.26
pull1D
Entries 53
Mean −0.09816
Std Dev 0.7835


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.843e+05 / 52
p0 9.57e−11 ± 1.481e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.97 / 52
p0 −0.006928 ± 0.1446
pull
Entries 53
Mean 212.1
Std Dev 0


pull1D
Entries 53
Mean 0.005359
Std Dev 0.9902


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 52
p0 100 ± 0.1023
160
140
120
100
80
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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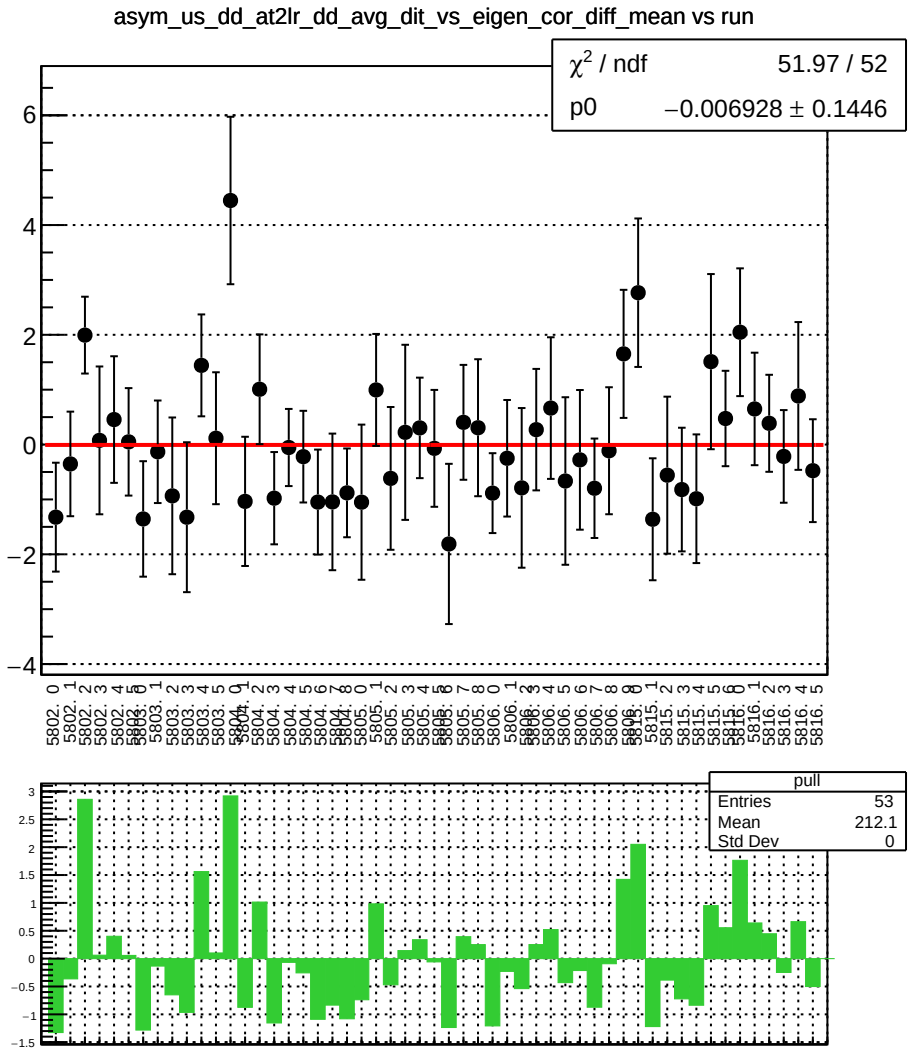
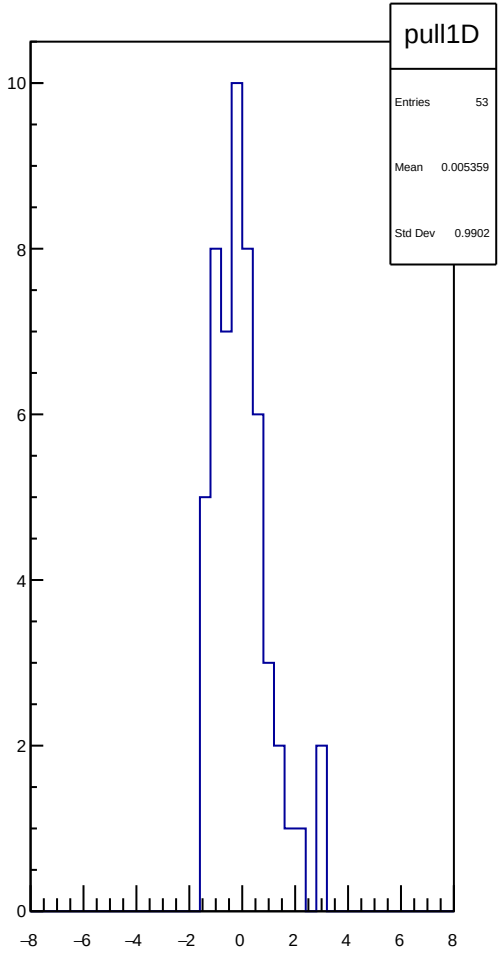
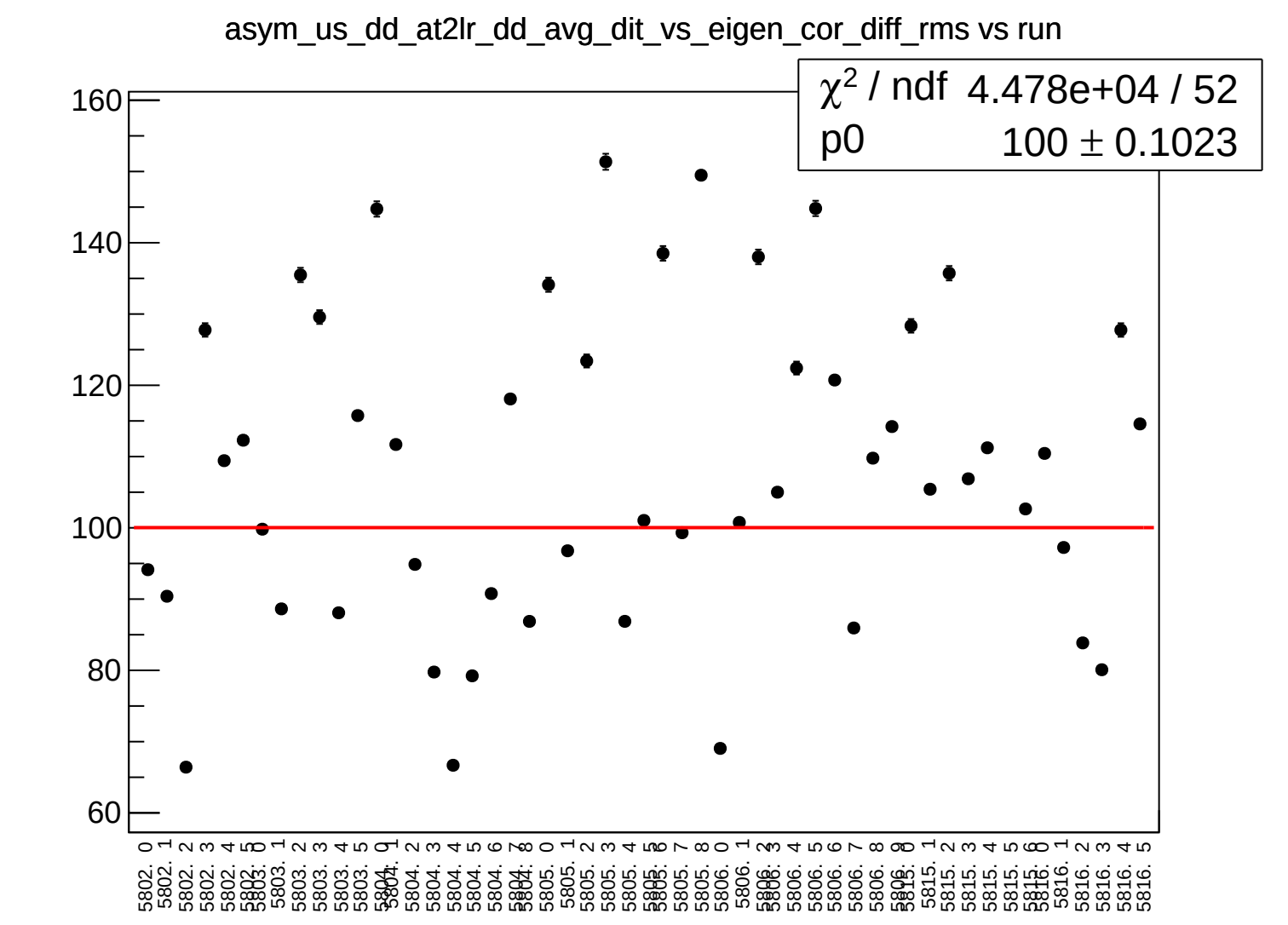
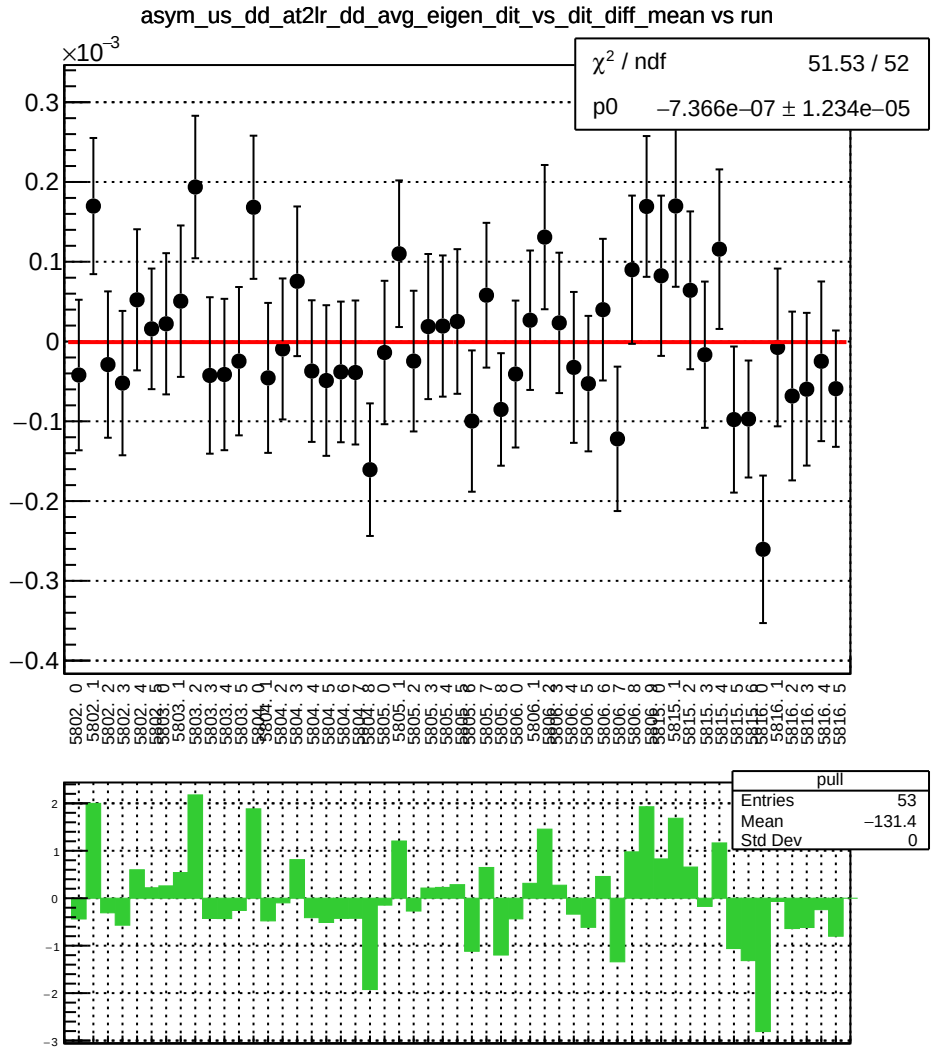
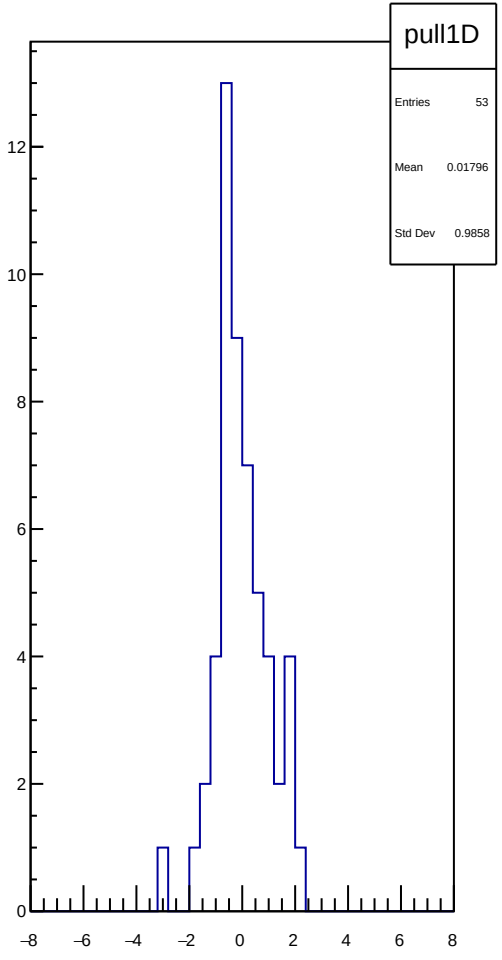
5816. 4
5816. 5

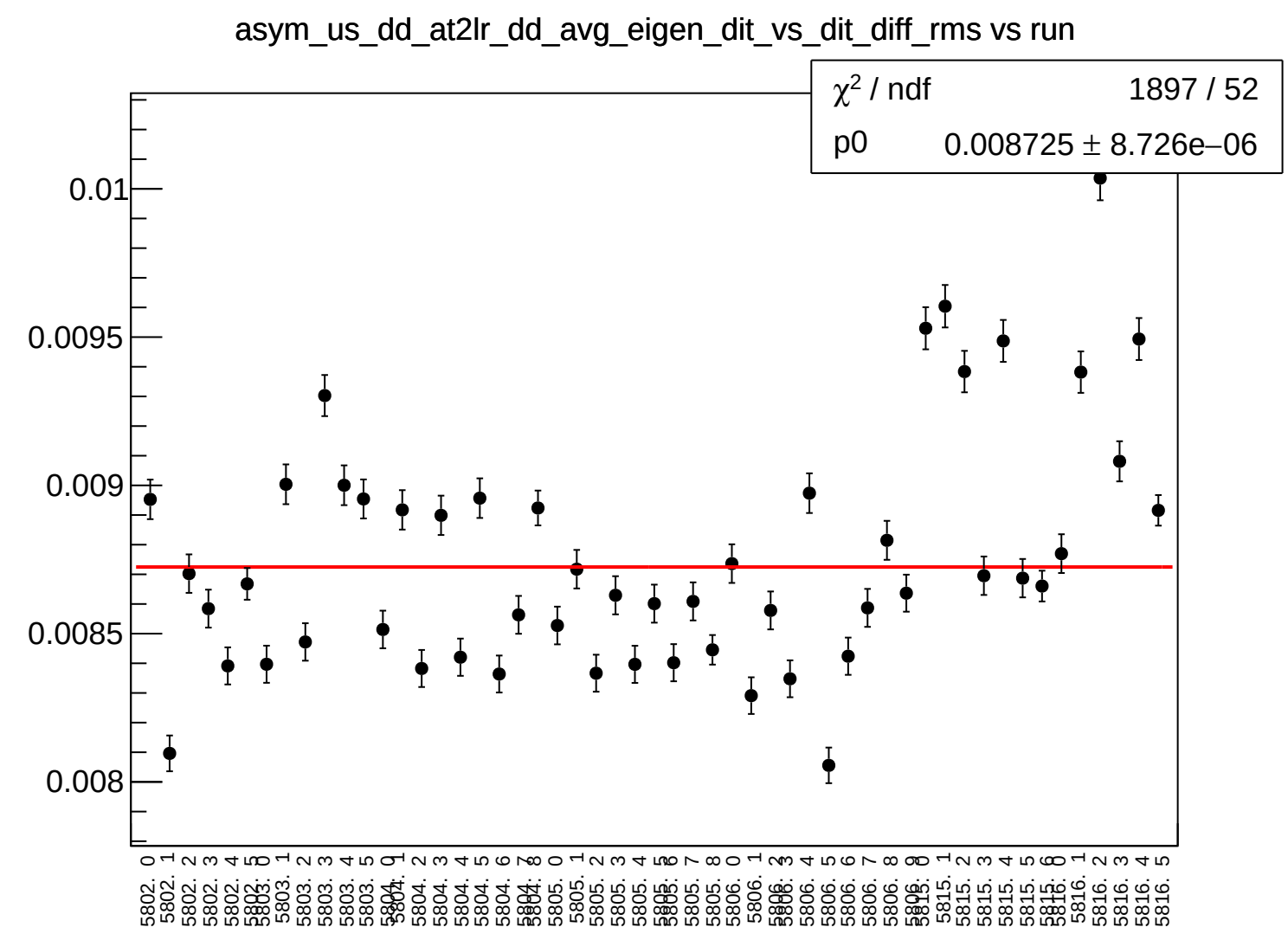

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.97 / 52
p0 −0.006928 ± 0.1446
pull
Entries 53
Mean 212.1
Std Dev 0

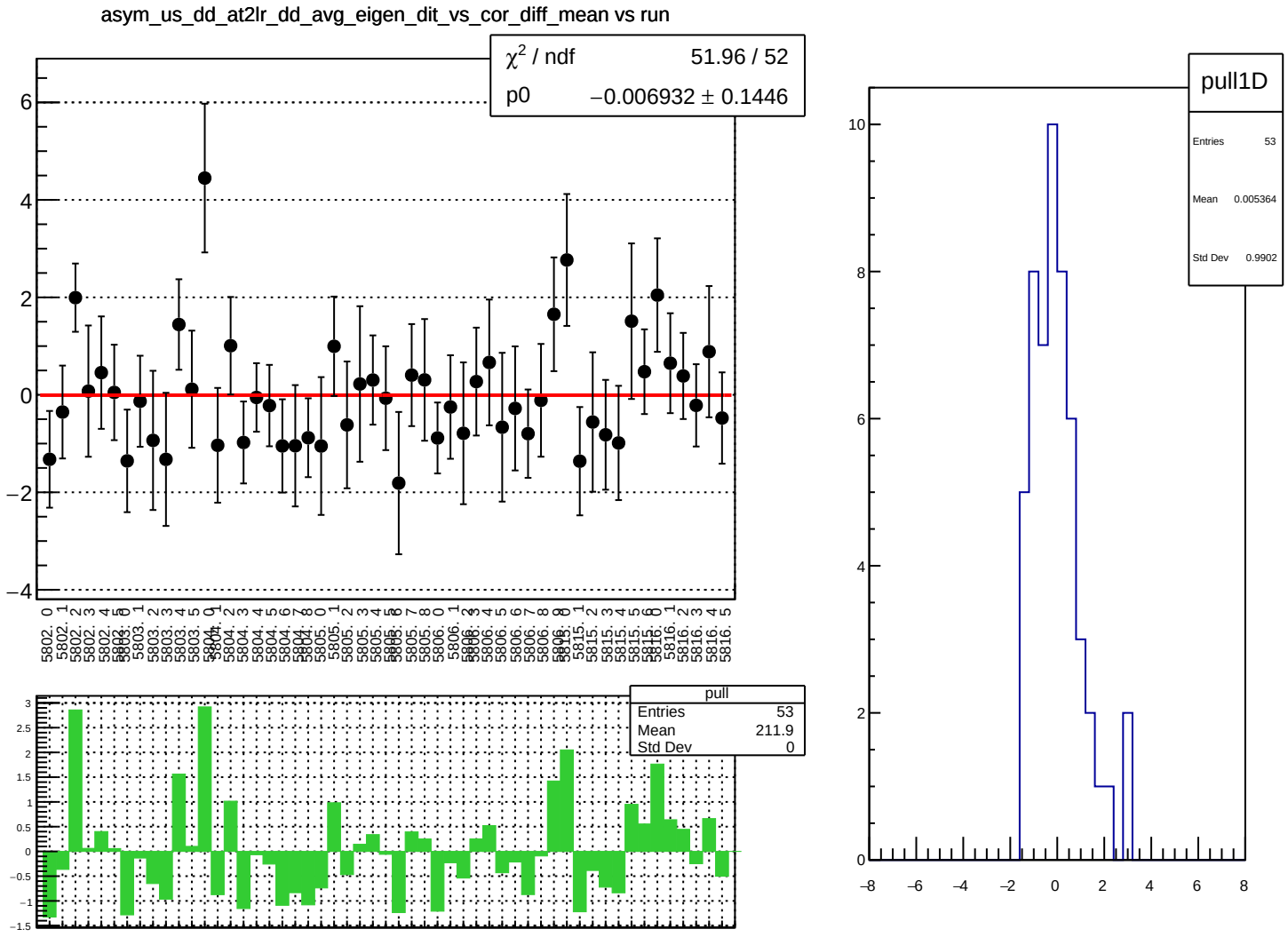

pull1D
Entries 53
Mean 0.005359
Std Dev 0.9902

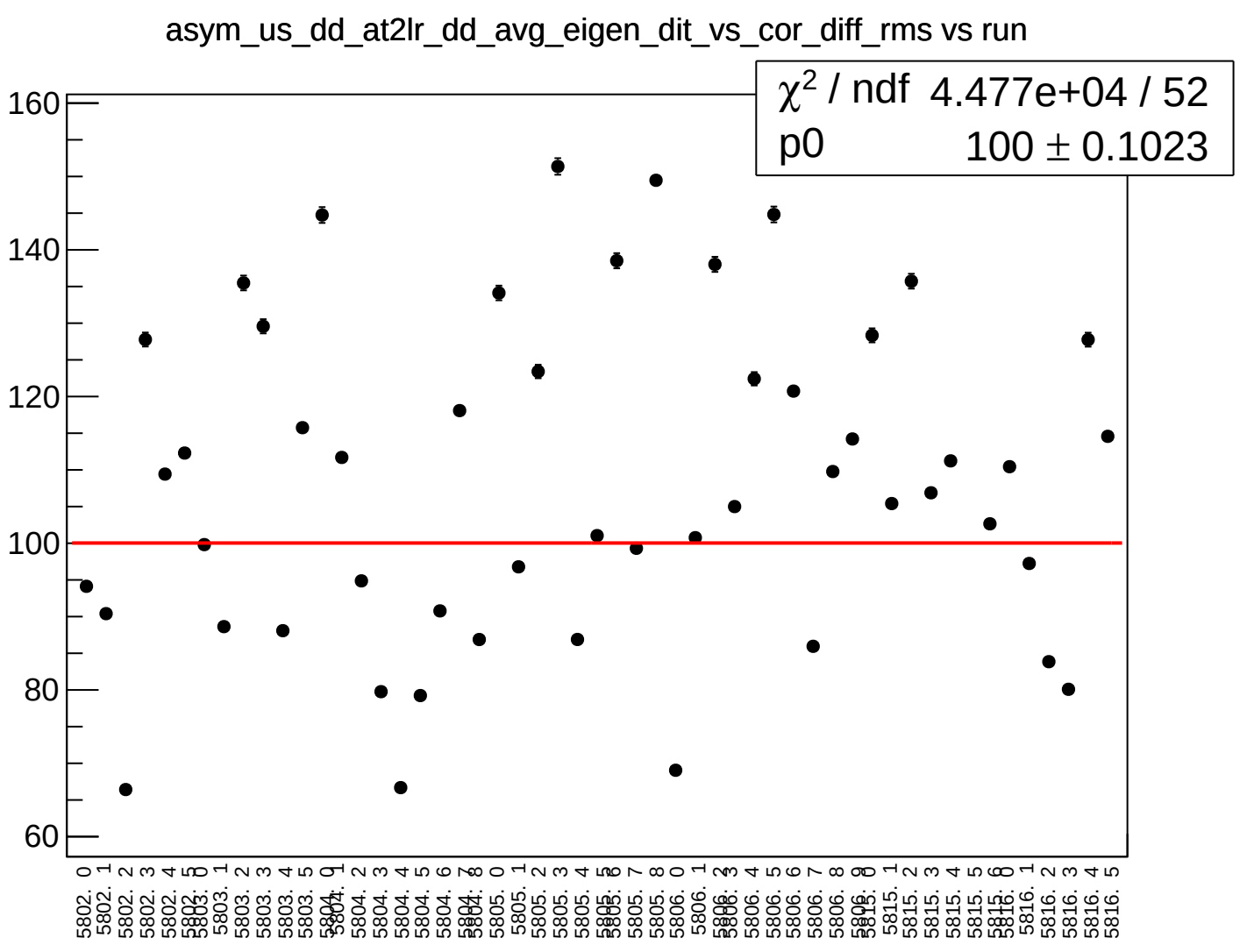

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 52
p0 100 ± 0.1023
160
140
120
100
80
60


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.53 / 52
p0 −7.366e−07 ± 1.234e−05
pull
Entries 53
Mean −131.4
Std Dev 0


pull1D
Entries 53
Mean 0.01796
Std Dev 0.9858


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1897 / 52
p0 0.008725 ± 8.726e−06
0.01
0.0095
0.009
0.0085
0.008


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.96 / 52
p0 −0.006932 ± 0.1446
pull
Entries 53
Mean 211.9
Std Dev 0
pull1D
Entries 53
Mean 0.005364
Std Dev 0.9902


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.477e+04 / 52
p0 100 ± 0.1023
160
140
120
100
80
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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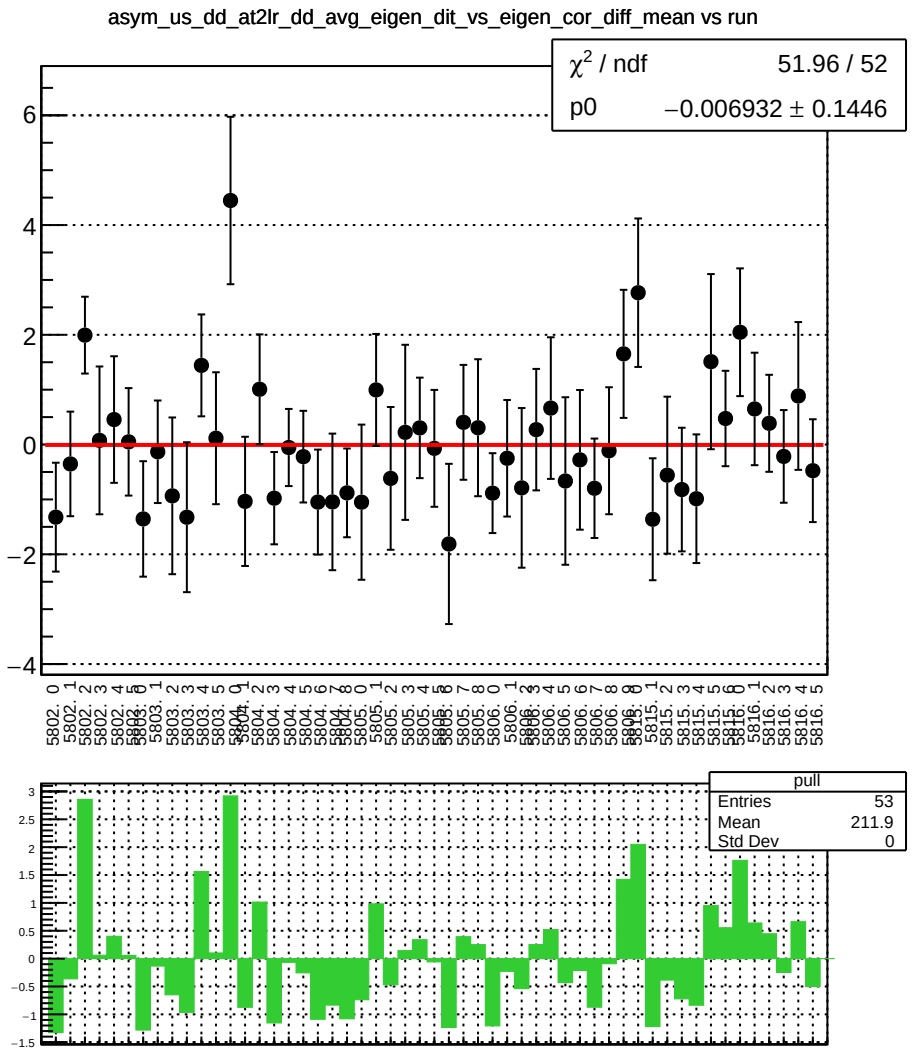
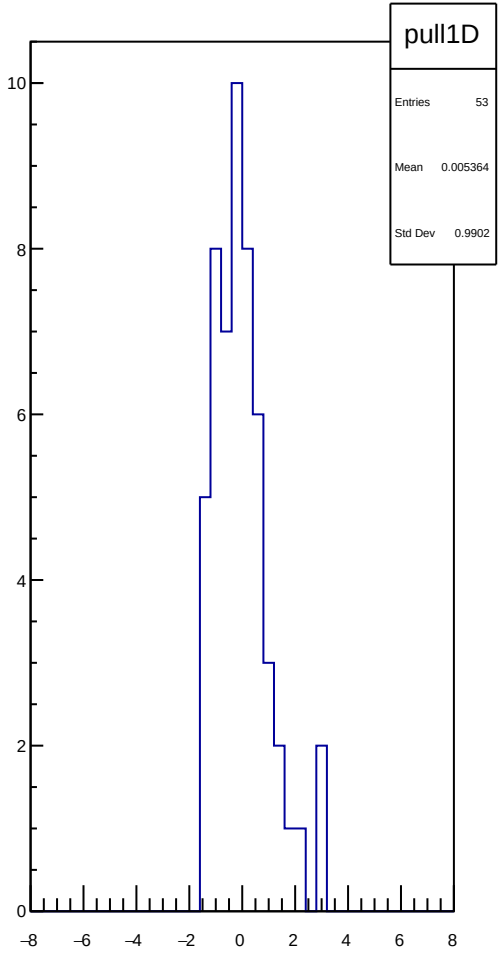
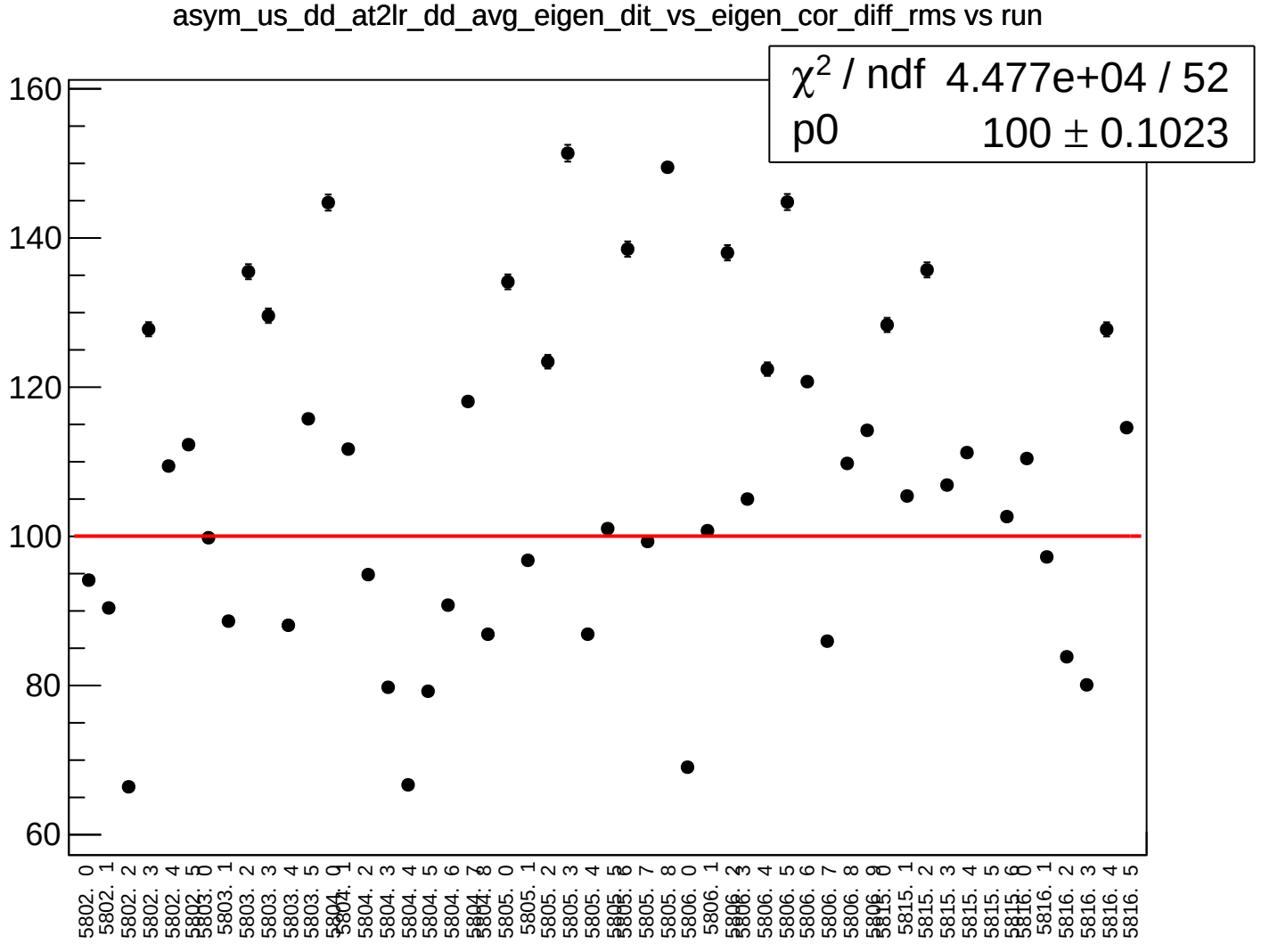
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.96 / 52
p0 −0.006932 ± 0.1446
pull
Entries 53
Mean 211.9
Std Dev 0


pull1D
Entries 53
Mean 0.005364
Std Dev 0.9902


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.477e+04 / 52
p0 100 ± 0.1023
160
140
120
100
80
60
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
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5803. 4
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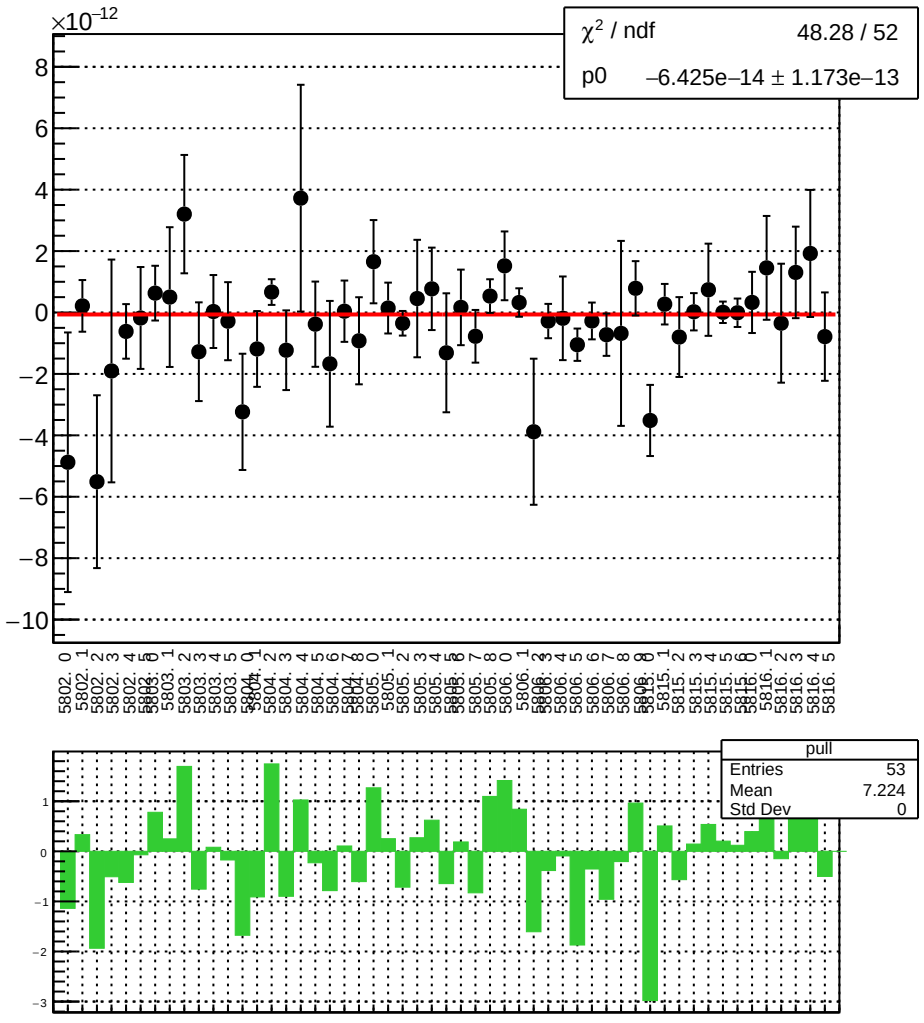
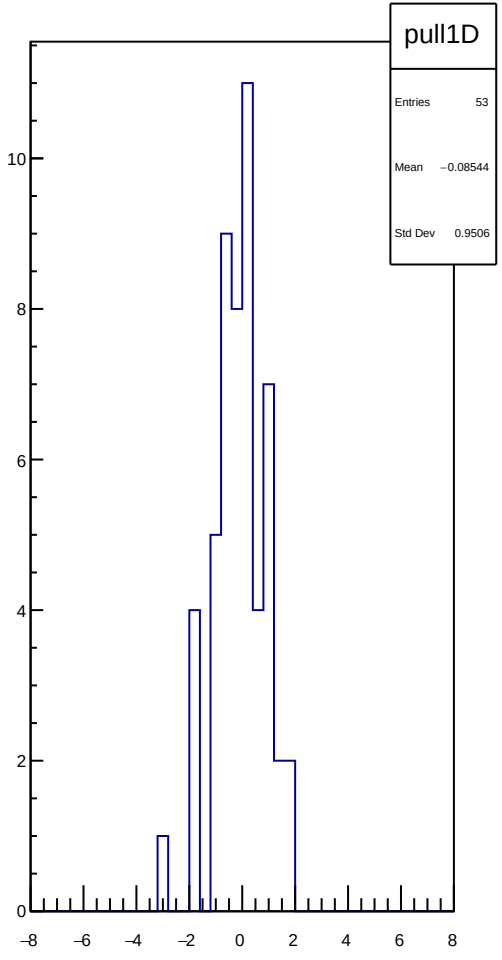
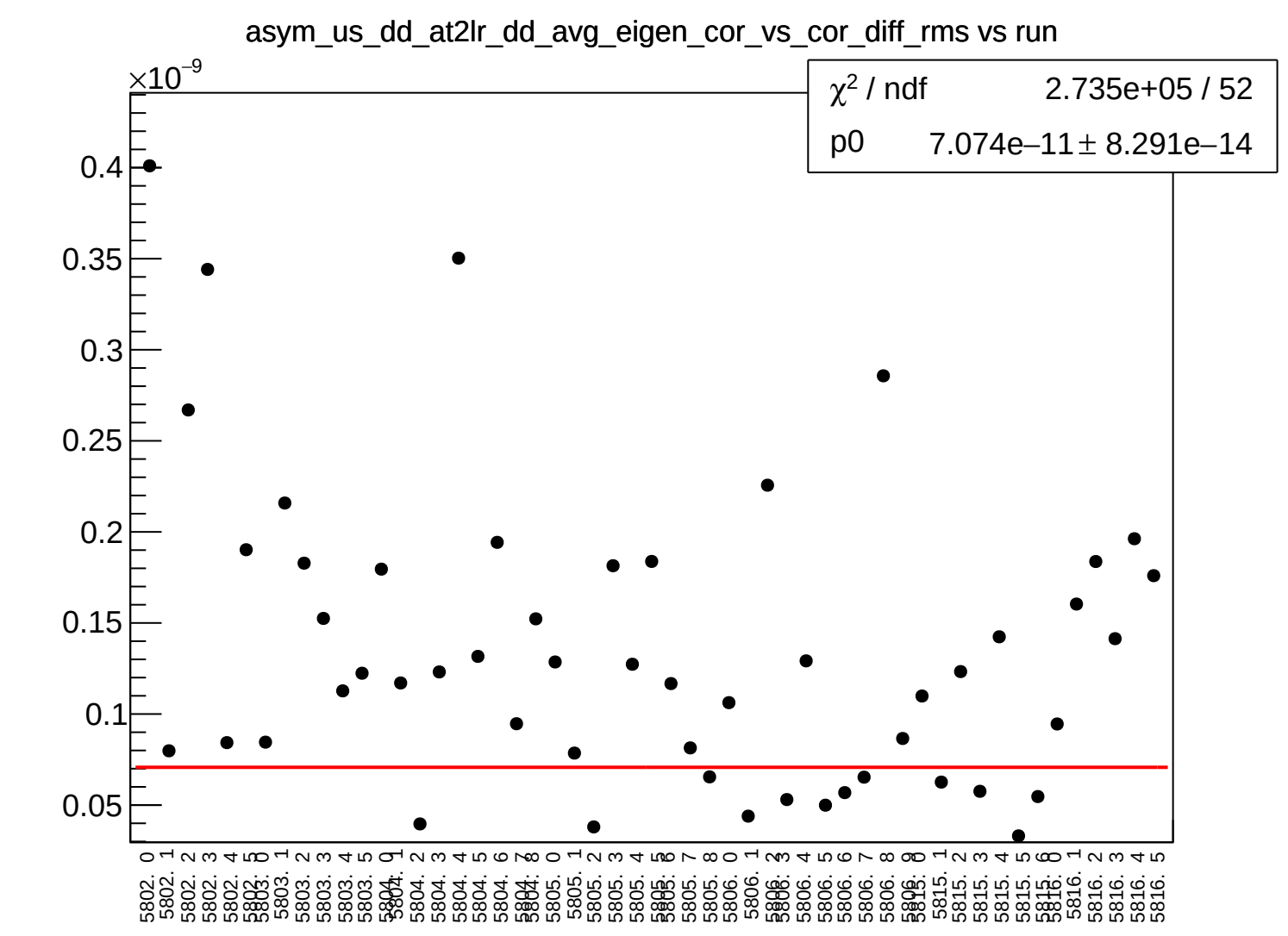
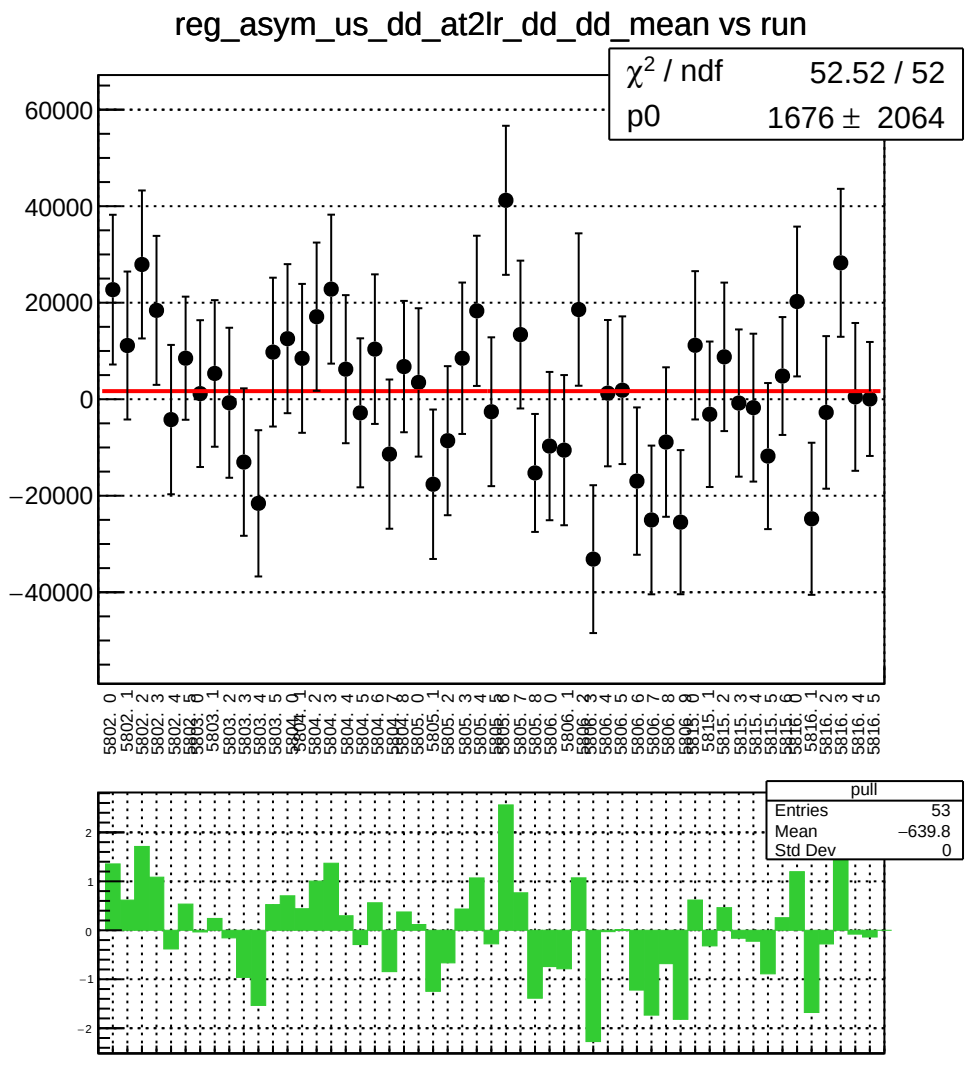
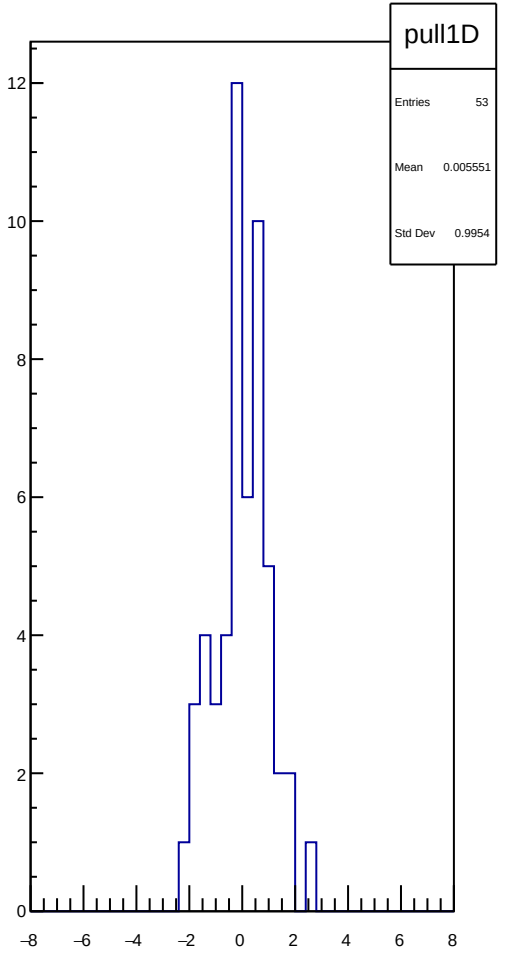
5816. 4
5816. 5

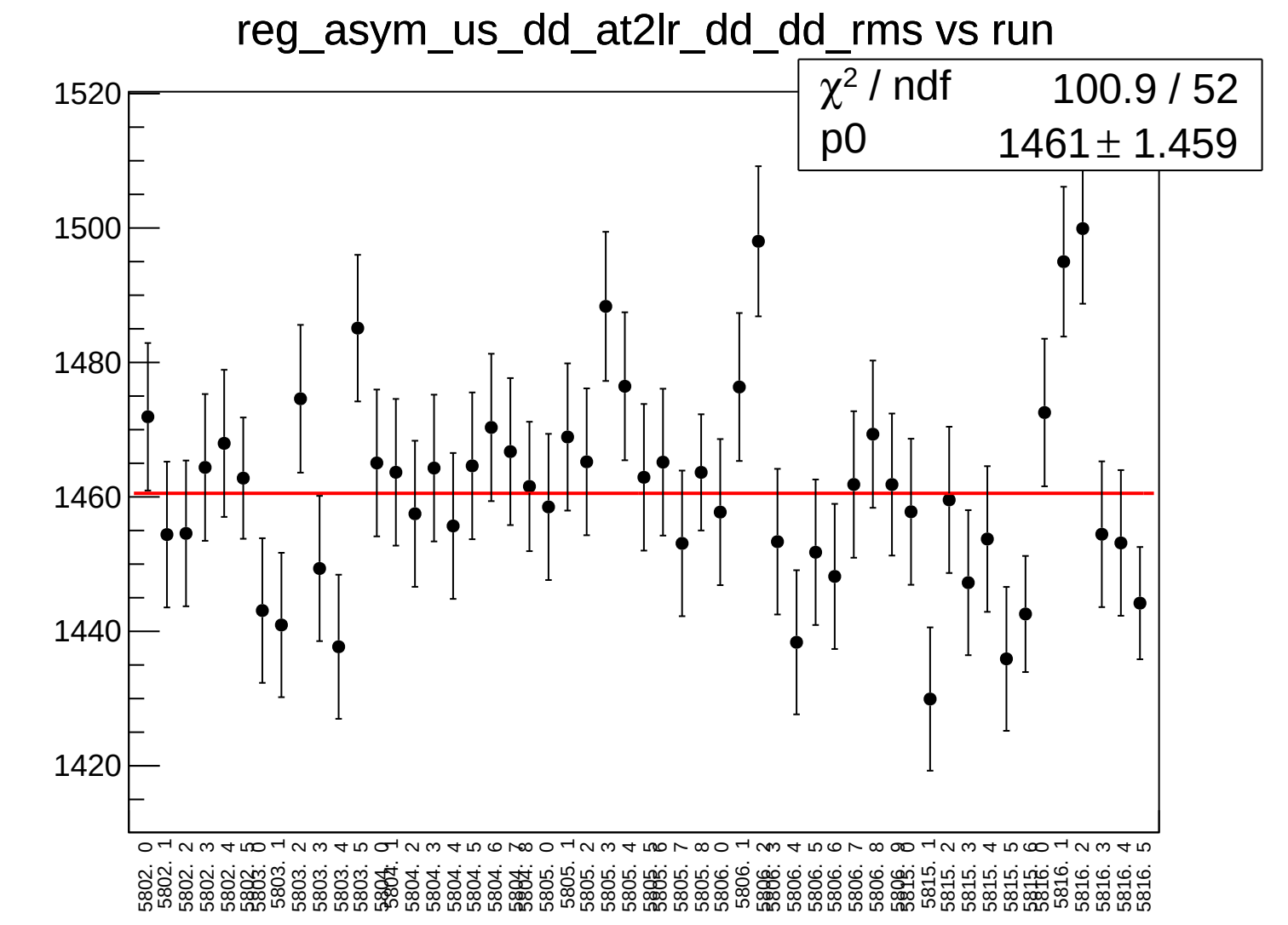

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.28 / 52
p0 −6.425e−14 ± 1.173e−13
pull
Entries 53
Mean 7.224
Std Dev 0

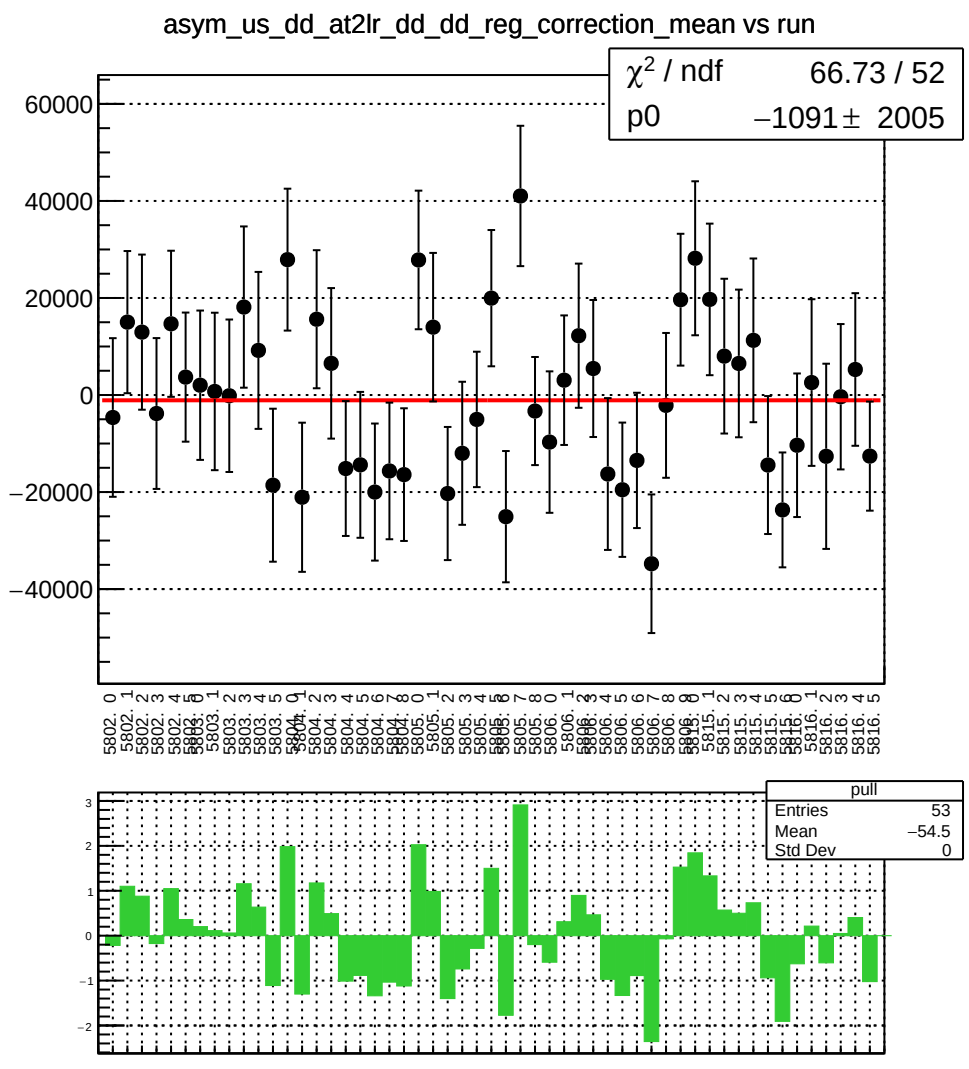

pull1D
Entries 53
Mean −0.08544
Std Dev 0.9506

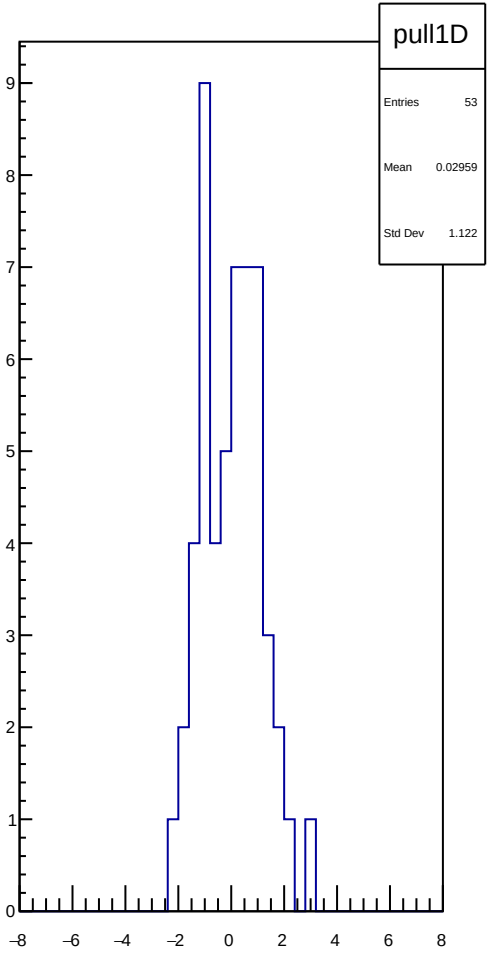

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.735e+05 / 52
p0 7.074e−11 ± 8.291e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

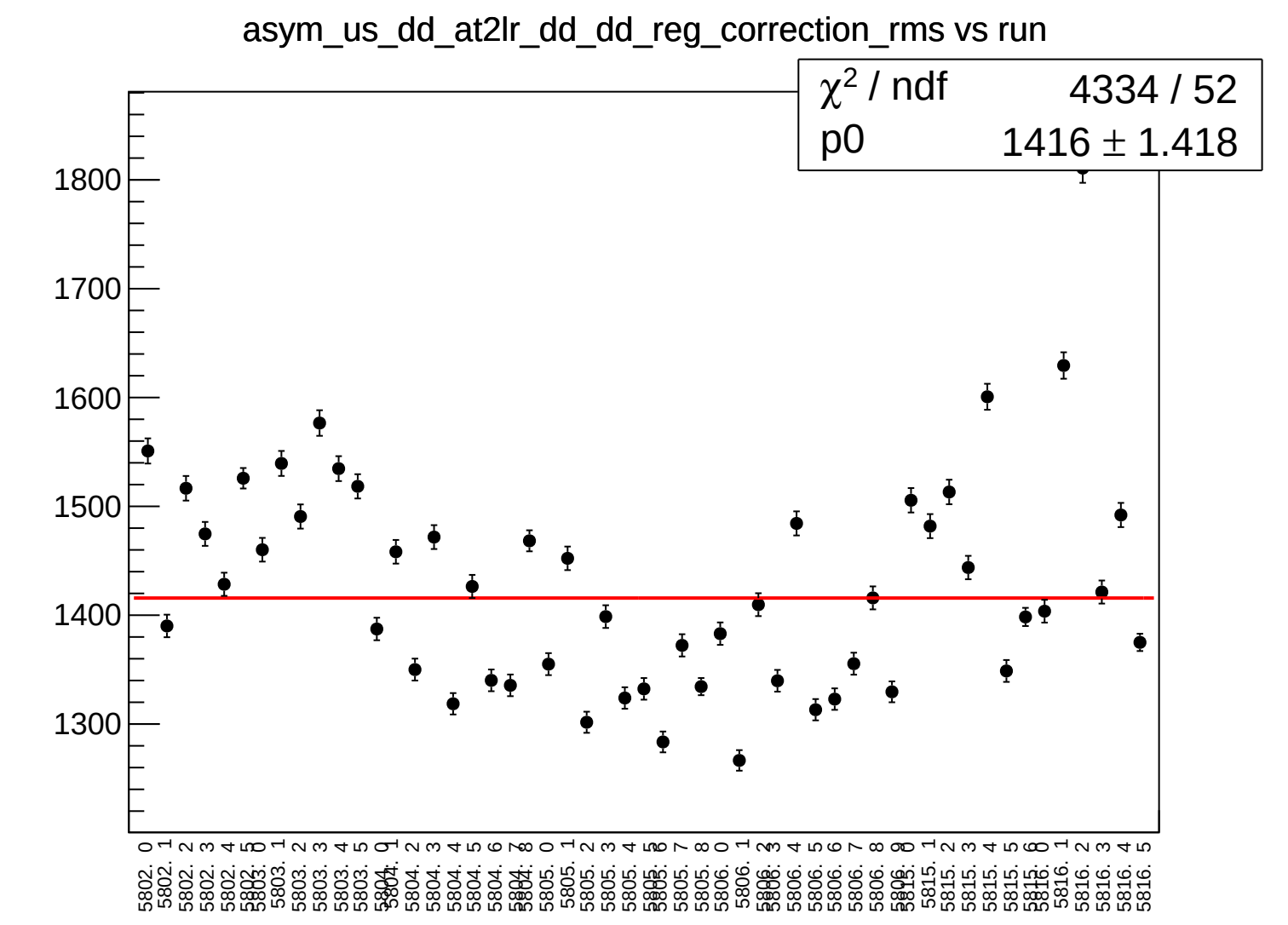

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 52.52 / 52
p0 1676 ± 2064
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −639.8
Std Dev 0
2
1
0
−1
−2

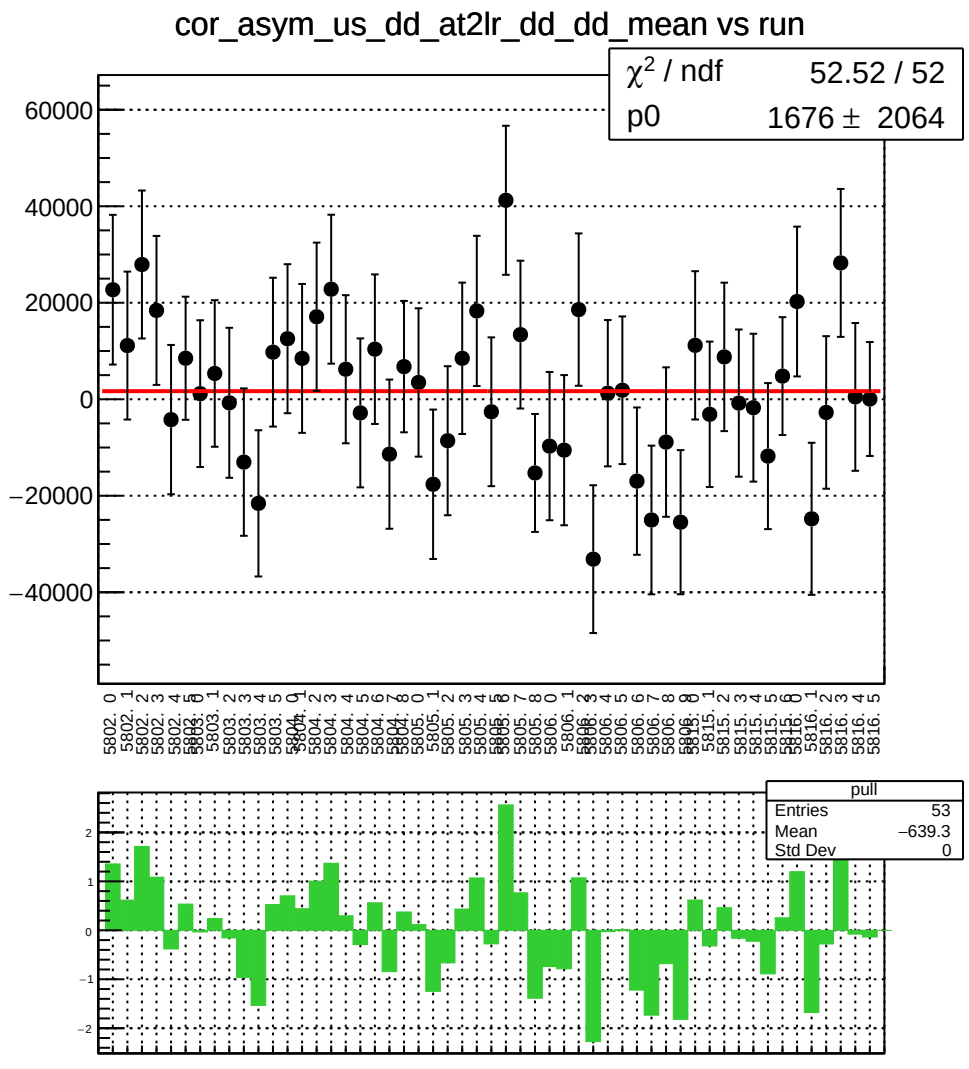

pull1D
Entries 53
Mean 0.005551
Std Dev 0.9954
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

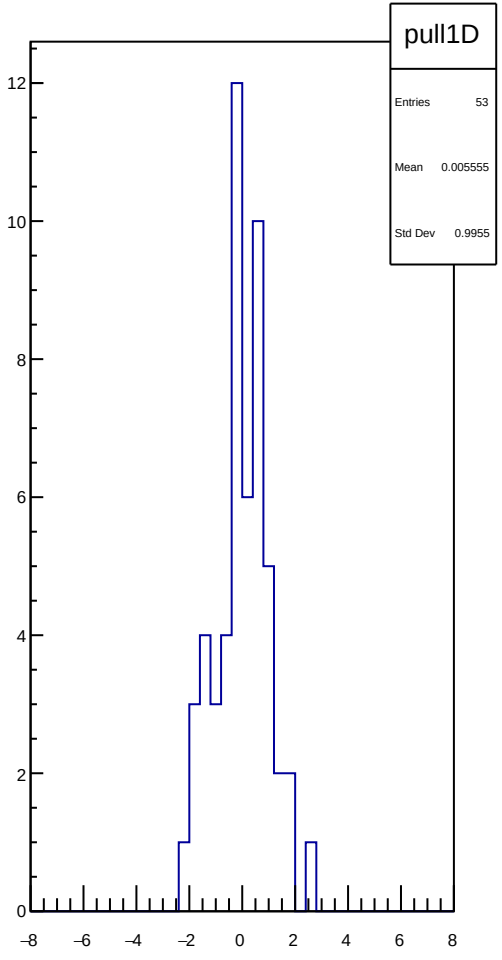

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 100.9 / 52
p0 1461 ± 1.459
1520
1500
1480
1460
1440
1420

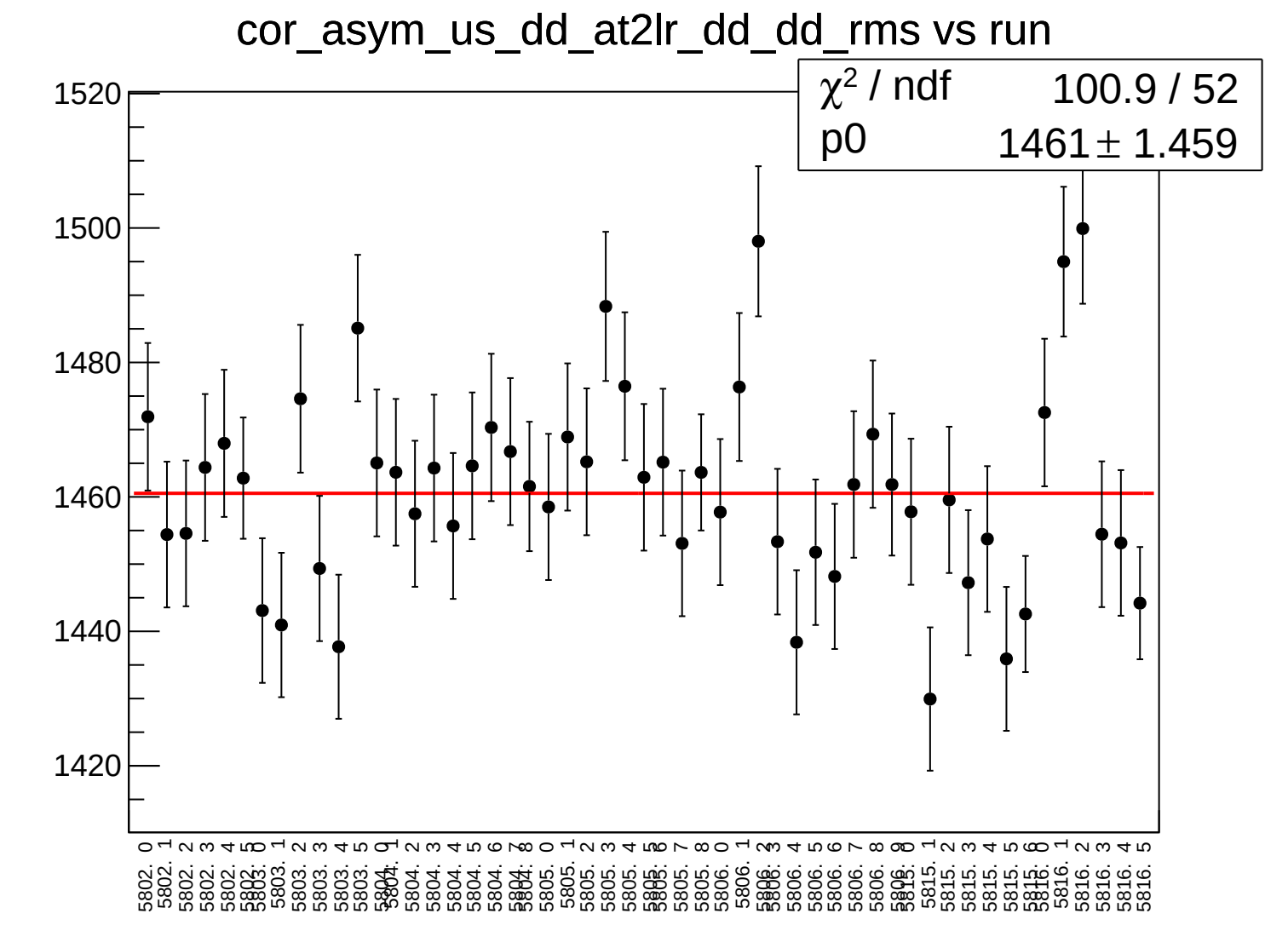

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 66.73 / 52
p0 −1091 ± 2005
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −54.5
Std Dev 0
3
2
1
0
−1
−2

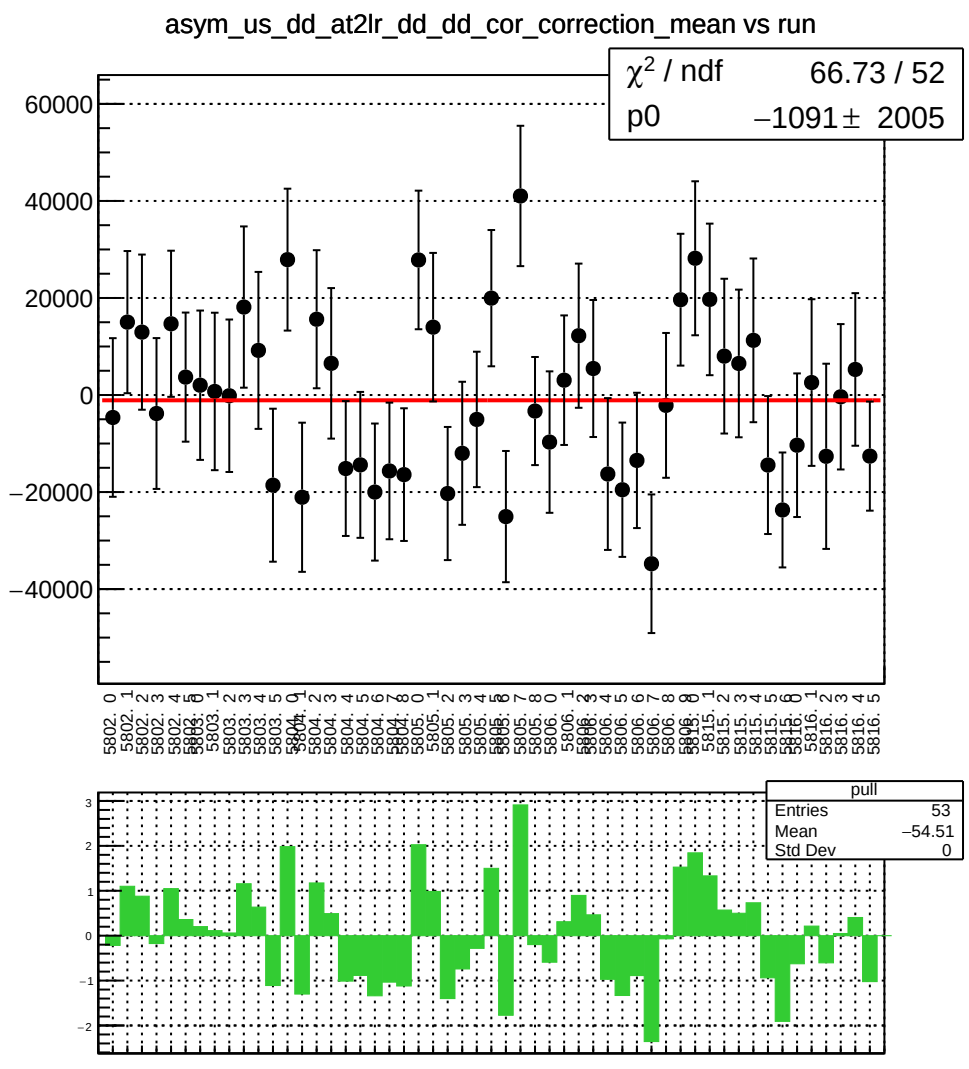

pull1D
Entries 53
Mean 0.02959
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

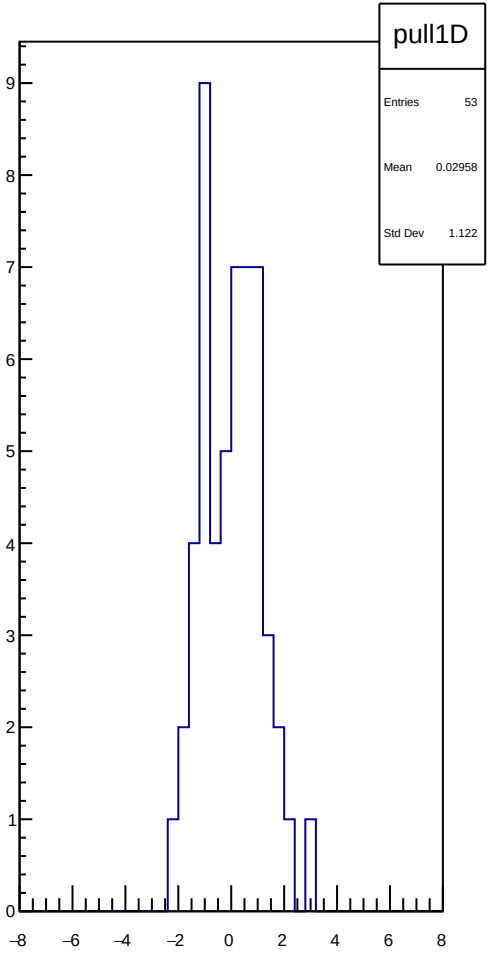

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4334 / 52
p0 1416 ± 1.418
1800
1700
1600
1500
1400
1300

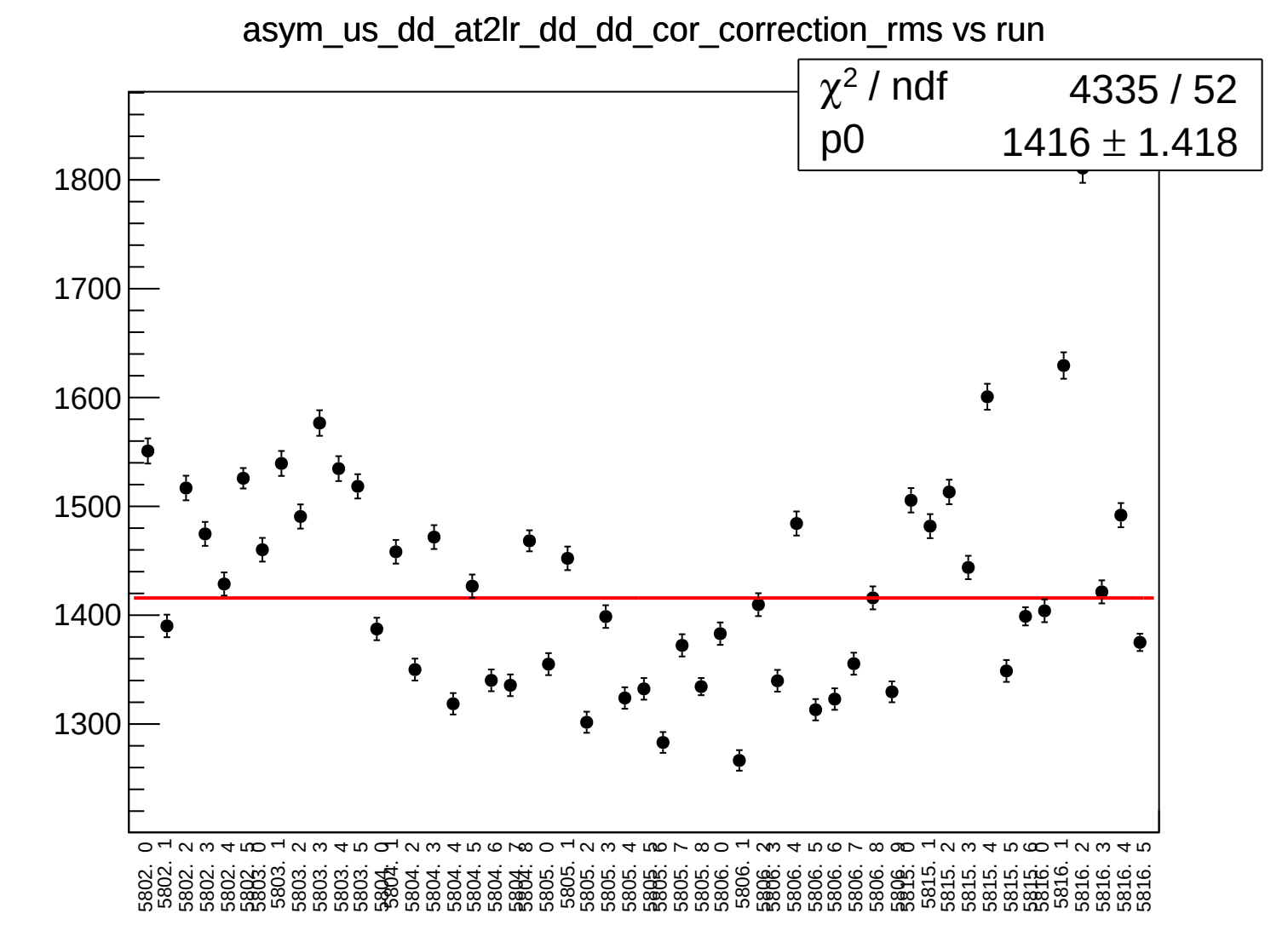

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 52.52 / 52
p0 1676 ± 2064
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −639.3
Std Dev 0
2
1
0
−1
−2

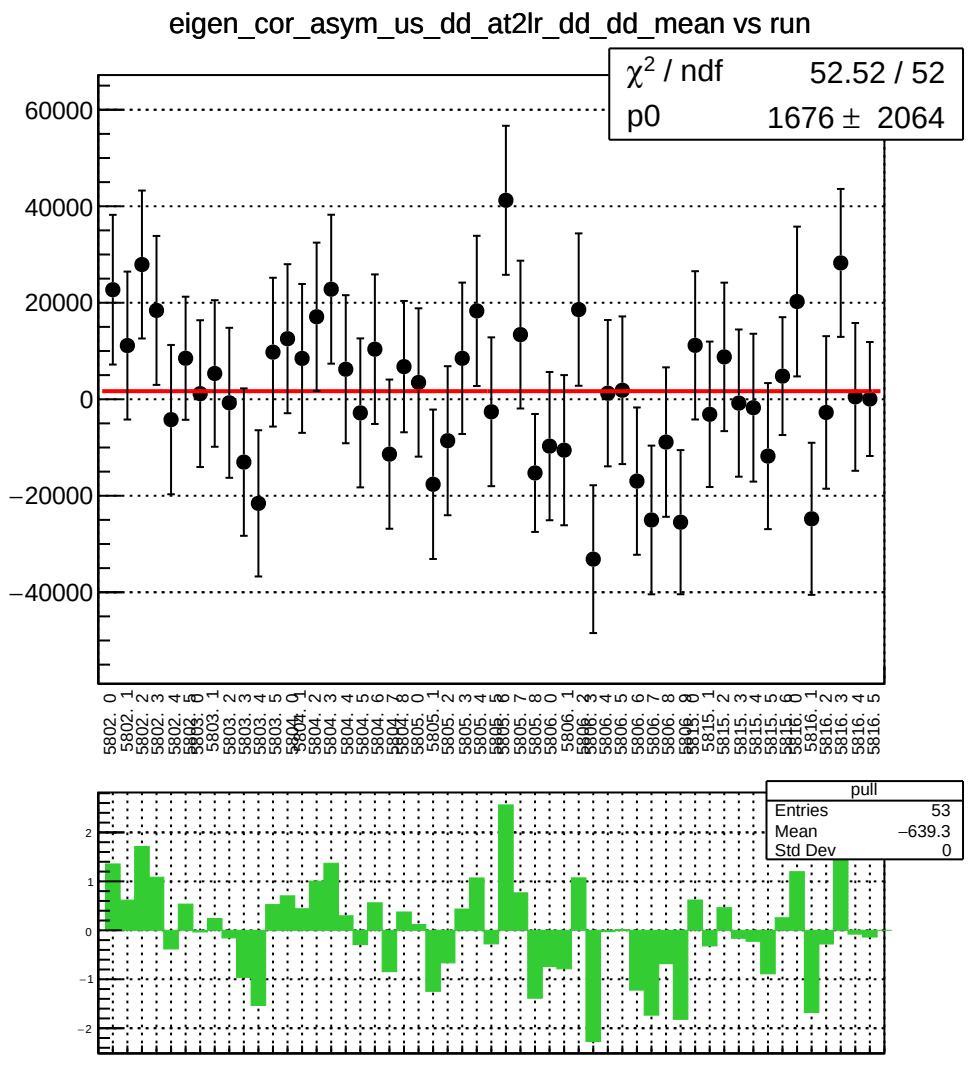

pull1D
Entries 53
Mean 0.005555
Std Dev 0.9955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

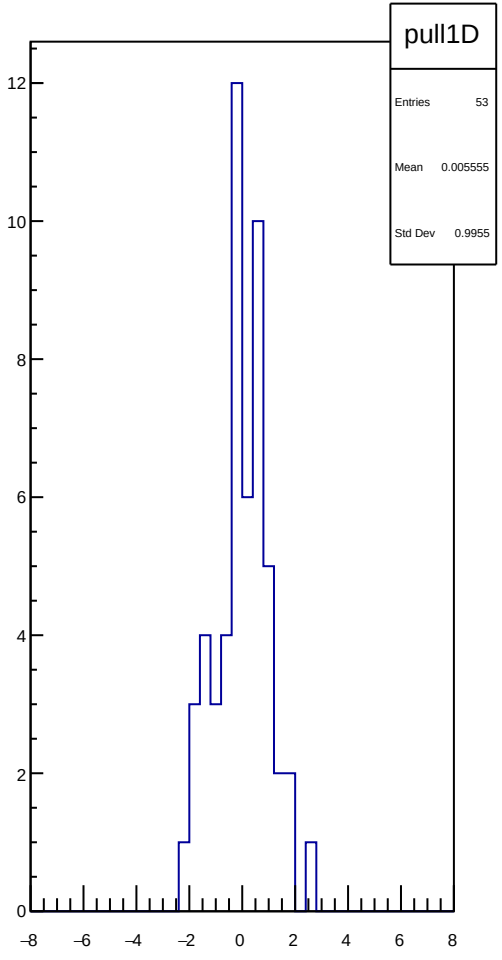

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 100.9 / 52
p0 1461 ± 1.459
1520
1500
1480
1460
1440
1420


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 66.73 / 52
p0 −1091 ± 2005
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −54.51
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02958
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4335 / 52
p0 1416 ± 1.418
1800
1700
1600
1500
1400
1300


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 52.52 / 52
p0 1676 ± 2064
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −639.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.005555
Std Dev 0.9955
12
10
8
6
4
2
0
−8
−6
−4
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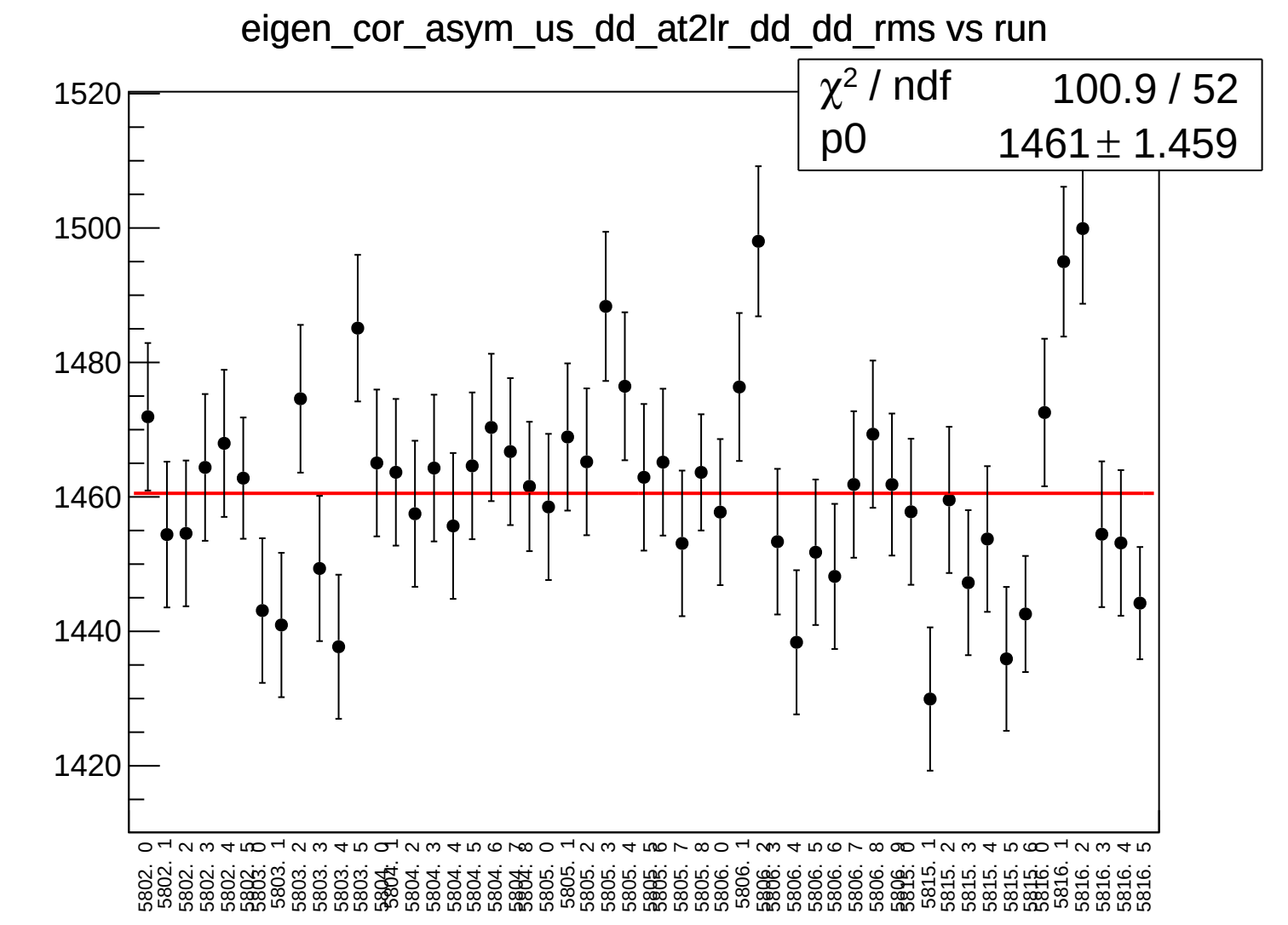
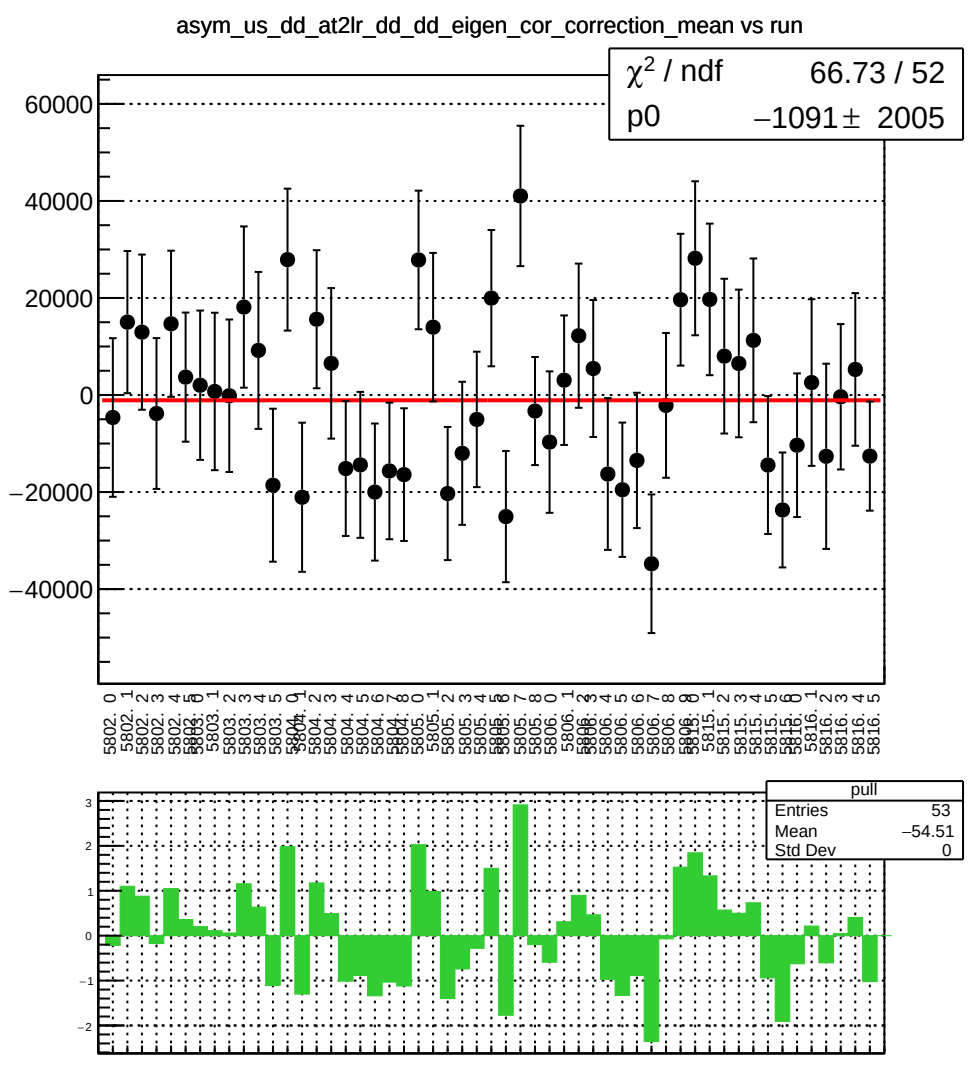
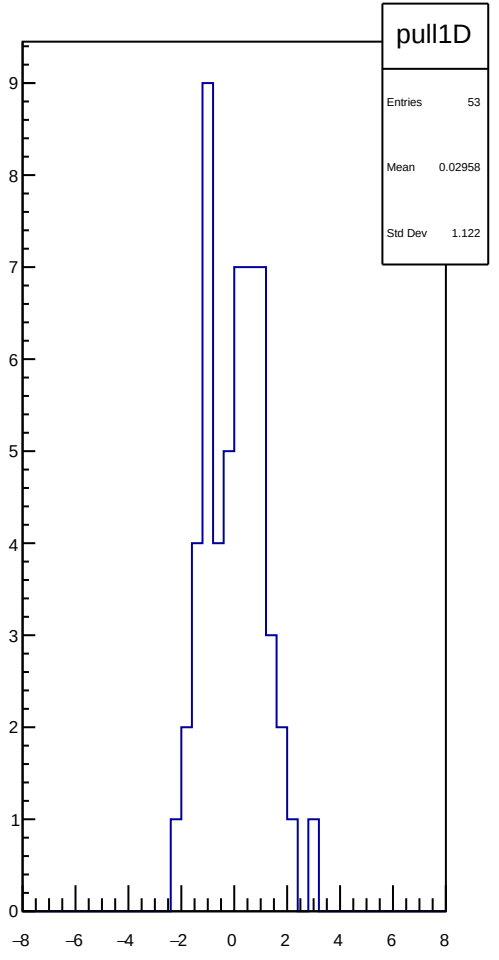
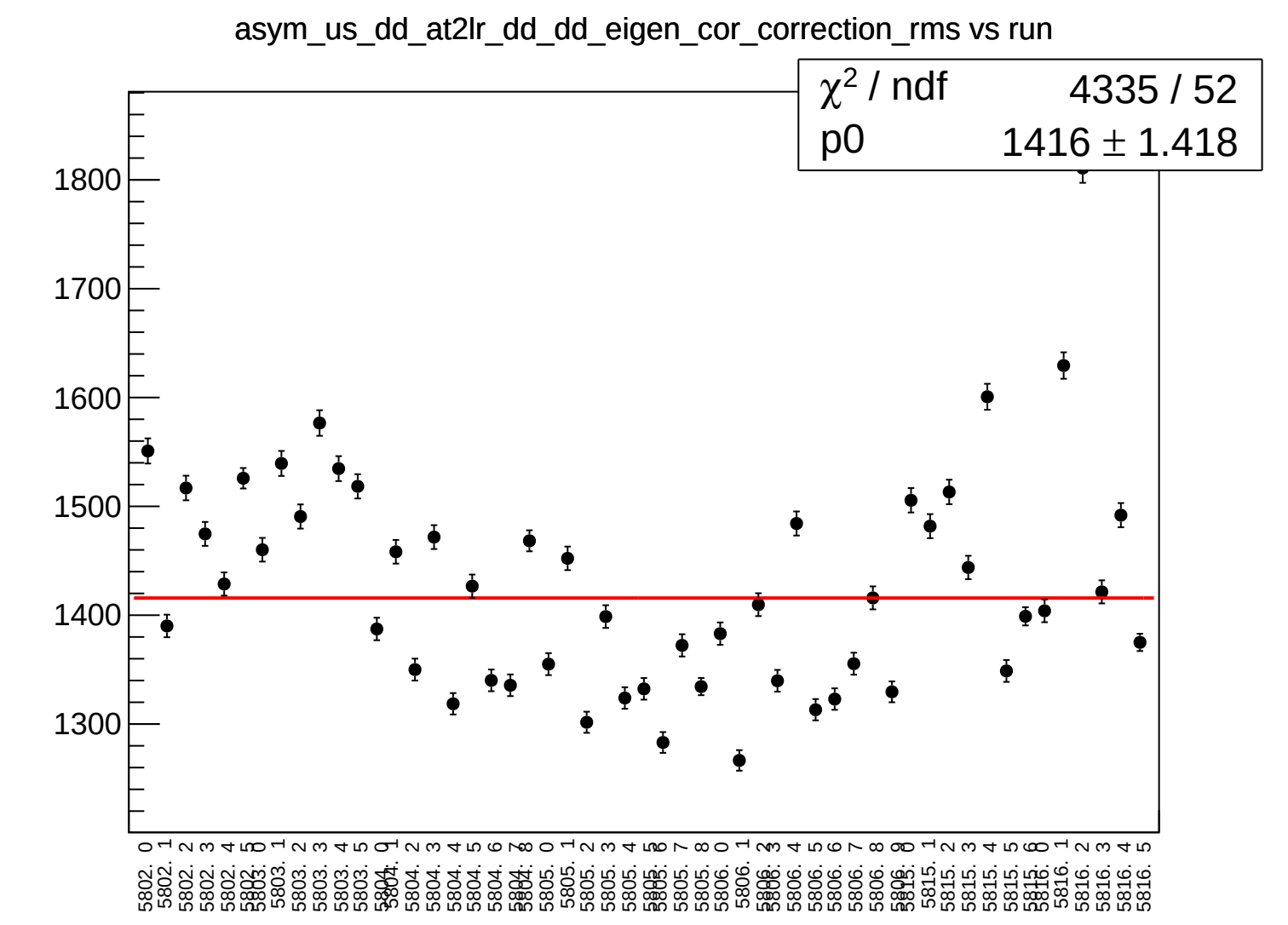
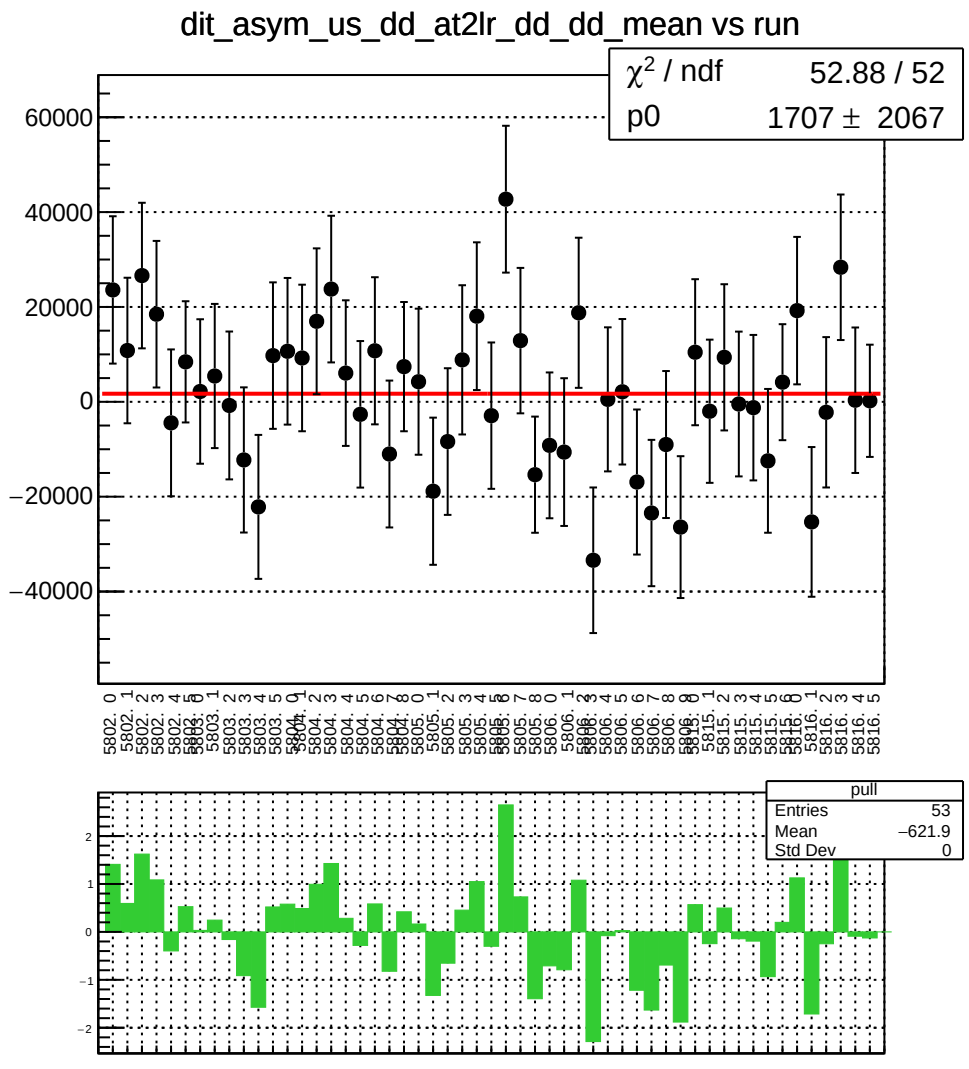
0
2
4
6
8

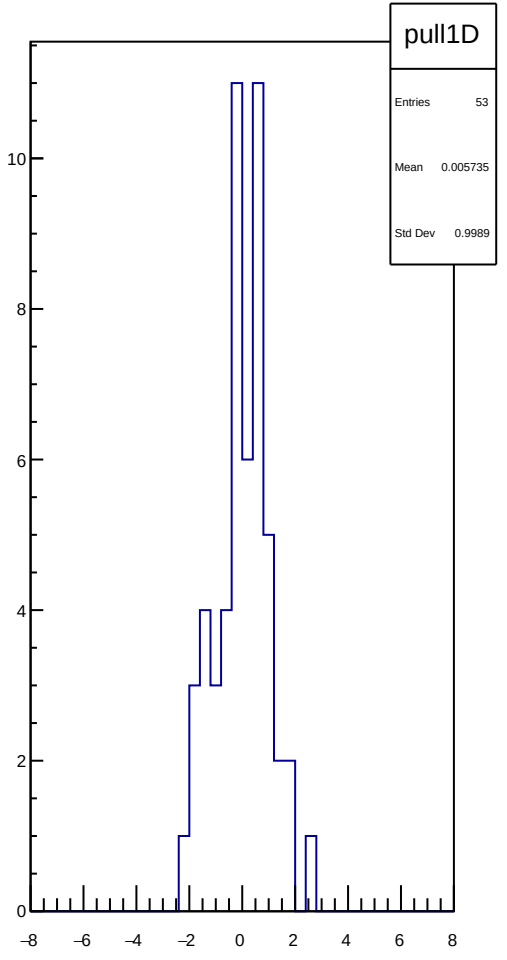

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 100.9 / 52
p0 1461 ± 1.459
1520
1500
1480
1460
1440
1420

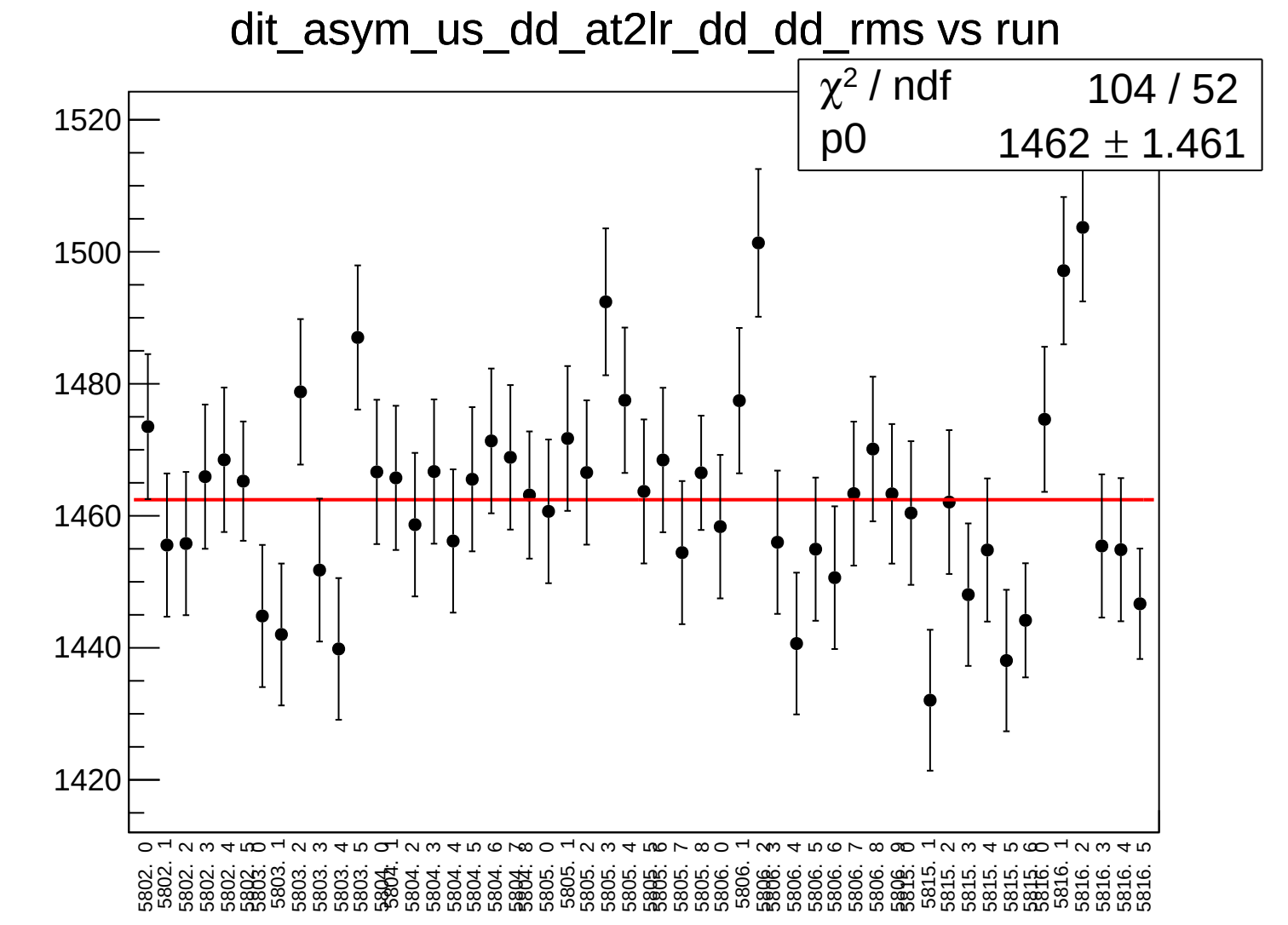

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.73 / 52
p0 −1091 ± 2005
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −54.51
Std Dev 0
3
2
1
0
−1
−2

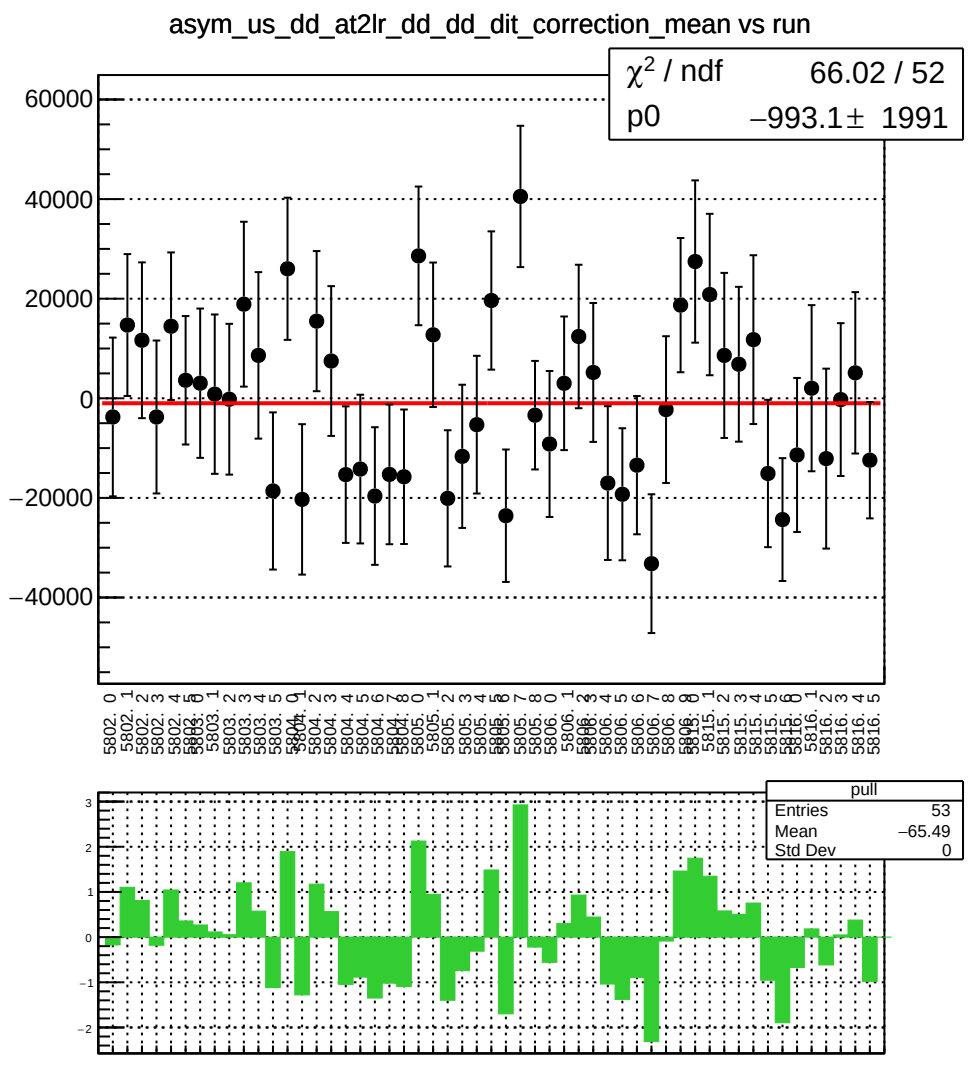

pull1D
Entries 53
Mean 0.02958
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

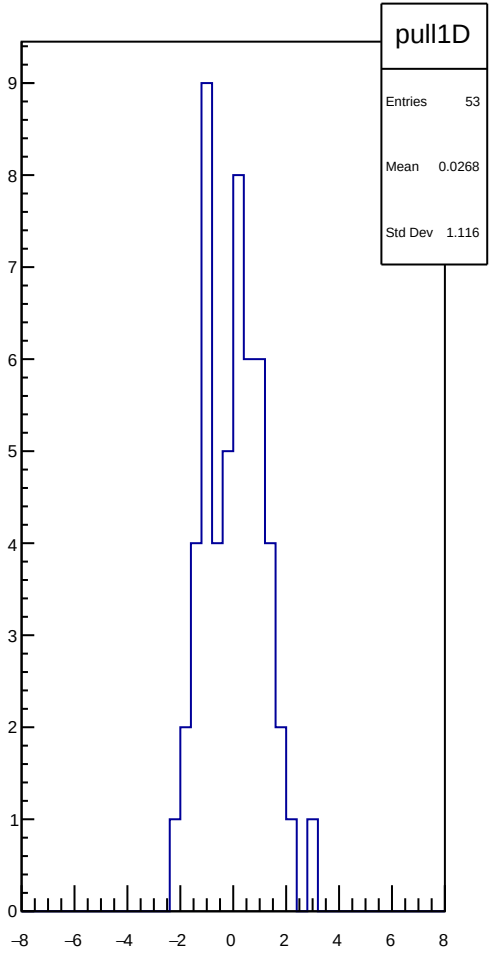

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4335 / 52
p0 1416 ± 1.418
1800
1700
1600
1500
1400
1300

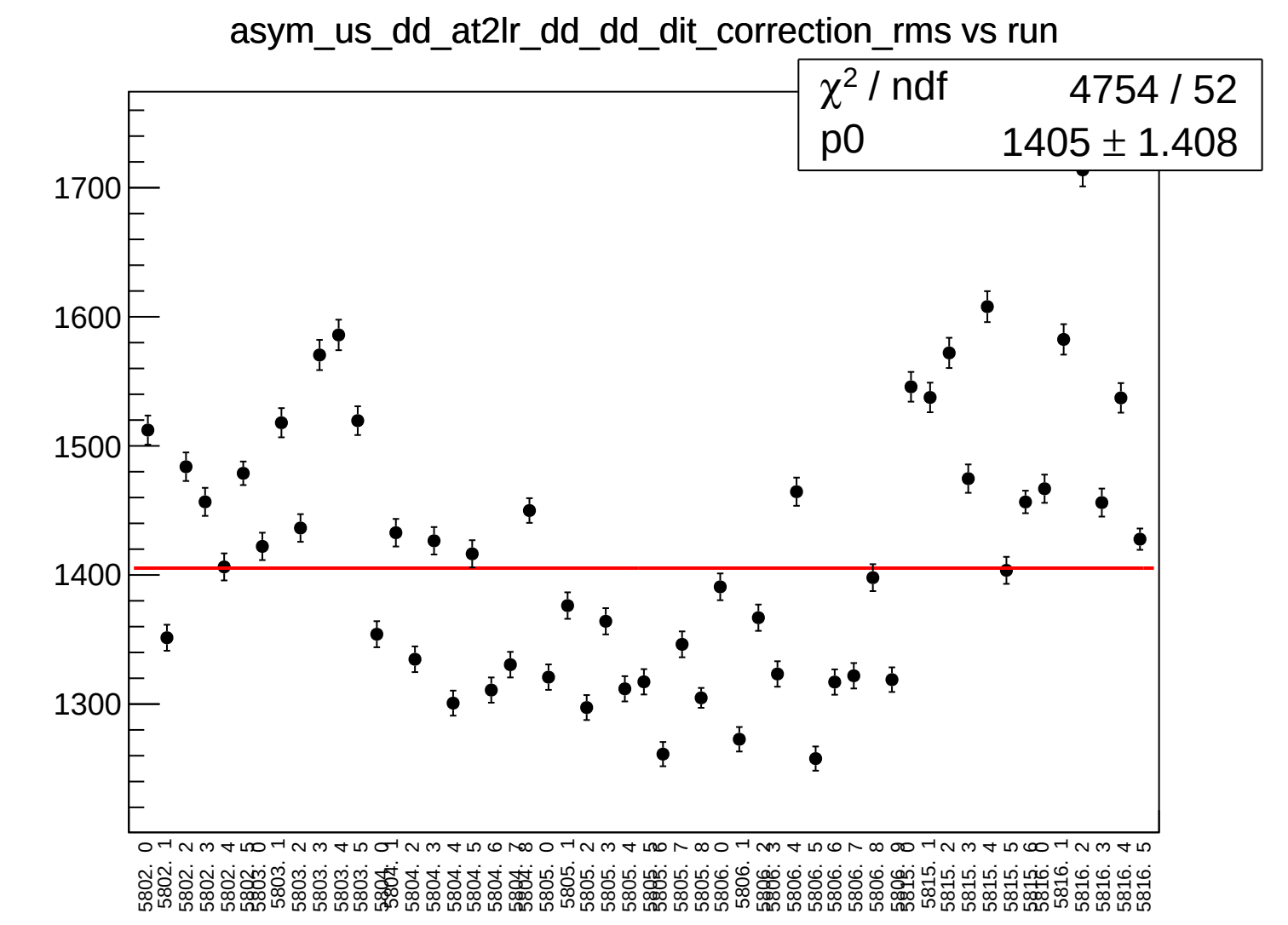

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 52.88 / 52
p0 1707 ± 2067
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −621.9
Std Dev 0
2
1
0
−1
−2

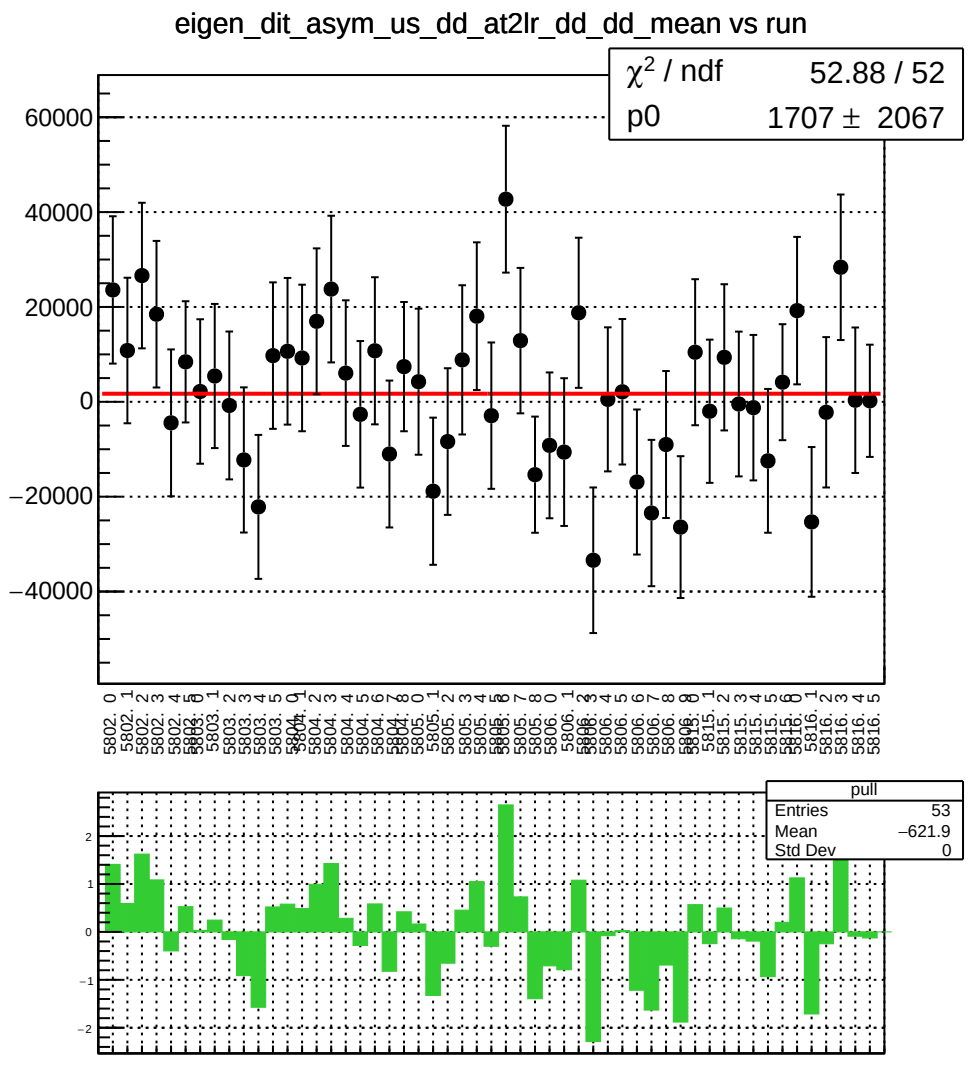

pull1D
Entries 53
Mean 0.005735
Std Dev 0.9989
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

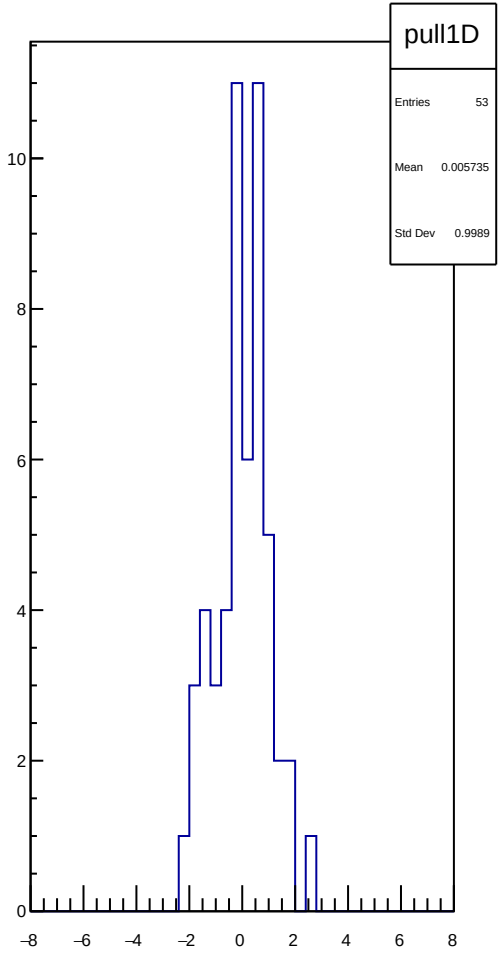

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 104 / 52
p0 1462 ± 1.461
1520
1500
1480
1460
1440
1420

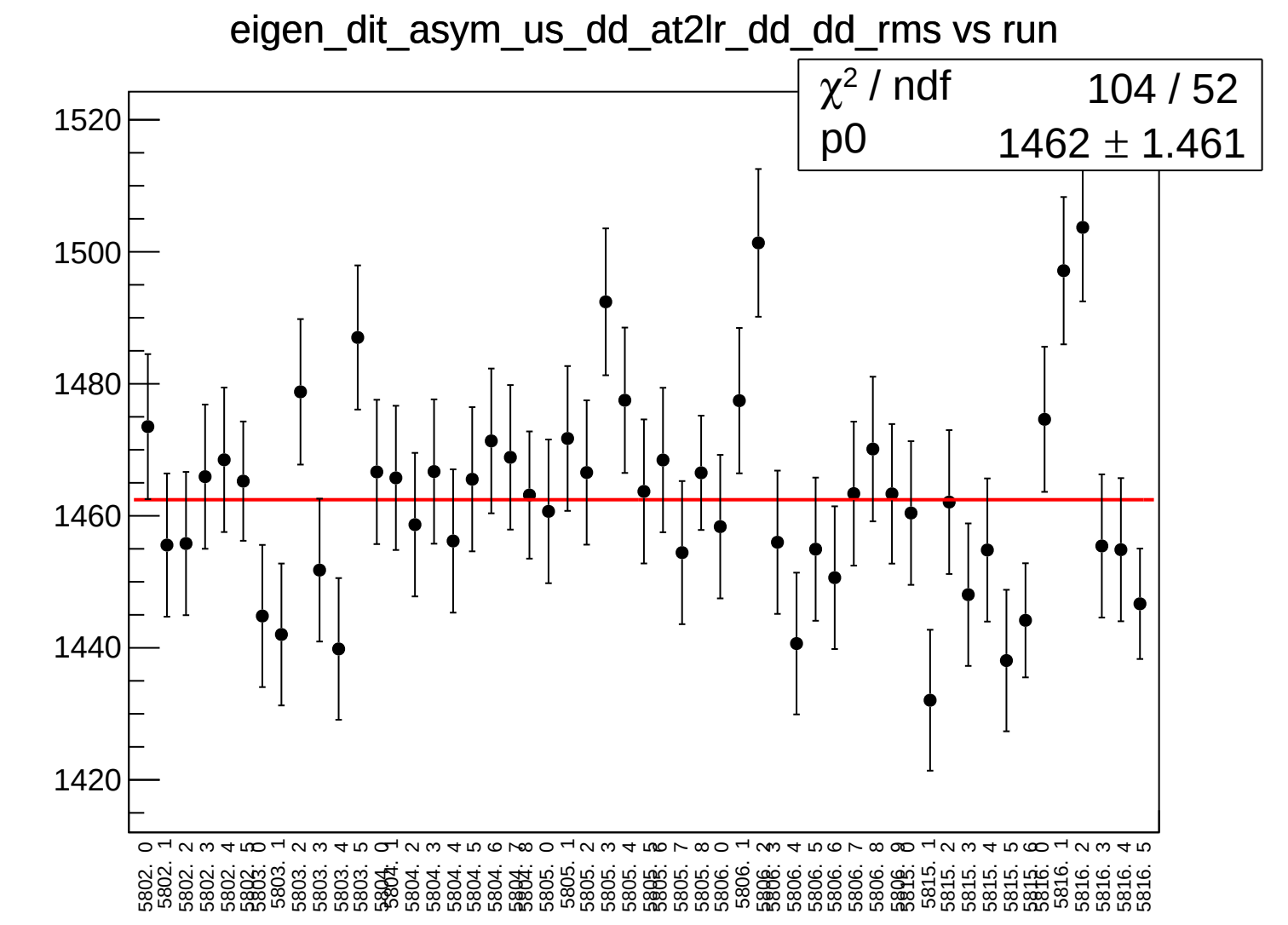

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 66.02 / 52
p0 −993.1± 1991
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −65.49
Std Dev 0
3
2
1
0
−1
−2

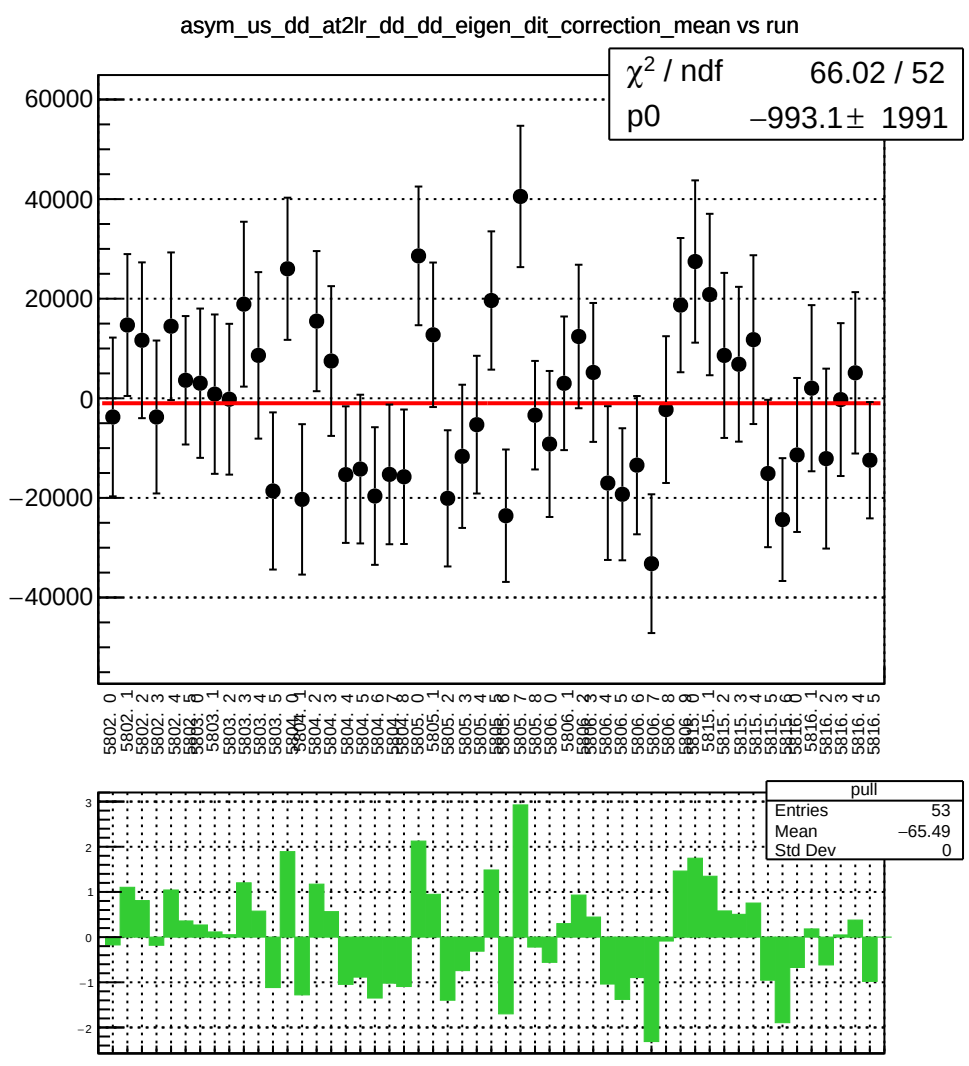

pull1D
Entries 53
Mean 0.0268
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

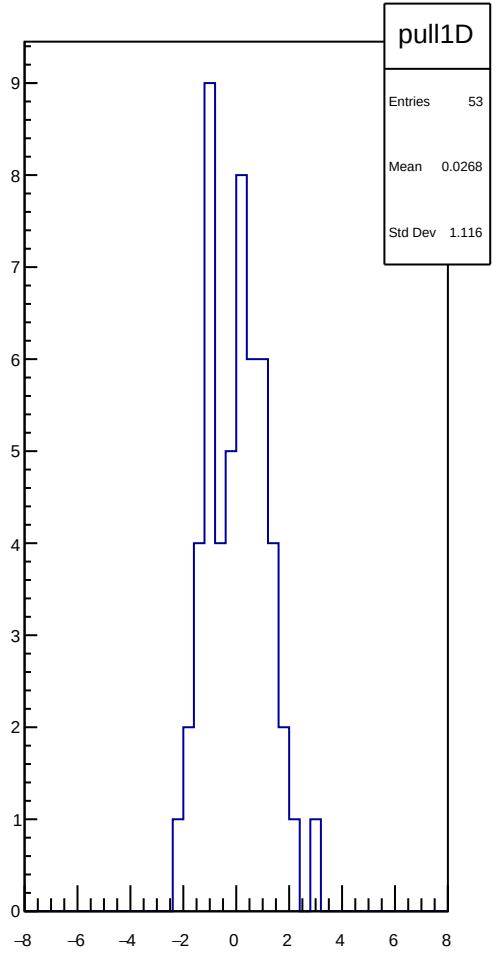

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 4754 / 52
p0 1405 ± 1.408
1700
1600
1500
1400
1300

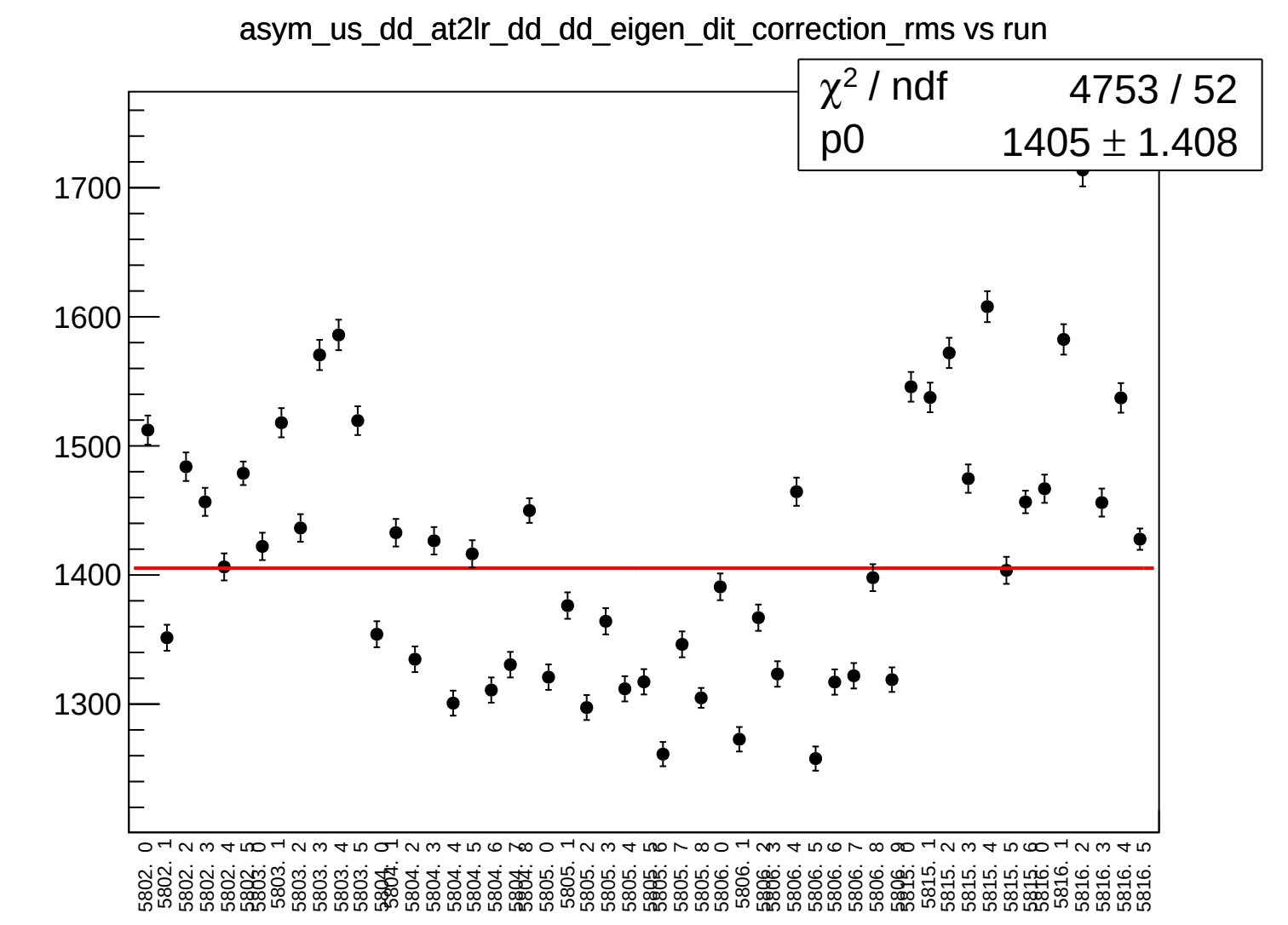

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 52.88 / 52
p0 1707 ± 2067
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −621.9
Std Dev 0
2
1
0
−1
−2

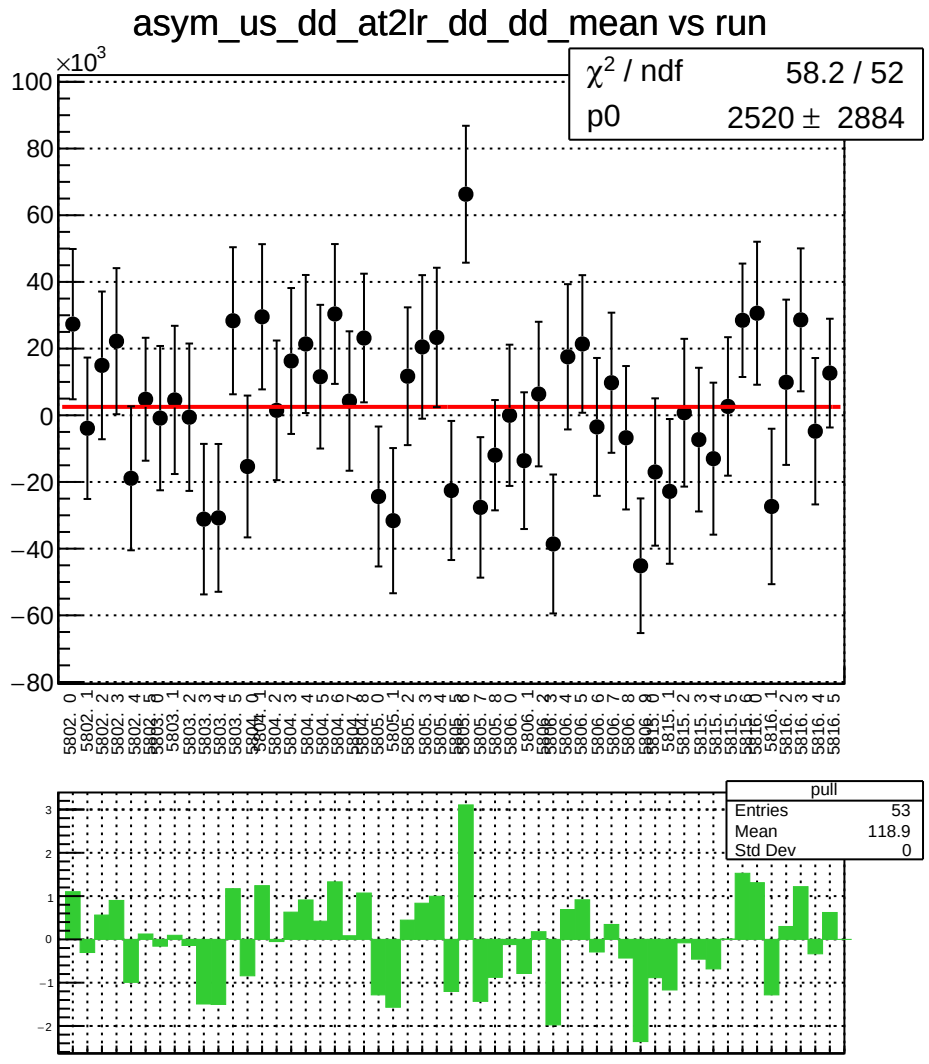

pull1D
Entries 53
Mean 0.005735
Std Dev 0.9989
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

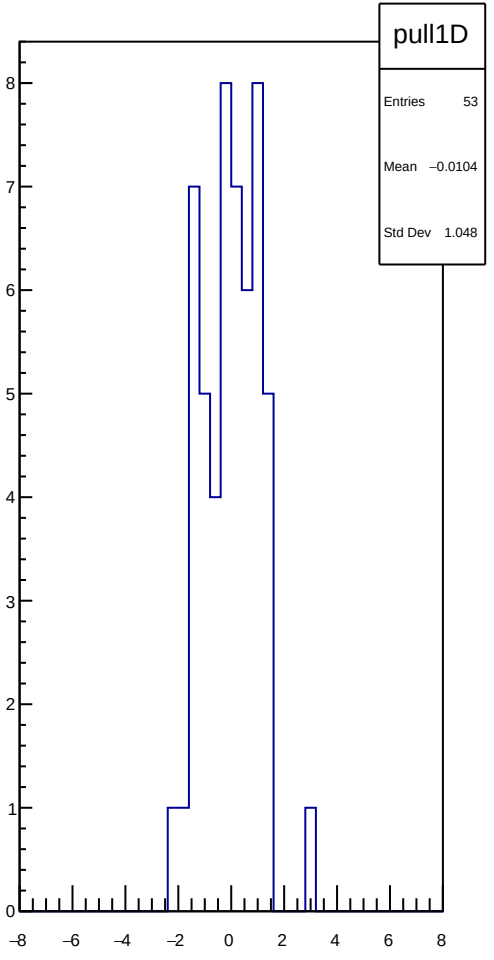

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 104 / 52
p0 1462 ± 1.461
1520
1500
1480
1460
1440
1420

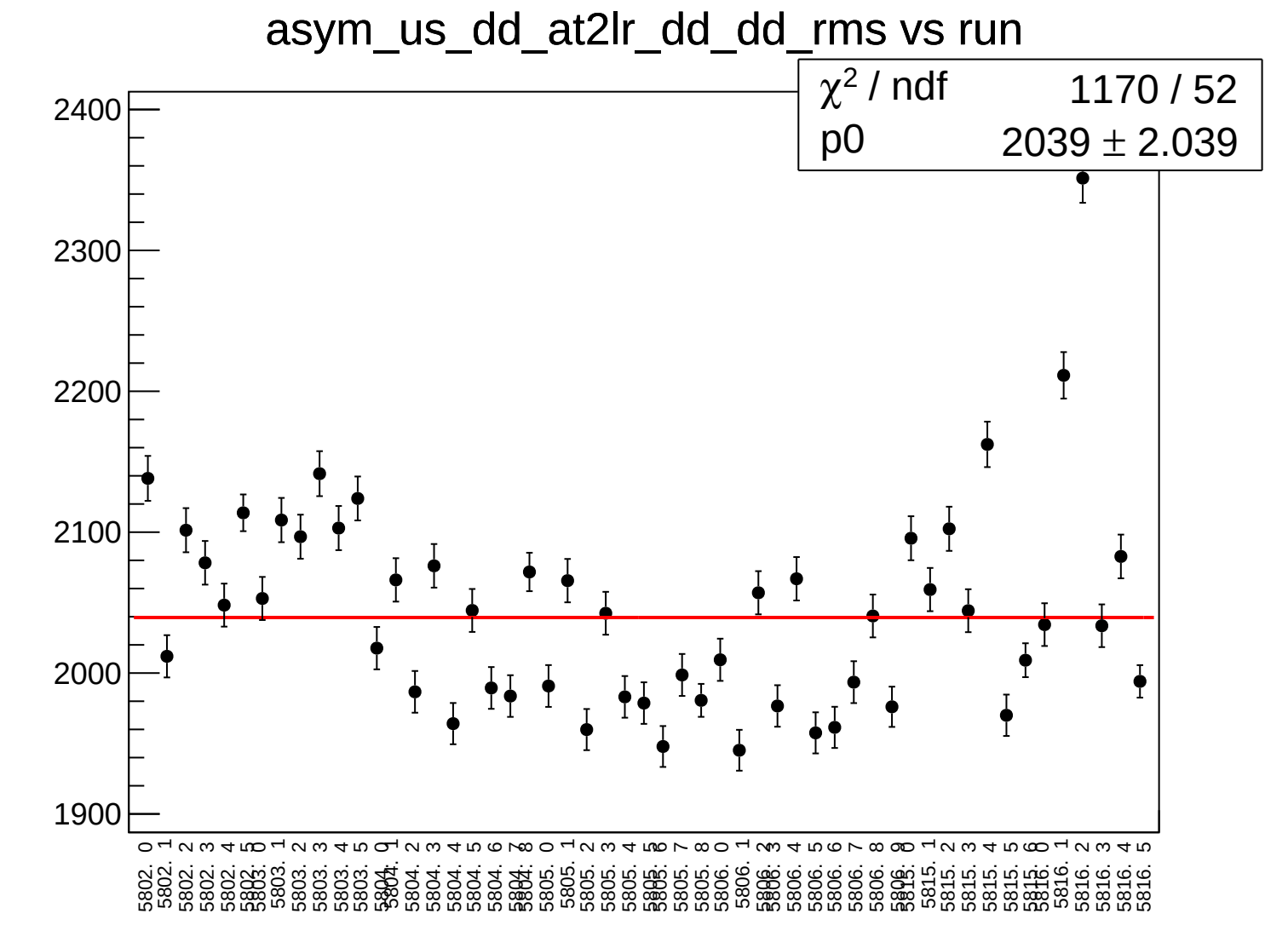

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.02 / 52
p0 −993.1± 1991
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −65.49
Std Dev 0

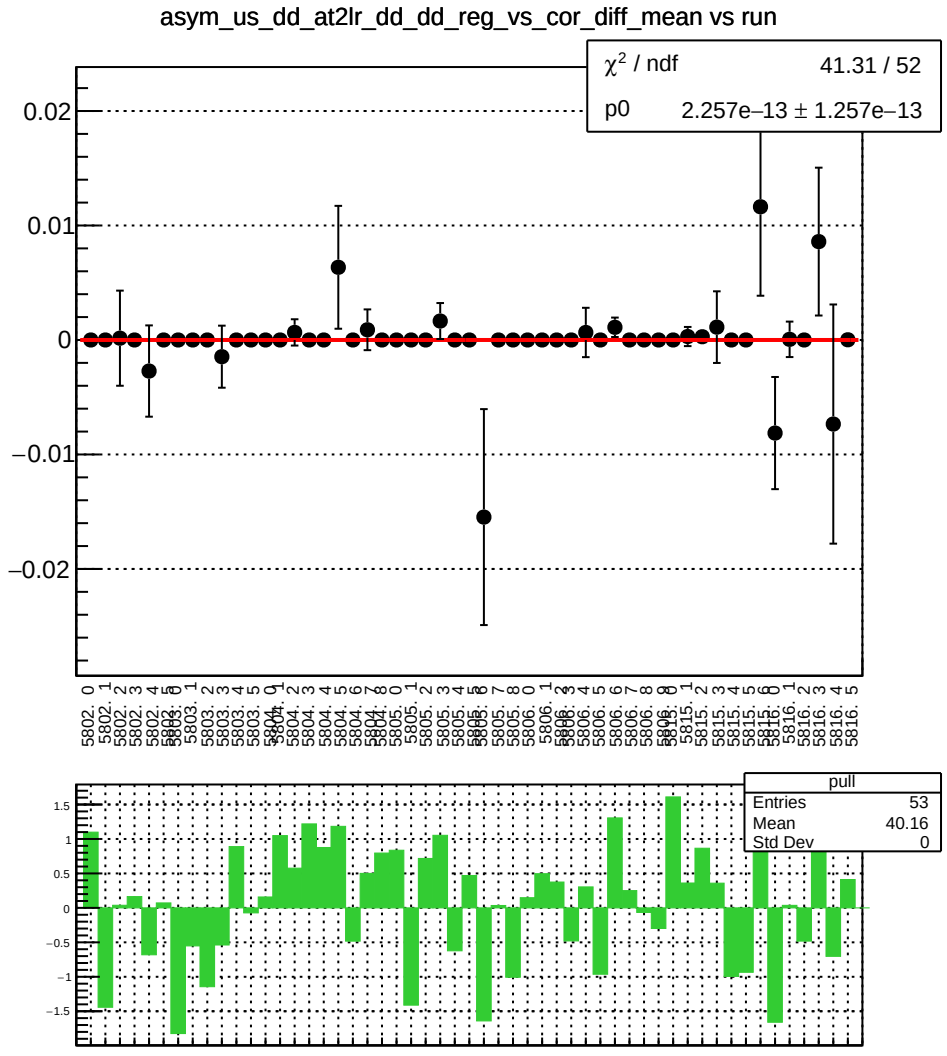

pull1D
Entries 53
Mean 0.0268
Std Dev 1.116

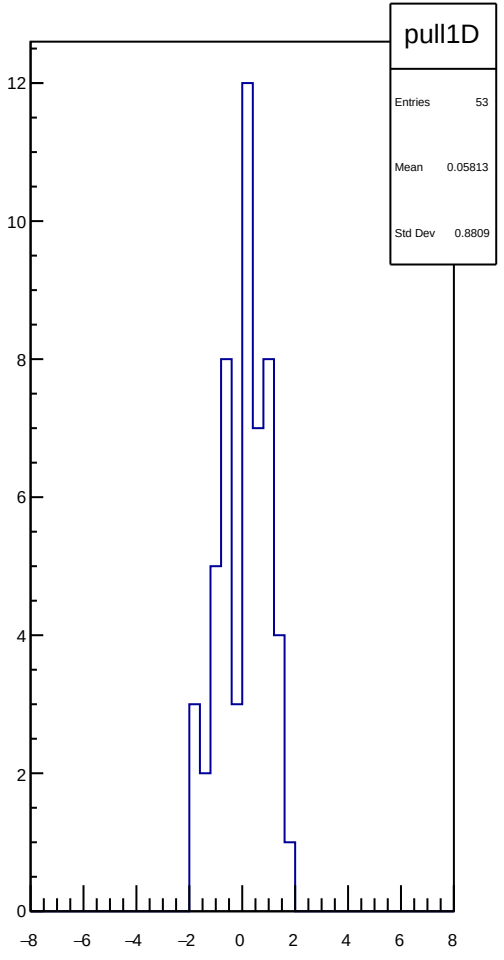

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4753 / 52
p0 1405 ± 1.408
1700
1600
1500
1400
1300

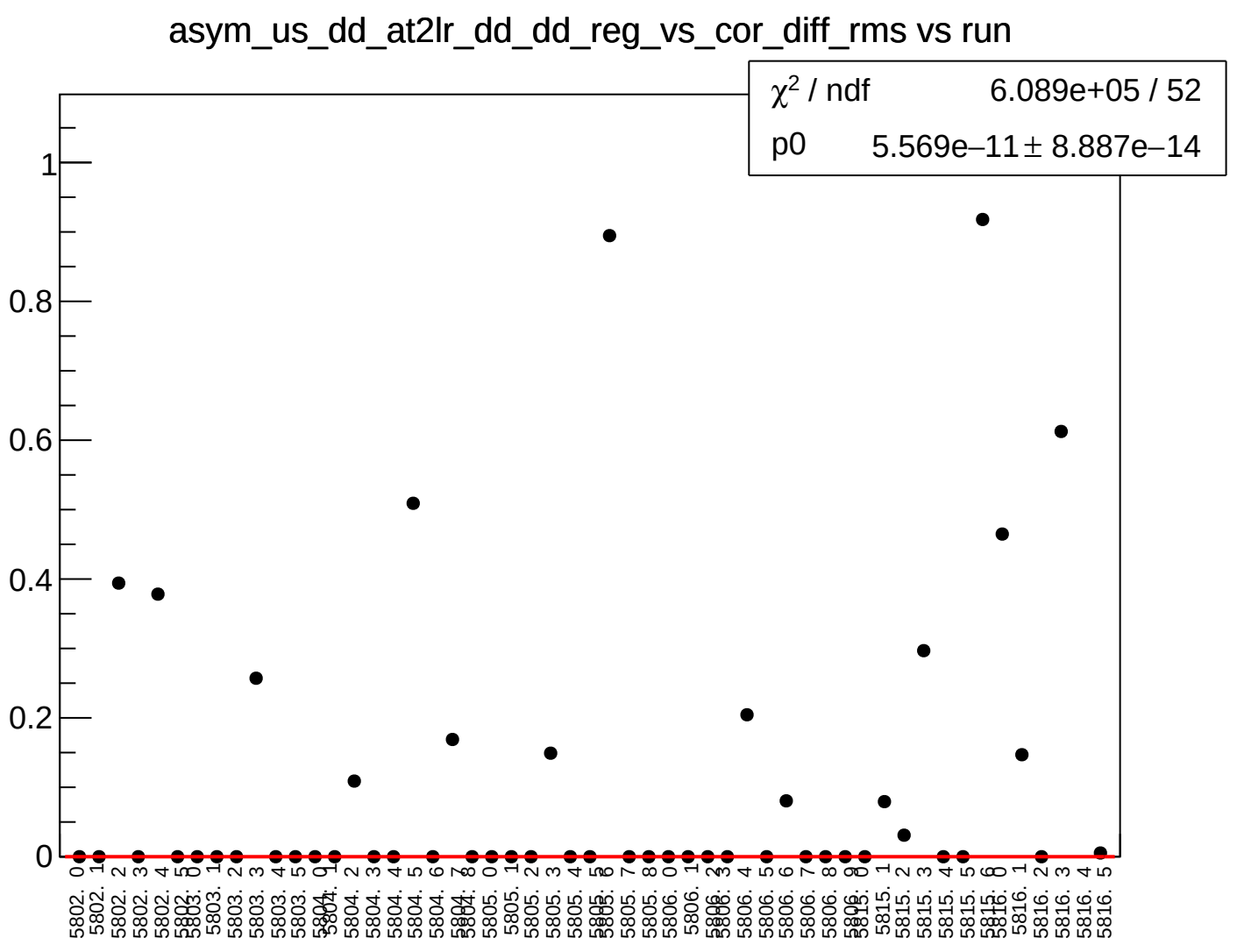

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 58.2 / 52
p0 2520 ± 2884
pull
Entries 53
Mean 118.9
Std Dev 0

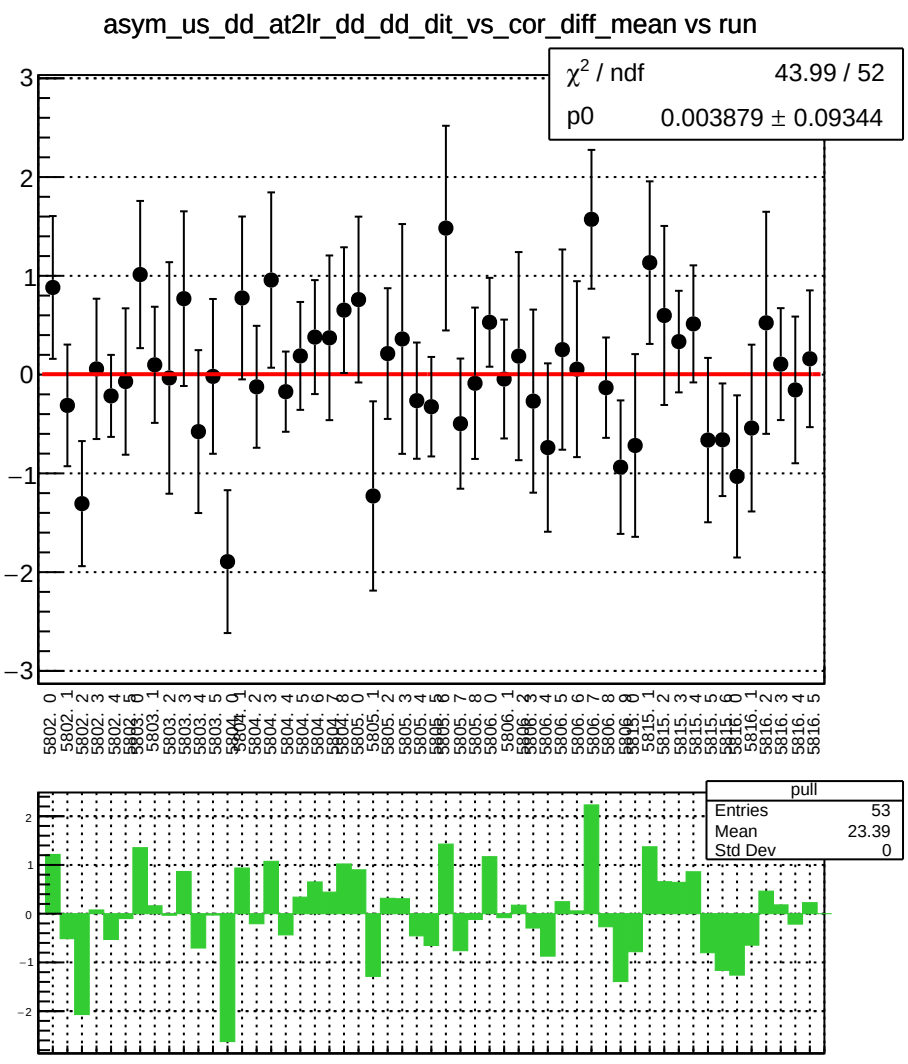

pull1D
Entries 53
Mean −0.0104
Std Dev 1.048

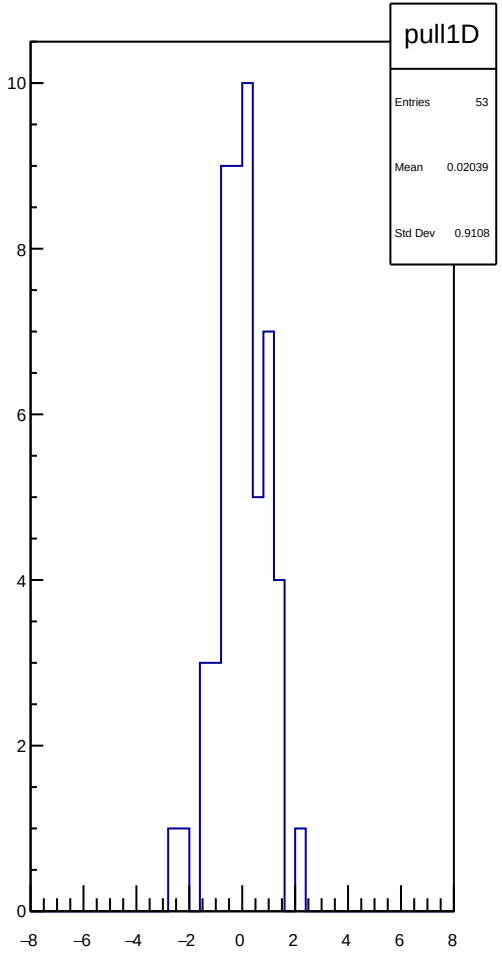

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1170 / 52
p0 2039 ± 2.039
2400
2300
2200
2100
2000
1900

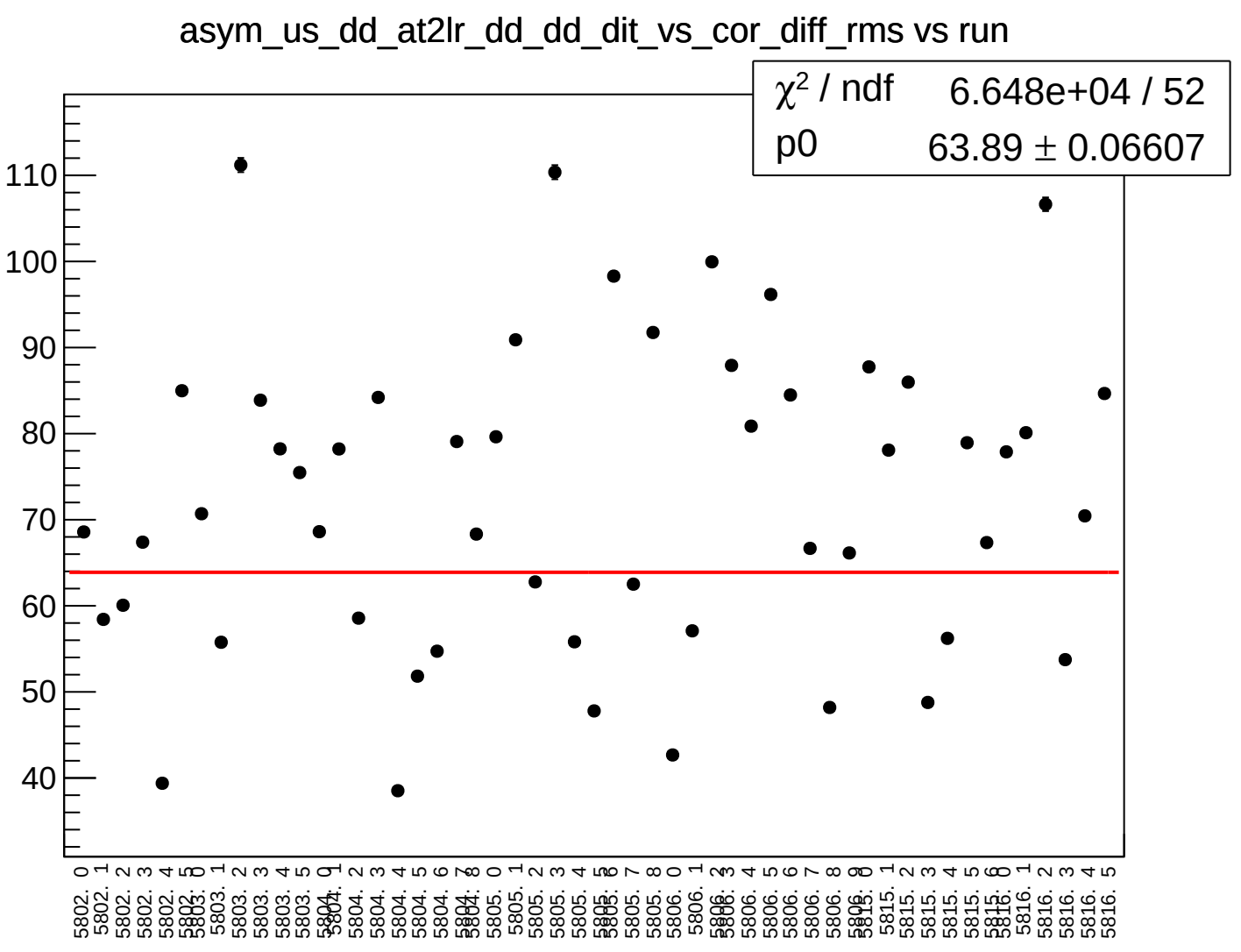

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.31 / 52
p0 2.257e−13 ± 1.257e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean 40.16
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

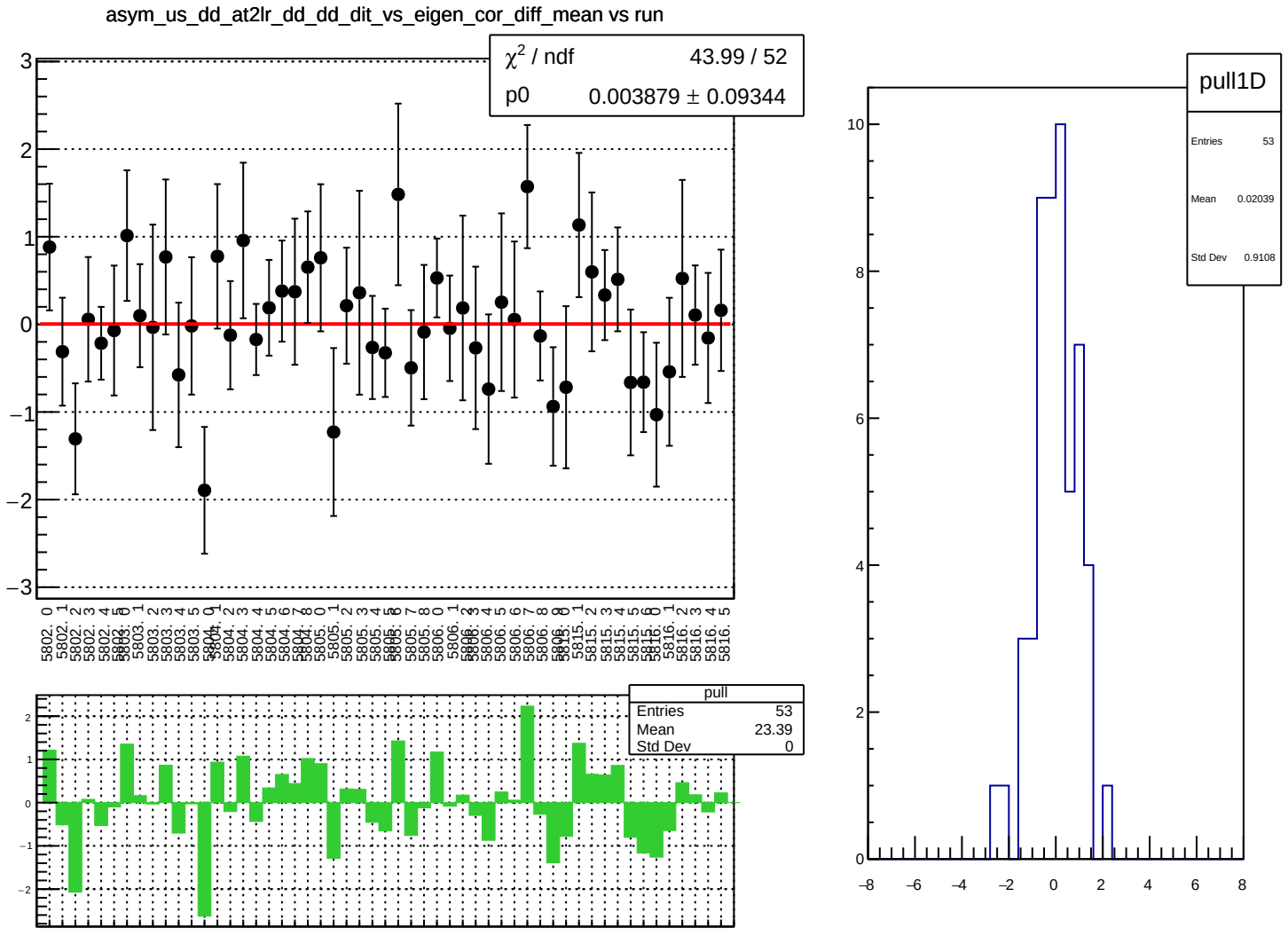

pull1D
Entries 53
Mean 0.05813
Std Dev 0.8809
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

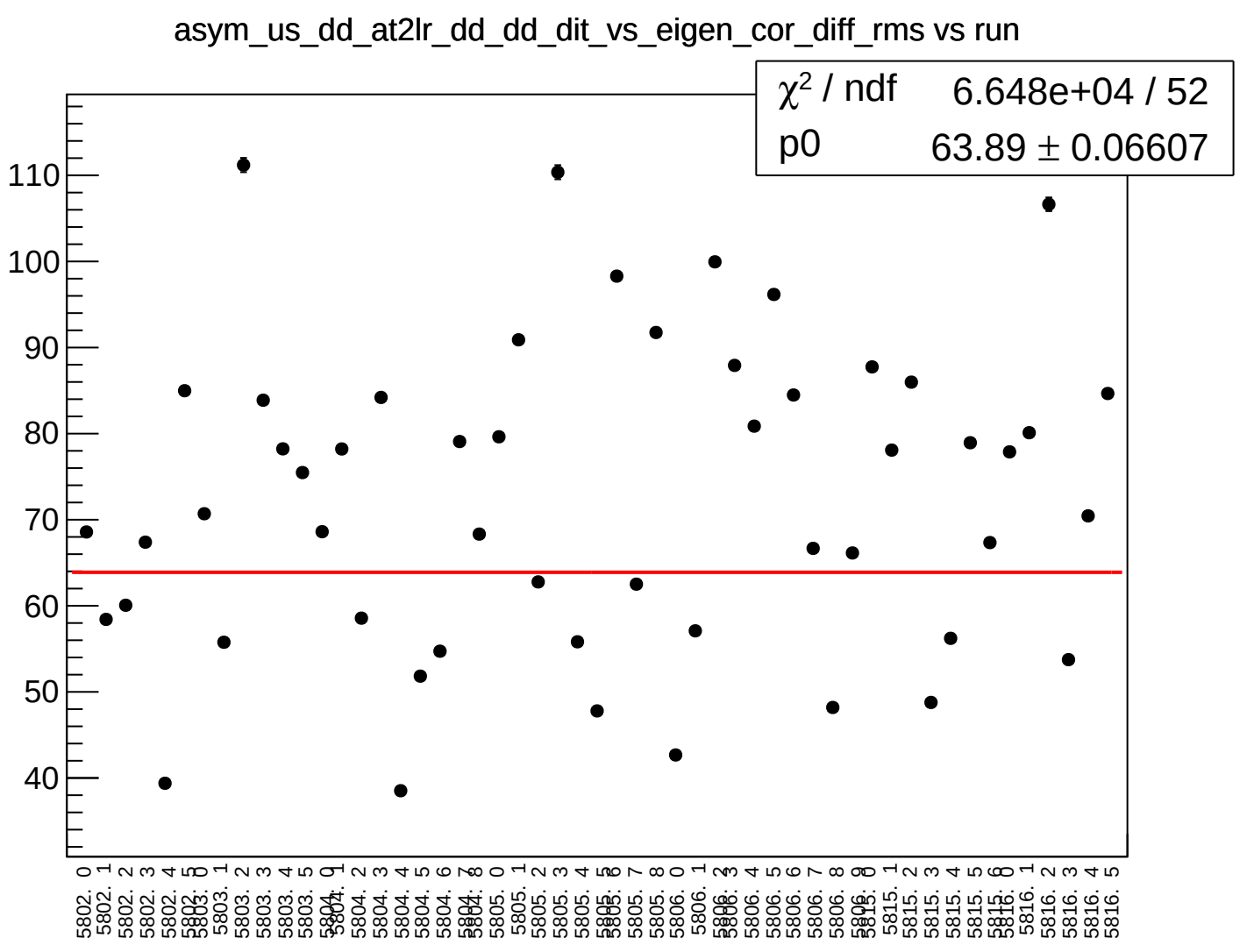

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.089e+05 / 52
p0 5.569e−11 ± 8.887e−14
1
0.8
0.6
0.4
0.2
0

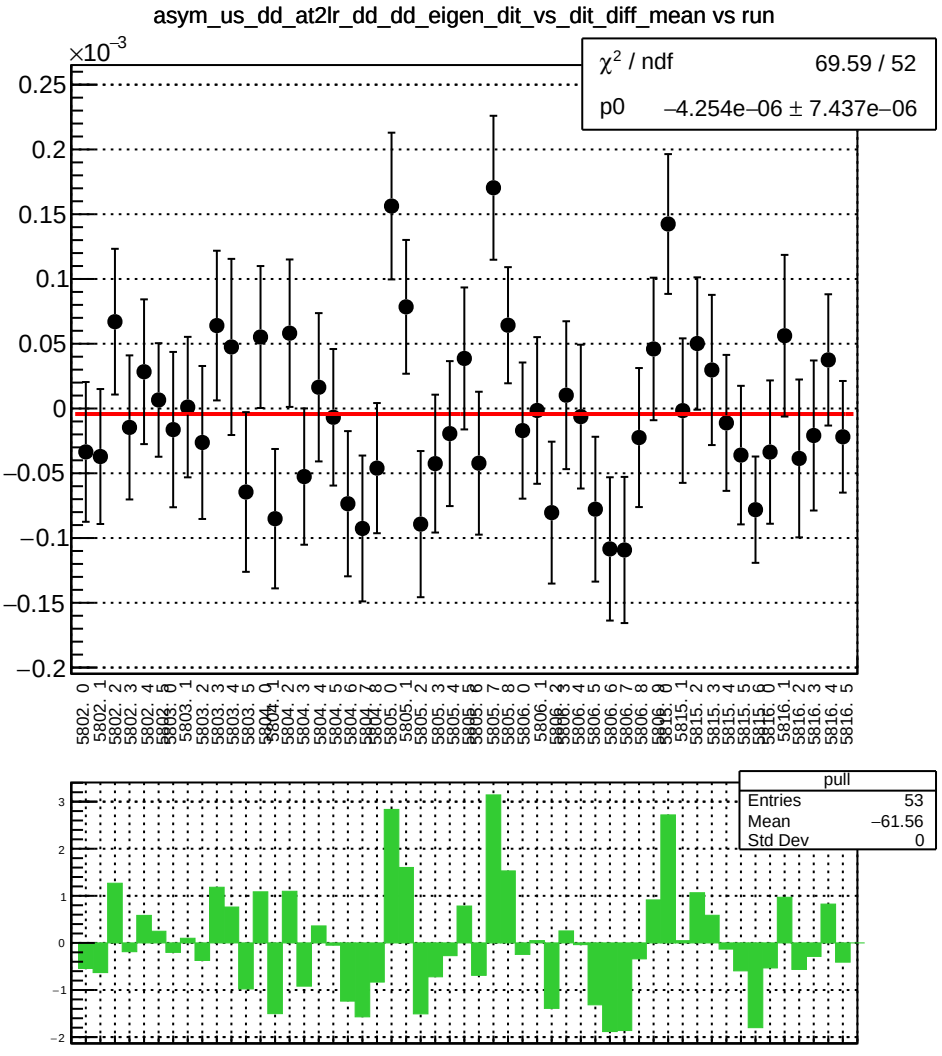

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.99 / 52
p0 0.003879 ± 0.09344
pull
Entries 53
Mean 23.39
Std Dev 0

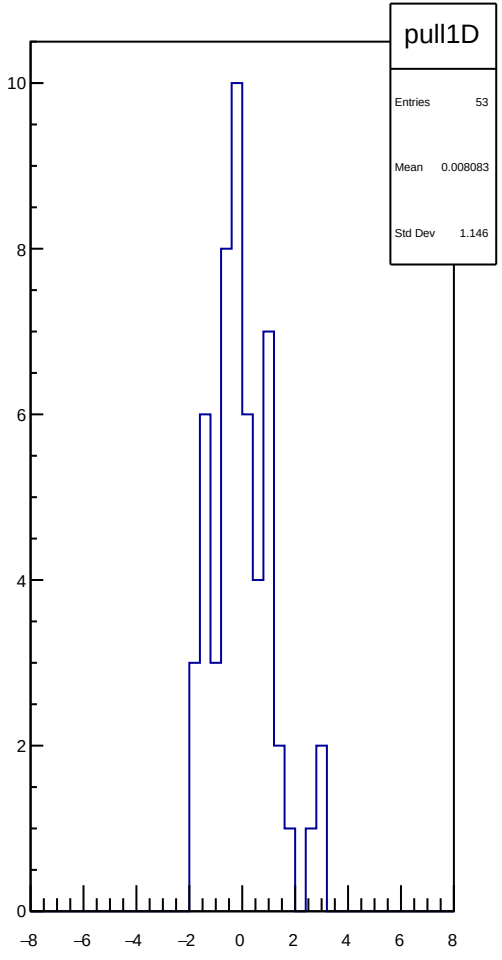

pull1D
Entries 53
Mean 0.02039
Std Dev 0.9108

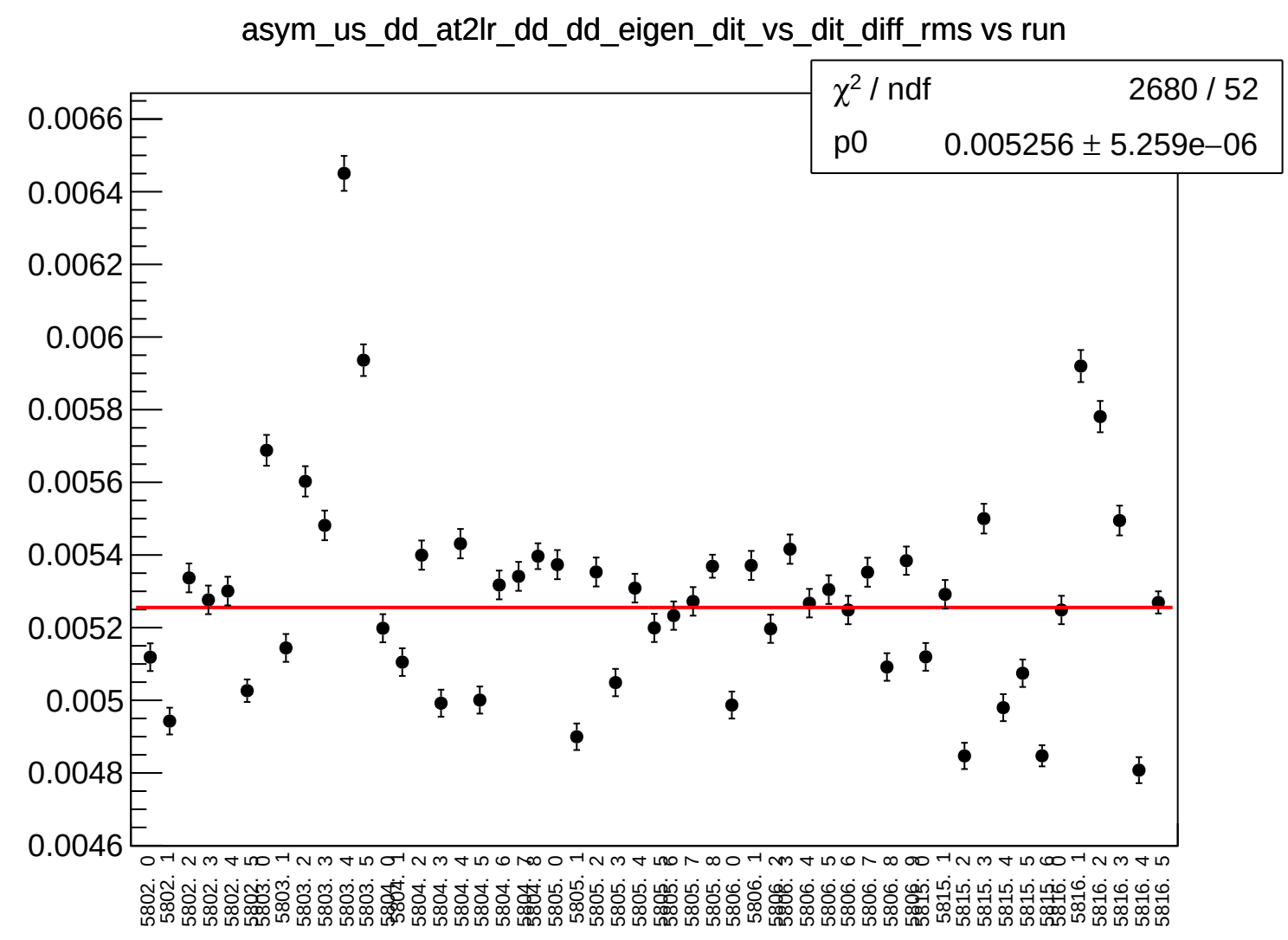

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.648e+04 / 52
p0 63.89 ± 0.06607
110
100
90
80
70
60
50
40

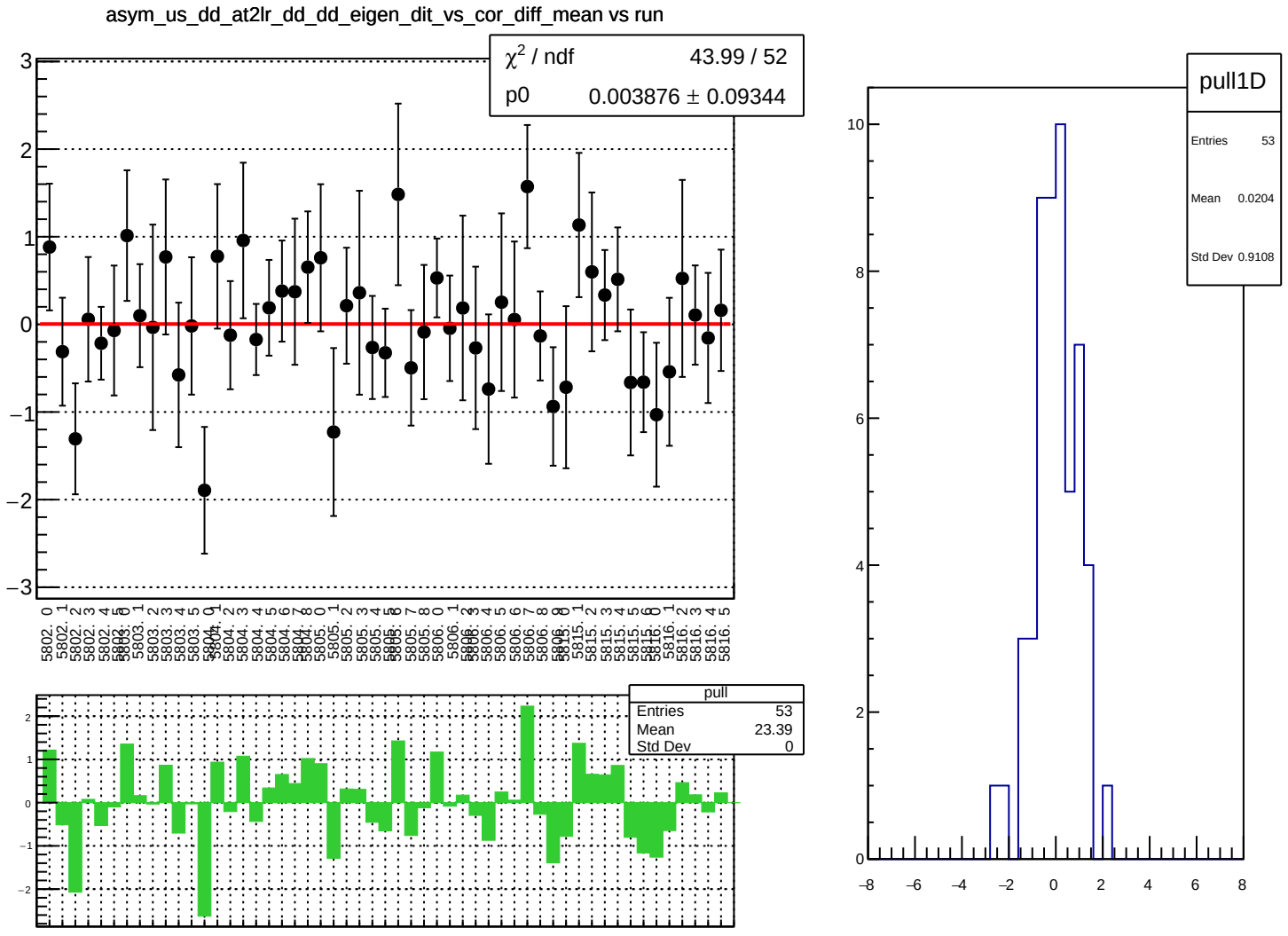

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.99 / 52
p0 0.003879 ± 0.09344
pull
Entries 53
Mean 23.39
Std Dev 0
pull1D
Entries 53
Mean 0.02039
Std Dev 0.9108

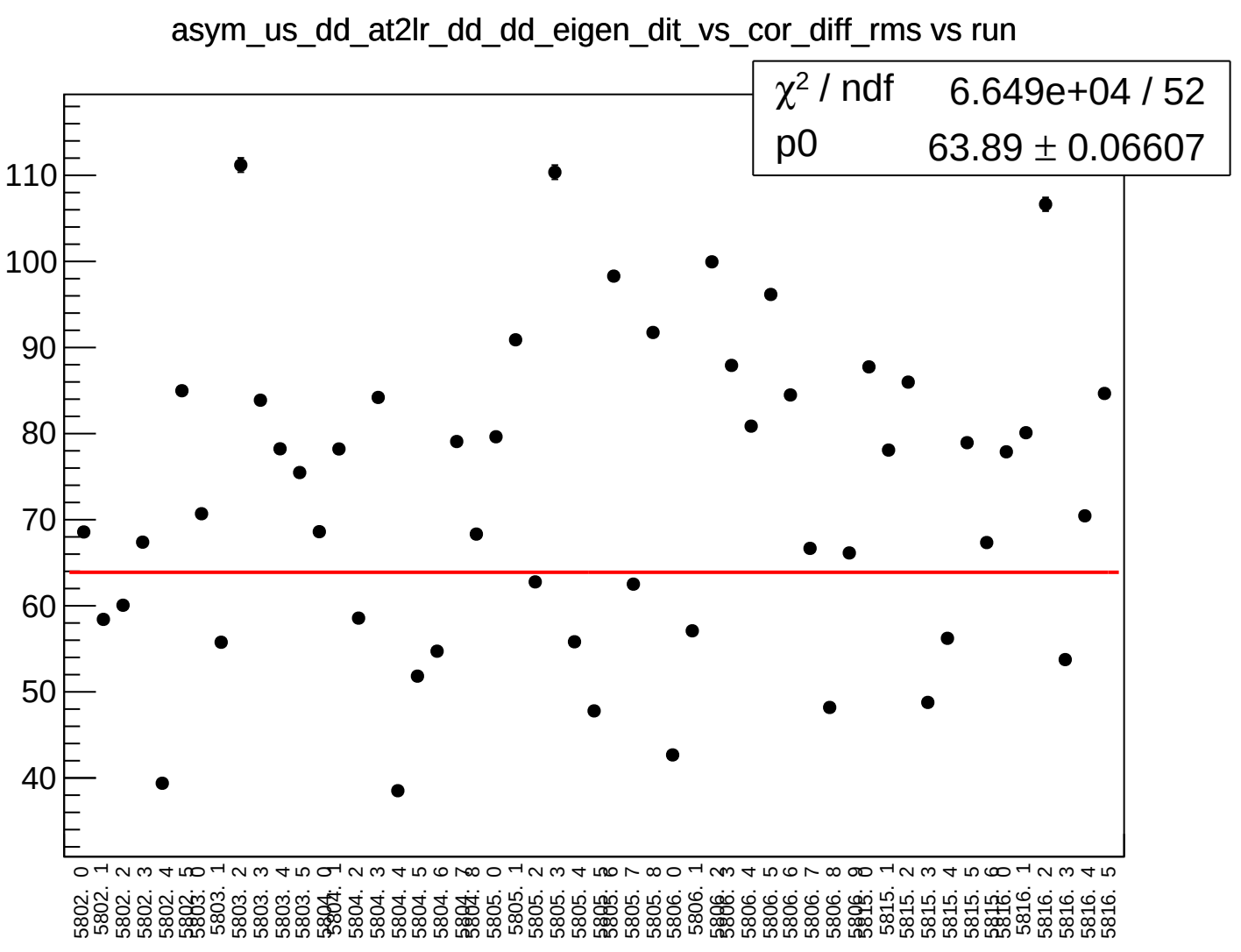

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.648e+04 / 52
p0 63.89 ± 0.06607
110
100
90
80
70
60
50
40

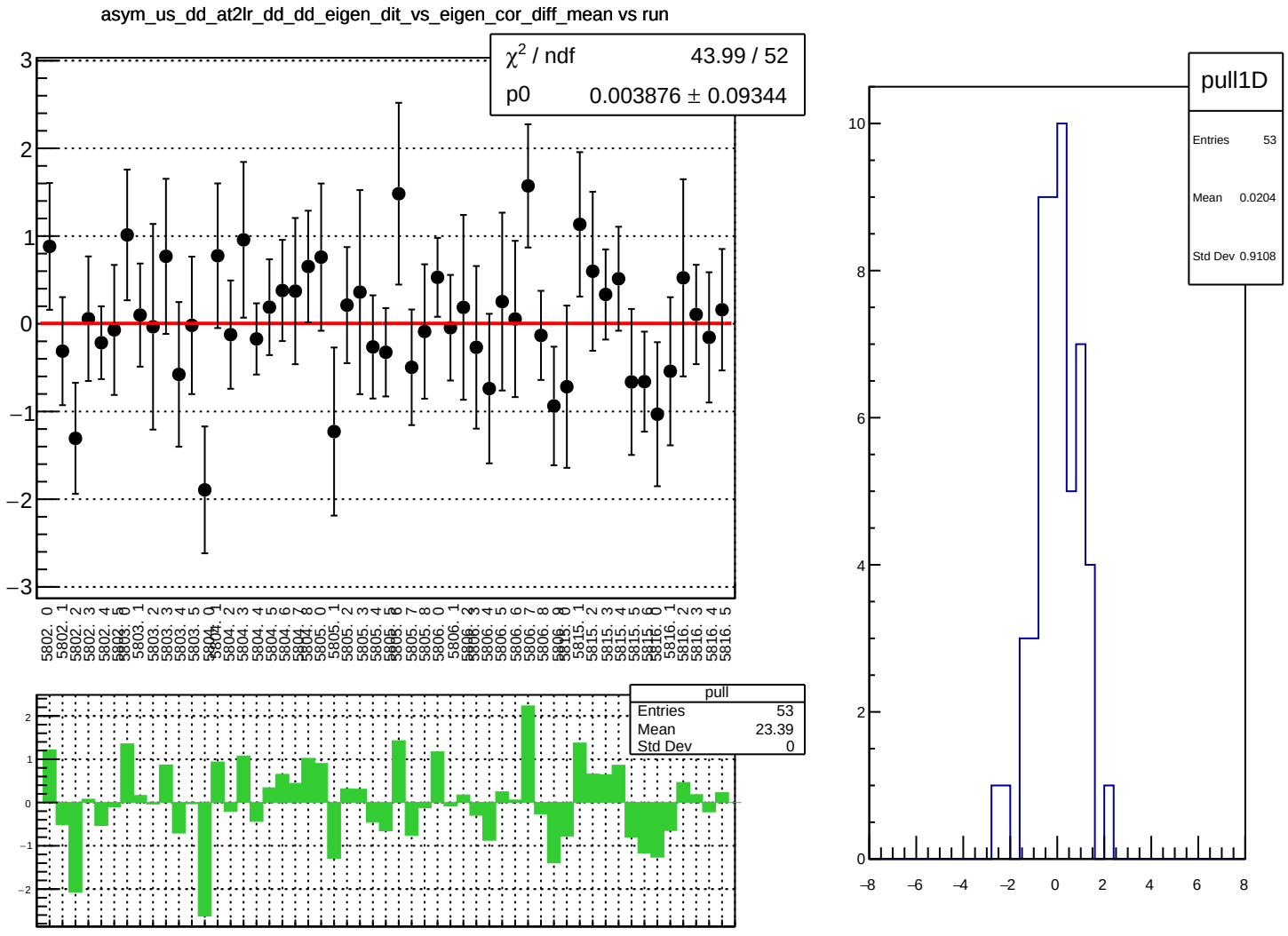

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.59 / 52
p0 −4.254e−06 ± 7.437e−06
pull
Entries 53
Mean −61.56
Std Dev 0

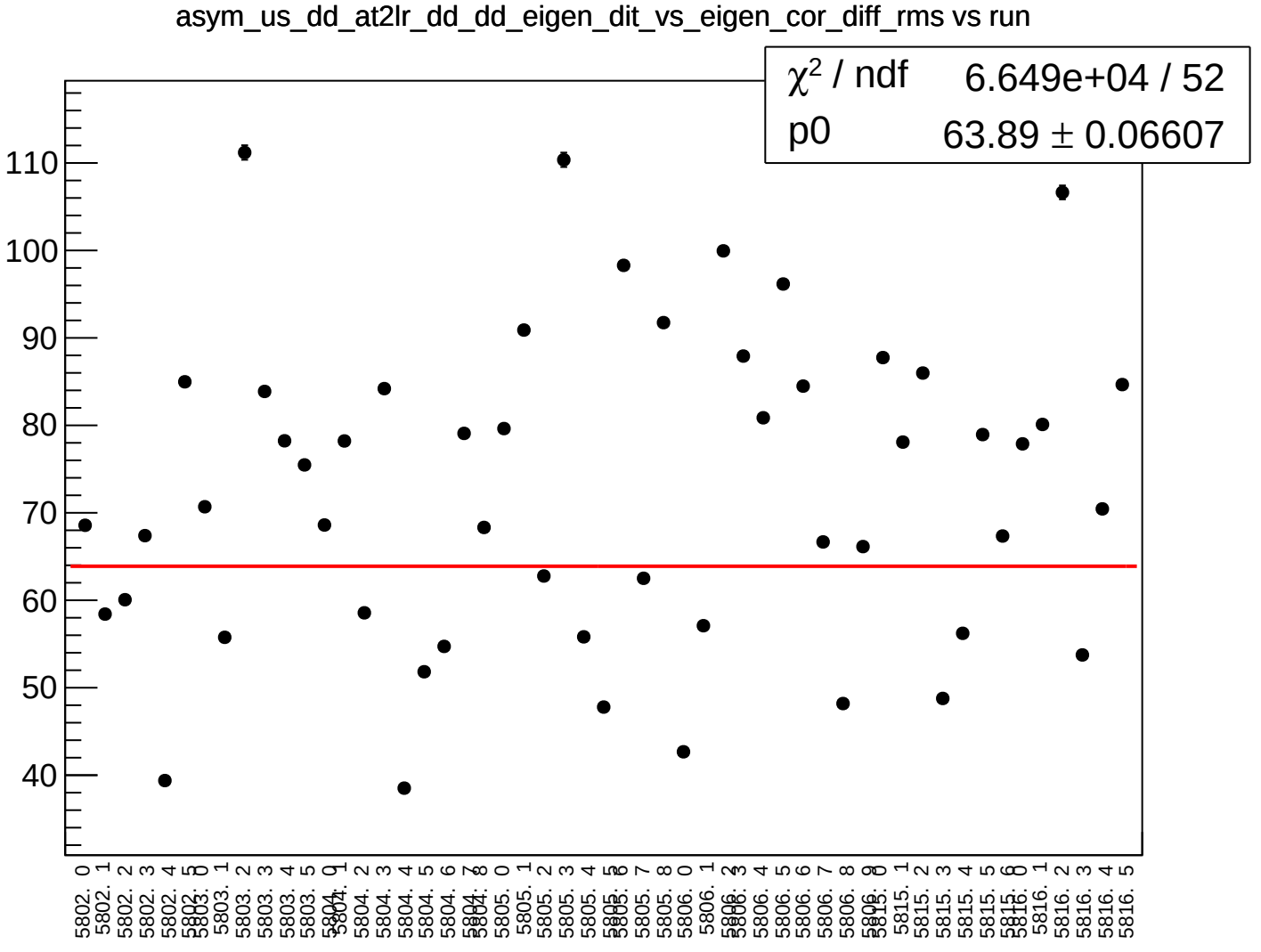

pull1D
Entries 53
Mean 0.008083
Std Dev 1.146

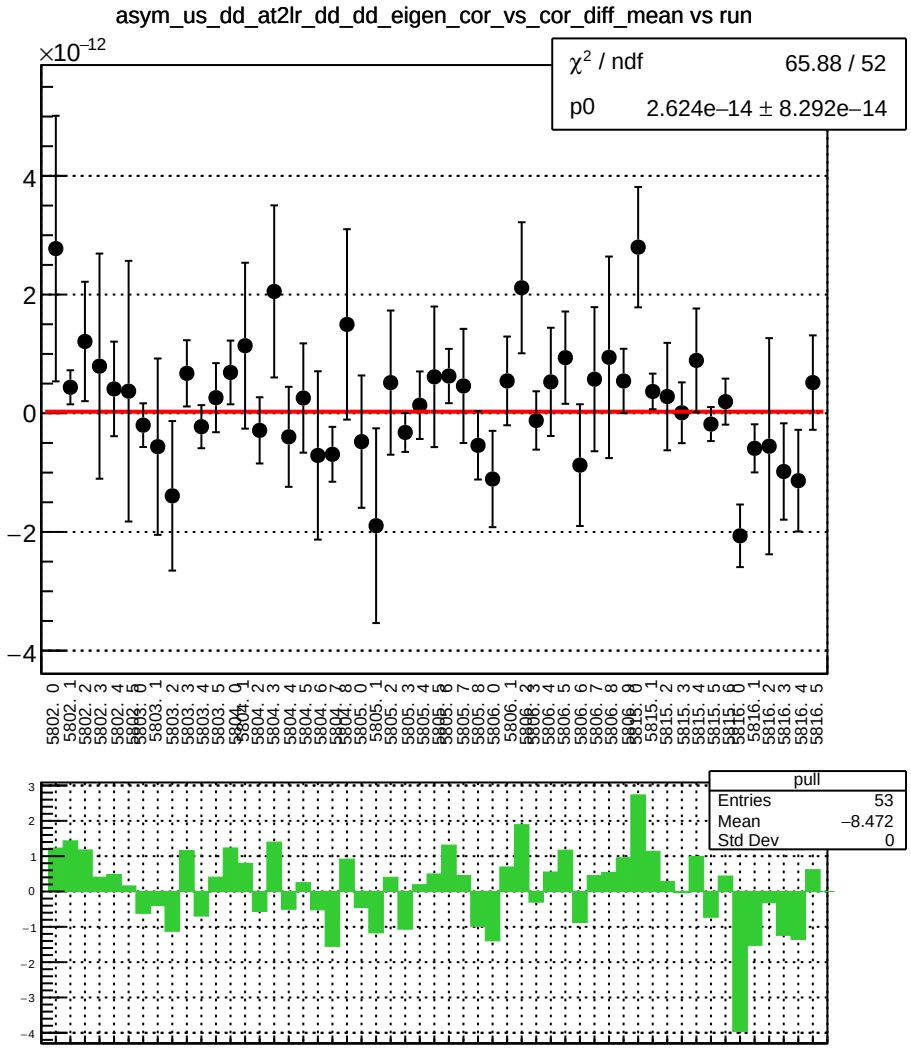

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2680 / 52
p0 0.005256 ± 5.259e−06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

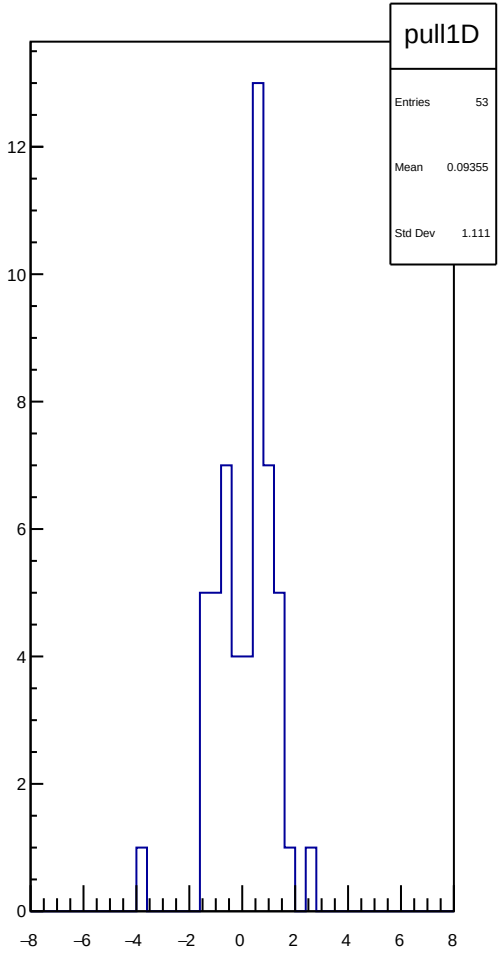

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.99 / 52
p0 0.003876 ± 0.09344
pull
Entries 53
Mean 23.39
Std Dev 0
pull1D
Entries 53
Mean 0.0204
Std Dev 0.9108

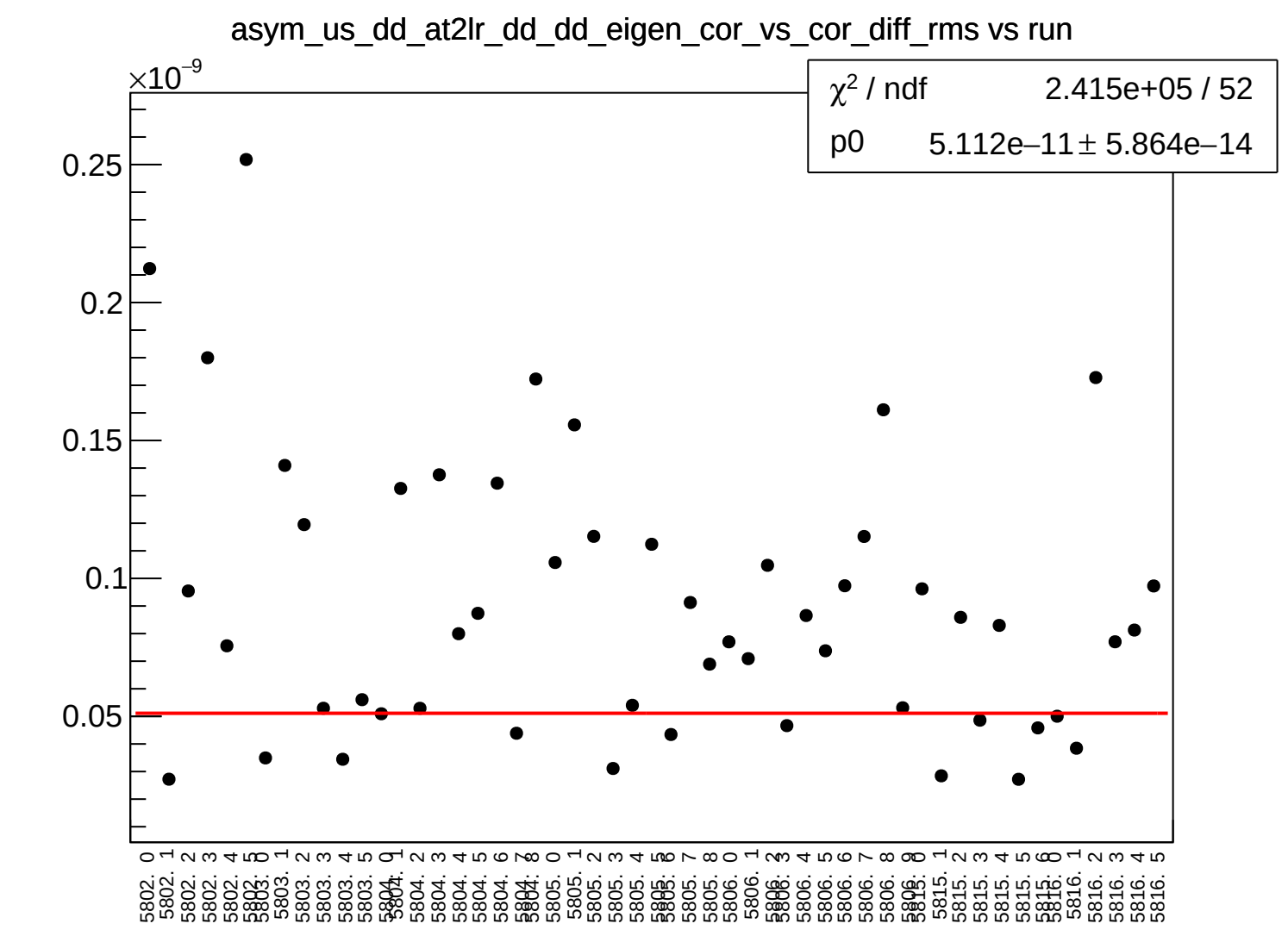

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.649e+04 / 52
p0 63.89 ± 0.06607
110
100
90
80
70
60
50
40

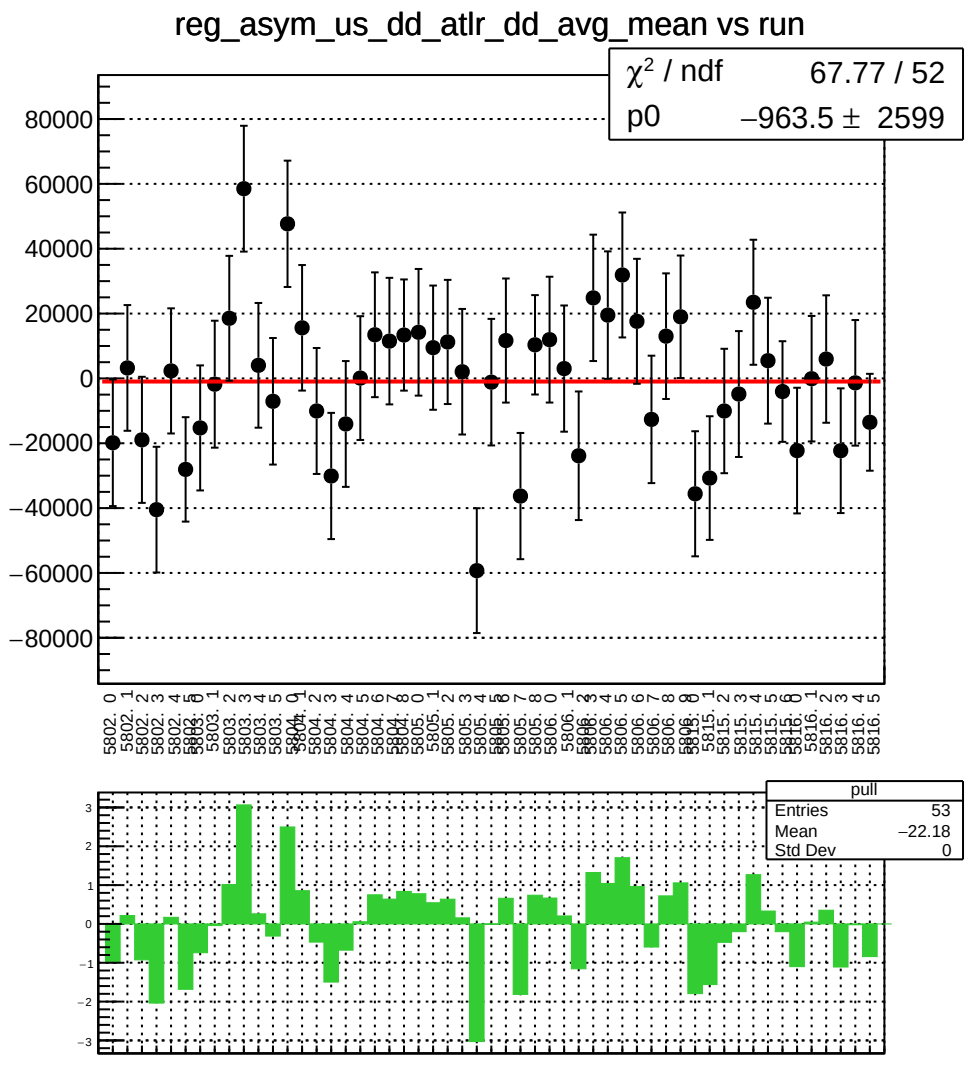

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.99 / 52
p0 0.003876 ± 0.09344
pull
Entries 53
Mean 23.39
Std Dev 0
pull1D
Entries 53
Mean 0.0204
Std Dev 0.9108

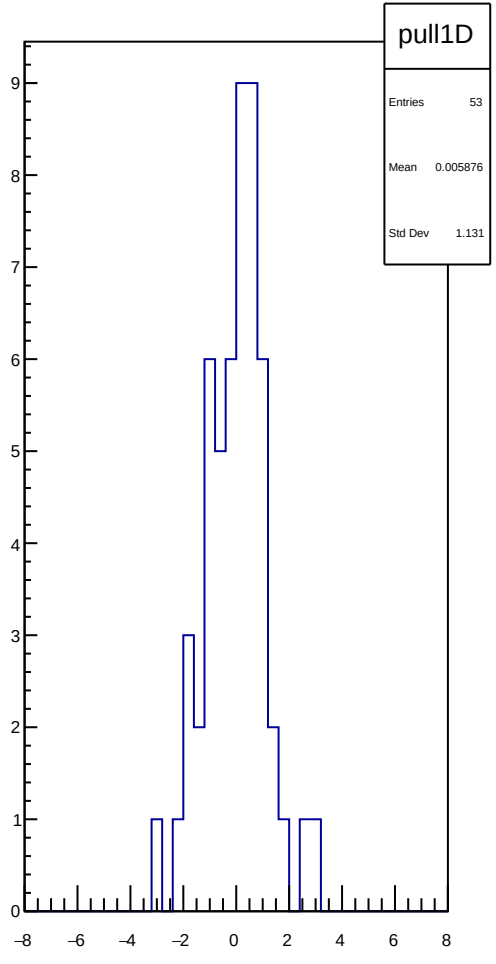

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.649e+04 / 52
p0 63.89 ± 0.06607
110
100
90
80
70
60
50
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

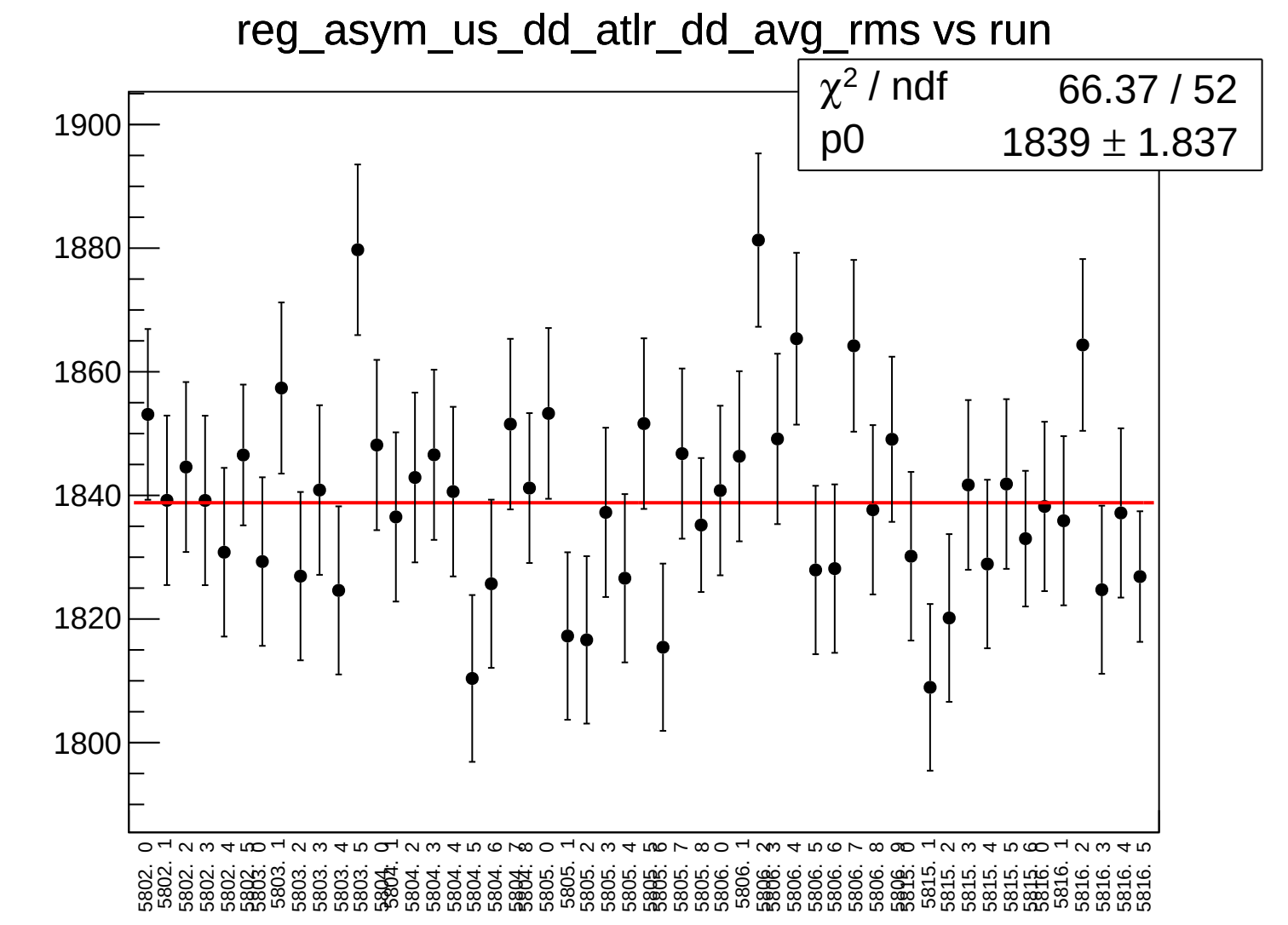

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.88 / 52
p0 2.624e−14 ± 8.292e−14
pull
Entries 53
Mean −8.472
Std Dev 0

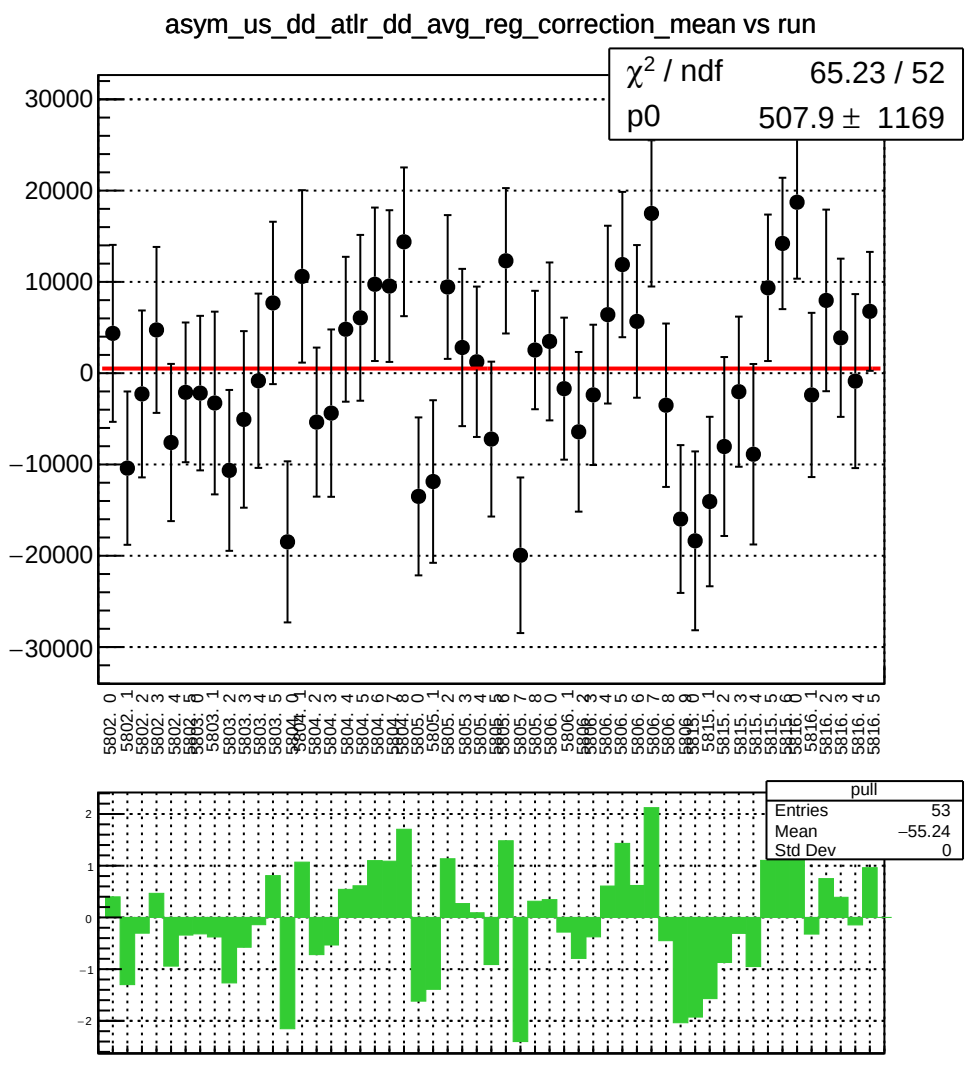

pull1D
Entries 53
Mean 0.09355
Std Dev 1.111

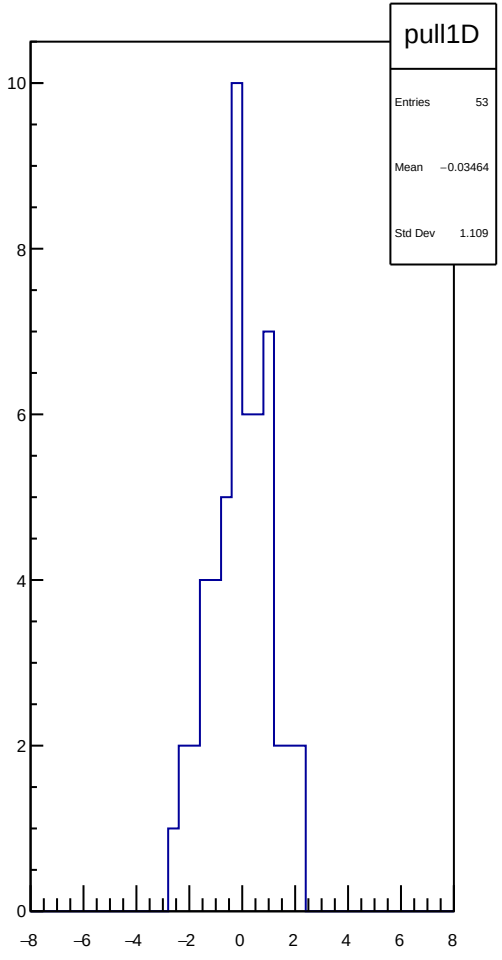

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.415e+05 / 52
p0 5.112e−11 ± 5.864e−14
0.25
0.2
0.15
0.1
0.05

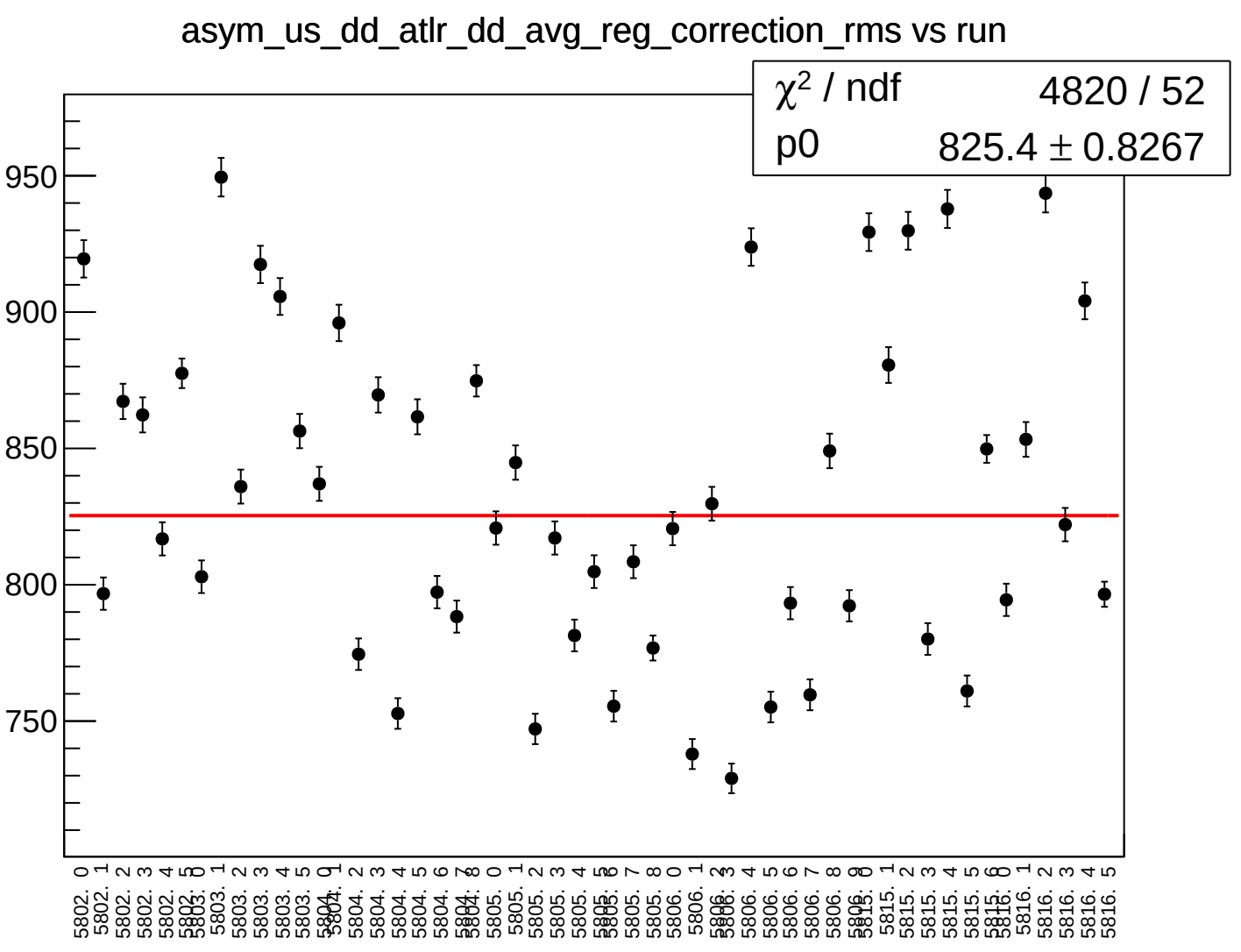

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.77 / 52
p0 −963.5 ± 2599
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −22.18
Std Dev 0
3
2
1
0
−1
−2
−3

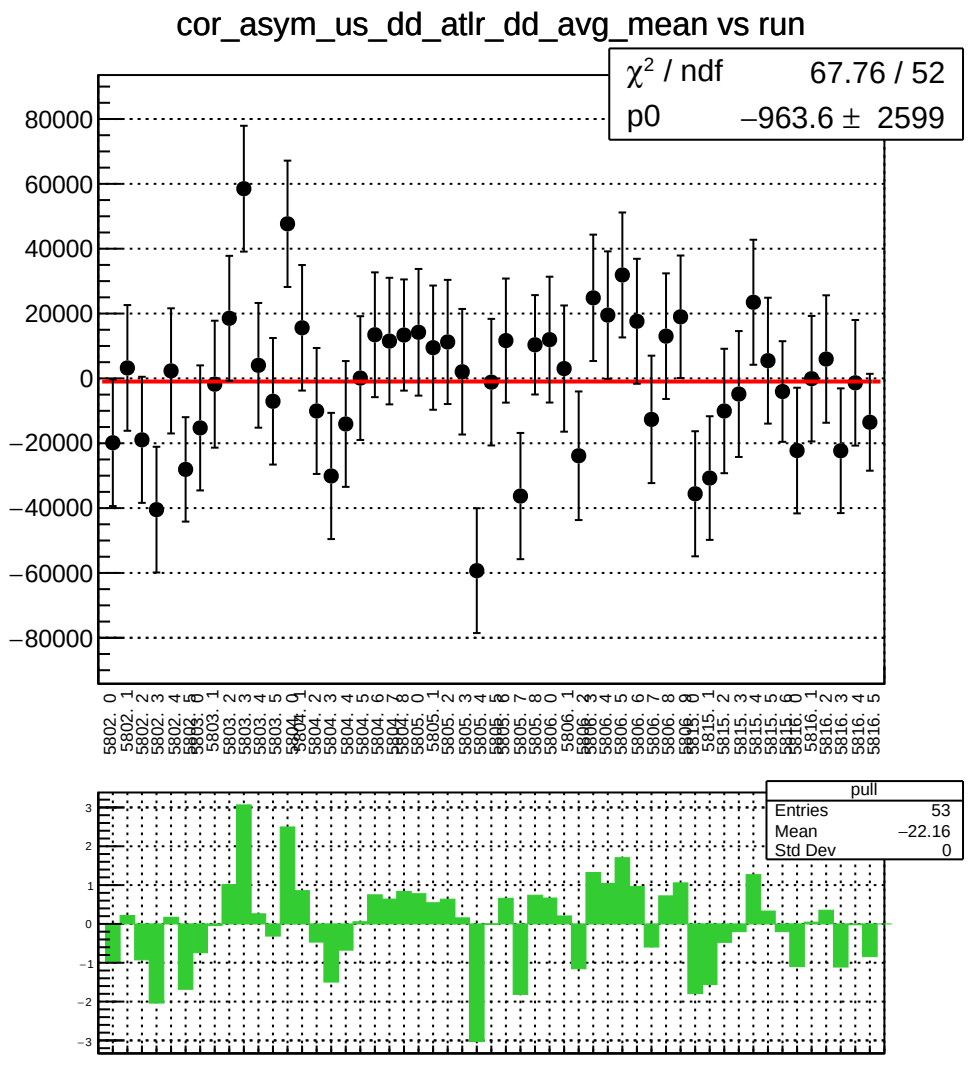

pull1D
Entries 53
Mean 0.005876
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

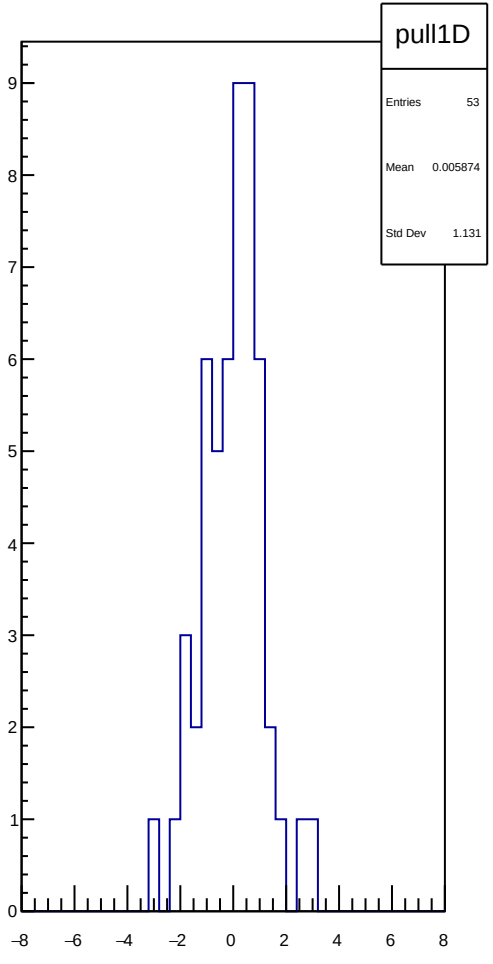

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 66.37 / 52
p0 1839 ± 1.837
1900
1880
1860
1840
1820
1800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

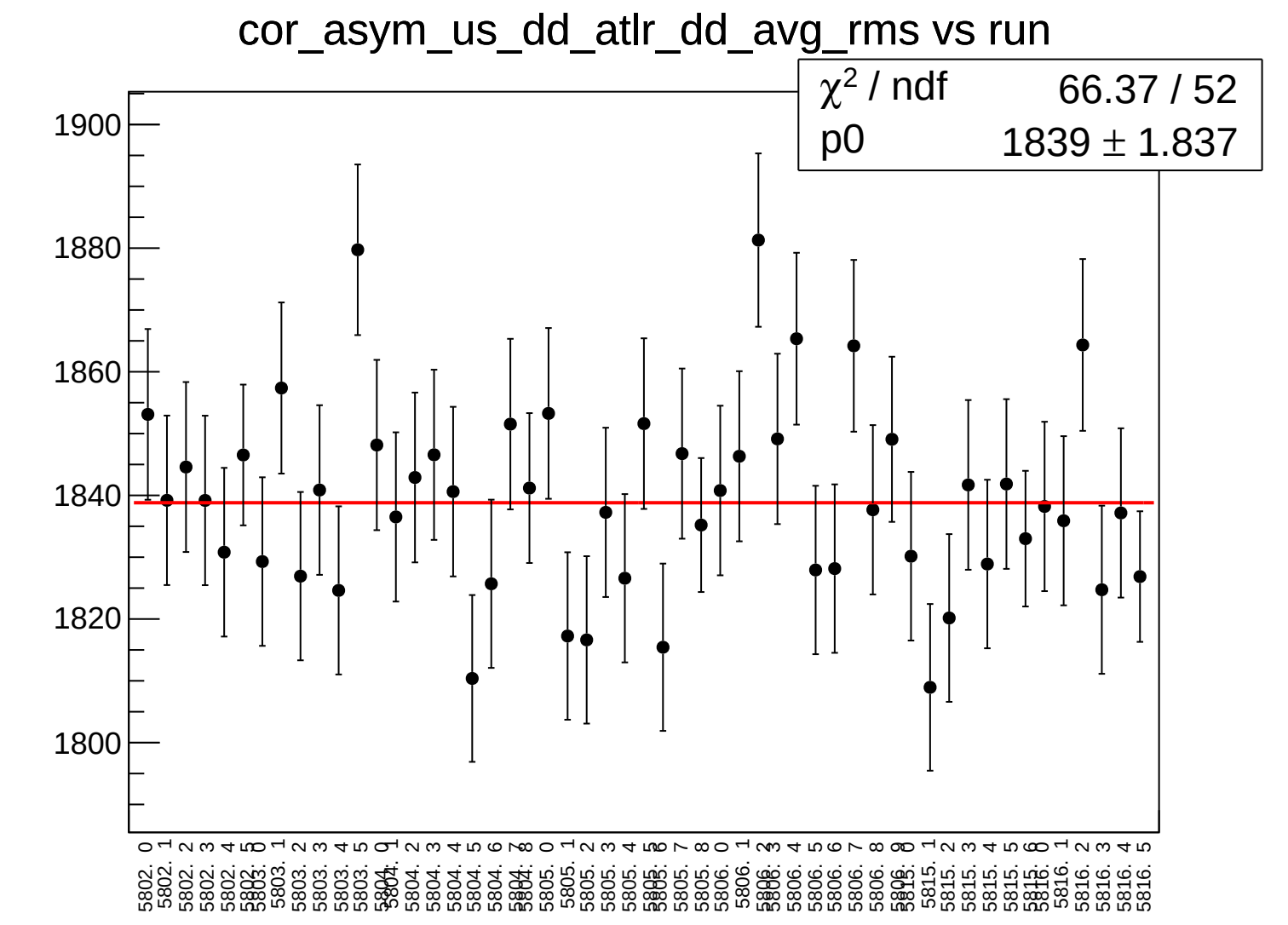

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 65.23 / 52
p0 507.9 ± 1169
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −55.24
Std Dev 0
2
1
0
−1
−2

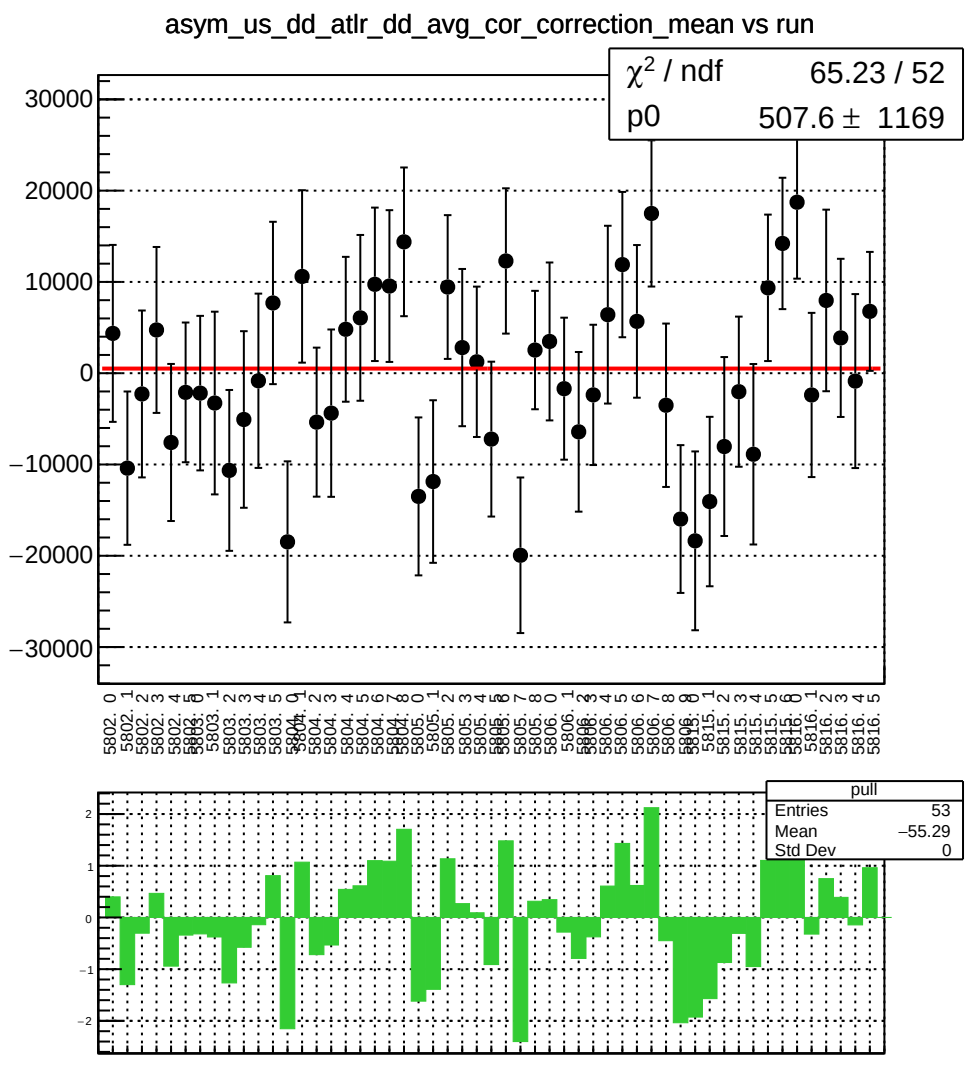

pull1D
Entries 53
Mean −0.03464
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

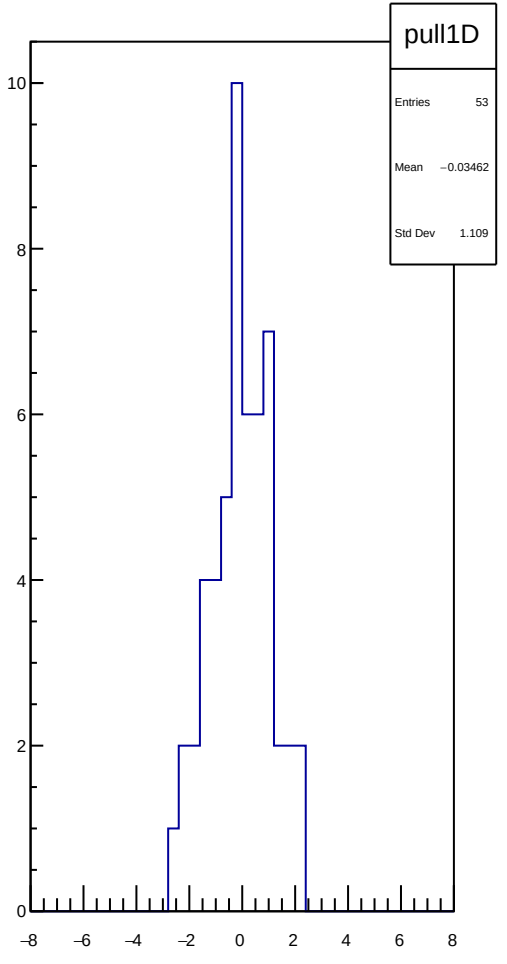

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4820 / 52
p0 825.4 ± 0.8267
950
900
850
800
750

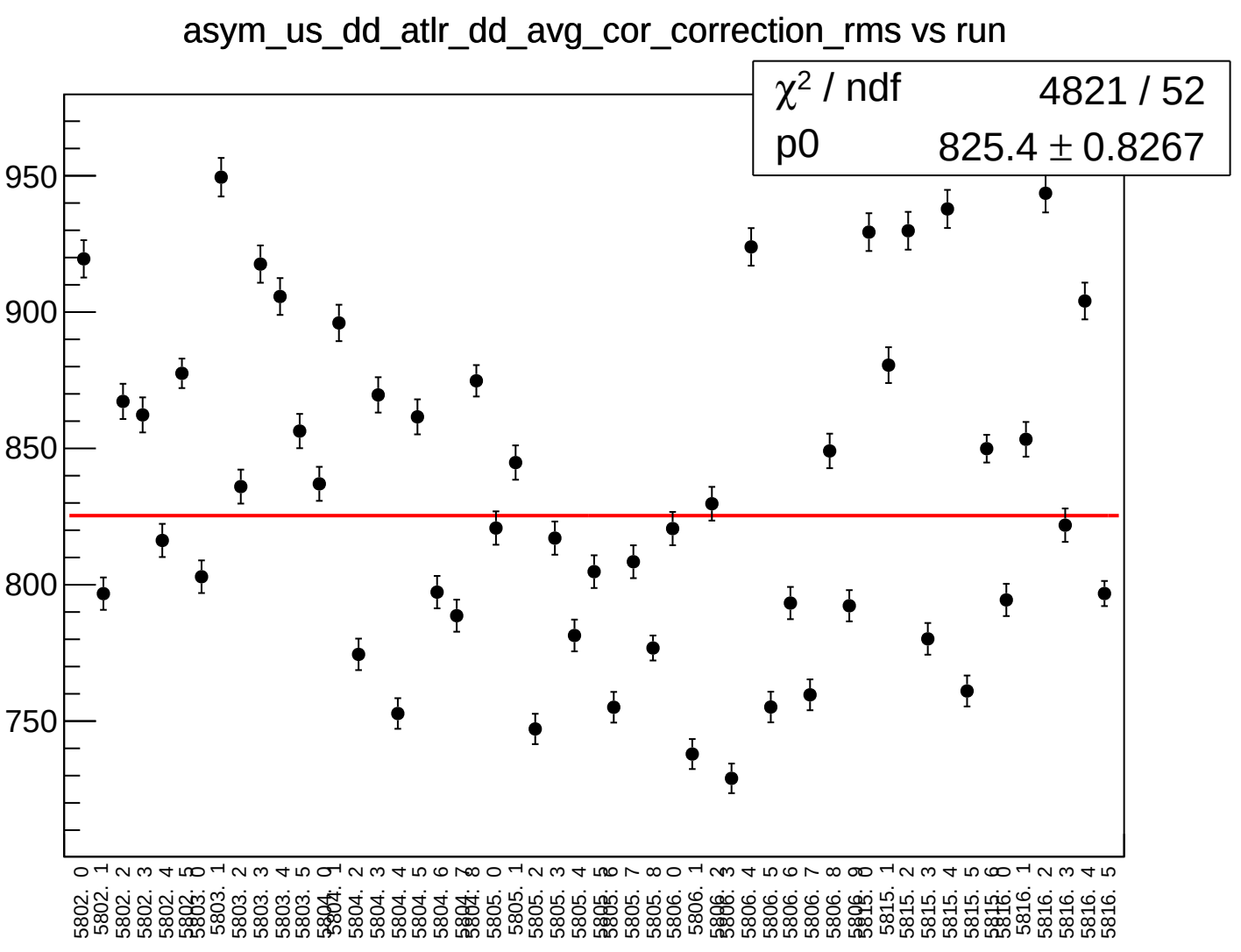

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.76 / 52
p0 −963.6 ± 2599
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −22.16
Std Dev 0

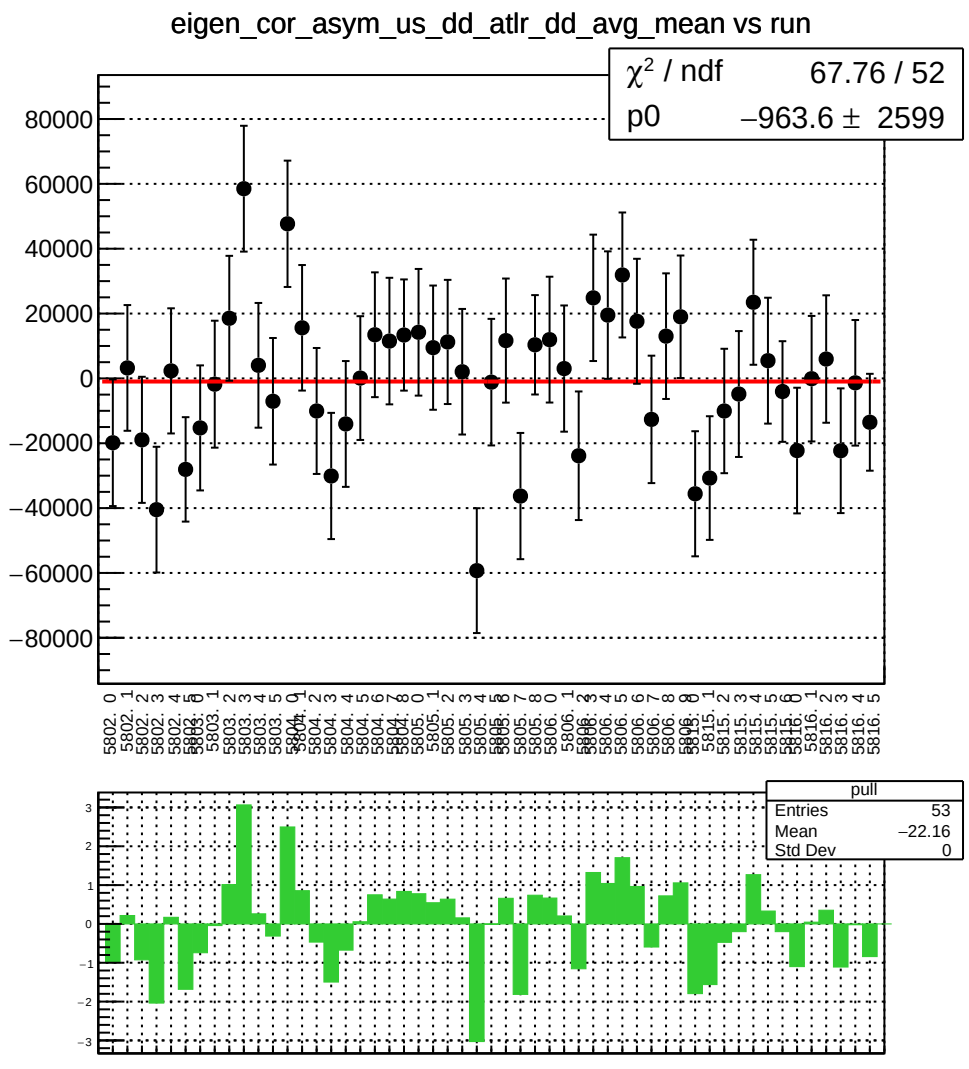

pull1D
Entries 53
Mean 0.005874
Std Dev 1.131

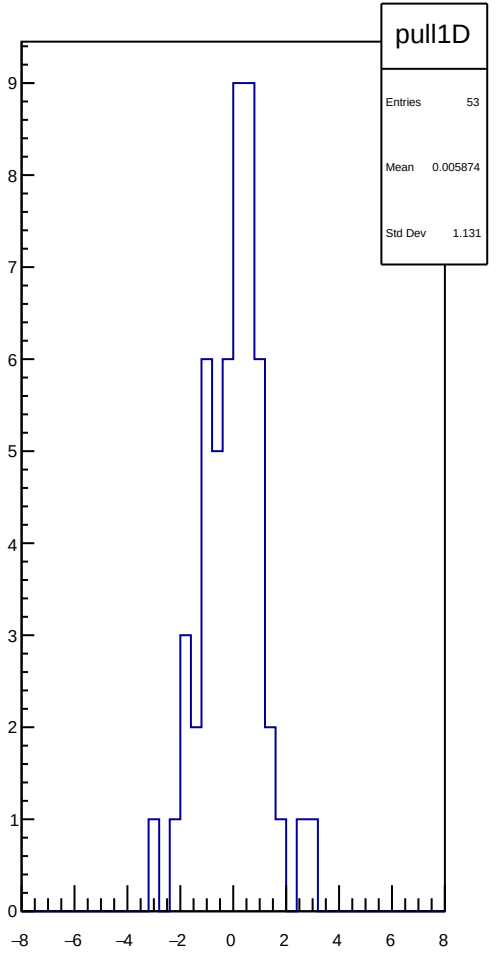

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 66.37 / 52
p0 1839 ± 1.837
1900
1880
1860
1840
1820
1800

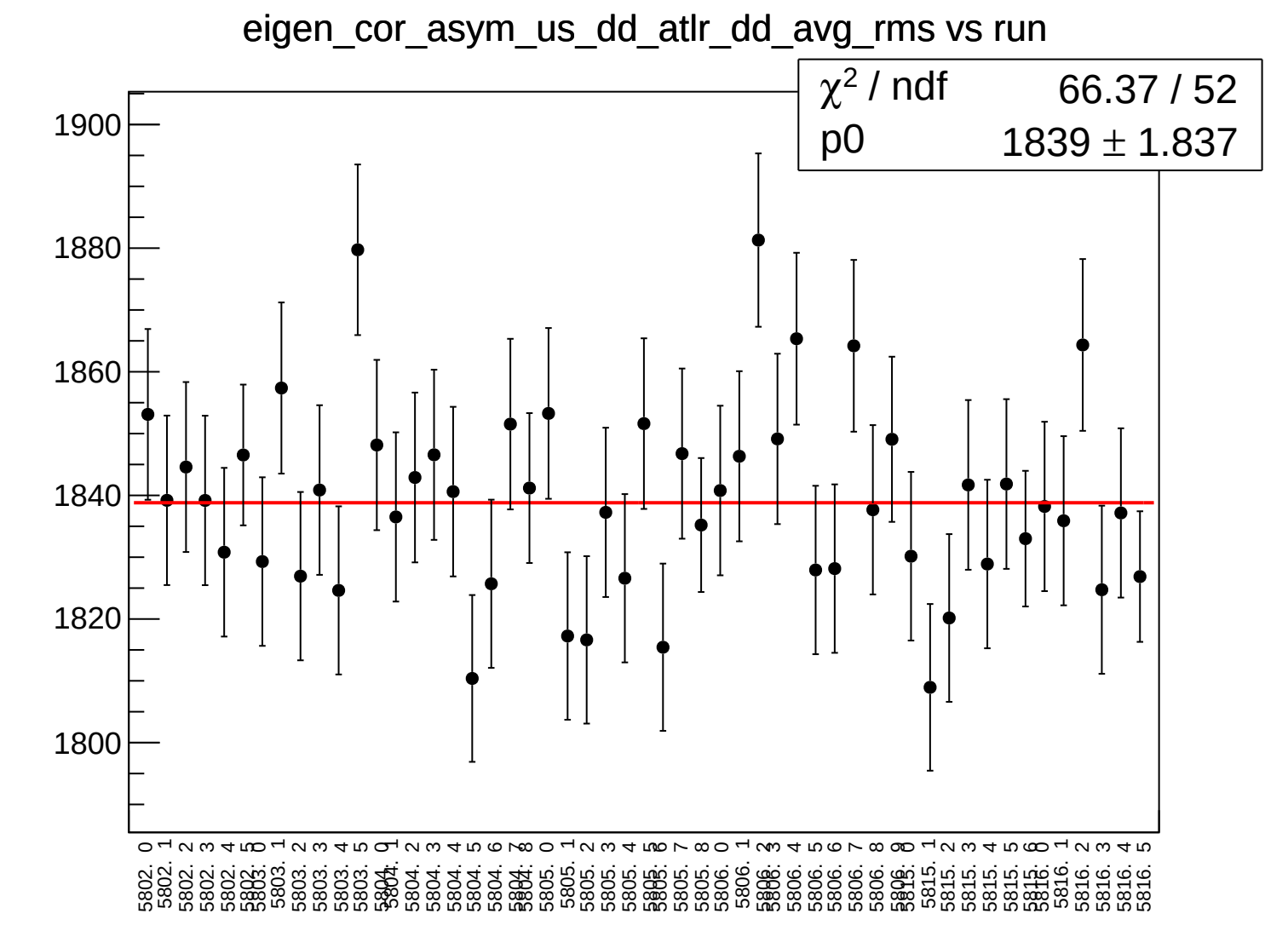

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 65.23 / 52
p0 507.6 ± 1169
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −55.29
Std Dev 0
2
1
0
−1
−2

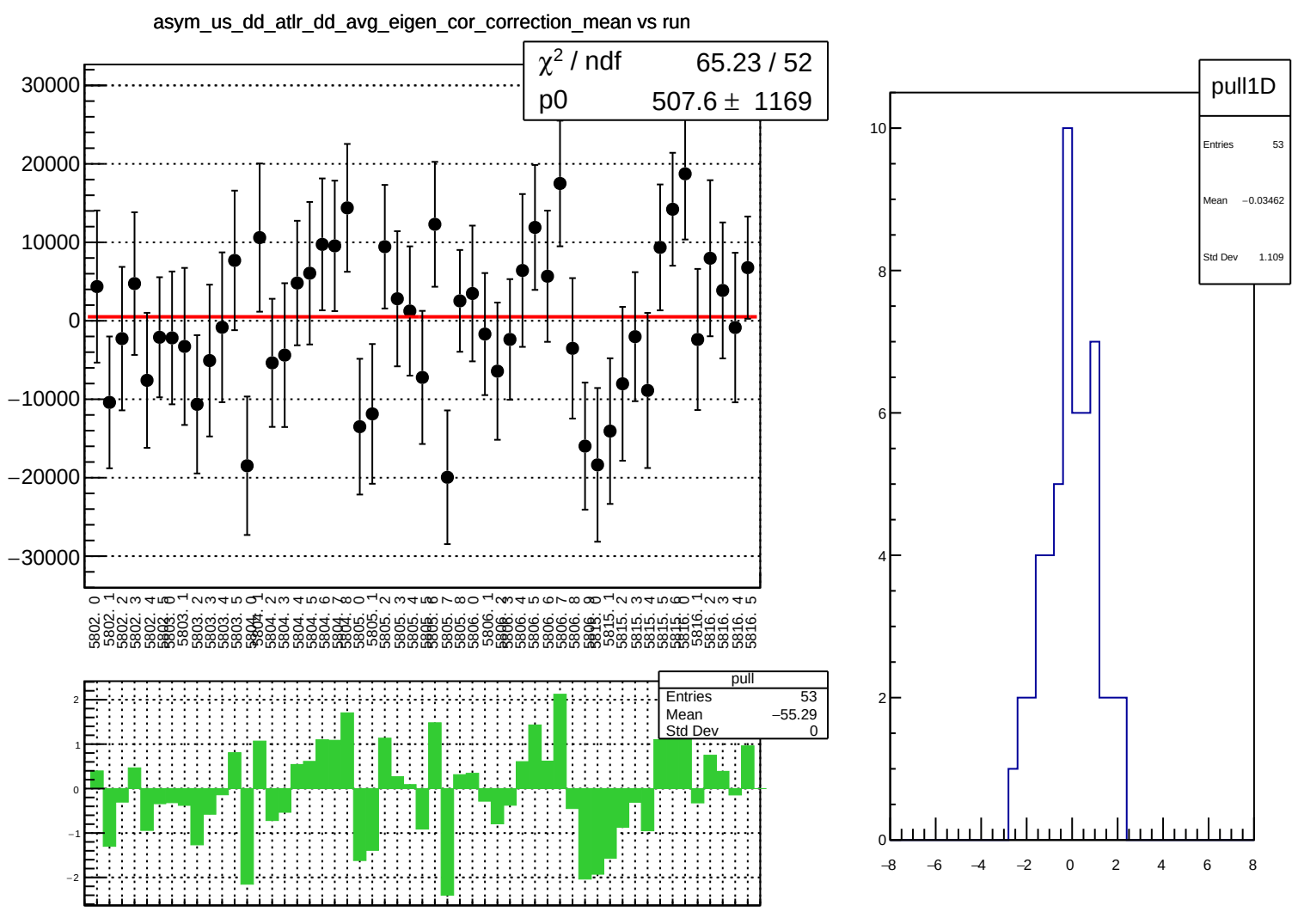

pull1D
Entries 53
Mean −0.03462
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

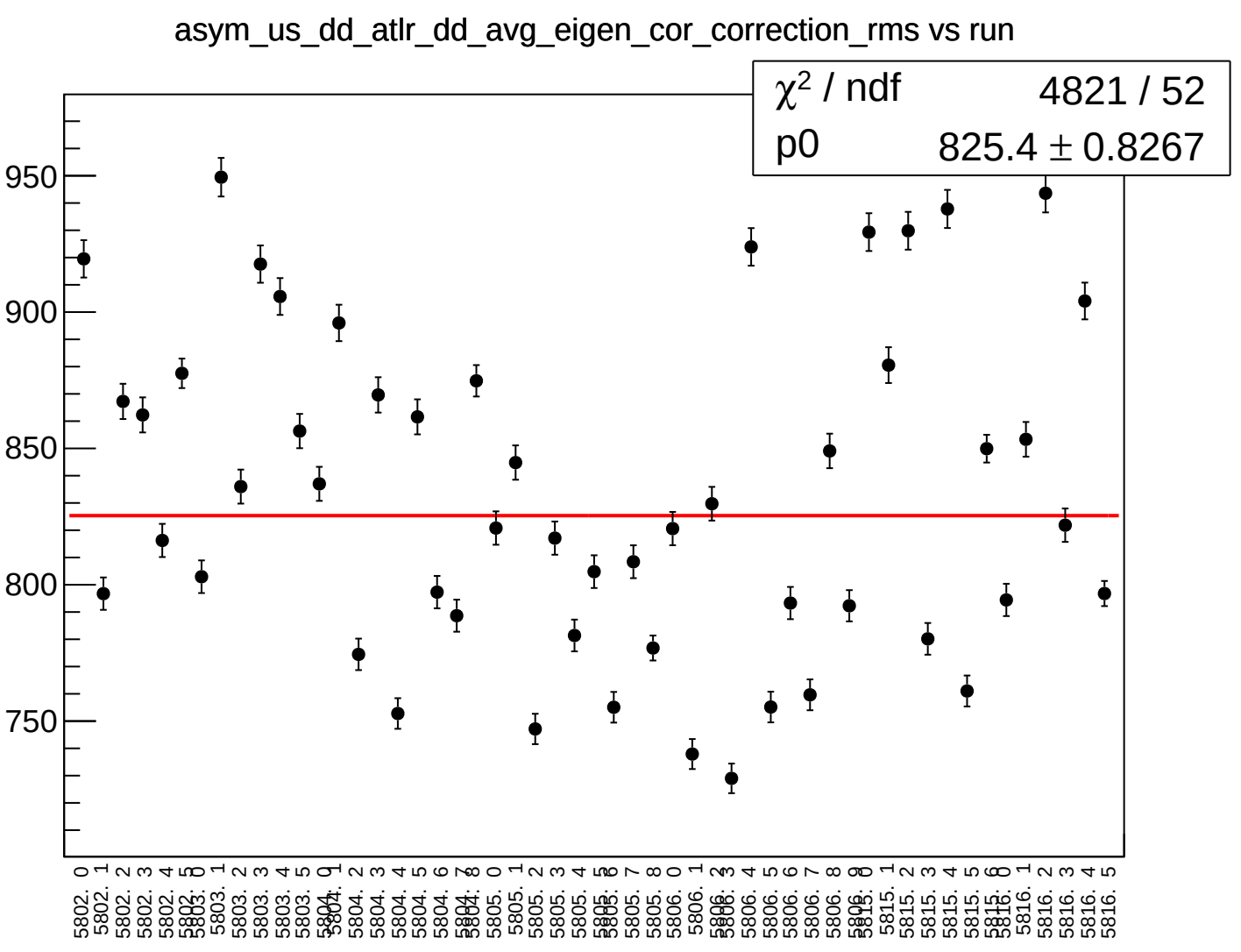

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4821 / 52
p0 825.4 ± 0.8267
950
900
850
800
750

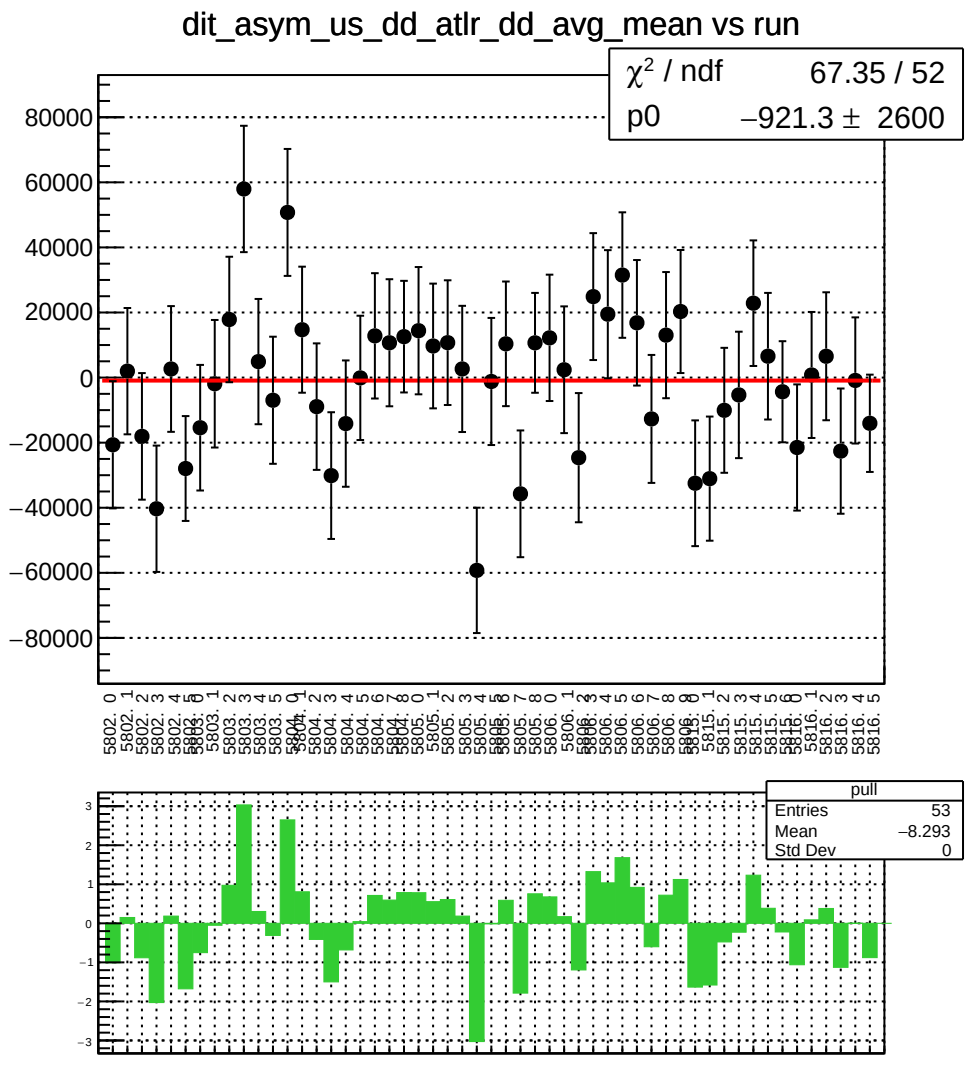

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.76 / 52
p0 −963.6 ± 2599
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −22.16
Std Dev 0
3
2
1
0
−1
−2
−3

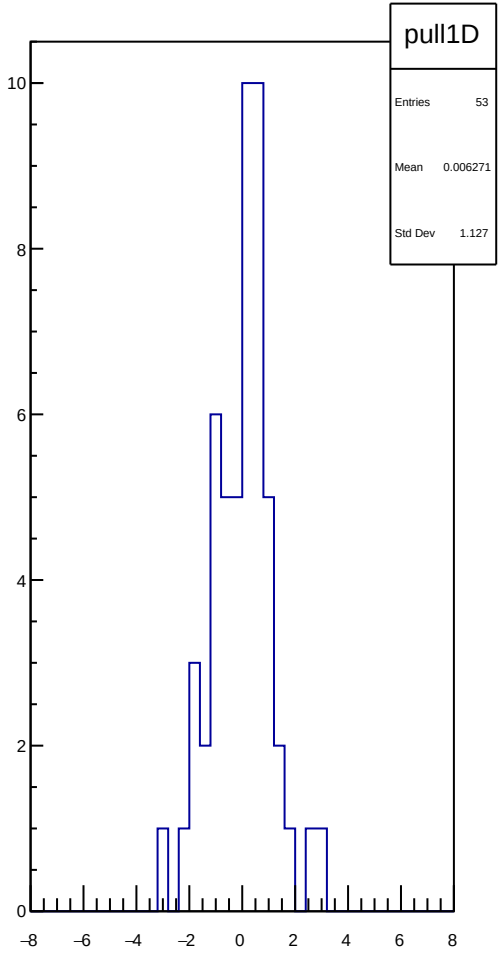

pull1D
Entries 53
Mean 0.005874
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

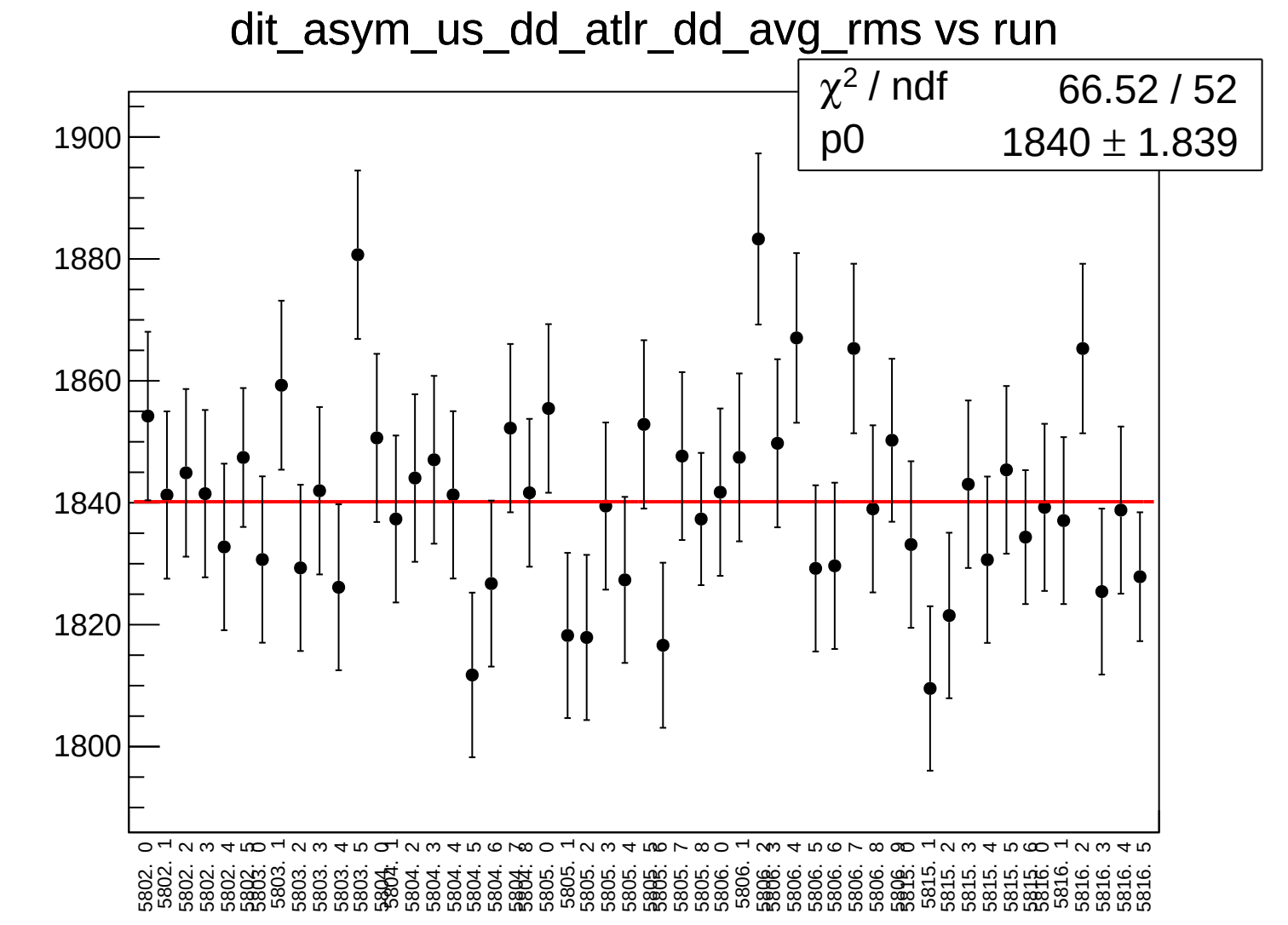

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 66.37 / 52
p0 1839 ± 1.837
1900
1880
1860
1840
1820
1800

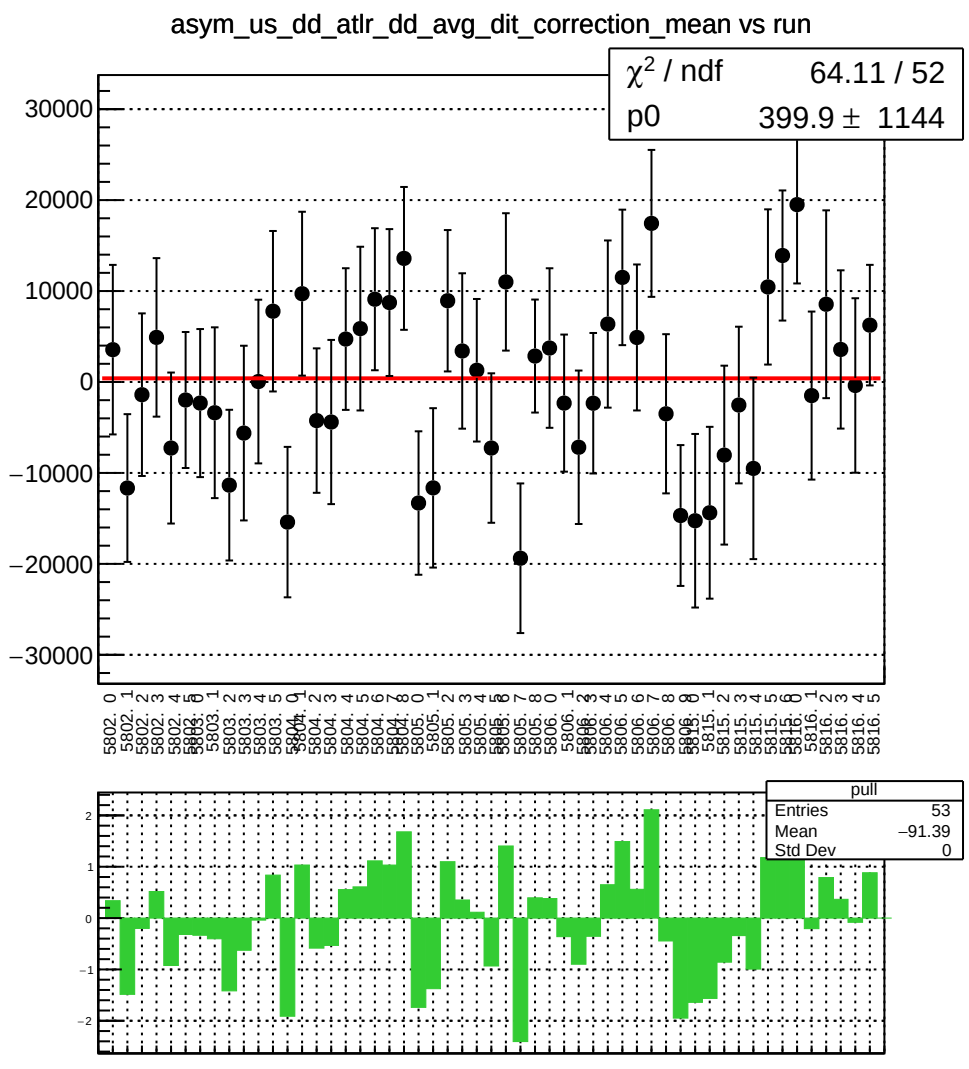

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.23 / 52
p0 507.6 ± 1169
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −55.29
Std Dev 0
pull1D
Entries 53
Mean −0.03462
Std Dev 1.109

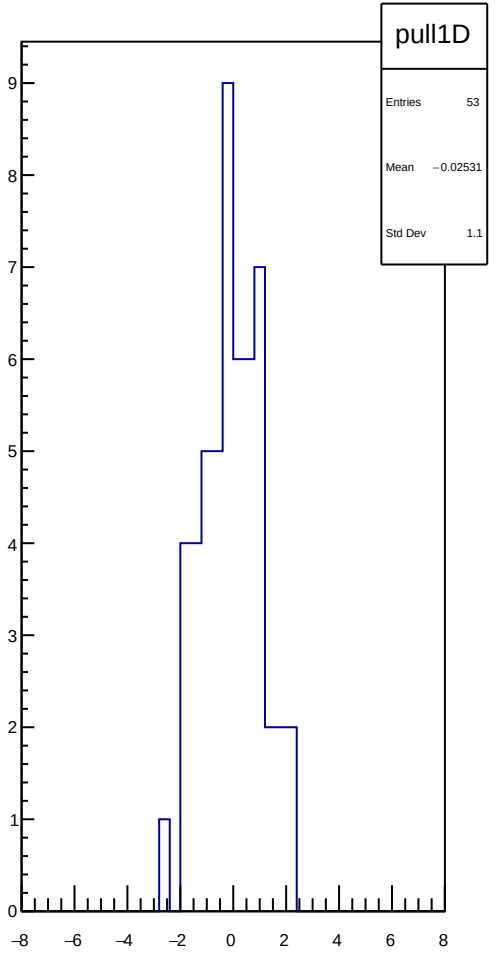

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4821 / 52
p0 825.4 ± 0.8267
950
900
850
800
750

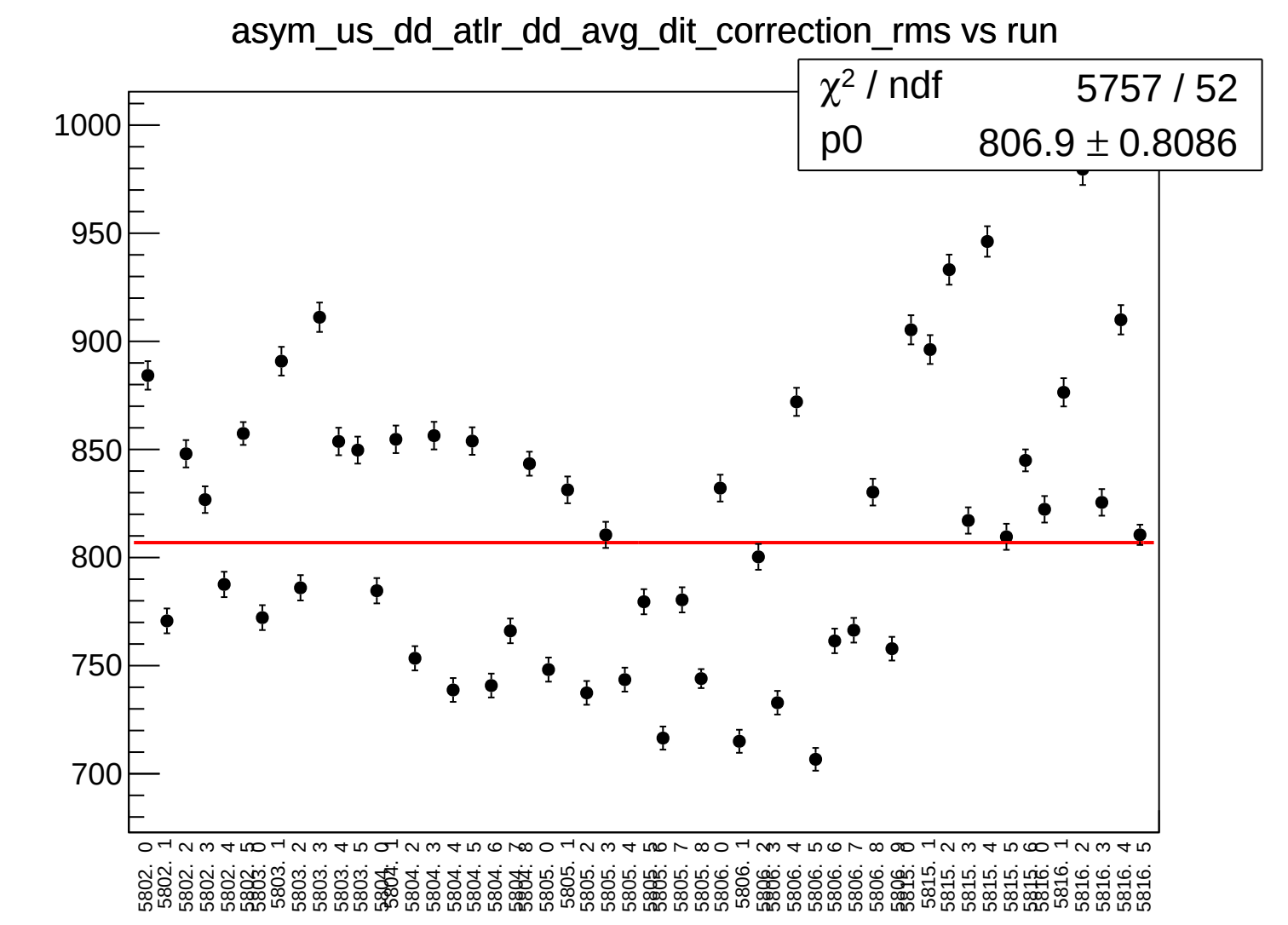

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.35 / 52
p0 −921.3 ± 2600
pull
Entries 53
Mean −8.293
Std Dev 0

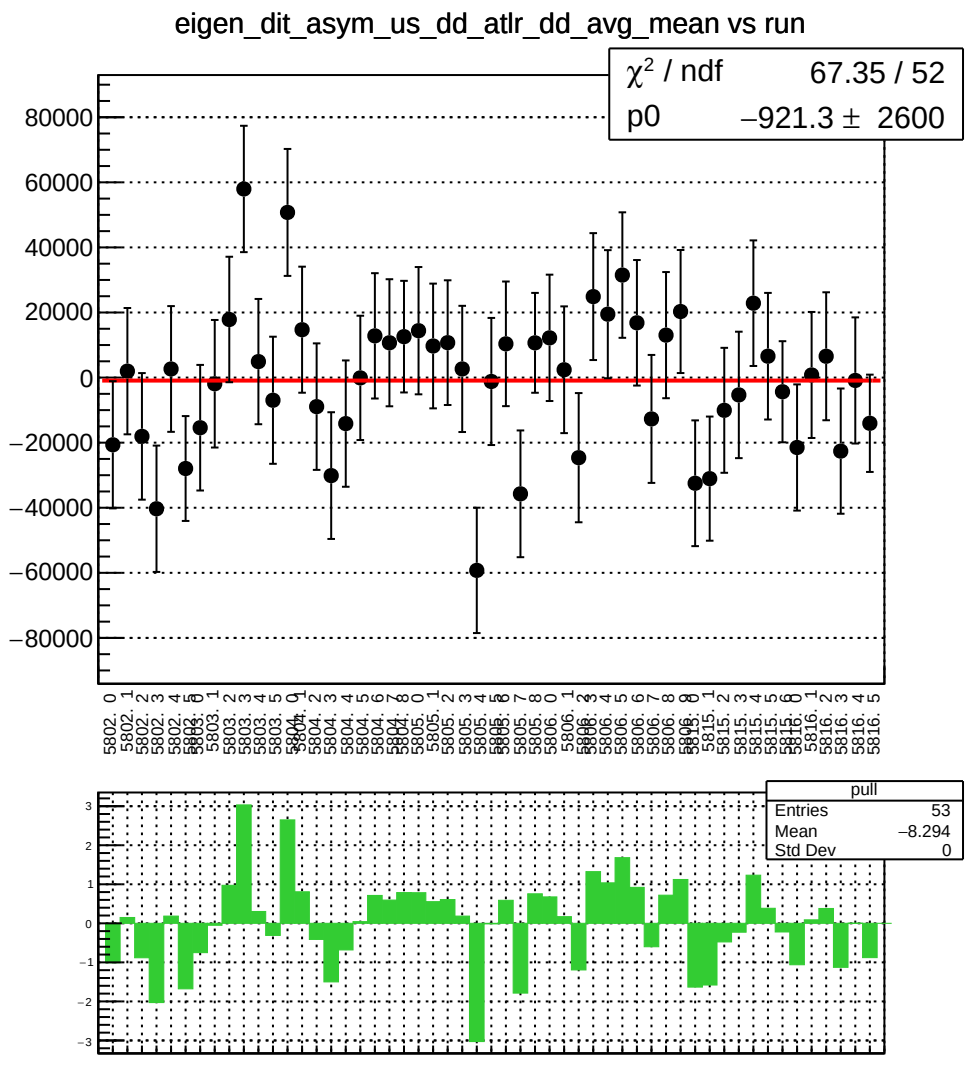

pull1D
Entries 53
Mean 0.006271
Std Dev 1.127

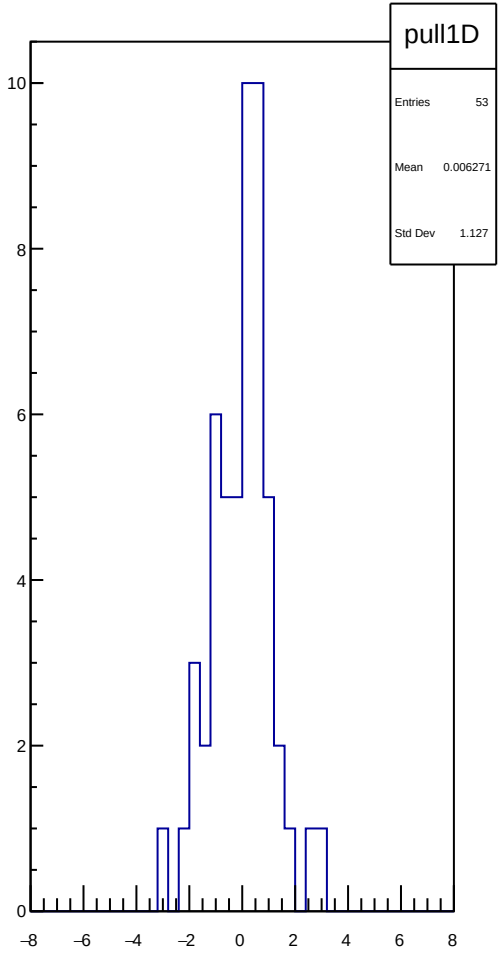

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 66.52 / 52
p0 1840 ± 1.839
1900
1880
1860
1840
1820
1800

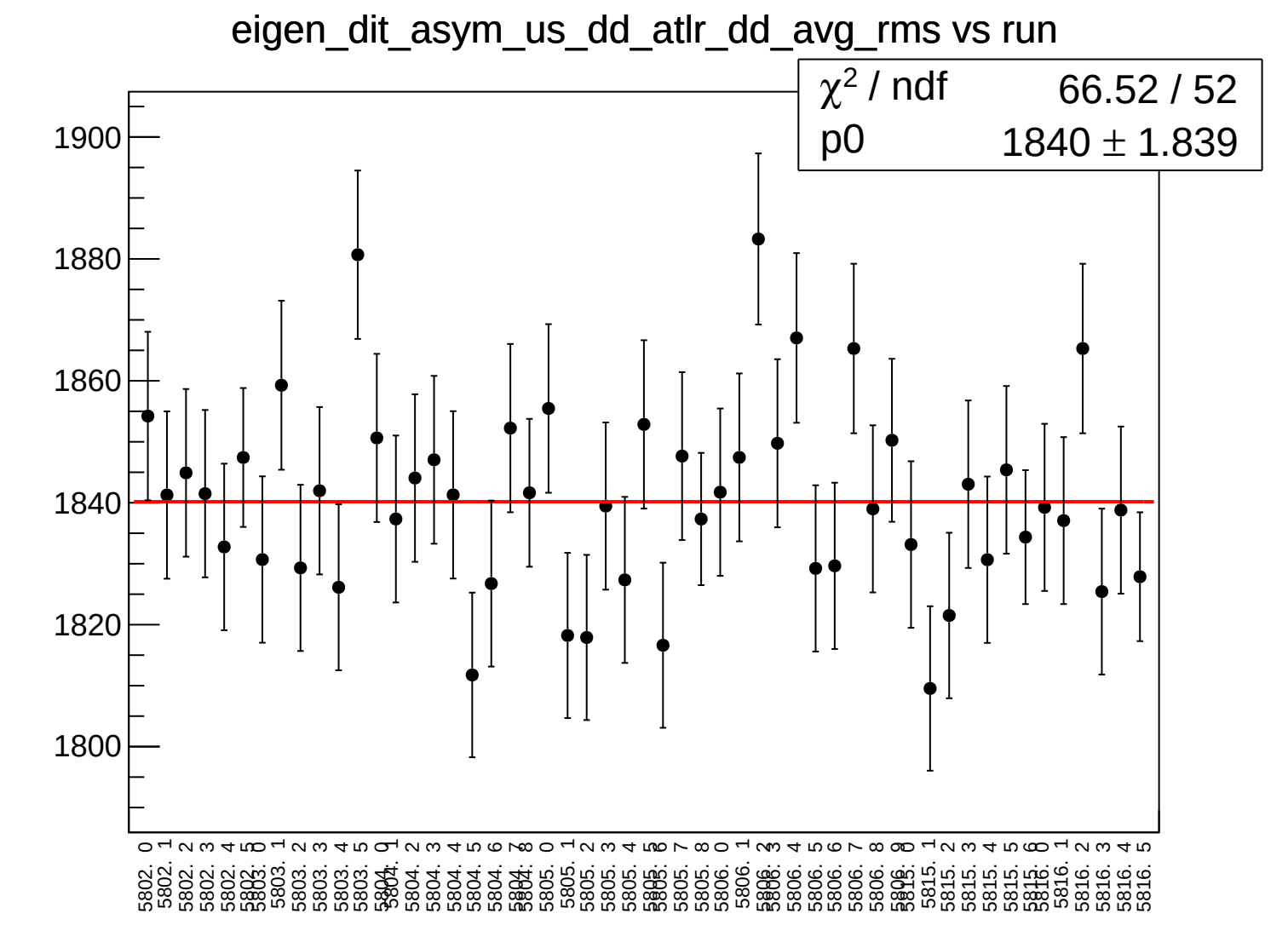

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 64.11 / 52
p0 399.9 ± 1144
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −91.39
Std Dev 0
2
1
0
−1
−2

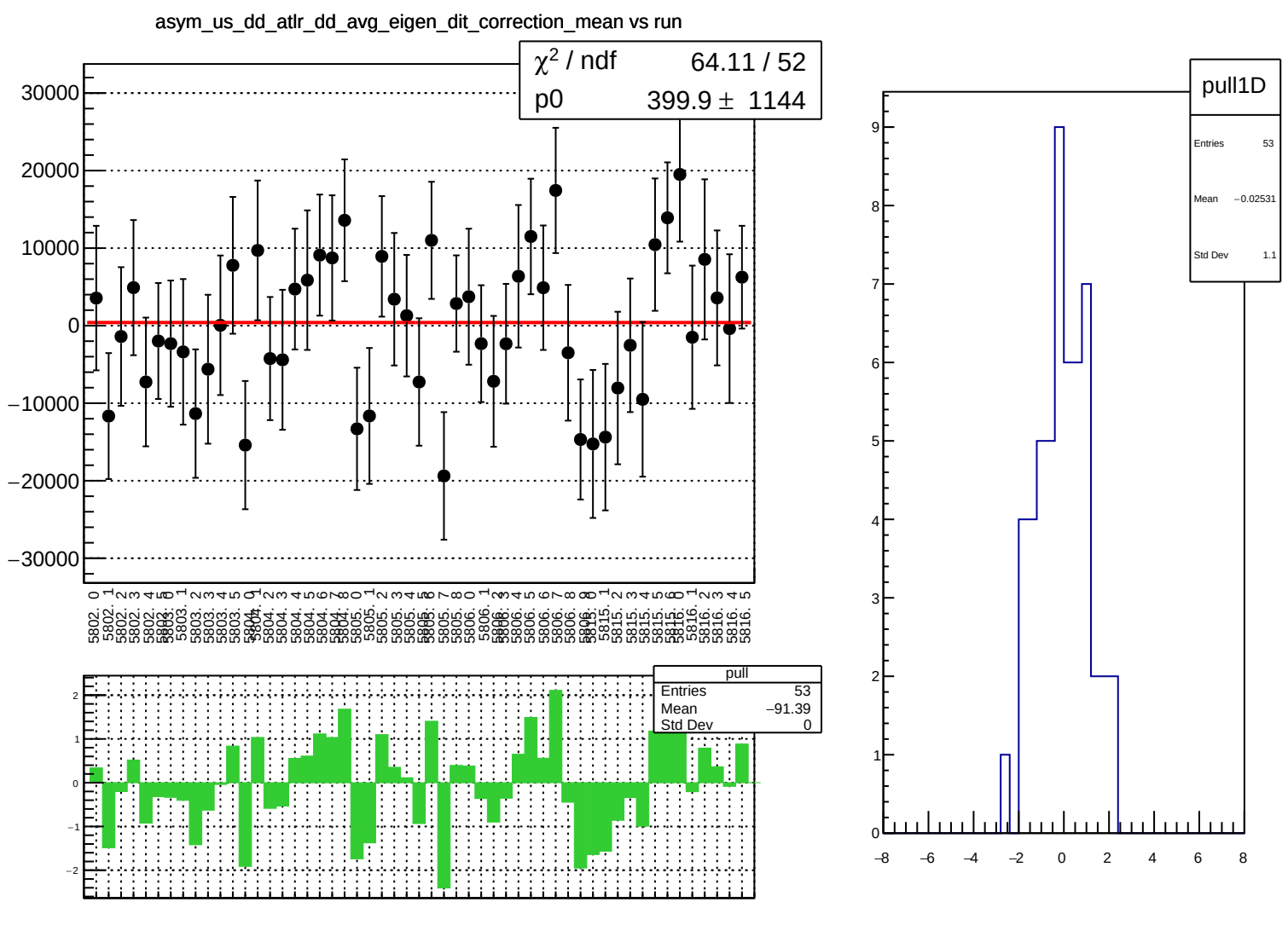

pull1D
Entries 53
Mean −0.02531
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

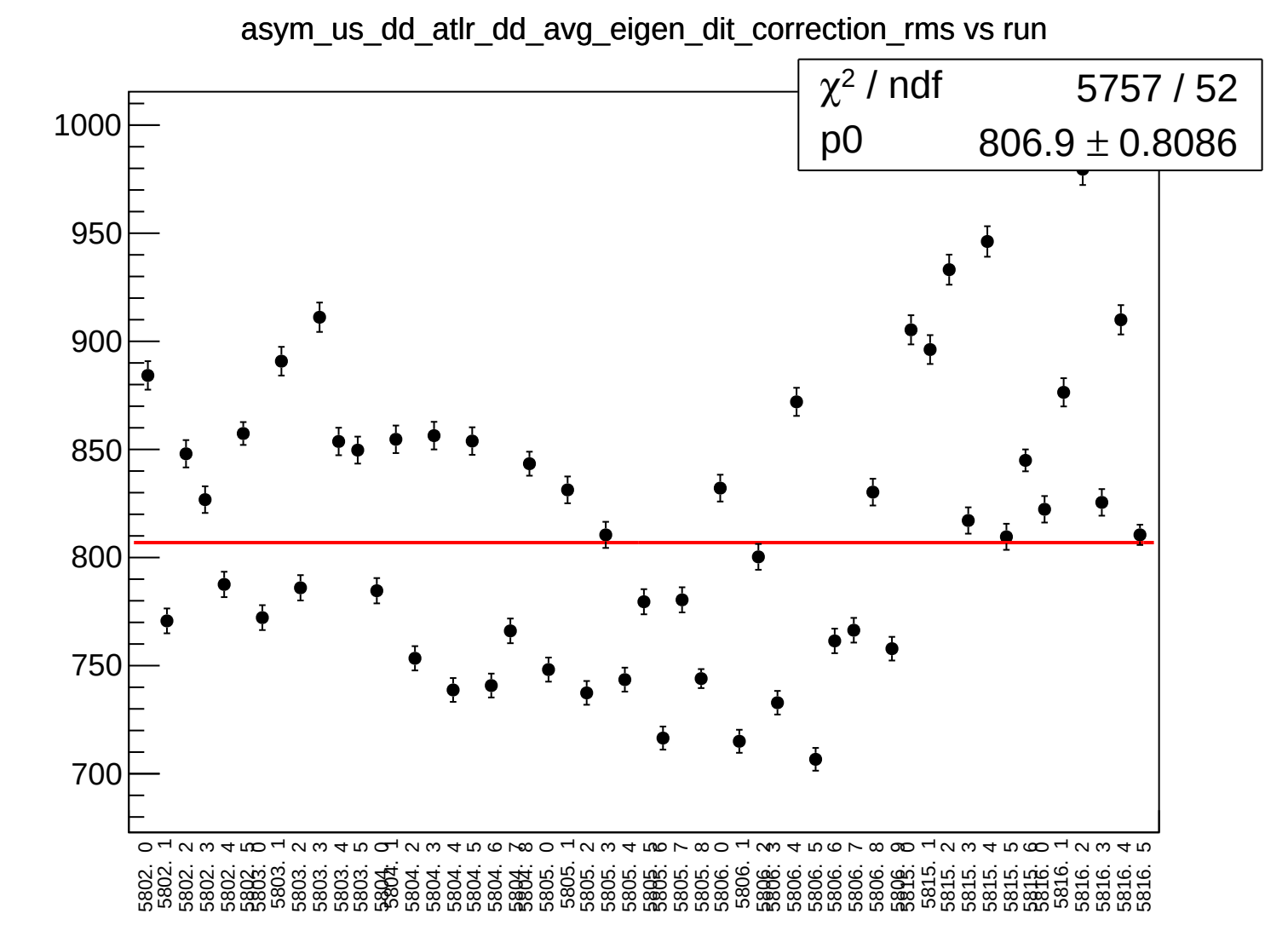

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 5757 / 52
p0 806.9 ± 0.8086
1000
950
900
850
800
750
700

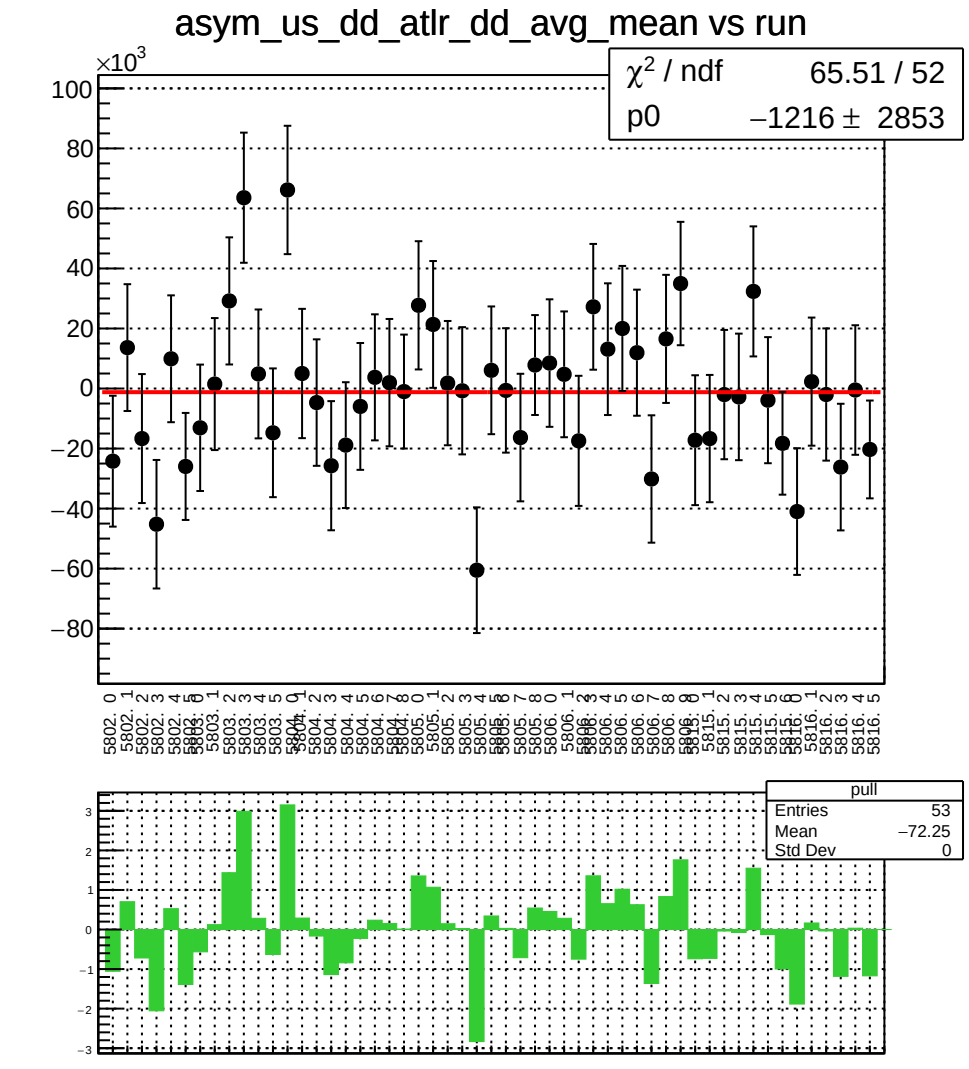

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 67.35 / 52
p0 −921.3 ± 2600
pull
Entries 53
Mean −8.294
Std Dev 0

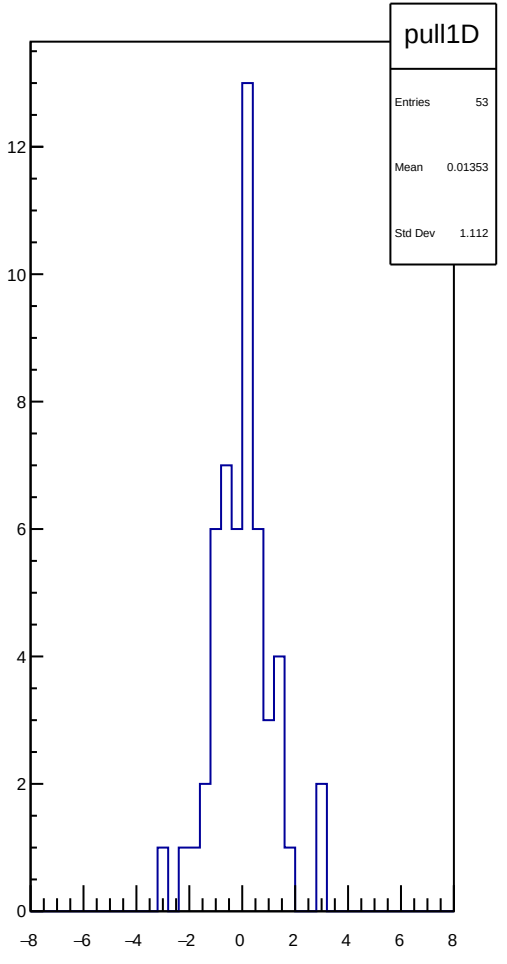

pull1D
Entries 53
Mean 0.006271
Std Dev 1.127

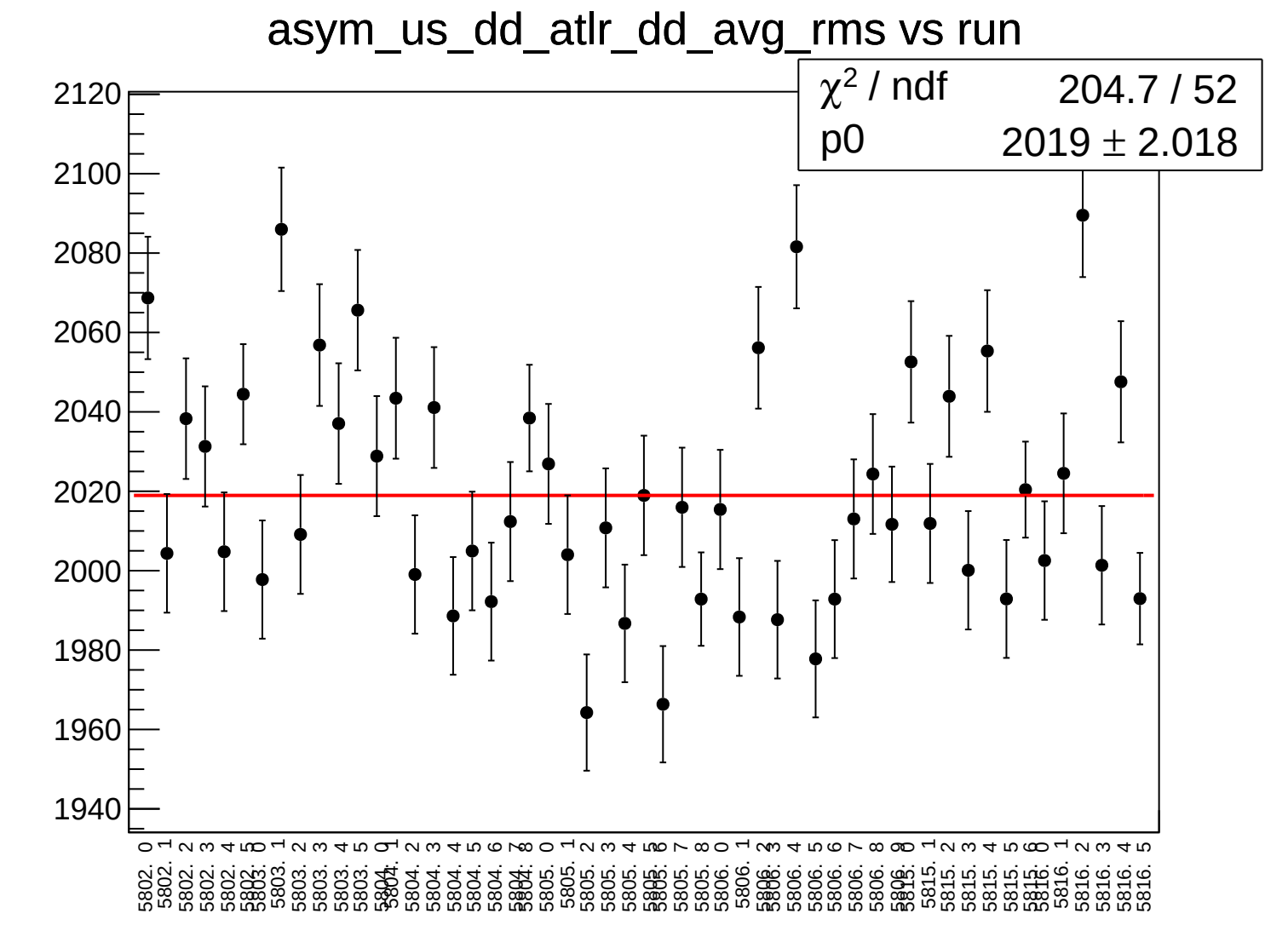

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 66.52 / 52
p0 1840 ± 1.839
1900
1880
1860
1840
1820
1800

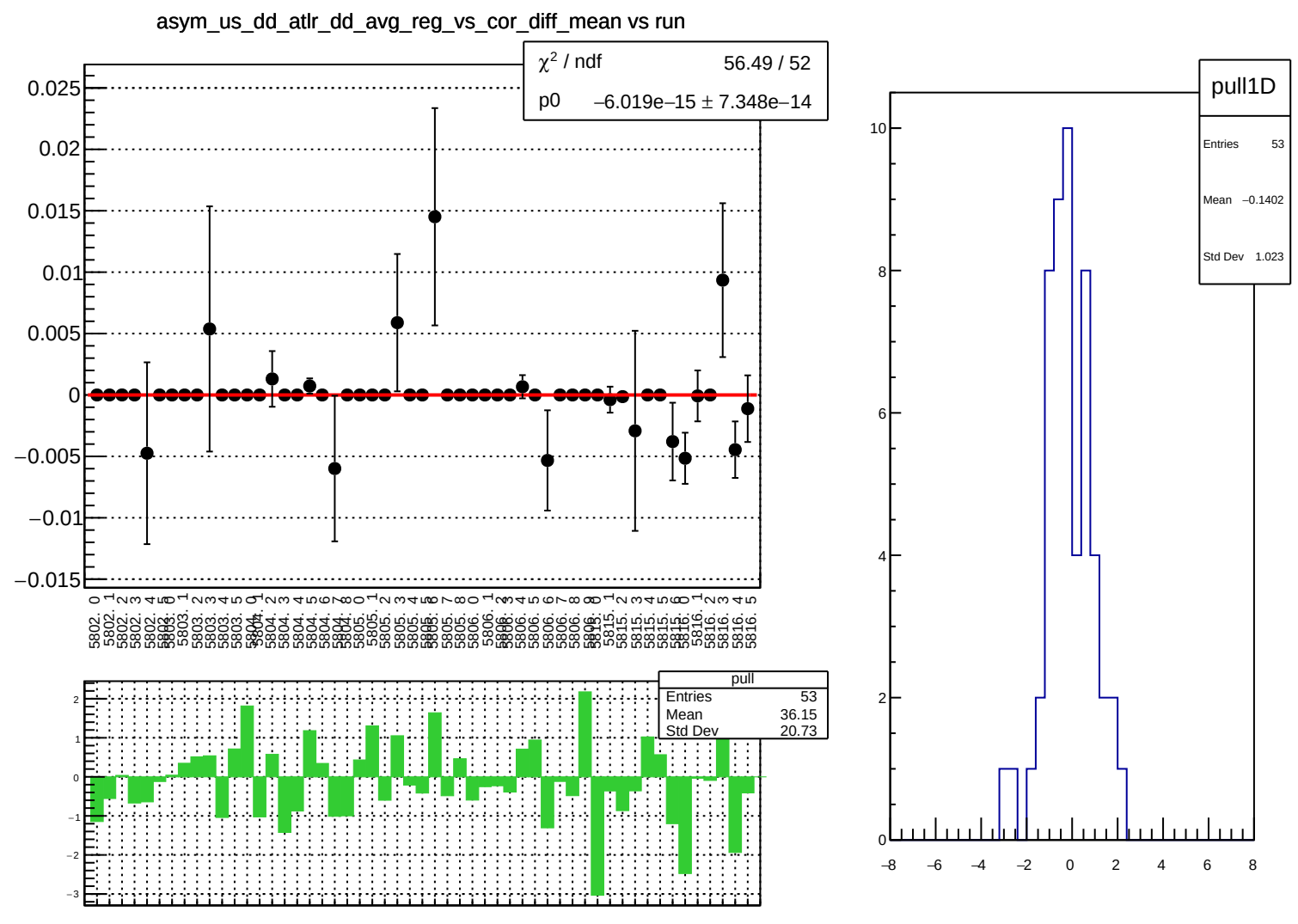

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.11 / 52
p0 399.9 ± 1144
pull
Entries 53
Mean −91.39
Std Dev 0
pull1D
Entries 53
Mean −0.02531
Std Dev 1.1

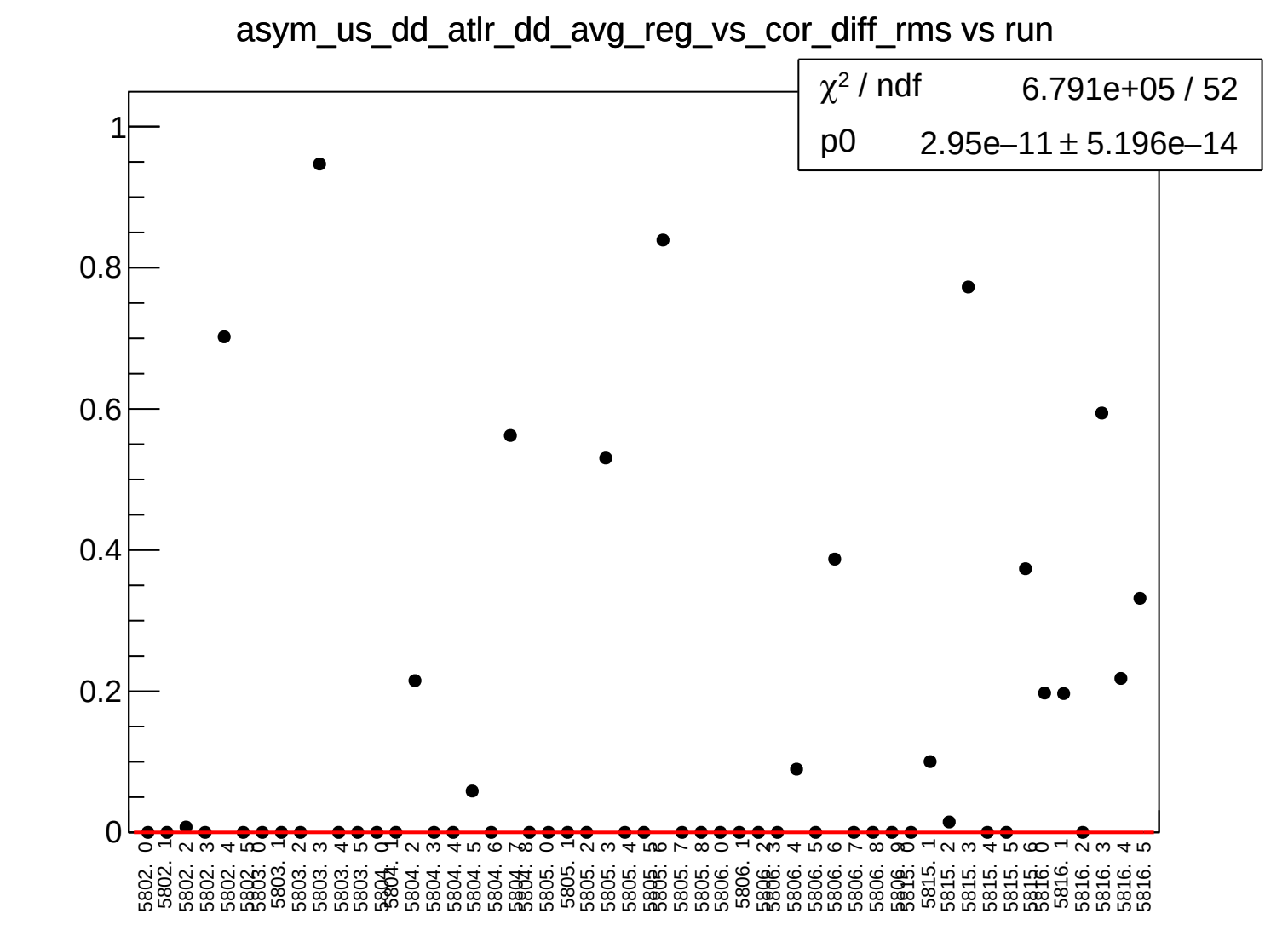

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5757 / 52
p0 806.9 ± 0.8086
1000
950
900
850
800
750
700

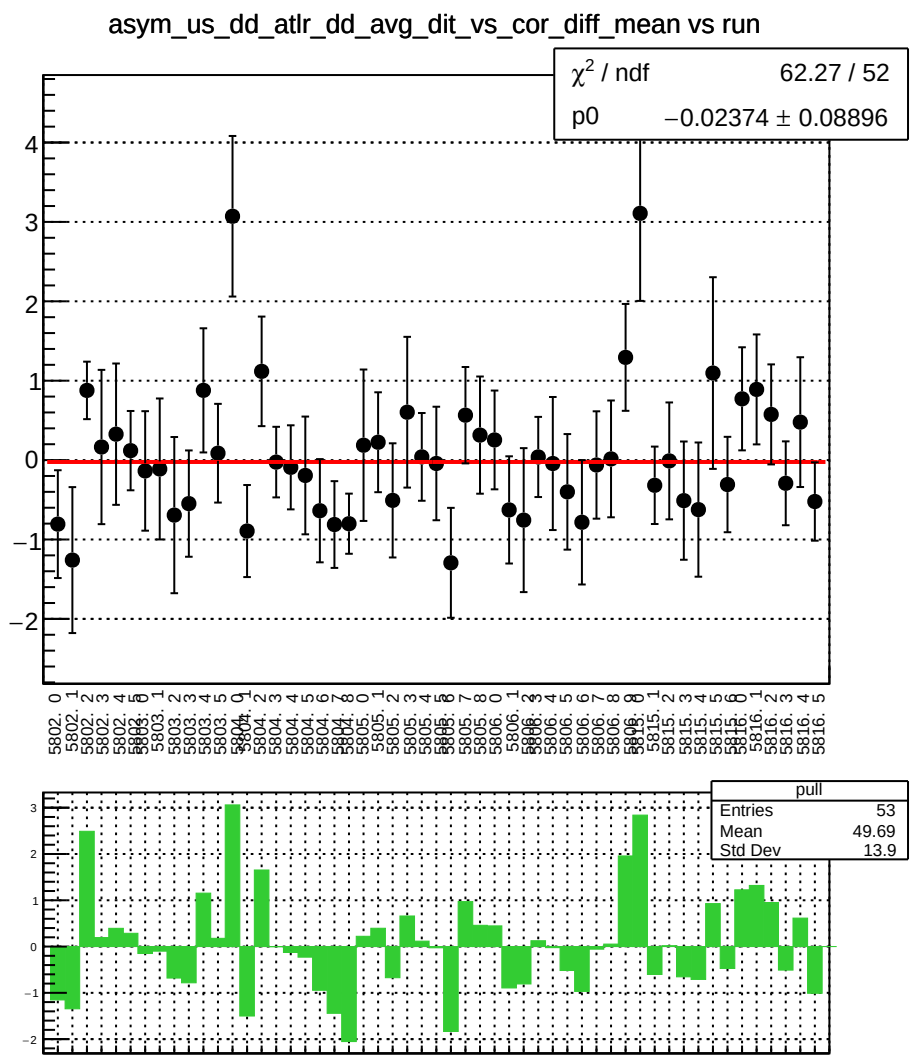

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 65.51 / 52
p0 −1216 ± 2853
pull
Entries 53
Mean −72.25
Std Dev 0

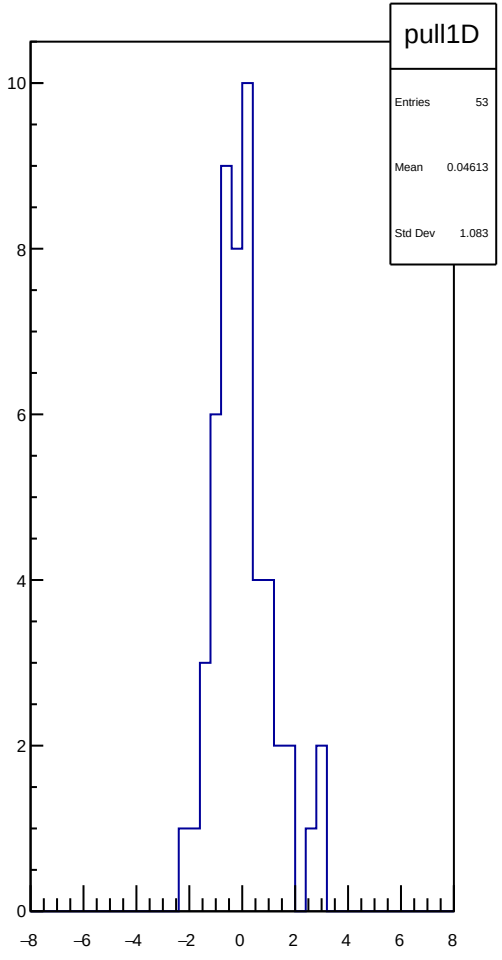

pull1D
Entries 53
Mean 0.01353
Std Dev 1.112

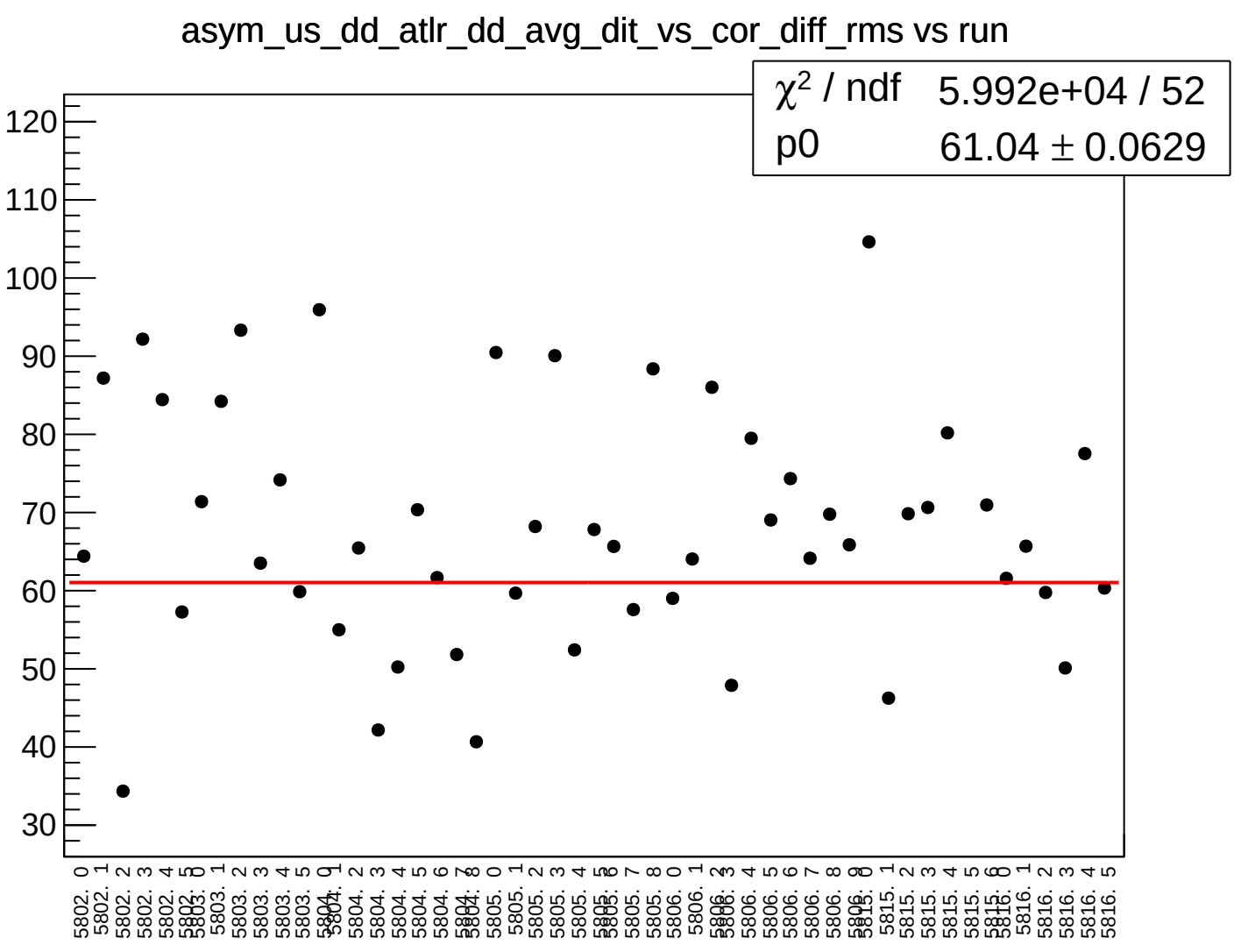

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 204.7 / 52
p0 2019 ± 2.018
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940

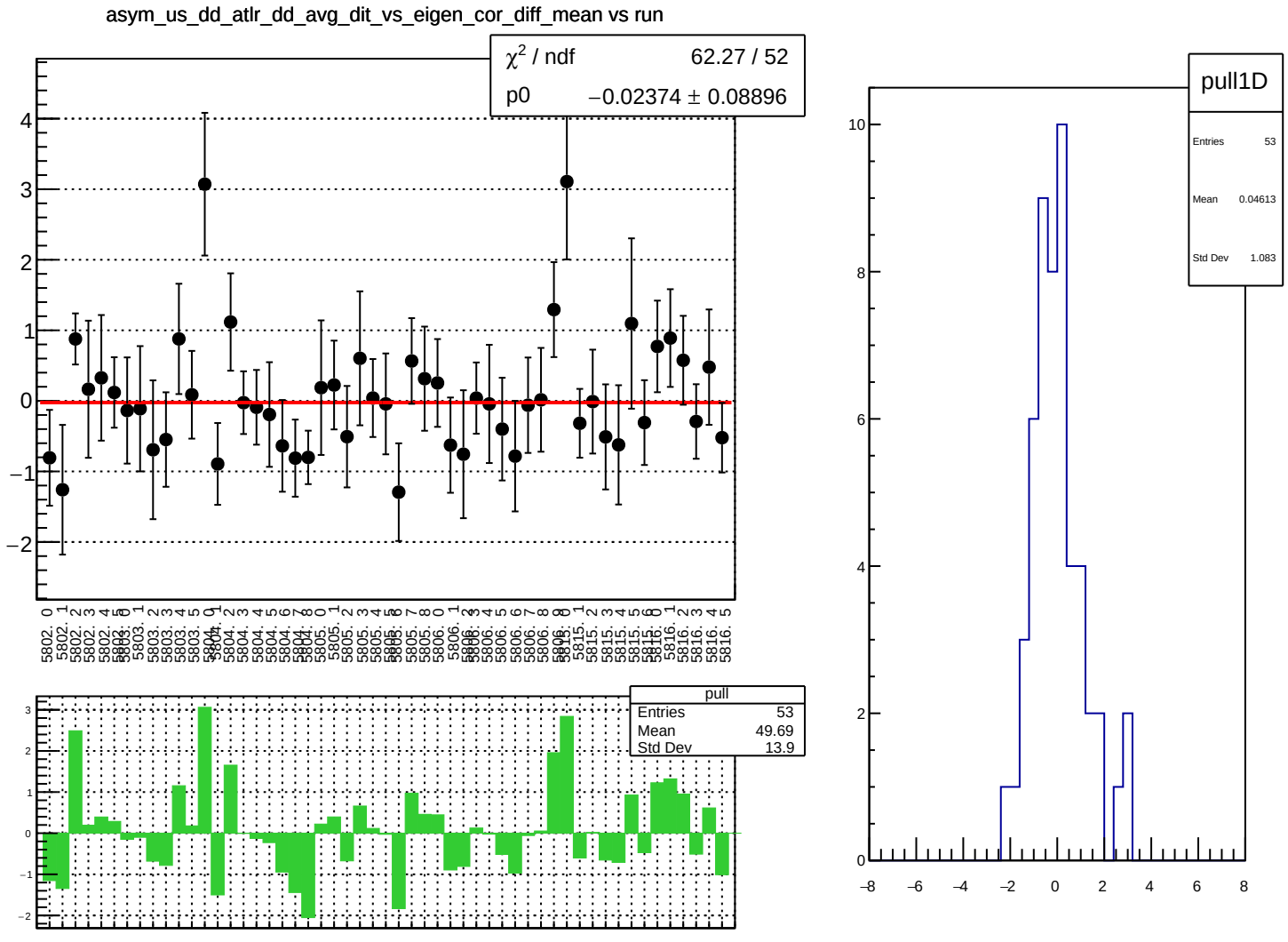

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.49 / 52
p0 −6.019e−15 ± 7.348e−14
pull
Entries 53
Mean 36.15
Std Dev 20.73
pull1D
Entries 53
Mean −0.1402
Std Dev 1.023

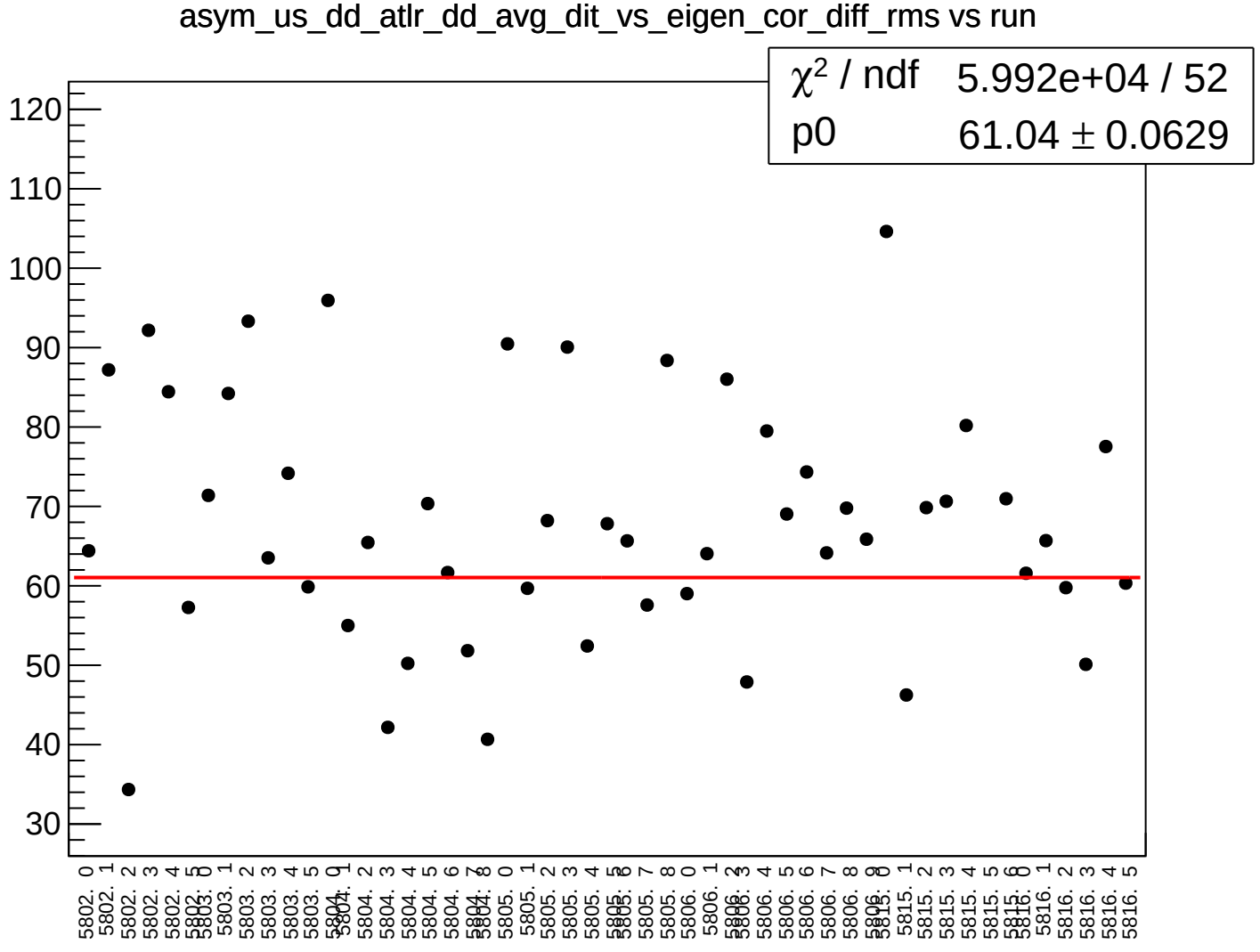

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.791e+05 / 52
p0 2.95e−11 ± 5.196e−14
1
0.8
0.6
0.4
0.2
0

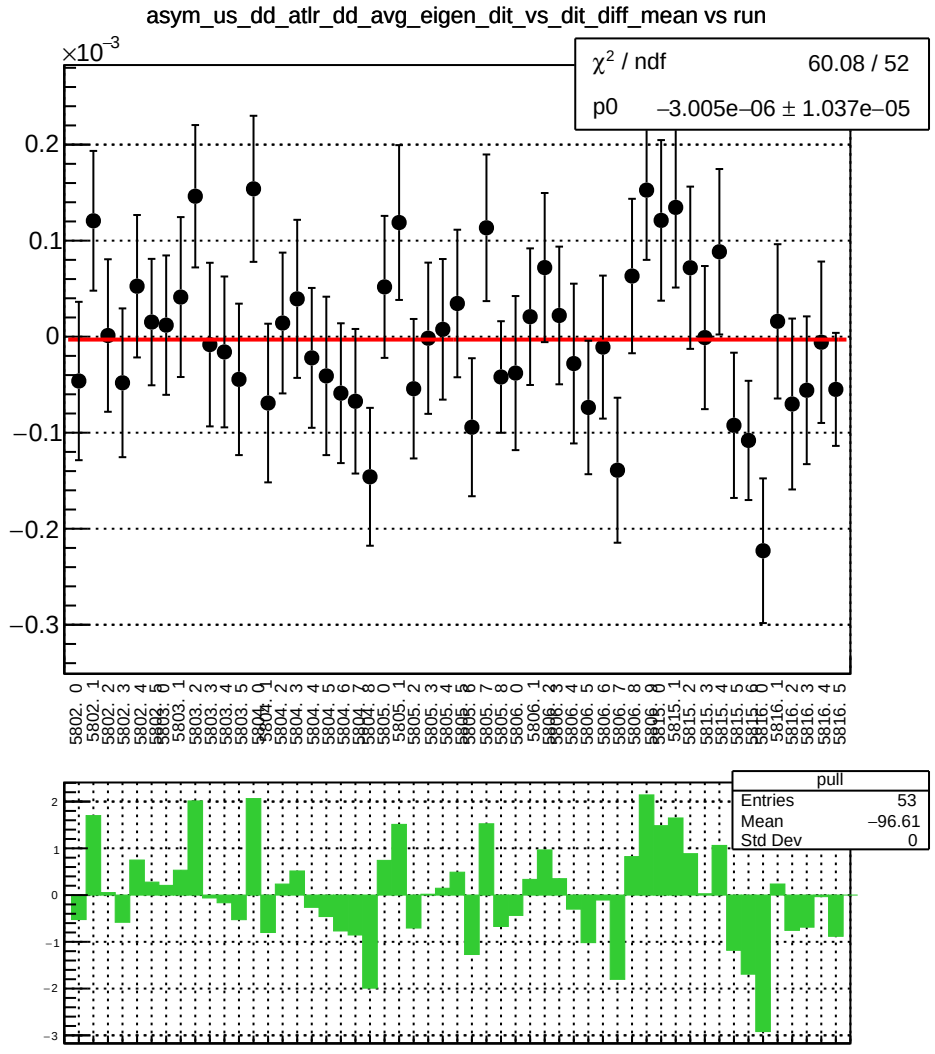

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 62.27 / 52
p0 −0.02374 ± 0.08896
pull
Entries 53
Mean 49.69
Std Dev 13.9

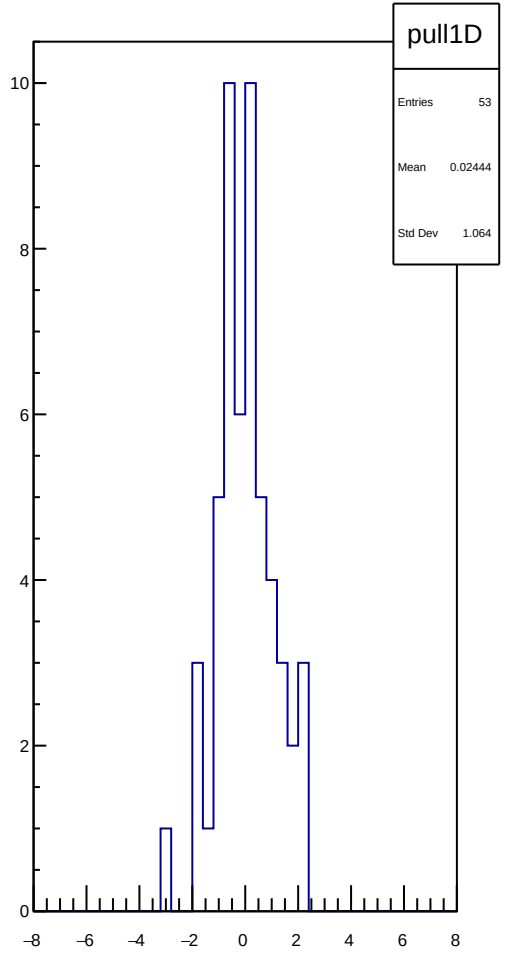

pull1D
Entries 53
Mean 0.04613
Std Dev 1.083

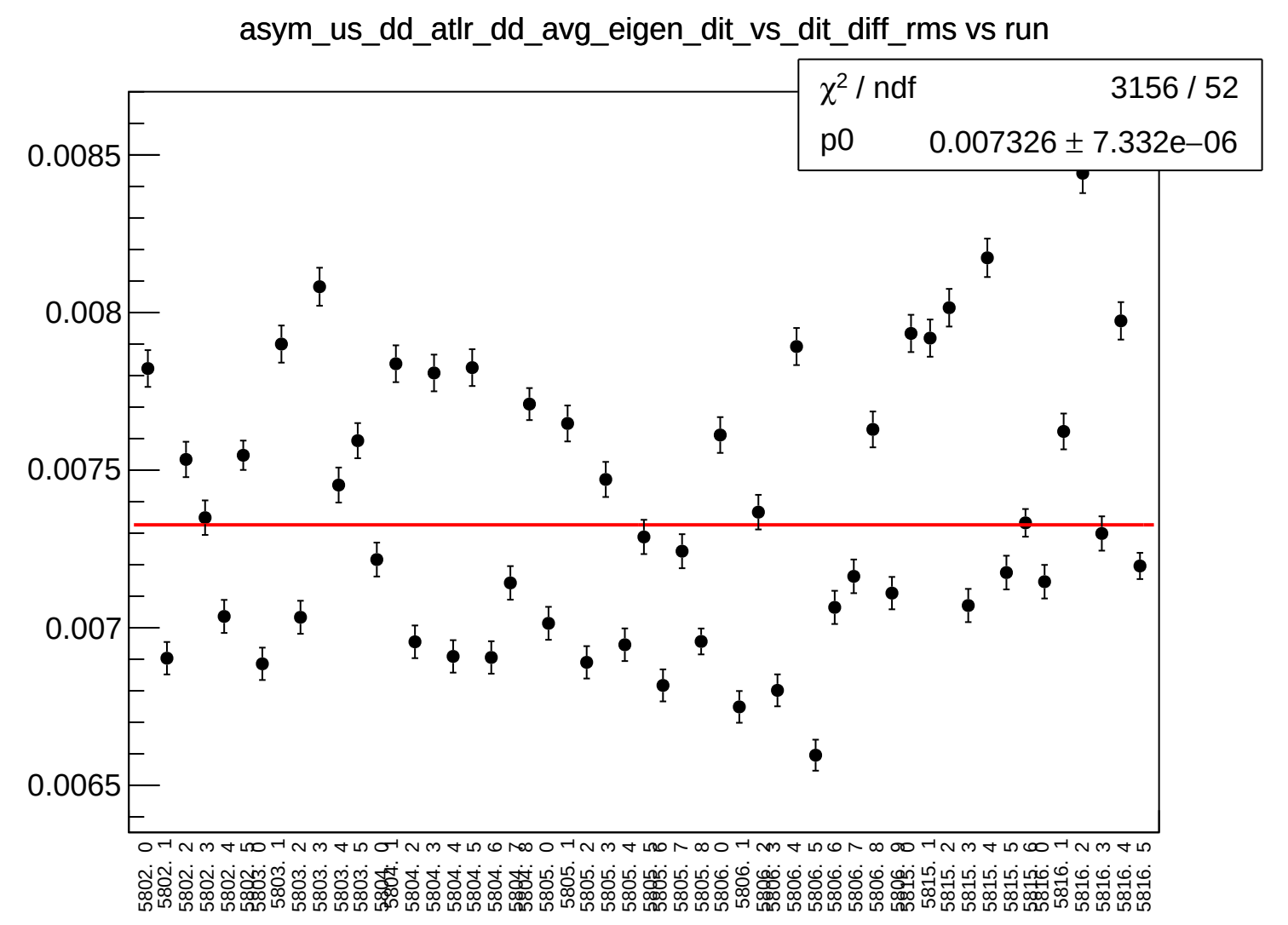

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.992e+04 / 52
p0 61.04 ± 0.0629
120
110
100
90
80
70
60
50
40
30

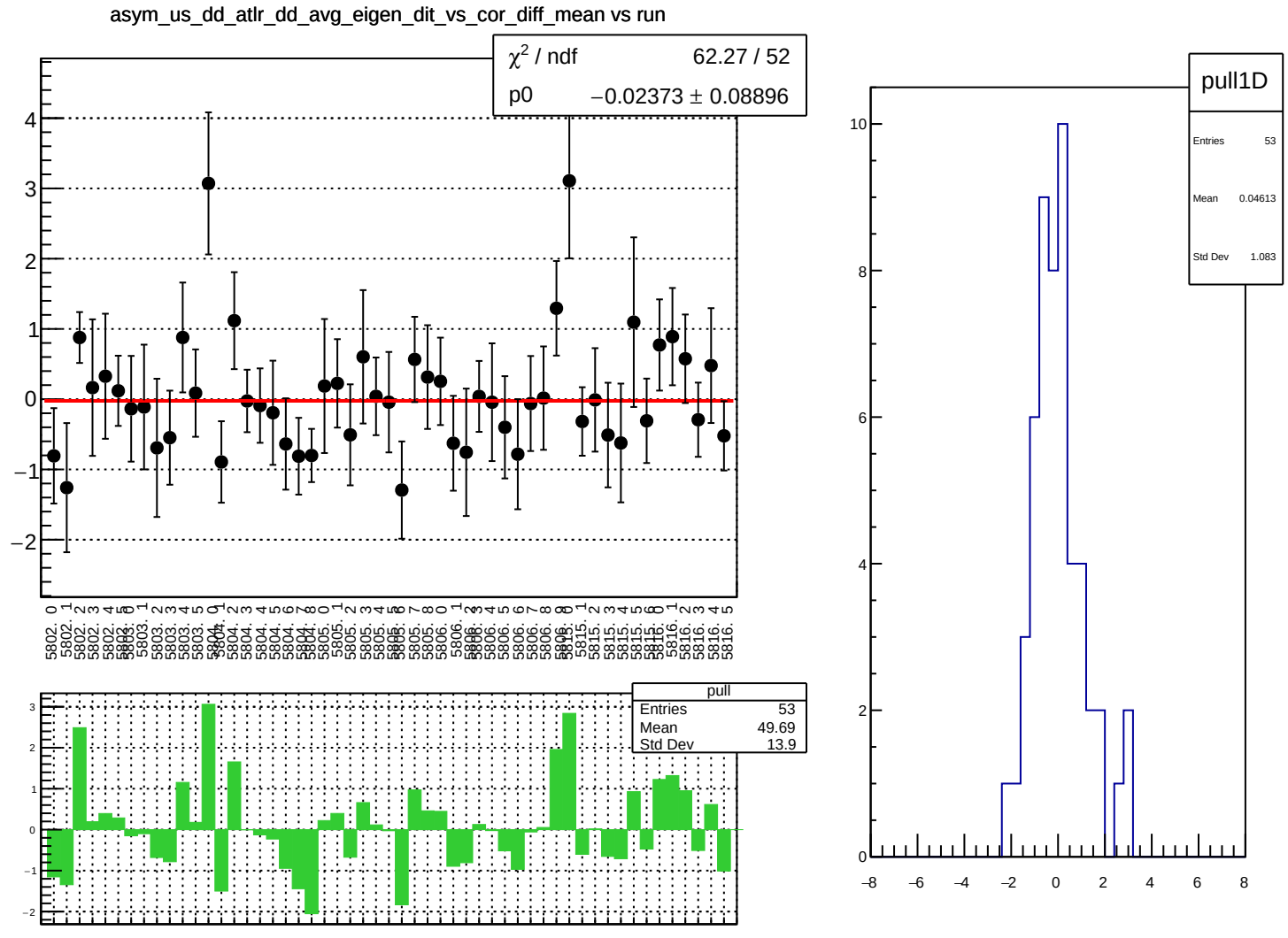

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.27 / 52
p0 −0.02374 ± 0.08896
pull
Entries 53
Mean 49.69
Std Dev 13.9
pull1D
Entries 53
Mean 0.04613
Std Dev 1.083

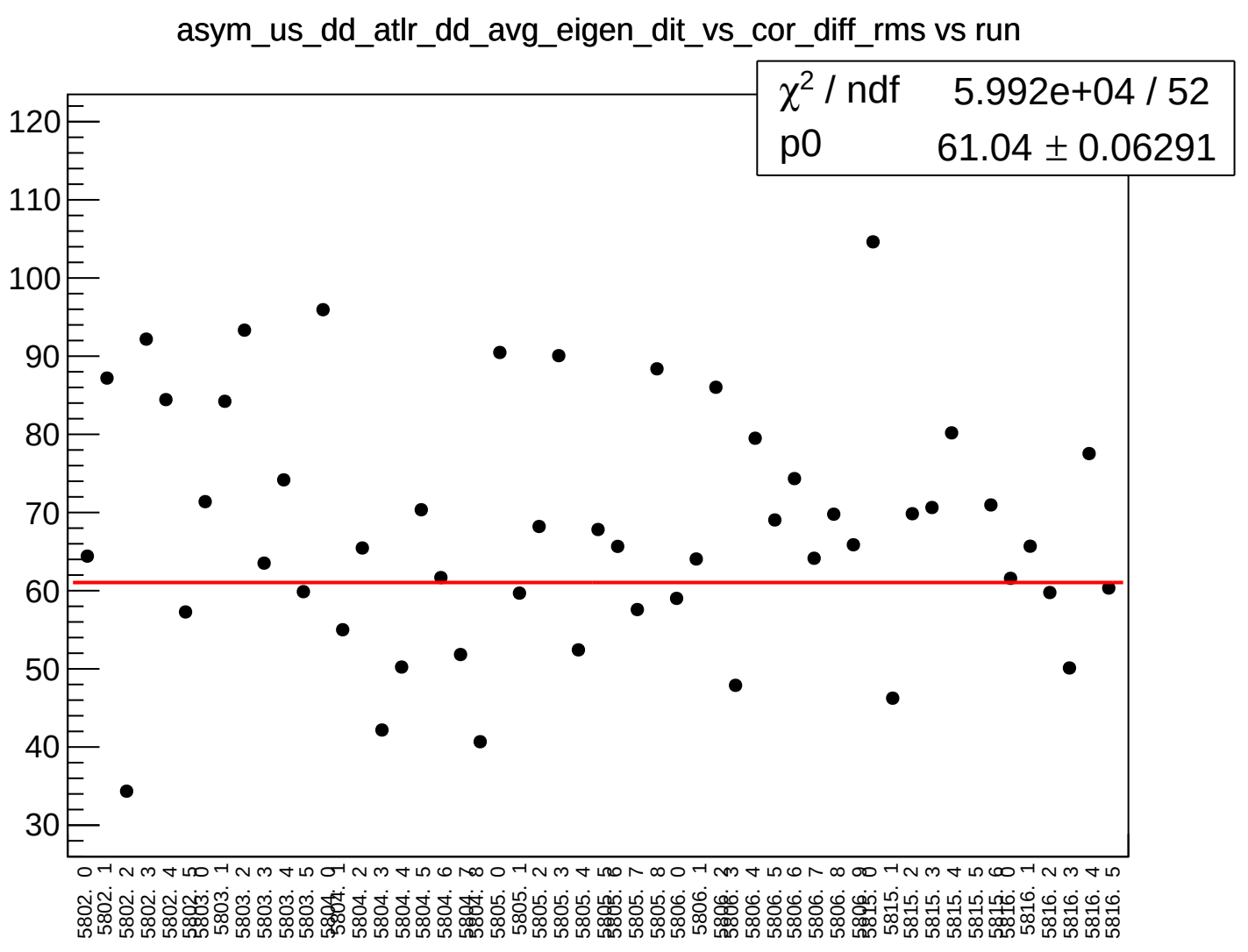

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.992e+04 / 52
p0 61.04 ± 0.0629
120
110
100
90
80
70
60
50
40
30

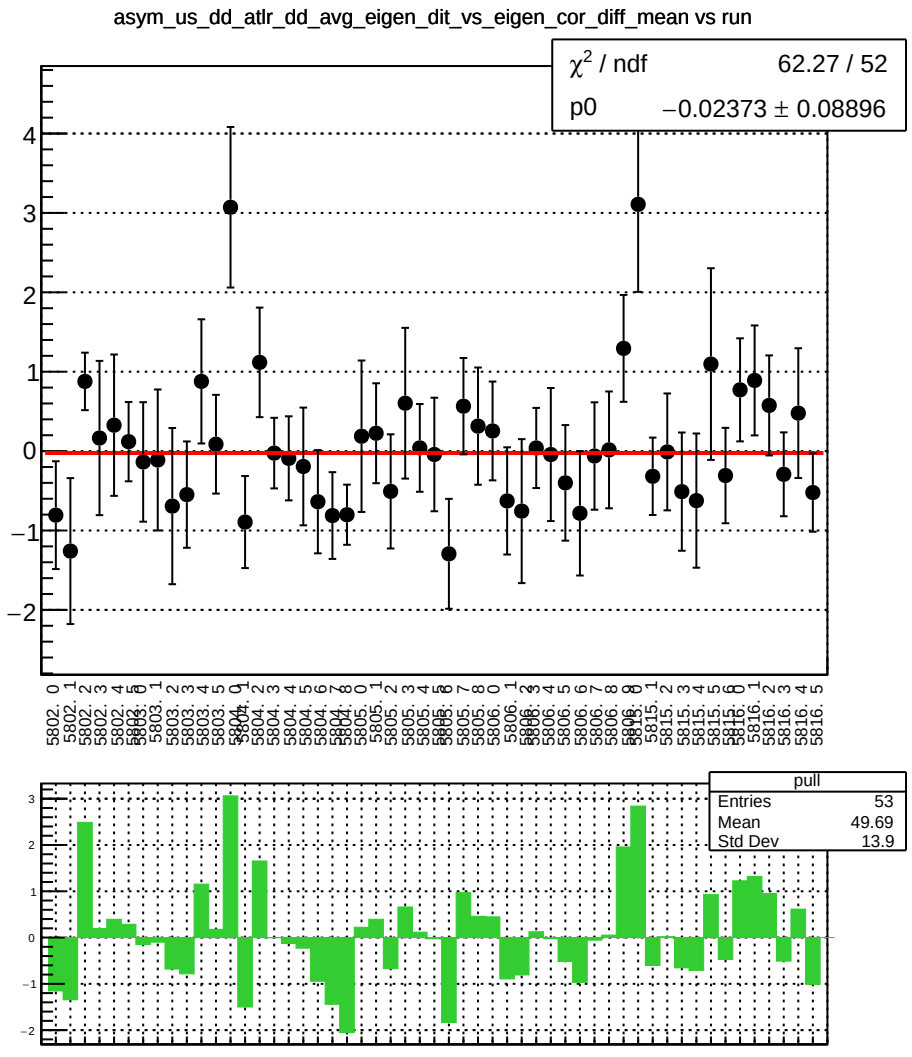

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.08 / 52
p0 −3.005e−06 ± 1.037e−05
pull
Entries 53
Mean −96.61
Std Dev 0

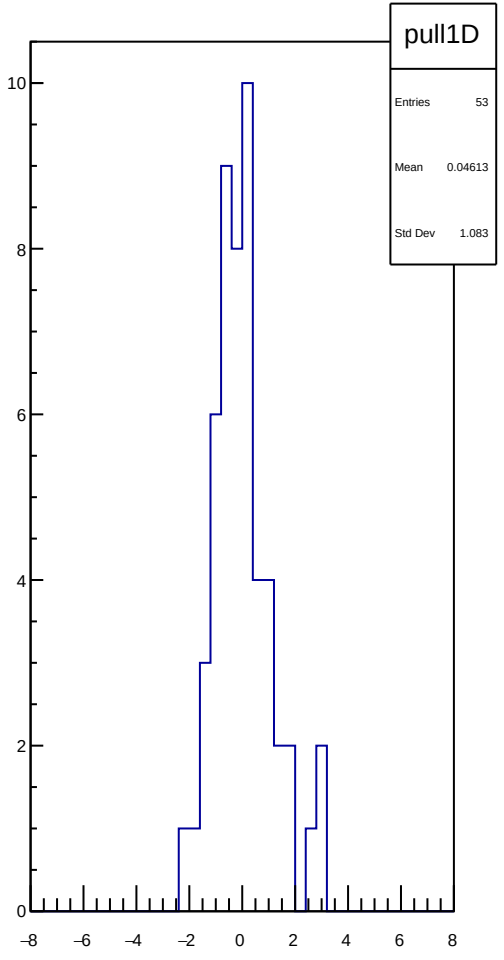

pull1D
Entries 53
Mean 0.02444
Std Dev 1.064

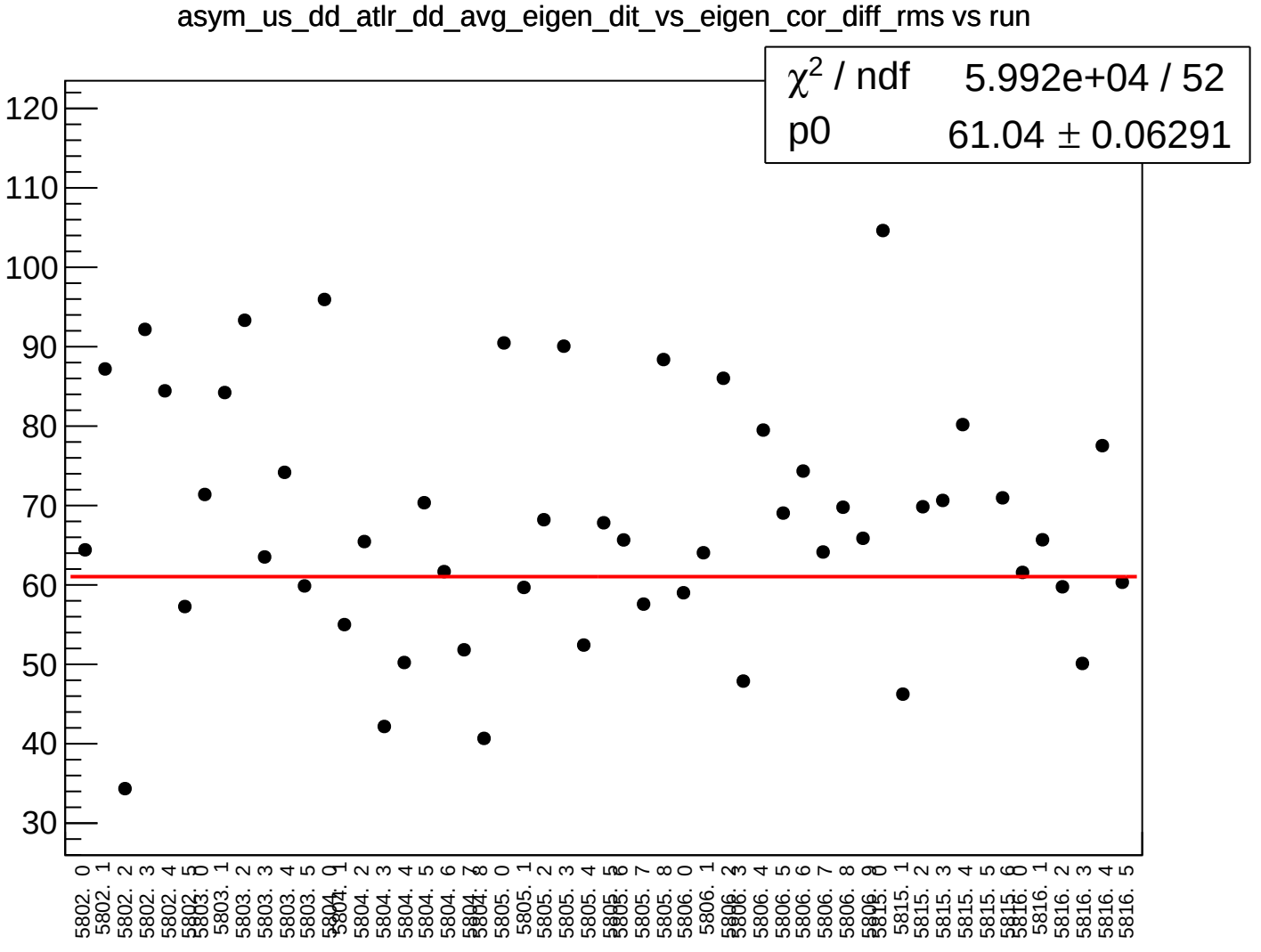

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3156 / 52
p0 0.007326 ± 7.332e−06
0.0085
0.008
0.0075
0.007
0.0065

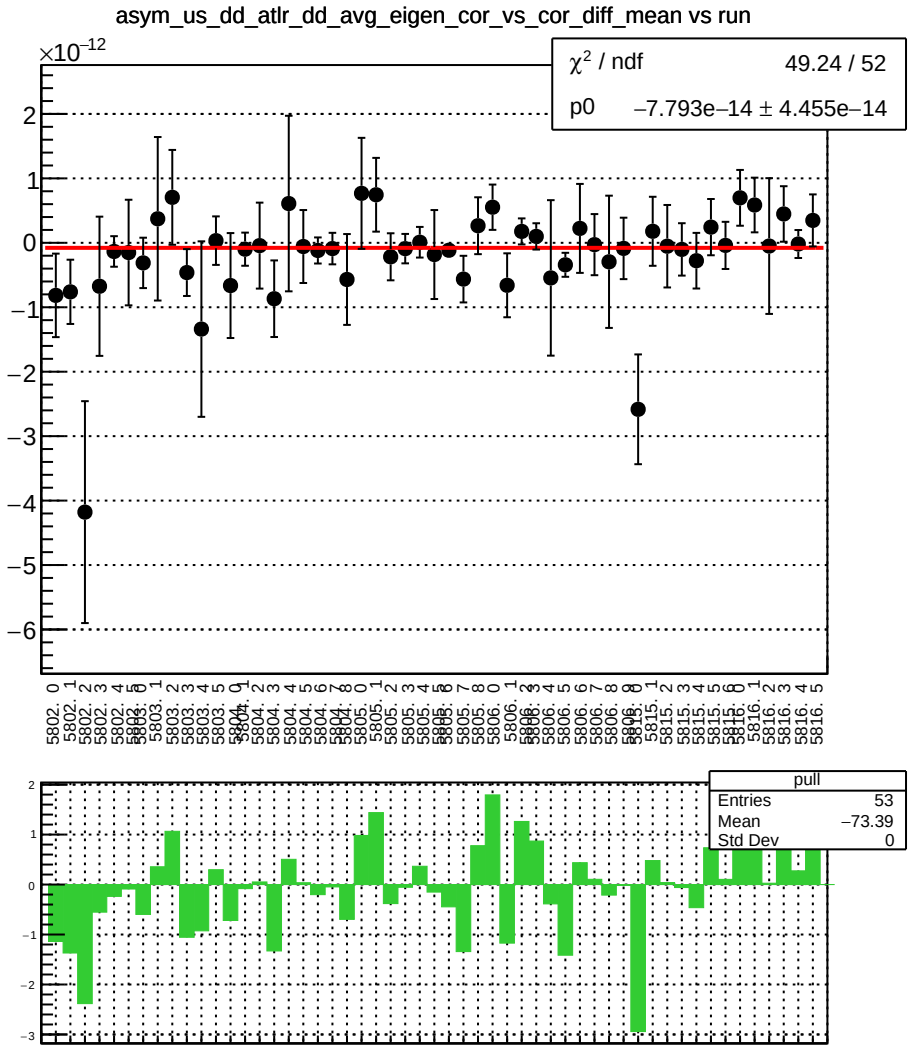

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.27 / 52
p0 −0.02373 ± 0.08896
pull
Entries 53
Mean 49.69
Std Dev 13.9
pull1D
Entries 53
Mean 0.04613
Std Dev 1.083

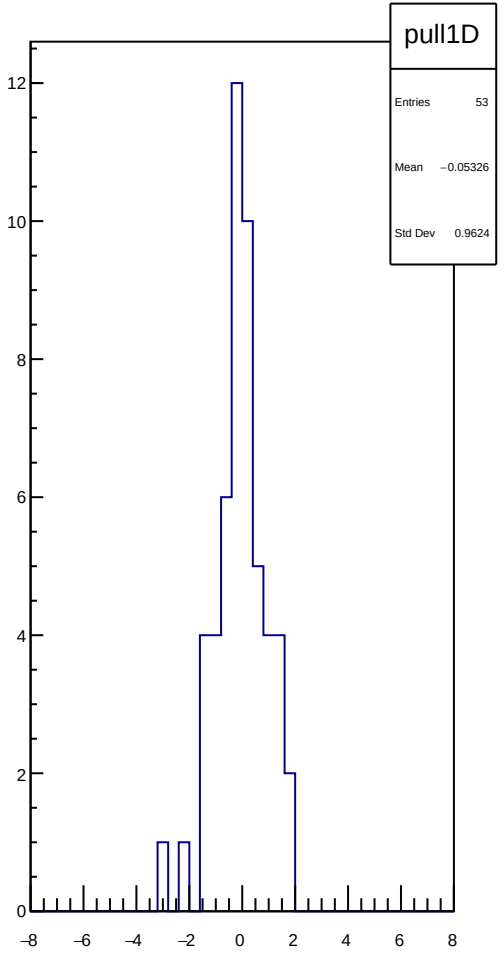

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.992e+04 / 52
p0 61.04 ± 0.06291
120
110
100
90
80
70
60
50
40
30

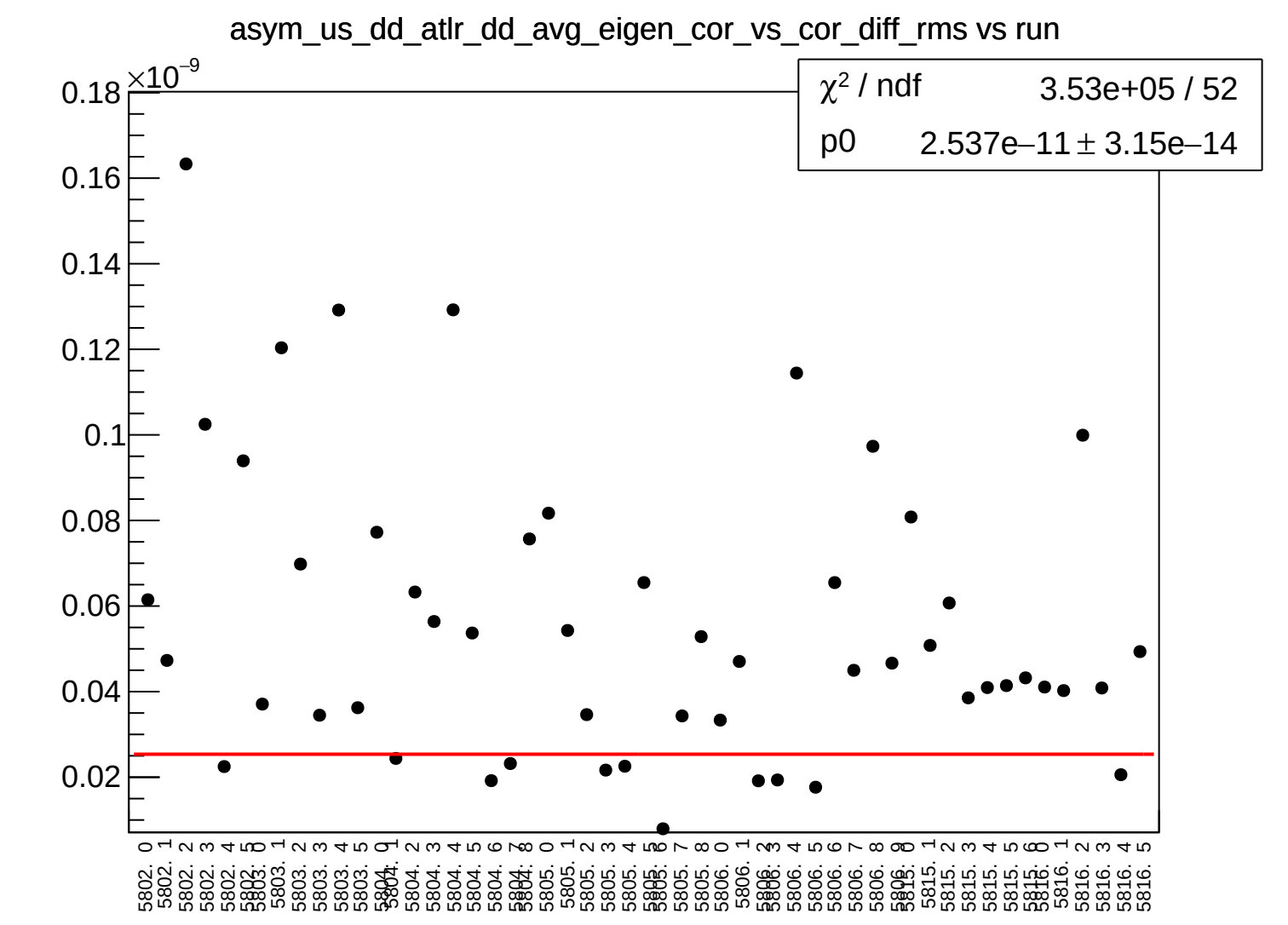

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.27 / 52
p0 −0.02373 ± 0.08896
pull
Entries 53
Mean 49.69
Std Dev 13.9

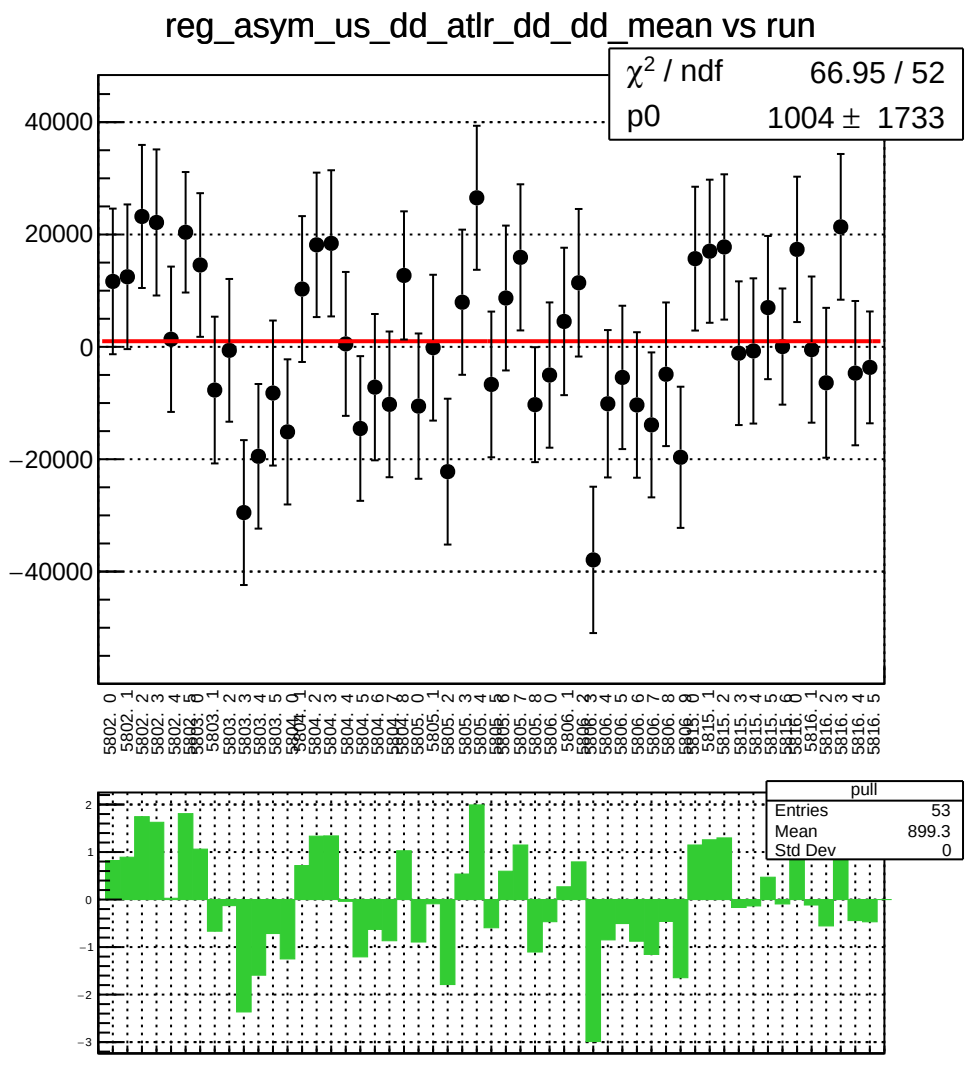

pull1D
Entries 53
Mean 0.04613
Std Dev 1.083

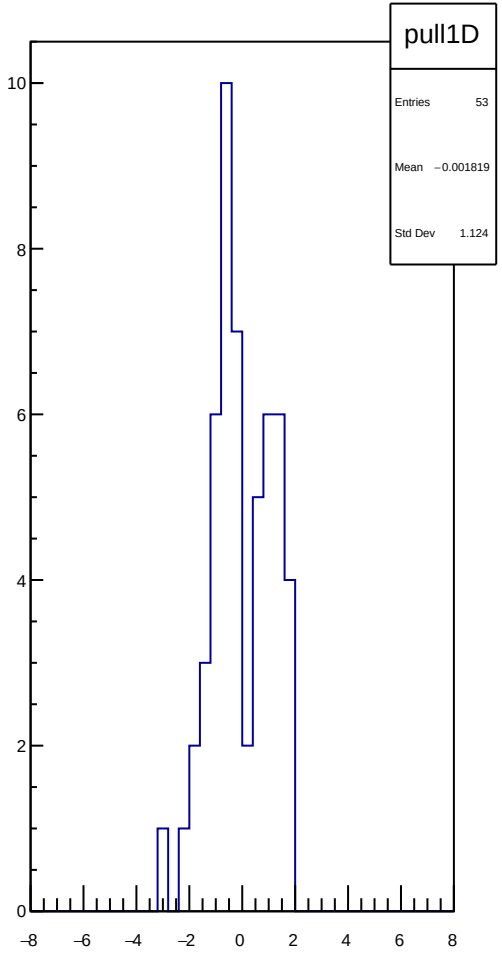

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.992e+04 / 52
p0 61.04 ± 0.06291
120
110
100
90
80
70
60
50
40
30

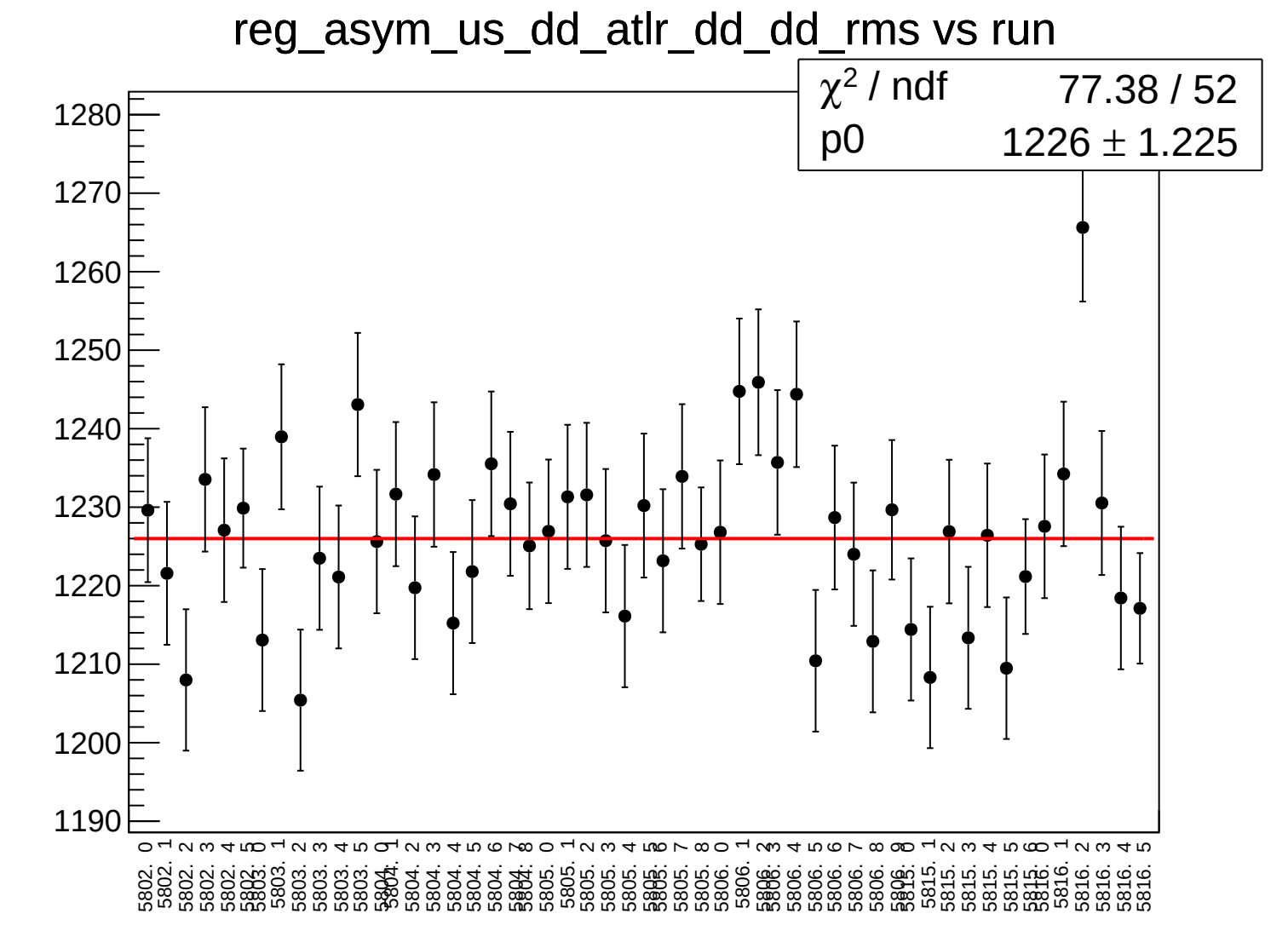

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.24 / 52
p0 −7.793e−14 ± 4.455e−14
pull
Entries 53
Mean −73.39
Std Dev 0

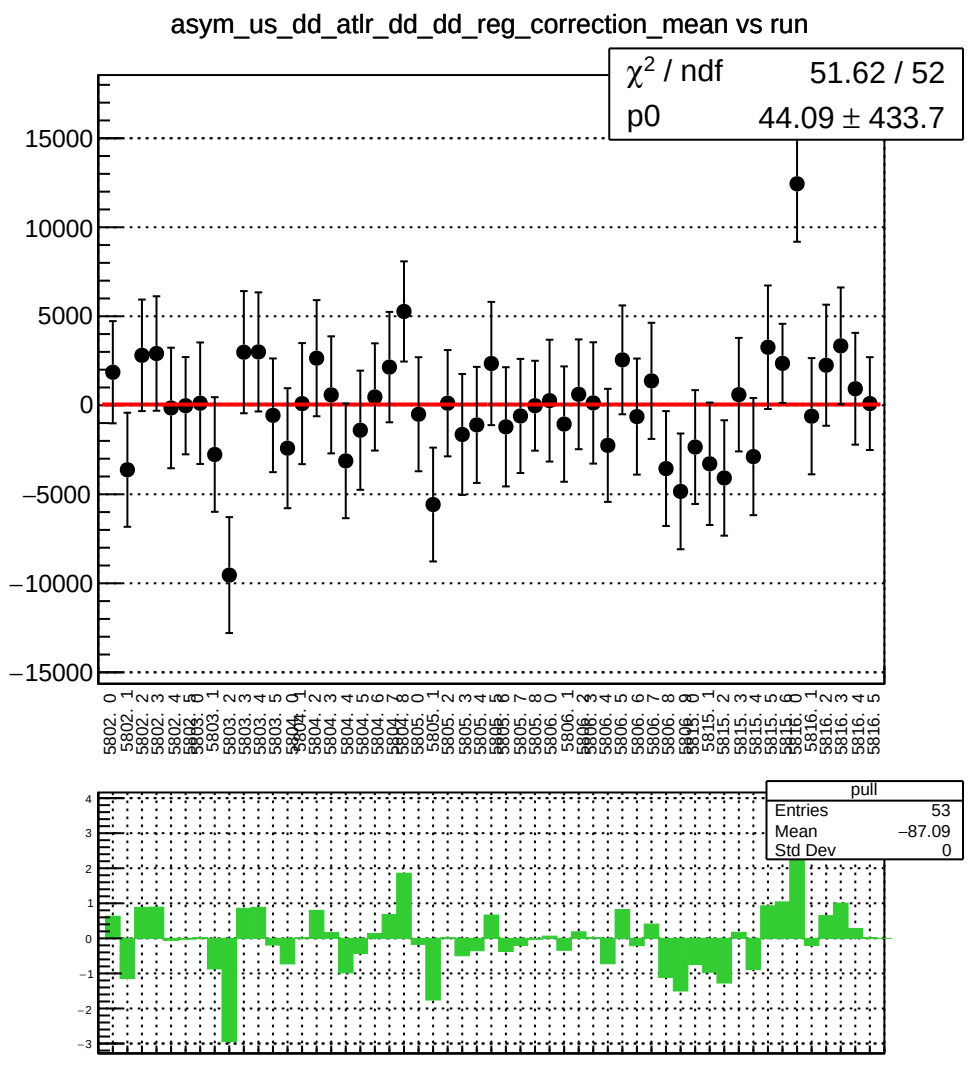

pull1D
Entries 53
Mean −0.05326
Std Dev 0.9624

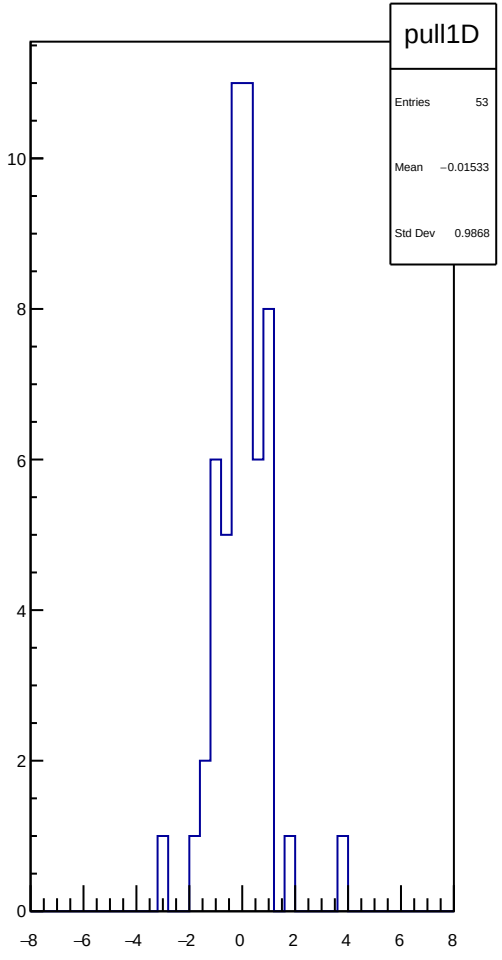

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.53e+05 / 52
p0 2.537e−11 ± 3.15e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

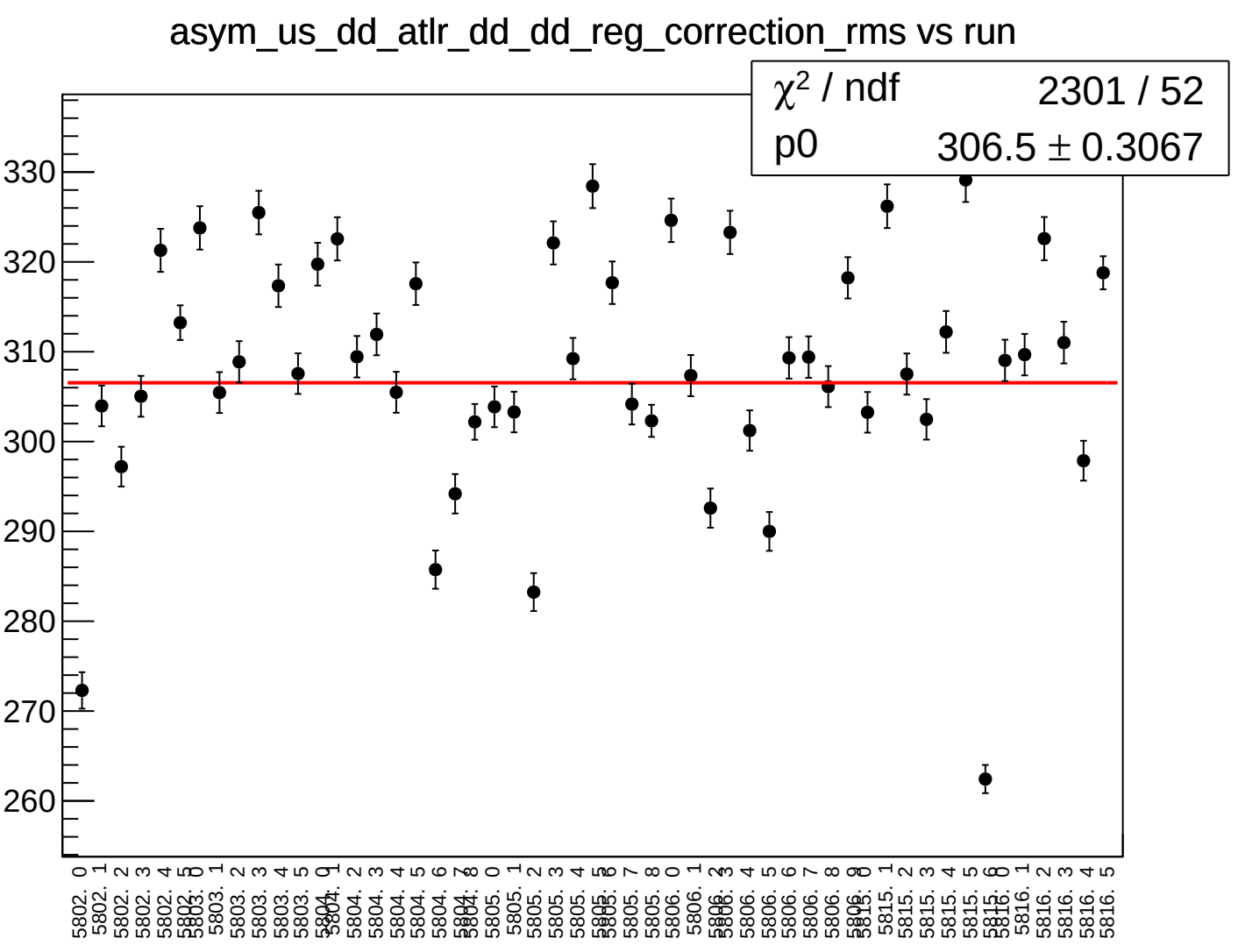

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 66.95 / 52
p0 1004 ± 1733
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 899.3
Std Dev 0
2
1
0
−1
−2
−3

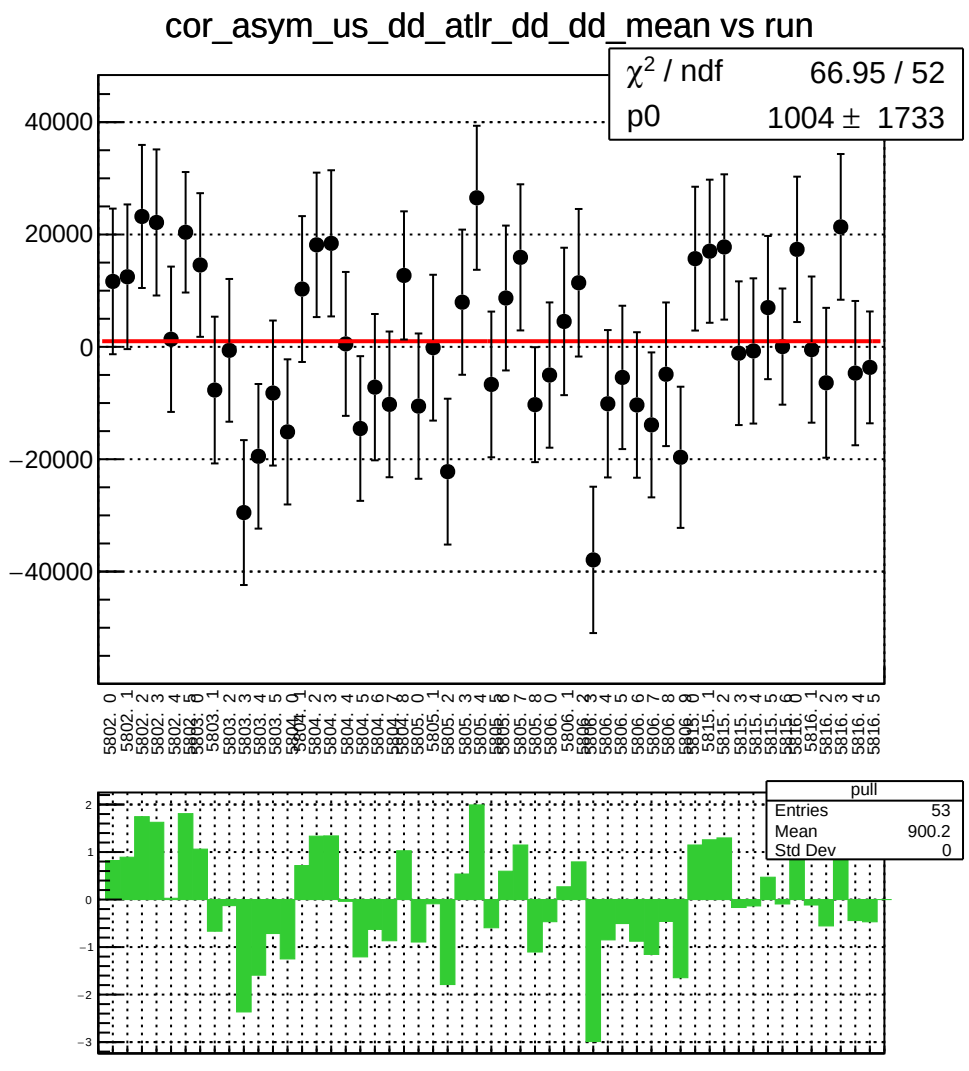

pull1D
Entries 53
Mean −0.001819
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

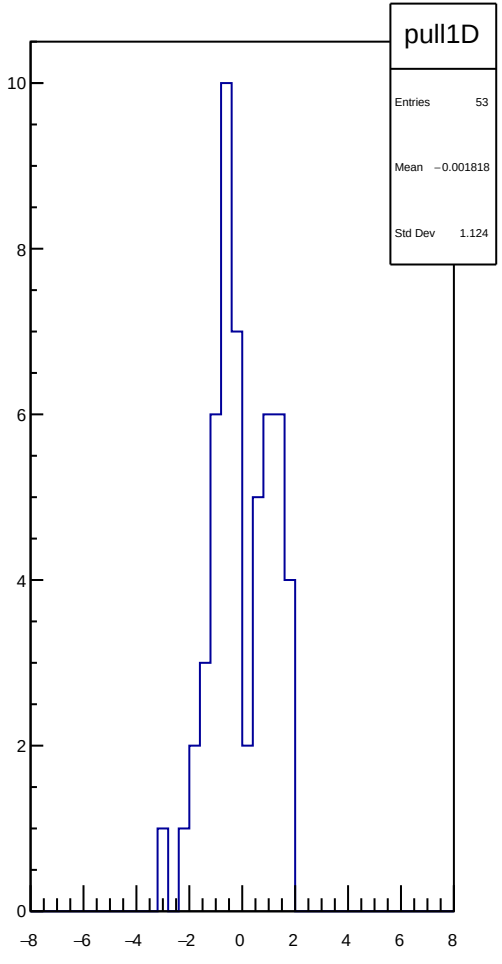

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 77.38 / 52
p0 1226 ± 1.225
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190

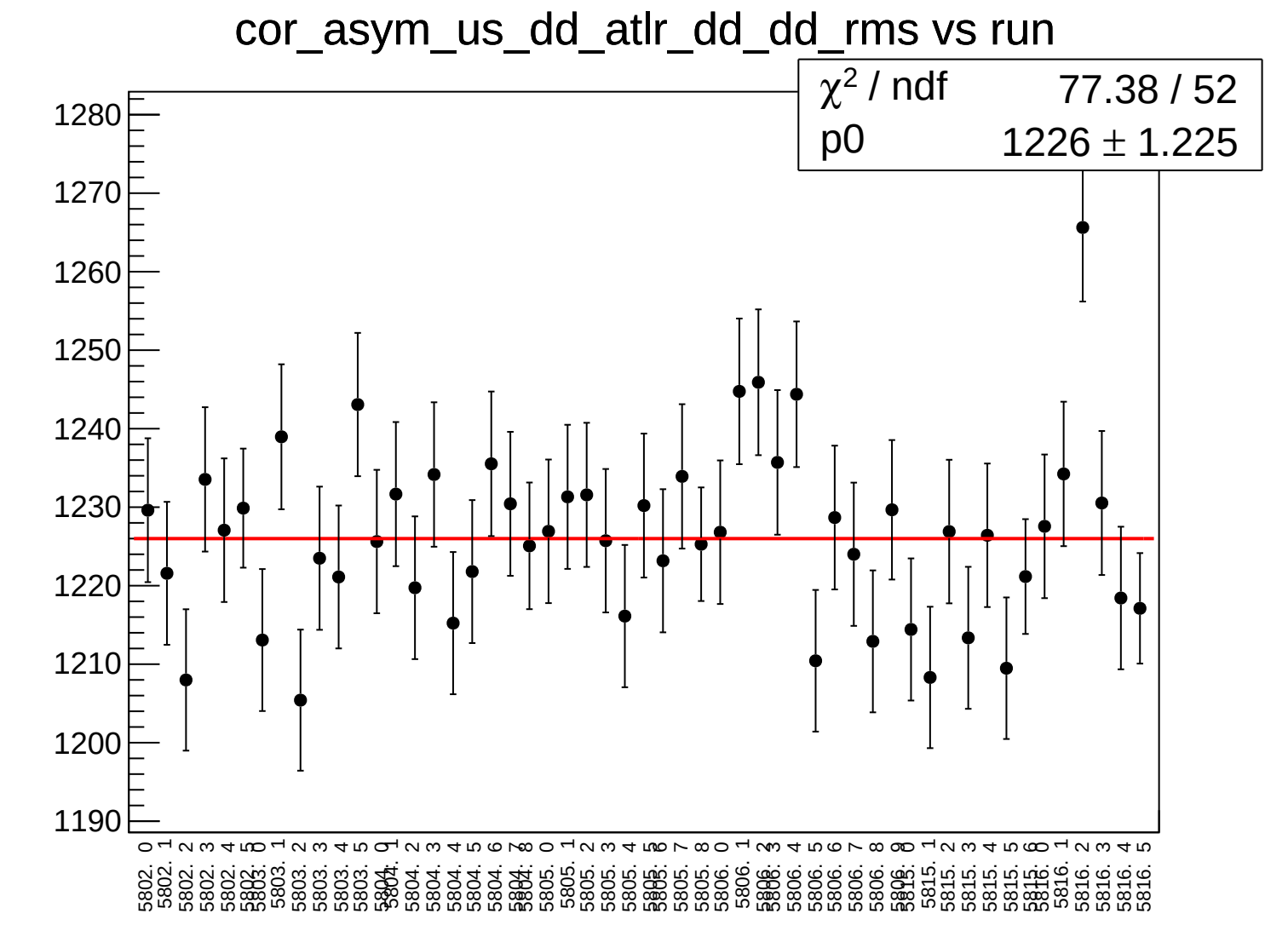

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 51.62 / 52
p0 44.09 ± 433.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −87.09
Std Dev 0
4
3
2
1
0
−1
−2
−3

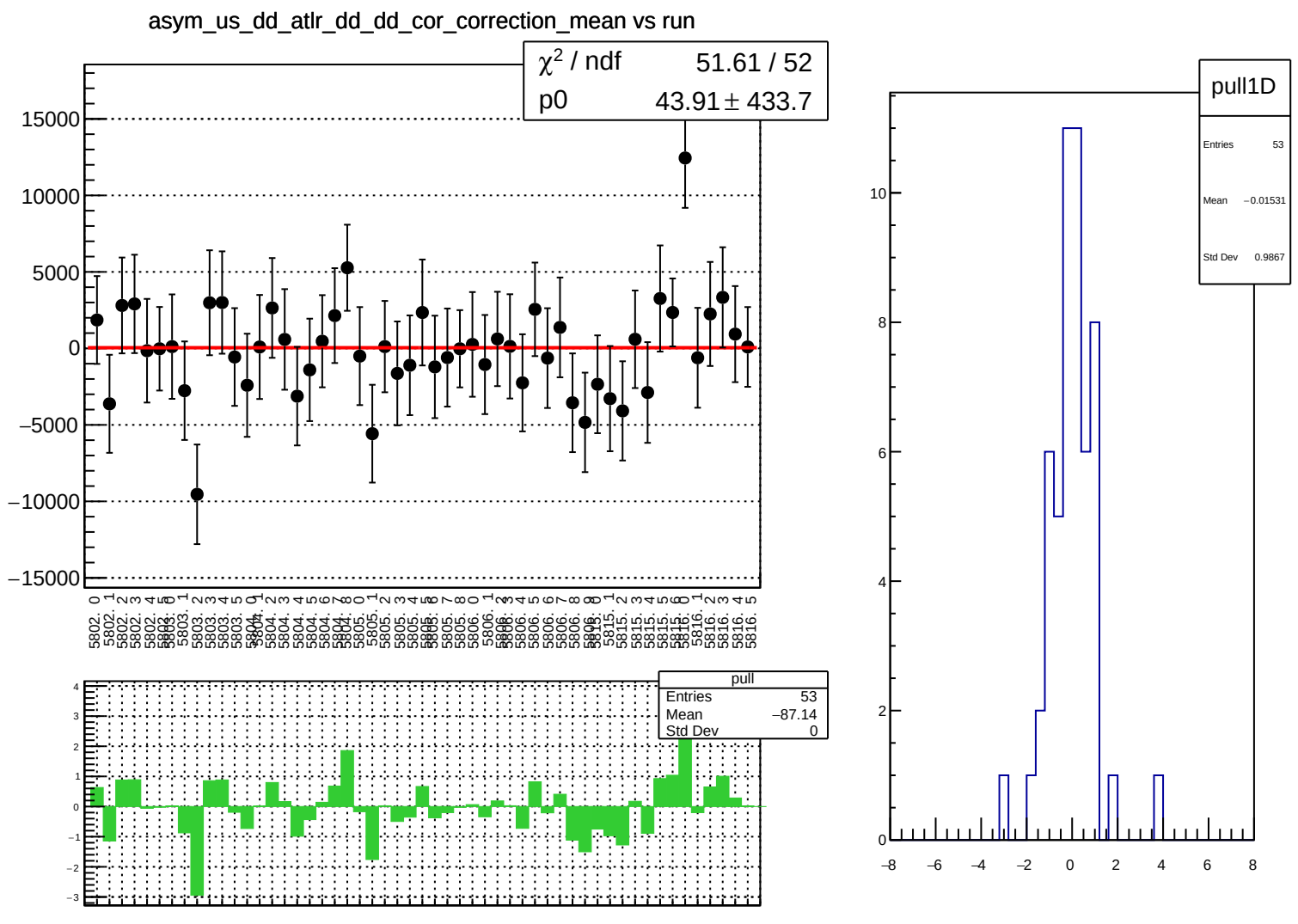

pull1D
Entries 53
Mean −0.01533
Std Dev 0.9868
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

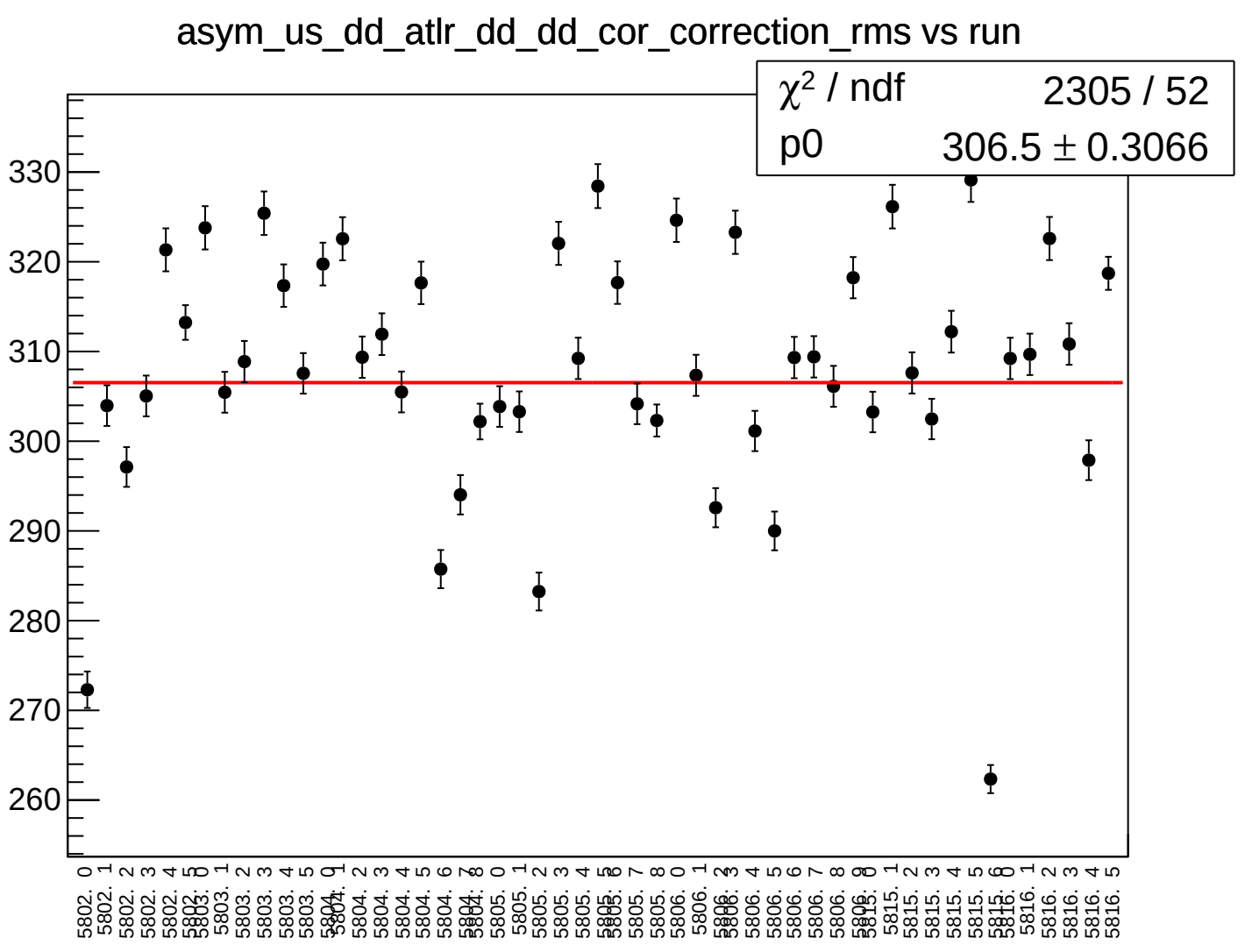

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 2301 / 52
p0 306.5 ± 0.3067
330
320
310
300
290
280
270
260


cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 66.95 / 52
p0 1004 ± 1733
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 900.2
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.001818
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 77.38 / 52
p0 1226 ± 1.225
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190


asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 51.61 / 52
p0 43.91 ± 433.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −87.14
Std Dev 0
4
3
2
1
0
−1
−2
−3
pull1D
Entries 53
Mean −0.01531
Std Dev 0.9867
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 2305 / 52
p0 306.5 ± 0.3066
330
320
310
300
290
280
270
260
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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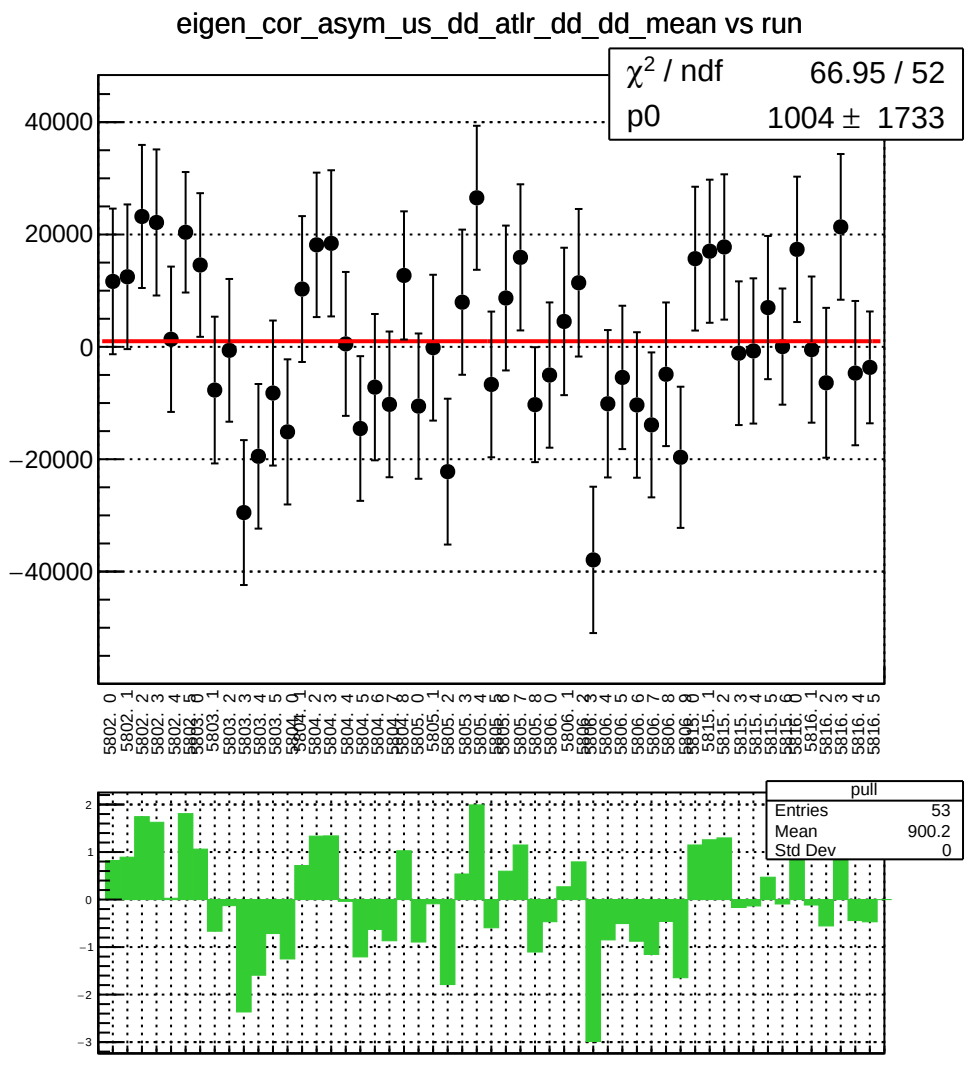
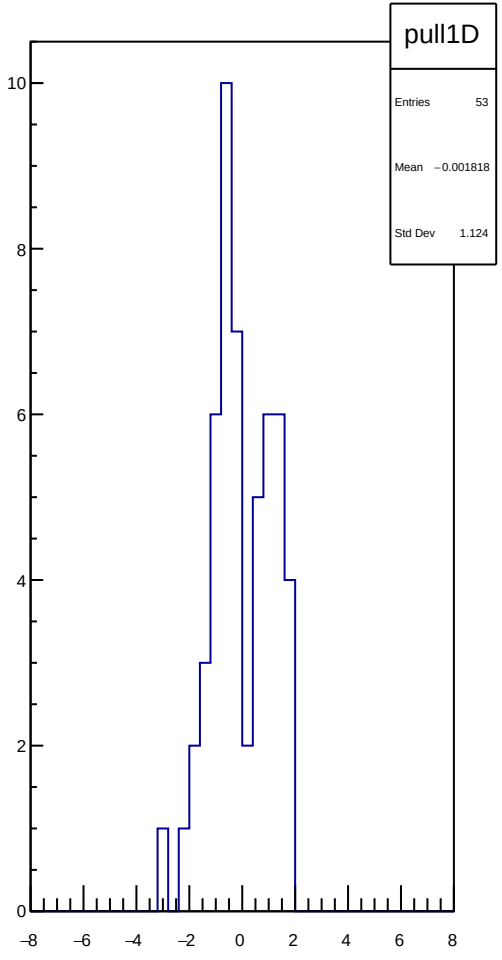
5816. 4
5816. 5


eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 66.95 / 52
p0 1004 ± 1733
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 900.2
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.001818
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
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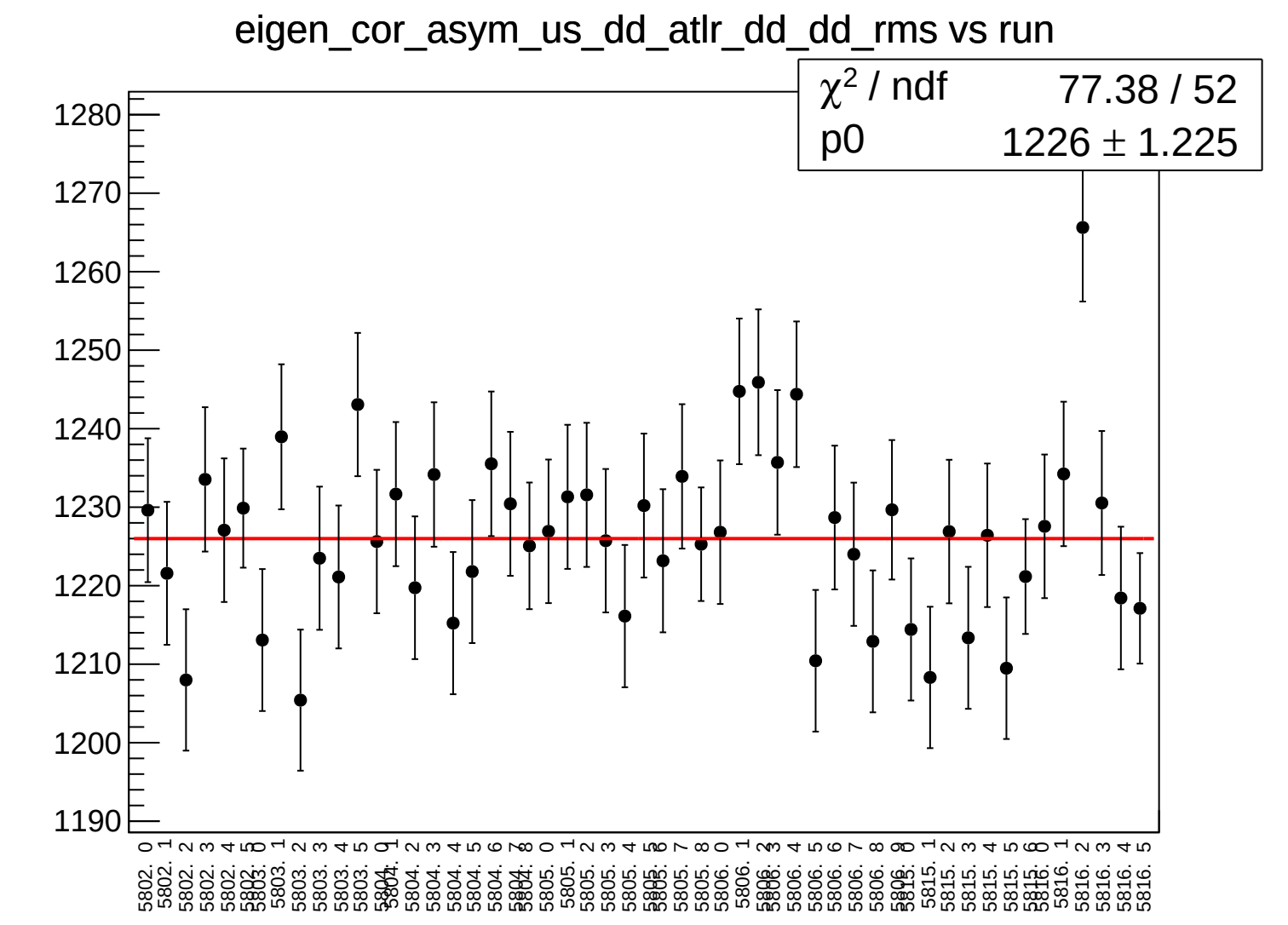
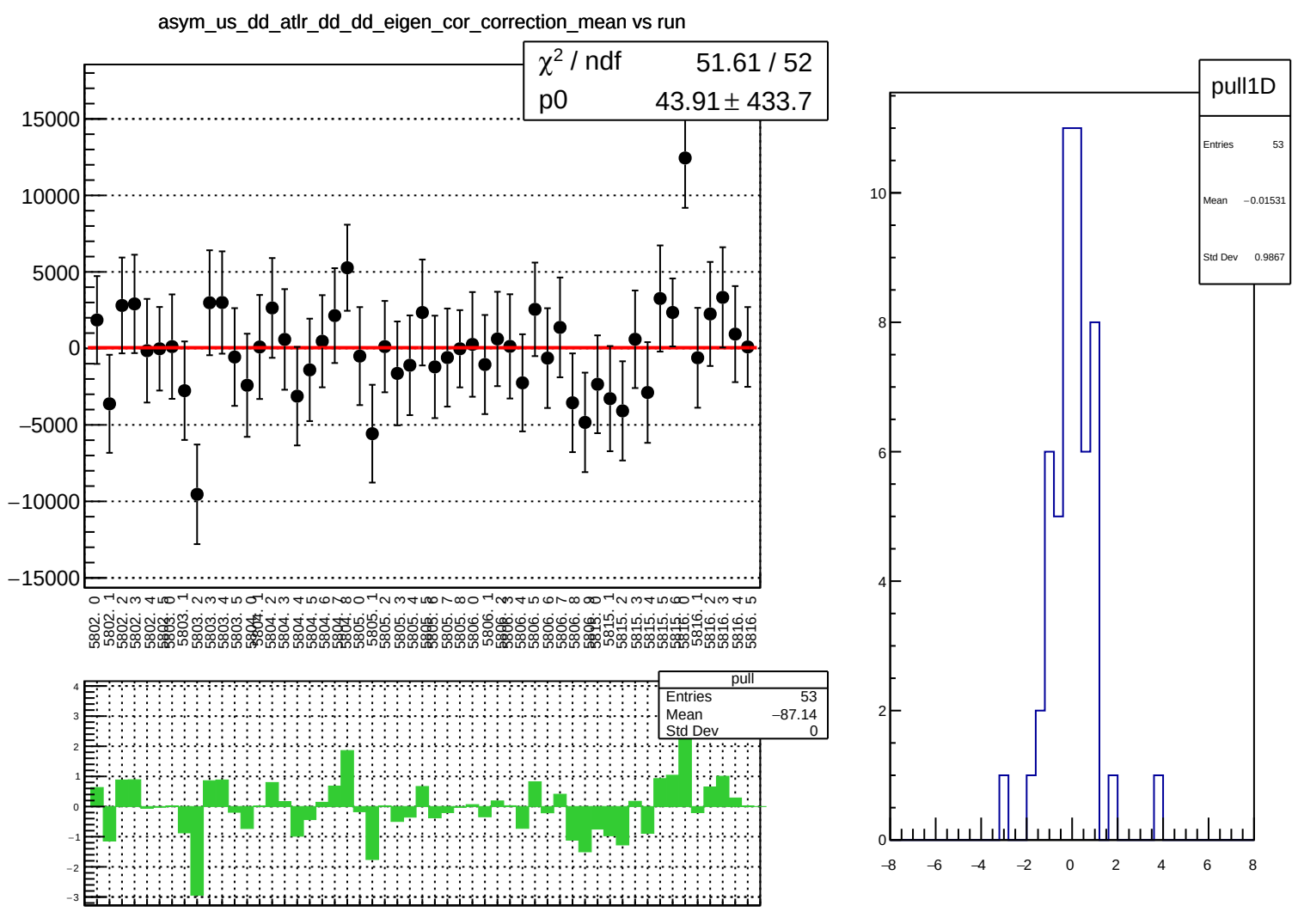
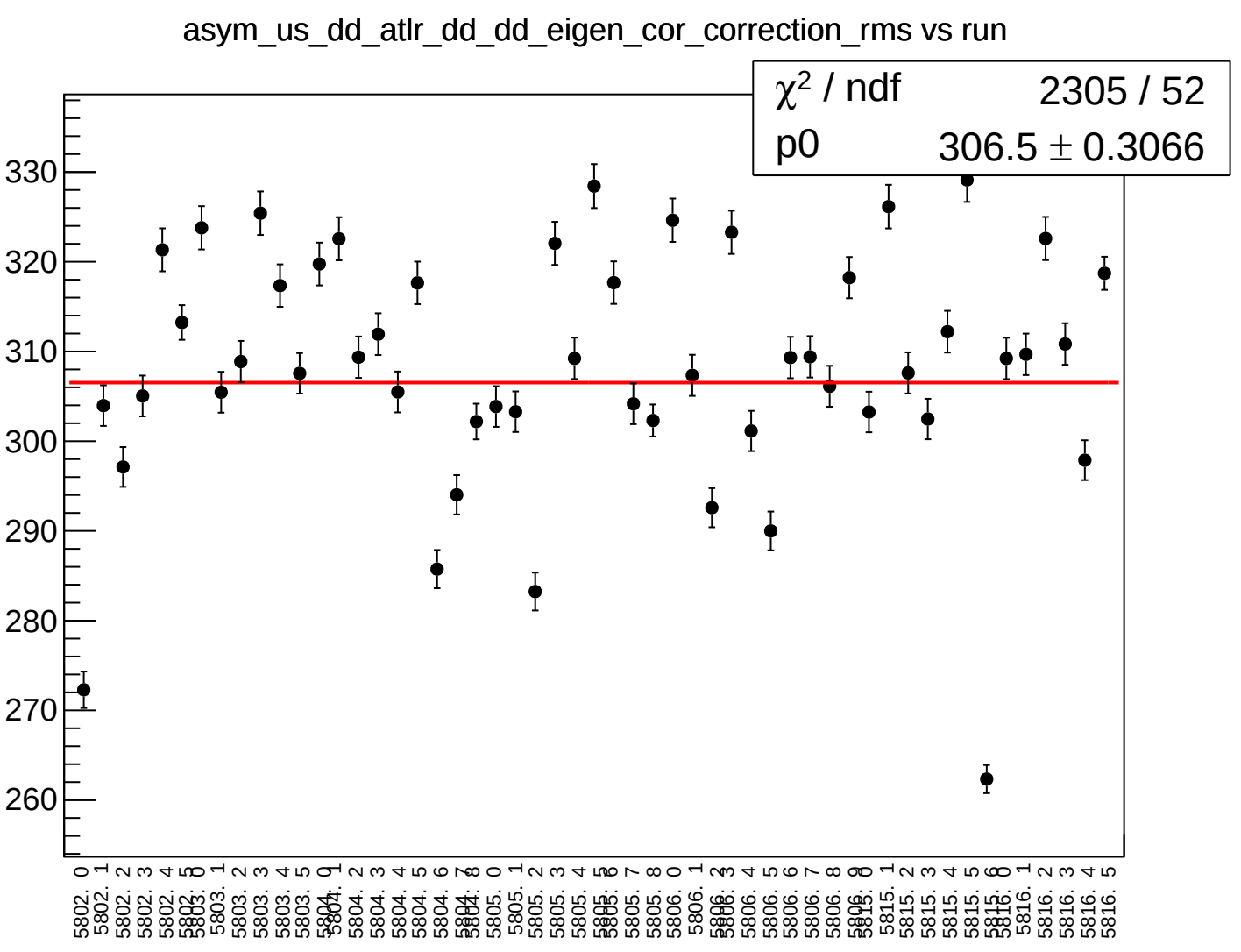
2
4
6
8


eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 77.38 / 52
p0 1226 ± 1.225
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.61 / 52
p0 43.91 ± 433.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −87.14
Std Dev 0
4
3
2
1
0
−1
−2
−3
pull1D
Entries 53
Mean −0.01531
Std Dev 0.9867
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 2305 / 52
p0 306.5 ± 0.3066
330
320
310
300
290
280
270
260
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 3
5815. 4
5815. 5
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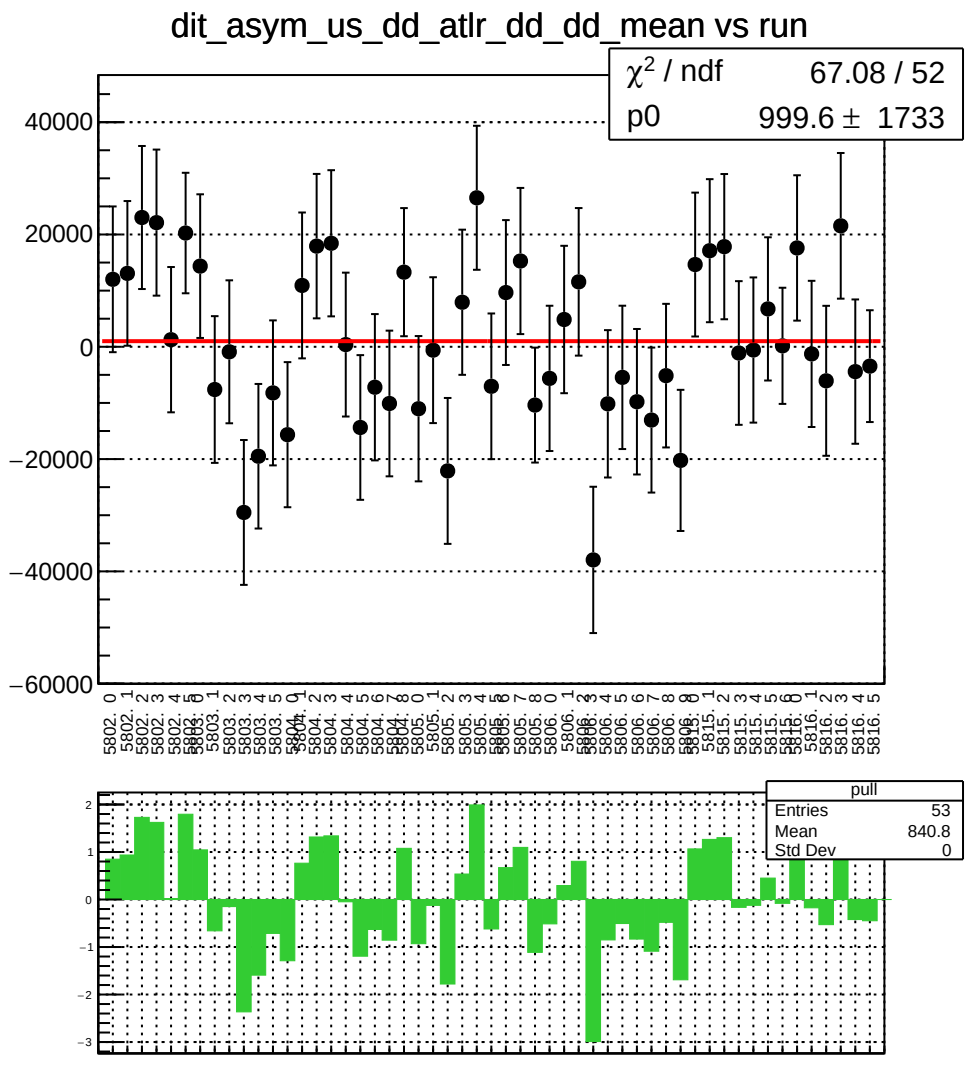
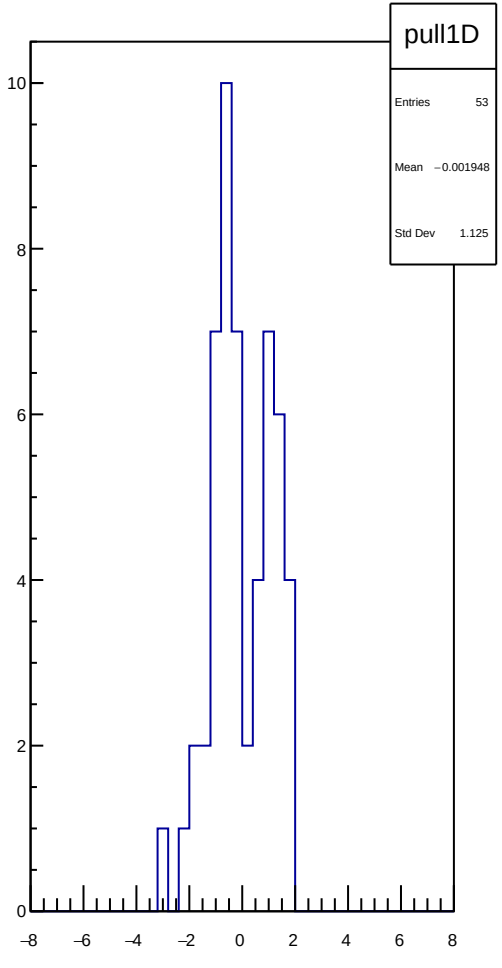
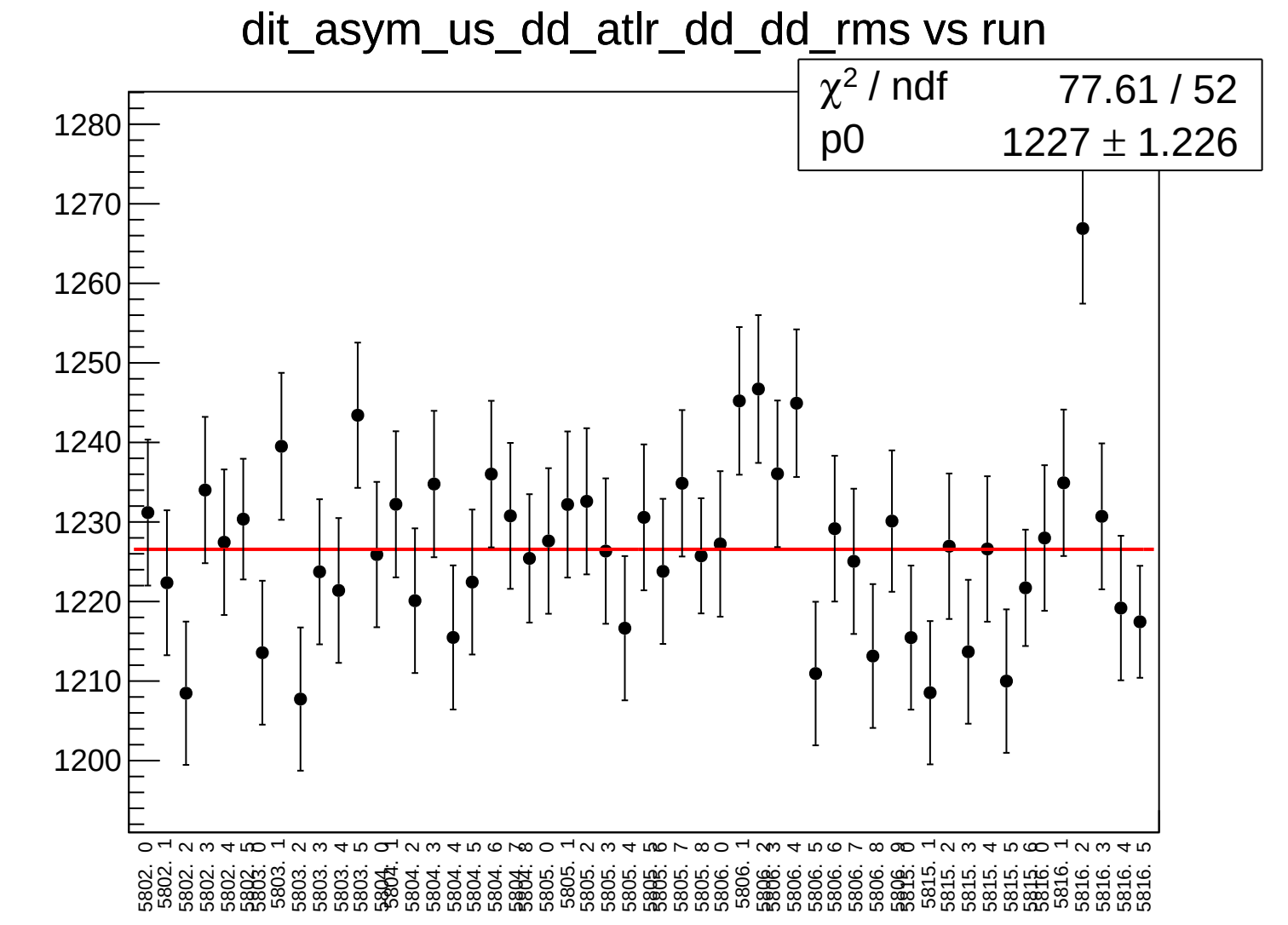
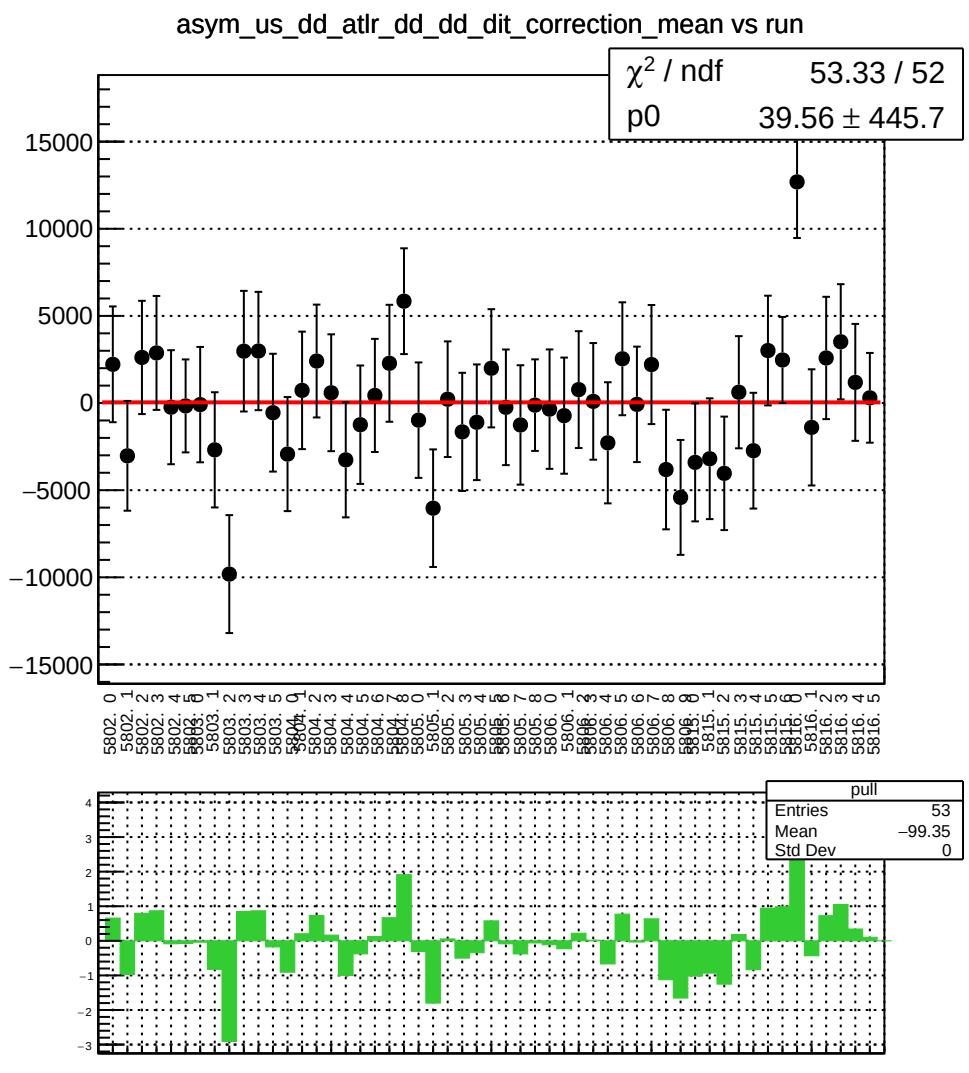
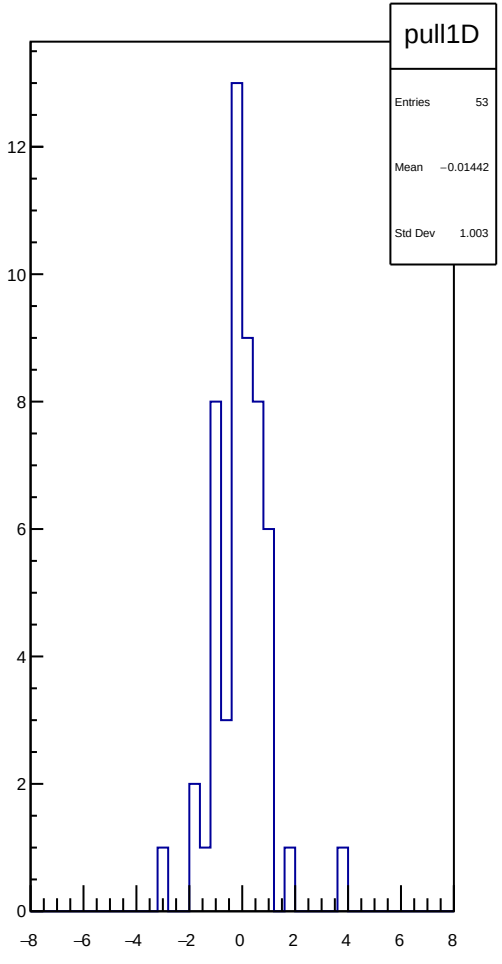
5816. 4
5816. 5

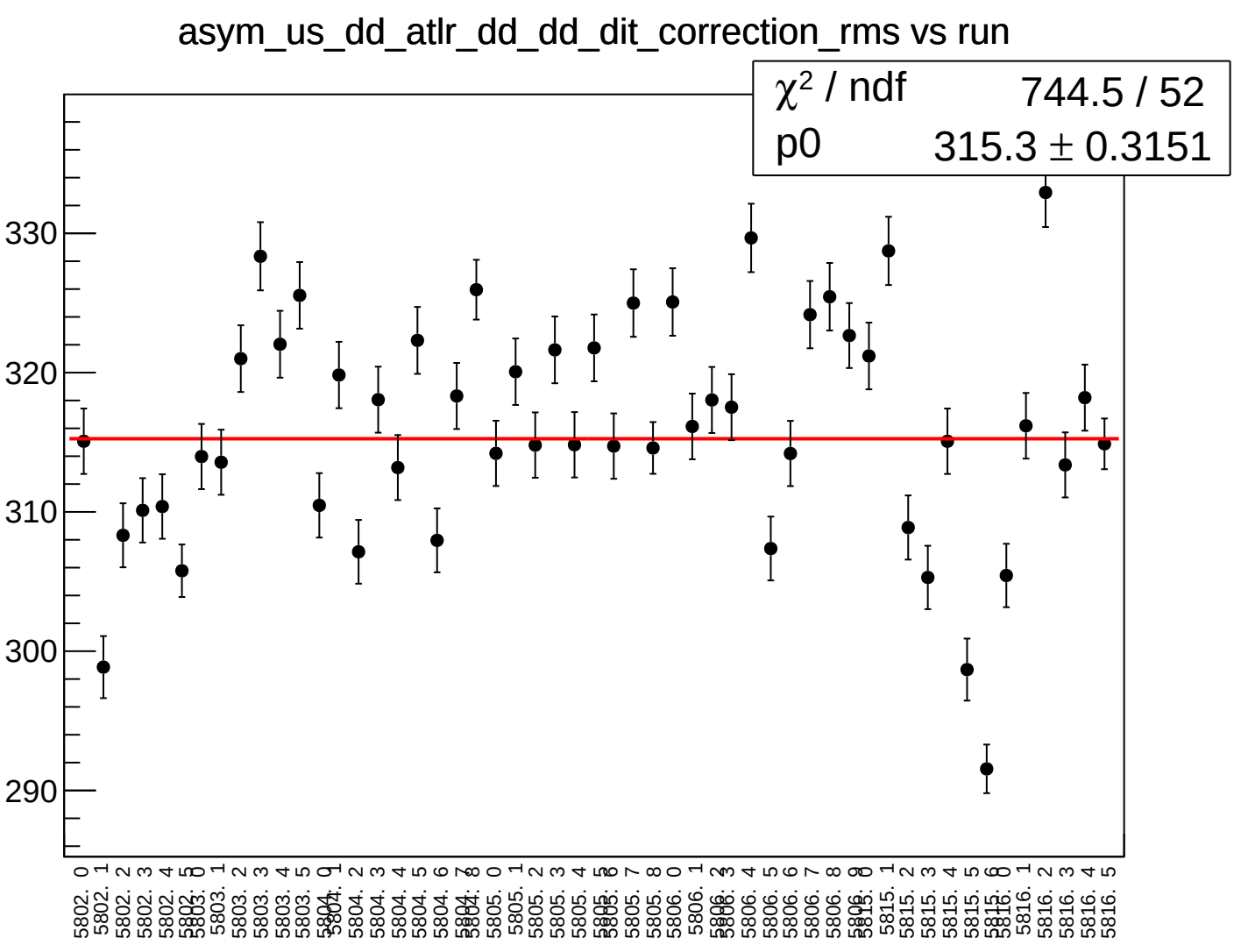

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 67.08 / 52
p0 999.6 ± 1733
pull
Entries 53
Mean 840.8
Std Dev 0


pull1D
Entries 53
Mean −0.001948
Std Dev 1.125


dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 77.61 / 52
p0 1227 ± 1.226
1280
1270
1260
1250
1240
1230
1220
1210
1200


asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 53.33 / 52
p0 39.56 ± 445.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −99.35
Std Dev 0


pull1D
Entries 53
Mean −0.01442
Std Dev 1.003


asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 744.5 / 52
p0 315.3 ± 0.3151
330
320
310
300
290
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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5815. 2
5815. 3
5815. 4
5815. 5
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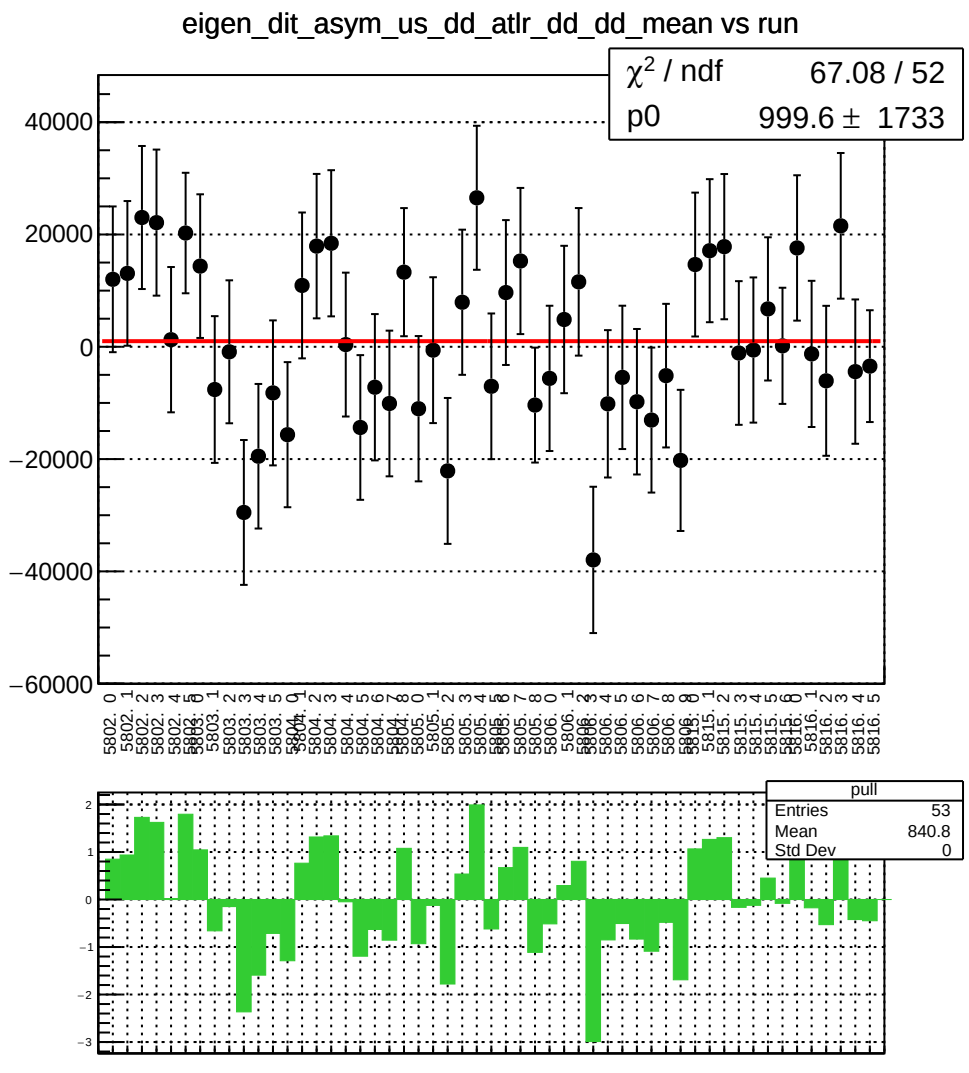
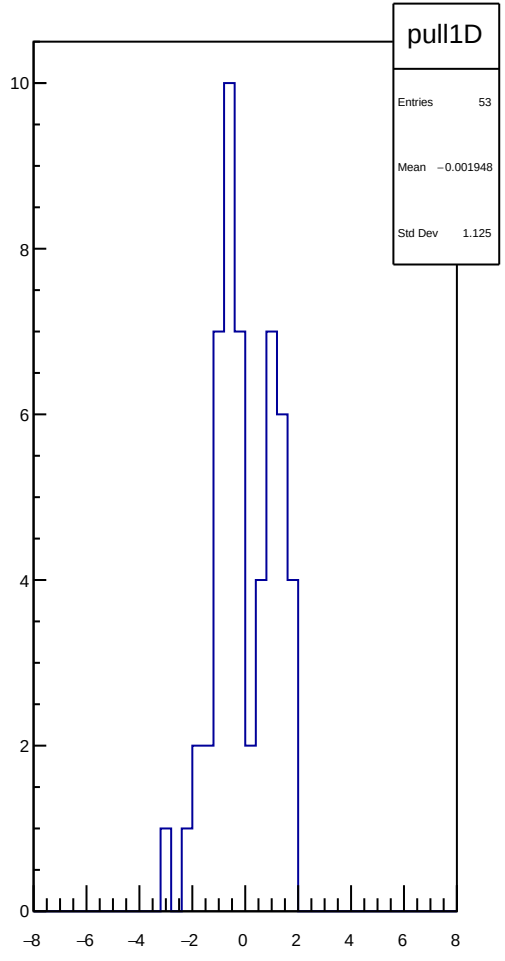
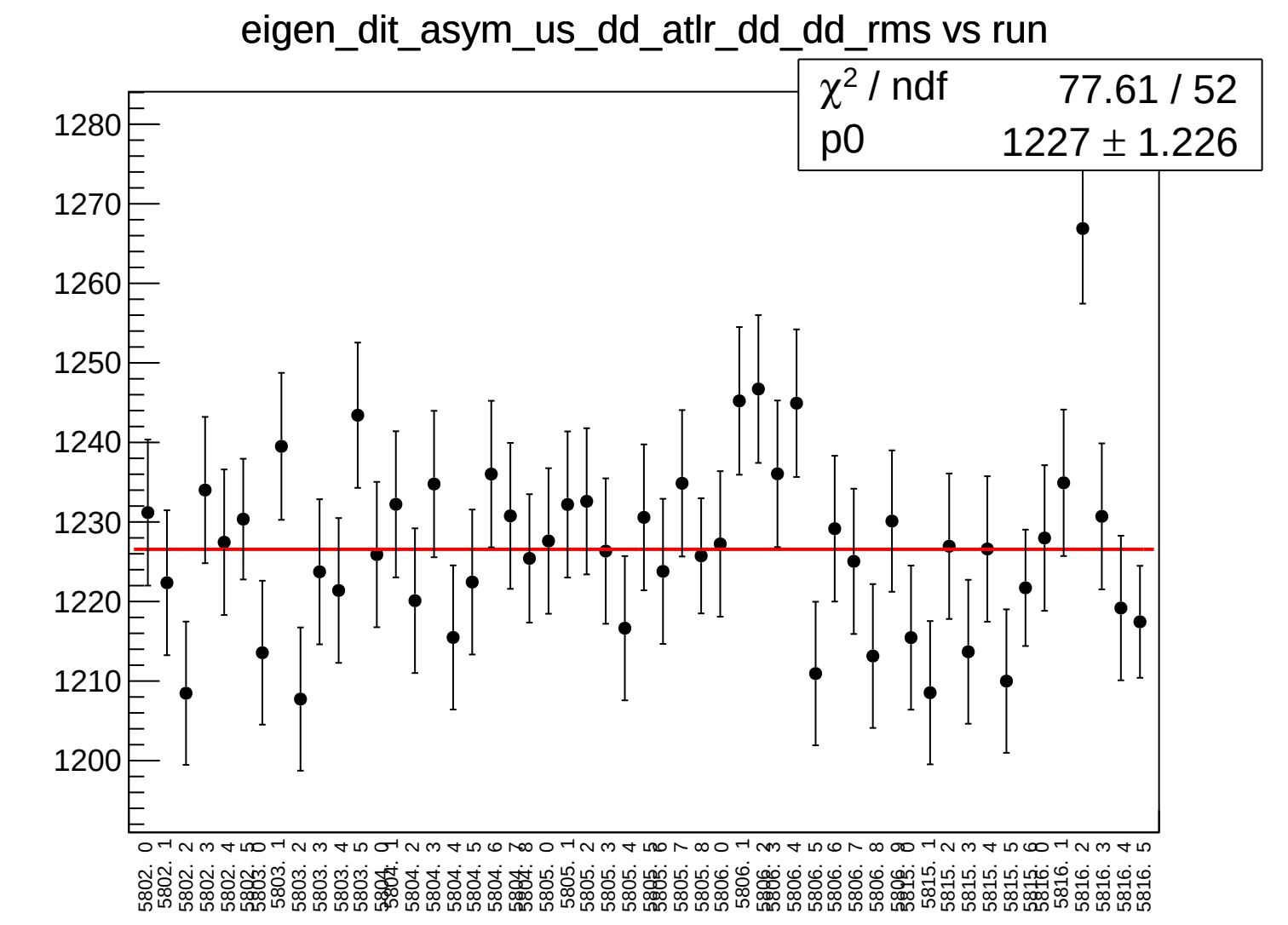
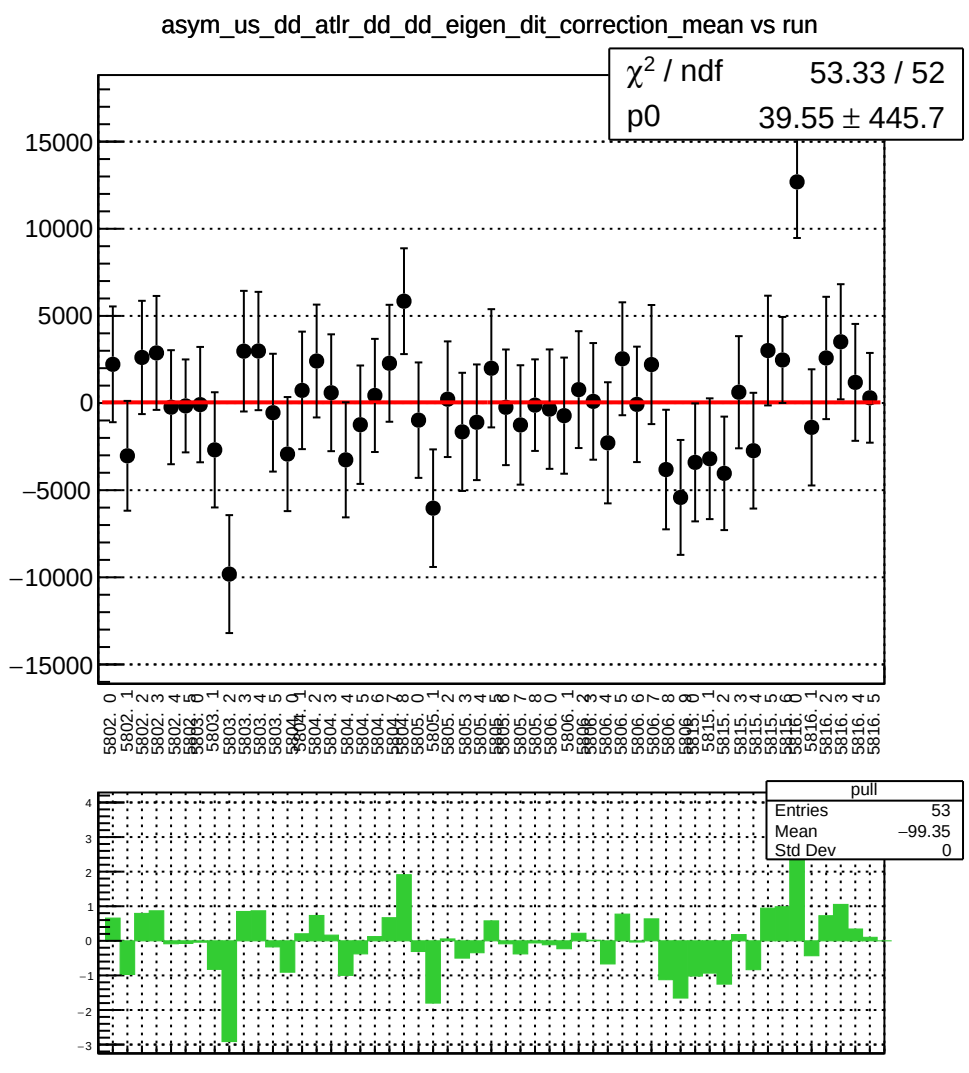
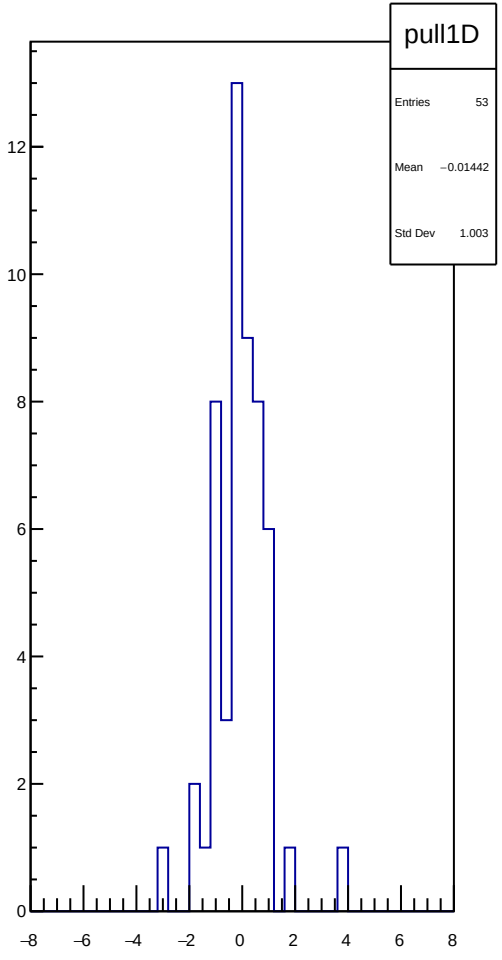
5816. 4
5816. 5

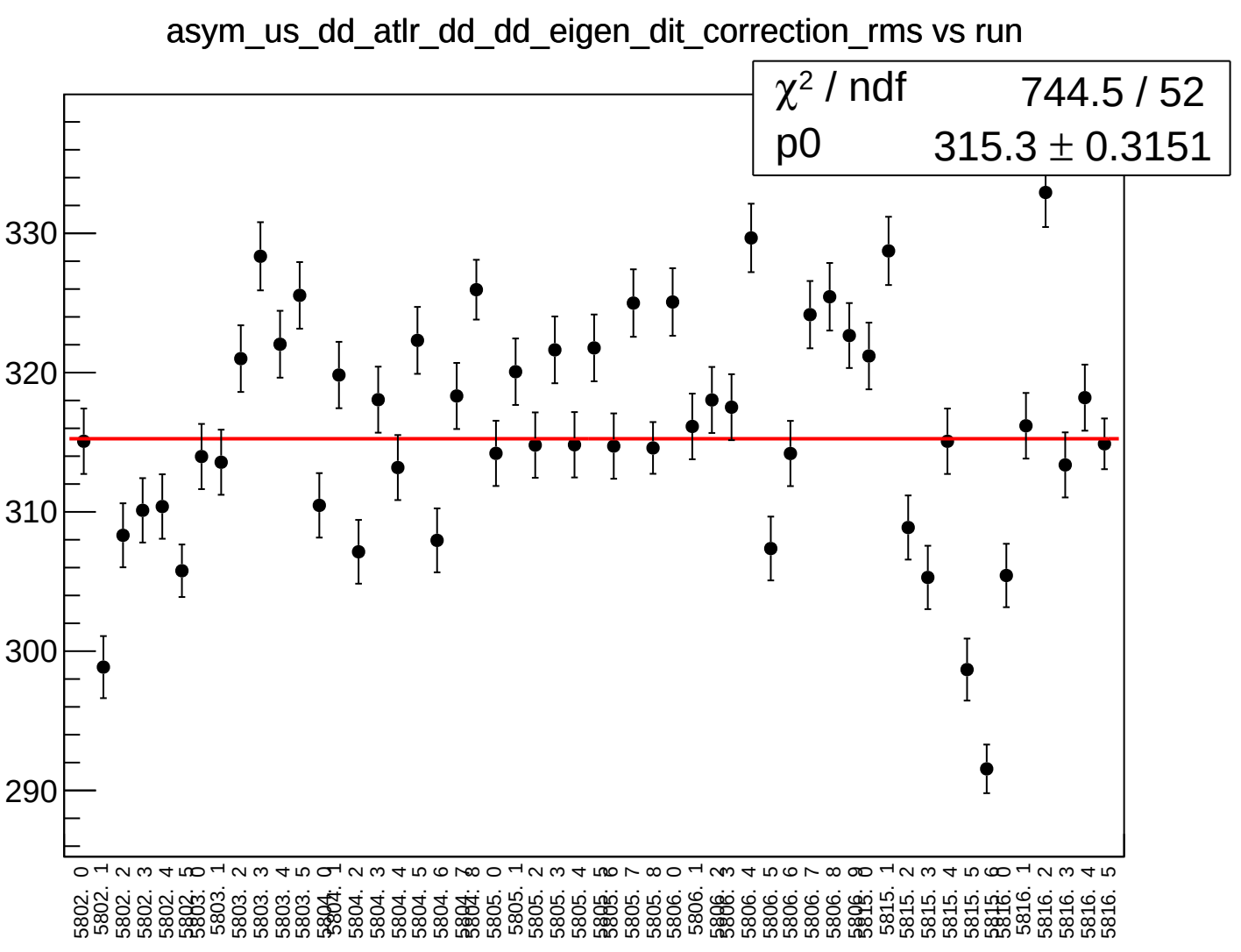

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 67.08 / 52
p0 999.6 ± 1733
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 840.8
Std Dev 0
2
1
0
−1
−2
−3

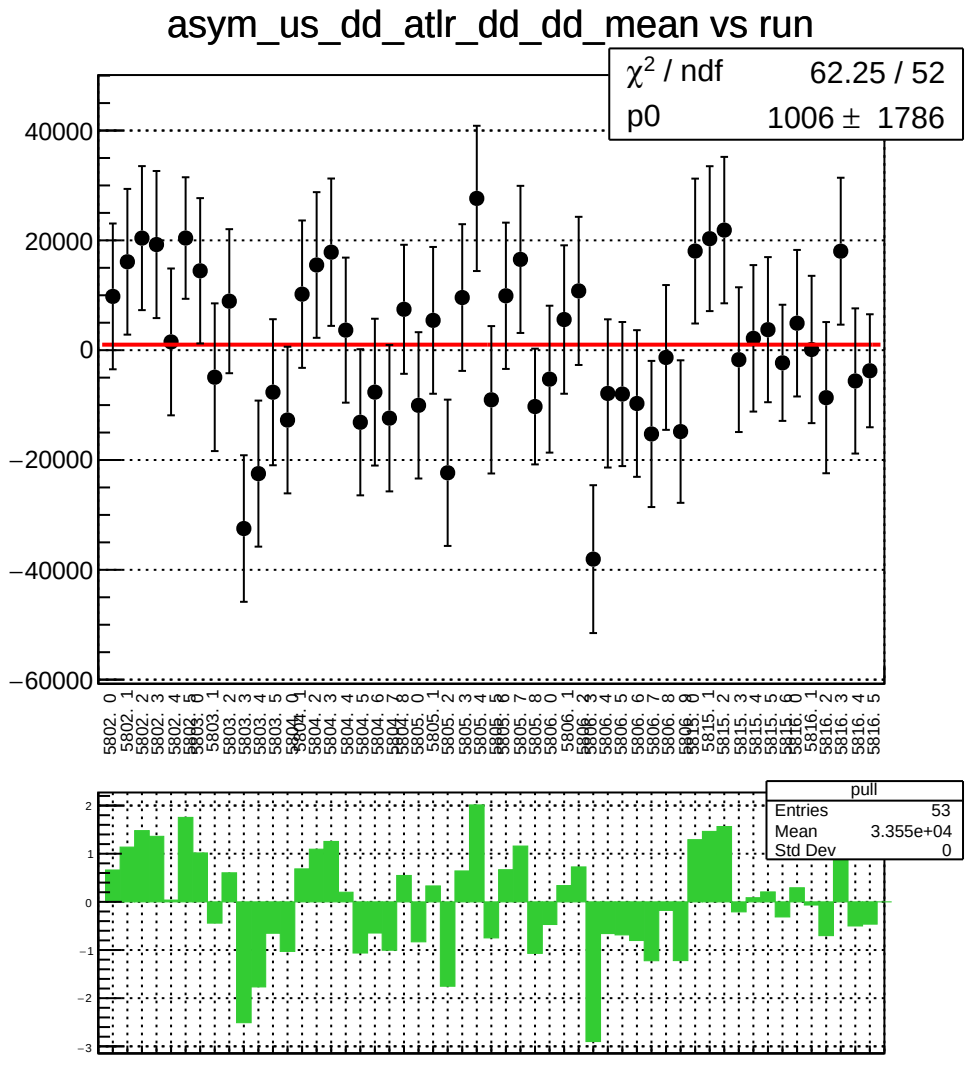

pull1D
Entries 53
Mean −0.001948
Std Dev 1.125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

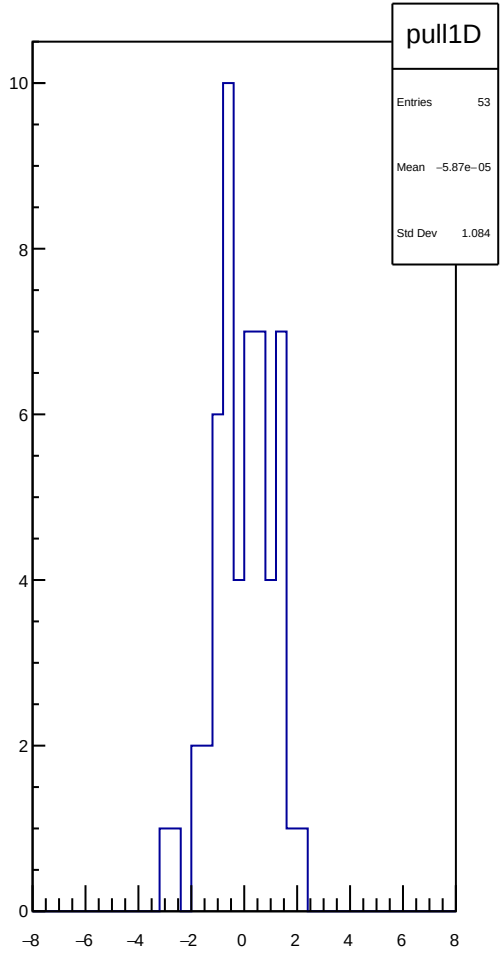

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 77.61 / 52
p0 1227 ± 1.226
1280
1270
1260
1250
1240
1230
1220
1210
1200

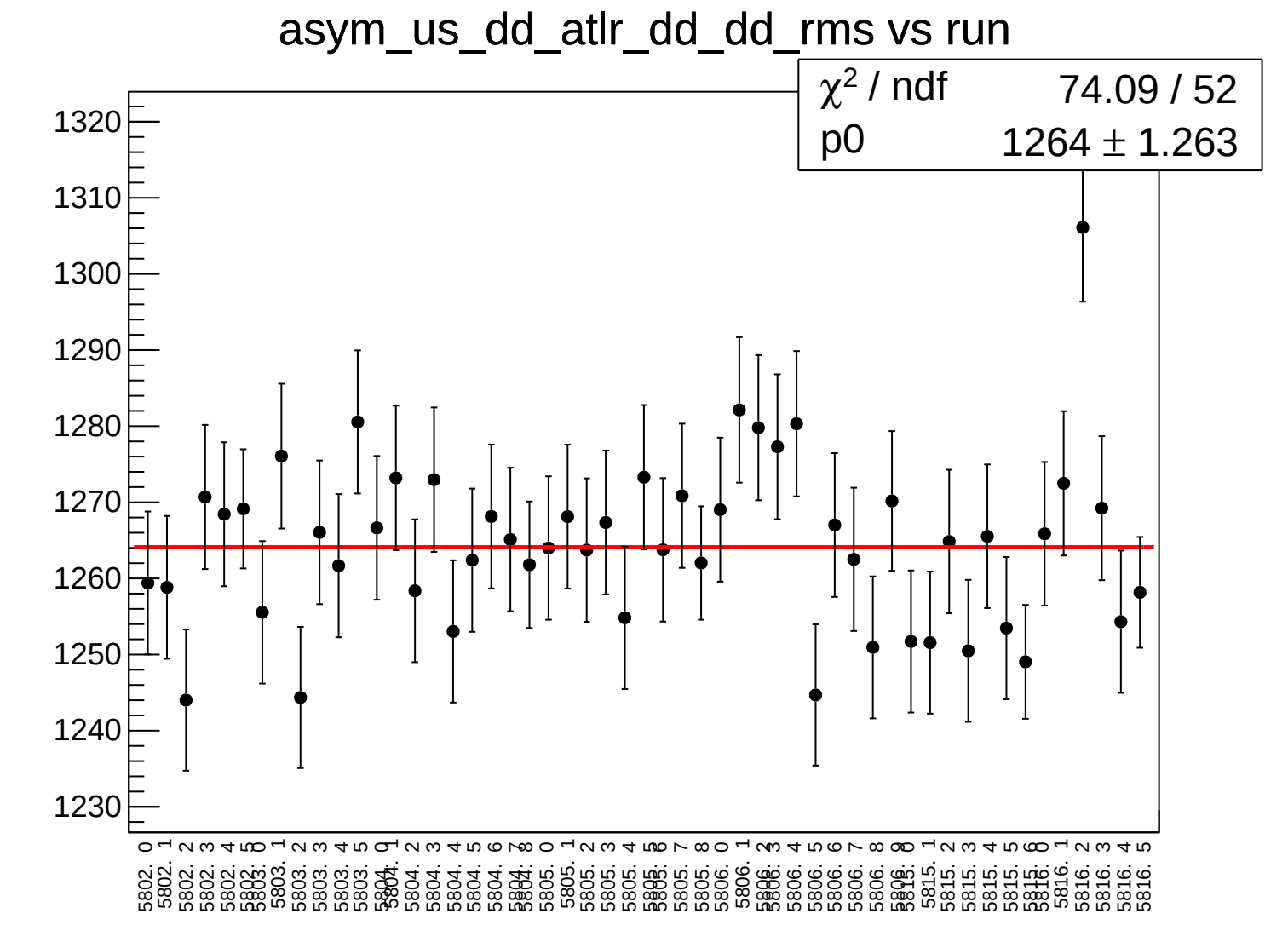

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 53.33 / 52
p0 39.55 ± 445.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −99.35
Std Dev 0

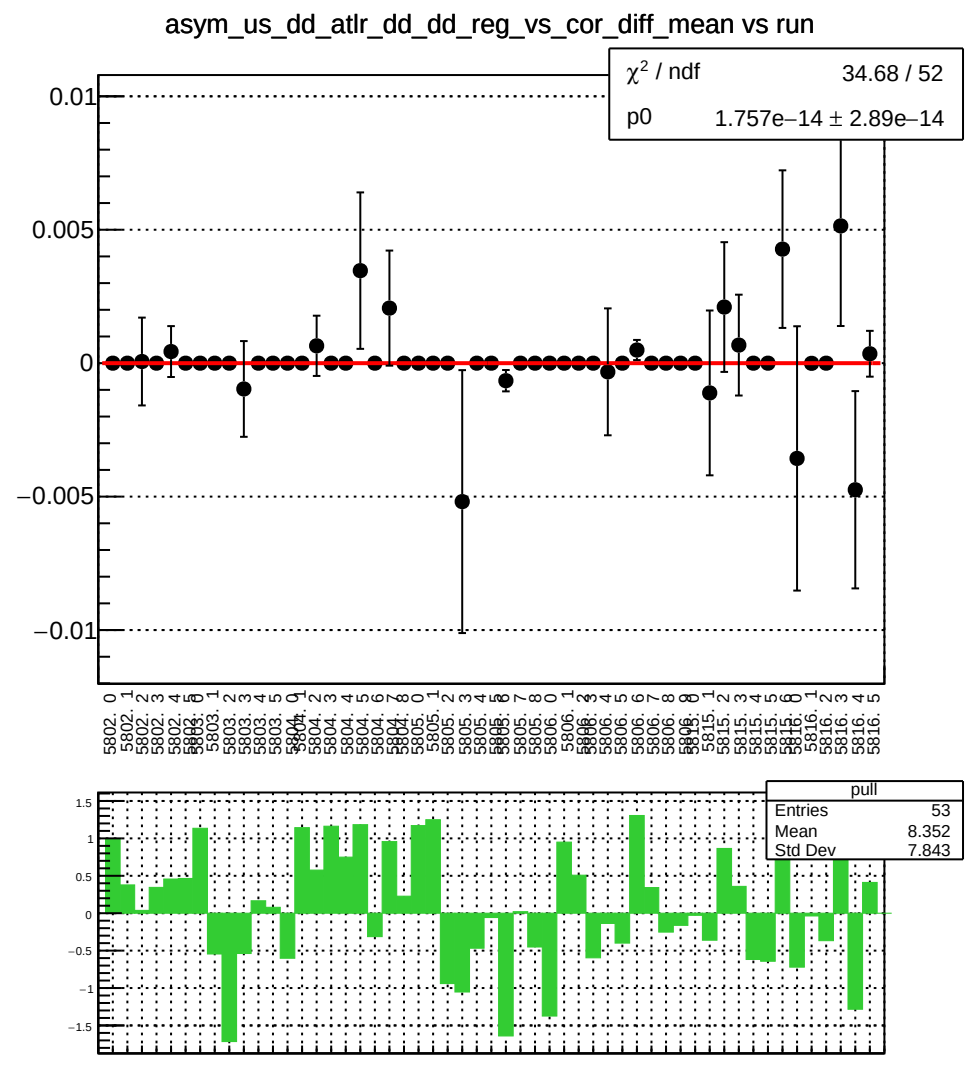

pull1D
Entries 53
Mean −0.01442
Std Dev 1.003

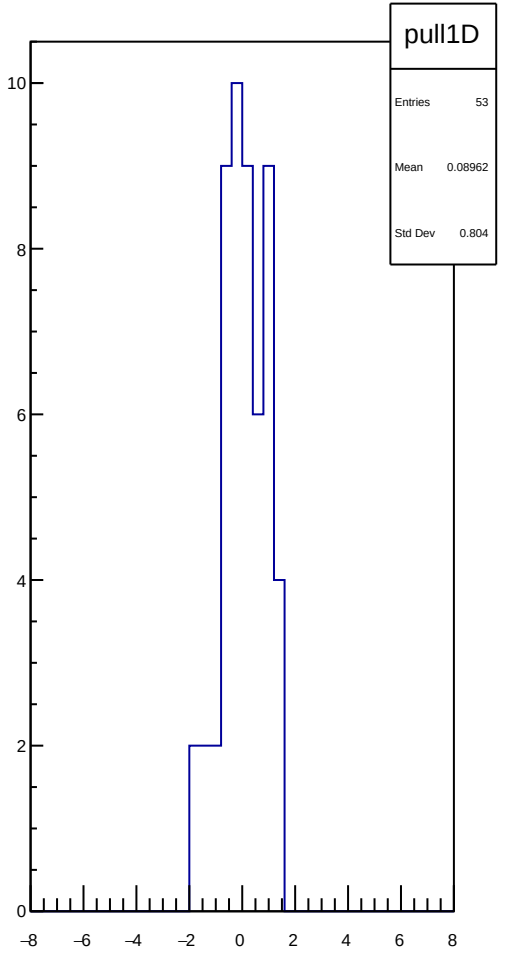

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 744.5 / 52
p0 315.3 ± 0.3151
330
320
310
300
290

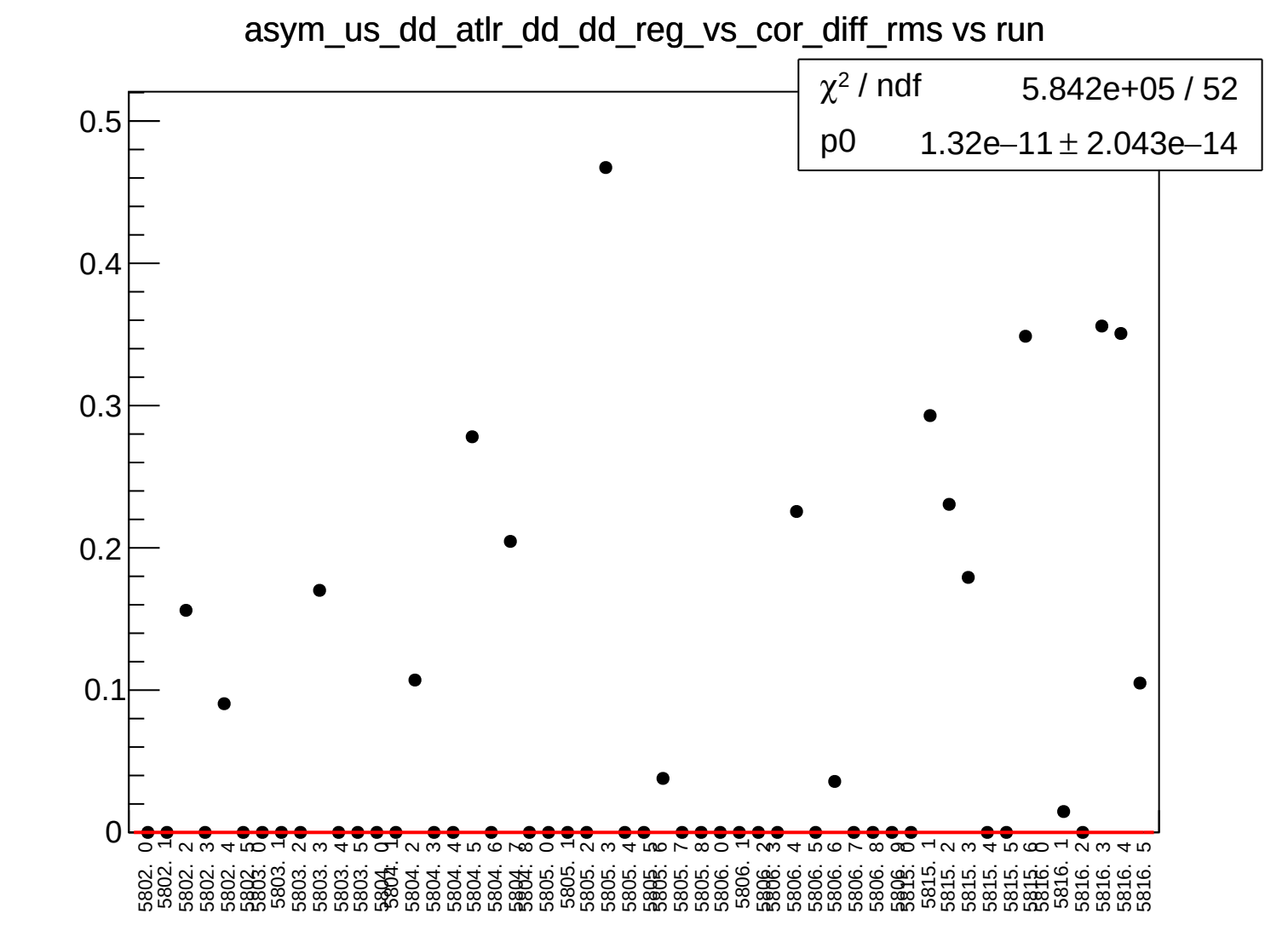

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 62.25 / 52
p0 1006 ± 1786
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 3.355e+04
Std Dev 0
2
1
0
−1
−2
−3

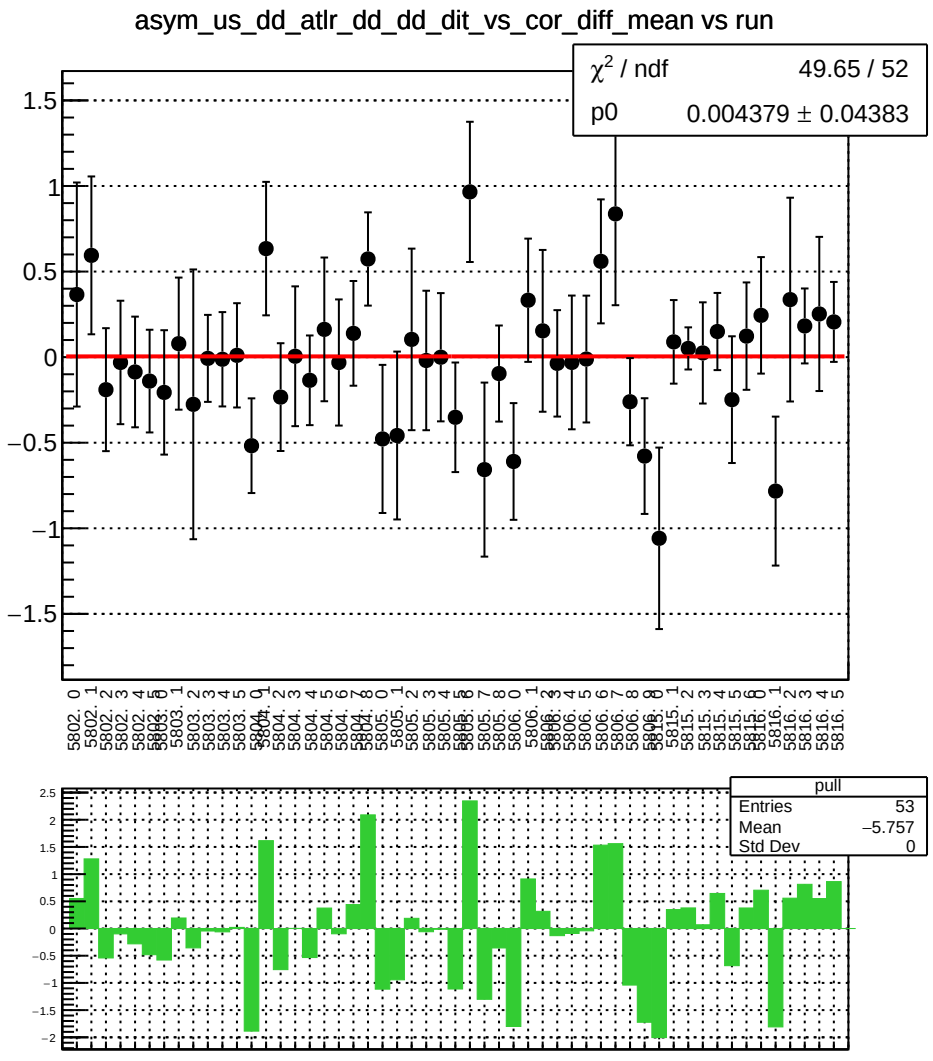

pull1D
Entries 53
Mean −5.87e−05
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

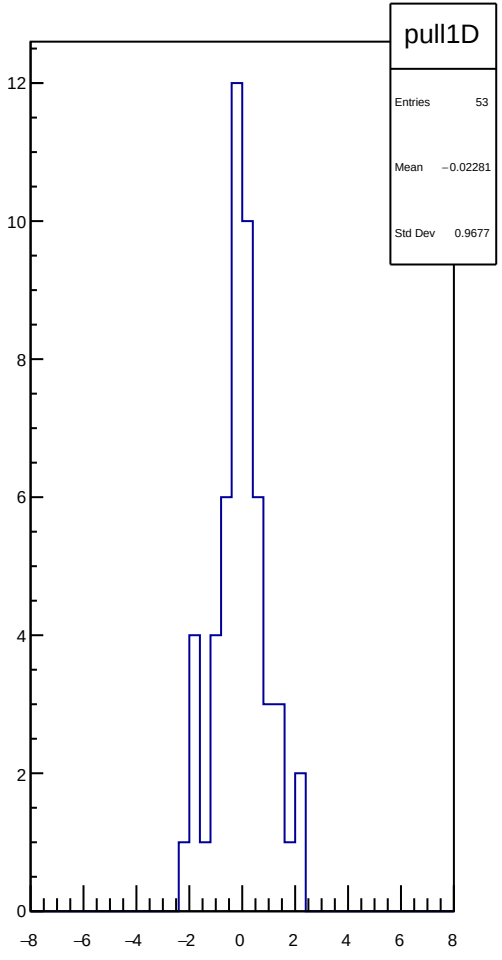

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 74.09 / 52
p0 1264 ± 1.263
1320
1310
1300
1290
1280
1270
1260
1250
1240
1230
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

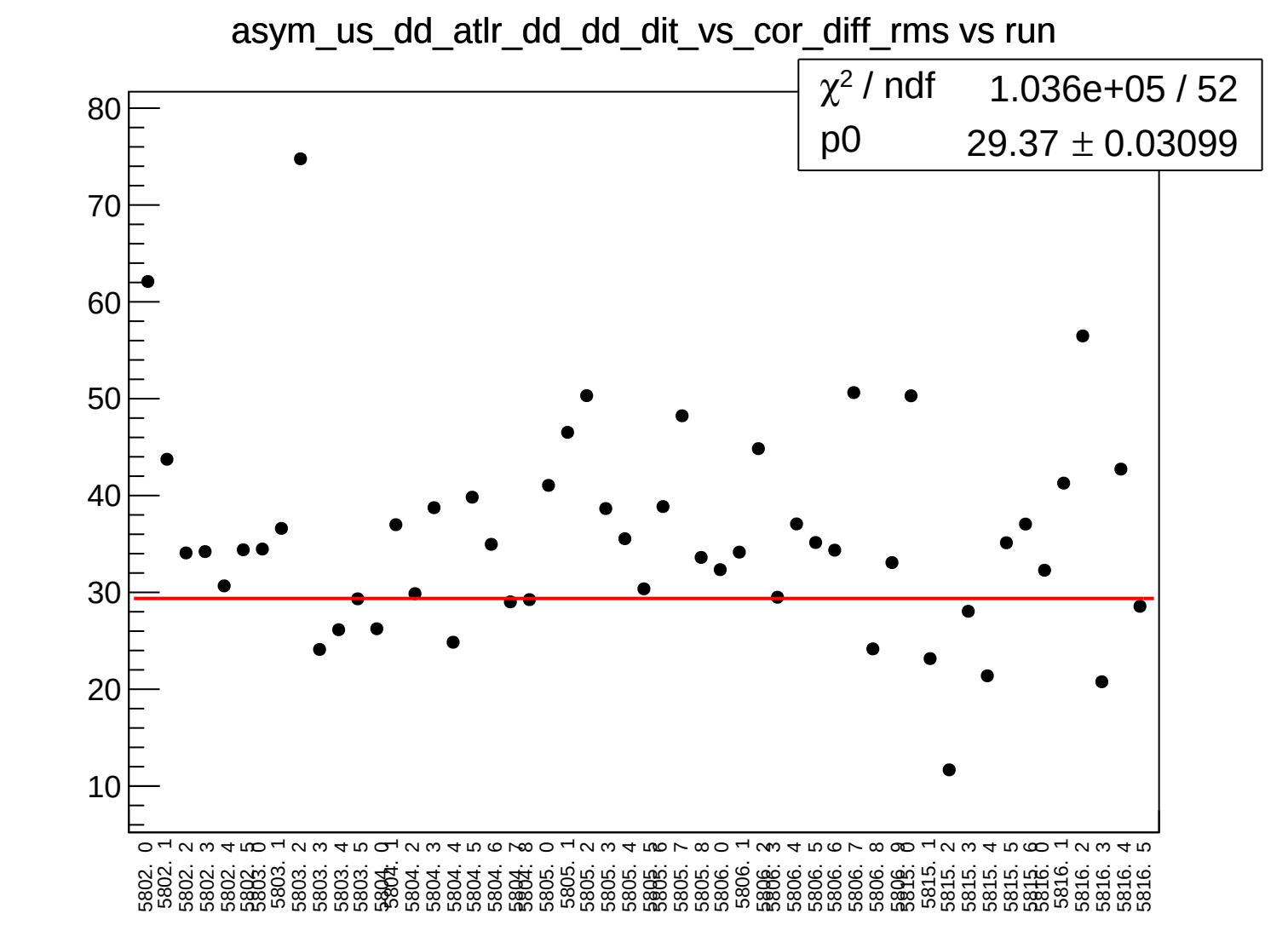

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.68 / 52
p0 1.757e−14 ± 2.89e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 53
Mean 8.352
Std Dev 7.843
1.5
1
0.5
0
−0.5
−1
−1.5

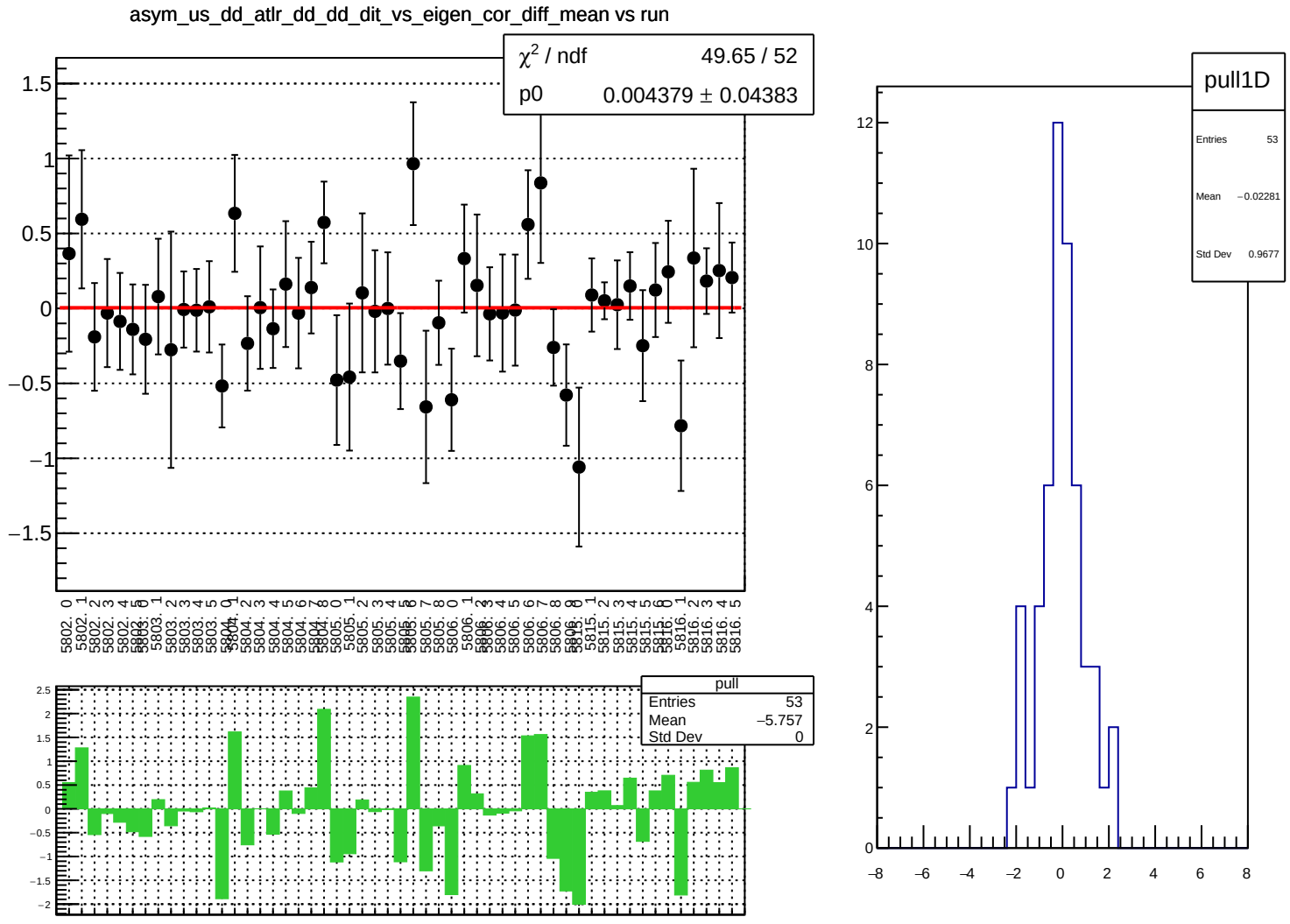

pull1D
Entries 53
Mean 0.08962
Std Dev 0.804
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

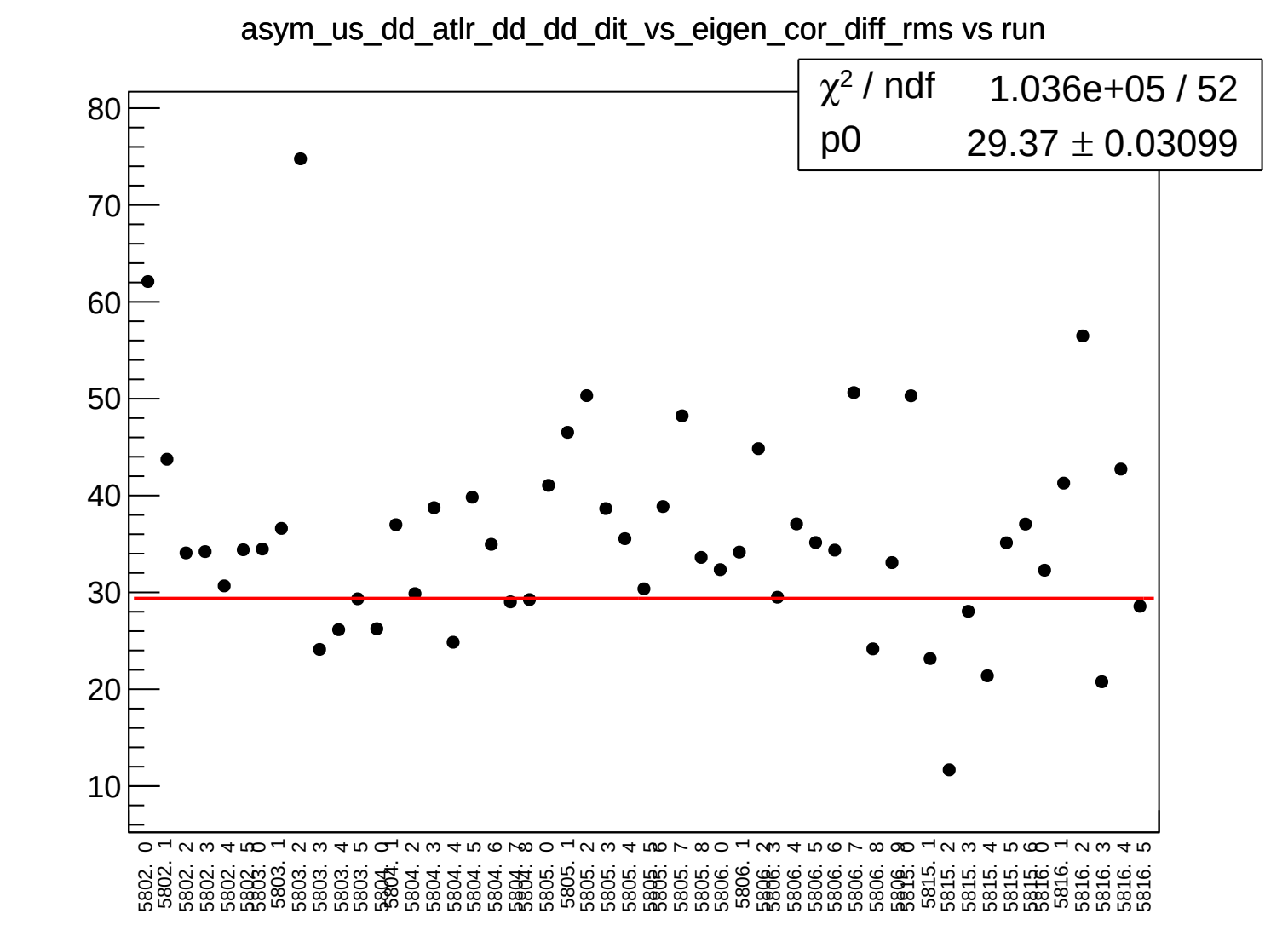

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.842e+05 / 52
p0 1.32e−11 ± 2.043e−14
0.5
0.4
0.3
0.2
0.1
0

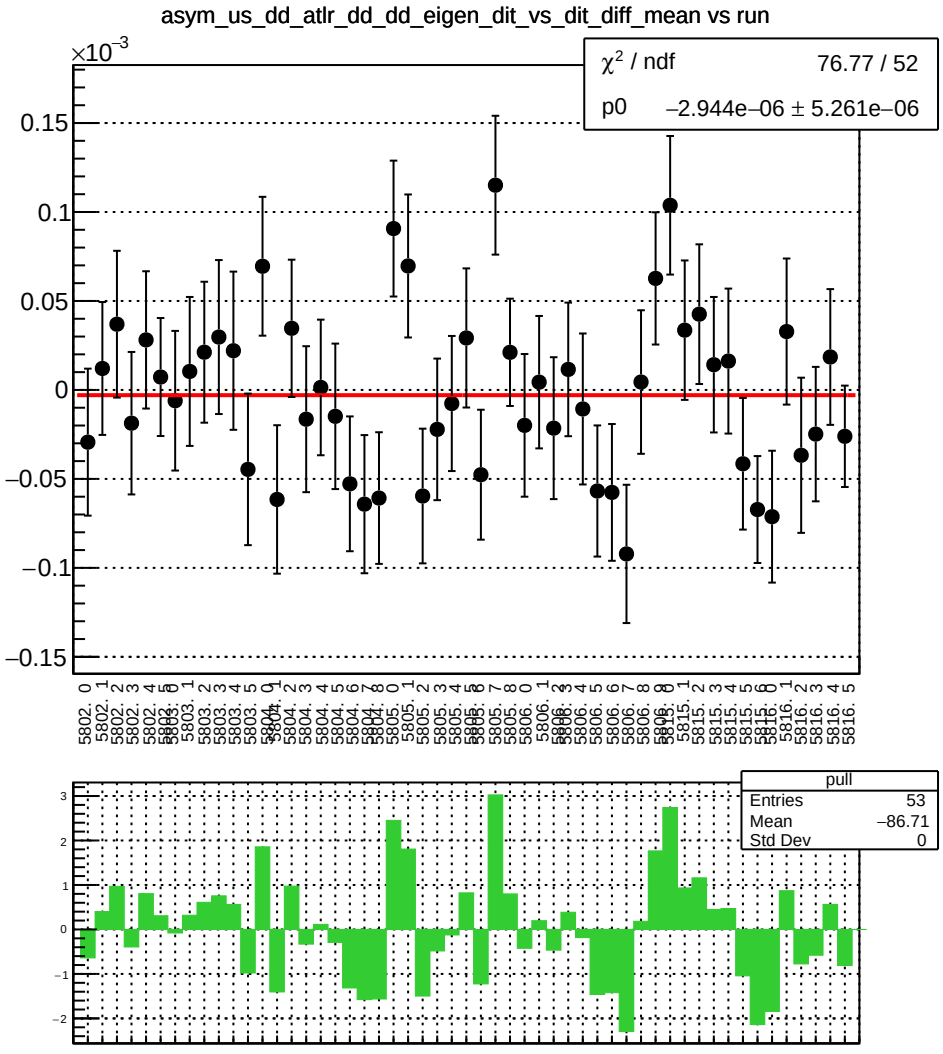

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.65 / 52
p0 0.004379 ± 0.04383
pull
Entries 53
Mean −5.757
Std Dev 0

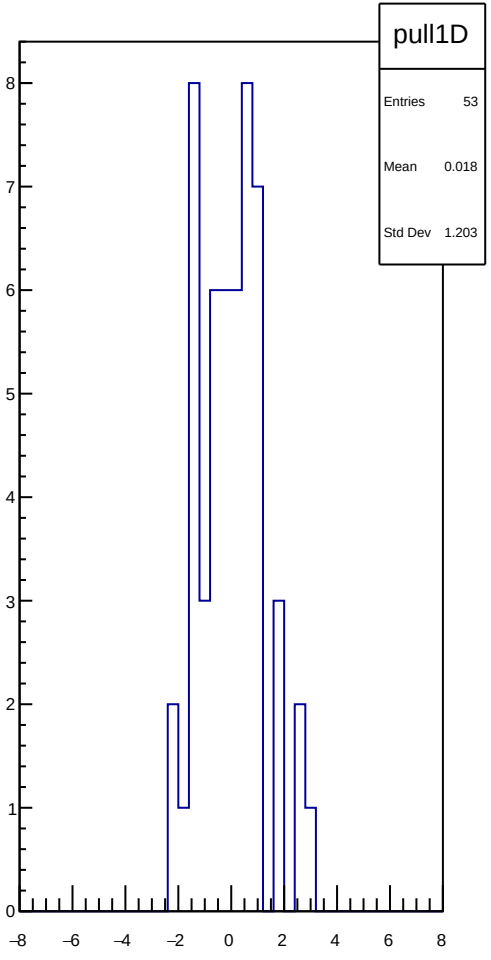

pull1D
Entries 53
Mean −0.02281
Std Dev 0.9677

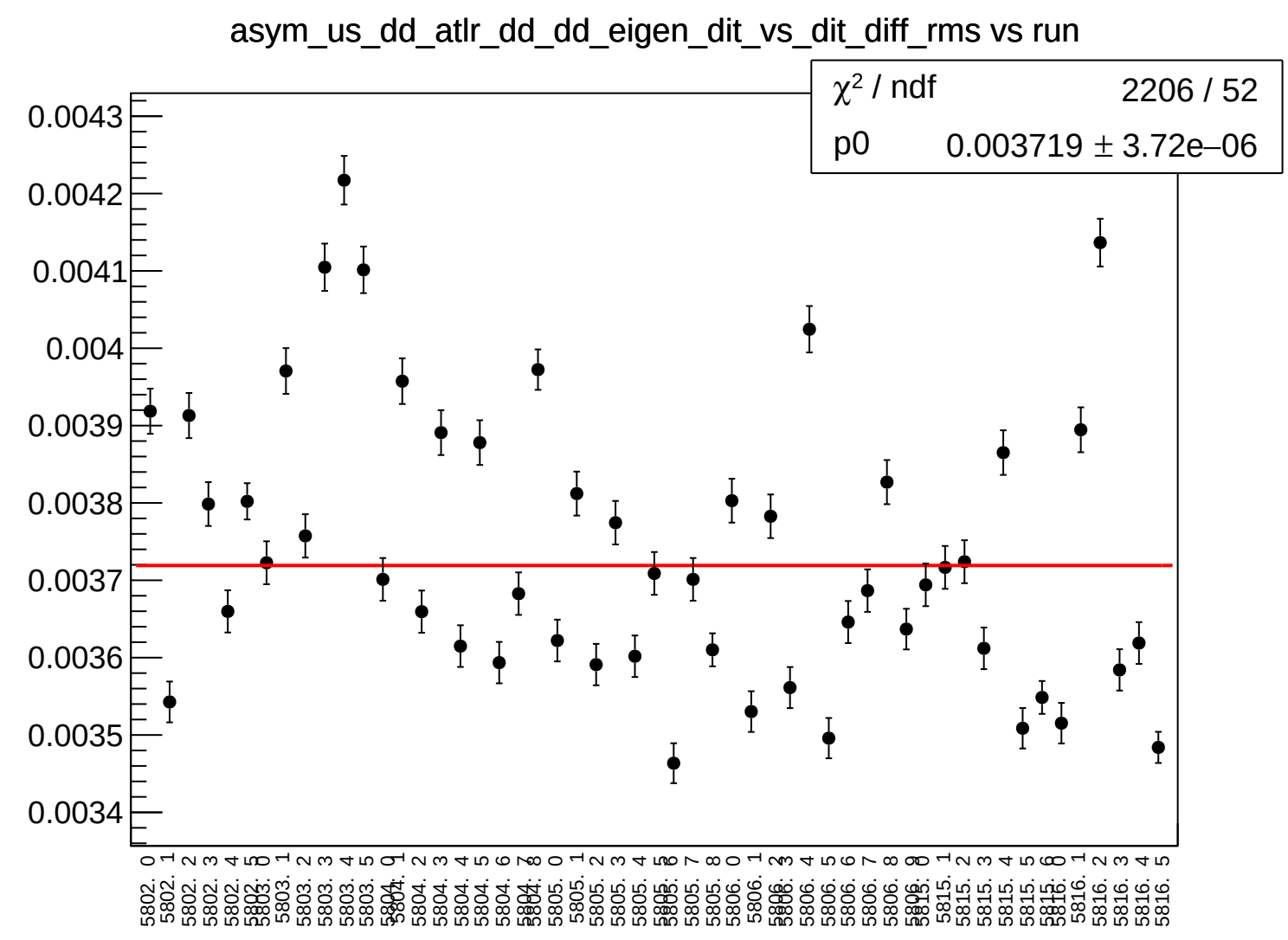

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 52
p0 29.37 ± 0.03099
80
70
60
50
40
30
20
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

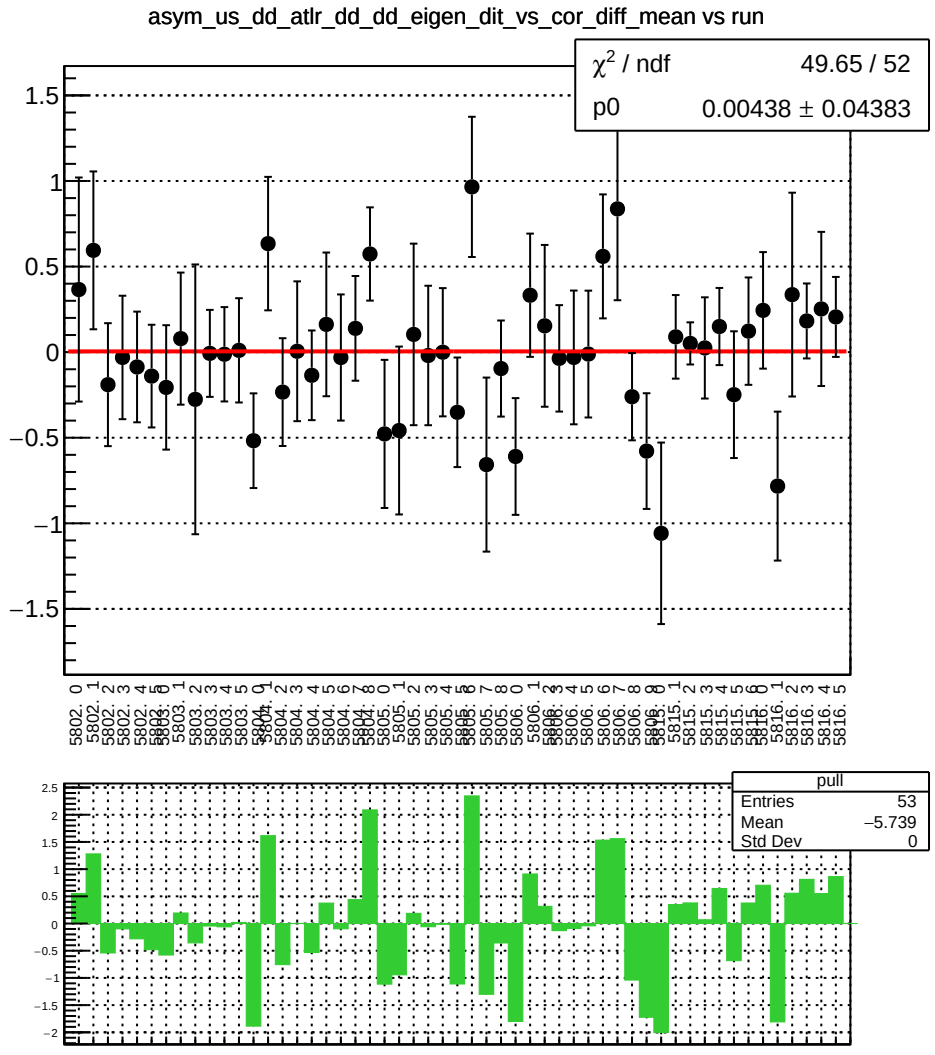

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.65 / 52
p0 0.004379 ± 0.04383
pull
Entries 53
Mean −5.757
Std Dev 0
pull1D
Entries 53
Mean −0.02281
Std Dev 0.9677

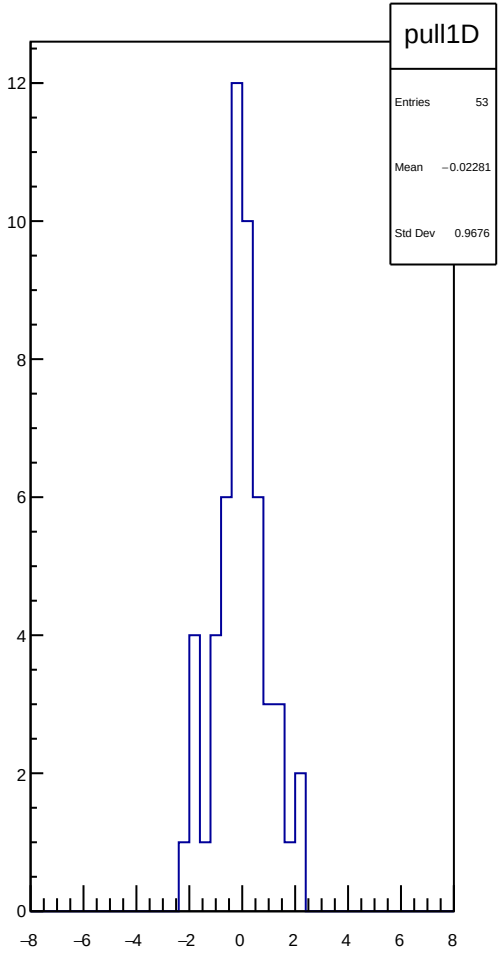

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.036e+05 / 52
p0 29.37 ± 0.03099
80
70
60
50
40
30
20
10

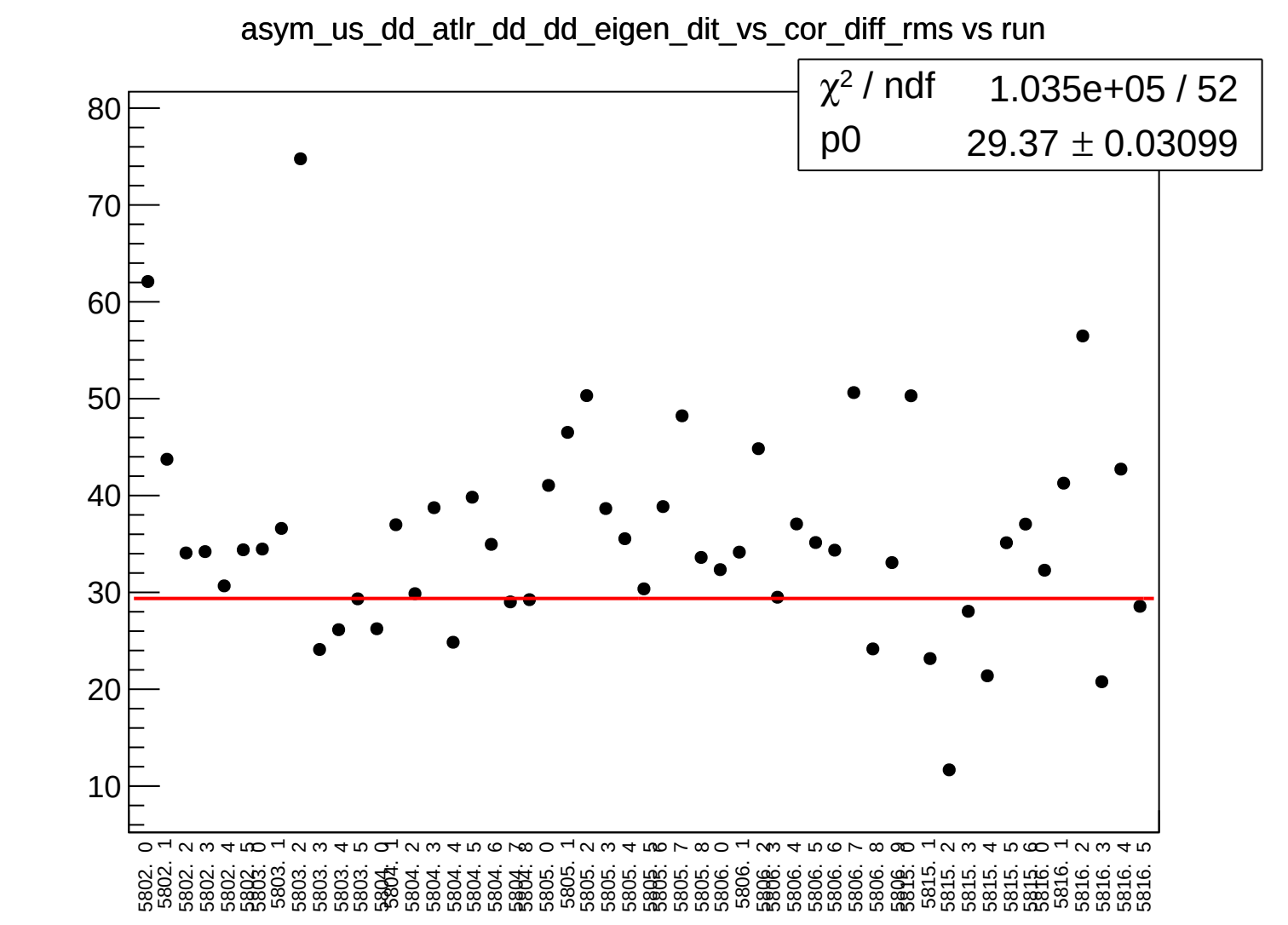

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.77 / 52
p0 −2.944e−06 ± 5.261e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 53
Mean −86.71
Std Dev 0

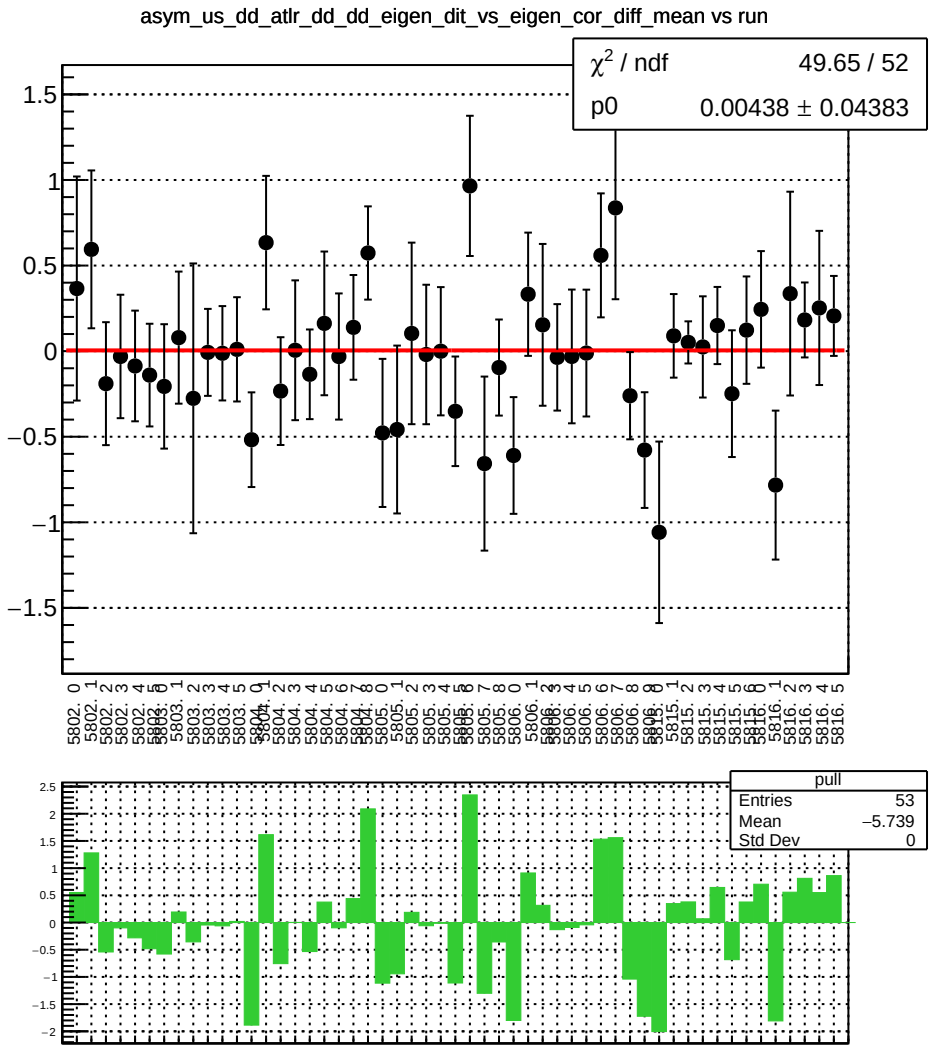

pull1D
Entries 53
Mean 0.018
Std Dev 1.203

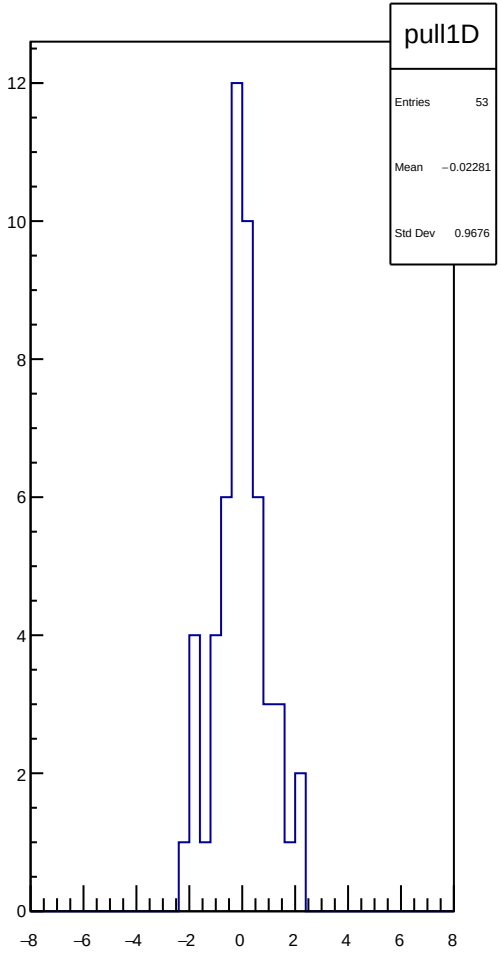

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2206 / 52
p0 0.003719 ± 3.72e−06
0.0043
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034

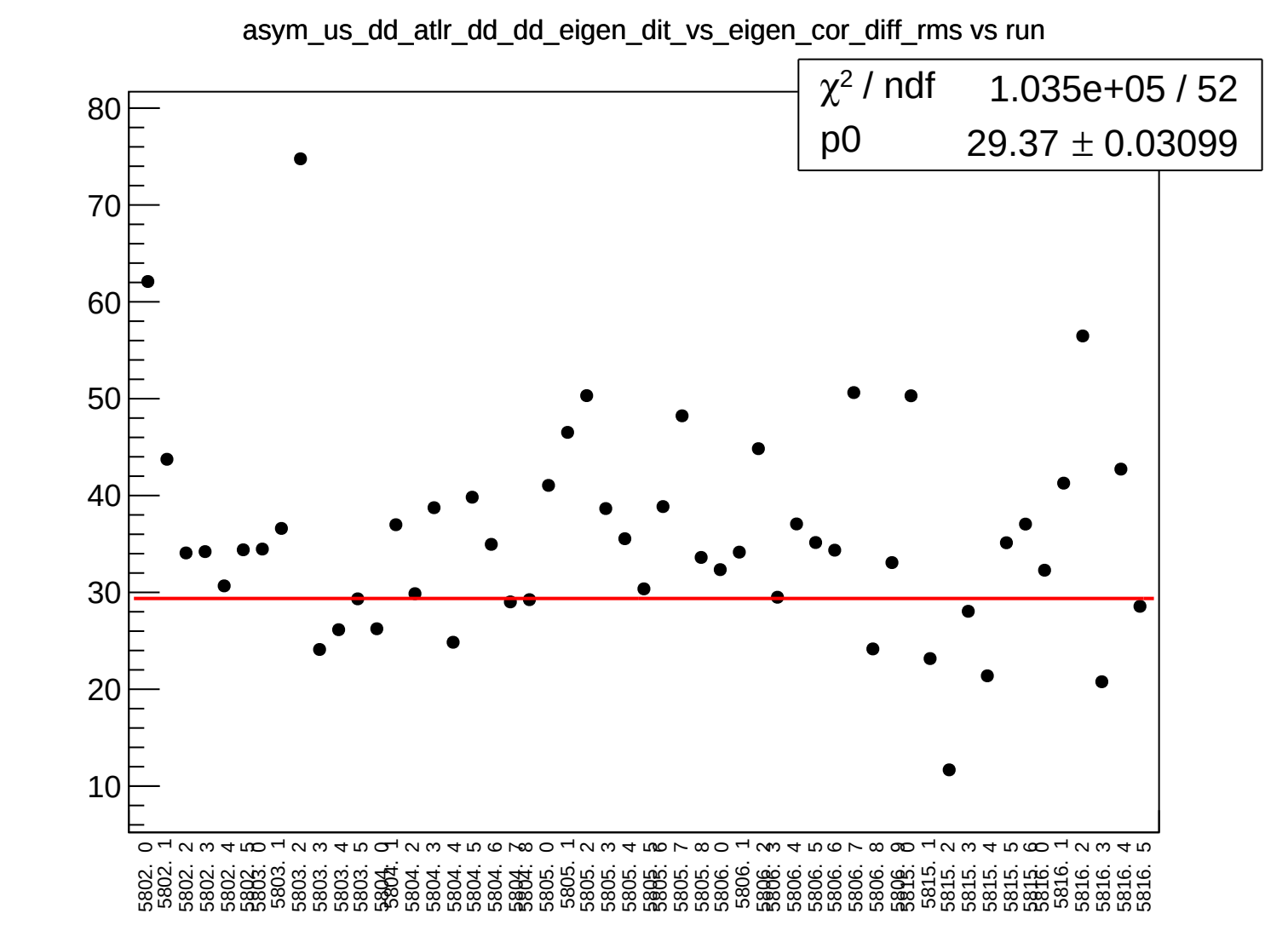

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.65 / 52
p0 0.00438 ± 0.04383
pull
Entries 53
Mean −5.739
Std Dev 0

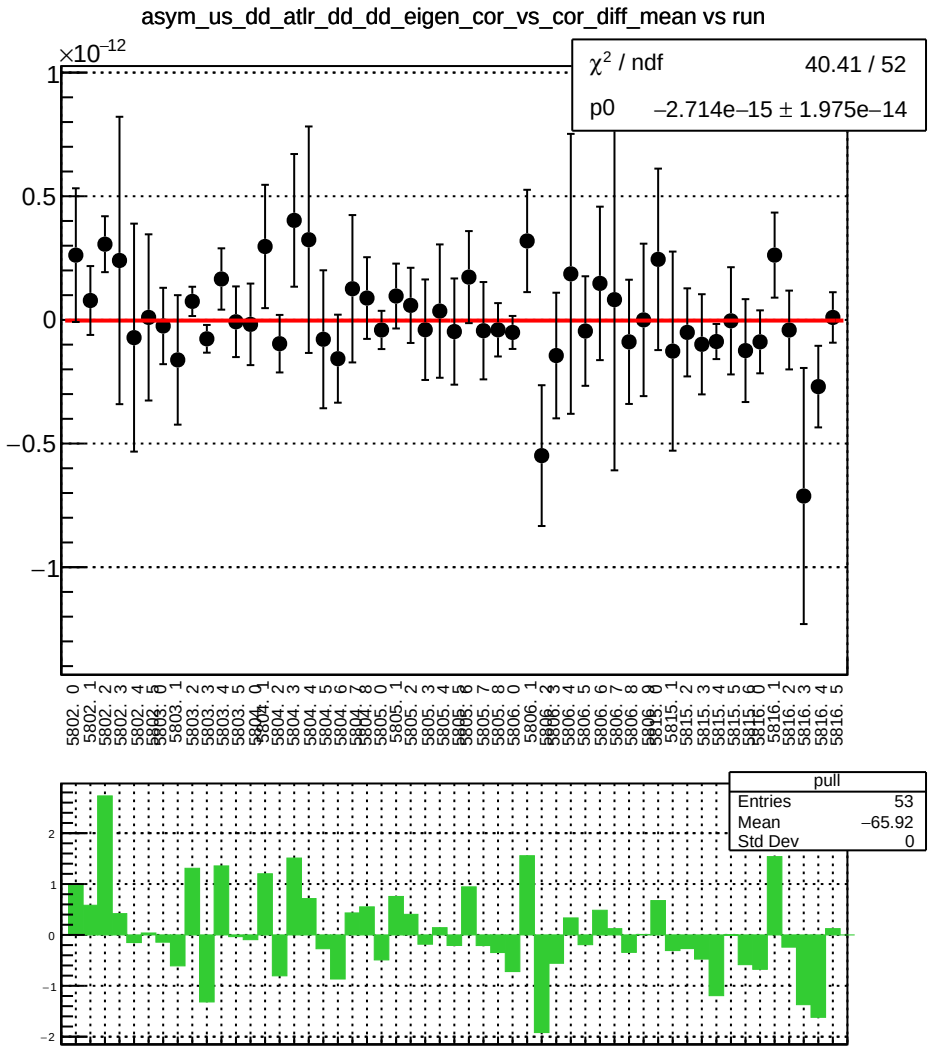

pull1D
Entries 53
Mean −0.02281
Std Dev 0.9676

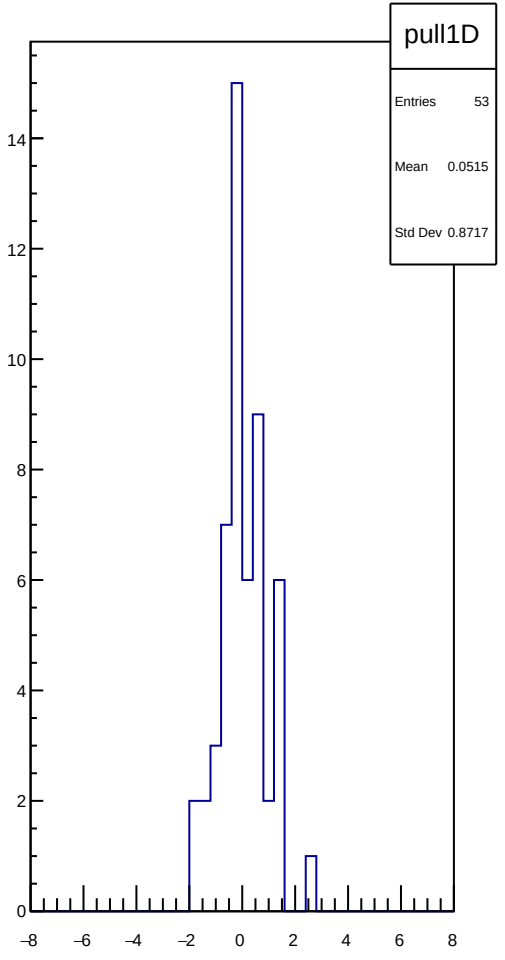

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.035e+05 / 52
p0 29.37 ± 0.03099
80
70
60
50
40
30
20
10

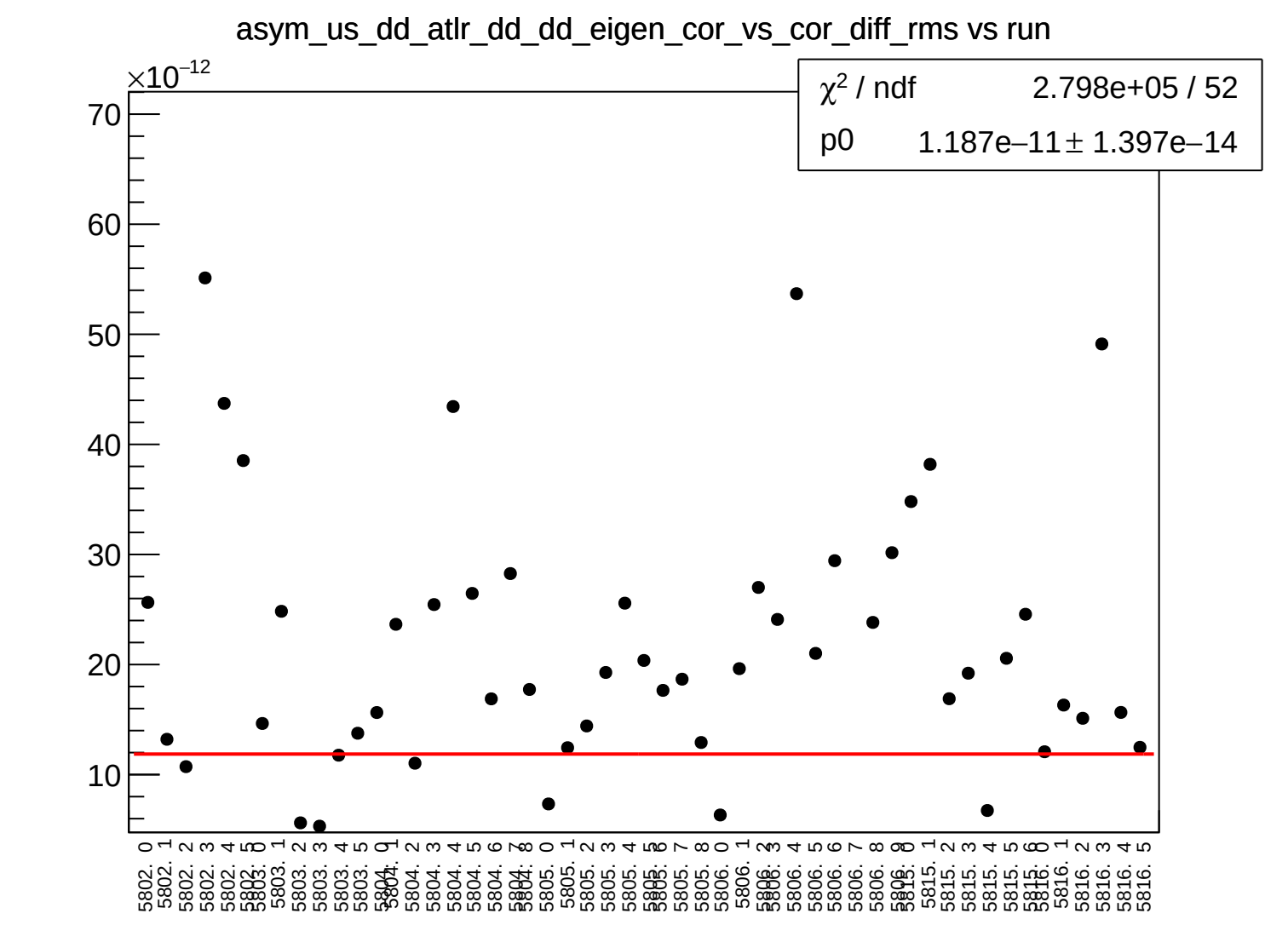

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.65 / 52
p0 0.00438 ± 0.04383
pull
Entries 53
Mean −5.739
Std Dev 0

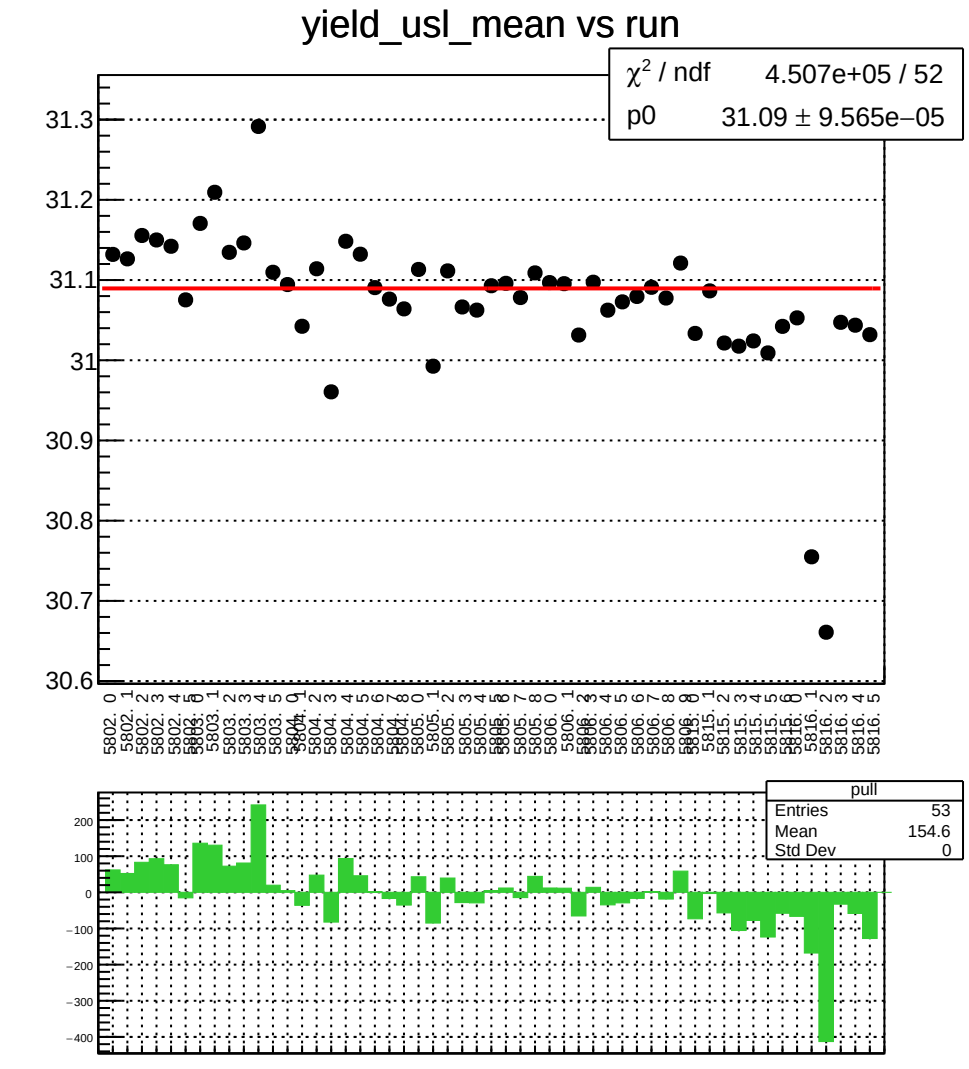

pull1D
Entries 53
Mean −0.02281
Std Dev 0.9676

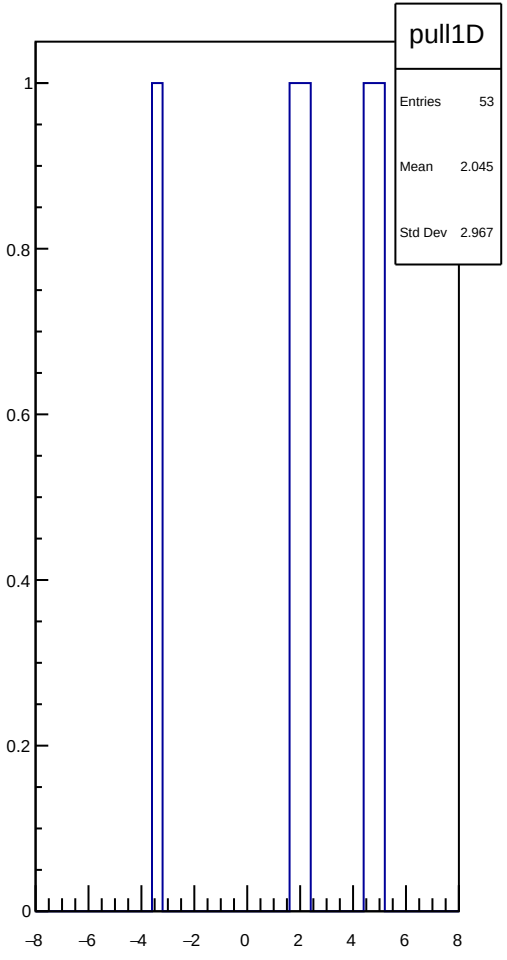

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.035e+05 / 52
p0 29.37 ± 0.03099
80
70
60
50
40
30
20
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

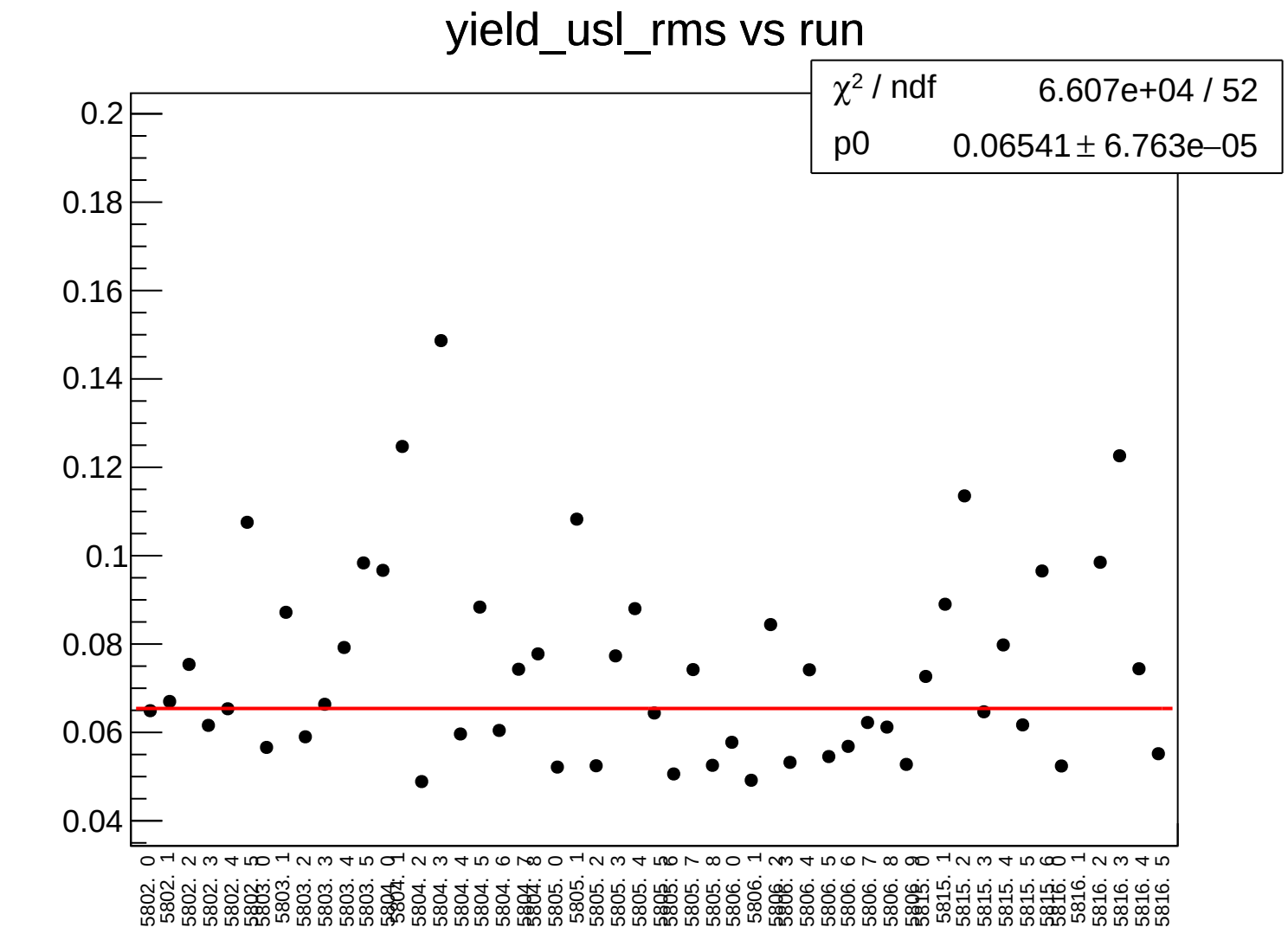

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.41 / 52
p0 −2.714e−15 ± 1.975e−14
pull
Entries 53
Mean −65.92
Std Dev 0

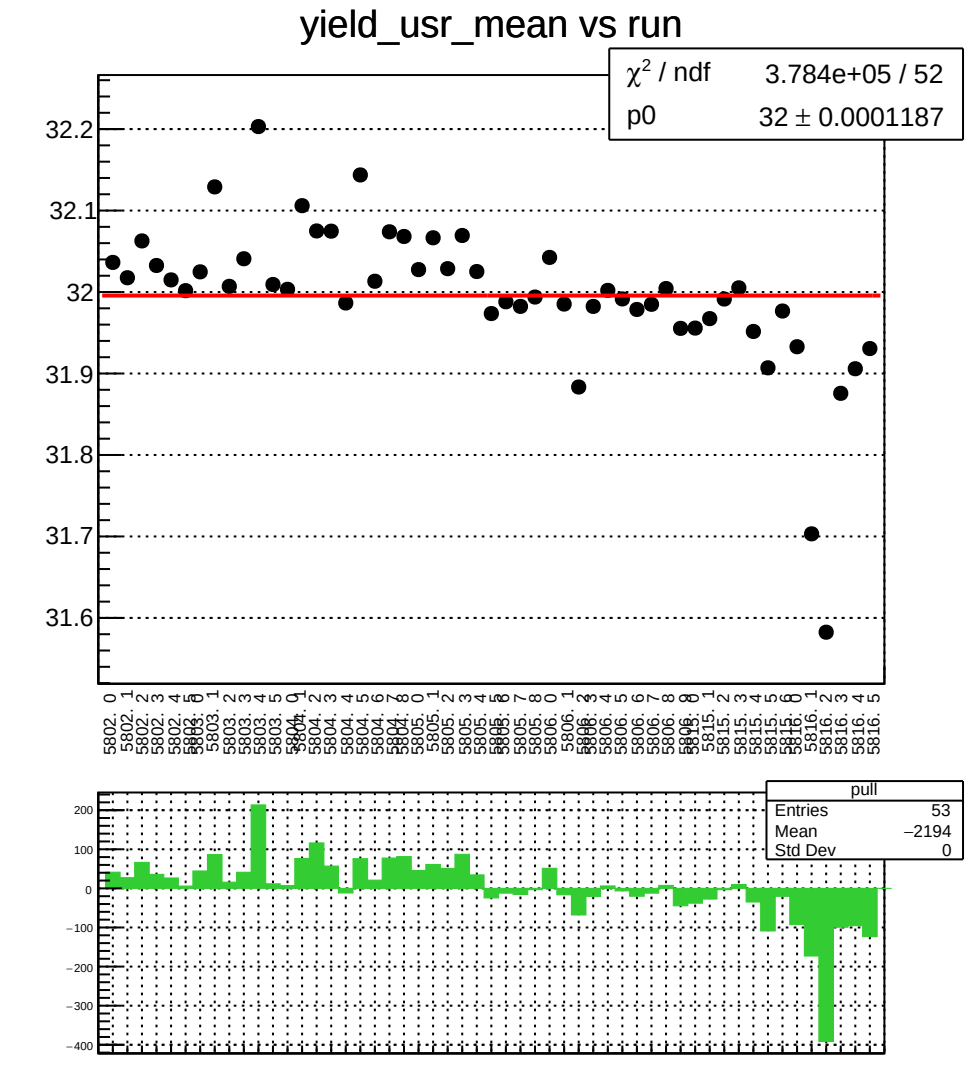

pull1D
Entries 53
Mean 0.0515
Std Dev 0.8717

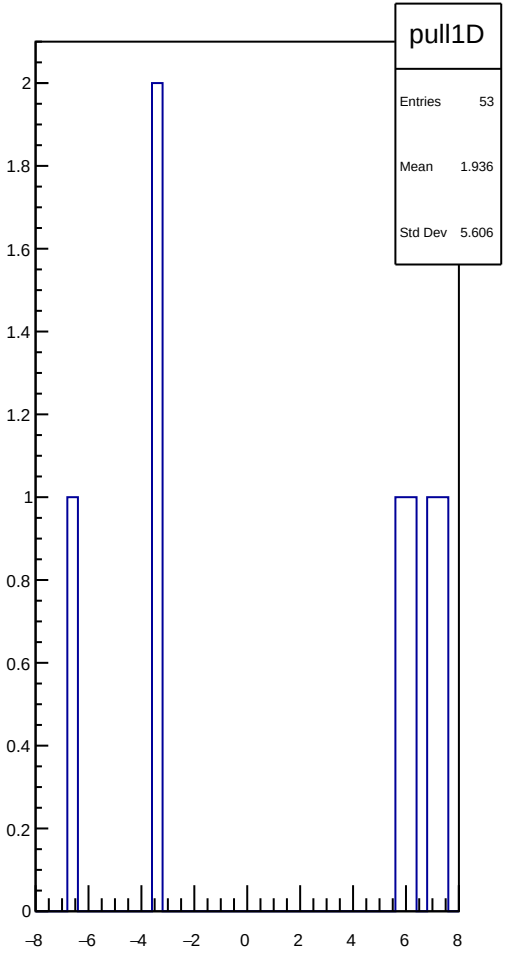

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.798e+05 / 52
p0 1.187e−11 ± 1.397e−14
70
60
50
40
30
20
10

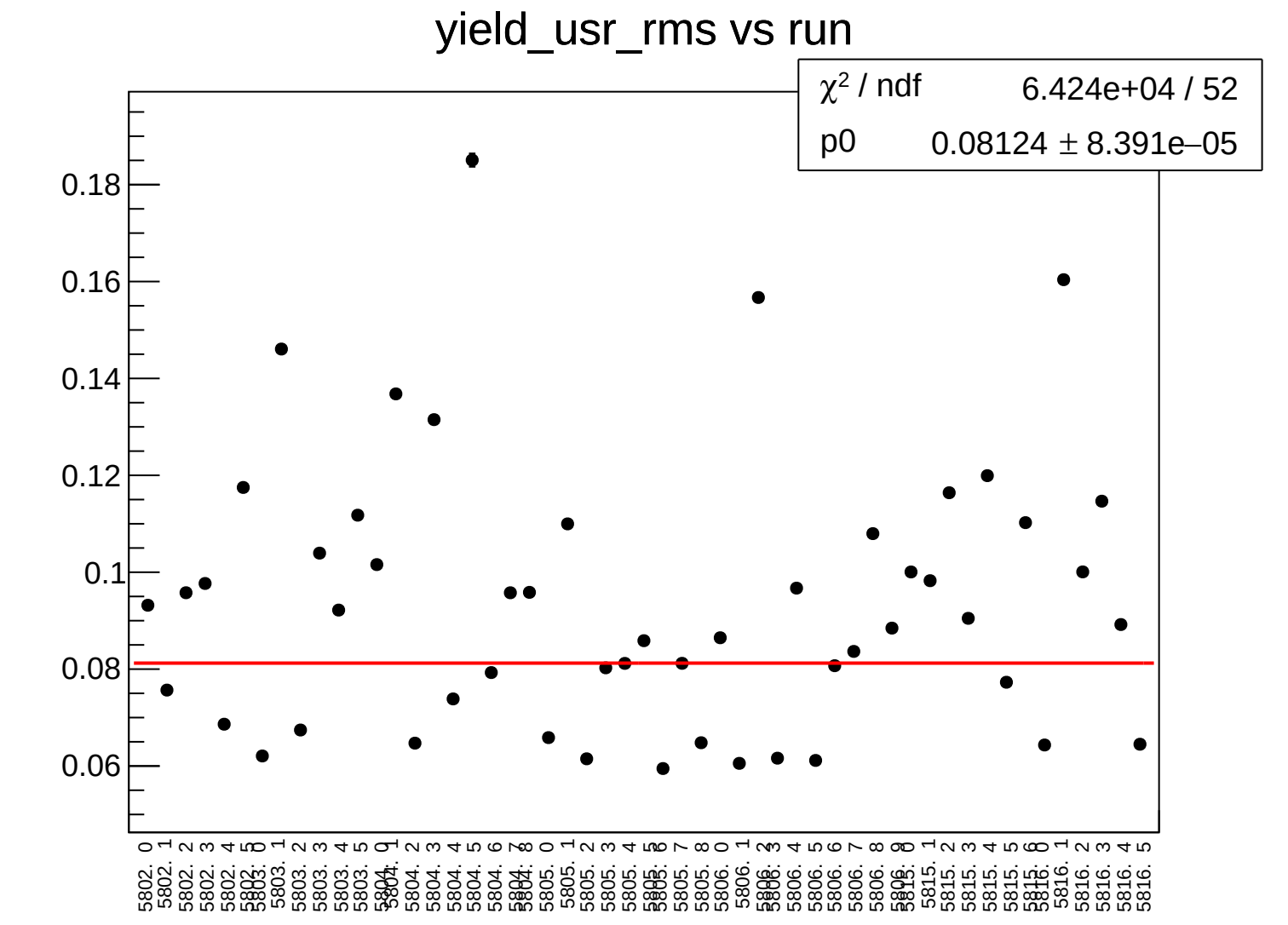

yield_usl_mean vs run
χ² / ndf 4.507e+05 / 52
p0 31.09 ± 9.565e−05
31.3
31.2
31.1
31
30.9
30.8
30.7
30.6
pull
Entries 53
Mean 154.6
Std Dev 0
200
100
0
−100
−200
−300
−400

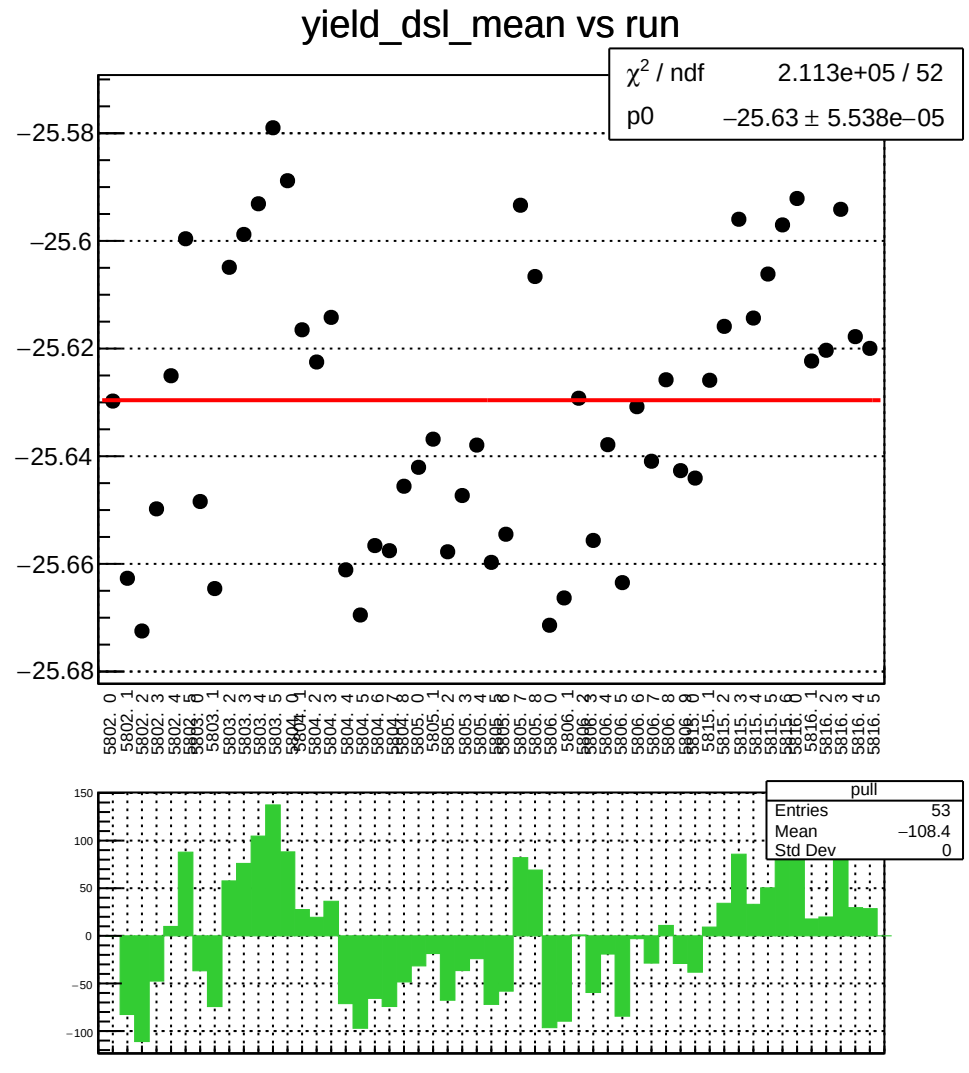

pull1D
Entries 53
Mean 2.045
Std Dev 2.967
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

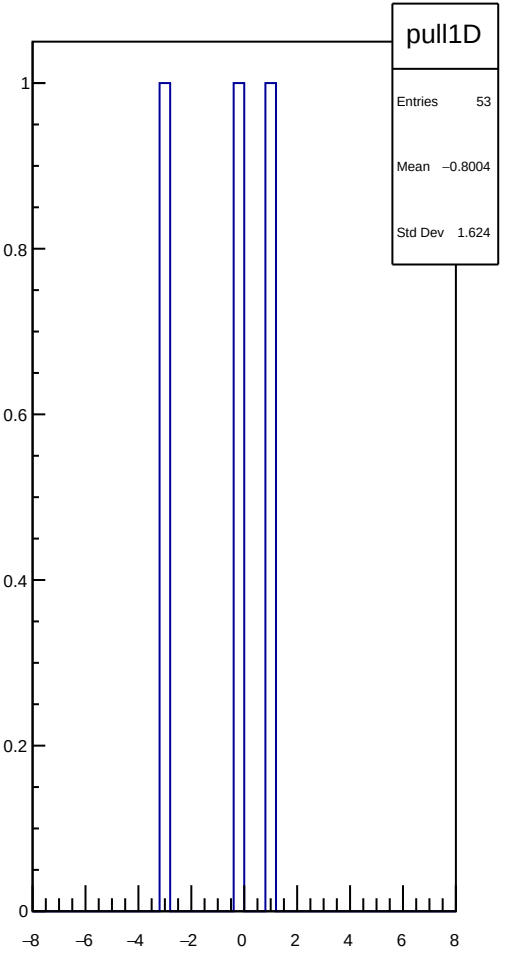

yield_usl_rms vs run
χ² / ndf 6.607e+04 / 52
p0 0.06541 ± 6.763e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

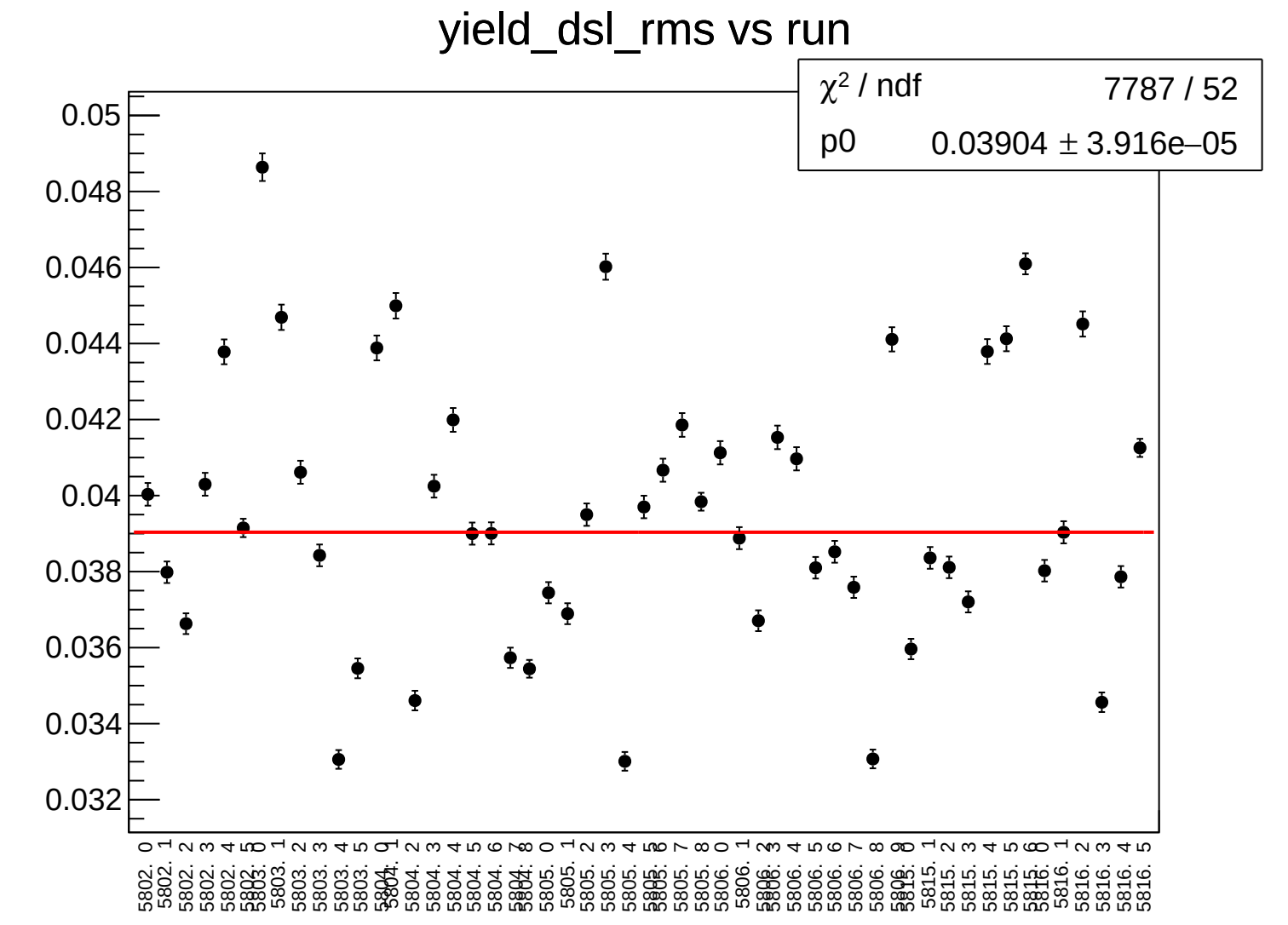

yield_usr_mean vs run
χ² / ndf 3.784e+05 / 52
p0 32 ± 0.0001187
32.2
32.1
32
31.9
31.8
31.7
31.6
pull
Entries 53
Mean −2194
Std Dev 0
200
100
0
−100
−200
−300
−400

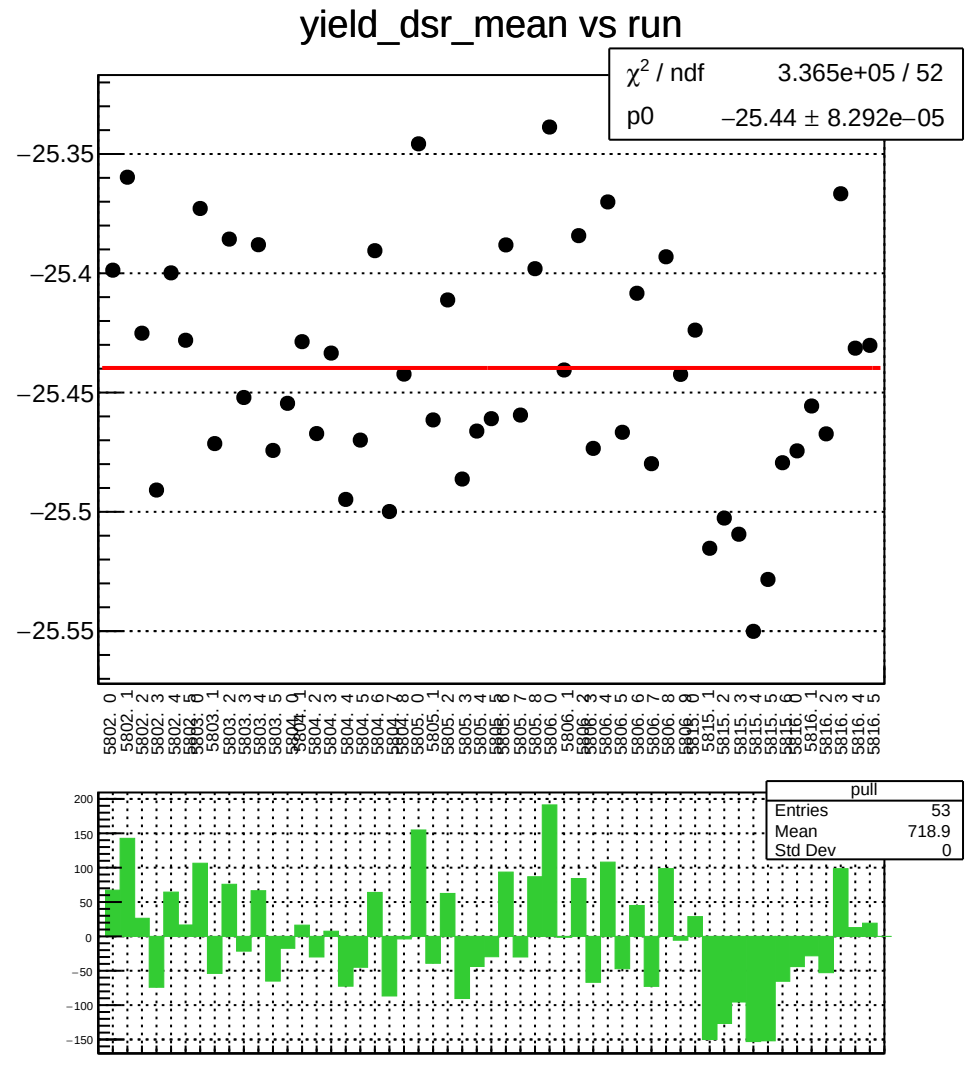

pull1D
Entries 53
Mean 1.936
Std Dev 5.606
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

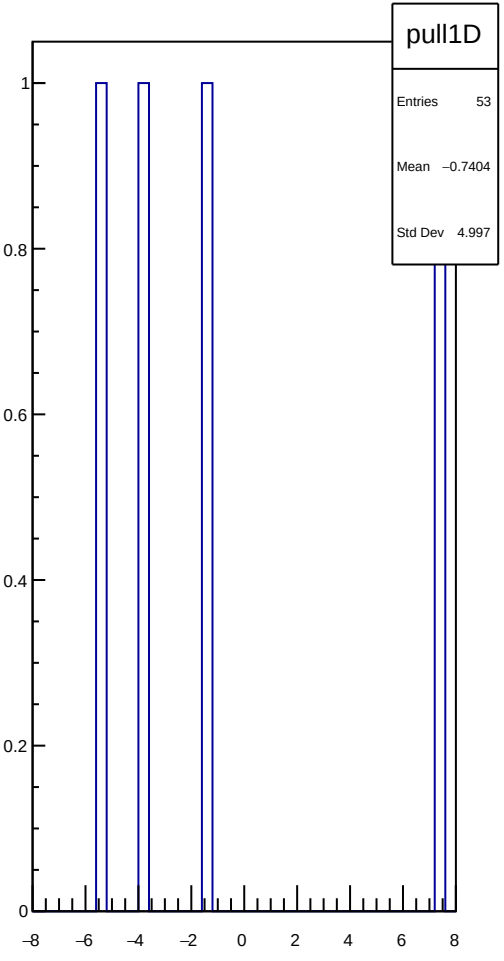

yield_usr_rms vs run
χ² / ndf 6.424e+04 / 52
p0 0.08124 ± 8.391e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06

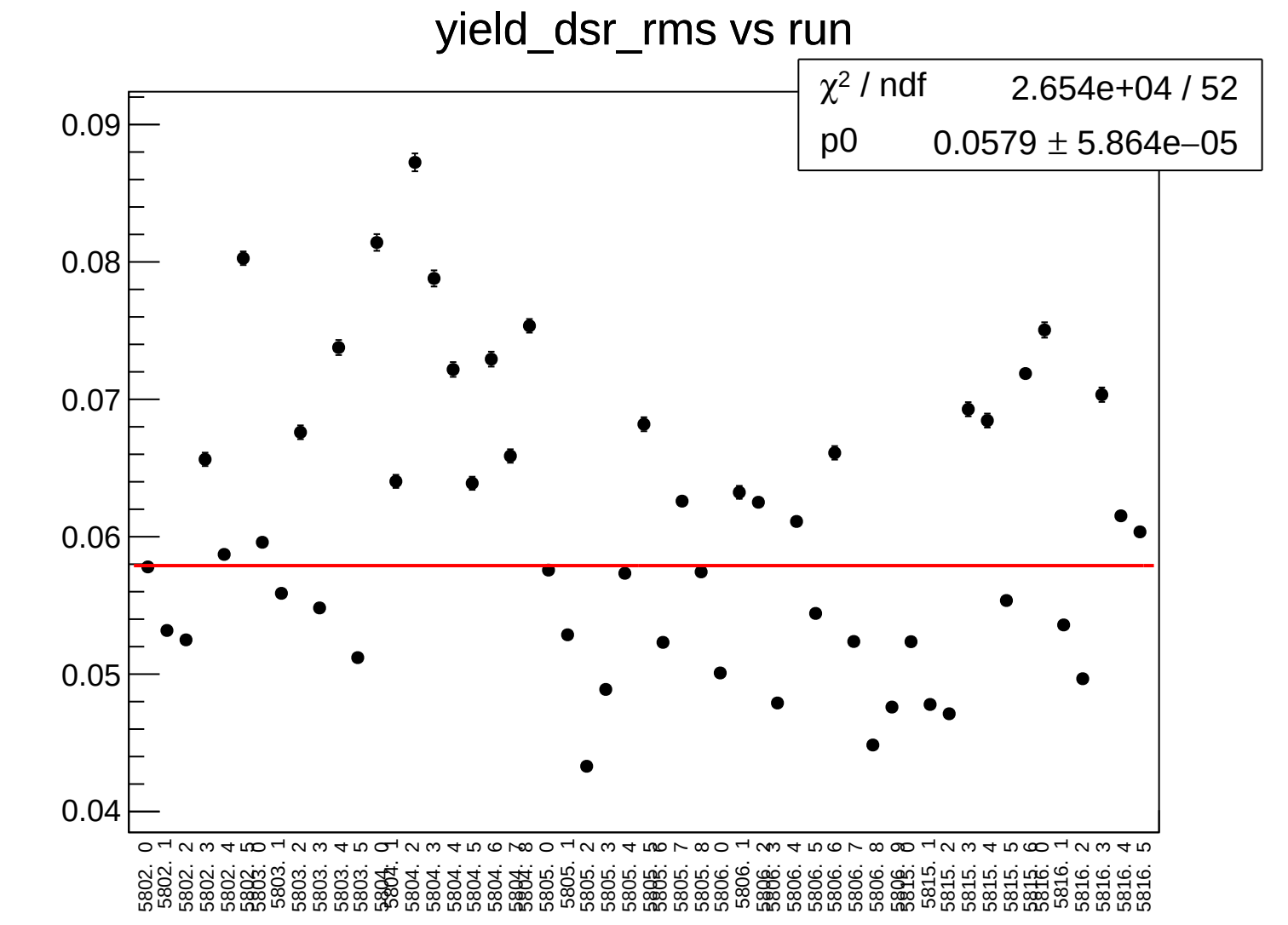

yield_dsl_mean vs run
χ² / ndf 2.113e+05 / 52
p0 −25.63 ± 5.538e−05
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
pull
Entries 53
Mean −108.4
Std Dev 0
150
100
50
0
−50
−100

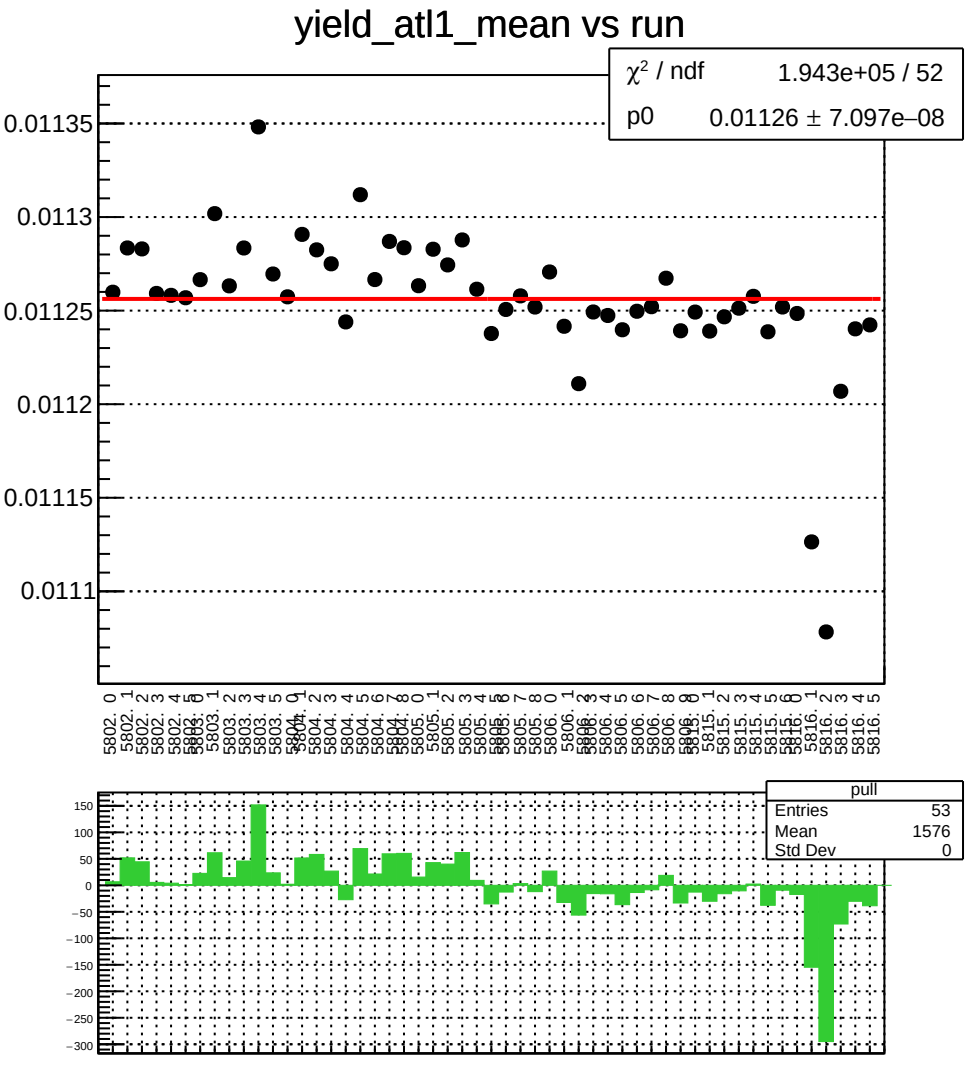

pull1D
Entries 53
Mean −0.8004
Std Dev 1.624
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

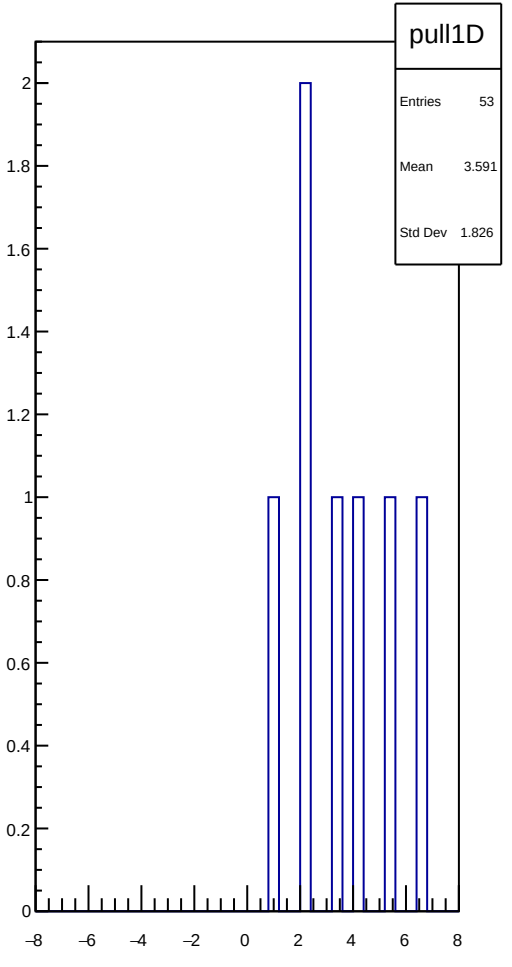

yield_dsl_rms vs run
χ² / ndf 7787 / 52
p0 0.03904 ± 3.916e−05
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032

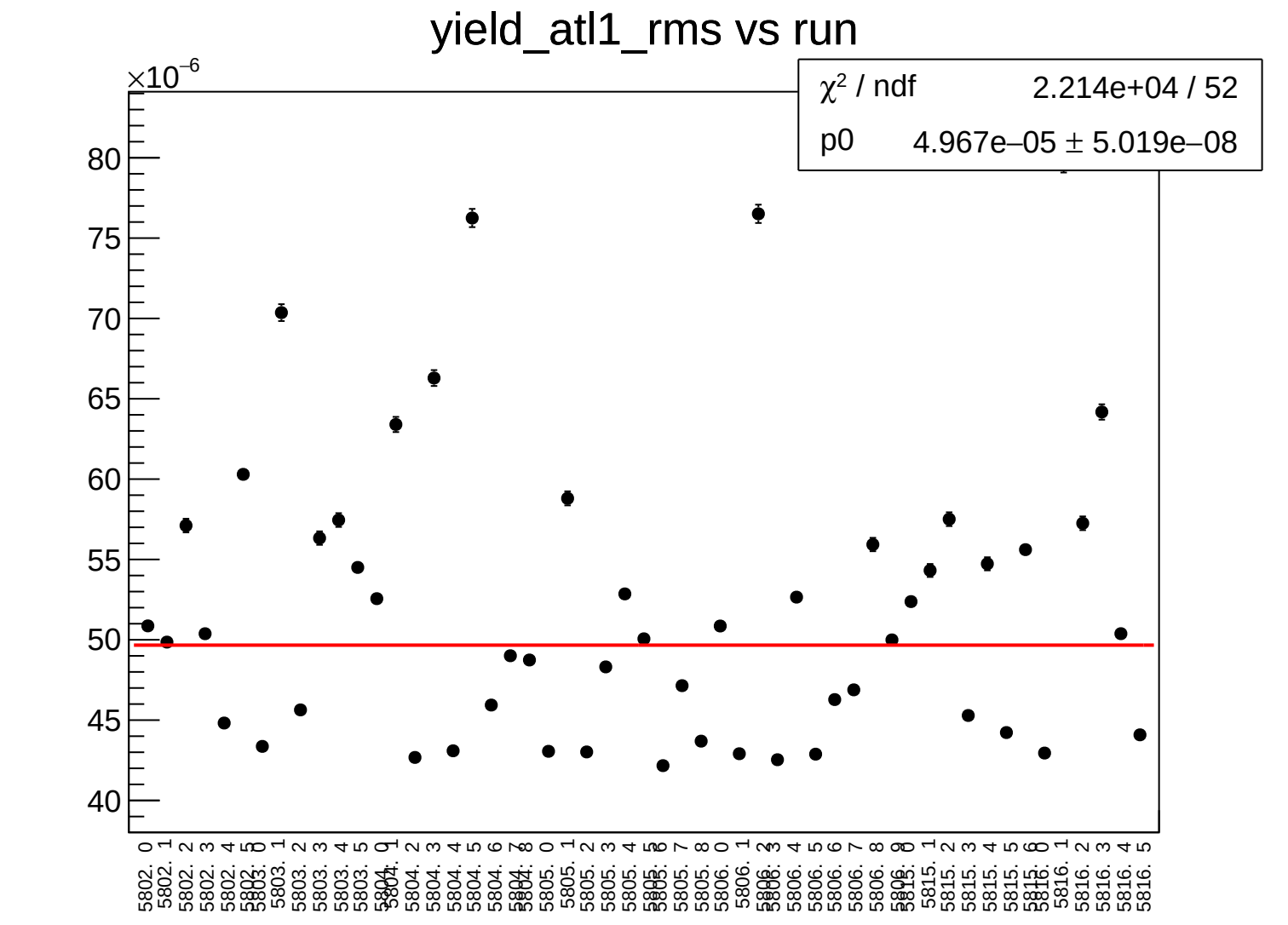

yield_dsr_mean vs run
χ² / ndf 3.365e+05 / 52
p0 −25.44 ± 8.292e−05
−25.35
−25.4
−25.45
−25.5
−25.55
pull
Entries 53
Mean 718.9
Std Dev 0
200
150
100
50
0
−50
−100
−150

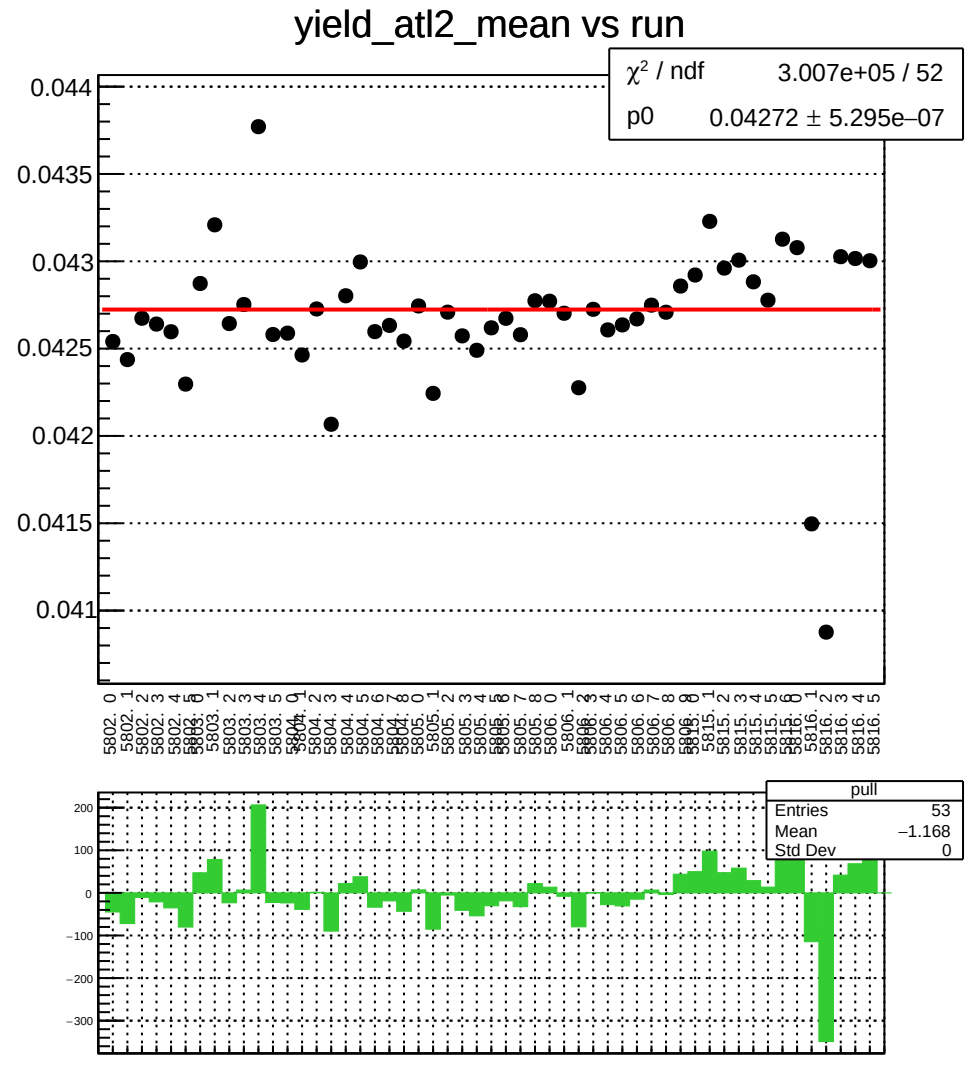

pull1D
Entries 53
Mean −0.7404
Std Dev 4.997
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

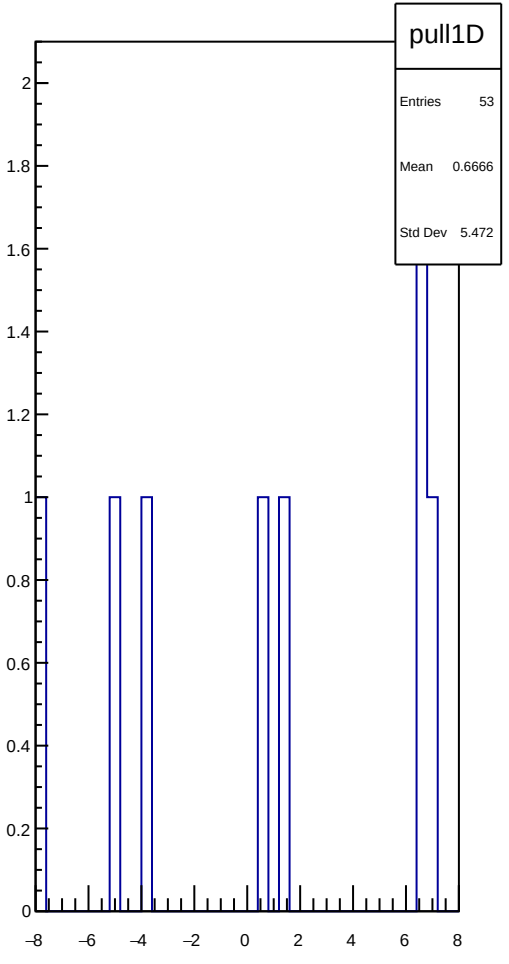

yield_dsr_rms vs run
χ² / ndf 2.654e+04 / 52
p0 0.0579 ± 5.864e−05
0.09
0.08
0.07
0.06
0.05
0.04

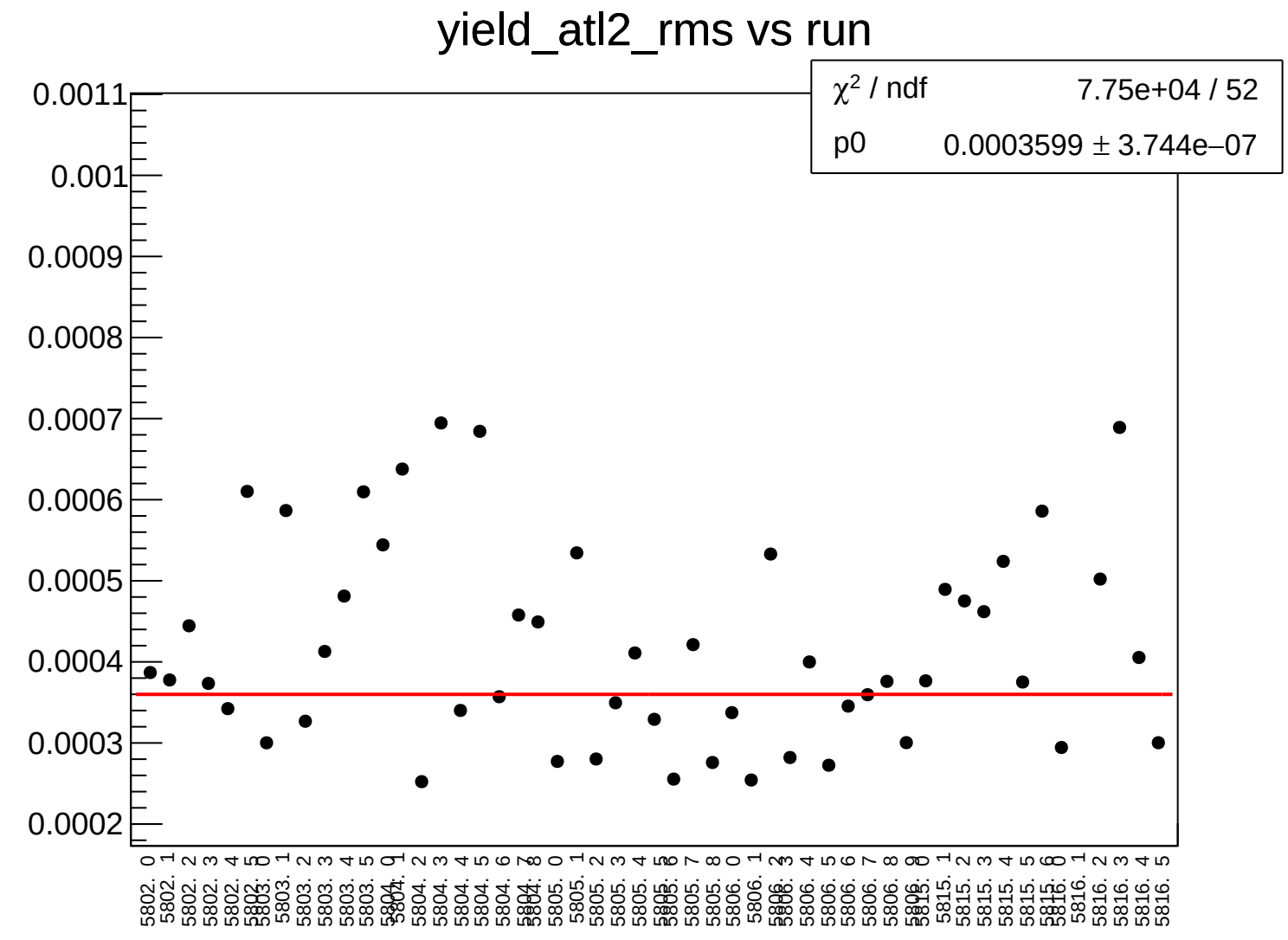

yield_atl1_mean vs run
χ² / ndf 1.943e+05 / 52
p0 0.01126 ± 7.097e−08
0.01135
0.0113
0.01125
0.0112
0.01115
0.0111
pull
Entries 53
Mean 1576
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
−300

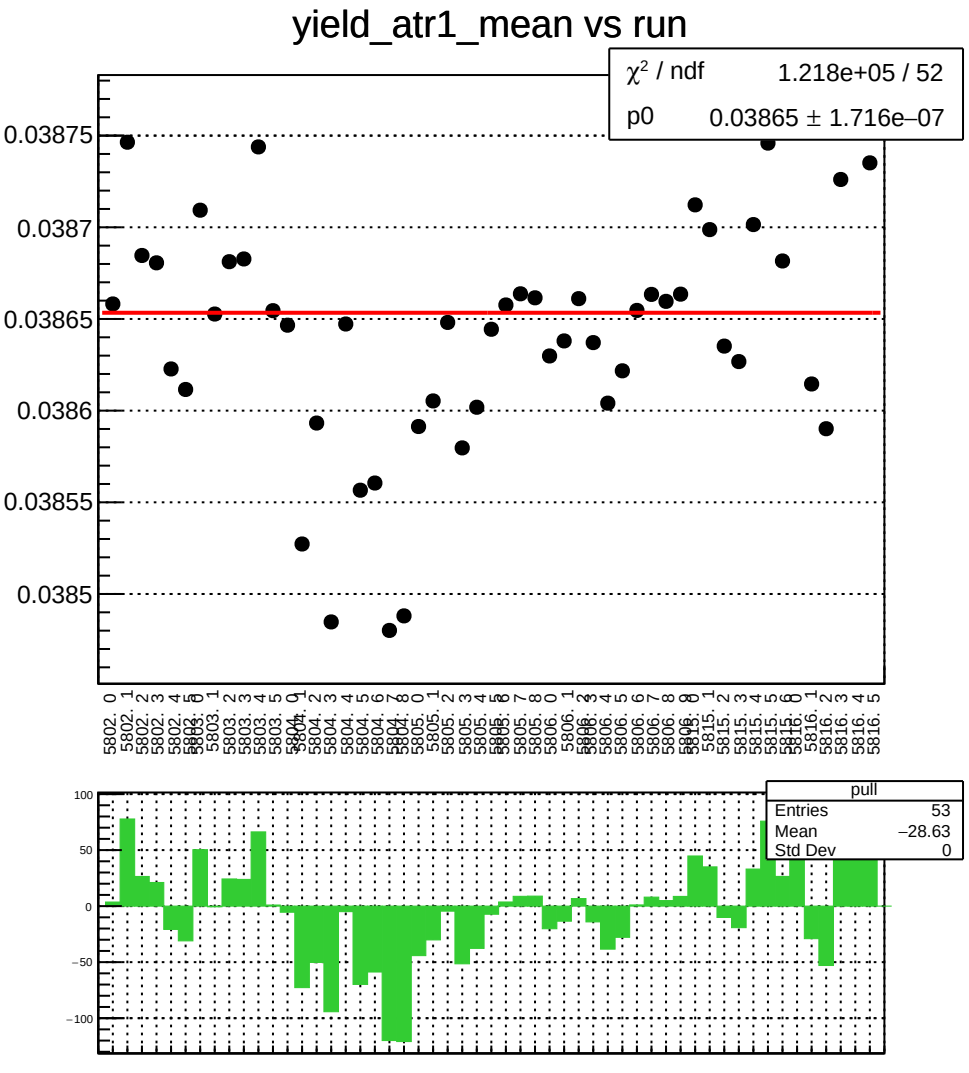

pull1D
Entries 53
Mean 3.591
Std Dev 1.826
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

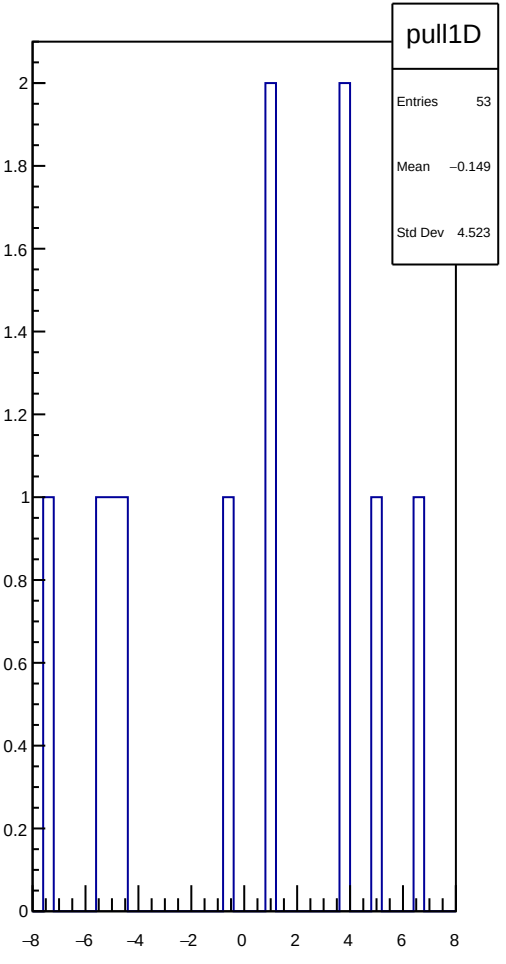

yield_atl1_rms vs run
×10⁻⁶
χ² / ndf 2.214e+04 / 52
p0 4.967e−05 ± 5.019e−08
80
75
70
65
60
55
50
45
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

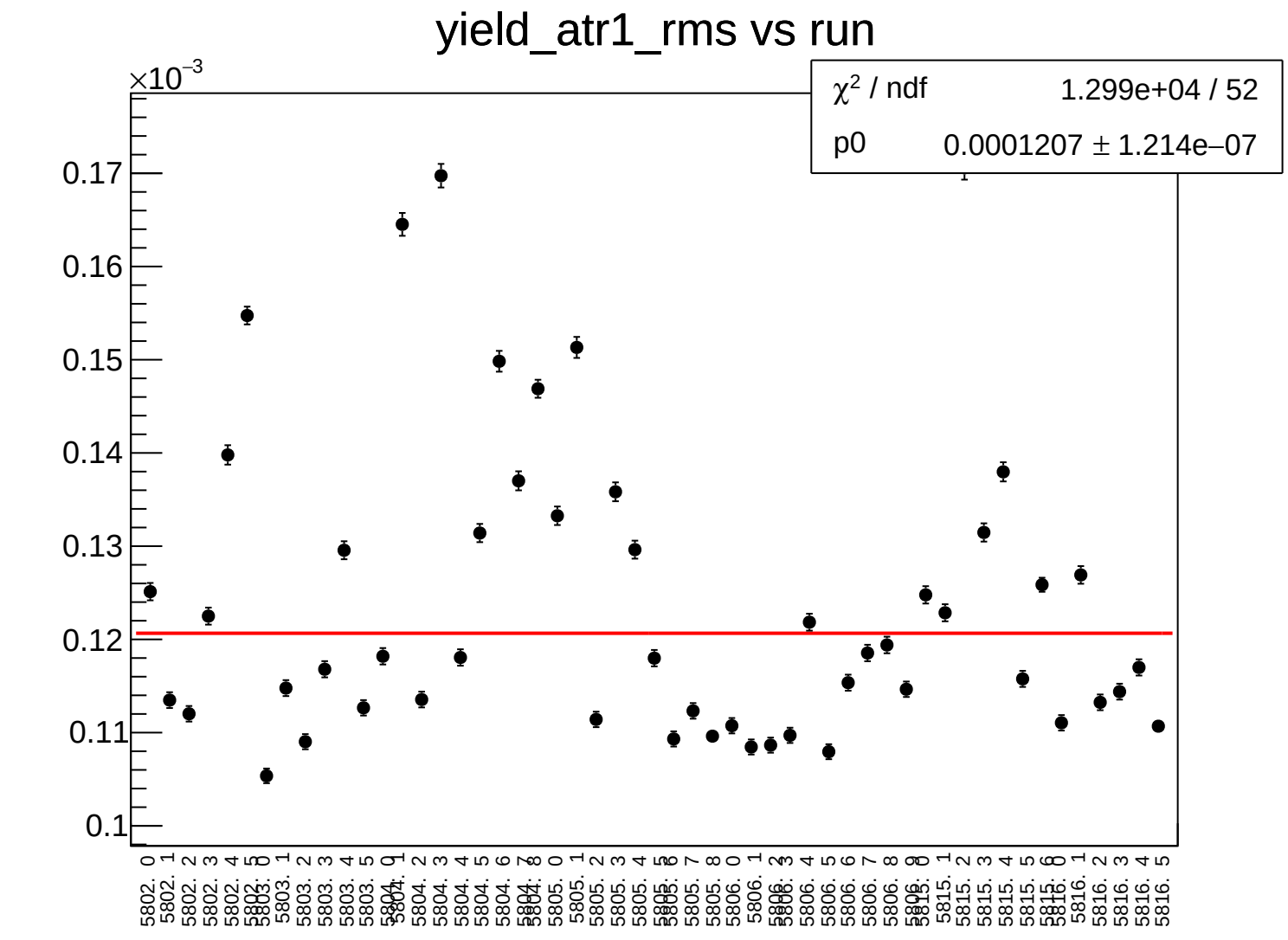

yield_atl2_mean vs run
χ² / ndf 3.007e+05 / 52
p0 0.04272 ± 5.295e−07
0.044
0.0435
0.043
0.0425
0.042
0.0415
0.041
pull
Entries 53
Mean −1.168
Std Dev 0
200
100
0
−100
−200
−300

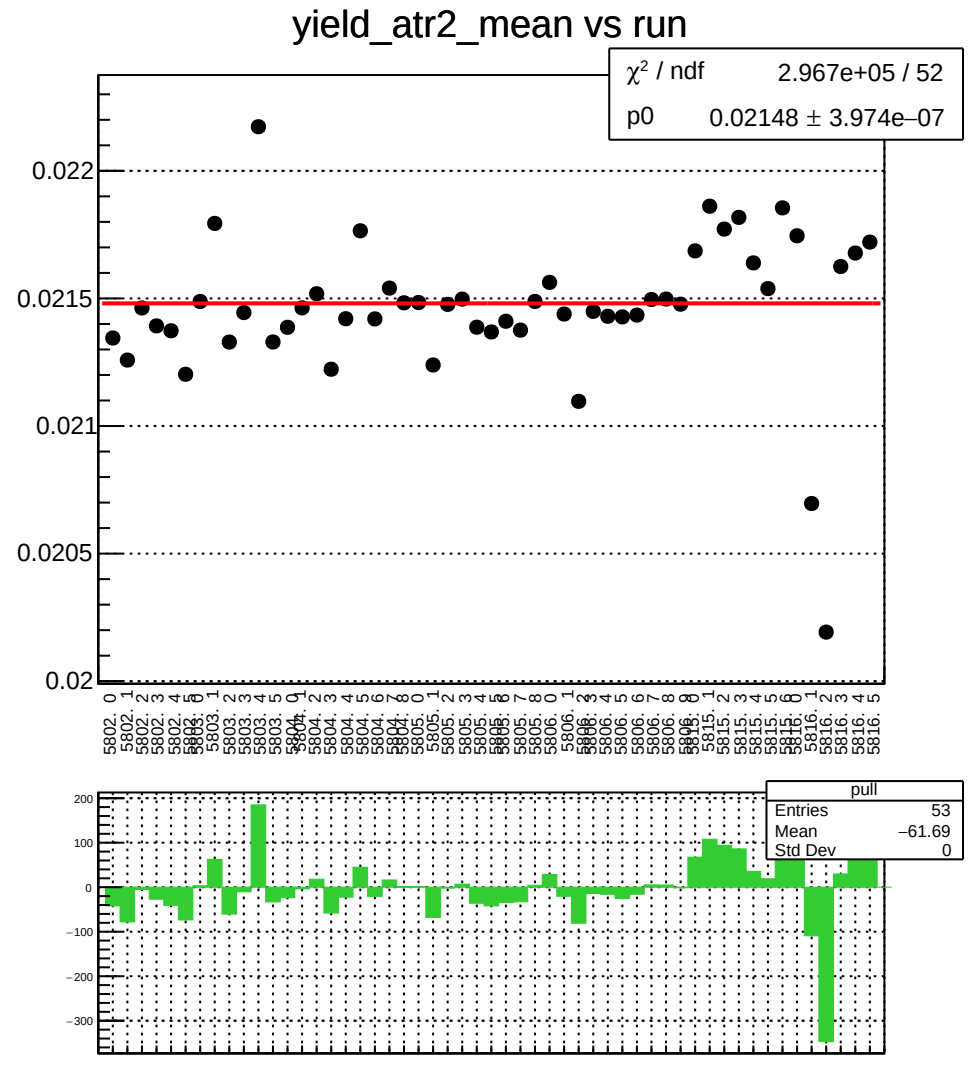

pull1D
Entries 53
Mean 0.6666
Std Dev 5.472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

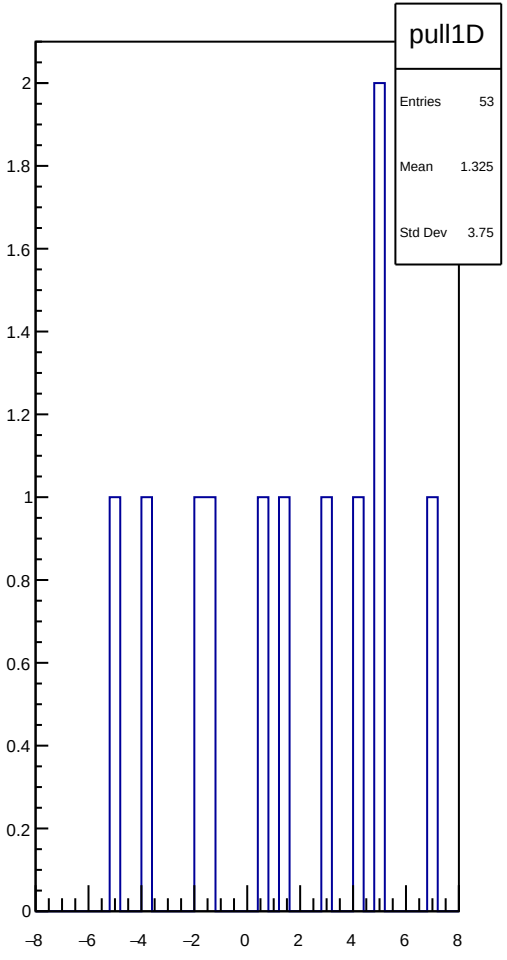

yield_atl2_rms vs run
χ² / ndf 7.75e+04 / 52
p0 0.0003599 ± 3.744e−07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002

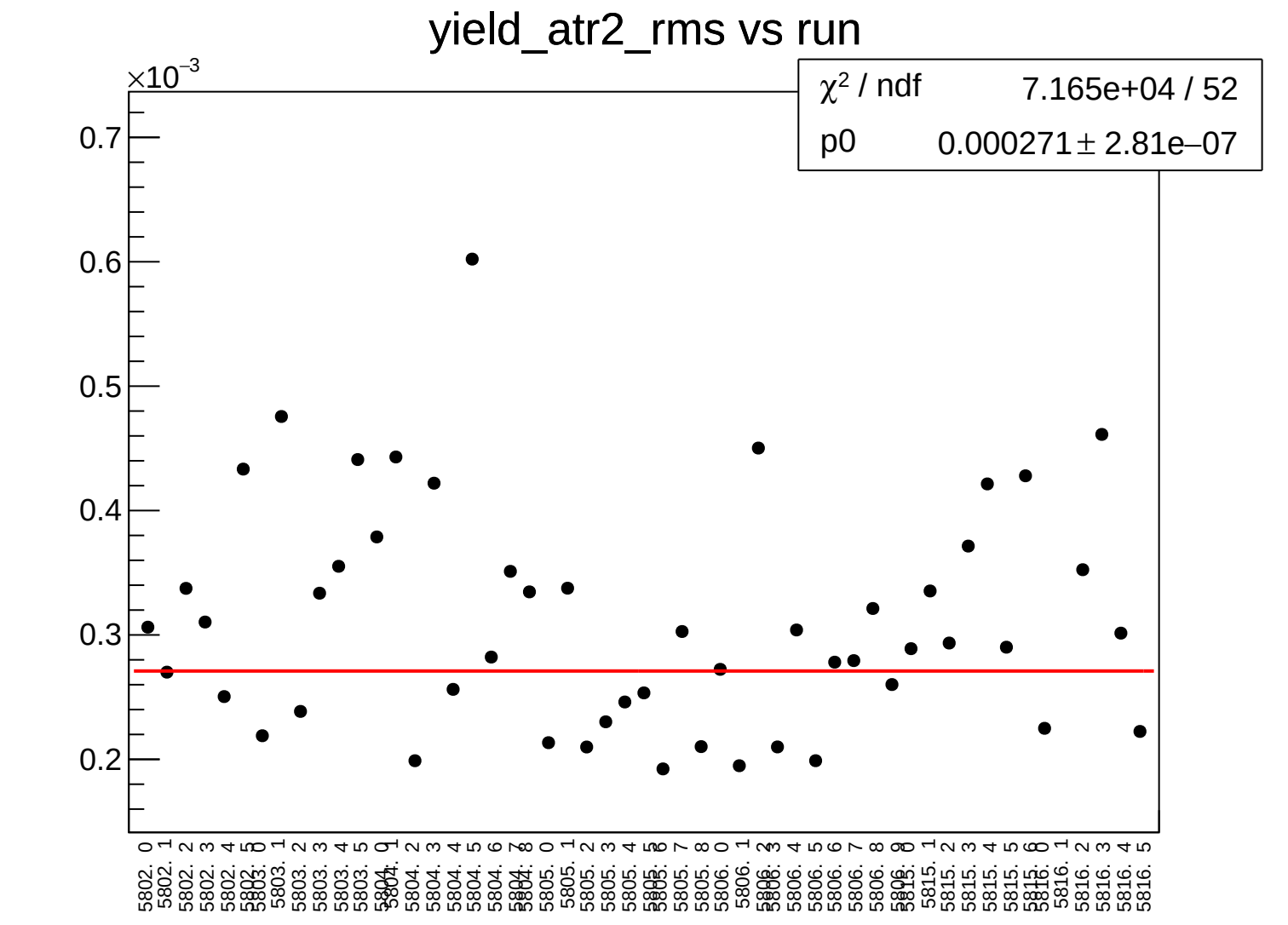

yield_atr1_mean vs run
χ² / ndf 1.218e+05 / 52
p0 0.03865 ± 1.716e−07
0.03875
0.0387
0.03865
0.0386
0.03855
0.0385
pull
Entries 53
Mean −28.63
Std Dev 0
100
50
0
−50
−100

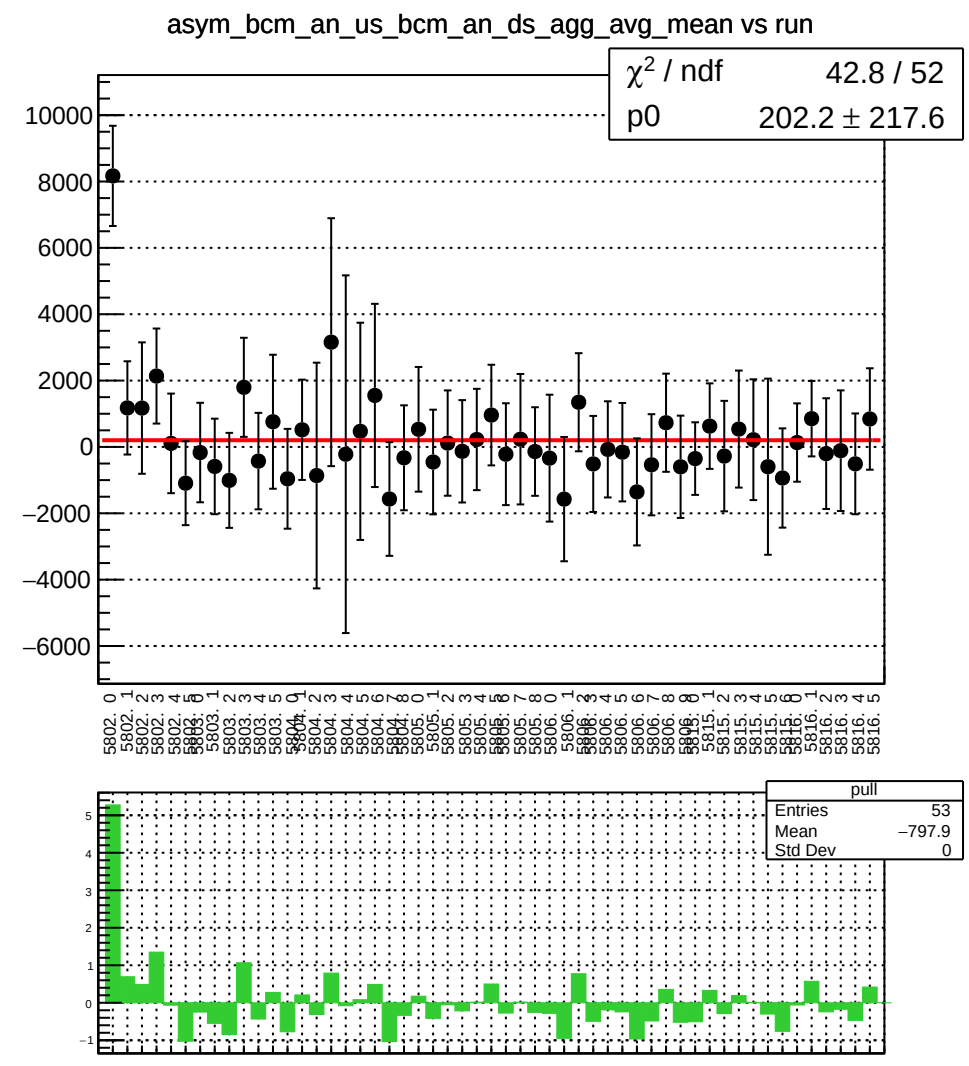

pull1D
Entries 53
Mean −0.149
Std Dev 4.523
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

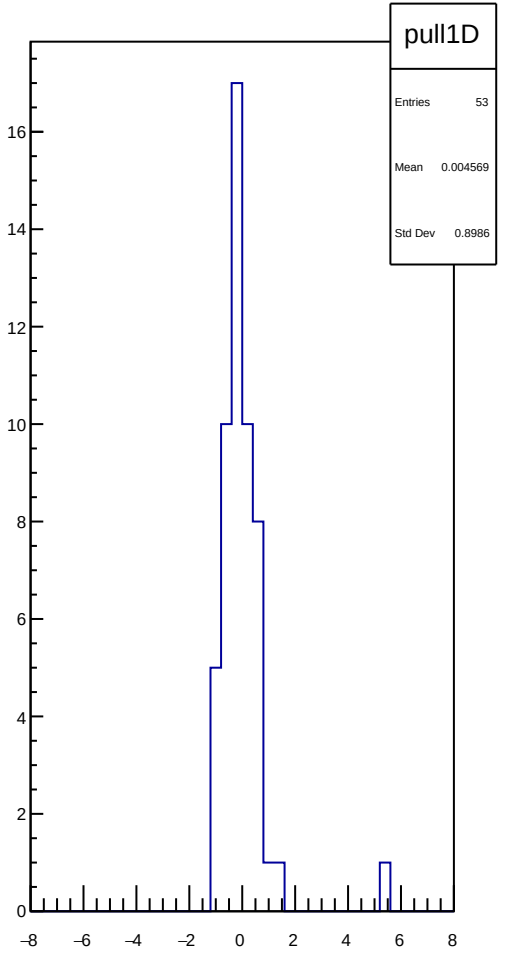

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.299e+04 / 52
p0 0.0001207 ± 1.214e−07
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1

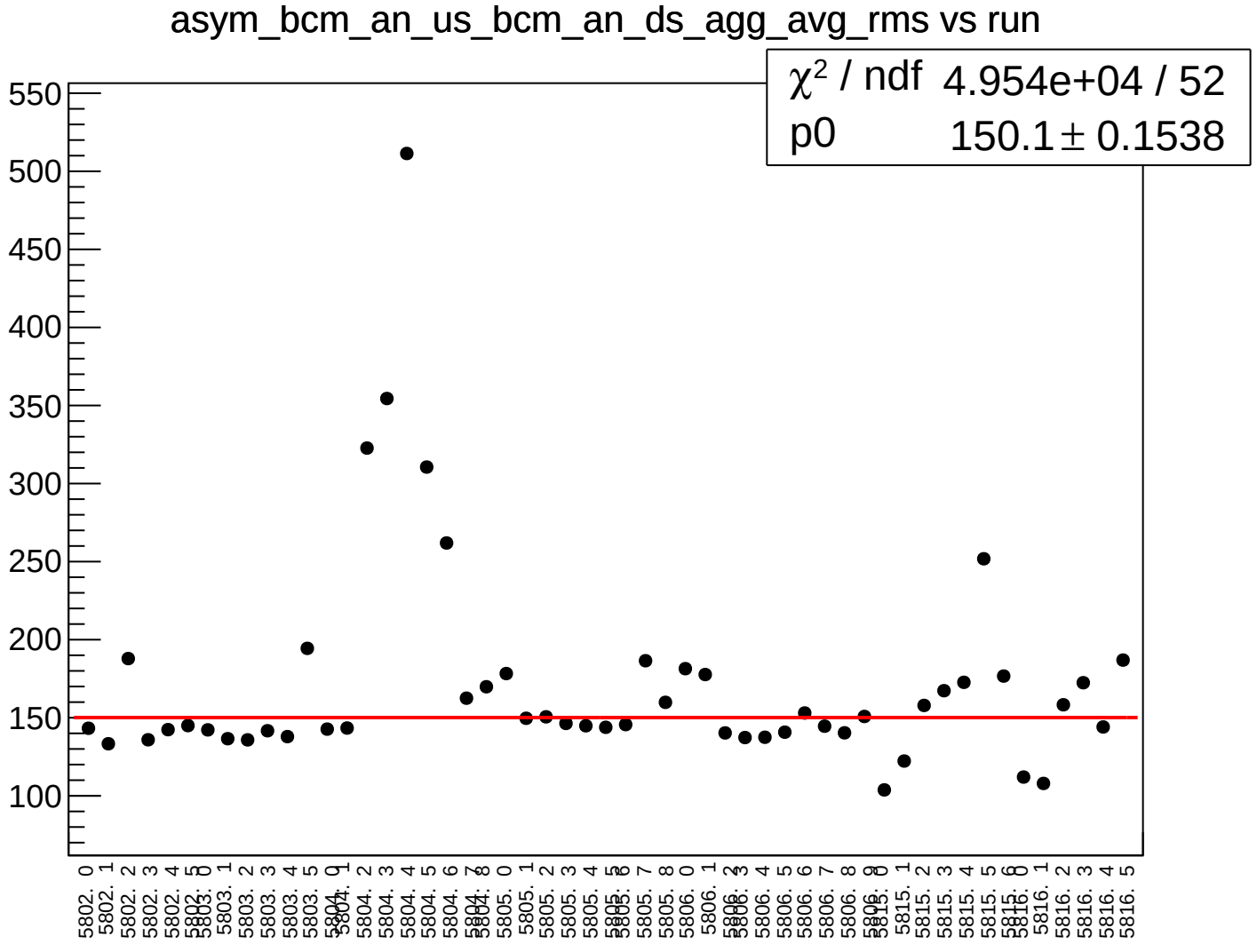

yield_atr2_mean vs run
χ² / ndf 2.967e+05 / 52
p0 0.02148 ± 3.974e−07
0.022
0.0215
0.021
0.0205
0.02
pull
Entries 53
Mean −61.69
Std Dev 0
200
100
0
−100
−200
−300

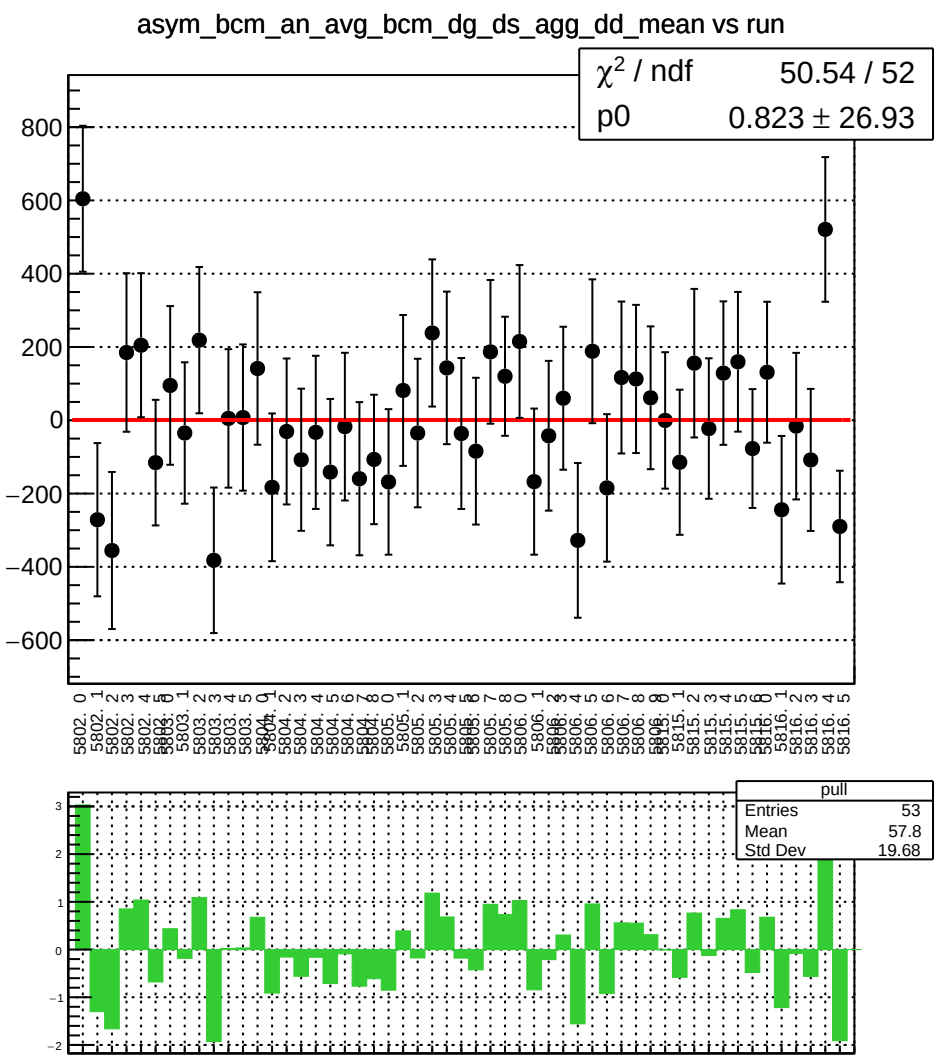

pull1D
Entries 53
Mean 1.325
Std Dev 3.75
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

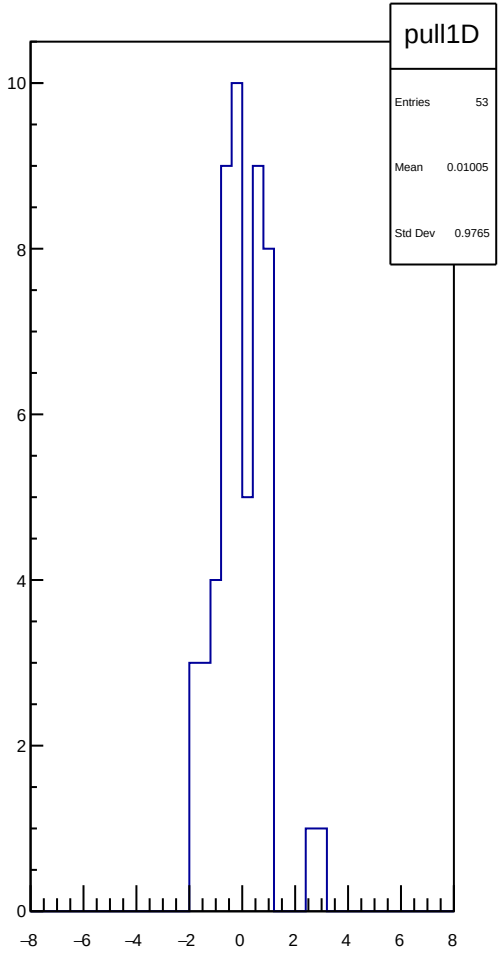

yield_atr2_rms vs run
×10⁻³
χ² / ndf 7.165e+04 / 52
p0 0.000271 ± 2.81e–07
0.7
0.6
0.5
0.4
0.3
0.2

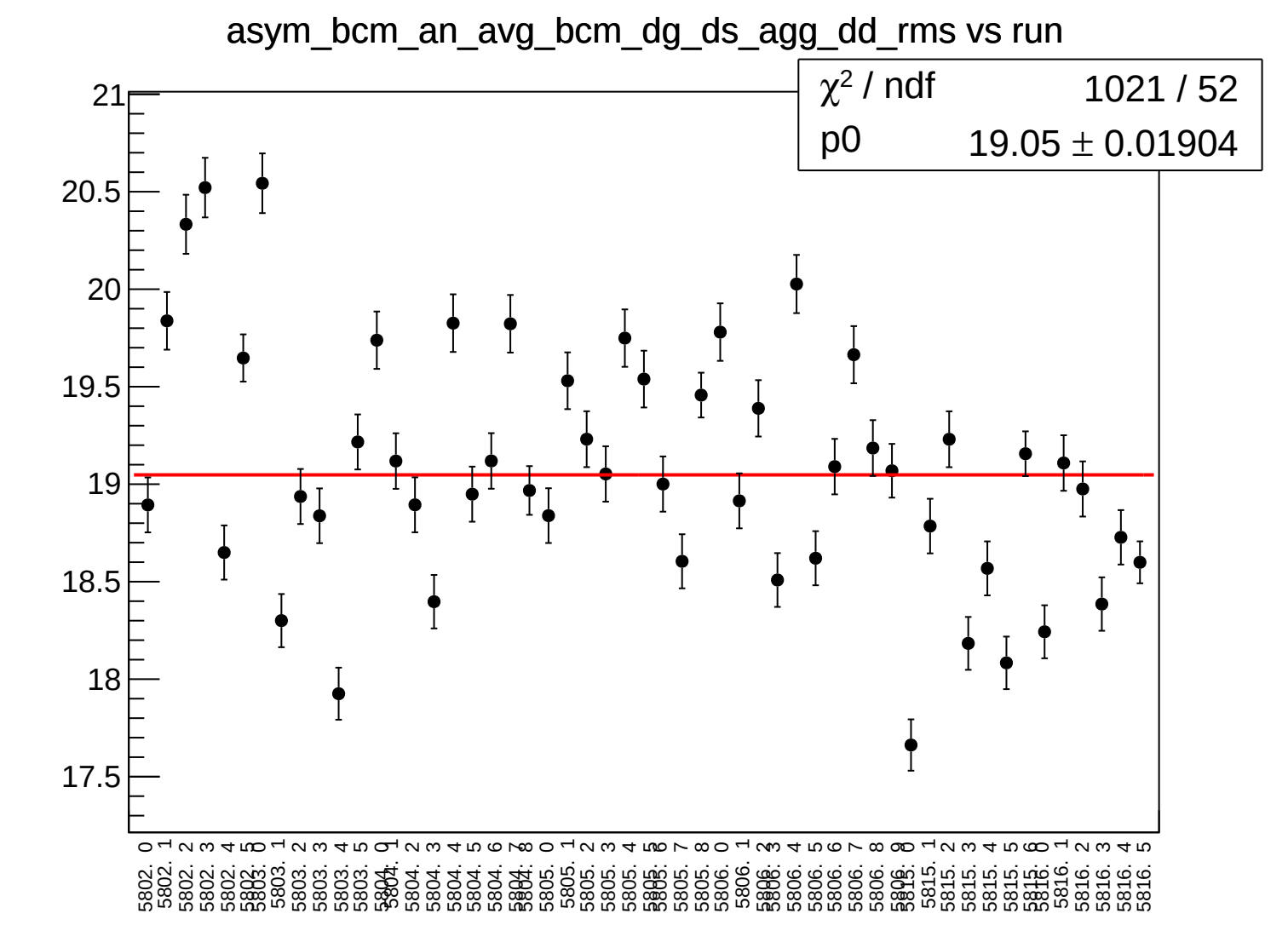

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 42.8 / 52
p0 202.2 ± 217.6
pull
Entries 53
Mean −797.9
Std Dev 0

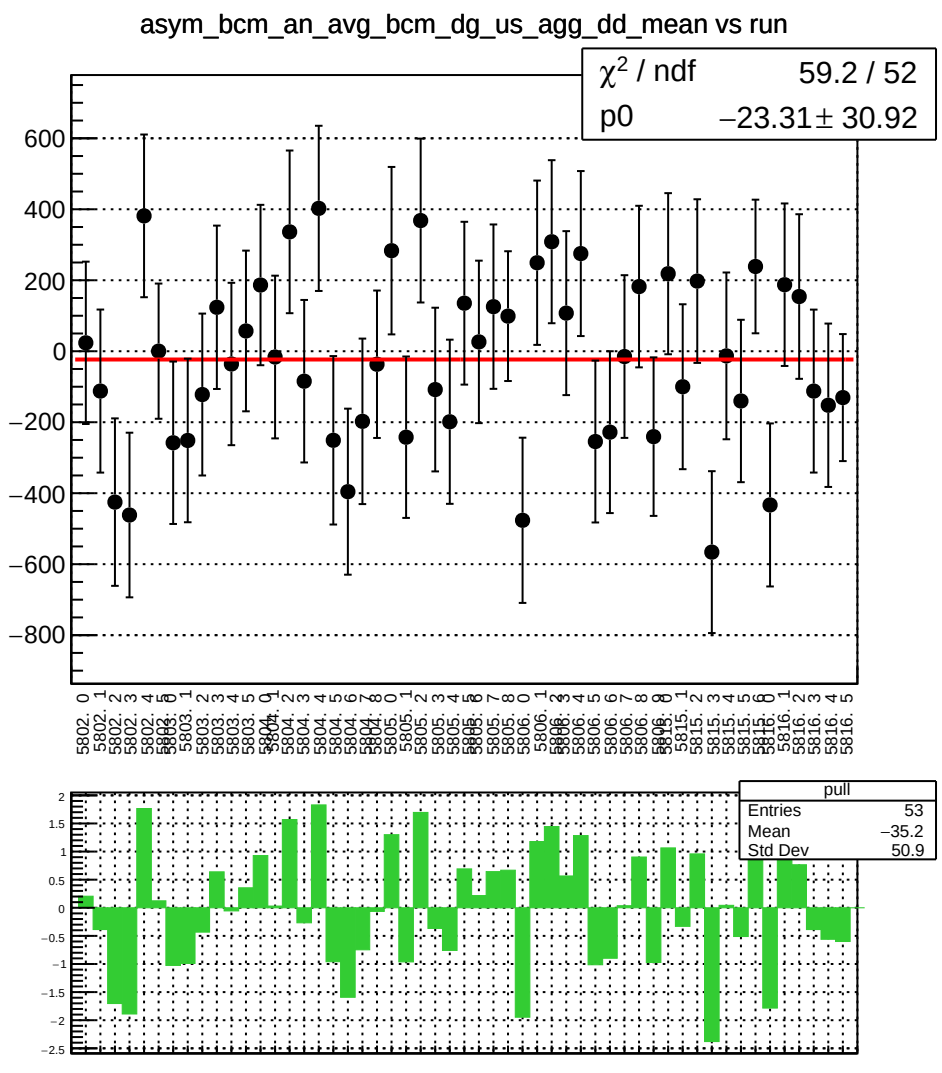

pull1D
Entries 53
Mean 0.004569
Std Dev 0.8986

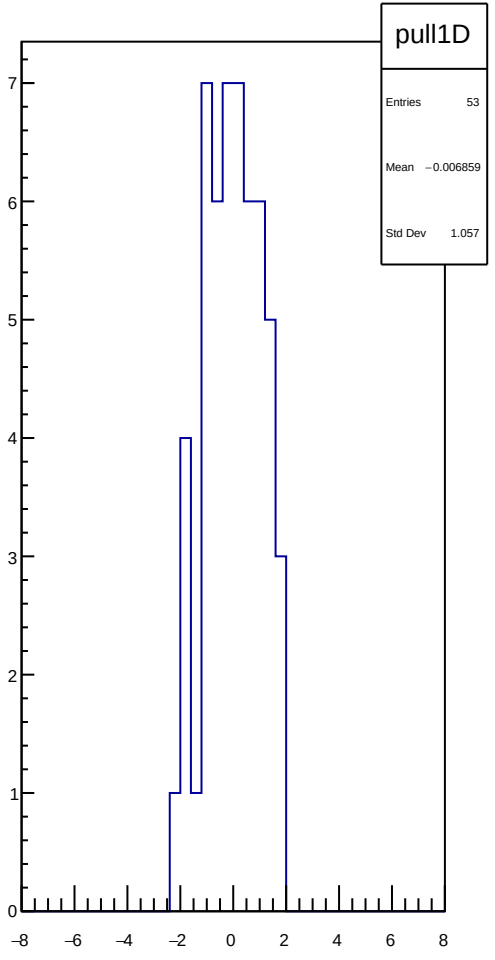

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.954e+04 / 52
p0 150.1 ± 0.1538
550
500
450
400
350
300
250
200
150
100

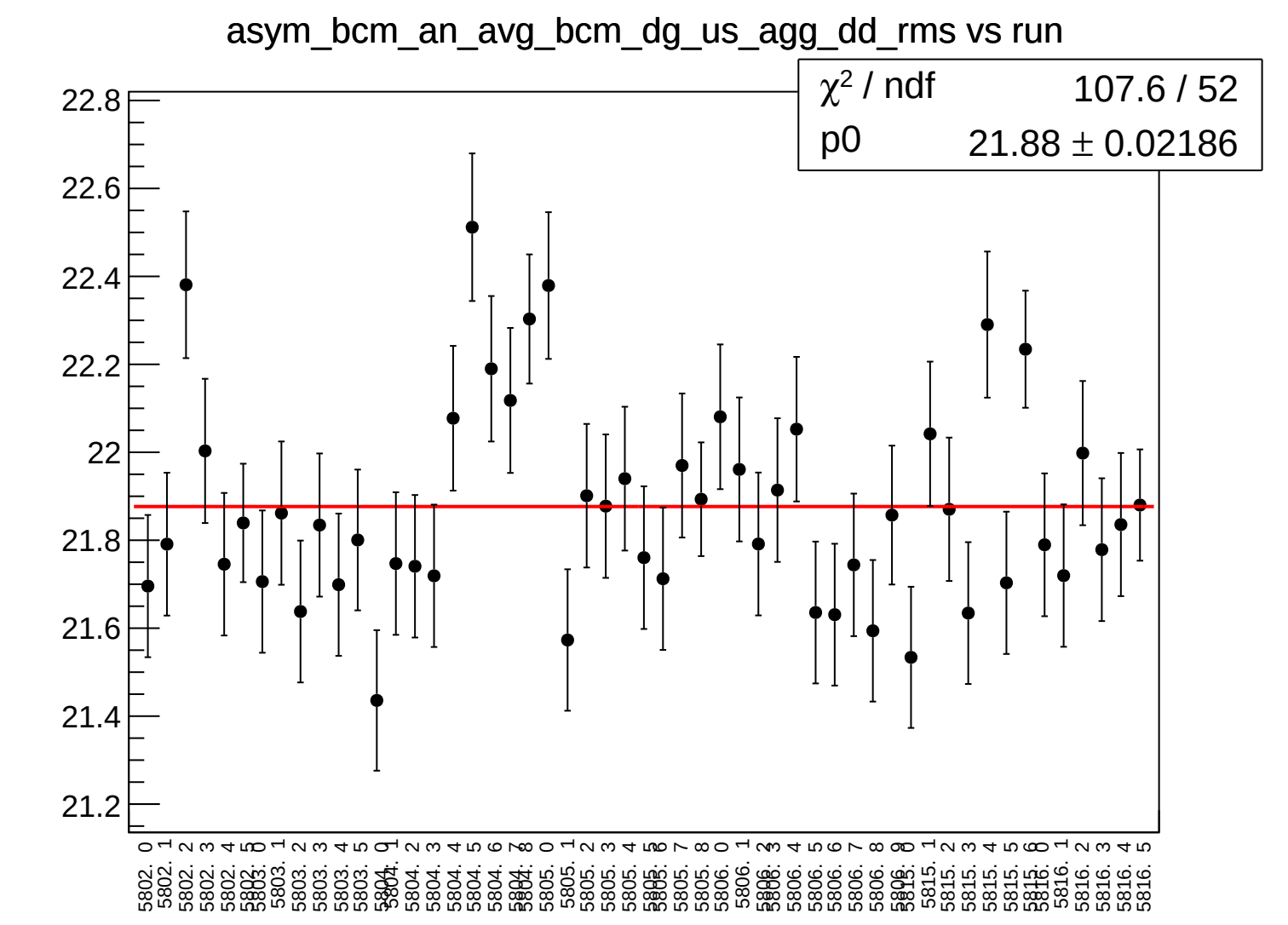

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.54 / 52
p0 0.823 ± 26.93
pull
Entries 53
Mean 57.8
Std Dev 19.68

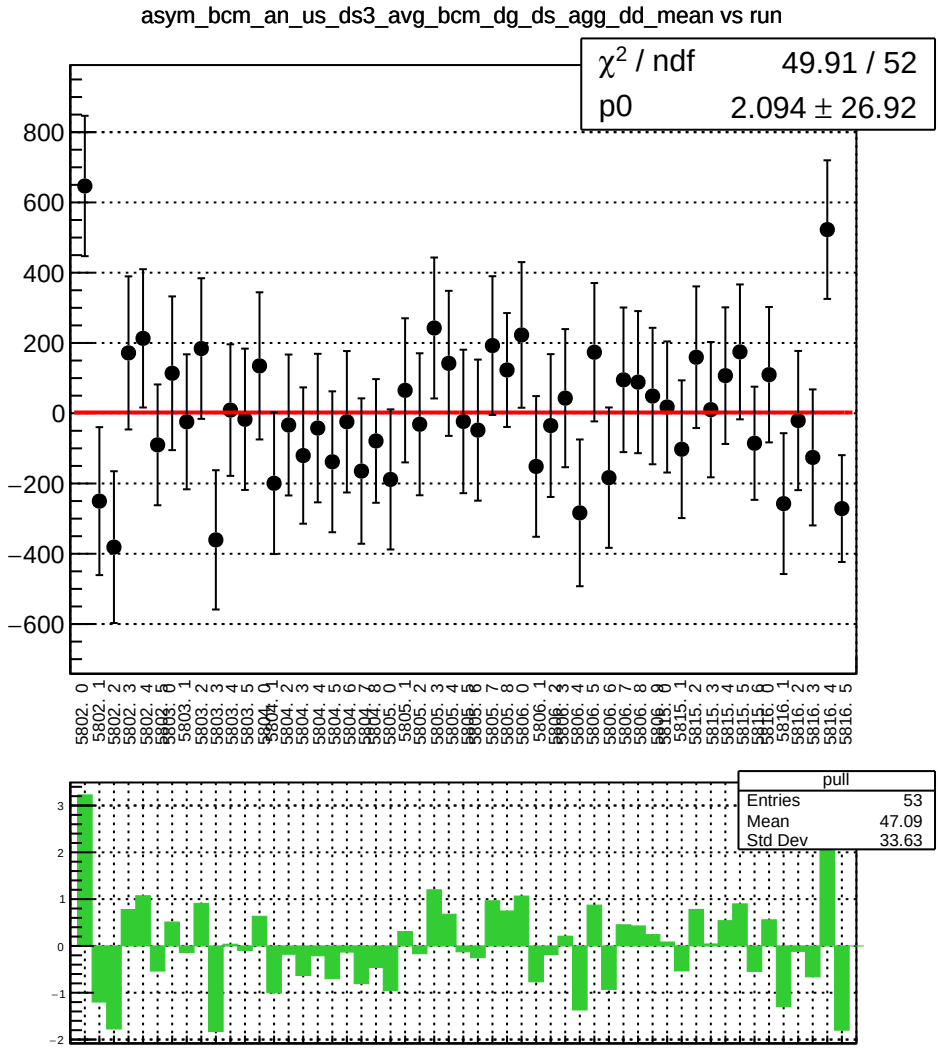

pull1D
Entries 53
Mean 0.01005
Std Dev 0.9765

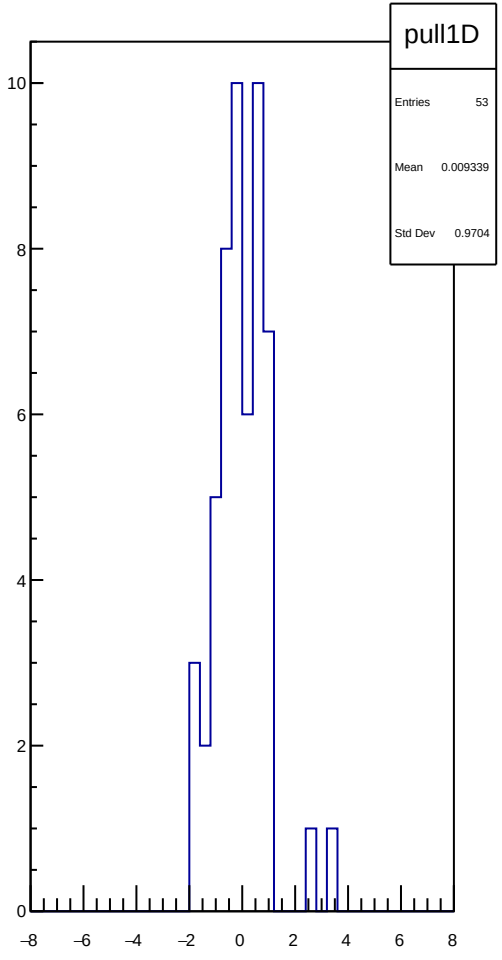

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1021 / 52
p0 19.05 ± 0.01904
21
20.5
20
19.5
19
18.5
18
17.5

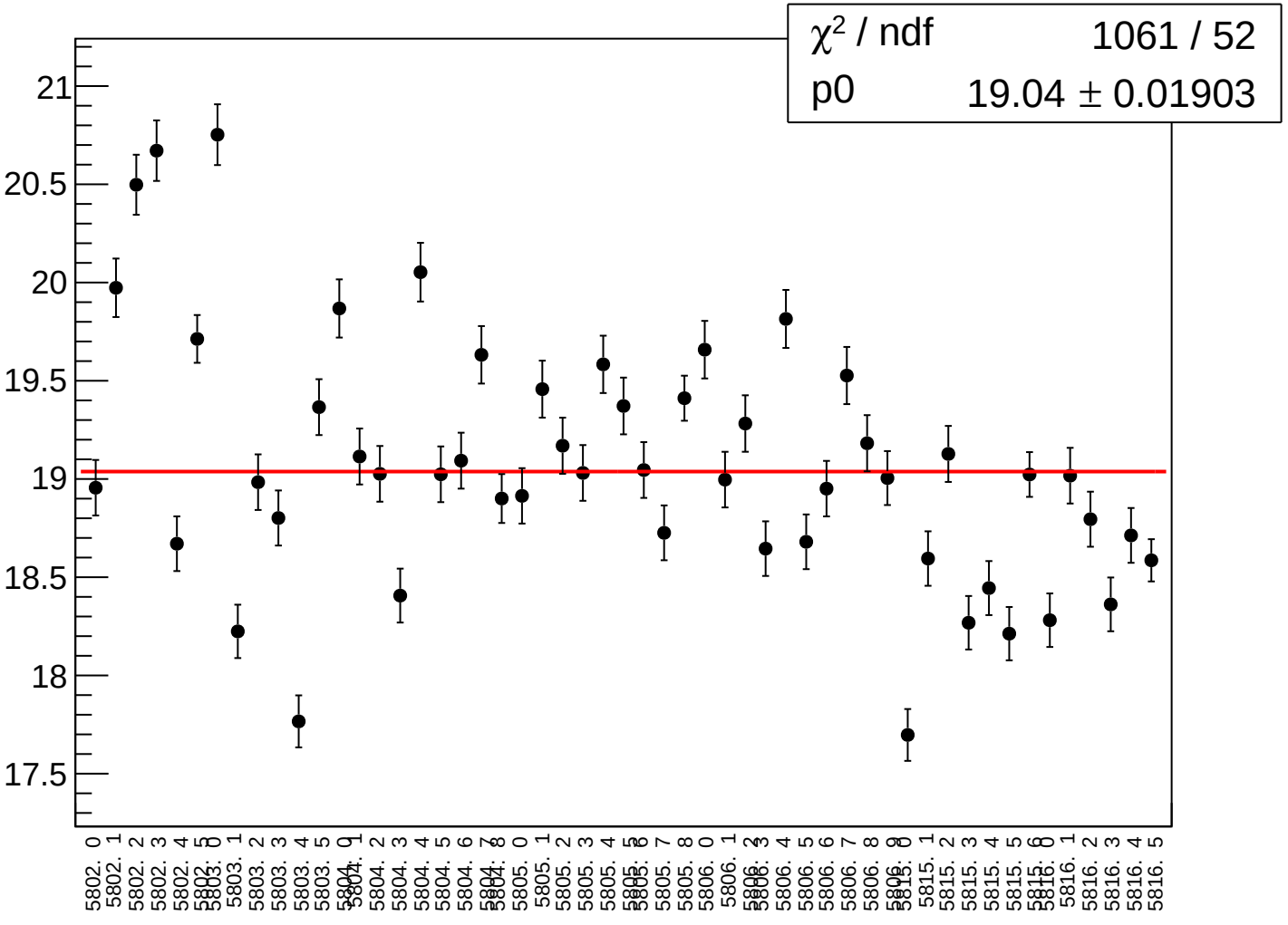

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 59.2 / 52
p0 −23.31 ± 30.92
pull
Entries 53
Mean −35.2
Std Dev 50.9

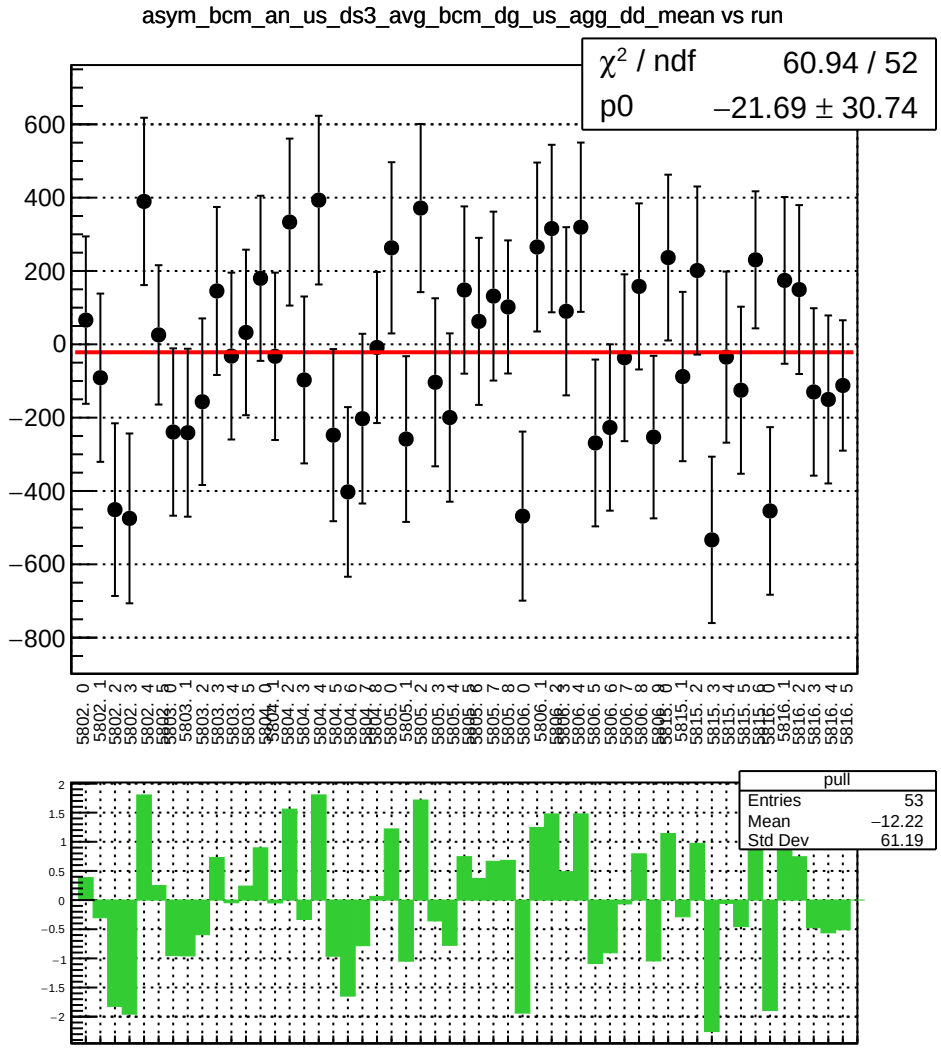

pull1D
Entries 53
Mean −0.006859
Std Dev 1.057

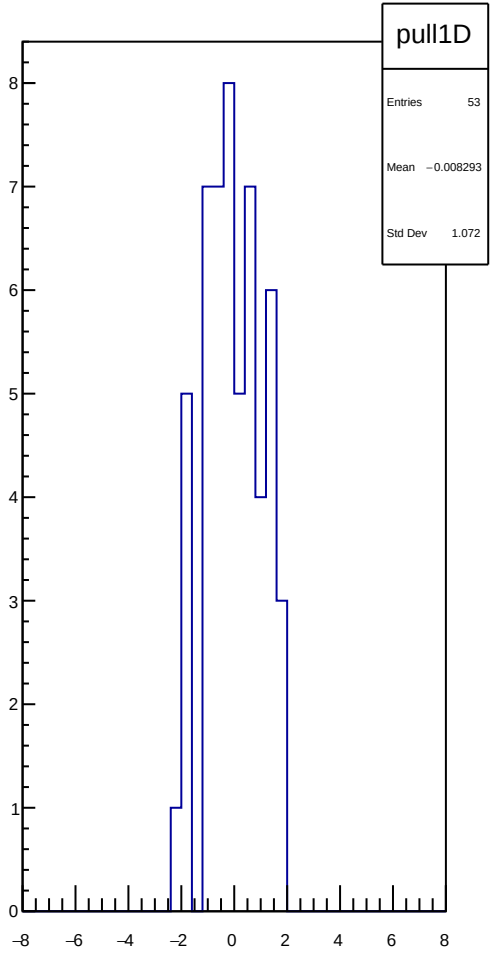

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 107.6 / 52
p0 21.88 ± 0.02186
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2

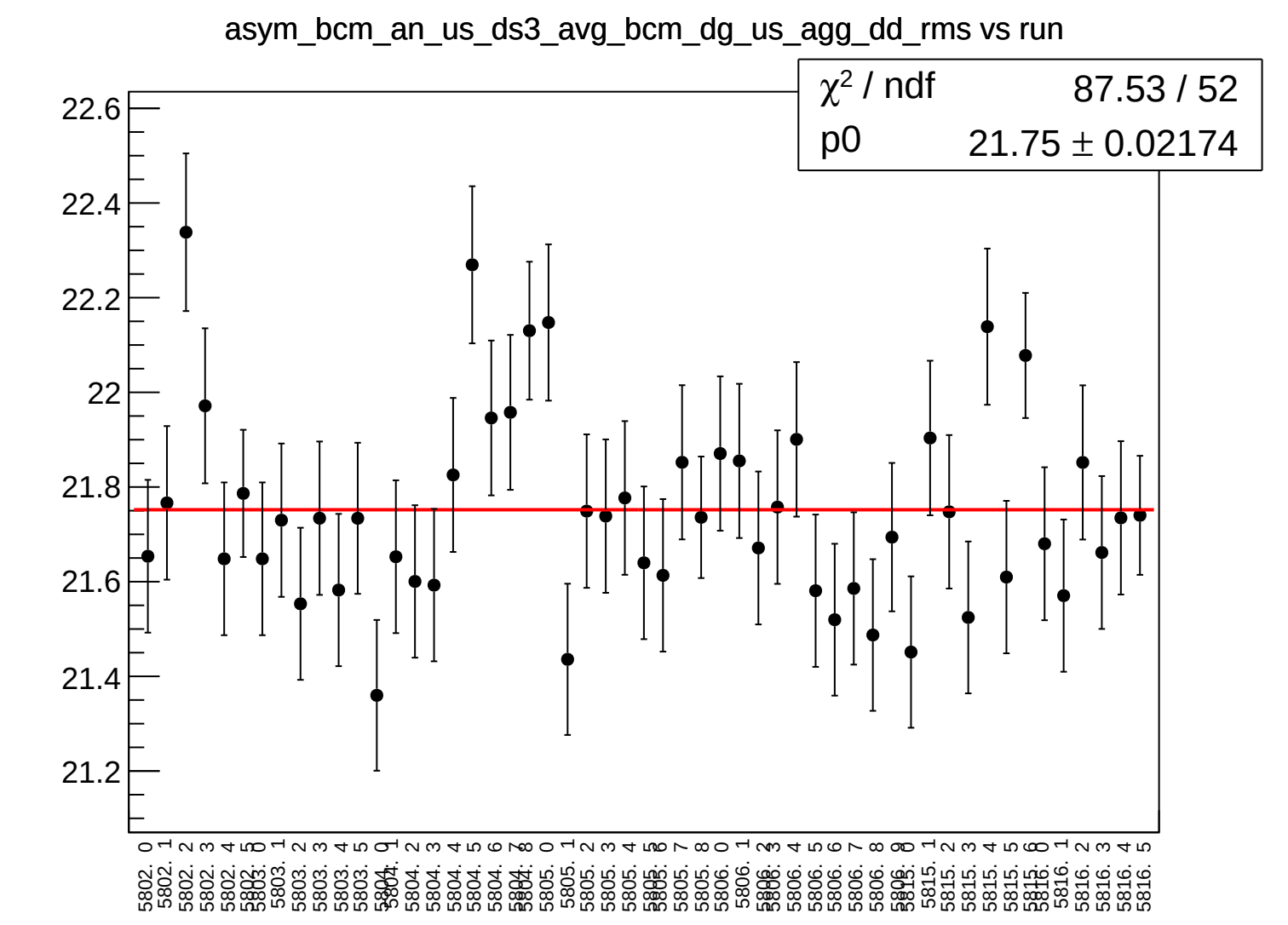

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 49.91 / 52
p0 2.094 ± 26.92
pull
Entries 53
Mean 47.09
Std Dev 33.63

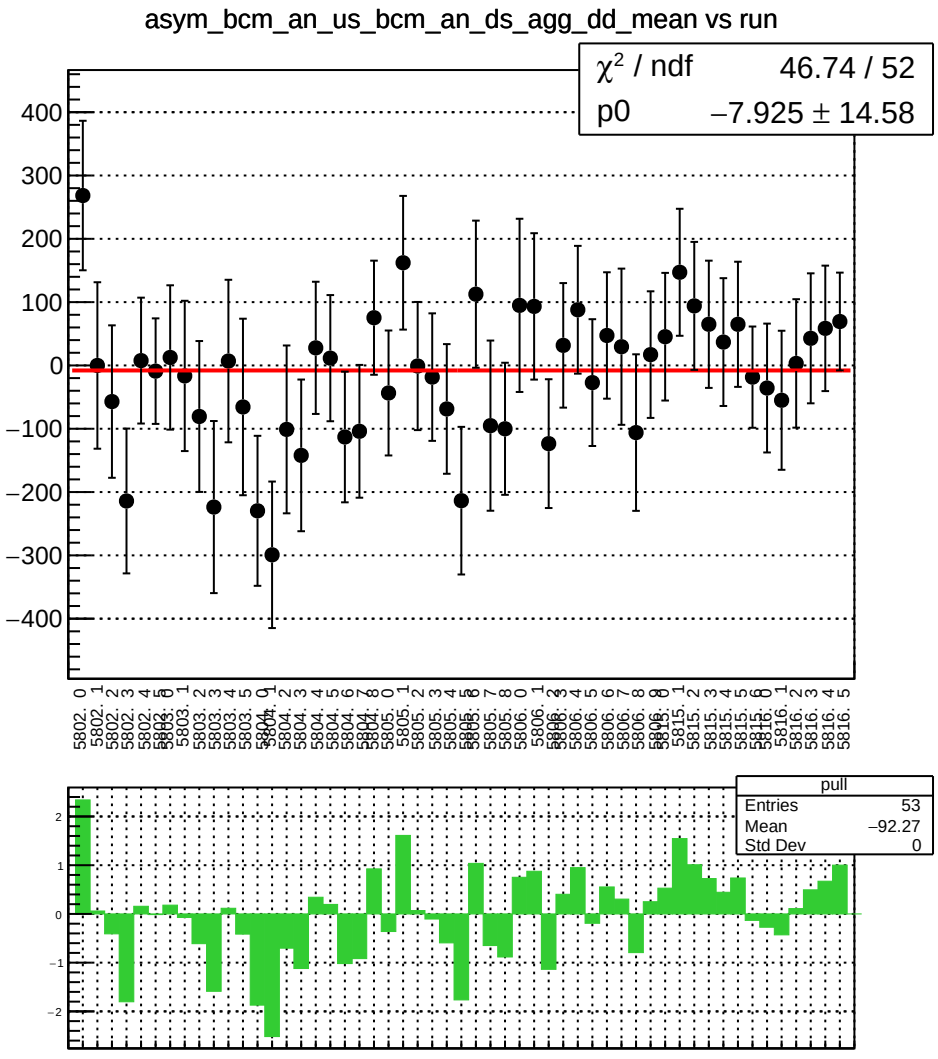

pull1D
Entries 53
Mean 0.009339
Std Dev 0.9704

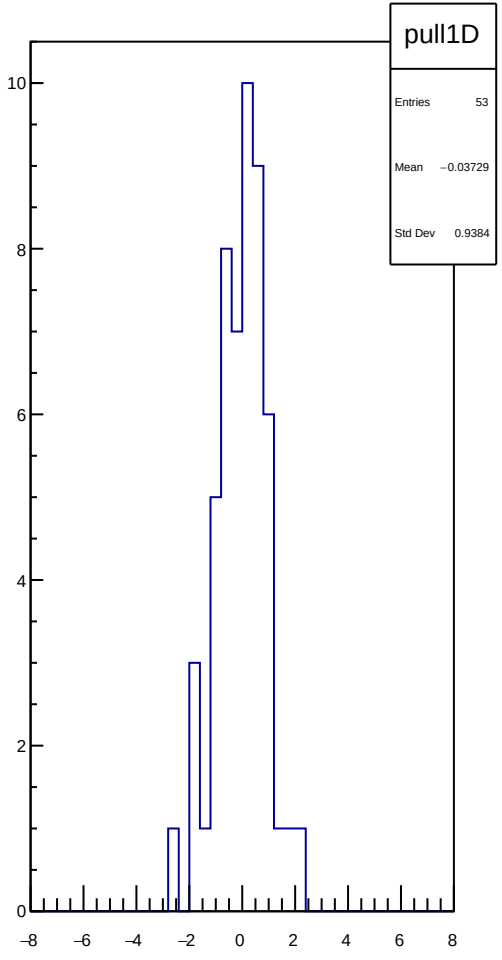

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1061 / 52
p0 19.04 ± 0.01903
21
20.5
20
19.5
19
18.5
18
17.5

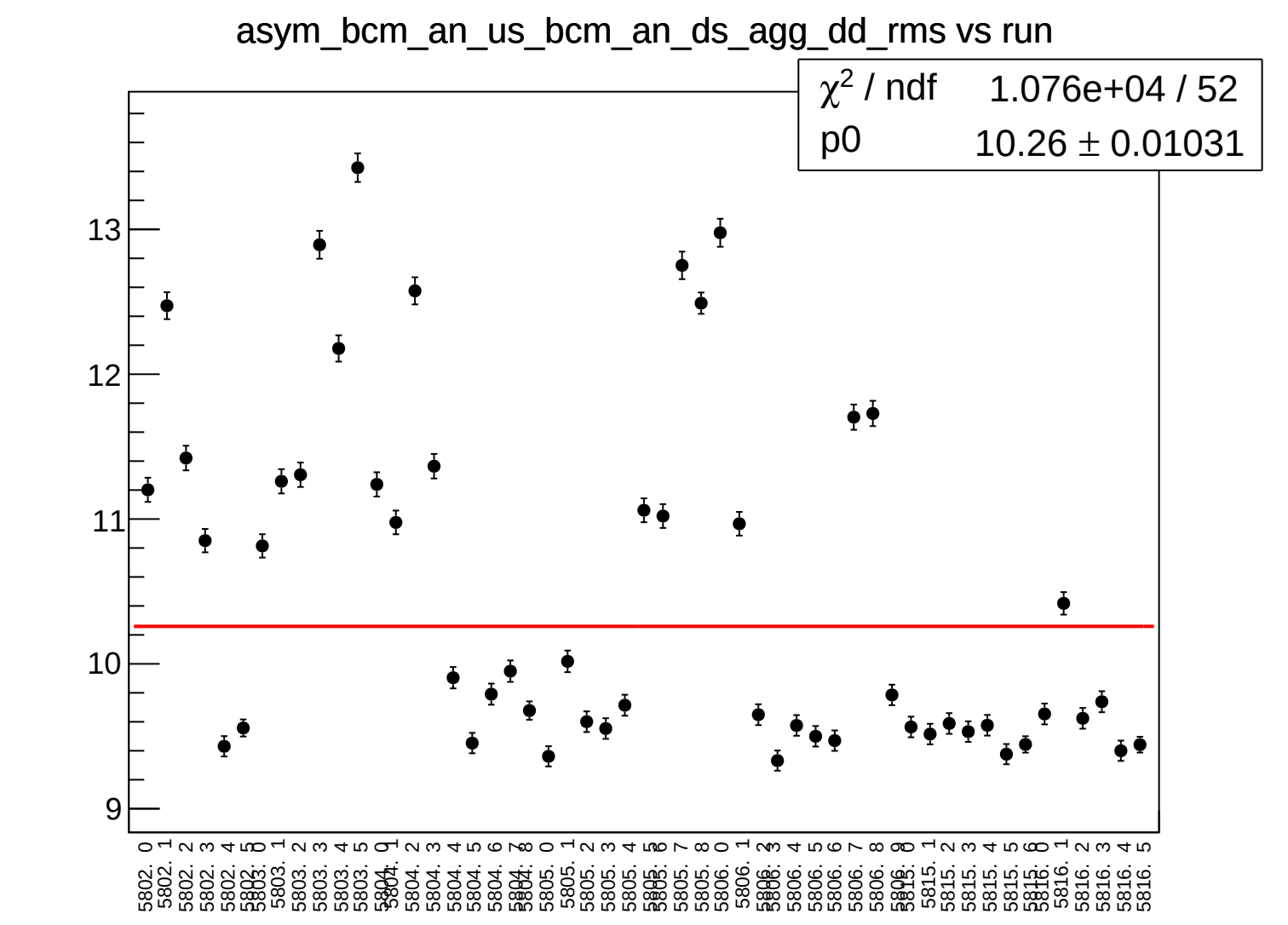

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 60.94 / 52
p0 −21.69 ± 30.74
pull
Entries 53
Mean −12.22
Std Dev 61.19

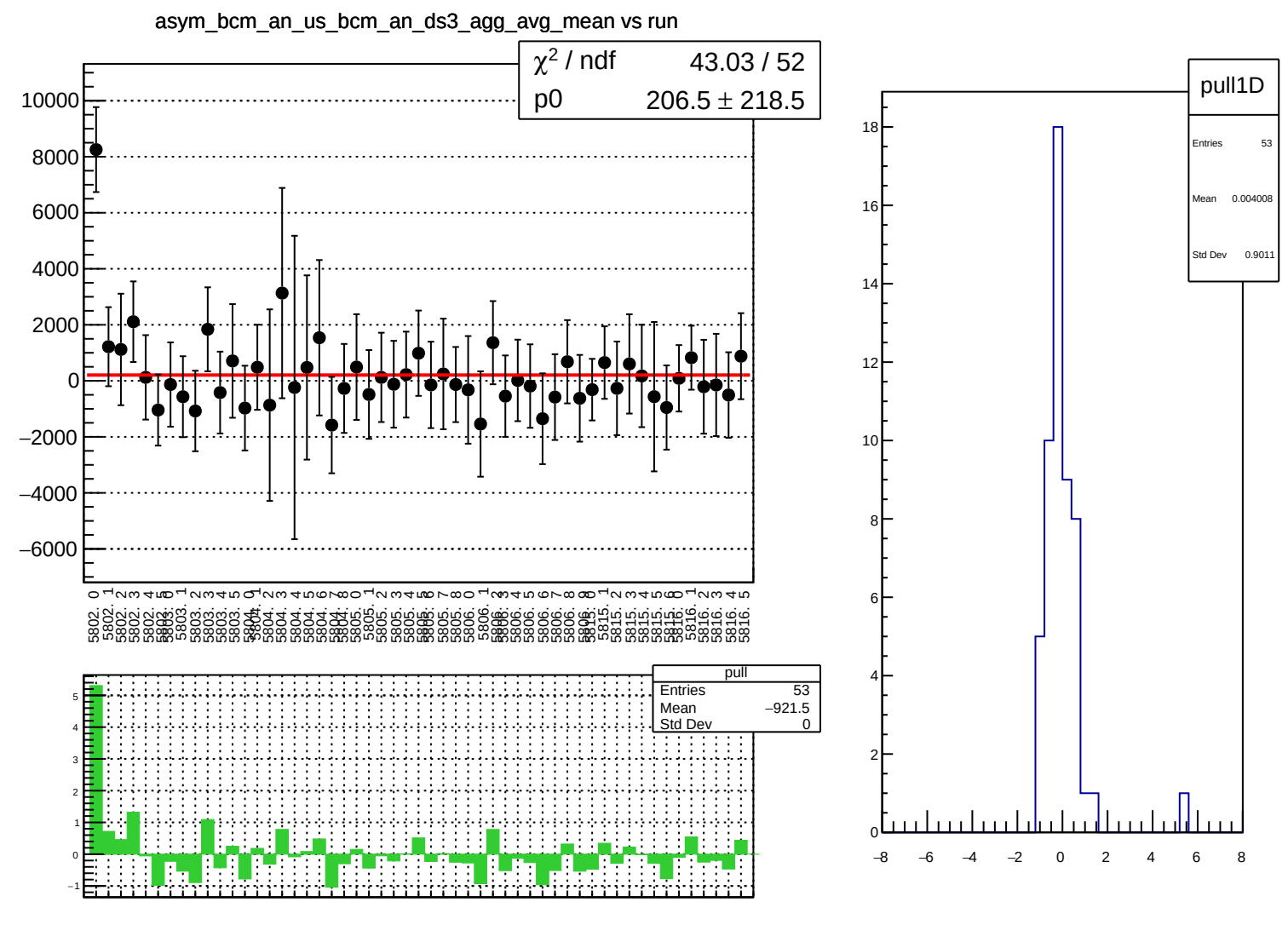

pull1D
Entries 53
Mean −0.008293
Std Dev 1.072

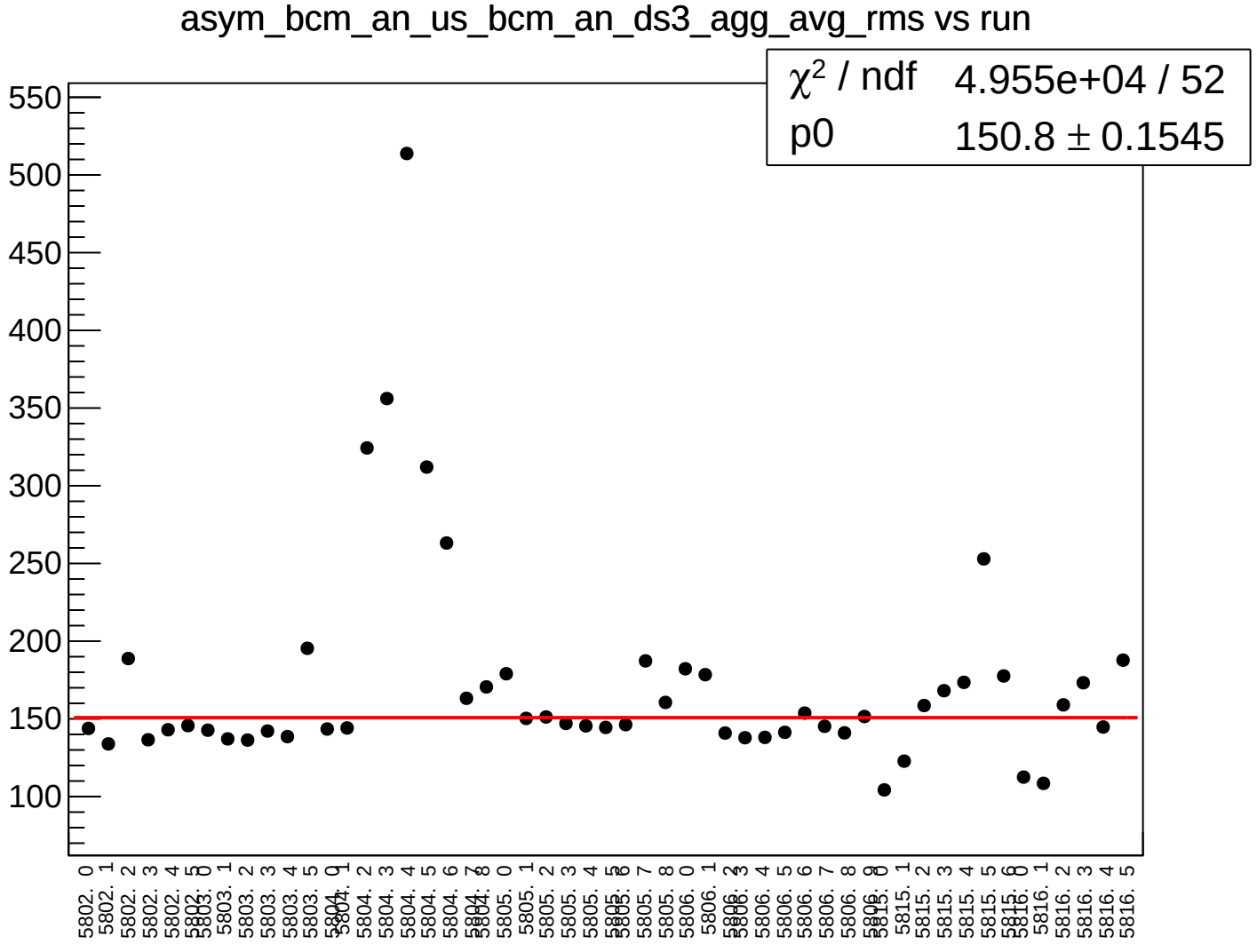

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 87.53 / 52
p0 21.75 ± 0.02174
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2

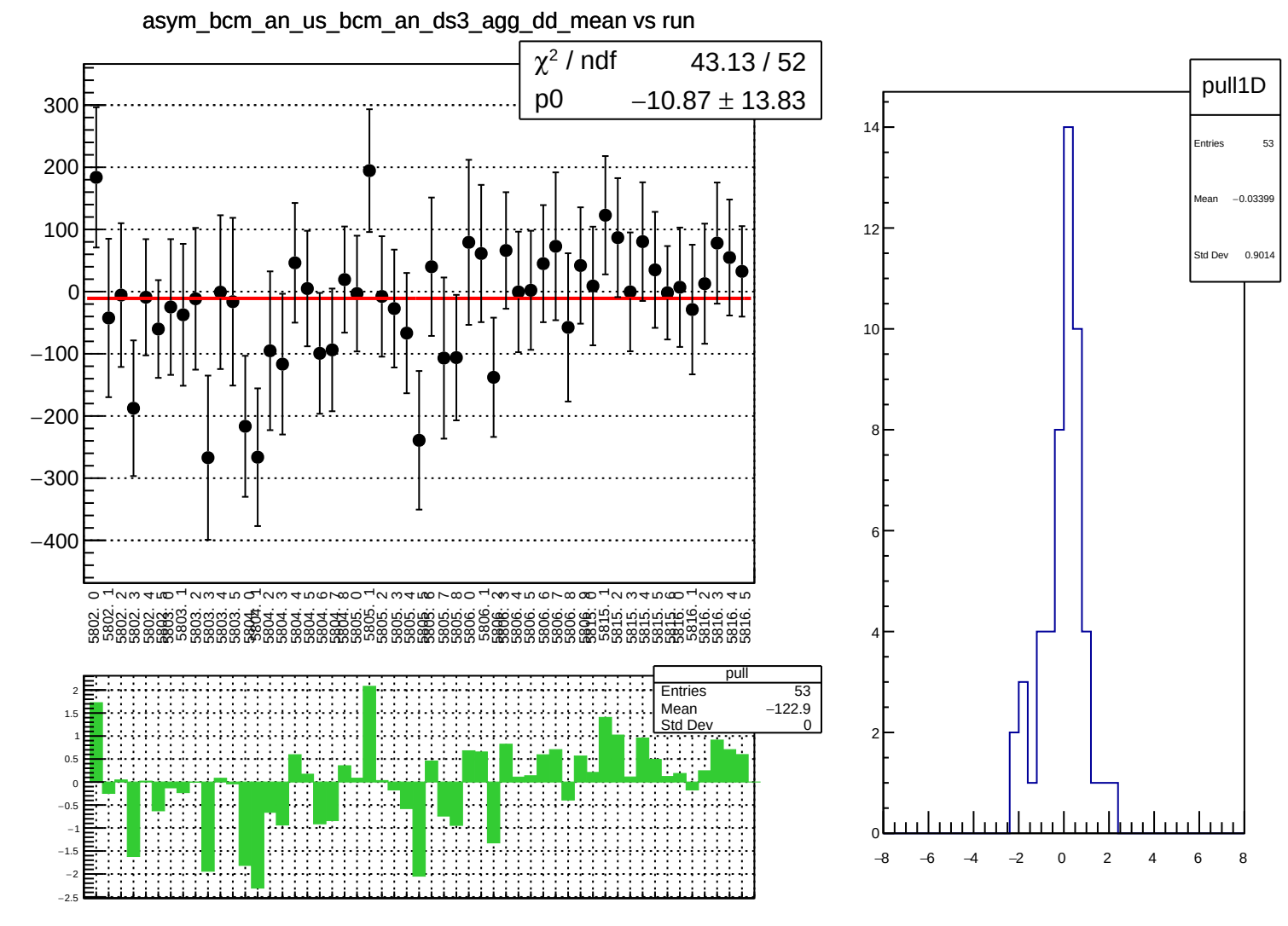

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.74 / 52
p0 −7.925 ± 14.58
pull
Entries 53
Mean −92.27
Std Dev 0

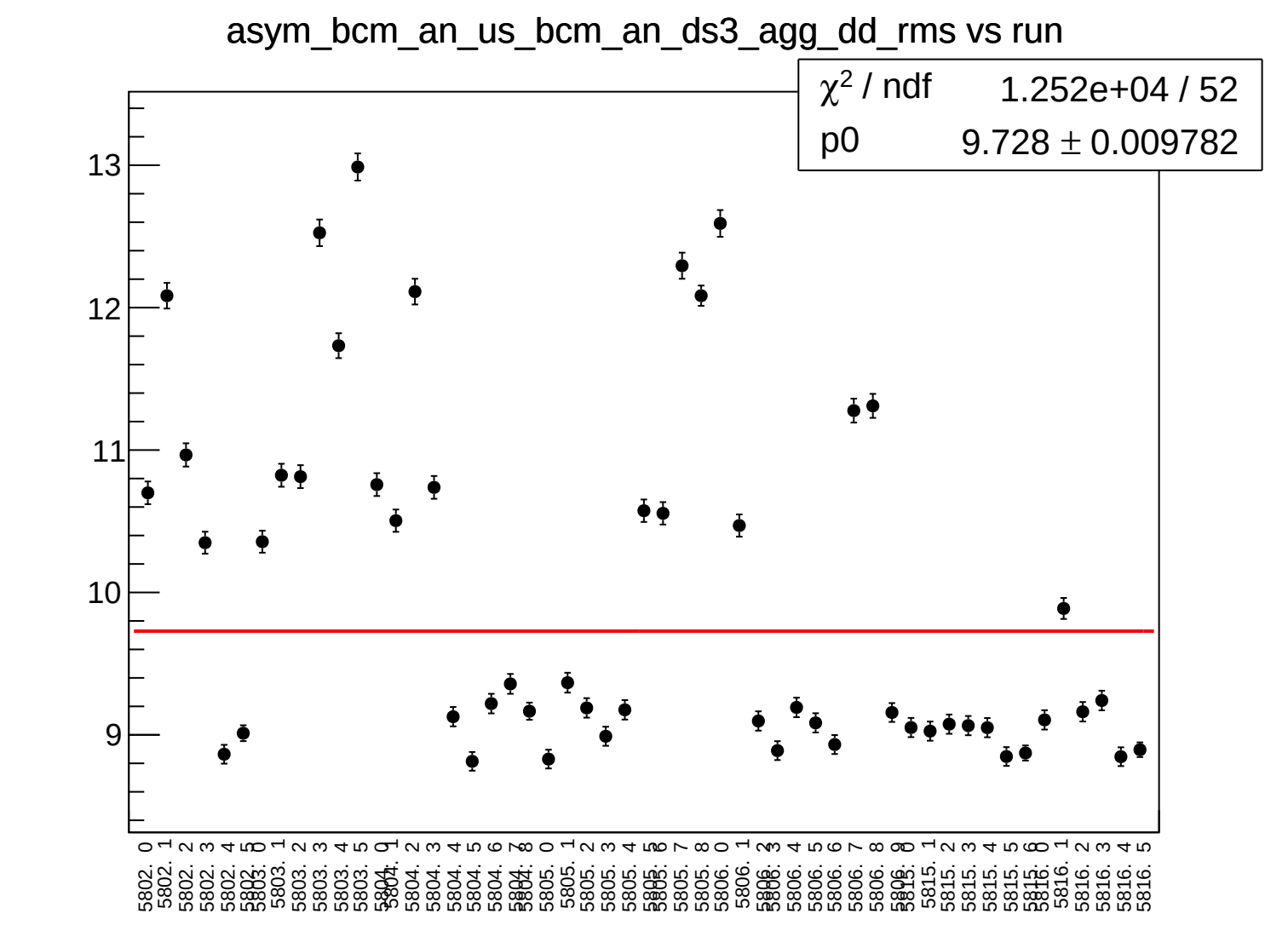

pull1D
Entries 53
Mean −0.03729
Std Dev 0.9384

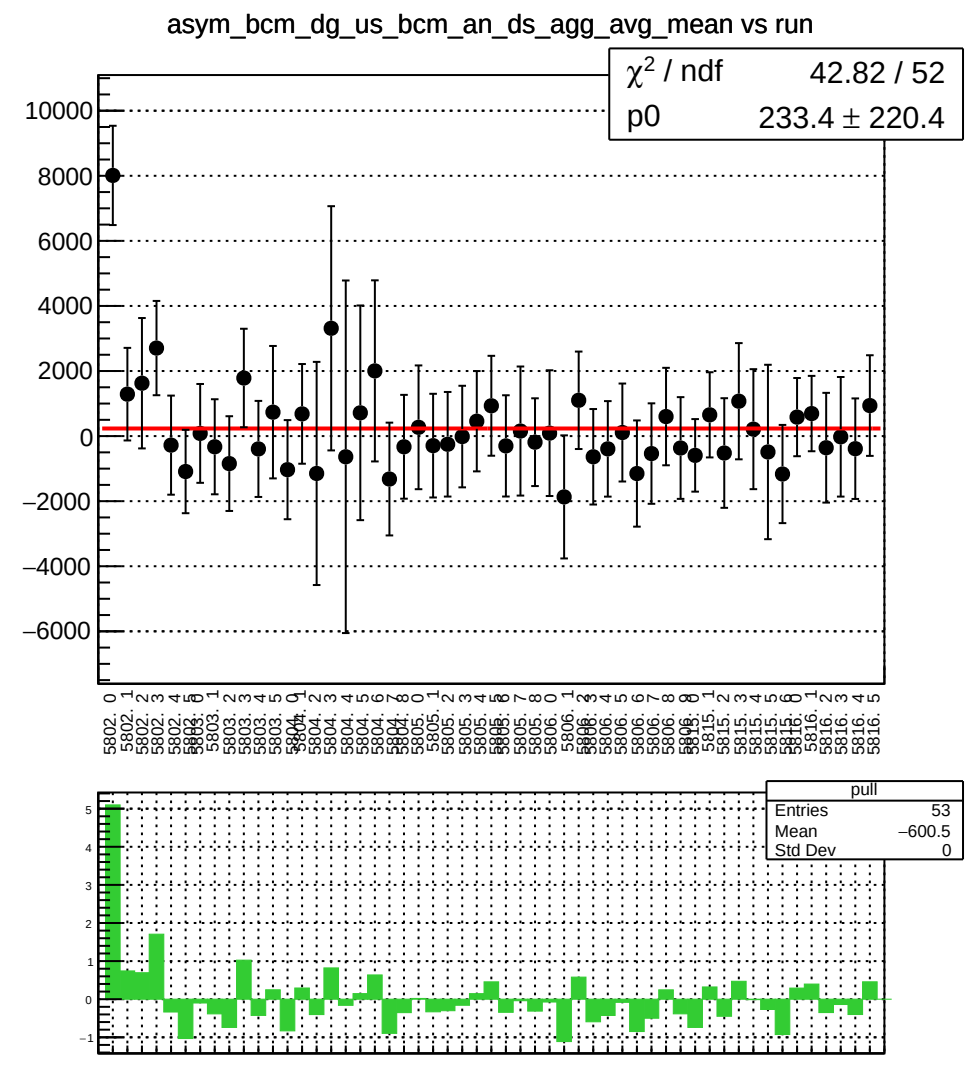

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.076e+04 / 52
p0 10.26 ± 0.01031
13
12
11
10
9

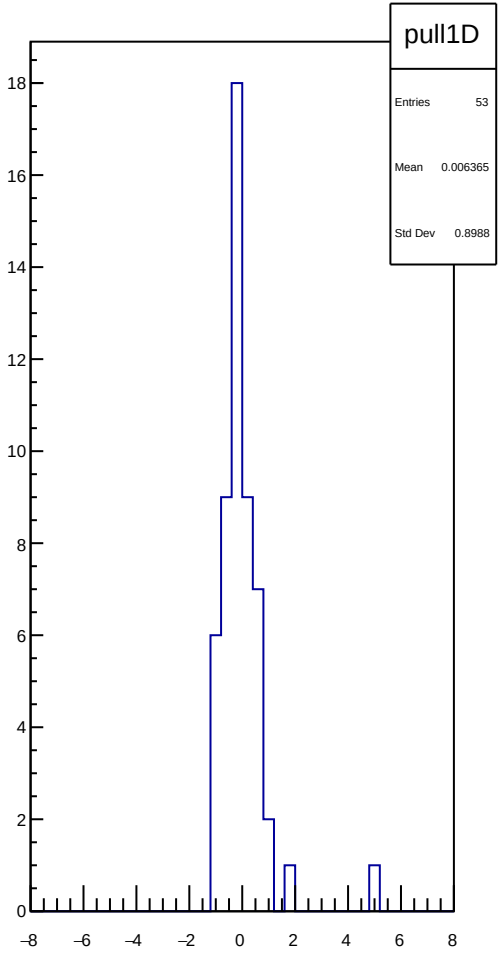

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 43.03 / 52
p0 206.5 ± 218.5
pull
Entries 53
Mean −921.5
Std Dev 0
pull1D
Entries 53
Mean 0.004008
Std Dev 0.9011

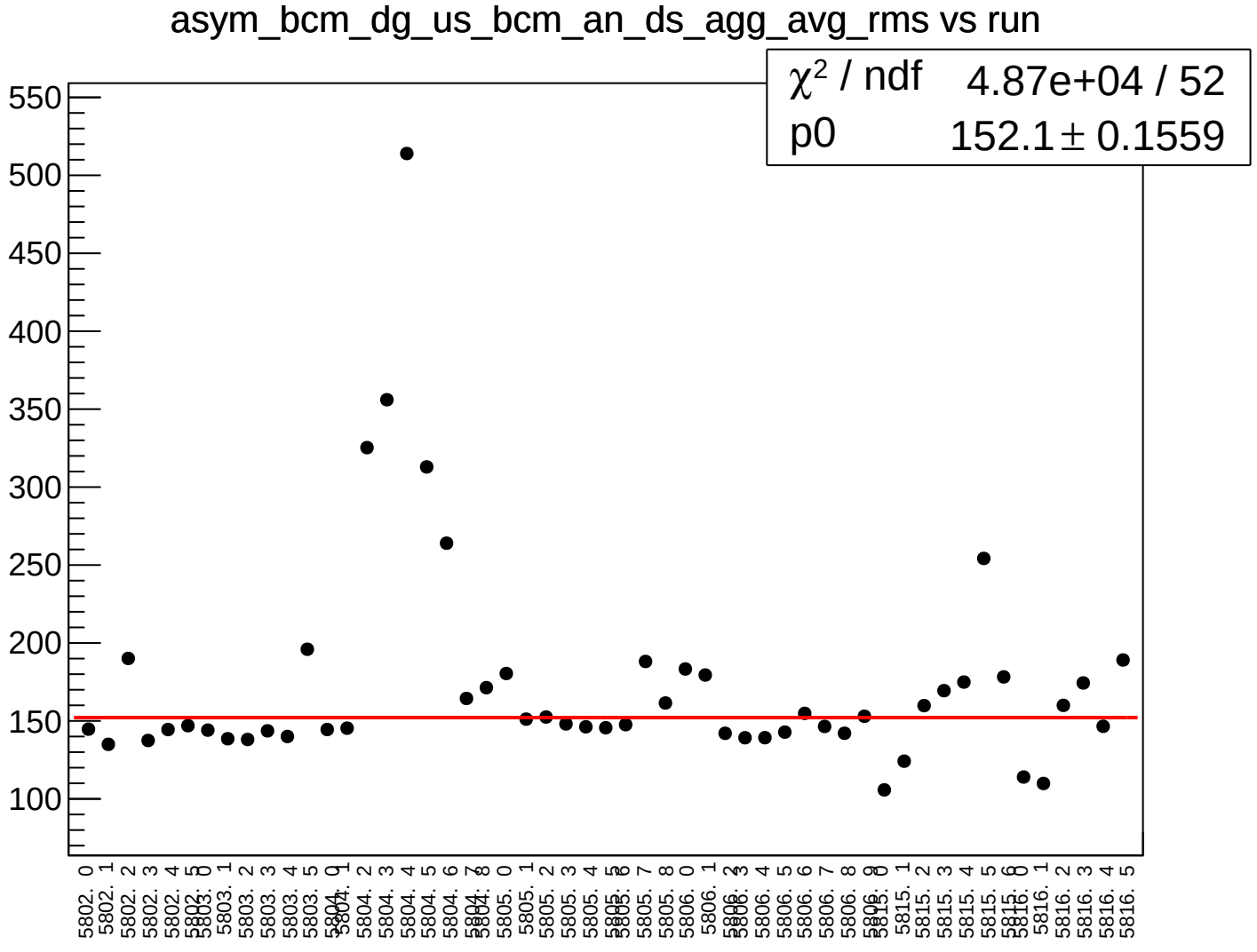

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 4.955e+04 / 52
p0 150.8 ± 0.1545
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

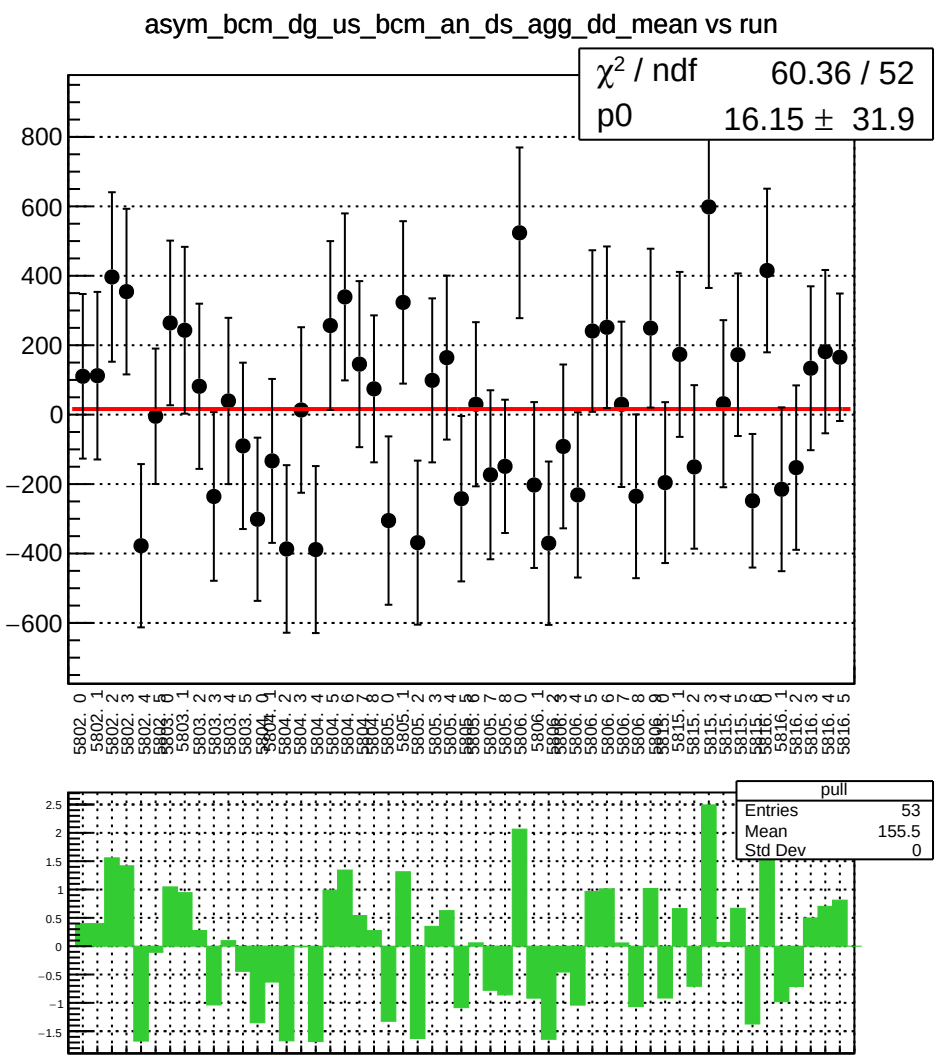

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 43.13 / 52
p0 −10.87 ± 13.83
pull
Entries 53
Mean −122.9
Std Dev 0
pull1D
Entries 53
Mean −0.03399
Std Dev 0.9014

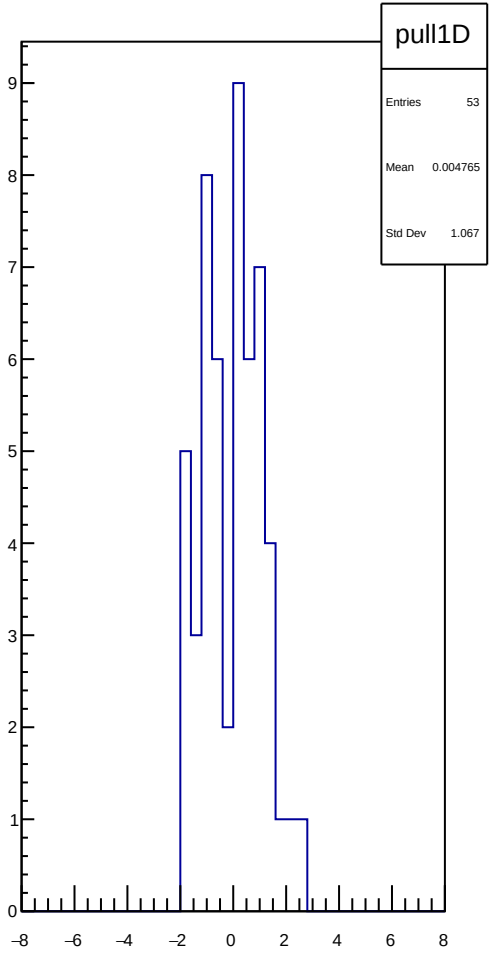

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.252e+04 / 52
p0 9.728 ± 0.009782
13
12
11
10
9

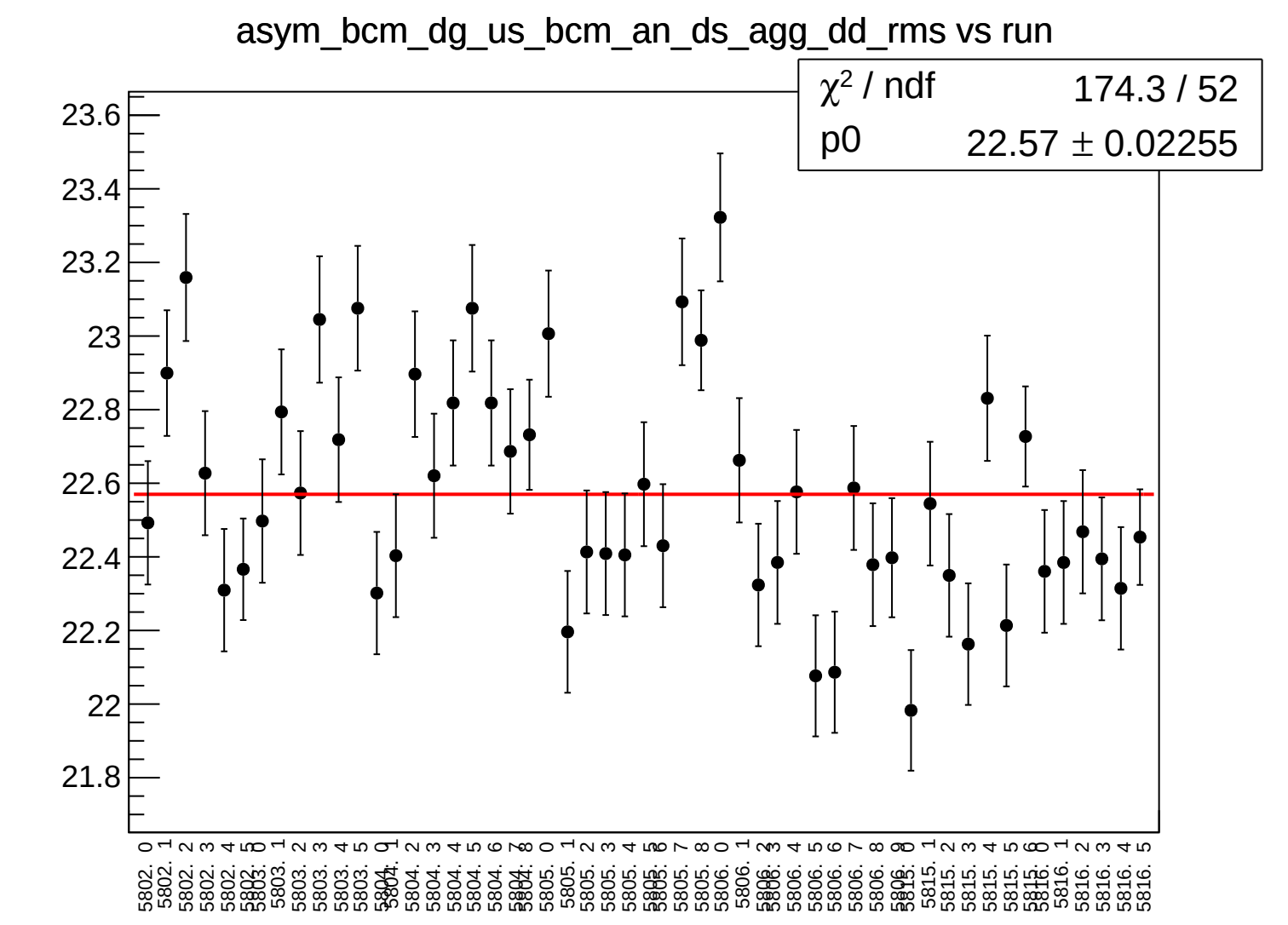

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 42.82 / 52
p0 233.4 ± 220.4
pull
Entries 53
Mean −600.5
Std Dev 0

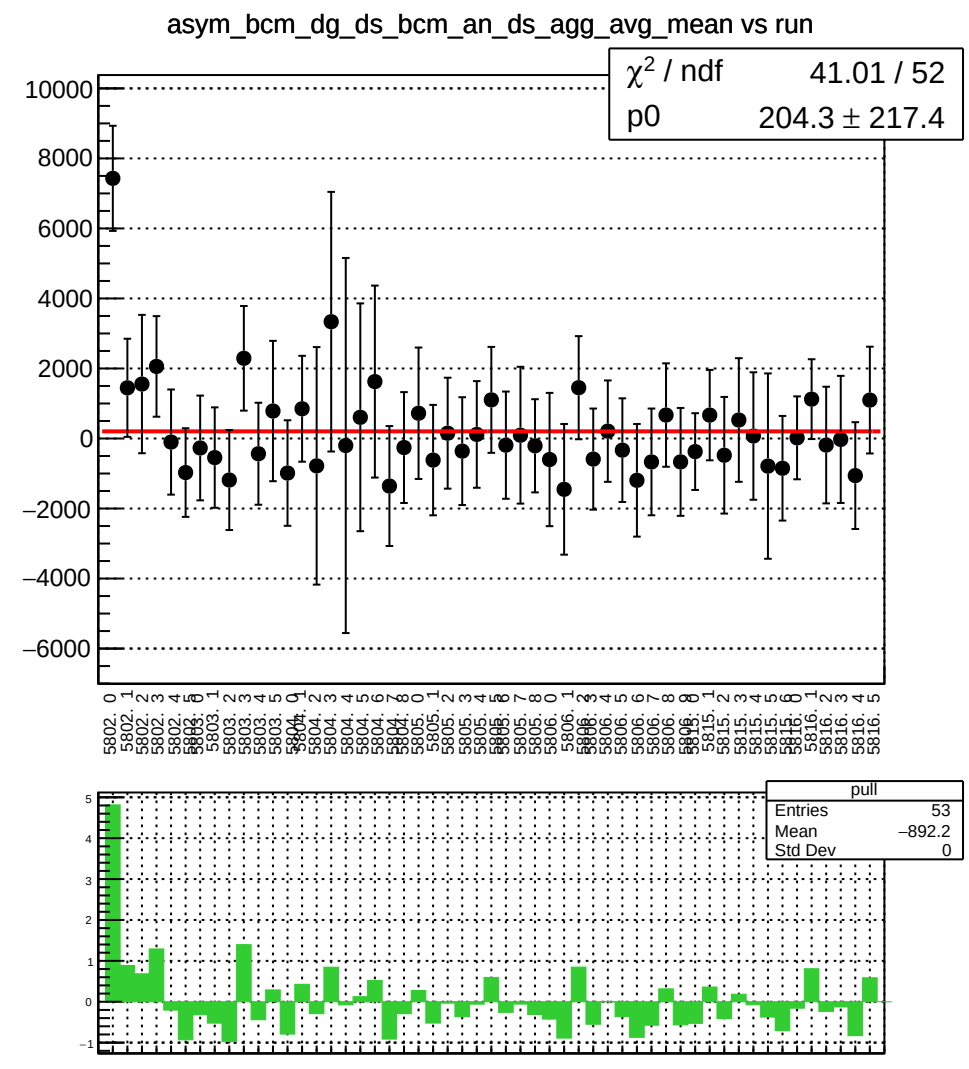

pull1D
Entries 53
Mean 0.006365
Std Dev 0.8988

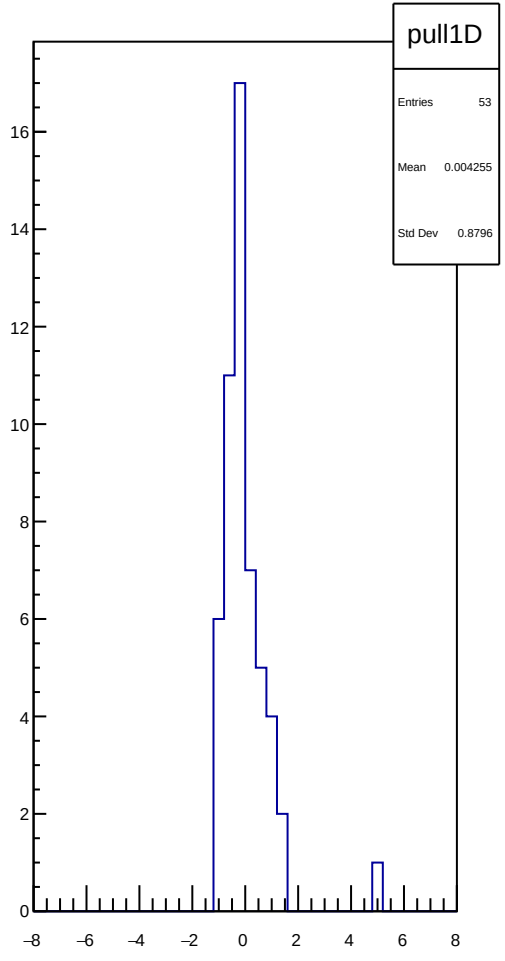

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.87e+04 / 52
p0 152.1 ± 0.1559
550
500
450
400
350
300
250
200
150
100

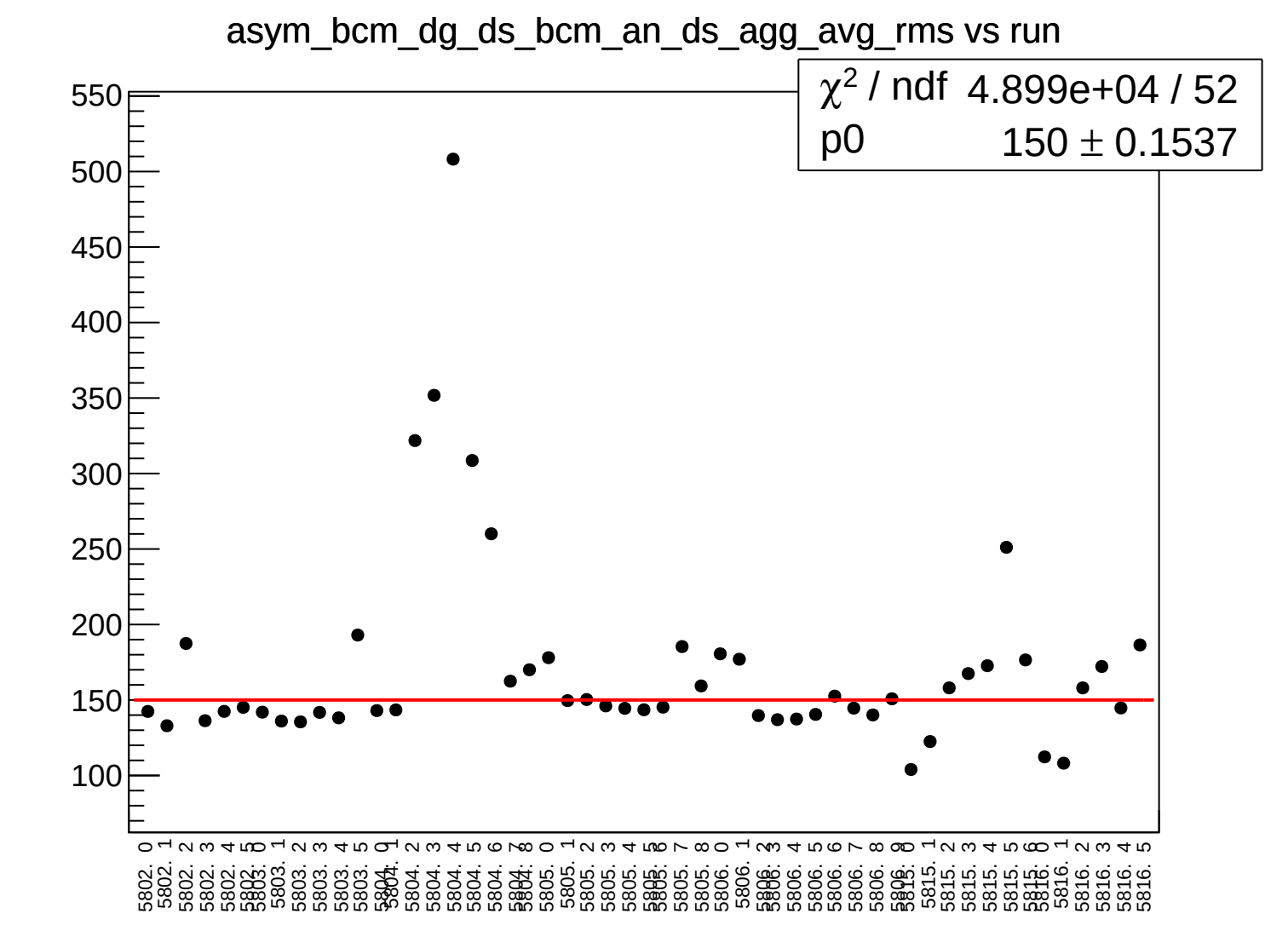

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 60.36 / 52
p0 16.15 ± 31.9
pull
Entries 53
Mean 155.5
Std Dev 0

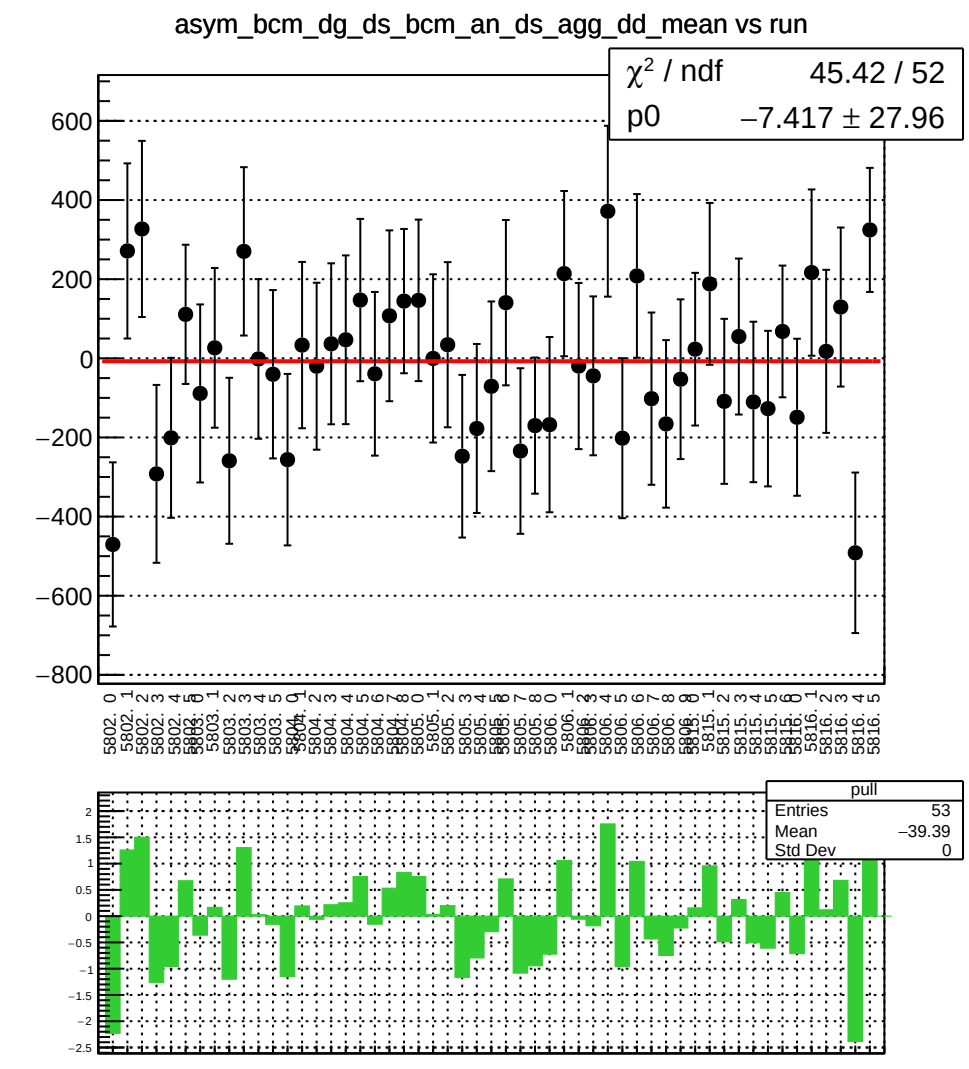

pull1D
Entries 53
Mean 0.004765
Std Dev 1.067

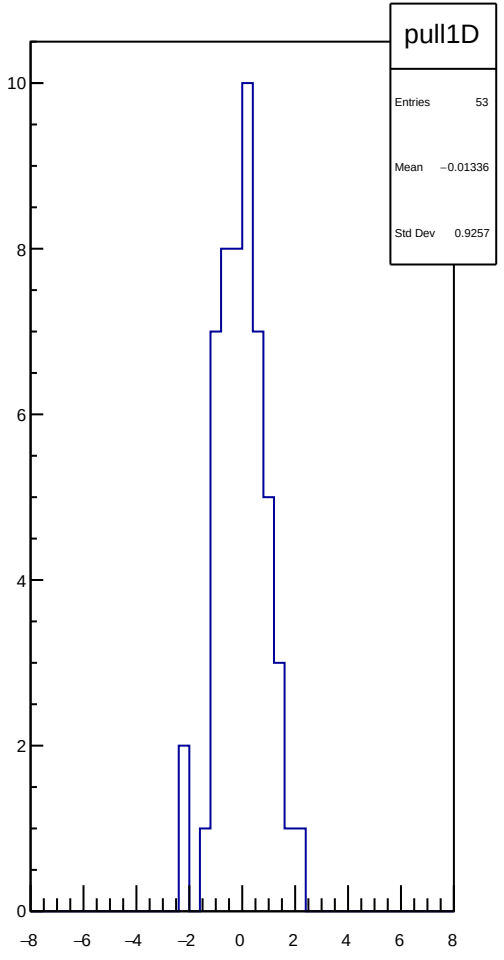

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 174.3 / 52
p0 22.57 ± 0.02255
23.6
23.4
23.2
23
22.8
22.6
22.4
22.2
22
21.8

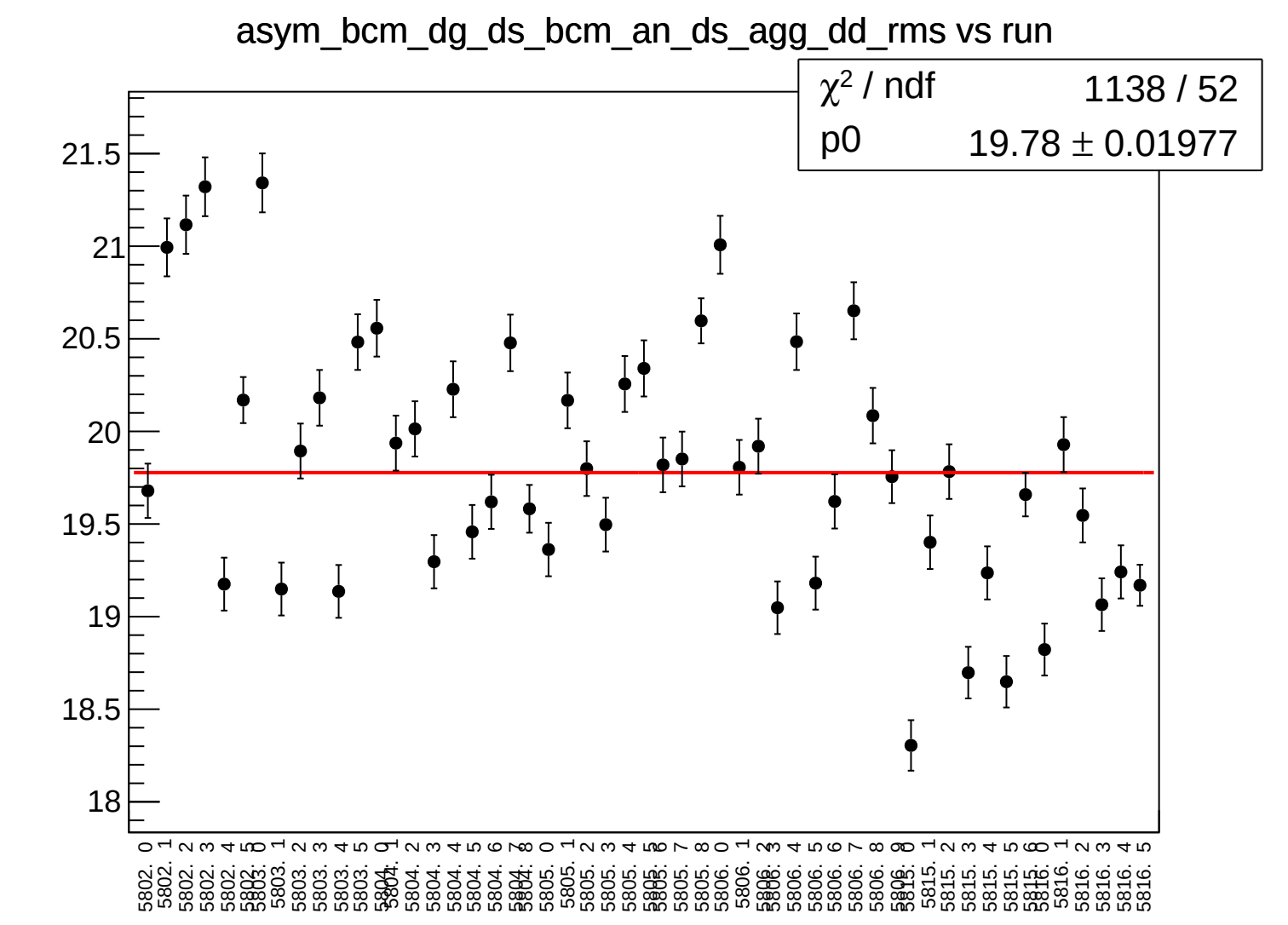

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 41.01 / 52
p0 204.3 ± 217.4
pull
Entries 53
Mean −892.2
Std Dev 0

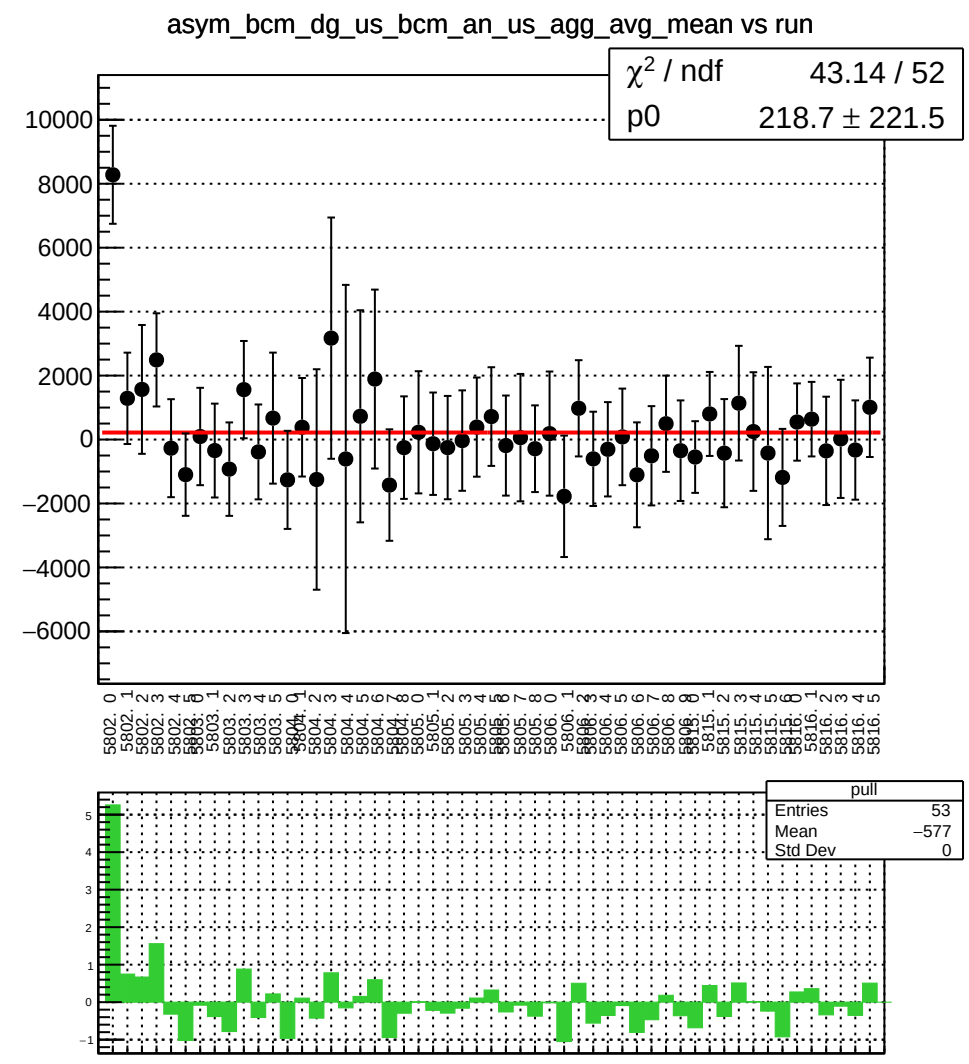

pull1D
Entries 53
Mean 0.004255
Std Dev 0.8796

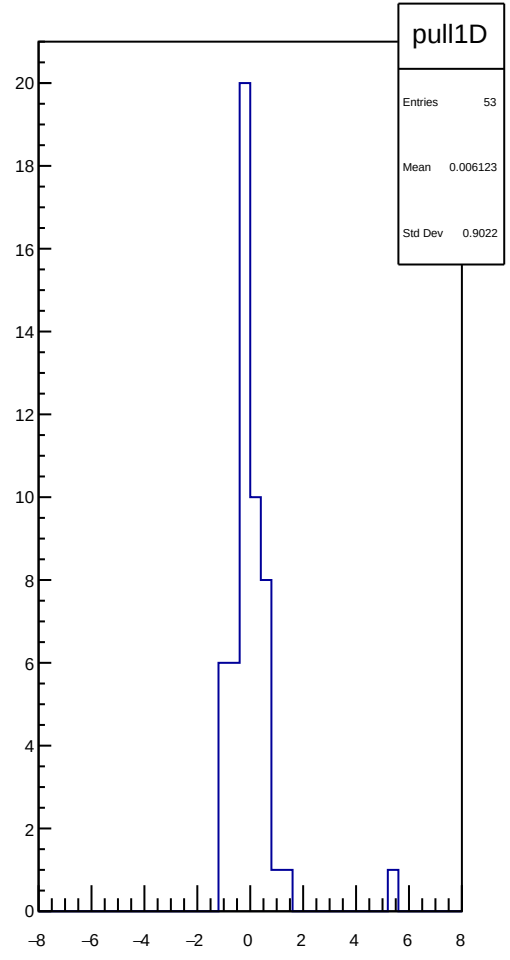

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.899e+04 / 52
p0 150 ± 0.1537
550
500
450
400
350
300
250
200
150
100

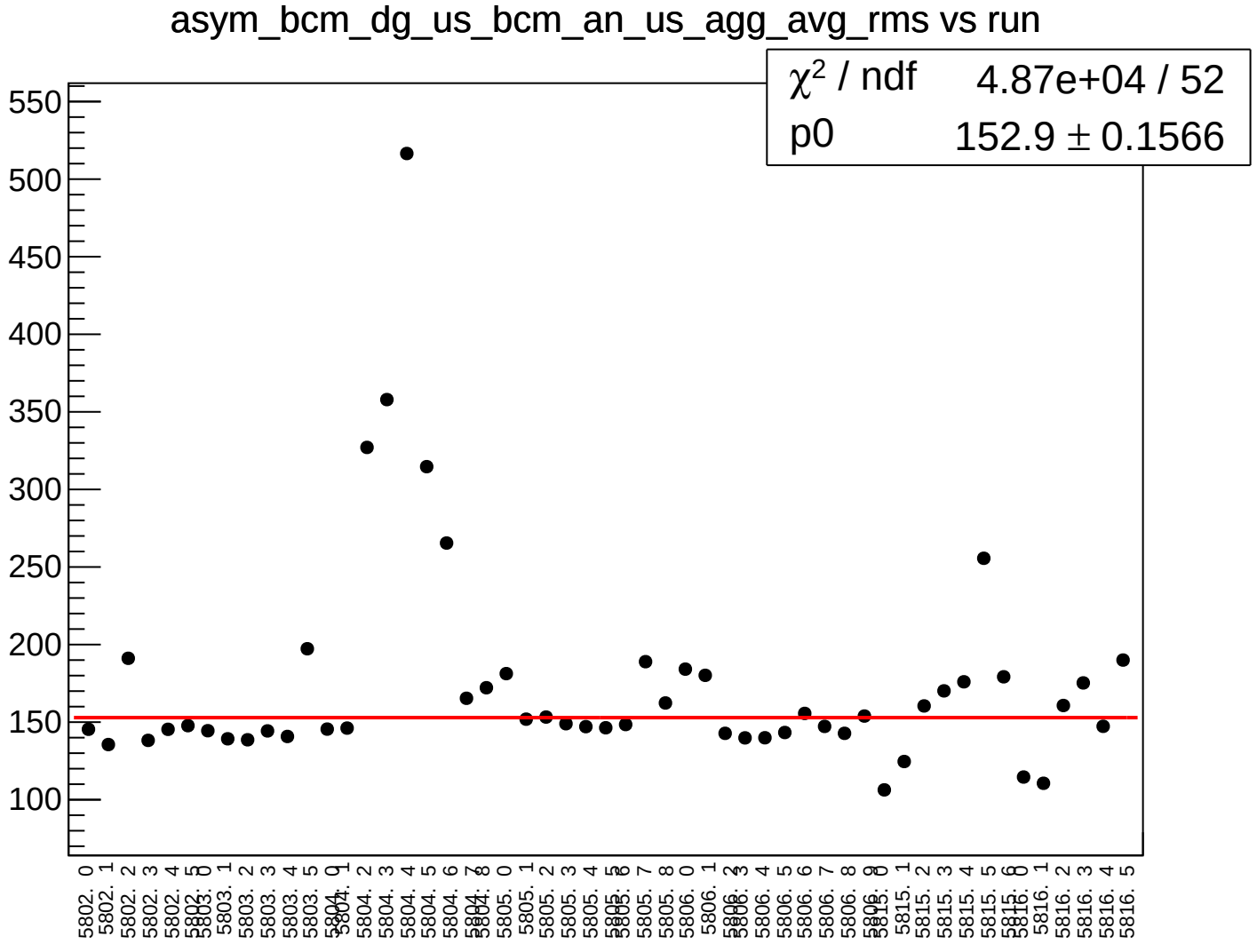

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 45.42 / 52
p0 −7.417 ± 27.96
pull
Entries 53
Mean −39.39
Std Dev 0

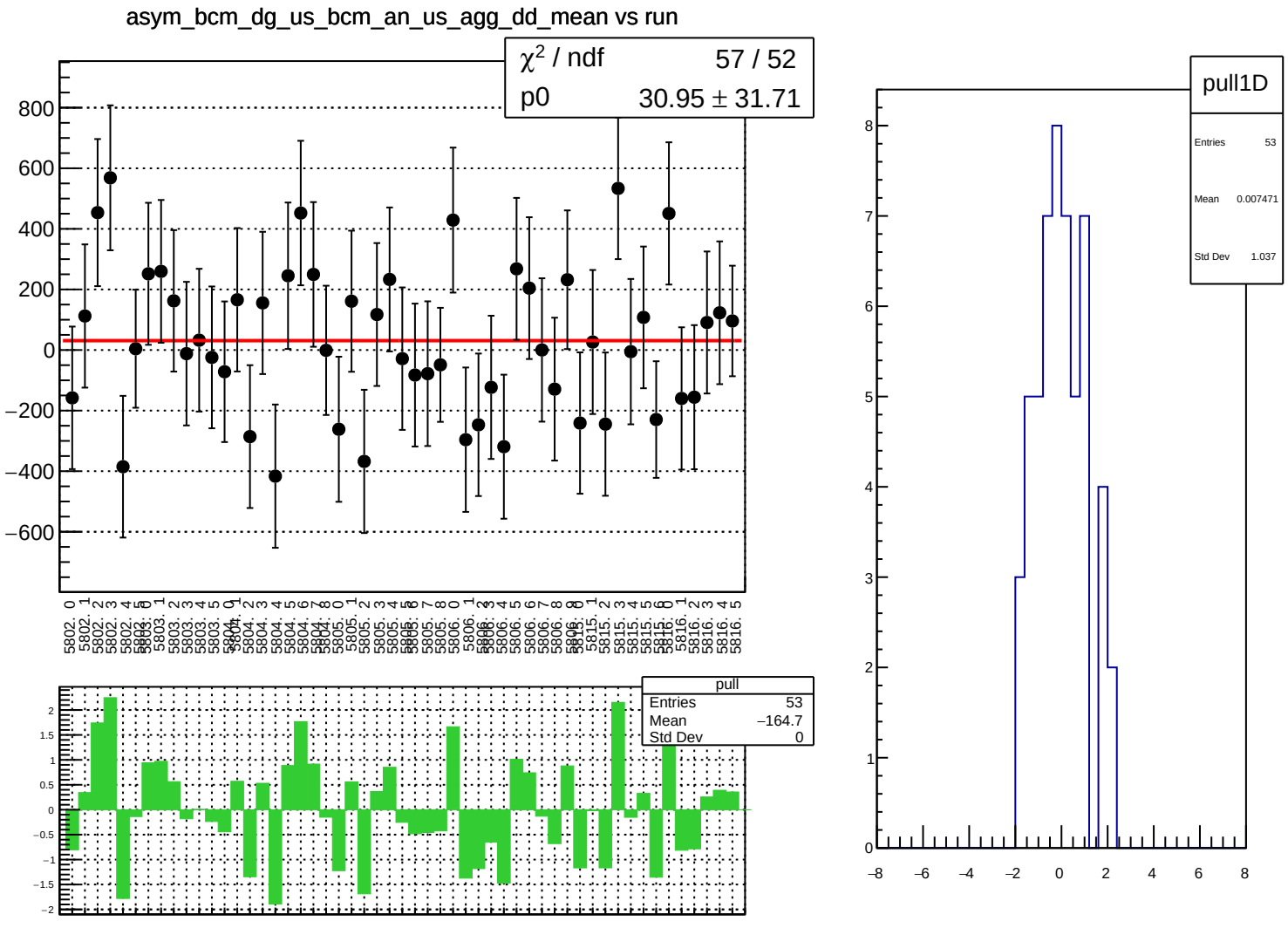

pull1D
Entries 53
Mean −0.01336
Std Dev 0.9257

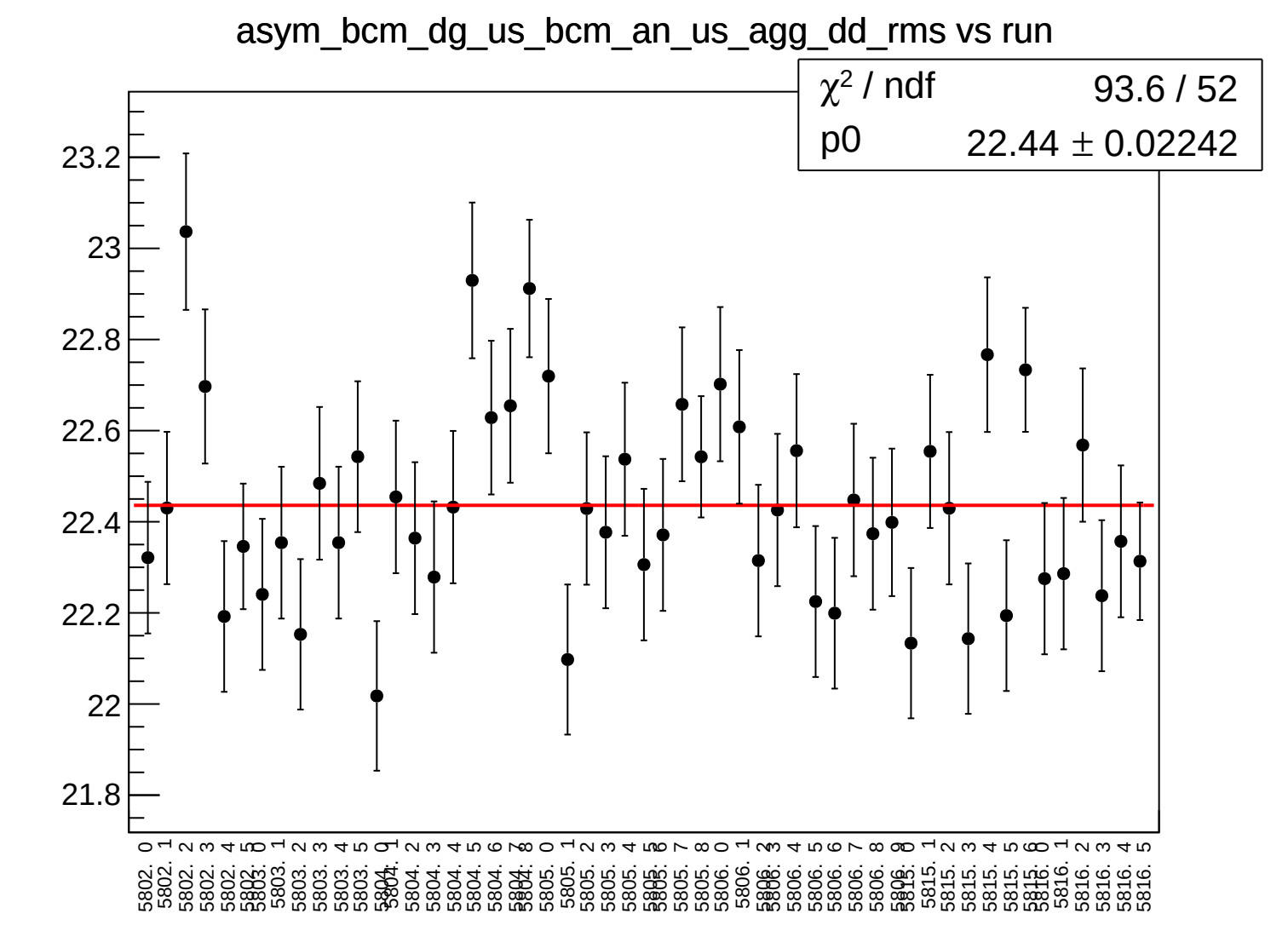

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1138 / 52
p0 19.78 ± 0.01977
21.5
21
20.5
20
19.5
19
18.5
18

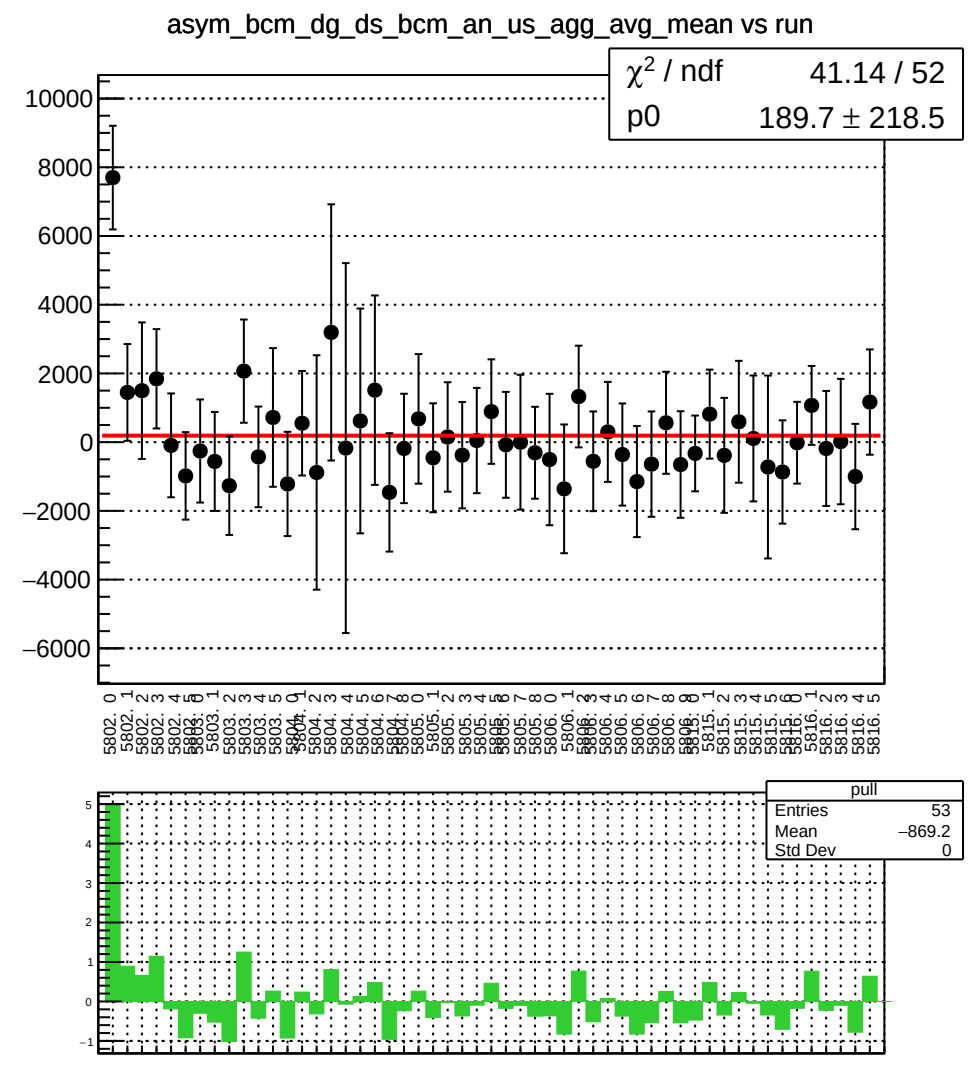

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 43.14 / 52
p0 218.7 ± 221.5
pull
Entries 53
Mean −577
Std Dev 0

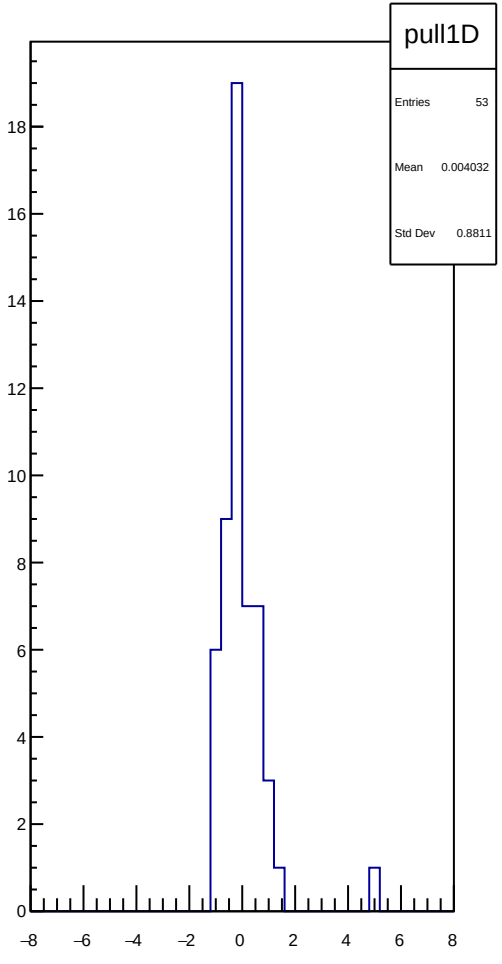

pull1D
Entries 53
Mean 0.006123
Std Dev 0.9022

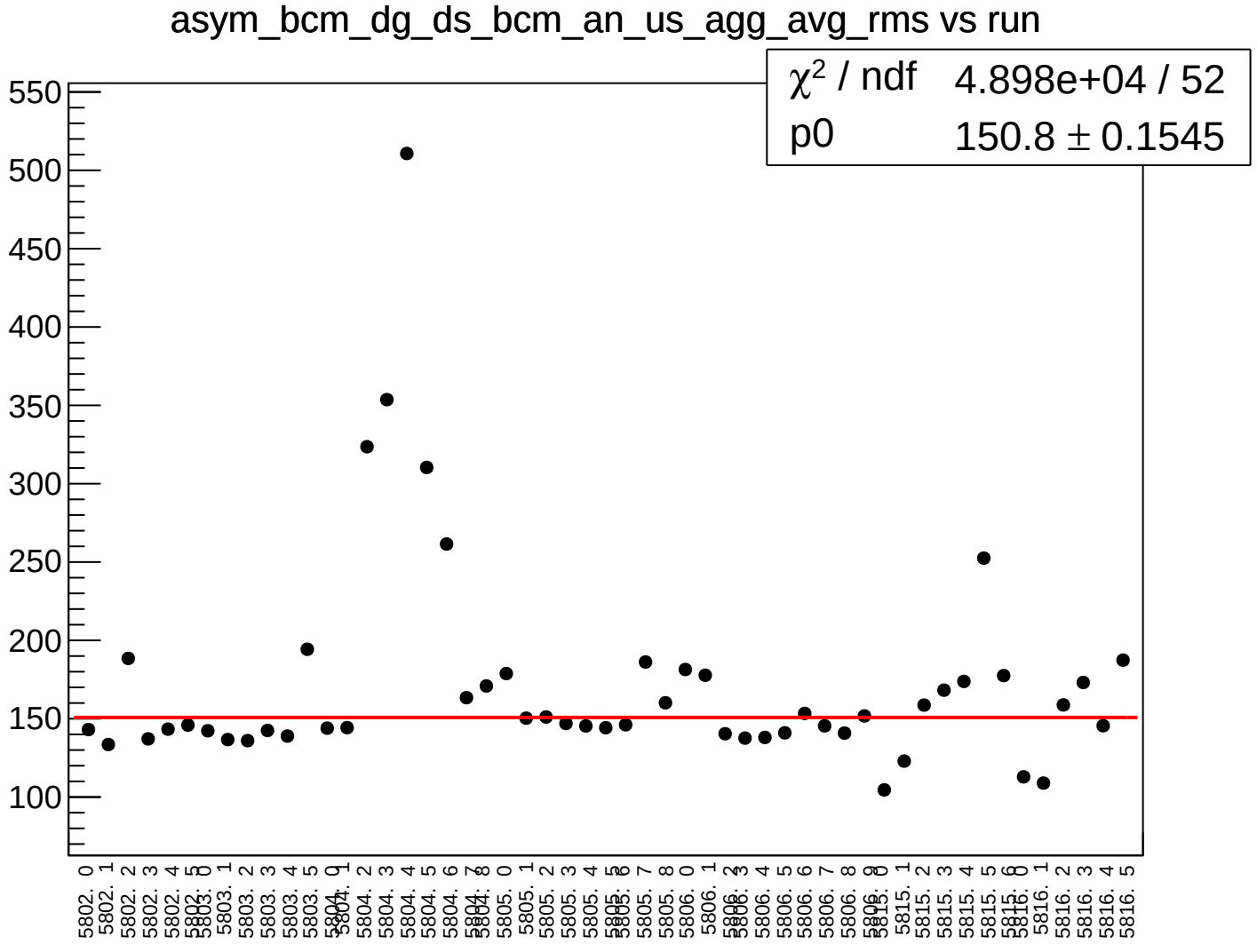

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.87e+04 / 52
p0 152.9 ± 0.1566
550
500
450
400
350
300
250
200
150
100

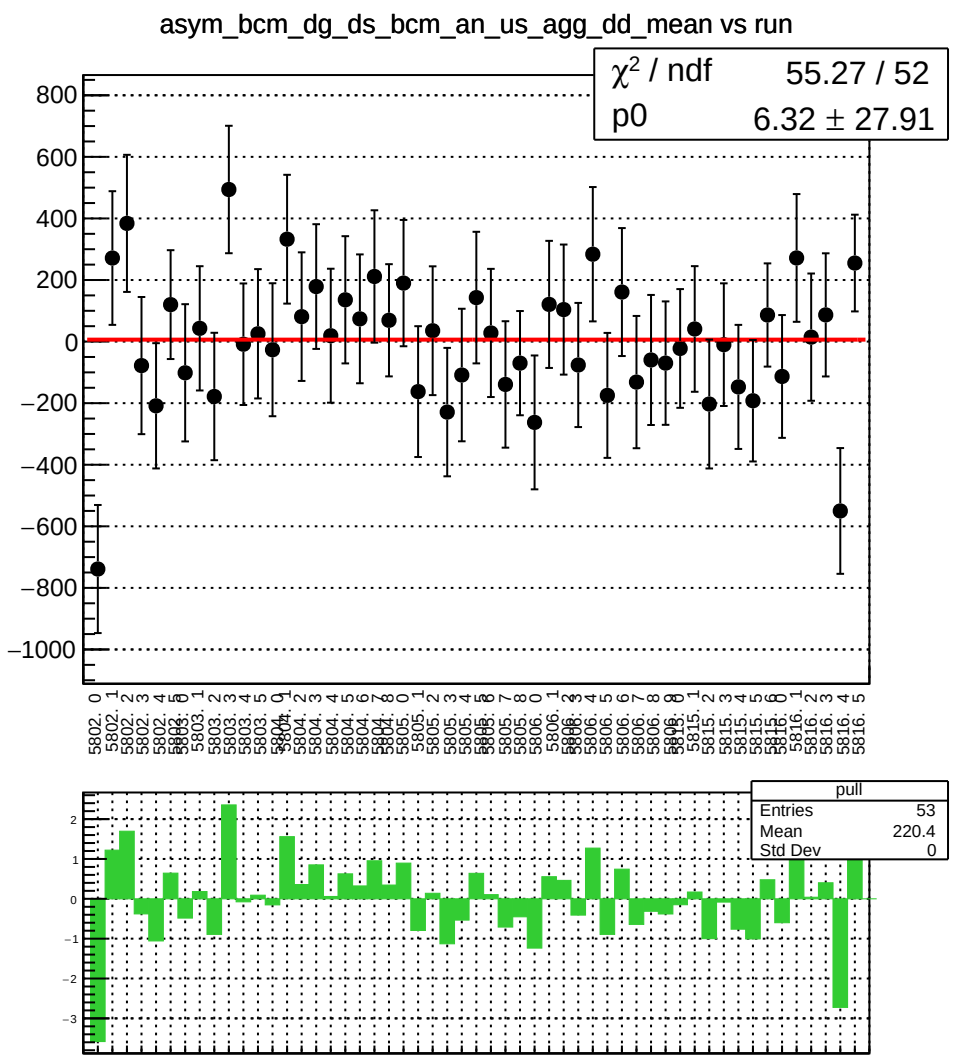

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 57 / 52
p0 30.95 ± 31.71
pull
Entries 53
Mean −164.7
Std Dev 0
pull1D
Entries 53
Mean 0.007471
Std Dev 1.037

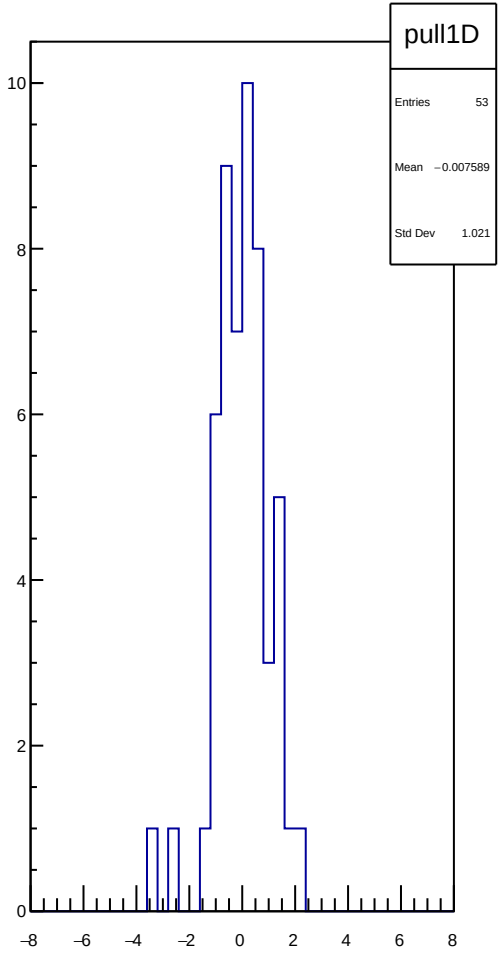

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 93.6 / 52
p0 22.44 ± 0.02242
23.2
23
22.8
22.6
22.4
22.2
22
21.8

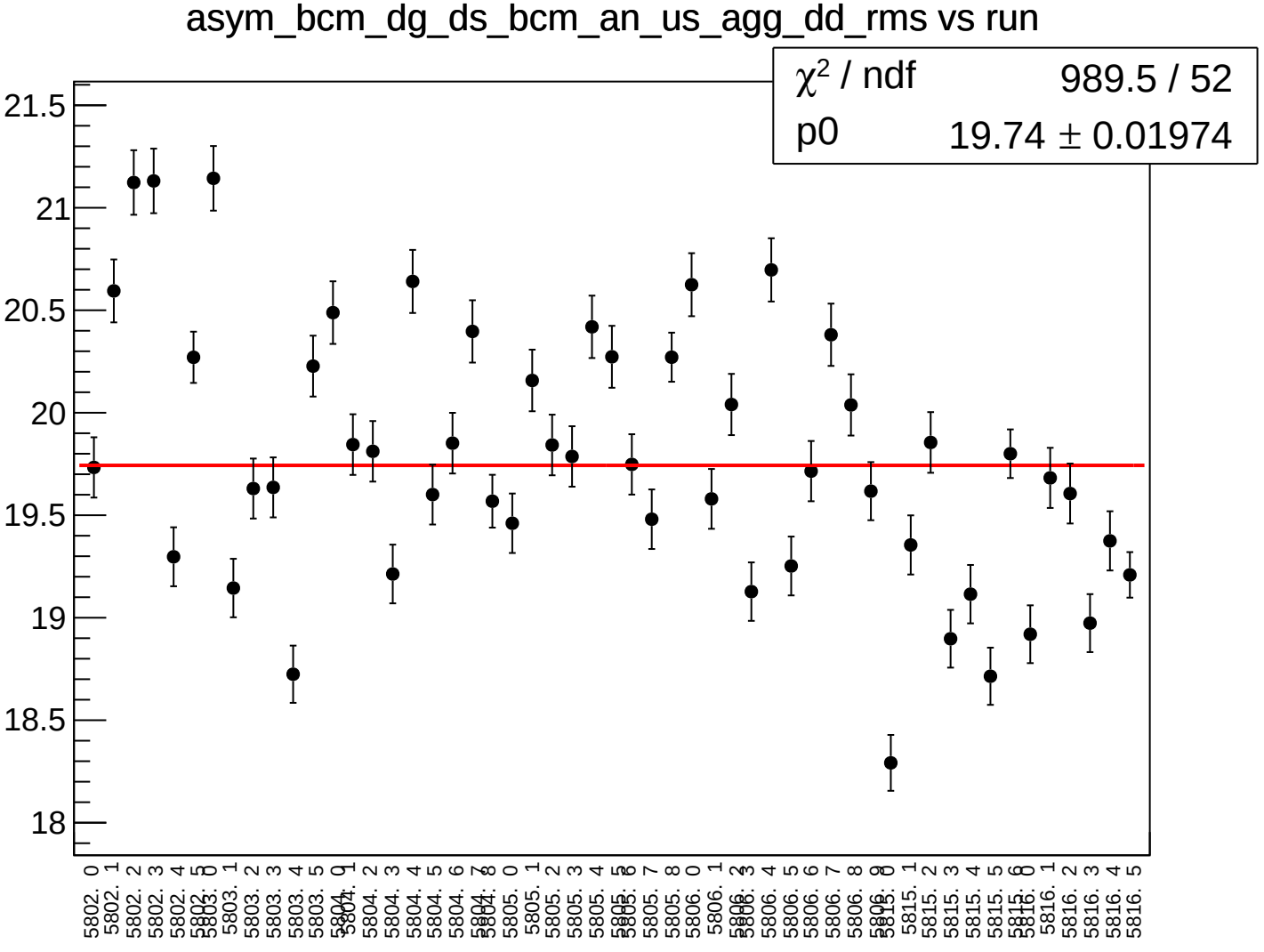

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 41.14 / 52
p0 189.7 ± 218.5
pull
Entries 53
Mean −869.2
Std Dev 0

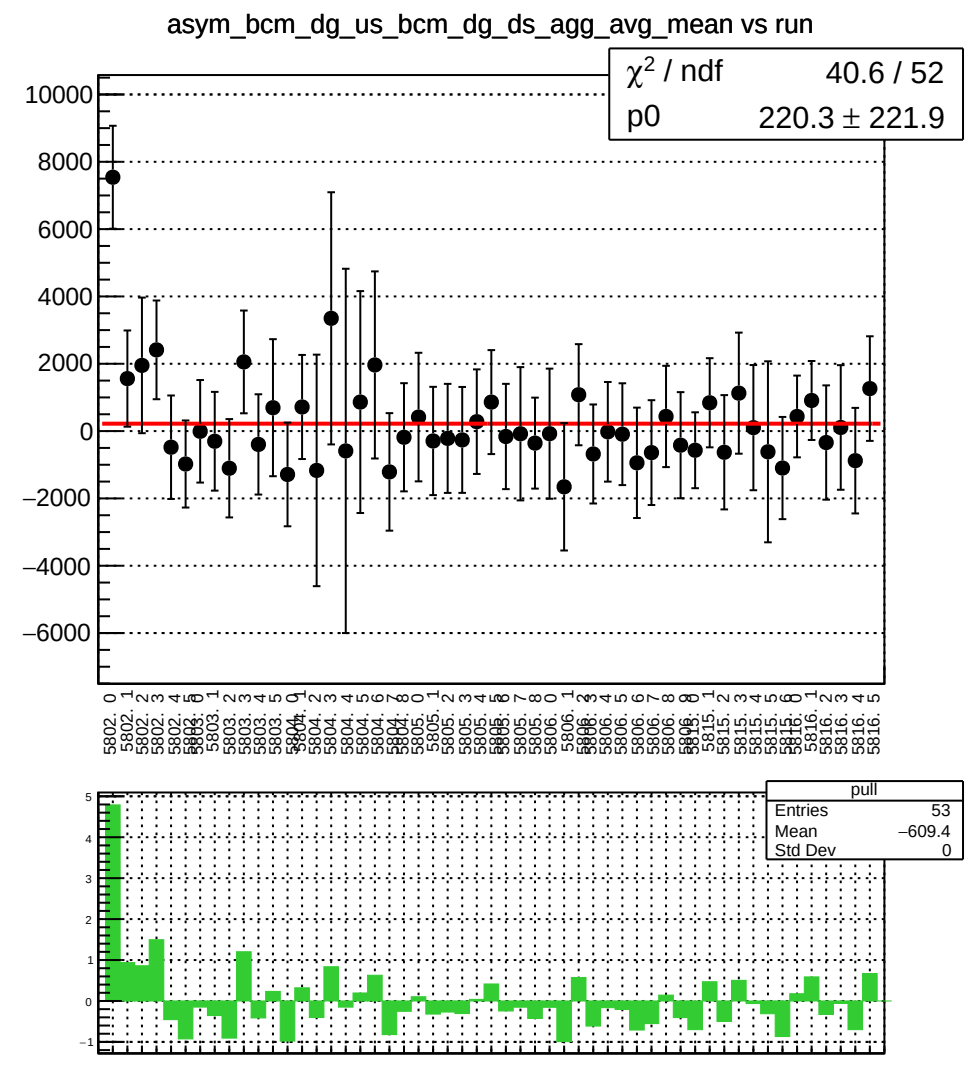

pull1D
Entries 53
Mean 0.004032
Std Dev 0.8811

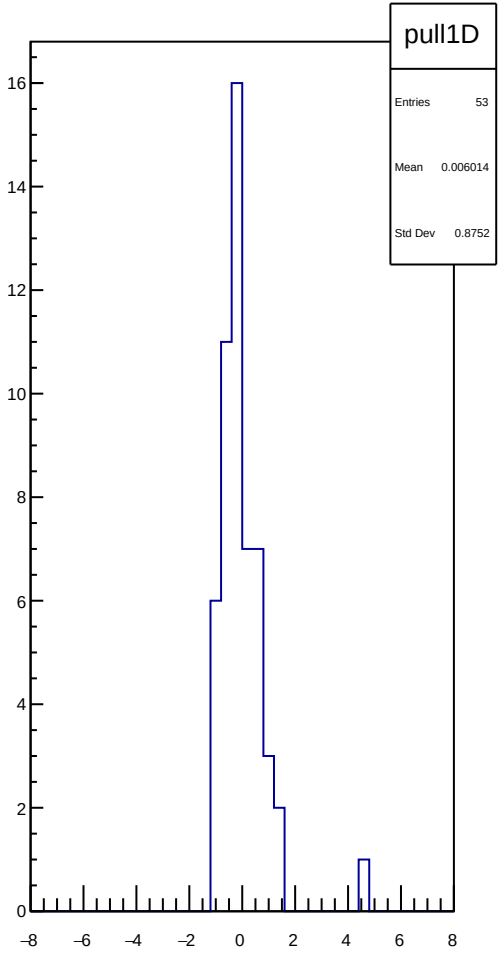

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.898e+04 / 52
p0 150.8 ± 0.1545
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

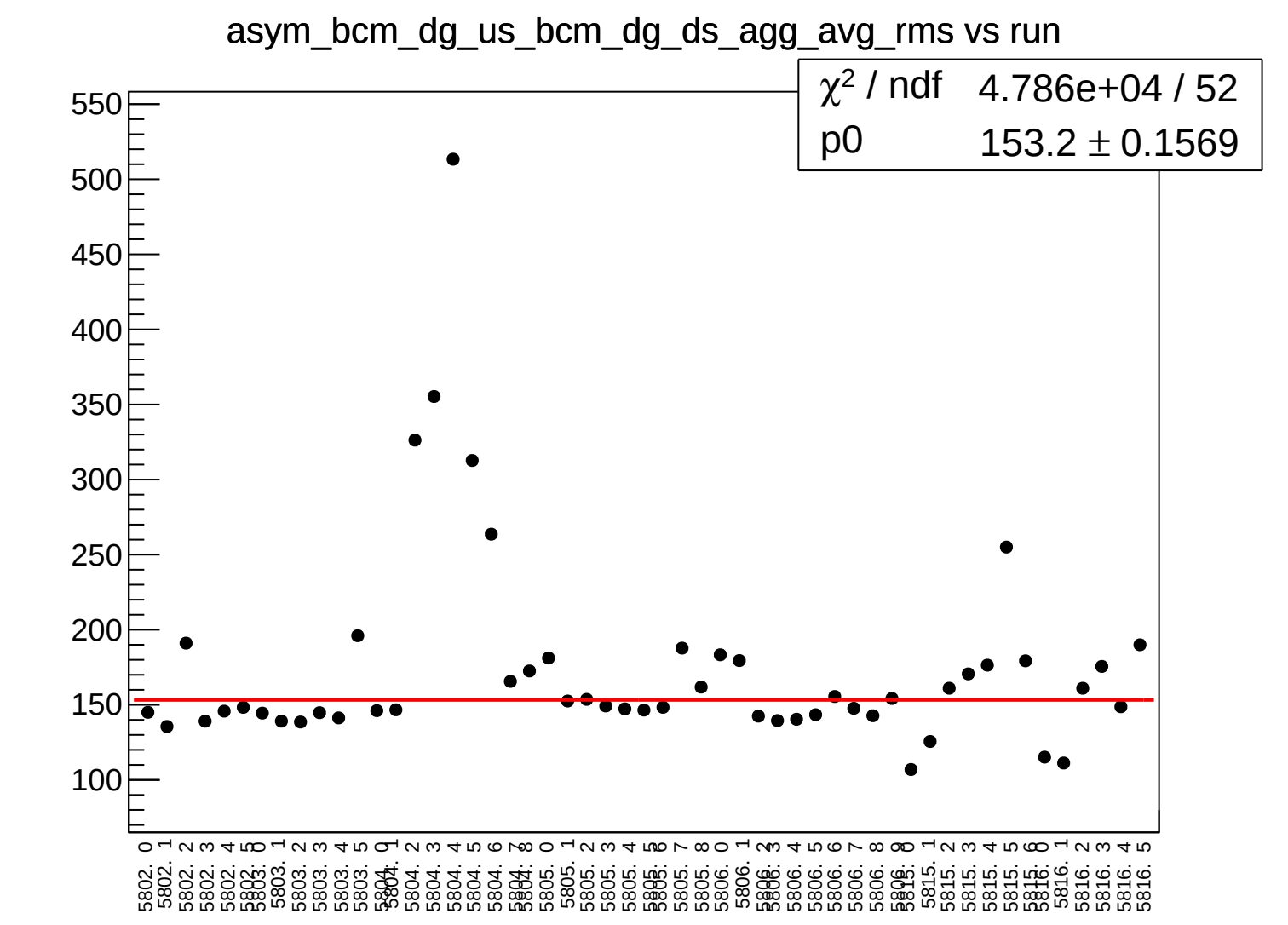

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.27 / 52
p0 6.32 ± 27.91
pull
Entries 53
Mean 220.4
Std Dev 0

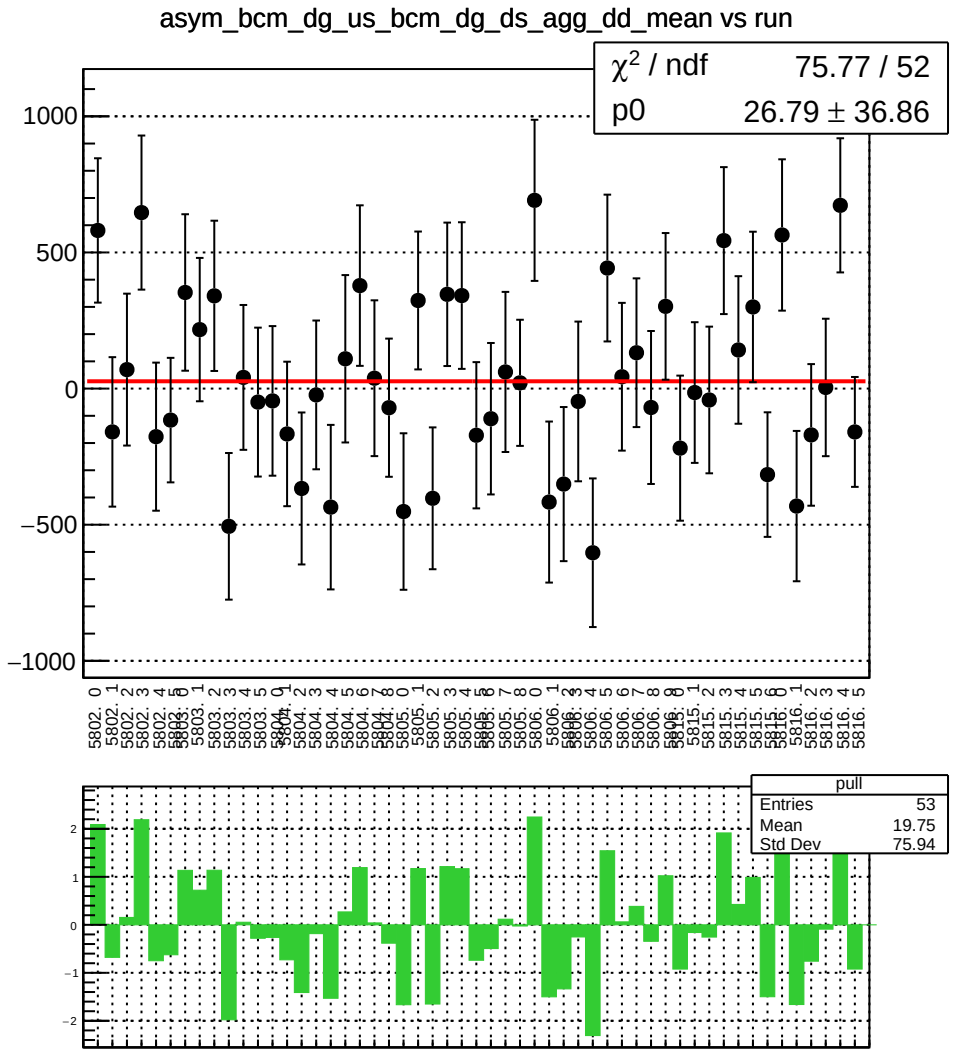

pull1D
Entries 53
Mean −0.007589
Std Dev 1.021

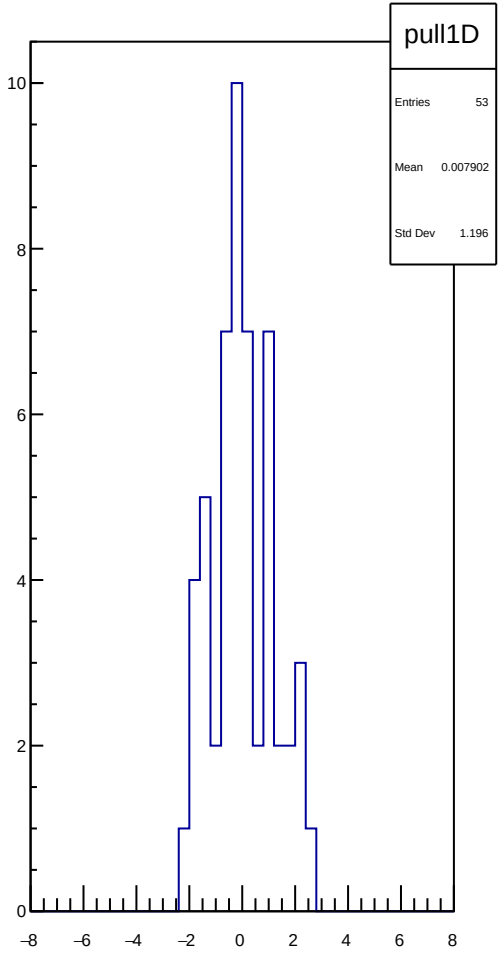

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 989.5 / 52
p0 19.74 ± 0.01974
21.5
21
20.5
20
19.5
19
18.5
18

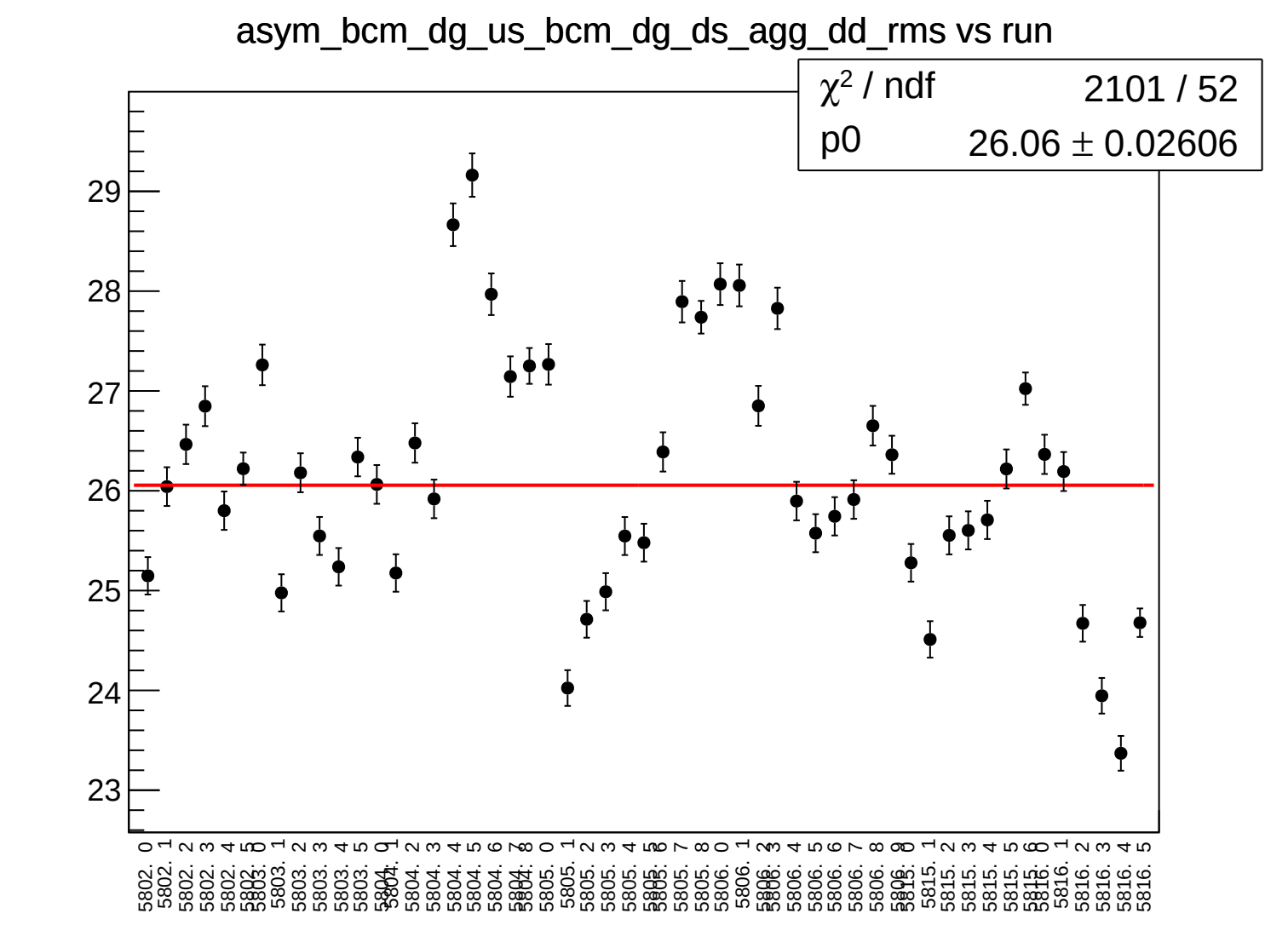

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 40.6 / 52
p0 220.3 ± 221.9
pull
Entries 53
Mean −609.4
Std Dev 0

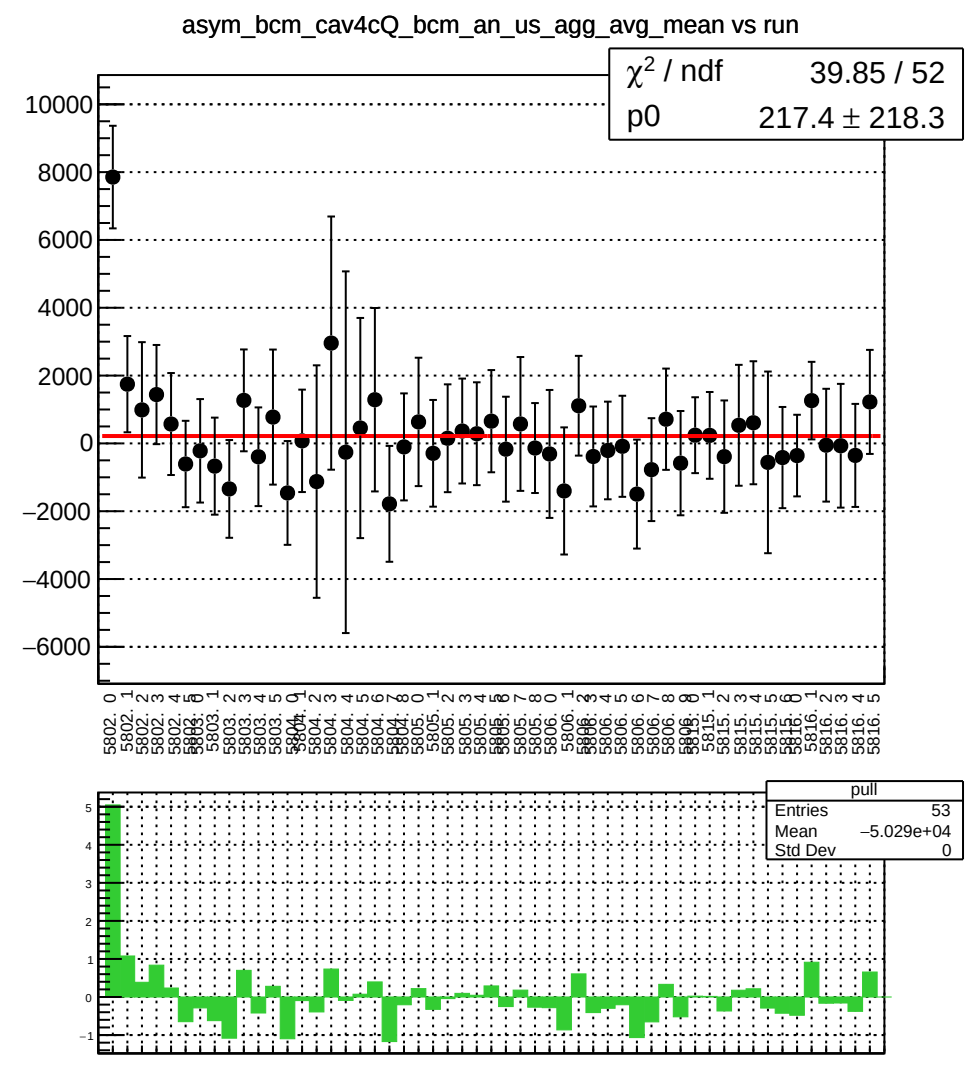

pull1D
Entries 53
Mean 0.006014
Std Dev 0.8752

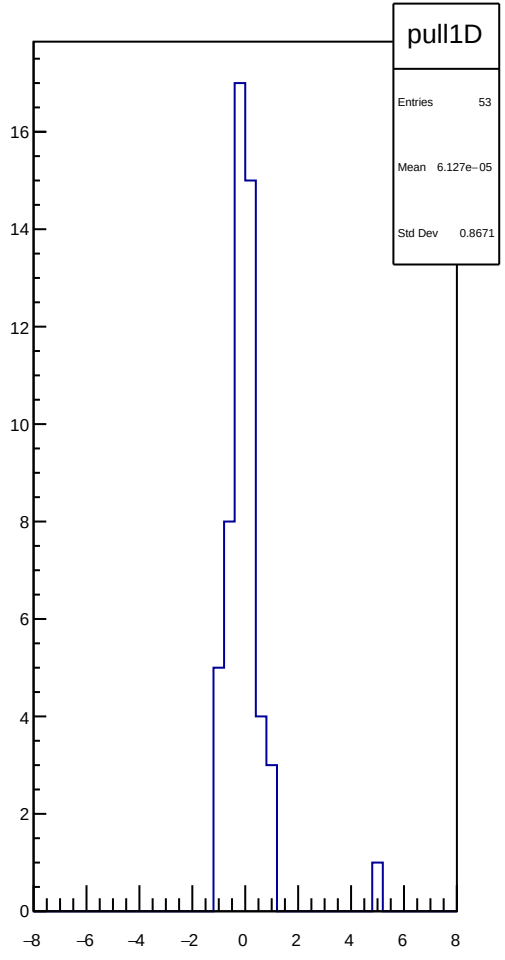

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4.786e+04 / 52
p0 153.2 ± 0.1569
550
500
450
400
350
300
250
200
150
100

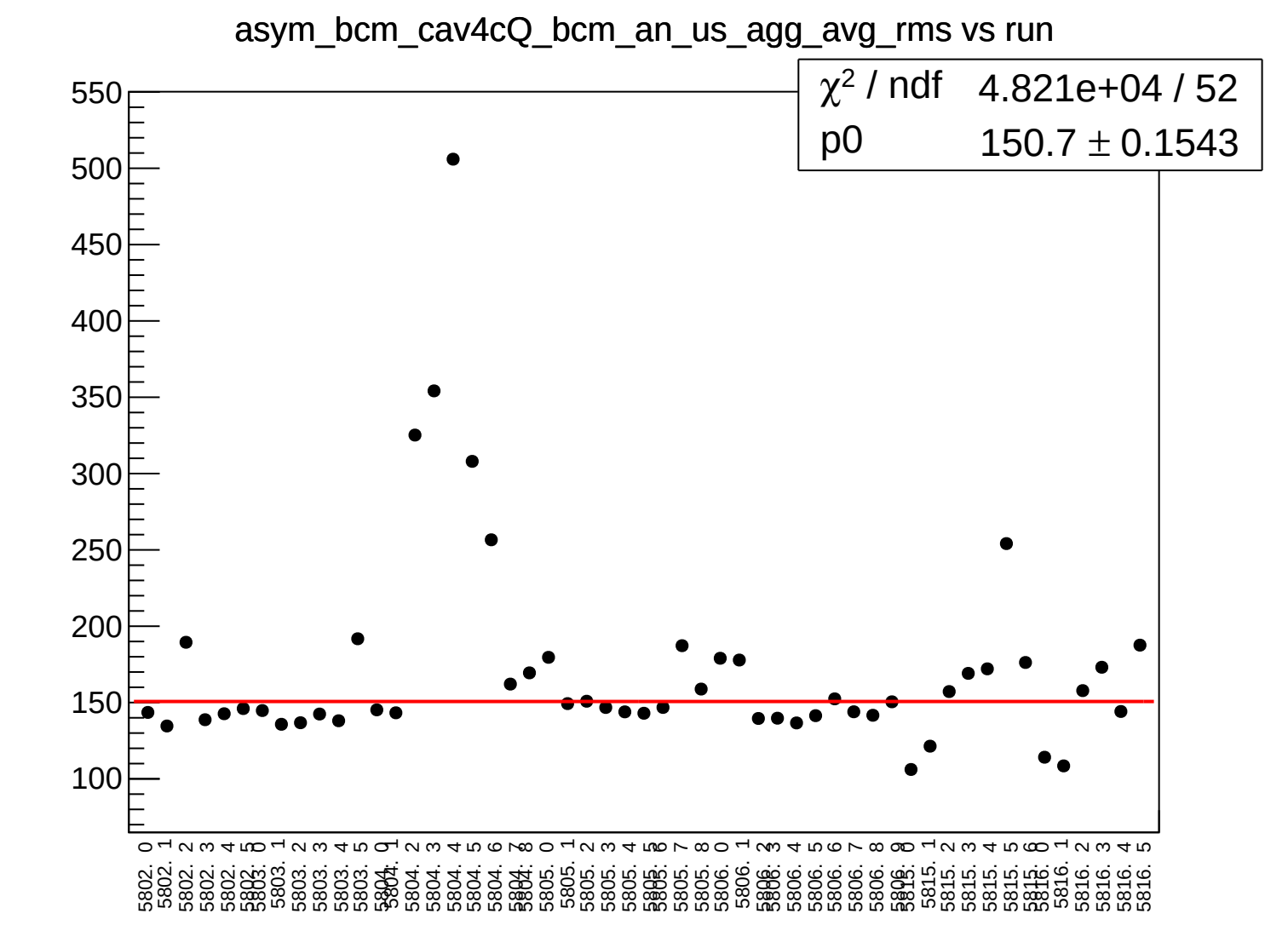

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 75.77 / 52
p0 26.79 ± 36.86
1000
500
0
−500
−1000
pull
Entries 53
Mean 19.75
Std Dev 75.94
2
1
0
−1
−2

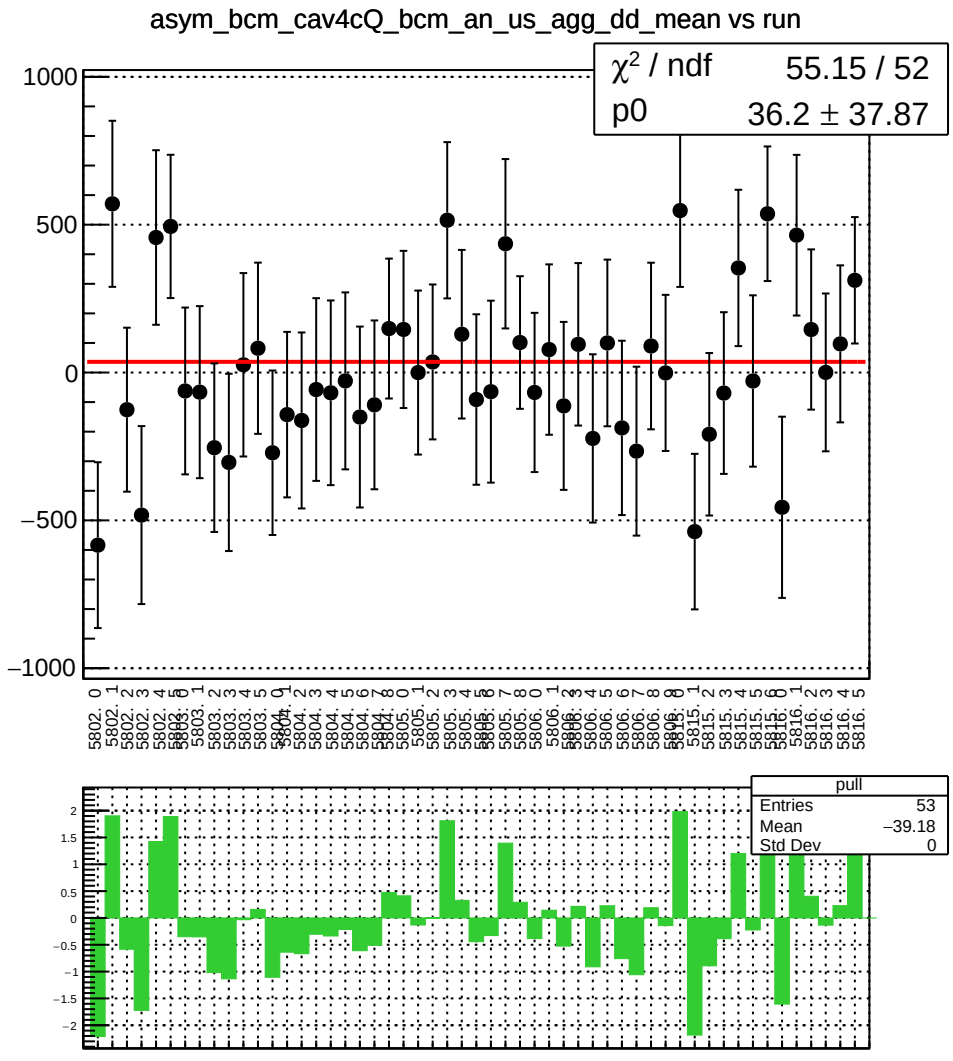

pull1D
Entries 53
Mean 0.007902
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

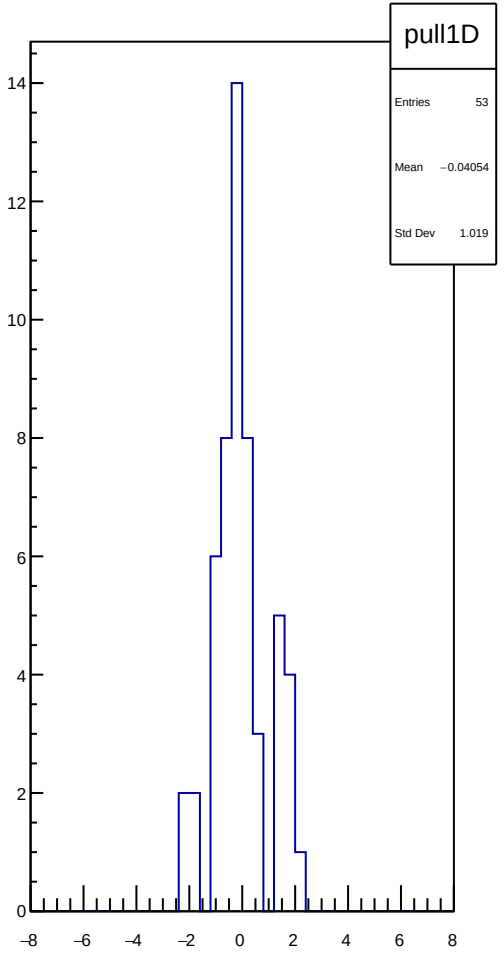

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2101 / 52
p0 26.06 ± 0.02606
29
28
27
26
25
24
23

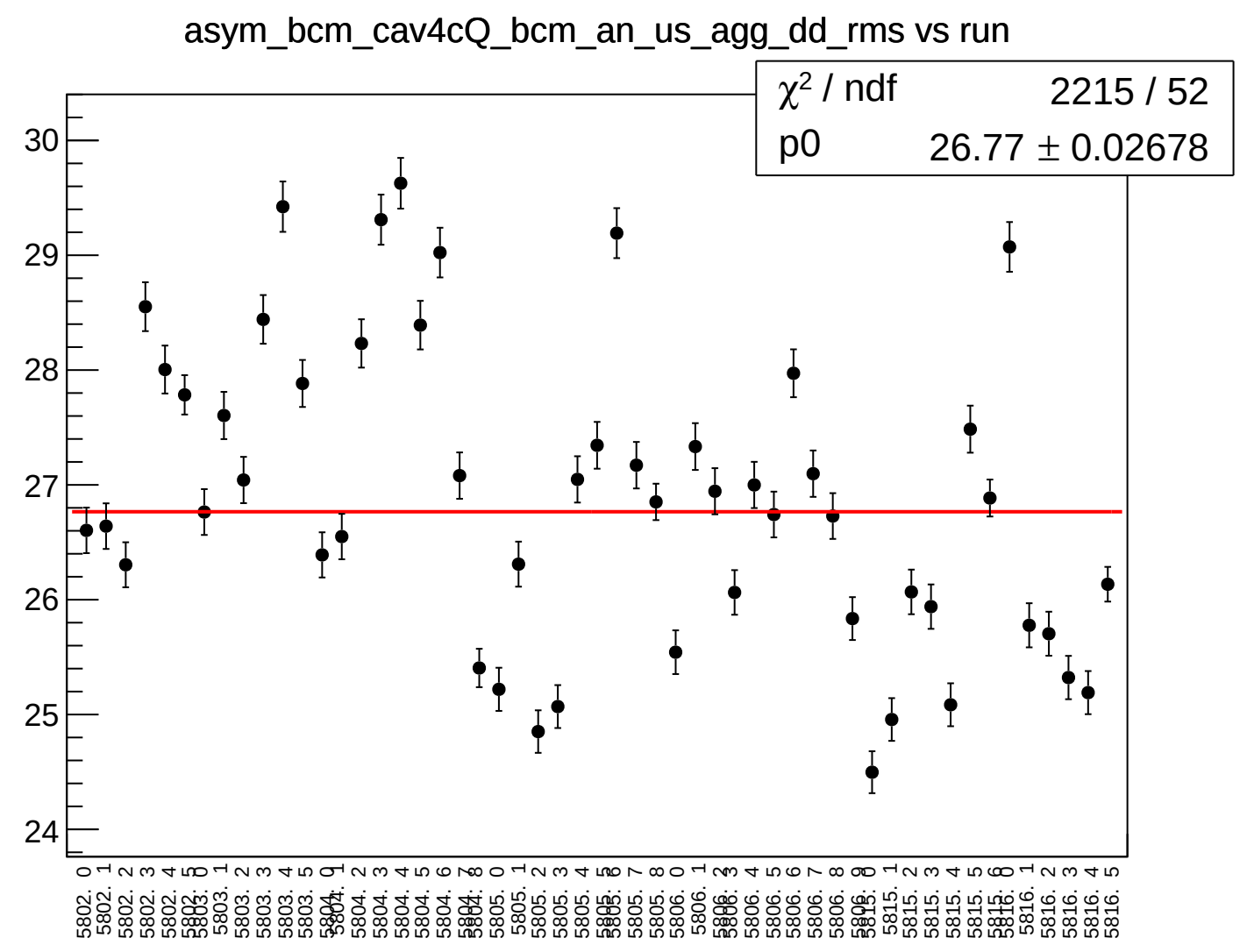

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 39.85 / 52
p0 217.4 ± 218.3
pull
Entries 53
Mean −5.029e+04
Std Dev 0

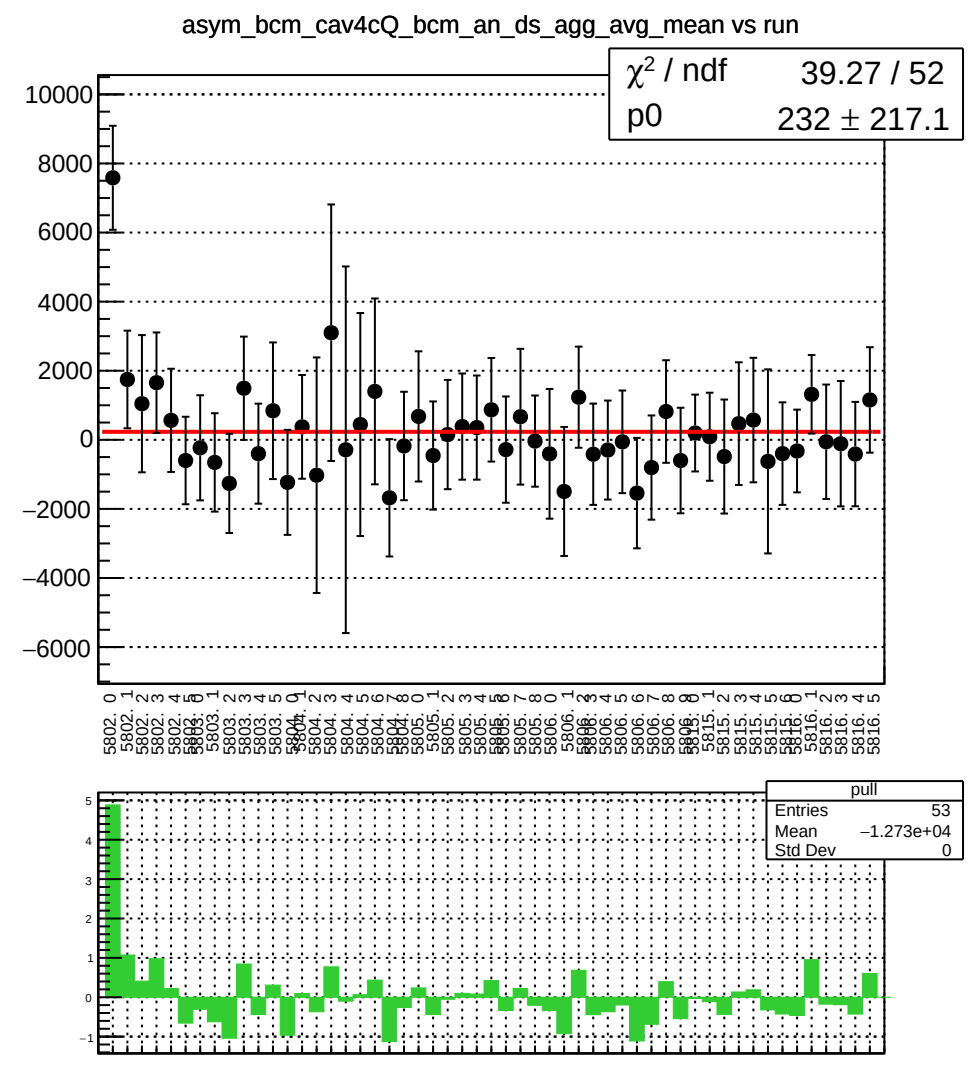

pull1D
Entries 53
Mean 6.127e−05
Std Dev 0.8671

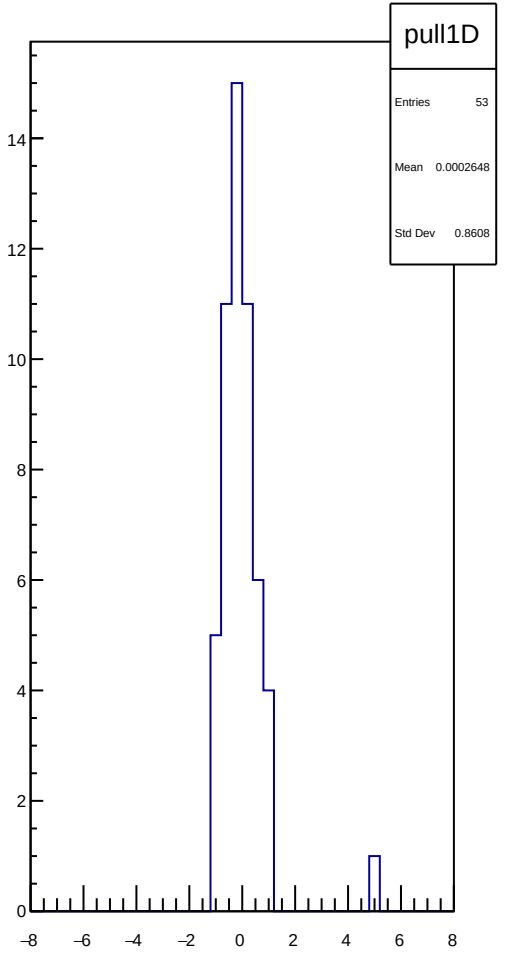

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.821e+04 / 52
p0 150.7 ± 0.1543
550
500
450
400
350
300
250
200
150
100

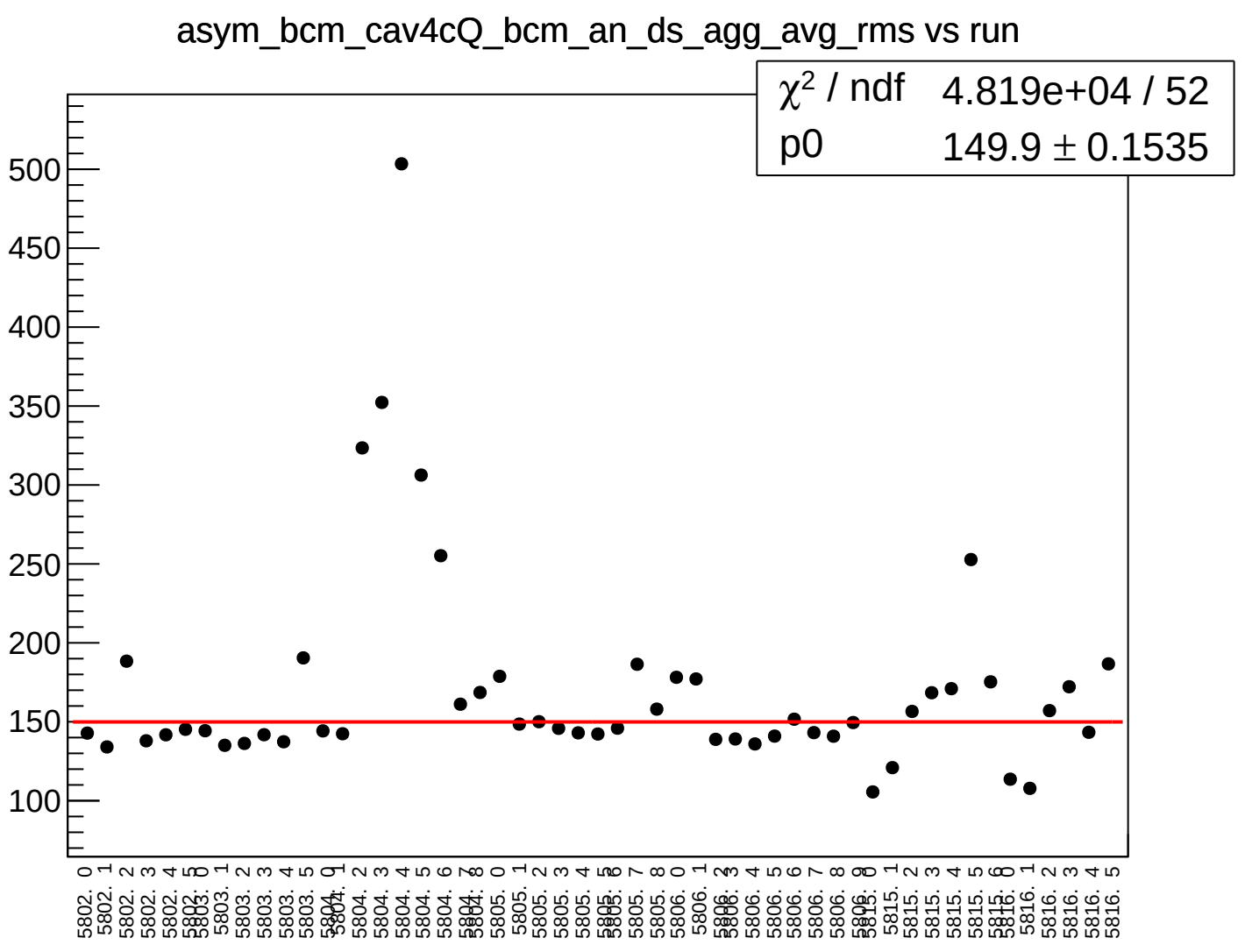

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.15 / 52
p0 36.2 ± 37.87
1000
500
0
−500
−1000
pull
Entries 53
Mean −39.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

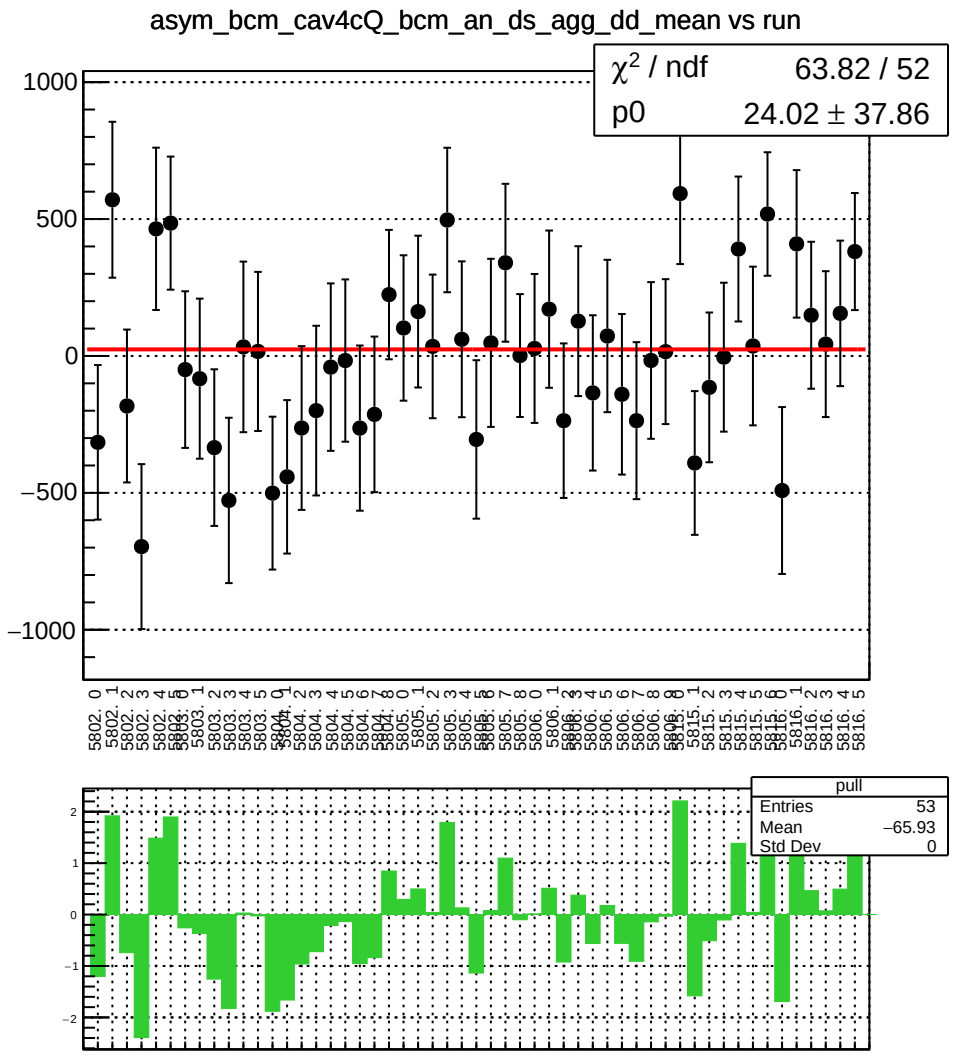

pull1D
Entries 53
Mean −0.04054
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

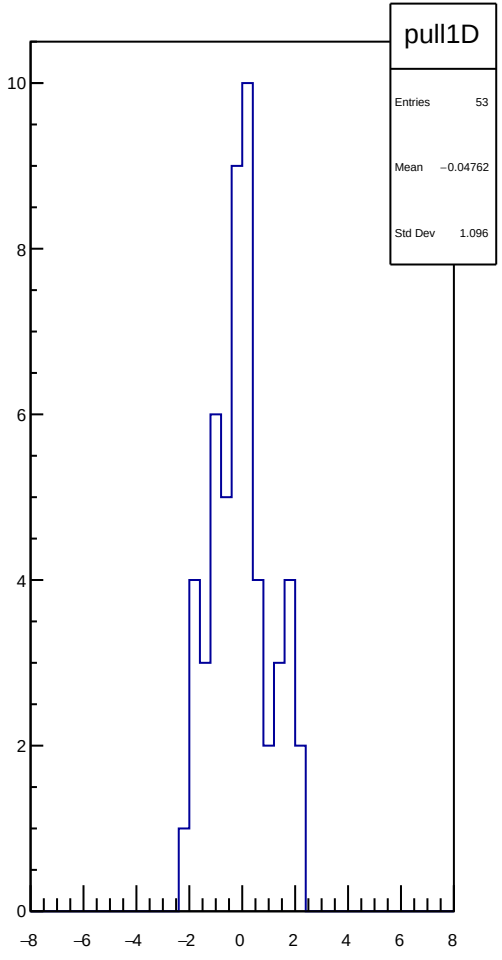

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2215 / 52
p0 26.77 ± 0.02678
30
29
28
27
26
25
24

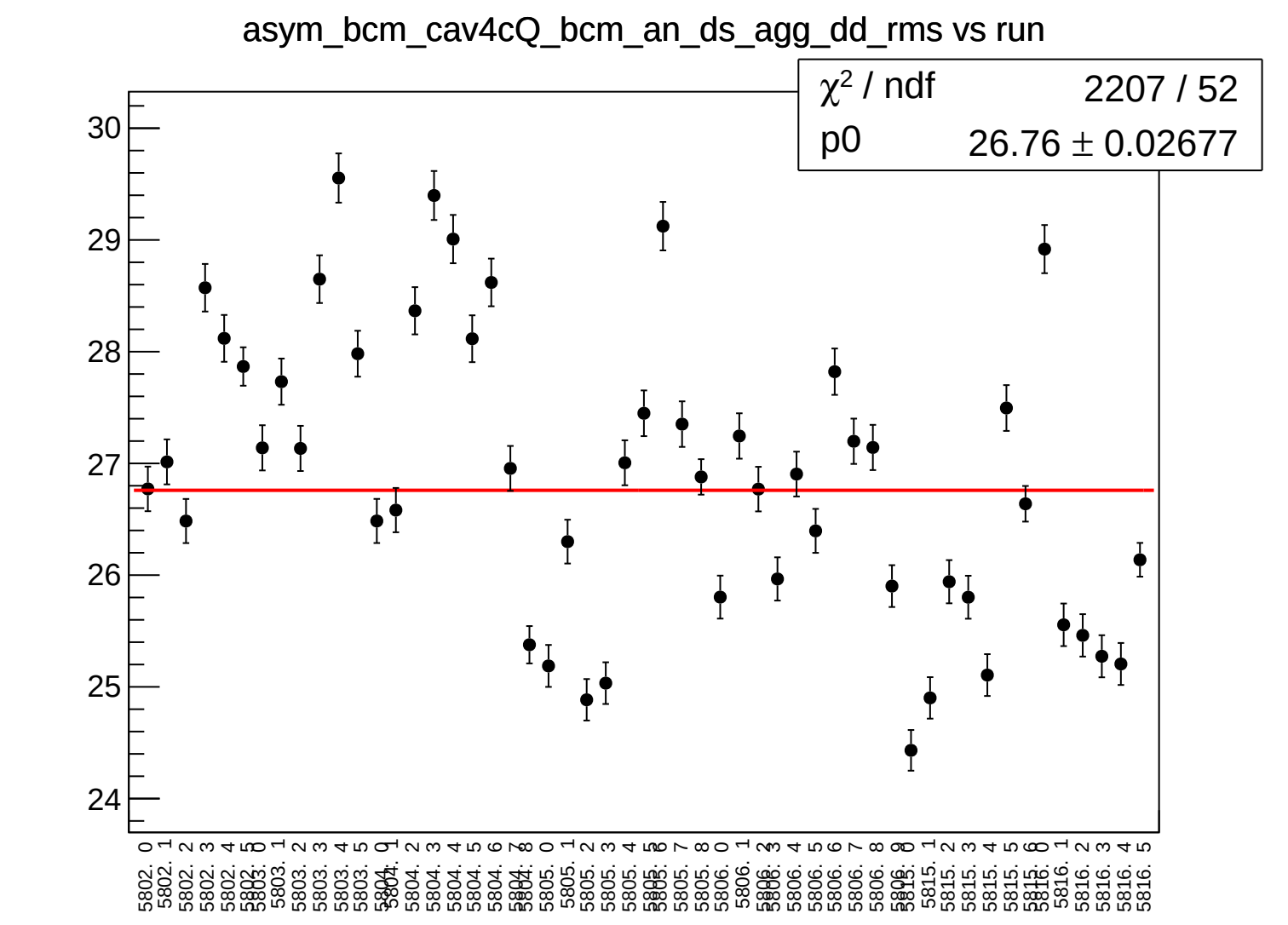

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 39.27 / 52
p0 232 ± 217.1
pull
Entries 53
Mean −1.273e+04
Std Dev 0

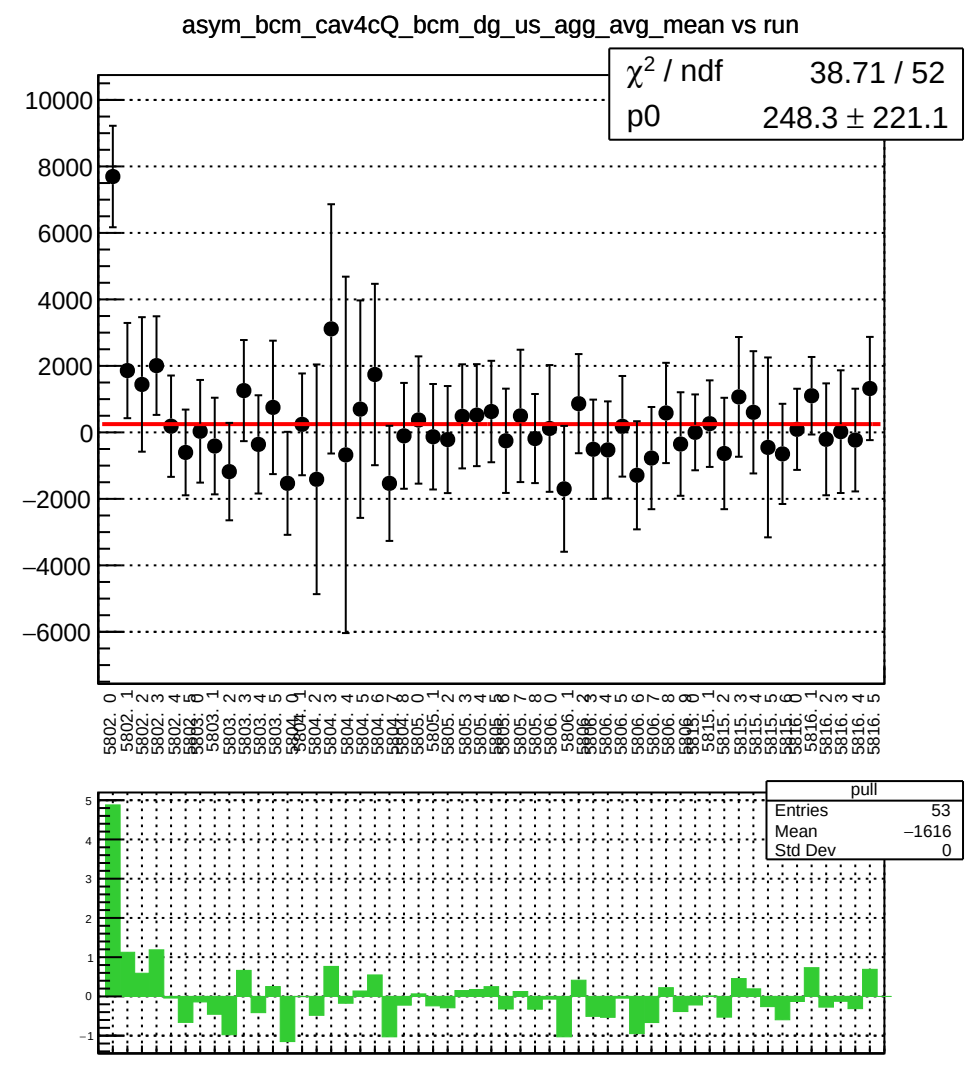

pull1D
Entries 53
Mean 0.0002648
Std Dev 0.8608

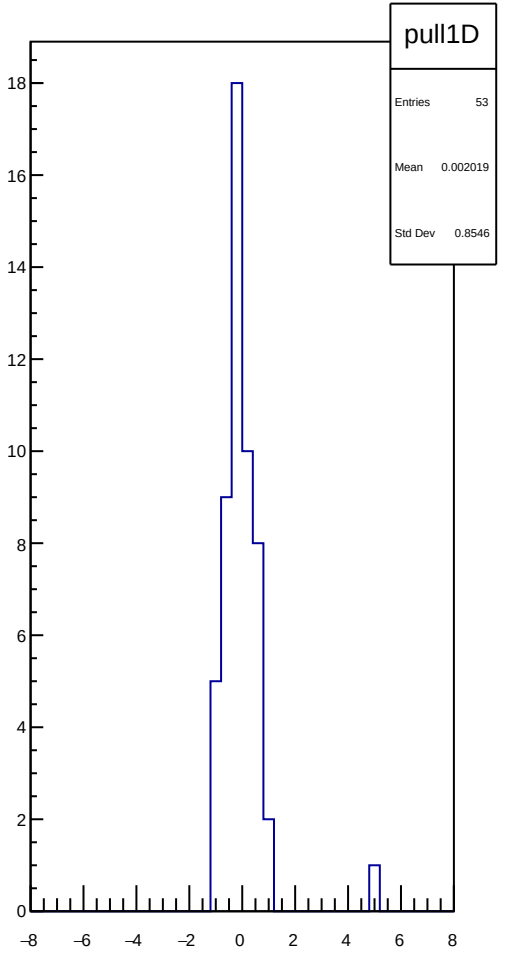

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.819e+04 / 52
p0 149.9 ± 0.1535
500
450
400
350
300
250
200
150
100

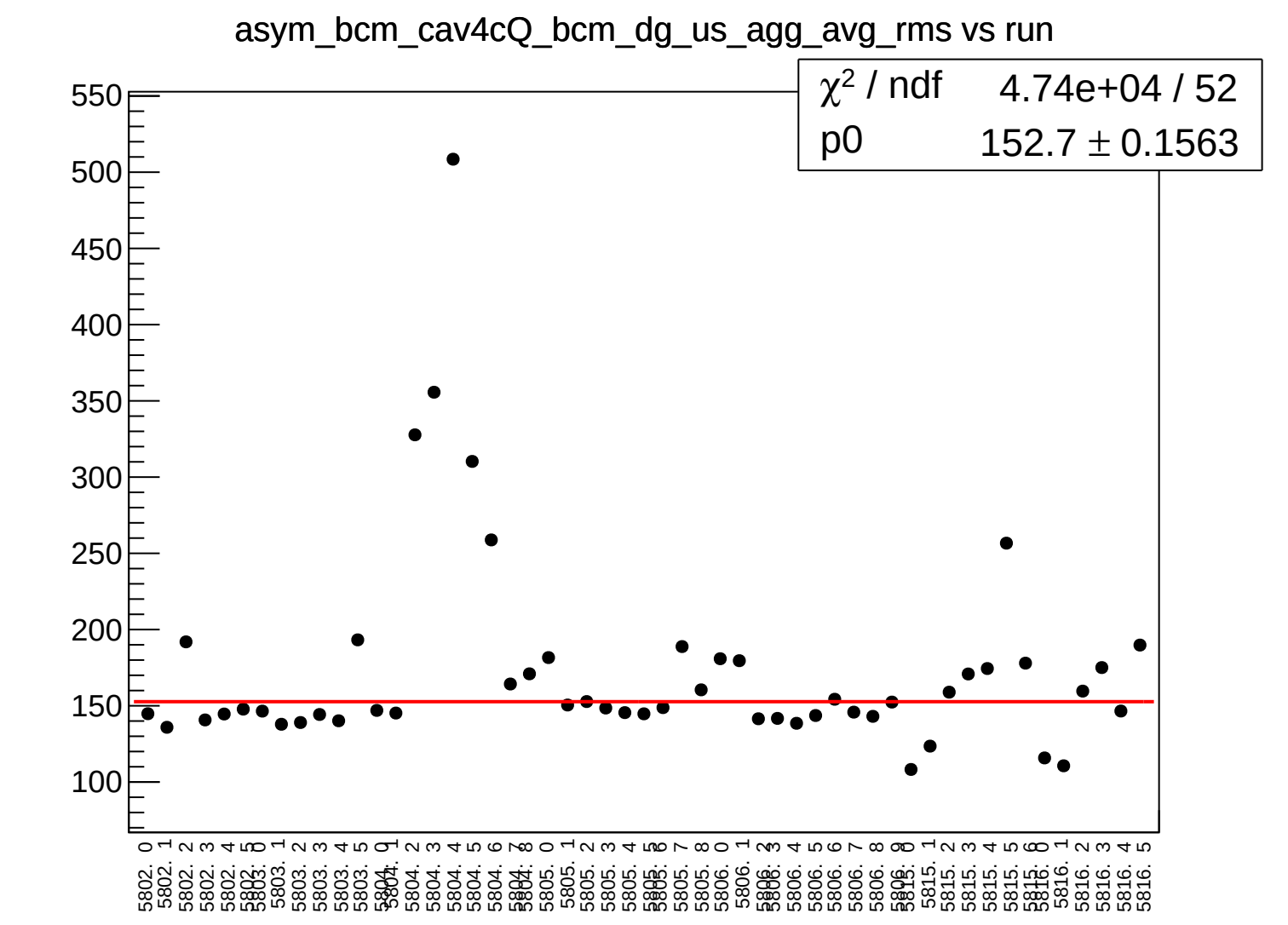

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 63.82 / 52
p0 24.02 ± 37.86
1000
500
0
−500
−1000
pull
Entries 53
Mean −65.93
Std Dev 0
2
1
0
−1
−2

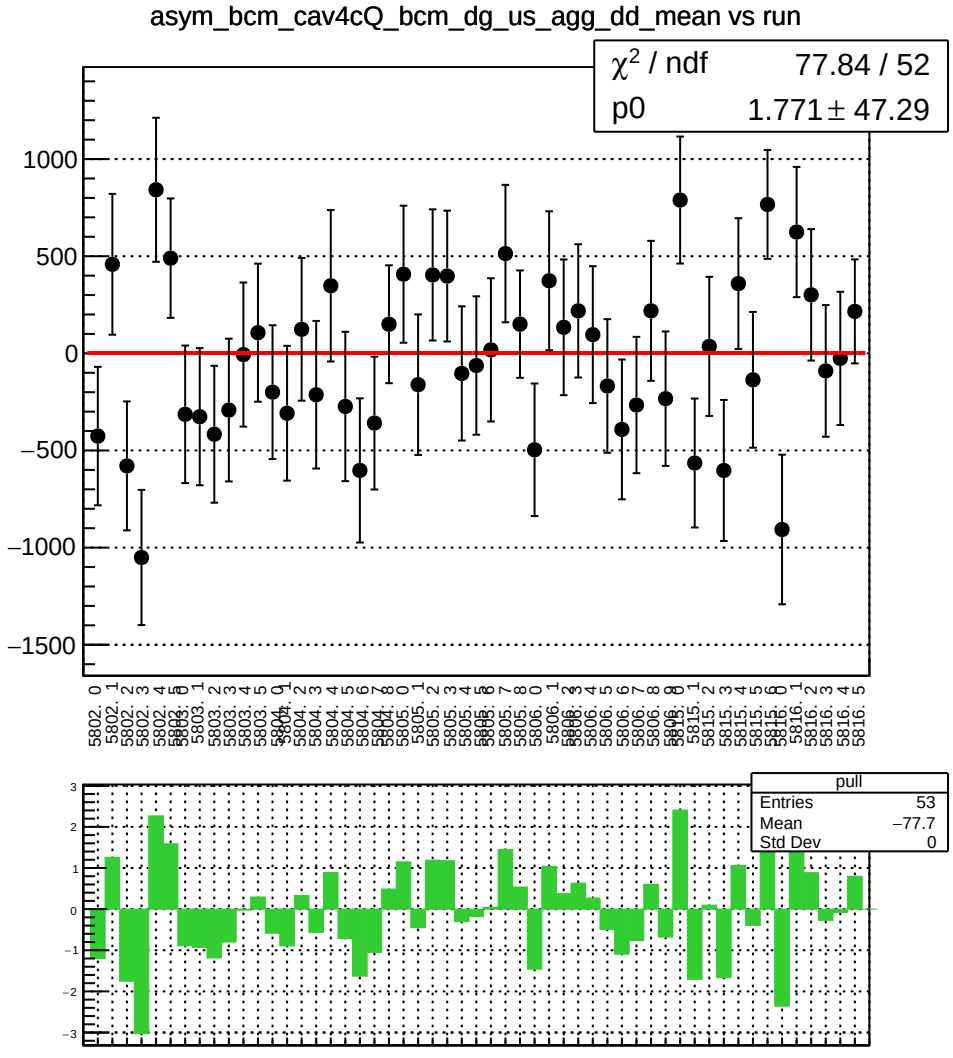

pull1D
Entries 53
Mean −0.04762
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

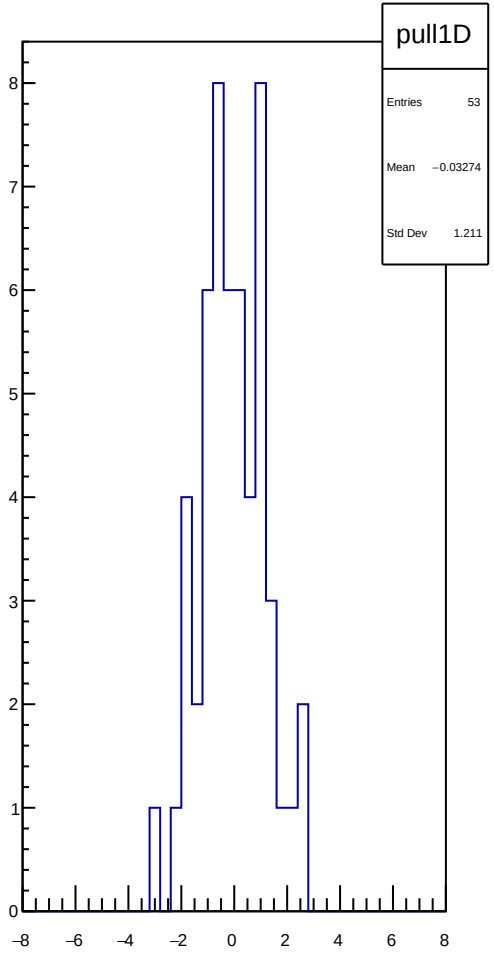

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2207 / 52
p0 26.76 ± 0.02677
30
29
28
27
26
25
24

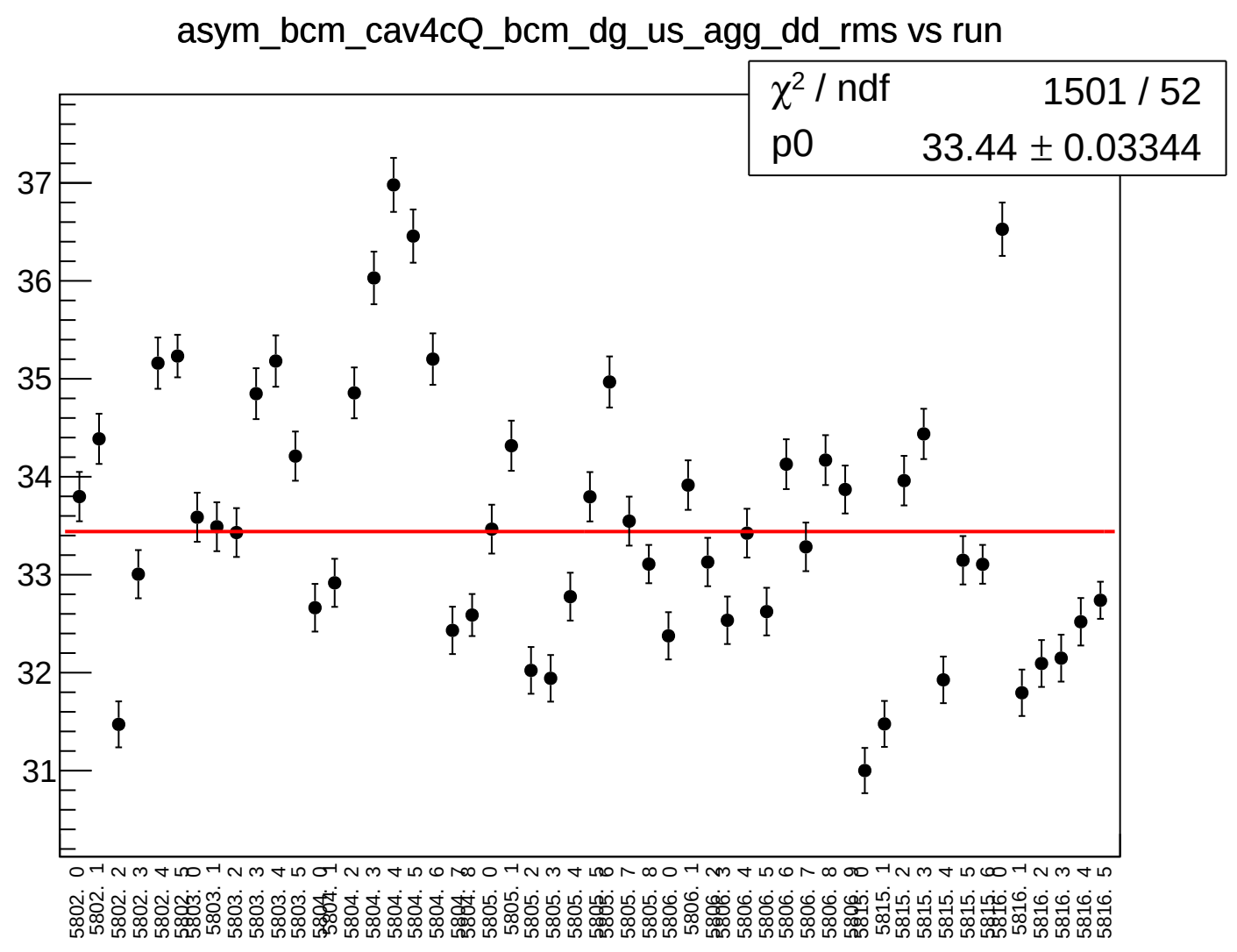

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 38.71 / 52
p0 248.3 ± 221.1
pull
Entries 53
Mean −1616
Std Dev 0

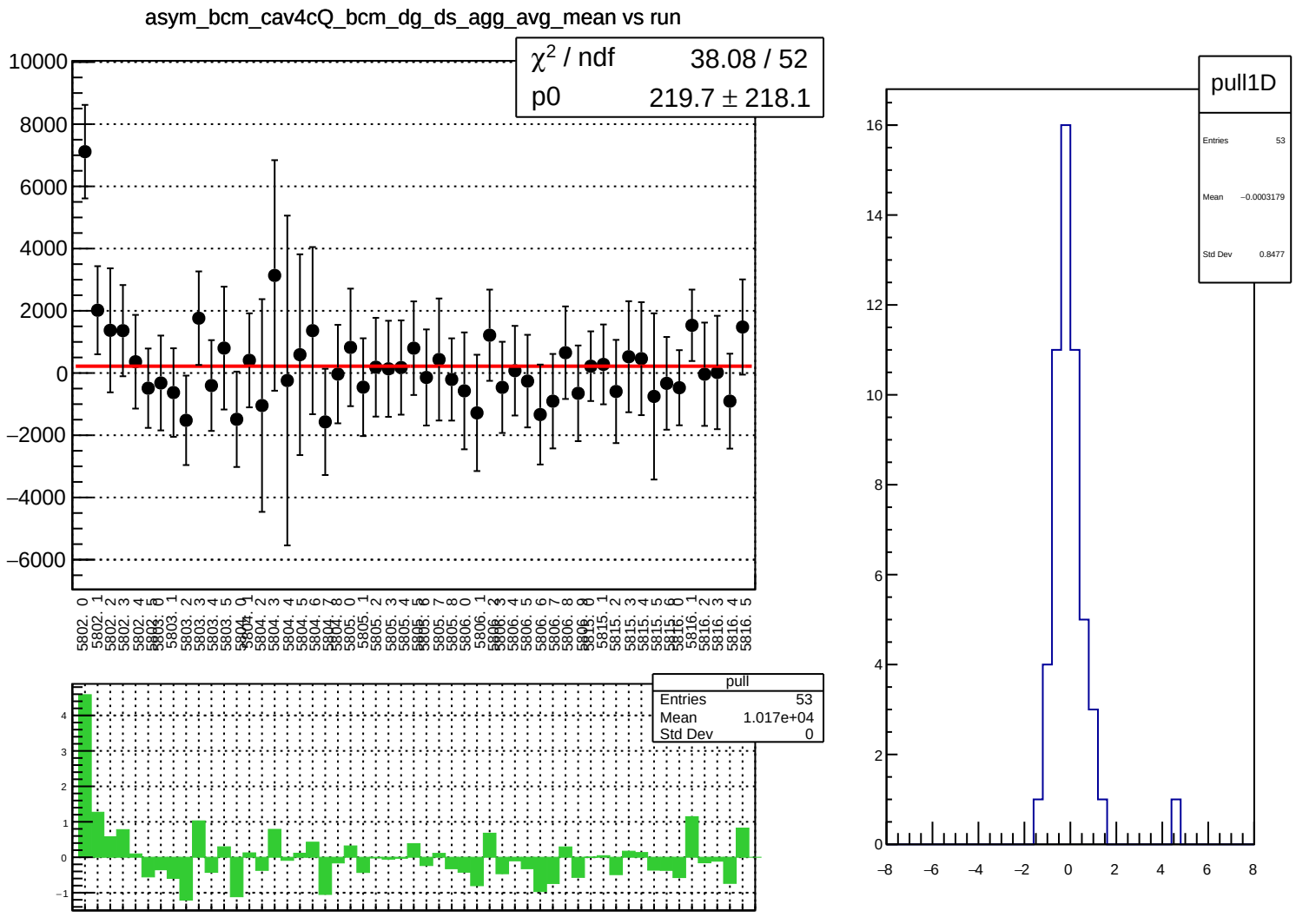

pull1D
Entries 53
Mean 0.002019
Std Dev 0.8546

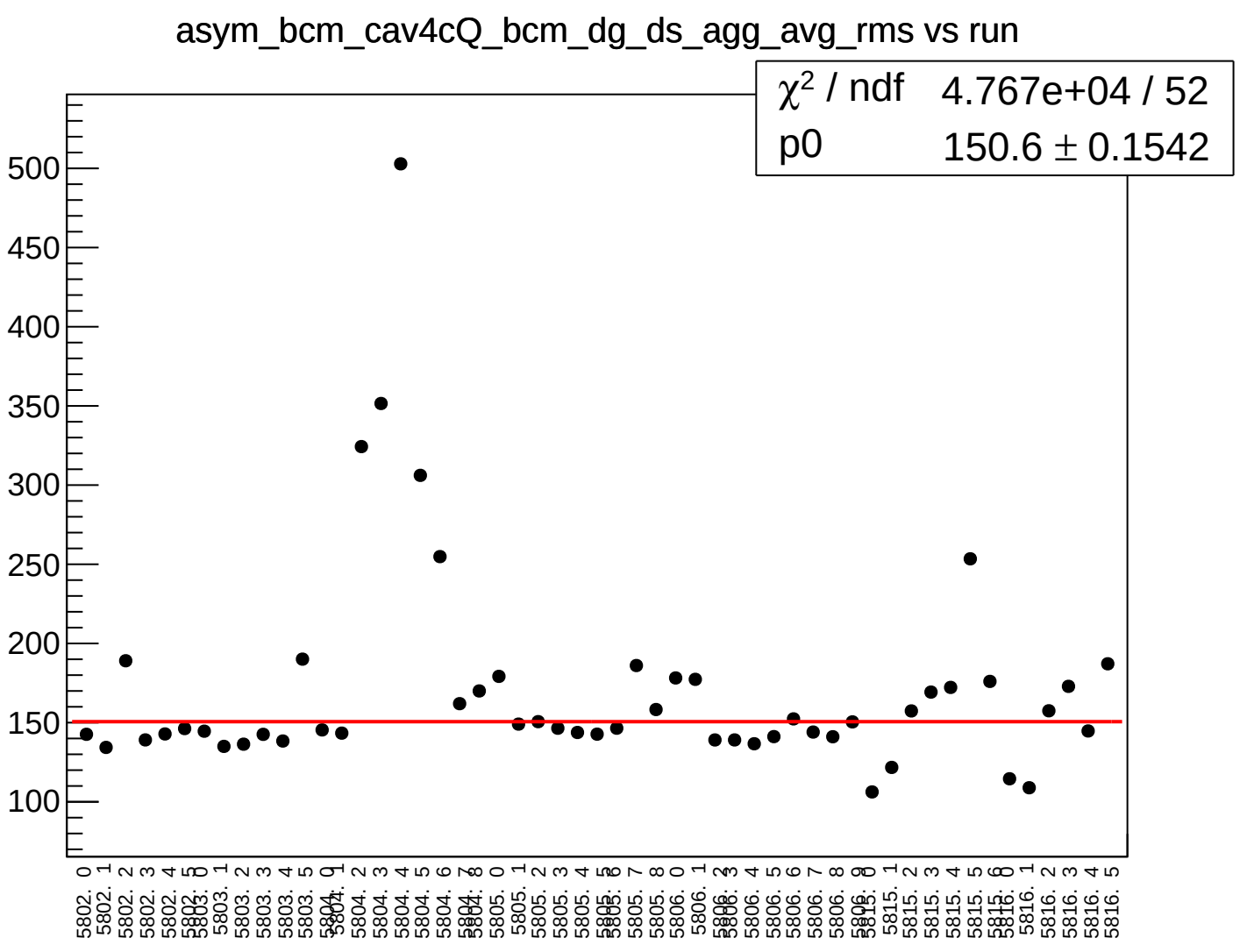

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 4.74e+04 / 52
p0 152.7 ± 0.1563
550
500
450
400
350
300
250
200
150
100

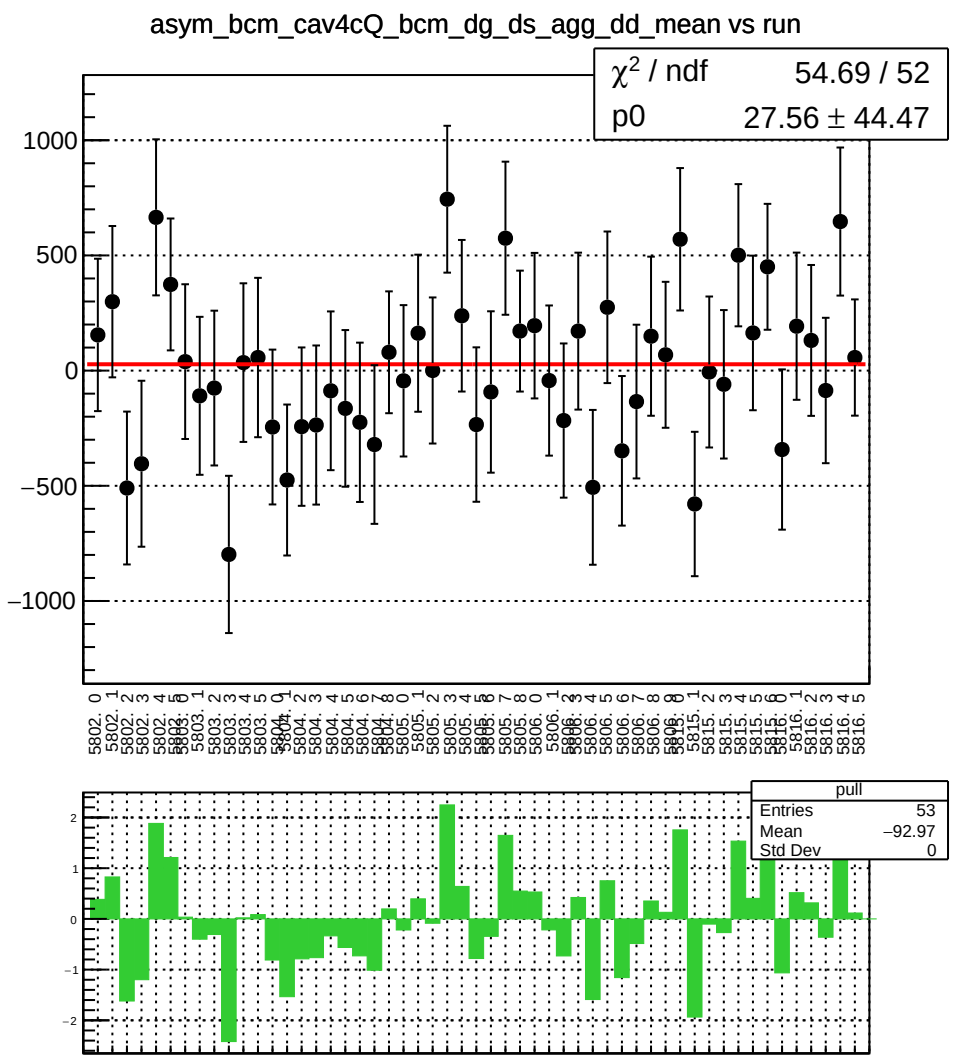

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 77.84 / 52
p0 1.771 ± 47.29
1000
500
0
−500
−1000
−1500
pull
Entries 53
Mean −77.7
Std Dev 0
3
2
1
0
−1
−2
−3

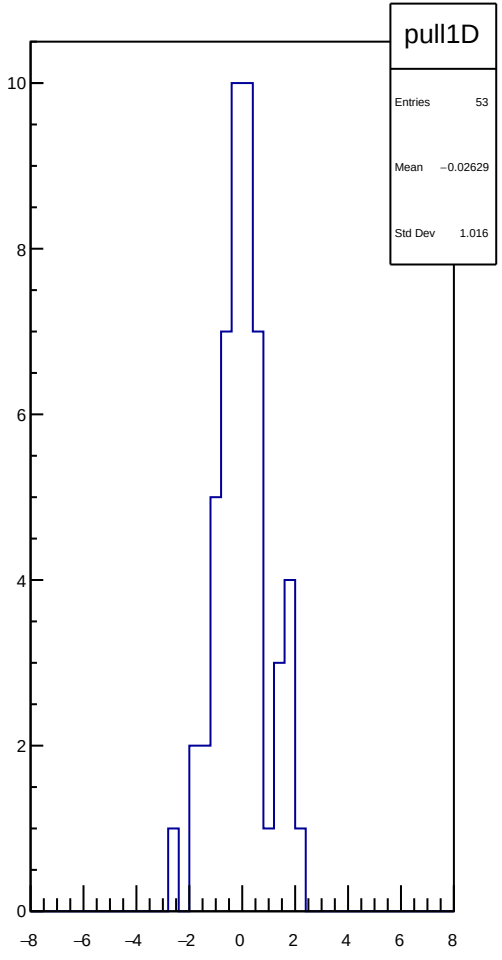

pull1D
Entries 53
Mean −0.03274
Std Dev 1.211
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

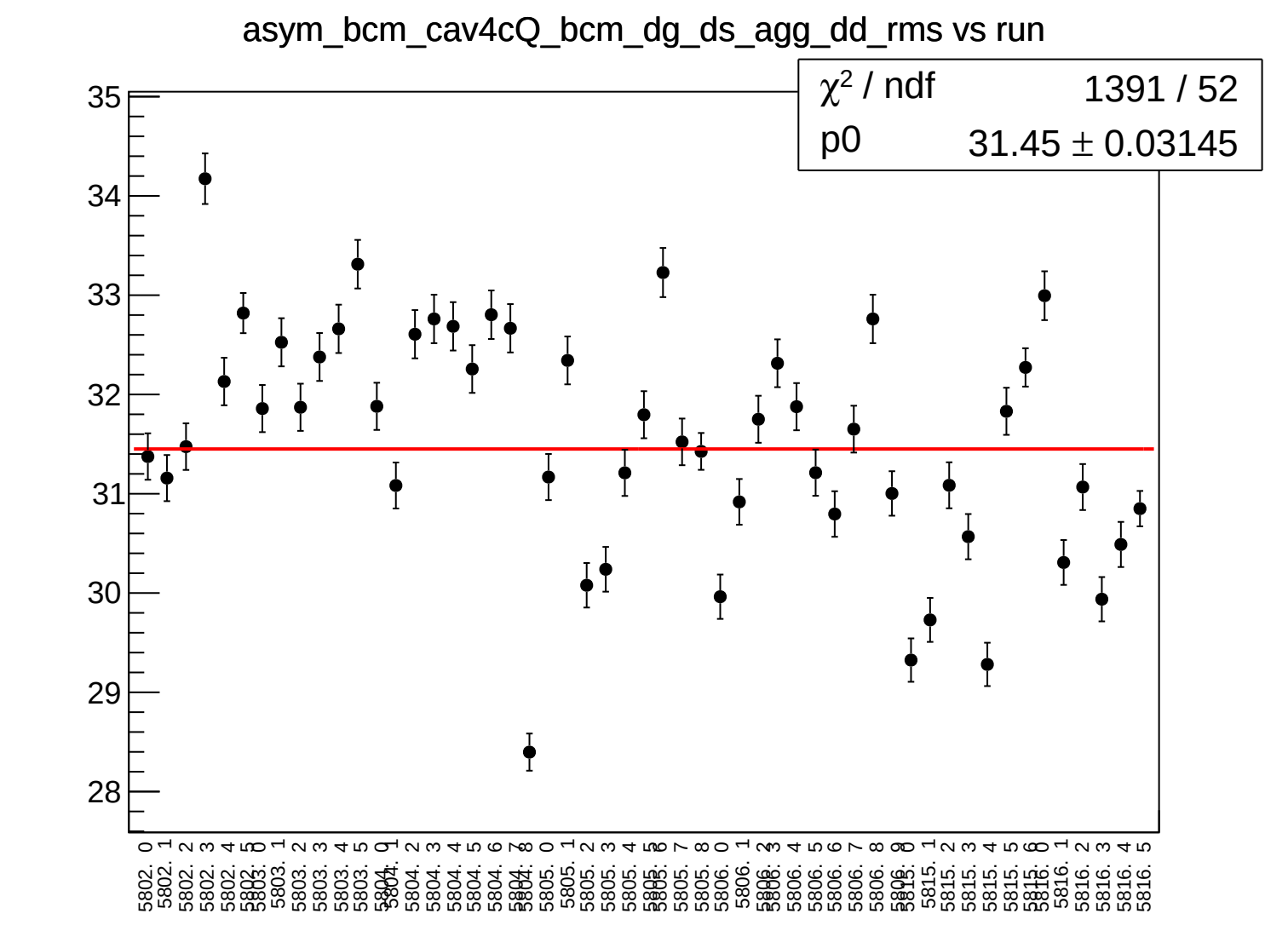

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1501 / 52
p0 33.44 ± 0.03344
37
36
35
34
33
32
31

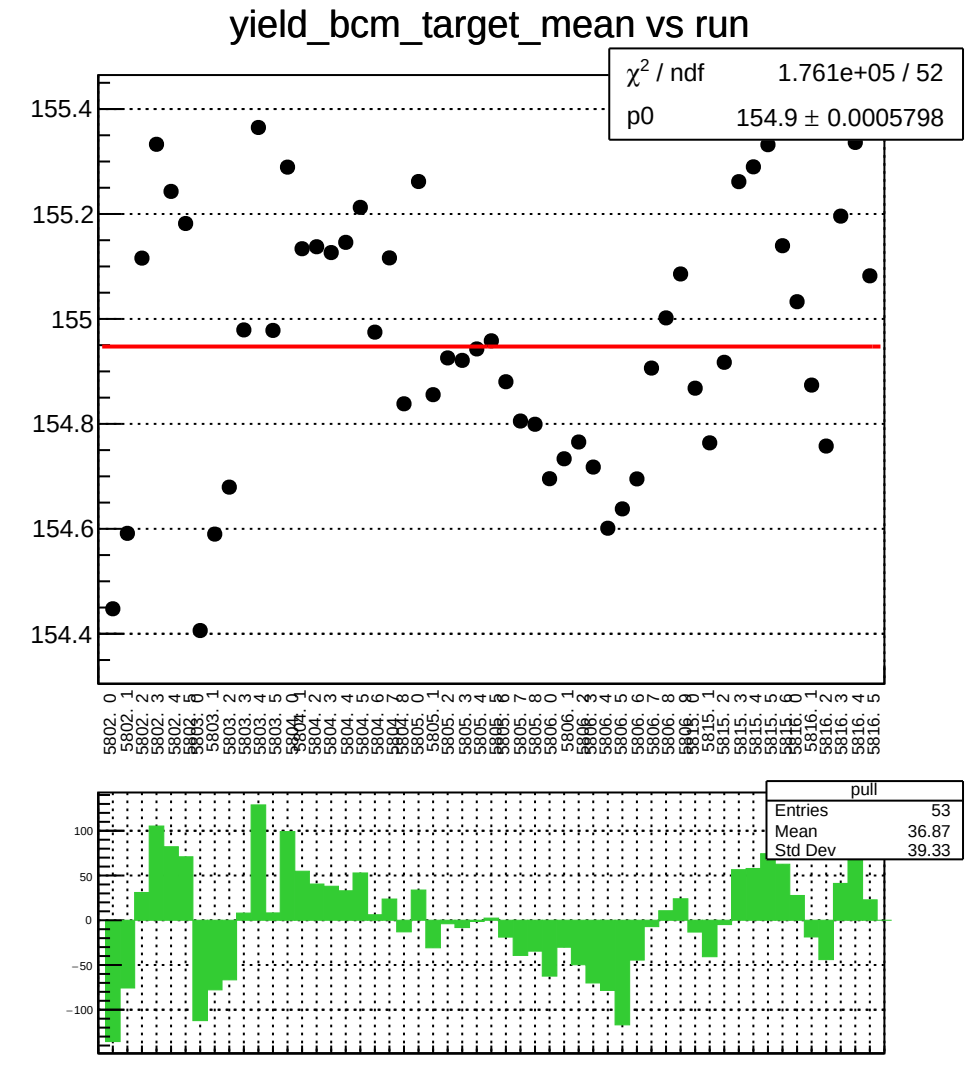

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 38.08 / 52
p0 219.7 ± 218.1
pull
Entries 53
Mean 1.017e+04
Std Dev 0
pull1D
Entries 53
Mean −0.0003179
Std Dev 0.8477

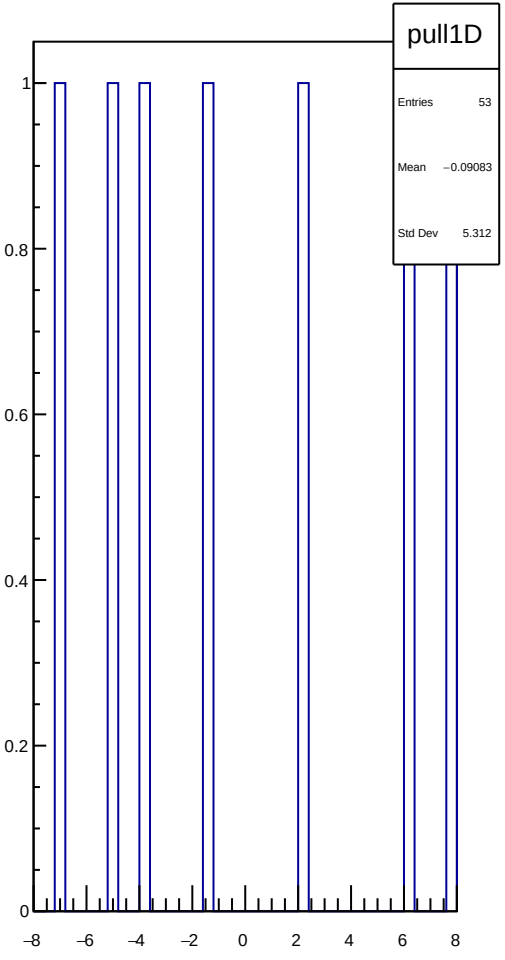

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4.767e+04 / 52
p0 150.6 ± 0.1542
500
450
400
350
300
250
200
150
100

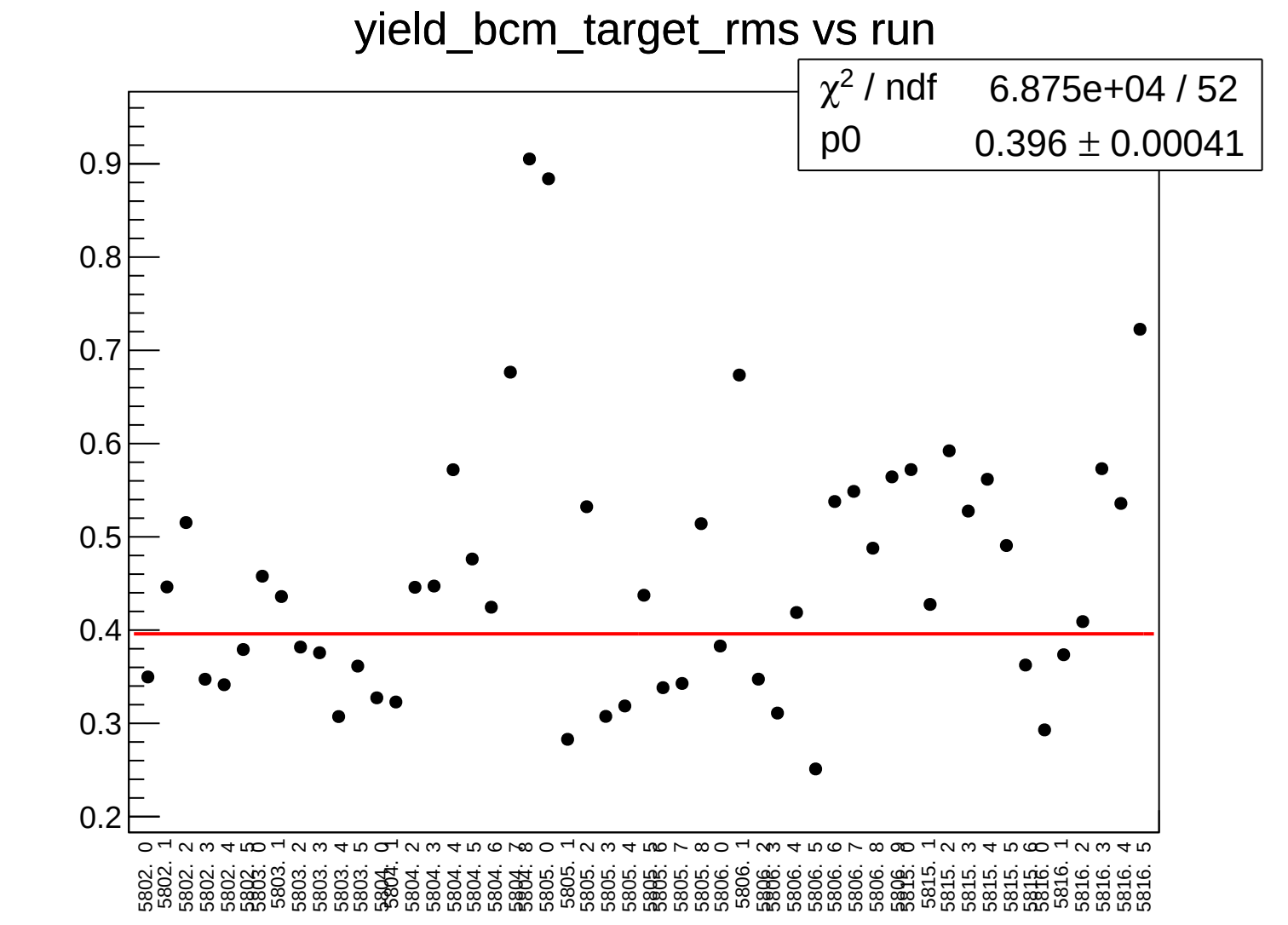

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 54.69 / 52
p0 27.56 ± 44.47
1000
500
0
−500
−1000
pull
Entries 53
Mean −92.97
Std Dev 0
2
1
0
−1
−2

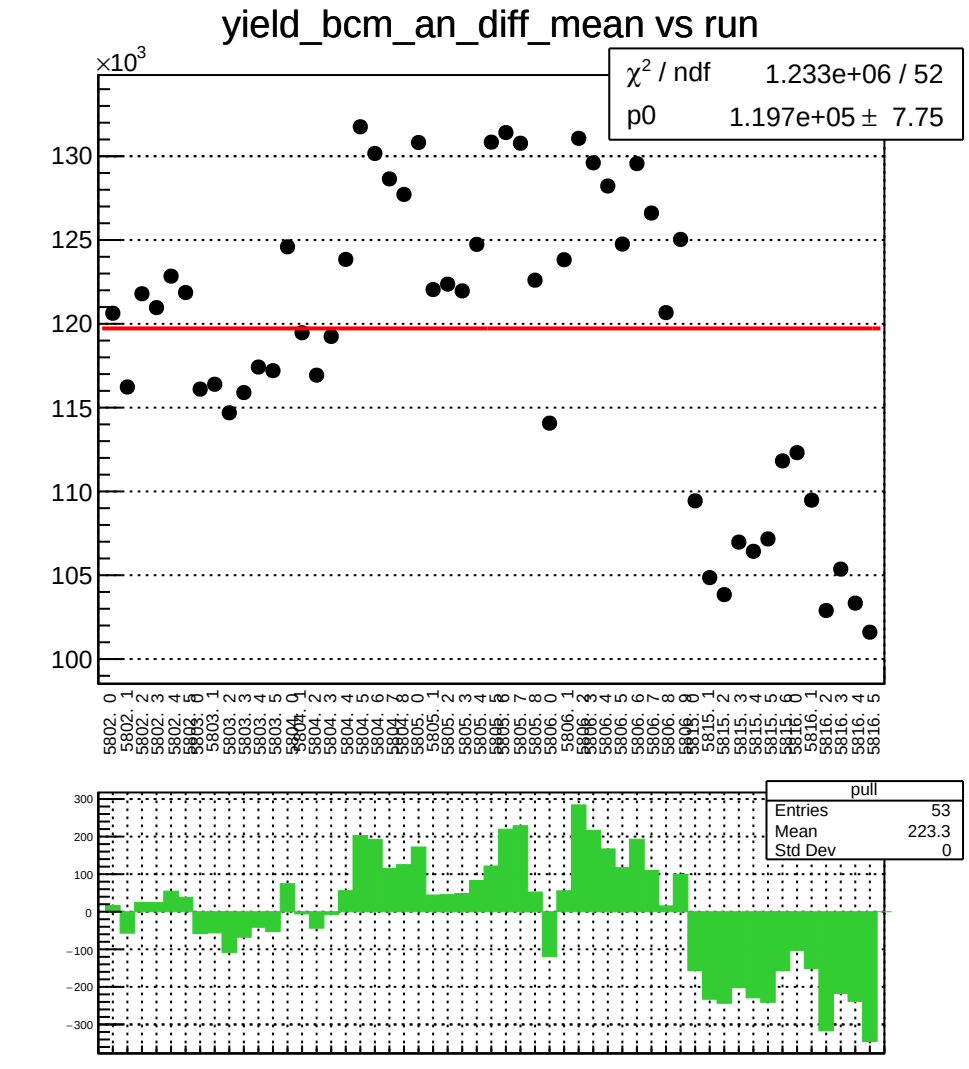

pull1D
Entries 53
Mean −0.02629
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

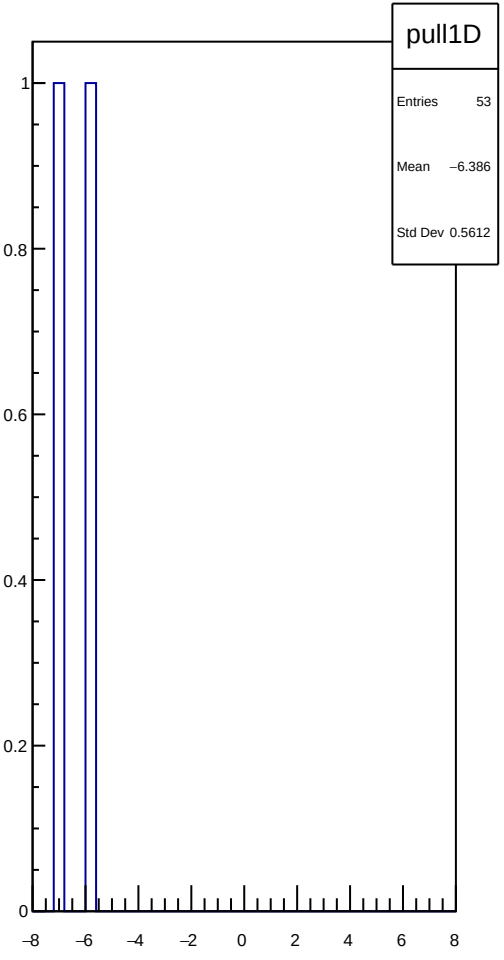

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1391 / 52
p0 31.45 ± 0.03145
35
34
33
32
31
30
29
28

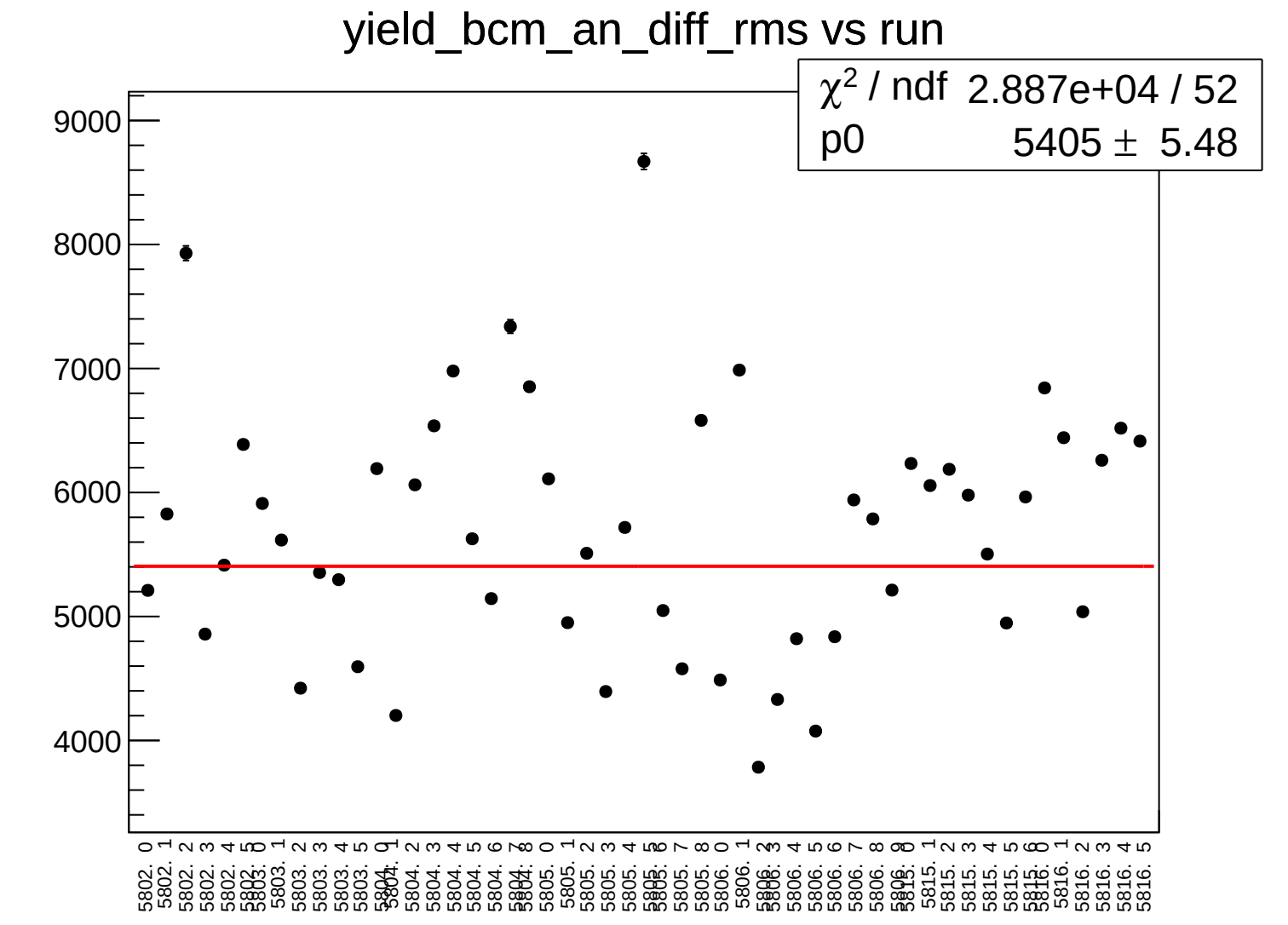

yield_bcm_target_mean vs run
χ² / ndf 1.761e+05 / 52
p0 154.9 ± 0.0005798
155.4
155.2
155
154.8
154.6
154.4
pull
Entries 53
Mean 36.87
Std Dev 39.33
100
50
0
−50
−100

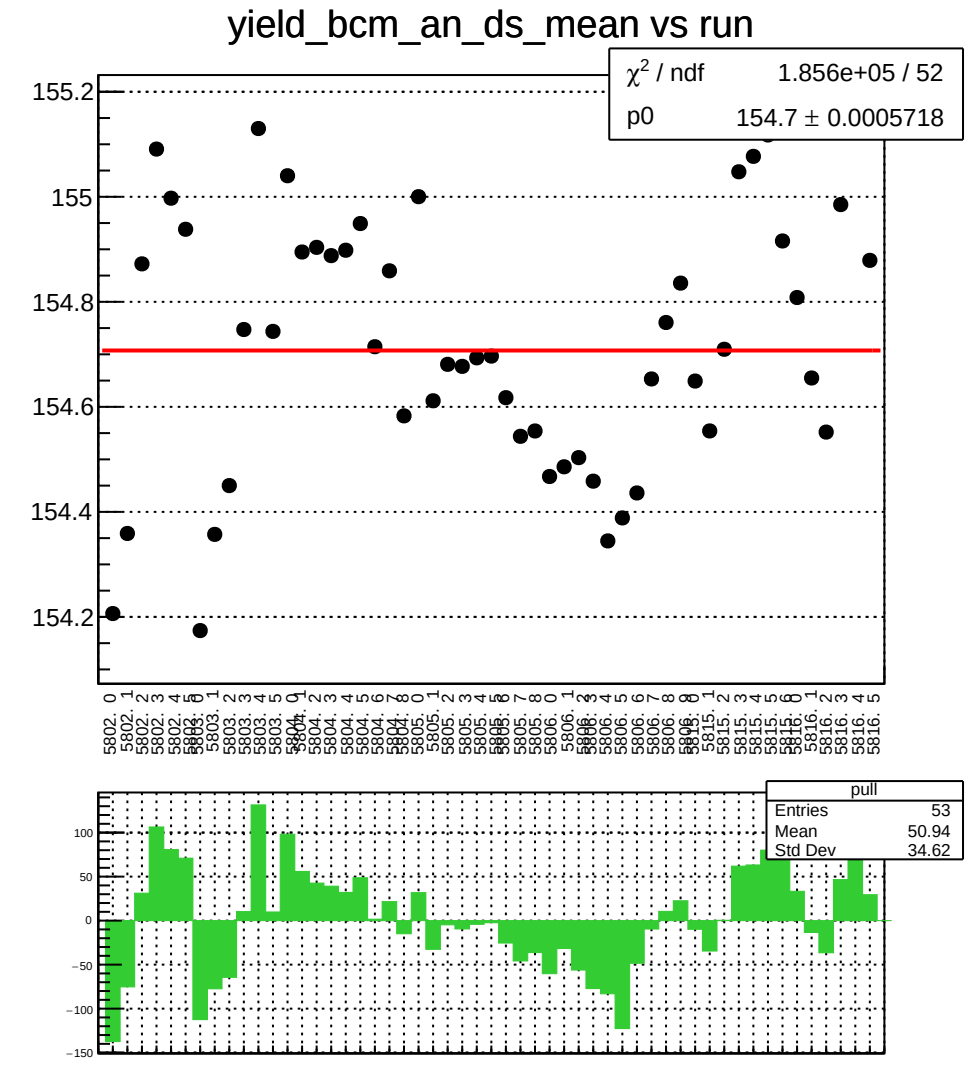

pull1D
Entries 53
Mean −0.09083
Std Dev 5.312
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

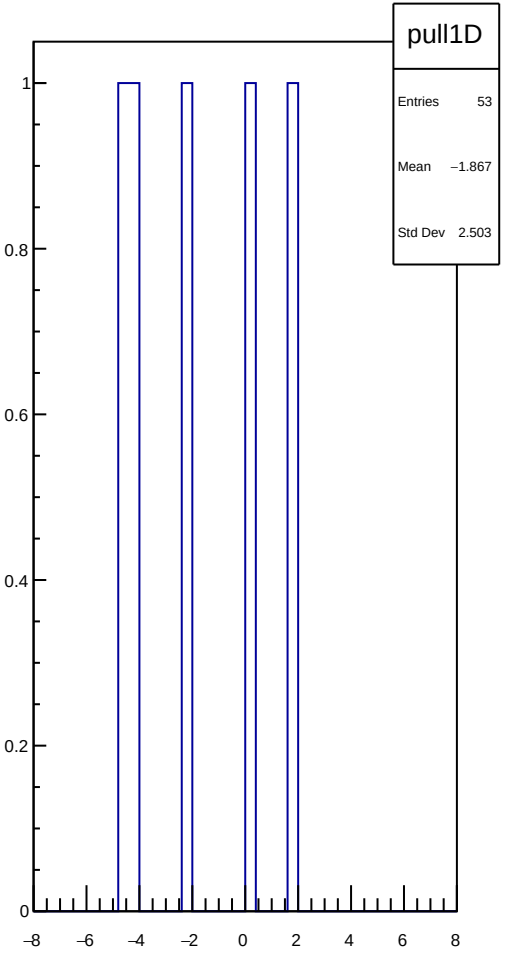

yield_bcm_target_rms vs run
χ² / ndf 6.875e+04 / 52
p0 0.396 ± 0.00041
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

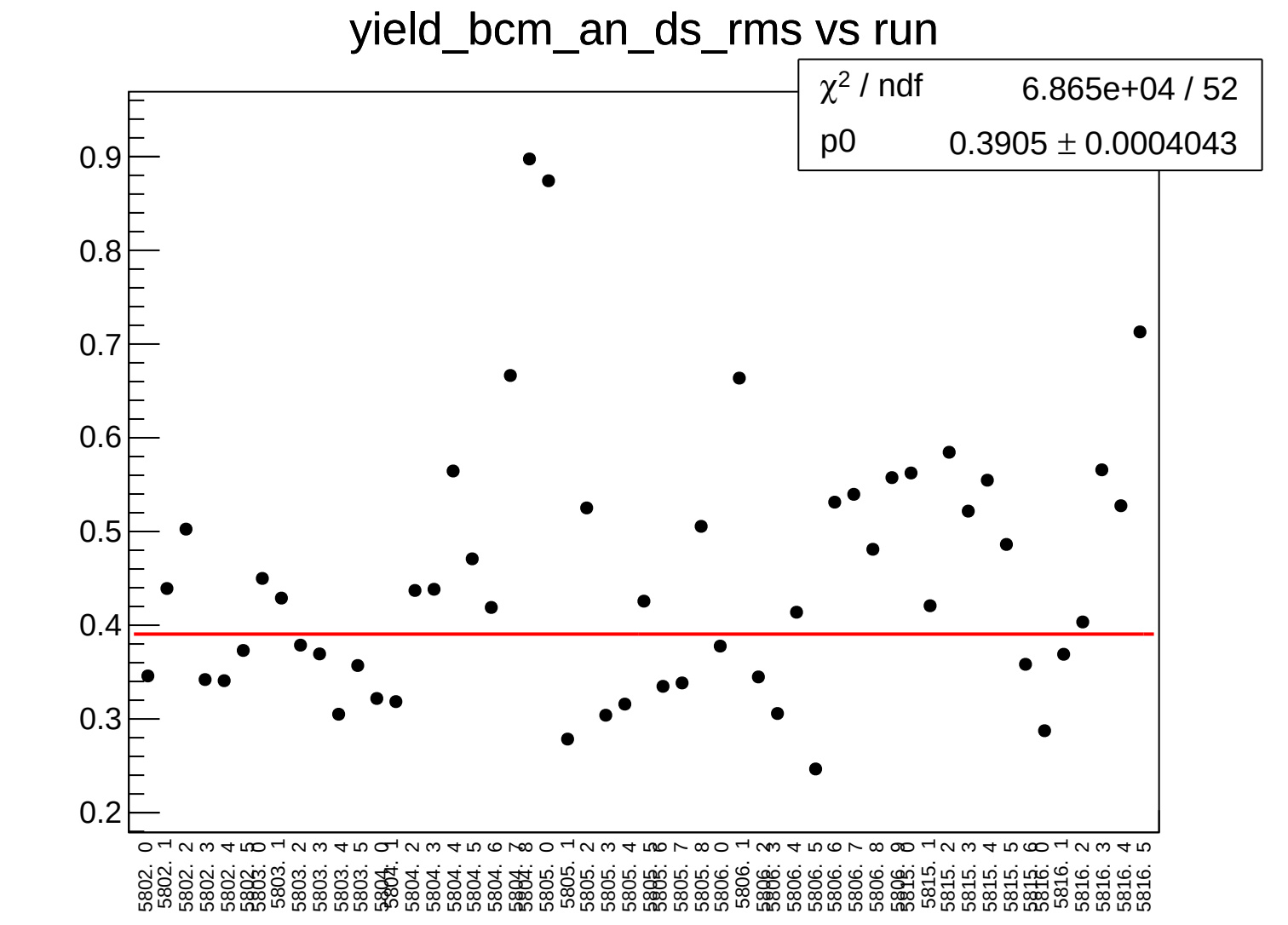

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 1.233e+06 / 52
p0 1.197e+05 ± 7.75
130
125
120
115
110
105
100
pull
Entries 53
Mean 223.3
Std Dev 0
300
200
100
0
−100
−200
−300

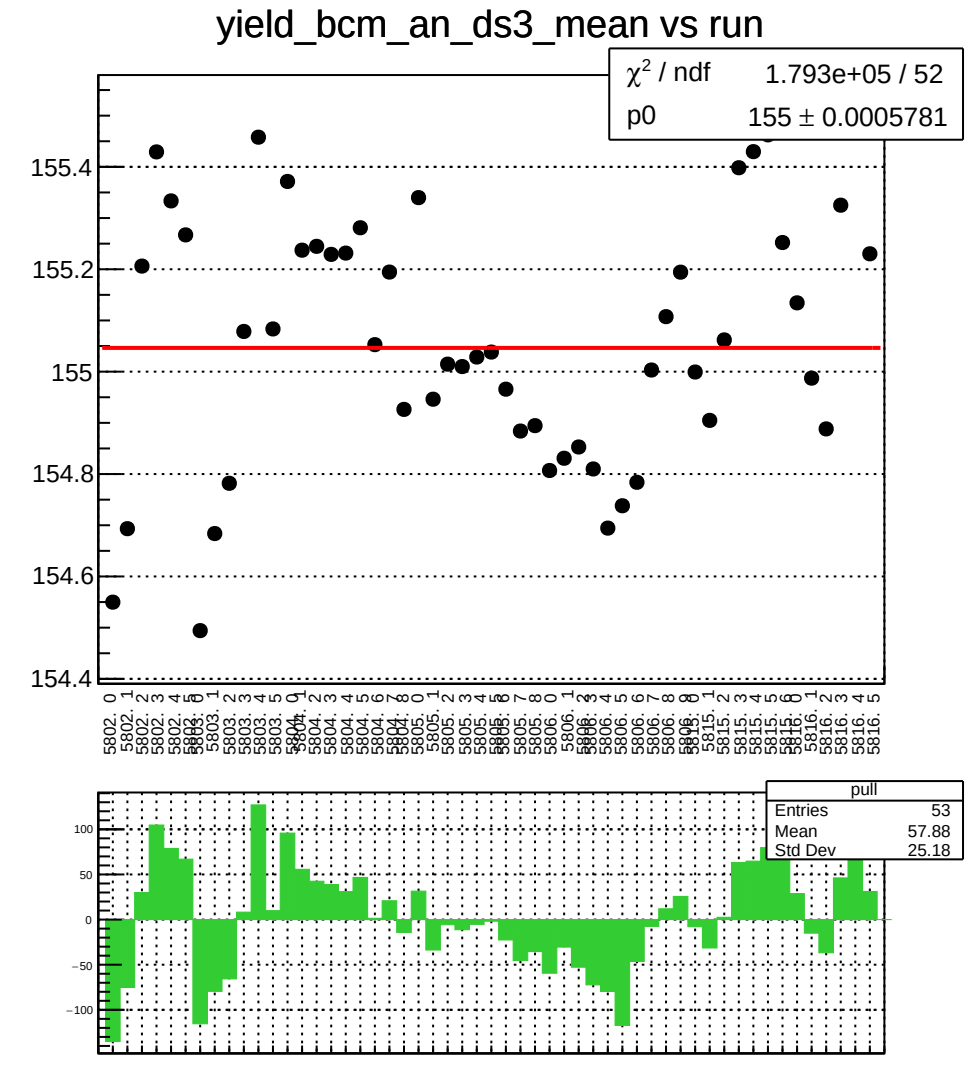

pull1D
Entries 53
Mean −6.386
Std Dev 0.5612
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

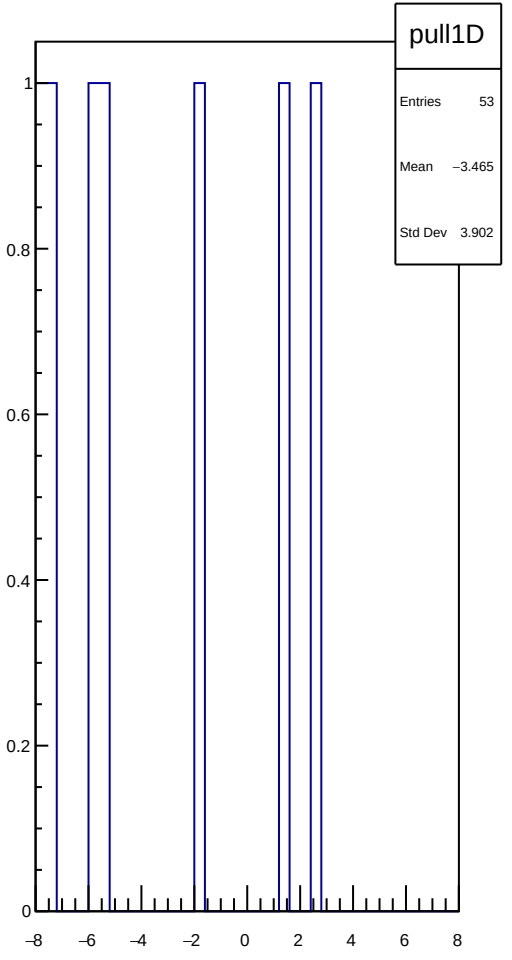

yield_bcm_an_diff_rms vs run
χ² / ndf 2.887e+04 / 52
p0 5405 ± 5.48
9000
8000
7000
6000
5000
4000

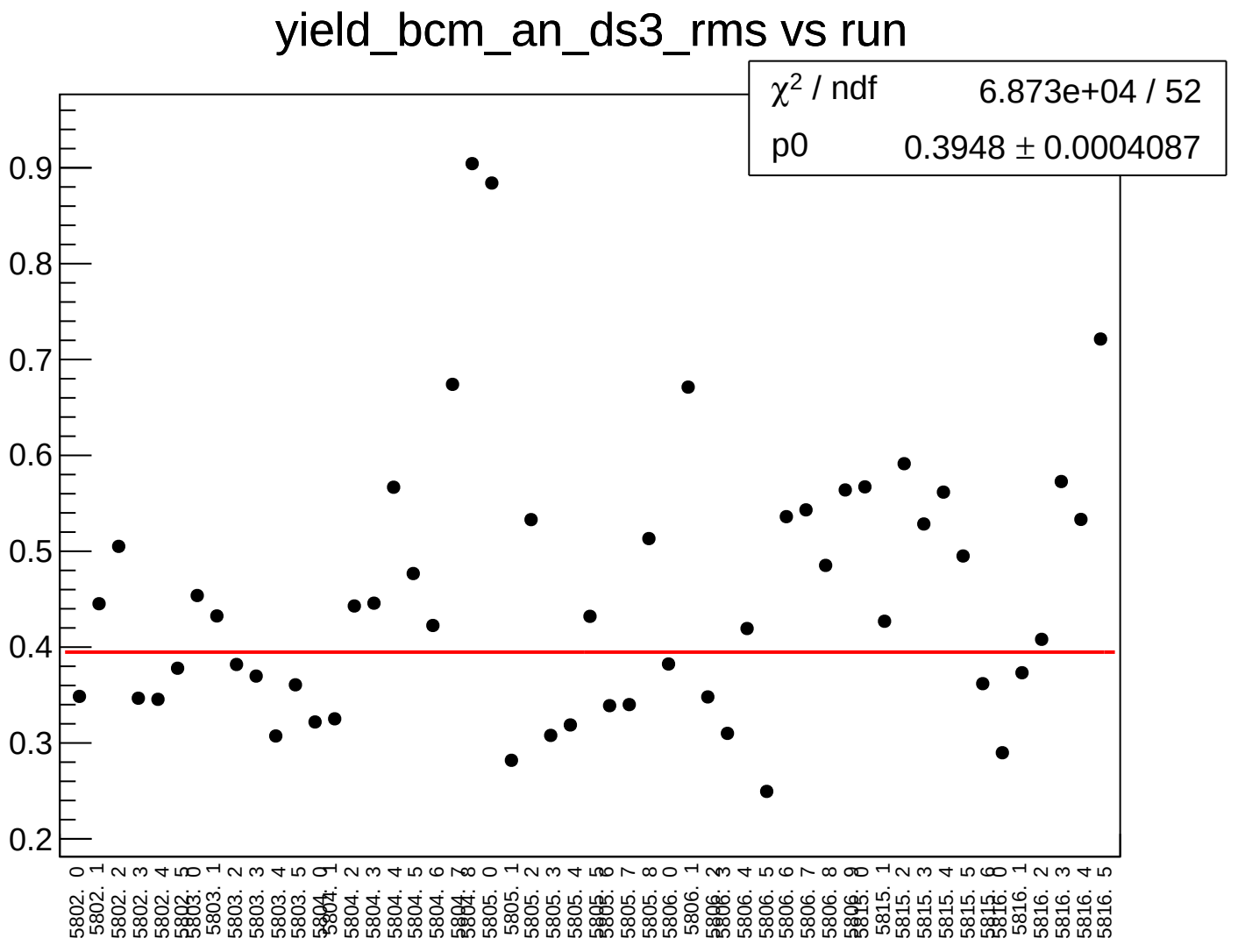

yield_bcm_an_ds_mean vs run
χ² / ndf 1.856e+05 / 52
p0 154.7 ± 0.0005718
155.2
155
154.8
154.6
154.4
154.2
pull
Entries 53
Mean 50.94
Std Dev 34.62
100
50
0
−50
−100
−150

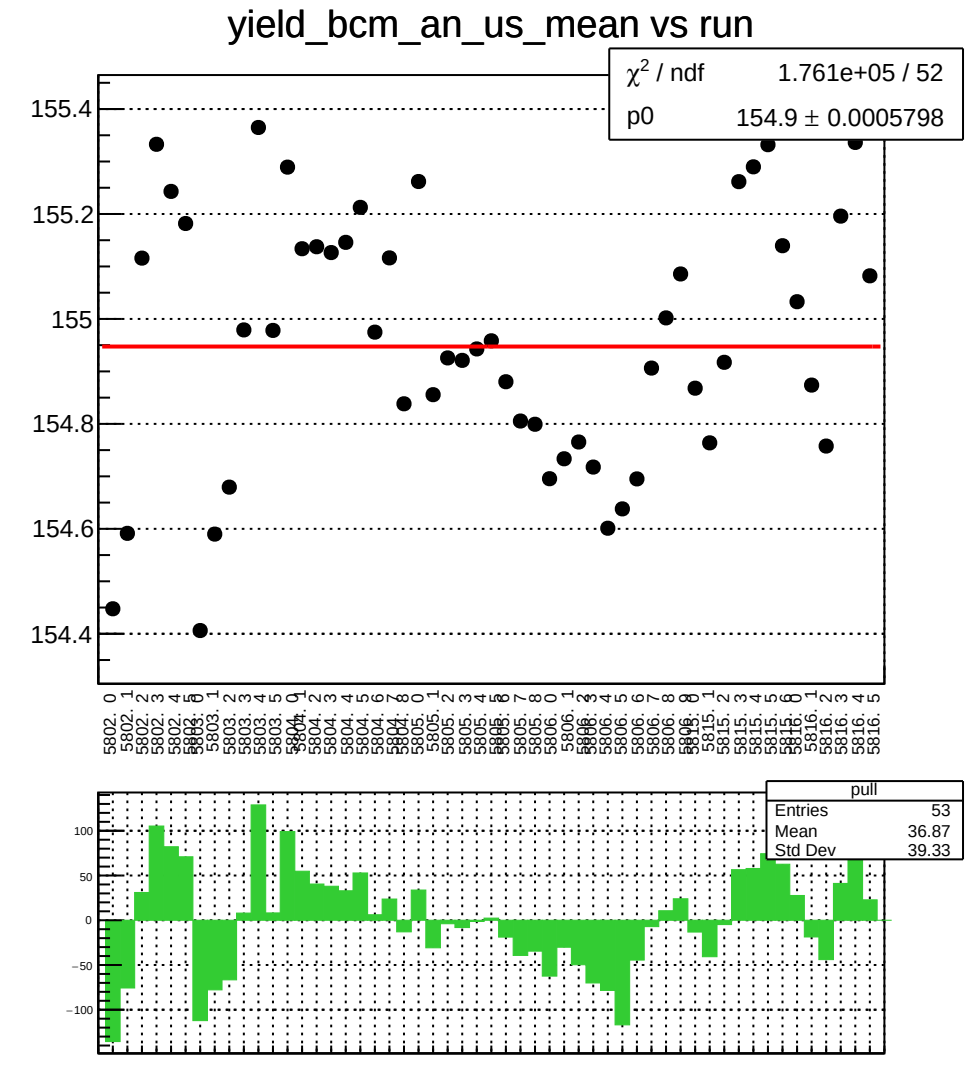

pull1D
Entries 53
Mean −1.867
Std Dev 2.503
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

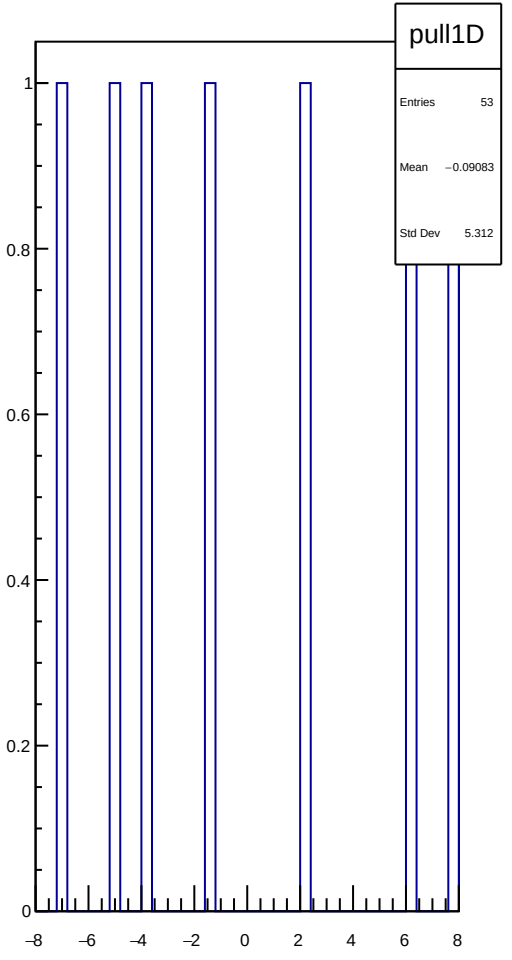

yield_bcm_an_ds_rms vs run
χ² / ndf 6.865e+04 / 52
p0 0.3905 ± 0.0004043
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

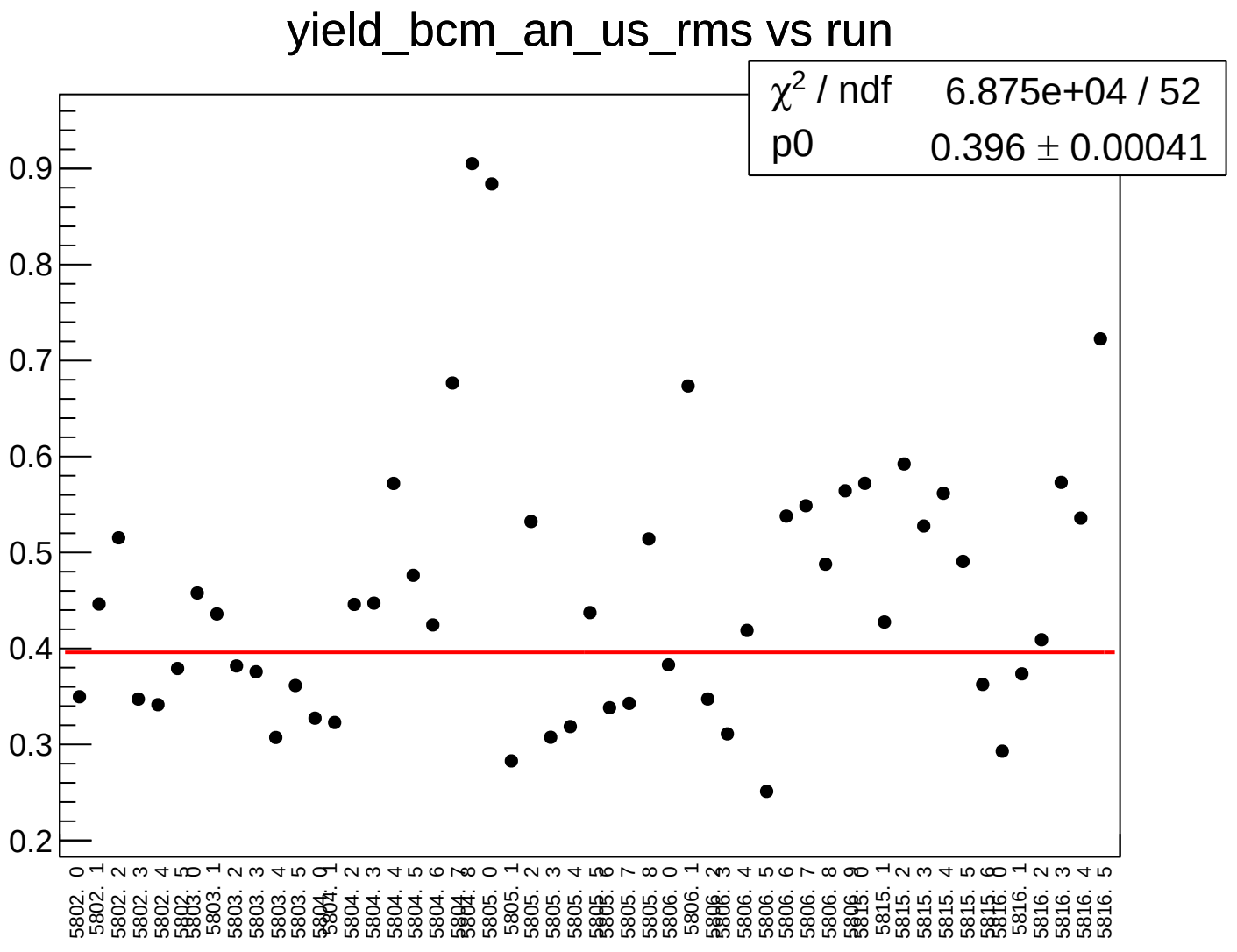

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.793e+05 / 52
p0 155 ± 0.0005781
155.4
155.2
155
154.8
154.6
154.4
pull
Entries 53
Mean 57.88
Std Dev 25.18
100
50
0
−50
−100

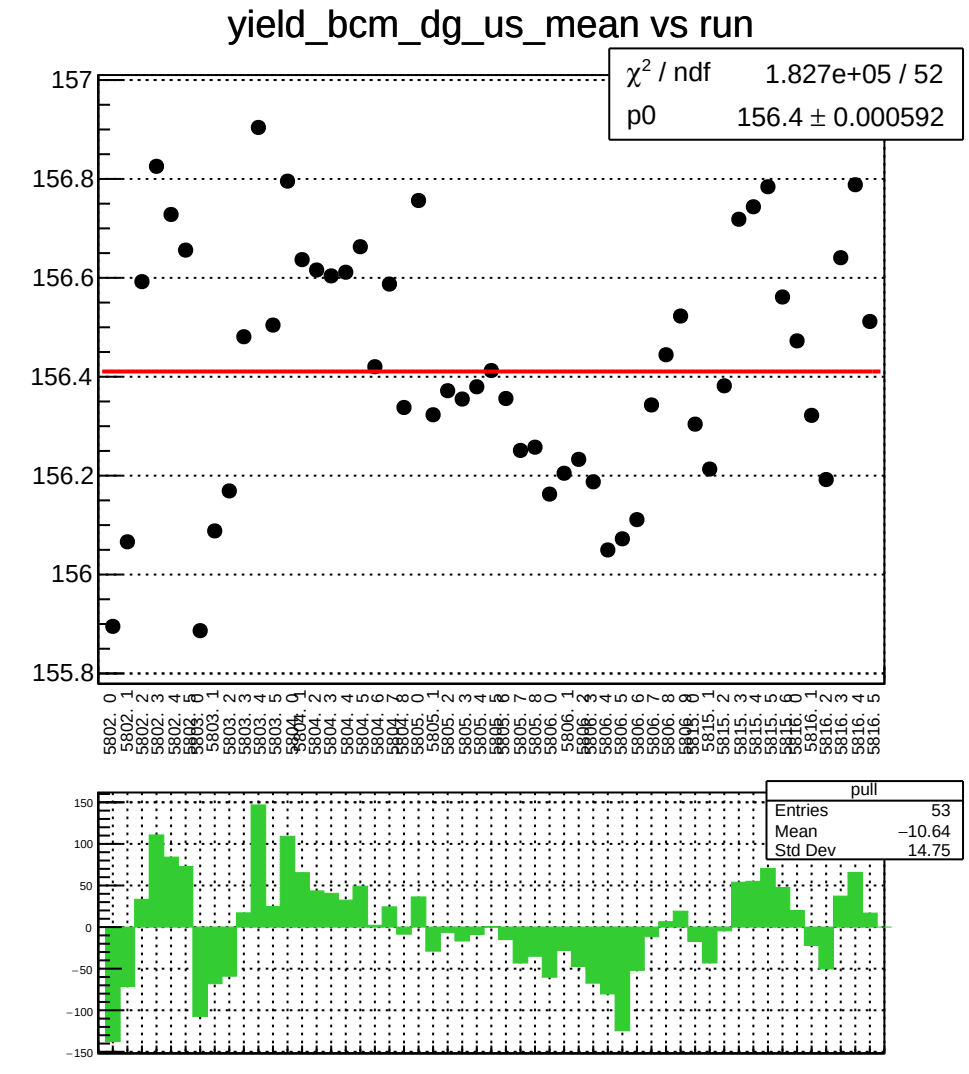

pull1D
Entries 53
Mean −3.465
Std Dev 3.902
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

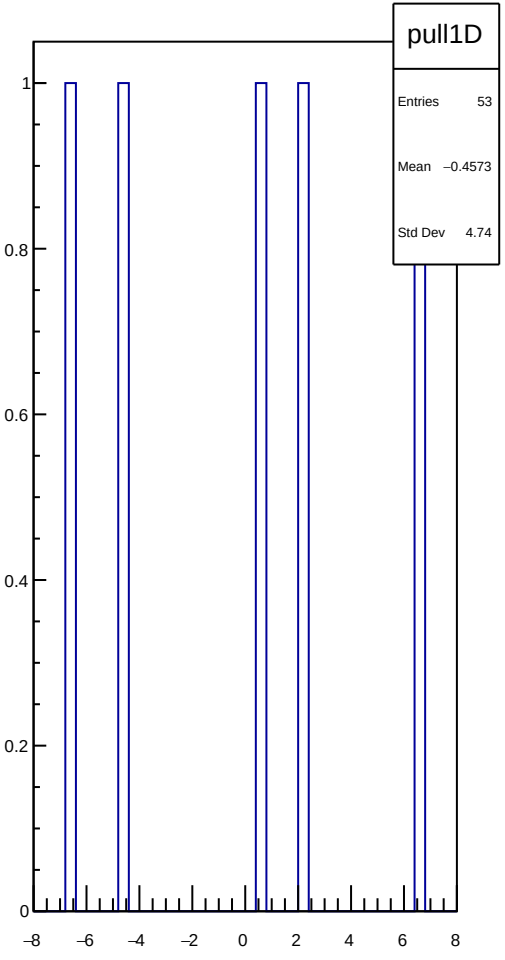

yield_bcm_an_ds3_rms vs run
χ² / ndf 6.873e+04 / 52
p0 0.3948 ± 0.0004087
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

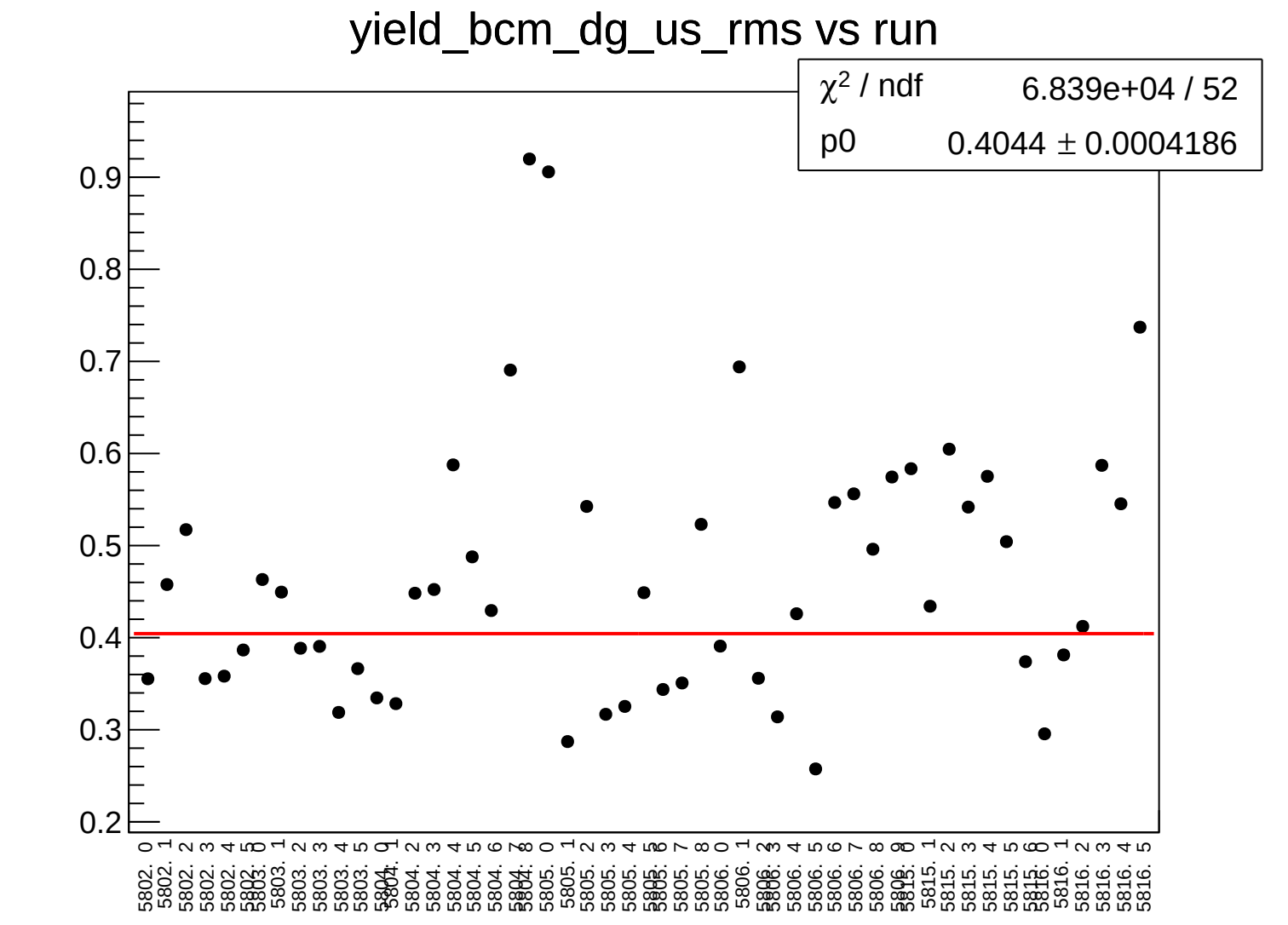

yield_bcm_an_us_mean vs run
χ² / ndf 1.761e+05 / 52
p0 154.9 ± 0.0005798
155.4
155.2
155
154.8
154.6
154.4
pull
Entries 53
Mean 36.87
Std Dev 39.33
100
50
0
−50
−100

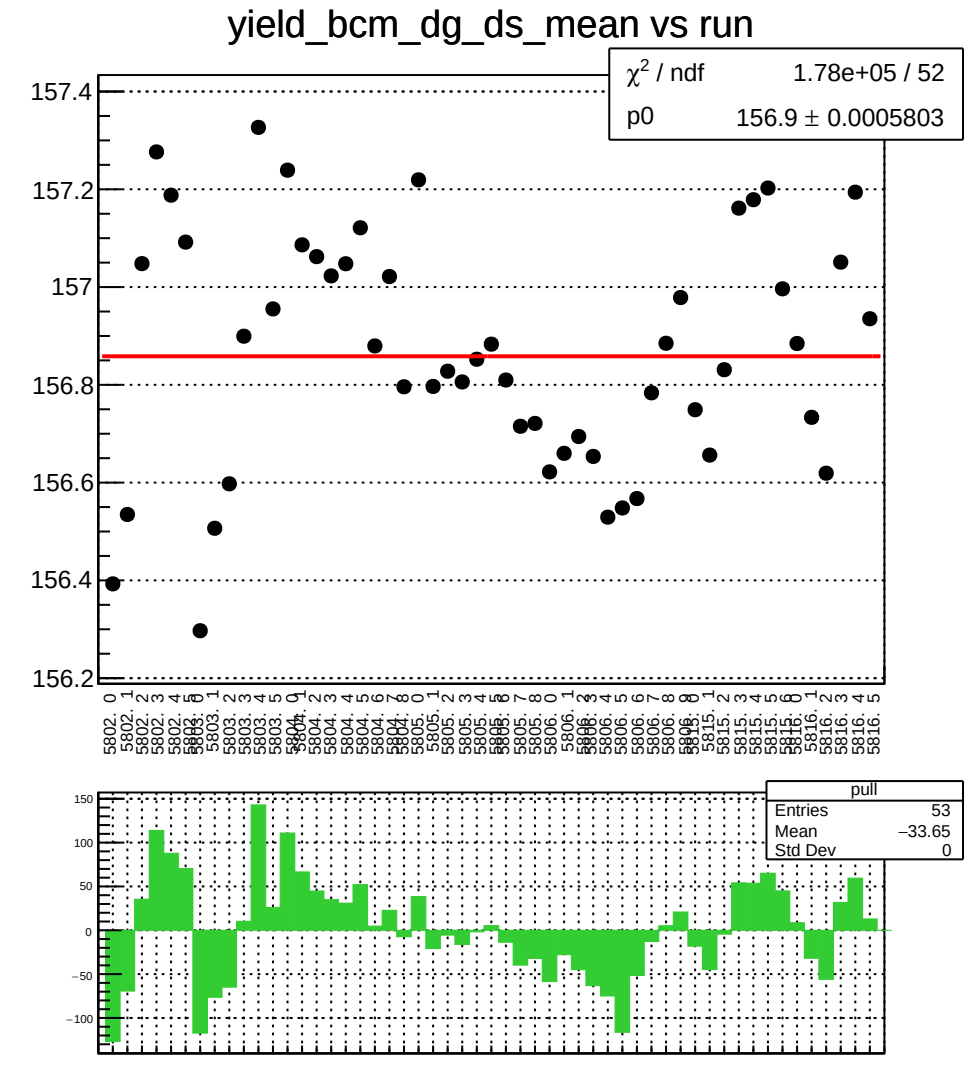

pull1D
Entries 53
Mean −0.09083
Std Dev 5.312
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

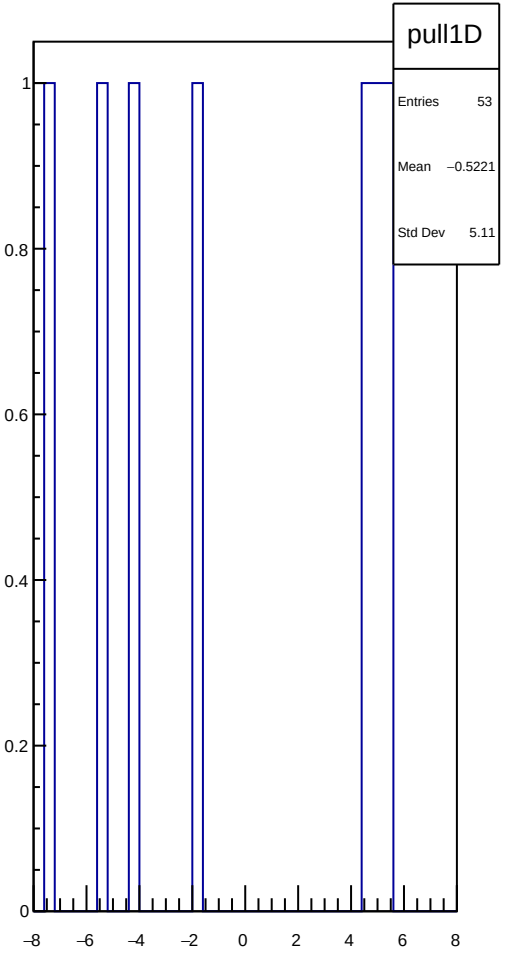

yield_bcm_an_us_rms vs run
χ² / ndf 6.875e+04 / 52
p0 0.396 ± 0.00041
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

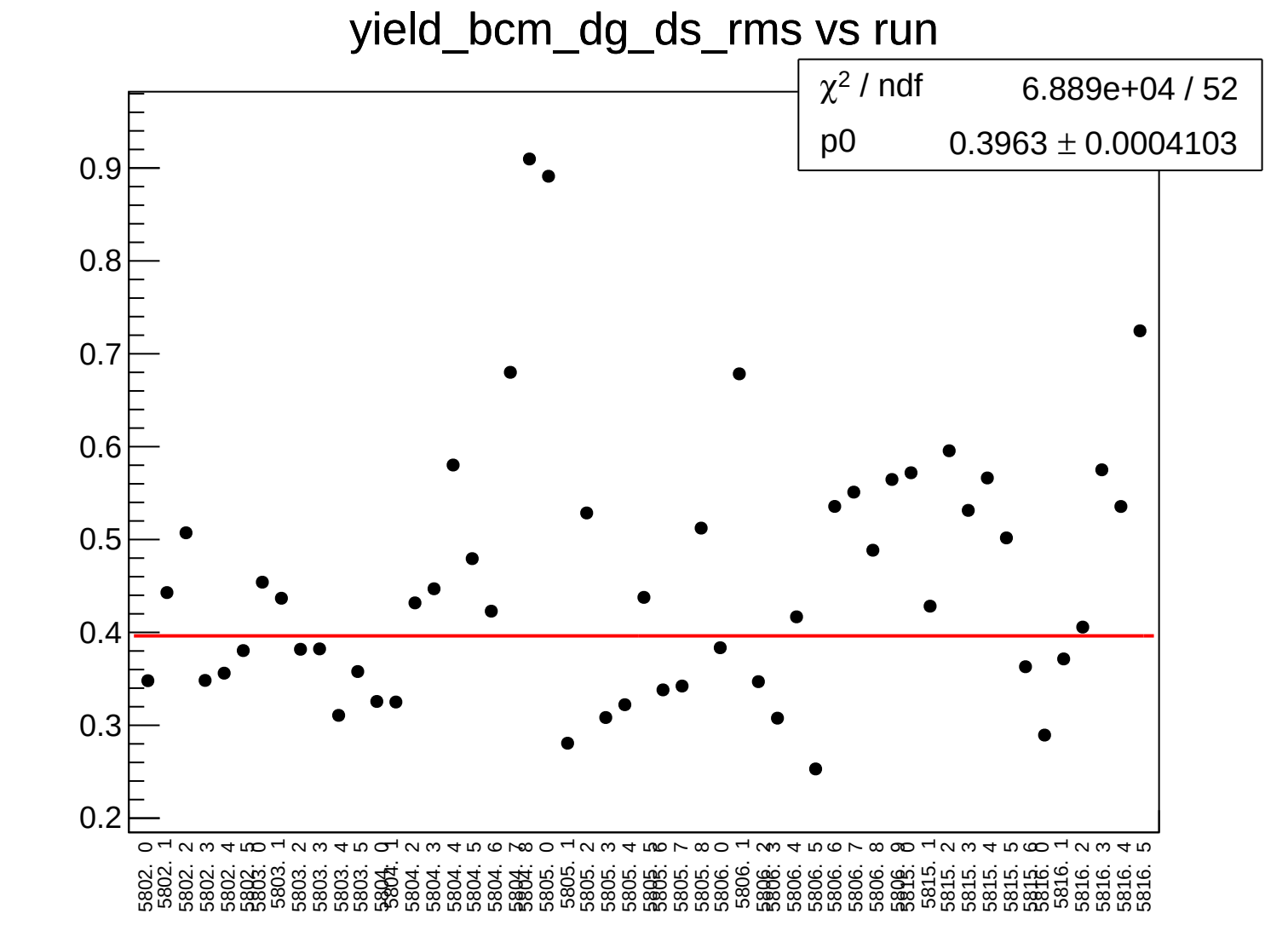

yield_bcm_dg_us_mean vs run
χ² / ndf 1.827e+05 / 52
p0 156.4 ± 0.000592
157
156.8
156.6
156.4
156.2
156
155.8
pull
Entries 53
Mean −10.64
Std Dev 14.75
150
100
50
0
−50
−100
−150


pull1D
Entries 53
Mean −0.4573
Std Dev 4.74
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 6.839e+04 / 52
p0 0.4044 ± 0.0004186
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


yield_bcm_dg_ds_mean vs run
χ² / ndf 1.78e+05 / 52
p0 156.9 ± 0.0005803
157.4
157.2
157
156.8
156.6
156.4
156.2
pull
Entries 53
Mean −33.65
Std Dev 0
150
100
50
0
−50
−100


pull1D
Entries 53
Mean −0.5221
Std Dev 5.11
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 6.889e+04 / 52
p0 0.3963 ± 0.0004103
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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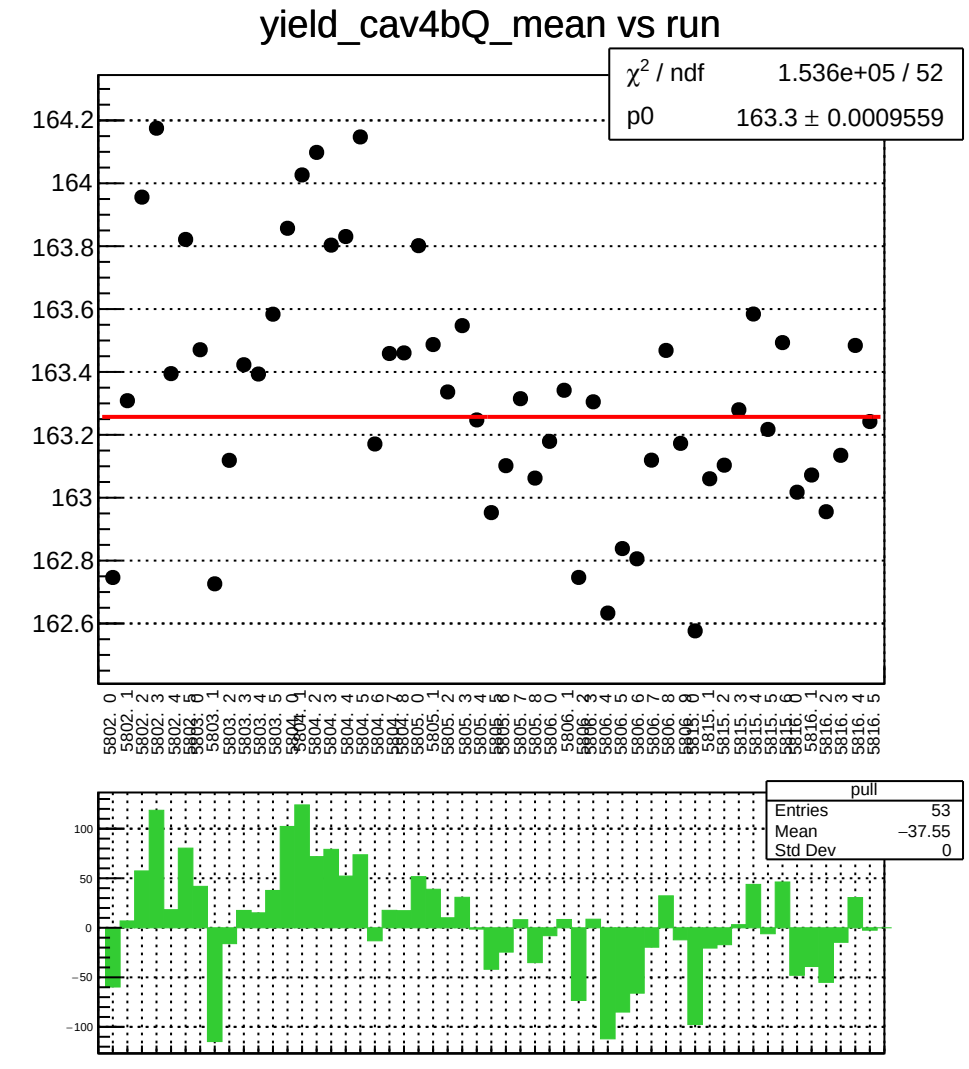
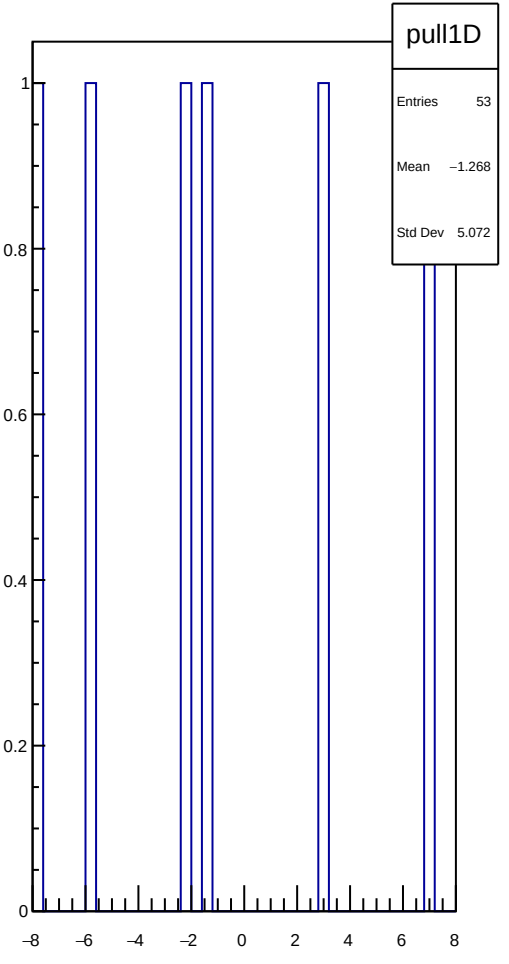
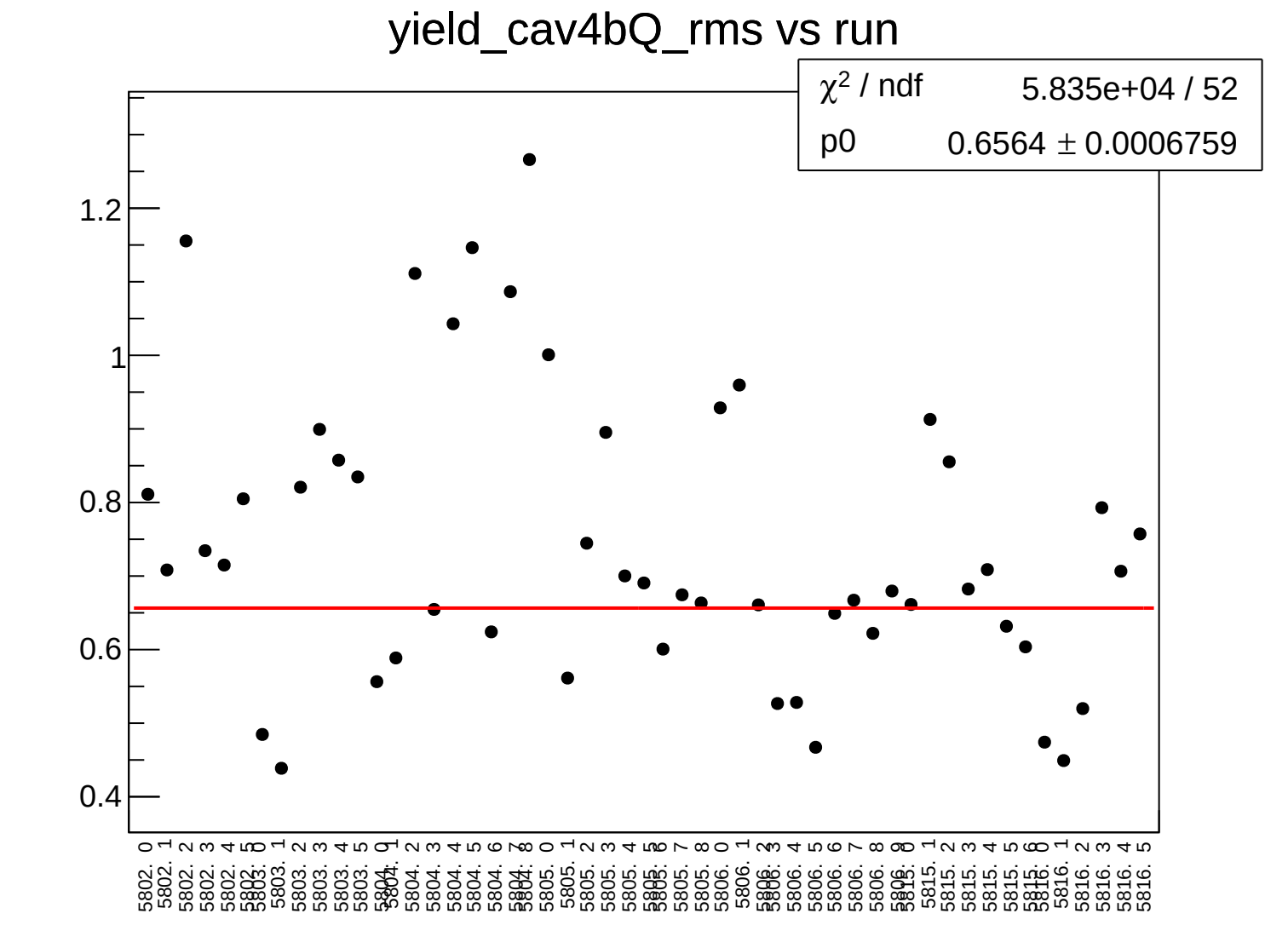
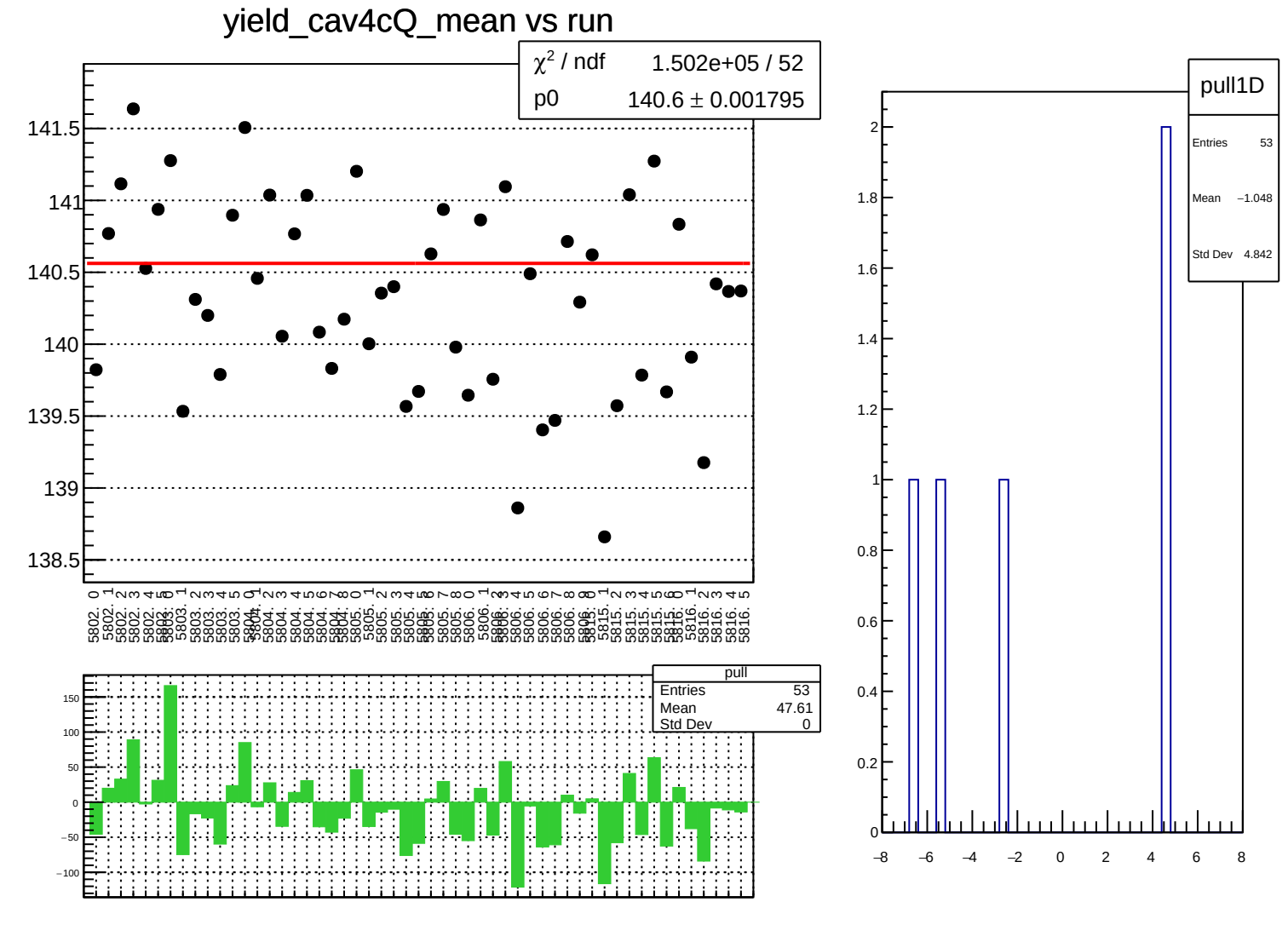
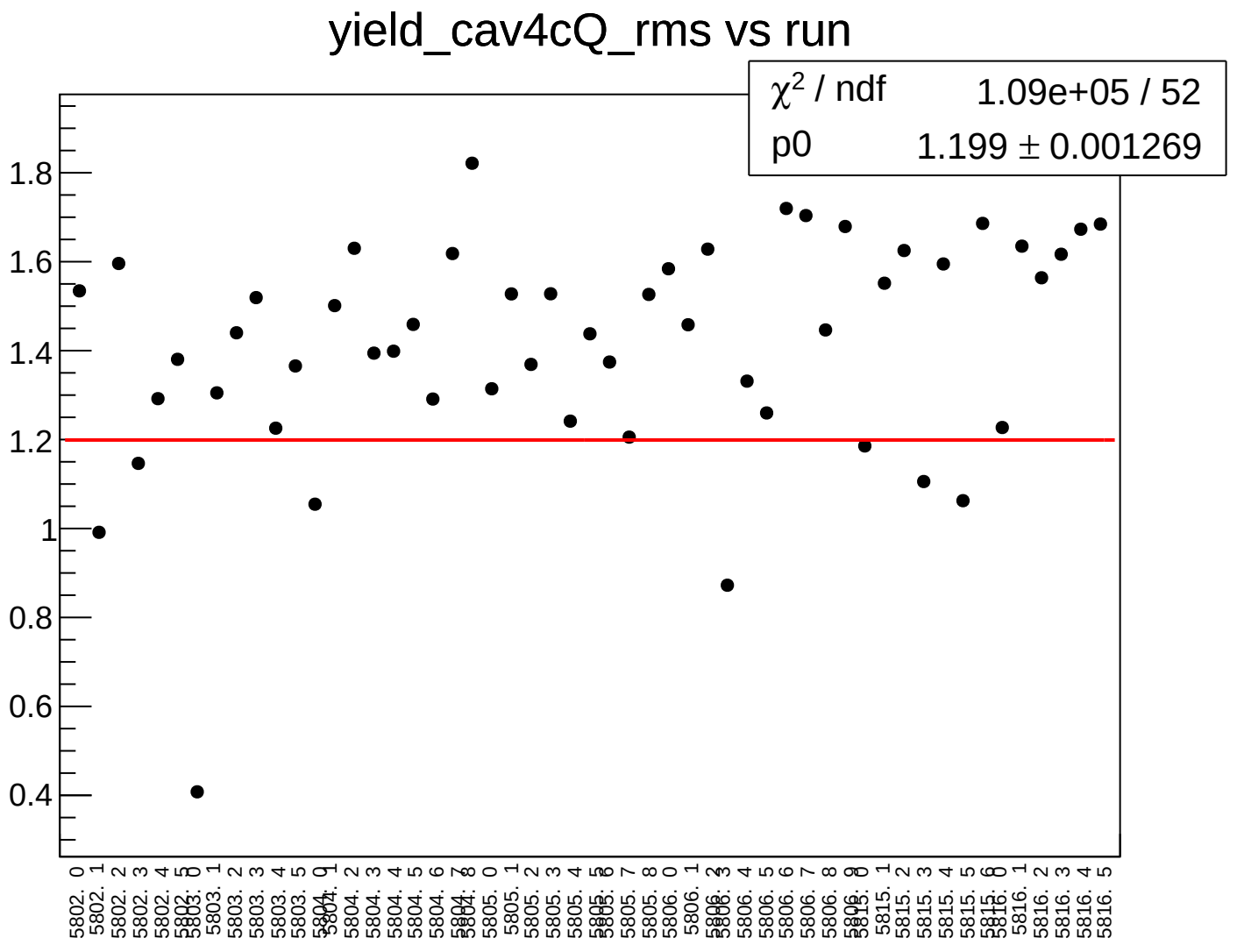
5816. 4
5816. 5

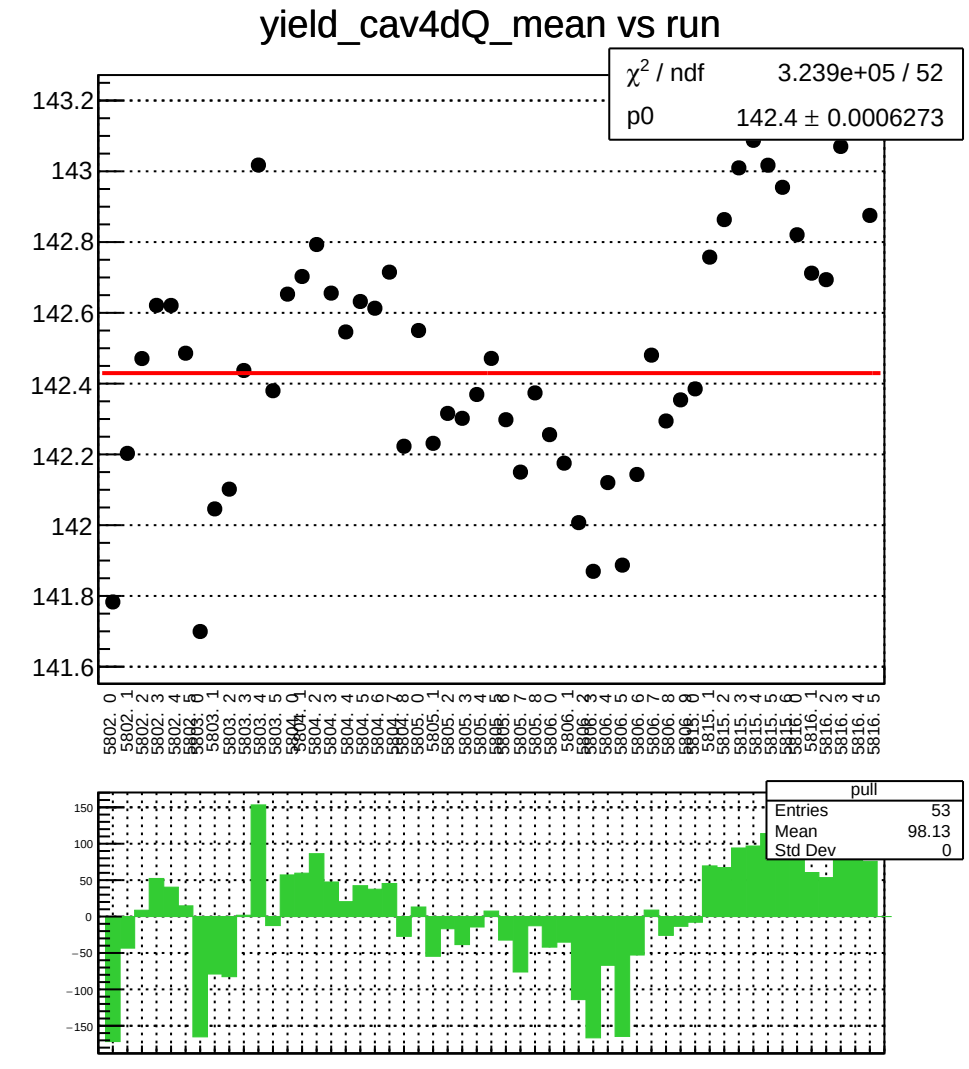

yield_cav4bQ_mean vs run
χ² / ndf 1.536e+05 / 52
p0 163.3 ± 0.0009559
164.2
164
163.8
163.6
163.4
163.2
163
162.8
162.6
pull
Entries 53
Mean −37.55
Std Dev 0
100
50
0
−50
−100

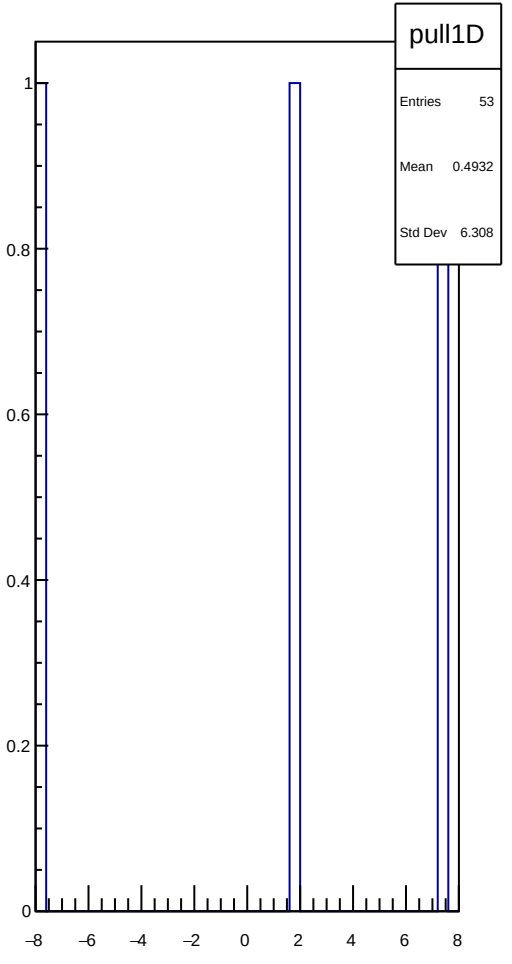

pull1D
Entries 53
Mean −1.268
Std Dev 5.072
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

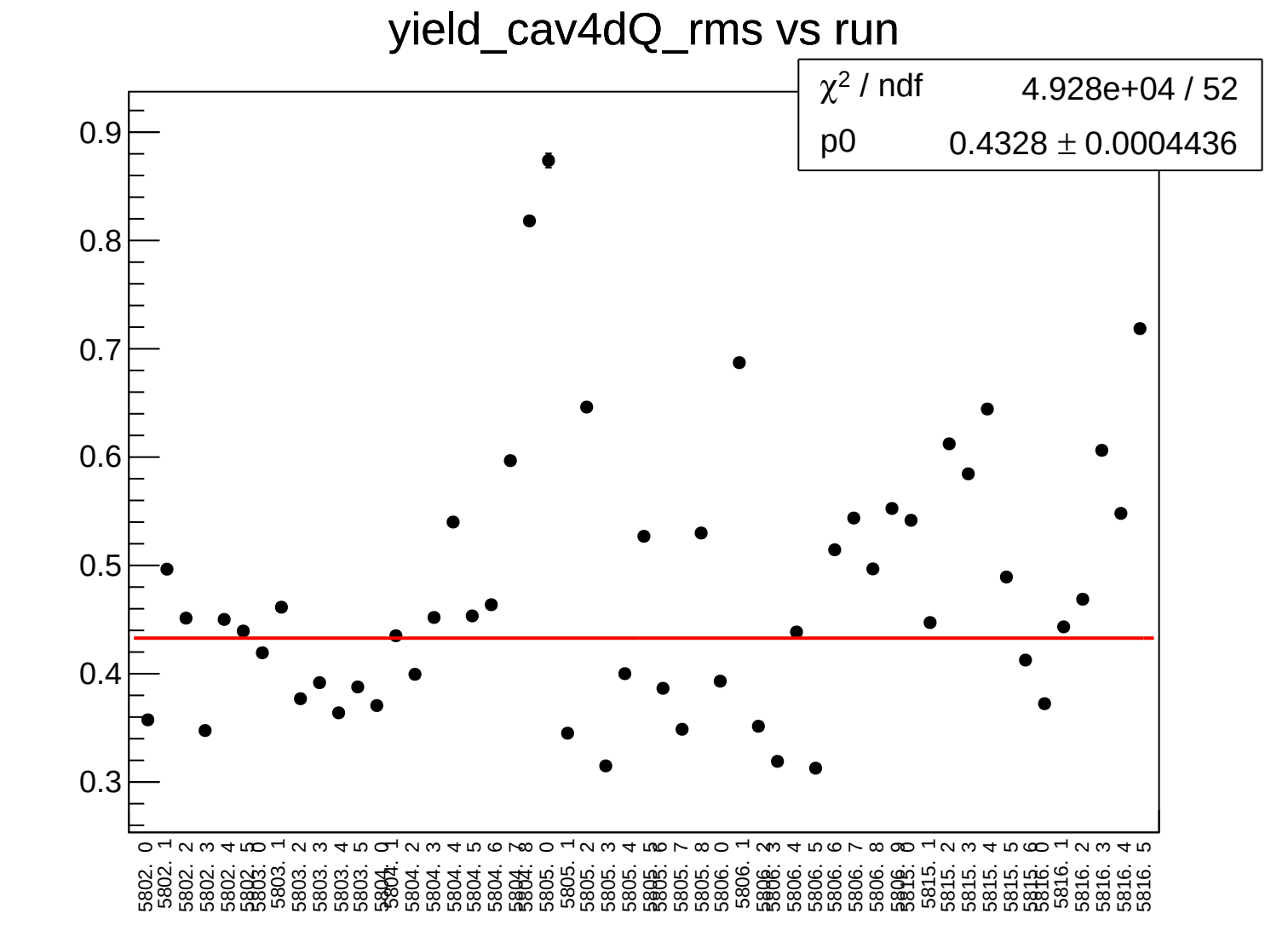

yield_cav4bQ_rms vs run
χ² / ndf 5.835e+04 / 52
p0 0.6564 ± 0.0006759
1.2
1
0.8
0.6
0.4

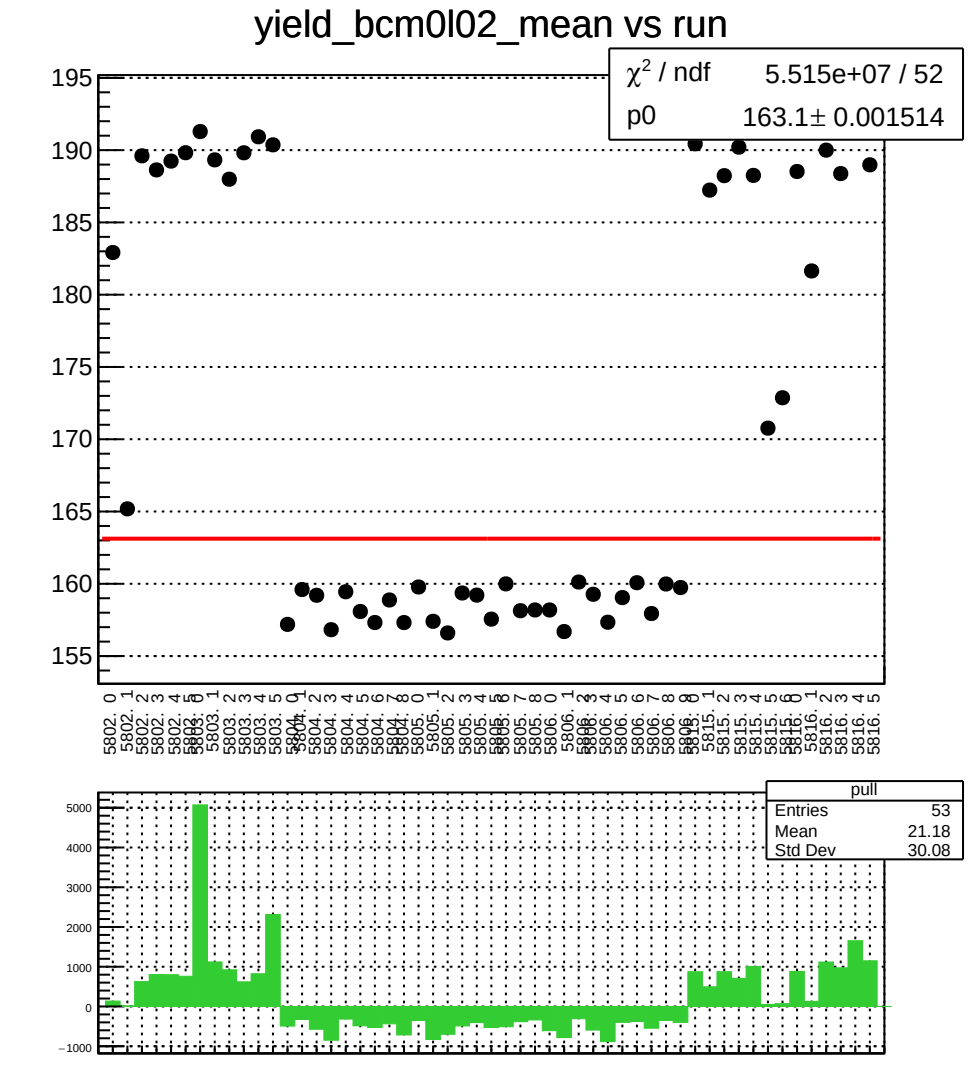

yield_cav4cQ_mean vs run
χ² / ndf 1.502e+05 / 52
p0 140.6 ± 0.001795
141.5
141
140.5
140
139.5
139
138.5
pull
Entries 53
Mean 47.61
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 53
Mean −1.048
Std Dev 4.842
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

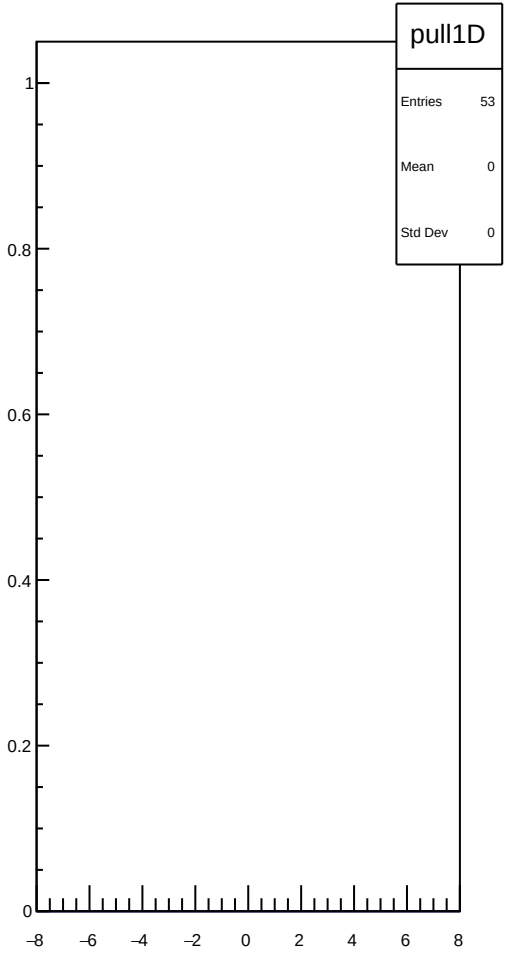

yield_cav4cQ_rms vs run
χ² / ndf 1.09e+05 / 52
p0 1.199 ± 0.001269
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

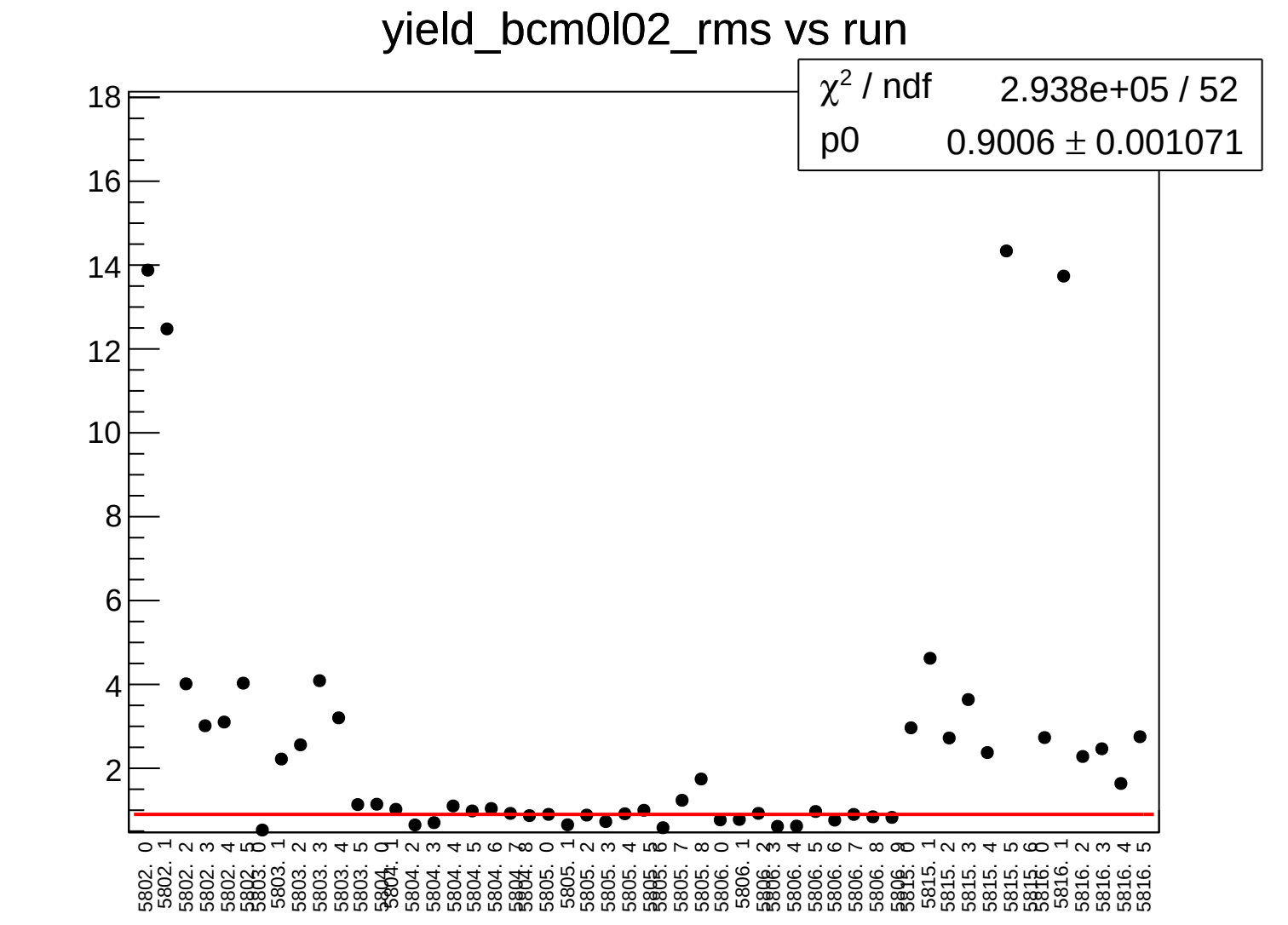

yield_cav4dQ_mean vs run
χ² / ndf 3.239e+05 / 52
p0 142.4 ± 0.0006273
143.2
143
142.8
142.6
142.4
142.2
142
141.8
141.6
pull
Entries 53
Mean 98.13
Std Dev 0
150
100
50
0
−50
−100
−150

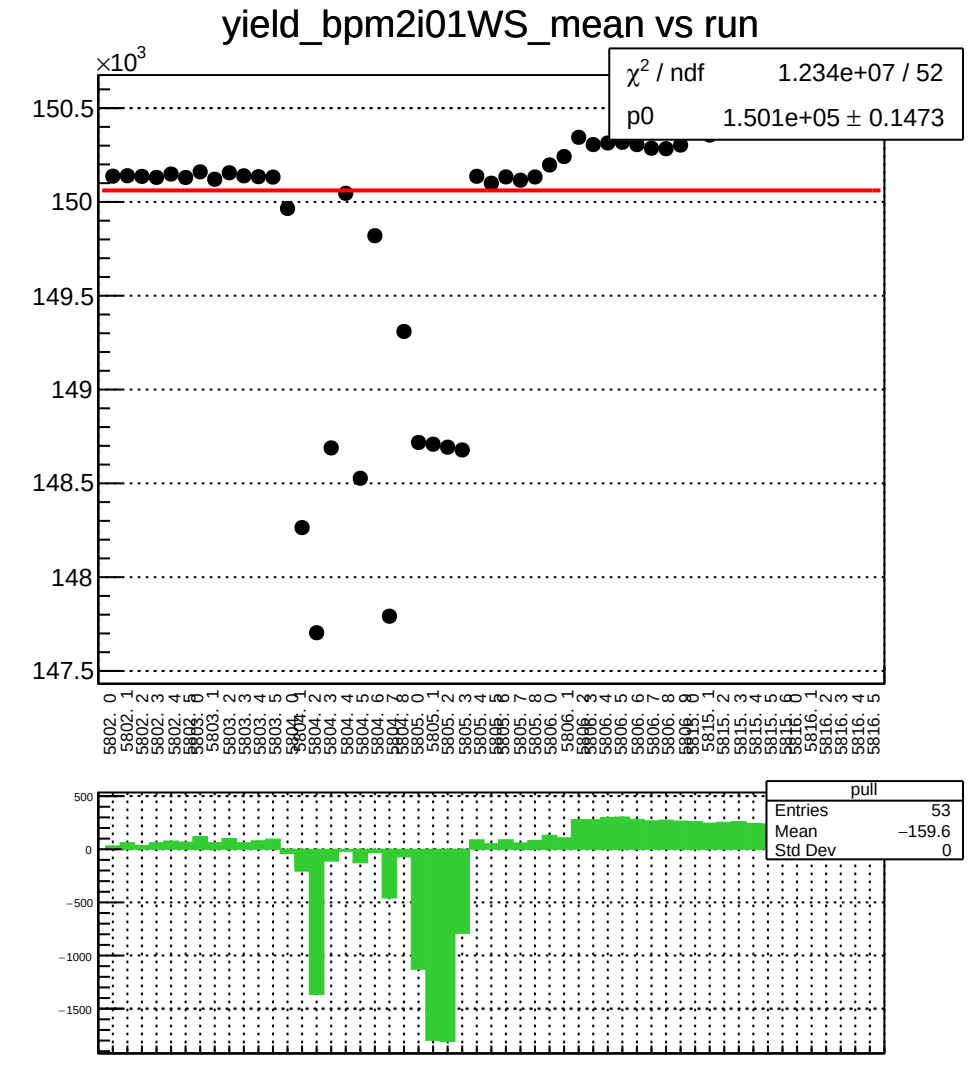

pull1D
Entries 53
Mean 0.4932
Std Dev 6.308
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

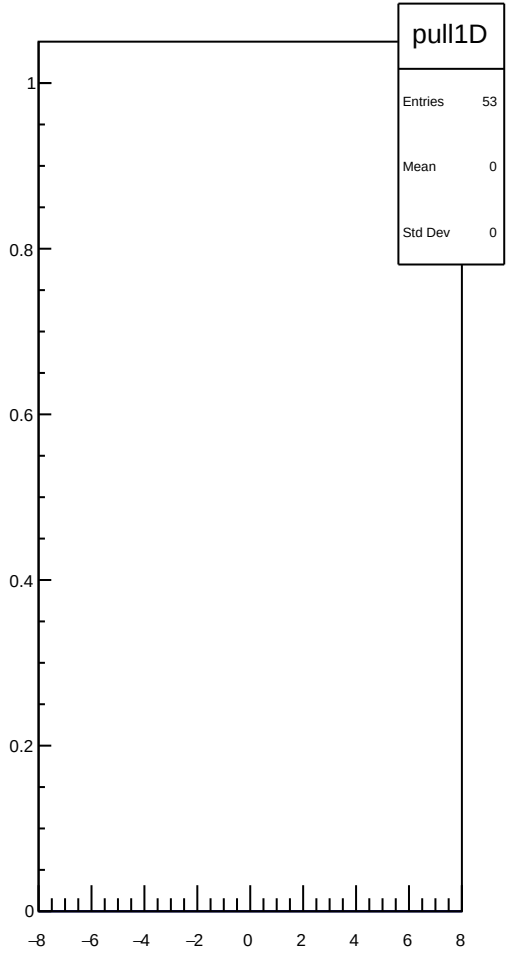

yield_cav4dQ_rms vs run
χ² / ndf 4.928e+04 / 52
p0 0.4328 ± 0.0004436
0.9
0.8
0.7
0.6
0.5
0.4
0.3

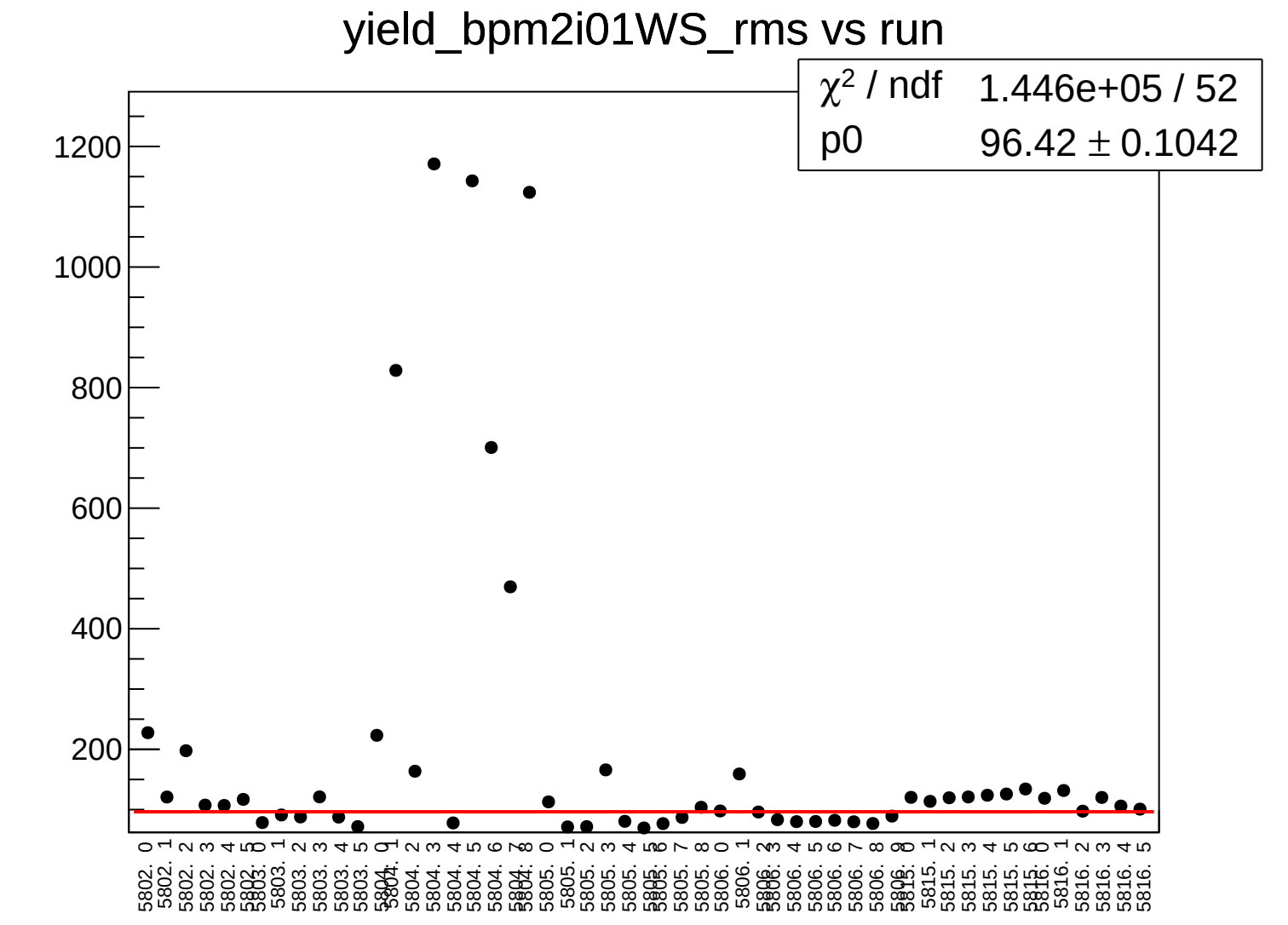

yield_bcm0l02_mean vs run
χ² / ndf 5.515e+07 / 52
p0 163.1± 0.001514
195
190
185
180
175
170
165
160
155
pull
Entries 53
Mean 21.18
Std Dev 30.08
5000
4000
3000
2000
1000
0
−1000

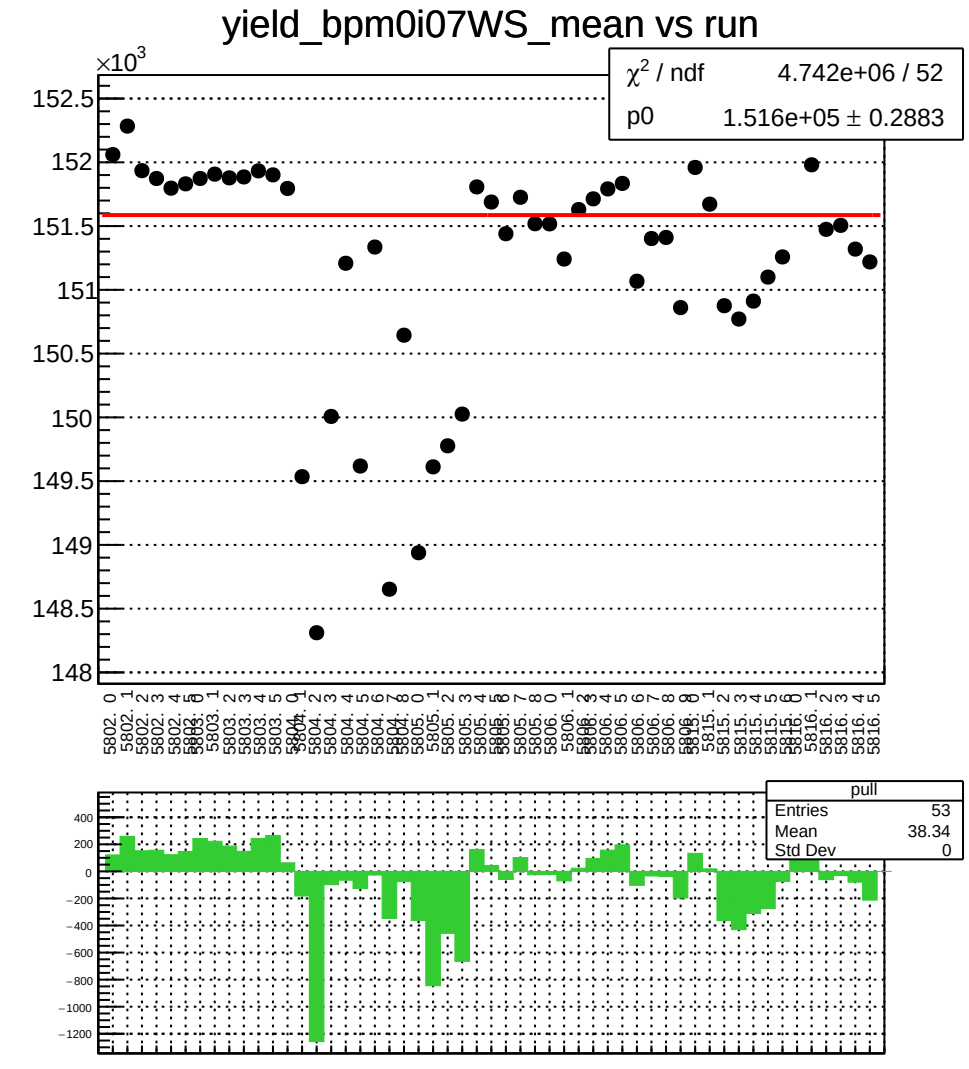

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

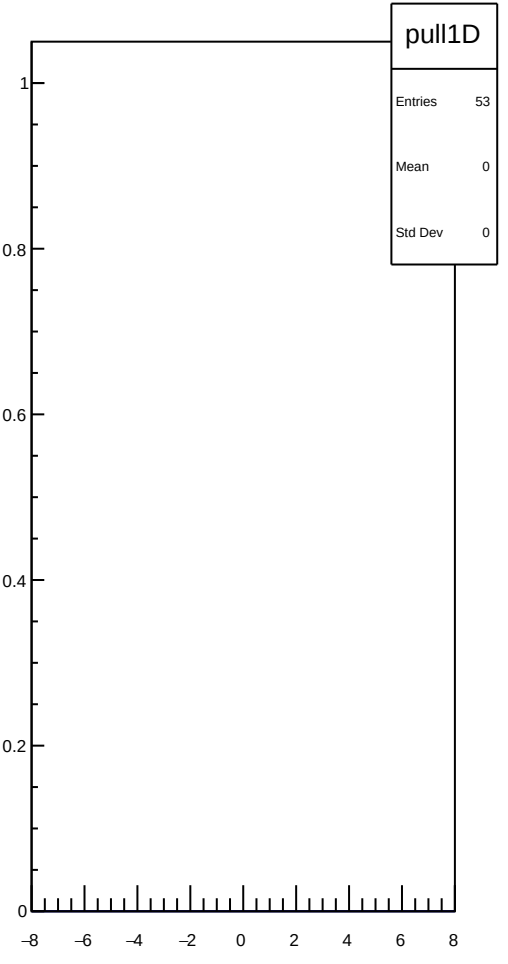

yield_bcm0l02_rms vs run
χ^2 / ndf 2.938e+05 / 52
p0 0.9006 ± 0.001071
18
16
14
12
10
8
6
4
2

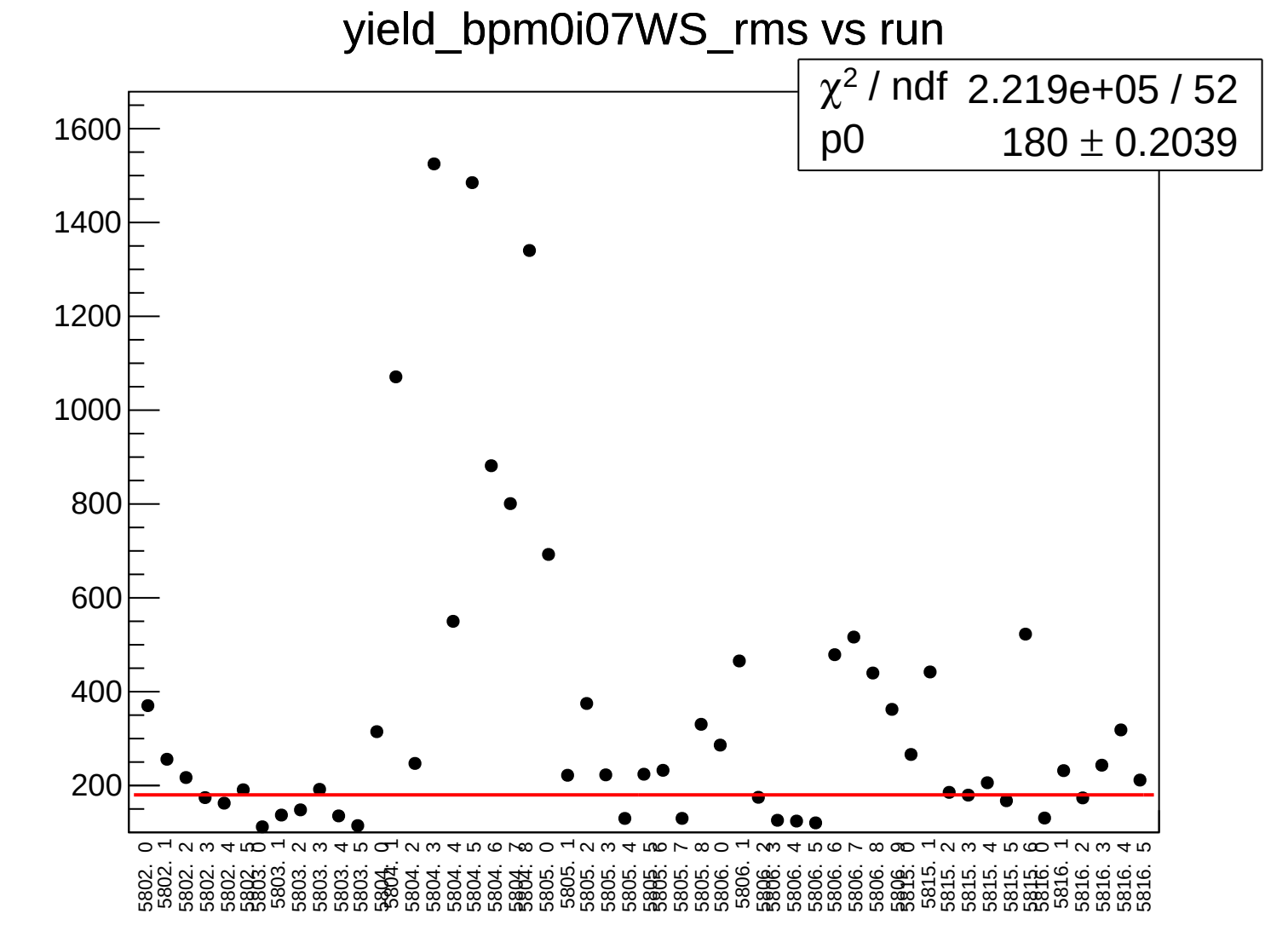

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.234e+07 / 52
p0 1.501e+05 ± 0.1473
150.5
150
149.5
149
148.5
148
147.5
pull
Entries 53
Mean −159.6
Std Dev 0
500
0
−500
−1000
−1500

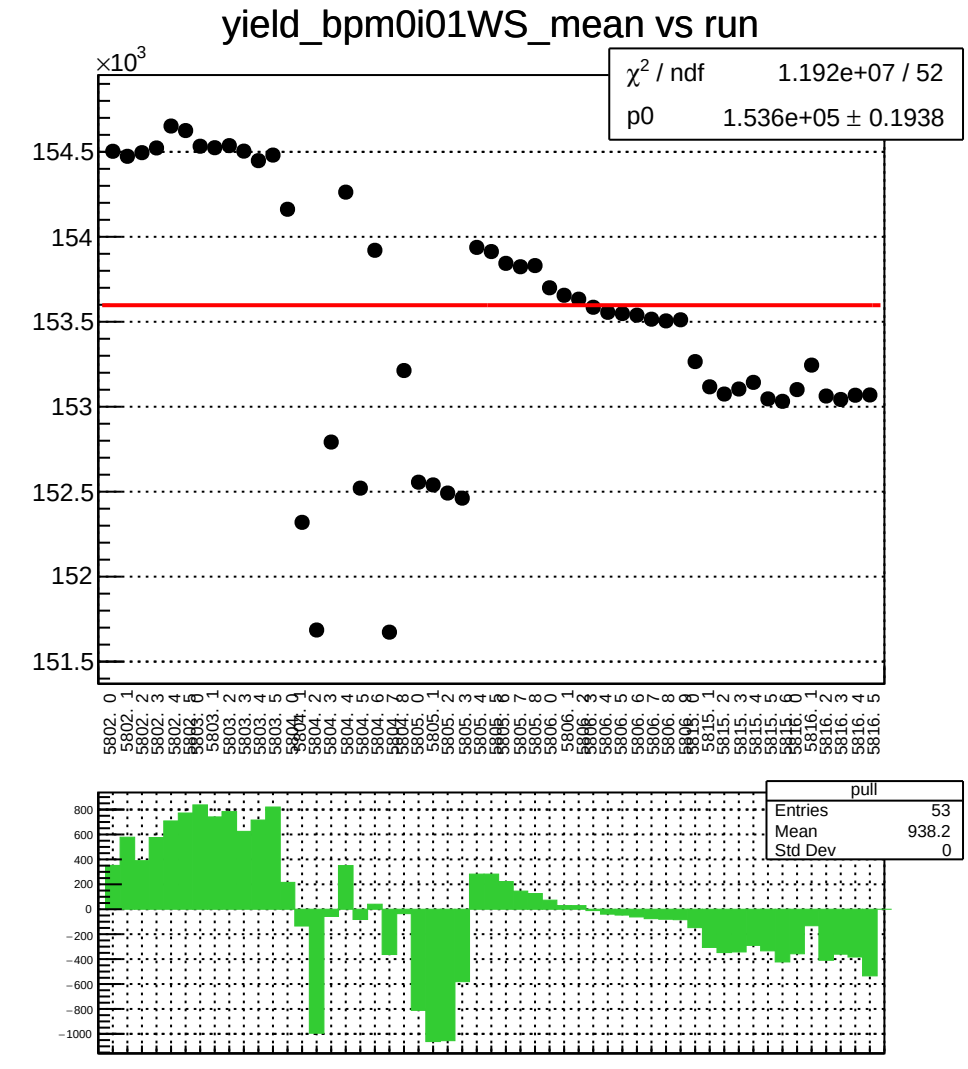

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

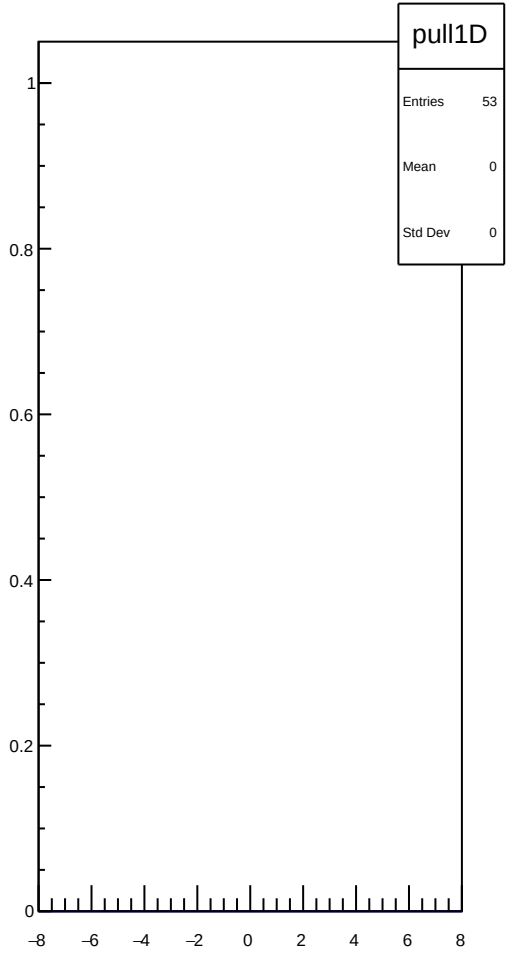

yield_bpm2i01WS_rms vs run
χ² / ndf 1.446e+05 / 52
p0 96.42 ± 0.1042
1200
1000
800
600
400
200

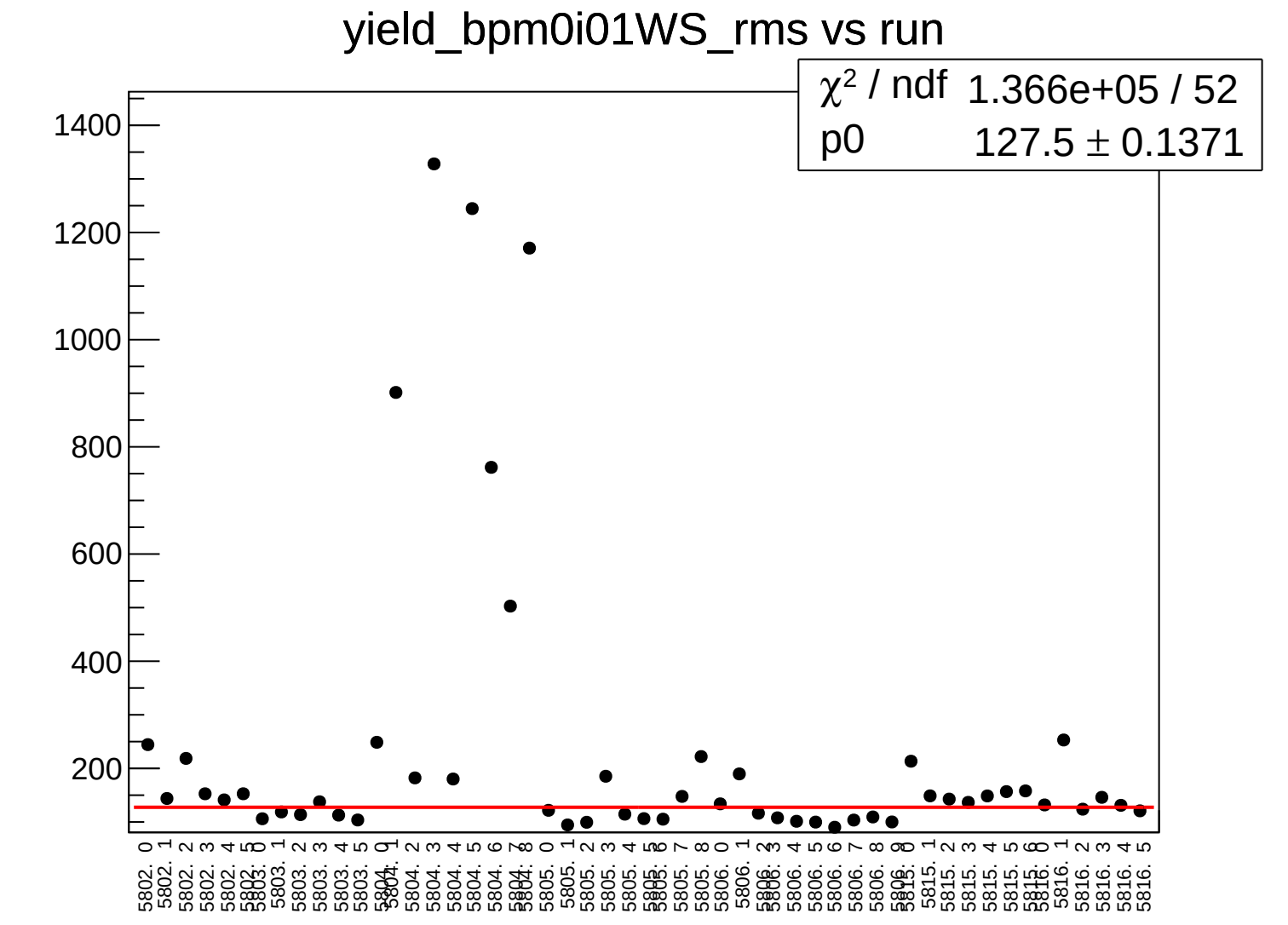

yield_bpm0i07WS_mean vs run
χ² / ndf 4.742e+06 / 52
p0 1.516e+05 ± 0.2883
×10³
pull
Entries 53
Mean 38.34
Std Dev 0

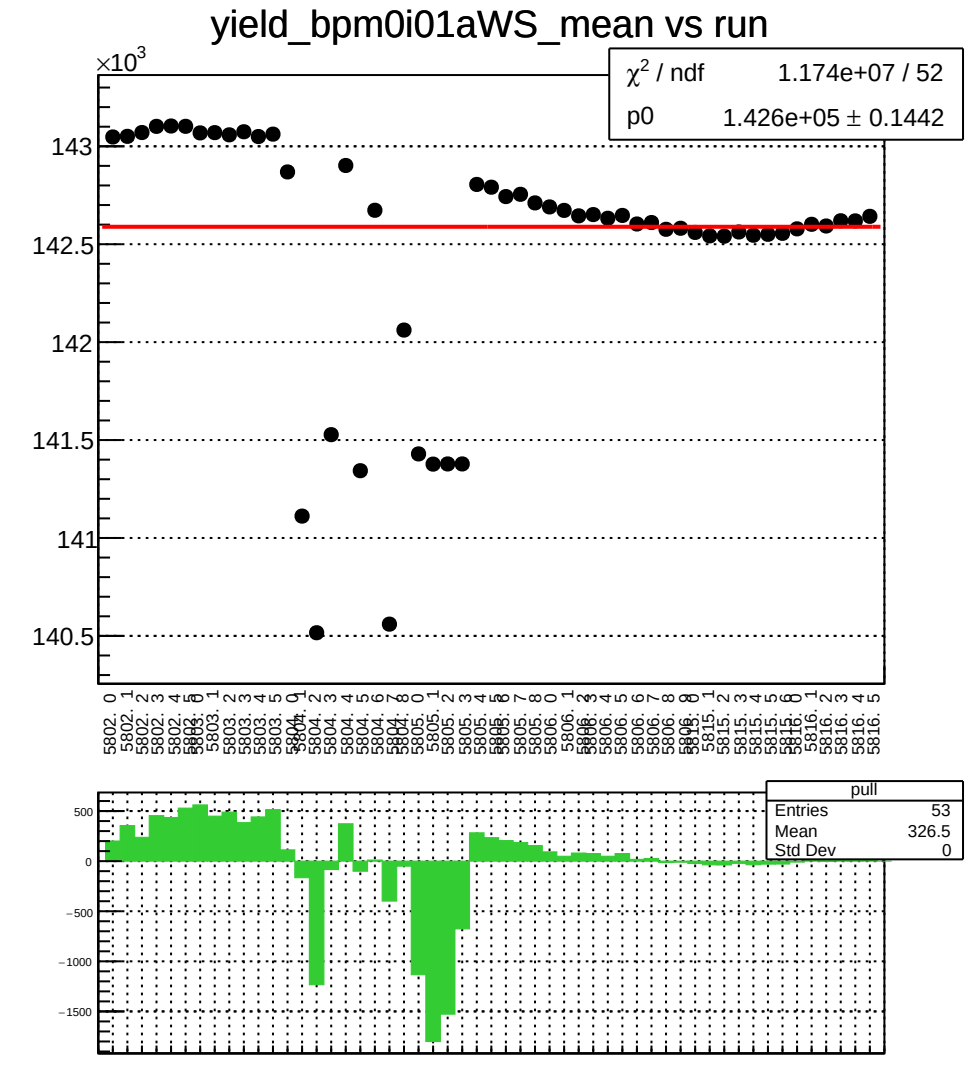

pull1D
Entries 53
Mean 0
Std Dev 0

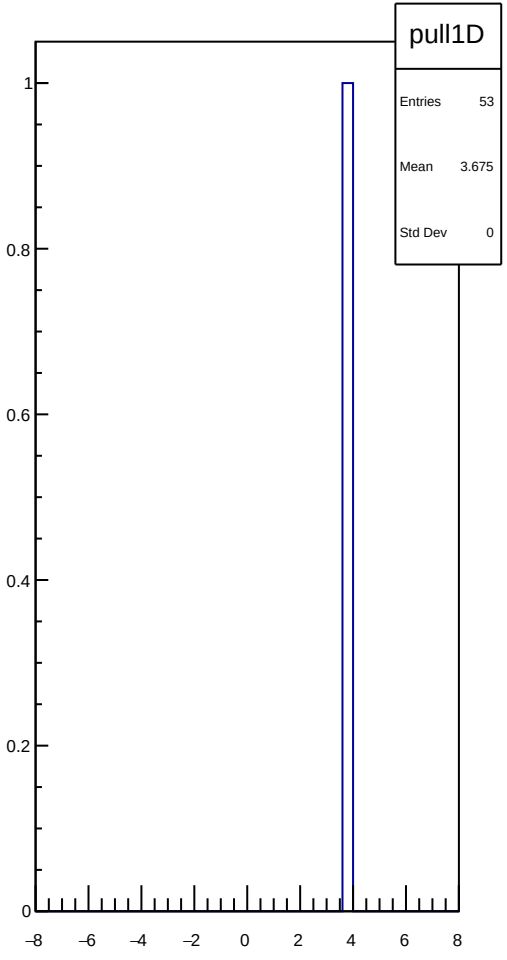

yield_bpm0i07WS_rms vs run
χ² / ndf 2.219e+05 / 52
p0 180 ± 0.2039
1600
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

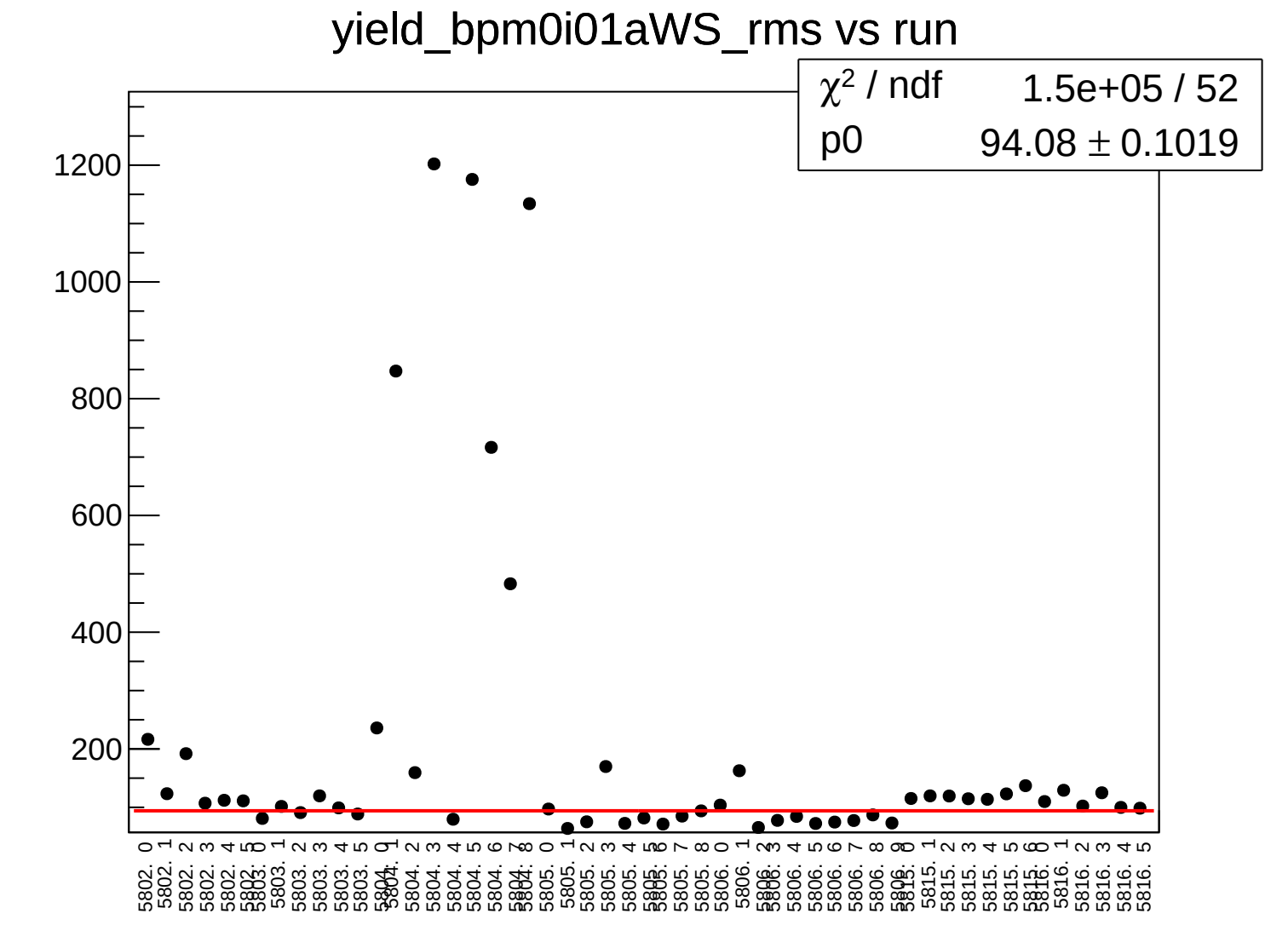

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.192e+07 / 52
p0 1.536e+05 ± 0.1938
154.5
154
153.5
153
152.5
152
151.5
pull
Entries 53
Mean 938.2
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

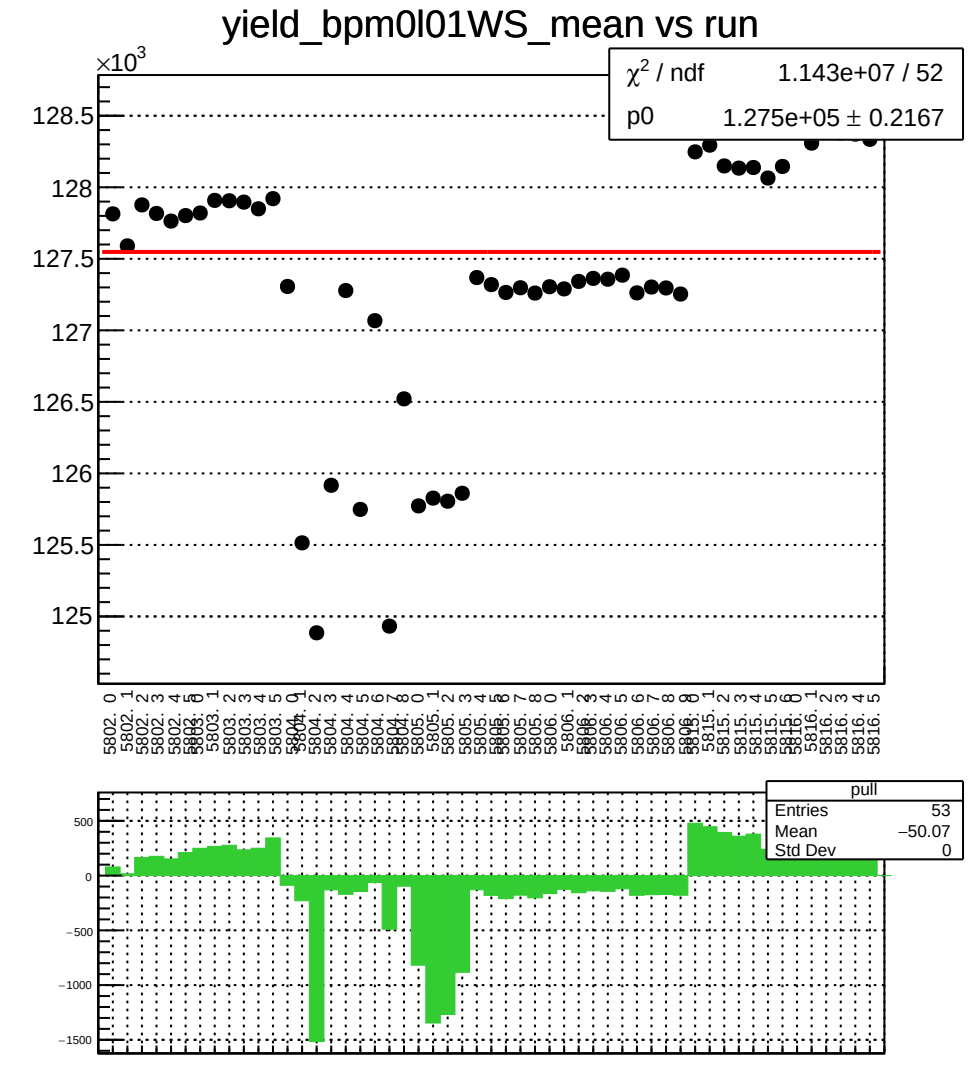

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

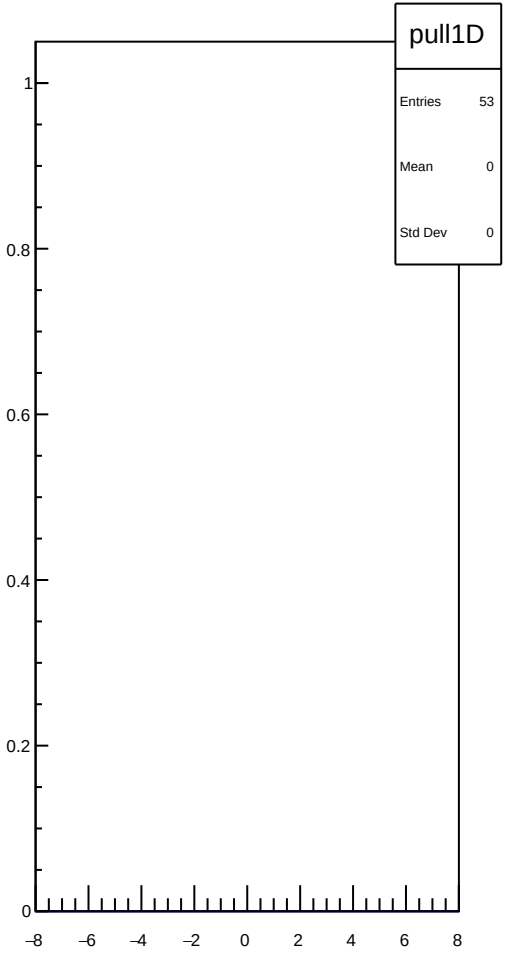

yield_bpm0i01WS_rms vs run
χ² / ndf 1.366e+05 / 52
p0 127.5 ± 0.1371
1400
1200
1000
800
600
400
200

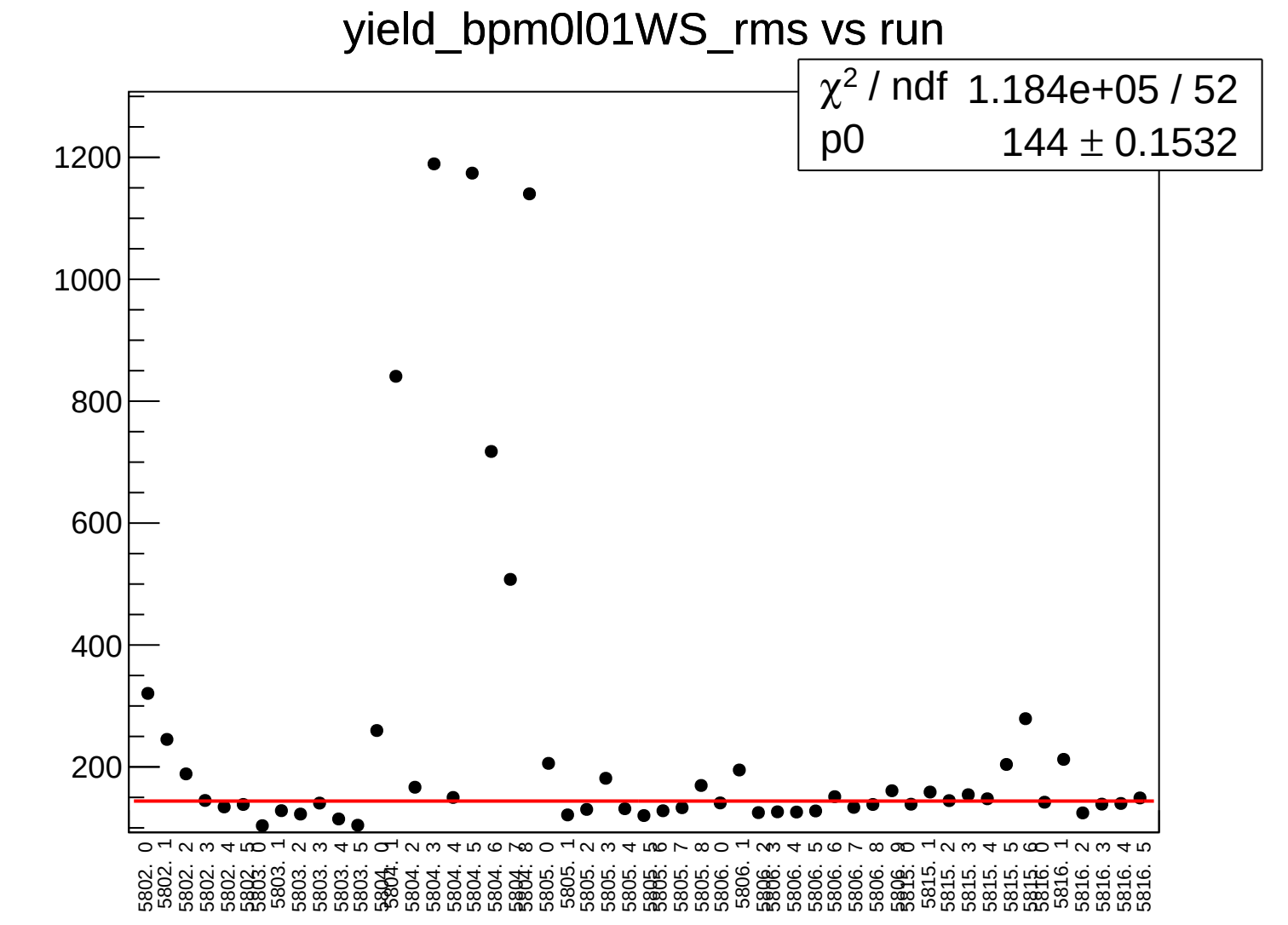

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.174e+07 / 52
p0 1.426e+05 ± 0.1442
143
142.5
142
141.5
141
140.5
pull
Entries 53
Mean 326.5
Std Dev 0
500
0
−500
−1000
−1500

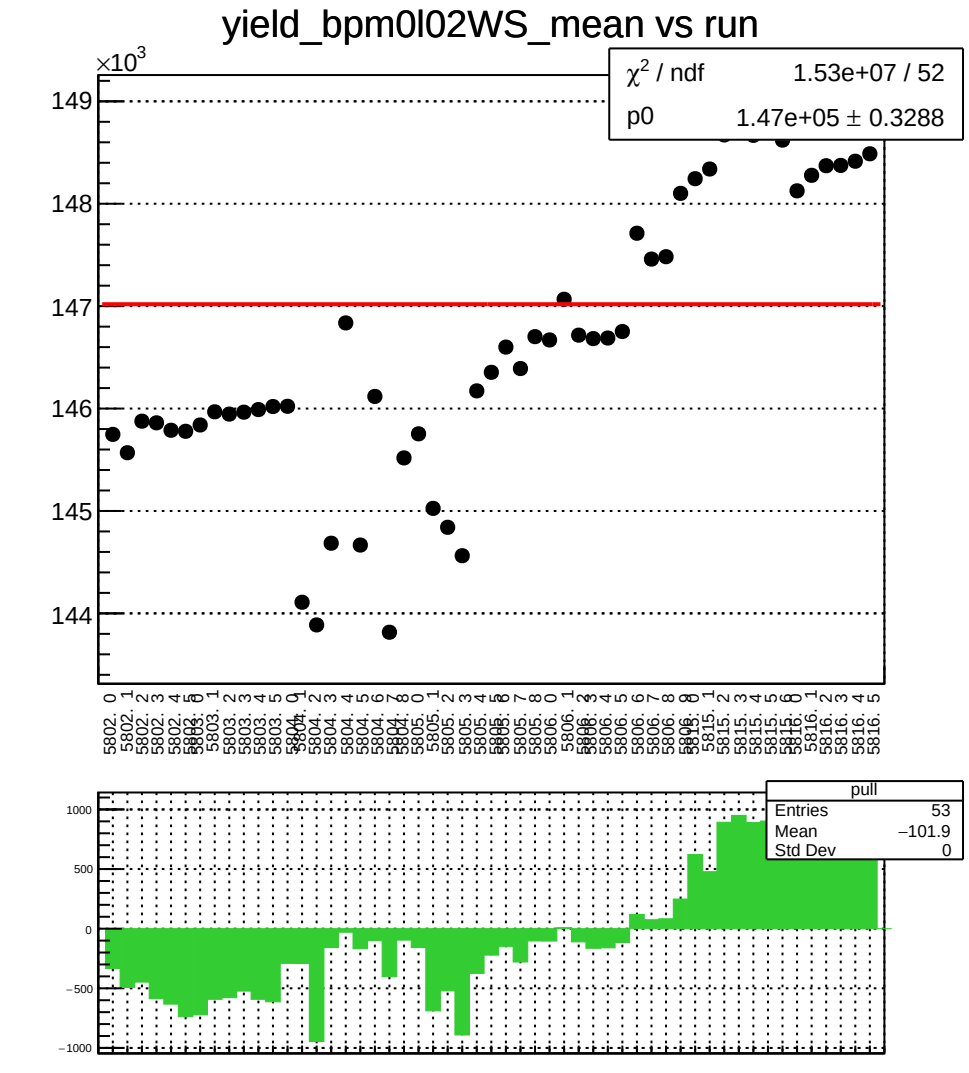

pull1D
Entries 53
Mean 3.675
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

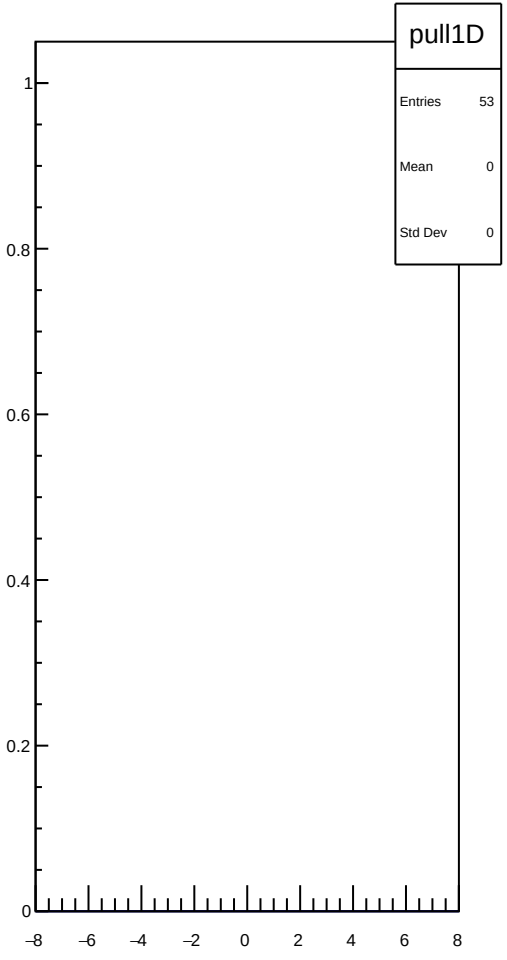

yield_bpm0i01aWS_rms vs run
χ² / ndf 1.5e+05 / 52
p0 94.08 ± 0.1019
1200
1000
800
600
400
200

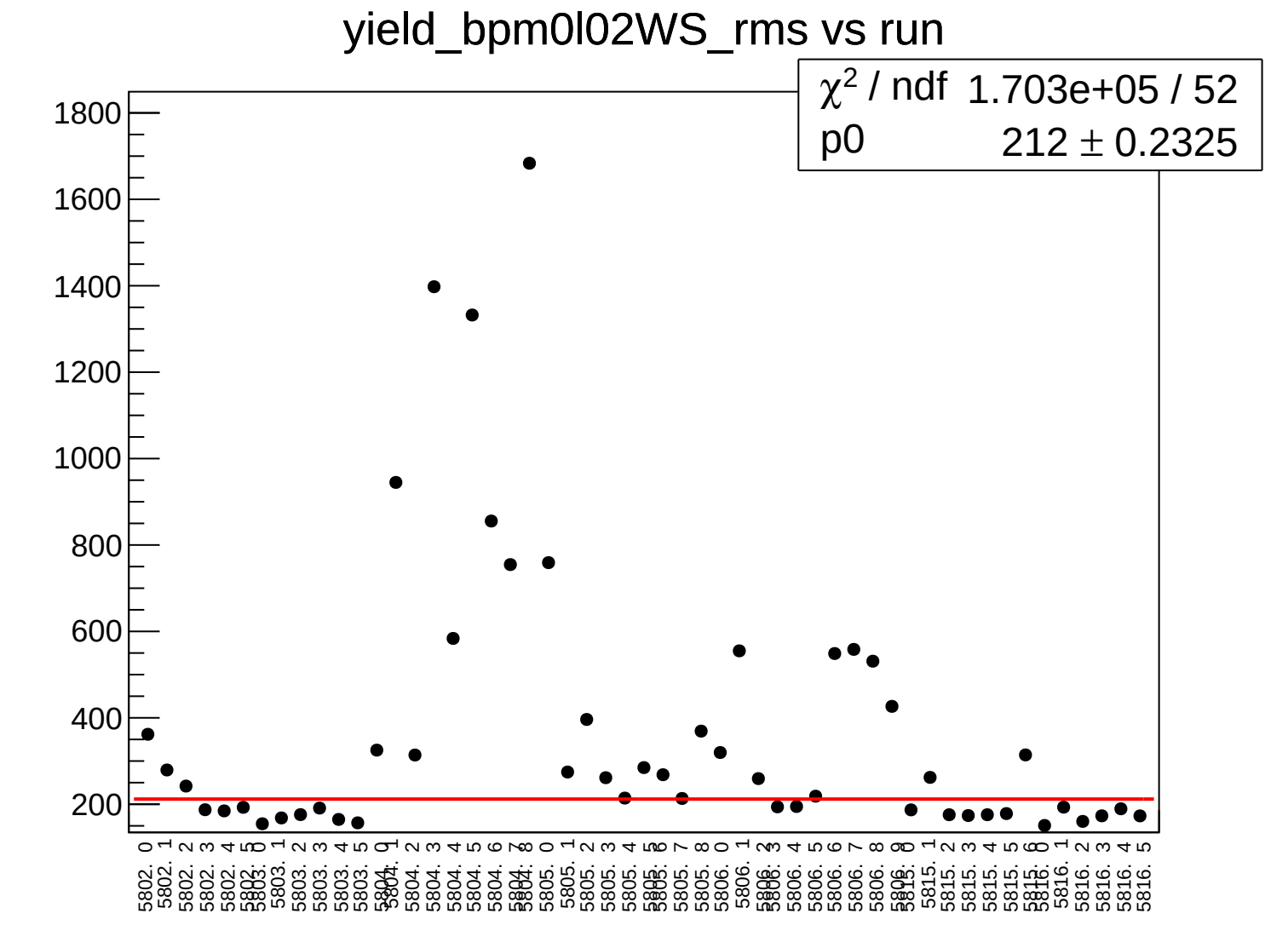

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 1.143e+07 / 52
p0 1.275e+05 ± 0.2167
128.5
128
127.5
127
126.5
126
125.5
125
pull
Entries 53
Mean −50.07
Std Dev 0
500
0
−500
−1000
−1500

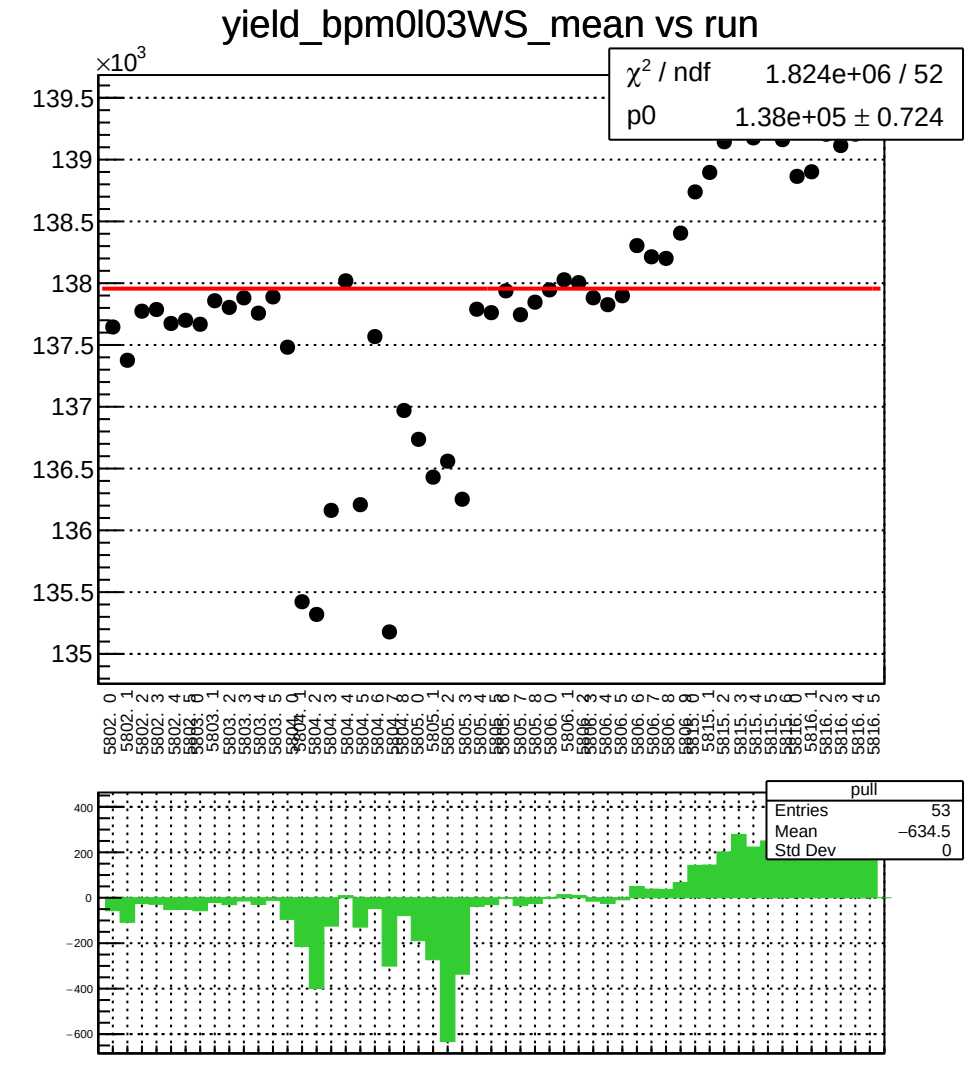

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

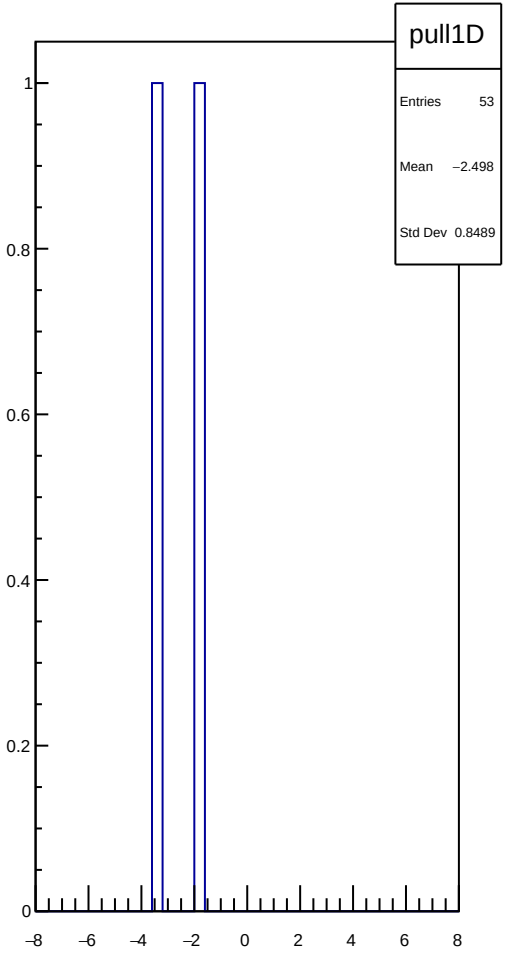

yield_bpm0l01WS_rms vs run
χ² / ndf 1.184e+05 / 52
p0 144 ± 0.1532
1200
1000
800
600
400
200

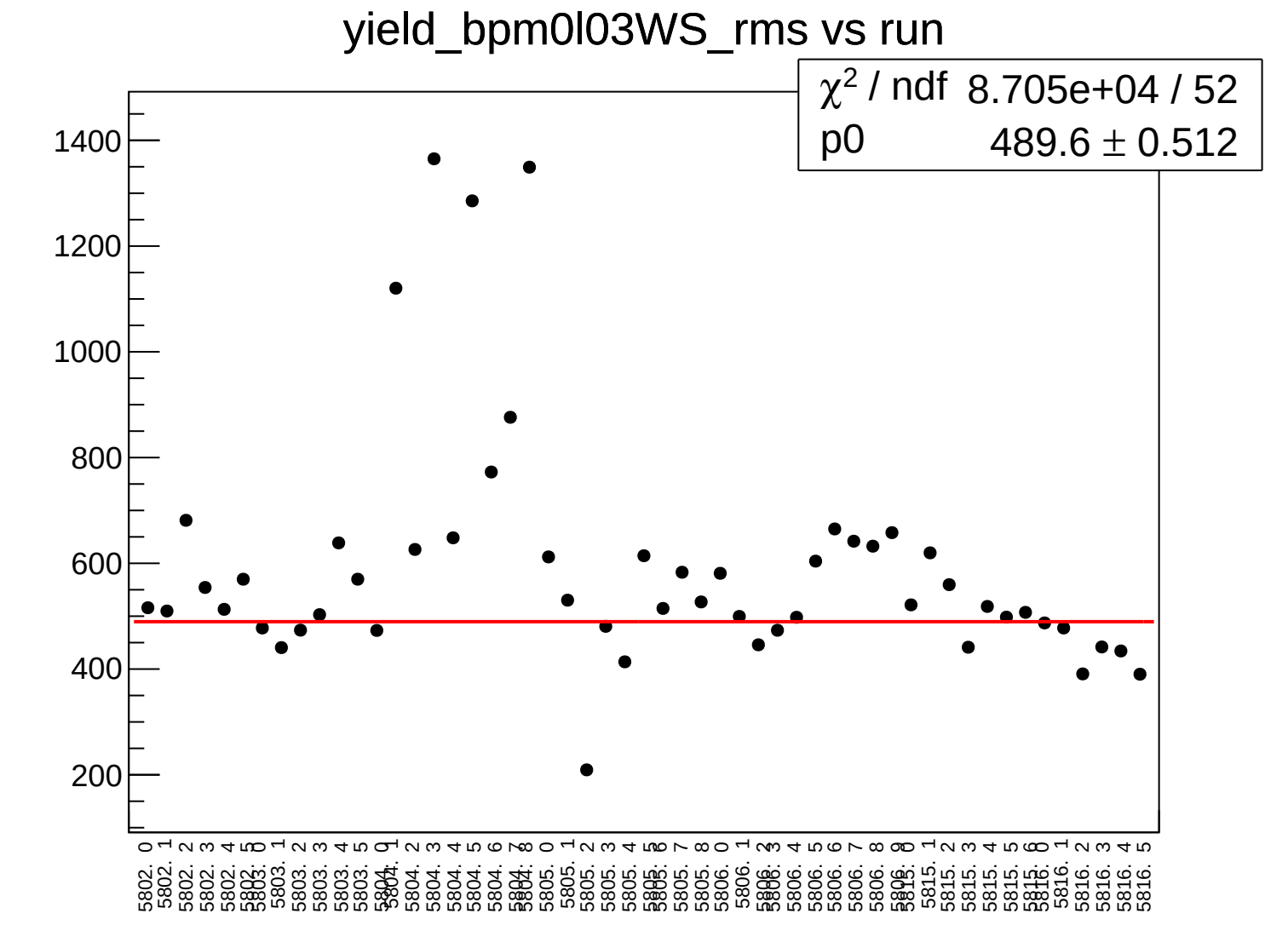

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 1.53e+07 / 52
p0 1.47e+05 ± 0.3288
149
148
147
146
145
144
pull
Entries 53
Mean −101.9
Std Dev 0
1000
500
0
−500
−1000

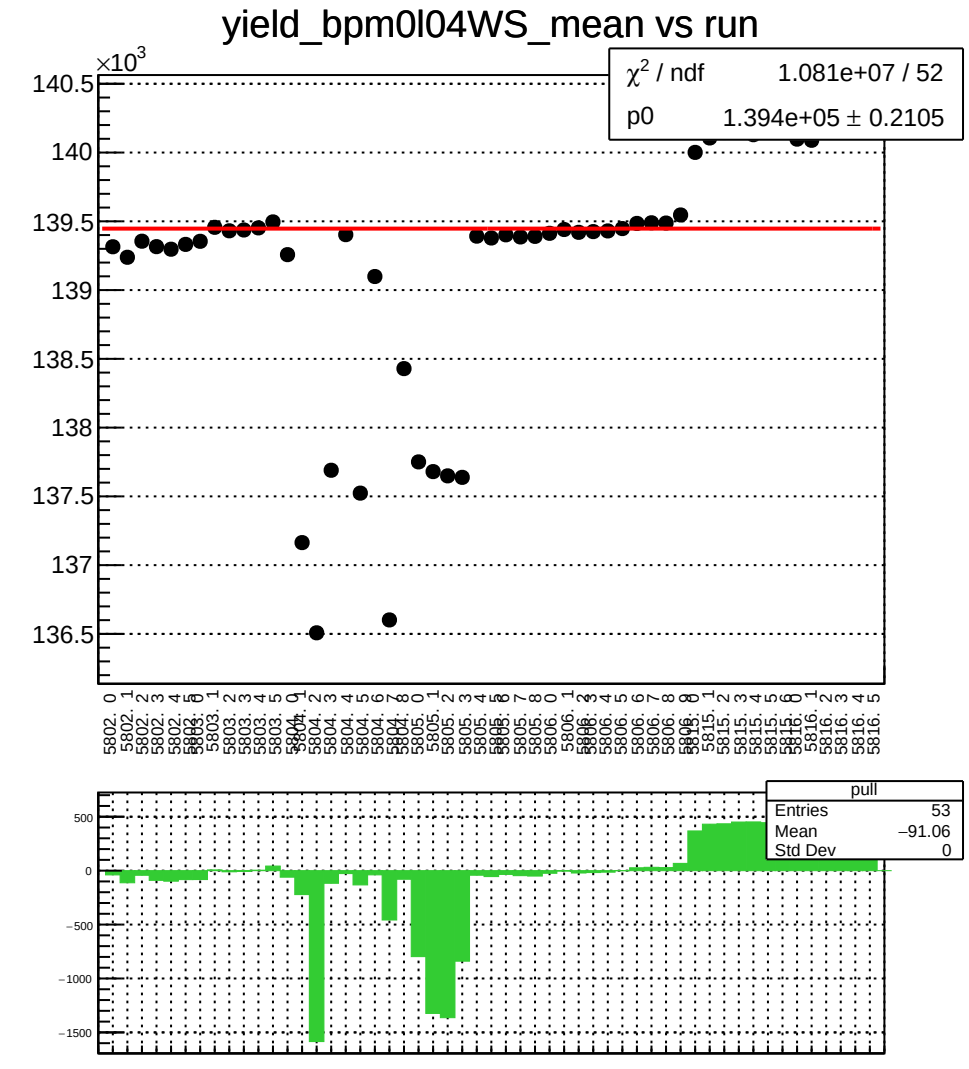

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

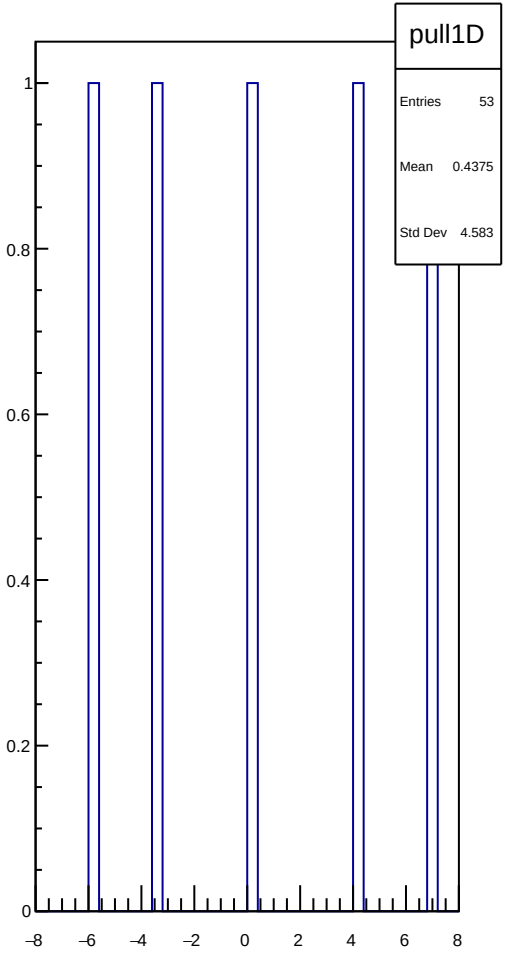

yield_bpm0l02WS_rms vs run
χ² / ndf 1.703e+05 / 52
p0 212 ± 0.2325
1800
1600
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

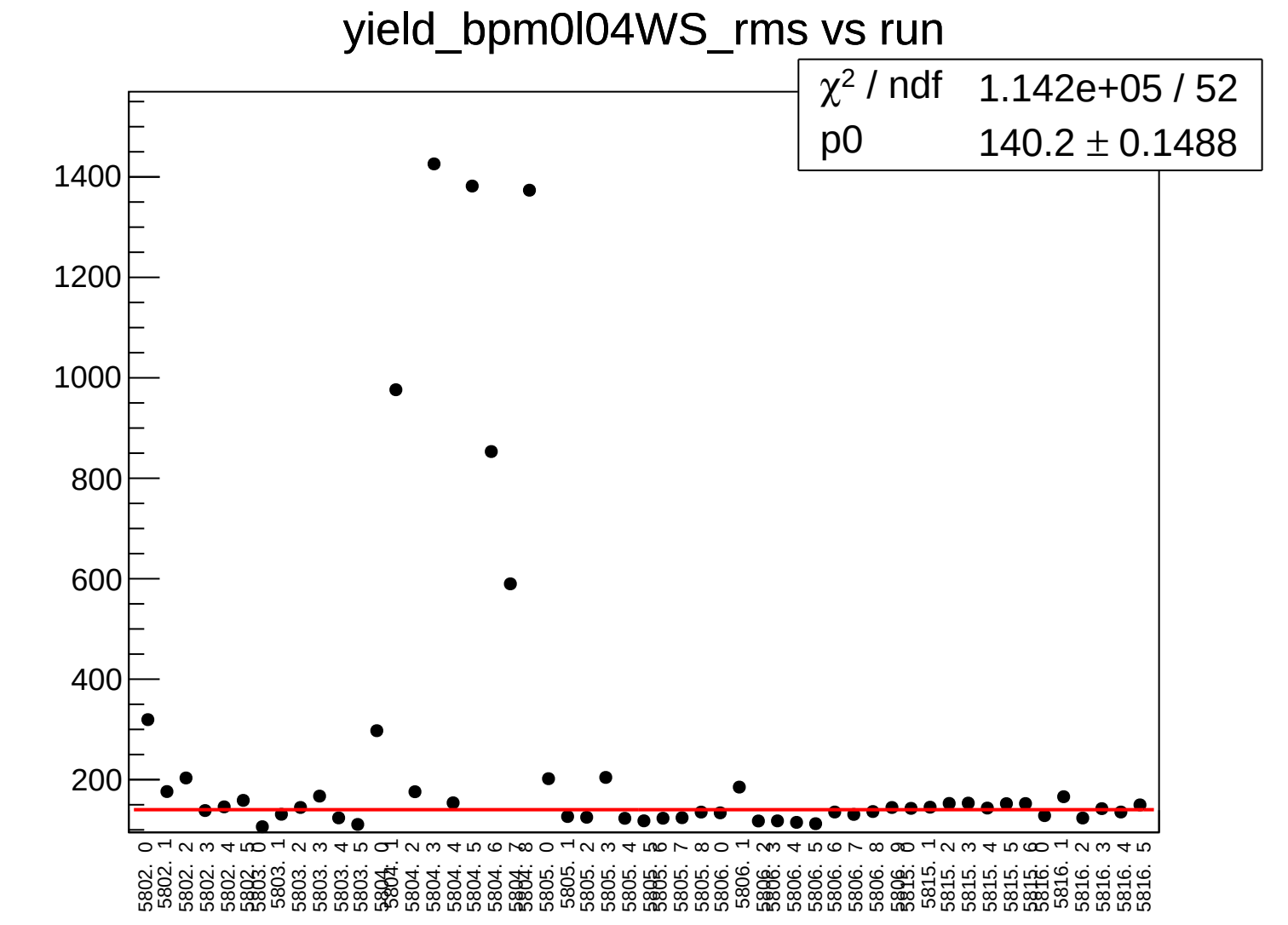

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.824e+06 / 52
p0 1.38e+05 ± 0.724
pull
Entries 53
Mean −634.5
Std Dev 0

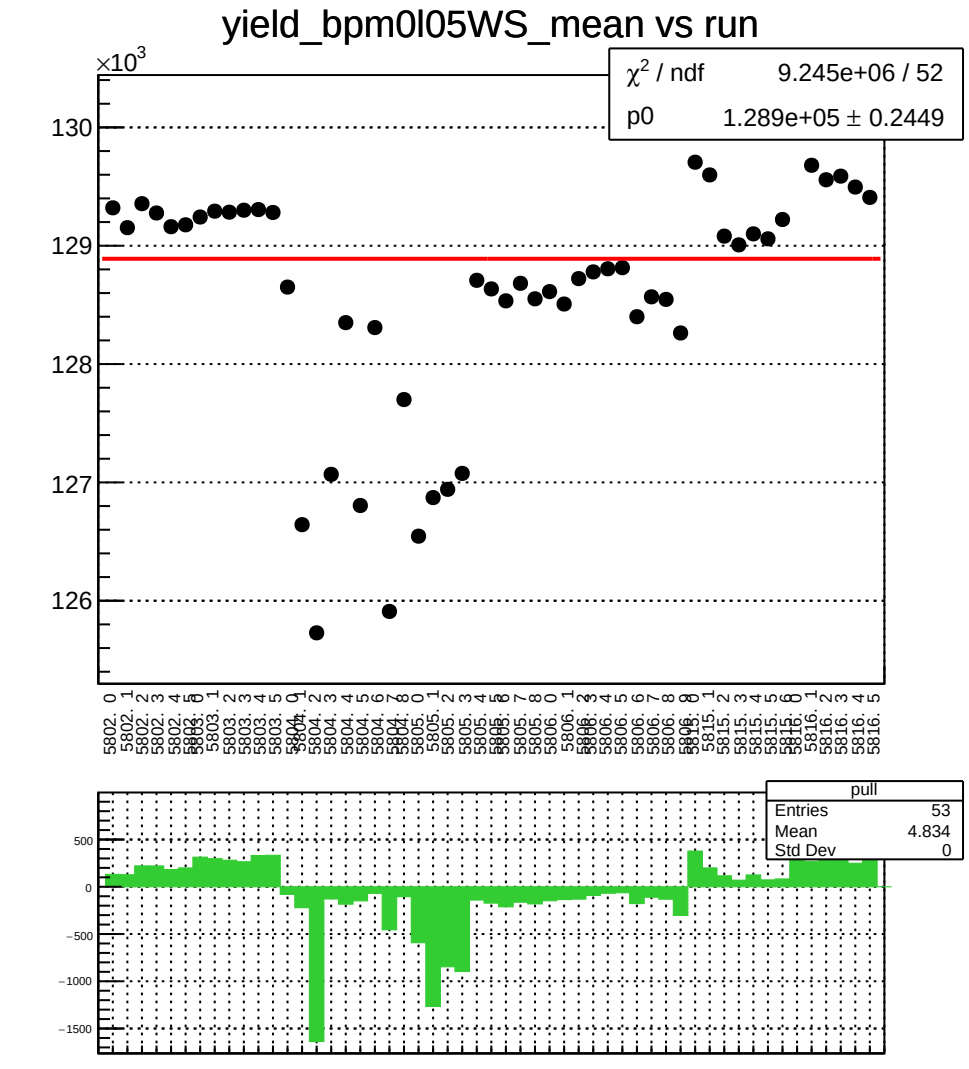

pull1D
Entries 53
Mean −2.498
Std Dev 0.8489

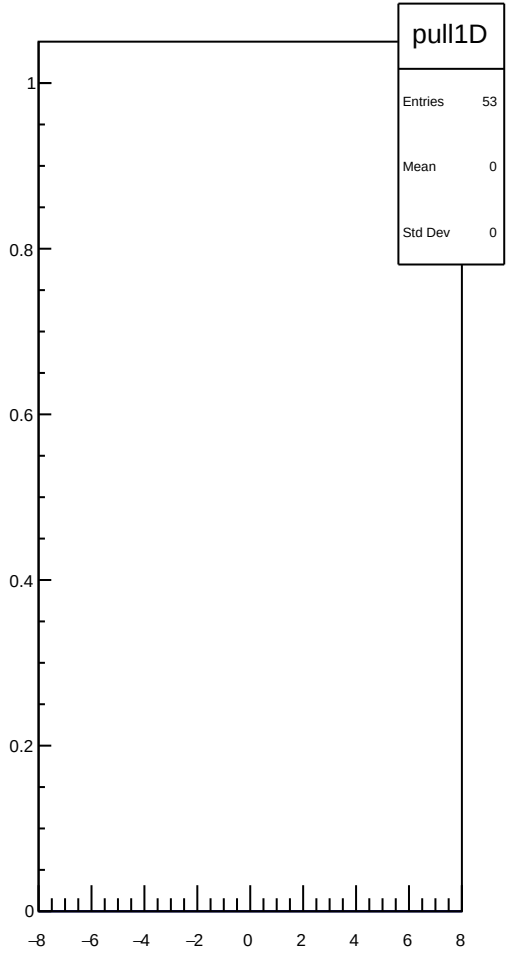

yield_bpm0l03WS_rms vs run
χ² / ndf 8.705e+04 / 52
p0 489.6 ± 0.512
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

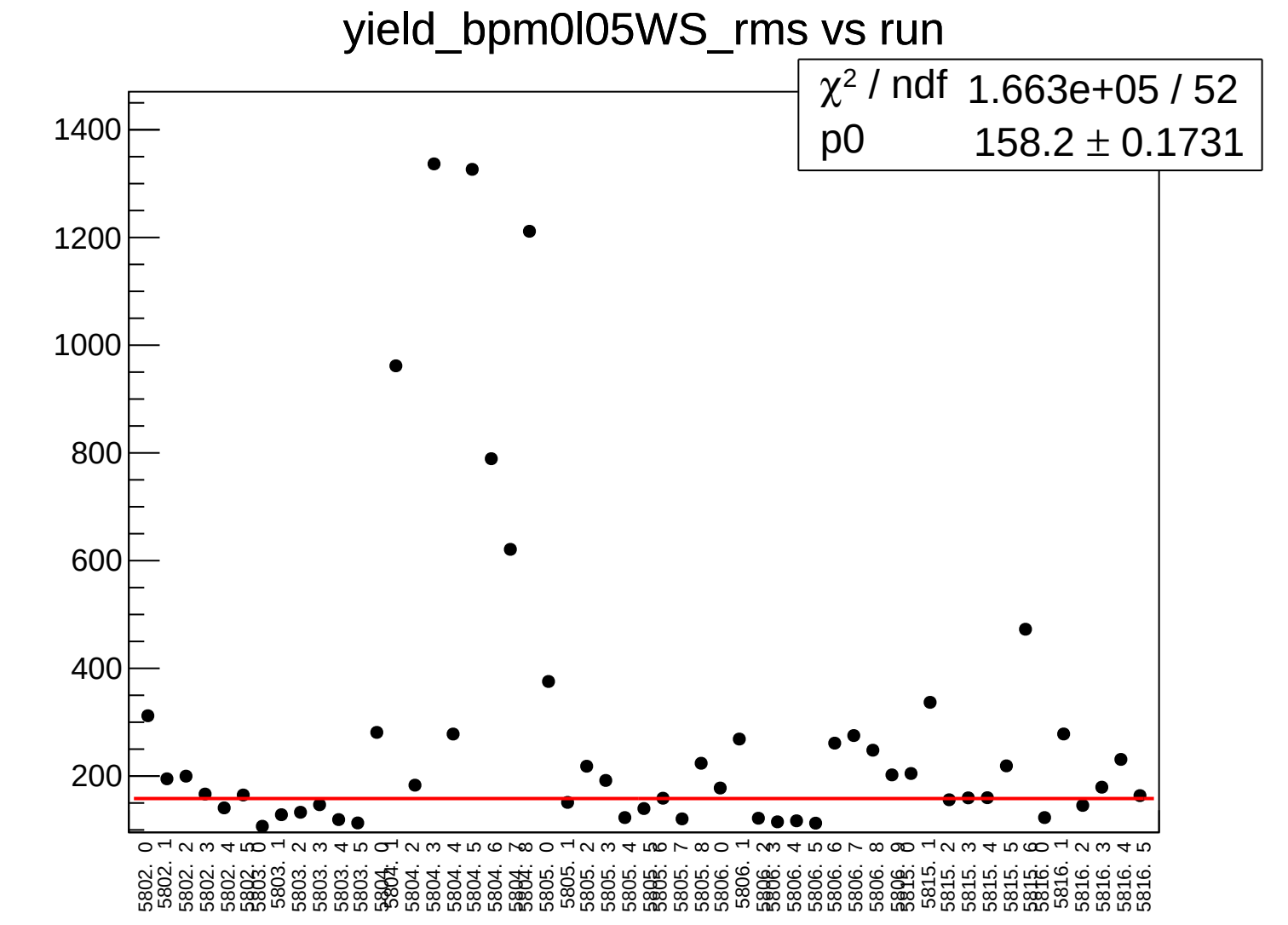

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.081e+07 / 52
p0 1.394e+05 ± 0.2105
140.5
140
139.5
139
138.5
138
137.5
137
136.5
pull
Entries 53
Mean −91.06
Std Dev 0
500
0
−500
−1000
−1500

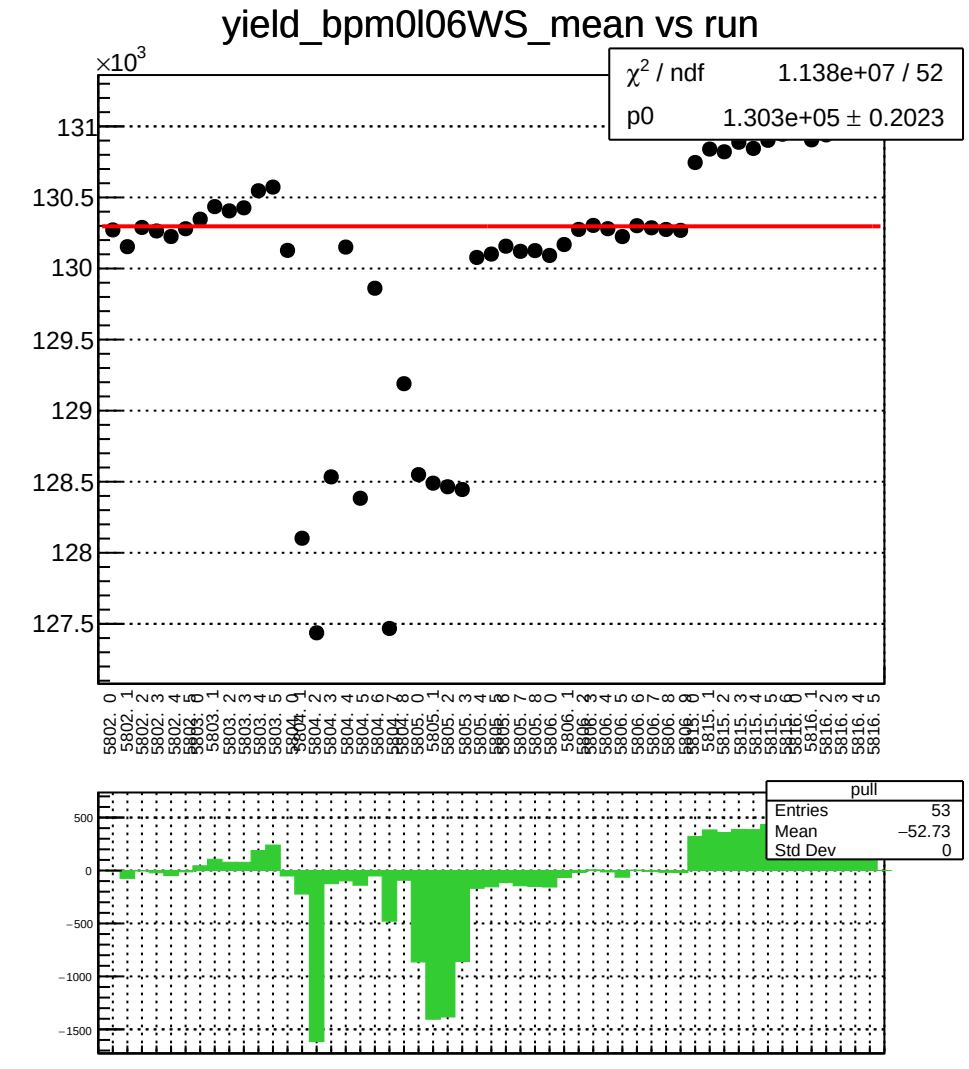

pull1D
Entries 53
Mean 0.4375
Std Dev 4.583
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

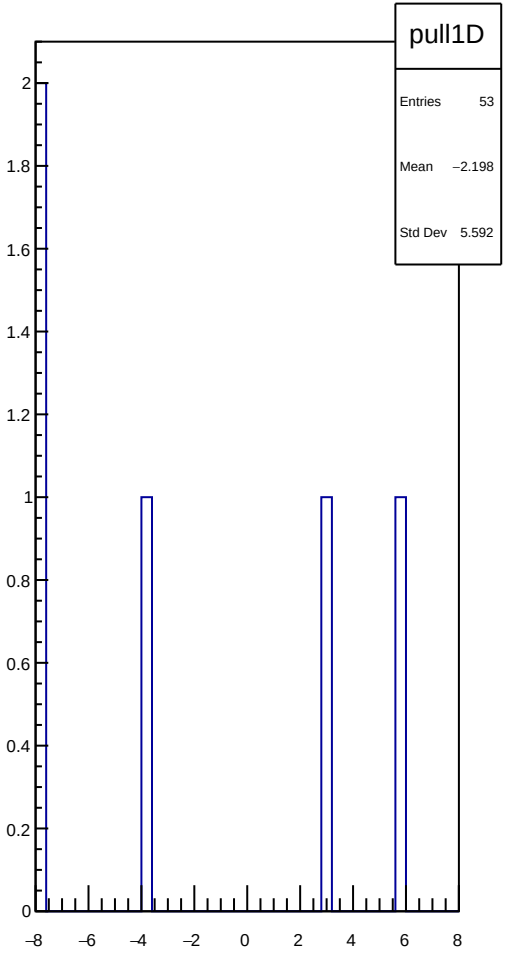

yield_bpm0l04WS_rms vs run
χ² / ndf 1.142e+05 / 52
p0 140.2 ± 0.1488
1400
1200
1000
800
600
400
200

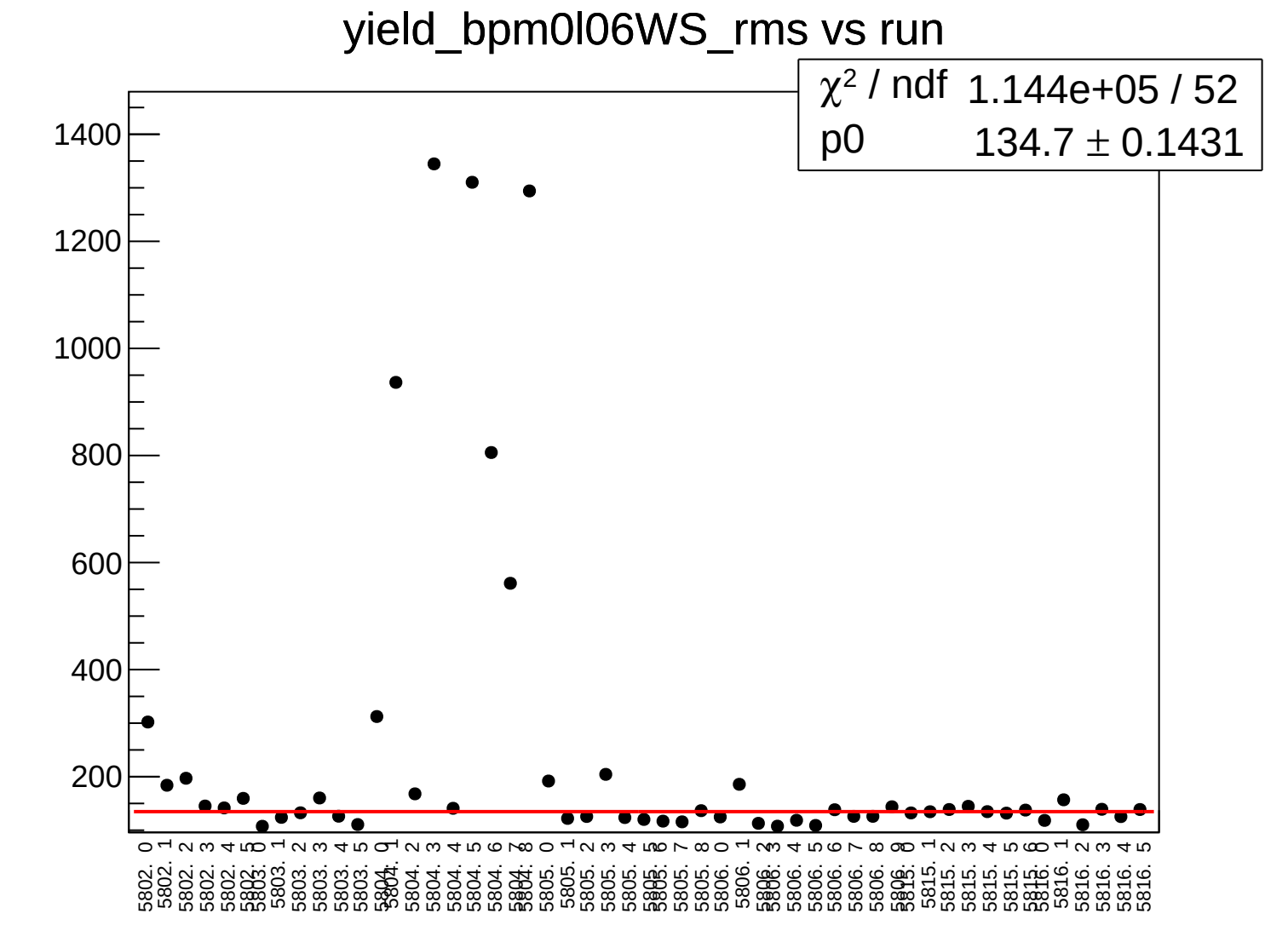

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 9.245e+06 / 52
p0 1.289e+05 ± 0.2449
130
129
128
127
126
pull
Entries 53
Mean 4.834
Std Dev 0
500
0
−500
−1000
−1500

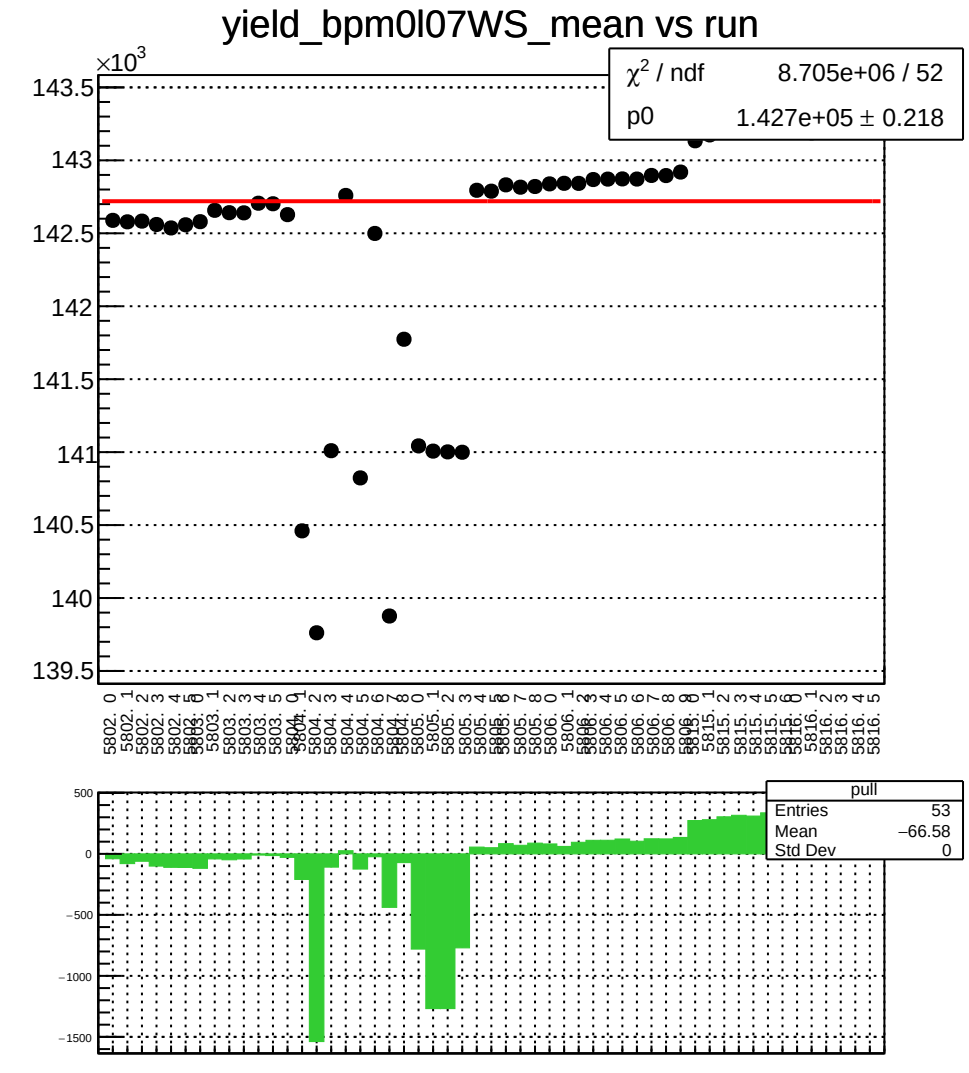

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

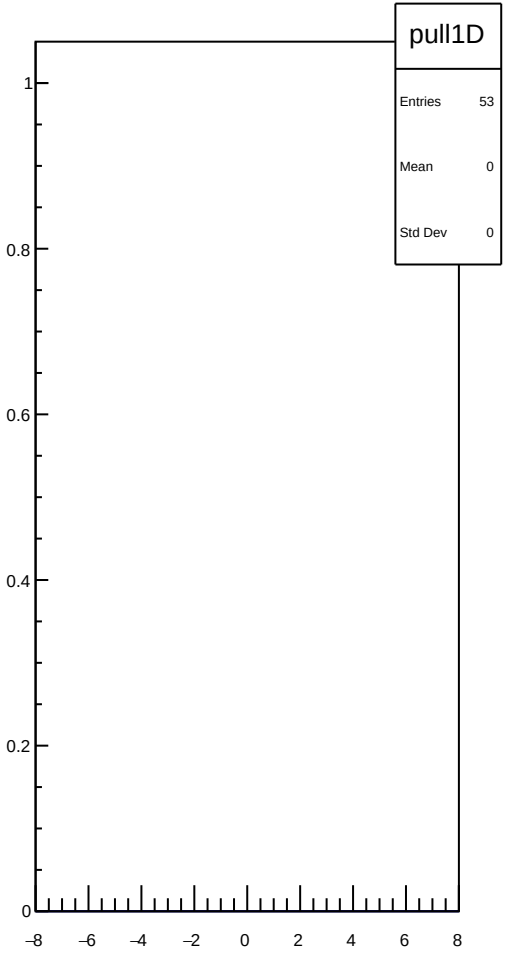

yield_bpm0l05WS_rms vs run
χ² / ndf 1.663e+05 / 52
p0 158.2 ± 0.1731
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

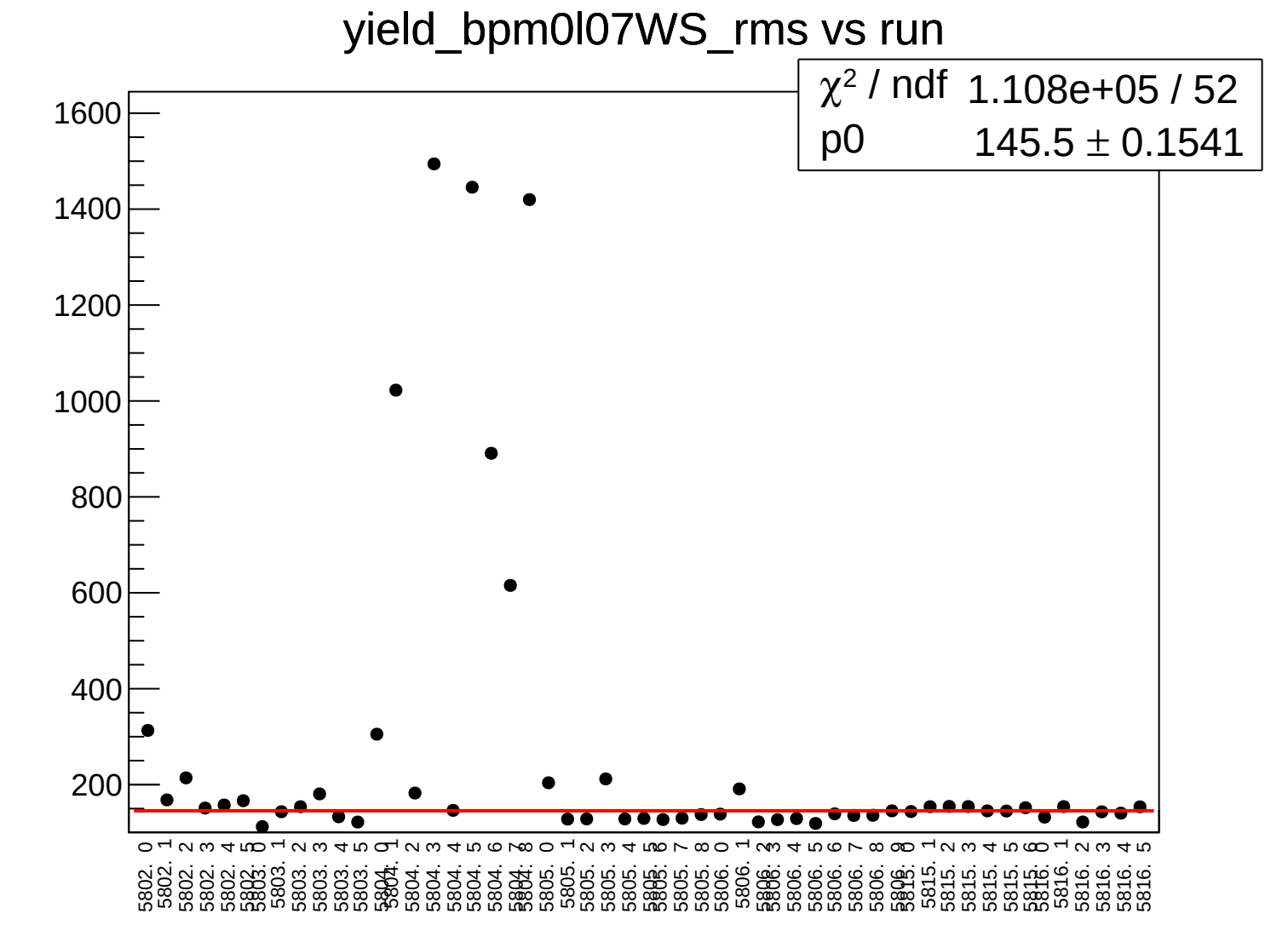

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 1.138e+07 / 52
p0 1.303e+05 ± 0.2023
131
130.5
130
129.5
129
128.5
128
127.5
pull
Entries 53
Mean −52.73
Std Dev 0
500
0
−500
−1000
−1500

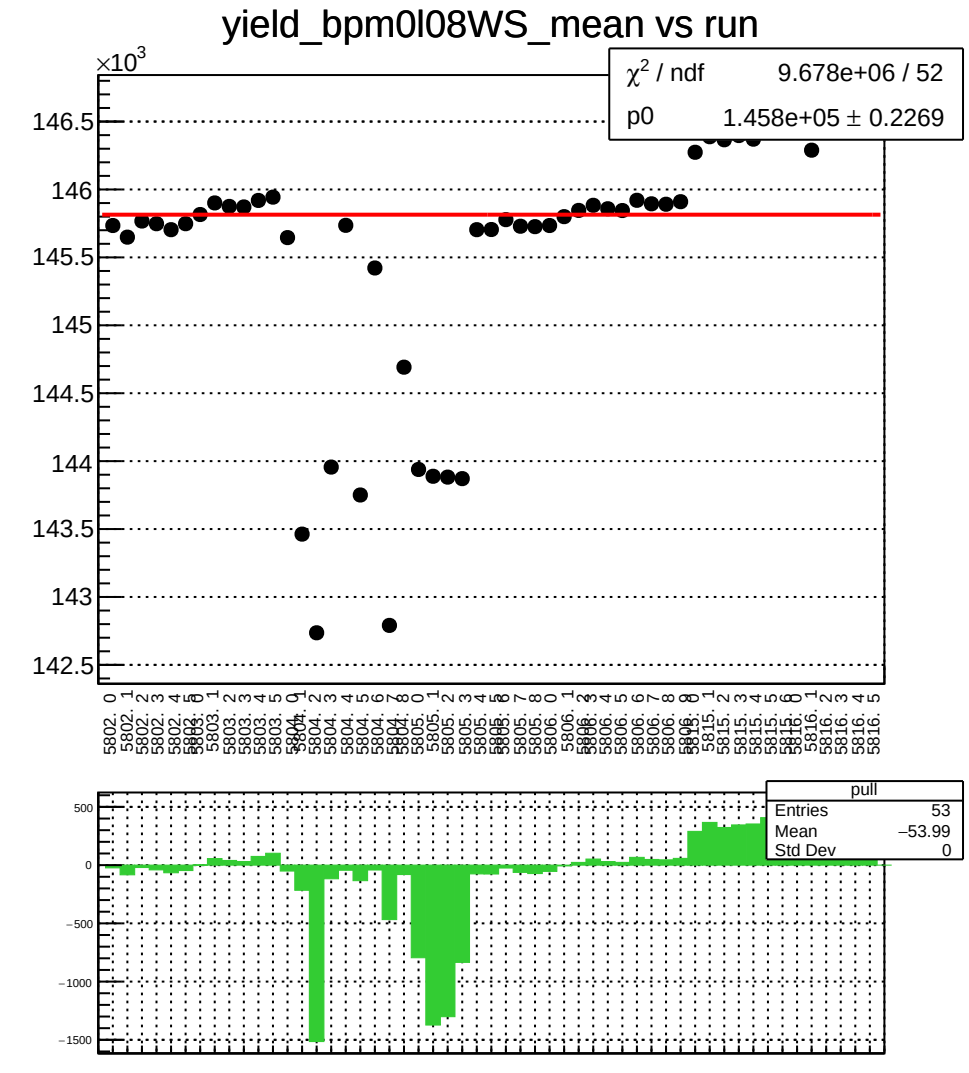

pull1D
Entries 53
Mean −2.198
Std Dev 5.592
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

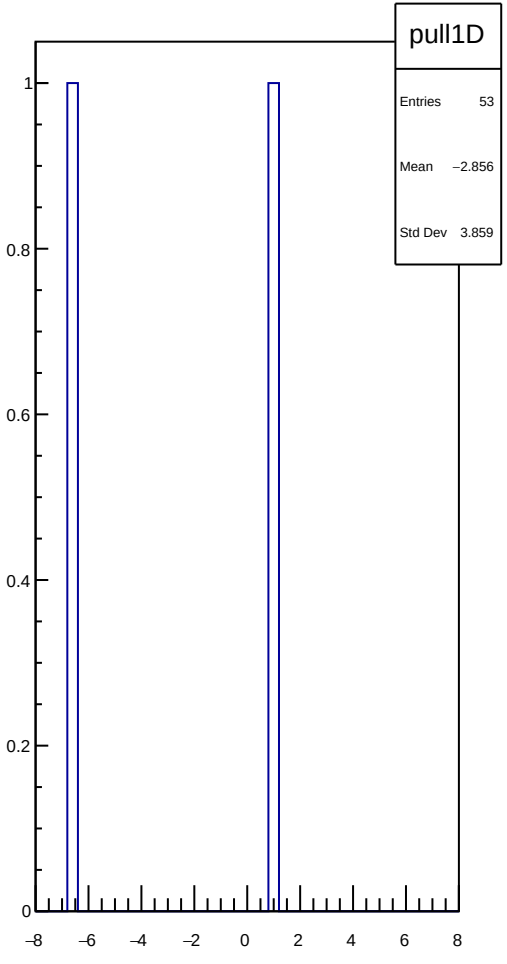

yield_bpm0l06WS_rms vs run
χ² / ndf 1.144e+05 / 52
p0 134.7 ± 0.1431
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

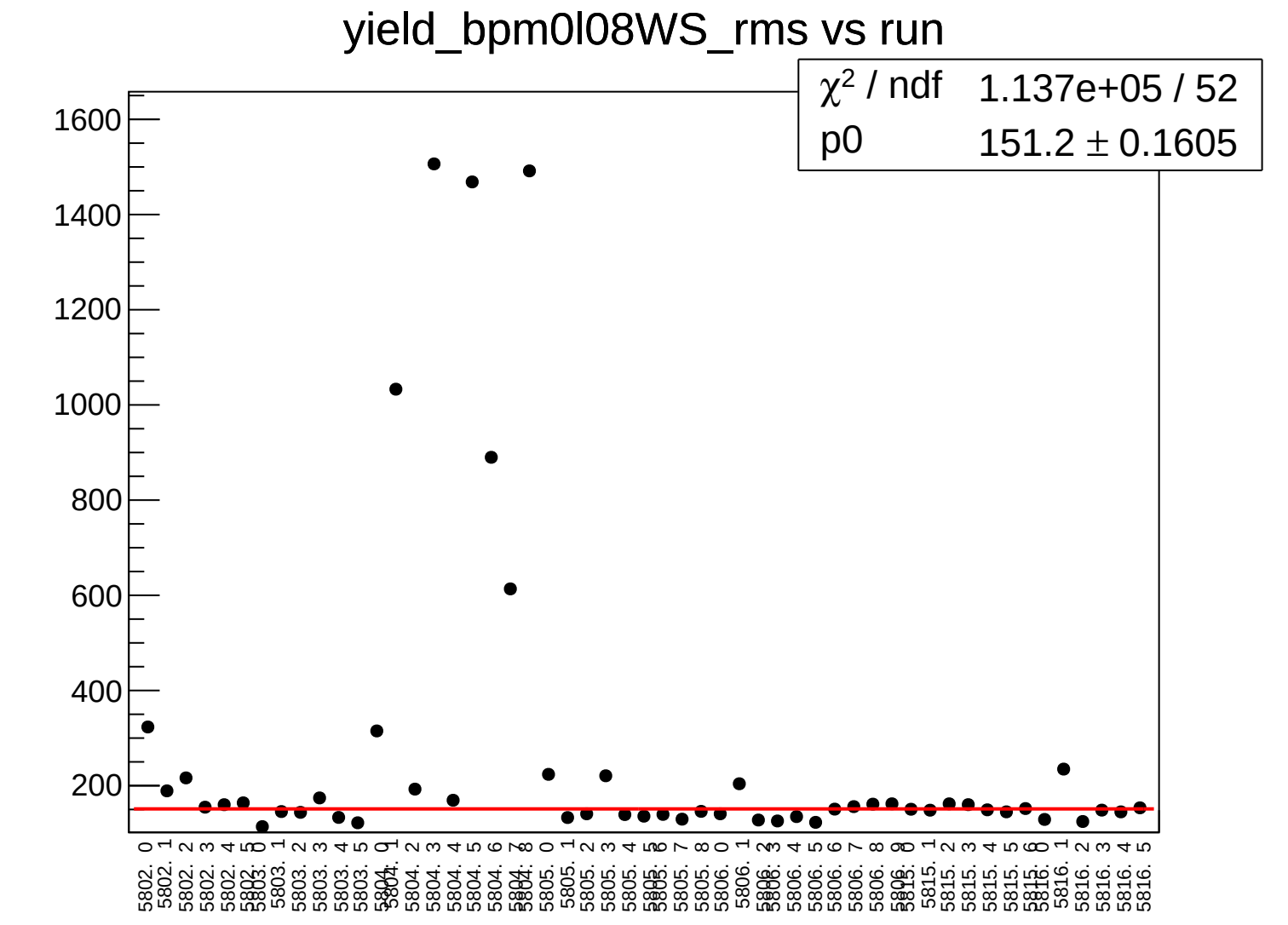

yield_bpm0l07WS_mean vs run
×10^3
χ^2 / ndf 8.705e+06 / 52
p0 1.427e+05 ± 0.218
143.5
143
142.5
142
141.5
141
140.5
140
139.5
pull
Entries 53
Mean −66.58
Std Dev 0
500
0
−500
−1000
−1500

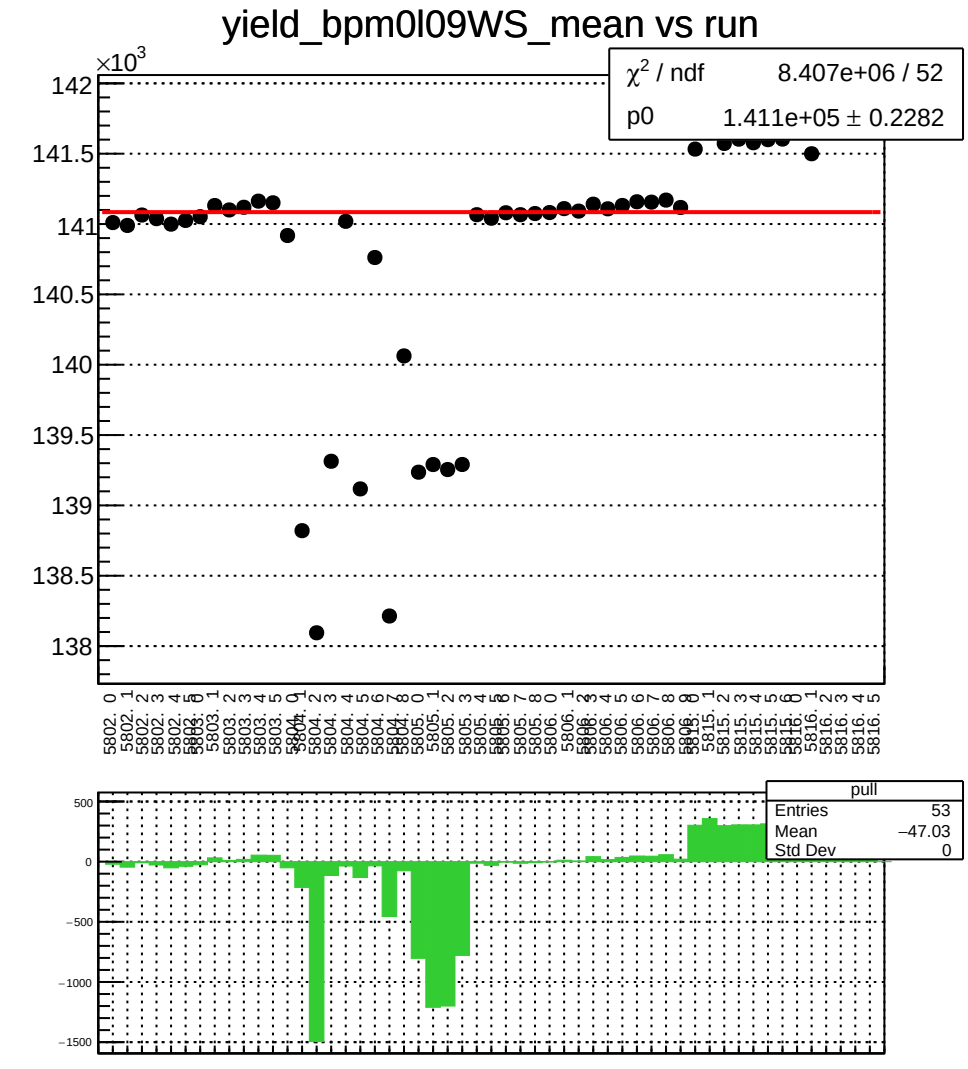

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

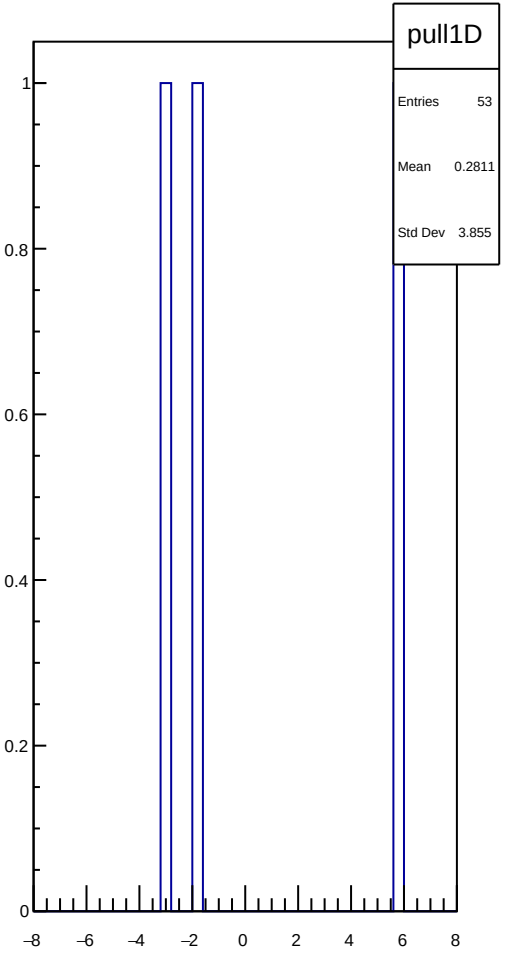

yield_bpm0l07WS_rms vs run
χ² / ndf 1.108e+05 / 52
p0 145.5 ± 0.1541
1600
1400
1200
1000
800
600
400
200

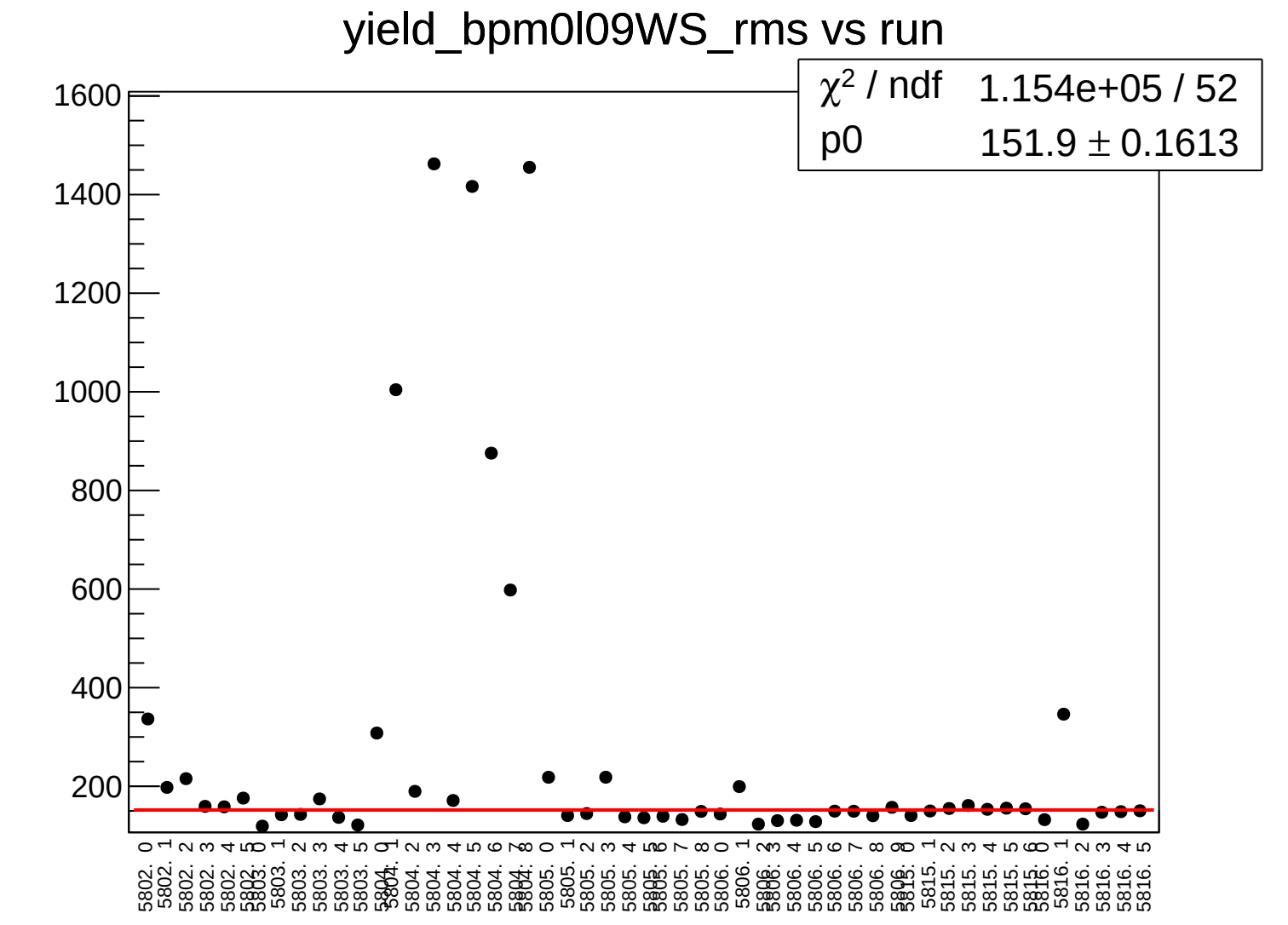

yield_bpm0l08WS_mean vs run
×10^3
χ^2 / ndf 9.678e+06 / 52
p0 1.458e+05 ± 0.2269
146.5
146
145.5
145
144.5
144
143.5
143
142.5
pull
Entries 53
Mean −53.99
Std Dev 0
500
0
−500
−1000
−1500

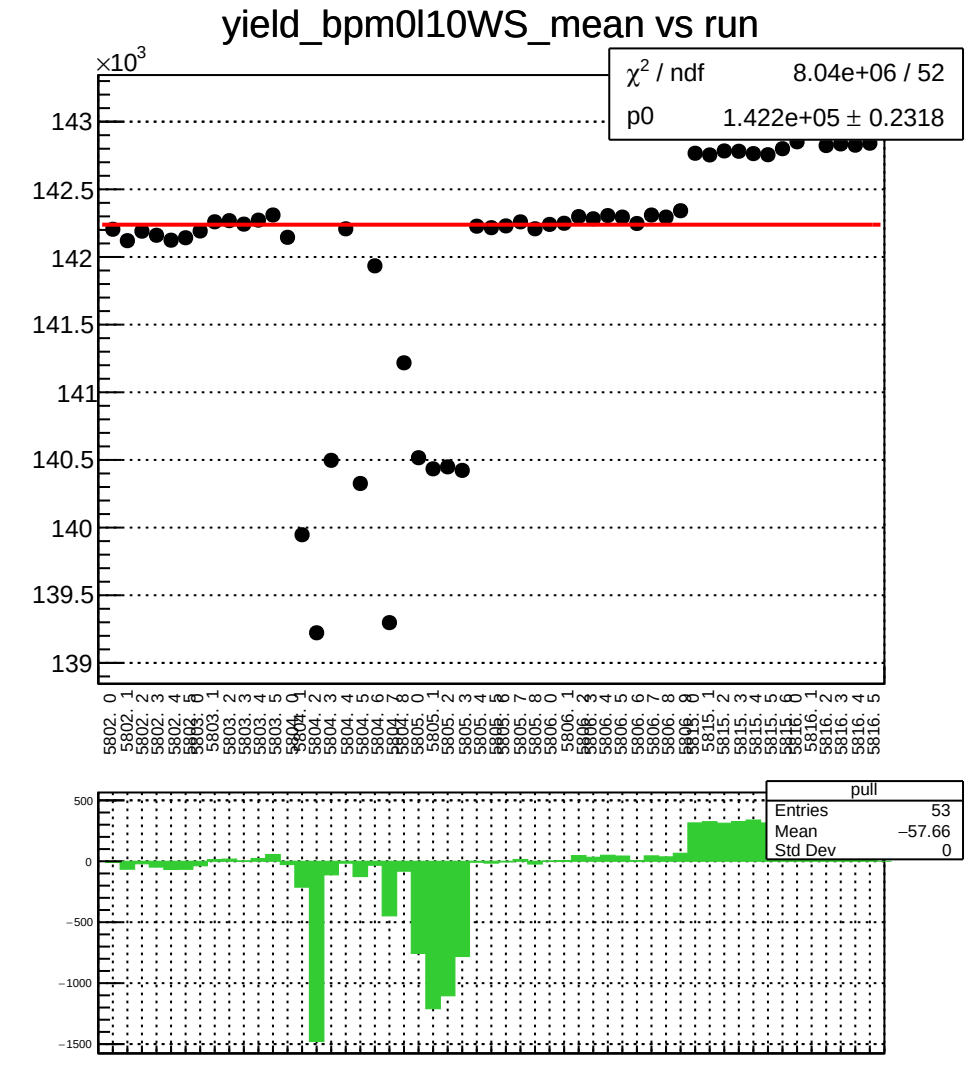

pull1D
Entries 53
Mean −2.856
Std Dev 3.859
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

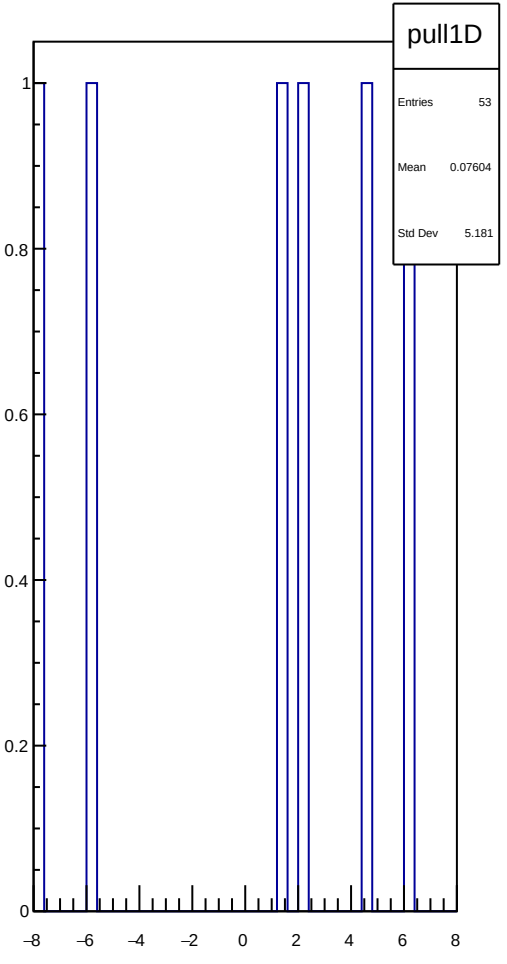

yield_bpm0l08WS_rms vs run
χ² / ndf 1.137e+05 / 52
p0 151.2 ± 0.1605
1600
1400
1200
1000
800
600
400
200

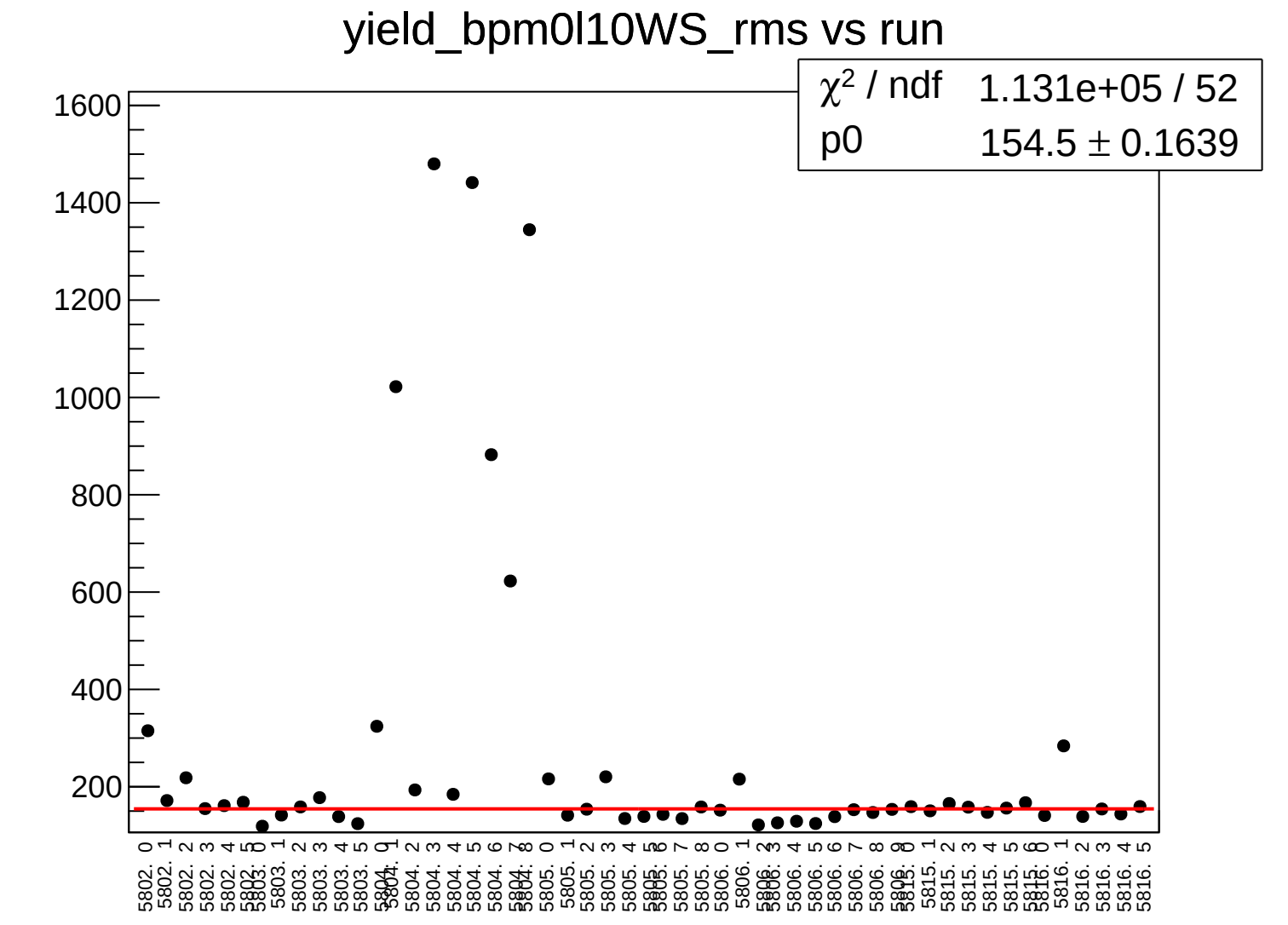

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 8.407e+06 / 52
p0 1.411e+05 ± 0.2282
142
141.5
141
140.5
140
139.5
139
138.5
138
pull
Entries 53
Mean −47.03
Std Dev 0
500
0
−500
−1000
−1500

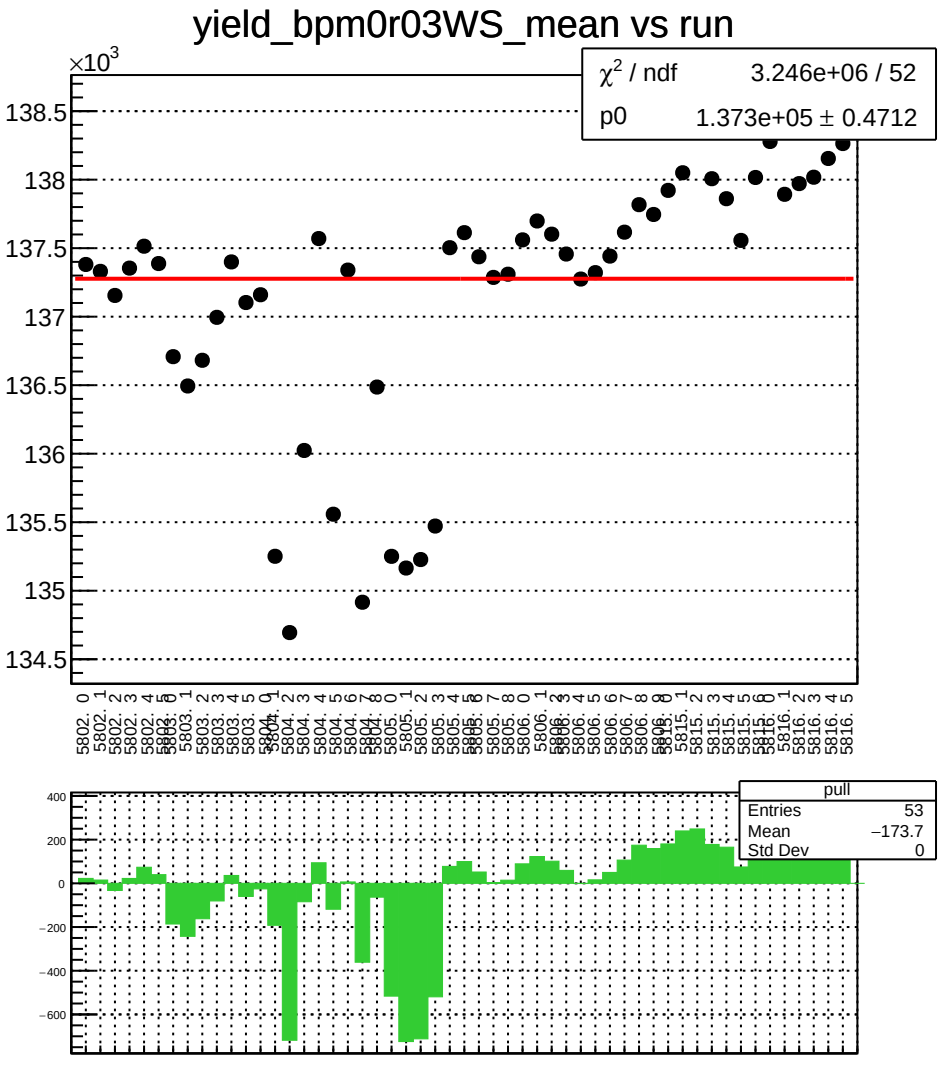

pull1D
Entries 53
Mean 0.2811
Std Dev 3.855
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

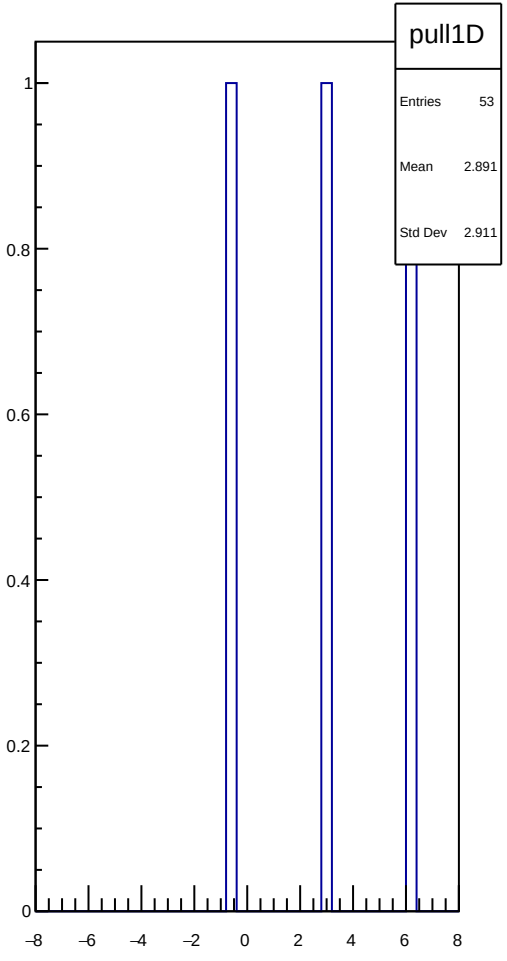

yield_bpm0l09WS_rms vs run
χ² / ndf 1.154e+05 / 52
p0 151.9 ± 0.1613
1600
1400
1200
1000
800
600
400
200

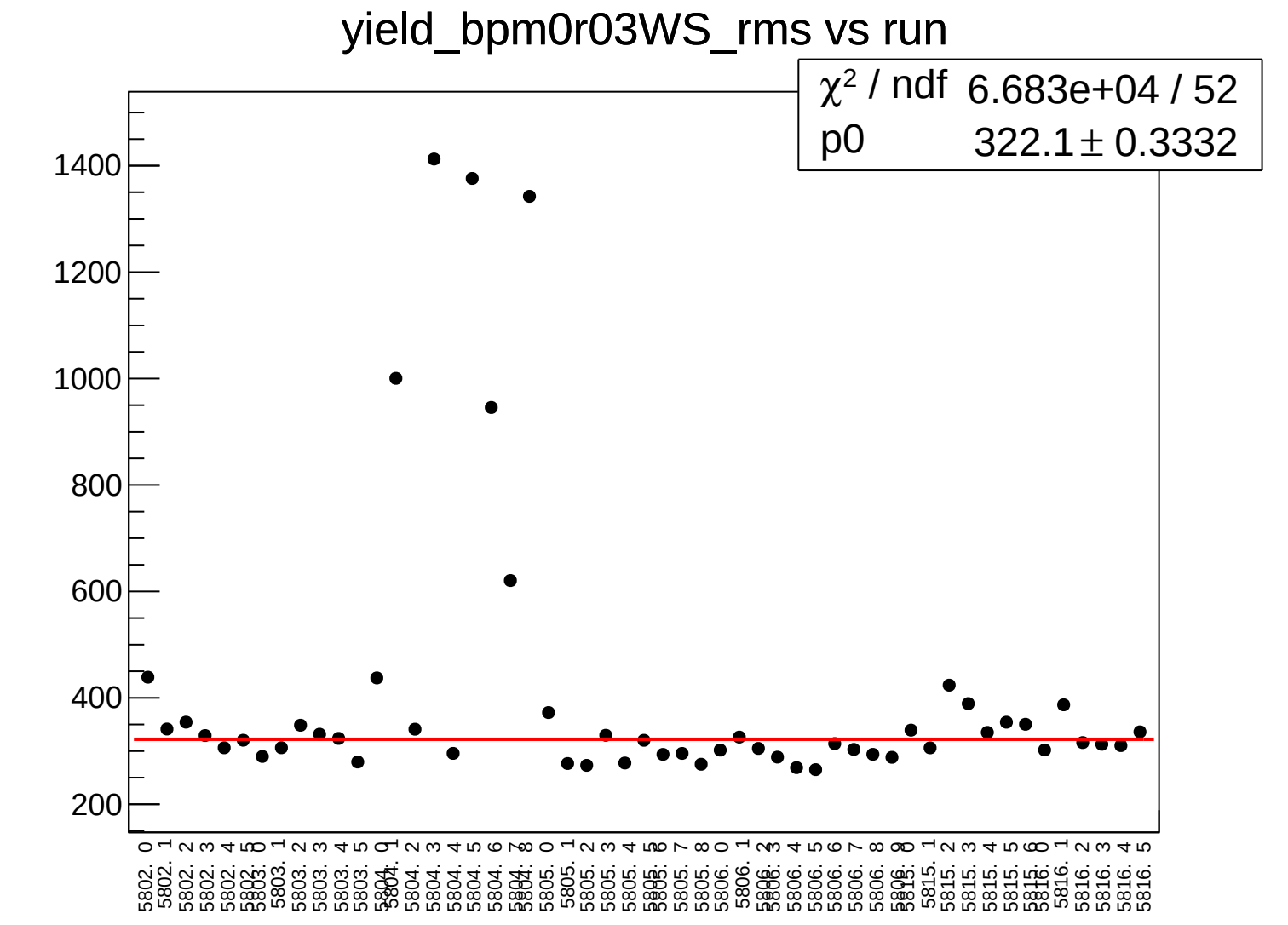

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 8.04e+06 / 52
p0 1.422e+05 ± 0.2318
143
142.5
142
141.5
141
140.5
140
139.5
139
pull
Entries 53
Mean −57.66
Std Dev 0
500
0
−500
−1000
−1500

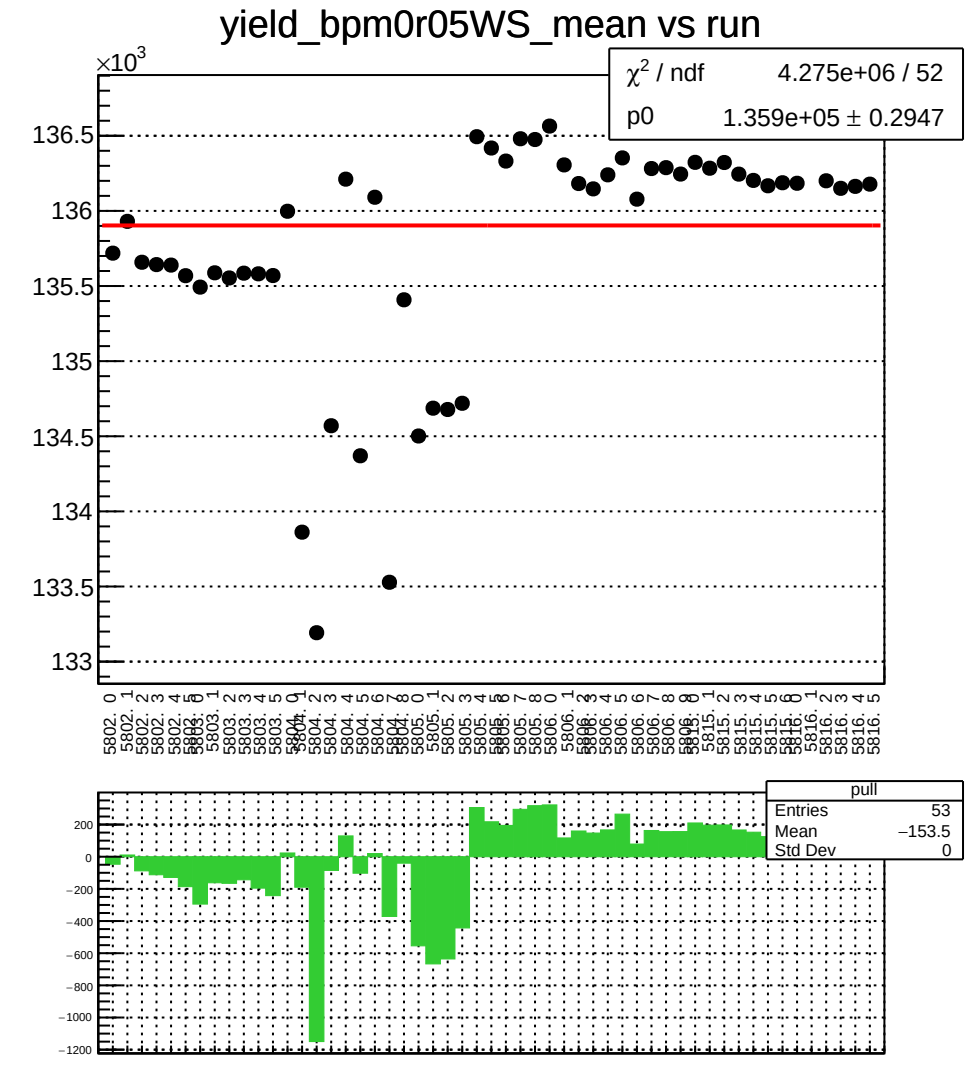

pull1D
Entries 53
Mean 0.07604
Std Dev 5.181
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

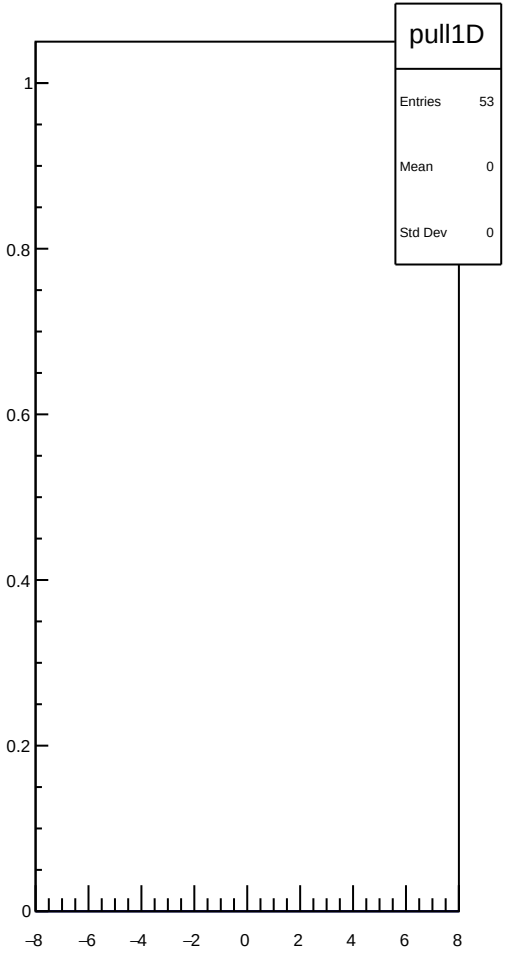

yield_bpm0l10WS_rms vs run
χ² / ndf 1.131e+05 / 52
p0 154.5 ± 0.1639
1600
1400
1200
1000
800
600
400
200

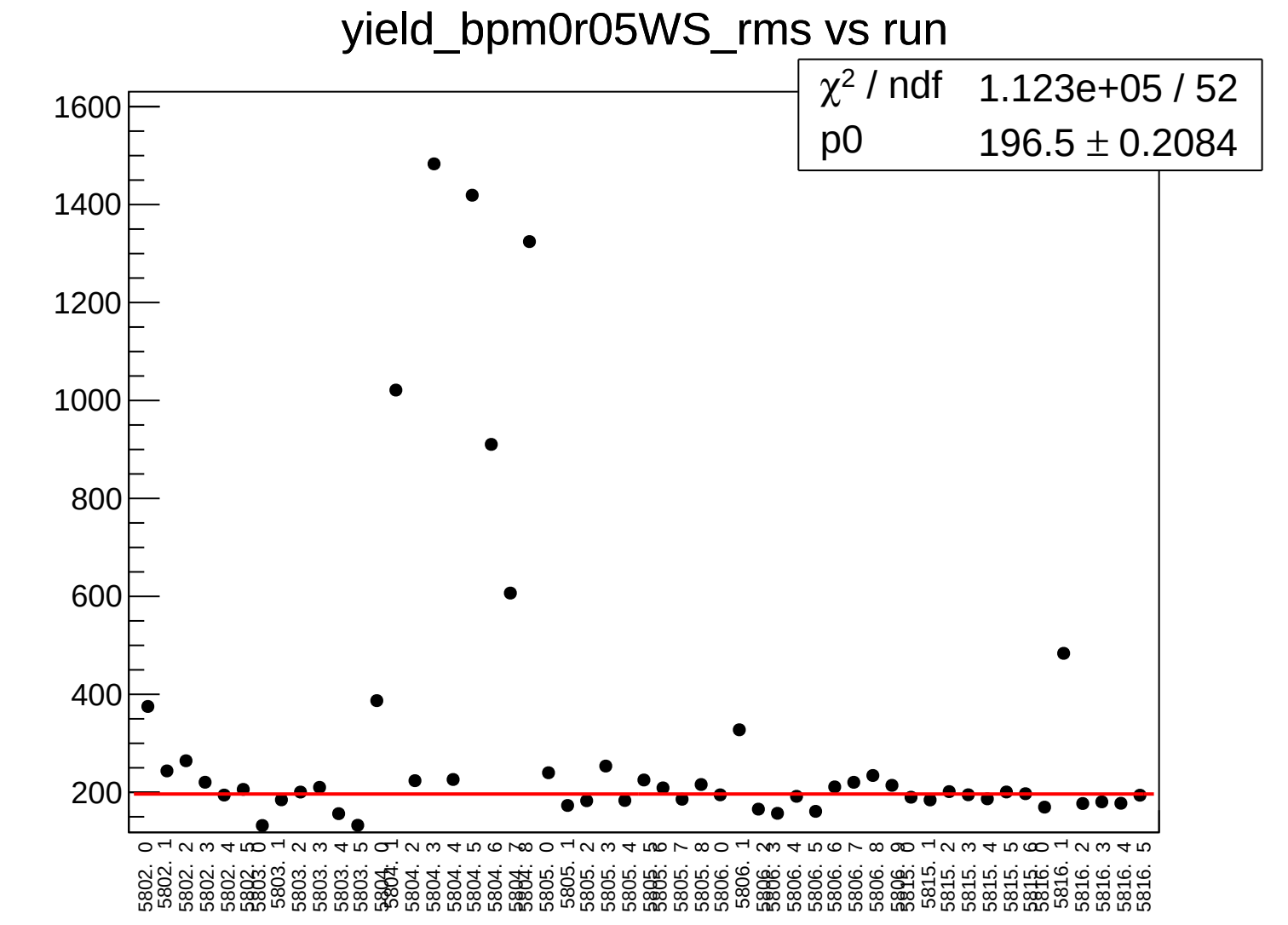

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 3.246e+06 / 52
p0 1.373e+05 ± 0.4712
138.5
138
137.5
137
136.5
136
135.5
135
134.5
pull
Entries 53
Mean −173.7
Std Dev 0
400
200
0
−200
−400
−600

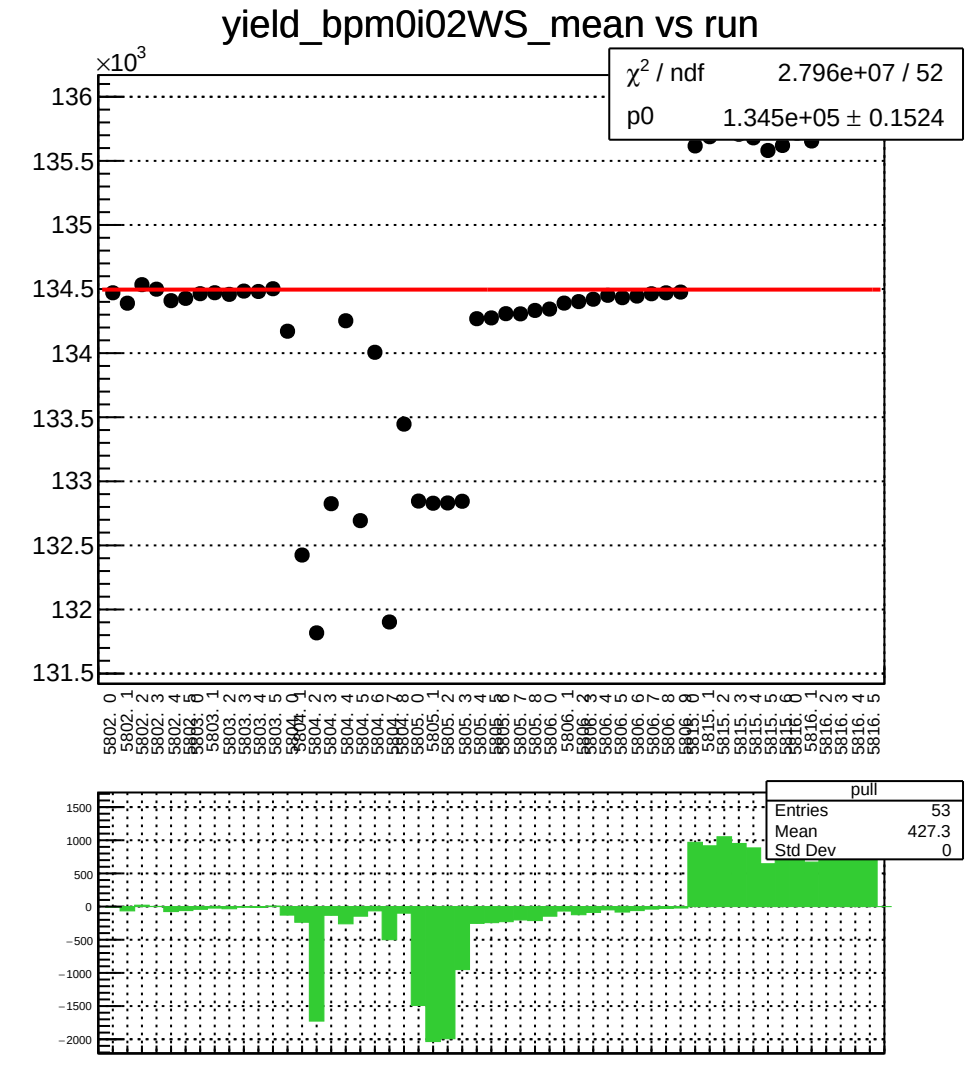

pull1D
Entries 53
Mean 2.891
Std Dev 2.911
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

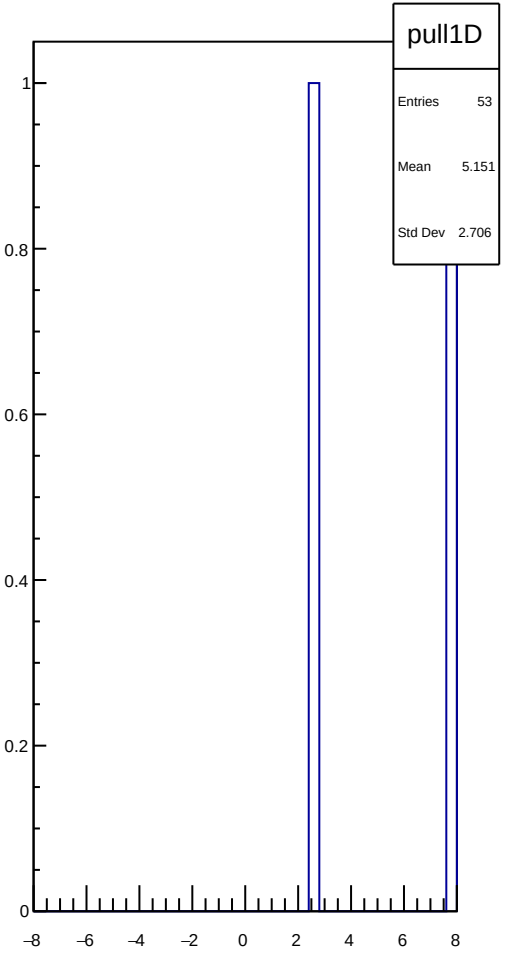

yield_bpm0r03WS_rms vs run
χ² / ndf 6.683e+04 / 52
p0 322.1 ± 0.3332
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

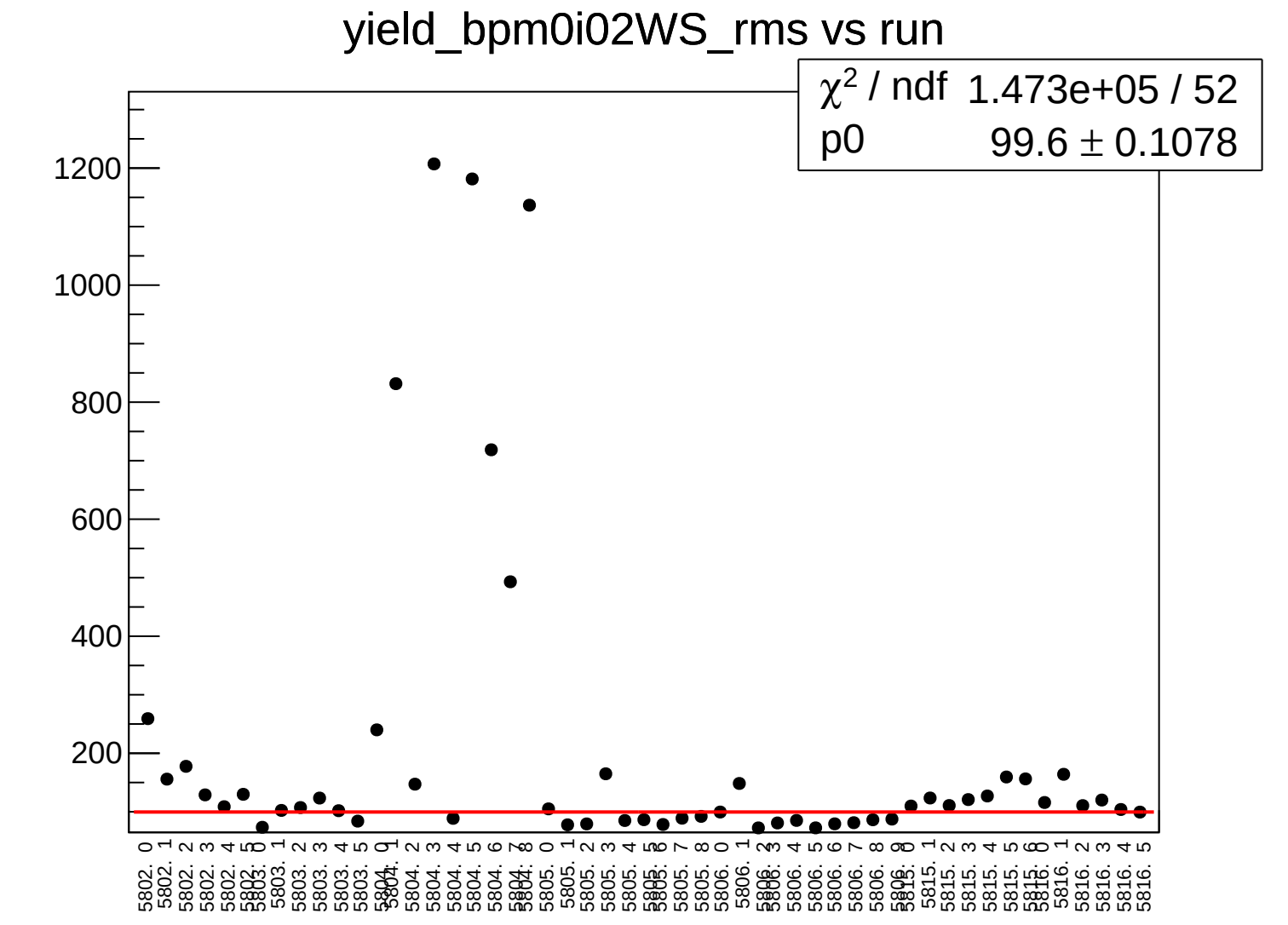

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 4.275e+06 / 52
p0 1.359e+05 ± 0.2947
136.5
136
135.5
135
134.5
134
133.5
133
pull
Entries 53
Mean −153.5
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

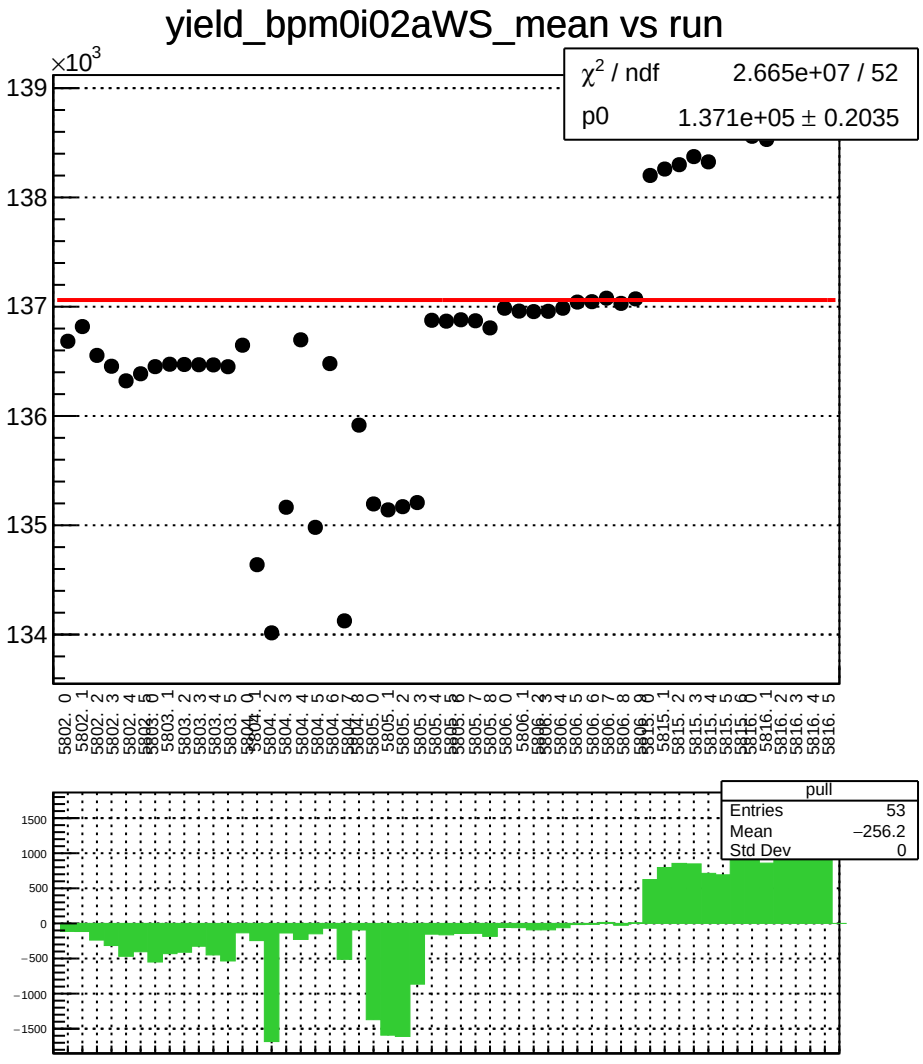

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

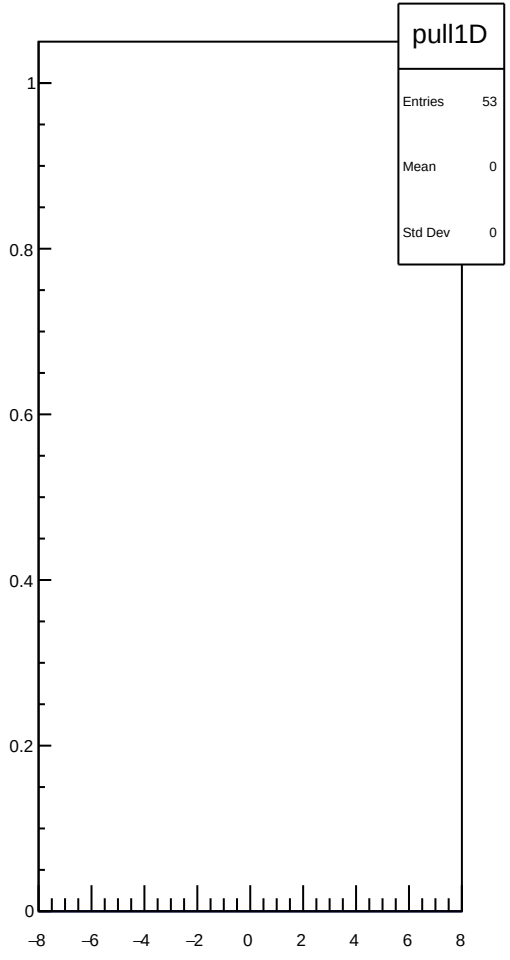

yield_bpm0r05WS_rms vs run
χ² / ndf 1.123e+05 / 52
p0 196.5 ± 0.2084
1600
1400
1200
1000
800
600
400
200

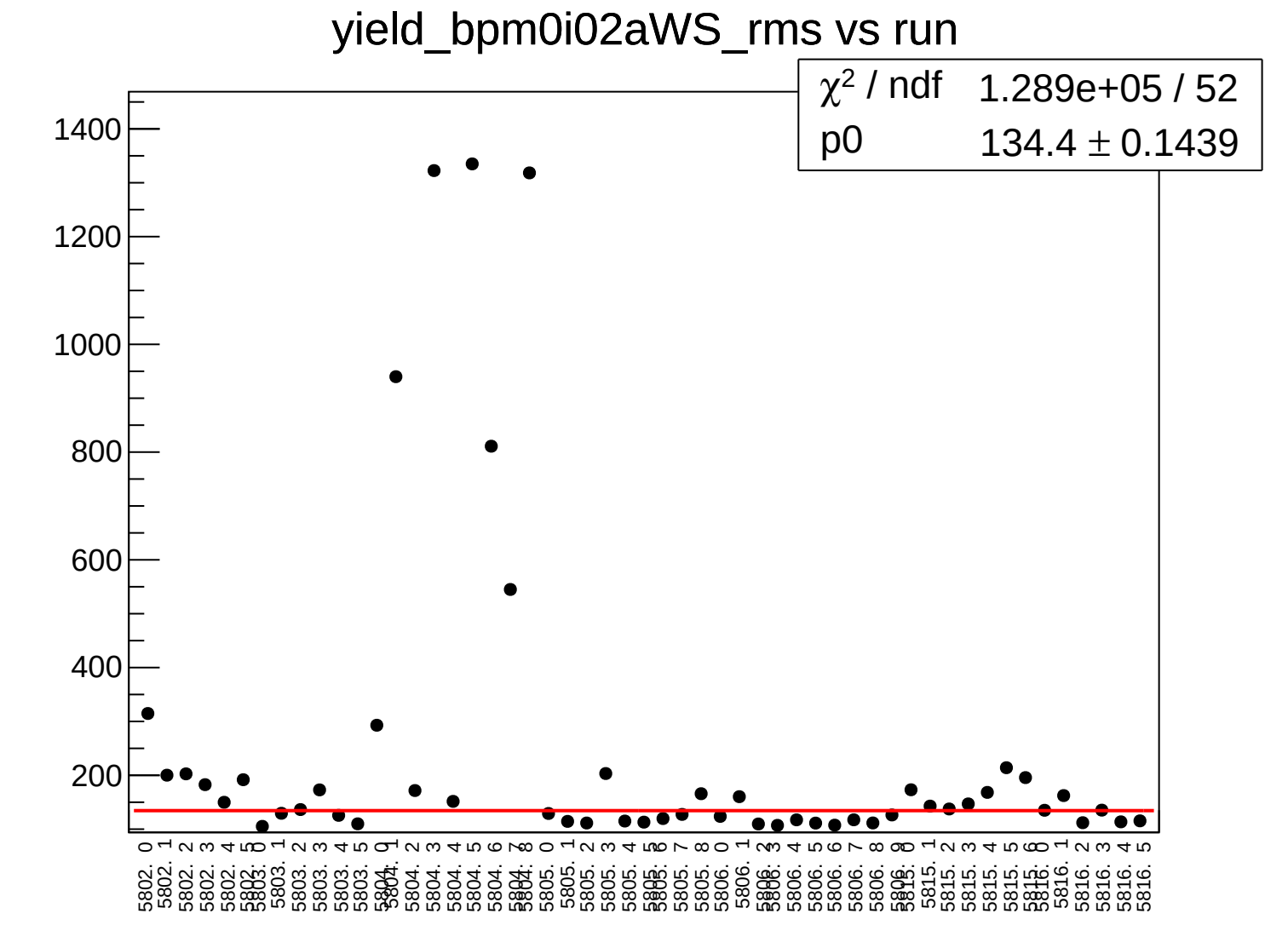

yield_bpm0i02WS_mean vs run
χ² / ndf 2.796e+07 / 52
p0 1.345e+05 ± 0.1524
pull
Entries 53
Mean 427.3
Std Dev 0

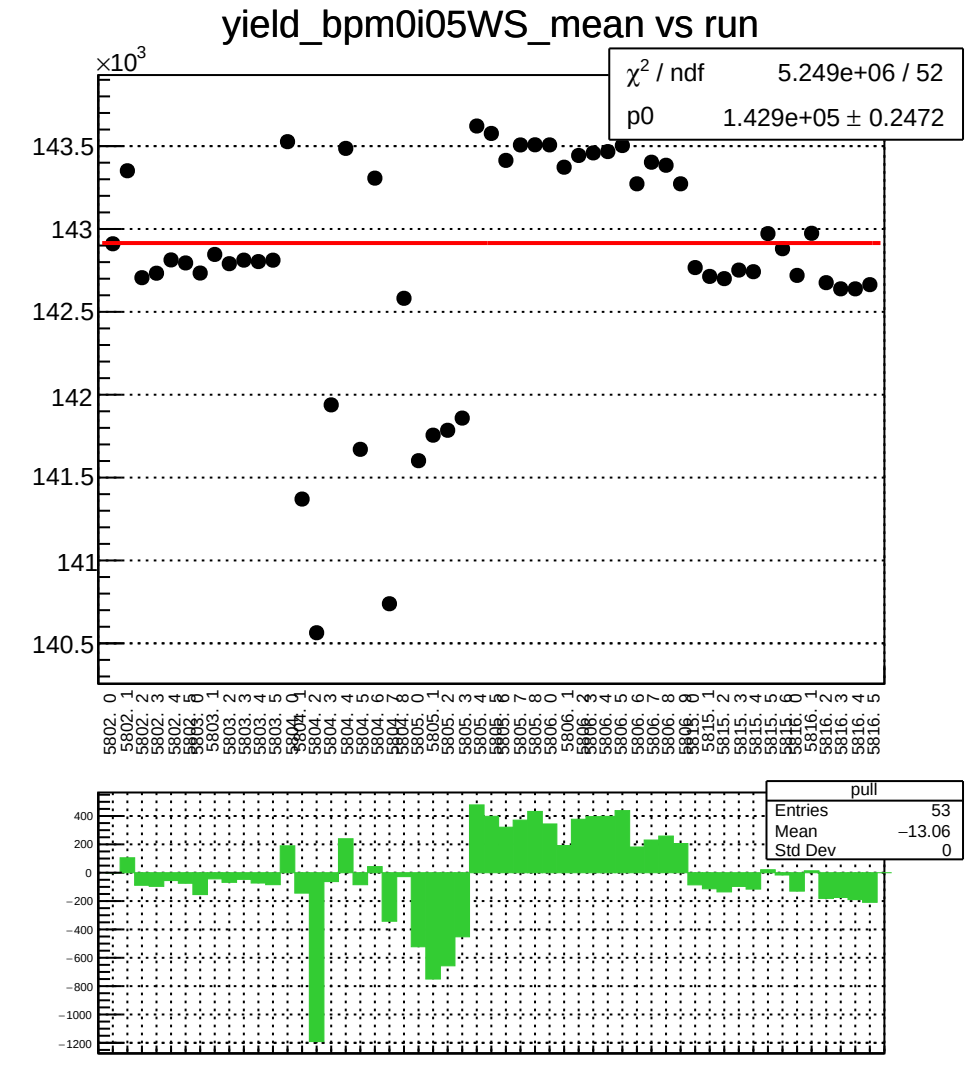

pull1D
Entries 53
Mean 5.151
Std Dev 2.706

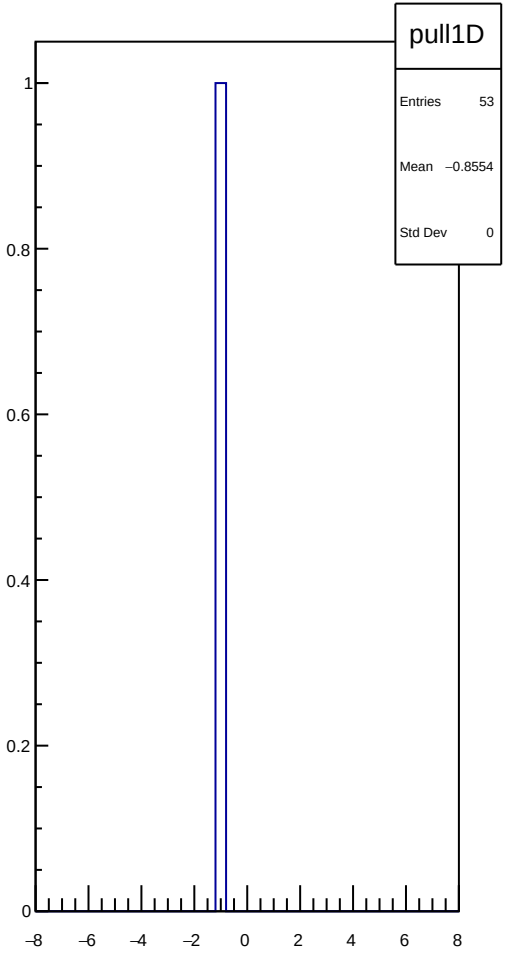

yield_bpm0i02WS_rms vs run
χ² / ndf 1.473e+05 / 52
p0 99.6 ± 0.1078
1200
1000
800
600
400
200

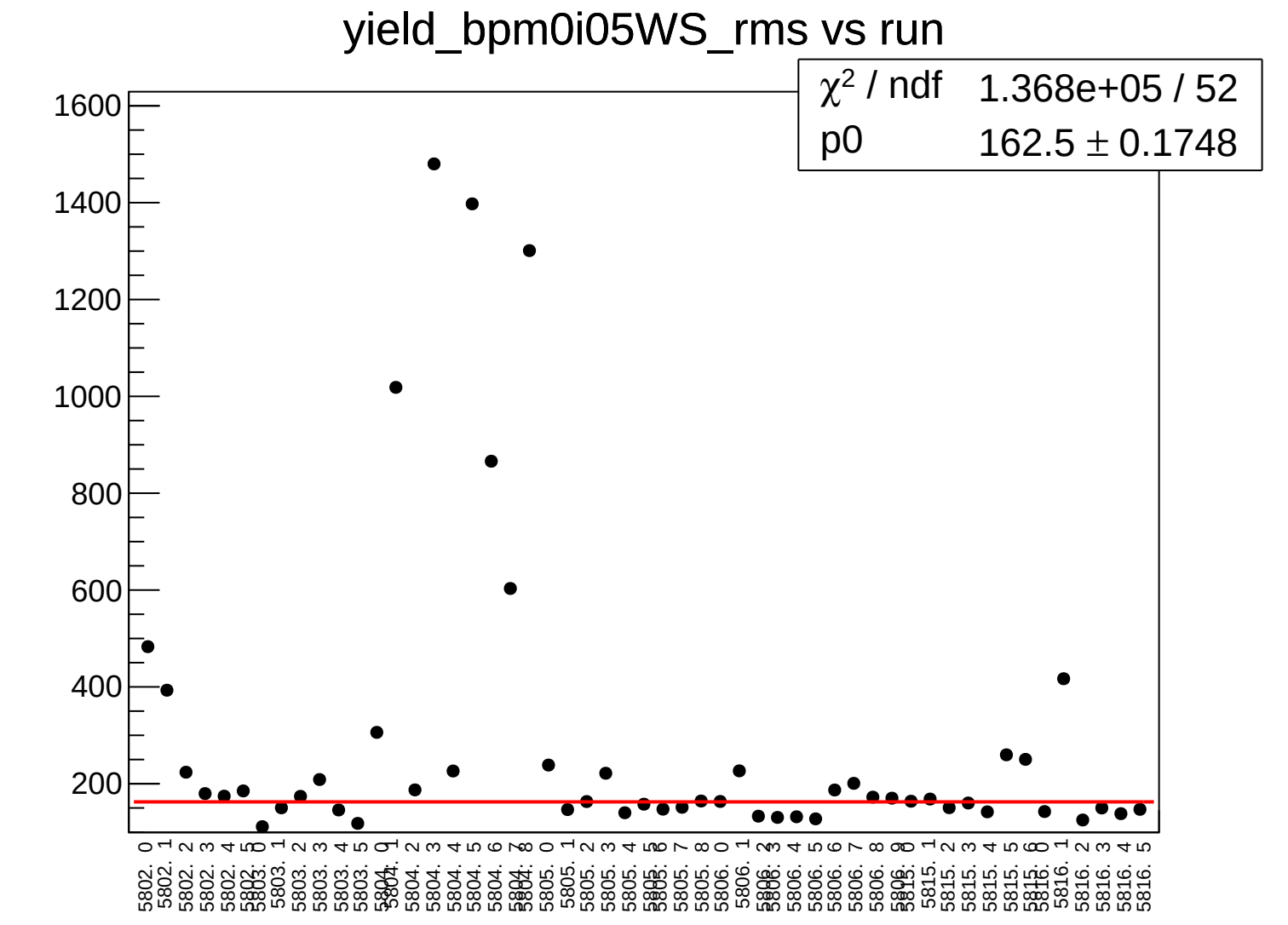

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.665e+07 / 52
p0 1.371e+05 ± 0.2035
pull
Entries 53
Mean −256.2
Std Dev 0

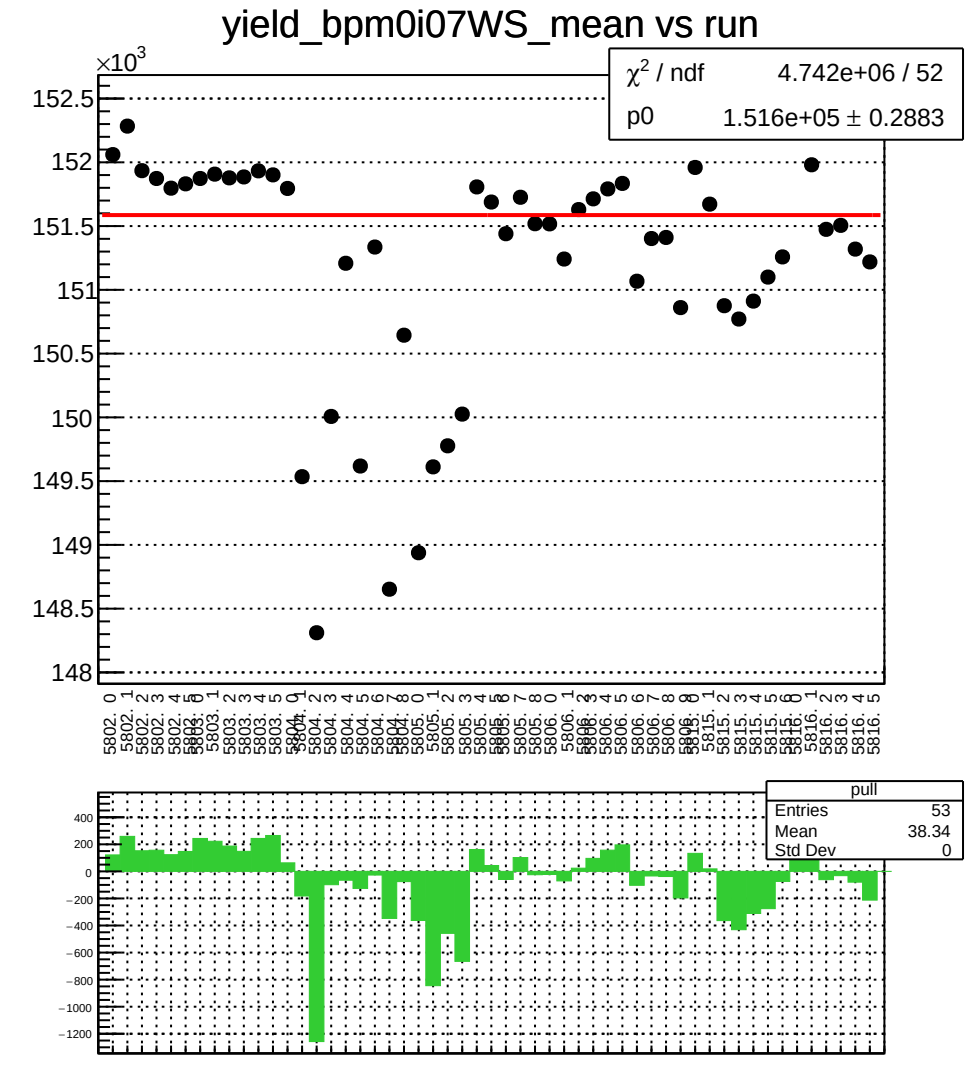

pull1D
Entries 53
Mean 0
Std Dev 0

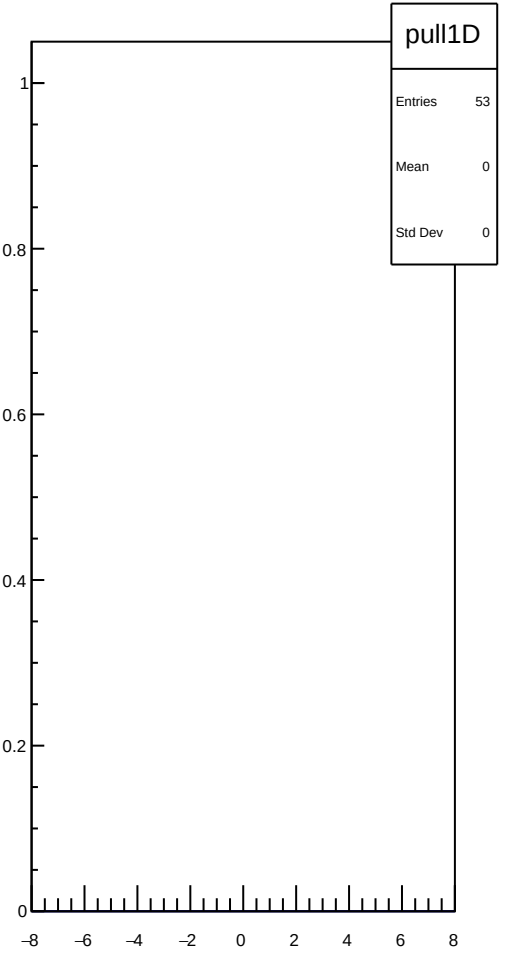

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.289e+05 / 52
p0 134.4 ± 0.1439
1400
1200
1000
800
600
400
200

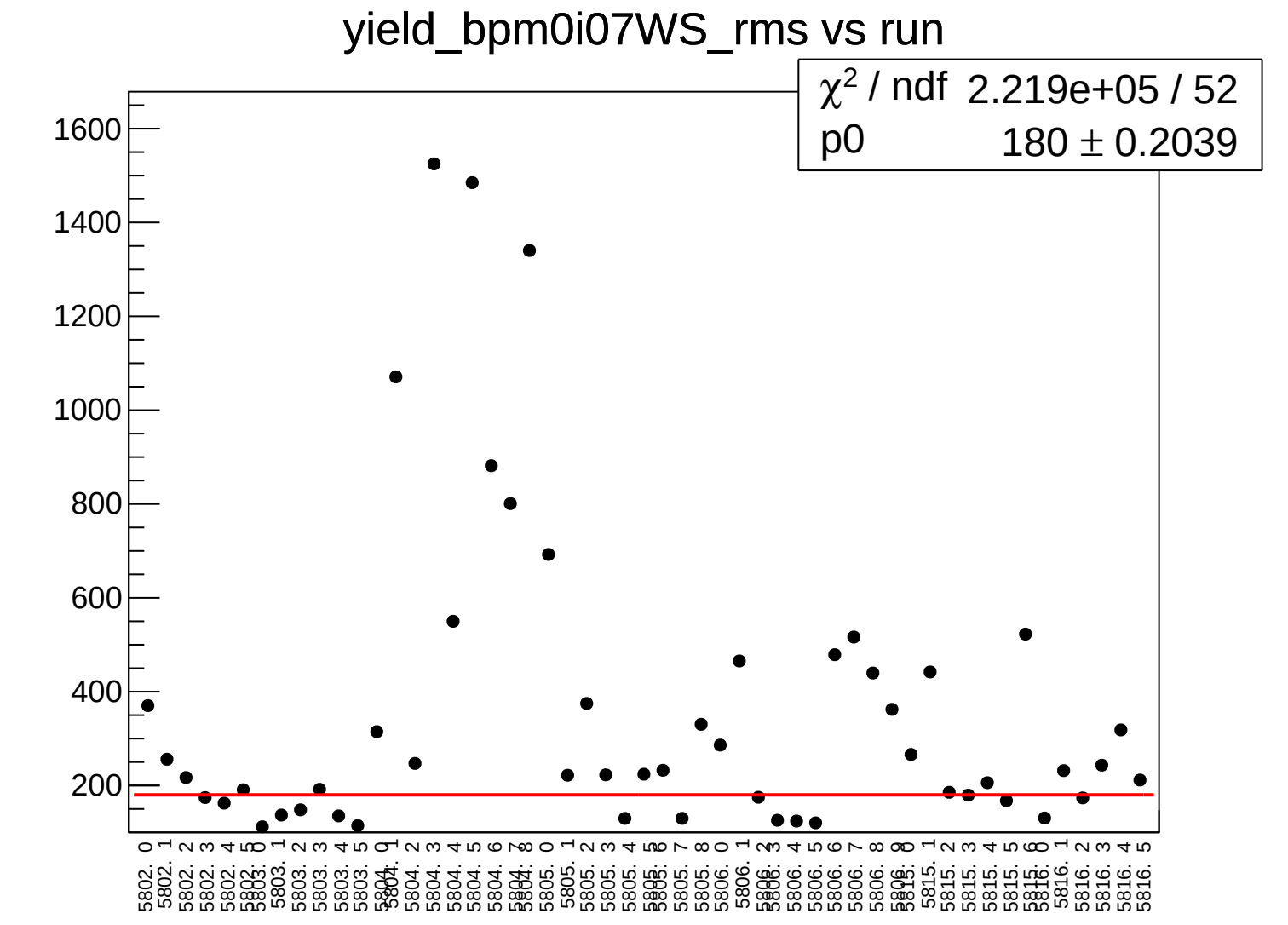

yield_bpm0i05WS_mean vs run
χ² / ndf 5.249e+06 / 52
p0 1.429e+05 ± 0.2472
pull
Entries 53
Mean −13.06
Std Dev 0

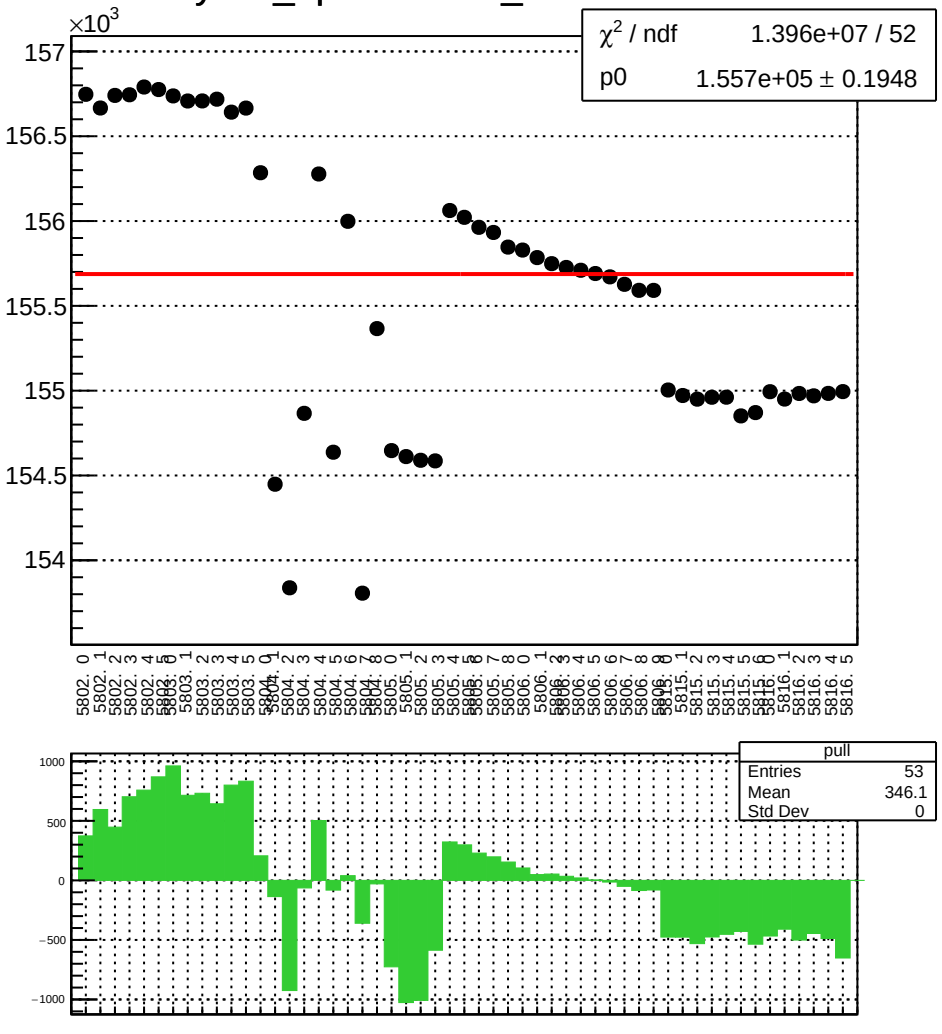

pull1D
Entries 53
Mean −0.8554
Std Dev 0

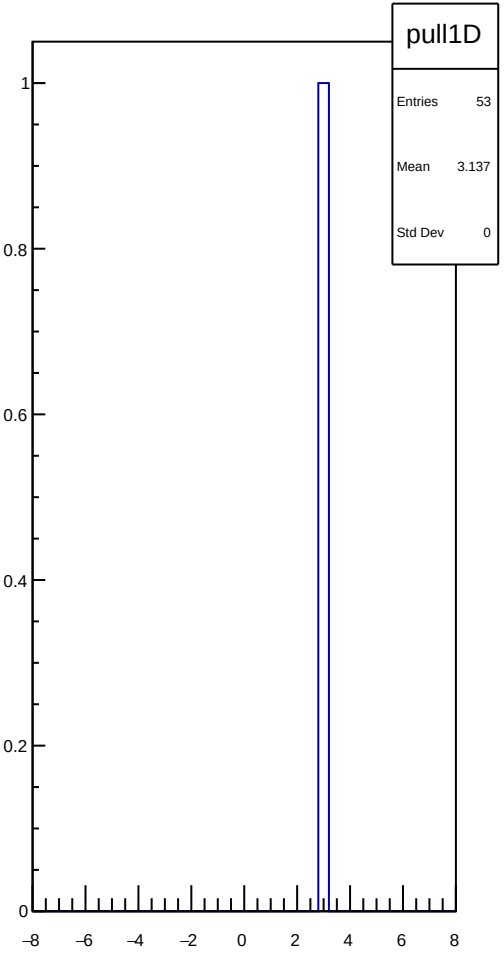

yield_bpm0i05WS_rms vs run
χ² / ndf 1.368e+05 / 52
p0 162.5 ± 0.1748
1600
1400
1200
1000
800
600
400
200

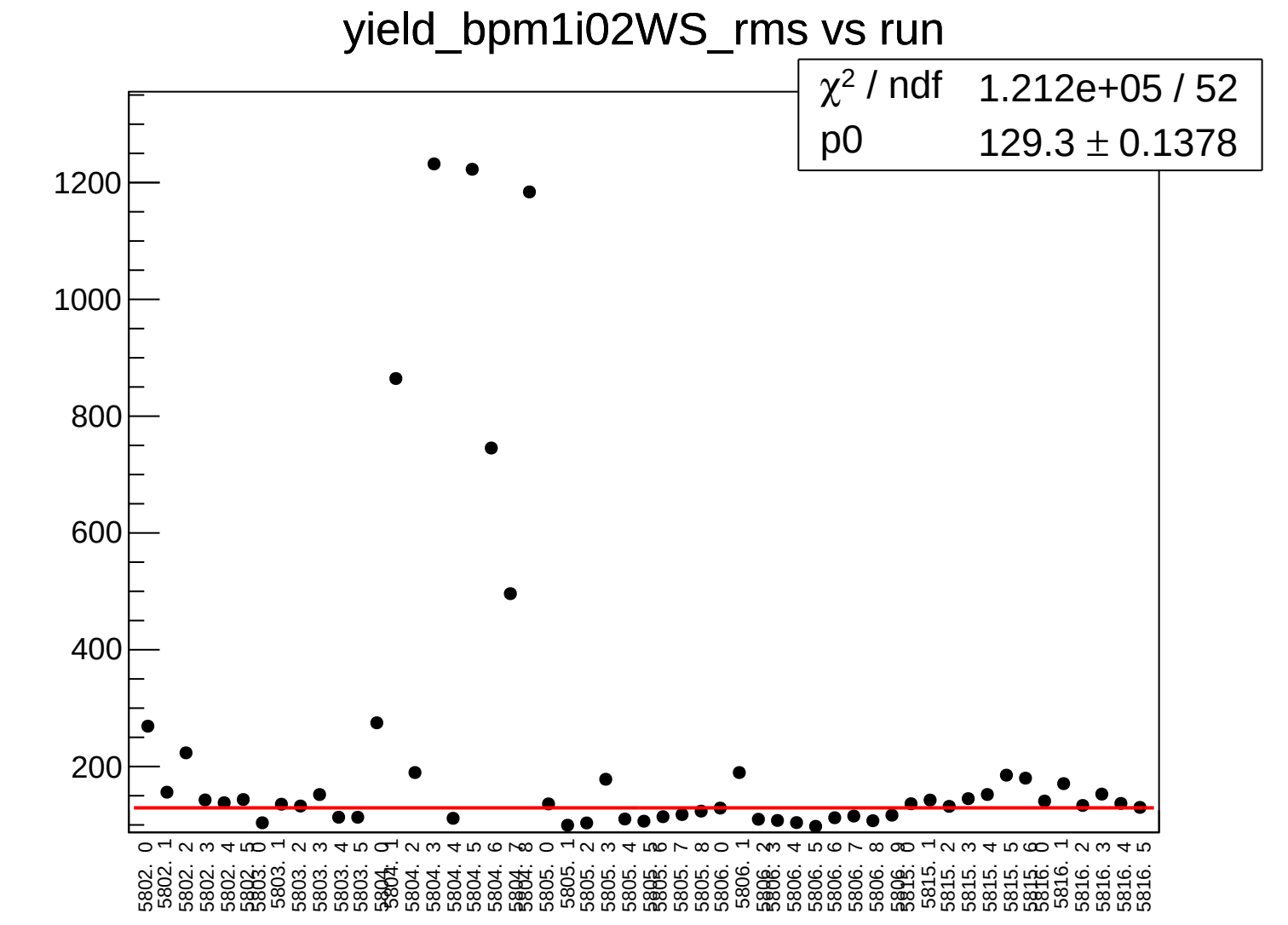

yield_bpm0i07WS_mean vs run
χ² / ndf 4.742e+06 / 52
p0 1.516e+05 ± 0.2883
×10³
pull
Entries 53
Mean 38.34
Std Dev 0

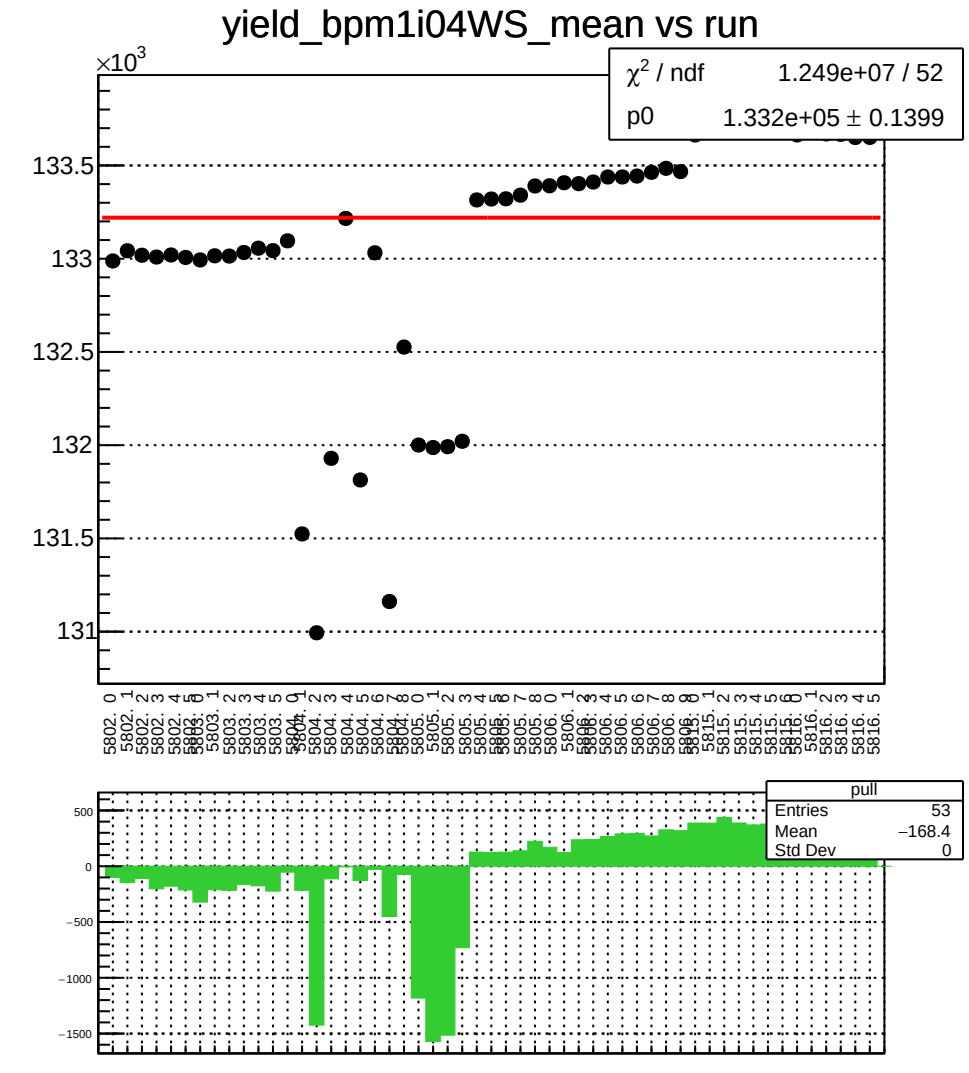

pull1D
Entries 53
Mean 0
Std Dev 0

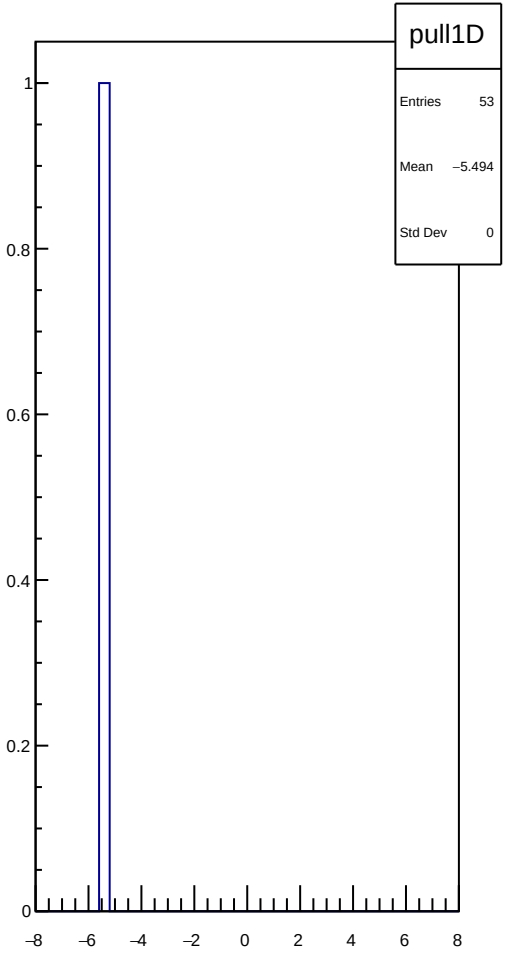

yield_bpm0i07WS_rms vs run
χ² / ndf 2.219e+05 / 52
p0 180 ± 0.2039
1600
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

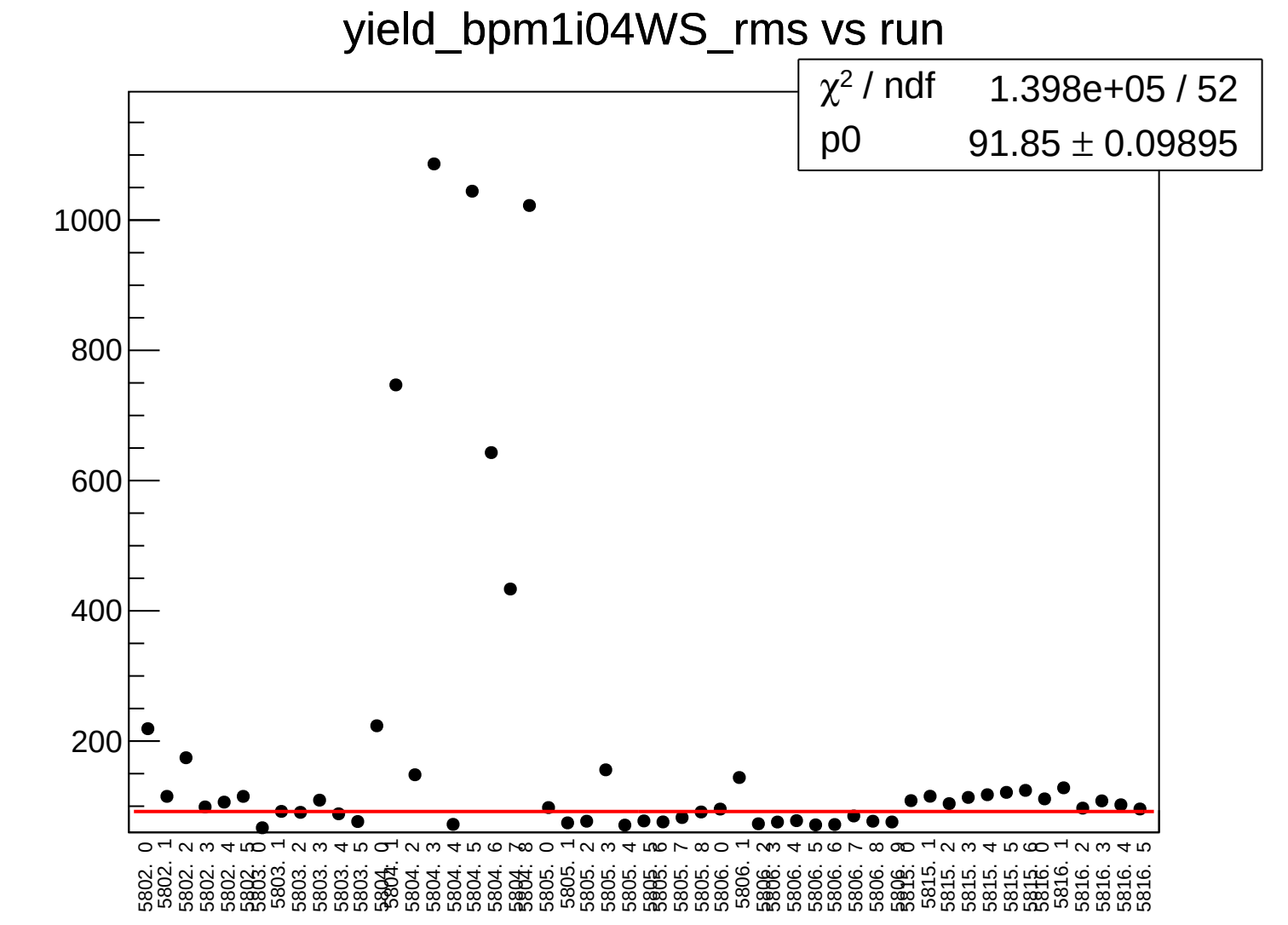

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.396e+07 / 52
p0 1.557e+05 ± 0.1948
157
156.5
156
155.5
155
154.5
154
pull
Entries 53
Mean 346.1
Std Dev 0
1000
500
0
−500
−1000

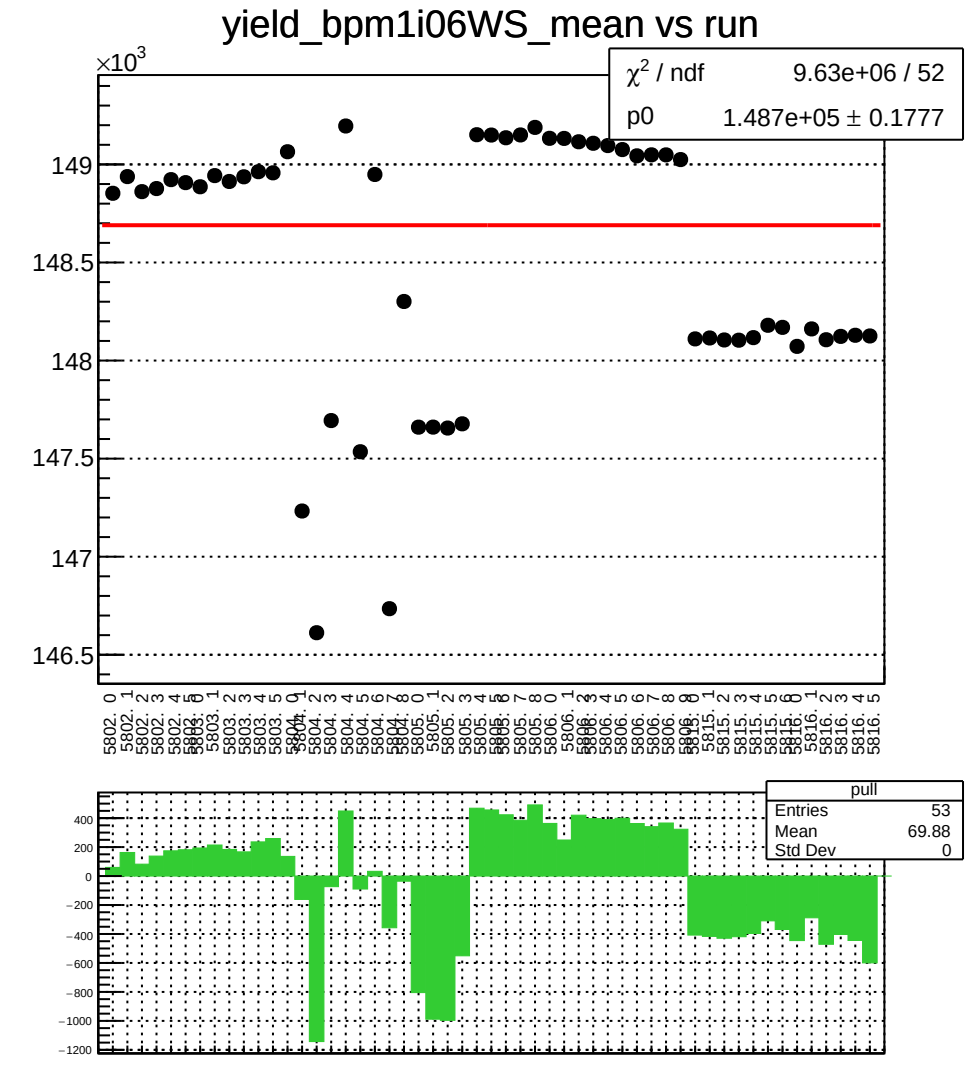

pull1D
Entries 53
Mean 3.137
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

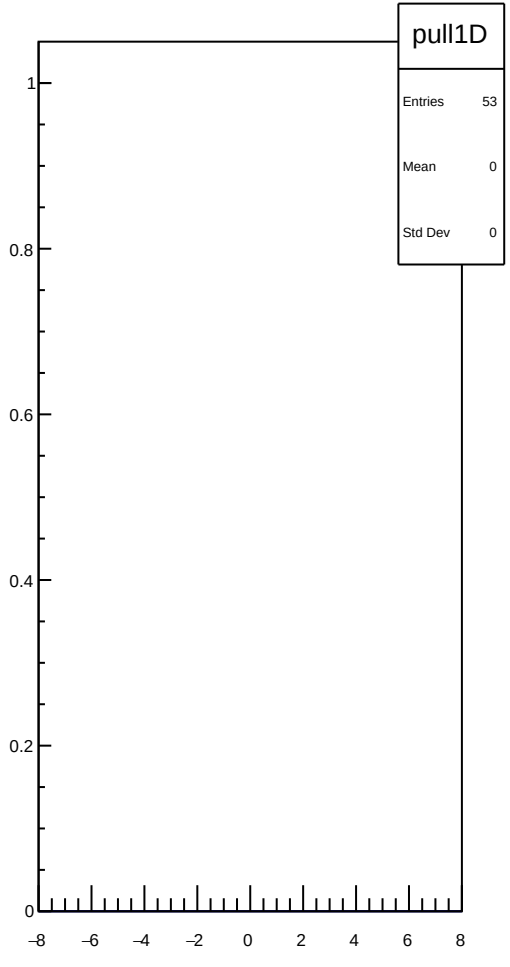

yield_bpm1i02WS_rms vs run
χ² / ndf 1.212e+05 / 52
p0 129.3 ± 0.1378
1200
1000
800
600
400
200

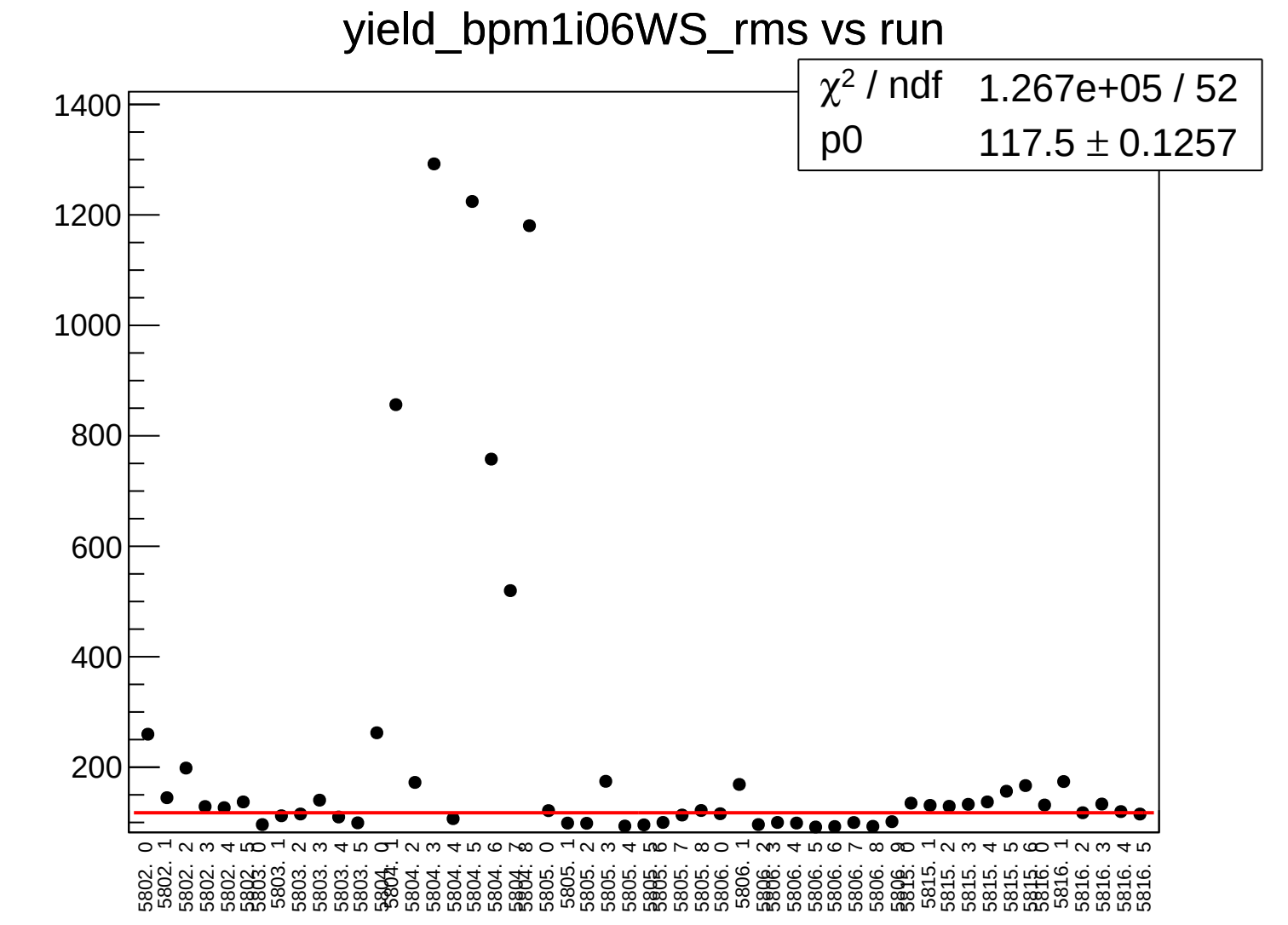

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.249e+07 / 52
p0 1.332e+05 ± 0.1399
133.5
133
132.5
132
131.5
131
pull
Entries 53
Mean −168.4
Std Dev 0
500
0
−500
−1000
−1500

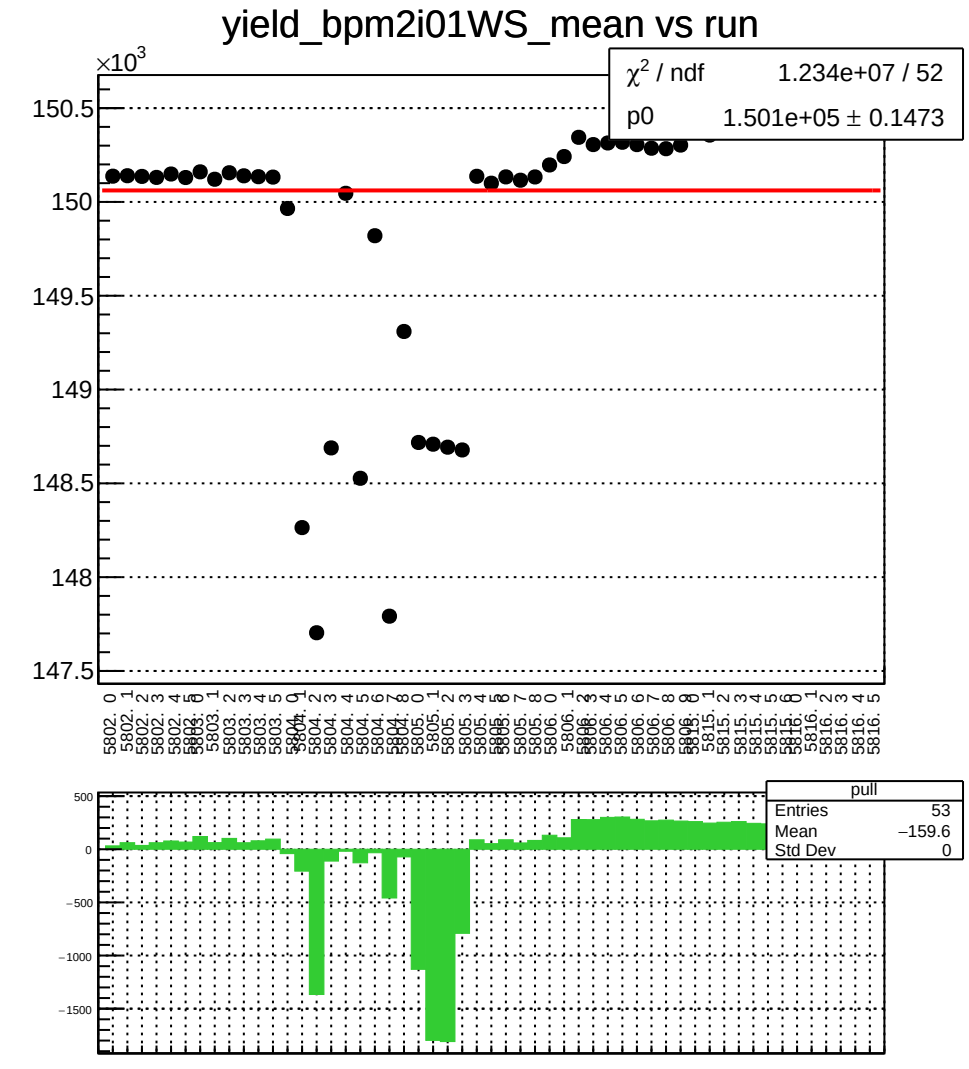

pull1D
Entries 53
Mean −5.494
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

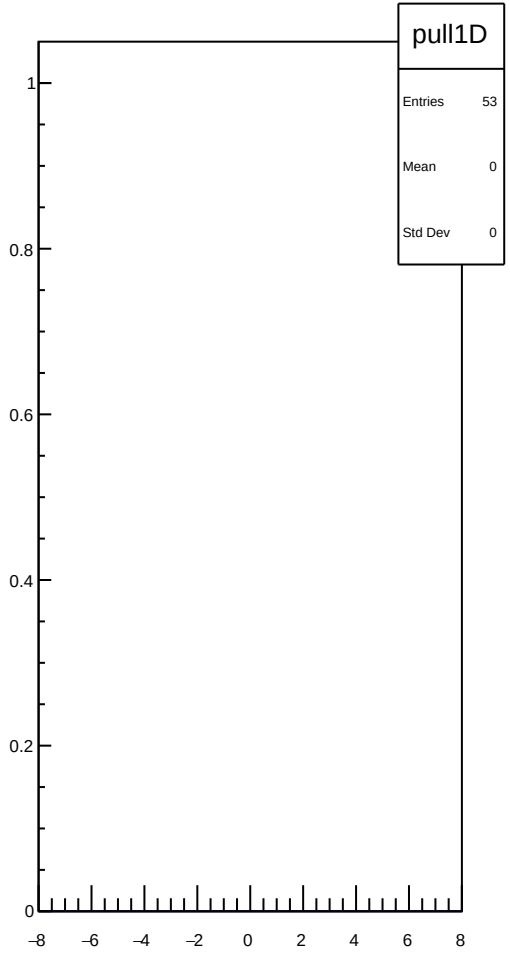

yield_bpm1i04WS_rms vs run
χ² / ndf 1.398e+05 / 52
p0 91.85 ± 0.09895
1000
800
600
400
200

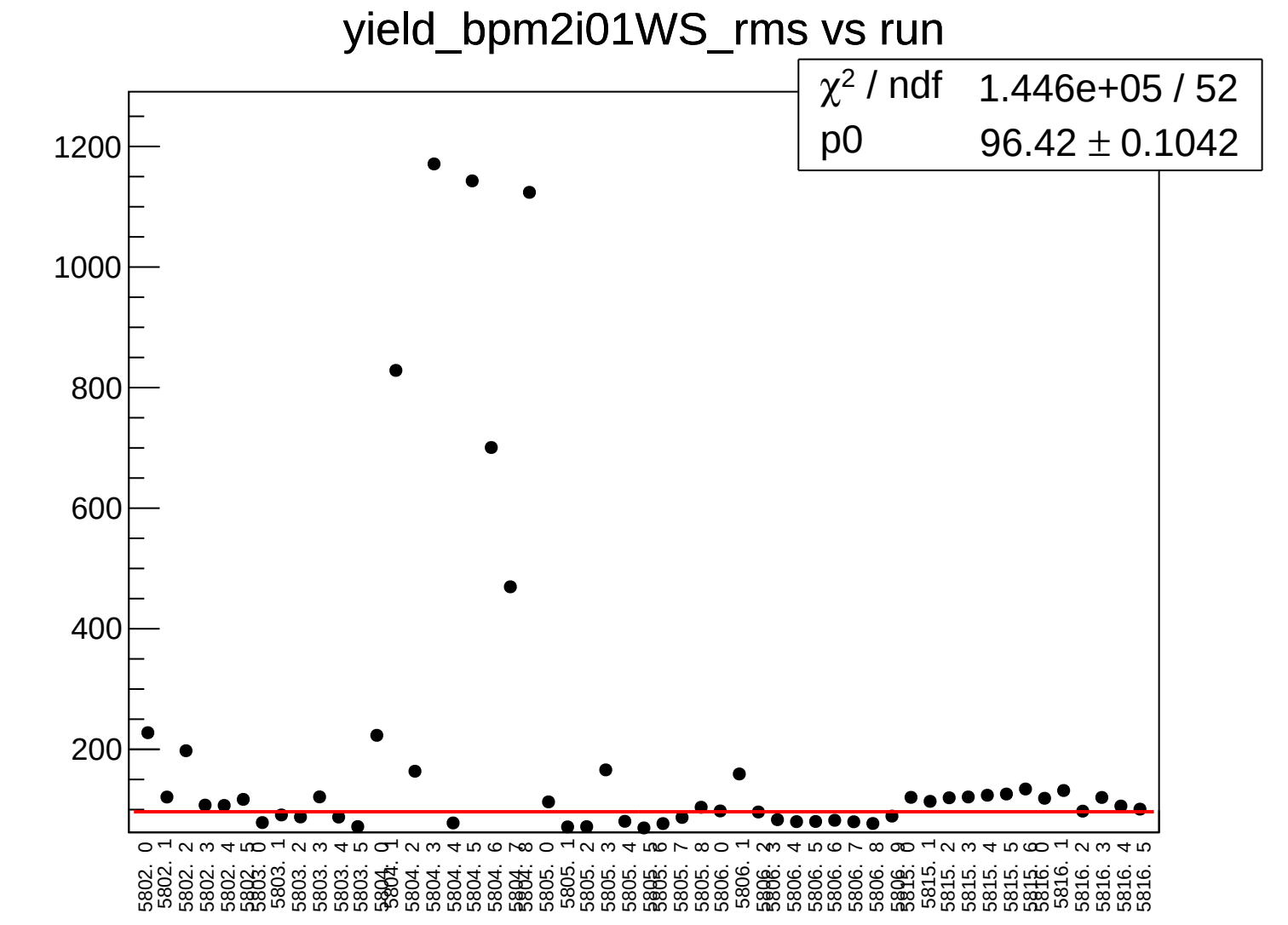

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 9.63e+06 / 52
p0 1.487e+05 ± 0.1777
149
148.5
148
147.5
147
146.5
pull
Entries 53
Mean 69.88
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

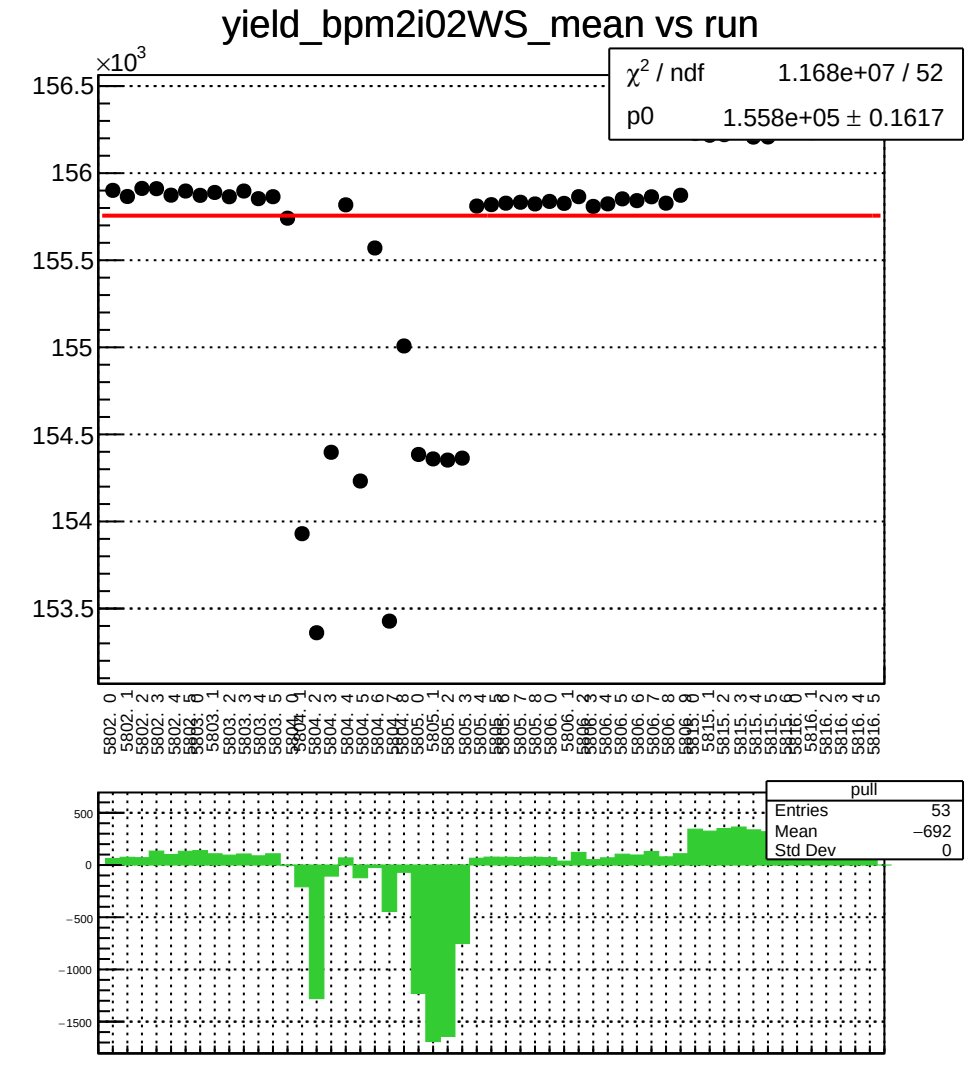

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

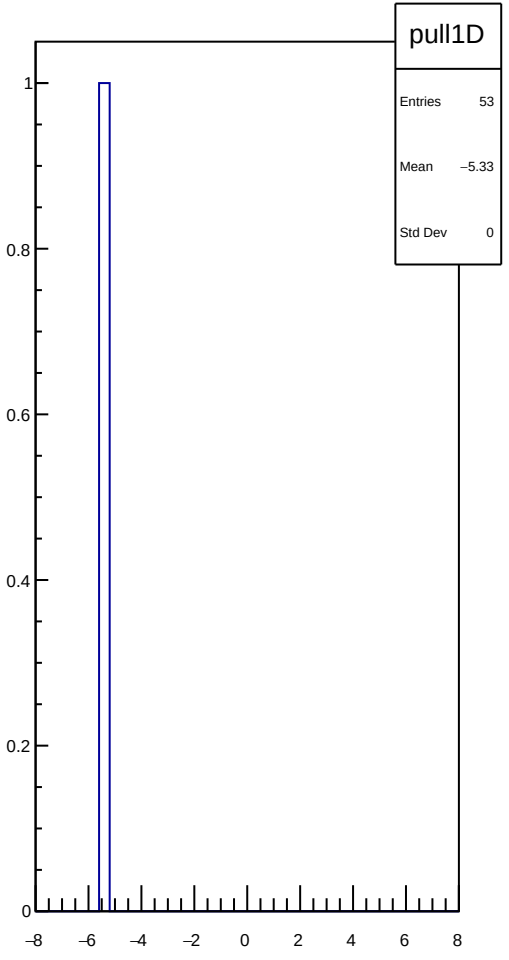

yield_bpm1i06WS_rms vs run
χ² / ndf 1.267e+05 / 52
p0 117.5 ± 0.1257
1400
1200
1000
800
600
400
200

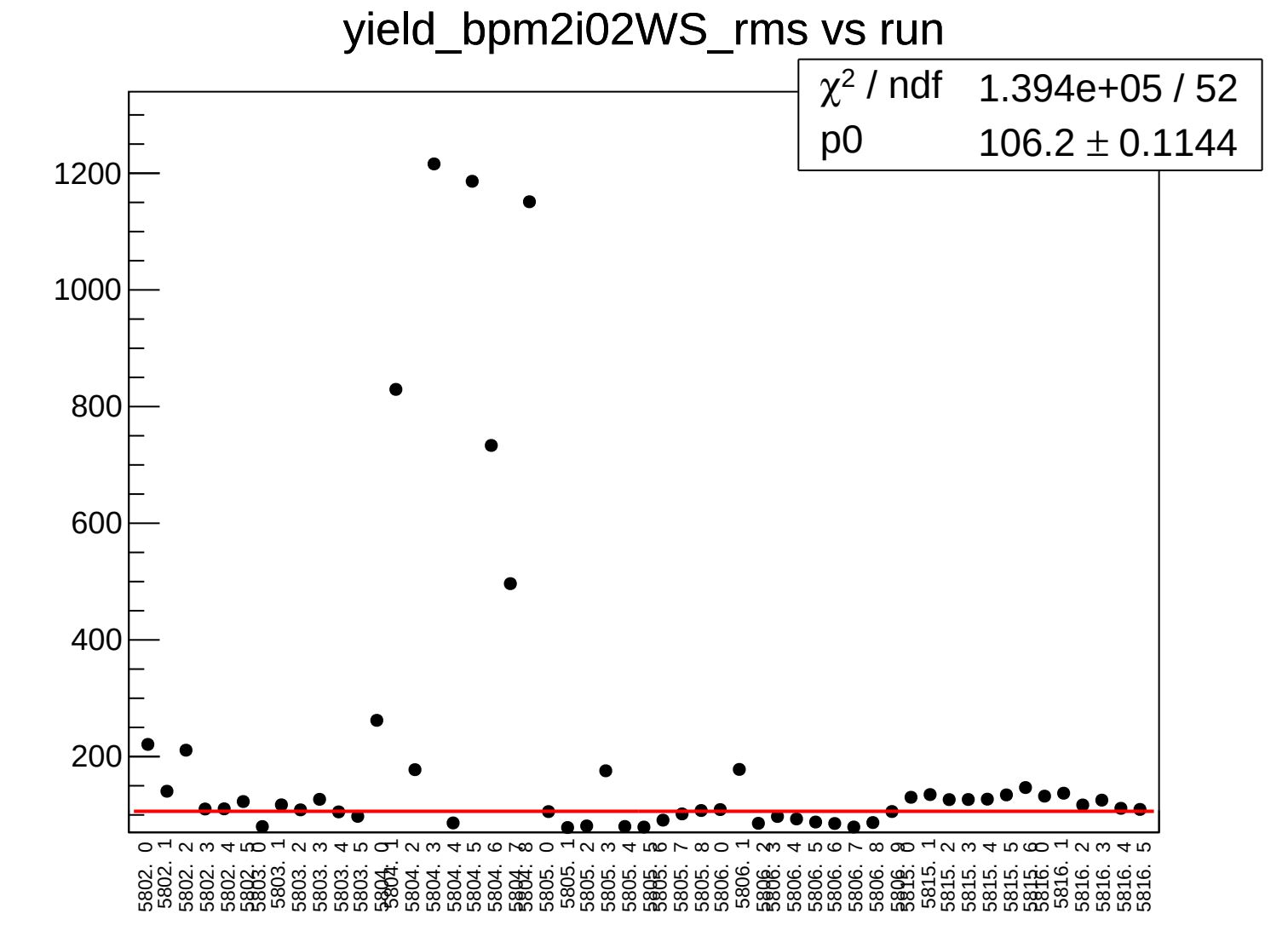

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.234e+07 / 52
p0 1.501e+05 ± 0.1473
150.5
150
149.5
149
148.5
148
147.5
pull
Entries 53
Mean −159.6
Std Dev 0
500
0
−500
−1000
−1500

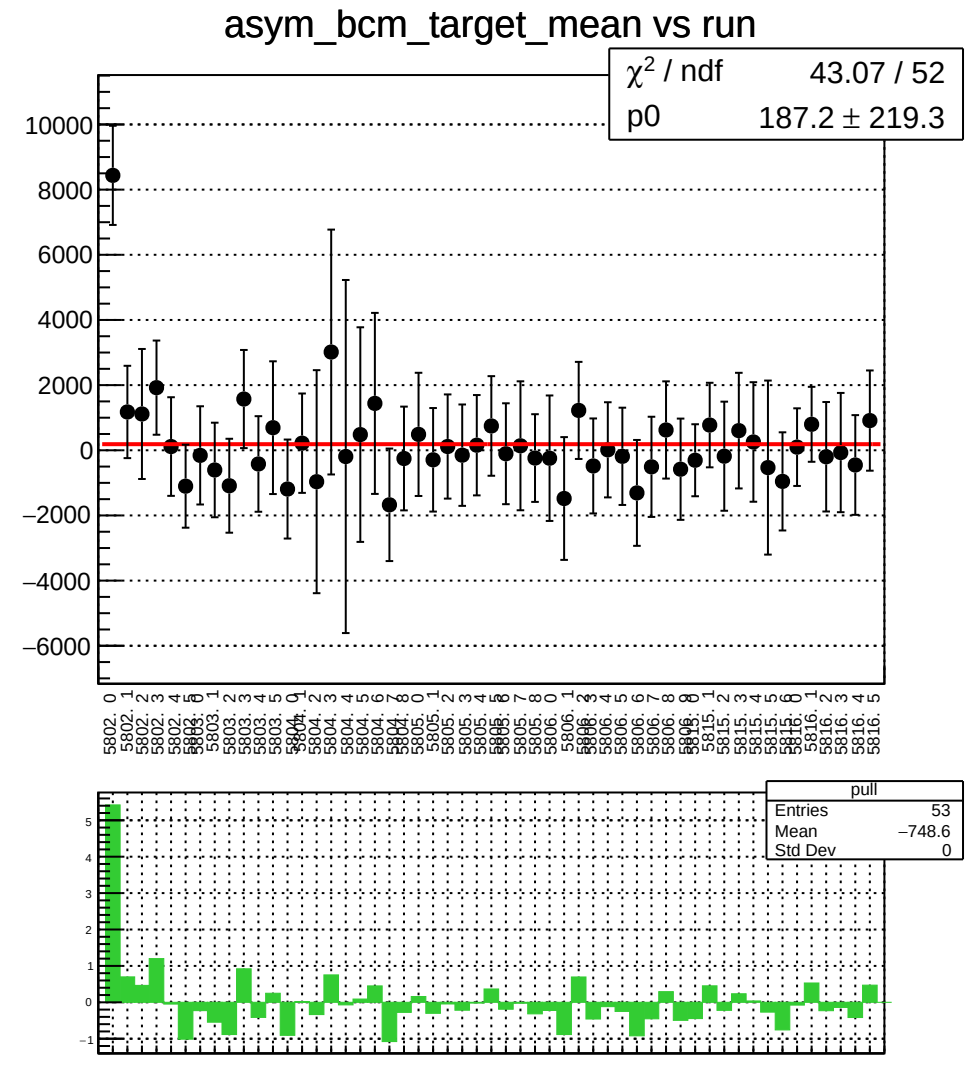

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

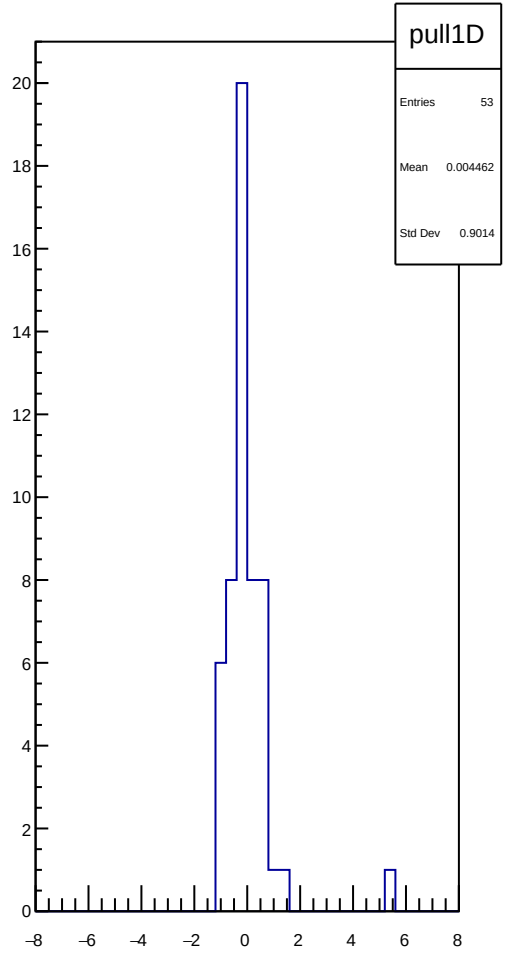

yield_bpm2i01WS_rms vs run
χ² / ndf 1.446e+05 / 52
p0 96.42 ± 0.1042
1200
1000
800
600
400
200

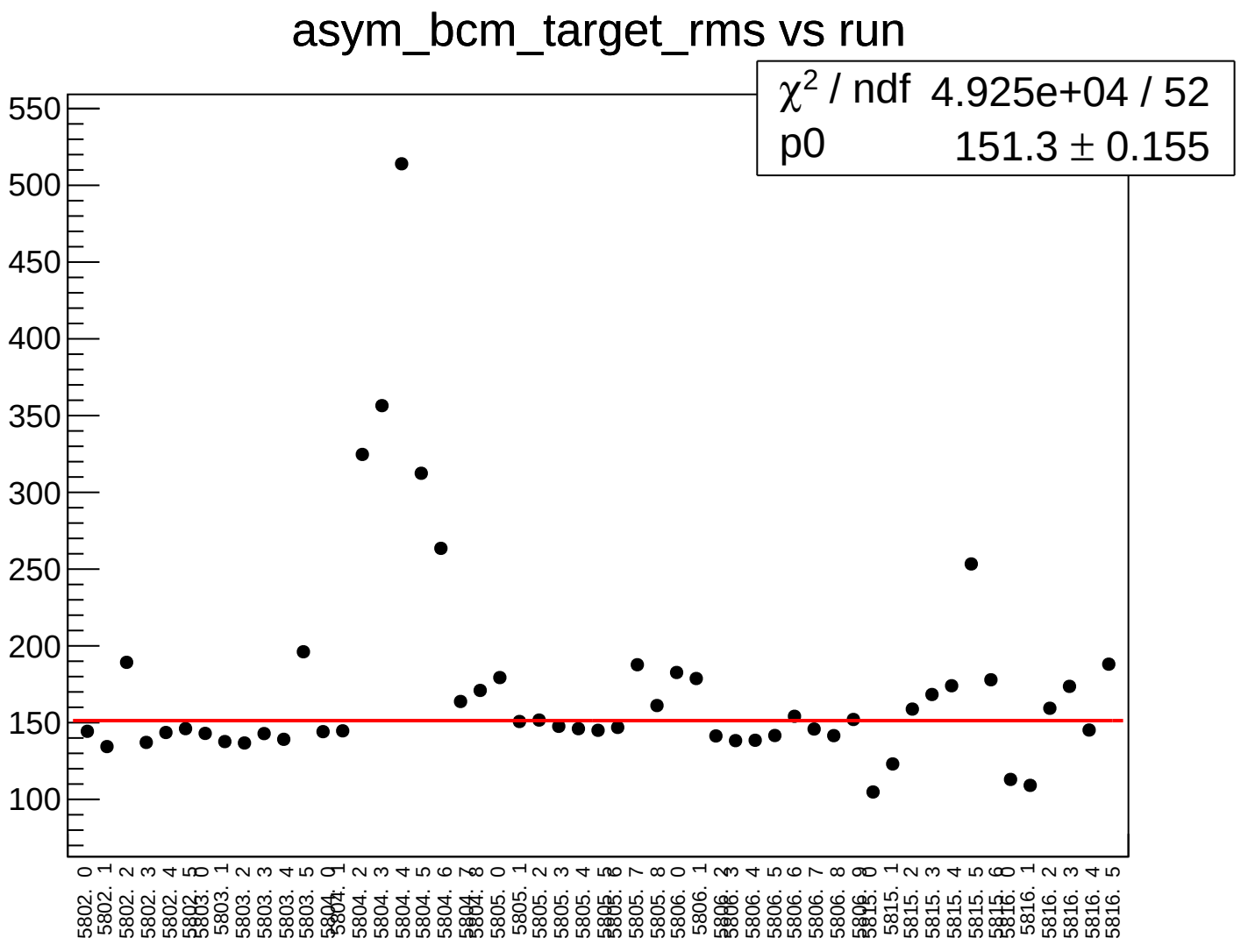

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 1.168e+07 / 52
p0 1.558e+05 ± 0.1617
156.5
156
155.5
155
154.5
154
153.5
pull
Entries 53
Mean −692
Std Dev 0
500
0
−500
−1000
−1500

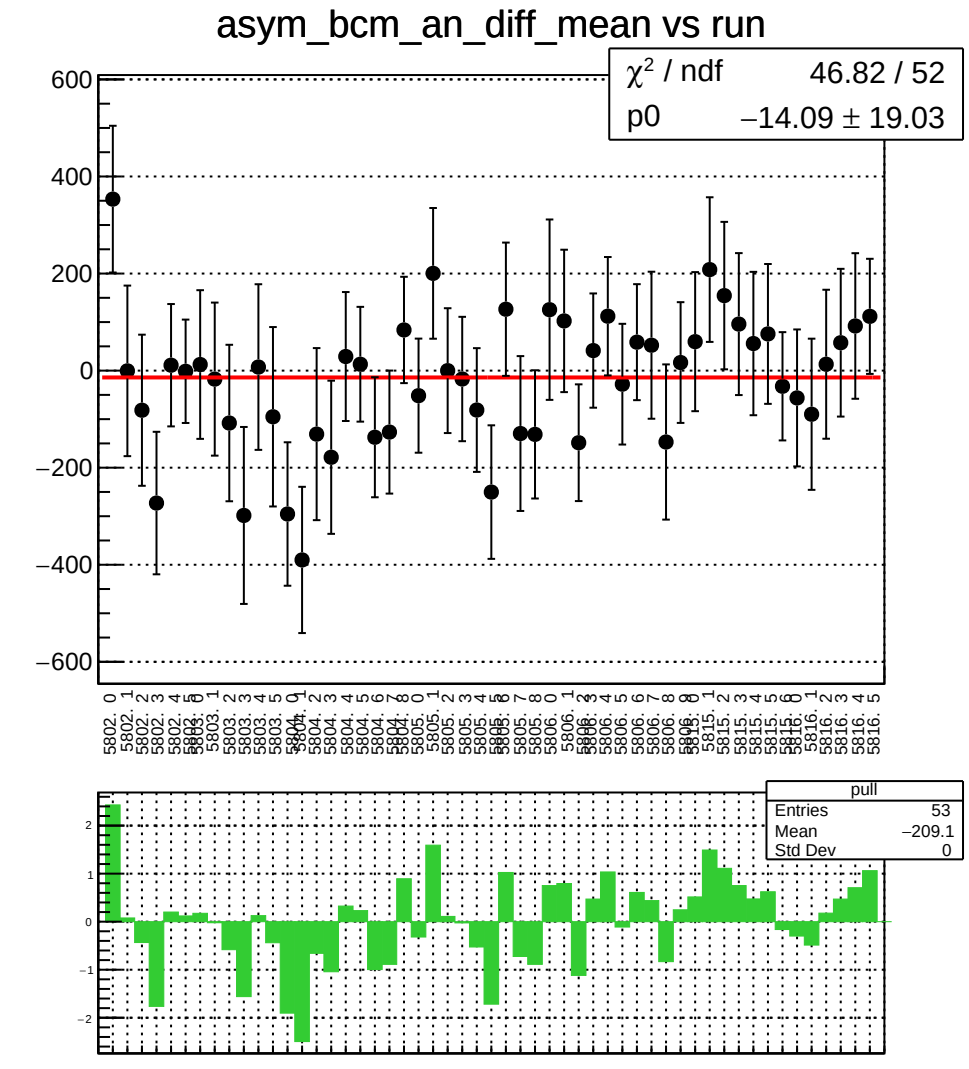

pull1D
Entries 53
Mean −5.33
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

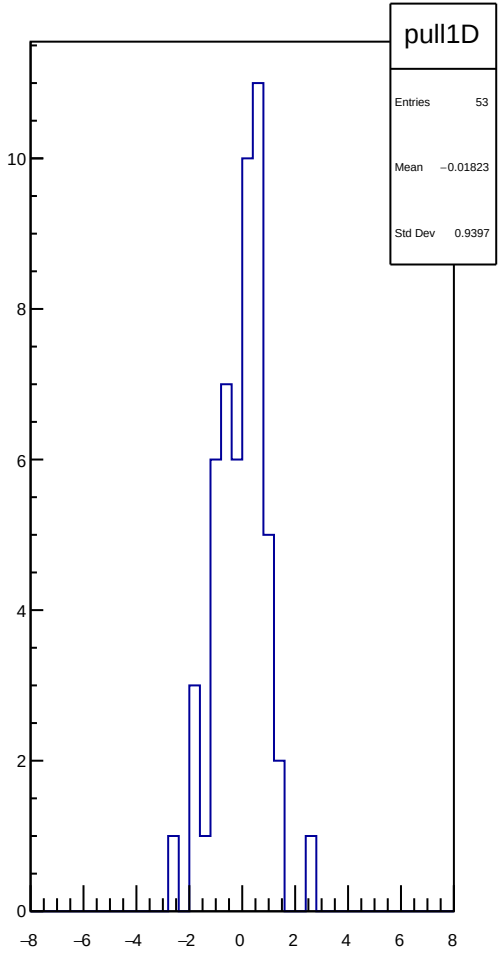

yield_bpm2i02WS_rms vs run
χ² / ndf 1.394e+05 / 52
p0 106.2 ± 0.1144
1200
1000
800
600
400
200

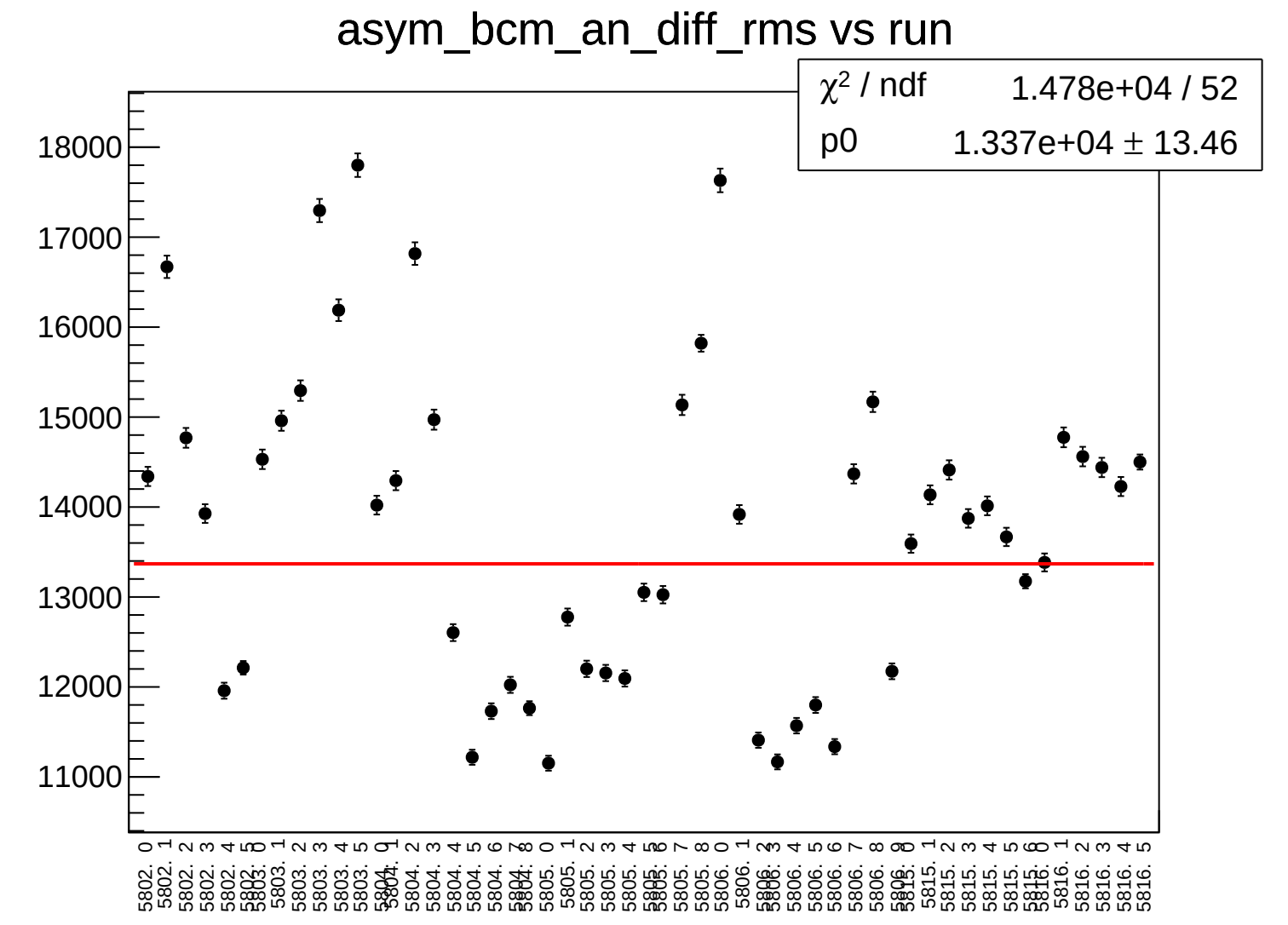

asym_bcm_target_mean vs run
χ² / ndf 43.07 / 52
p0 187.2 ± 219.3
pull
Entries 53
Mean −748.6
Std Dev 0

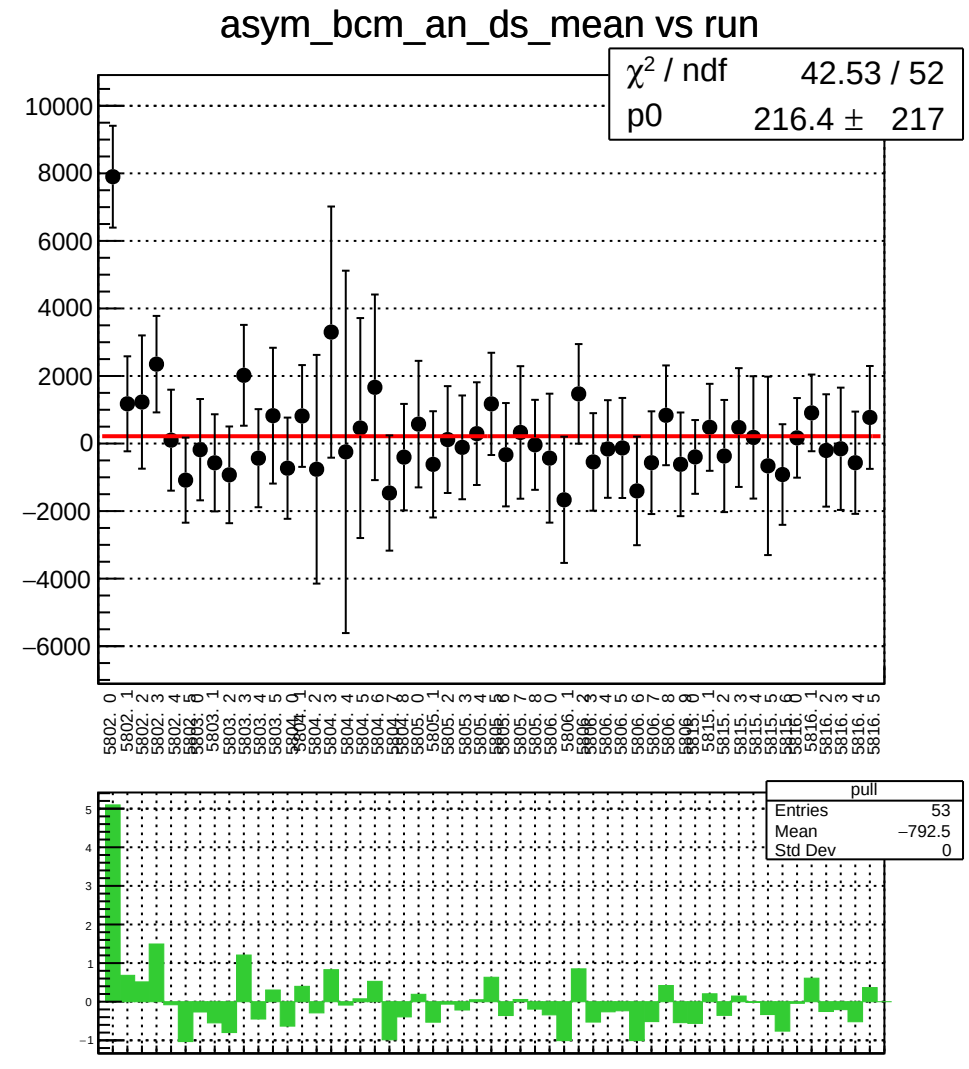

pull1D
Entries 53
Mean 0.004462
Std Dev 0.9014

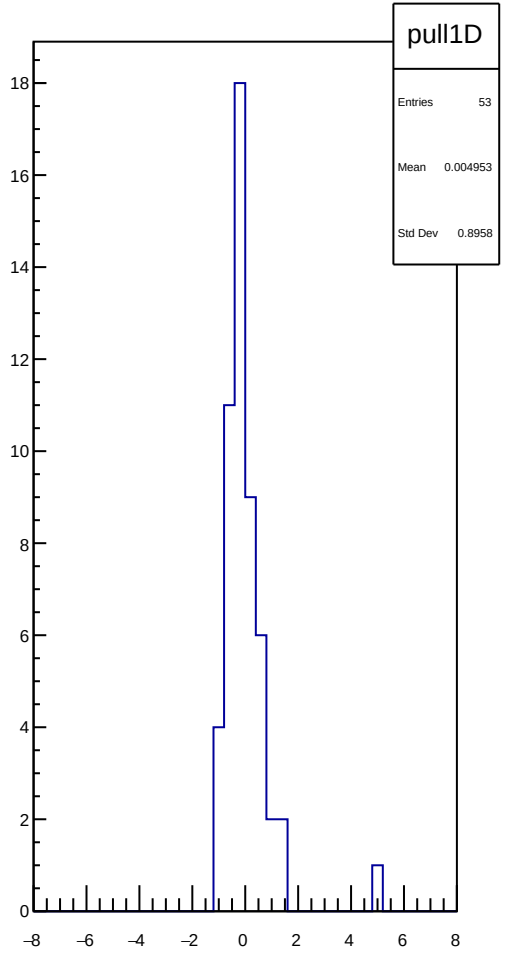

asym_bcm_target_rms vs run
χ^2 / ndf 4.925e+04 / 52
p0 151.3 ± 0.155
550
500
450
400
350
300
250
200
150
100

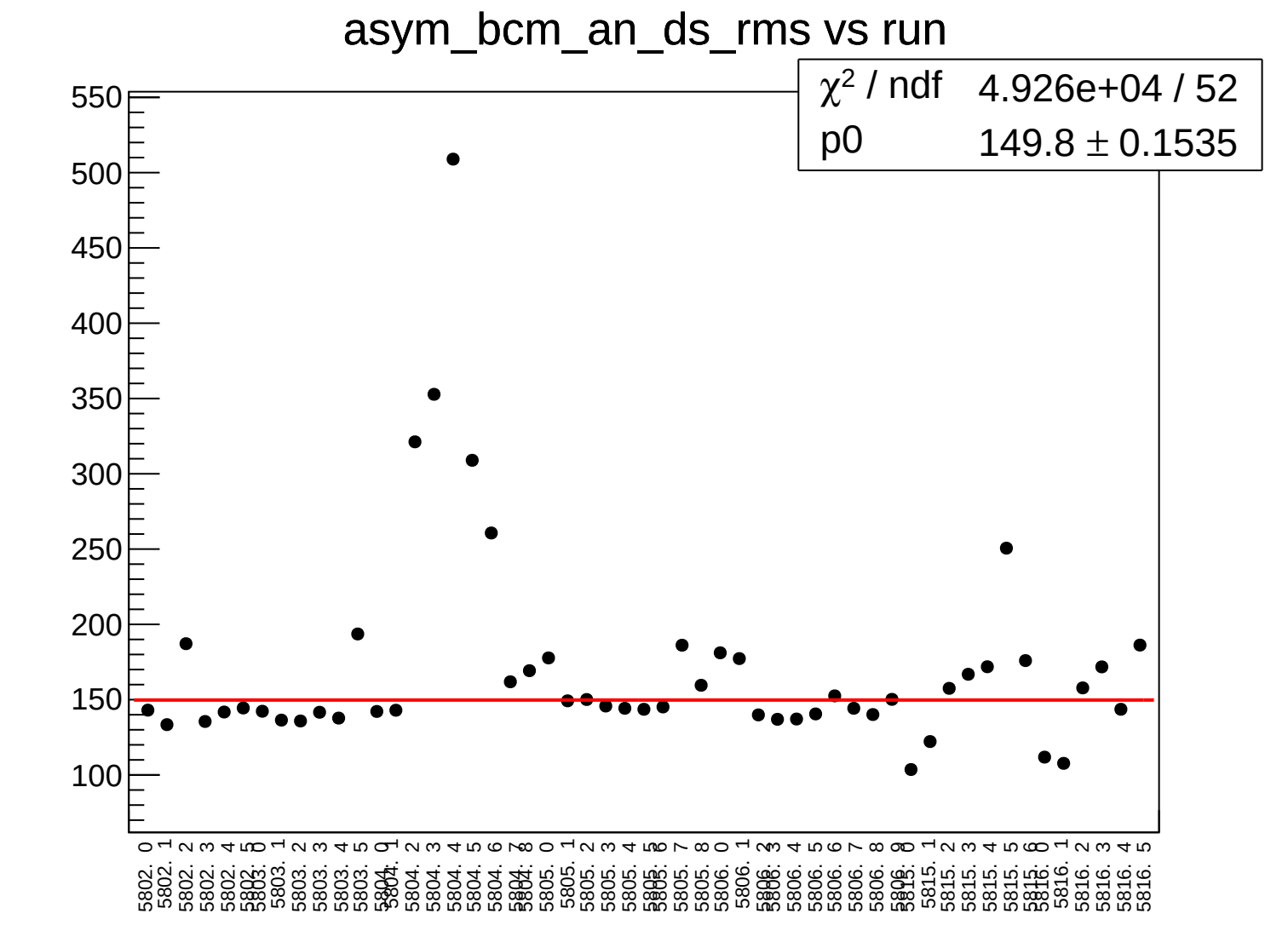

asym_bcm_an_diff_mean vs run
χ² / ndf 46.82 / 52
p0 −14.09 ± 19.03
pull
Entries 53
Mean −209.1
Std Dev 0

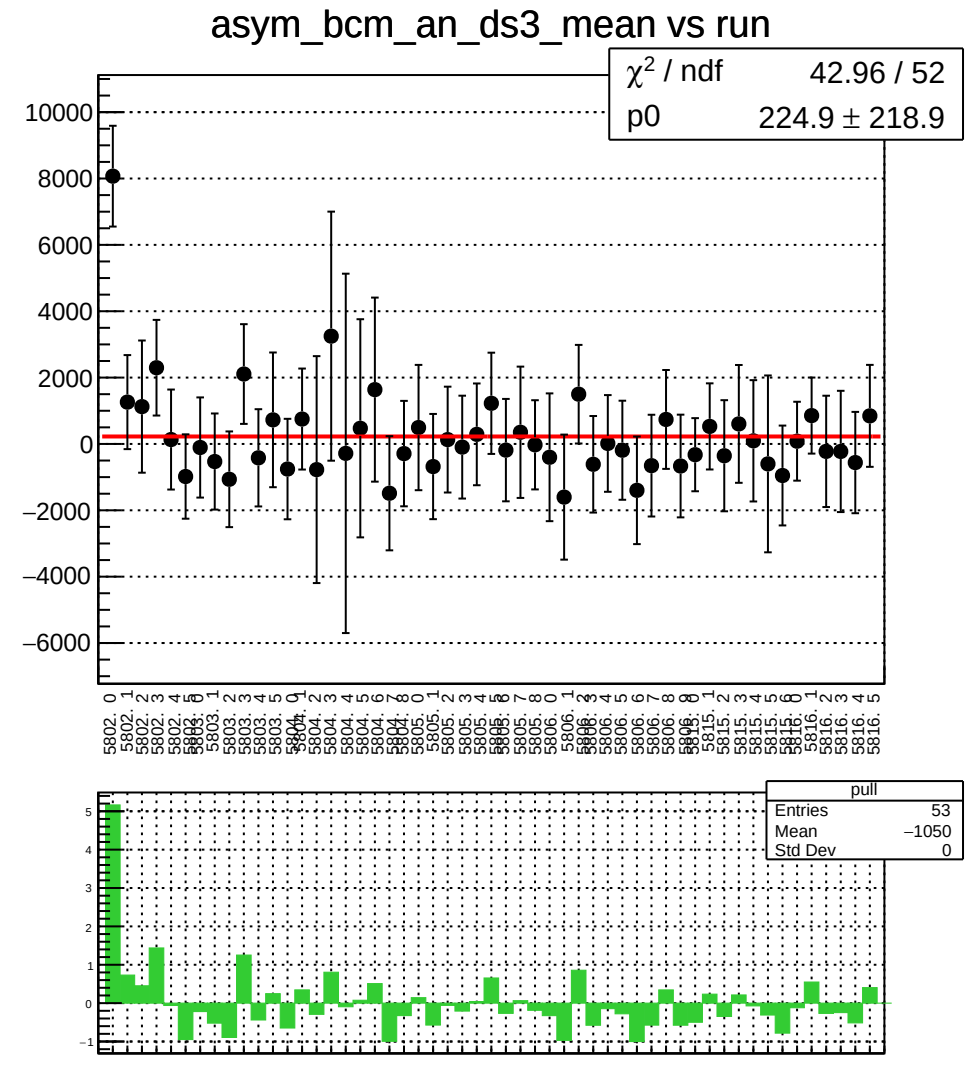

pull1D
Entries 53
Mean −0.01823
Std Dev 0.9397

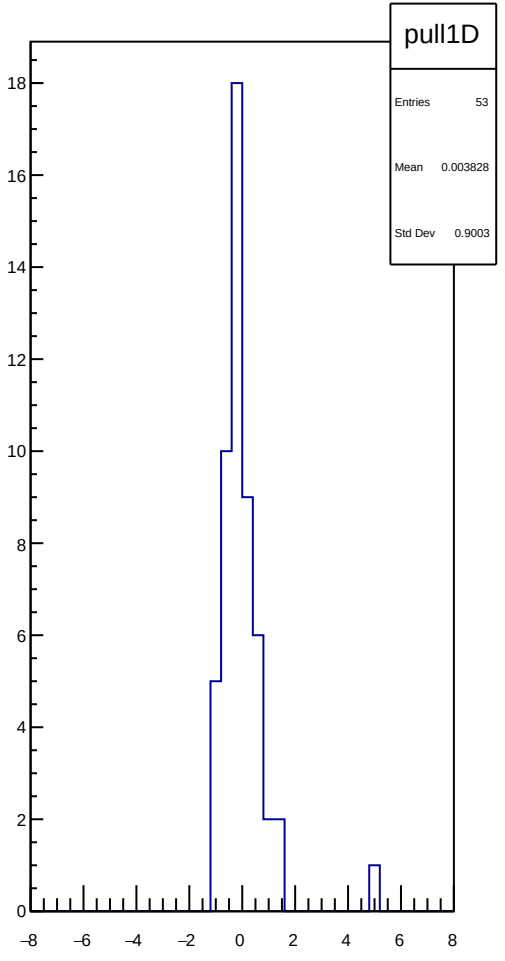

asym_bcm_an_diff_rms vs run
χ² / ndf 1.478e+04 / 52
p0 1.337e+04 ± 13.46
18000
17000
16000
15000
14000
13000
12000
11000

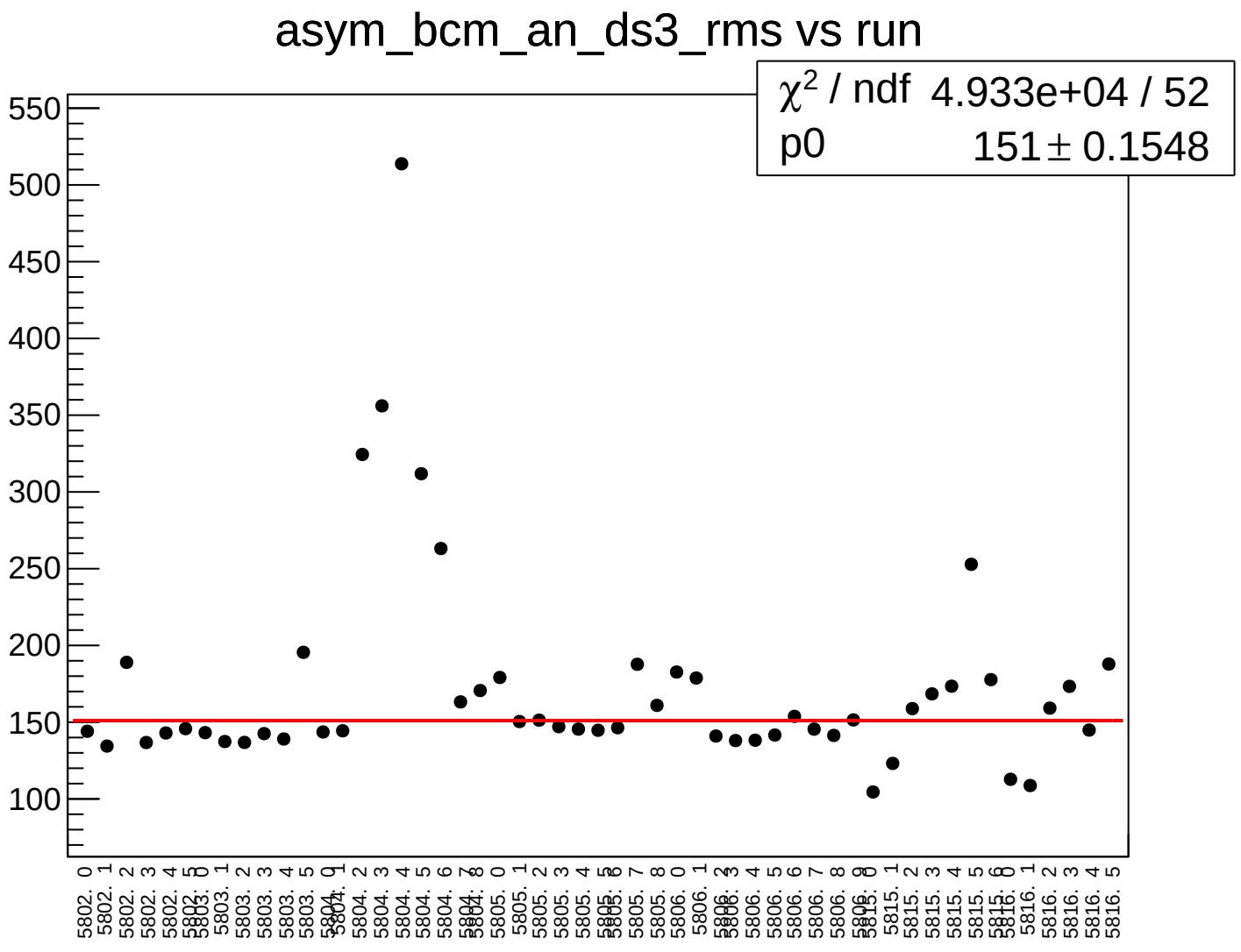

asym_bcm_an_ds_mean vs run
χ² / ndf 42.53 / 52
p0 216.4 ± 217
pull
Entries 53
Mean −792.5
Std Dev 0

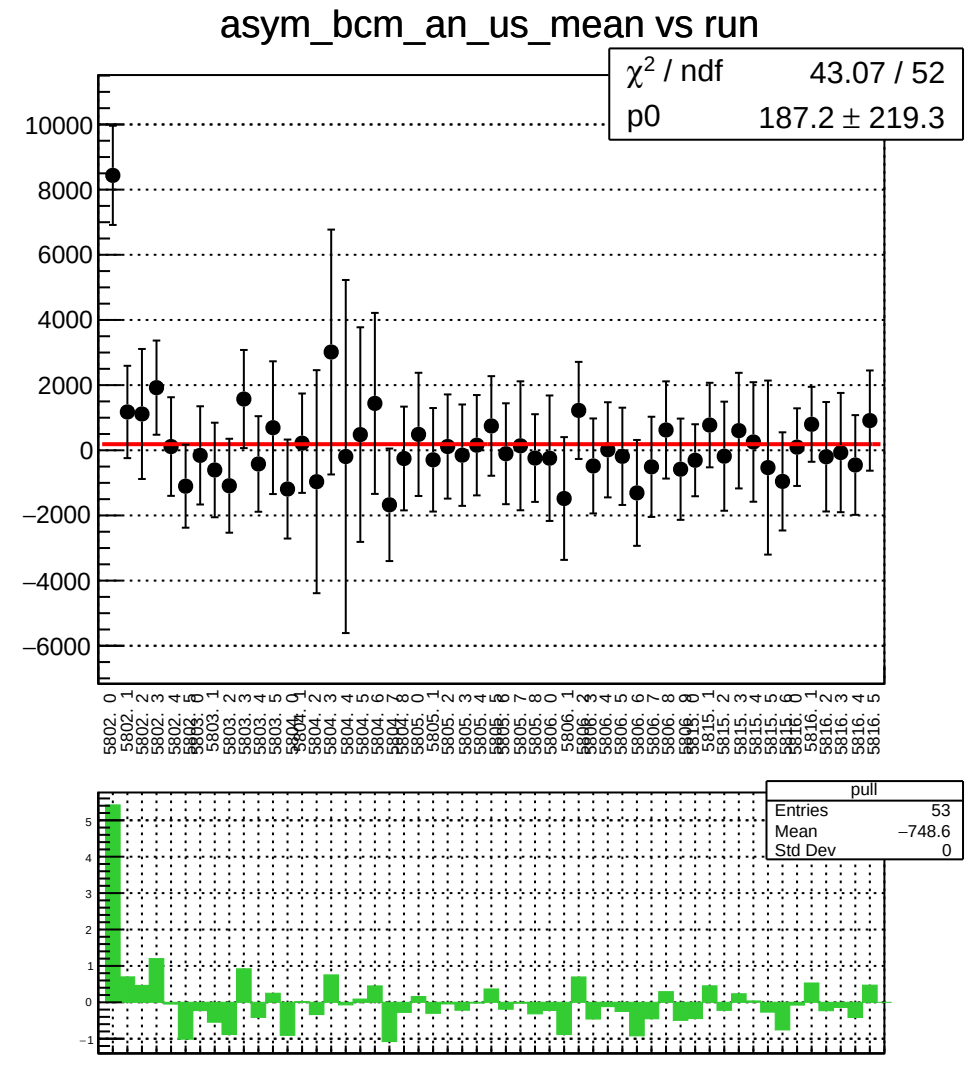

pull1D
Entries 53
Mean 0.004953
Std Dev 0.8958

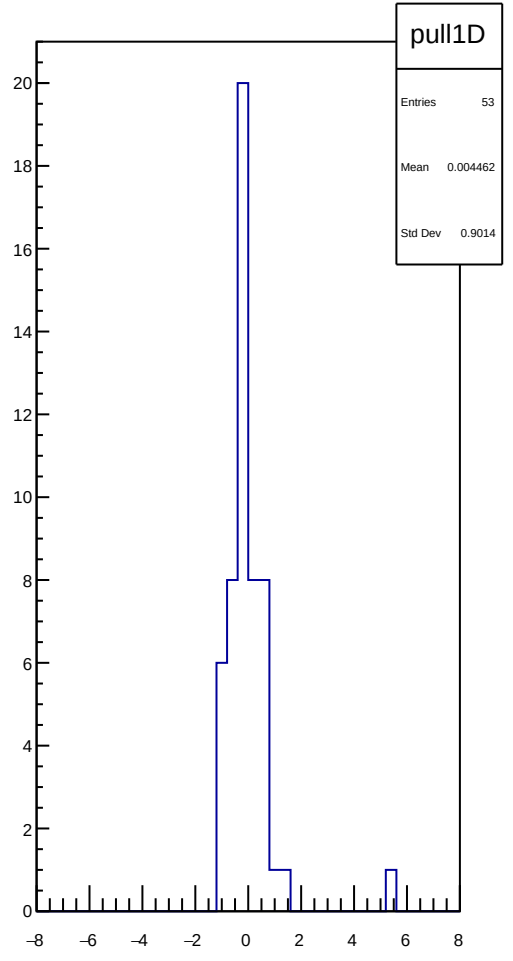

asym_bcm_an_ds_rms vs run
χ² / ndf 4.926e+04 / 52
p0 149.8 ± 0.1535
550
500
450
400
350
300
250
200
150
100

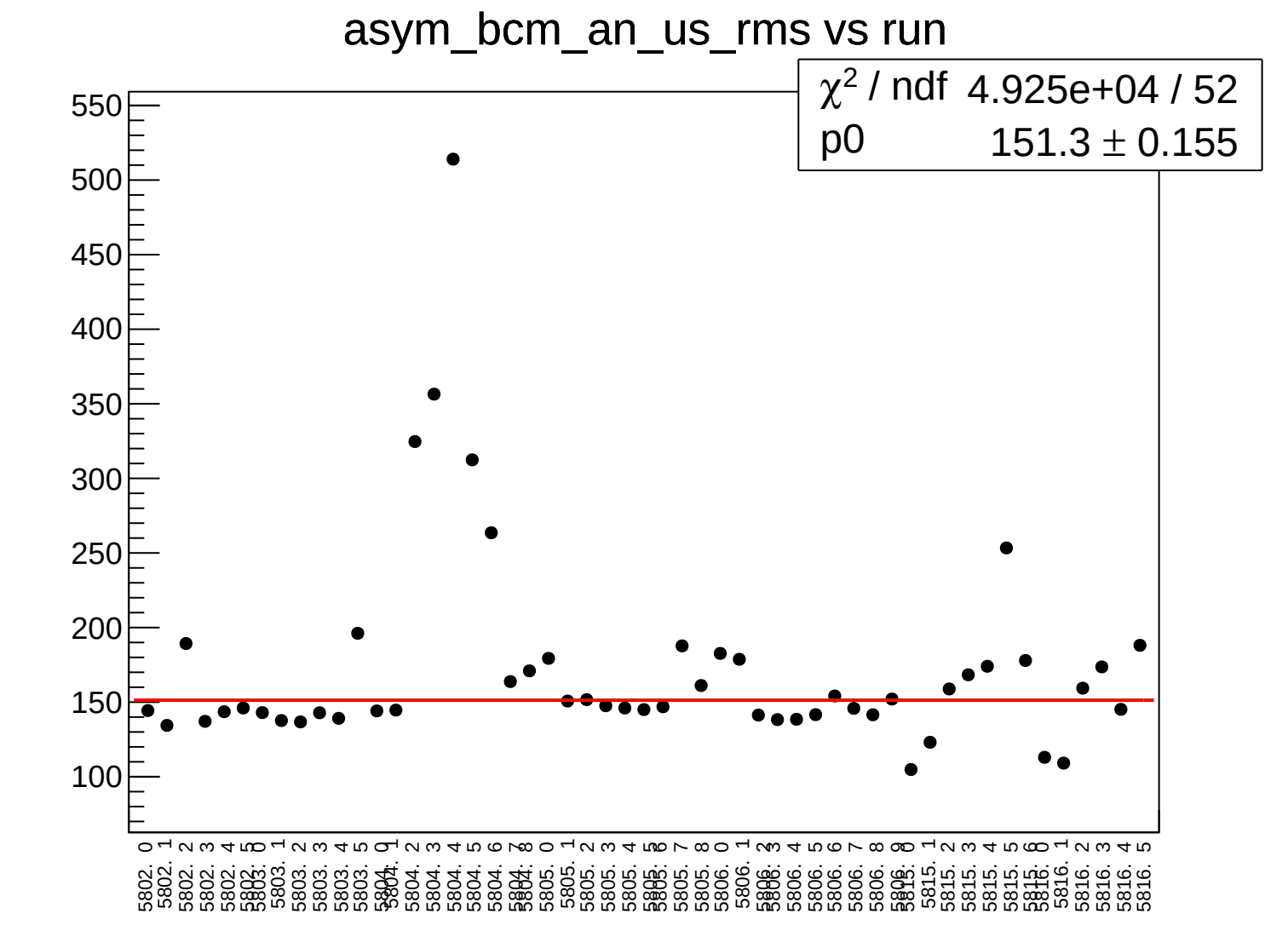

asym_bcm_an_ds3_mean vs run
χ² / ndf 42.96 / 52
p0 224.9 ± 218.9
pull
Entries 53
Mean −1050
Std Dev 0

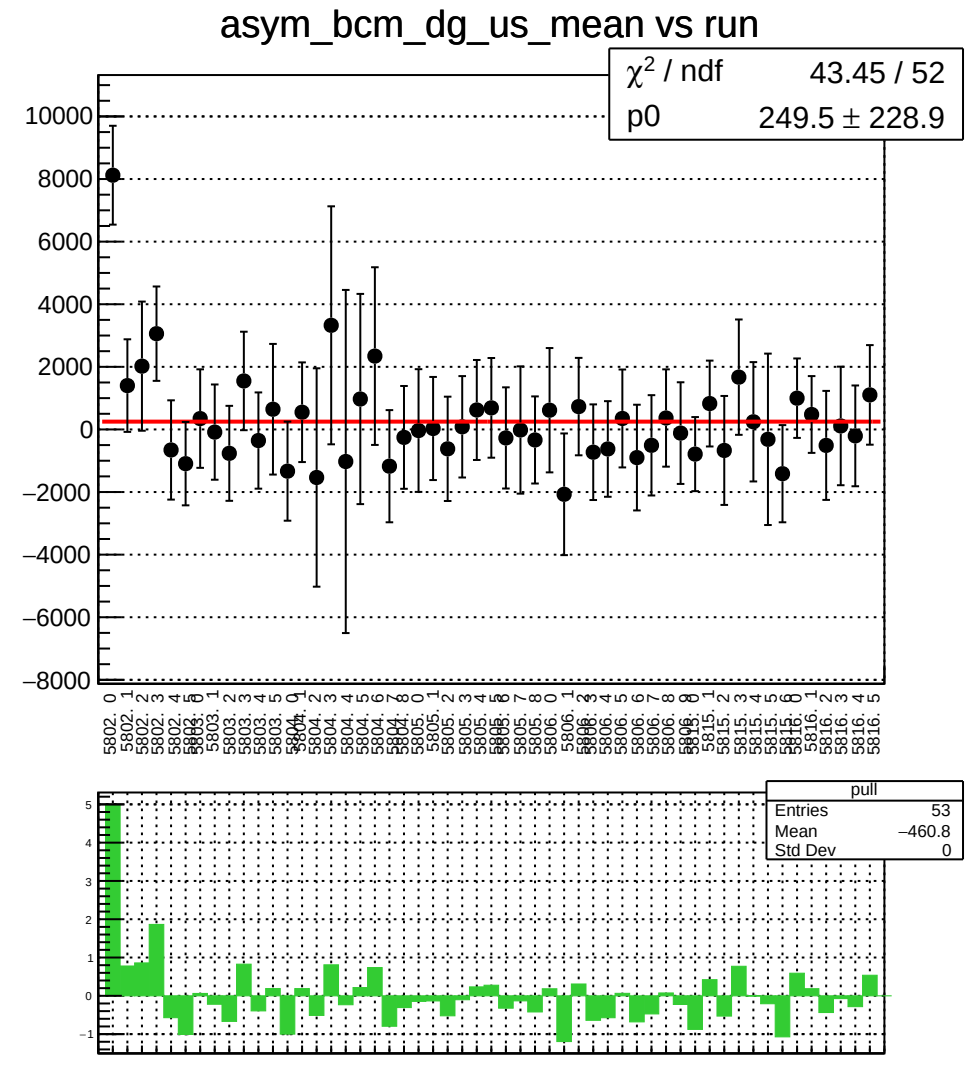

pull1D
Entries 53
Mean 0.003828
Std Dev 0.9003

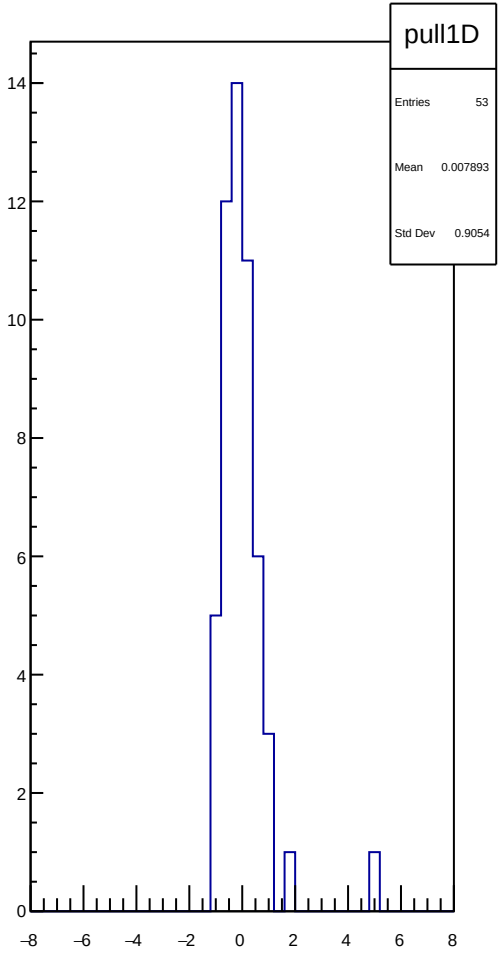

asym_bcm_an_ds3_rms vs run
χ² / ndf 4.933e+04 / 52
p0 151 ± 0.1548
550
500
450
400
350
300
250
200
150
100

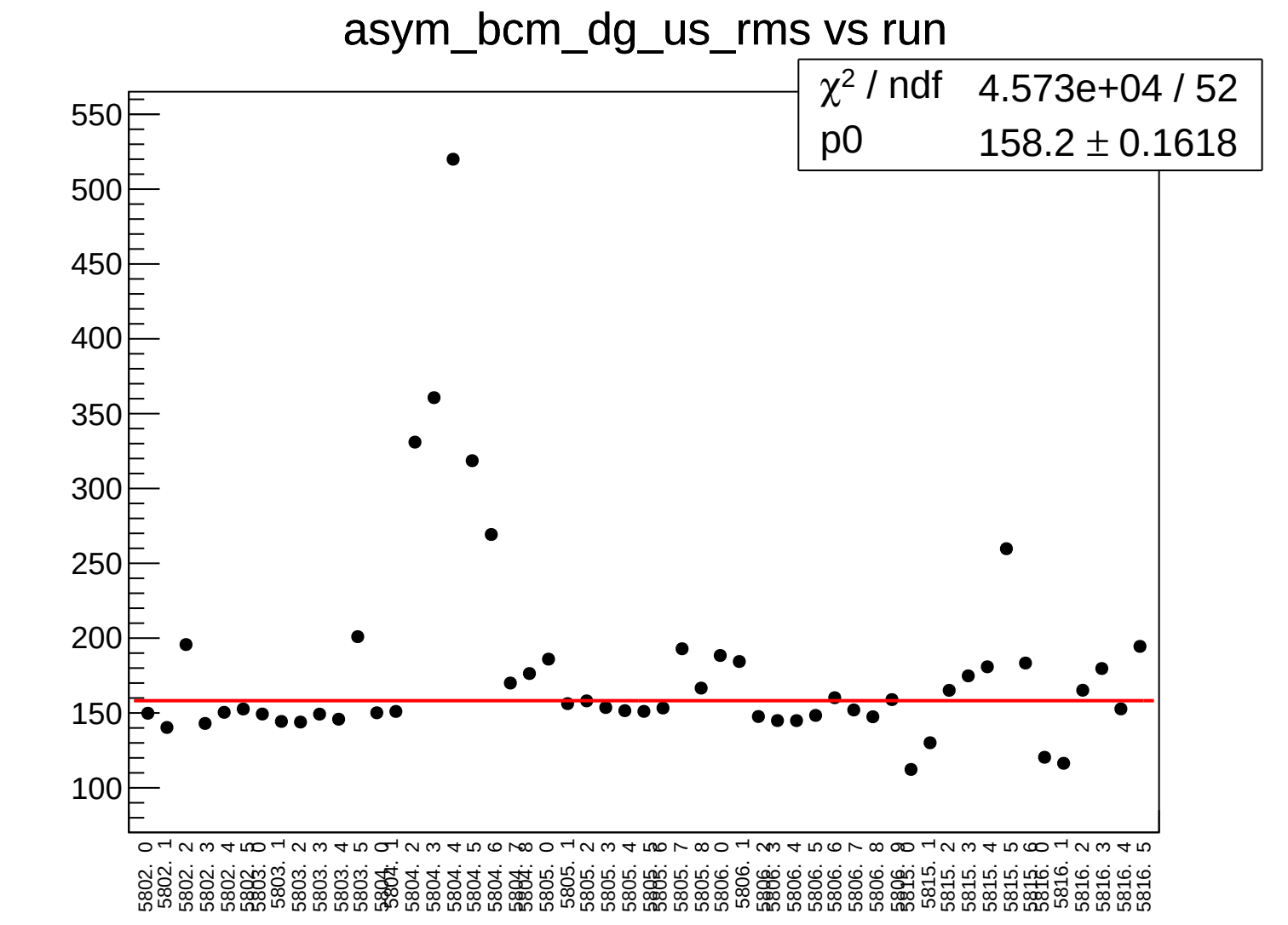

asym_bcm_an_us_mean vs run
χ² / ndf 43.07 / 52
p0 187.2 ± 219.3
pull
Entries 53
Mean −748.6
Std Dev 0

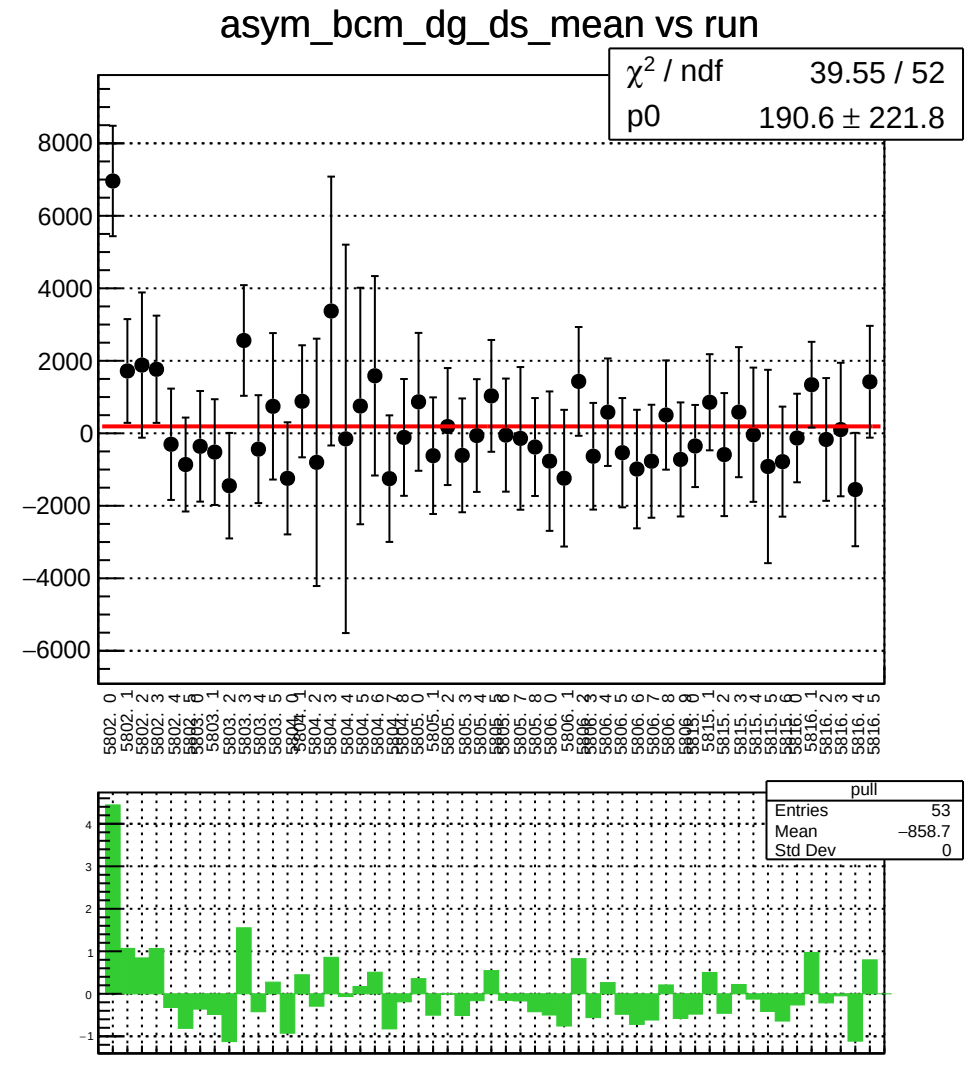

pull1D
Entries 53
Mean 0.004462
Std Dev 0.9014

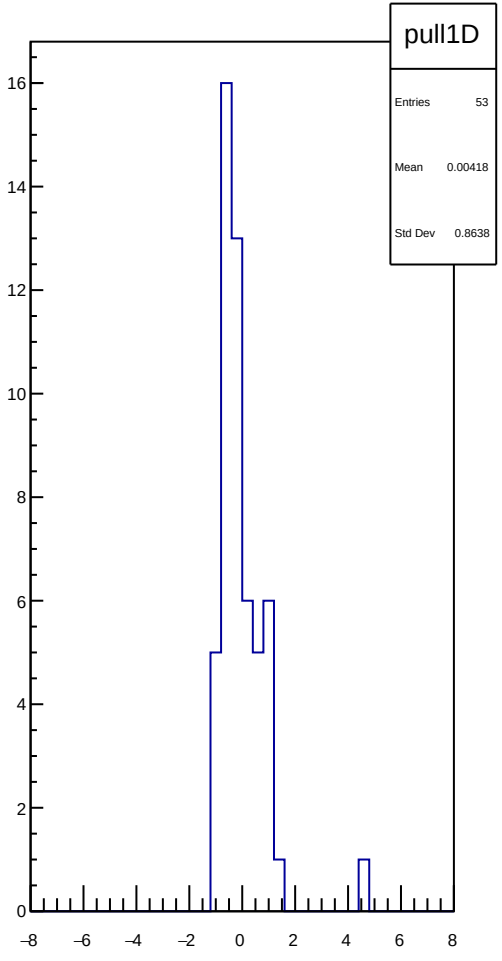

asym_bcm_an_us_rms vs run
χ² / ndf 4.925e+04 / 52
p0 151.3 ± 0.155
550
500
450
400
350
300
250
200
150
100

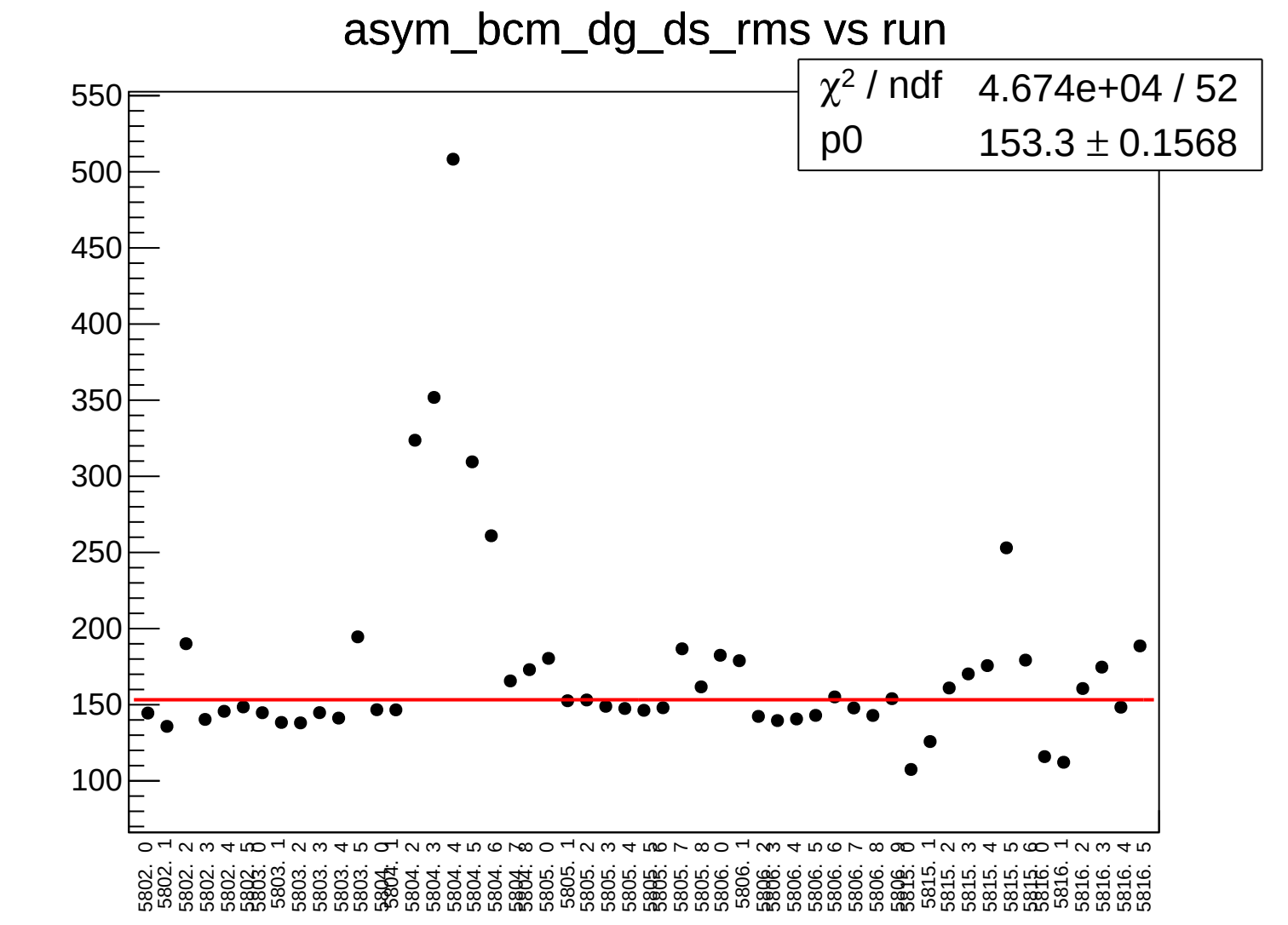

asym_bcm_dg_us_mean vs run
χ^2 / ndf 43.45 / 52
p0 249.5 ± 228.9
pull
Entries 53
Mean −460.8
Std Dev 0

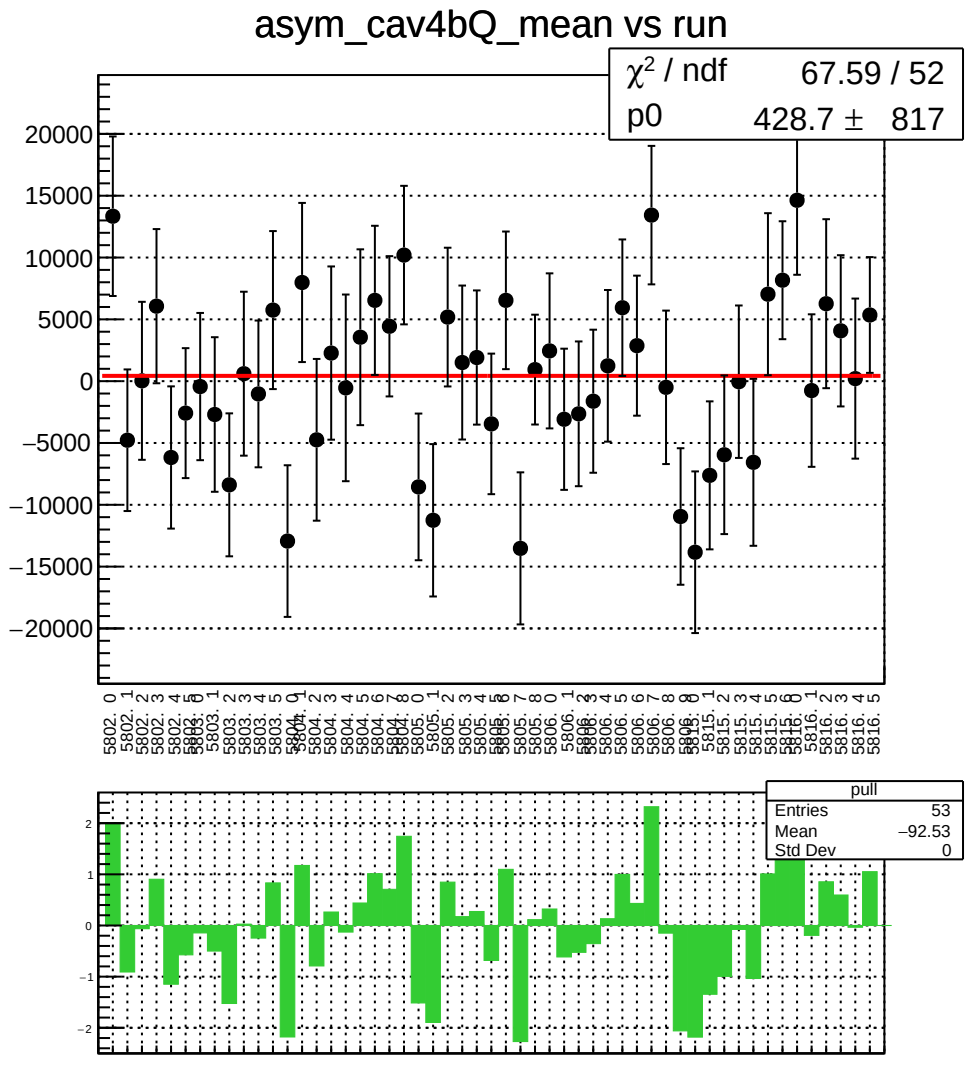

pull1D
Entries 53
Mean 0.007893
Std Dev 0.9054

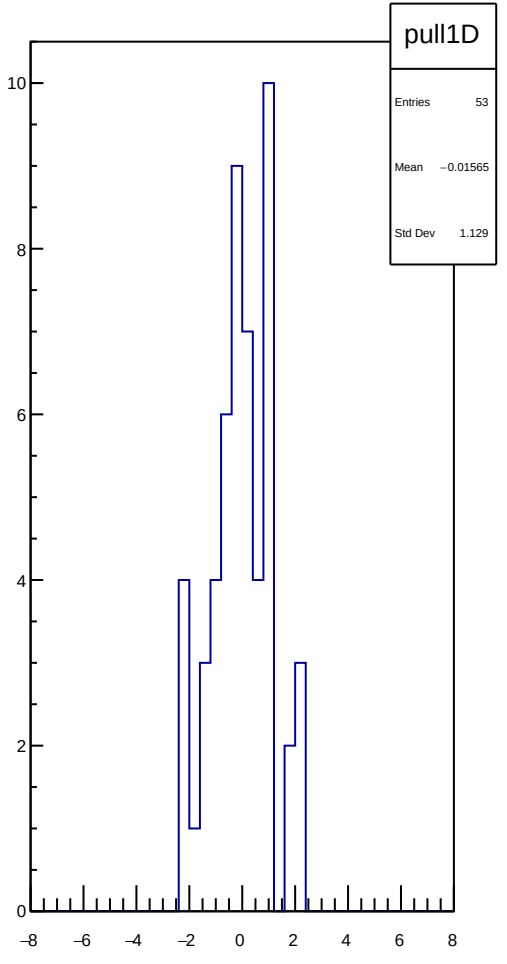

asym_bcm_dg_us_rms vs run
χ² / ndf 4.573e+04 / 52
p0 158.2 ± 0.1618
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

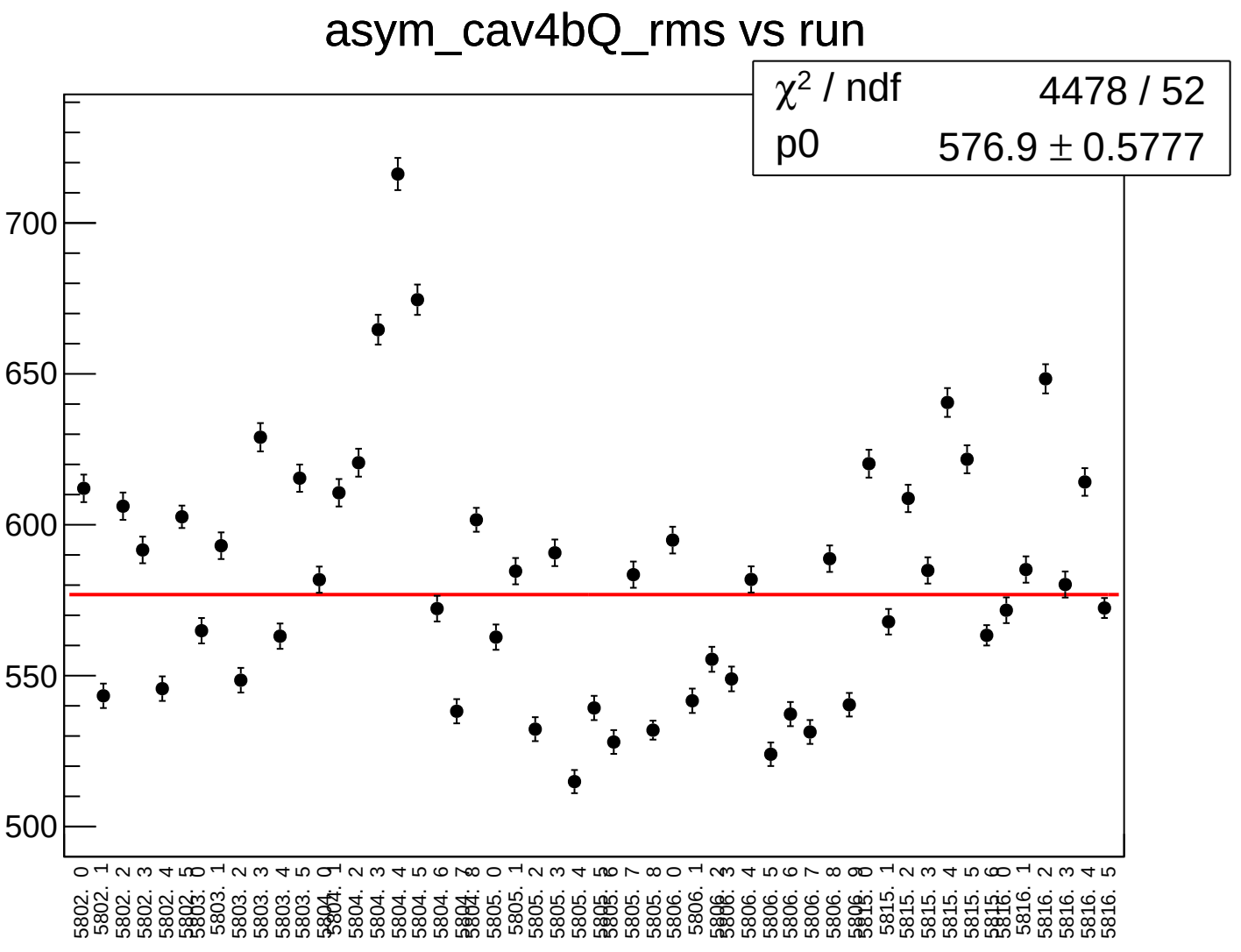

asym_bcm_dg_ds_mean vs run
χ² / ndf 39.55 / 52
p0 190.6 ± 221.8
pull
Entries 53
Mean −858.7
Std Dev 0

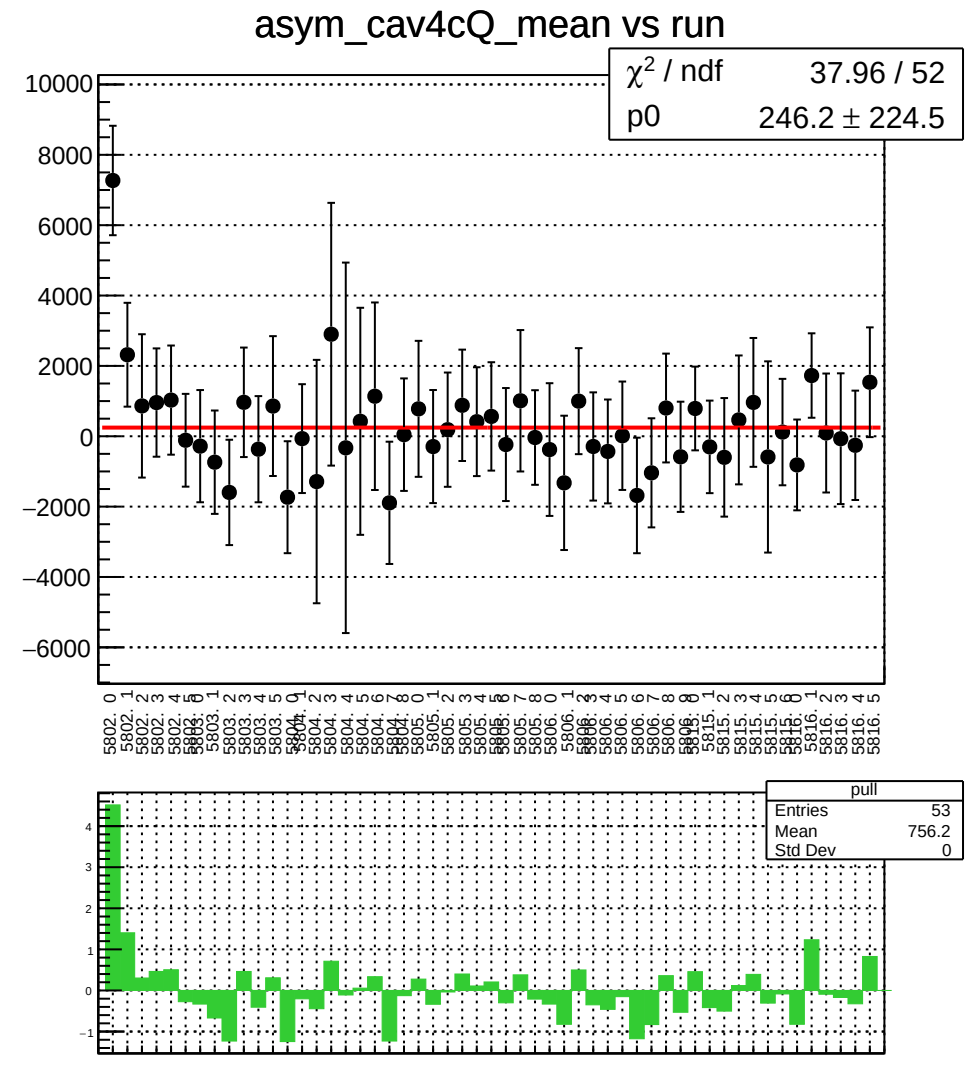

pull1D
Entries 53
Mean 0.00418
Std Dev 0.8638

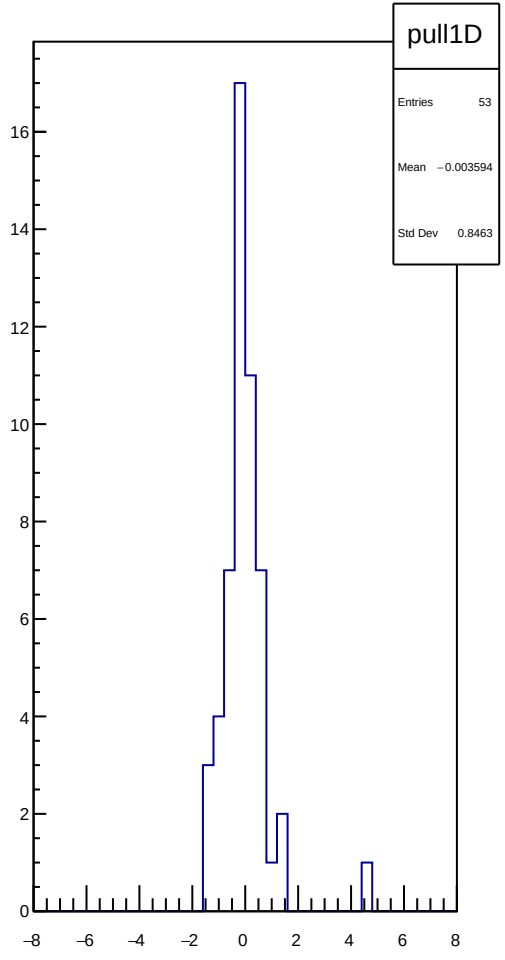

asym_bcm_dg_ds_rms vs run
χ² / ndf 4.674e+04 / 52
p0 153.3 ± 0.1568
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

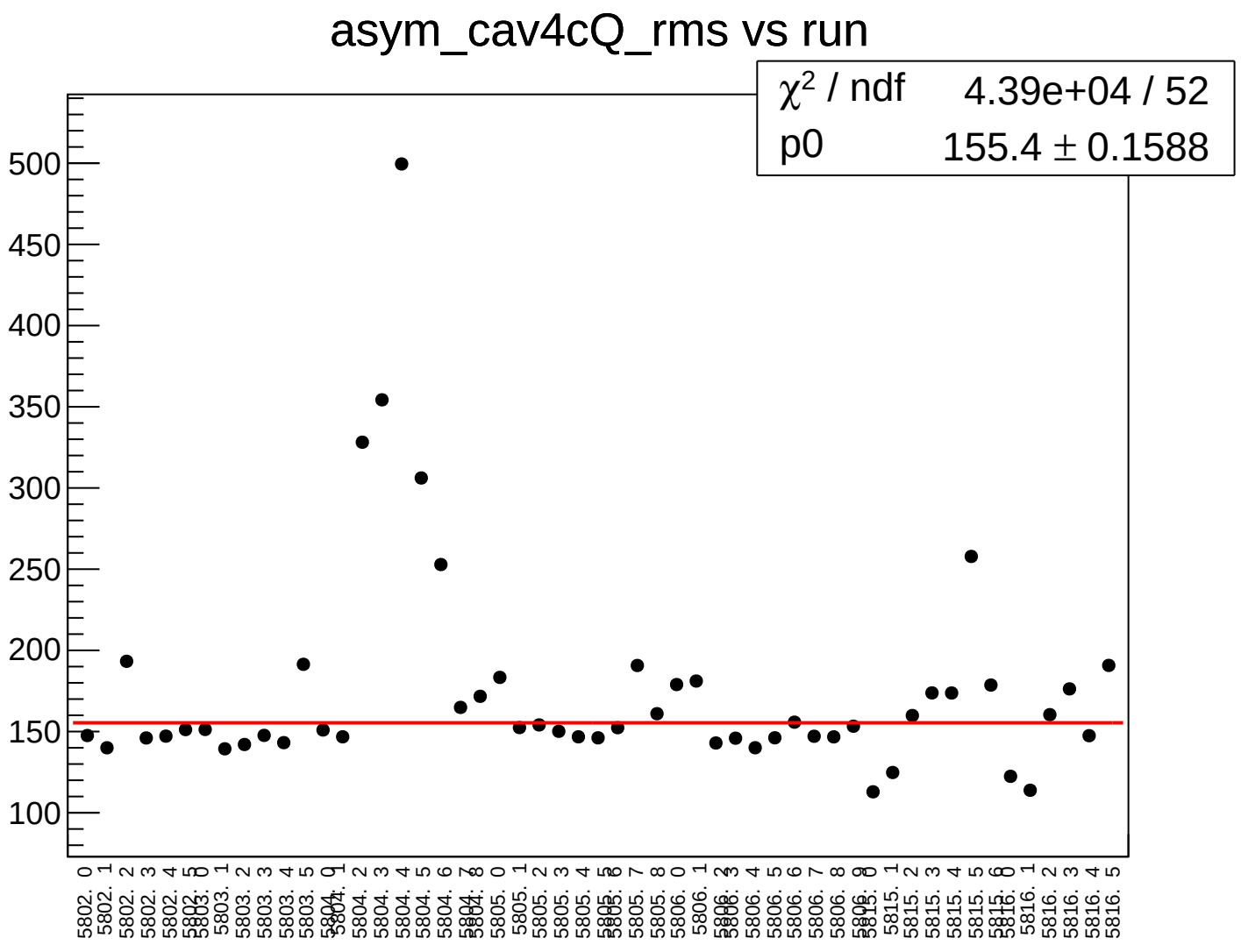

asym_cav4bQ_mean vs run
χ² / ndf 67.59 / 52
p0 428.7 ± 817
pull
Entries 53
Mean −92.53
Std Dev 0

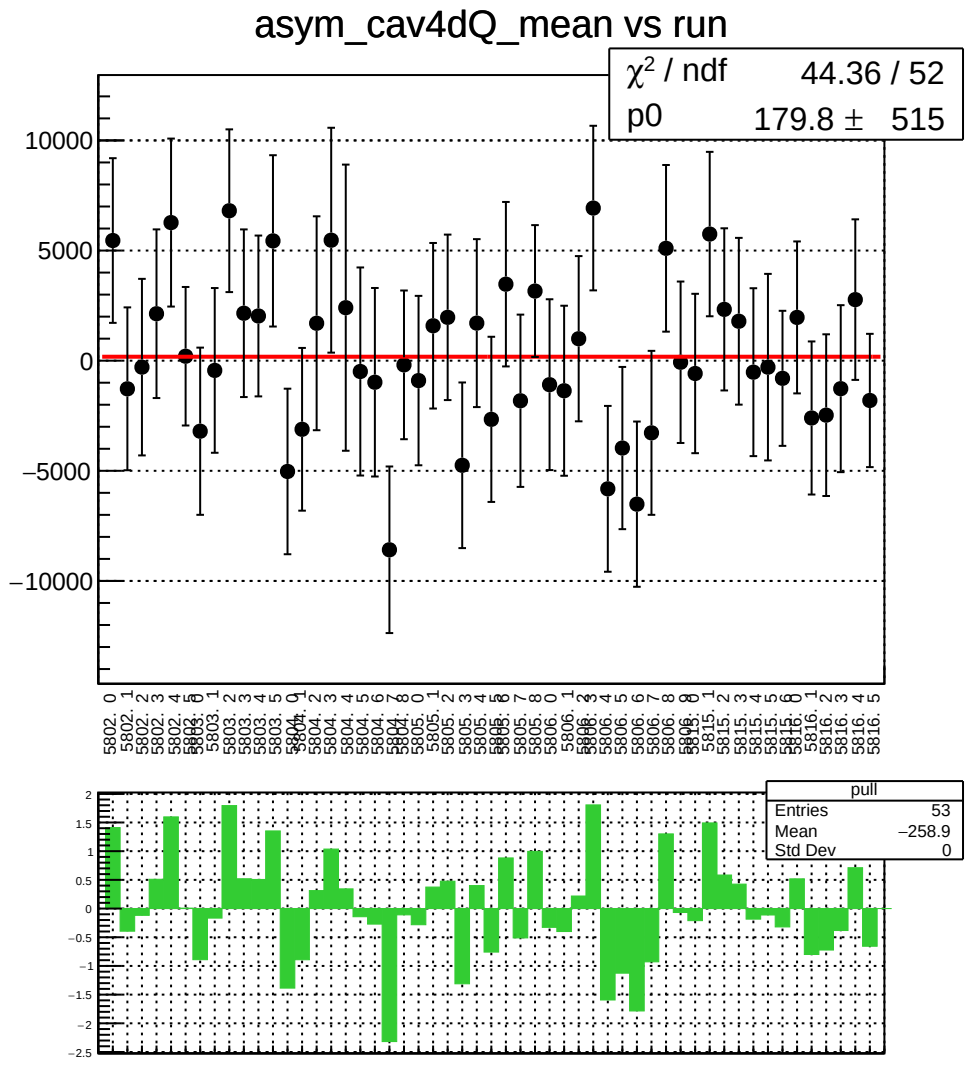

pull1D
Entries 53
Mean −0.01565
Std Dev 1.129

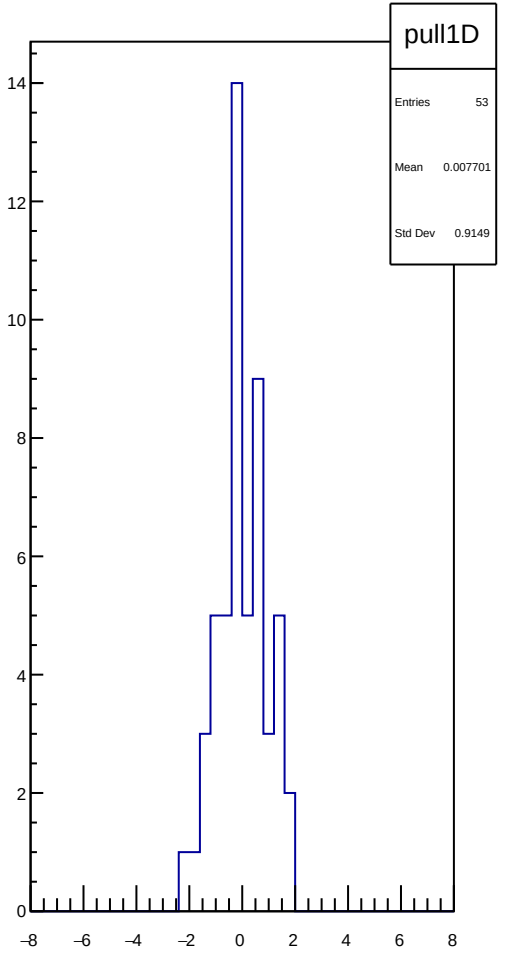

asym_cav4bQ_rms vs run
χ² / ndf 4478 / 52
p0 576.9 ± 0.5777
700
650
600
550
500

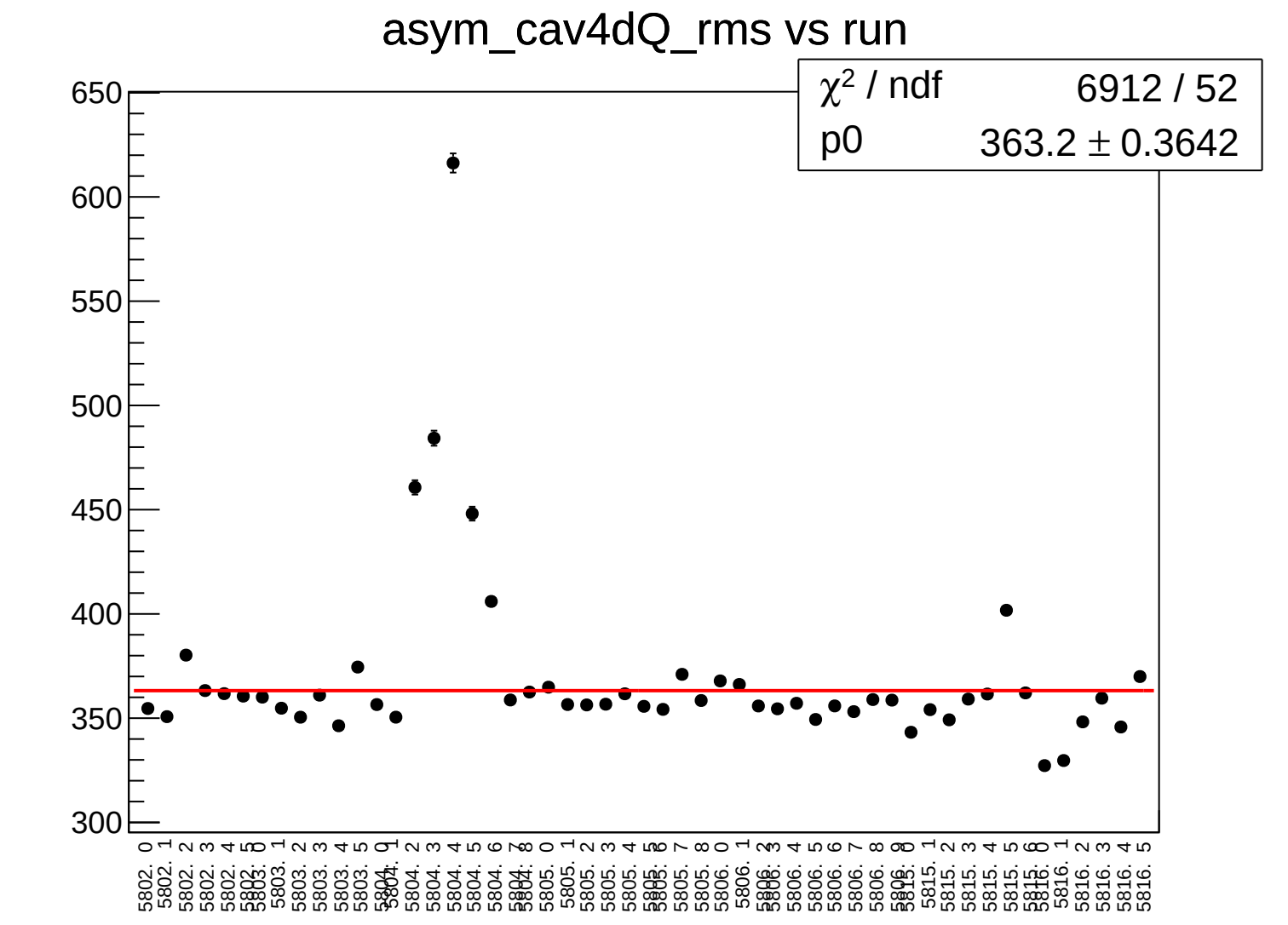

asym_cav4cQ_mean vs run
χ² / ndf 37.96 / 52
p0 246.2 ± 224.5
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 756.2
Std Dev 0

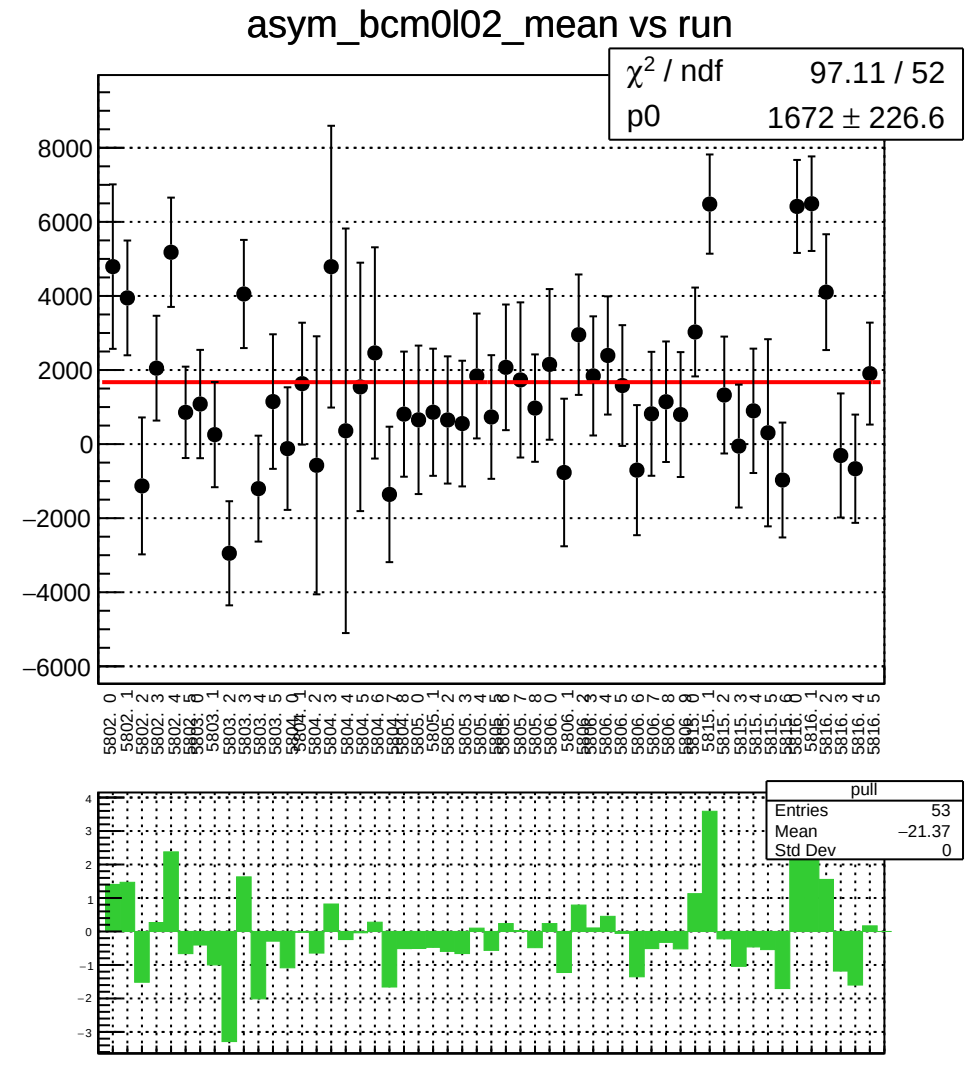

pull1D
Entries 53
Mean −0.003594
Std Dev 0.8463

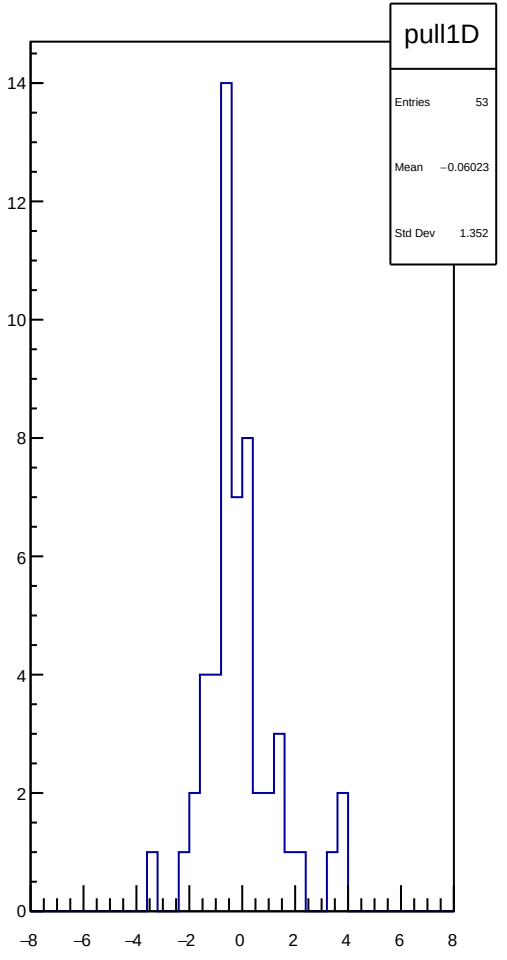

asym_cav4cQ_rms vs run
χ² / ndf 4.39e+04 / 52
p0 155.4 ± 0.1588
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

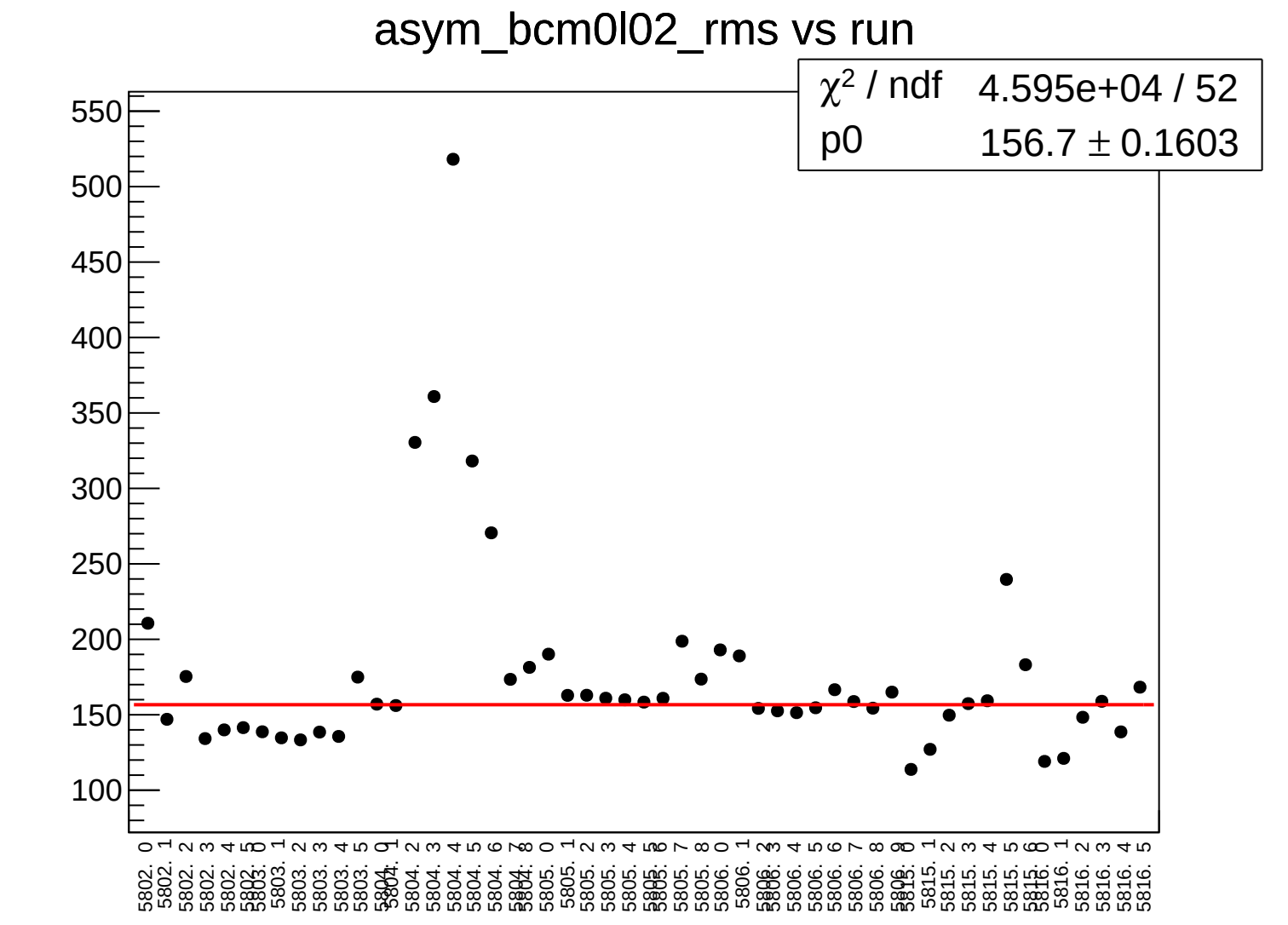

asym_cav4dQ_mean vs run
χ² / ndf 44.36 / 52
p0 179.8 ± 515
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −258.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

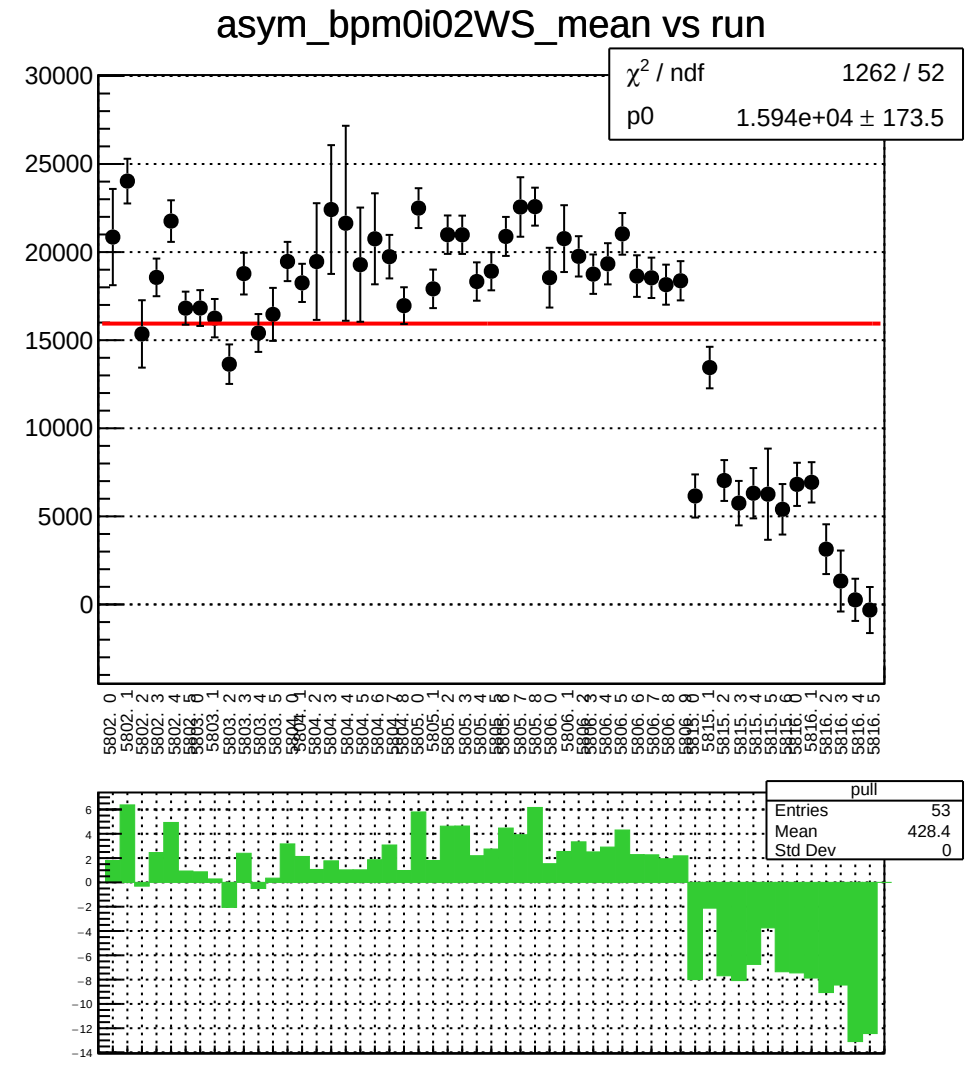

pull1D
Entries 53
Mean 0.007701
Std Dev 0.9149
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

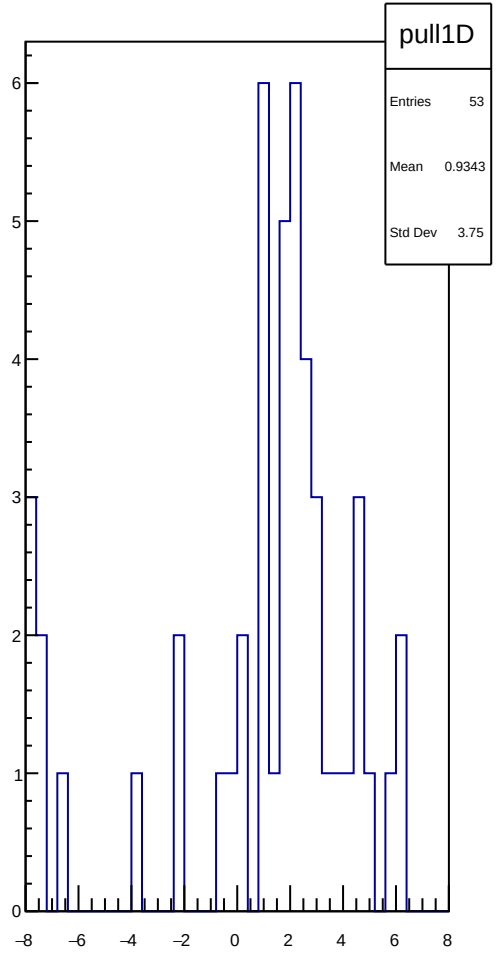

asym_cav4dQ_rms vs run
χ² / ndf 6912 / 52
p0 363.2 ± 0.3642
650
600
550
500
450
400
350
300

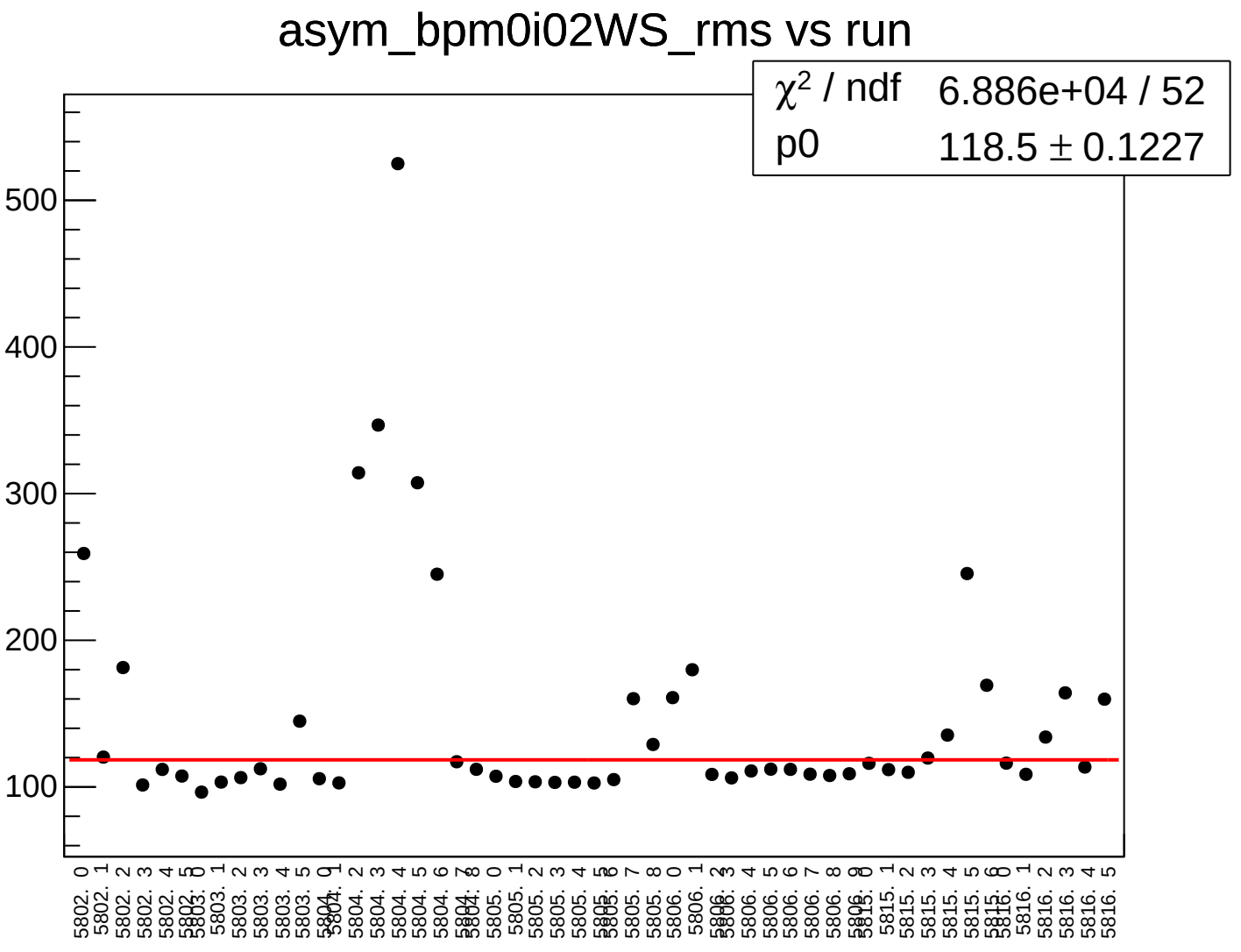

asym_bcm0l02_mean vs run
χ² / ndf 97.11 / 52
p0 1672 ± 226.6
pull
Entries 53
Mean −21.37
Std Dev 0

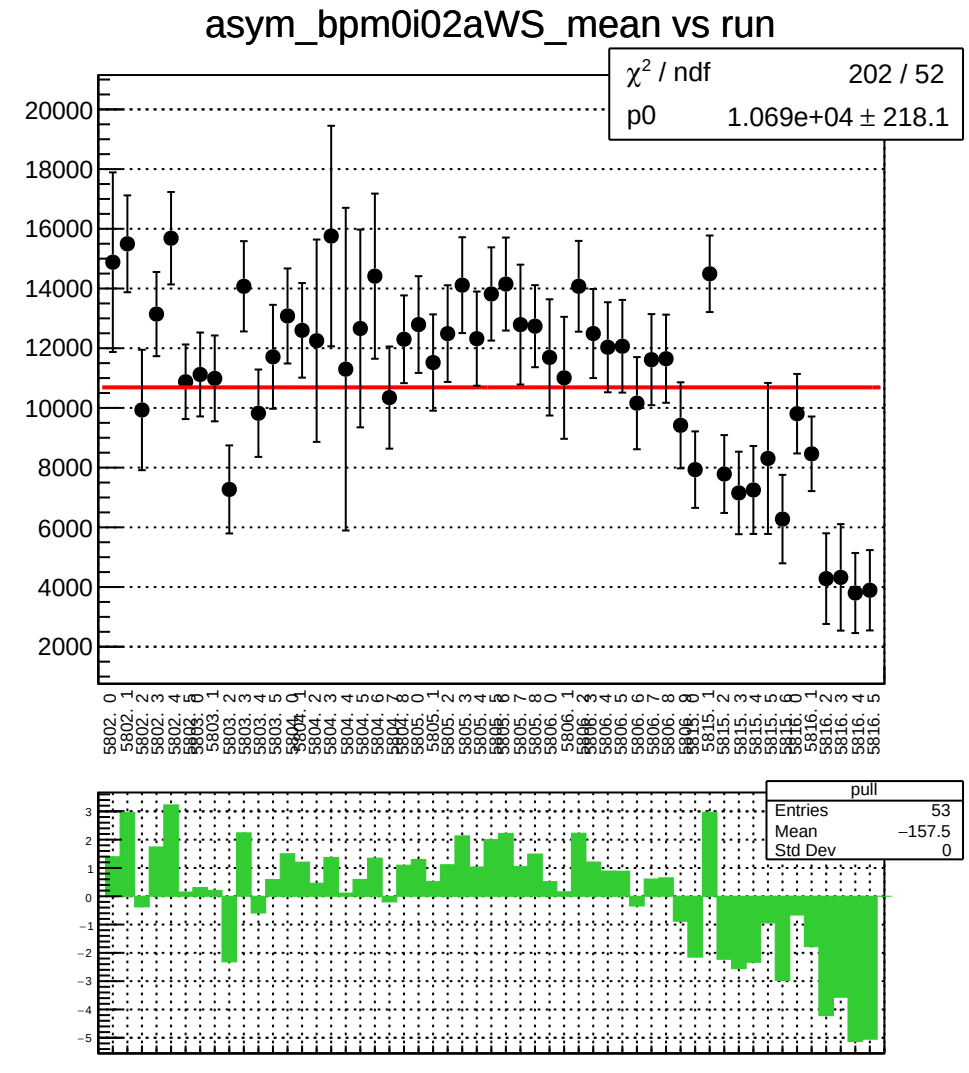

pull1D
Entries 53
Mean −0.06023
Std Dev 1.352

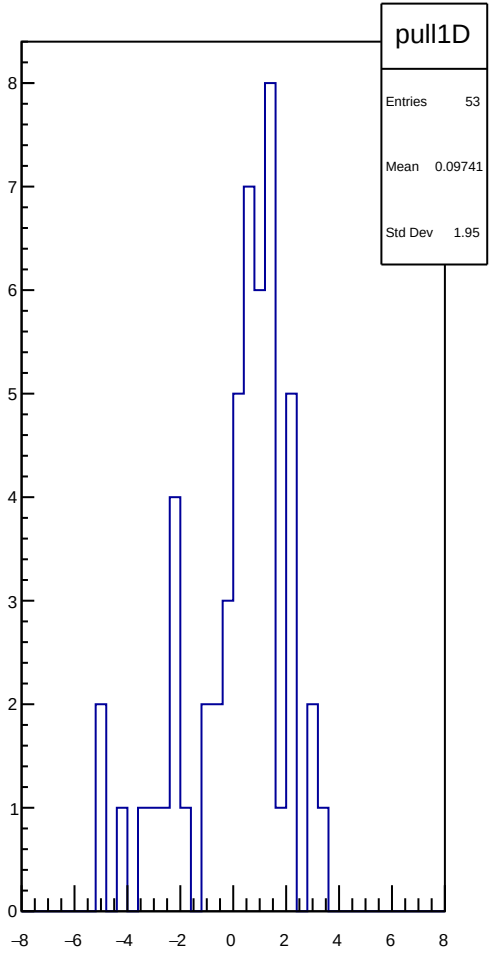

asym_bcm0l02_rms vs run
χ² / ndf 4.595e+04 / 52
p0 156.7 ± 0.1603
550
500
450
400
350
300
250
200
150
100

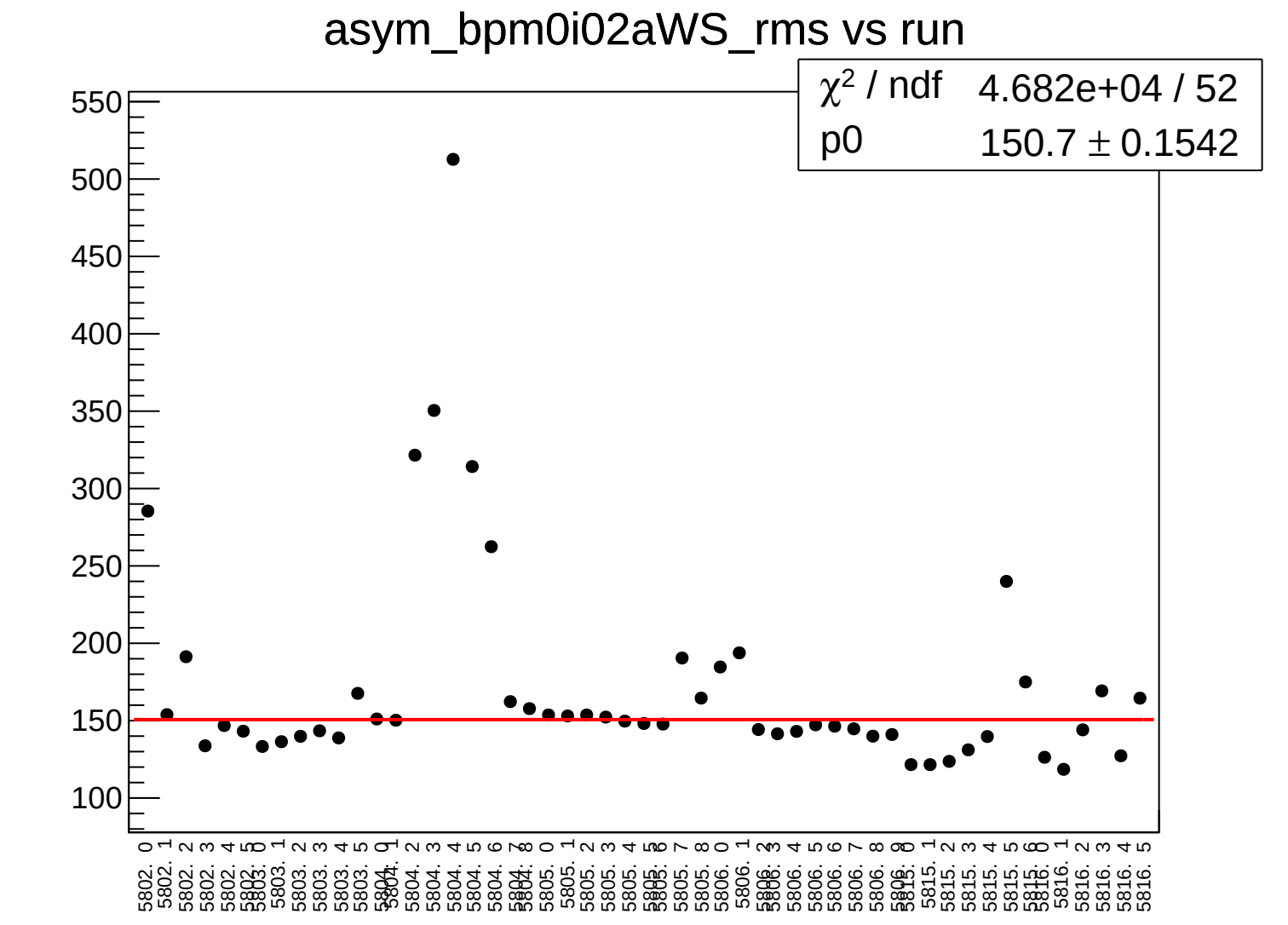

asym_bpm0i02WS_mean vs run
χ² / ndf 1262 / 52
p0 1.594e+04 ± 173.5
pull
Entries 53
Mean 428.4
Std Dev 0

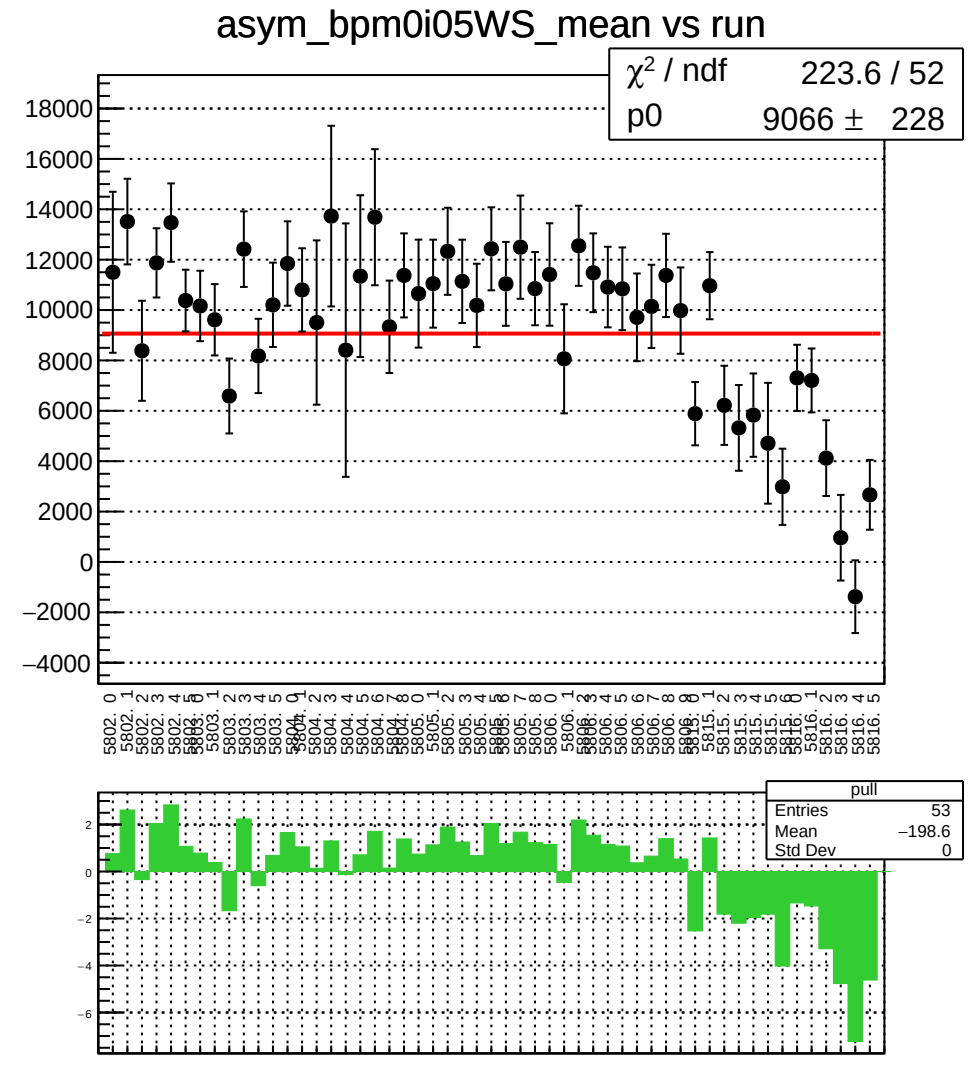

pull1D
Entries 53
Mean 0.9343
Std Dev 3.75

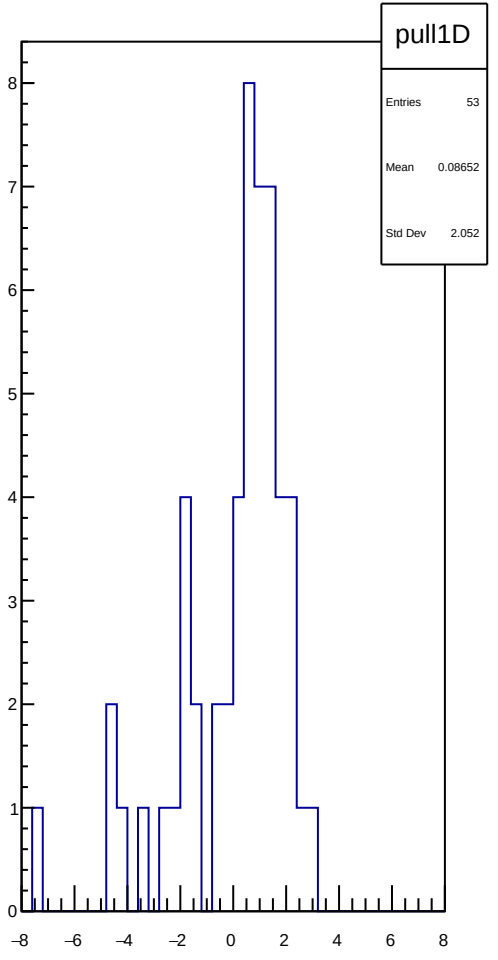

asym_bpm0i02WS_rms vs run
χ² / ndf 6.886e+04 / 52
p0 118.5 ± 0.1227
500
400
300
200
100

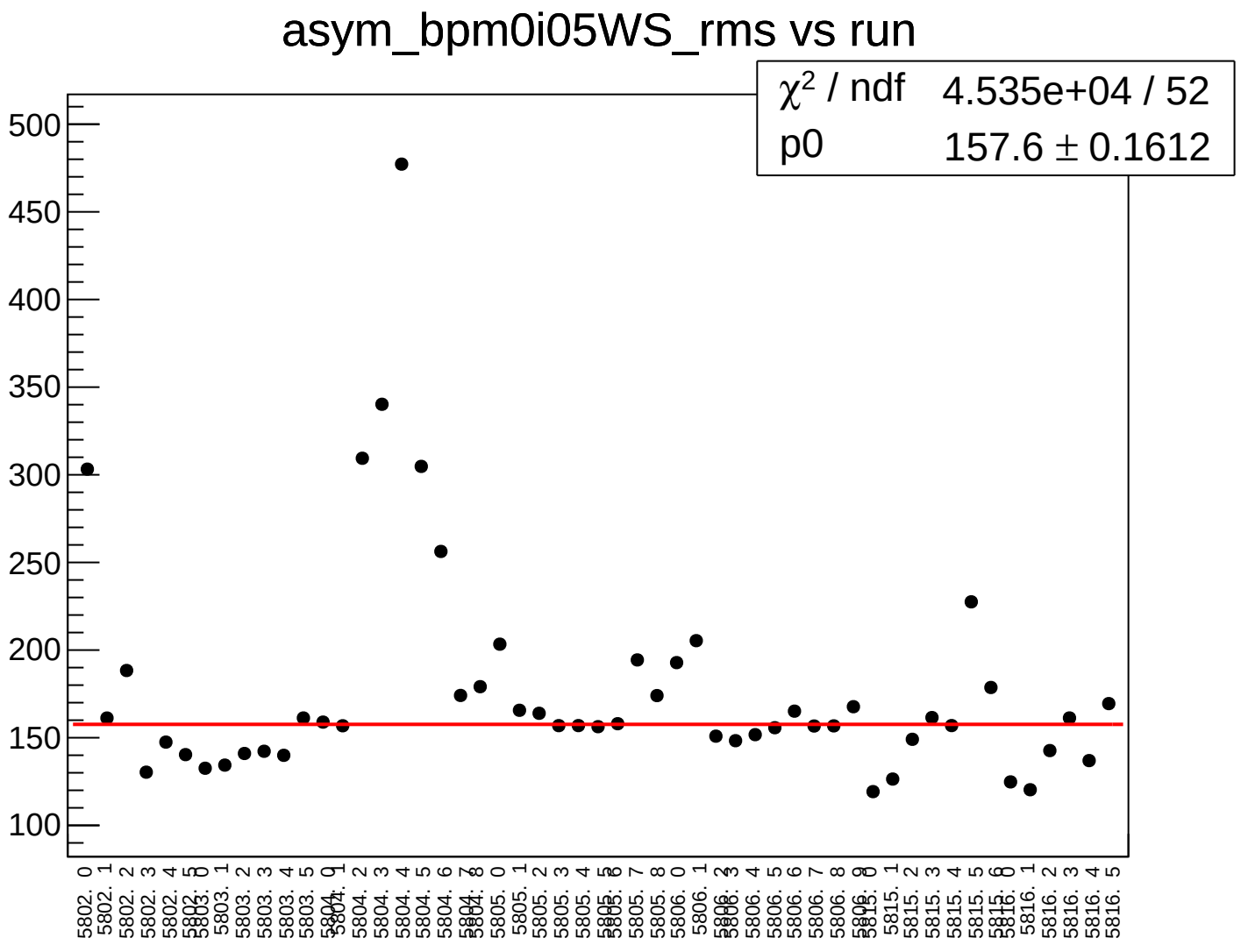

asym_bpm0i02aWS_mean vs run
χ² / ndf 202 / 52
p0 1.069e+04 ± 218.1
pull
Entries 53
Mean −157.5
Std Dev 0

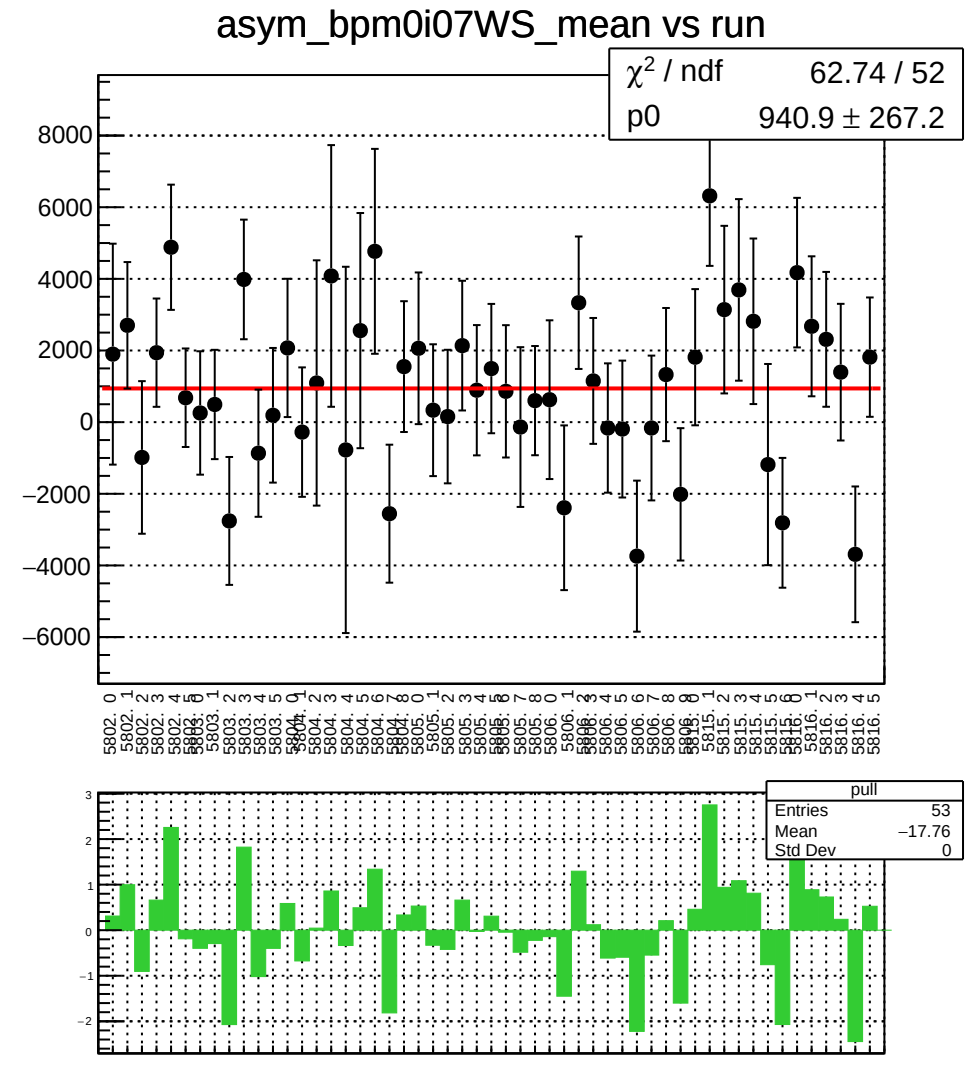

pull1D
Entries 53
Mean 0.09741
Std Dev 1.95

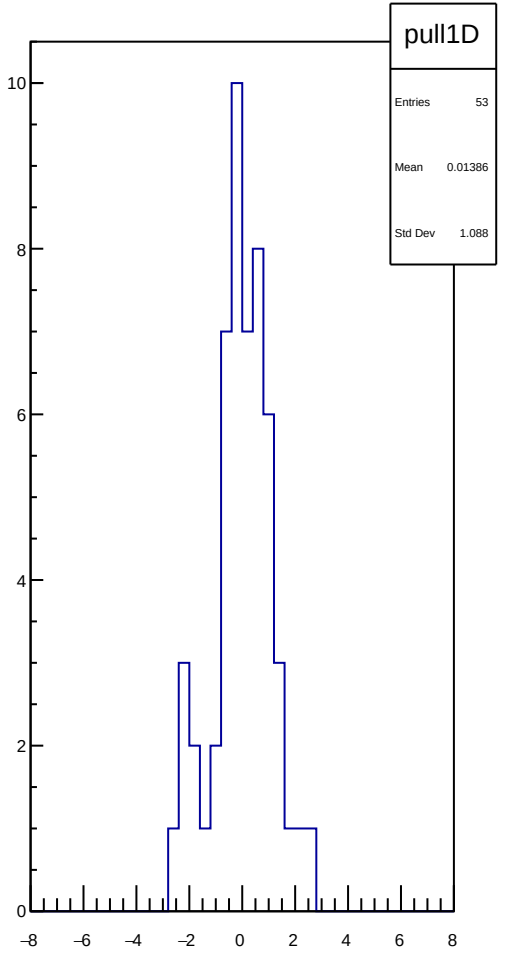

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.682e+04 / 52
p0 150.7 ± 0.1542
550
500
450
400
350
300
250
200
150
100

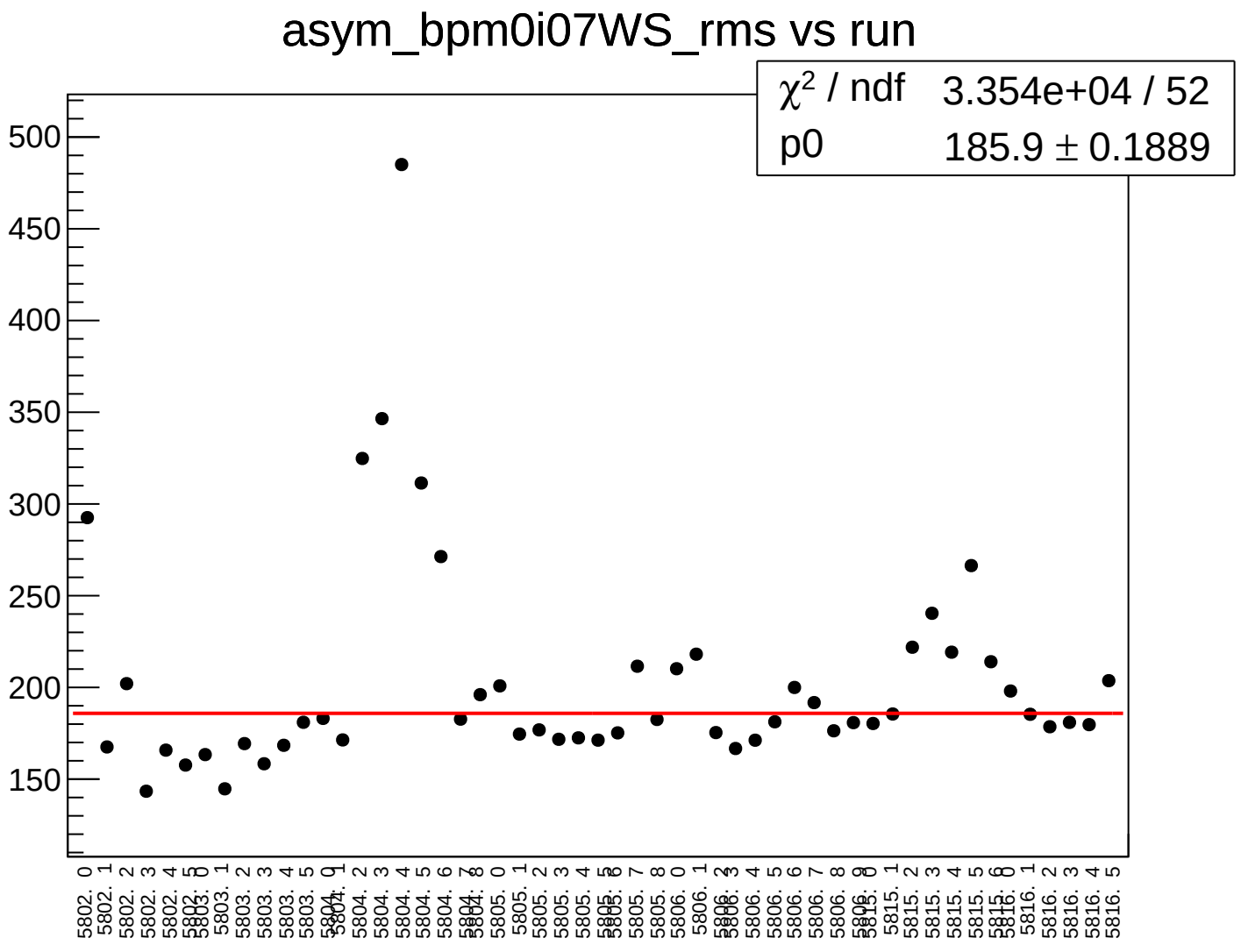

asym_bpm0i05WS_mean vs run
χ² / ndf 223.6 / 52
p0 9066 ± 228
pull
Entries 53
Mean −198.6
Std Dev 0

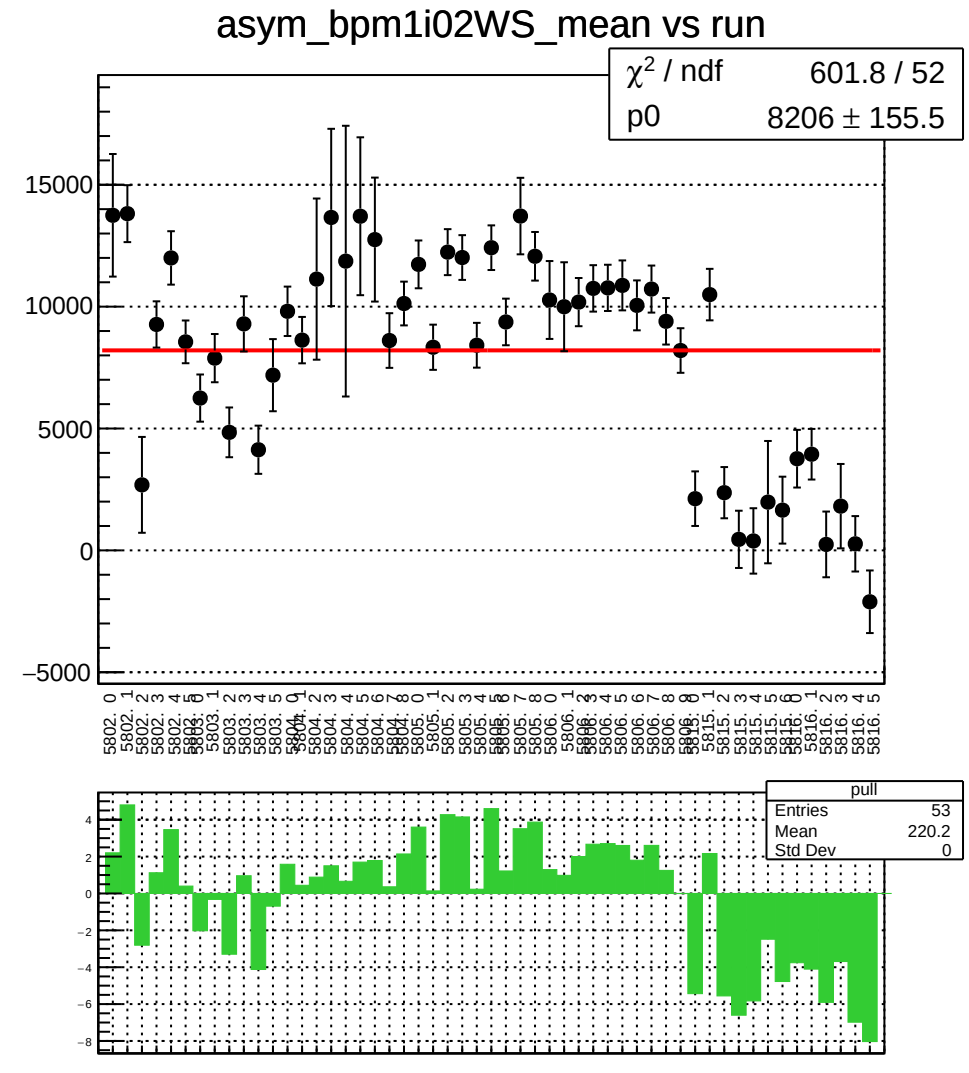

pull1D
Entries 53
Mean 0.08652
Std Dev 2.052

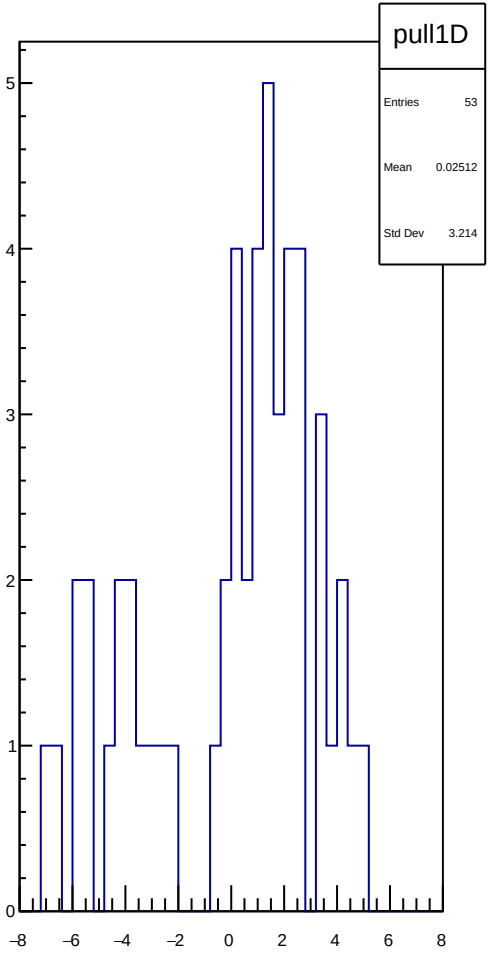

asym_bpm0i05WS_rms vs run
χ² / ndf 4.535e+04 / 52
p0 157.6 ± 0.1612
500
450
400
350
300
250
200
150
100

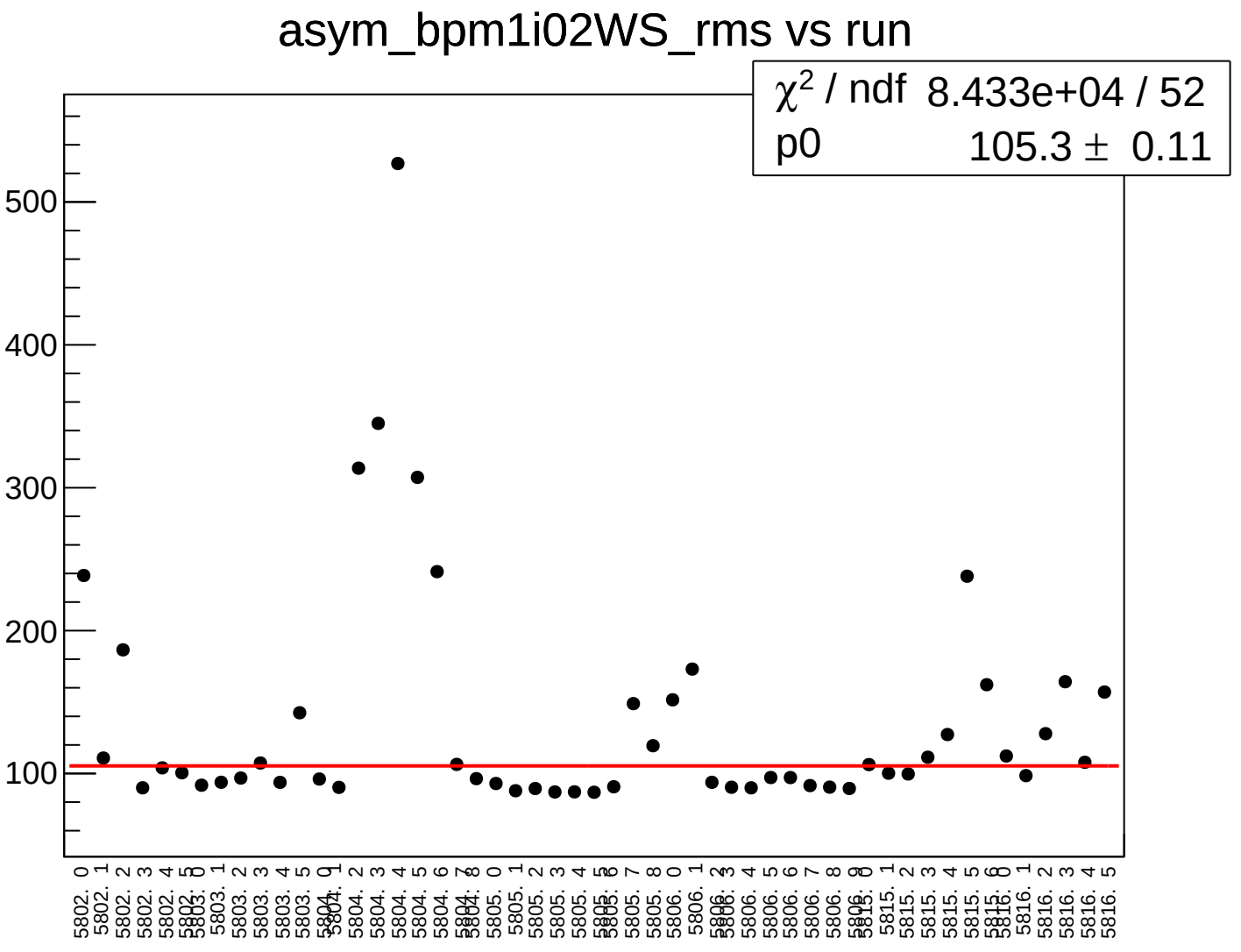

asym_bpm0i07WS_mean vs run
χ² / ndf 62.74 / 52
p0 940.9 ± 267.2
pull
Entries 53
Mean −17.76
Std Dev 0

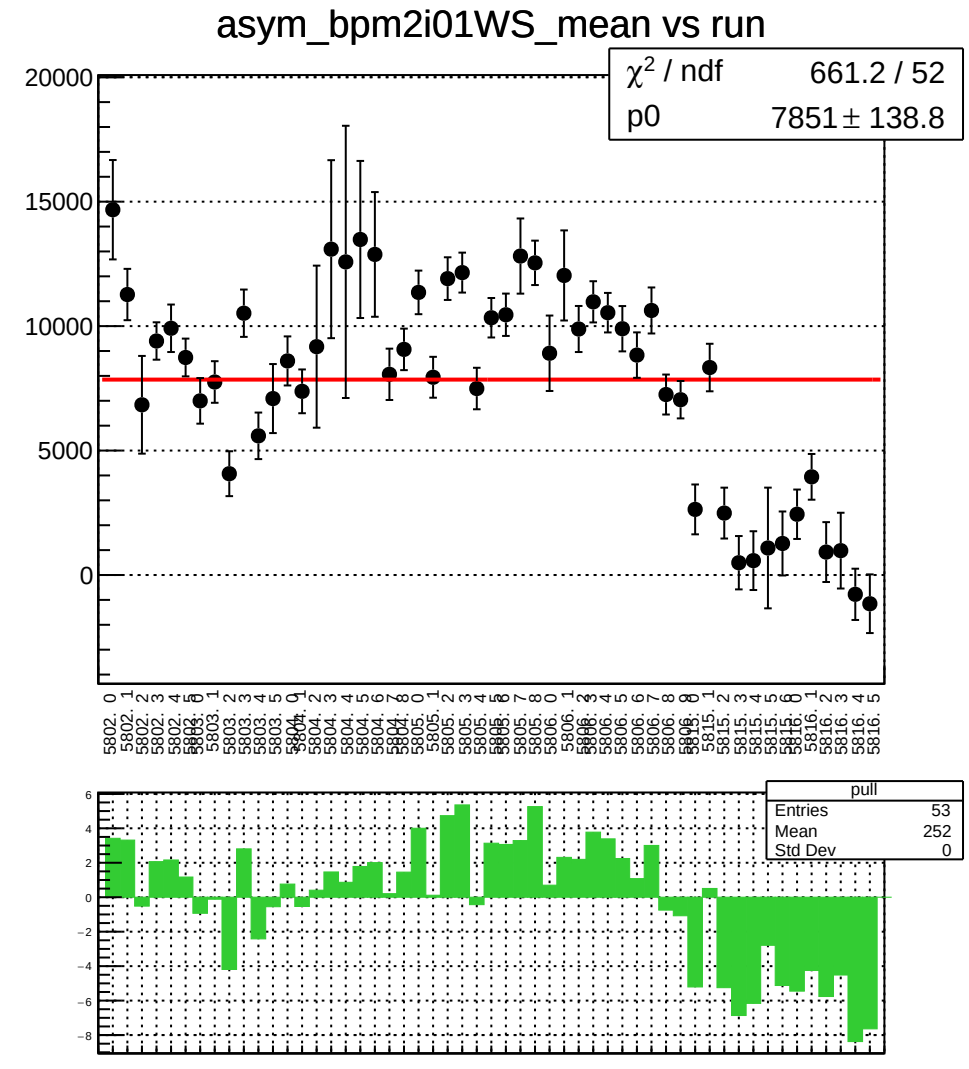

pull1D
Entries 53
Mean 0.01386
Std Dev 1.088

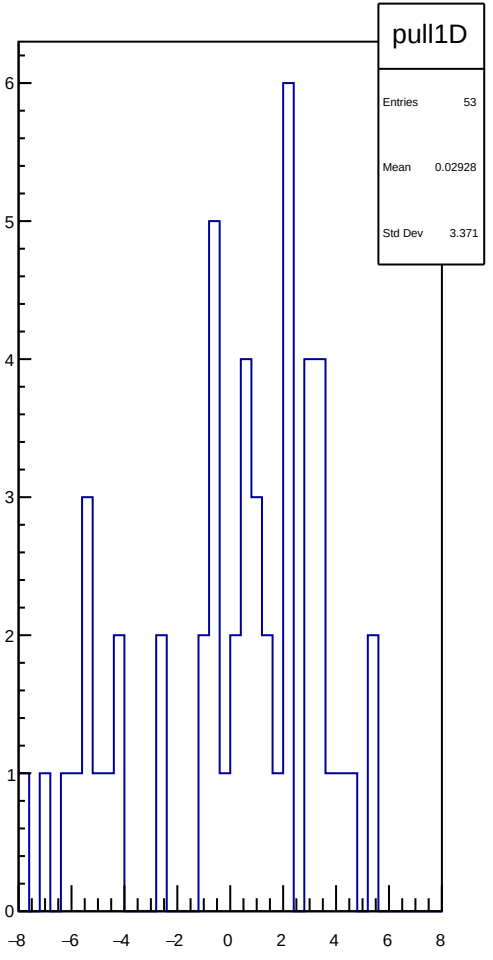

asym_bpm0i07WS_rms vs run
χ² / ndf 3.354e+04 / 52
p0 185.9 ± 0.1889
500
450
400
350
300
250
200
150

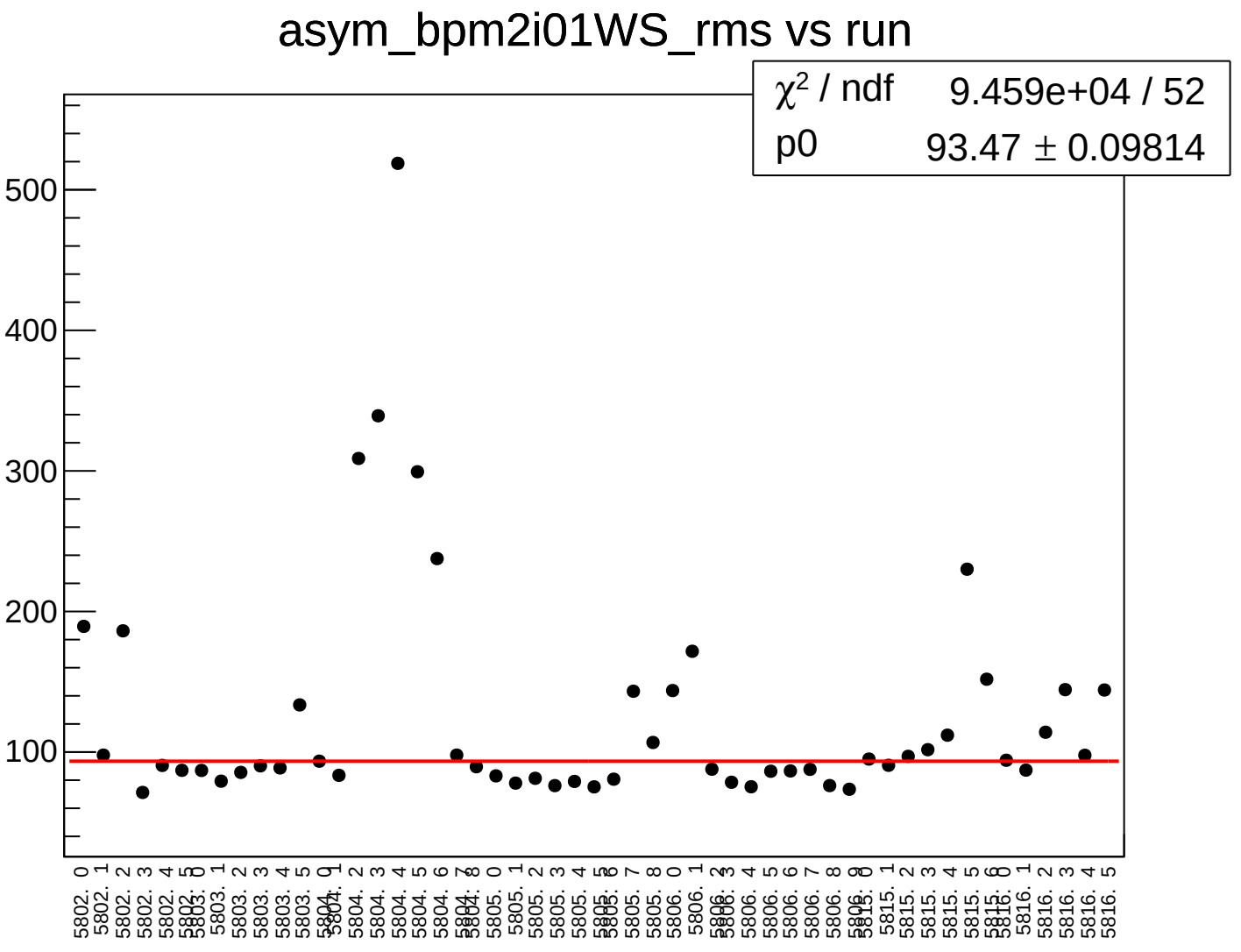

asym_bpm1i02WS_mean vs run
χ² / ndf 601.8 / 52
p0 8206 ± 155.5
15000
10000
5000
0
−5000
pull
Entries 53
Mean 220.2
Std Dev 0
4
2
0
−2
−4
−6
−8

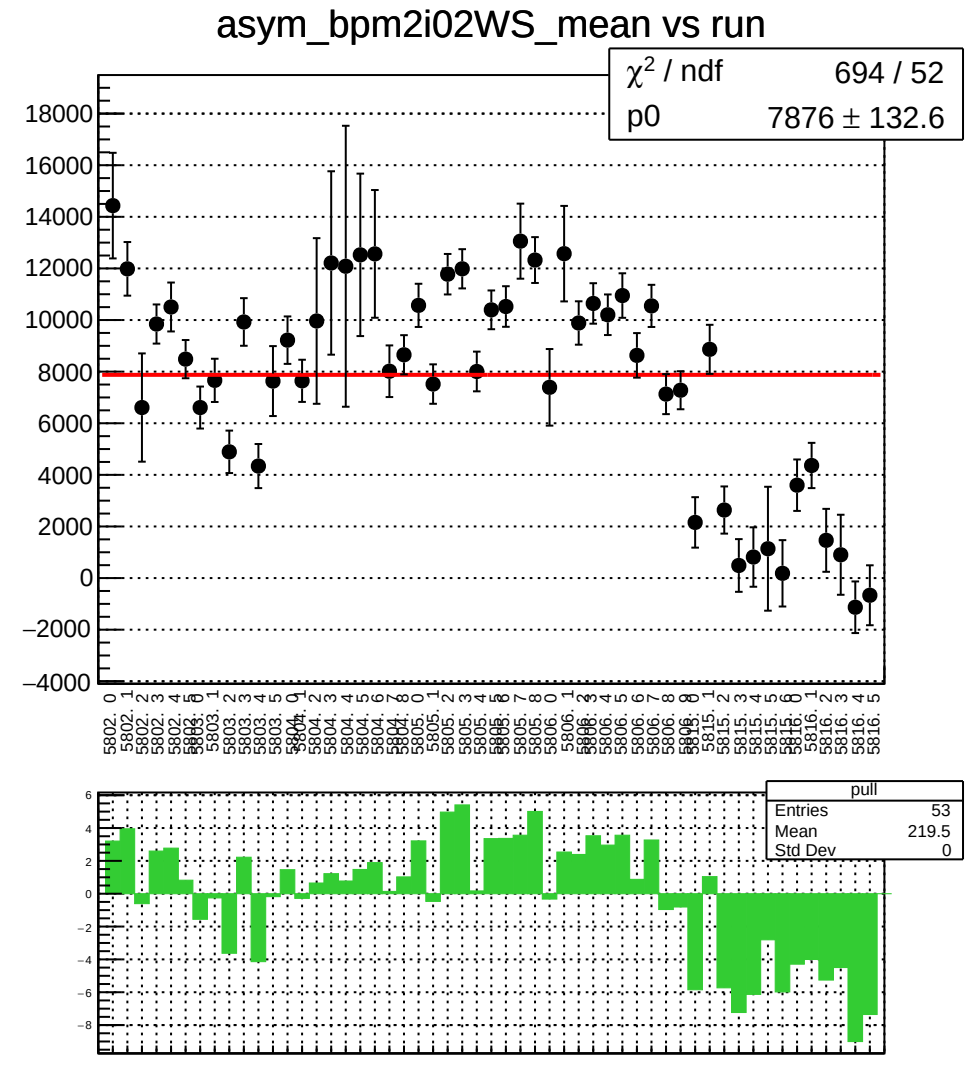

pull1D
Entries 53
Mean 0.02512
Std Dev 3.214
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

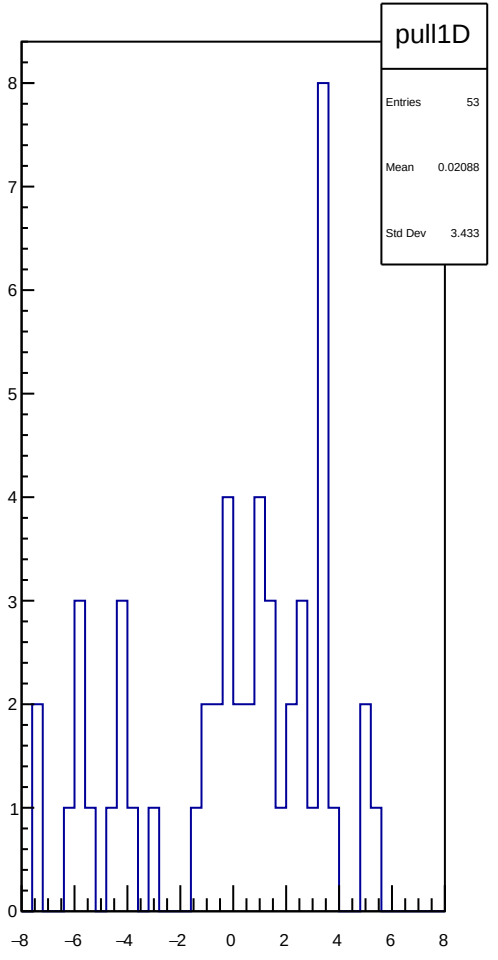

asym_bpm1i02WS_rms vs run
χ² / ndf 8.433e+04 / 52
p0 105.3 ± 0.11
500
400
300
200
100

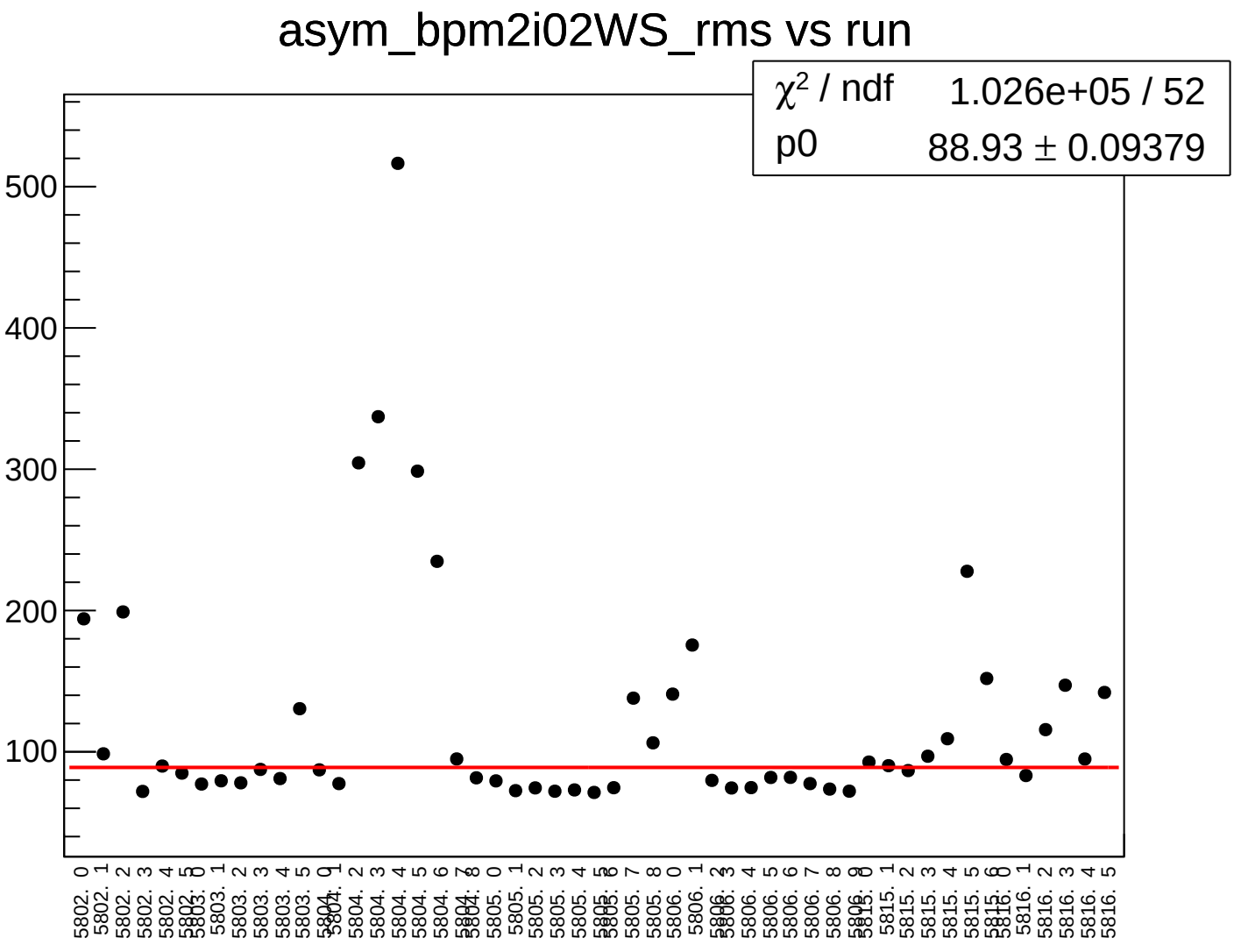

asym_bpm2i01WS_mean vs run
χ² / ndf 661.2 / 52
p0 7851 ± 138.8
pull
Entries 53
Mean 252
Std Dev 0

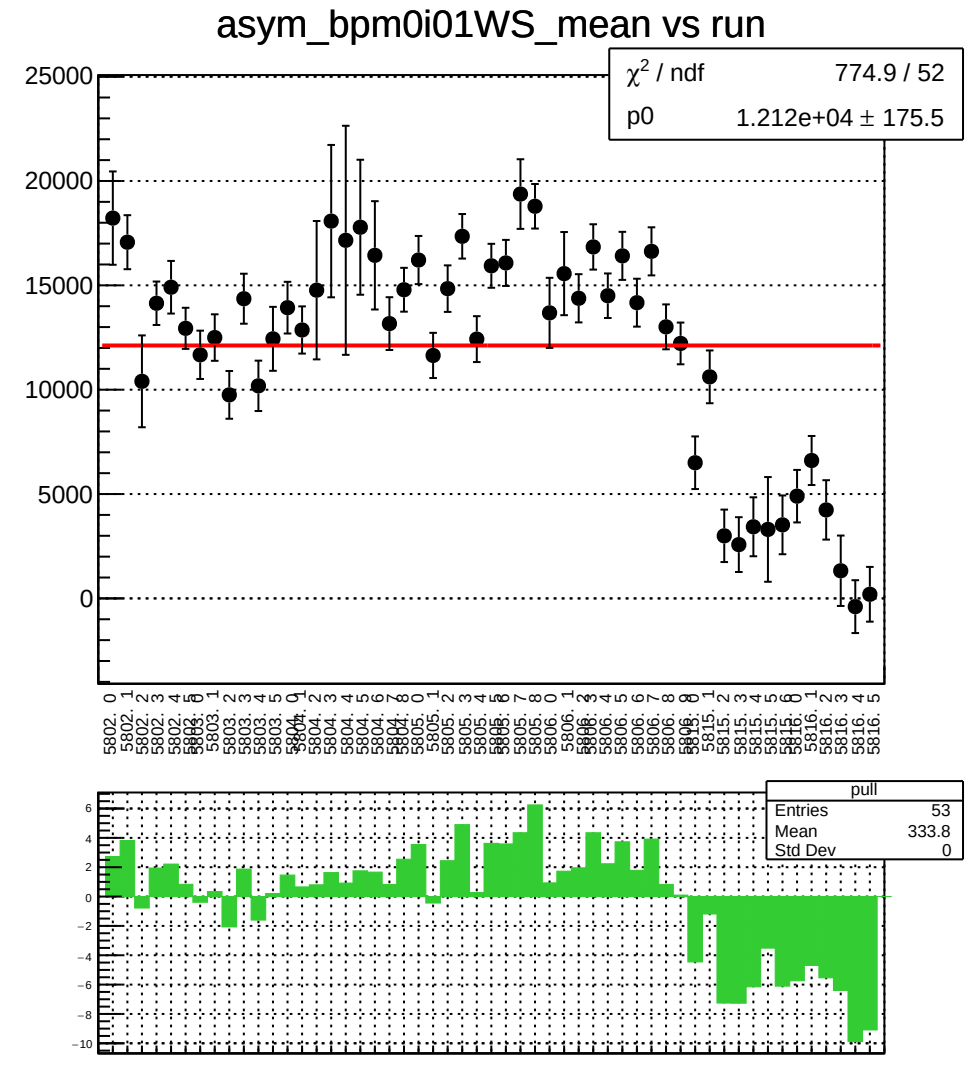

pull1D
Entries 53
Mean 0.02928
Std Dev 3.371

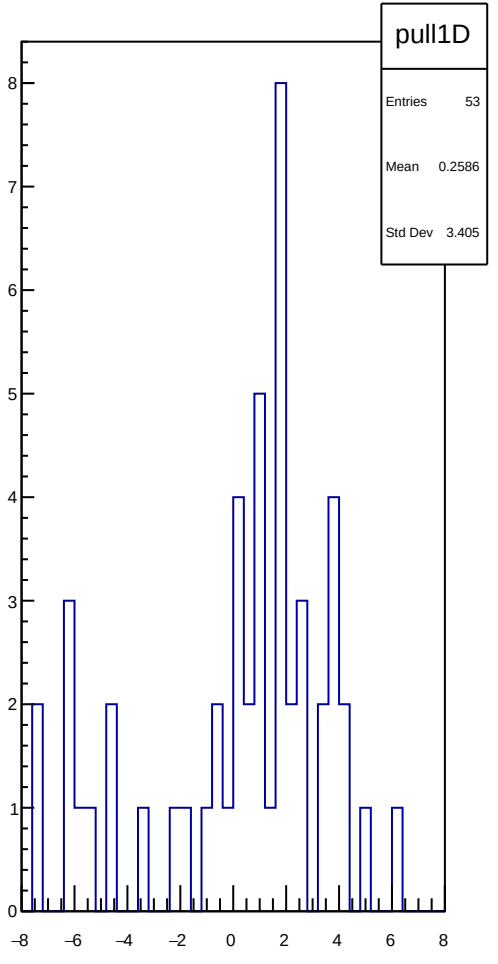

asym_bpm2i01WS_rms vs run
χ² / ndf 9.459e+04 / 52
p0 93.47 ± 0.09814
500
400
300
200
100

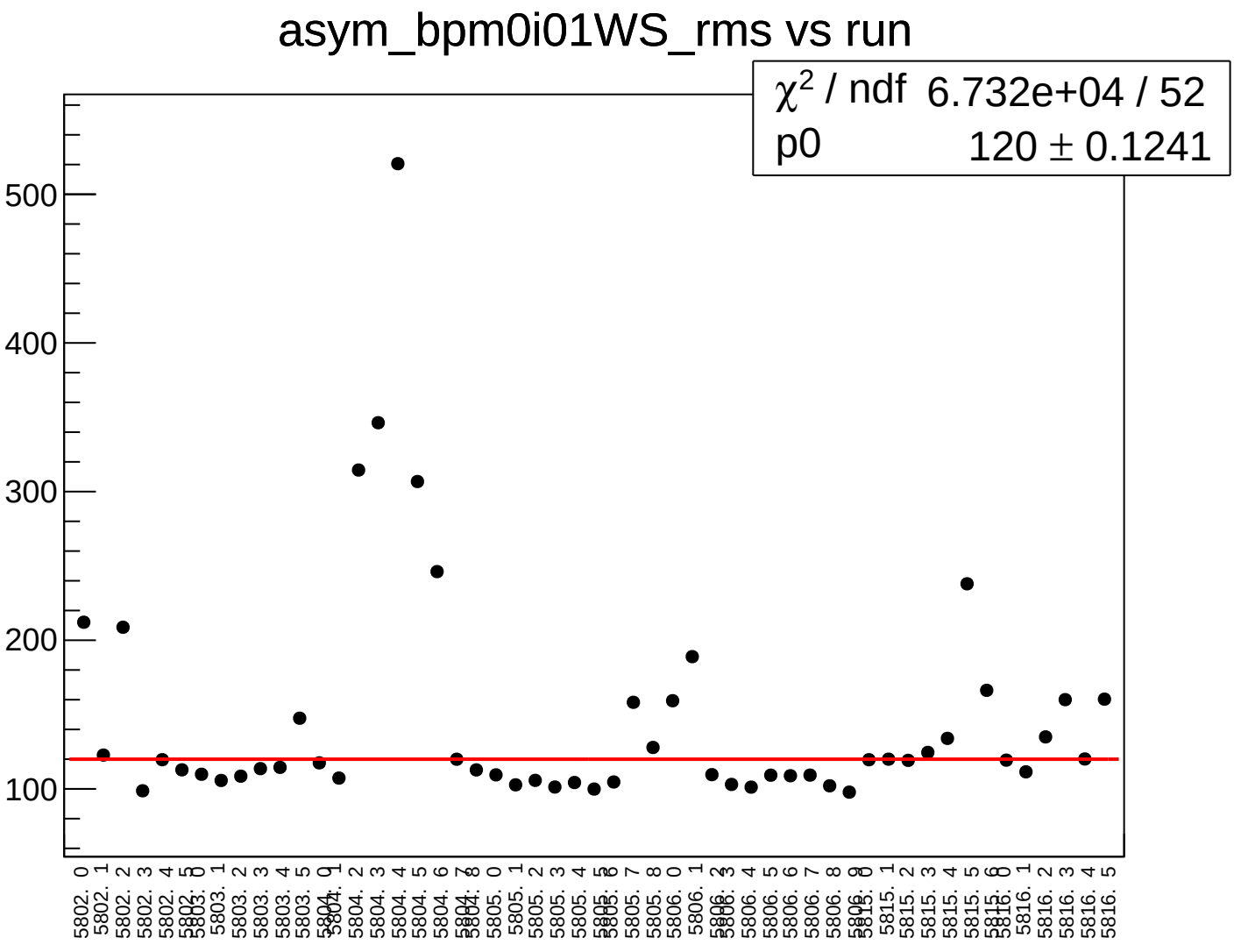

asym_bpm2i02WS_mean vs run
χ² / ndf 694 / 52
p0 7876 ± 132.6
pull
Entries 53
Mean 219.5
Std Dev 0

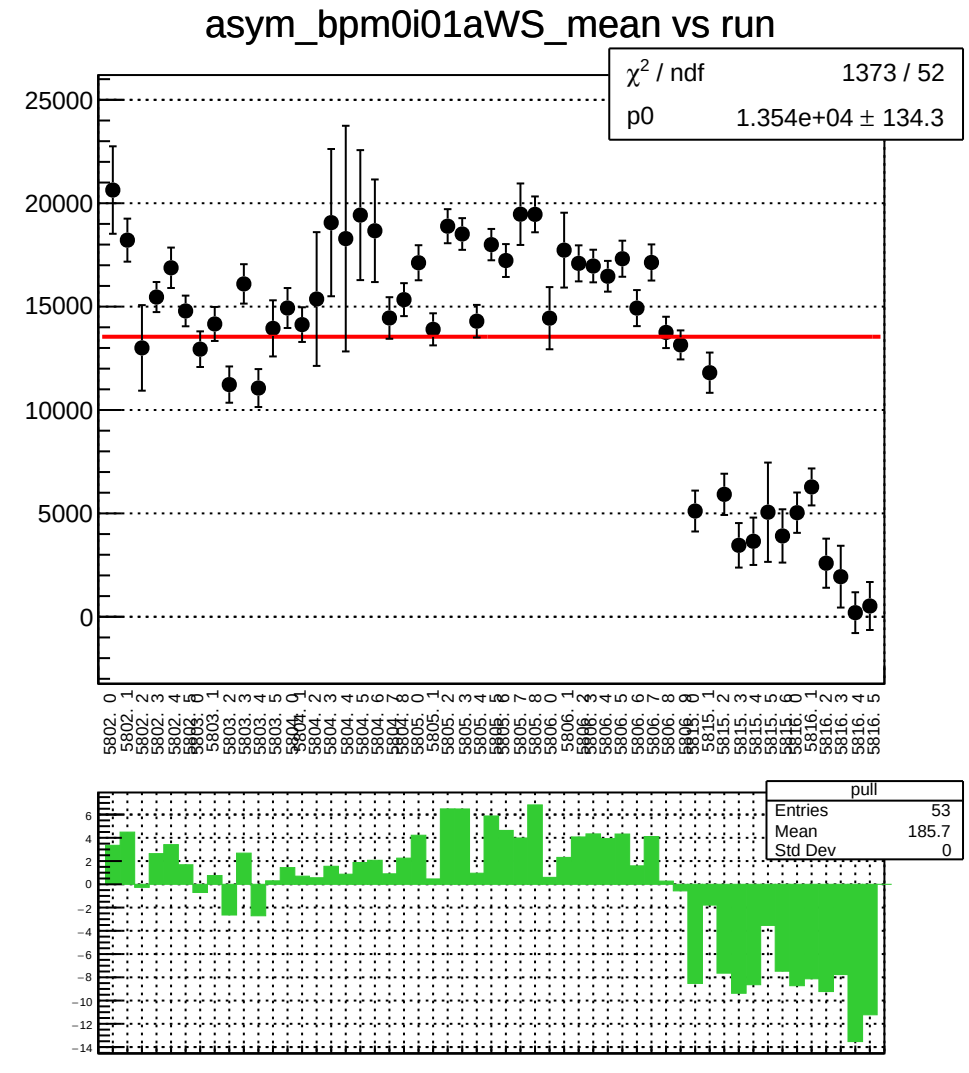

pull1D
Entries 53
Mean 0.02088
Std Dev 3.433

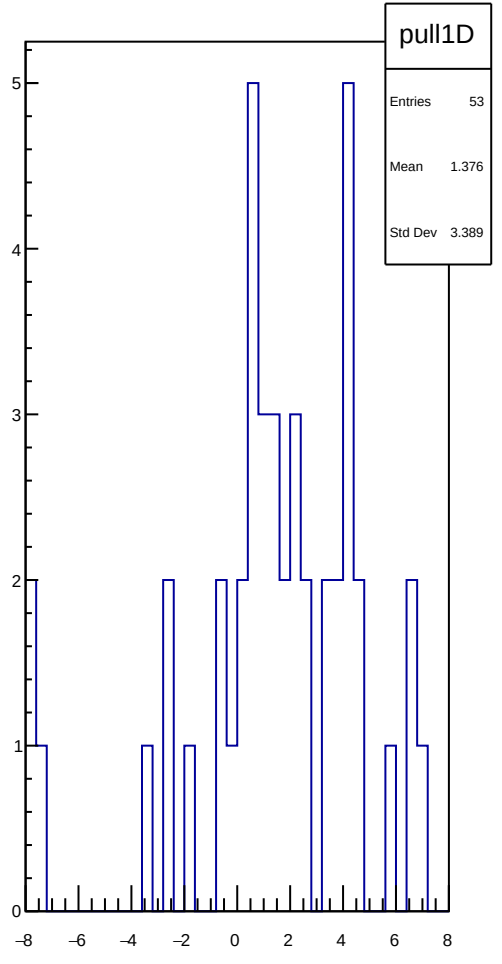

asym_bpm2i02WS_rms vs run
χ² / ndf 1.026e+05 / 52
p0 88.93 ± 0.09379
500
400
300
200
100

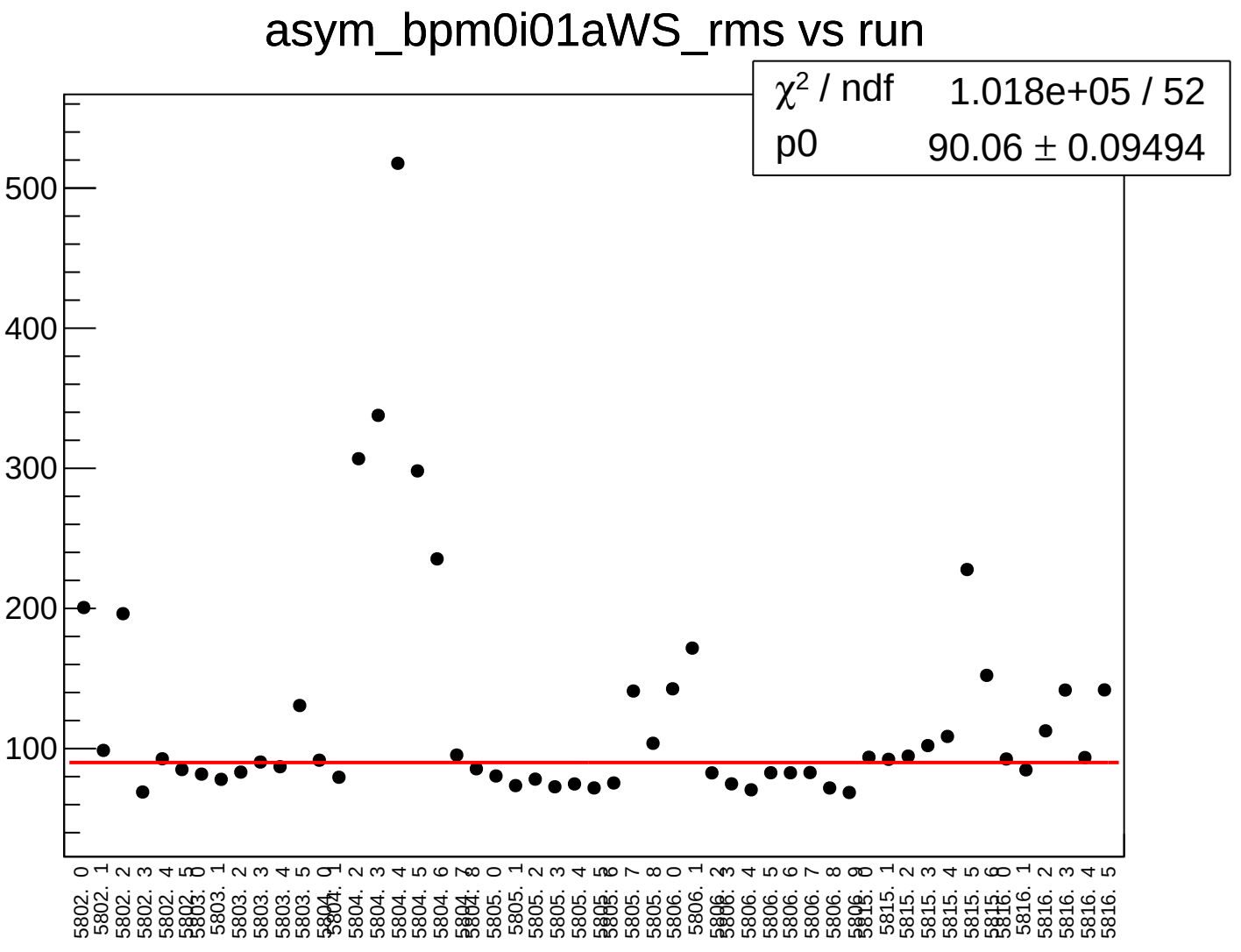

asym_bpm0i01WS_mean vs run
χ² / ndf 774.9 / 52
p0 1.212e+04 ± 175.5
pull
Entries 53
Mean 333.8
Std Dev 0

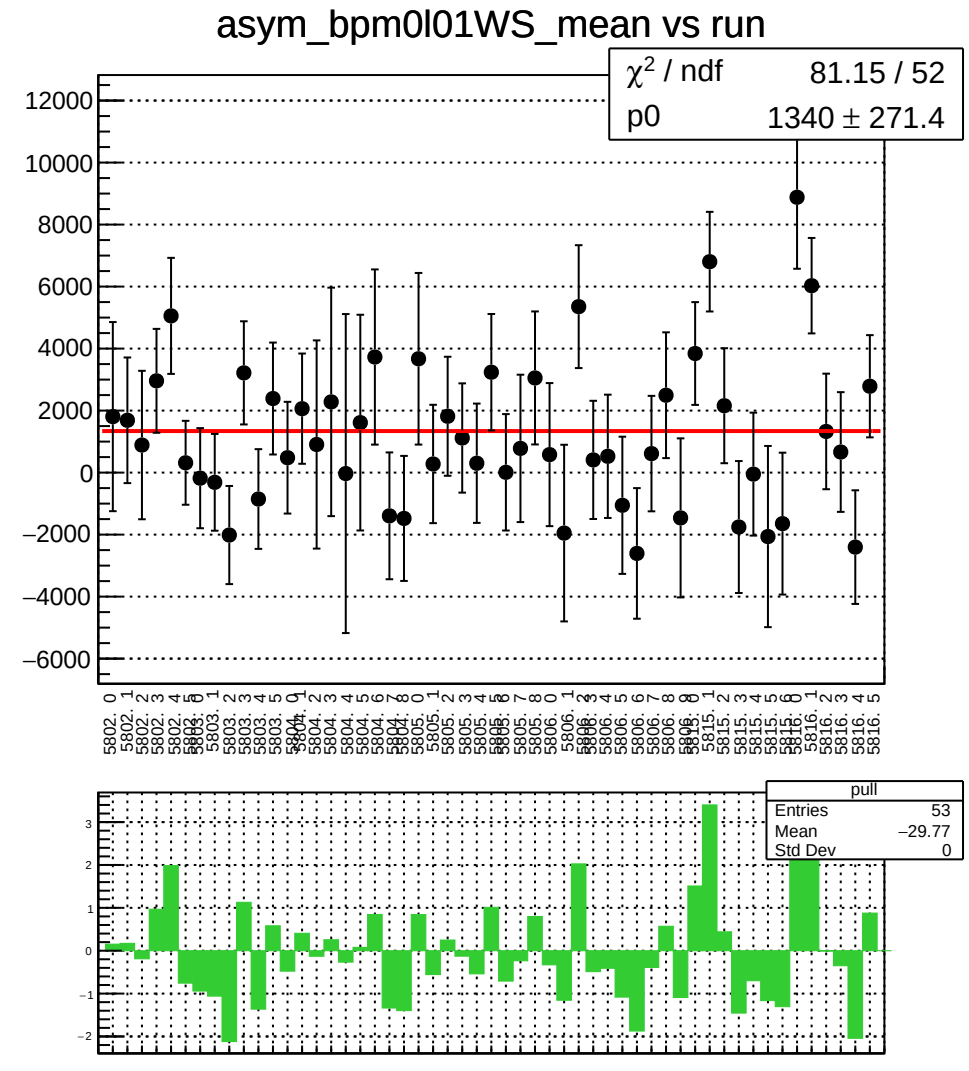

pull1D
Entries 53
Mean 0.2586
Std Dev 3.405

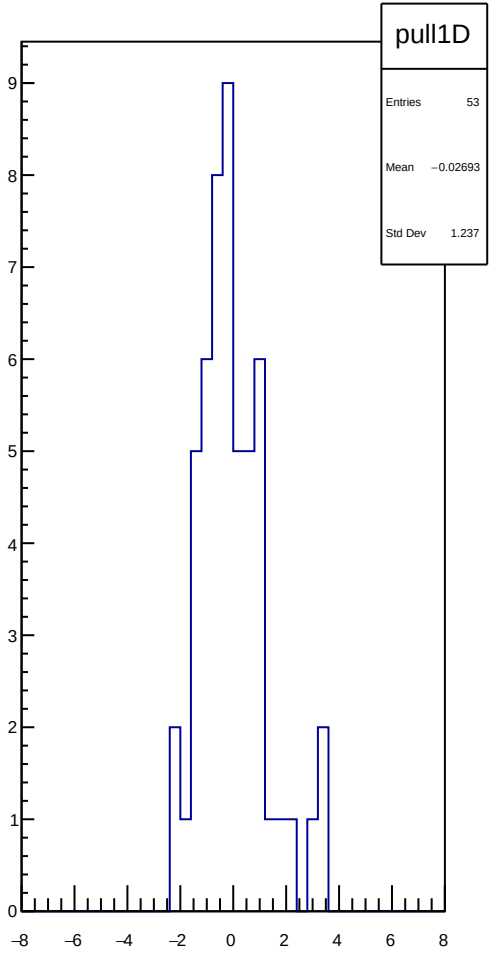

asym_bpm0i01WS_rms vs run
χ² / ndf 6.732e+04 / 52
p0 120 ± 0.1241
500
400
300
200
100

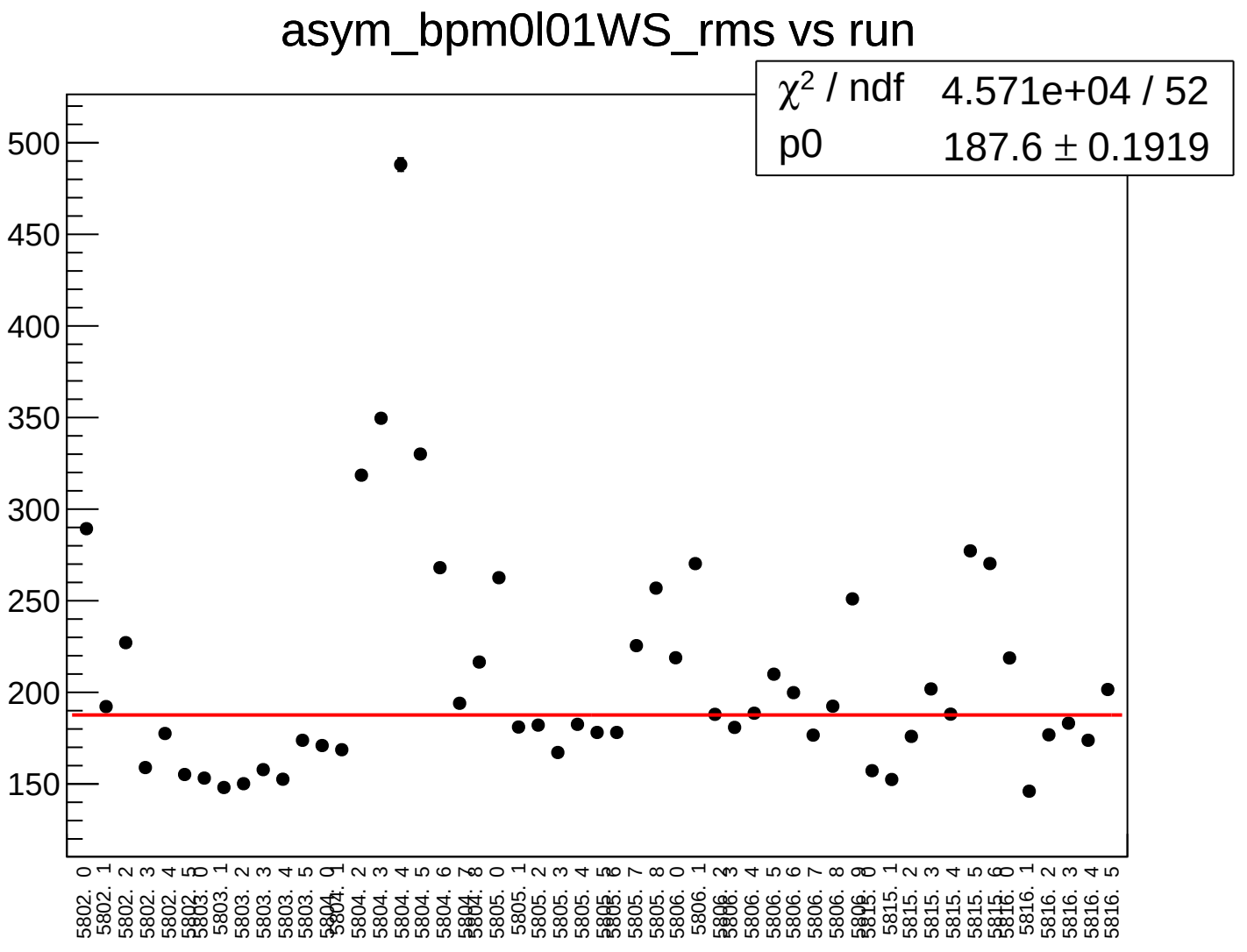

asym_bpm0i01aWS_mean vs run
χ² / ndf 1373 / 52
p0 1.354e+04 ± 134.3
pull
Entries 53
Mean 185.7
Std Dev 0

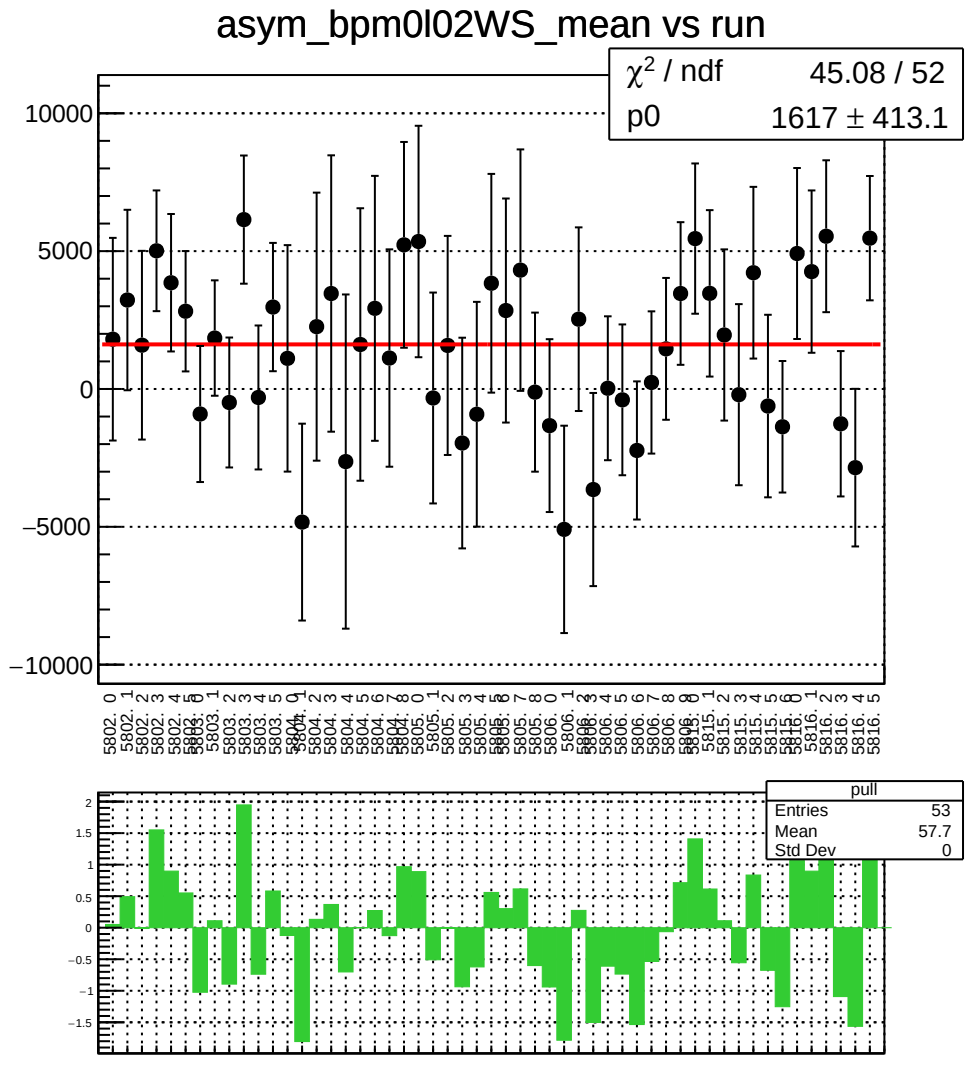

pull1D
Entries 53
Mean 1.376
Std Dev 3.389

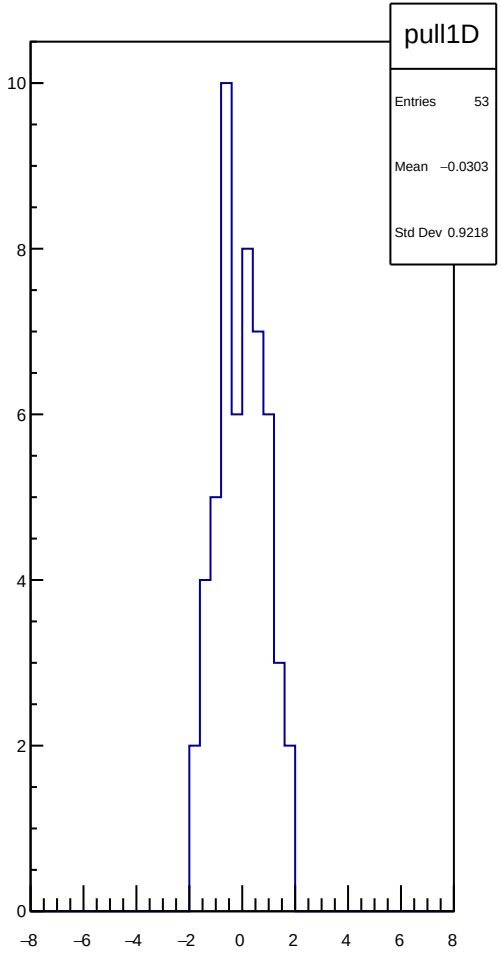

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.018e+05 / 52
p0 90.06 ± 0.09494
500
400
300
200
100

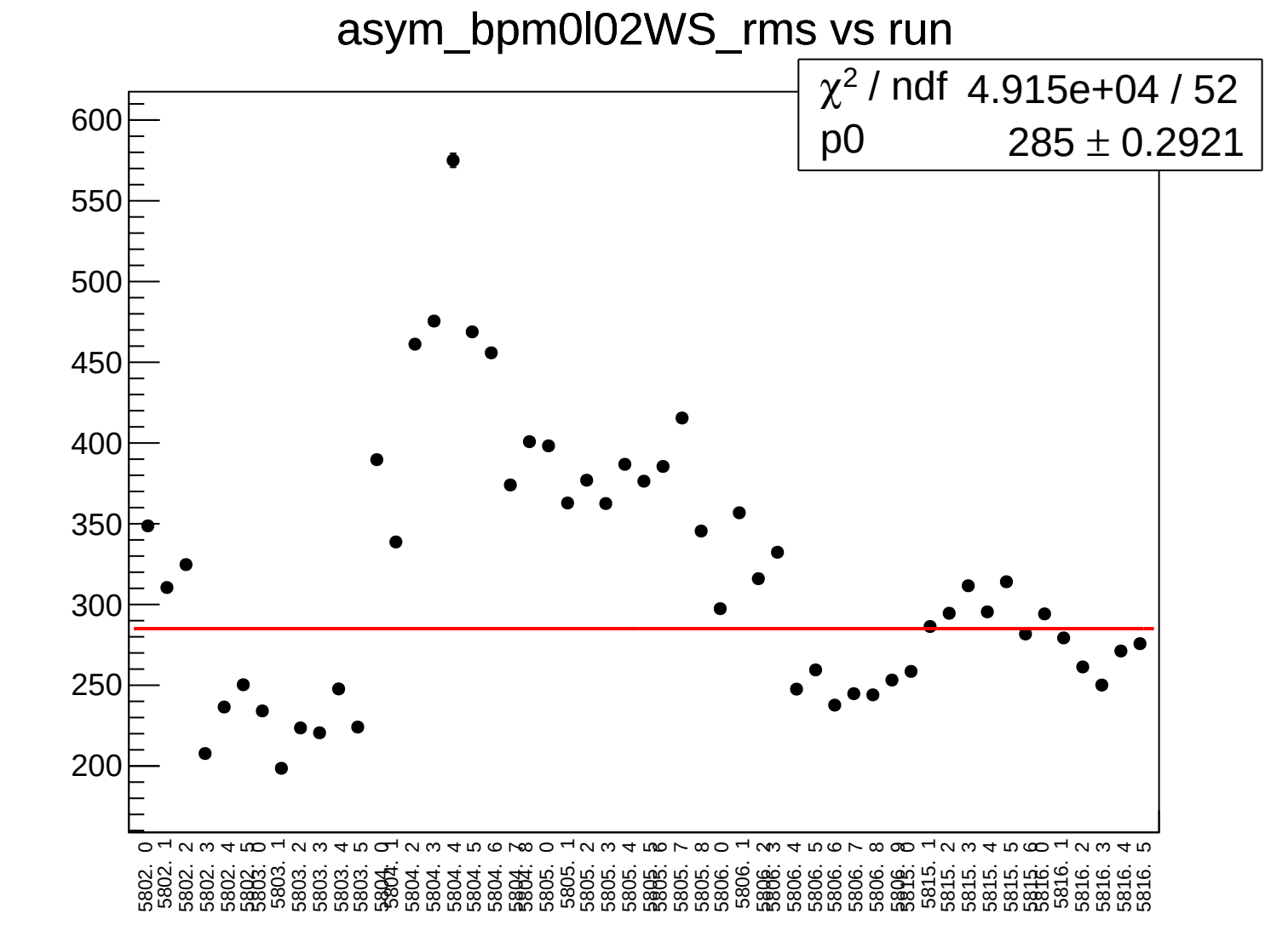

asym_bpm0l01WS_mean vs run
χ² / ndf 81.15 / 52
p0 1340 ± 271.4
pull
Entries 53
Mean −29.77
Std Dev 0

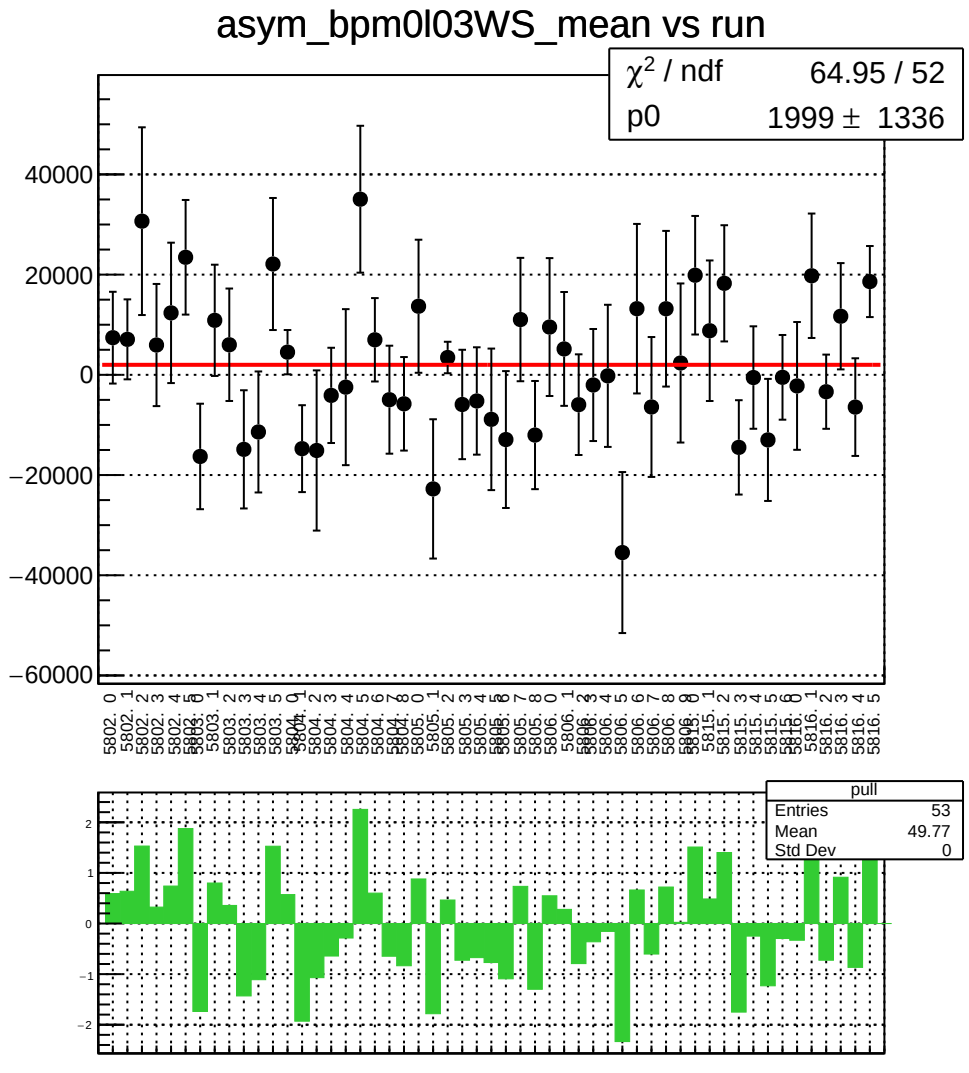

pull1D
Entries 53
Mean −0.02693
Std Dev 1.237

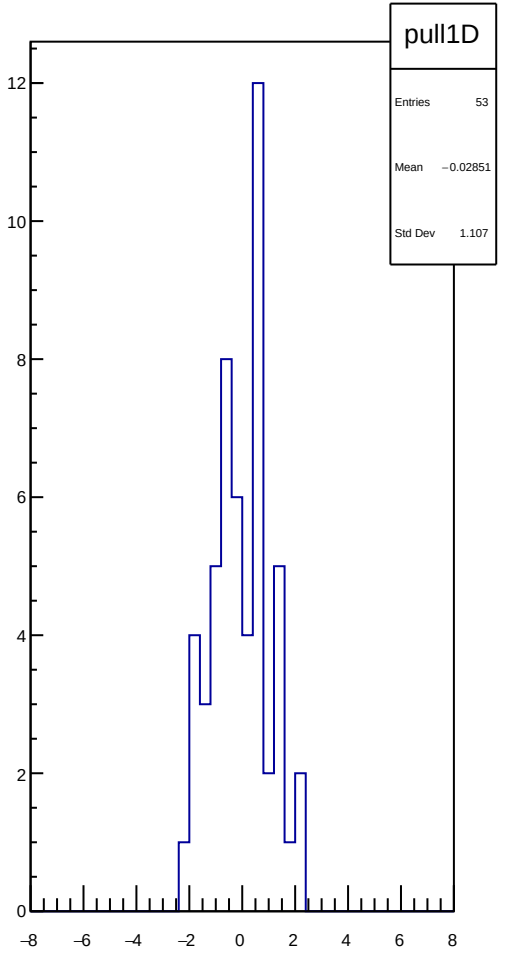

asym_bpm0l01WS_rms vs run
χ² / ndf 4.571e+04 / 52
p0 187.6 ± 0.1919
500
450
400
350
300
250
200
150

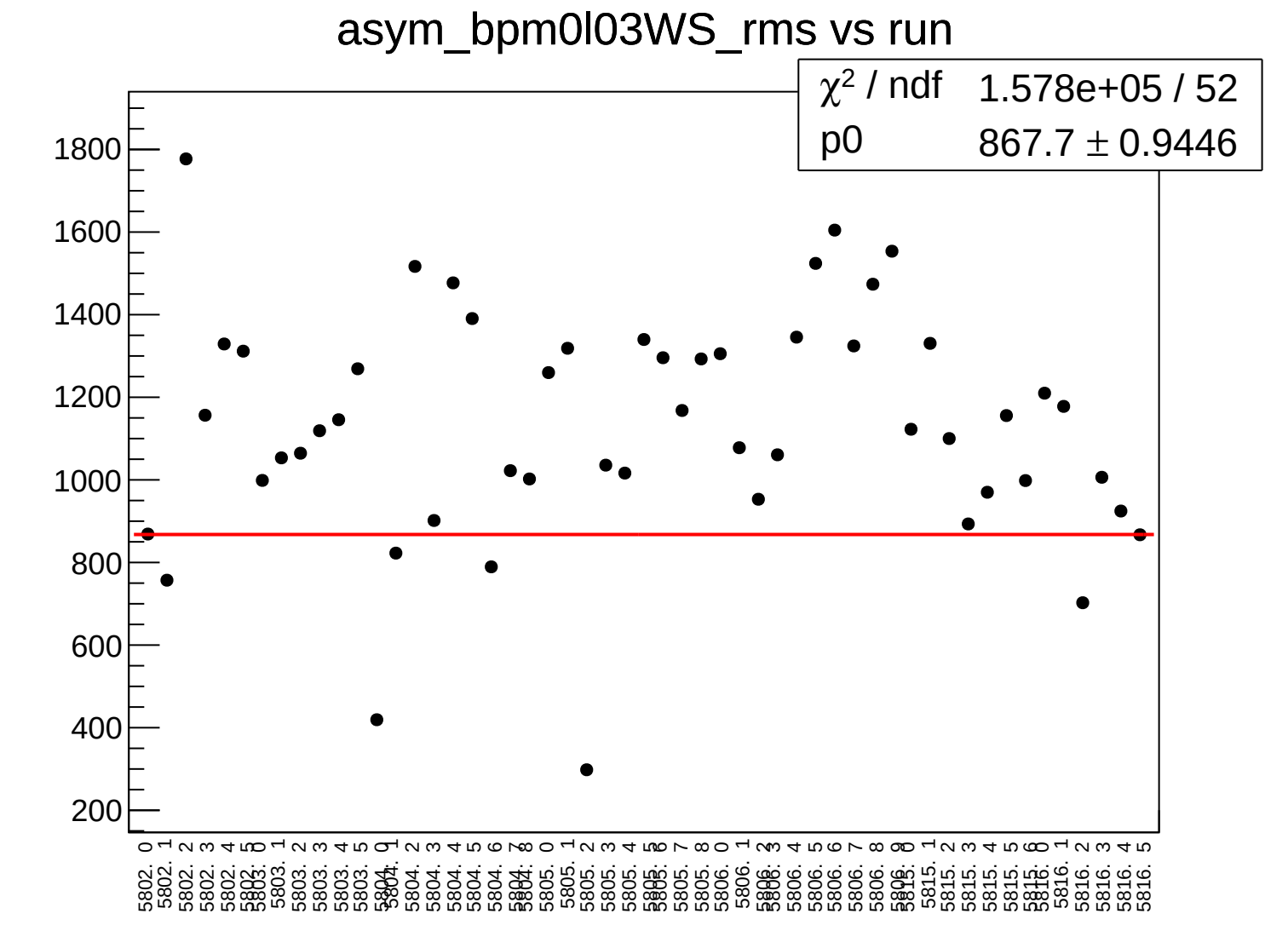

asym_bpm0l02WS_mean vs run
χ² / ndf 45.08 / 52
p0 1617 ± 413.1
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 57.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

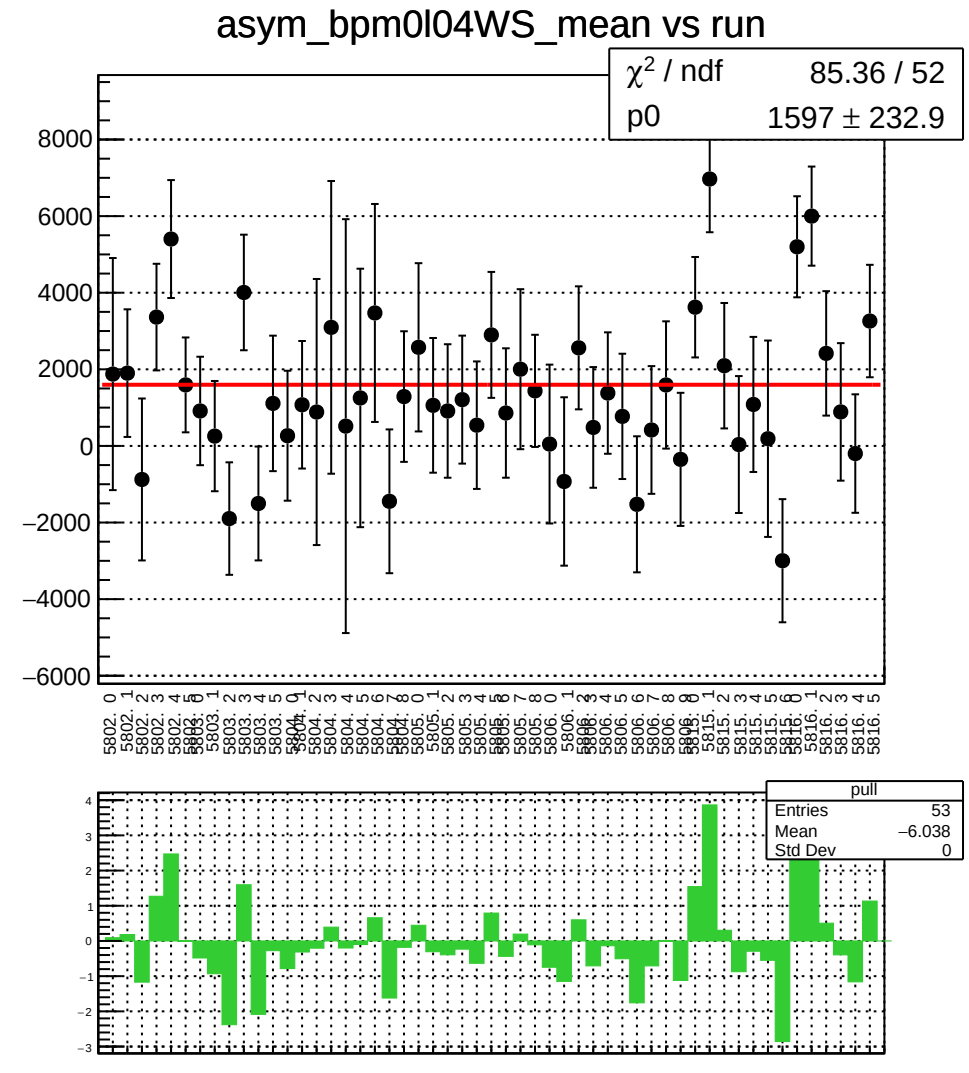

pull1D
Entries 53
Mean −0.0303
Std Dev 0.9218
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

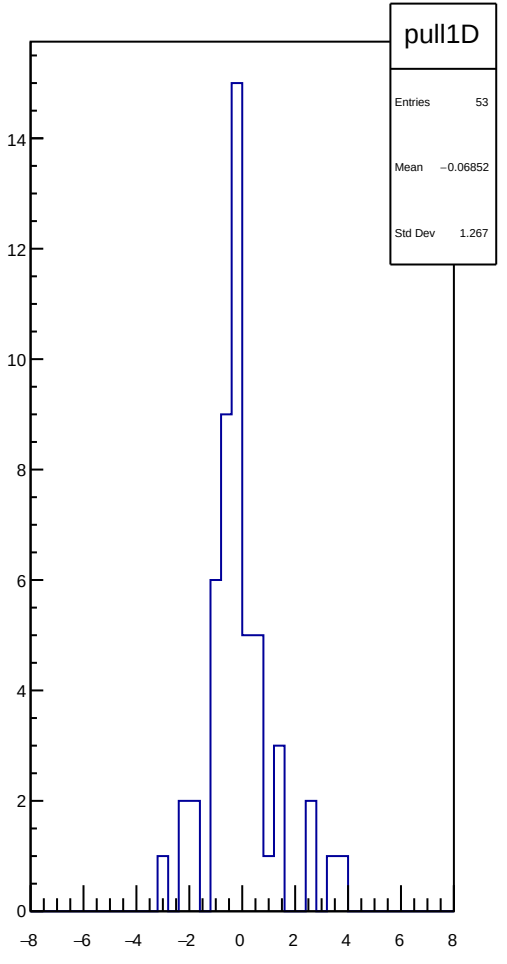

asym_bpm0l02WS_rms vs run
χ² / ndf 4.915e+04 / 52
p0 285 ± 0.2921
600
550
500
450
400
350
300
250
200

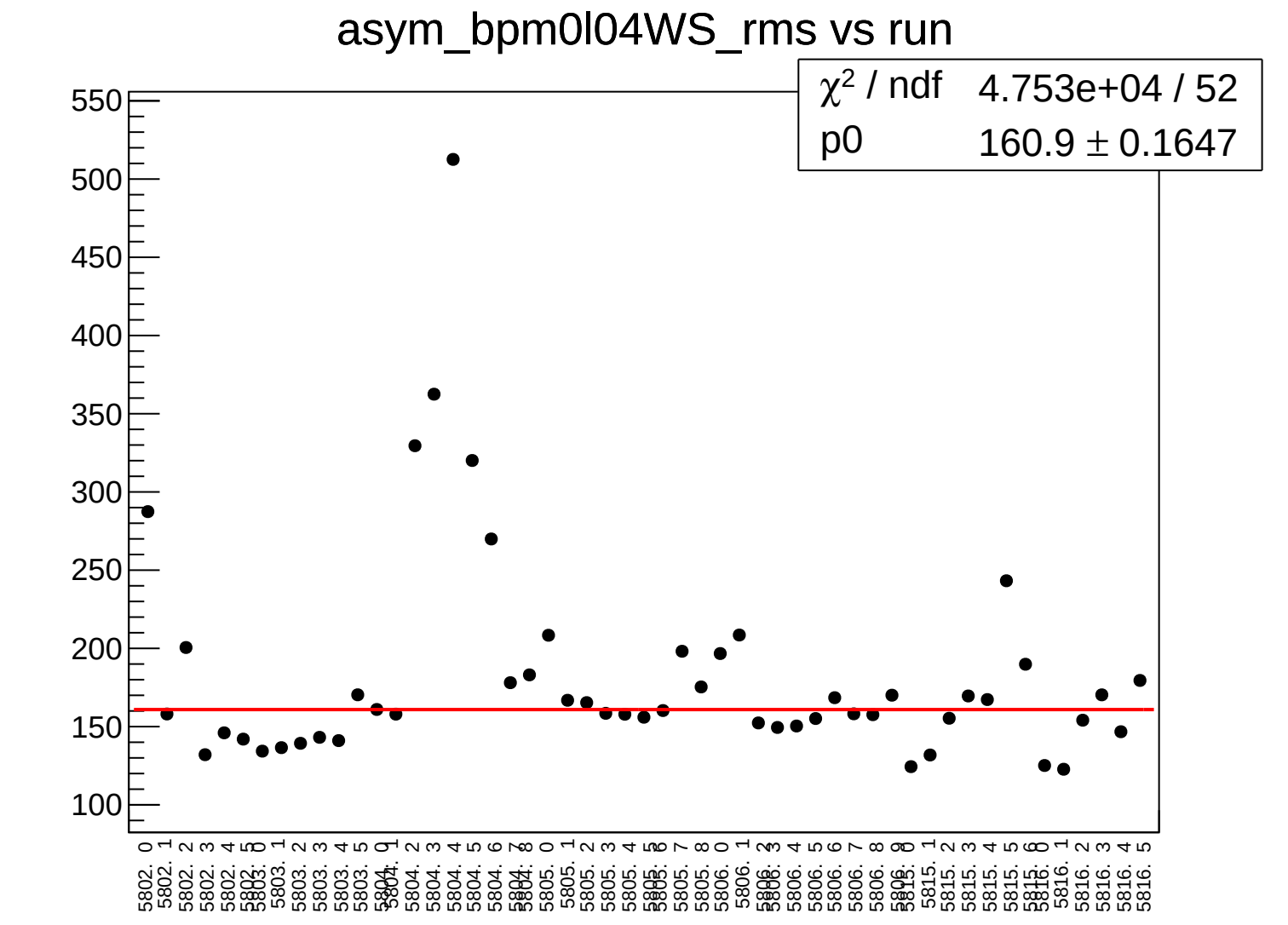

asym_bpm0l03WS_mean vs run
χ² / ndf 64.95 / 52
p0 1999 ± 1336
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 49.77
Std Dev 0
2
1
0
−1
−2

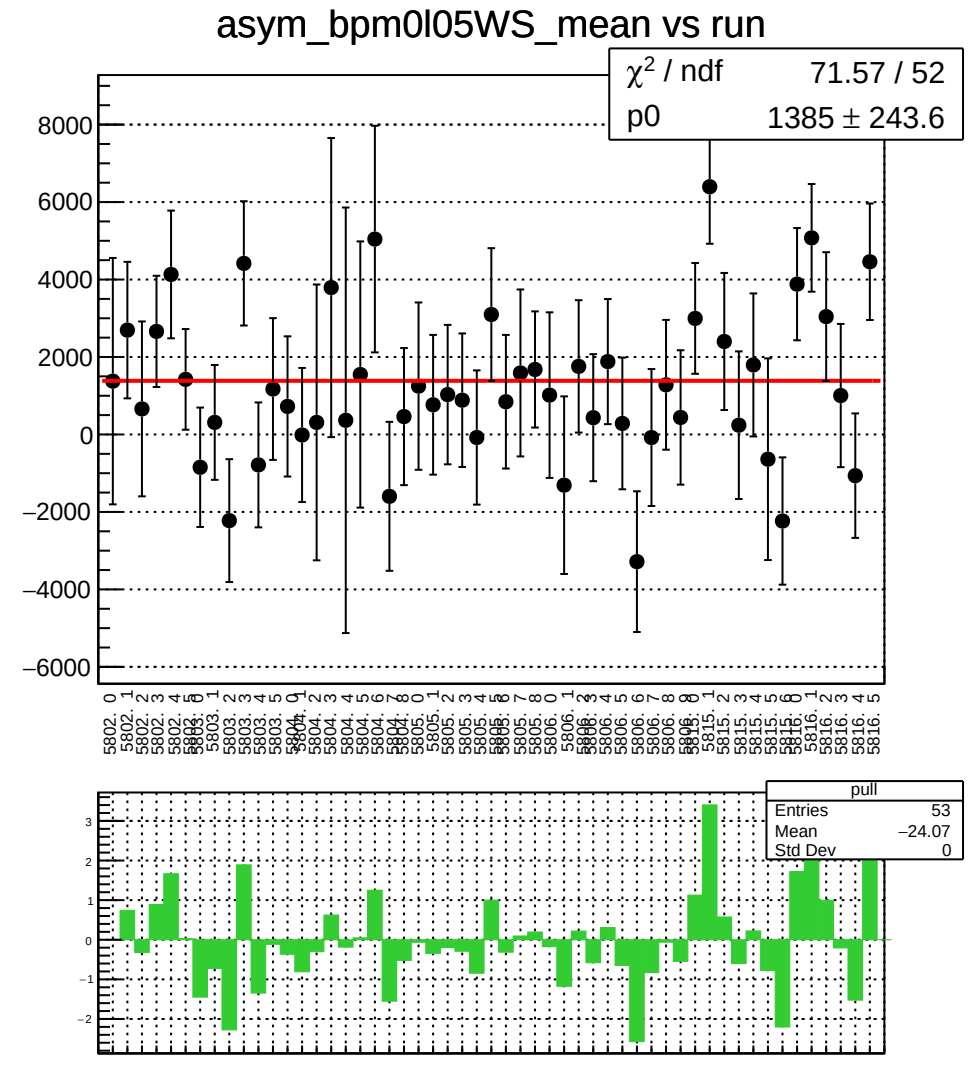

pull1D
Entries 53
Mean −0.02851
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

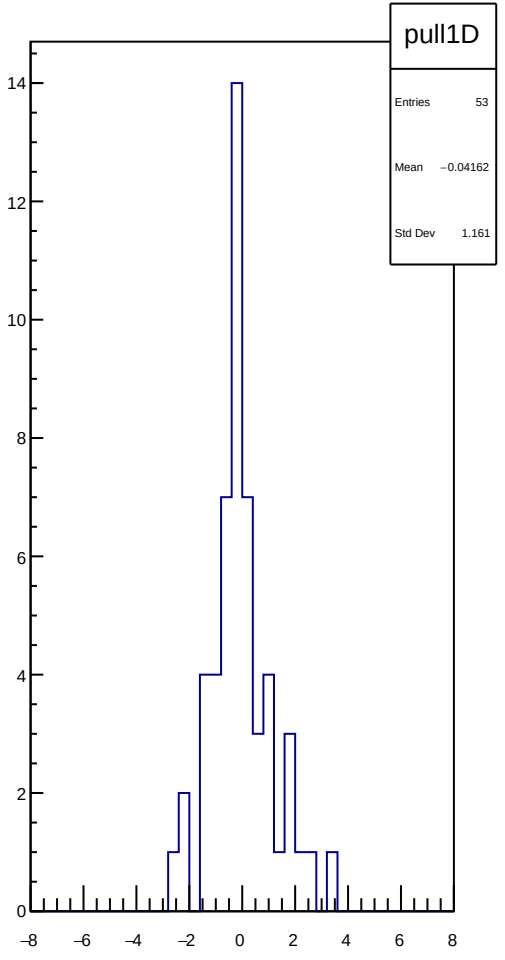

asym_bpm0l03WS_rms vs run
χ² / ndf 1.578e+05 / 52
p0 867.7 ± 0.9446
1800
1600
1400
1200
1000
800
600
400
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

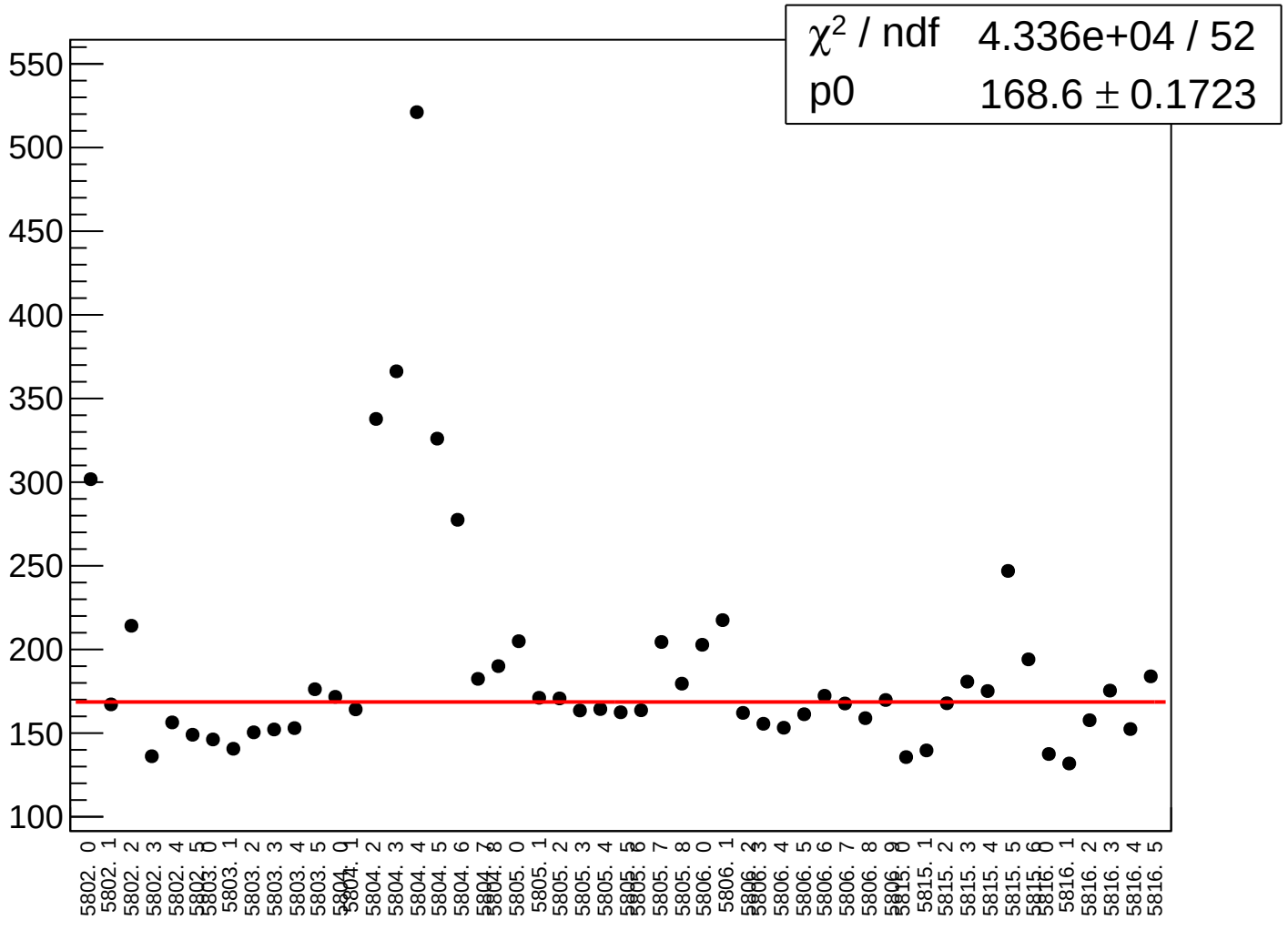

asym_bpm0l04WS_mean vs run
χ² / ndf 85.36 / 52
p0 1597 ± 232.9
pull
Entries 53
Mean −6.038
Std Dev 0

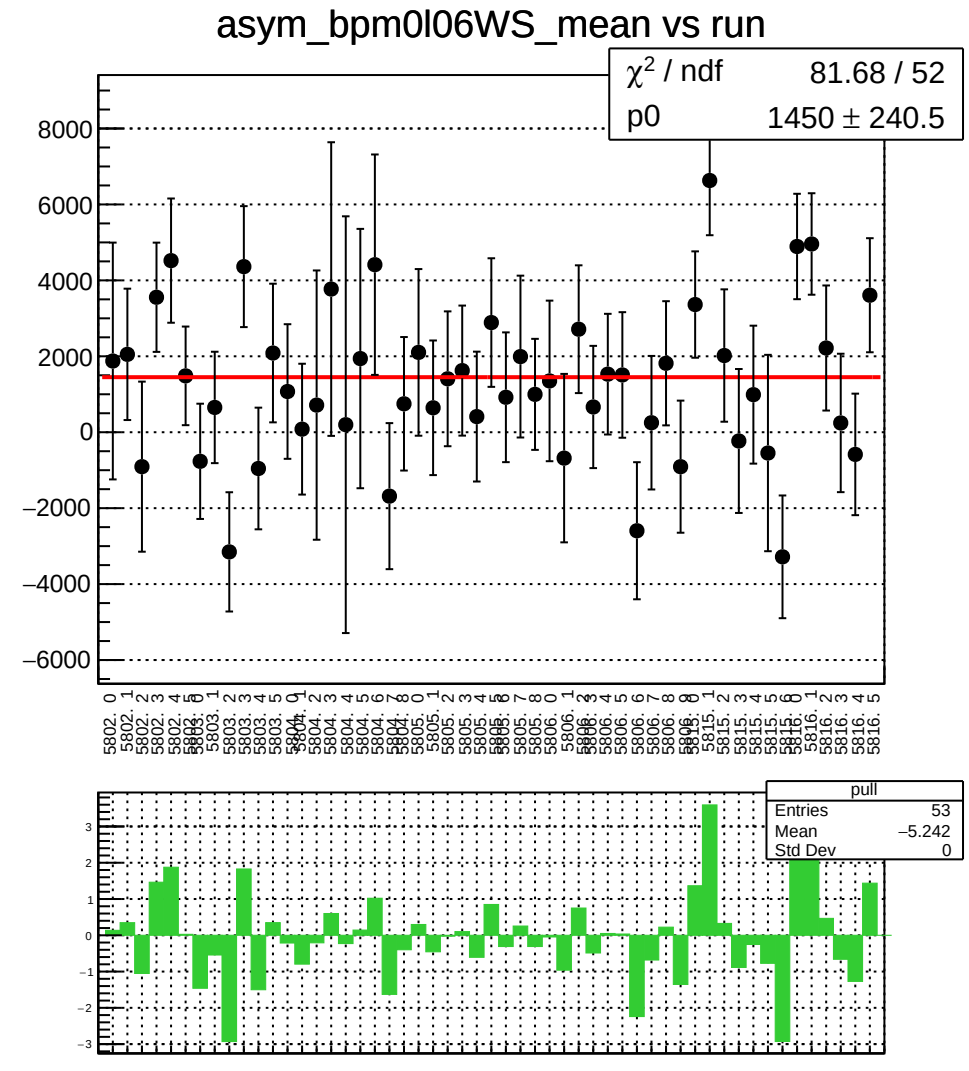

pull1D
Entries 53
Mean −0.06852
Std Dev 1.267

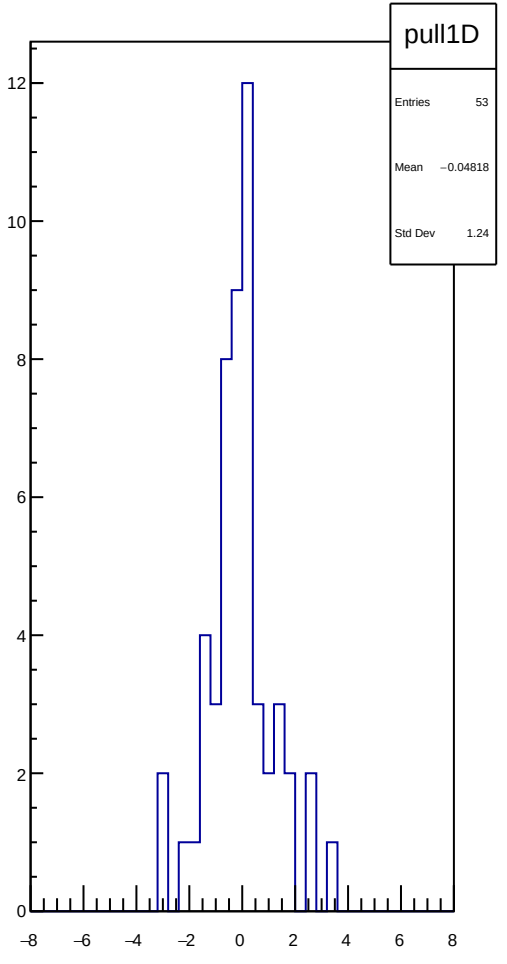

asym_bpm0l04WS_rms vs run
χ² / ndf 4.753e+04 / 52
p0 160.9 ± 0.1647
550
500
450
400
350
300
250
200
150
100

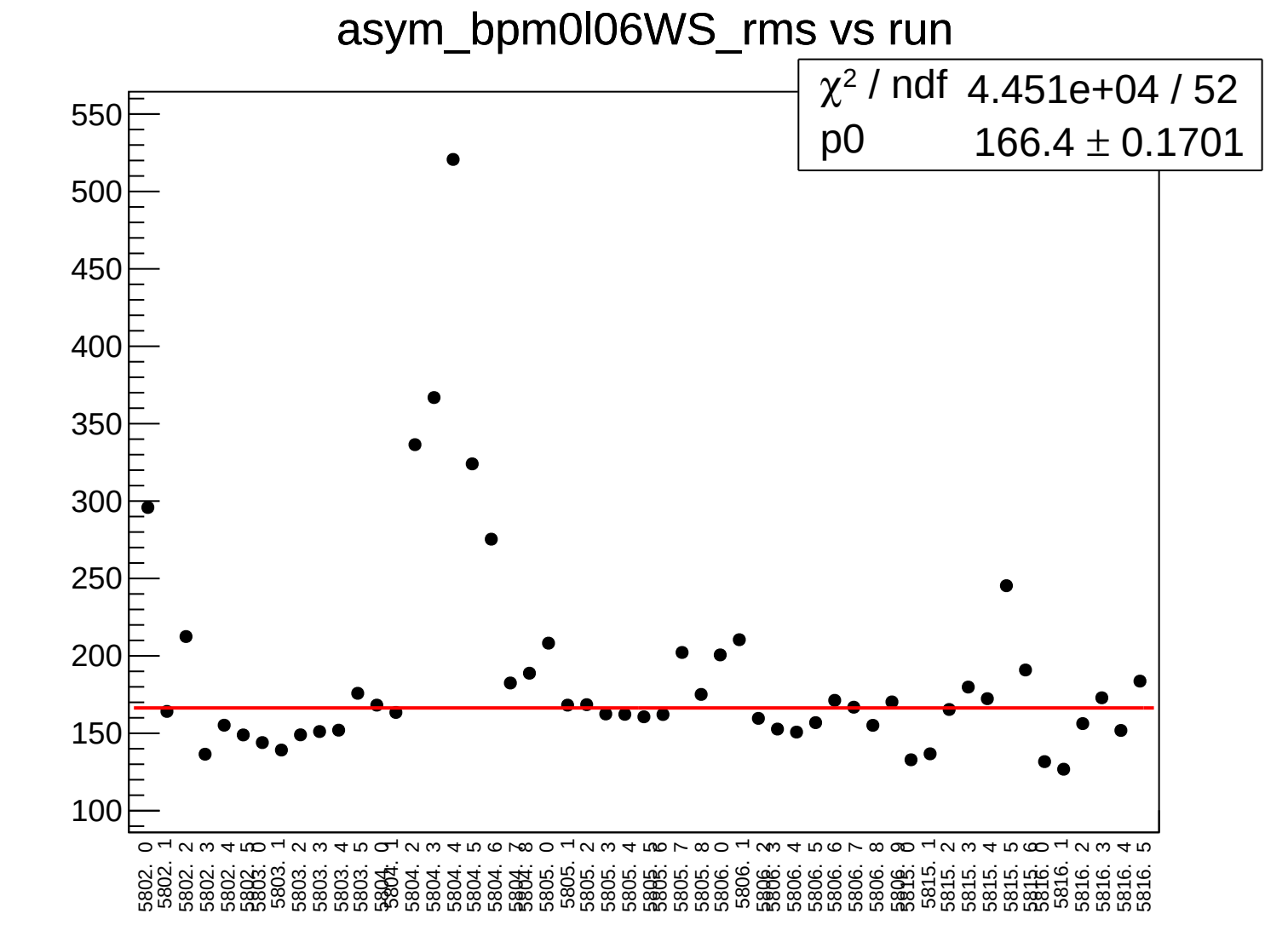

asym_bpm0l05WS_mean vs run
χ² / ndf 71.57 / 52
p0 1385 ± 243.6
pull
Entries 53
Mean −24.07
Std Dev 0

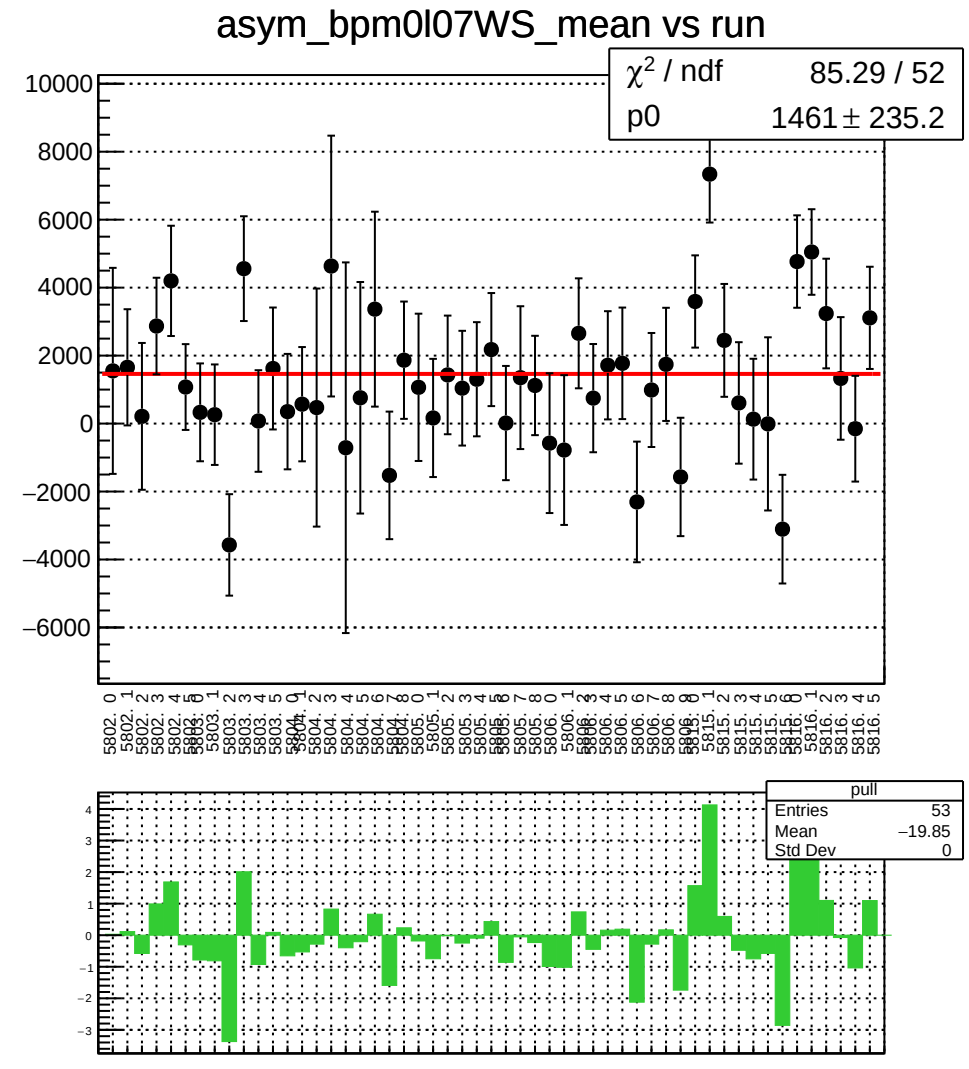

pull1D
Entries 53
Mean −0.04162
Std Dev 1.161

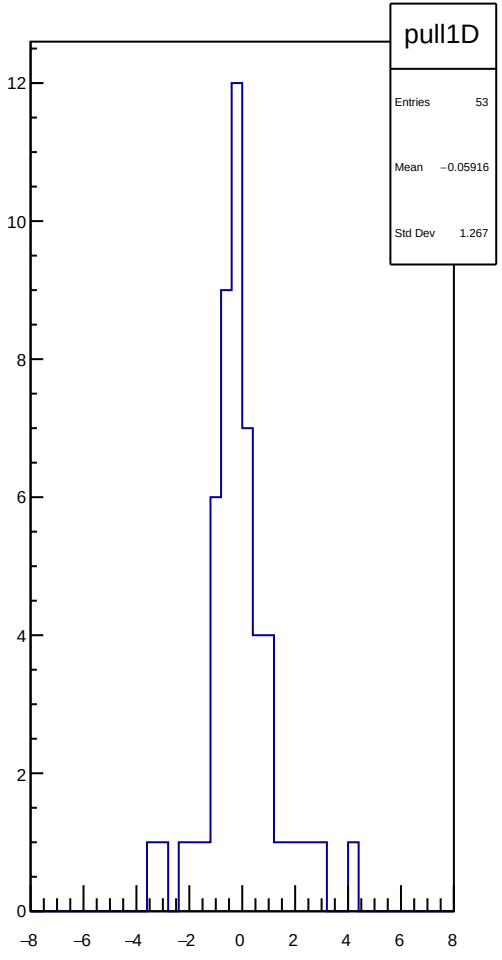

asym_bpm0l05WS_rms vs run
χ² / ndf 4.336e+04 / 52
p0 168.6 ± 0.1723
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

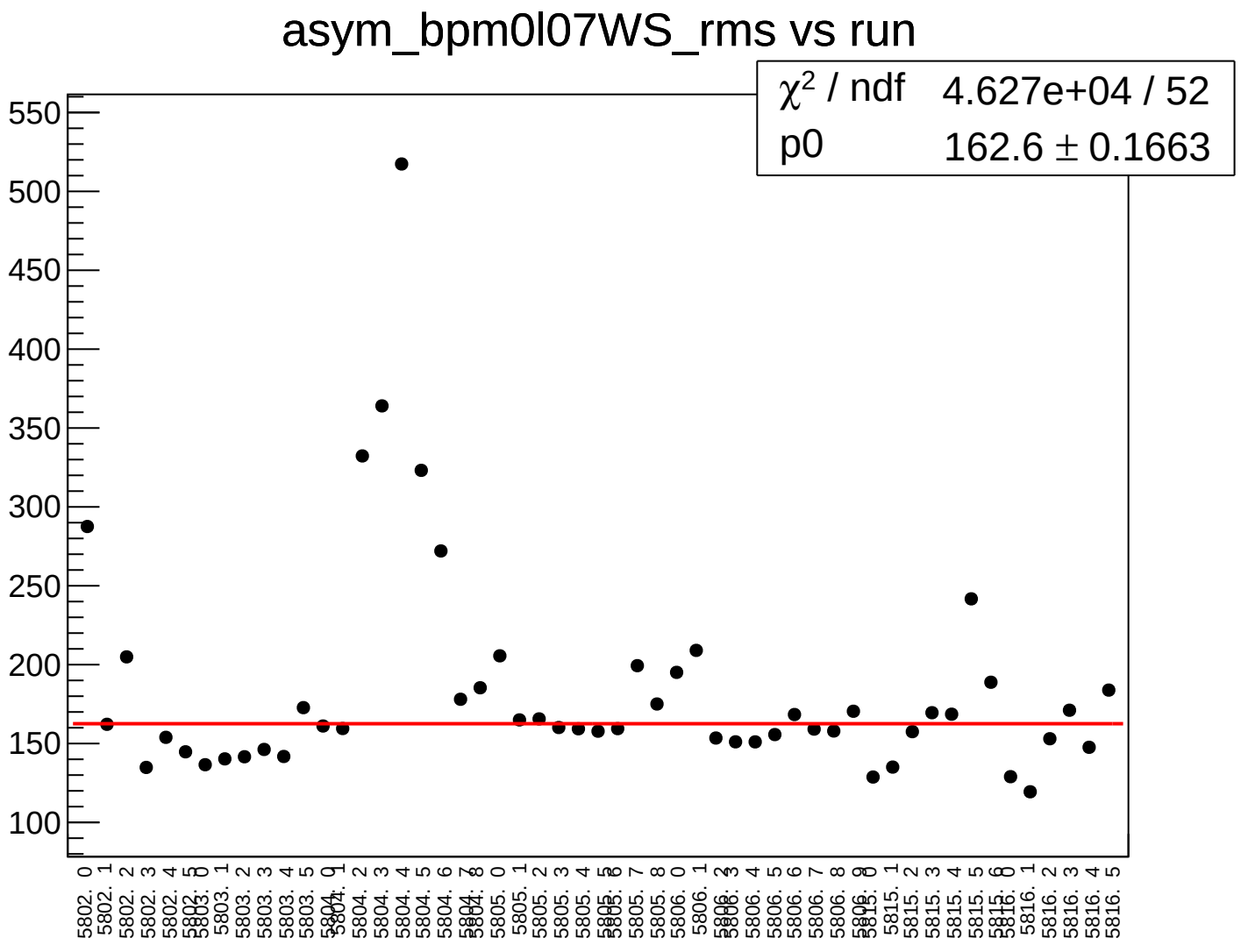

asym_bpm0l06WS_mean vs run
χ² / ndf 81.68 / 52
p0 1450 ± 240.5
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −5.242
Std Dev 0
3
2
1
0
−1
−2
−3

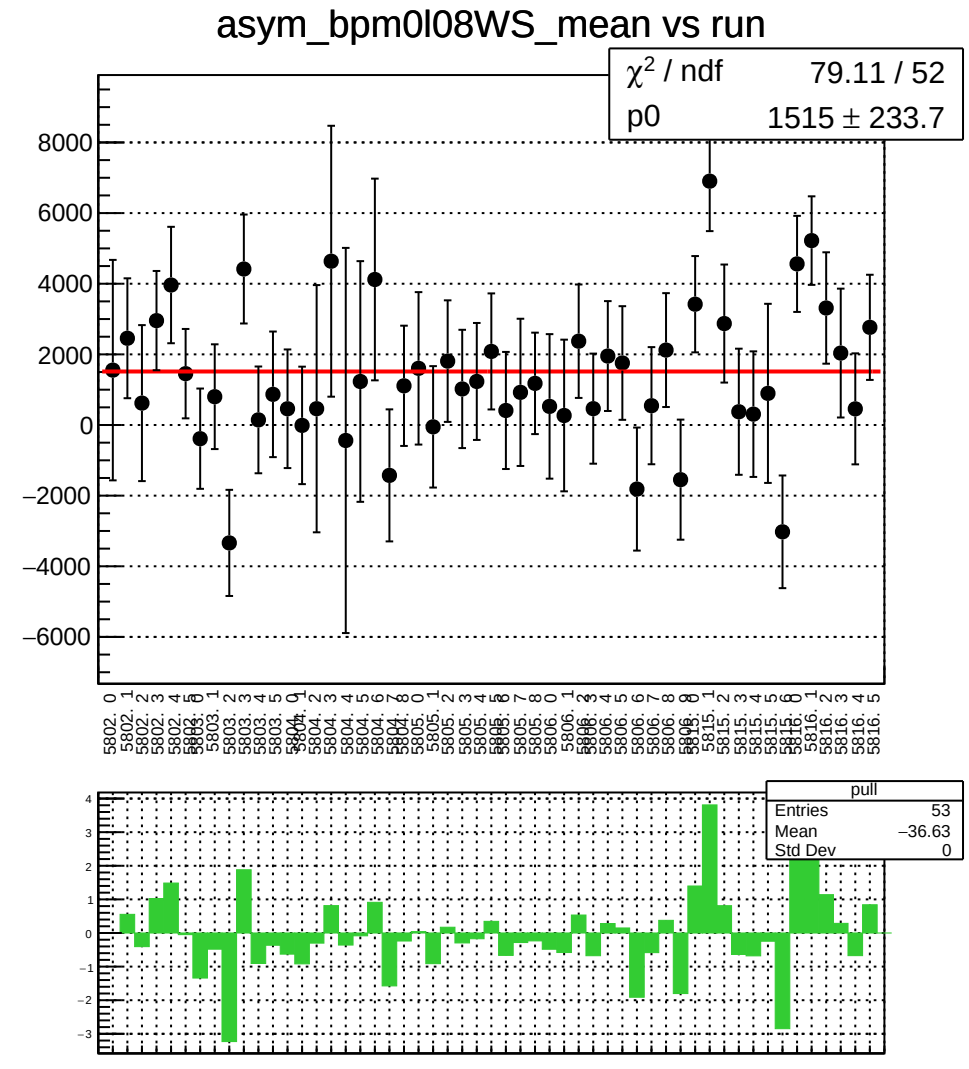

pull1D
Entries 53
Mean −0.04818
Std Dev 1.24
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

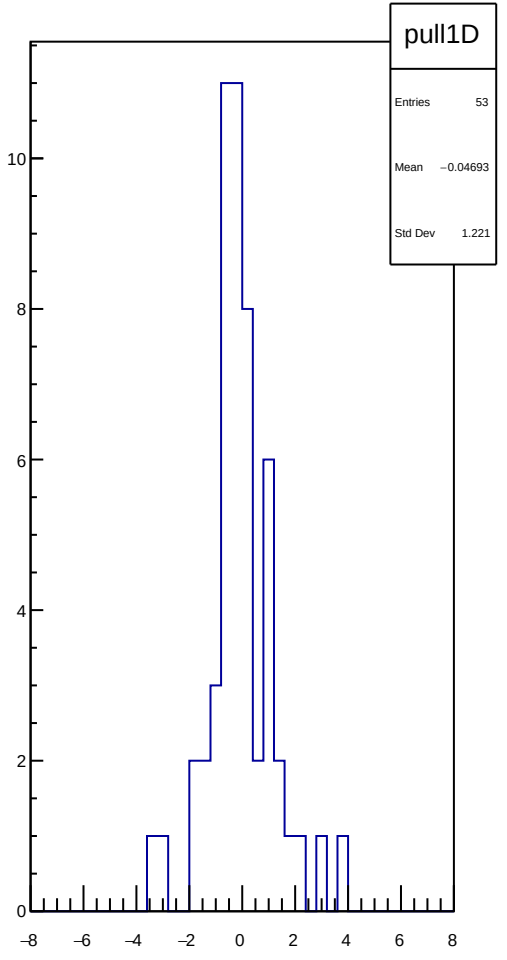

asym_bpm0l06WS_rms vs run
χ² / ndf 4.451e+04 / 52
p0 166.4 ± 0.1701
550
500
450
400
350
300
250
200
150
100

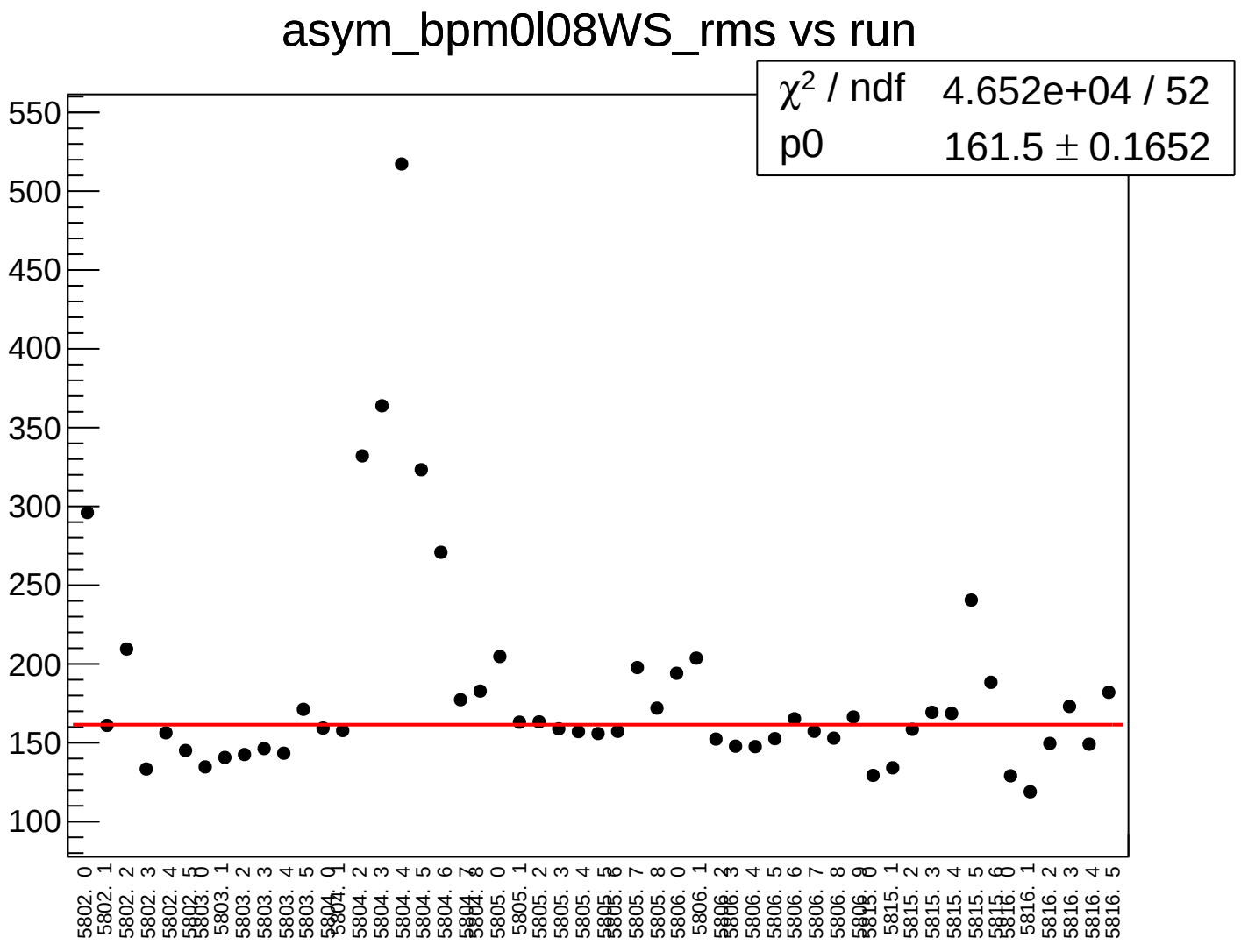

asym_bpm0l07WS_mean vs run
χ² / ndf 85.29 / 52
p0 1461 ± 235.2
pull
Entries 53
Mean −19.85
Std Dev 0

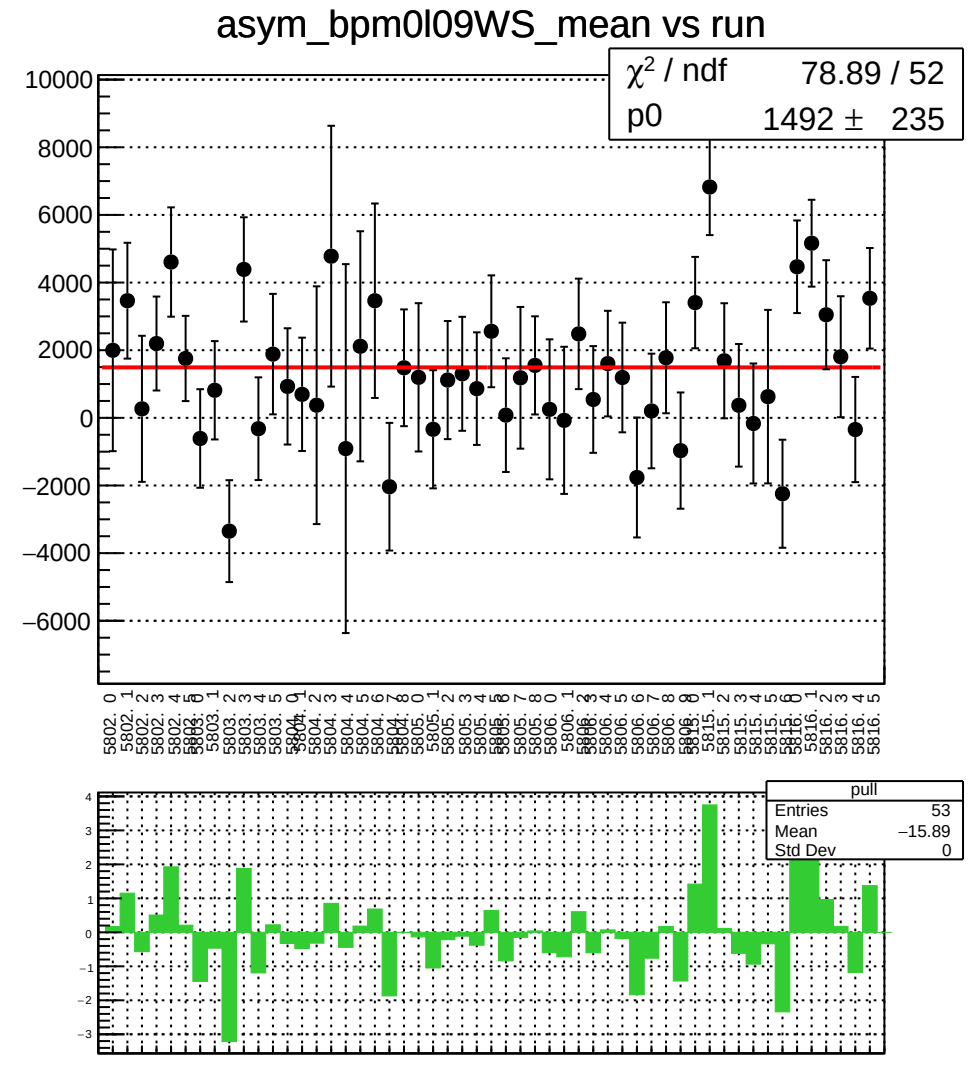

pull1D
Entries 53
Mean −0.05916
Std Dev 1.267

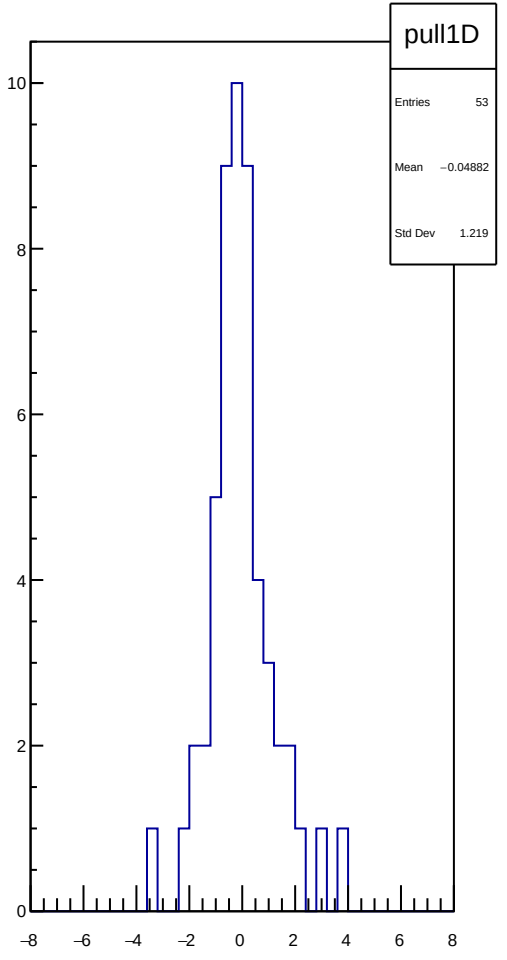

asym_bpm0l07WS_rms vs run
χ^2 / ndf 4.627e+04 / 52
p0 162.6 ± 0.1663
550
500
450
400
350
300
250
200
150
100

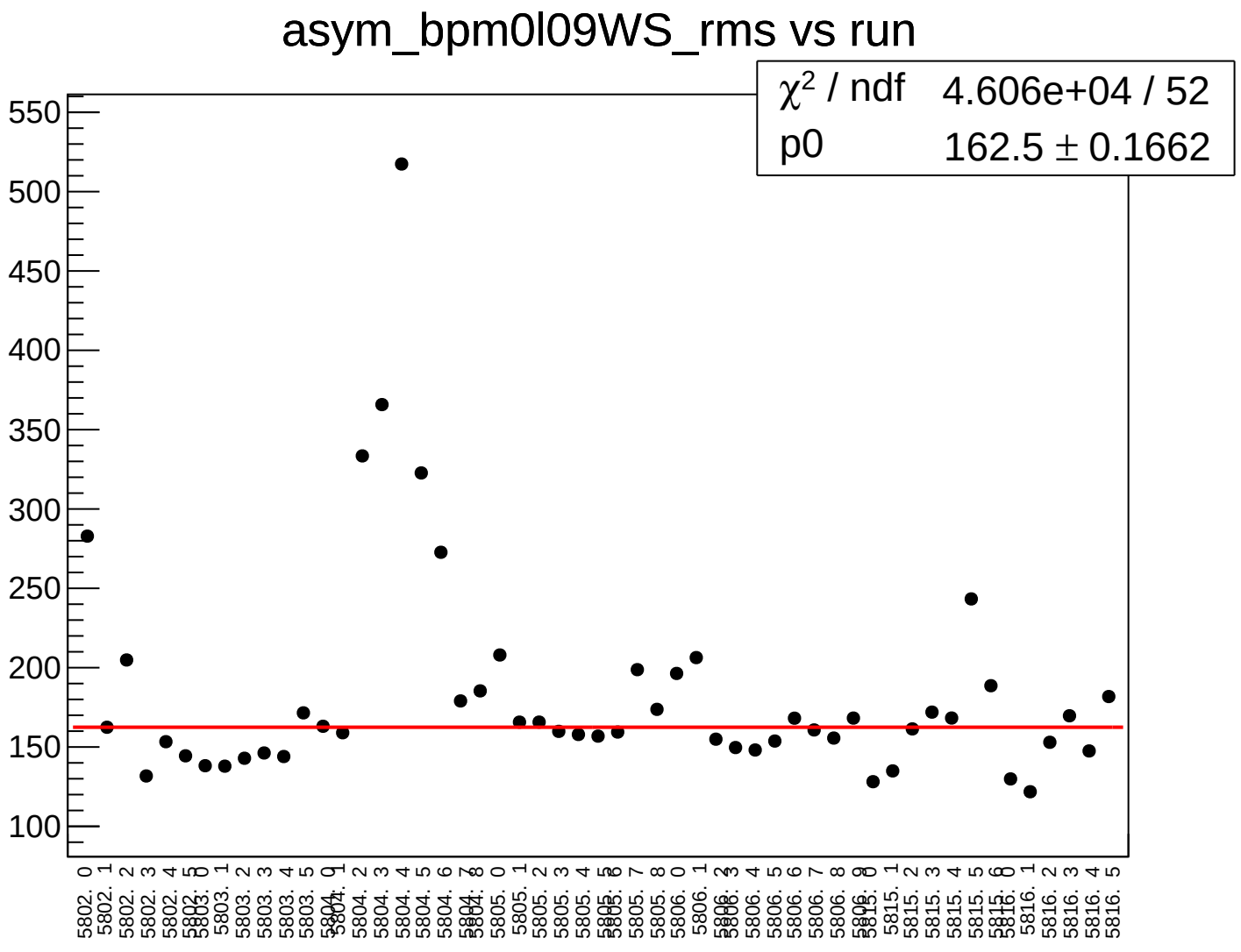

asym_bpm0l08WS_mean vs run
χ² / ndf 79.11 / 52
p0 1515 ± 233.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −36.63
Std Dev 0
4
3
2
1
0
−1
−2
−3

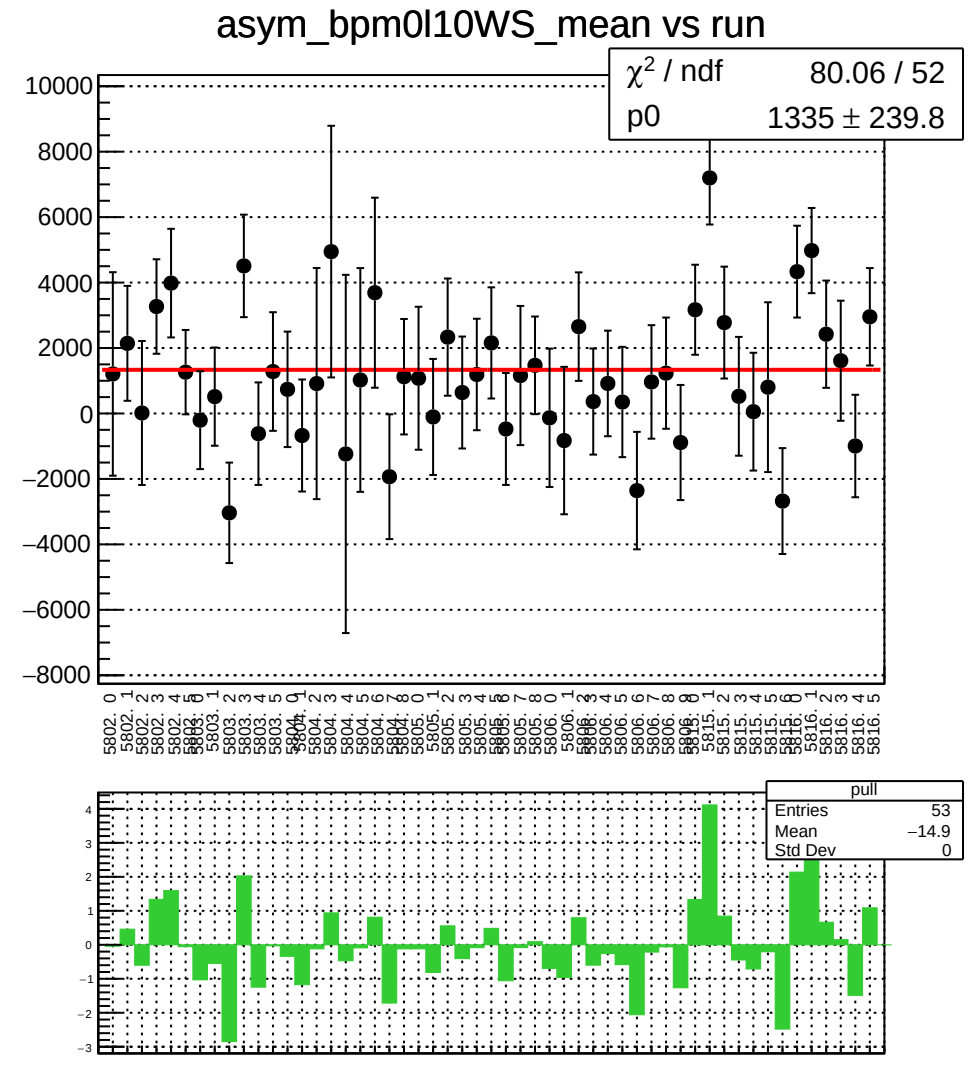

pull1D
Entries 53
Mean −0.04693
Std Dev 1.221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

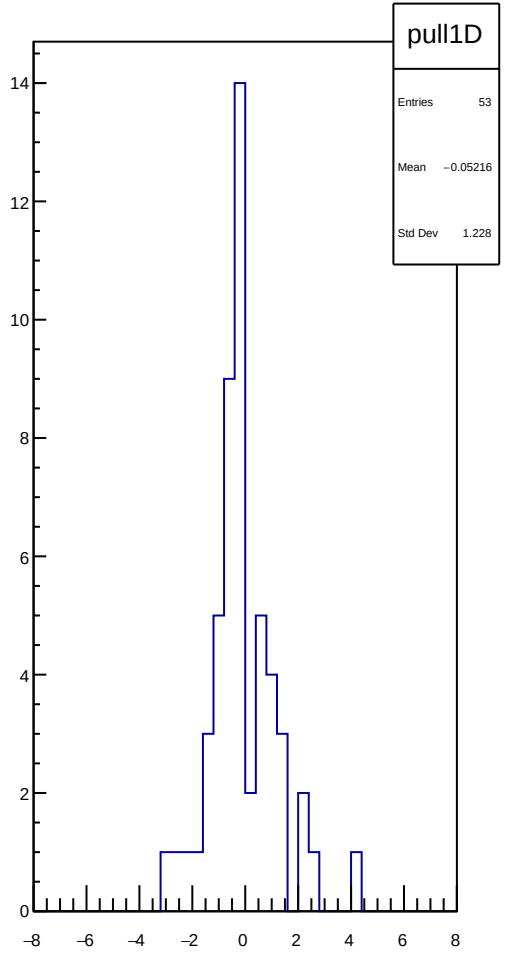

asym_bpm0l08WS_rms vs run
χ² / ndf 4.652e+04 / 52
p0 161.5 ± 0.1652
550
500
450
400
350
300
250
200
150
100

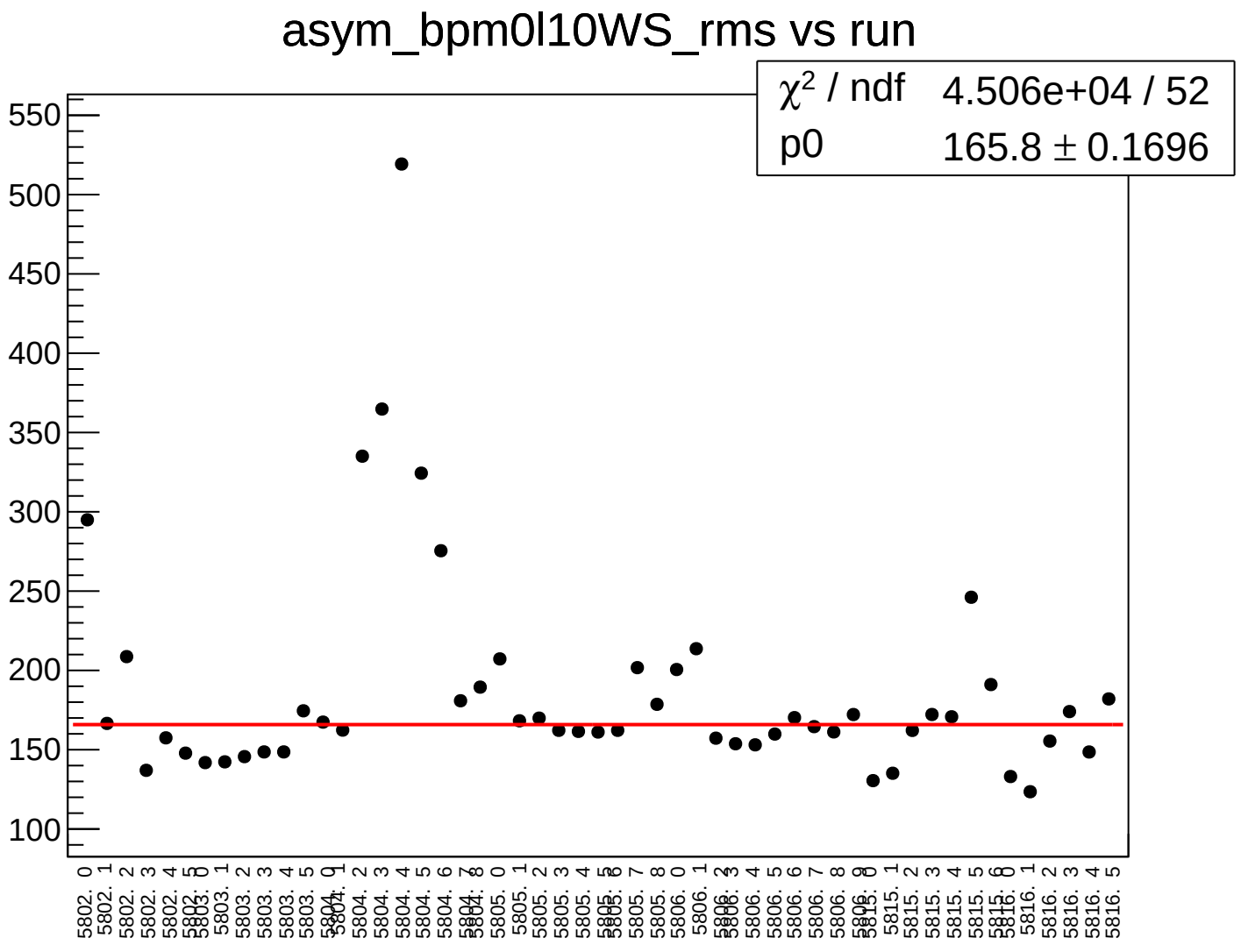

asym_bpm0l09WS_mean vs run
χ² / ndf 78.89 / 52
p0 1492 ± 235
pull
Entries 53
Mean −15.89
Std Dev 0

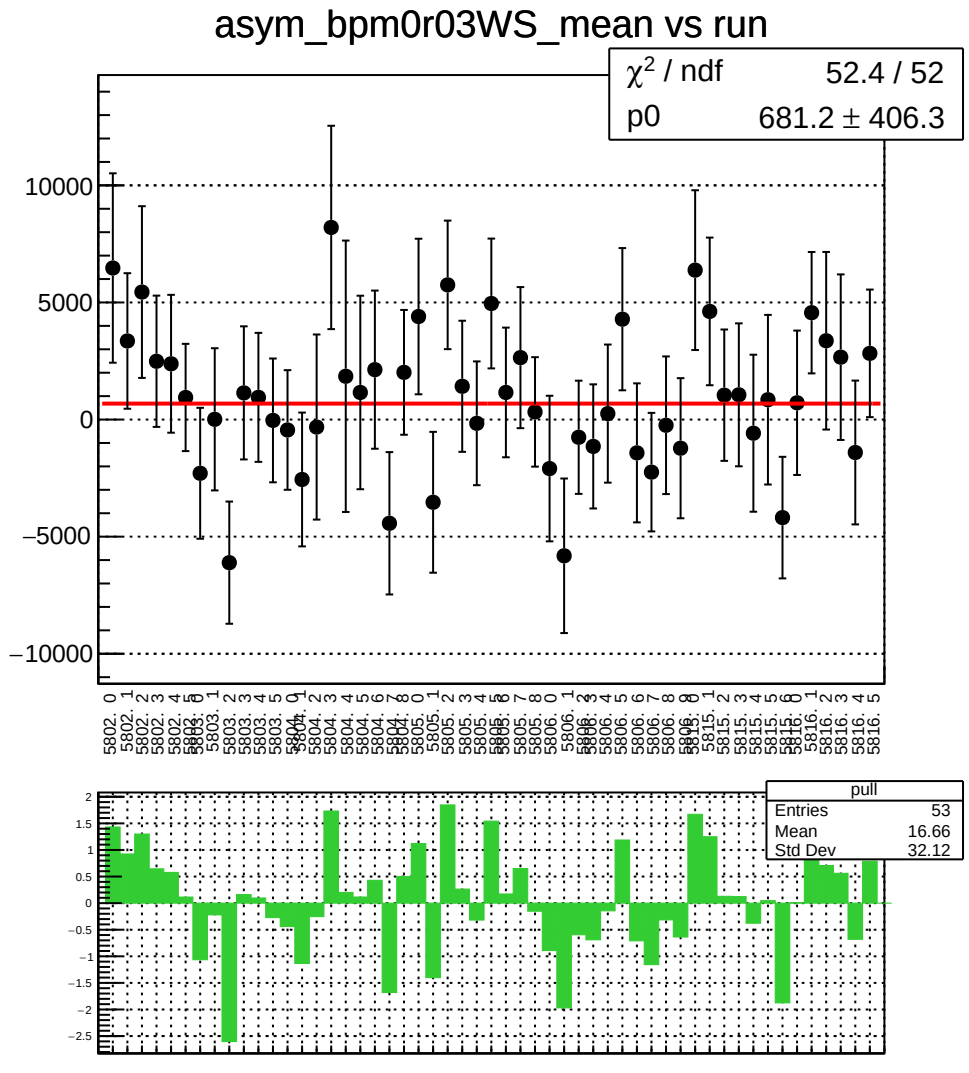

pull1D
Entries 53
Mean −0.04882
Std Dev 1.219

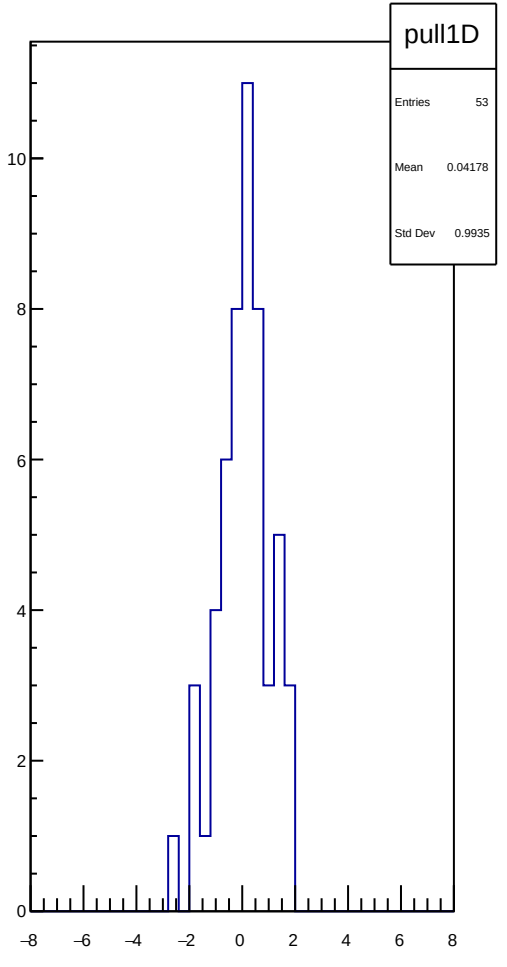

asym_bpm0l09WS_rms vs run
χ² / ndf 4.606e+04 / 52
p0 162.5 ± 0.1662
550
500
450
400
350
300
250
200
150
100

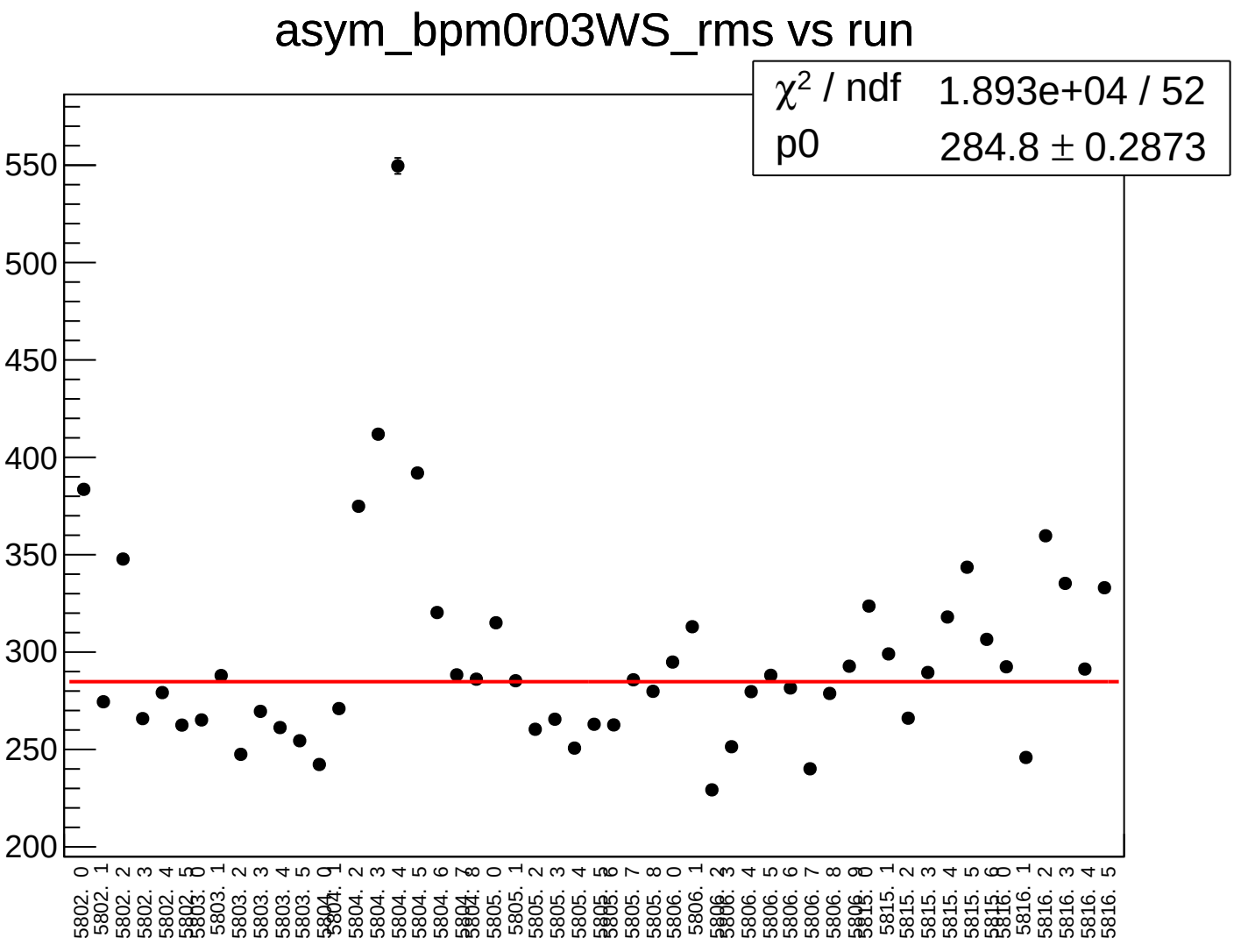

asym_bpm0l10WS_mean vs run
χ² / ndf 80.06 / 52
p0 1335 ± 239.8
pull
Entries 53
Mean −14.9
Std Dev 0

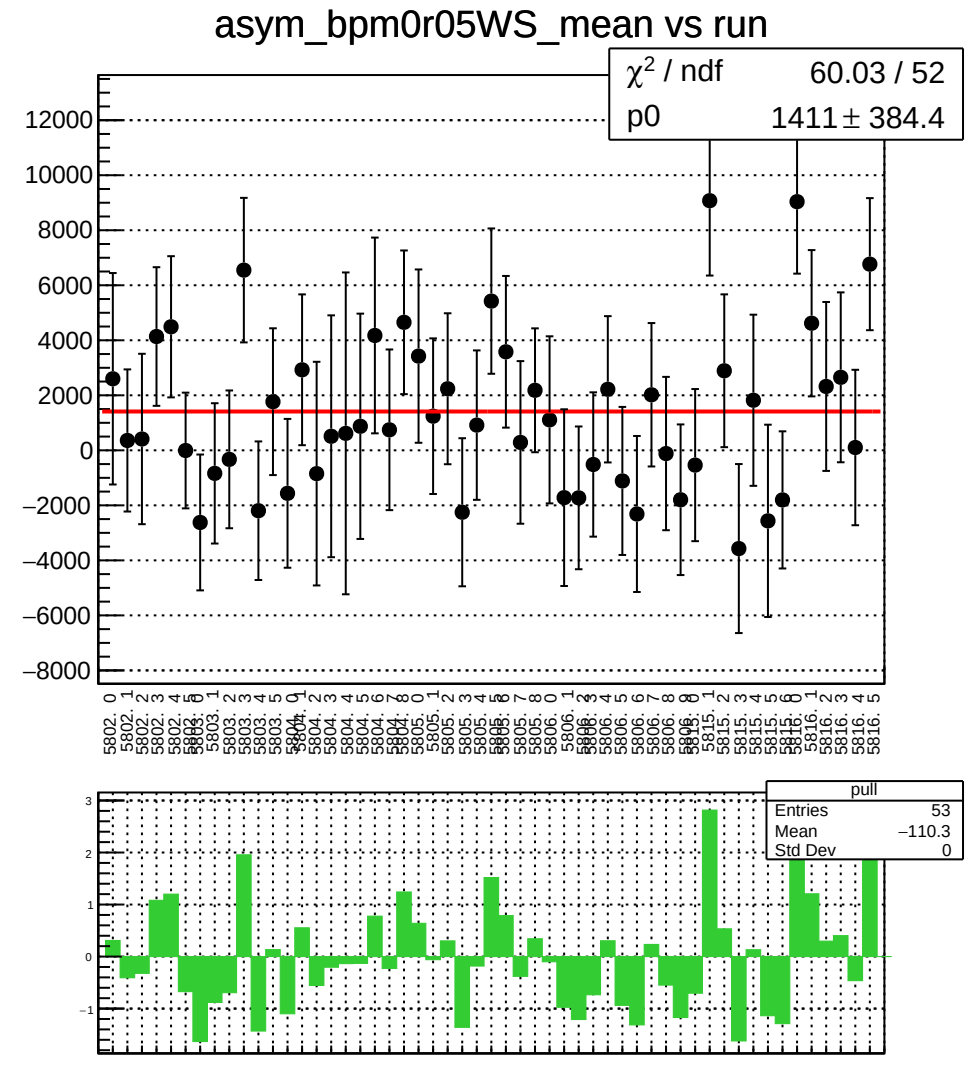

pull1D
Entries 53
Mean −0.05216
Std Dev 1.228

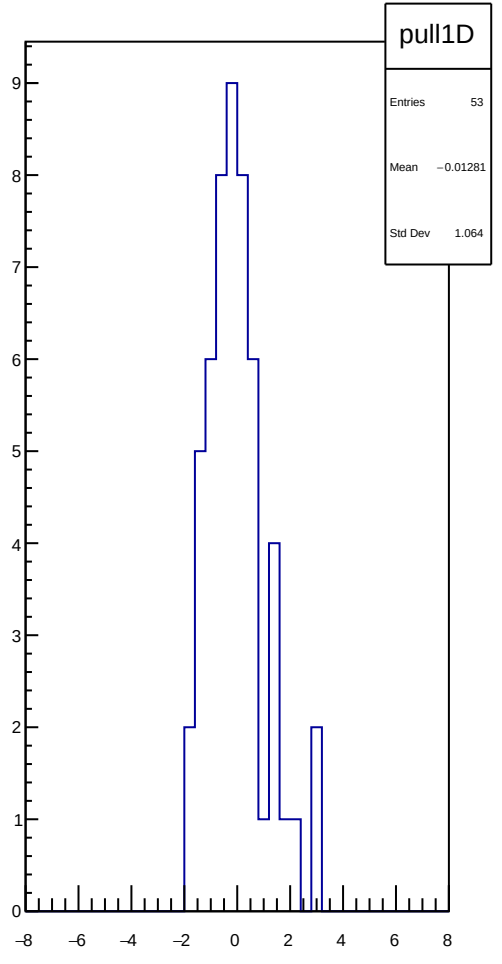

asym_bpm0l10WS_rms vs run
χ² / ndf 4.506e+04 / 52
p0 165.8 ± 0.1696
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

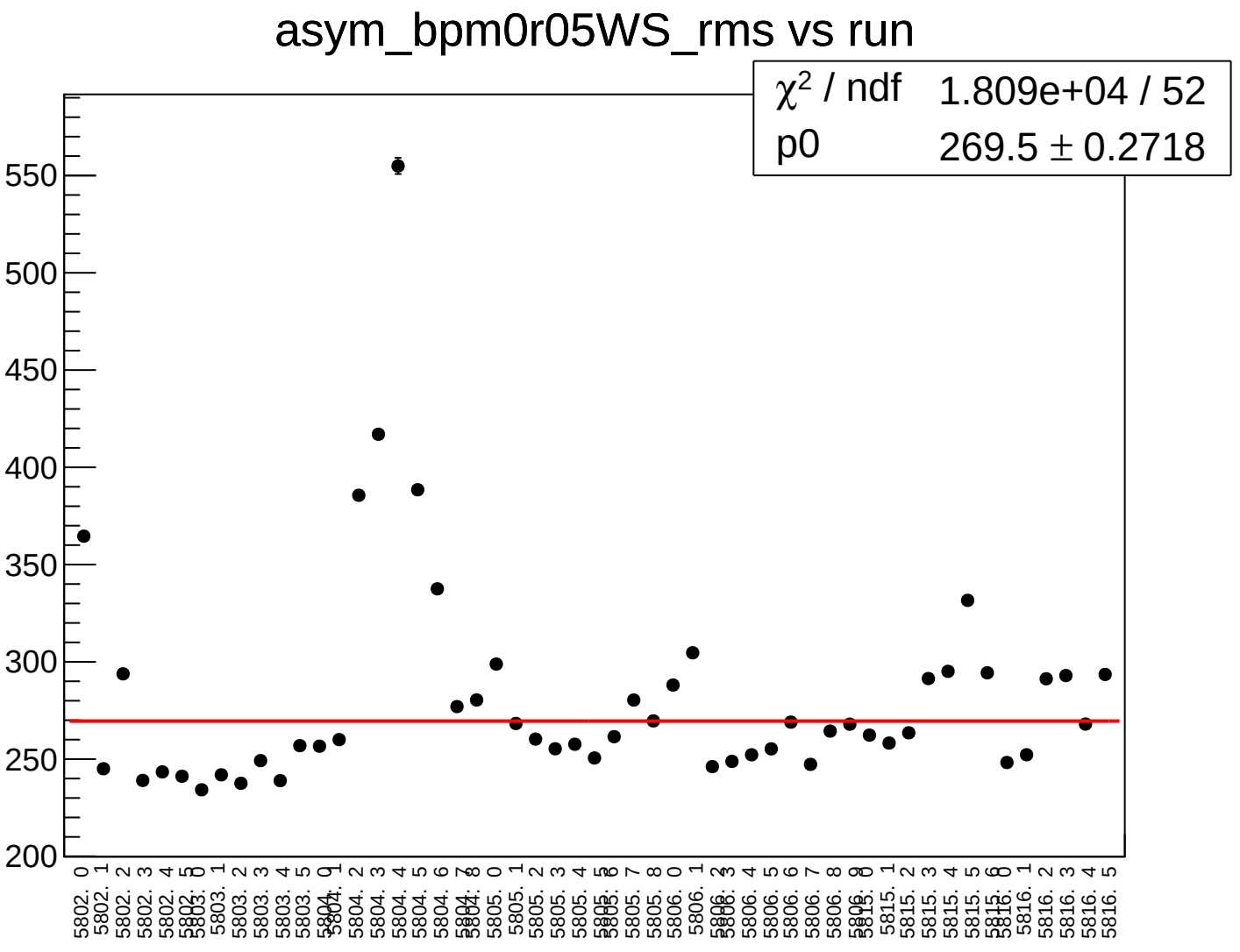

asym_bpm0r03WS_mean vs run
χ^2 / ndf 52.4 / 52
p0 681.2 ± 406.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 16.66
Std Dev 32.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean 0.04178
Std Dev 0.9935
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0r03WS_rms vs run
χ² / ndf 1.893e+04 / 52
p0 284.8 ± 0.2873
550
500
450
400
350
300
250
200


asym_bpm0r05WS_mean vs run
χ² / ndf 60.03 / 52
p0 1411 ± 384.4
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 53
Mean −110.3
Std Dev 0
3
2
1
0
−1


pull1D
Entries 53
Mean −0.01281
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0r05WS_rms vs run
χ² / ndf 1.809e+04 / 52
p0 269.5 ± 0.2718
550
500
450
400
350
300
250
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
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5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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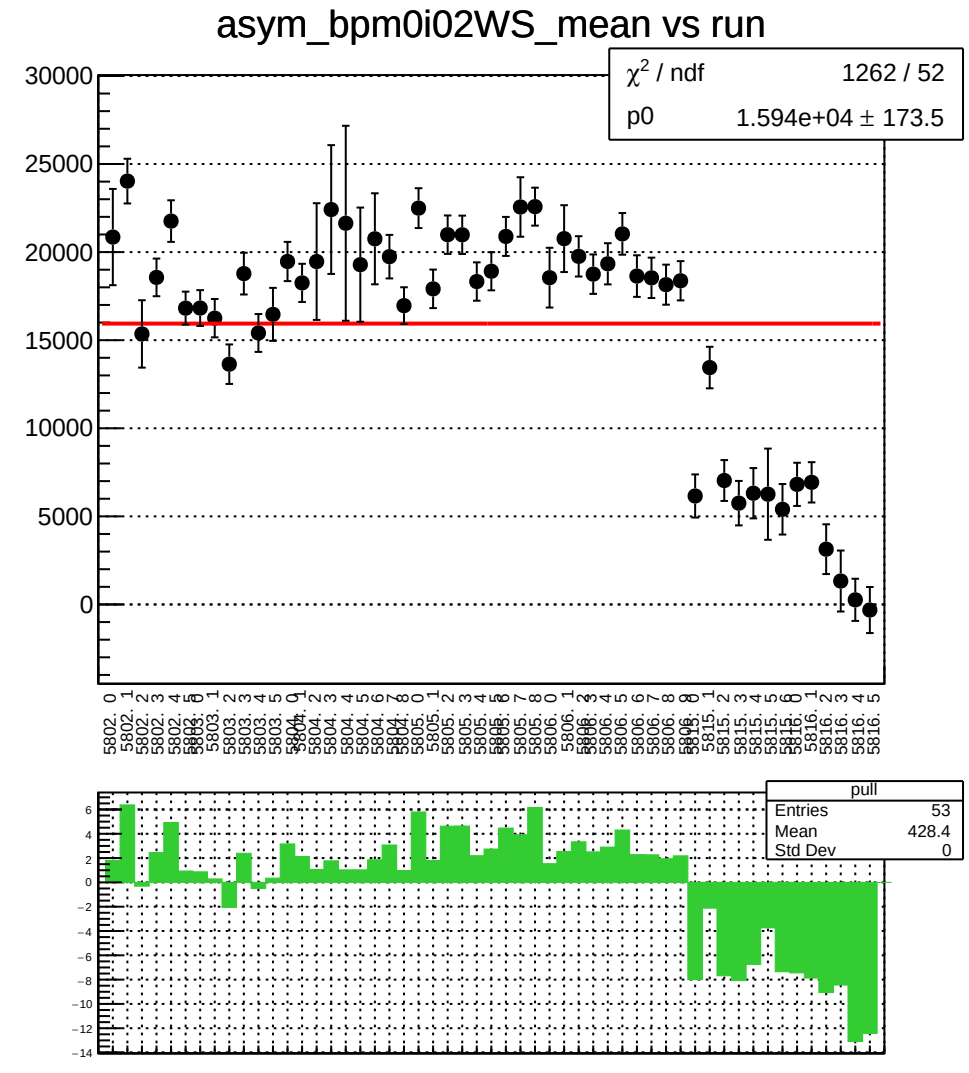
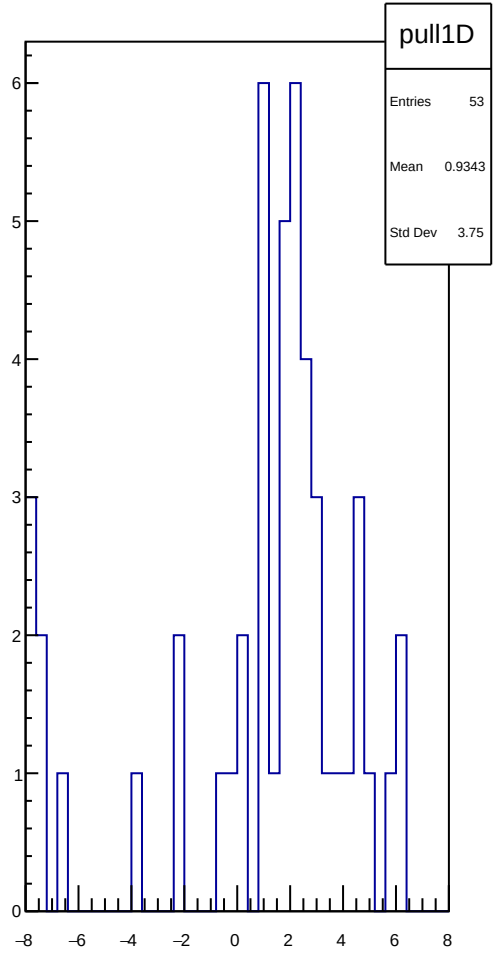
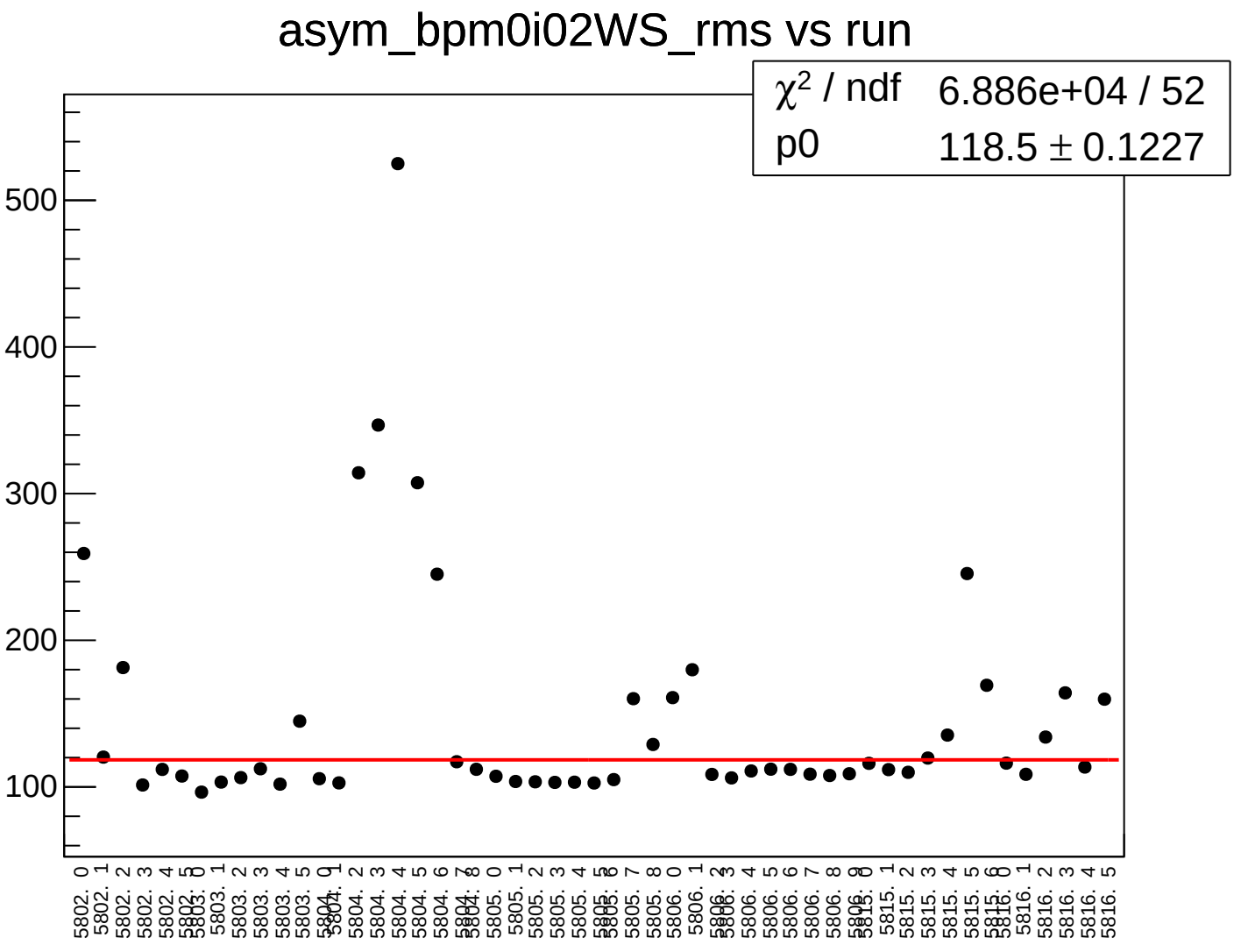
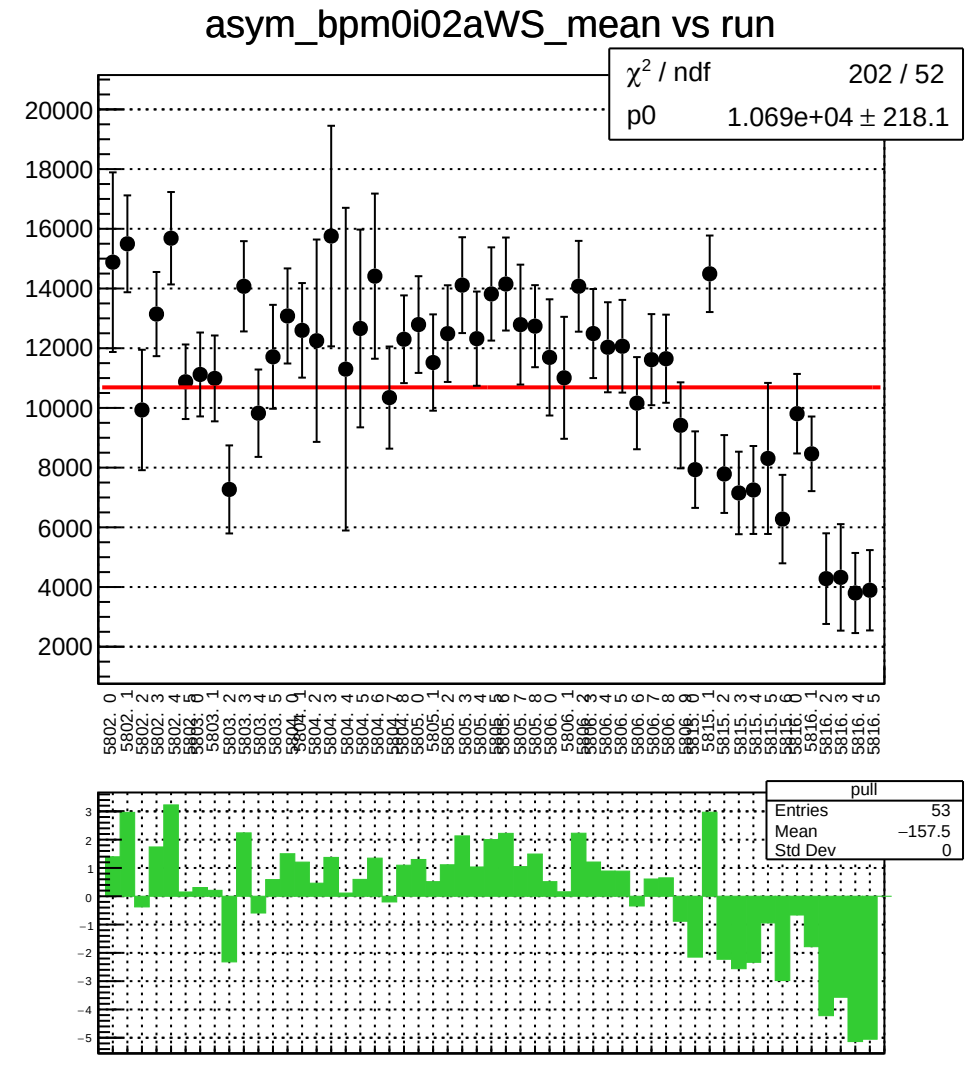
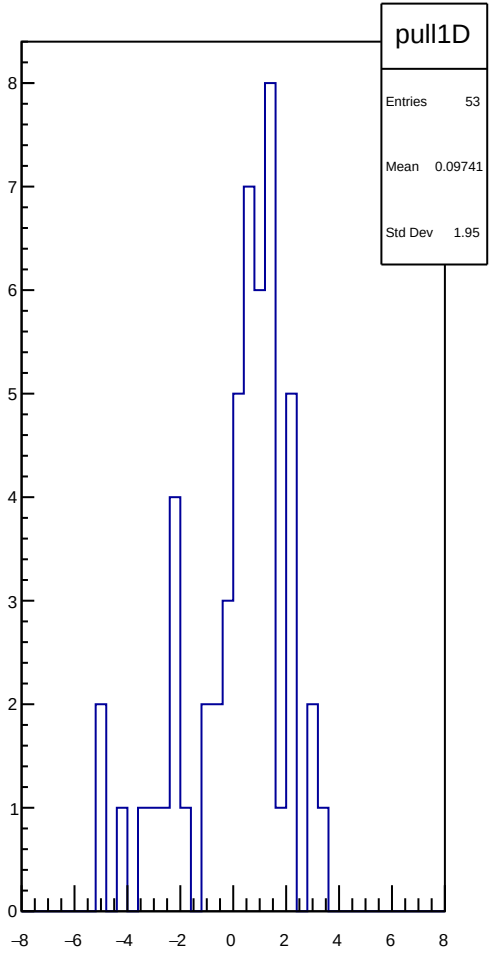
5816. 4
5816. 5

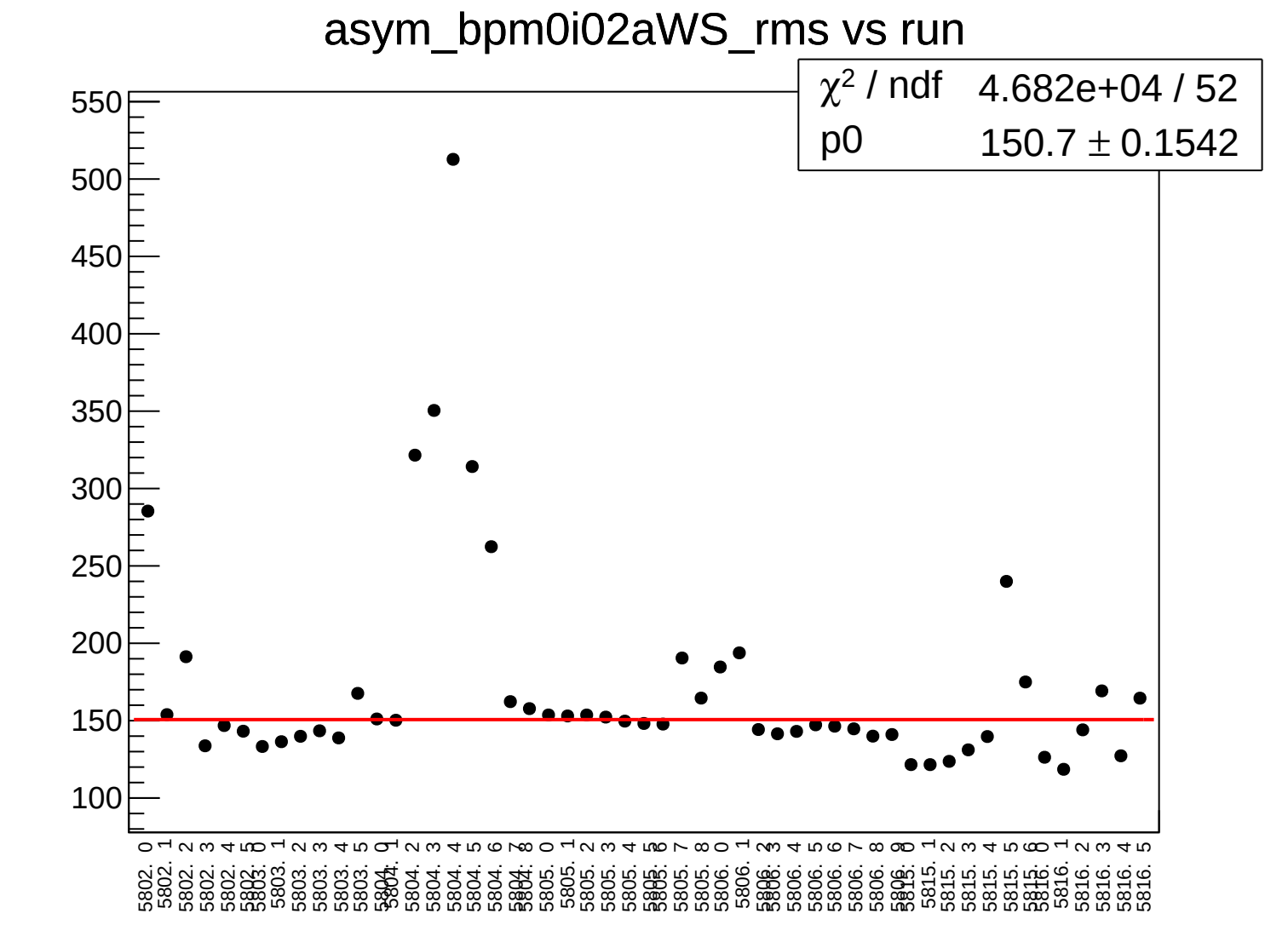

asym_bpm0i02WS_mean vs run
χ² / ndf 1262 / 52
p0 1.594e+04 ± 173.5
pull
Entries 53
Mean 428.4
Std Dev 0

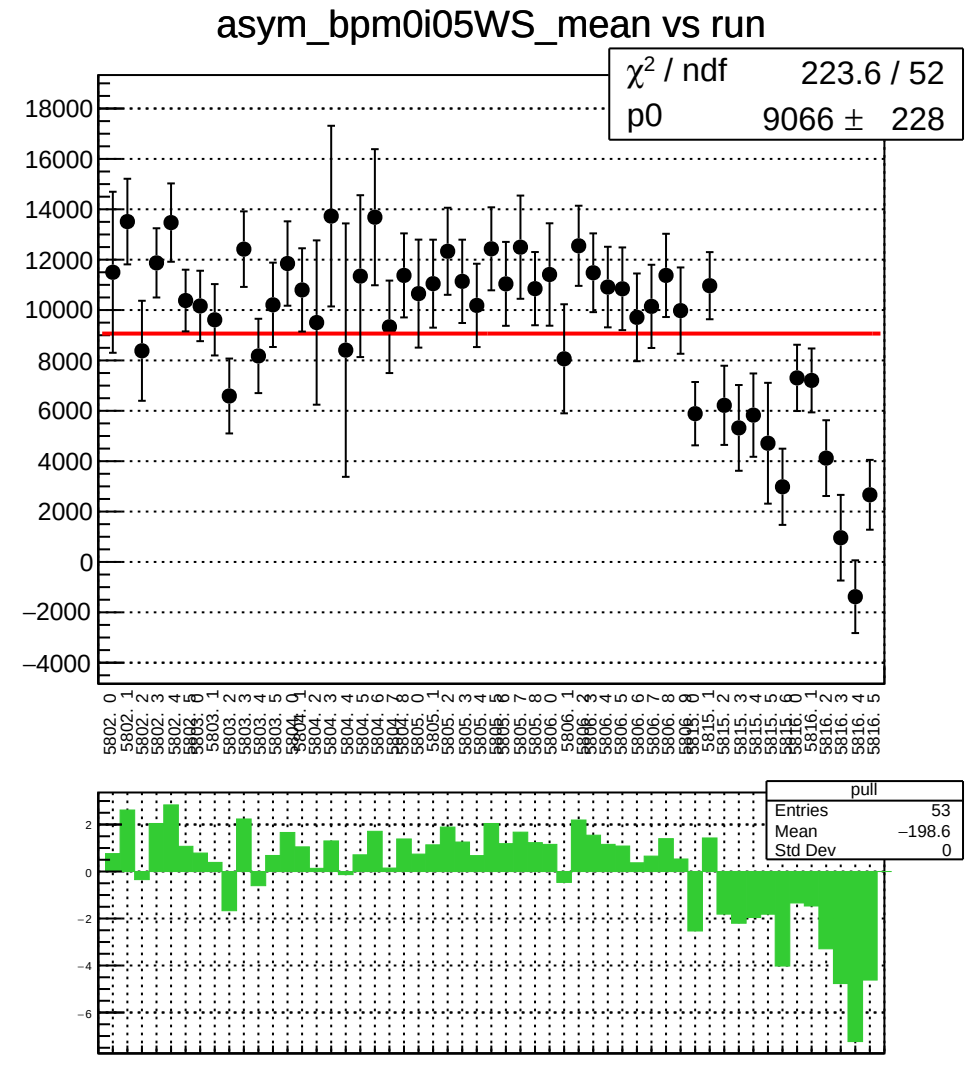

pull1D
Entries 53
Mean 0.9343
Std Dev 3.75

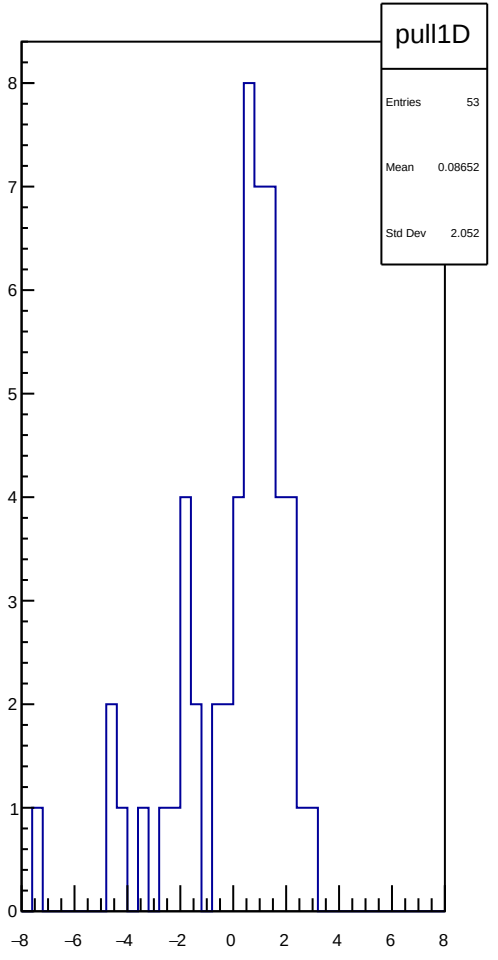

asym_bpm0i02WS_rms vs run
χ² / ndf 6.886e+04 / 52
p0 118.5 ± 0.1227
500
400
300
200
100

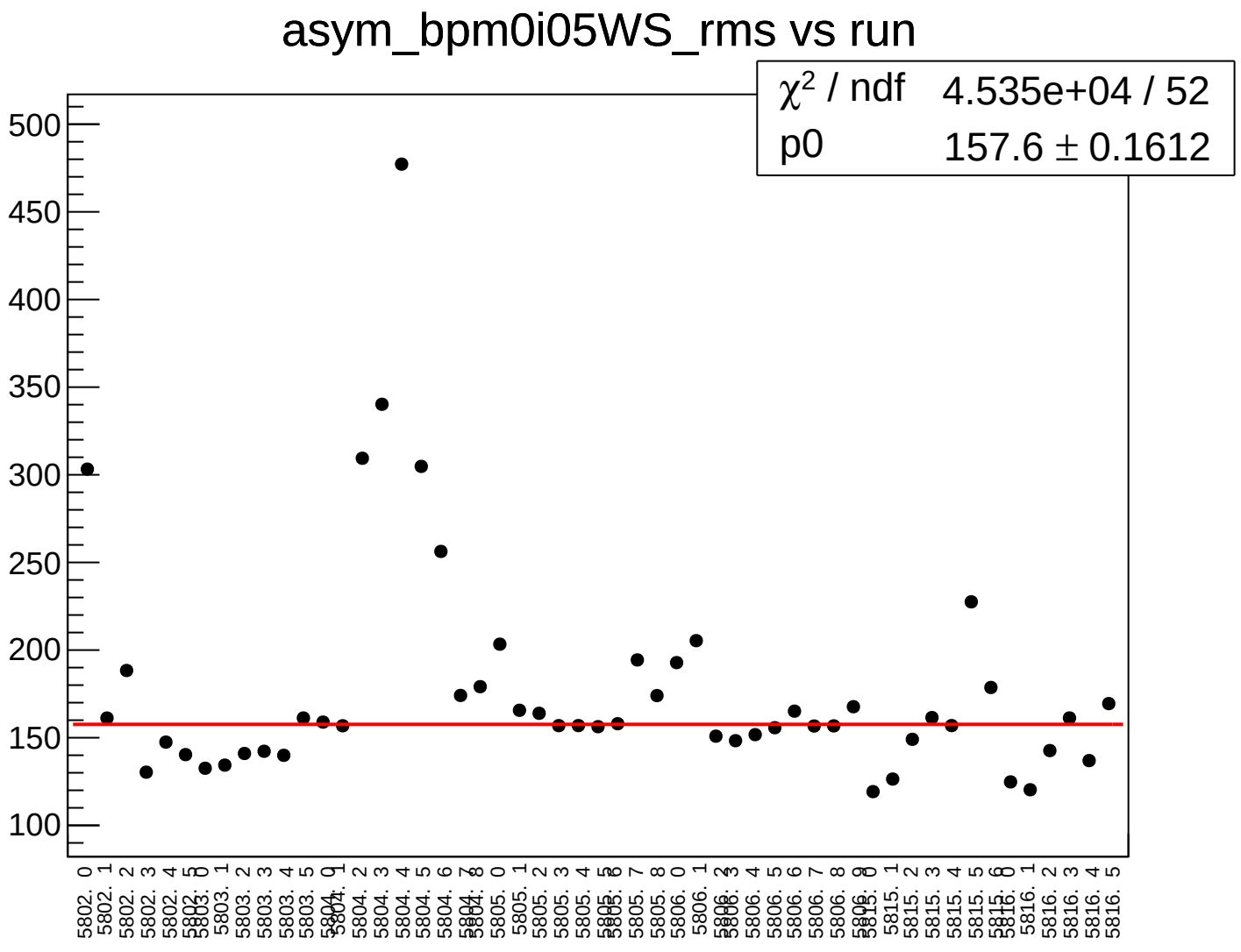

asym_bpm0i02aWS_mean vs run
χ² / ndf 202 / 52
p0 1.069e+04 ± 218.1
pull
Entries 53
Mean −157.5
Std Dev 0

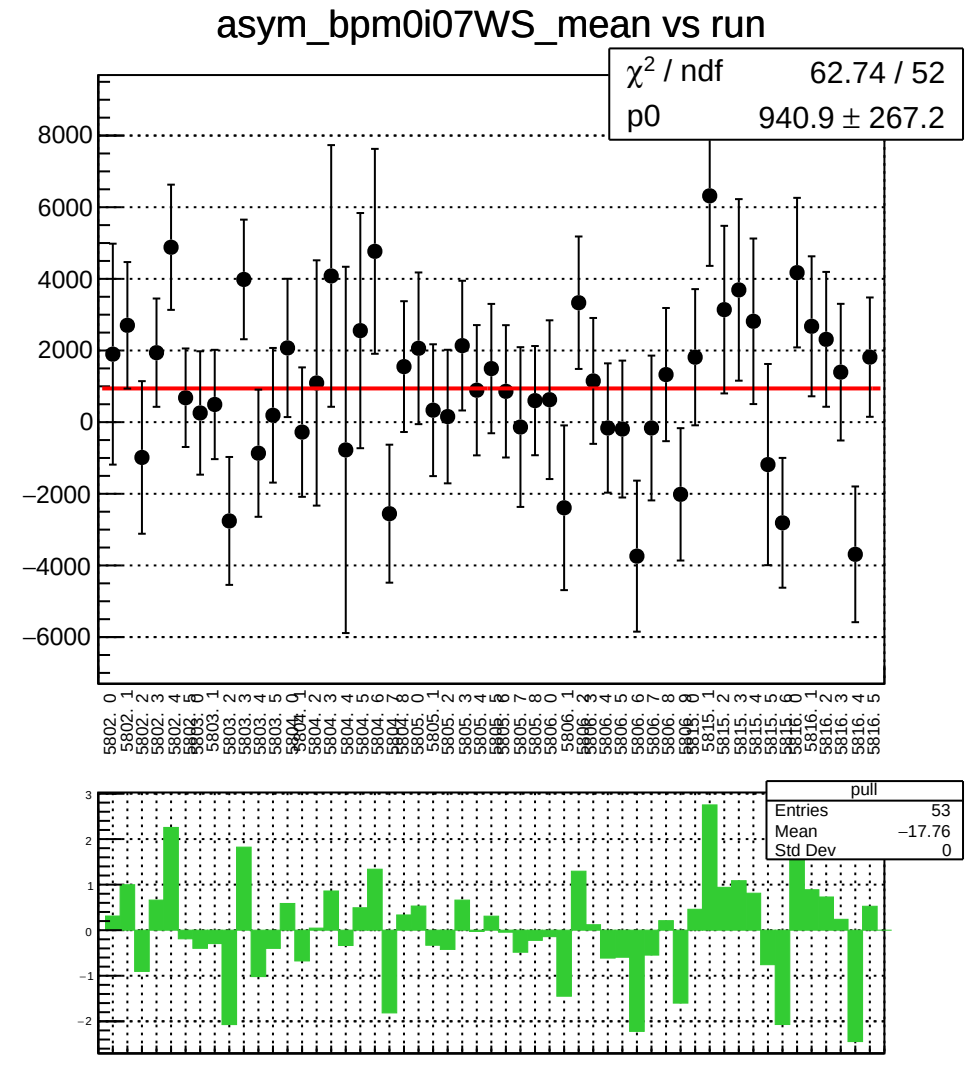

pull1D
Entries 53
Mean 0.09741
Std Dev 1.95

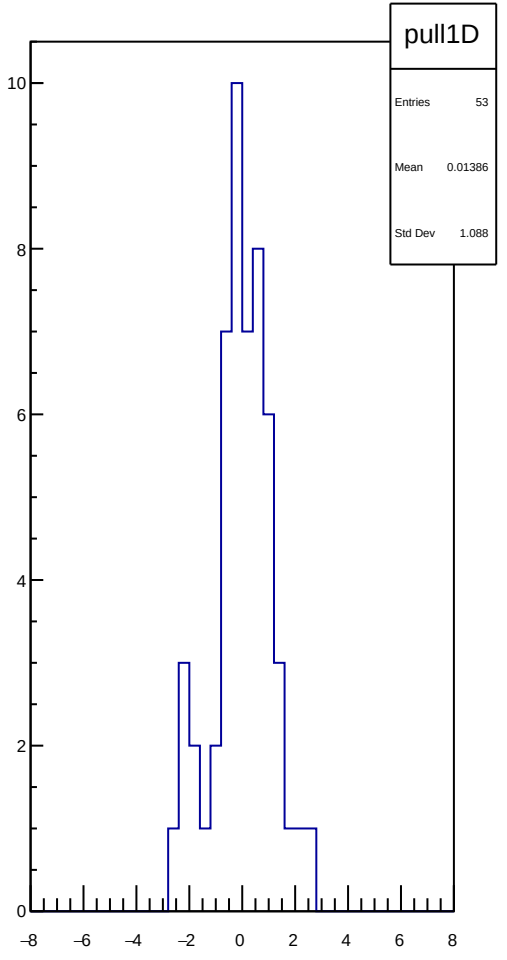

asym_bpm0i02aWS_rms vs run
χ² / ndf 4.682e+04 / 52
p0 150.7 ± 0.1542
550
500
450
400
350
300
250
200
150
100

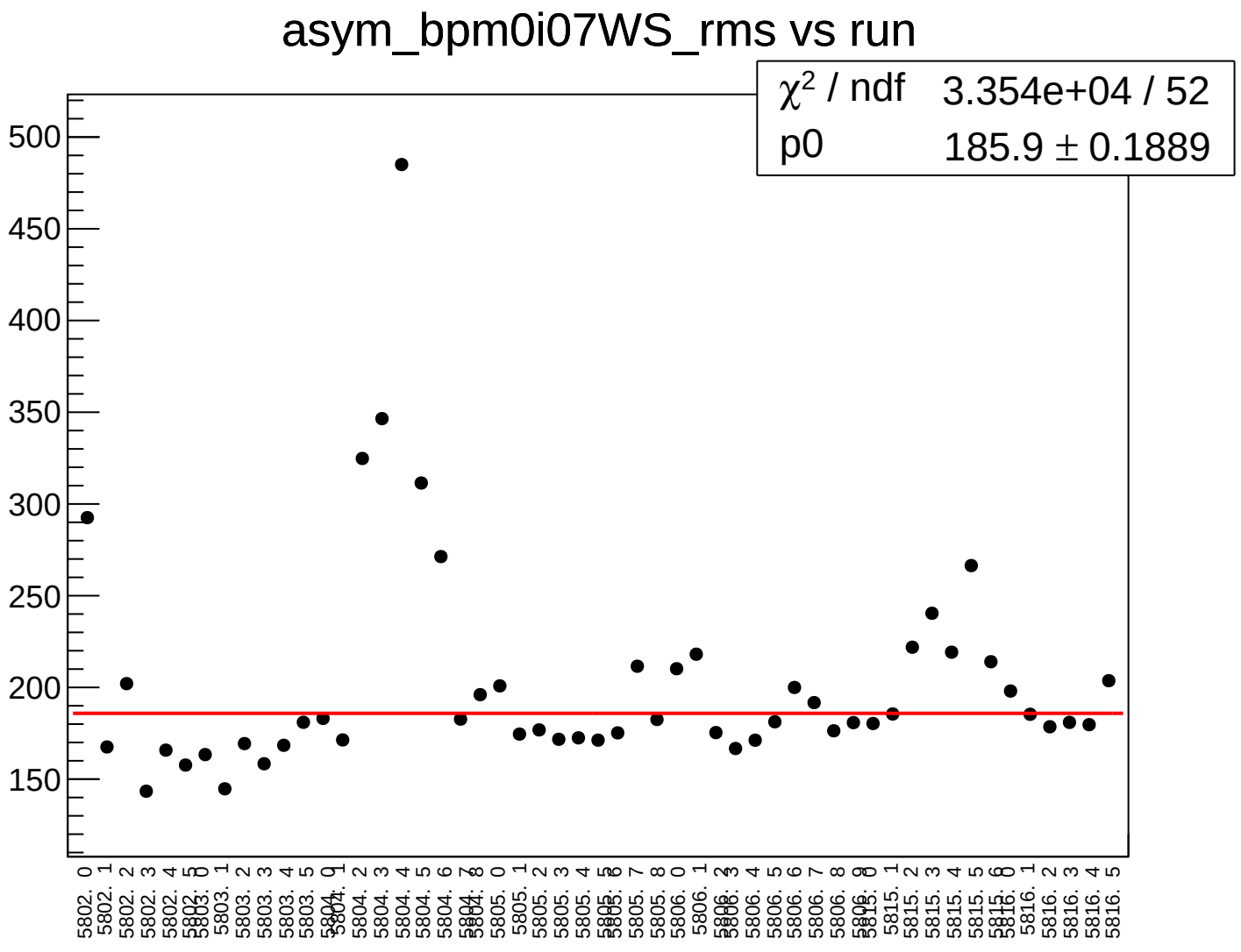

asym_bpm0i05WS_mean vs run
χ² / ndf 223.6 / 52
p0 9066 ± 228
pull
Entries 53
Mean −198.6
Std Dev 0

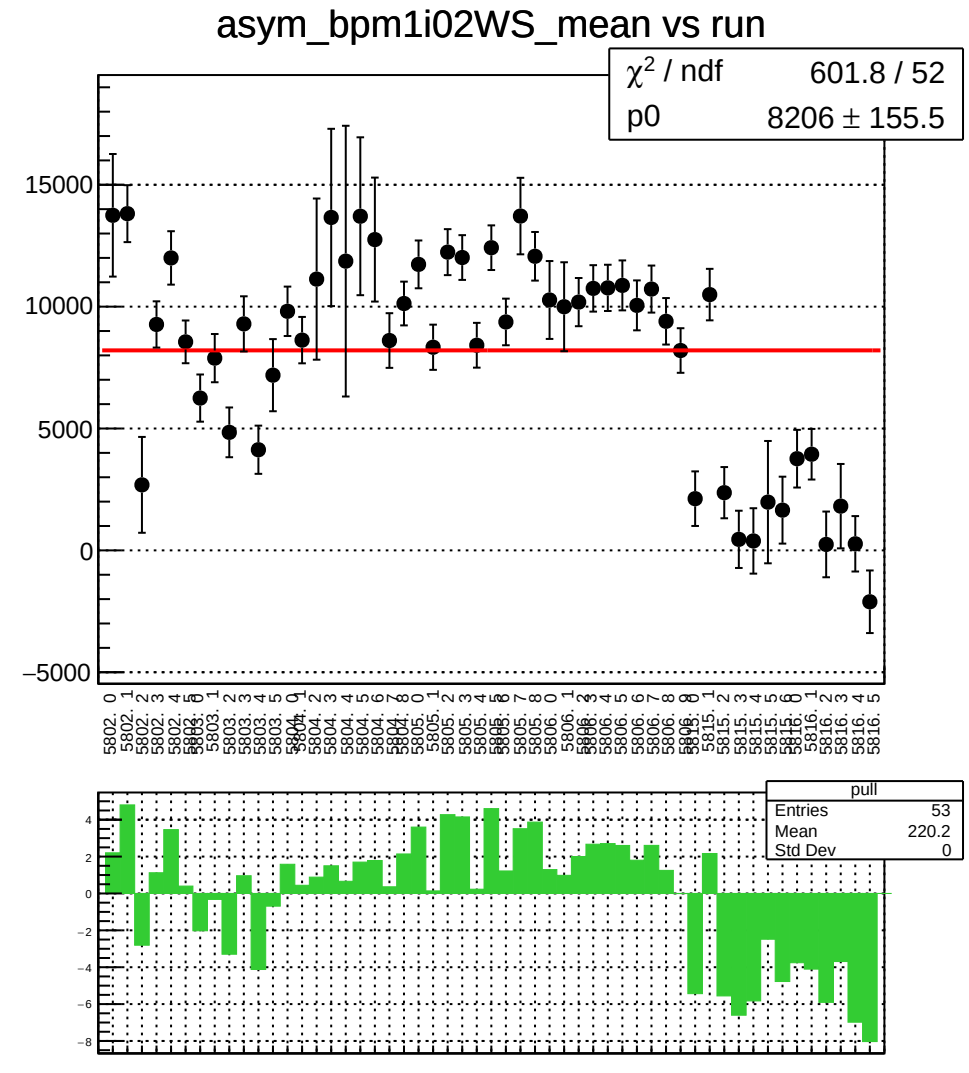

pull1D
Entries 53
Mean 0.08652
Std Dev 2.052

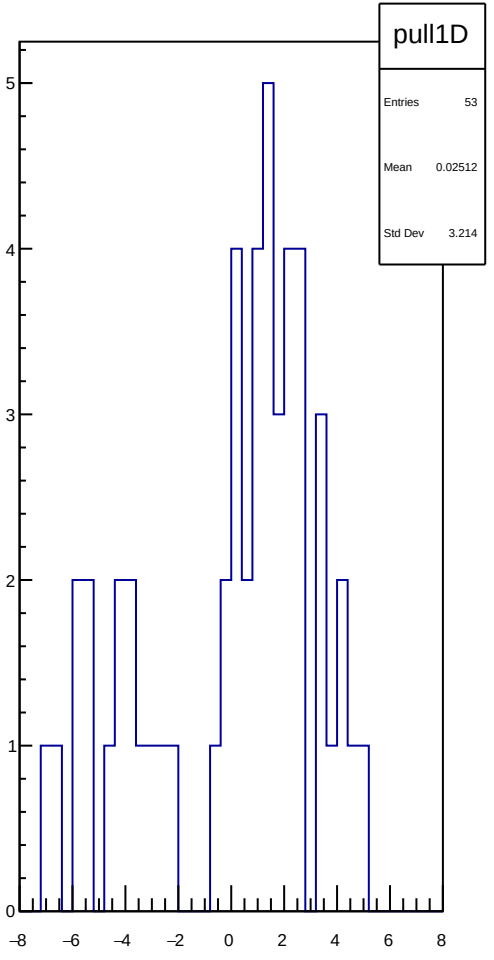

asym_bpm0i05WS_rms vs run
χ² / ndf 4.535e+04 / 52
p0 157.6 ± 0.1612
500
450
400
350
300
250
200
150
100

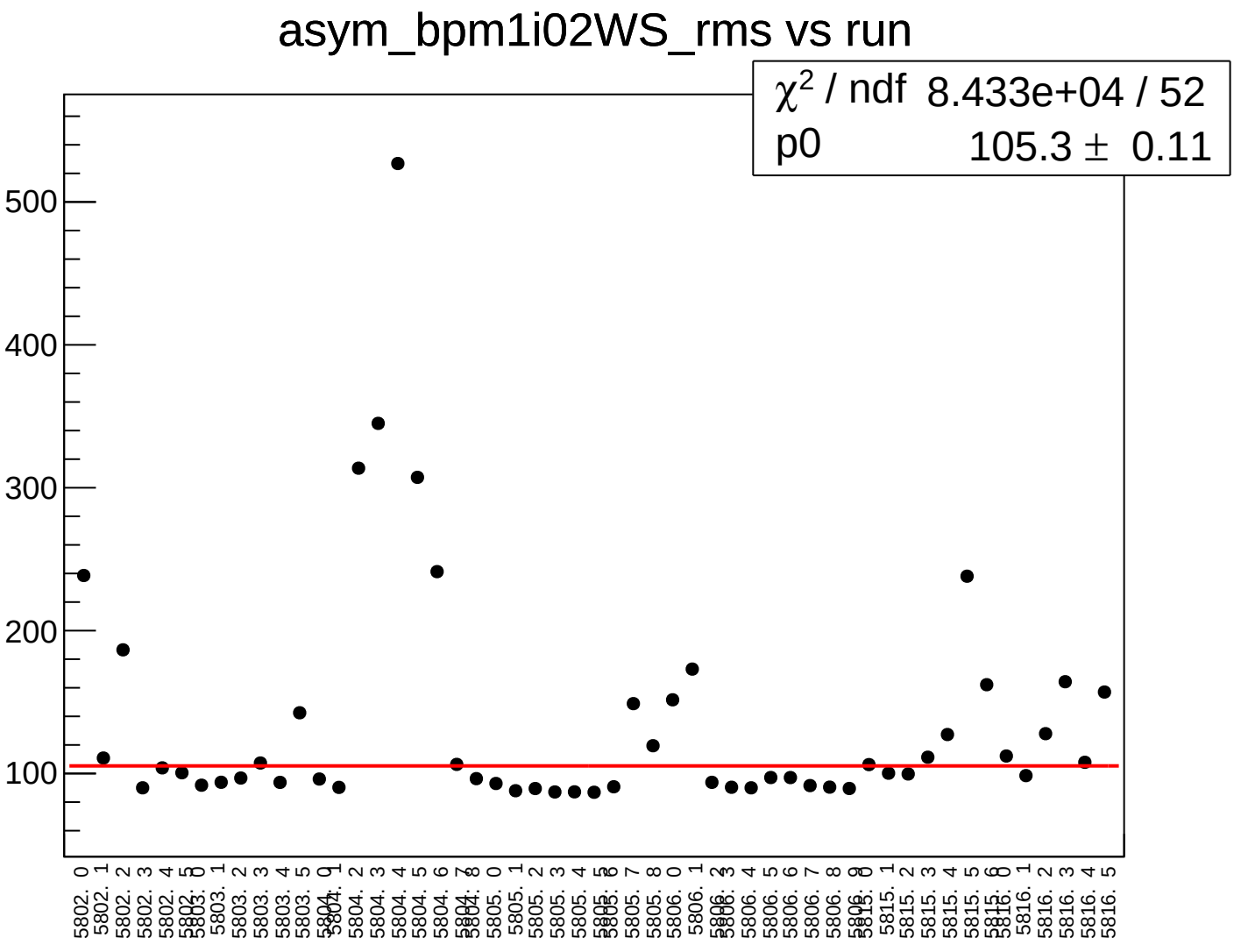

asym_bpm0i07WS_mean vs run
χ² / ndf 62.74 / 52
p0 940.9 ± 267.2
pull
Entries 53
Mean −17.76
Std Dev 0

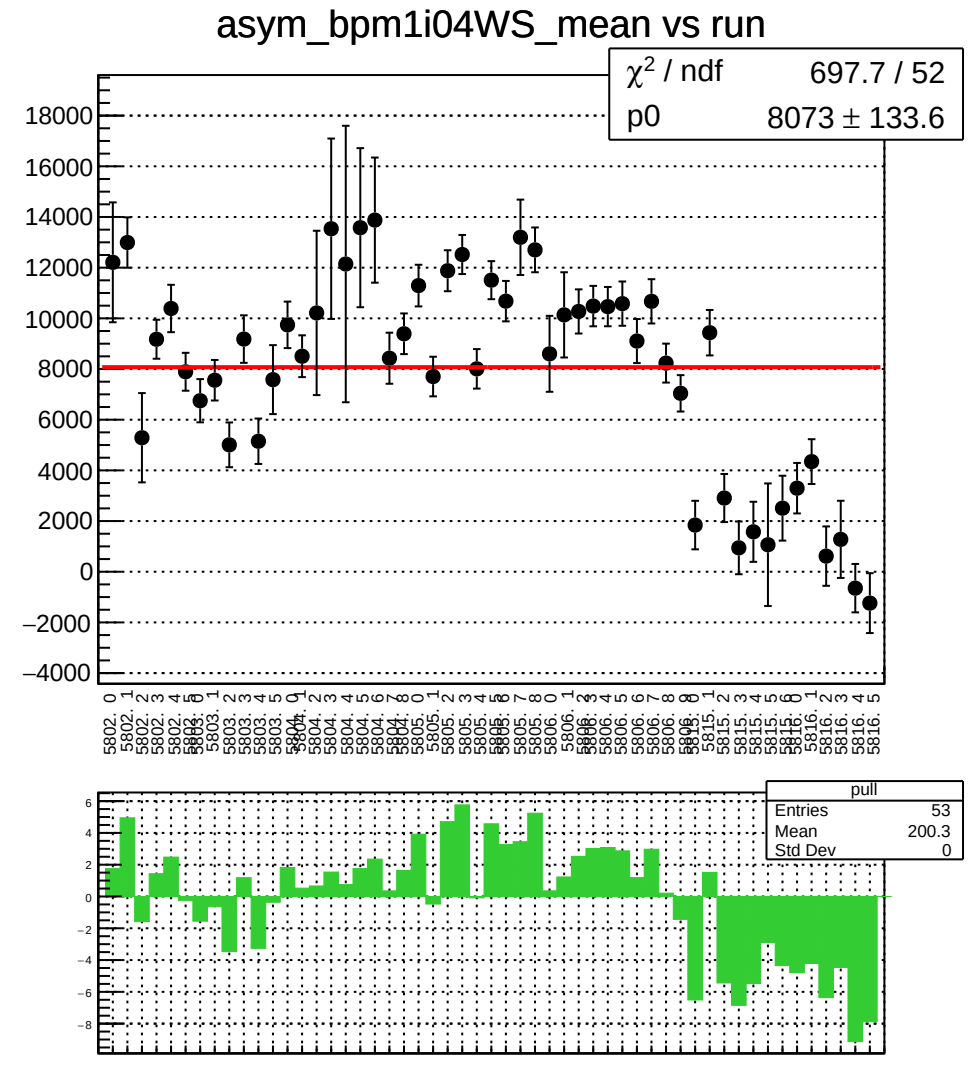

pull1D
Entries 53
Mean 0.01386
Std Dev 1.088

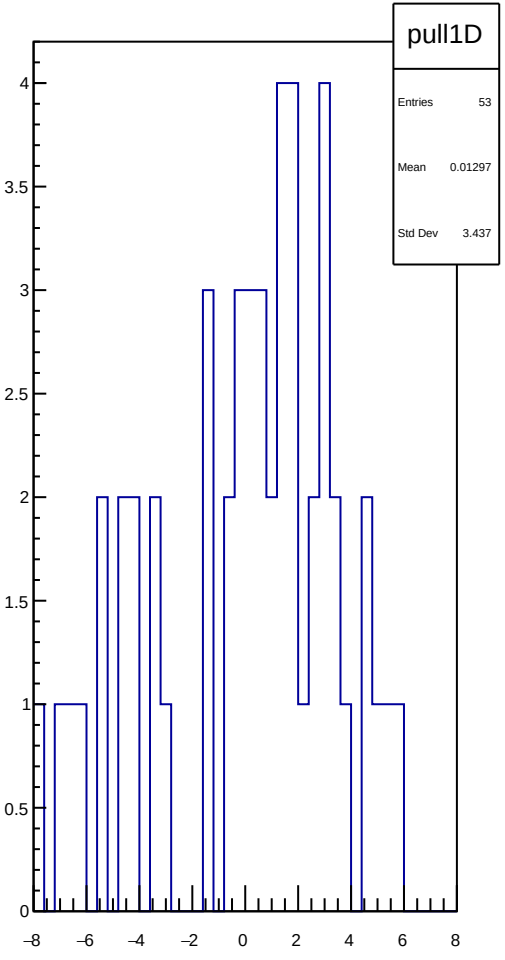

asym_bpm0i07WS_rms vs run
χ² / ndf 3.354e+04 / 52
p0 185.9 ± 0.1889
500
450
400
350
300
250
200
150

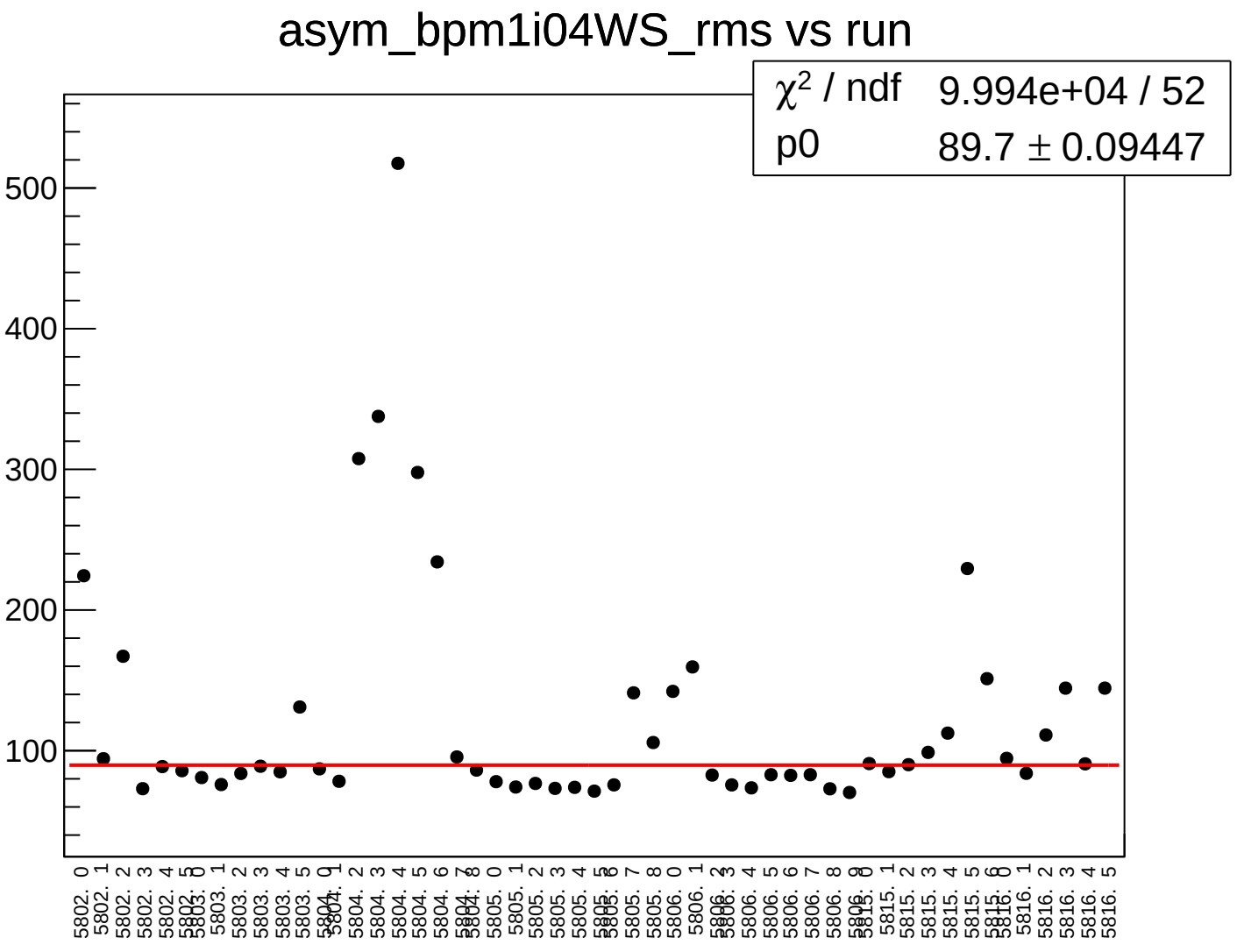

asym_bpm1i02WS_mean vs run
χ² / ndf 601.8 / 52
p0 8206 ± 155.5
15000
10000
5000
0
−5000
pull
Entries 53
Mean 220.2
Std Dev 0
4
2
0
−2
−4
−6
−8

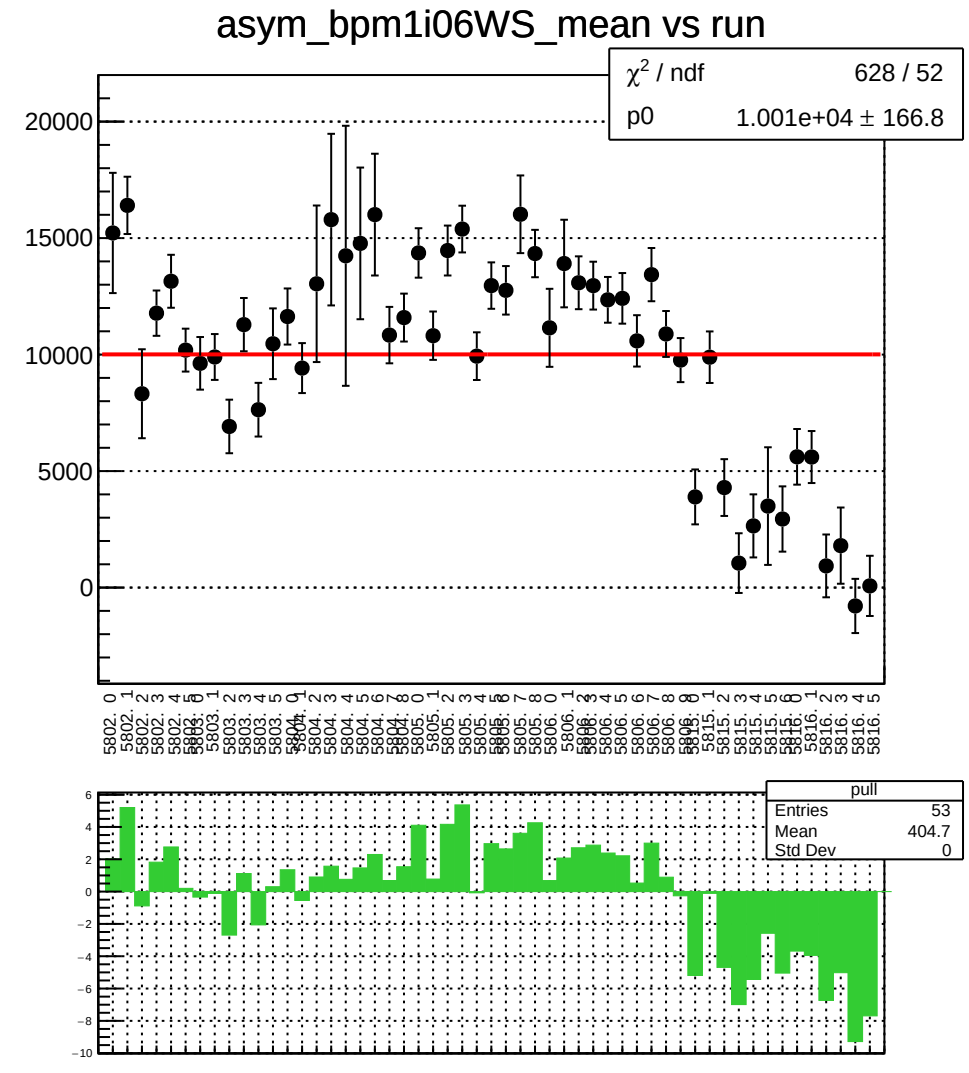

pull1D
Entries 53
Mean 0.02512
Std Dev 3.214
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

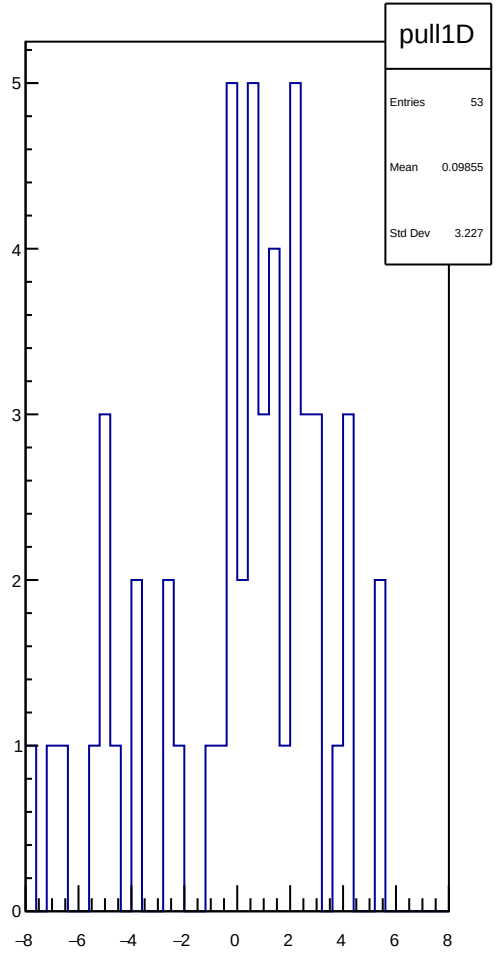

asym_bpm1i02WS_rms vs run
χ² / ndf 8.433e+04 / 52
p0 105.3 ± 0.11
500
400
300
200
100

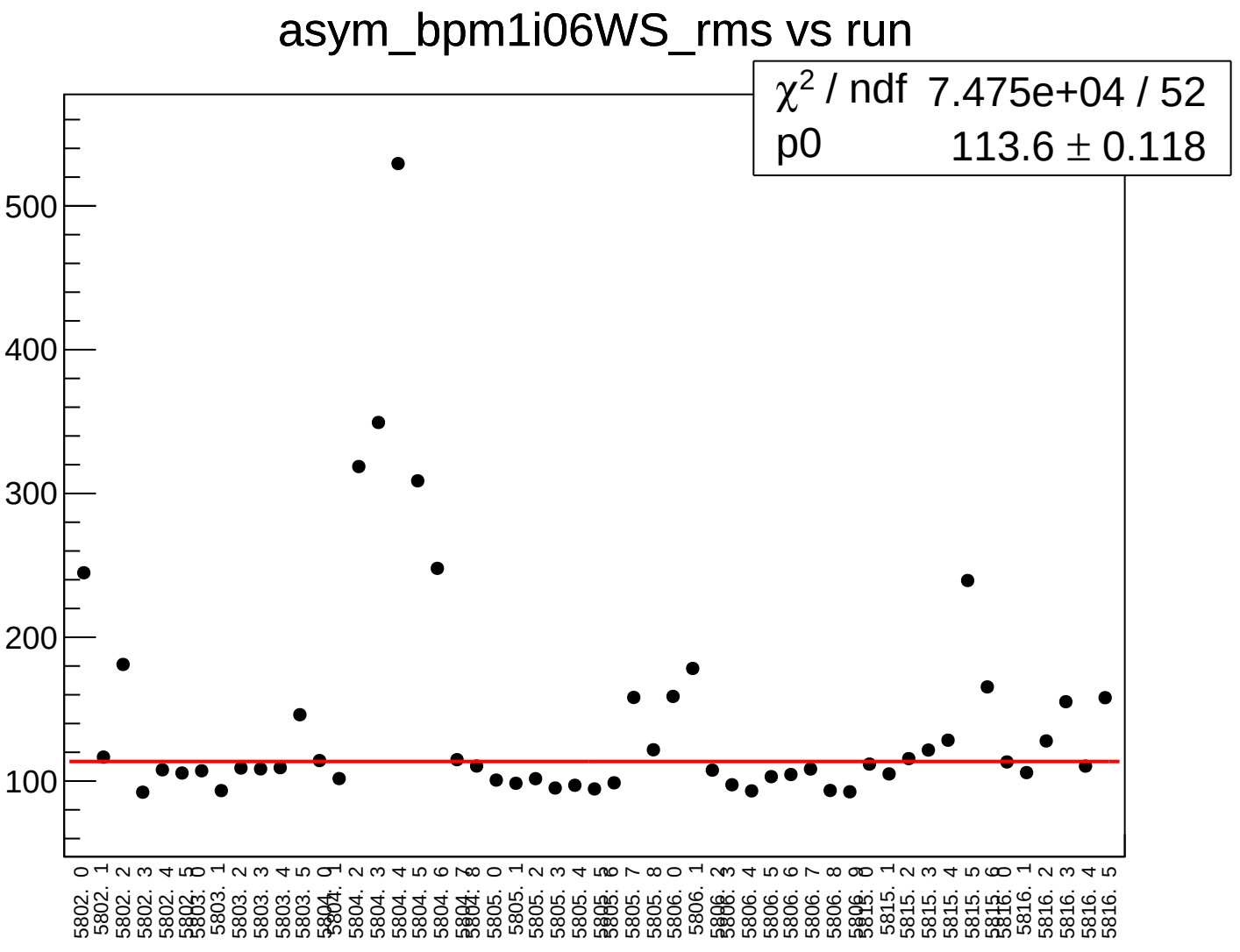

asym_bpm1i04WS_mean vs run
χ² / ndf 697.7 / 52
p0 8073 ± 133.6
pull
Entries 53
Mean 200.3
Std Dev 0

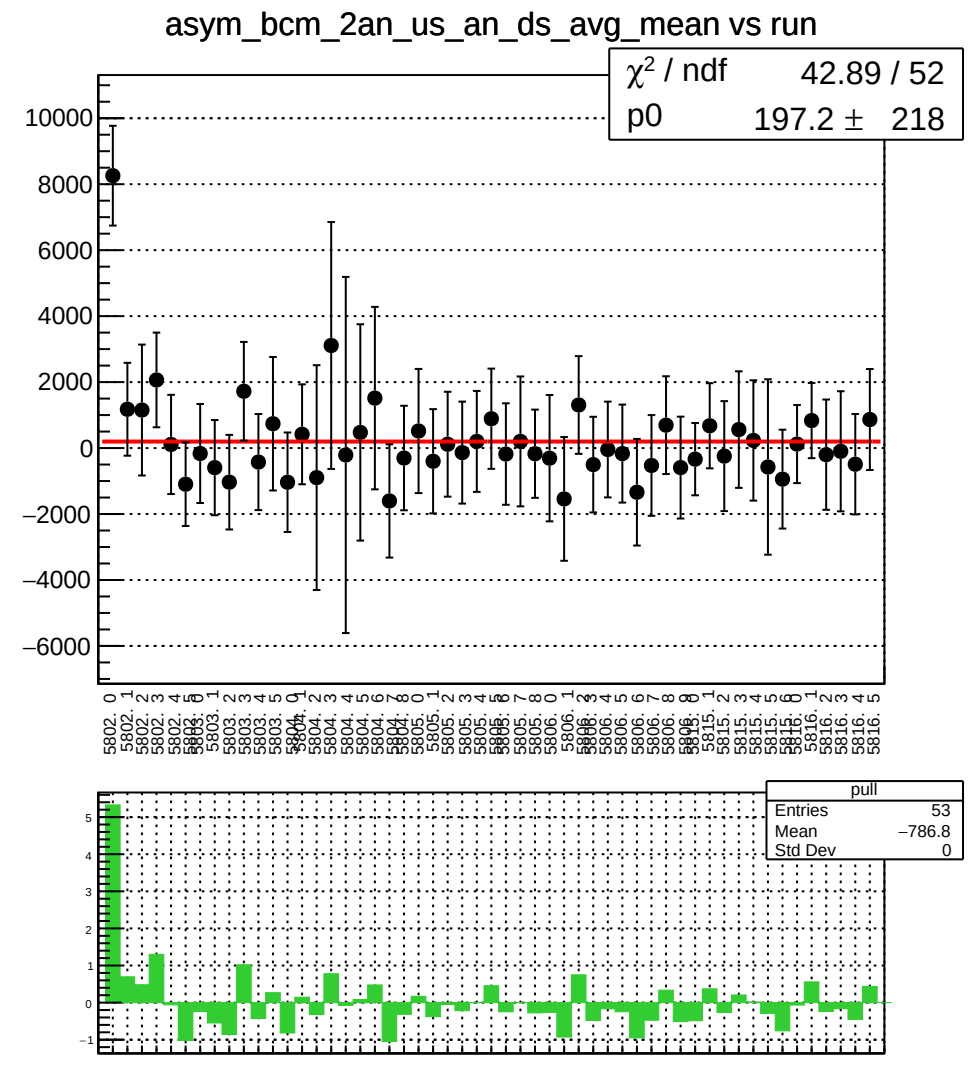

pull1D
Entries 53
Mean 0.01297
Std Dev 3.437

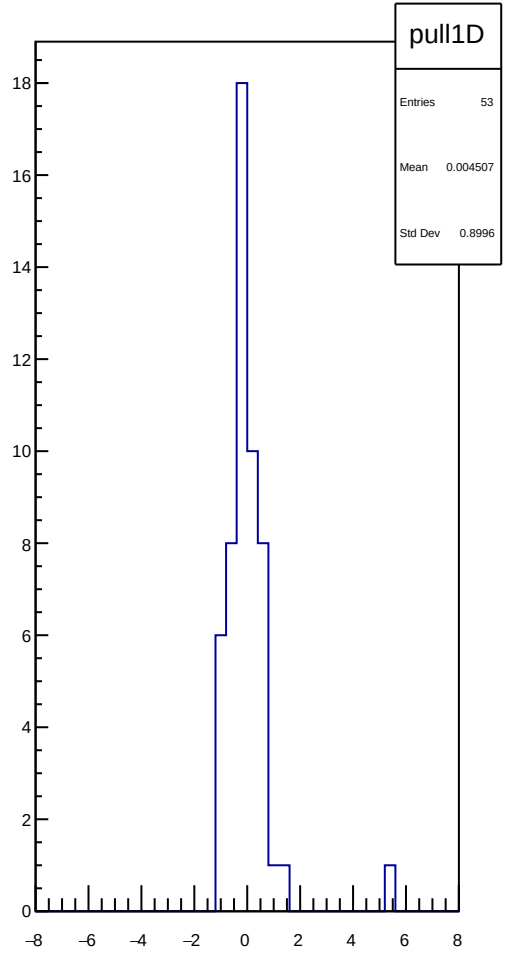

asym_bpm1i04WS_rms vs run
χ² / ndf 9.994e+04 / 52
p0 89.7 ± 0.09447
500
400
300
200
100

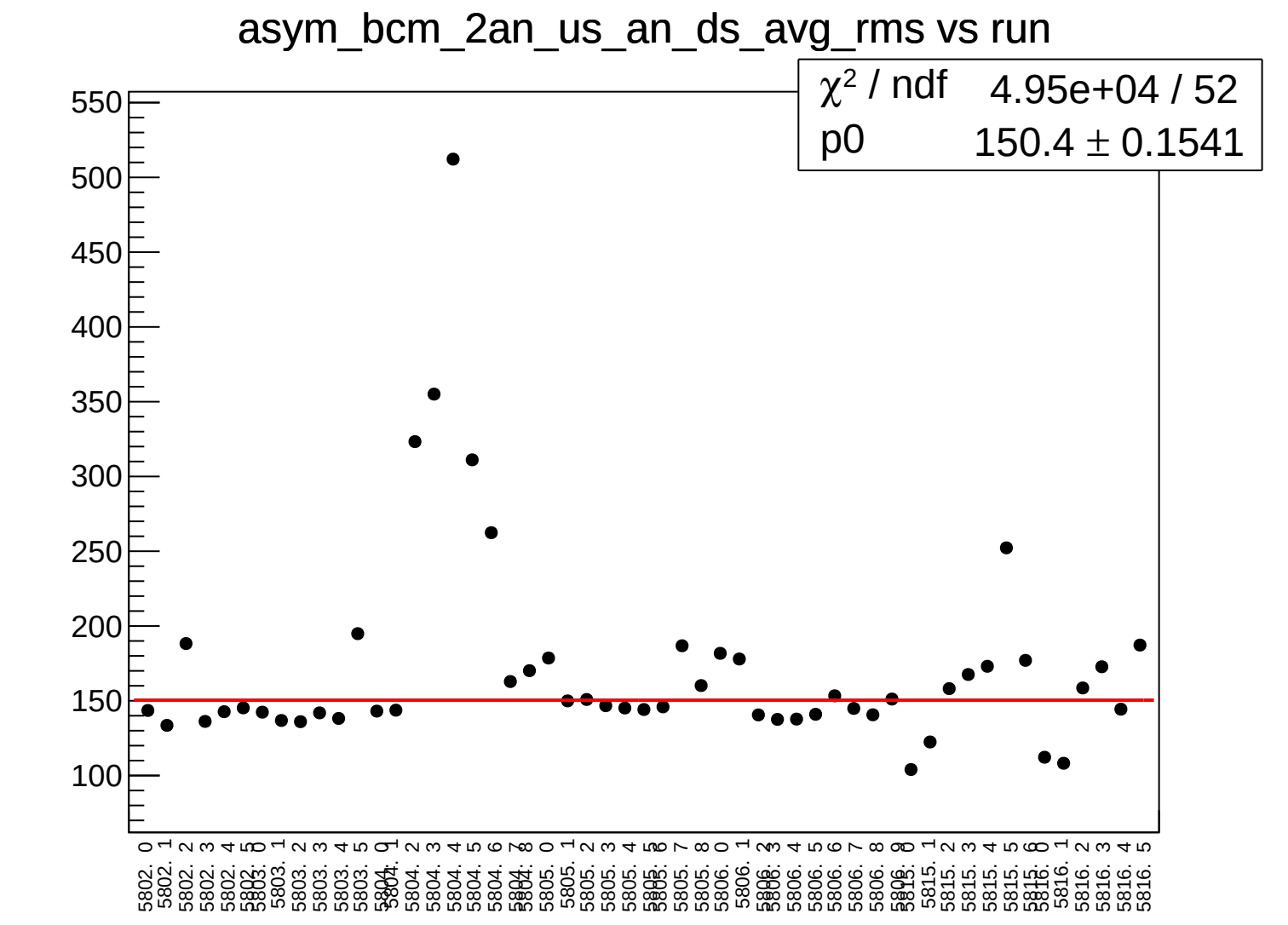

asym_bpm1i06WS_mean vs run
χ² / ndf 628 / 52
p0 1.001e+04 ± 166.8
20000
15000
10000
5000
0
pull
Entries 53
Mean 404.7
Std Dev 0
6
4
2
0
−2
−4
−6
−8
−10

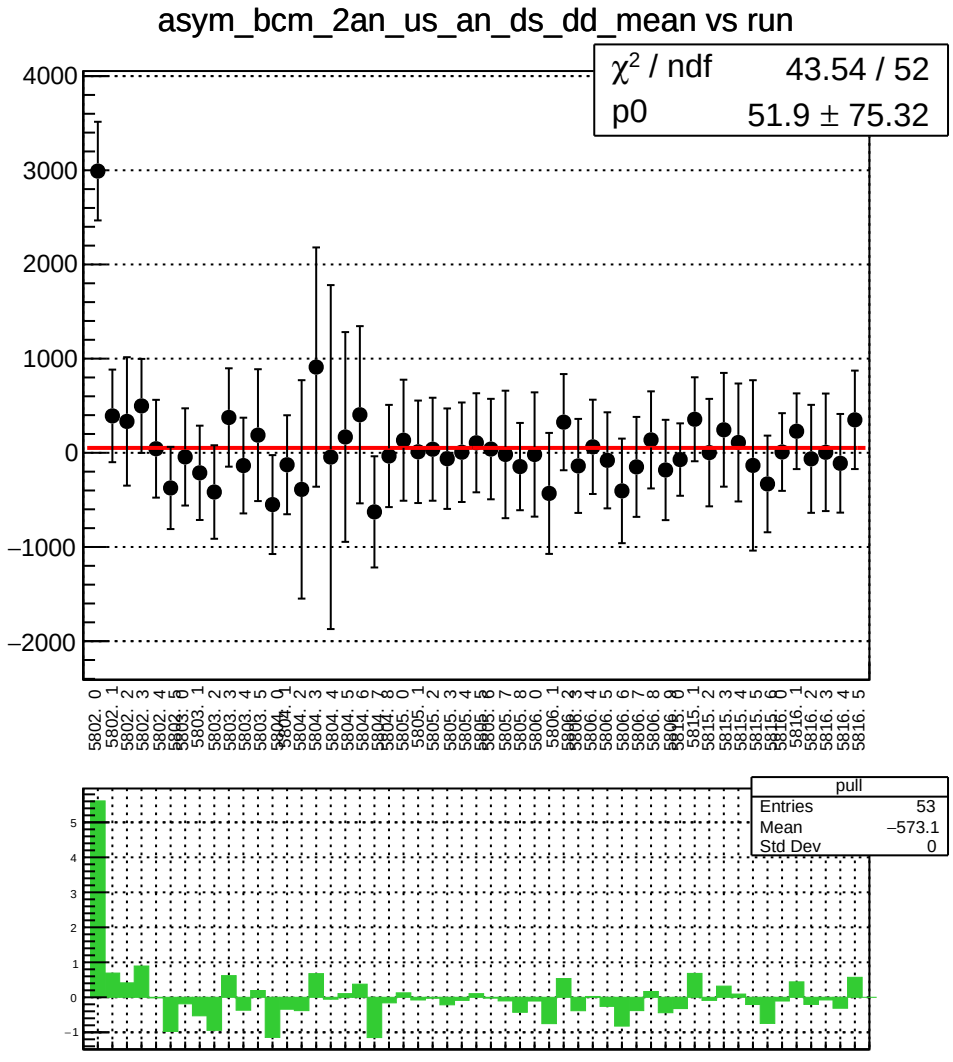

pull1D
Entries 53
Mean 0.09855
Std Dev 3.227
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

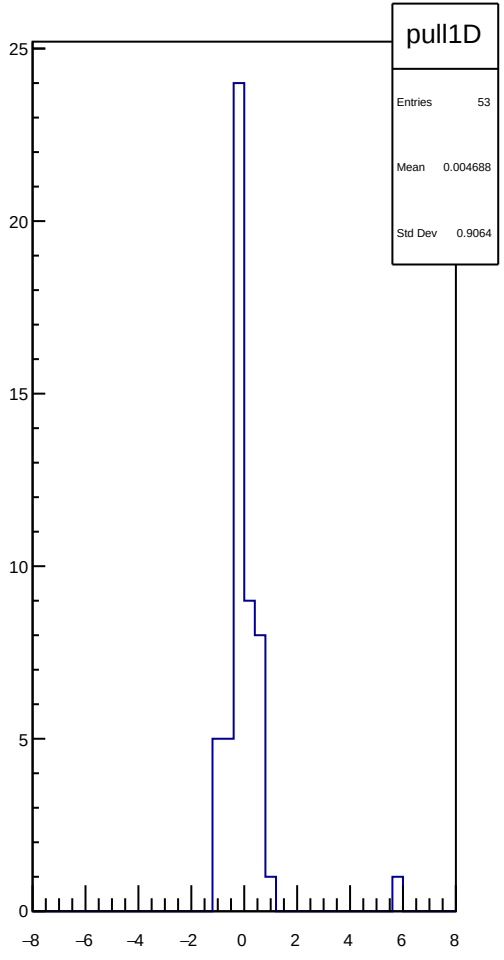

asym_bpm1i06WS_rms vs run
χ² / ndf 7.475e+04 / 52
p0 113.6 ± 0.118
500
400
300
200
100

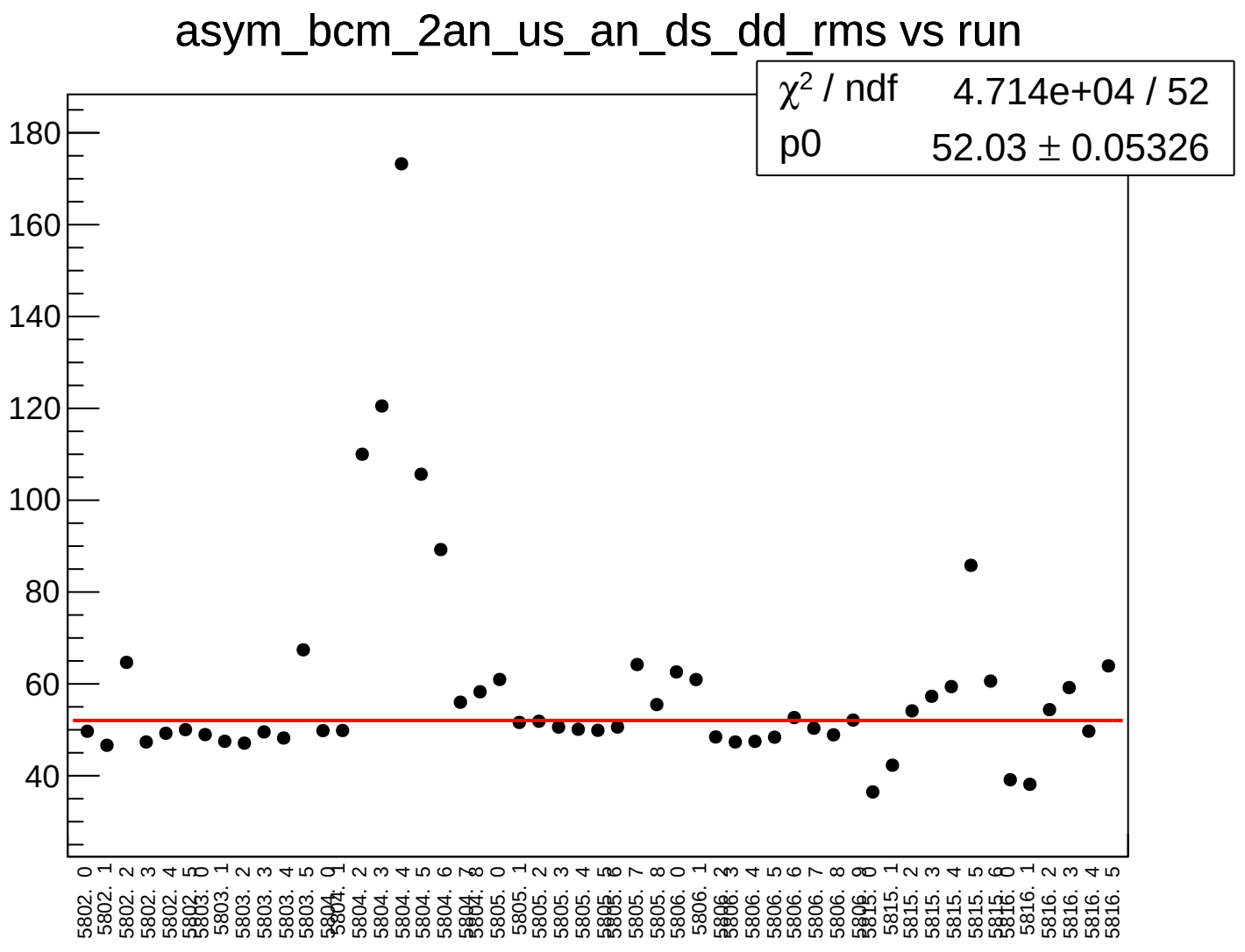

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 42.89 / 52
p0 197.2 ± 218
pull
Entries 53
Mean −786.8
Std Dev 0

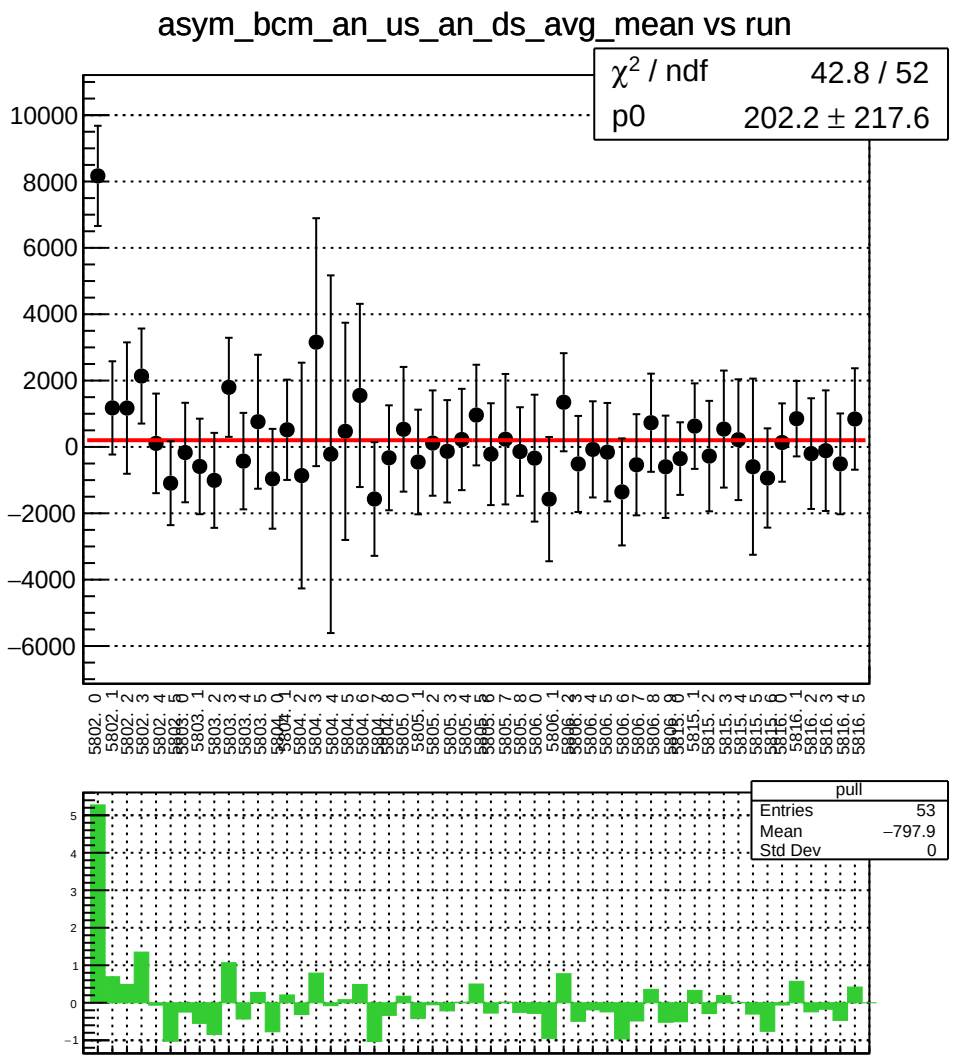

pull1D
Entries 53
Mean 0.004507
Std Dev 0.8996

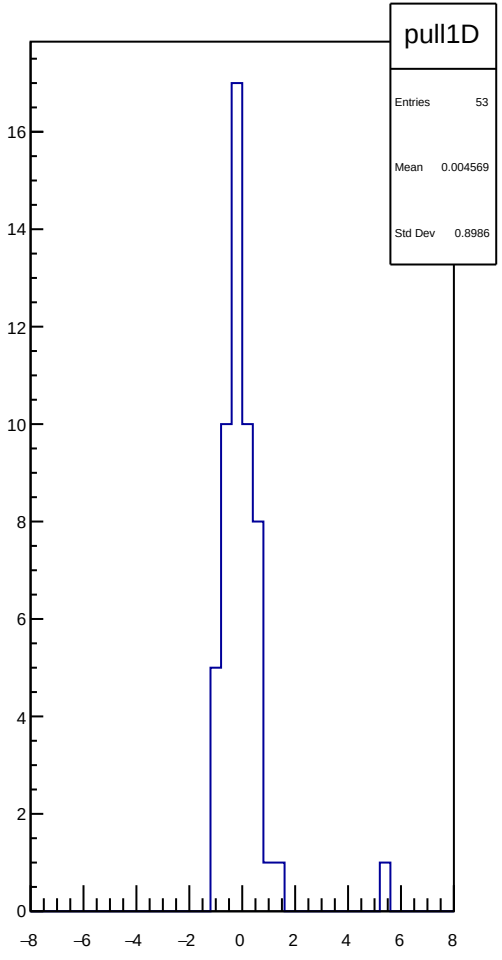

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 4.95e+04 / 52
p0 150.4 ± 0.1541
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

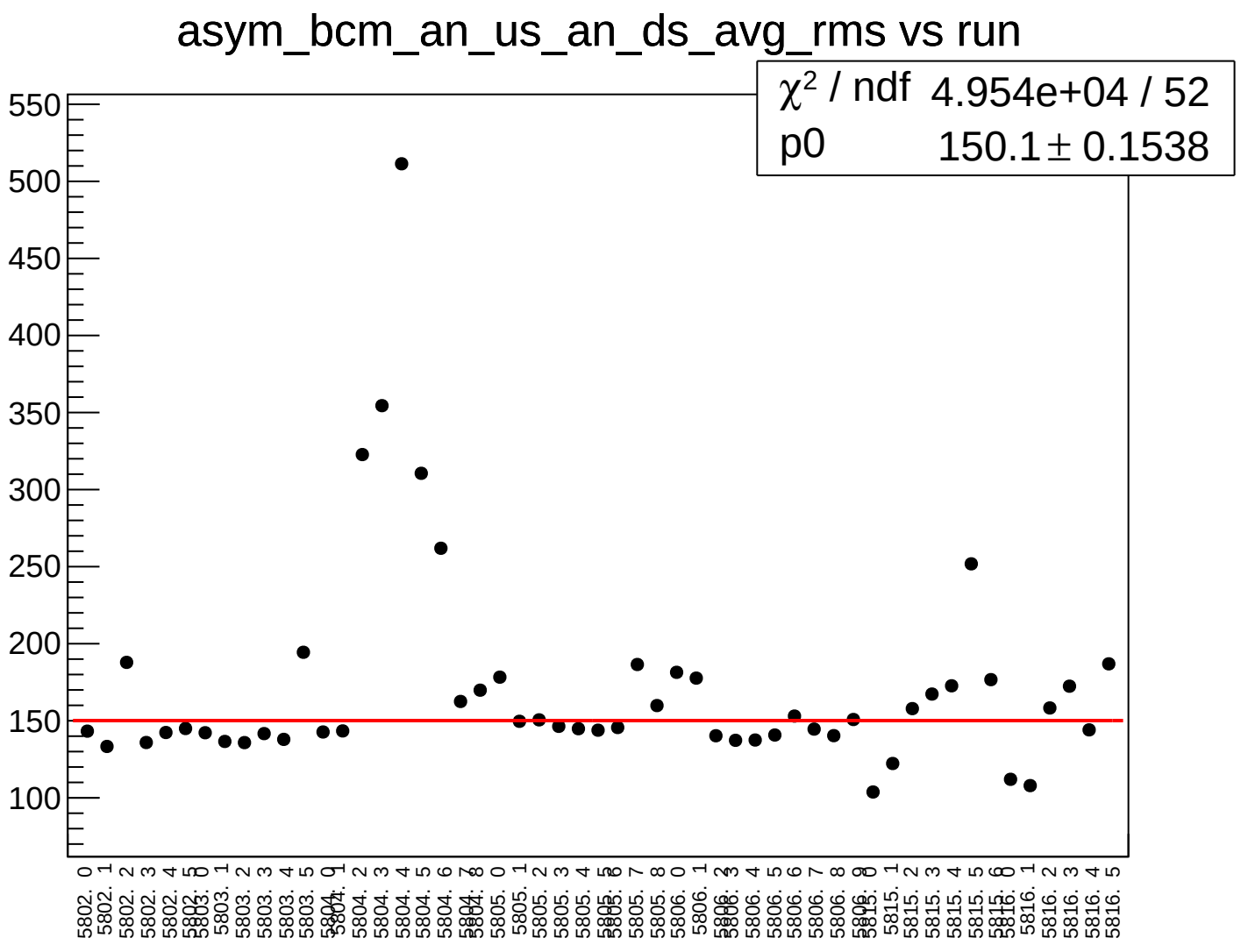

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 43.54 / 52
p0 51.9 ± 75.32
pull
Entries 53
Mean −573.1
Std Dev 0

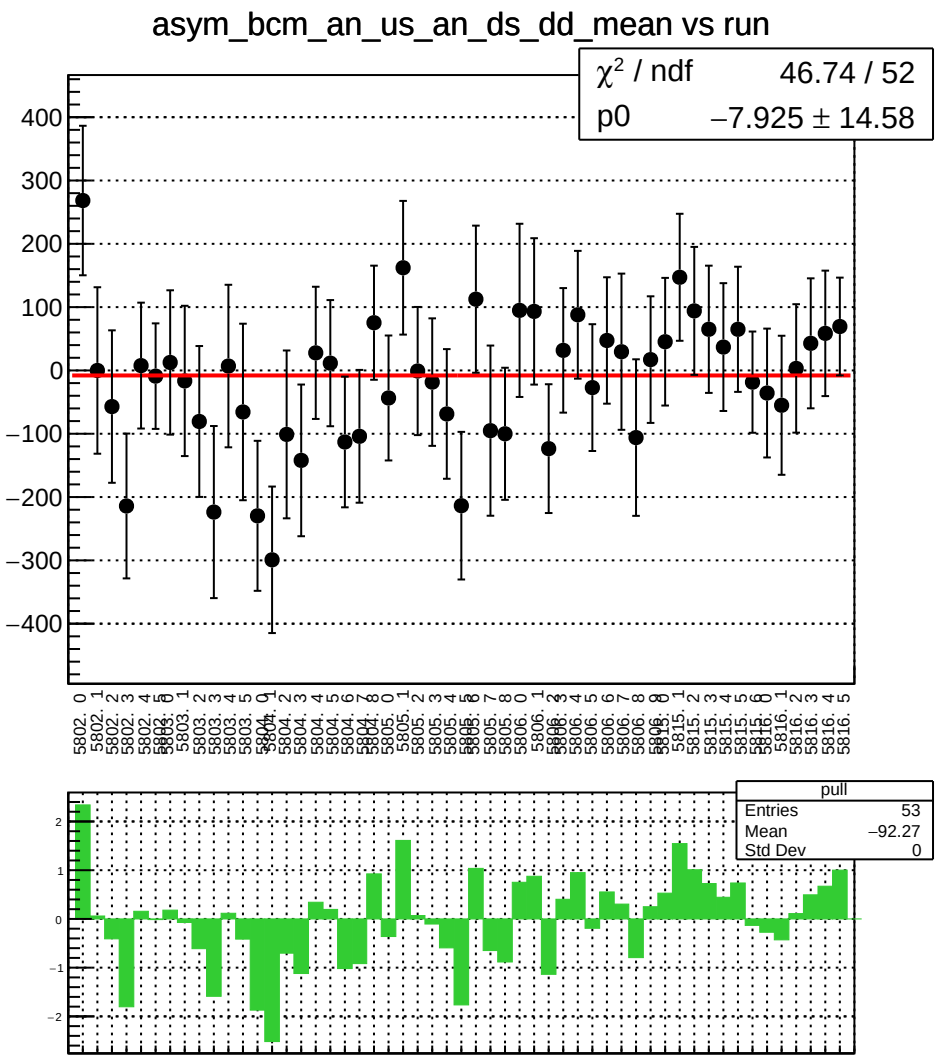

pull1D
Entries 53
Mean 0.004688
Std Dev 0.9064

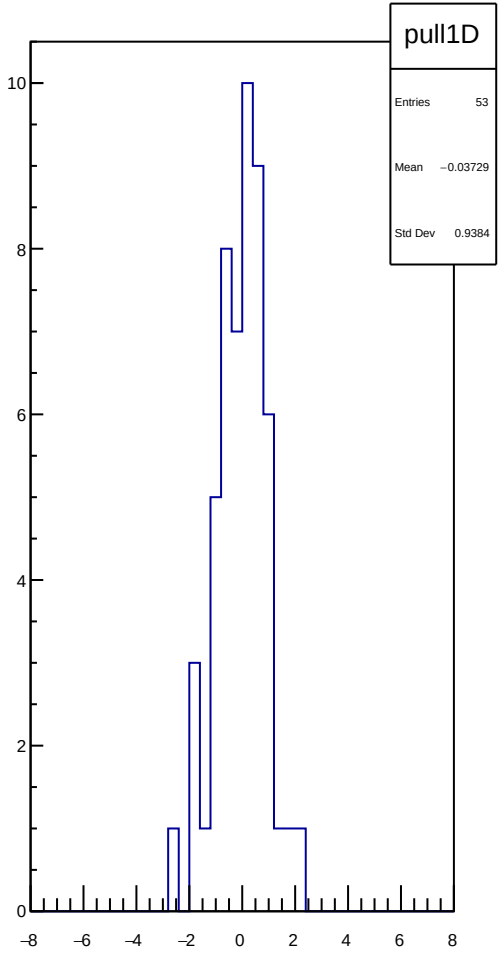

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 4.714e+04 / 52
p0 52.03 ± 0.05326
180
160
140
120
100
80
60
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

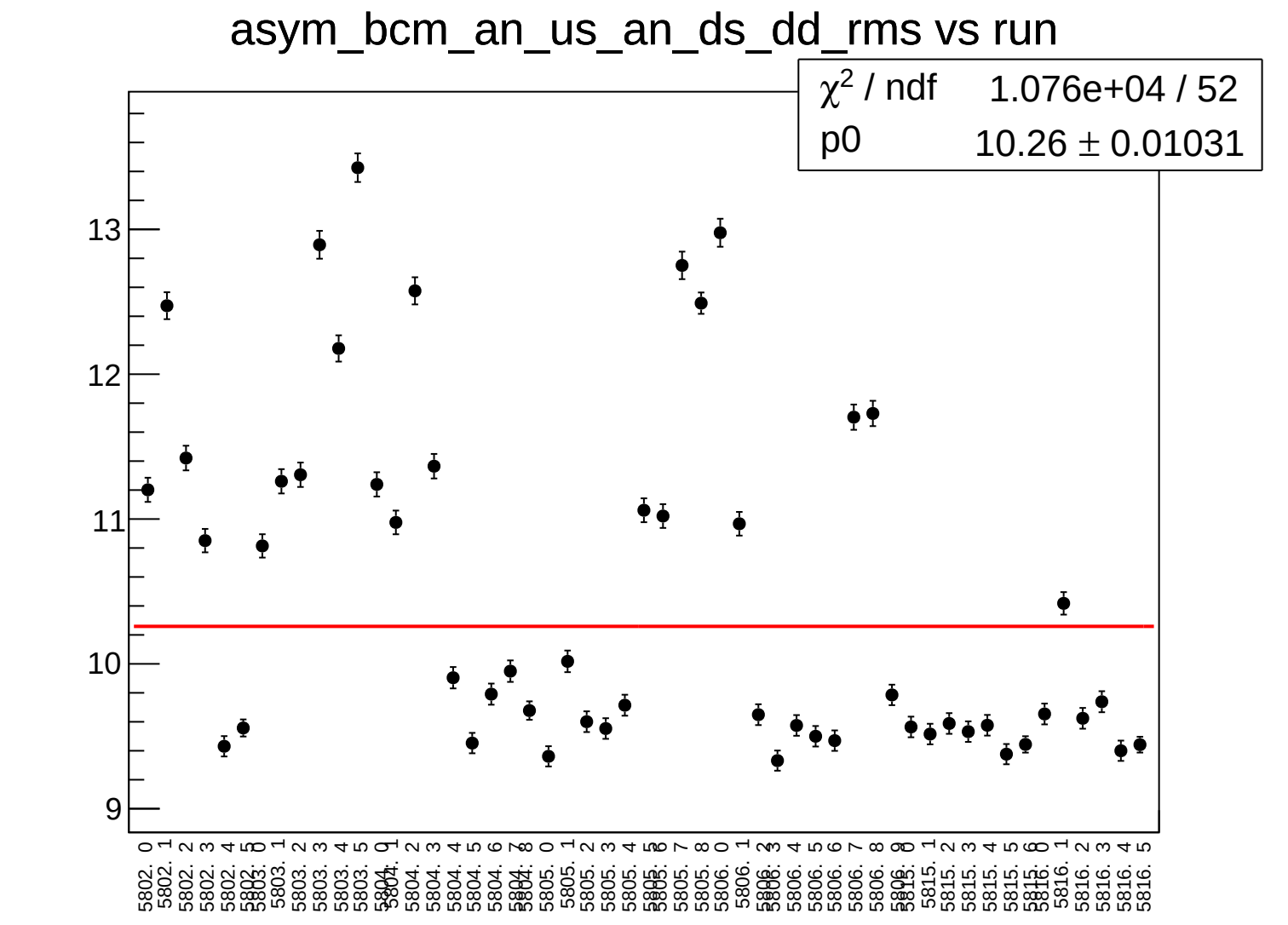

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 42.8 / 52
p0 202.2 ± 217.6
pull
Entries 53
Mean −797.9
Std Dev 0

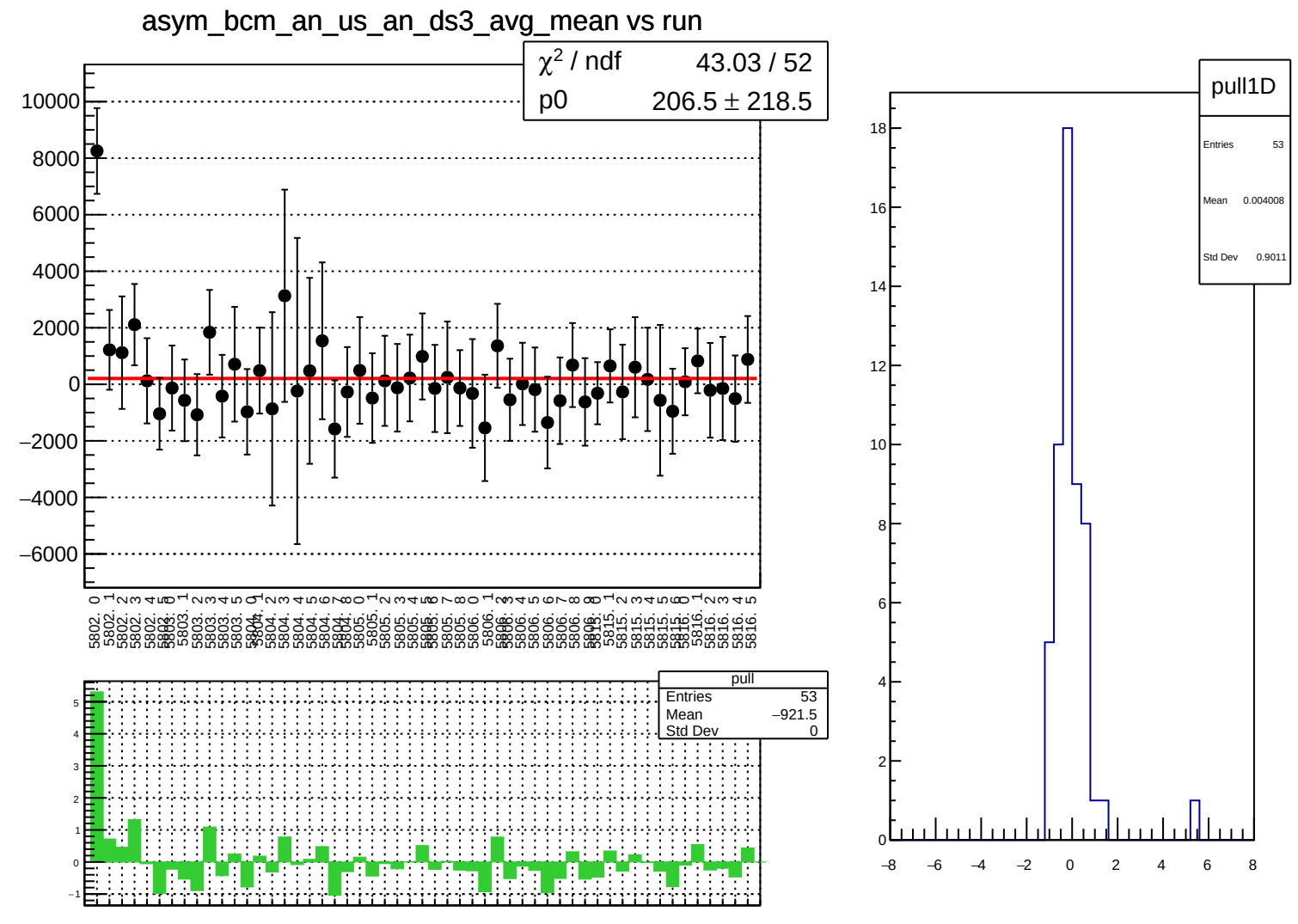

pull1D
Entries 53
Mean 0.004569
Std Dev 0.8986

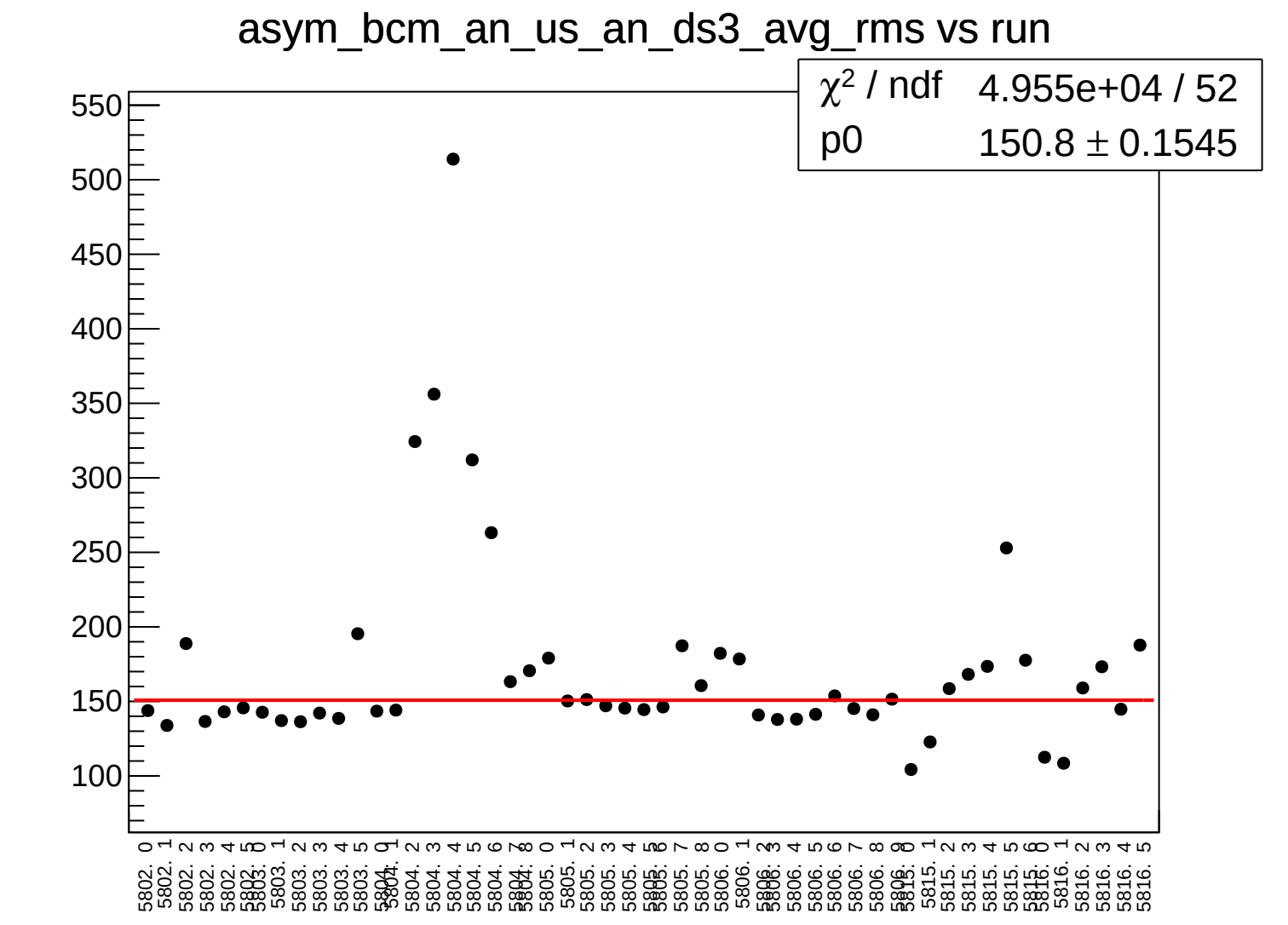

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 4.954e+04 / 52
p0 150.1 ± 0.1538
550
500
450
400
350
300
250
200
150
100


asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 46.74 / 52
p0 −7.925 ± 14.58
pull
Entries 53
Mean −92.27
Std Dev 0


pull1D
Entries 53
Mean −0.03729
Std Dev 0.9384


asym_bcm_an_us_an_ds_dd_rms vs run
χ2 / ndf 1.076e+04 / 52
p0 10.26 ± 0.01031
13
12
11
10
9


asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 43.03 / 52
p0 206.5 ± 218.5
pull
Entries 53
Mean −921.5
Std Dev 0
pull1D
Entries 53
Mean 0.004008
Std Dev 0.9011


asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 4.955e+04 / 52
p0 150.8 ± 0.1545
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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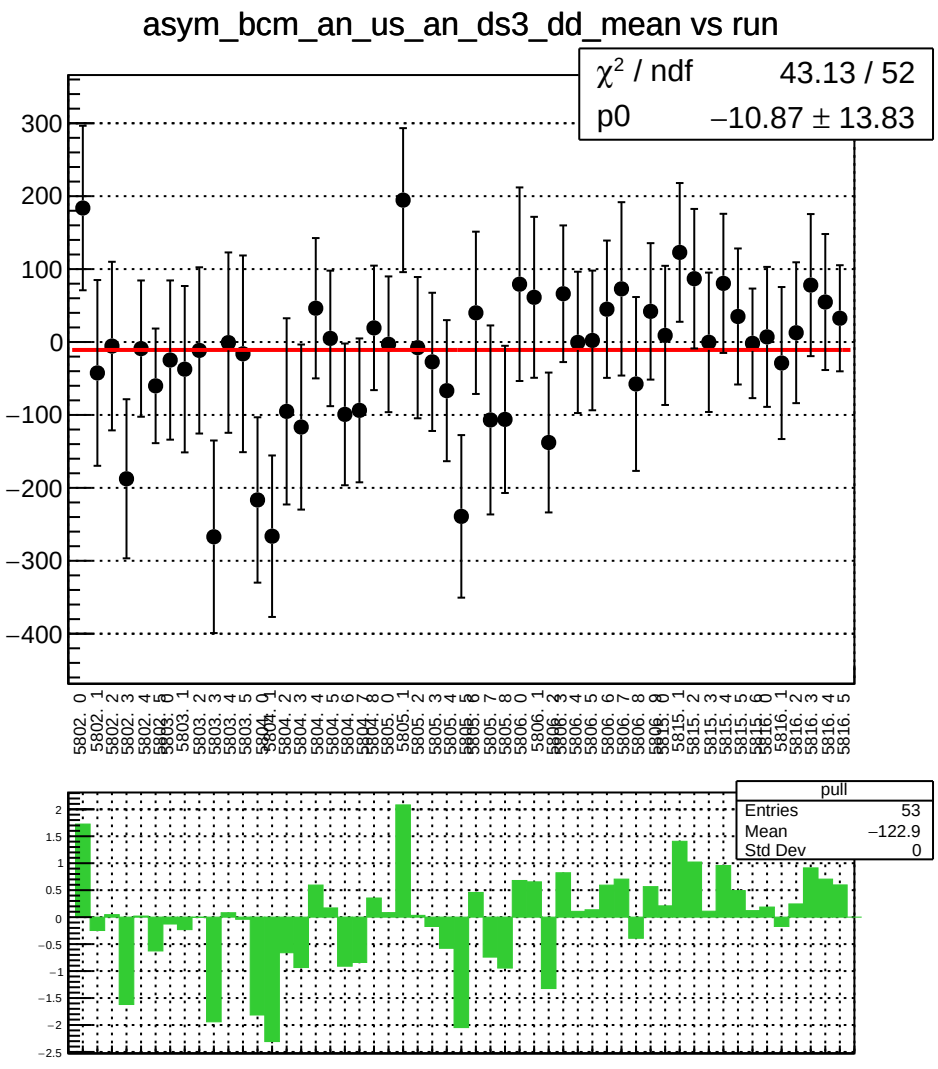
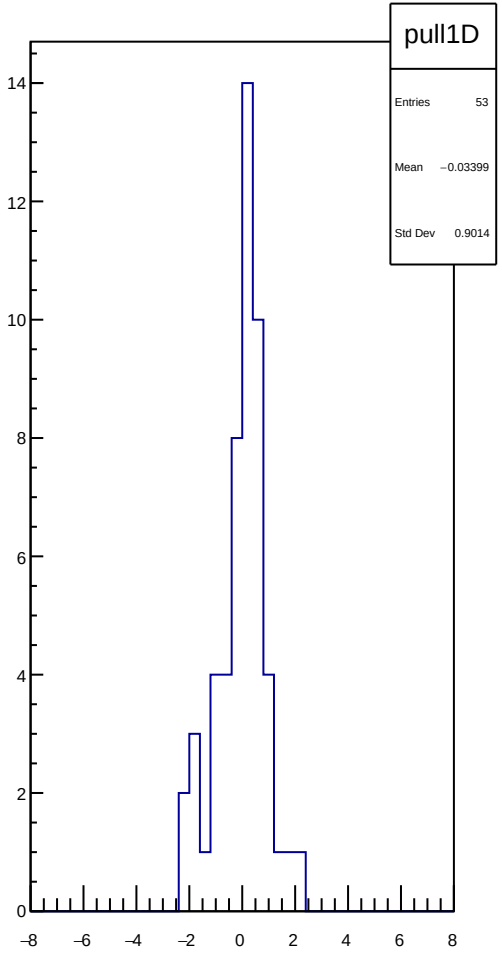
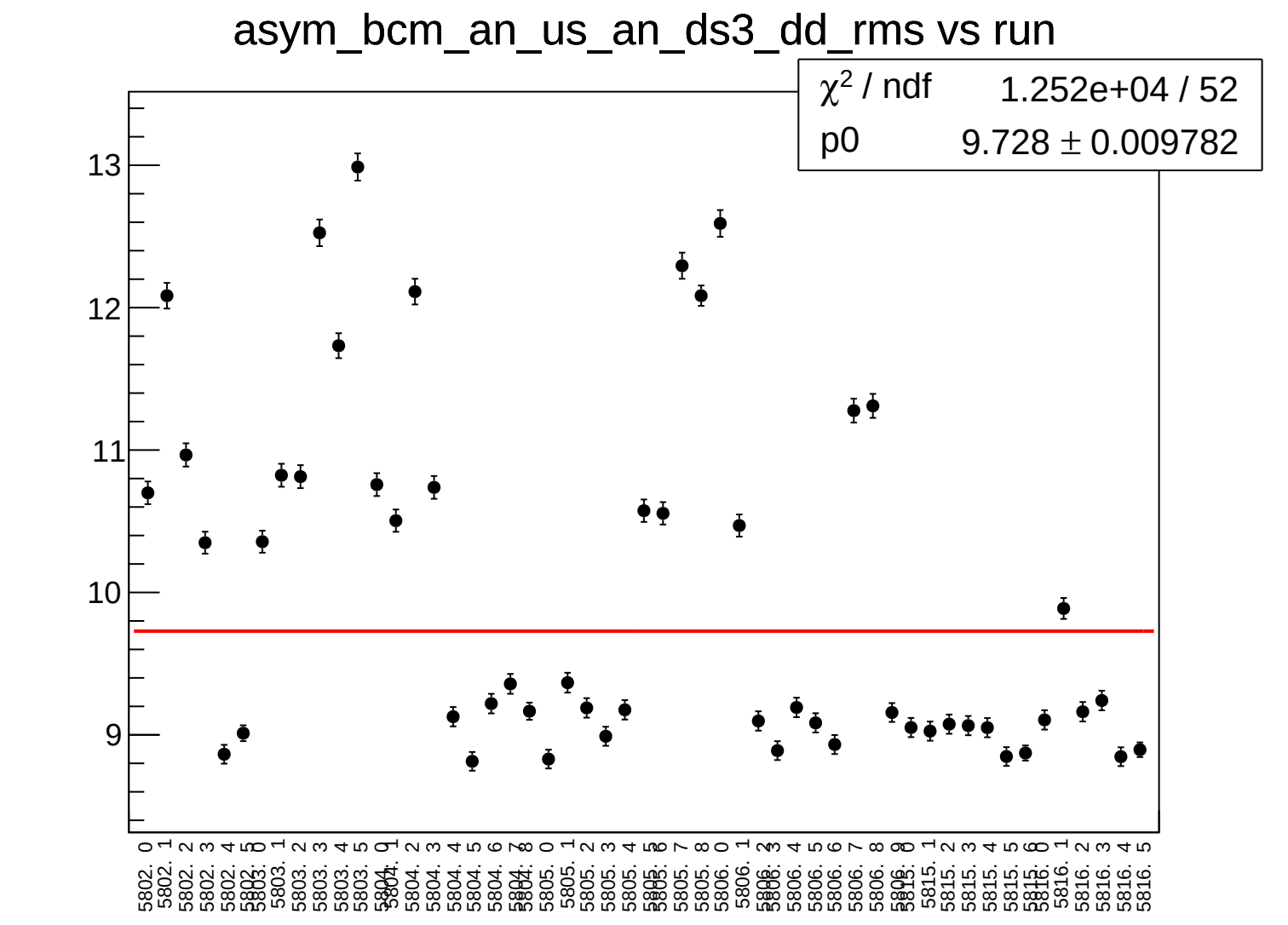
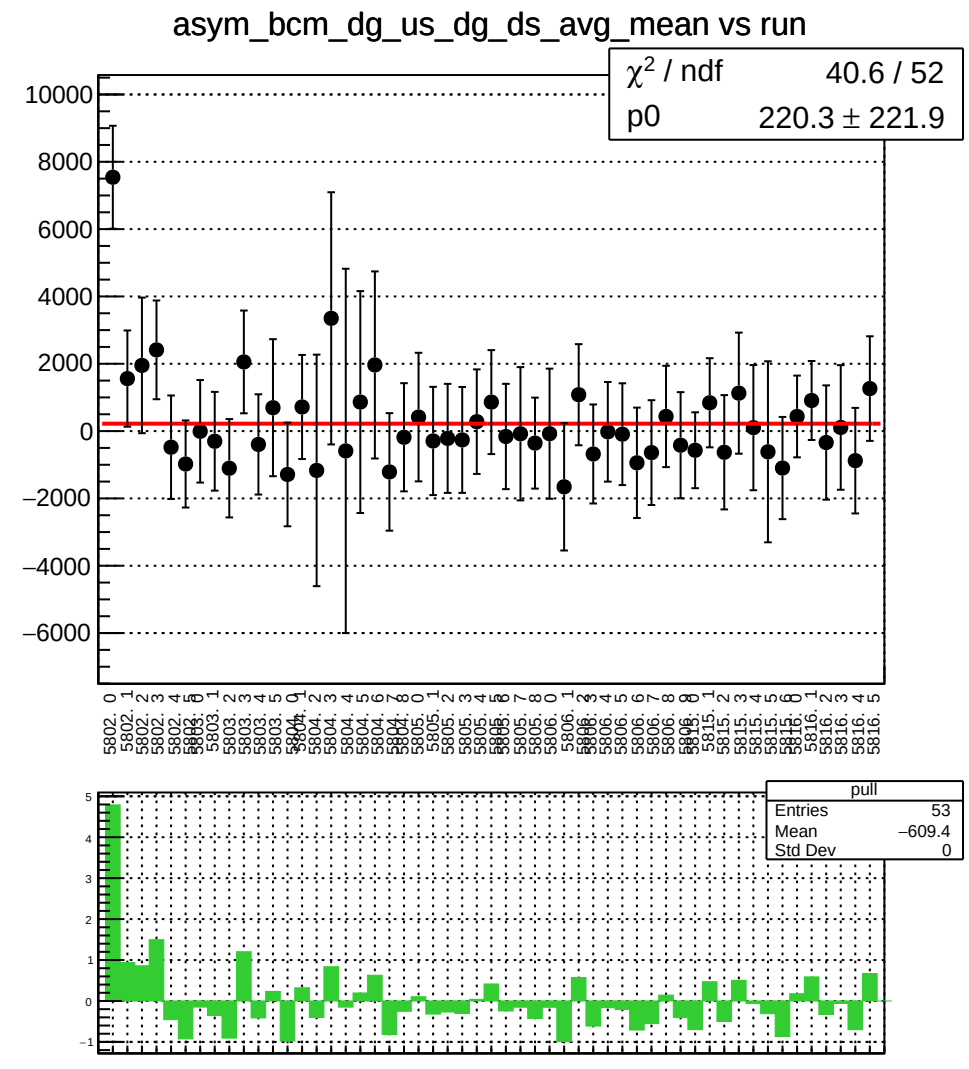
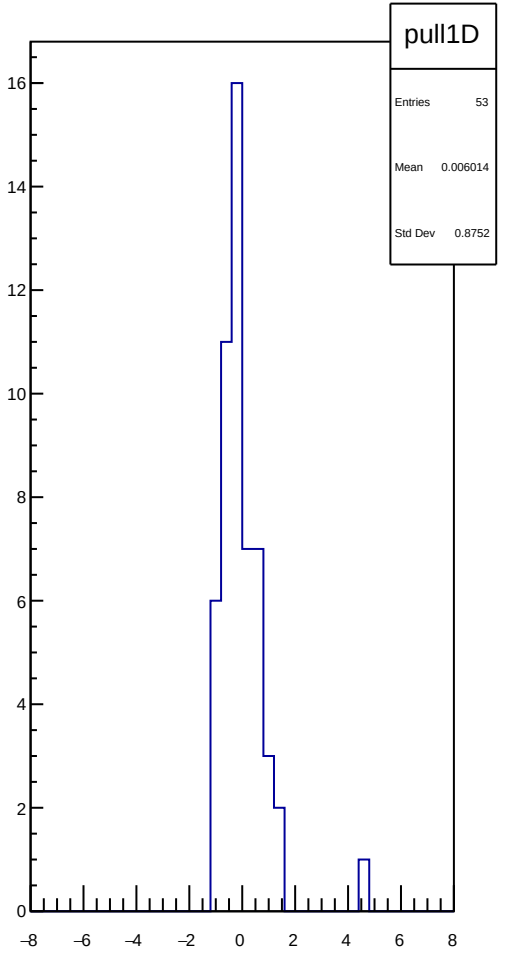
5816. 4
5816. 5

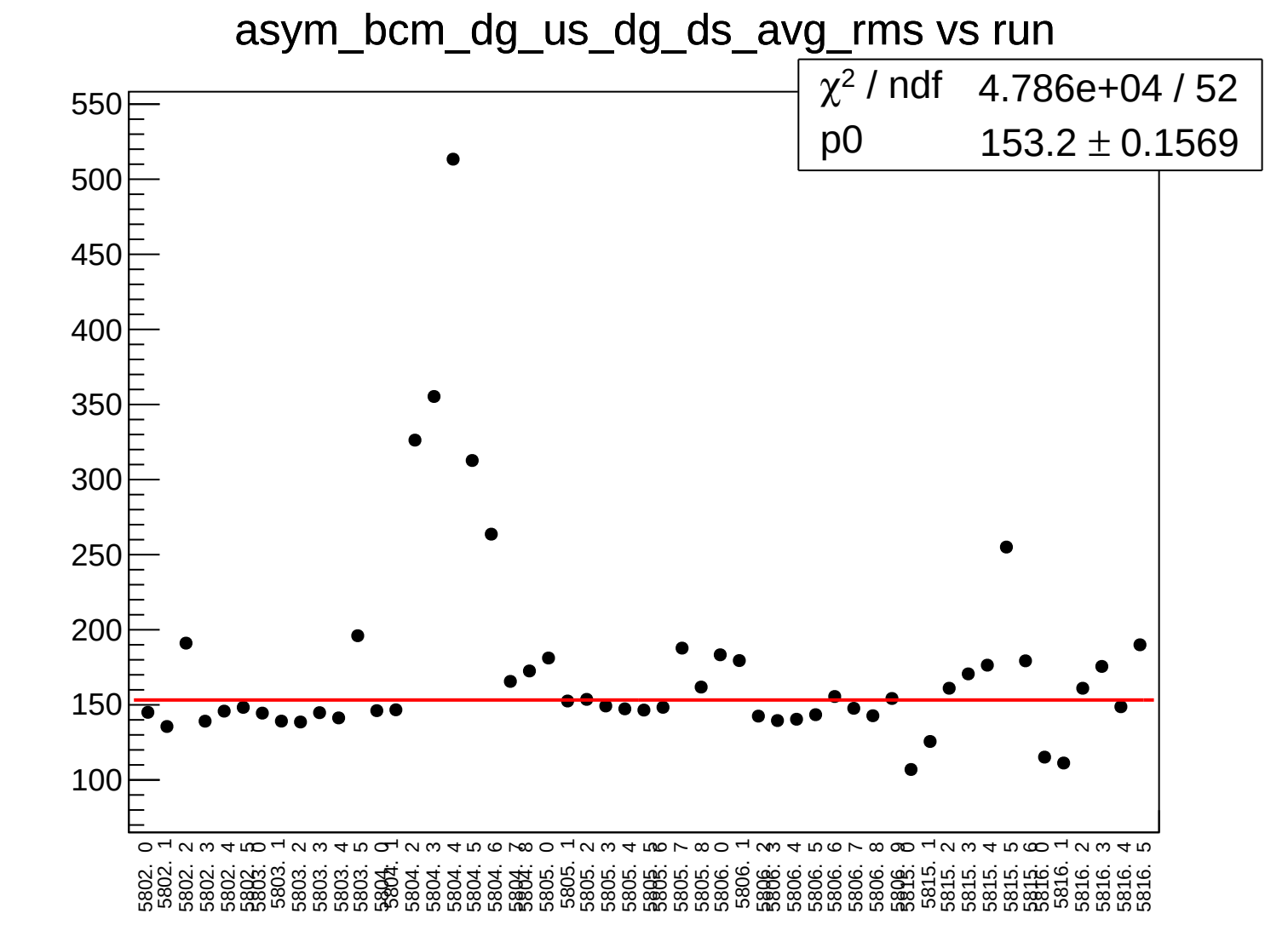

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 43.13 / 52
p0 −10.87 ± 13.83
pull
Entries 53
Mean −122.9
Std Dev 0

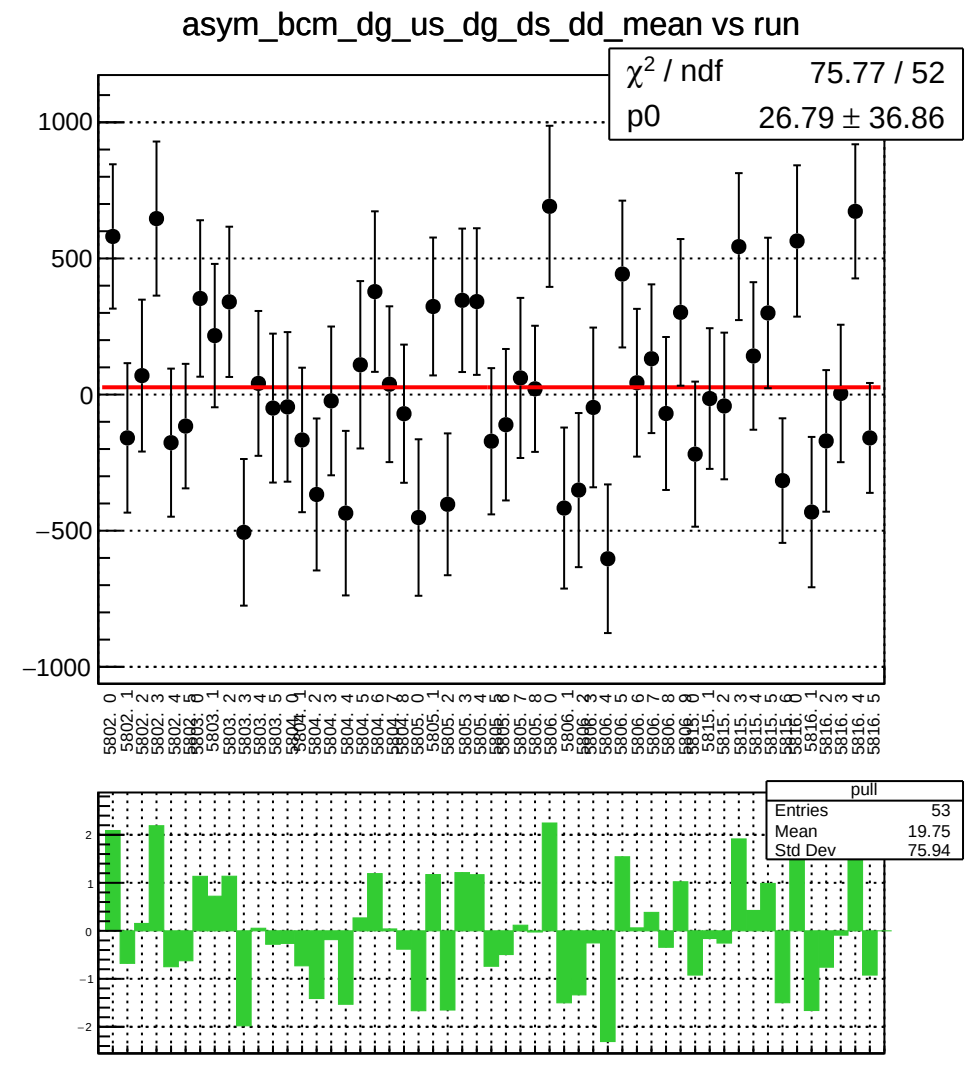

pull1D
Entries 53
Mean −0.03399
Std Dev 0.9014

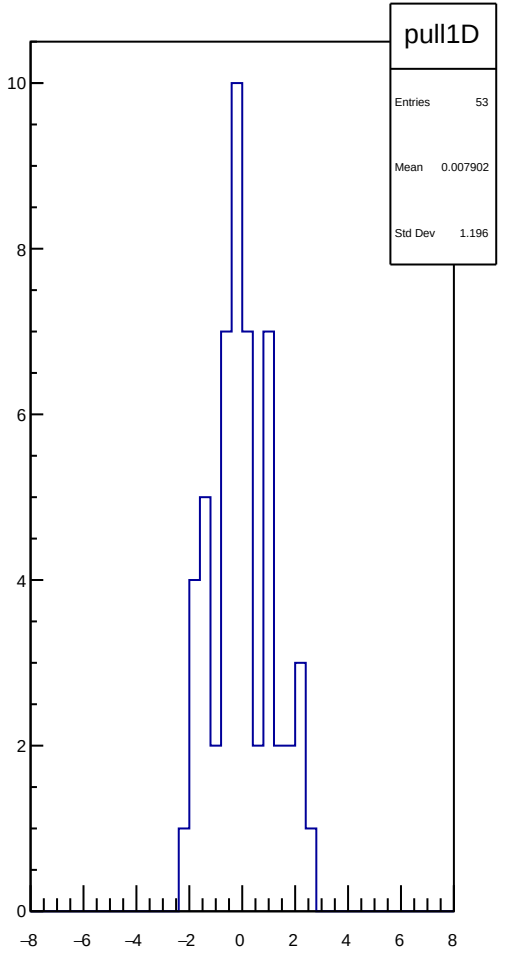

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.252e+04 / 52
p0 9.728 ± 0.009782
13
12
11
10
9

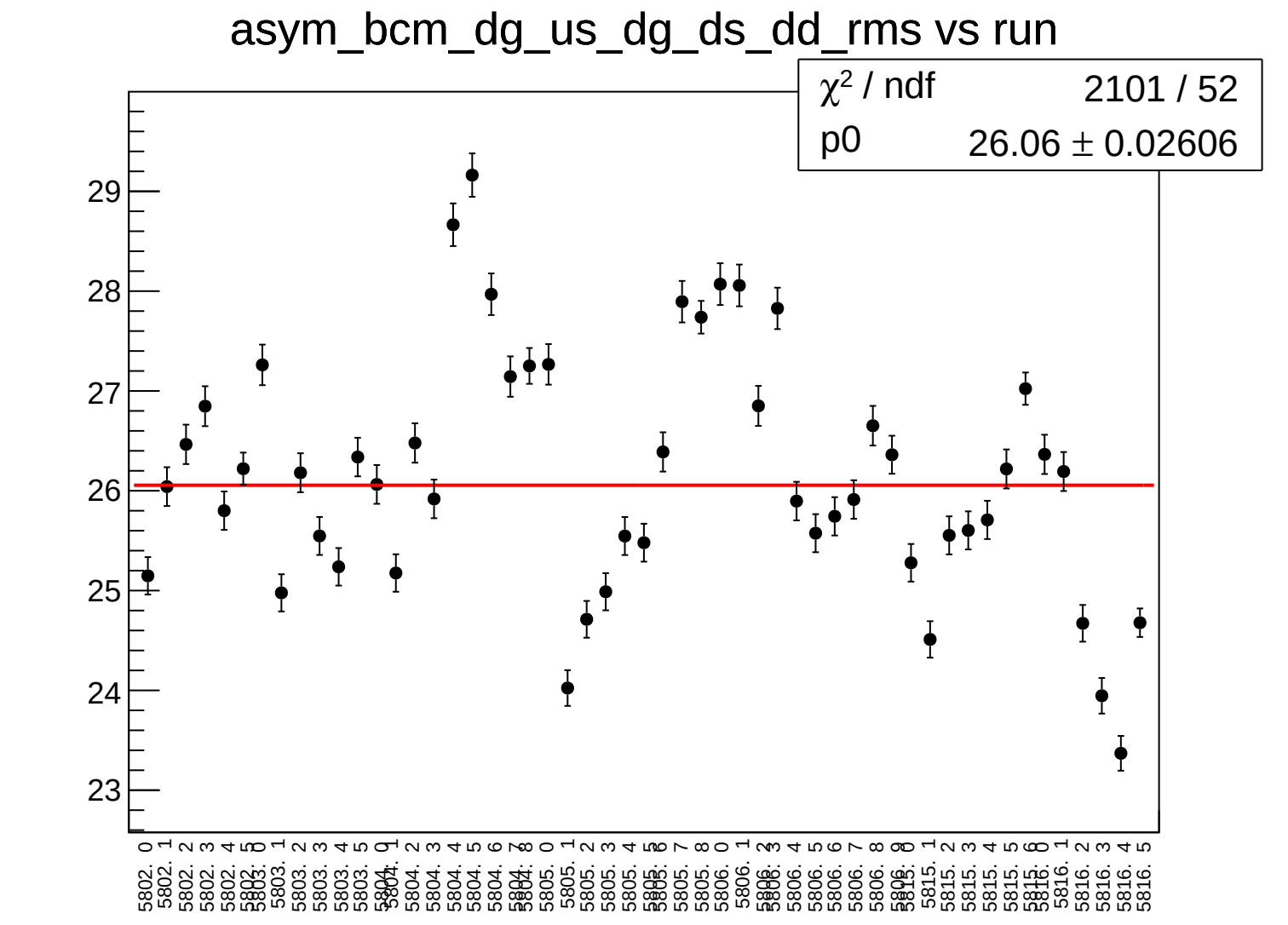

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 40.6 / 52
p0 220.3 ± 221.9
pull
Entries 53
Mean −609.4
Std Dev 0

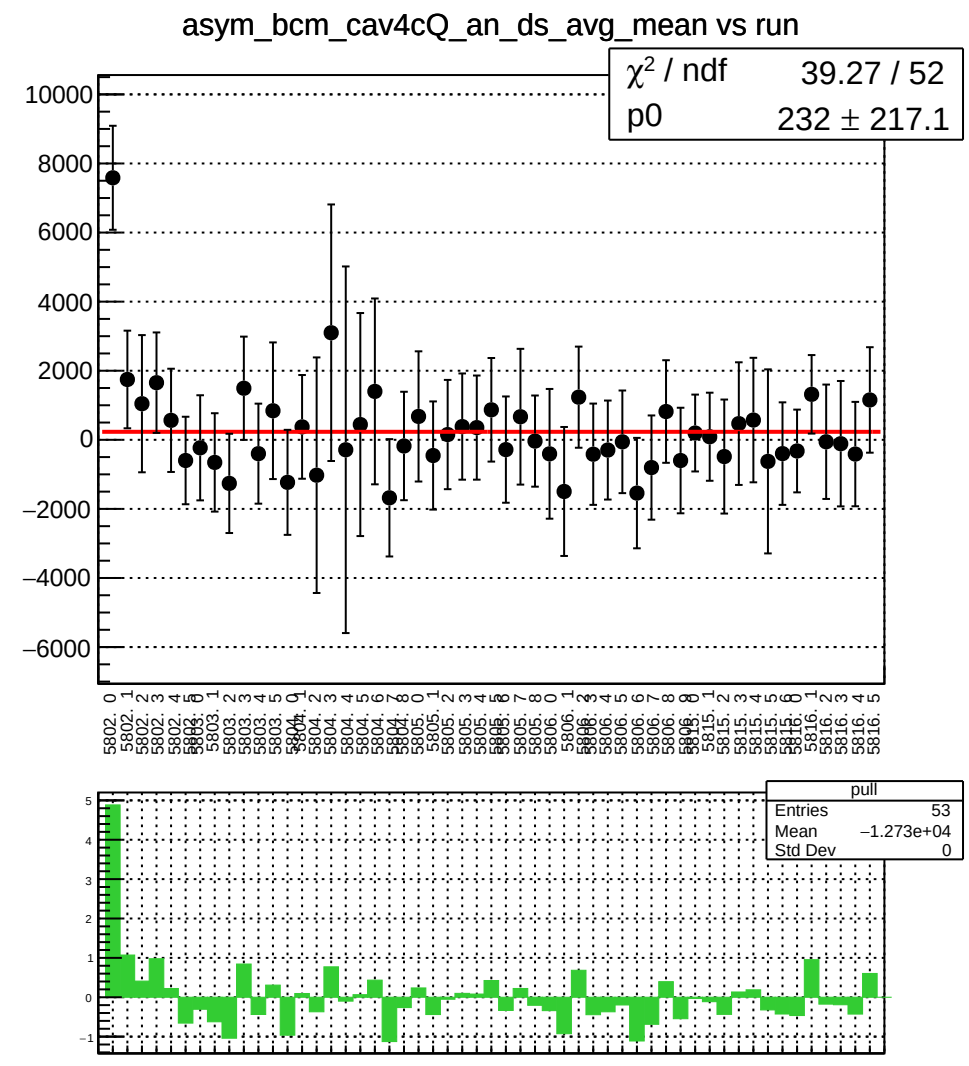

pull1D
Entries 53
Mean 0.006014
Std Dev 0.8752

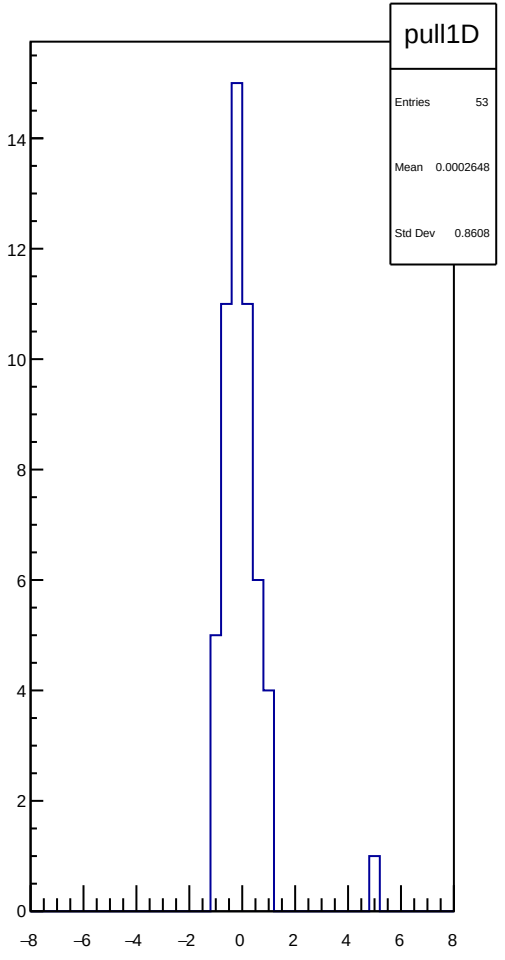

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 4.786e+04 / 52
p0 153.2 ± 0.1569
550
500
450
400
350
300
250
200
150
100

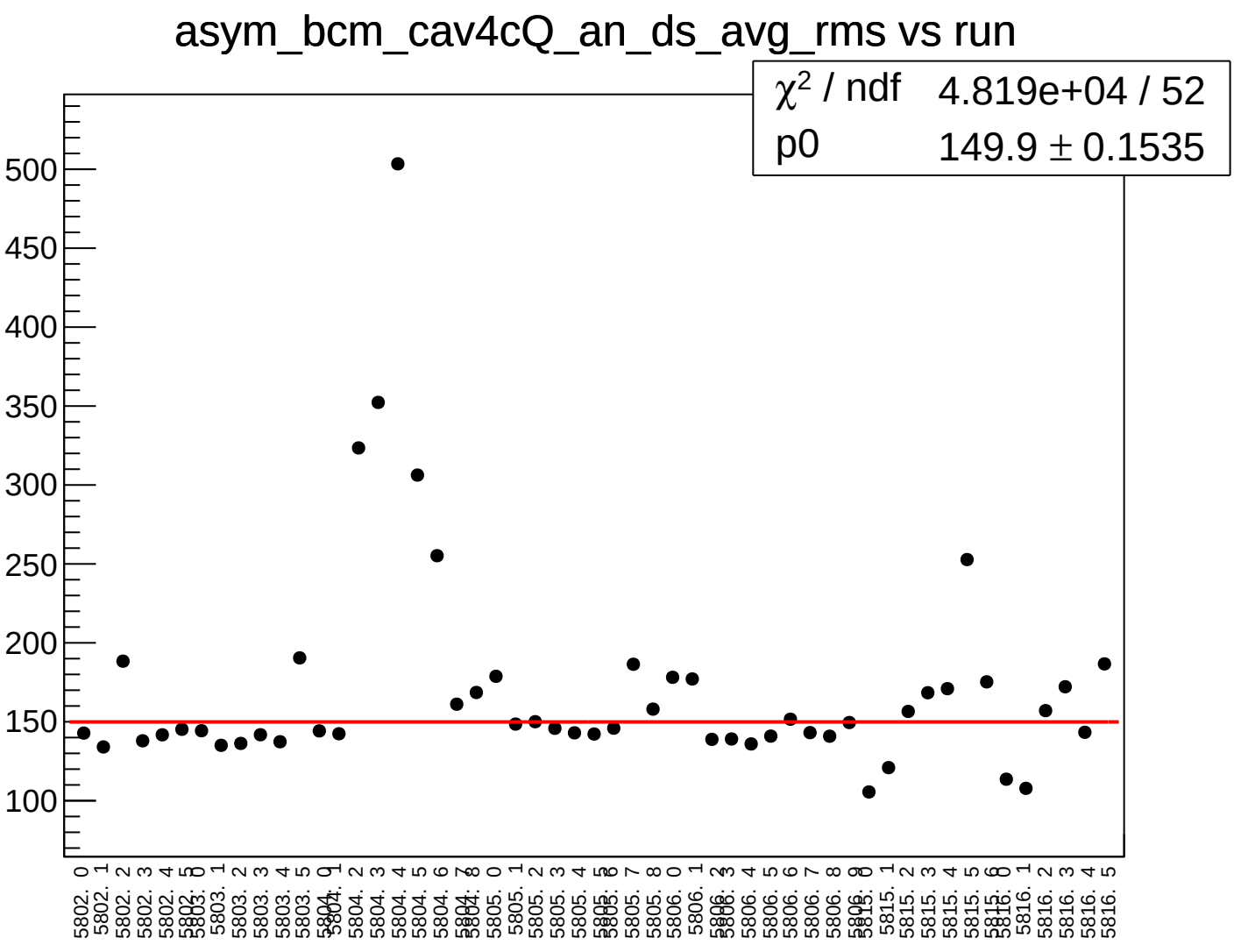

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 75.77 / 52
p0 26.79 ± 36.86
1000
500
0
−500
−1000
pull
Entries 53
Mean 19.75
Std Dev 75.94
2
1
0
−1
−2

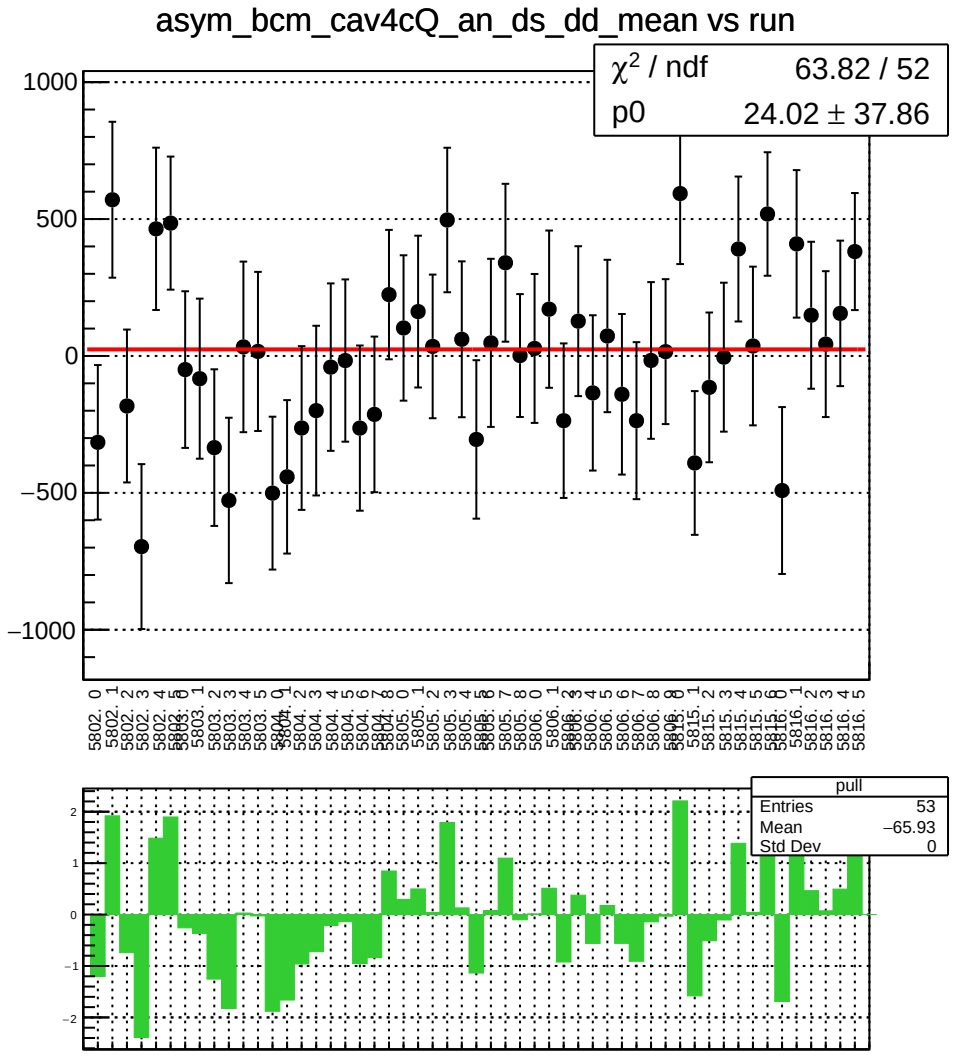

pull1D
Entries 53
Mean 0.007902
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

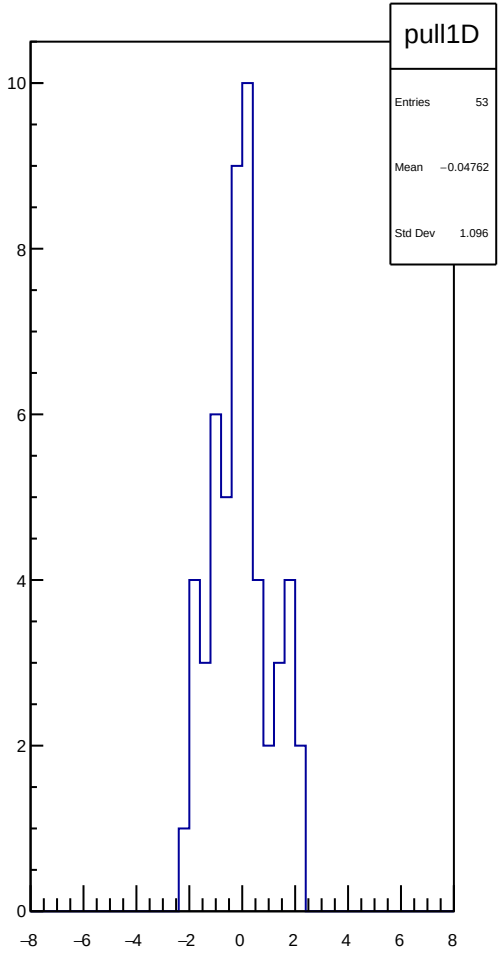

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2101 / 52
p0 26.06 ± 0.02606
29
28
27
26
25
24
23

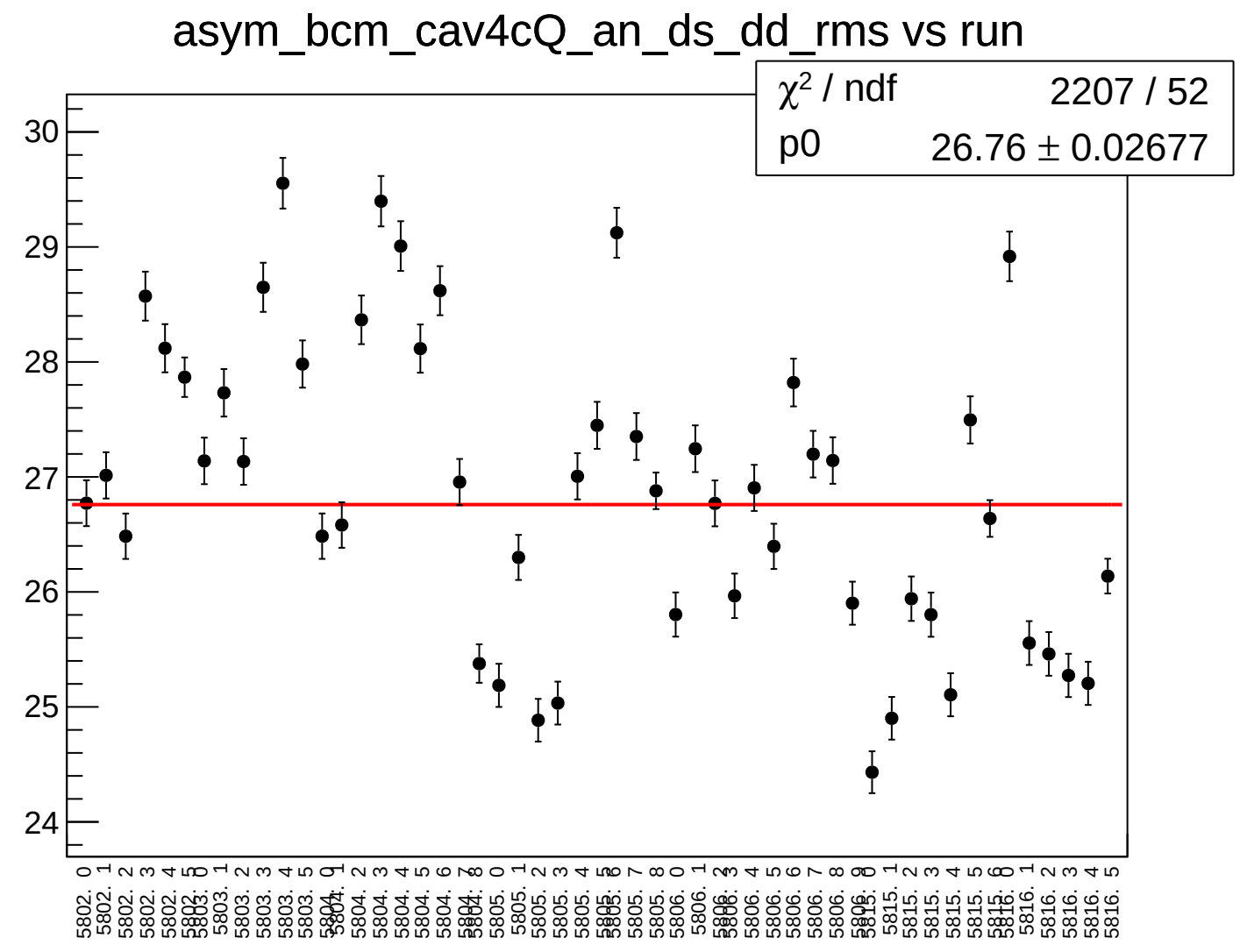

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 39.27 / 52
p0 232 ± 217.1
pull
Entries 53
Mean −1.273e+04
Std Dev 0

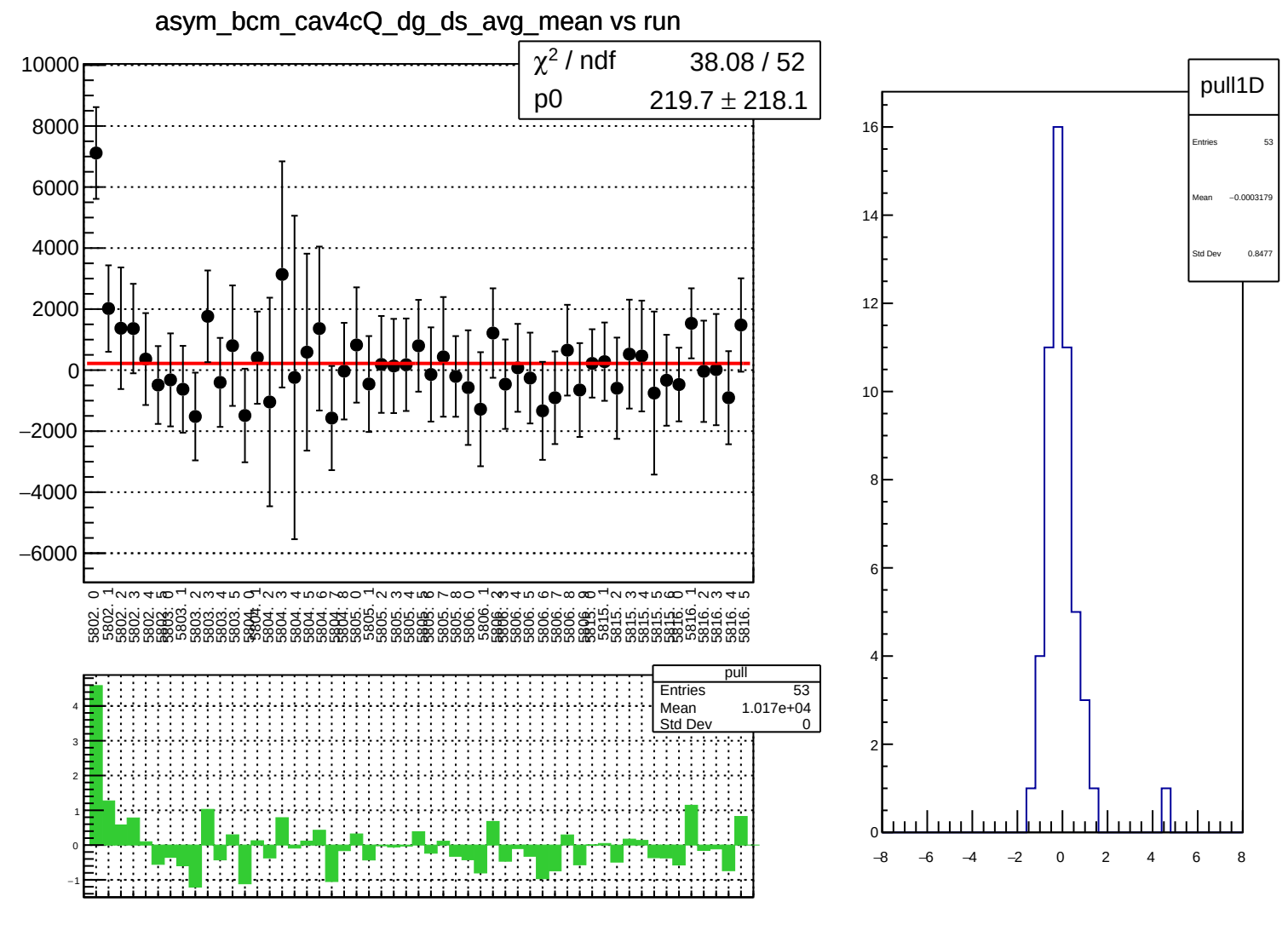

pull1D
Entries 53
Mean 0.0002648
Std Dev 0.8608

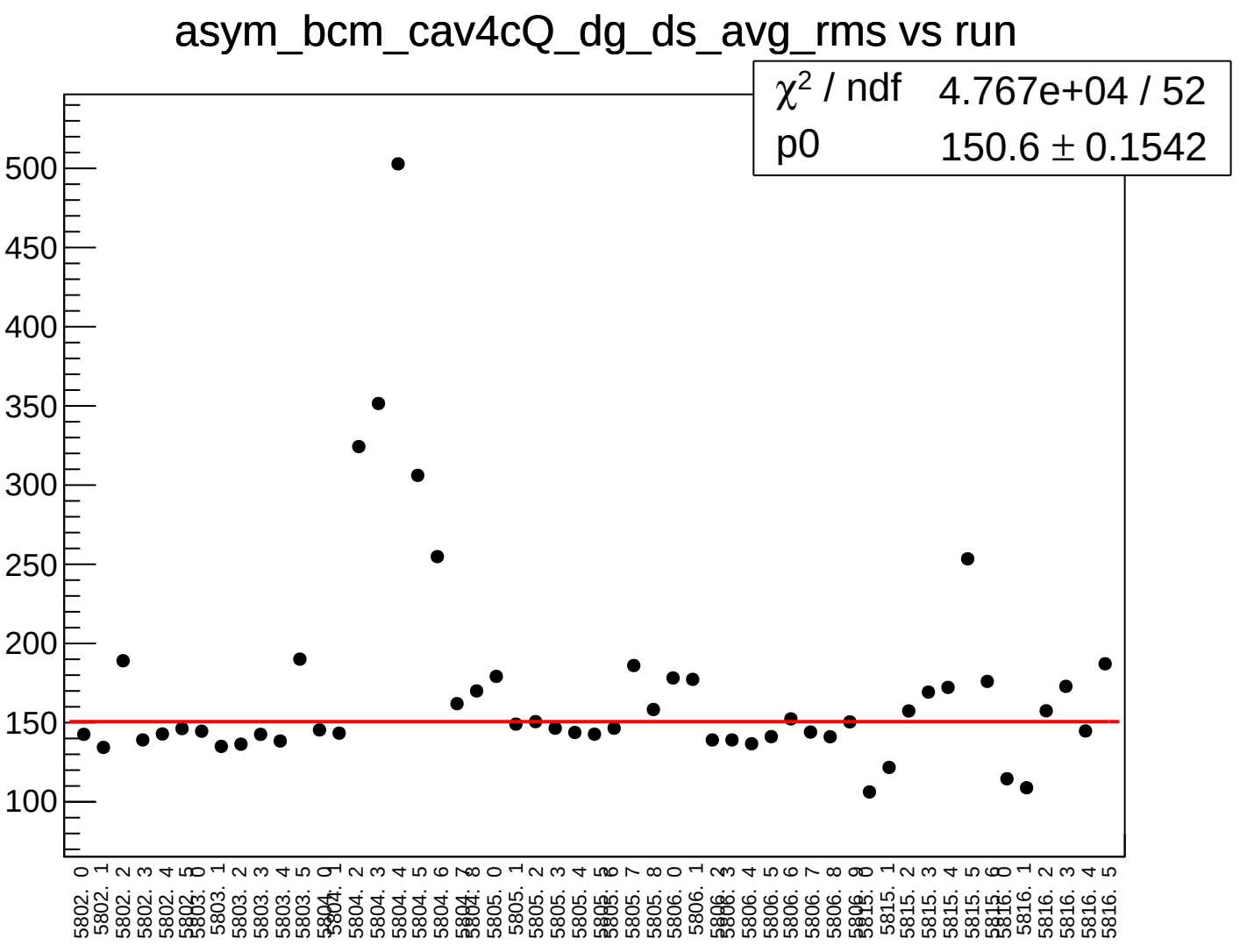

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 4.819e+04 / 52
p0 149.9 ± 0.1535
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

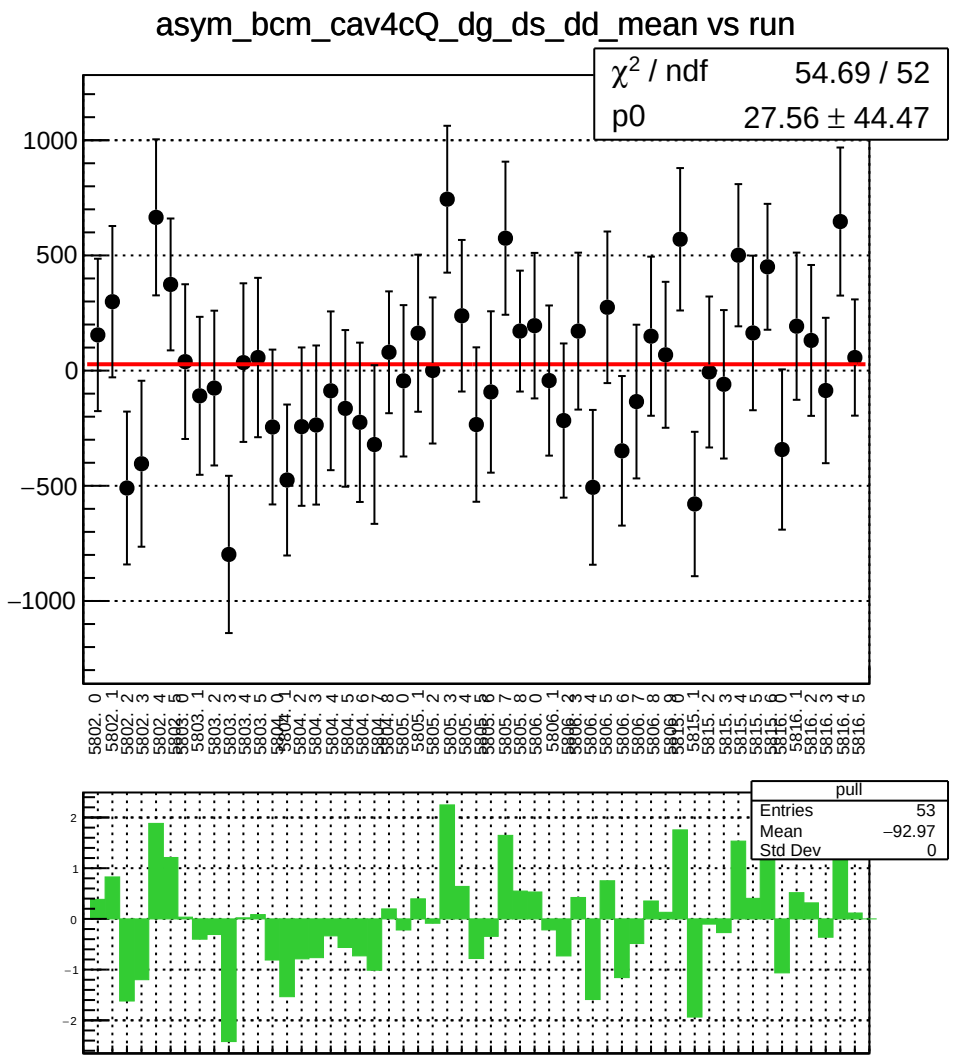

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 63.82 / 52
p0 24.02 ± 37.86
1000
500
0
−500
−1000
pull
Entries 53
Mean −65.93
Std Dev 0
2
1
0
−1
−2

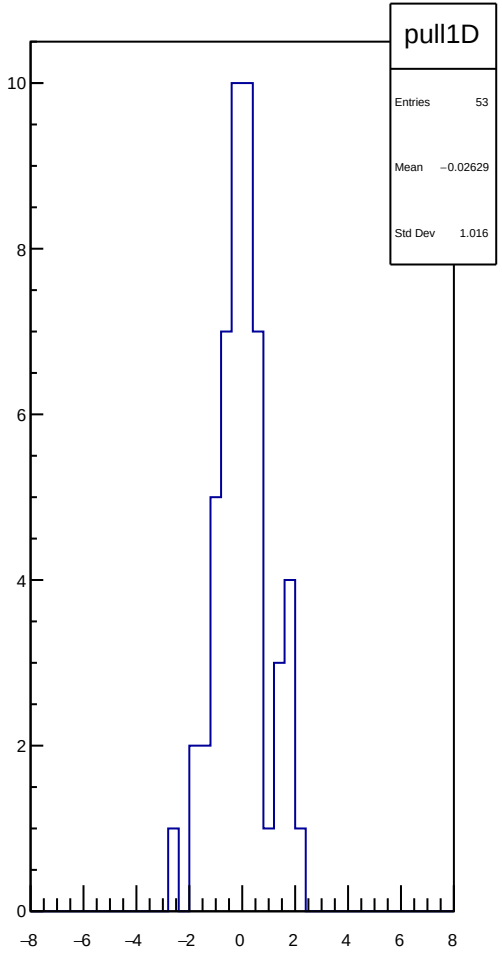

pull1D
Entries 53
Mean −0.04762
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

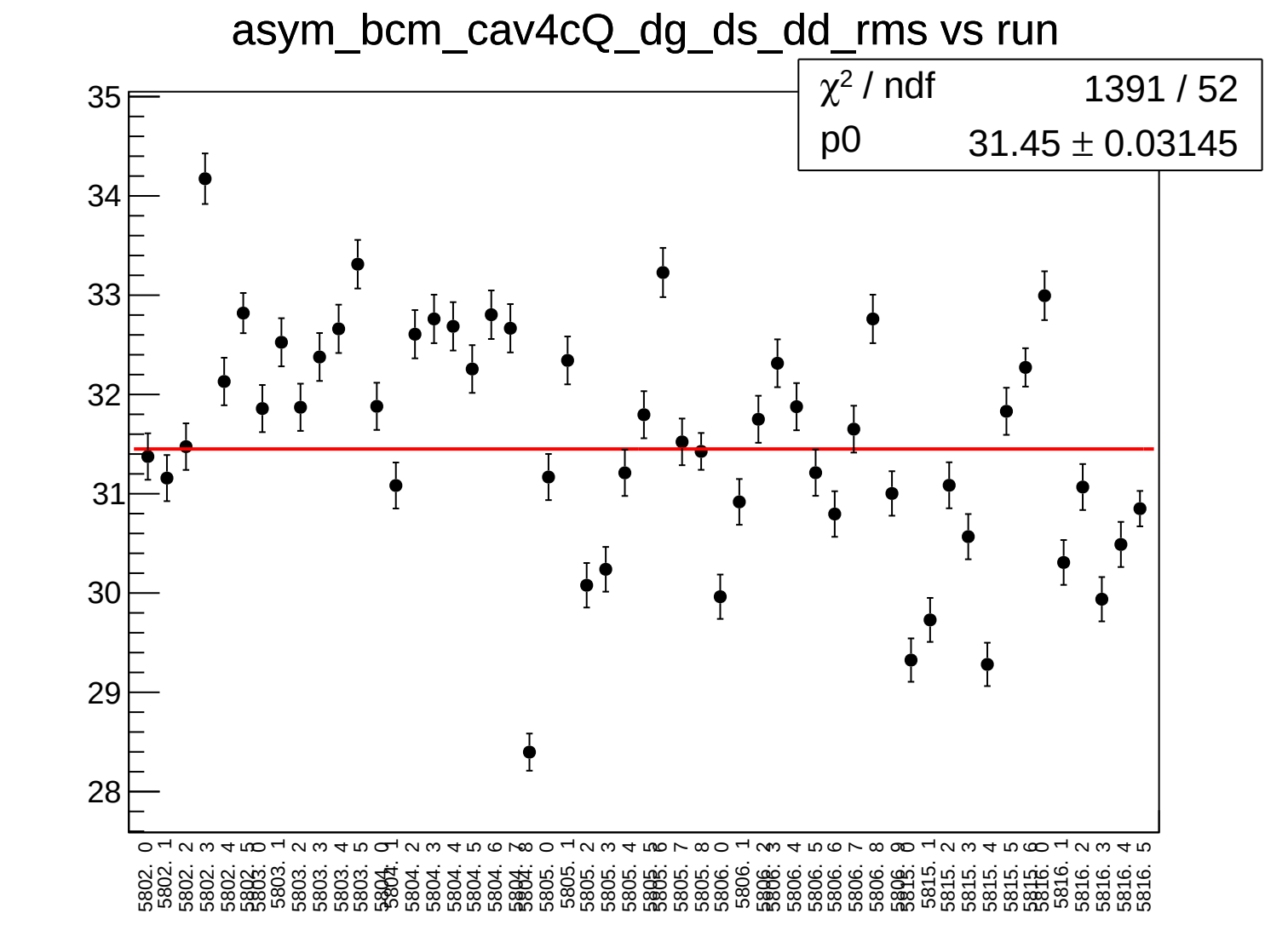

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 2207 / 52
p0 26.76 ± 0.02677
30
29
28
27
26
25
24

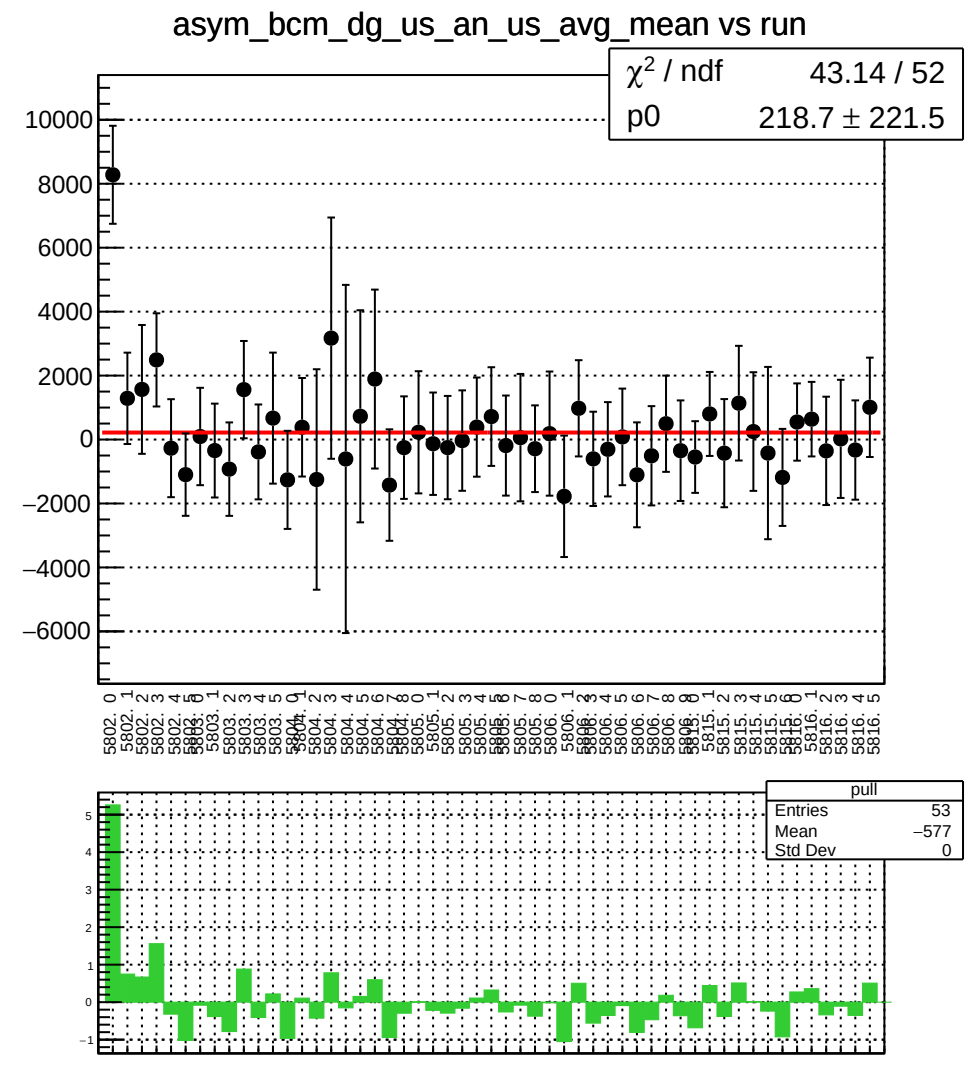

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 38.08 / 52
p0 219.7 ± 218.1
pull
Entries 53
Mean 1.017e+04
Std Dev 0
pull1D
Entries 53
Mean −0.0003179
Std Dev 0.8477

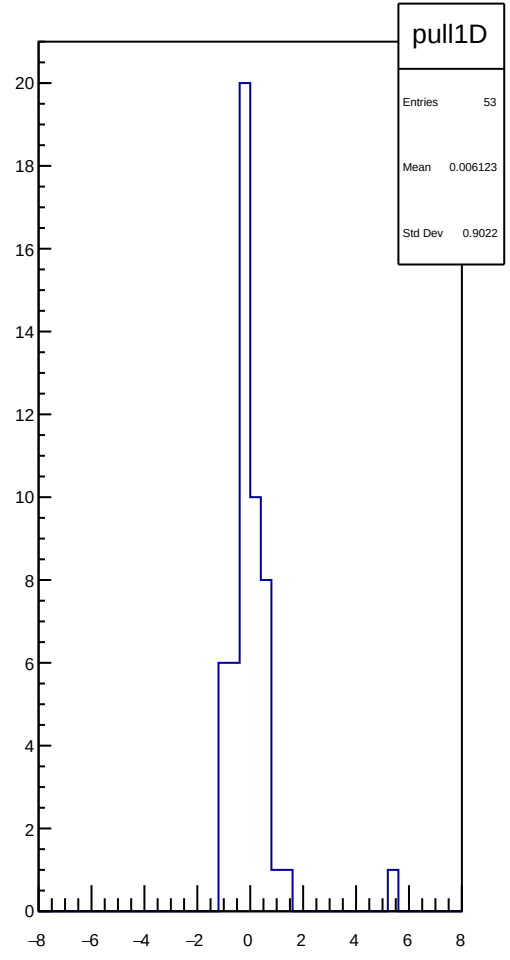

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 4.767e+04 / 52
p0 150.6 ± 0.1542
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

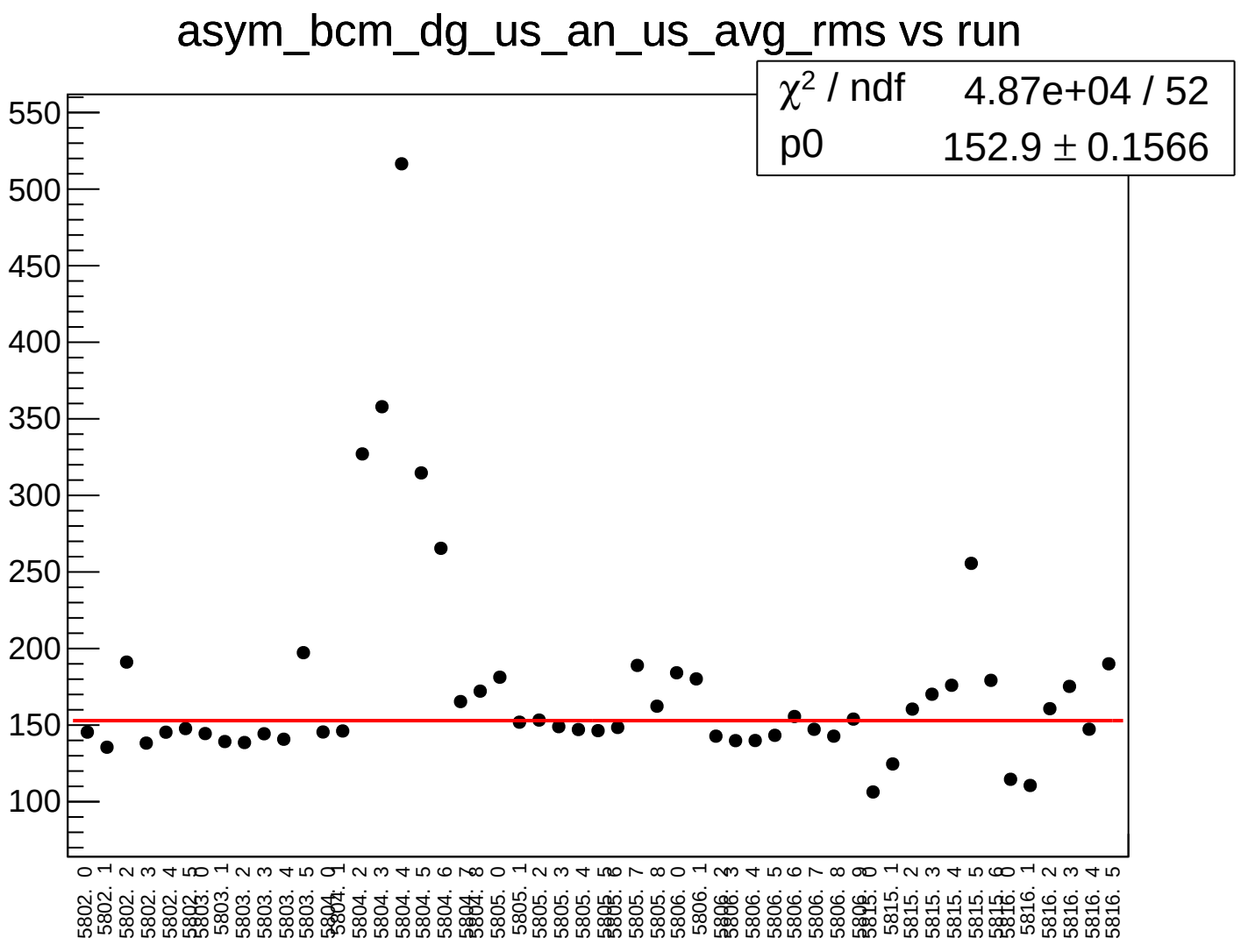

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 54.69 / 52
p0 27.56 ± 44.47
1000
500
0
−500
−1000
pull
Entries 53
Mean −92.97
Std Dev 0
2
1
0
−1
−2

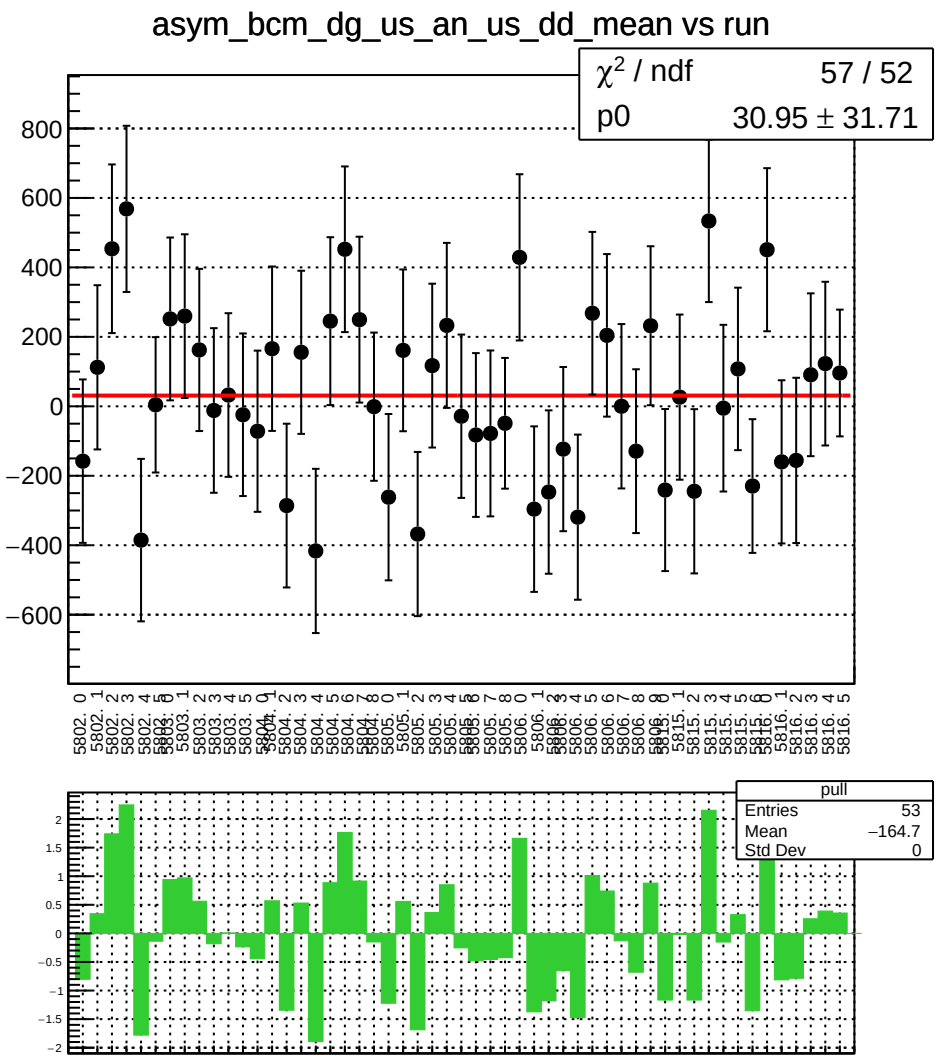

pull1D
Entries 53
Mean −0.02629
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

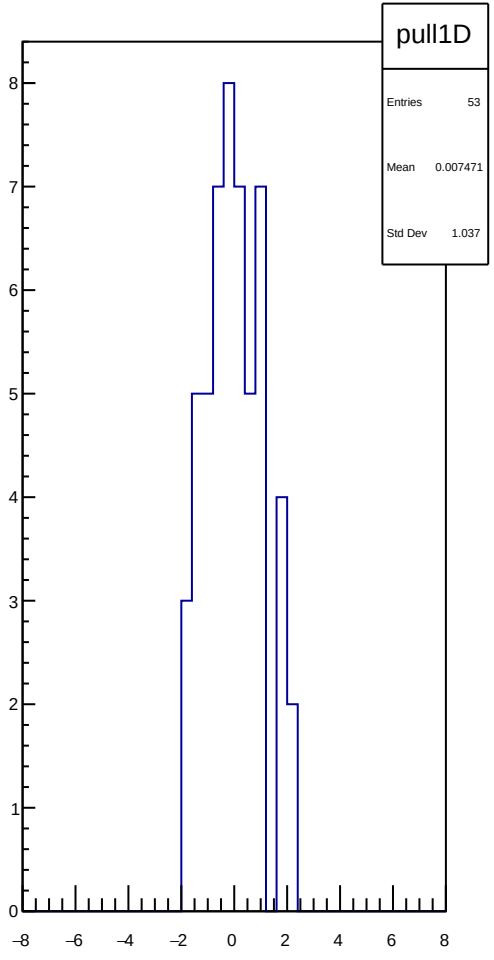

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1391 / 52
p0 31.45 ± 0.03145
35
34
33
32
31
30
29
28

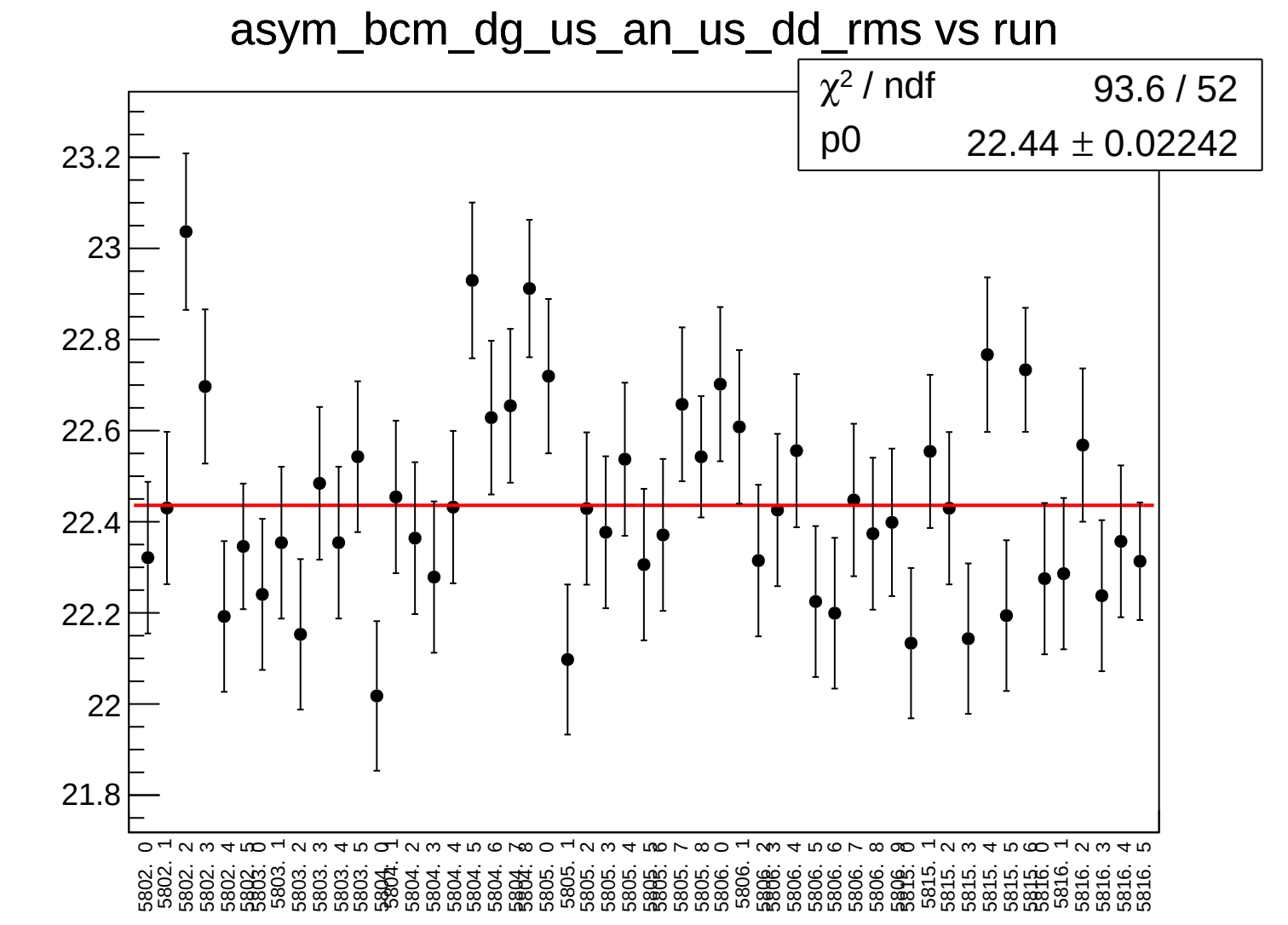

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 43.14 / 52
p0 218.7 ± 221.5
pull
Entries 53
Mean −577
Std Dev 0

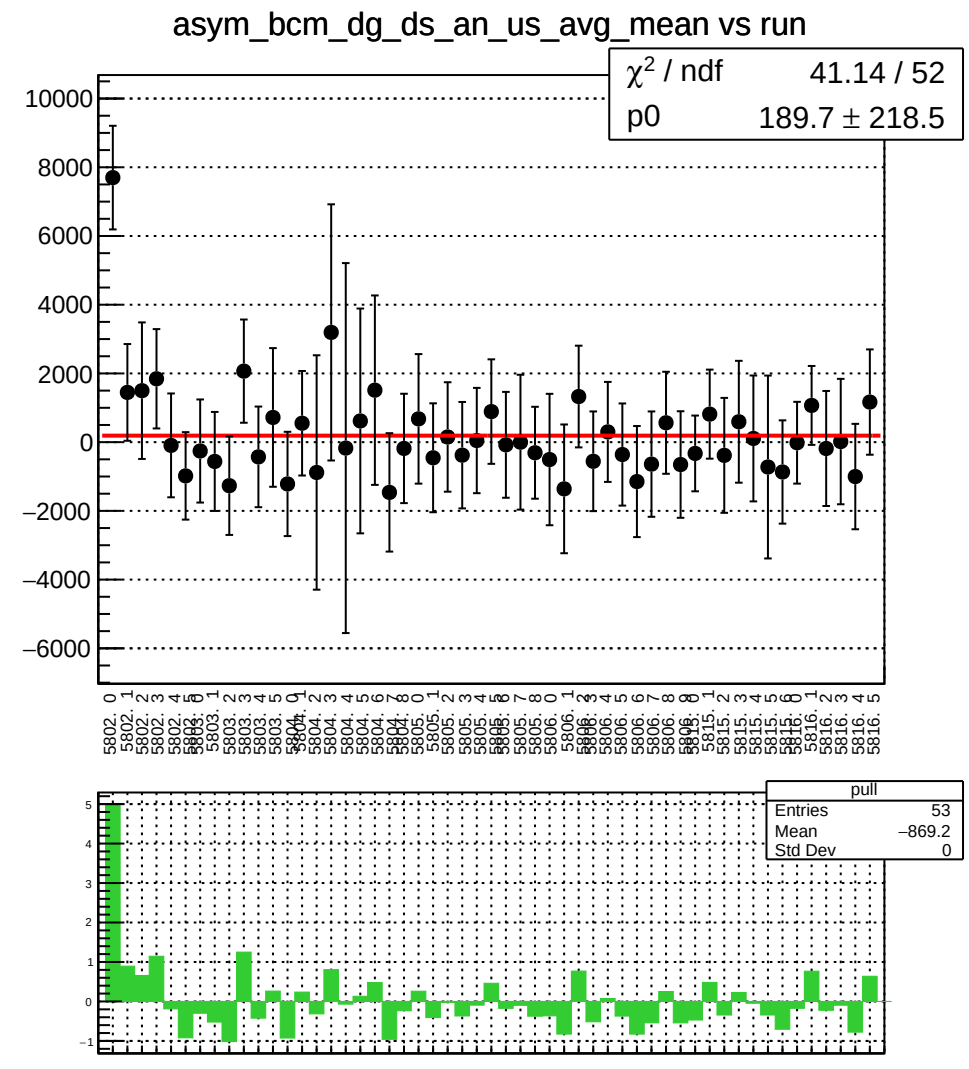

pull1D
Entries 53
Mean 0.006123
Std Dev 0.9022

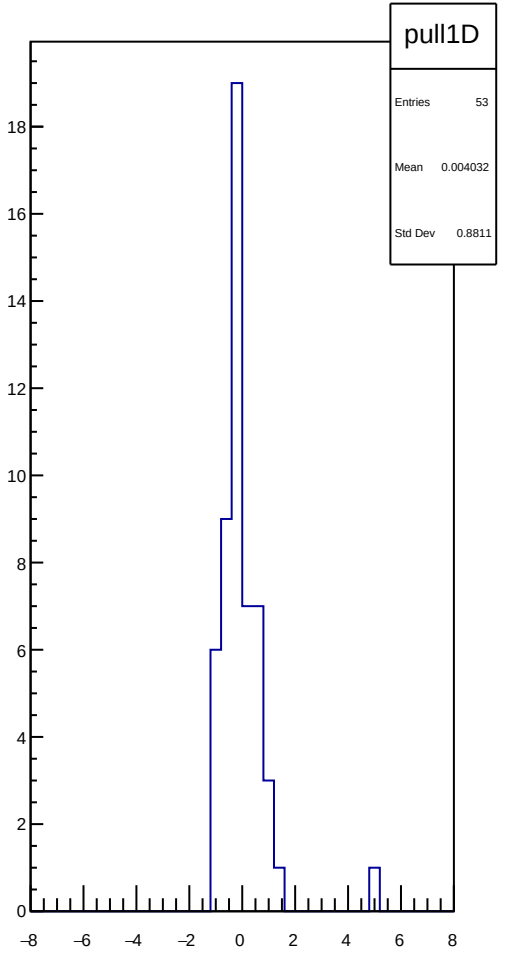

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 4.87e+04 / 52
p0 152.9 ± 0.1566
550
500
450
400
350
300
250
200
150
100

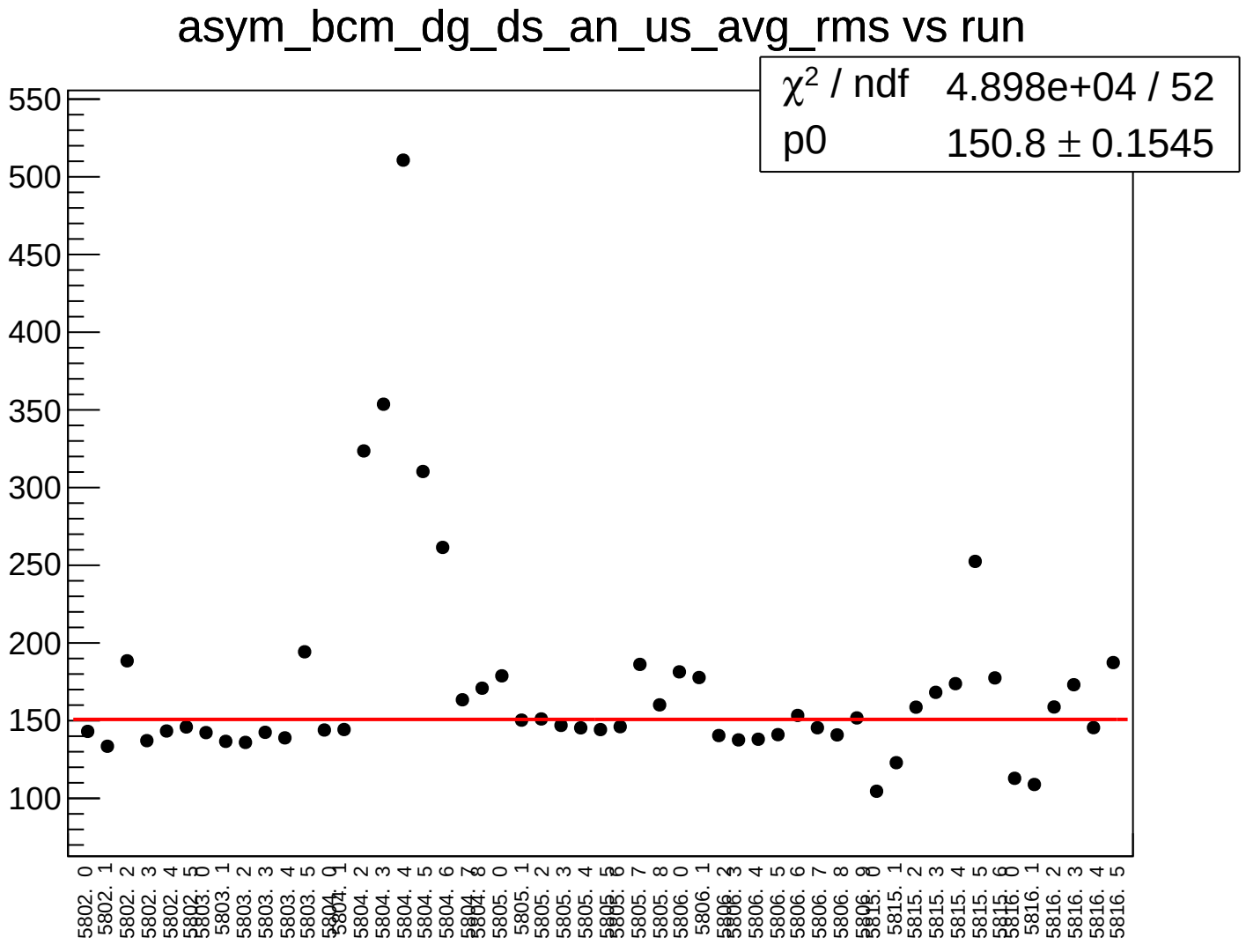

asym_bcm_dg_us_an_us_dd_mean vs run
χ^2 / ndf 57 / 52
p0 30.95 ± 31.71
pull
Entries 53
Mean −164.7
Std Dev 0


pull1D
Entries 53
Mean 0.007471
Std Dev 1.037


asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 93.6 / 52
p0 22.44 ± 0.02242
23.2
23
22.8
22.6
22.4
22.2
22
21.8


asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 41.14 / 52
p0 189.7 ± 218.5
pull
Entries 53
Mean −869.2
Std Dev 0


pull1D
Entries 53
Mean 0.004032
Std Dev 0.8811


asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 4.898e+04 / 52
p0 150.8 ± 0.1545
550
500
450
400
350
300
250
200
150
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
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5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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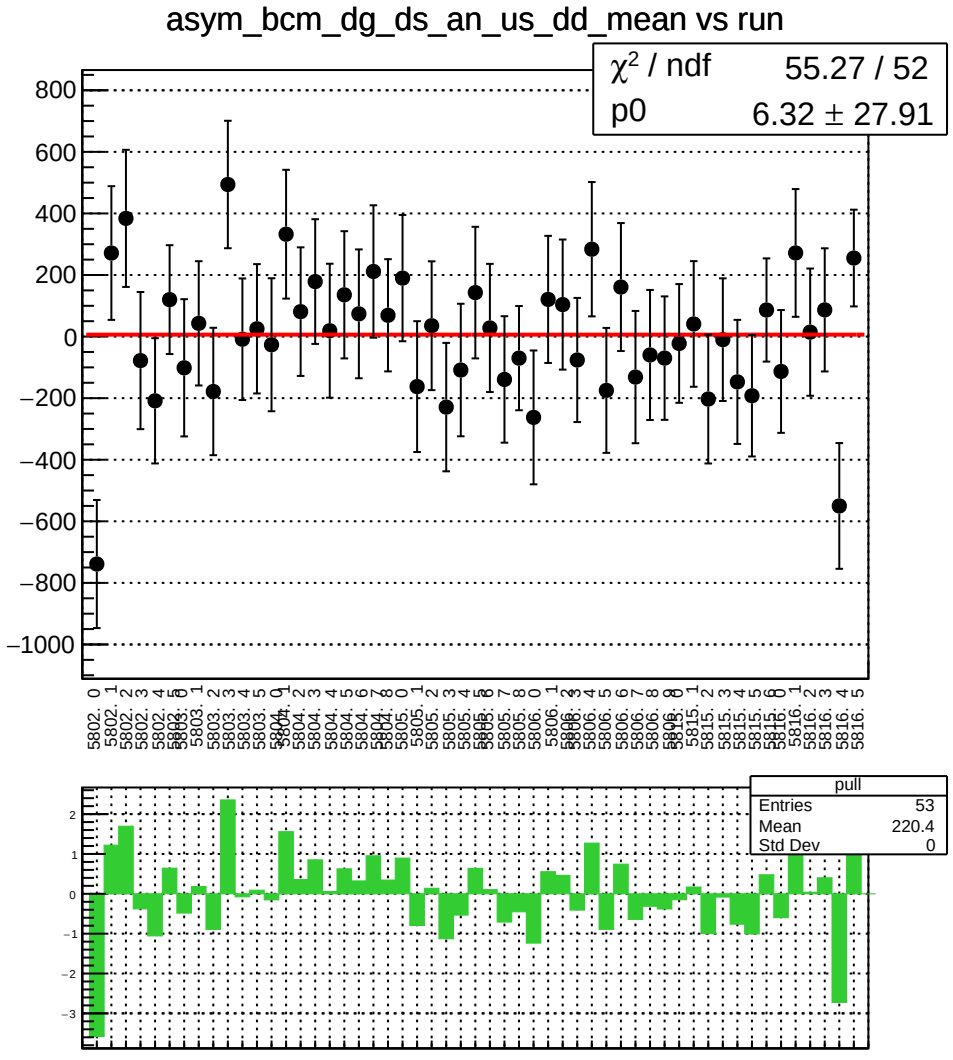
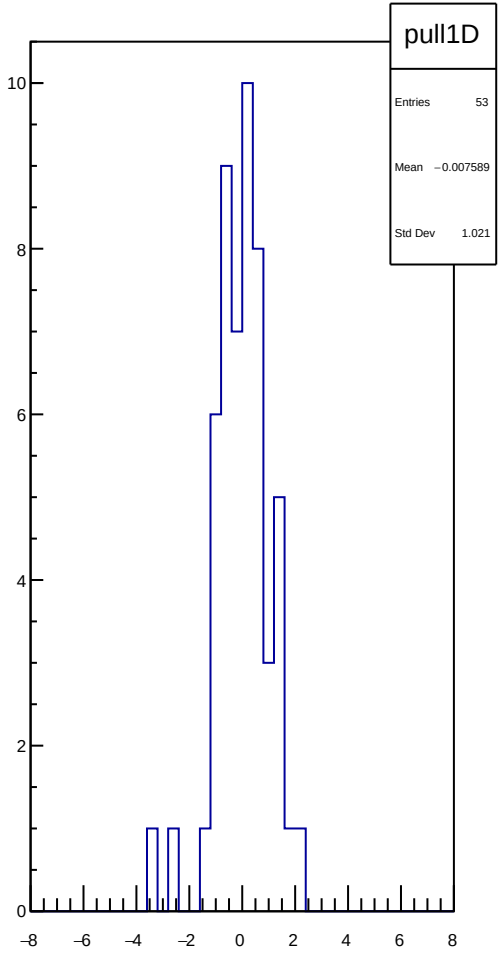
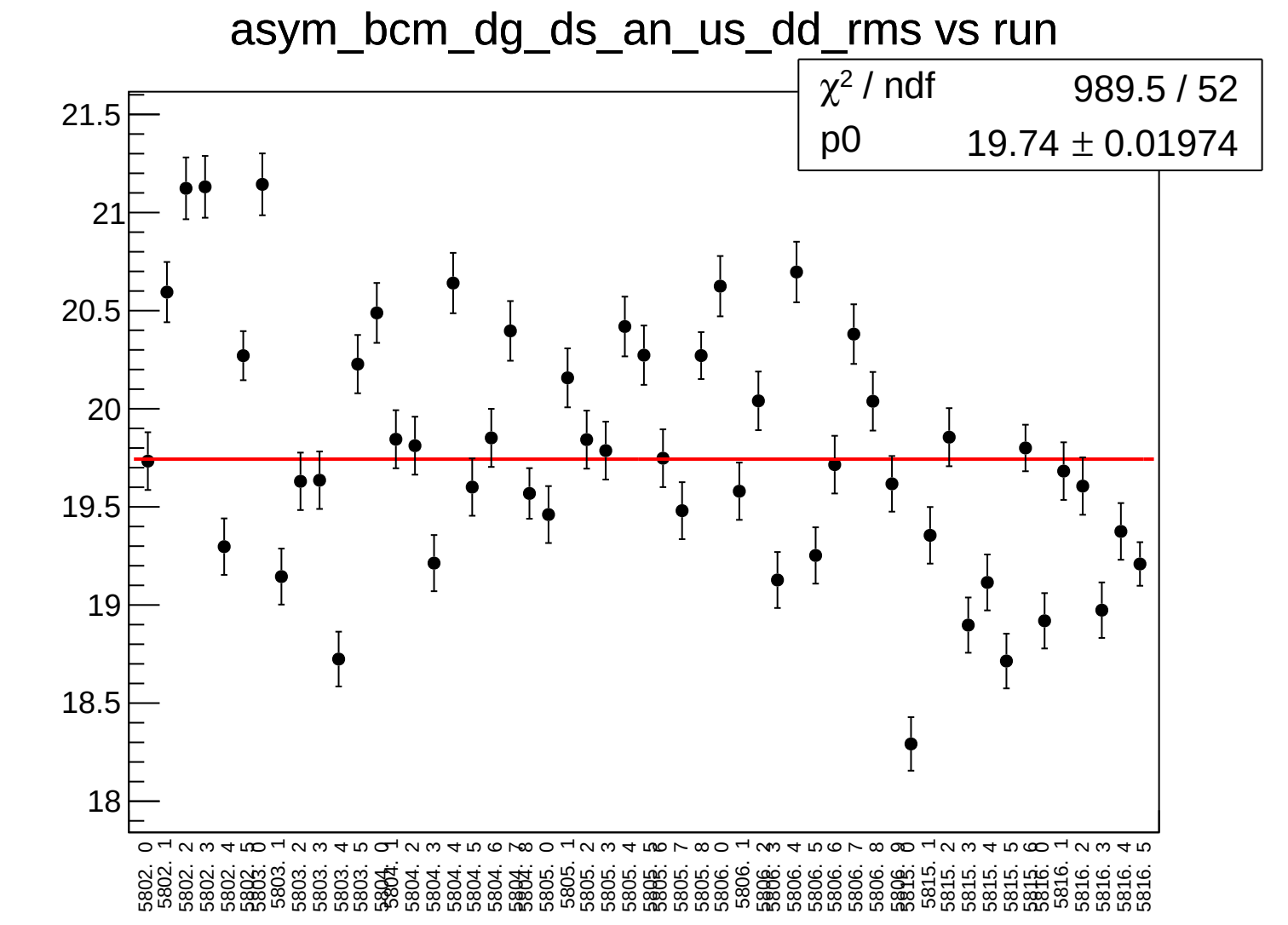
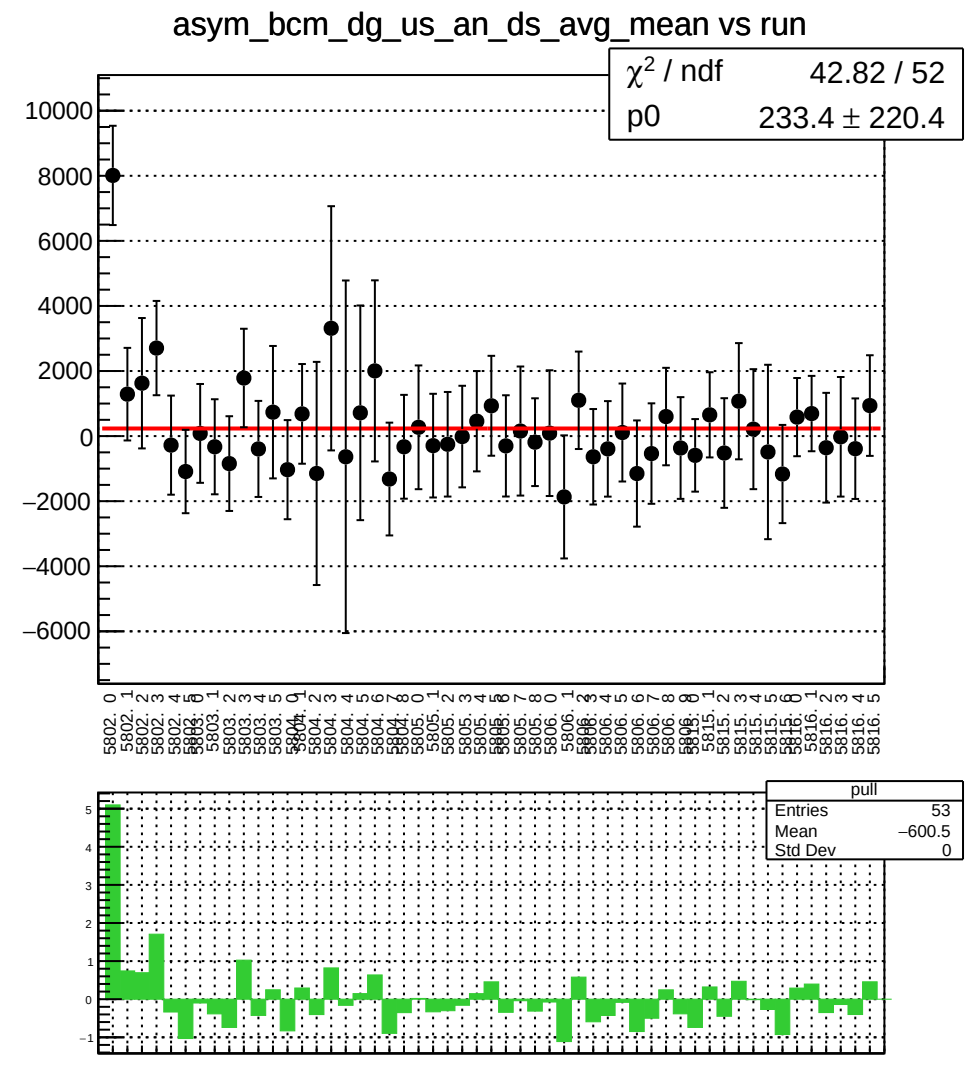
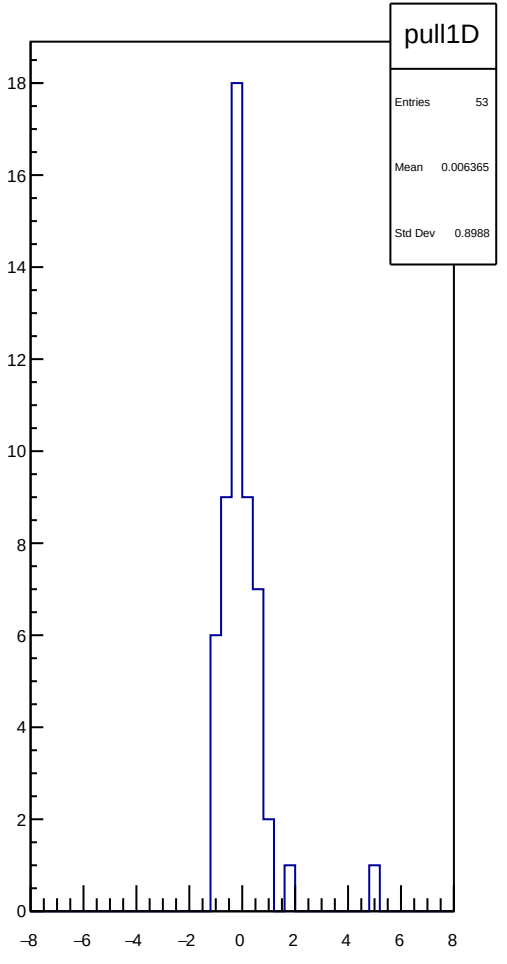
5816. 4
5816. 5

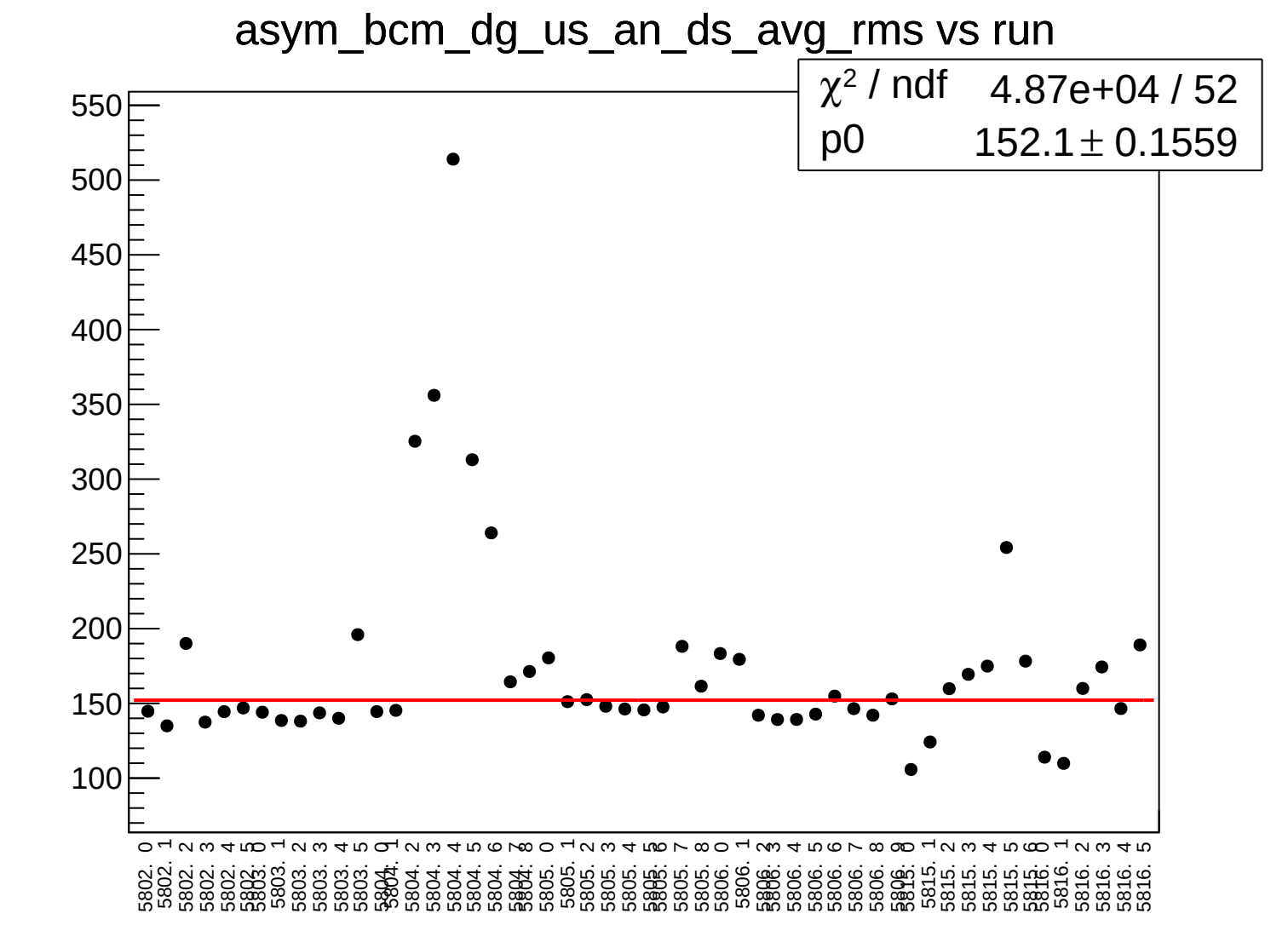

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 55.27 / 52
p0 6.32 ± 27.91
pull
Entries 53
Mean 220.4
Std Dev 0

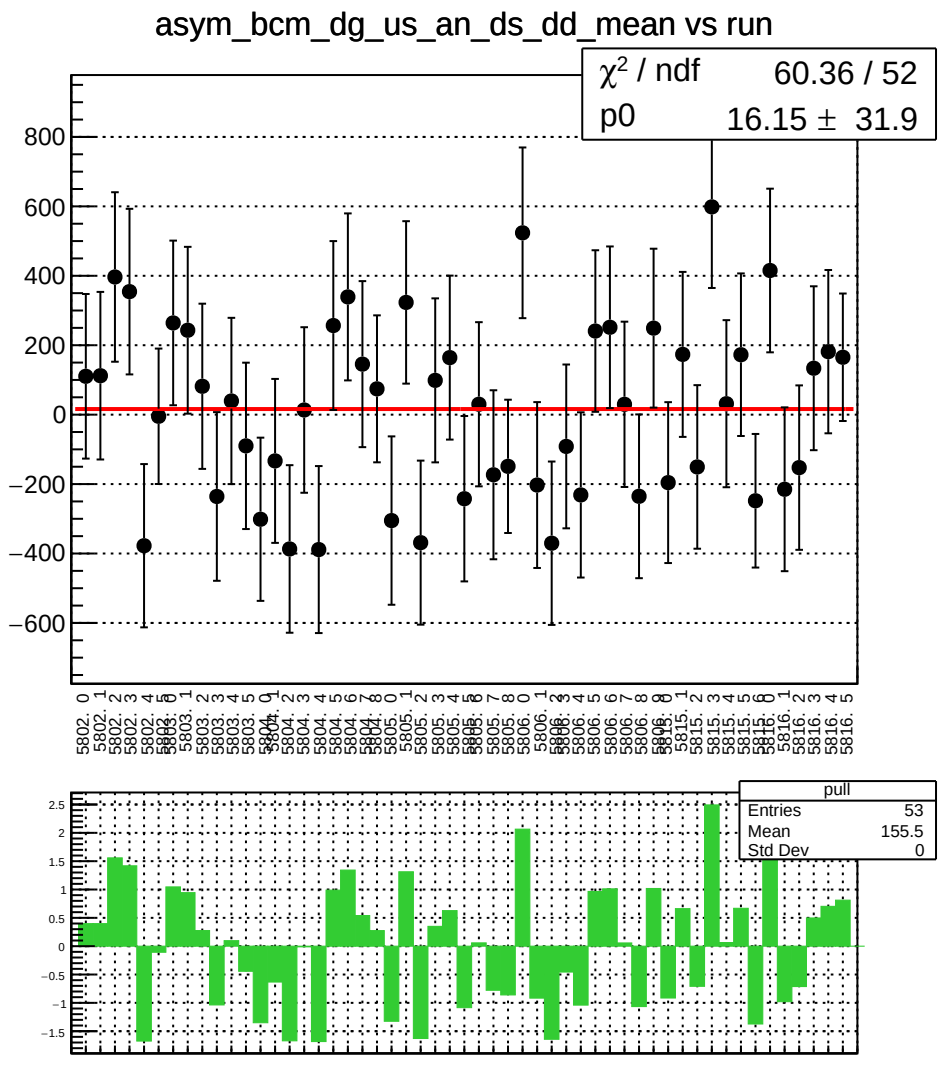

pull1D
Entries 53
Mean −0.007589
Std Dev 1.021

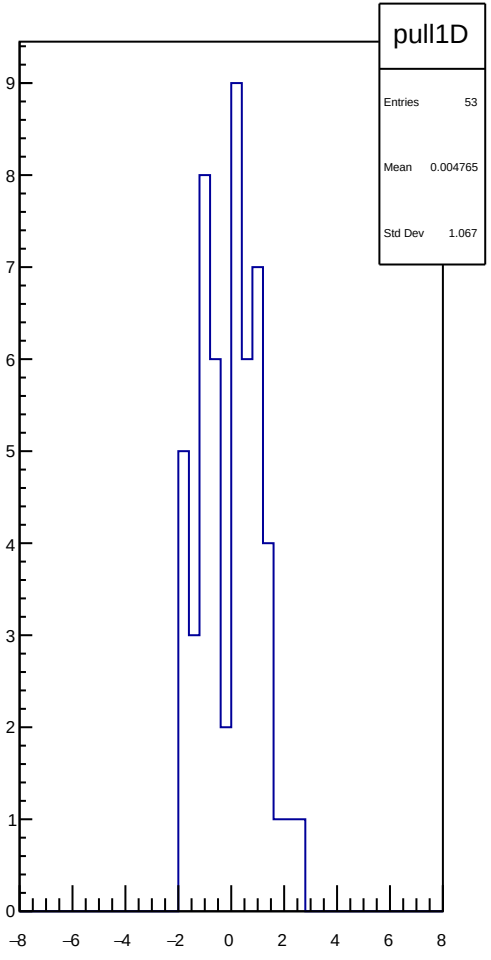

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 989.5 / 52
p0 19.74 ± 0.01974
21.5
21
20.5
20
19.5
19
18.5
18

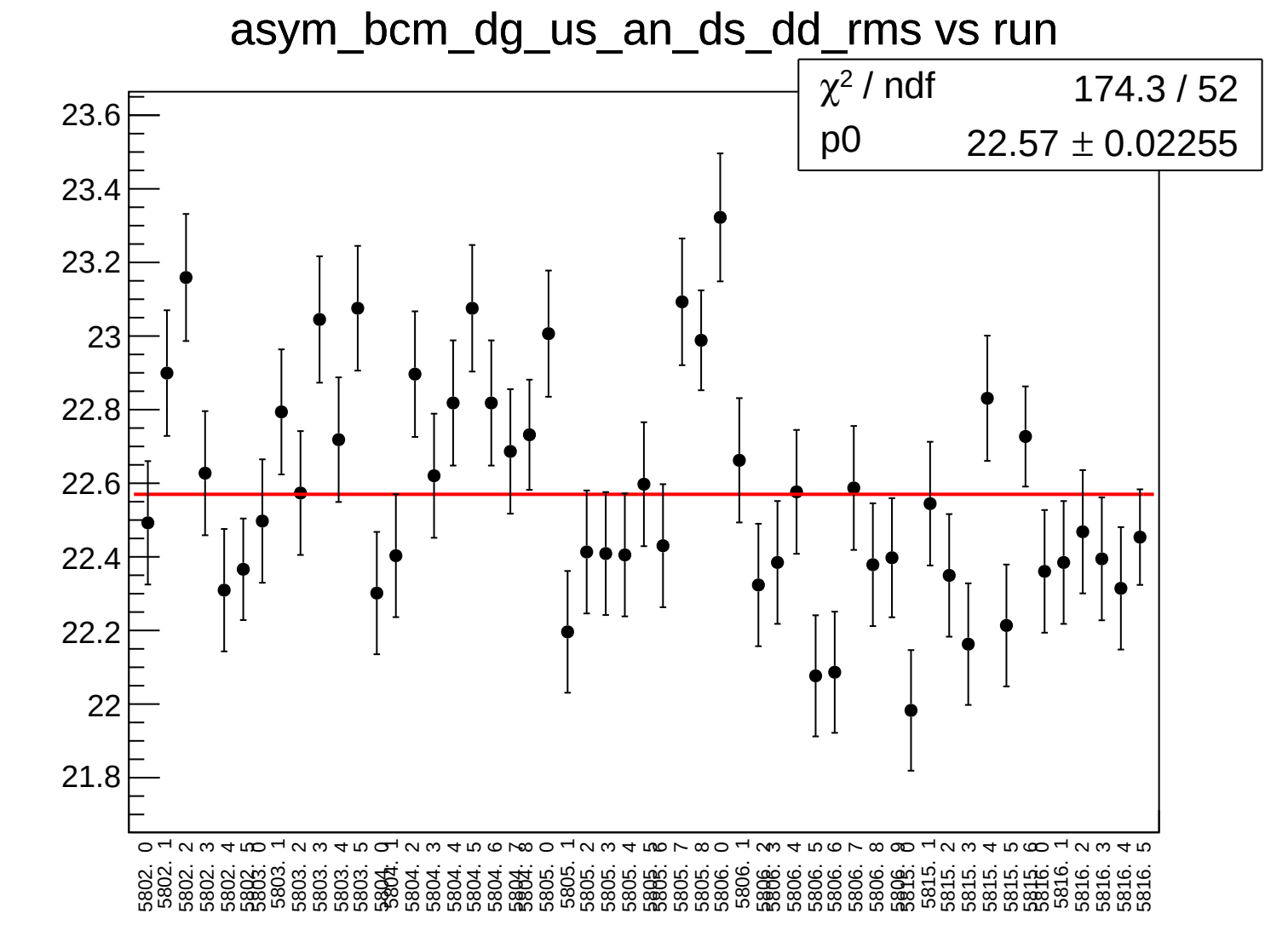

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 42.82 / 52
p0 233.4 ± 220.4
pull
Entries 53
Mean −600.5
Std Dev 0

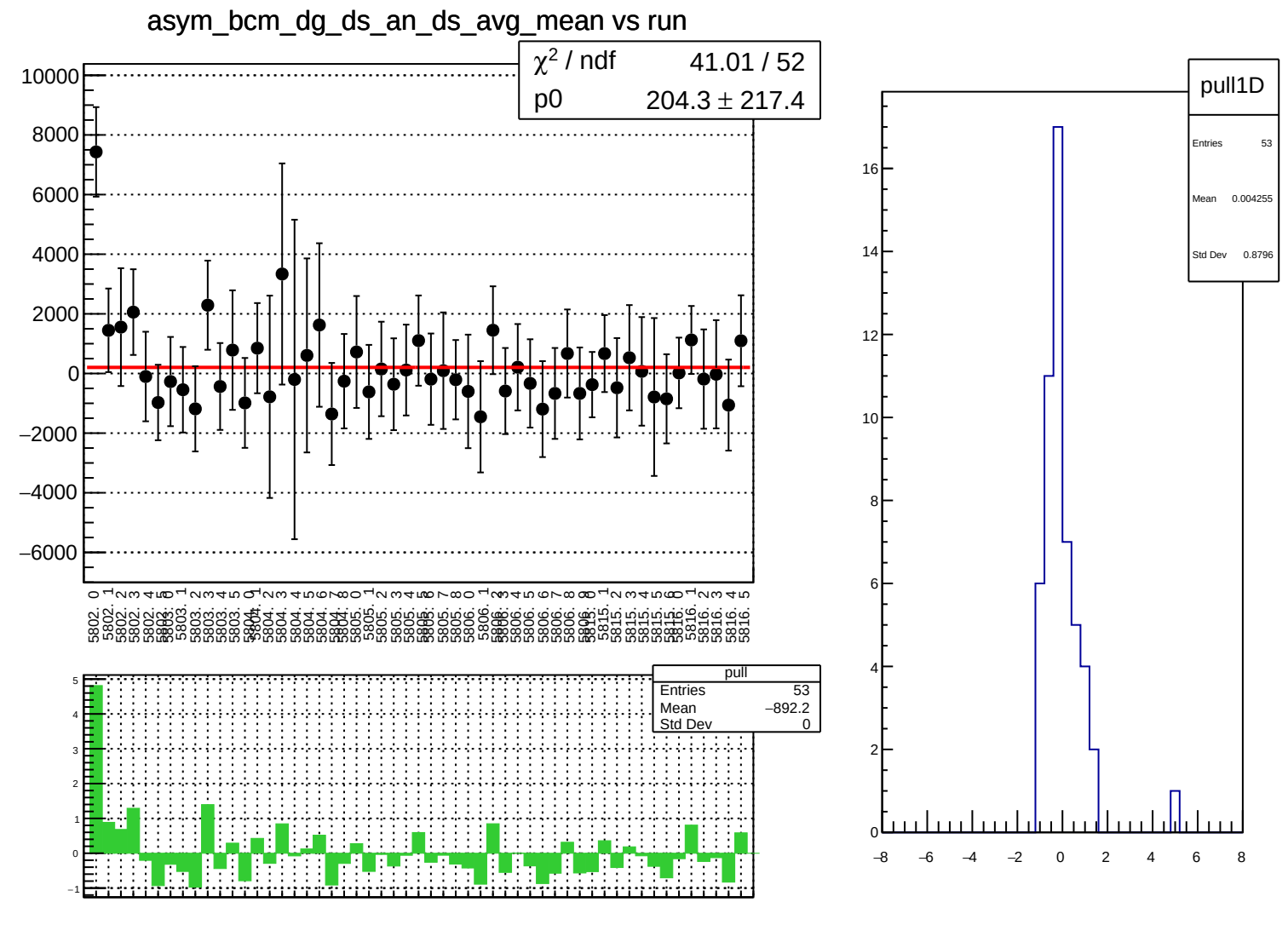

pull1D
Entries 53
Mean 0.006365
Std Dev 0.8988

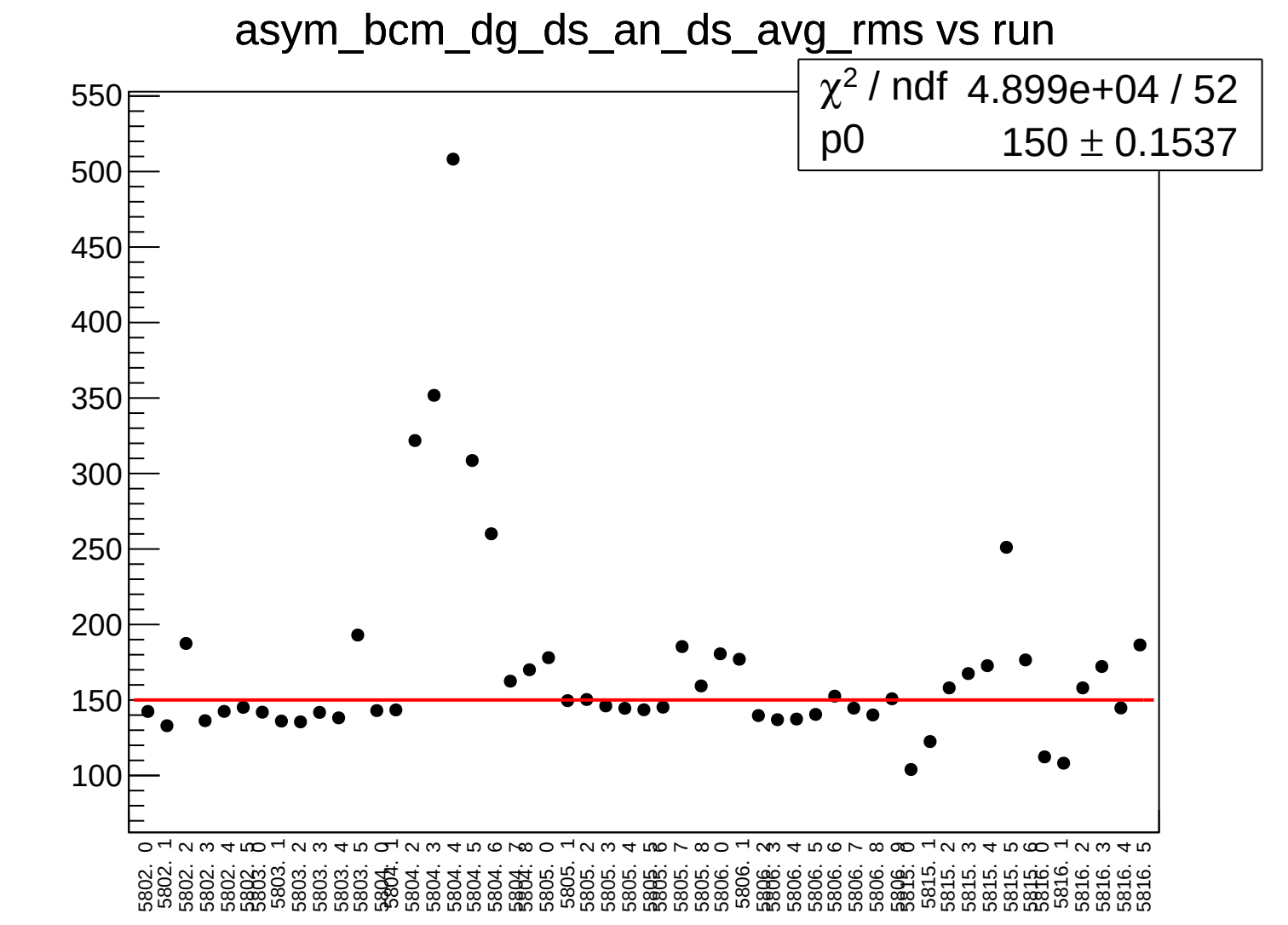

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 4.87e+04 / 52
p0 152.1 ± 0.1559
550
500
450
400
350
300
250
200
150
100

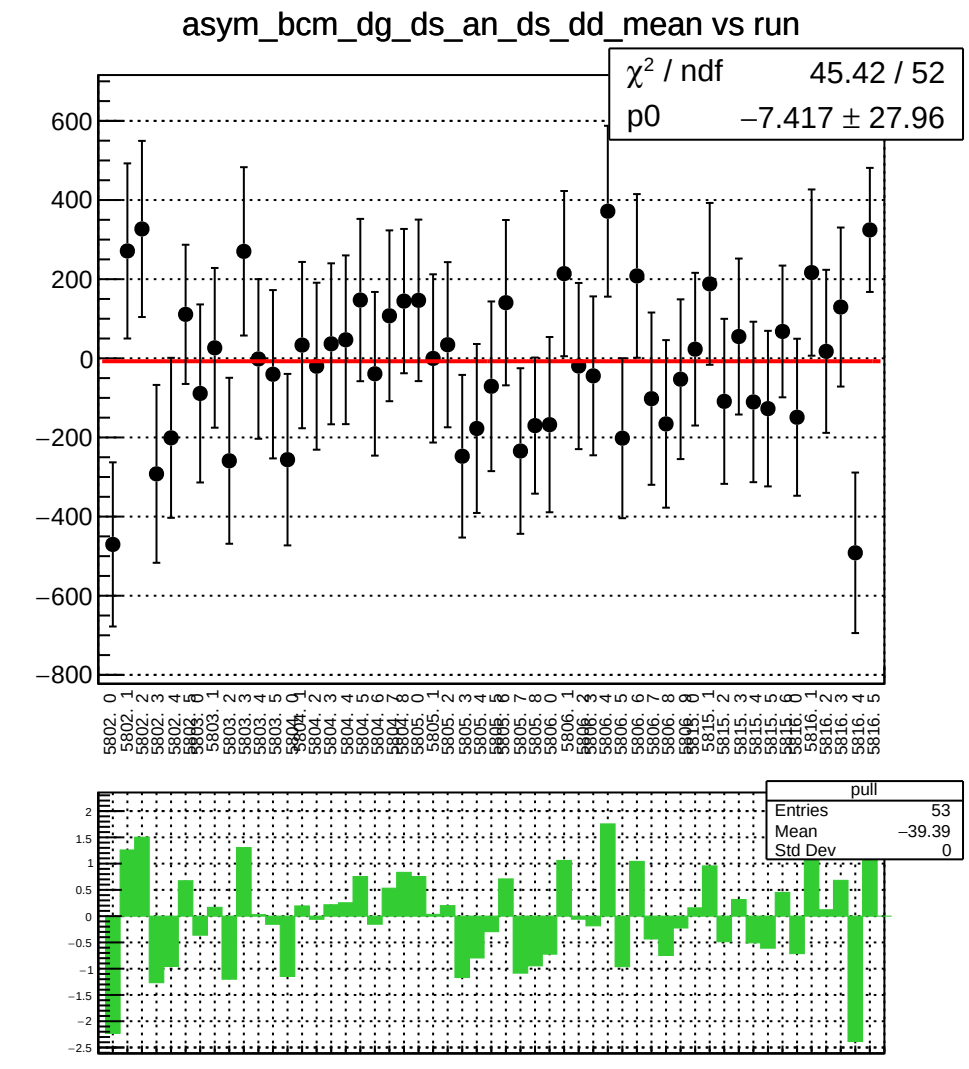

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 60.36 / 52
p0 16.15 ± 31.9
pull
Entries 53
Mean 155.5
Std Dev 0

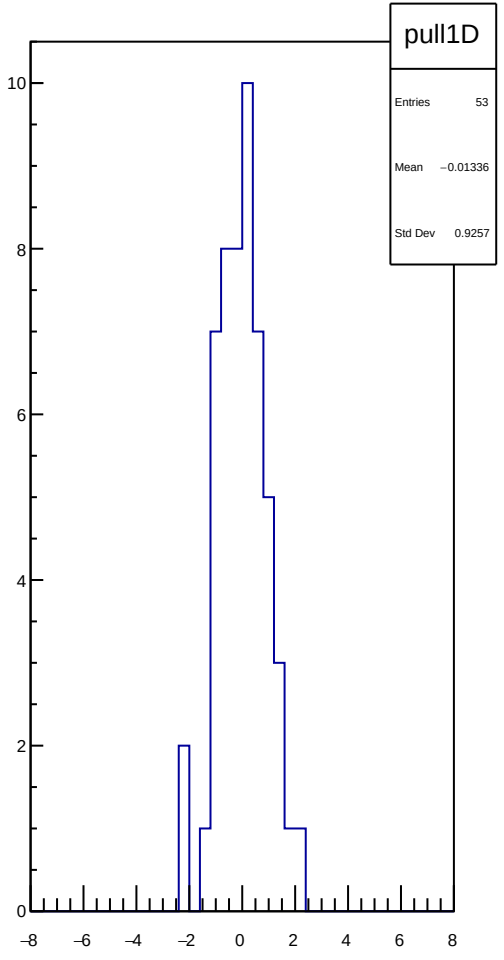

pull1D
Entries 53
Mean 0.004765
Std Dev 1.067

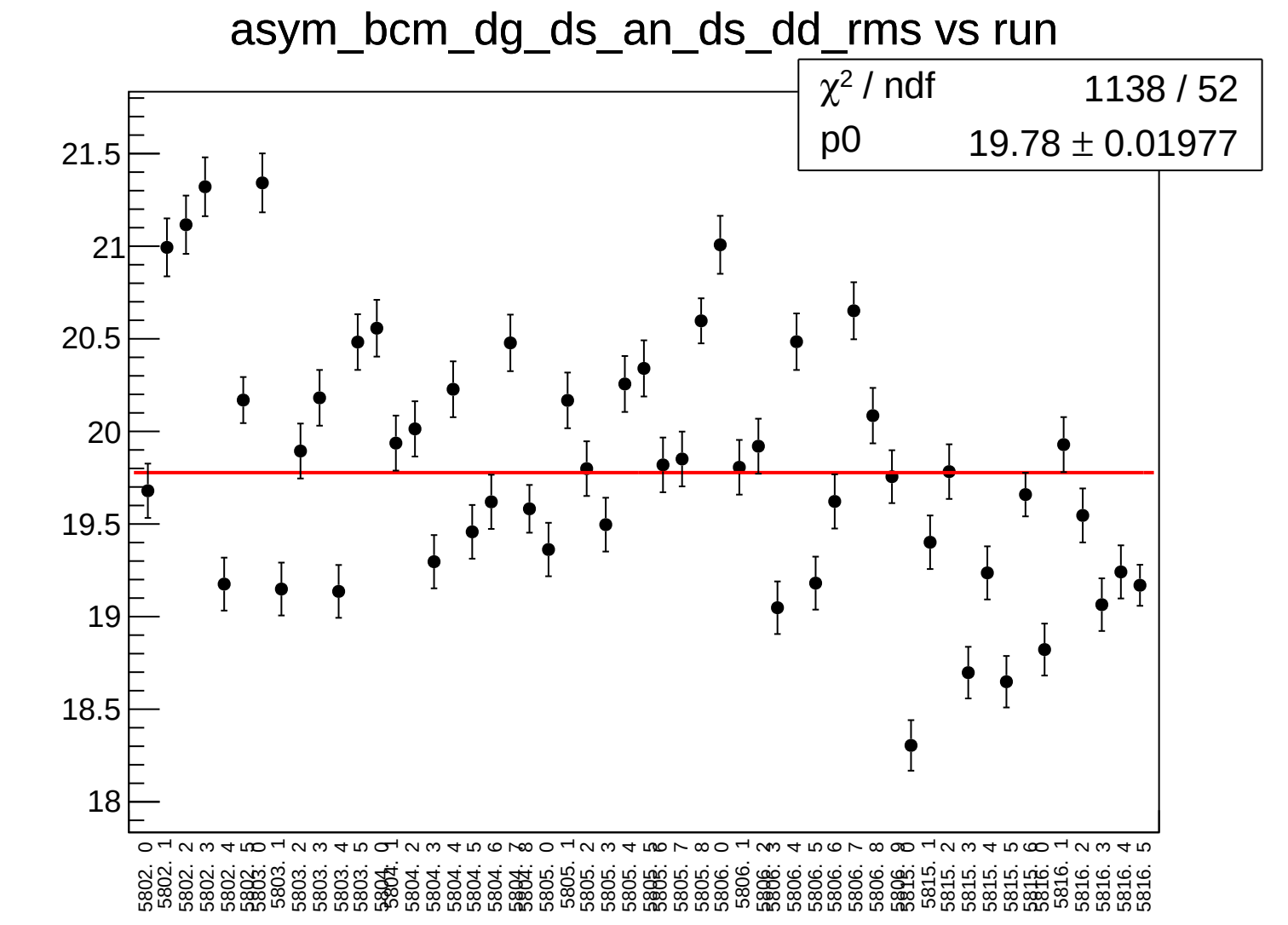

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 174.3 / 52
p0 22.57 ± 0.02255
23.6
23.4
23.2
23
22.8
22.6
22.4
22.2
22
21.8

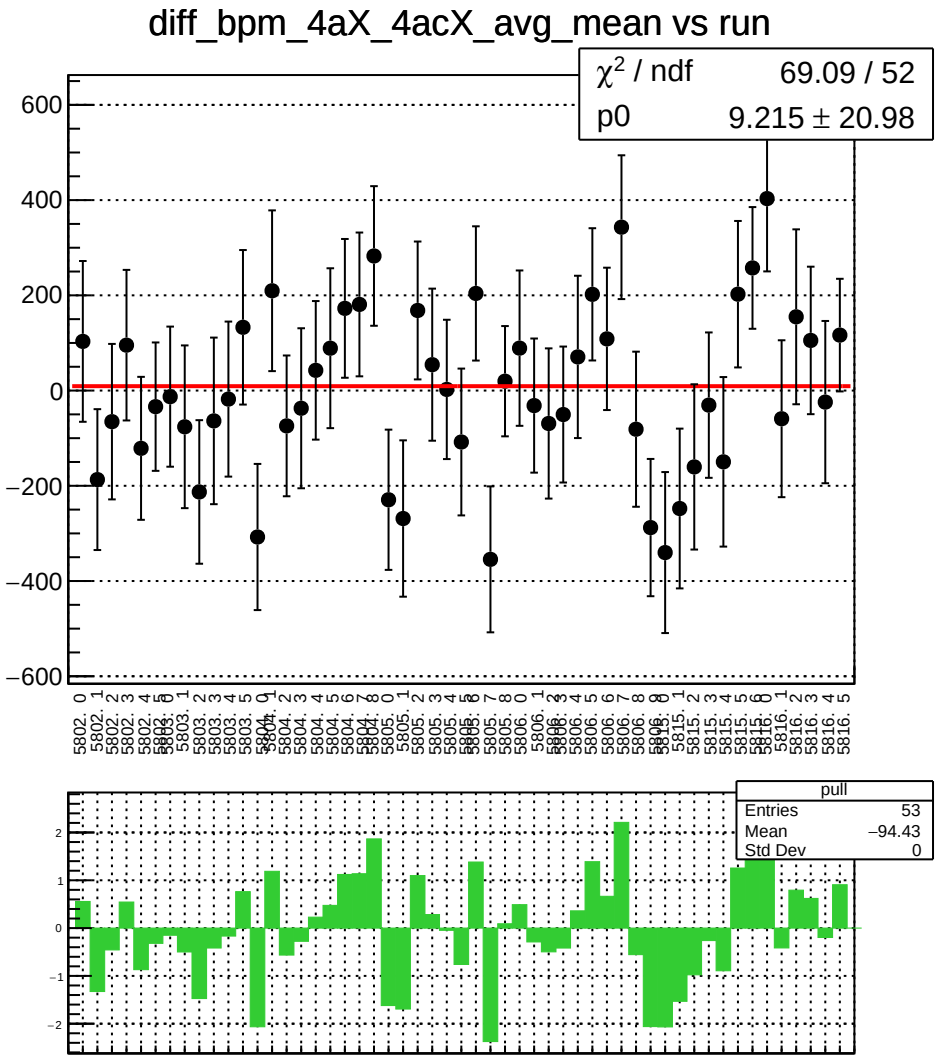

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 41.01 / 52
p0 204.3 ± 217.4
pull
Entries 53
Mean −892.2
Std Dev 0
pull1D
Entries 53
Mean 0.004255
Std Dev 0.8796

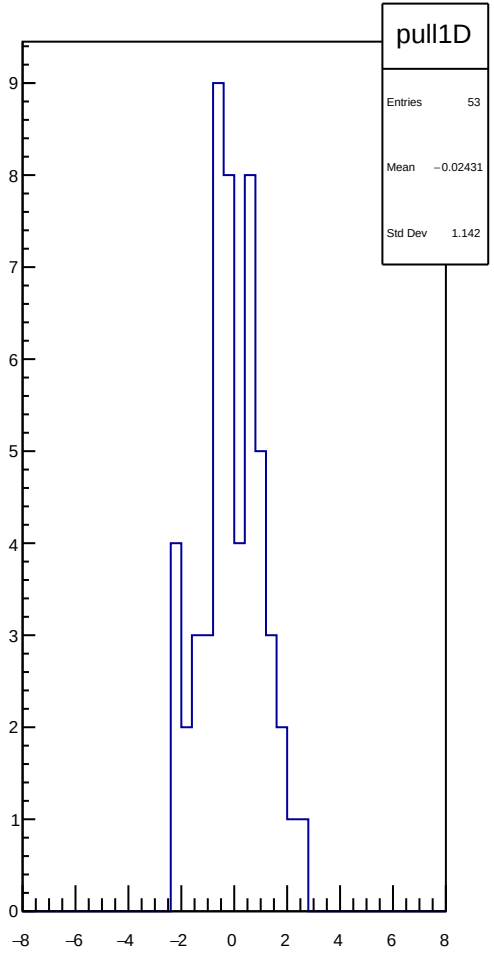

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 4.899e+04 / 52
p0 150 ± 0.1537
550
500
450
400
350
300
250
200
150
100

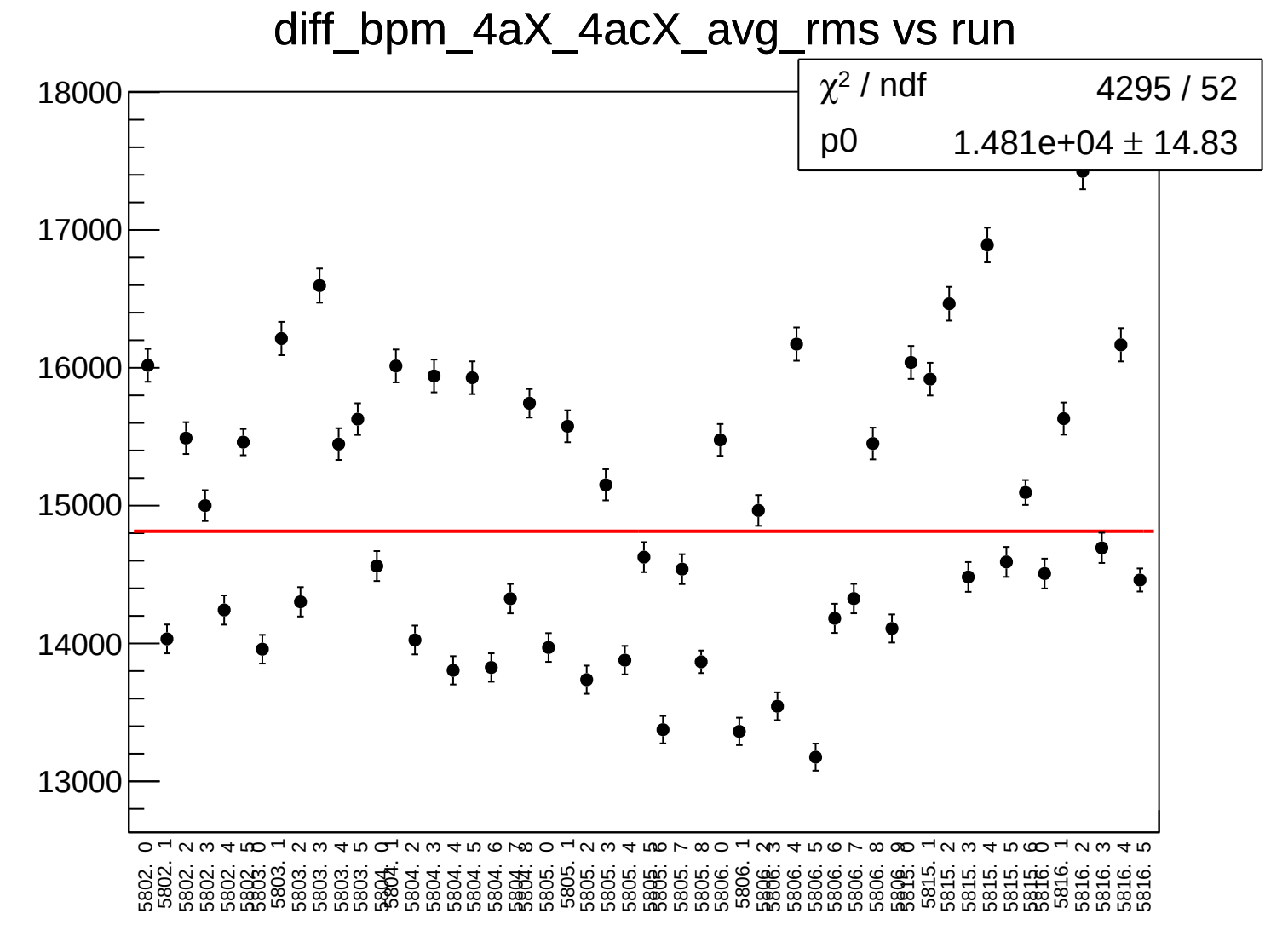

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 45.42 / 52
p0 −7.417 ± 27.96
pull
Entries 53
Mean −39.39
Std Dev 0

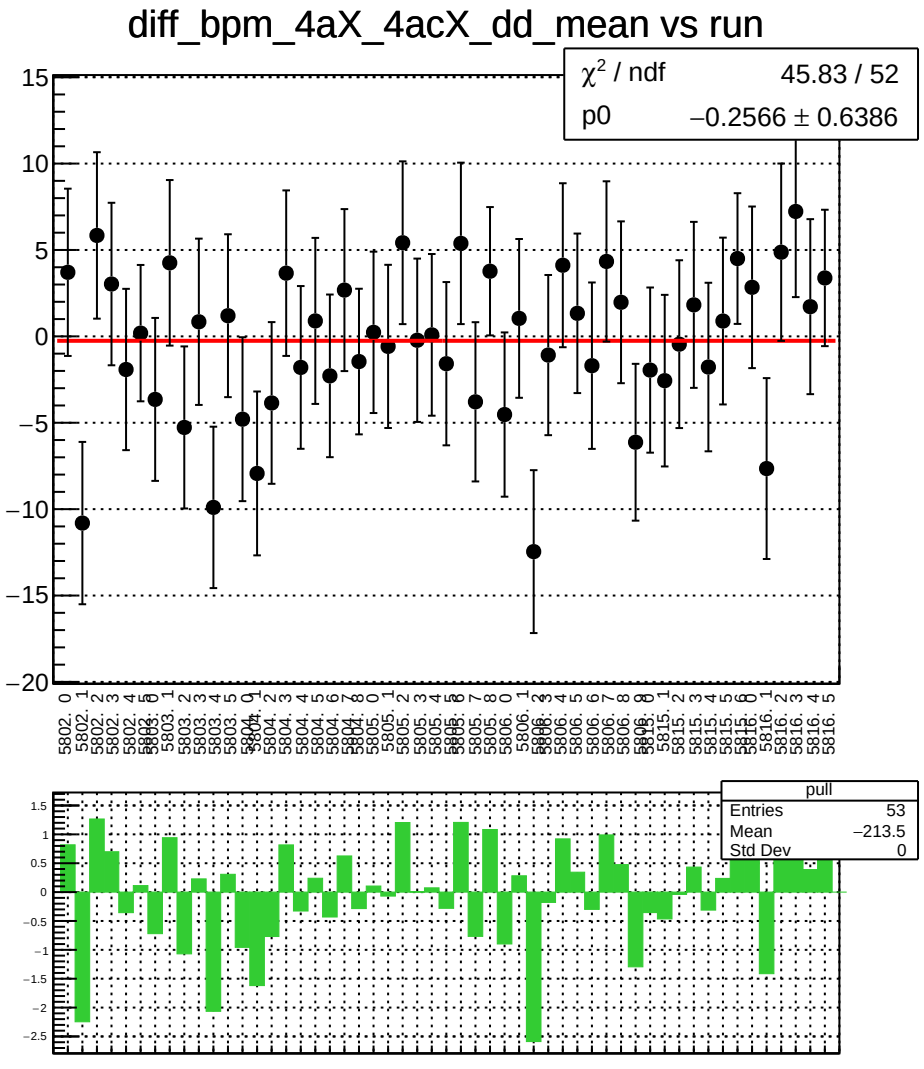

pull1D
Entries 53
Mean −0.01336
Std Dev 0.9257

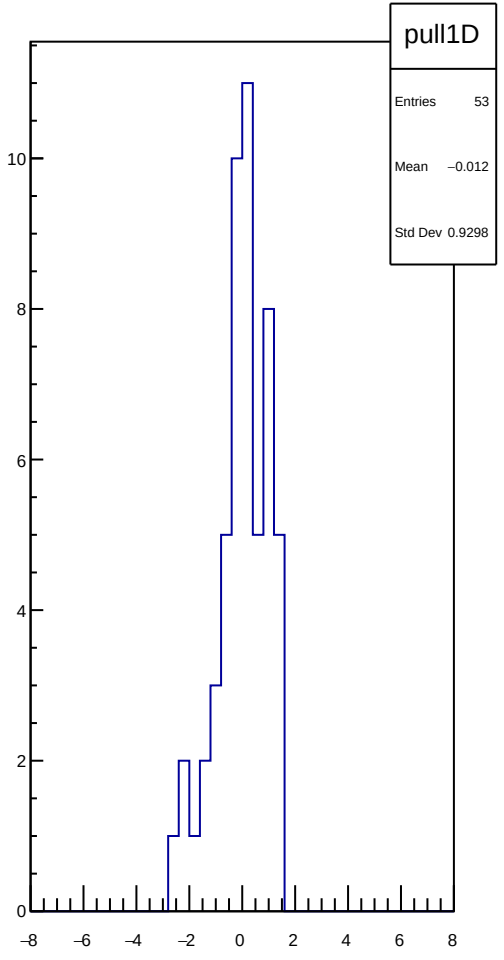

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1138 / 52
p0 19.78 ± 0.01977
21.5
21
20.5
20
19.5
19
18.5
18

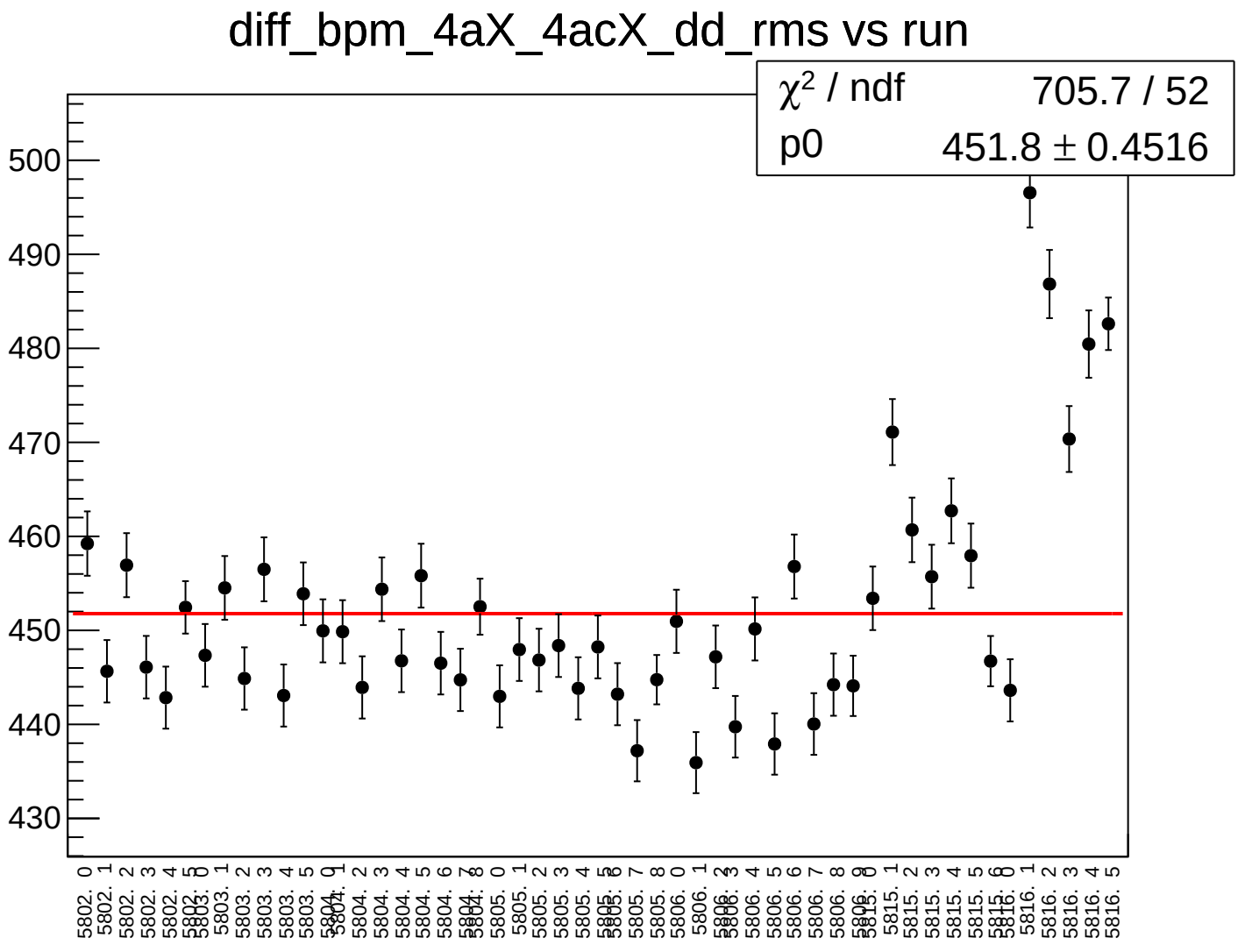

diff_bpm_4aX_4acX_avg_mean vs run
χ^2 / ndf 69.09 / 52
p0 9.215 ± 20.98
pull
Entries 53
Mean −94.43
Std Dev 0

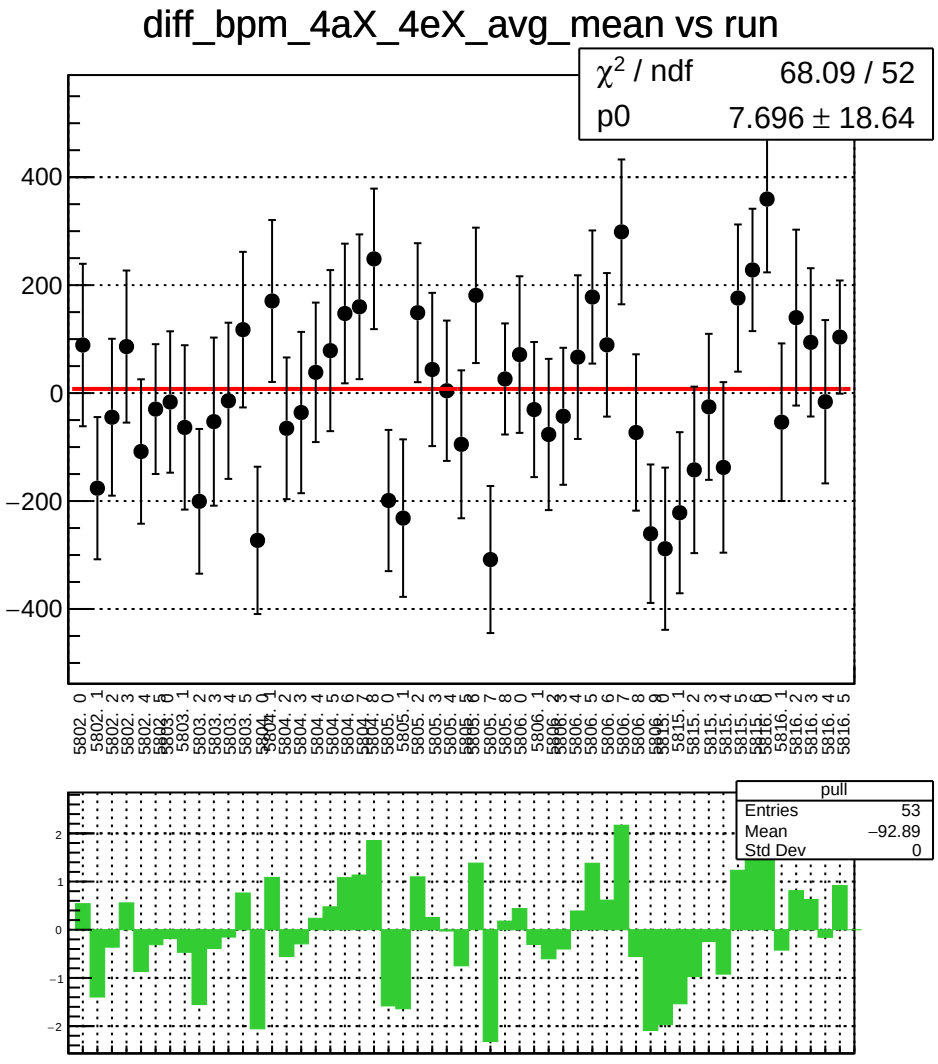

pull1D
Entries 53
Mean −0.02431
Std Dev 1.142

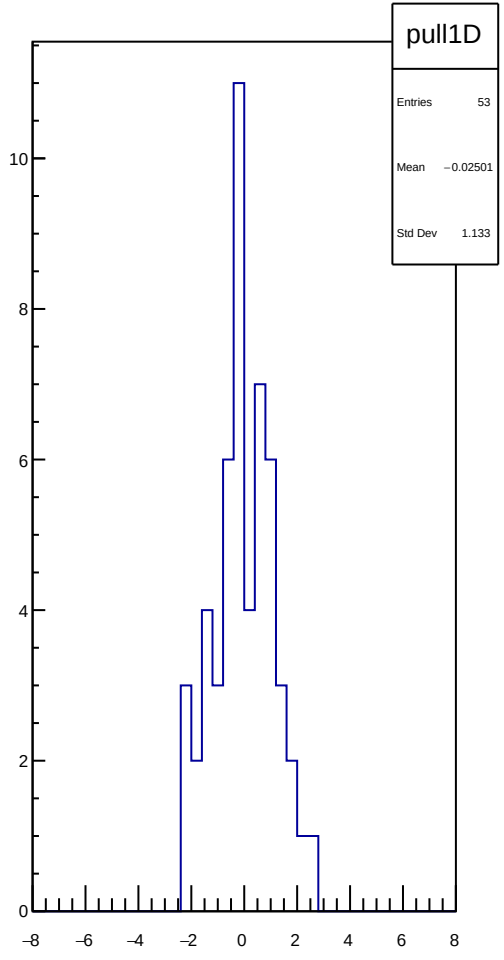

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4295 / 52
p0 1.481e+04 ± 14.83
18000
17000
16000
15000
14000
13000

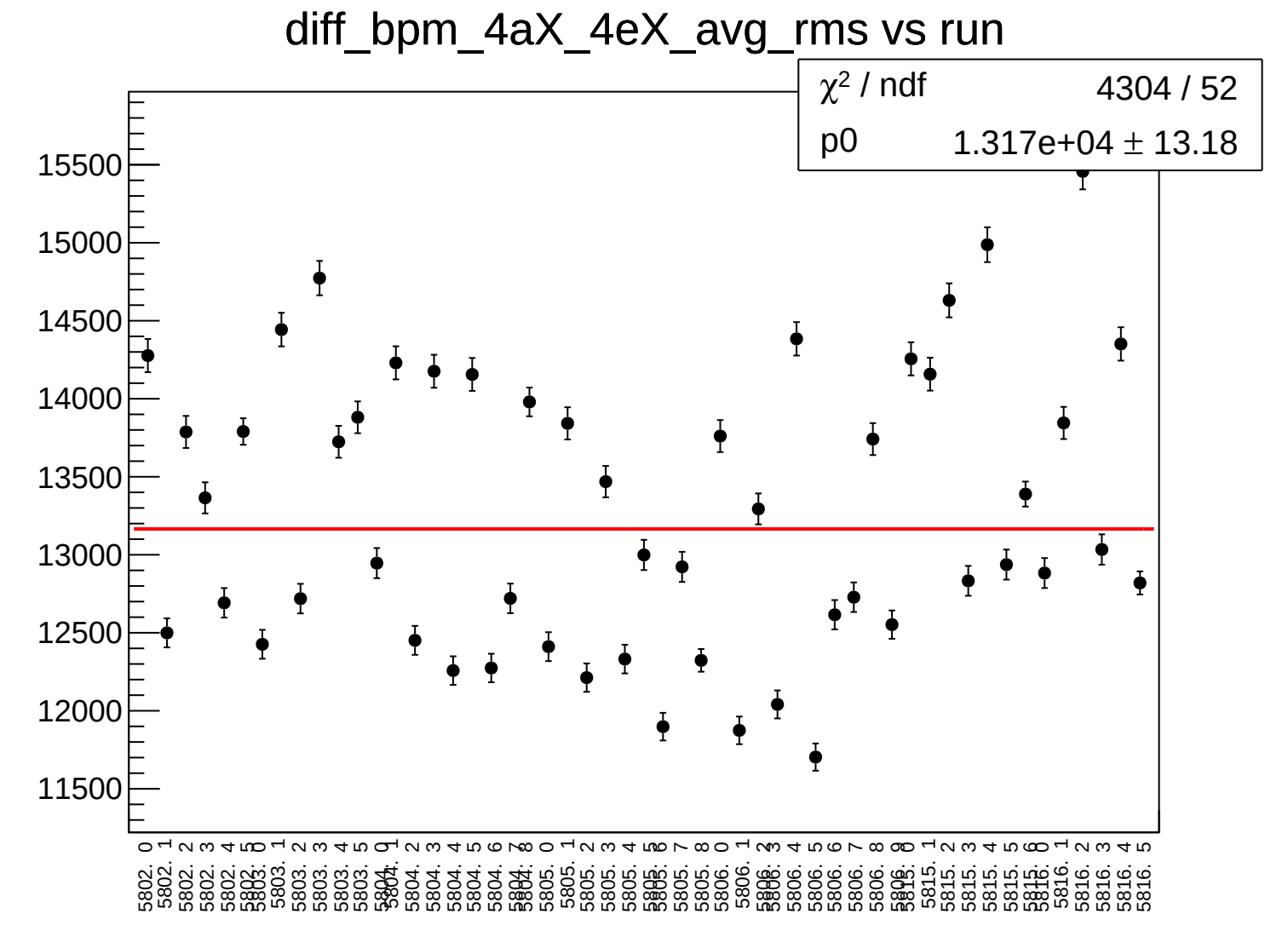

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 45.83 / 52
p0 −0.2566 ± 0.6386
pull
Entries 53
Mean −213.5
Std Dev 0

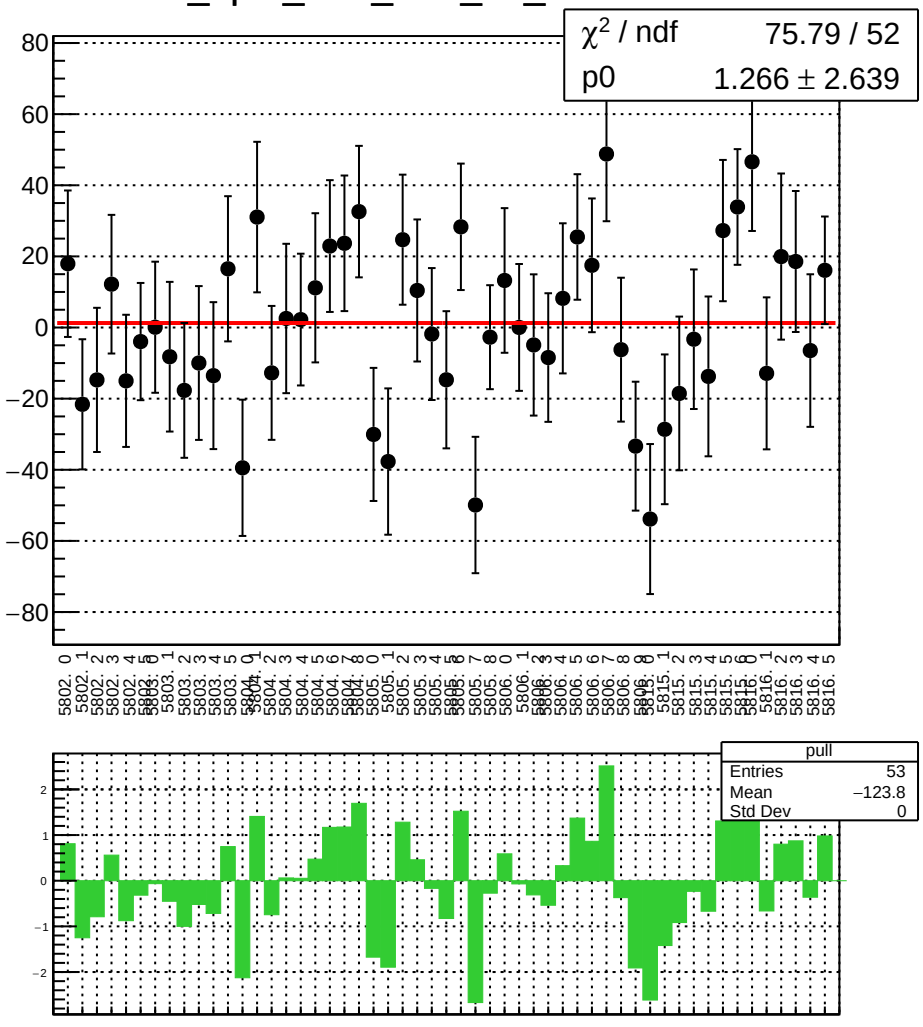

pull1D
Entries 53
Mean −0.012
Std Dev 0.9298

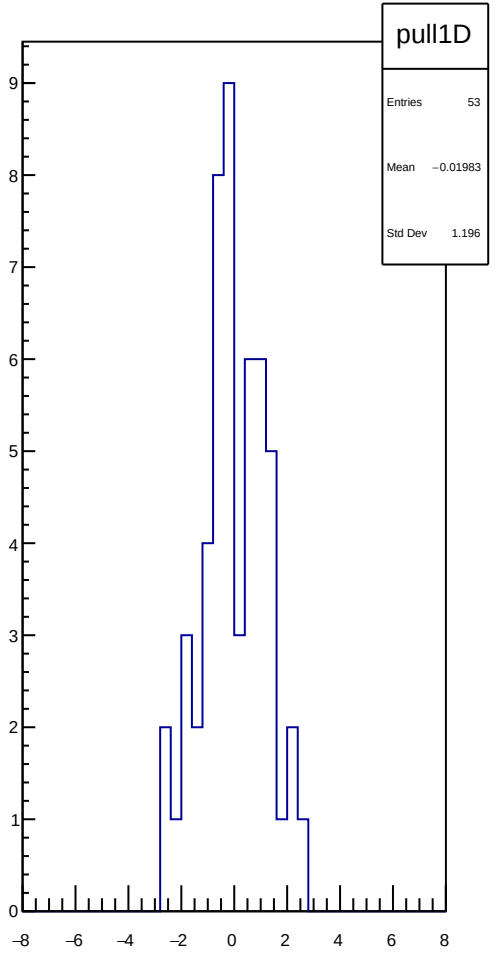

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 705.7 / 52
p0 451.8 ± 0.4516
500
490
480
470
460
450
440
430

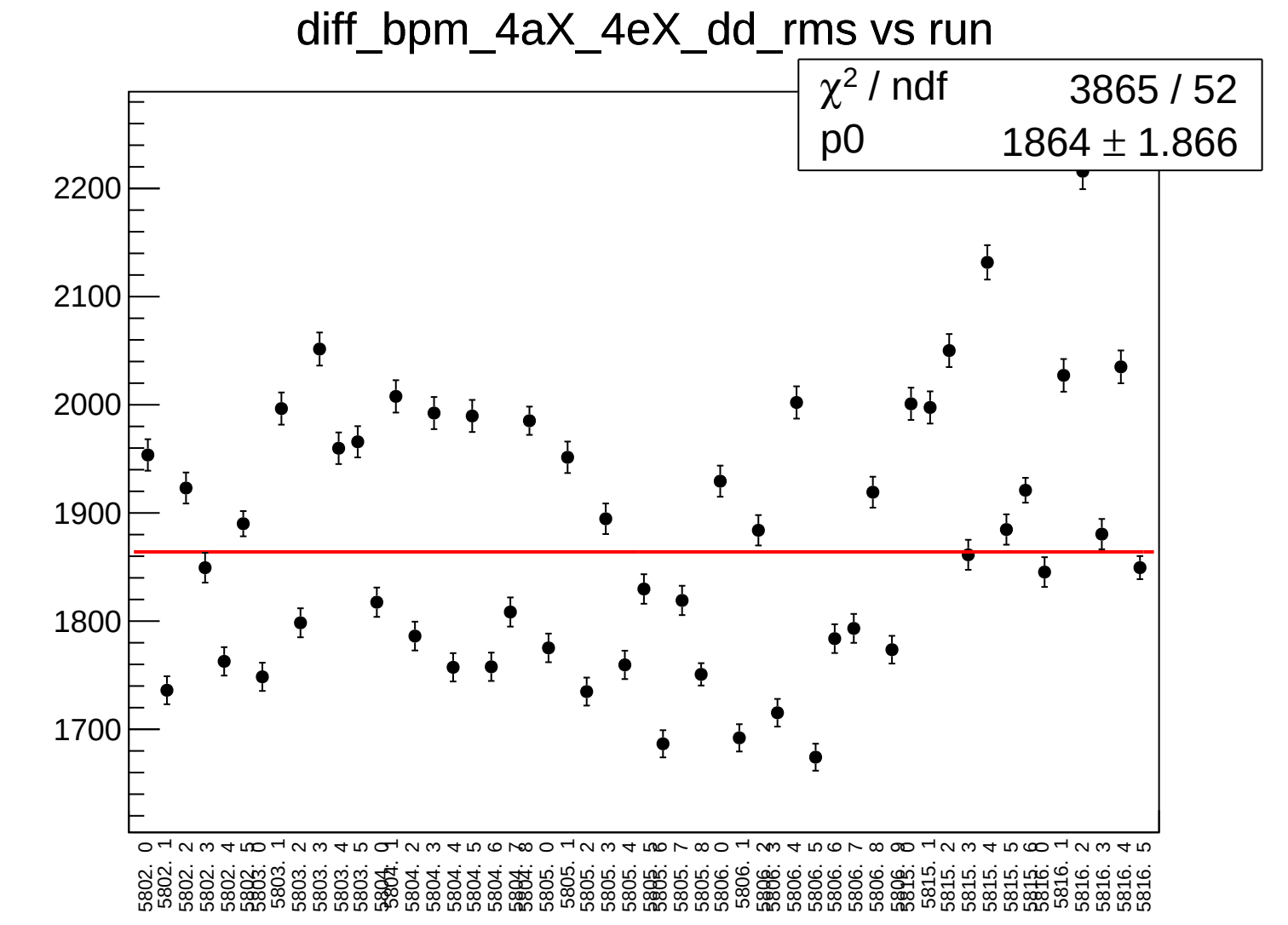

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 68.09 / 52
p0 7.696 ± 18.64
400
200
0
−200
−400
pull
Entries 53
Mean −92.89
Std Dev 0
2
1
0
−1
−2

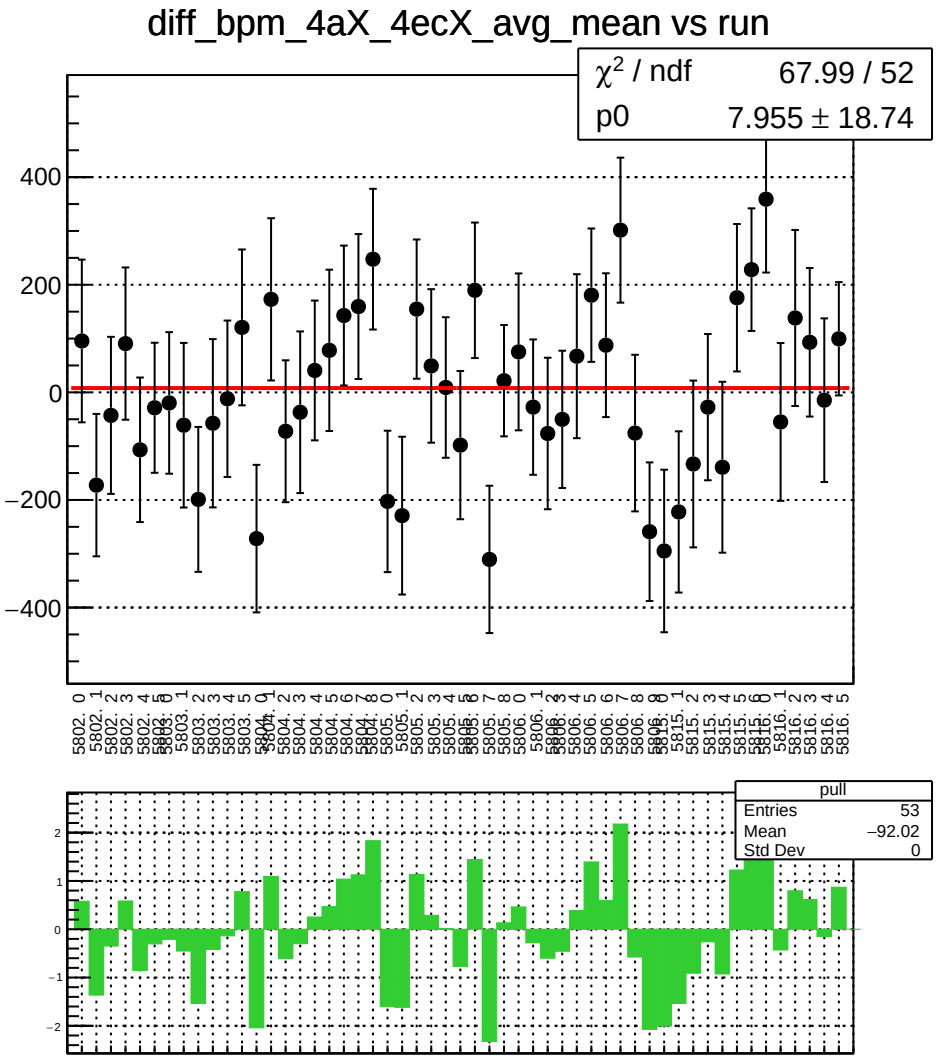

pull1D
Entries 53
Mean −0.02501
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

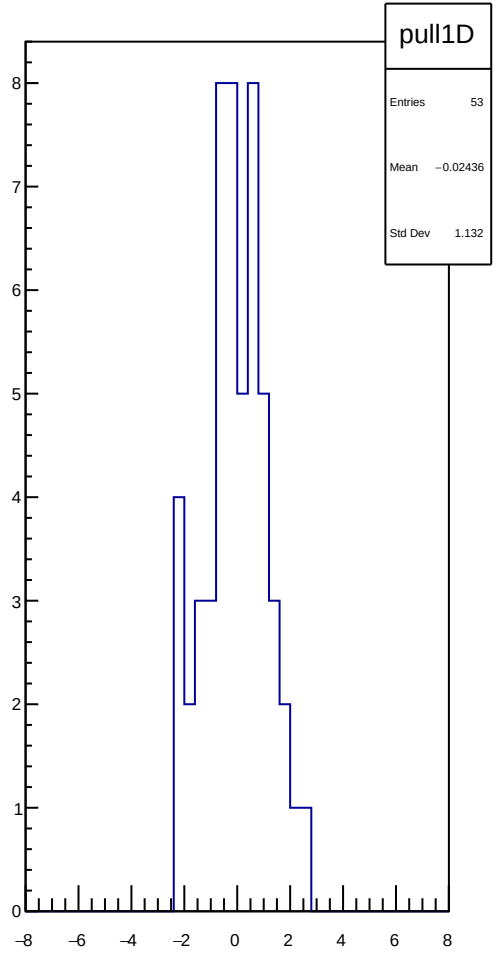

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 4304 / 52
p0 1.317e+04 ± 13.18
15500
15000
14500
14000
13500
13000
12500
12000
11500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

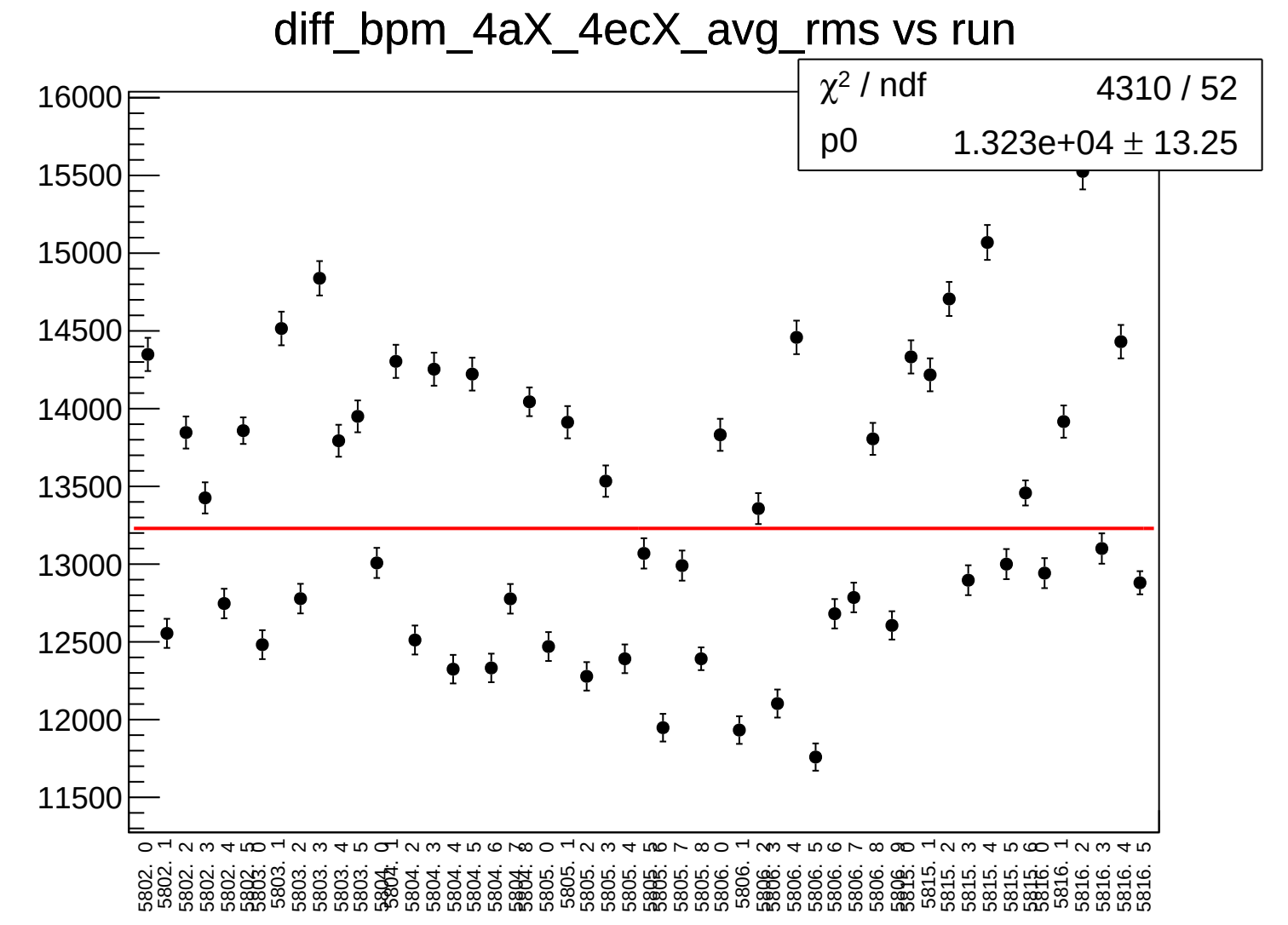

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 75.79 / 52
p0 1.266 ± 2.639
pull
Entries 53
Mean −123.8
Std Dev 0

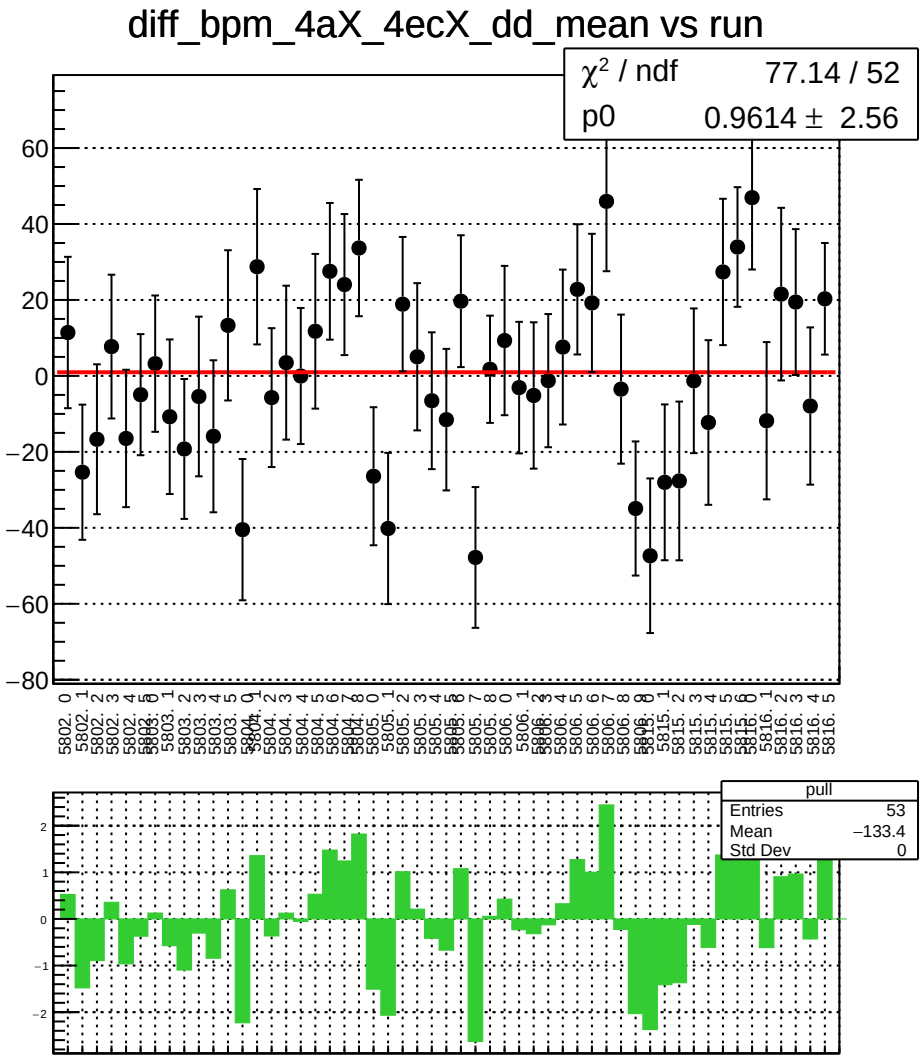

pull1D
Entries 53
Mean −0.01983
Std Dev 1.196

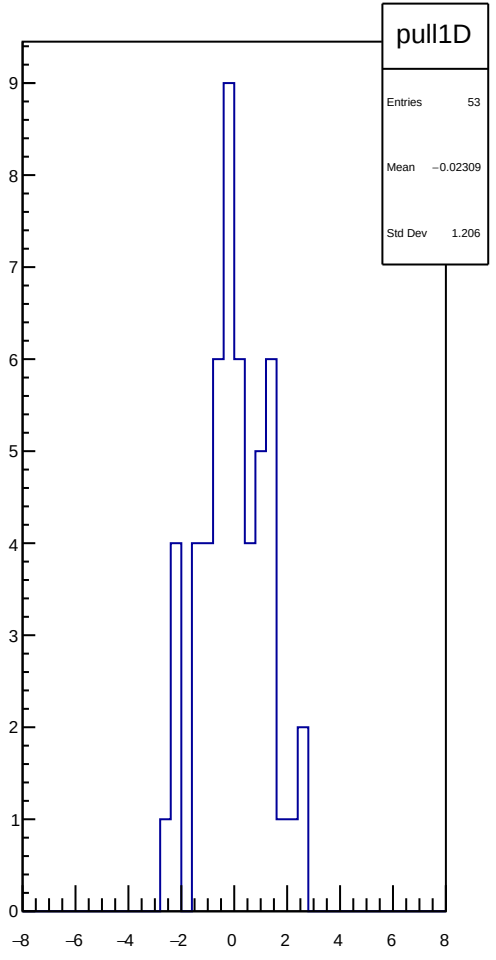

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3865 / 52
p0 1864 ± 1.866
2200
2100
2000
1900
1800
1700

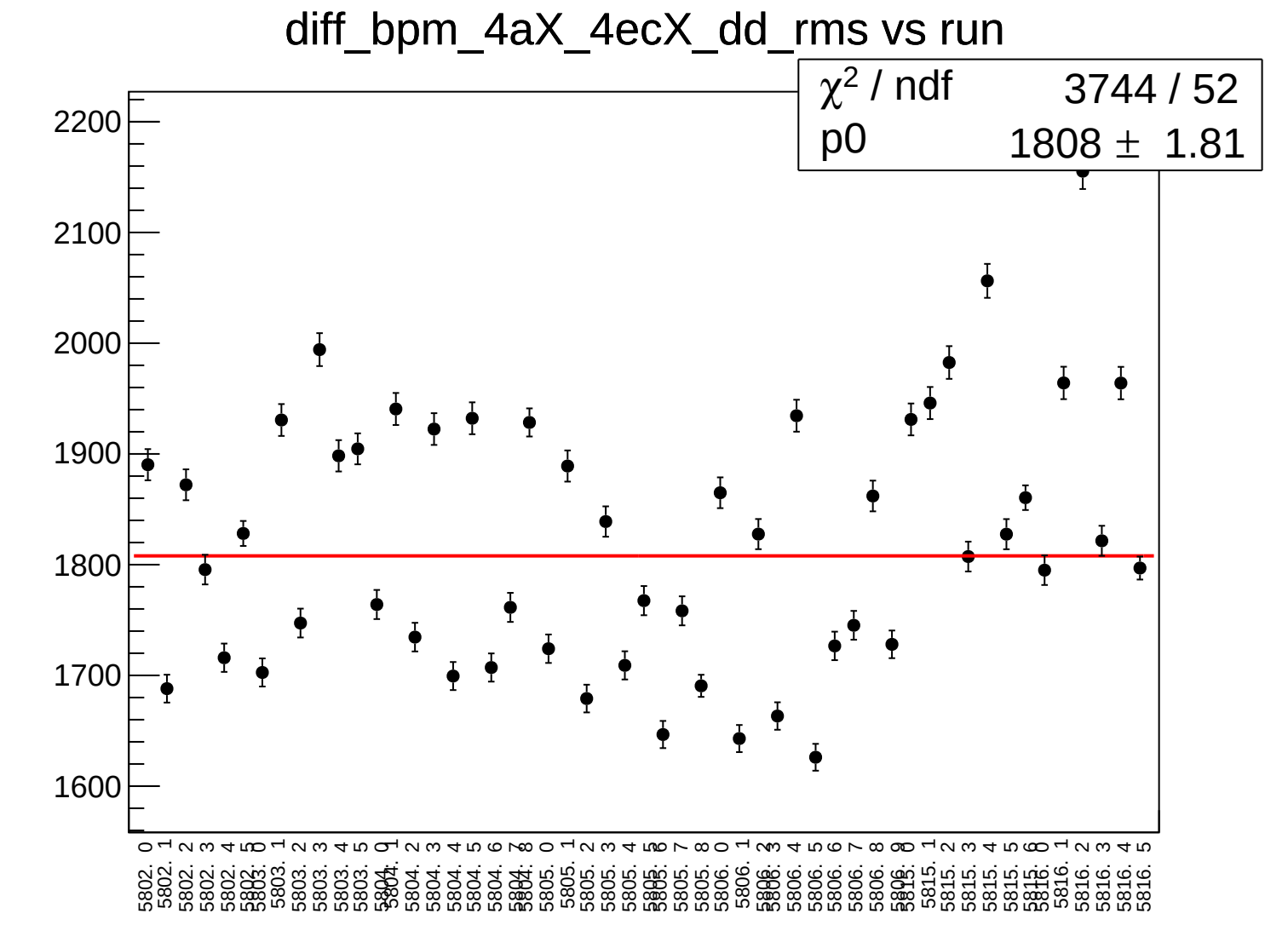

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 67.99 / 52
p0 7.955 ± 18.74
400
200
0
−200
−400
pull
Entries 53
Mean −92.02
Std Dev 0
2
1
0
−1
−2

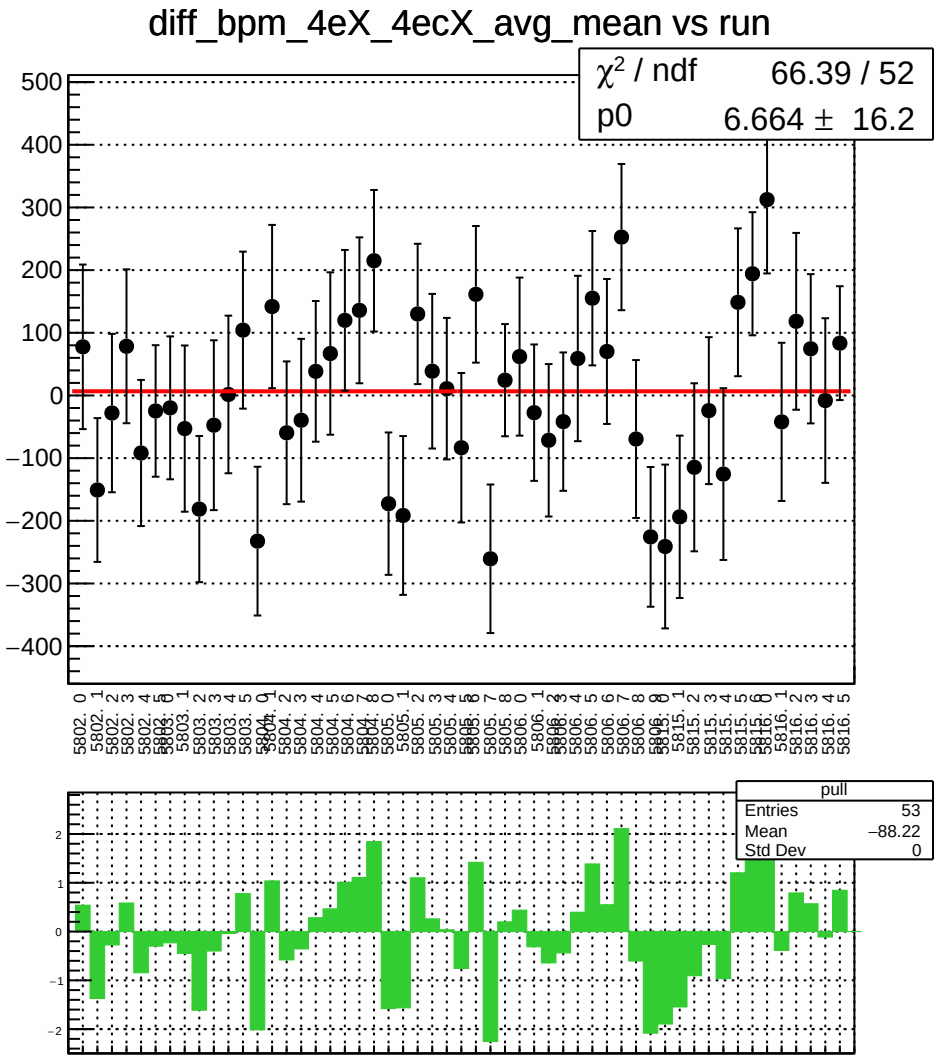

pull1D
Entries 53
Mean −0.02436
Std Dev 1.132
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

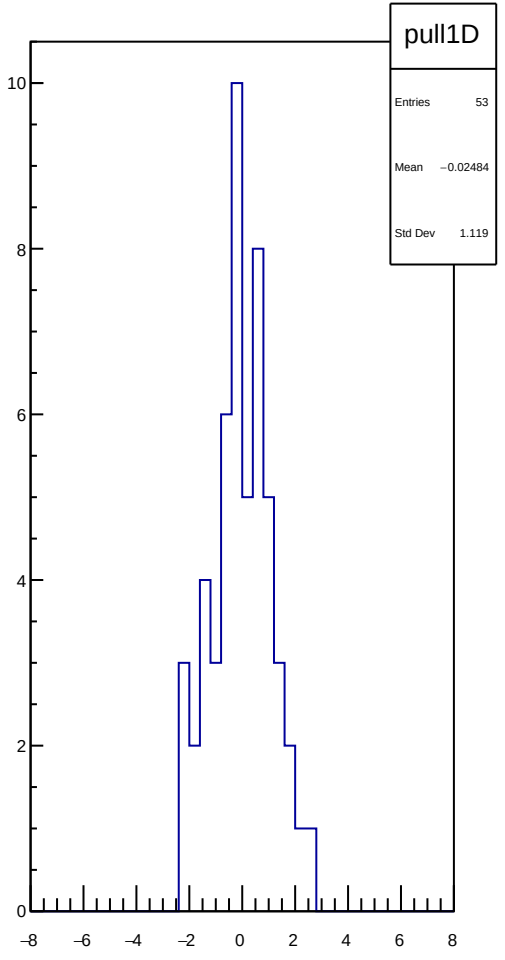

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 4310 / 52
p0 1.323e+04 ± 13.25
16000
15500
15000
14500
14000
13500
13000
12500
12000
11500

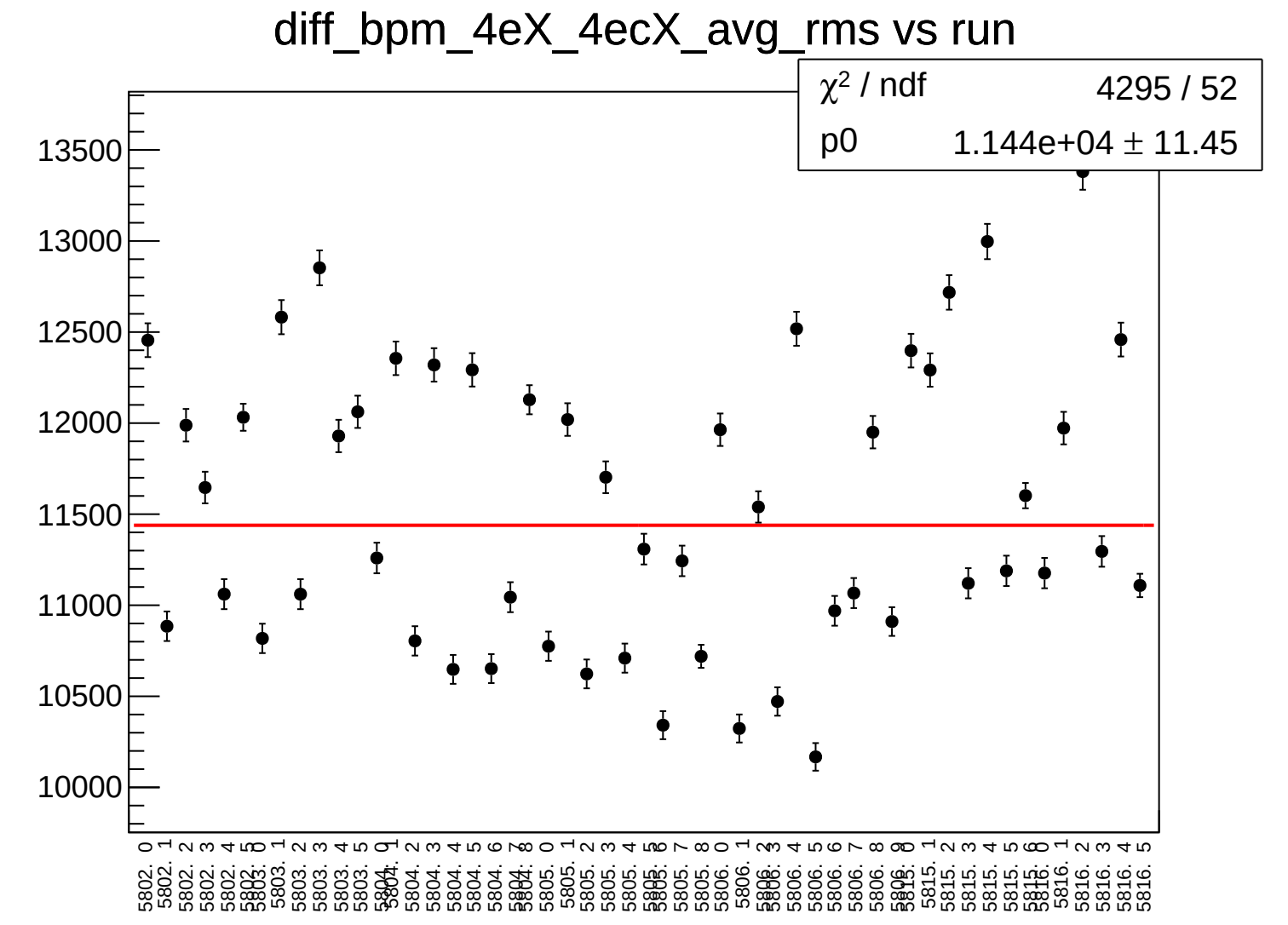

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 77.14 / 52
p0 0.9614 ± 2.56
pull
Entries 53
Mean −133.4
Std Dev 0

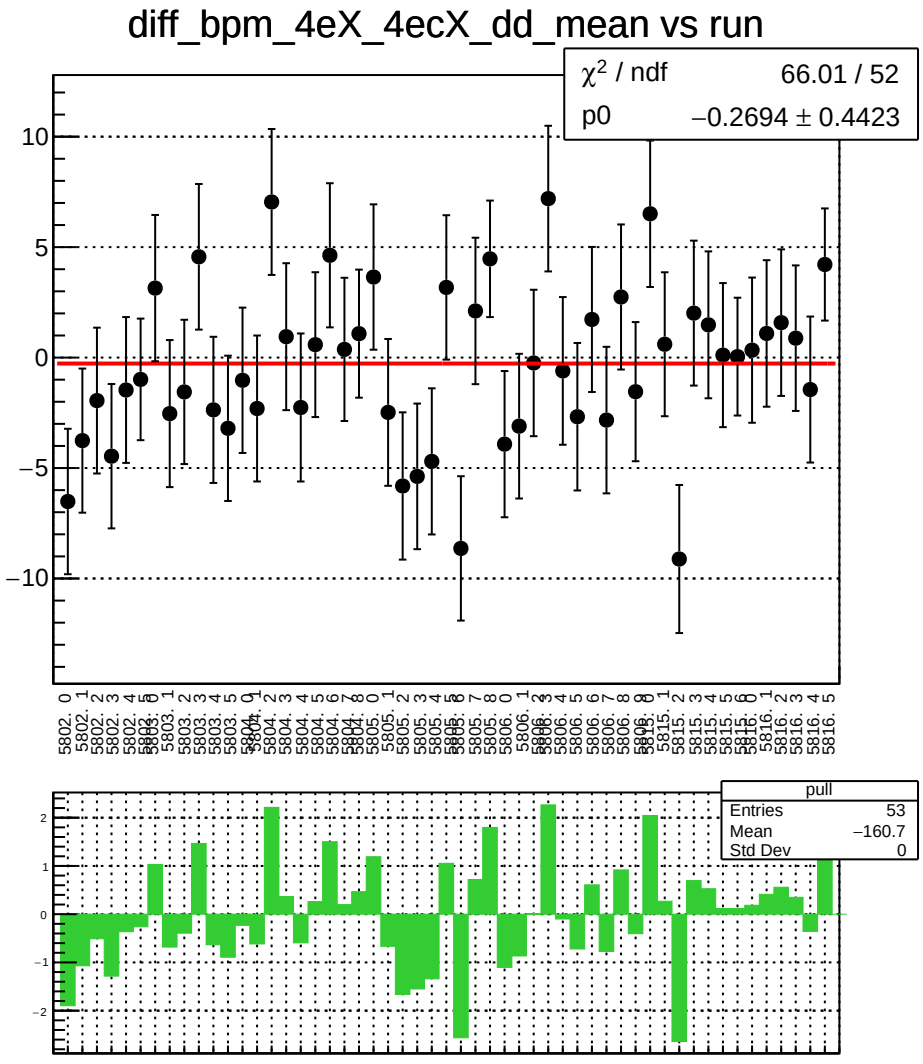

pull1D
Entries 53
Mean −0.02309
Std Dev 1.206

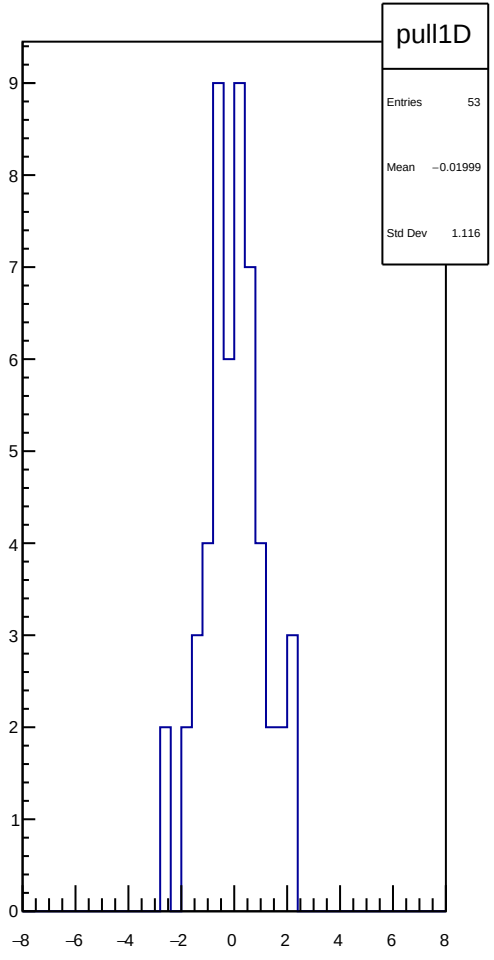

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3744 / 52
p0 1808 ± 1.81
2200
2100
2000
1900
1800
1700
1600

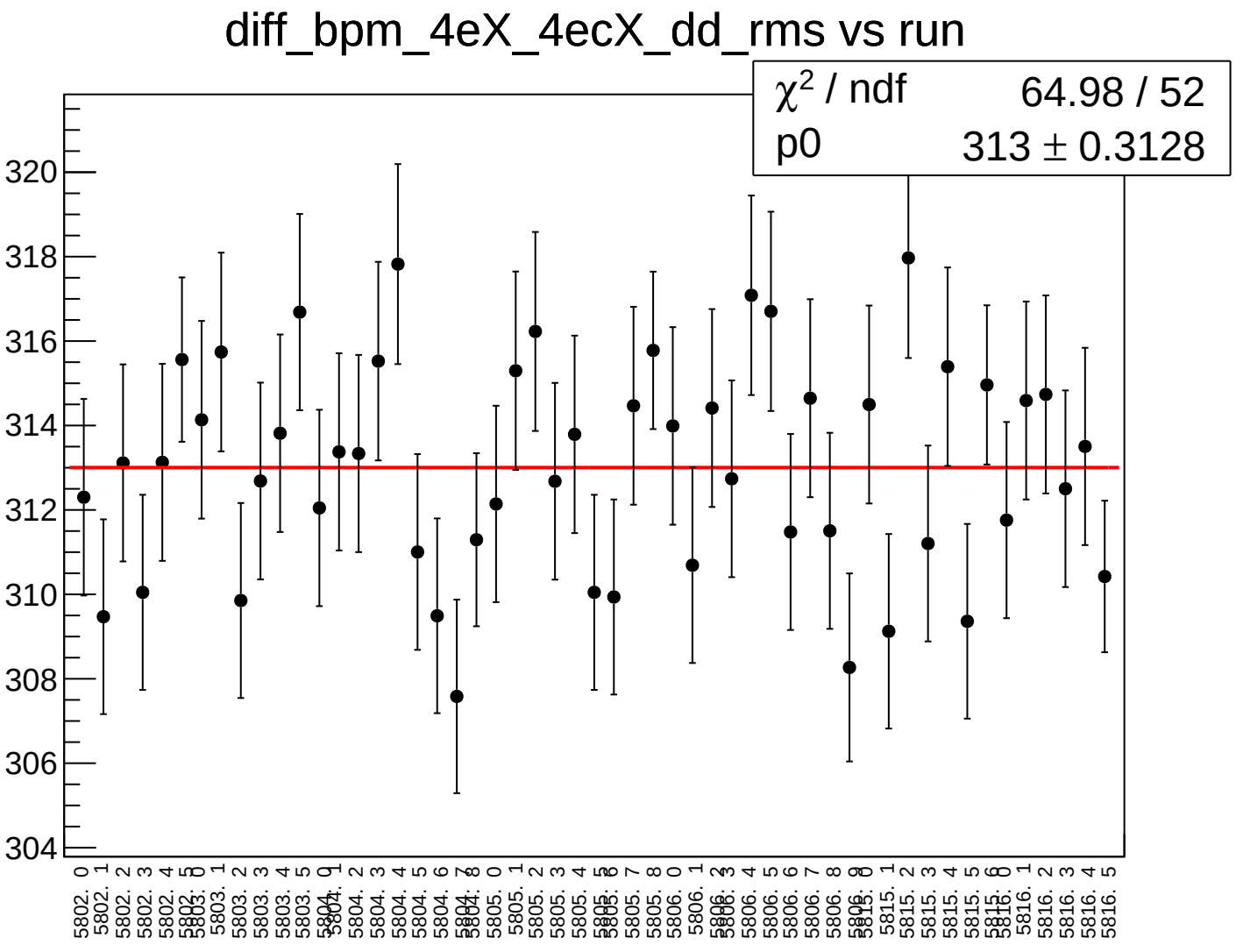

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 66.39 / 52
p0 6.664 ± 16.2
pull
Entries 53
Mean −88.22
Std Dev 0

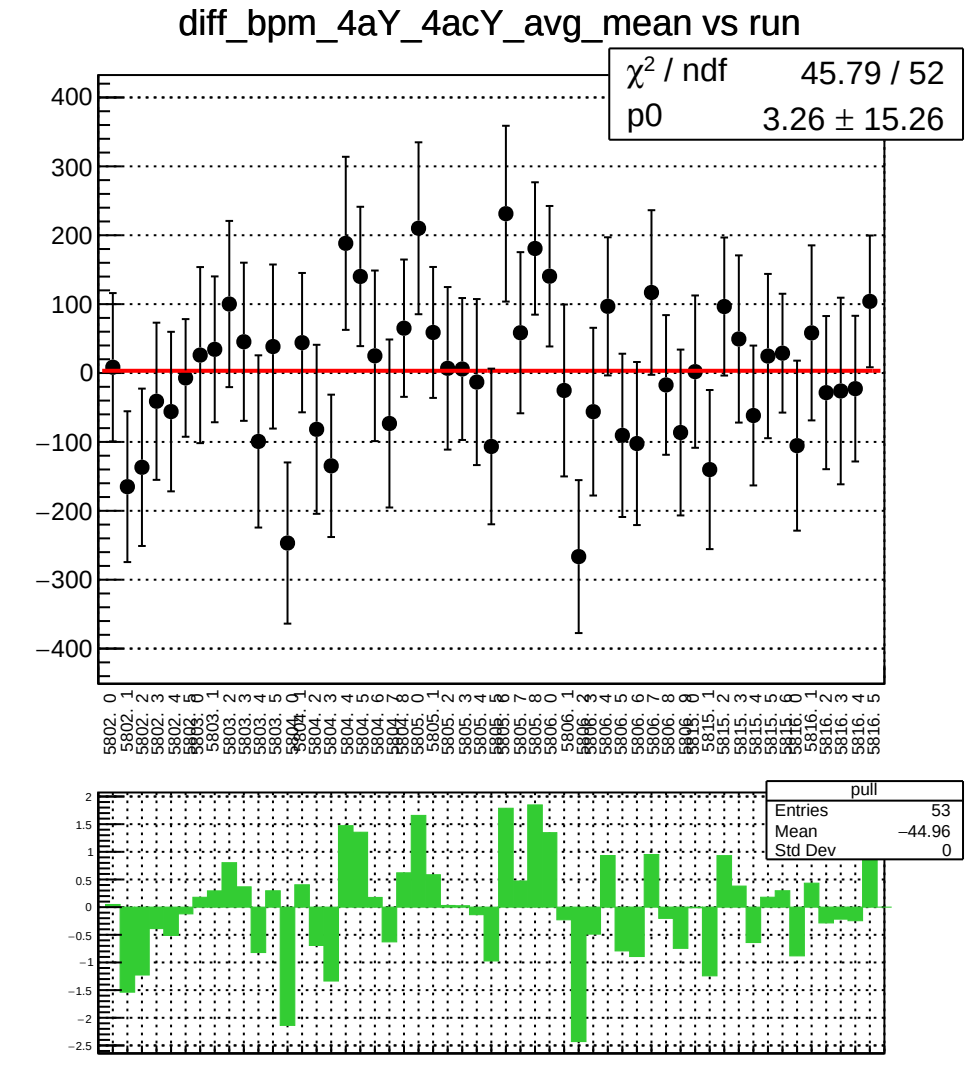

pull1D
Entries 53
Mean −0.02484
Std Dev 1.119

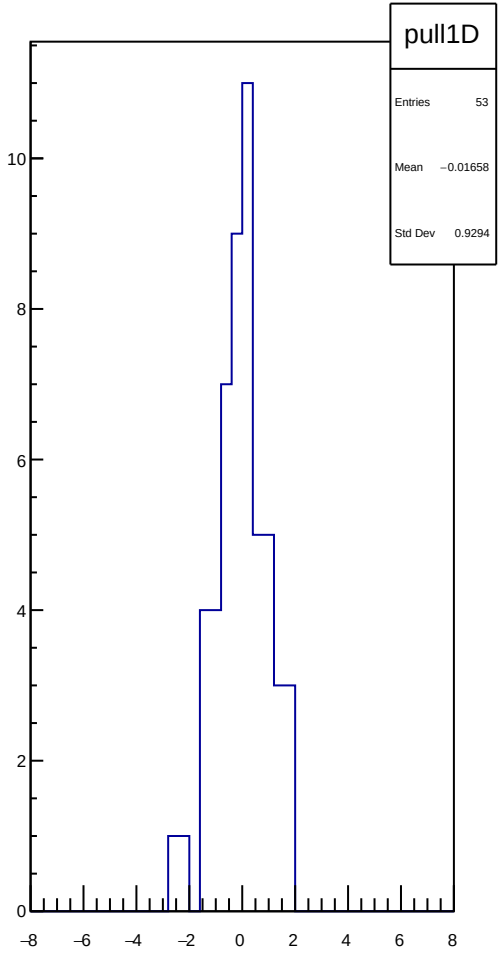

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4295 / 52
p0 1.144e+04 ± 11.45
13500
13000
12500
12000
11500
11000
10500
10000

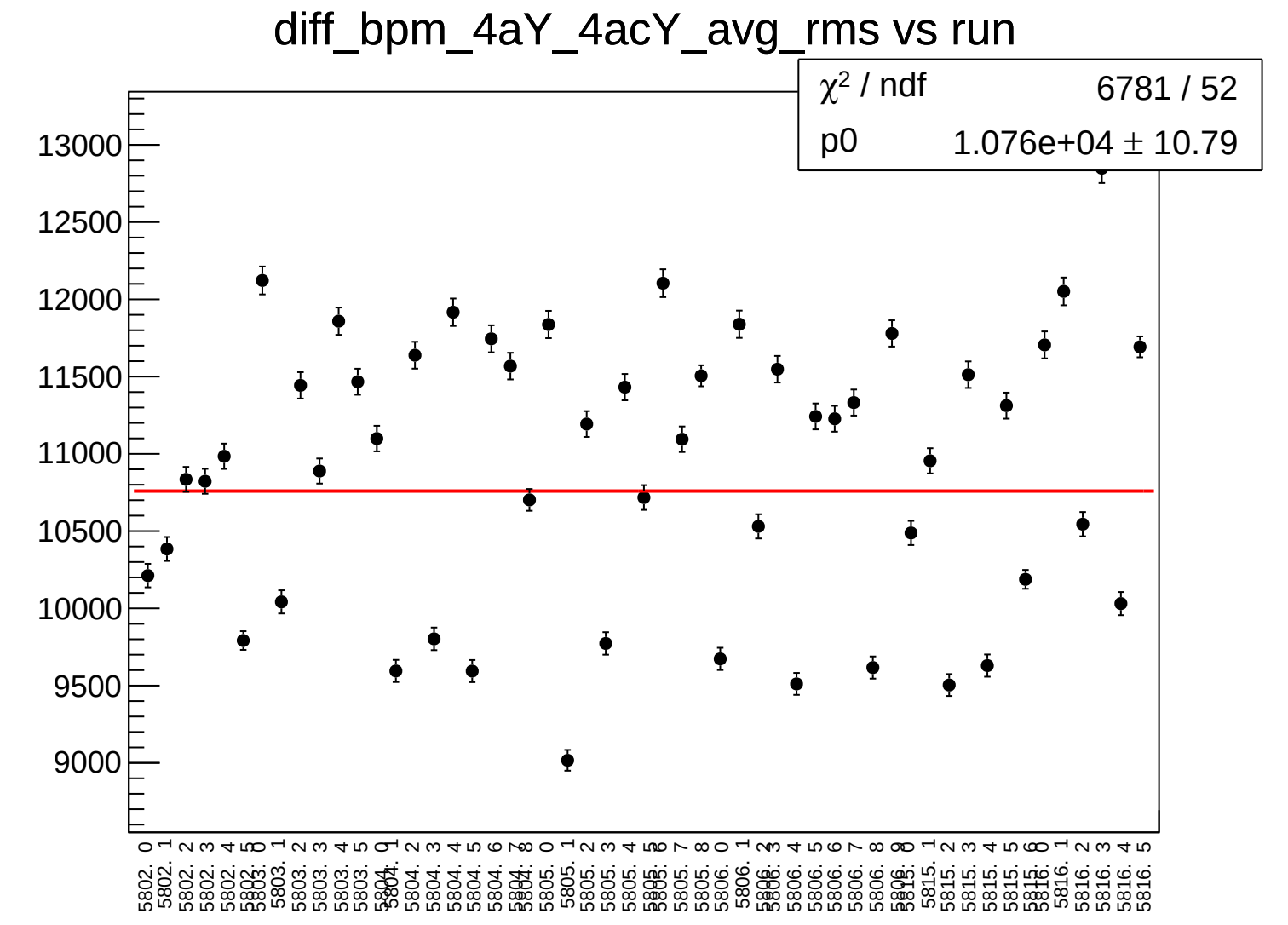

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 66.01 / 52
p0 −0.2694 ± 0.4423
pull
Entries 53
Mean −160.7
Std Dev 0

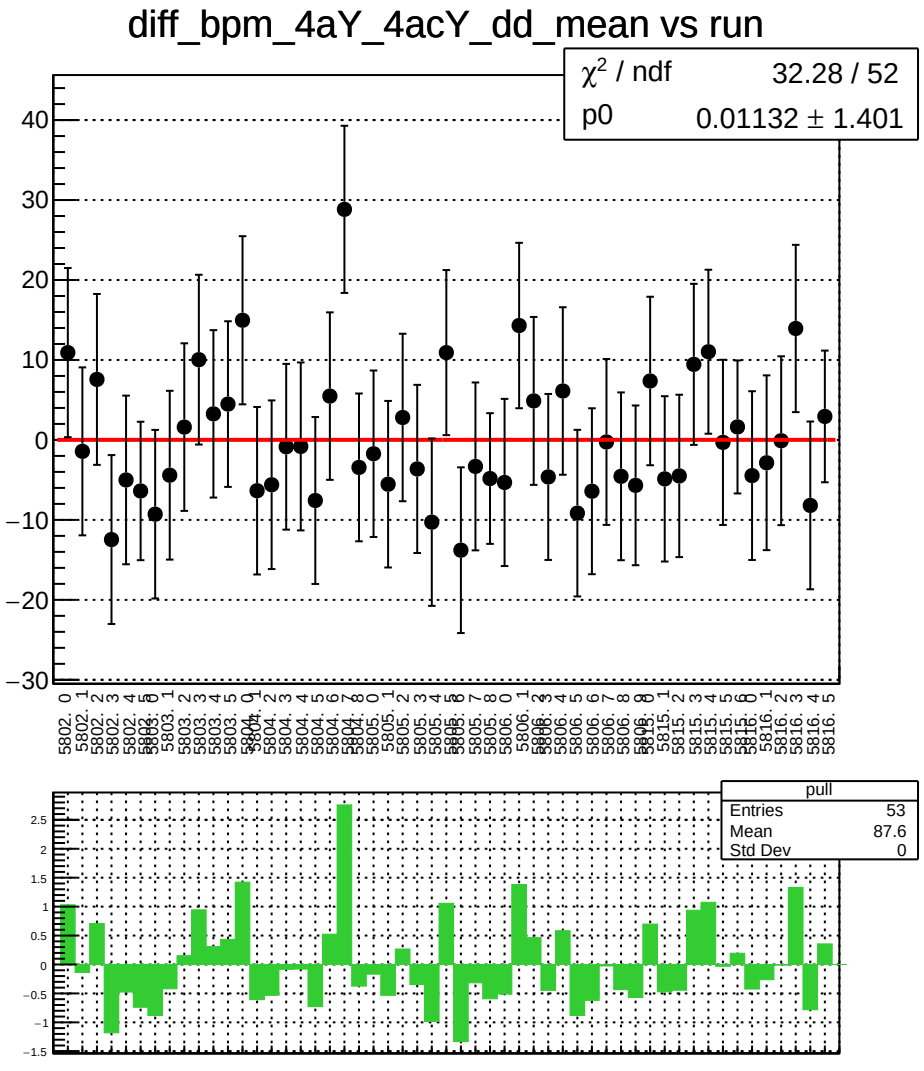

pull1D
Entries 53
Mean −0.01999
Std Dev 1.116

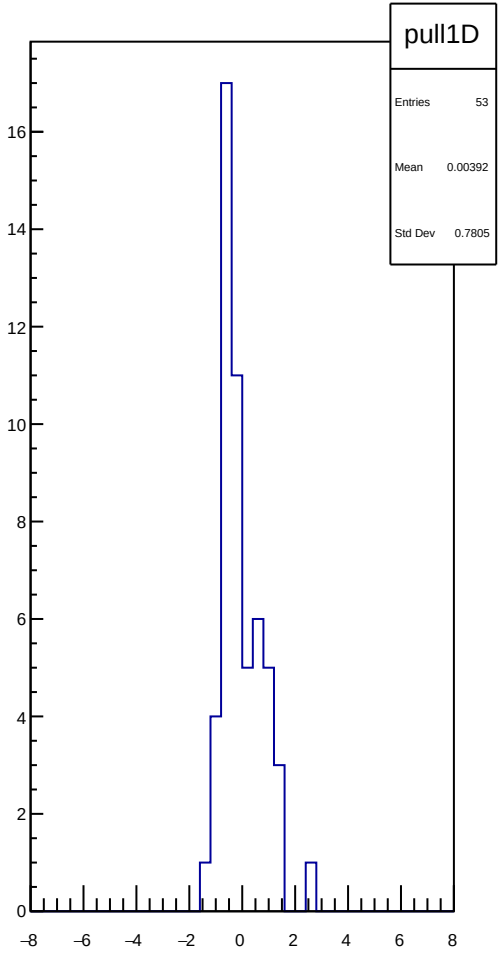

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 64.98 / 52
p0 313 ± 0.3128
320
318
316
314
312
310
308
306
304

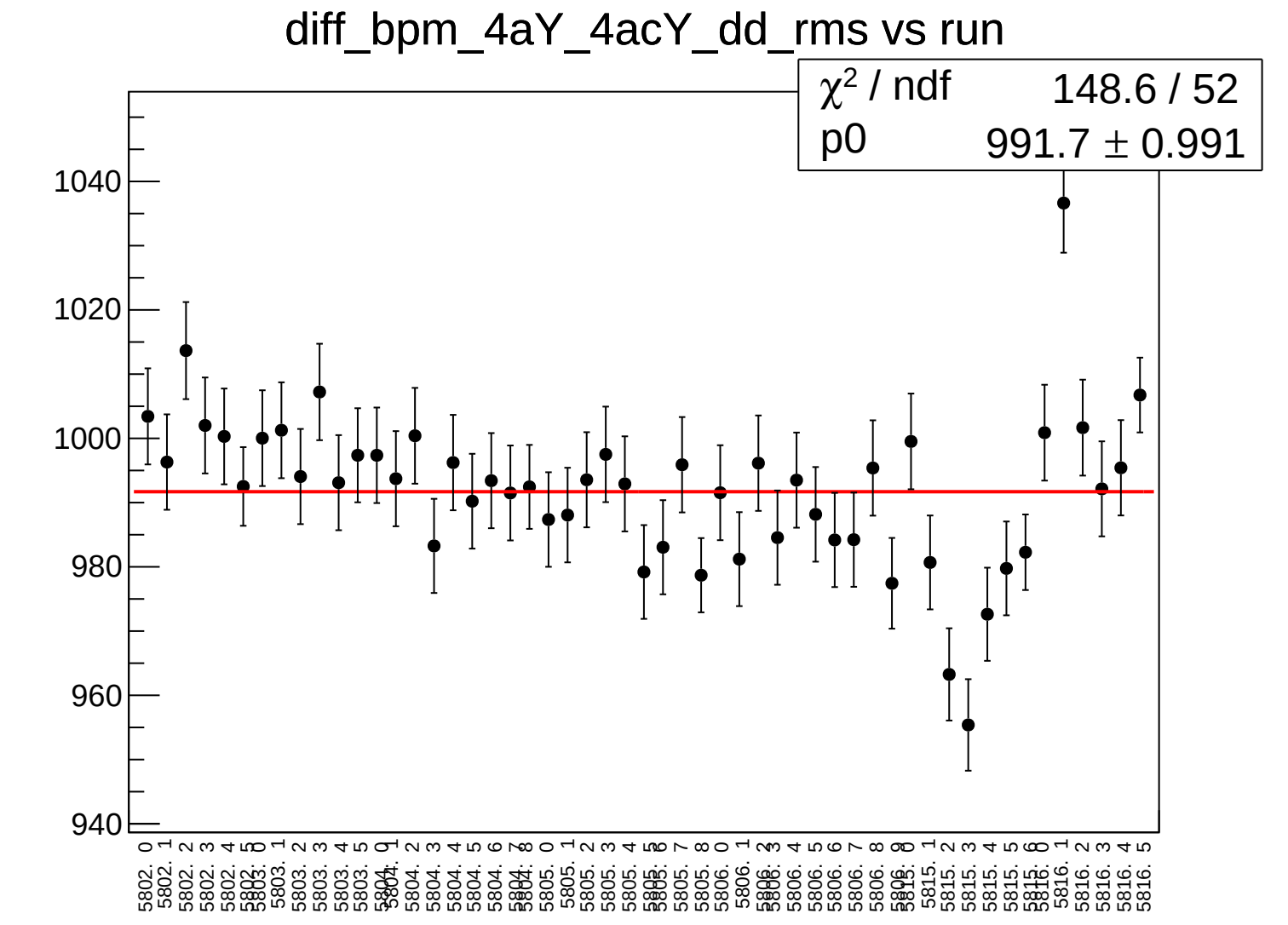

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 45.79 / 52
p0 3.26 ± 15.26
pull
Entries 53
Mean −44.96
Std Dev 0

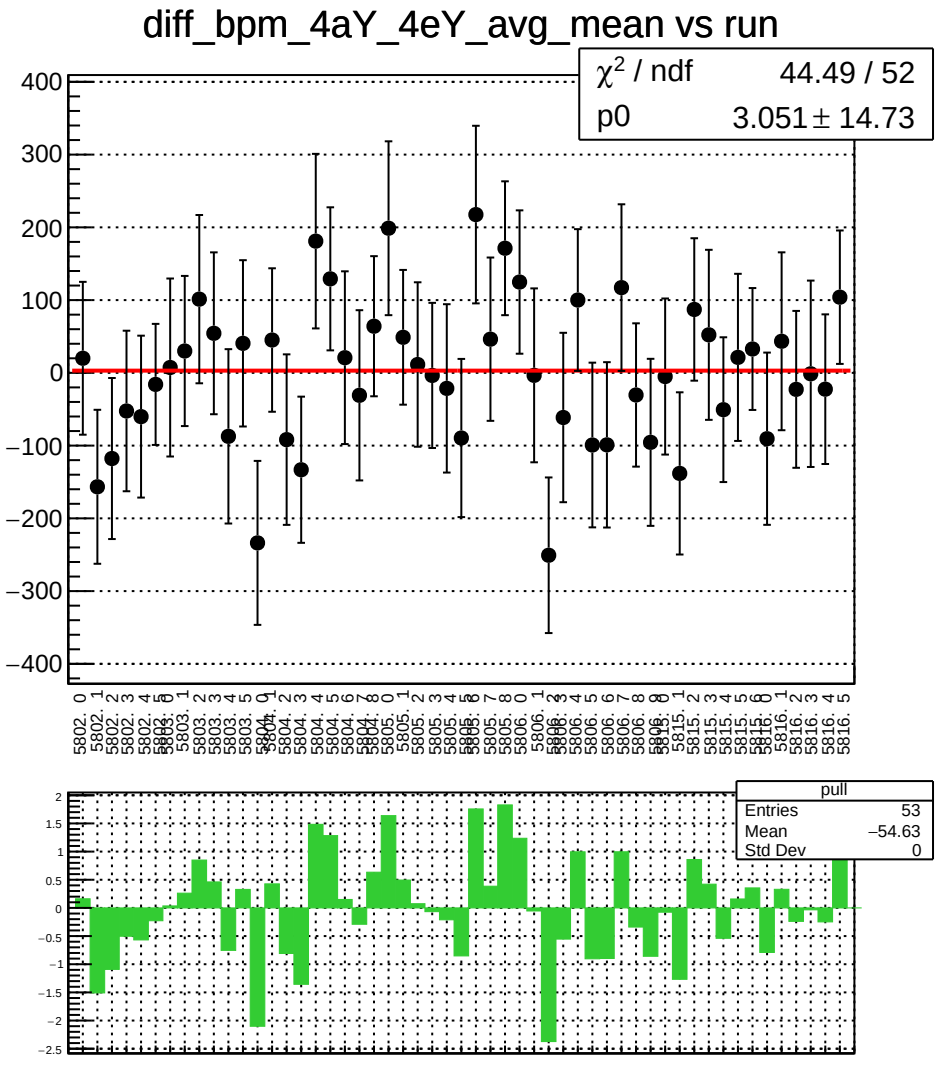

pull1D
Entries 53
Mean −0.01658
Std Dev 0.9294

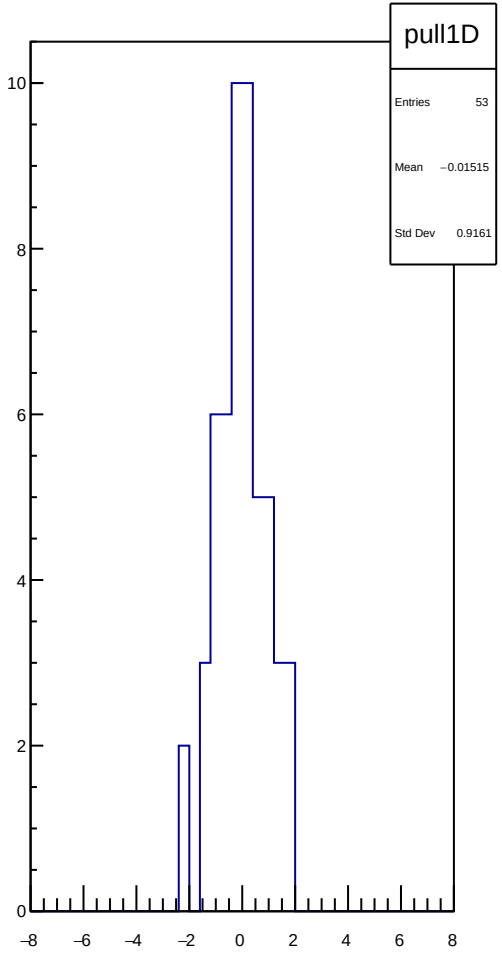

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 6781 / 52
p0 1.076e+04 ± 10.79
13000
12500
12000
11500
11000
10500
10000
9500
9000

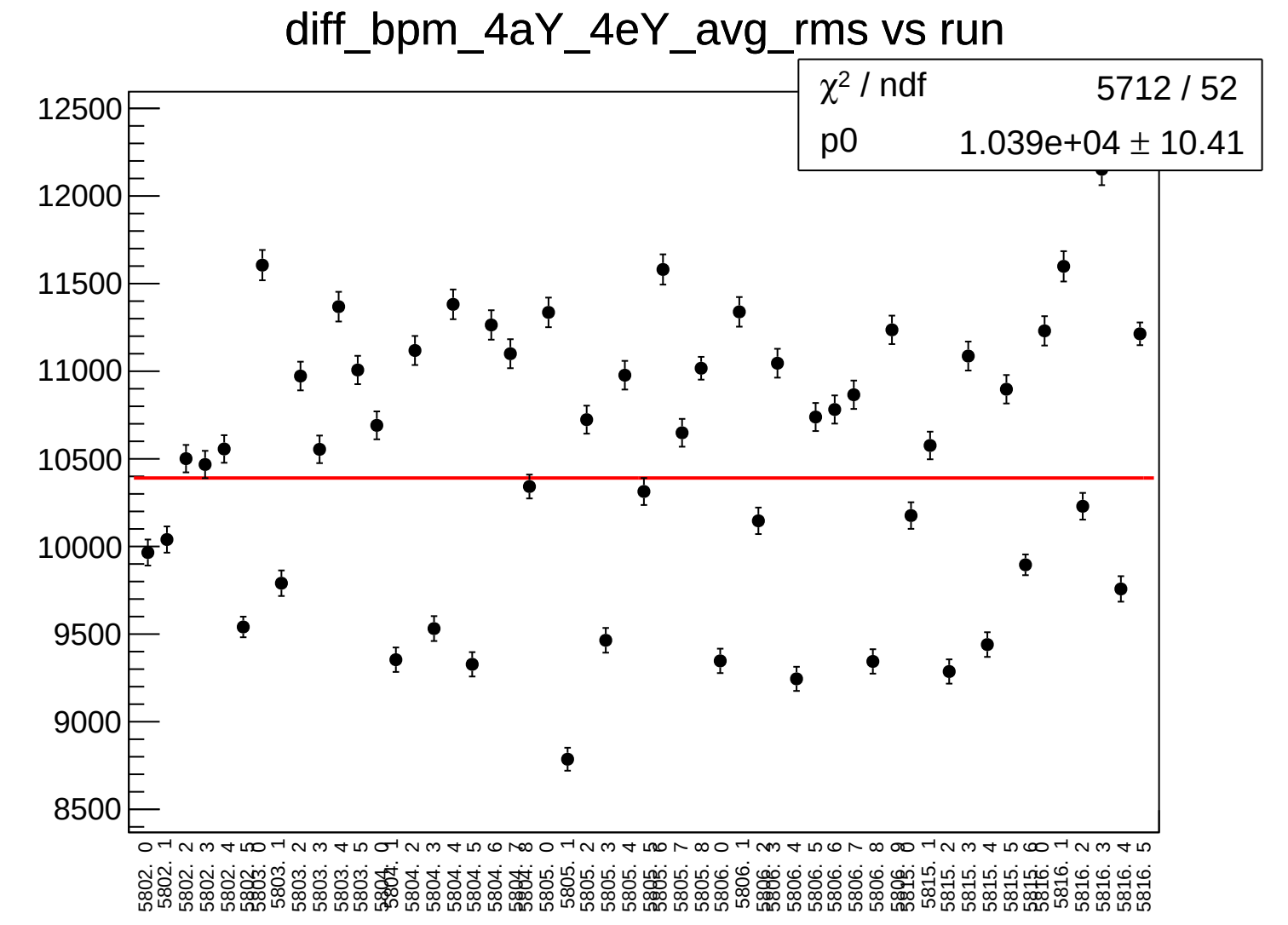

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 32.28 / 52
p0 0.01132 ± 1.401
pull
Entries 53
Mean 87.6
Std Dev 0

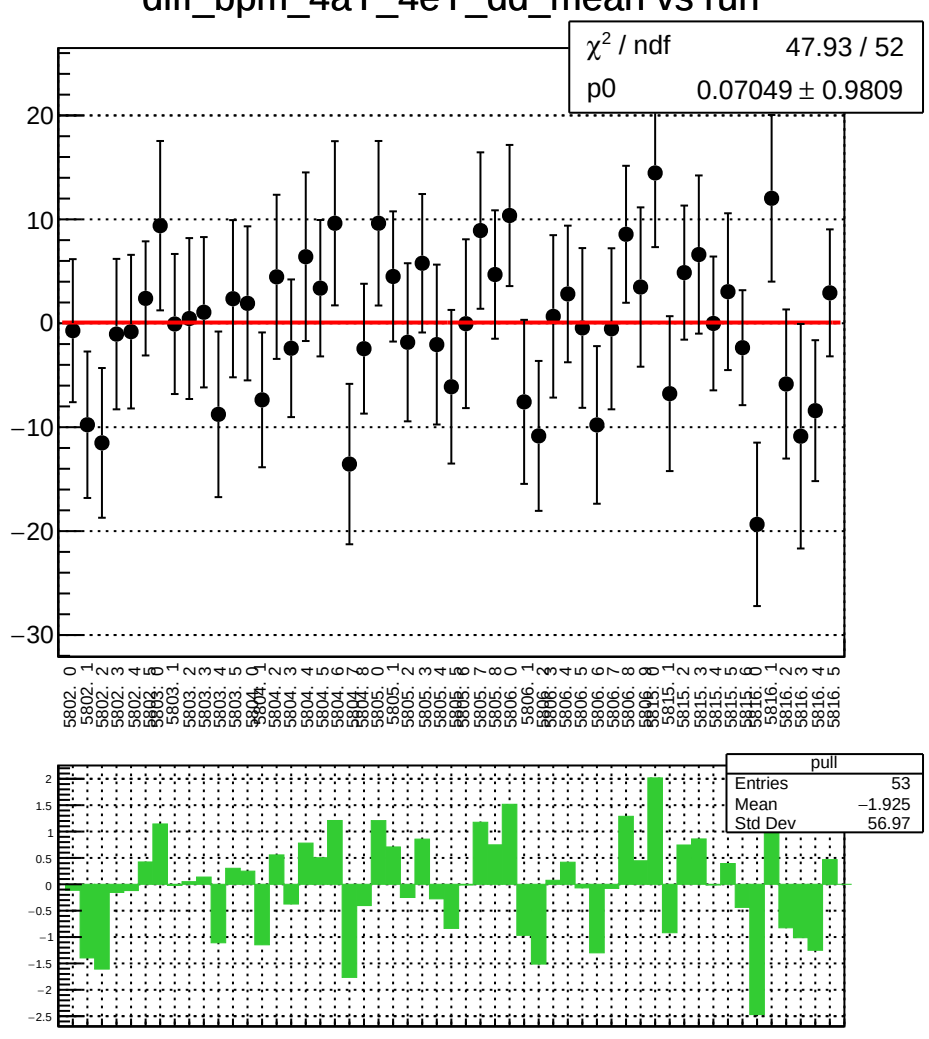

pull1D
Entries 53
Mean 0.00392
Std Dev 0.7805

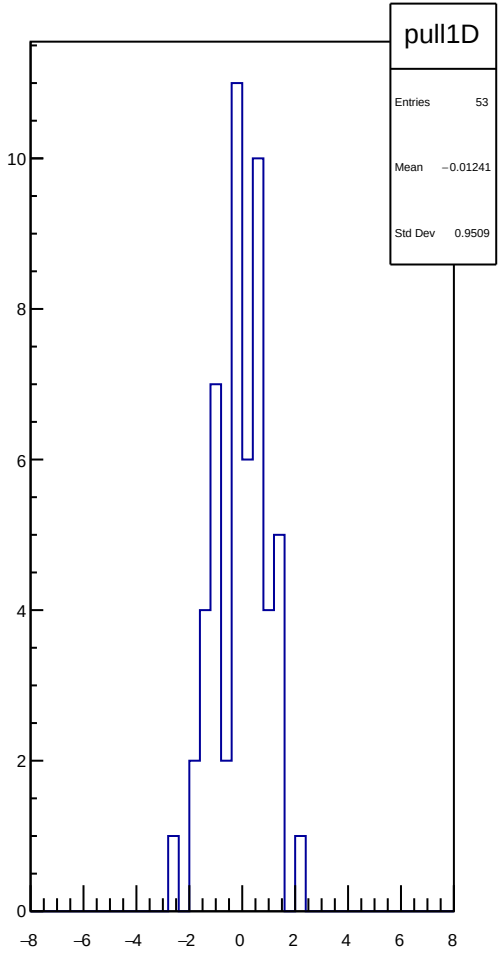

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 148.6 / 52
p0 991.7 ± 0.991
1040
1020
1000
980
960
940

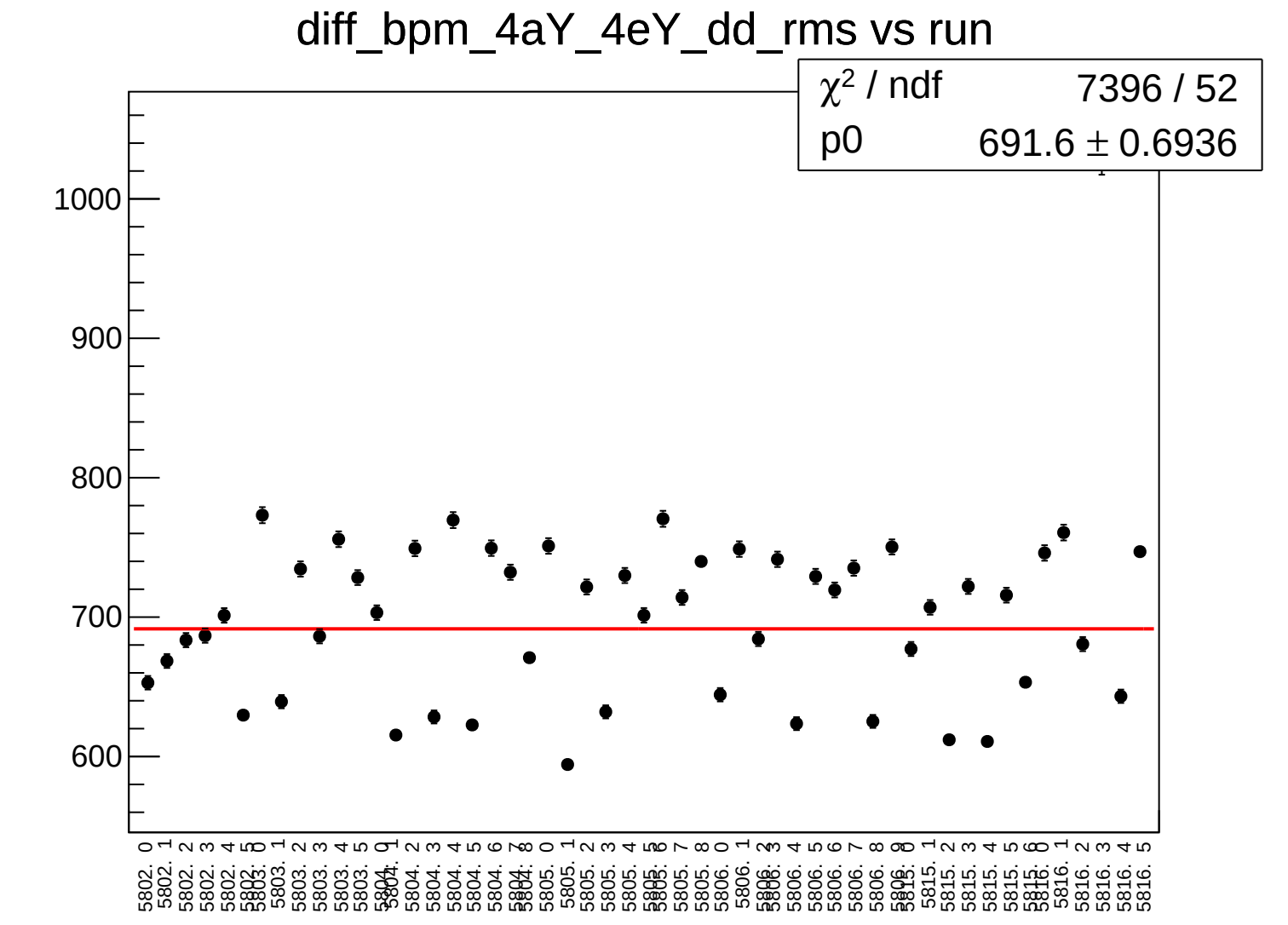

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 44.49 / 52
p0 3.051 ± 14.73
pull
Entries 53
Mean −54.63
Std Dev 0

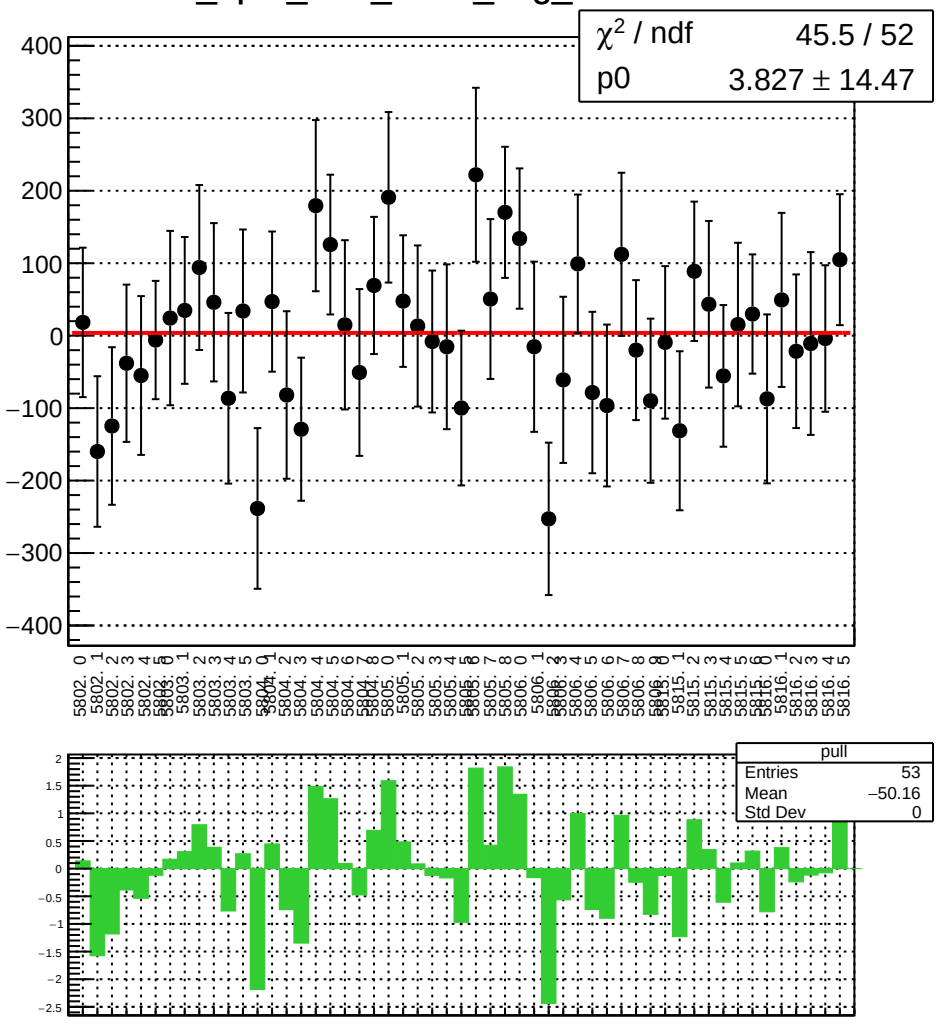

pull1D
Entries 53
Mean −0.01515
Std Dev 0.9161

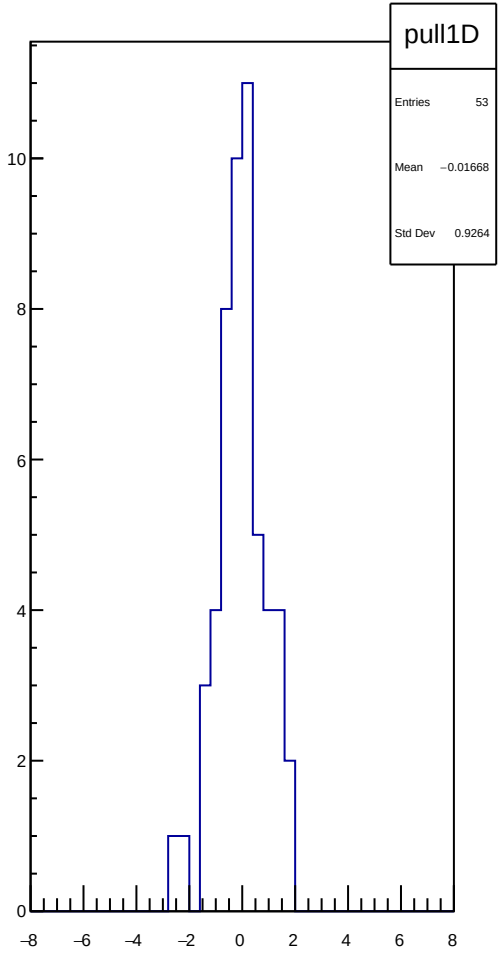

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5712 / 52
p0 1.039e+04 ± 10.41
12500
12000
11500
11000
10500
10000
9500
9000
8500

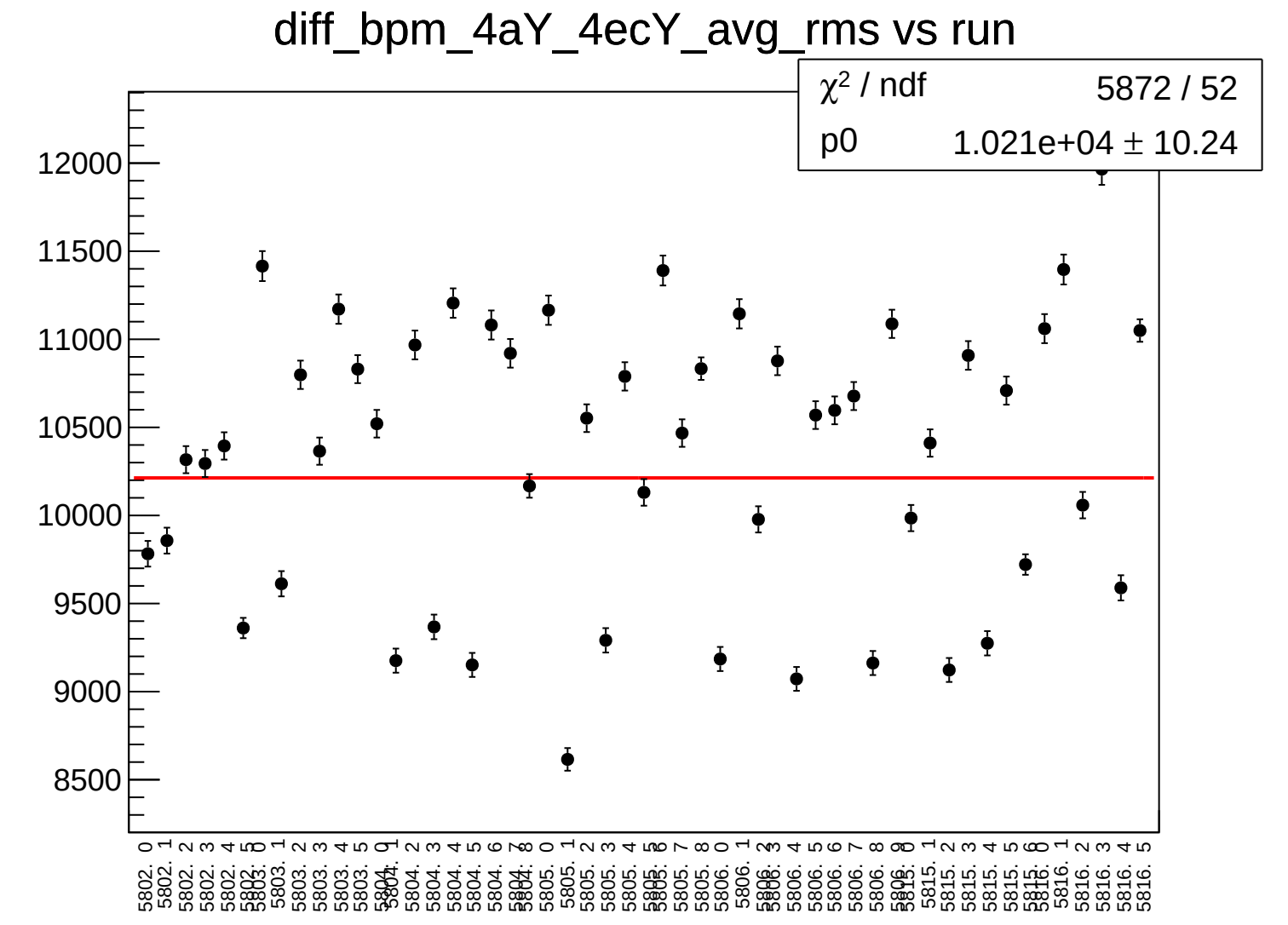

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 47.93 / 52
p0 0.07049 ± 0.9809
pull
Entries 53
Mean −1.925
Std Dev 56.97

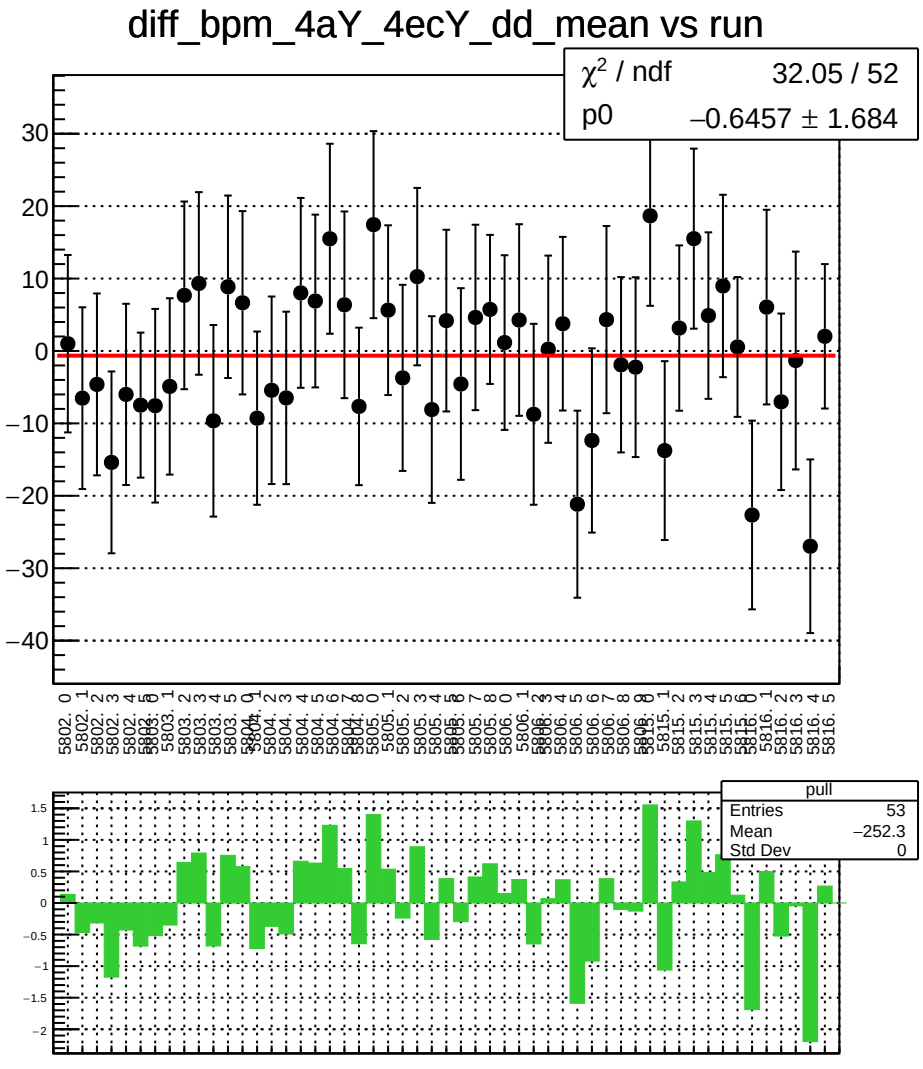

pull1D
Entries 53
Mean −0.01241
Std Dev 0.9509

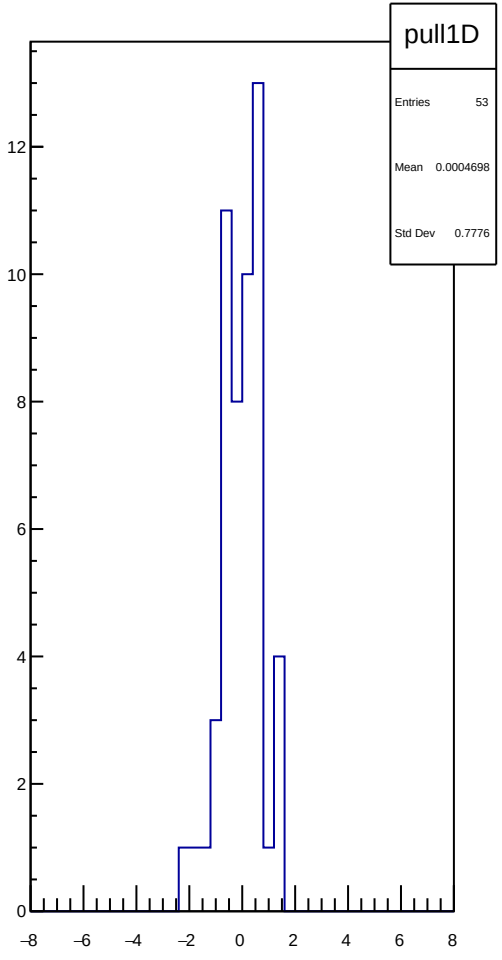

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 7396 / 52
p0 691.6 ± 0.6936
1000
900
800
700
600

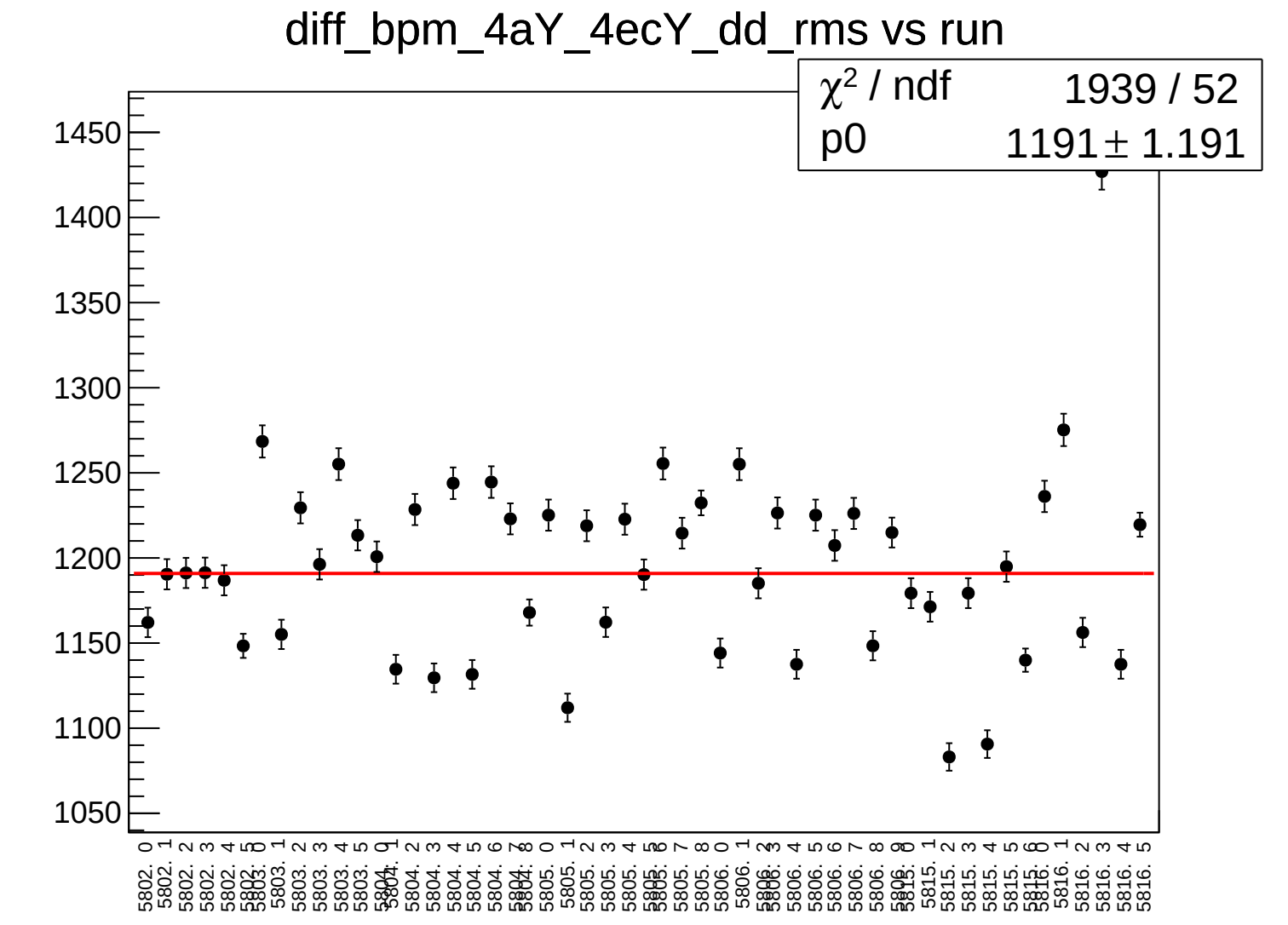

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 45.5 / 52
p0 3.827 ± 14.47
pull
Entries 53
Mean −50.16
Std Dev 0

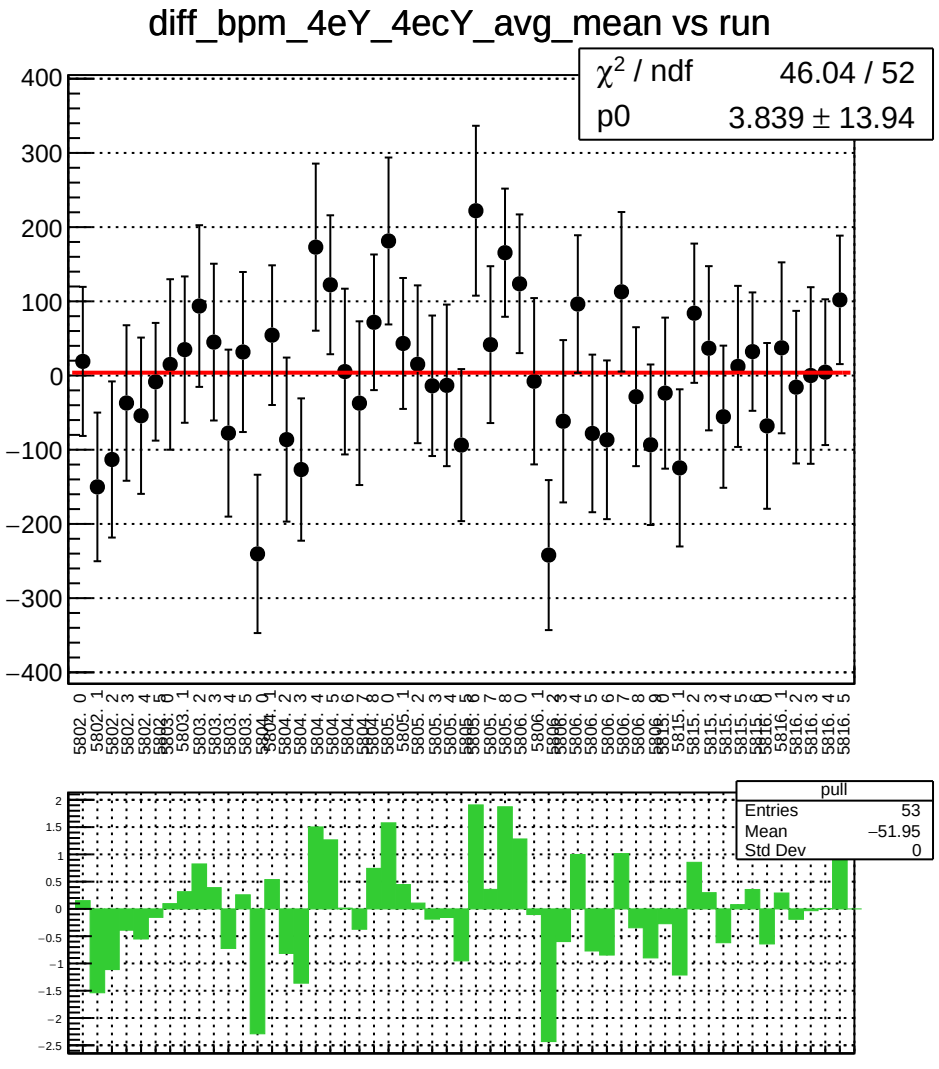

pull1D
Entries 53
Mean −0.01668
Std Dev 0.9264

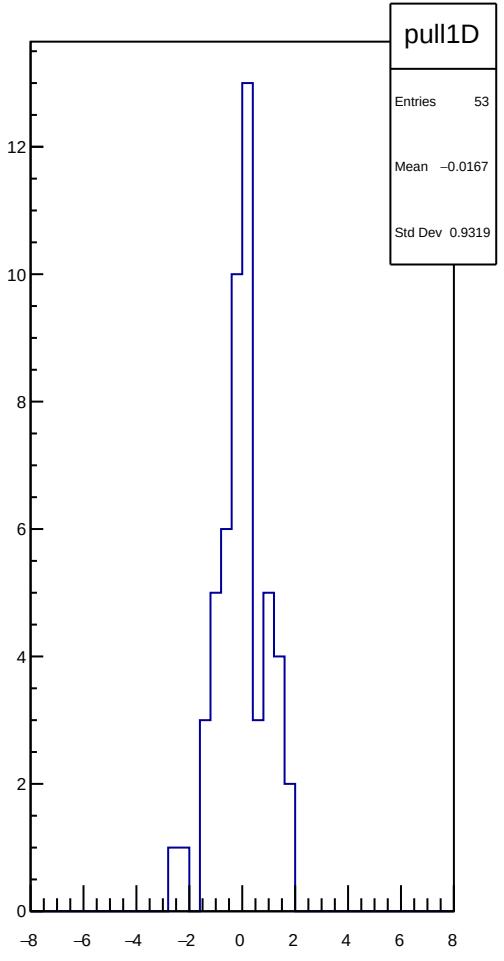

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 5872 / 52
p0 1.021e+04 ± 10.24
12000
11500
11000
10500
10000
9500
9000
8500

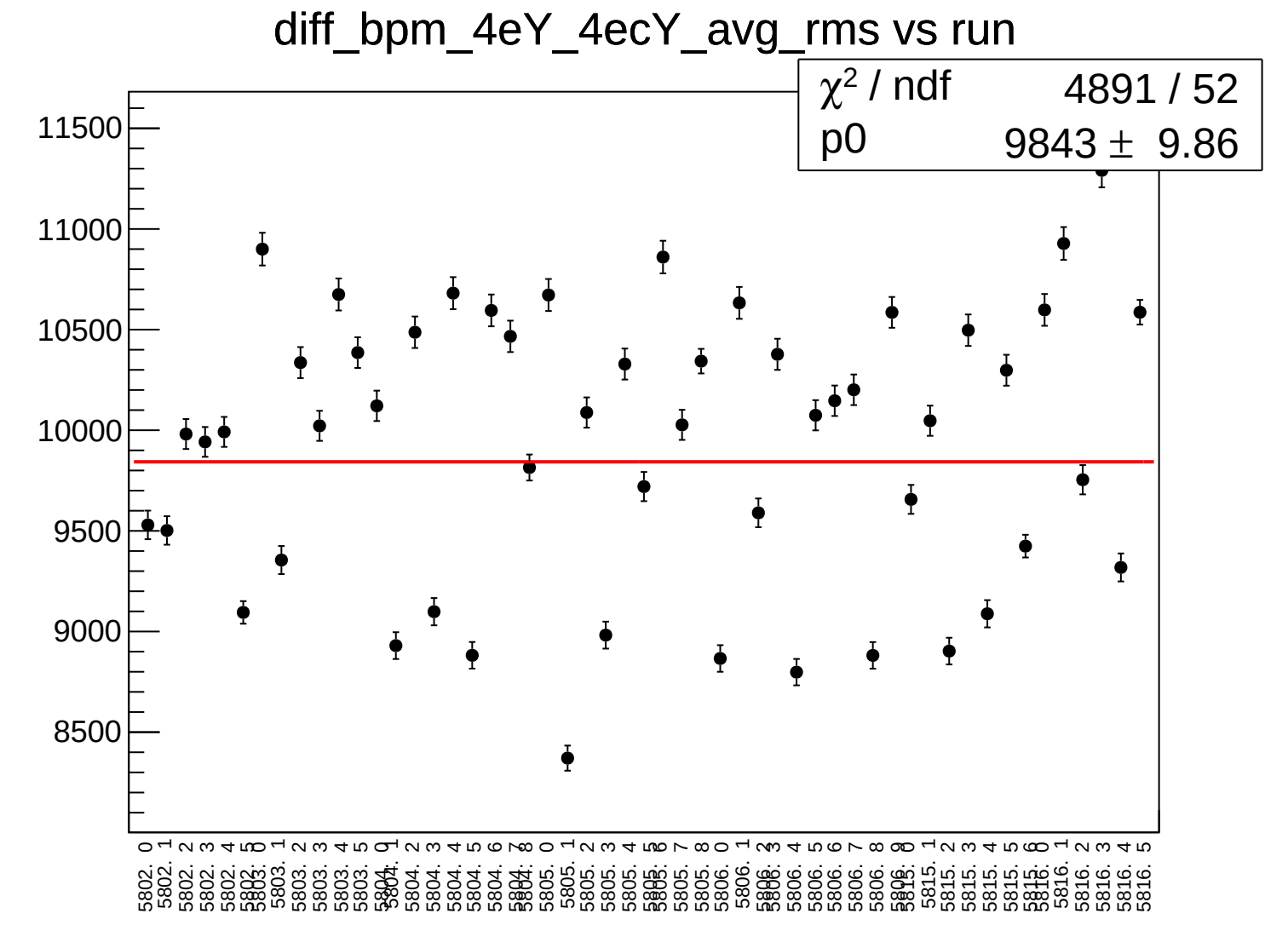

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 32.05 / 52
p0 −0.6457 ± 1.684
pull
Entries 53
Mean −252.3
Std Dev 0

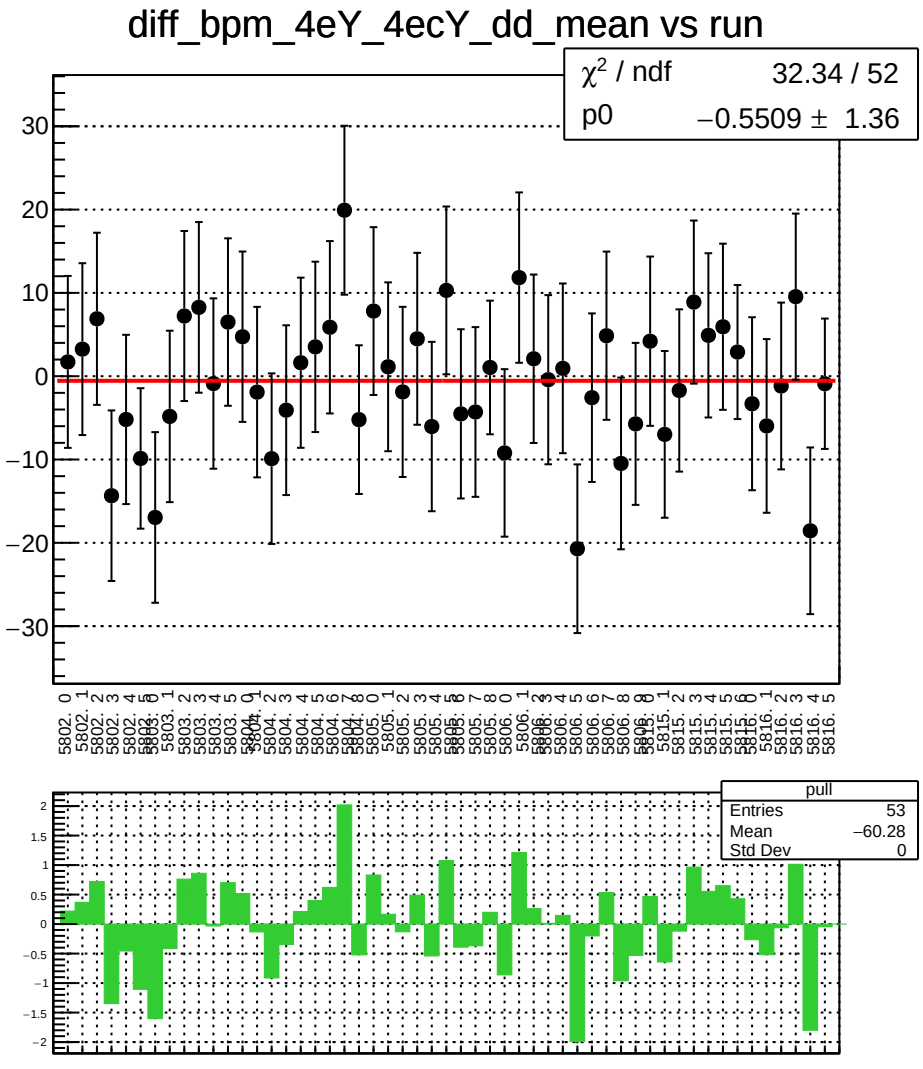

pull1D
Entries 53
Mean 0.0004698
Std Dev 0.7776

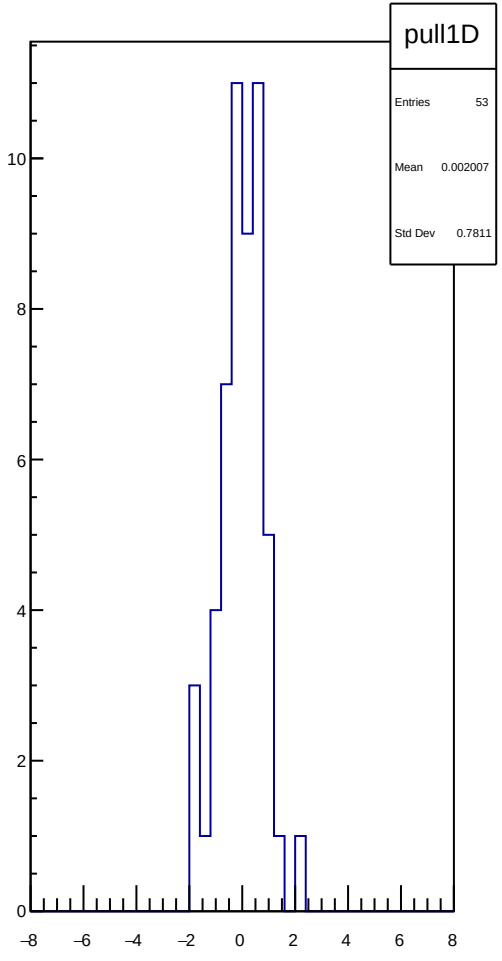

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1939 / 52
p0 1191 ± 1.191
1450
1400
1350
1300
1250
1200
1150
1100
1050

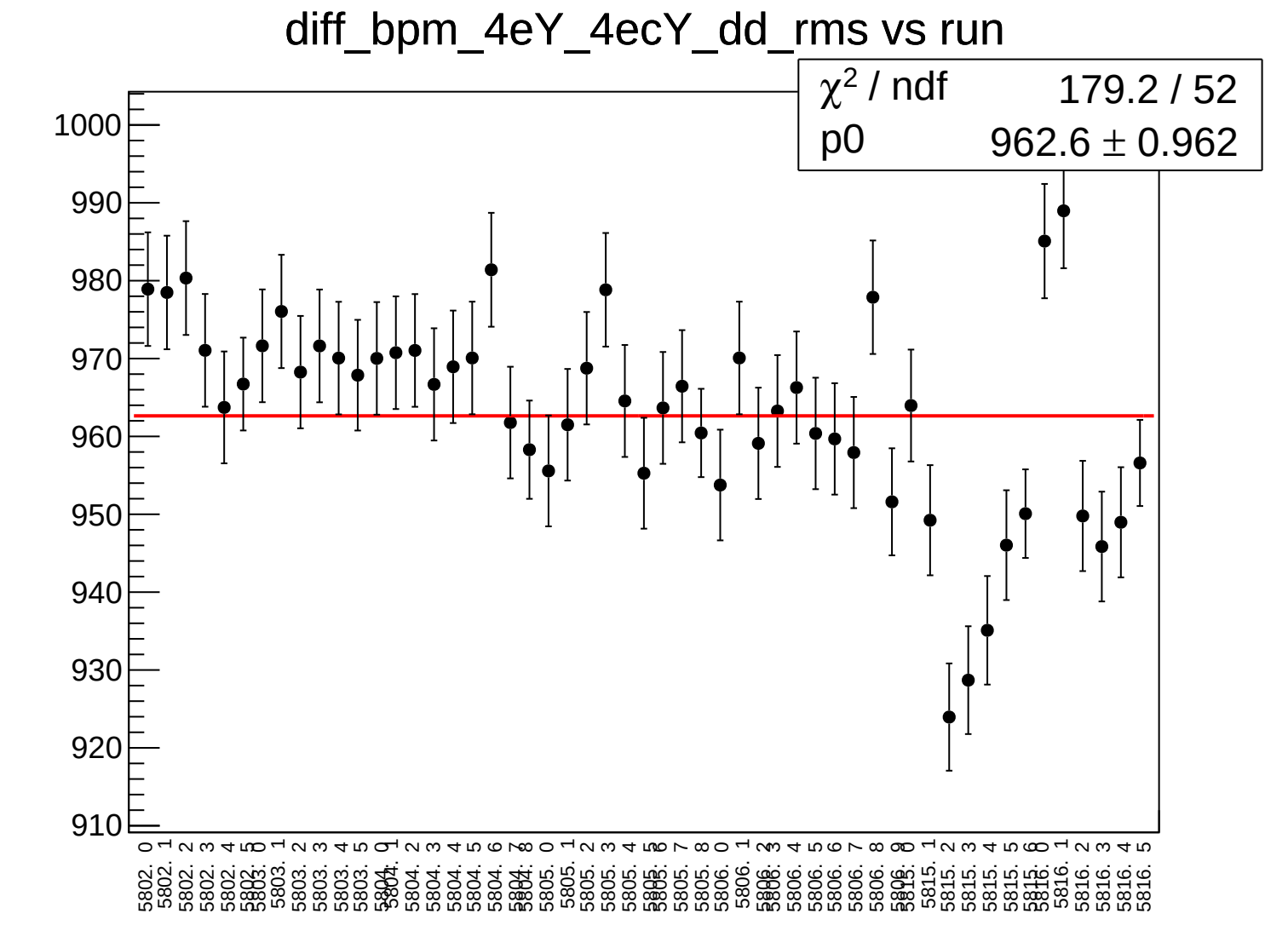

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 46.04 / 52
p0 3.839 ± 13.94
pull
Entries 53
Mean −51.95
Std Dev 0

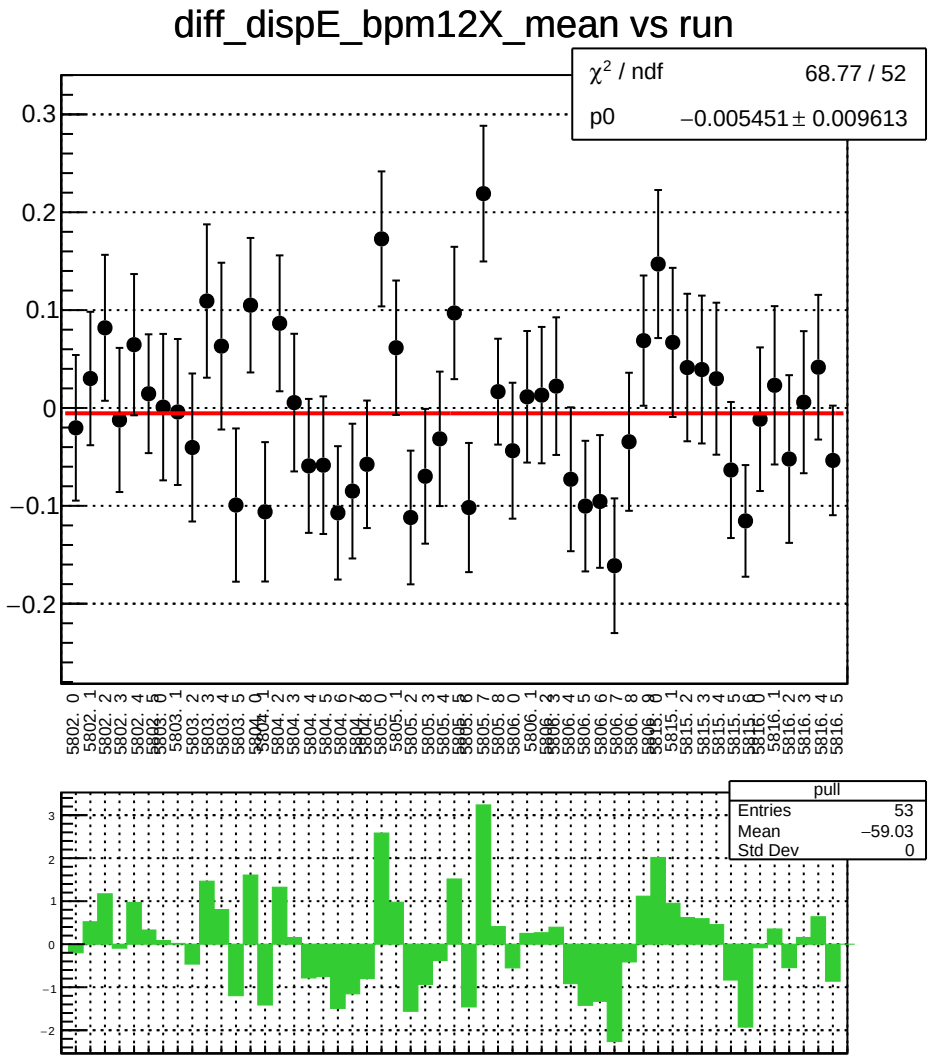

pull1D
Entries 53
Mean −0.0167
Std Dev 0.9319

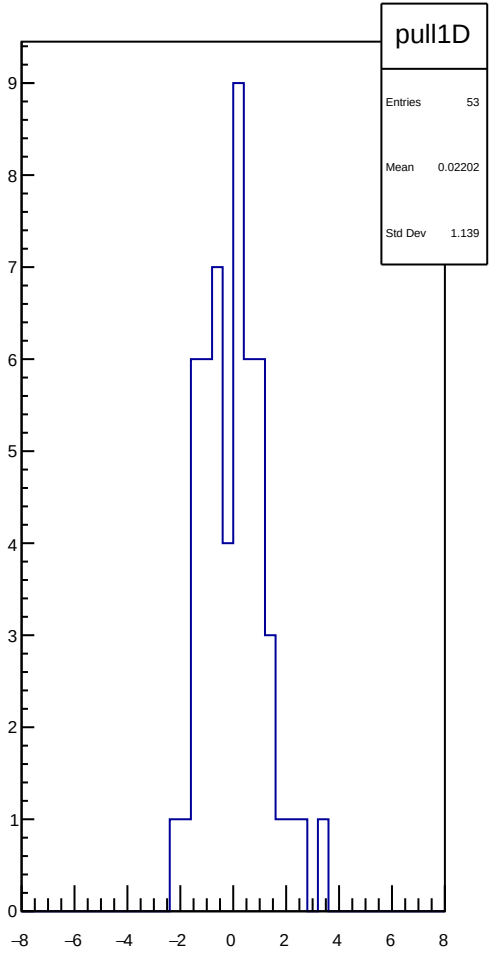

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 4891 / 52
p0 9843 ± 9.86
11500
11000
10500
10000
9500
9000
8500

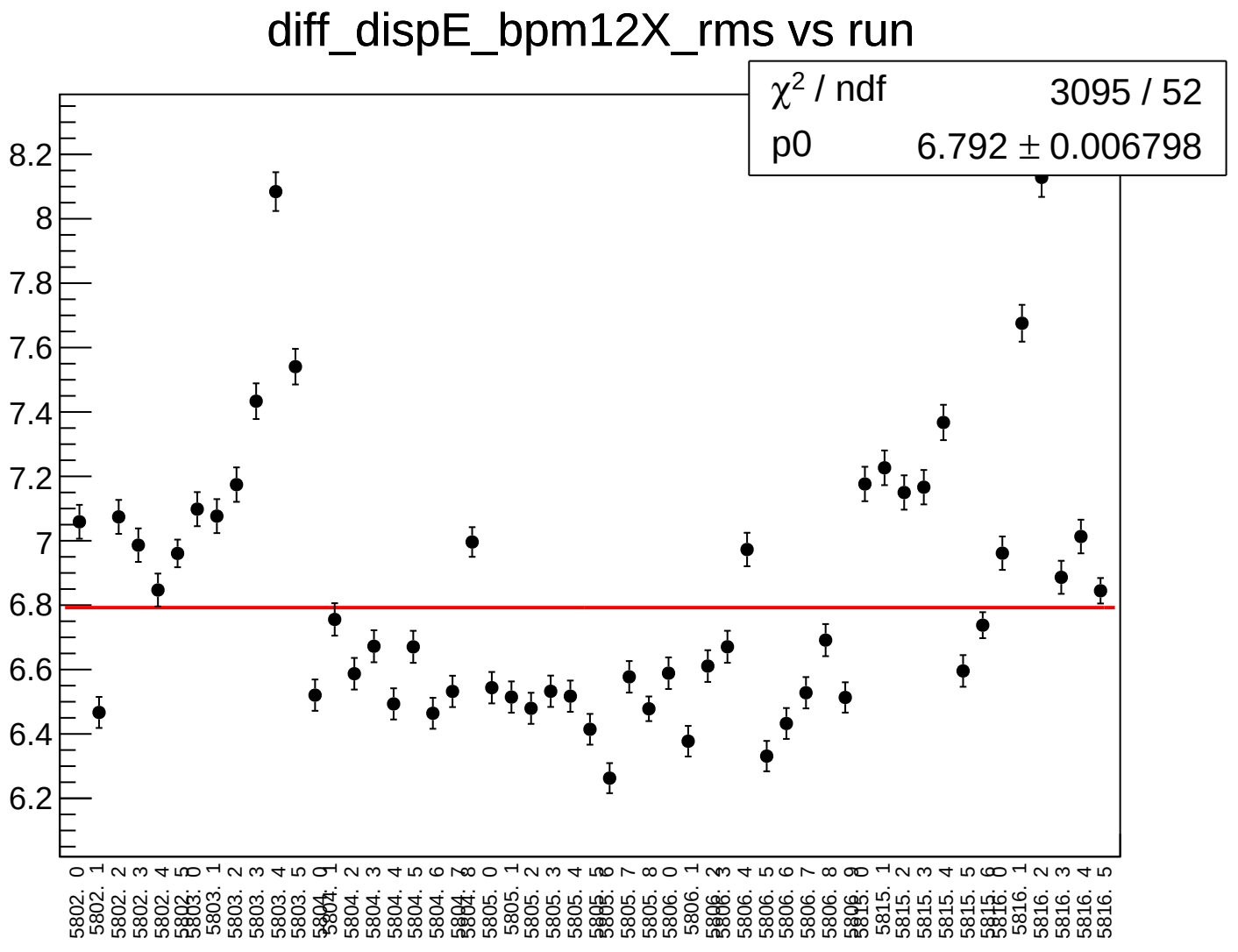

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 32.34 / 52
p0 −0.5509 ± 1.36
pull
Entries 53
Mean −60.28
Std Dev 0


pull1D
Entries 53
Mean 0.002007
Std Dev 0.7811


diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 179.2 / 52
p0 962.6 ± 0.962
1000
990
980
970
960
950
940
930
920
910


diff_dispE_bpm12X_mean vs run
χ² / ndf 68.77 / 52
p0 −0.005451 ± 0.009613
pull
Entries 53
Mean −59.03
Std Dev 0


pull1D
Entries 53
Mean 0.02202
Std Dev 1.139


diff_dispE_bpm12X_rms vs run
χ² / ndf 3095 / 52
p0 6.792 ± 0.006798
8.2
8
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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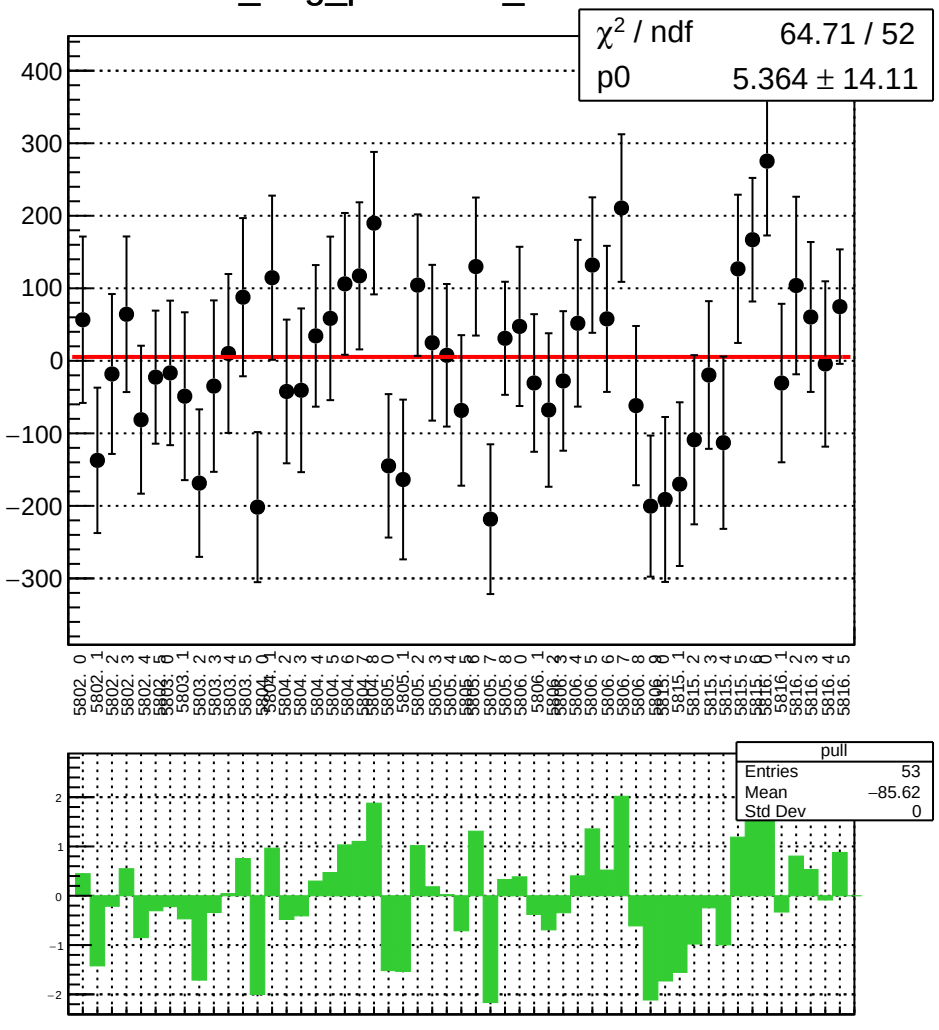
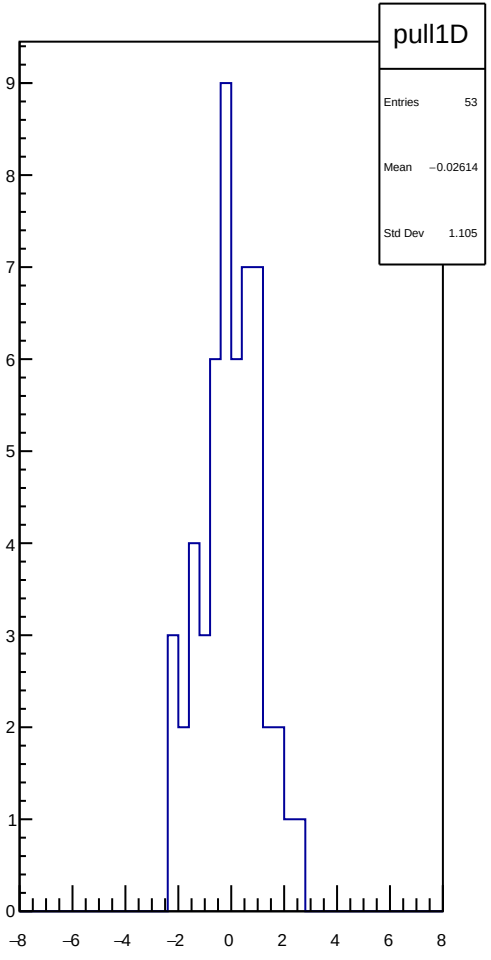
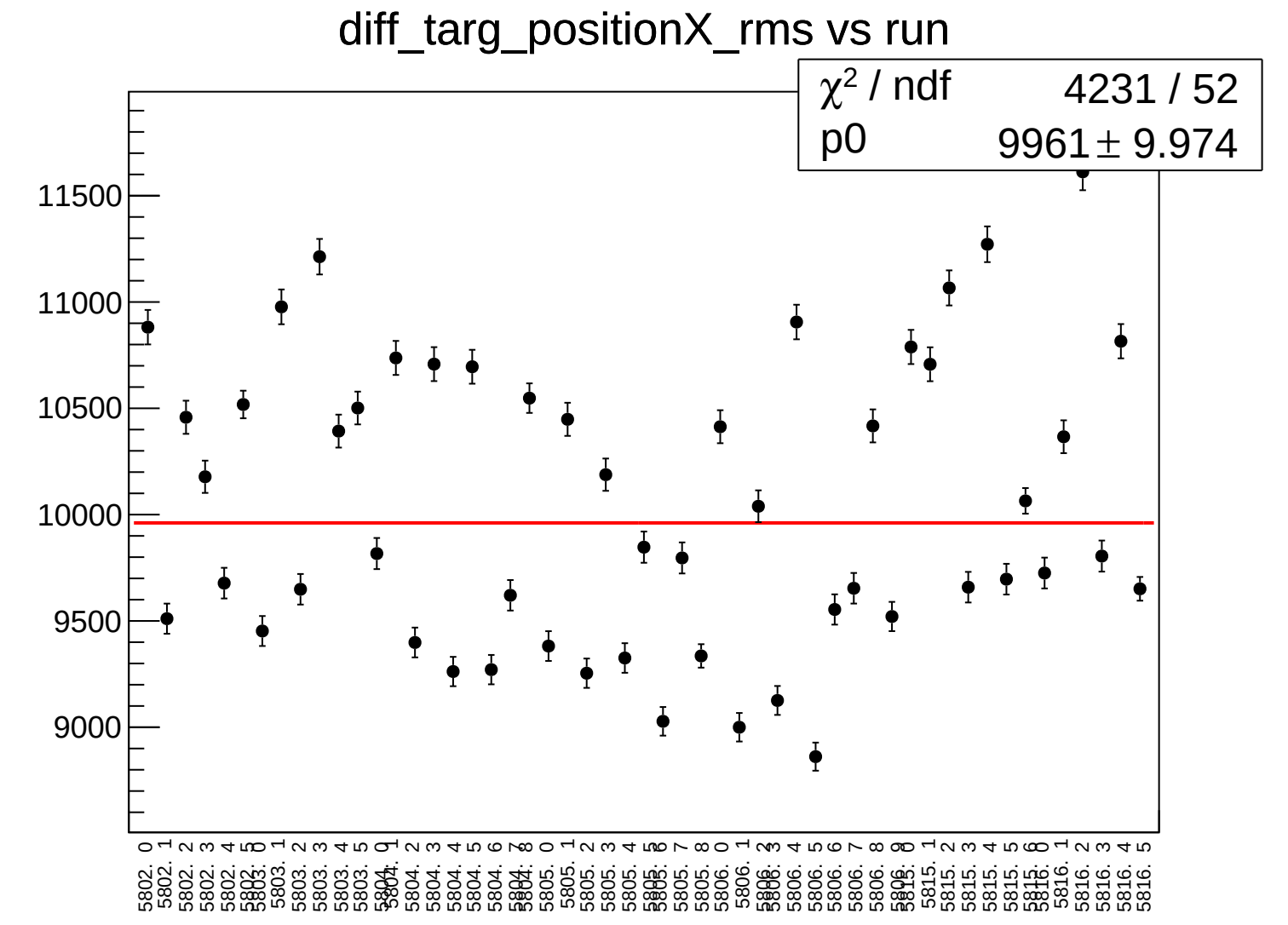
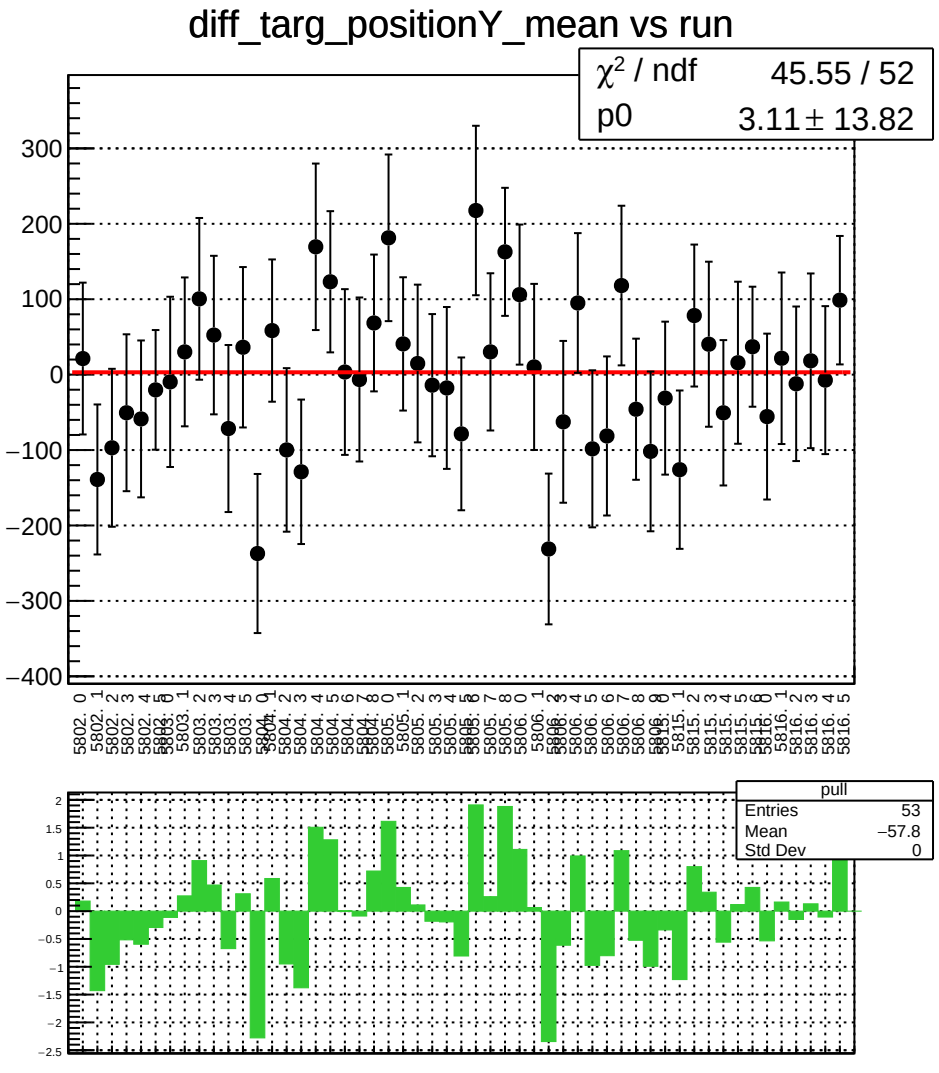
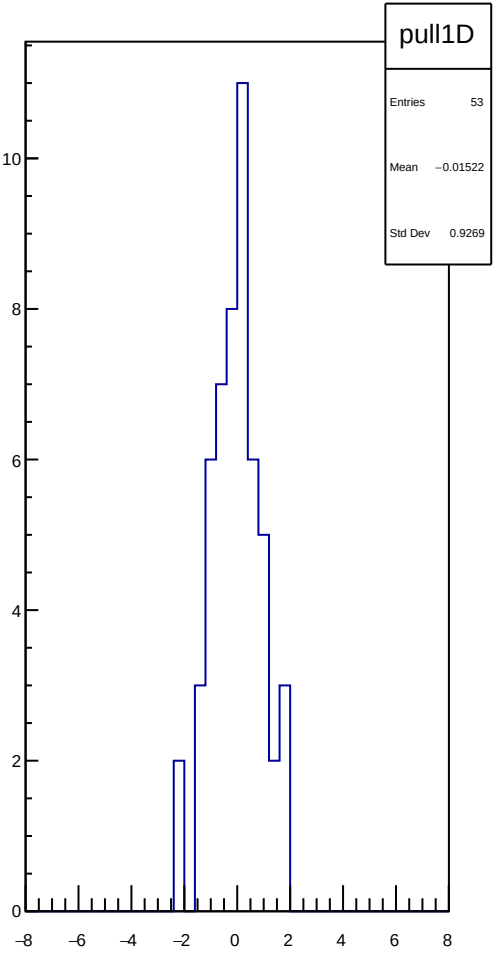
5816. 4
5816. 5

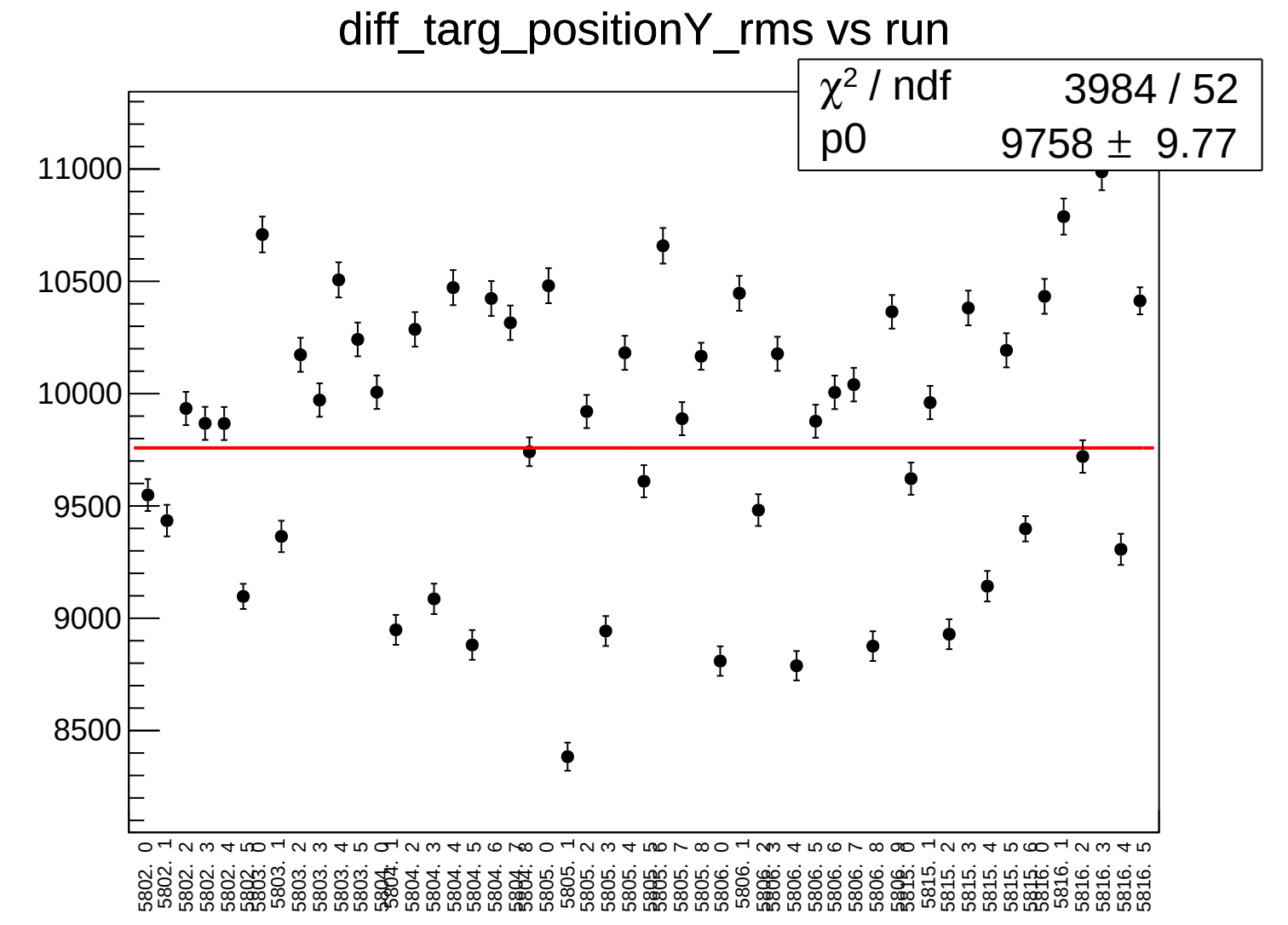

diff_targ_positionX_mean vs run
χ² / ndf 64.71 / 52
p0 5.364 ± 14.11
pull
Entries 53
Mean −85.62
Std Dev 0


pull1D
Entries 53
Mean −0.02614
Std Dev 1.105


diff_targ_positionX_rms vs run
χ² / ndf 4231 / 52
p0 9961 ± 9.974
11500
11000
10500
10000
9500
9000


diff_targ_positionY_mean vs run
χ² / ndf 45.55 / 52
p0 3.11 ± 13.82
pull
Entries 53
Mean −57.8
Std Dev 0


pull1D
Entries 53
Mean −0.01522
Std Dev 0.9269


diff_targ_positionY_rms vs run
χ² / ndf 3984 / 52
p0 9758 ± 9.77
11000
10500
10000
9500
9000
8500
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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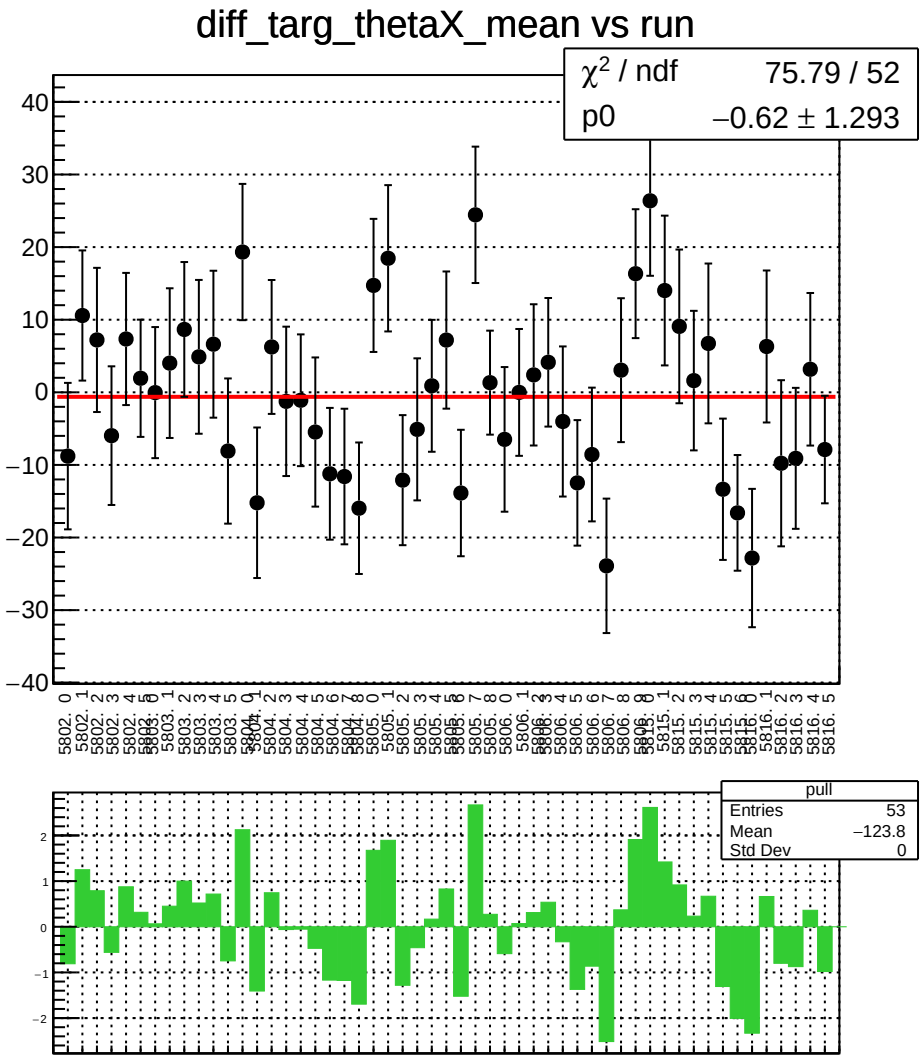
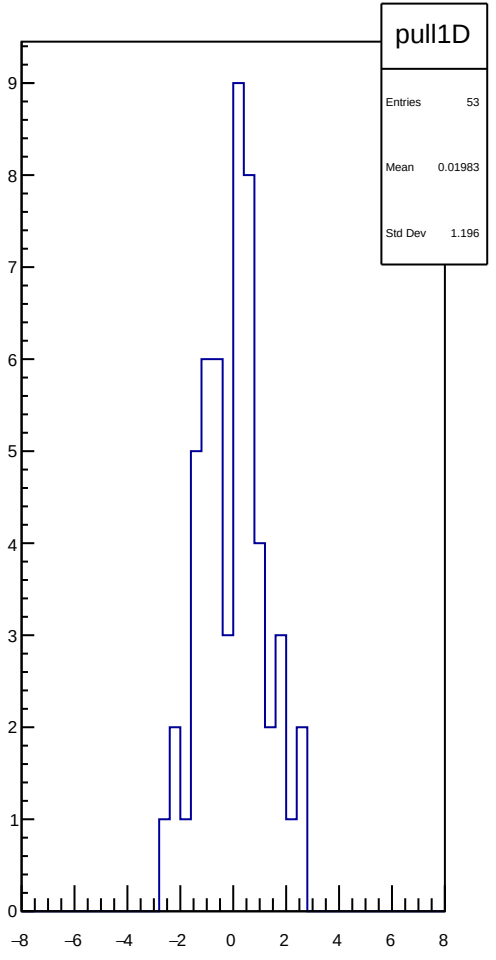
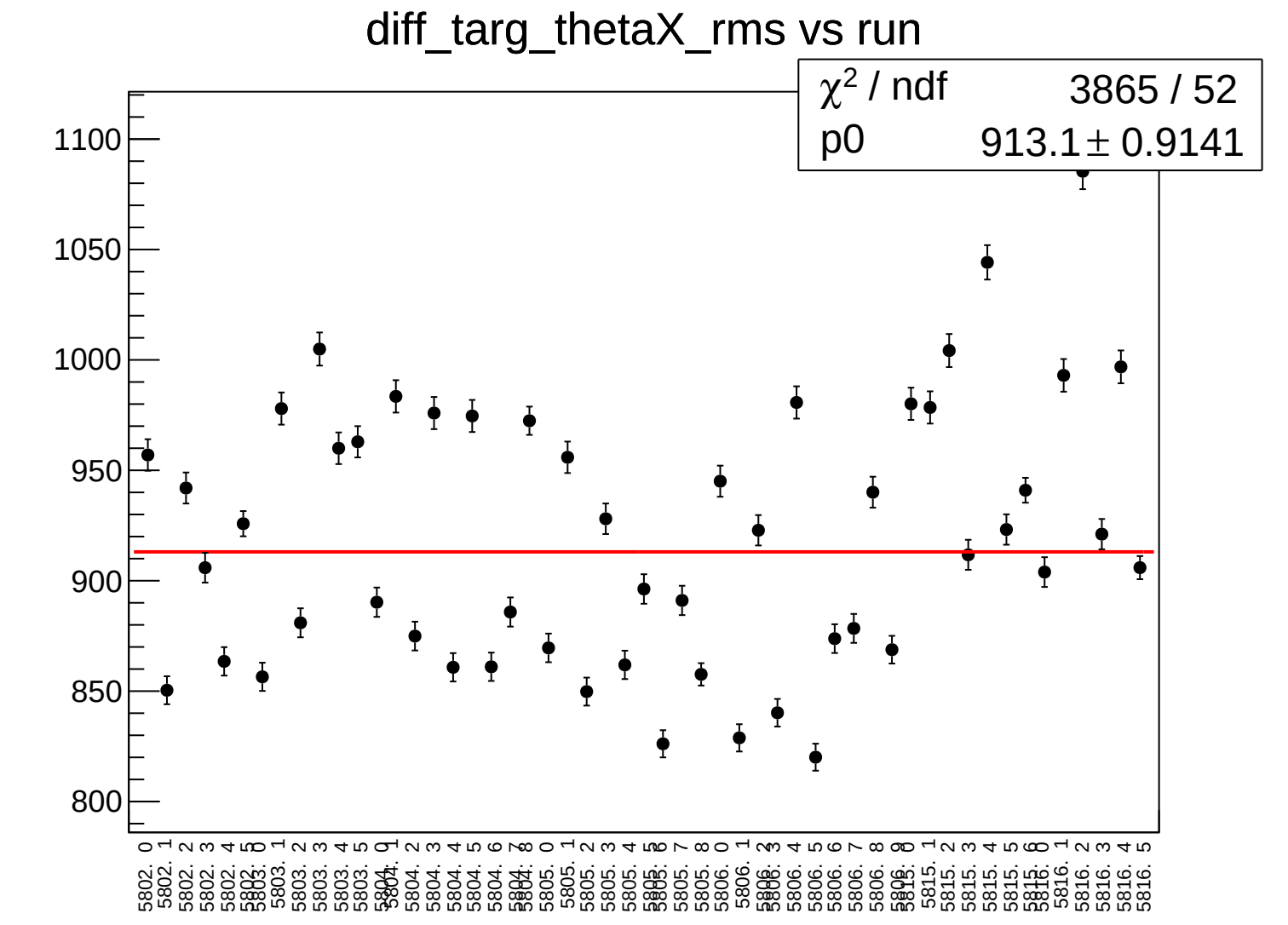
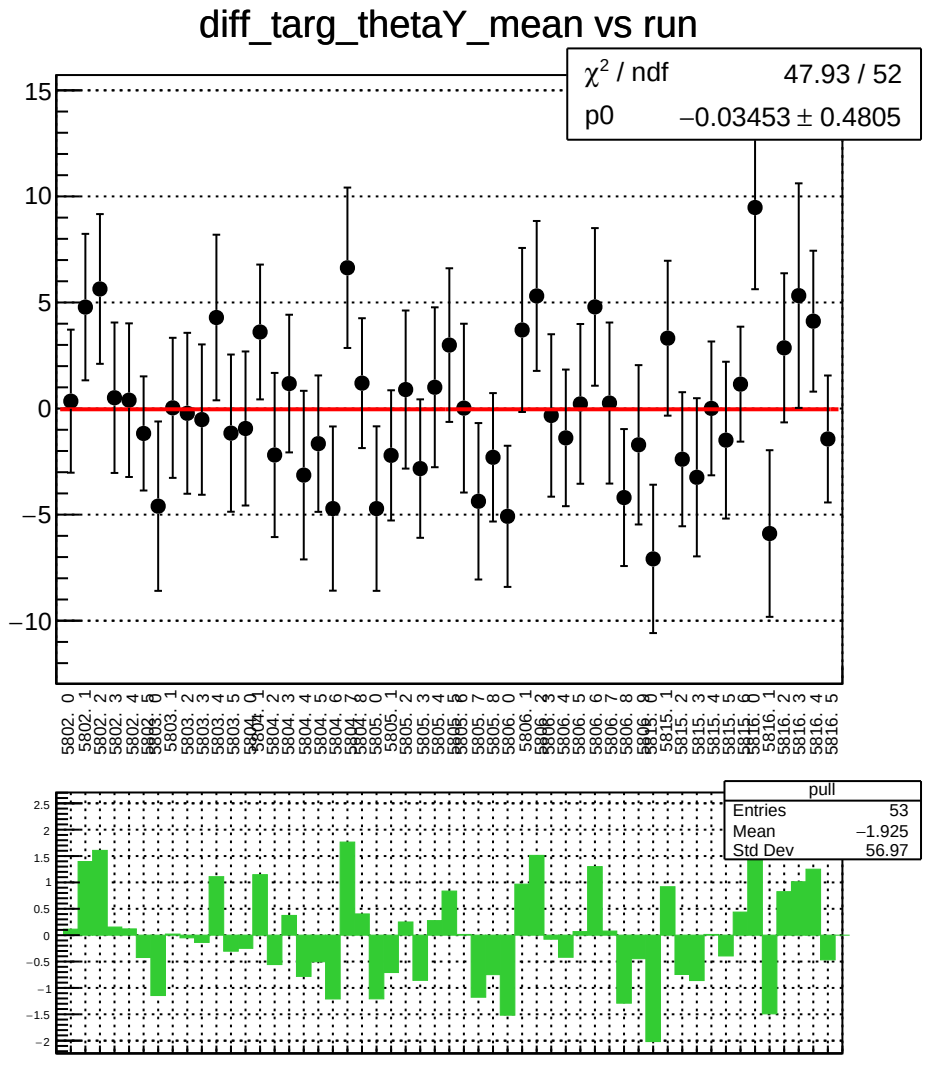
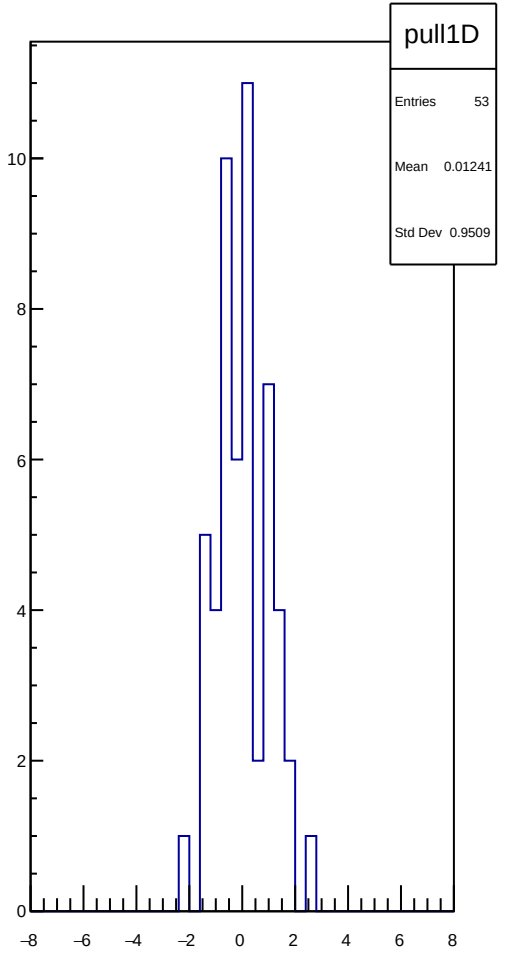
5816. 4
5816. 5

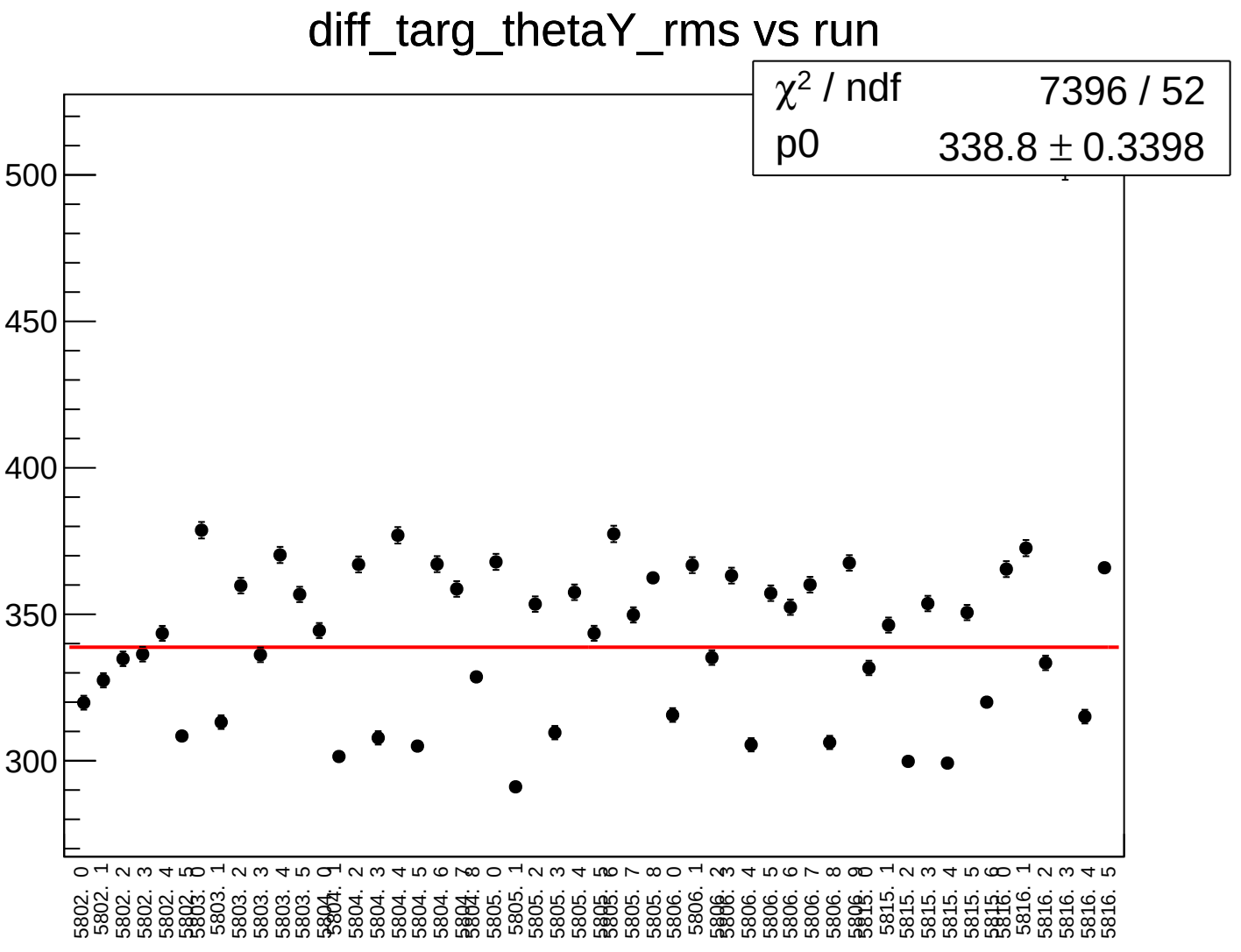

diff_targ_thetaX_mean vs run
χ² / ndf 75.79 / 52
p0 −0.62 ± 1.293
pull
Entries 53
Mean −123.8
Std Dev 0

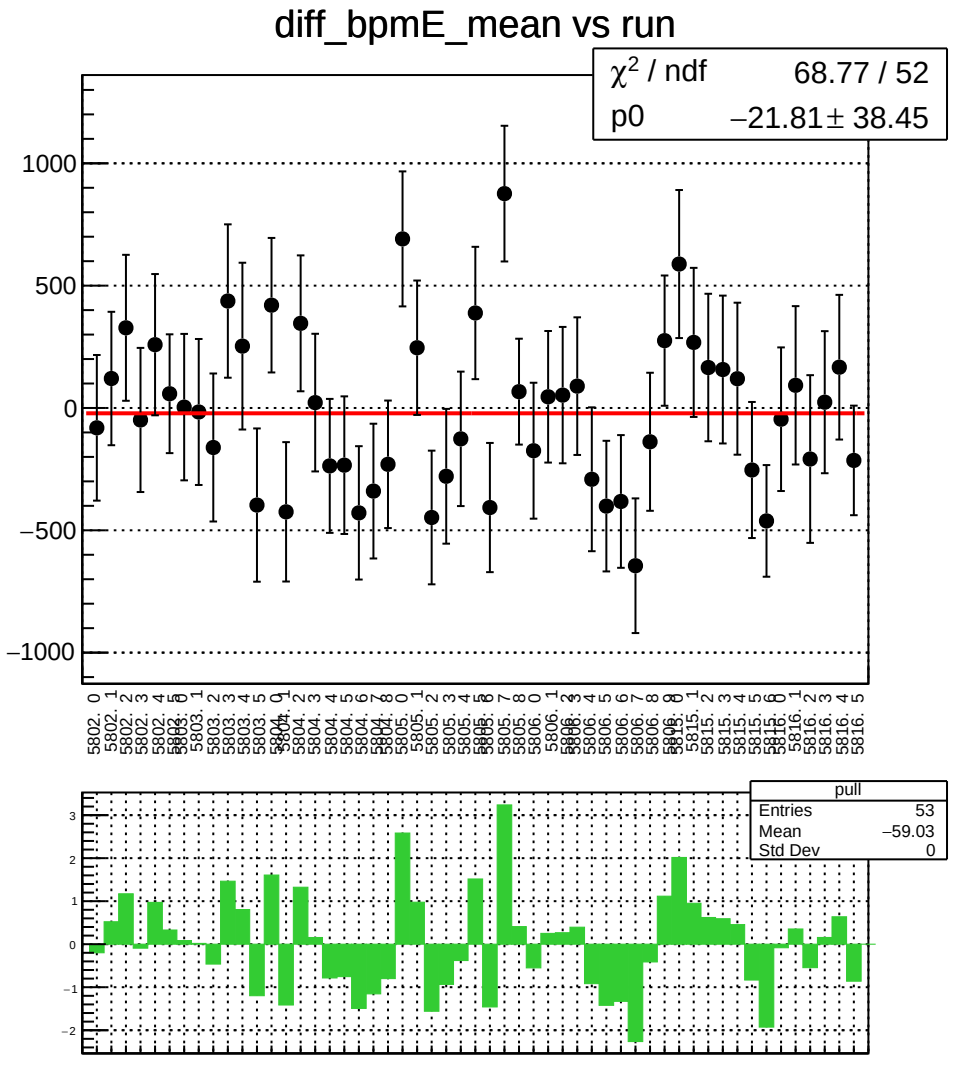

pull1D
Entries 53
Mean 0.01983
Std Dev 1.196

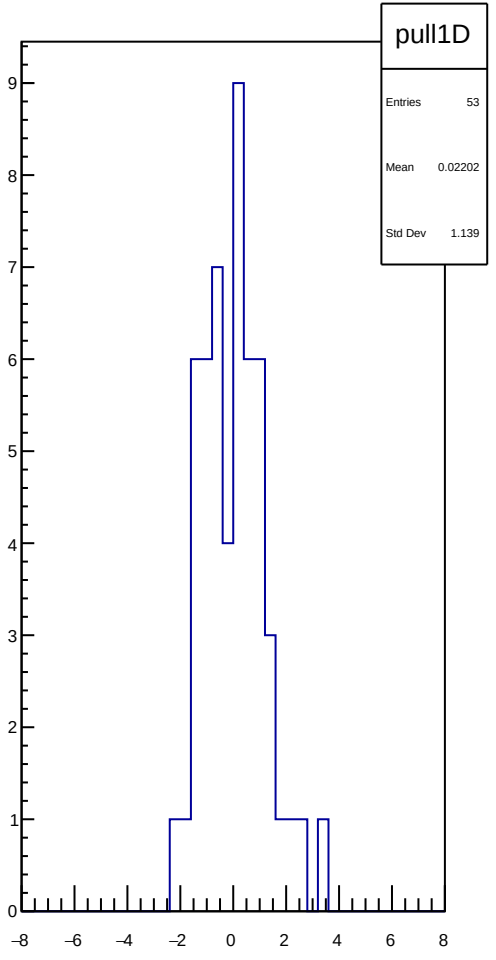

diff_targ_thetaX_rms vs run
χ² / ndf 3865 / 52
p0 913.1 ± 0.9141
1100
1050
1000
950
900
850
800

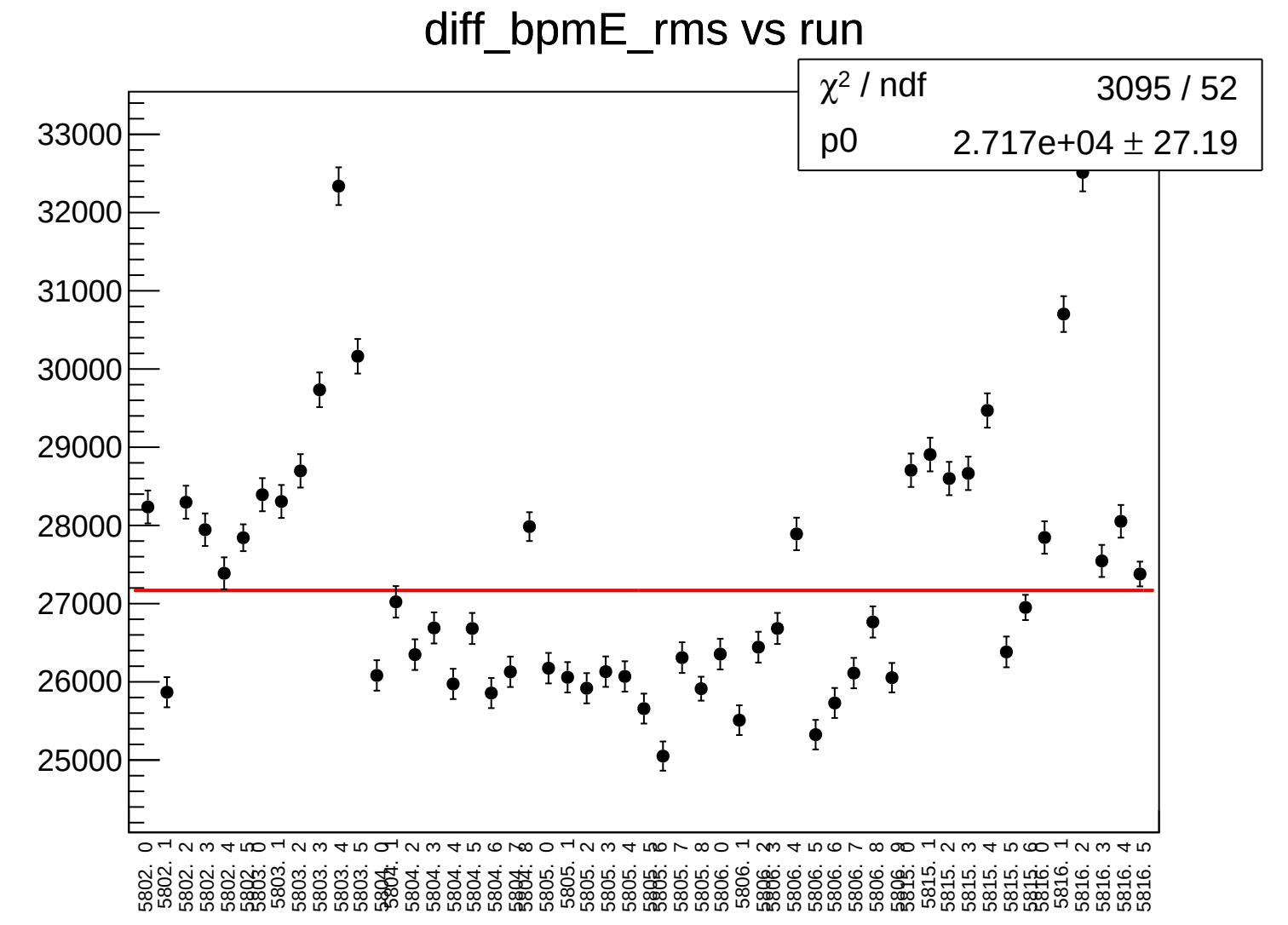

diff_targ_thetaY_mean vs run
χ² / ndf 47.93 / 52
p0 −0.03453 ± 0.4805
pull
Entries 53
Mean −1.925
Std Dev 56.97

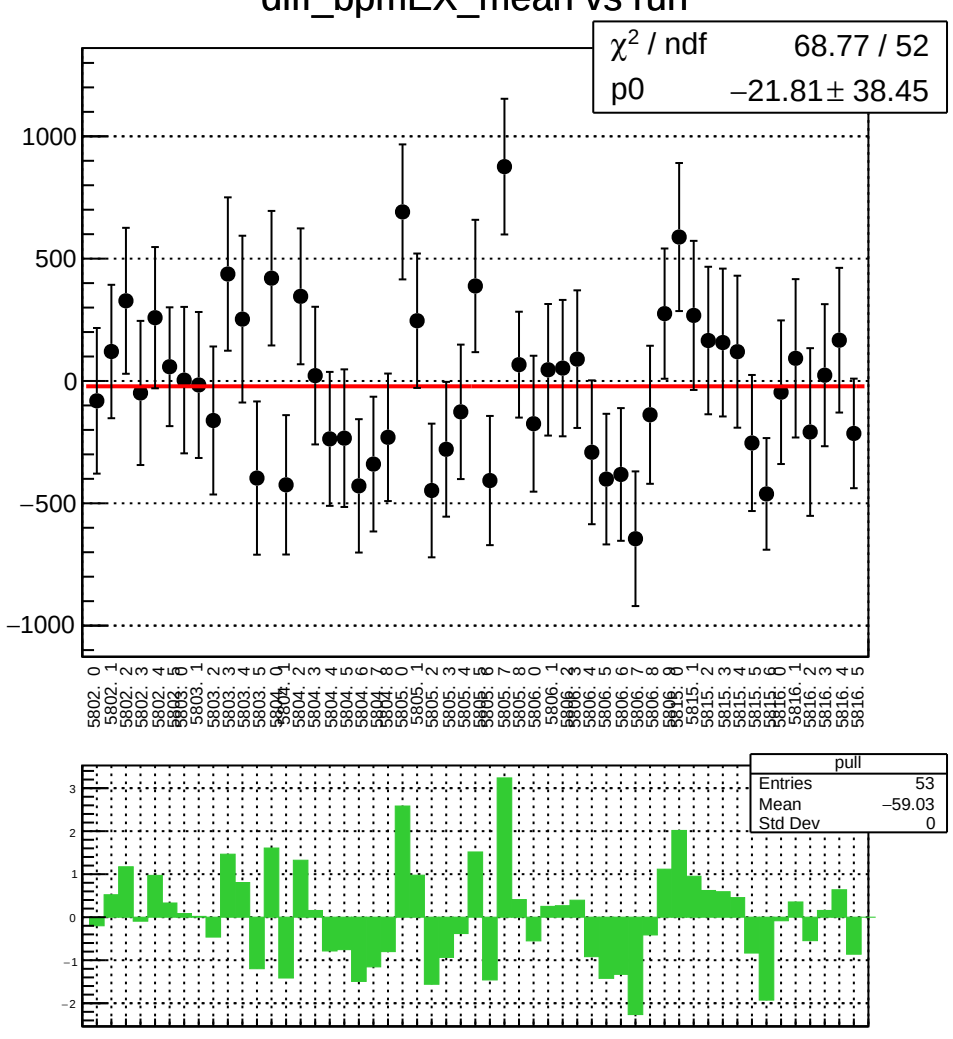

pull1D
Entries 53
Mean 0.01241
Std Dev 0.9509

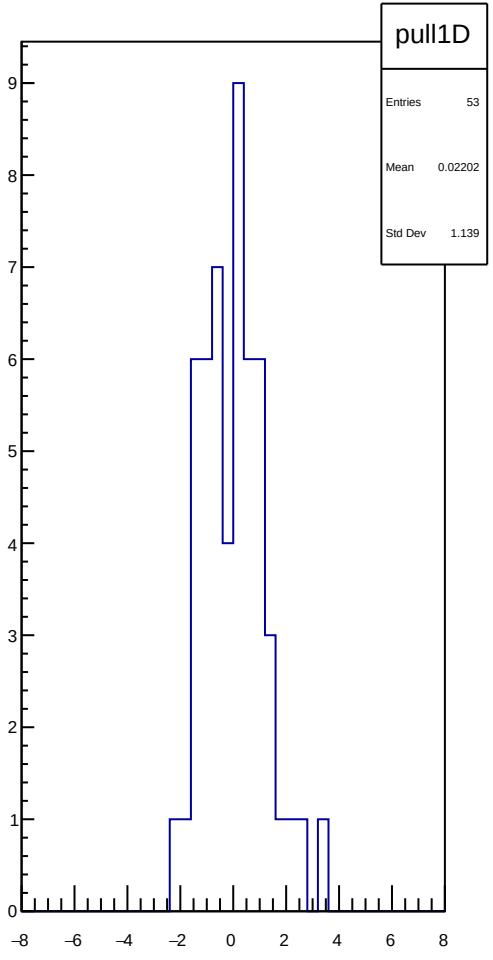

diff_targ_thetaY_rms vs run
χ² / ndf 7396 / 52
p0 338.8 ± 0.3398
500
450
400
350
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

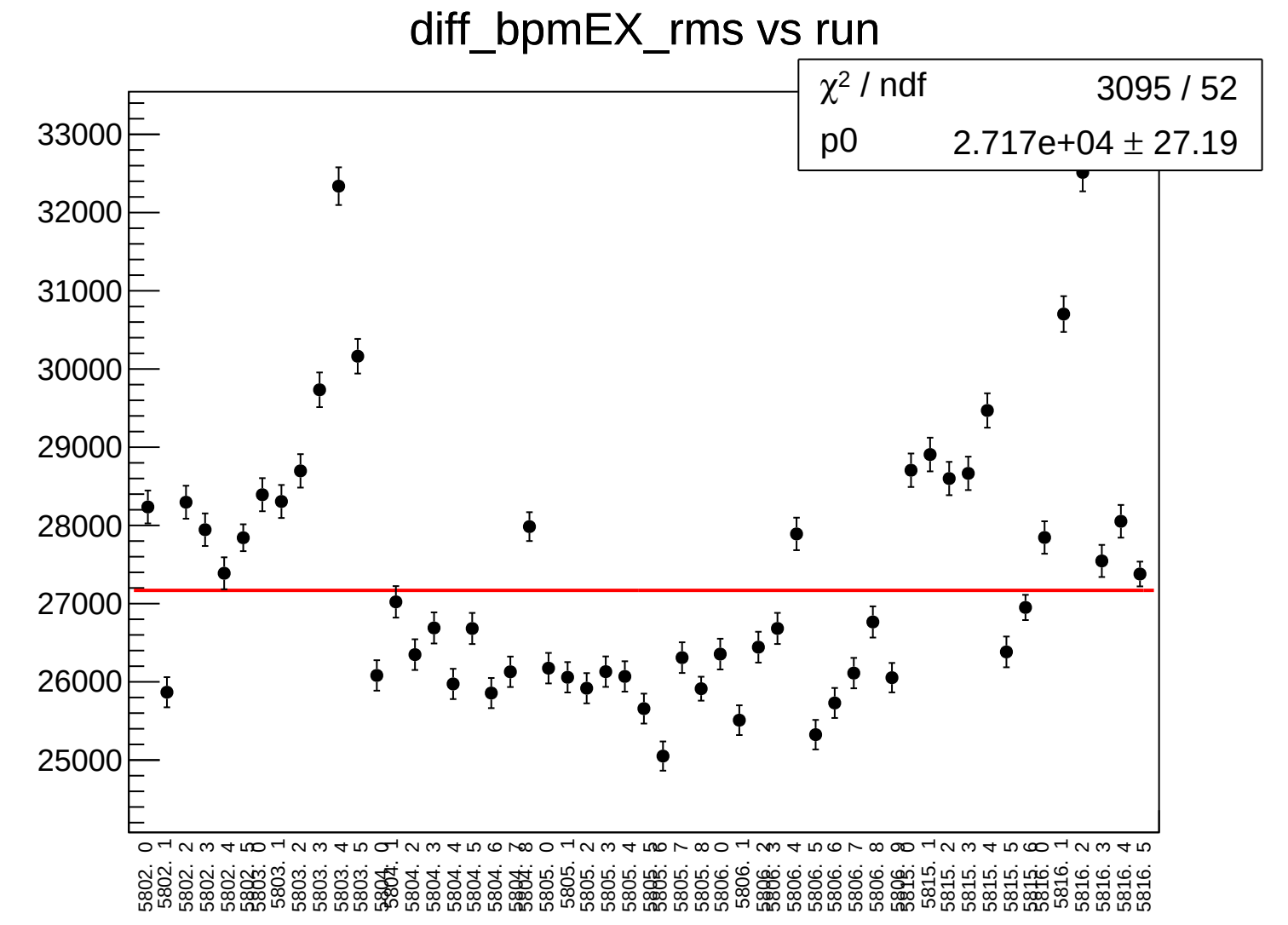

diff_bpmE_mean vs run
χ² / ndf 68.77 / 52
p0 −21.81 ± 38.45
1000
500
0
−500
−1000
pull
Entries 53
Mean −59.03
Std Dev 0

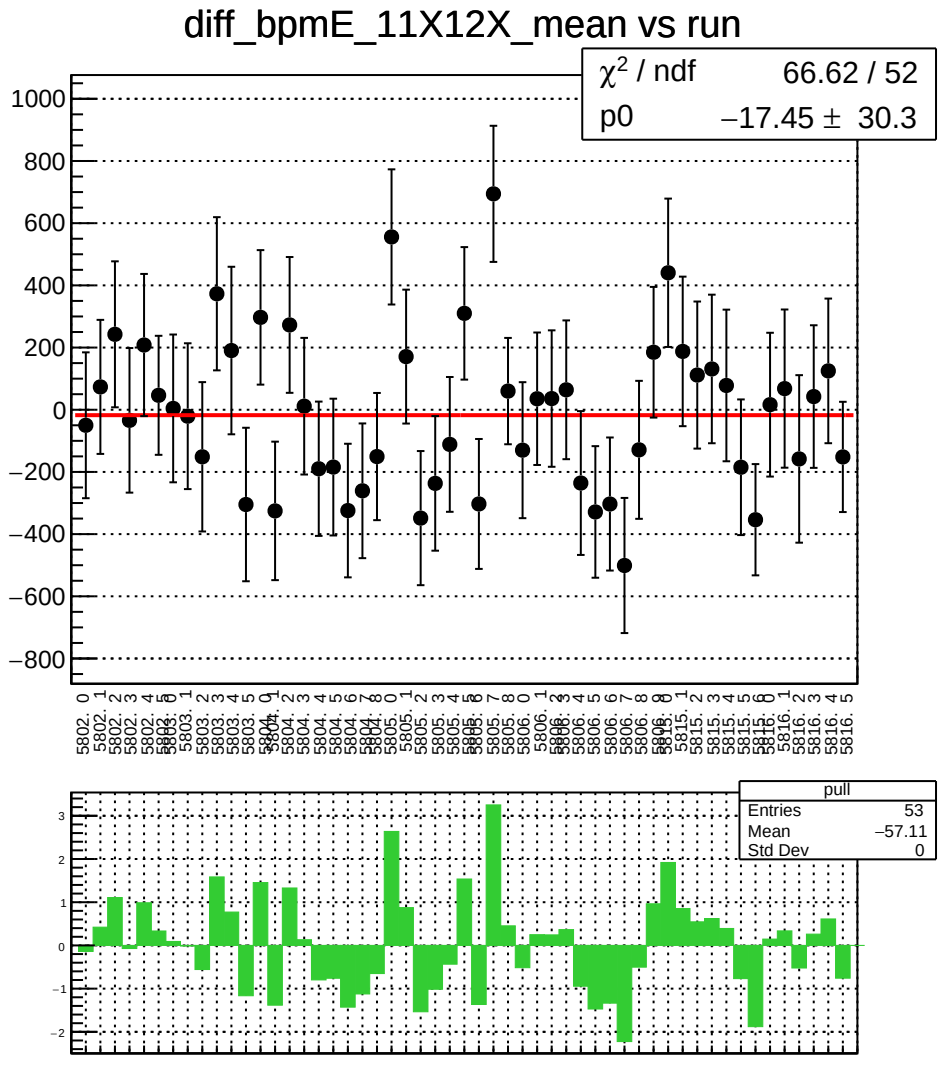

pull1D
Entries 53
Mean 0.02202
Std Dev 1.139

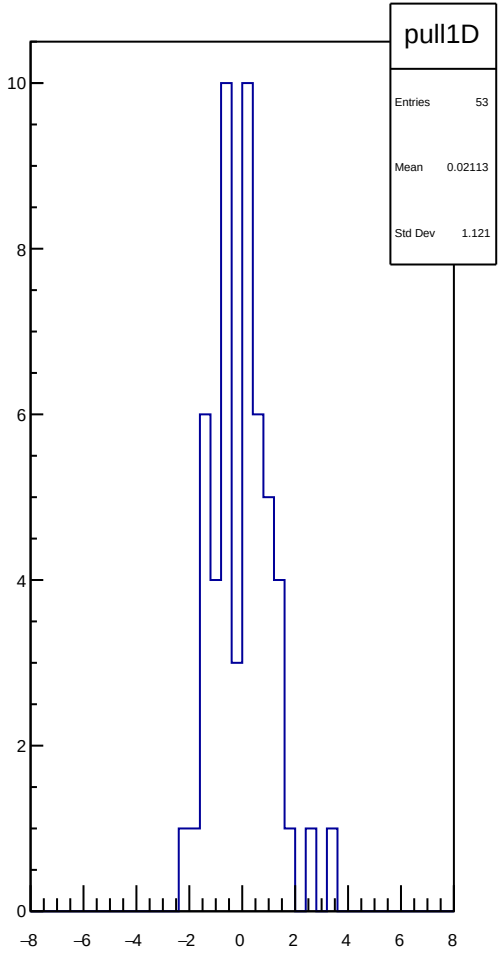

diff_bpmE_rms vs run
χ² / ndf 3095 / 52
p0 2.717e+04 ± 27.19
33000
32000
31000
30000
29000
28000
27000
26000
25000

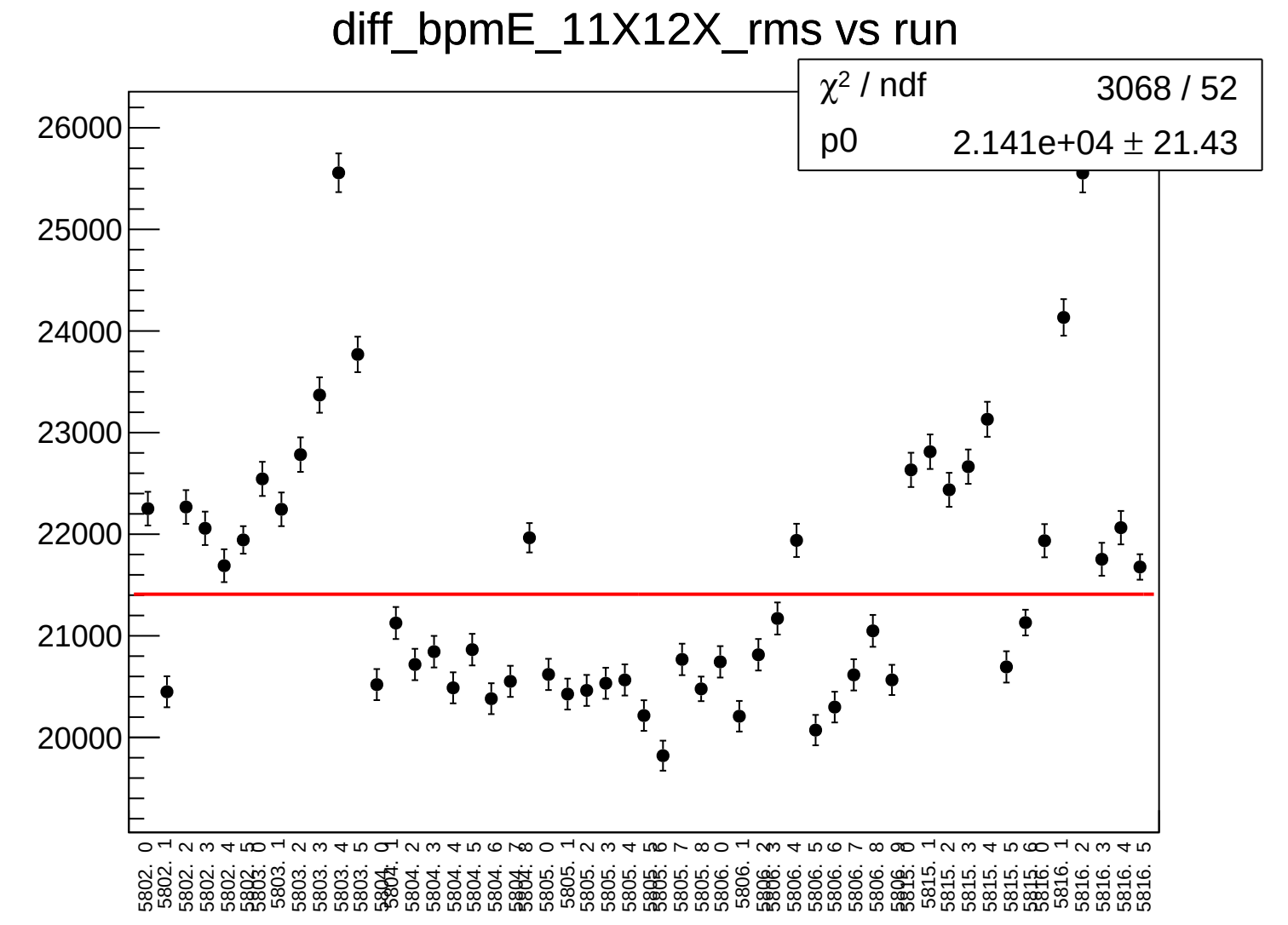

diff_bpmEX_mean vs run
χ² / ndf 68.77 / 52
p0 −21.81 ± 38.45
1000
500
0
−500
−1000
pull
Entries 53
Mean −59.03
Std Dev 0
3
2
1
0
−1
−2

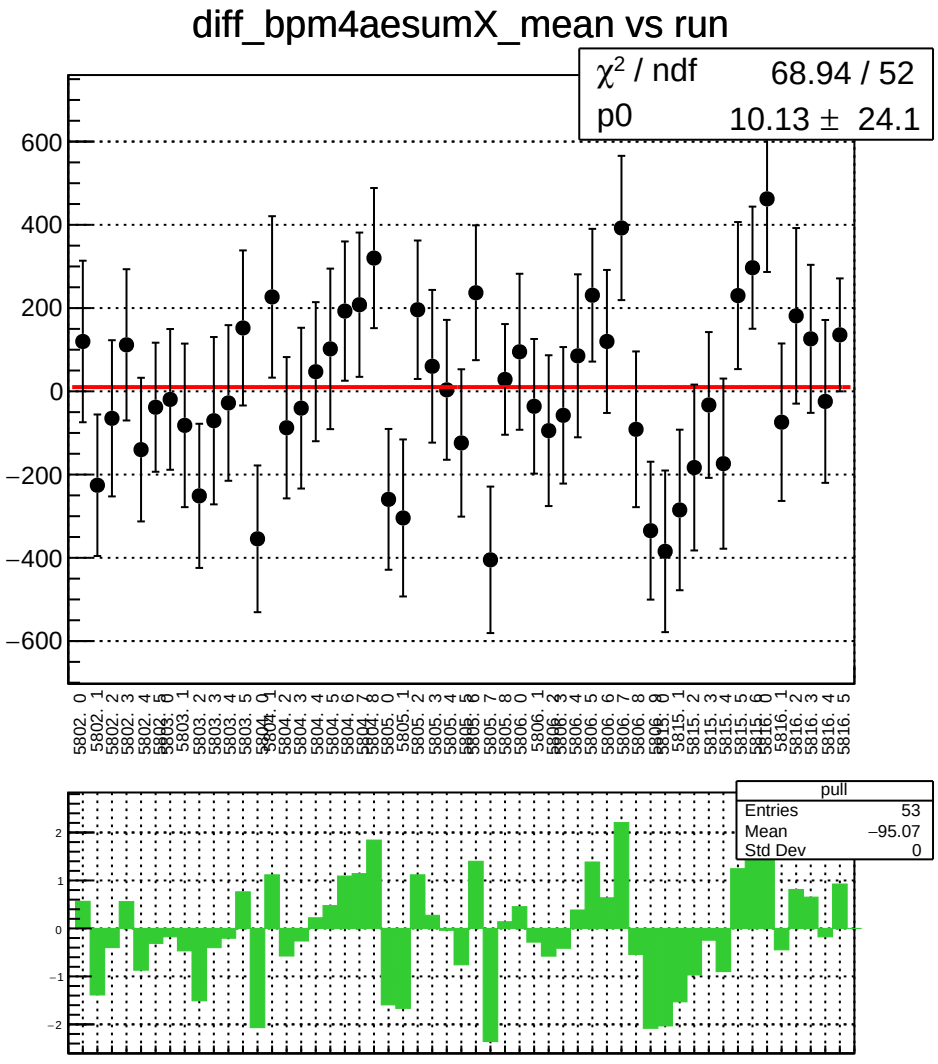

pull1D
Entries 53
Mean 0.02202
Std Dev 1.139
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

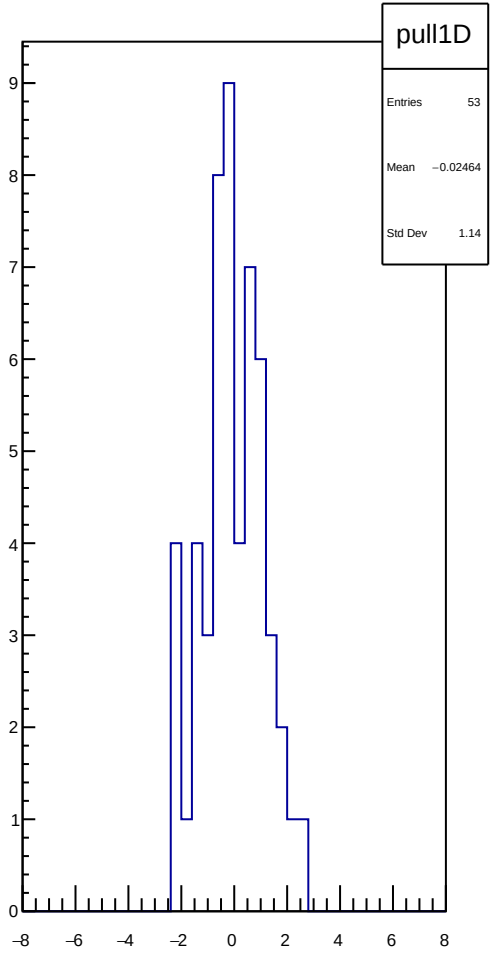

diff_bpmEX_rms vs run
χ² / ndf 3095 / 52
p0 2.717e+04 ± 27.19
33000
32000
31000
30000
29000
28000
27000
26000
25000

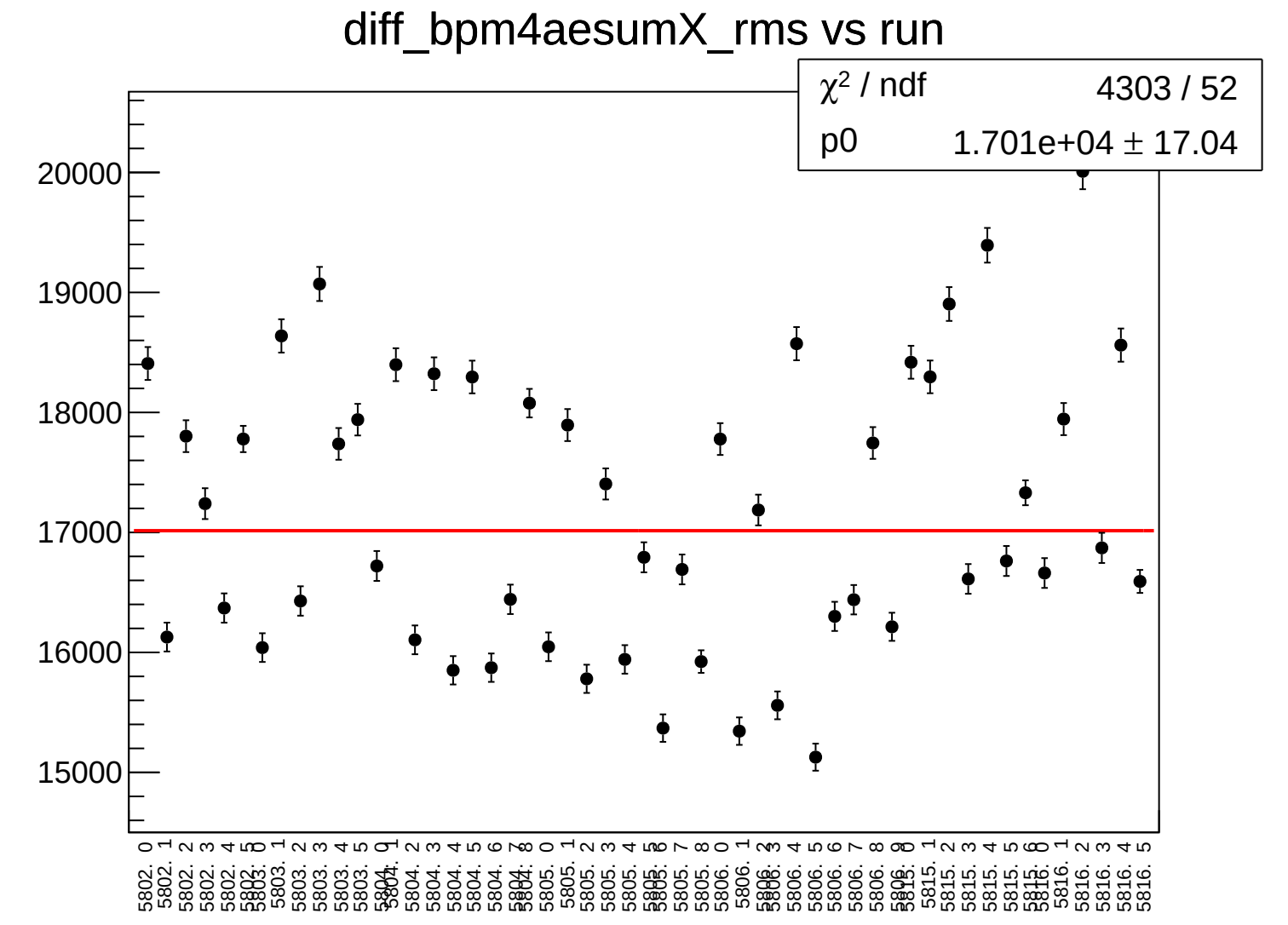

diff_bpmE_11X12X_mean vs run
χ² / ndf 66.62 / 52
p0 −17.45 ± 30.3
pull
Entries 53
Mean −57.11
Std Dev 0


pull1D
Entries 53
Mean 0.02113
Std Dev 1.121


diff_bpmE_11X12X_rms vs run
χ² / ndf 3068 / 52
p0 2.141e+04 ± 21.43
26000
25000
24000
23000
22000
21000
20000


diff_bpm4aesumX_mean vs run
χ² / ndf 68.94 / 52
p0 10.13 ± 24.1
pull
Entries 53
Mean −95.07
Std Dev 0


pull1D
Entries 53
Mean −0.02464
Std Dev 1.14


diff_bpm4aesumX_rms vs run
χ² / ndf 4303 / 52
p0 1.701e+04 ± 17.04
20000
19000
18000
17000
16000
15000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
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5806. 4
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5806. 6
5806. 7
5806. 8
5815. 1
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5815. 3
5815. 4
5815. 5
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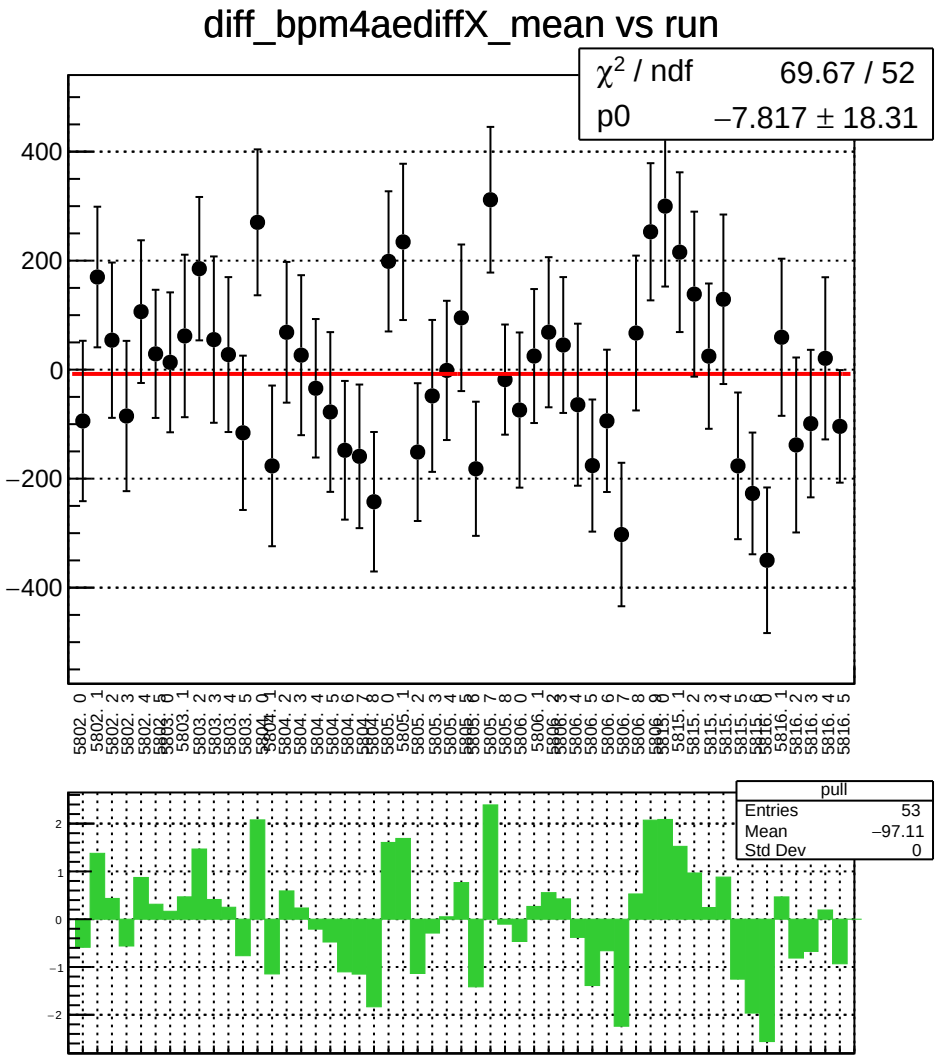
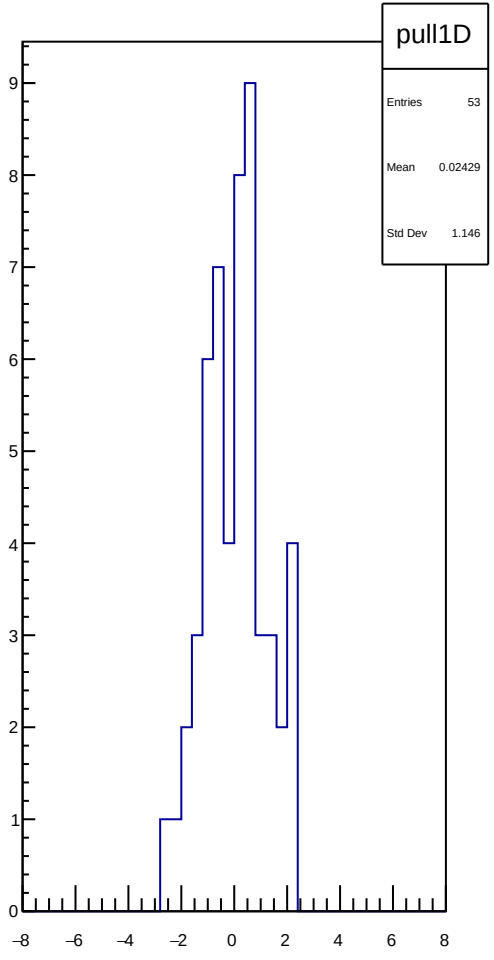
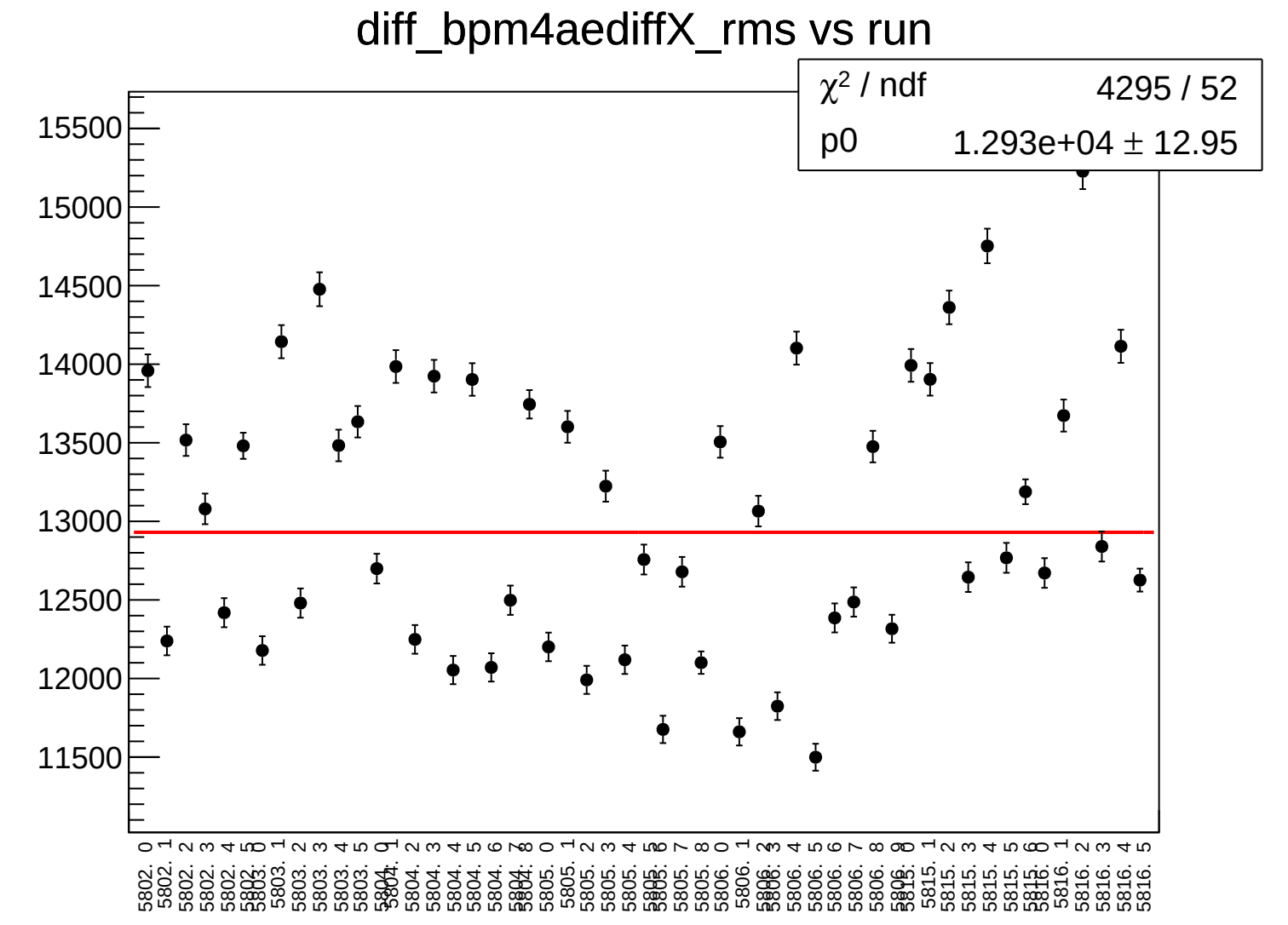
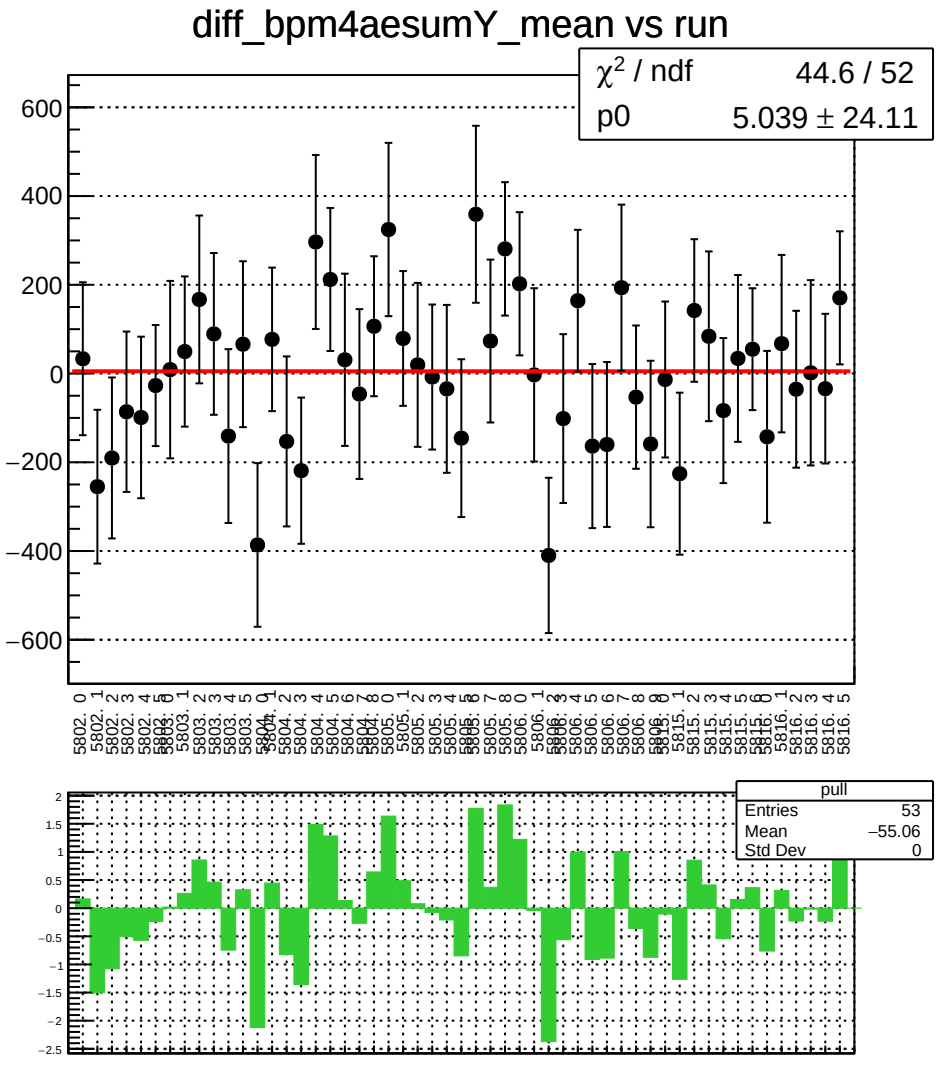
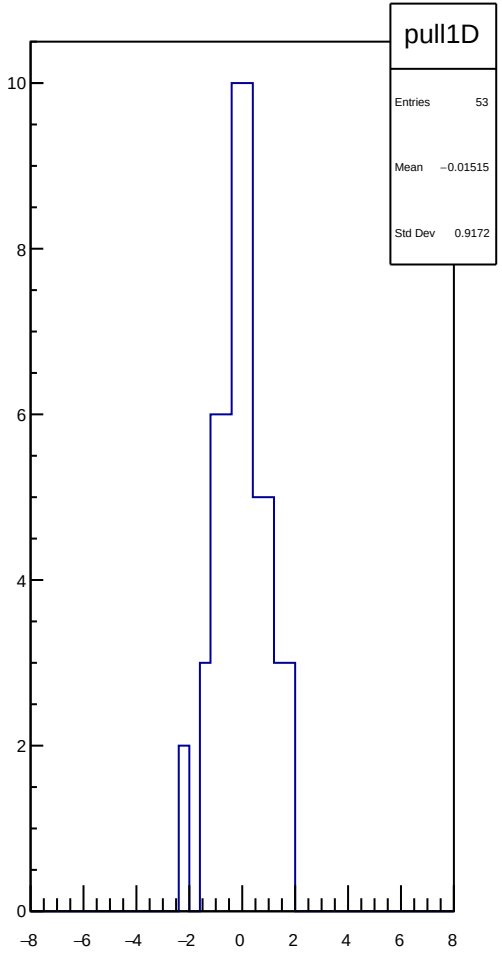
5816. 4
5816. 5

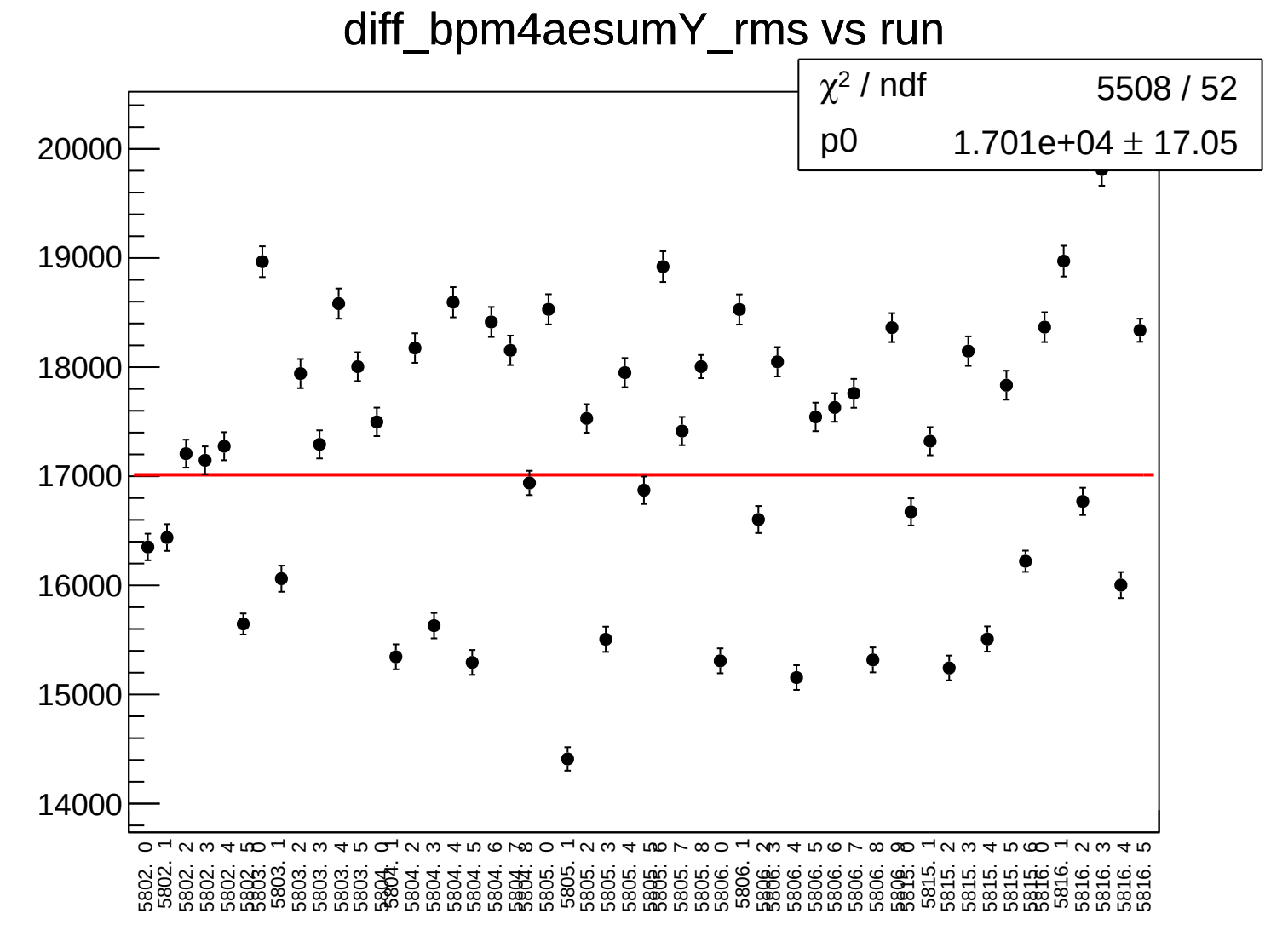

diff_bpm4aediffX_mean vs run
χ² / ndf 69.67 / 52
p0 −7.817 ± 18.31
400
200
0
−200
−400
pull
Entries 53
Mean −97.11
Std Dev 0
2
1
0
−1
−2

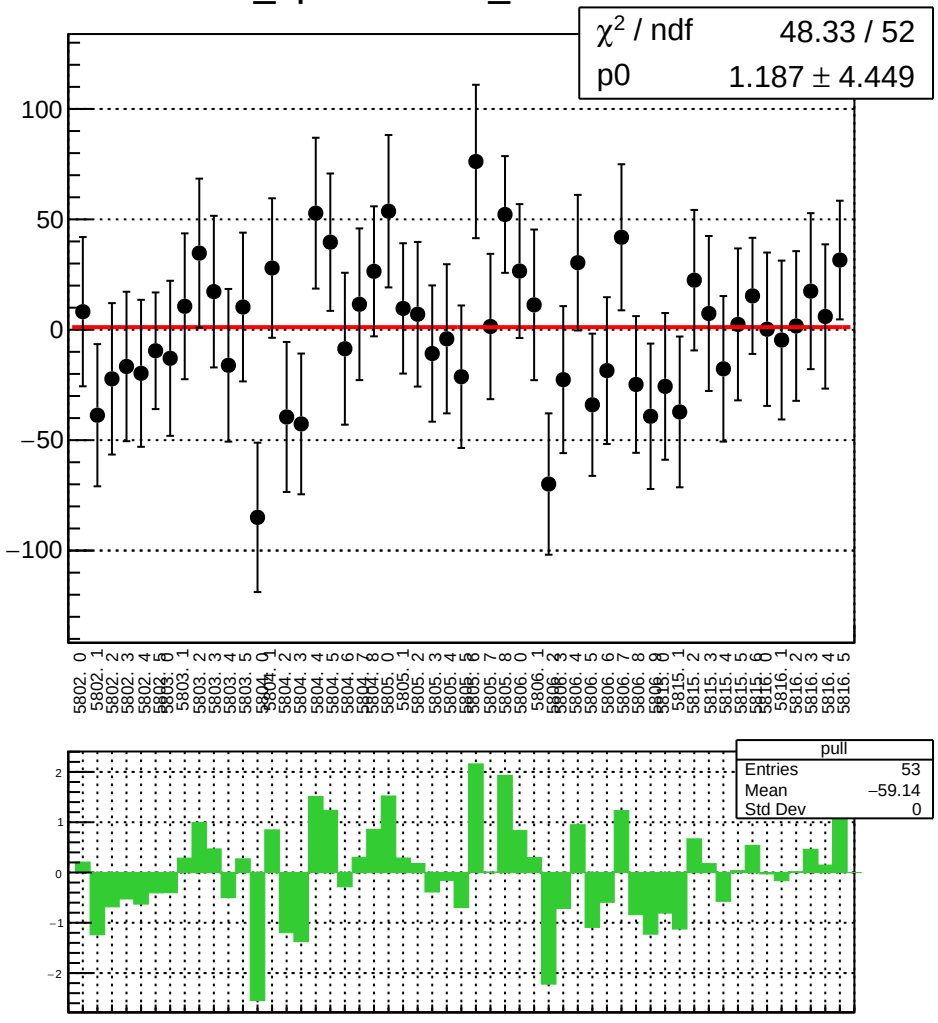

pull1D
Entries 53
Mean 0.02429
Std Dev 1.146
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

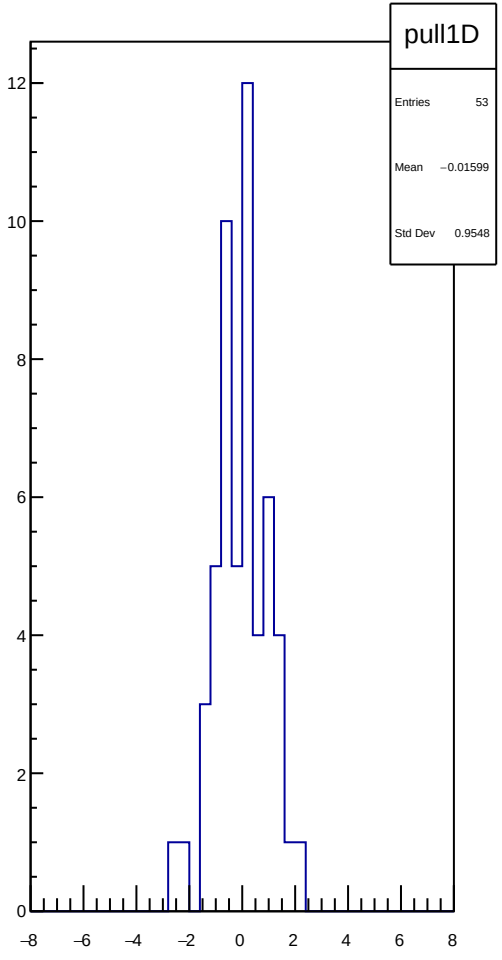

diff_bpm4aediffX_rms vs run
χ² / ndf 4295 / 52
p0 1.293e+04 ± 12.95
15500
15000
14500
14000
13500
13000
12500
12000
11500

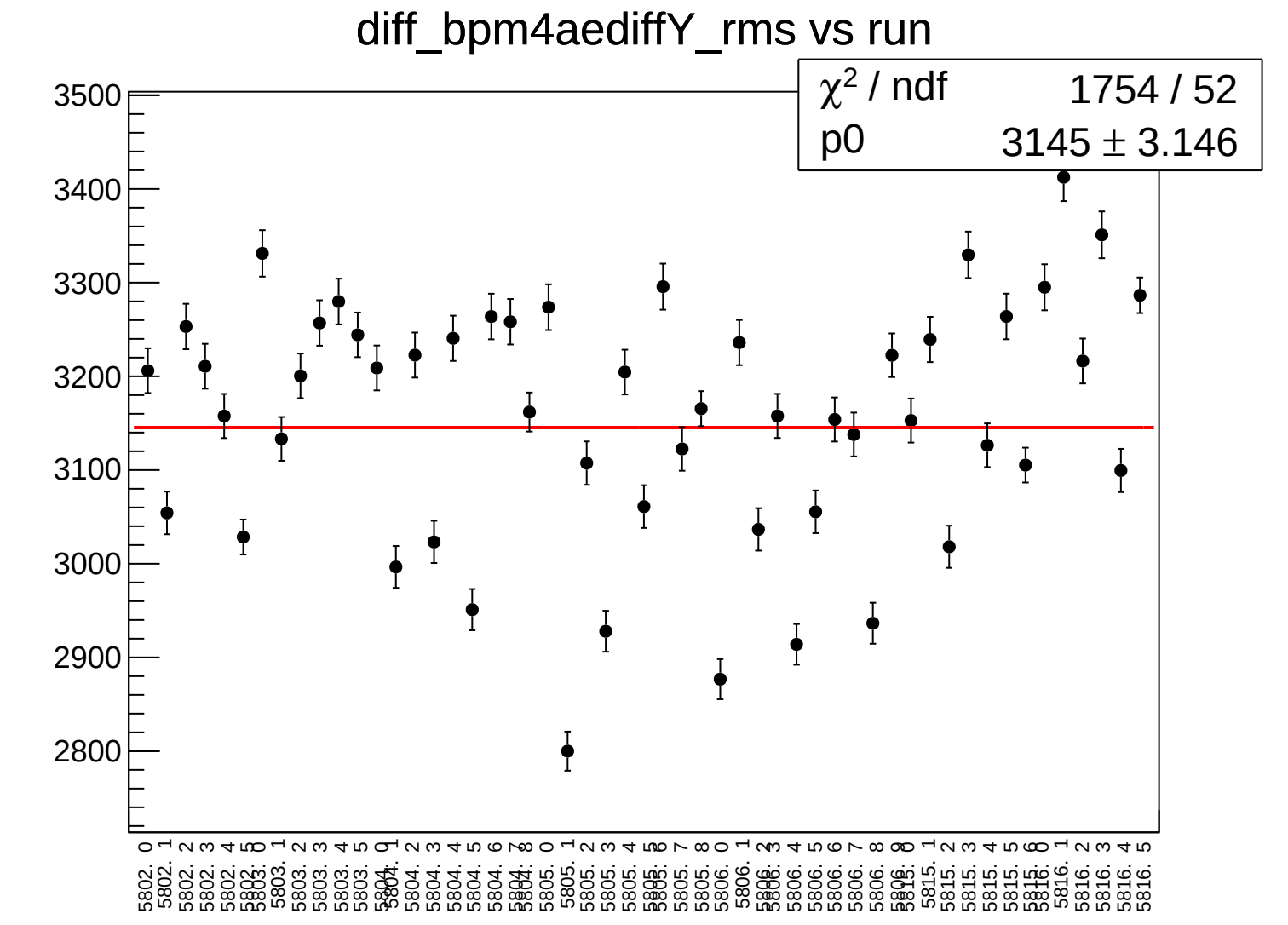

diff_bpm4aesumY_mean vs run
χ² / ndf 44.6 / 52
p0 5.039 ± 24.11
pull
Entries 53
Mean −55.06
Std Dev 0

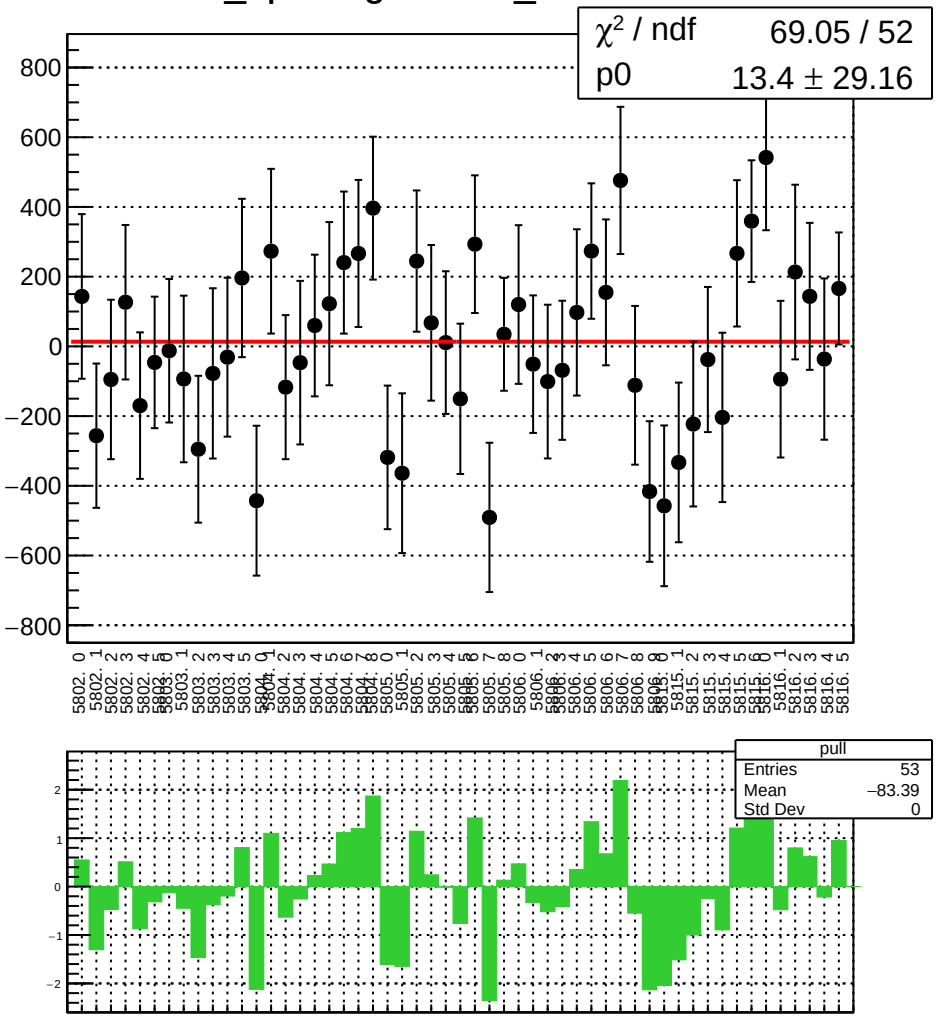

pull1D
Entries 53
Mean −0.01515
Std Dev 0.9172

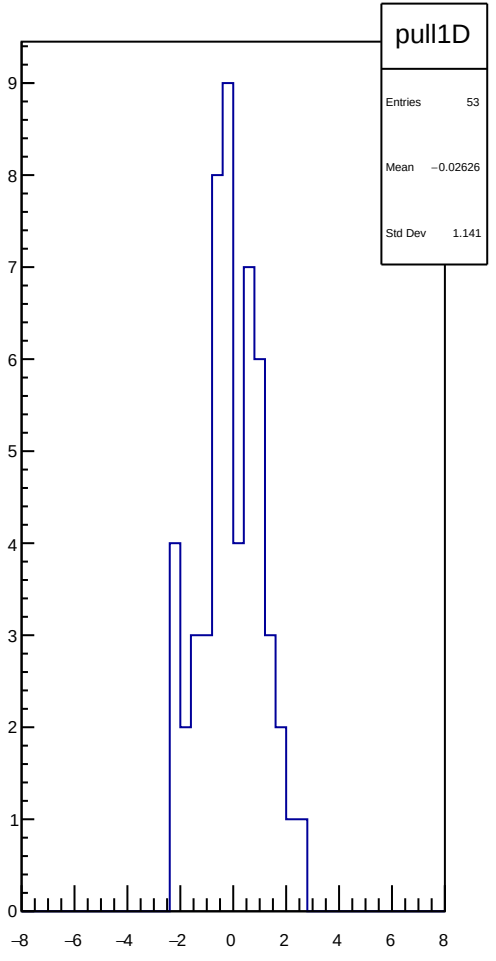

diff_bpm4aesumY_rms vs run
χ² / ndf 5508 / 52
p0 1.701e+04 ± 17.05
20000
19000
18000
17000
16000
15000
14000

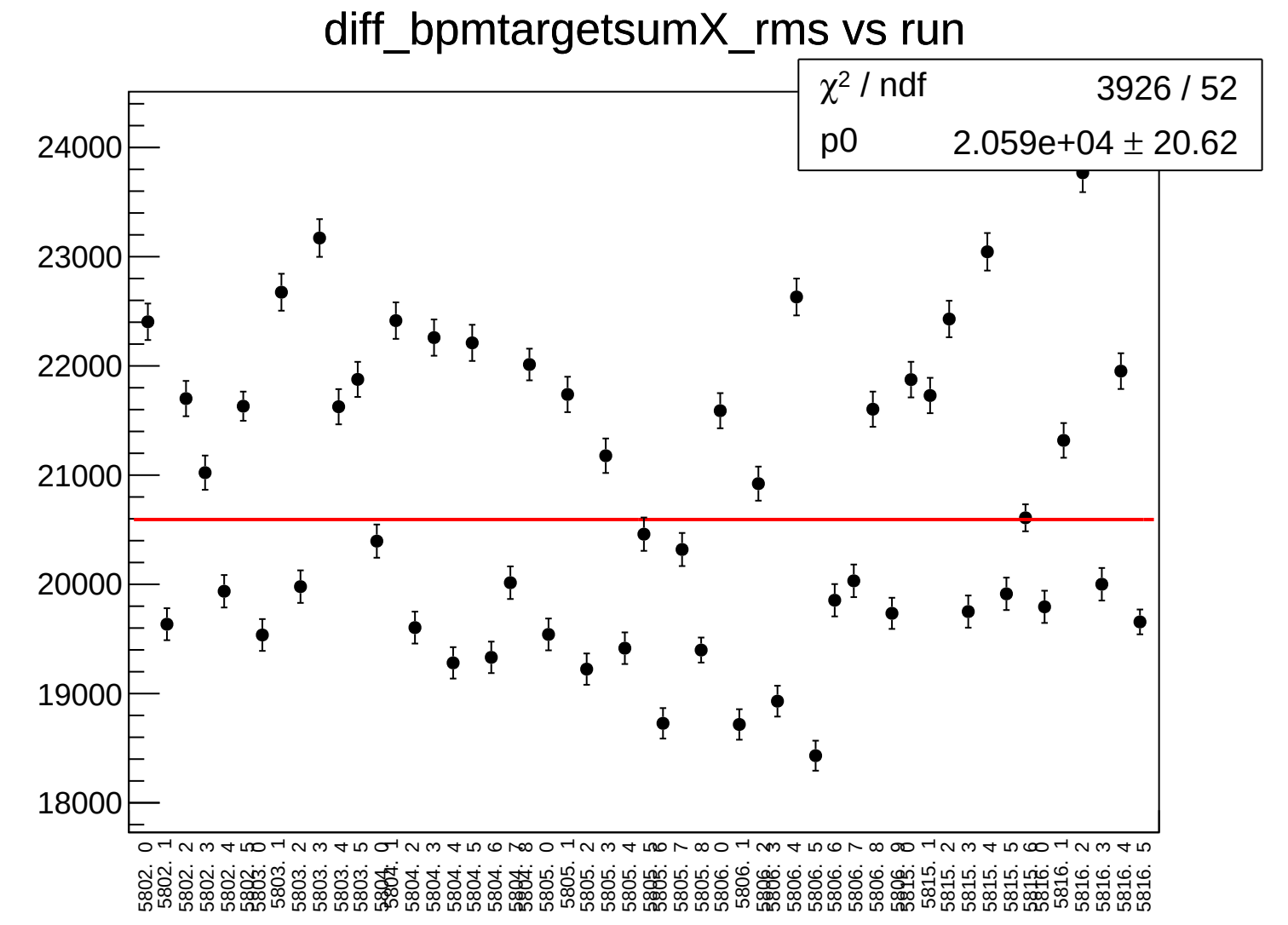

diff_bpm4aediffY_mean vs run
χ² / ndf 48.33 / 52
p0 1.187 ± 4.449
100
50
0
−50
−100
pull
Entries 53
Mean −59.14
Std Dev 0
2
1
0
−1
−2

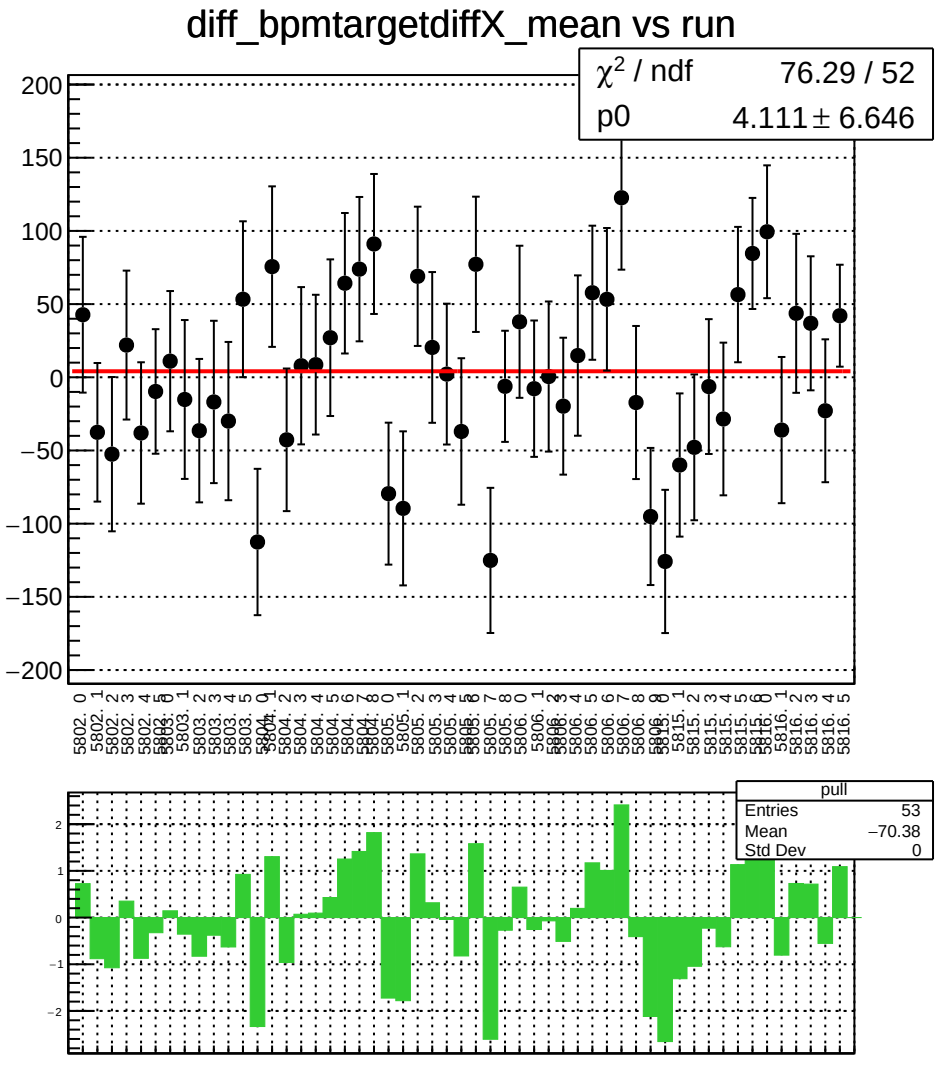

pull1D
Entries 53
Mean −0.01599
Std Dev 0.9548
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

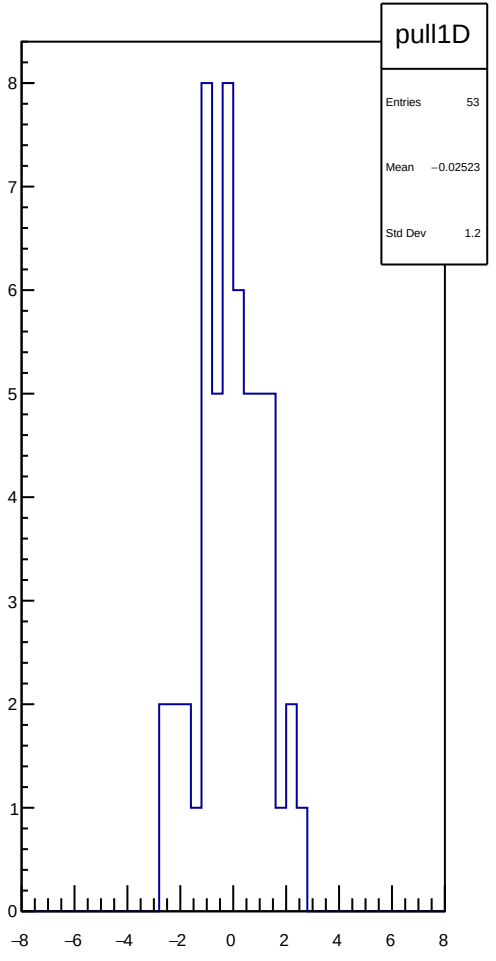

diff_bpm4aediffY_rms vs run
χ² / ndf 1754 / 52
p0 3145 ± 3.146
3500
3400
3300
3200
3100
3000
2900
2800

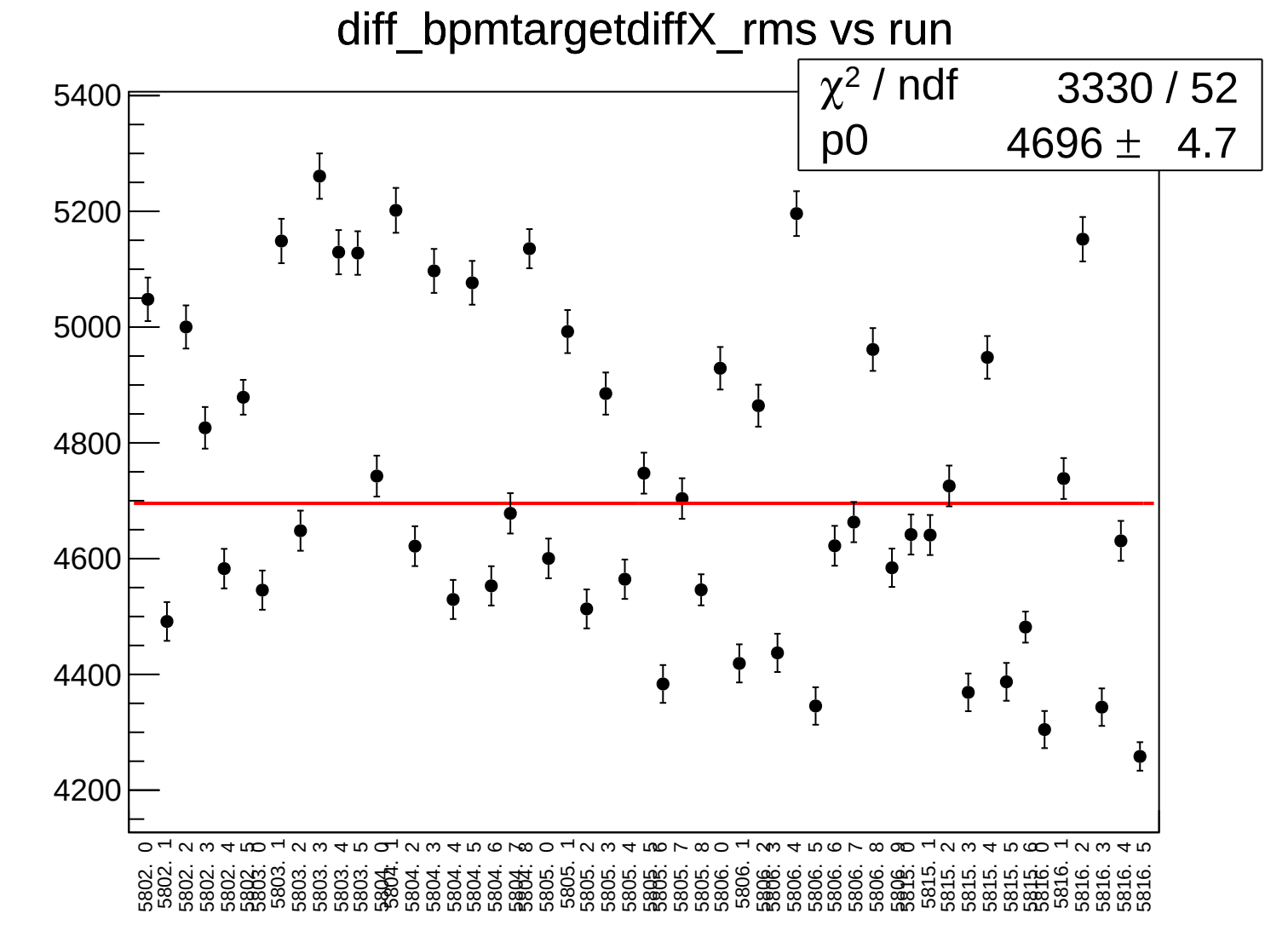

diff_bpmtargetsumX_mean vs run
χ² / ndf 69.05 / 52
p0 13.4 ± 29.16
pull
Entries 53
Mean −83.39
Std Dev 0

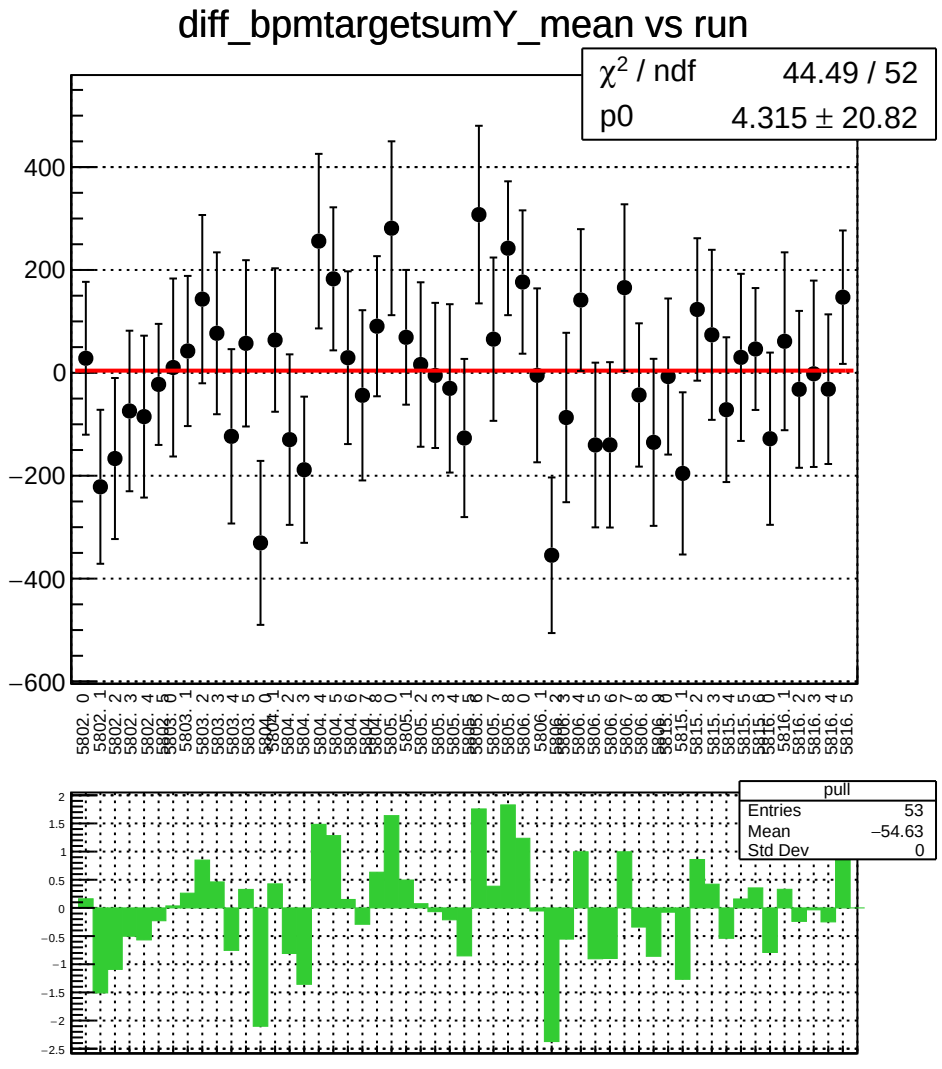

pull1D
Entries 53
Mean −0.02626
Std Dev 1.141

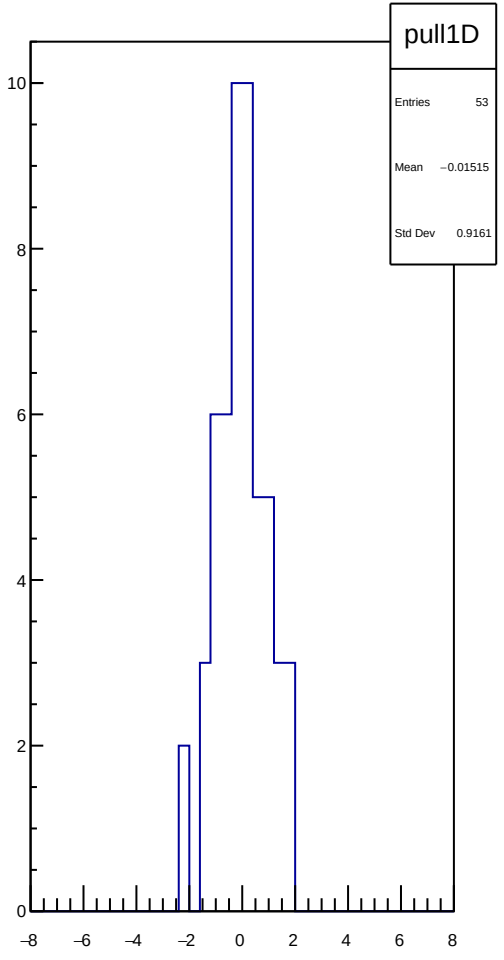

diff_bpmtargetsumX_rms vs run
χ² / ndf 3926 / 52
p0 2.059e+04 ± 20.62
24000
23000
22000
21000
20000
19000
18000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

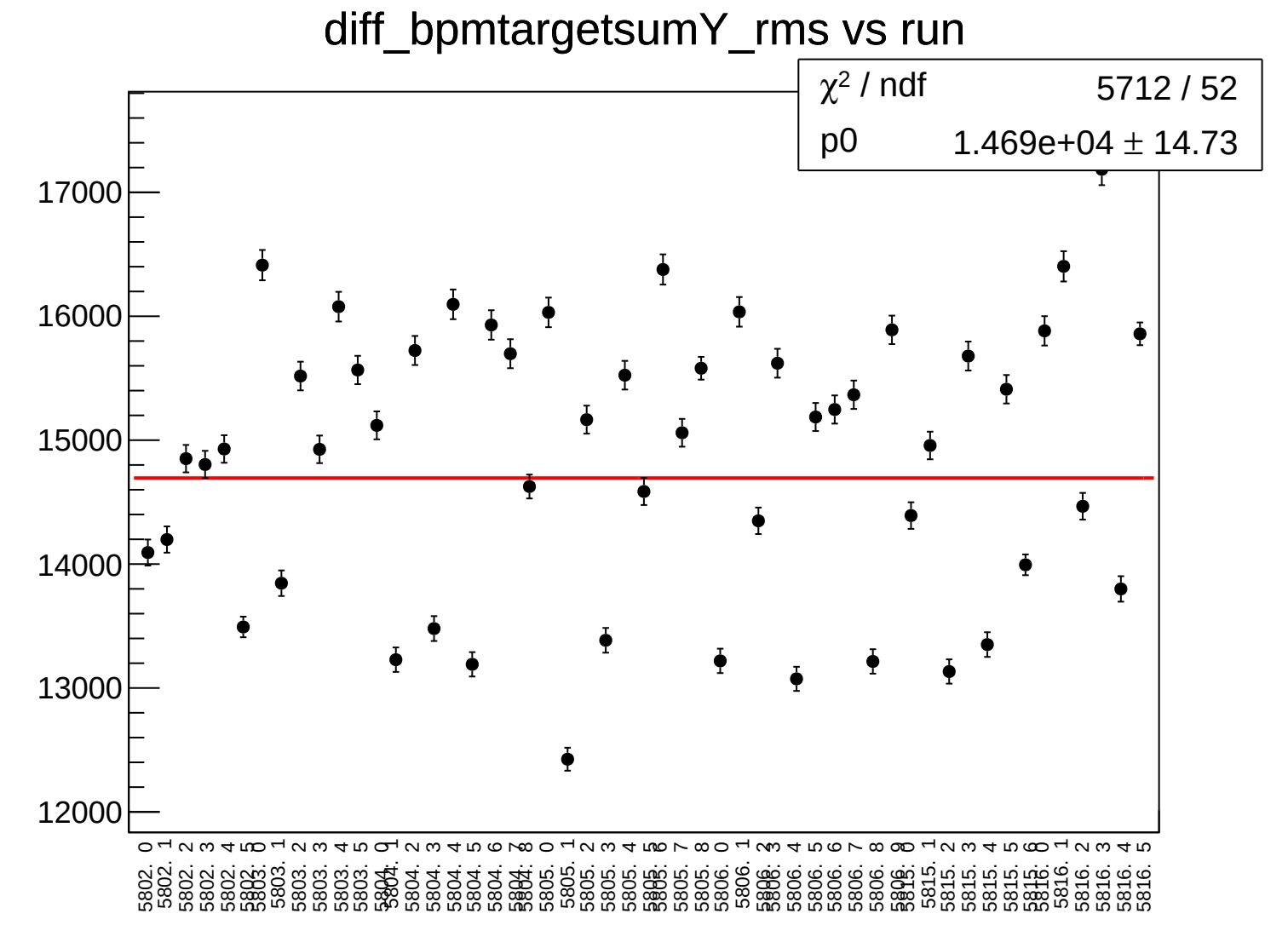

diff_bpmtargetdiffX_mean vs run
χ² / ndf 76.29 / 52
p0 4.111 ± 6.646
pull
Entries 53
Mean −70.38
Std Dev 0

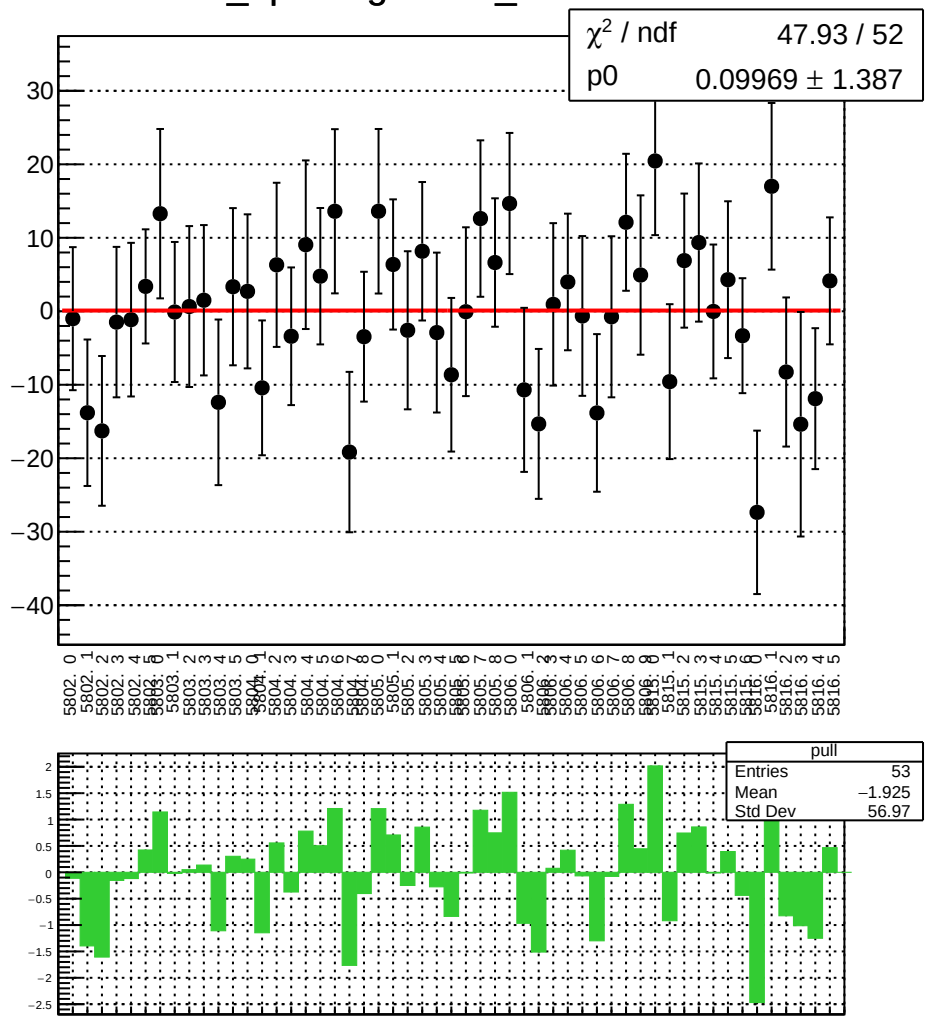

pull1D
Entries 53
Mean −0.02523
Std Dev 1.2

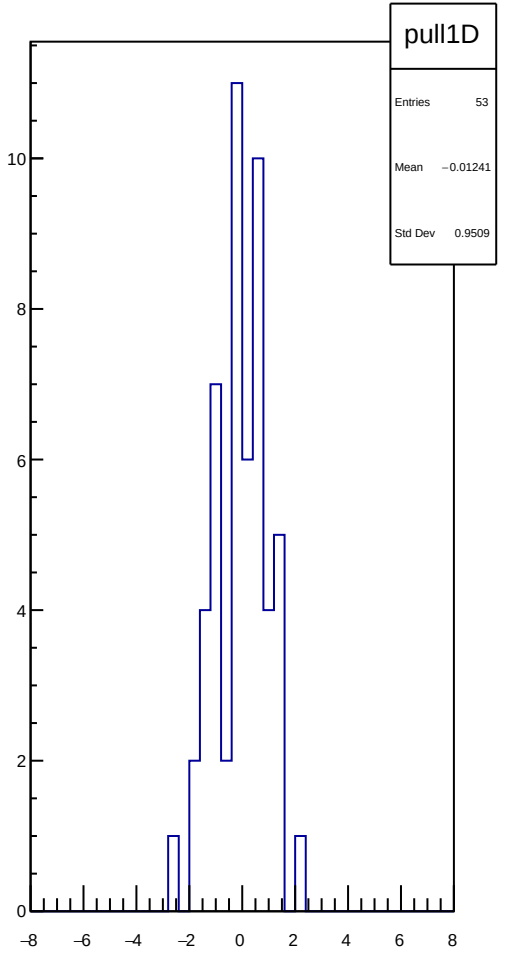

diff_bpmtargetdiffX_rms vs run
χ² / ndf 3330 / 52
p0 4696 ± 4.7
5400
5200
5000
4800
4600
4400
4200

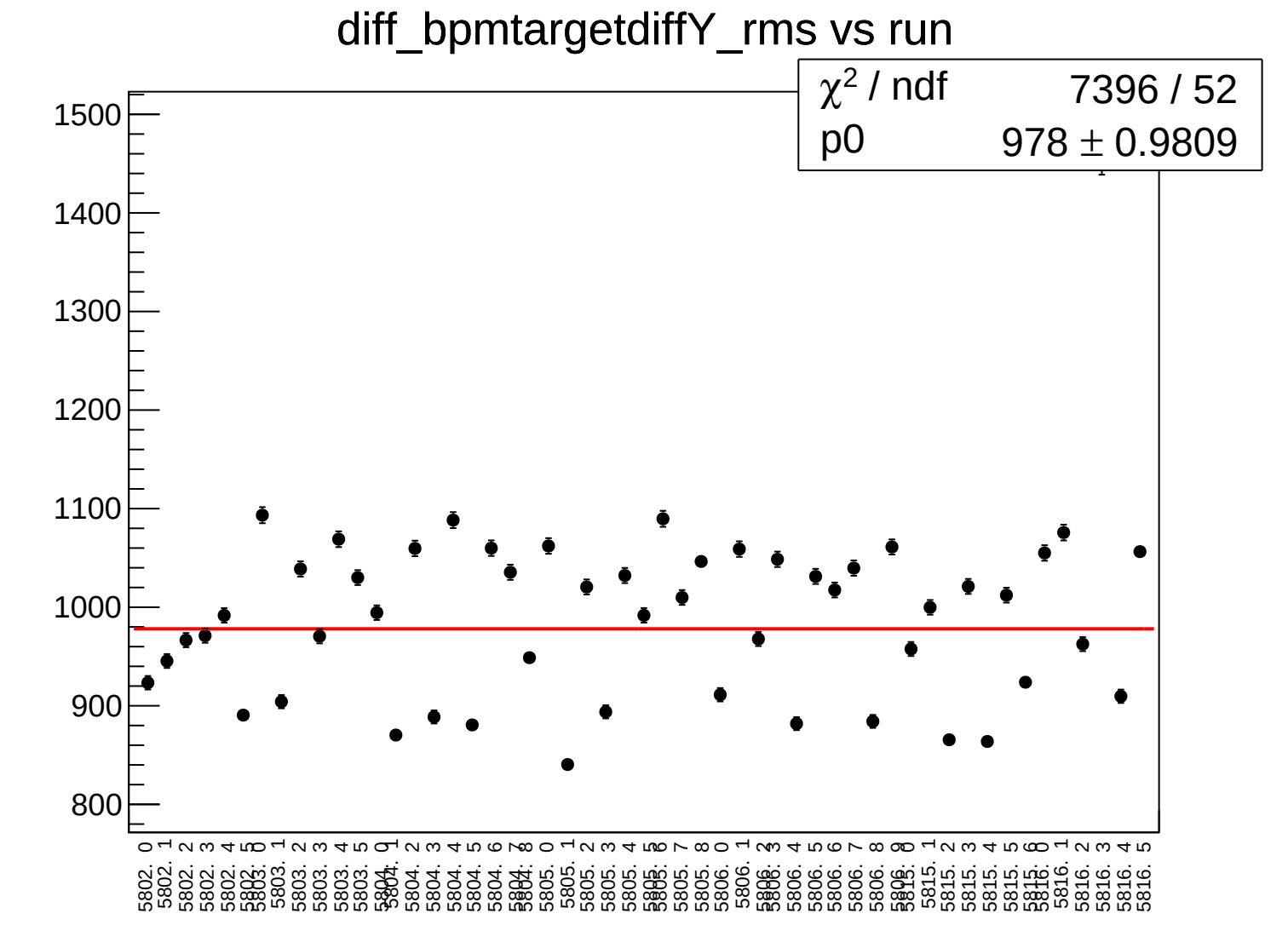

diff_bpmtargetsumY_mean vs run
χ² / ndf 44.49 / 52
p0 4.315 ± 20.82
pull
Entries 53
Mean −54.63
Std Dev 0

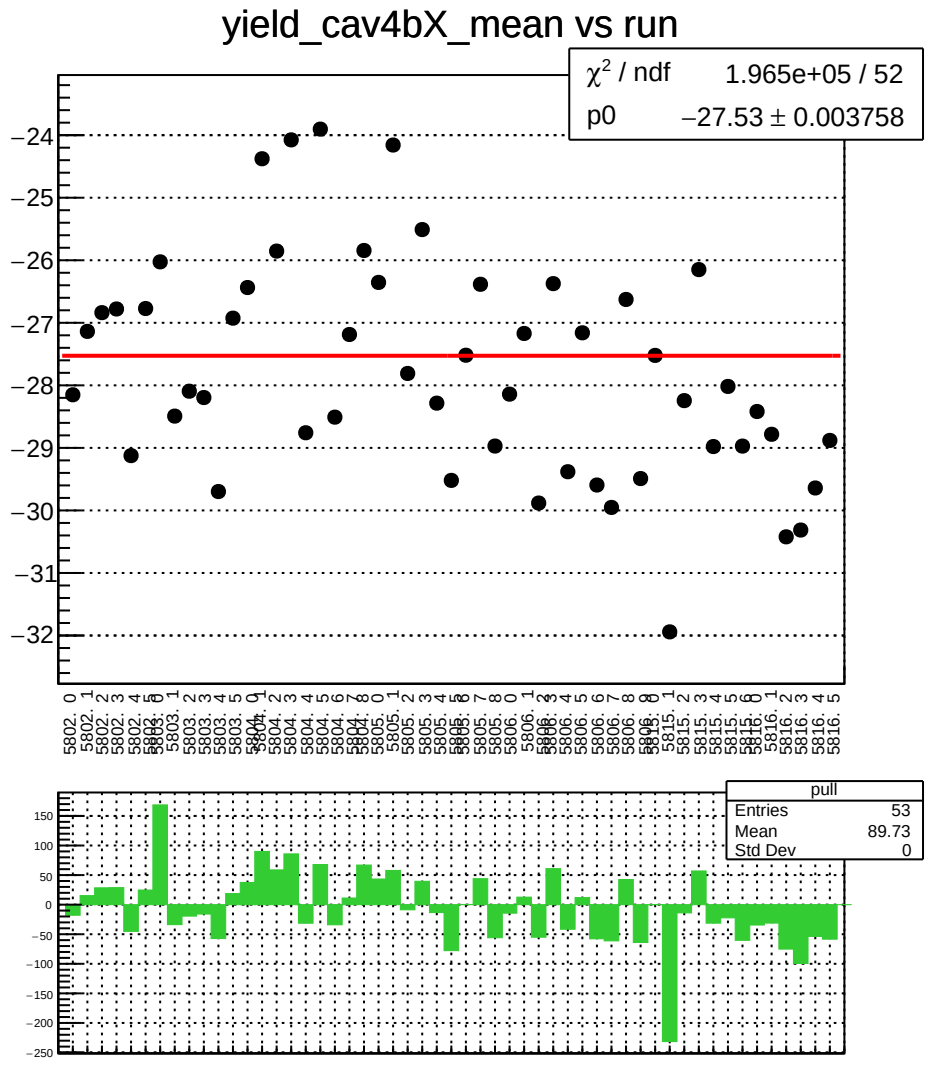

pull1D
Entries 53
Mean −0.01515
Std Dev 0.9161

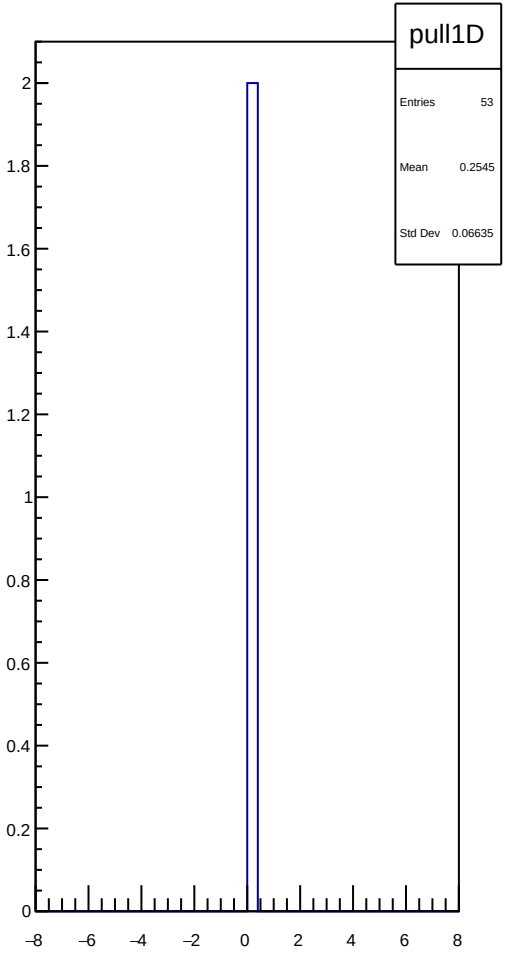

diff_bpmtargetsumY_rms vs run
χ² / ndf 5712 / 52
p0 1.469e+04 ± 14.73
17000
16000
15000
14000
13000
12000

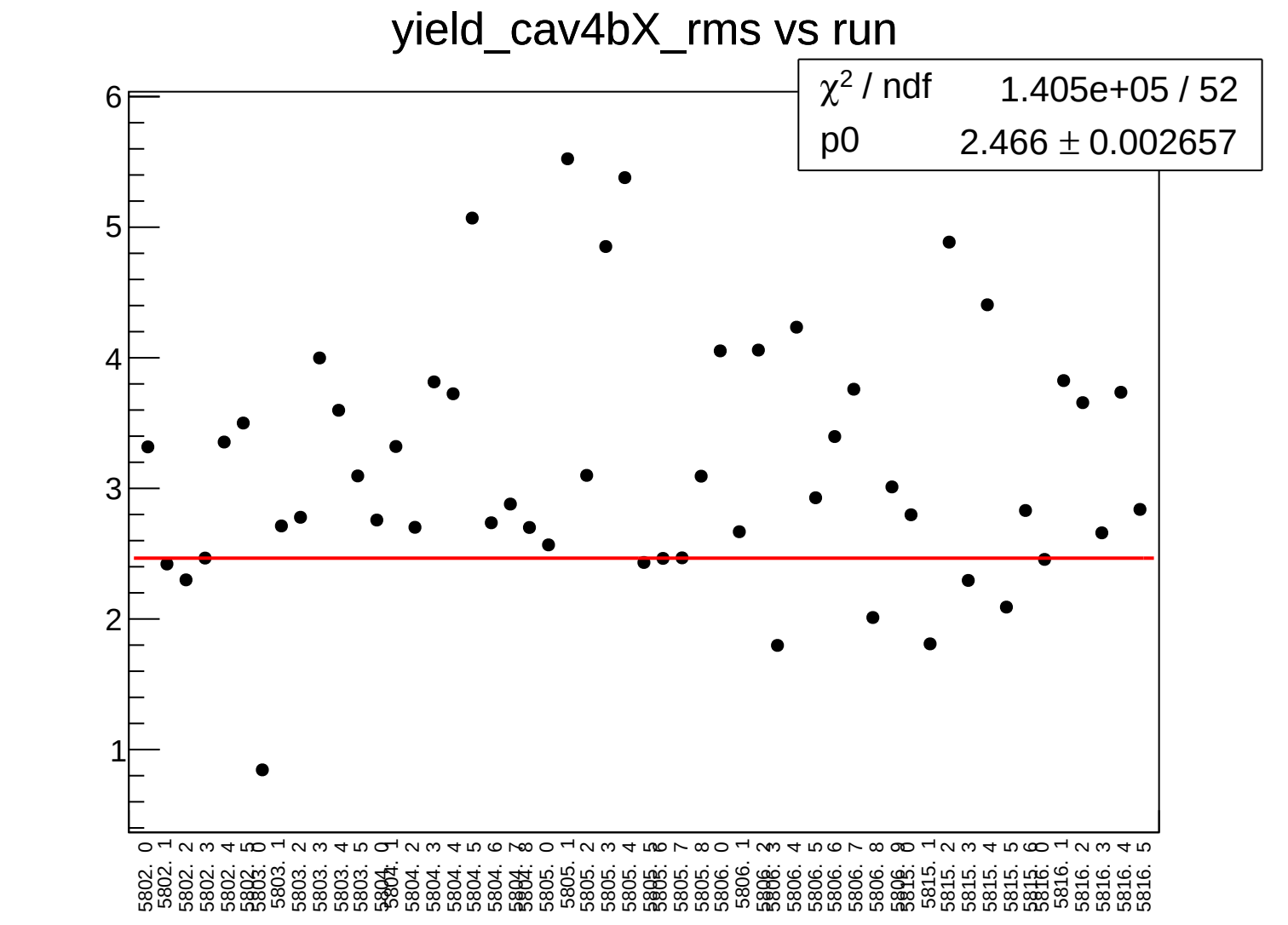

diff_bpmtargetdiffY_mean vs run
χ² / ndf 47.93 / 52
p0 0.09969 ± 1.387
pull
Entries 53
Mean −1.925
Std Dev 56.97

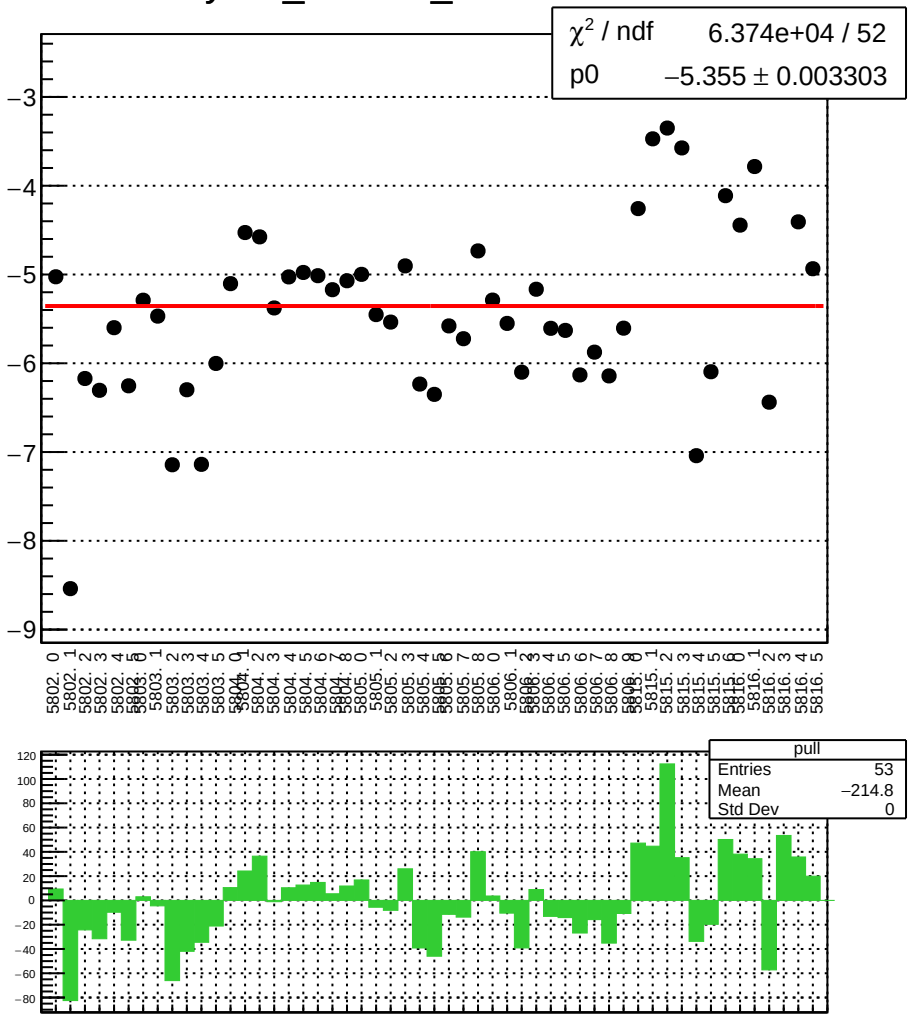

pull1D
Entries 53
Mean −0.01241
Std Dev 0.9509

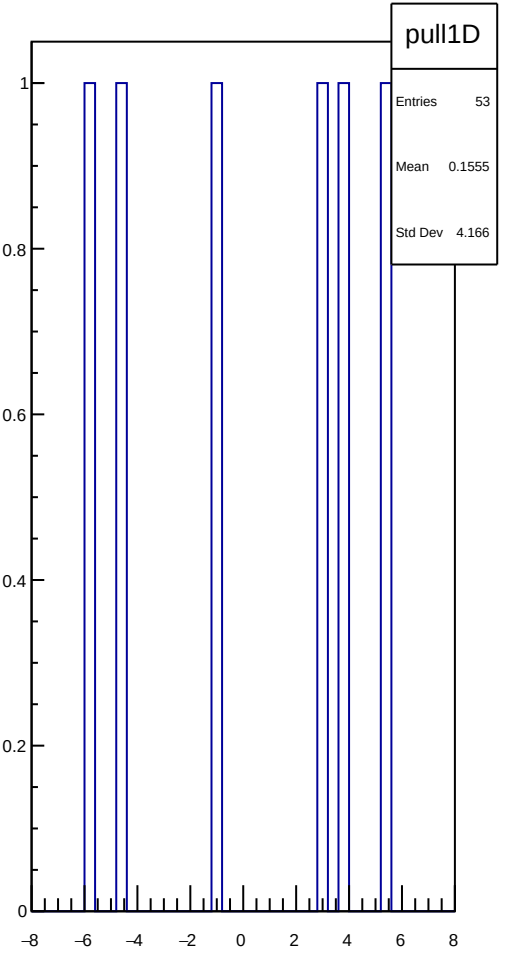

diff_bpmtargetdiffY_rms vs run
χ² / ndf 7396 / 52
p0 978 ± 0.9809
1500
1400
1300
1200
1100
1000
900
800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

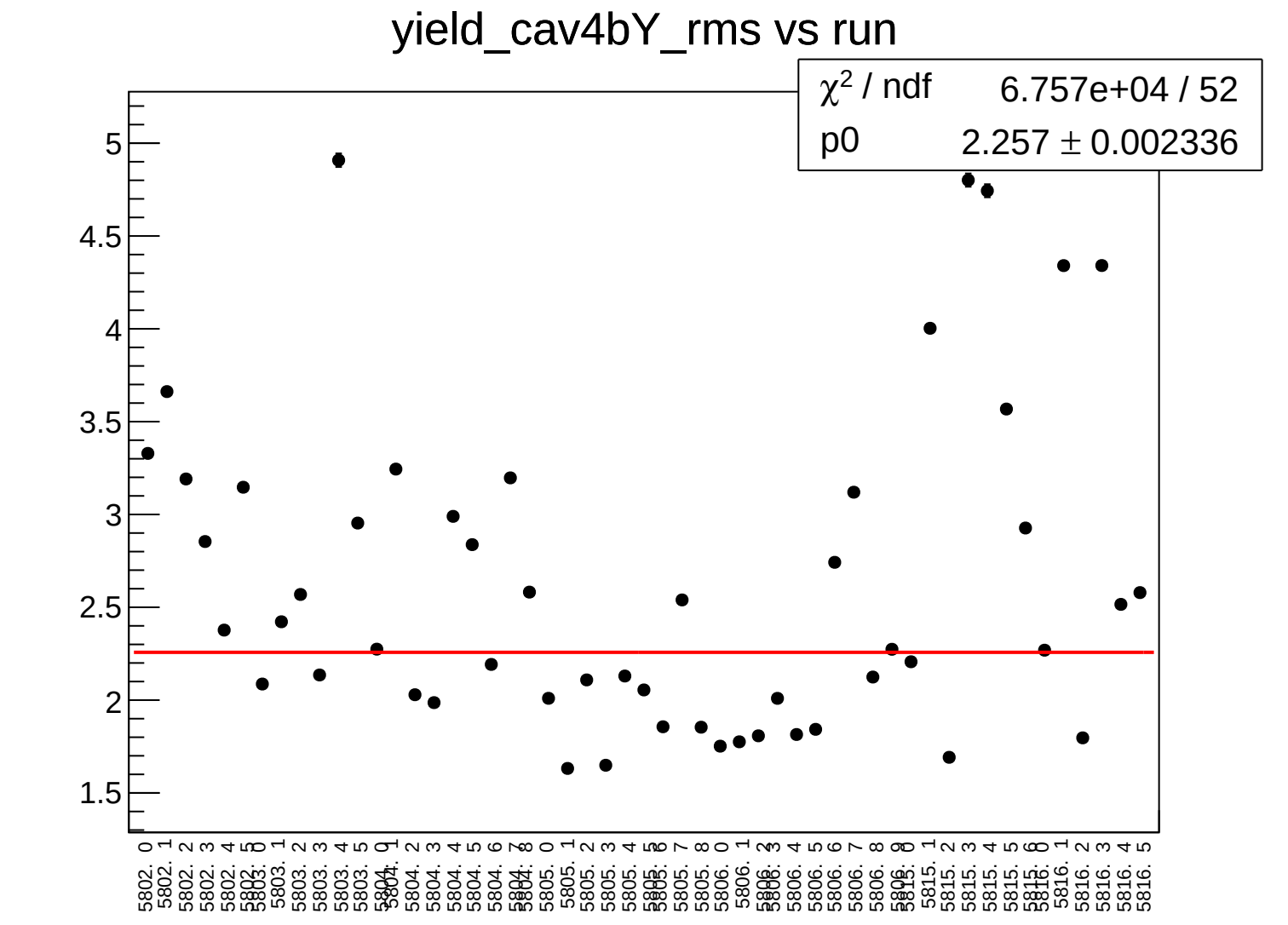

yield_cav4bX_mean vs run
χ² / ndf 1.965e+05 / 52
p0 −27.53 ± 0.003758
pull
Entries 53
Mean 89.73
Std Dev 0

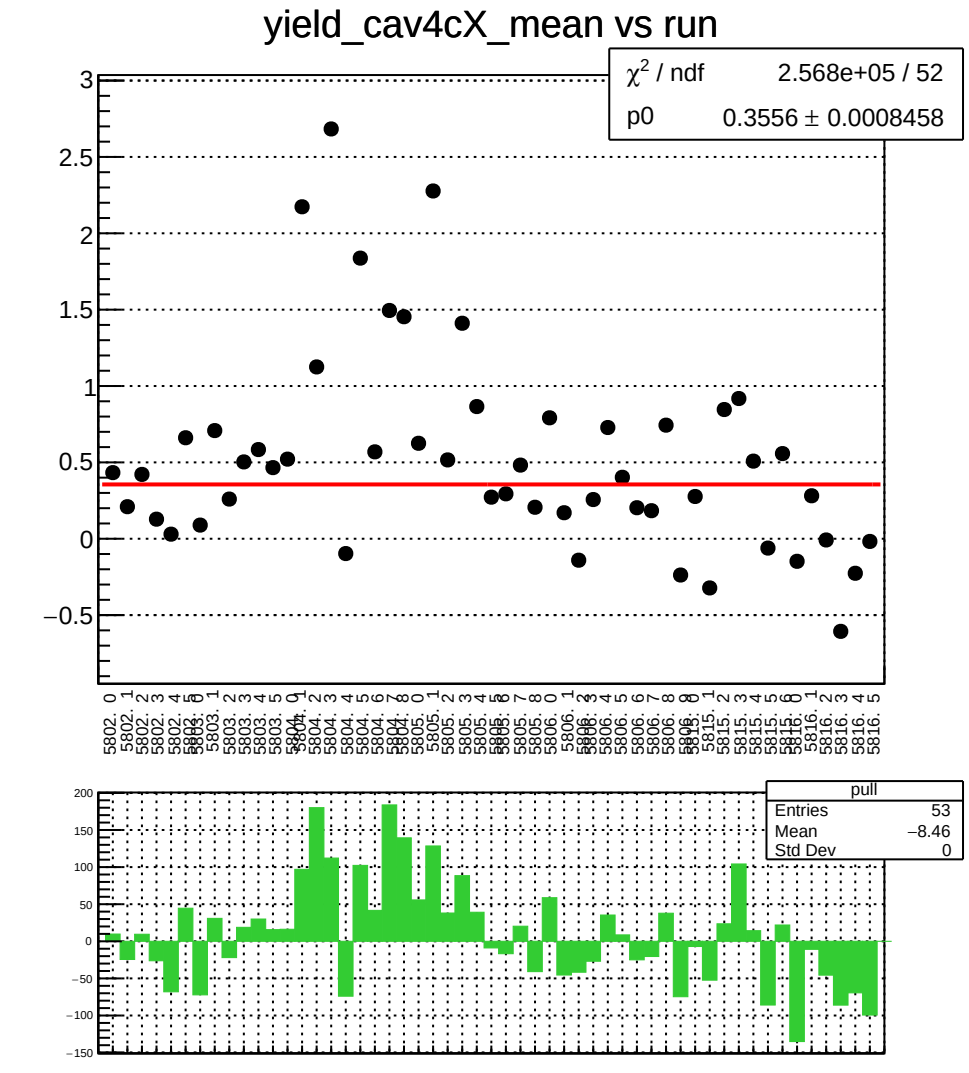

pull1D
Entries 53
Mean 0.2545
Std Dev 0.06635

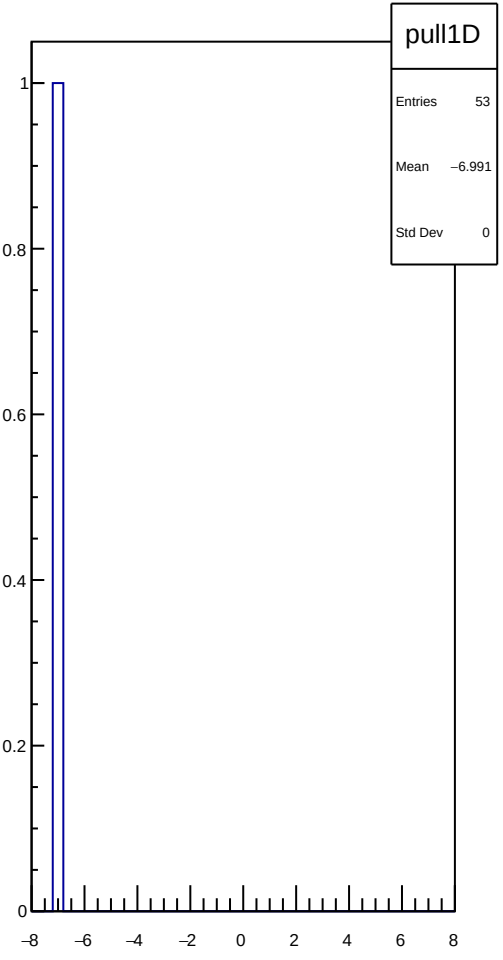

yield_cav4bX_rms vs run
χ² / ndf 1.405e+05 / 52
p0 2.466 ± 0.002657
6
5
4
3
2
1

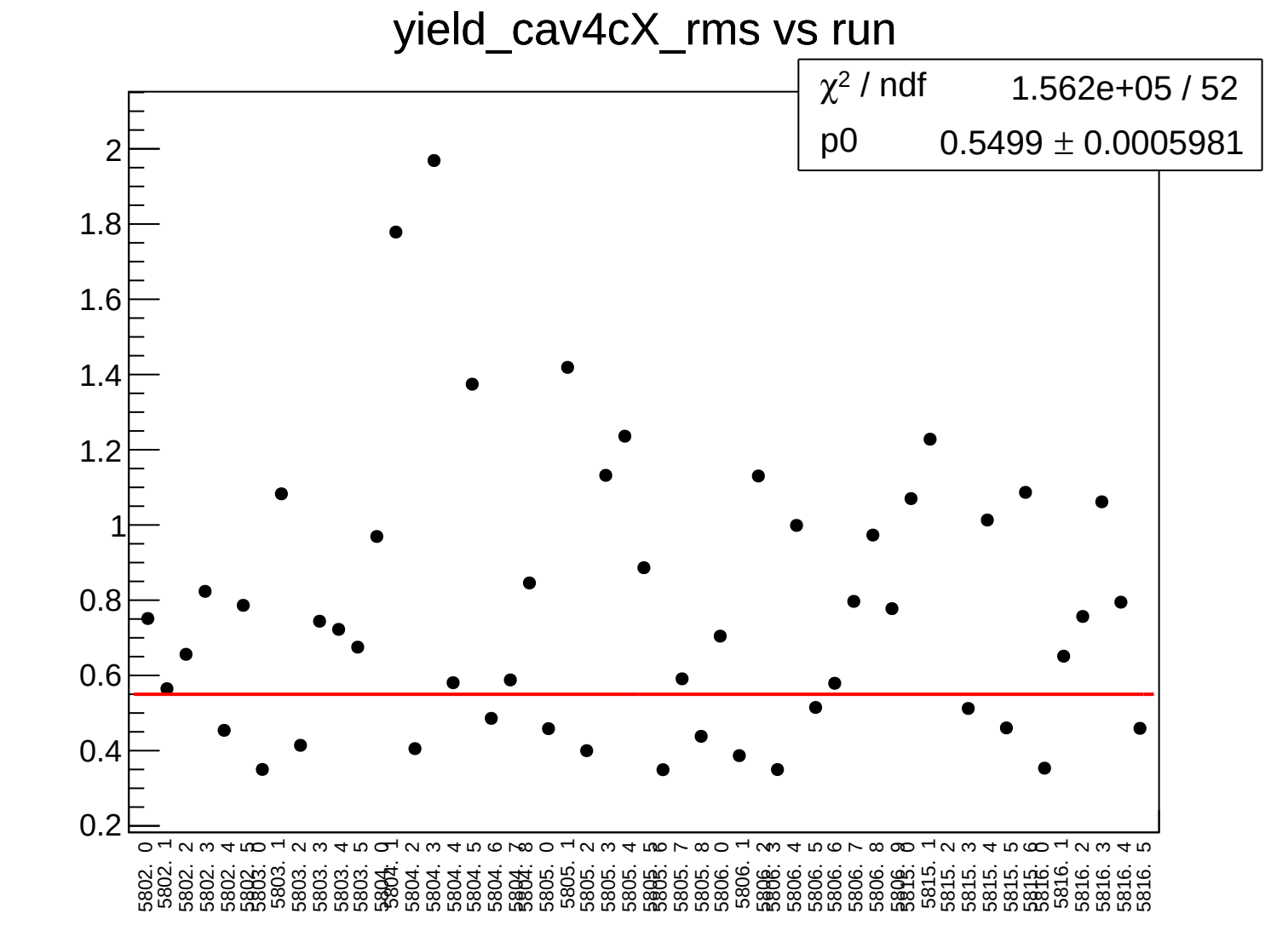

yield_cav4bY_mean vs run
χ² / ndf 6.374e+04 / 52
p0 −5.355 ± 0.003303
pull
Entries 53
Mean −214.8
Std Dev 0

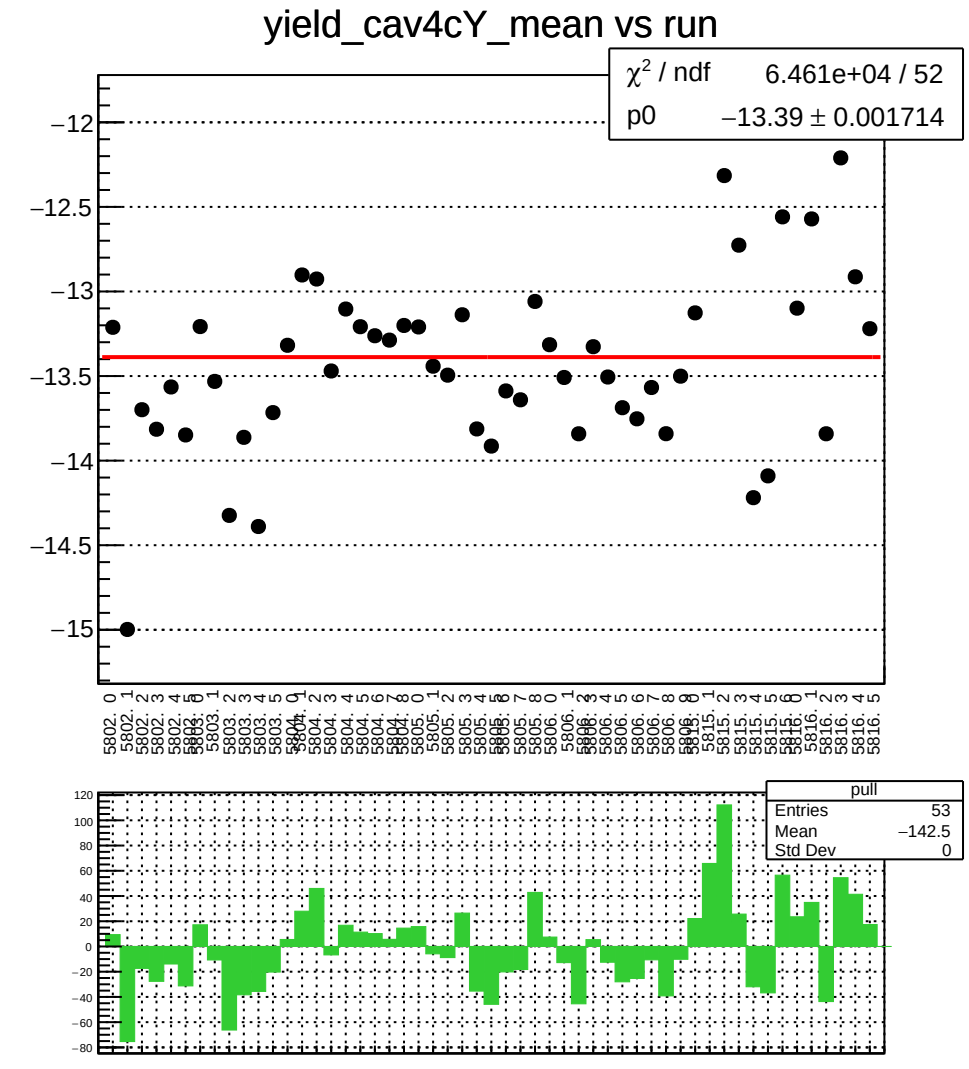

pull1D
Entries 53
Mean 0.1555
Std Dev 4.166

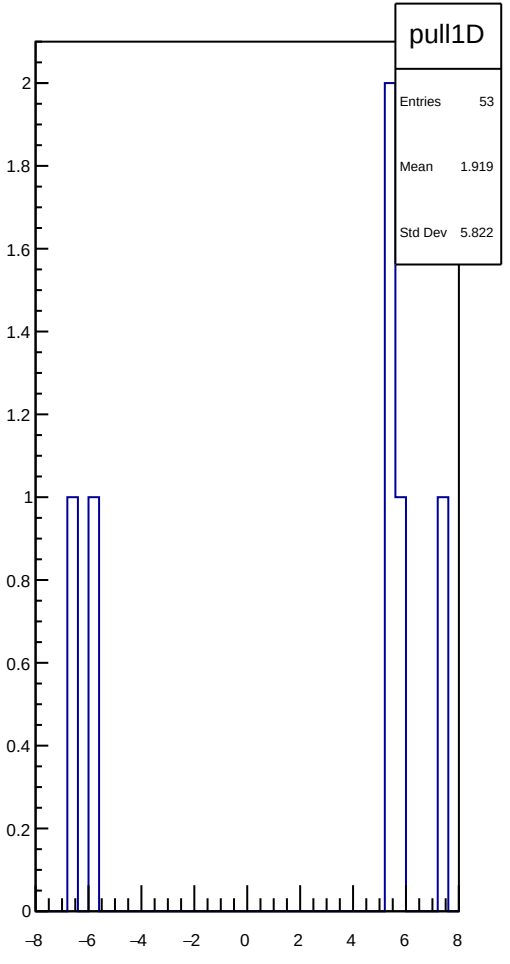

yield_cav4bY_rms vs run
χ^2 / ndf 6.757e+04 / 52
p0 2.257 ± 0.002336
5
4.5
4
3.5
3
2.5
2
1.5

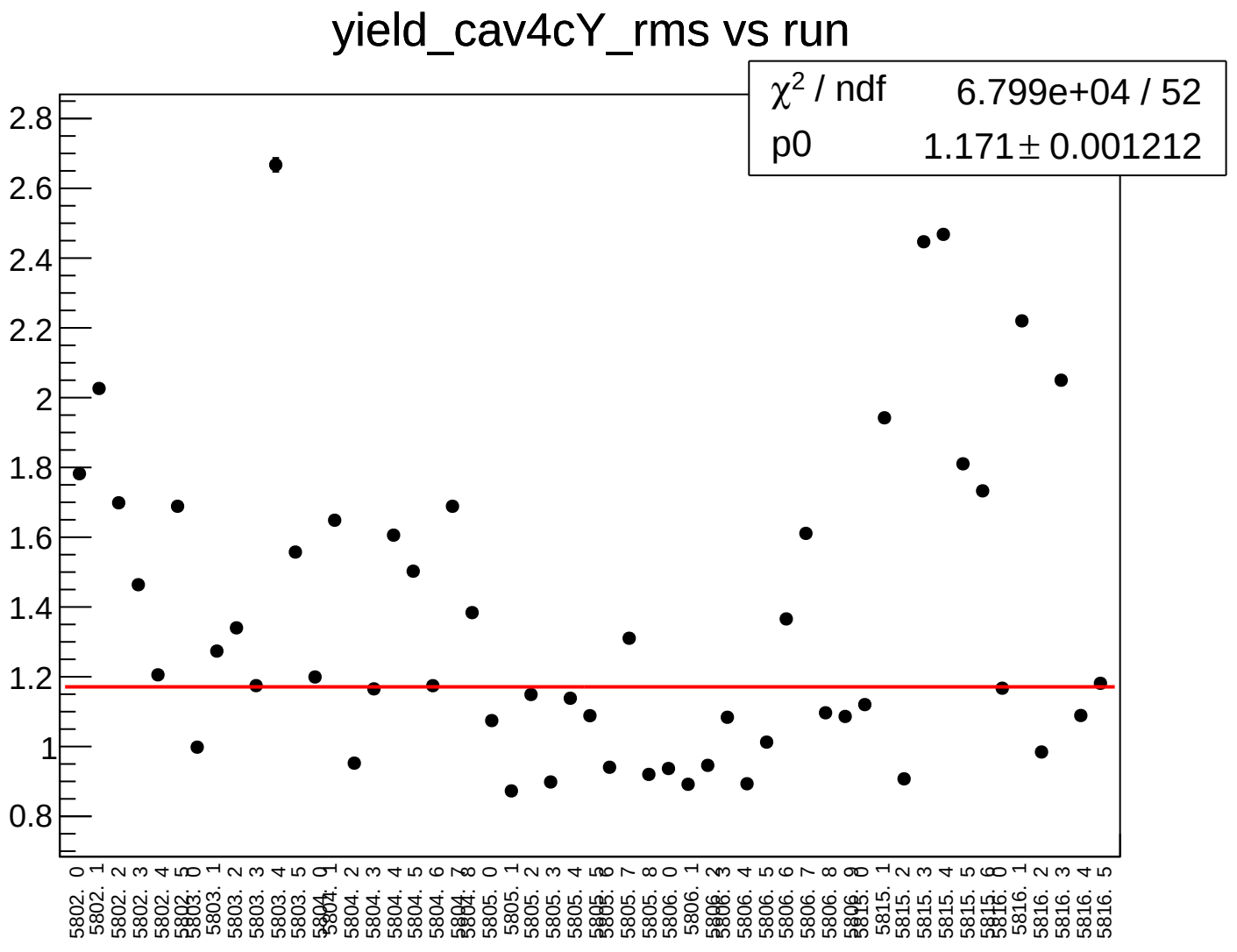

yield_cav4cX_mean vs run
χ² / ndf 2.568e+05 / 52
p0 0.3556 ± 0.0008458
pull
Entries 53
Mean −8.46
Std Dev 0


pull1D
Entries 53
Mean −6.991
Std Dev 0


yield_cav4cX_rms vs run
χ² / ndf 1.562e+05 / 52
p0 0.5499 ± 0.0005981
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


yield_cav4cY_mean vs run
χ² / ndf 6.461e+04 / 52
p0 −13.39 ± 0.001714
−12
−12.5
−13
−13.5
−14
−14.5
−15
pull
Entries 53
Mean −142.5
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80


pull1D
Entries 53
Mean 1.919
Std Dev 5.822
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4cY_rms vs run
χ^2 / ndf 6.799e+04 / 52
p0 1.171 ± 0.001212
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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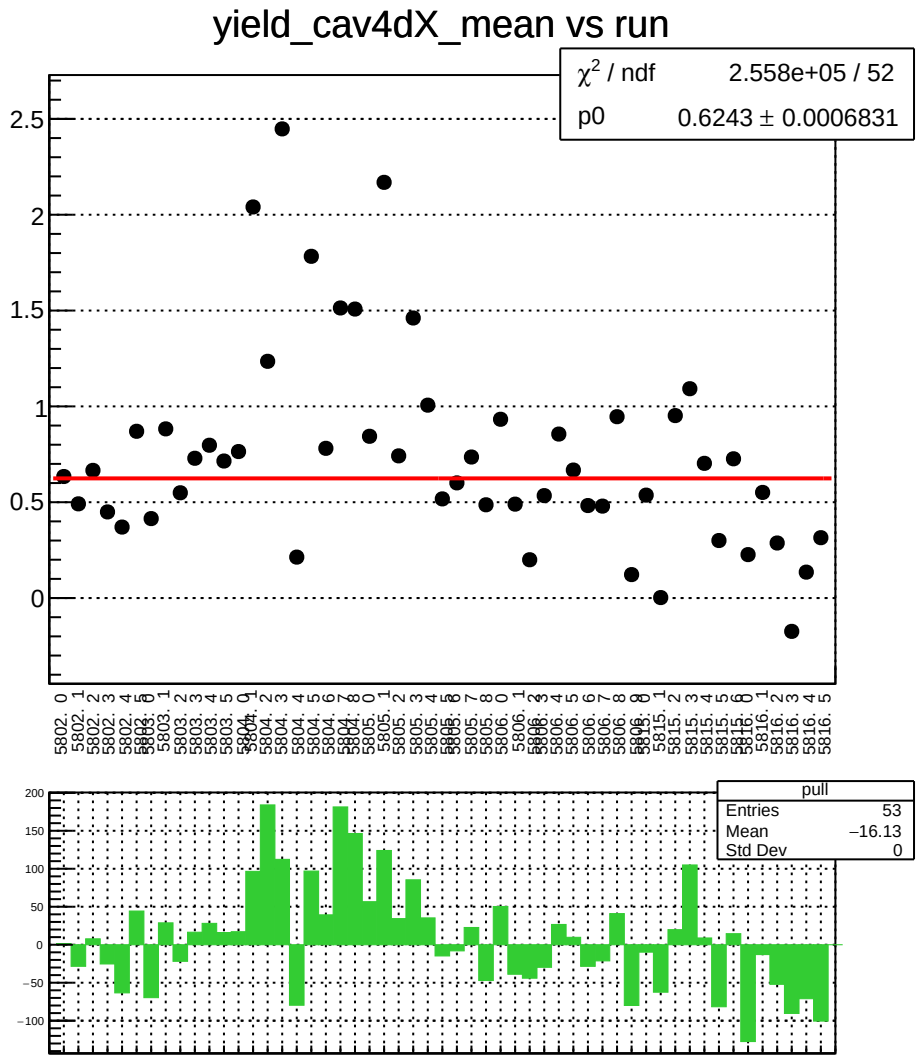
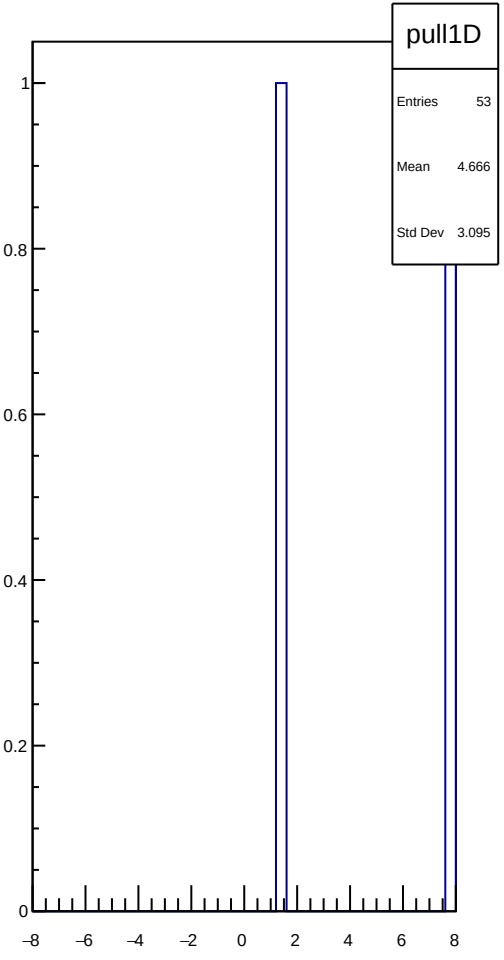
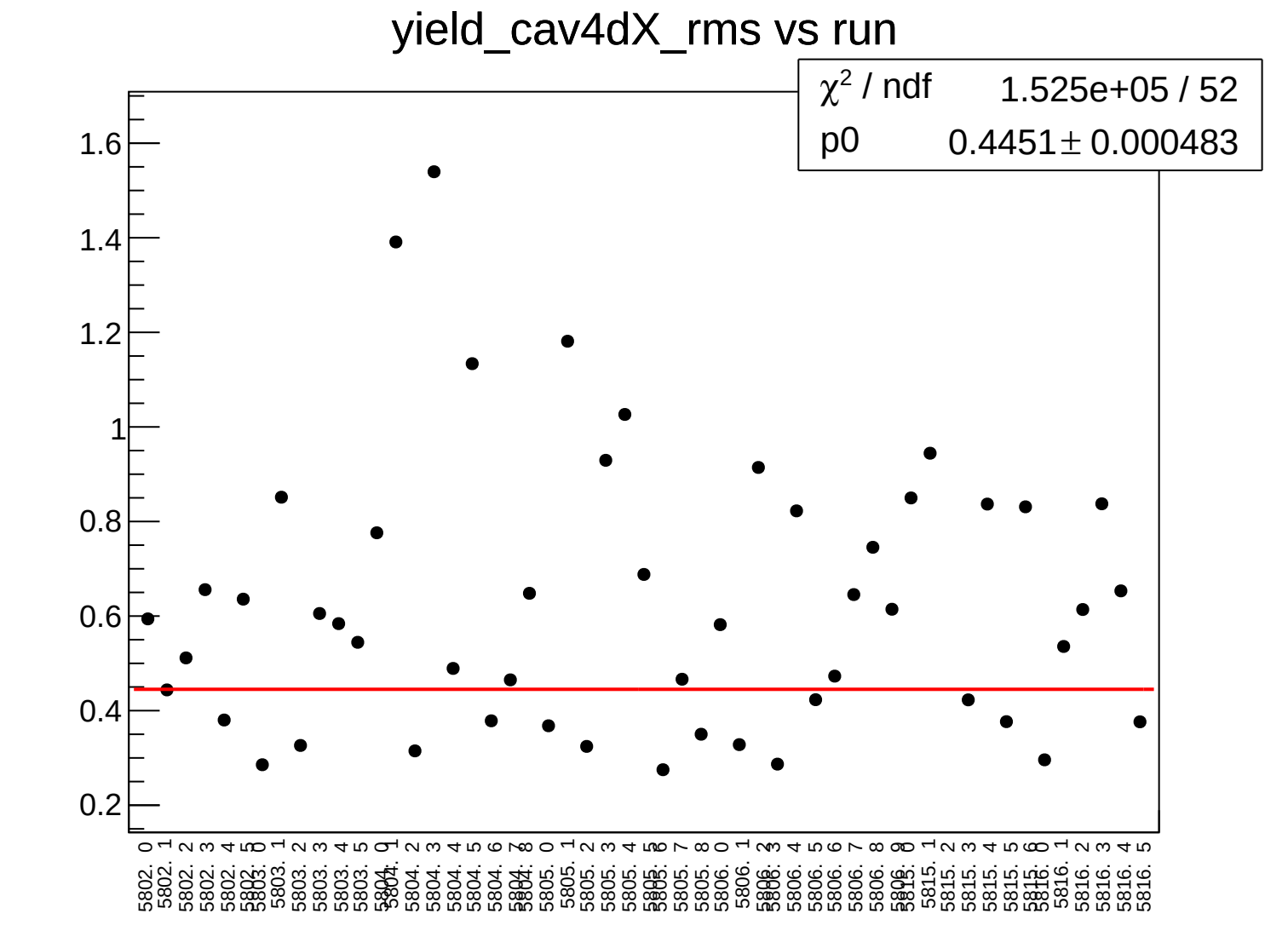
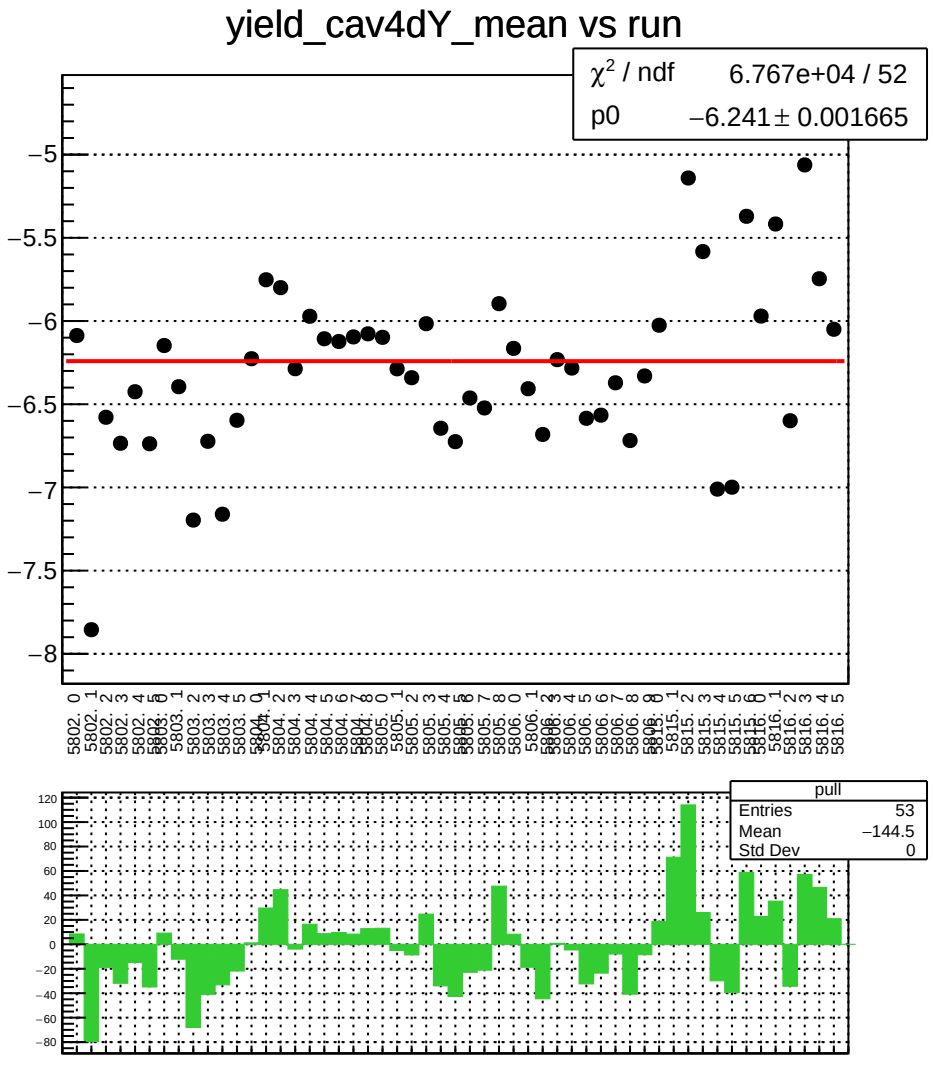
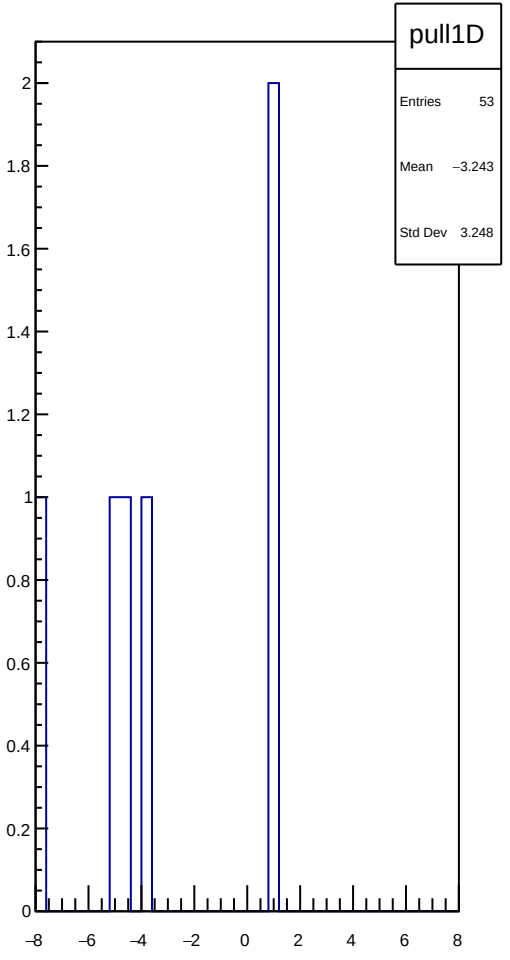
5816. 4
5816. 5

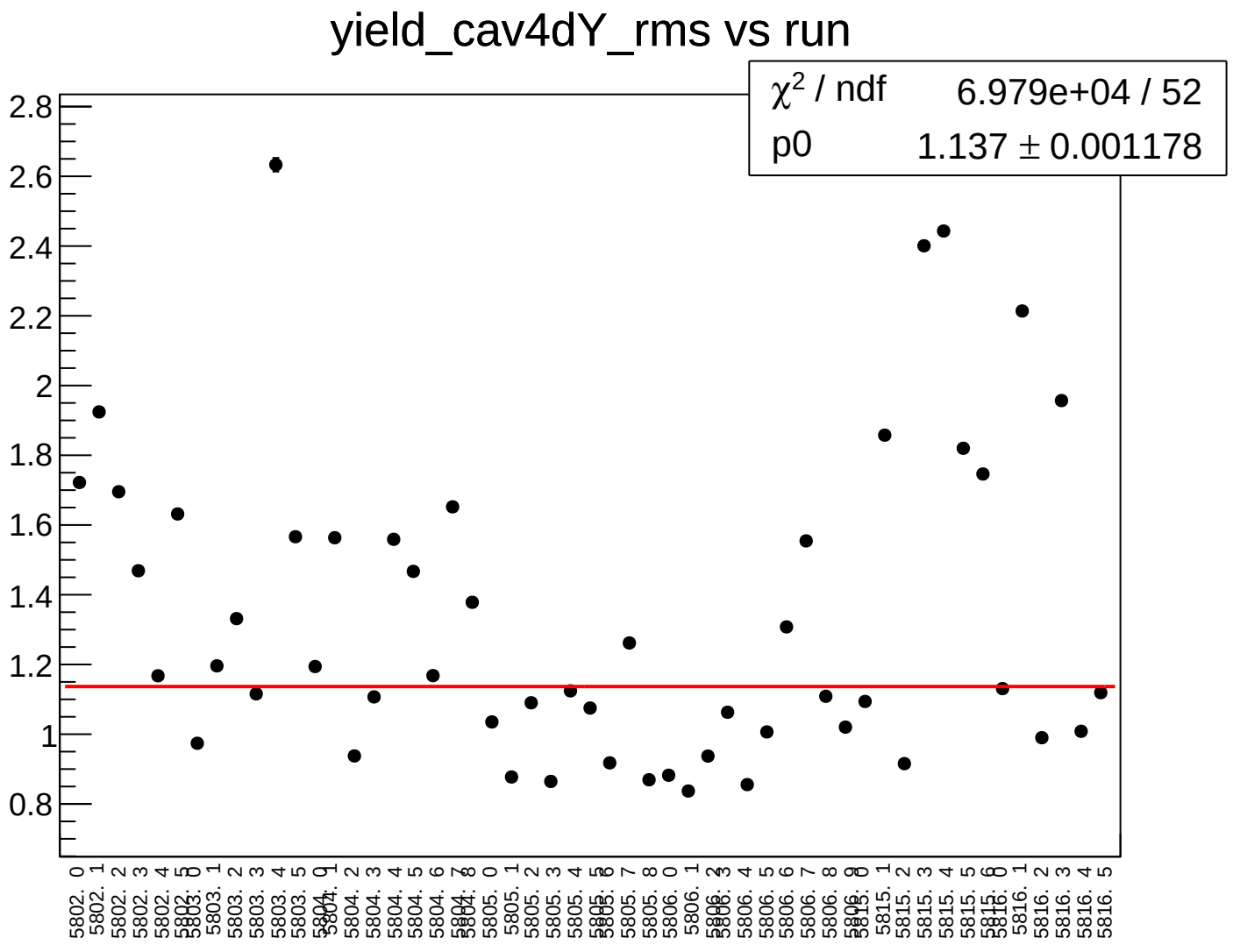

yield_cav4dX_mean vs run
χ² / ndf 2.558e+05 / 52
p0 0.6243 ± 0.0006831
pull
Entries 53
Mean −16.13
Std Dev 0

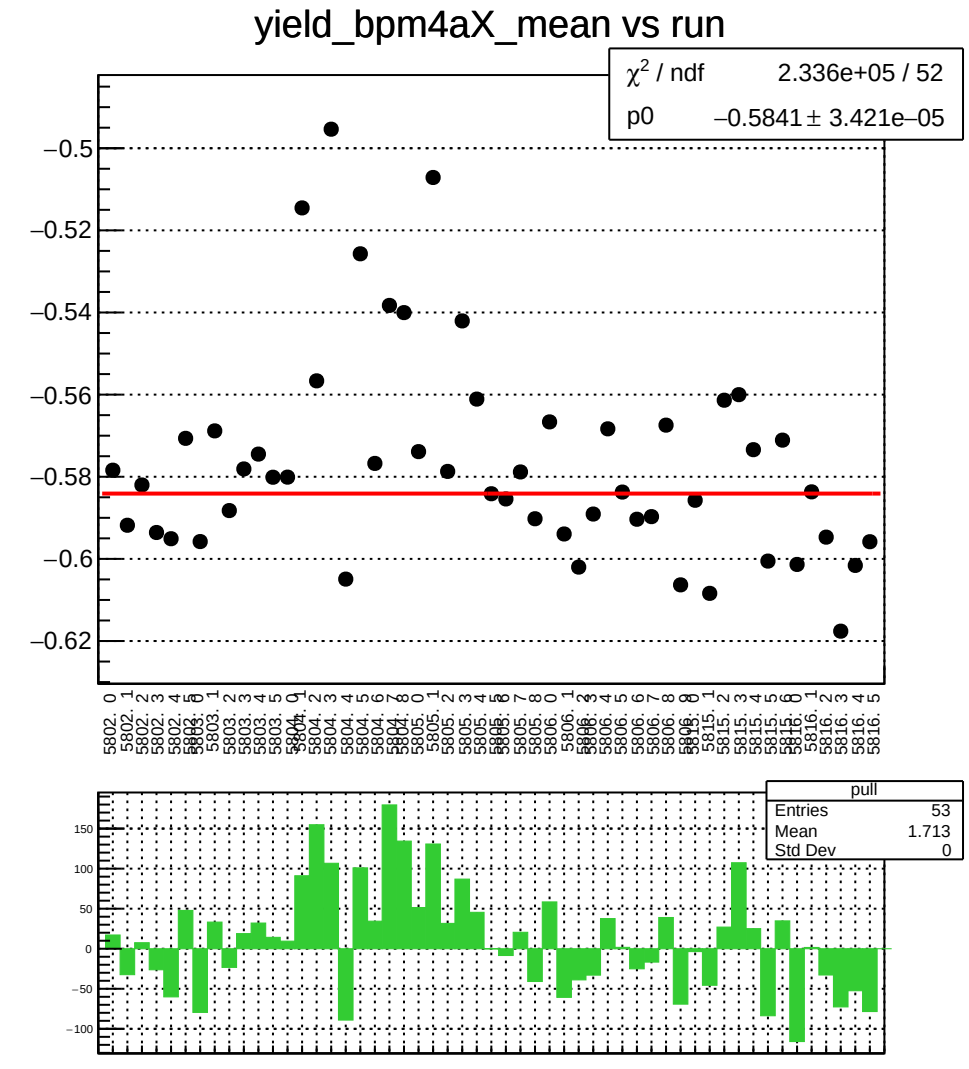

pull1D
Entries 53
Mean 4.666
Std Dev 3.095

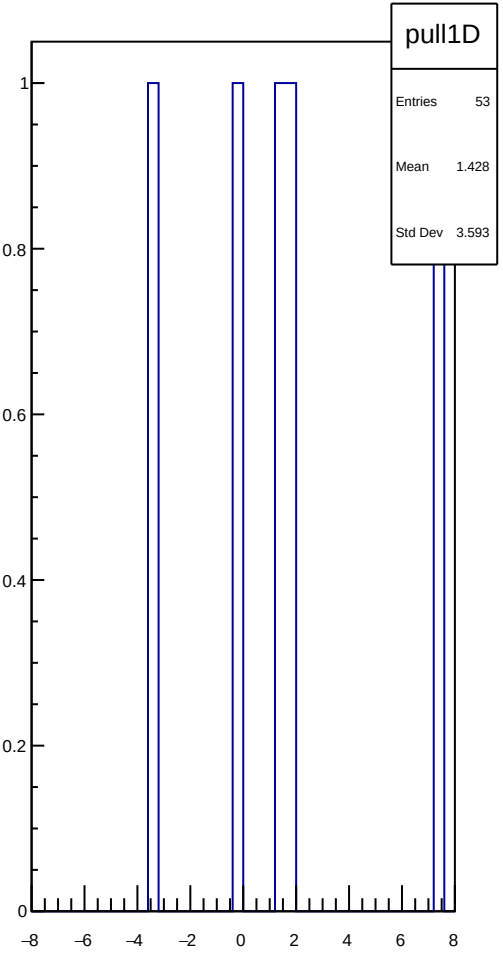

yield_cav4dX_rms vs run
χ^2 / ndf 1.525e+05 / 52
p0 0.4451 ± 0.000483
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

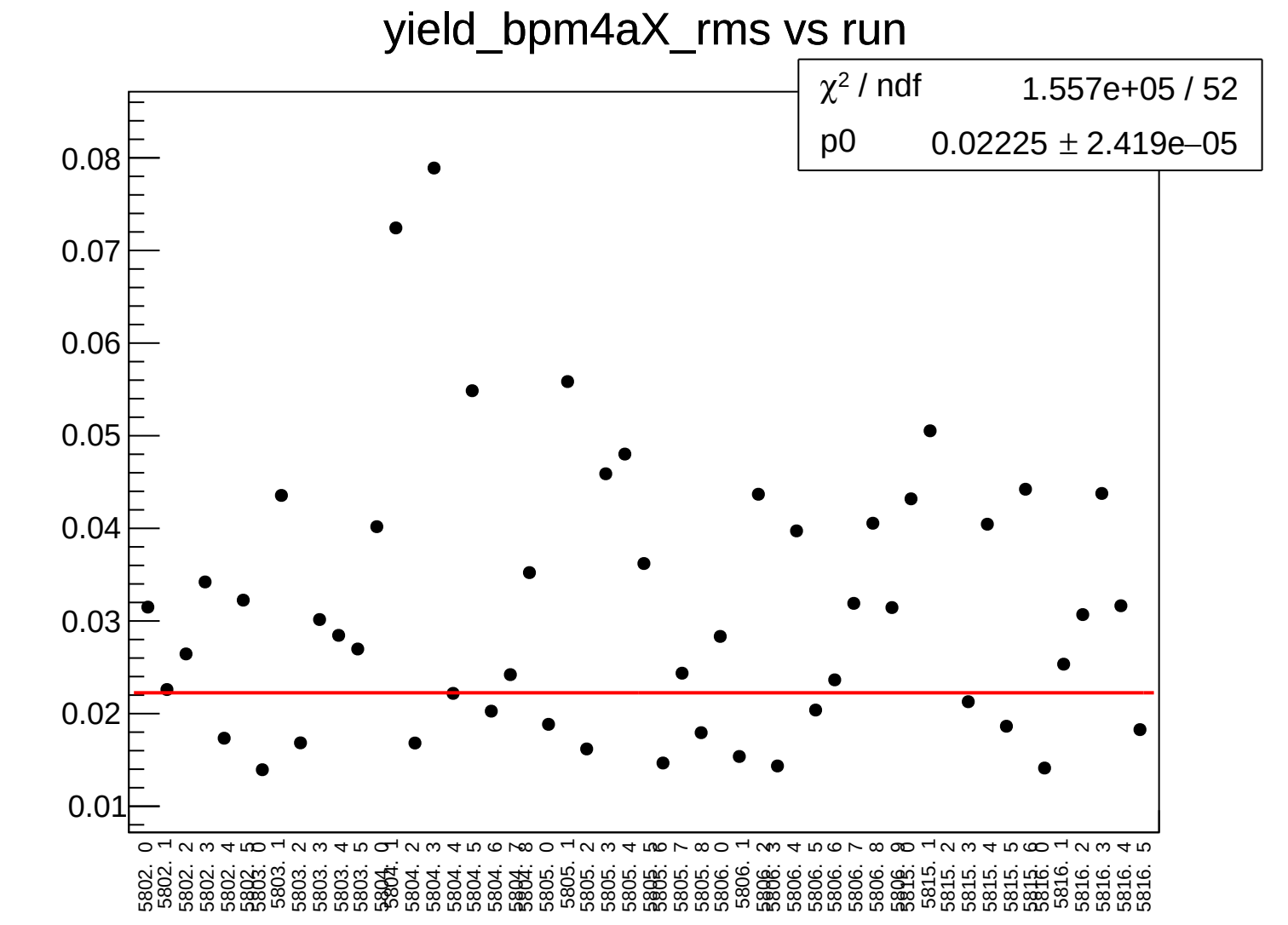

yield_cav4dY_mean vs run
χ² / ndf 6.767e+04 / 52
p0 −6.241 ± 0.001665
−5
−5.5
−6
−6.5
−7
−7.5
−8
pull
Entries 53
Mean −144.5
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

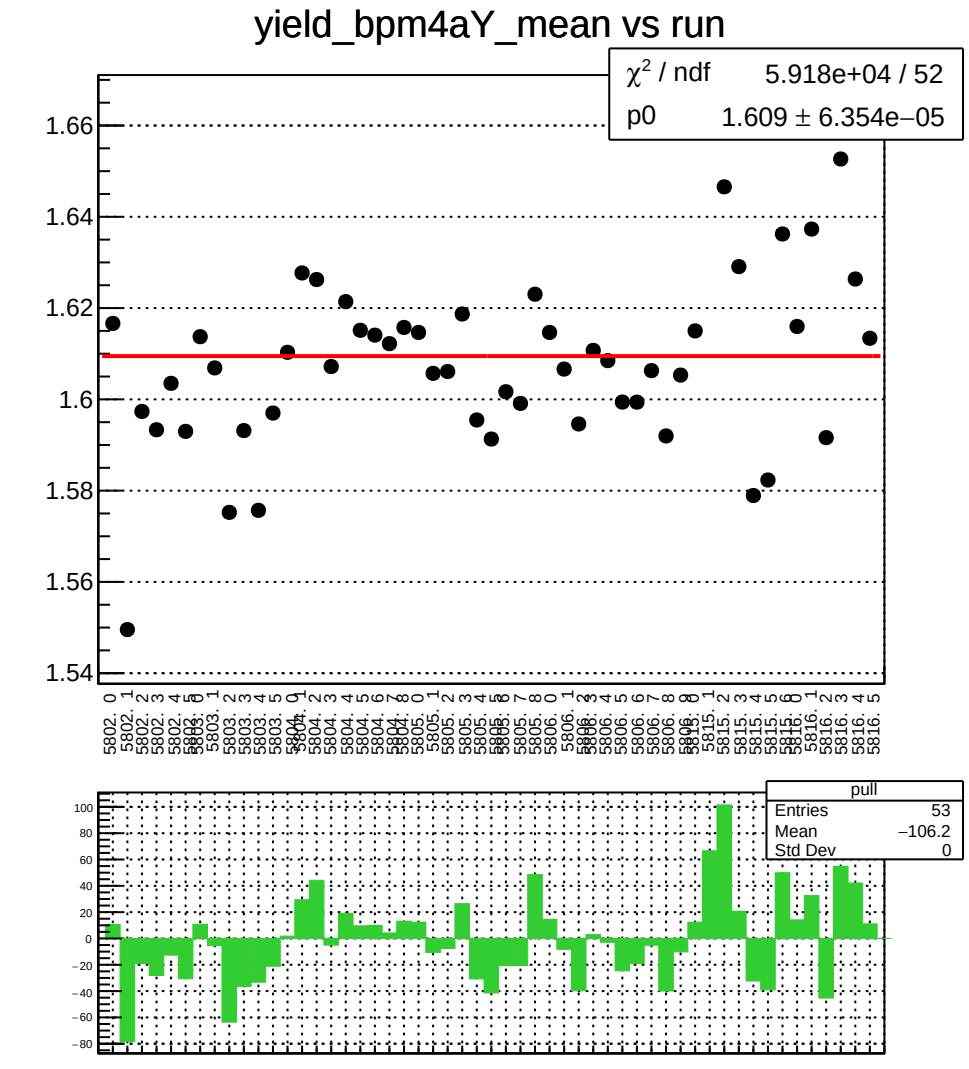

pull1D
Entries 53
Mean −3.243
Std Dev 3.248
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

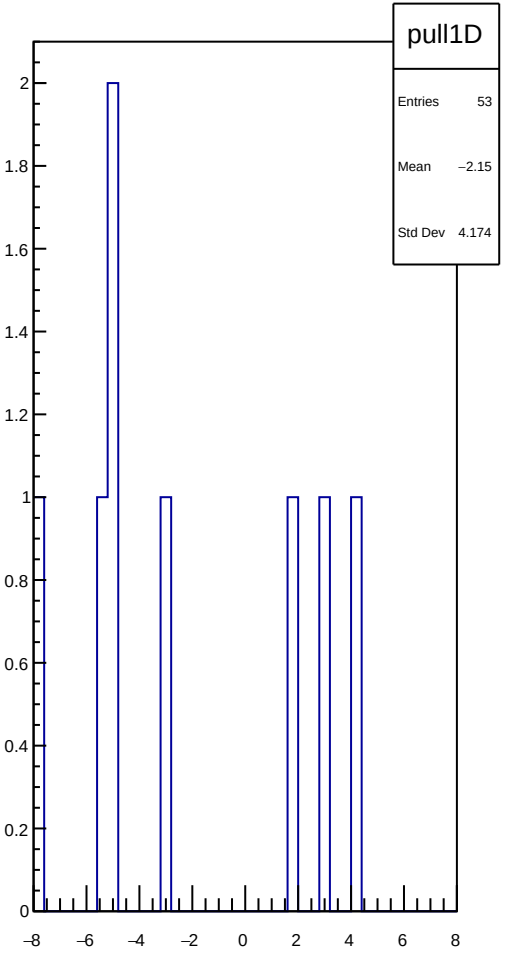

yield_cav4dY_rms vs run
χ² / ndf 6.979e+04 / 52
p0 1.137 ± 0.001178
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8

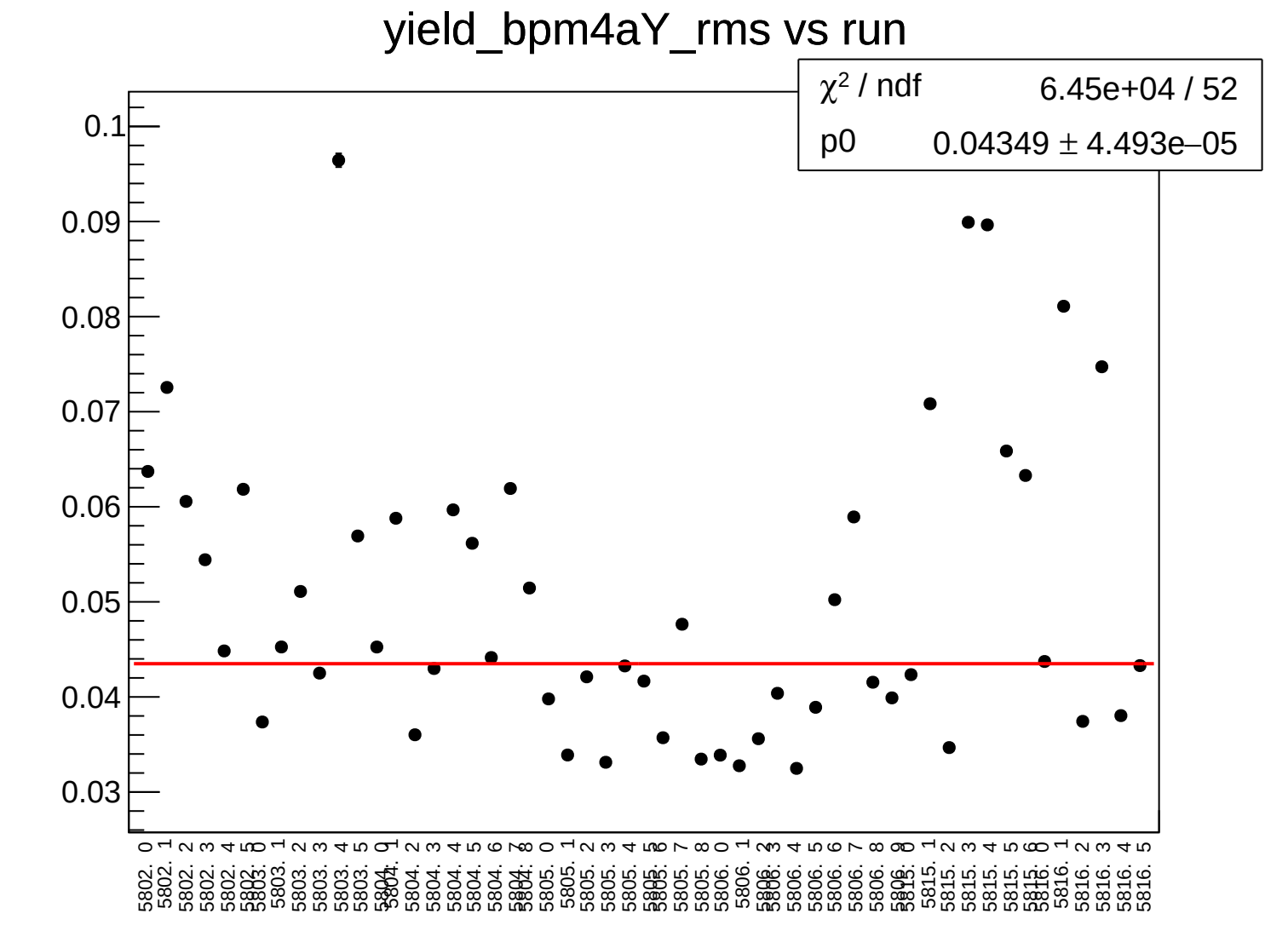

yield_bpm4aX_mean vs run
χ² / ndf 2.336e+05 / 52
p0 −0.5841 ± 3.421e−05
pull
Entries 53
Mean 1.713
Std Dev 0

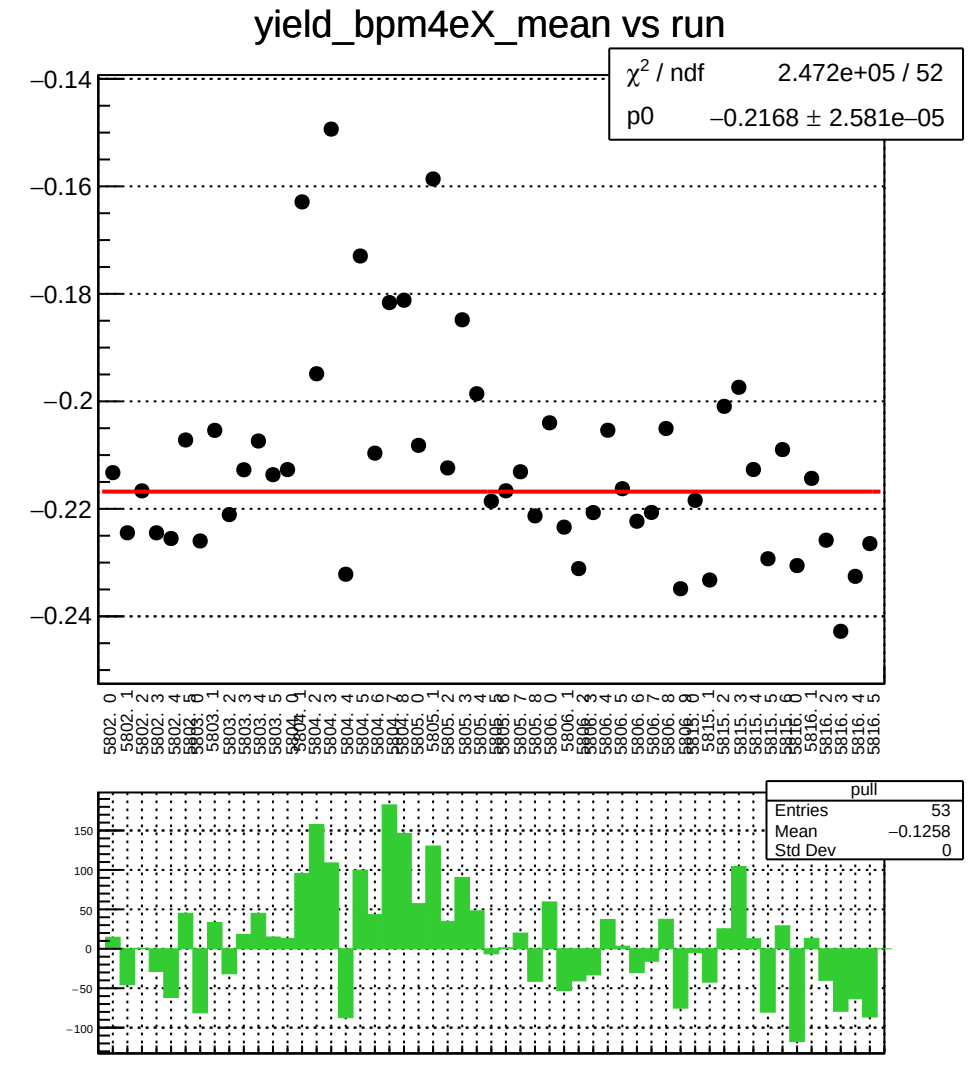

pull1D
Entries 53
Mean 1.428
Std Dev 3.593

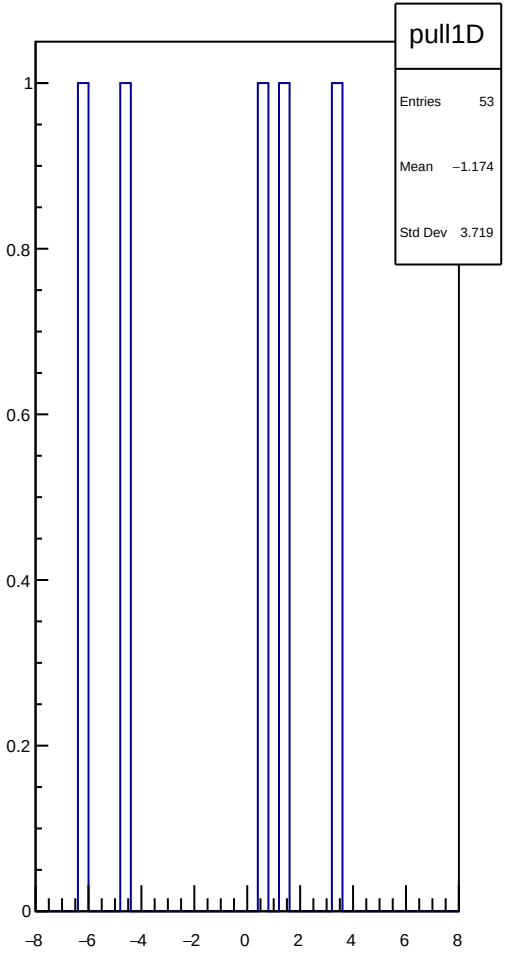

yield_bpm4aX_rms vs run
χ² / ndf 1.557e+05 / 52
p0 0.02225 ± 2.419e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

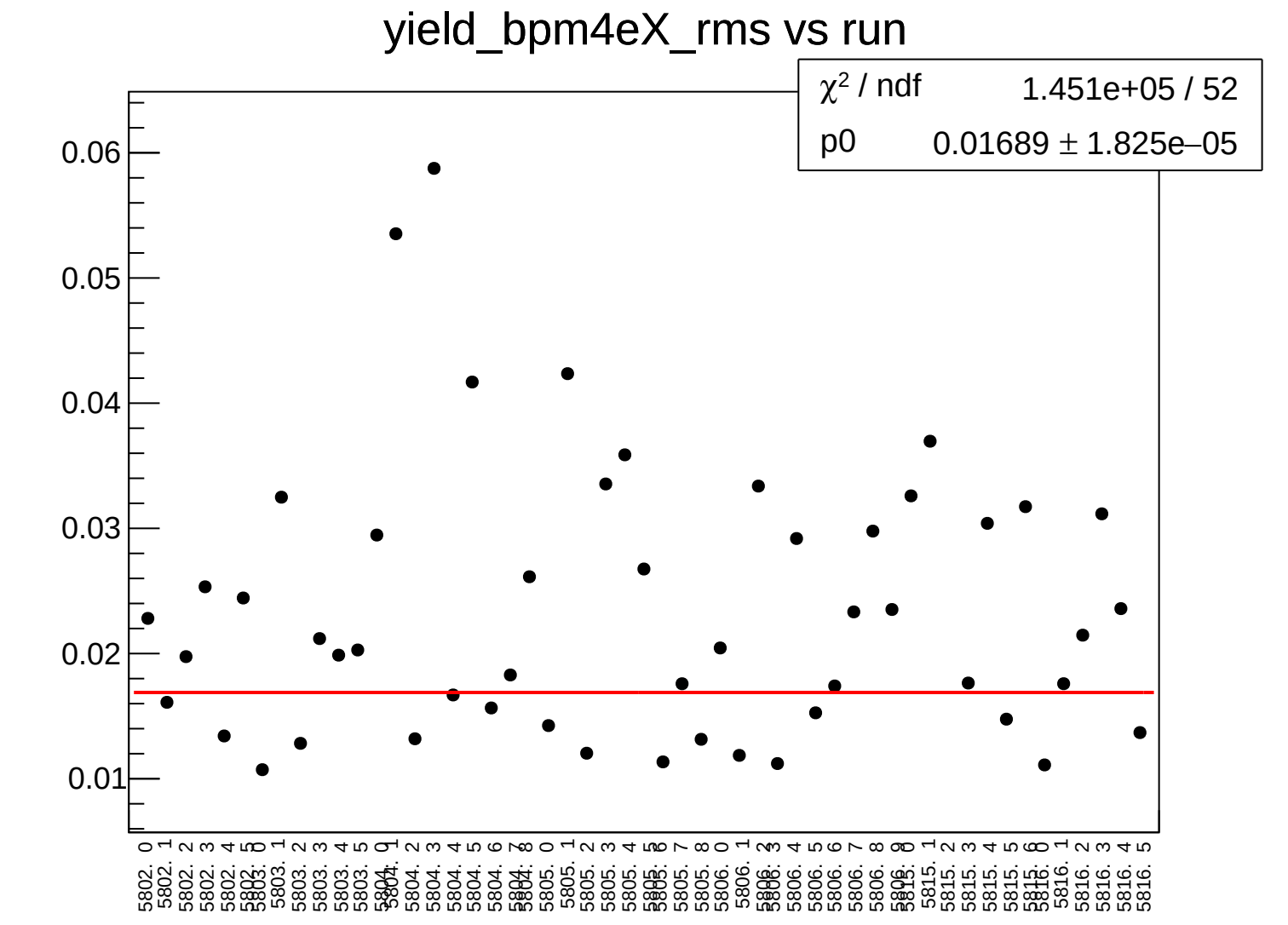

yield_bpm4aY_mean vs run
χ² / ndf 5.918e+04 / 52
p0 1.609 ± 6.354e−05
pull
Entries 53
Mean −106.2
Std Dev 0

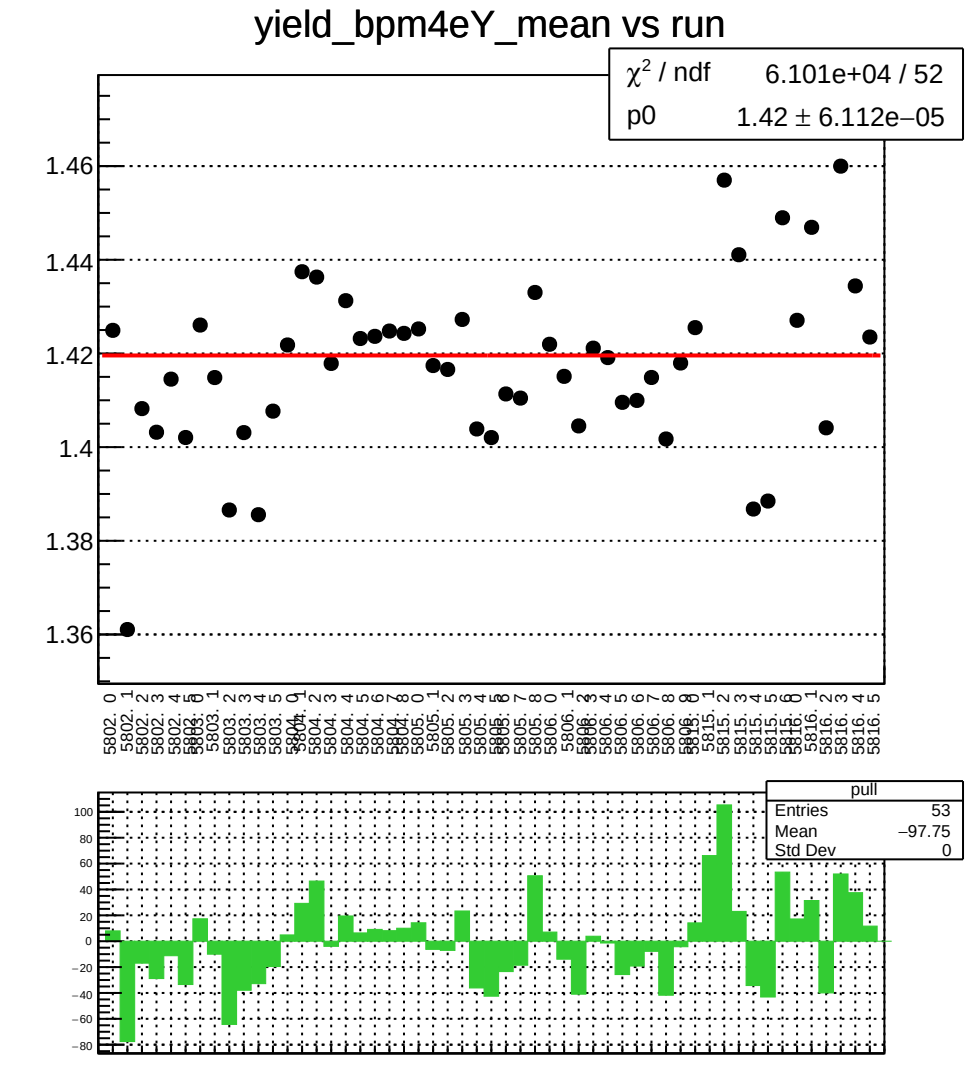

pull1D
Entries 53
Mean −2.15
Std Dev 4.174

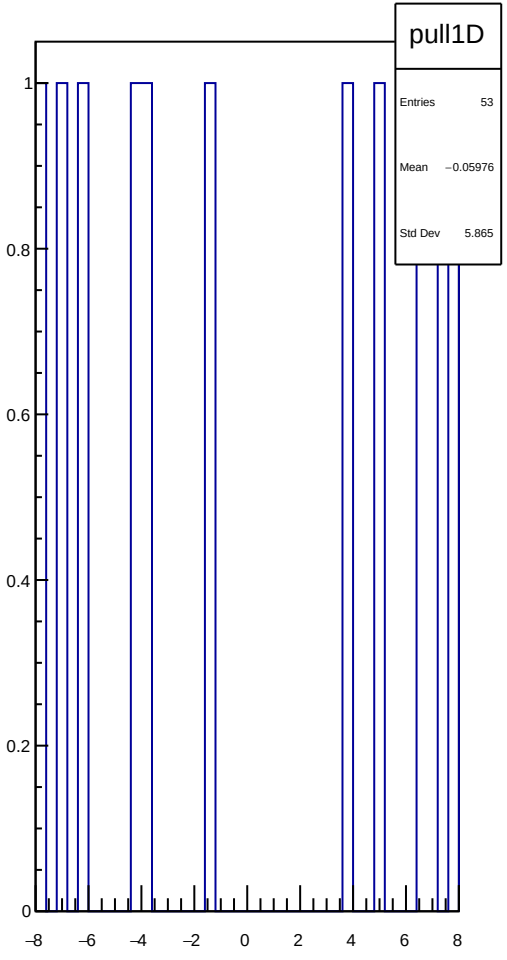

yield_bpm4aY_rms vs run
χ² / ndf 6.45e+04 / 52
p0 0.04349 ± 4.493e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

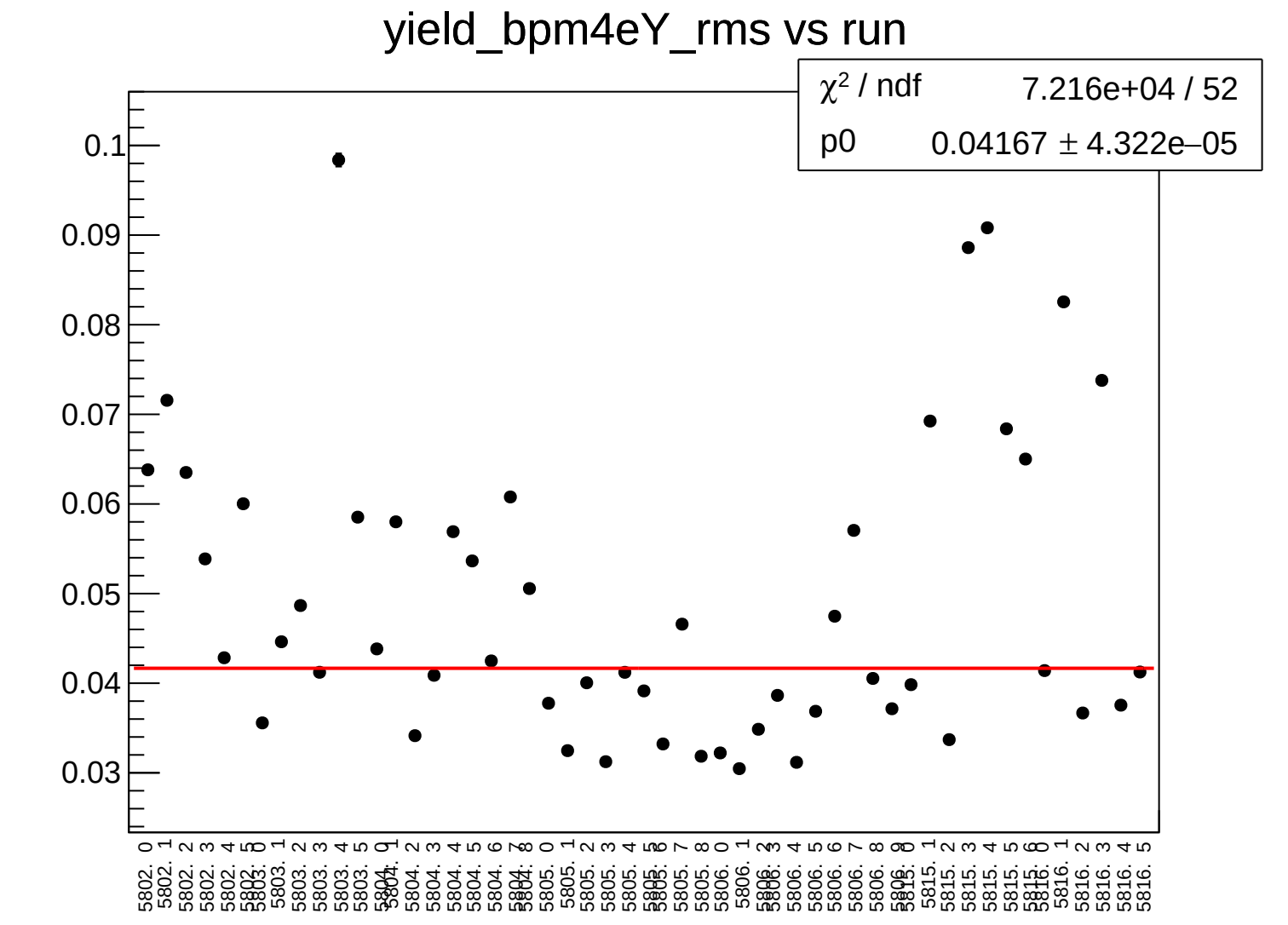

yield_bpm4eX_mean vs run
χ² / ndf 2.472e+05 / 52
p0 −0.2168 ± 2.581e−05
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
pull
Entries 53
Mean −0.1258
Std Dev 0
150
100
50
0
−50
−100

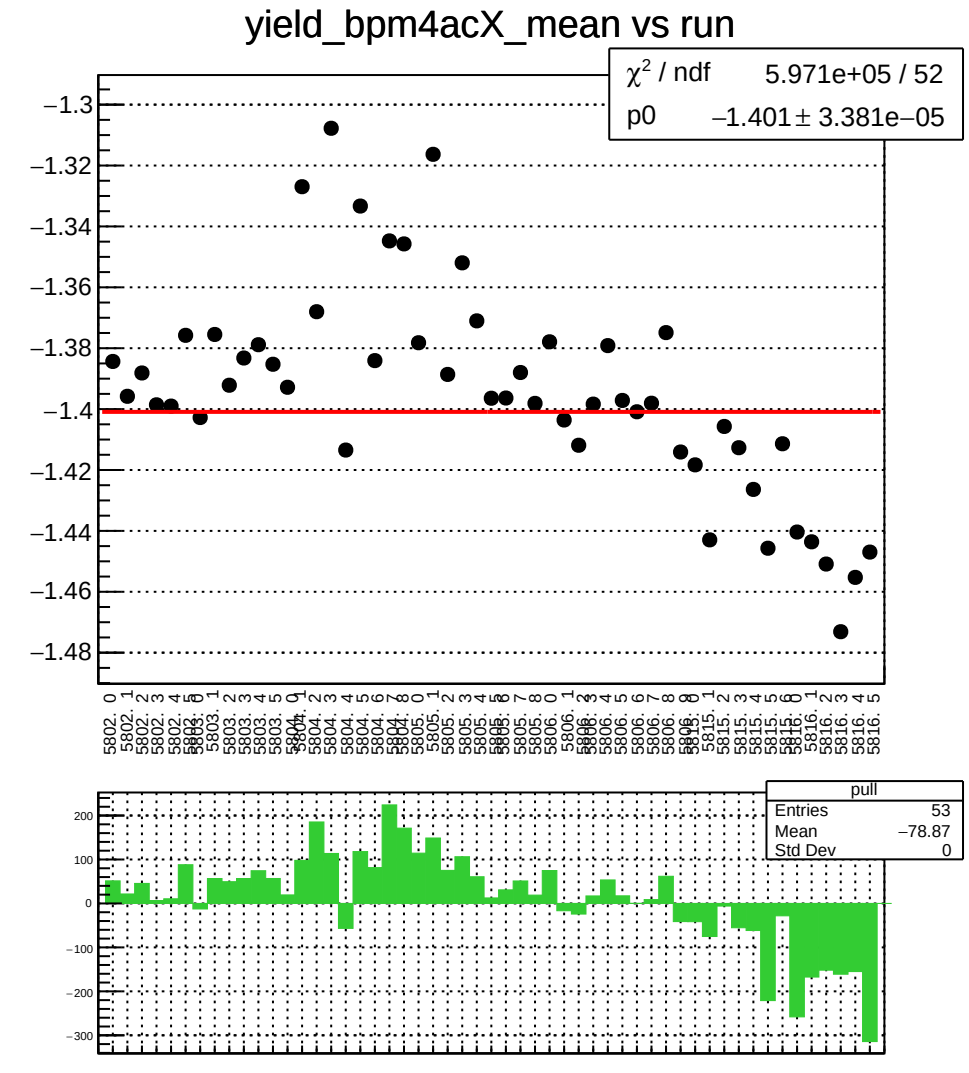

pull1D
Entries 53
Mean −1.174
Std Dev 3.719
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

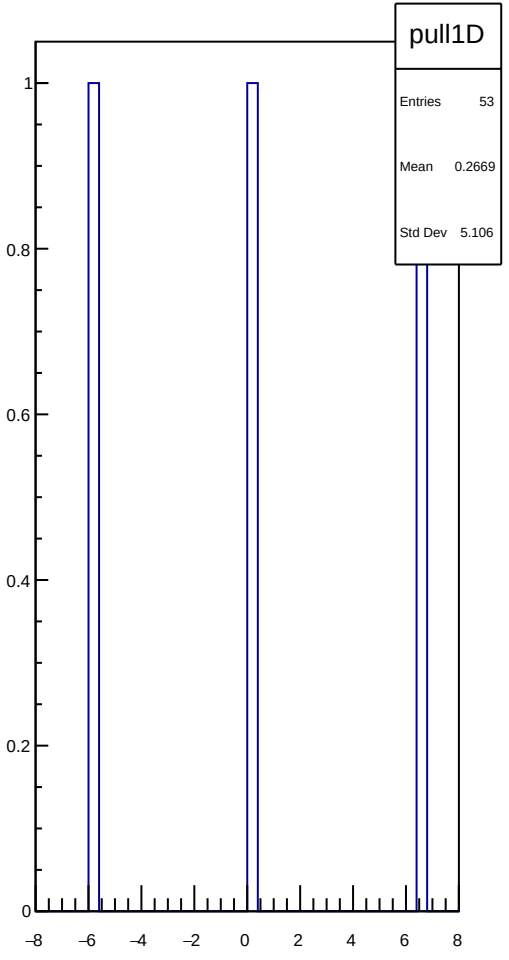

yield_bpm4eX_rms vs run
χ² / ndf 1.451e+05 / 52
p0 0.01689 ± 1.825e−05
0.06
0.05
0.04
0.03
0.02
0.01

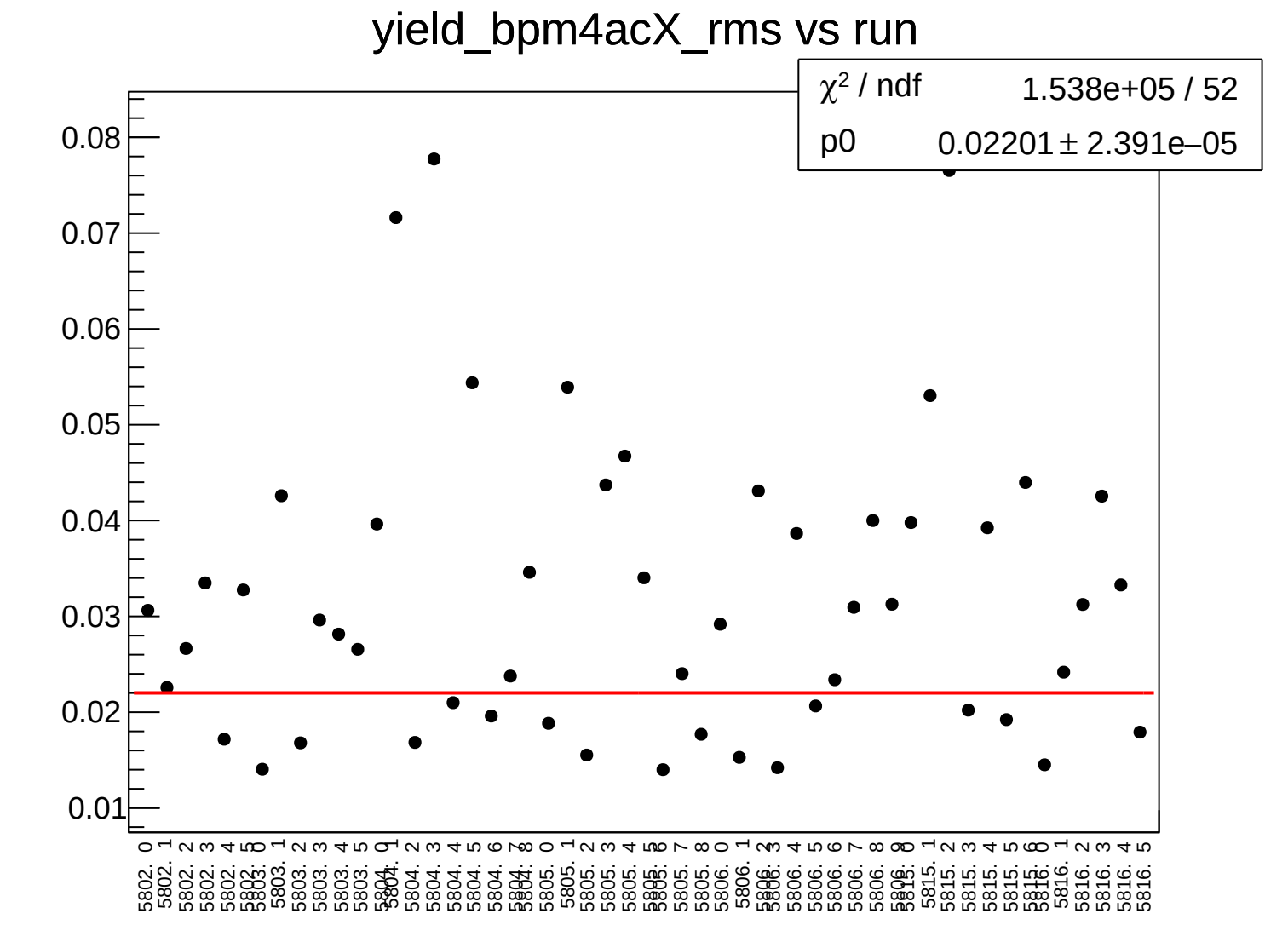

yield_bpm4eY_mean vs run
χ² / ndf 6.101e+04 / 52
p0 1.42 ± 6.112e−05
1.46
1.44
1.42
1.4
1.38
1.36
pull
Entries 53
Mean −97.75
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

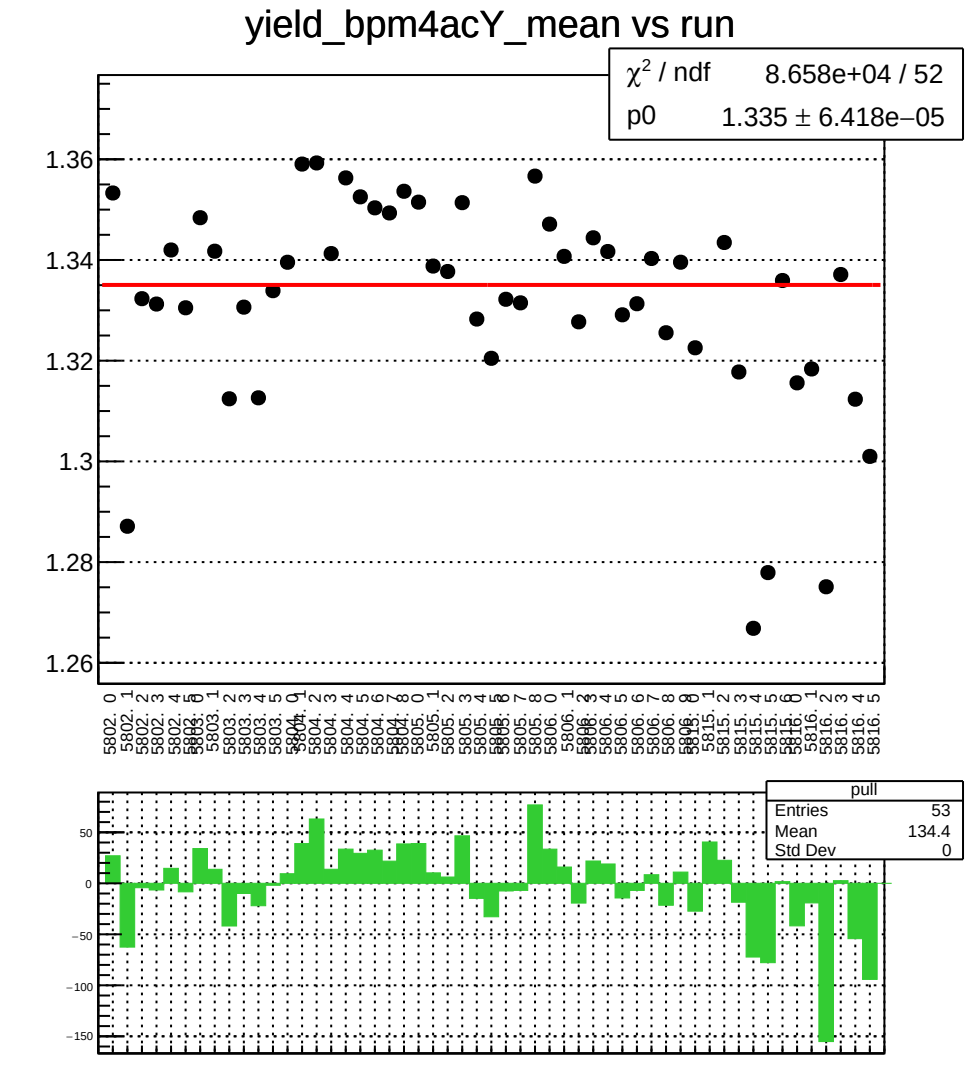

pull1D
Entries 53
Mean −0.05976
Std Dev 5.865
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

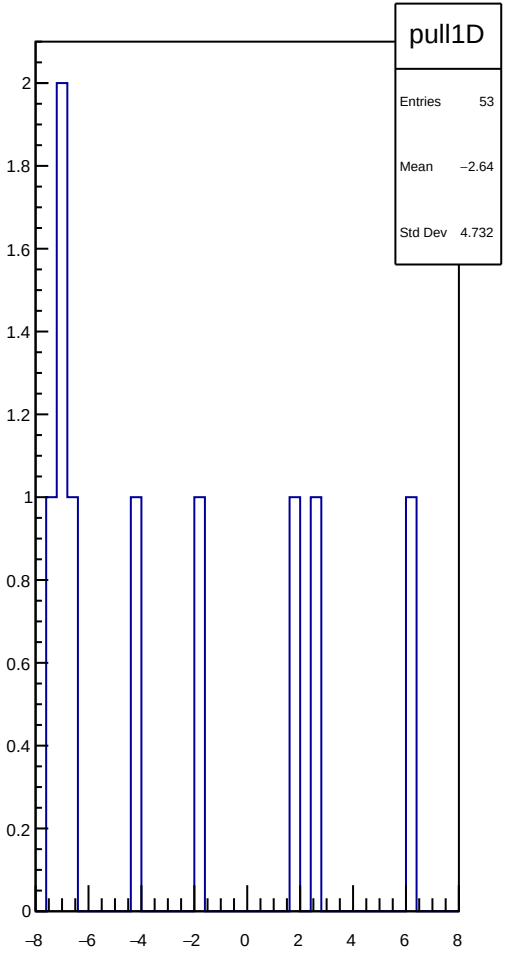

yield_bpm4eY_rms vs run
χ² / ndf 7.216e+04 / 52
p0 0.04167 ± 4.322e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

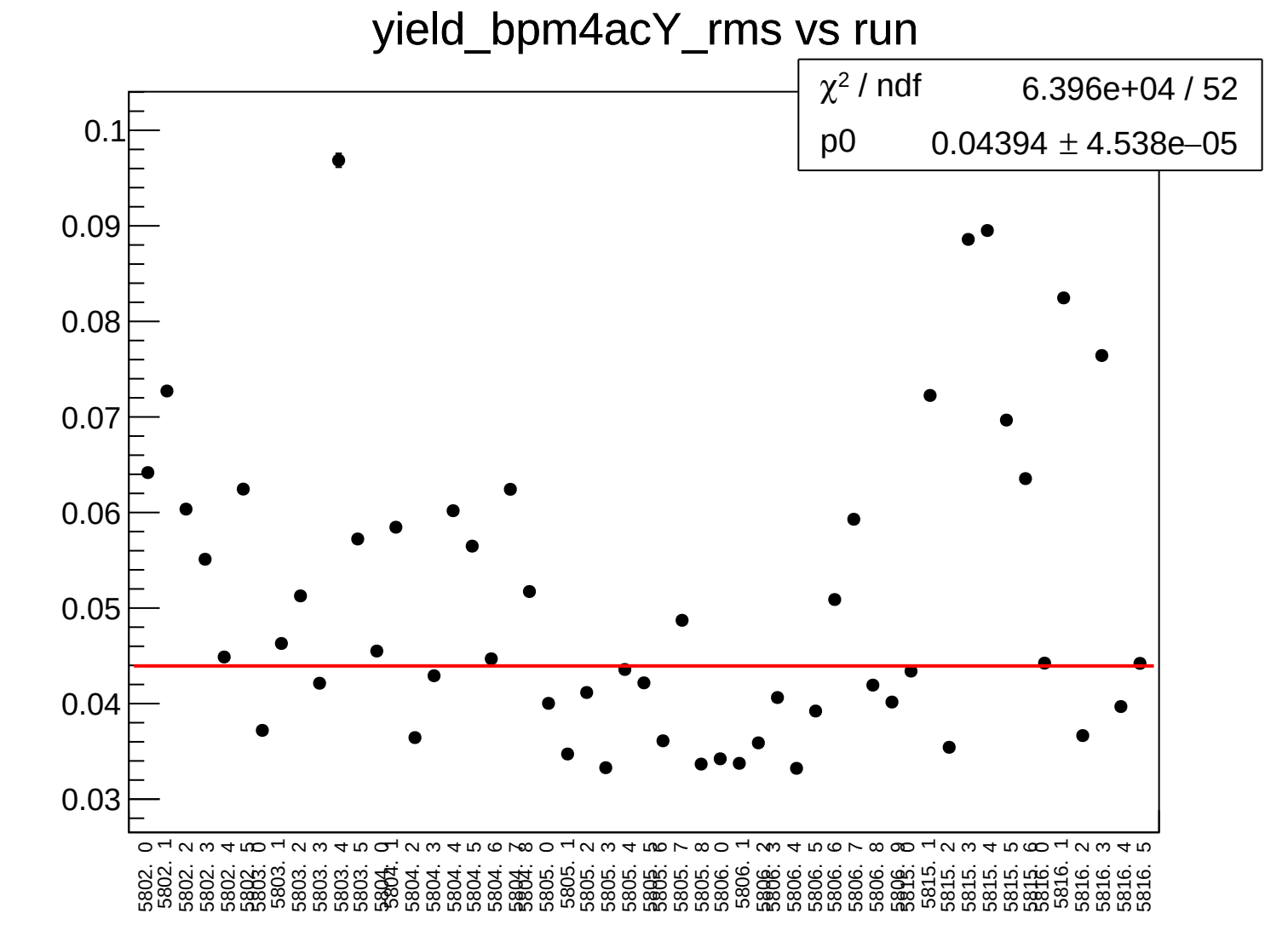

yield_bpm4acX_mean vs run
χ² / ndf 5.971e+05 / 52
p0 −1.401 ± 3.381e−05
pull
Entries 53
Mean −78.87
Std Dev 0

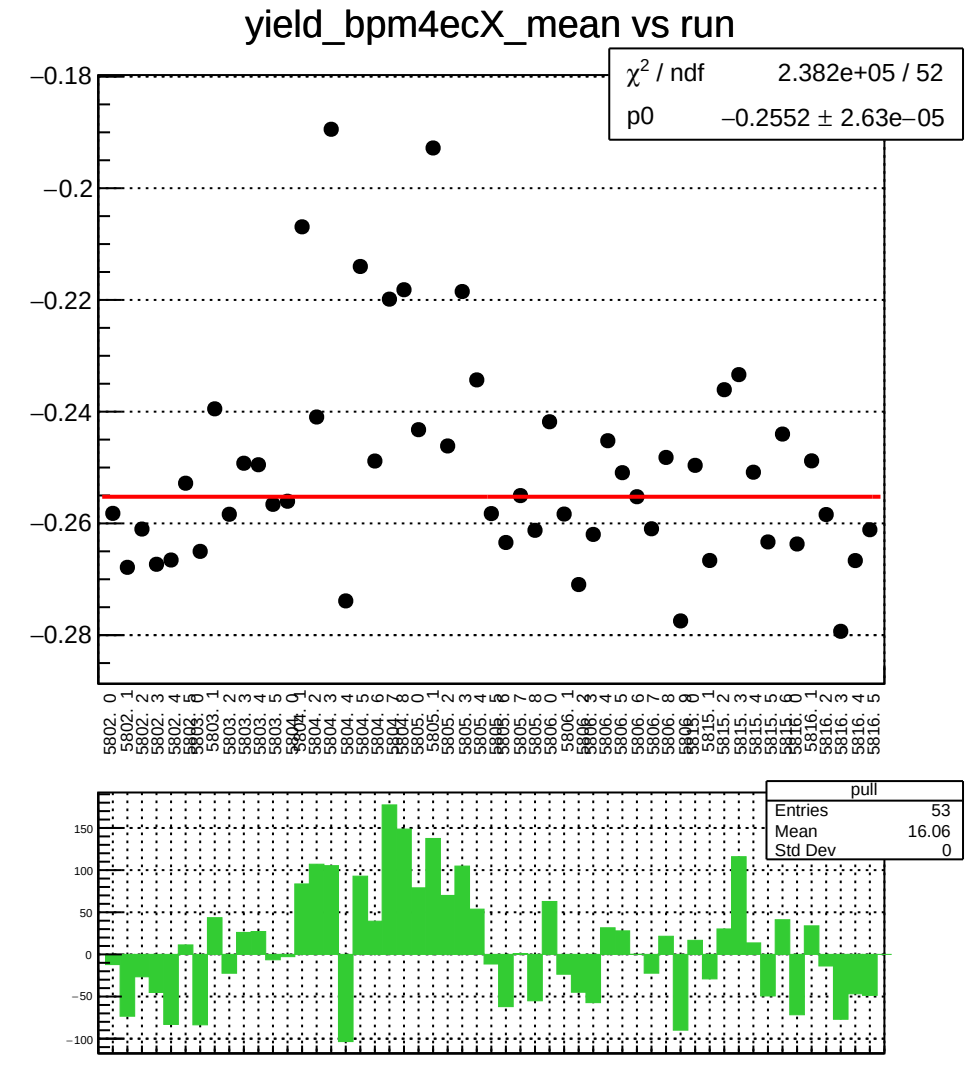

pull1D
Entries 53
Mean 0.2669
Std Dev 5.106

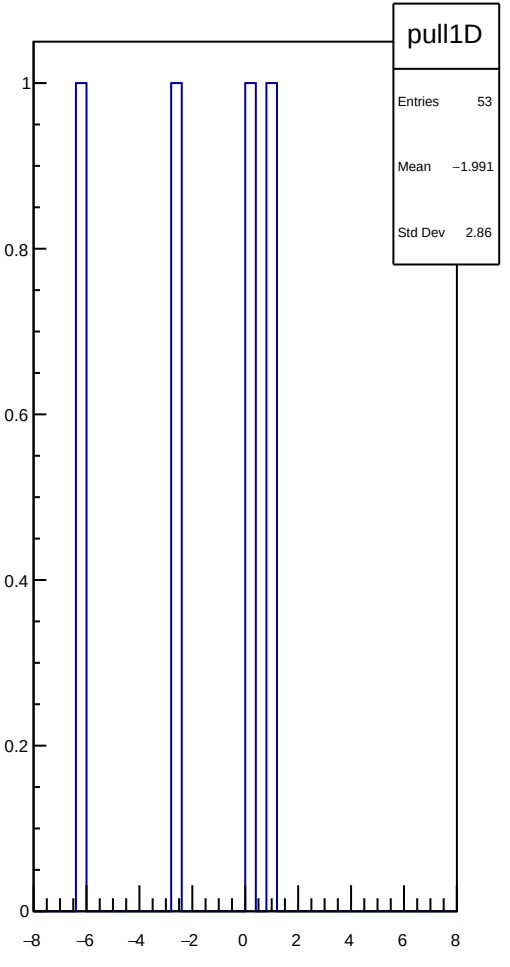

yield_bpm4acX_rms vs run
χ² / ndf 1.538e+05 / 52
p0 0.02201 ± 2.391e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

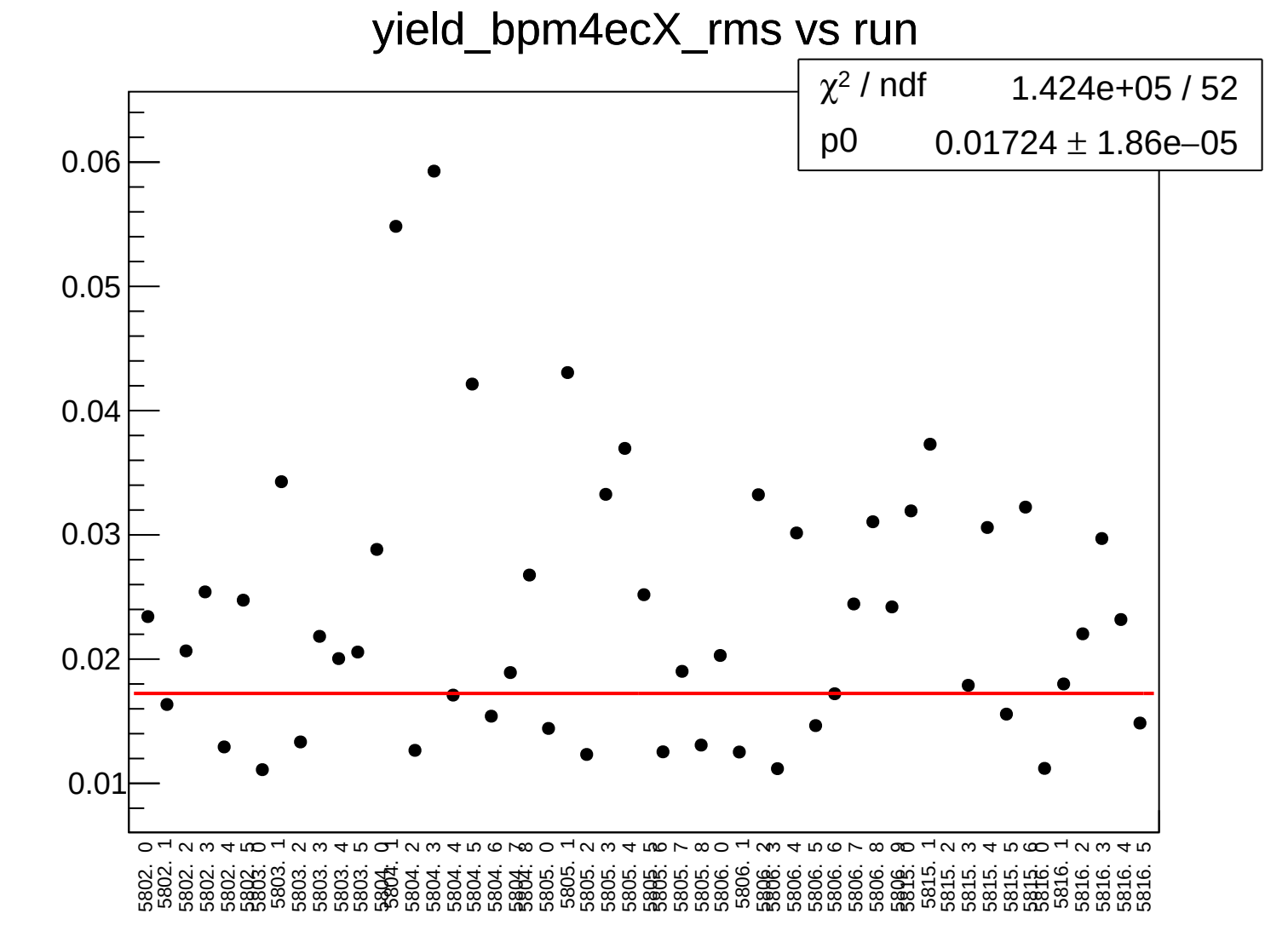

yield_bpm4acY_mean vs run
χ² / ndf 8.658e+04 / 52
p0 1.335 ± 6.418e−05
1.36
1.34
1.32
1.3
1.28
1.26
pull
Entries 53
Mean 134.4
Std Dev 0
50
0
−50
−100
−150

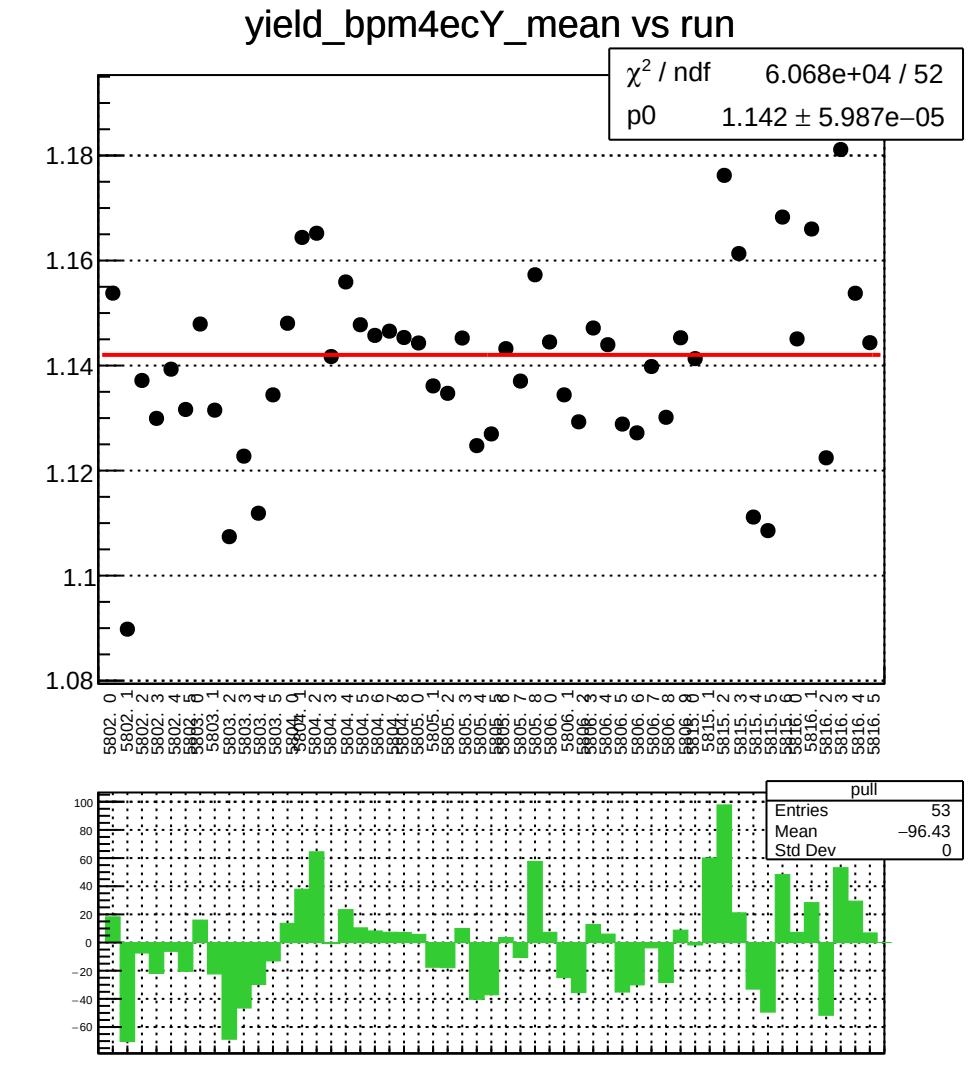

pull1D
Entries 53
Mean −2.64
Std Dev 4.732
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

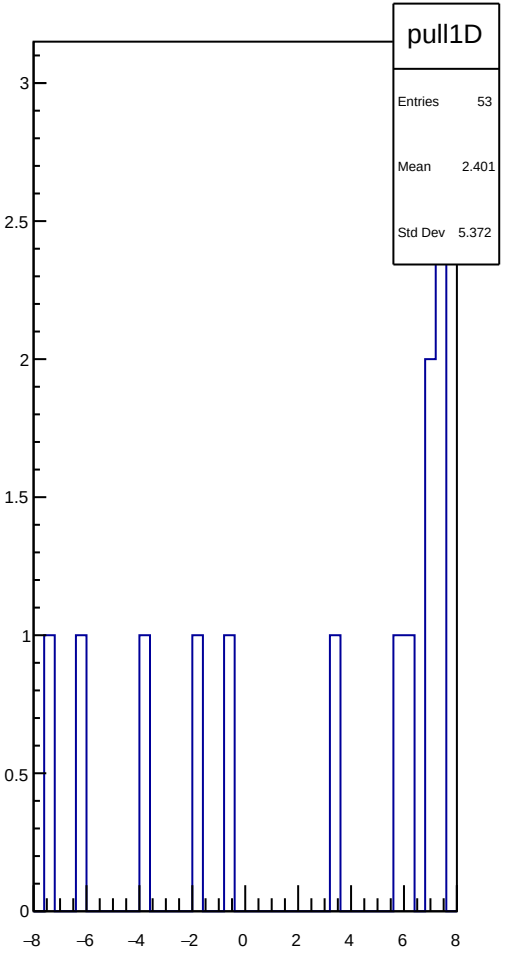

yield_bpm4acY_rms vs run
χ² / ndf 6.396e+04 / 52
p0 0.04394 ± 4.538e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

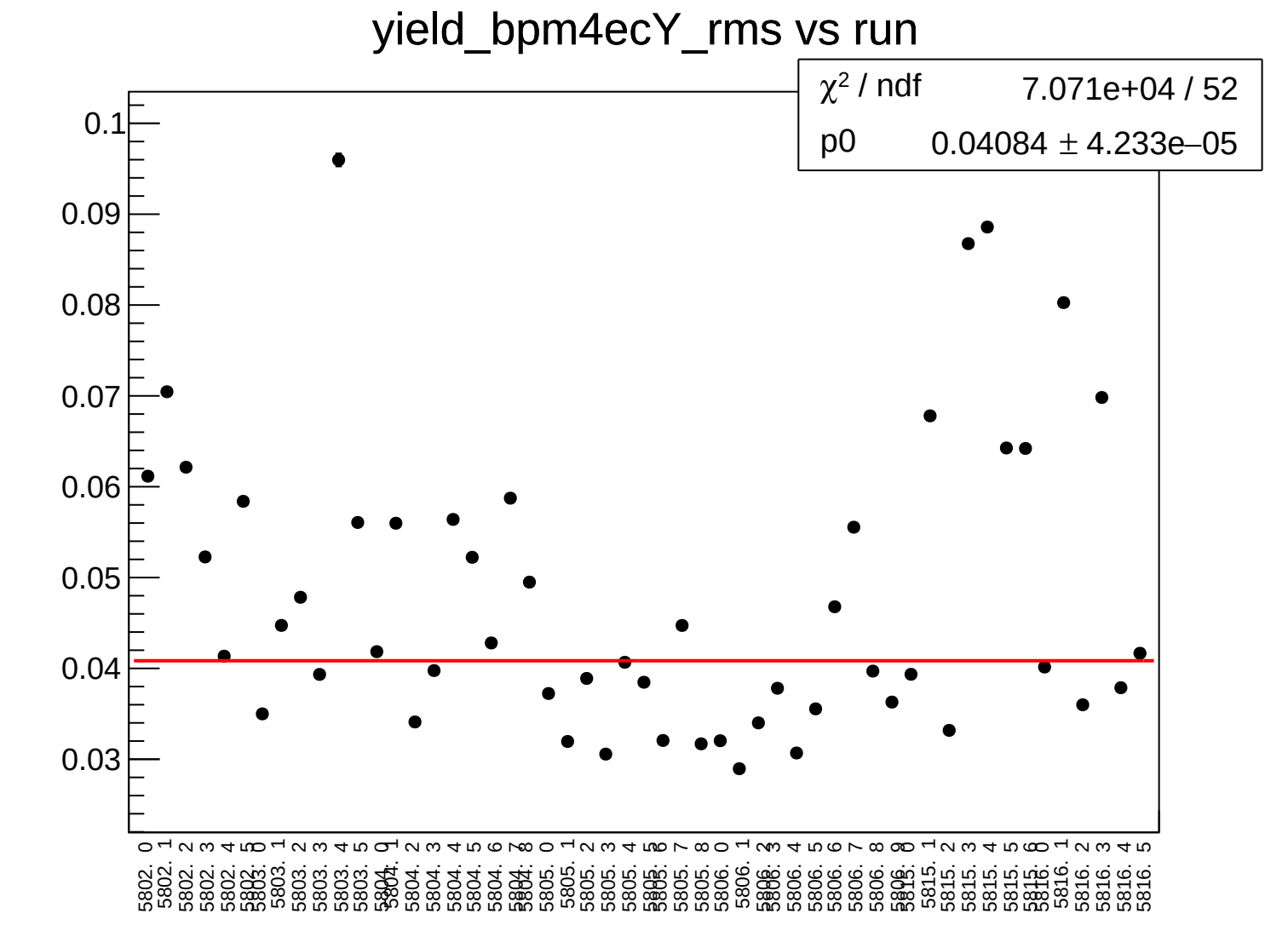

yield_bpm4ecX_mean vs run
χ² / ndf 2.382e+05 / 52
p0 −0.2552 ± 2.63e−05
−0.18
−0.2
−0.22
−0.24
−0.26
−0.28
pull
Entries 53
Mean 16.06
Std Dev 0
150
100
50
0
−50
−100

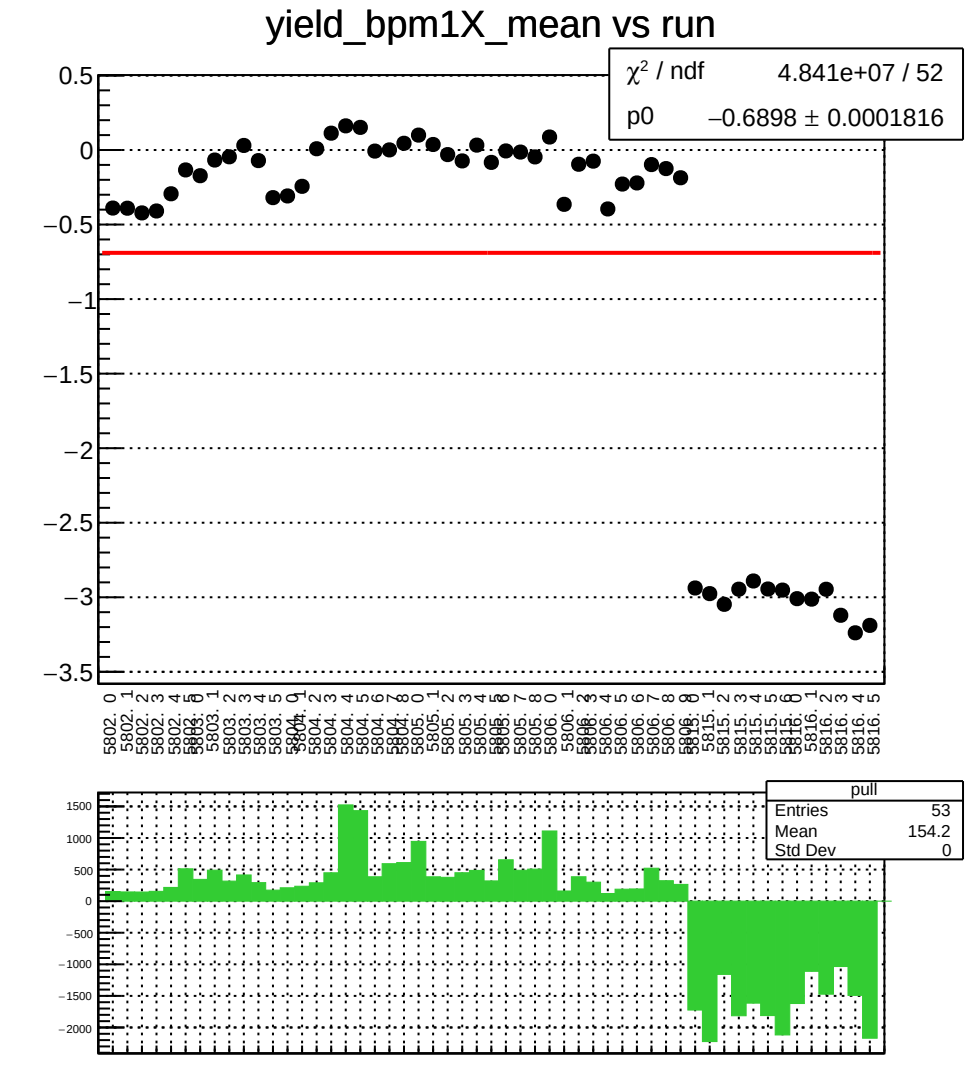

pull1D
Entries 53
Mean −1.991
Std Dev 2.86
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

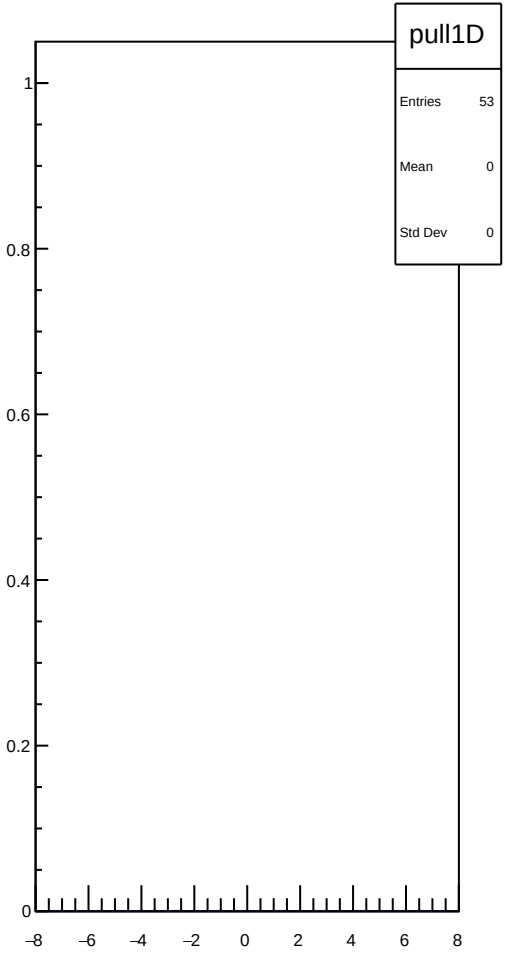

yield_bpm4ecX_rms vs run
χ² / ndf 1.424e+05 / 52
p0 0.01724 ± 1.86e−05
0.06
0.05
0.04
0.03
0.02
0.01

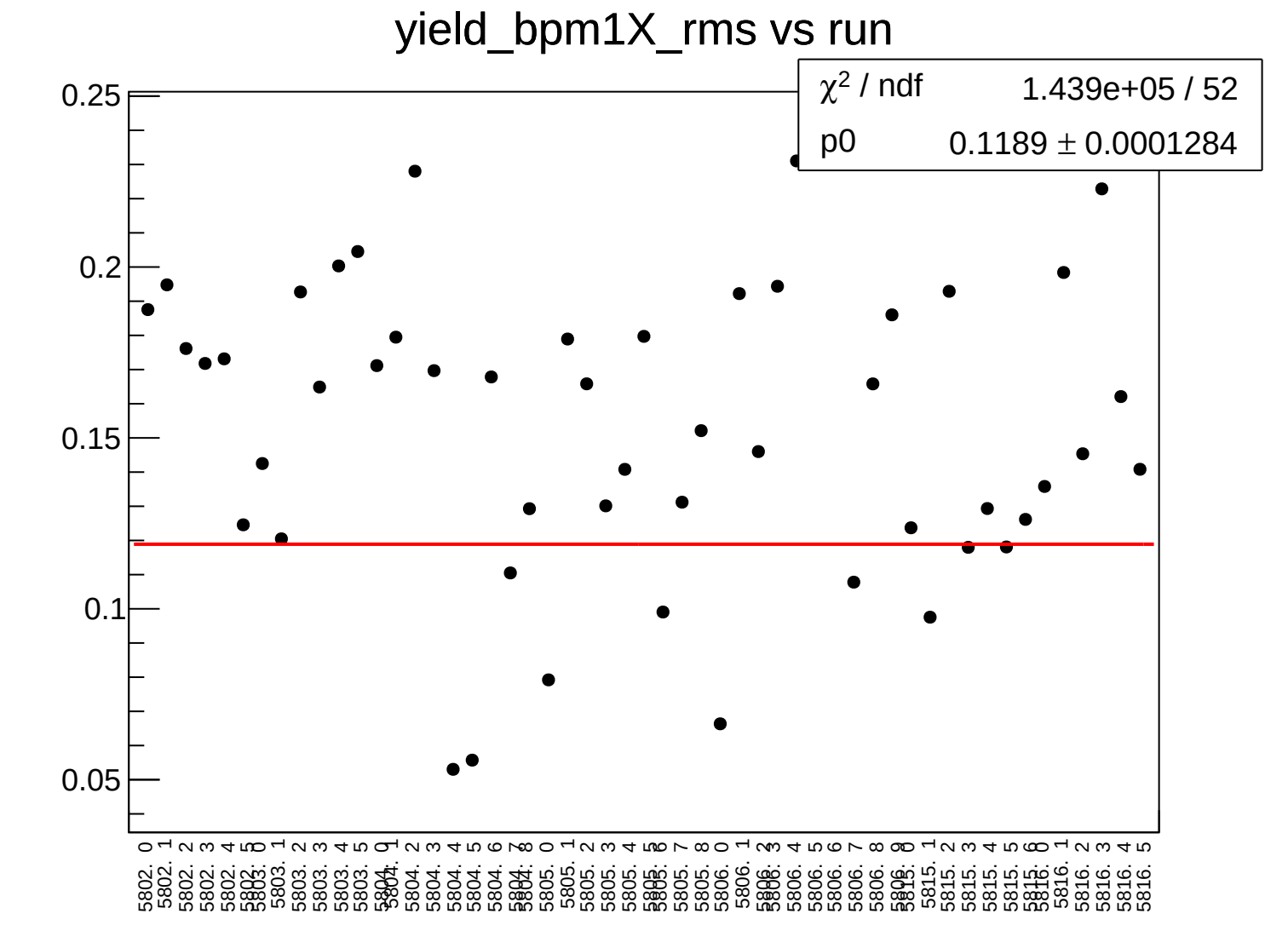

yield_bpm4ecY_mean vs run
χ² / ndf 6.068e+04 / 52
p0 1.142 ± 5.987e−05
1.18
1.16
1.14
1.12
1.1
1.08
pull
Entries 53
Mean −96.43
Std Dev 0
100
80
60
40
20
0
−20
−40
−60

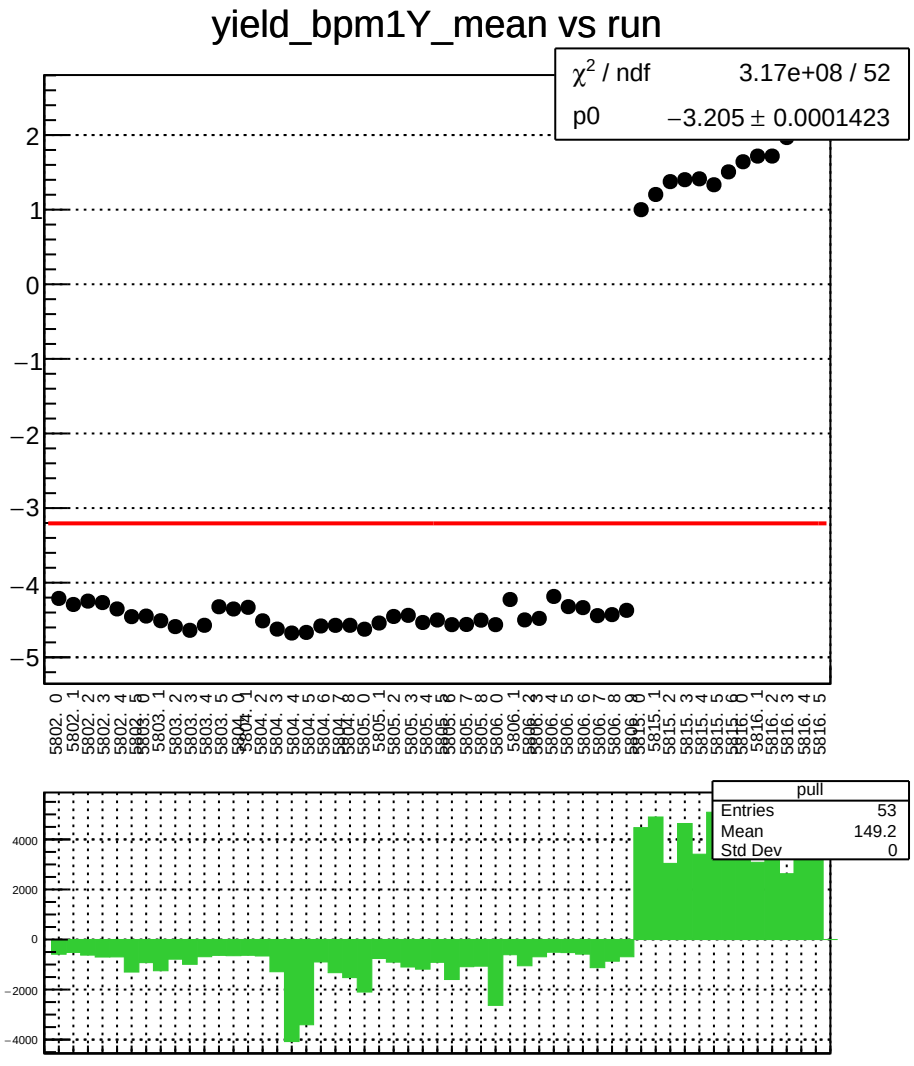

pull1D
Entries 53
Mean 2.401
Std Dev 5.372
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

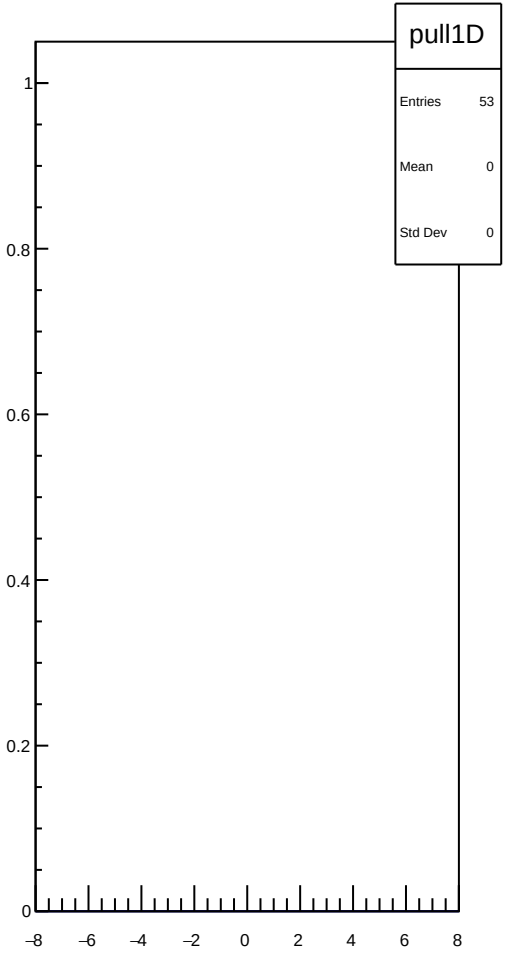

yield_bpm4ecY_rms vs run
χ² / ndf 7.071e+04 / 52
p0 0.04084 ± 4.233e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

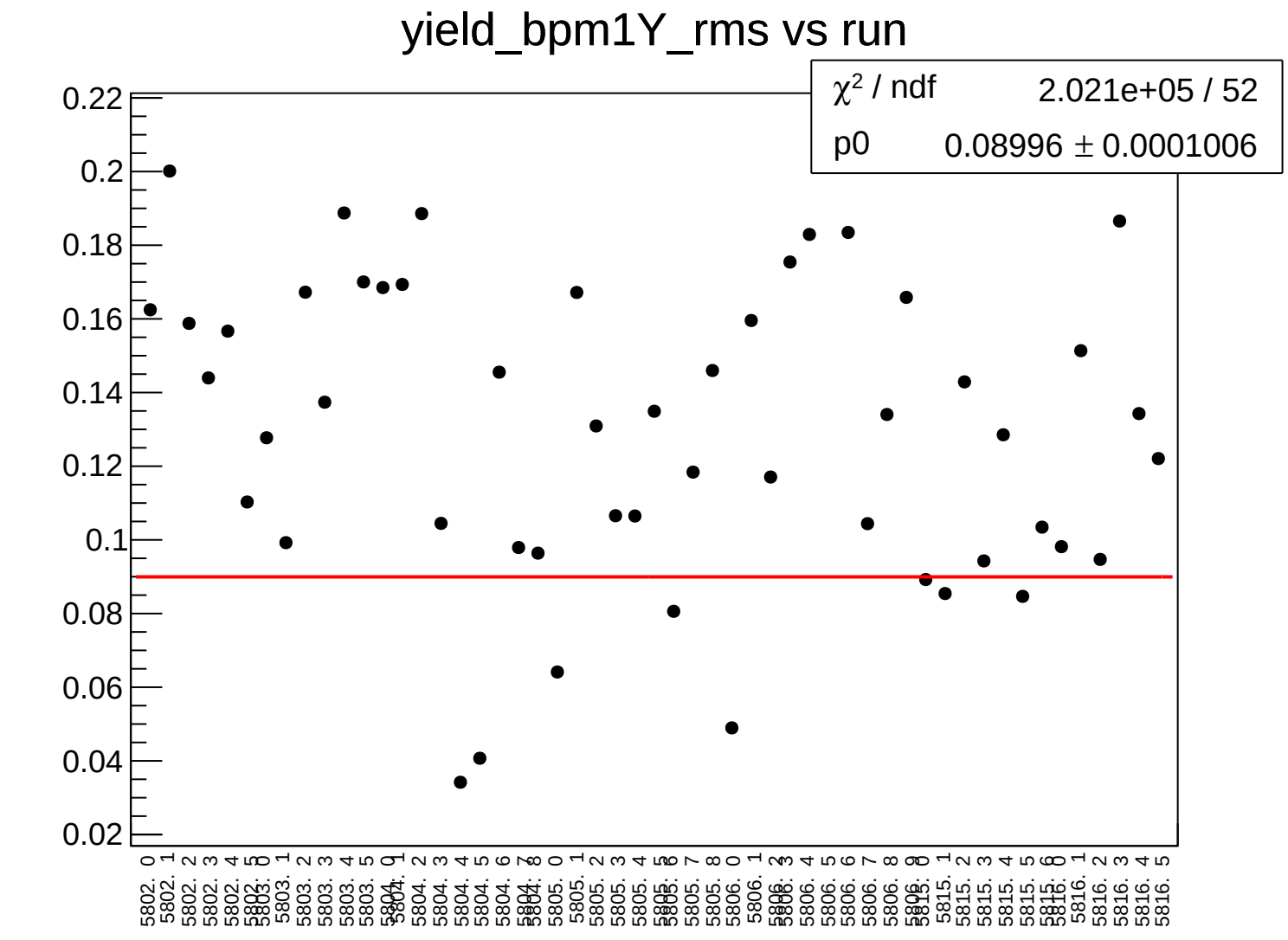

yield_bpm1X_mean vs run
χ² / ndf 4.841e+07 / 52
p0 −0.6898 ± 0.0001816
pull
Entries 53
Mean 154.2
Std Dev 0

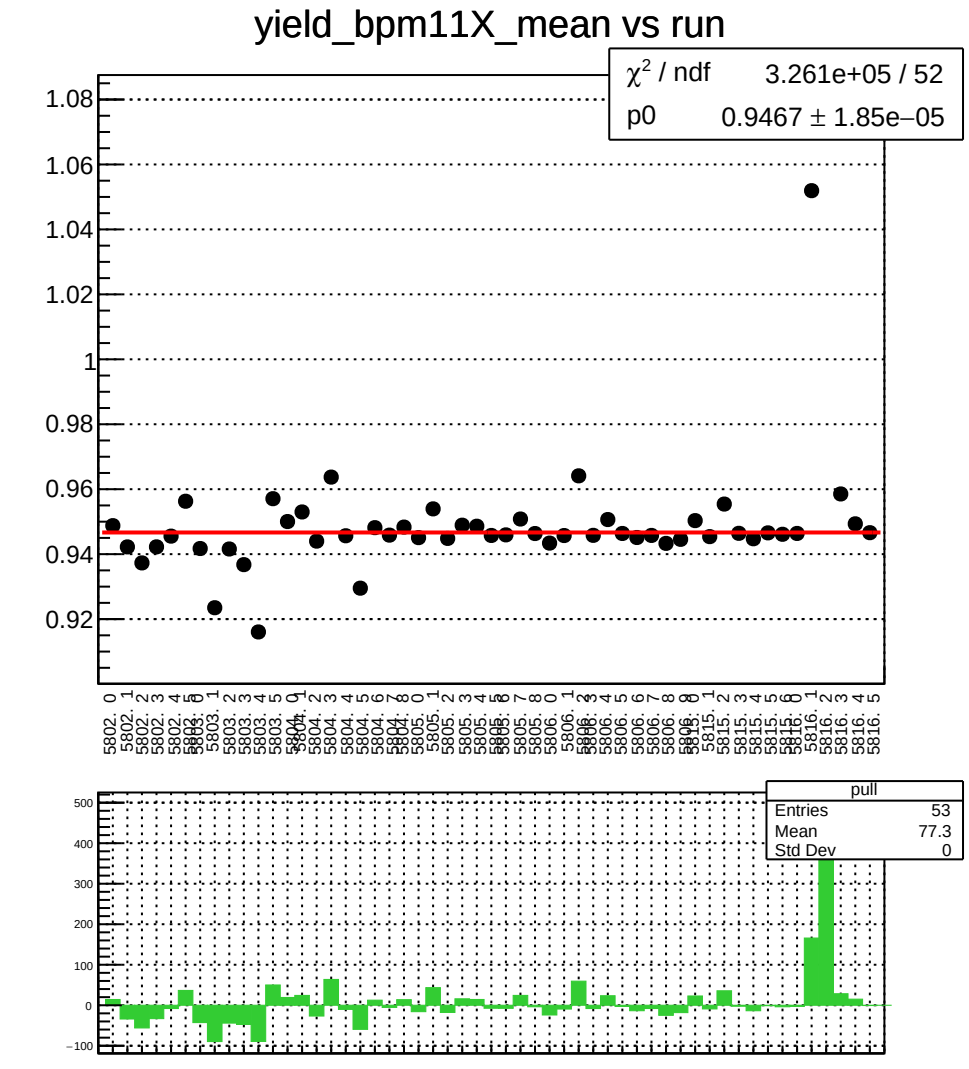

pull1D
Entries 53
Mean 0
Std Dev 0

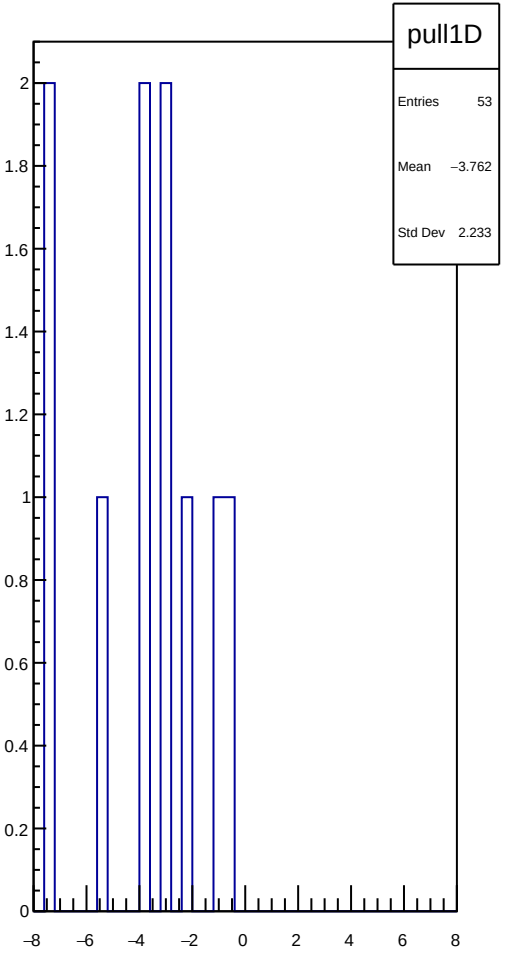

yield_bpm1X_rms vs run
χ² / ndf 1.439e+05 / 52
p0 0.1189 ± 0.0001284
0.25
0.2
0.15
0.1
0.05

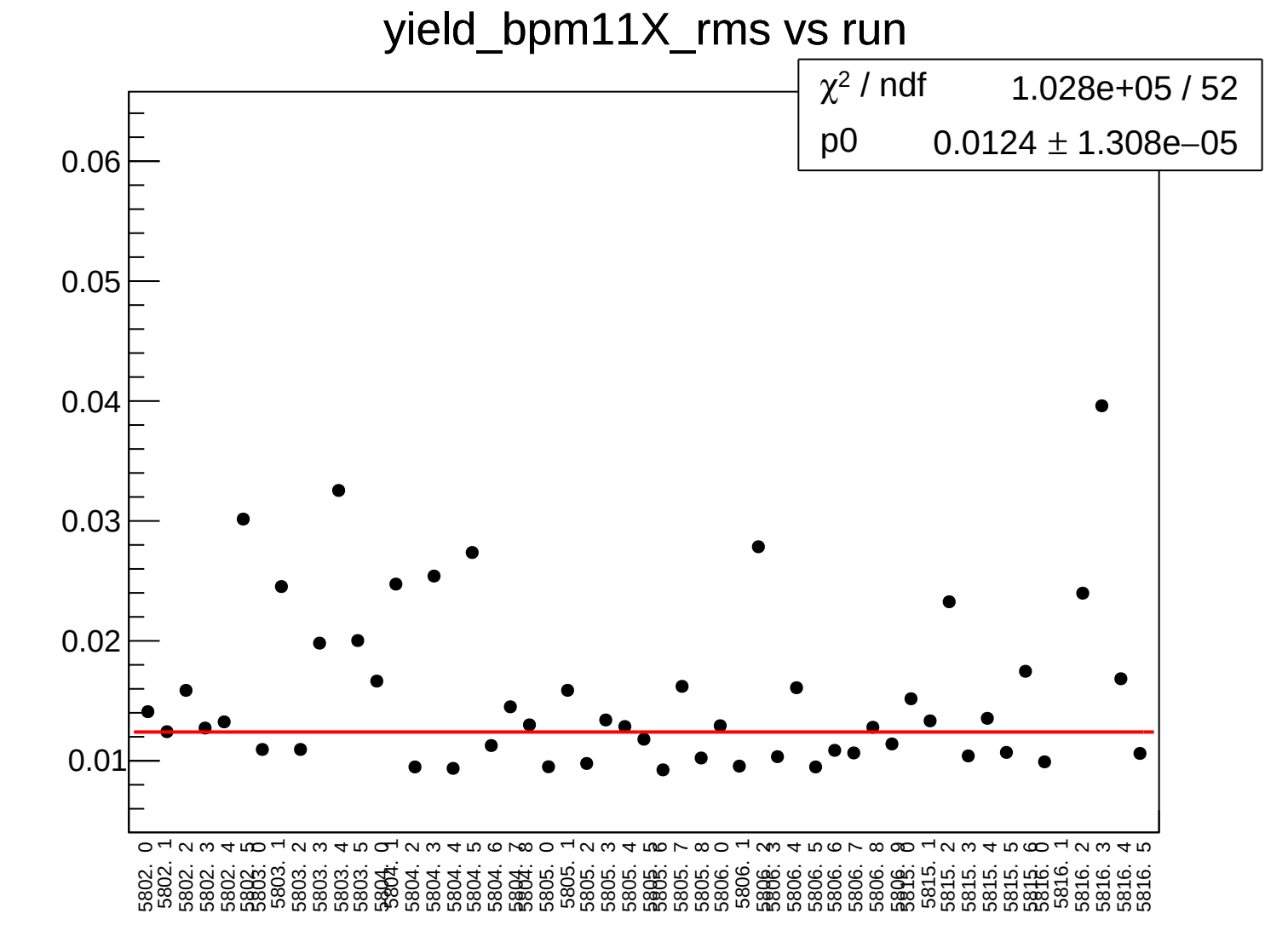

yield_bpm1Y_mean vs run
χ² / ndf 3.17e+08 / 52
p0 −3.205 ± 0.0001423
pull
Entries 53
Mean 149.2
Std Dev 0

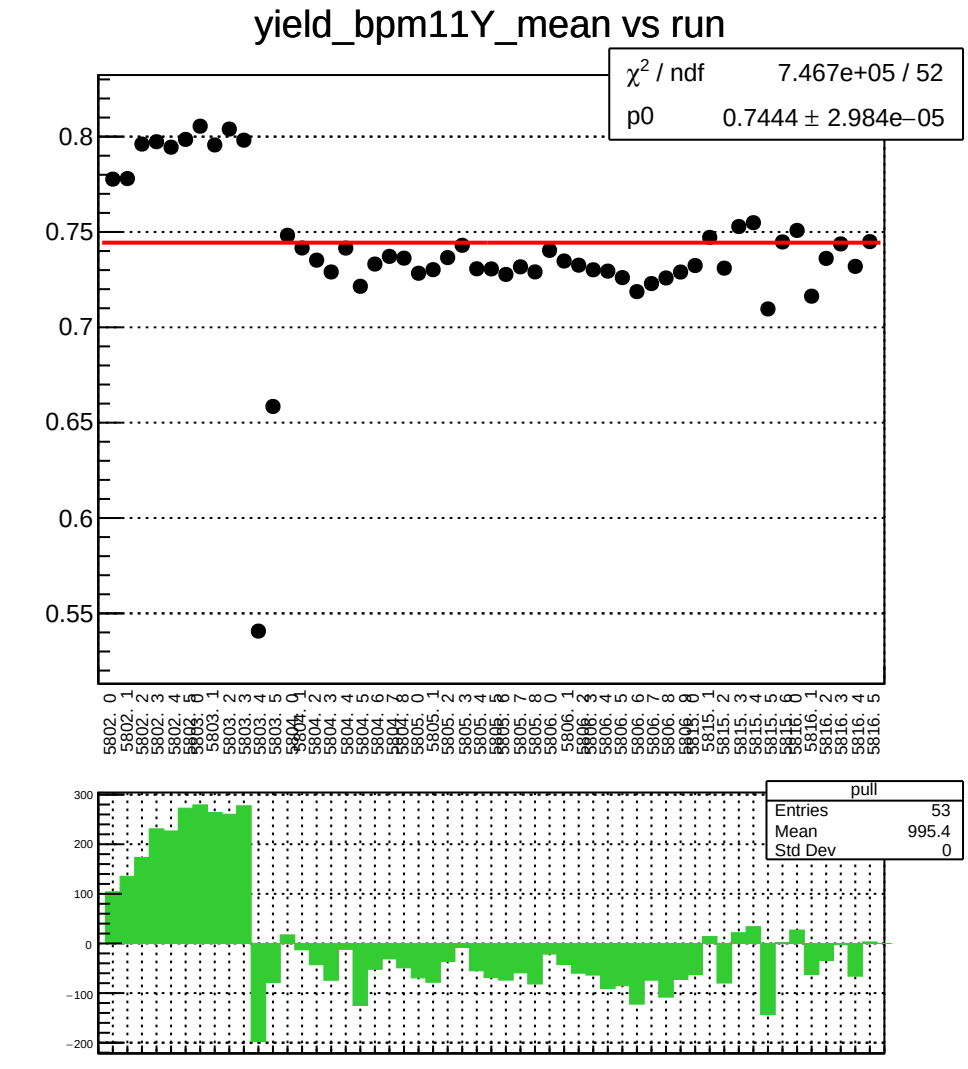

pull1D
Entries 53
Mean 0
Std Dev 0

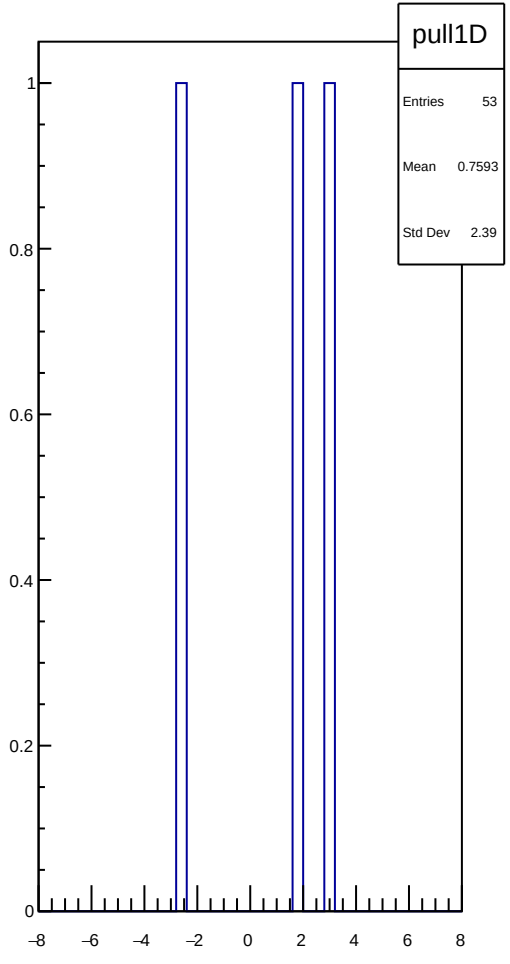

yield_bpm1Y_rms vs run
χ² / ndf 2.021e+05 / 52
p0 0.08996 ± 0.0001006
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

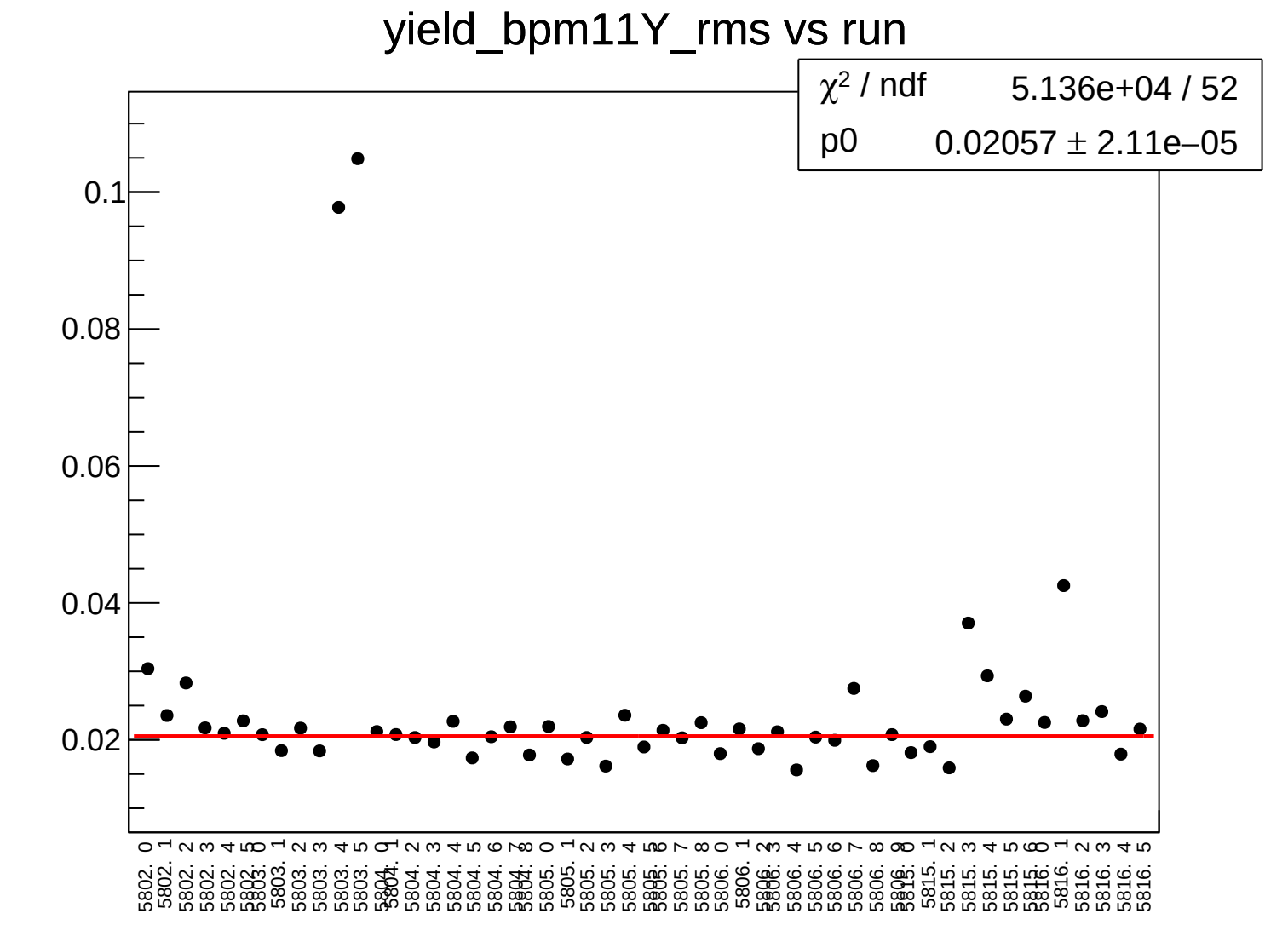

yield_bpm11X_mean vs run
χ² / ndf 3.261e+05 / 52
p0 0.9467 ± 1.85e−05
pull
Entries 53
Mean 77.3
Std Dev 0

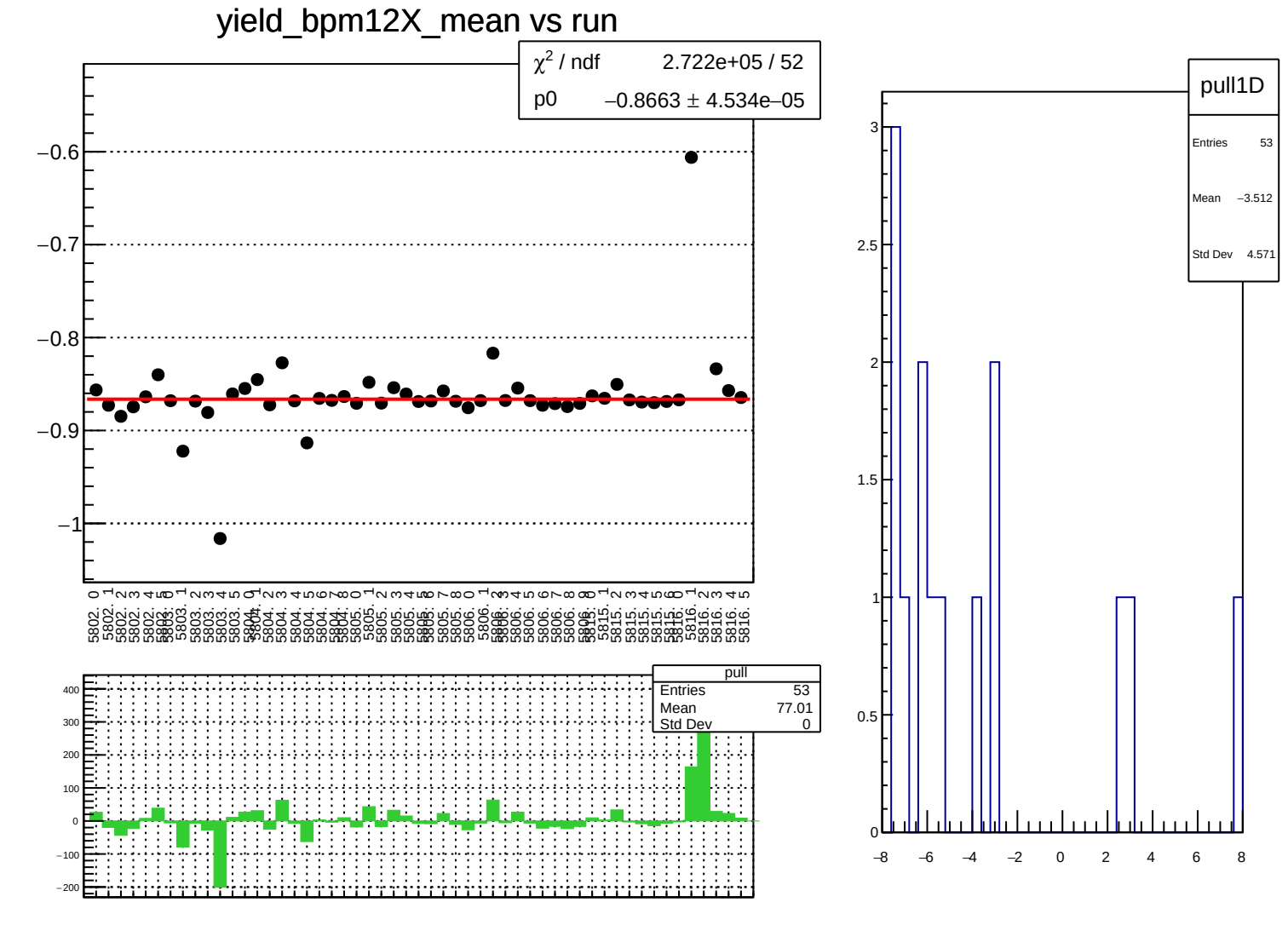

pull1D
Entries 53
Mean −3.762
Std Dev 2.233

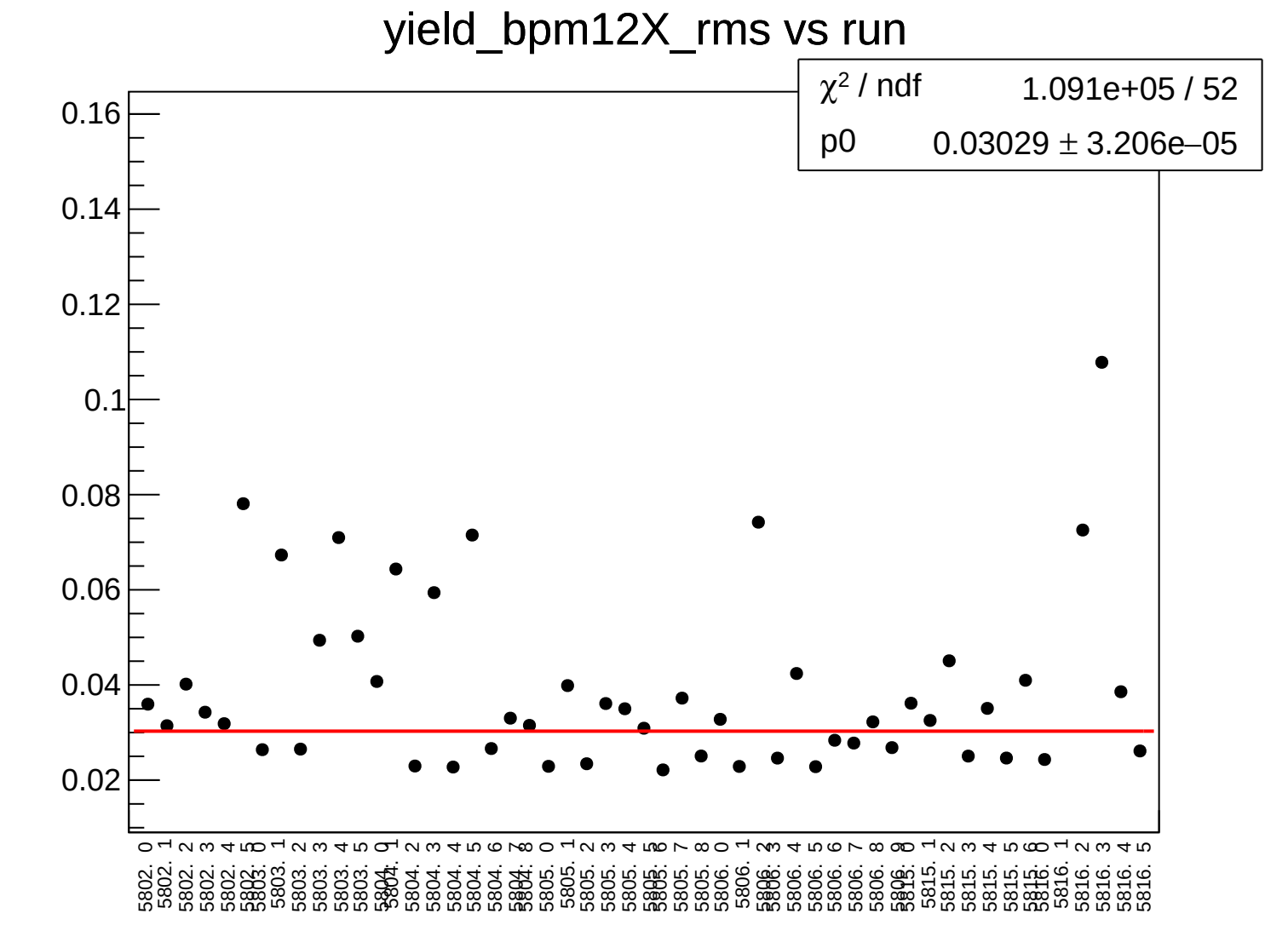

yield_bpm11X_rms vs run
χ² / ndf 1.028e+05 / 52
p0 0.0124 ± 1.308e−05
0.06
0.05
0.04
0.03
0.02
0.01

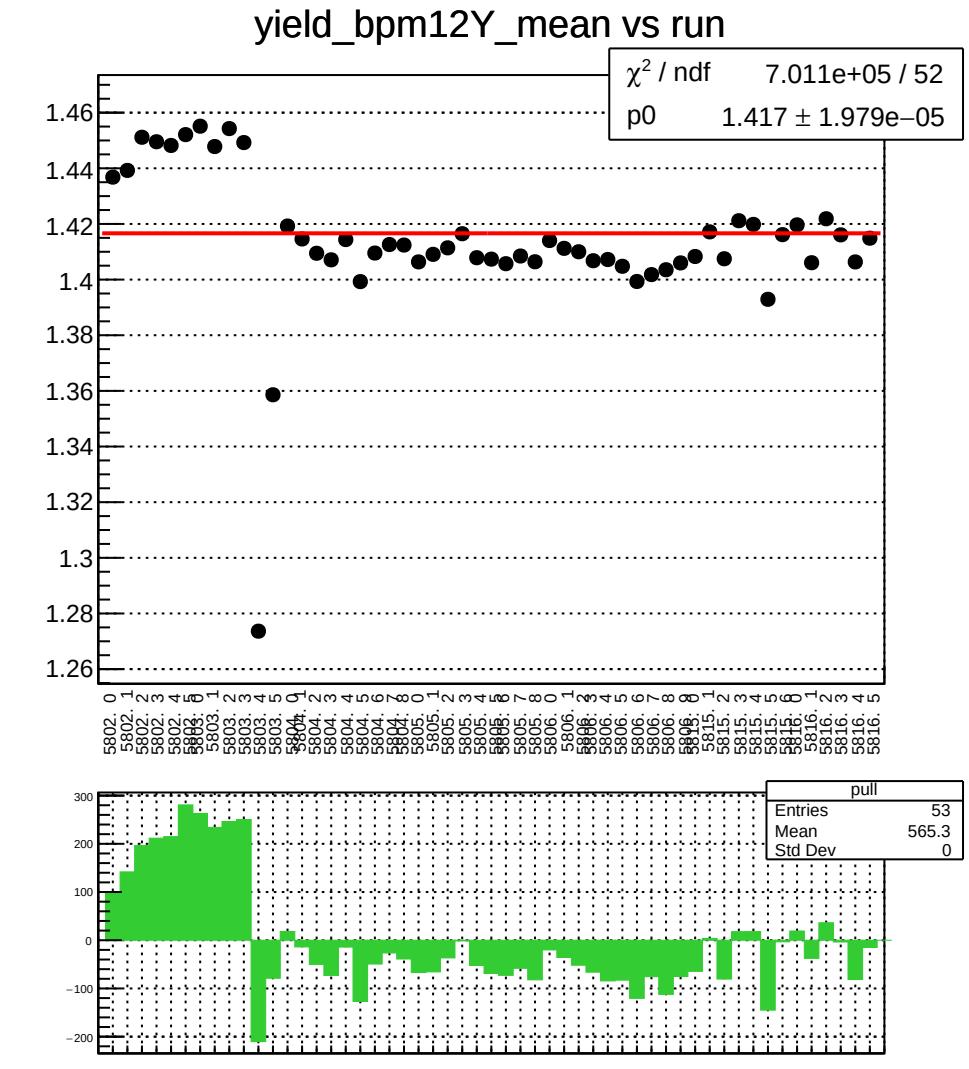

yield_bpm11Y_mean vs run
χ² / ndf 7.467e+05 / 52
p0 0.7444 ± 2.984e−05
pull
Entries 53
Mean 995.4
Std Dev 0

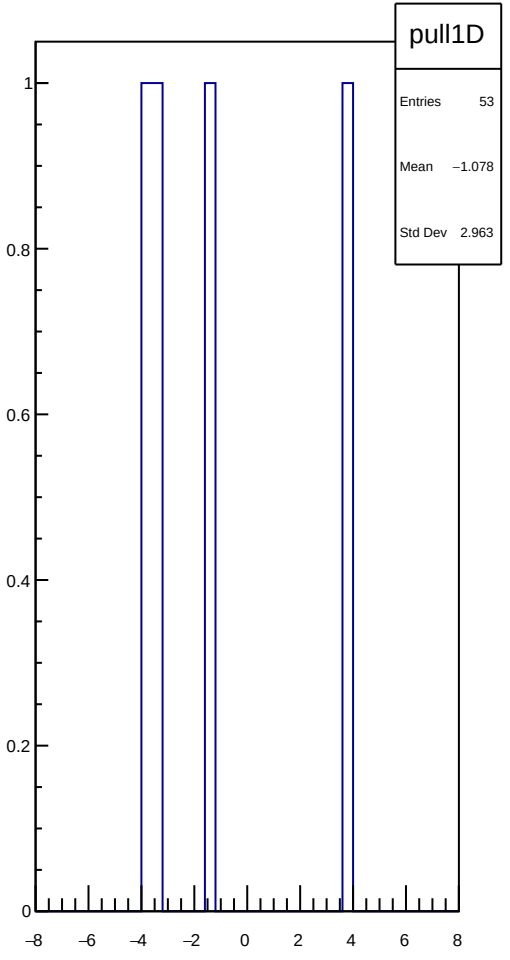

pull1D
Entries 53
Mean 0.7593
Std Dev 2.39

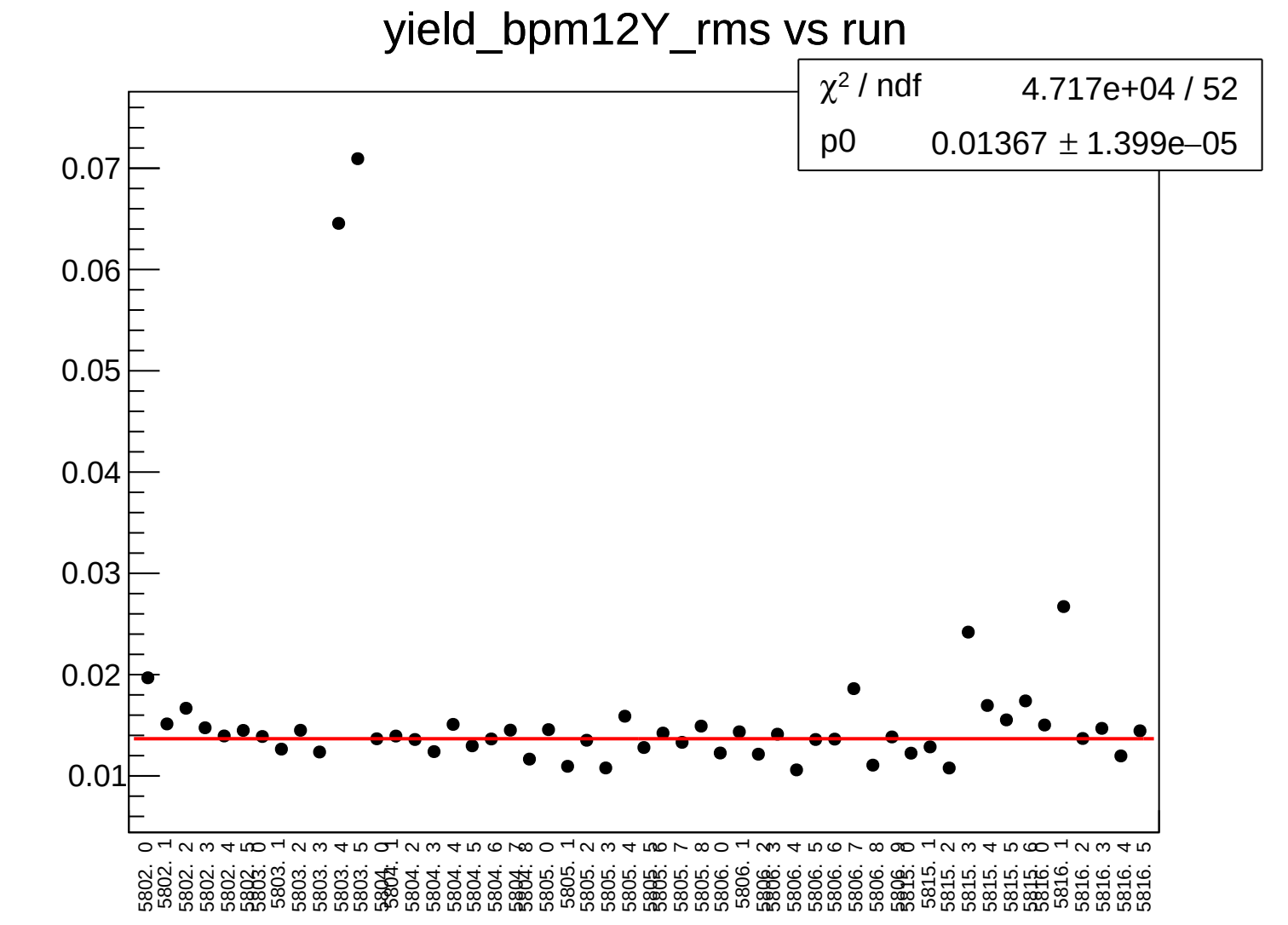

yield_bpm11Y_rms vs run
χ² / ndf 5.136e+04 / 52
p0 0.02057 ± 2.11e−05
0.1
0.08
0.06
0.04
0.02

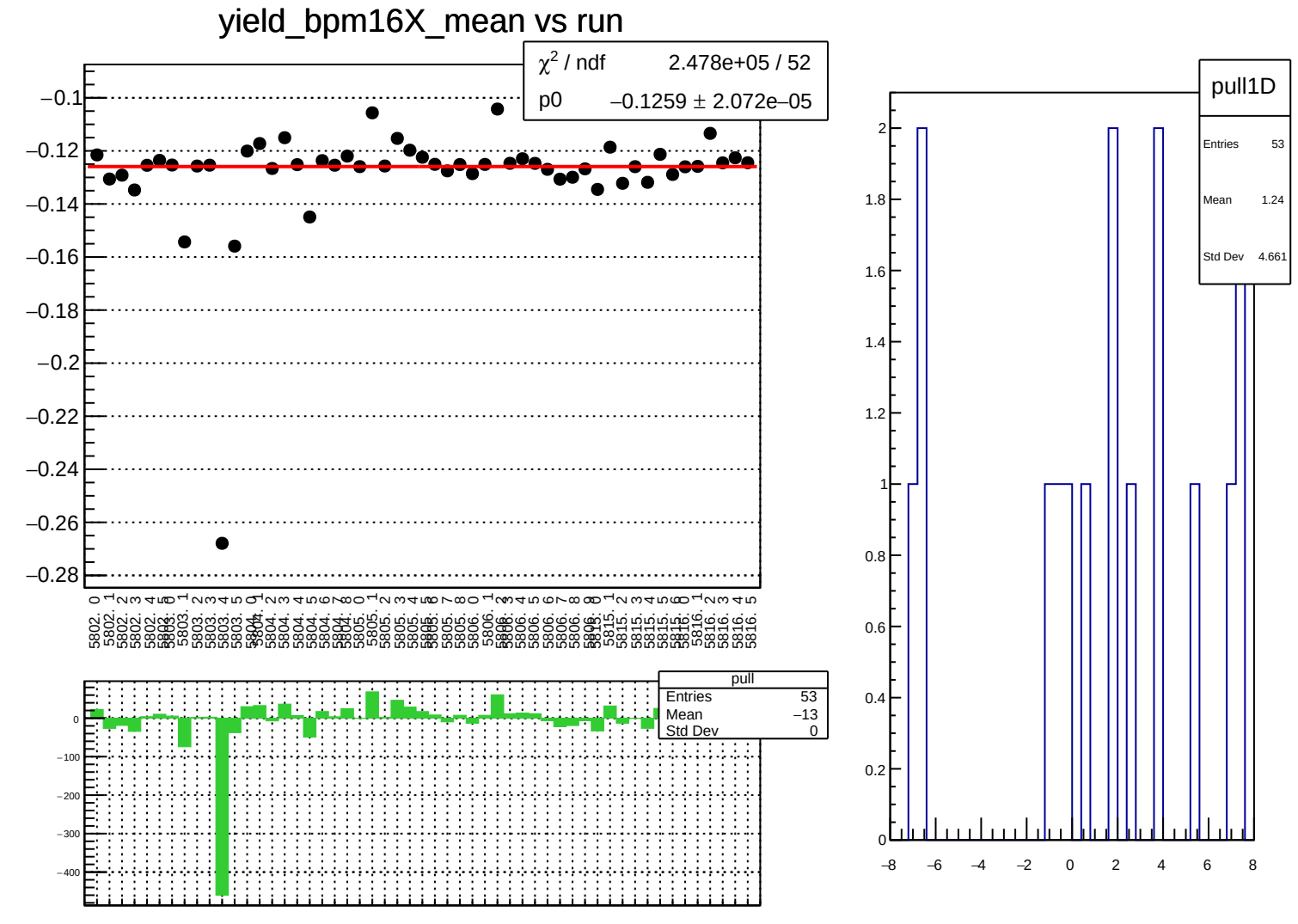

yield_bpm12X_mean vs run
χ² / ndf 2.722e+05 / 52
p0 −0.8663 ± 4.534e−05
−0.6
−0.7
−0.8
−0.9
−1
pull
Entries 53
Mean 77.01
Std Dev 0
400
300
200
100
0
−100
−200
pull1D
Entries 53
Mean −3.512
Std Dev 4.571
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

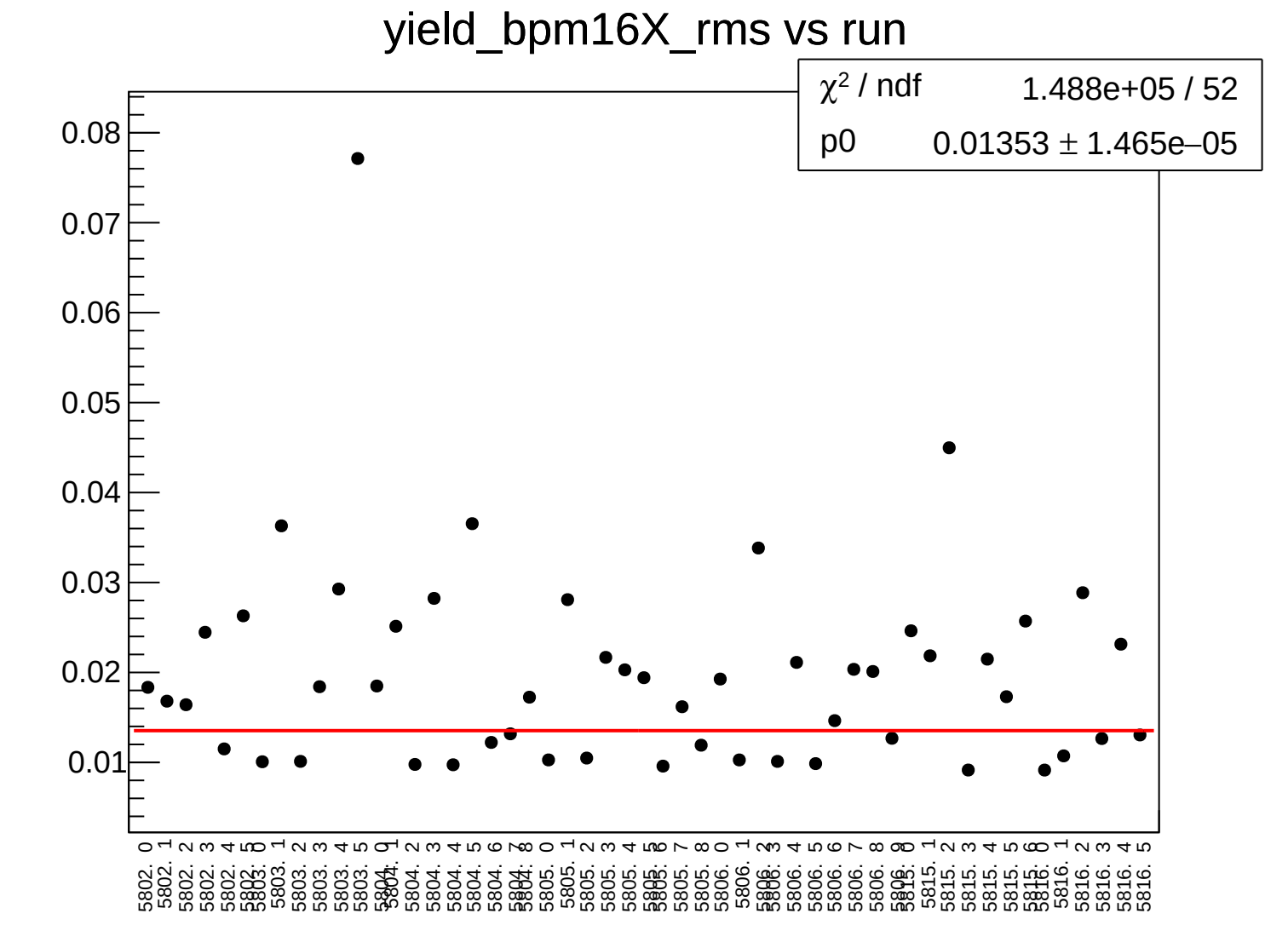

yield_bpm12X_rms vs run
χ² / ndf 1.091e+05 / 52
p0 0.03029 ± 3.206e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

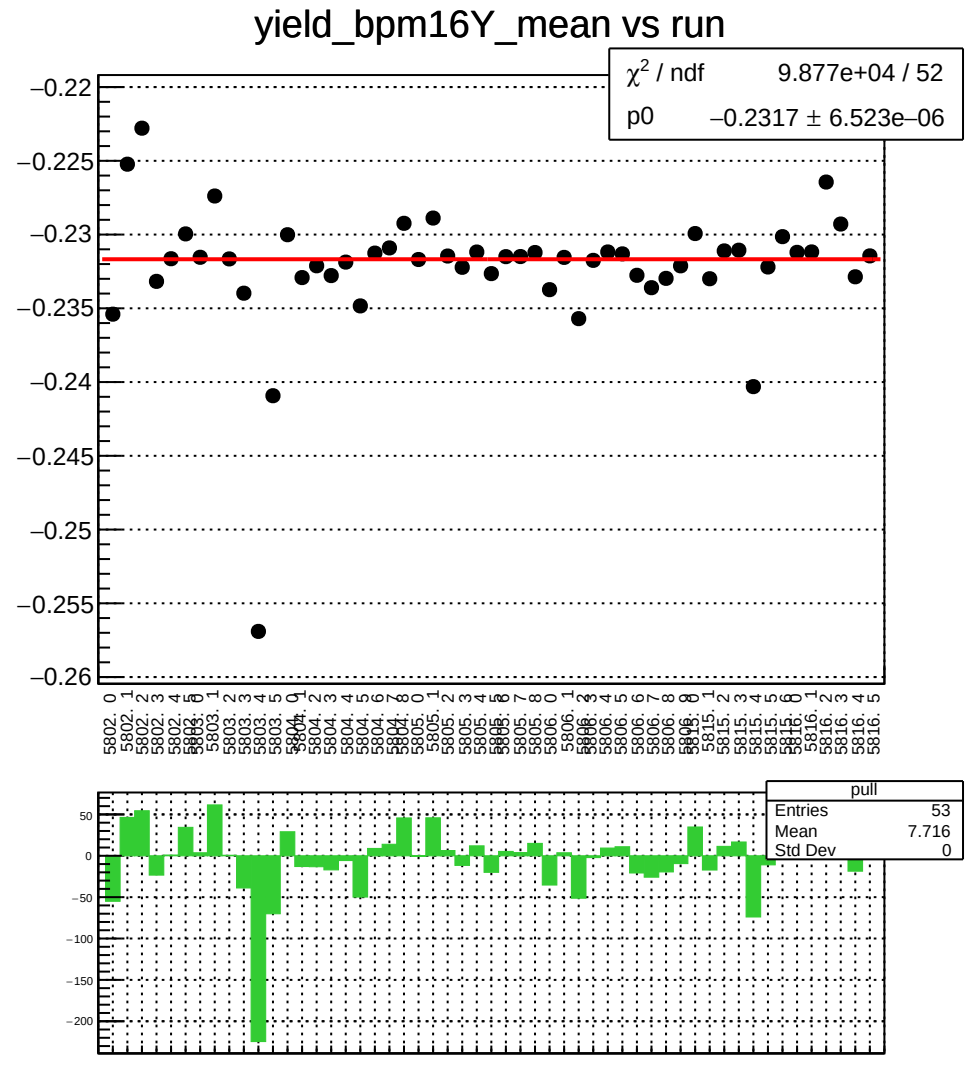

yield_bpm12Y_mean vs run
χ² / ndf 7.011e+05 / 52
p0 1.417 ± 1.979e−05
pull
Entries 53
Mean 565.3
Std Dev 0

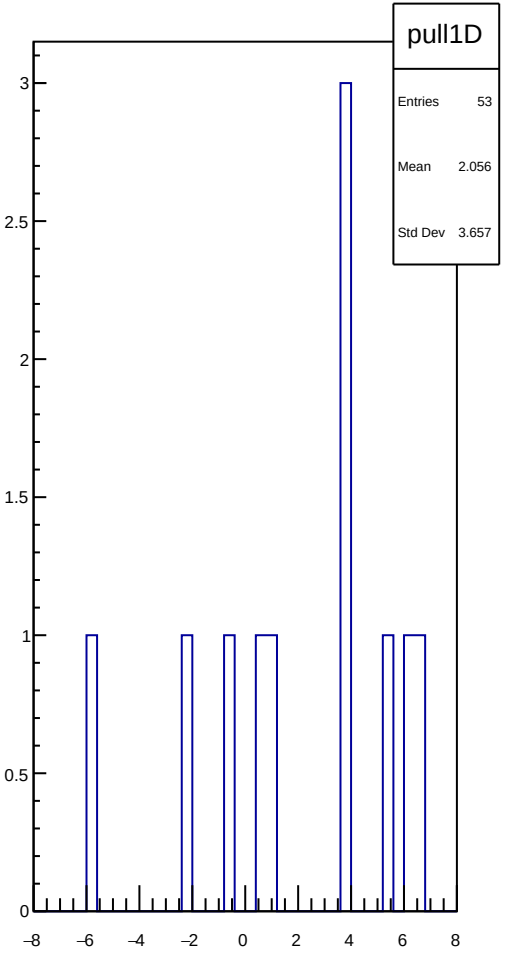

pull1D
Entries 53
Mean −1.078
Std Dev 2.963

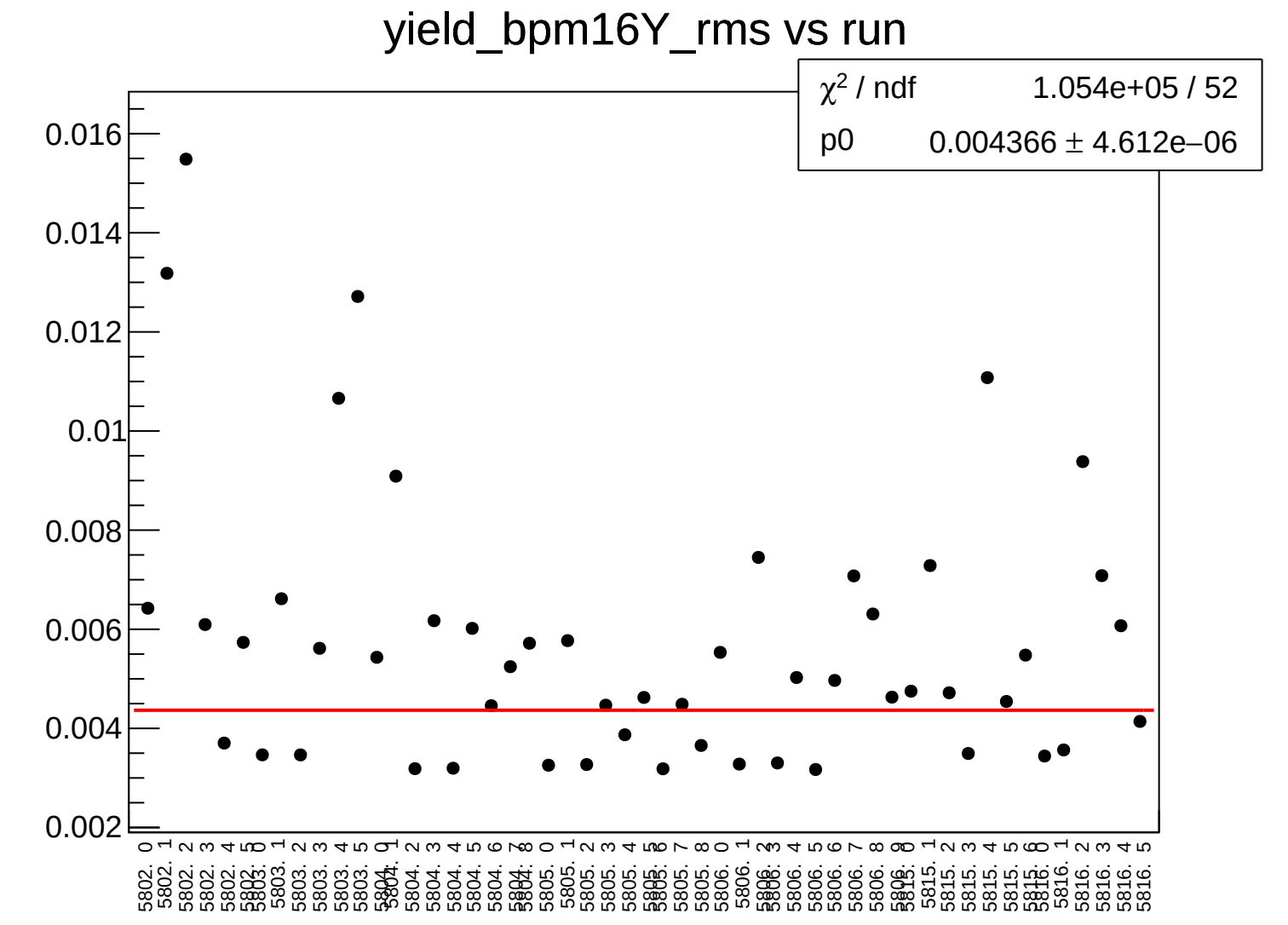

yield_bpm12Y_rms vs run
χ² / ndf 4.717e+04 / 52
p0 0.01367 ± 1.399e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

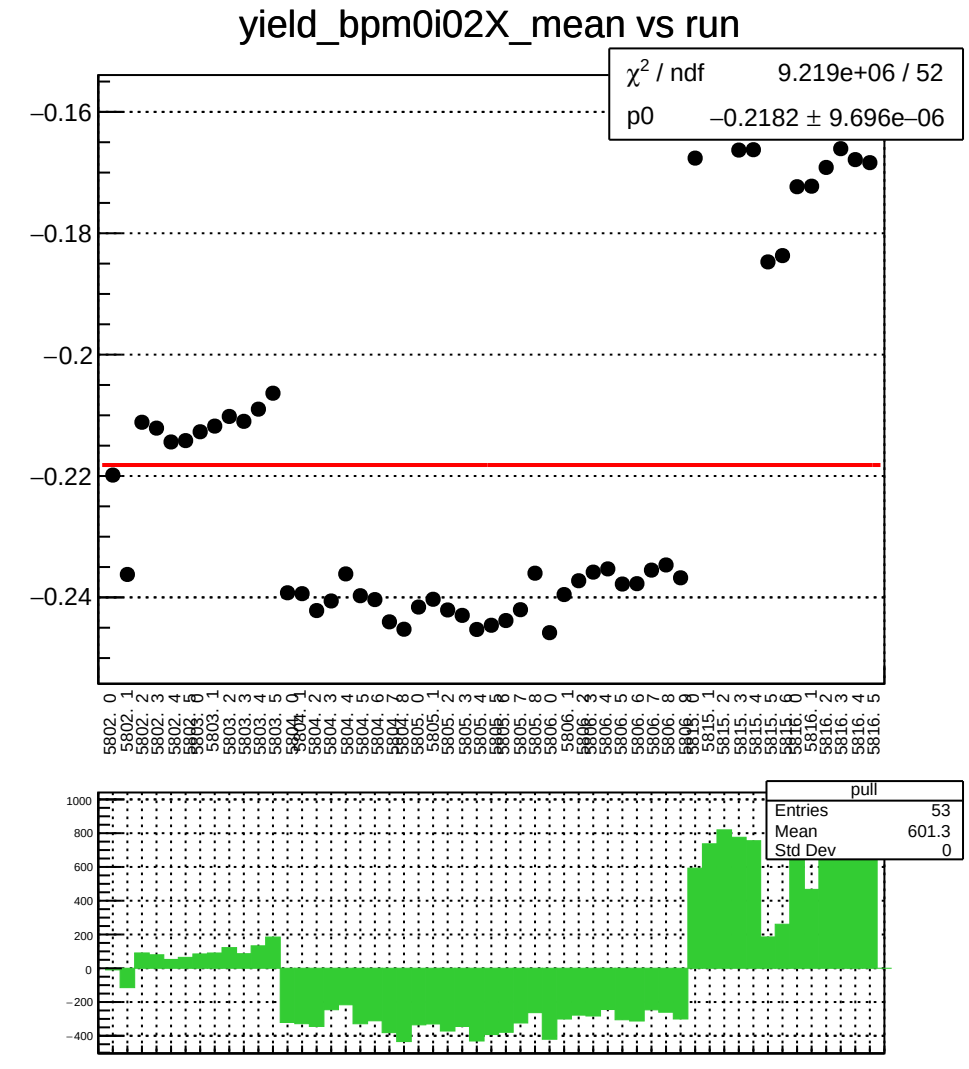

yield_bpm16X_mean vs run
χ² / ndf 2.478e+05 / 52
p0 −0.1259 ± 2.072e−05
pull
Entries 53
Mean −13
Std Dev 0
pull1D
Entries 53
Mean 1.24
Std Dev 4.661

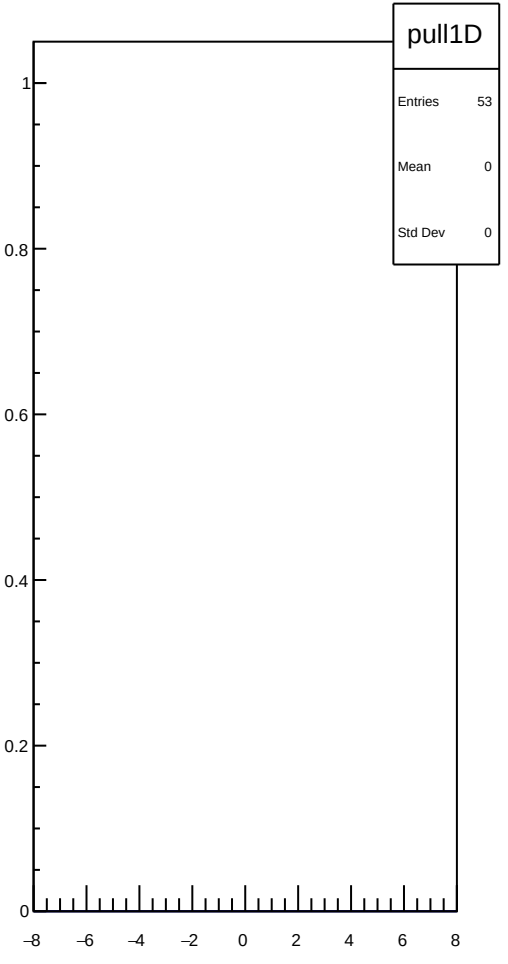

yield_bpm16X_rms vs run
χ² / ndf 1.488e+05 / 52
p0 0.01353 ± 1.465e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

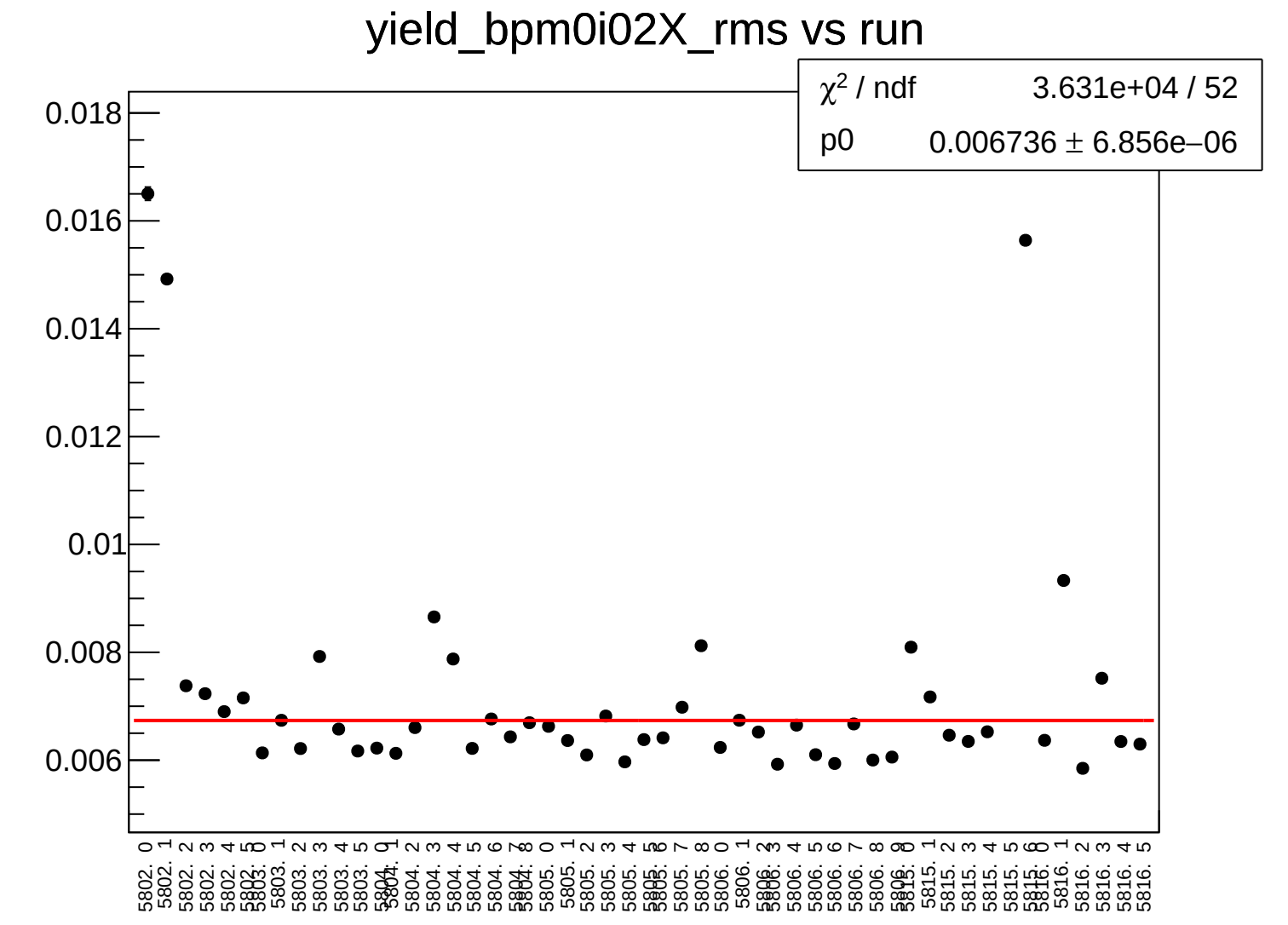

yield_bpm16Y_mean vs run
χ² / ndf 9.877e+04 / 52
p0 −0.2317 ± 6.523e−06
−0.22
−0.225
−0.23
−0.235
−0.24
−0.245
−0.25
−0.255
−0.26
pull
Entries 53
Mean 7.716
Std Dev 0
50
0
−50
−100
−150
−200

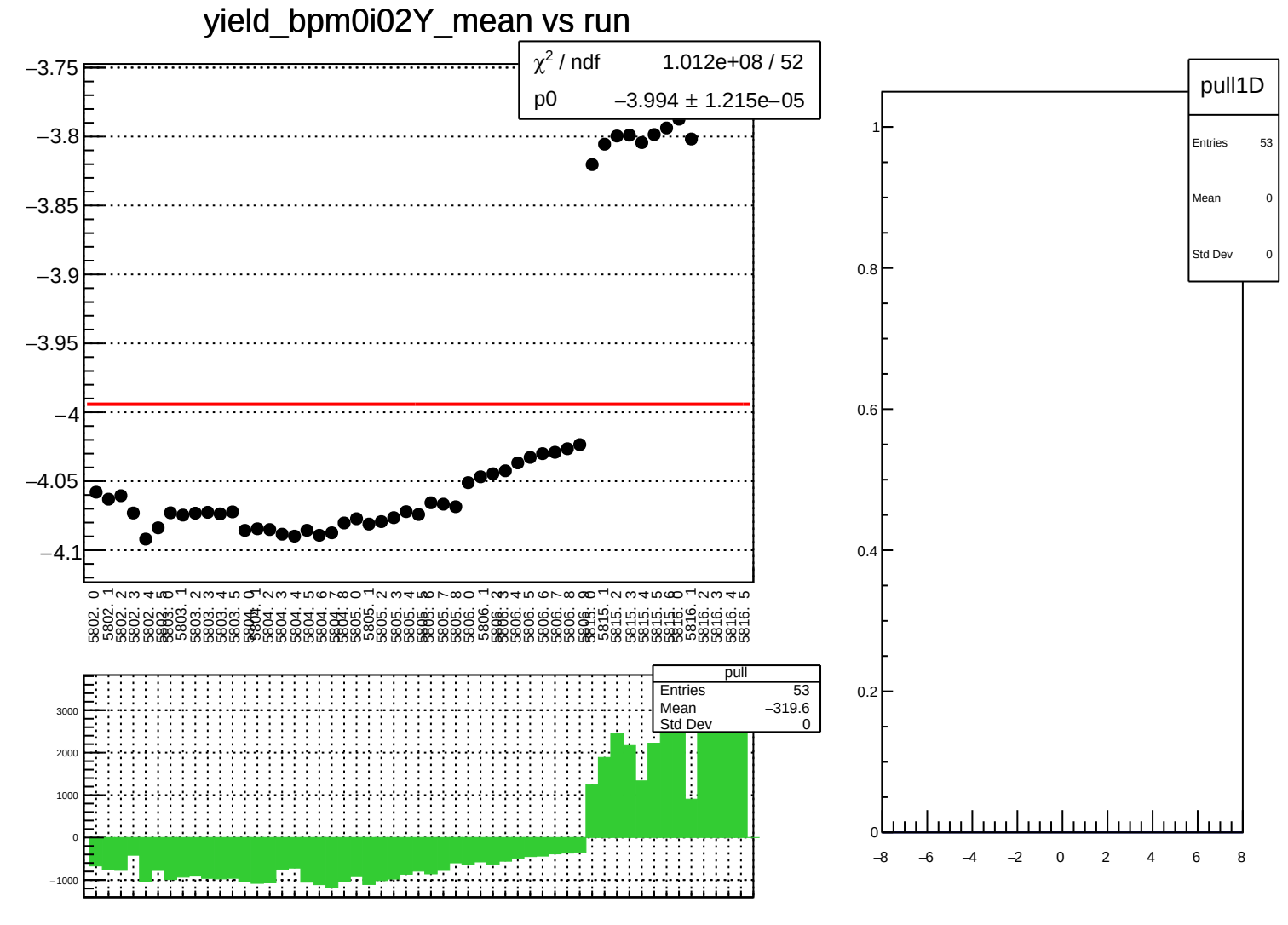

pull1D
Entries 53
Mean 2.056
Std Dev 3.657
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

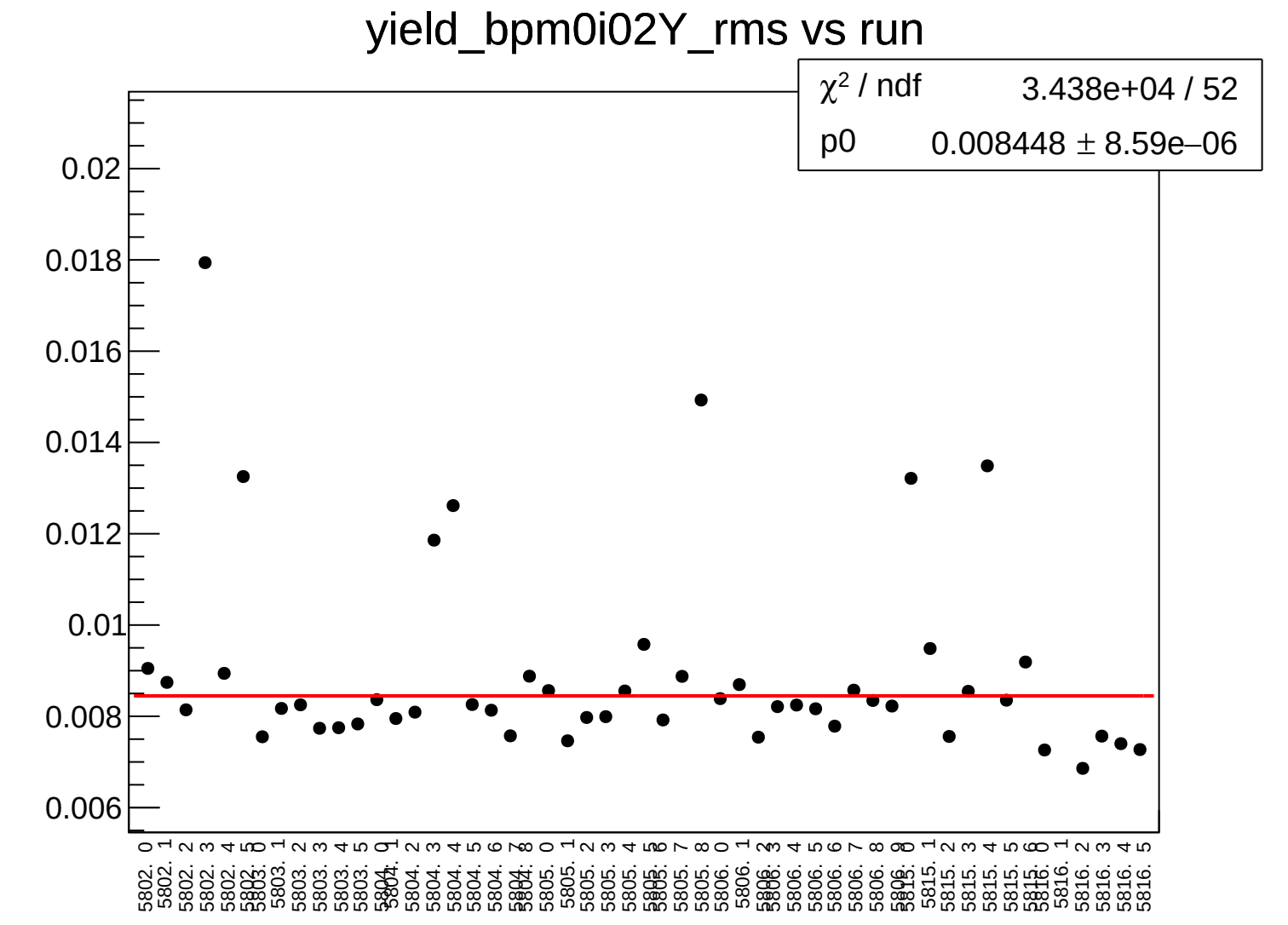

yield_bpm16Y_rms vs run
χ² / ndf 1.054e+05 / 52
p0 0.004366 ± 4.612e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

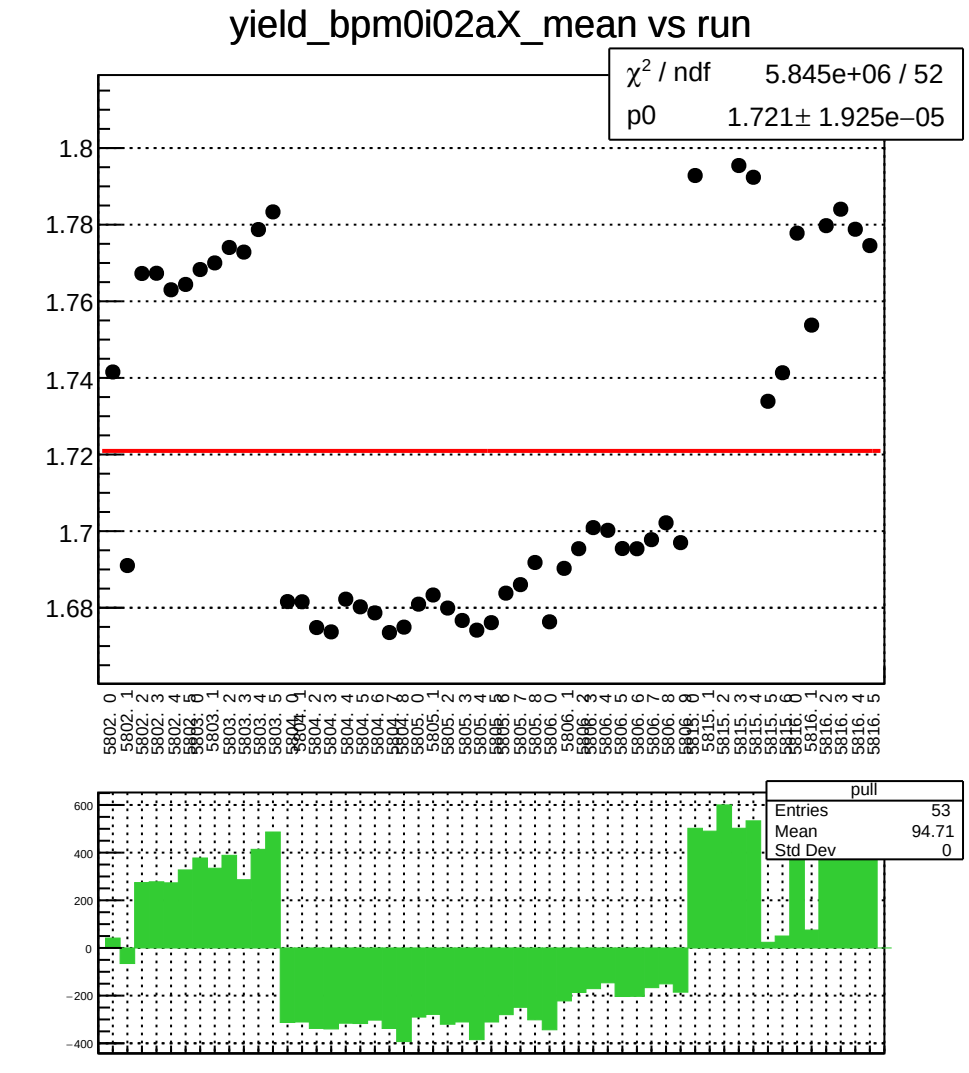

yield_bpm0i02X_mean vs run
χ² / ndf 9.219e+06 / 52
p0 −0.2182 ± 9.696e−06
−0.16
−0.18
−0.2
−0.22
−0.24
pull
Entries 53
Mean 601.3
Std Dev 0
1000
800
600
400
200
0
−200
−400

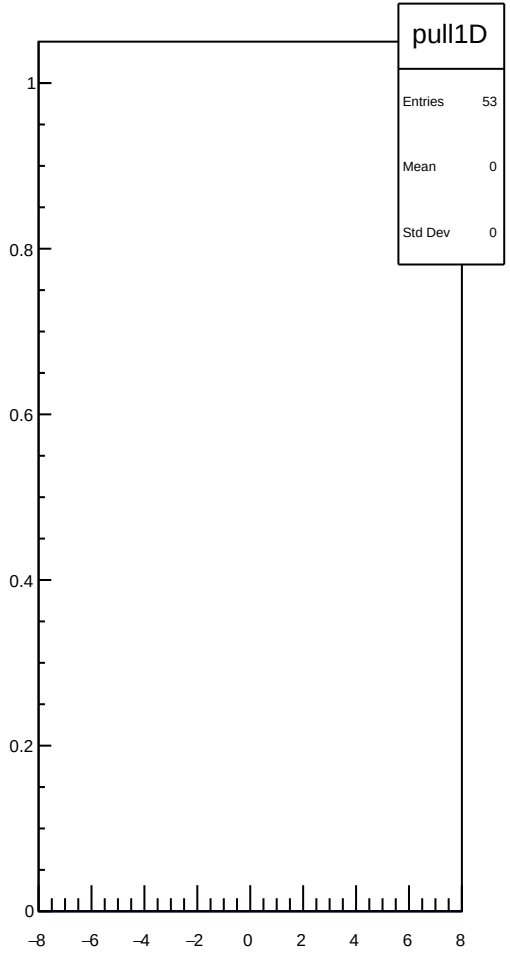

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

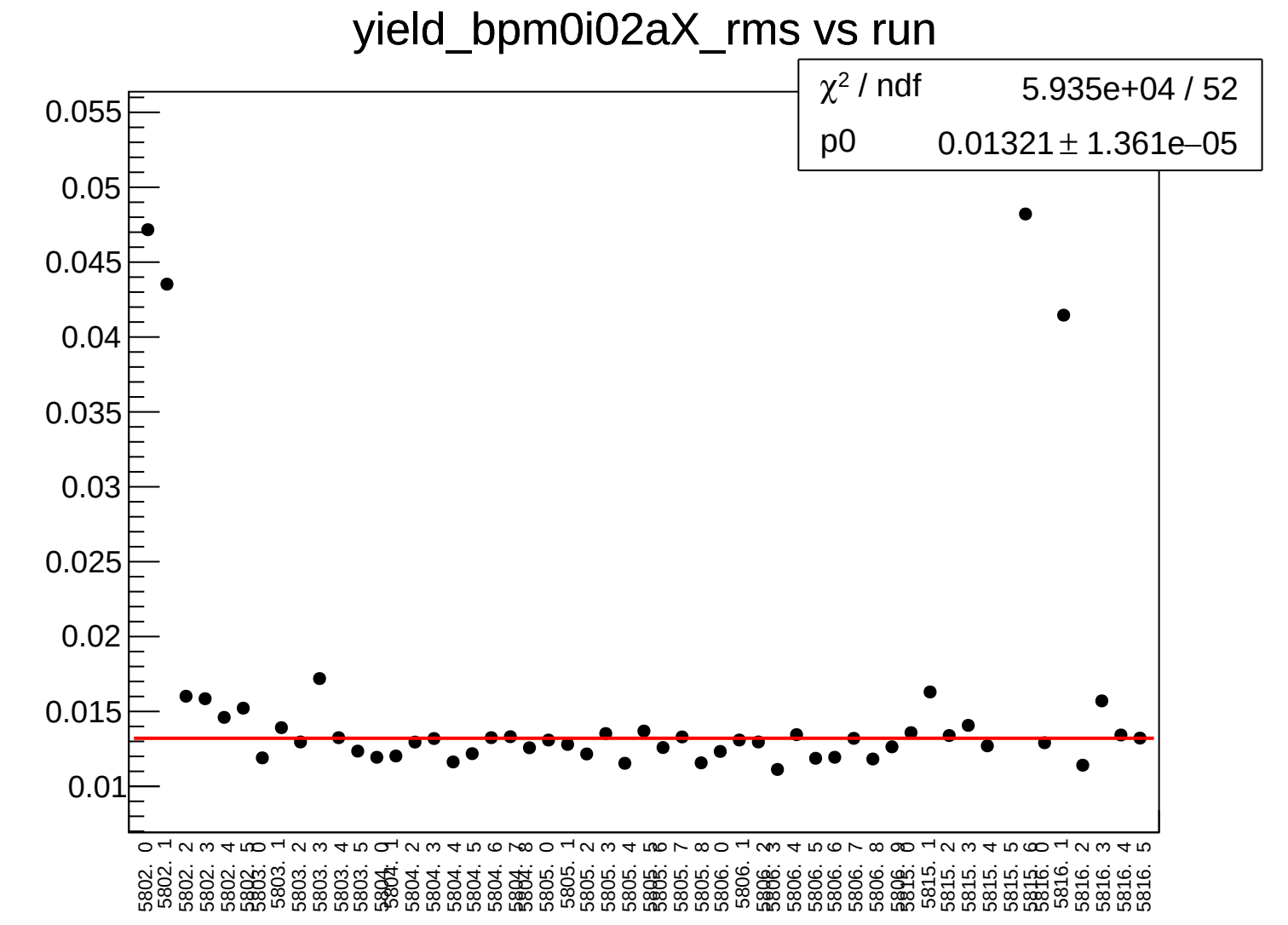

yield_bpm0i02X_rms vs run
χ² / ndf 3.631e+04 / 52
p0 0.006736 ± 6.856e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

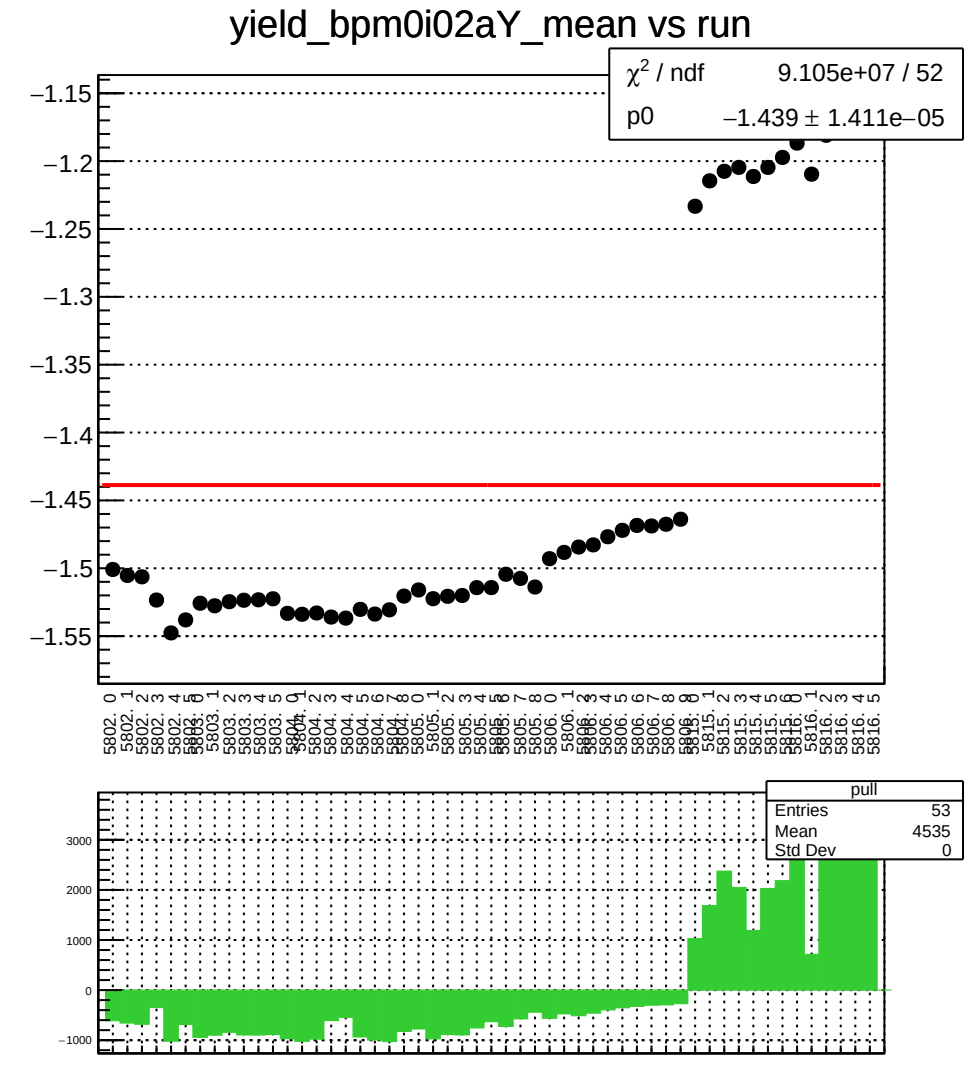

yield_bpm0i02Y_mean vs run
χ² / ndf 1.012e+08 / 52
p0 −3.994 ± 1.215e−05
−3.75
−3.8
−3.85
−3.9
−3.95
−4
−4.05
−4.1
pull
Entries 53
Mean −319.6
Std Dev 0
3000
2000
1000
0
−1000
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

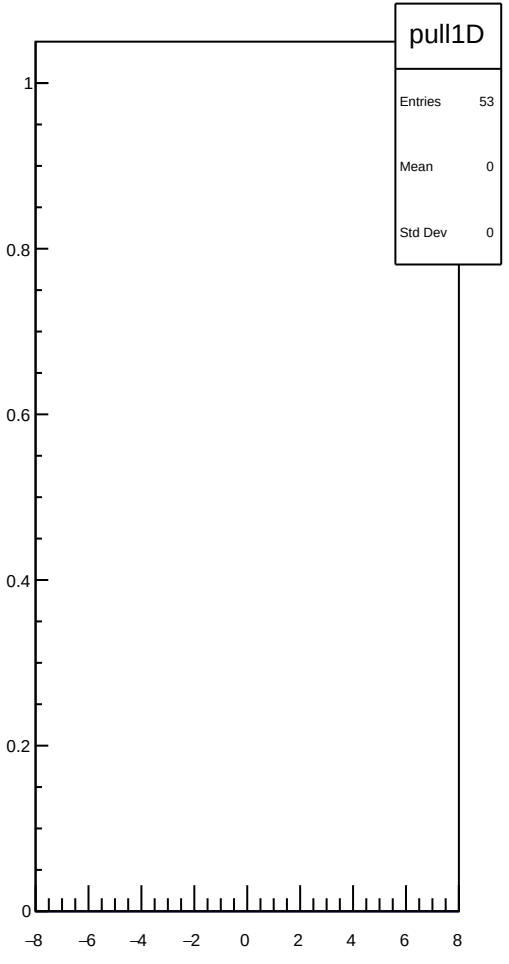

yield_bpm0i02Y_rms vs run
χ² / ndf 3.438e+04 / 52
p0 0.008448 ± 8.59e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

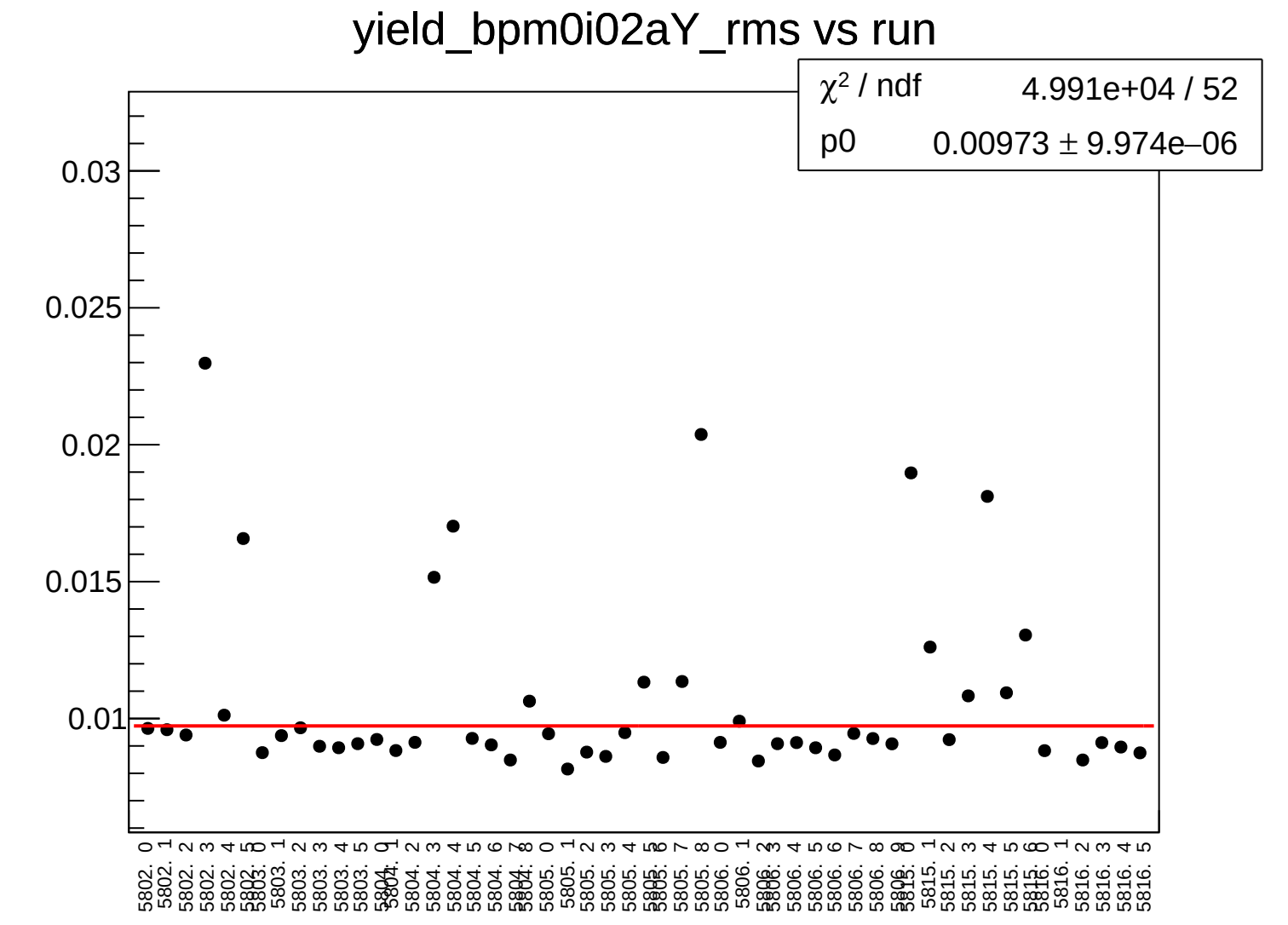

yield_bpm0i02aX_mean vs run
χ² / ndf 5.845e+06 / 52
p0 1.721± 1.925e−05
1.8
1.78
1.76
1.74
1.72
1.7
1.68
pull
Entries 53
Mean 94.71
Std Dev 0
600
400
200
0
−200
−400

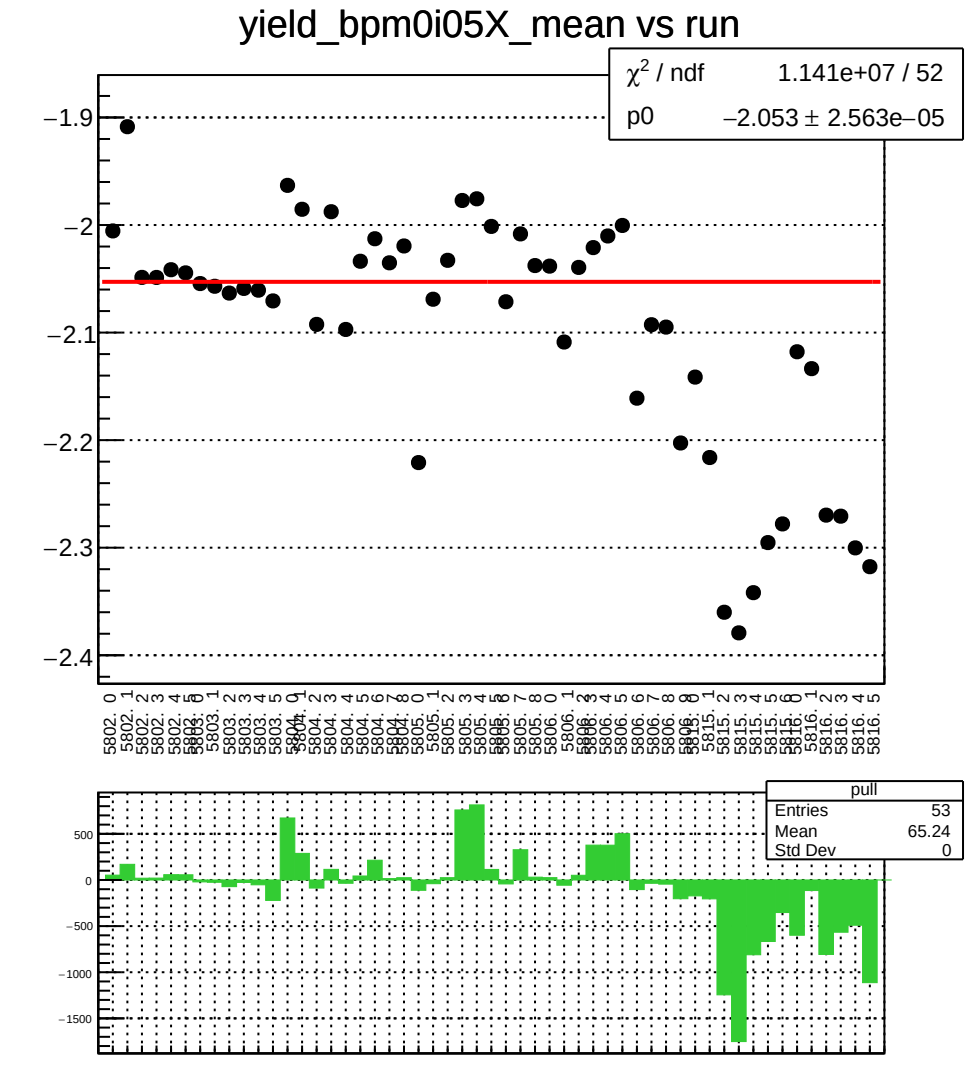

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

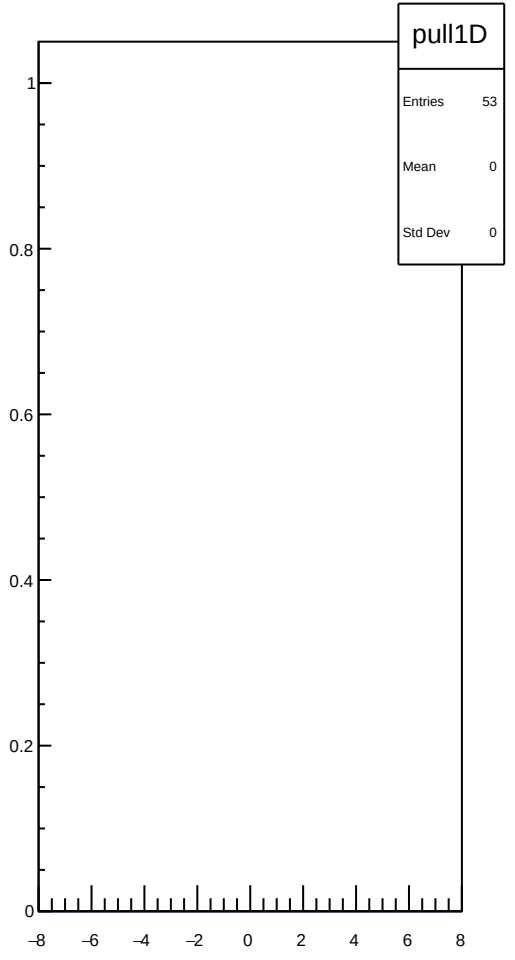

yield_bpm0i02aX_rms vs run
χ² / ndf 5.935e+04 / 52
p0 0.01321 ± 1.361e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

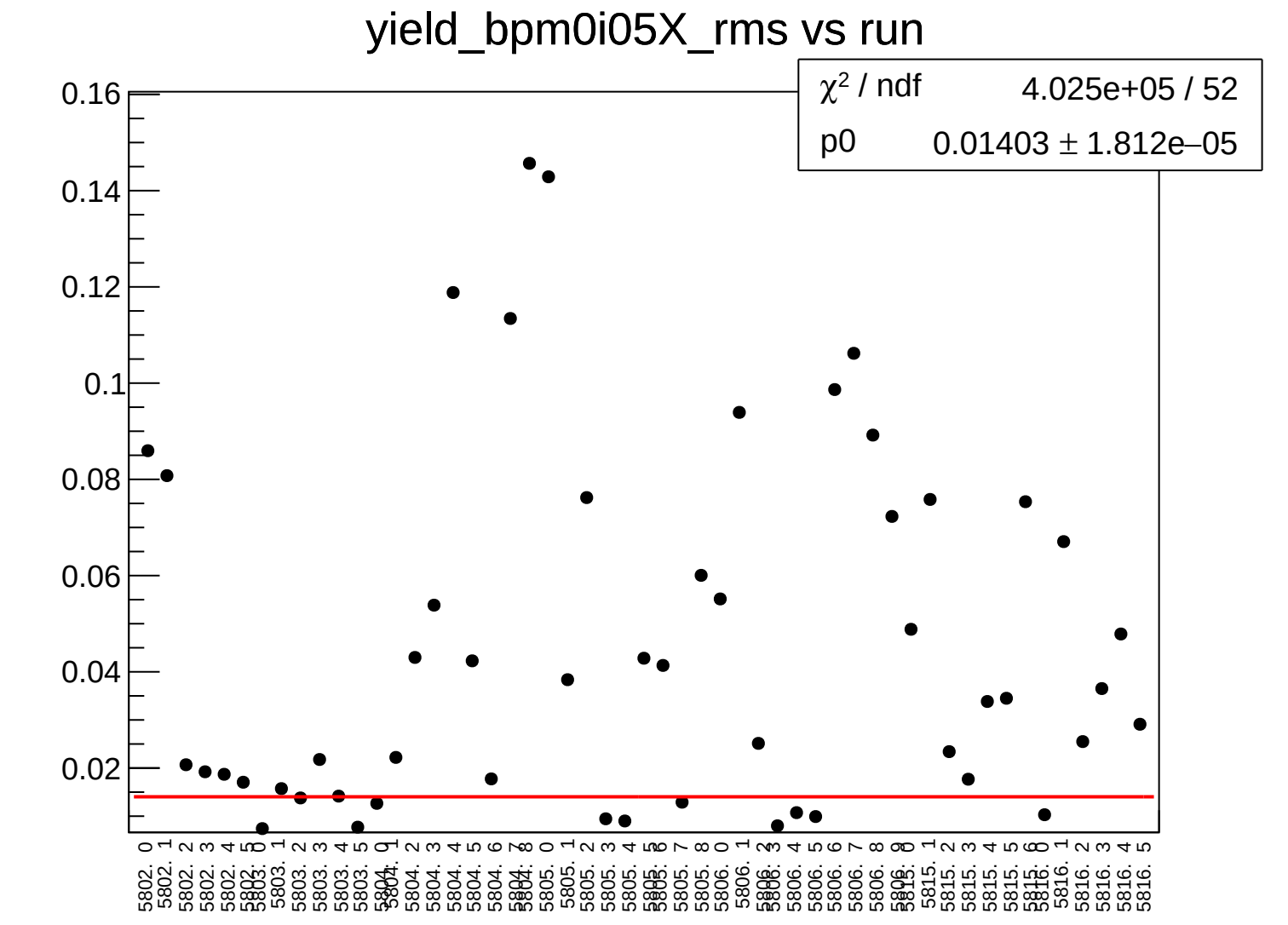

yield_bpm0i02aY_mean vs run
χ² / ndf 9.105e+07 / 52
p0 −1.439 ± 1.411e−05
−1.15
−1.2
−1.25
−1.3
−1.35
−1.4
−1.45
−1.5
−1.55
pull
Entries 53
Mean 4535
Std Dev 0
3000
2000
1000
0
−1000

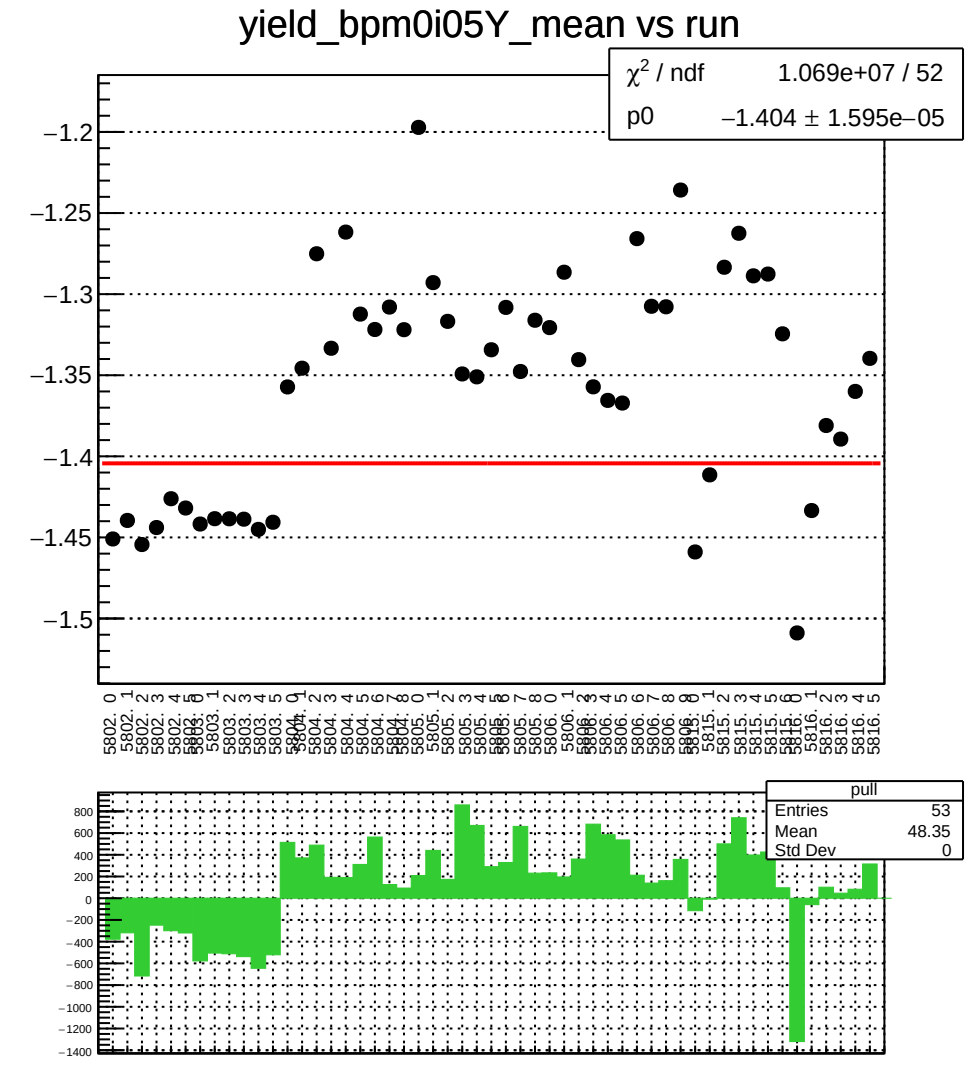

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

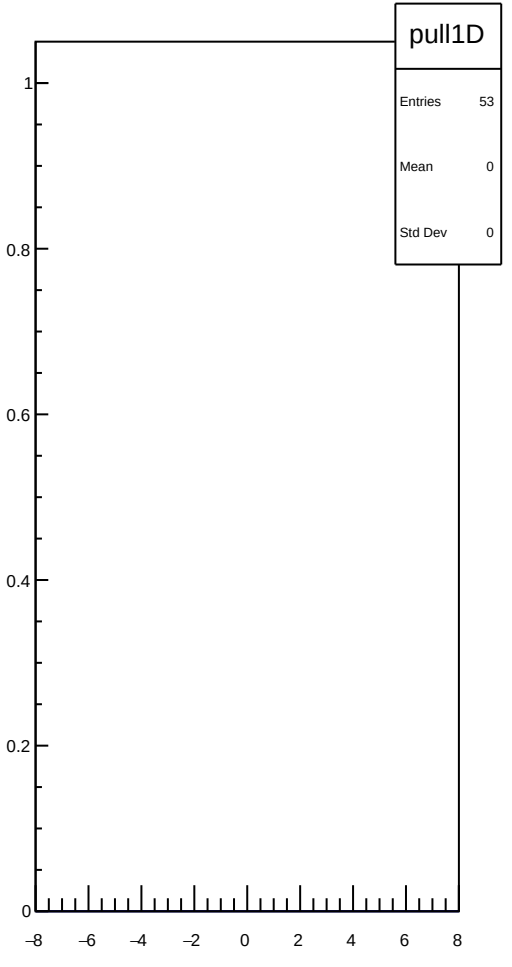

yield_bpm0i02aY_rms vs run
χ² / ndf 4.991e+04 / 52
p0 0.00973 ± 9.974e−06
0.03
0.025
0.02
0.015
0.01

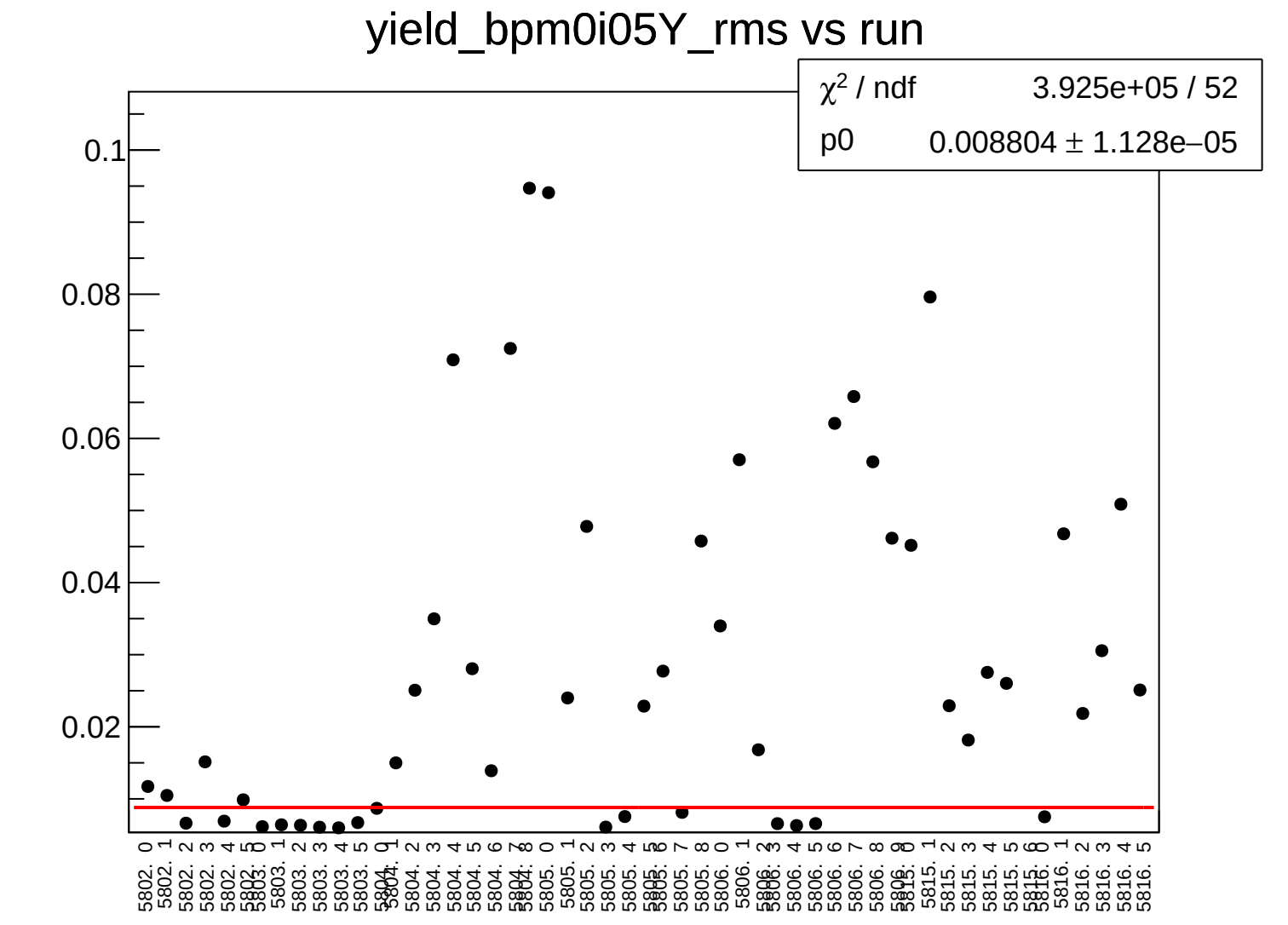

yield_bpm0i05X_mean vs run
χ² / ndf 1.141e+07 / 52
p0 −2.053 ± 2.563e−05
−1.9
−2
−2.1
−2.2
−2.3
−2.4
pull
Entries 53
Mean 65.24
Std Dev 0
500
0
−500
−1000
−1500

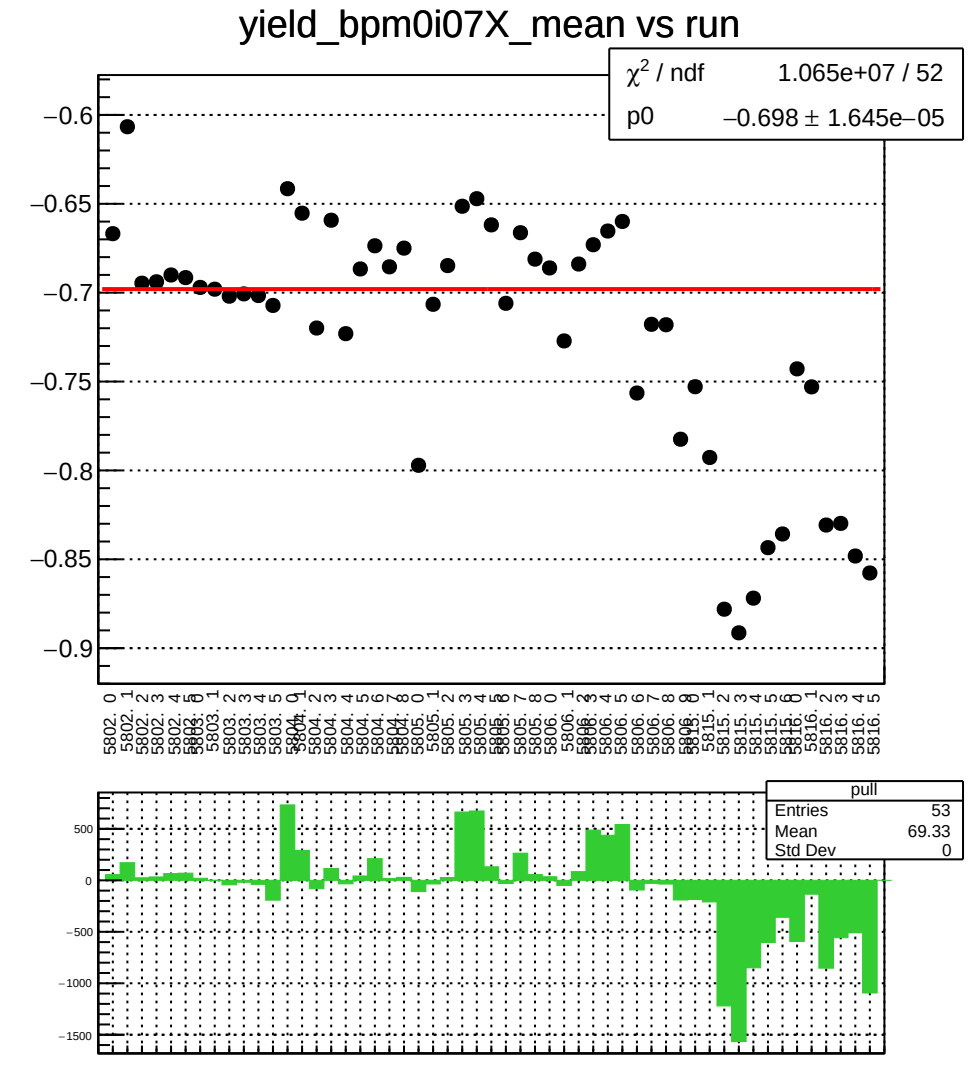

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

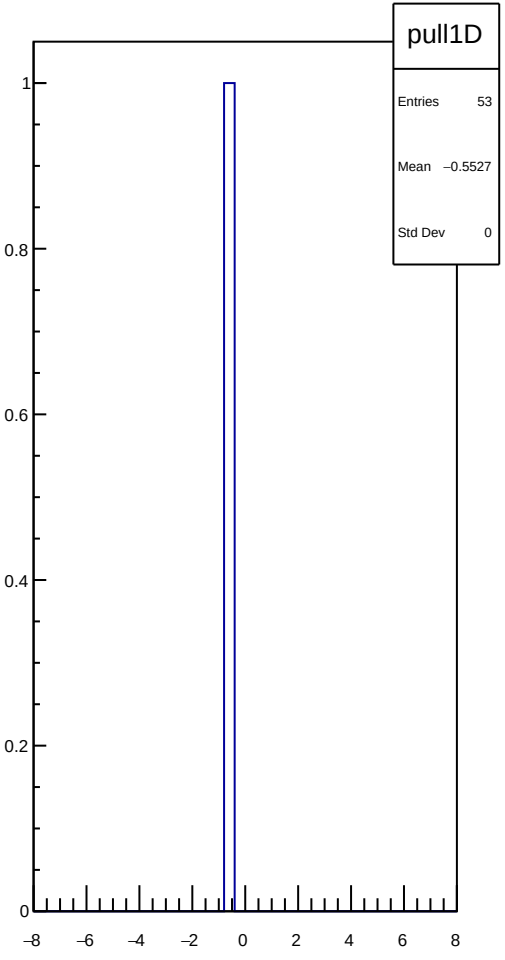

yield_bpm0i05X_rms vs run
χ² / ndf 4.025e+05 / 52
p0 0.01403 ± 1.812e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

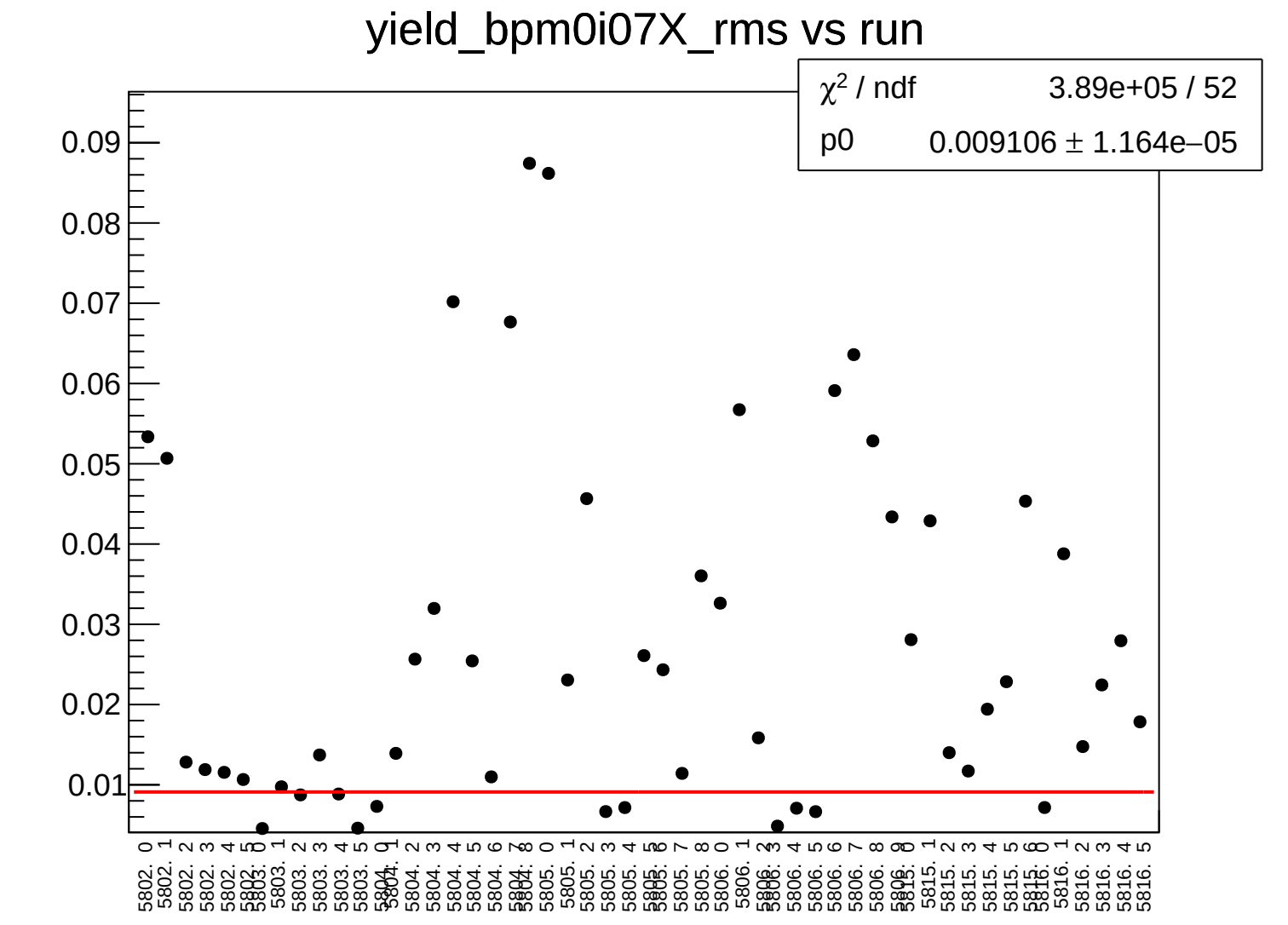

yield_bpm0i05Y_mean vs run
χ² / ndf 1.069e+07 / 52
p0 −1.404 ± 1.595e−05
−1.2
−1.25
−1.3
−1.35
−1.4
−1.45
−1.5
pull
Entries 53
Mean 48.35
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

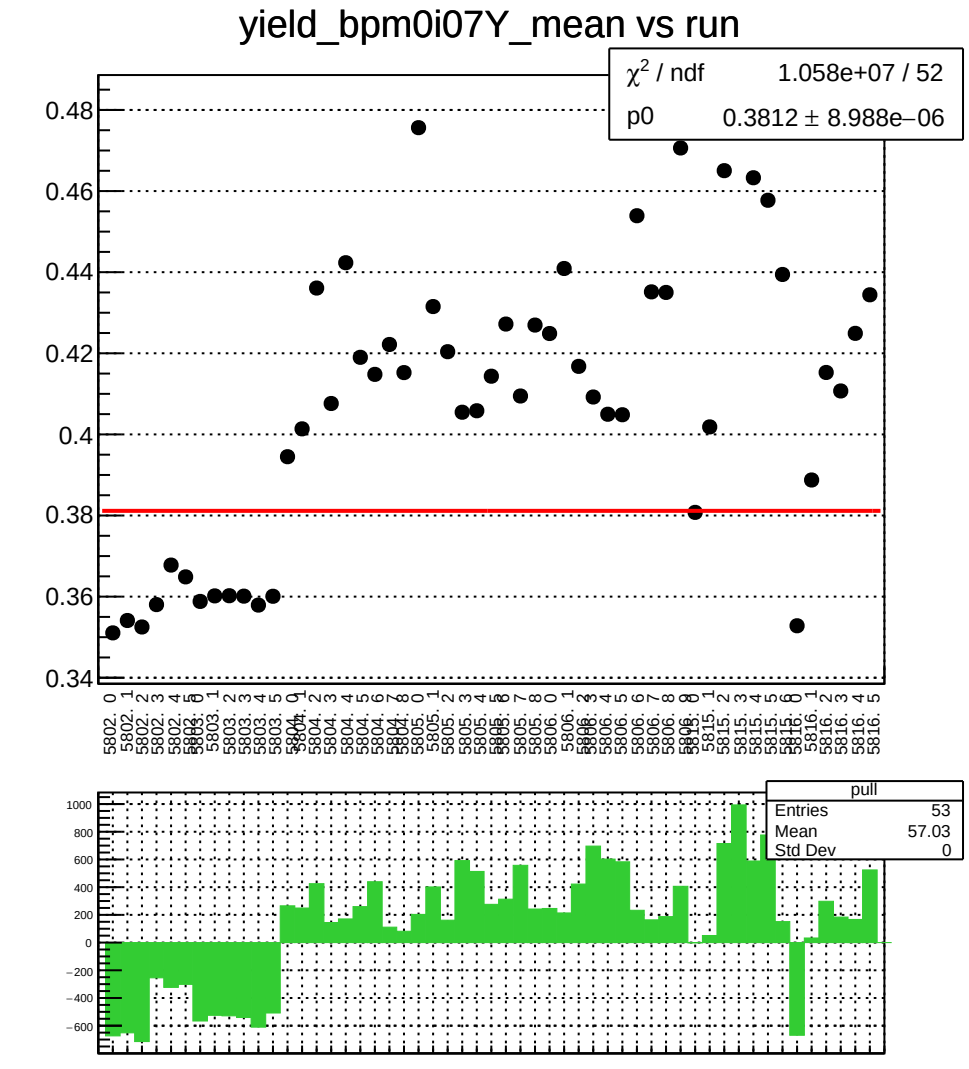

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

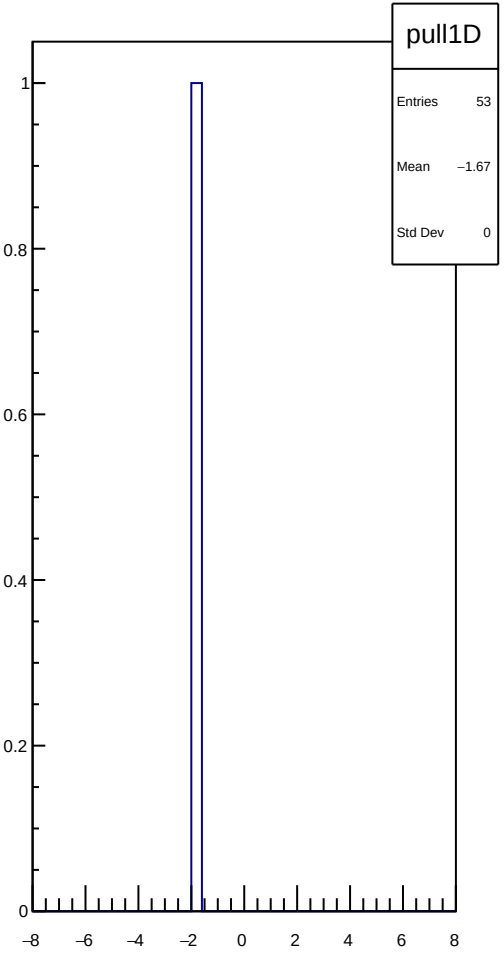

yield_bpm0i05Y_rms vs run
χ² / ndf 3.925e+05 / 52
p0 0.008804 ± 1.128e−05
0.1
0.08
0.06
0.04
0.02

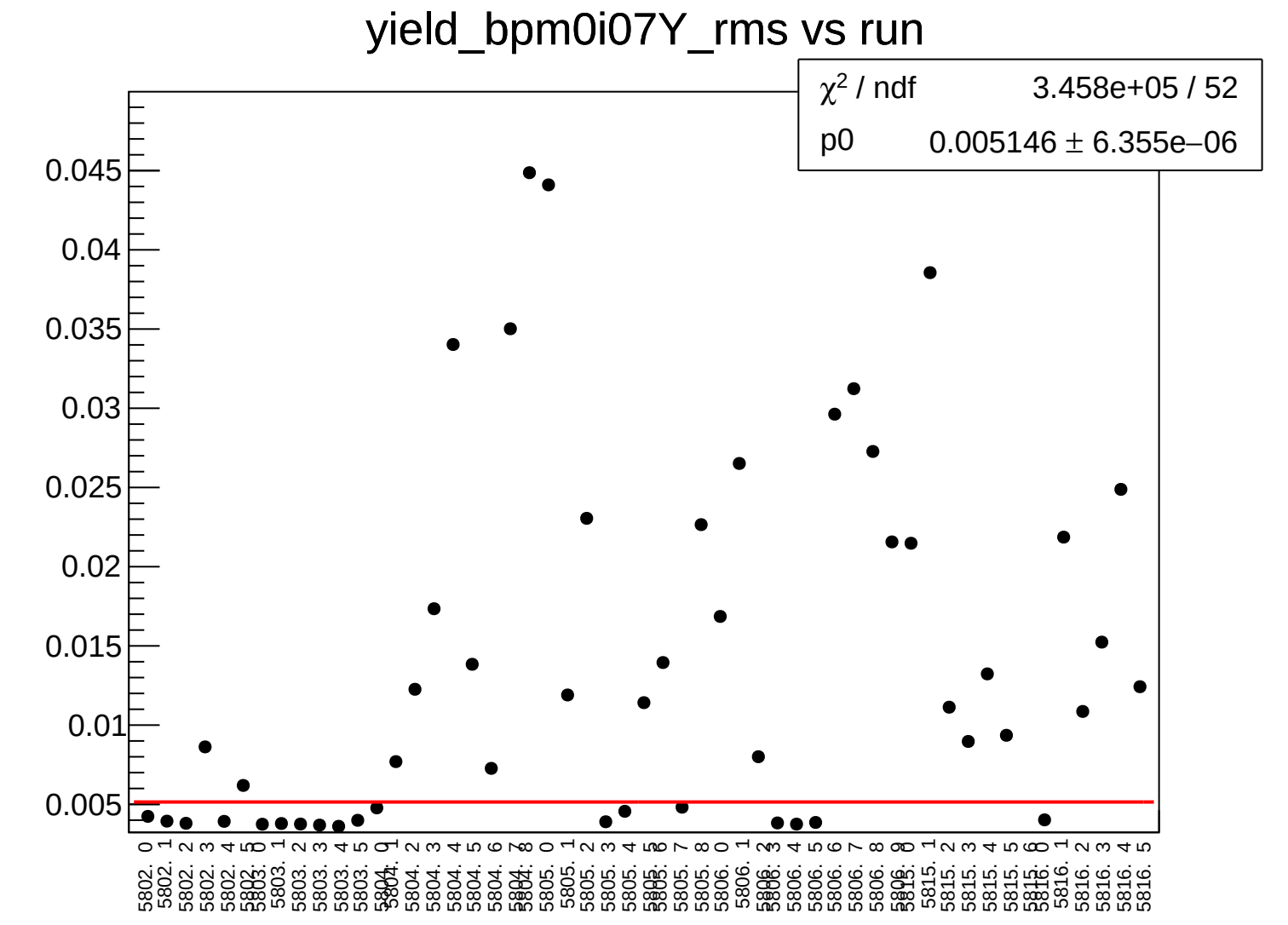

yield_bpm0i07X_mean vs run
χ² / ndf 1.065e+07 / 52
p0 −0.698 ± 1.645e−05
pull
Entries 53
Mean 69.33
Std Dev 0

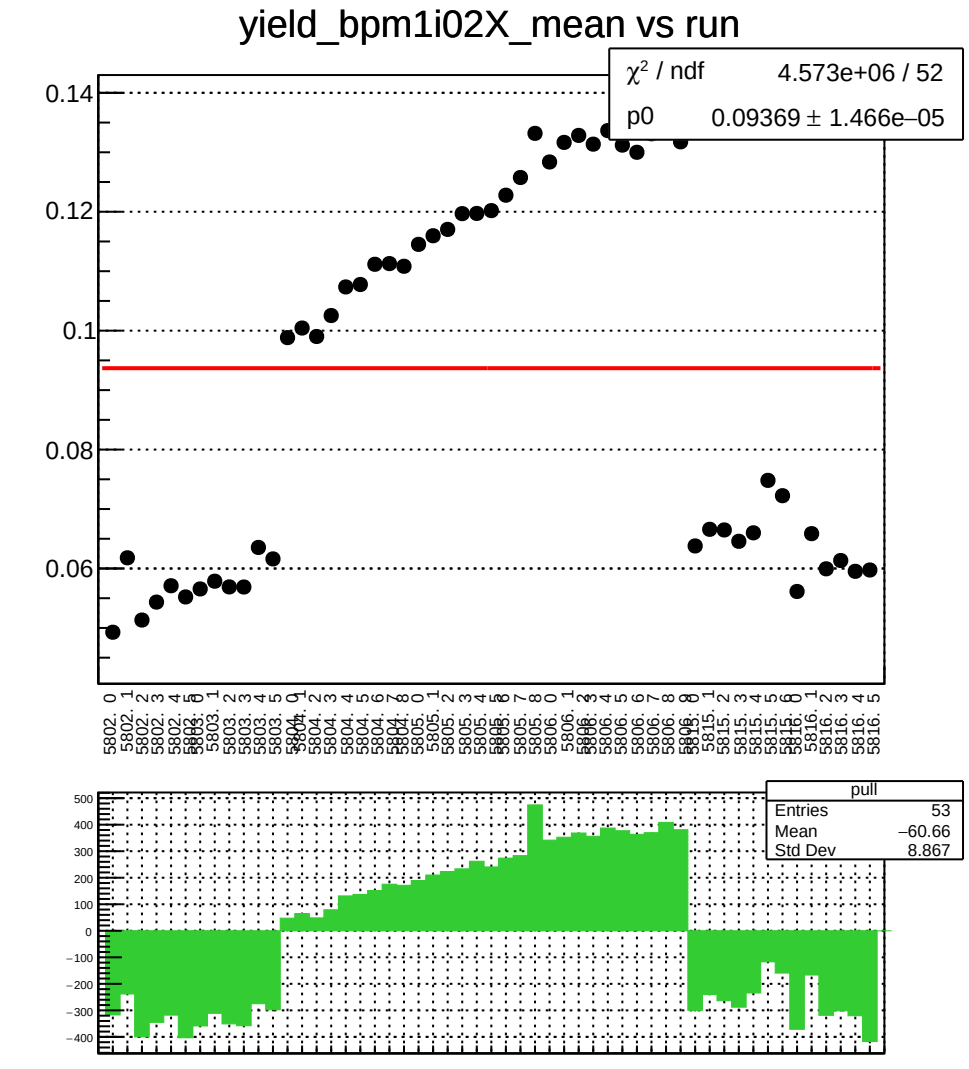

pull1D
Entries 53
Mean −0.5527
Std Dev 0

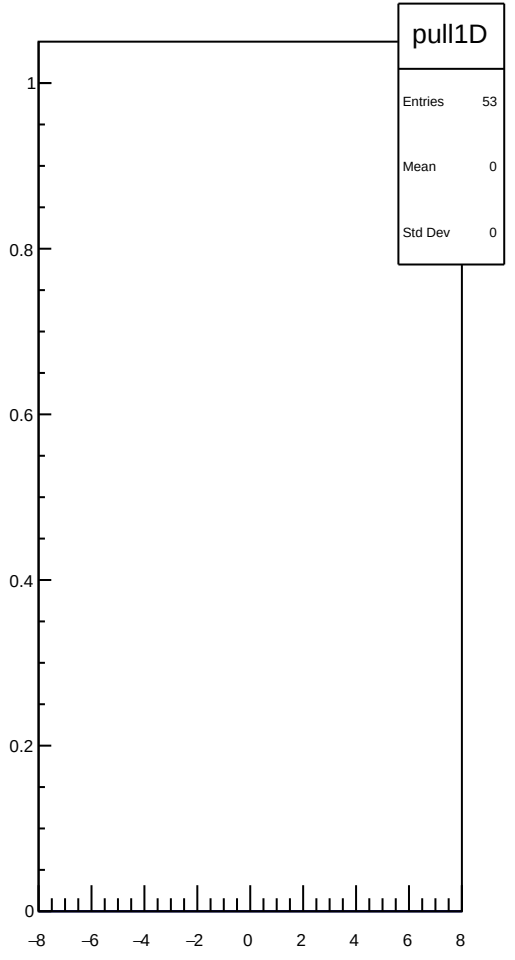

yield_bpm0i07X_rms vs run
χ² / ndf 3.89e+05 / 52
p0 0.009106 ± 1.164e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

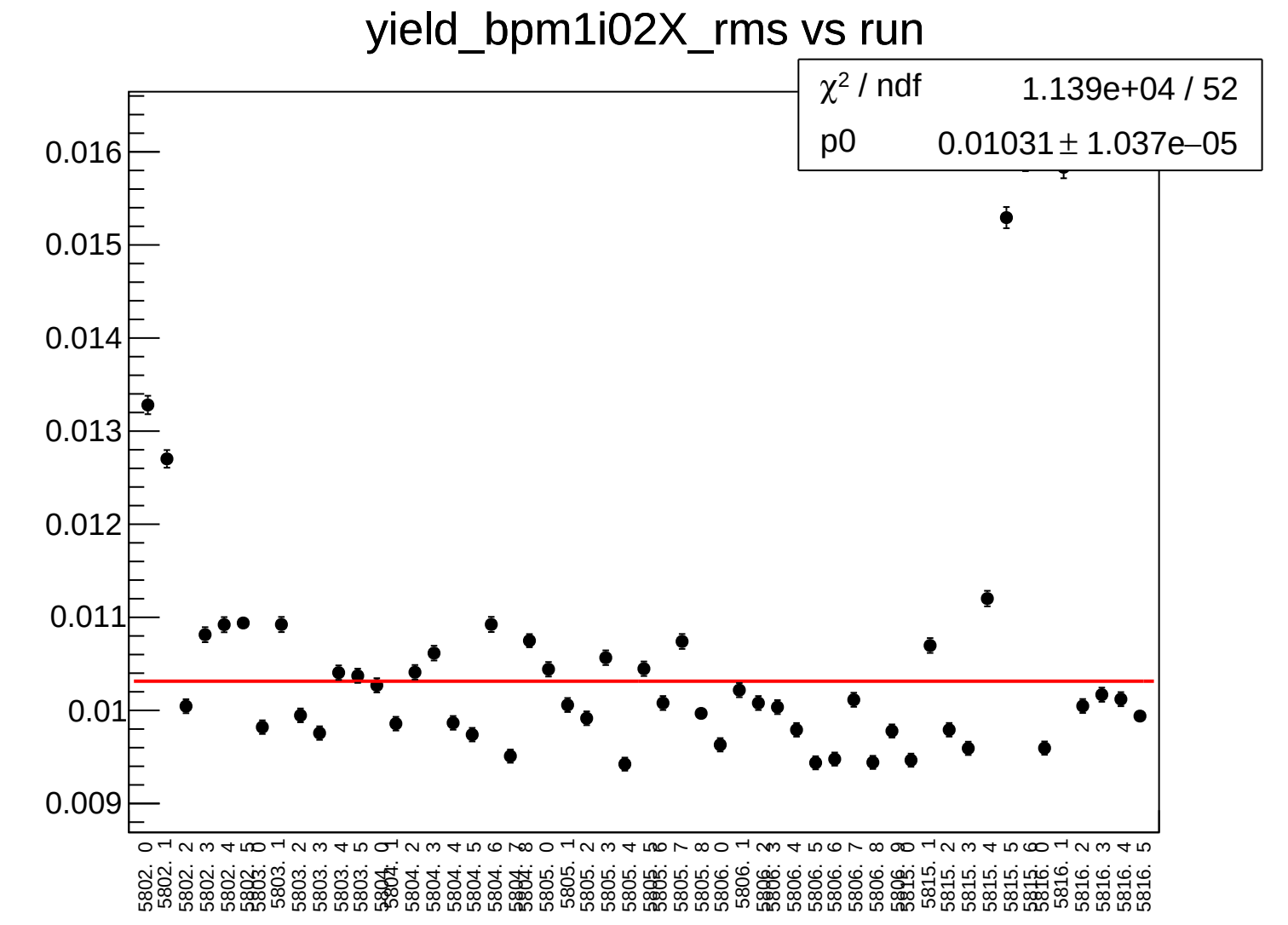

yield_bpm0i07Y_mean vs run
χ² / ndf 1.058e+07 / 52
p0 0.3812 ± 8.988e−06
pull
Entries 53
Mean 57.03
Std Dev 0

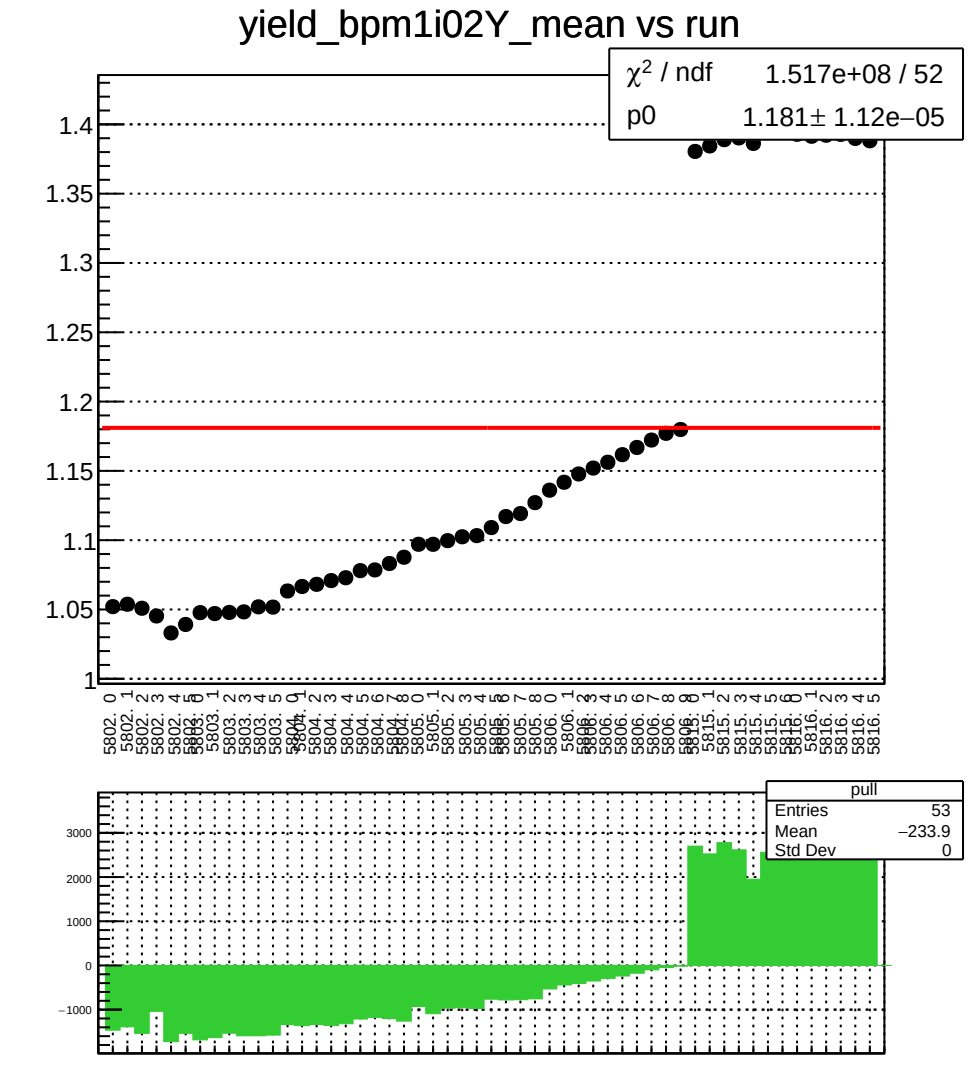

pull1D
Entries 53
Mean −1.67
Std Dev 0

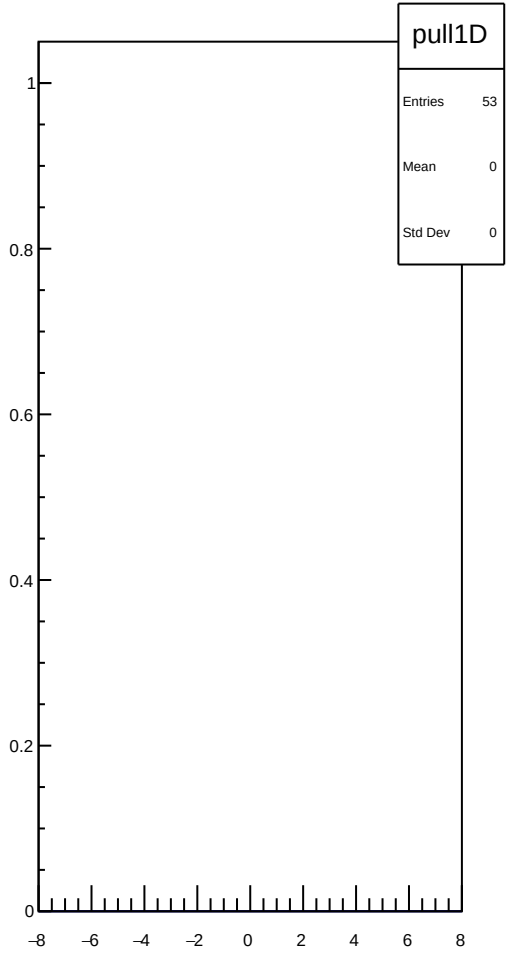

yield_bpm0i07Y_rms vs run
χ² / ndf 3.458e+05 / 52
p0 0.005146 ± 6.355e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

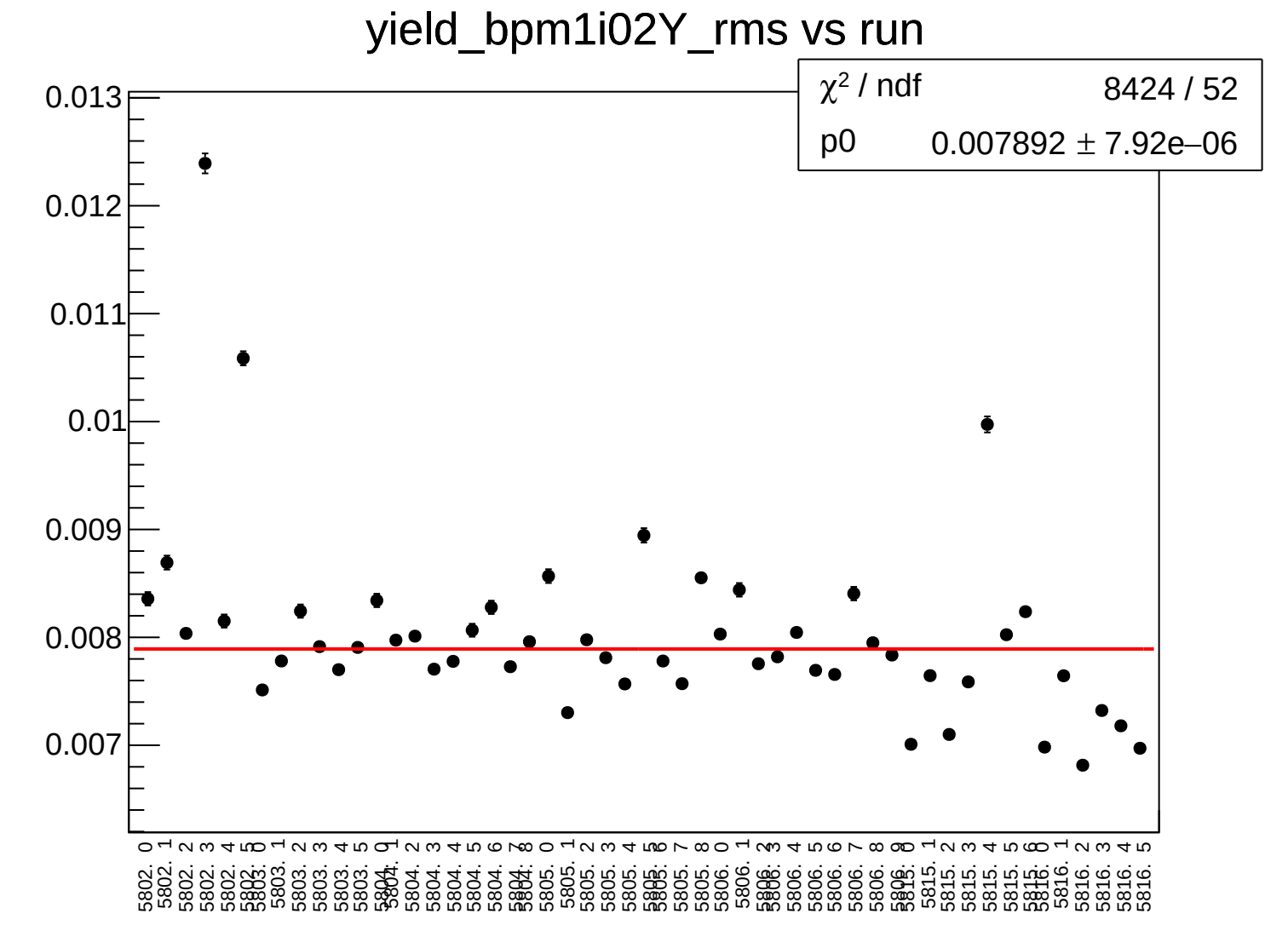

yield_bpm1i02X_mean vs run
χ² / ndf 4.573e+06 / 52
p0 0.09369 ± 1.466e−05
0.14
0.12
0.1
0.08
0.06
pull
Entries 53
Mean −60.66
Std Dev 8.867
500
400
300
200
100
0
−100
−200
−300
−400

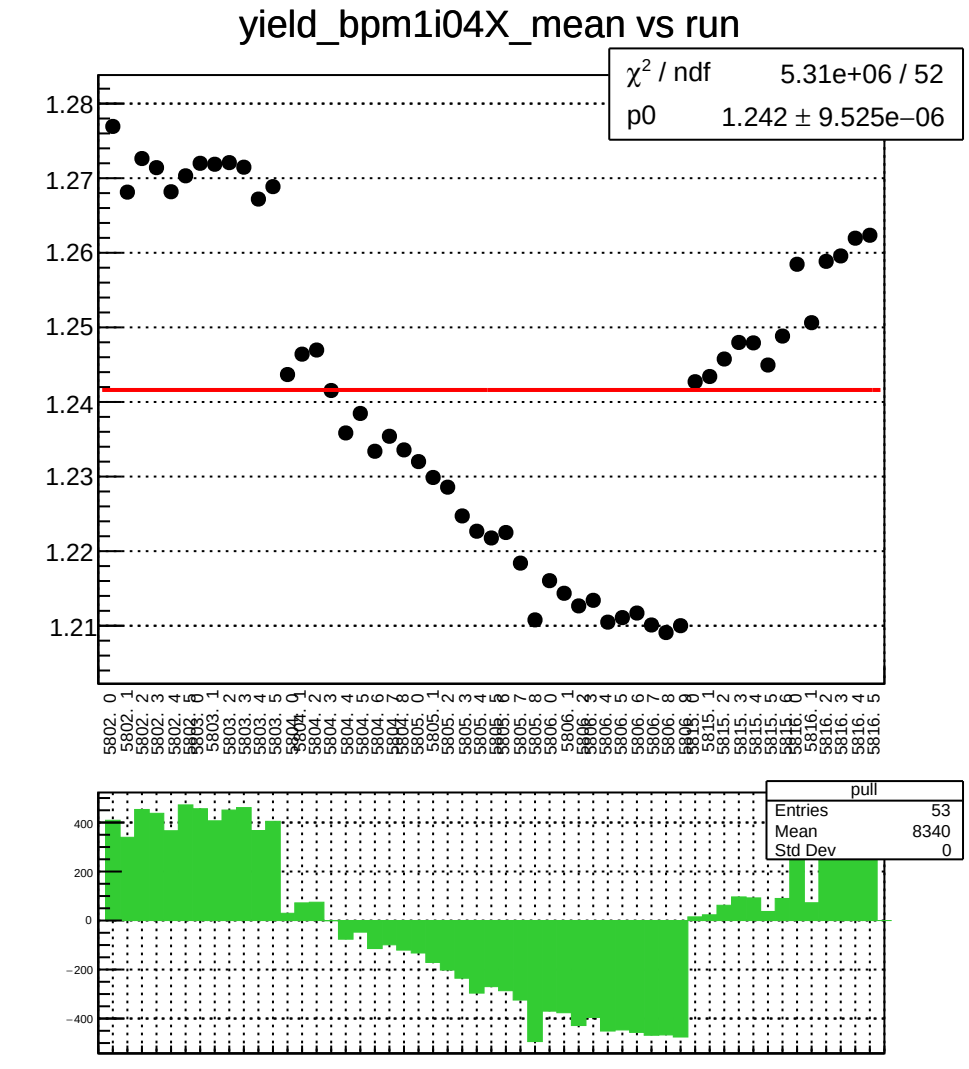

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

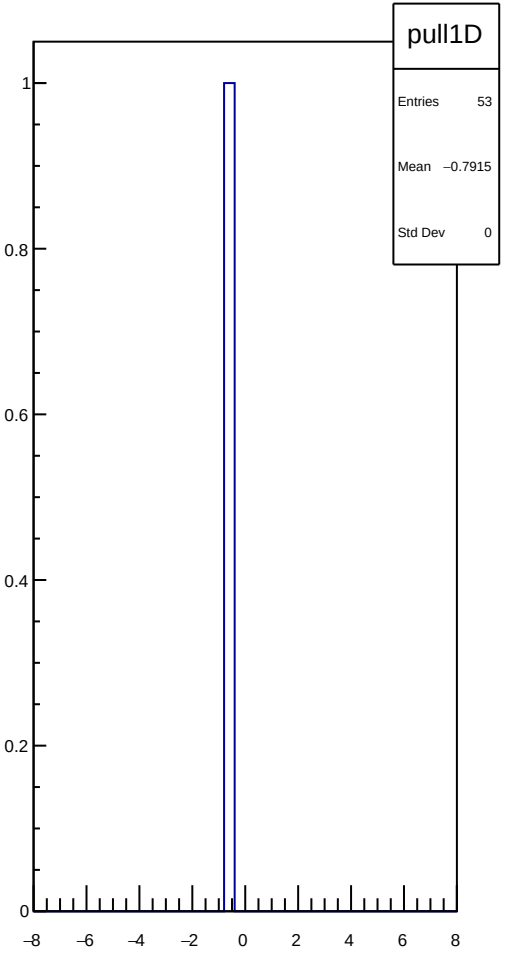

yield_bpm1i02X_rms vs run
χ² / ndf 1.139e+04 / 52
p0 0.01031 ± 1.037e–05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009

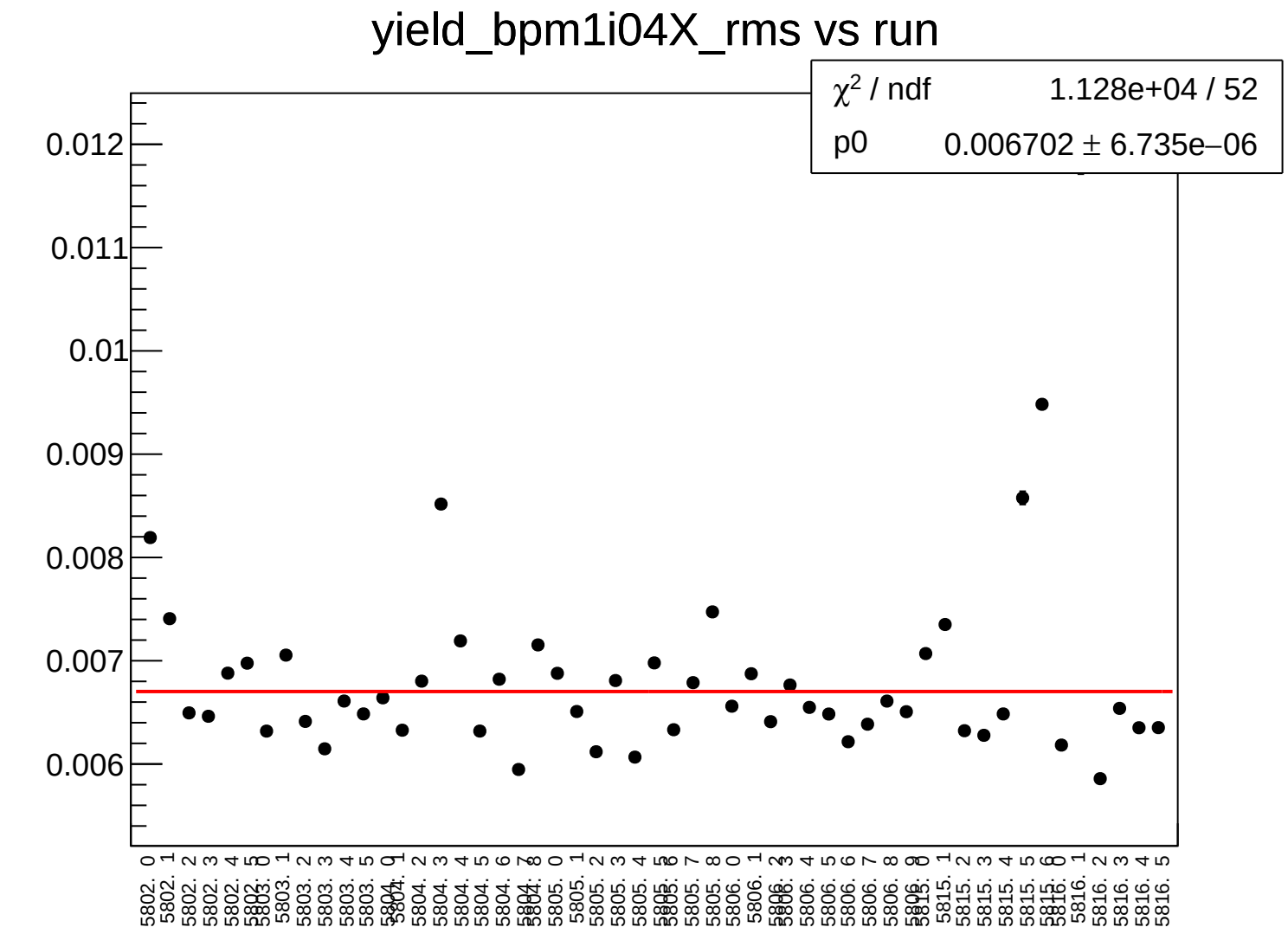

yield_bpm1i02Y_mean vs run
χ² / ndf 1.517e+08 / 52
p0 1.181± 1.12e−05
pull
Entries 53
Mean −233.9
Std Dev 0

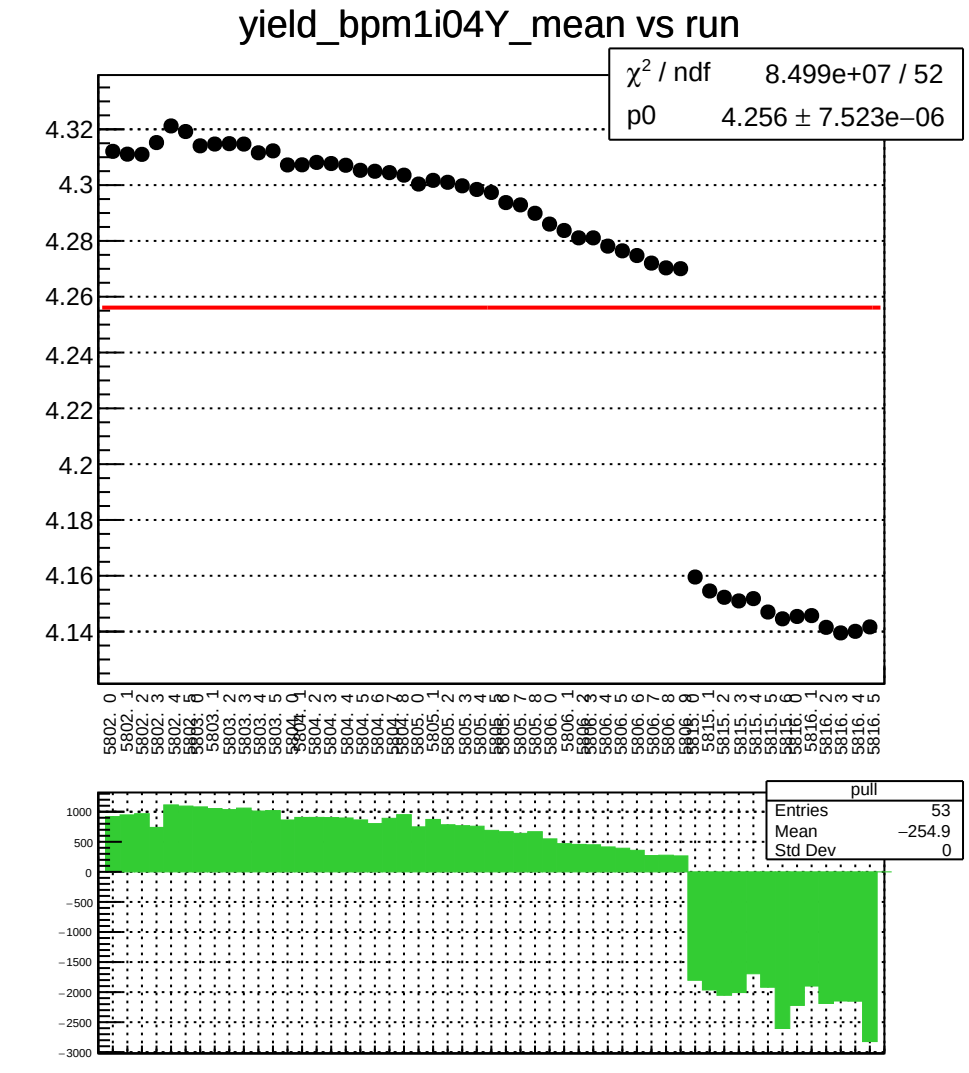

pull1D
Entries 53
Mean 0
Std Dev 0

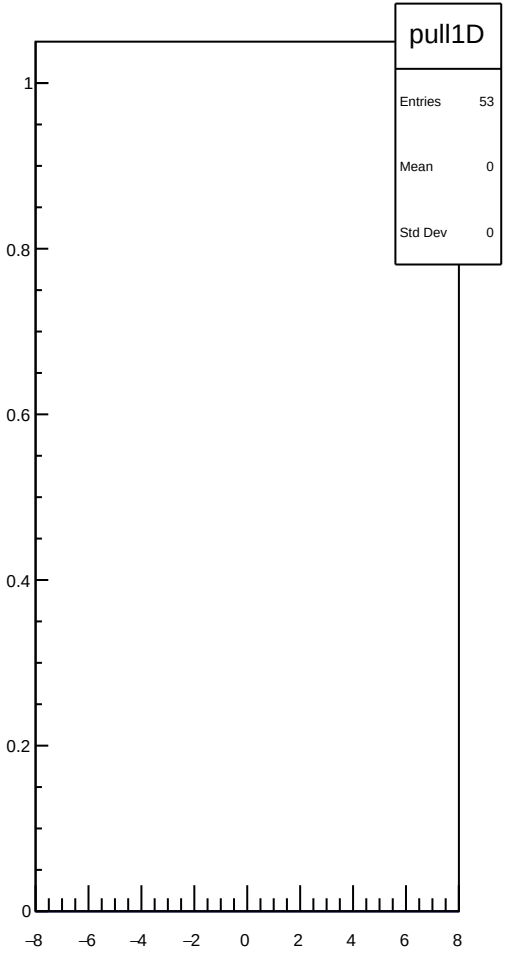

yield_bpm1i02Y_rms vs run
χ² / ndf 8424 / 52
p0 0.007892 ± 7.92e–06
0.013
0.012
0.011
0.01
0.009
0.008
0.007

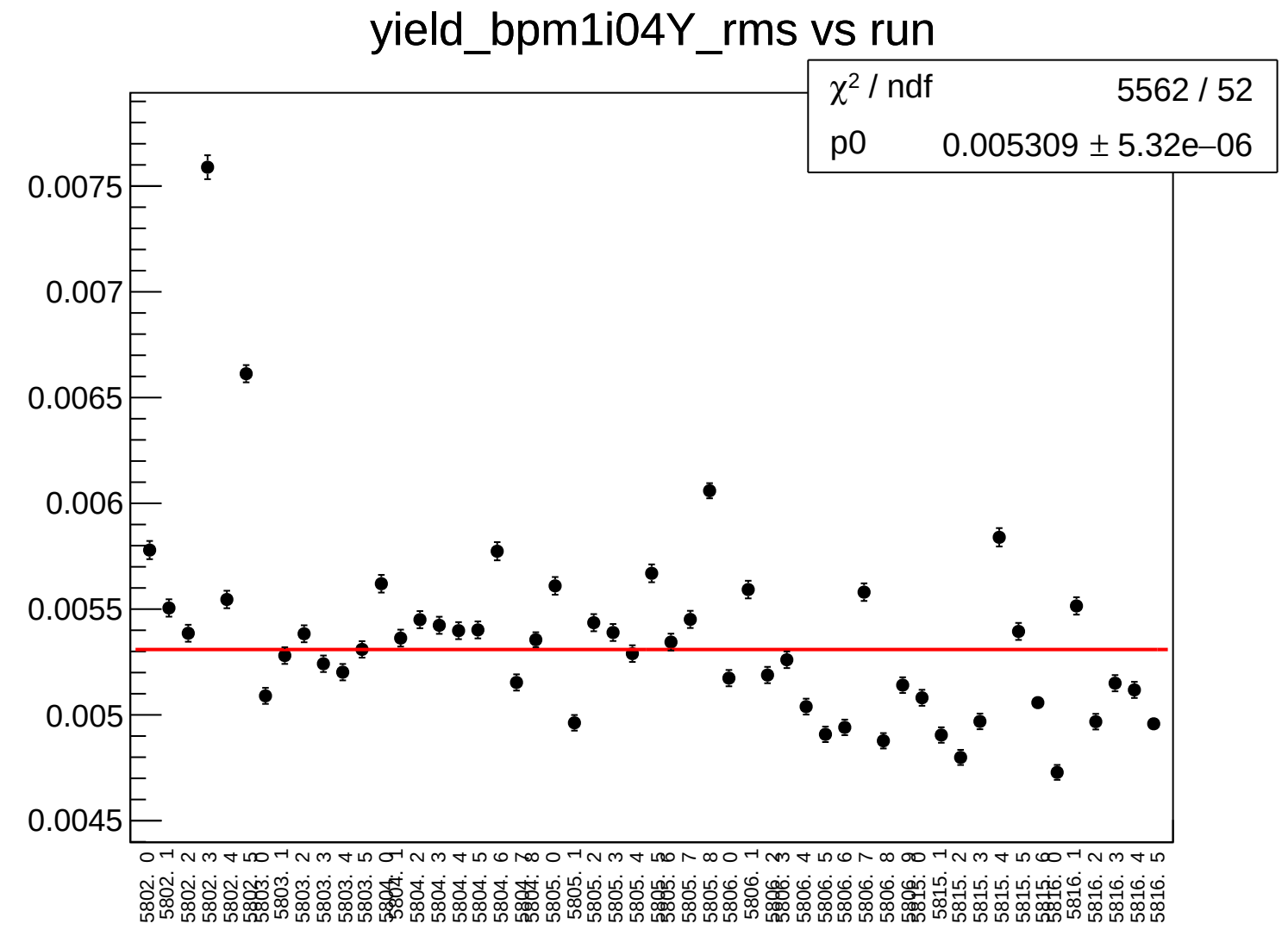

yield_bpm1i04X_mean vs run
χ² / ndf 5.31e+06 / 52
p0 1.242 ± 9.525e−06
1.28
1.27
1.26
1.25
1.24
1.23
1.22
1.21
pull
Entries 53
Mean 8340
Std Dev 0
400
200
0
−200
−400

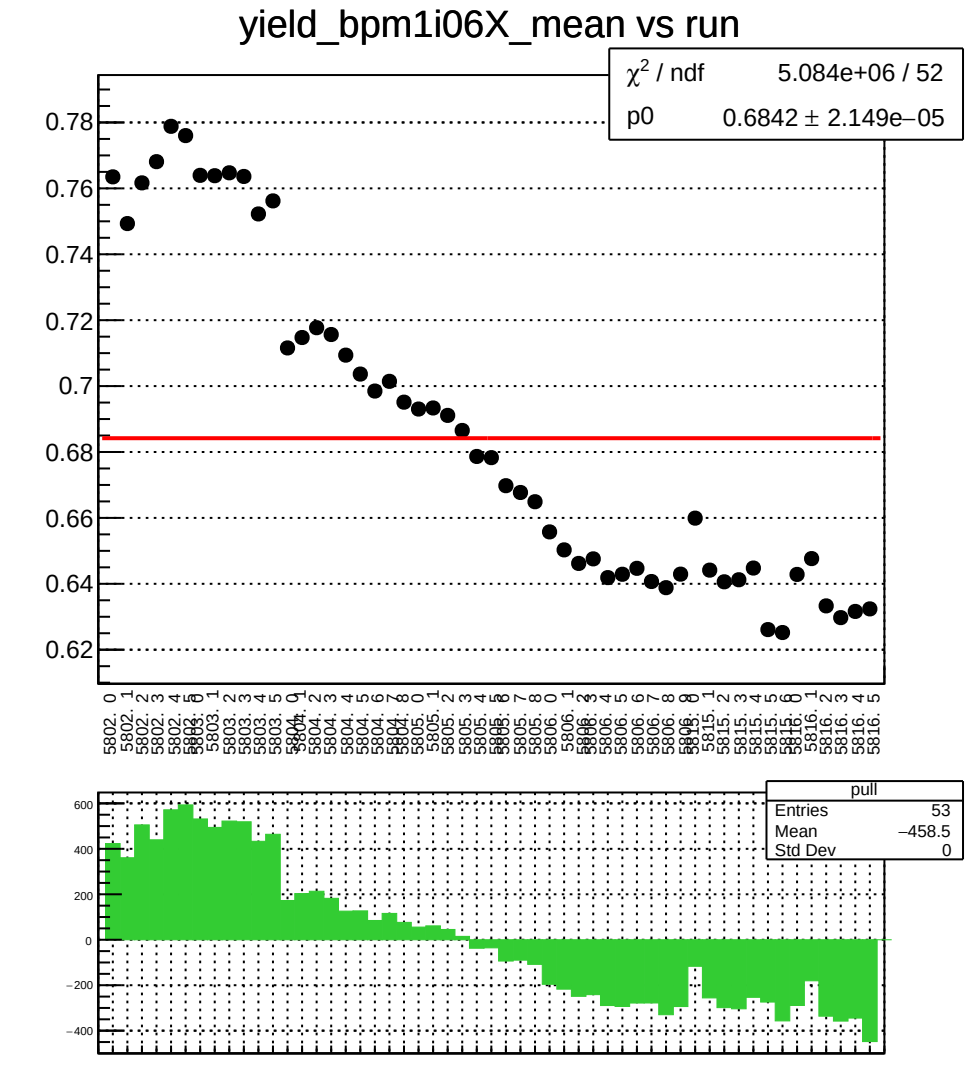

pull1D
Entries 53
Mean −0.7915
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

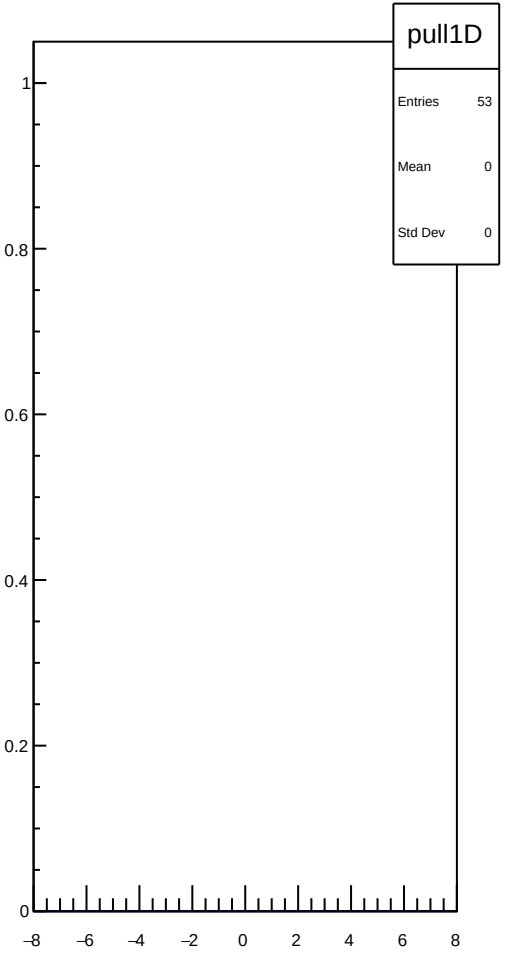

yield_bpm1i04X_rms vs run
χ² / ndf 1.128e+04 / 52
p0 0.006702 ± 6.735e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006

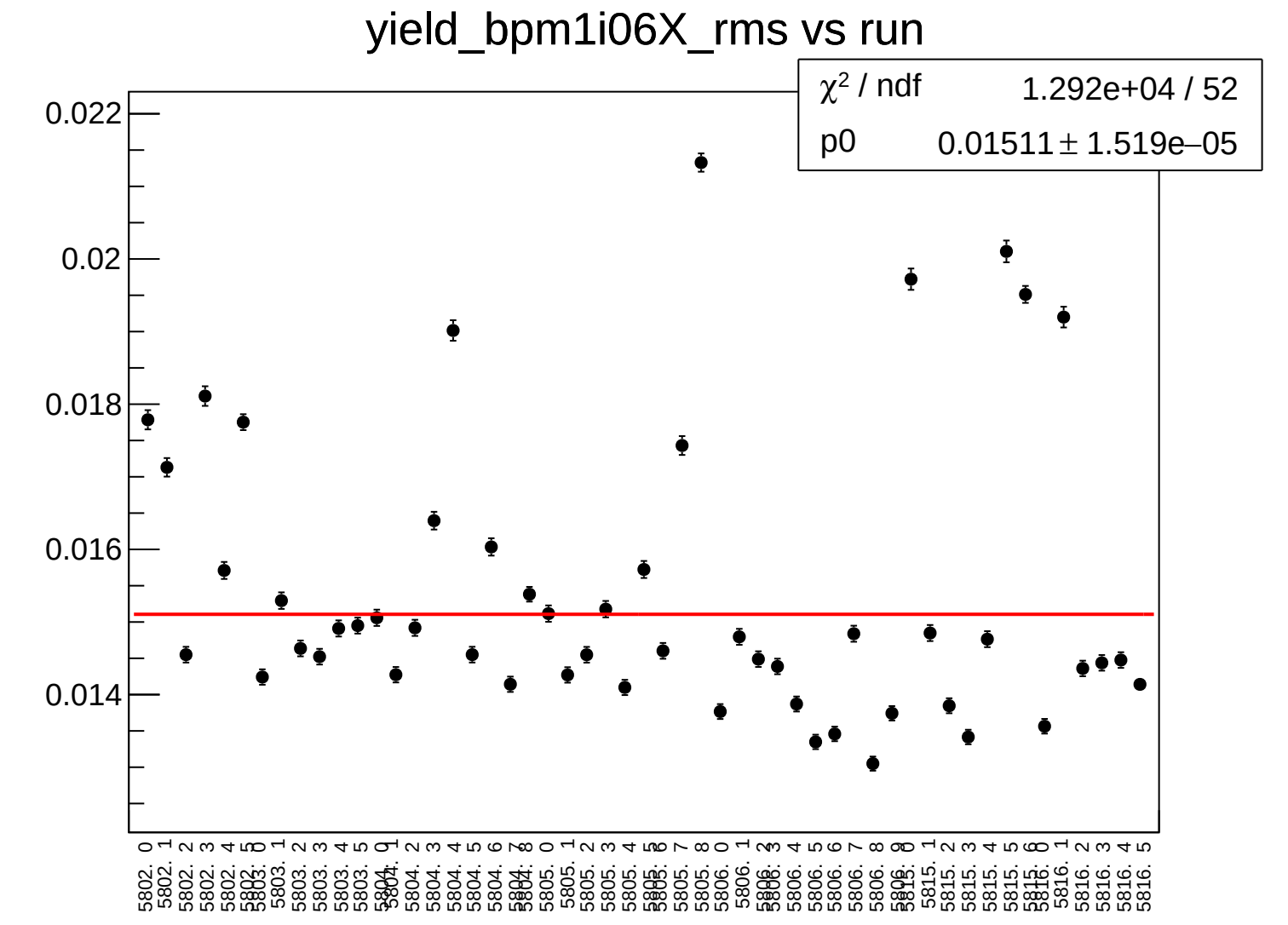

yield_bpm1i04Y_mean vs run
χ² / ndf 8.499e+07 / 52
p0 4.256 ± 7.523e−06
4.32
4.3
4.28
4.26
4.24
4.22
4.2
4.18
4.16
4.14
pull
Entries 53
Mean −254.9
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000

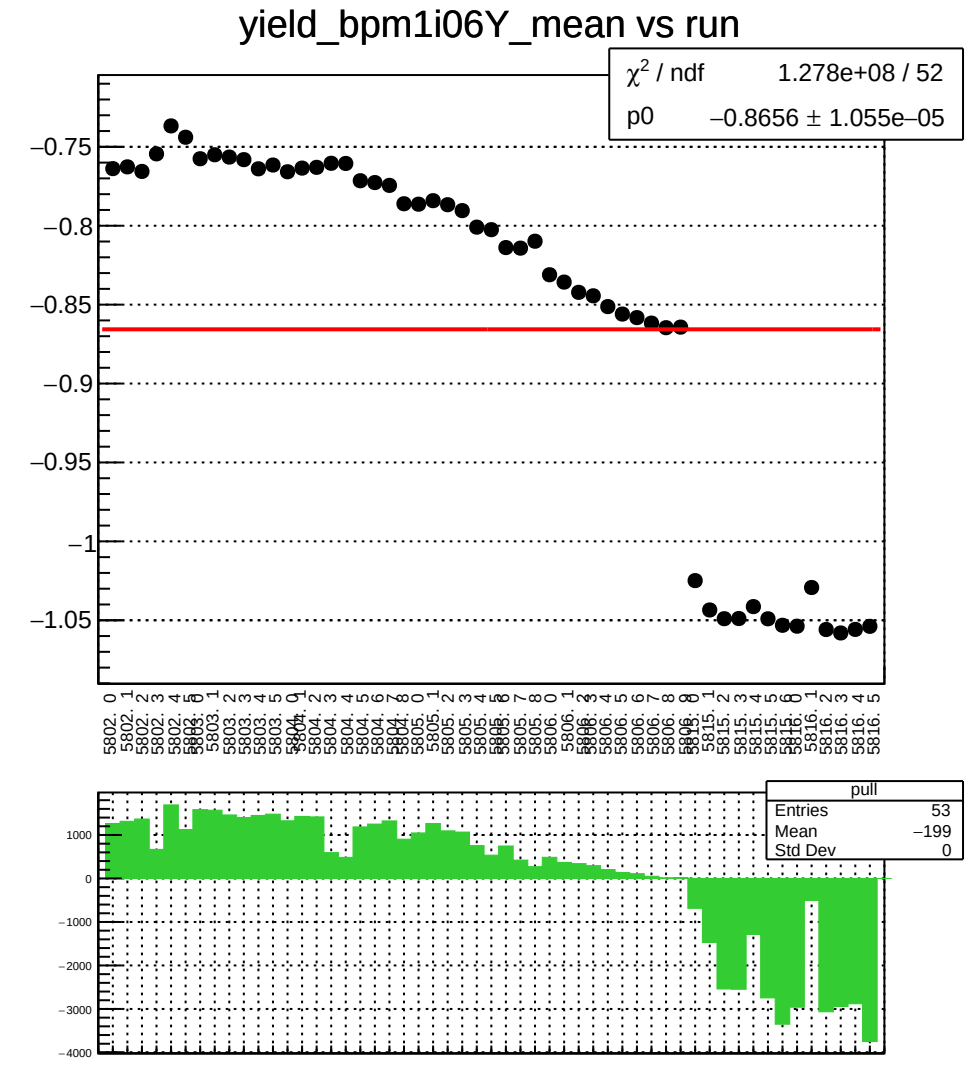

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

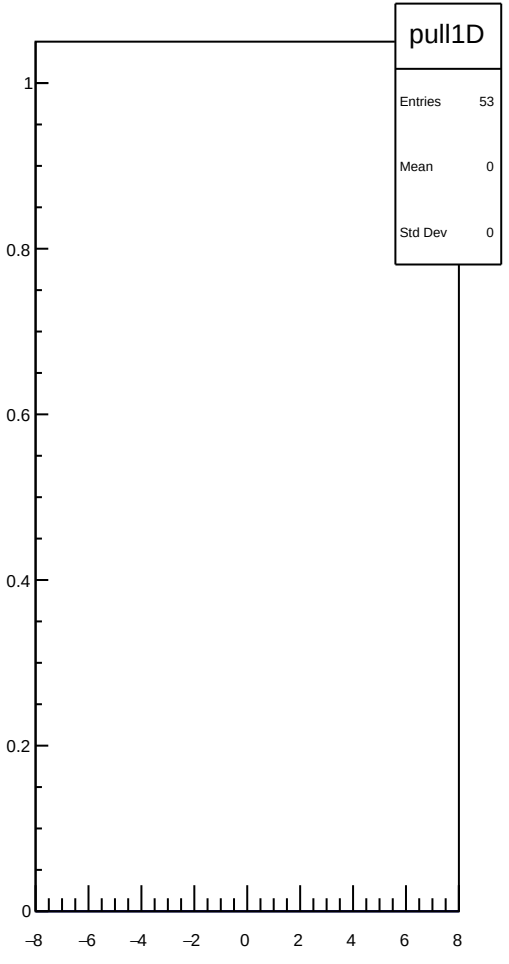

yield_bpm1i04Y_rms vs run
χ² / ndf 5562 / 52
p0 0.005309 ± 5.32e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045

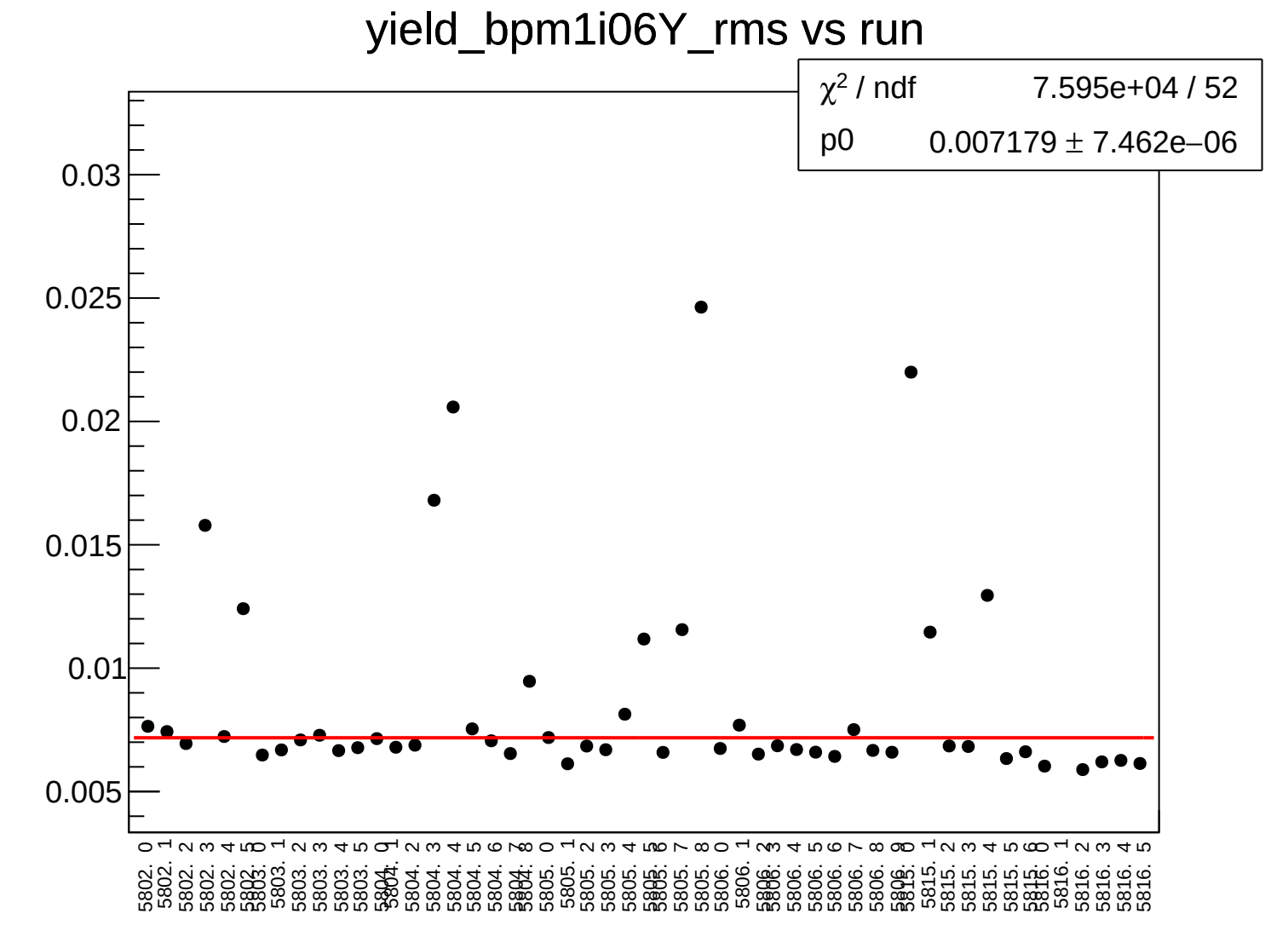

yield_bpm1i06X_mean vs run
χ² / ndf 5.084e+06 / 52
p0 0.6842 ± 2.149e−05
pull
Entries 53
Mean −458.5
Std Dev 0

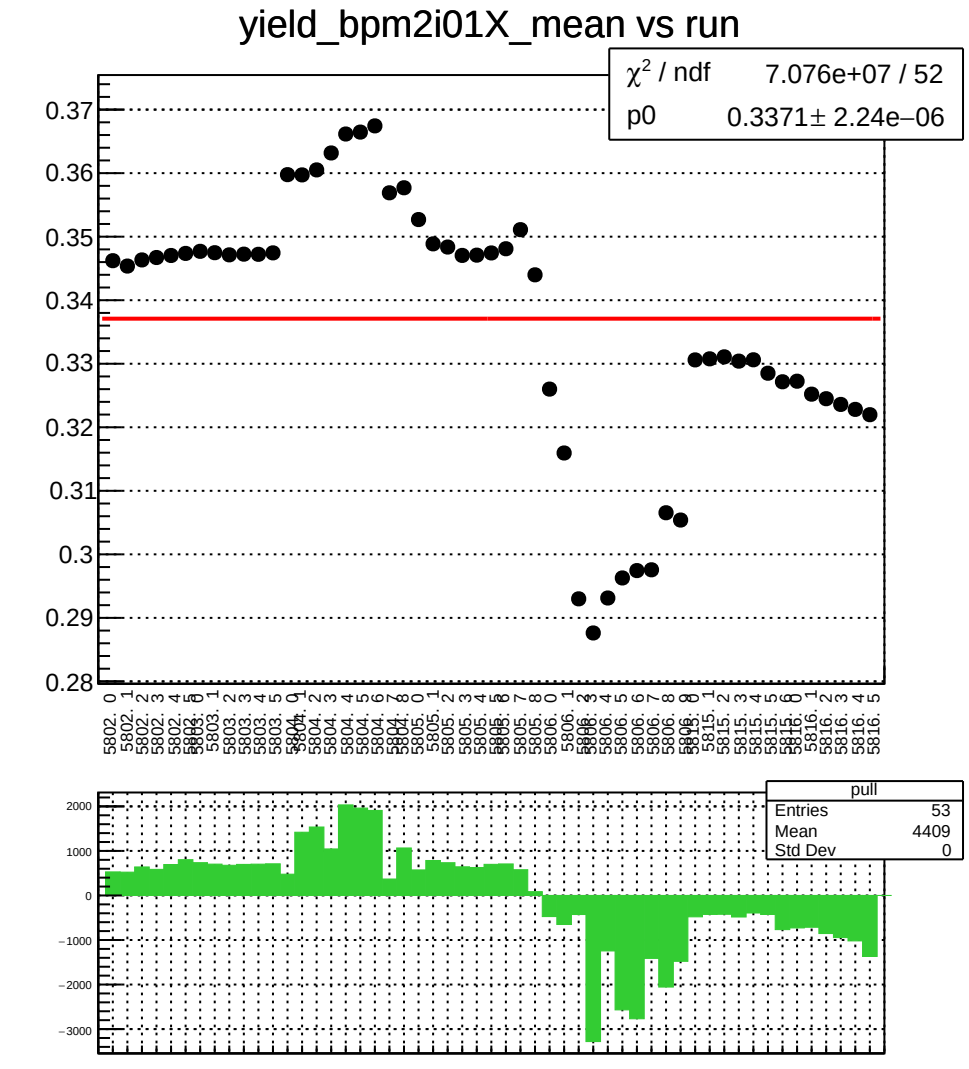

pull1D
Entries 53
Mean 0
Std Dev 0

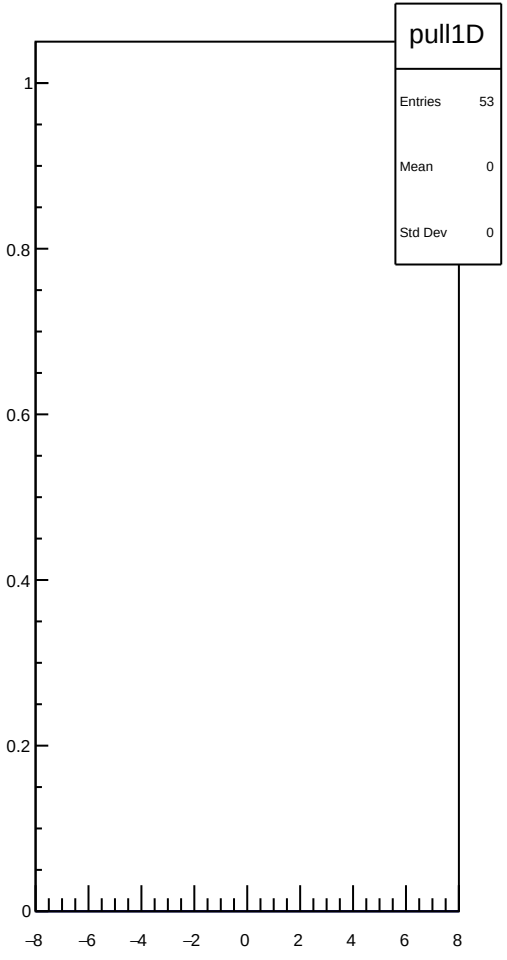

yield_bpm1i06X_rms vs run
χ² / ndf 1.292e+04 / 52
p0 0.01511 ± 1.519e–05
0.022
0.02
0.018
0.016
0.014

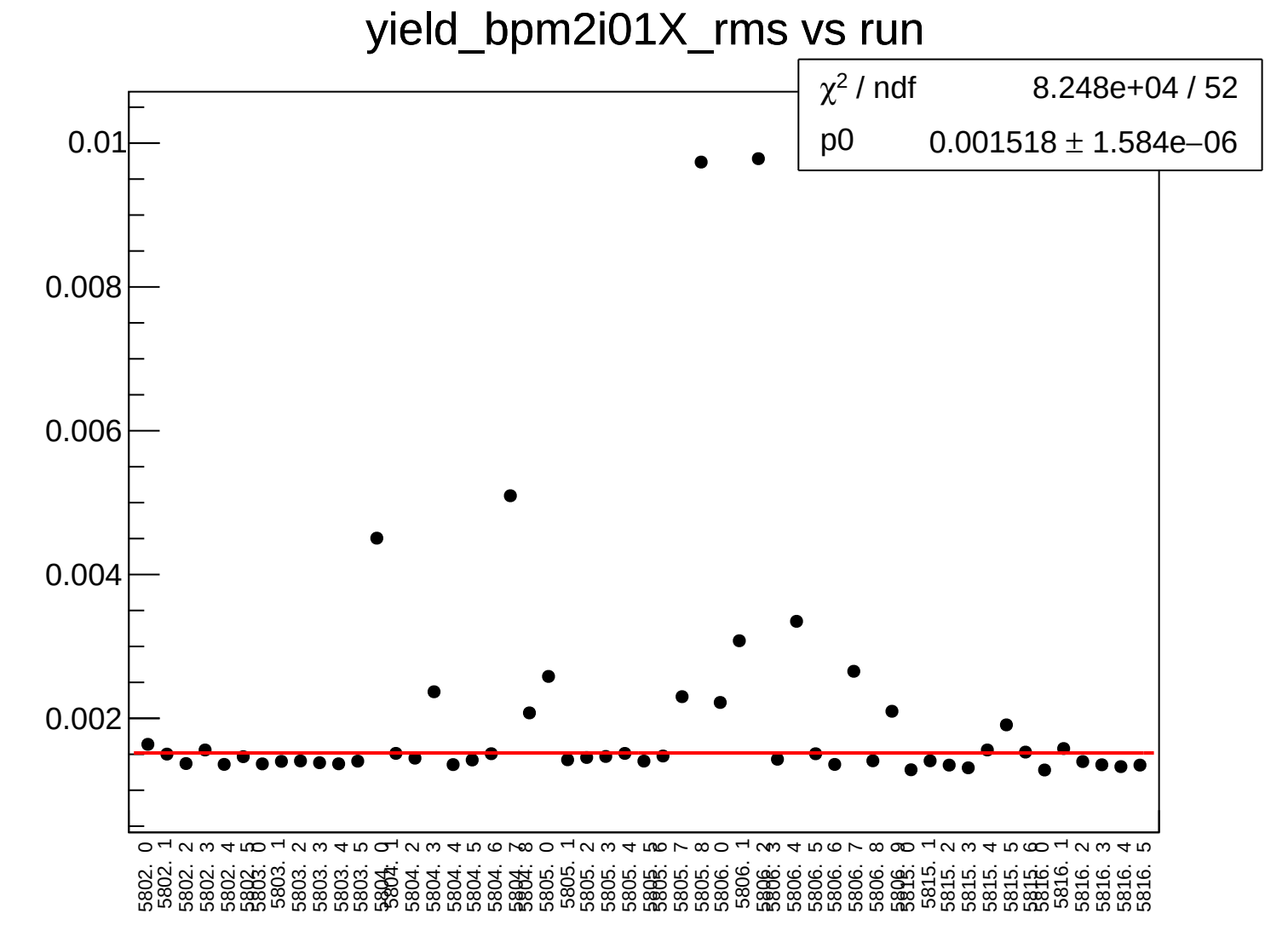

yield_bpm1i06Y_mean vs run
χ² / ndf 1.278e+08 / 52
p0 −0.8656 ± 1.055e−05
−0.75
−0.8
−0.85
−0.9
−0.95
−1
−1.05
pull
Entries 53
Mean −199
Std Dev 0
1000
0
−1000
−2000
−3000
−4000

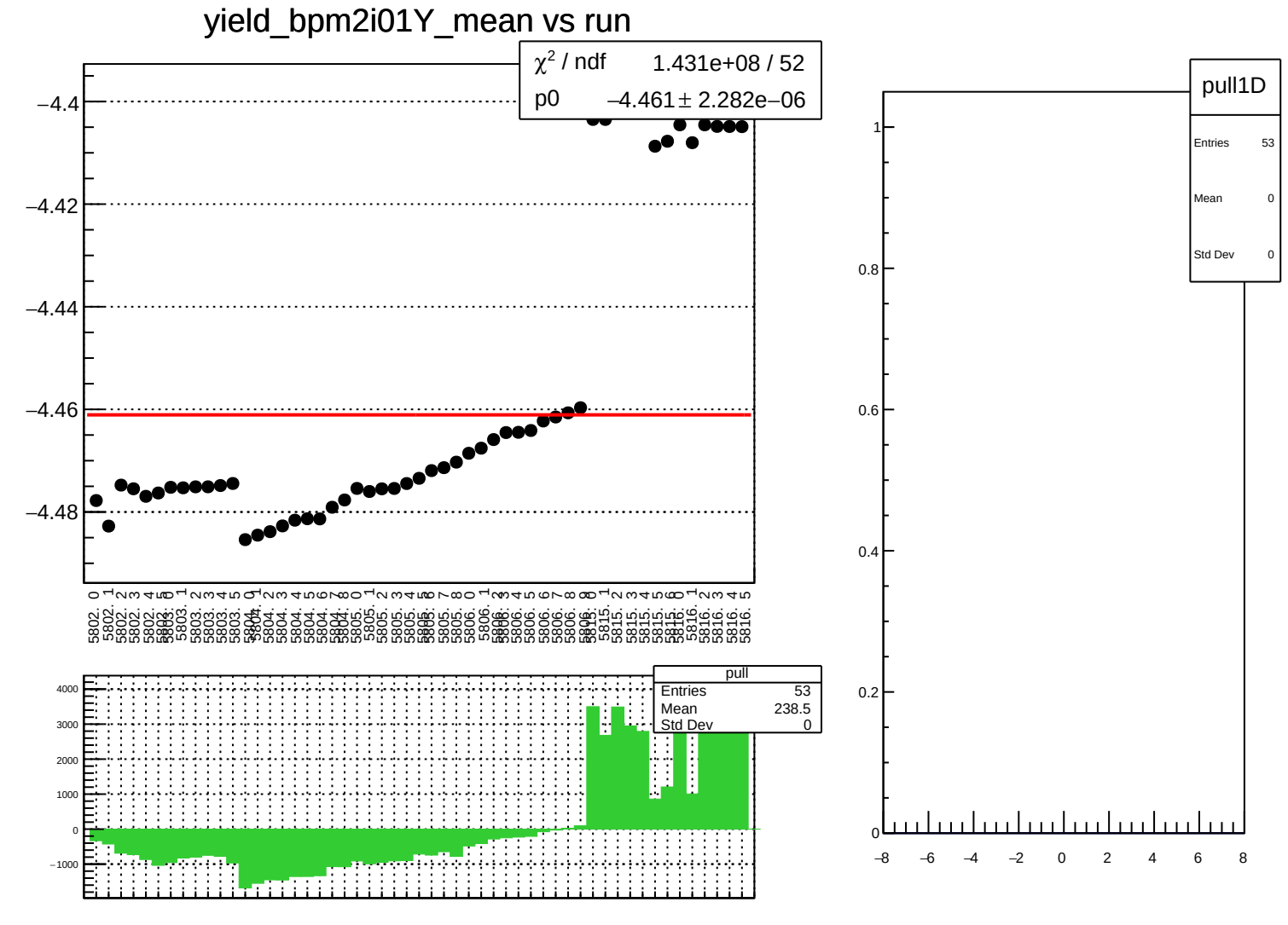

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

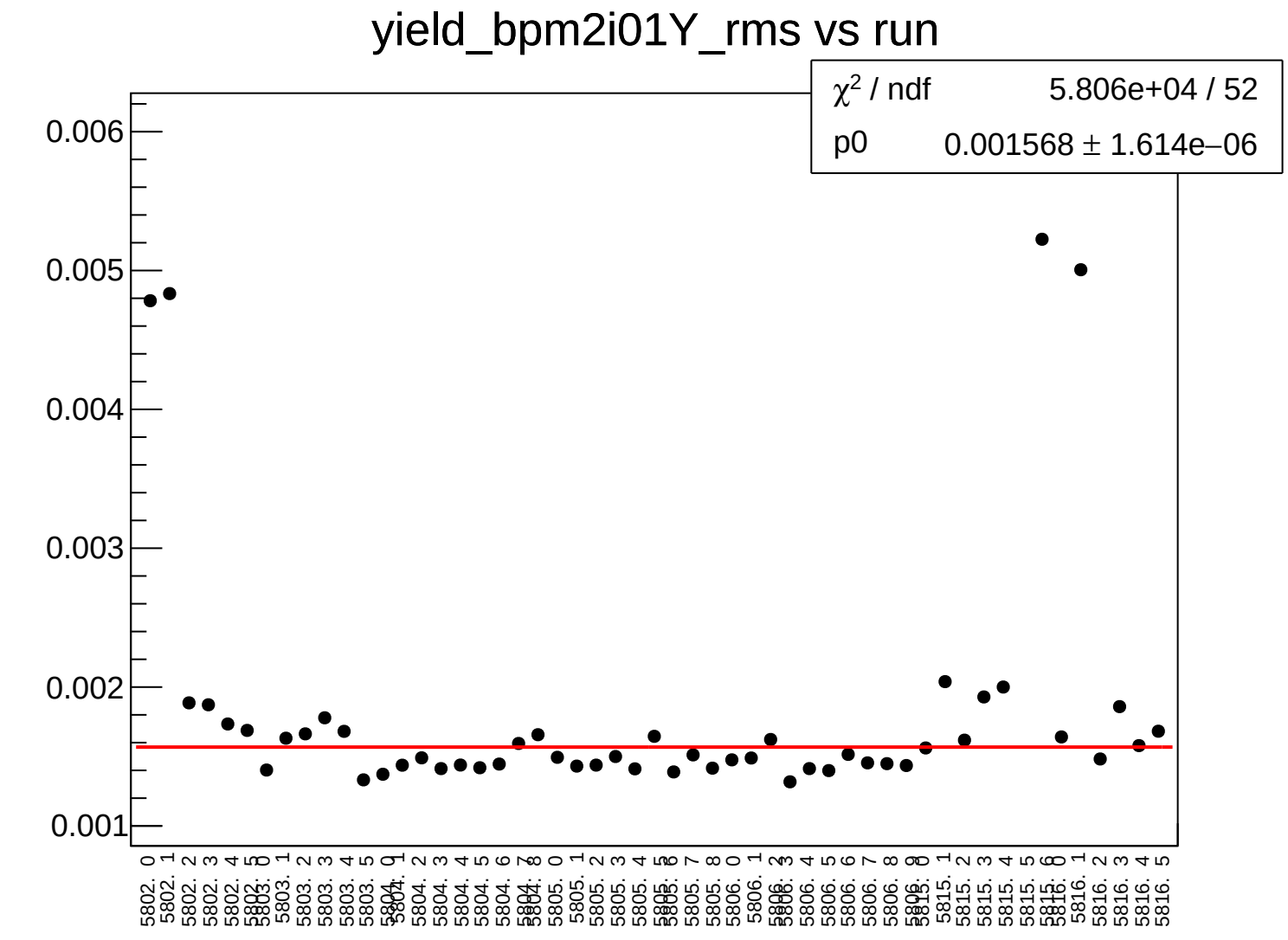

yield_bpm1i06Y_rms vs run
χ² / ndf 7.595e+04 / 52
p0 0.007179 ± 7.462e−06
0.03
0.025
0.02
0.015
0.01
0.005

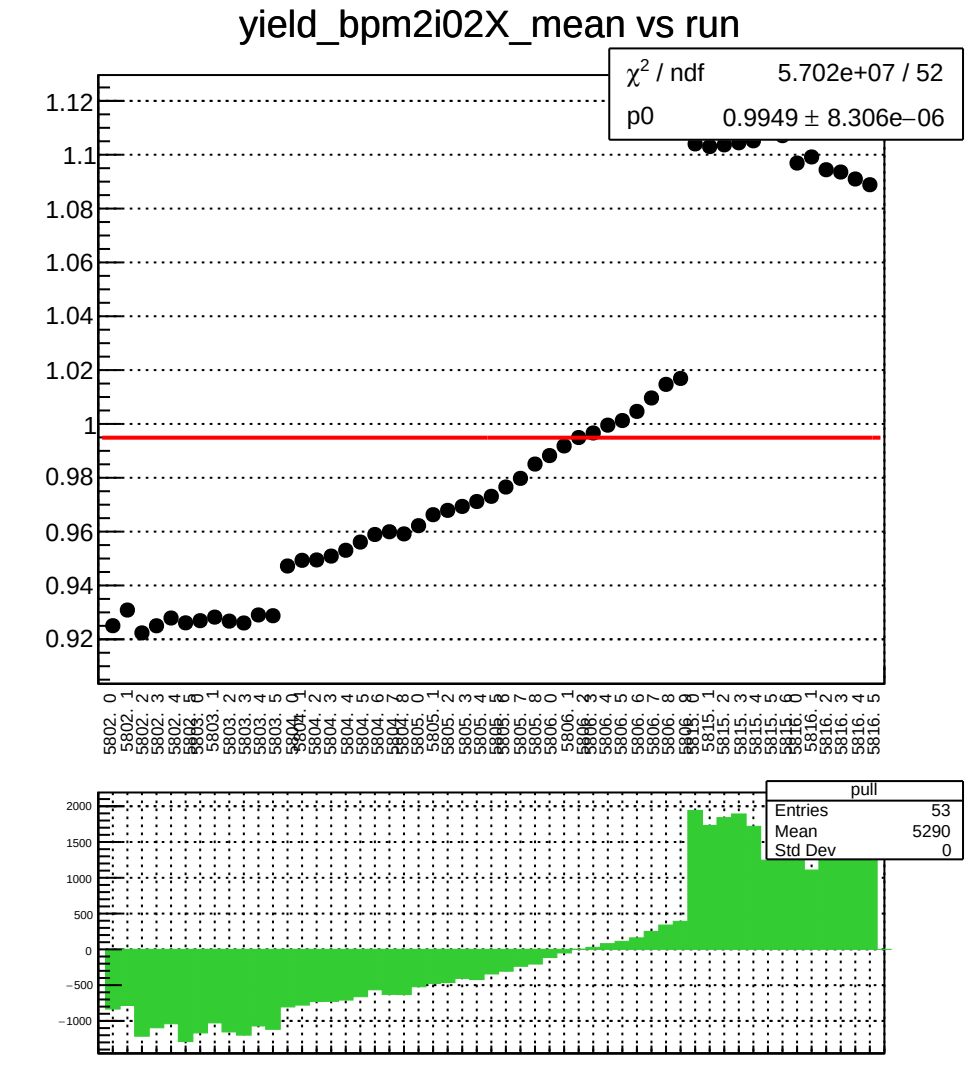

yield_bpm2i01X_mean vs run
χ² / ndf 7.076e+07 / 52
p0 0.3371± 2.24e−06
pull
Entries 53
Mean 4409
Std Dev 0

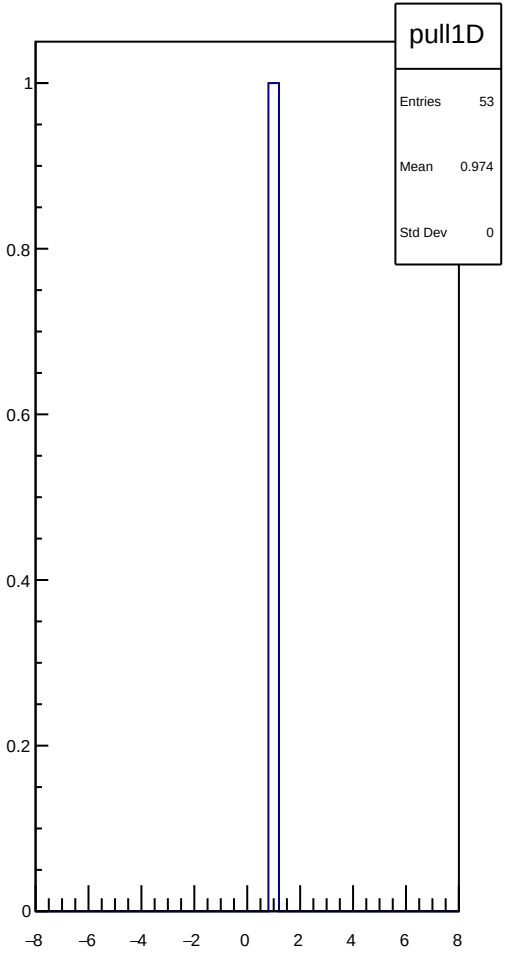

pull1D
Entries 53
Mean 0
Std Dev 0

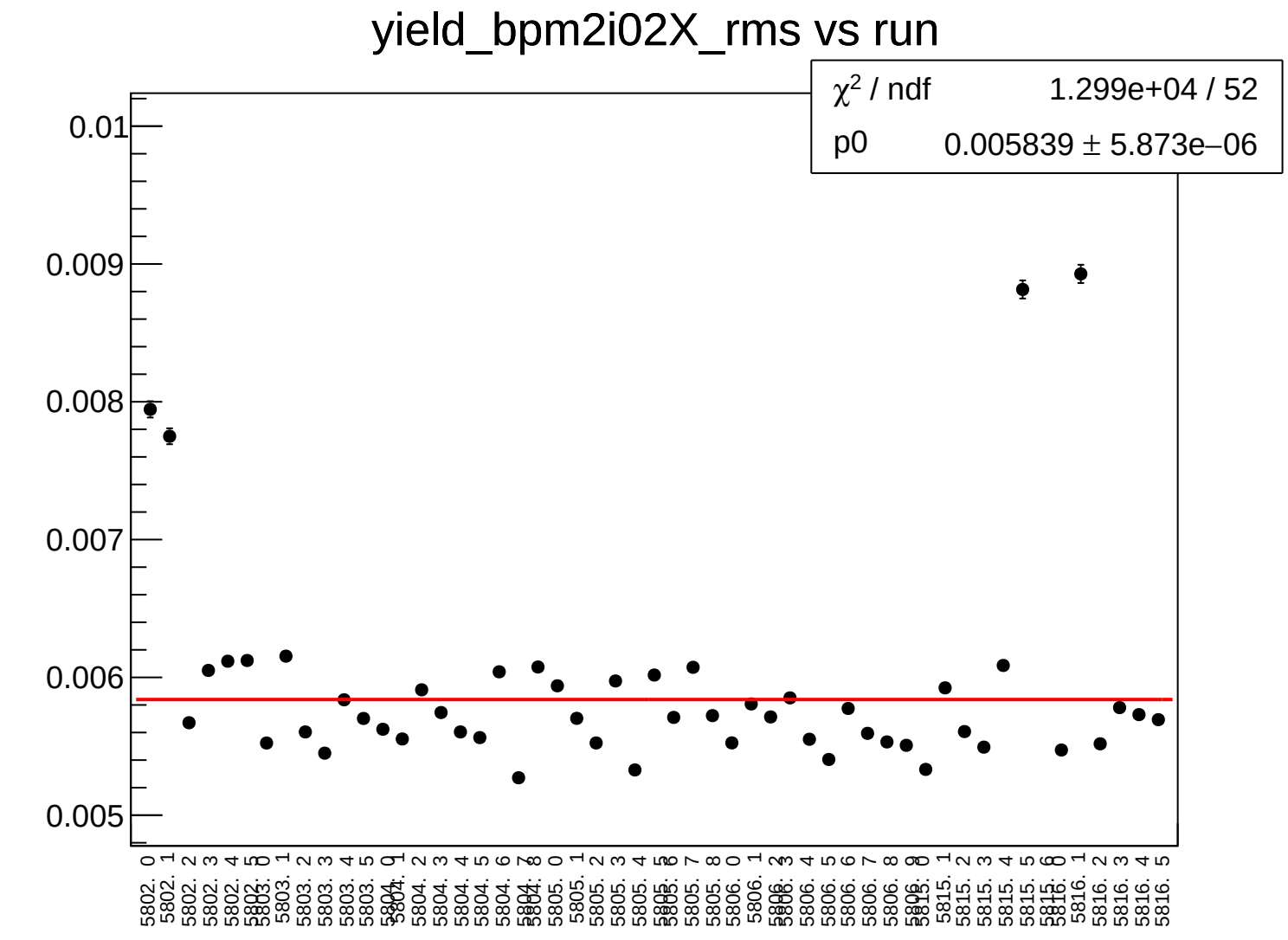

yield_bpm2i01X_rms vs run
χ² / ndf 8.248e+04 / 52
p0 0.001518 ± 1.584e−06
0.01
0.008
0.006
0.004
0.002

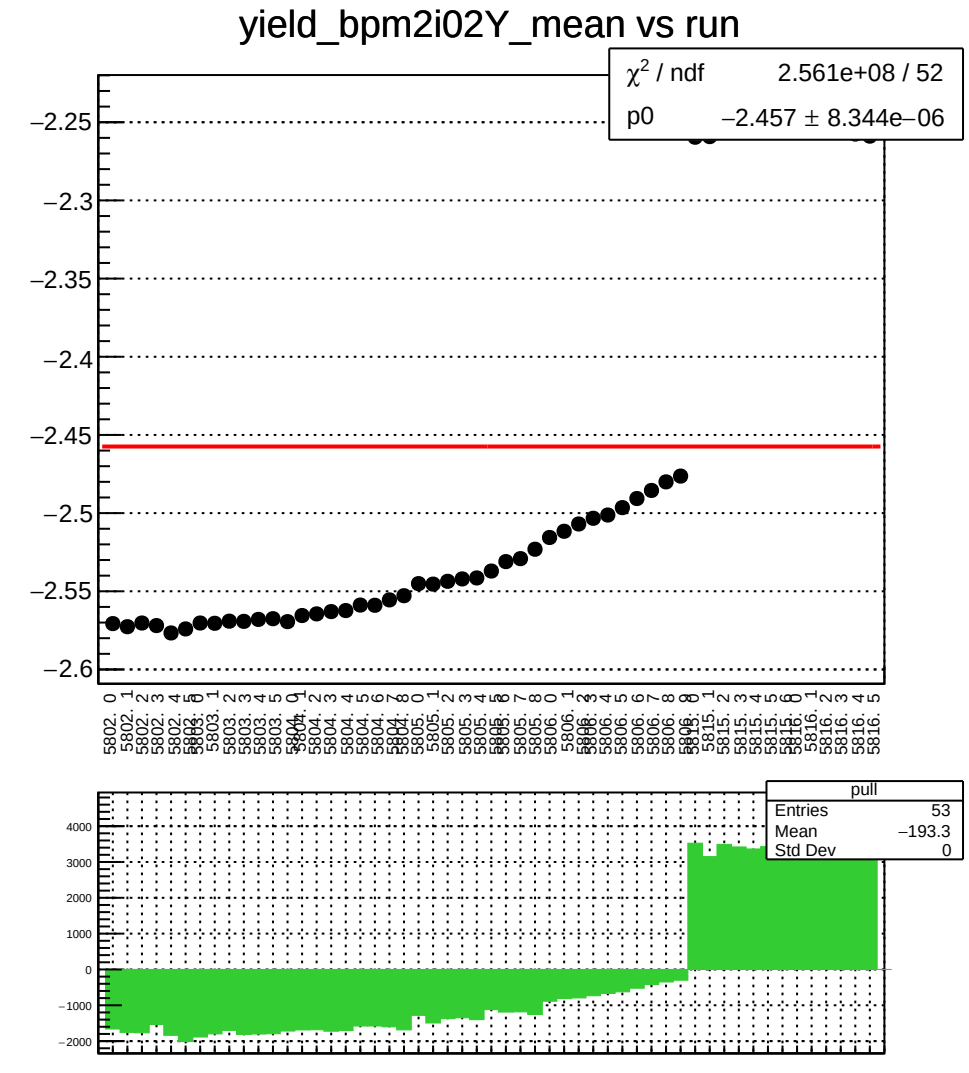

yield_bpm2i01Y_mean vs run
χ² / ndf 1.431e+08 / 52
p0 −4.461 ± 2.282e−06
−4.4
−4.42
−4.44
−4.46
−4.48
pull
Entries 53
Mean 238.5
Std Dev 0
4000
3000
2000
1000
0
−1000
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

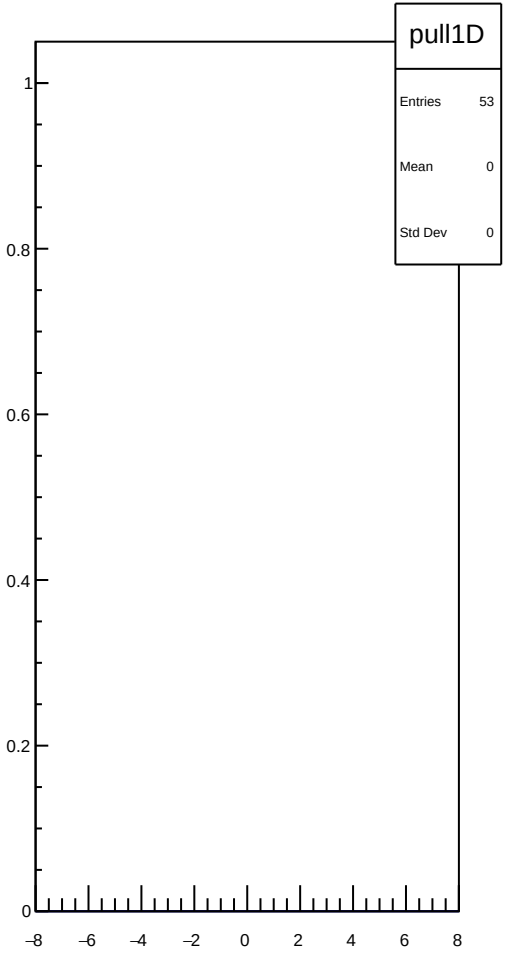

yield_bpm2i01Y_rms vs run
χ² / ndf 5.806e+04 / 52
p0 0.001568 ± 1.614e−06
0.006
0.005
0.004
0.003
0.002
0.001

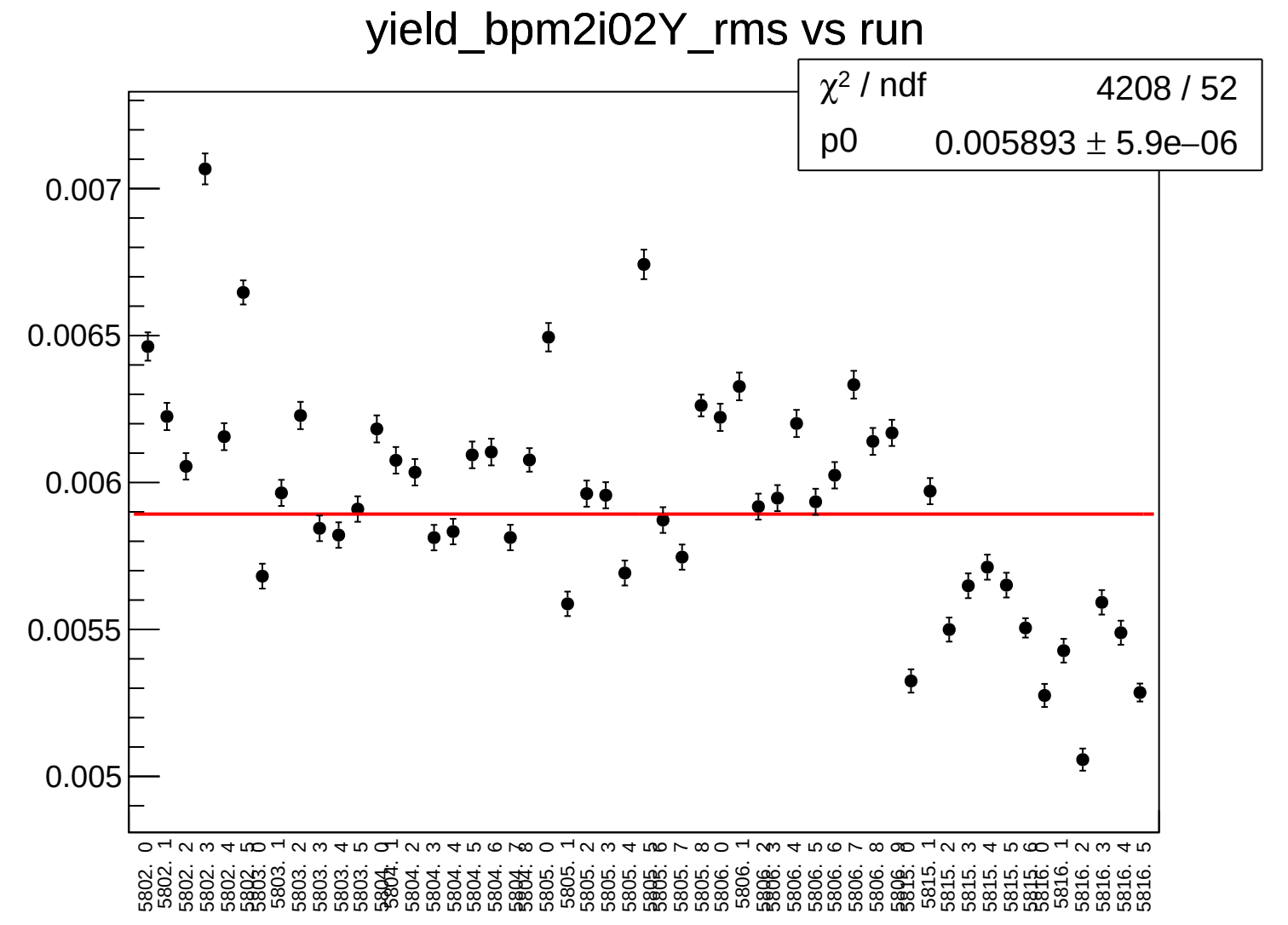

yield_bpm2i02X_mean vs run
χ² / ndf 5.702e+07 / 52
p0 0.9949 ± 8.306e−06
pull
Entries 53
Mean 5290
Std Dev 0

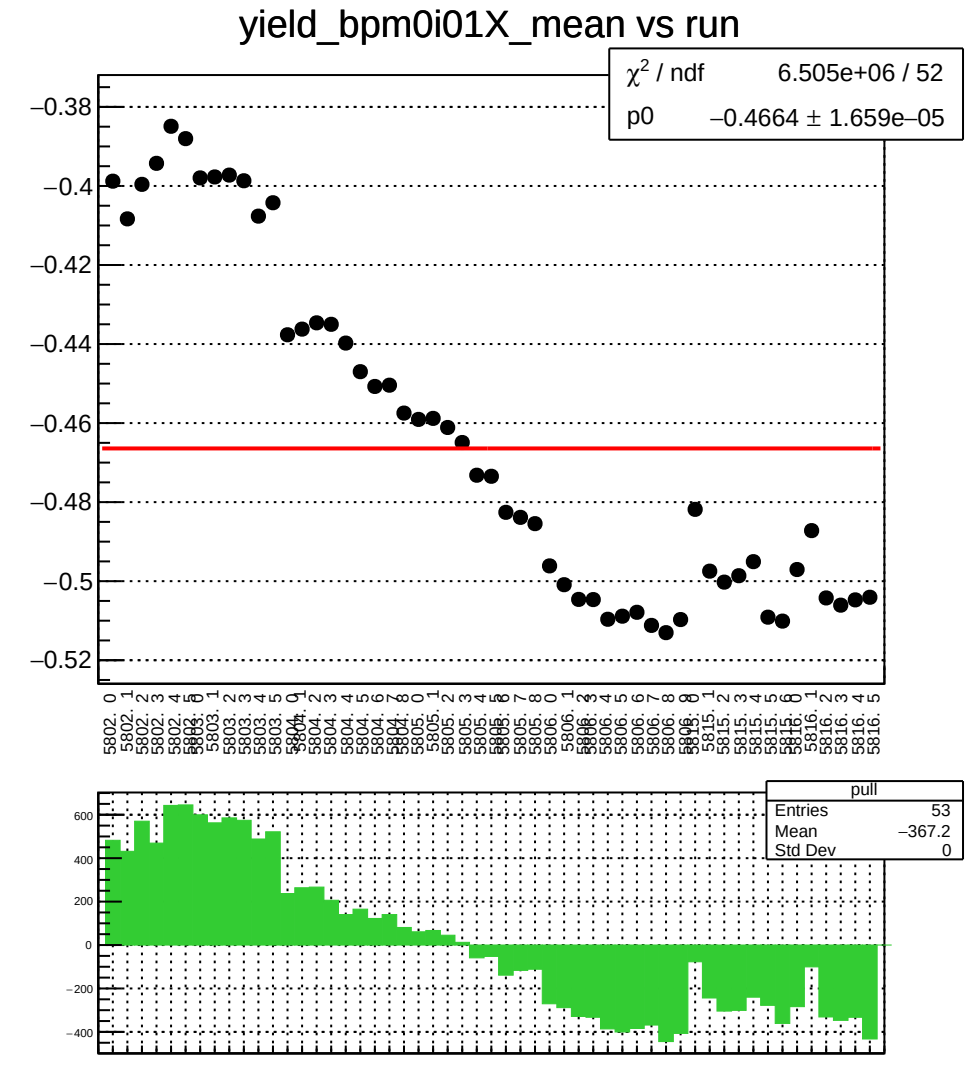

pull1D
Entries 53
Mean 0.974
Std Dev 0

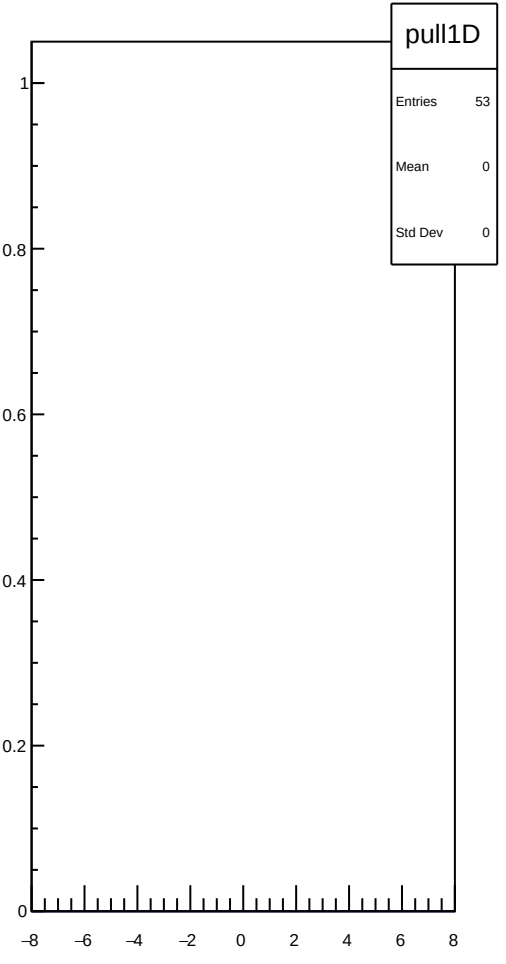

yield_bpm2i02X_rms vs run
χ² / ndf 1.299e+04 / 52
p0 0.005839 ± 5.873e−06
0.01
0.009
0.008
0.007
0.006
0.005

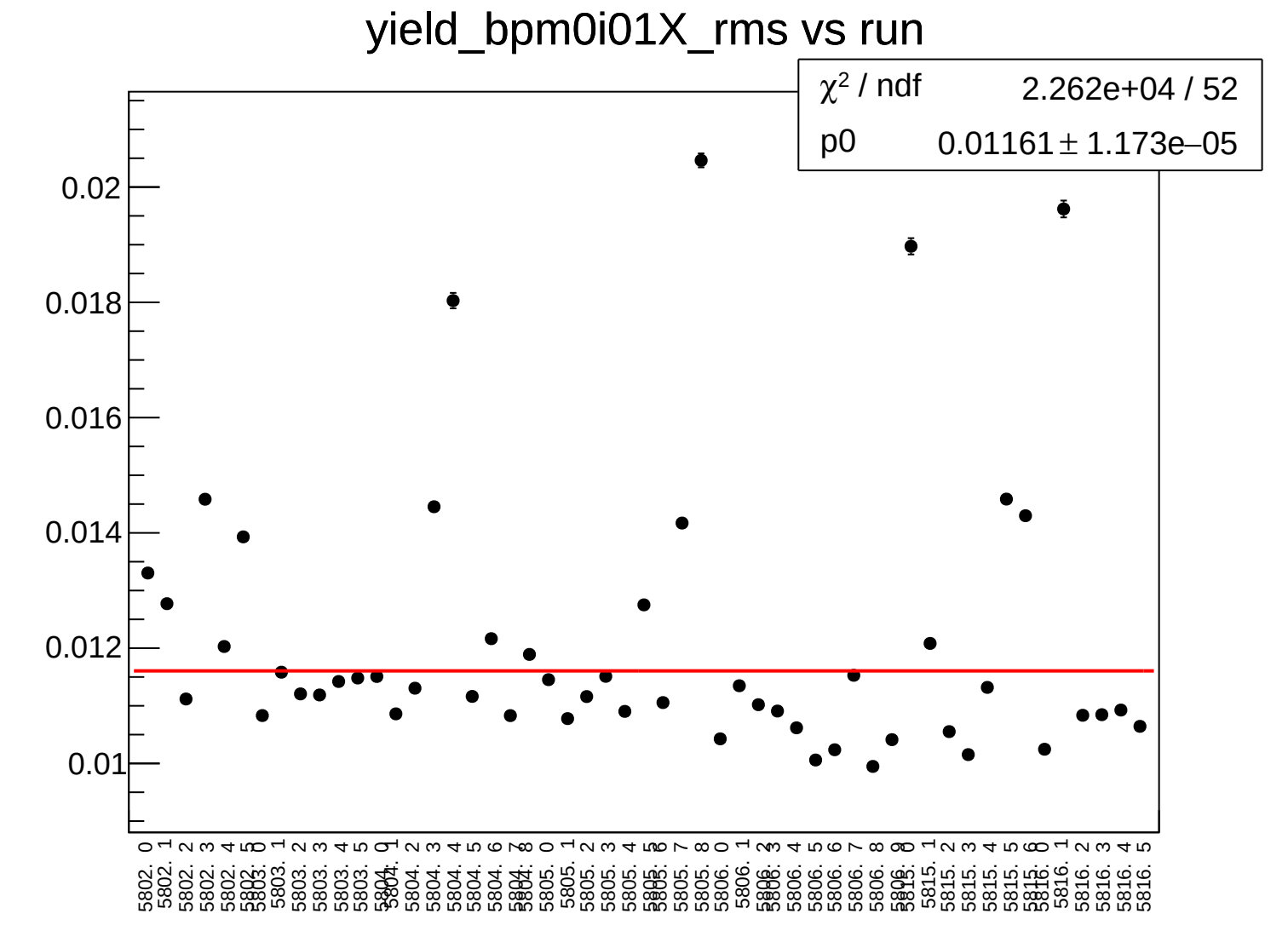

yield_bpm2i02Y_mean vs run
χ² / ndf 2.561e+08 / 52
p0 −2.457 ± 8.344e−06
−2.25
−2.3
−2.35
−2.4
−2.45
−2.5
−2.55
−2.6
pull
Entries 53
Mean −193.3
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000

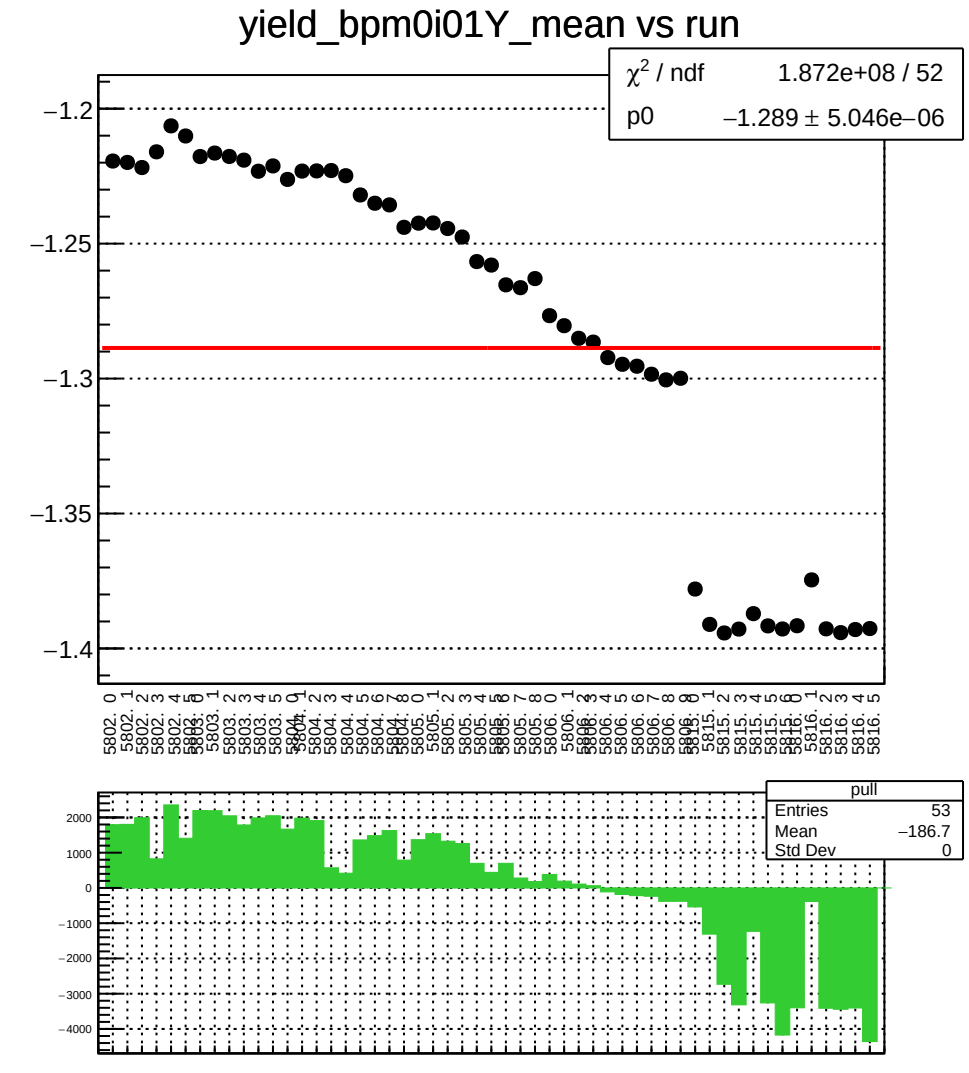

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

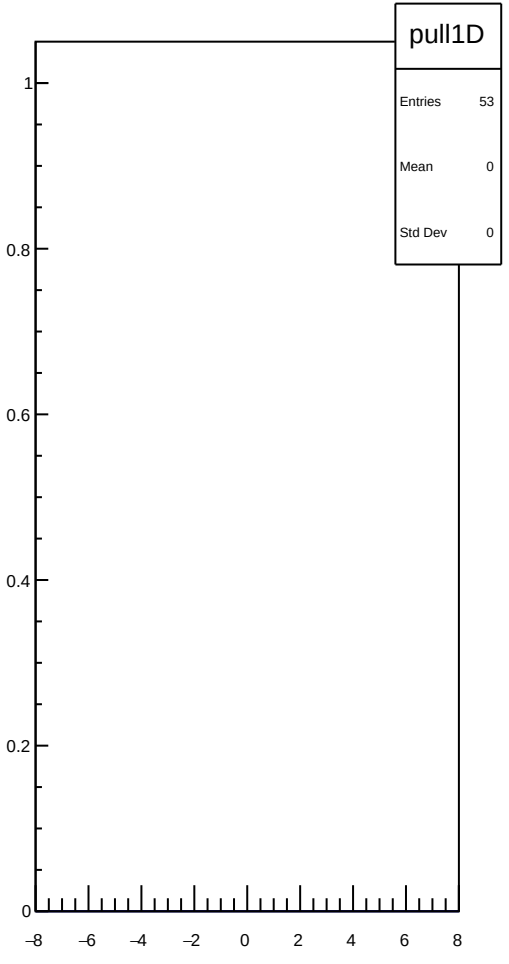

yield_bpm2i02Y_rms vs run
χ² / ndf 4208 / 52
p0 0.005893 ± 5.9e−06
0.007
0.0065
0.006
0.0055
0.005

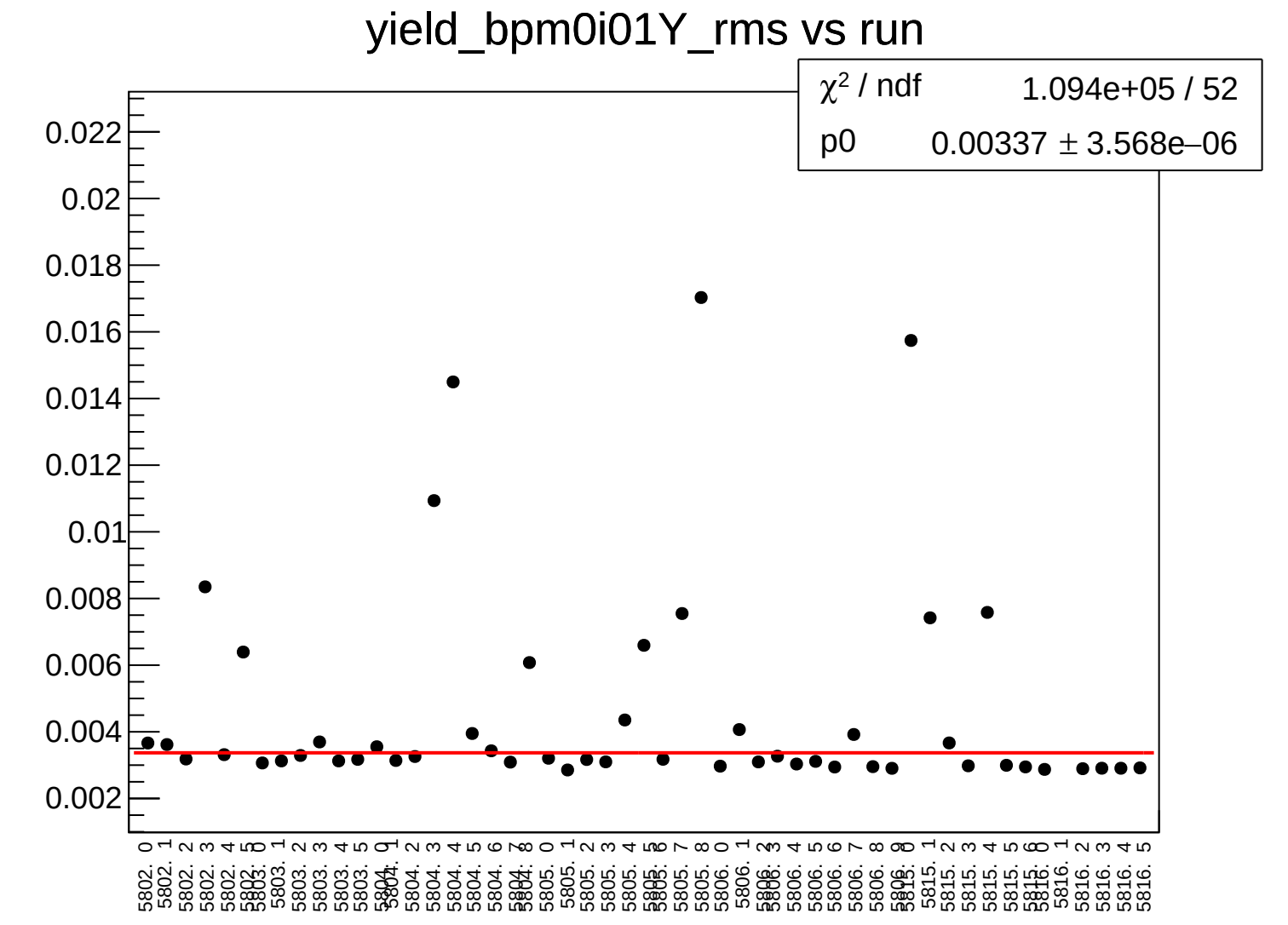

yield_bpm0i01X_mean vs run
χ² / ndf 6.505e+06 / 52
p0 −0.4664 ± 1.659e−05
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
−0.52
pull
Entries 53
Mean −367.2
Std Dev 0
600
400
200
0
−200
−400

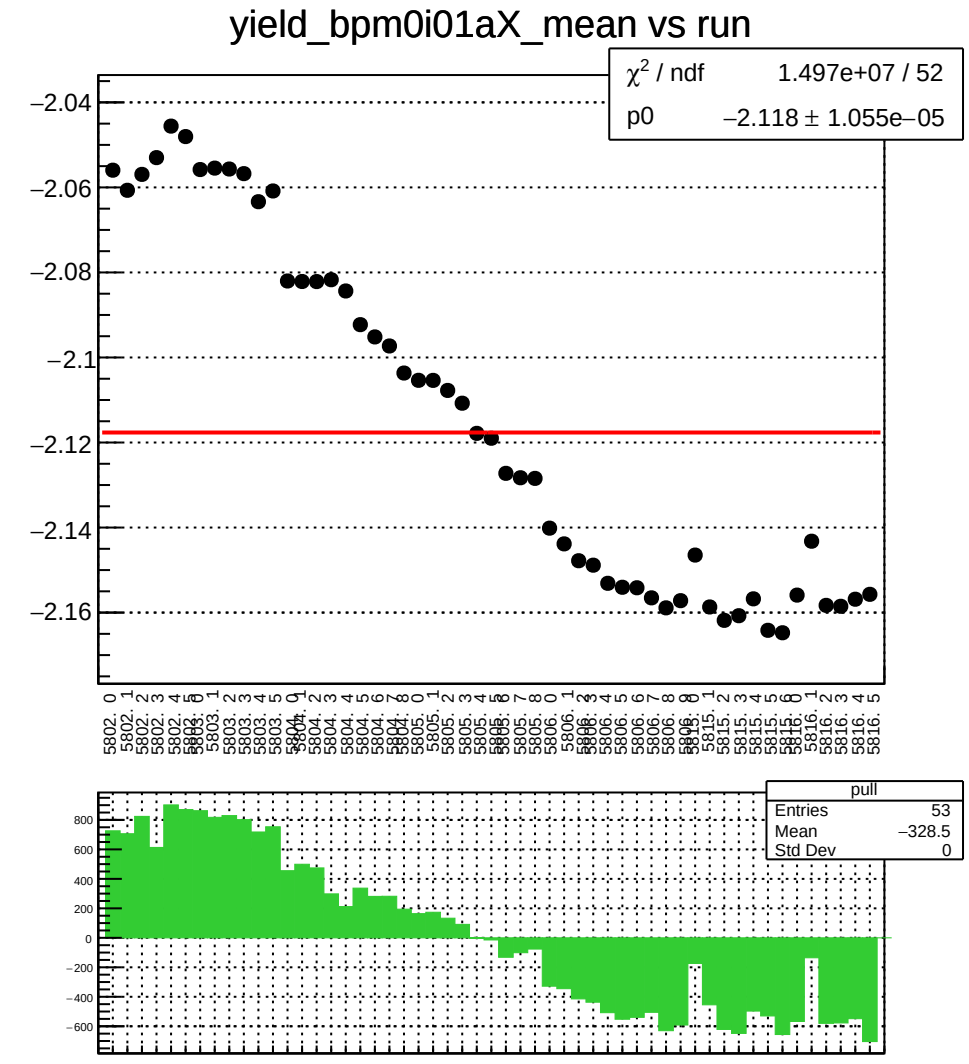

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

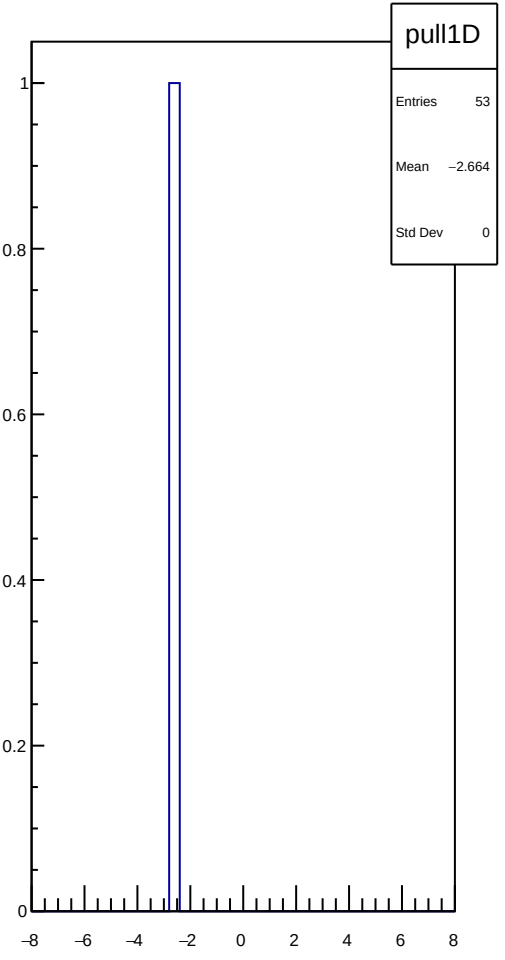

yield_bpm0i01X_rms vs run
χ² / ndf 2.262e+04 / 52
p0 0.01161 ± 1.173e–05
0.02
0.018
0.016
0.014
0.012
0.01

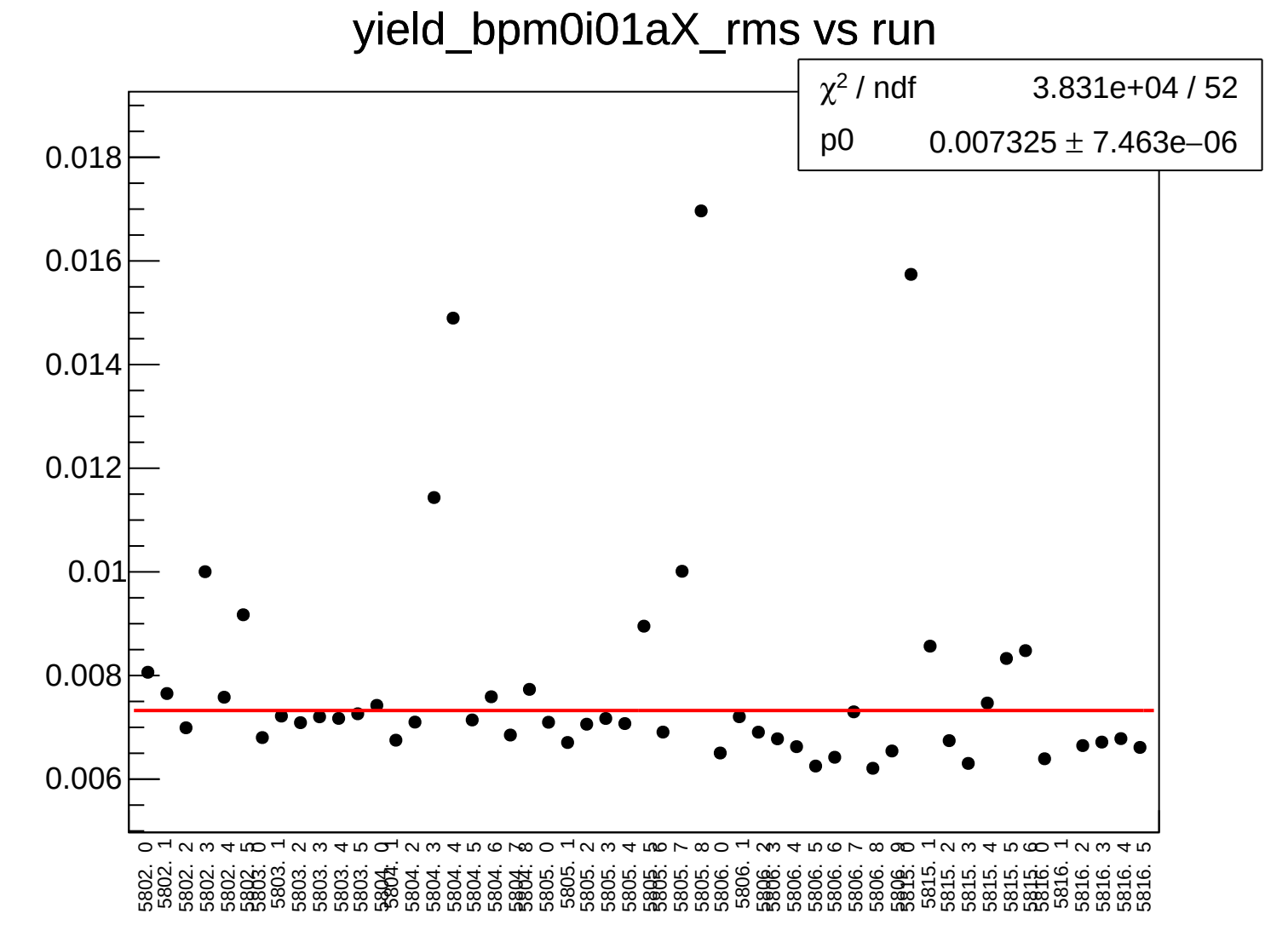

yield_bpm0i01Y_mean vs run
χ² / ndf 1.872e+08 / 52
p0 −1.289 ± 5.046e−06
−1.2
−1.25
−1.3
−1.35
−1.4
pull
Entries 53
Mean −186.7
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000

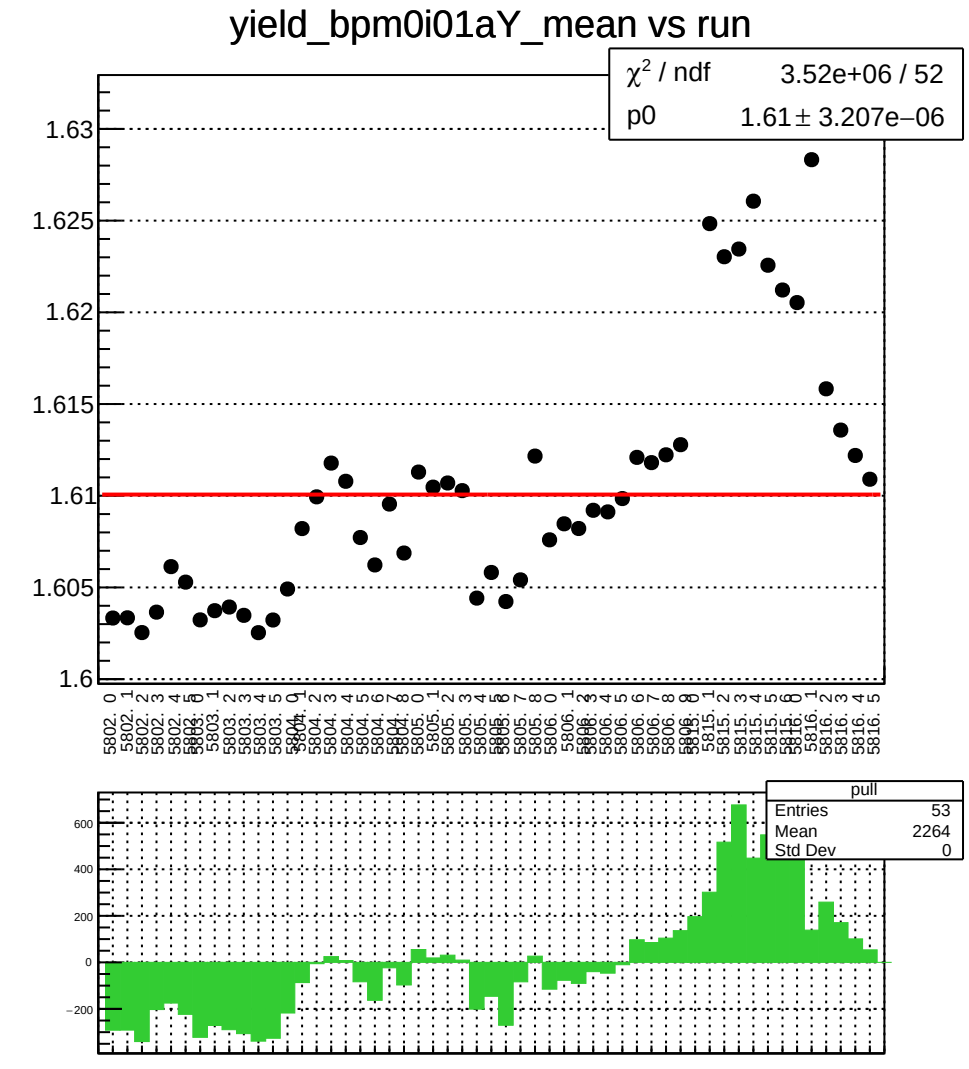

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

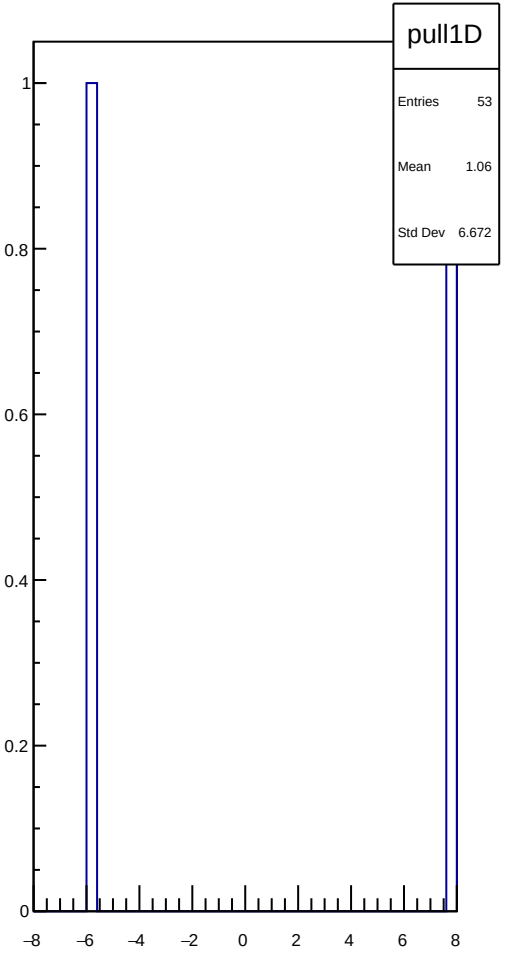

yield_bpm0i01Y_rms vs run
χ² / ndf 1.094e+05 / 52
p0 0.00337 ± 3.568e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

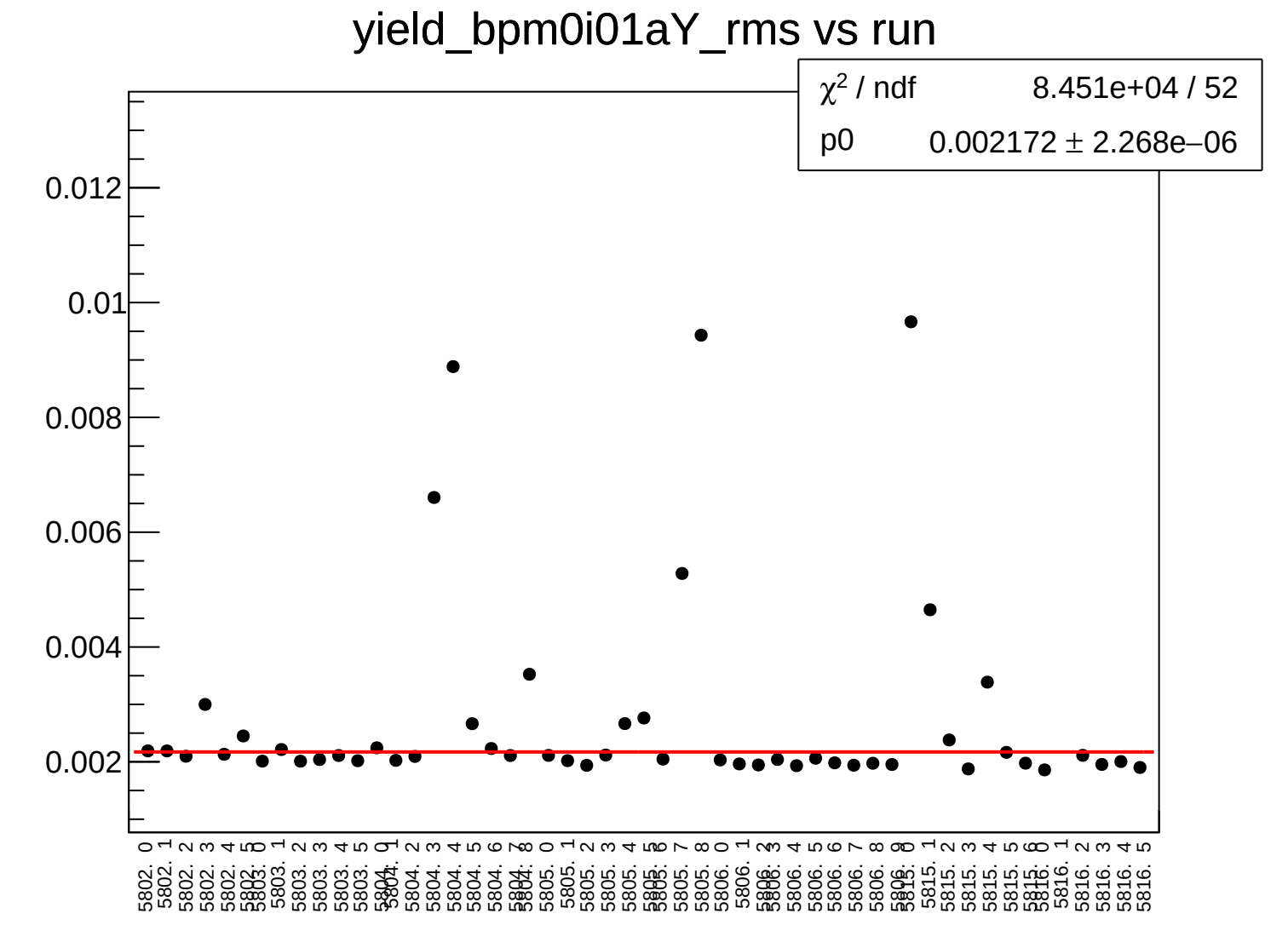

yield_bpm0i01aX_mean vs run
χ² / ndf 1.497e+07 / 52
p0 −2.118 ± 1.055e−05
pull
Entries 53
Mean −328.5
Std Dev 0

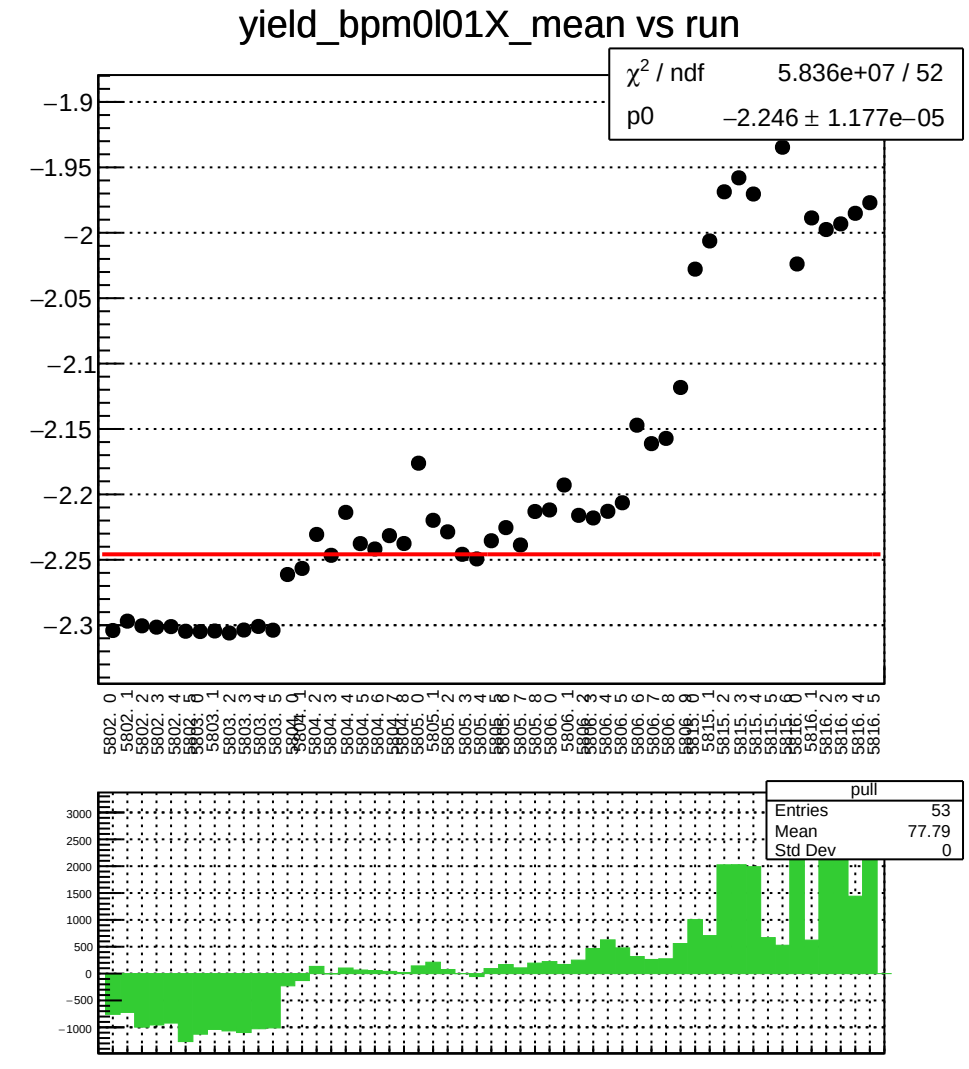

pull1D
Entries 53
Mean −2.664
Std Dev 0

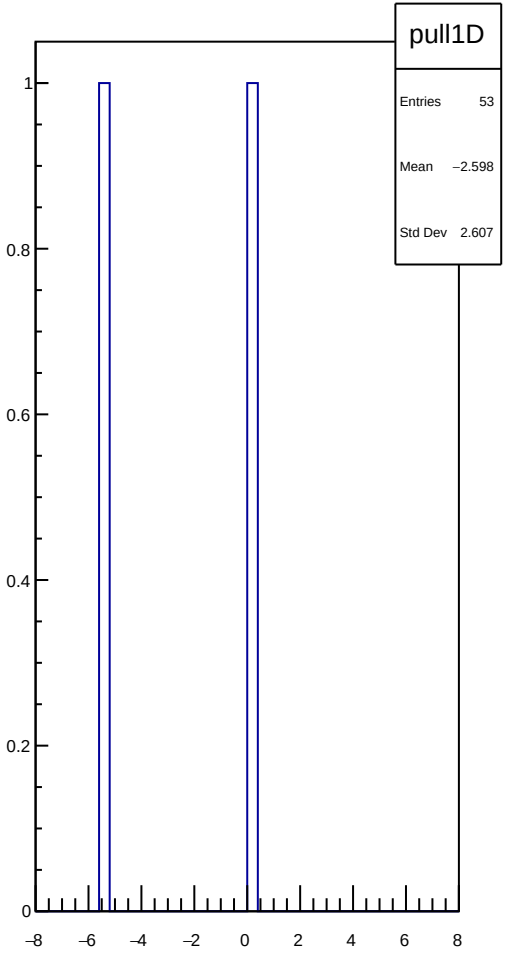

yield_bpm0i01aX_rms vs run
χ² / ndf 3.831e+04 / 52
p0 0.007325 ± 7.463e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

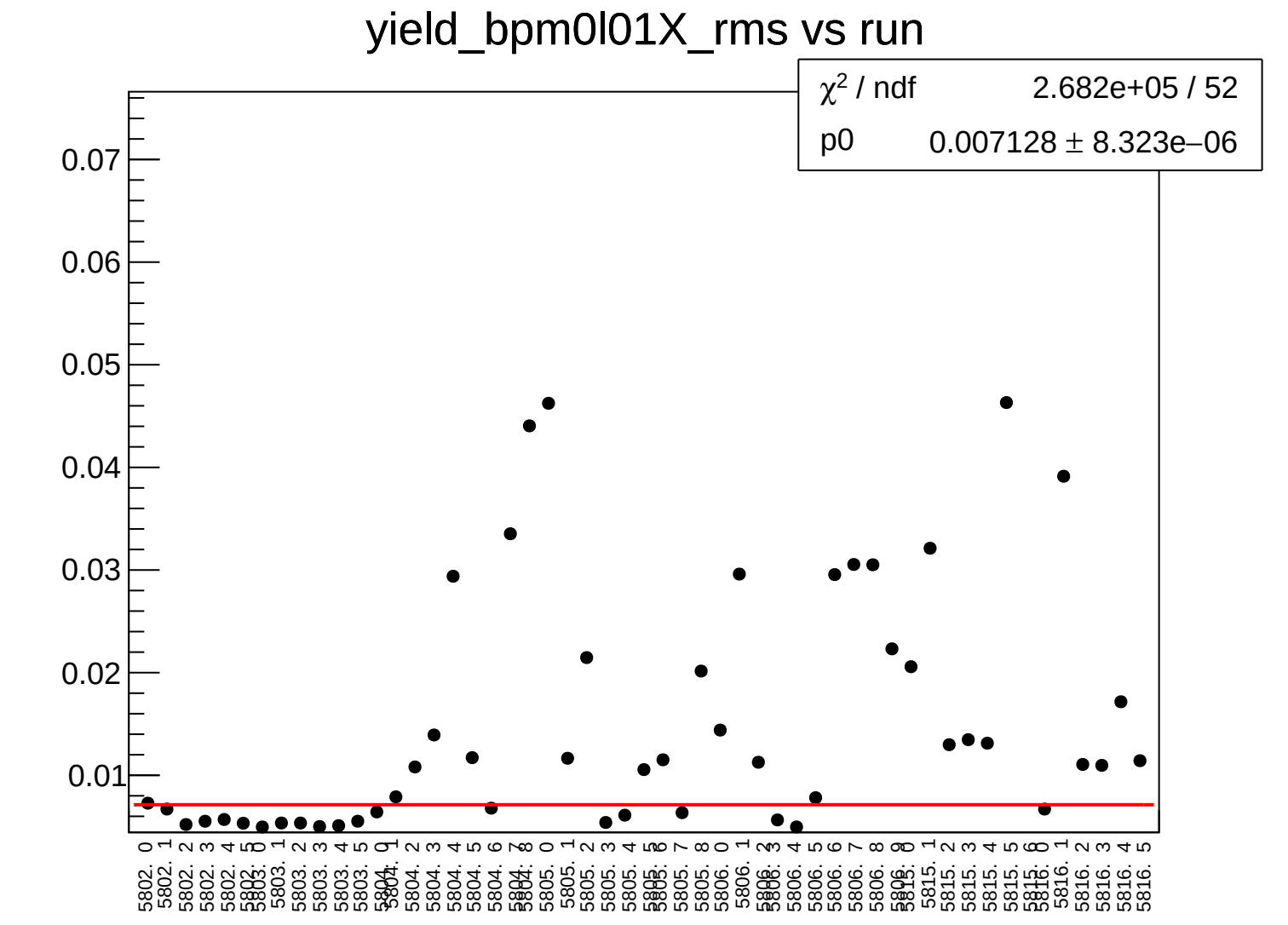

yield_bpm0i01aY_mean vs run
χ² / ndf 3.52e+06 / 52
p0 1.61 ± 3.207e−06
1.63
1.625
1.62
1.615
1.61
1.605
1.6
pull
Entries 53
Mean 2264
Std Dev 0
600
400
200
0
−200

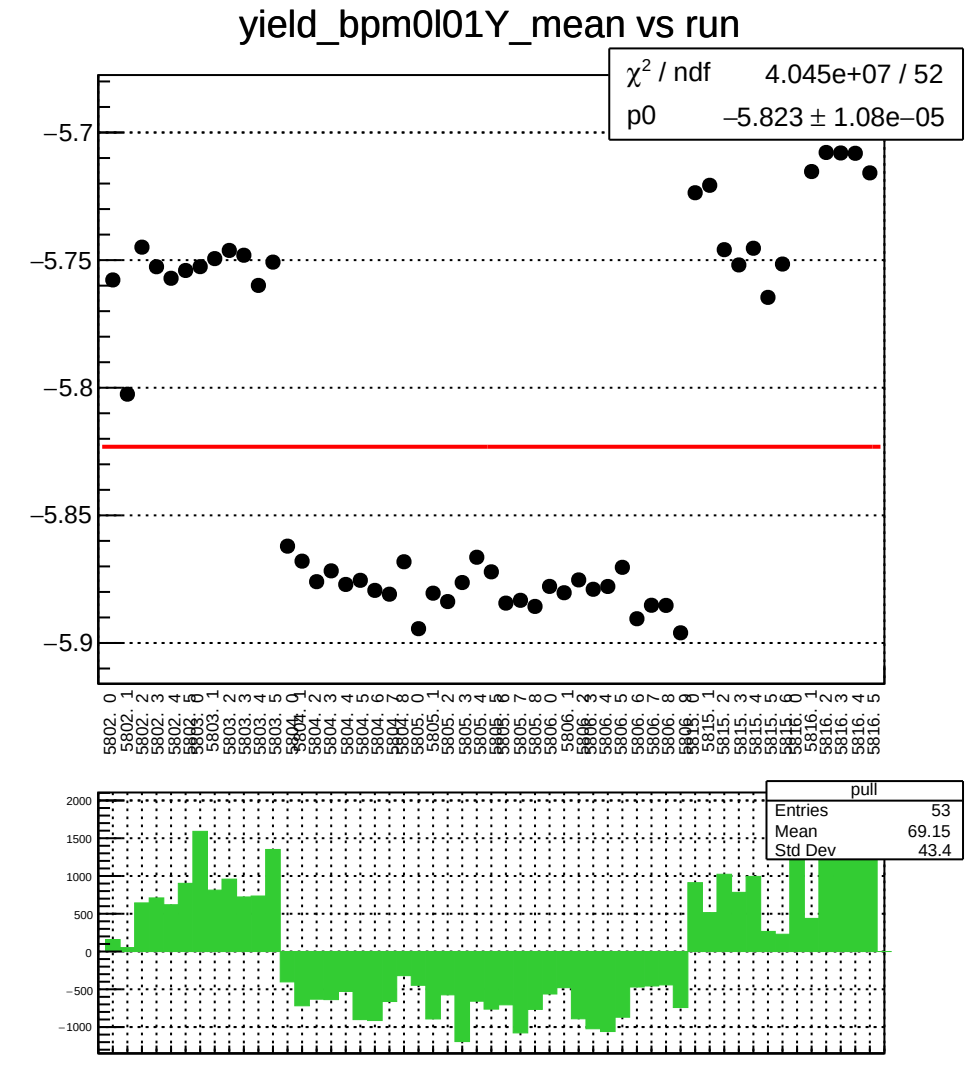

pull1D
Entries 53
Mean 1.06
Std Dev 6.672
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

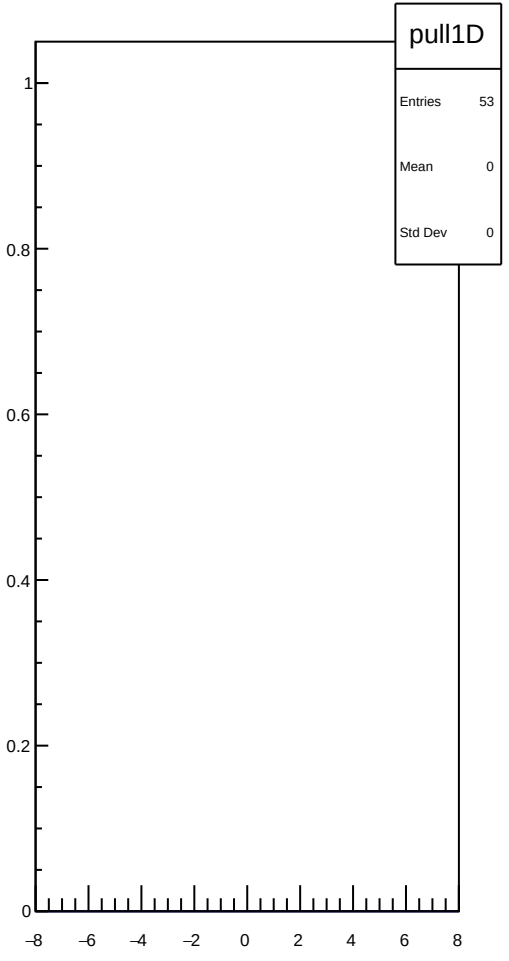

yield_bpm0i01aY_rms vs run
χ² / ndf 8.451e+04 / 52
p0 0.002172 ± 2.268e−06
0.012
0.01
0.008
0.006
0.004
0.002

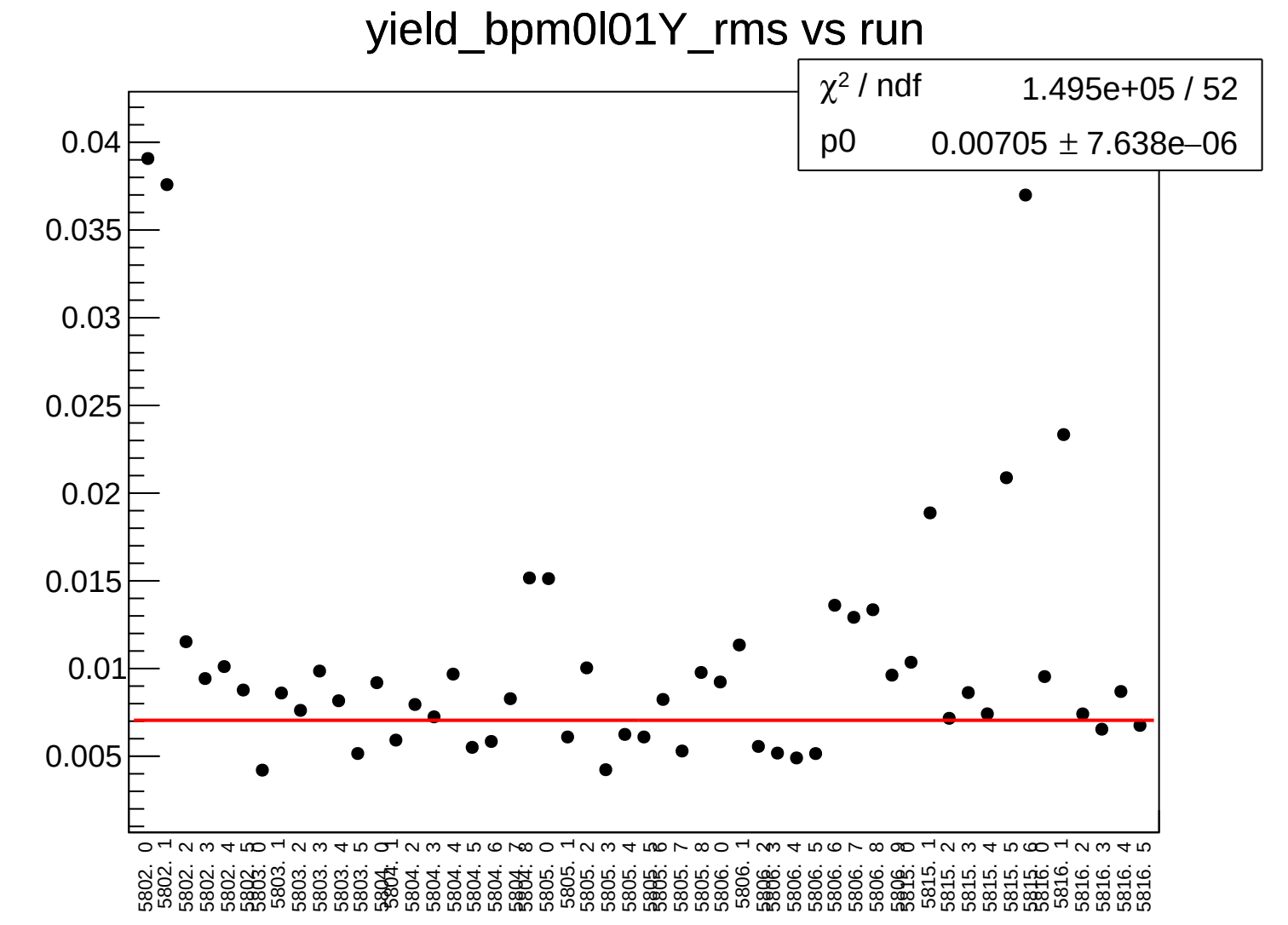

yield_bpm0l01X_mean vs run
χ² / ndf 5.836e+07 / 52
p0 −2.246 ± 1.177e−05
pull
Entries 53
Mean 77.79
Std Dev 0

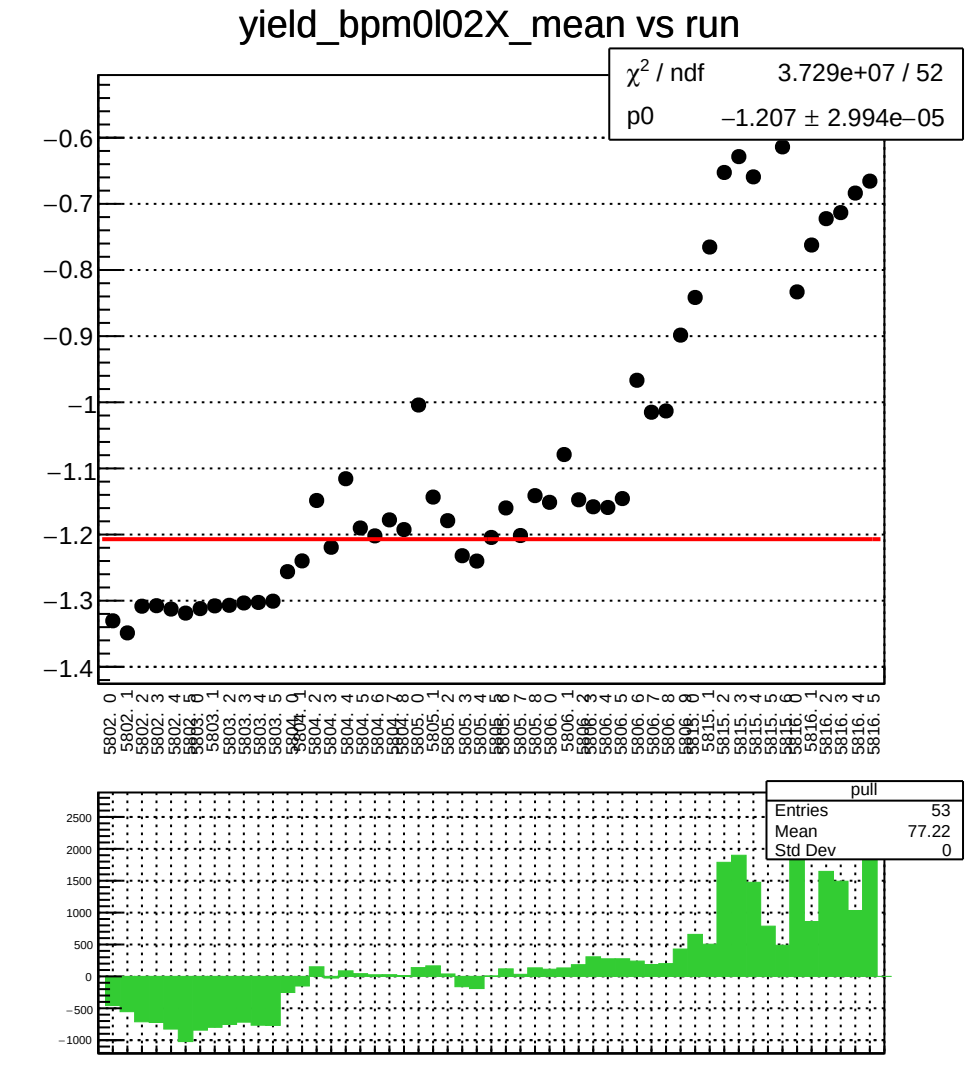

pull1D
Entries 53
Mean −2.598
Std Dev 2.607

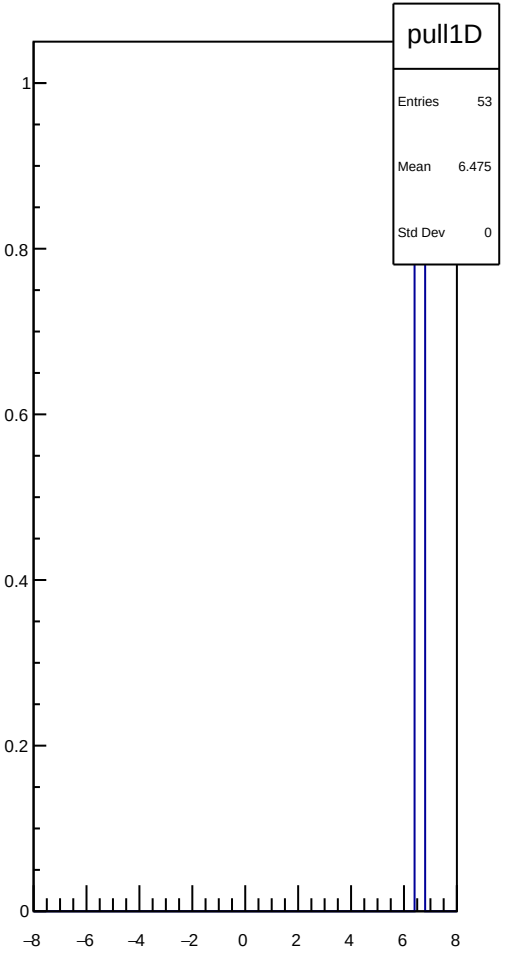

yield_bpm0l01X_rms vs run
χ² / ndf 2.682e+05 / 52
p0 0.007128 ± 8.323e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

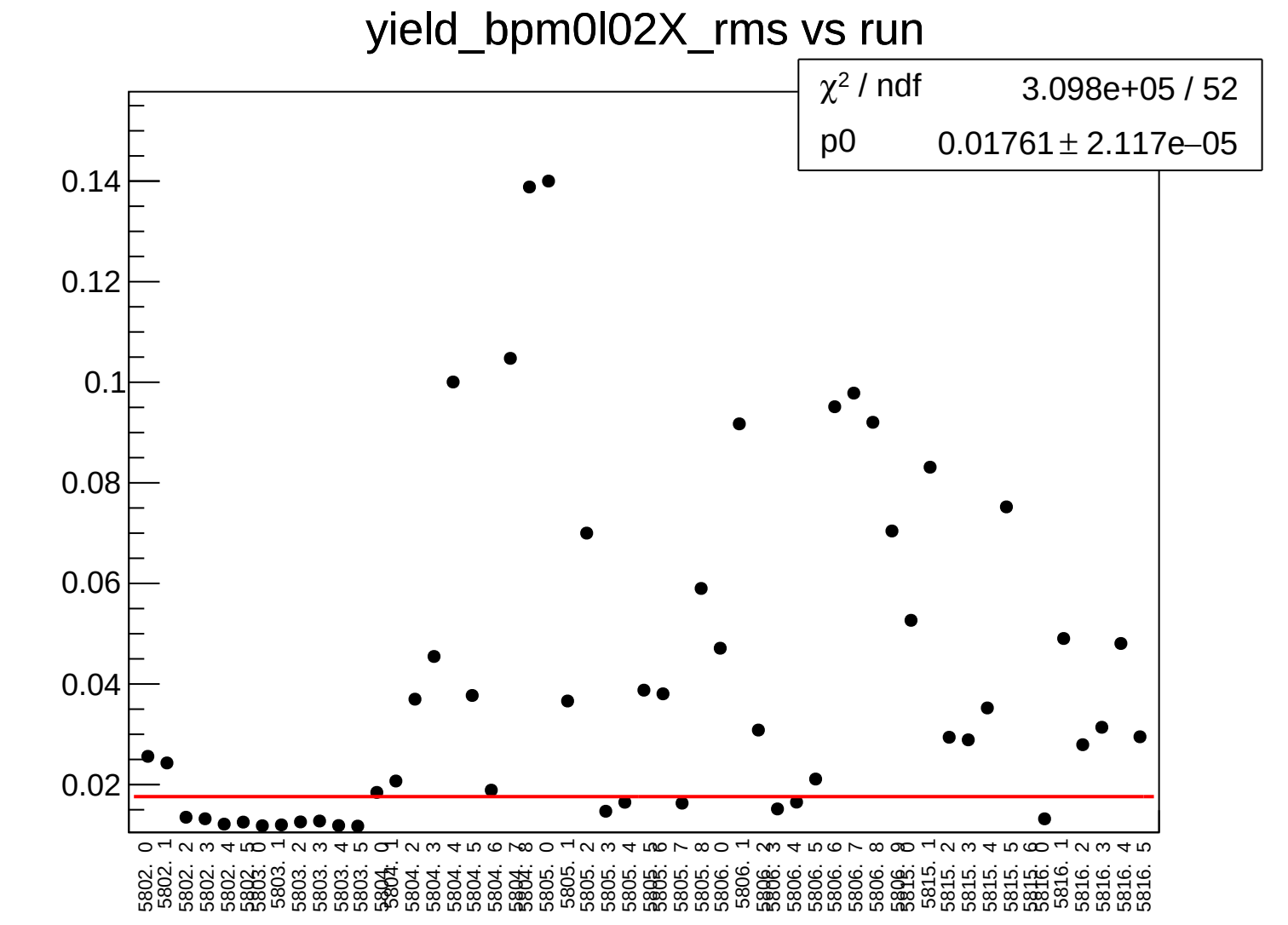

yield_bpm0l01Y_mean vs run
χ² / ndf 4.045e+07 / 52
p0 −5.823 ± 1.08e−05
−5.7
−5.75
−5.8
−5.85
−5.9
pull
Entries 53
Mean 69.15
Std Dev 43.4
2000
1500
1000
500
0
−500
−1000

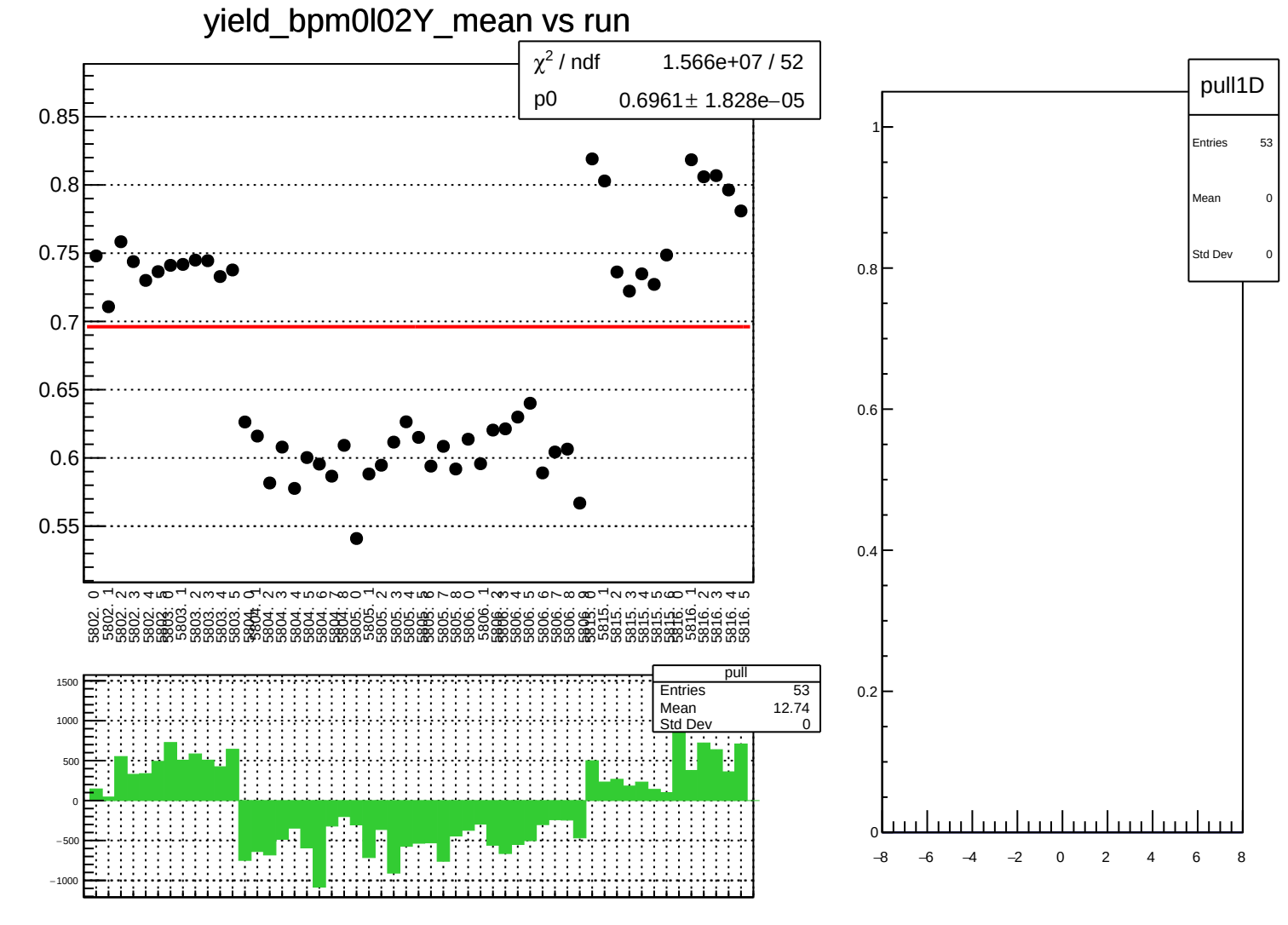

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

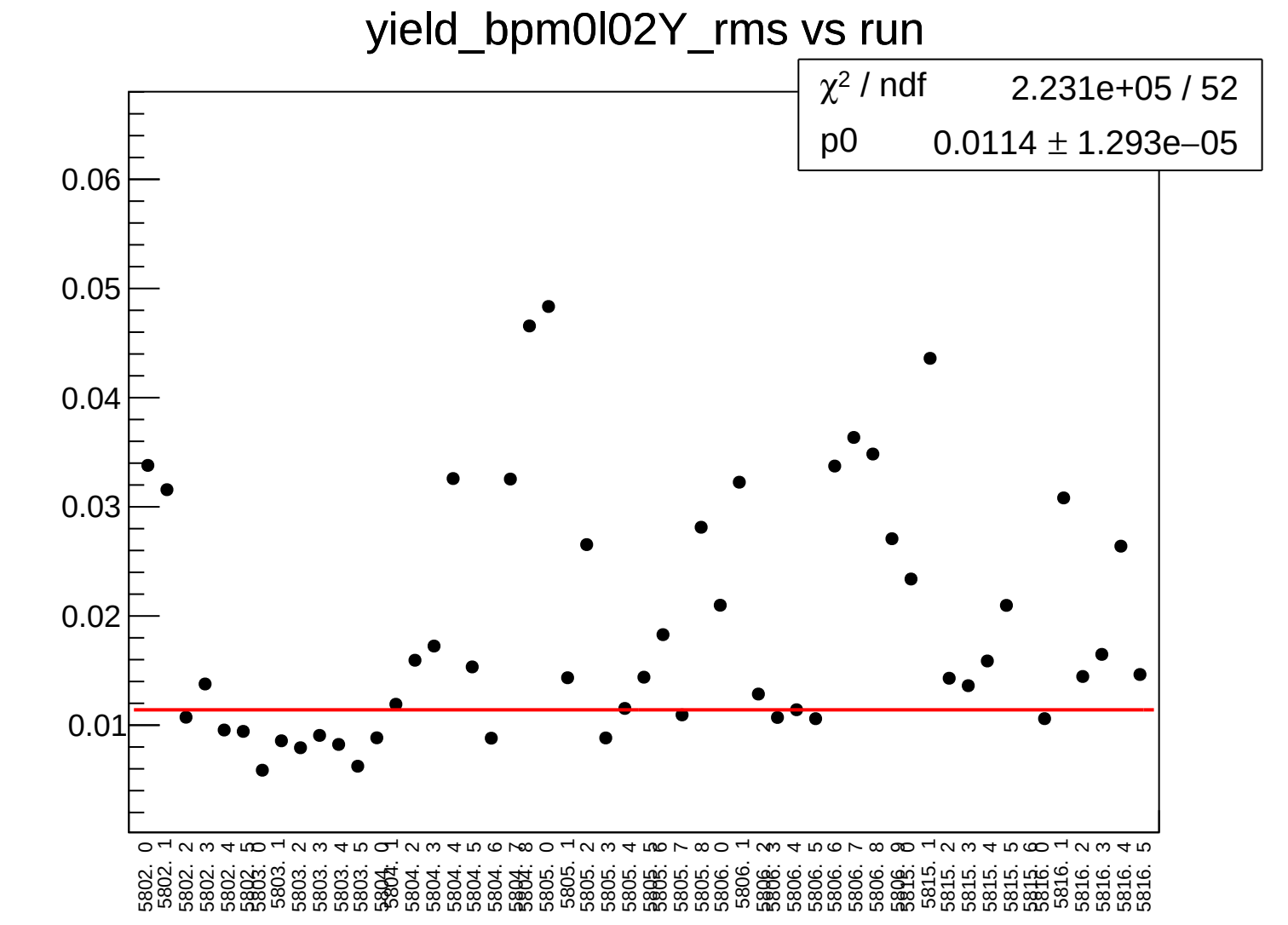

yield_bpm0l01Y_rms vs run
χ² / ndf 1.495e+05 / 52
p0 0.00705 ± 7.638e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

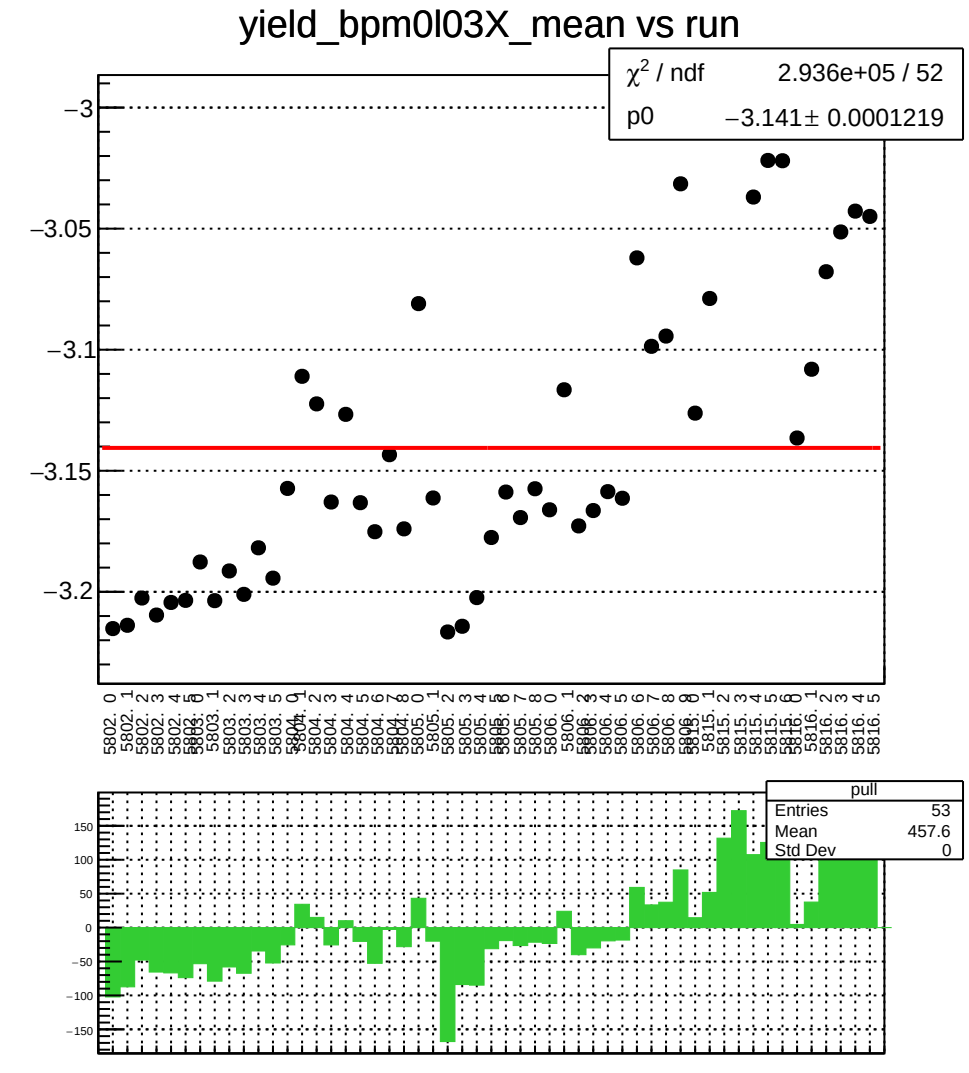

yield_bpm0l02X_mean vs run
χ² / ndf 3.729e+07 / 52
p0 −1.207 ± 2.994e−05
pull
Entries 53
Mean 77.22
Std Dev 0

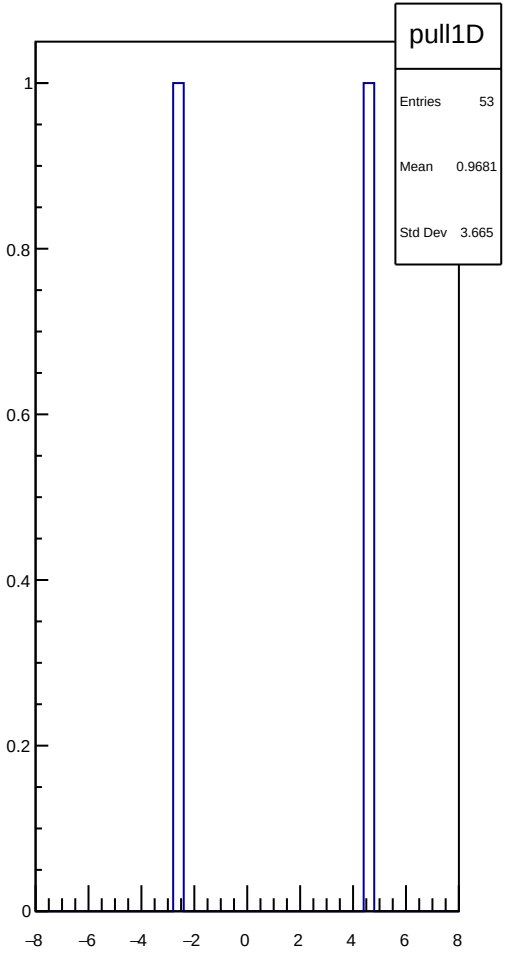

pull1D
Entries 53
Mean 6.475
Std Dev 0

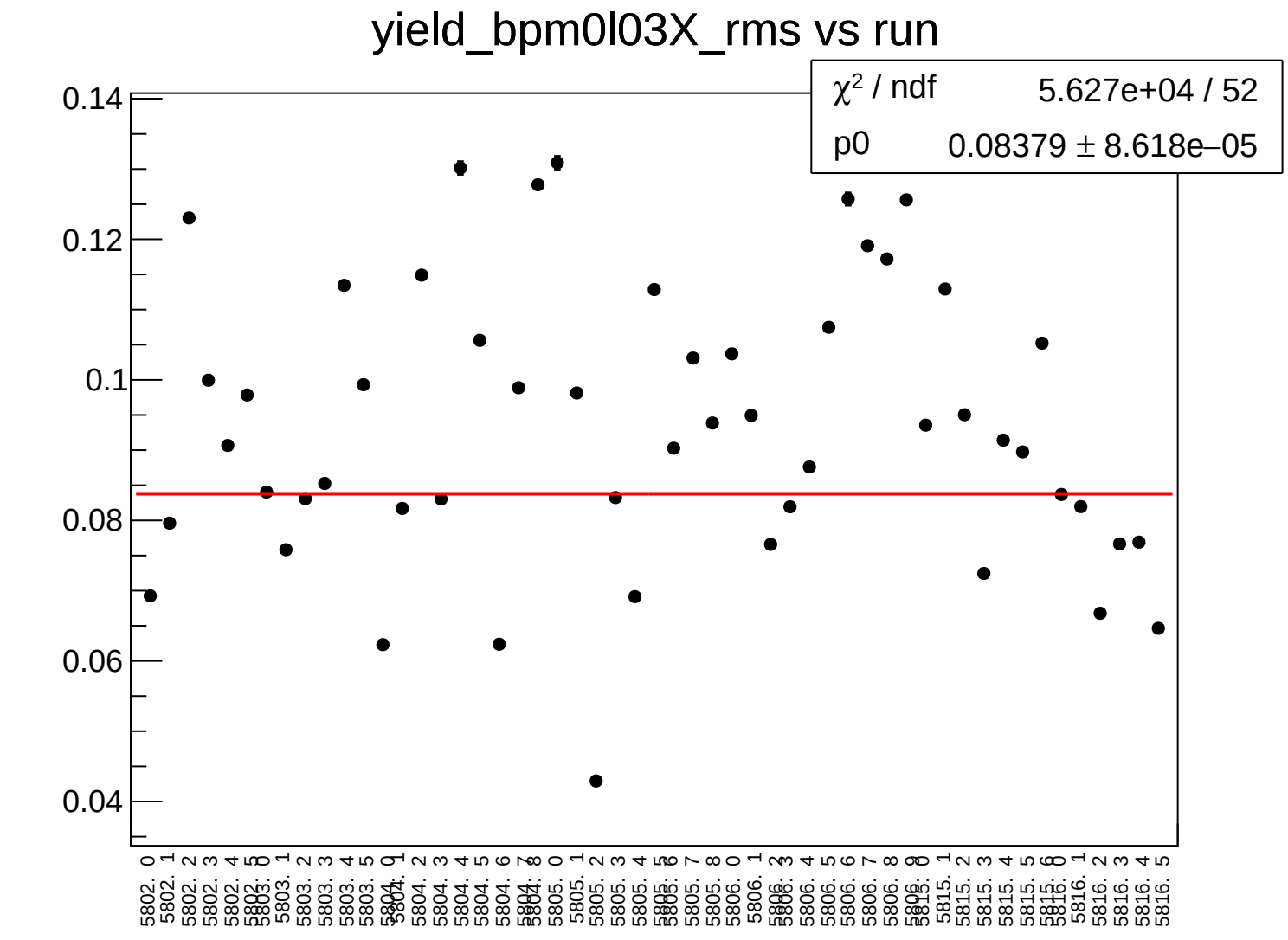

yield_bpm0l02X_rms vs run
χ² / ndf 3.098e+05 / 52
p0 0.01761 ± 2.117e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

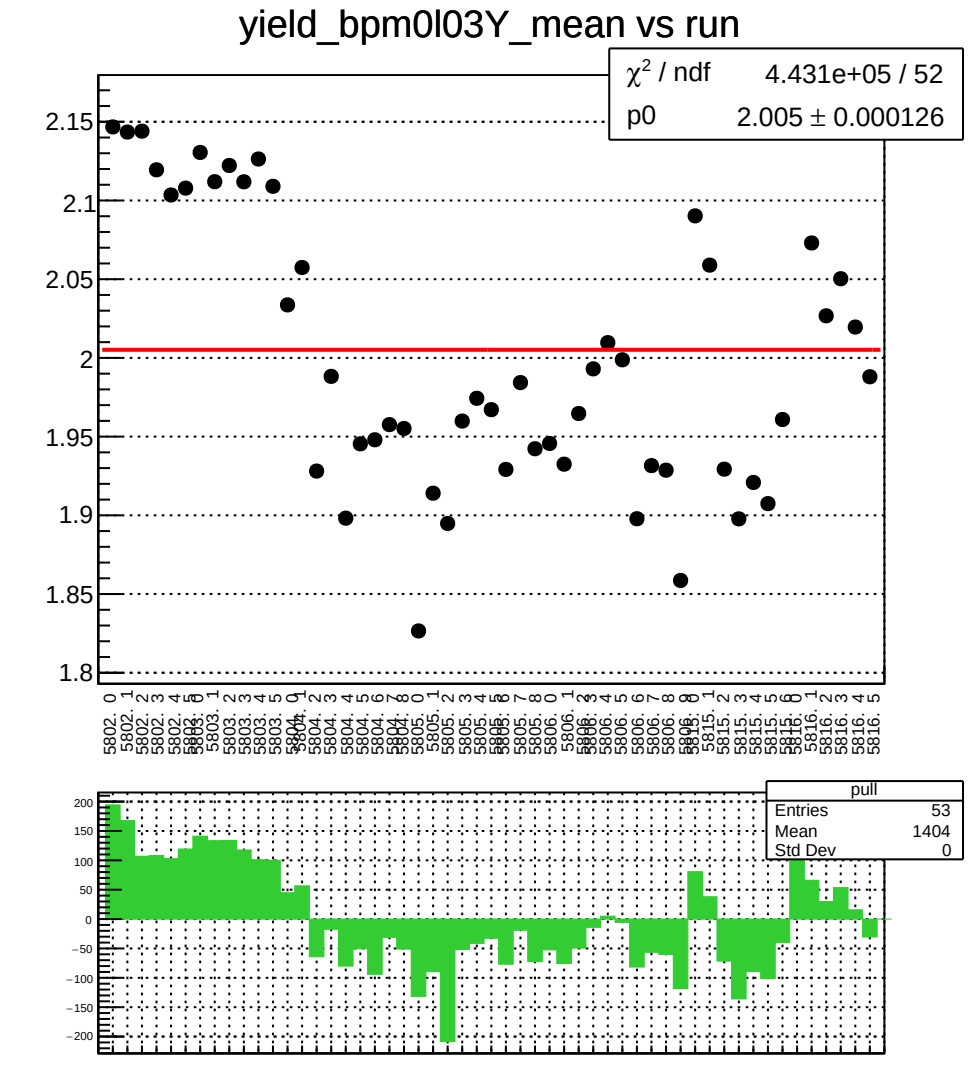

yield_bpm0l02Y_mean vs run
χ² / ndf 1.566e+07 / 52
p0 0.6961 ± 1.828e−05
pull
Entries 53
Mean 12.74
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0

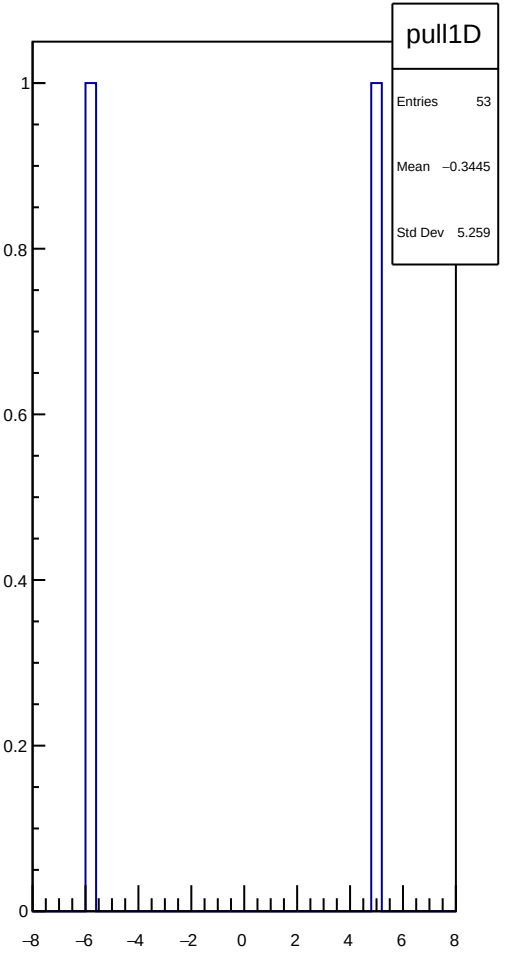

yield_bpm0l02Y_rms vs run
χ² / ndf 2.231e+05 / 52
p0 0.0114 ± 1.293e−05
0.06
0.05
0.04
0.03
0.02
0.01

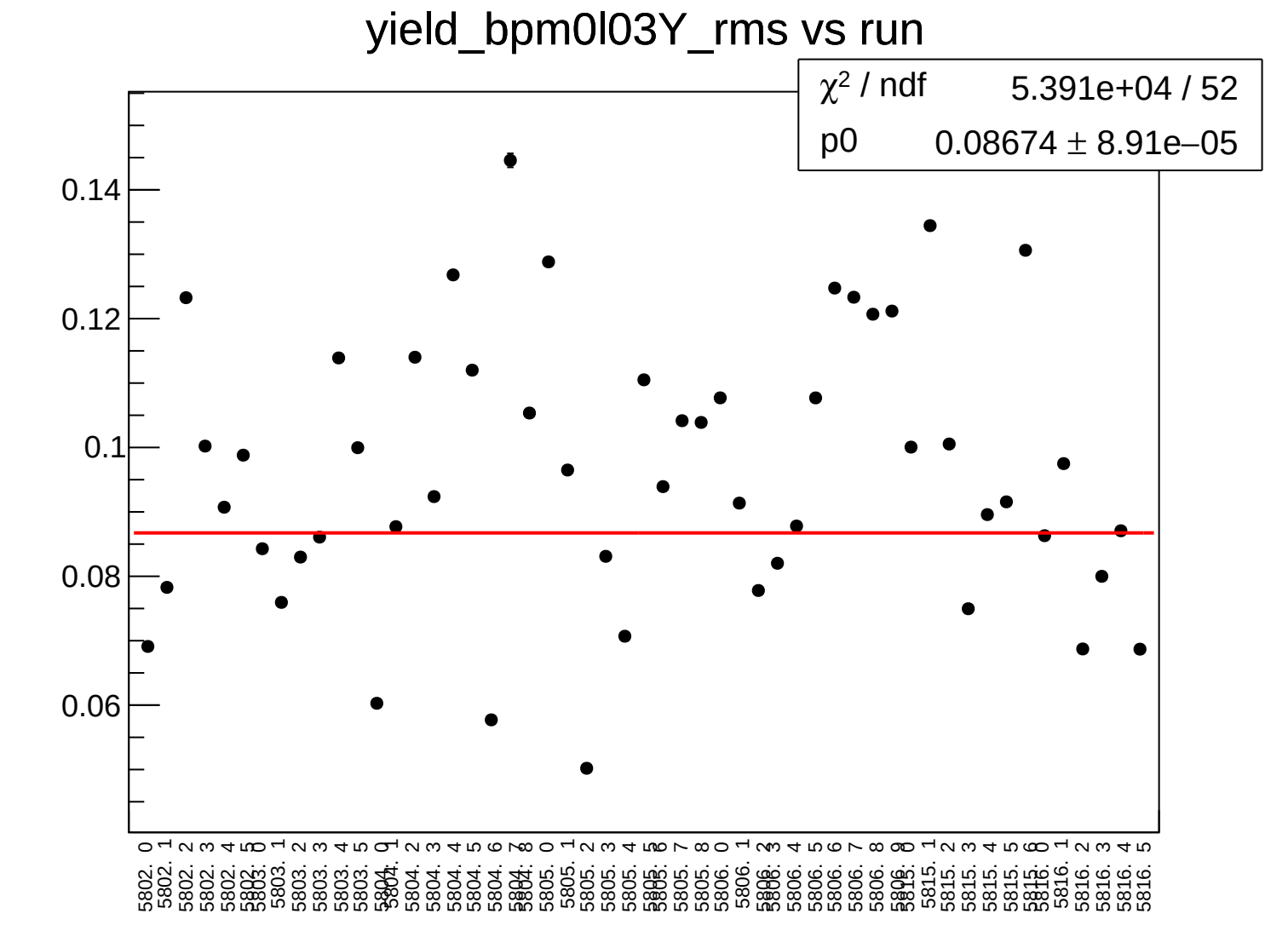

yield_bpm0l03X_mean vs run
χ² / ndf 2.936e+05 / 52
p0 −3.141± 0.0001219
−3
−3.05
−3.1
−3.15
−3.2
pull
Entries 53
Mean 457.6
Std Dev 0
150
100
50
0
−50
−100
−150

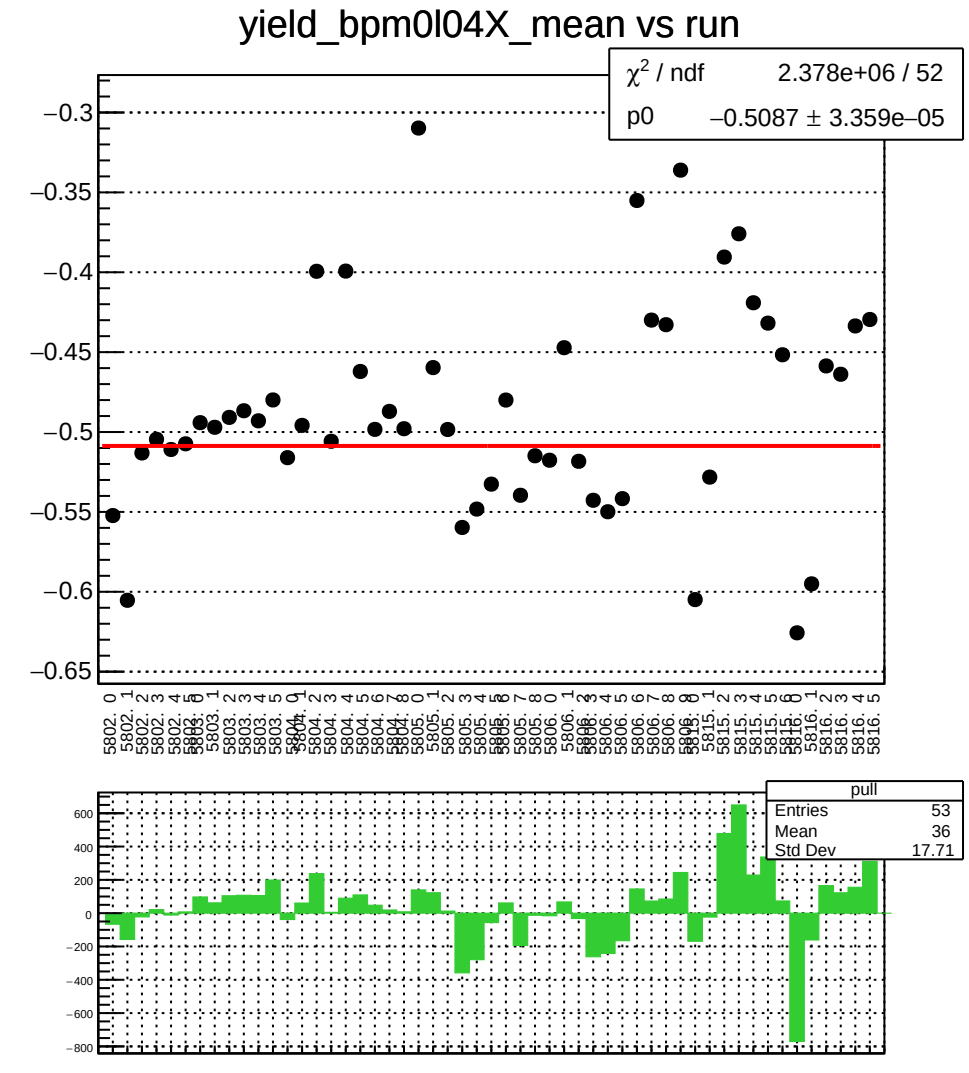

pull1D
Entries 53
Mean 0.9681
Std Dev 3.665
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

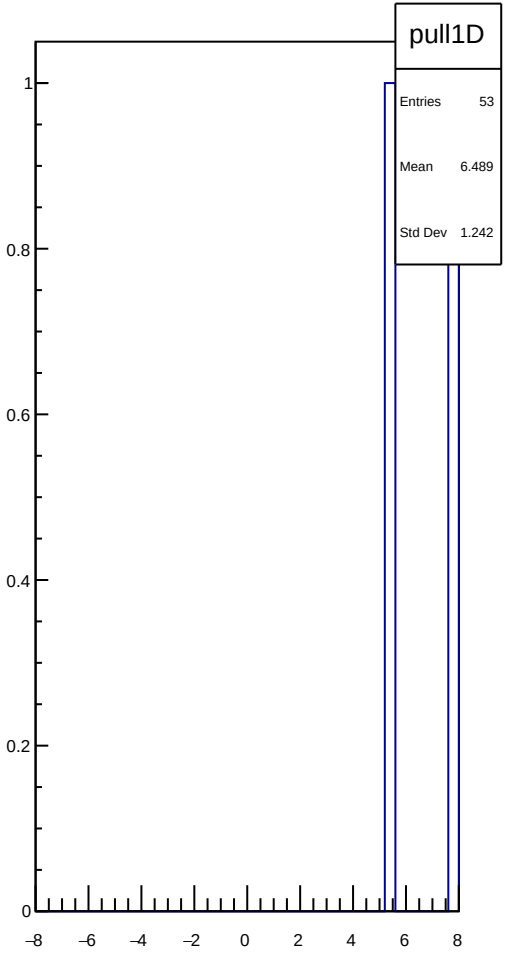

yield_bpm0l03X_rms vs run
χ² / ndf 5.627e+04 / 52
p0 0.08379 ± 8.618e−05
0.14
0.12
0.1
0.08
0.06
0.04

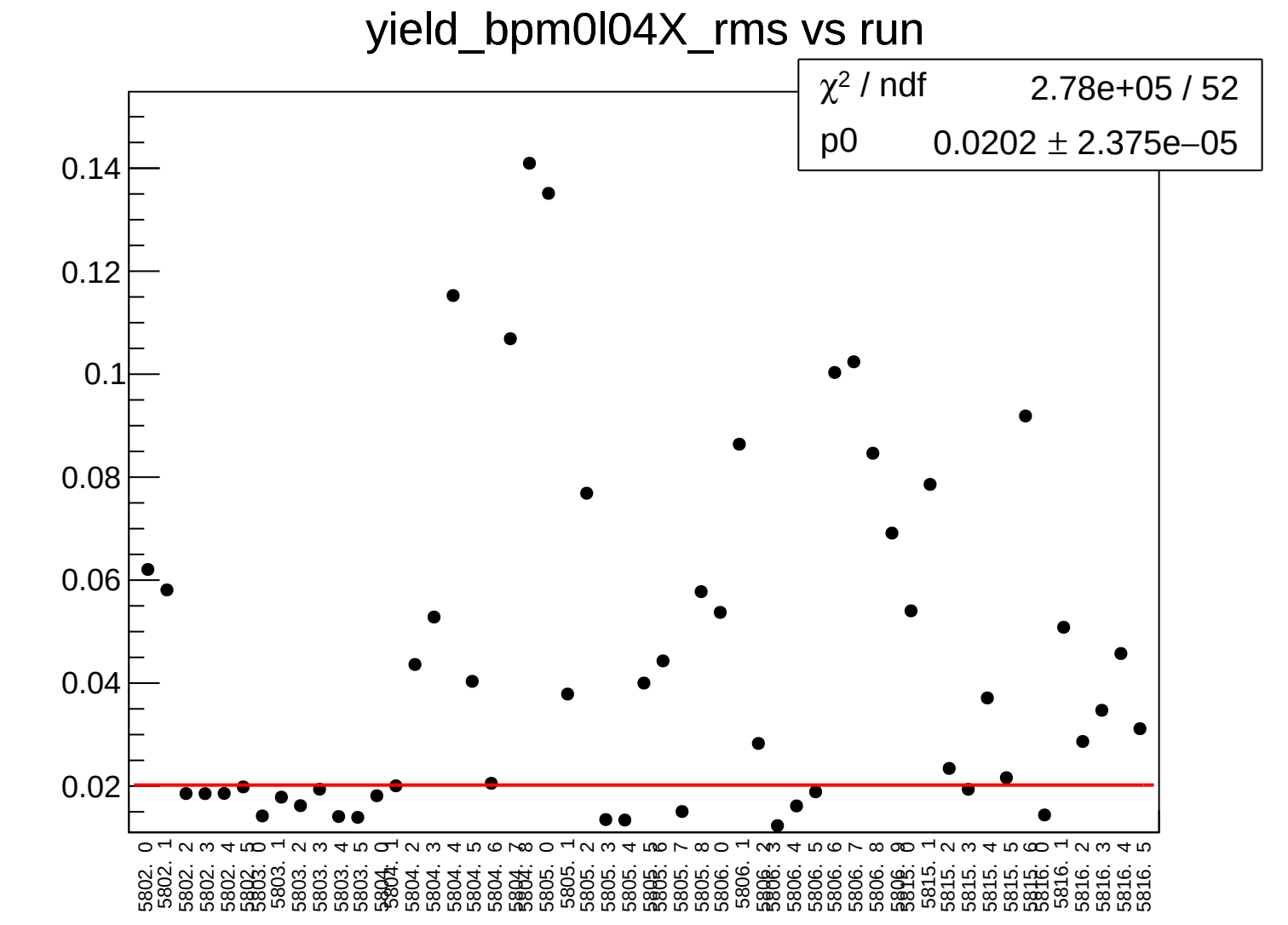

yield_bpm0l03Y_mean vs run
χ² / ndf 4.431e+05 / 52
p0 2.005 ± 0.000126
pull
Entries 53
Mean 1404
Std Dev 0

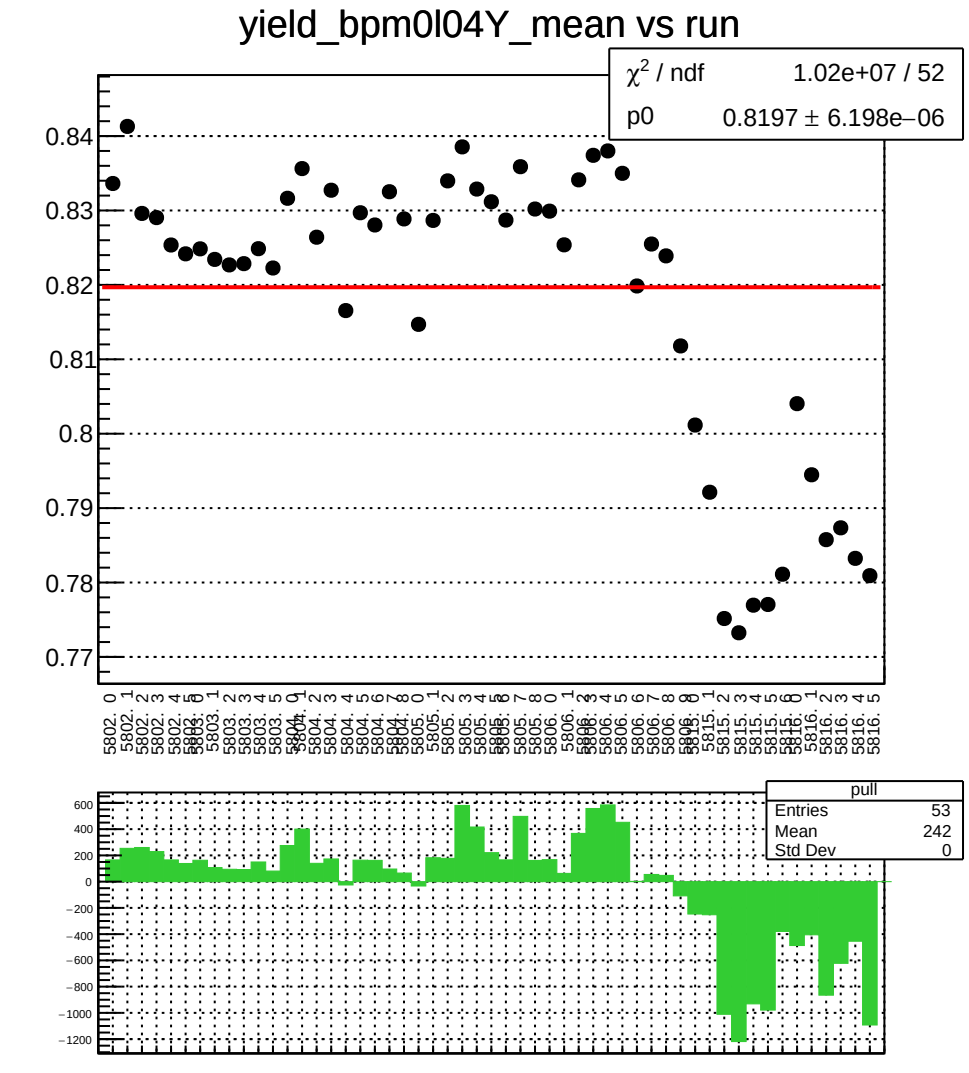

pull1D
Entries 53
Mean −0.3445
Std Dev 5.259

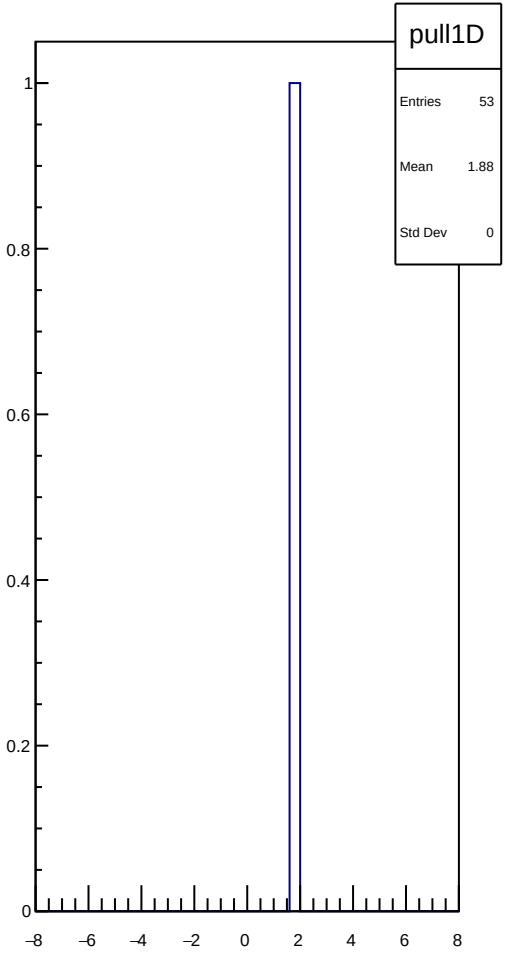

yield_bpm0l03Y_rms vs run
χ² / ndf 5.391e+04 / 52
p0 0.08674 ± 8.91e−05
0.14
0.12
0.1
0.08
0.06

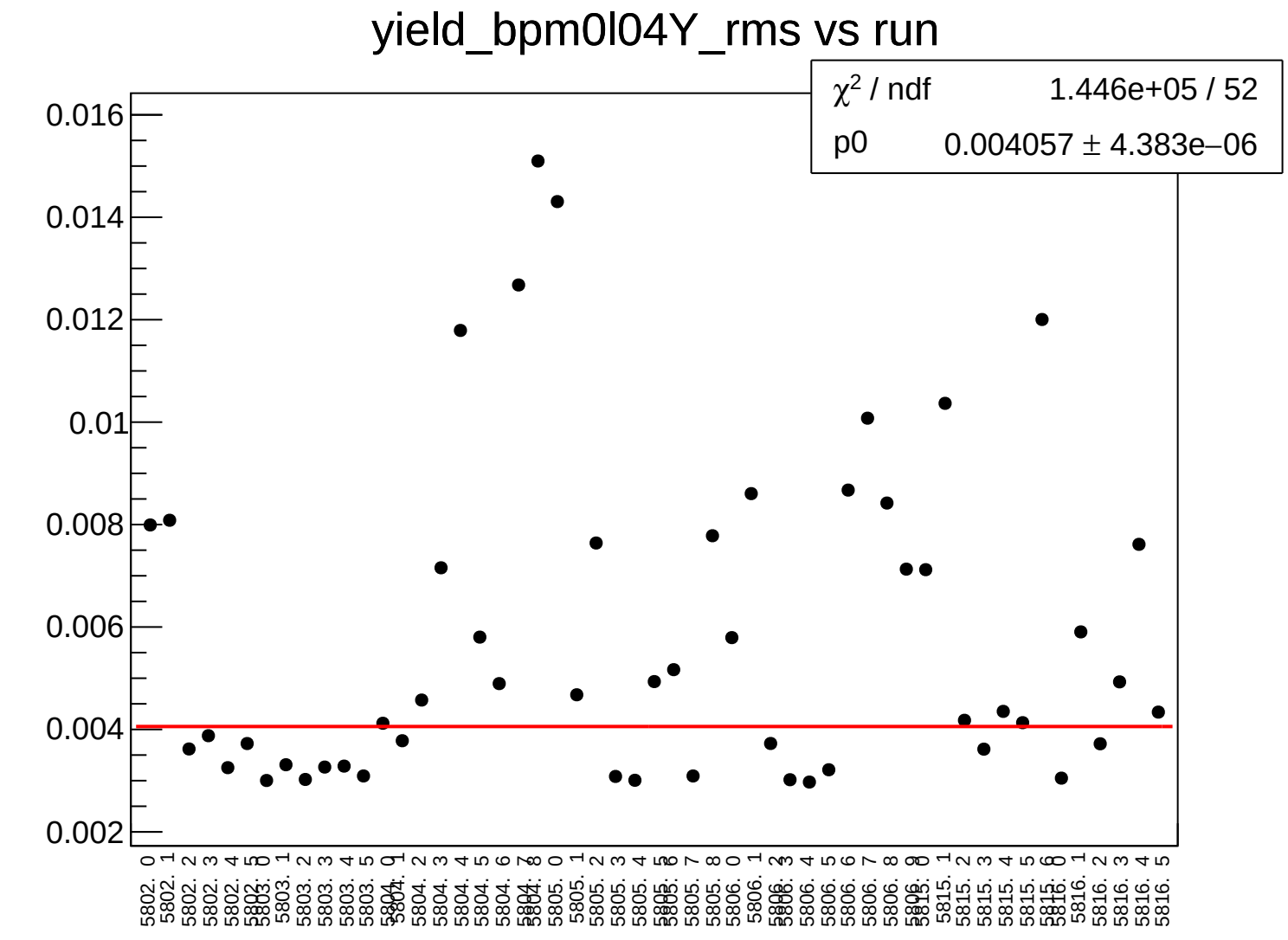

yield_bpm0l04X_mean vs run
χ² / ndf 2.378e+06 / 52
p0 −0.5087 ± 3.359e−05
pull
Entries 53
Mean 36
Std Dev 17.71

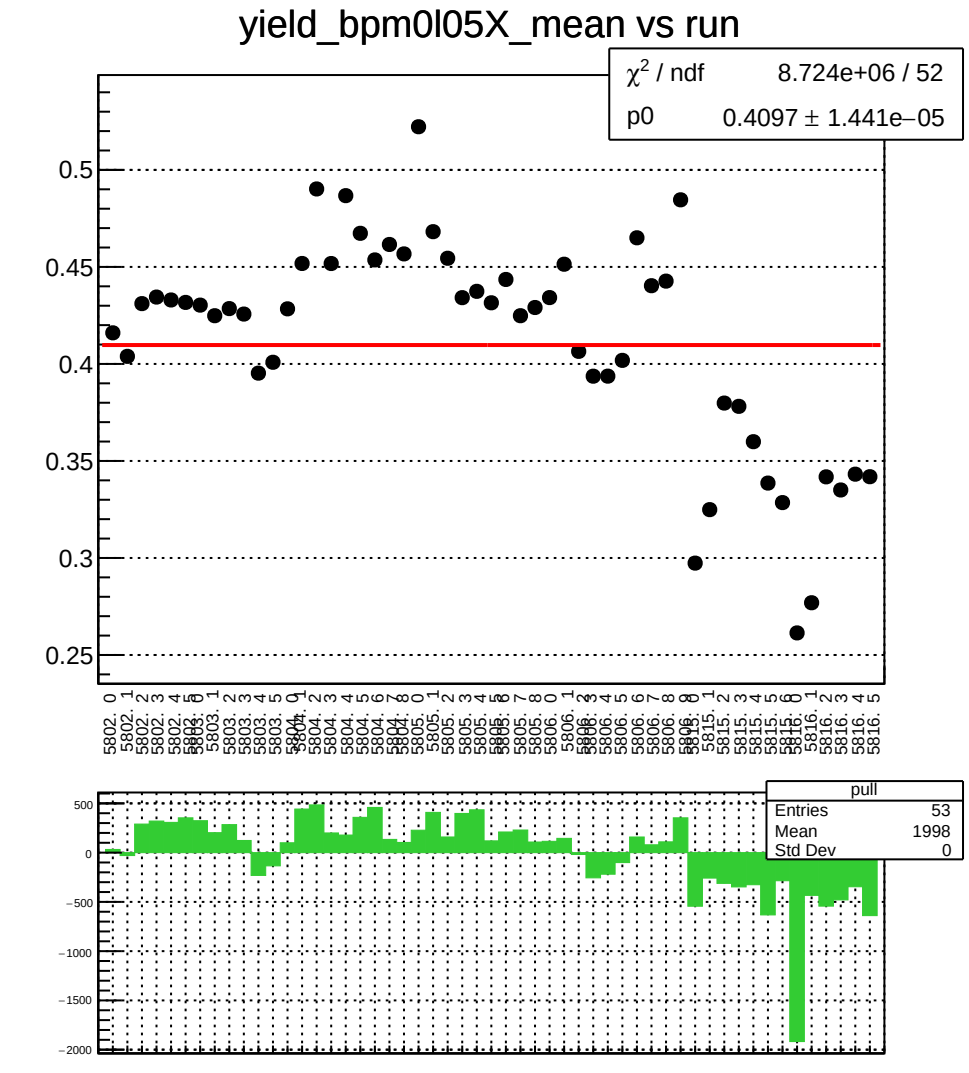

pull1D
Entries 53
Mean 6.489
Std Dev 1.242

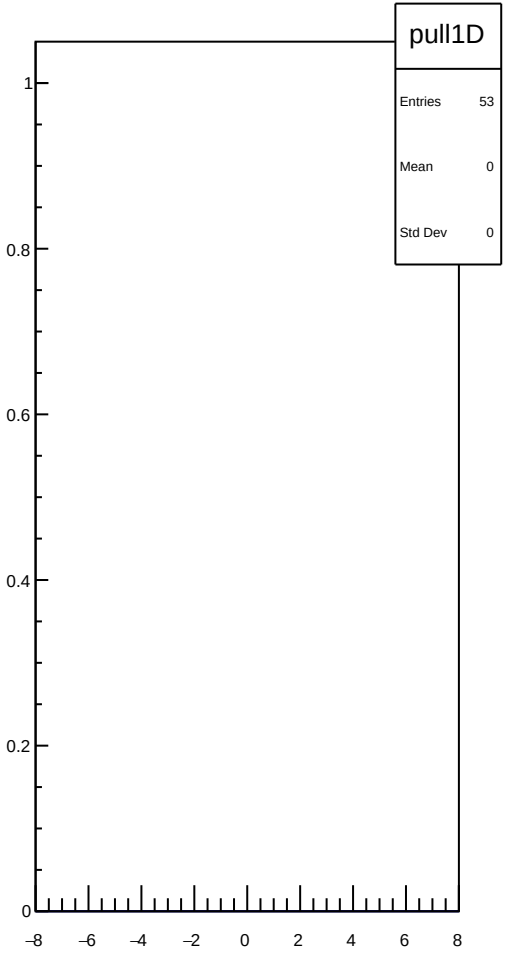

yield_bpm0l04X_rms vs run
χ² / ndf 2.78e+05 / 52
p0 0.0202 ± 2.375e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

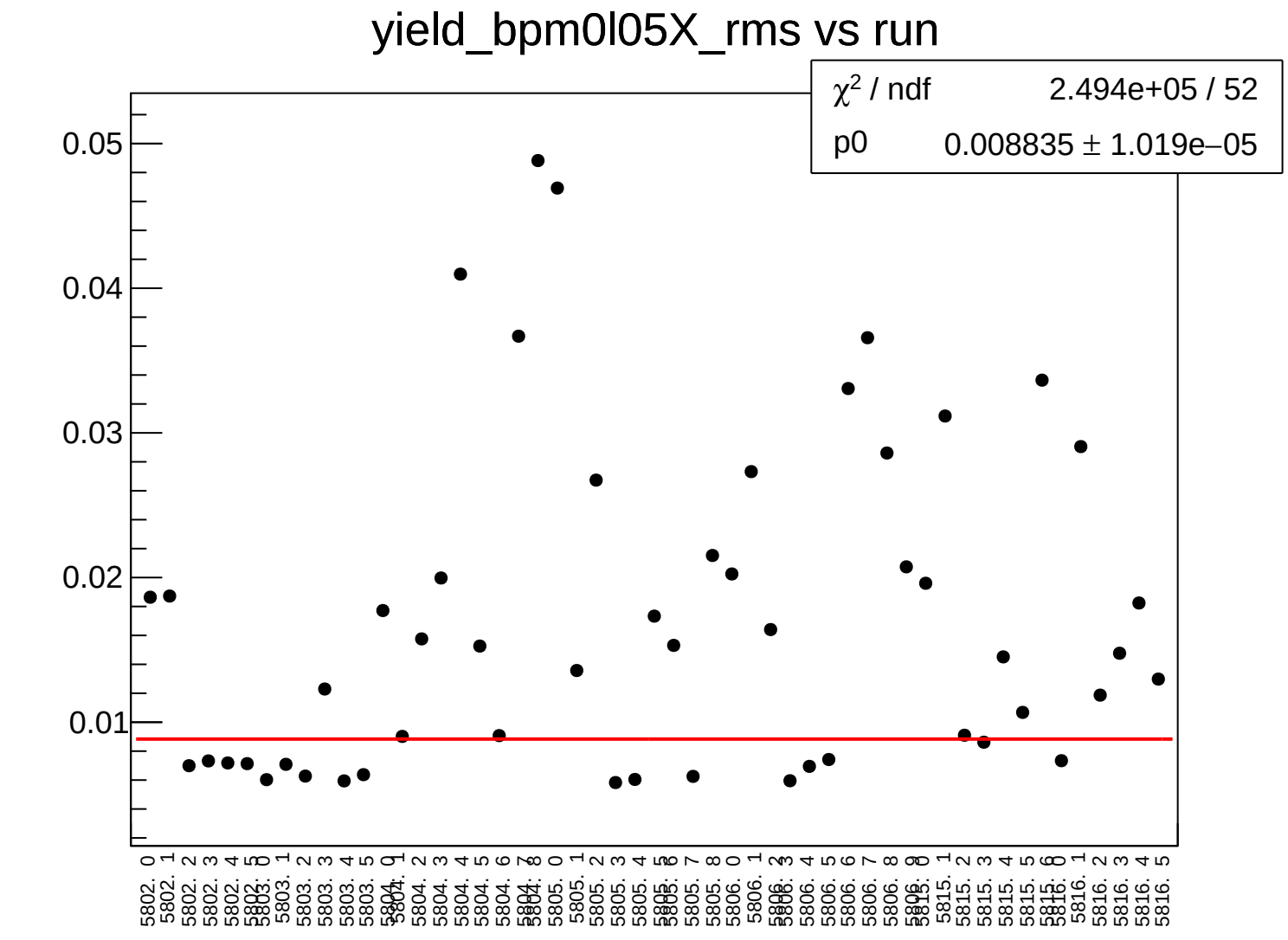

yield_bpm0l04Y_mean vs run
χ² / ndf 1.02e+07 / 52
p0 0.8197 ± 6.198e−06
0.84
0.83
0.82
0.81
0.8
0.79
0.78
0.77
pull
Entries 53
Mean 242
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200

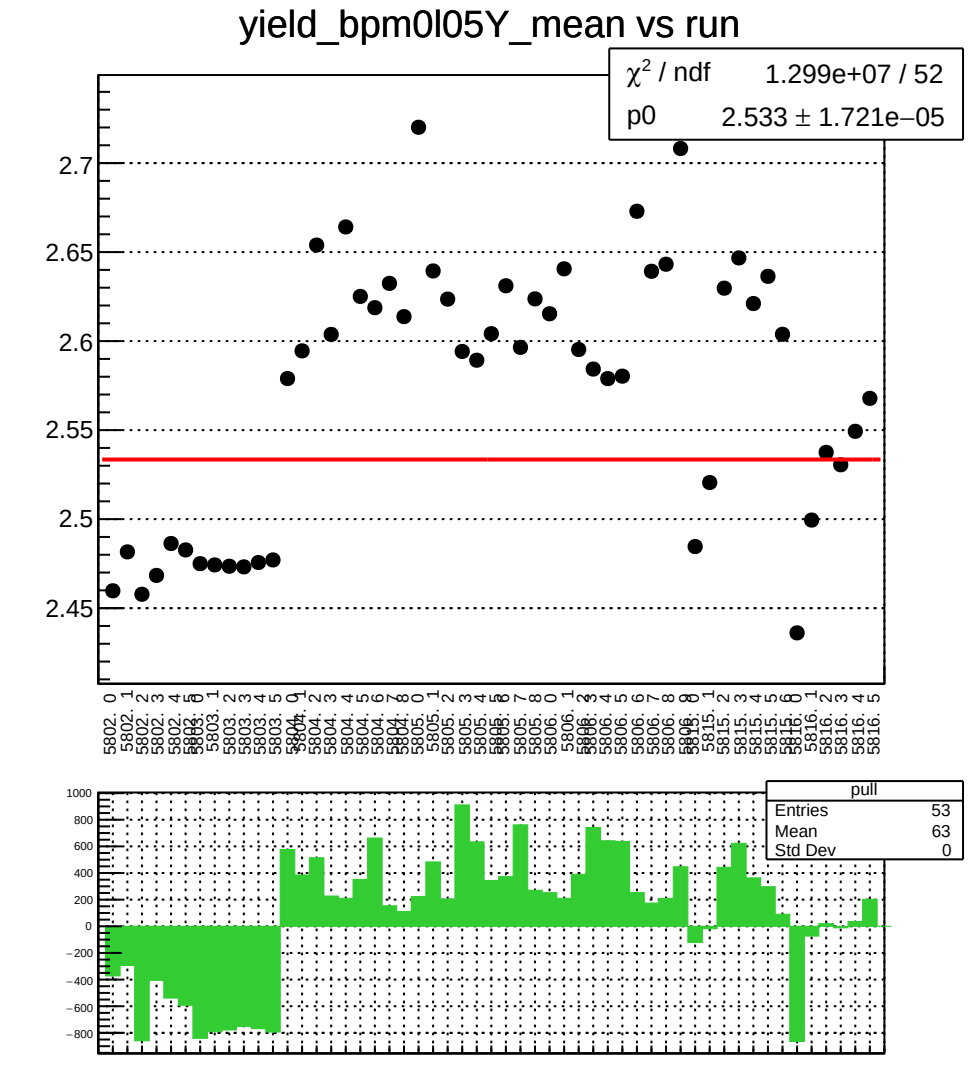

pull1D
Entries 53
Mean 1.88
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

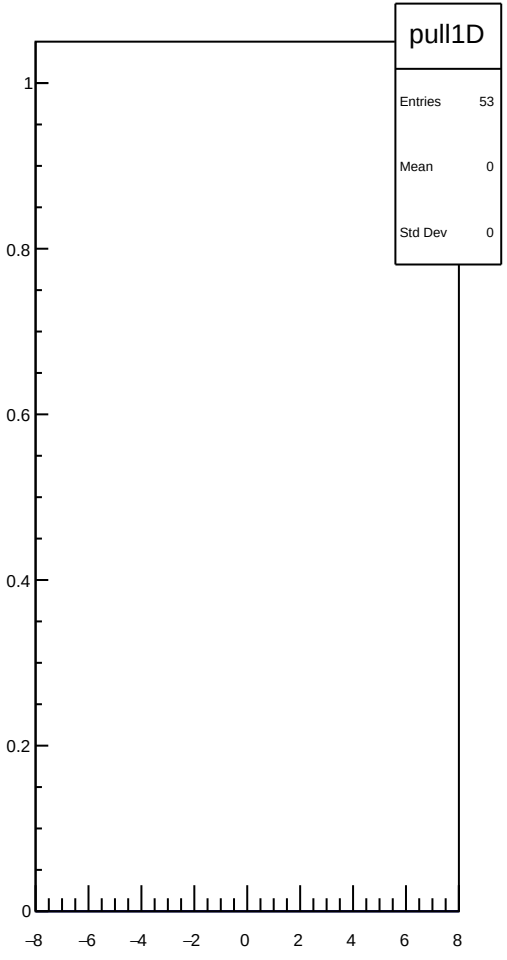

yield_bpm0l04Y_rms vs run
χ² / ndf 1.446e+05 / 52
p0 0.004057 ± 4.383e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

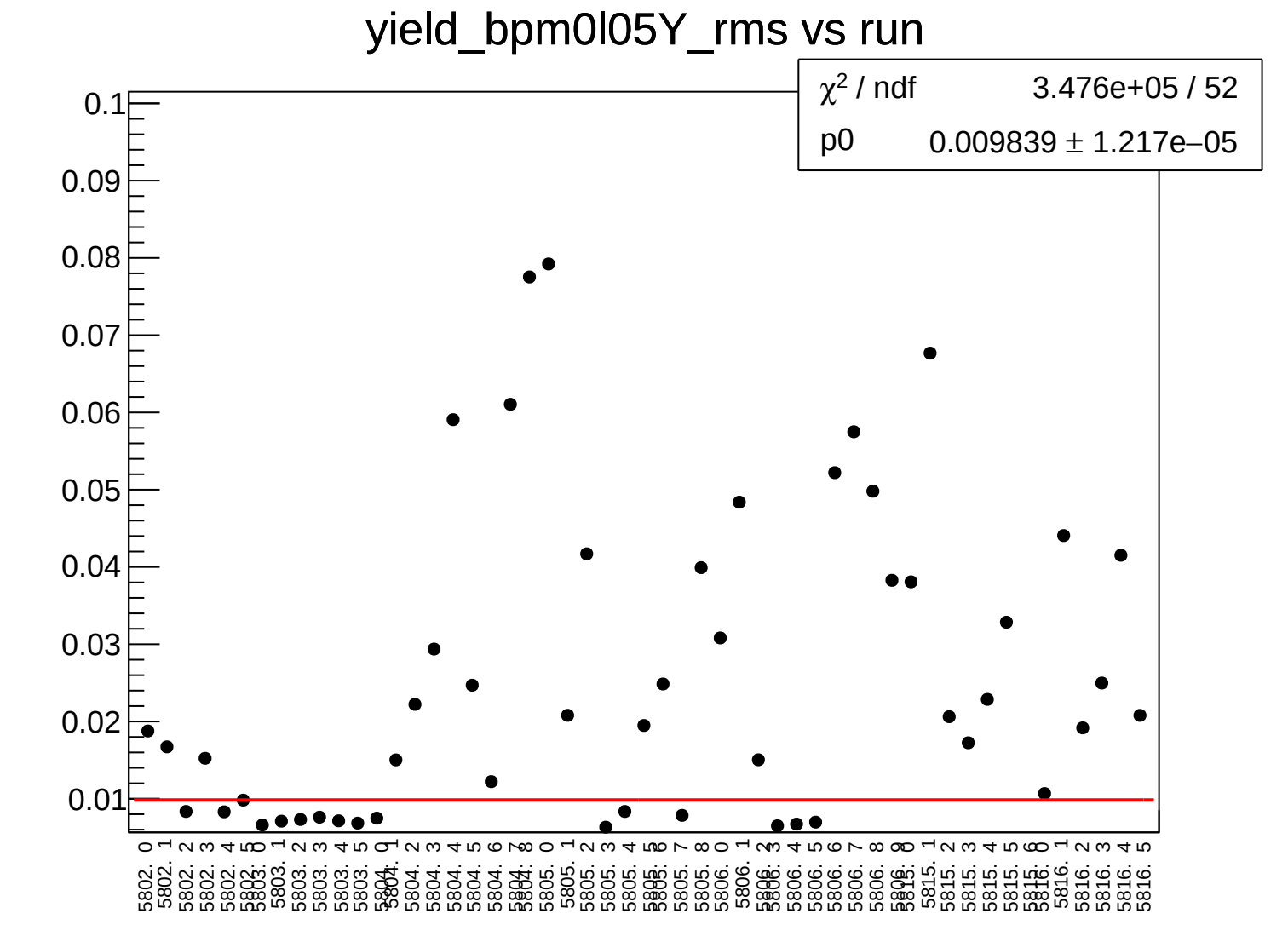

yield_bpm0l05X_mean vs run
χ² / ndf 8.724e+06 / 52
p0 0.4097 ± 1.441e−05
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 53
Mean 1998
Std Dev 0
500
0
−500
−1000
−1500
−2000

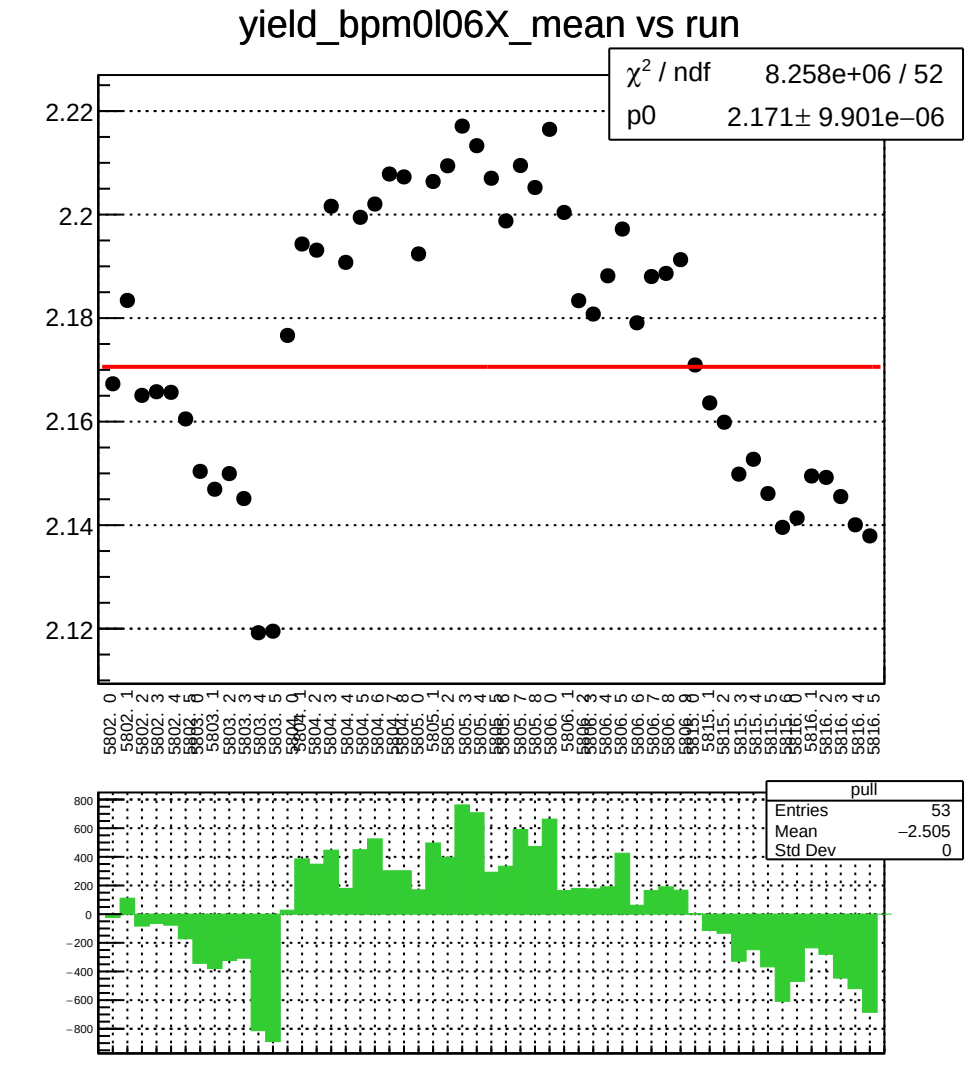

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

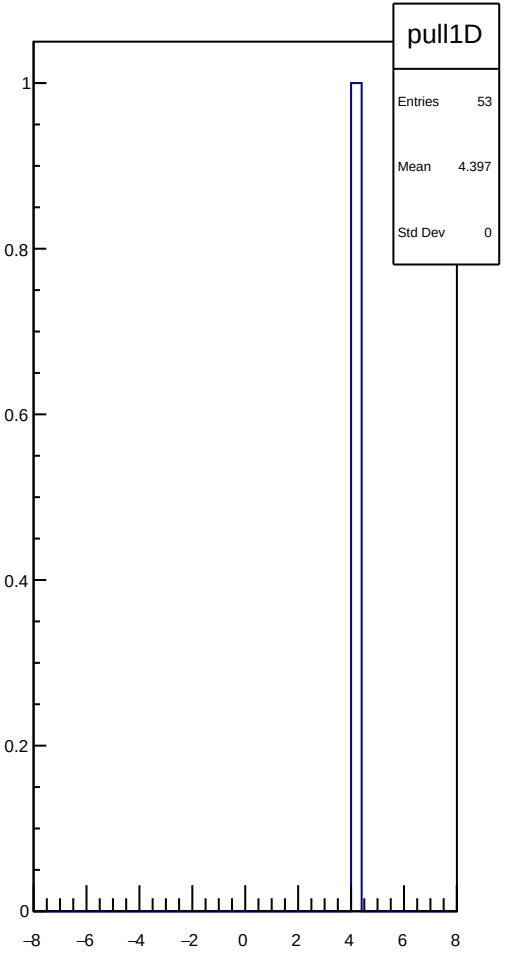

yield_bpm0l05X_rms vs run
χ² / ndf 2.494e+05 / 52
p0 0.008835 ± 1.019e−05
0.05
0.04
0.03
0.02
0.01
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

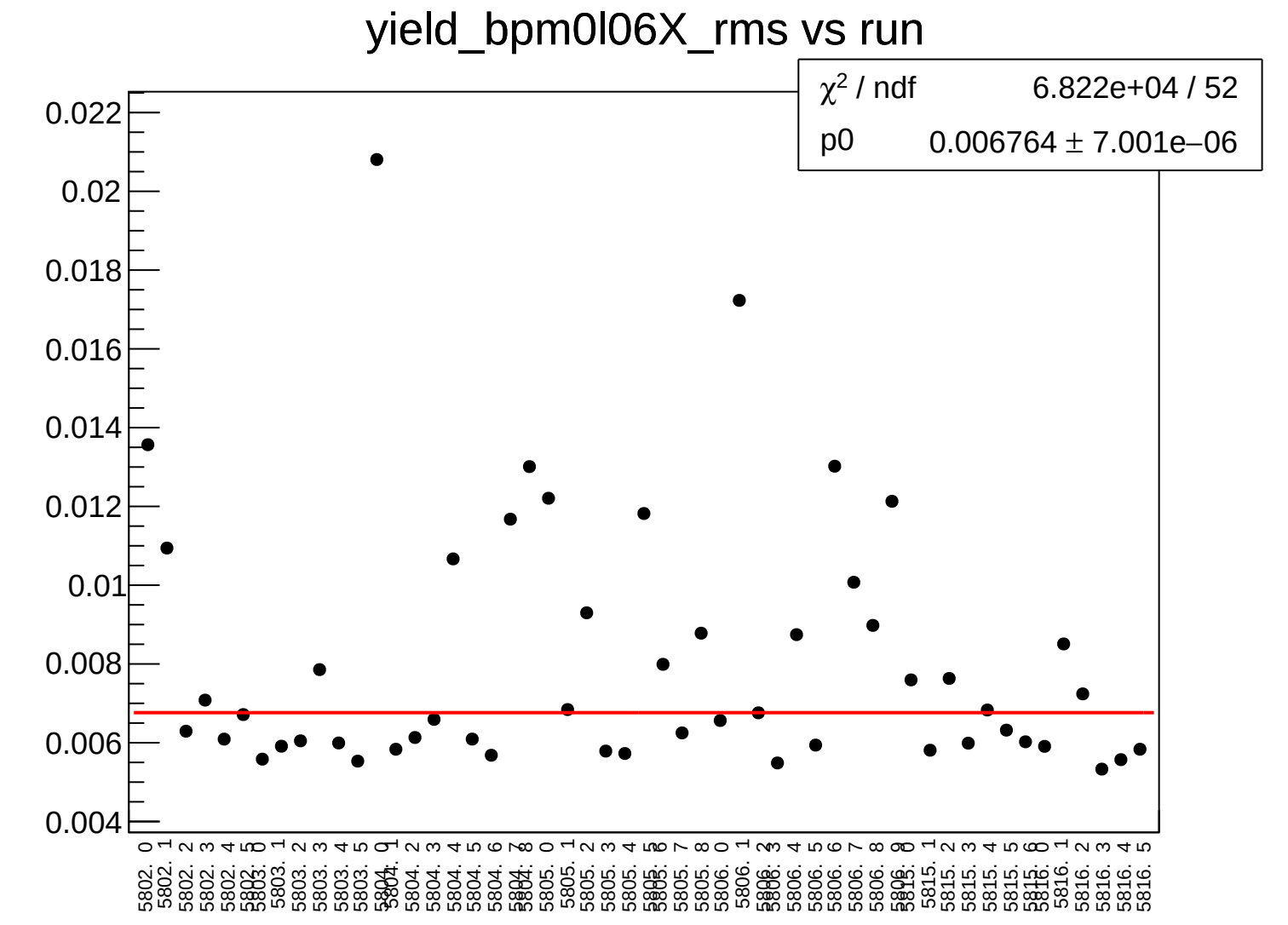

yield_bpm0l05Y_mean vs run
χ² / ndf 1.299e+07 / 52
p0 2.533 ± 1.721e−05
2.7
2.65
2.6
2.55
2.5
2.45
pull
Entries 53
Mean 63
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

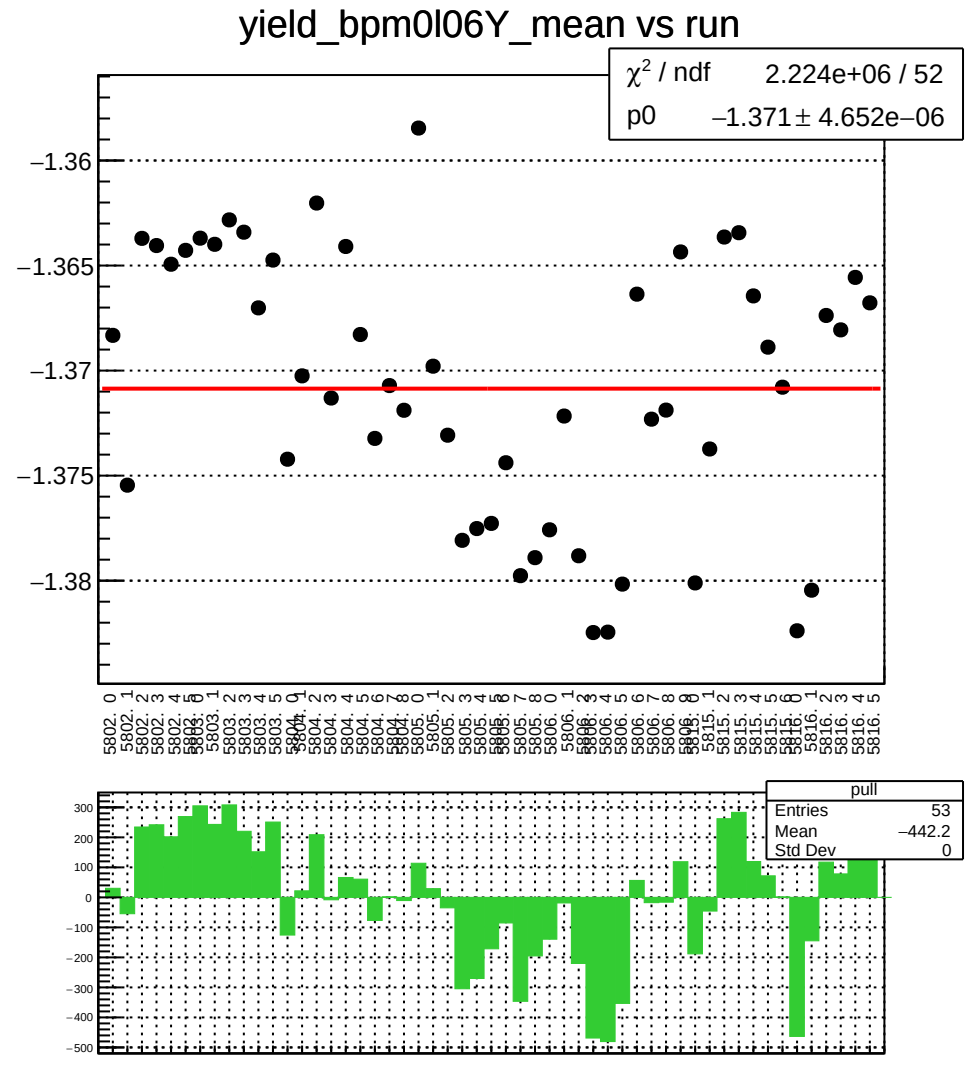

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

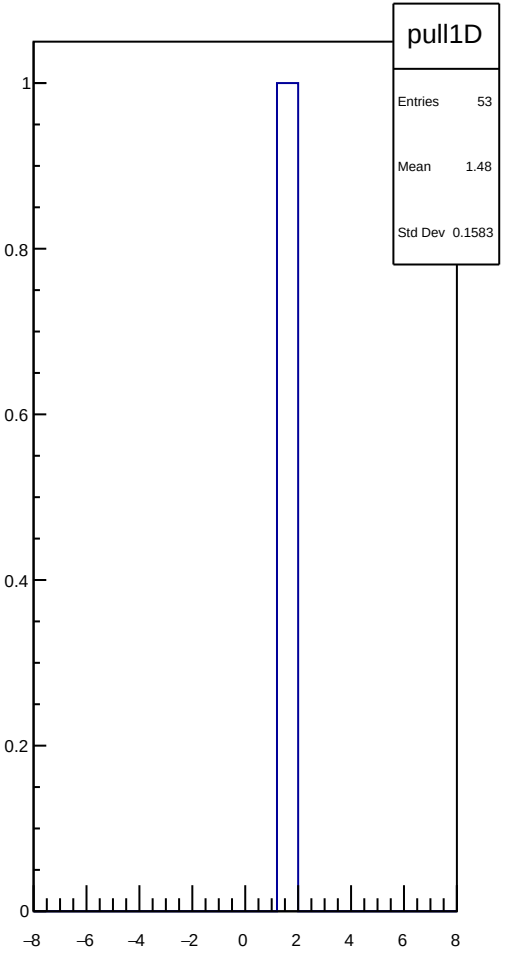

yield_bpm0l05Y_rms vs run
χ² / ndf 3.476e+05 / 52
p0 0.009839 ± 1.217e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

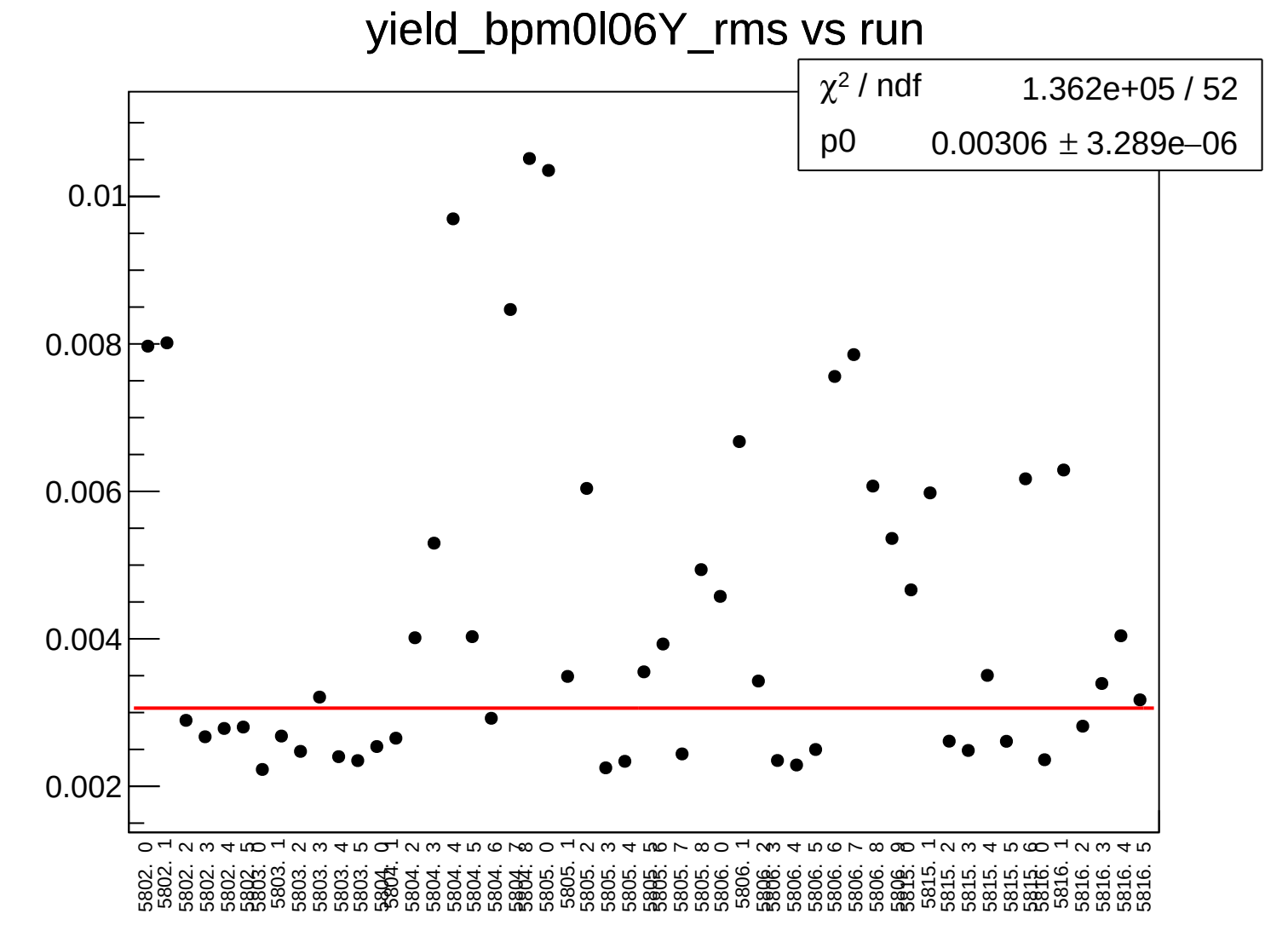

yield_bpm0l06X_mean vs run
χ² / ndf 8.258e+06 / 52
p0 2.171± 9.901e−06
2.22
2.2
2.18
2.16
2.14
2.12
pull
Entries 53
Mean −2.505
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

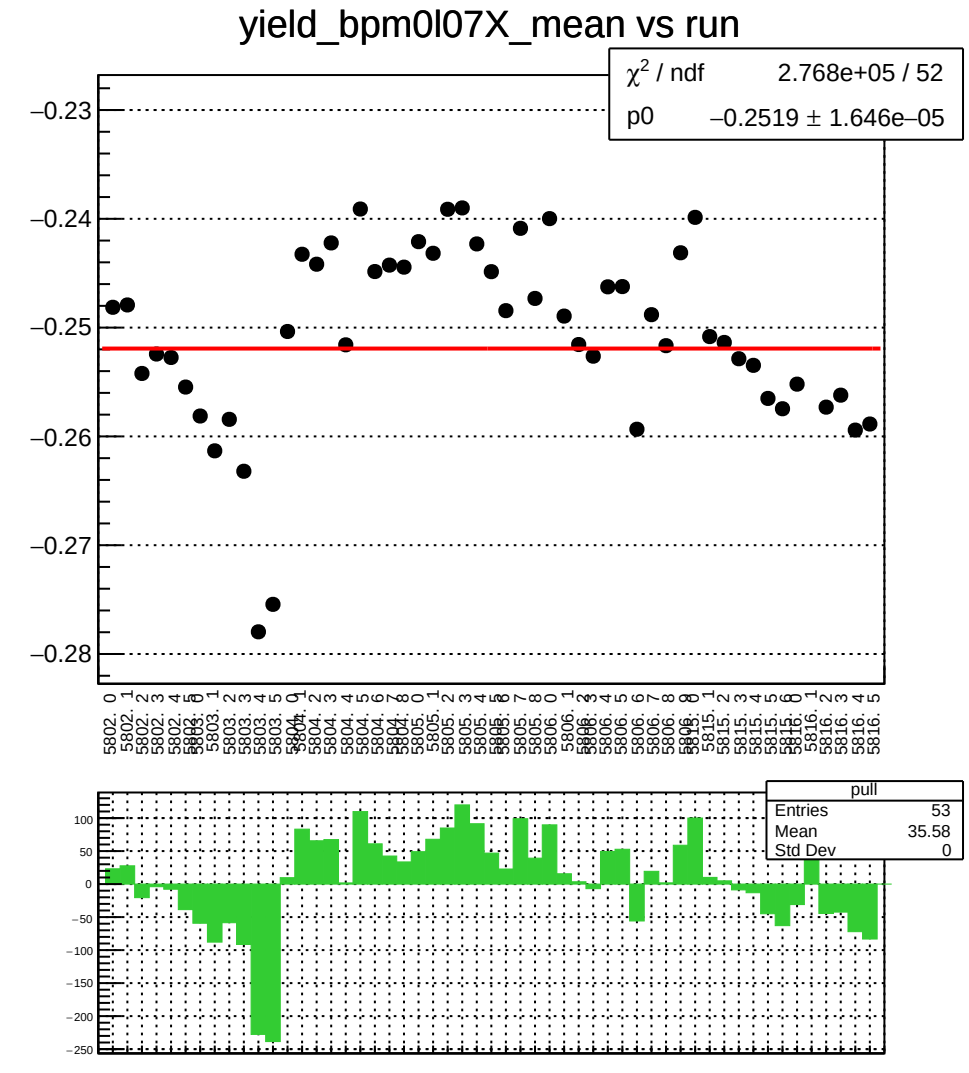

pull1D
Entries 53
Mean 4.397
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

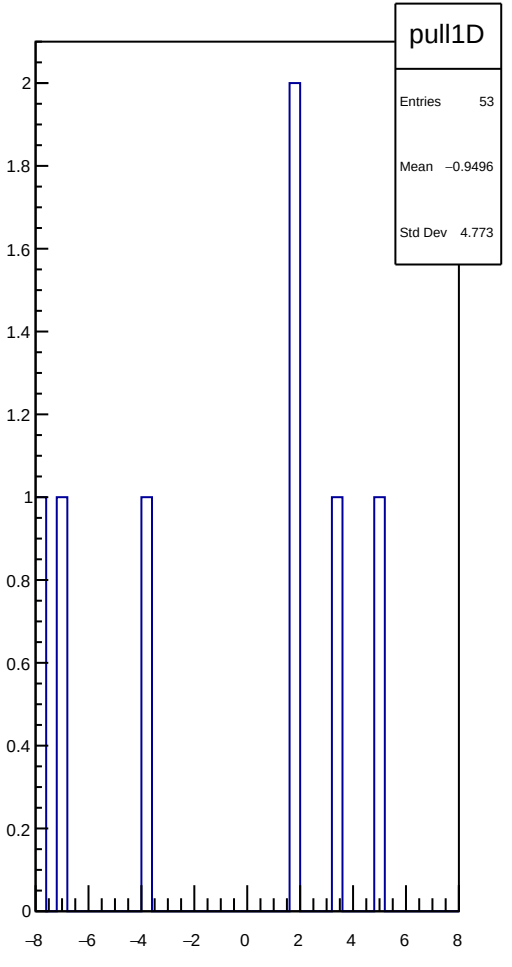

yield_bpm0l06X_rms vs run
χ² / ndf 6.822e+04 / 52
p0 0.006764 ± 7.001e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

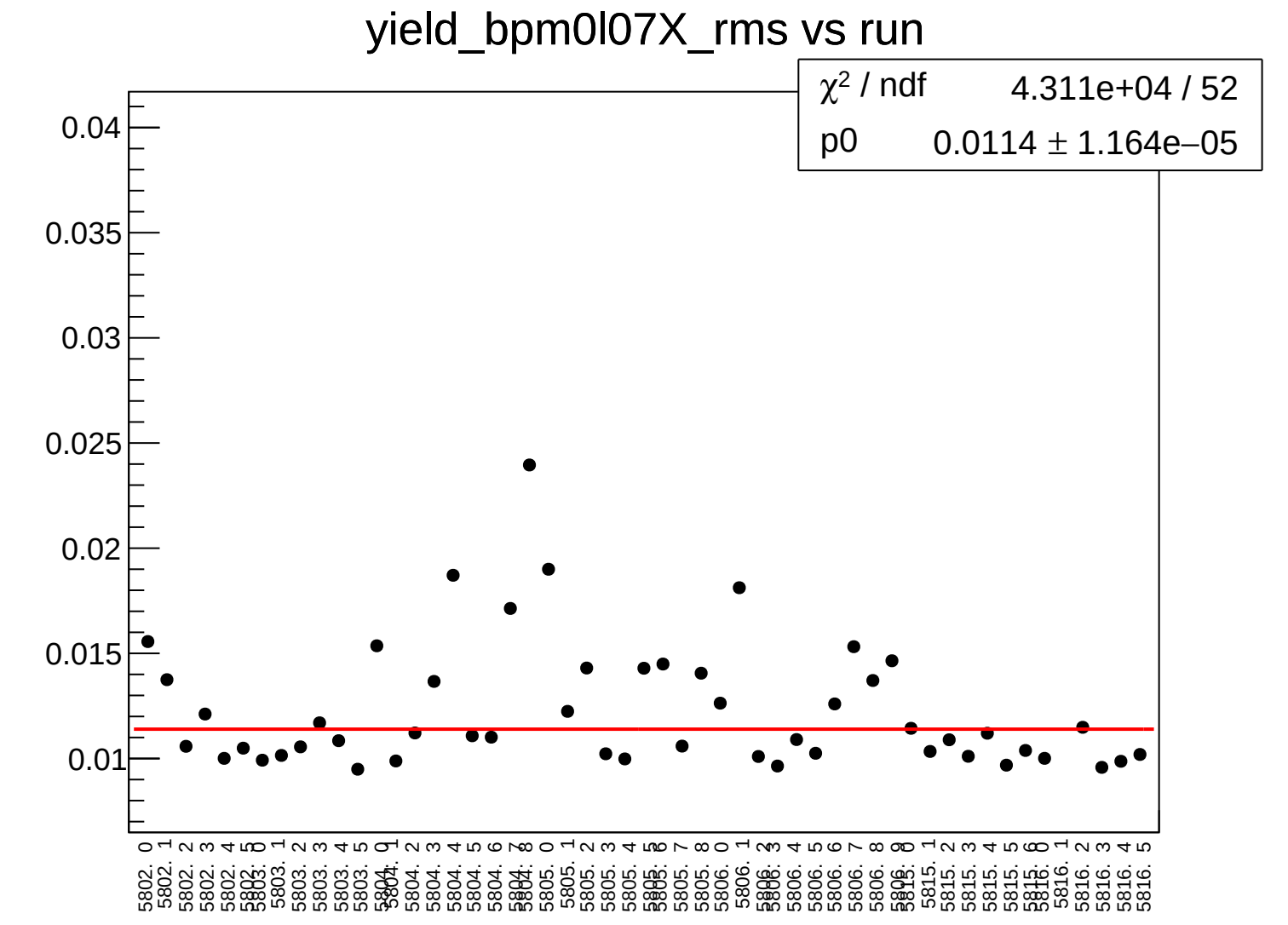

yield_bpm0l06Y_mean vs run
χ² / ndf 2.224e+06 / 52
p0 −1.371 ± 4.652e−06
−1.36
−1.365
−1.37
−1.375
−1.38
pull
Entries 53
Mean −442.2
Std Dev 0

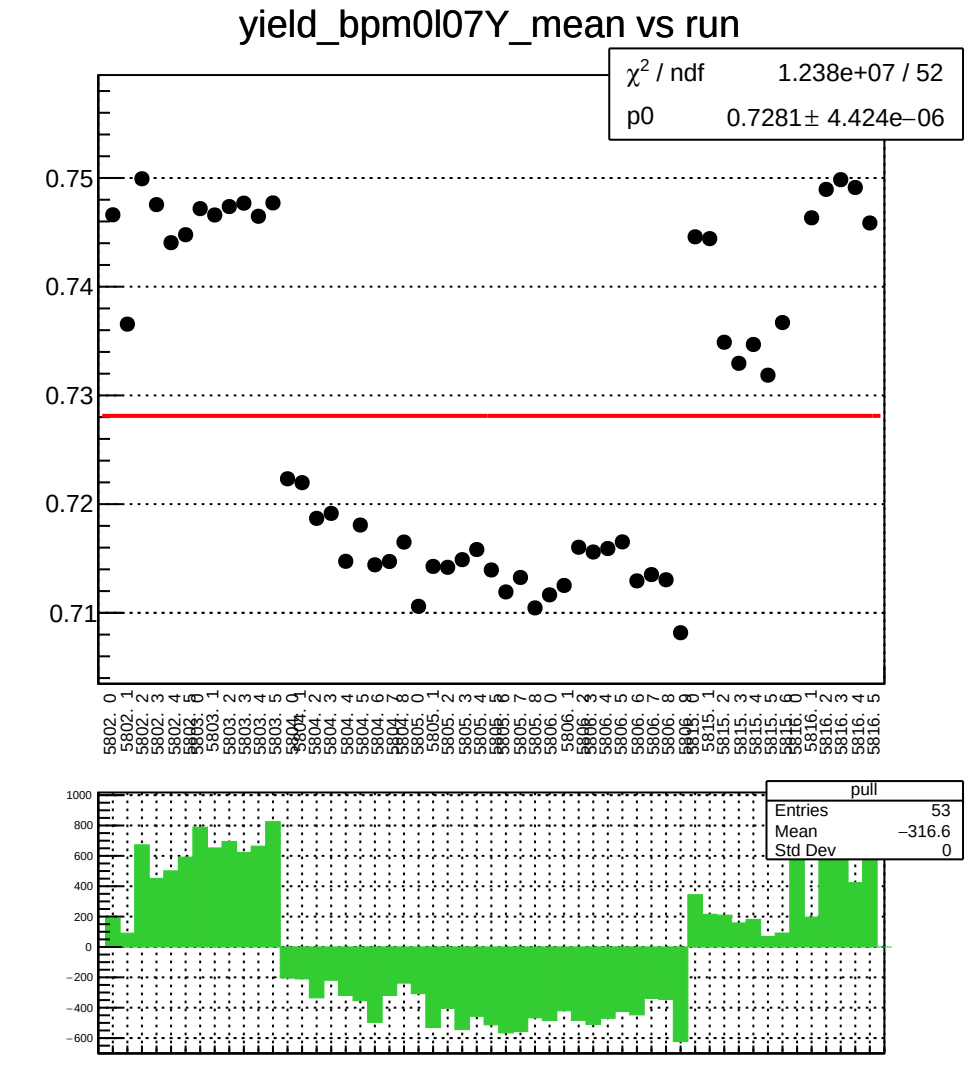

pull1D
Entries 53
Mean 1.48
Std Dev 0.1583

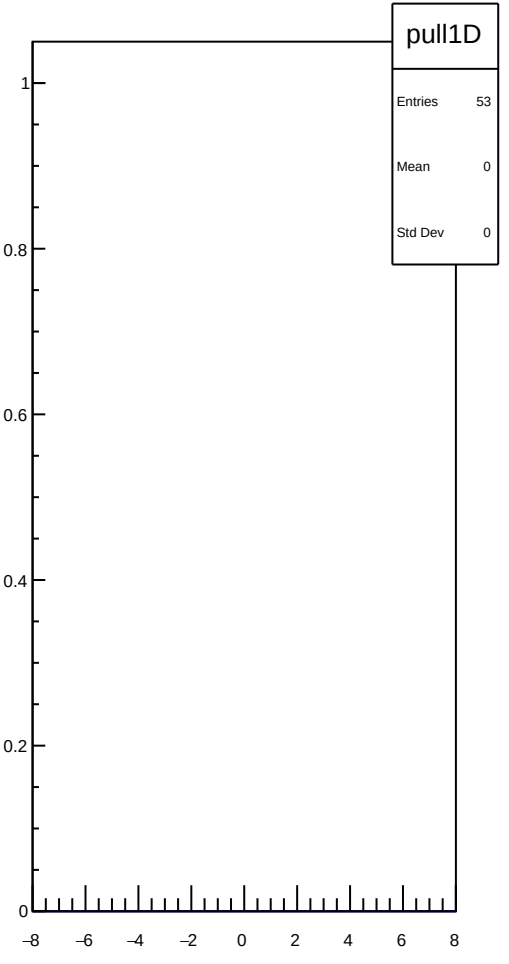

yield_bpm0l06Y_rms vs run
χ² / ndf 1.362e+05 / 52
p0 0.00306 ± 3.289e–06
0.01
0.008
0.006
0.004
0.002

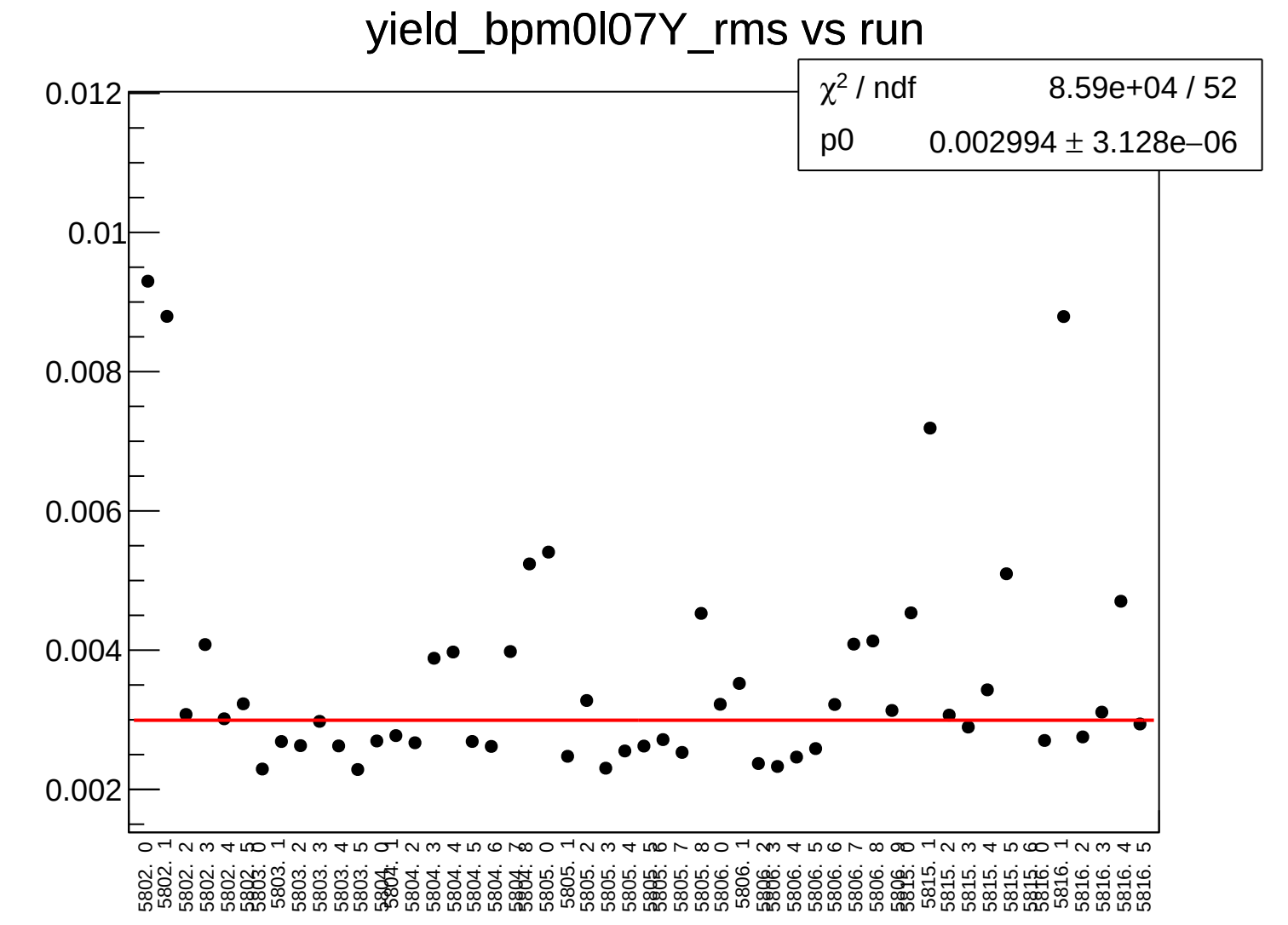

yield_bpm0l07X_mean vs run
χ² / ndf 2.768e+05 / 52
p0 −0.2519 ± 1.646e−05
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
pull
Entries 53
Mean 35.58
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

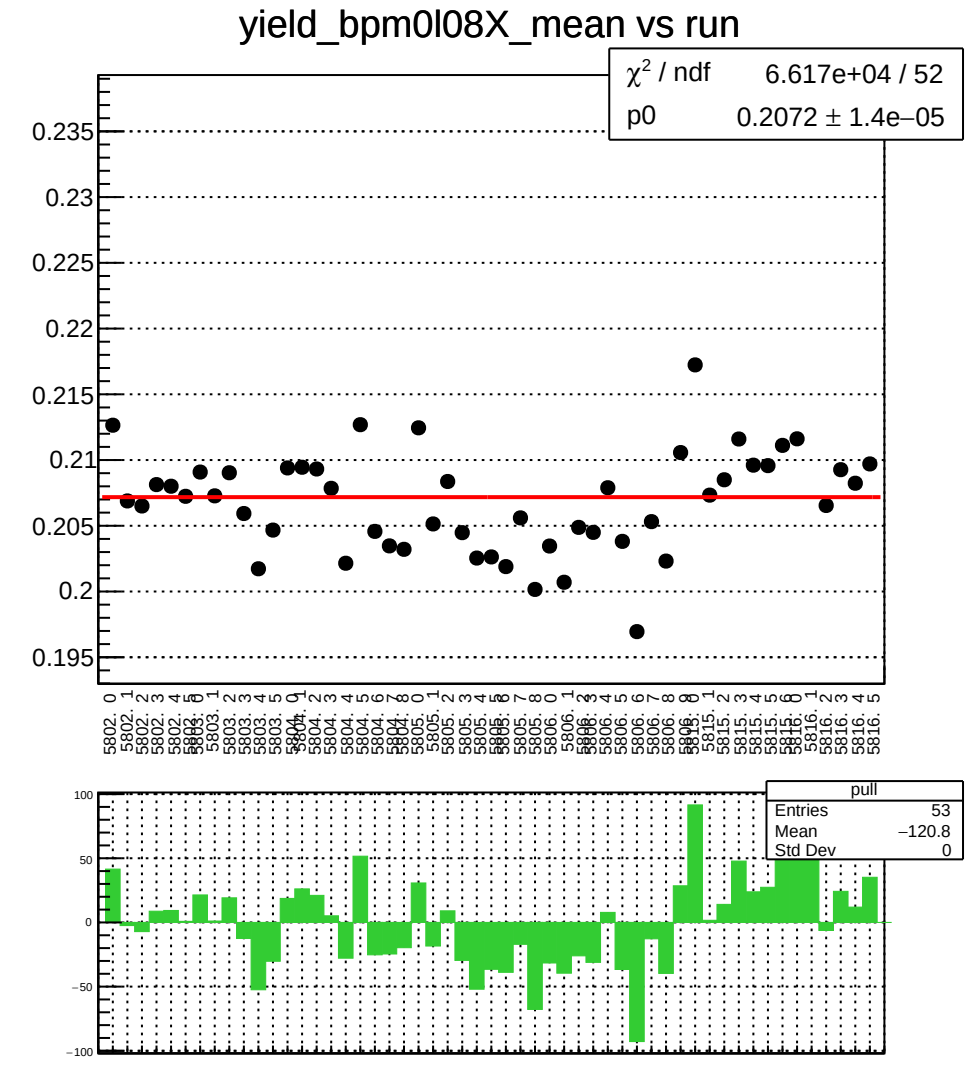

pull1D
Entries 53
Mean −0.9496
Std Dev 4.773
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

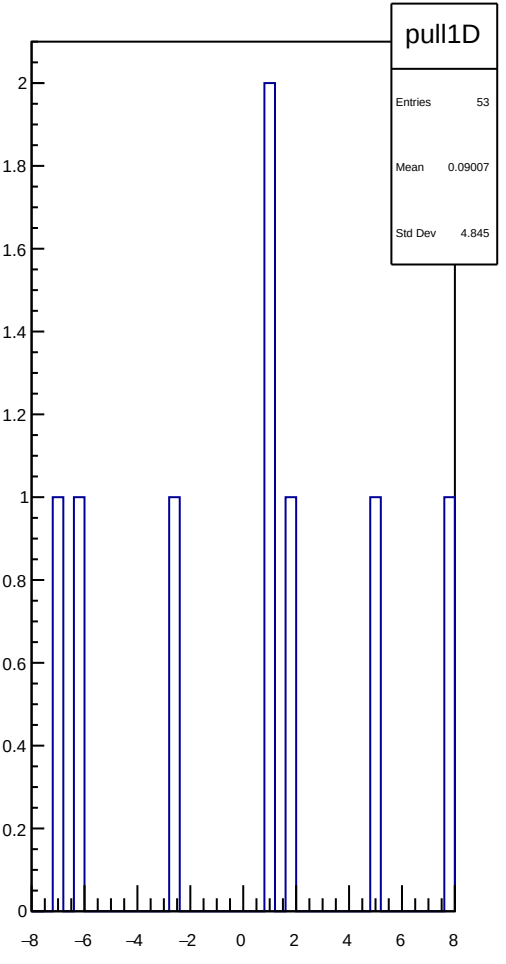

yield_bpm0l07X_rms vs run
χ² / ndf 4.311e+04 / 52
p0 0.0114 ± 1.164e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

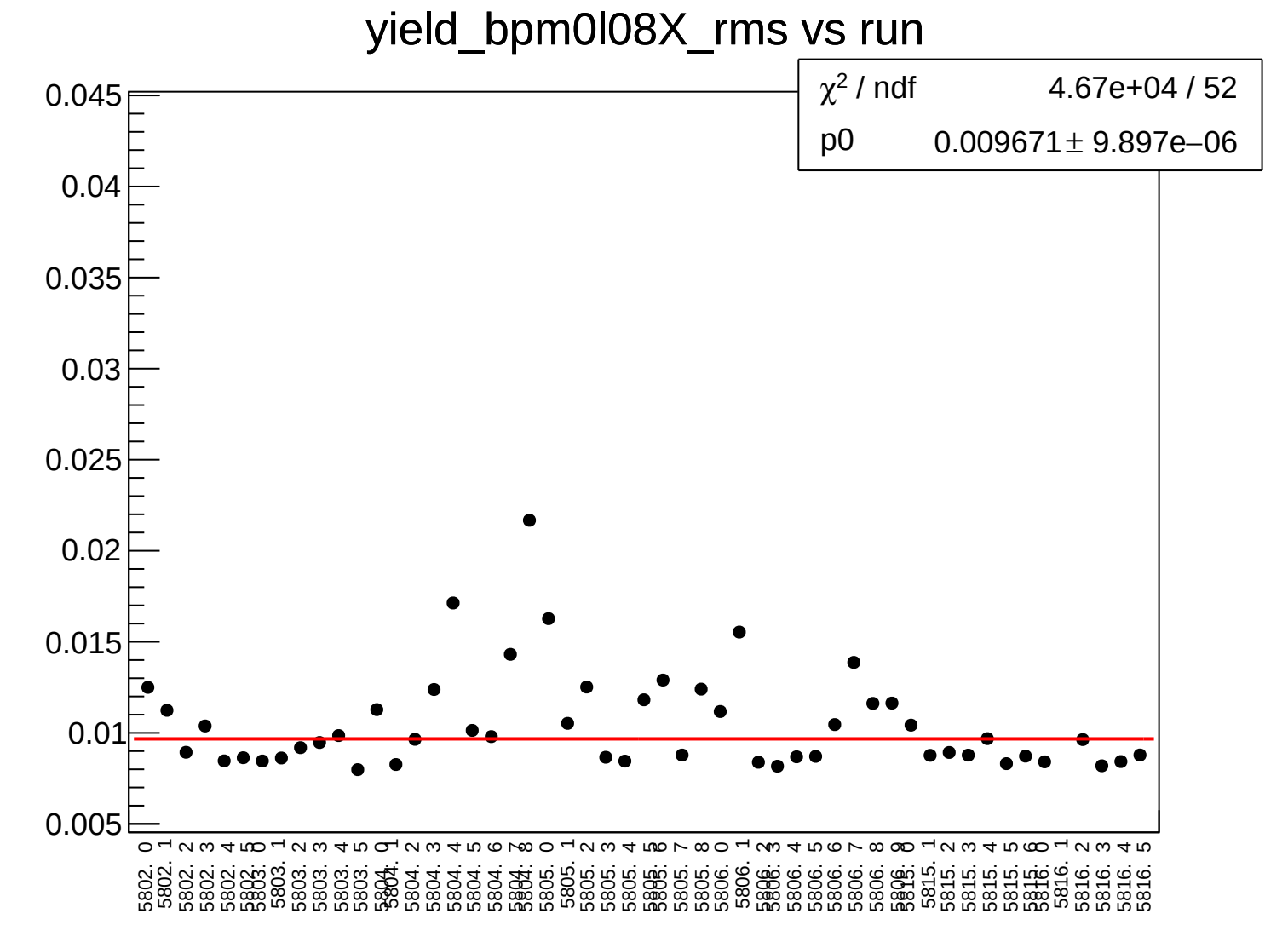

yield_bpm0l07Y_mean vs run
χ² / ndf 1.238e+07 / 52
p0 0.7281 ± 4.424e−06
0.75
0.74
0.73
0.72
0.71
pull
Entries 53
Mean −316.6
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600

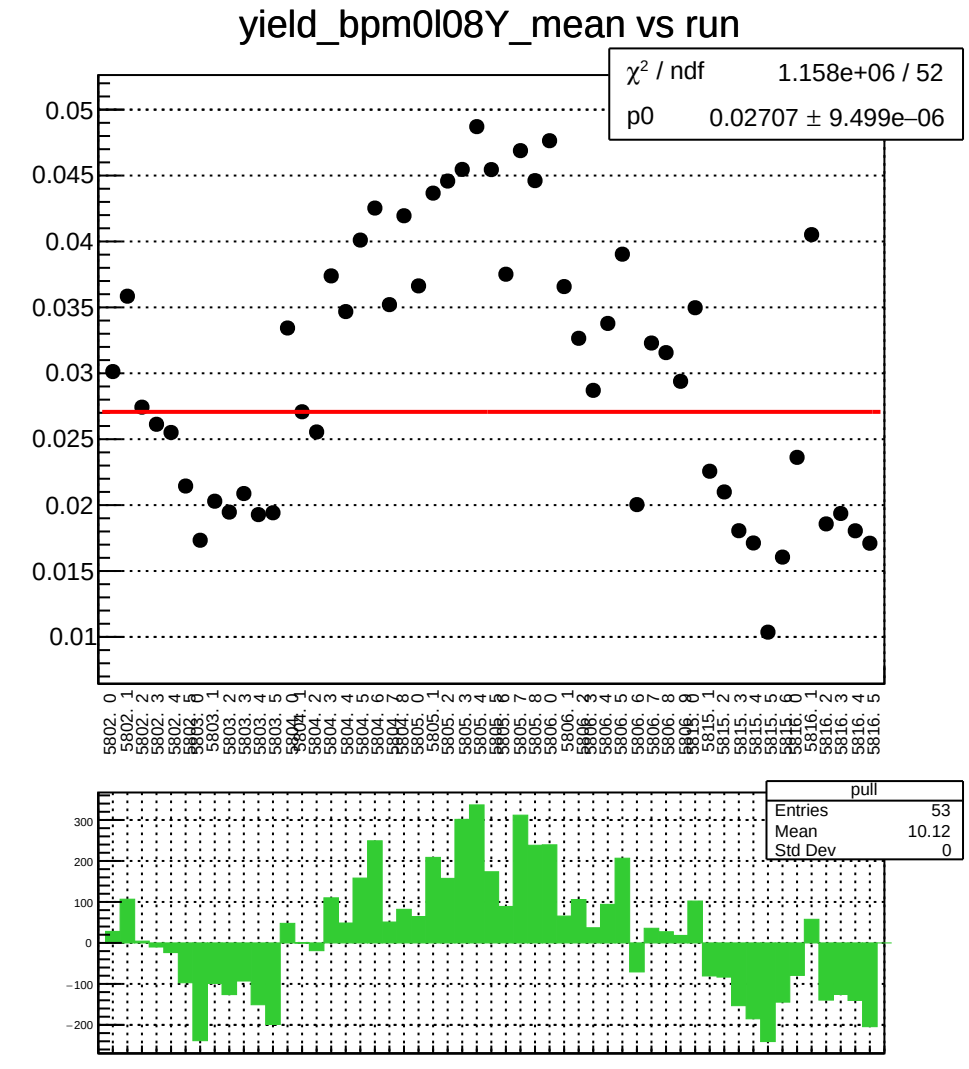

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

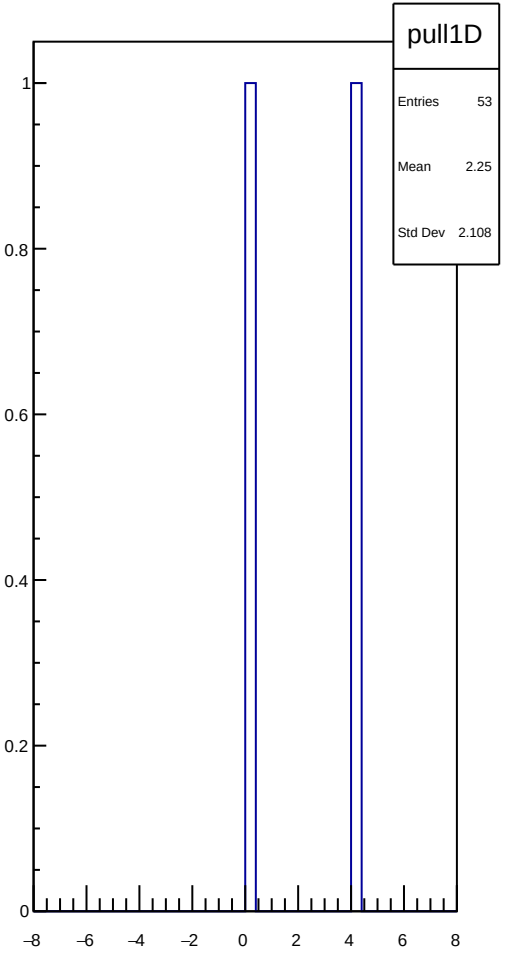

yield_bpm0l07Y_rms vs run
χ² / ndf 8.59e+04 / 52
p0 0.002994 ± 3.128e−06
0.012
0.01
0.008
0.006
0.004
0.002

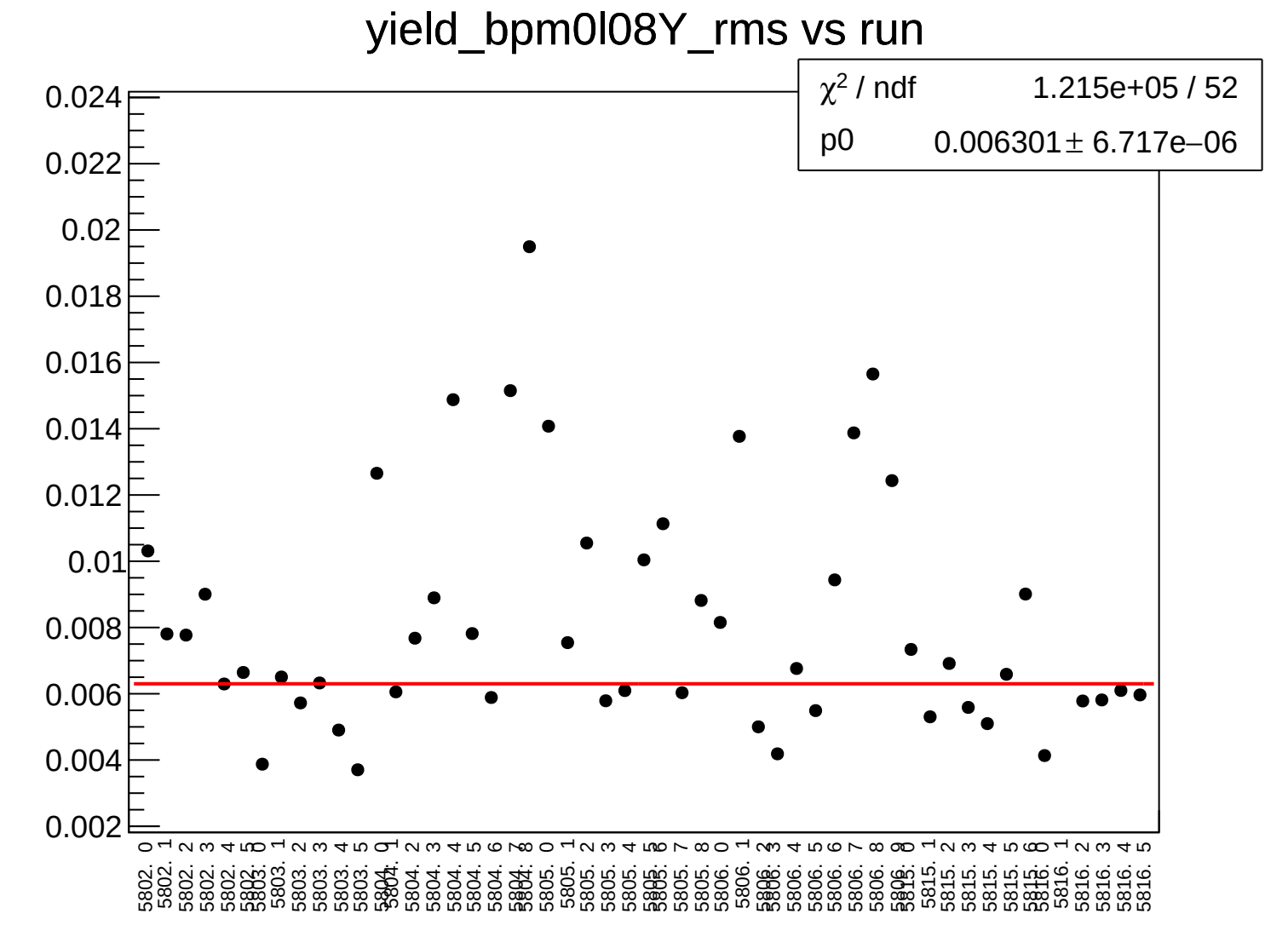

yield_bpm0l08X_mean vs run
χ² / ndf 6.617e+04 / 52
p0 0.2072 ± 1.4e−05
0.235
0.23
0.225
0.22
0.215
0.21
0.205
0.2
0.195
pull
Entries 53
Mean −120.8
Std Dev 0
100
50
0
−50
−100

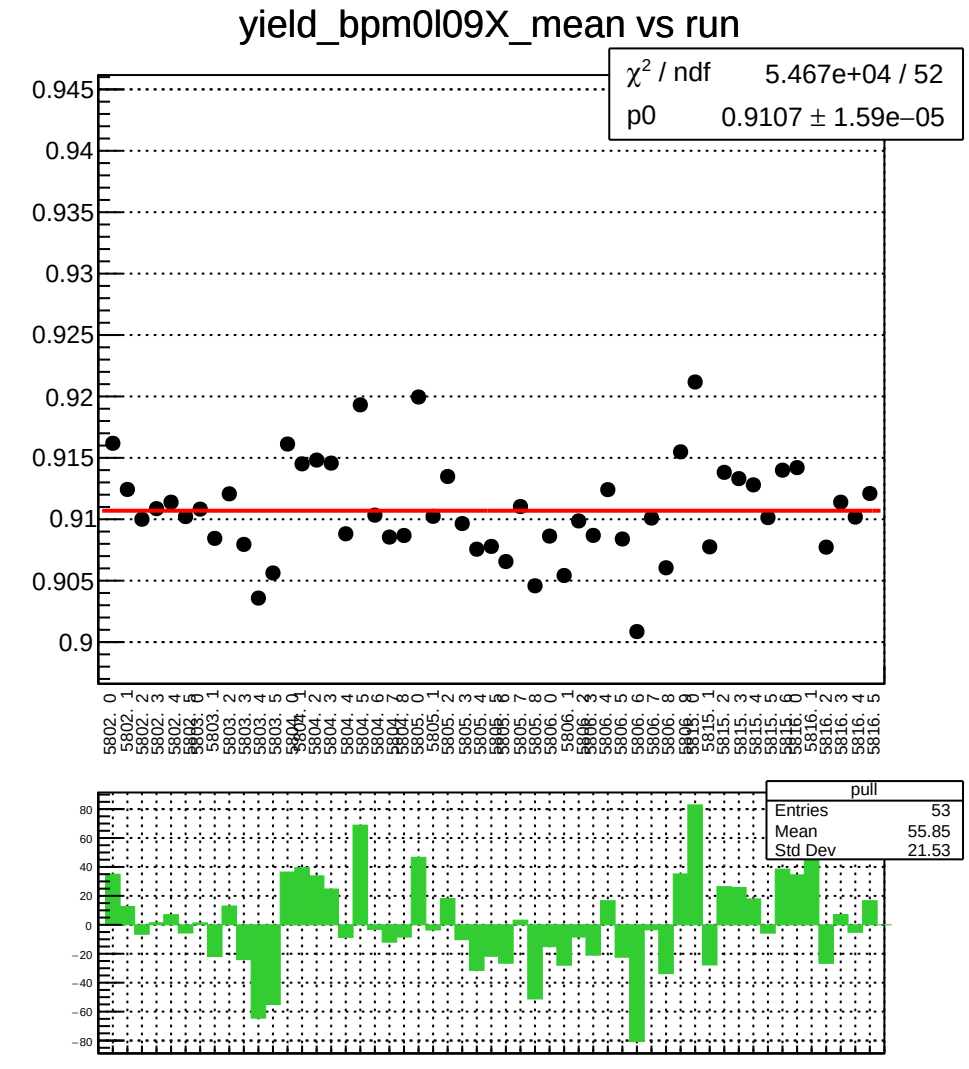

pull1D
Entries 53
Mean 0.09007
Std Dev 4.845
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

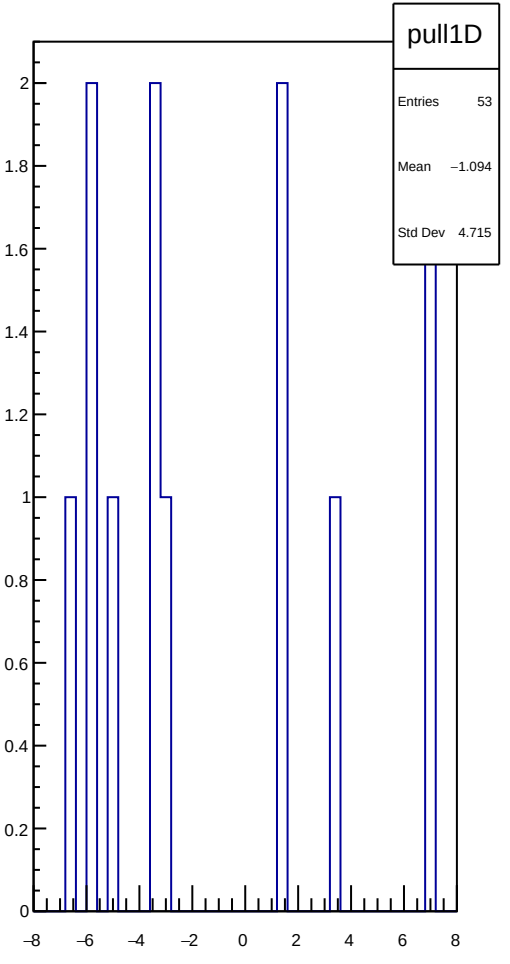

yield_bpm0l08X_rms vs run
χ² / ndf 4.67e+04 / 52
p0 0.009671 ± 9.897e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

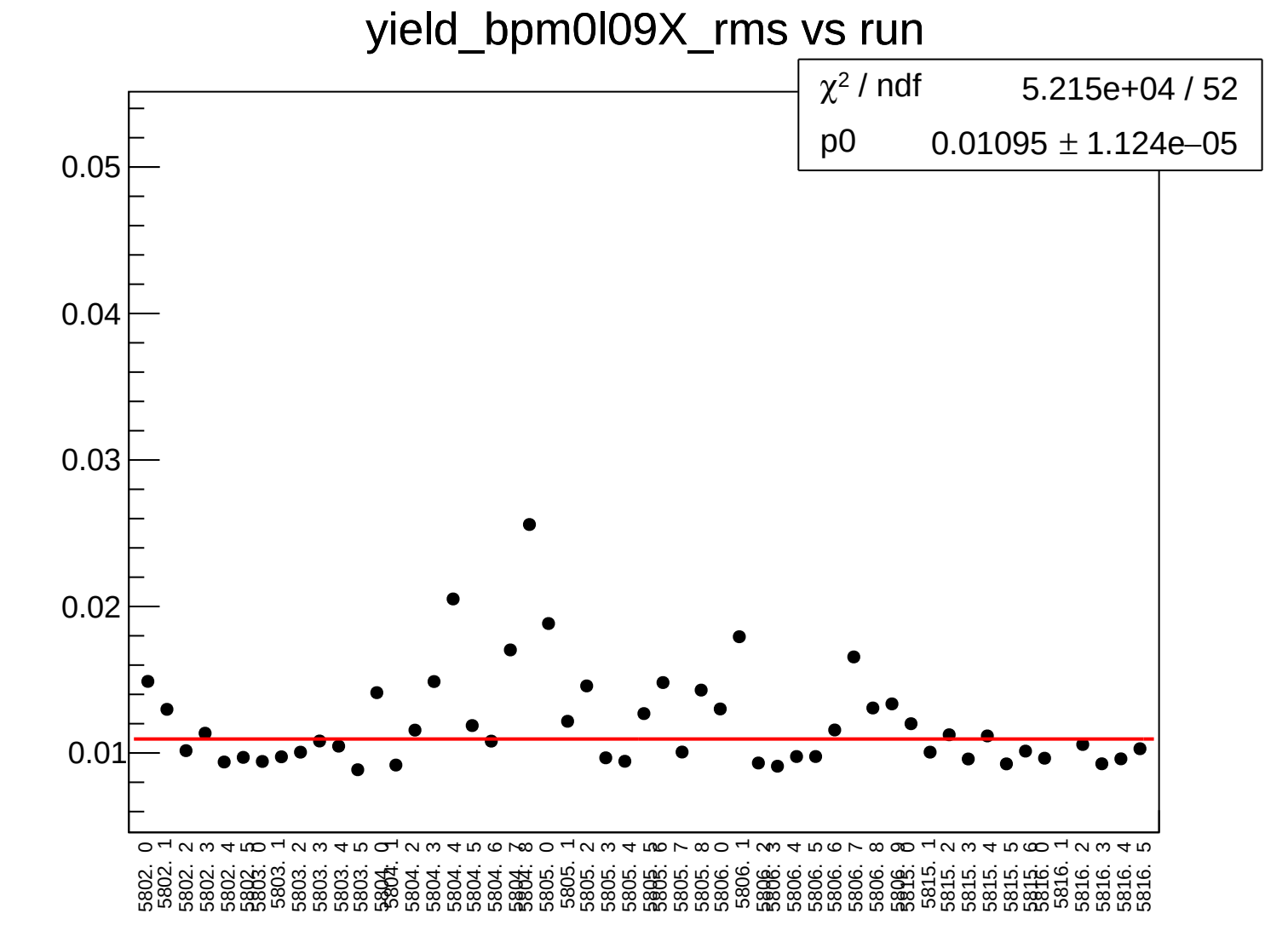

yield_bpm0l08Y_mean vs run
χ² / ndf 1.158e+06 / 52
p0 0.02707 ± 9.499e−06
pull
Entries 53
Mean 10.12
Std Dev 0

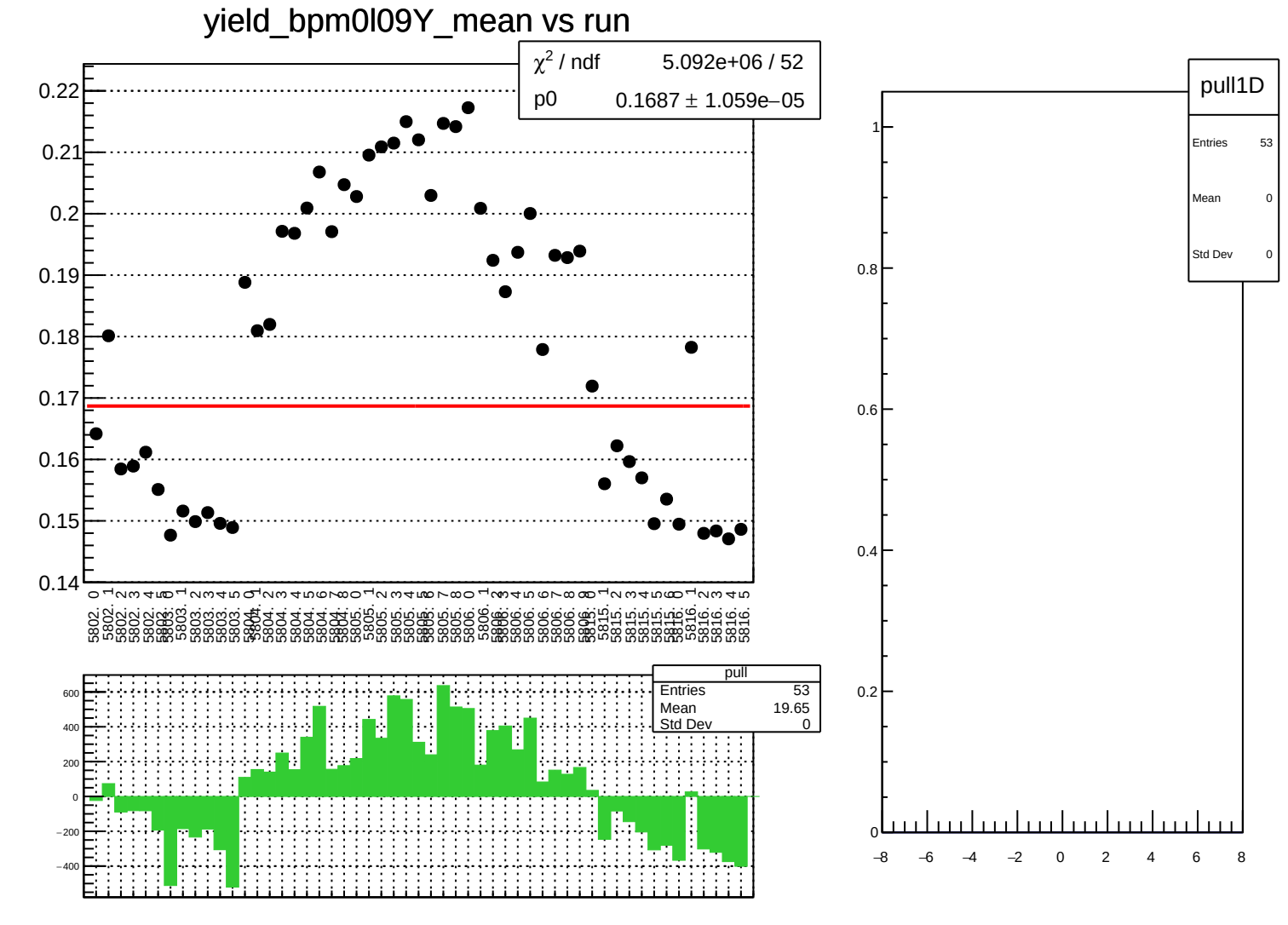

pull1D
Entries 53
Mean 2.25
Std Dev 2.108

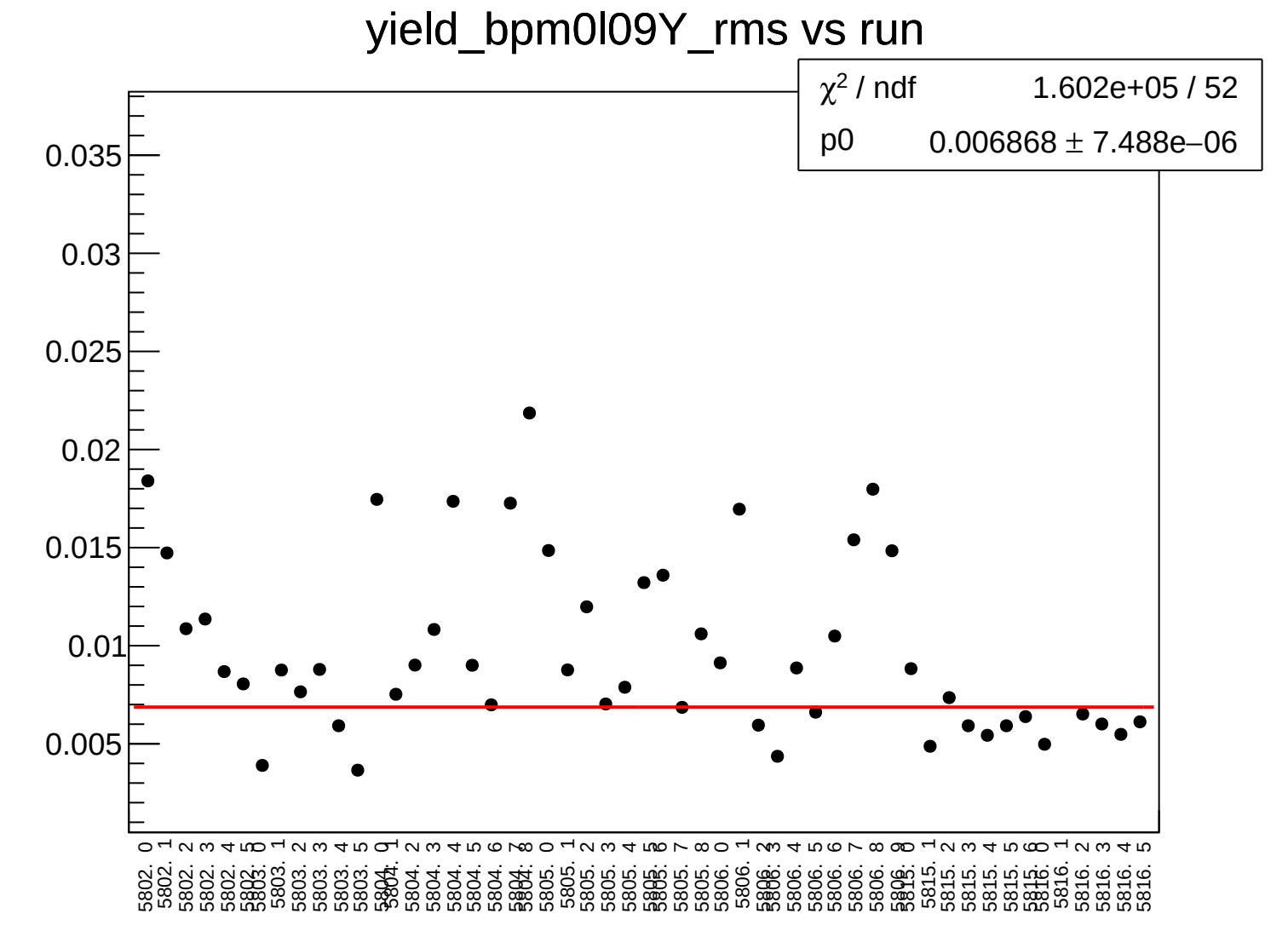

yield_bpm0l08Y_rms vs run
χ² / ndf 1.215e+05 / 52
p0 0.006301 ± 6.717e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

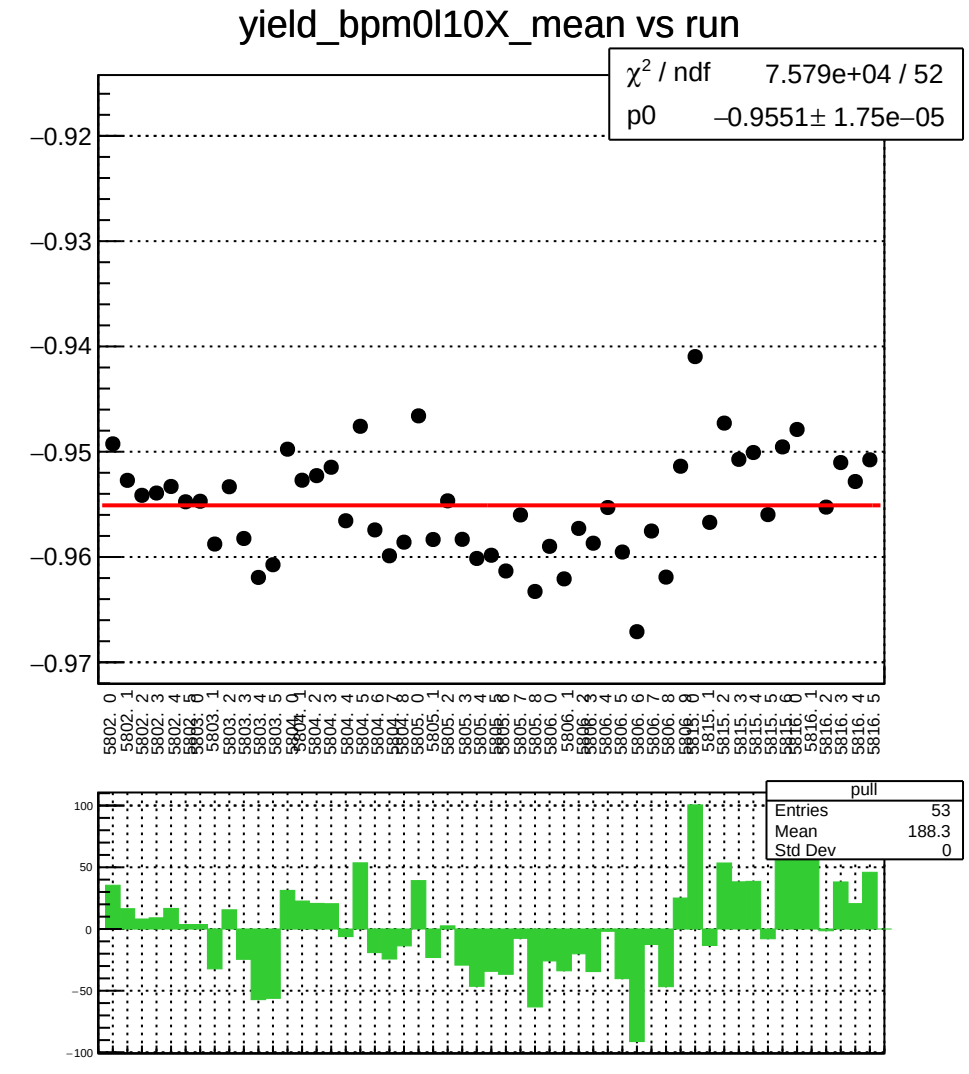

yield_bpm0l09X_mean vs run
χ² / ndf 5.467e+04 / 52
p0 0.9107 ± 1.59e−05
0.945
0.94
0.935
0.93
0.925
0.92
0.915
0.91
0.905
0.9
pull
Entries 53
Mean 55.85
Std Dev 21.53
80
60
40
20
0
−20
−40
−60
−80

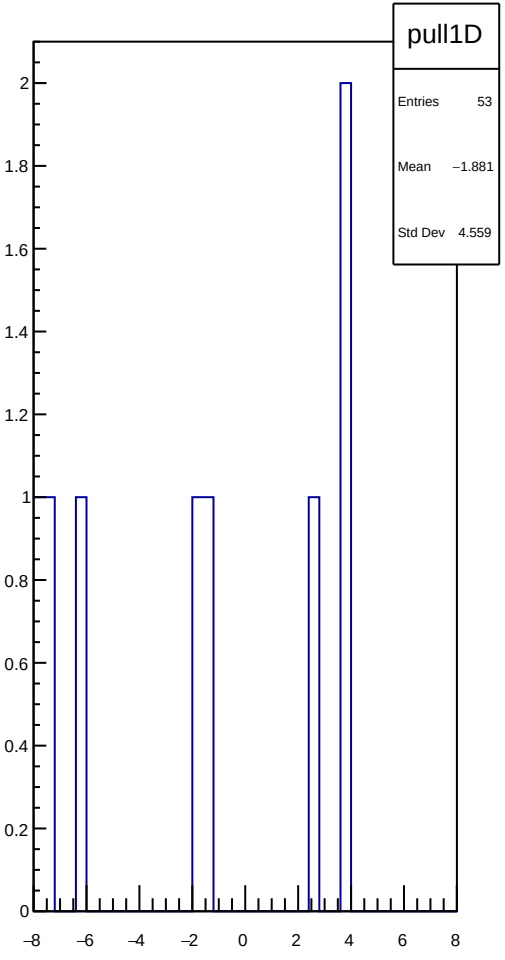

pull1D
Entries 53
Mean −1.094
Std Dev 4.715
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

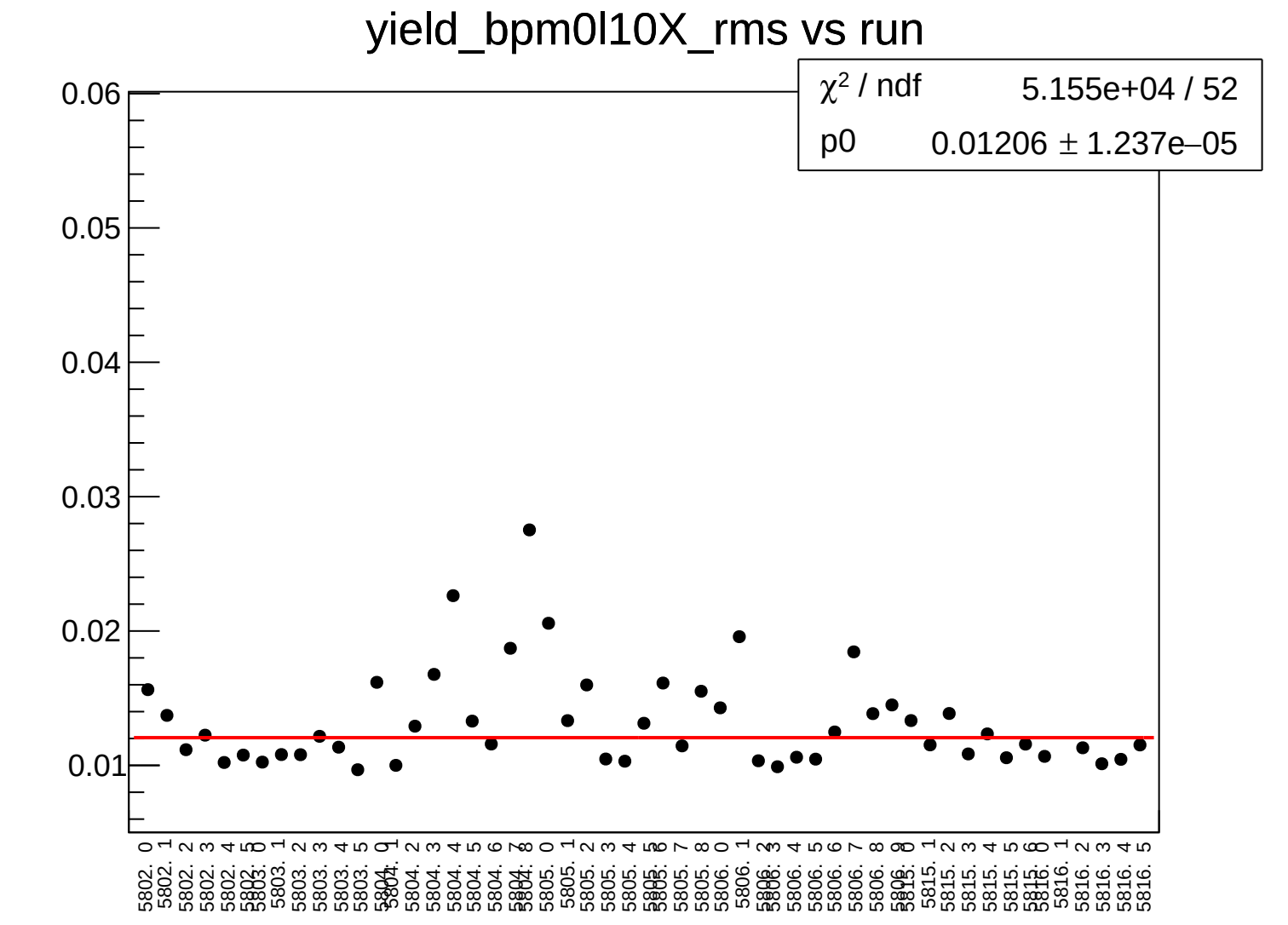

yield_bpm0l09X_rms vs run
χ² / ndf 5.215e+04 / 52
p0 0.01095 ± 1.124e−05
0.05
0.04
0.03
0.02
0.01

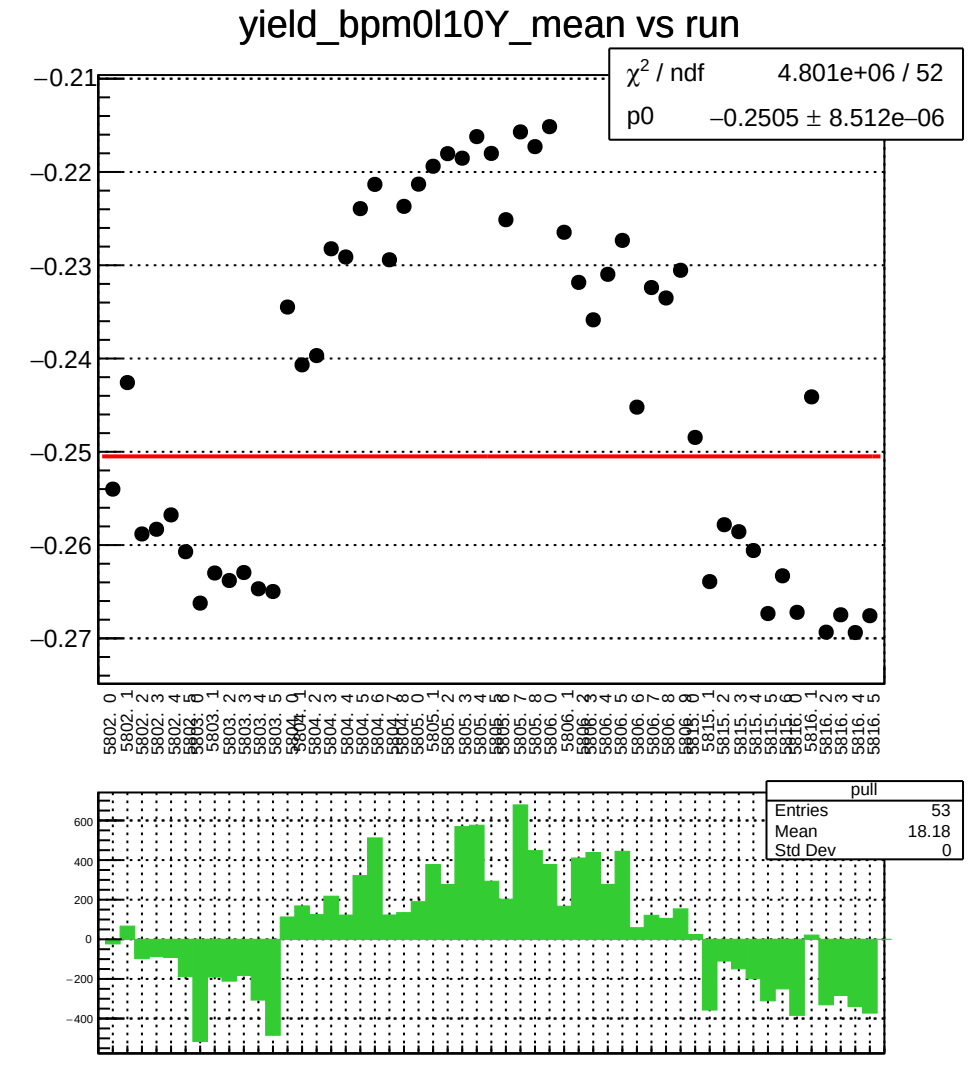

yield_bpm0l09Y_mean vs run
χ² / ndf 5.092e+06 / 52
p0 0.1687 ± 1.059e−05
pull
Entries 53
Mean 19.65
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0

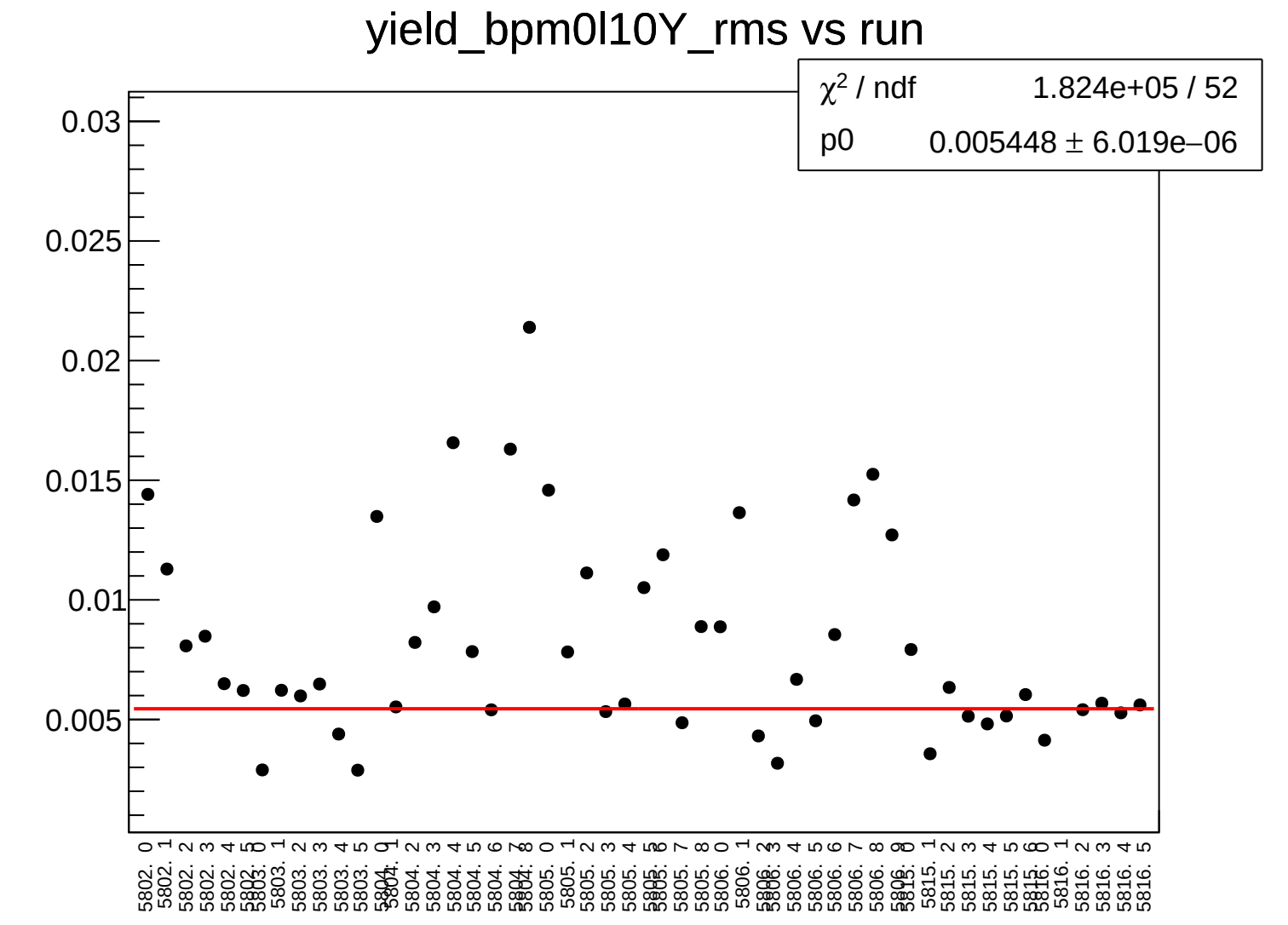

yield_bpm0l09Y_rms vs run
χ² / ndf 1.602e+05 / 52
p0 0.006868 ± 7.488e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

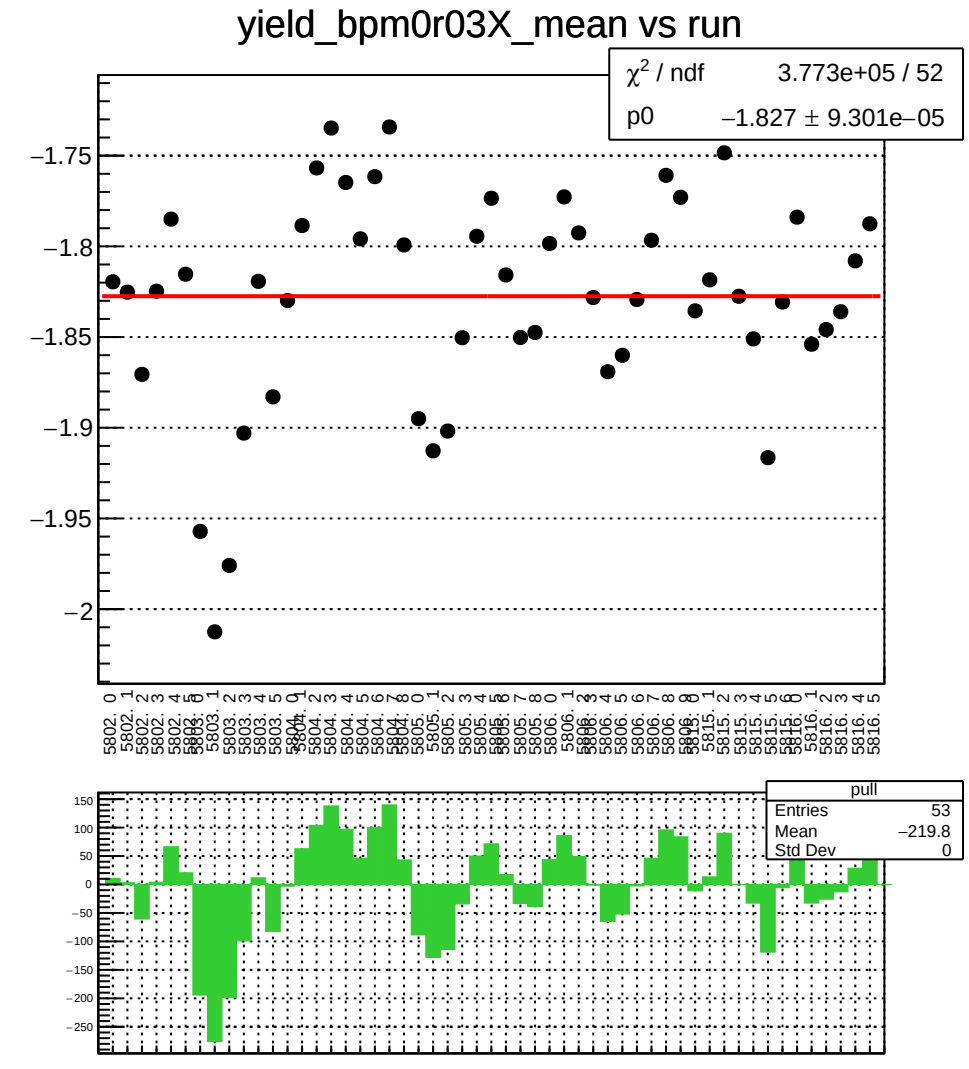

yield_bpm0l10X_mean vs run
χ² / ndf 7.579e+04 / 52
p0 −0.9551± 1.75e−05
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
pull
Entries 53
Mean 188.3
Std Dev 0
100
50
0
−50
−100

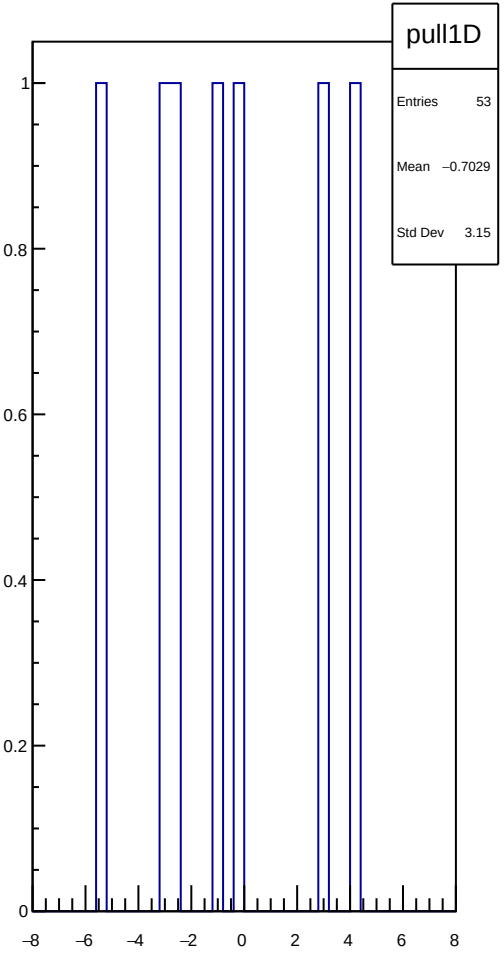

pull1D
Entries 53
Mean −1.881
Std Dev 4.559
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

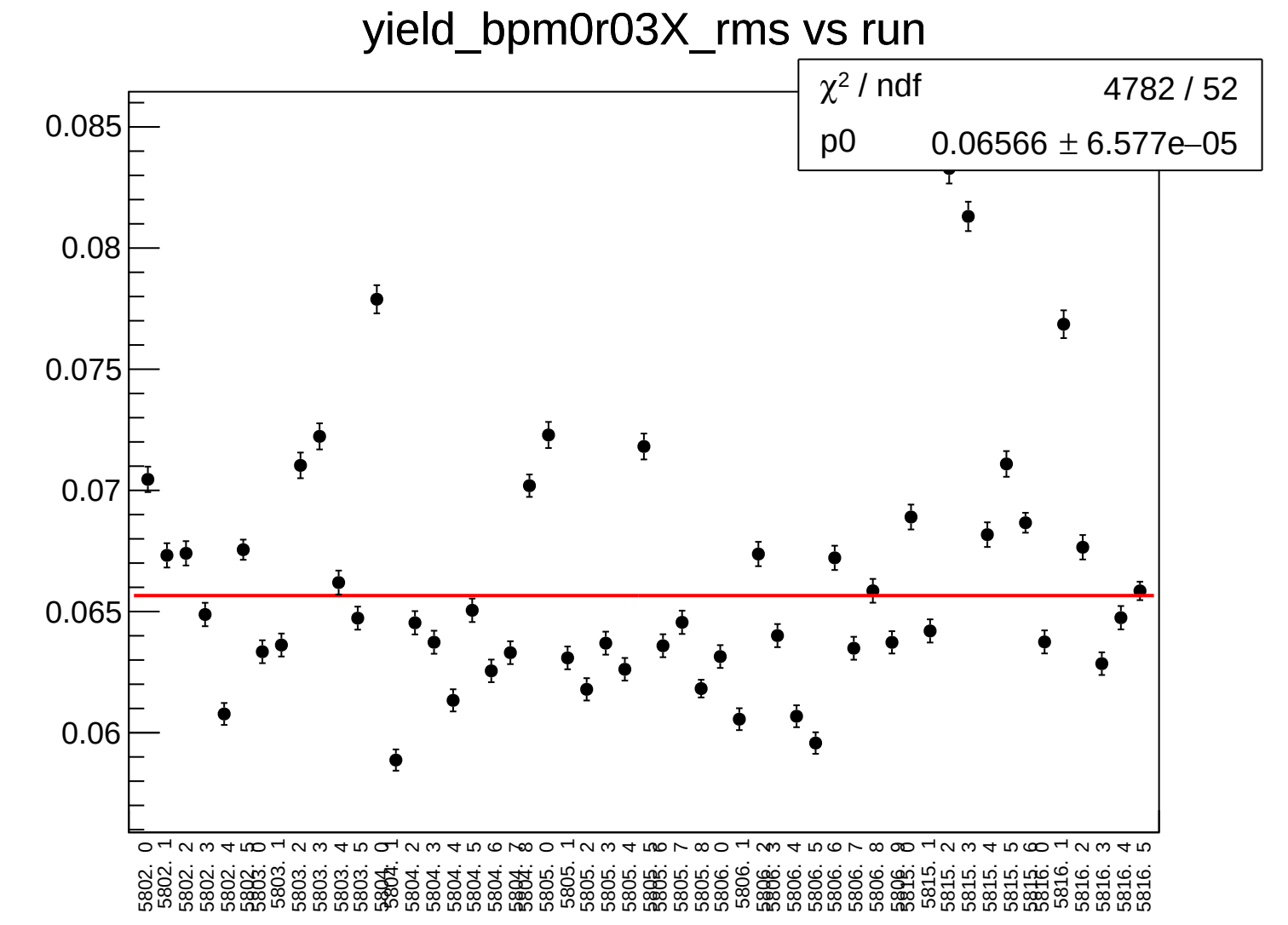

yield_bpm0l10X_rms vs run
χ² / ndf 5.155e+04 / 52
p0 0.01206 ± 1.237e–05
0.06
0.05
0.04
0.03
0.02
0.01

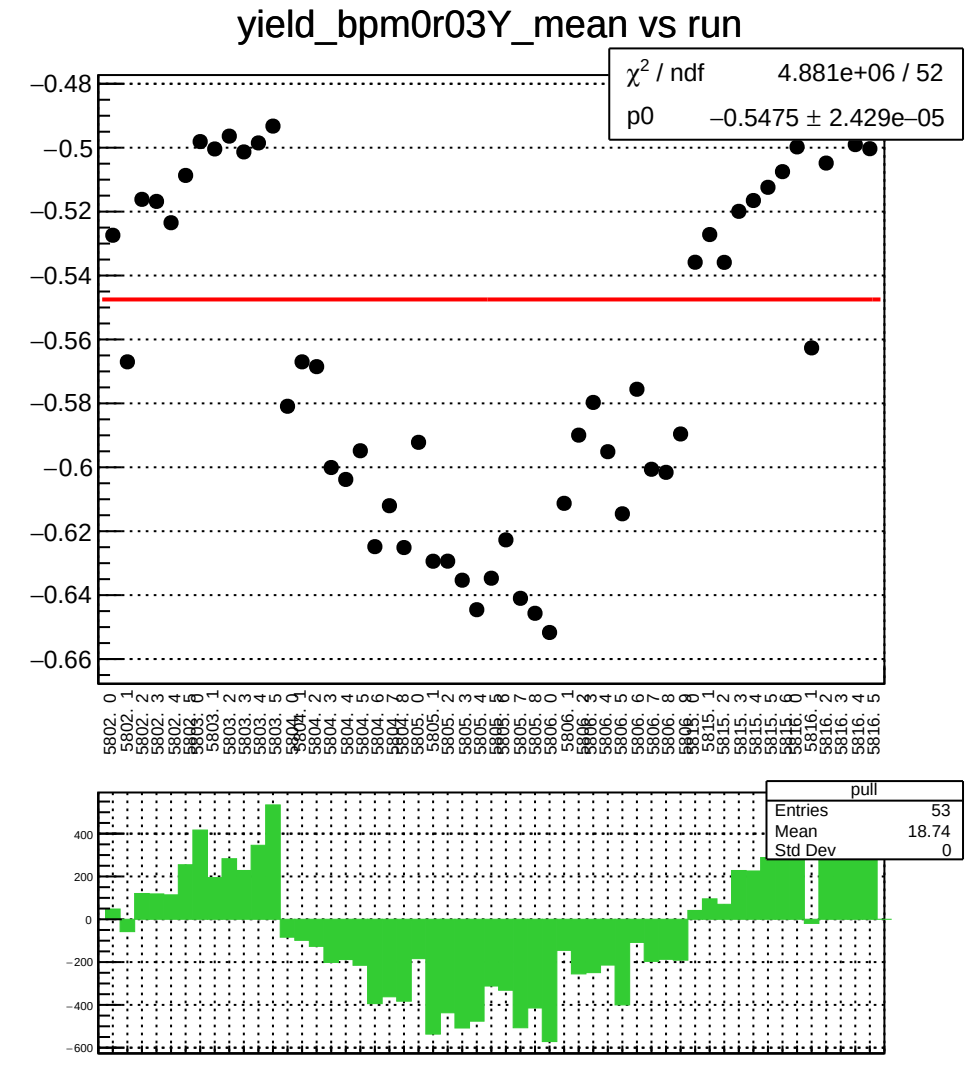

yield_bpm0l10Y_mean vs run
χ² / ndf 4.801e+06 / 52
p0 −0.2505 ± 8.512e−06
pull
Entries 53
Mean 18.18
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0

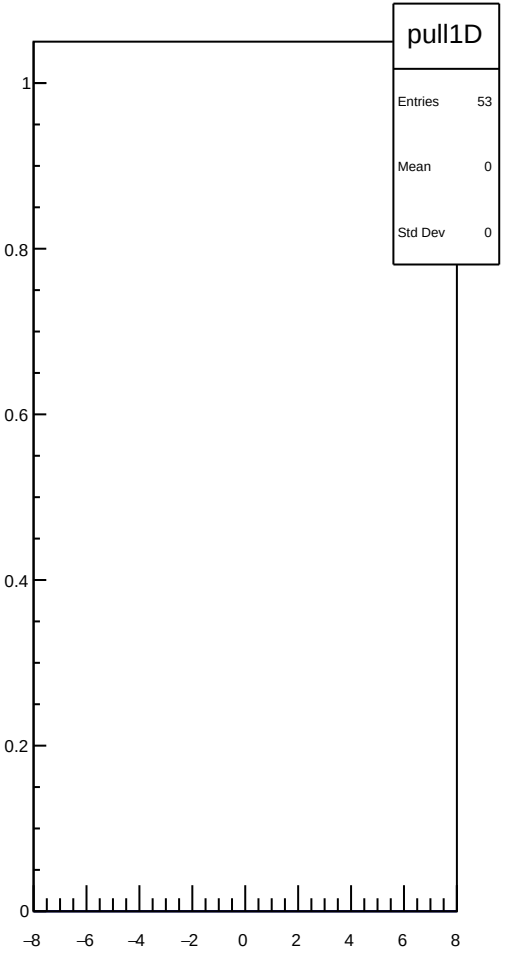

yield_bpm0l10Y_rms vs run
χ² / ndf 1.824e+05 / 52
p0 0.005448 ± 6.019e−06
0.03
0.025
0.02
0.015
0.01
0.005

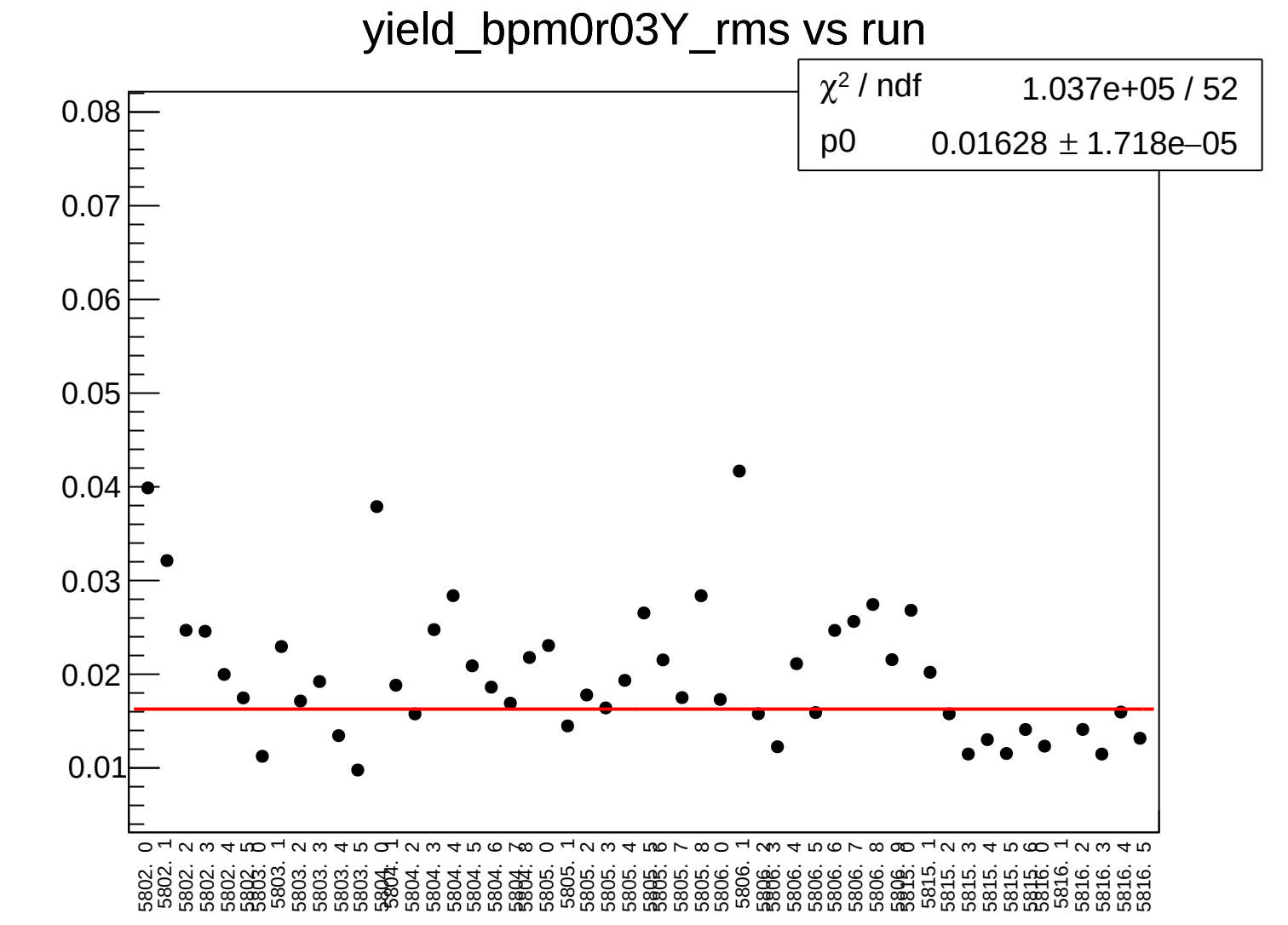

yield_bpm0r03X_mean vs run
χ² / ndf 3.773e+05 / 52
p0 −1.827 ± 9.301e−05
−1.75
−1.8
−1.85
−1.9
−1.95
−2
pull
Entries 53
Mean −219.8
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

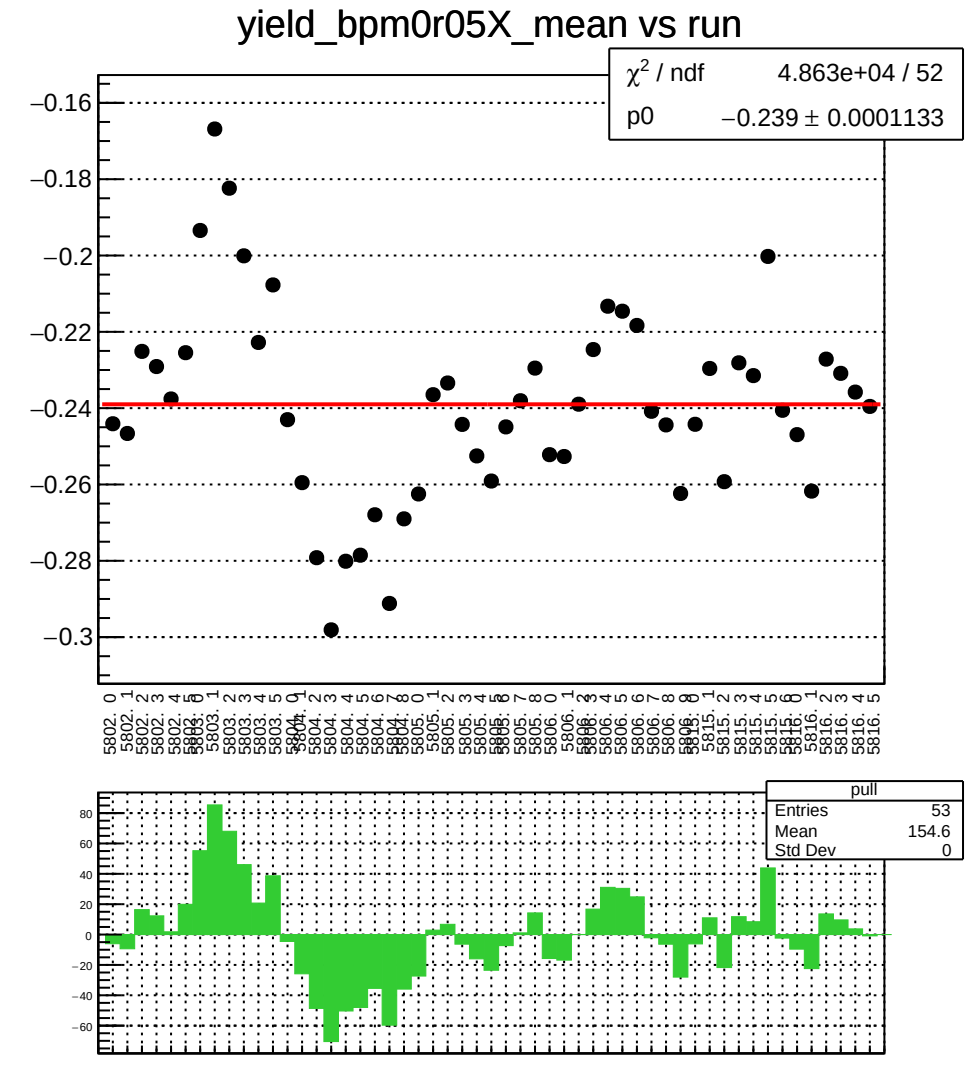

pull1D
Entries 53
Mean −0.7029
Std Dev 3.15
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

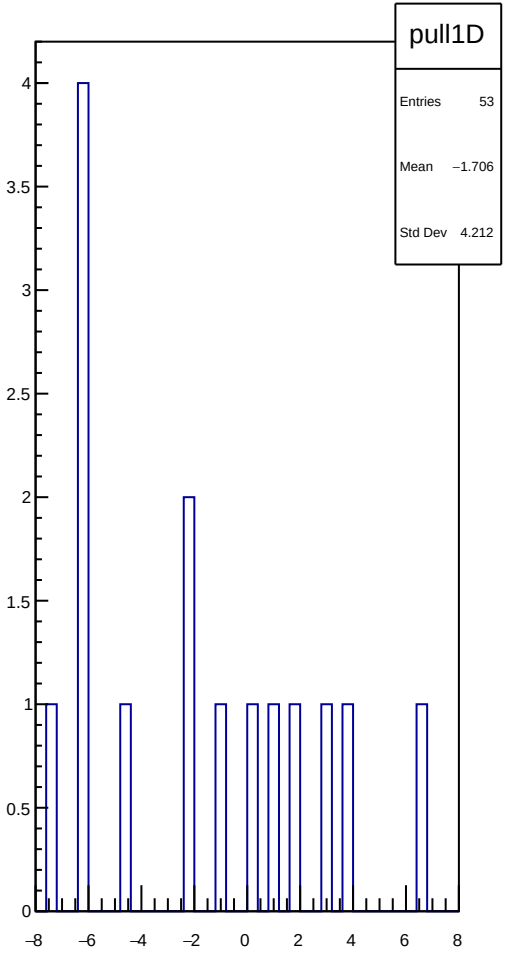

yield_bpm0r03X_rms vs run
χ² / ndf 4782 / 52
p0 0.06566 ± 6.577e–05
0.085
0.08
0.075
0.07
0.065
0.06

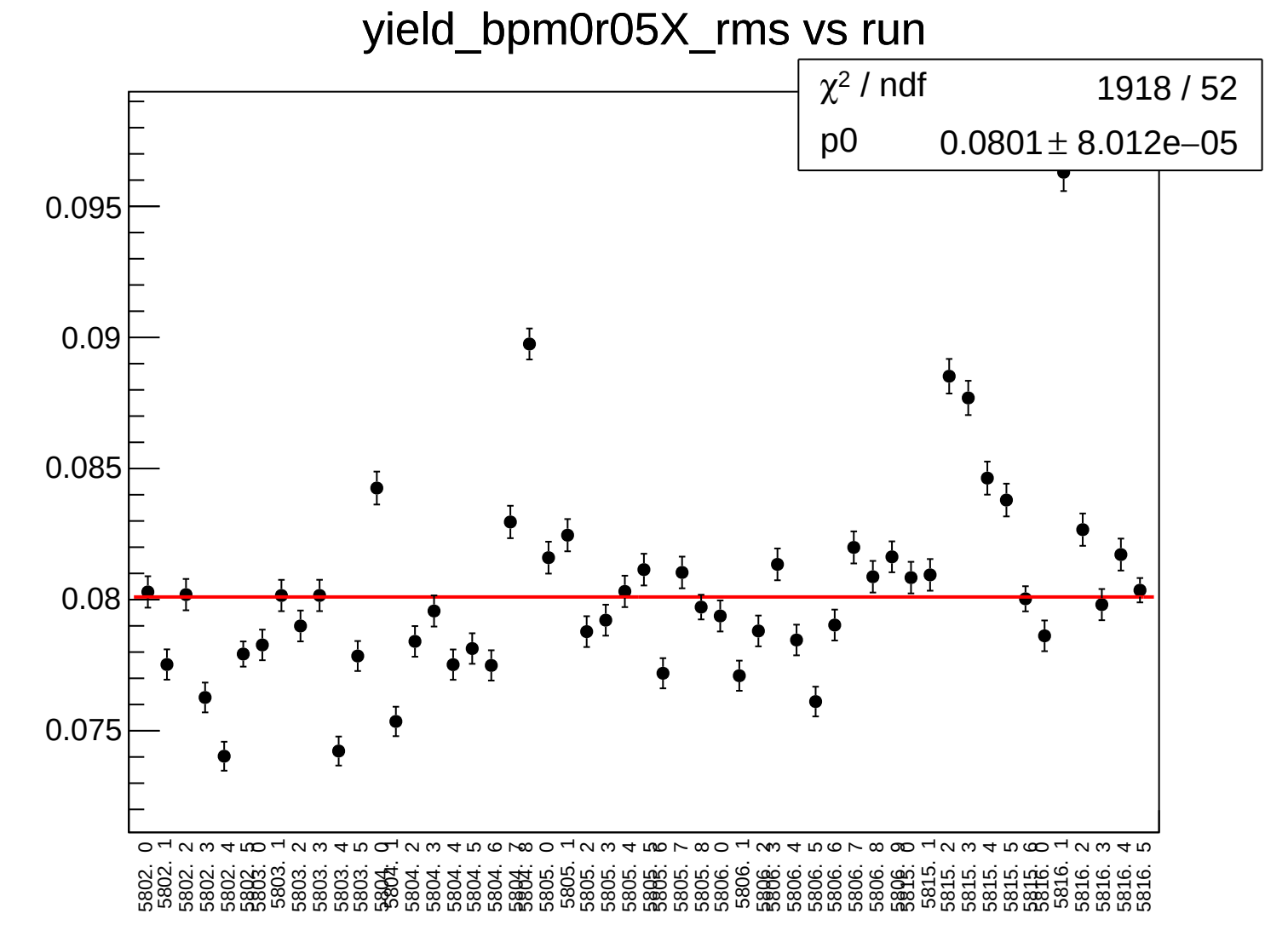

yield_bpm0r03Y_mean vs run
χ² / ndf 4.881e+06 / 52
p0 −0.5475 ± 2.429e−05
pull
Entries 53
Mean 18.74
Std Dev 0

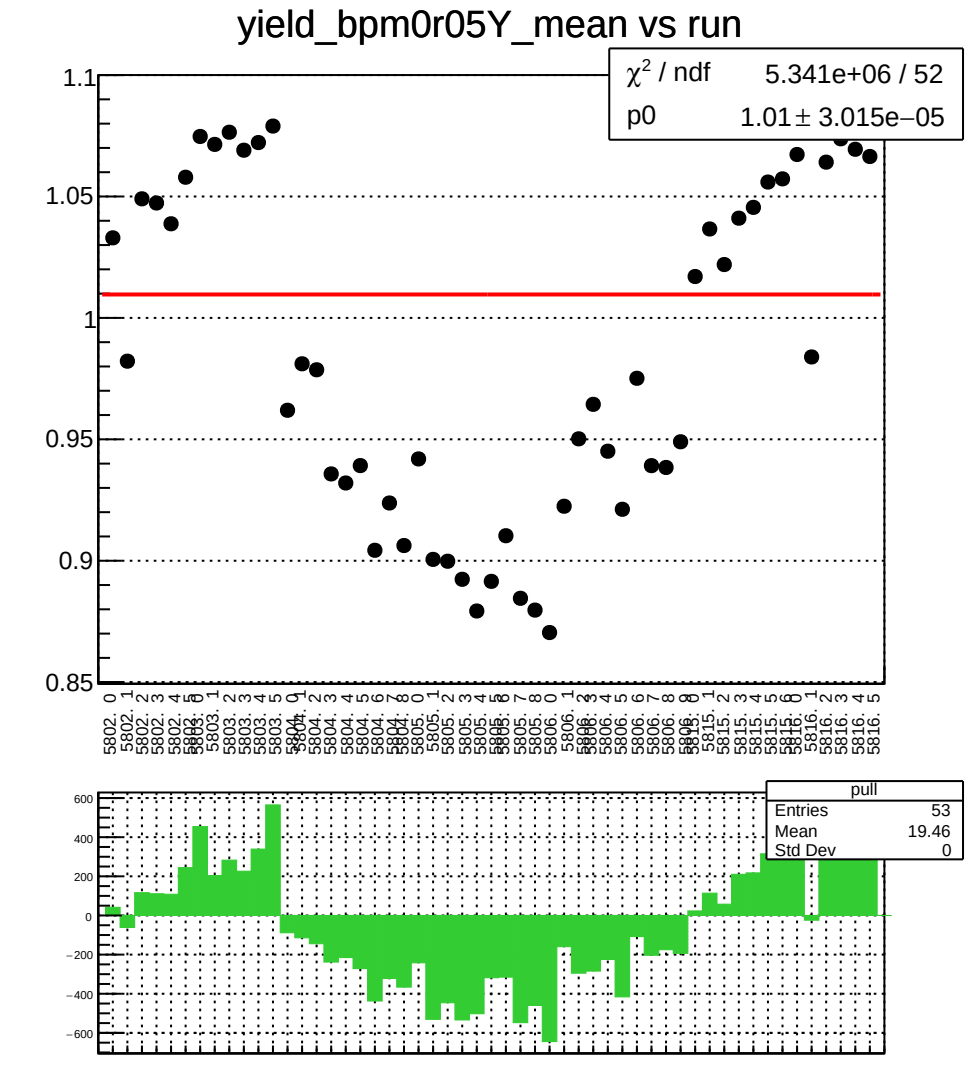

pull1D
Entries 53
Mean 0
Std Dev 0

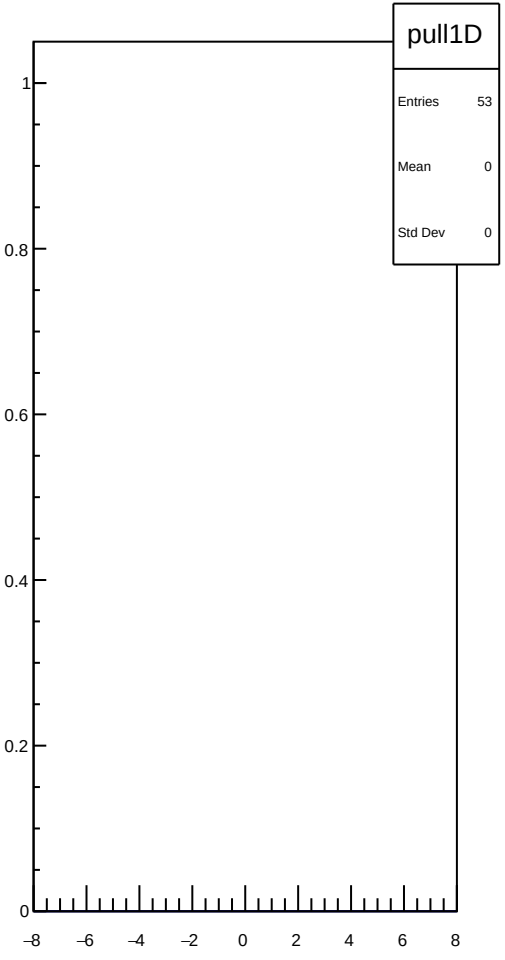

yield_bpm0r03Y_rms vs run
χ² / ndf 1.037e+05 / 52
p0 0.01628 ± 1.718e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

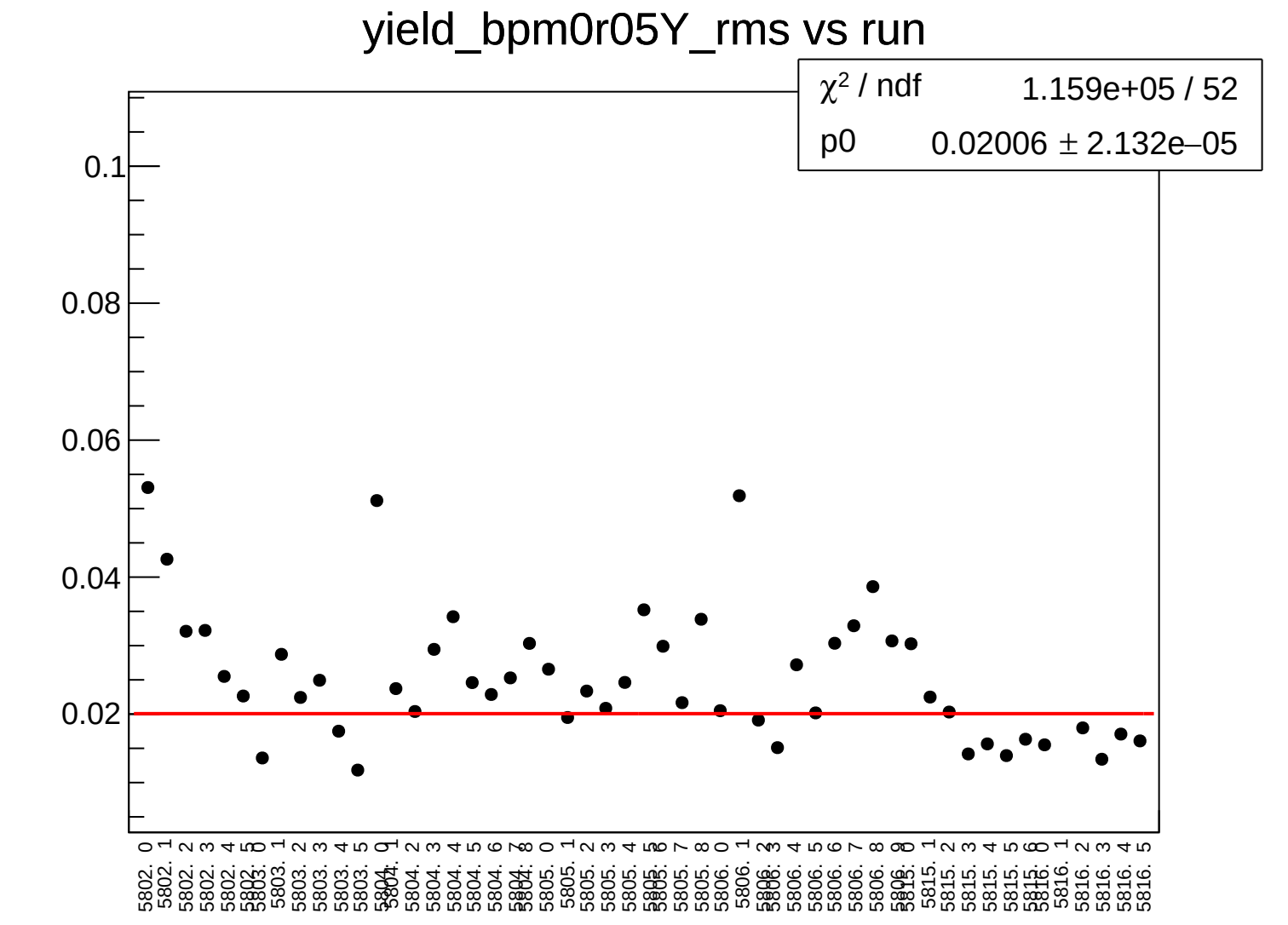

yield_bpm0r05X_mean vs run
χ² / ndf 4.863e+04 / 52
p0 −0.239 ± 0.0001133
pull
Entries 53
Mean 154.6
Std Dev 0

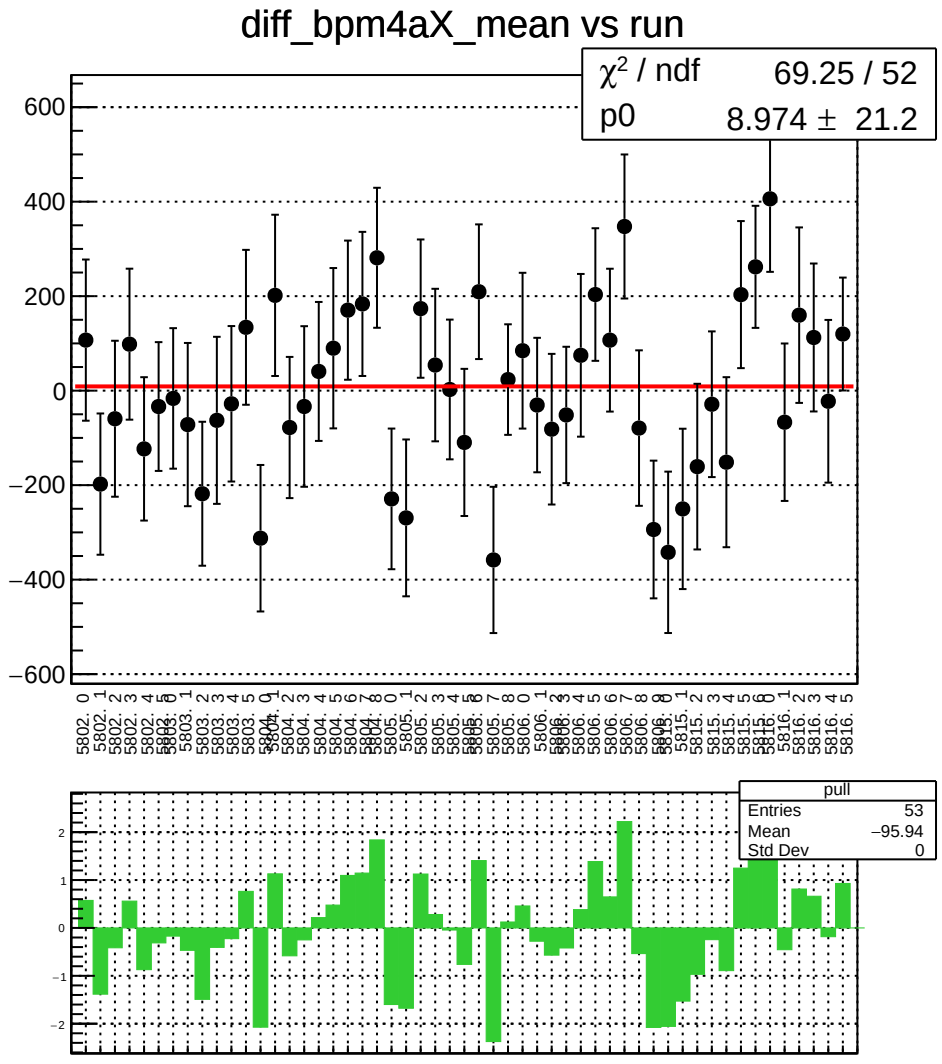

pull1D
Entries 53
Mean −1.706
Std Dev 4.212

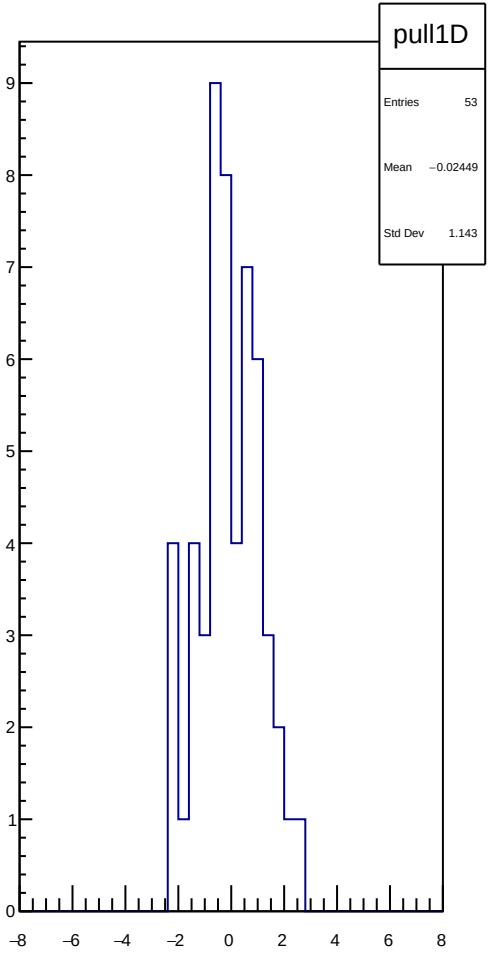

yield_bpm0r05X_rms vs run
χ² / ndf 1918 / 52
p0 0.0801 ± 8.012e–05
0.095
0.09
0.085
0.08
0.075

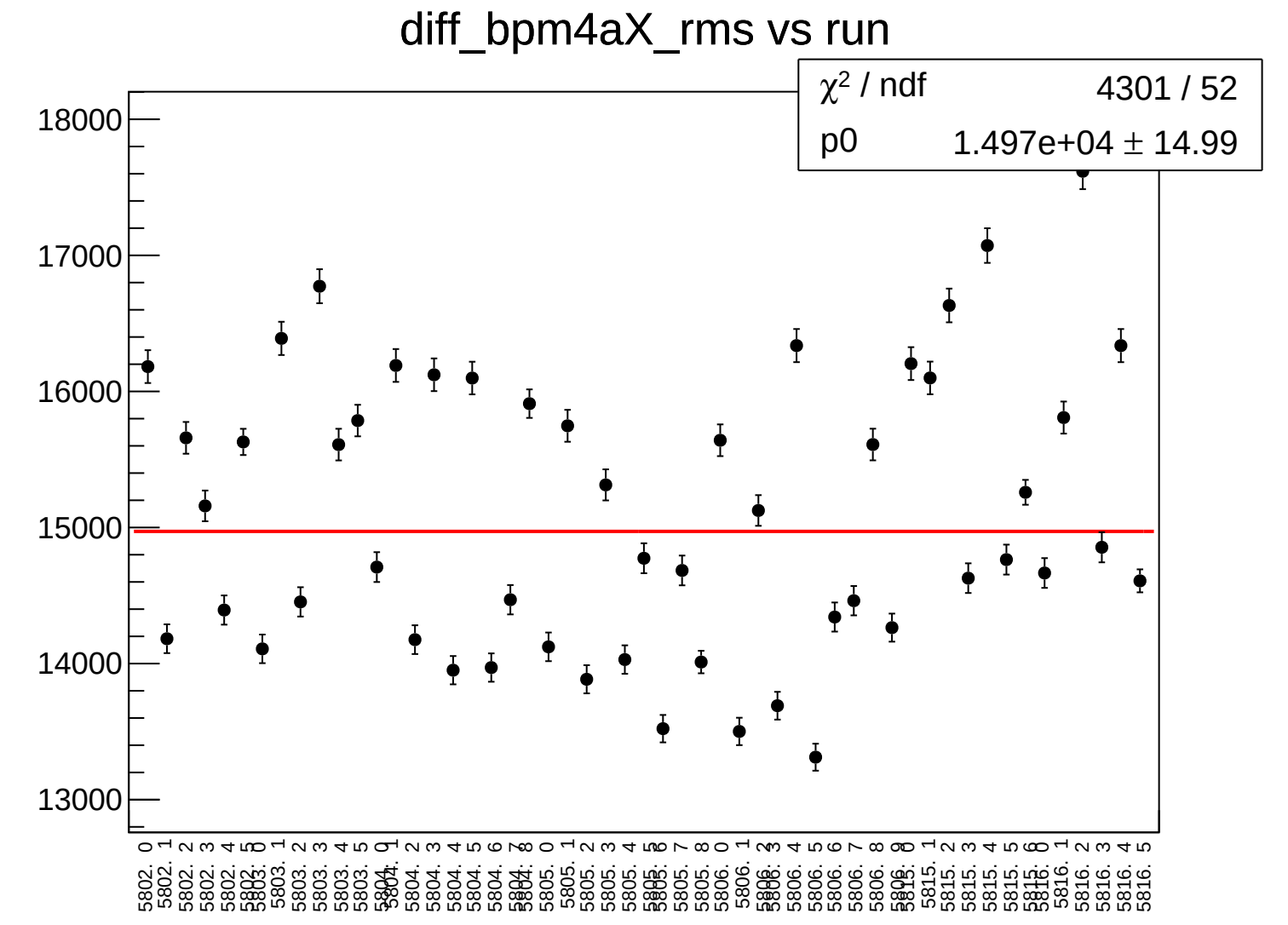

yield_bpm0r05Y_mean vs run
χ² / ndf 5.341e+06 / 52
p0 1.01 ± 3.015e−05
pull
Entries 53
Mean 19.46
Std Dev 0

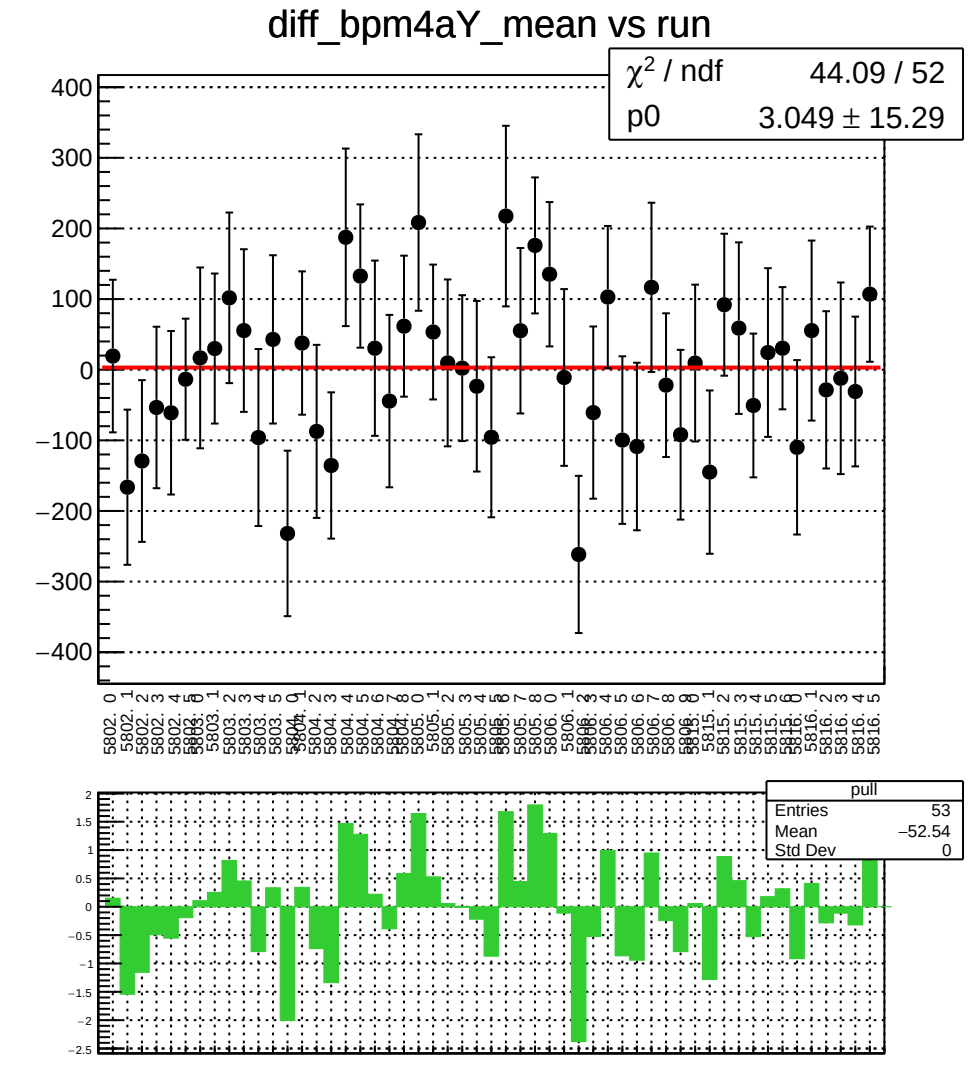

pull1D
Entries 53
Mean 0
Std Dev 0

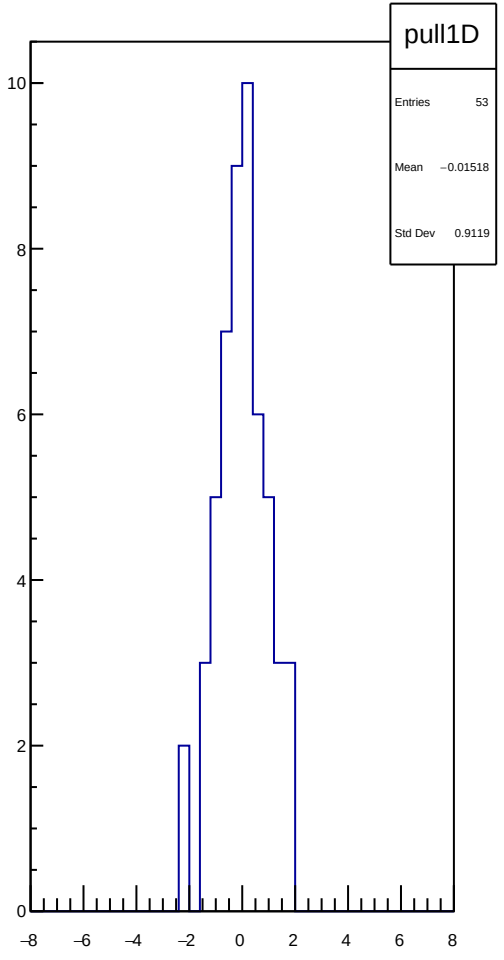

yield_bpm0r05Y_rms vs run
χ² / ndf 1.159e+05 / 52
p0 0.02006 ± 2.132e–05
0.1
0.08
0.06
0.04
0.02

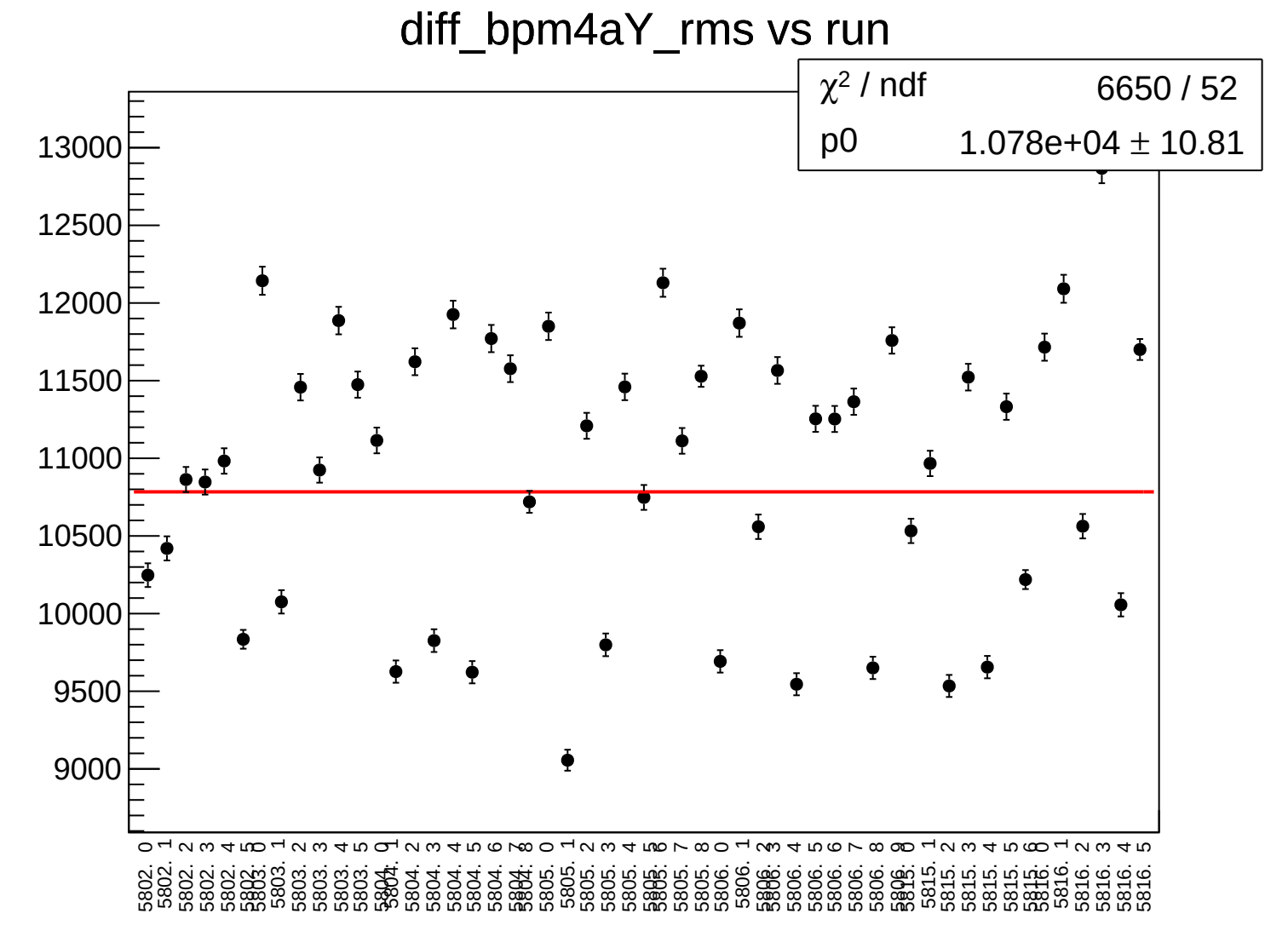

diff_bpm4aX_mean vs run
χ² / ndf 69.25 / 52
p0 8.974 ± 21.2
600
400
200
0
−200
−400
−600
pull
Entries 53
Mean −95.94
Std Dev 0
2
1
0
−1
−2

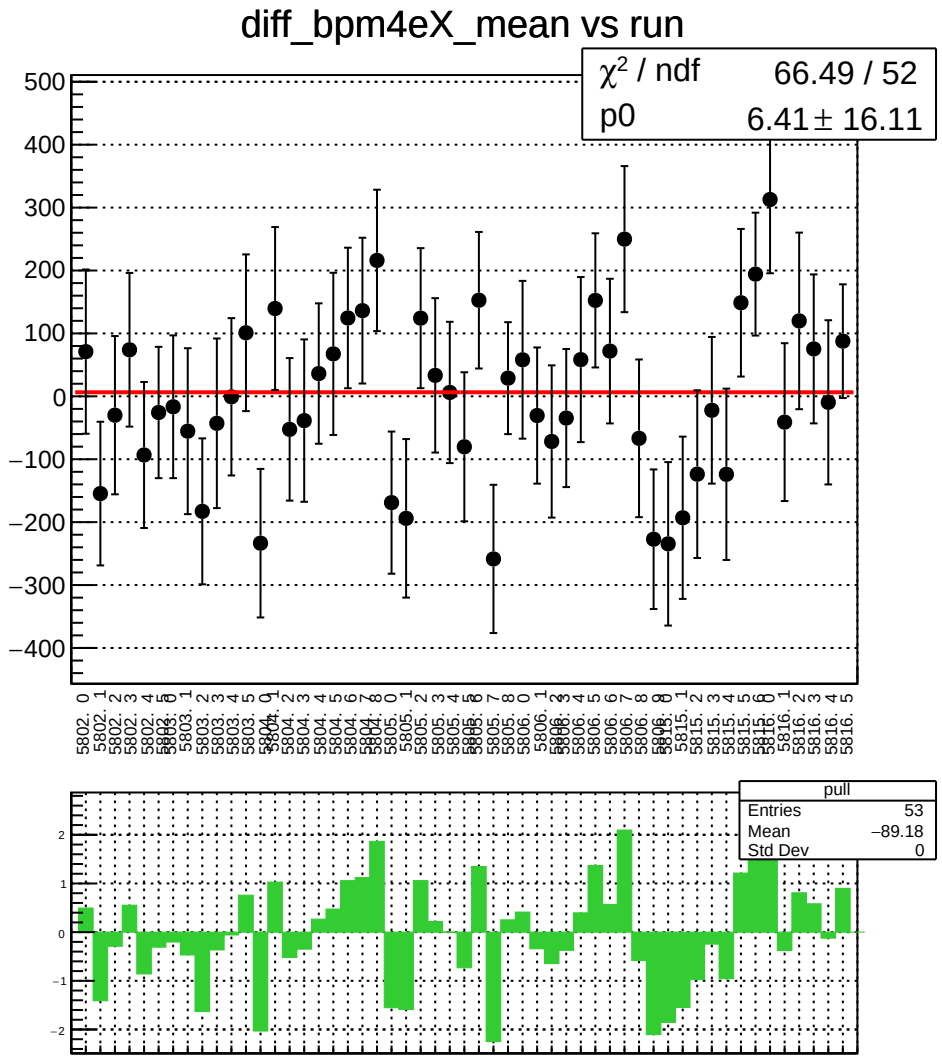

pull1D
Entries 53
Mean −0.02449
Std Dev 1.143
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

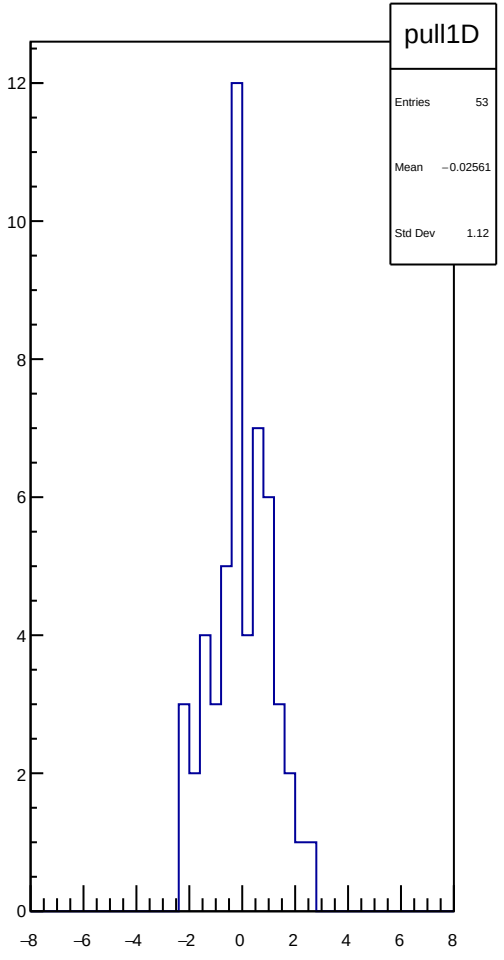

diff_bpm4aX_rms vs run
χ² / ndf 4301 / 52
p0 1.497e+04 ± 14.99
18000
17000
16000
15000
14000
13000

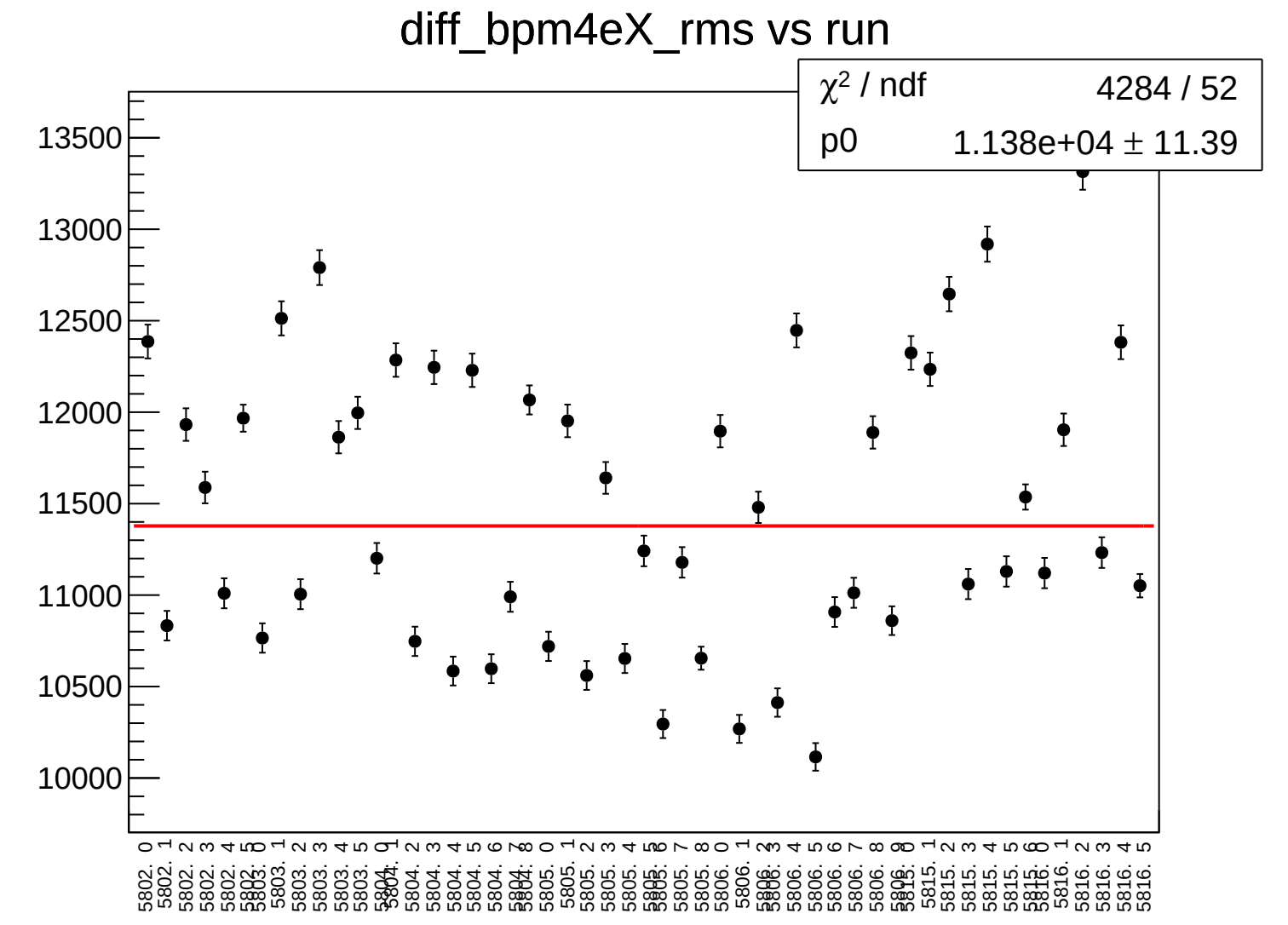

diff_bpm4aY_mean vs run
χ² / ndf 44.09 / 52
p0 3.049 ± 15.29
pull
Entries 53
Mean −52.54
Std Dev 0

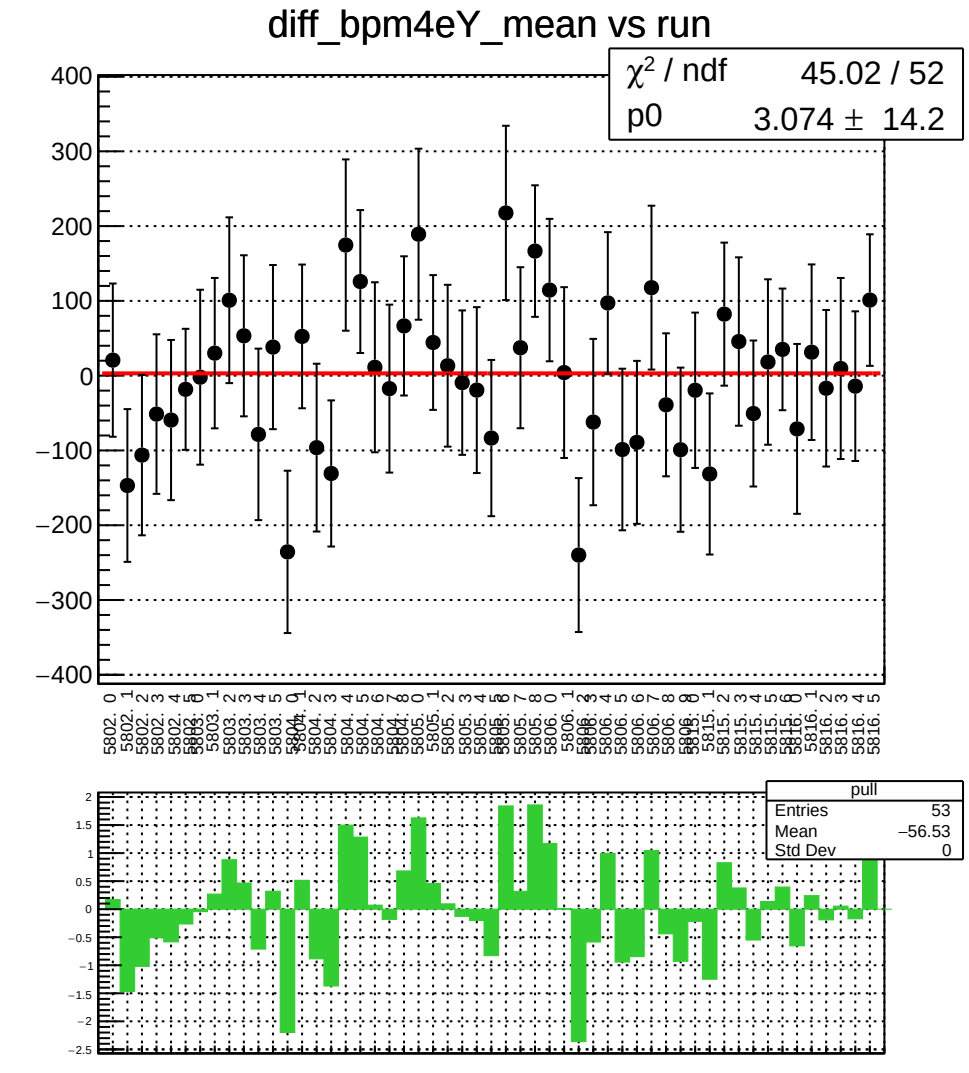

pull1D
Entries 53
Mean −0.01518
Std Dev 0.9119

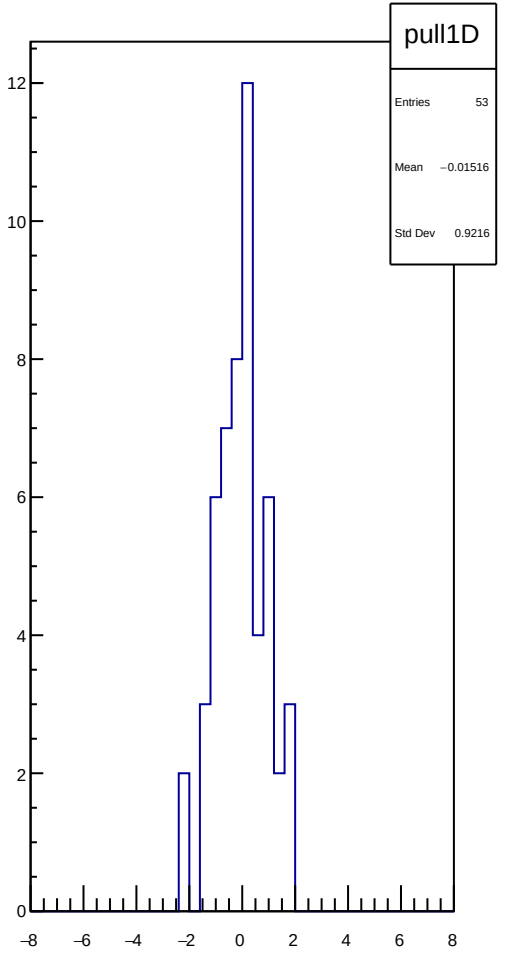

diff_bpm4aY_rms vs run
χ² / ndf 6650 / 52
p0 1.078e+04 ± 10.81
13000
12500
12000
11500
11000
10500
10000
9500
9000

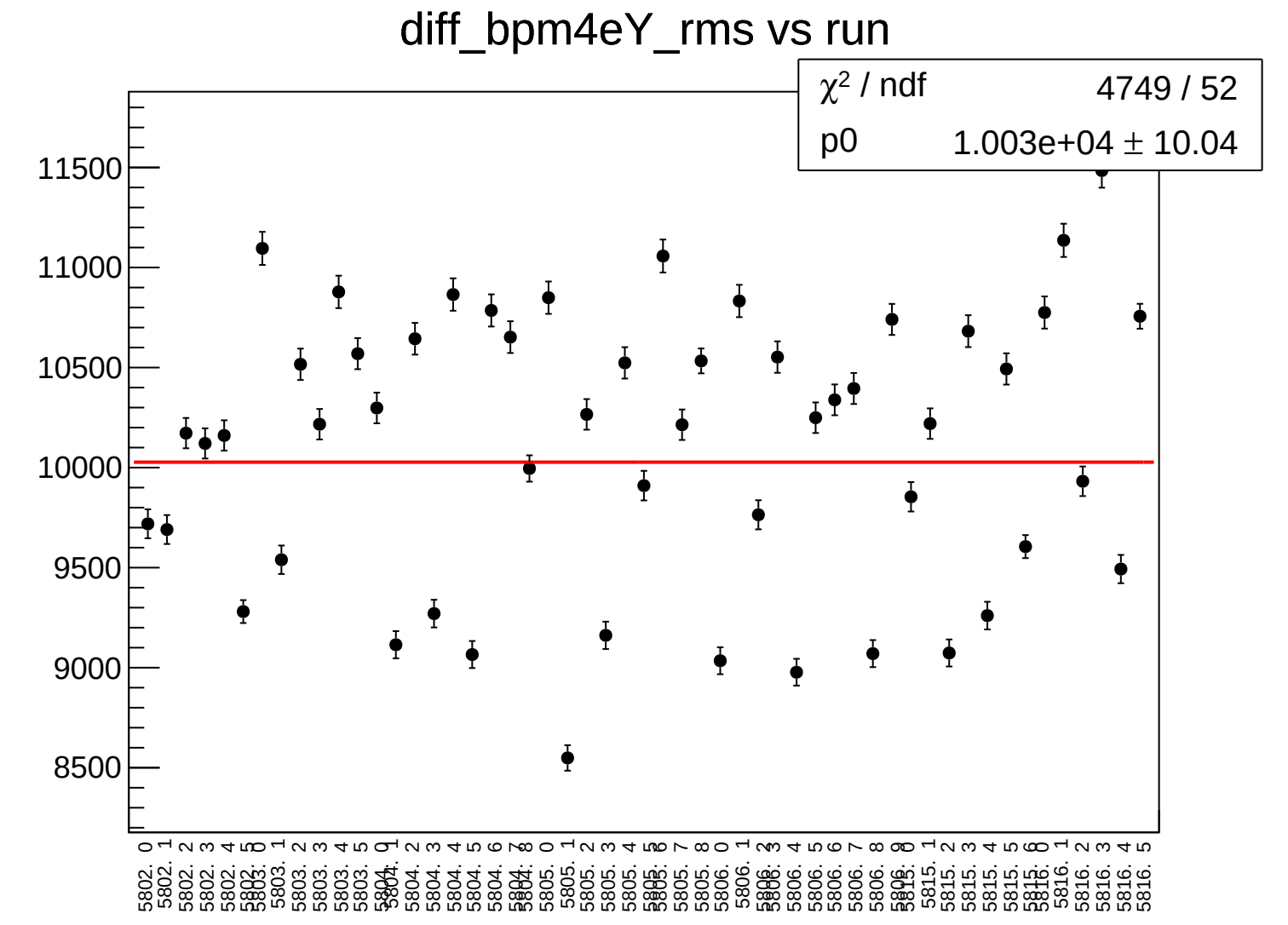

diff_bpm4eX_mean vs run
χ² / ndf 66.49 / 52
p0 6.41 ± 16.11
pull
Entries 53
Mean −89.18
Std Dev 0

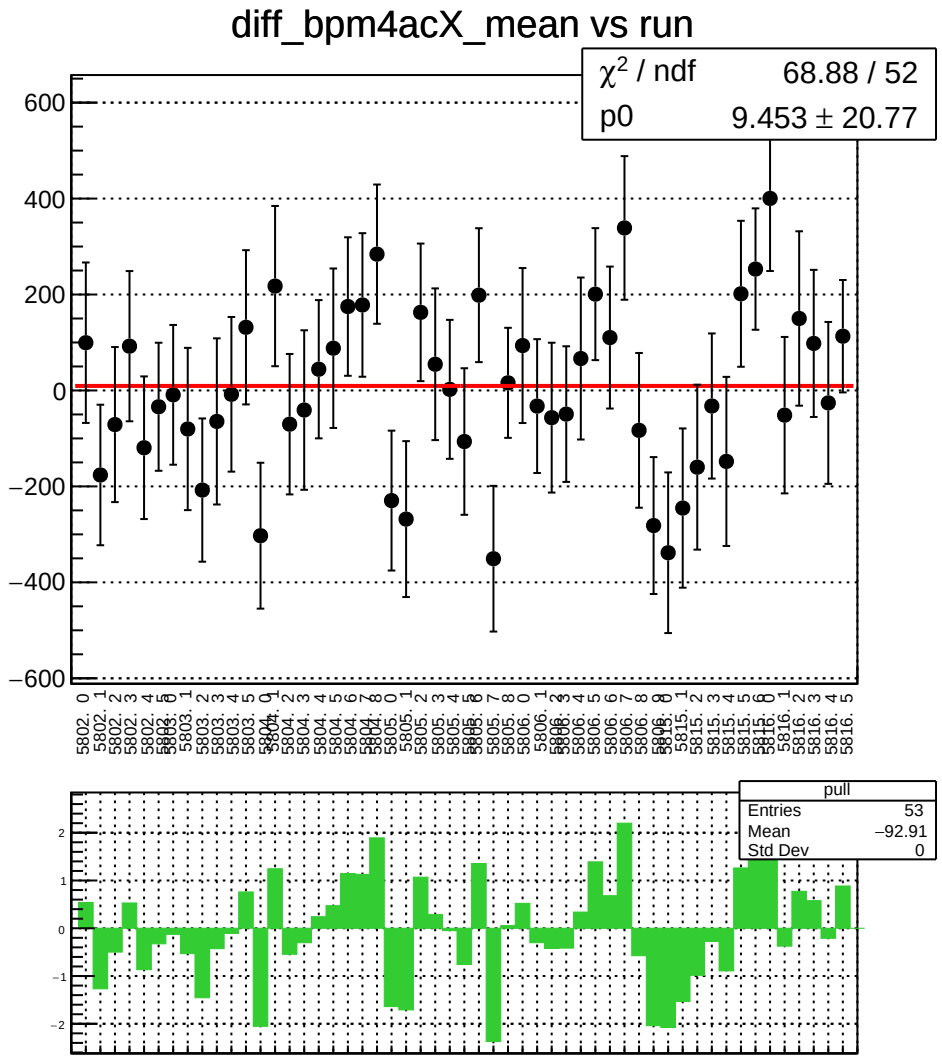

pull1D
Entries 53
Mean −0.02561
Std Dev 1.12

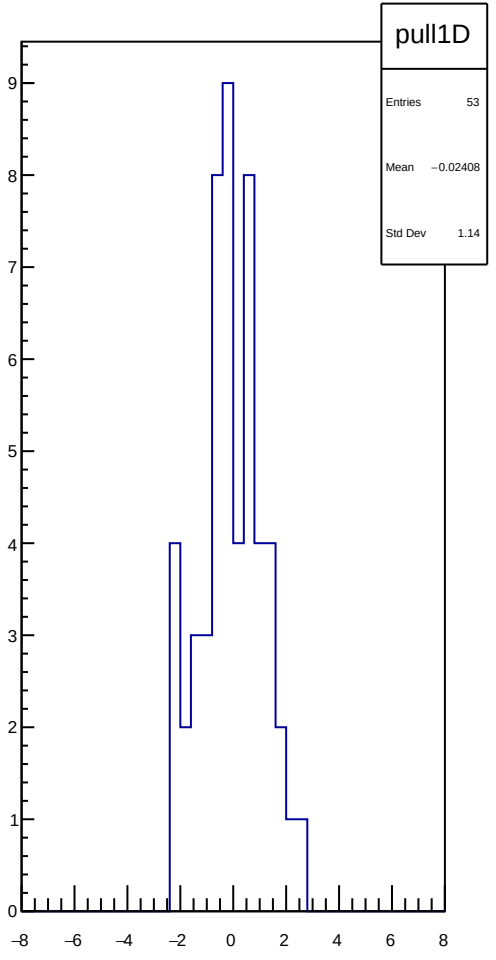

diff_bpm4eX_rms vs run
χ² / ndf 4284 / 52
p0 1.138e+04 ± 11.39
13500
13000
12500
12000
11500
11000
10500
10000

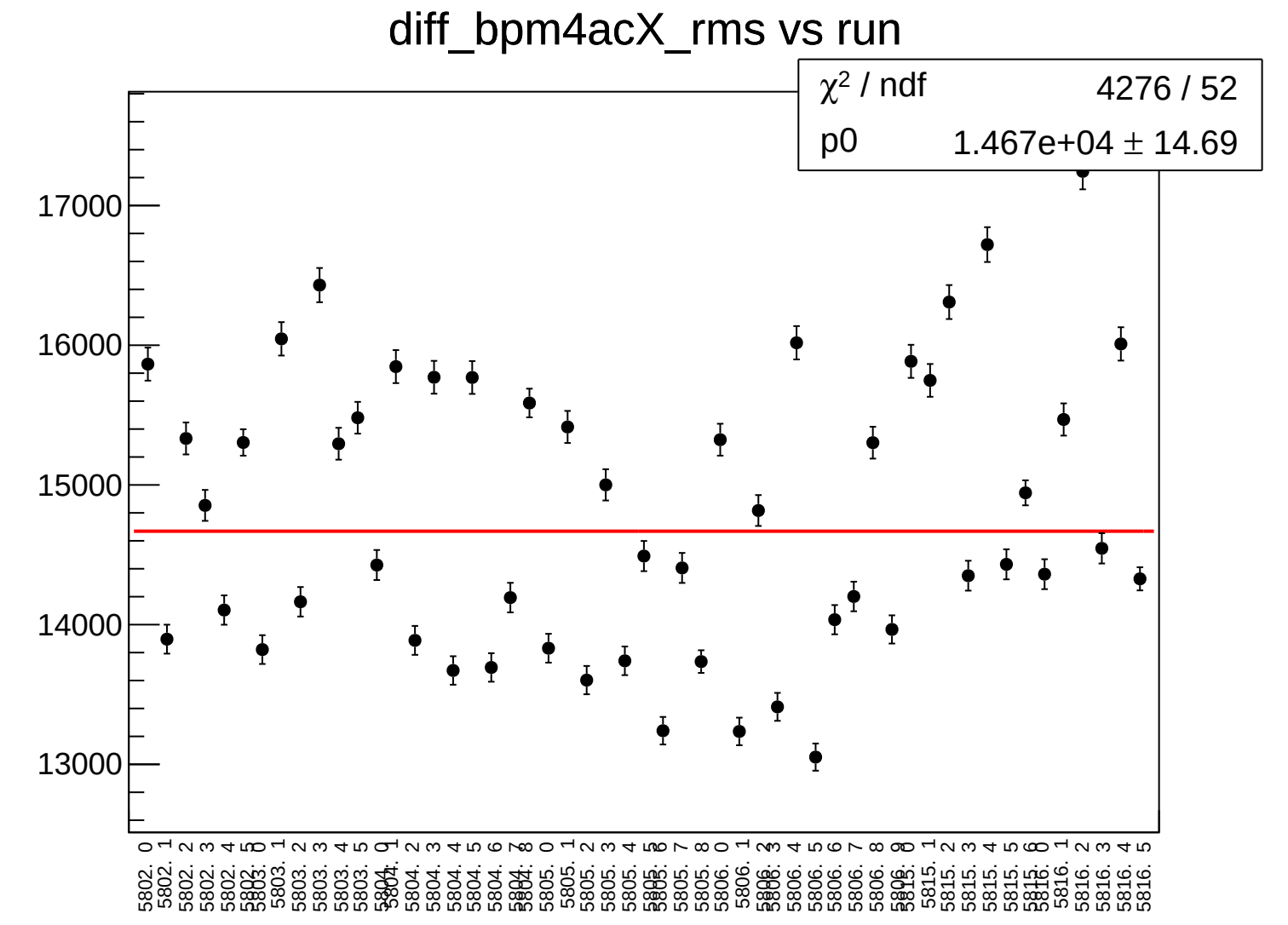

diff_bpm4eY_mean vs run
χ² / ndf 45.02 / 52
p0 3.074 ± 14.2
pull
Entries 53
Mean −56.53
Std Dev 0

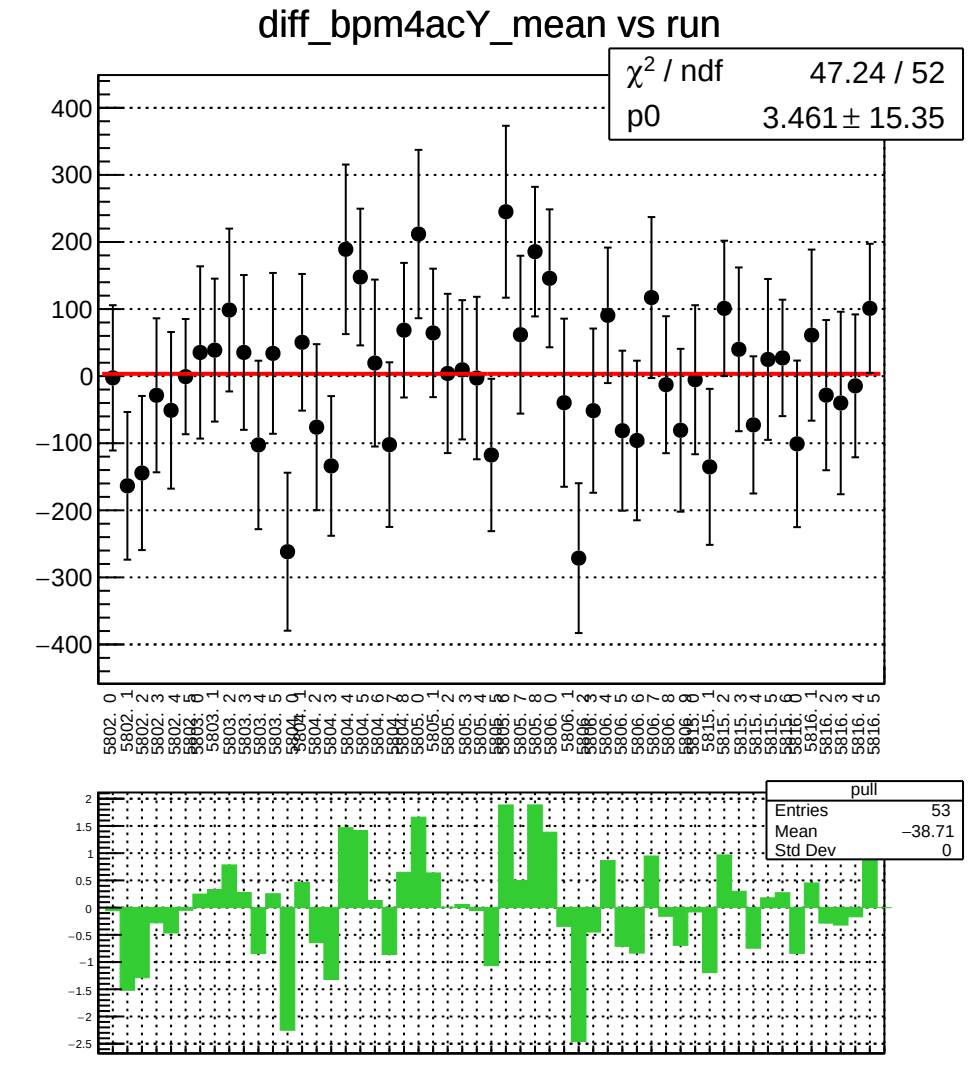

pull1D
Entries 53
Mean −0.01516
Std Dev 0.9216

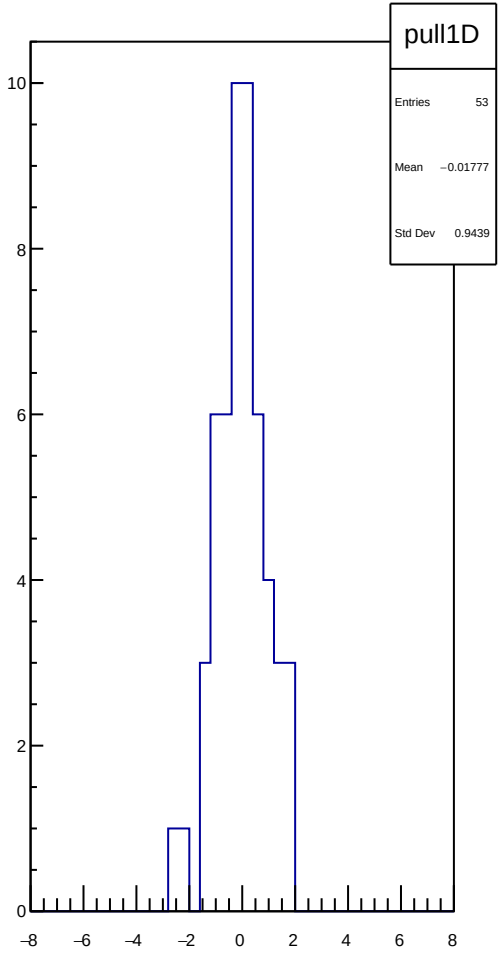

diff_bpm4eY_rms vs run
χ² / ndf 4749 / 52
p0 1.003e+04 ± 10.04
11500
11000
10500
10000
9500
9000
8500

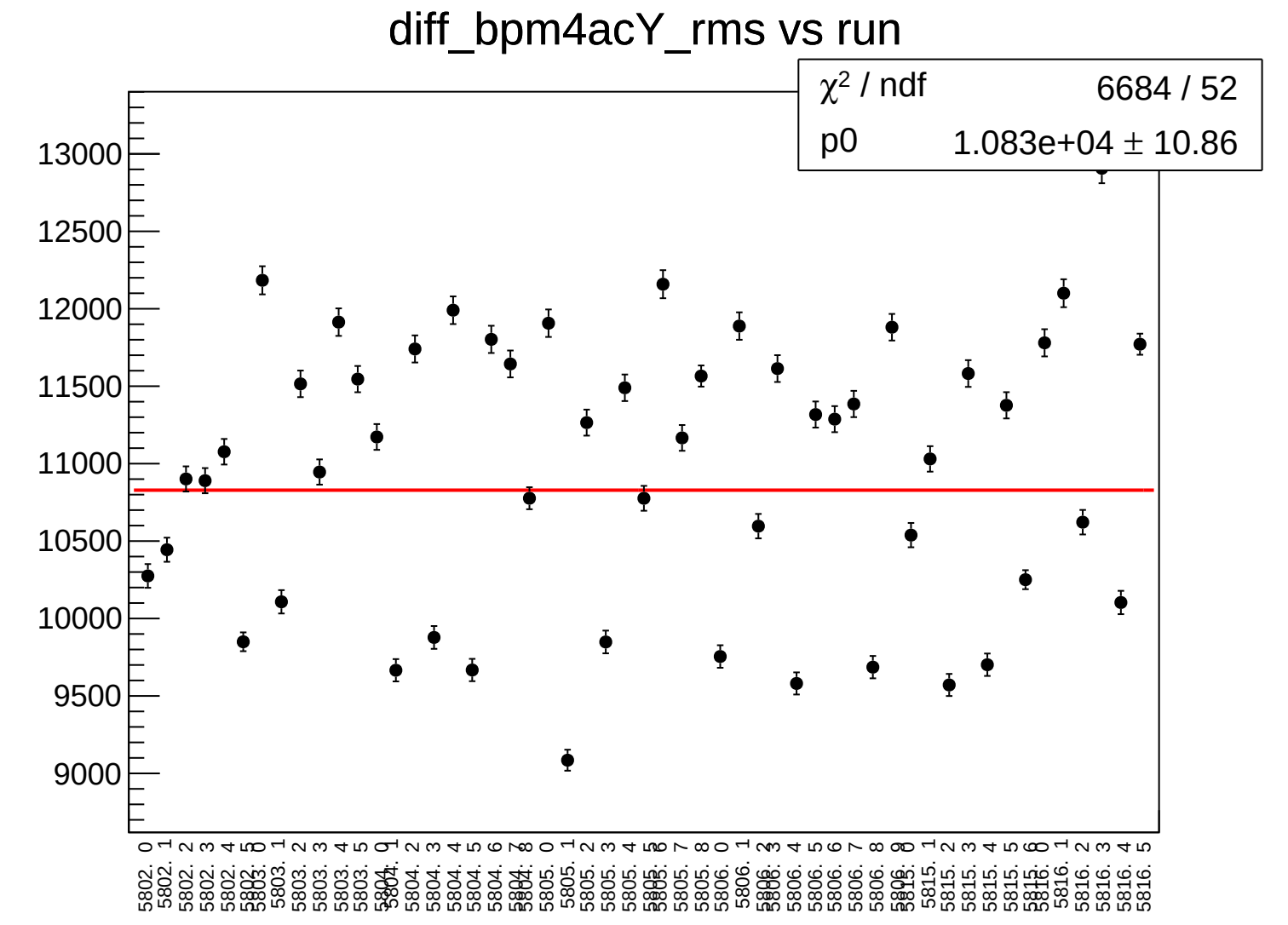

diff_bpm4acX_mean vs run
χ² / ndf 68.88 / 52
p0 9.453 ± 20.77
pull
Entries 53
Mean −92.91
Std Dev 0

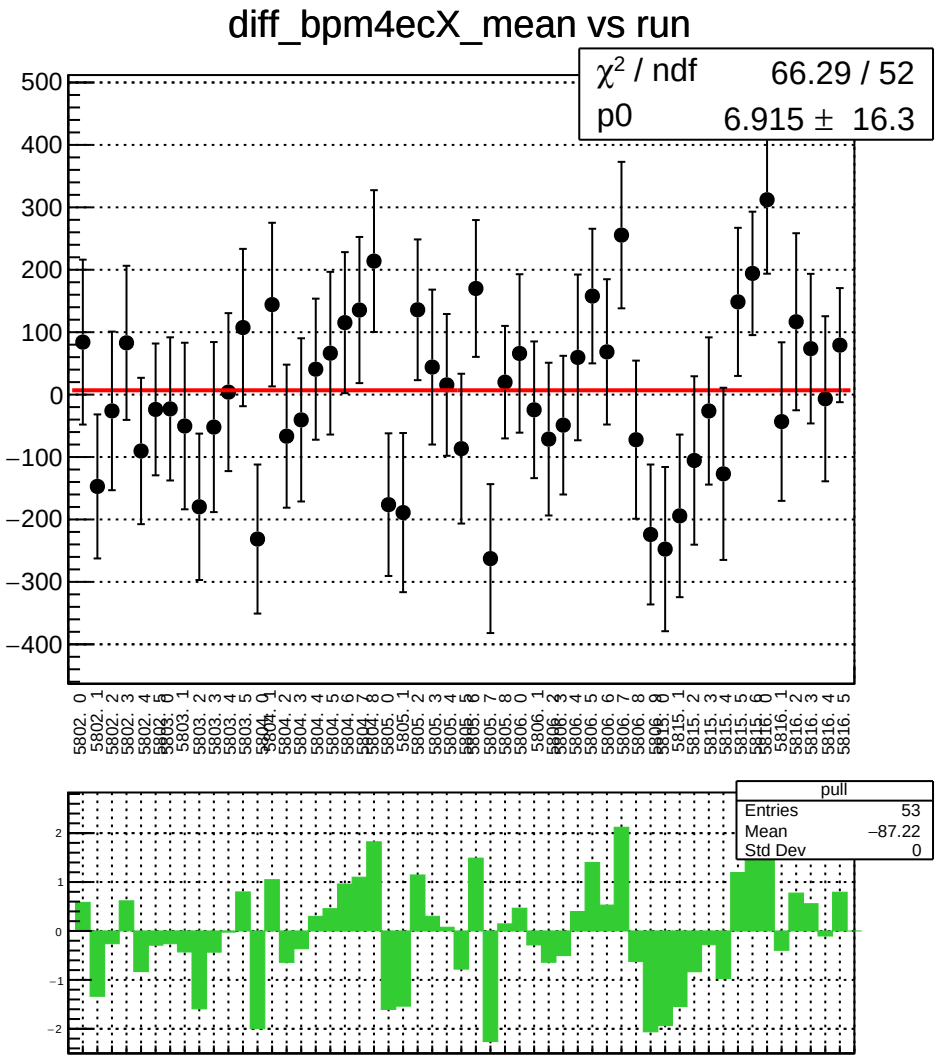

pull1D
Entries 53
Mean −0.02408
Std Dev 1.14

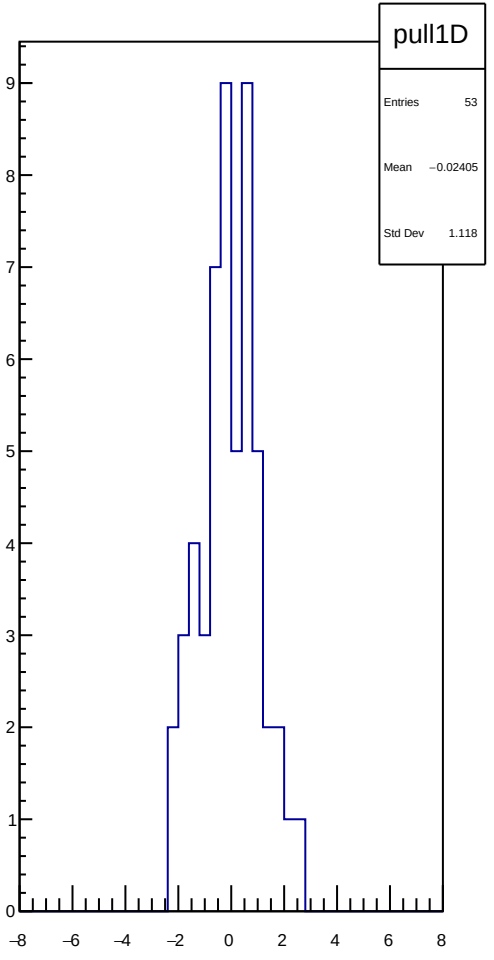

diff_bpm4acX_rms vs run
χ² / ndf 4276 / 52
p0 1.467e+04 ± 14.69
17000
16000
15000
14000
13000

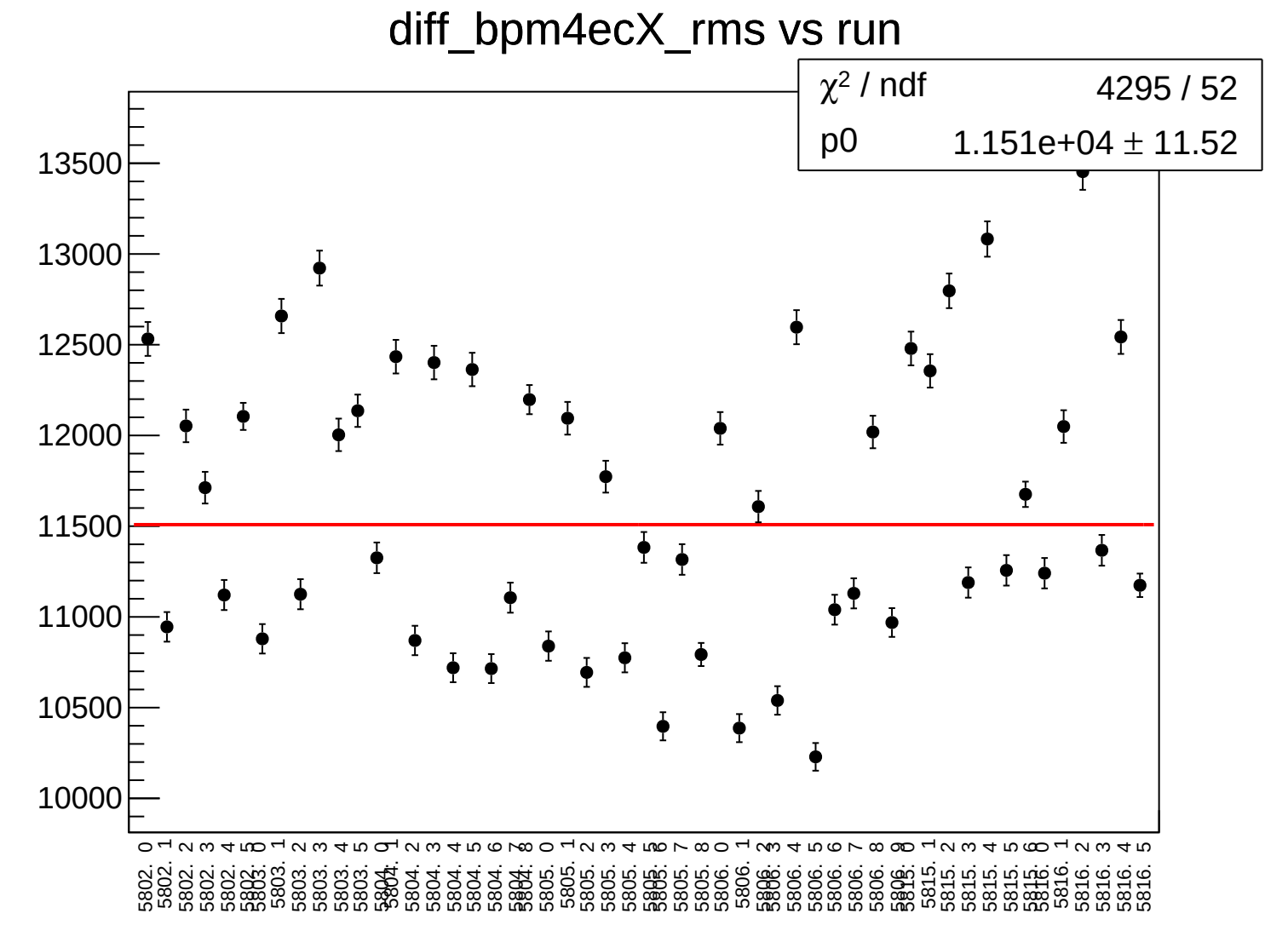

diff_bpm4acY_mean vs run
χ² / ndf 47.24 / 52
p0 3.461 ± 15.35
pull
Entries 53
Mean −38.71
Std Dev 0

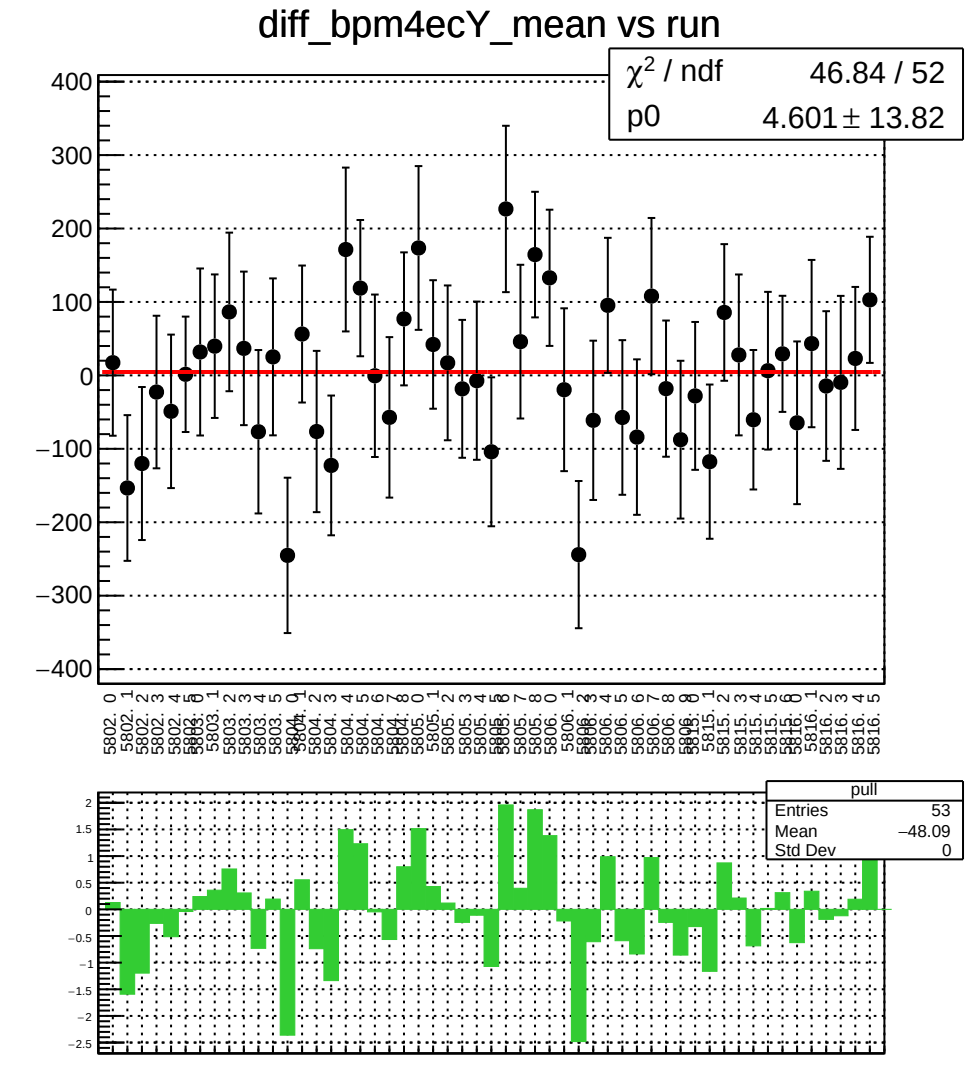

pull1D
Entries 53
Mean −0.01777
Std Dev 0.9439

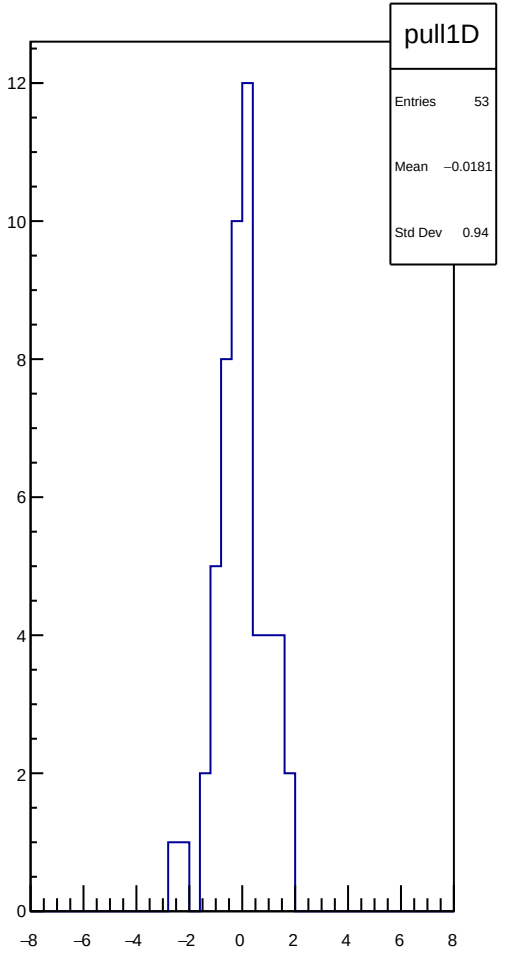

diff_bpm4acY_rms vs run
χ² / ndf 6684 / 52
p0 1.083e+04 ± 10.86
13000
12500
12000
11500
11000
10500
10000
9500
9000

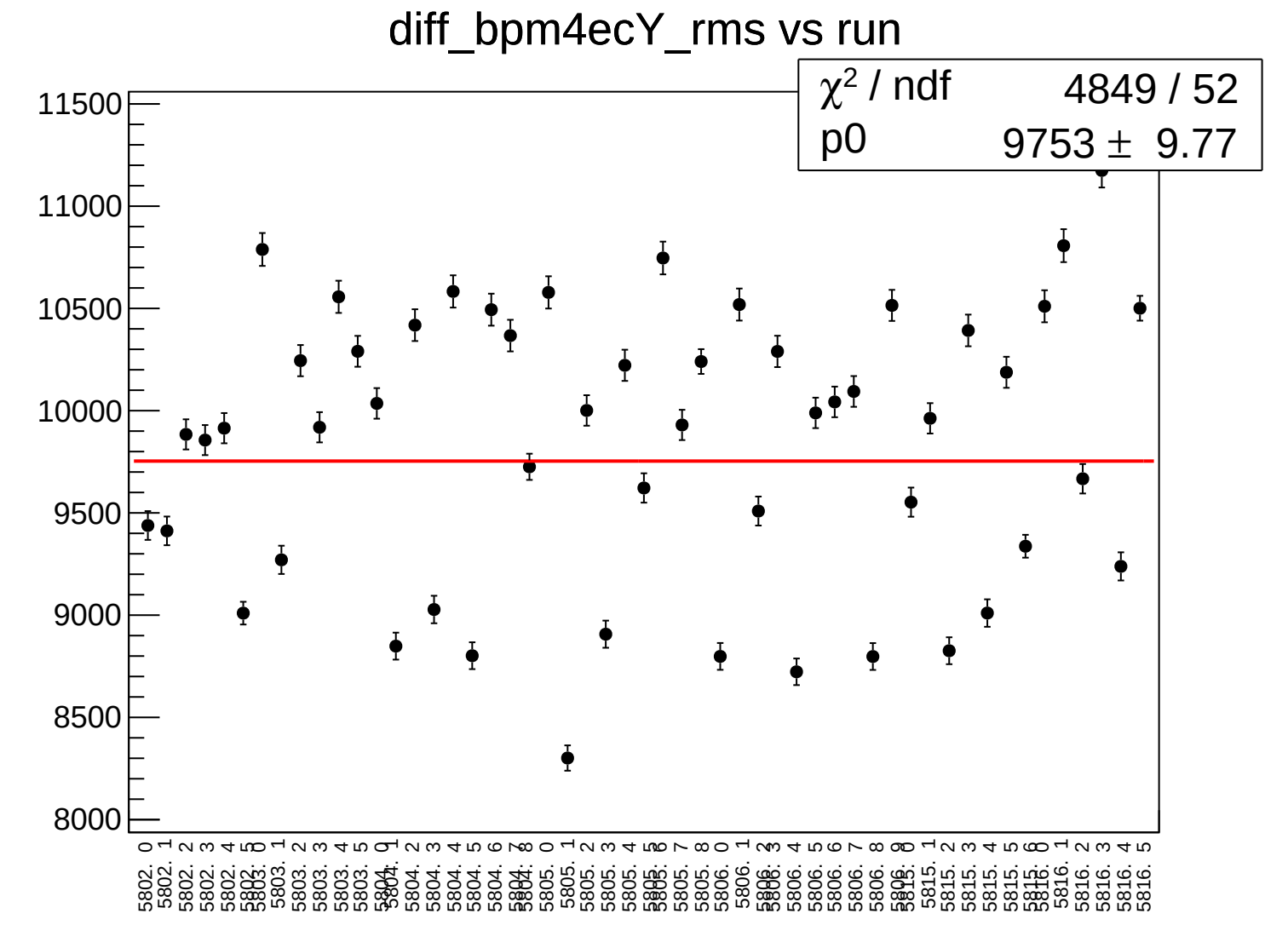

diff_bpm4ecX_mean vs run
χ² / ndf 66.29 / 52
p0 6.915 ± 16.3
pull
Entries 53
Mean −87.22
Std Dev 0

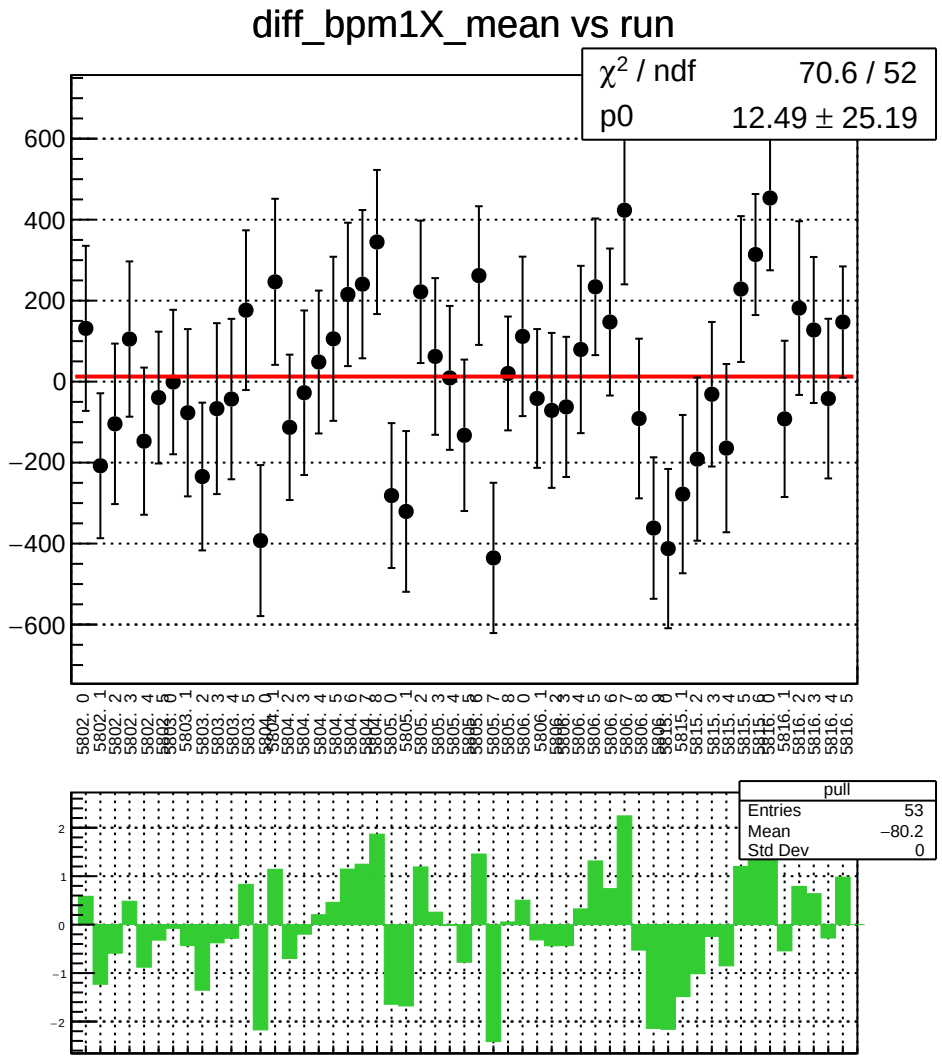

pull1D
Entries 53
Mean −0.02405
Std Dev 1.118

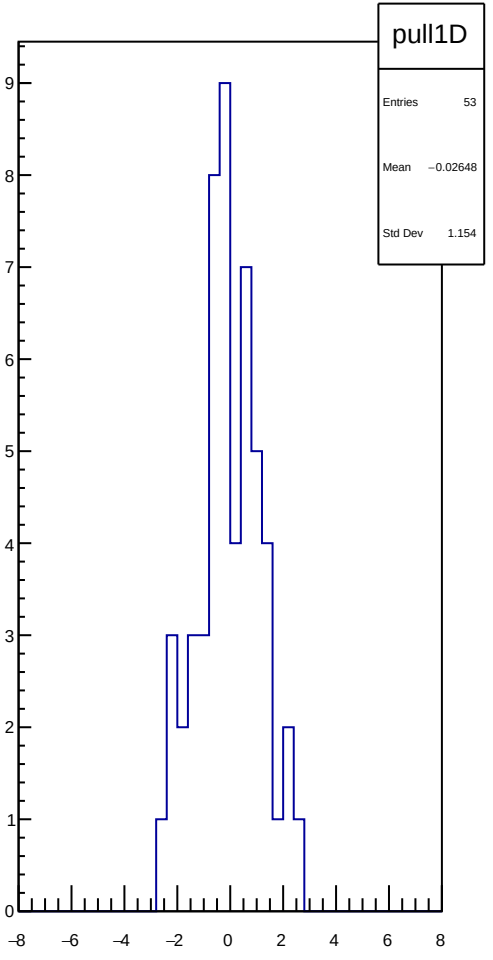

diff_bpm4ecX_rms vs run
χ² / ndf 4295 / 52
p0 1.151e+04 ± 11.52
13500
13000
12500
12000
11500
11000
10500
10000

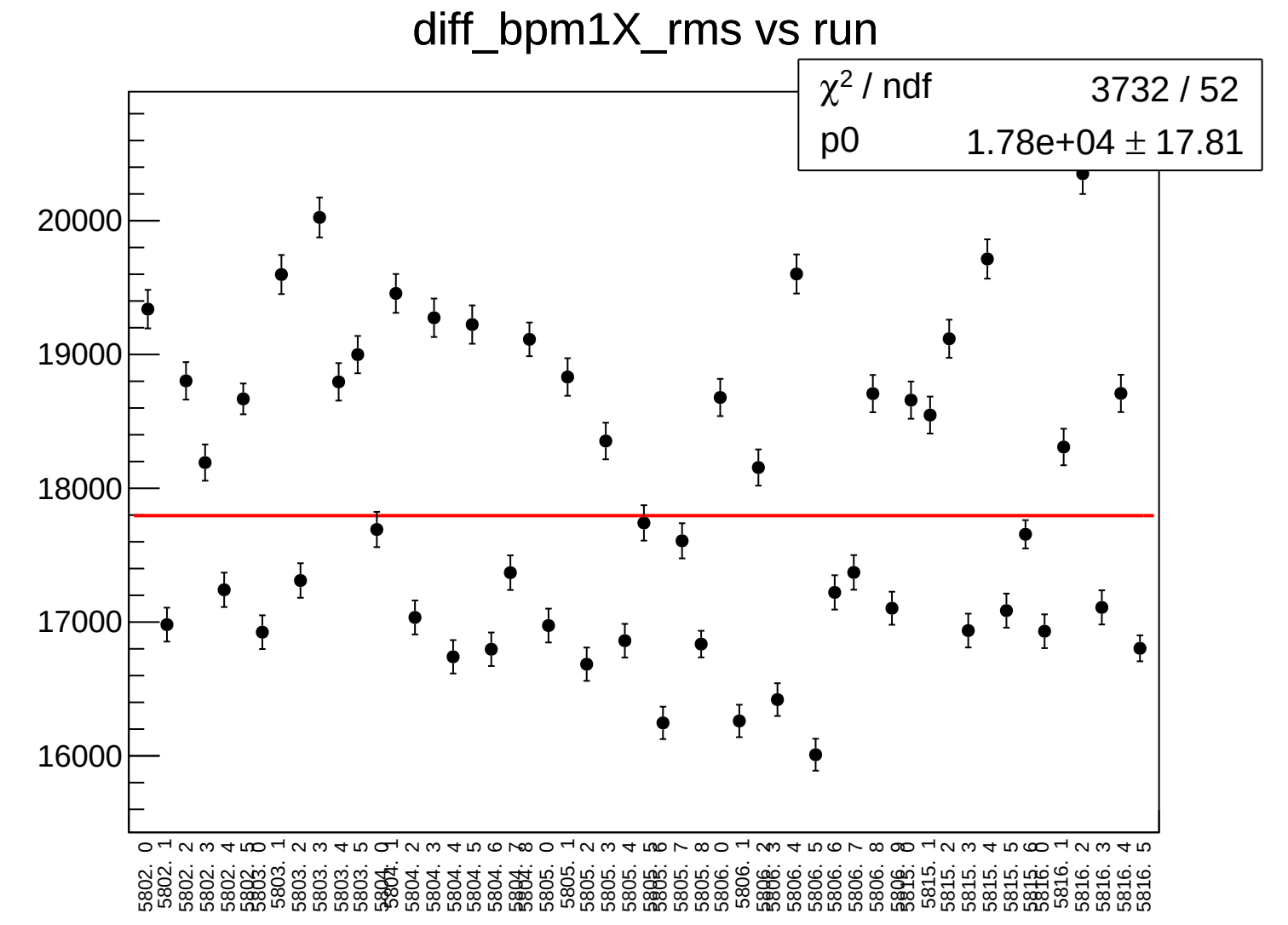

diff_bpm4ecY_mean vs run
χ² / ndf 46.84 / 52
p0 4.601 ± 13.82
pull
Entries 53
Mean −48.09
Std Dev 0

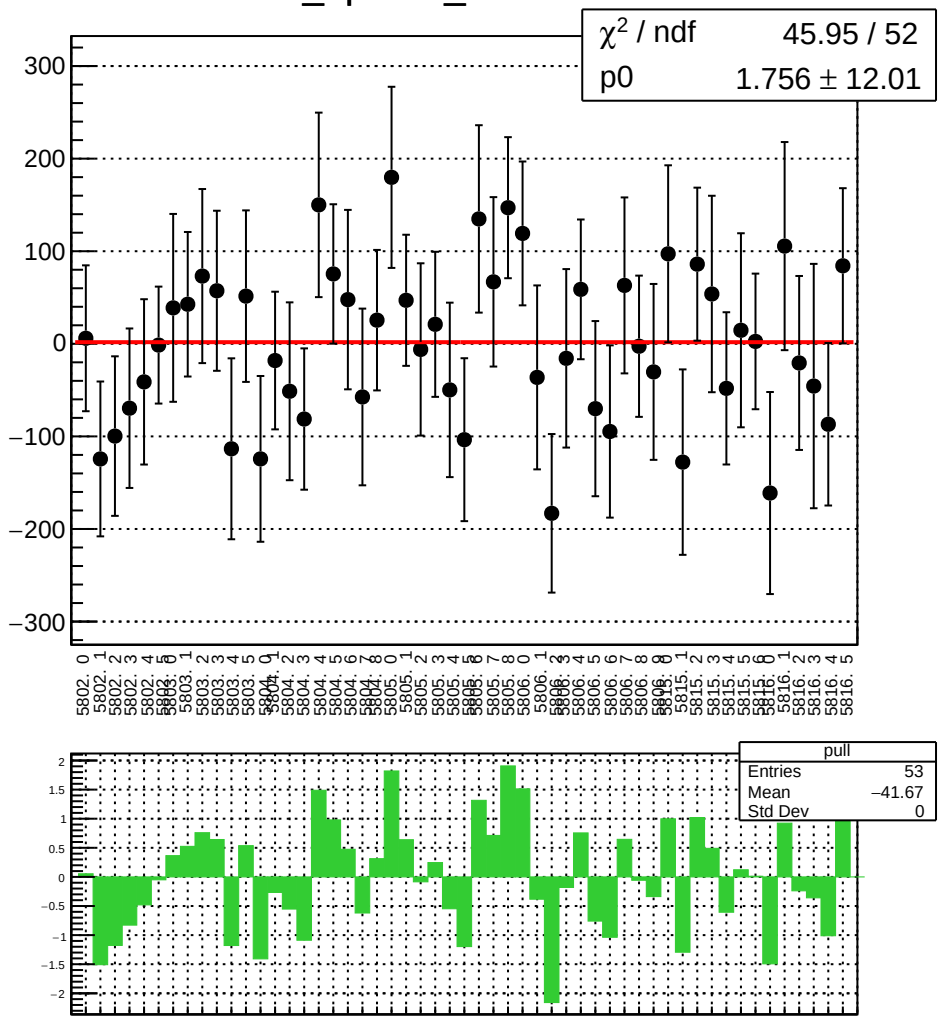

pull1D
Entries 53
Mean −0.0181
Std Dev 0.94

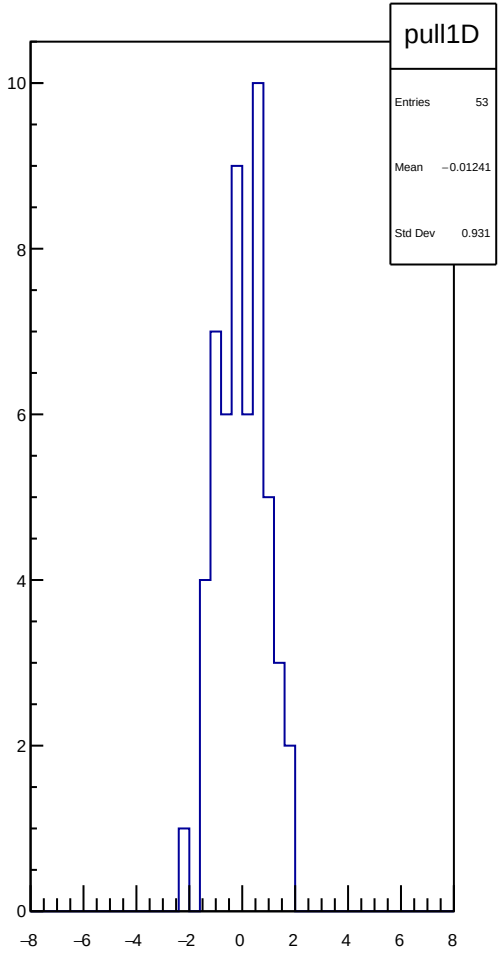

diff_bpm4ecY_rms vs run
χ² / ndf 4849 / 52
p0 9753 ± 9.77
11500
11000
10500
10000
9500
9000
8500
8000

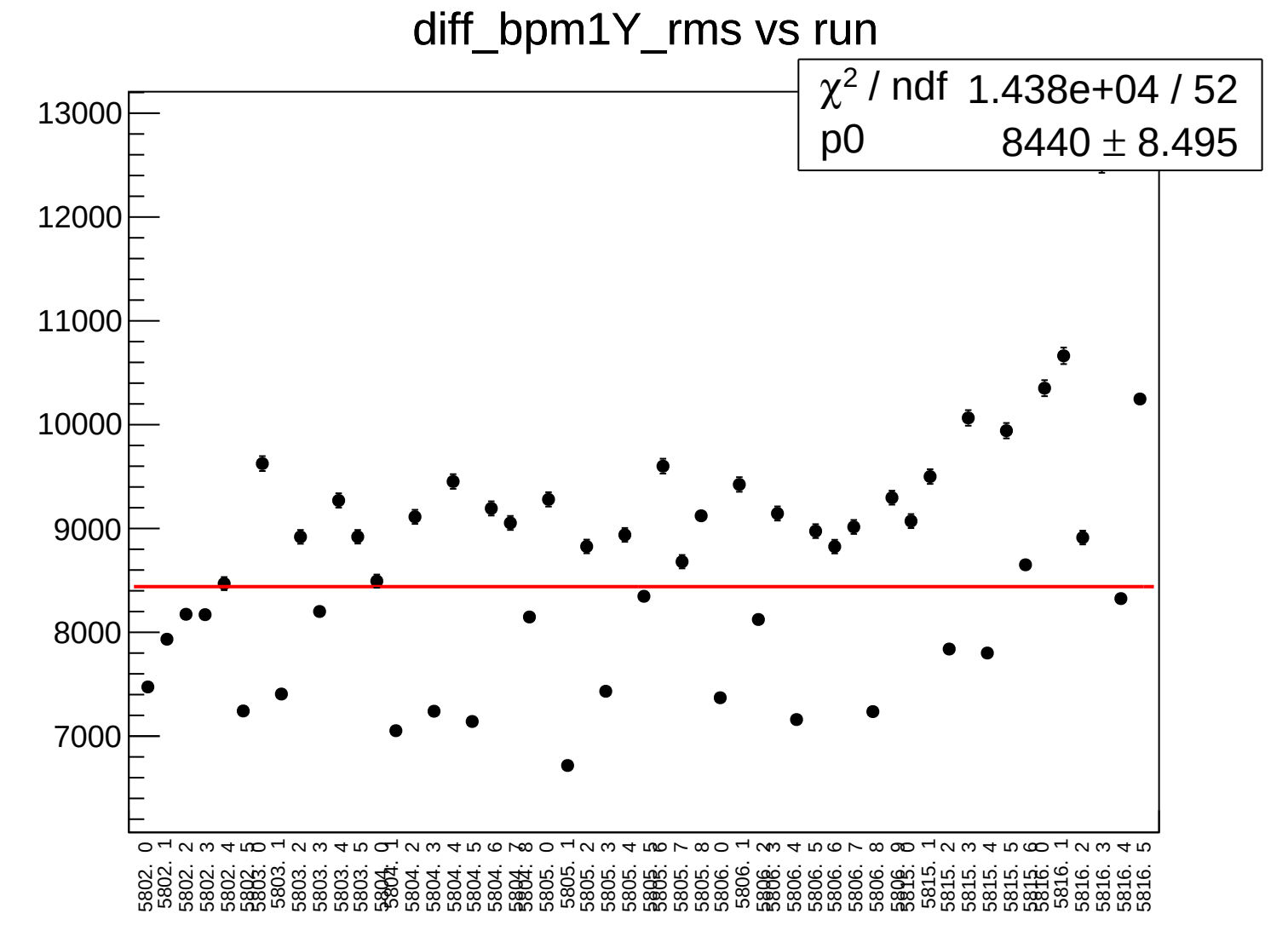

diff_bpm1X_mean vs run
χ² / ndf 70.6 / 52
p0 12.49 ± 25.19
pull
Entries 53
Mean −80.2
Std Dev 0

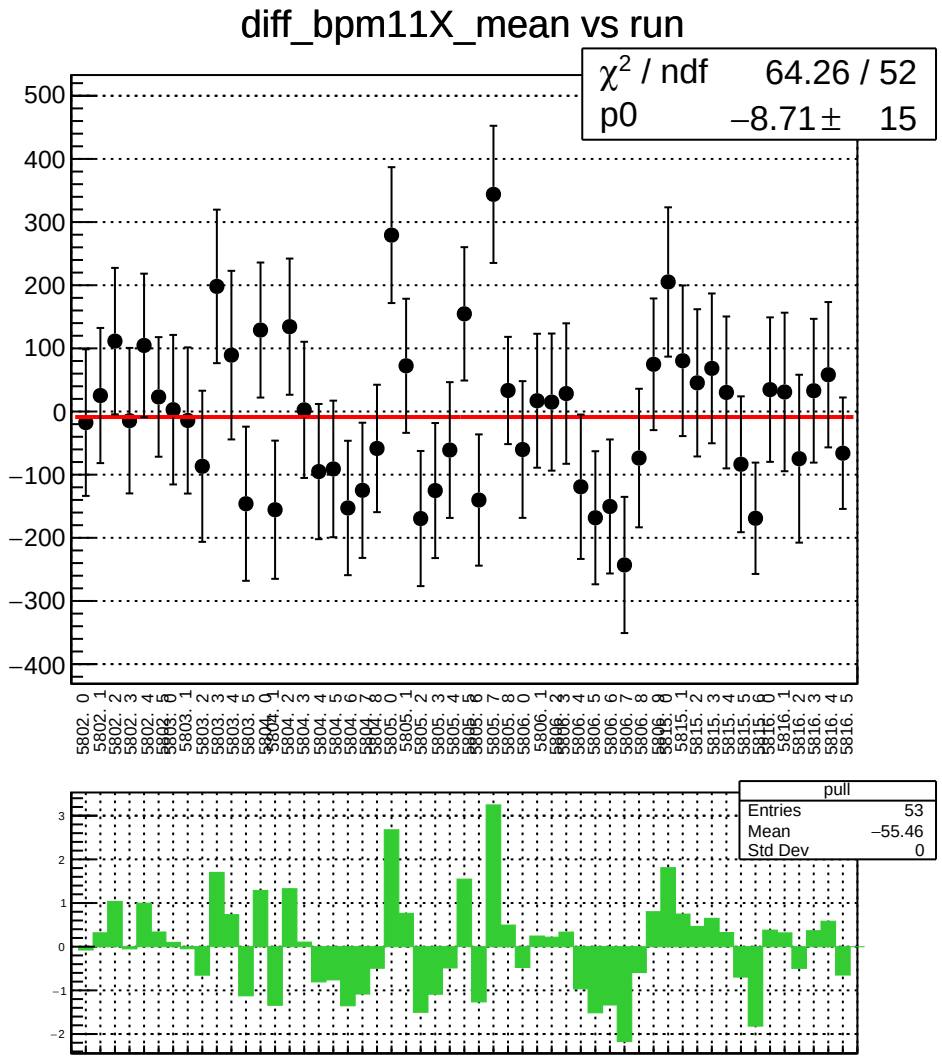

pull1D
Entries 53
Mean −0.02648
Std Dev 1.154

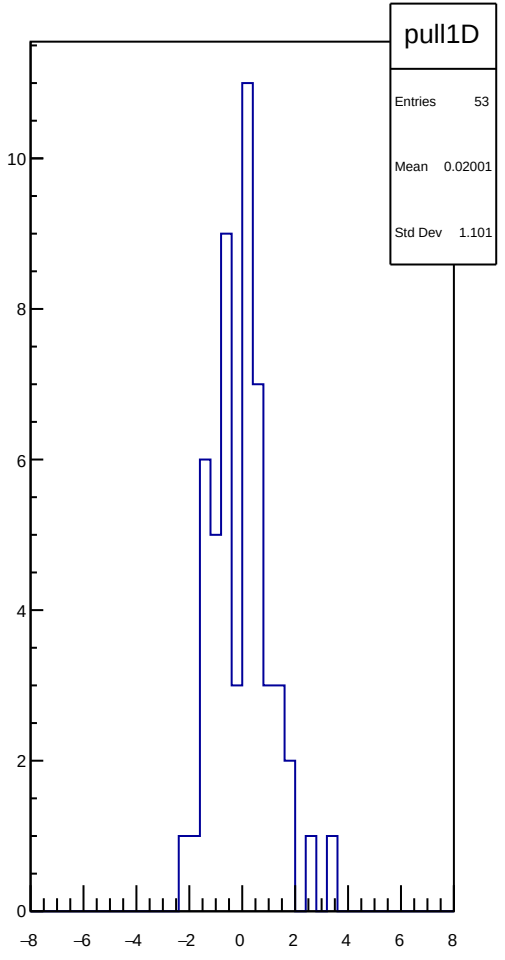

diff_bpm1X_rms vs run
χ² / ndf 3732 / 52
p0 1.78e+04 ± 17.81
20000
19000
18000
17000
16000

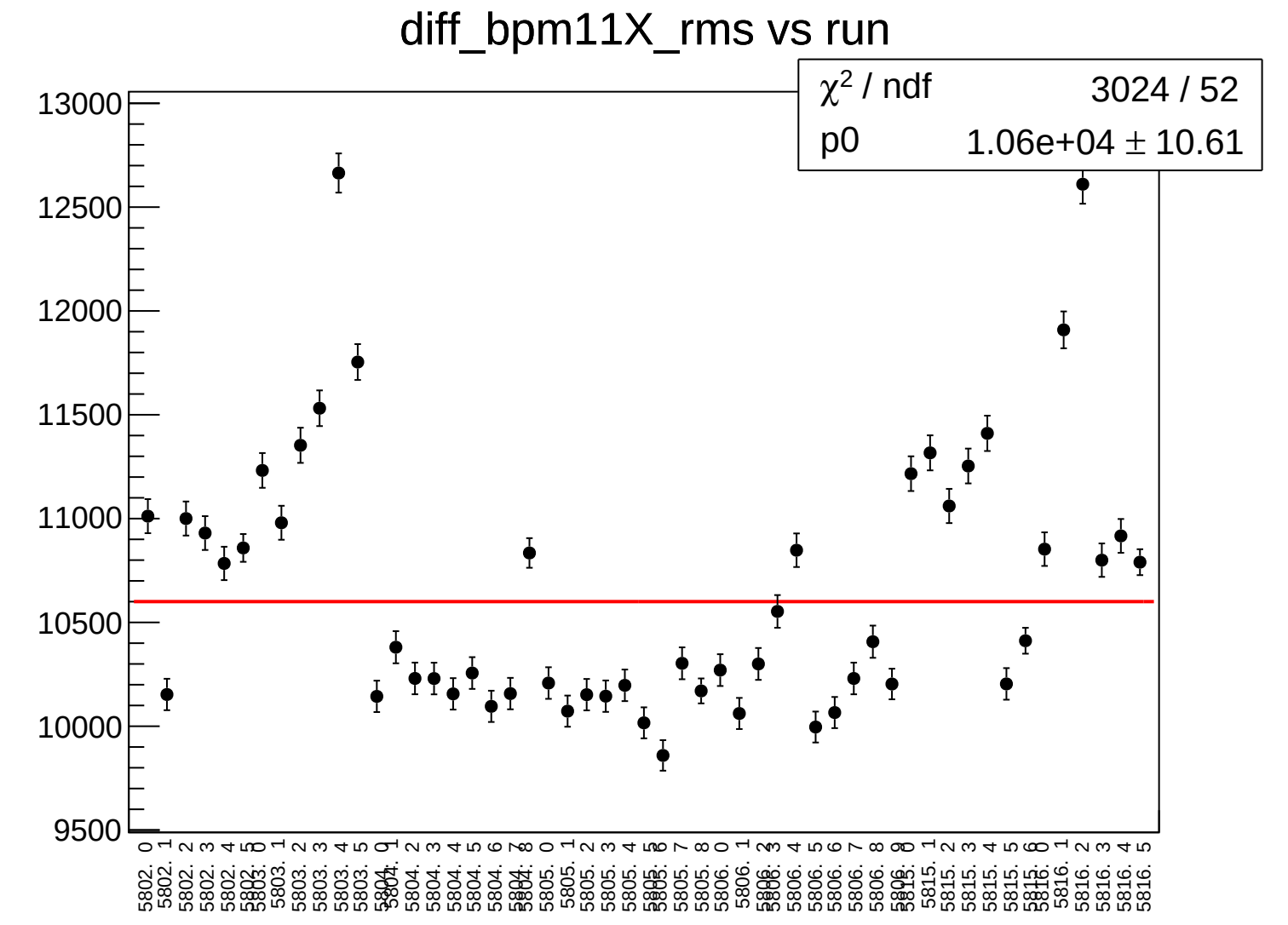

diff_bpm1Y_mean vs run
χ² / ndf 45.95 / 52
p0 1.756 ± 12.01
pull
Entries 53
Mean −41.67
Std Dev 0

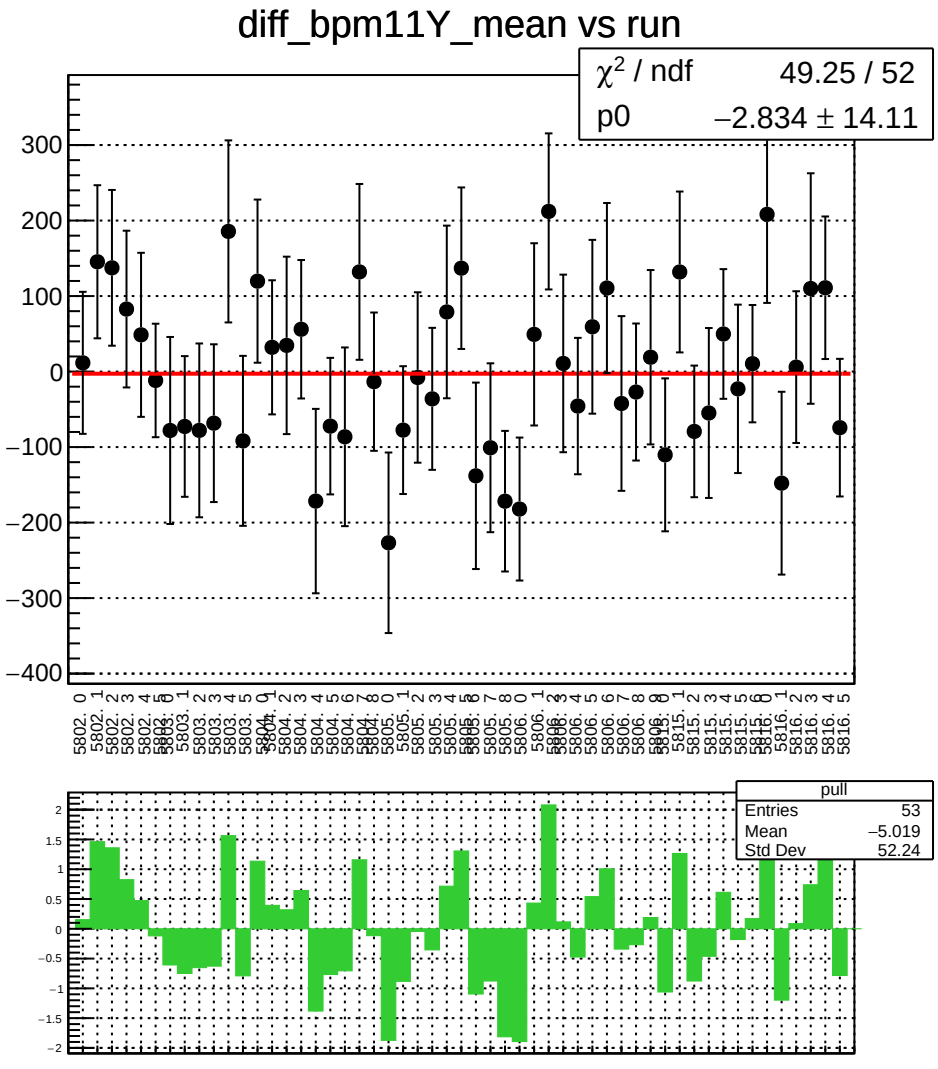

pull1D
Entries 53
Mean −0.01241
Std Dev 0.931

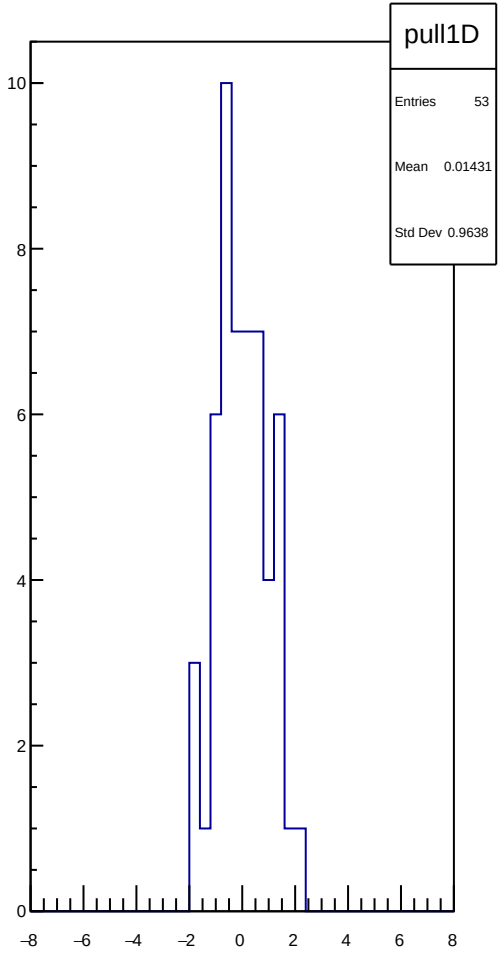

diff_bpm1Y_rms vs run
χ² / ndf 1.438e+04 / 52
p0 8440 ± 8.495
13000
12000
11000
10000
9000
8000
7000

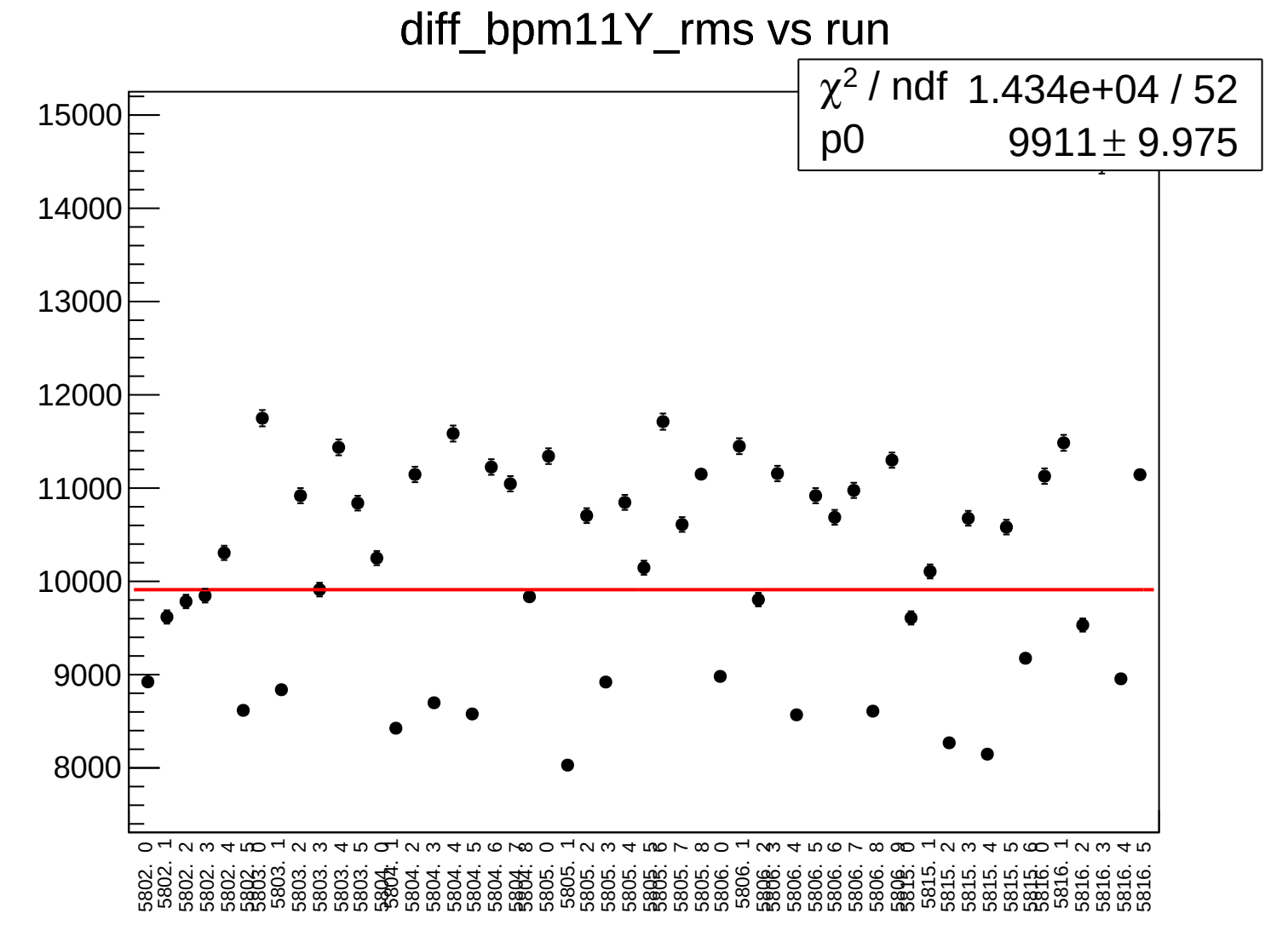

diff_bpm11X_mean vs run
χ² / ndf 64.26 / 52
p0 −8.71 ± 15
pull
Entries 53
Mean −55.46
Std Dev 0

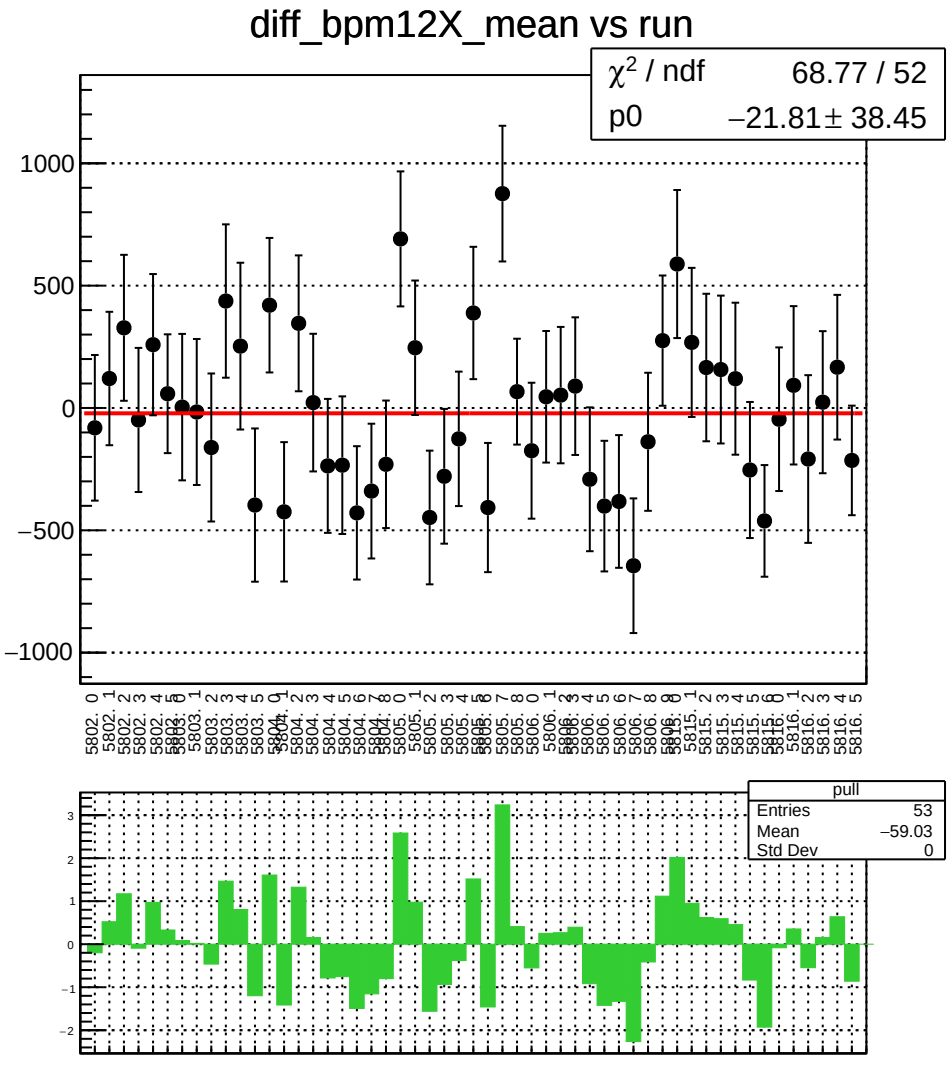

pull1D
Entries 53
Mean 0.02001
Std Dev 1.101

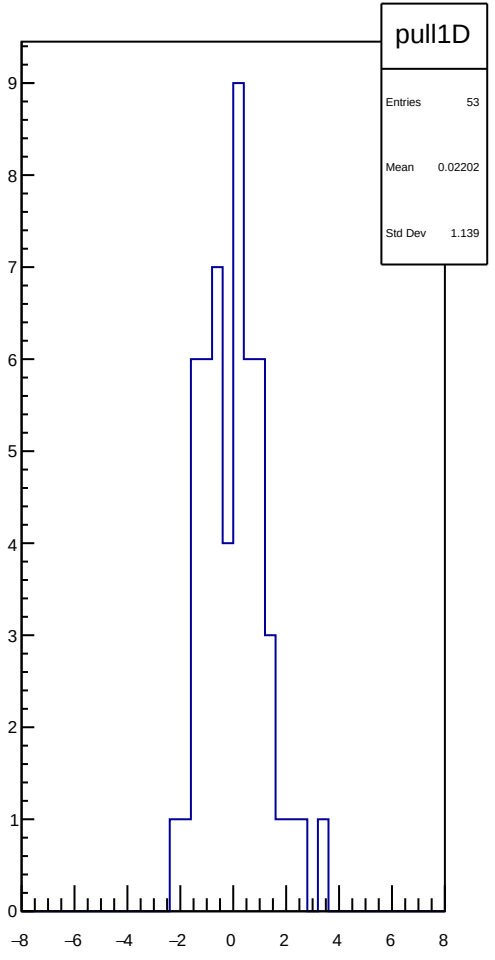

diff_bpm11X_rms vs run
χ² / ndf 3024 / 52
p0 1.06e+04 ± 10.61
13000
12500
12000
11500
11000
10500
10000
9500

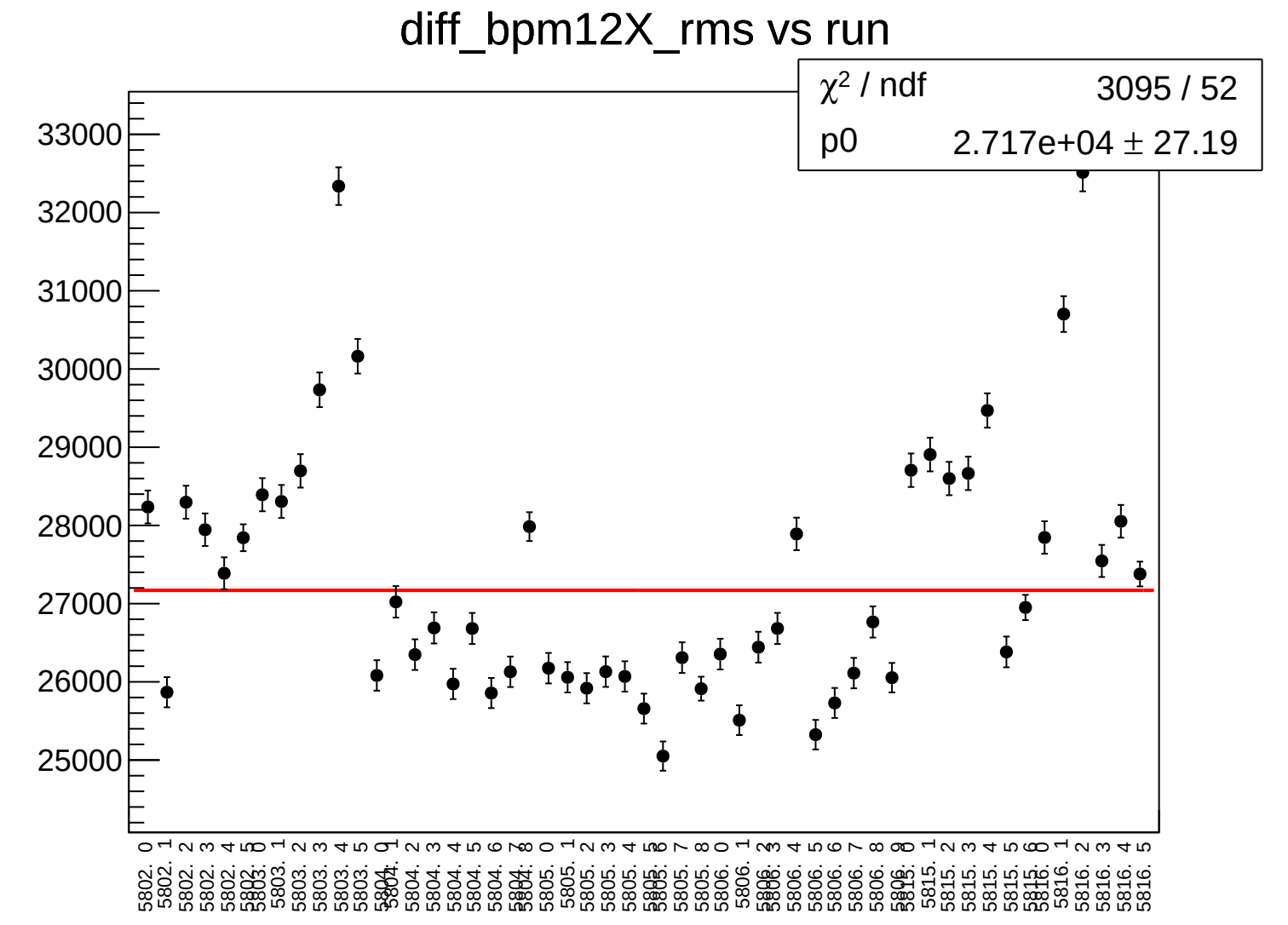

diff_bpm11Y_mean vs run
χ² / ndf 49.25 / 52
p0 −2.834 ± 14.11
pull
Entries 53
Mean −5.019
Std Dev 52.24

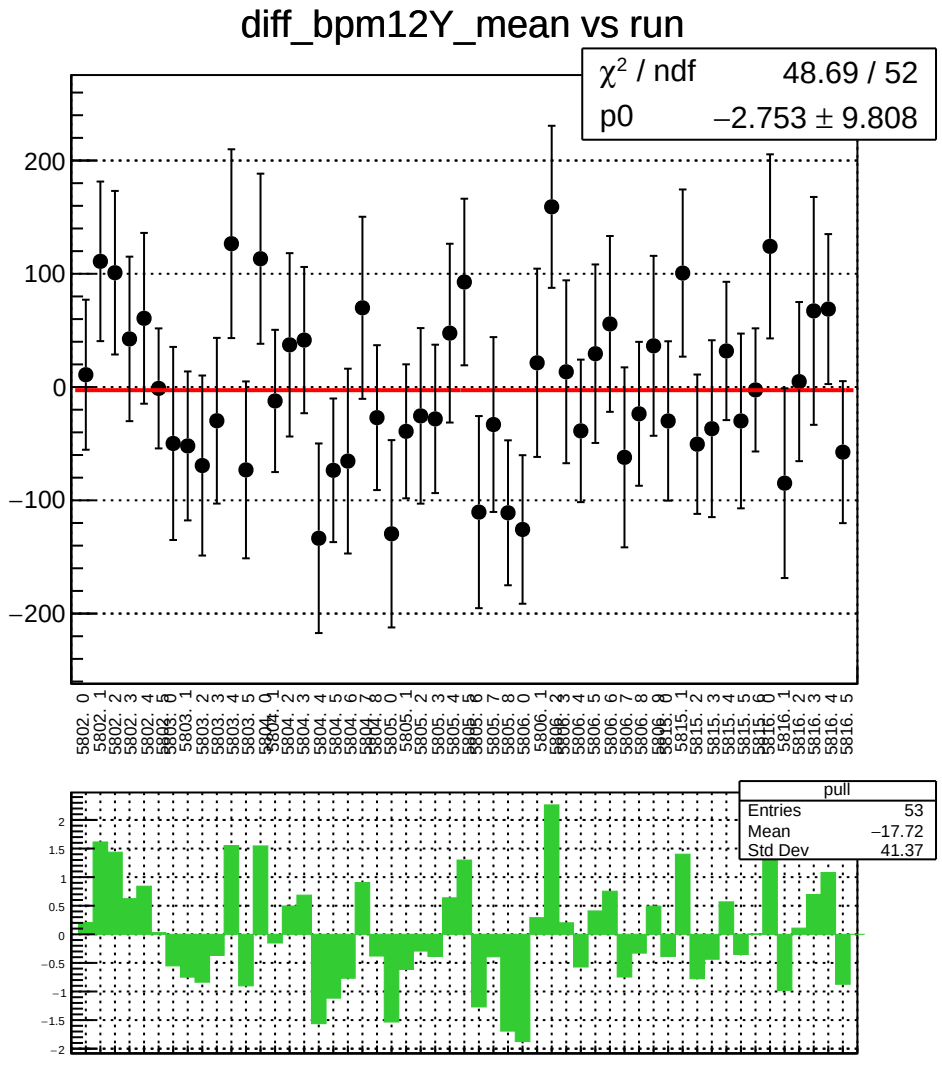

pull1D
Entries 53
Mean 0.01431
Std Dev 0.9638

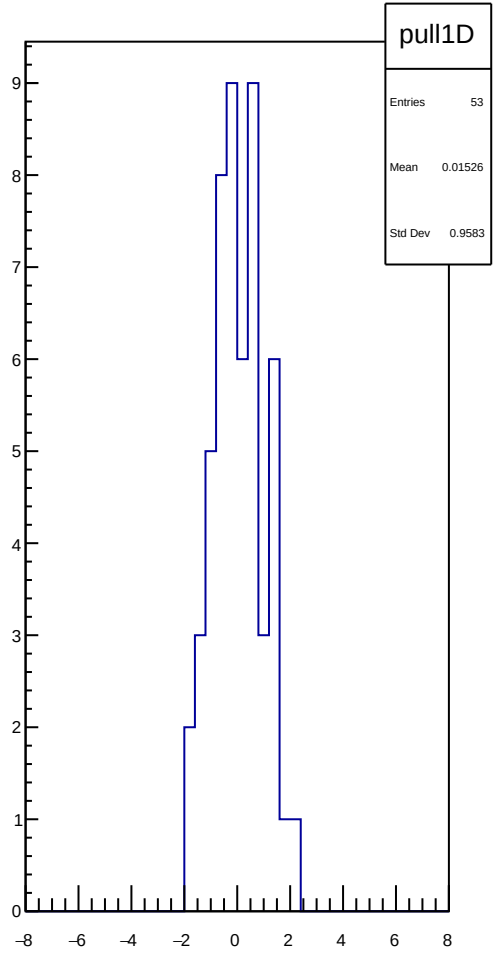

diff_bpm11Y_rms vs run
χ² / ndf 1.434e+04 / 52
p0 9911 ± 9.975
15000
14000
13000
12000
11000
10000
9000
8000

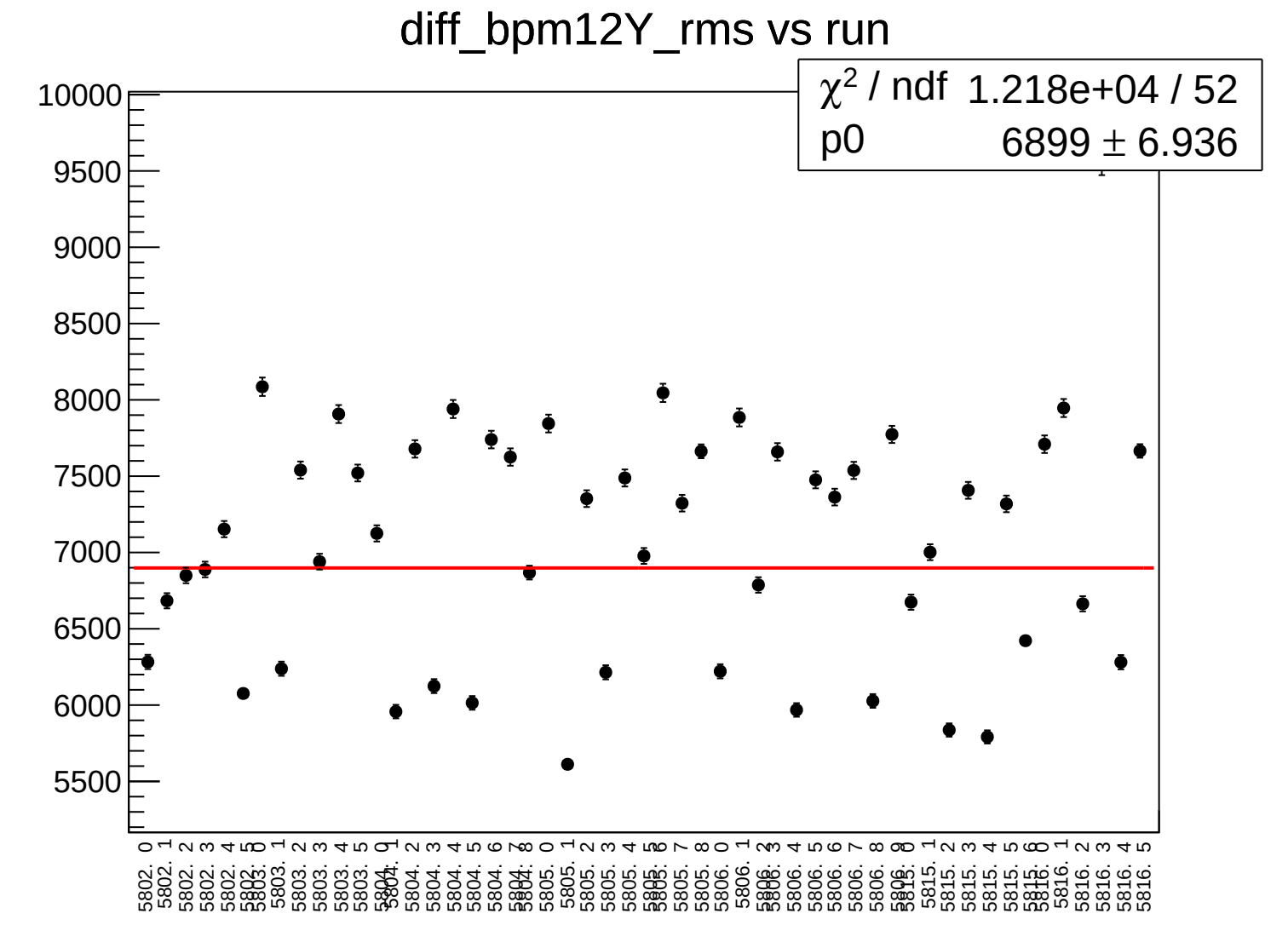

diff_bpm12X_mean vs run
χ² / ndf 68.77 / 52
p0 −21.81 ± 38.45
1000
500
0
−500
−1000
pull
Entries 53
Mean −59.03
Std Dev 0

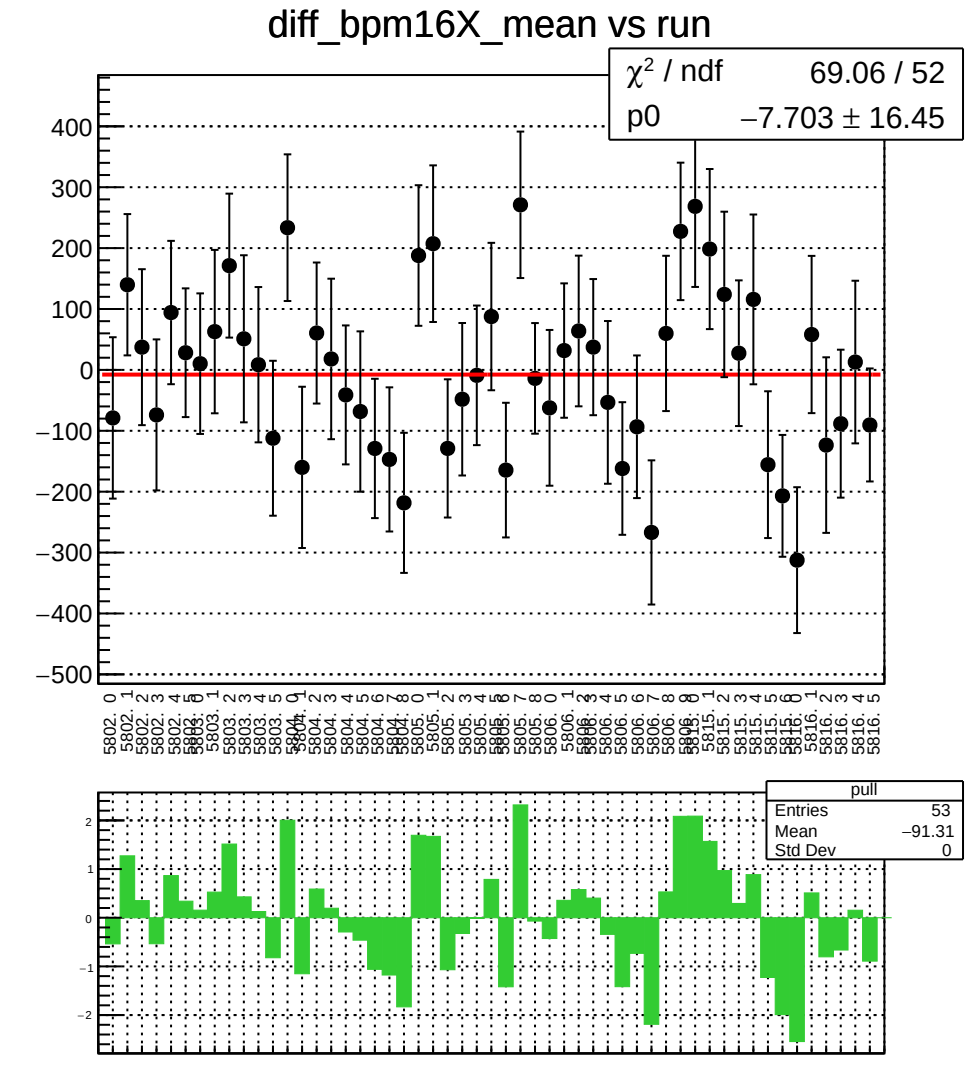

pull1D
Entries 53
Mean 0.02202
Std Dev 1.139

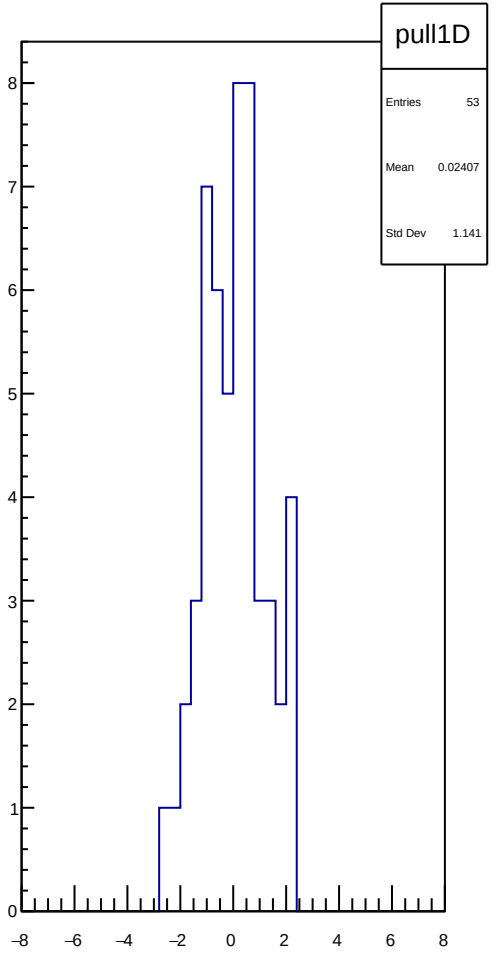

diff_bpm12X_rms vs run
χ² / ndf 3095 / 52
p0 2.717e+04 ± 27.19
33000
32000
31000
30000
29000
28000
27000
26000
25000

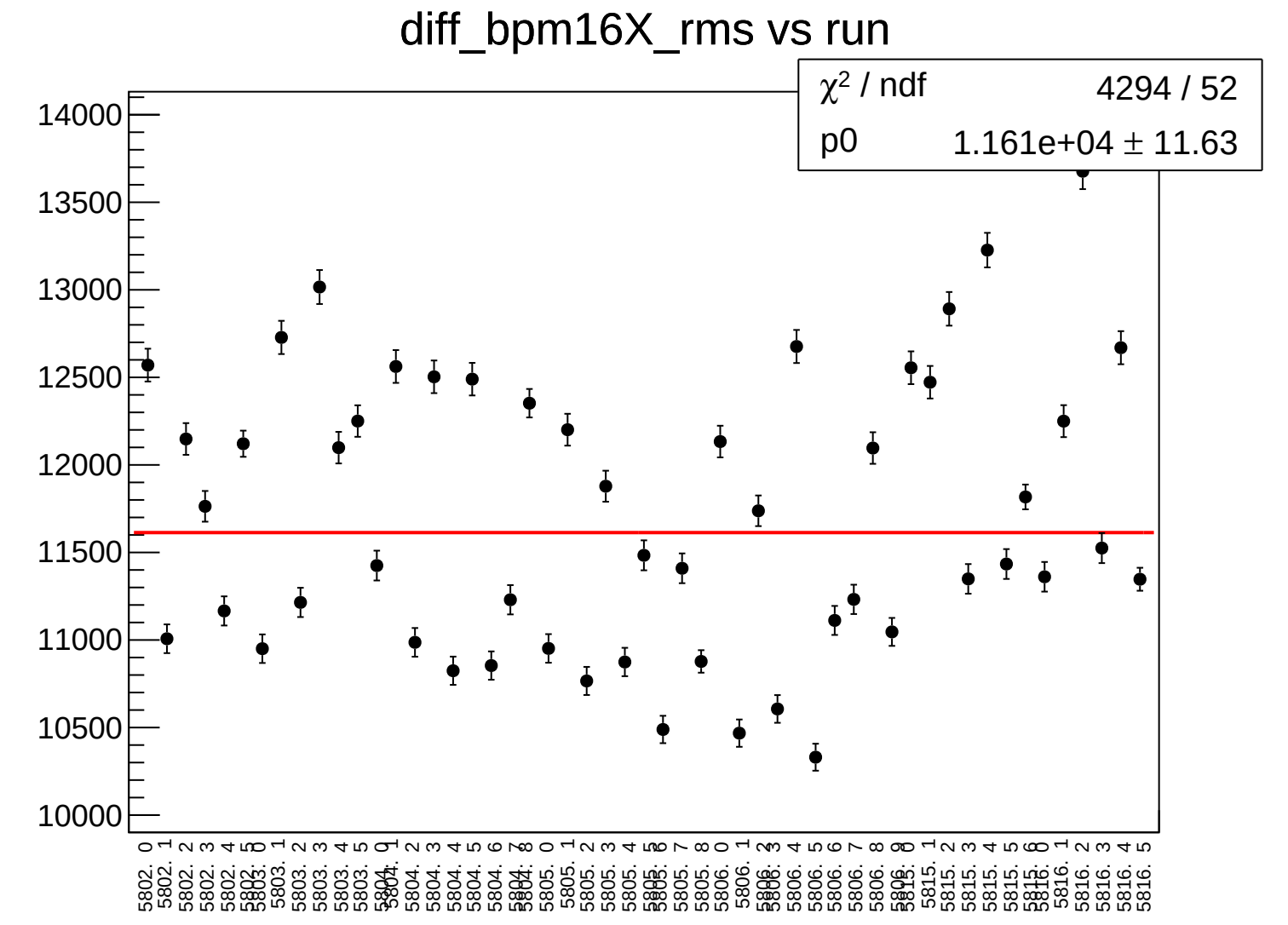

diff_bpm12Y_mean vs run
χ² / ndf 48.69 / 52
p0 −2.753 ± 9.808
200
100
0
−100
−200
pull
Entries 53
Mean −17.72
Std Dev 41.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

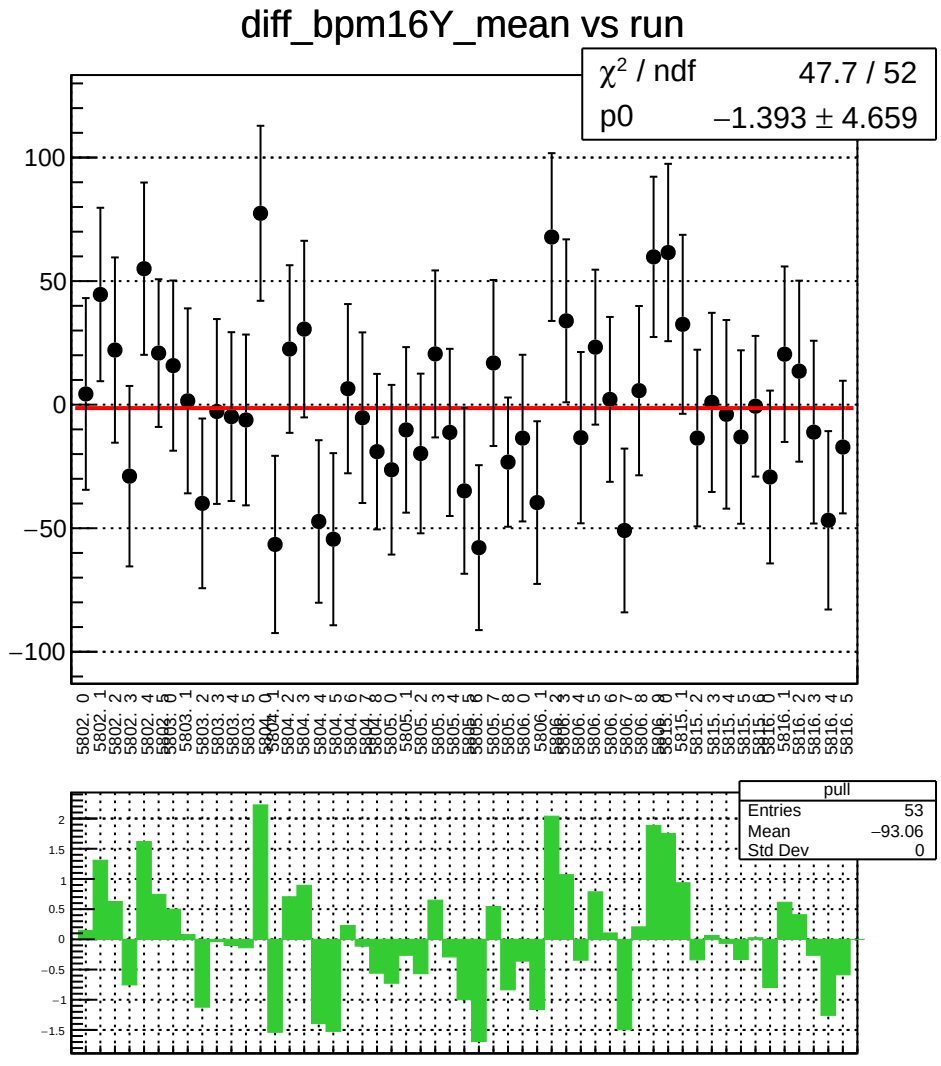

pull1D
Entries 53
Mean 0.01526
Std Dev 0.9583
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

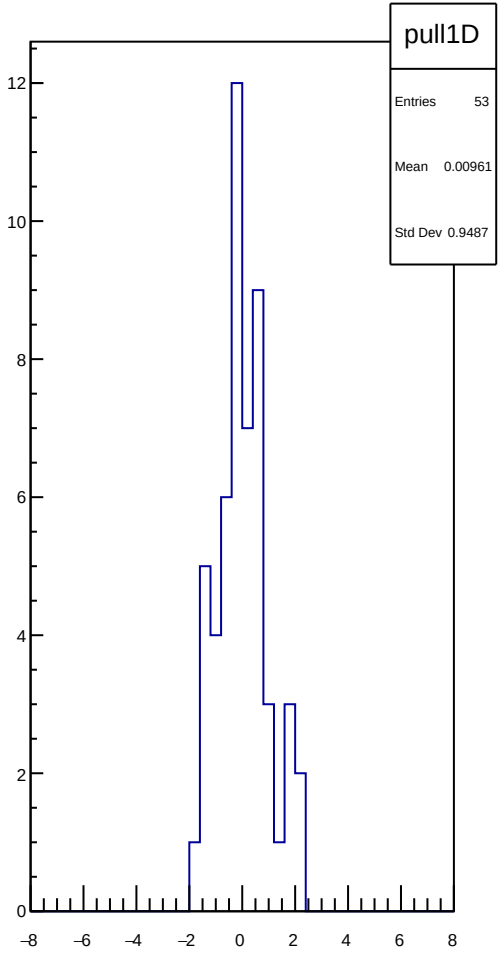

diff_bpm12Y_rms vs run
χ² / ndf 1.218e+04 / 52
p0 6899 ± 6.936
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500

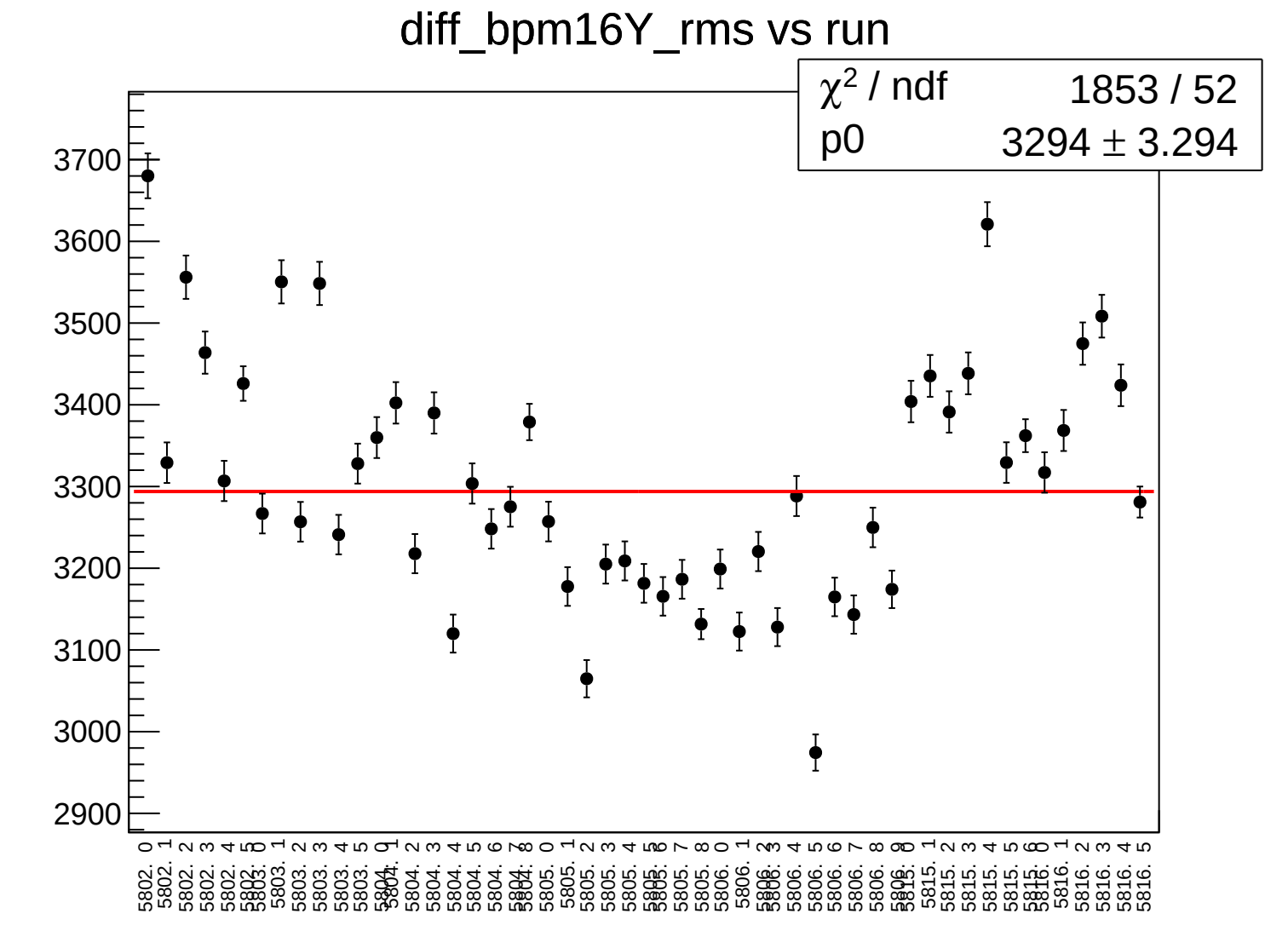

diff_bpm16X_mean vs run
χ² / ndf 69.06 / 52
p0 −7.703 ± 16.45
pull
Entries 53
Mean −91.31
Std Dev 0

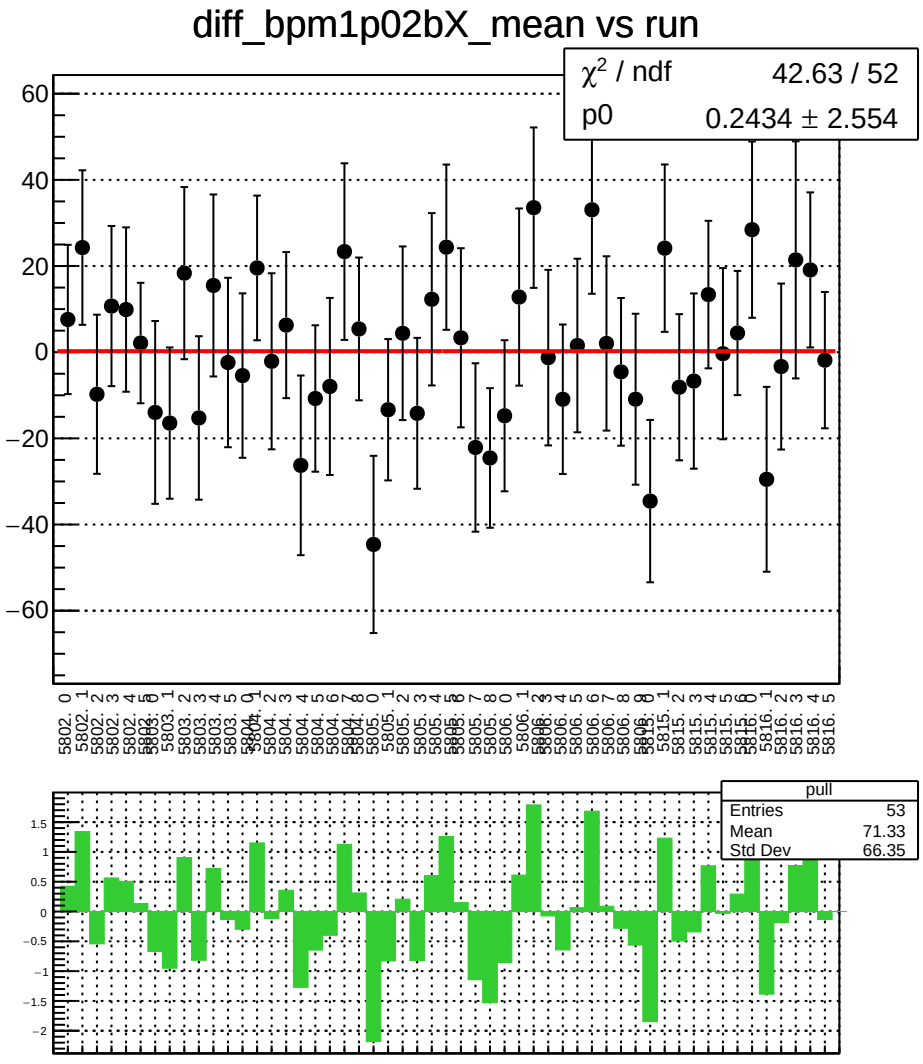

pull1D
Entries 53
Mean 0.02407
Std Dev 1.141

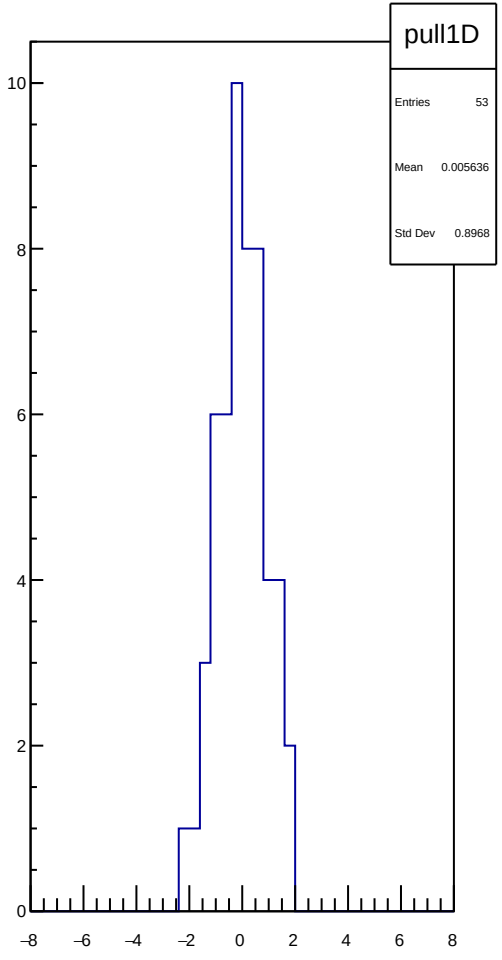

diff_bpm16X_rms vs run
χ² / ndf 4294 / 52
p0 1.161e+04 ± 11.63
14000
13500
13000
12500
12000
11500
11000
10500
10000

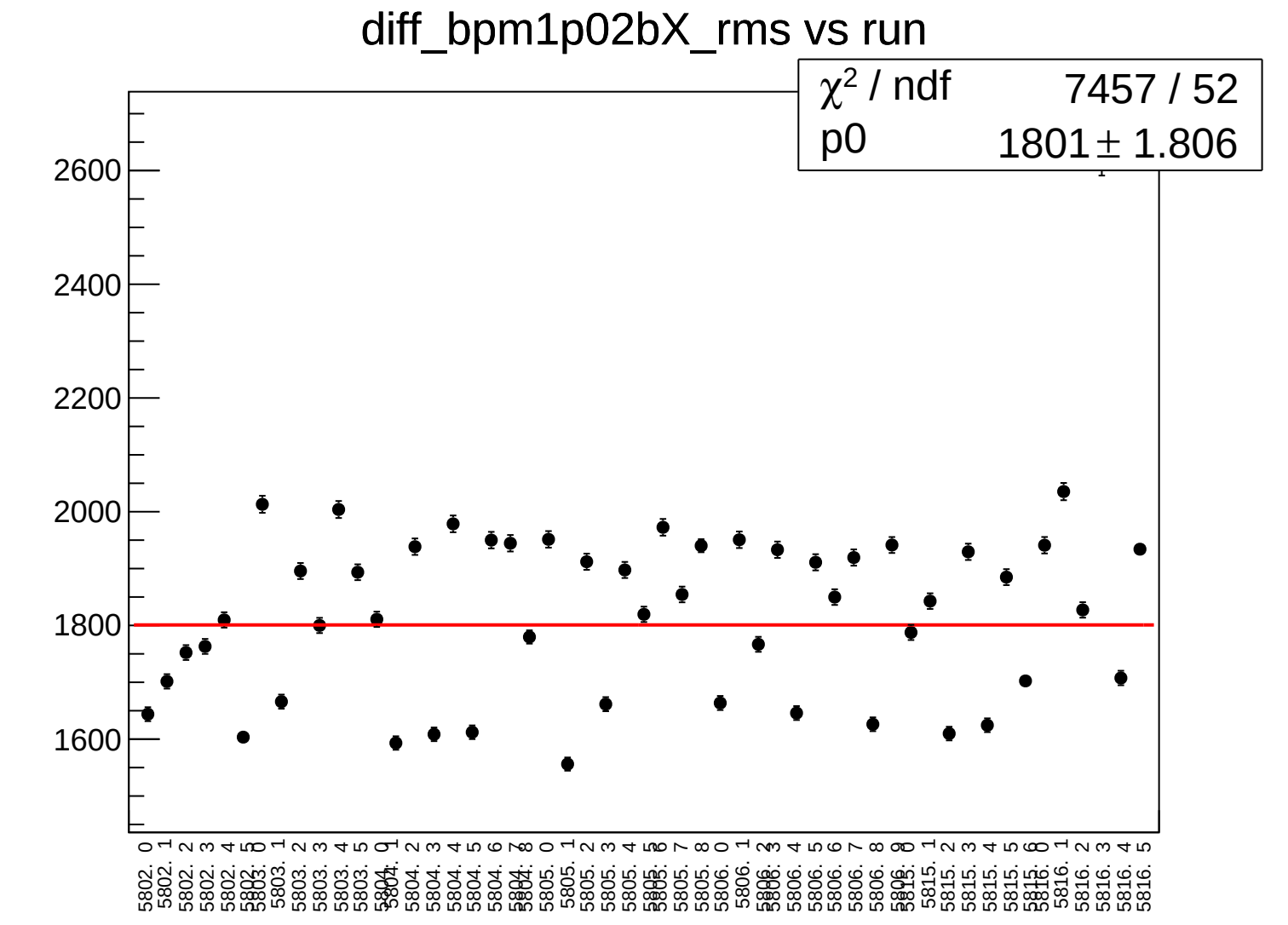

diff_bpm16Y_mean vs run
χ² / ndf 47.7 / 52
p0 −1.393 ± 4.659
100
50
0
−50
−100
pull
Entries 53
Mean −93.06
Std Dev 0

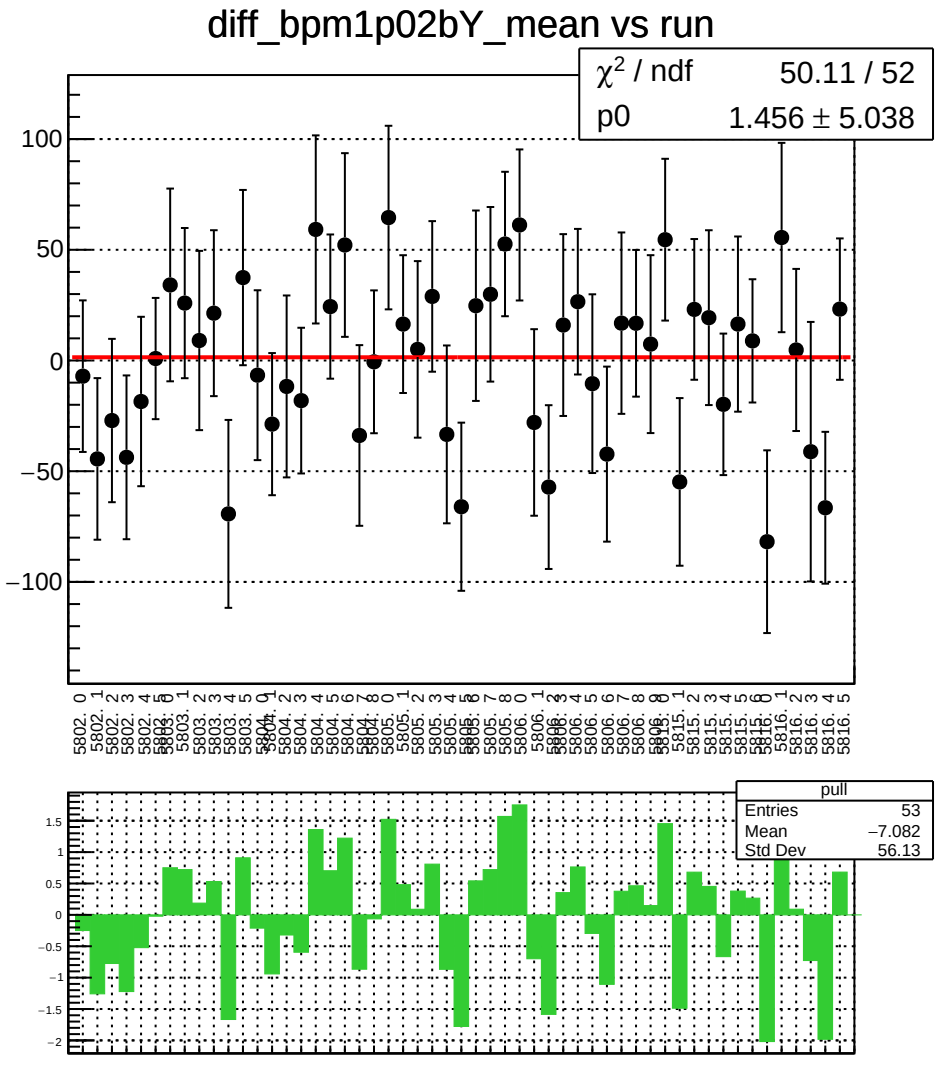

pull1D
Entries 53
Mean 0.00961
Std Dev 0.9487

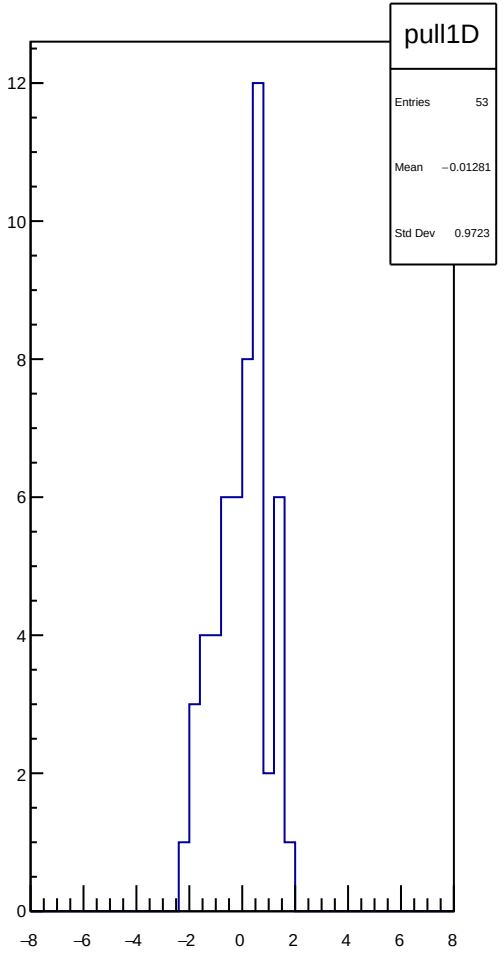

diff_bpm16Y_rms vs run
χ² / ndf 1853 / 52
p0 3294 ± 3.294
3700
3600
3500
3400
3300
3200
3100
3000
2900

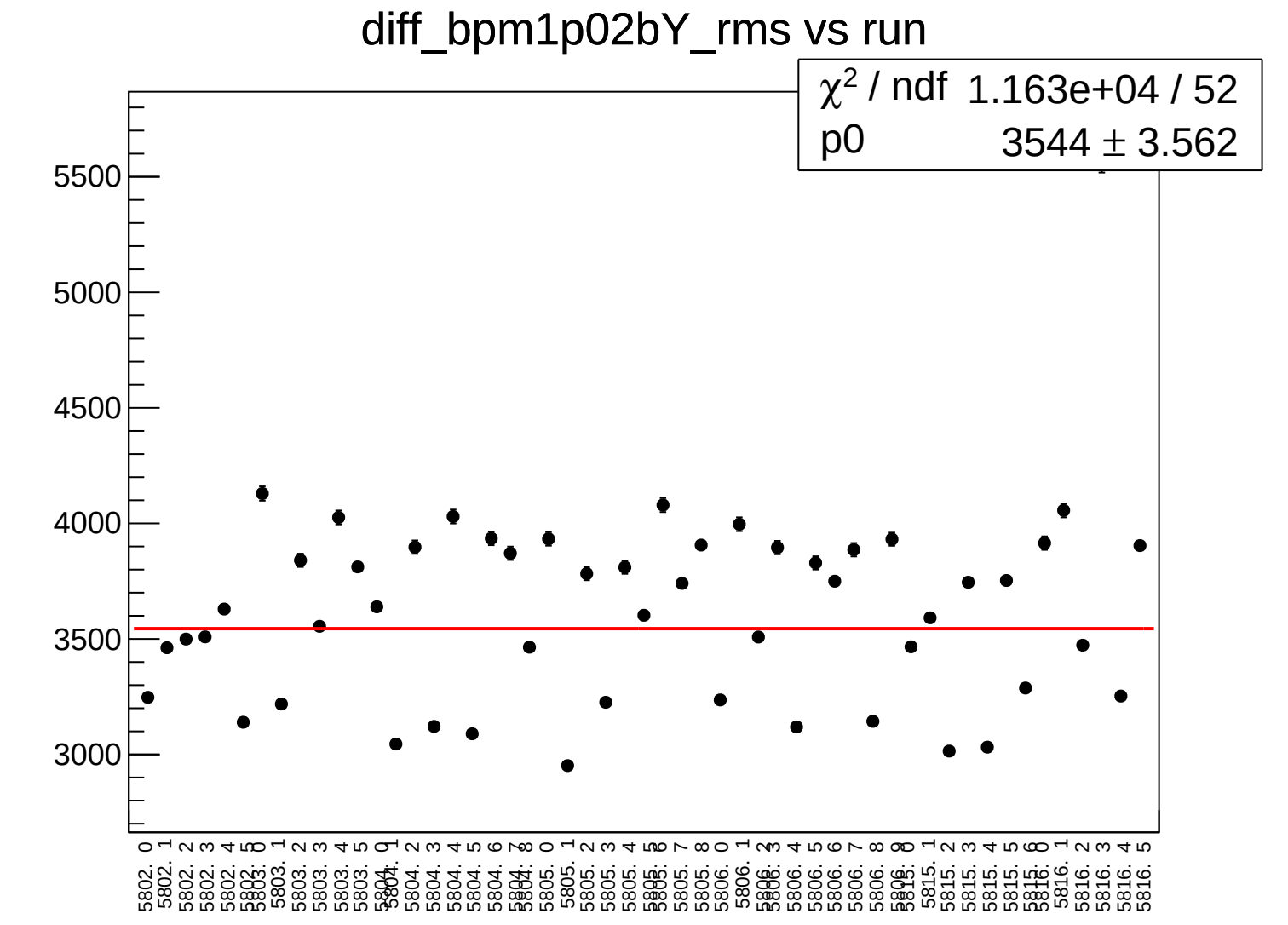

diff_bpm1p02bX_mean vs run
χ² / ndf 42.63 / 52
p0 0.2434 ± 2.554
pull
Entries 53
Mean 71.33
Std Dev 66.35

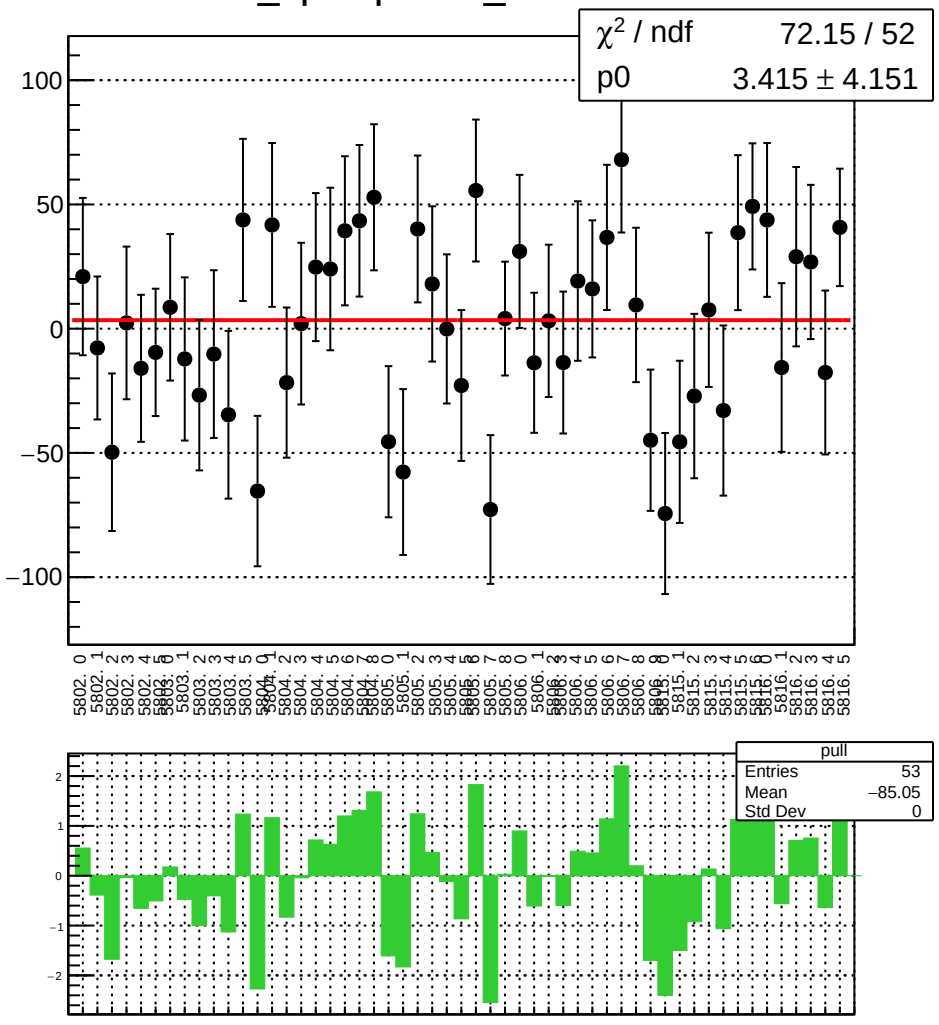

pull1D
Entries 53
Mean 0.005636
Std Dev 0.8968

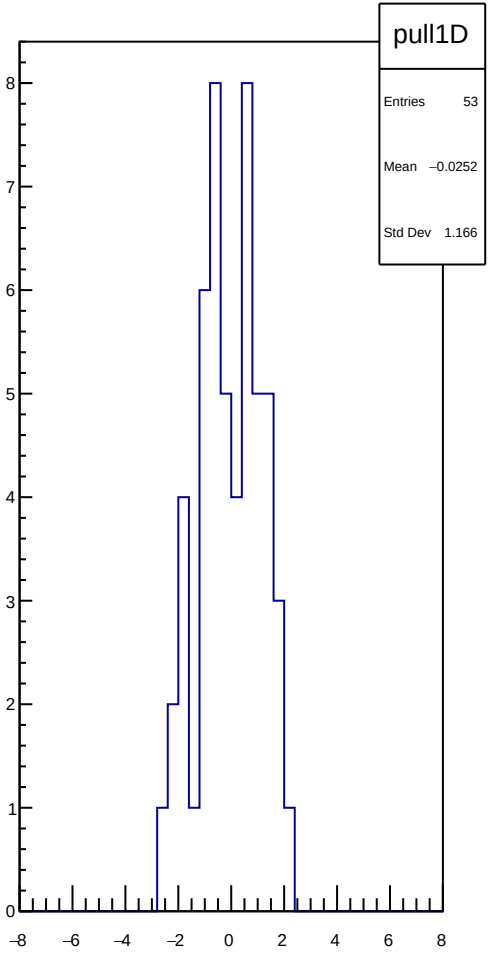

diff_bpm1p02bX_rms vs run
χ² / ndf 7457 / 52
p0 1801 ± 1.806
2600
2400
2200
2000
1800
1600

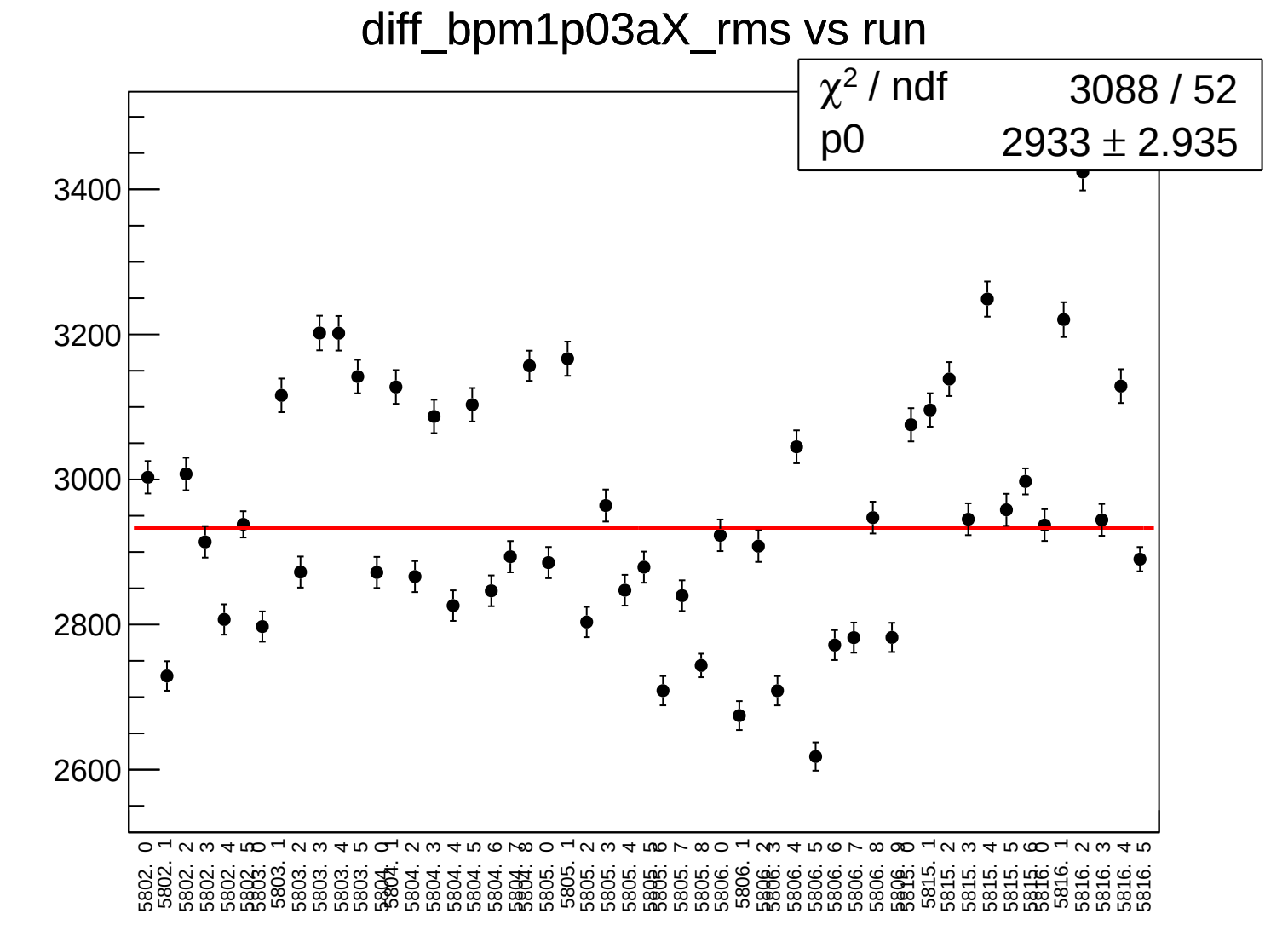

diff_bpm1p02bY_mean vs run
χ² / ndf 50.11 / 52
p0 1.456 ± 5.038
100
50
0
−50
−100
pull
Entries 53
Mean −7.082
Std Dev 56.13
1.5
1
0.5
0
−0.5
−1
−1.5
−2

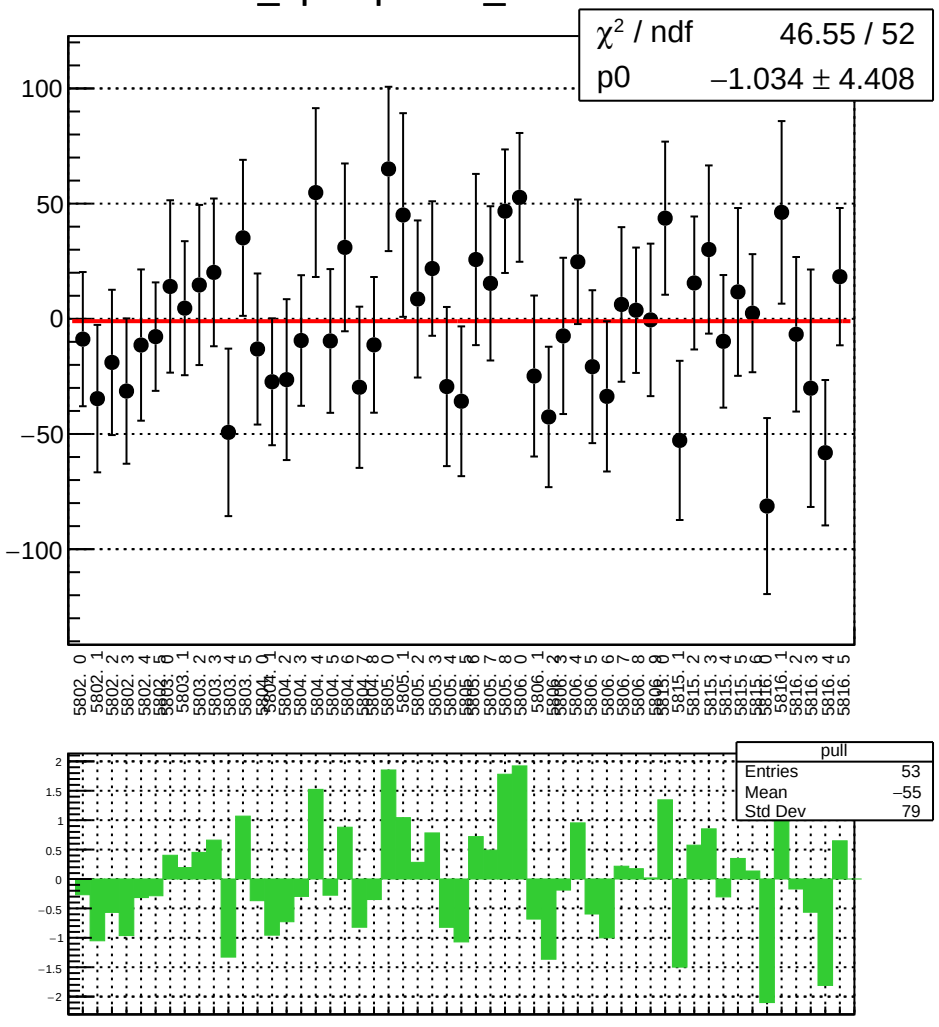

pull1D
Entries 53
Mean −0.01281
Std Dev 0.9723
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

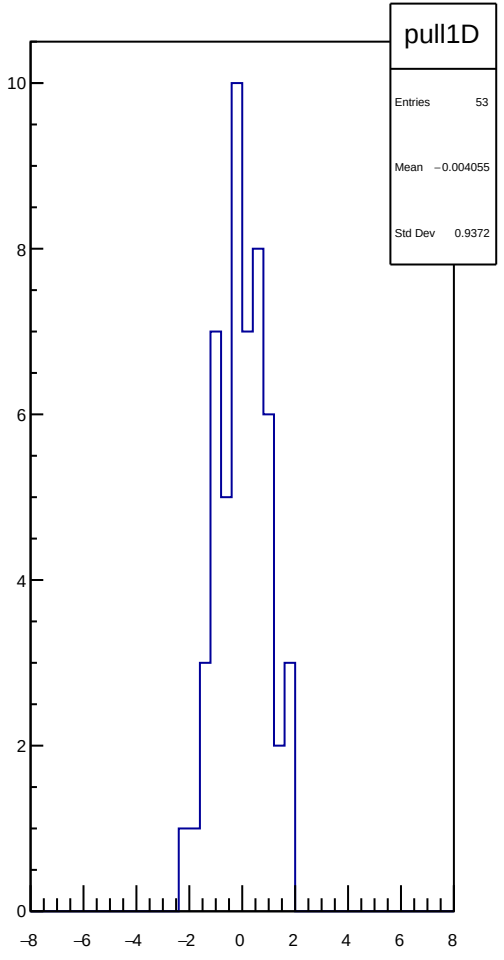

diff_bpm1p02bY_rms vs run
χ² / ndf 1.163e+04 / 52
p0 3544 ± 3.562
5500
5000
4500
4000
3500
3000

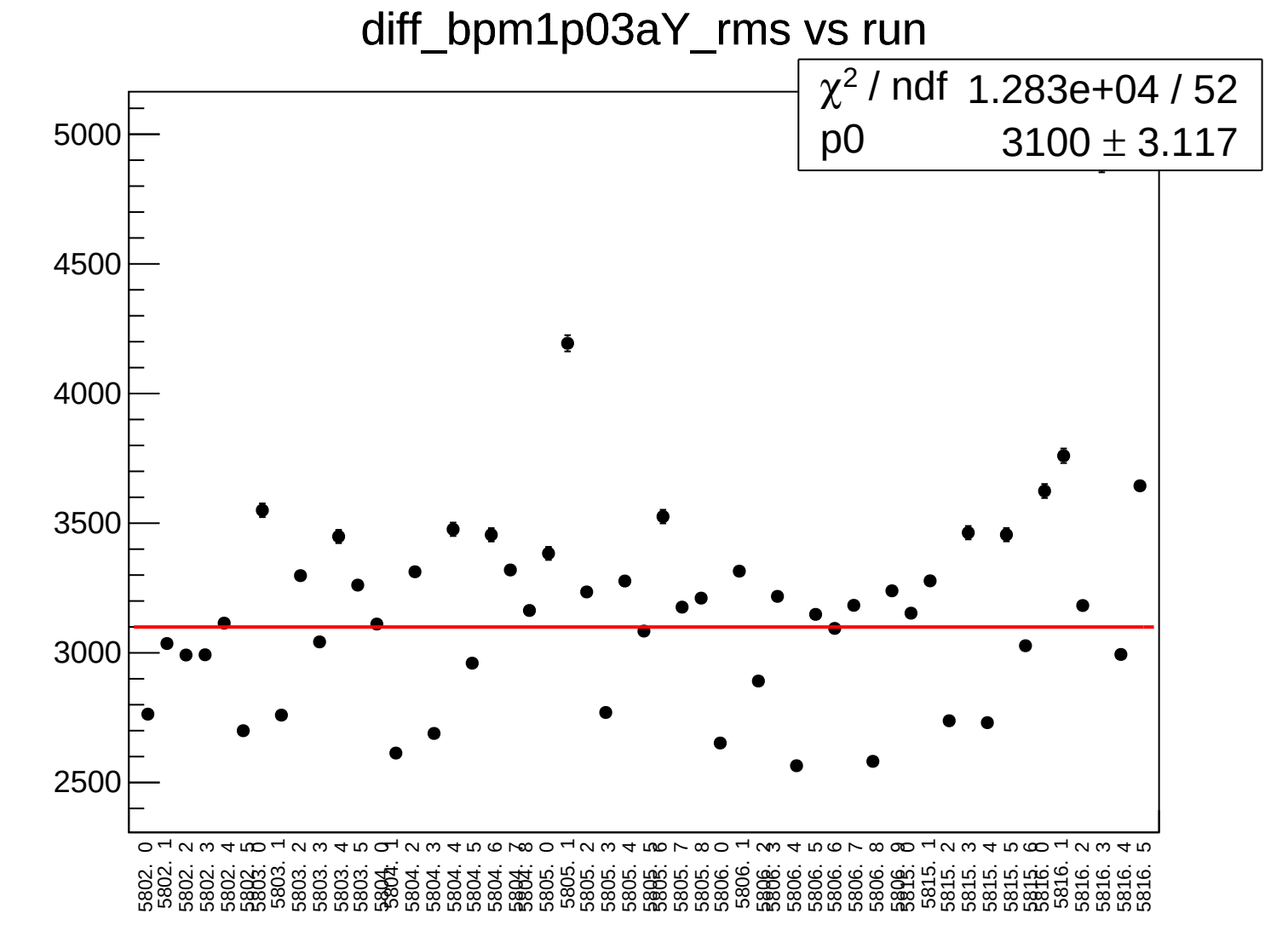

diff_bpm1p03aX_mean vs run
χ² / ndf 72.15 / 52
p0 3.415 ± 4.151
pull
Entries 53
Mean −85.05
Std Dev 0

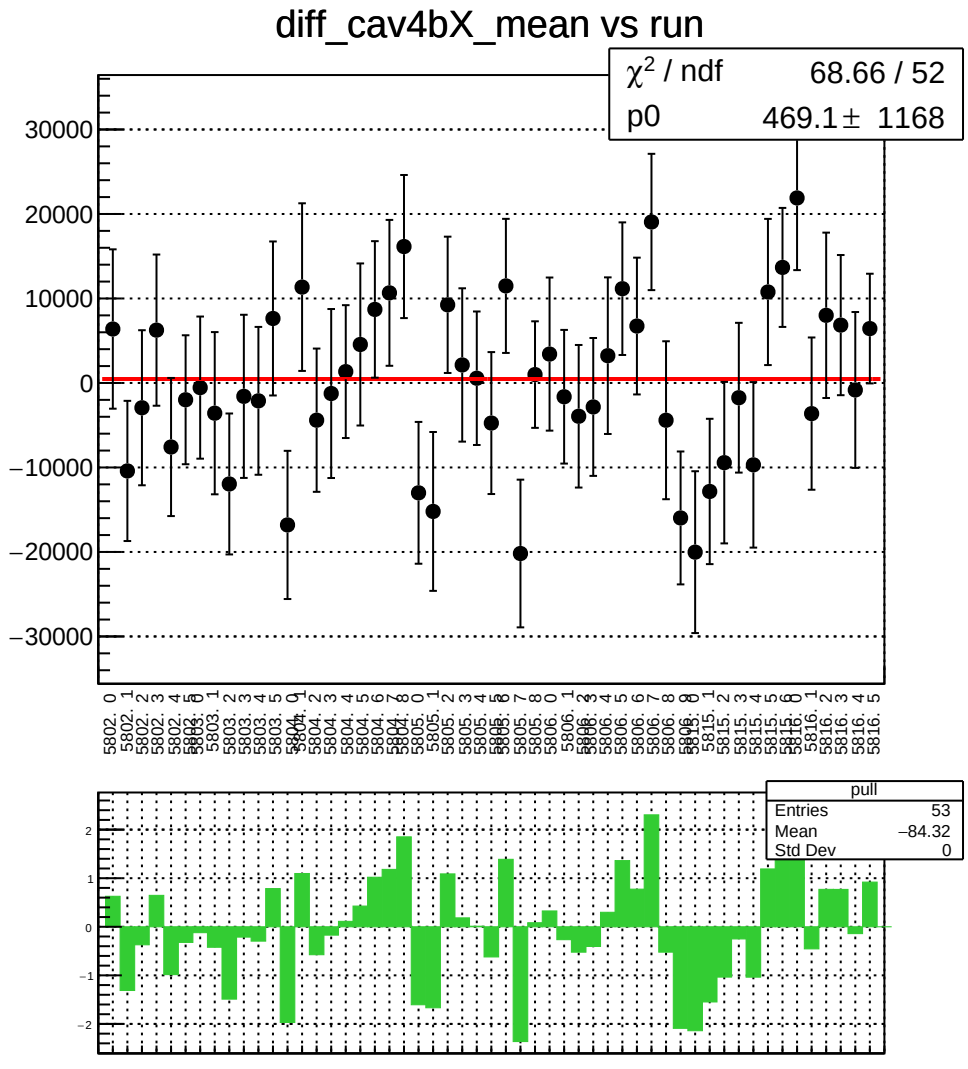

pull1D
Entries 53
Mean −0.0252
Std Dev 1.166

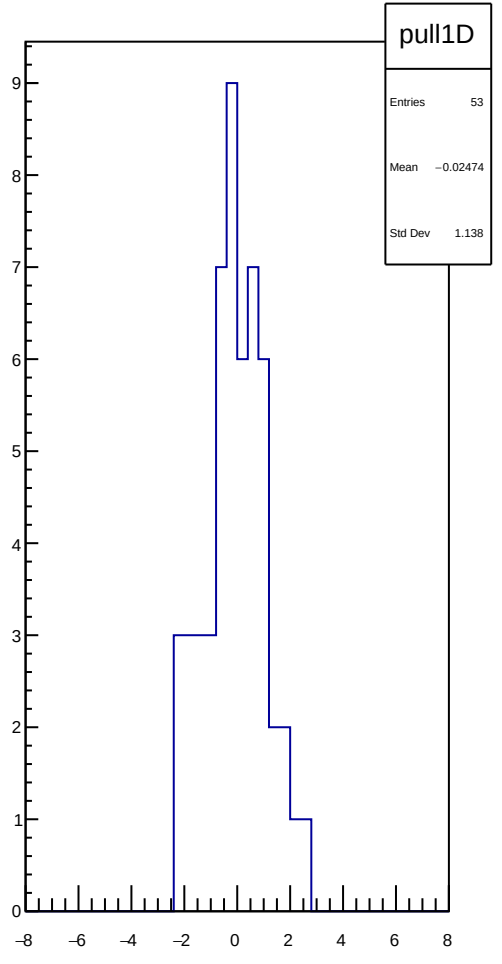

diff_bpm1p03aX_rms vs run
χ² / ndf 3088 / 52
p0 2933 ± 2.935
3400
3200
3000
2800
2600

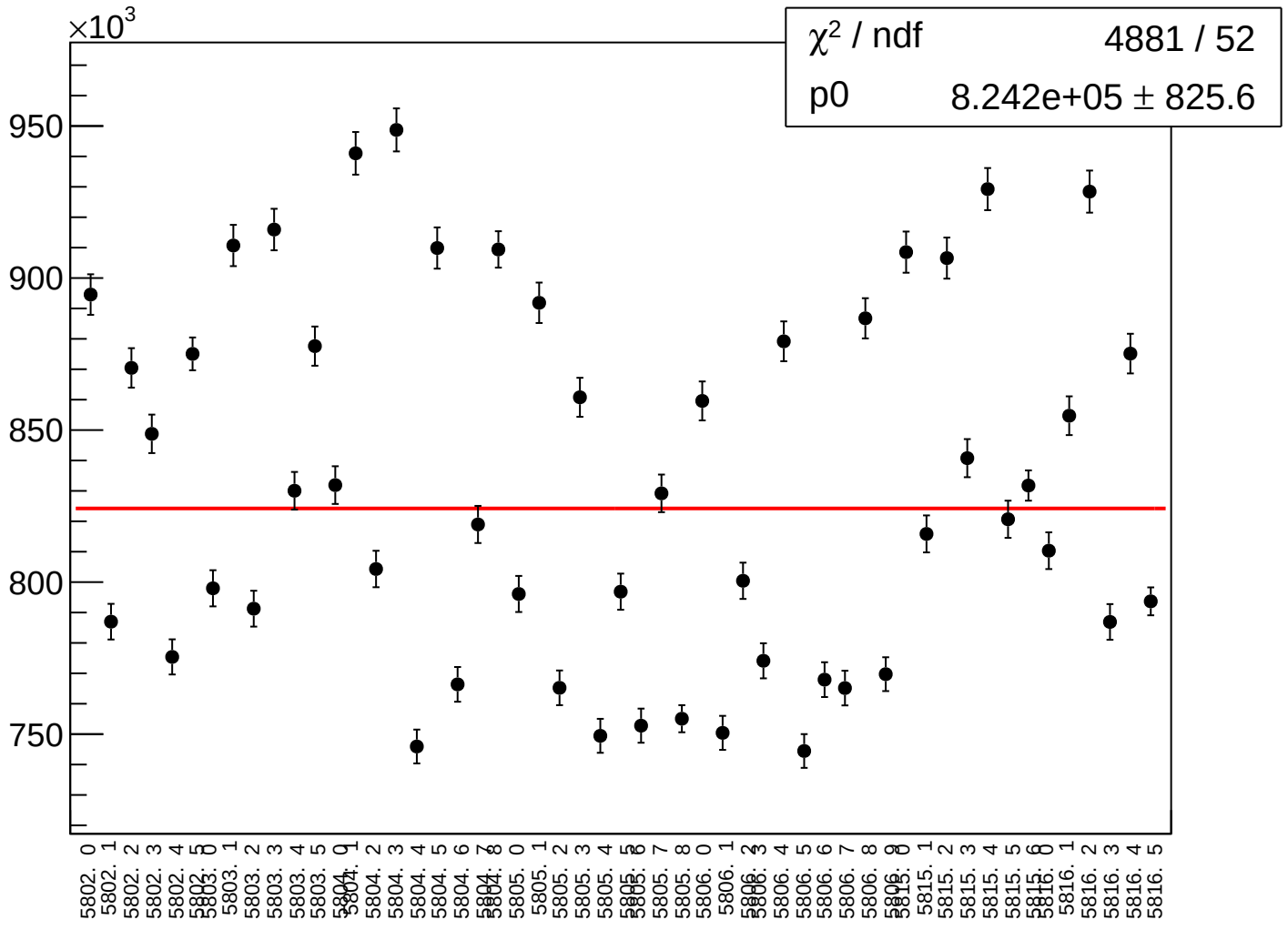

diff_bpm1p03aY_mean vs run
χ² / ndf 46.55 / 52
p0 −1.034 ± 4.408
100
50
0
−50
−100
pull
Entries 53
Mean −55
Std Dev 79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

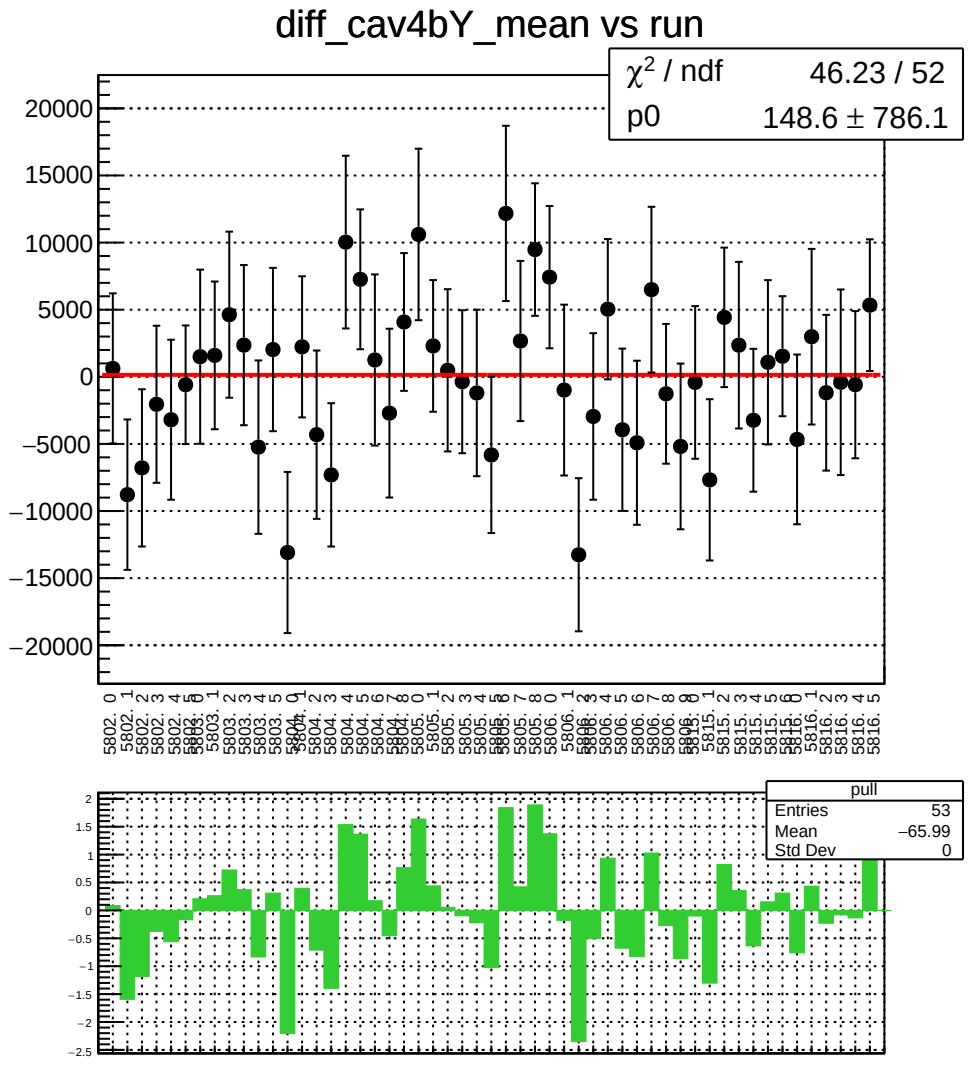

pull1D
Entries 53
Mean −0.004055
Std Dev 0.9372
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

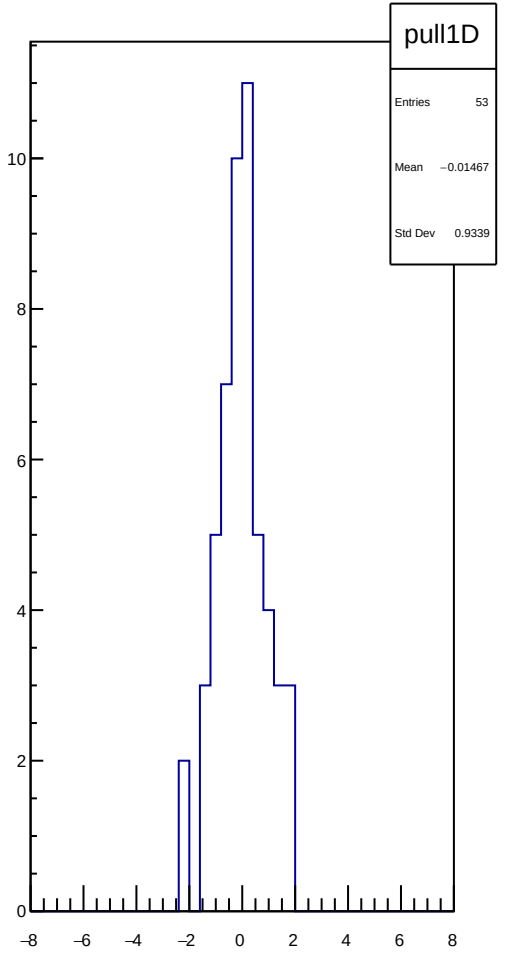

diff_bpm1p03aY_rms vs run
χ² / ndf 1.283e+04 / 52
p0 3100 ± 3.117
5000
4500
4000
3500
3000
2500

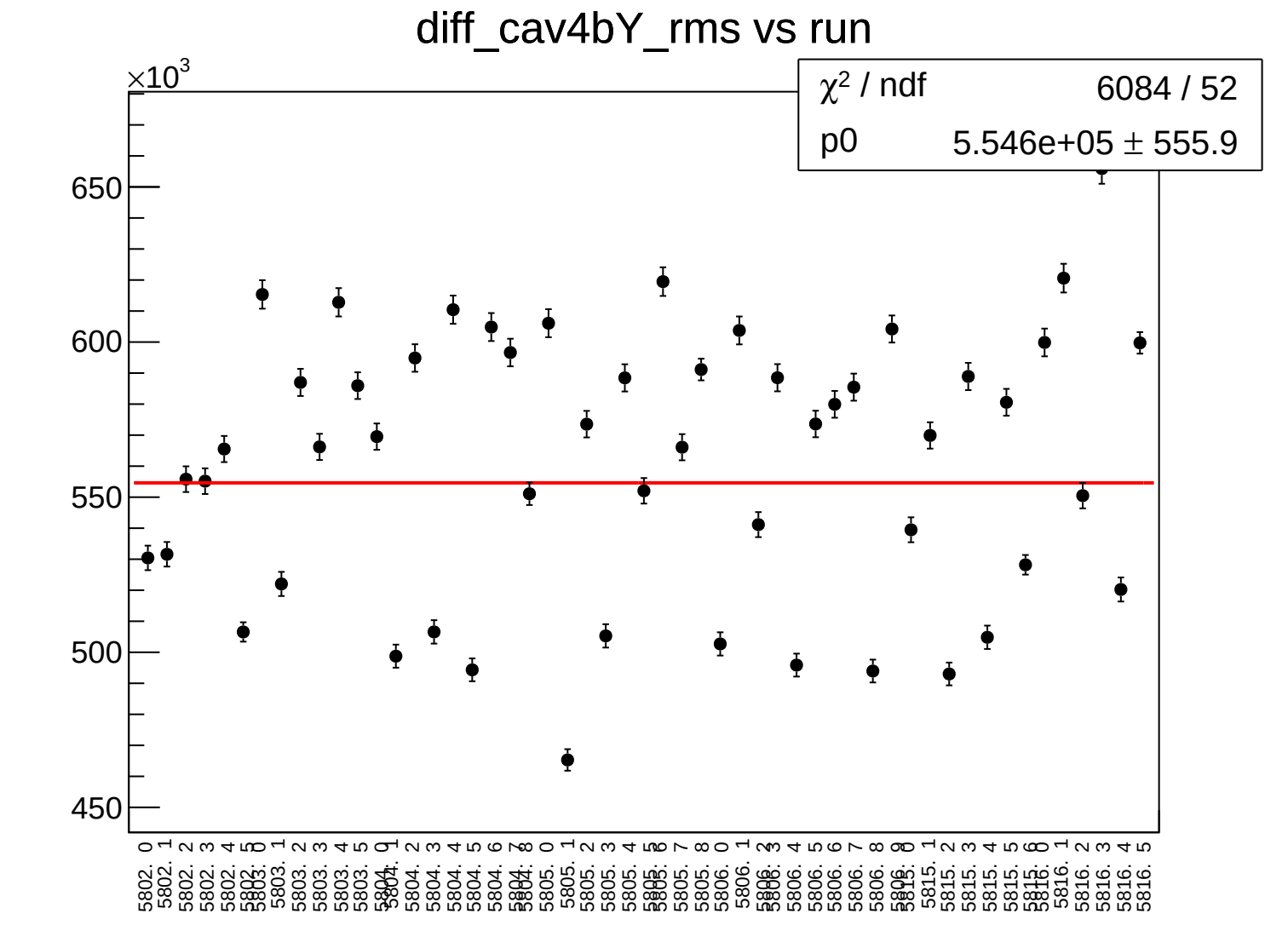

diff_cav4bX_mean vs run
χ² / ndf 68.66 / 52
p0 469.1 ± 1168
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −84.32
Std Dev 0
2
1
0
−1
−2

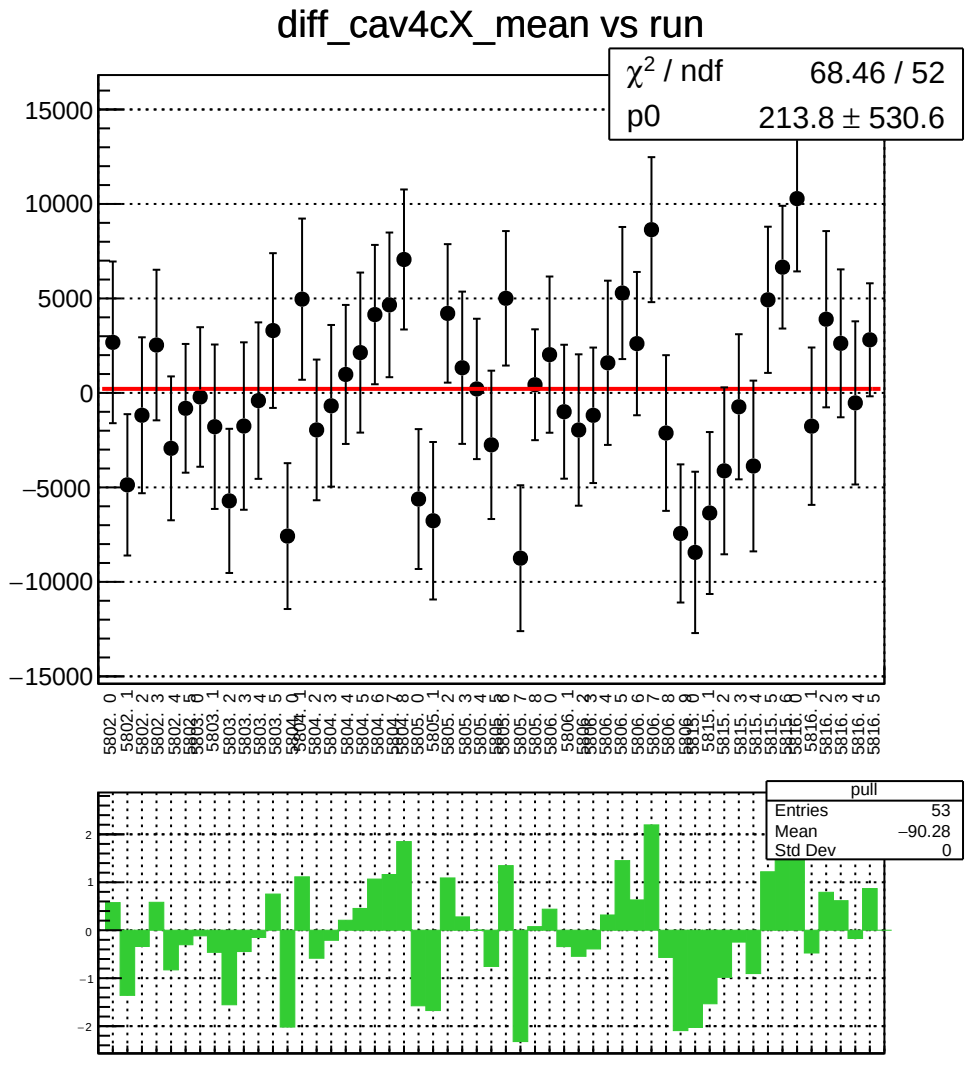

pull1D
Entries 53
Mean −0.02474
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

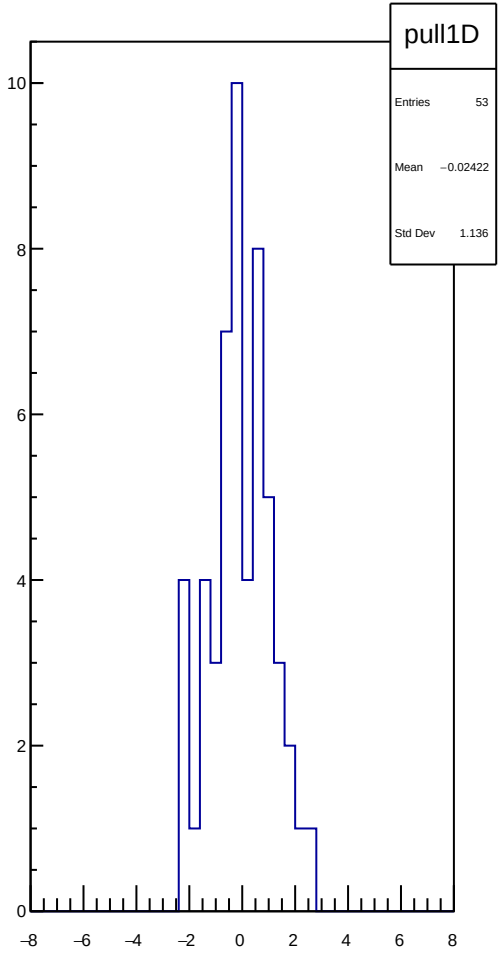

diff_cav4bX_rms vs run
×10^3
χ² / ndf 4881 / 52
p0 8.242e+05 ± 825.6
950
900
850
800
750

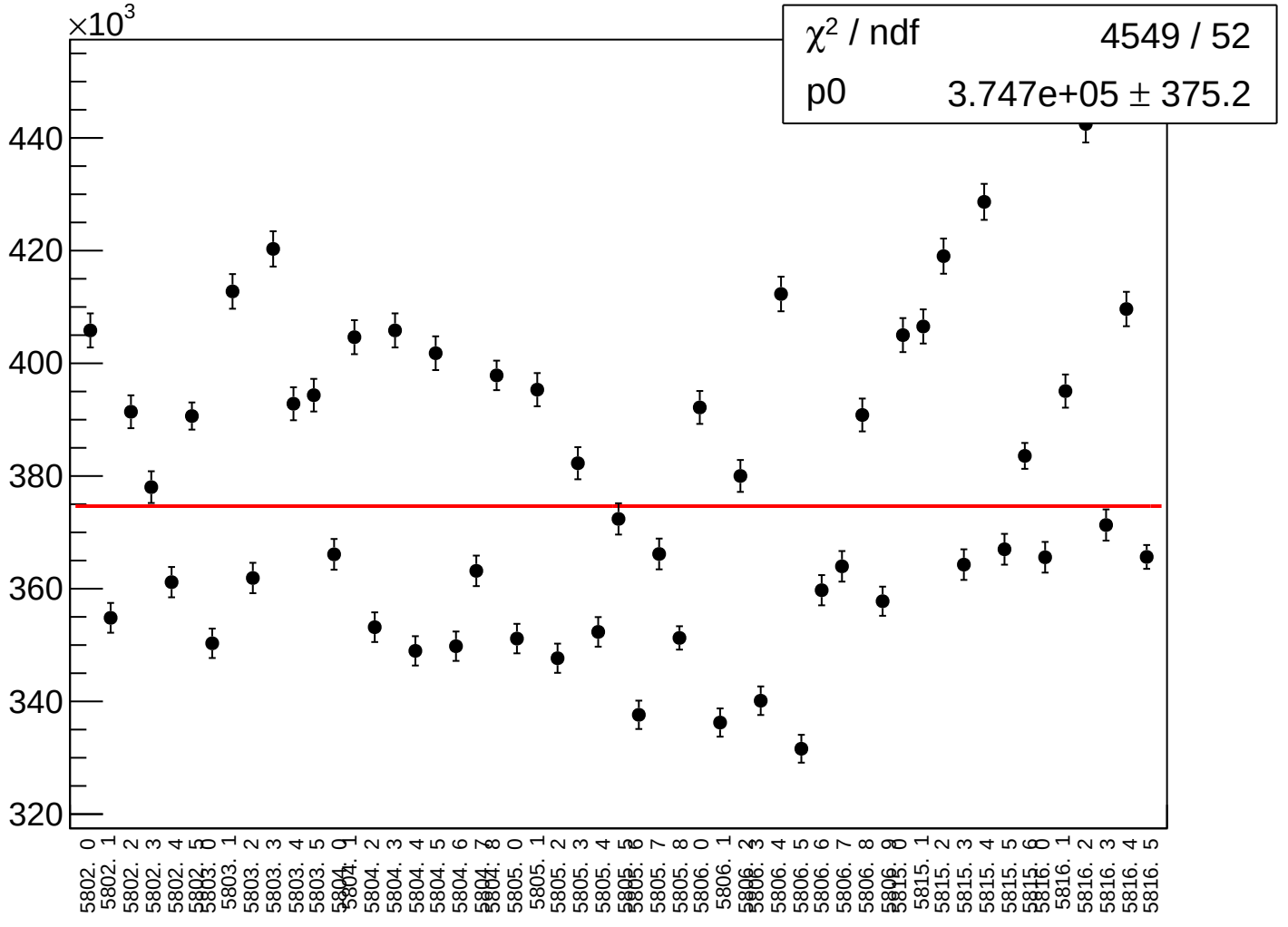

diff_cav4bY_mean vs run
χ² / ndf 46.23 / 52
p0 148.6 ± 786.1
pull
Entries 53
Mean −65.99
Std Dev 0

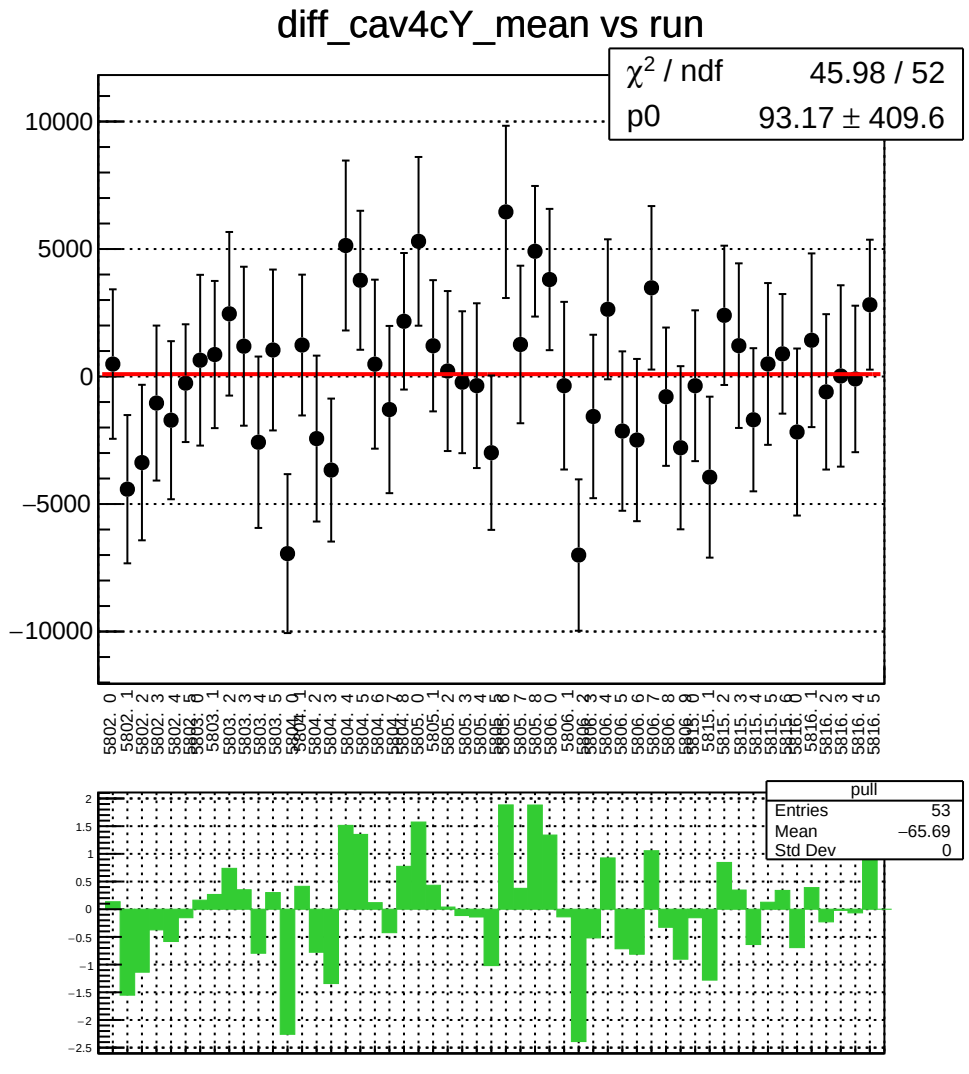

pull1D
Entries 53
Mean −0.01467
Std Dev 0.9339

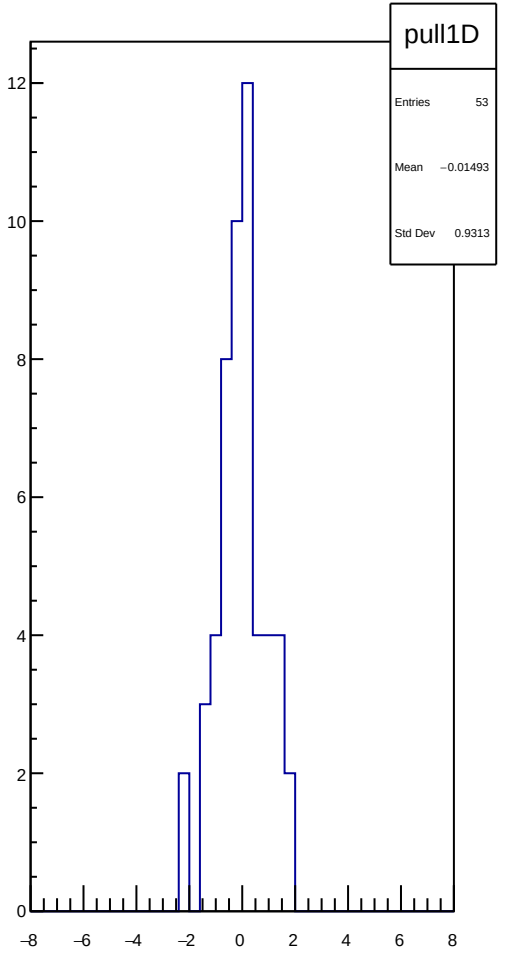

diff_cav4bY_rms vs run
×10^3
χ² / ndf 6084 / 52
p0 5.546e+05 ± 555.9
650
600
550
500
450
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

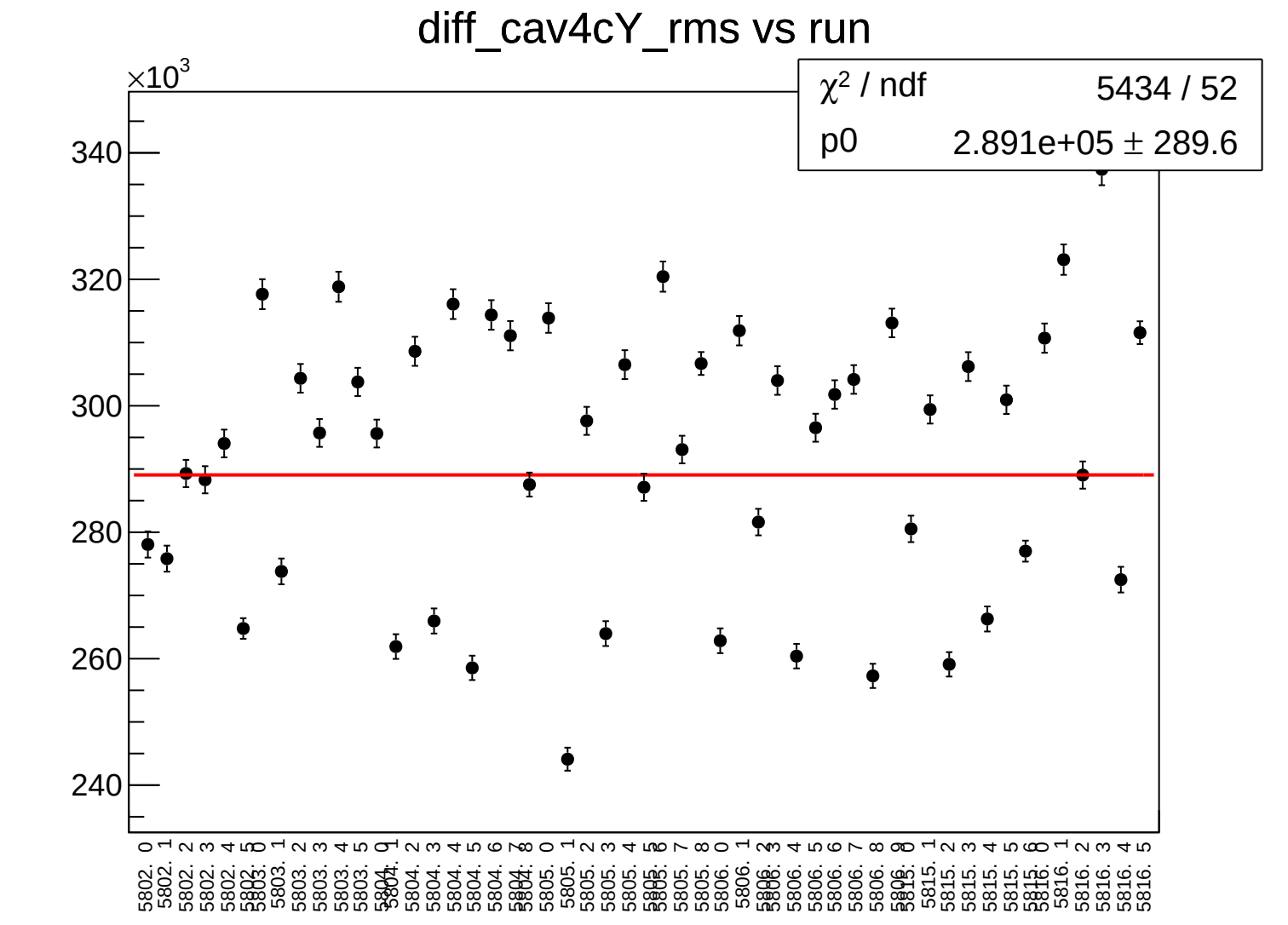

diff_cav4cX_mean vs run
χ² / ndf 68.46 / 52
p0 213.8 ± 530.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −90.28
Std Dev 0
2
1
0
−1
−2

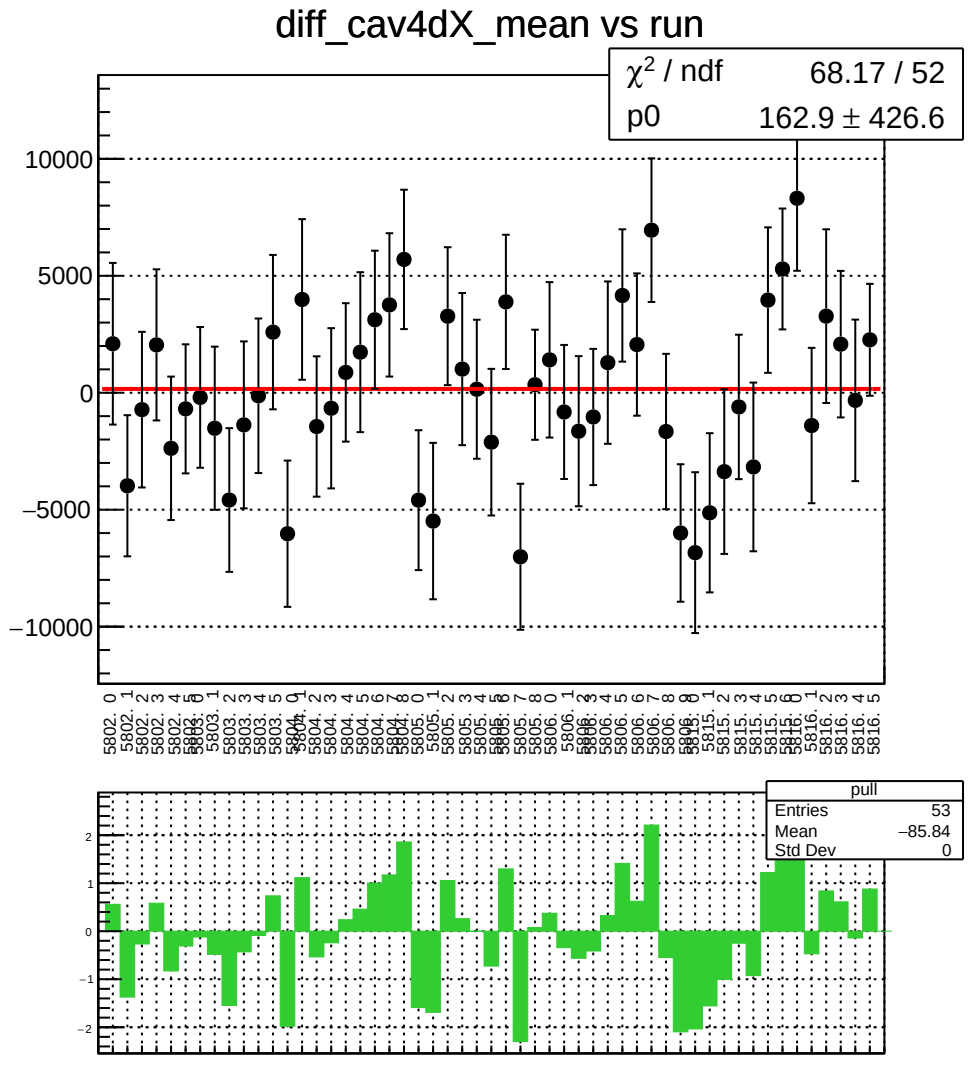

pull1D
Entries 53
Mean −0.02422
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

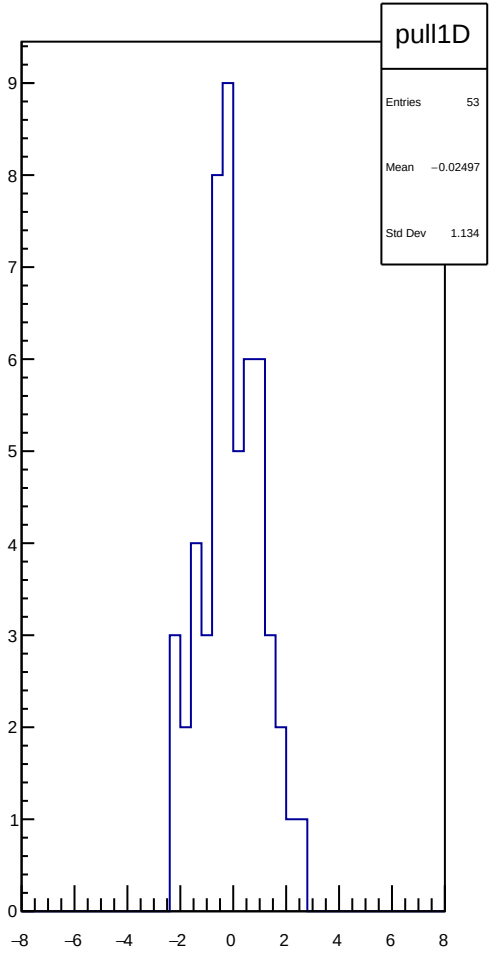

diff_cav4cX_rms vs run
×10^3
χ² / ndf 4549 / 52
p0 3.747e+05 ± 375.2
440
420
400
380
360
340
320
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

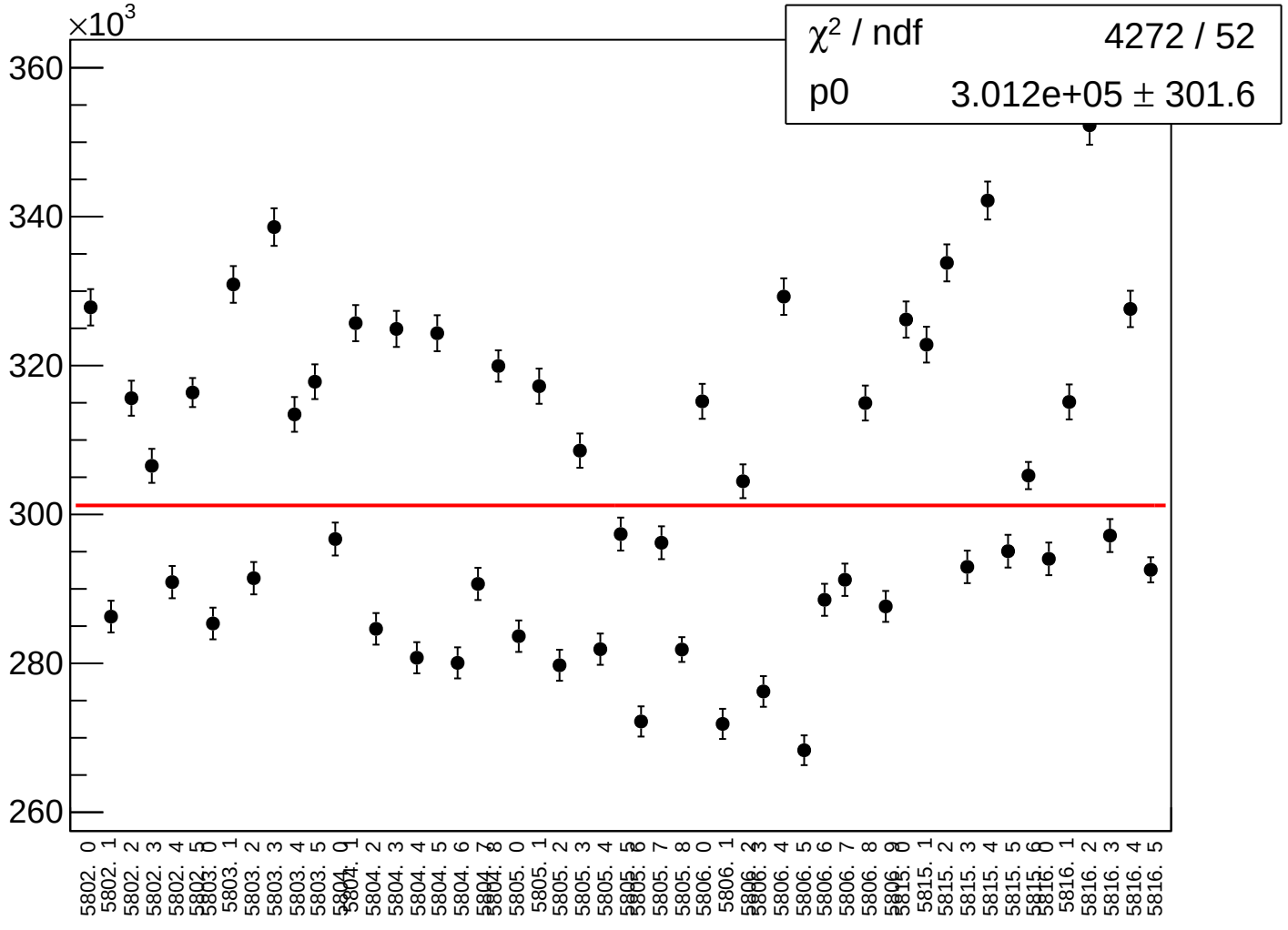

diff_cav4cY_mean vs run
χ^2 / ndf 45.98 / 52
p0 93.17 ± 409.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −65.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

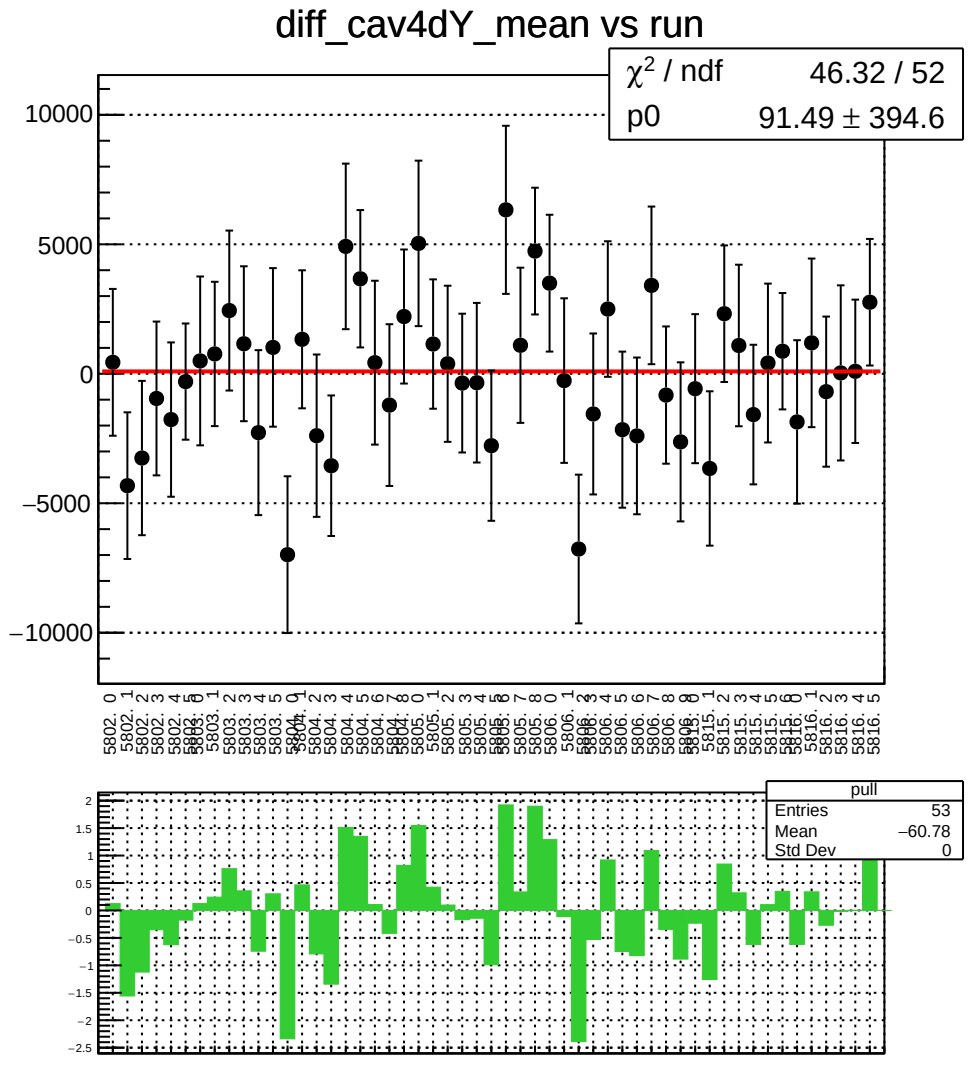

pull1D
Entries 53
Mean −0.01493
Std Dev 0.9313
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

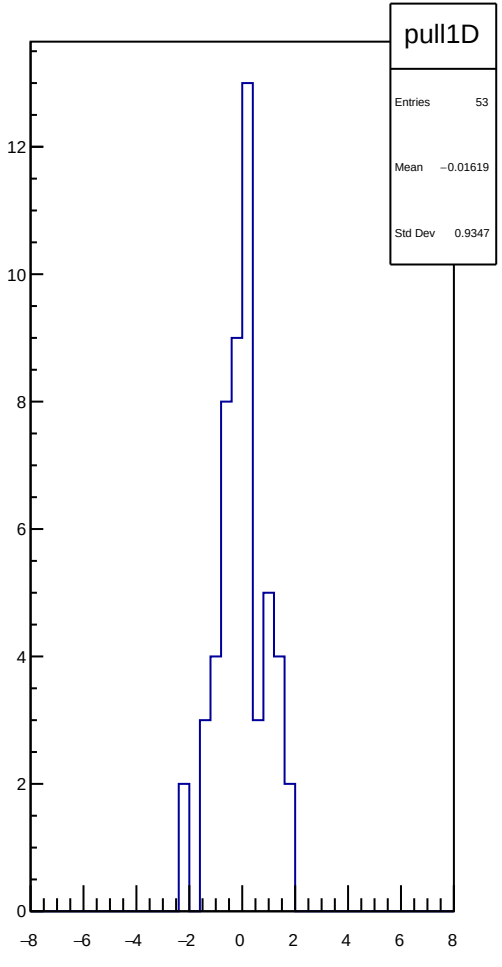

diff_cav4cY_rms vs run
×10^3
χ² / ndf 5434 / 52
p0 2.891e+05 ± 289.6
340
320
300
280
260
240

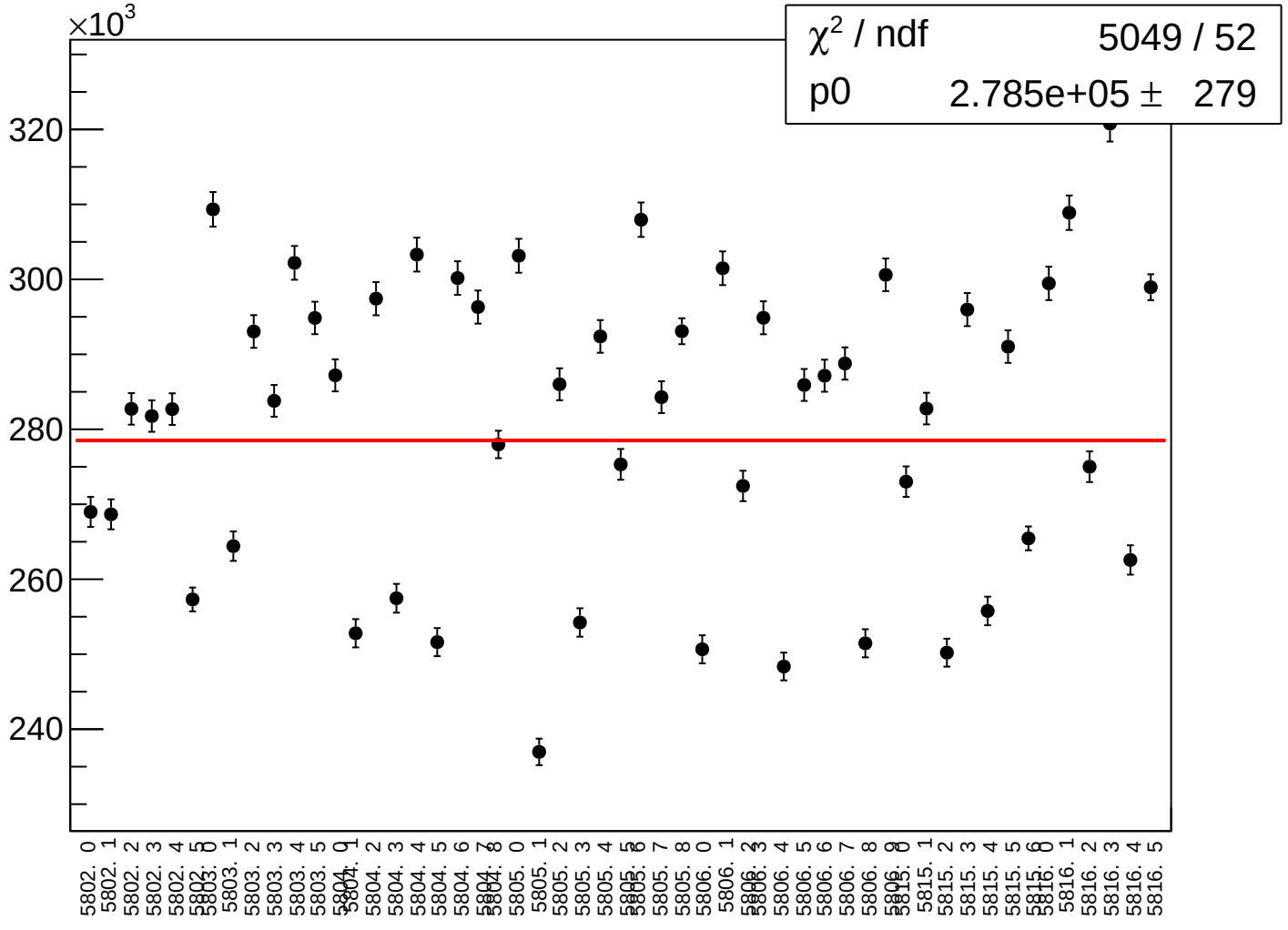

diff_cav4dX_mean vs run
χ² / ndf 68.17 / 52
p0 162.9 ± 426.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −85.84
Std Dev 0
2
1
0
−1
−2

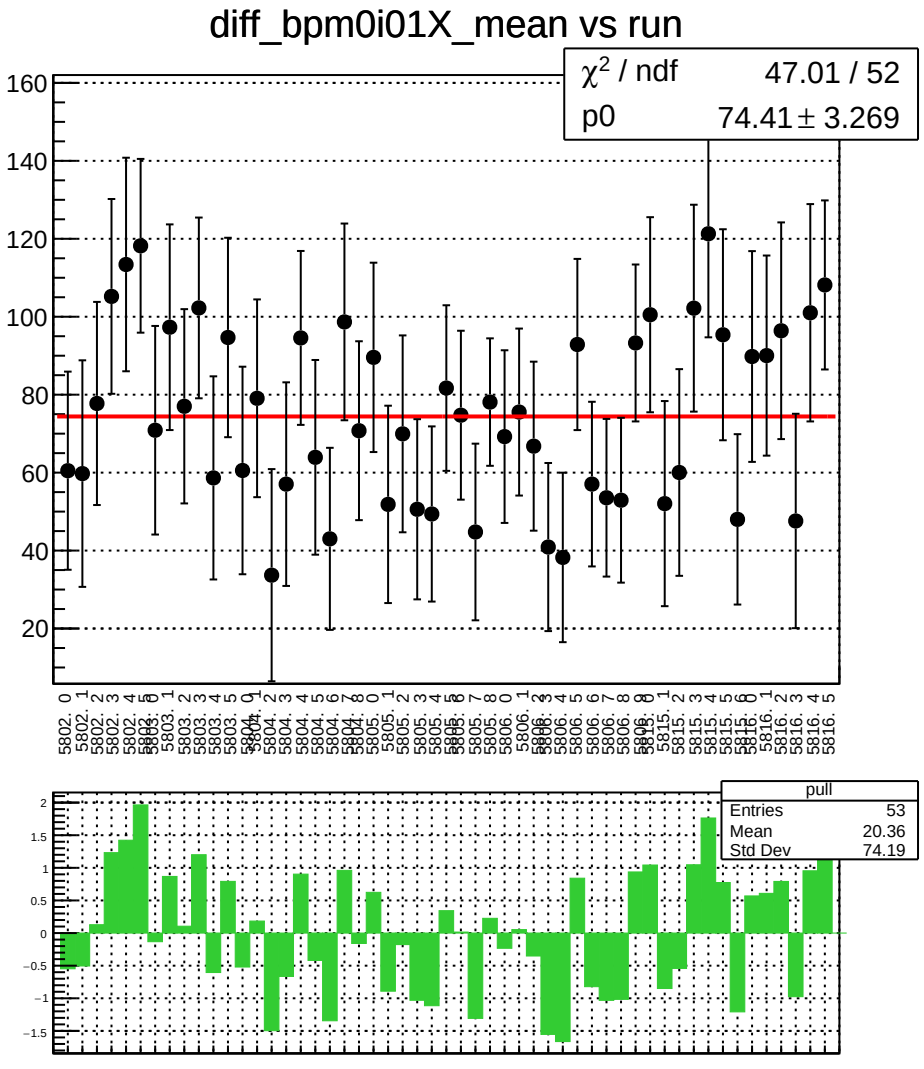

pull1D
Entries 53
Mean −0.02497
Std Dev 1.134
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

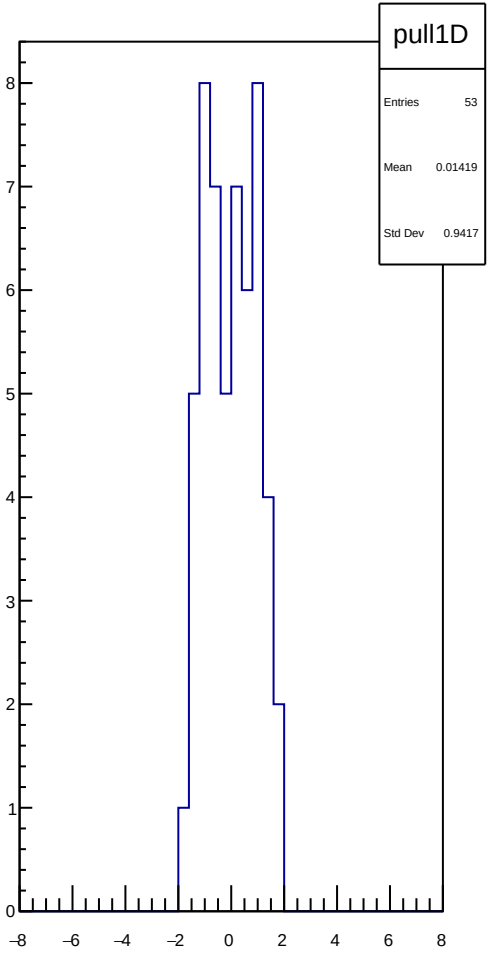

diff_cav4dX_rms vs run
×10^3
χ² / ndf 4272 / 52
p0 3.012e+05 ± 301.6
360
340
320
300
280
260

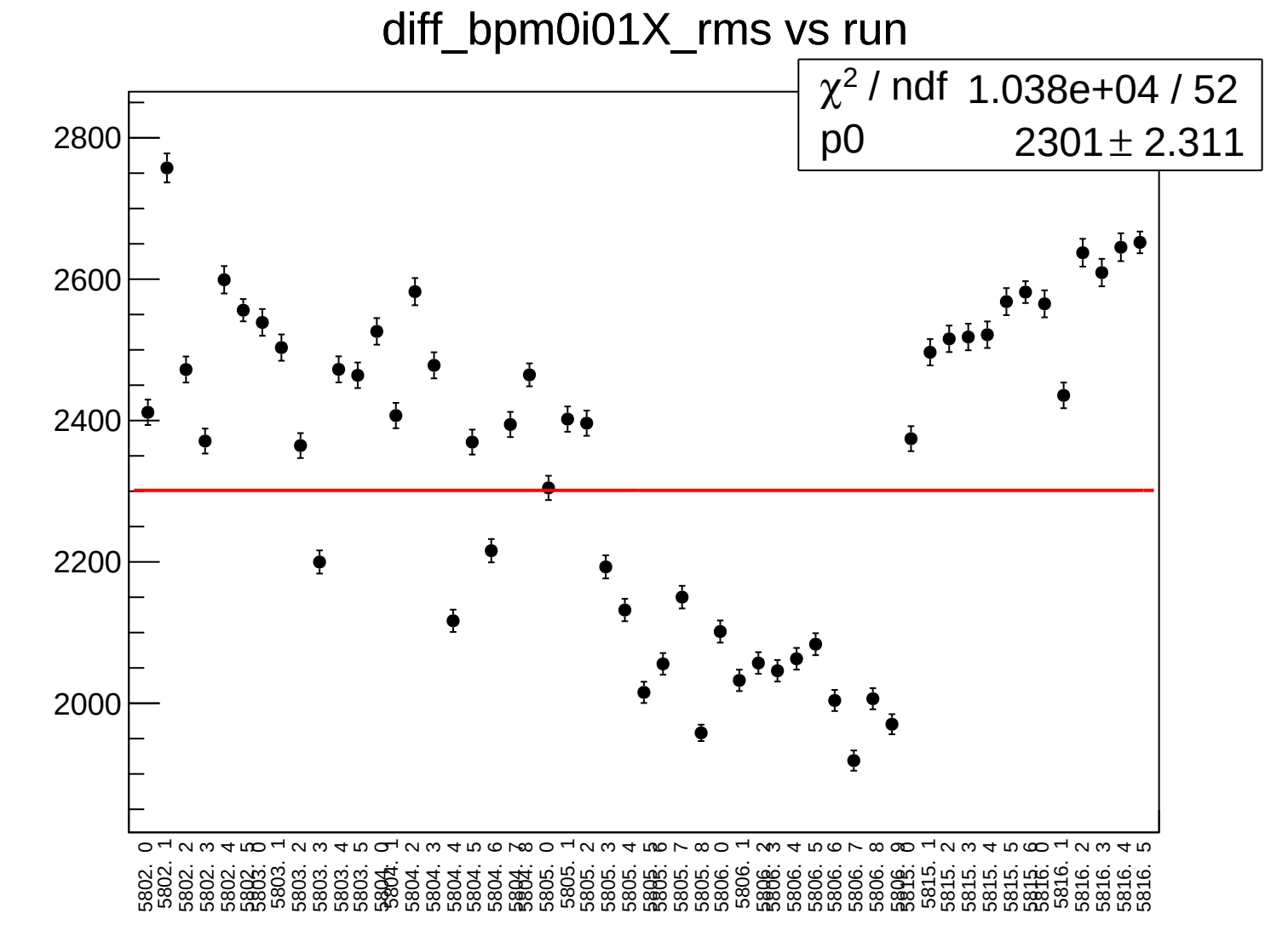

diff_cav4dY_mean vs run
χ^2 / ndf 46.32 / 52
p0 91.49 ± 394.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −60.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

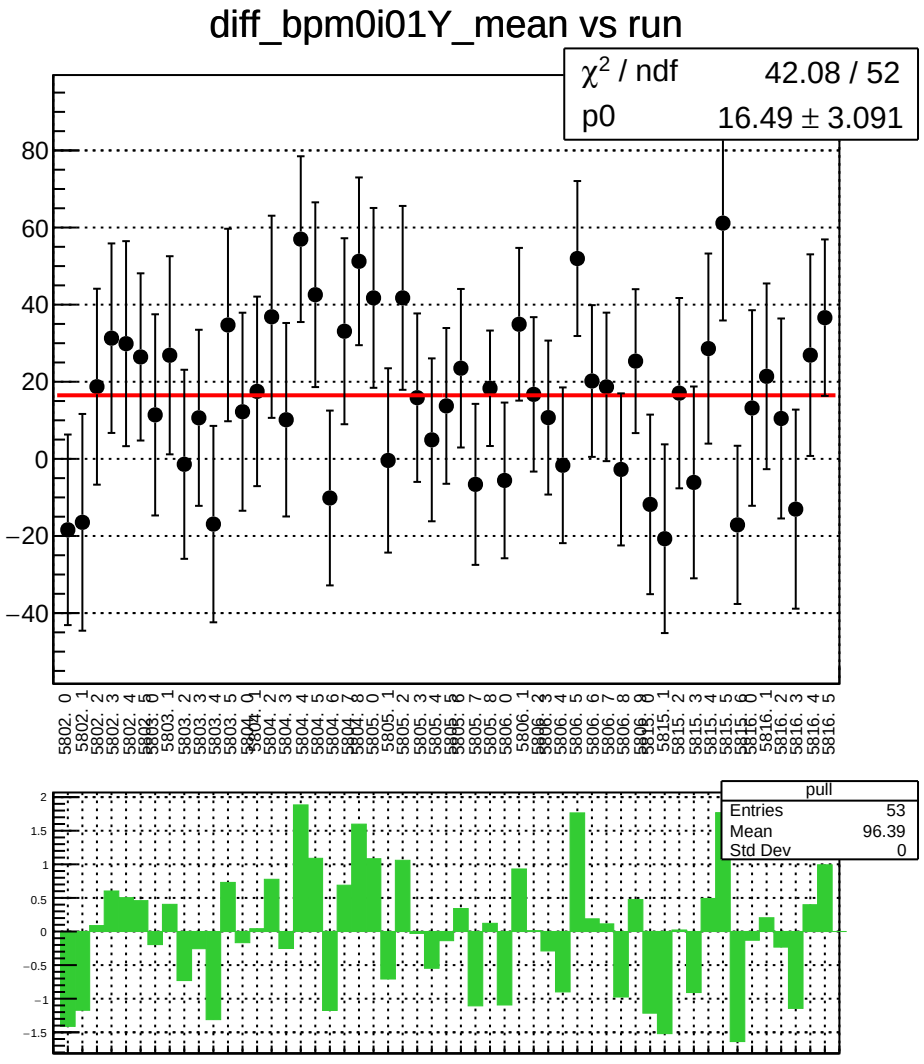

pull1D
Entries 53
Mean −0.01619
Std Dev 0.9347
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

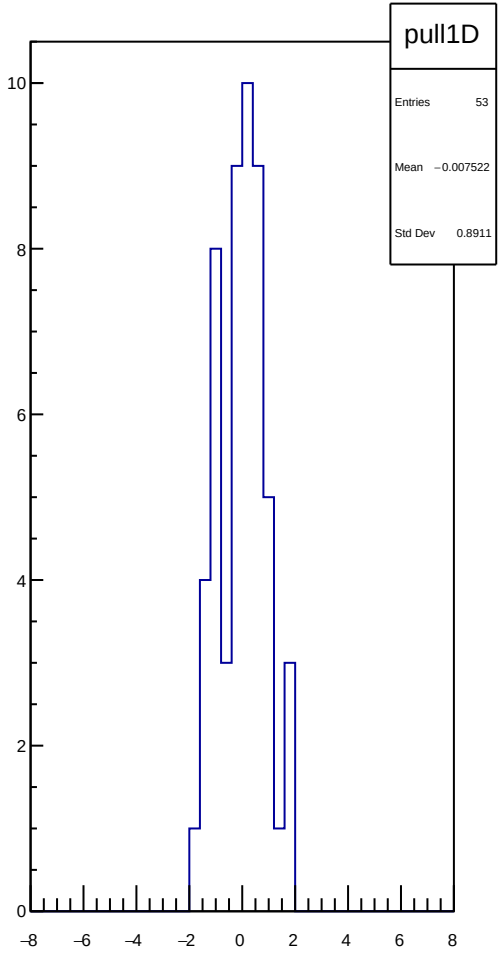

diff_cav4dY_rms vs run
×10^3
χ^2 / ndf 5049 / 52
p0 2.785e+05 ± 279
320
300
280
260
240

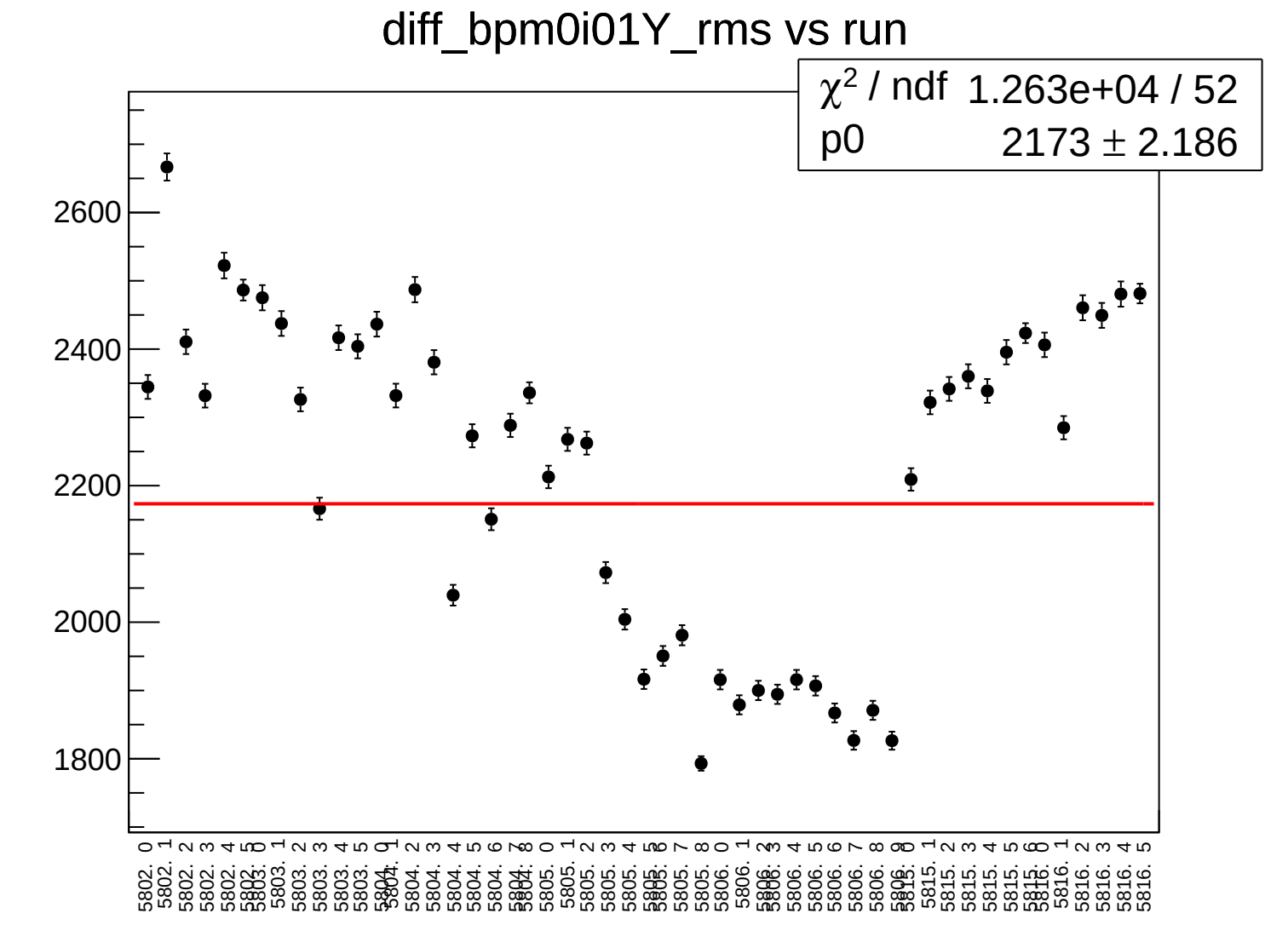

diff_bpm0i01X_mean vs run
χ² / ndf 47.01 / 52
p0 74.41 ± 3.269
pull
Entries 53
Mean 20.36
Std Dev 74.19

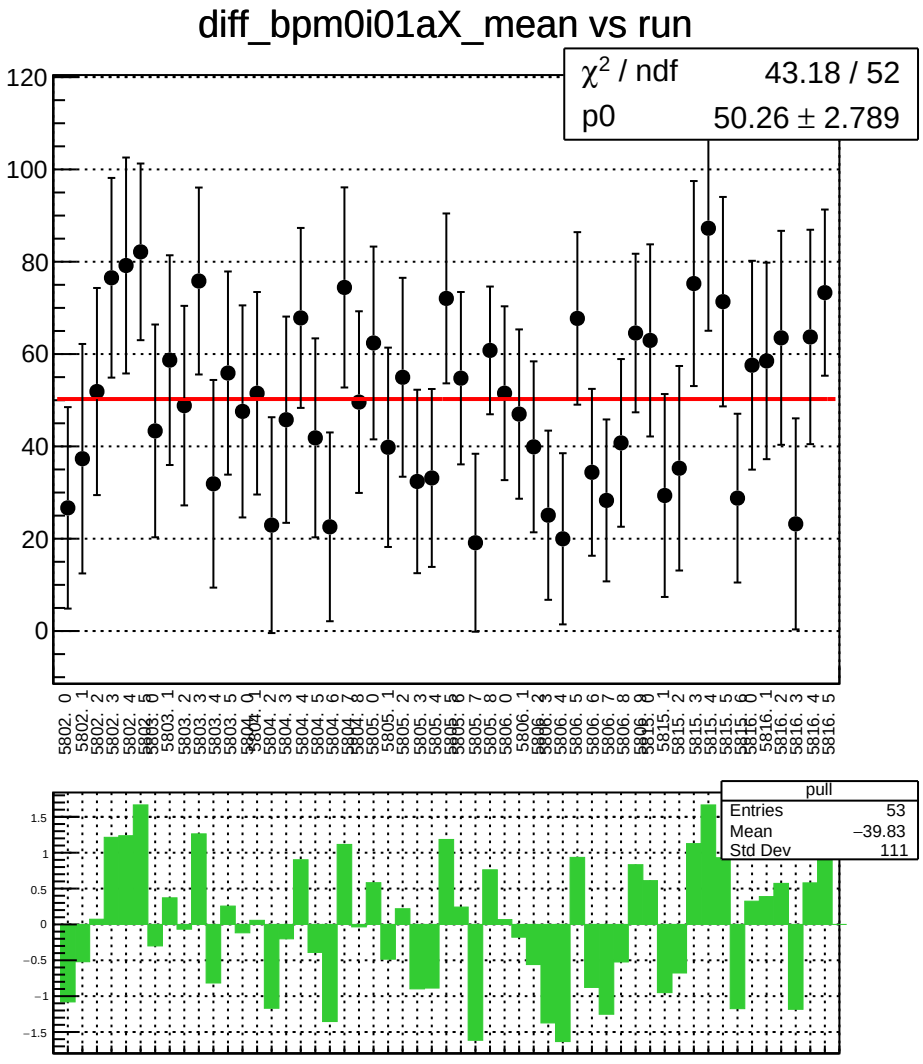

pull1D
Entries 53
Mean 0.01419
Std Dev 0.9417

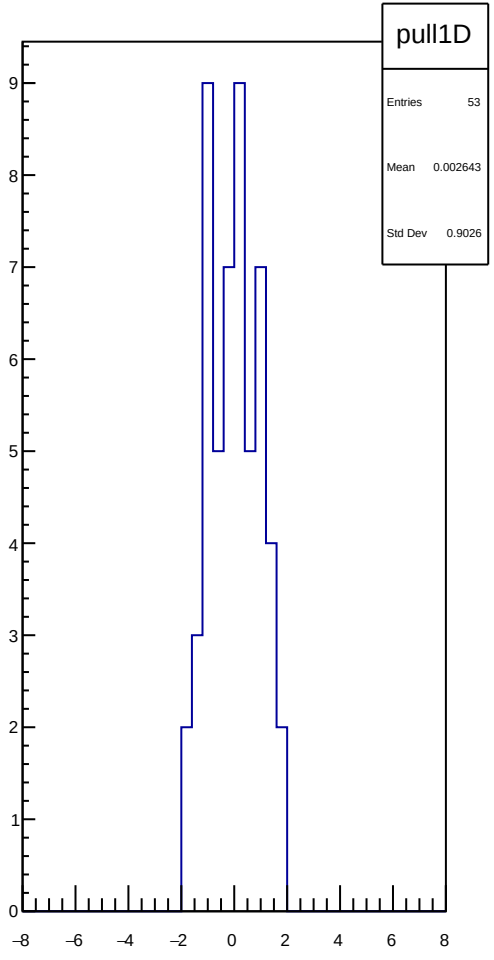

diff_bpm0i01X_rms vs run
χ² / ndf 1.038e+04 / 52
p0 2301 ± 2.311
2800
2600
2400
2200
2000

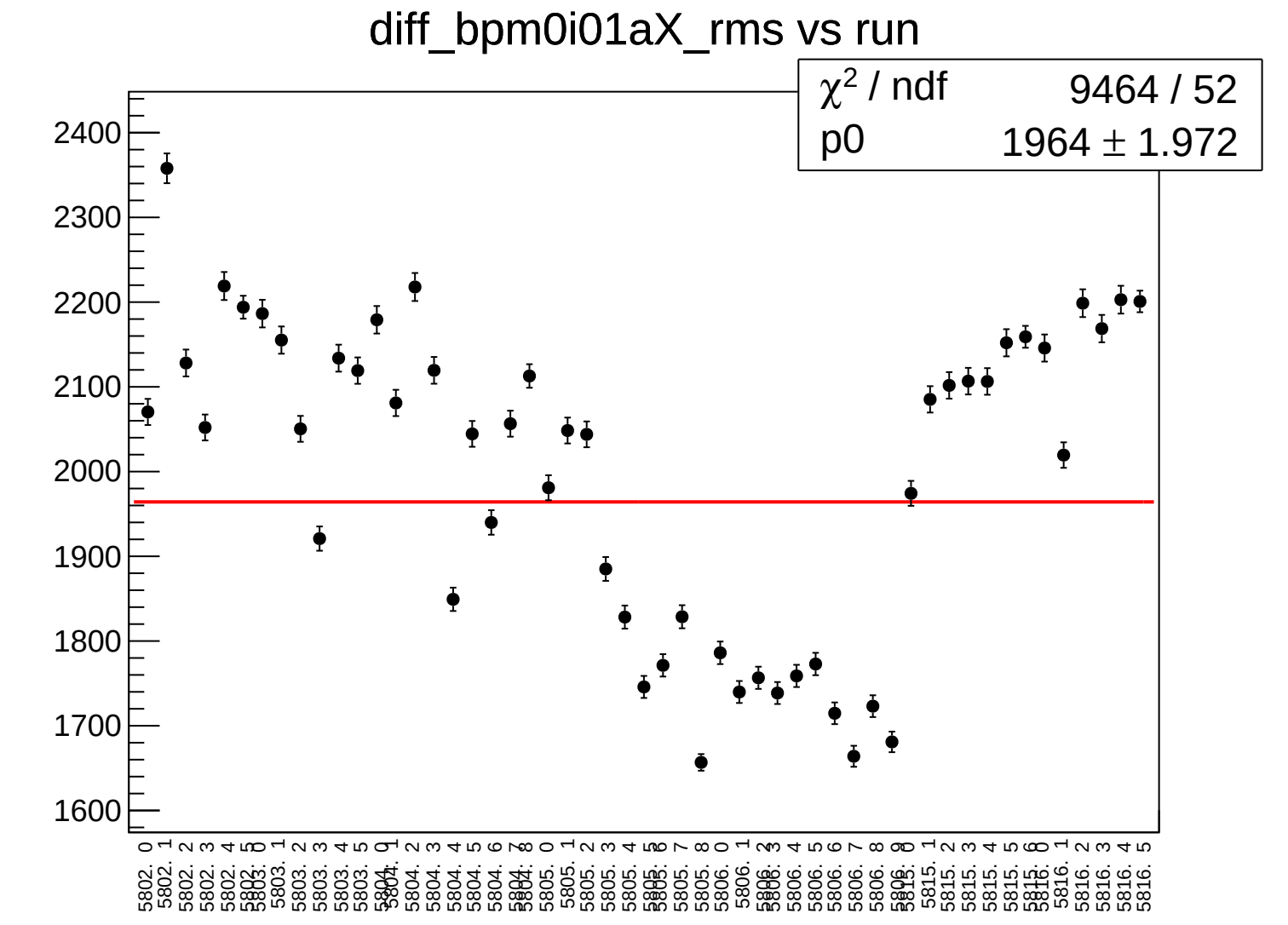

diff_bpm0i01Y_mean vs run
χ^2 / ndf 42.08 / 52
p0 16.49 ± 3.091
pull
Entries 53
Mean 96.39
Std Dev 0

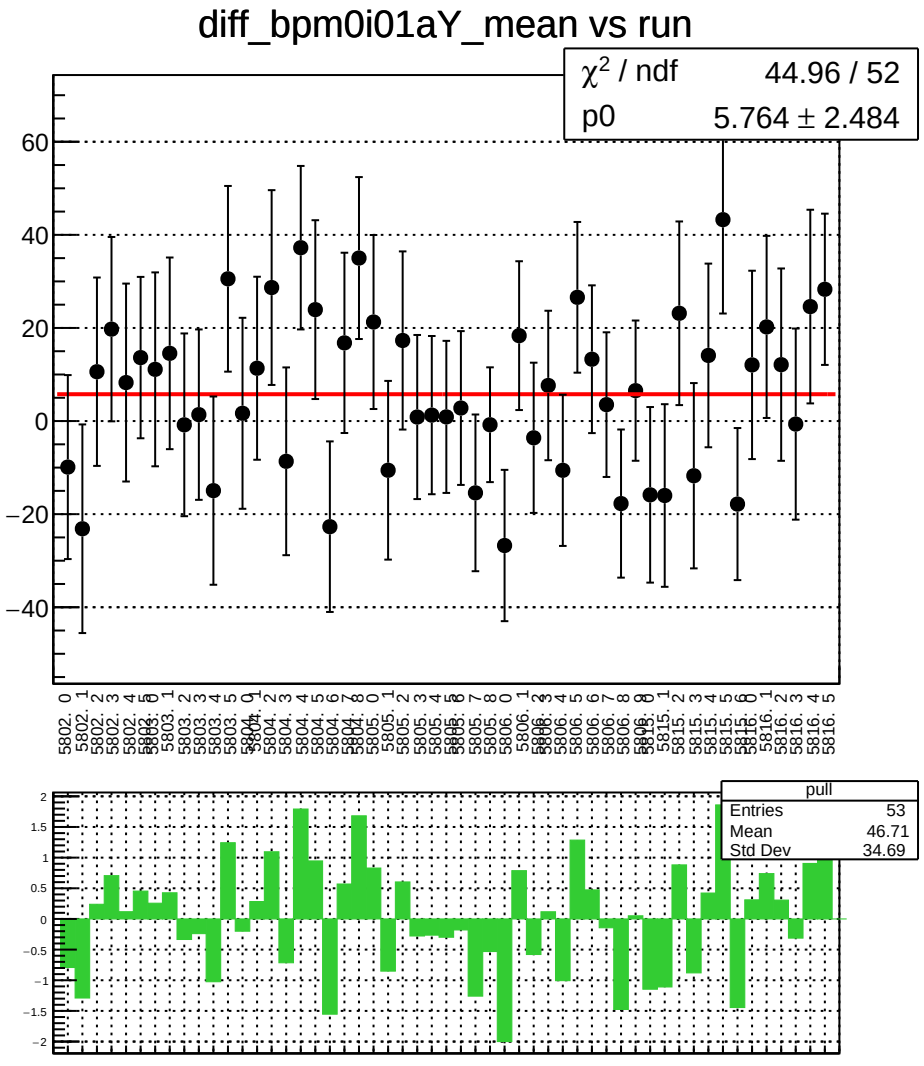

pull1D
Entries 53
Mean −0.007522
Std Dev 0.8911

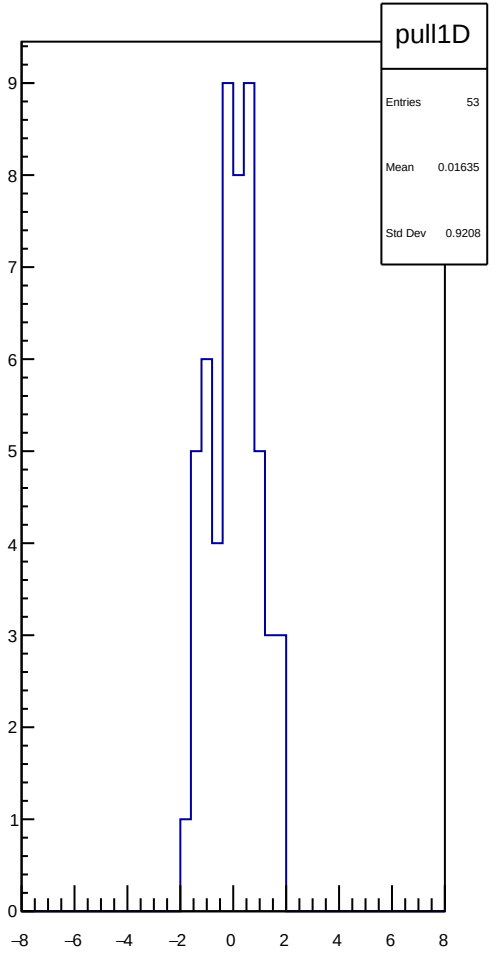

diff_bpm0i01Y_rms vs run
χ² / ndf 1.263e+04 / 52
p0 2173 ± 2.186
2600
2400
2200
2000
1800

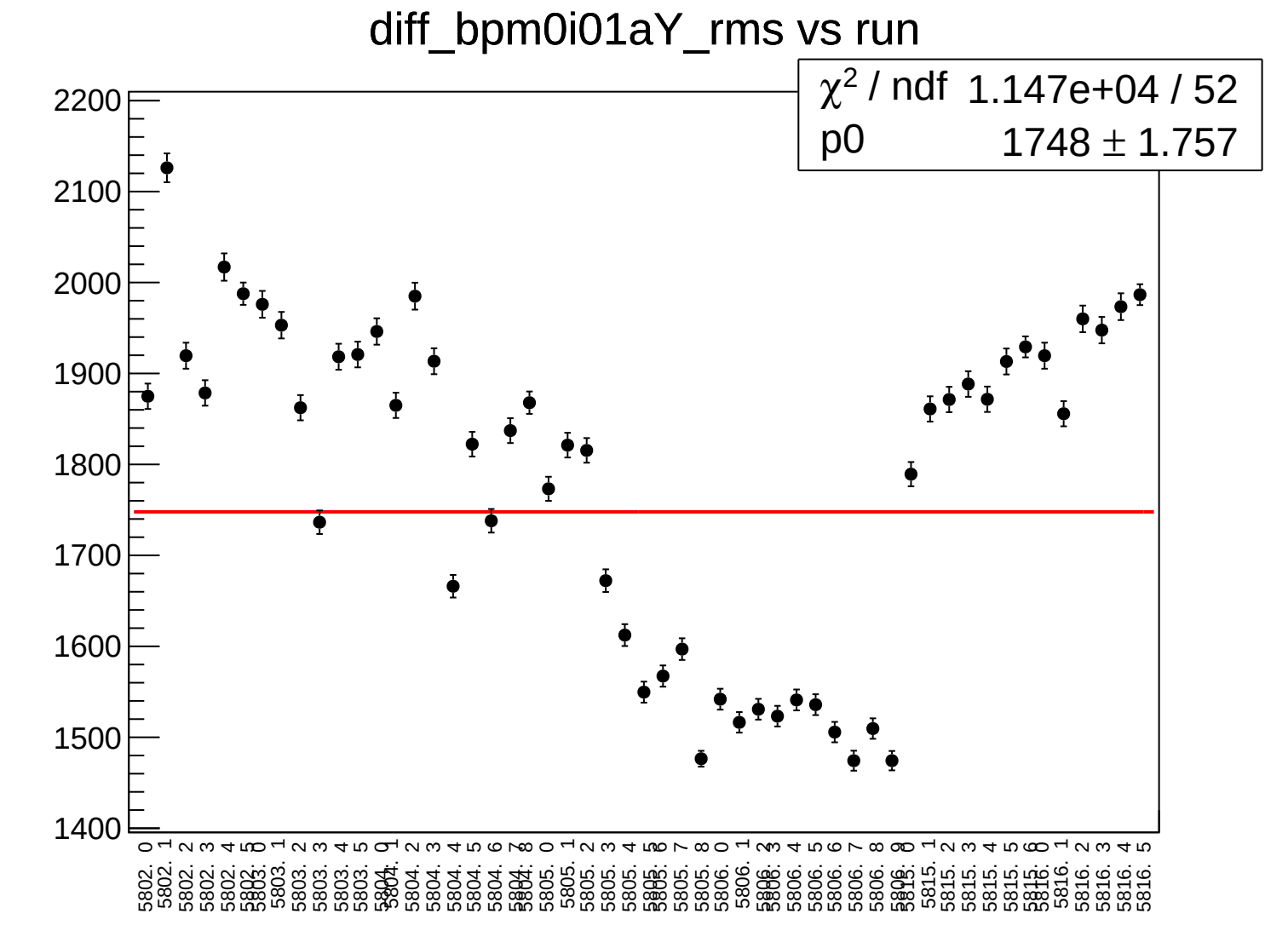

diff_bpm0i01aX_mean vs run
χ² / ndf 43.18 / 52
p0 50.26 ± 2.789
pull
Entries 53
Mean −39.83
Std Dev 111

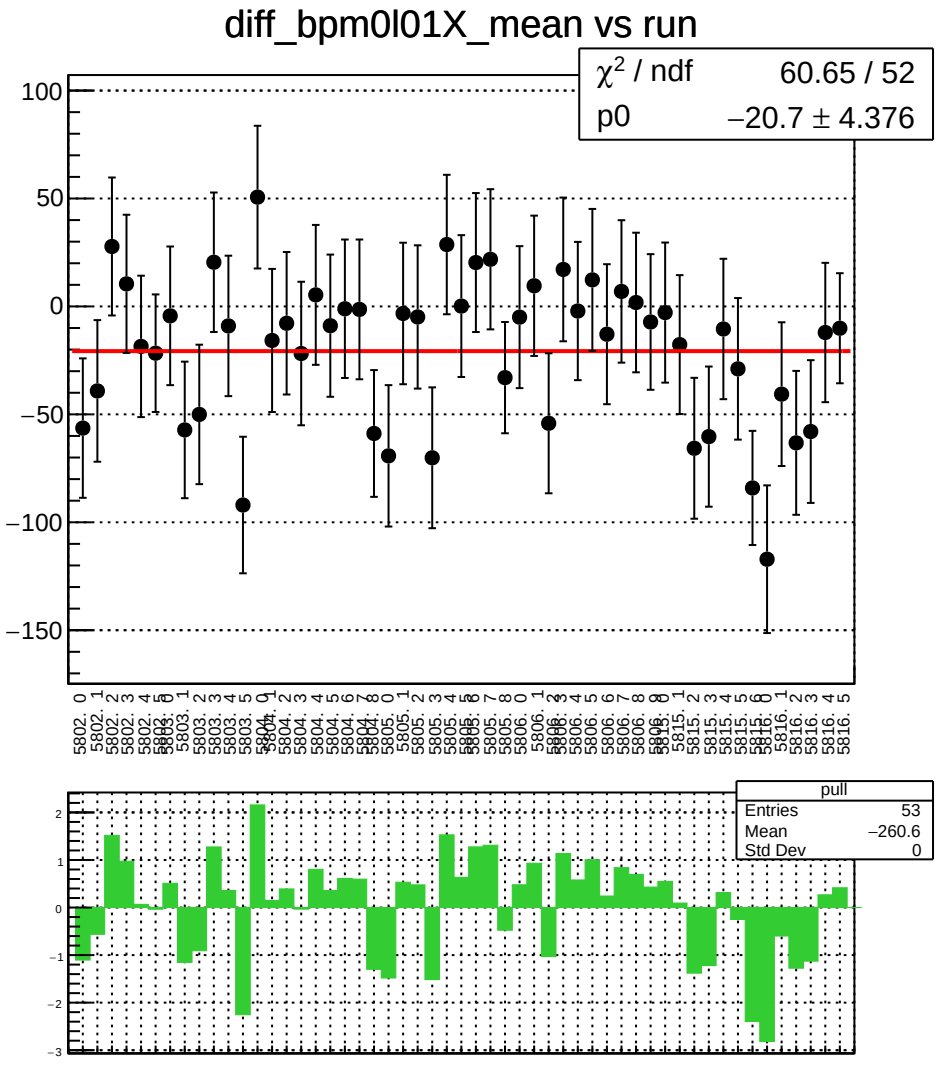

pull1D
Entries 53
Mean 0.002643
Std Dev 0.9026

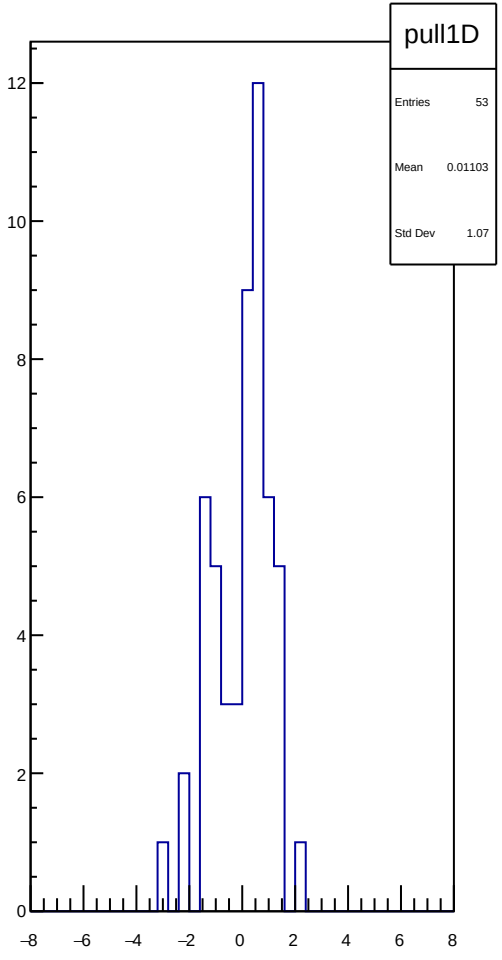

diff_bpm0i01aX_rms vs run
χ² / ndf 9464 / 52
p0 1964 ± 1.972
2400
2300
2200
2100
2000
1900
1800
1700
1600

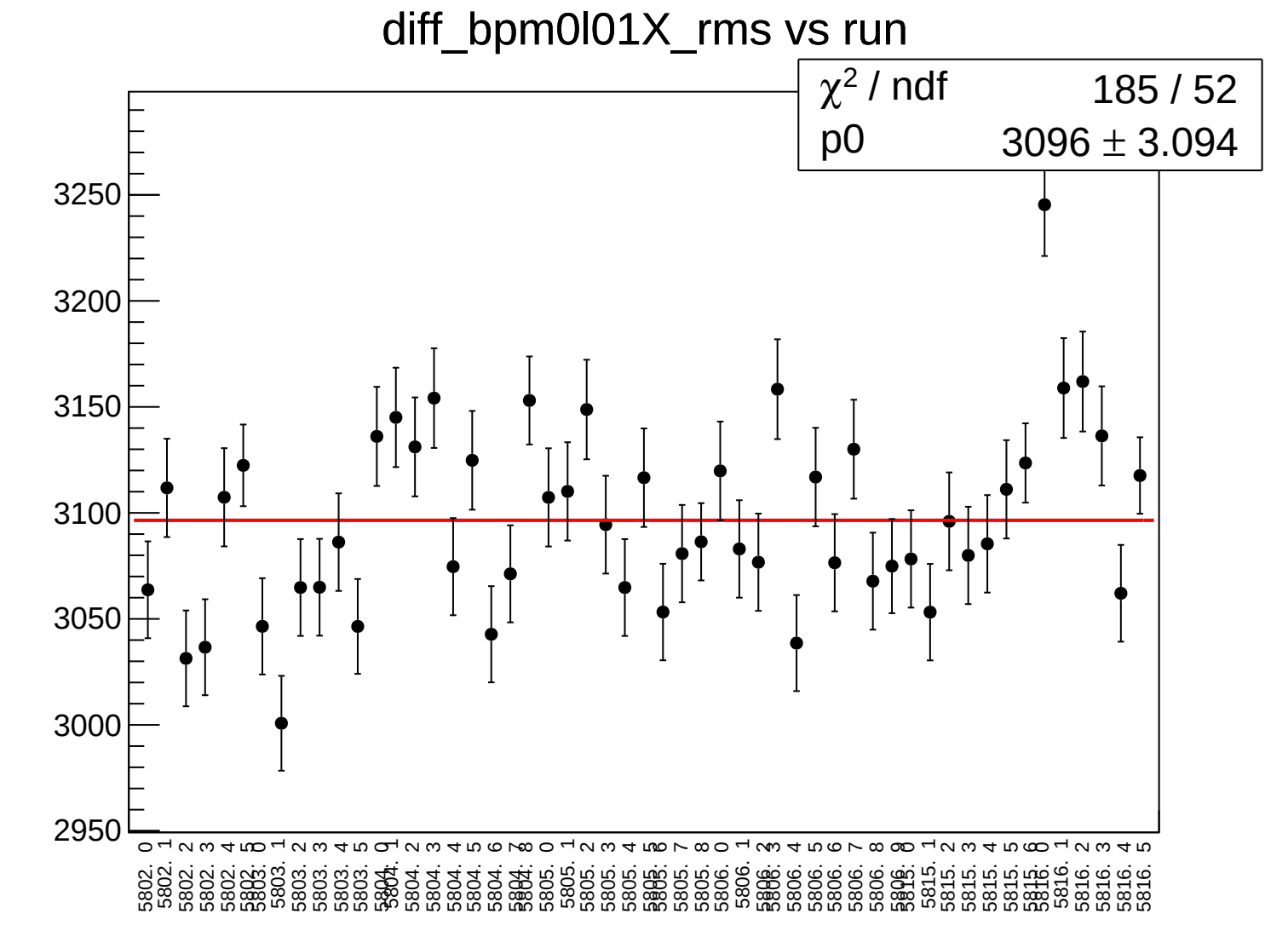

diff_bpm0i01aY_mean vs run
χ^2 / ndf 44.96 / 52
p0 5.764 ± 2.484
pull
Entries 53
Mean 46.71
Std Dev 34.69

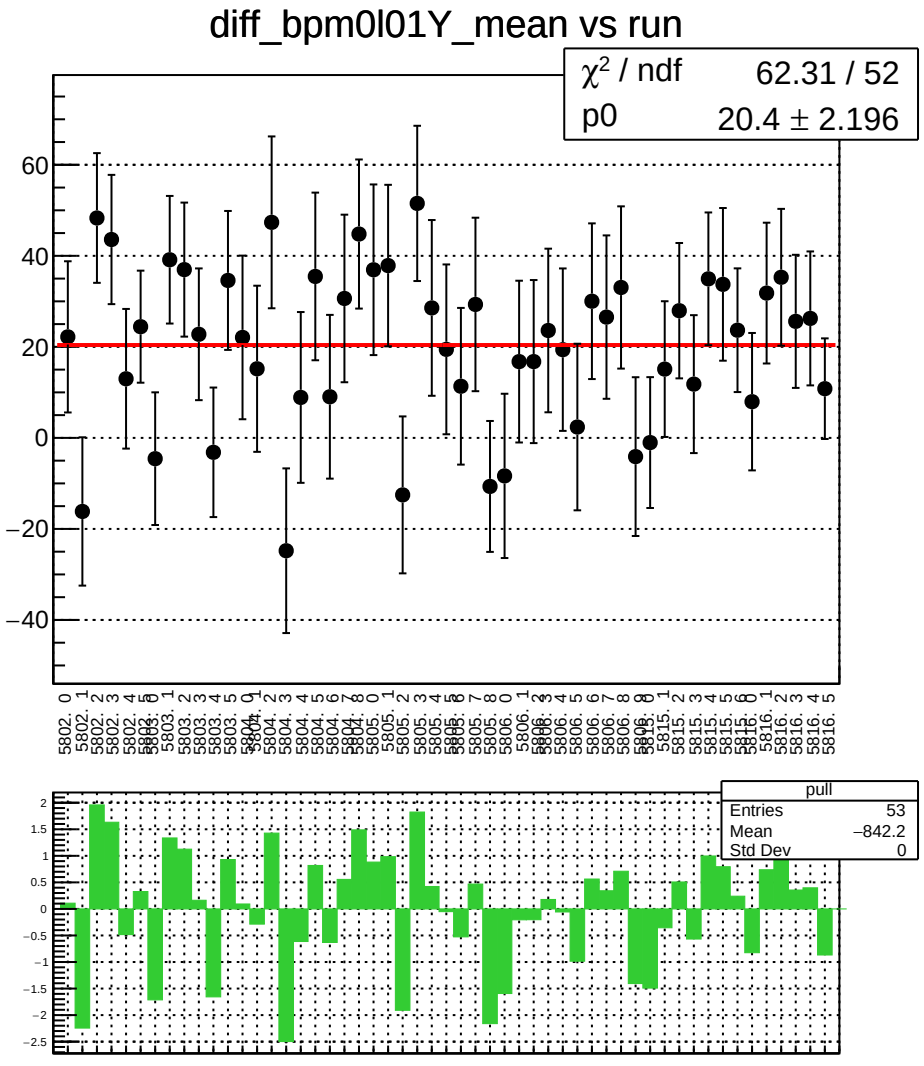

pull1D
Entries 53
Mean 0.01635
Std Dev 0.9208

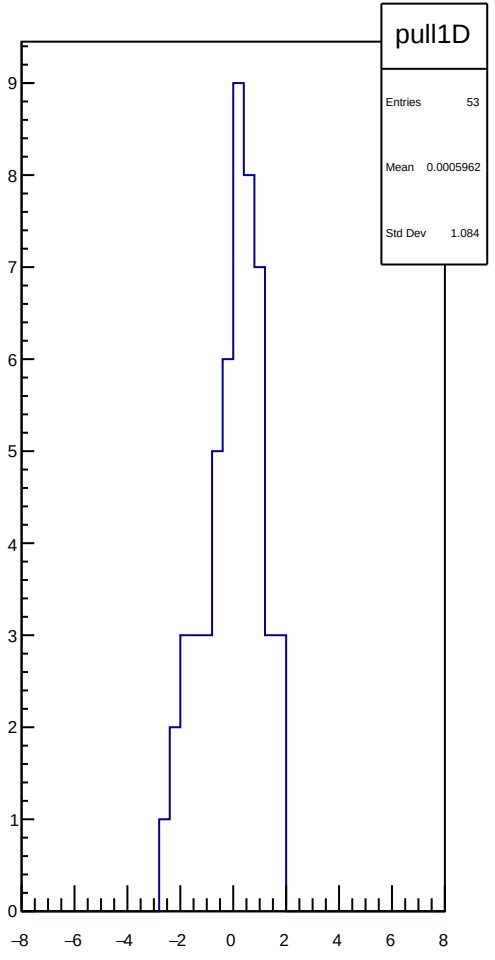

diff_bpm0i01aY_rms vs run
χ² / ndf 1.147e+04 / 52
p0 1748 ± 1.757
2200
2100
2000
1900
1800
1700
1600
1500
1400

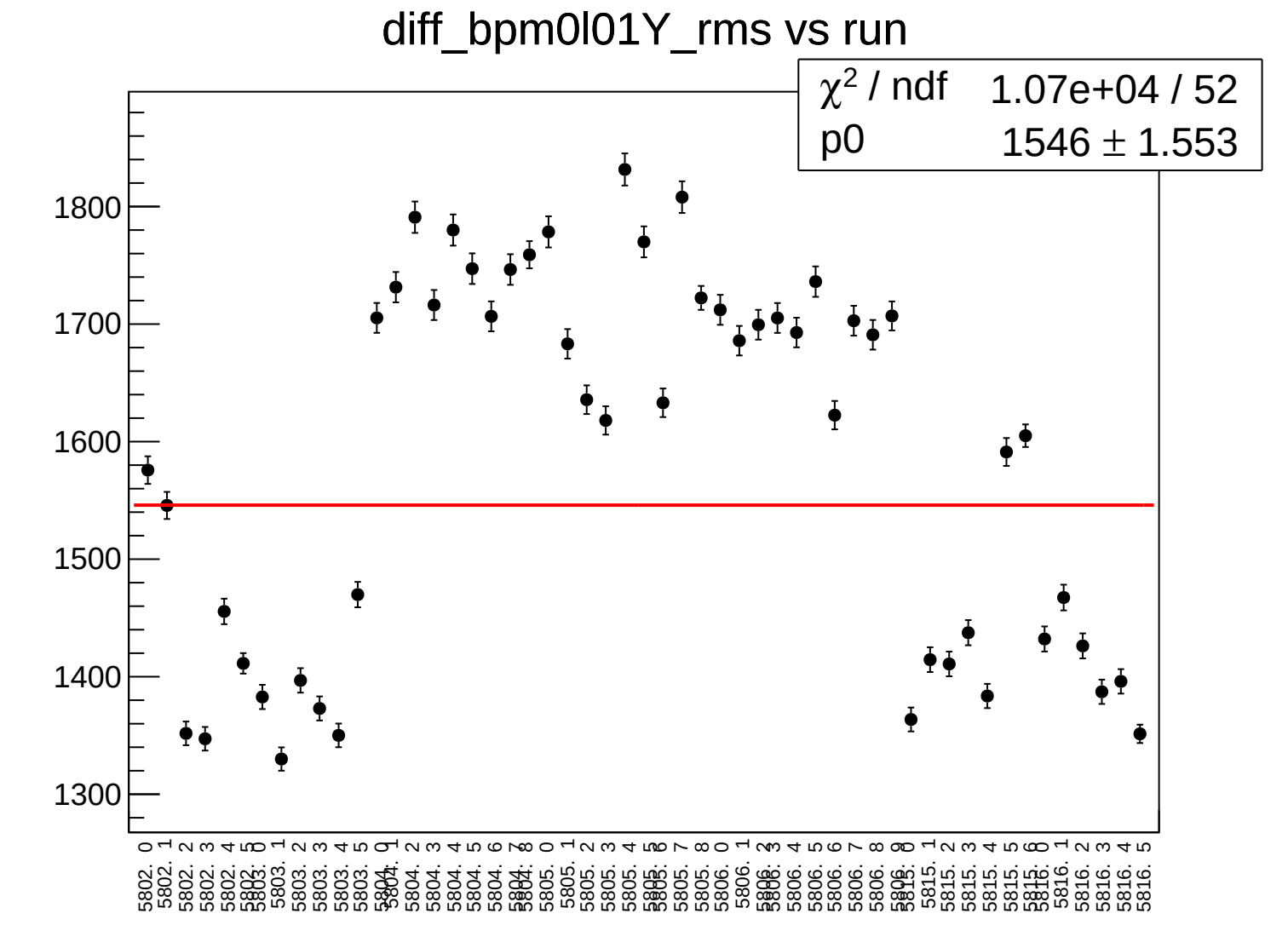

diff_bpm0l01X_mean vs run
χ² / ndf 60.65 / 52
p0 −20.7 ± 4.376
pull
Entries 53
Mean −260.6
Std Dev 0

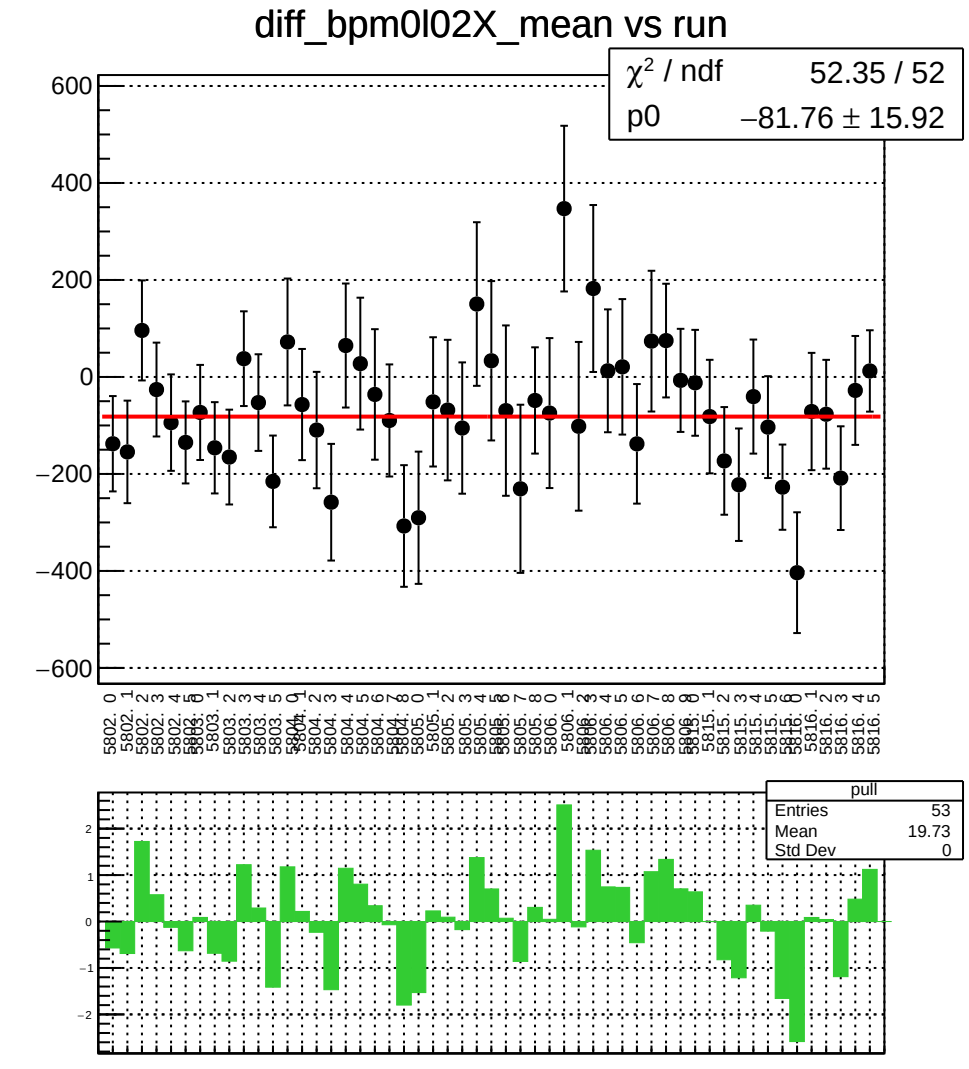

pull1D
Entries 53
Mean 0.01103
Std Dev 1.07

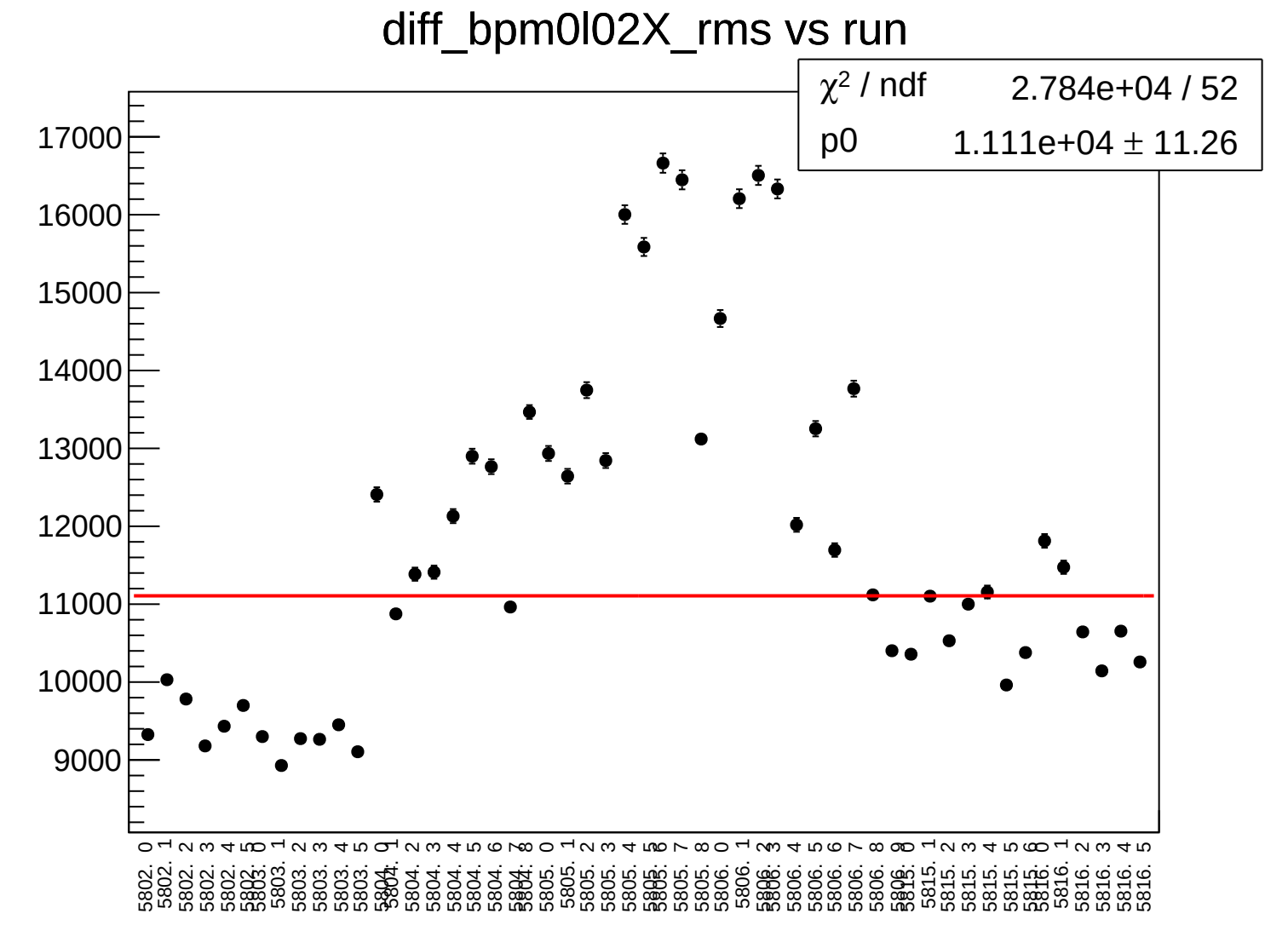

diff_bpm0l01X_rms vs run
χ² / ndf 185 / 52
p0 3096 ± 3.094
3250
3200
3150
3100
3050
3000
2950

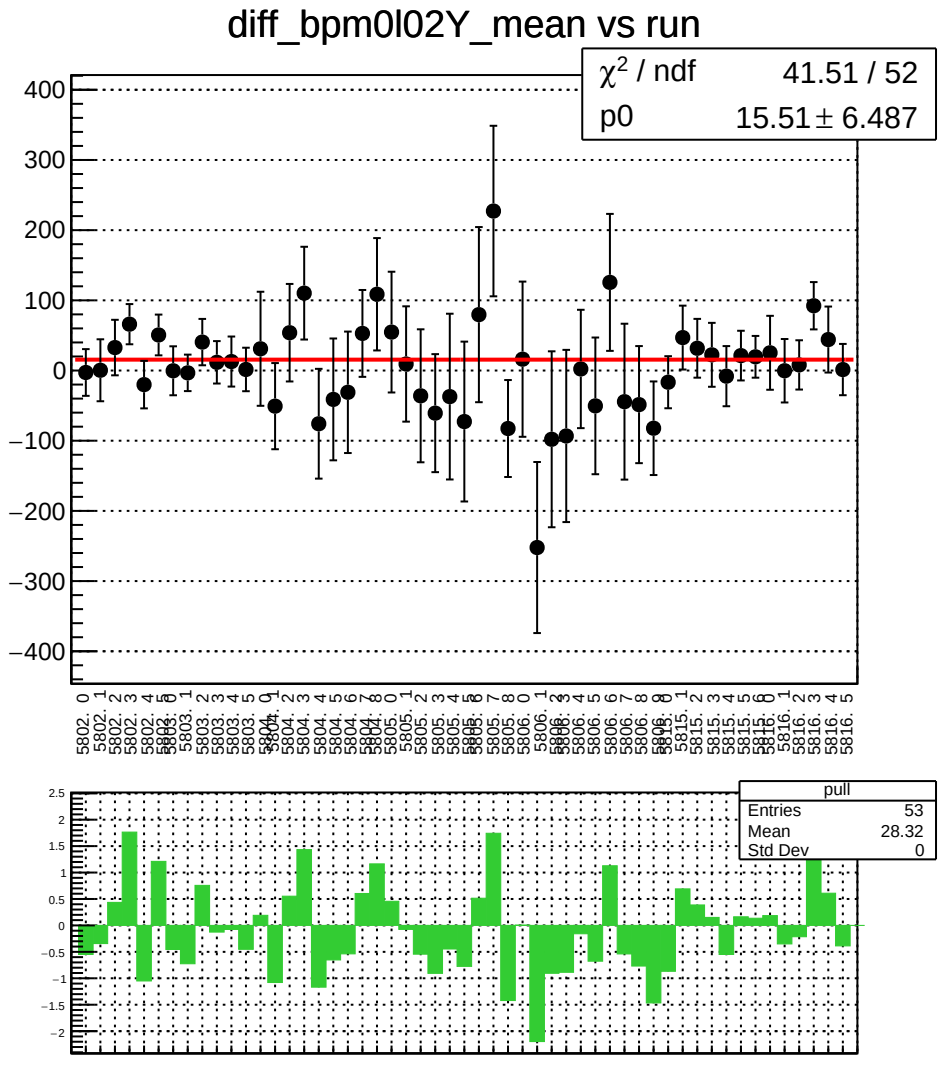

diff_bpm0l01Y_mean vs run
χ² / ndf 62.31 / 52
p0 20.4 ± 2.196
pull
Entries 53
Mean −842.2
Std Dev 0

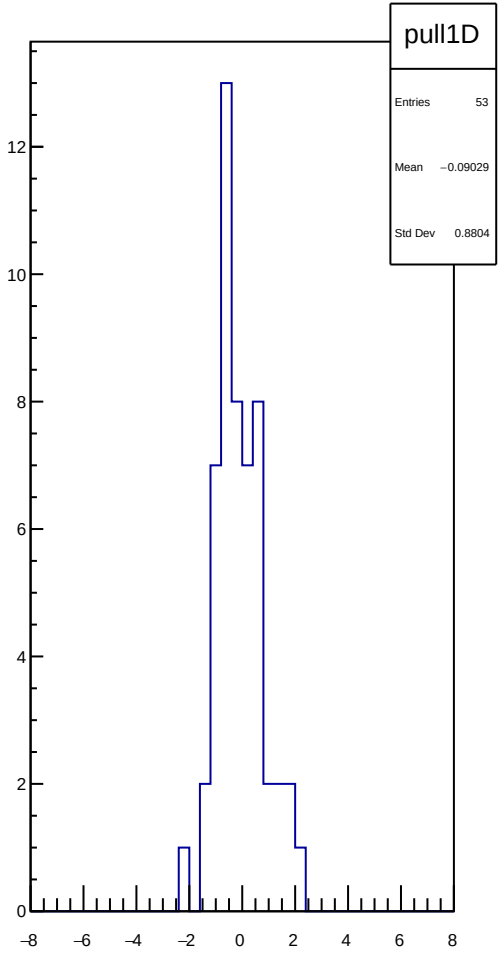

pull1D
Entries 53
Mean 0.0005962
Std Dev 1.084

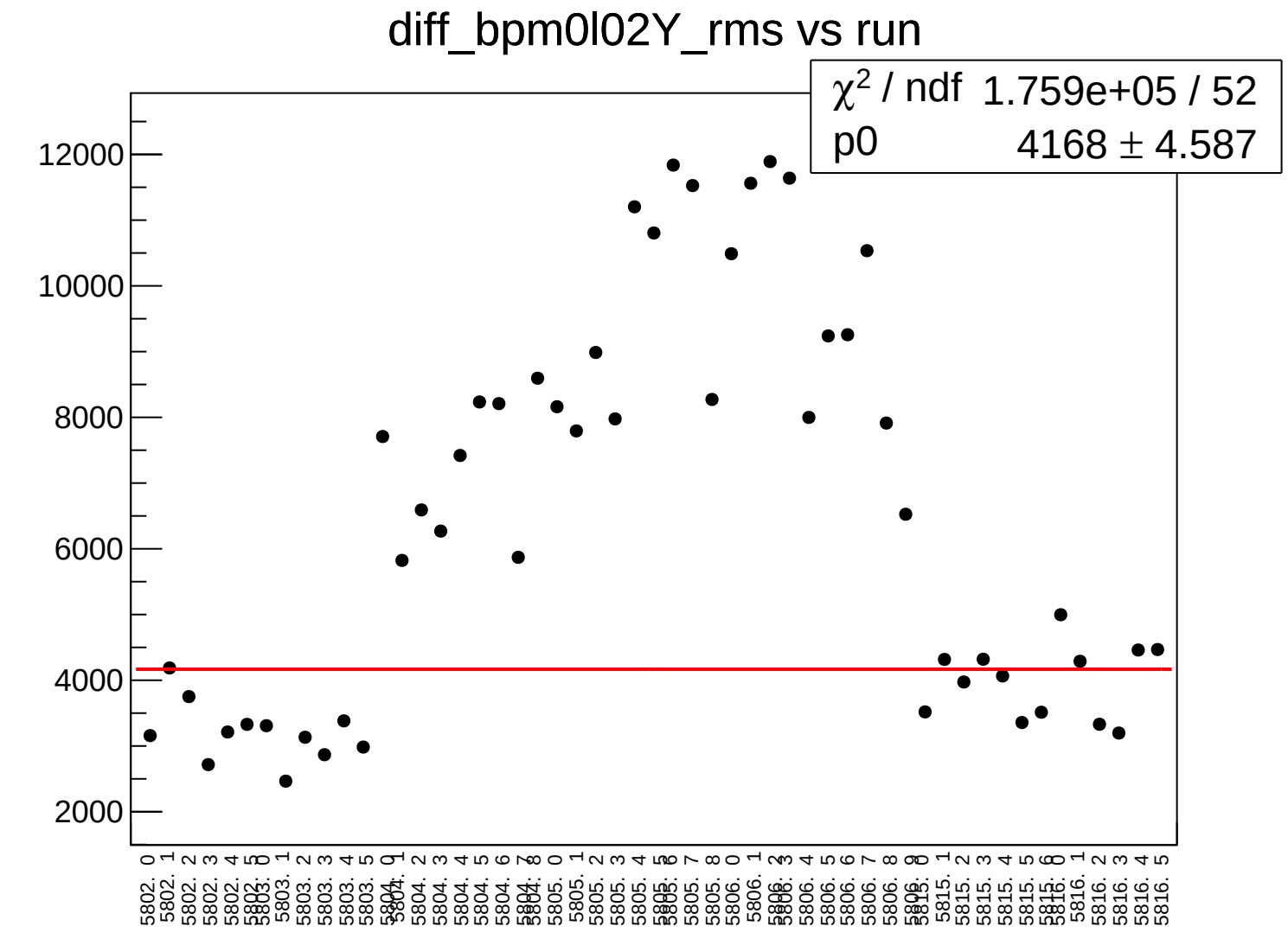

diff_bpm0l01Y_rms vs run
χ² / ndf 1.07e+04 / 52
p0 1546 ± 1.553
1800
1700
1600
1500
1400
1300

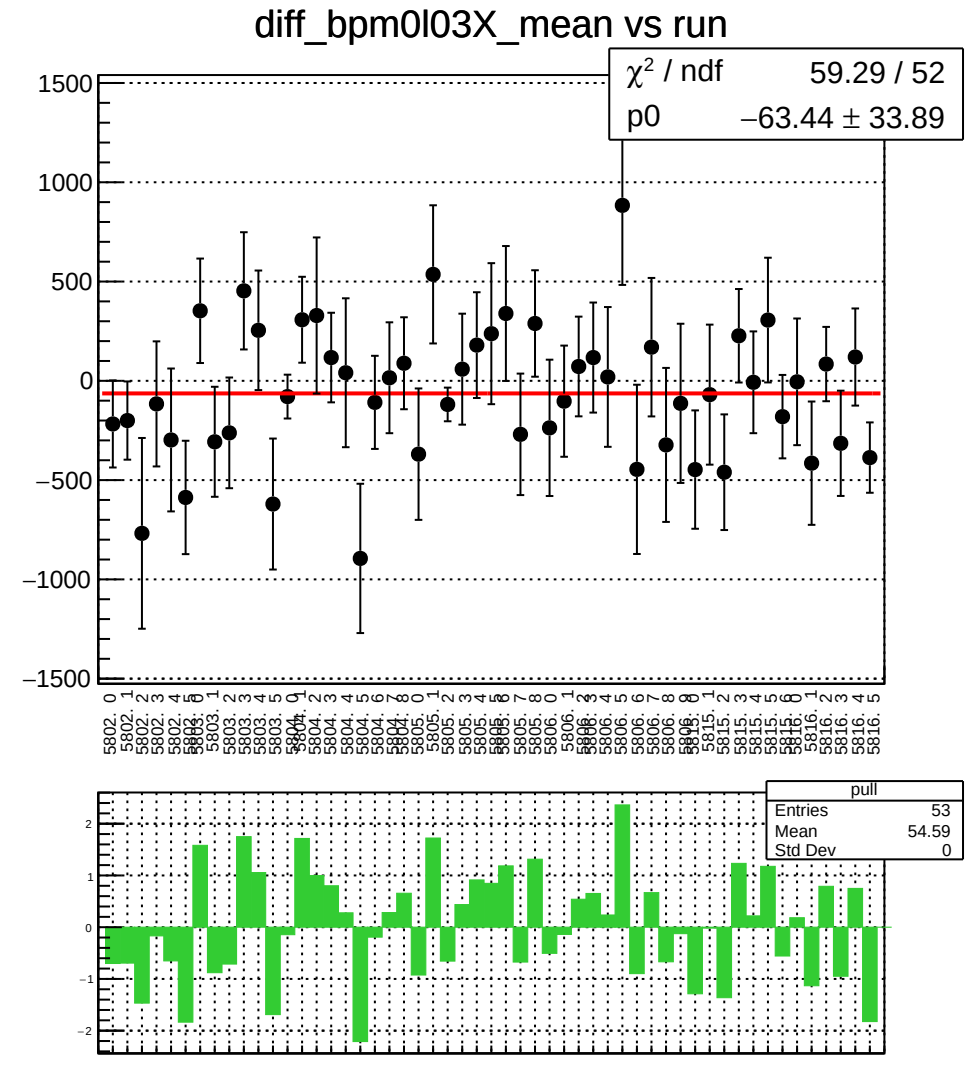

diff_bpm0l02X_mean vs run
χ² / ndf 52.35 / 52
p0 −81.76 ± 15.92
pull
Entries 53
Mean 19.73
Std Dev 0
pull1D
Entries 53
Mean 0.04601
Std Dev 0.9928

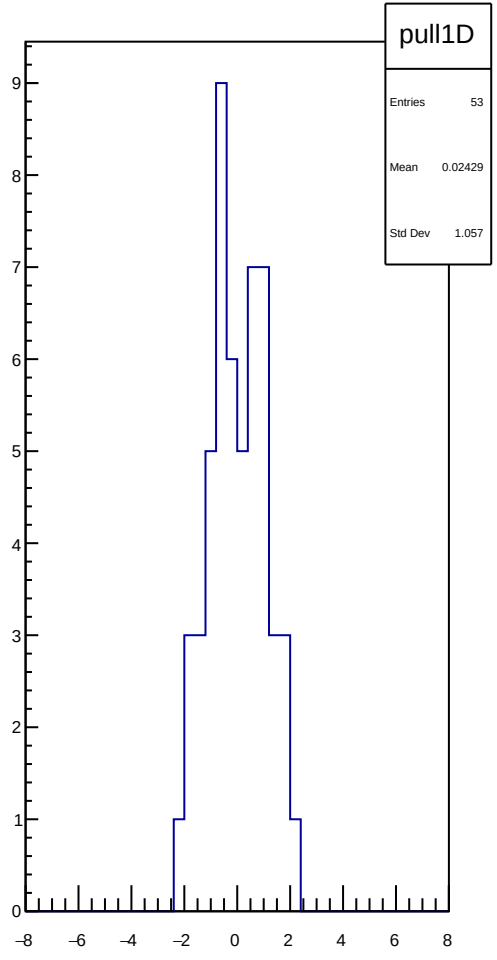

diff_bpm0l02X_rms vs run
χ² / ndf 2.784e+04 / 52
p0 1.111e+04 ± 11.26
17000
16000
15000
14000
13000
12000
11000
10000
9000

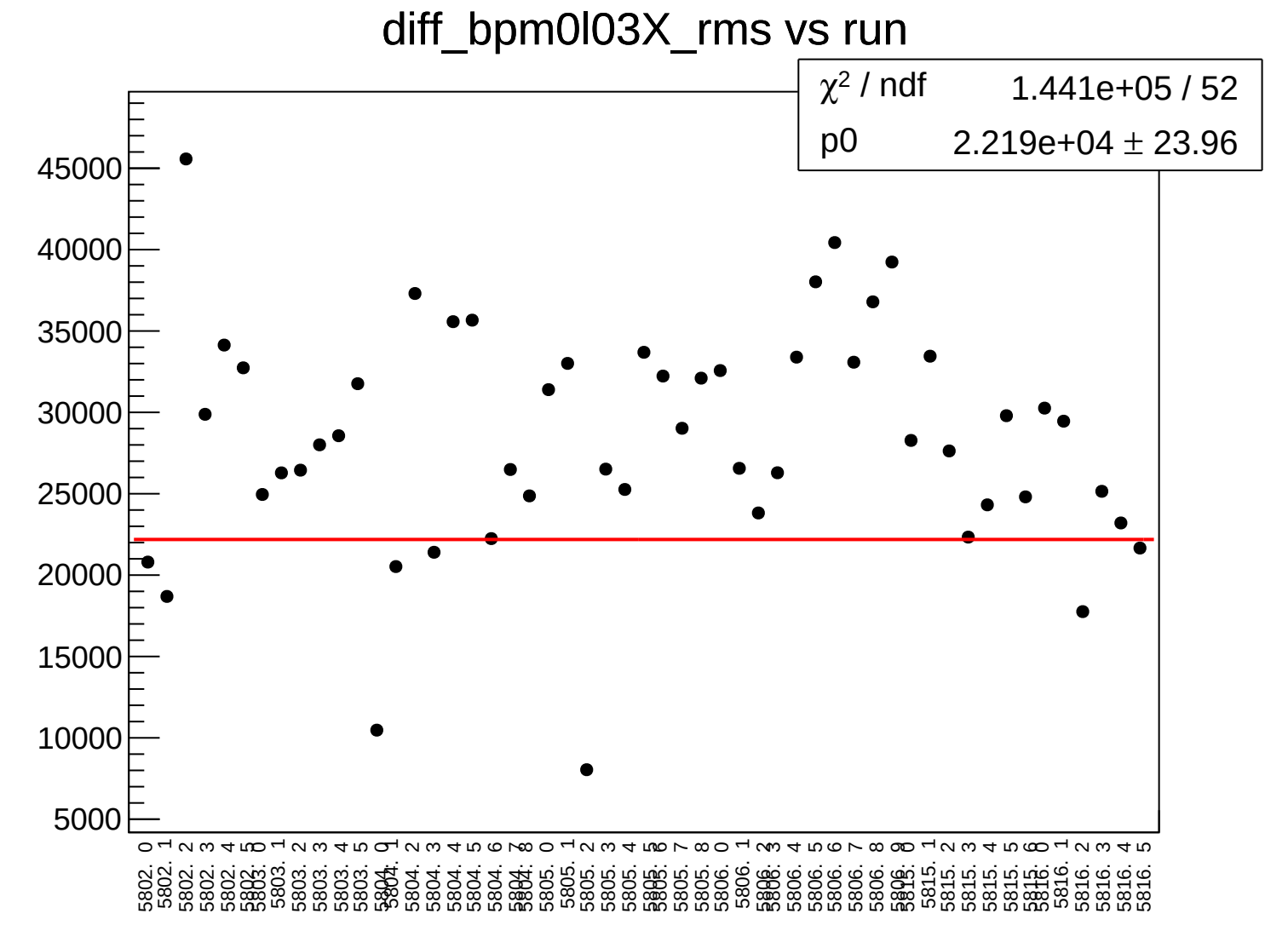

diff_bpm0l02Y_mean vs run
χ² / ndf 41.51 / 52
p0 15.51 ± 6.487
pull
Entries 53
Mean 28.32
Std Dev 0

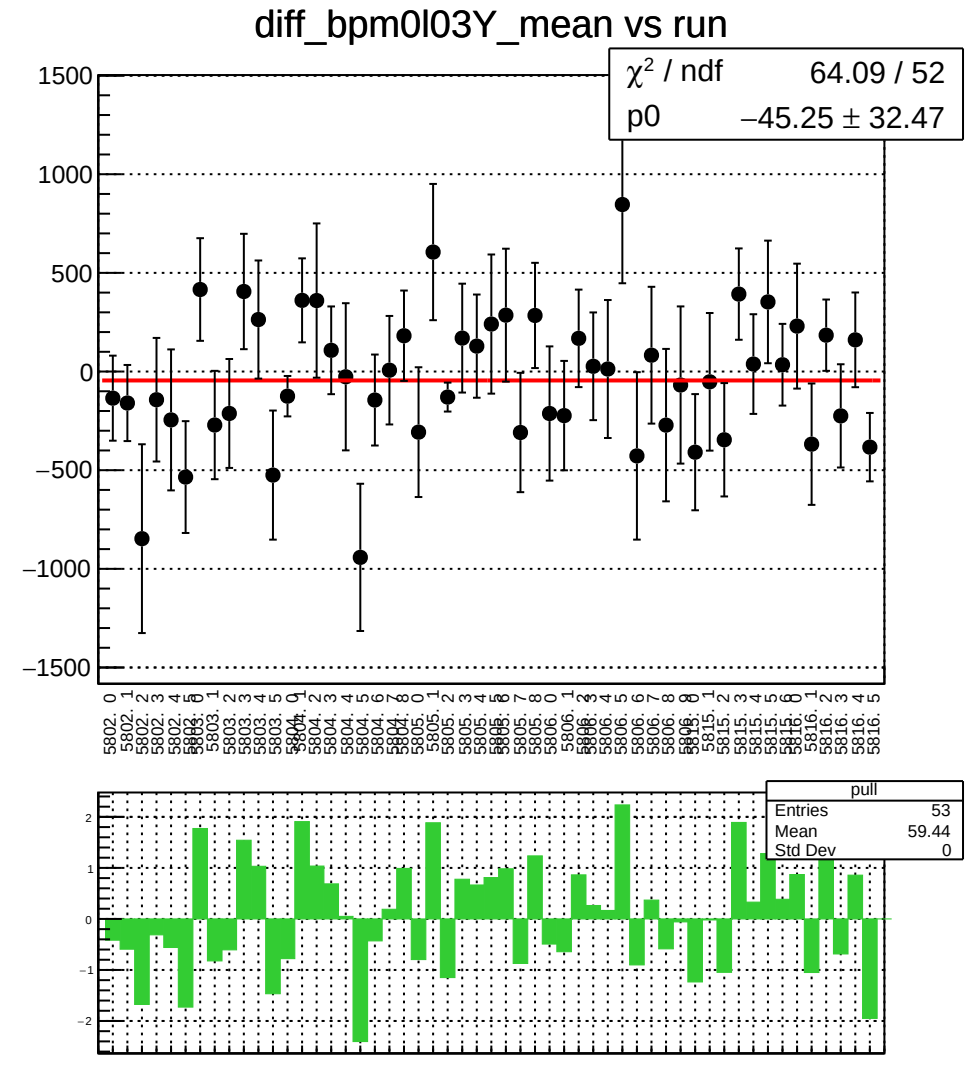

pull1D
Entries 53
Mean −0.09029
Std Dev 0.8804

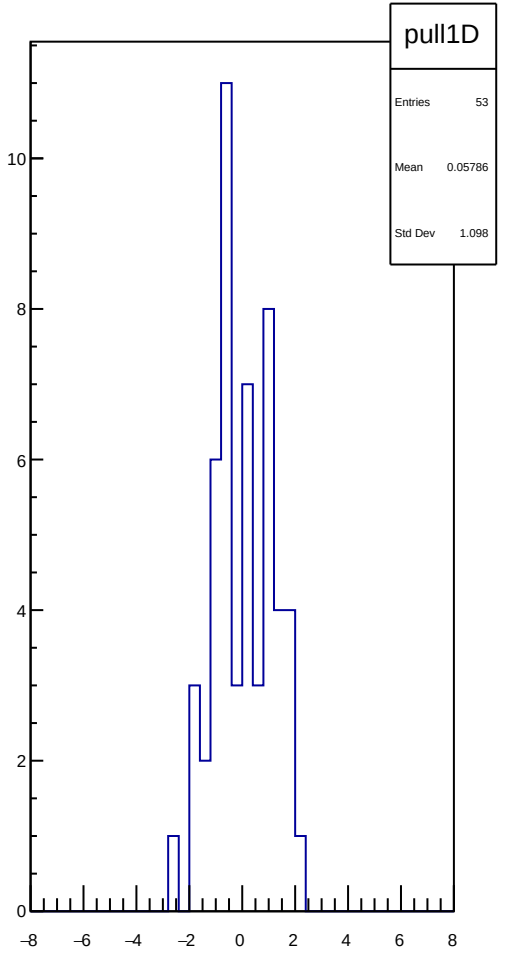

diff_bpm0l02Y_rms vs run
χ² / ndf 1.759e+05 / 52
p0 4168 ± 4.587
12000
10000
8000
6000
4000
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

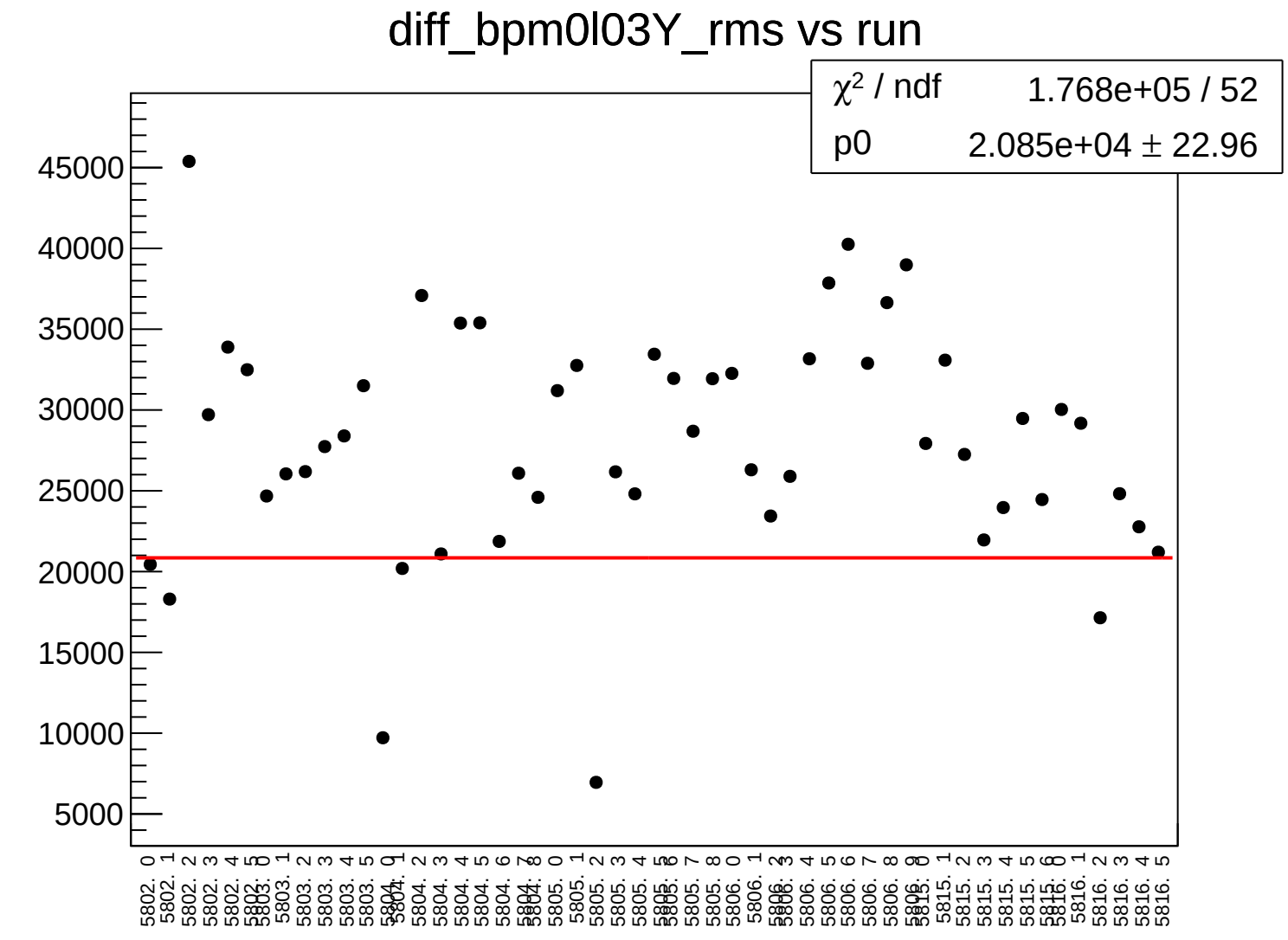

diff_bpm0l03X_mean vs run
χ² / ndf 59.29 / 52
p0 −63.44 ± 33.89
pull
Entries 53
Mean 54.59
Std Dev 0

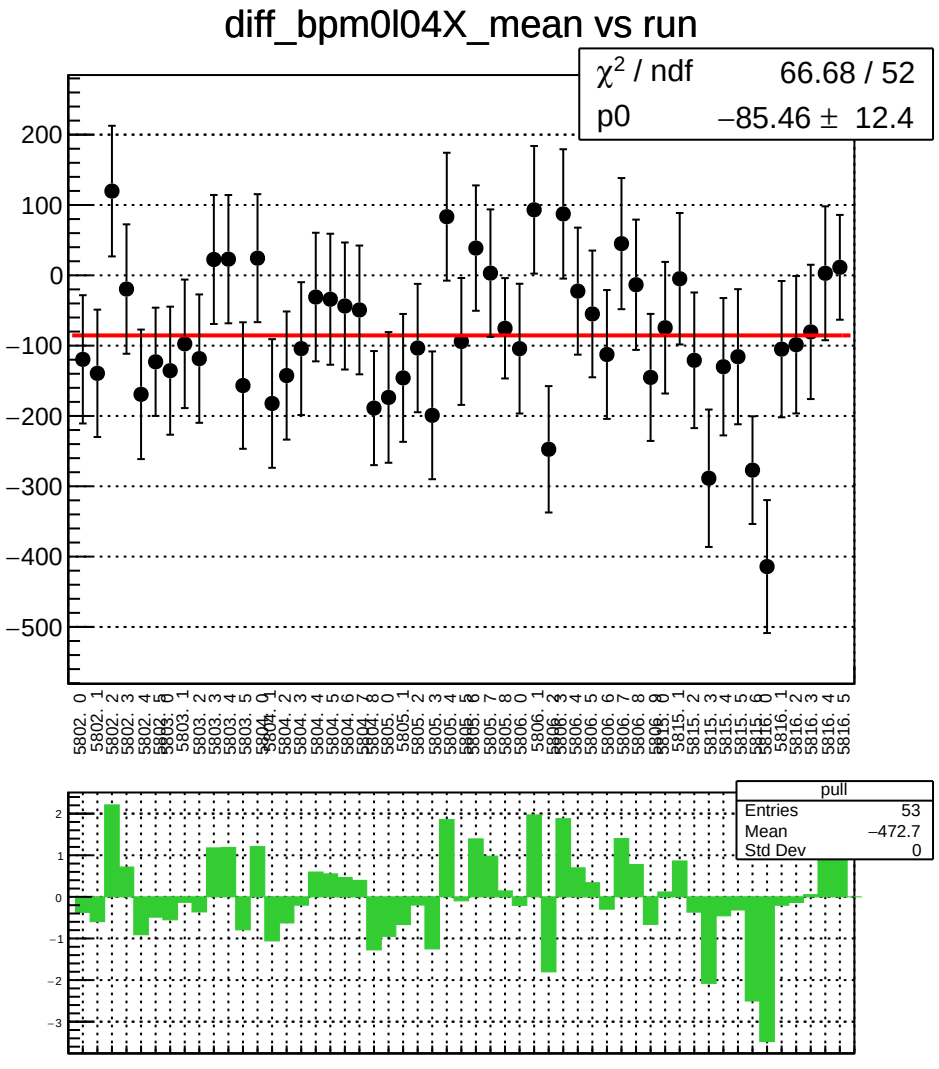

pull1D
Entries 53
Mean 0.02429
Std Dev 1.057

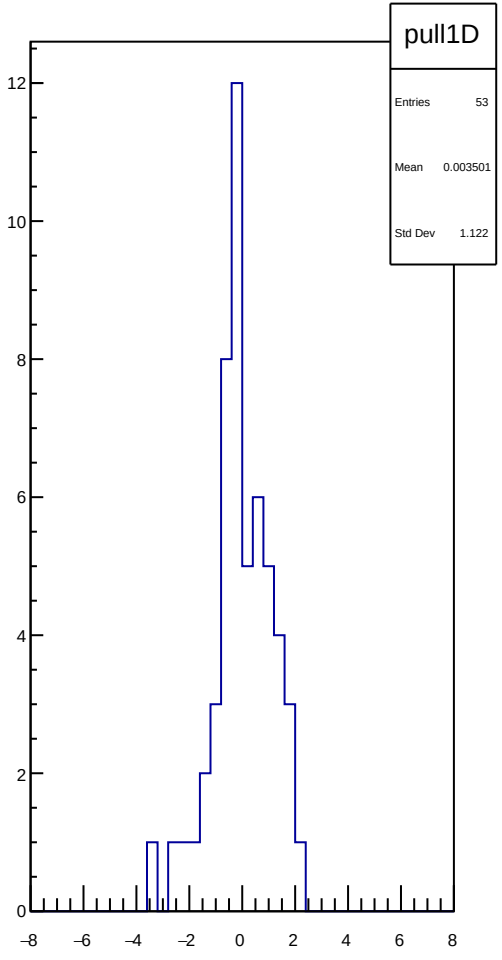

diff_bpm0l03X_rms vs run
χ² / ndf 1.441e+05 / 52
p0 2.219e+04 ± 23.96
45000
40000
35000
30000
25000
20000
15000
10000
5000

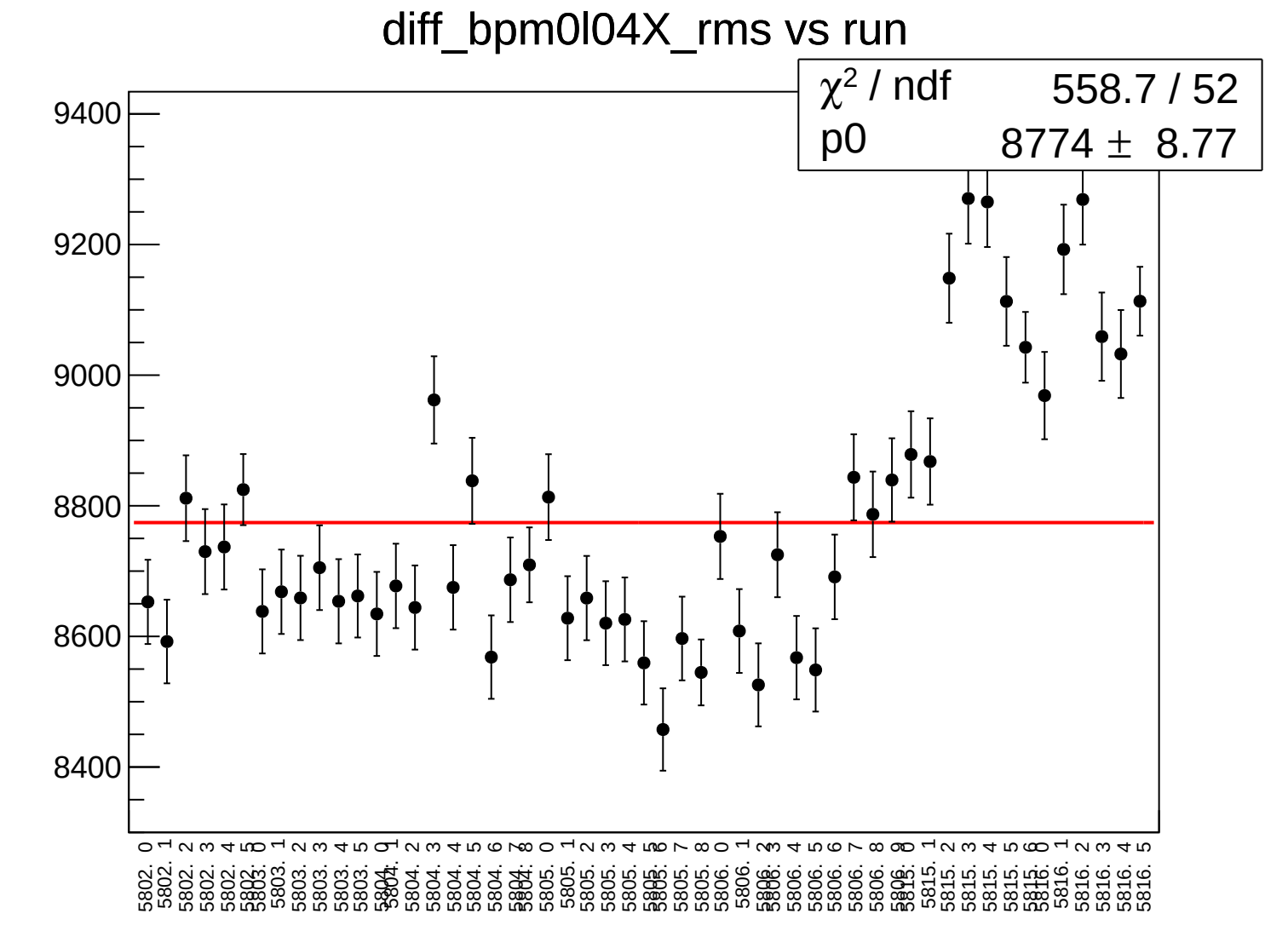

diff_bpm0l03Y_mean vs run
χ² / ndf 64.09 / 52
p0 −45.25 ± 32.47
pull
Entries 53
Mean 59.44
Std Dev 0

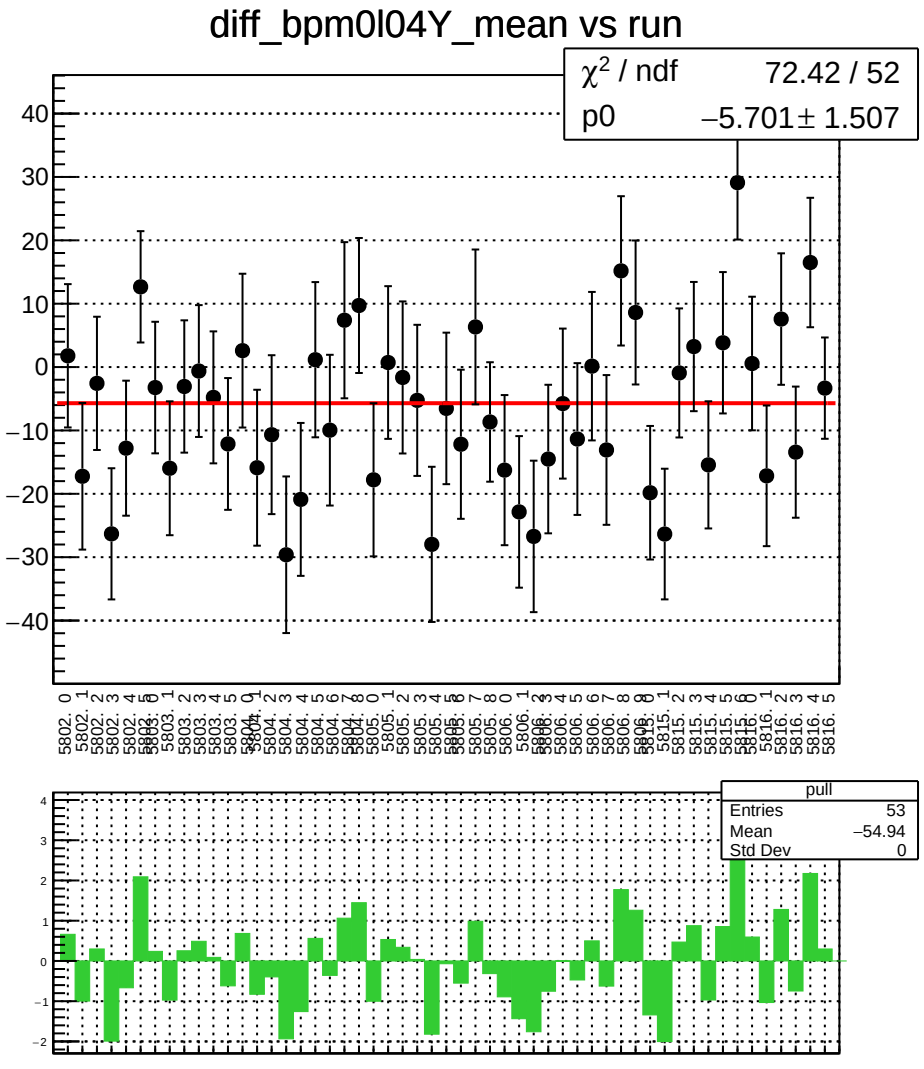

pull1D
Entries 53
Mean 0.05786
Std Dev 1.098

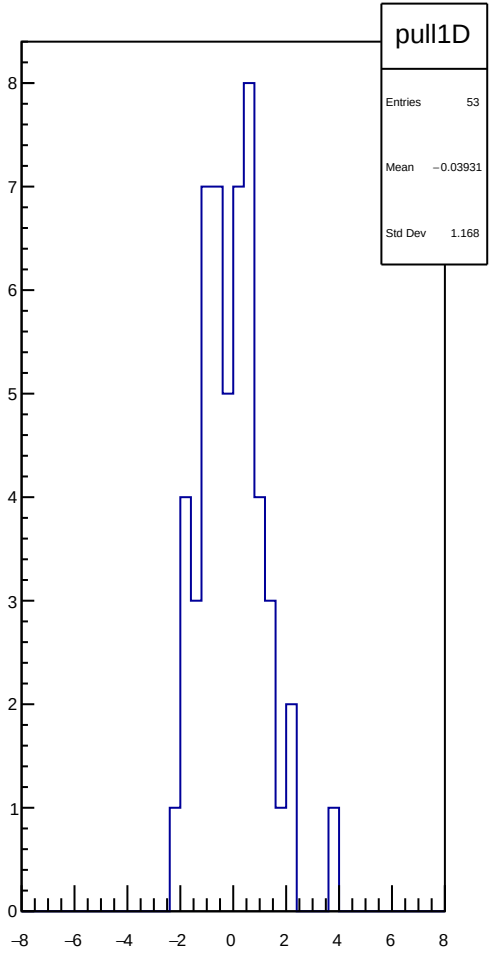

diff_bpm0l03Y_rms vs run
χ² / ndf 1.768e+05 / 52
p0 2.085e+04 ± 22.96
45000
40000
35000
30000
25000
20000
15000
10000
5000

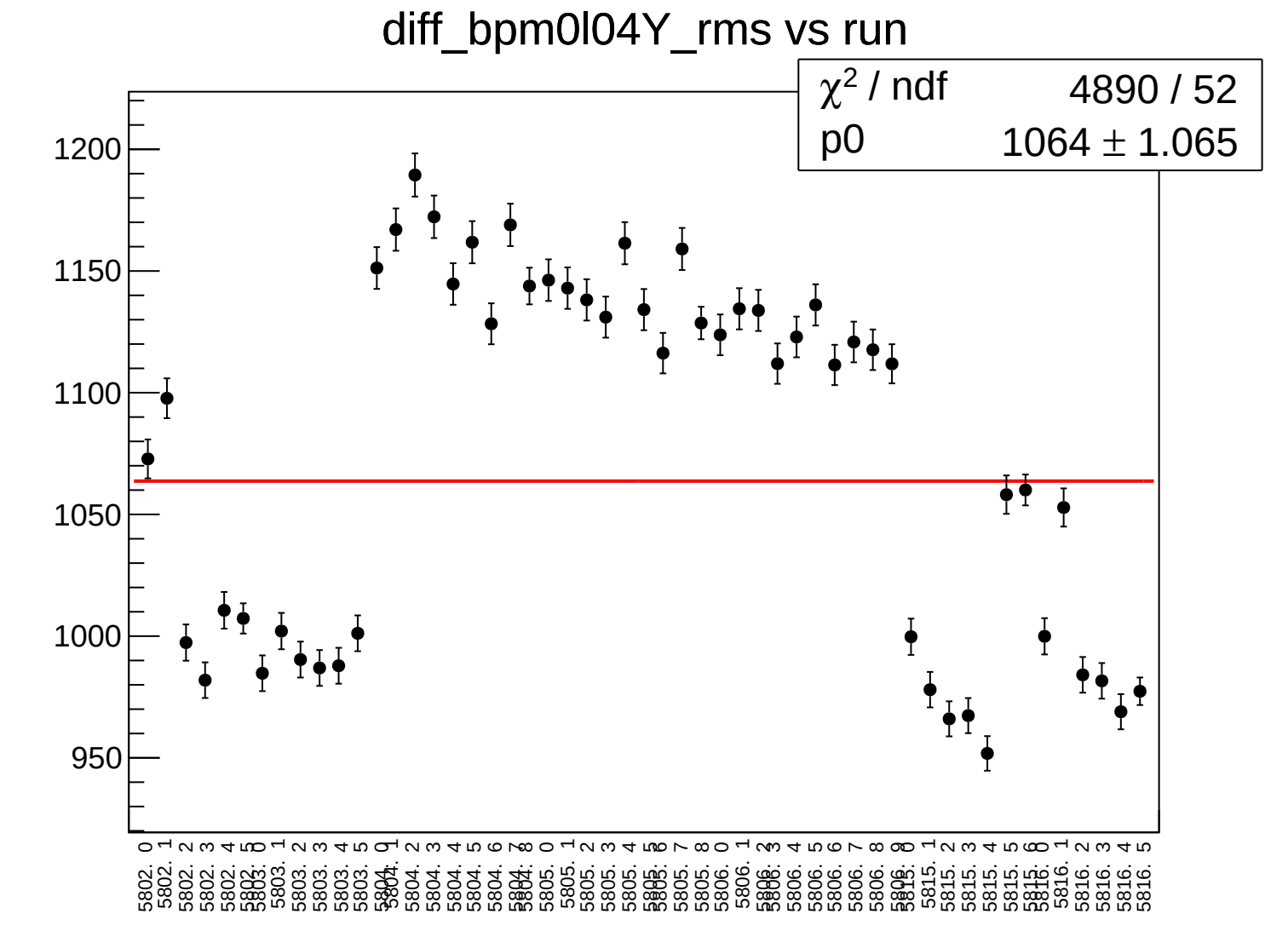

diff_bpm0l04X_mean vs run
χ² / ndf 66.68 / 52
p0 −85.46 ± 12.4
pull
Entries 53
Mean −472.7
Std Dev 0

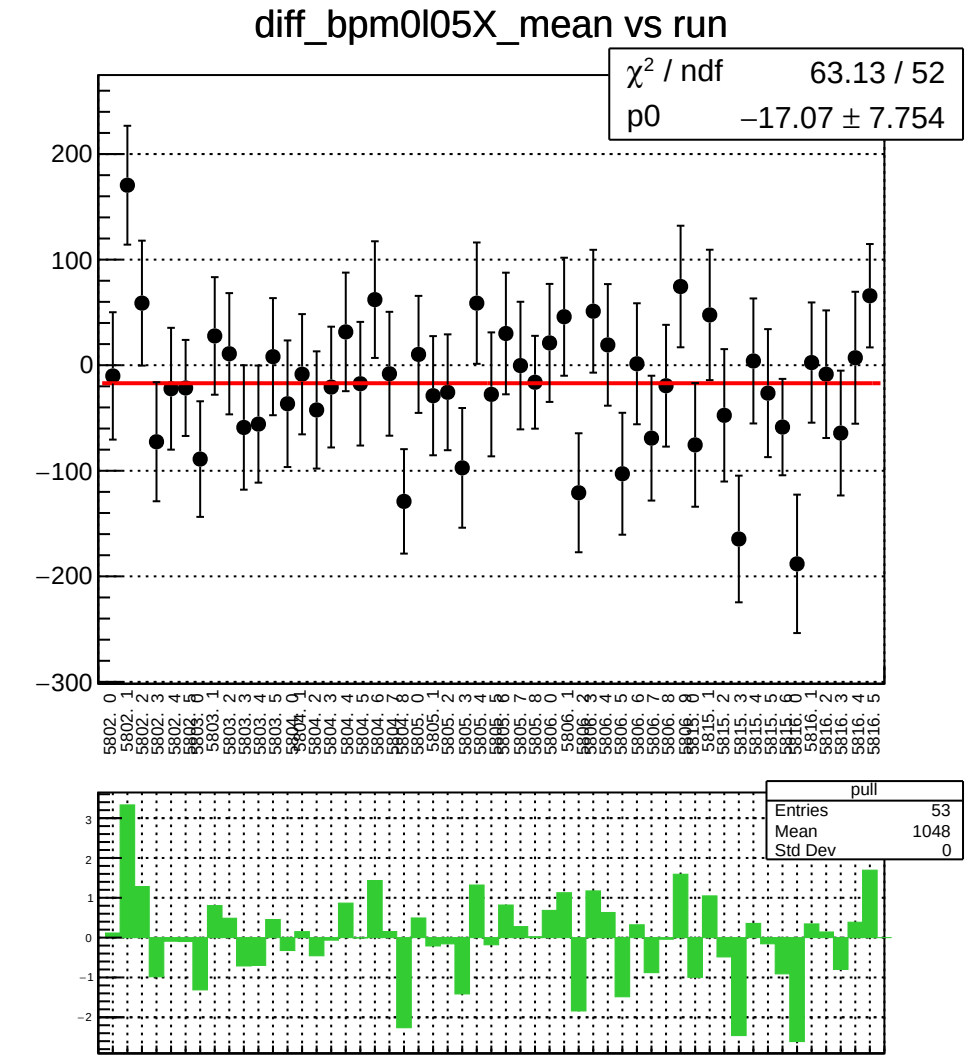

pull1D
Entries 53
Mean 0.003501
Std Dev 1.122

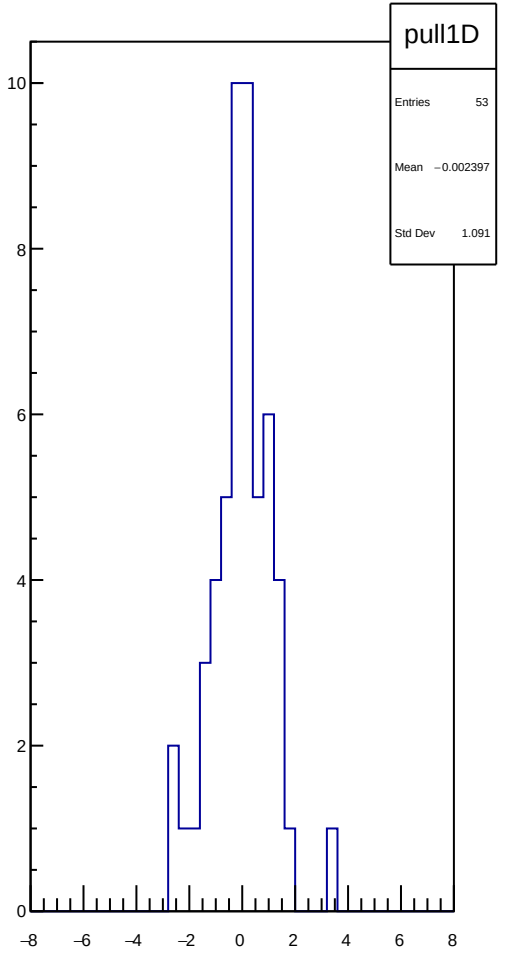

diff_bpm0l04X_rms vs run
χ² / ndf 558.7 / 52
p0 8774 ± 8.77
9400
9200
9000
8800
8600
8400
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

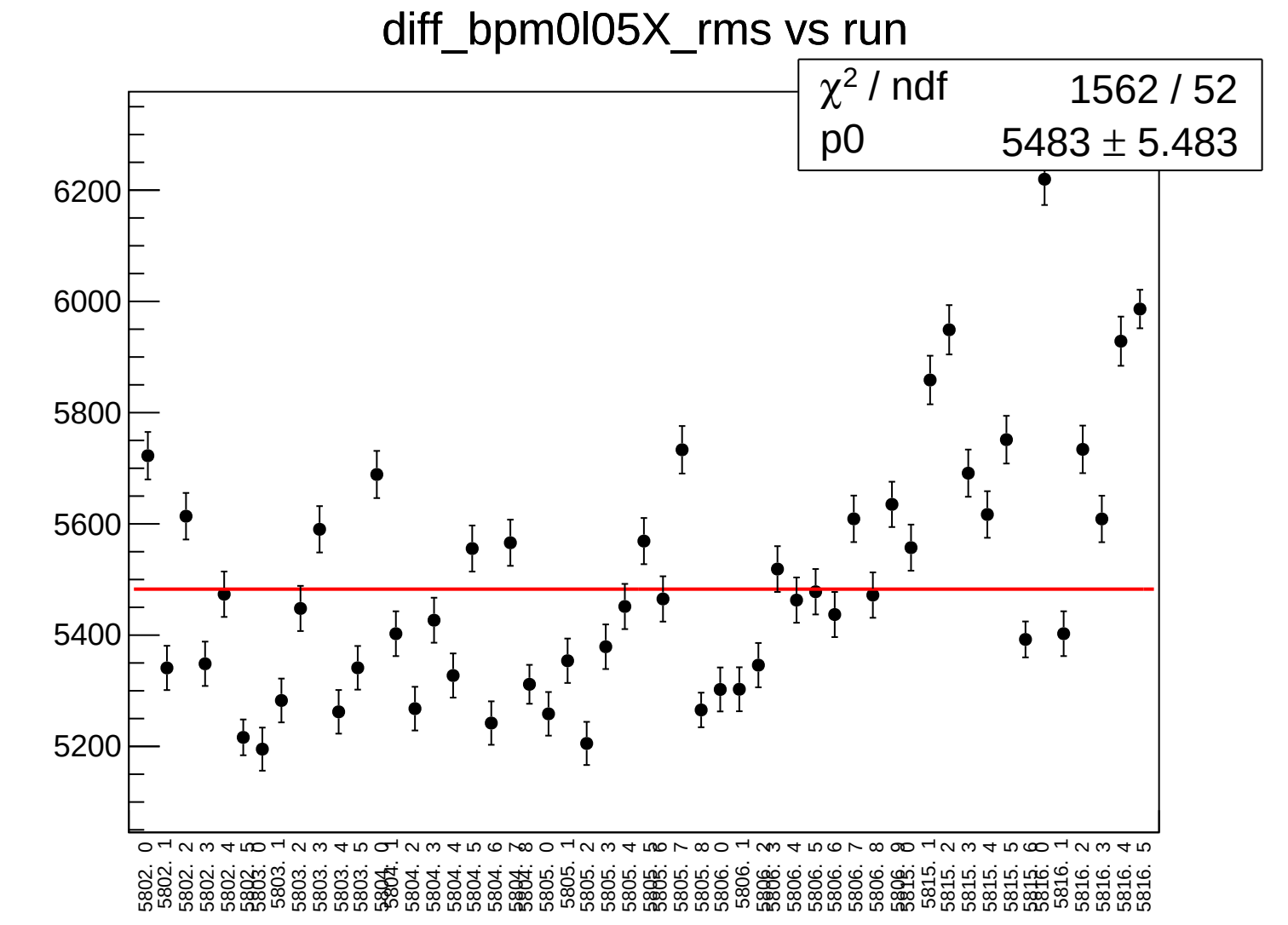

diff_bpm0l04Y_mean vs run
χ² / ndf 72.42 / 52
p0 −5.701 ± 1.507
pull
Entries 53
Mean −54.94
Std Dev 0

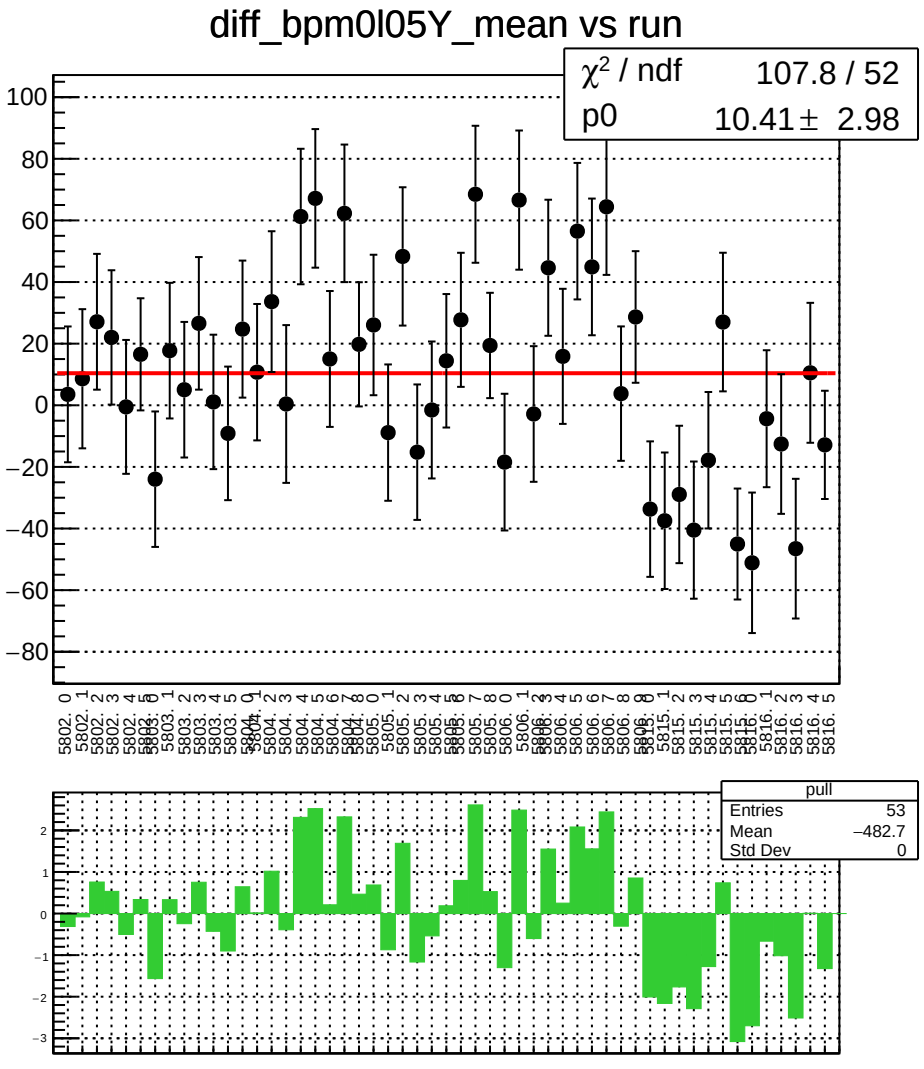

pull1D
Entries 53
Mean −0.03931
Std Dev 1.168

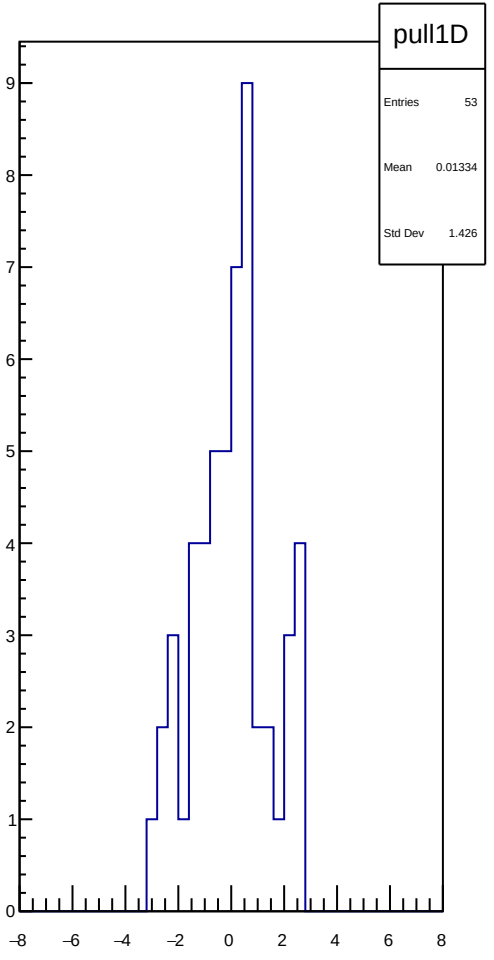

diff_bpm0l04Y_rms vs run
χ² / ndf 4890 / 52
p0 1064 ± 1.065
1200
1150
1100
1050
1000
950

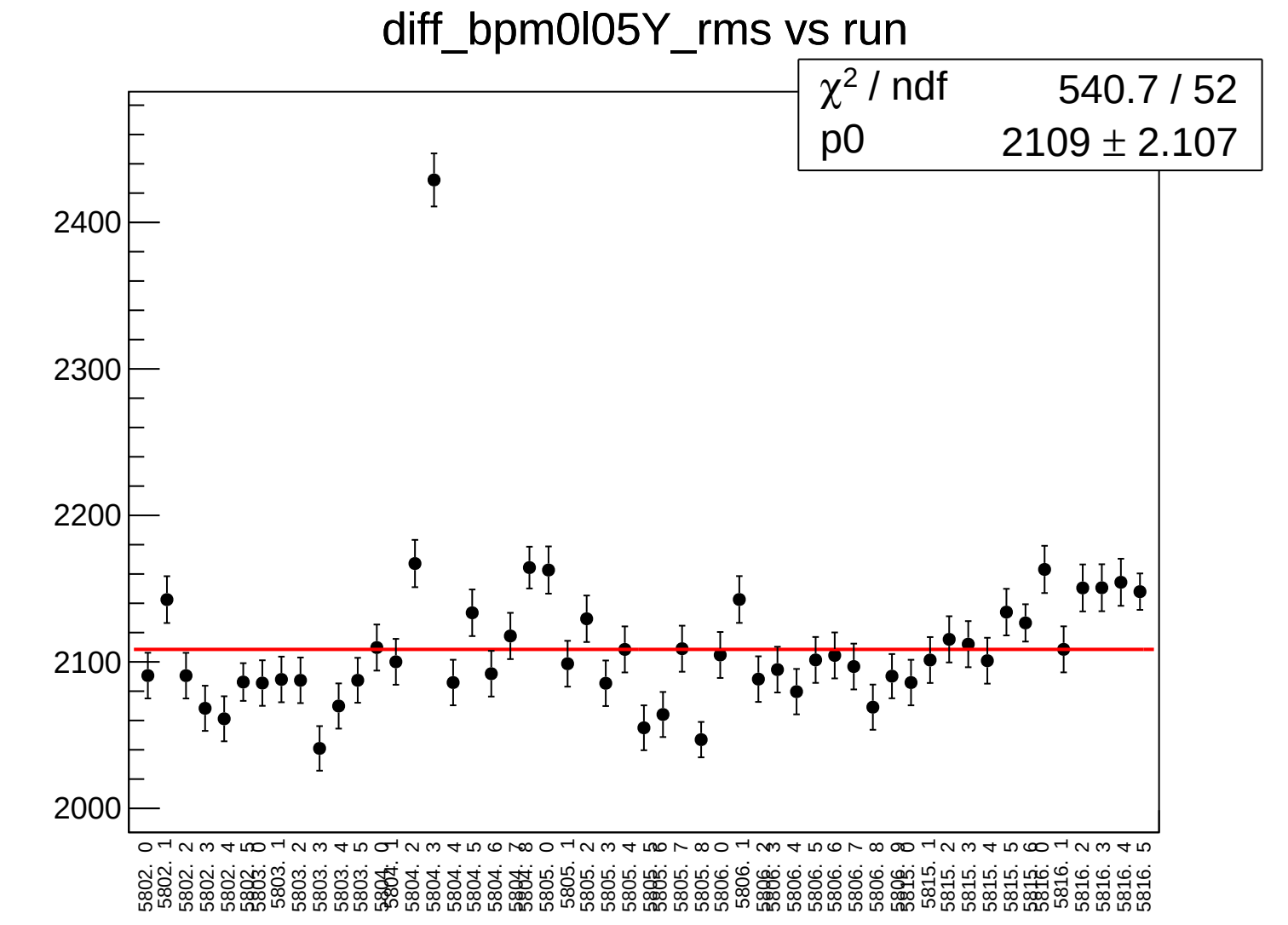

diff_bpm0l05X_mean vs run
χ² / ndf 63.13 / 52
p0 −17.07 ± 7.754
pull
Entries 53
Mean 1048
Std Dev 0

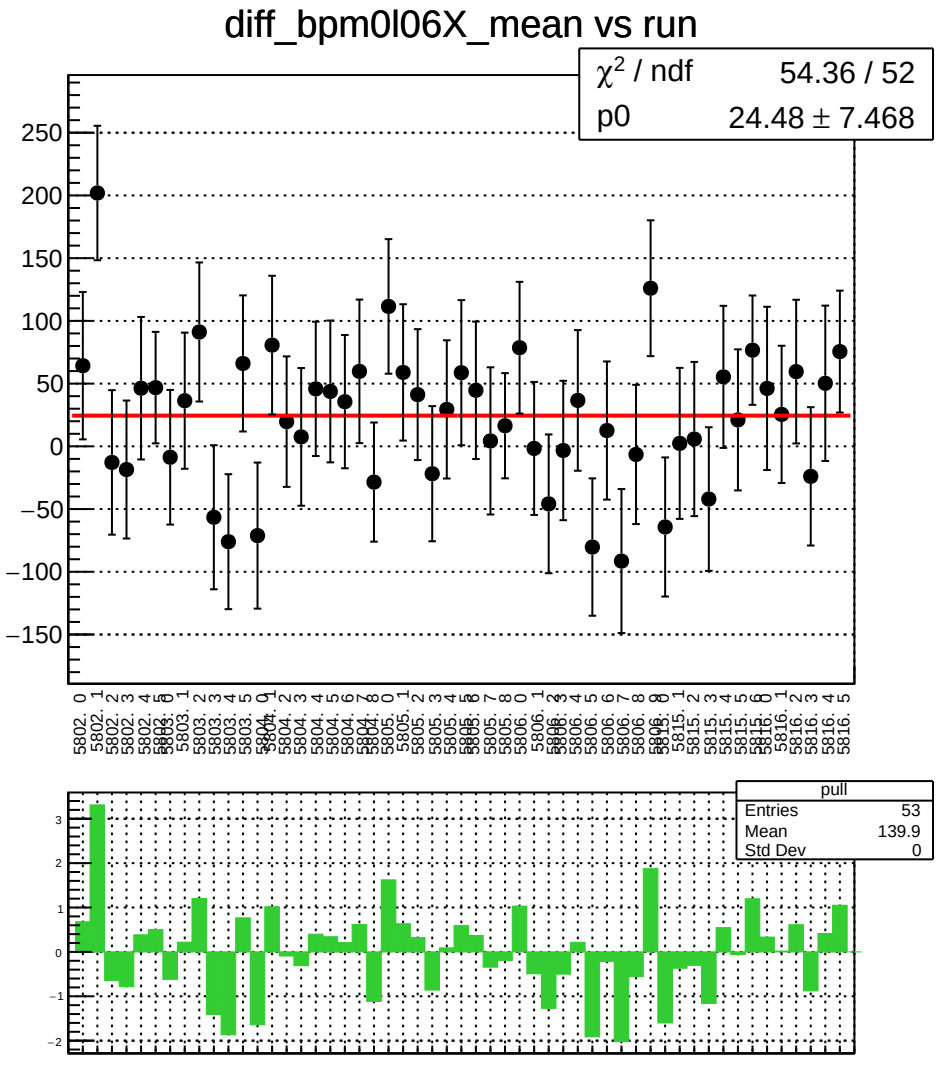

pull1D
Entries 53
Mean −0.002397
Std Dev 1.091

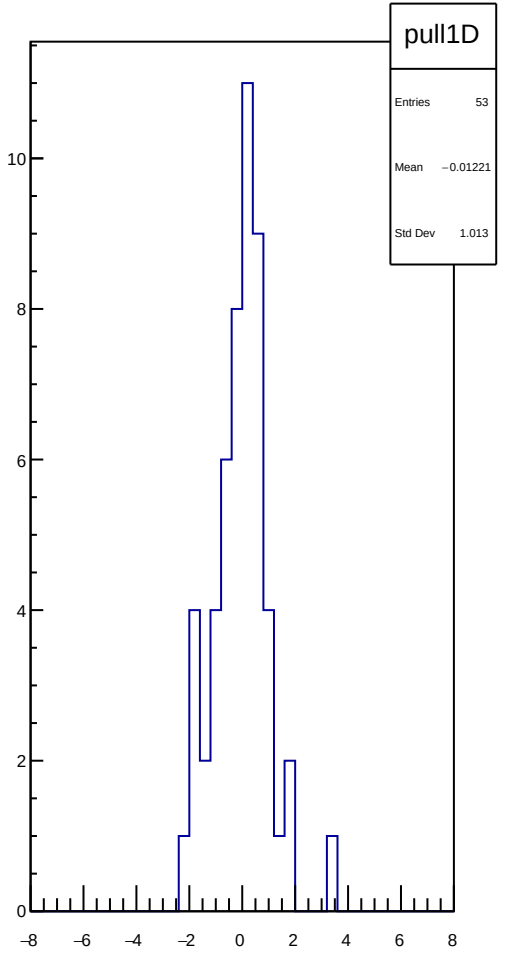

diff_bpm0l05X_rms vs run
χ² / ndf 1562 / 52
p0 5483 ± 5.483
6200
6000
5800
5600
5400
5200

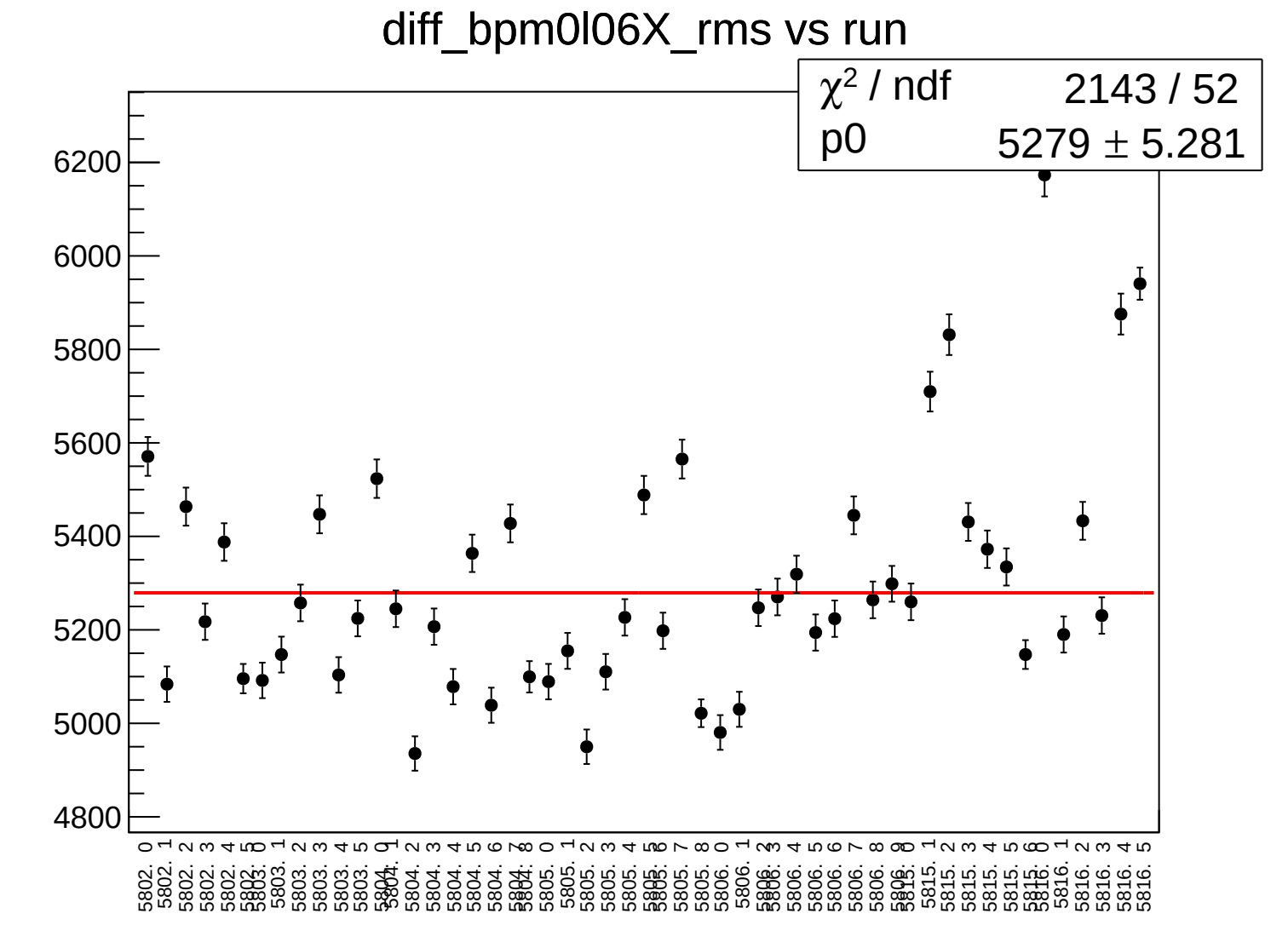

diff_bpm0l05Y_mean vs run
χ² / ndf 107.8 / 52
p0 10.41 ± 2.98
pull
Entries 53
Mean −482.7
Std Dev 0

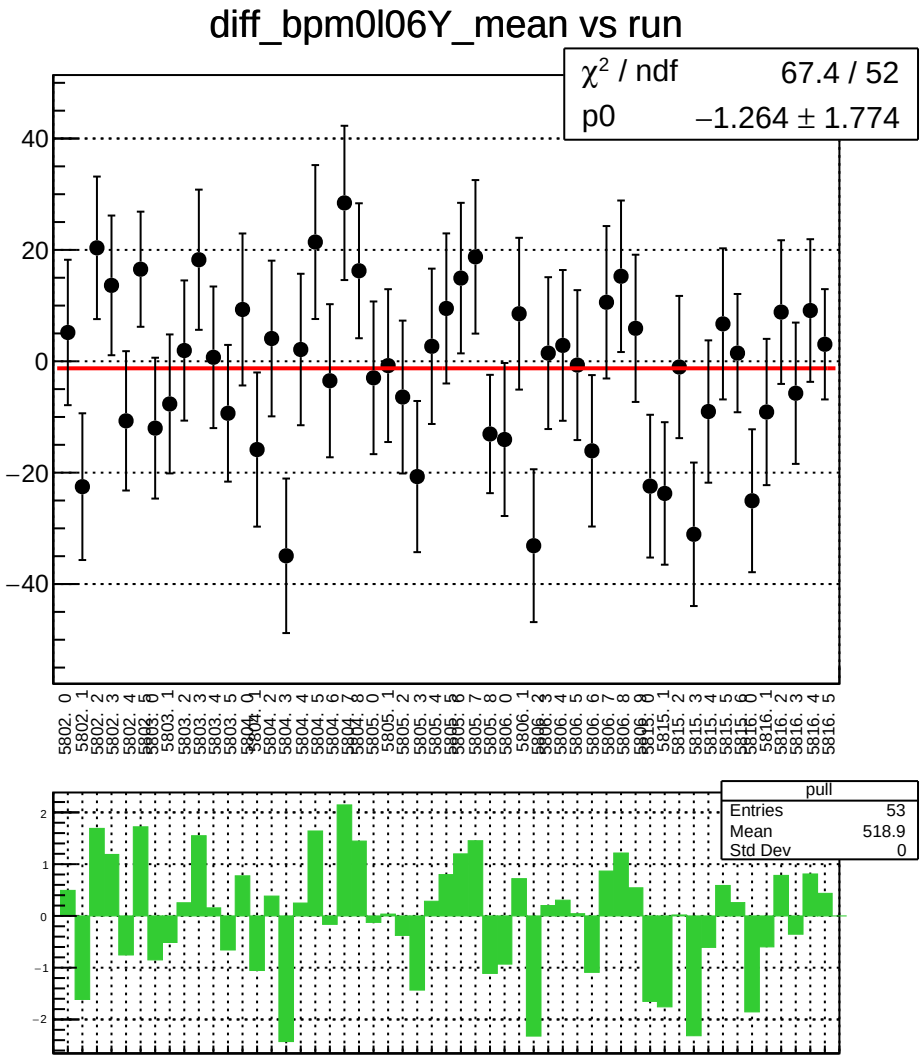

pull1D
Entries 53
Mean 0.01334
Std Dev 1.426

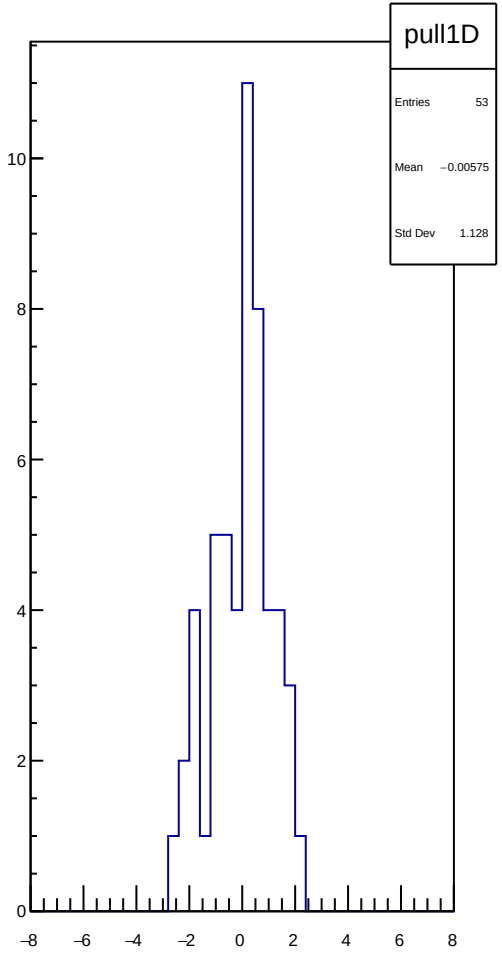

diff_bpm0l05Y_rms vs run
χ² / ndf 540.7 / 52
p0 2109 ± 2.107
2400
2300
2200
2100
2000

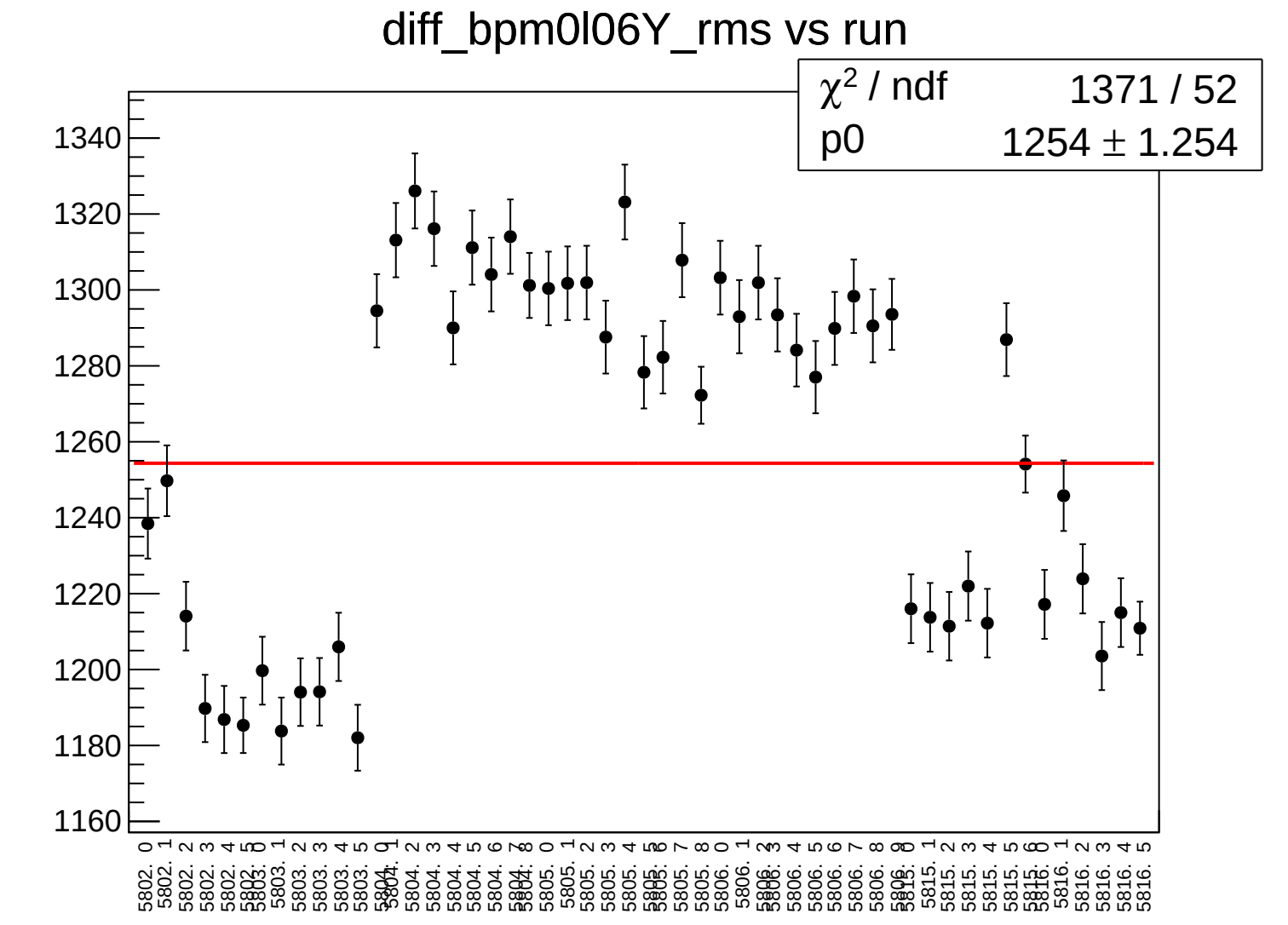

diff_bpm0l06X_mean vs run
χ² / ndf 54.36 / 52
p0 24.48 ± 7.468
pull
Entries 53
Mean 139.9
Std Dev 0

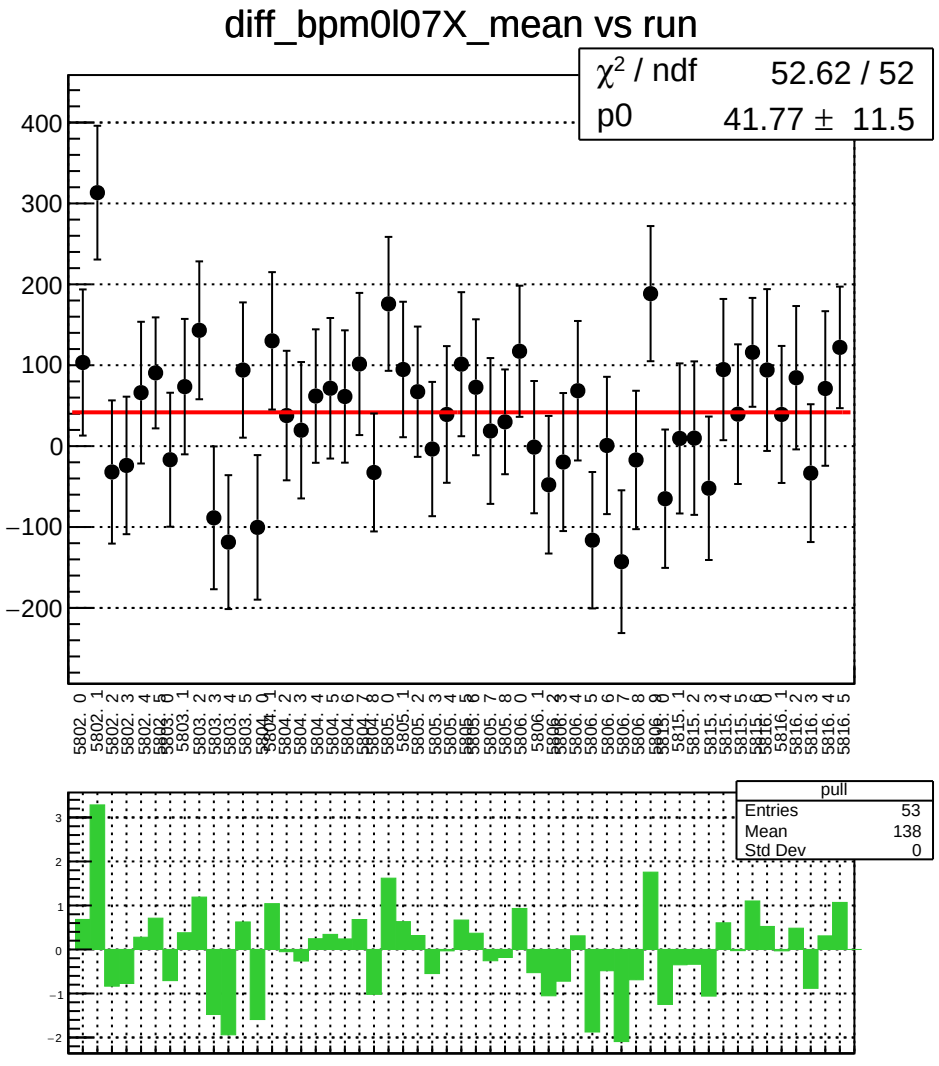

pull1D
Entries 53
Mean −0.01221
Std Dev 1.013

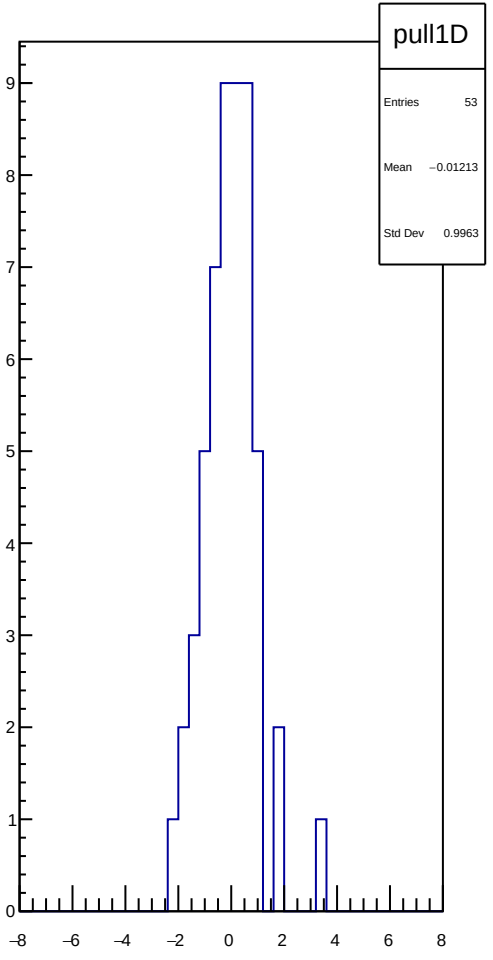

diff_bpm0l06X_rms vs run
χ² / ndf 2143 / 52
p0 5279 ± 5.281
6200
6000
5800
5600
5400
5200
5000
4800

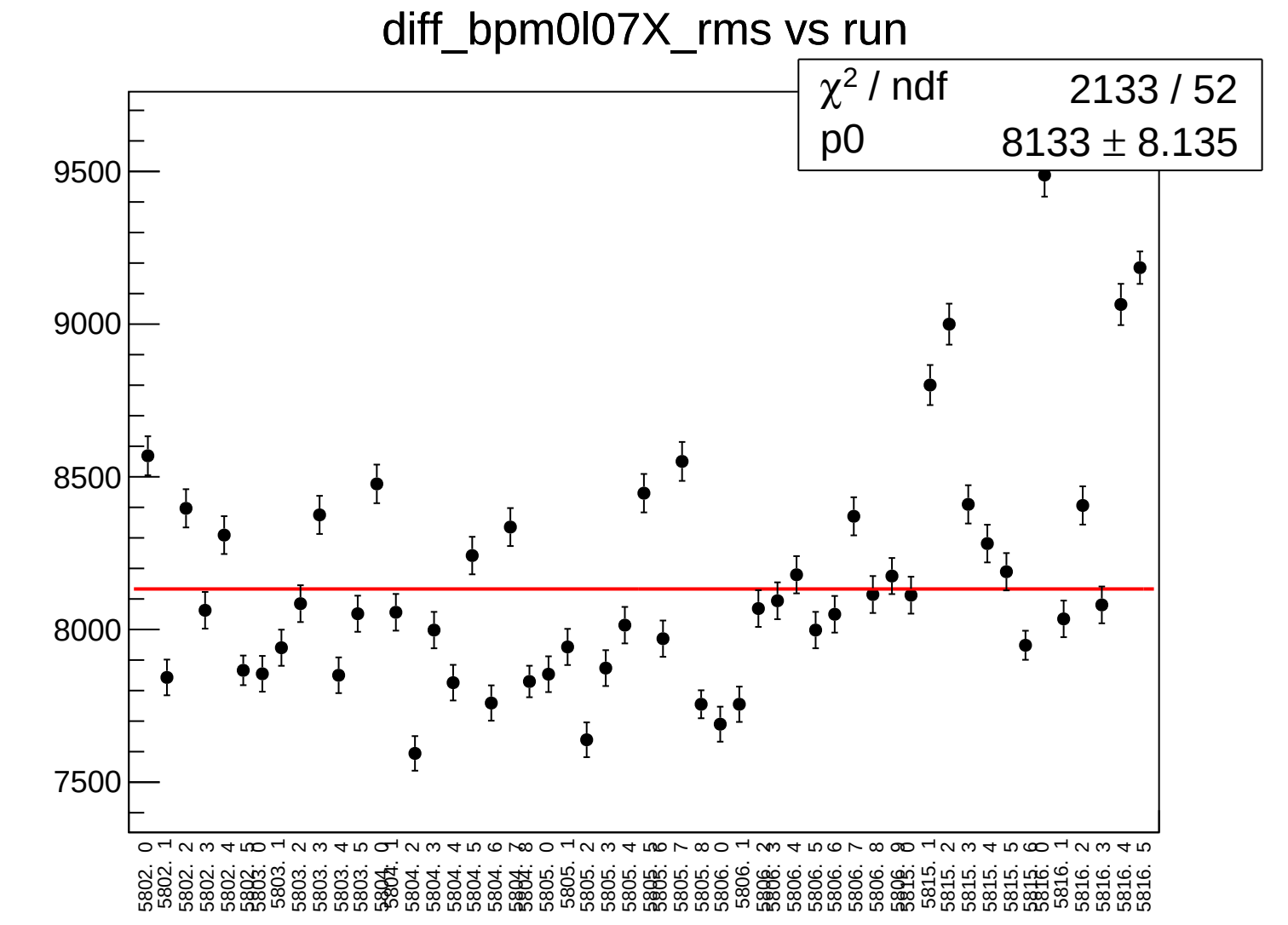

diff_bpm0l06Y_mean vs run
χ² / ndf 67.4 / 52
p0 −1.264 ± 1.774
40
20
0
−20
−40
pull
Entries 53
Mean 518.9
Std Dev 0
2
1
0
−1
−2

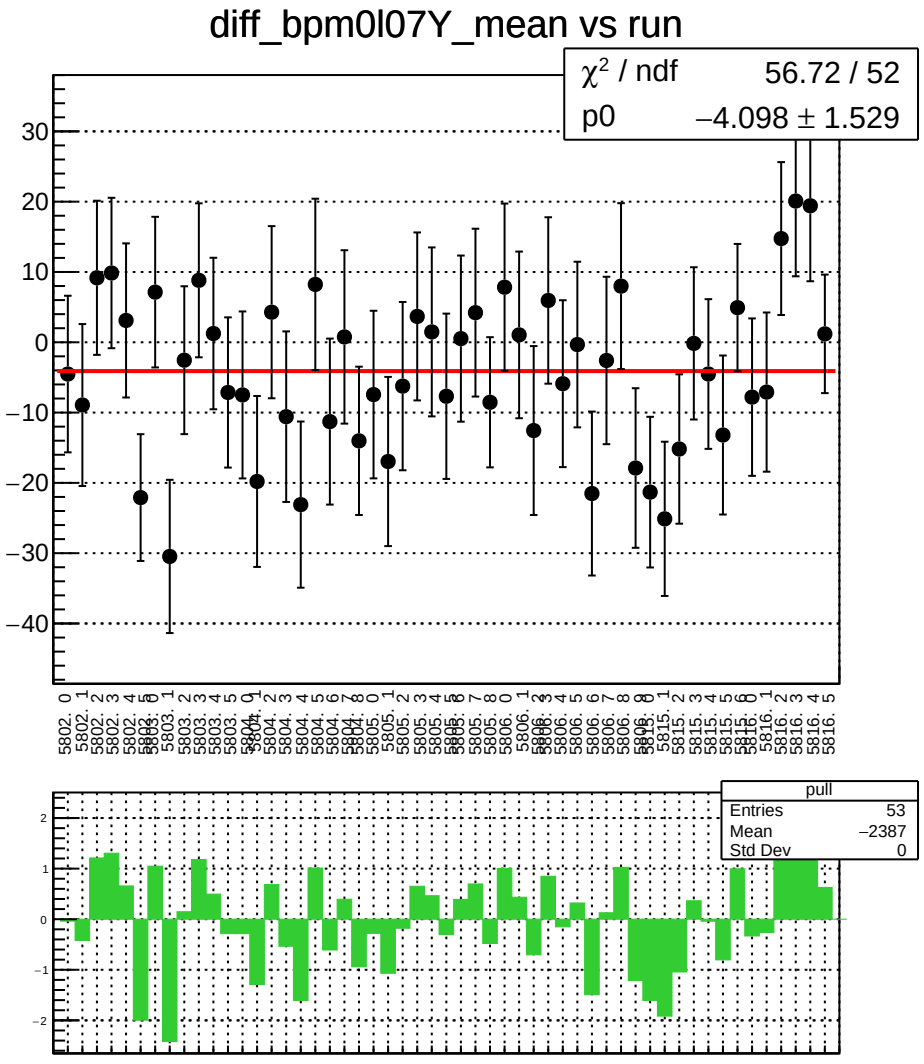

pull1D
Entries 53
Mean −0.00575
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

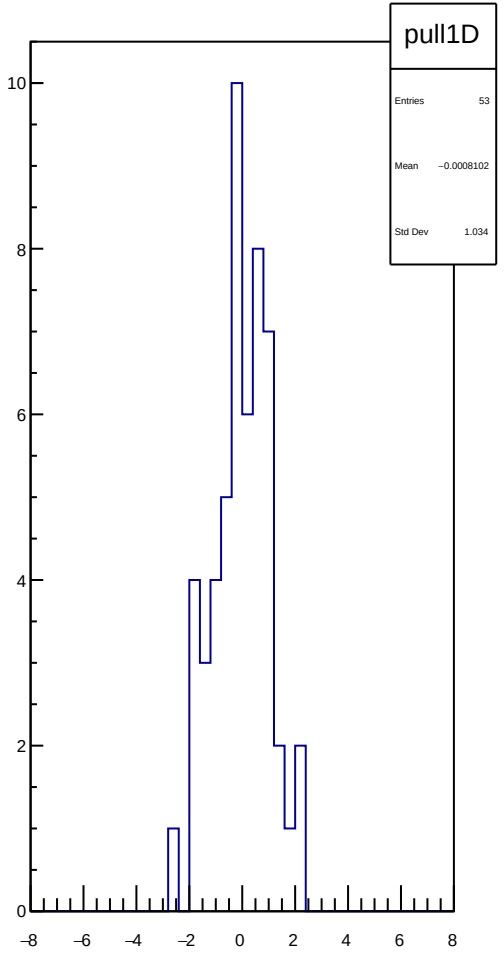

diff_bpm0l06Y_rms vs run
χ² / ndf 1371 / 52
p0 1254 ± 1.254
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160

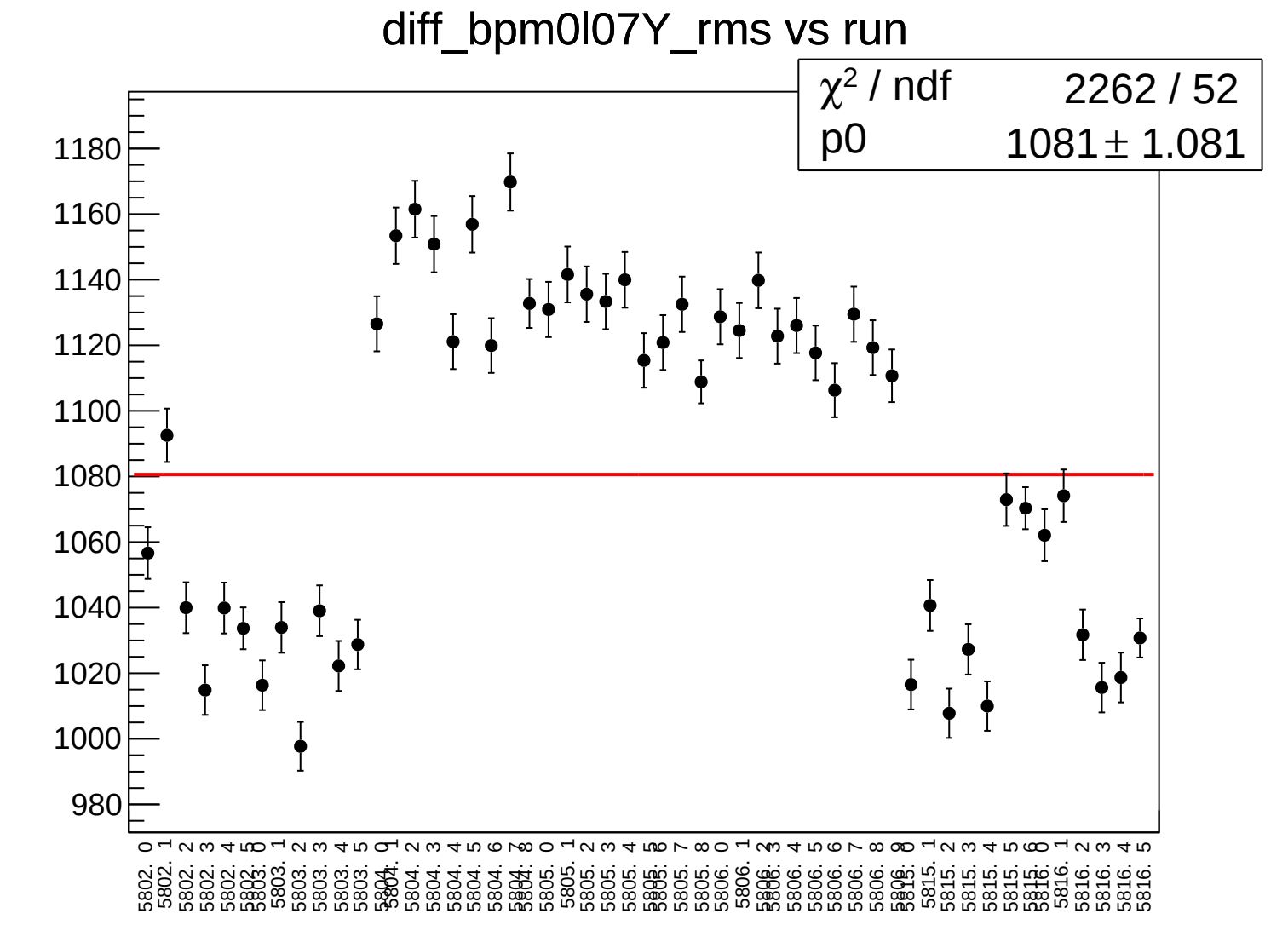

diff_bpm0l07X_mean vs run
χ² / ndf 52.62 / 52
p0 41.77 ± 11.5
pull
Entries 53
Mean 138
Std Dev 0

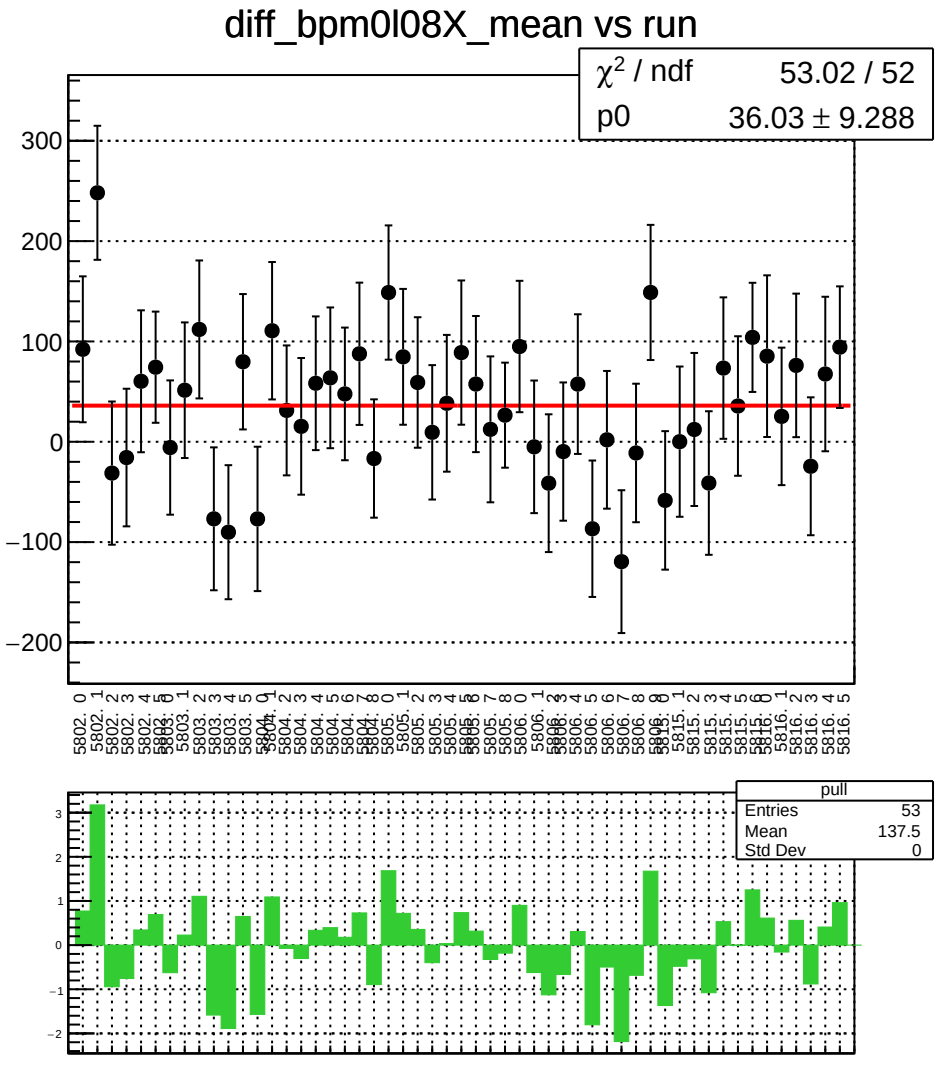

pull1D
Entries 53
Mean −0.01213
Std Dev 0.9963

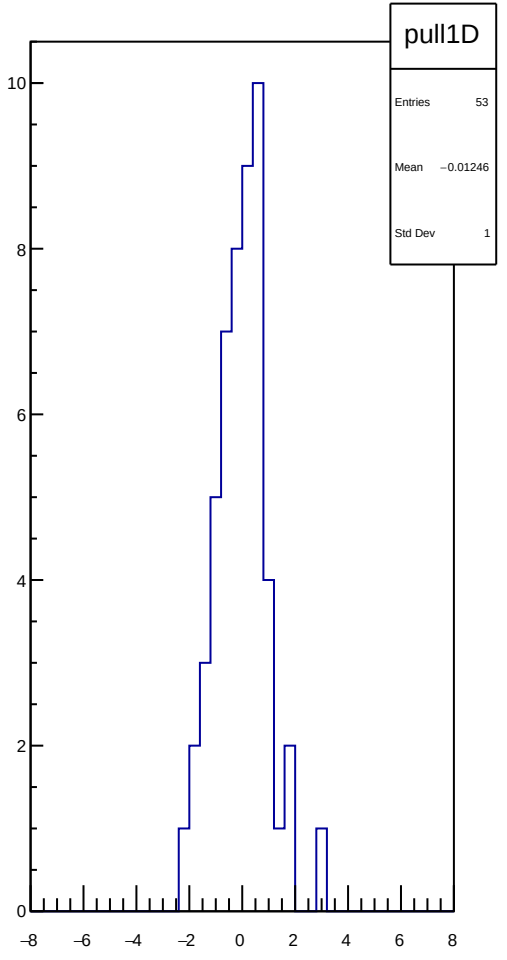

diff_bpm0l07X_rms vs run
χ² / ndf 2133 / 52
p0 8133 ± 8.135
9500
9000
8500
8000
7500

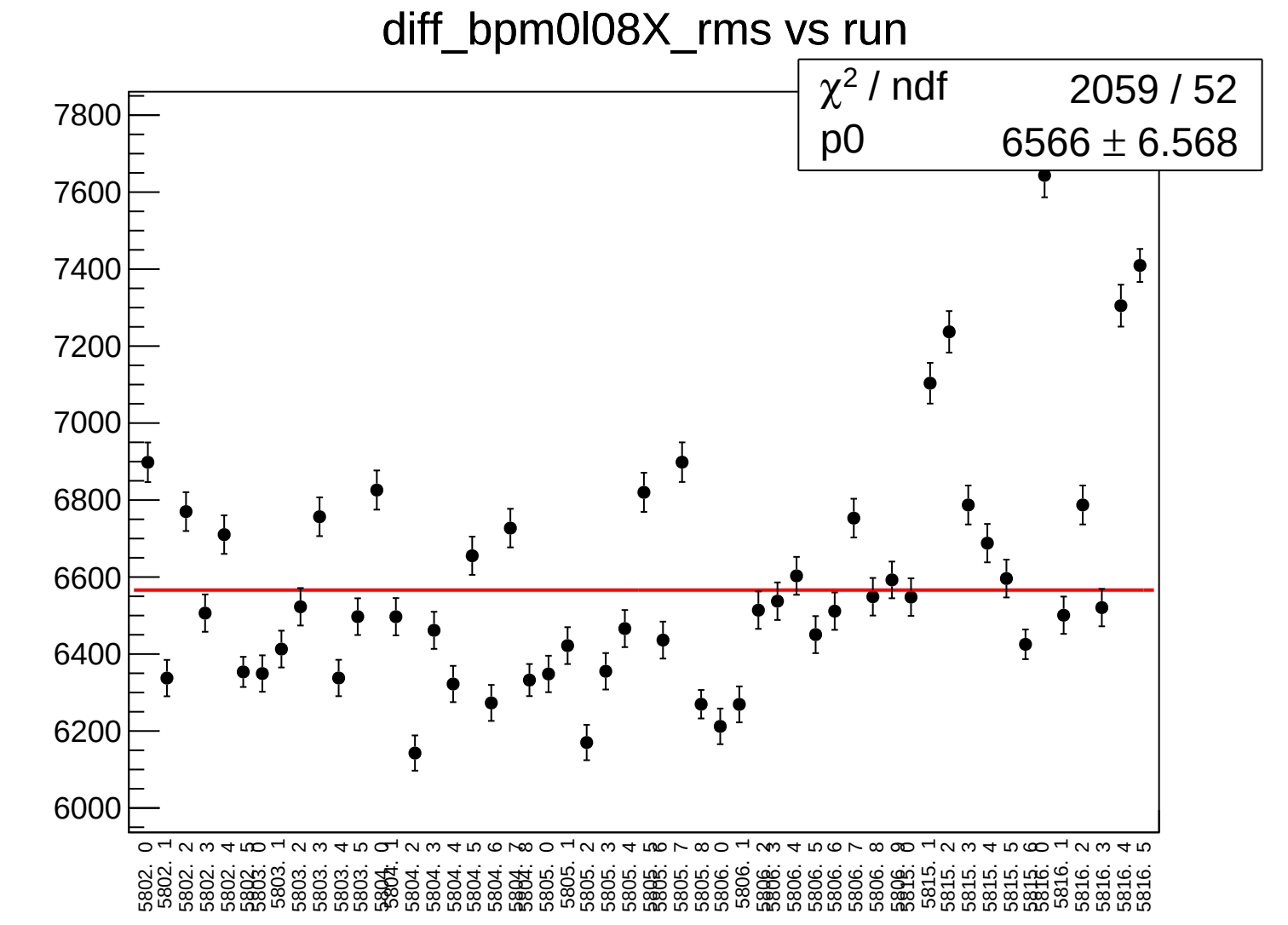

diff_bpm0l07Y_mean vs run
χ² / ndf 56.72 / 52
p0 −4.098 ± 1.529
pull
Entries 53
Mean −2387
Std Dev 0

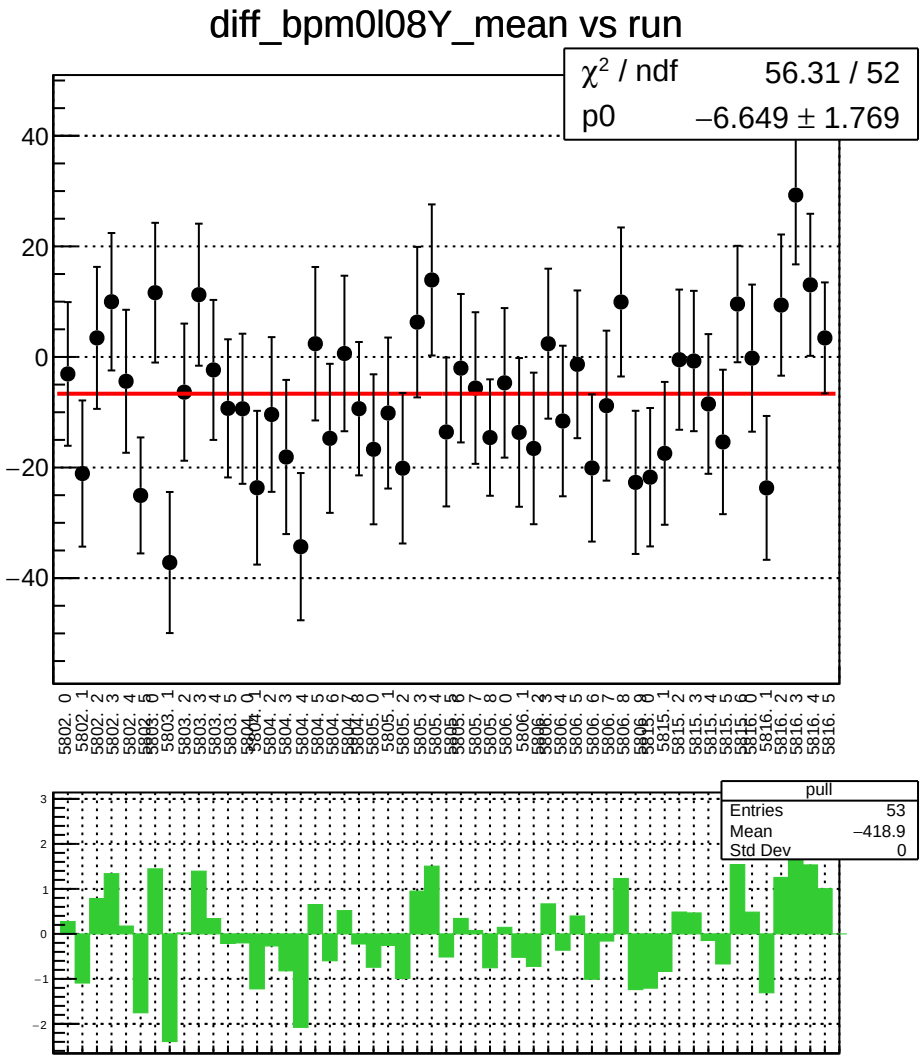

pull1D
Entries 53
Mean −0.0008102
Std Dev 1.034

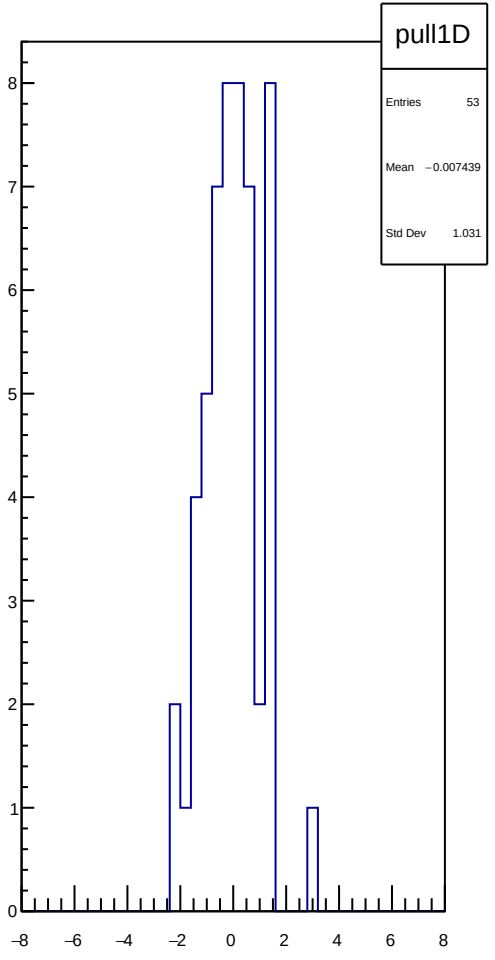

diff_bpm0l07Y_rms vs run
χ² / ndf 2262 / 52
p0 1081 ± 1.081
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

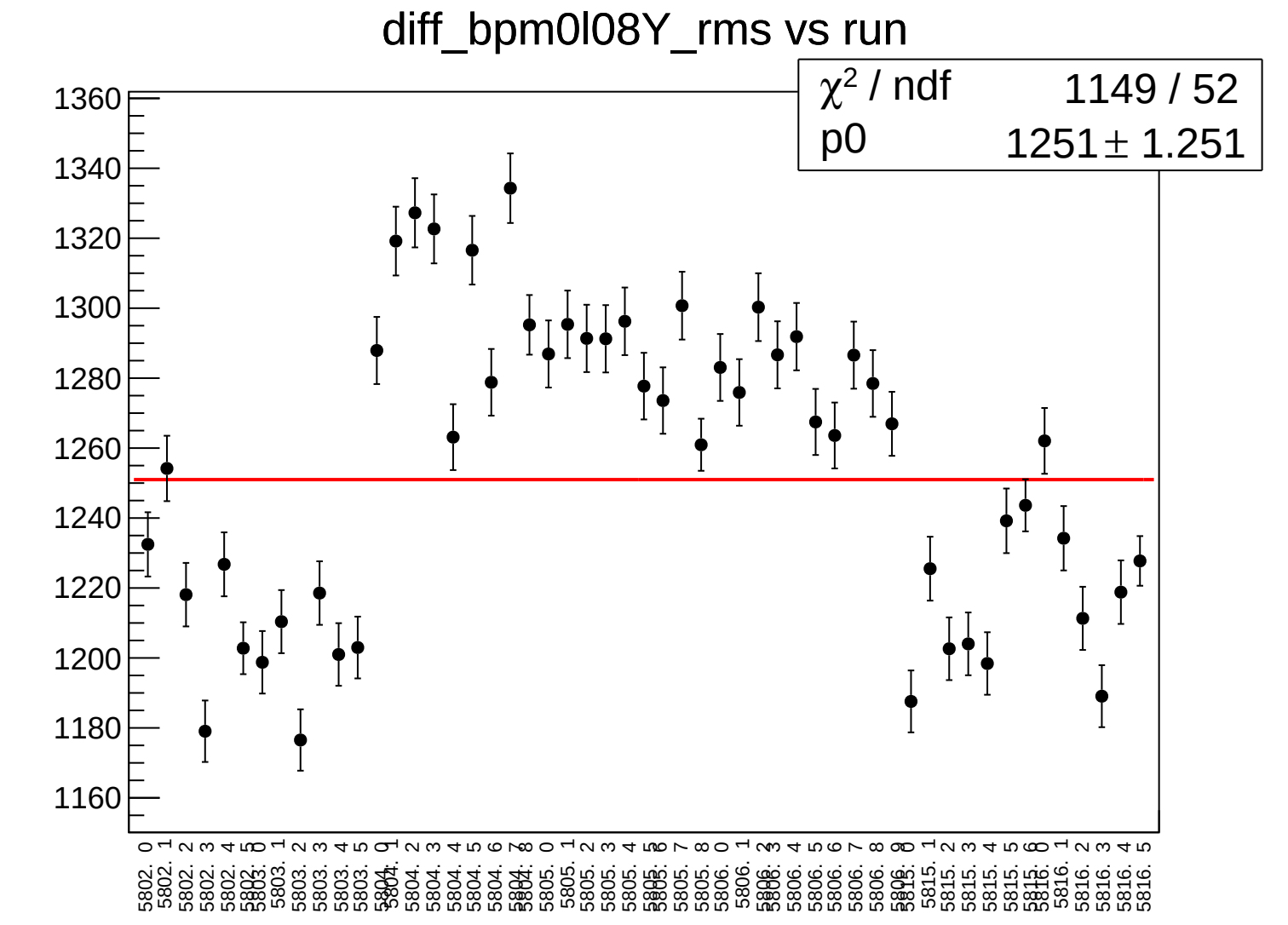

diff_bpm0l08X_mean vs run
χ² / ndf 53.02 / 52
p0 36.03 ± 9.288
300
200
100
0
−100
−200
pull
Entries 53
Mean 137.5
Std Dev 0
3
2
1
0
−1
−2

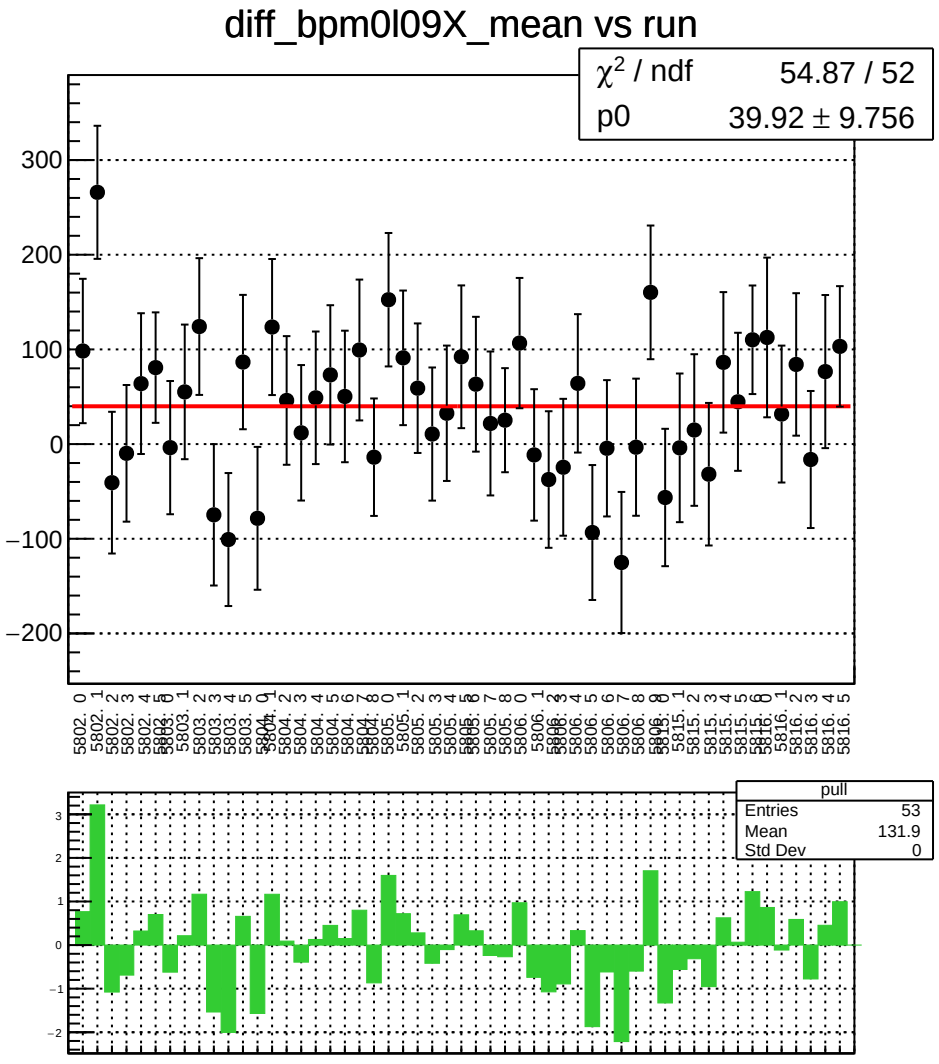

pull1D
Entries 53
Mean −0.01246
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

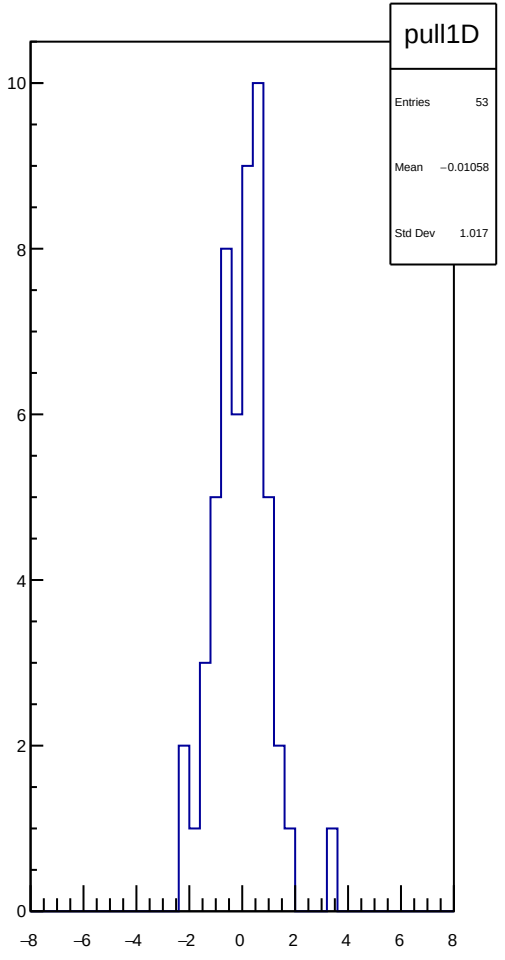

diff_bpm0l08X_rms vs run
χ² / ndf 2059 / 52
p0 6566 ± 6.568
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

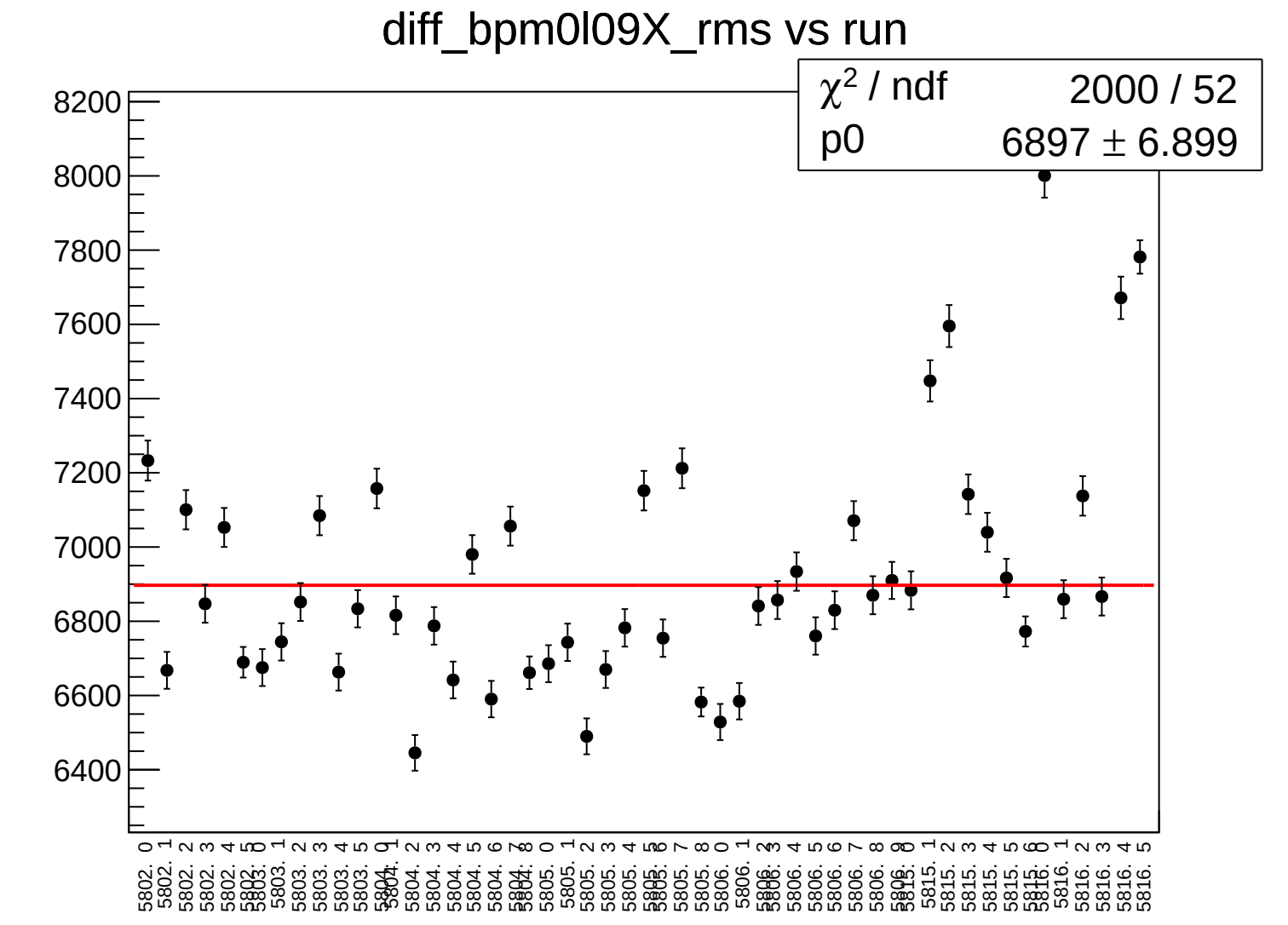

diff_bpm0l08Y_mean vs run
χ² / ndf 56.31 / 52
p0 −6.649 ± 1.769
pull
Entries 53
Mean −418.9
Std Dev 0

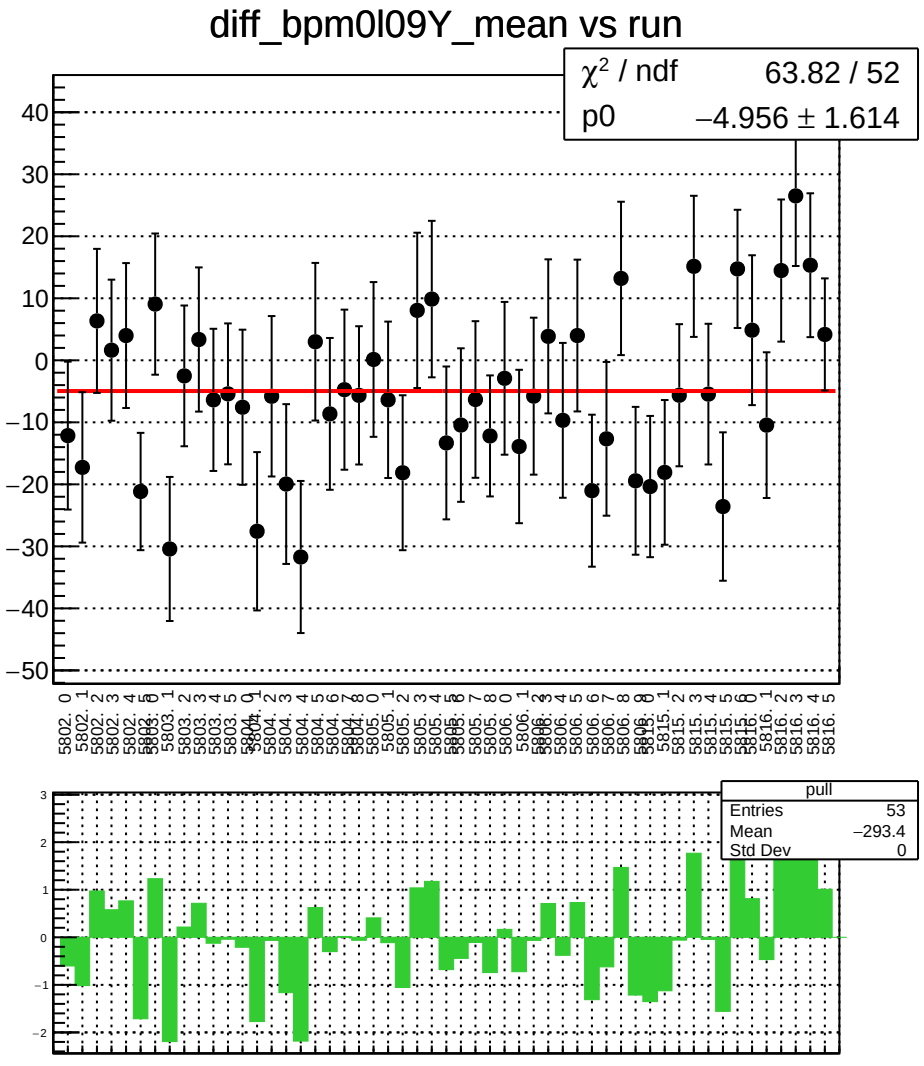

pull1D
Entries 53
Mean −0.007439
Std Dev 1.031

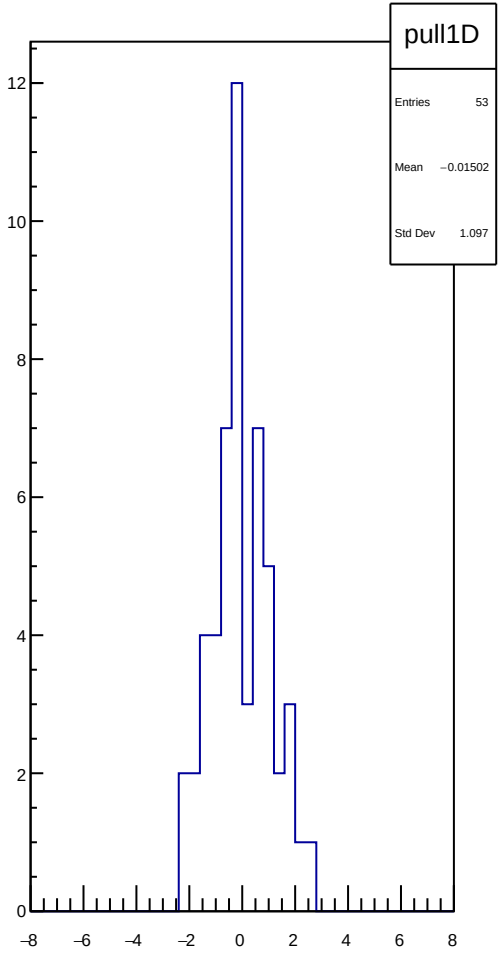

diff_bpm0l08Y_rms vs run
χ² / ndf 1149 / 52
p0 1251 ± 1.251
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160

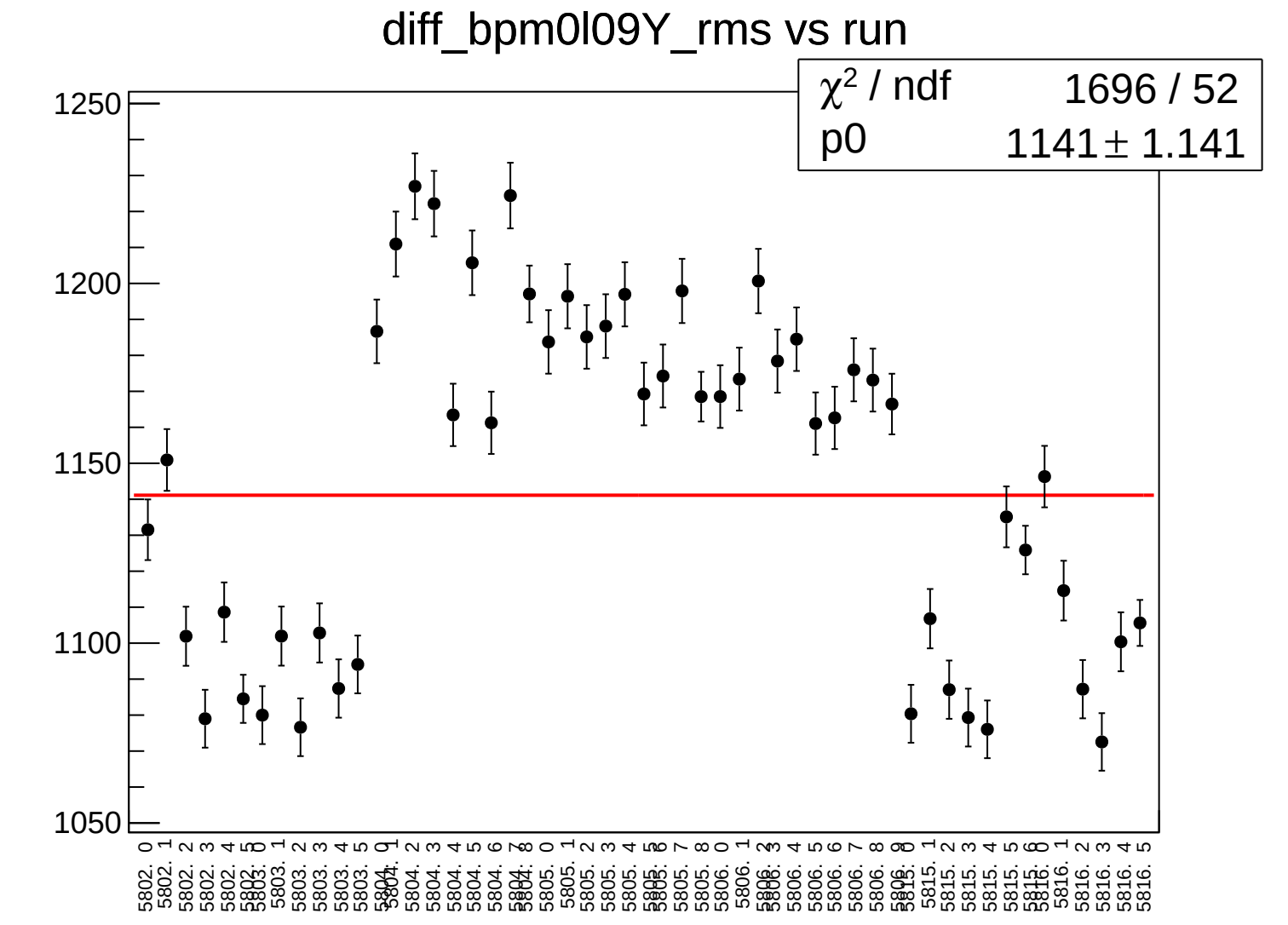

diff_bpm0l09X_mean vs run
χ² / ndf 54.87 / 52
p0 39.92 ± 9.756
pull
Entries 53
Mean 131.9
Std Dev 0

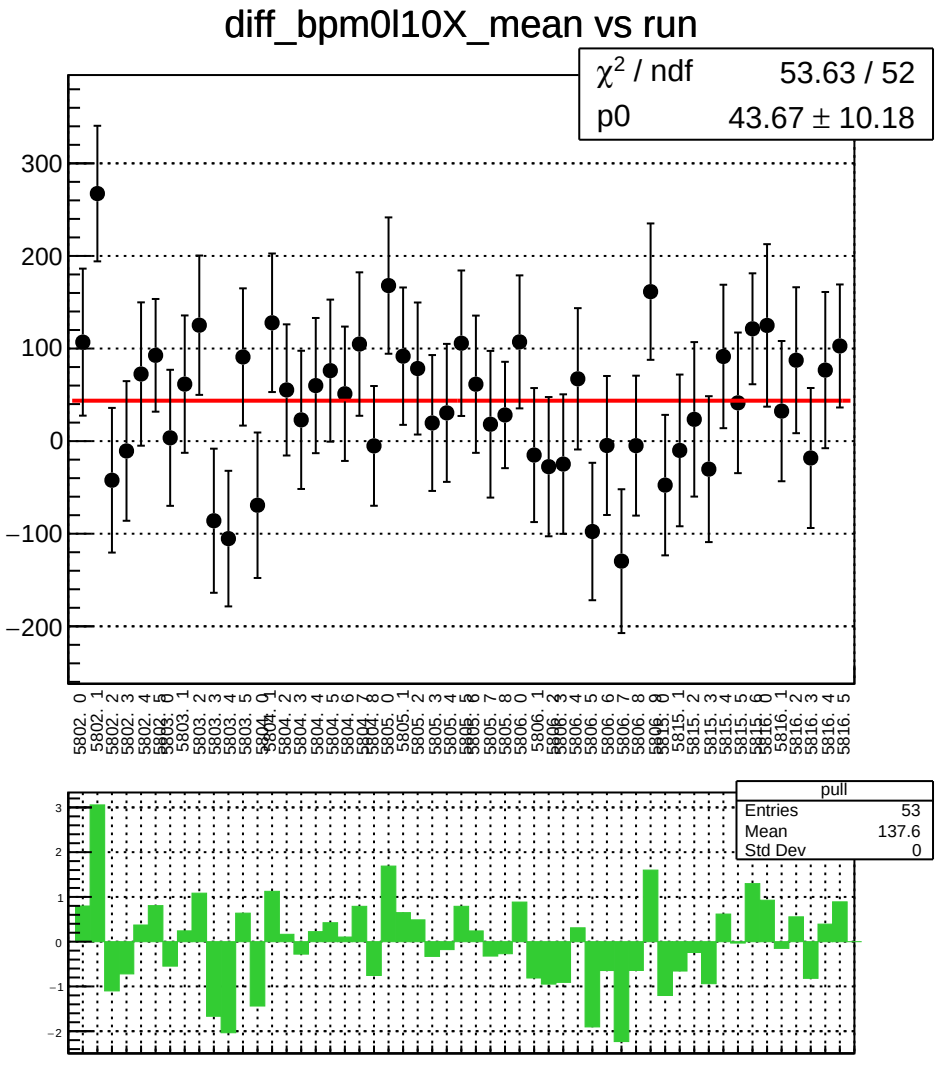

pull1D
Entries 53
Mean −0.01058
Std Dev 1.017

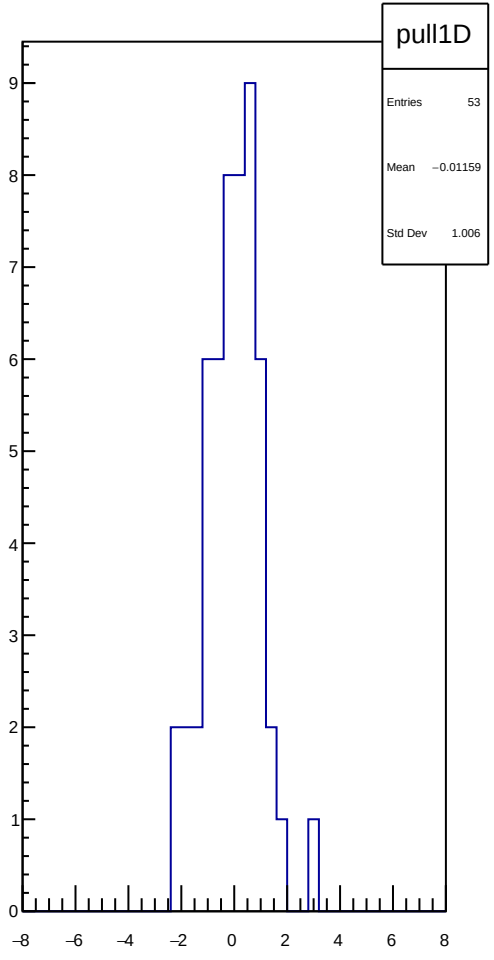

diff_bpm0l09X_rms vs run
χ² / ndf 2000 / 52
p0 6897 ± 6.899
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

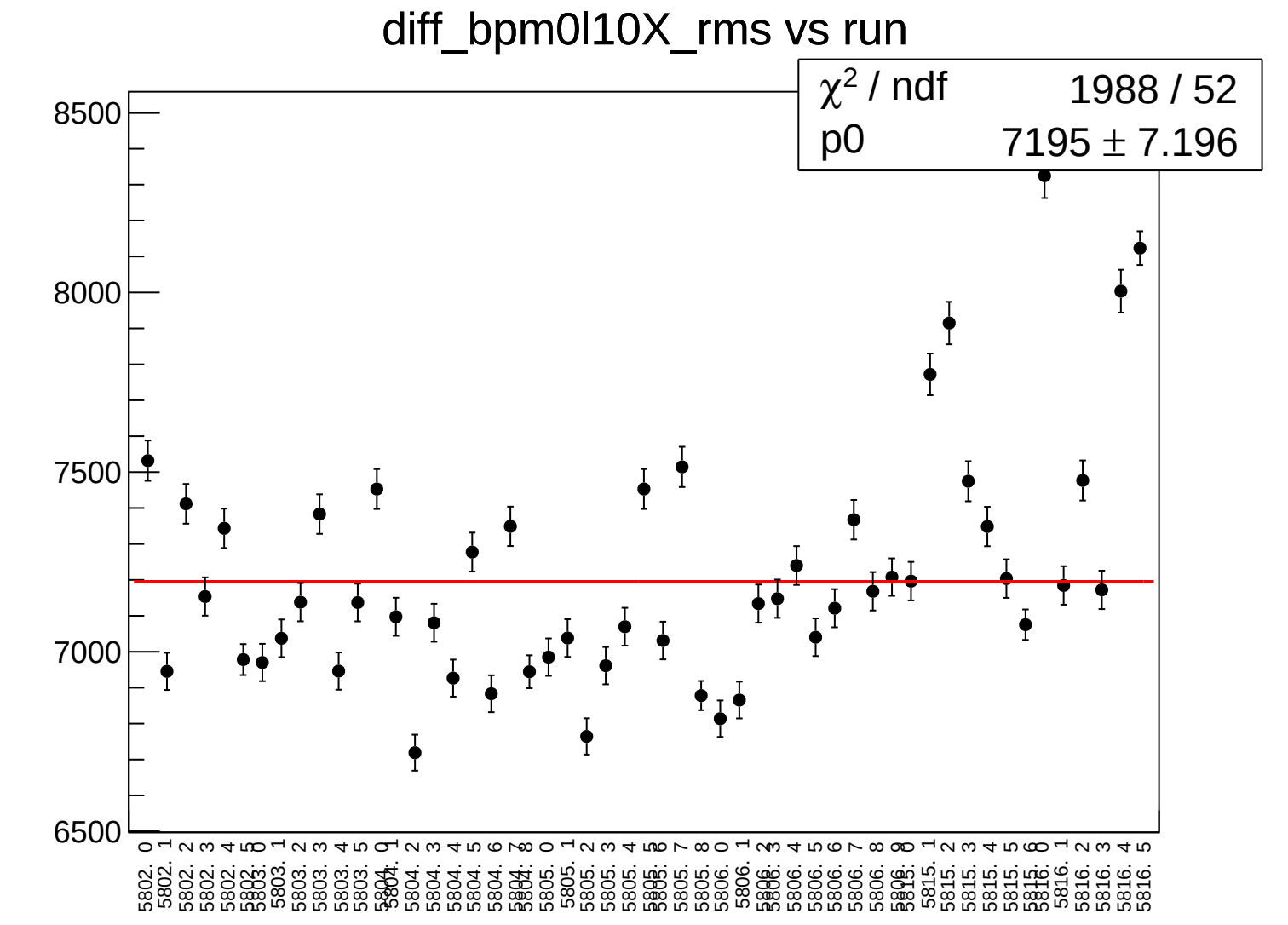

diff_bpm0l09Y_mean vs run
χ² / ndf 63.82 / 52
p0 −4.956 ± 1.614
pull
Entries 53
Mean −293.4
Std Dev 0

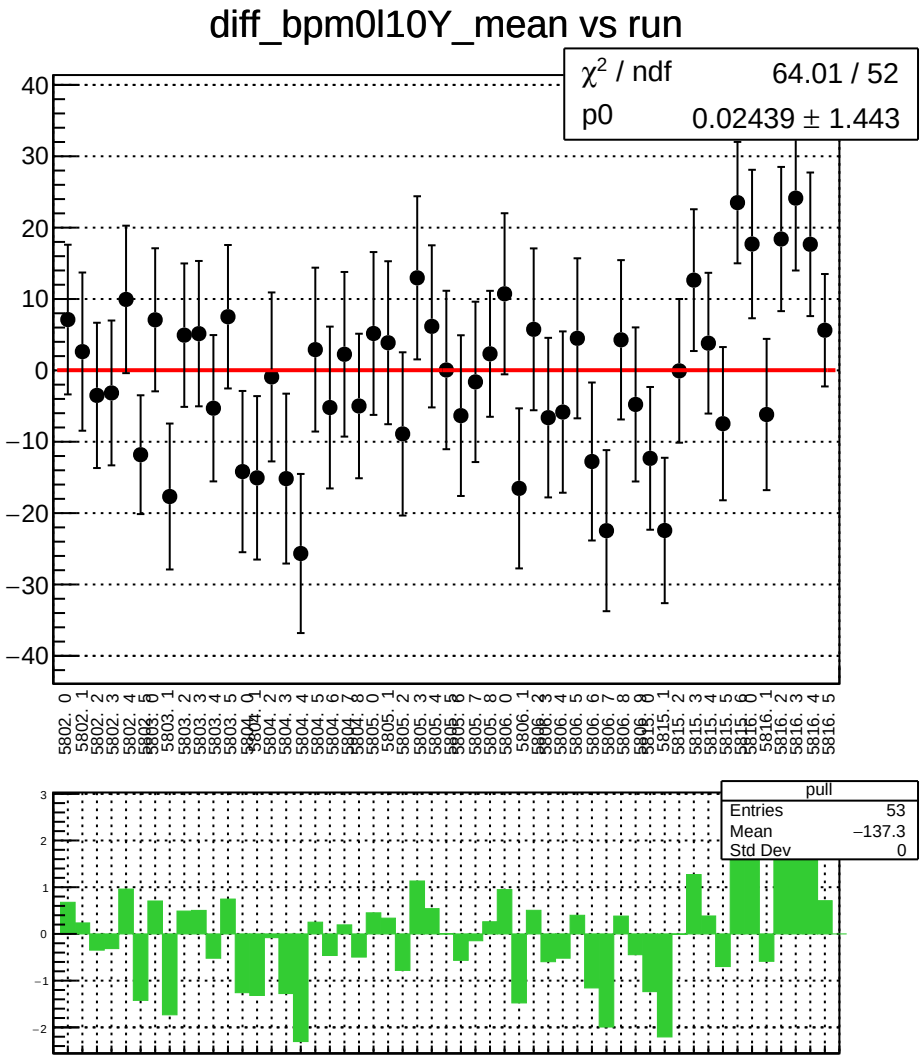

pull1D
Entries 53
Mean −0.01502
Std Dev 1.097

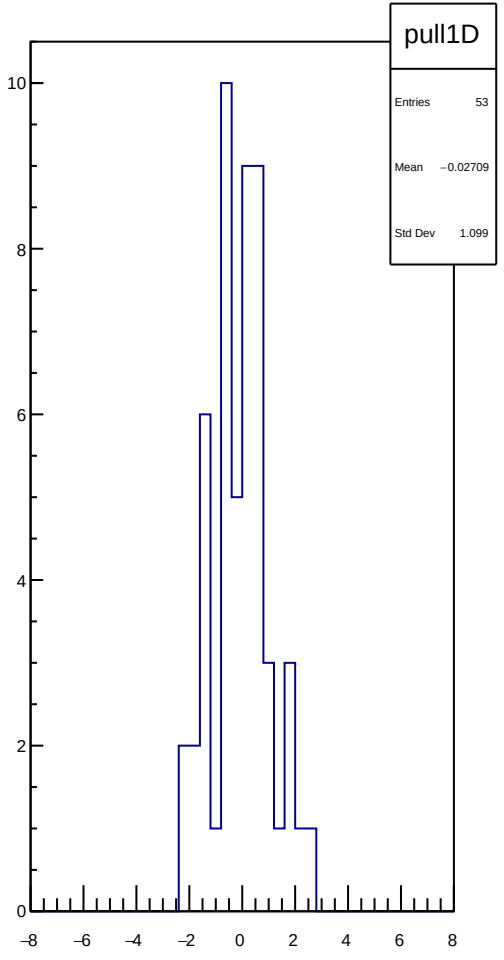

diff_bpm0l09Y_rms vs run
χ² / ndf 1696 / 52
p0 1141 ± 1.141
1250
1200
1150
1100
1050

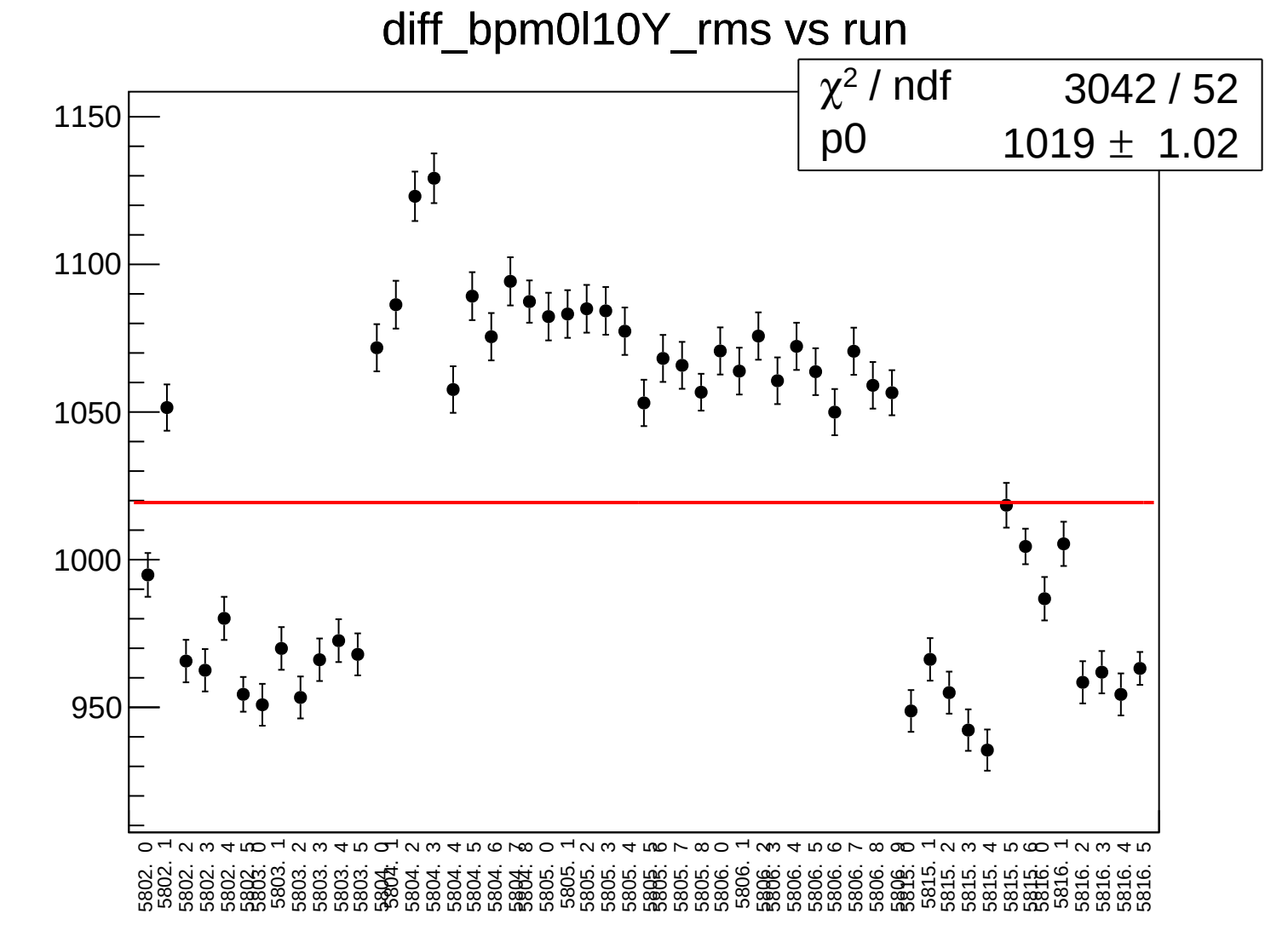

diff_bpm0l10X_mean vs run
χ² / ndf 53.63 / 52
p0 43.67 ± 10.18
pull
Entries 53
Mean 137.6
Std Dev 0

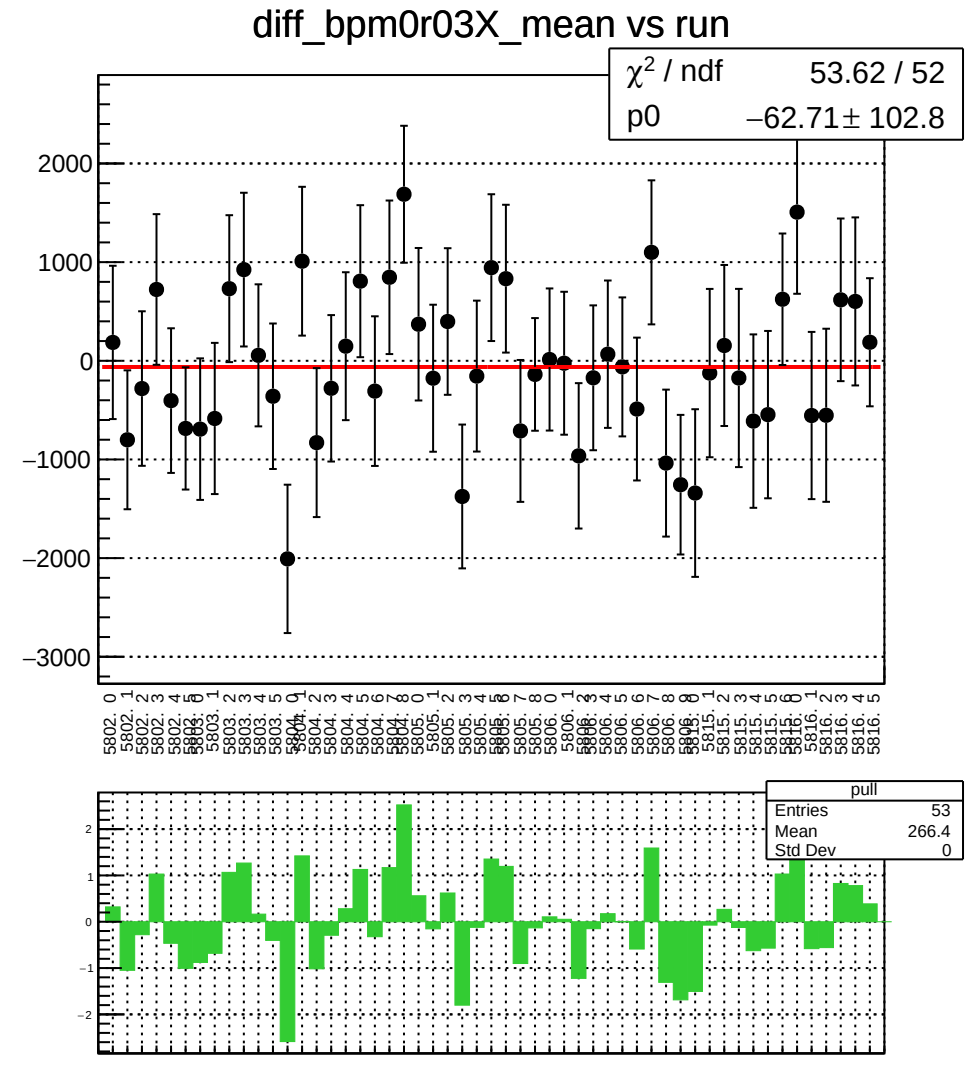

pull1D
Entries 53
Mean −0.01159
Std Dev 1.006

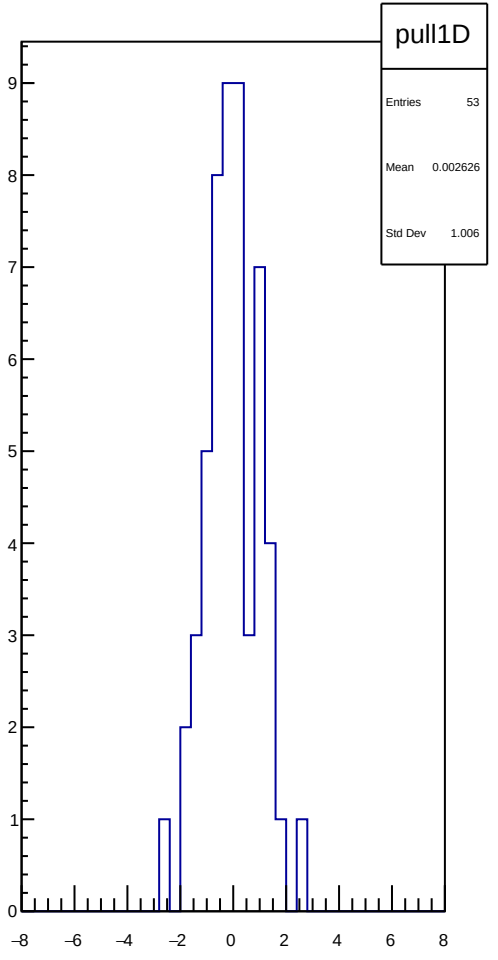

diff_bpm0l10X_rms vs run
χ² / ndf 1988 / 52
p0 7195 ± 7.196
8500
8000
7500
7000
6500

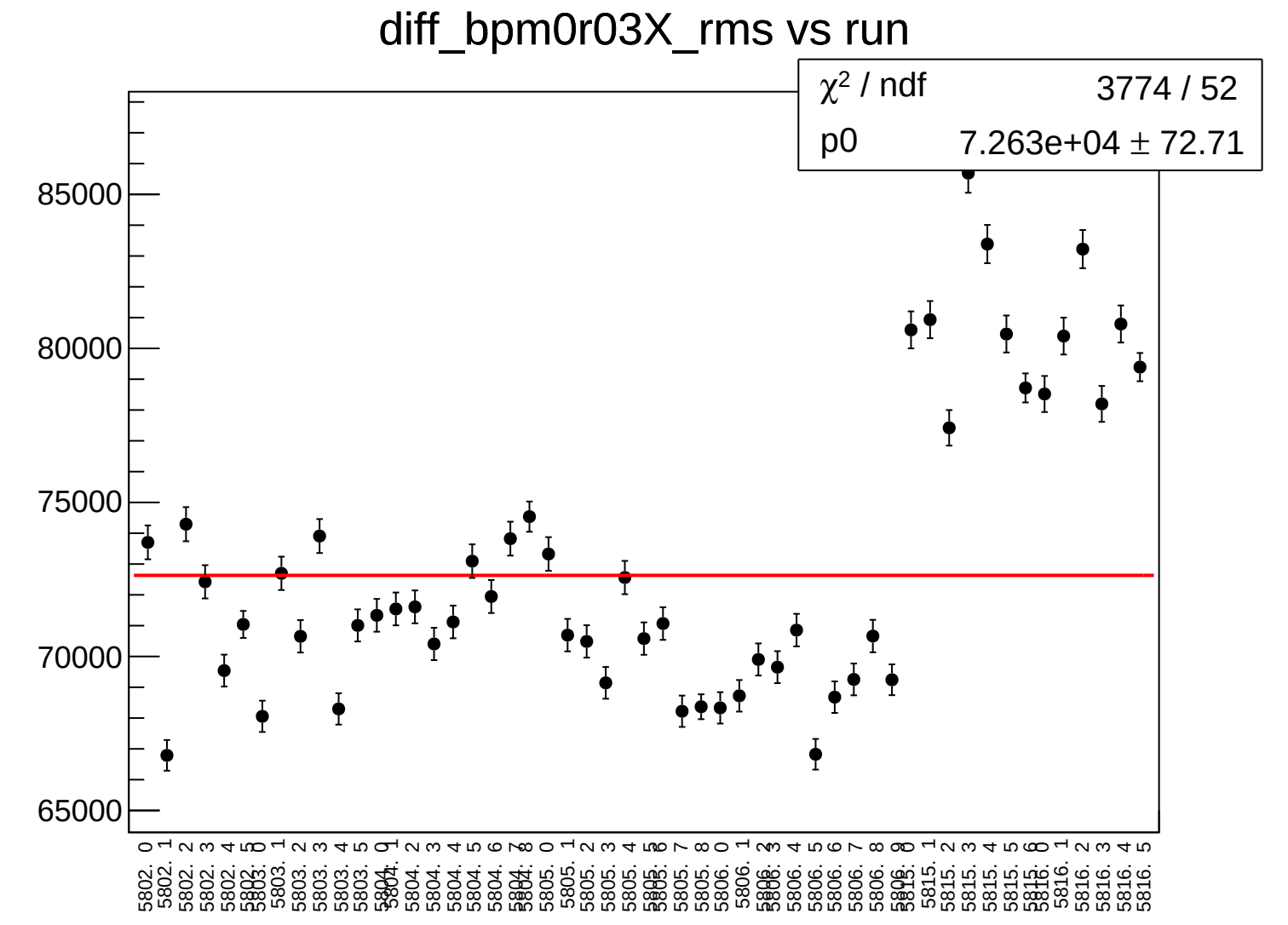

diff_bpm0l10Y_mean vs run
χ² / ndf 64.01 / 52
p0 0.02439 ± 1.443
pull
Entries 53
Mean −137.3
Std Dev 0

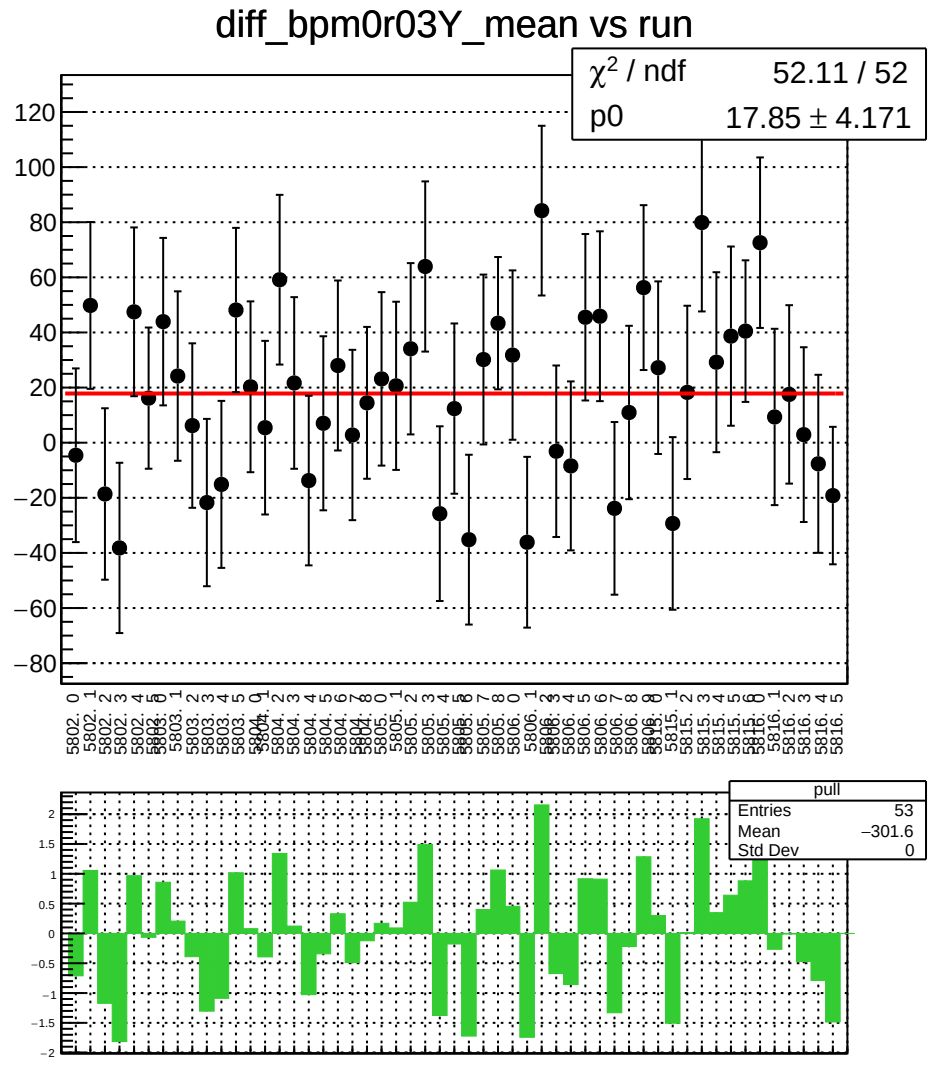

pull1D
Entries 53
Mean −0.02709
Std Dev 1.099

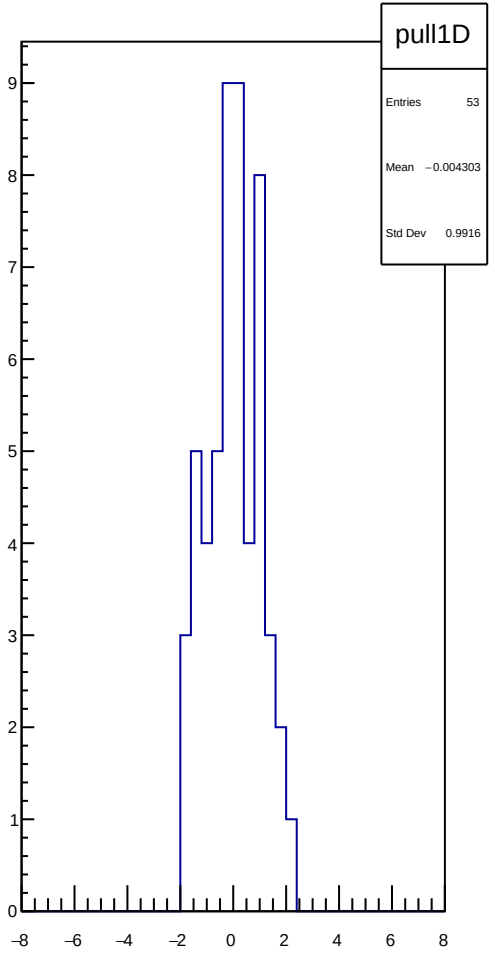

diff_bpm0l10Y_rms vs run
χ² / ndf 3042 / 52
p0 1019 ± 1.02
1150
1100
1050
1000
950

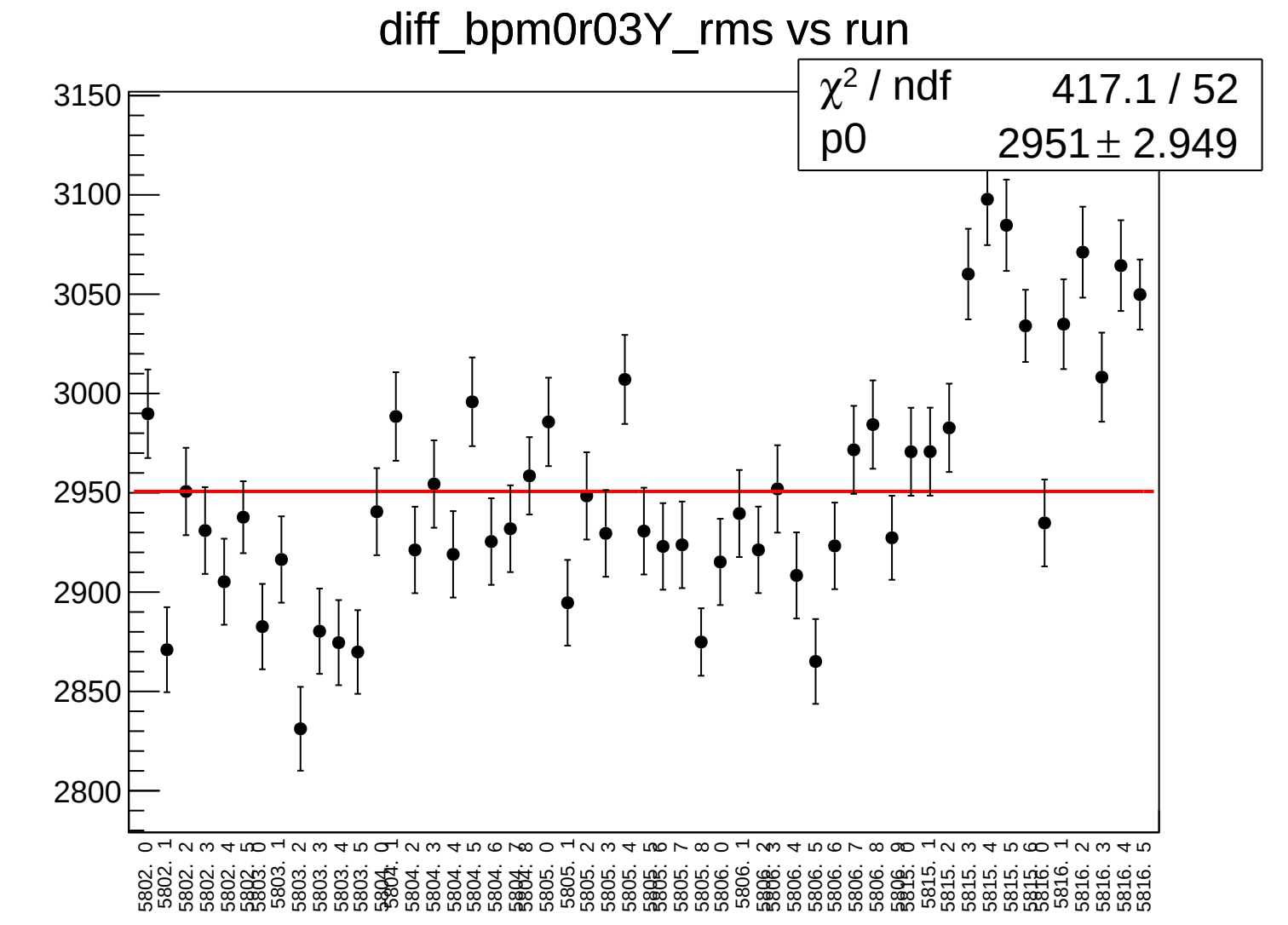

diff_bpm0r03X_mean vs run
χ² / ndf 53.62 / 52
p0 −62.71± 102.8
pull
Entries 53
Mean 266.4
Std Dev 0

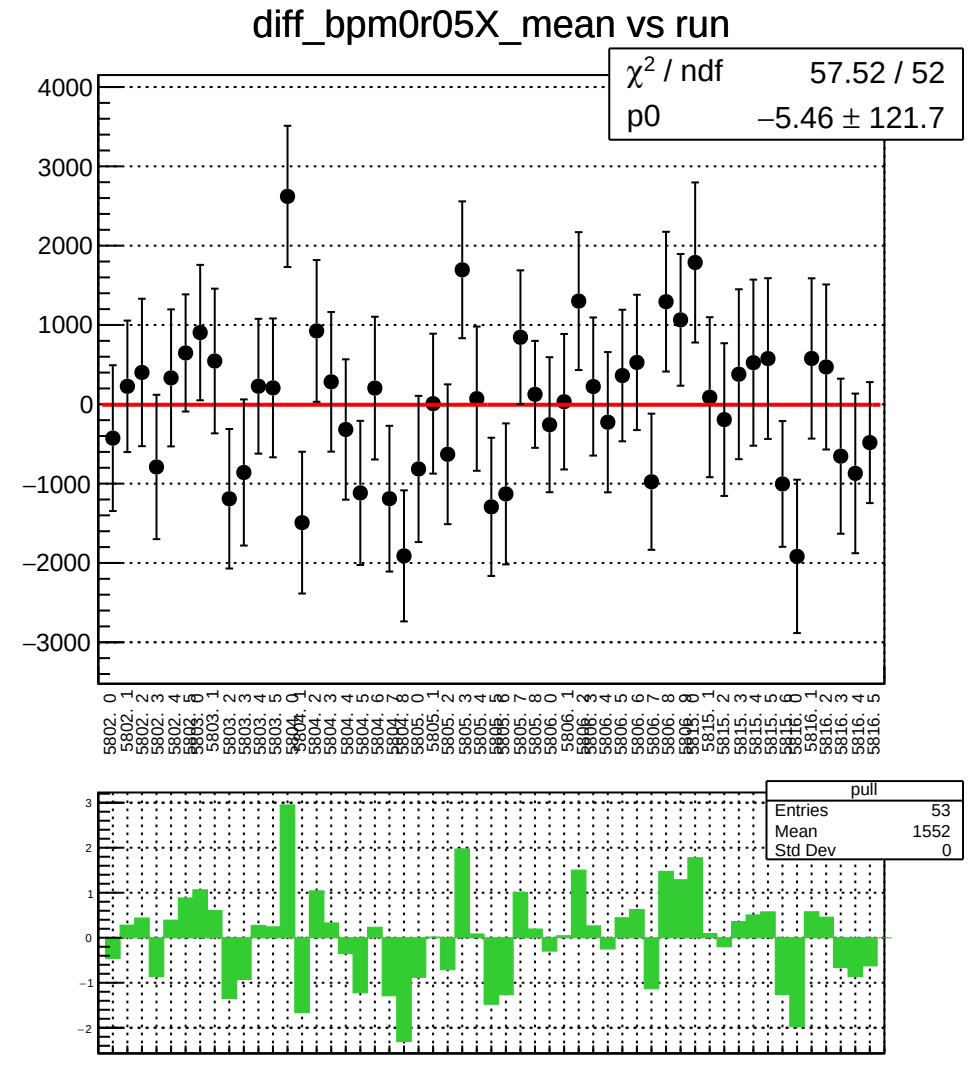

pull1D
Entries 53
Mean 0.002626
Std Dev 1.006

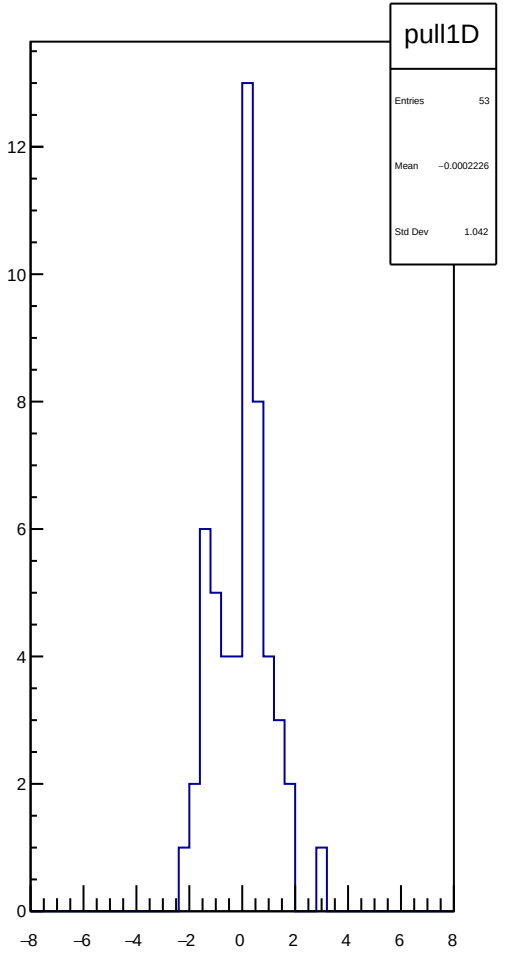

diff_bpm0r03X_rms vs run
χ² / ndf 3774 / 52
p0 7.263e+04 ± 72.71
85000
80000
75000
70000
65000

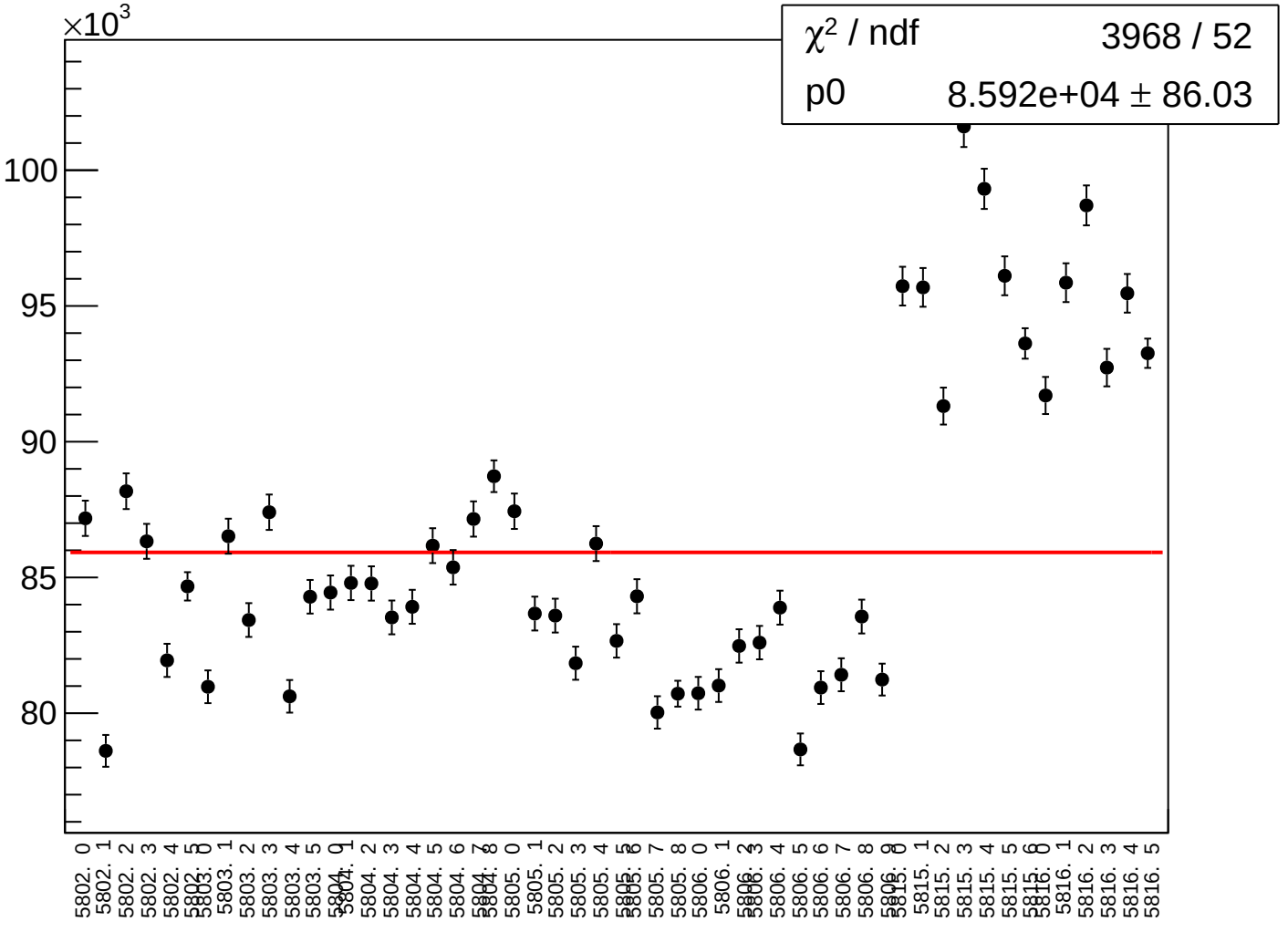

diff_bpm0r03Y_mean vs run
χ^2 / ndf 52.11 / 52
p0 17.85 ± 4.171
pull
Entries 53
Mean −301.6
Std Dev 0

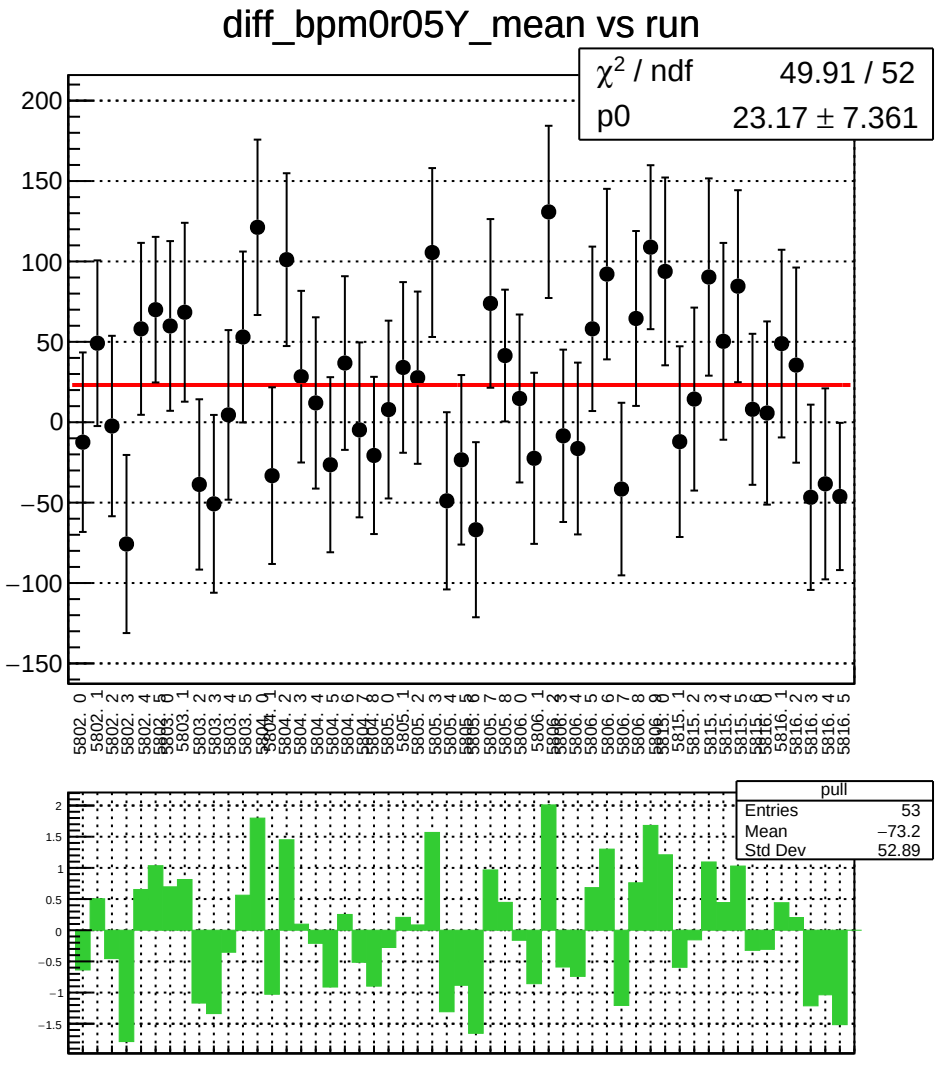

pull1D
Entries 53
Mean −0.004303
Std Dev 0.9916

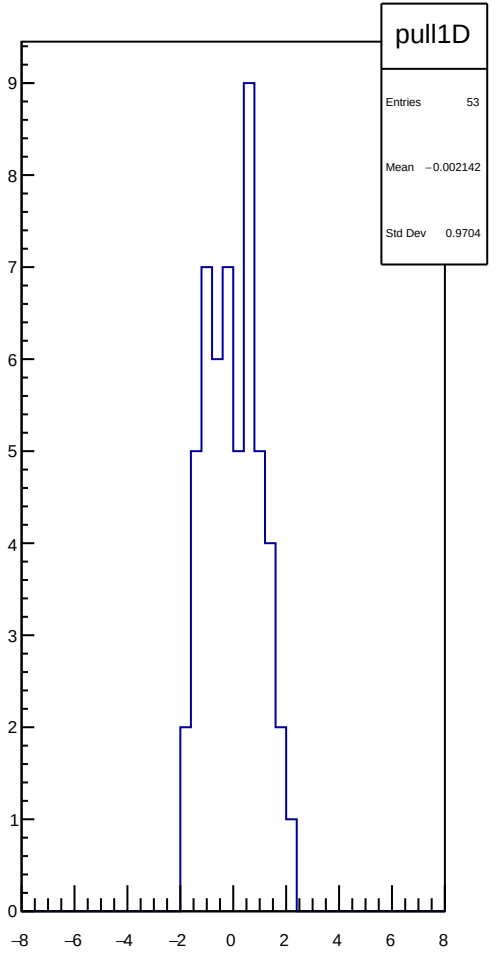

diff_bpm0r03Y_rms vs run
χ² / ndf 417.1 / 52
p0 2951 ± 2.949
3150
3100
3050
3000
2950
2900
2850
2800
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

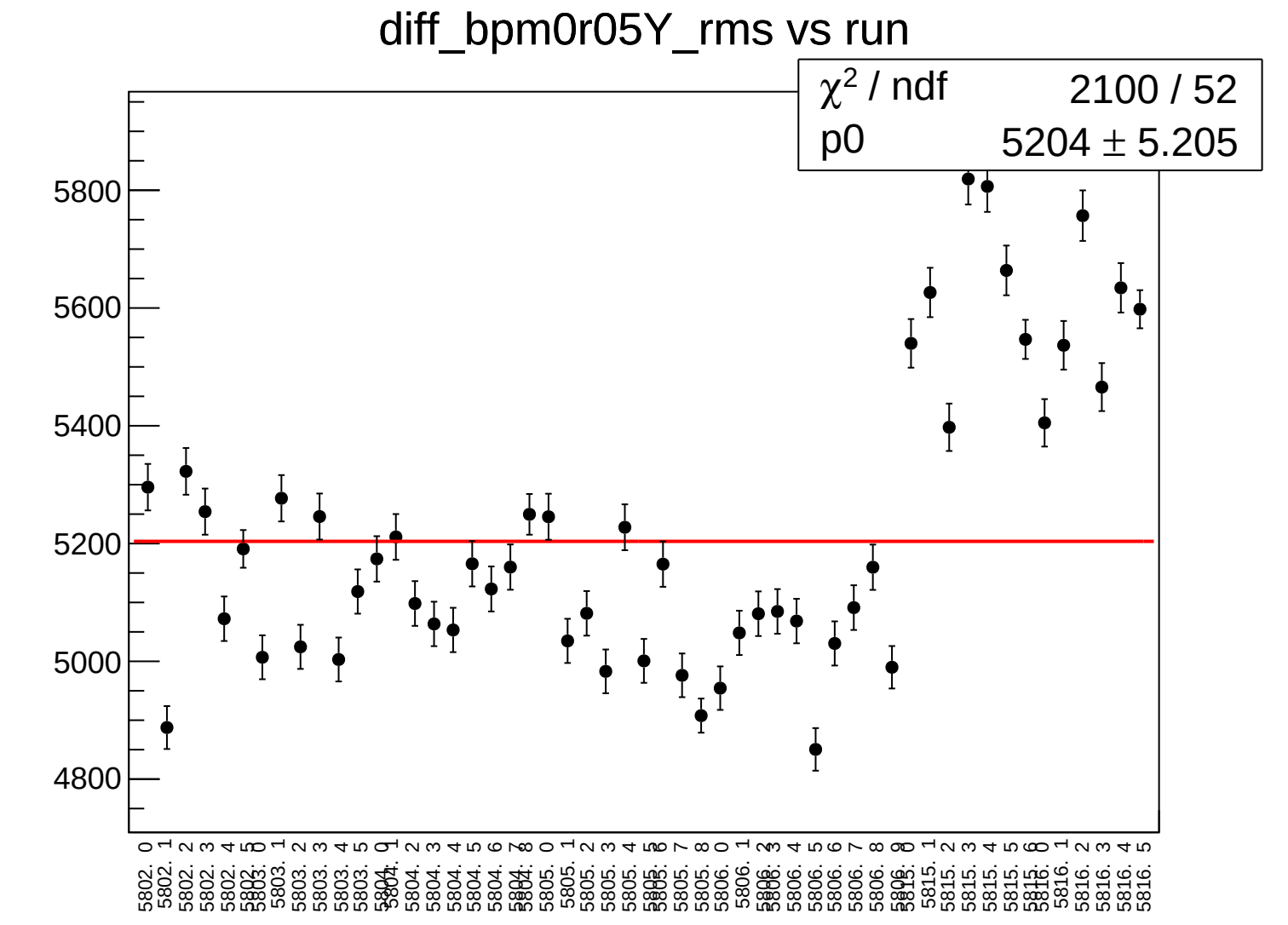

diff_bpm0r05X_mean vs run
χ² / ndf 57.52 / 52
p0 −5.46 ± 121.7
pull
Entries 53
Mean 1552
Std Dev 0

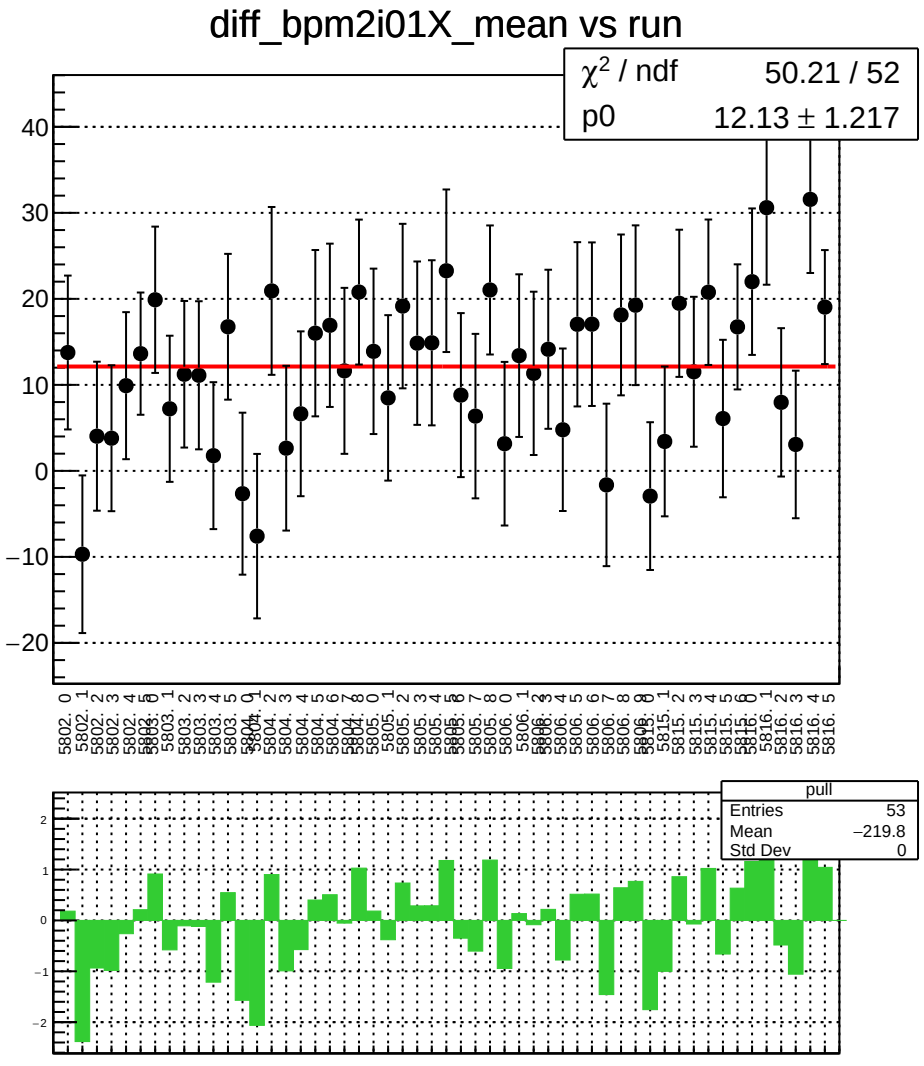

pull1D
Entries 53
Mean −0.0002226
Std Dev 1.042

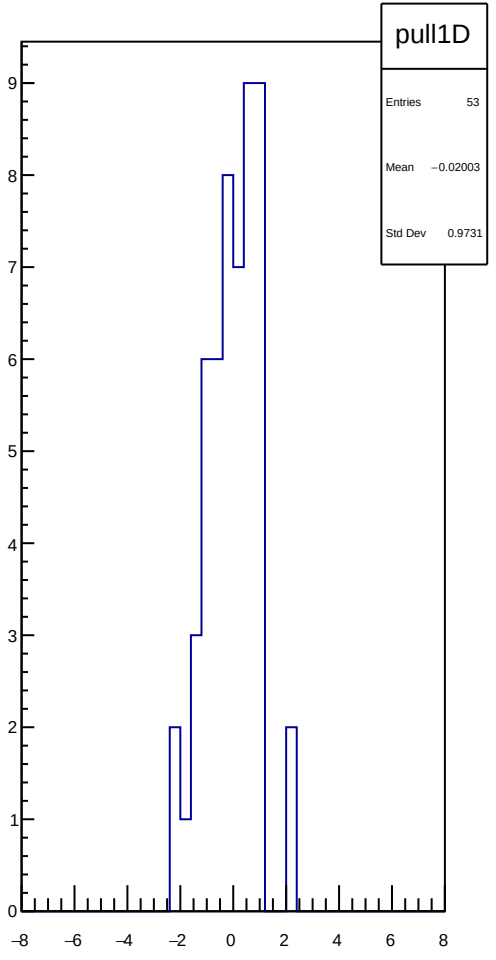

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 3968 / 52
p0 8.592e+04 ± 86.03
100
95
90
85
80

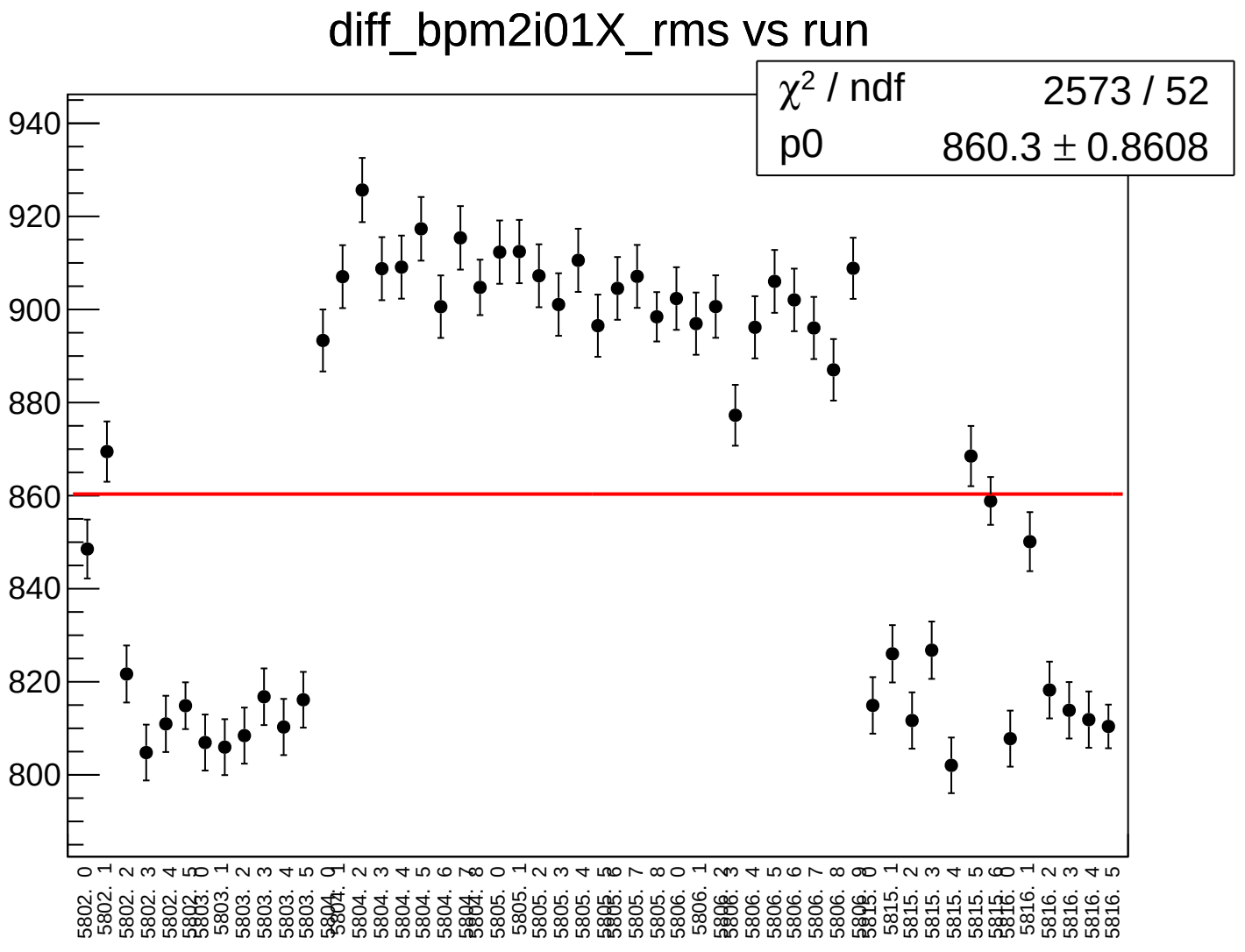

diff_bpm0r05Y_mean vs run
χ² / ndf 49.91 / 52
p0 23.17 ± 7.361
pull
Entries 53
Mean −73.2
Std Dev 52.89

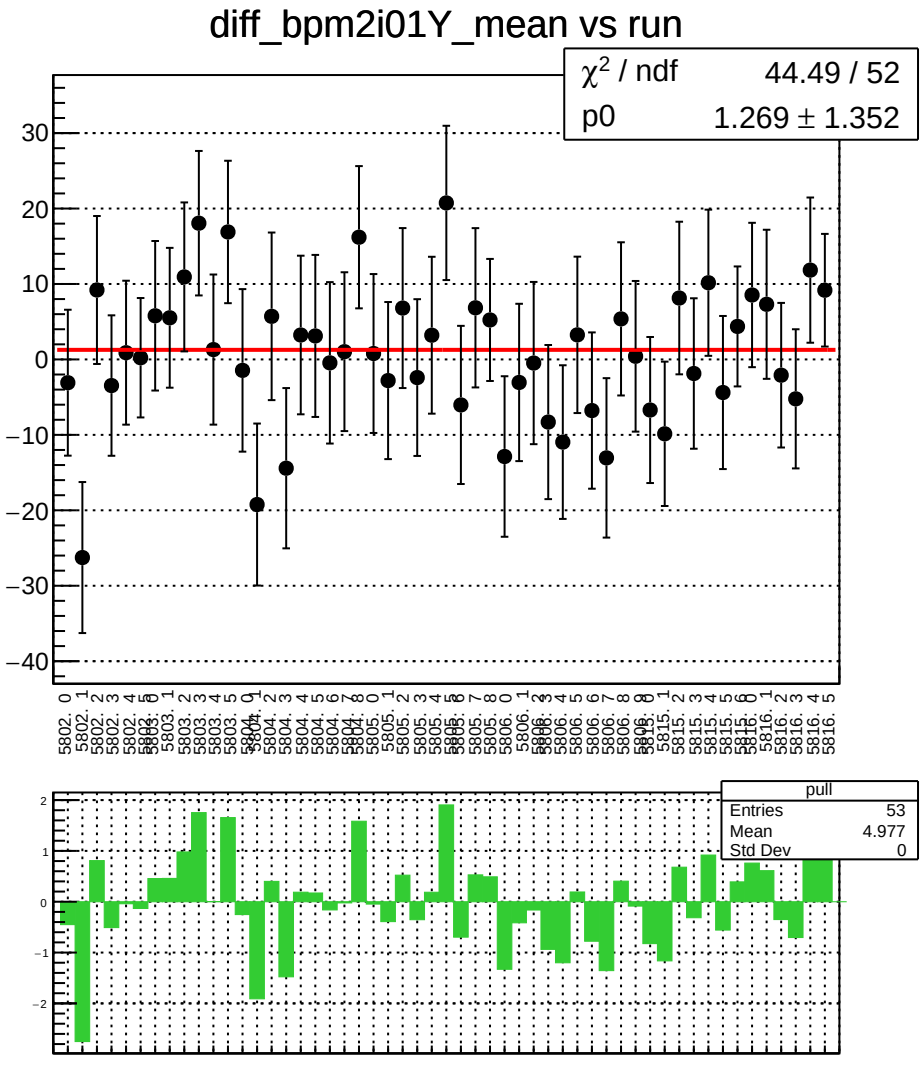

pull1D
Entries 53
Mean −0.002142
Std Dev 0.9704

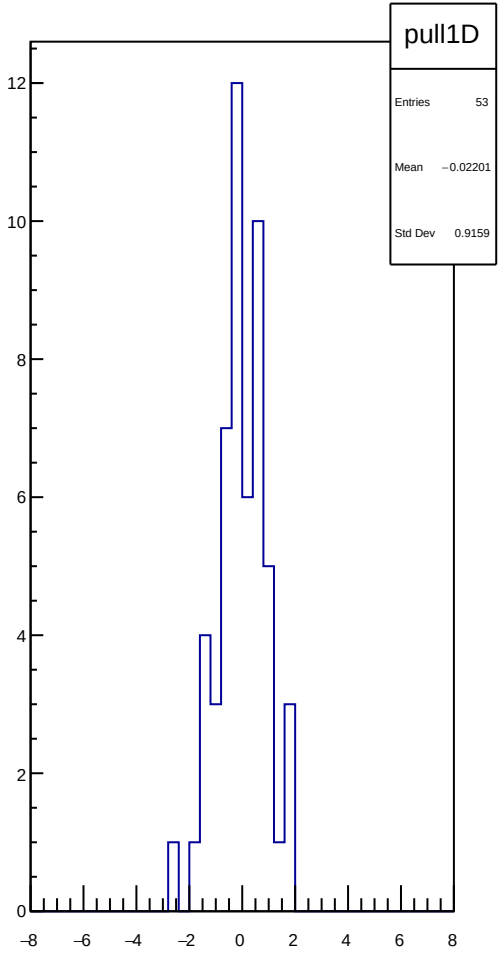

diff_bpm0r05Y_rms vs run
χ² / ndf 2100 / 52
p0 5204 ± 5.205
5800
5600
5400
5200
5000
4800

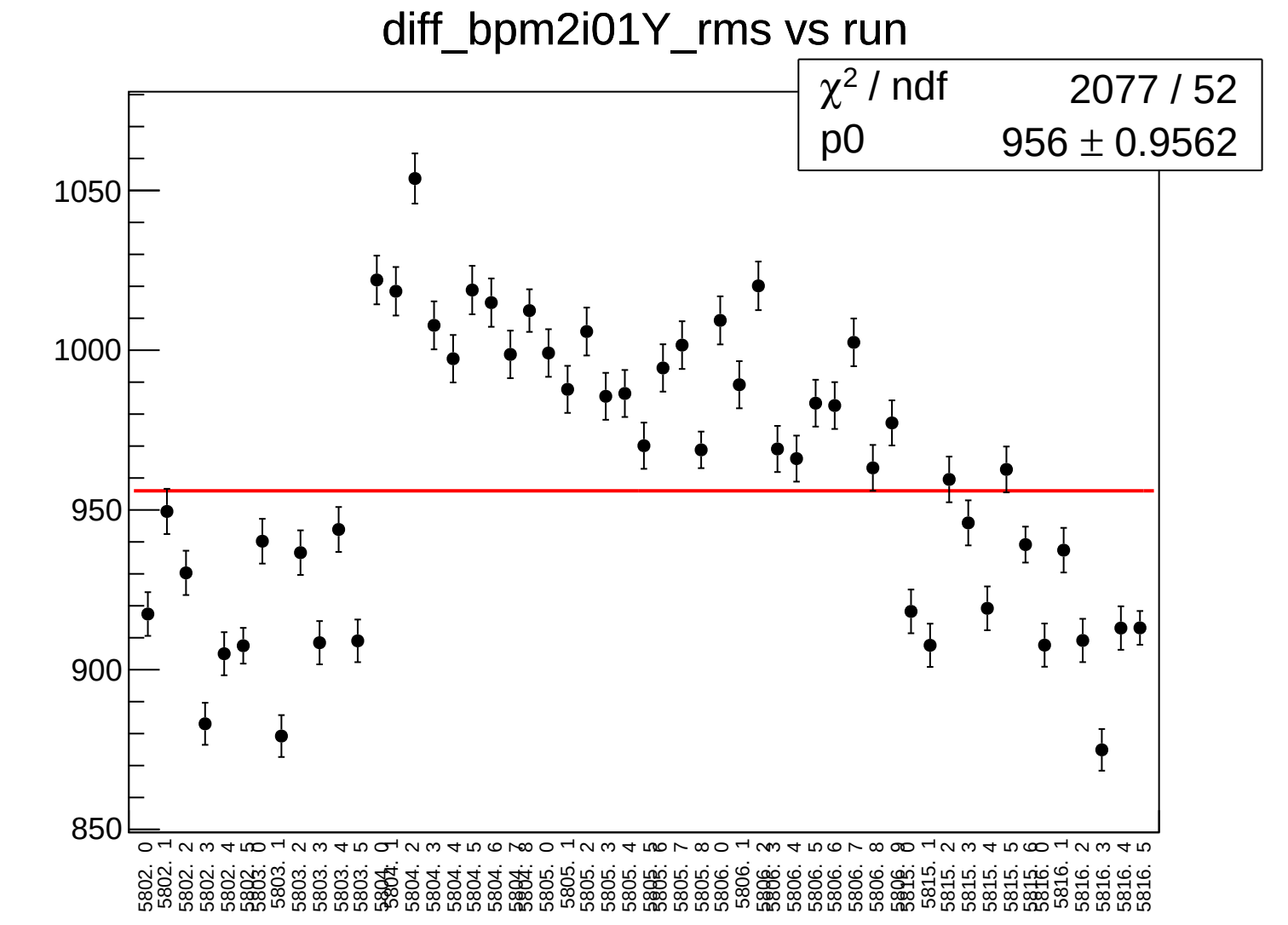

diff_bpm2i01X_mean vs run
χ² / ndf 50.21 / 52
p0 12.13 ± 1.217
pull
Entries 53
Mean −219.8
Std Dev 0

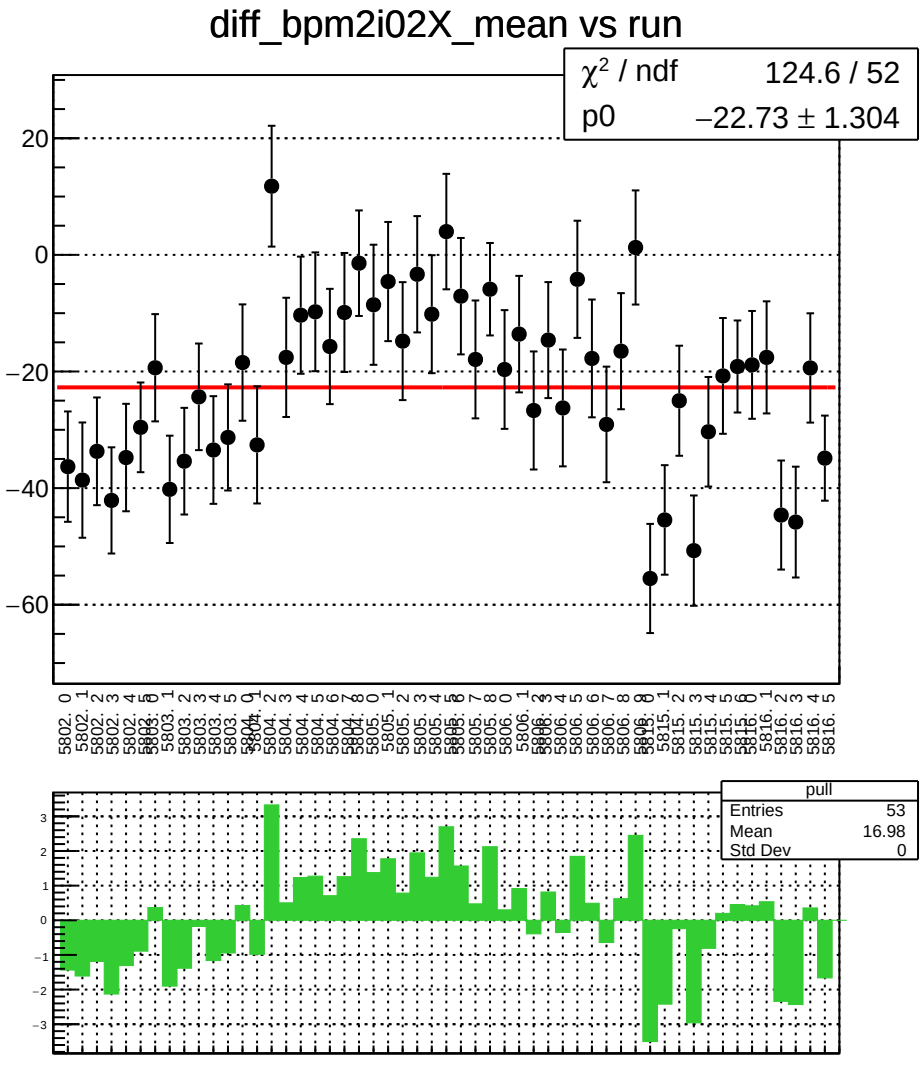

pull1D
Entries 53
Mean −0.02003
Std Dev 0.9731

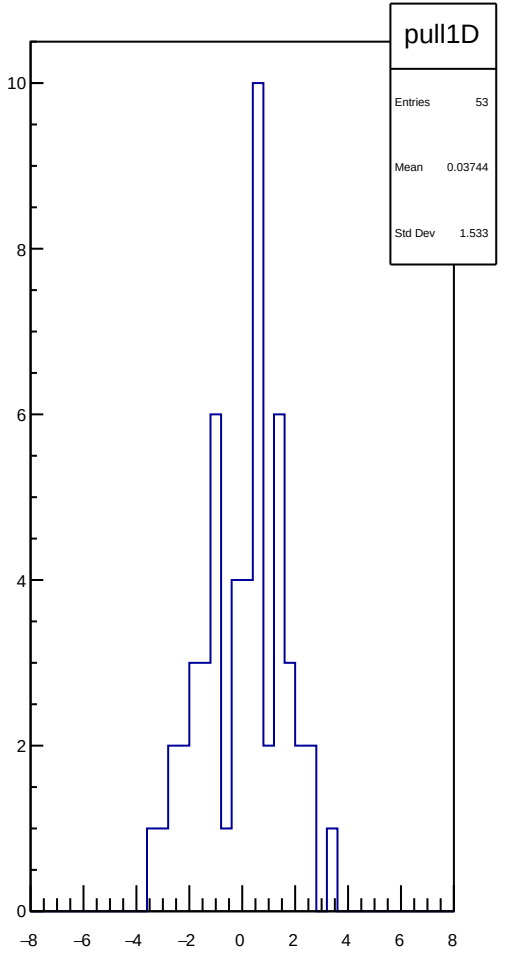

diff_bpm2i01X_rms vs run
χ² / ndf 2573 / 52
p0 860.3 ± 0.8608
940
920
900
880
860
840
820
800

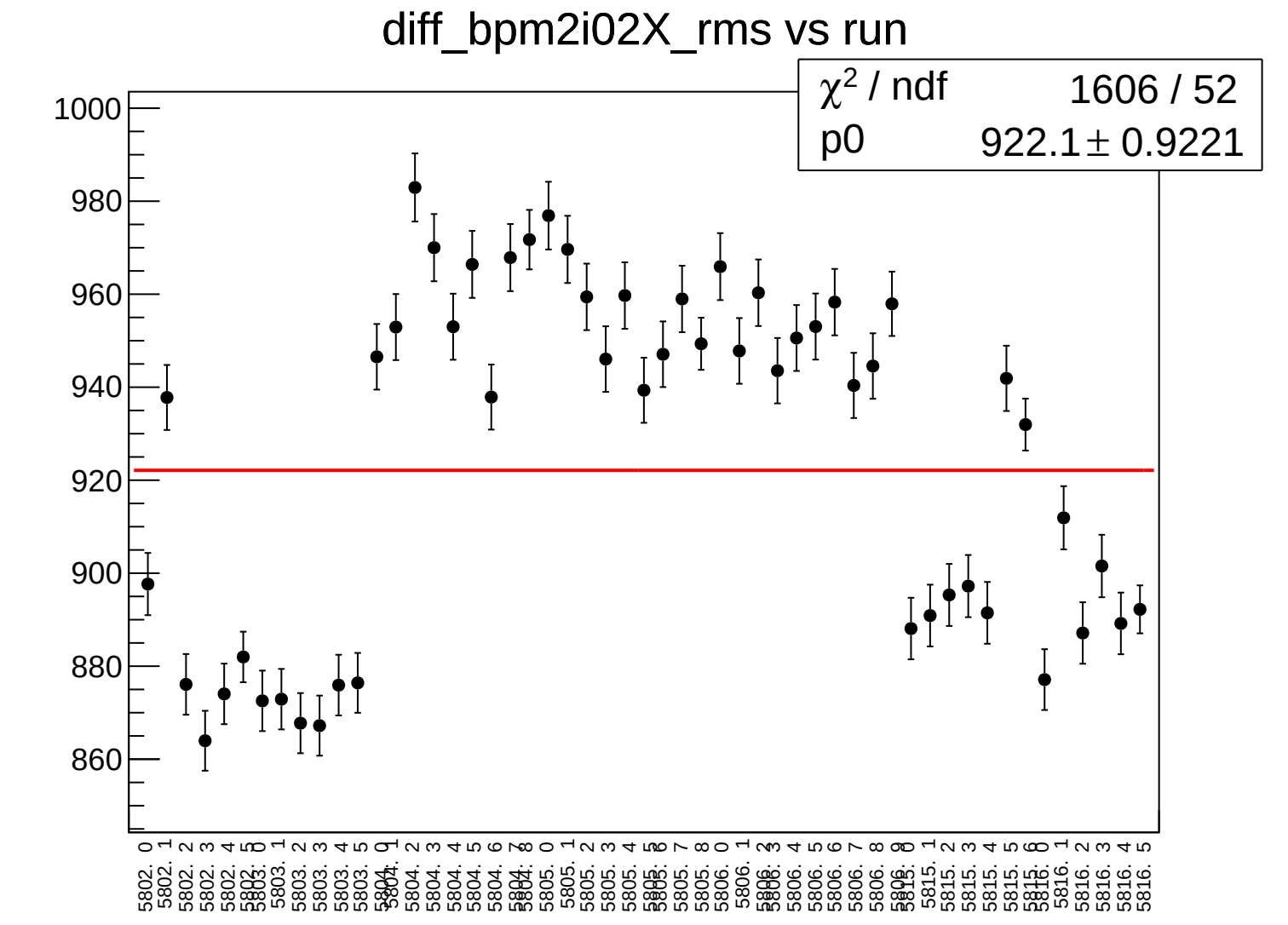

diff_bpm2i01Y_mean vs run
χ² / ndf 44.49 / 52
p0 1.269 ± 1.352
pull
Entries 53
Mean 4.977
Std Dev 0

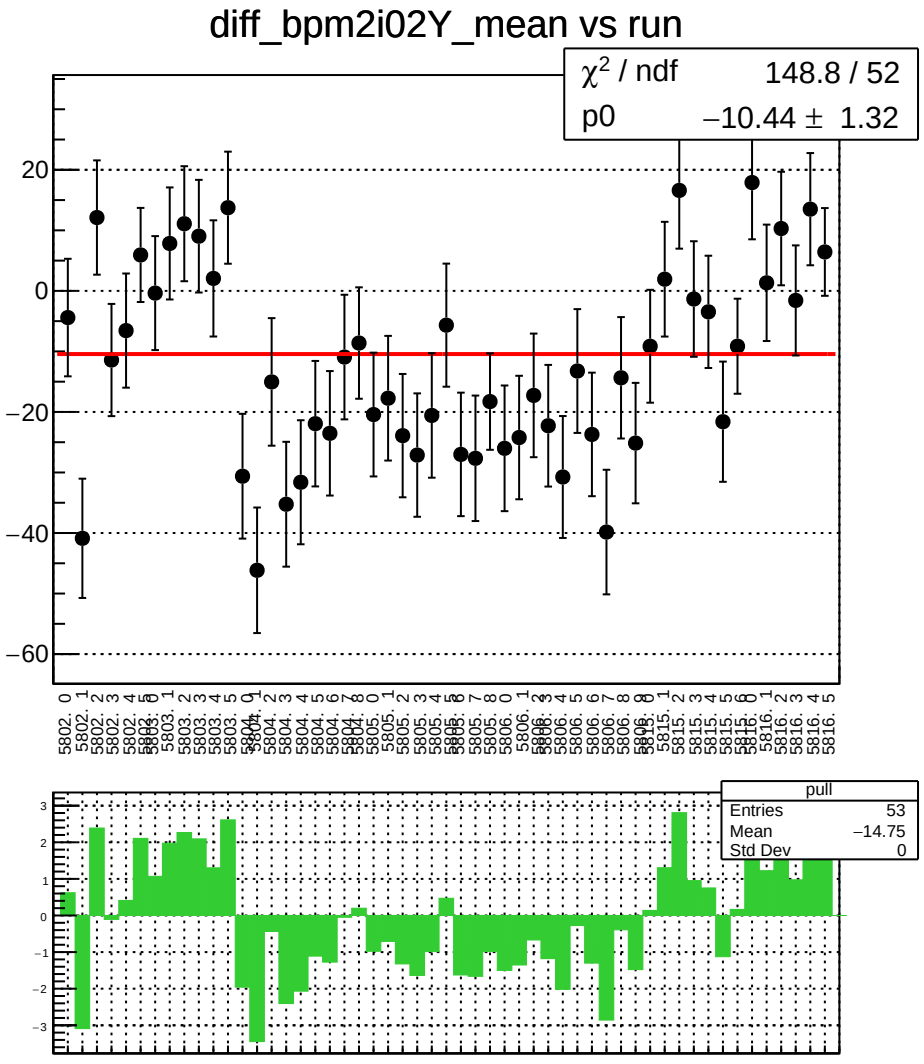

pull1D
Entries 53
Mean −0.02201
Std Dev 0.9159

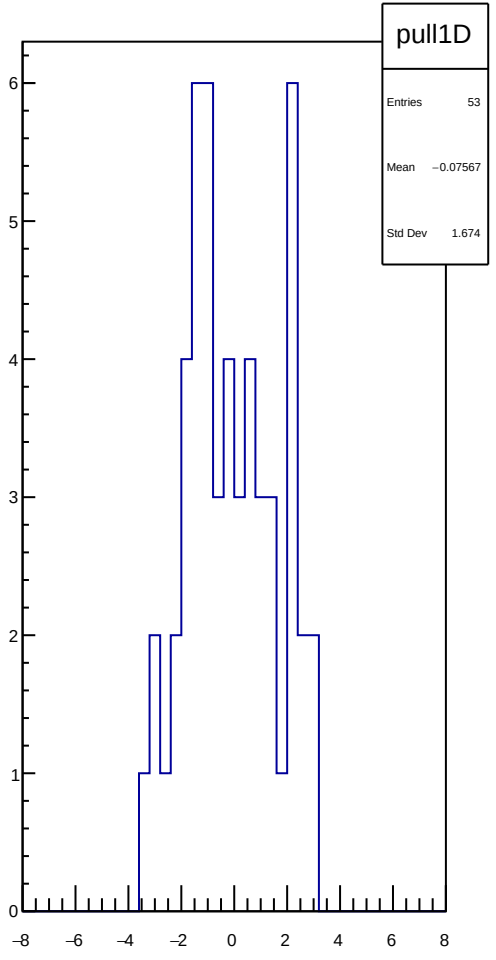

diff_bpm2i01Y_rms vs run
χ² / ndf 2077 / 52
p0 956 ± 0.9562
1050
1000
950
900
850

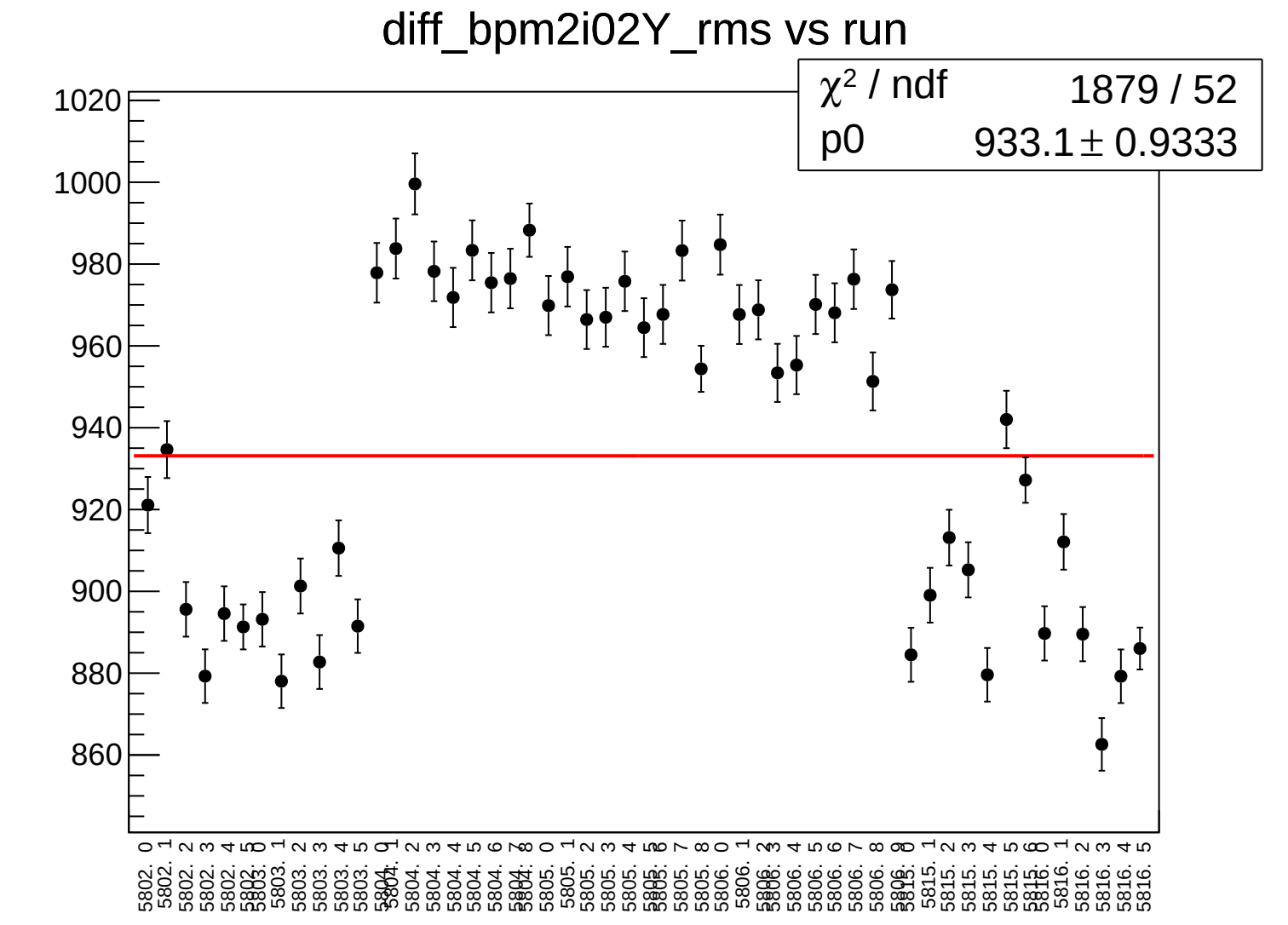

diff_bpm2i02X_mean vs run
χ² / ndf 124.6 / 52
p0 −22.73 ± 1.304
pull
Entries 53
Mean 16.98
Std Dev 0

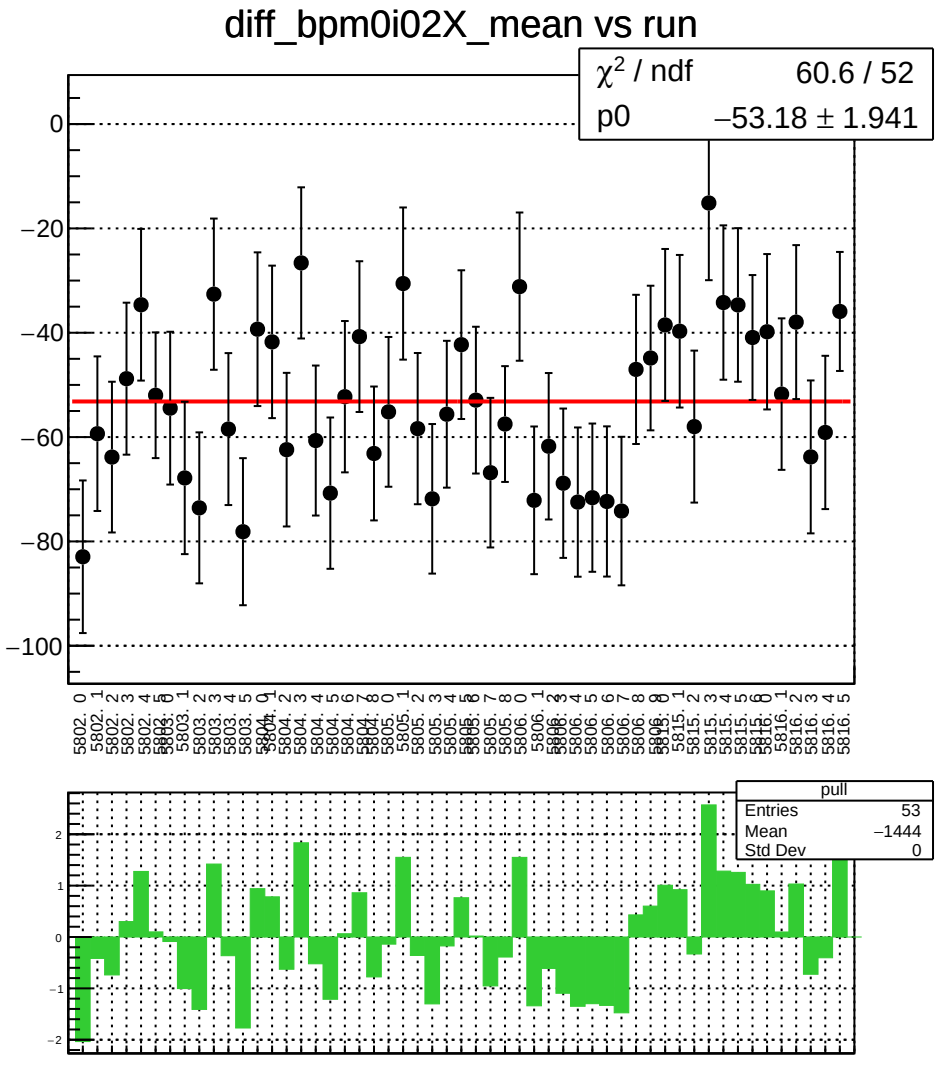

pull1D
Entries 53
Mean 0.03744
Std Dev 1.533

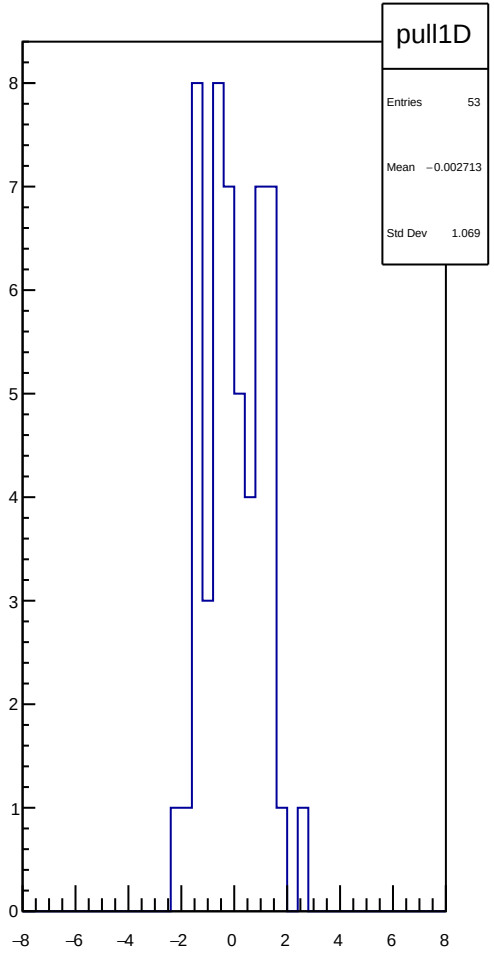

diff_bpm2i02X_rms vs run
χ² / ndf 1606 / 52
p0 922.1 ± 0.9221
1000
980
960
940
920
900
880
860
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

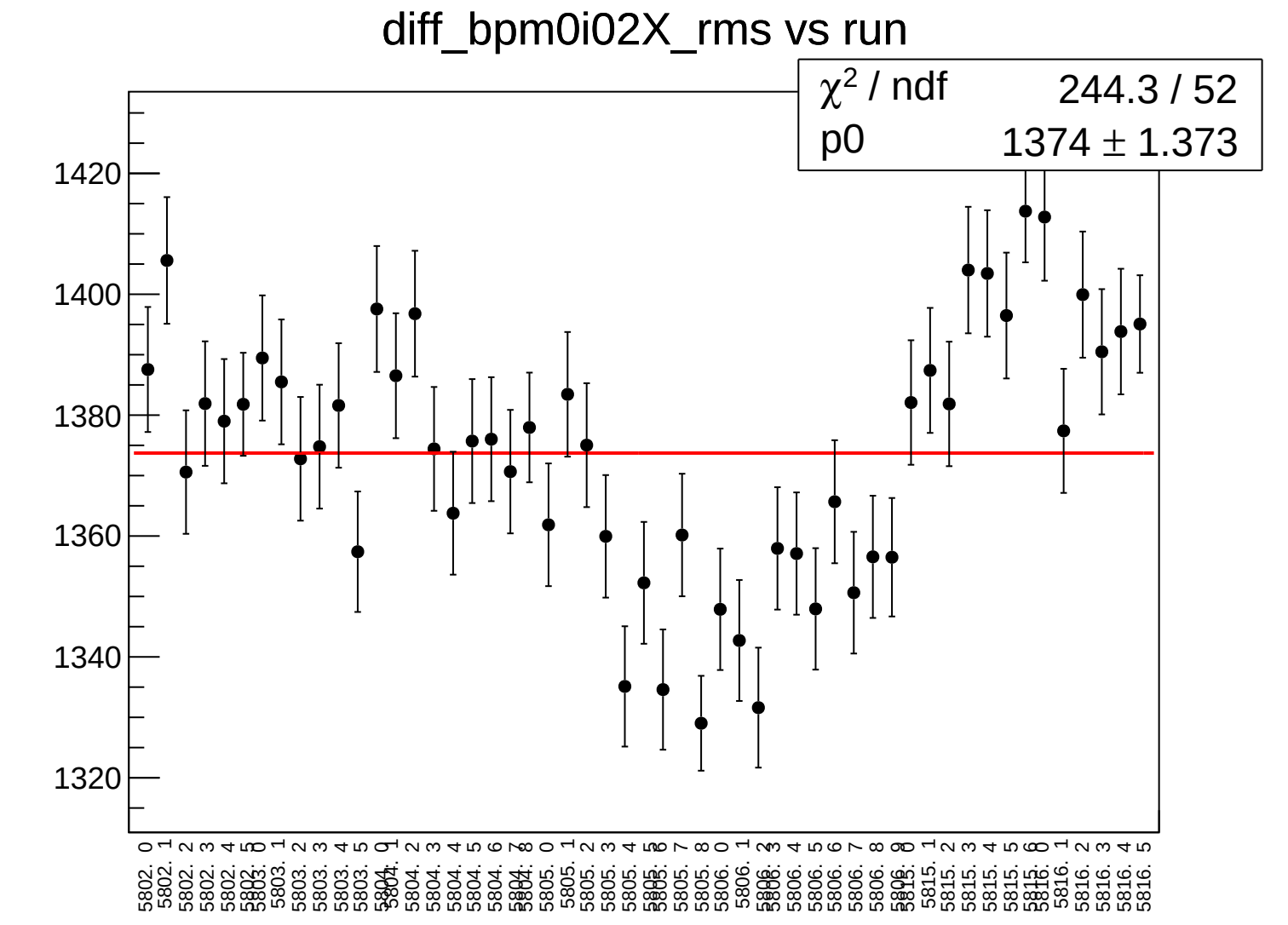

diff_bpm2i02Y_mean vs run
χ² / ndf 148.8 / 52
p0 −10.44 ± 1.32
pull
Entries 53
Mean −14.75
Std Dev 0

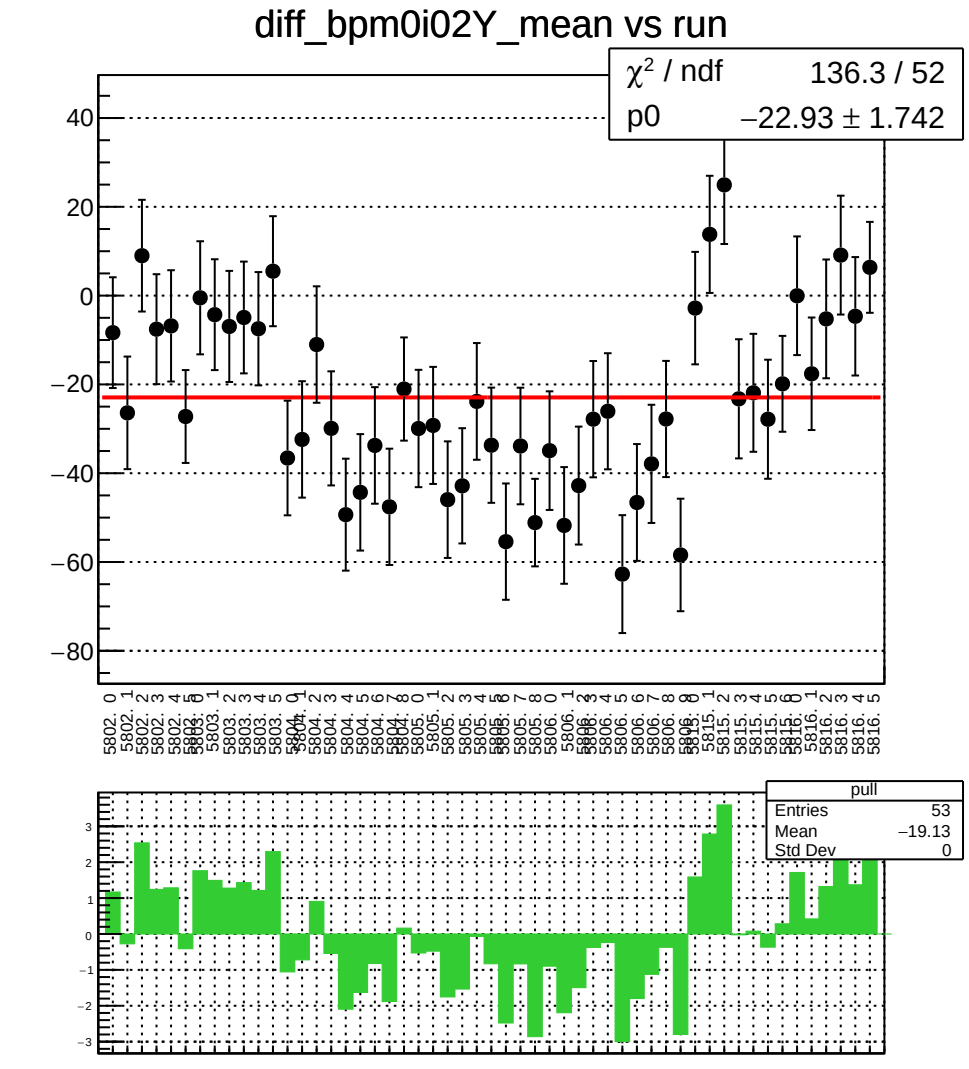

pull1D
Entries 53
Mean −0.07567
Std Dev 1.674

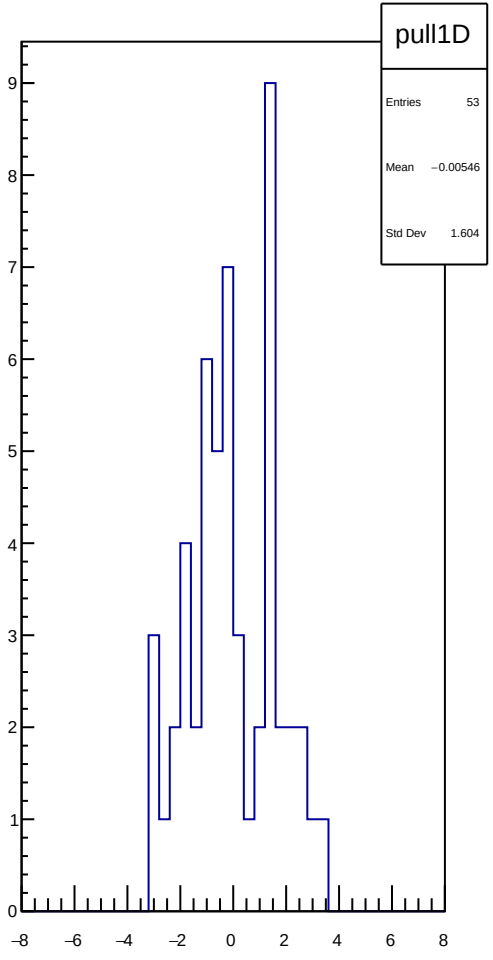

diff_bpm2i02Y_rms vs run
χ² / ndf 1879 / 52
p0 933.1 ± 0.9333
1020
1000
980
960
940
920
900
880
860

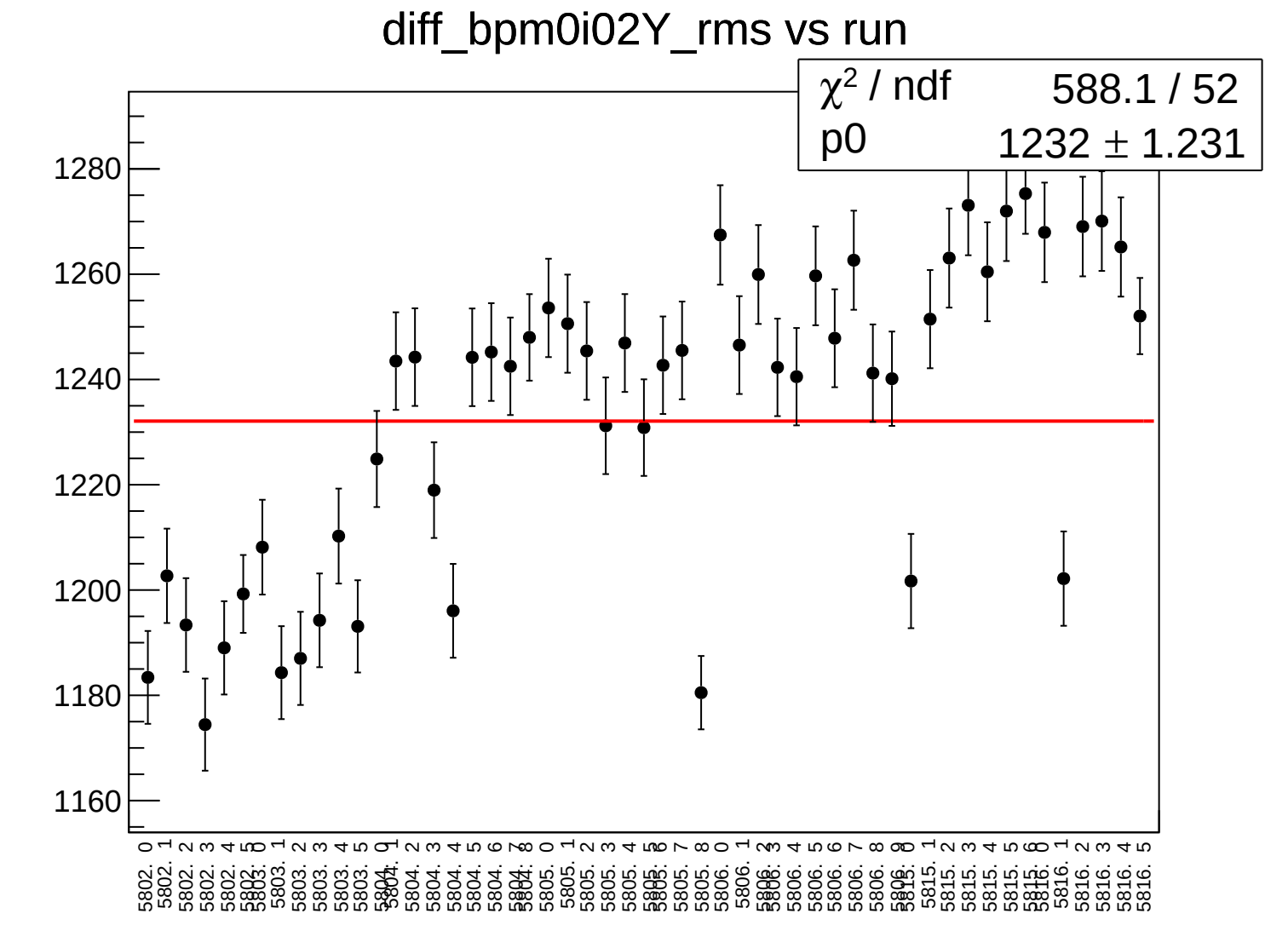

diff_bpm0i02X_mean vs run
χ^2 / ndf 60.6 / 52
p0 −53.18 ± 1.941
0
−20
−40
−60
−80
−100
pull
Entries 53
Mean −1444
Std Dev 0
2
1
0
−1
−2

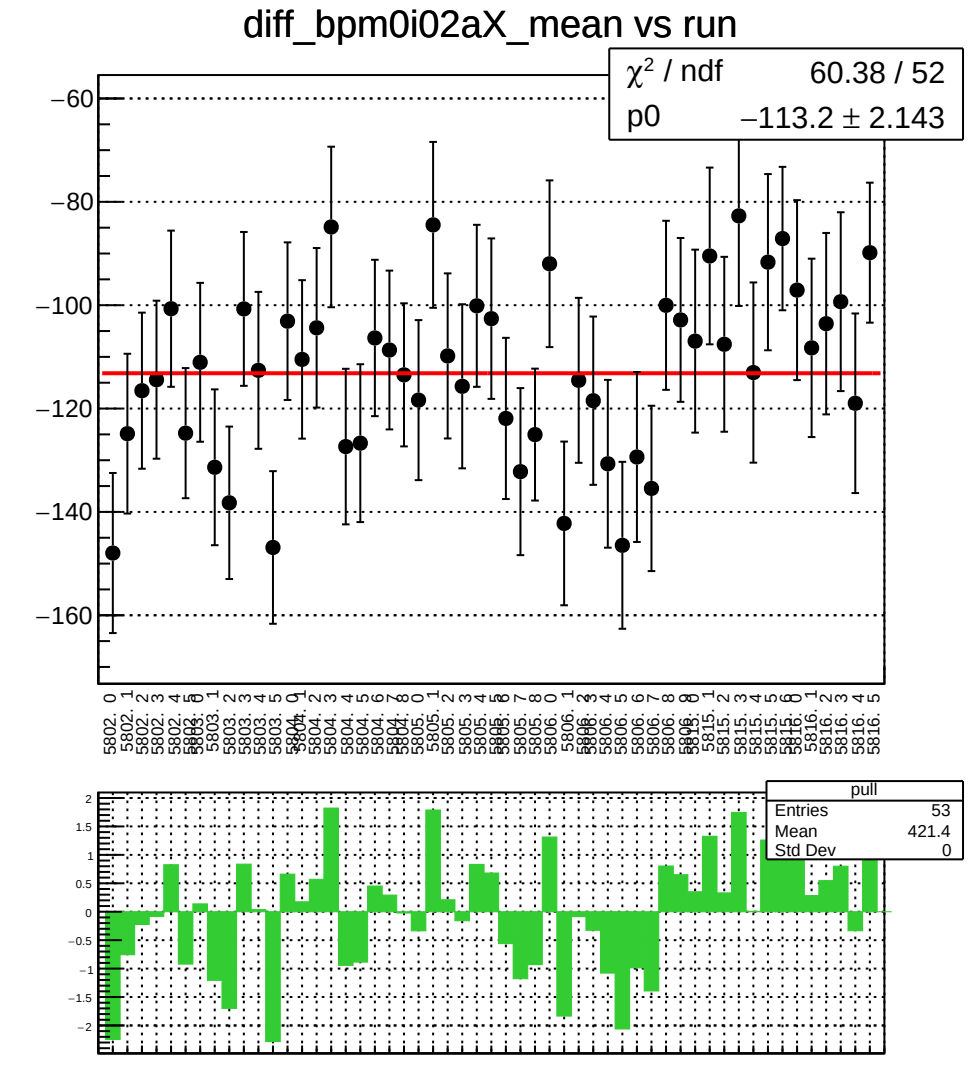

pull1D
Entries 53
Mean −0.002713
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

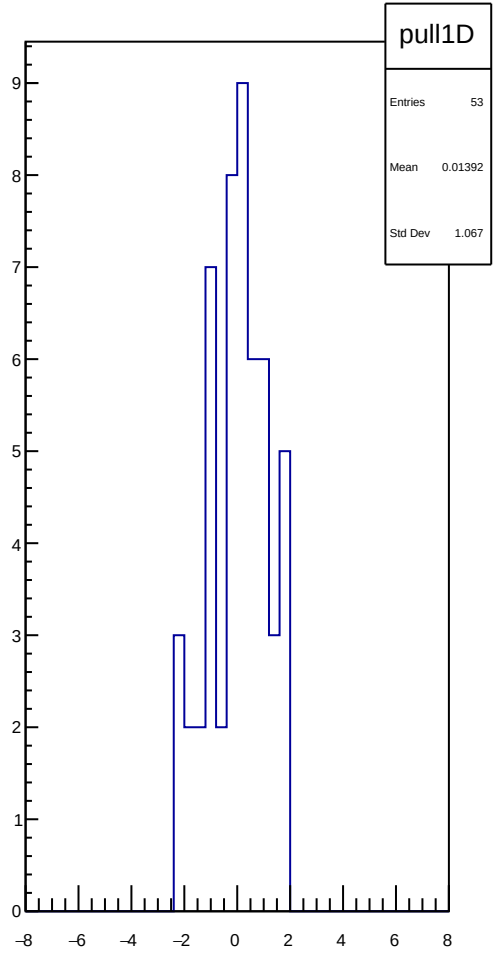

diff_bpm0i02X_rms vs run
χ² / ndf 244.3 / 52
p0 1374 ± 1.373
1420
1400
1380
1360
1340
1320

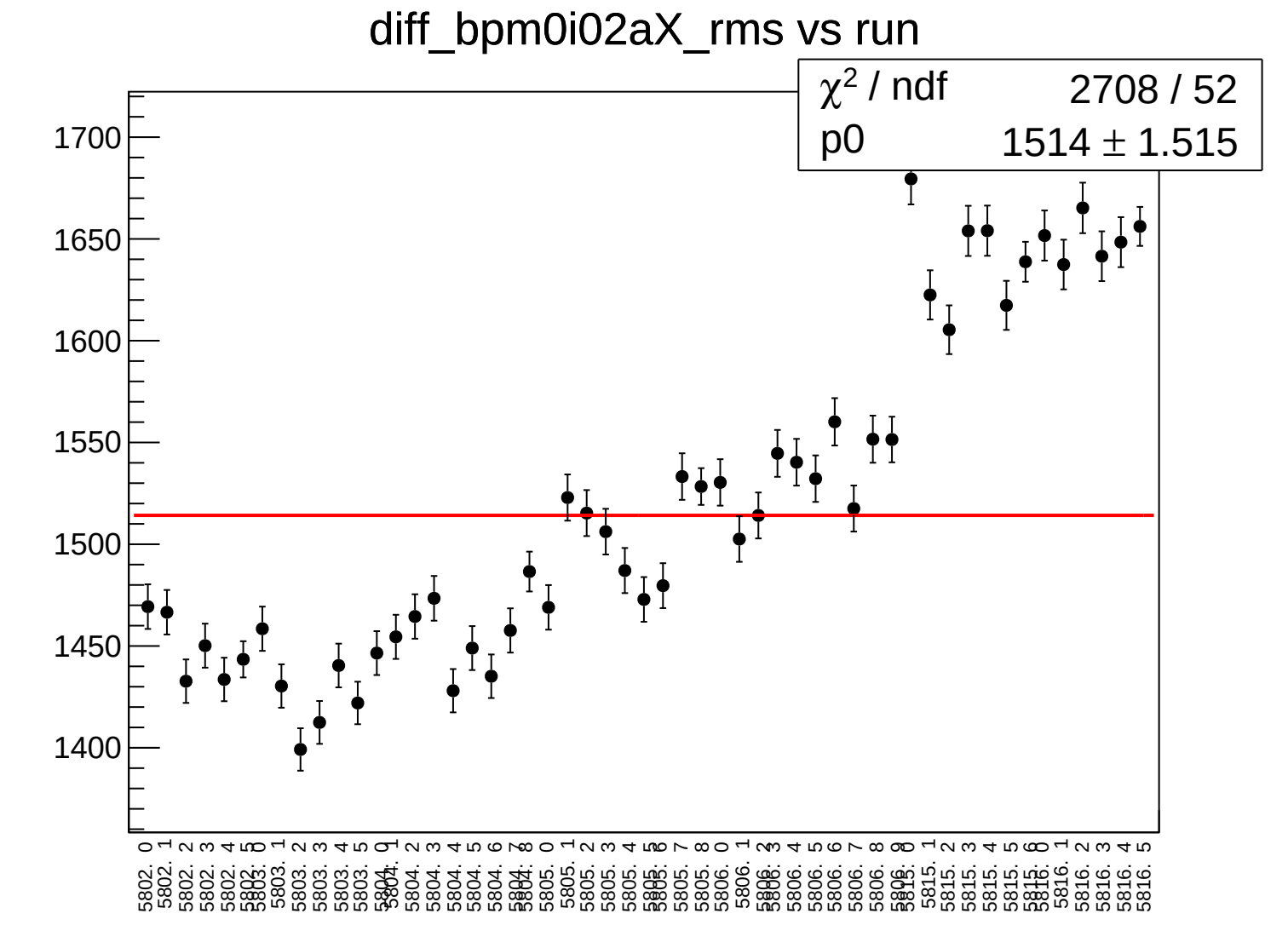

diff_bpm0i02Y_mean vs run
χ² / ndf 136.3 / 52
p0 −22.93 ± 1.742
pull
Entries 53
Mean −19.13
Std Dev 0

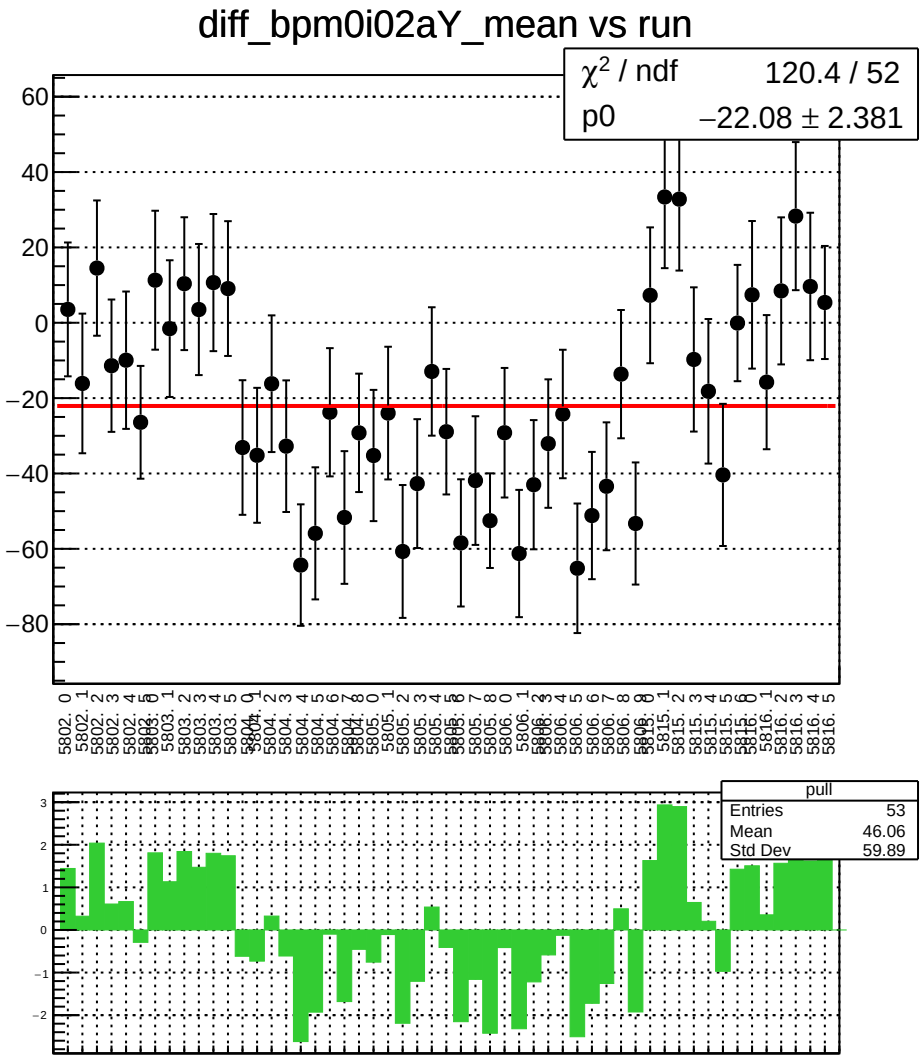

pull1D
Entries 53
Mean −0.00546
Std Dev 1.604

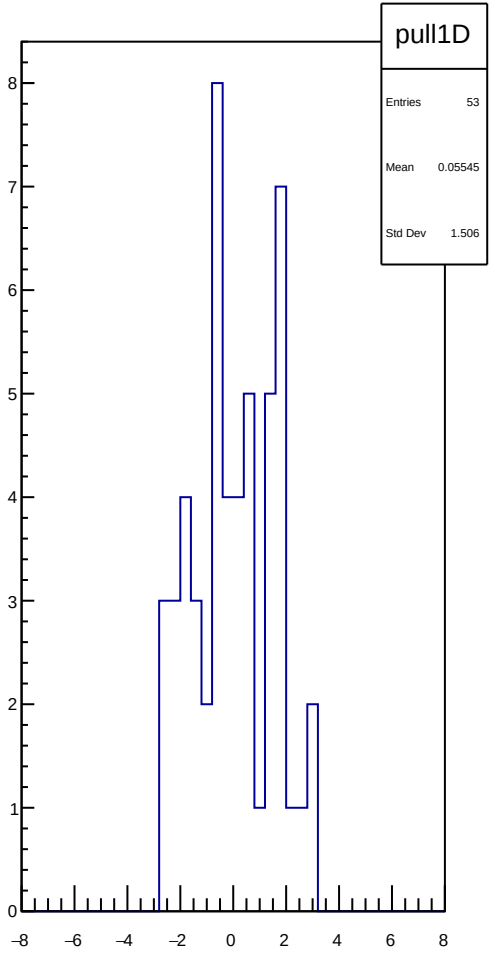

diff_bpm0i02Y_rms vs run
χ² / ndf 588.1 / 52
p0 1232 ± 1.231
1280
1260
1240
1220
1200
1180
1160

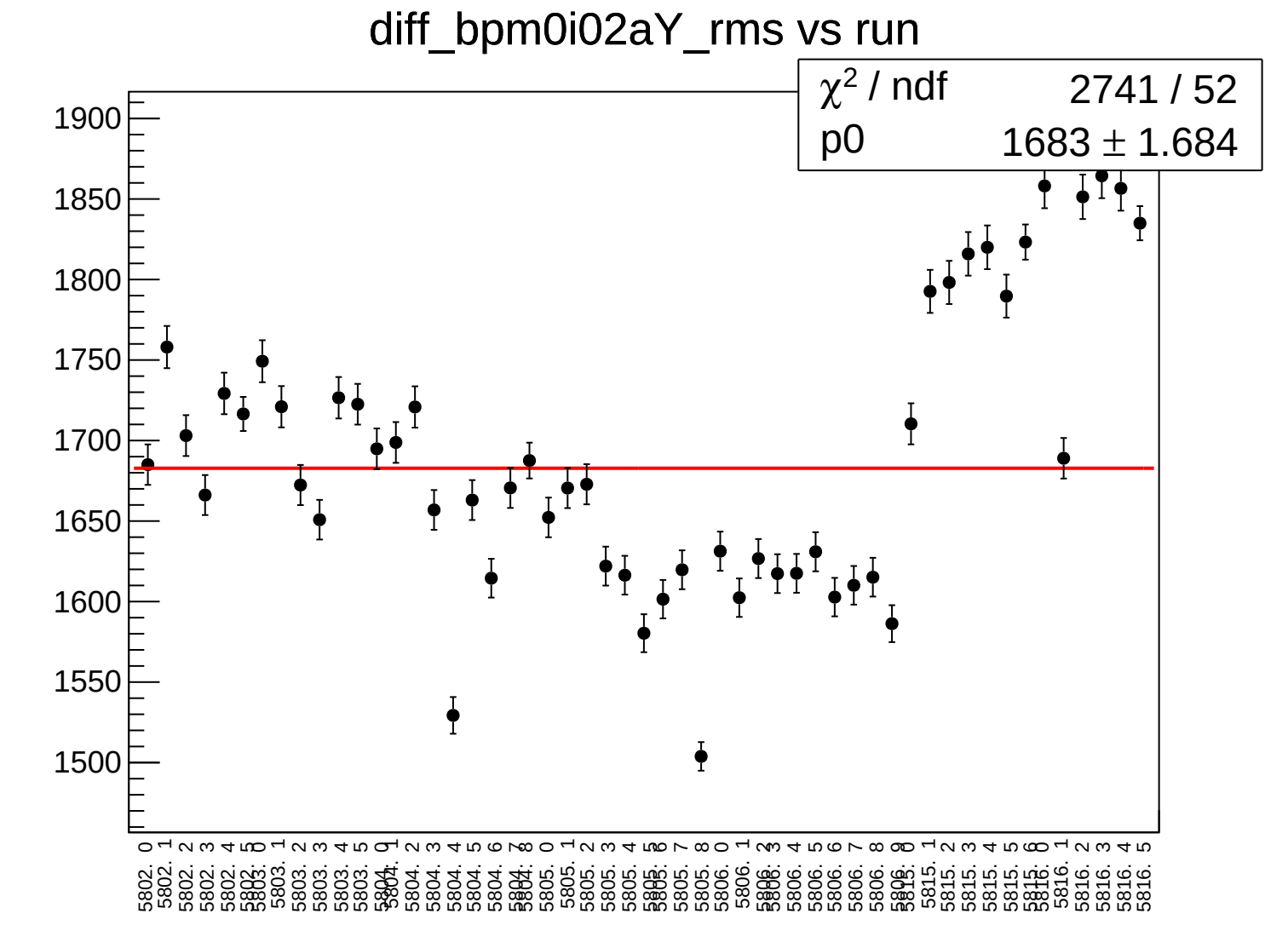

diff_bpm0i02aX_mean vs run
χ² / ndf 60.38 / 52
p0 −113.2 ± 2.143
pull
Entries 53
Mean 421.4
Std Dev 0

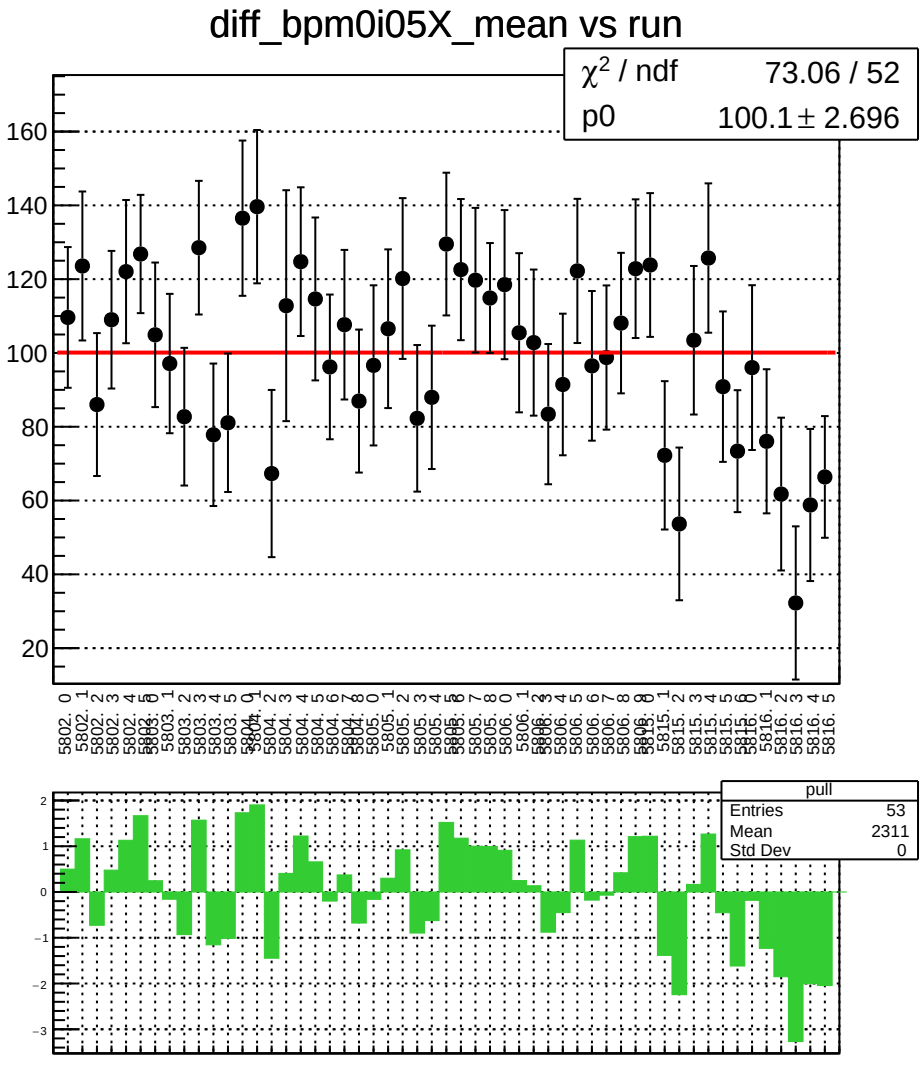

pull1D
Entries 53
Mean 0.01392
Std Dev 1.067

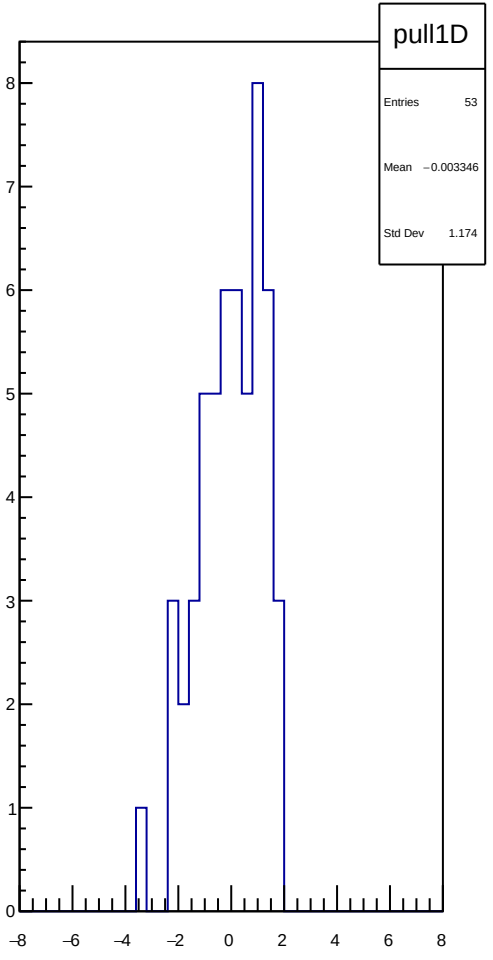

diff_bpm0i02aX_rms vs run
χ² / ndf 2708 / 52
p0 1514 ± 1.515
1700
1650
1600
1550
1500
1450
1400

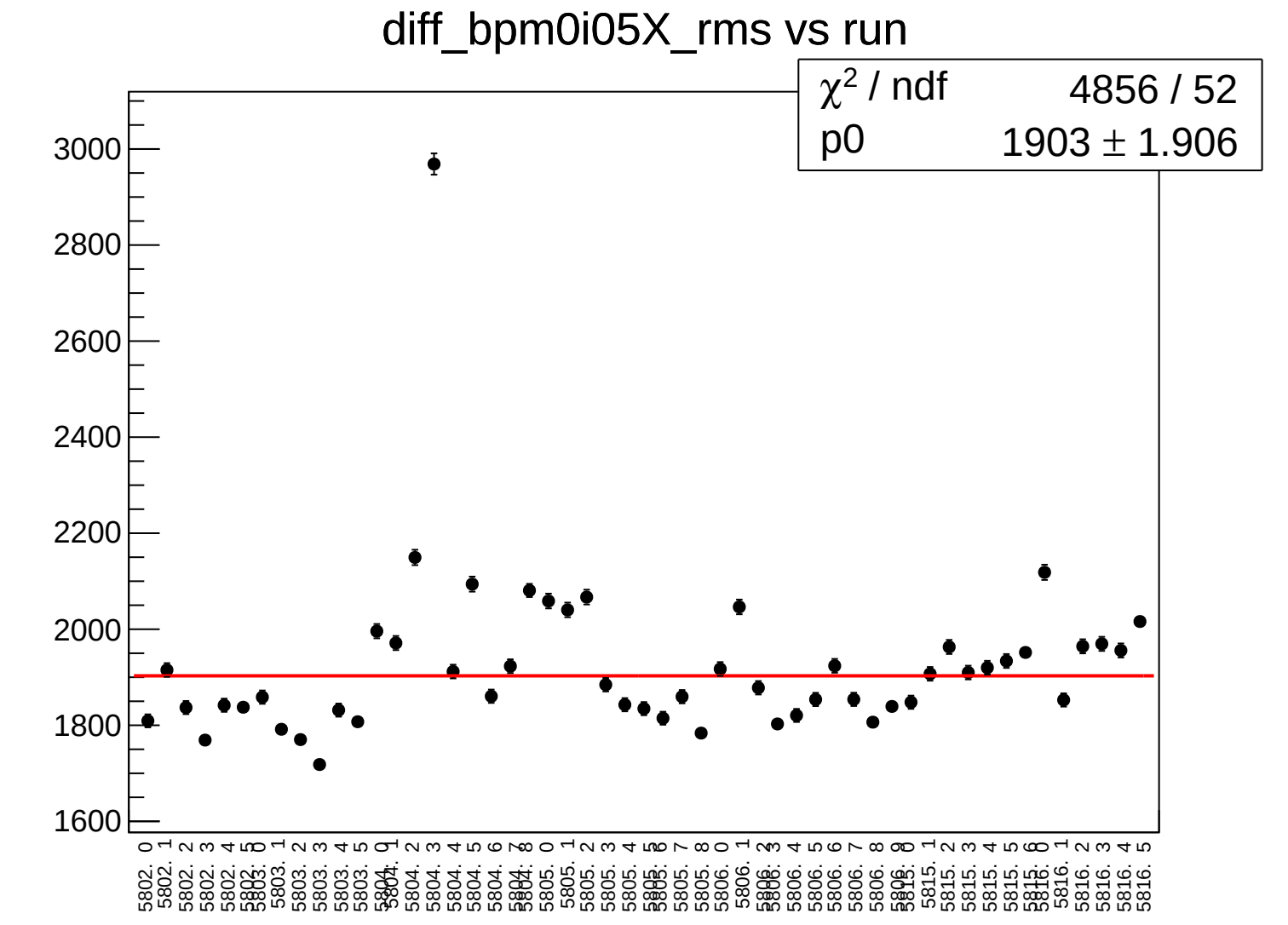

diff_bpm0i02aY_mean vs run
χ² / ndf 120.4 / 52
p0 −22.08 ± 2.381
pull
Entries 53
Mean 46.06
Std Dev 59.89

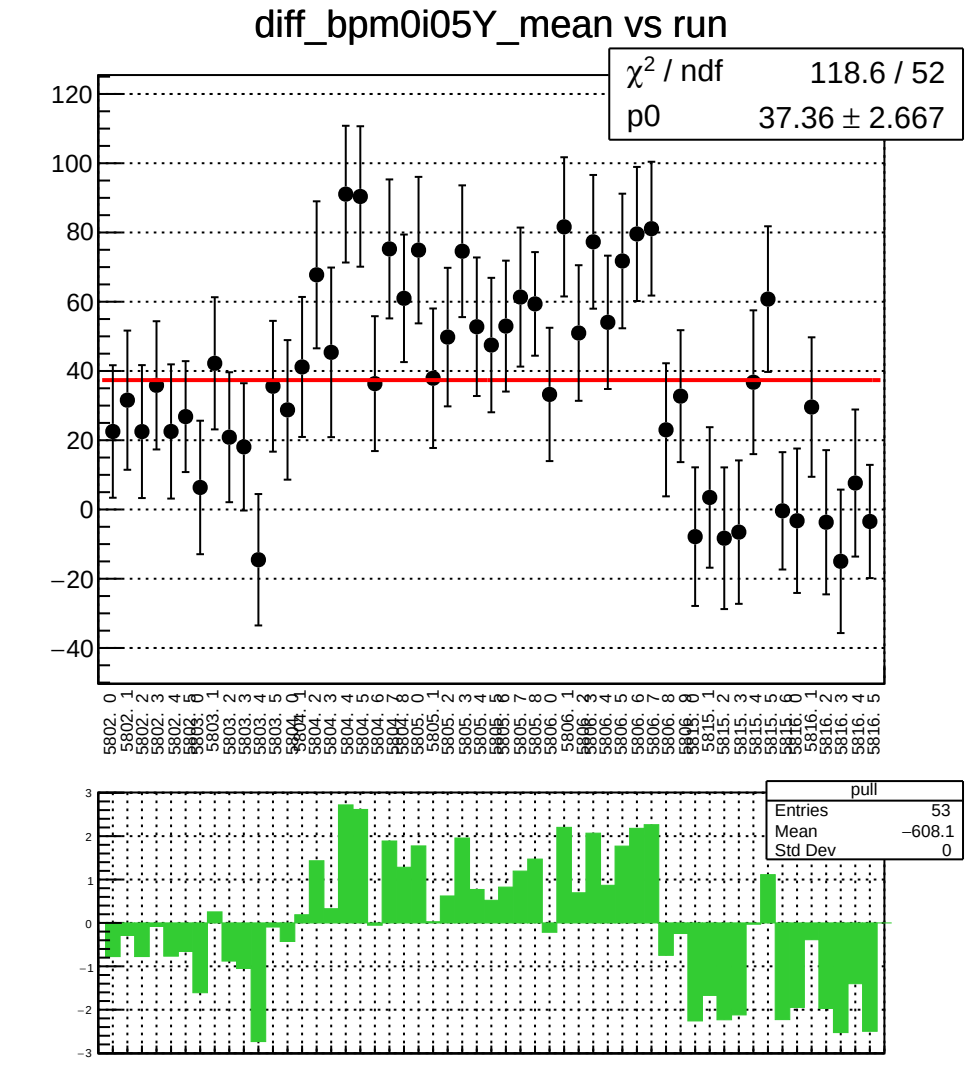

pull1D
Entries 53
Mean 0.05545
Std Dev 1.506

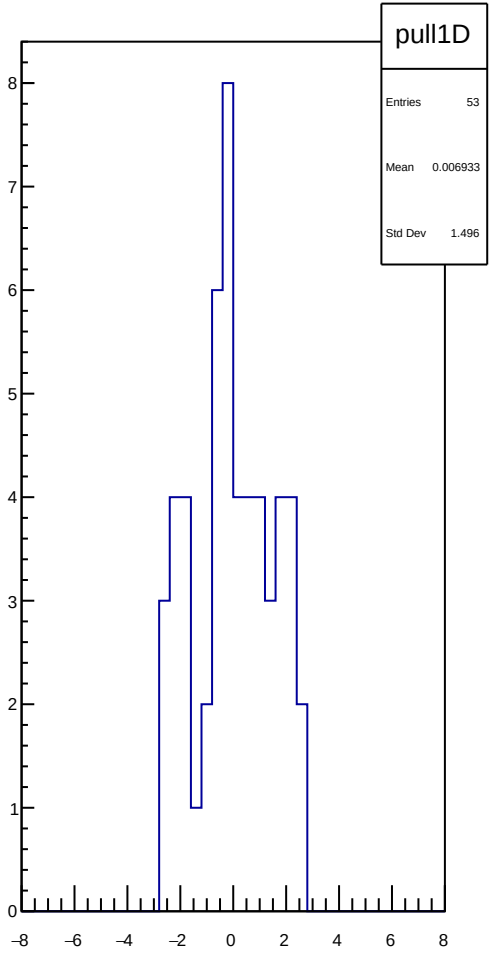

diff_bpm0i02aY_rms vs run
χ² / ndf 2741 / 52
p0 1683 ± 1.684
1900
1850
1800
1750
1700
1650
1600
1550
1500

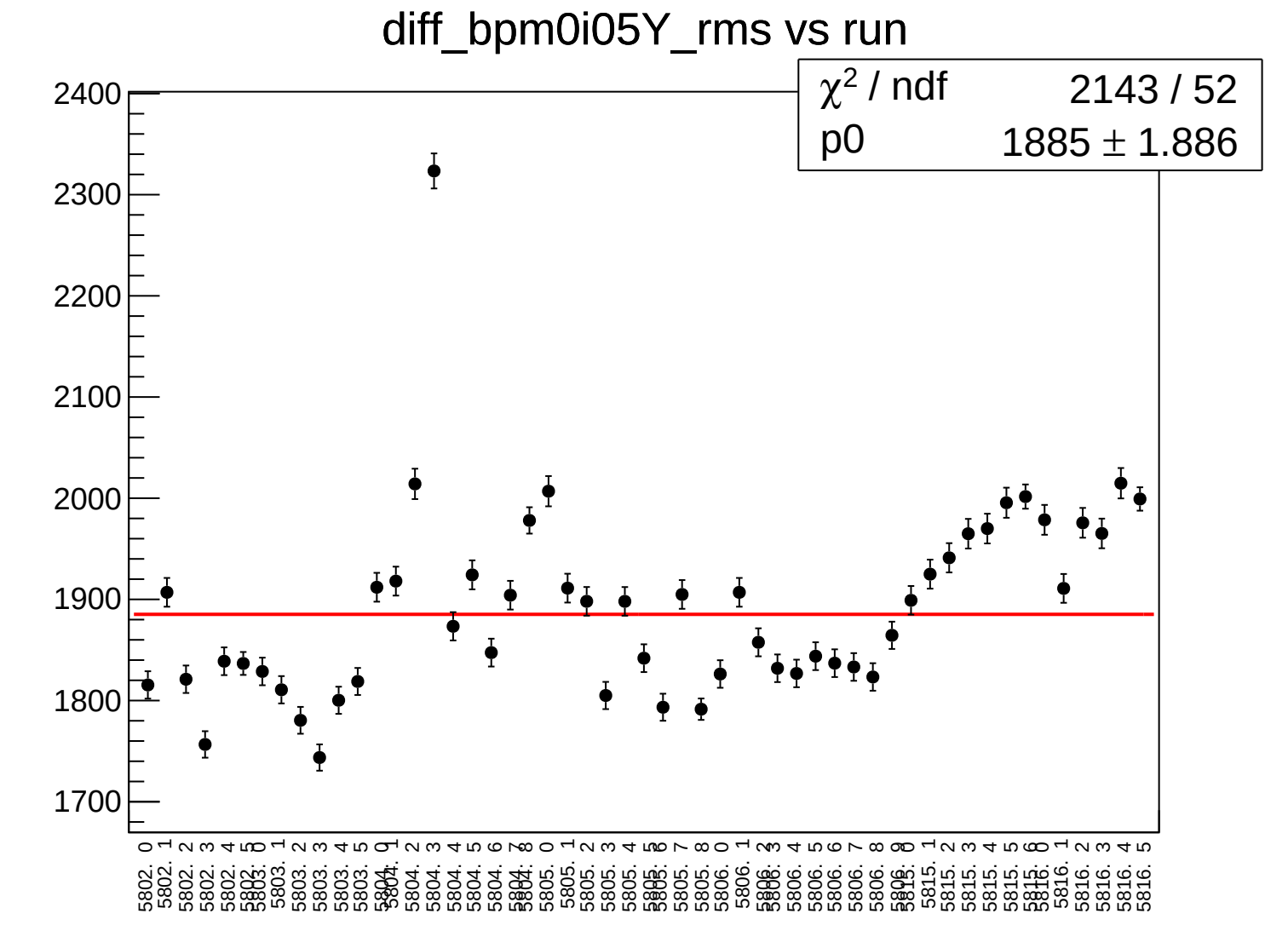

diff_bpm0i05X_mean vs run
χ² / ndf 73.06 / 52
p0 100.1 ± 2.696
pull
Entries 53
Mean 2311
Std Dev 0

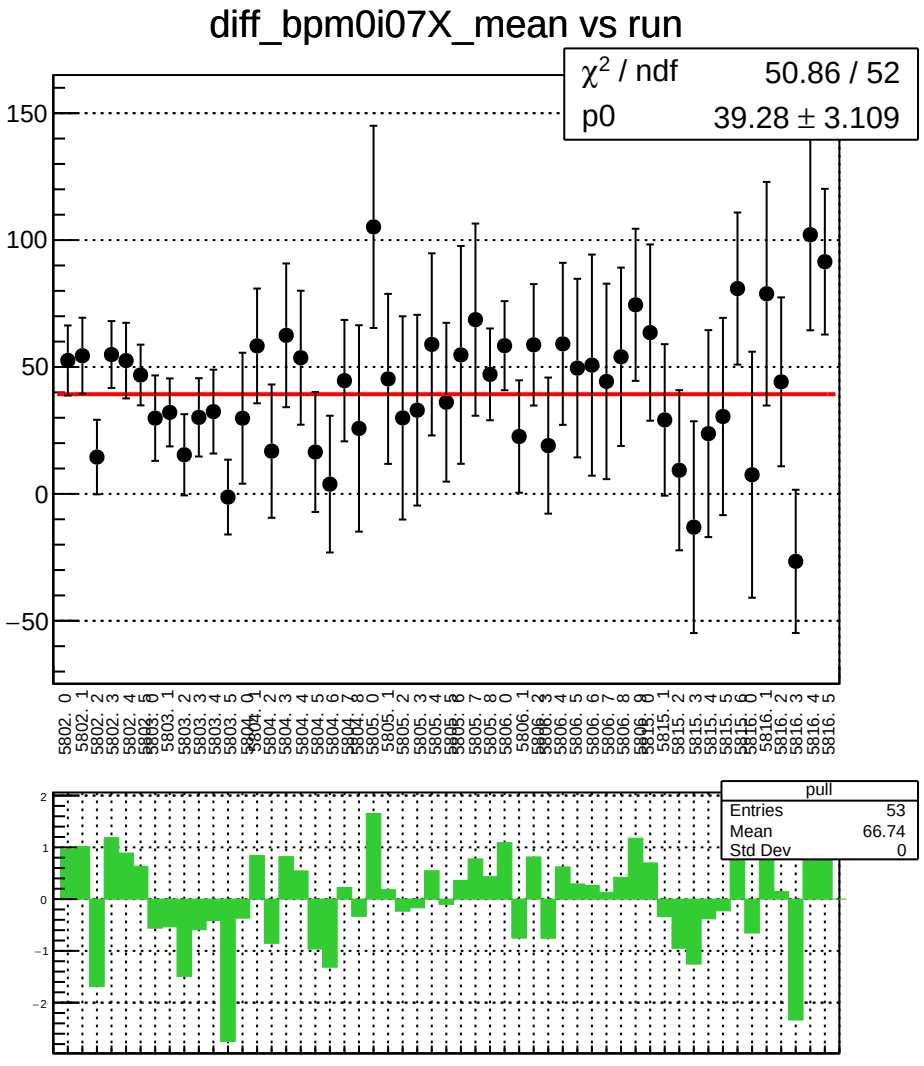

pull1D
Entries 53
Mean −0.003346
Std Dev 1.174

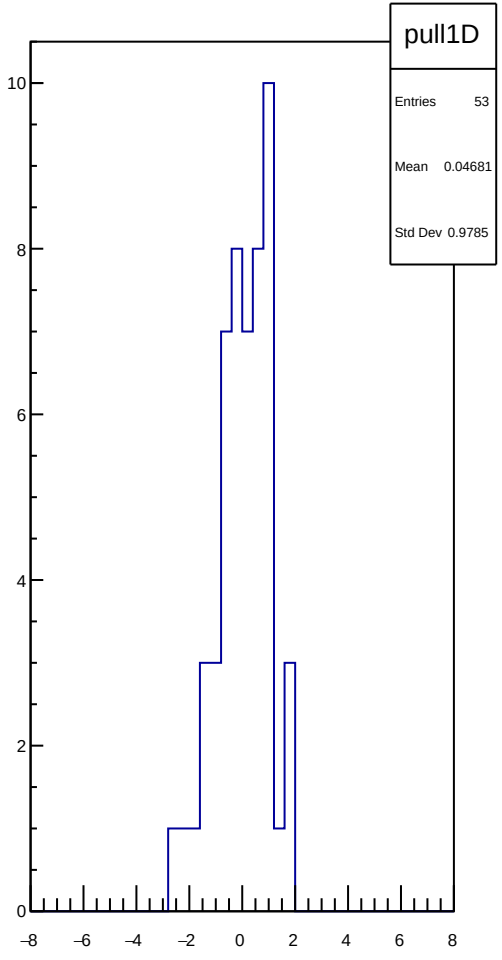

diff_bpm0i05X_rms vs run
χ² / ndf 4856 / 52
p0 1903 ± 1.906
3000
2800
2600
2400
2200
2000
1800
1600

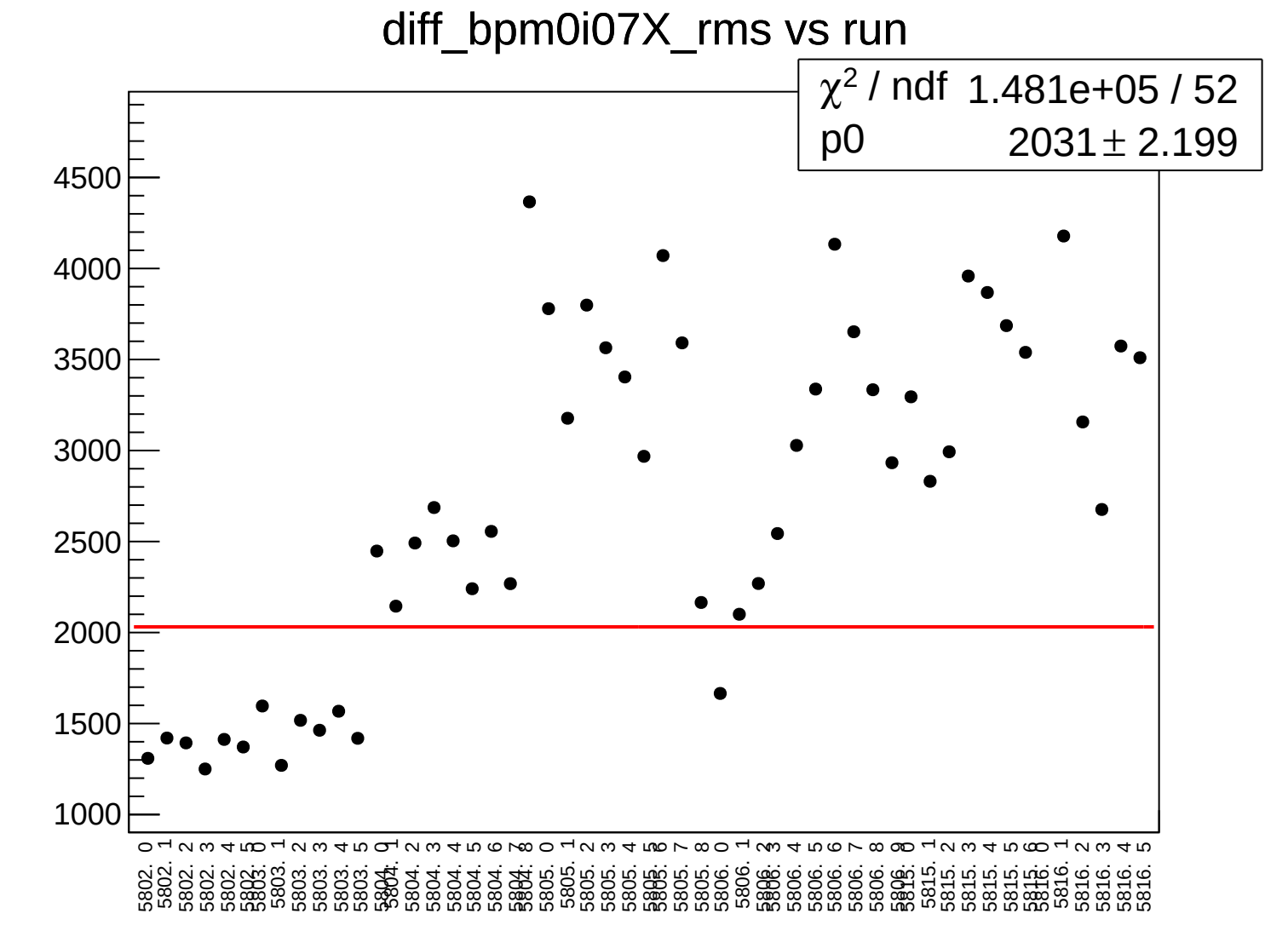

diff_bpm0i05Y_mean vs run
χ² / ndf 118.6 / 52
p0 37.36 ± 2.667
pull
Entries 53
Mean −608.1
Std Dev 0

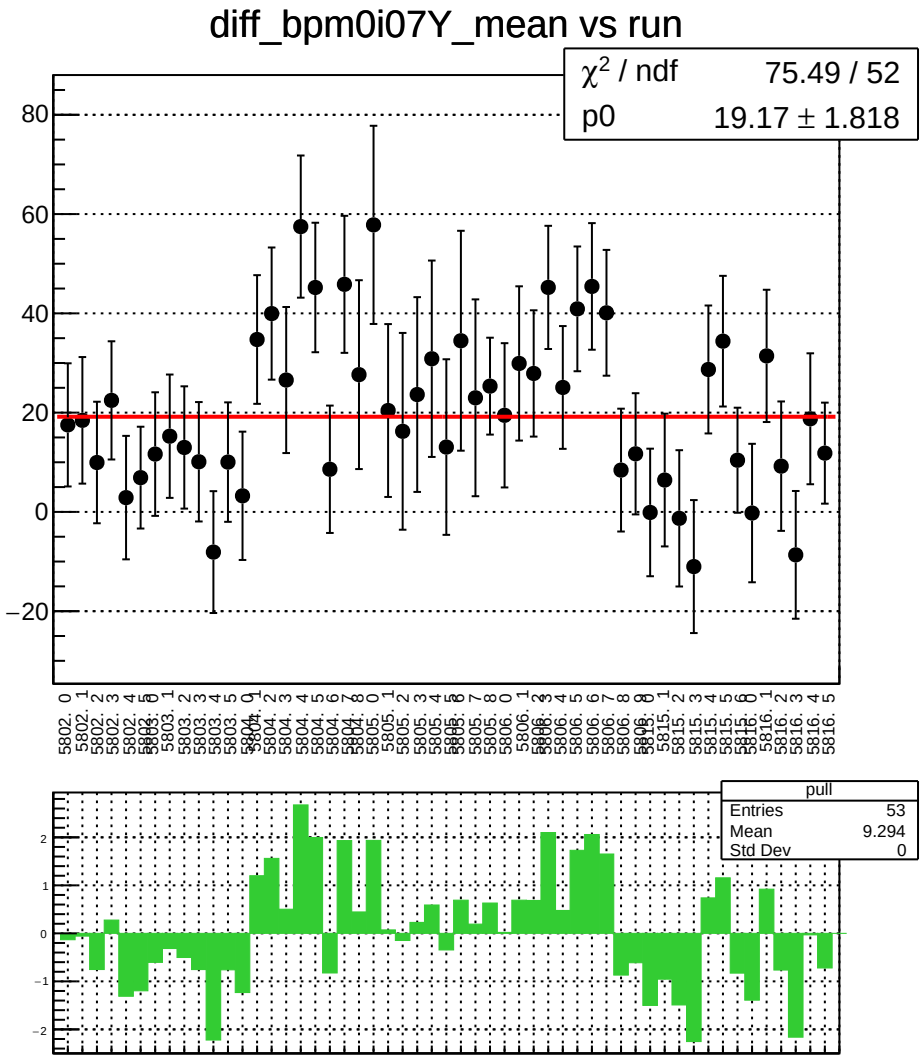

pull1D
Entries 53
Mean 0.006933
Std Dev 1.496

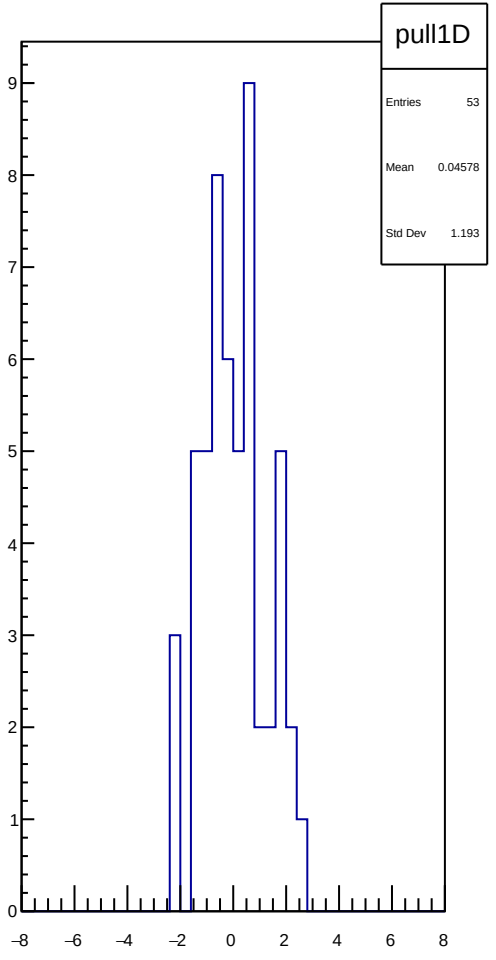

diff_bpm0i05Y_rms vs run
χ² / ndf 2143 / 52
p0 1885 ± 1.886
2400
2300
2200
2100
2000
1900
1800
1700

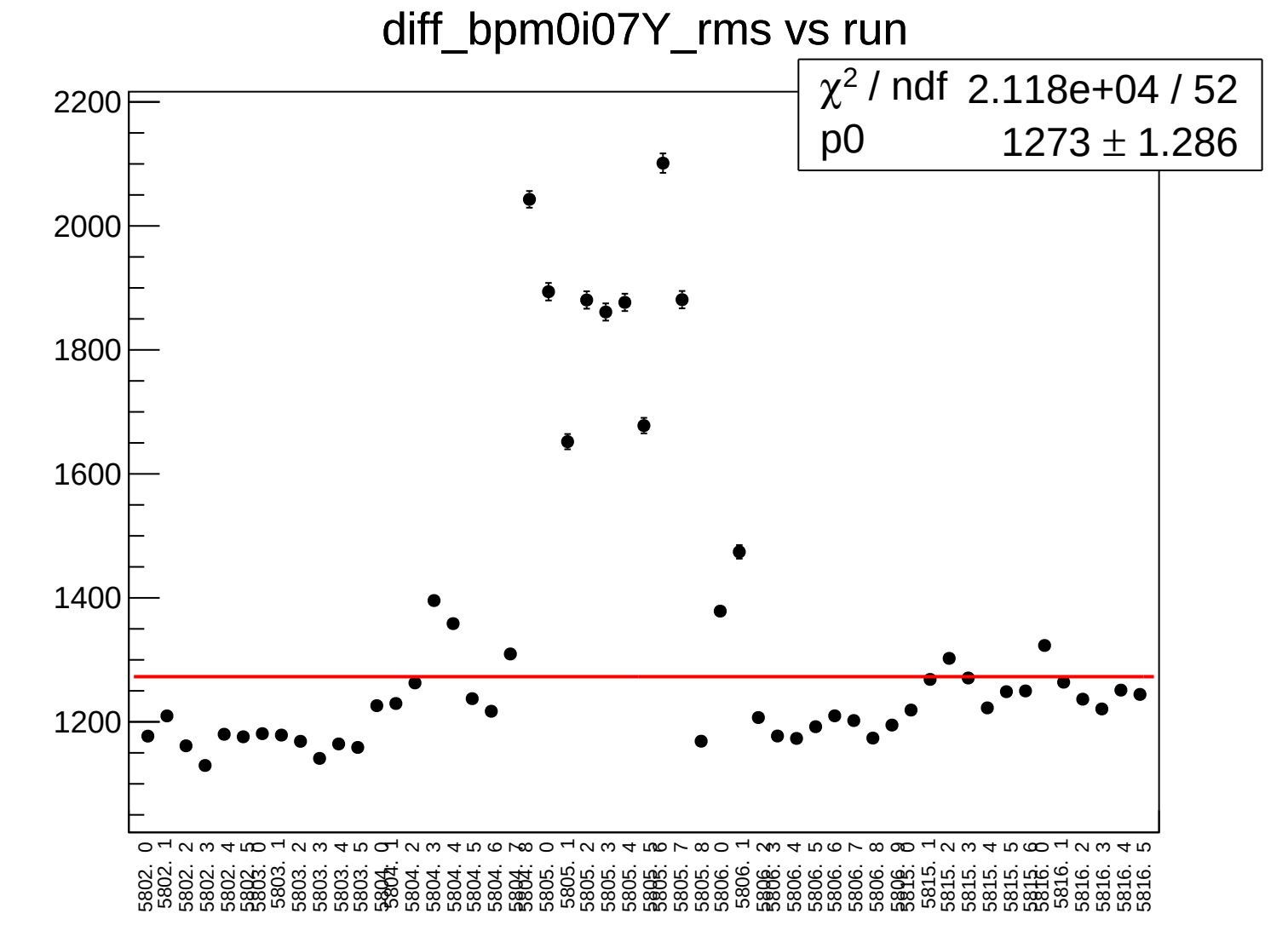

diff_bpm0i07X_mean vs run
χ^2 / ndf 50.86 / 52
p0 39.28 ± 3.109
150
100
50
0
−50
pull
Entries 53
Mean 66.74
Std Dev 0
2
1
0
−1
−2

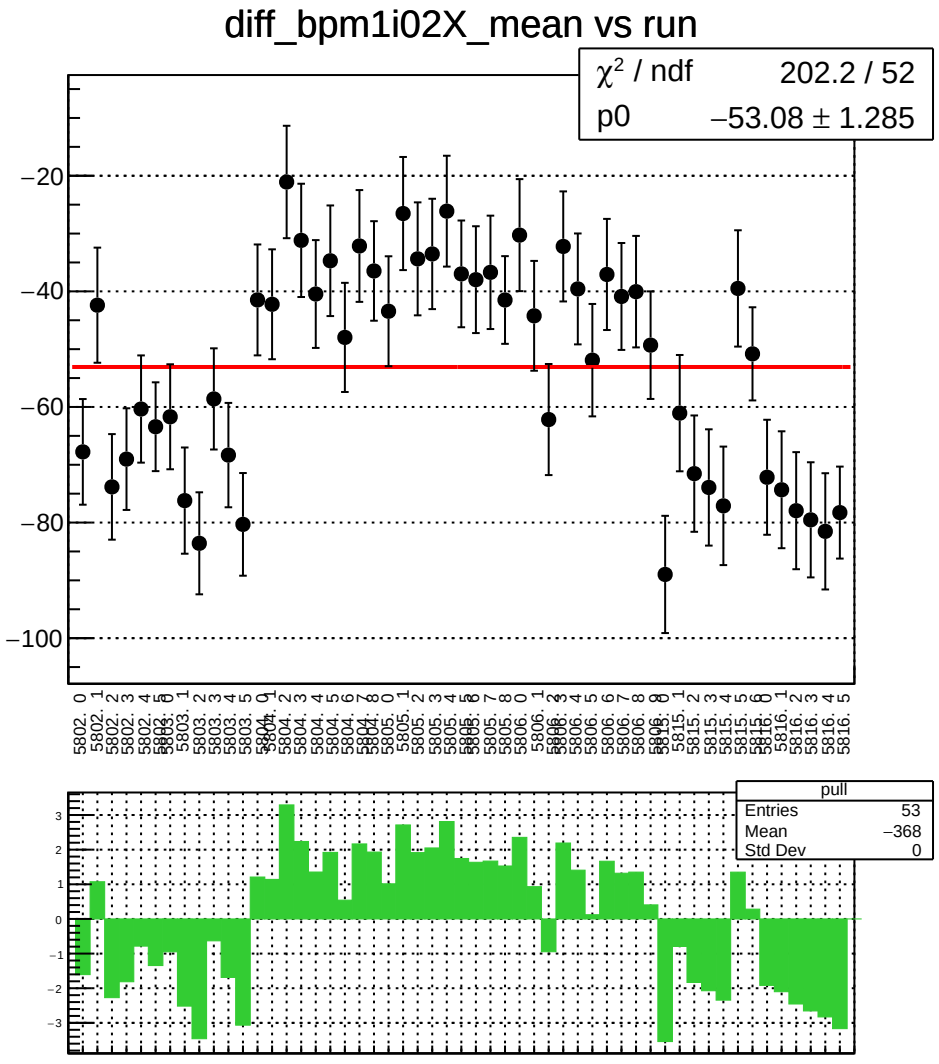

pull1D
Entries 53
Mean 0.04681
Std Dev 0.9785
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

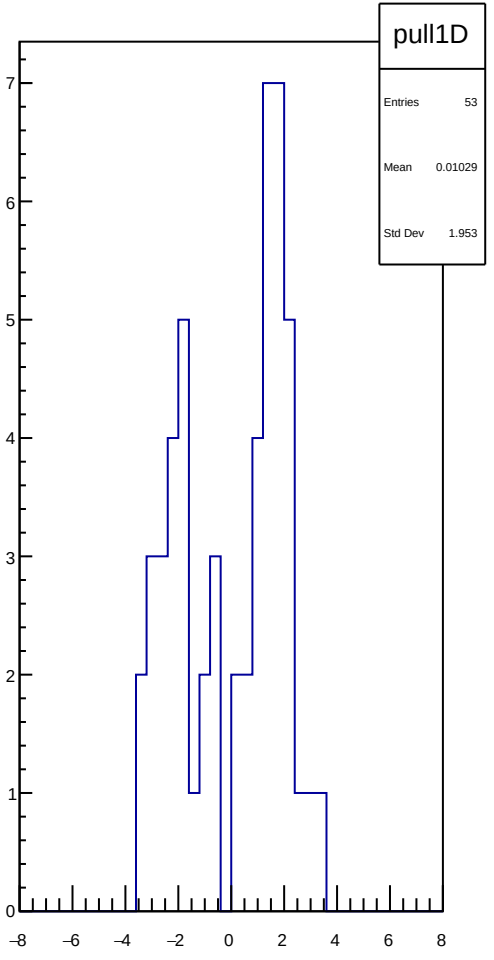

diff_bpm0i07X_rms vs run
χ^2 / ndf 1.481e+05 / 52
p0 2031 ± 2.199
4500
4000
3500
3000
2500
2000
1500
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

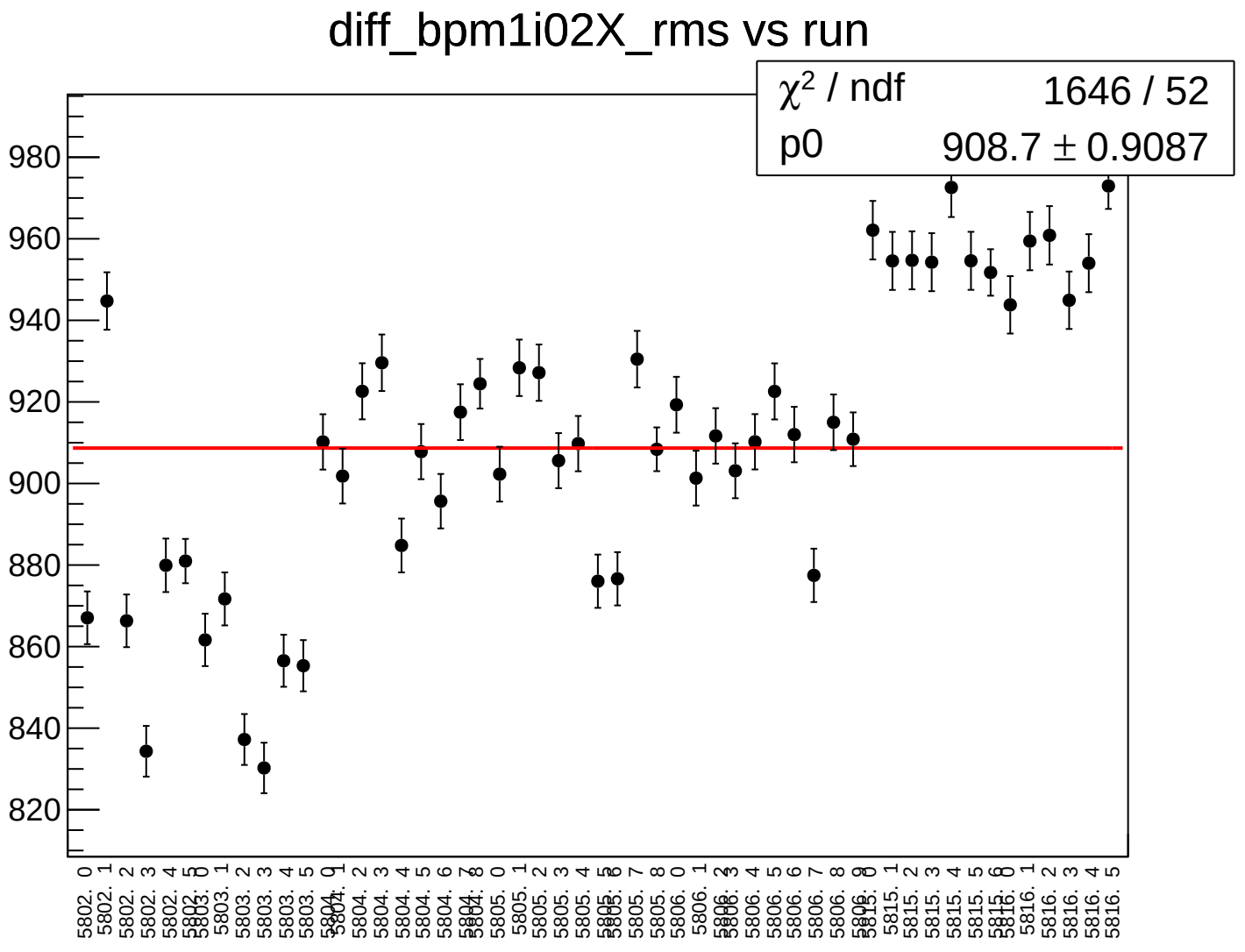

diff_bpm0i07Y_mean vs run
χ² / ndf 75.49 / 52
p0 19.17 ± 1.818
pull
Entries 53
Mean 9.294
Std Dev 0

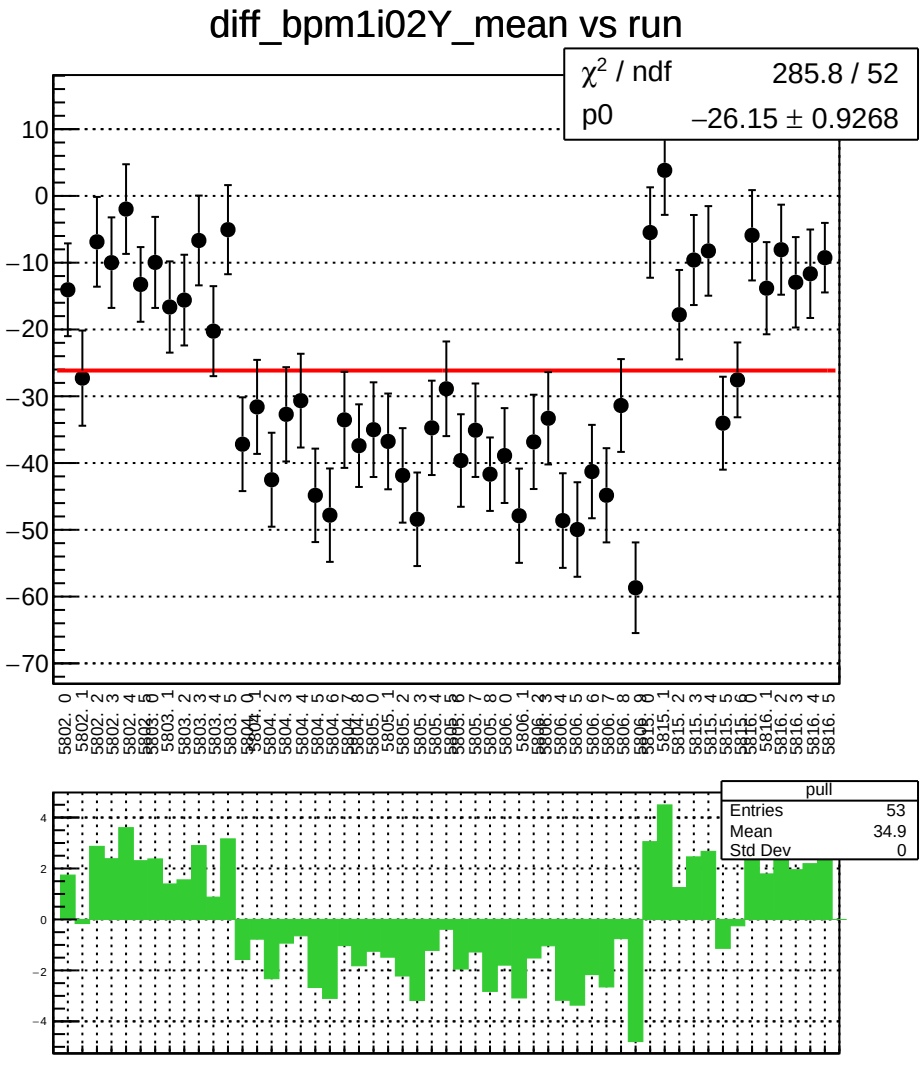

pull1D
Entries 53
Mean 0.04578
Std Dev 1.193

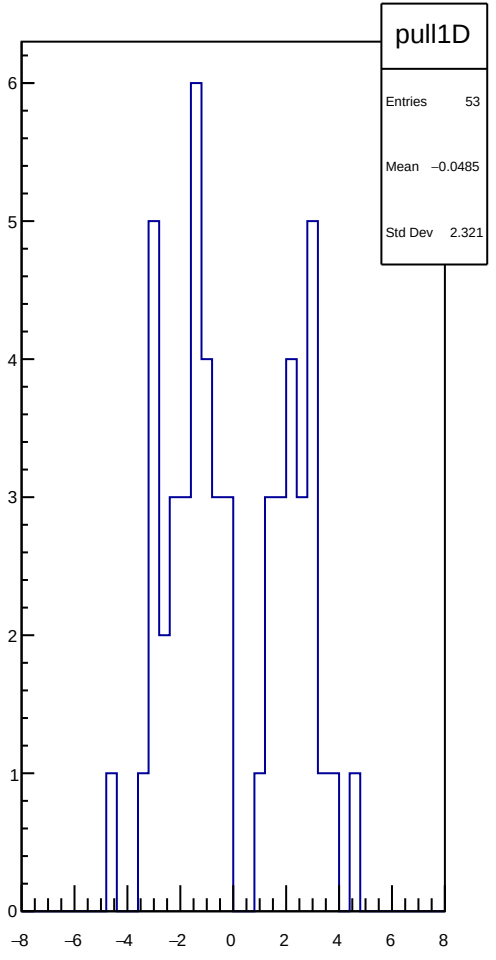

diff_bpm0i07Y_rms vs run
χ² / ndf 2.118e+04 / 52
p0 1273 ± 1.286
2200
2000
1800
1600
1400
1200

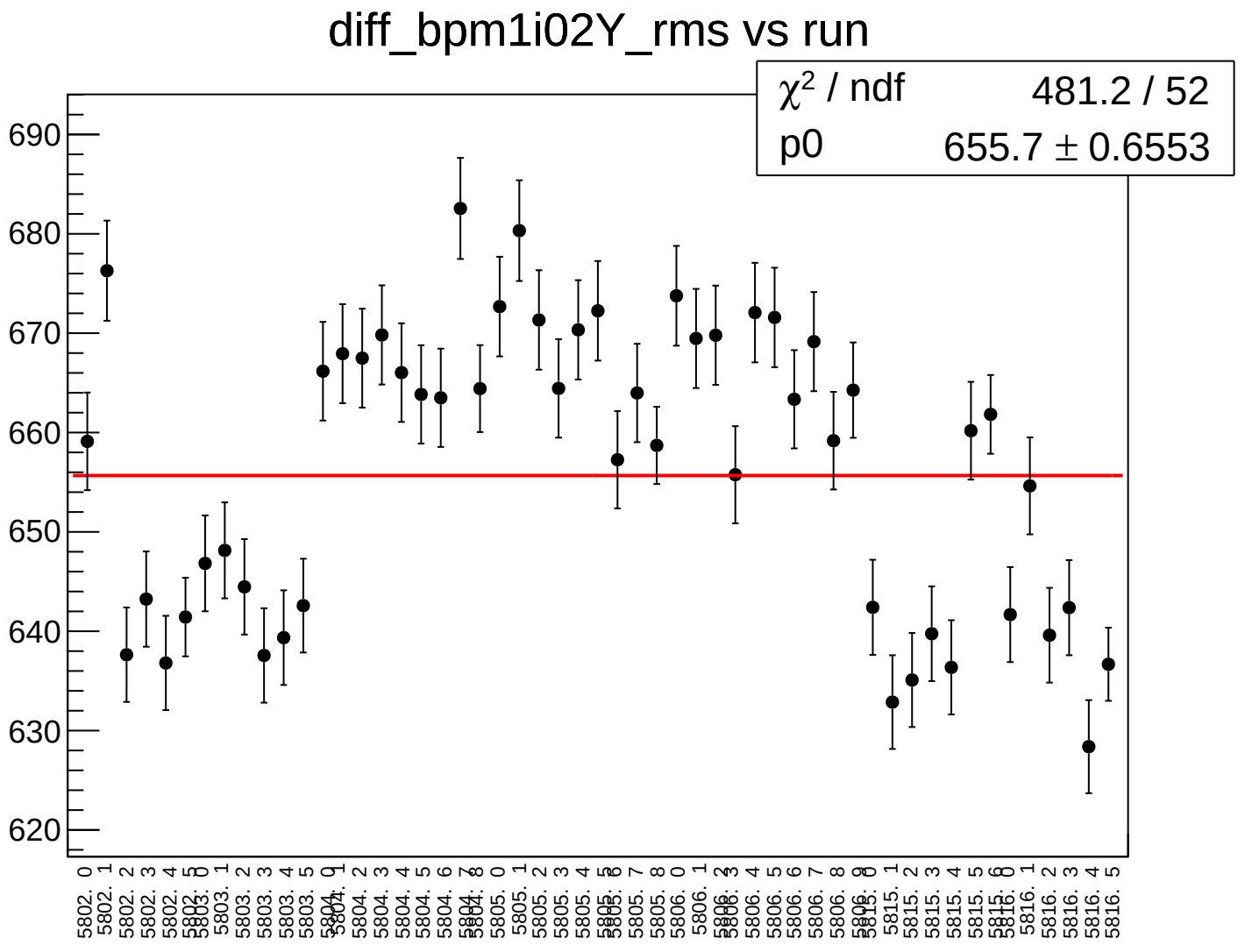

diff_bpm1i02X_mean vs run
χ² / ndf 202.2 / 52
p0 −53.08 ± 1.285
pull
Entries 53
Mean −368
Std Dev 0

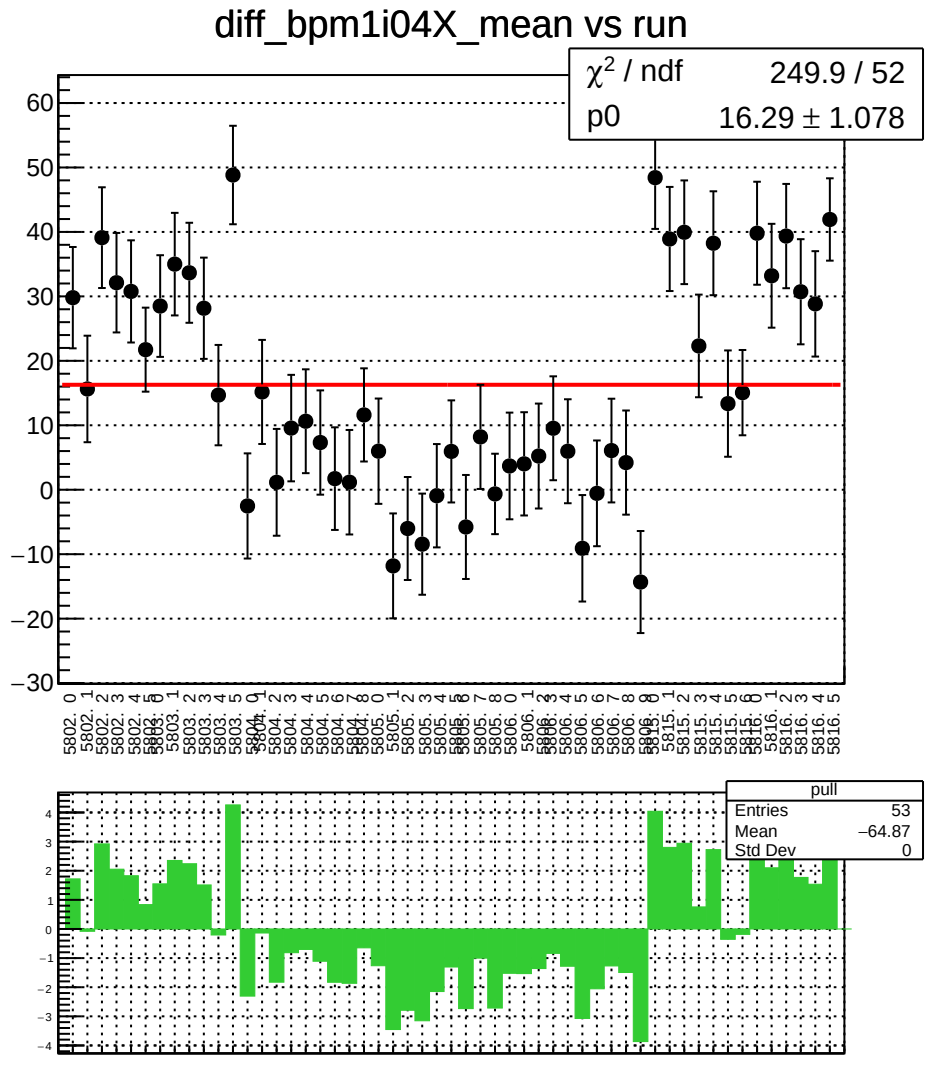

pull1D
Entries 53
Mean 0.01029
Std Dev 1.953

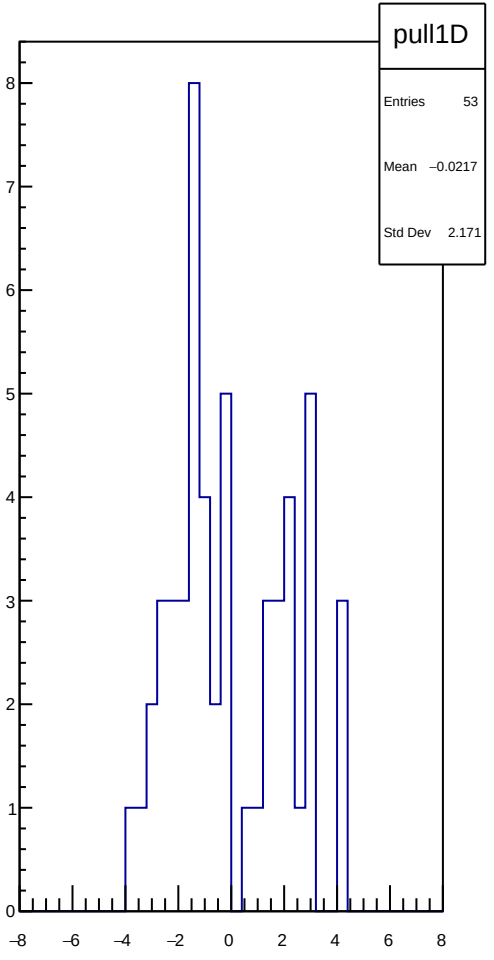

diff_bpm1i02X_rms vs run
χ² / ndf 1646 / 52
p0 908.7 ± 0.9087
980
960
940
920
900
880
860
840
820

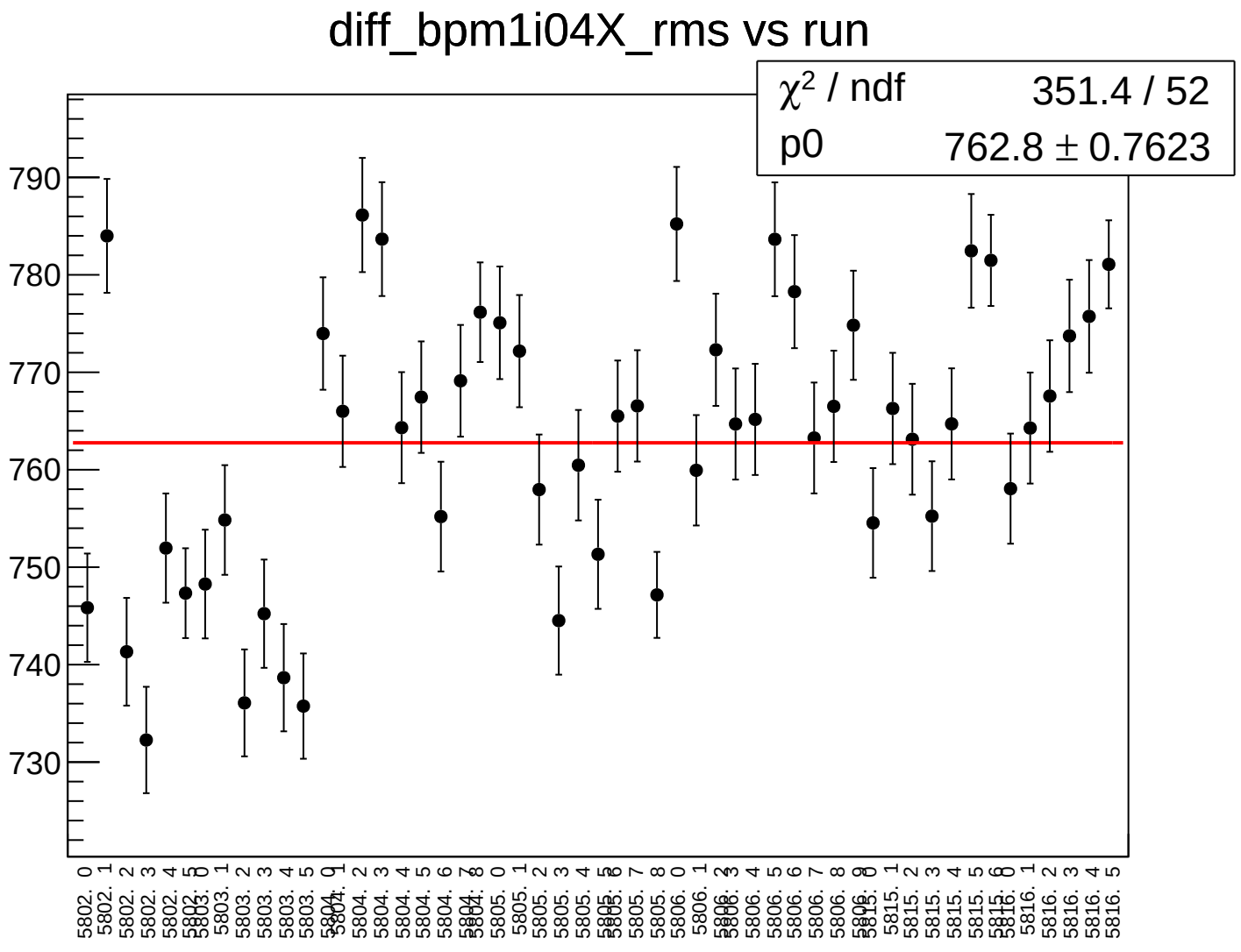

diff_bpm1i02Y_mean vs run
χ² / ndf 285.8 / 52
p0 −26.15 ± 0.9268
pull
Entries 53
Mean 34.9
Std Dev 0

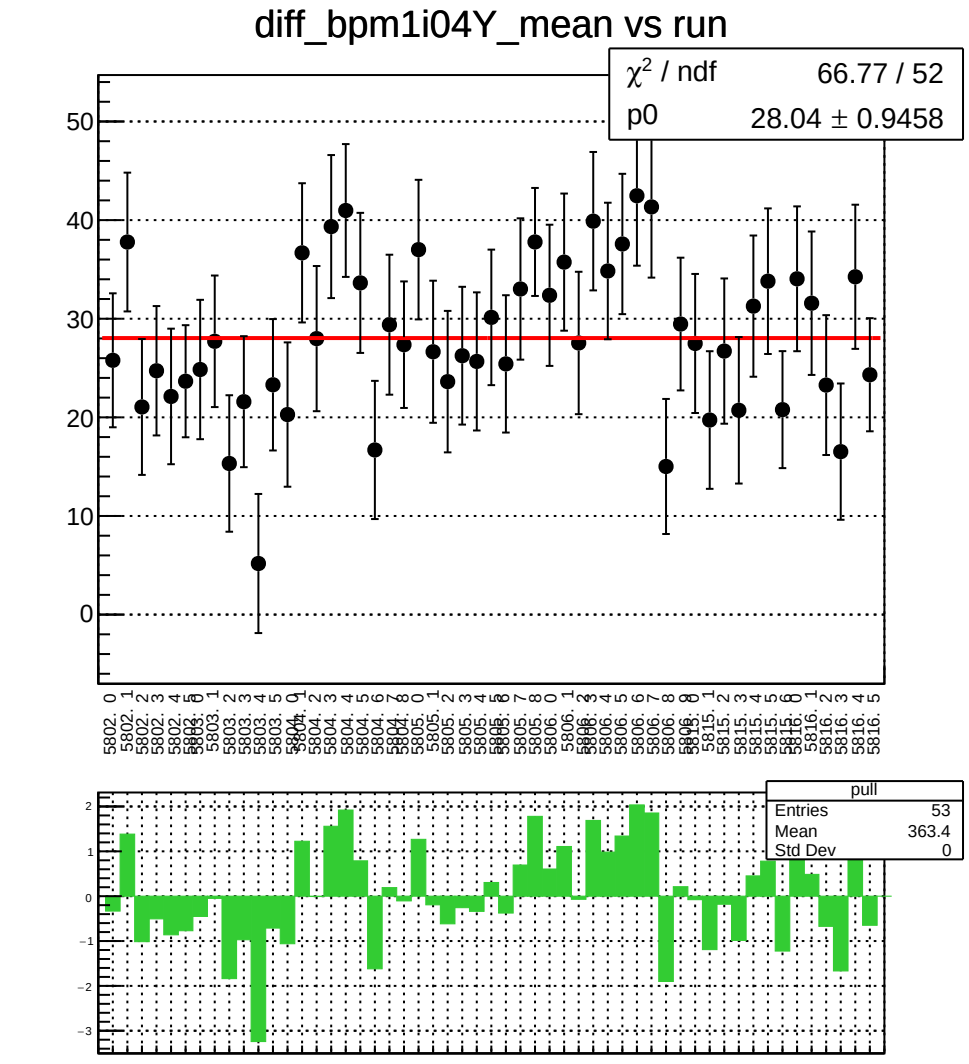

pull1D
Entries 53
Mean −0.0485
Std Dev 2.321

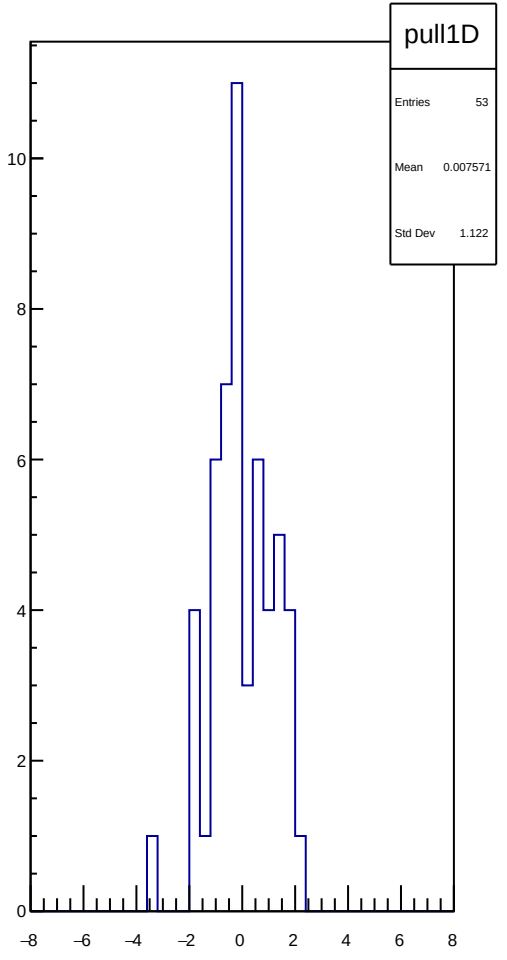

diff_bpm1i02Y_rms vs run
χ² / ndf 481.2 / 52
p0 655.7 ± 0.6553
690
680
670
660
650
640
630
620

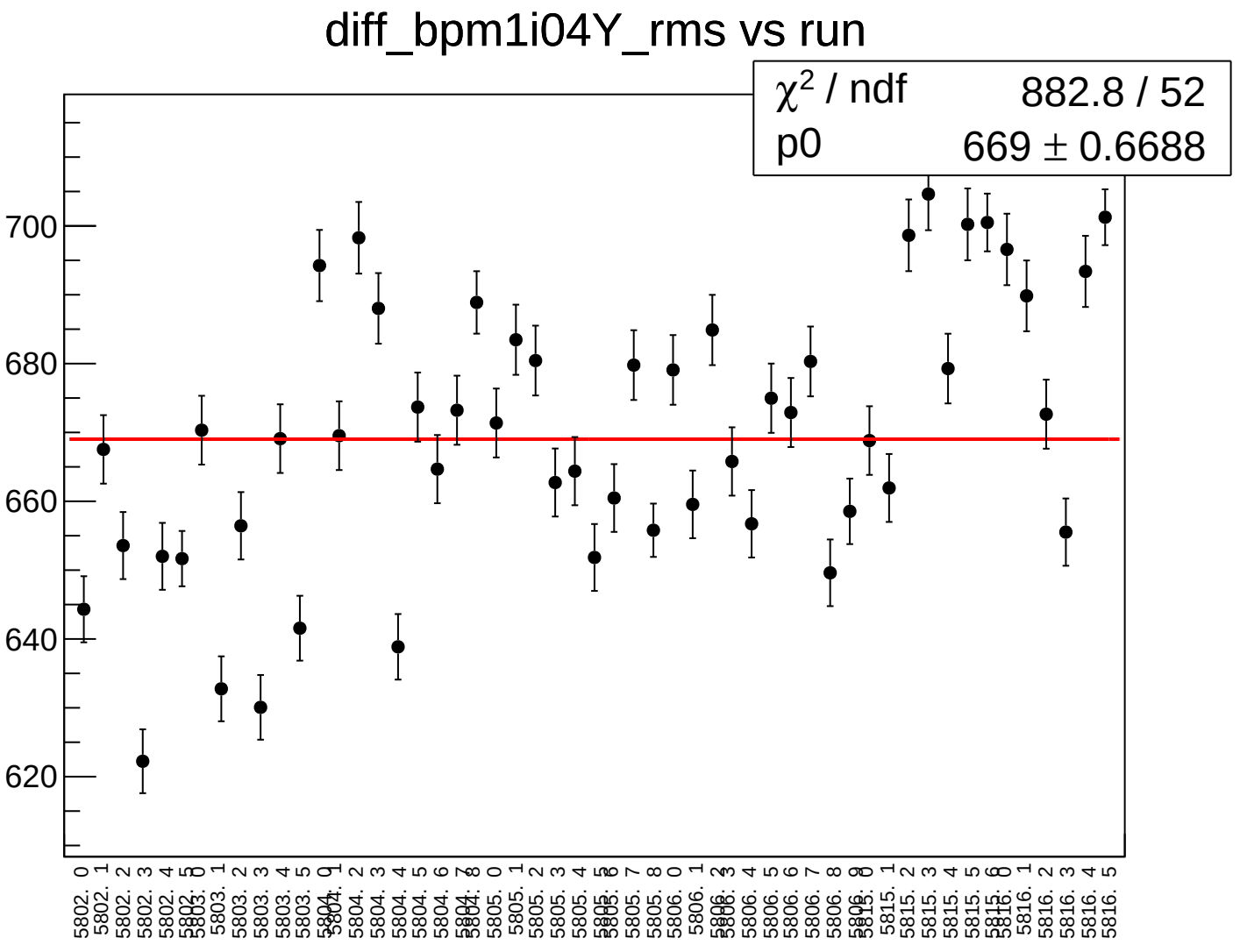

diff_bpm1i04X_mean vs run
χ² / ndf 249.9 / 52
p0 16.29 ± 1.078
pull
Entries 53
Mean −64.87
Std Dev 0

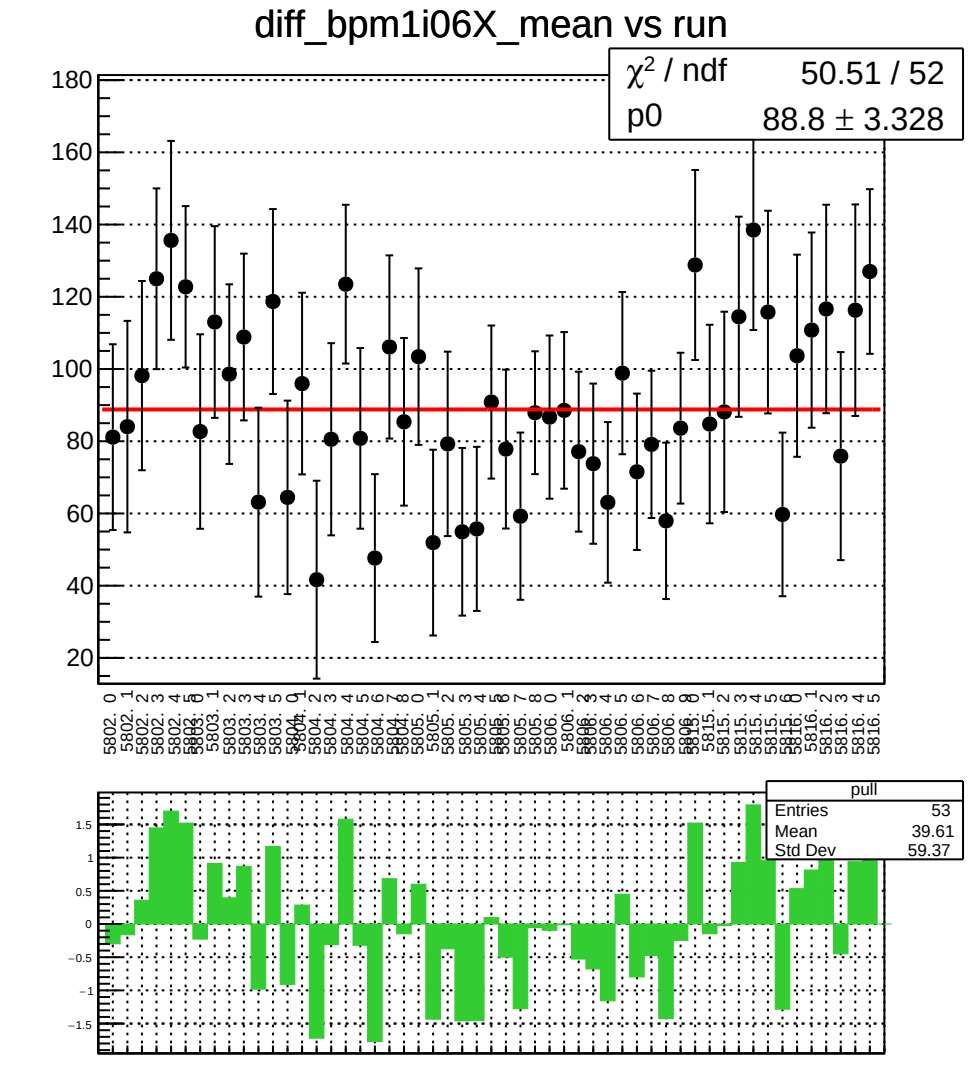

pull1D
Entries 53
Mean −0.0217
Std Dev 2.171

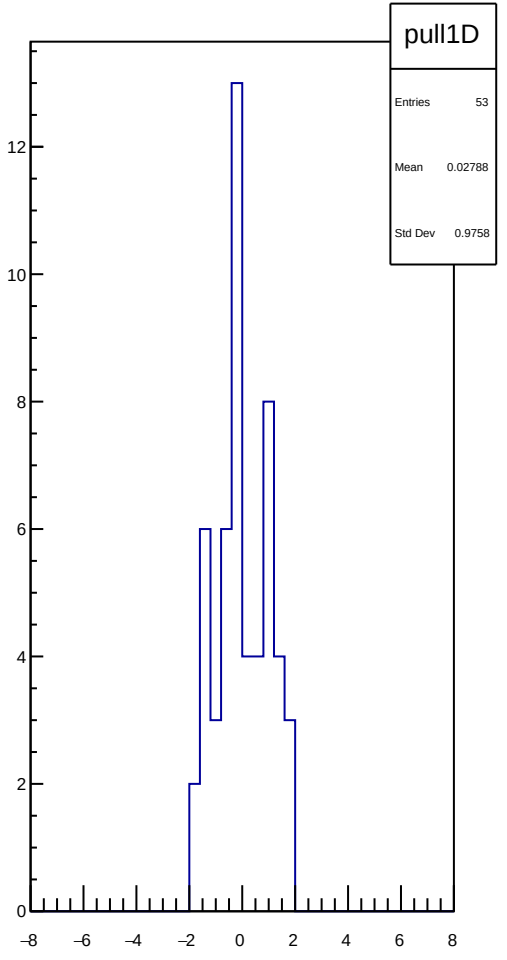

diff_bpm1i04X_rms vs run
χ² / ndf 351.4 / 52
p0 762.8 ± 0.7623
790
780
770
760
750
740
730

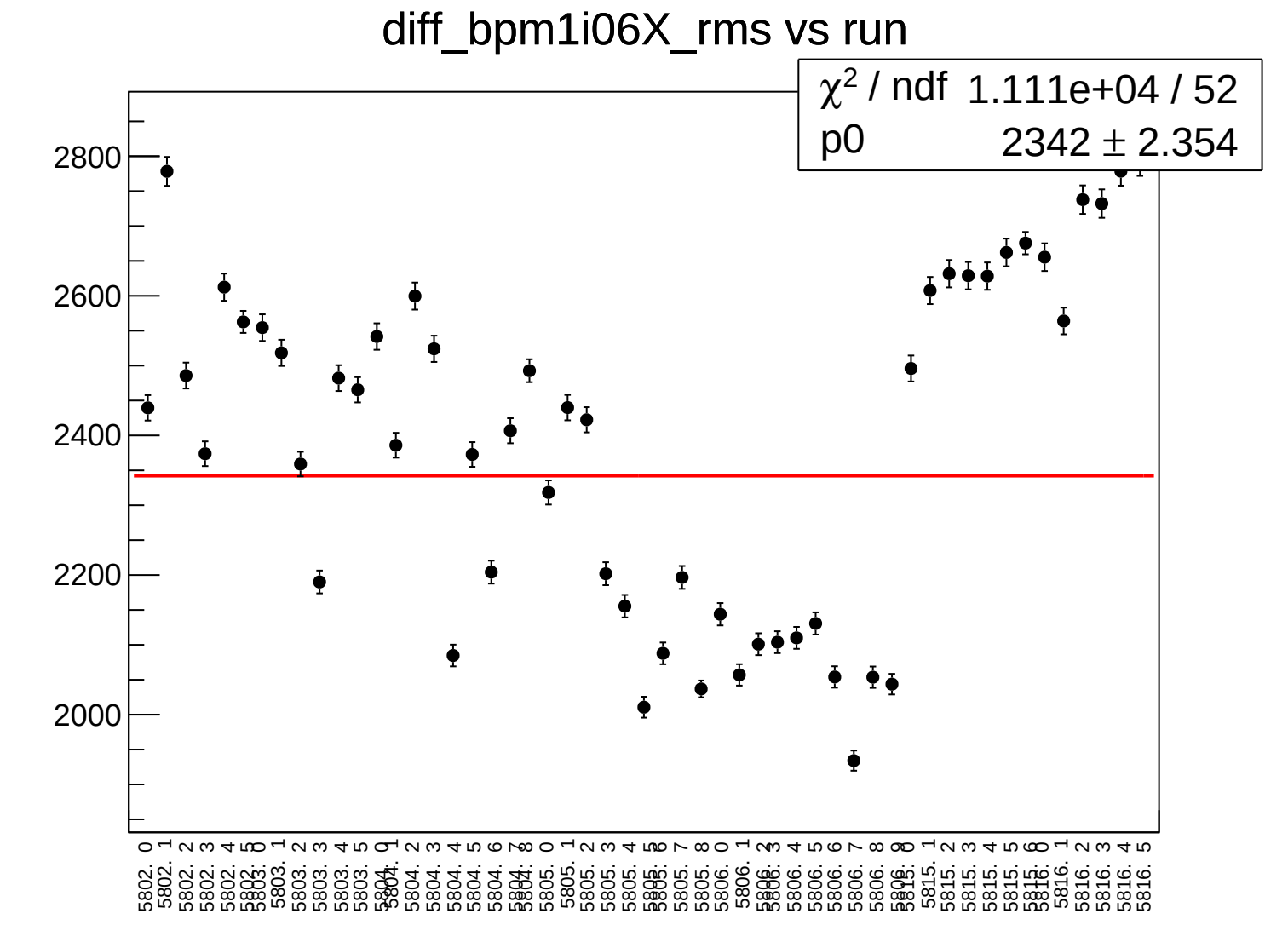

diff_bpm1i04Y_mean vs run
χ² / ndf 66.77 / 52
p0 28.04 ± 0.9458
pull
Entries 53
Mean 363.4
Std Dev 0

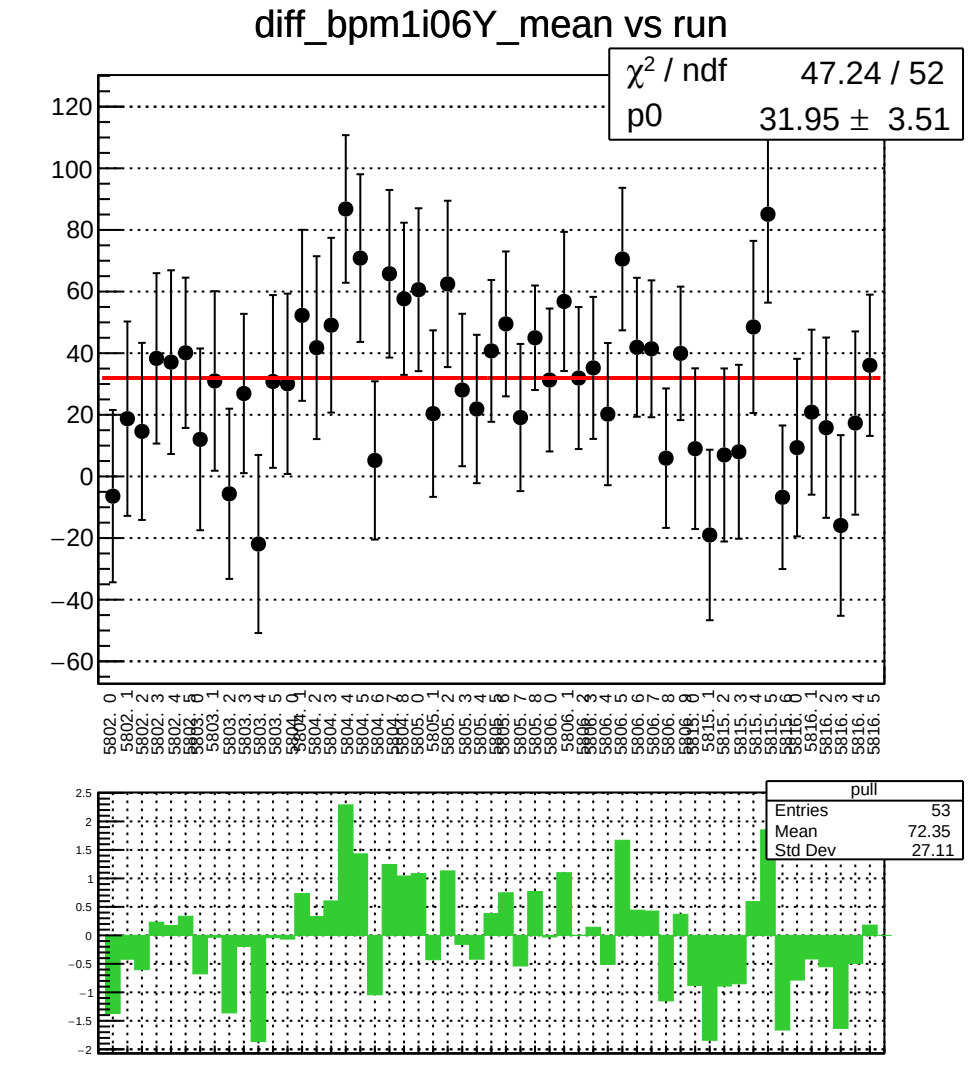

pull1D
Entries 53
Mean 0.007571
Std Dev 1.122

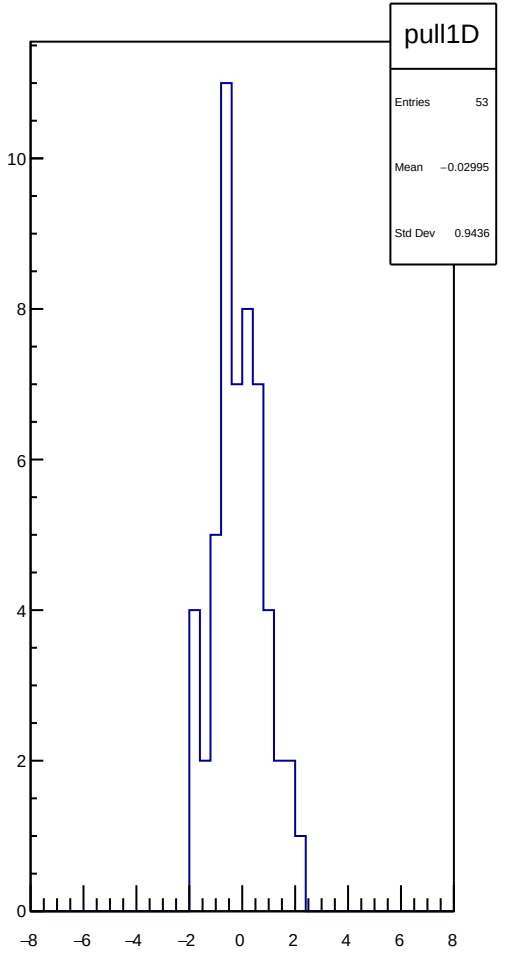

diff_bpm1i04Y_rms vs run
χ² / ndf 882.8 / 52
p0 669 ± 0.6688
700
680
660
640
620
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

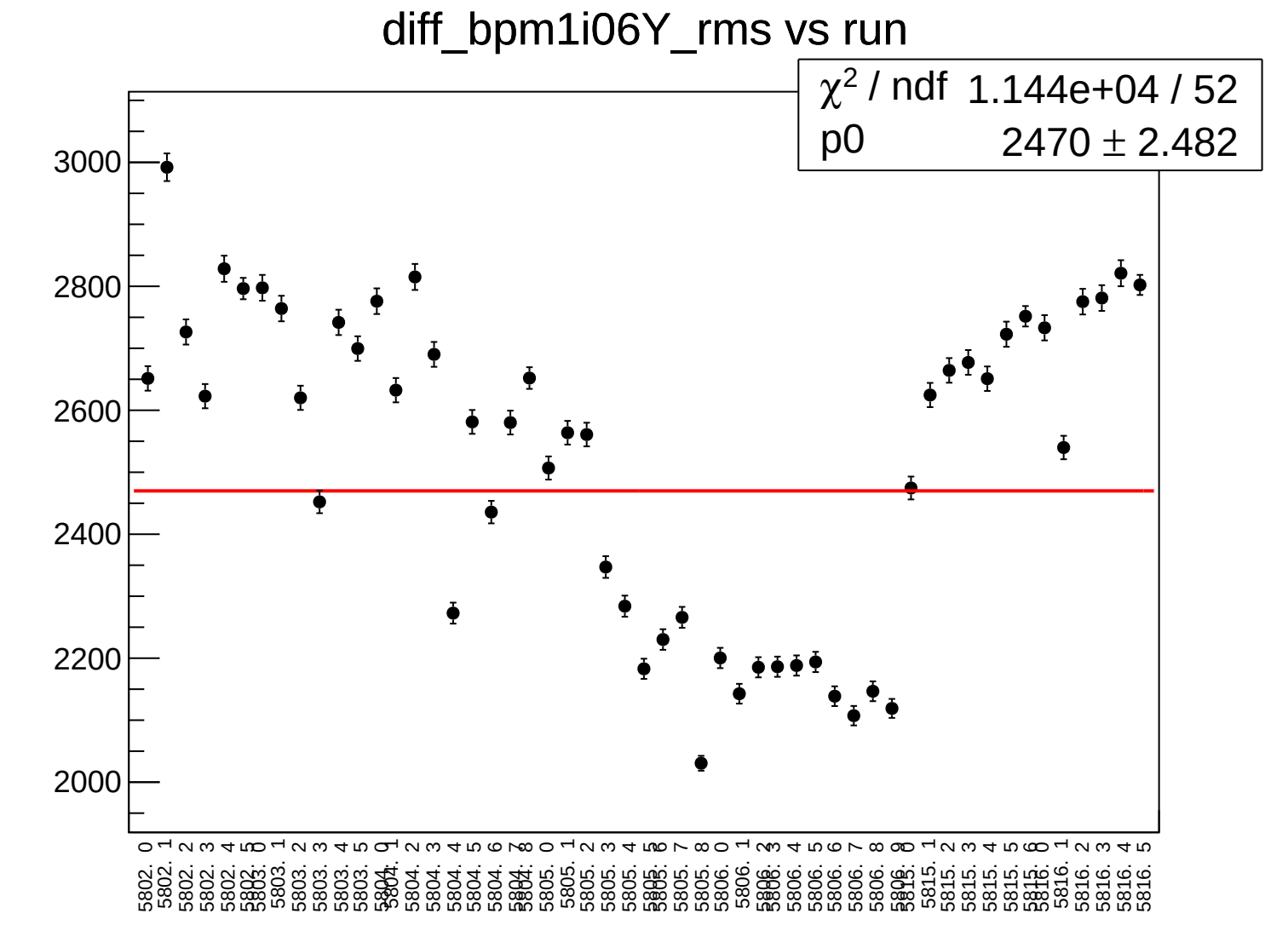

diff_bpm1i06X_mean vs run
χ² / ndf 50.51 / 52
p0 88.8 ± 3.328
pull
Entries 53
Mean 39.61
Std Dev 59.37

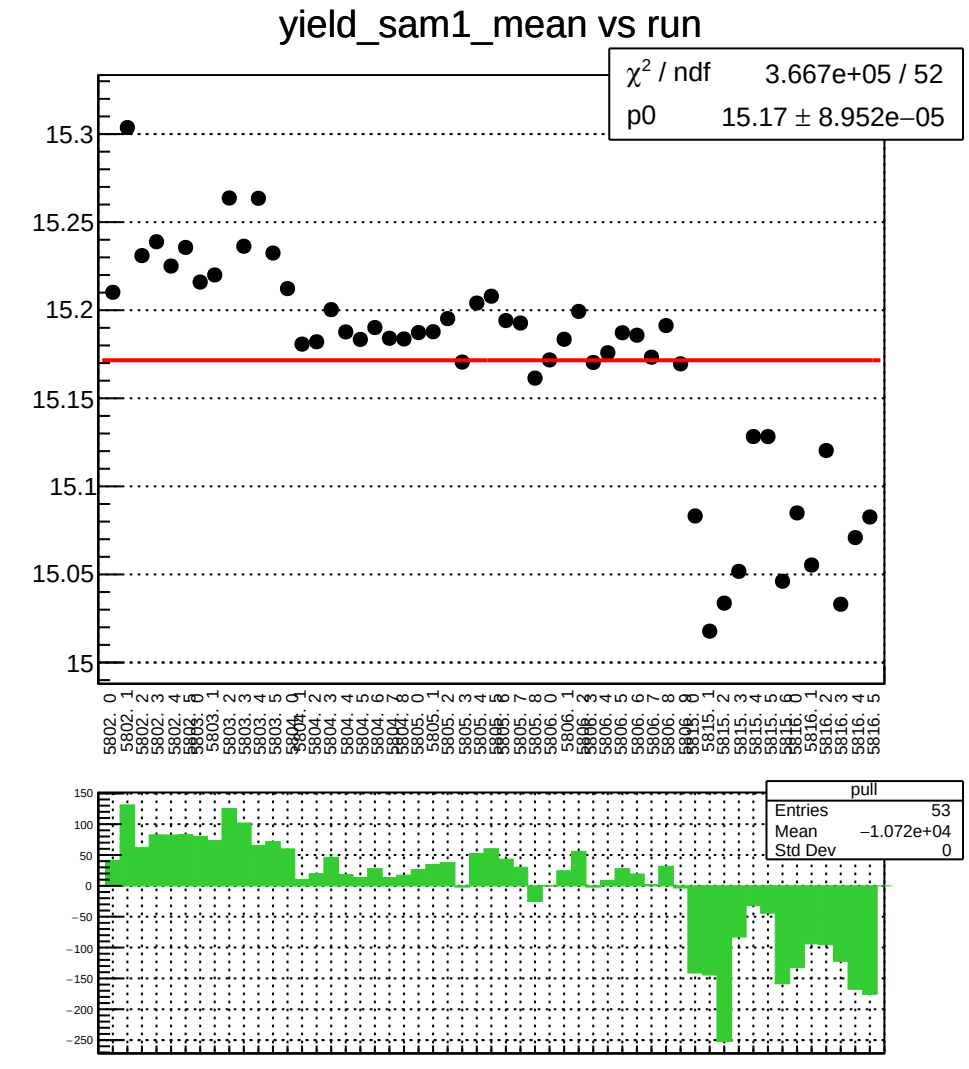

pull1D
Entries 53
Mean 0.02788
Std Dev 0.9758

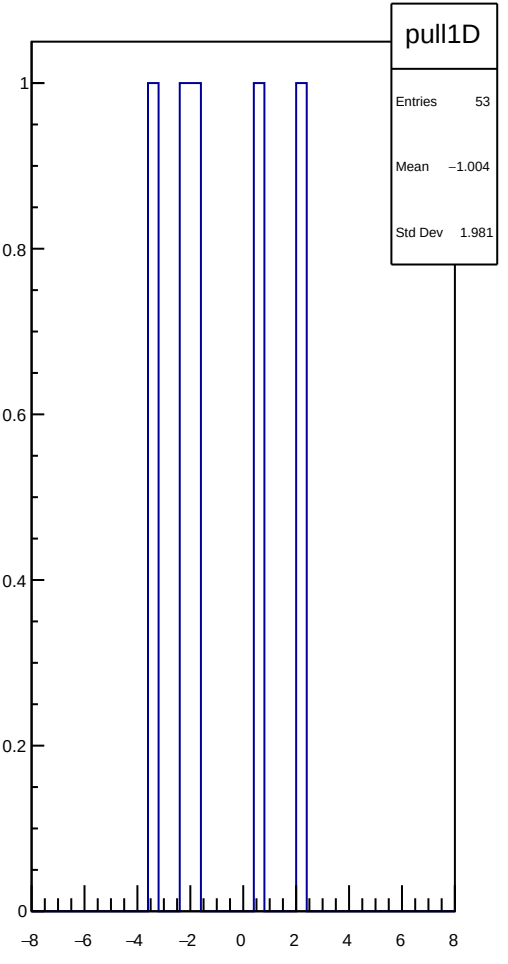

diff_bpm1i06X_rms vs run
χ² / ndf 1.111e+04 / 52
p0 2342 ± 2.354
2800
2600
2400
2200
2000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

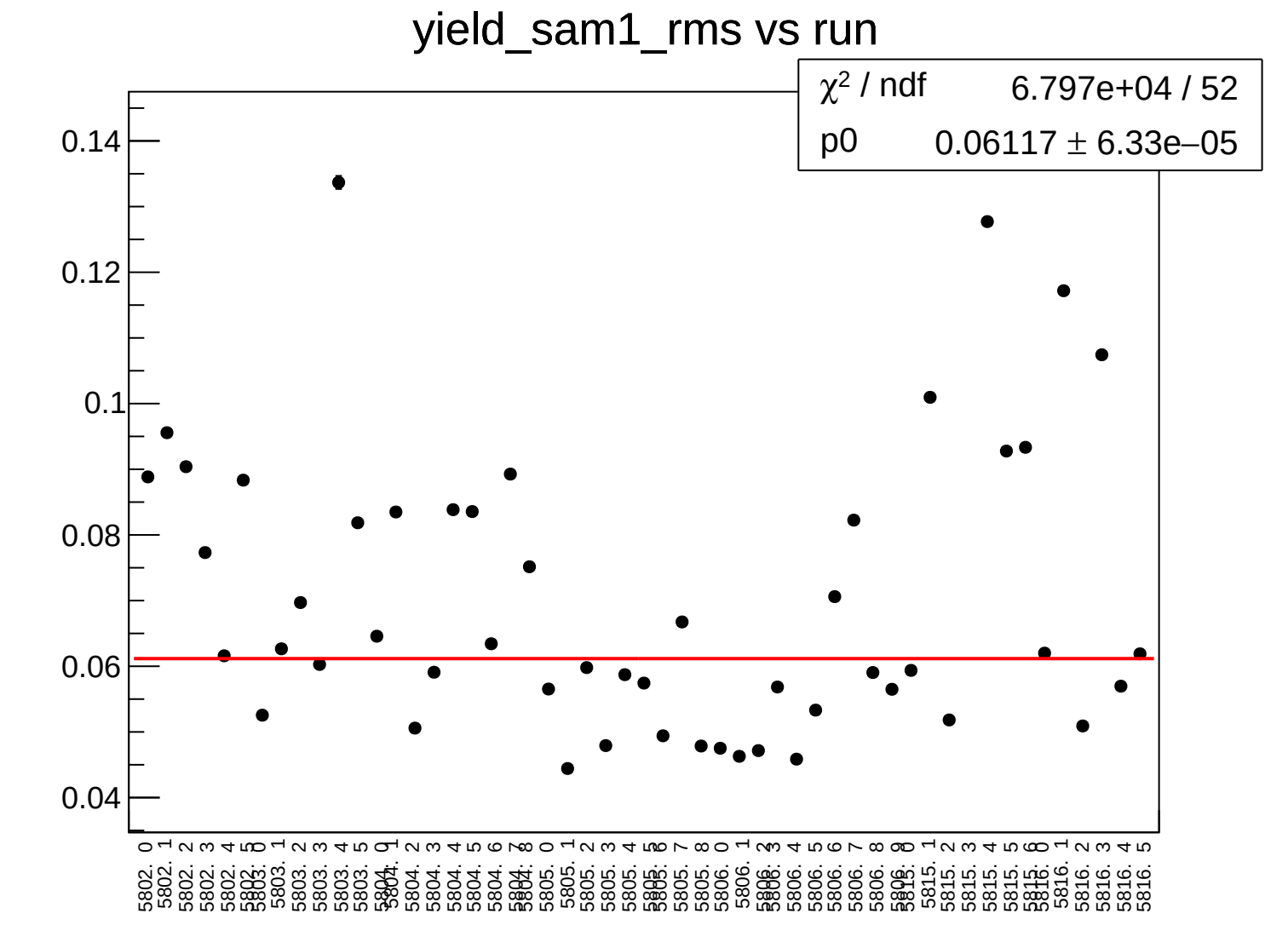

diff_bpm1i06Y_mean vs run
χ² / ndf 47.24 / 52
p0 31.95 ± 3.51
pull
Entries 53
Mean 72.35
Std Dev 27.11

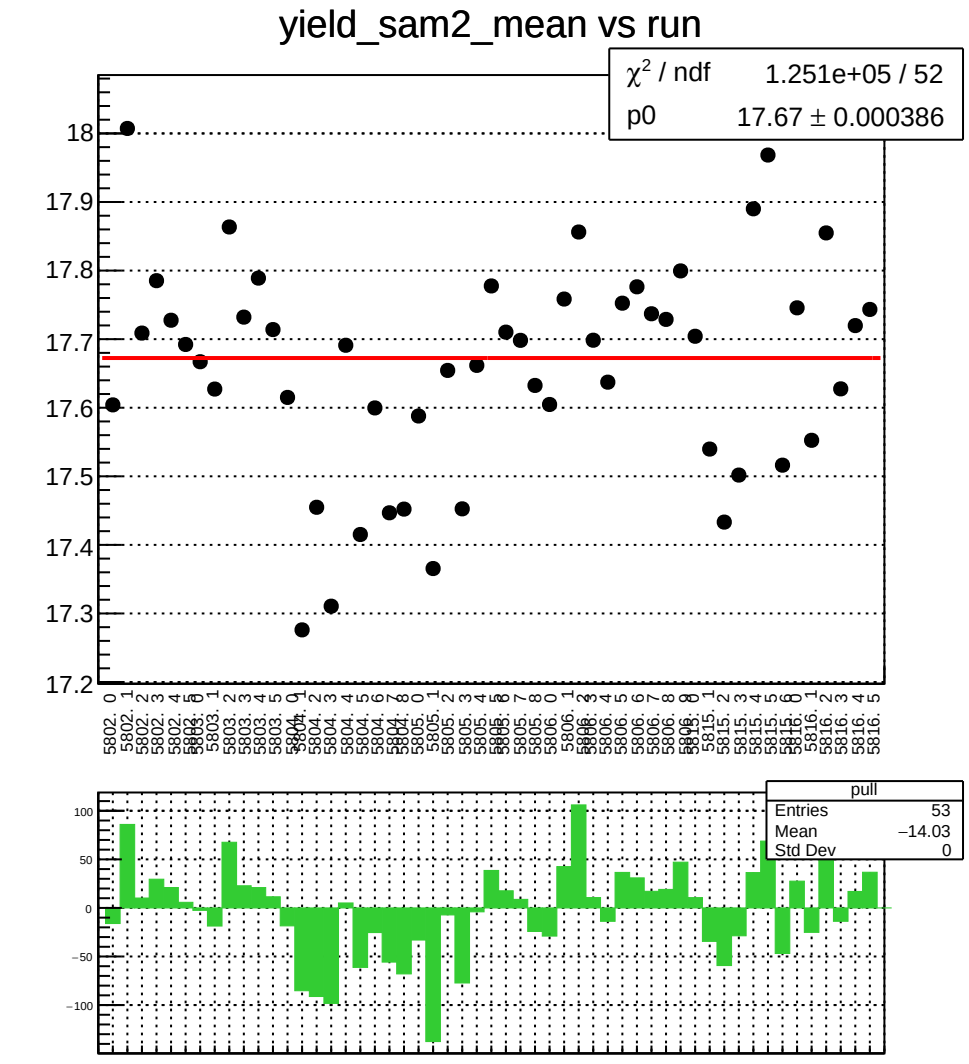

pull1D
Entries 53
Mean −0.02995
Std Dev 0.9436

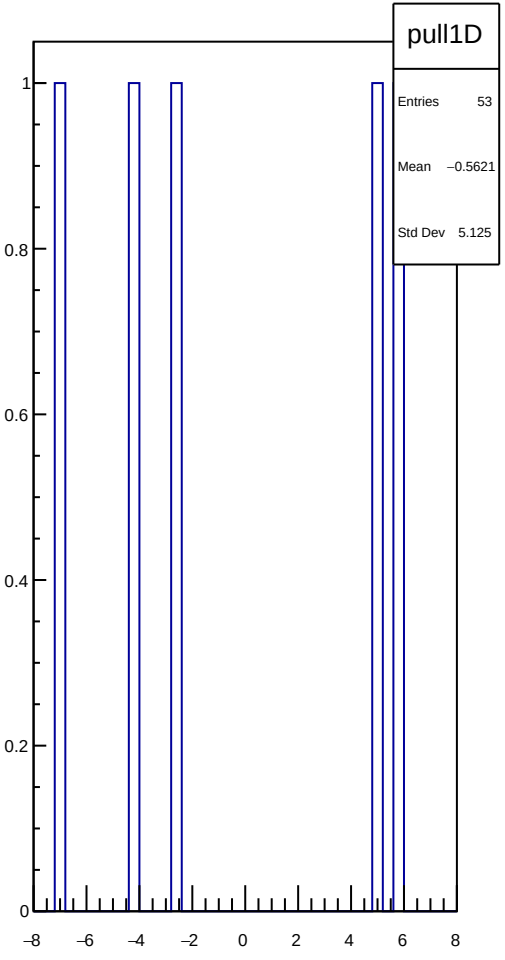

diff_bpm1i06Y_rms vs run
χ² / ndf 1.144e+04 / 52
p0 2470 ± 2.482
3000
2800
2600
2400
2200
2000

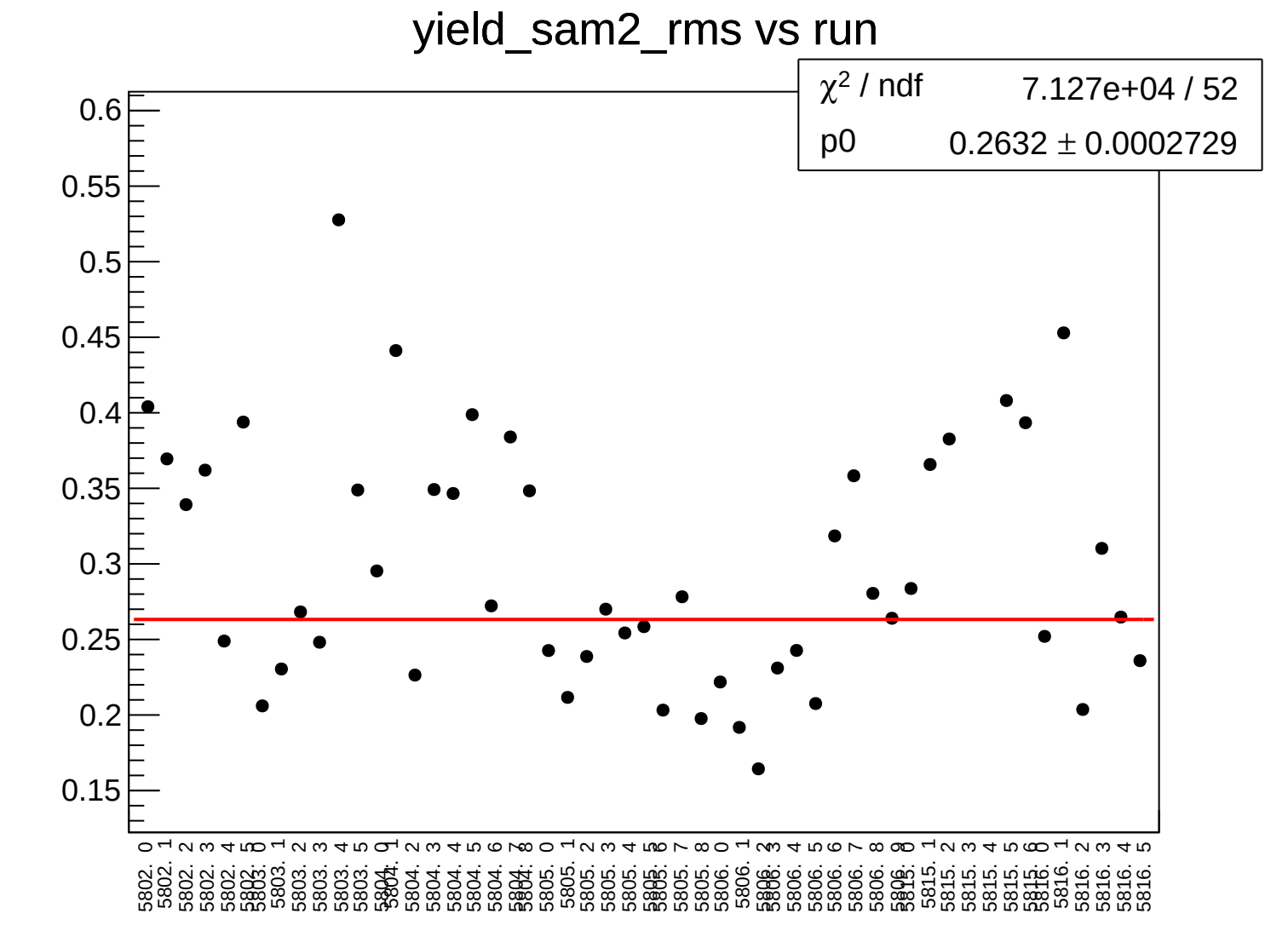

yield_sam1_mean vs run
χ² / ndf 3.667e+05 / 52
p0 15.17 ± 8.952e−05
15.3
15.25
15.2
15.15
15.1
15.05
15
pull
Entries 53
Mean −1.072e+04
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

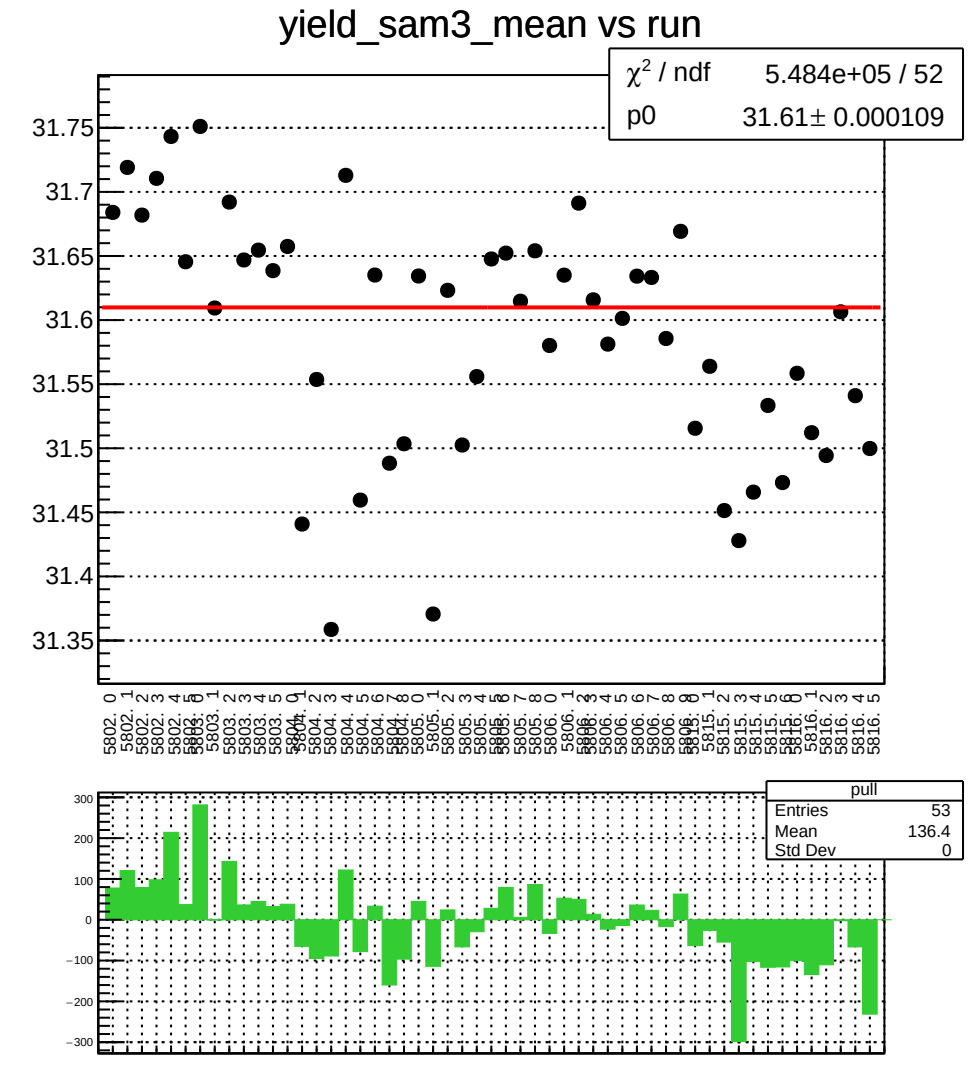

pull1D
Entries 53
Mean −1.004
Std Dev 1.981
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

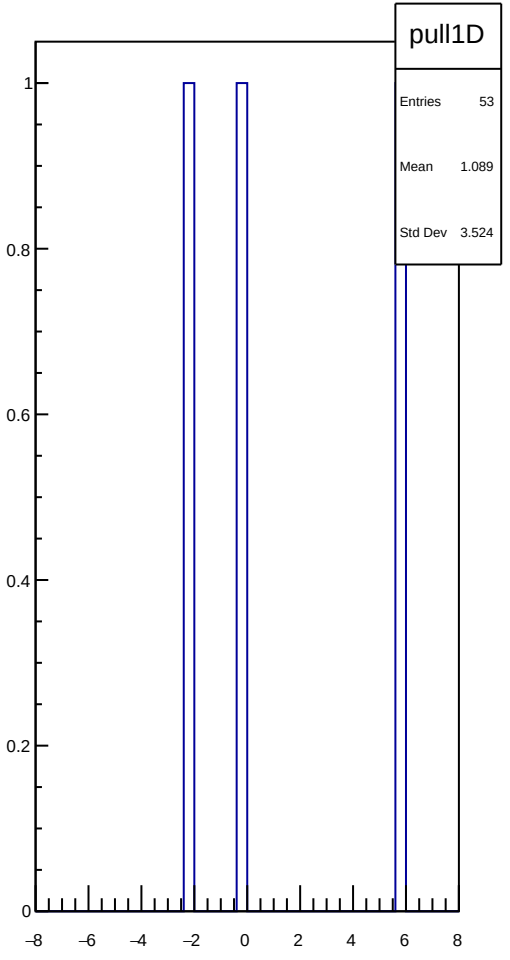

yield_sam1_rms vs run
χ² / ndf 6.797e+04 / 52
p0 0.06117 ± 6.33e−05
0.14
0.12
0.1
0.08
0.06
0.04

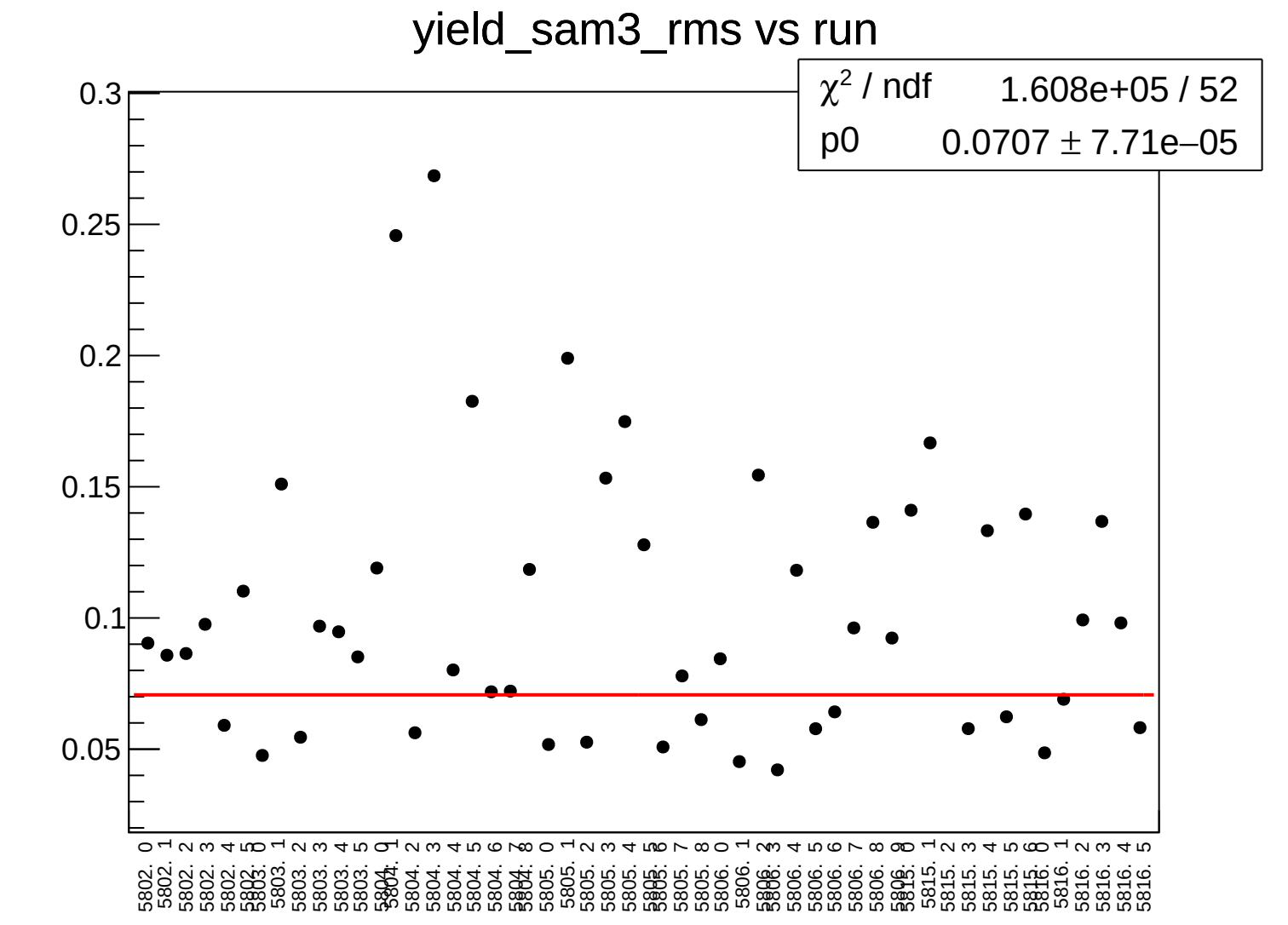

yield_sam2_mean vs run
χ² / ndf 1.251e+05 / 52
p0 17.67 ± 0.000386
pull
Entries 53
Mean −14.03
Std Dev 0

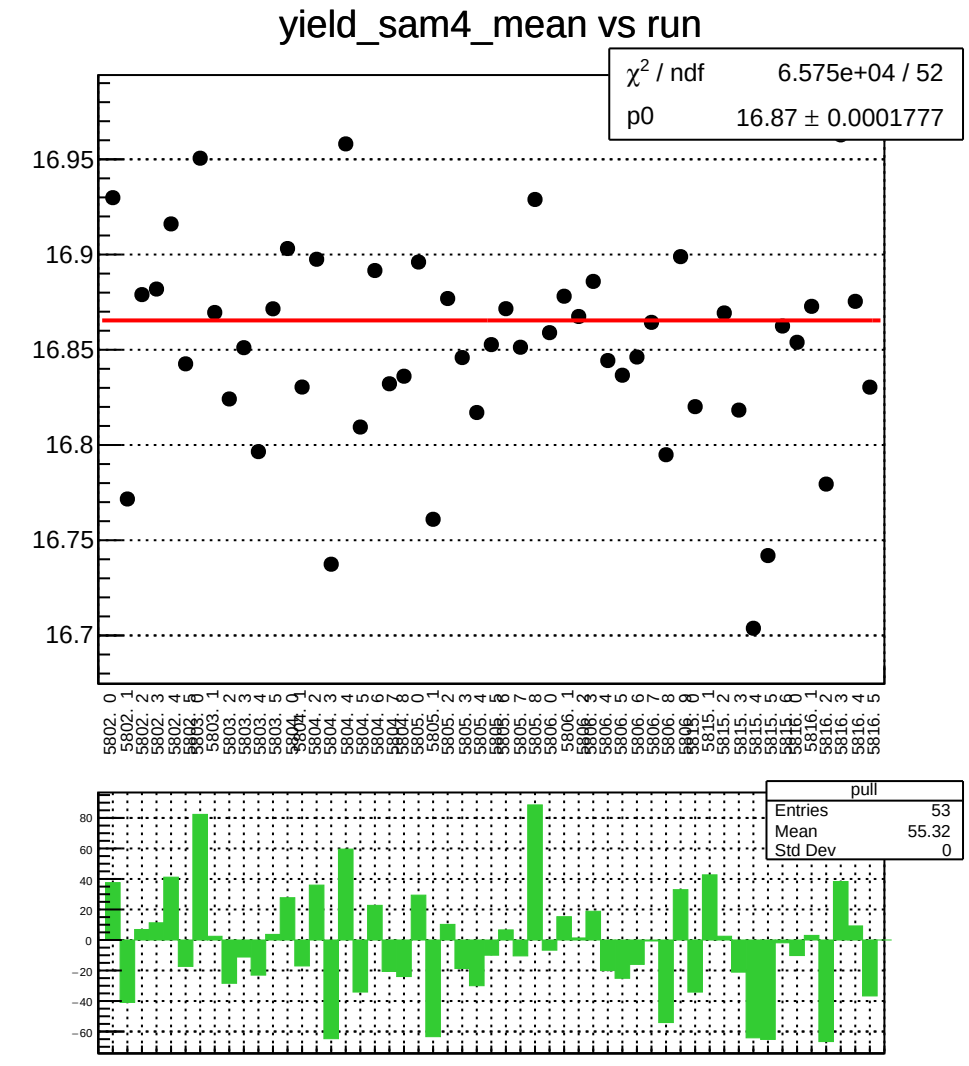

pull1D
Entries 53
Mean −0.5621
Std Dev 5.125

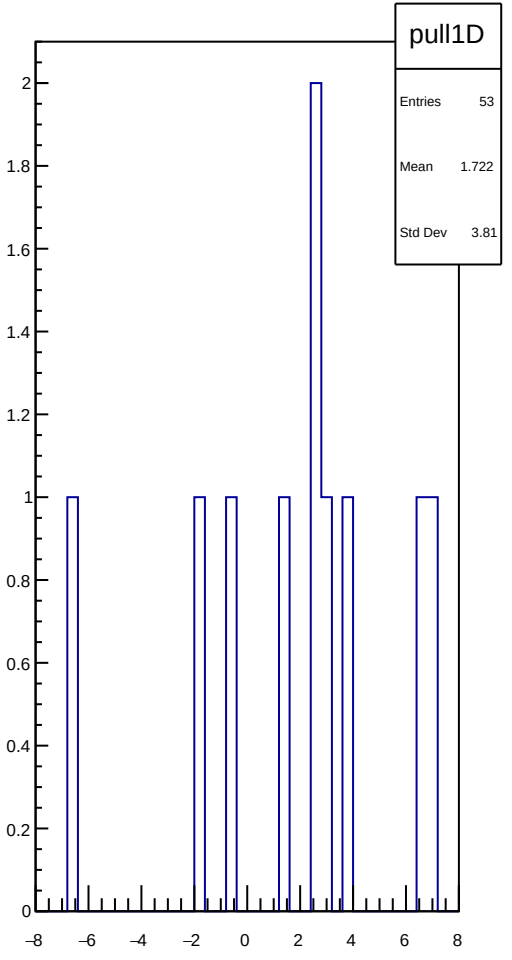

yield_sam2_rms vs run
χ² / ndf 7.127e+04 / 52
p0 0.2632 ± 0.0002729
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

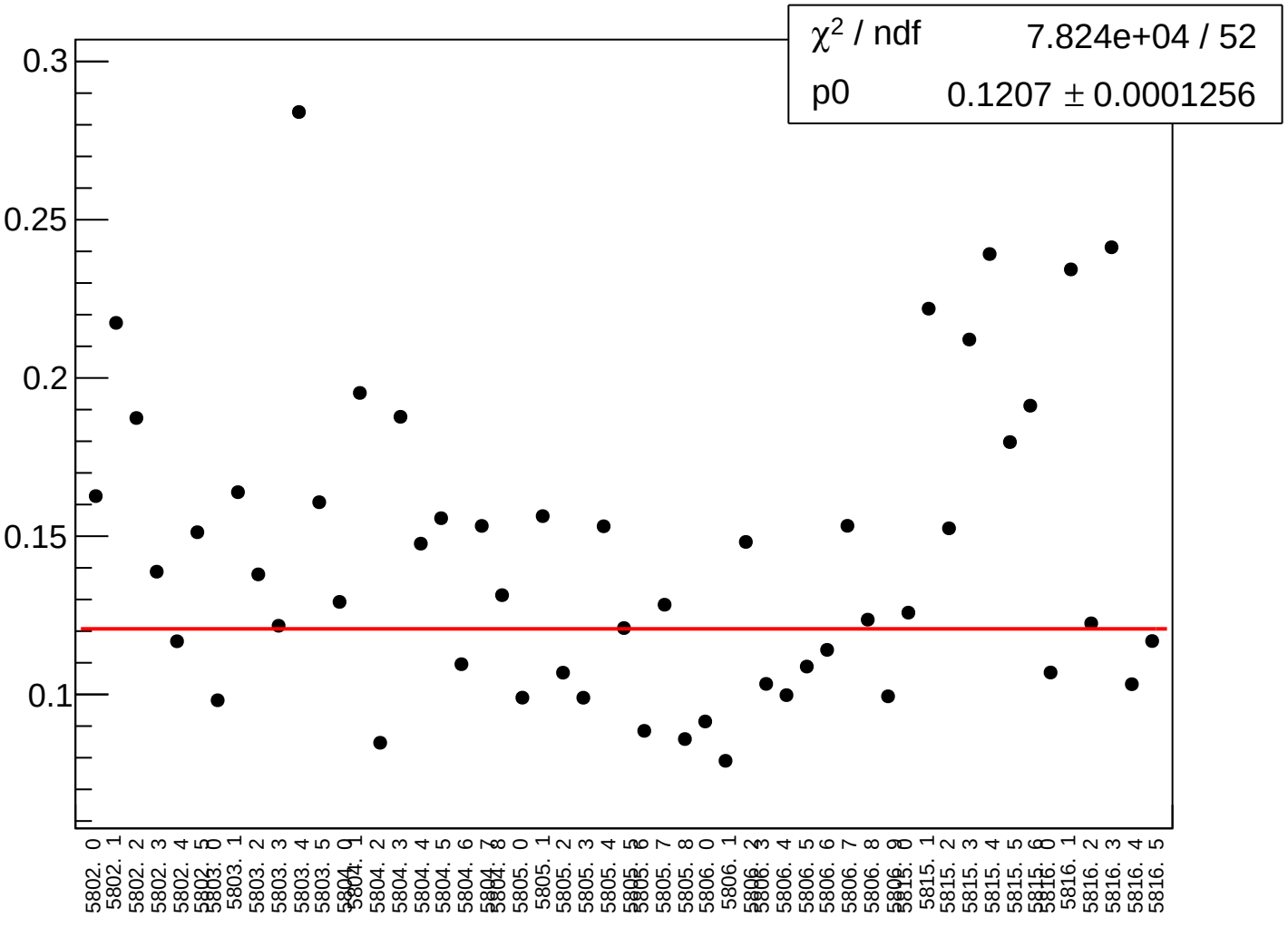

yield_sam3_mean vs run
χ² / ndf 5.484e+05 / 52
p0 31.61± 0.000109
31.75
31.7
31.65
31.6
31.55
31.5
31.45
31.4
31.35
pull
Entries 53
Mean 136.4
Std Dev 0
300
200
100
0
−100
−200
−300

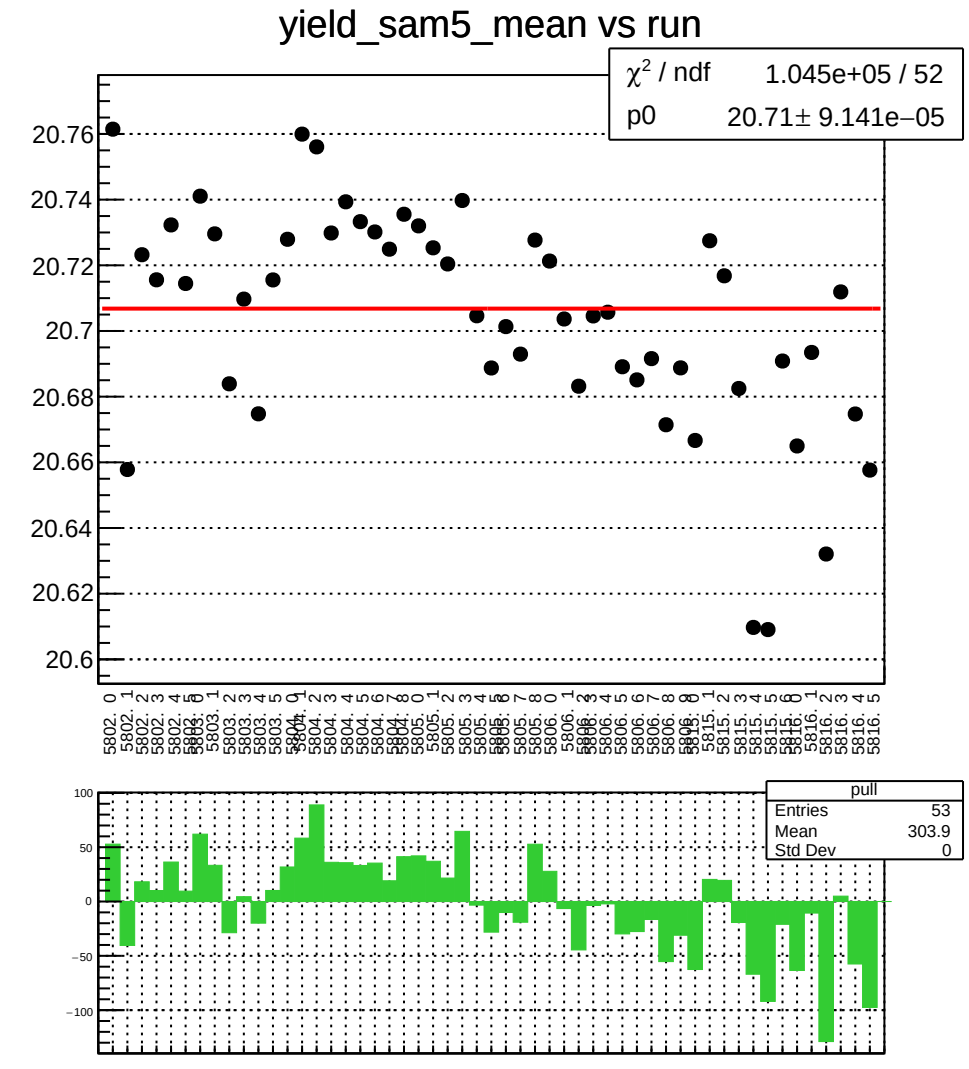

pull1D
Entries 53
Mean 1.089
Std Dev 3.524
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

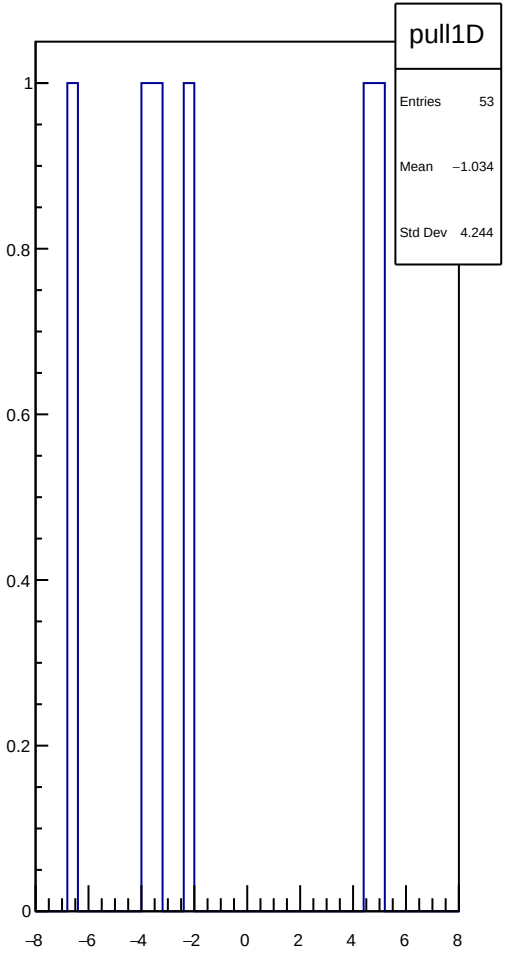

yield_sam3_rms vs run
χ² / ndf 1.608e+05 / 52
p0 0.0707 ± 7.71e−05
0.3
0.25
0.2
0.15
0.1
0.05

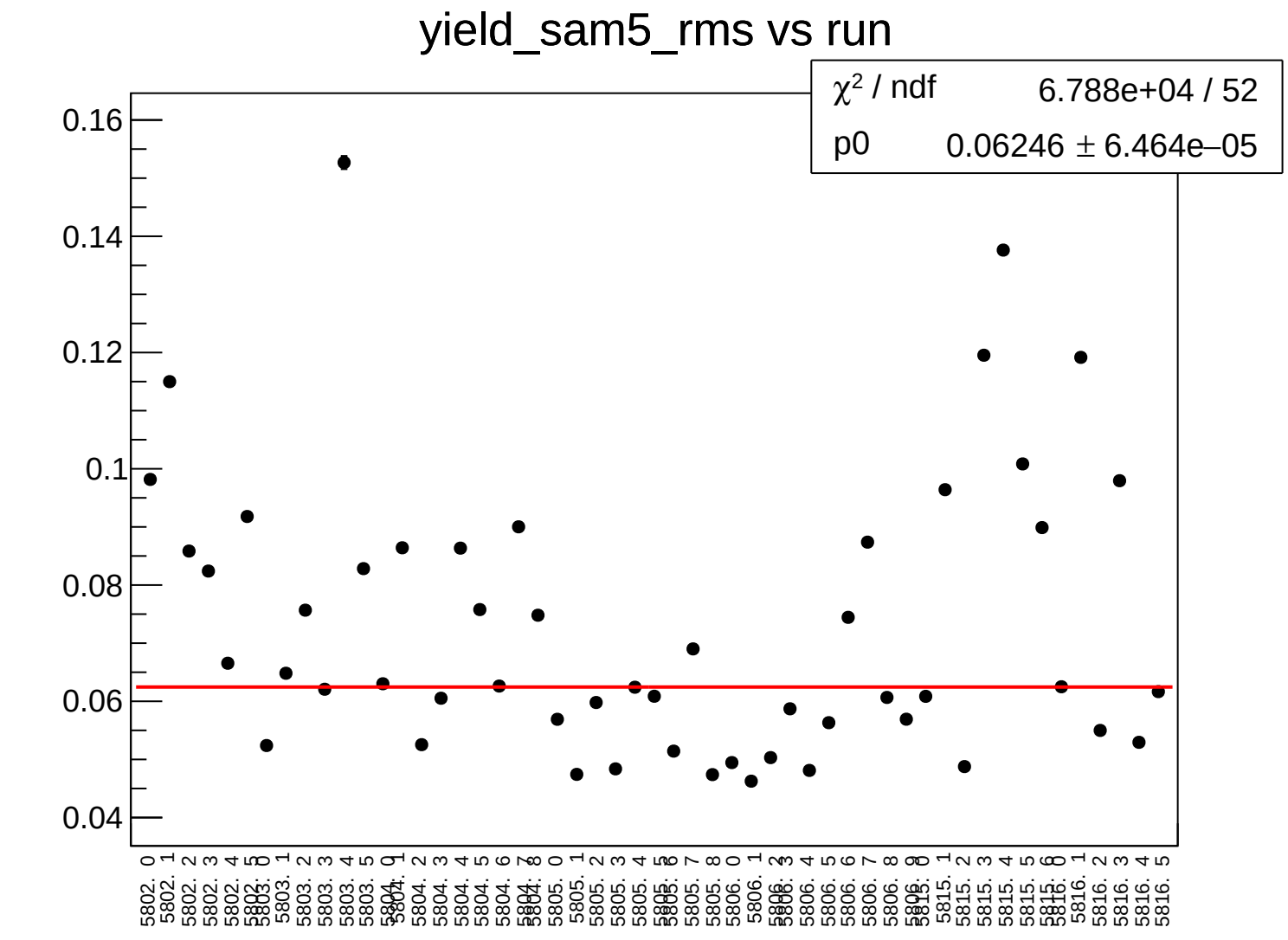

yield_sam4_mean vs run
χ² / ndf 6.575e+04 / 52
p0 16.87 ± 0.0001777
16.95
16.9
16.85
16.8
16.75
16.7
pull
Entries 53
Mean 55.32
Std Dev 0
80
60
40
20
0
−20
−40
−60

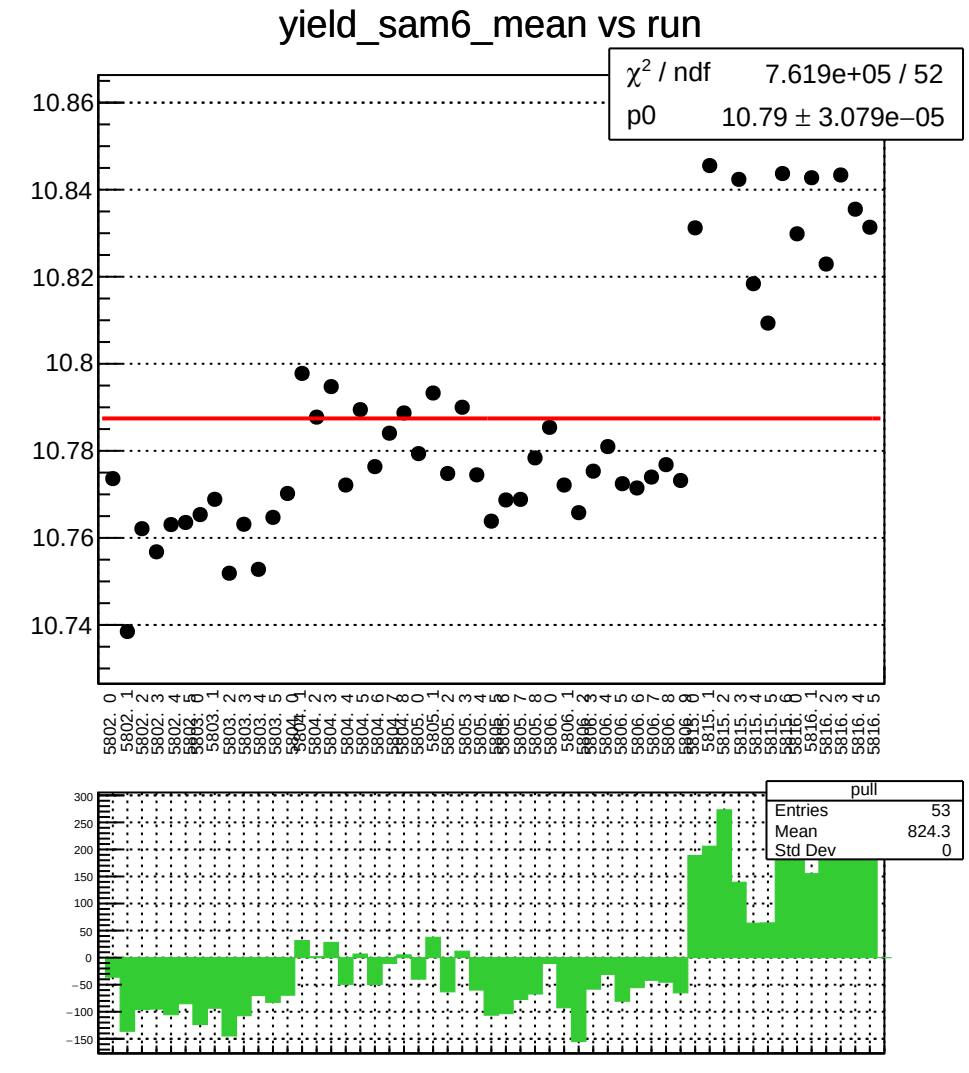

pull1D
Entries 53
Mean 1.722
Std Dev 3.81
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

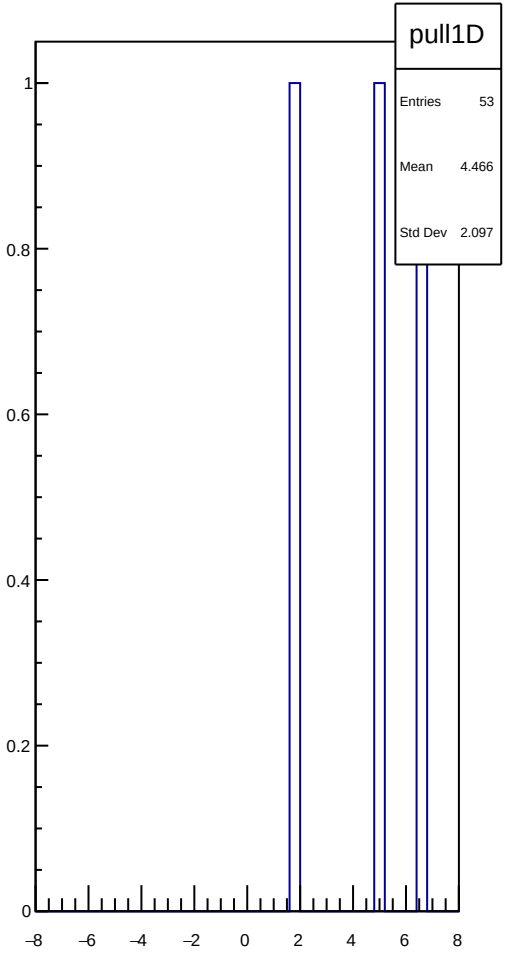

yield_sam4_rms vs run
χ² / ndf 7.824e+04 / 52
p0 0.1207 ± 0.0001256
0.3
0.25
0.2
0.15
0.1

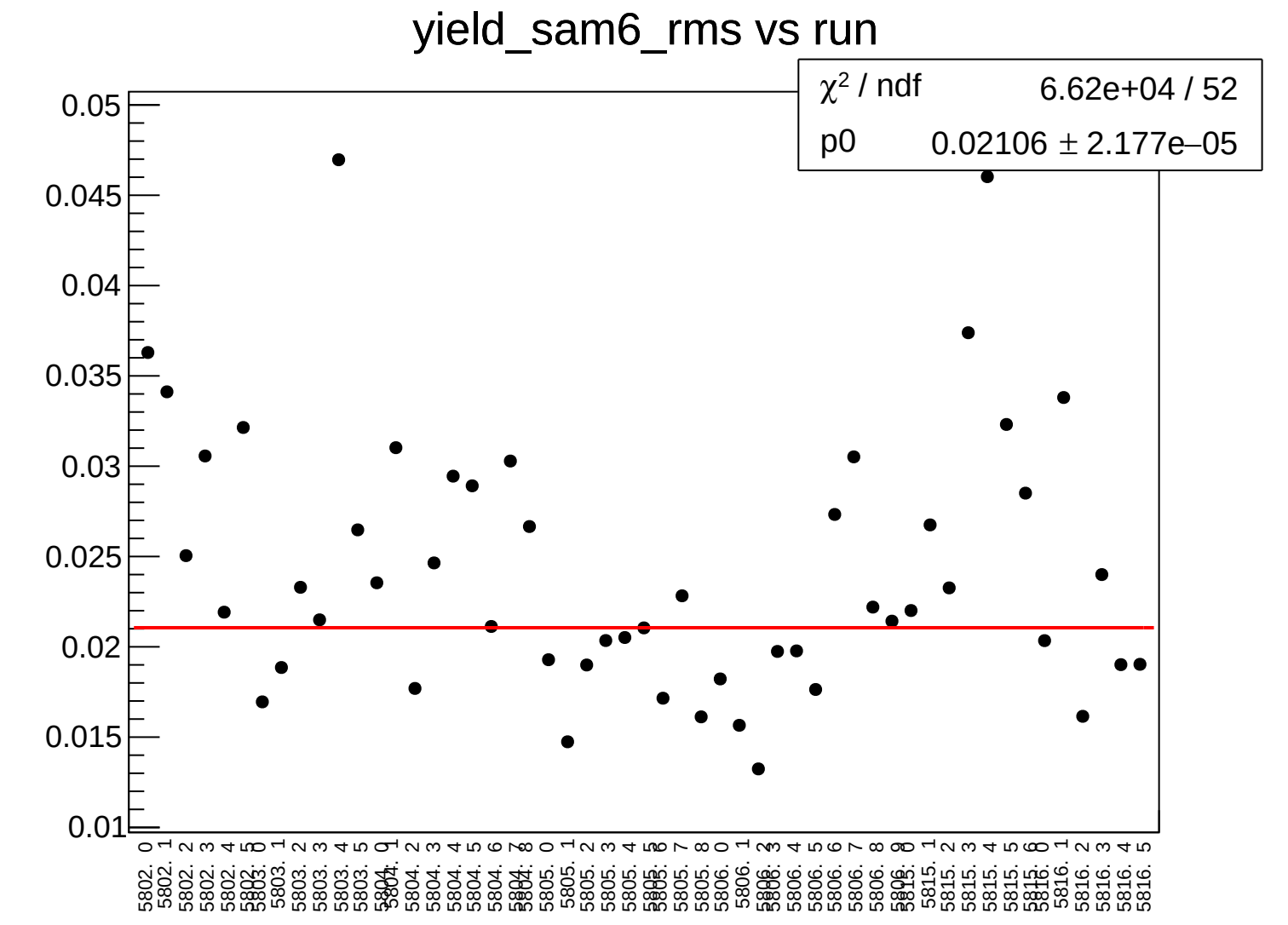

yield_sam5_mean vs run
χ² / ndf 1.045e+05 / 52
p0 20.71± 9.141e−05
20.76
20.74
20.72
20.7
20.68
20.66
20.64
20.62
20.6
pull
Entries 53
Mean 303.9
Std Dev 0
100
50
0
−50
−100

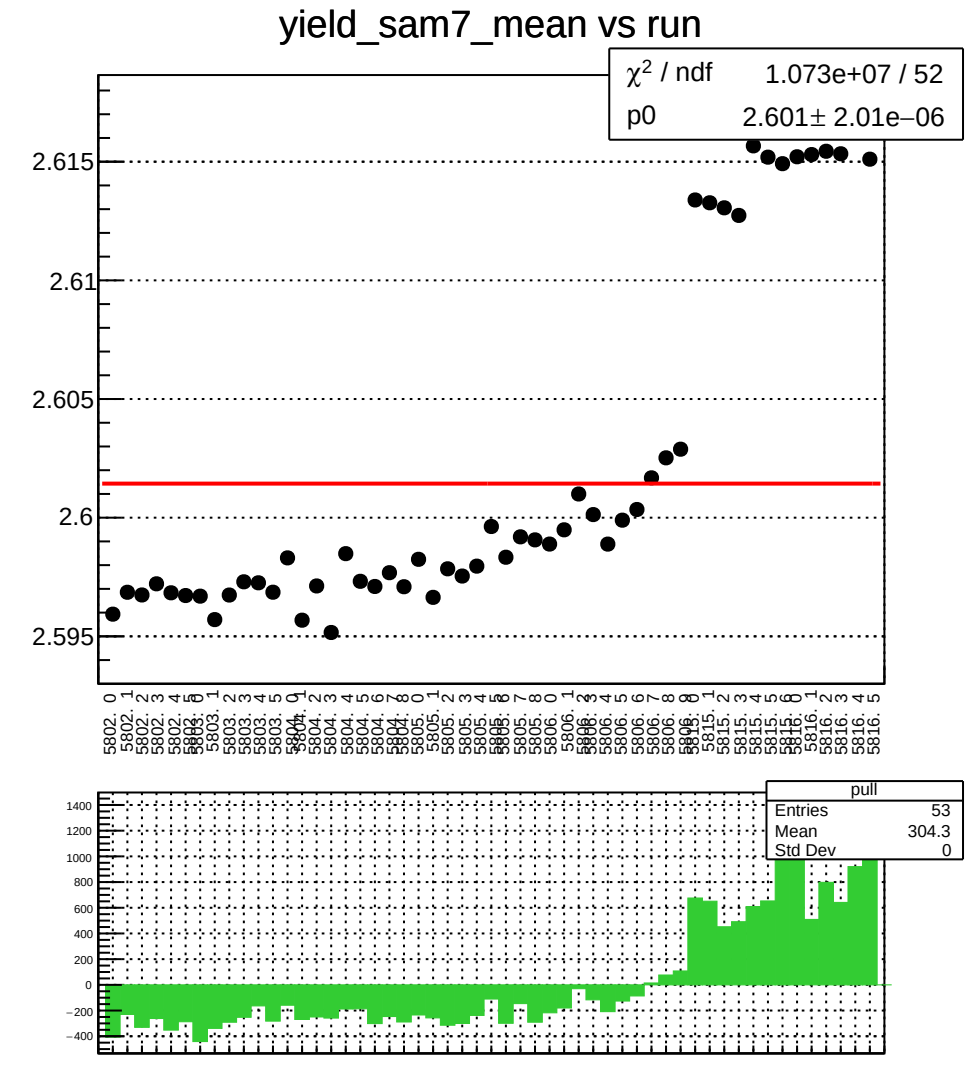

pull1D
Entries 53
Mean −1.034
Std Dev 4.244
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

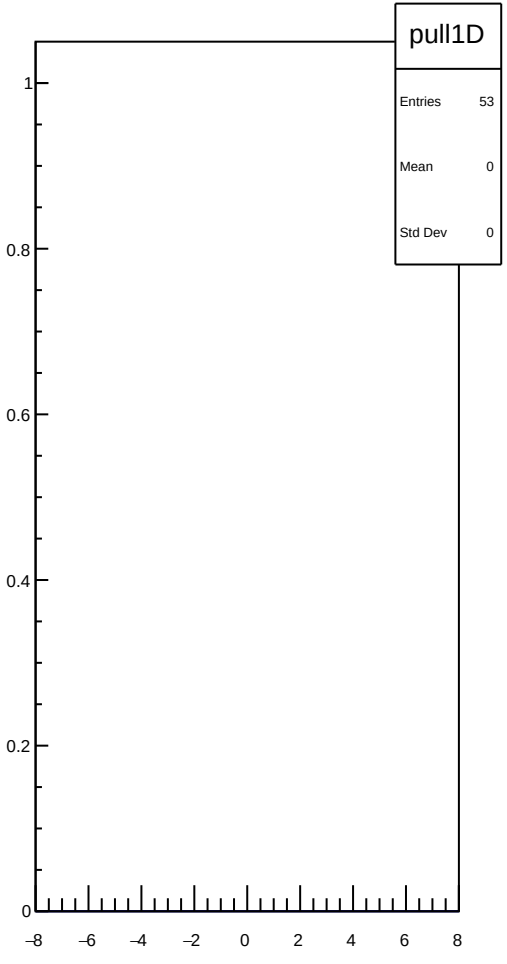

yield_sam5_rms vs run
χ² / ndf 6.788e+04 / 52
p0 0.06246 ± 6.464e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04

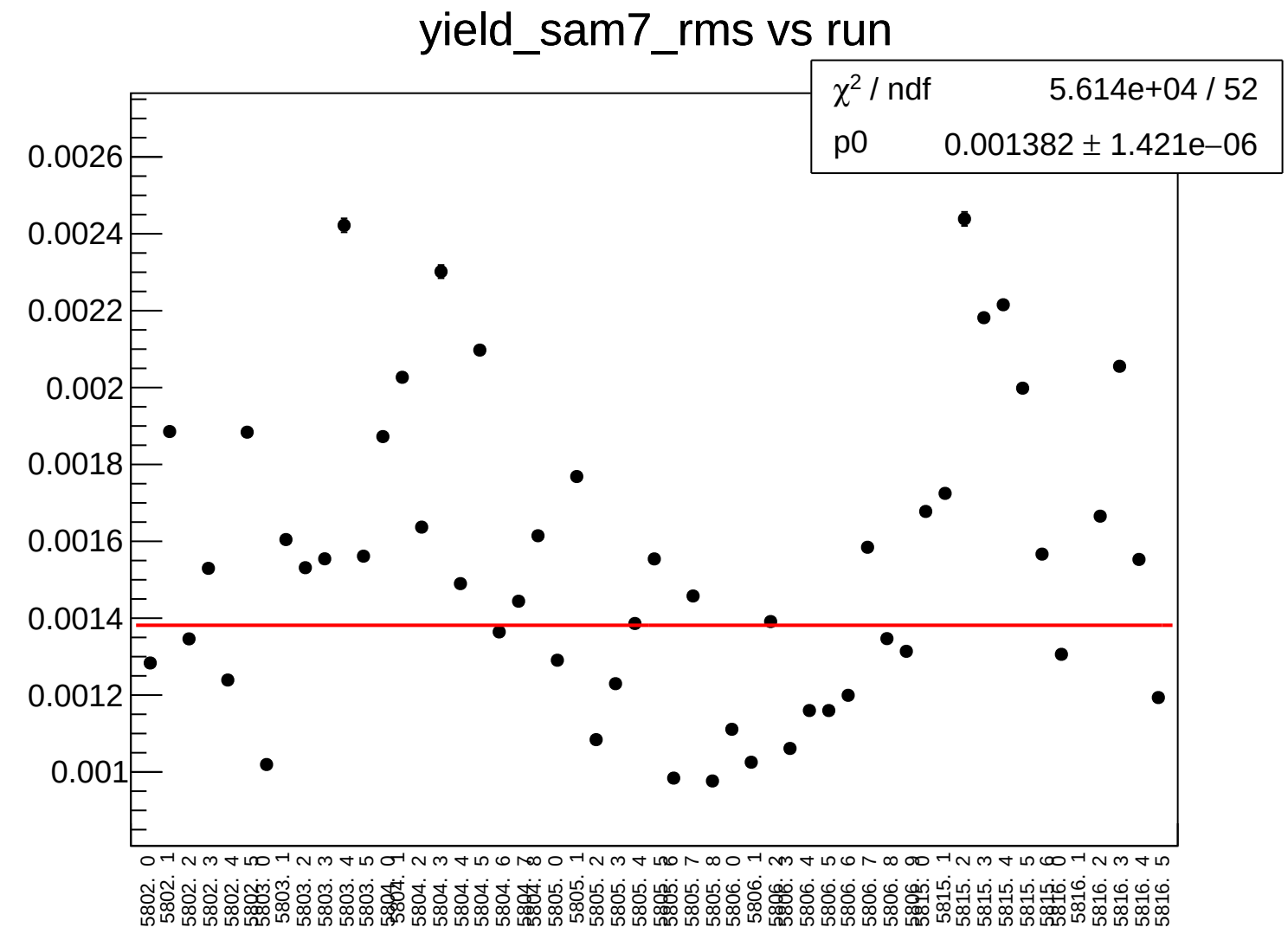

yield_sam6_mean vs run
χ² / ndf 7.619e+05 / 52
p0 10.79 ± 3.079e−05
10.86
10.84
10.82
10.8
10.78
10.76
10.74
pull
Entries 53
Mean 824.3
Std Dev 0

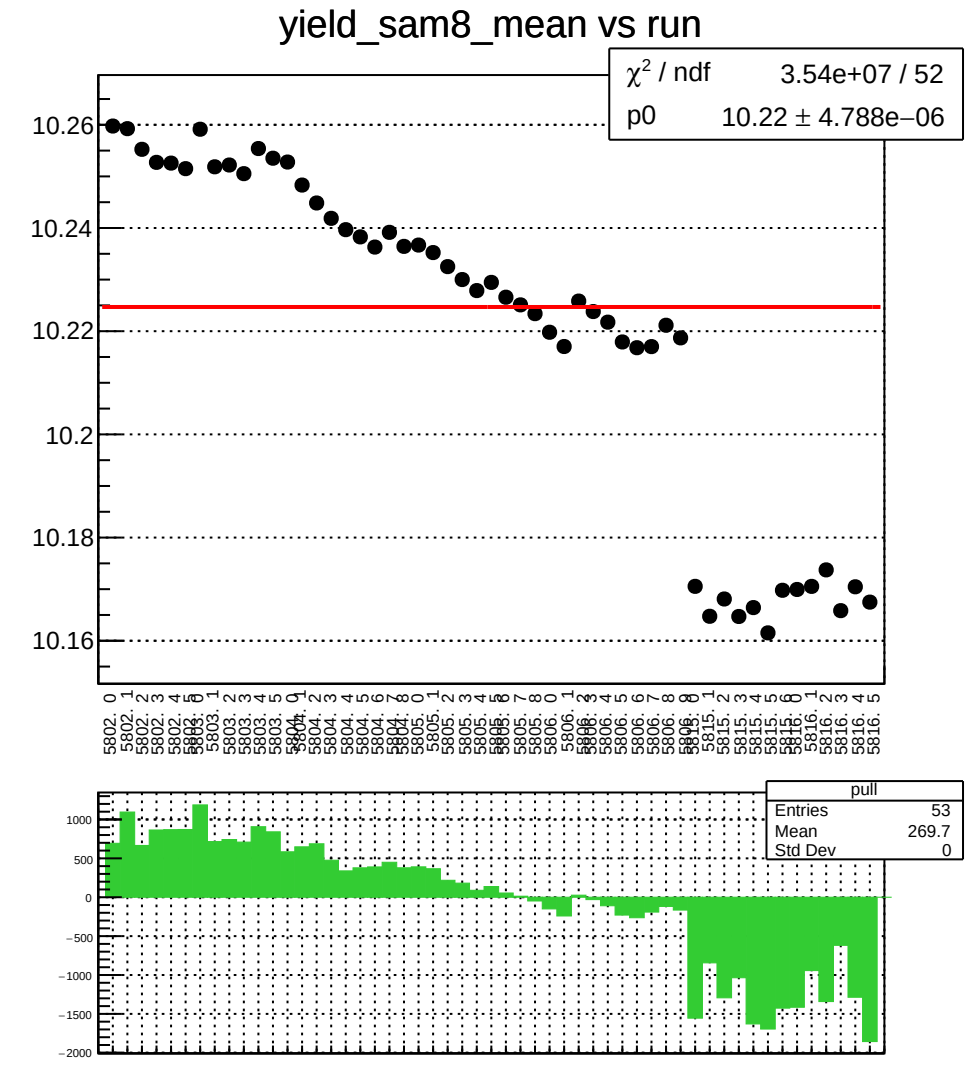

pull1D
Entries 53
Mean 4.466
Std Dev 2.097

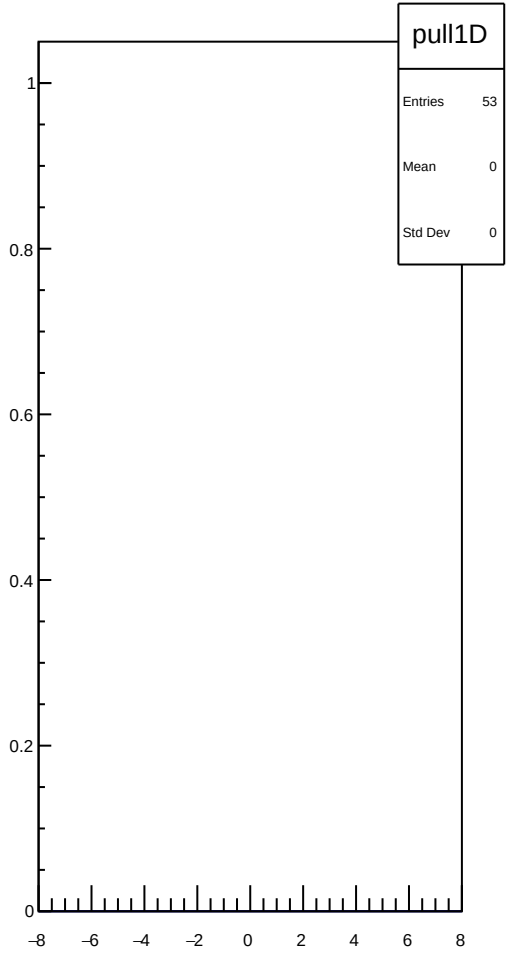

yield_sam6_rms vs run
χ² / ndf 6.62e+04 / 52
p0 0.02106 ± 2.177e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

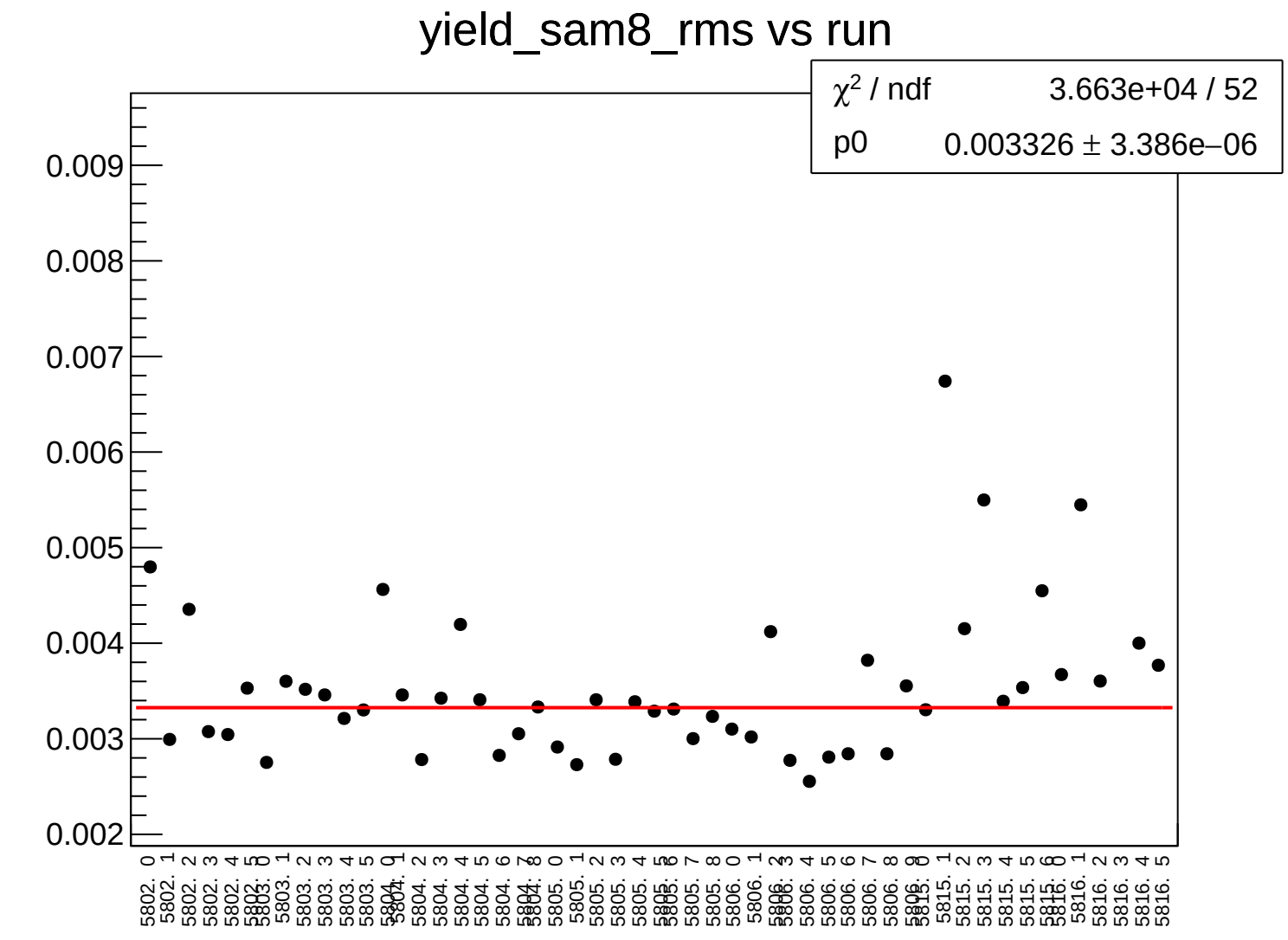

yield_sam7_mean vs run
χ² / ndf 1.073e+07 / 52
p0 2.601± 2.01e−06
2.615
2.61
2.605
2.6
2.595
pull
Entries 53
Mean 304.3
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400

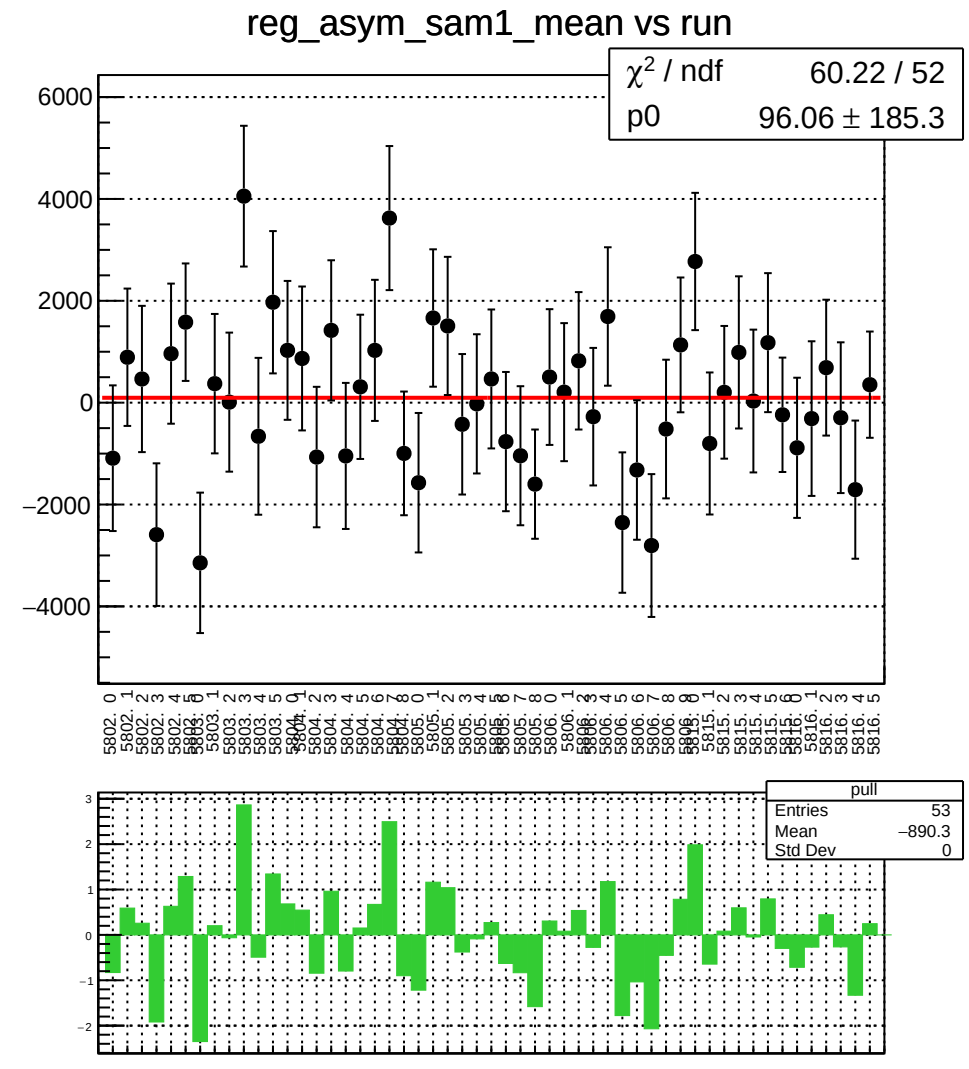

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

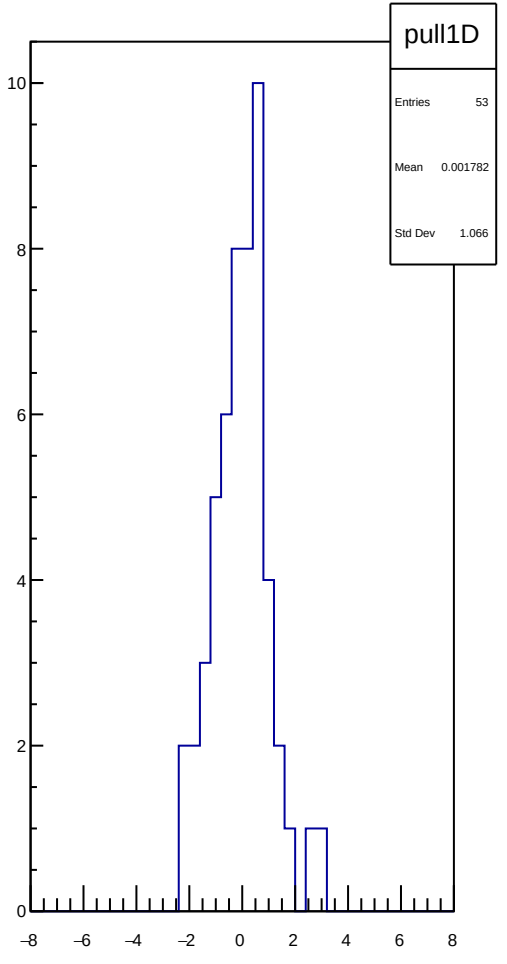

yield_sam7_rms vs run
χ² / ndf 5.614e+04 / 52
p0 0.001382 ± 1.421e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001

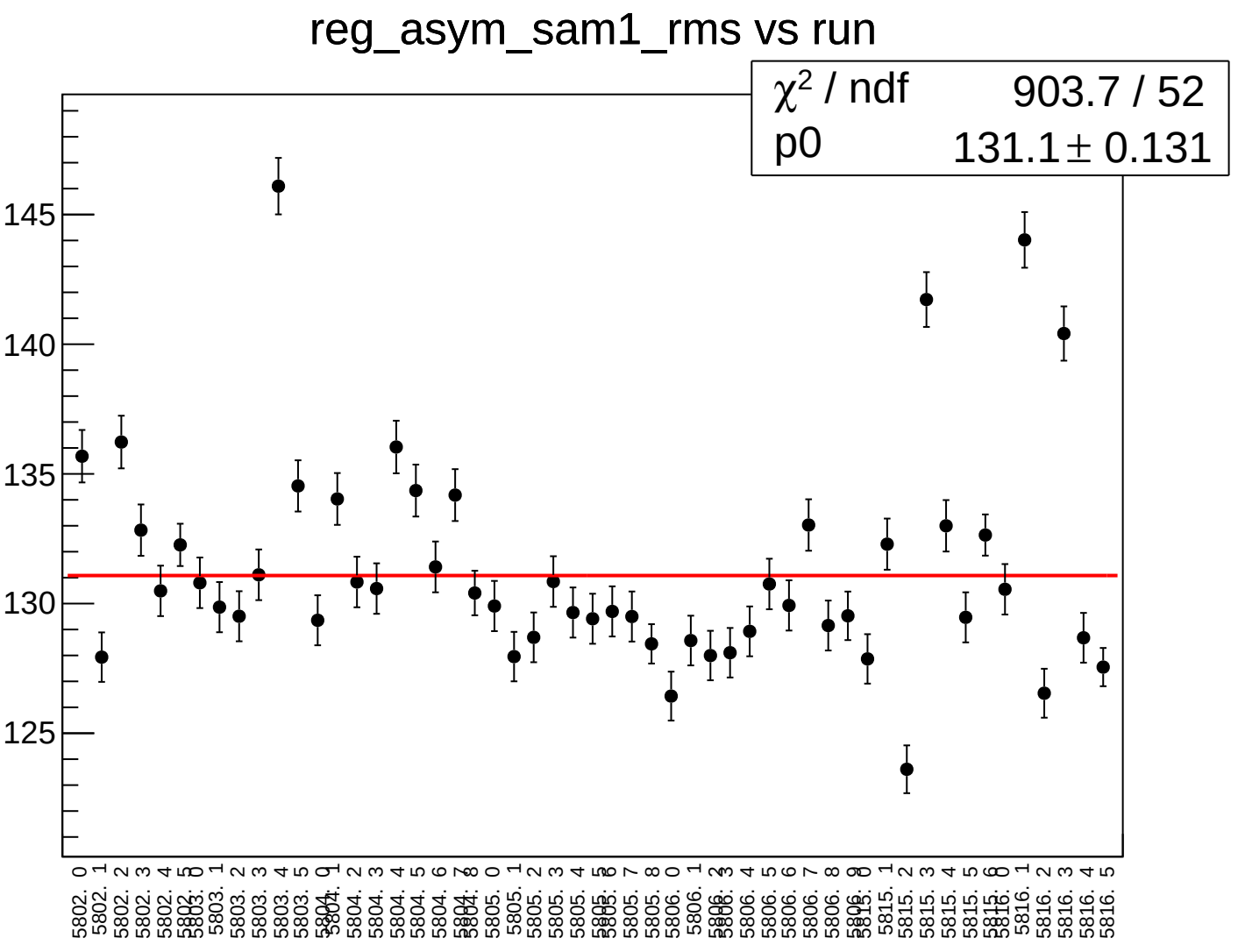

yield_sam8_mean vs run
χ² / ndf 3.54e+07 / 52
p0 10.22 ± 4.788e−06
10.26
10.24
10.22
10.2
10.18
10.16
pull
Entries 53
Mean 269.7
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

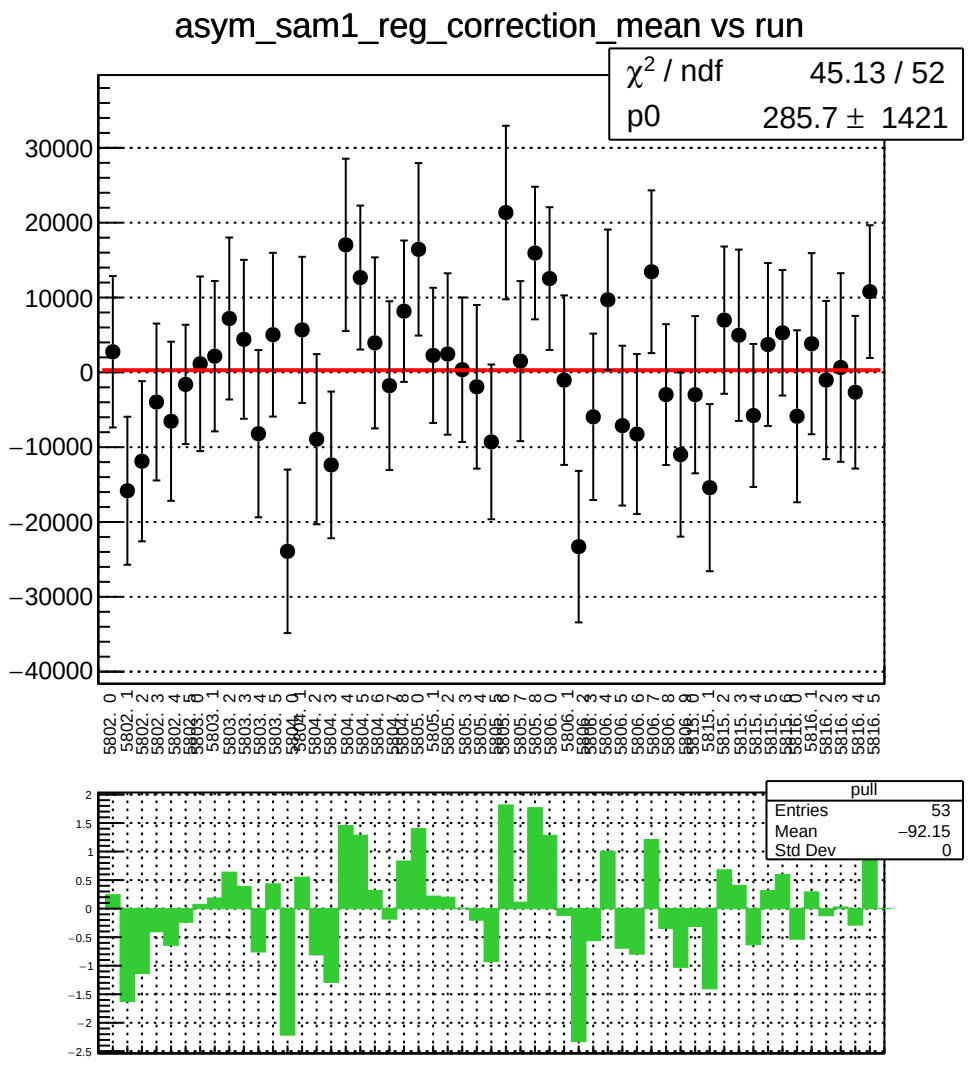

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

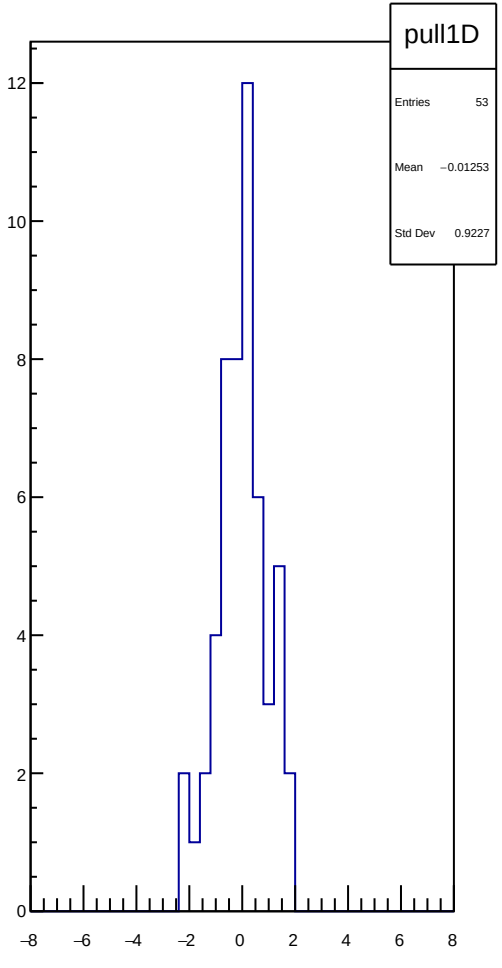

yield_sam8_rms vs run
χ² / ndf 3.663e+04 / 52
p0 0.003326 ± 3.386e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

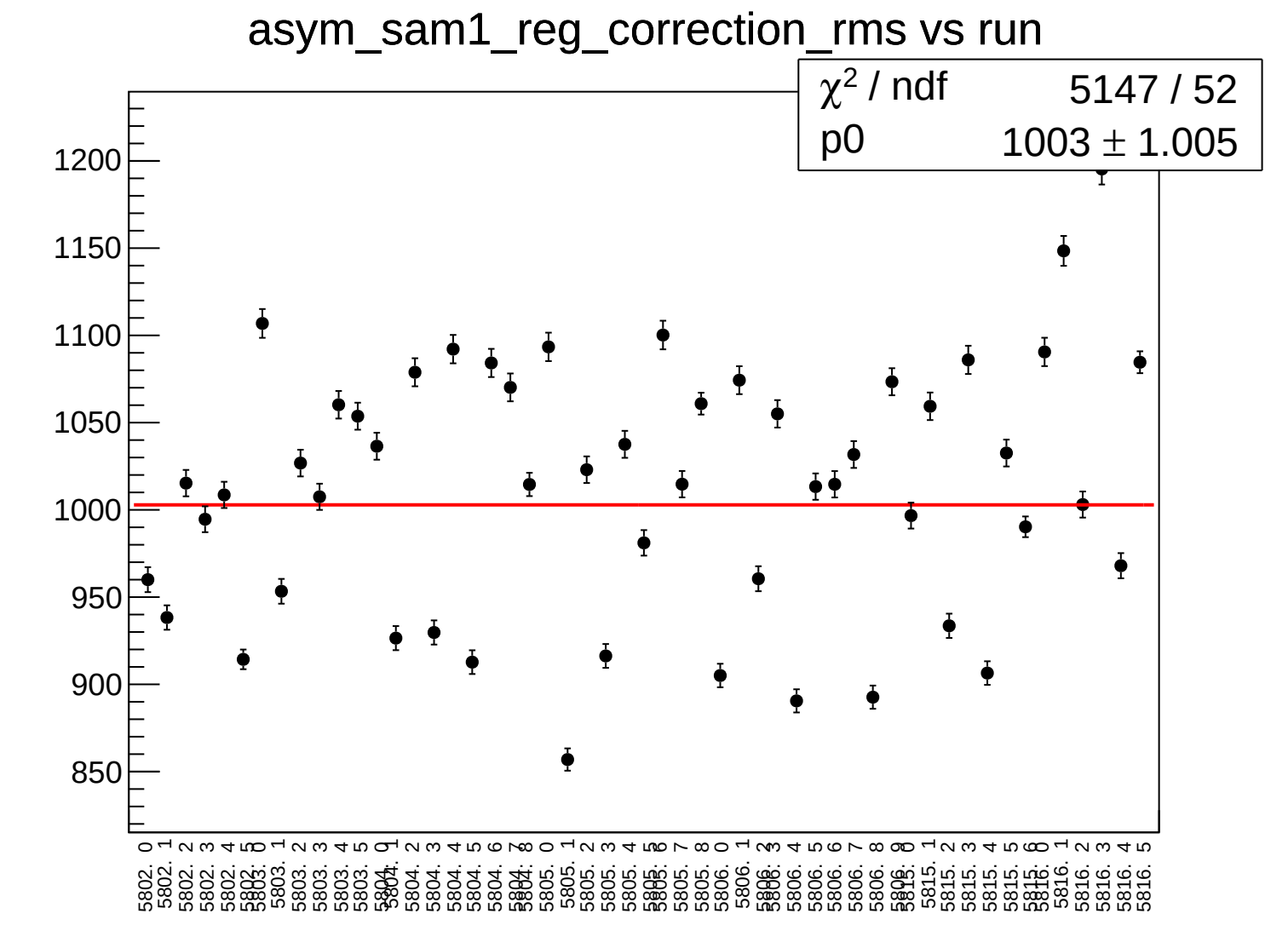

reg_asym_sam1_mean vs run
χ² / ndf 60.22 / 52
p0 96.06 ± 185.3
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −890.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.001782
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam1_rms vs run
χ² / ndf 903.7 / 52
p0 131.1 ± 0.131
145
140
135
130
125


asym_sam1_reg_correction_mean vs run
χ² / ndf 45.13 / 52
p0 285.7 ± 1421
pull
Entries 53
Mean −92.15
Std Dev 0


pull1D
Entries 53
Mean −0.01253
Std Dev 0.9227


asym_sam1_reg_correction_rms vs run
χ² / ndf 5147 / 52
p0 1003 ± 1.005
1200
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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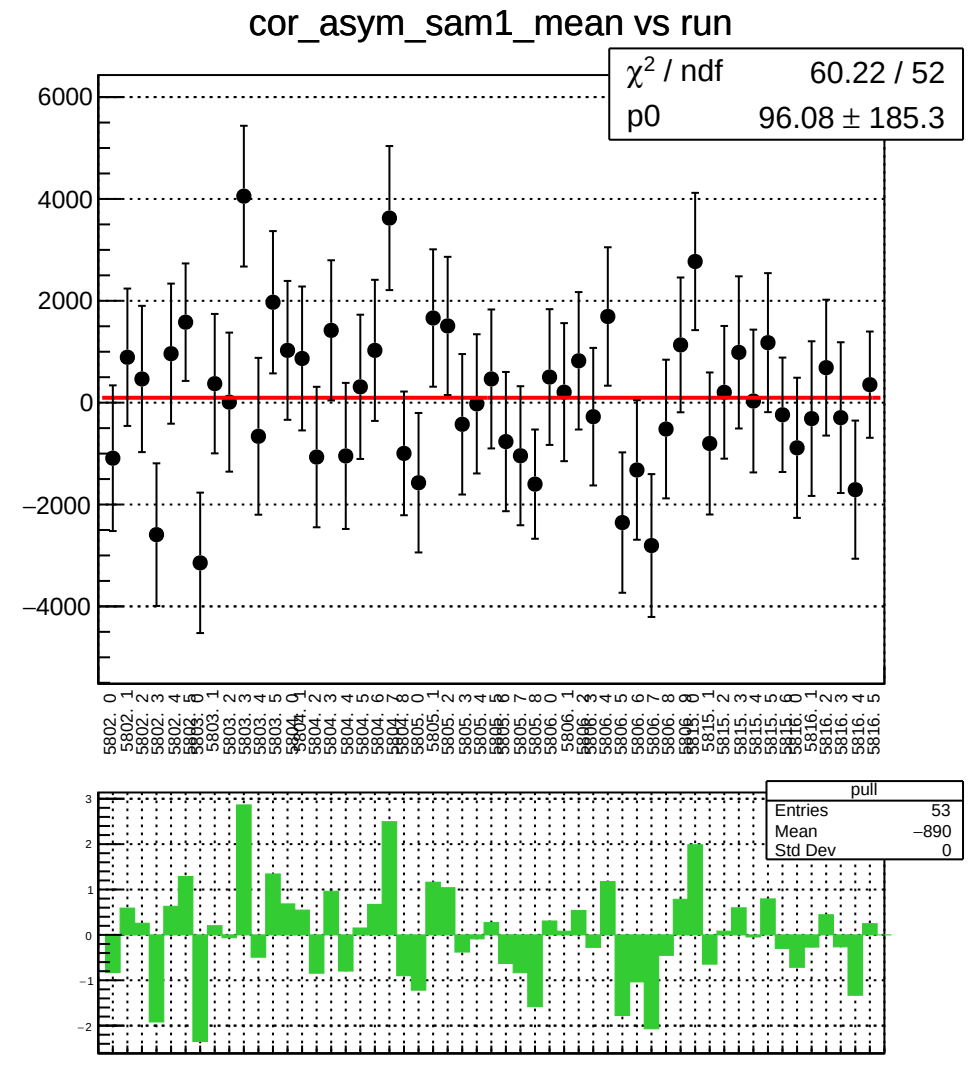
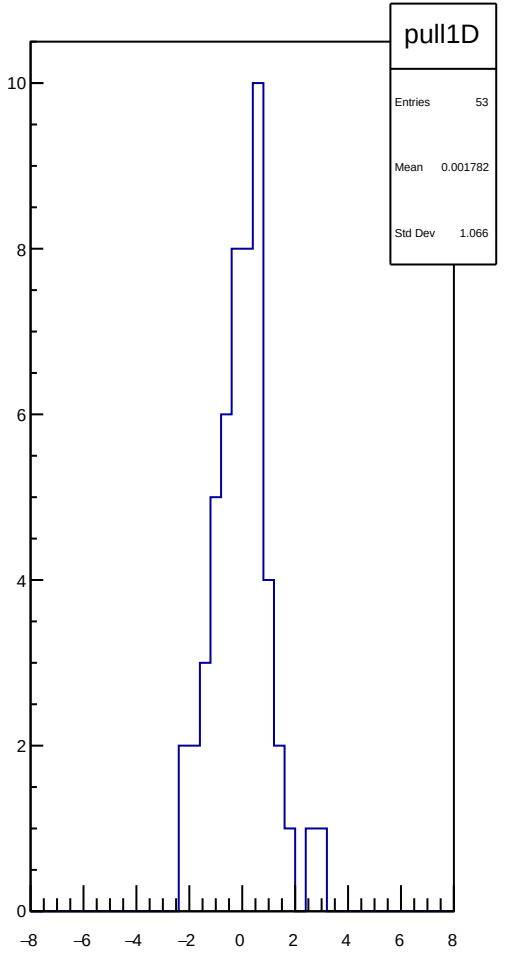
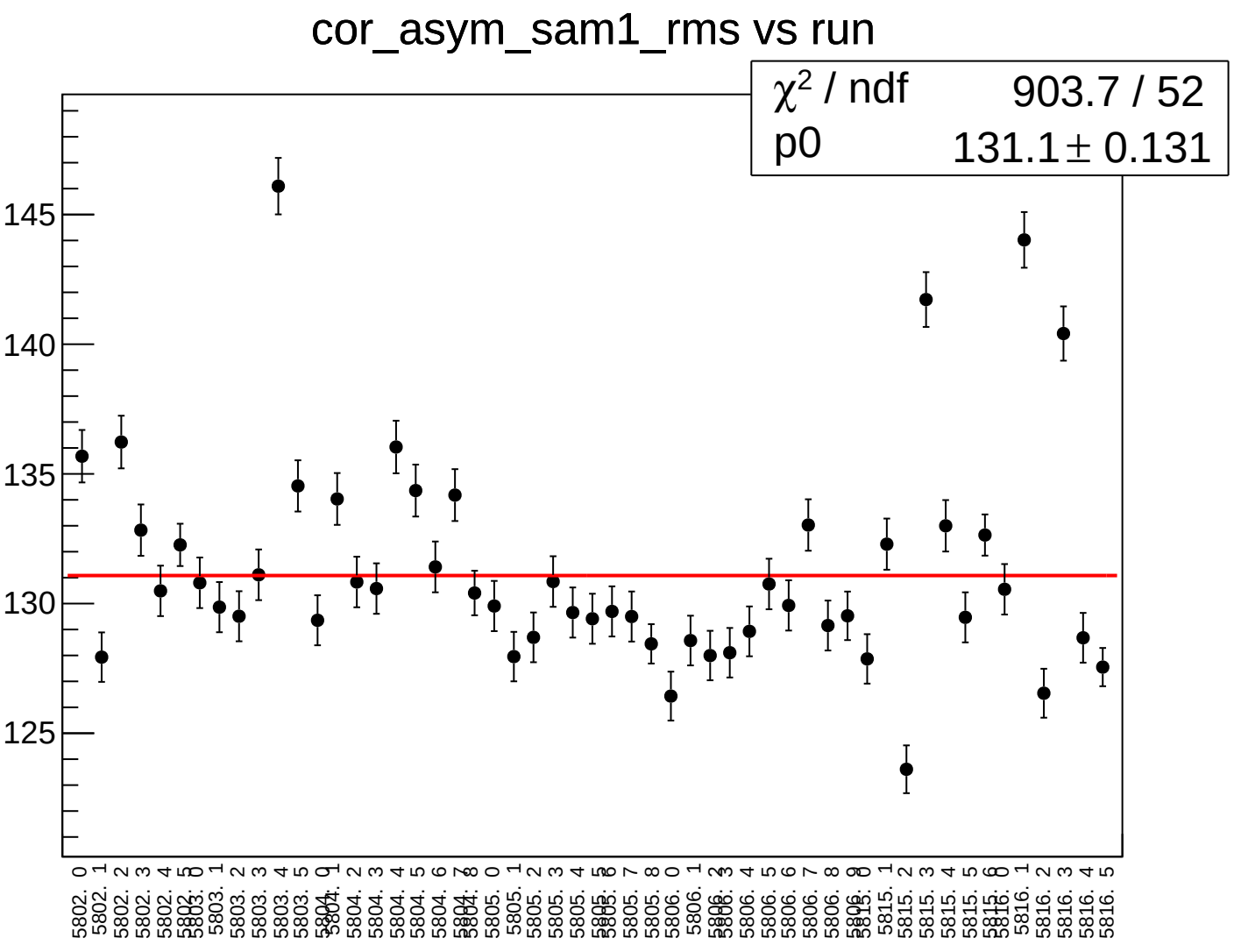
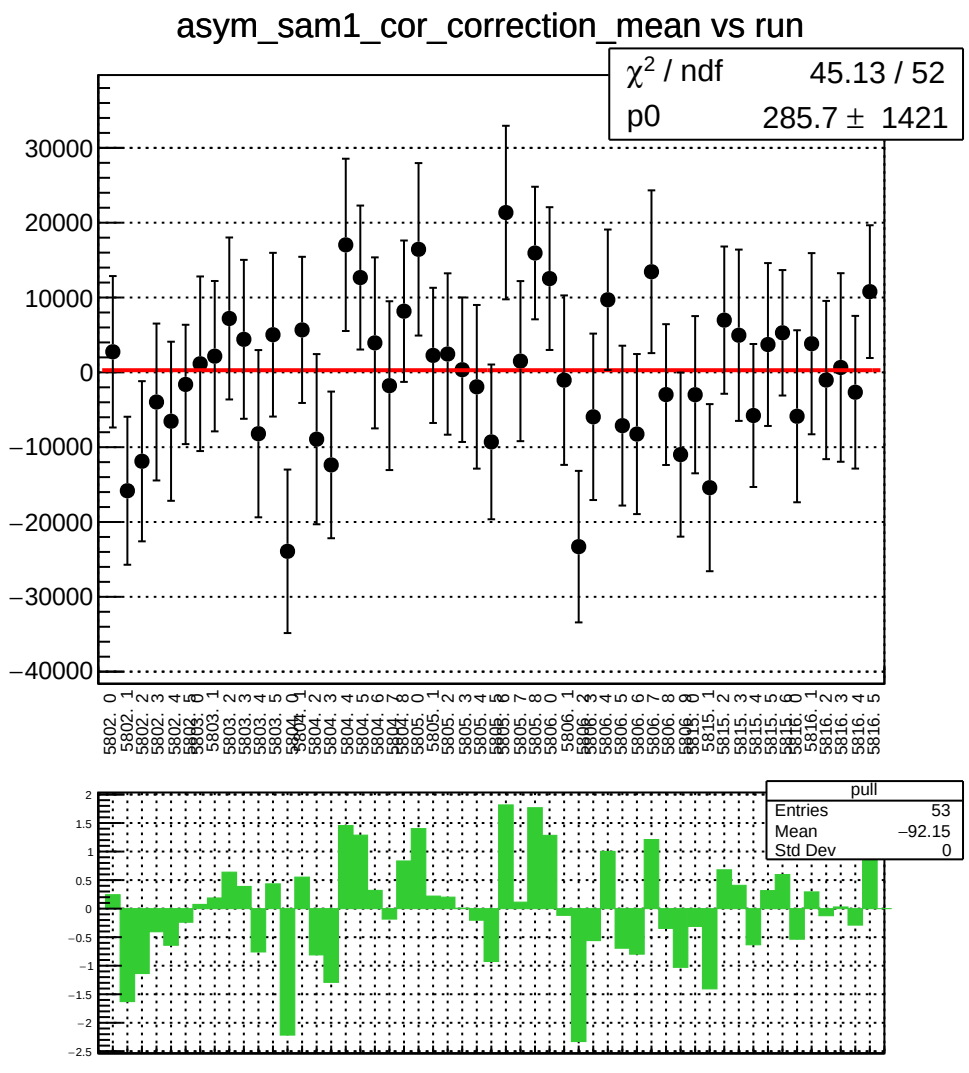
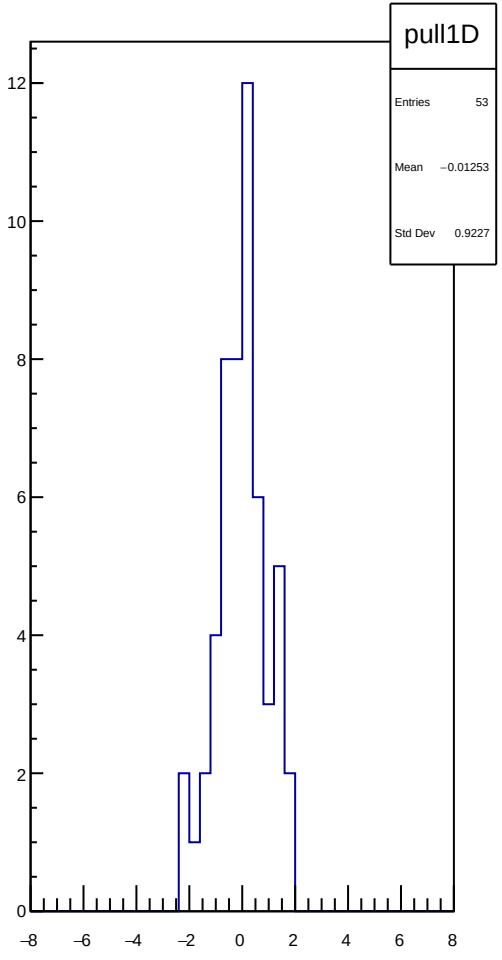
5816. 4
5816. 5

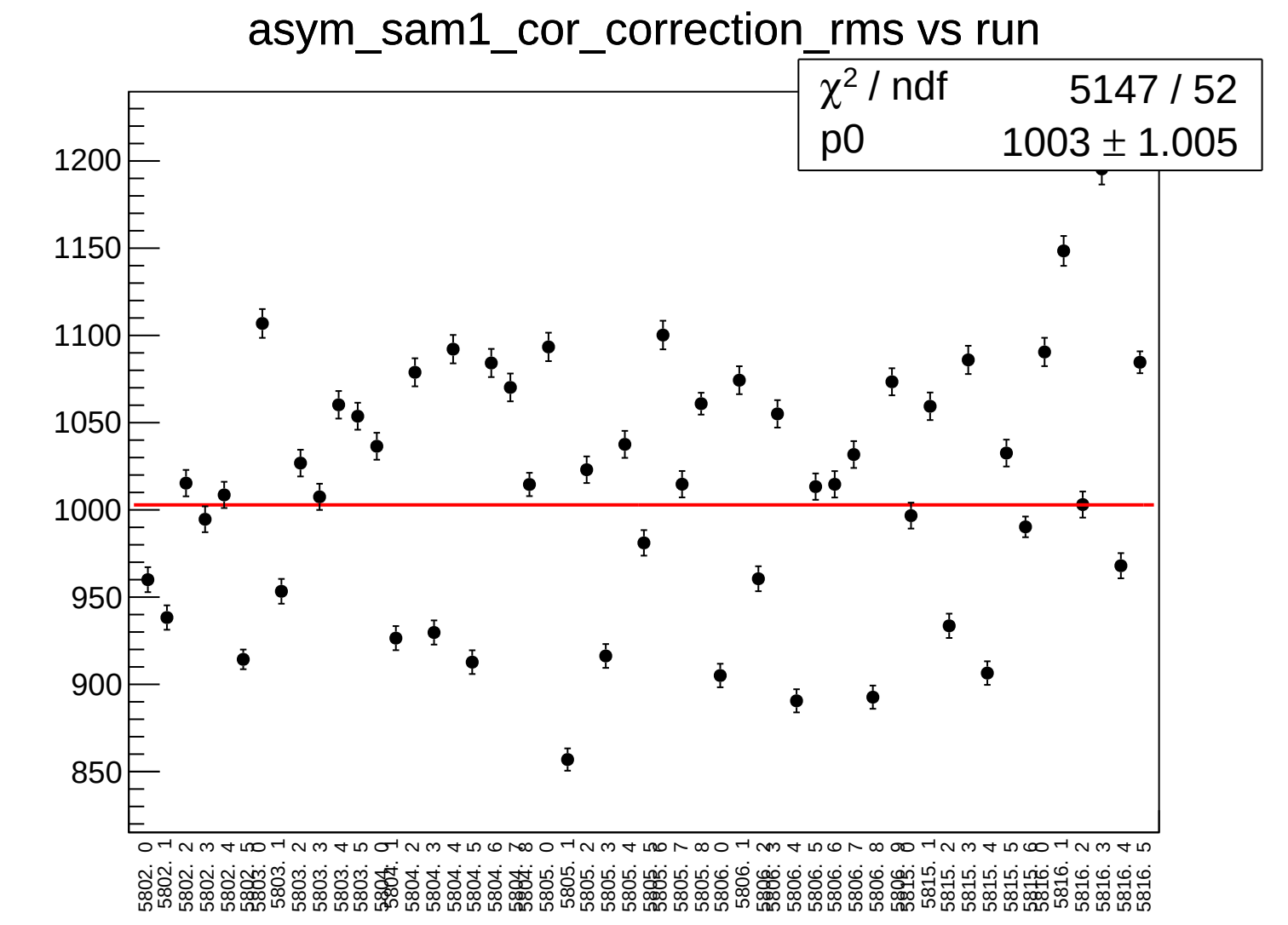

cor_asym_sam1_mean vs run
χ² / ndf 60.22 / 52
p0 96.08 ± 185.3
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −890
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.001782
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ² / ndf 903.7 / 52
p0 131.1 ± 0.131
145
140
135
130
125


asym_sam1_cor_correction_mean vs run
χ² / ndf 45.13 / 52
p0 285.7 ± 1421
pull
Entries 53
Mean −92.15
Std Dev 0


pull1D
Entries 53
Mean −0.01253
Std Dev 0.9227


asym_sam1_cor_correction_rms vs run
χ² / ndf 5147 / 52
p0 1003 ± 1.005
1200
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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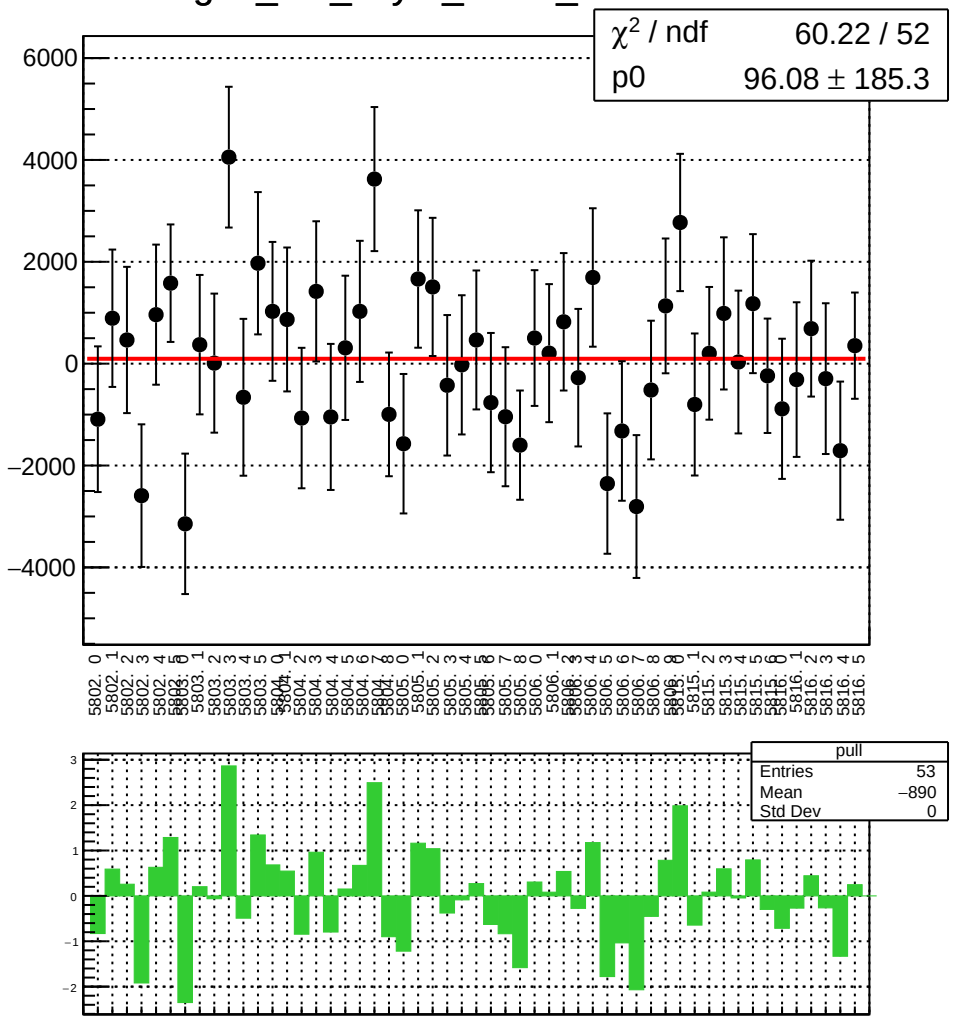
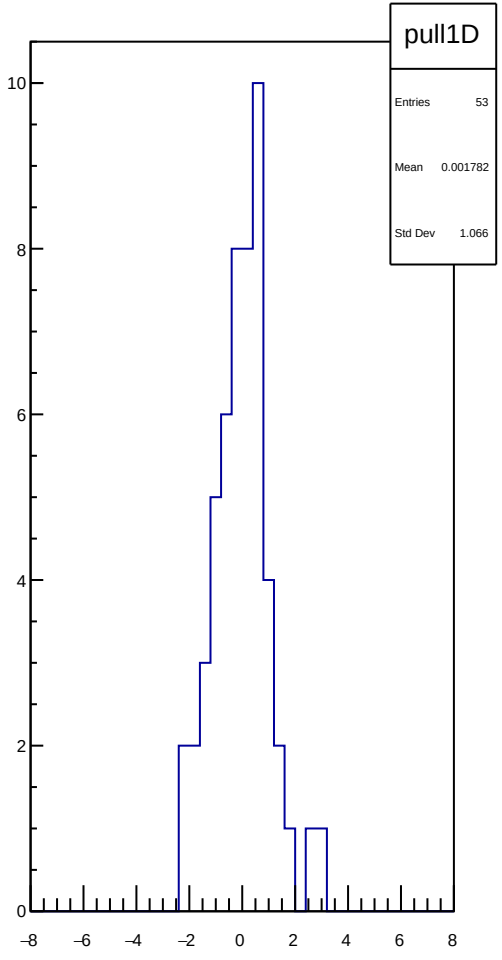
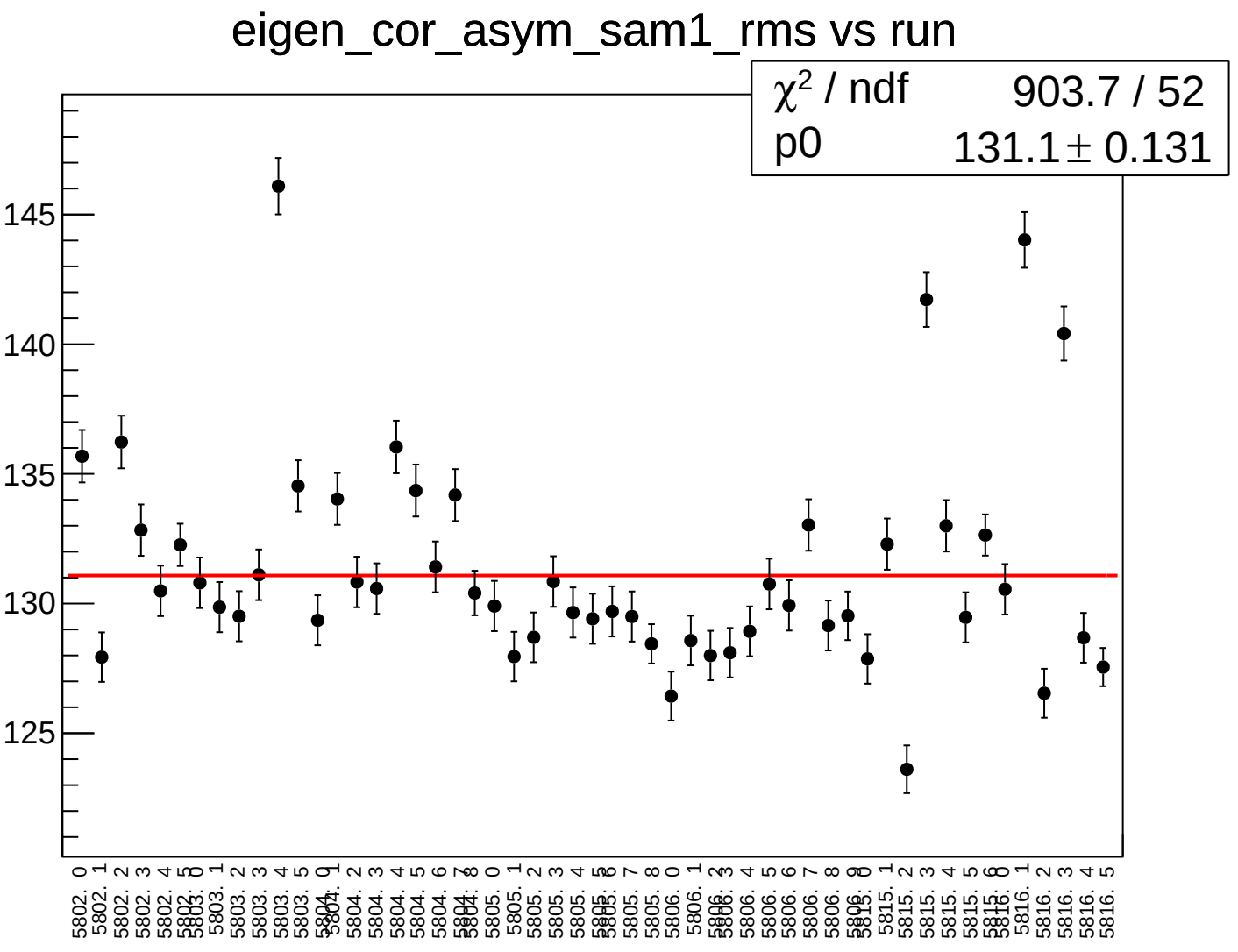
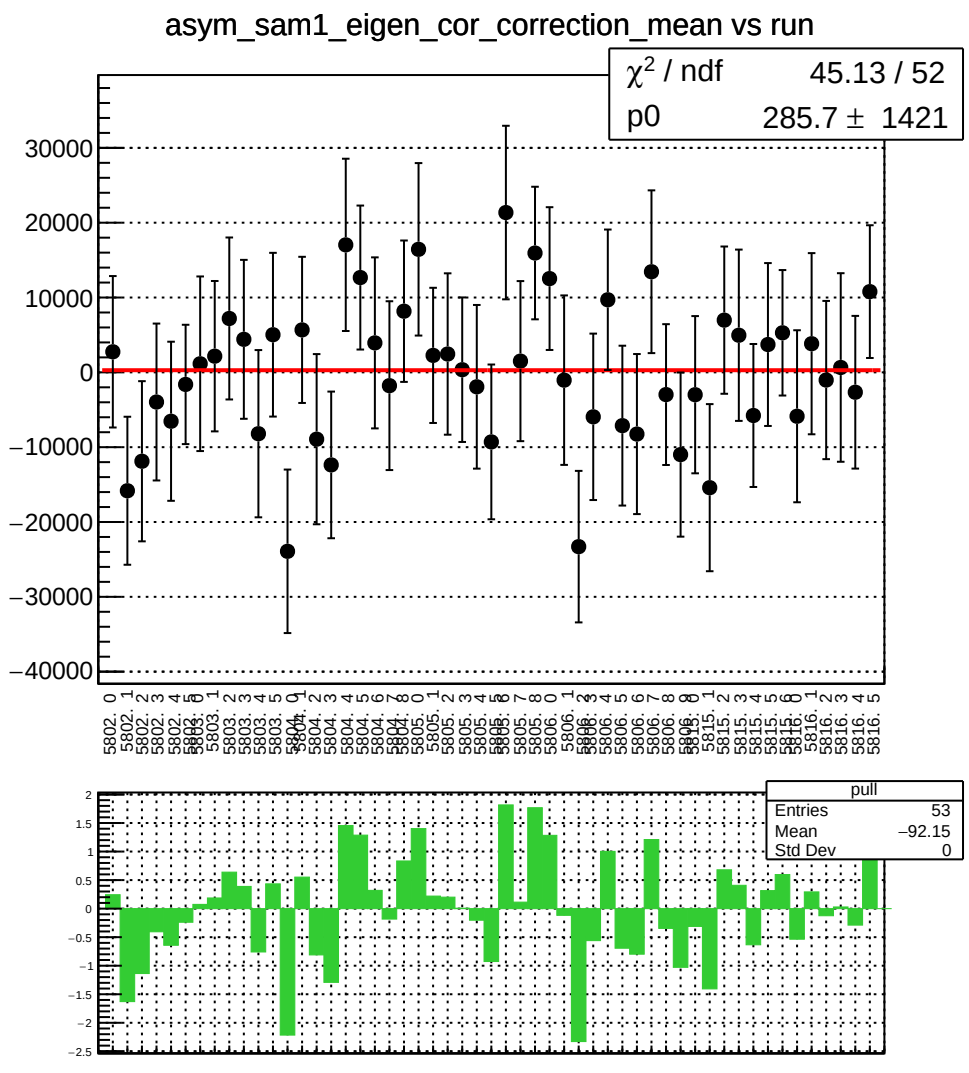
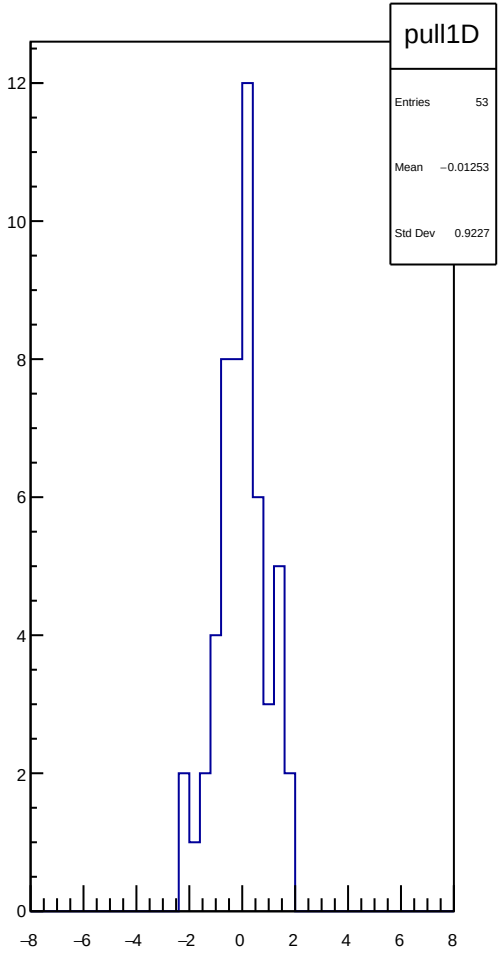
5816. 4
5816. 5

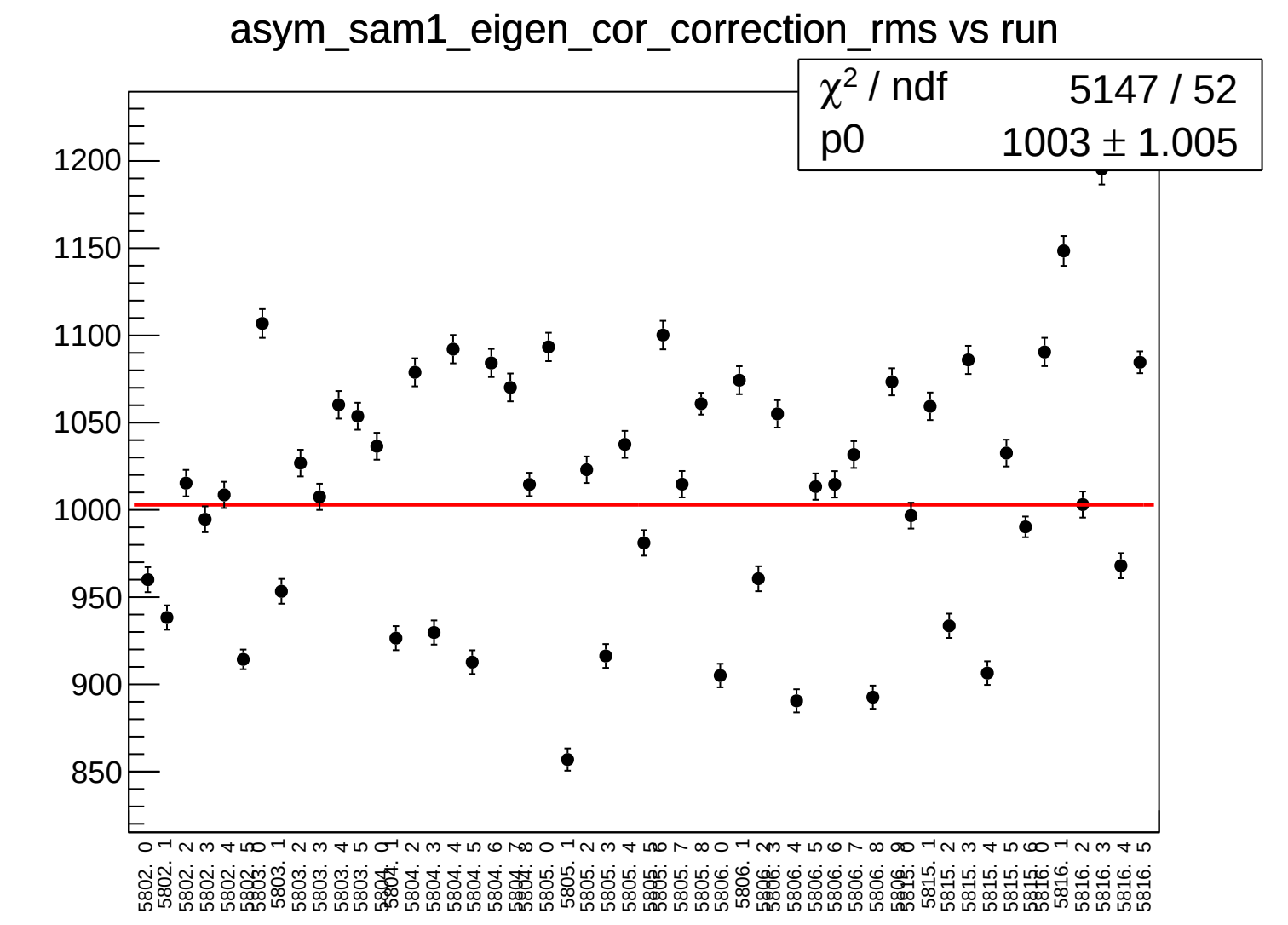

eigen_cor_asym_sam1_mean vs run
χ² / ndf 60.22 / 52
p0 96.08 ± 185.3
pull
Entries 53
Mean −890
Std Dev 0


pull1D
Entries 53
Mean 0.001782
Std Dev 1.066


eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 903.7 / 52
p0 131.1 ± 0.131
145
140
135
130
125


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 45.13 / 52
p0 285.7 ± 1421
pull
Entries 53
Mean −92.15
Std Dev 0


pull1D
Entries 53
Mean −0.01253
Std Dev 0.9227


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 5147 / 52
p0 1003 ± 1.005
1200
1150
1100
1050
1000
950
900
850
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
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5804. 6
5805. 0
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5805. 8
5806. 0
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5806. 4
5806. 5
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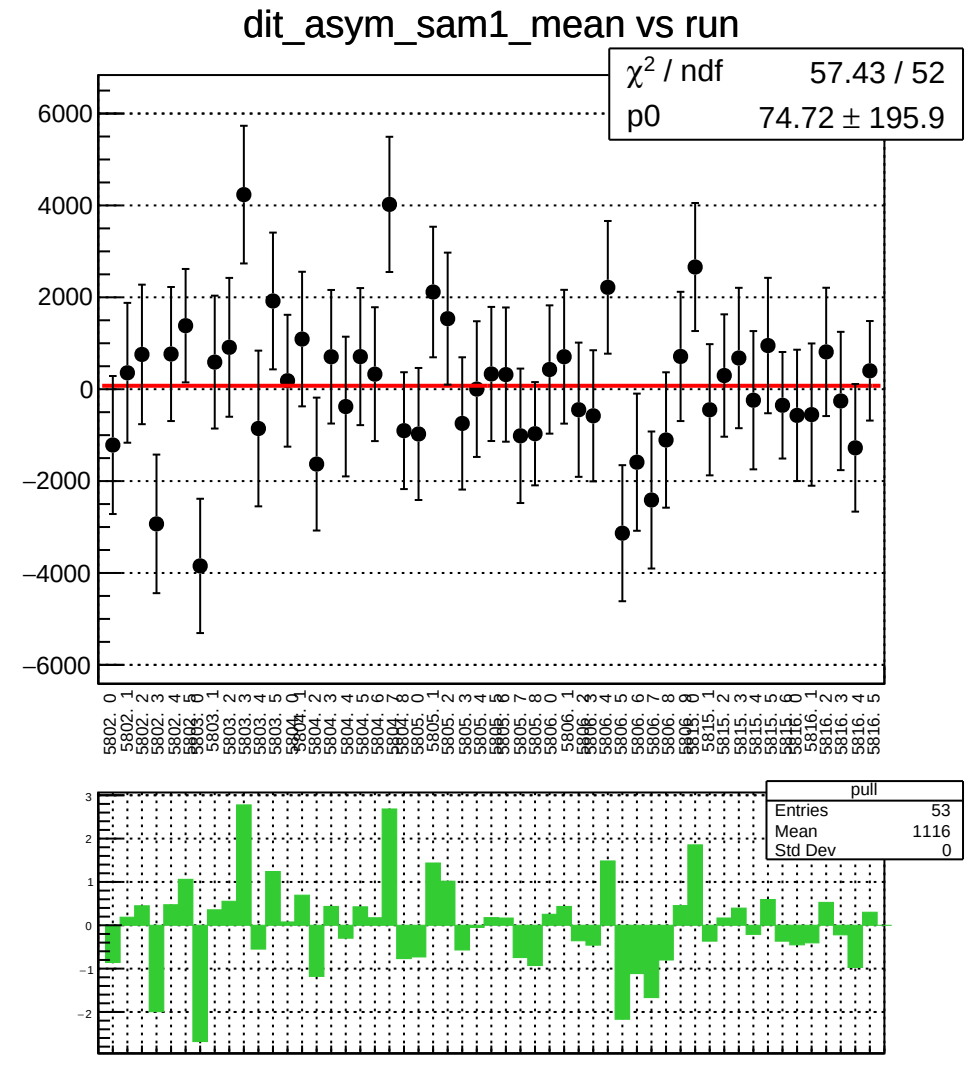
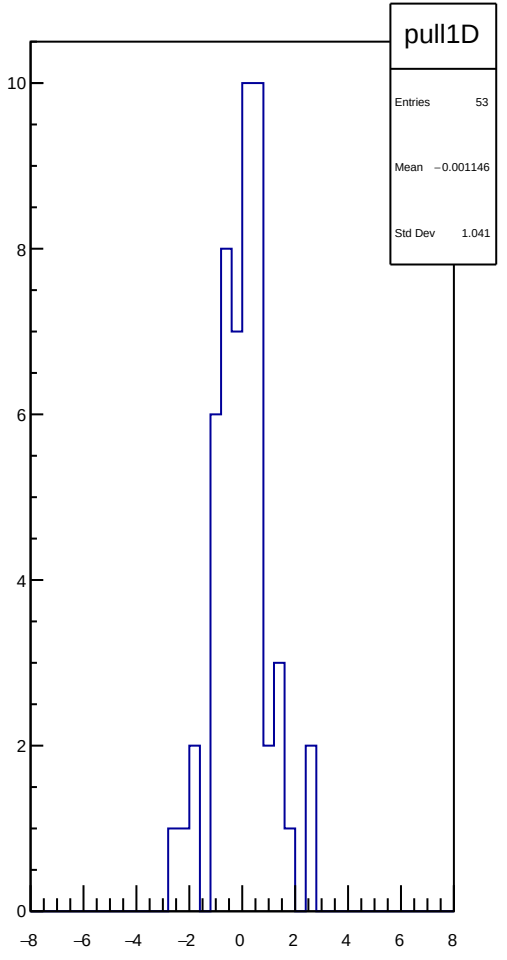
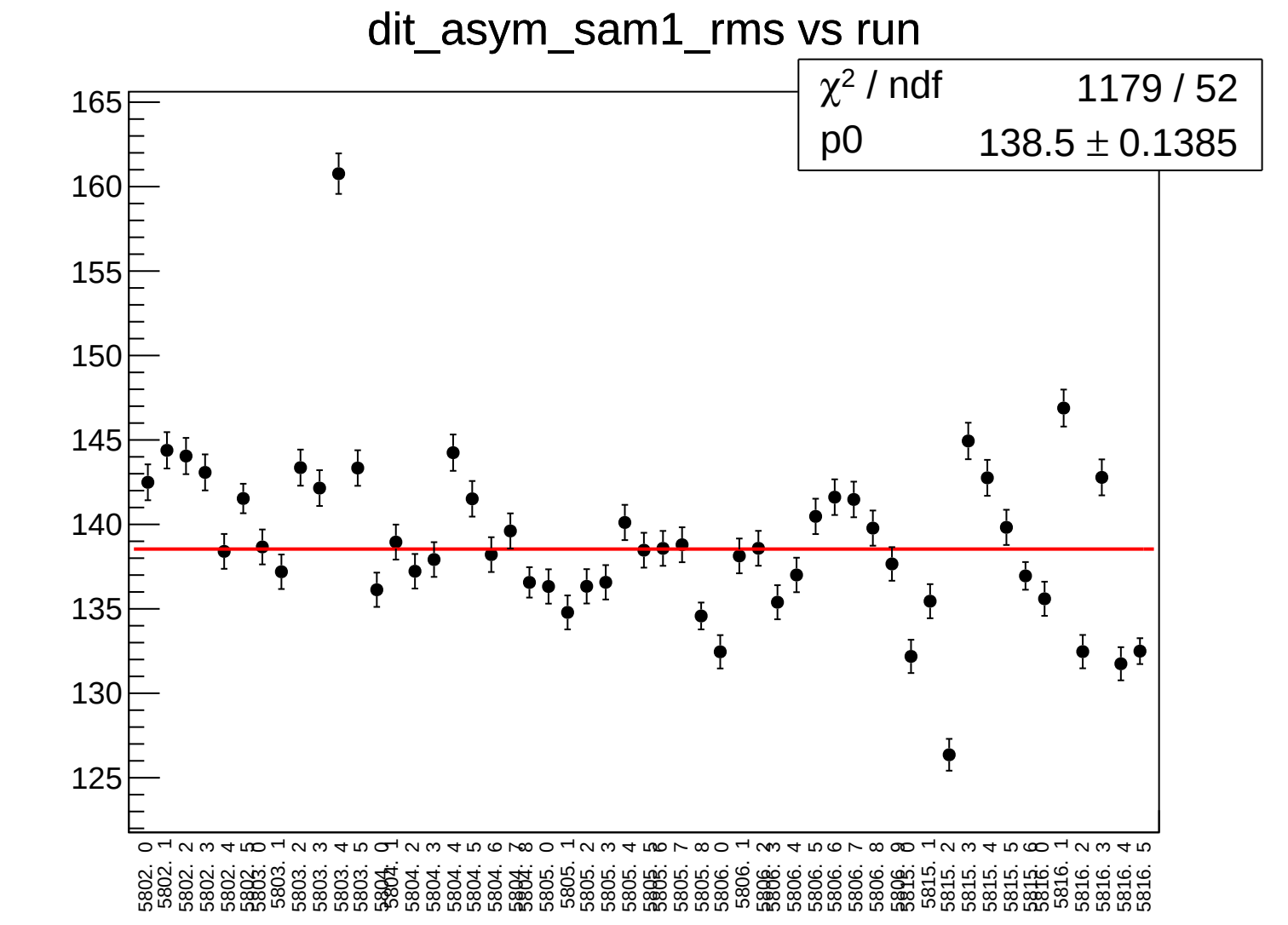
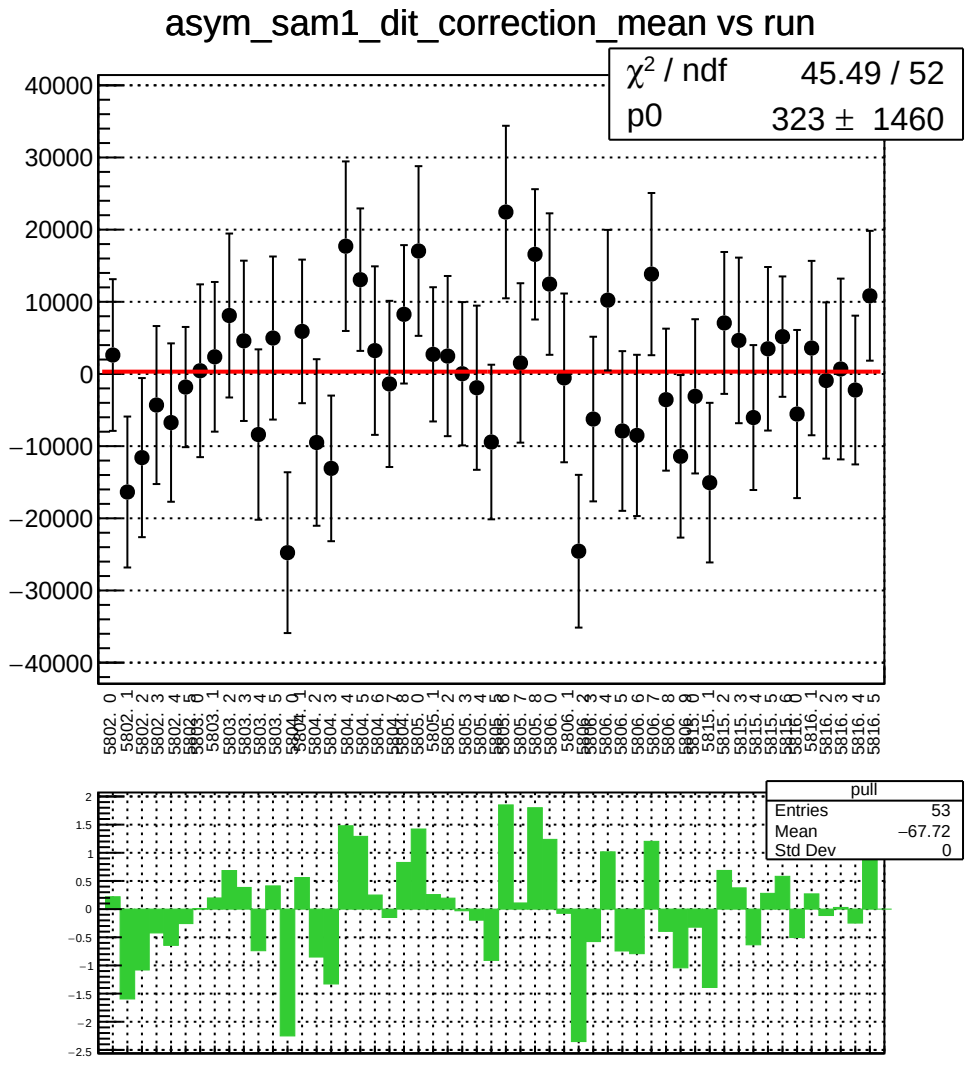
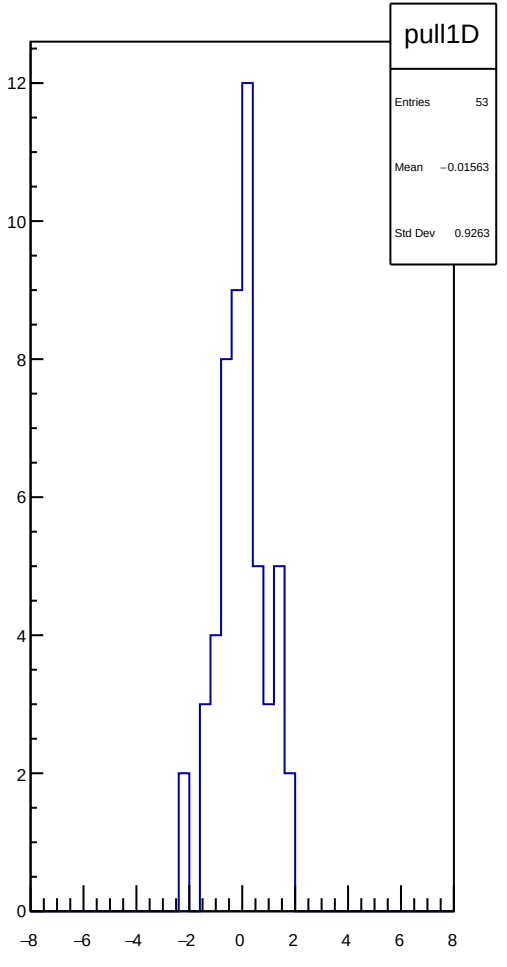
5816. 4
5816. 5

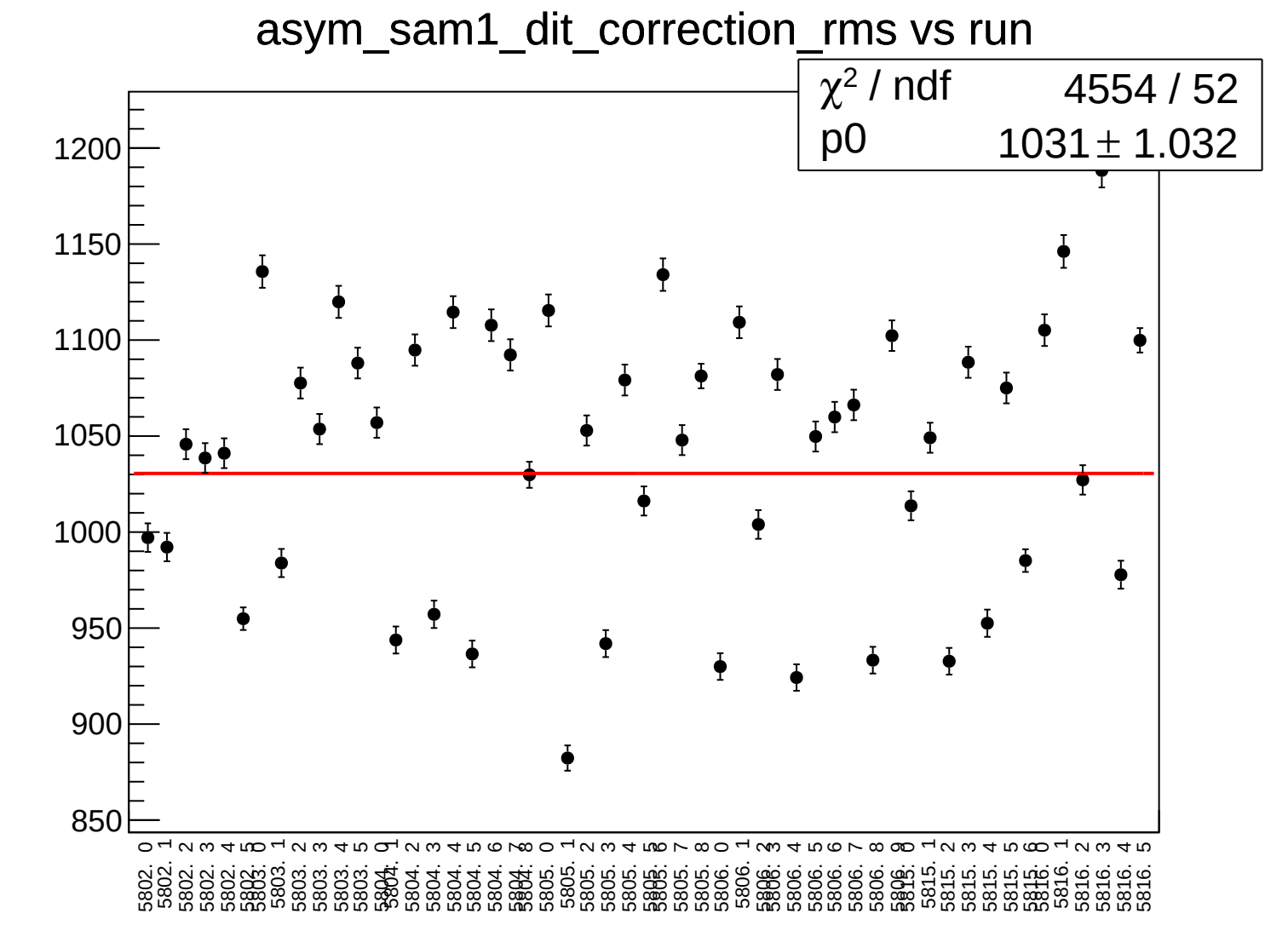

dit_asym_sam1_mean vs run
χ² / ndf 57.43 / 52
p0 74.72 ± 195.9
pull
Entries 53
Mean 1116
Std Dev 0

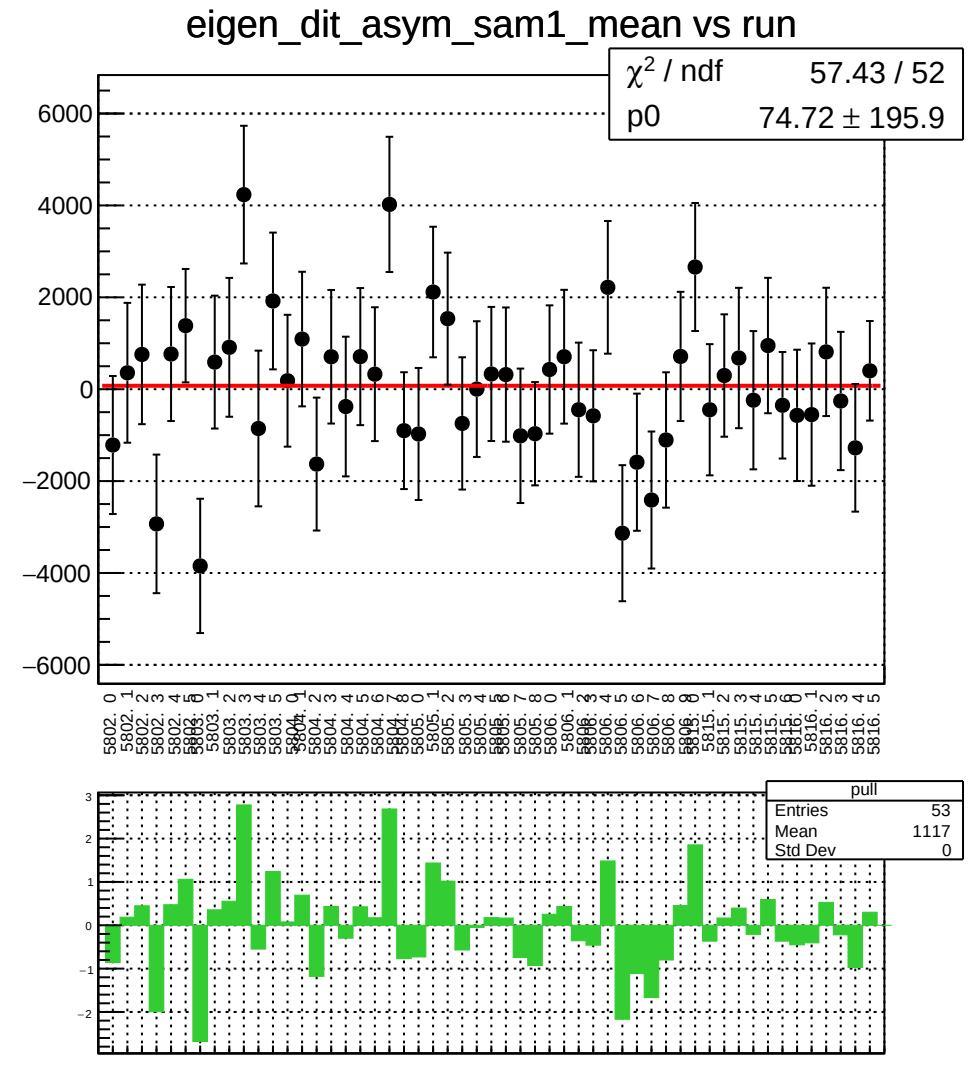

pull1D
Entries 53
Mean −0.001146
Std Dev 1.041

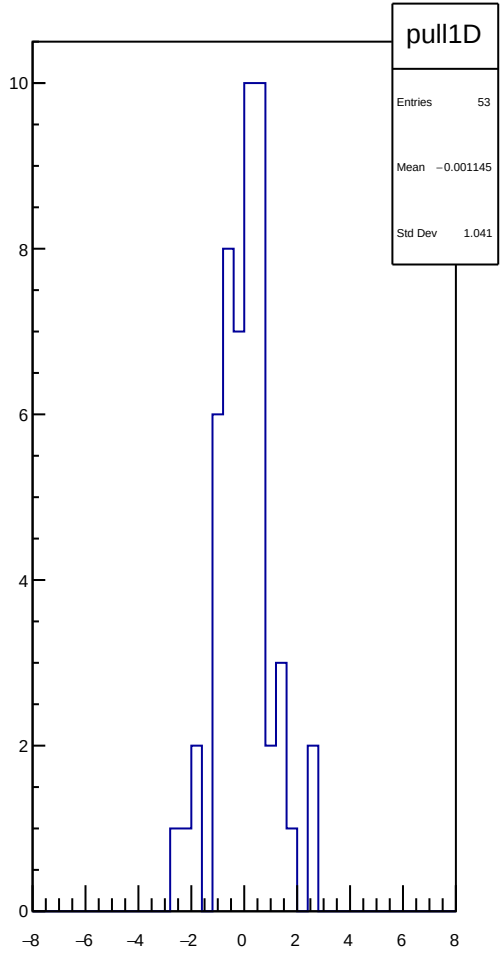

dit_asym_sam1_rms vs run
χ² / ndf 1179 / 52
p0 138.5 ± 0.1385
165
160
155
150
145
140
135
130
125

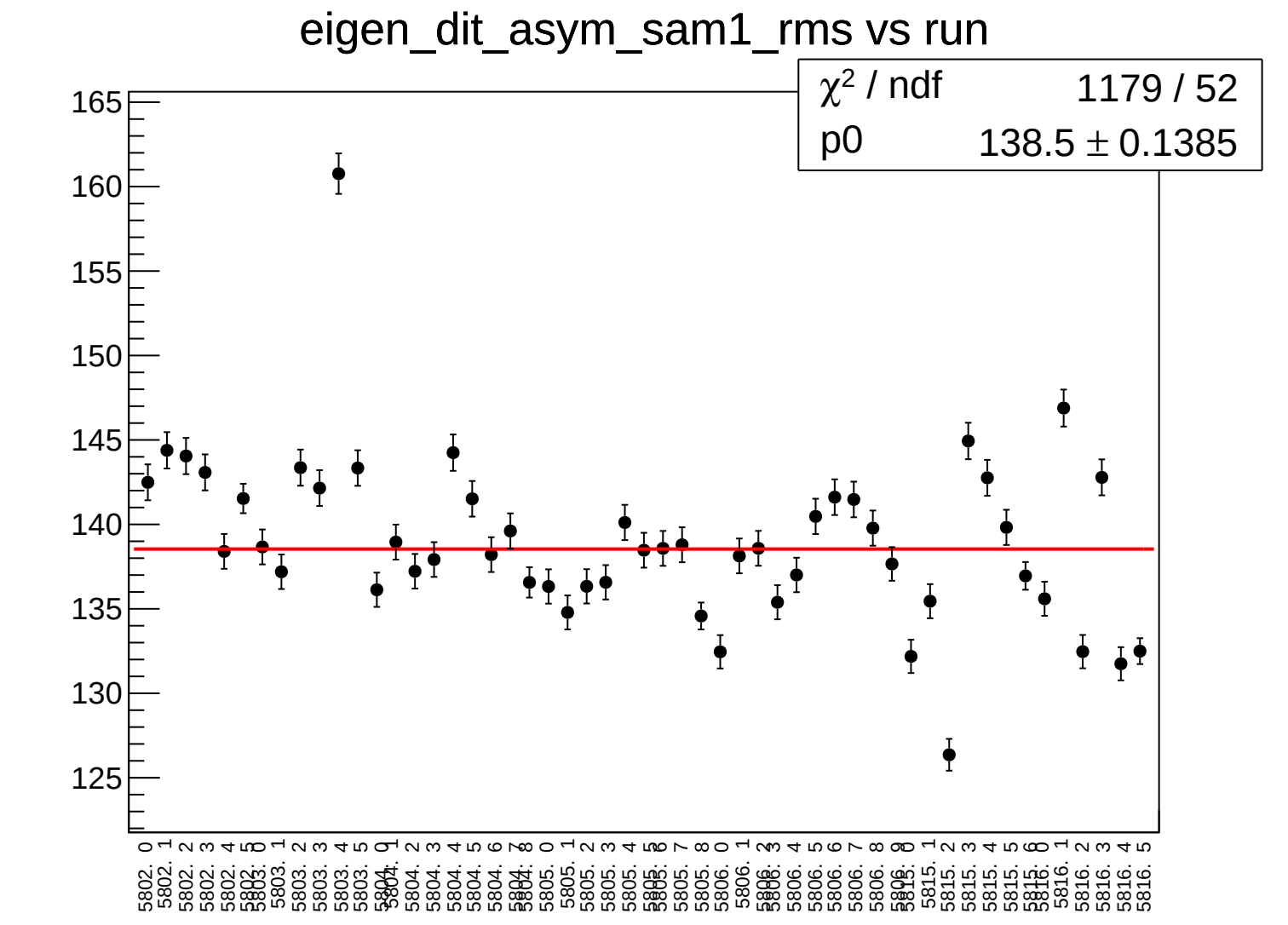

asym_sam1_dit_correction_mean vs run
χ² / ndf 45.49 / 52
p0 323 ± 1460
pull
Entries 53
Mean −67.72
Std Dev 0

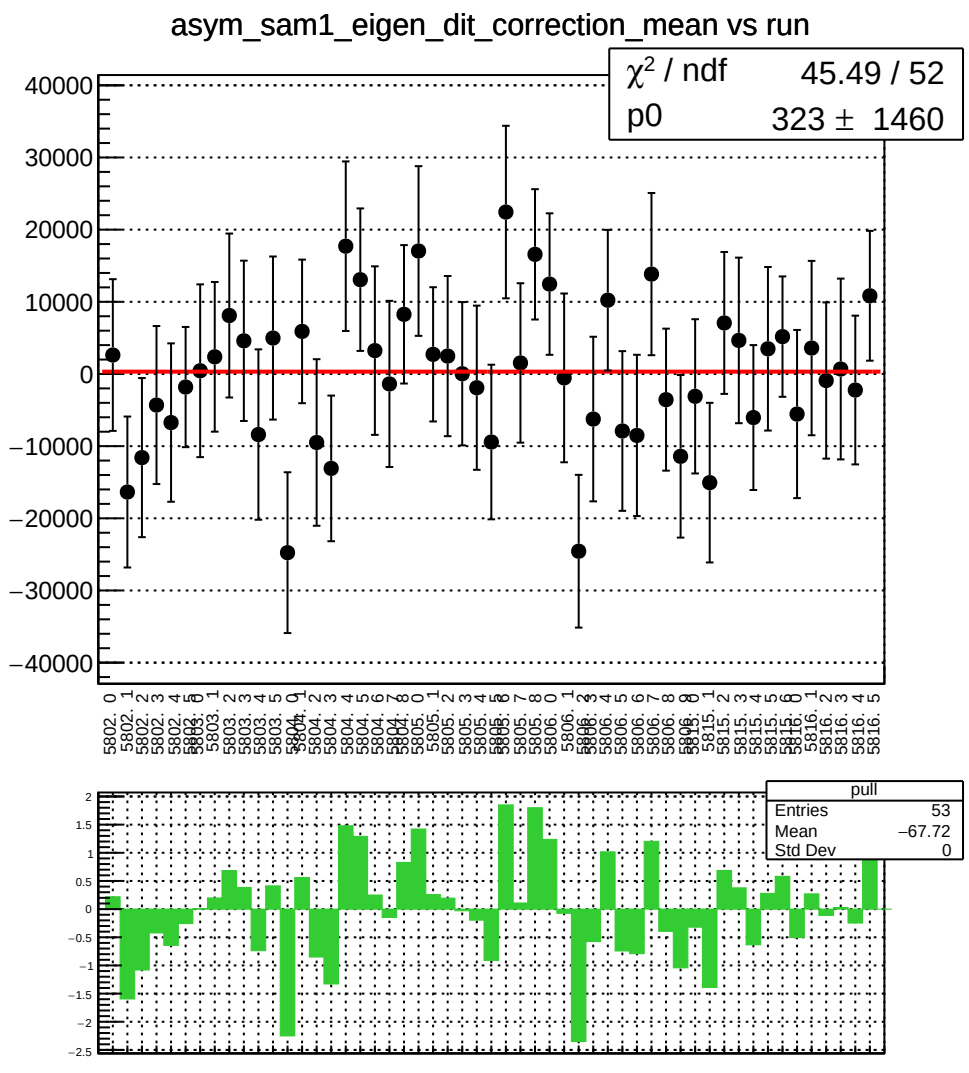

pull1D
Entries 53
Mean −0.01563
Std Dev 0.9263

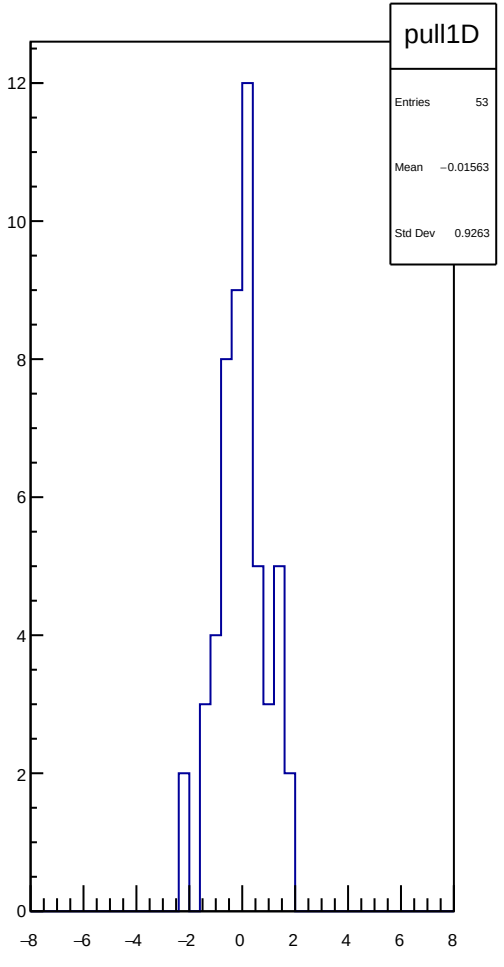

asym_sam1_dit_correction_rms vs run
χ² / ndf 4554 / 52
p0 1031 ± 1.032
1200
1150
1100
1050
1000
950
900
850

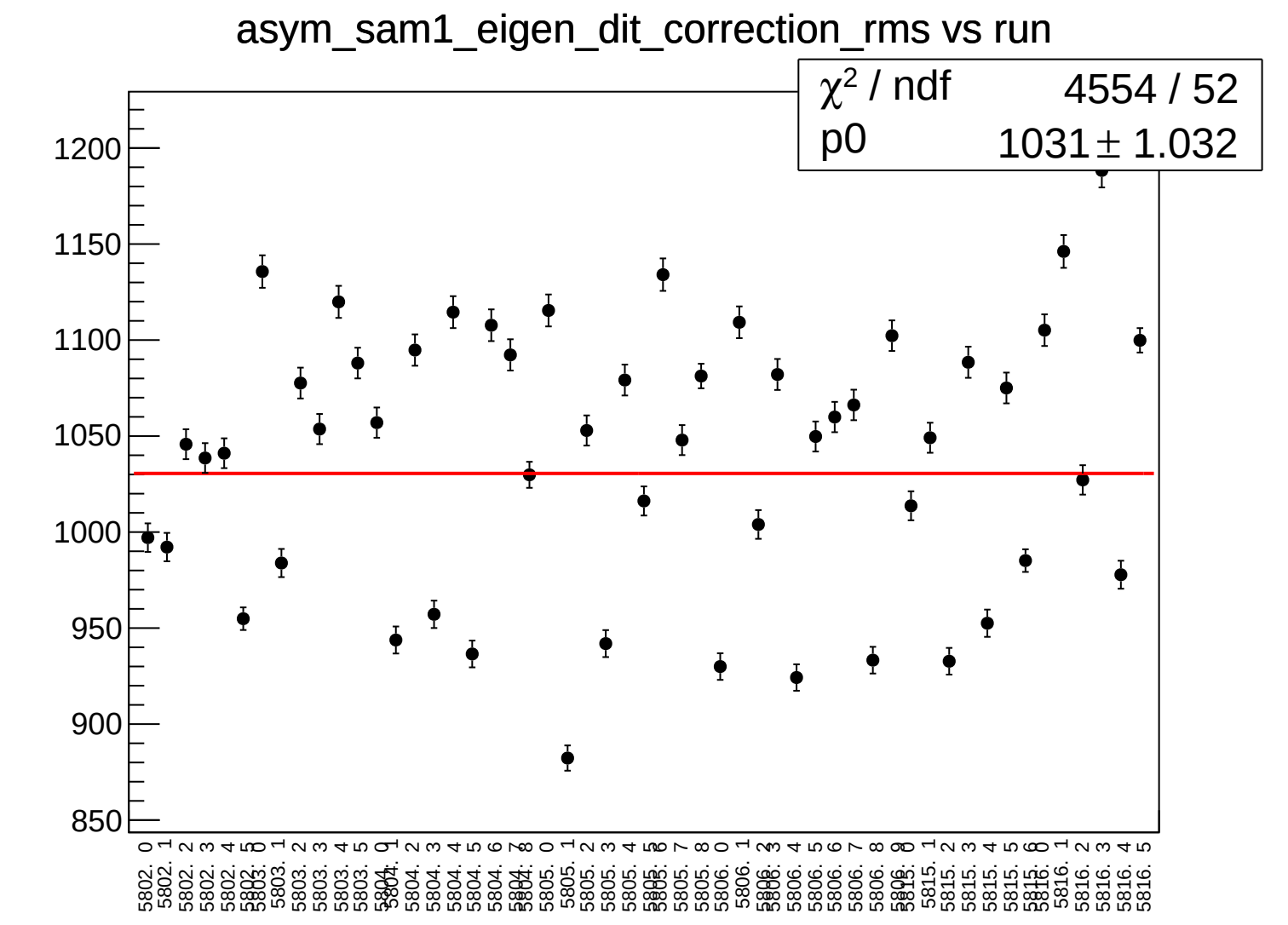

eigen_dit_asym_sam1_mean vs run
χ² / ndf 57.43 / 52
p0 74.72 ± 195.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 1117
Std Dev 0
3
2
1
0
−1
−2

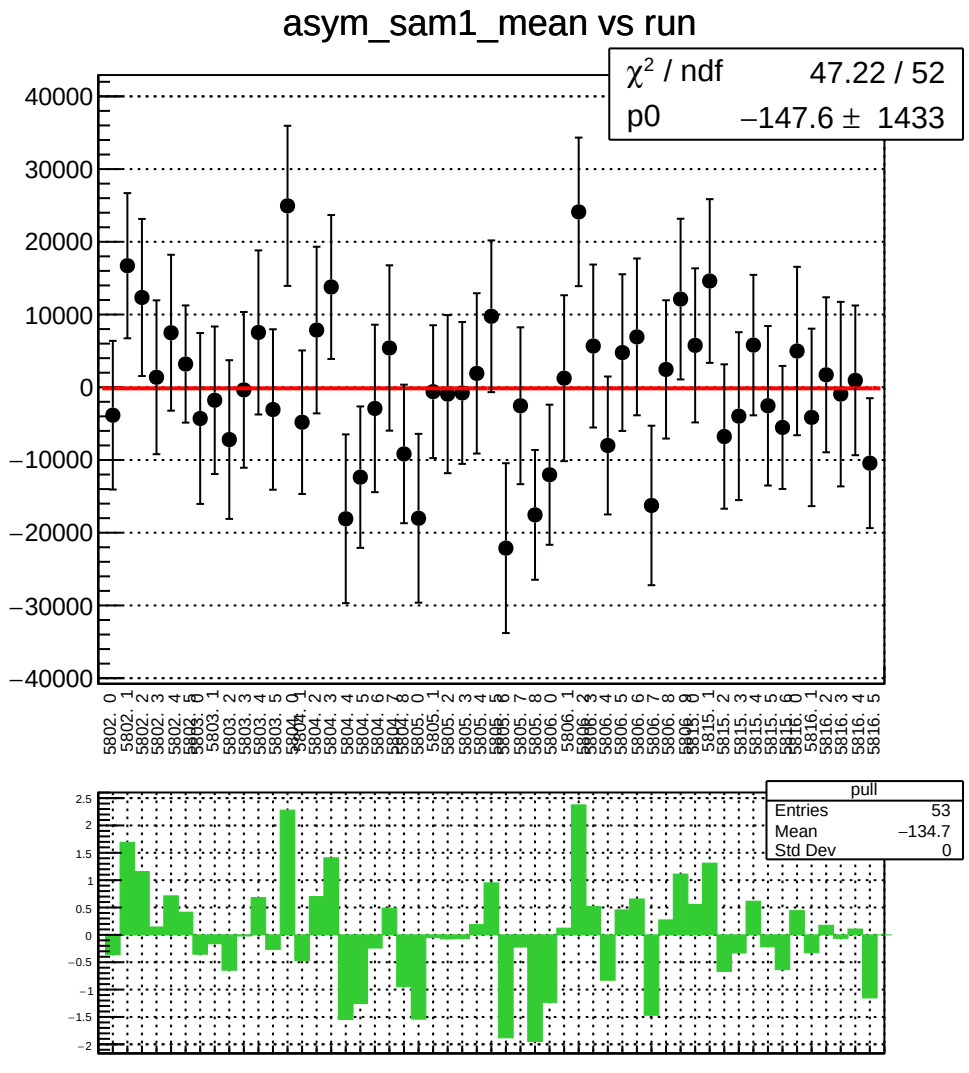

pull1D
Entries 53
Mean −0.001145
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

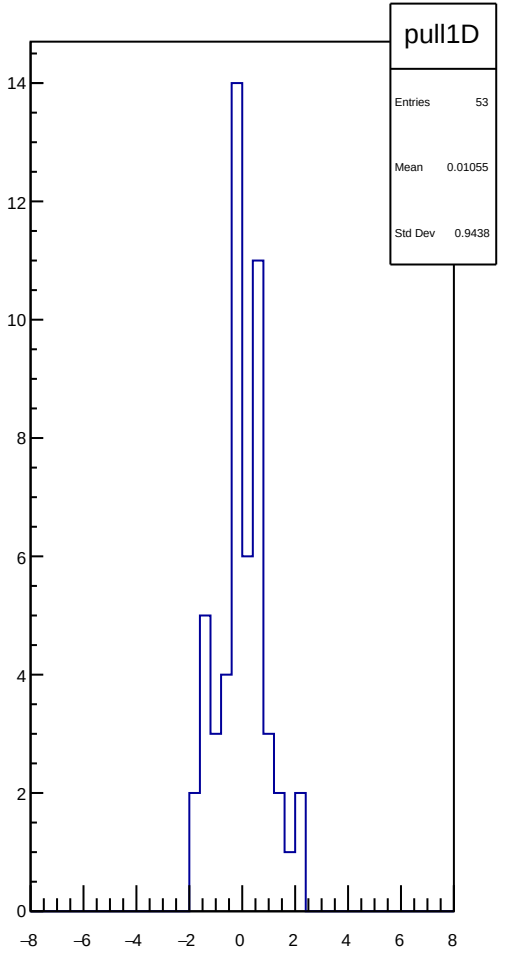

eigen_dit_asym_sam1_rms vs run
χ² / ndf 1179 / 52
p0 138.5 ± 0.1385
165
160
155
150
145
140
135
130
125

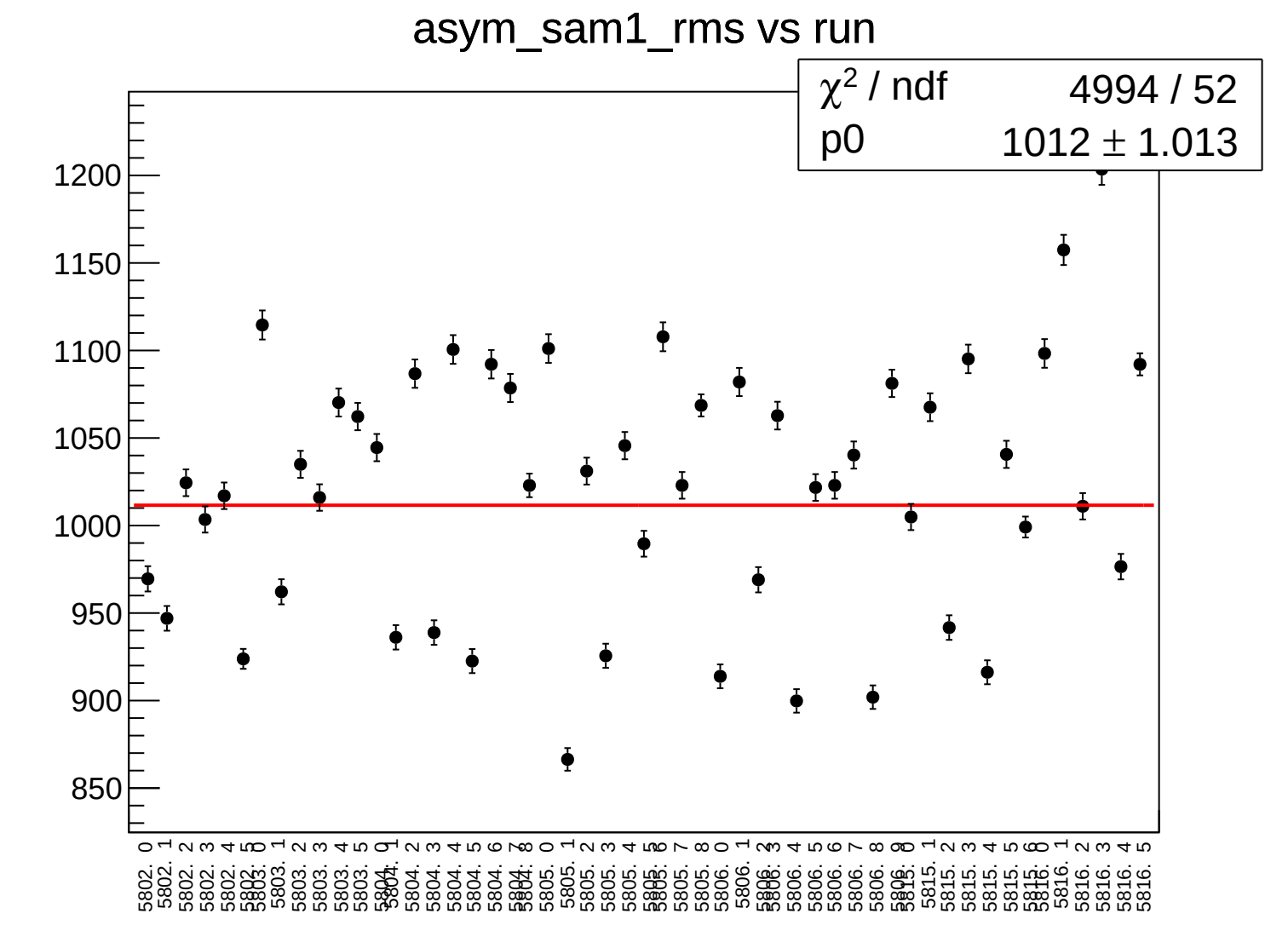

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 45.49 / 52
p0 323 ± 1460
pull
Entries 53
Mean −67.72
Std Dev 0

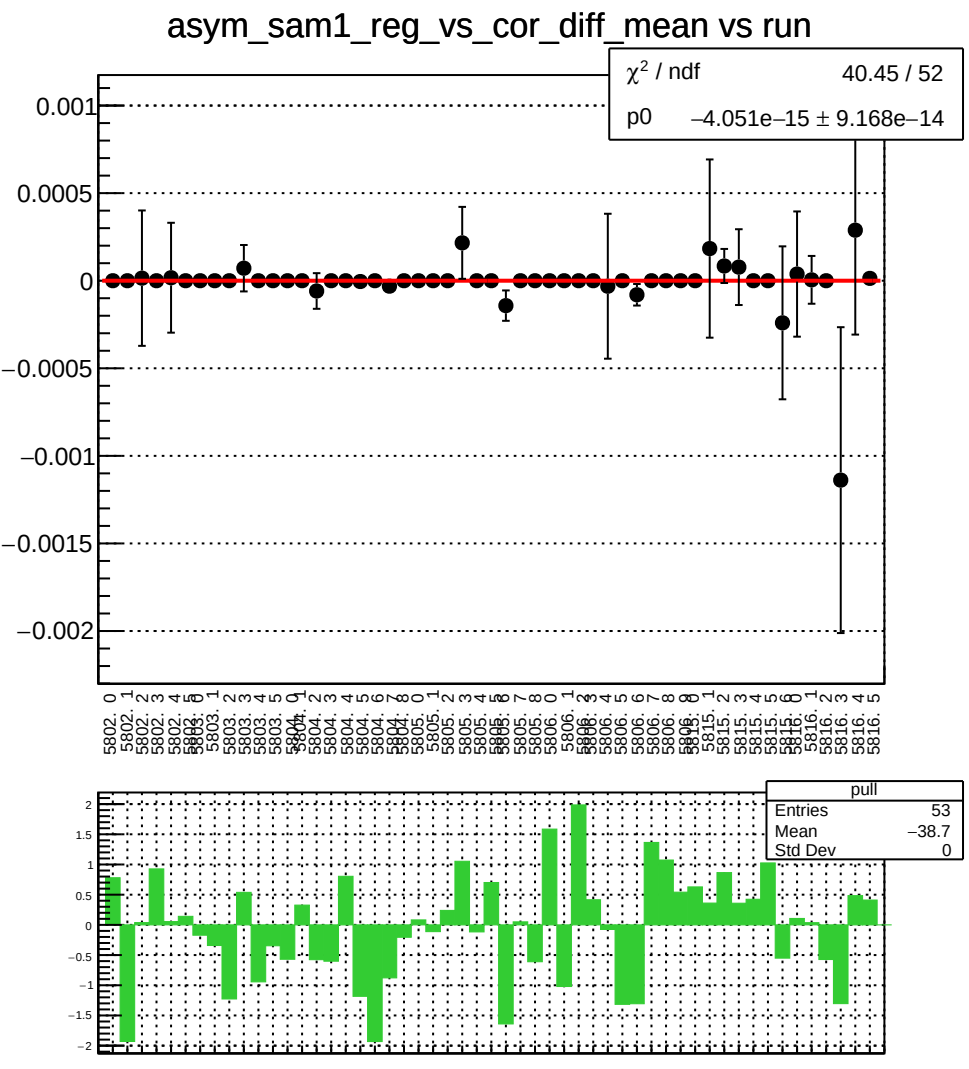

pull1D
Entries 53
Mean −0.01563
Std Dev 0.9263

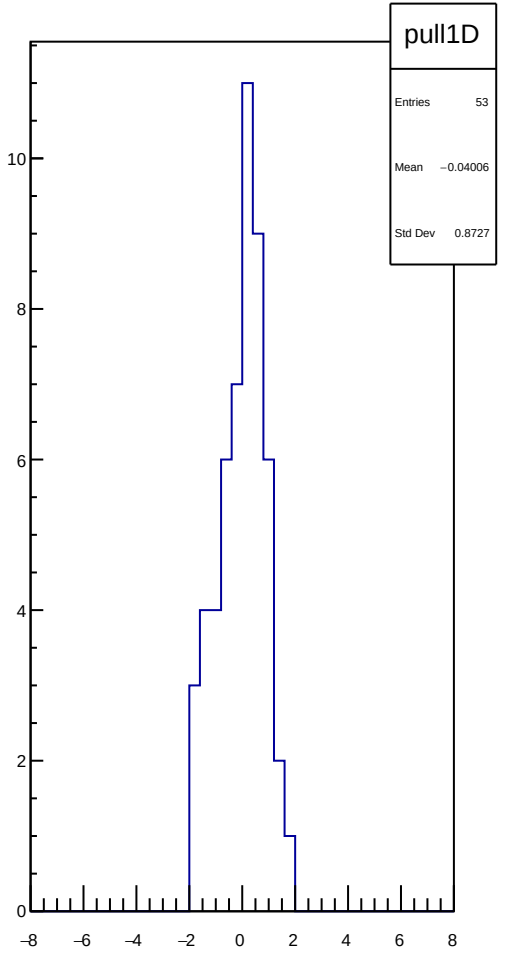

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 4554 / 52
p0 1031 ± 1.032
1200
1150
1100
1050
1000
950
900
850

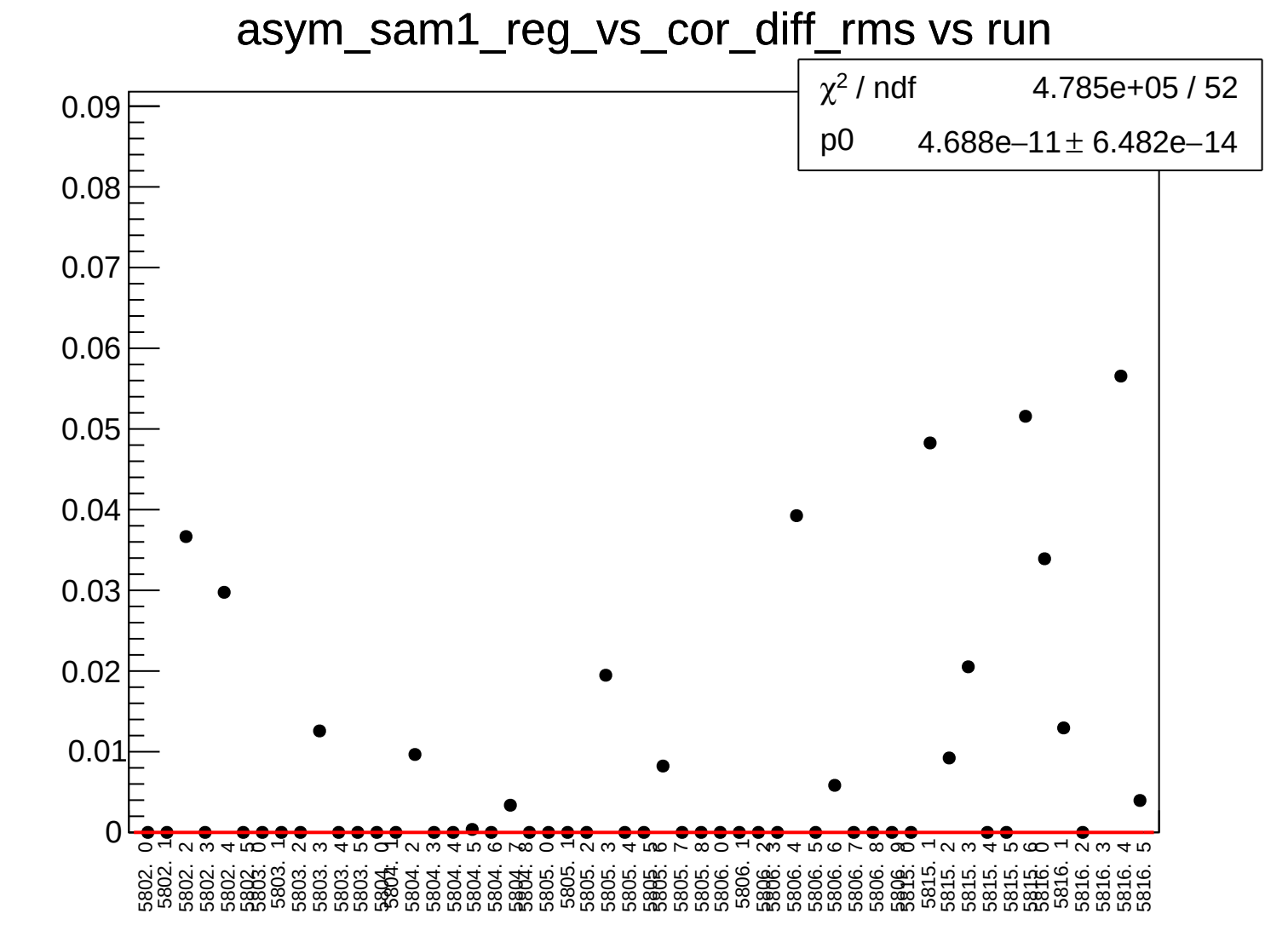

asym_sam1_mean vs run
χ² / ndf 47.22 / 52
p0 −147.6 ± 1433
pull
Entries 53
Mean −134.7
Std Dev 0

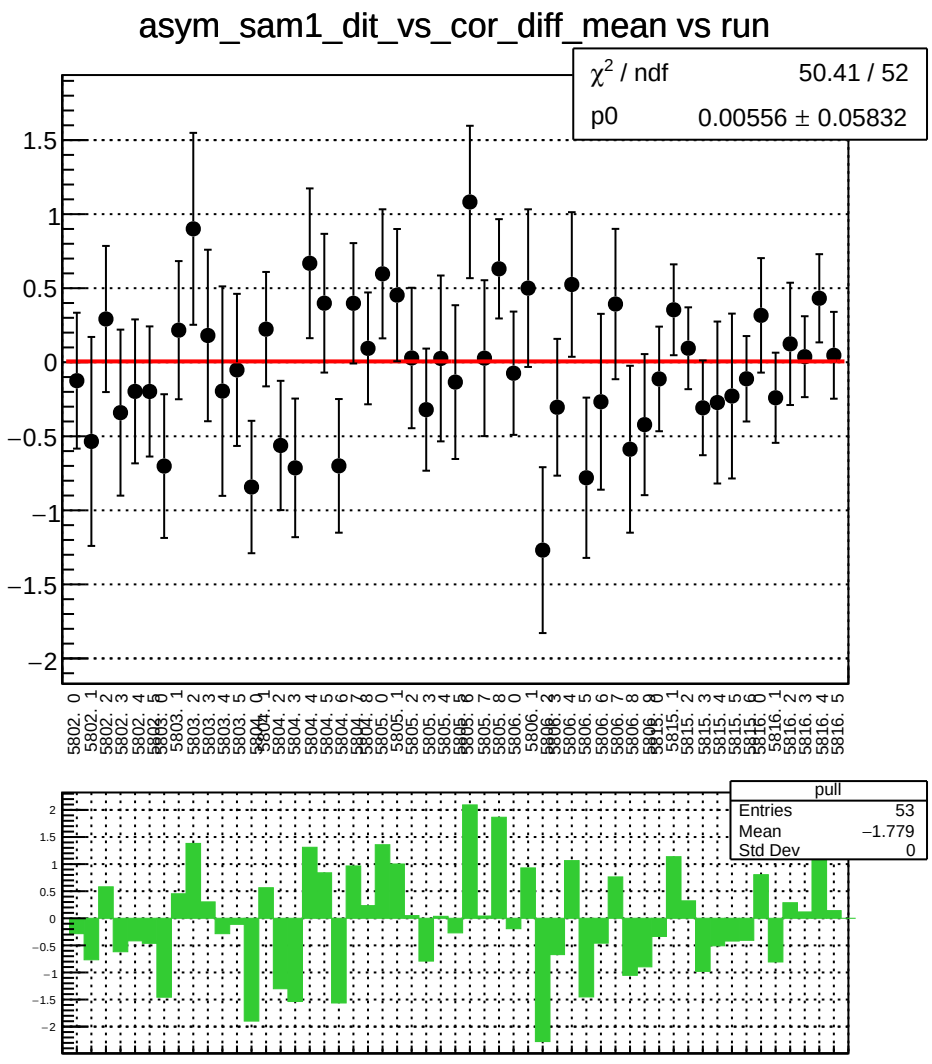

pull1D
Entries 53
Mean 0.01055
Std Dev 0.9438

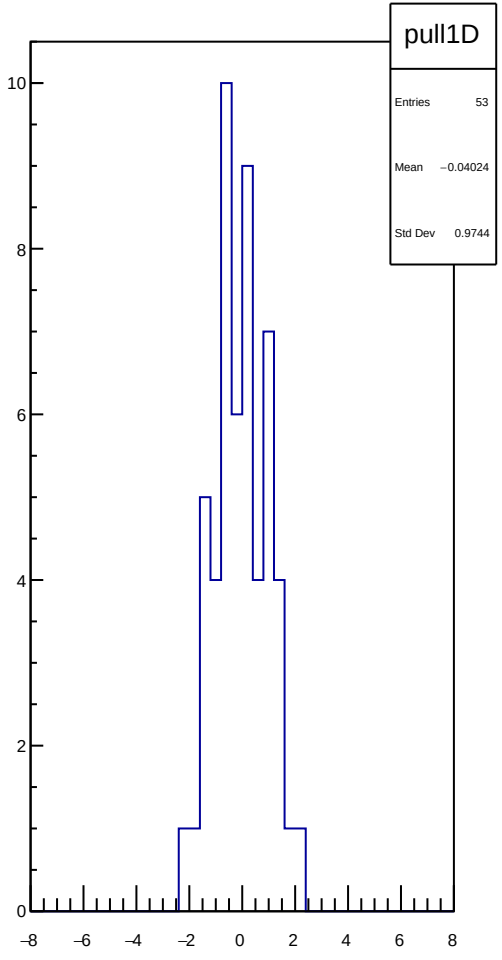

asym_sam1_rms vs run
χ² / ndf 4994 / 52
p0 1012 ± 1.013
1200
1150
1100
1050
1000
950
900
850

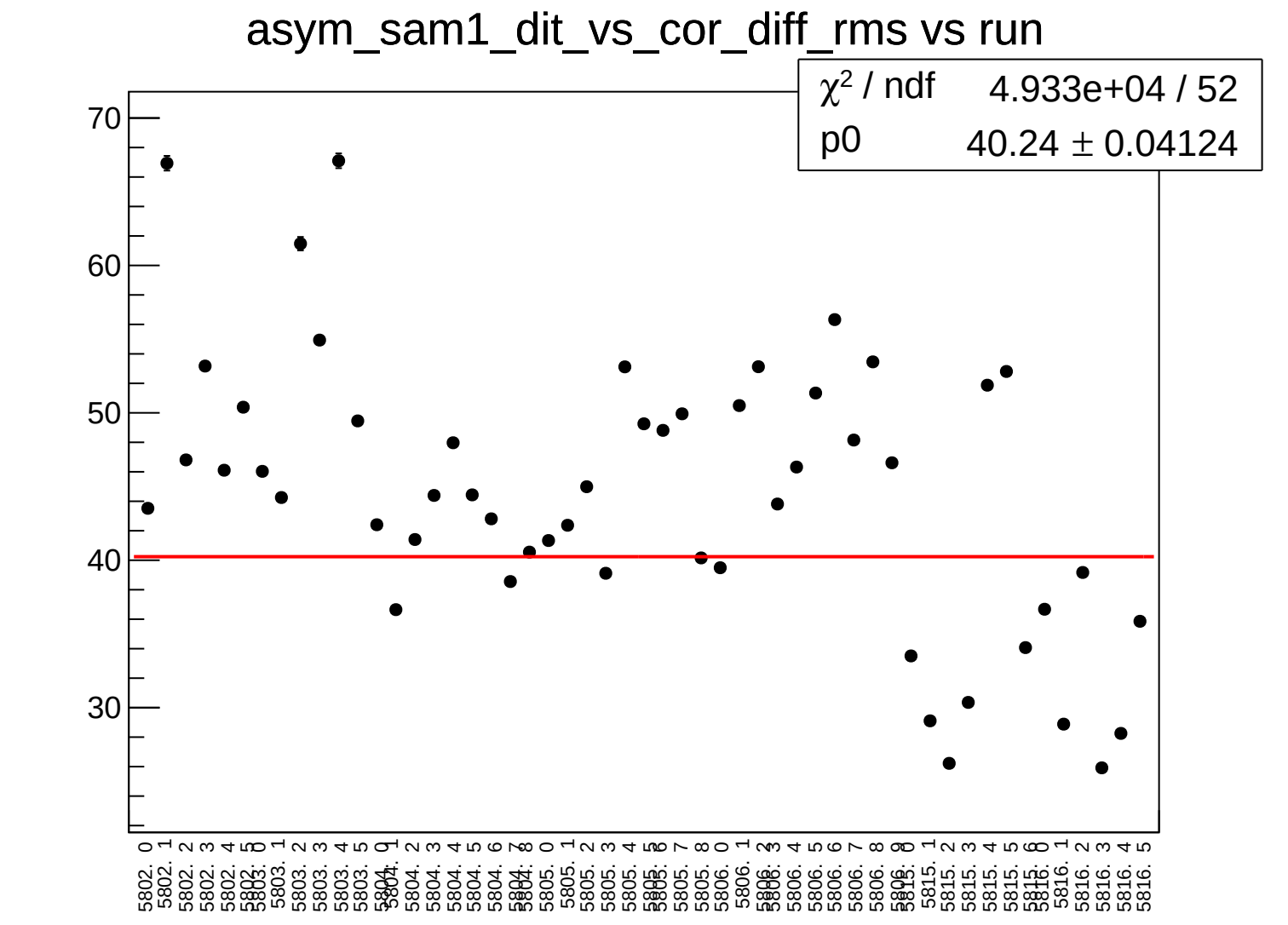

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 40.45 / 52
p0 −4.051e−15 ± 9.168e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 53
Mean −38.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

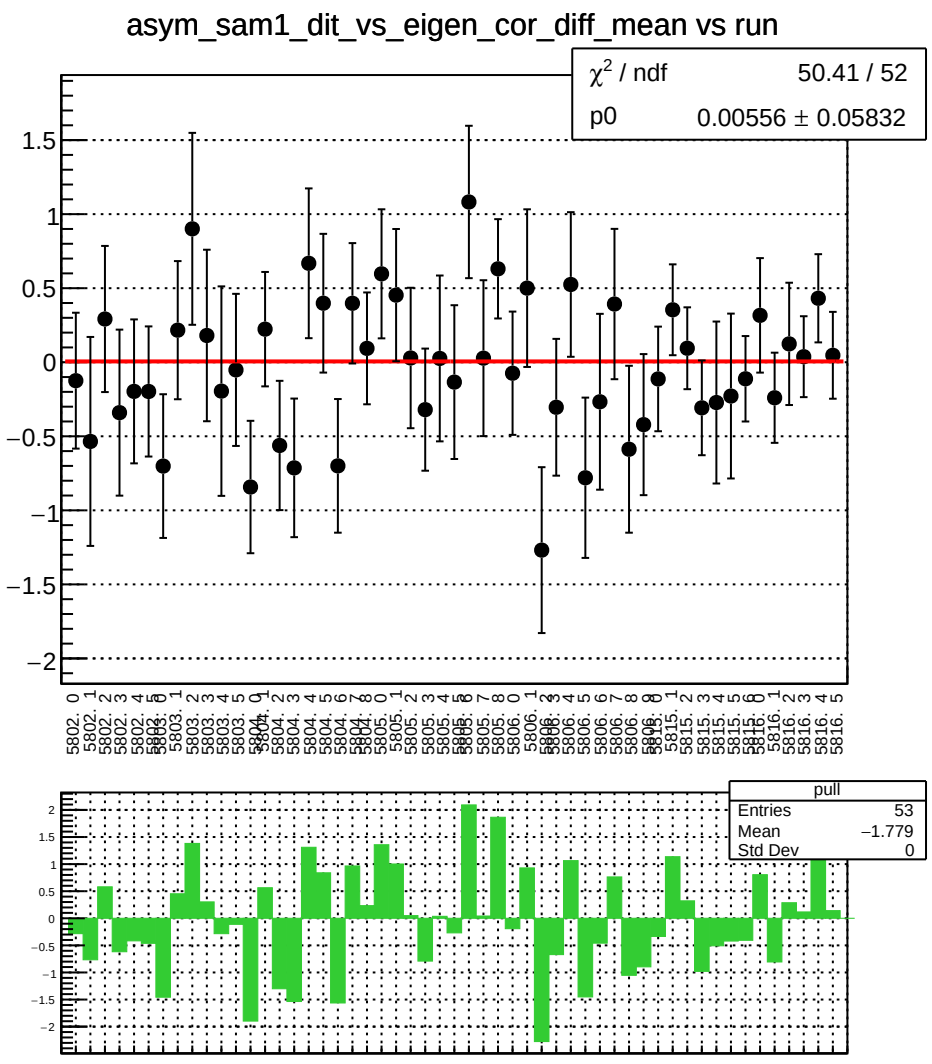

pull1D
Entries 53
Mean −0.04006
Std Dev 0.8727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

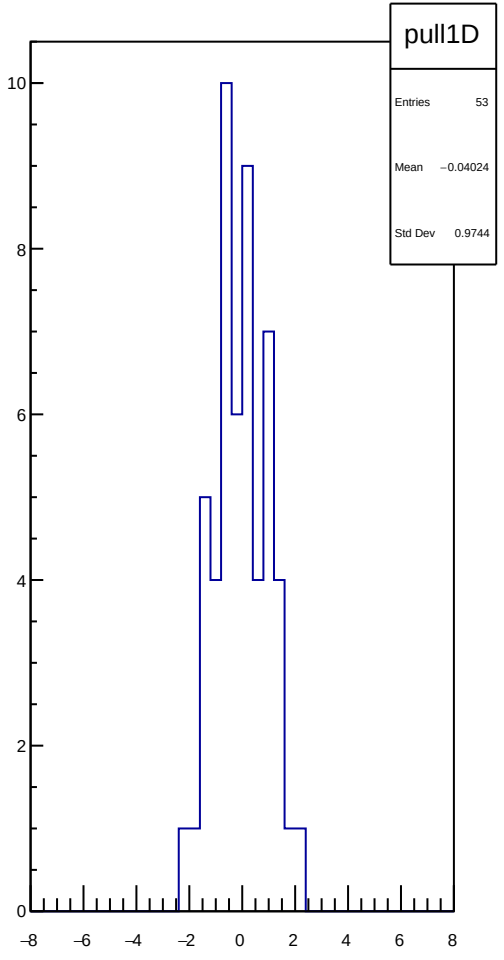

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 4.785e+05 / 52
p0 4.688e−11 ± 6.482e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

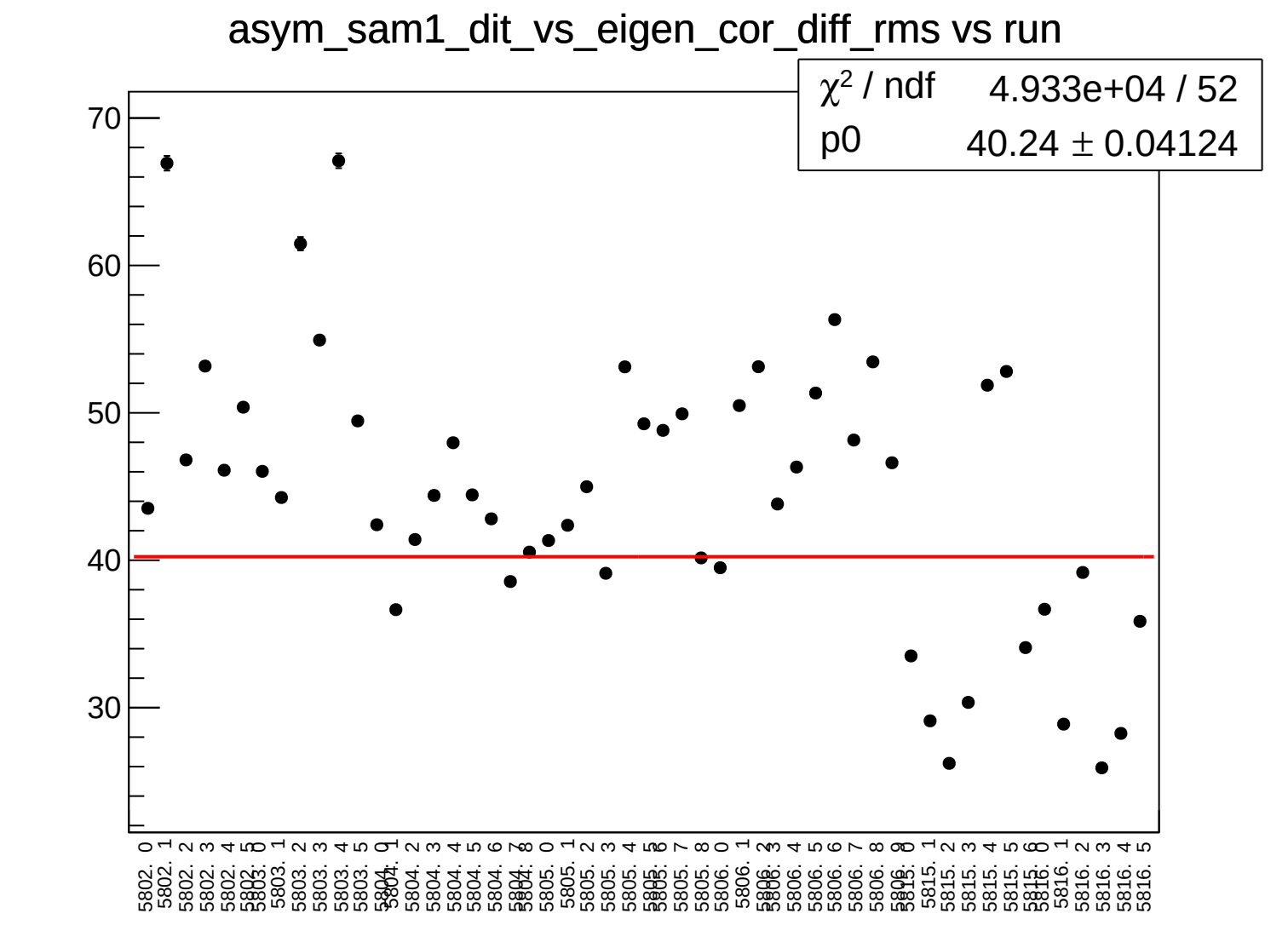

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 50.41 / 52
p0 0.00556 ± 0.05832
pull
Entries 53
Mean −1.779
Std Dev 0

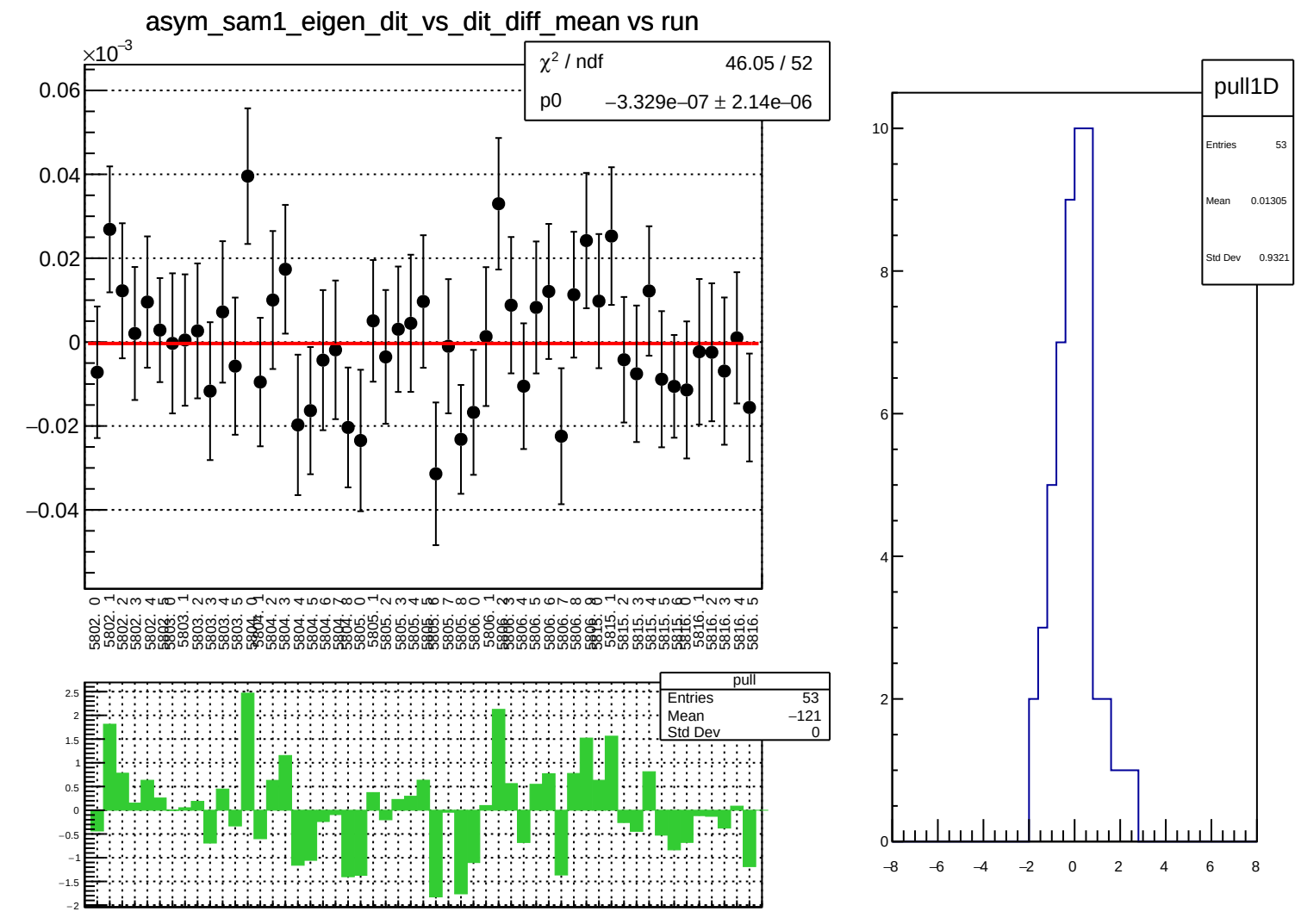

pull1D
Entries 53
Mean −0.04024
Std Dev 0.9744

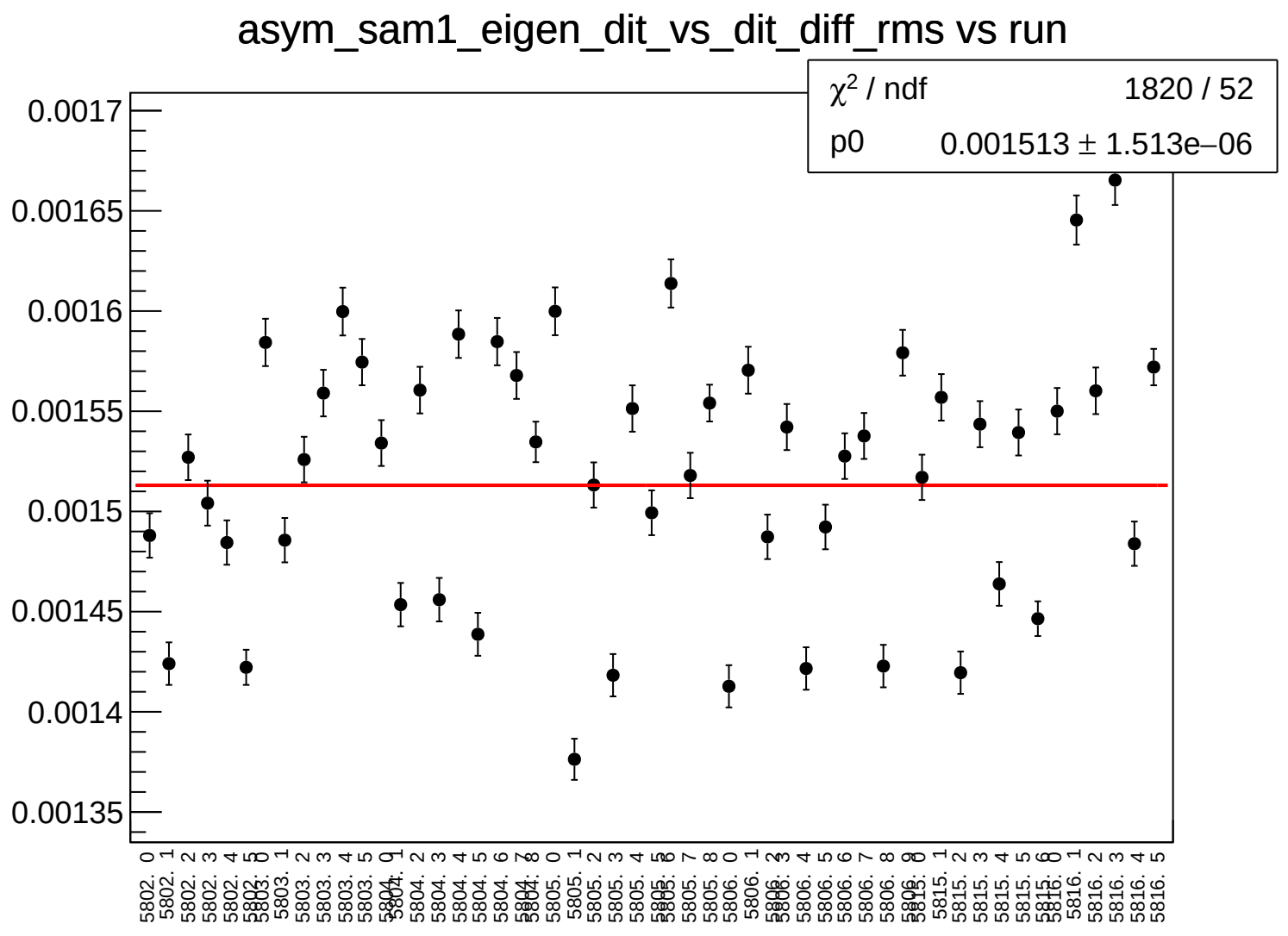

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 4.933e+04 / 52
p0 40.24 ± 0.04124
70
60
50
40
30

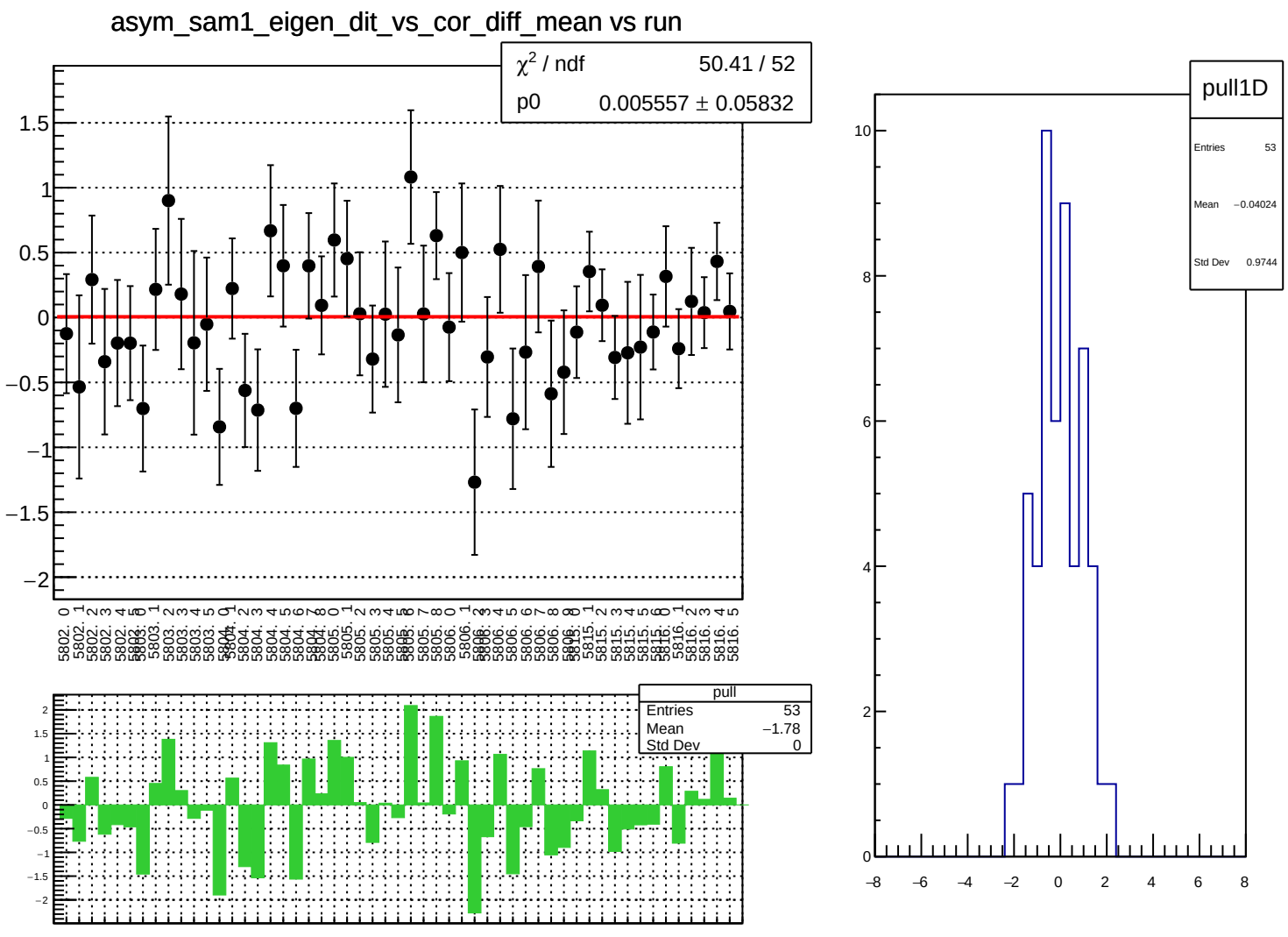

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.41 / 52
p0 0.00556 ± 0.05832
pull
Entries 53
Mean −1.779
Std Dev 0

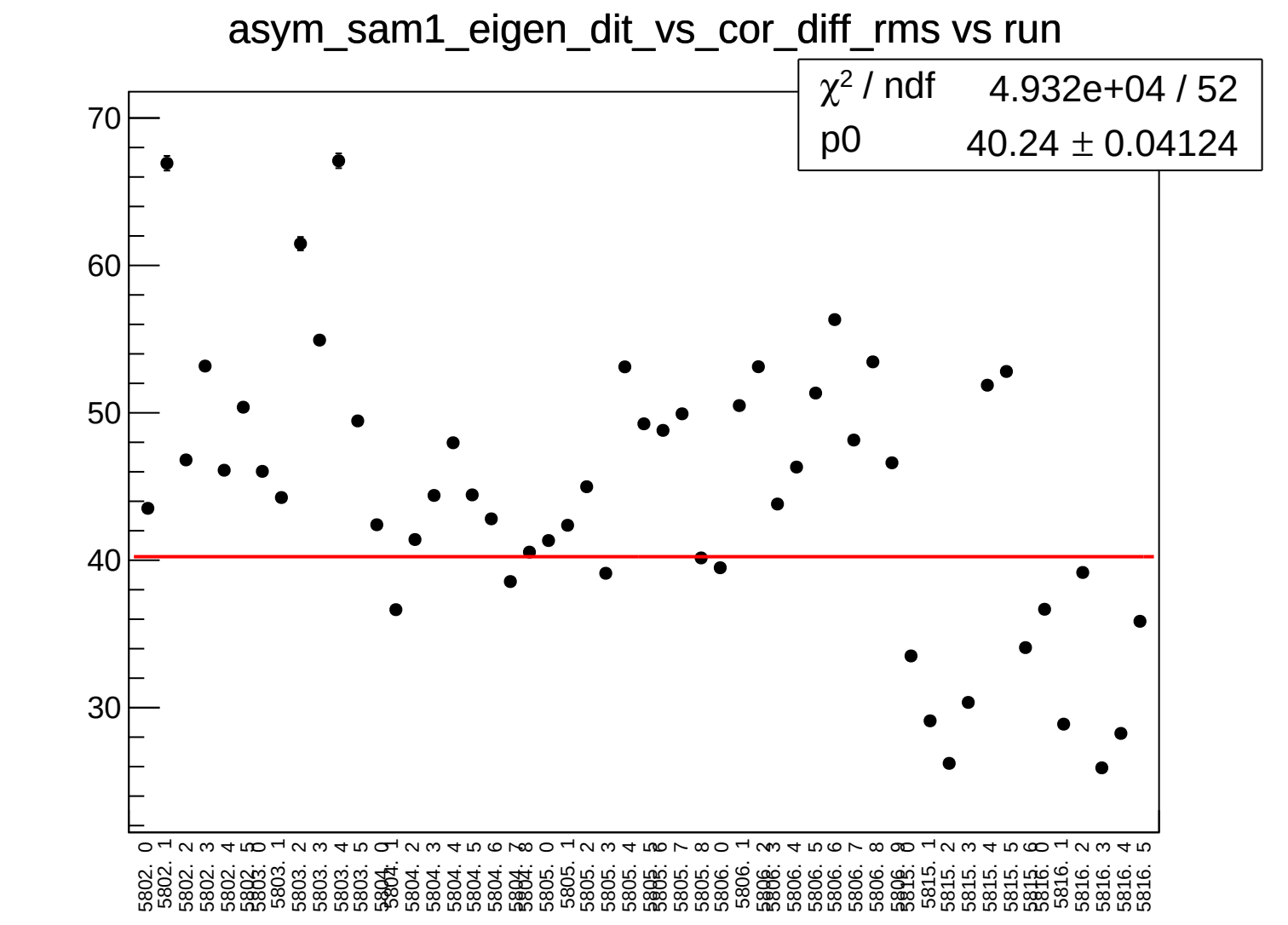

pull1D
Entries 53
Mean −0.04024
Std Dev 0.9744

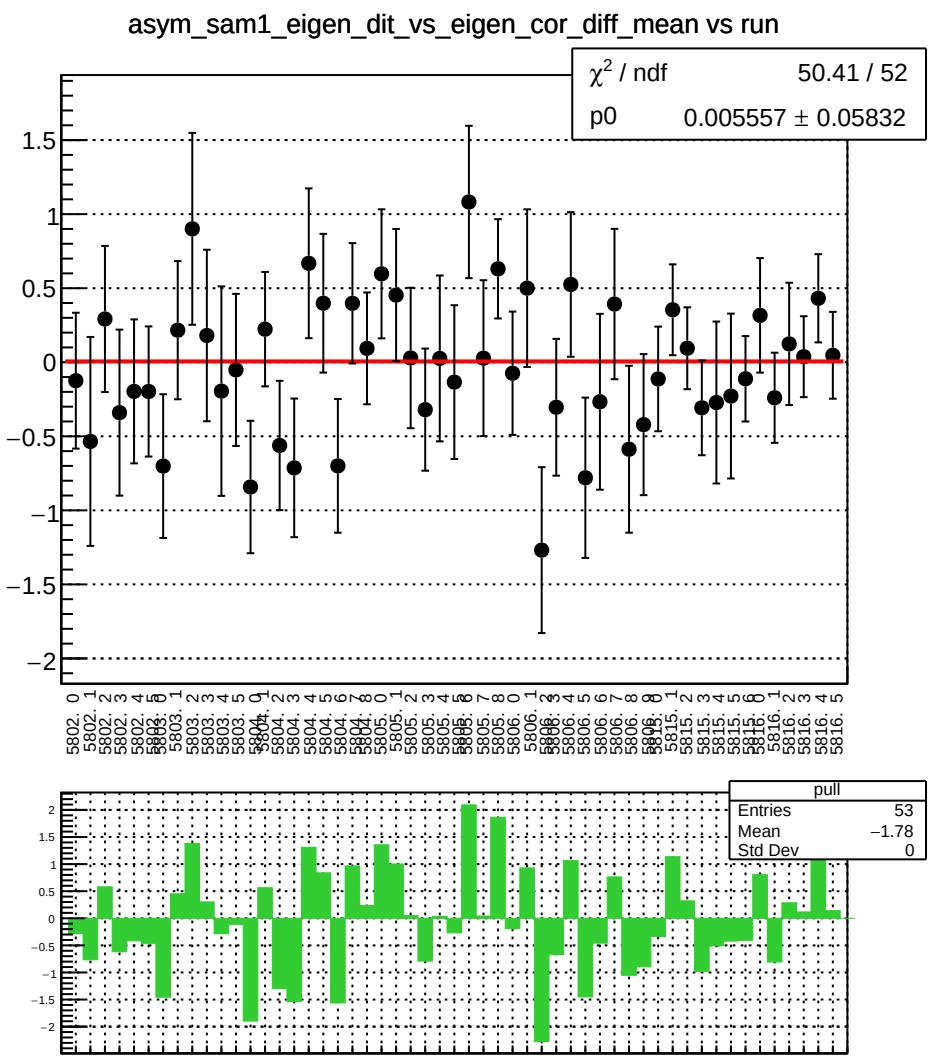

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.933e+04 / 52
p0 40.24 ± 0.04124
70
60
50
40
30

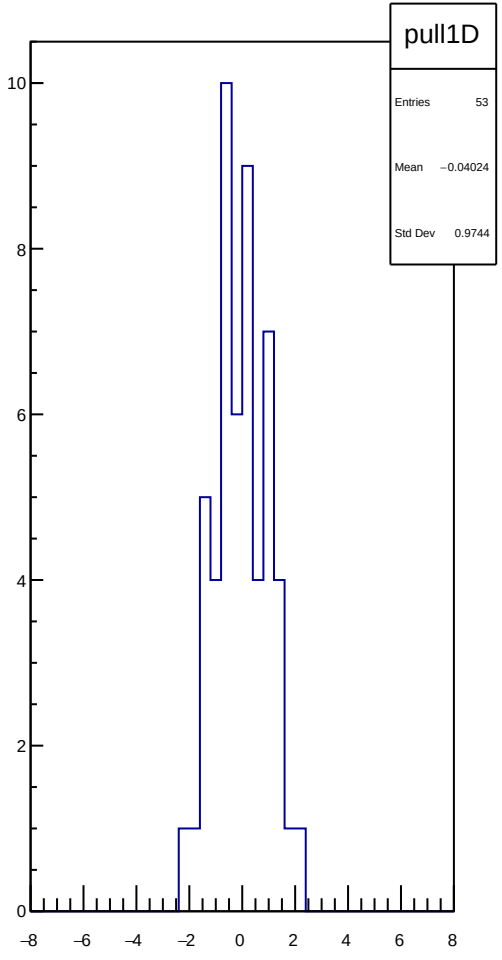

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.05 / 52
p0 −3.329e−07 ± 2.14e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −121
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.01305
Std Dev 0.9321
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

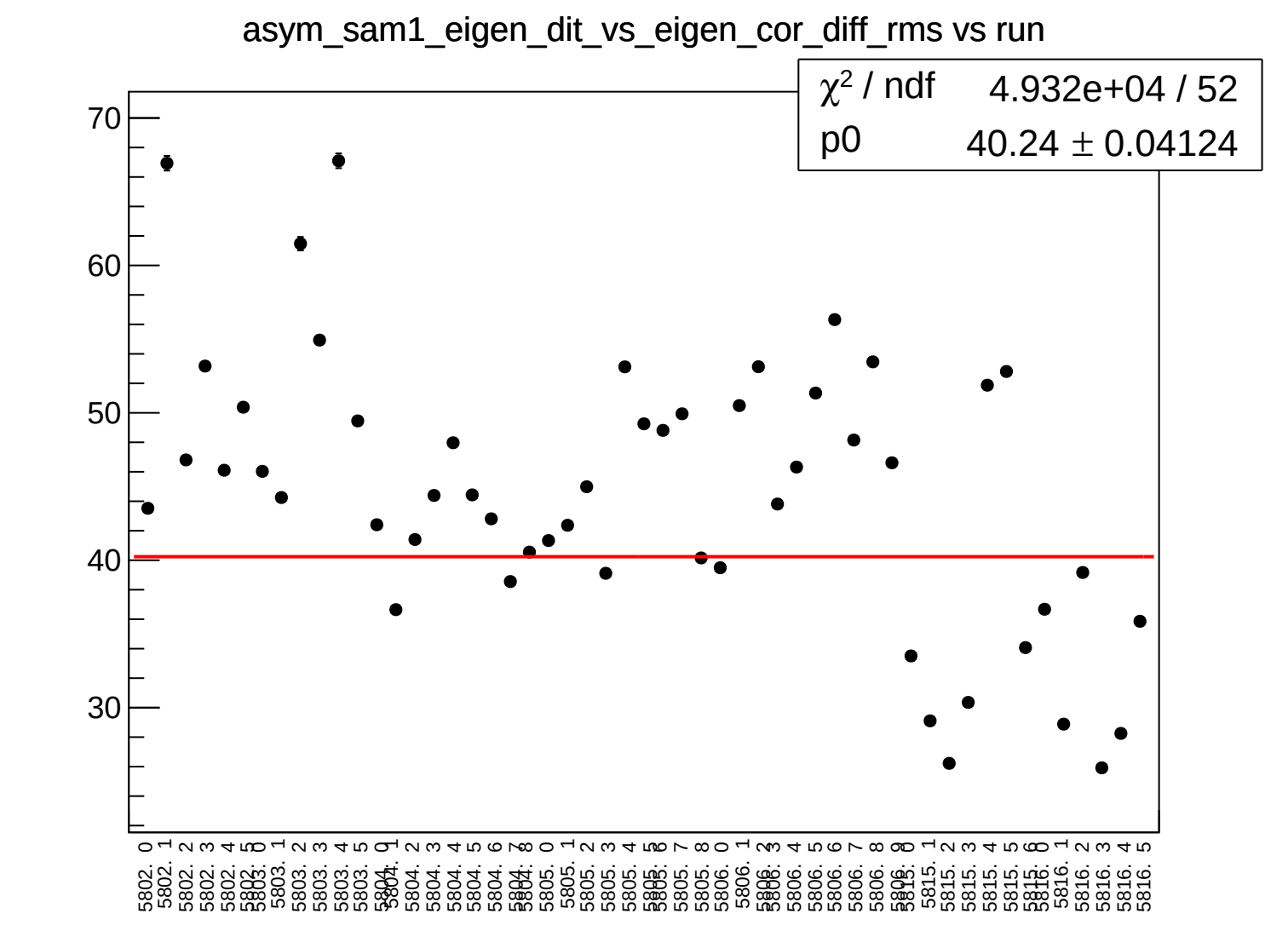

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1820 / 52
p0 0.001513 ± 1.513e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135

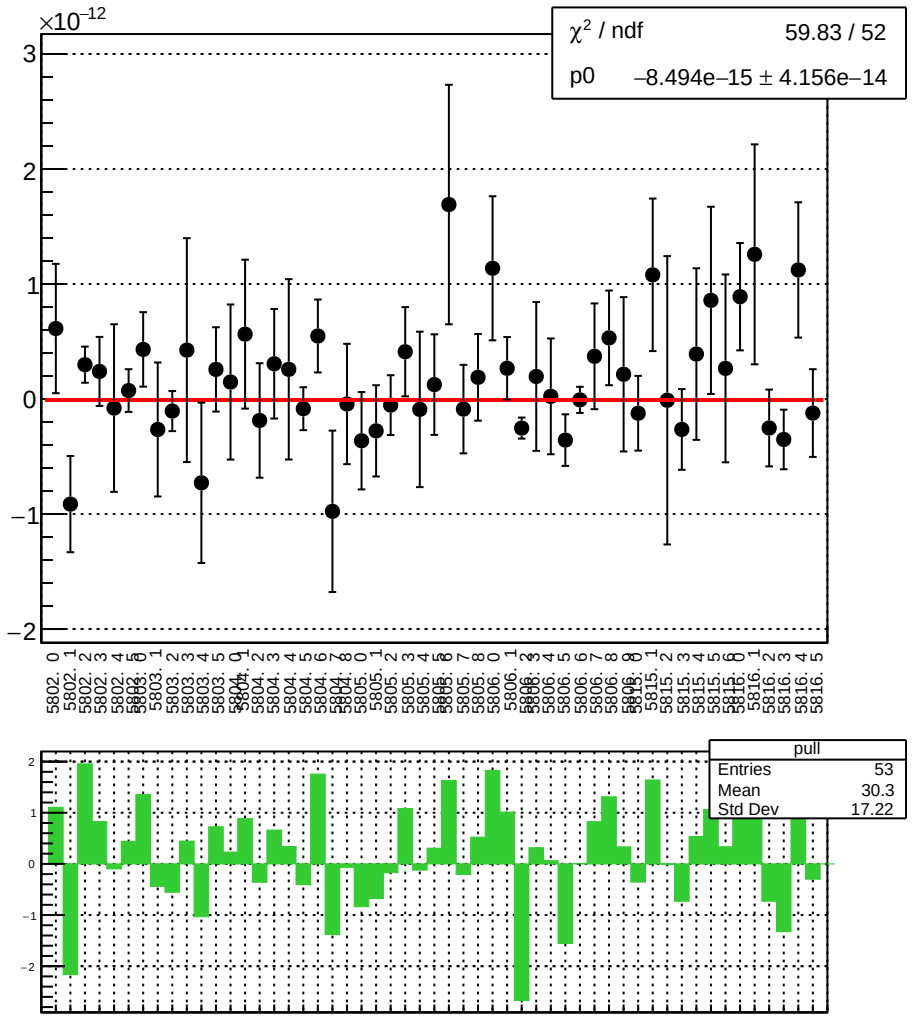

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.41 / 52
p0 0.005557 ± 0.05832
pull
Entries 53
Mean −1.78
Std Dev 0
pull1D
Entries 53
Mean −0.04024
Std Dev 0.9744

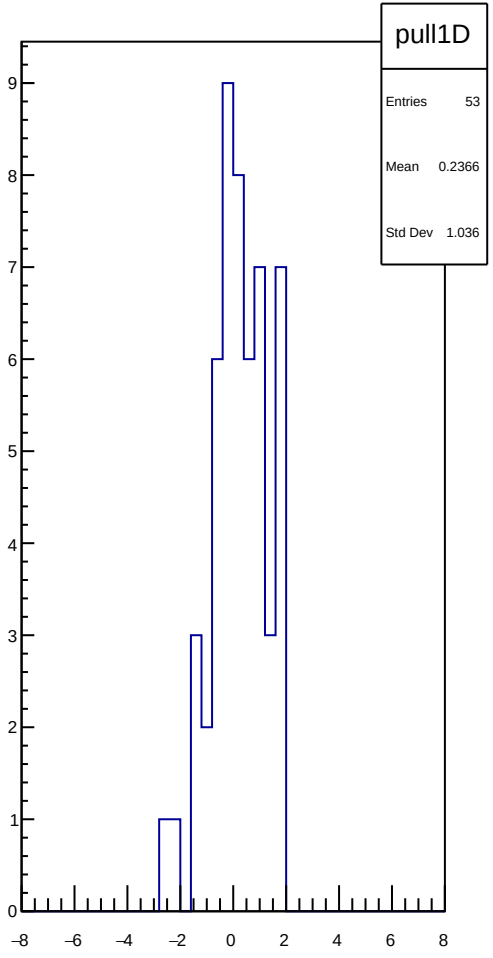

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.932e+04 / 52
p0 40.24 ± 0.04124
70
60
50
40
30

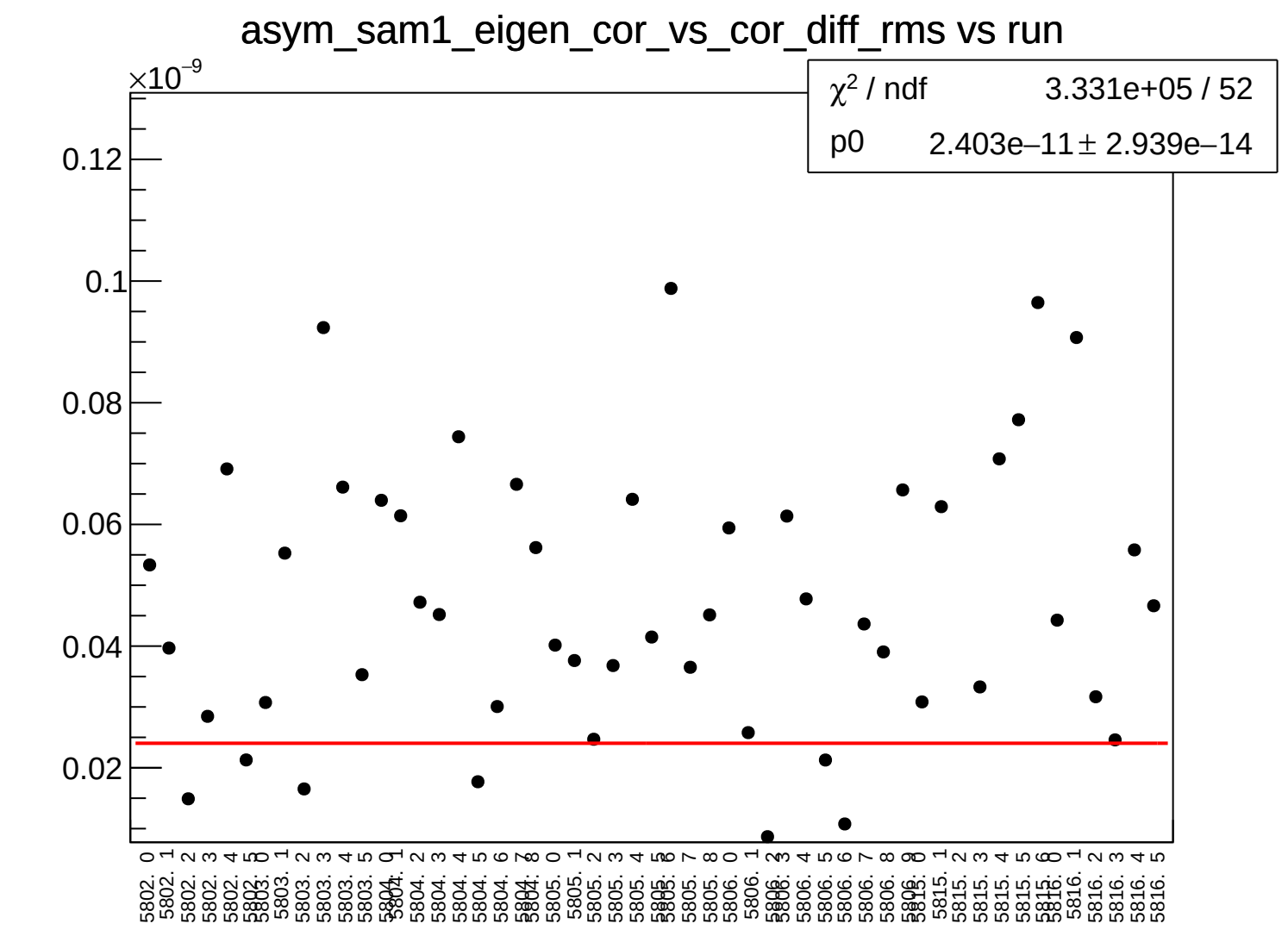

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.41 / 52
p0 0.005557 ± 0.05832
pull
Entries 53
Mean −1.78
Std Dev 0

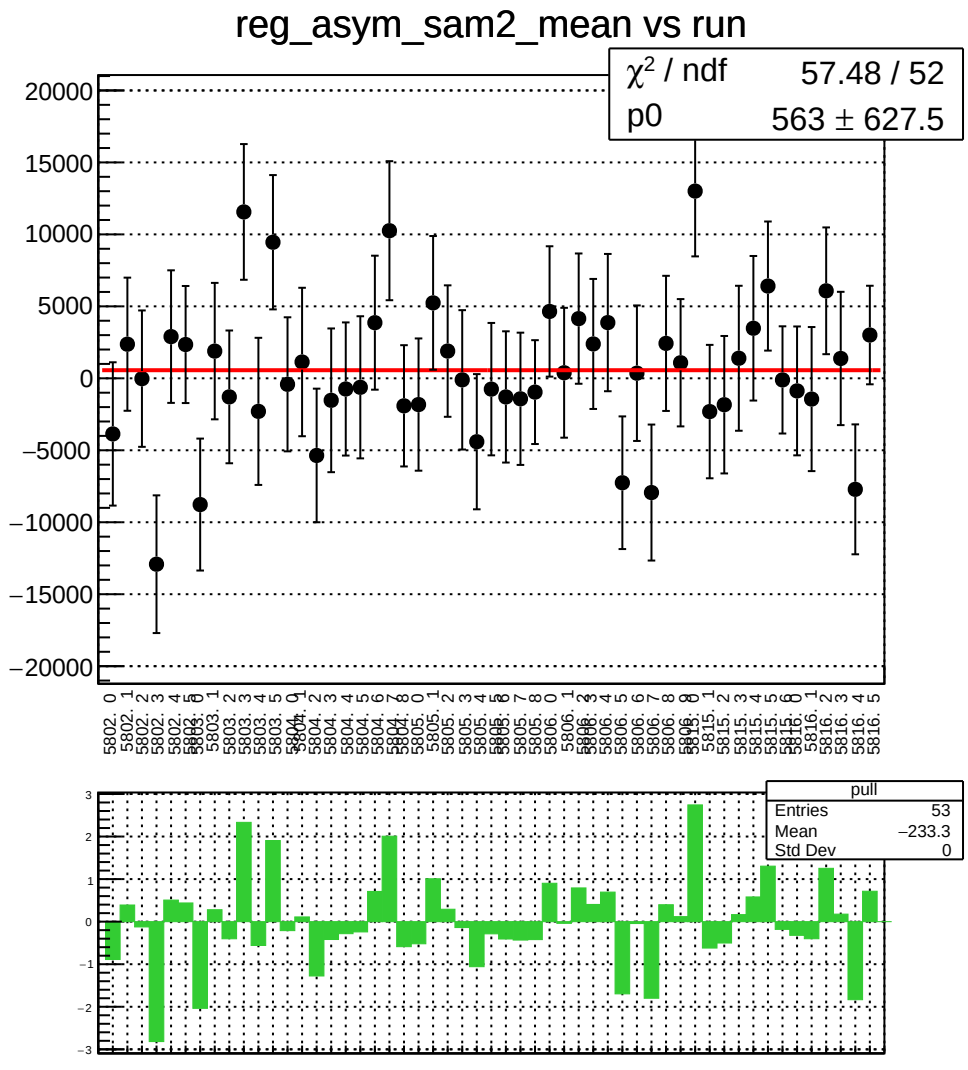

pull1D
Entries 53
Mean −0.04024
Std Dev 0.9744

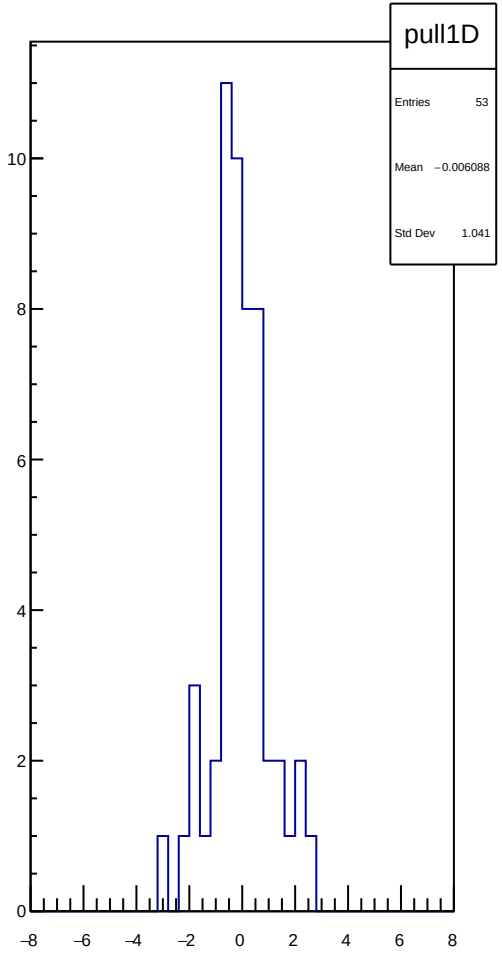

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.932e+04 / 52
p0 40.24 ± 0.04124
70
60
50
40
30

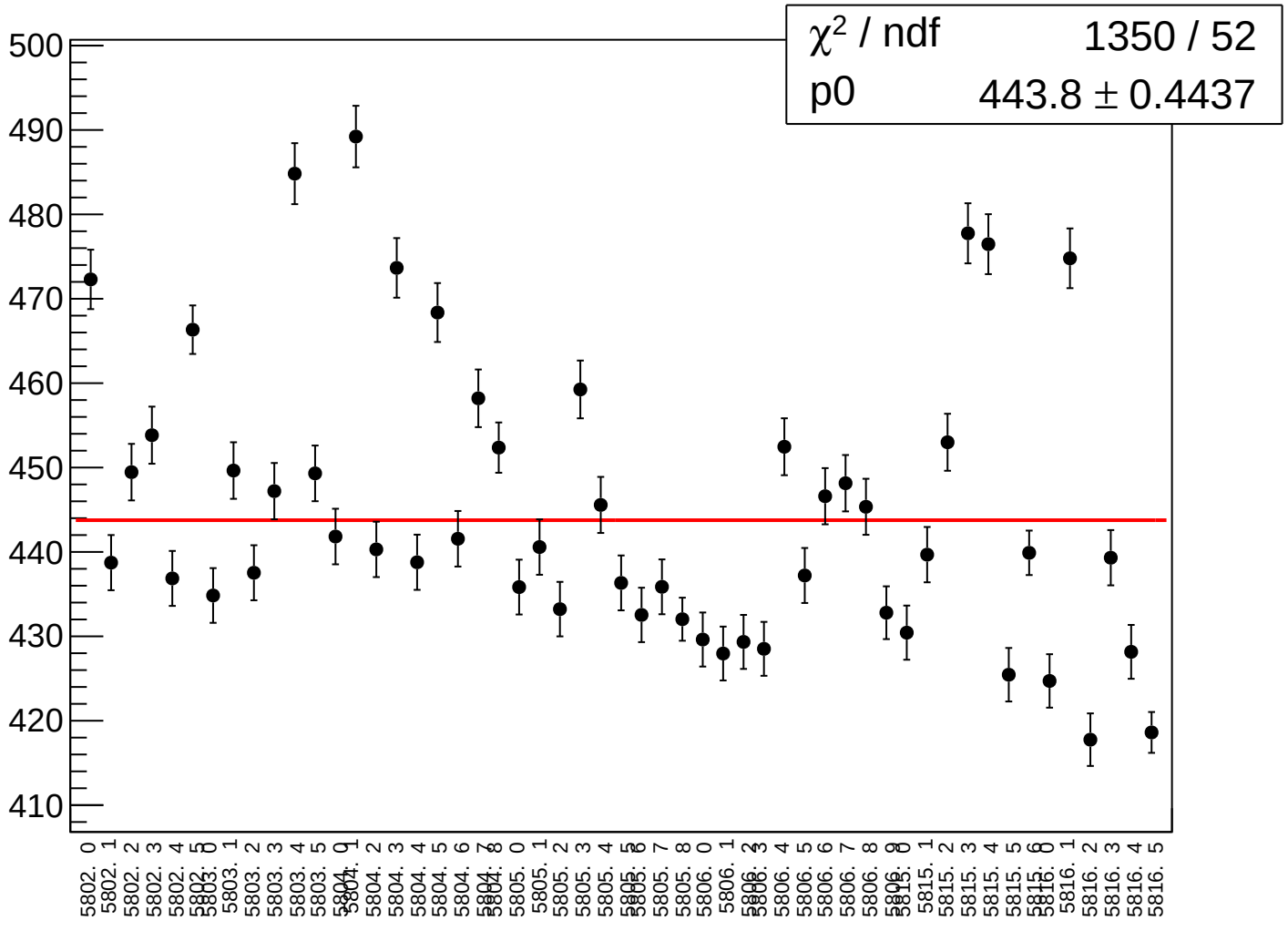

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.83 / 52
p0 −8.494e−15 ± 4.156e−14
pull
Entries 53
Mean 30.3
Std Dev 17.22

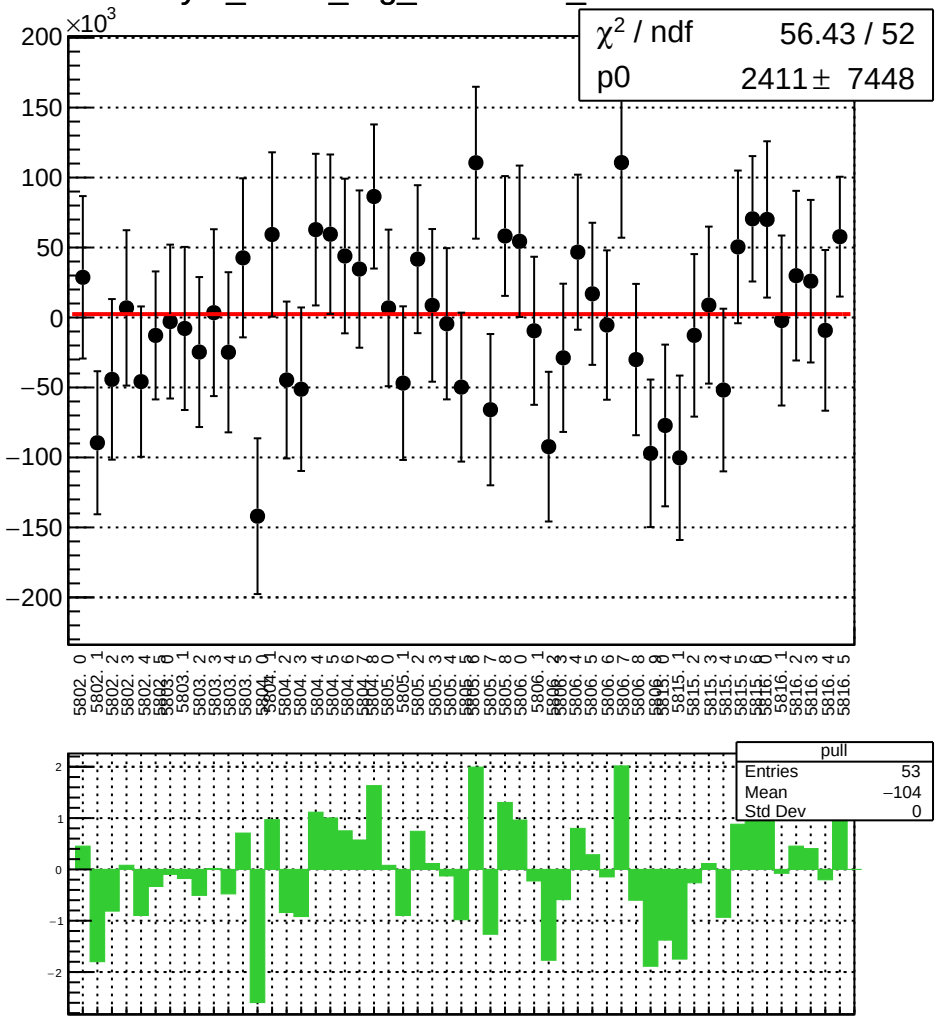

pull1D
Entries 53
Mean 0.2366
Std Dev 1.036

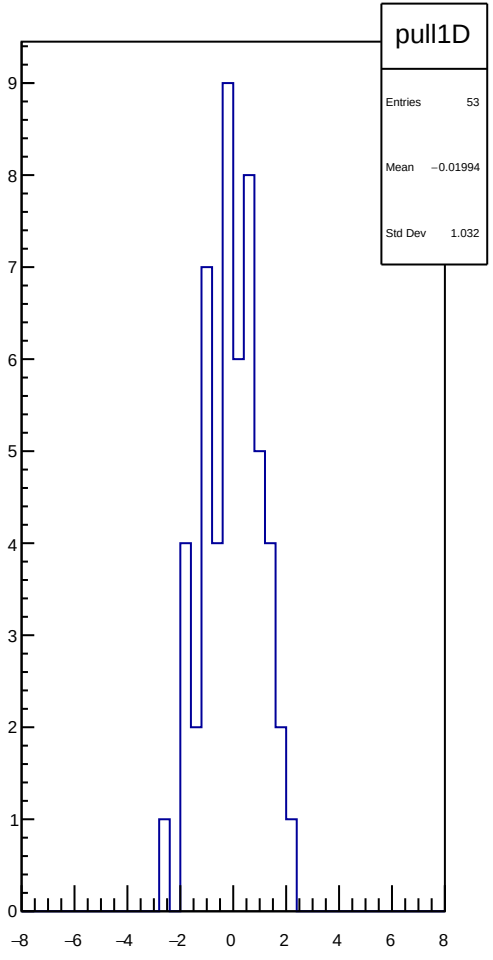

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.331e+05 / 52
p0 2.403e−11 ± 2.939e−14
0.12
0.1
0.08
0.06
0.04
0.02

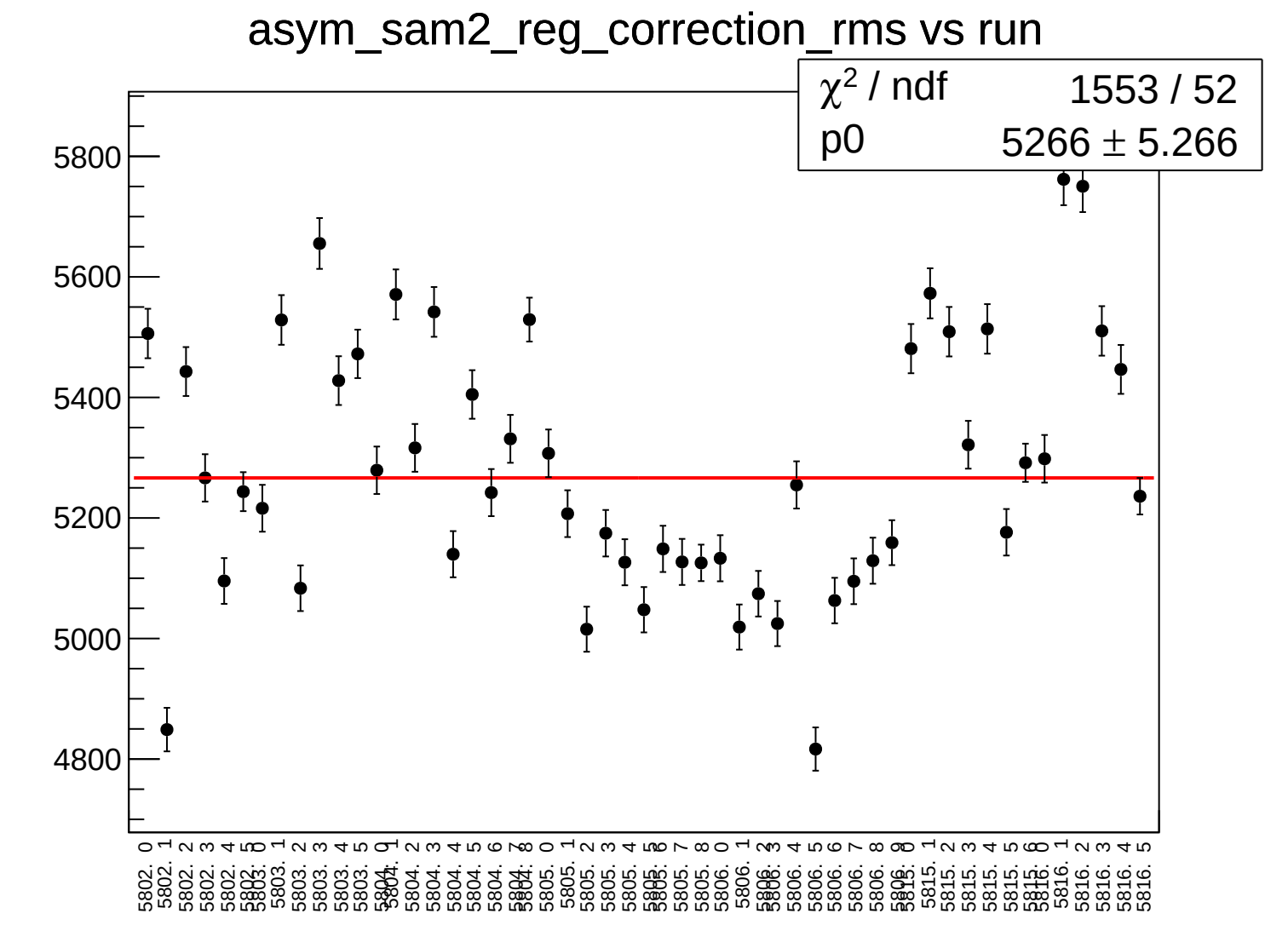

reg_asym_sam2_mean vs run
χ² / ndf 57.48 / 52
p0 563 ± 627.5
pull
Entries 53
Mean −233.3
Std Dev 0

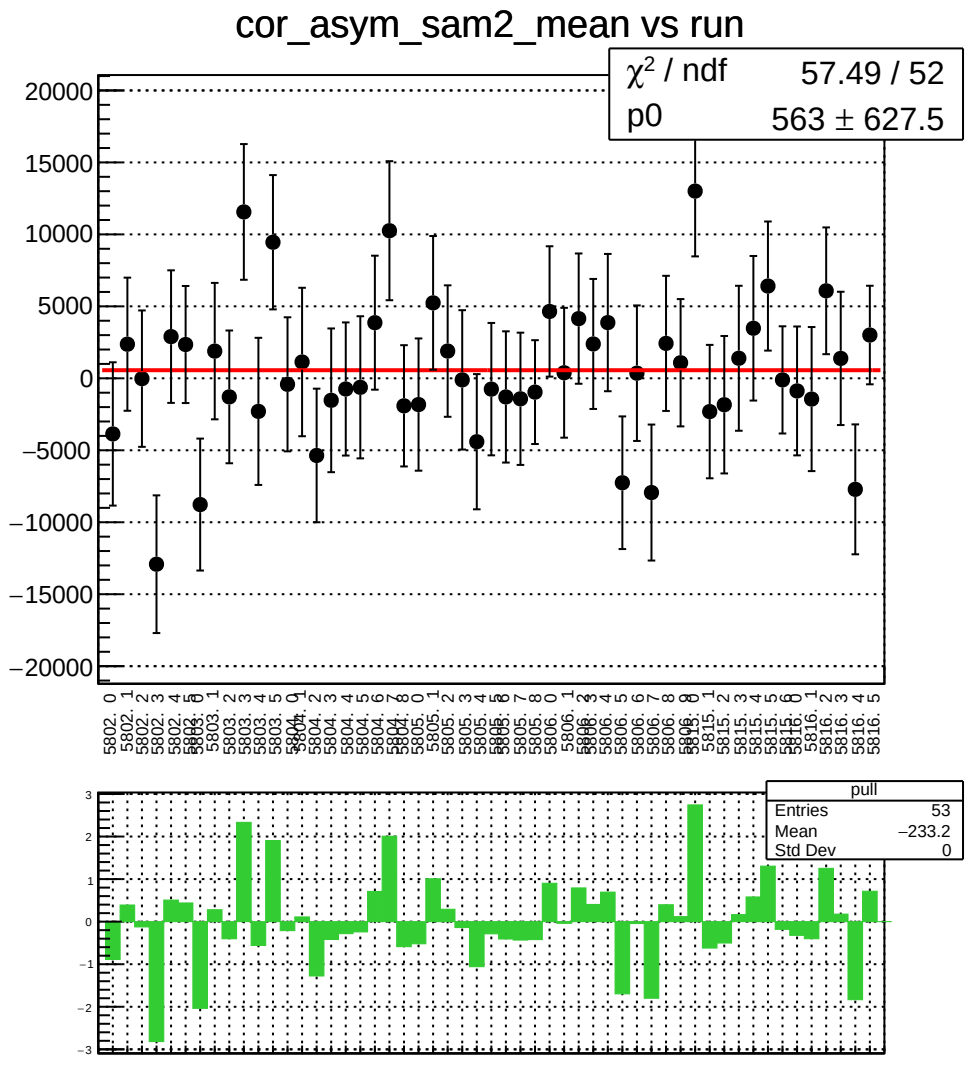

pull1D
Entries 53
Mean −0.006088
Std Dev 1.041

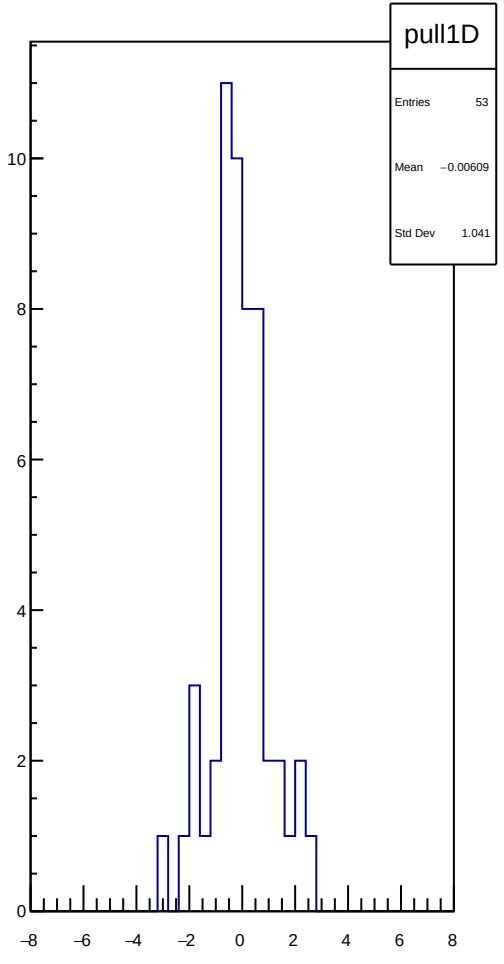

reg_asym_sam2_rms vs run
χ² / ndf 1350 / 52
p0 443.8 ± 0.4437
500
490
480
470
460
450
440
430
420
410

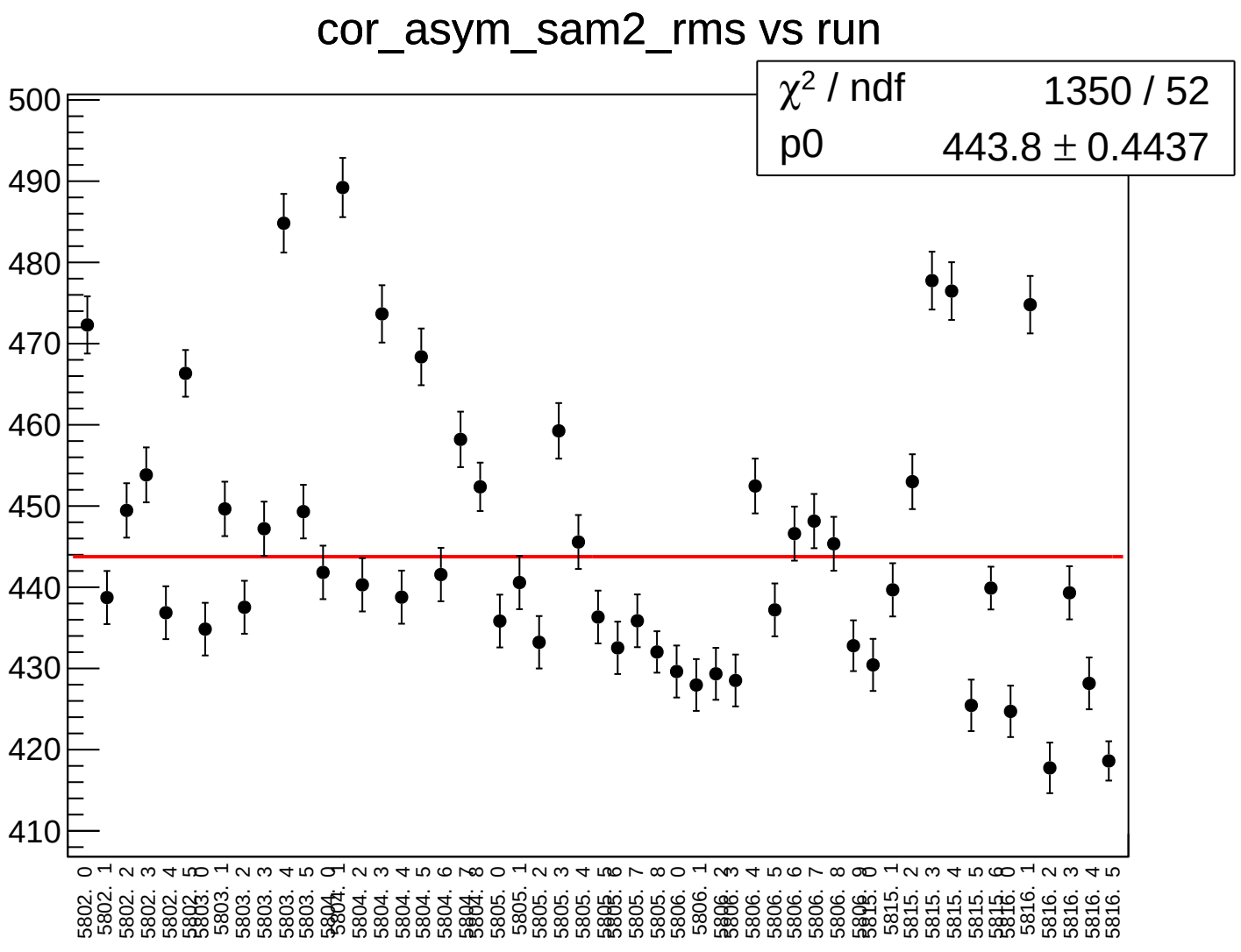

asym_sam2_reg_correction_mean vs run
χ² / ndf 56.43 / 52
p0 2411 ± 7448
×10³
pull
Entries 53
Mean −104
Std Dev 0

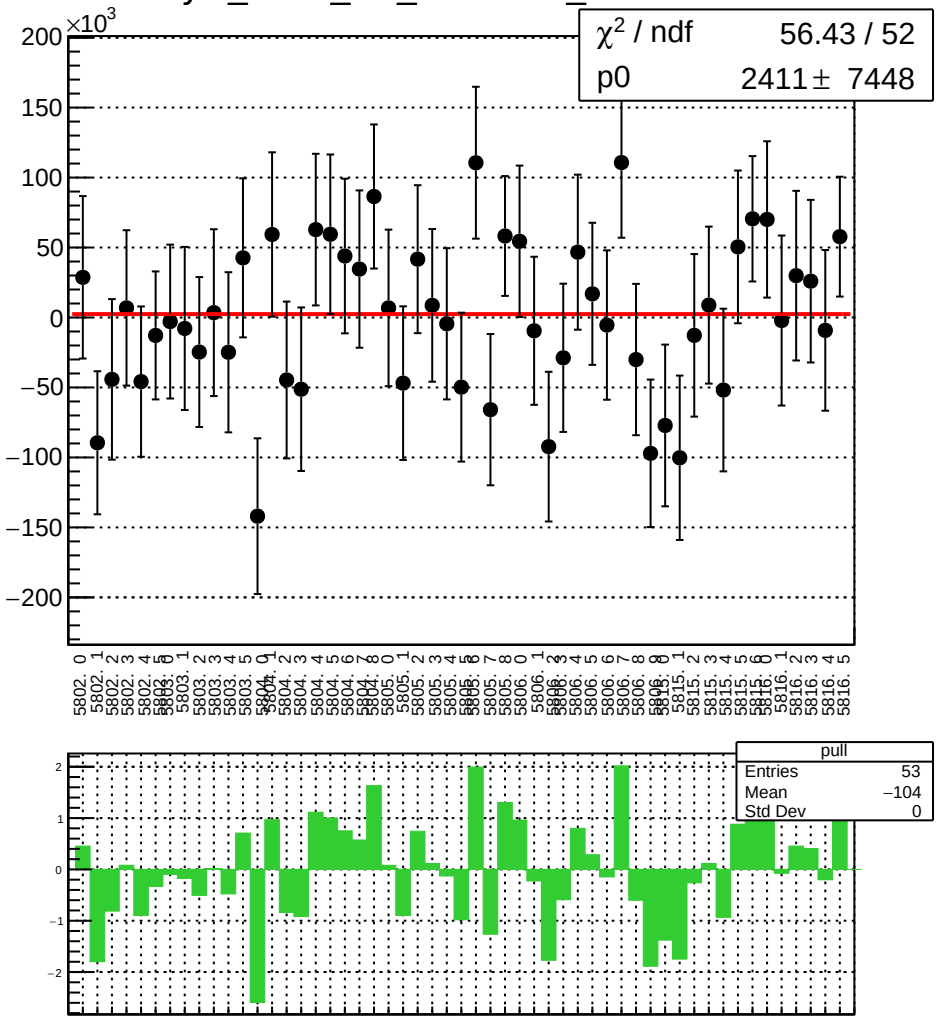

pull1D
Entries 53
Mean −0.01994
Std Dev 1.032

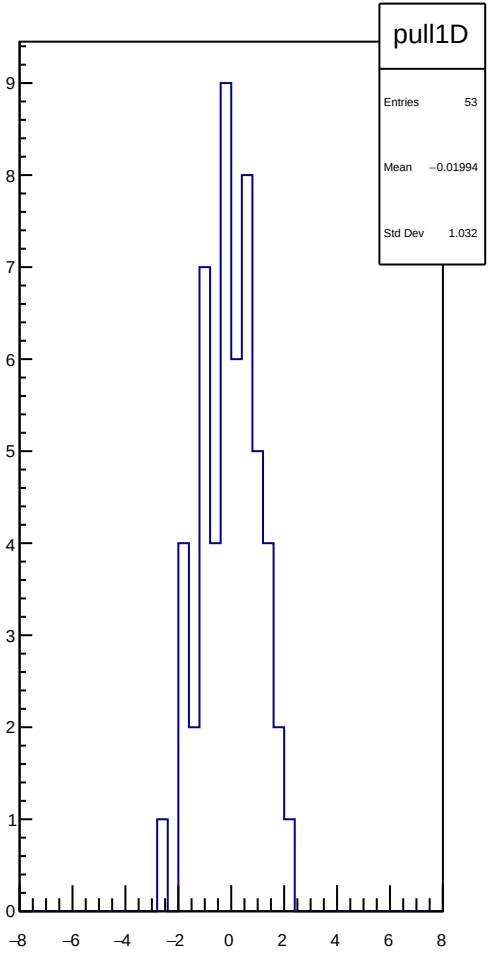

asym_sam2_reg_correction_rms vs run
χ² / ndf 1553 / 52
p0 5266 ± 5.266
5800
5600
5400
5200
5000
4800

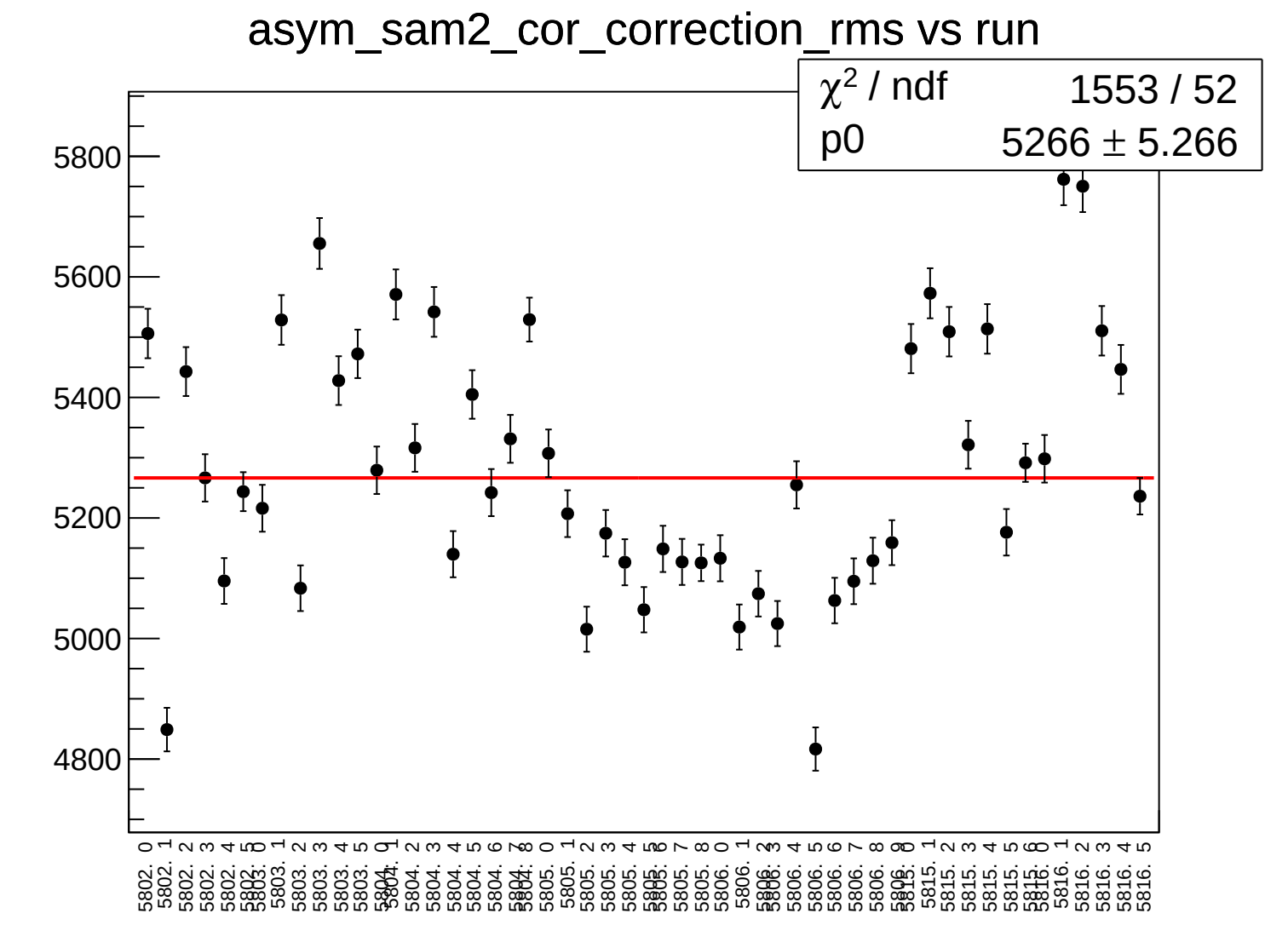

cor_asym_sam2_mean vs run
χ² / ndf 57.49 / 52
p0 563 ± 627.5
pull
Entries 53
Mean −233.2
Std Dev 0

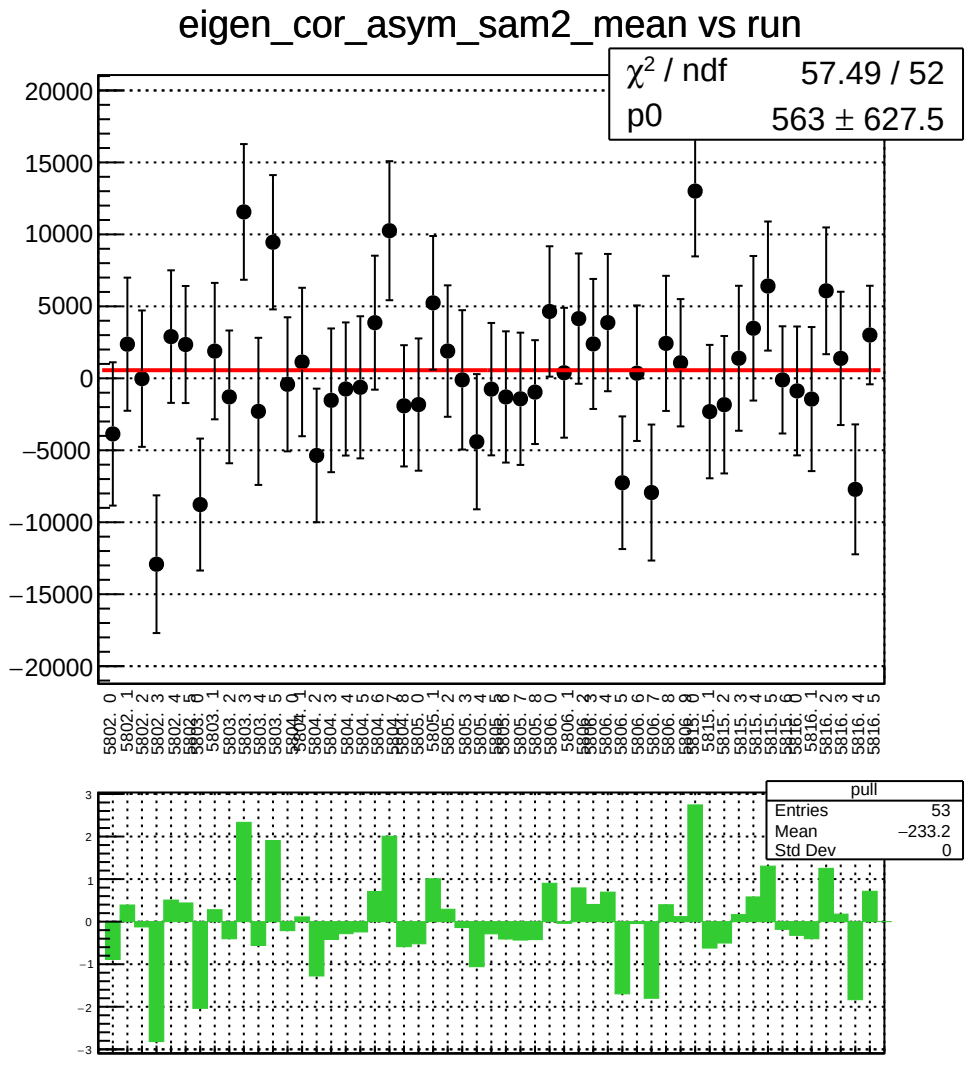

pull1D
Entries 53
Mean −0.00609
Std Dev 1.041

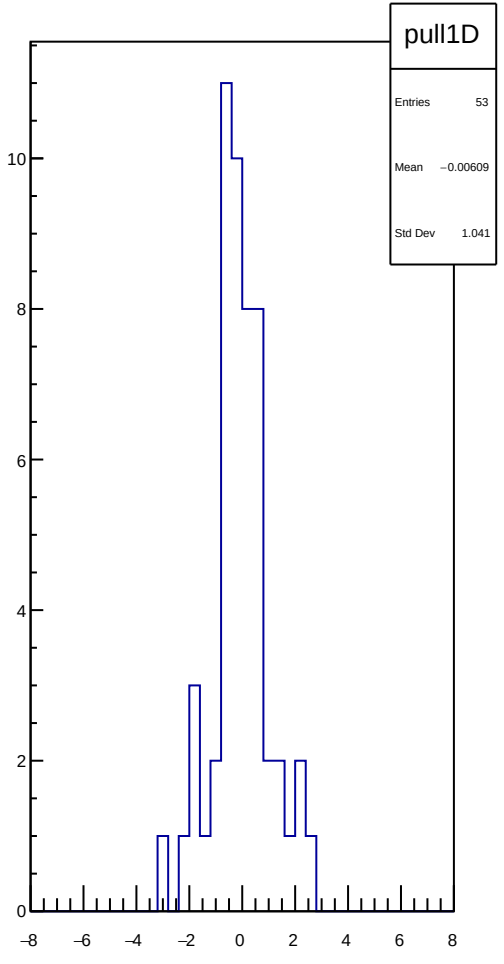

cor_asym_sam2_rms vs run
χ² / ndf 1350 / 52
p0 443.8 ± 0.4437
500
490
480
470
460
450
440
430
420
410

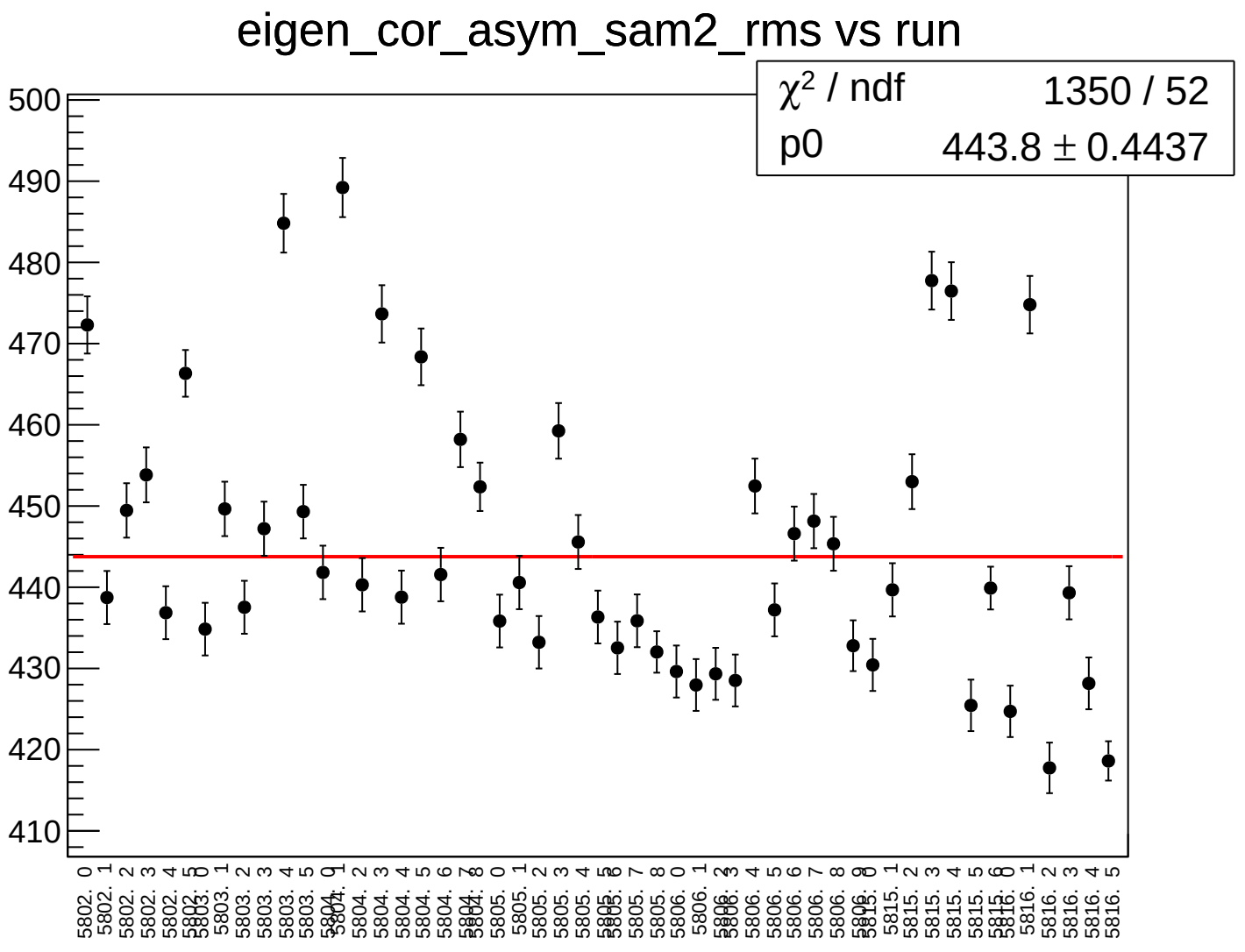

asym_sam2_cor_correction_mean vs run
χ² / ndf 56.43 / 52
p0 2411 ± 7448
pull
Entries 53
Mean −104
Std Dev 0

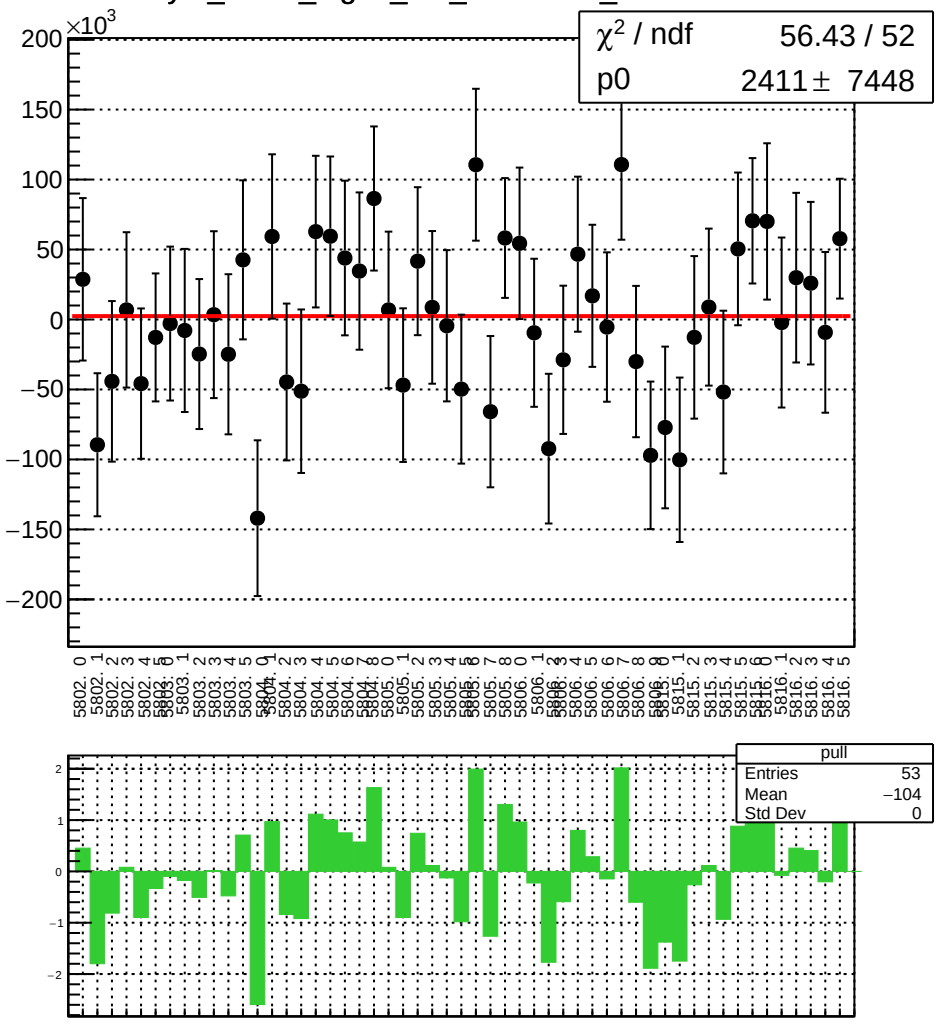

pull1D
Entries 53
Mean −0.01994
Std Dev 1.032

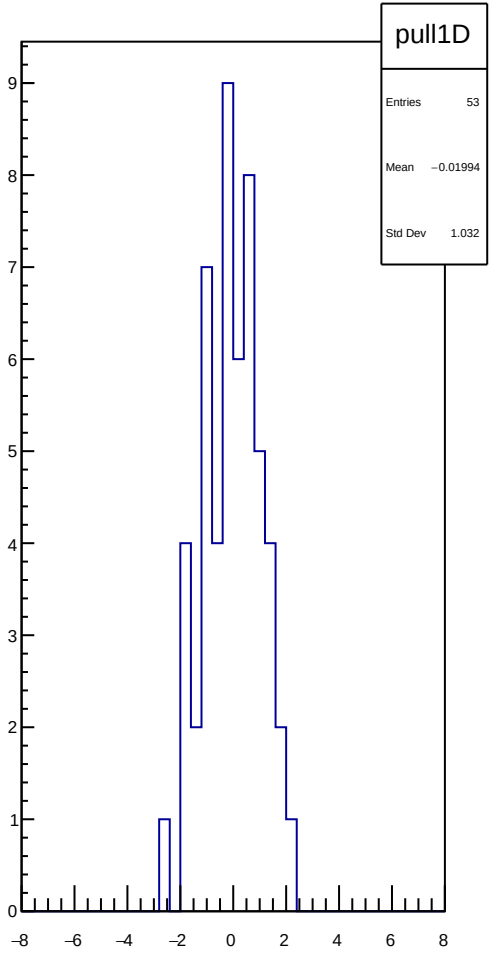

asym_sam2_cor_correction_rms vs run
χ² / ndf 1553 / 52
p0 5266 ± 5.266
5800
5600
5400
5200
5000
4800

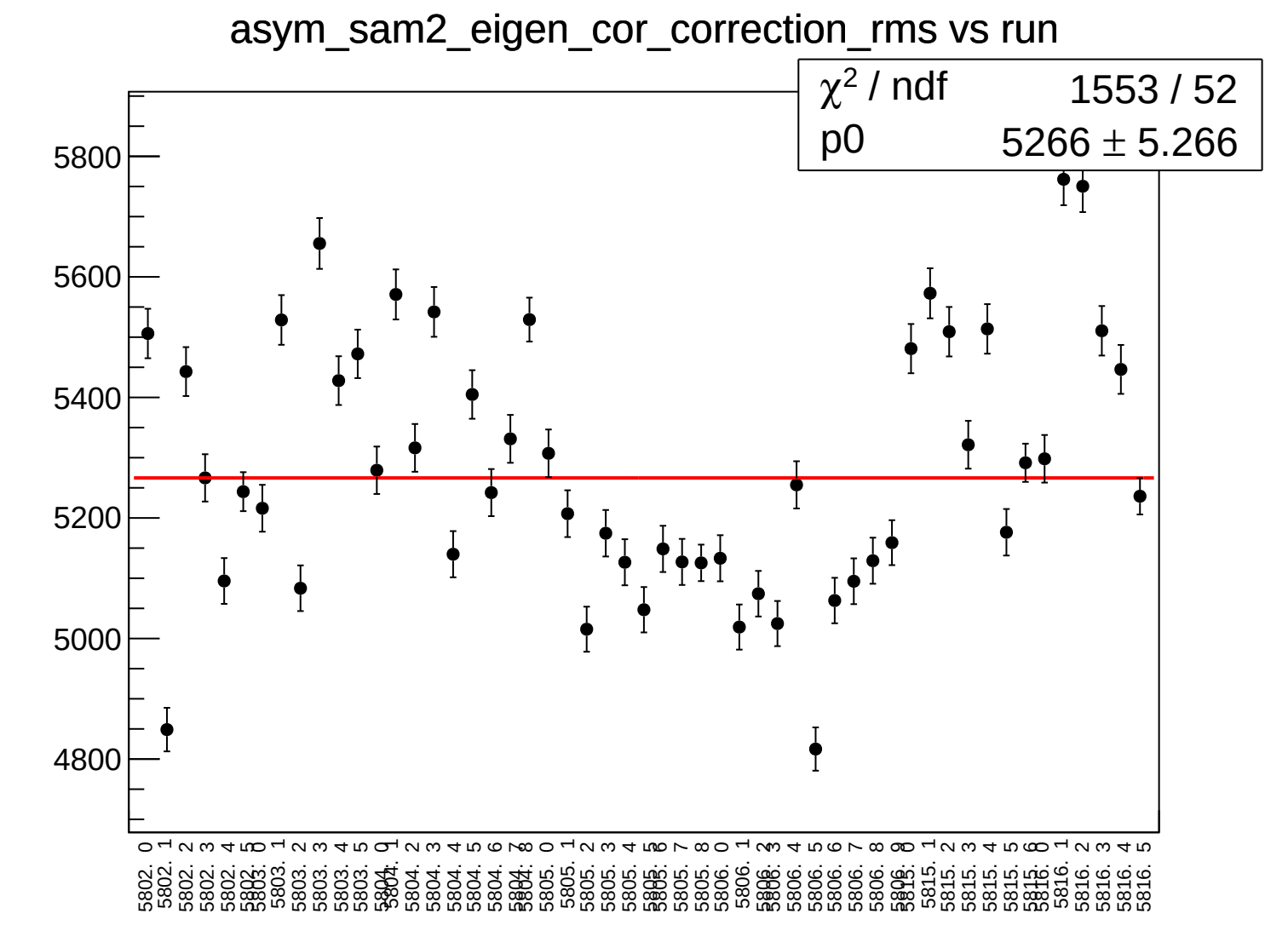

eigen_cor_asym_sam2_mean vs run
χ² / ndf 57.49 / 52
p0 563 ± 627.5
pull
Entries 53
Mean −233.2
Std Dev 0

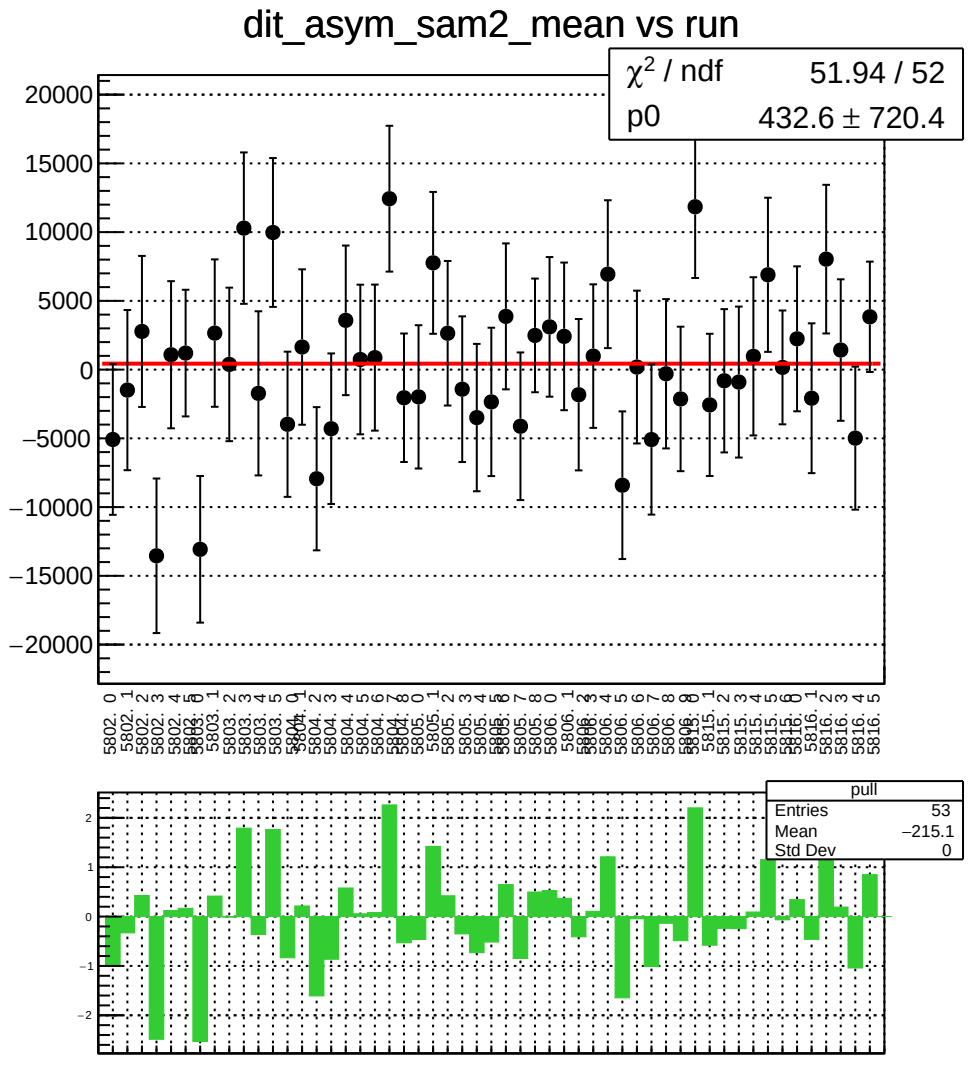

pull1D
Entries 53
Mean −0.00609
Std Dev 1.041

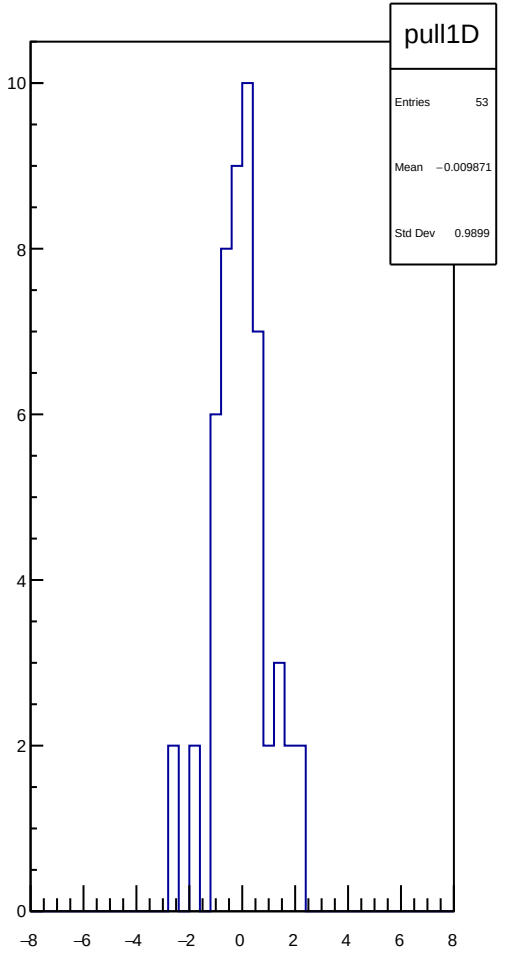

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1350 / 52
p0 443.8 ± 0.4437
500
490
480
470
460
450
440
430
420
410

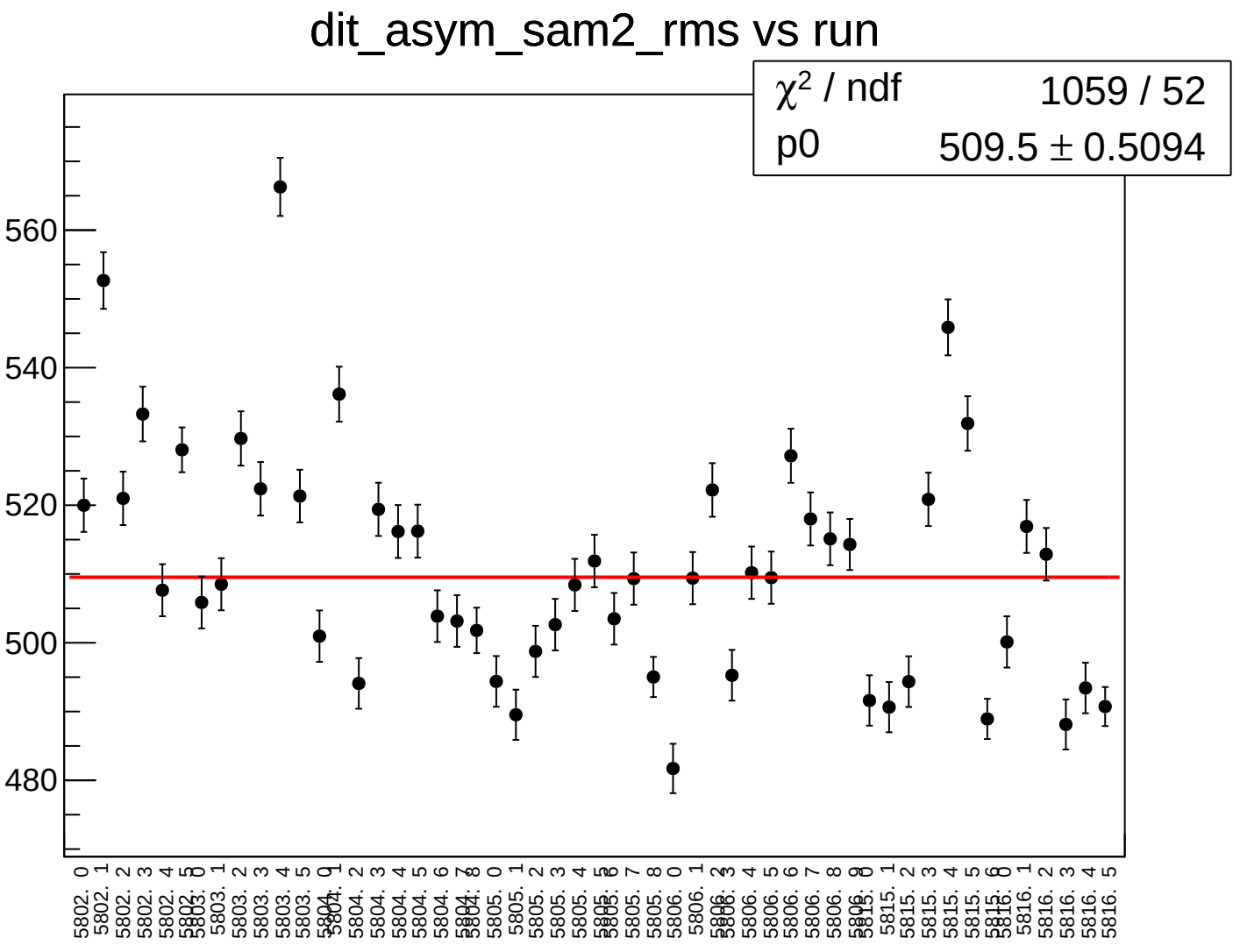

asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 56.43 / 52
p0 2411 ± 7448
×10³
pull
Entries 53
Mean −104
Std Dev 0

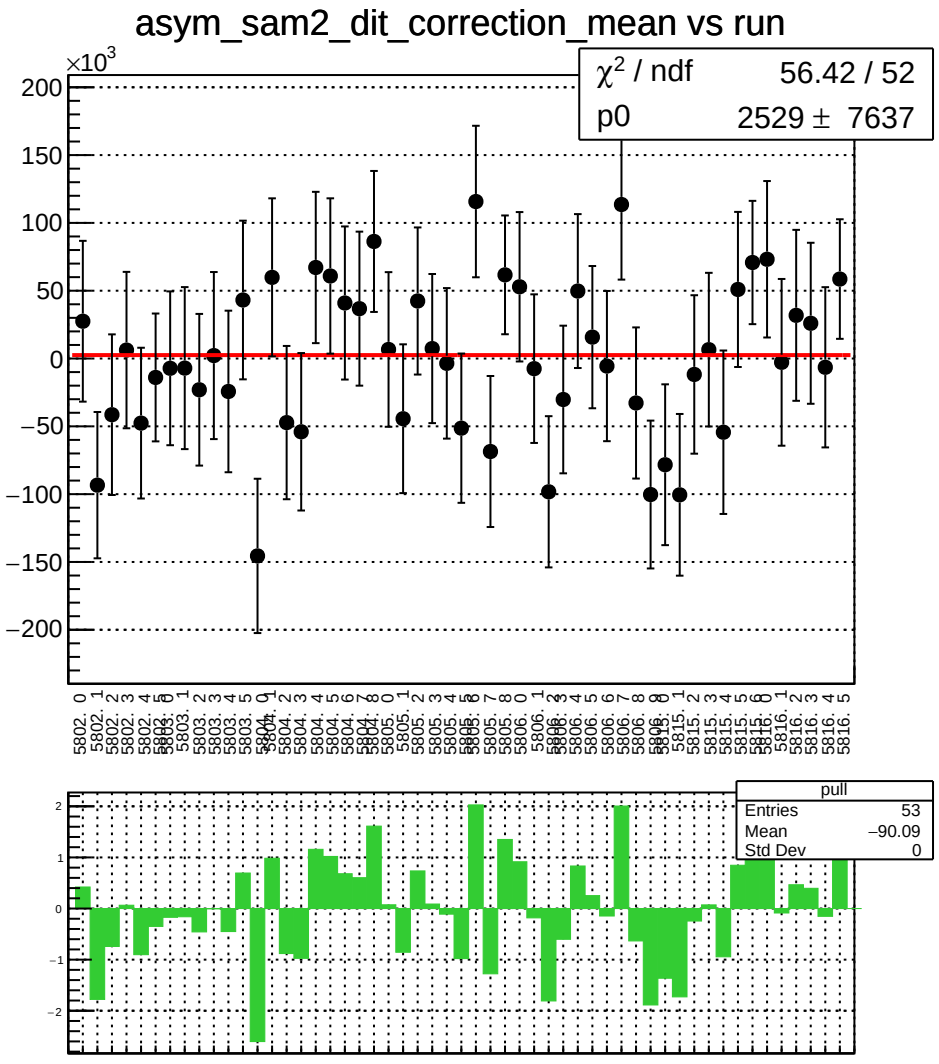

pull1D
Entries 53
Mean −0.01994
Std Dev 1.032

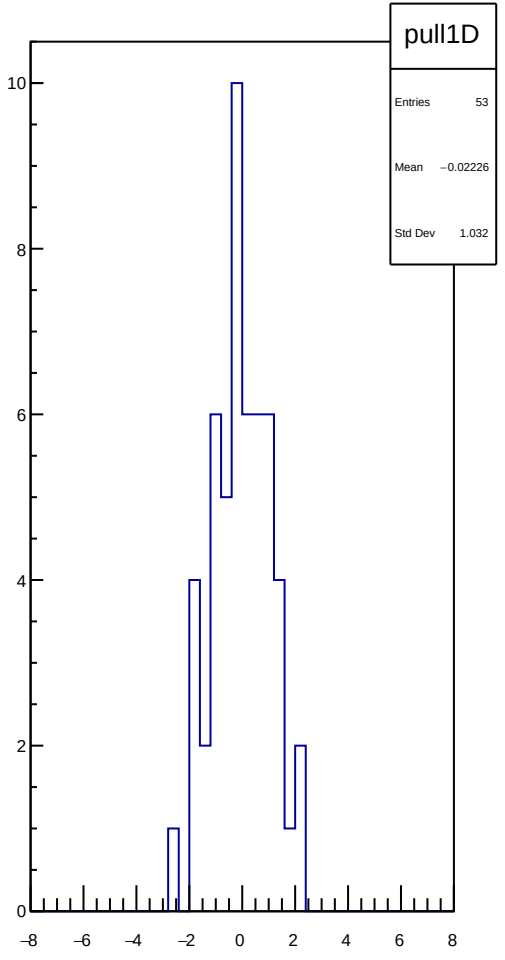

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1553 / 52
p0 5266 ± 5.266
5800
5600
5400
5200
5000
4800

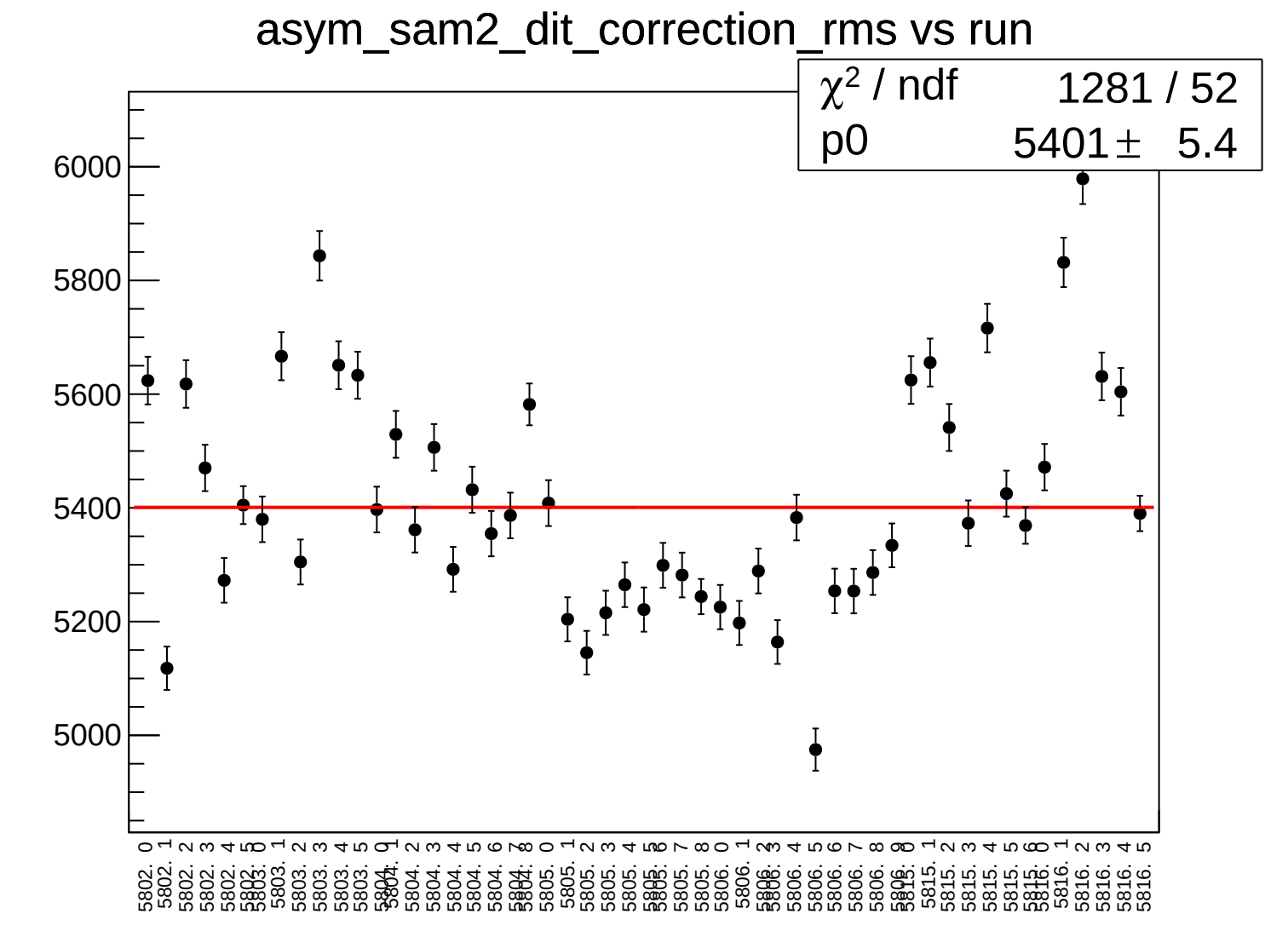

dit_asym_sam2_mean vs run
χ² / ndf 51.94 / 52
p0 432.6 ± 720.4
pull
Entries 53
Mean −215.1
Std Dev 0

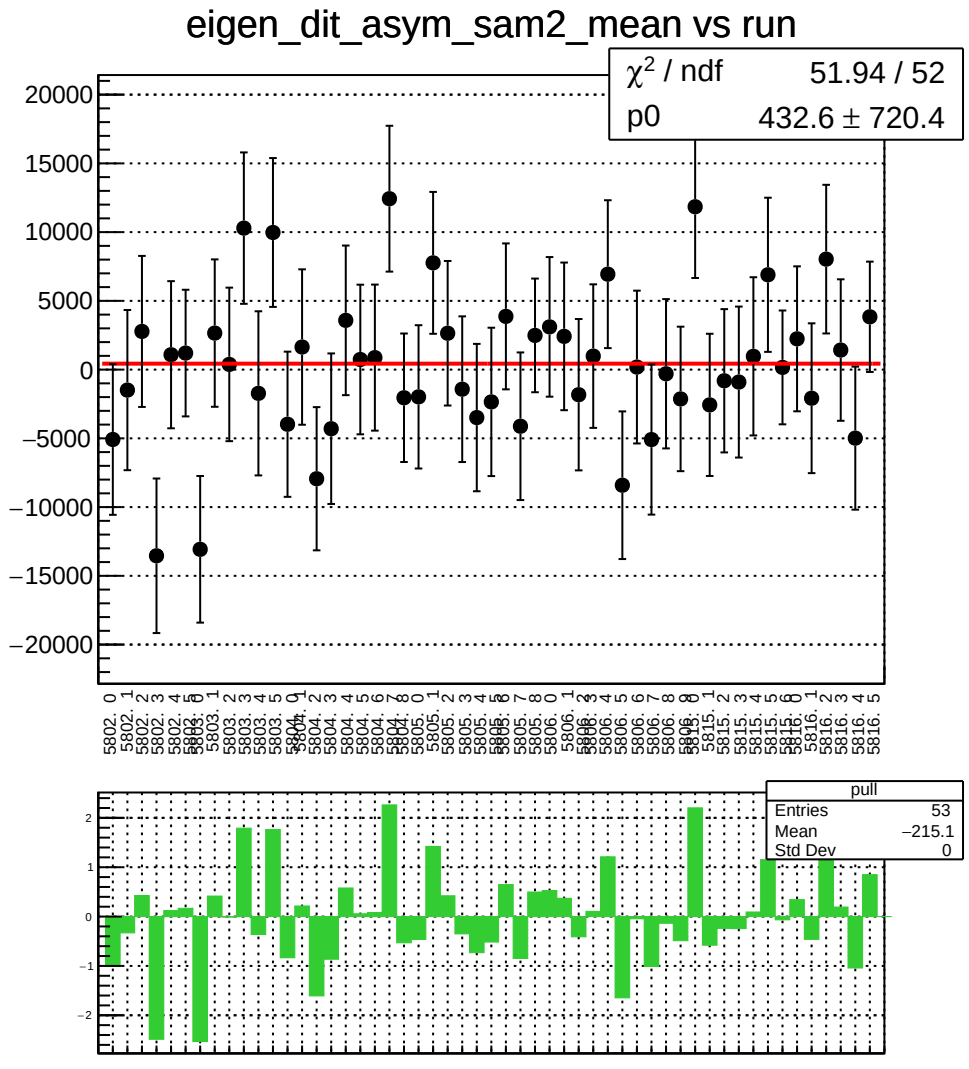

pull1D
Entries 53
Mean −0.009871
Std Dev 0.9899

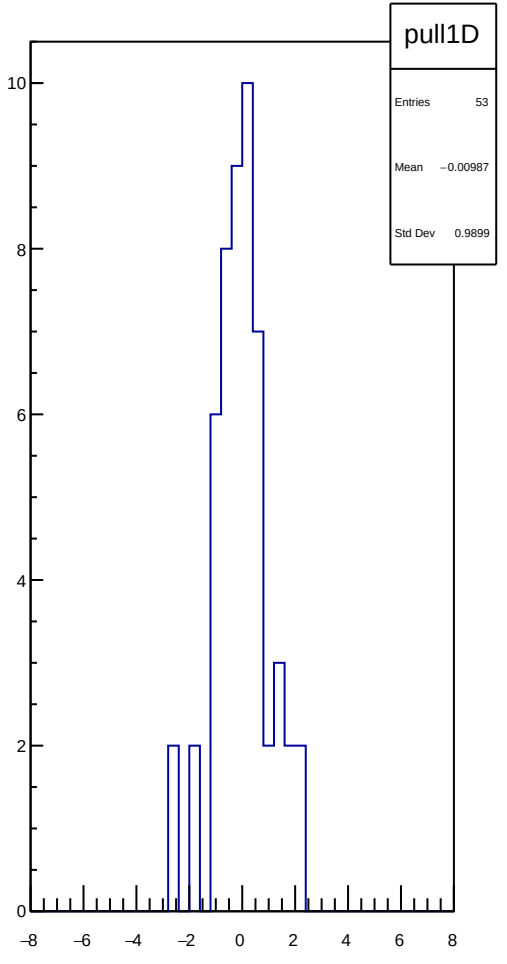

dit_asym_sam2_rms vs run
χ² / ndf 1059 / 52
p0 509.5 ± 0.5094
560
540
520
500
480

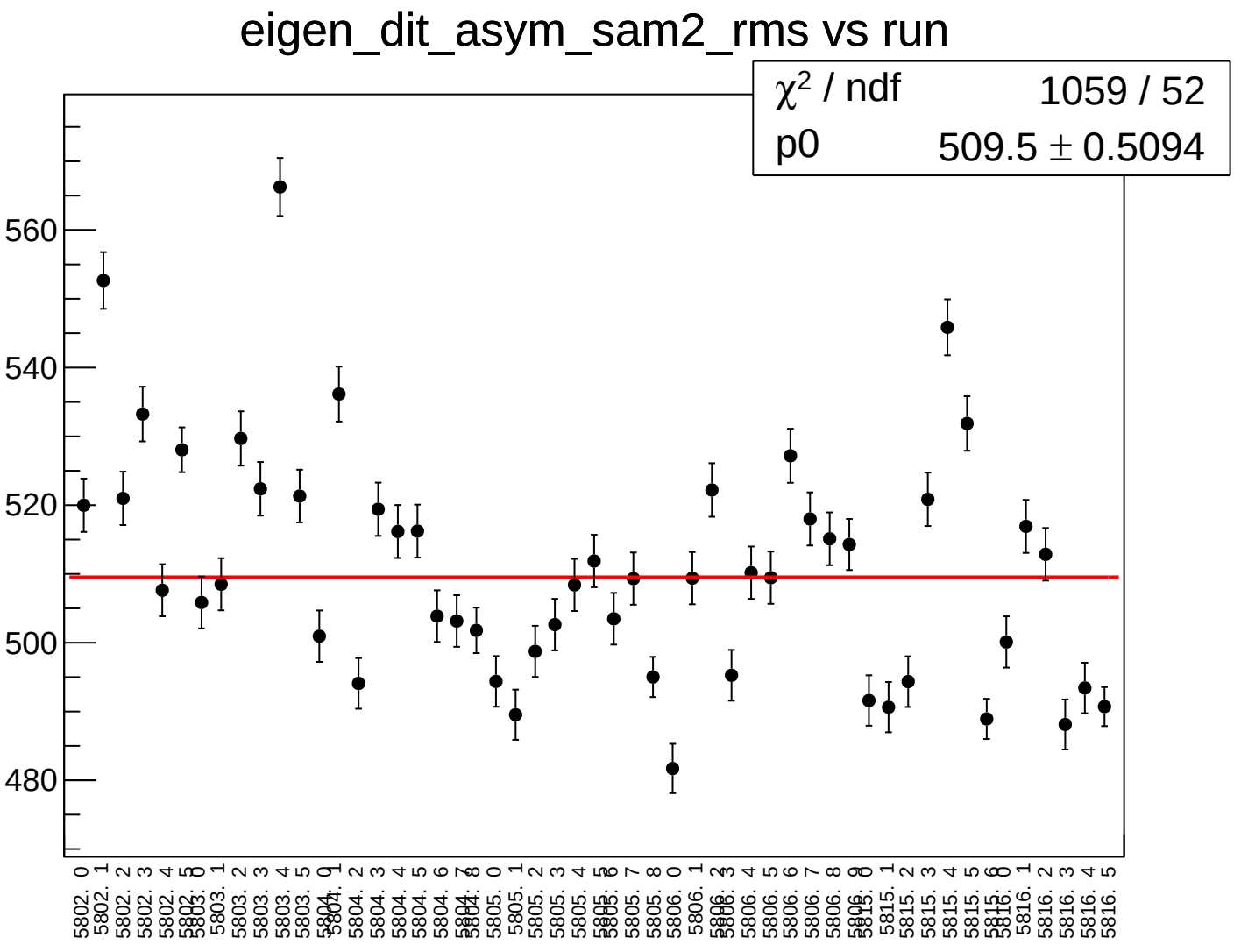

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 56.42 / 52
p0 2529 ± 7637
pull
Entries 53
Mean −90.09
Std Dev 0

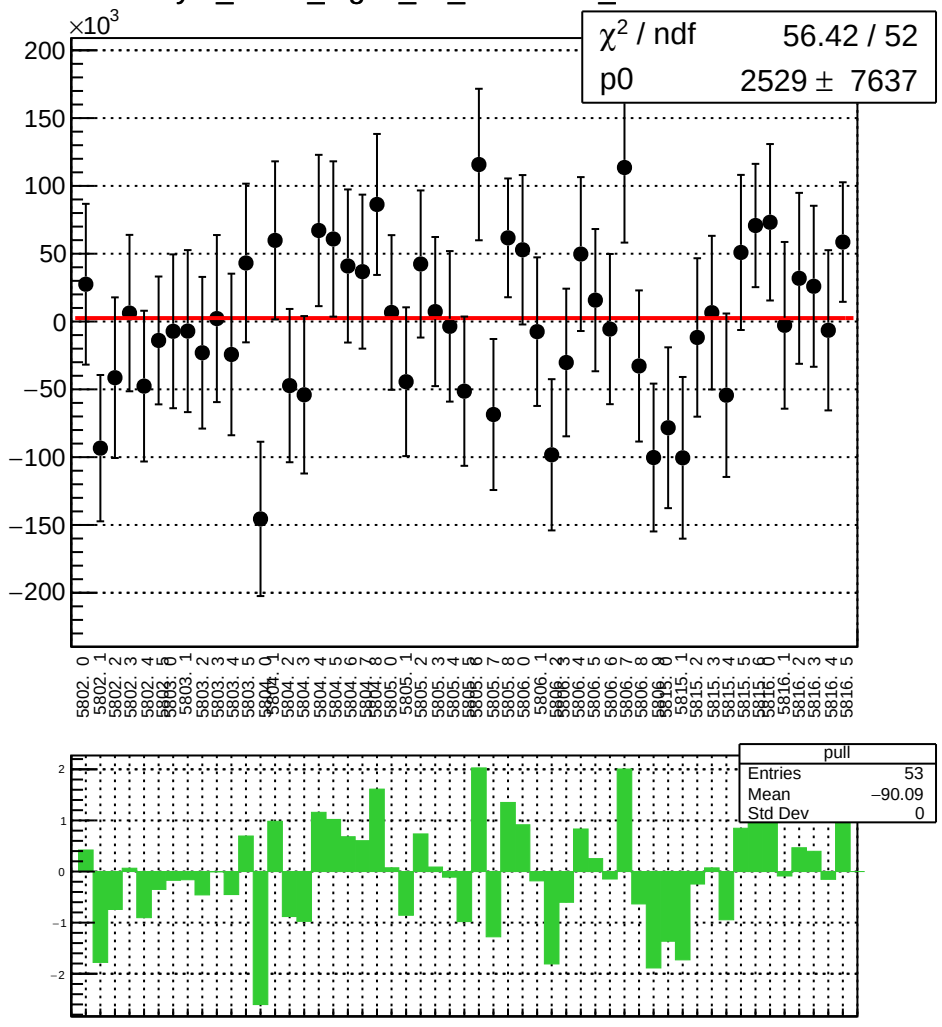

pull1D
Entries 53
Mean −0.02226
Std Dev 1.032

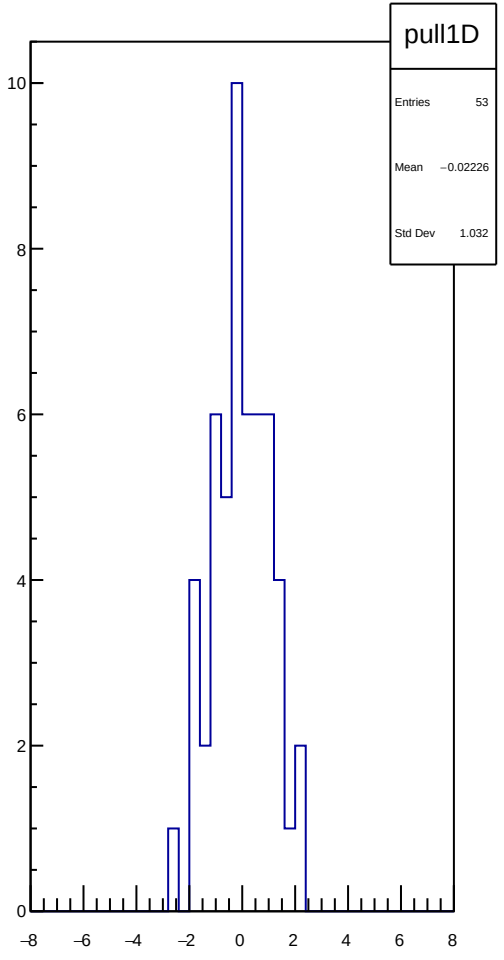

asym_sam2_dit_correction_rms vs run
χ² / ndf 1281 / 52
p0 5401 ± 5.4
6000
5800
5600
5400
5200
5000

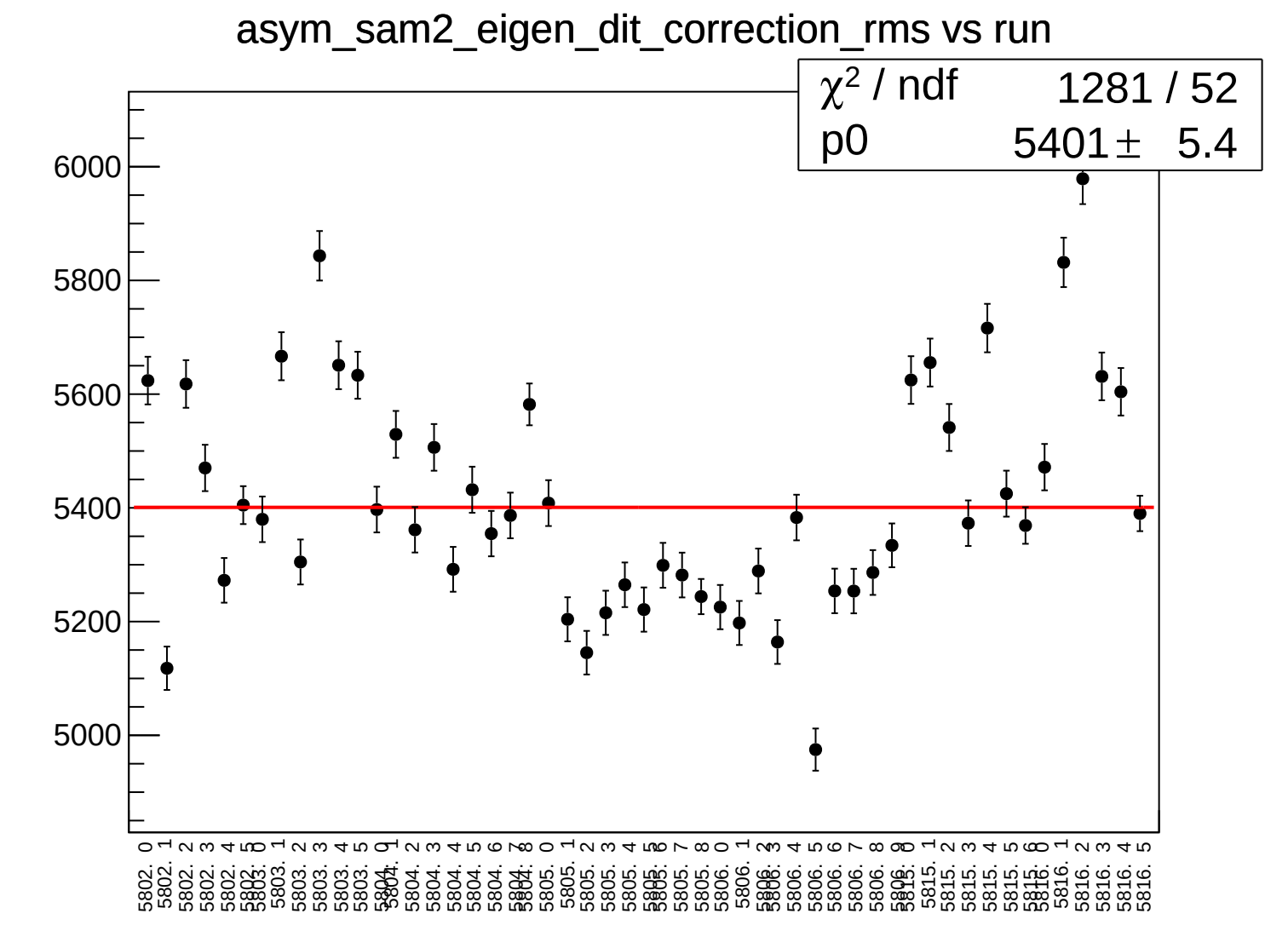

eigen_dit_asym_sam2_mean vs run
χ² / ndf 51.94 / 52
p0 432.6 ± 720.4
pull
Entries 53
Mean −215.1
Std Dev 0

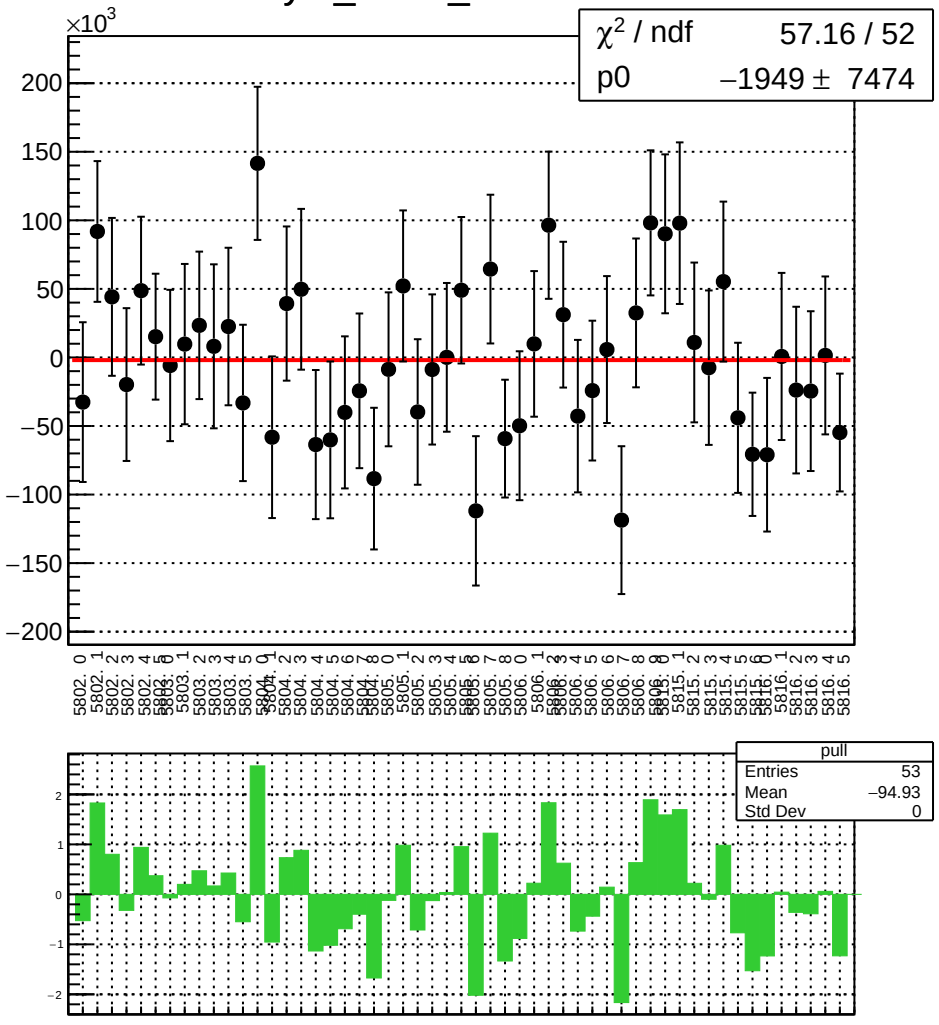

pull1D
Entries 53
Mean −0.00987
Std Dev 0.9899

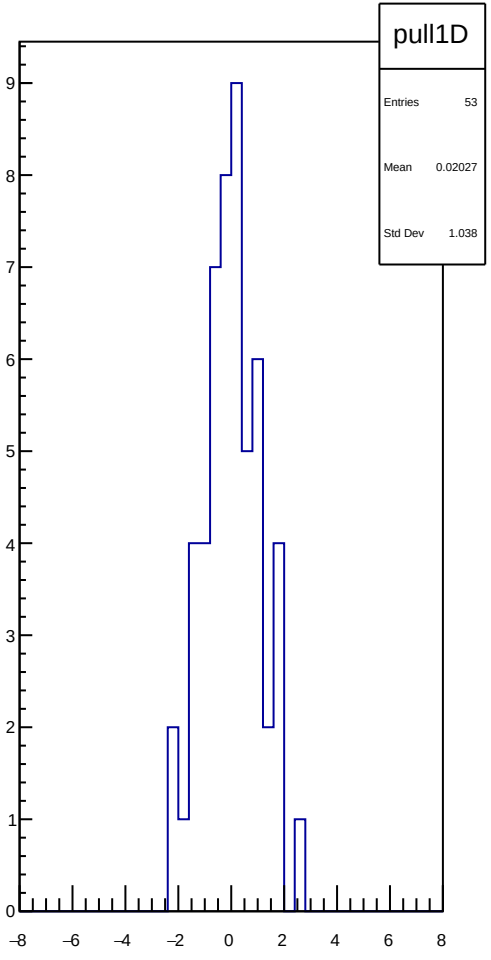

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1059 / 52
p0 509.5 ± 0.5094
560
540
520
500
480

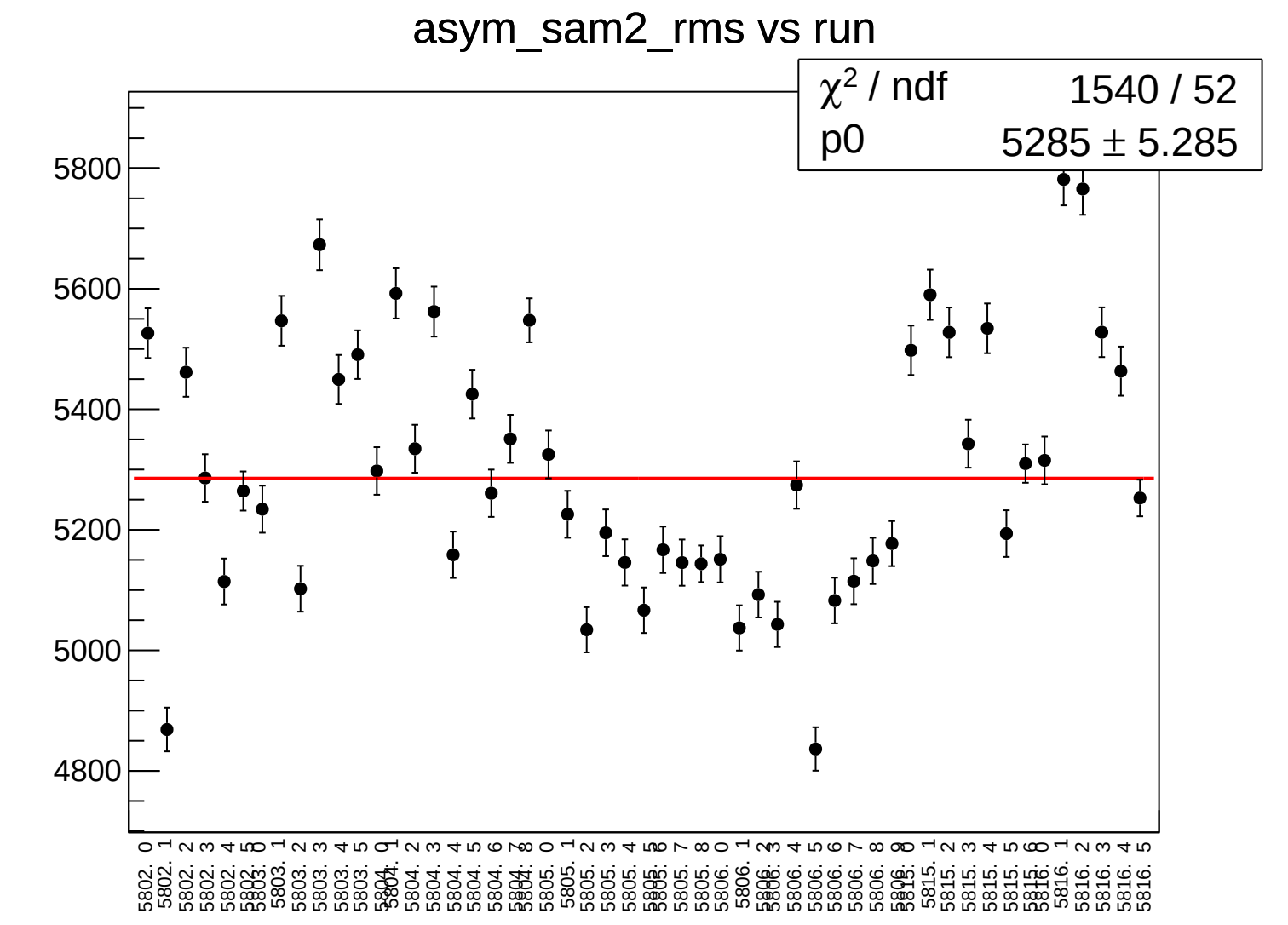

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.42 / 52
p0 2529 ± 7637
pull
Entries 53
Mean −90.09
Std Dev 0

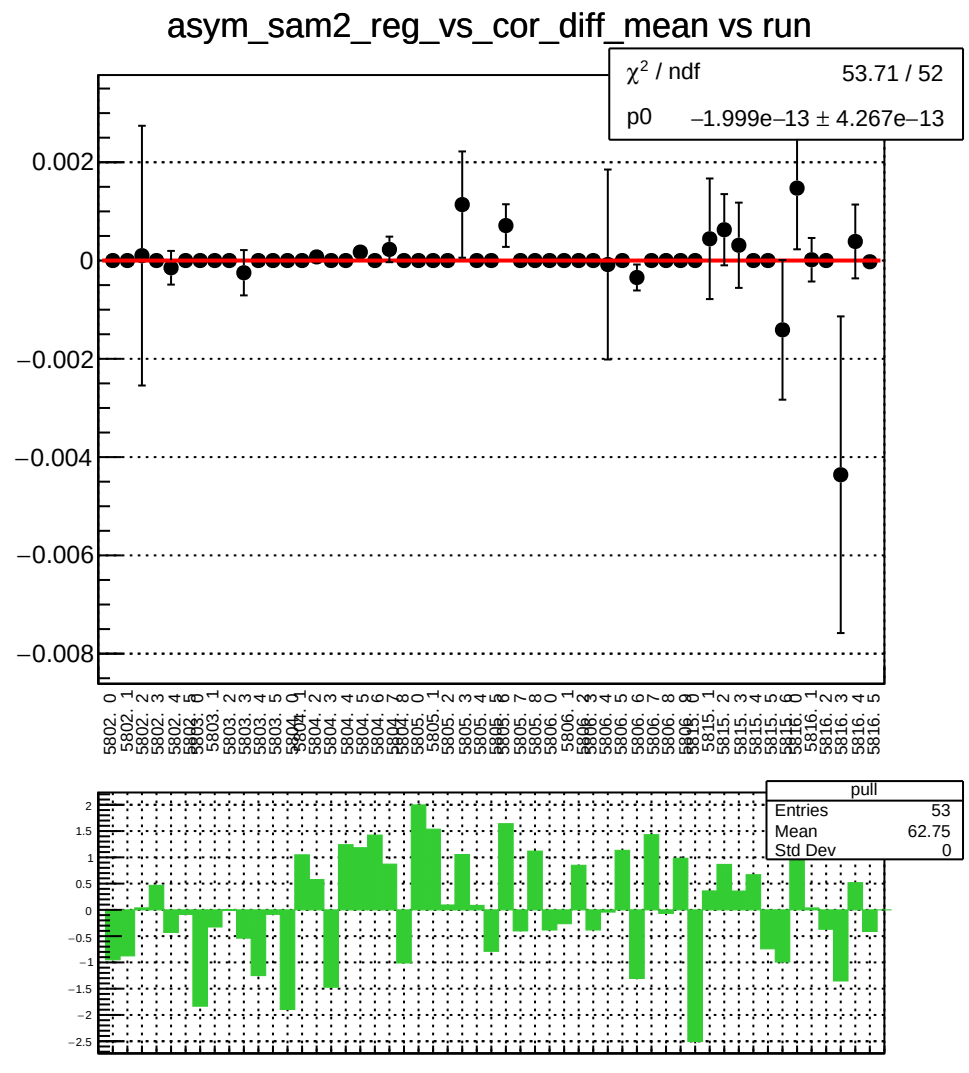

pull1D
Entries 53
Mean −0.02226
Std Dev 1.032

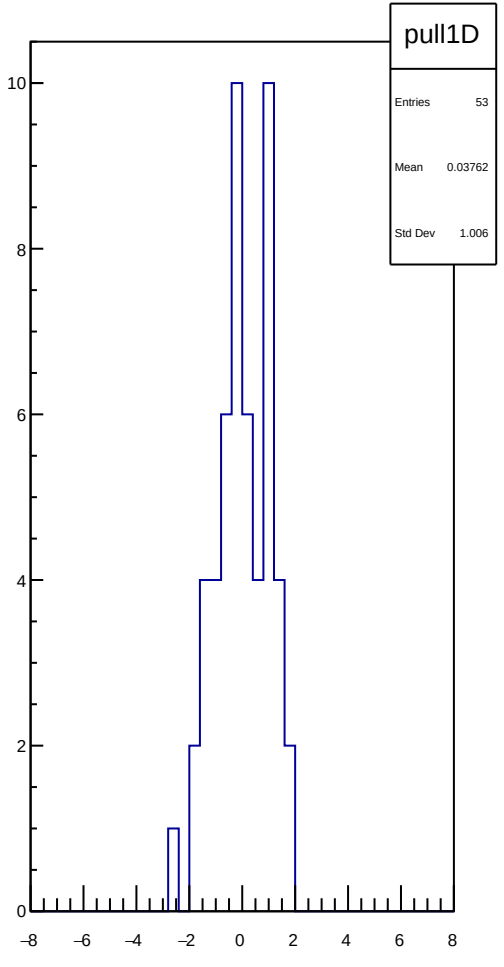

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 1281 / 52
p0 5401 ± 5.4
6000
5800
5600
5400
5200
5000

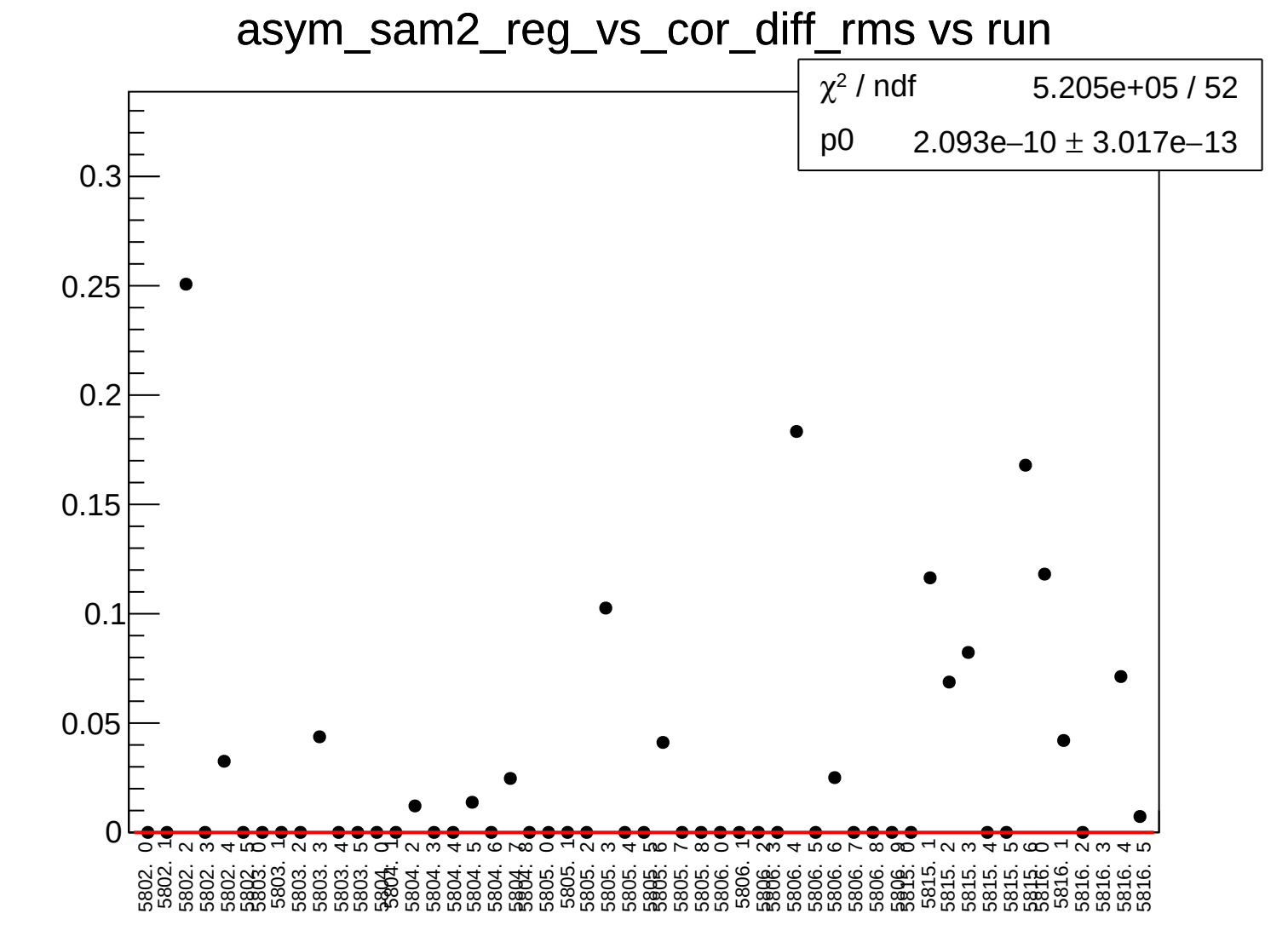

asym_sam2_mean vs run
×10^3
χ² / ndf 57.16 / 52
p0 −1949 ± 7474
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −94.93
Std Dev 0
2
1
0
−1
−2

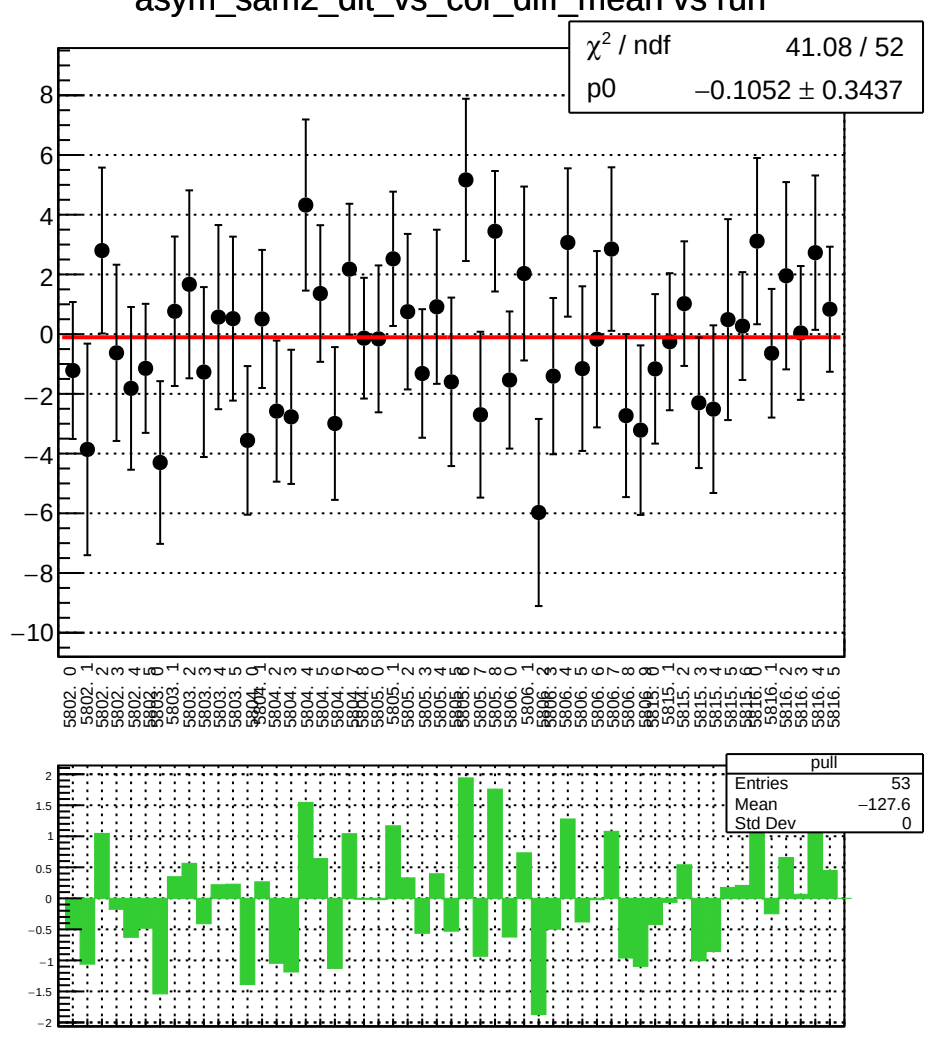

pull1D
Entries 53
Mean 0.02027
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

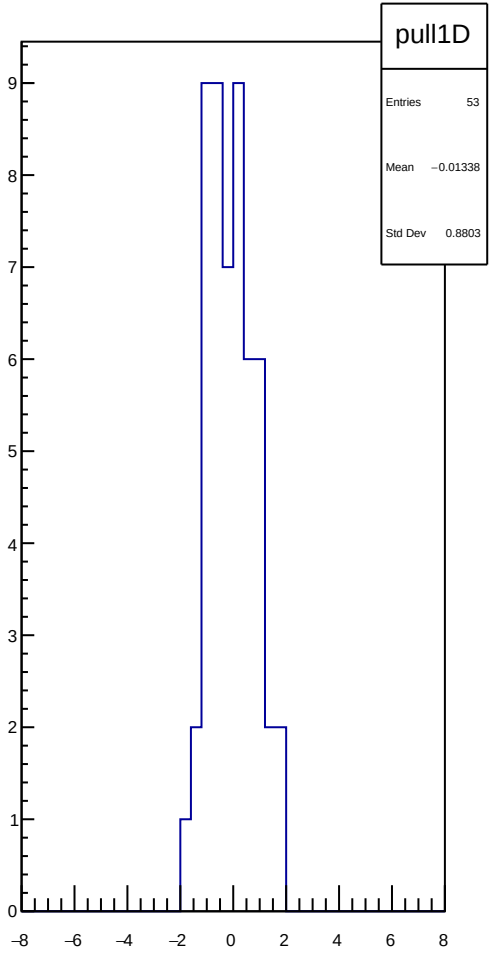

asym_sam2_rms vs run
χ² / ndf 1540 / 52
p0 5285 ± 5.285
5800
5600
5400
5200
5000
4800

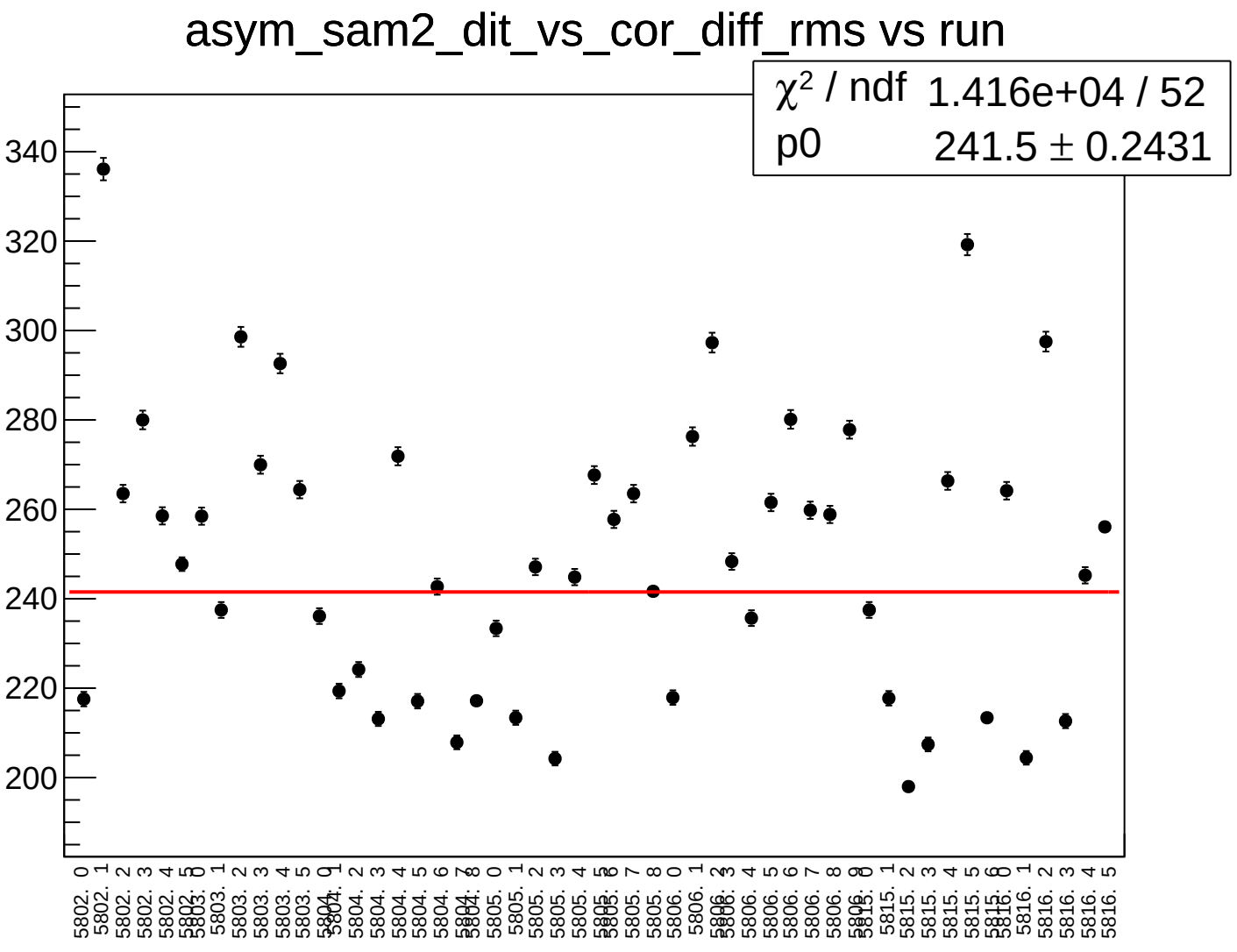

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 53.71 / 52
p0 −1.999e−13 ± 4.267e−13
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 53
Mean 62.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

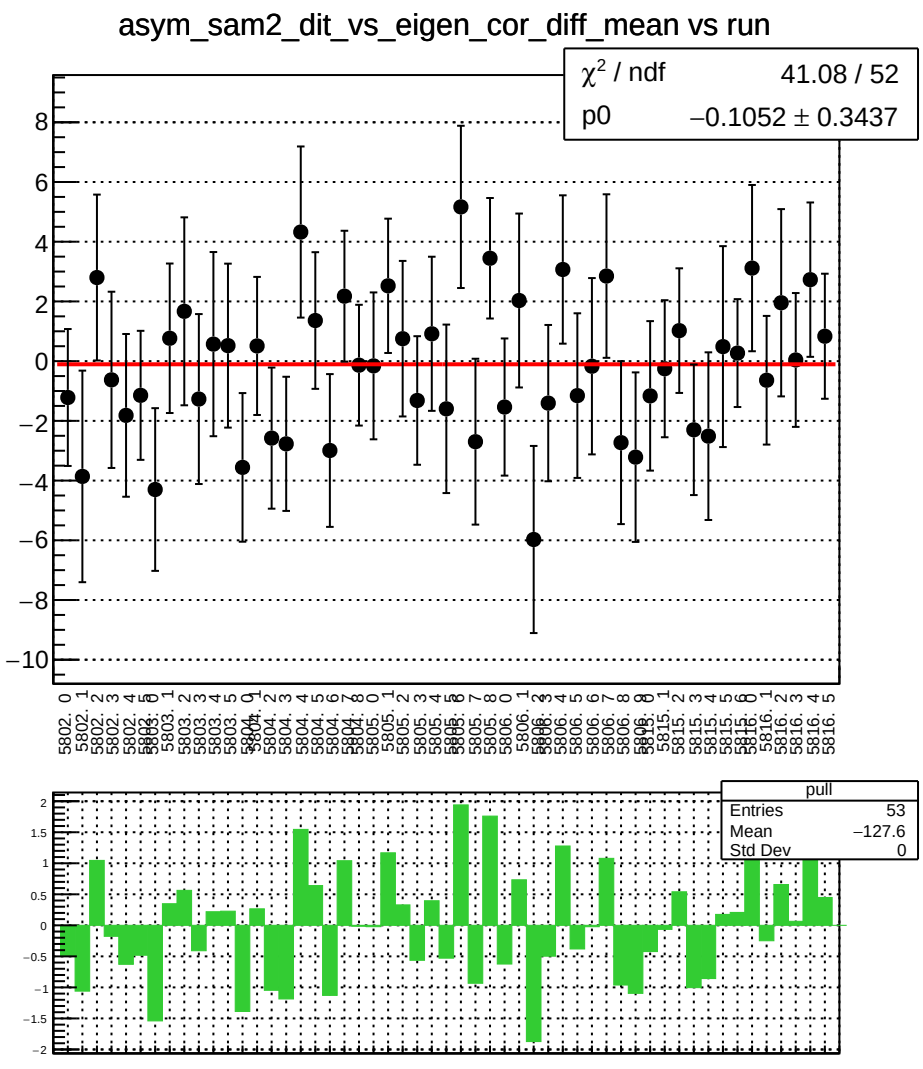

pull1D
Entries 53
Mean 0.03762
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

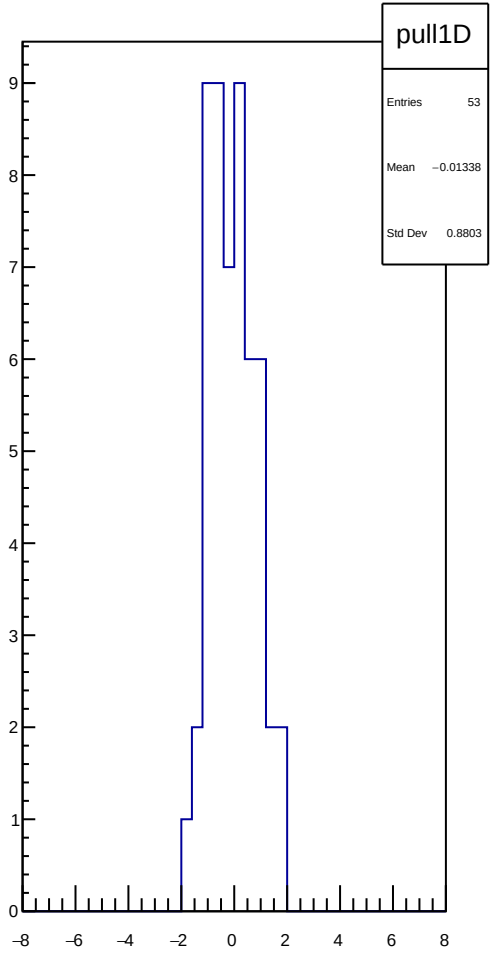

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.205e+05 / 52
p0 2.093e−10 ± 3.017e−13
0.3
0.25
0.2
0.15
0.1
0.05
0

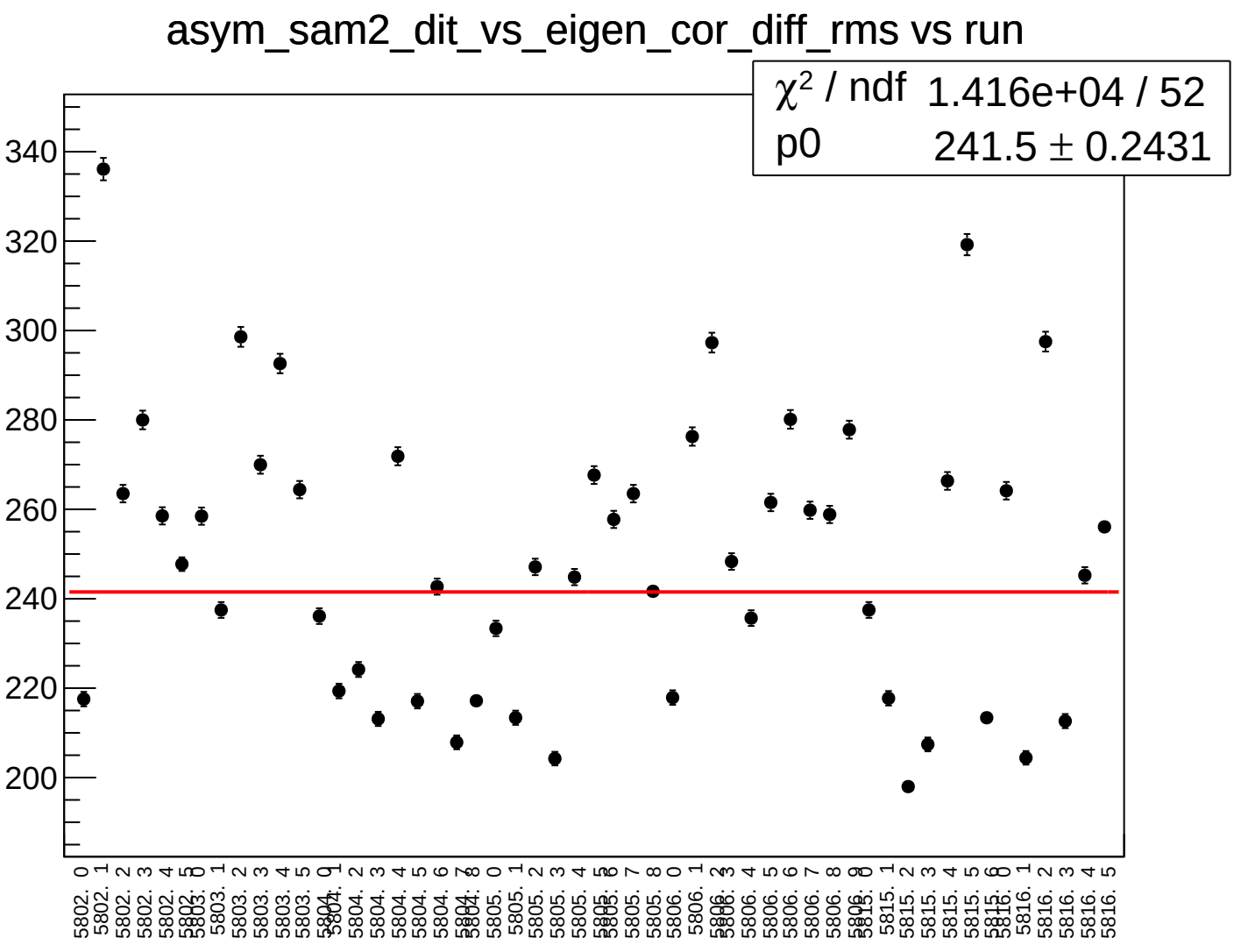

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 41.08 / 52
p0 −0.1052 ± 0.3437
pull
Entries 53
Mean −127.6
Std Dev 0

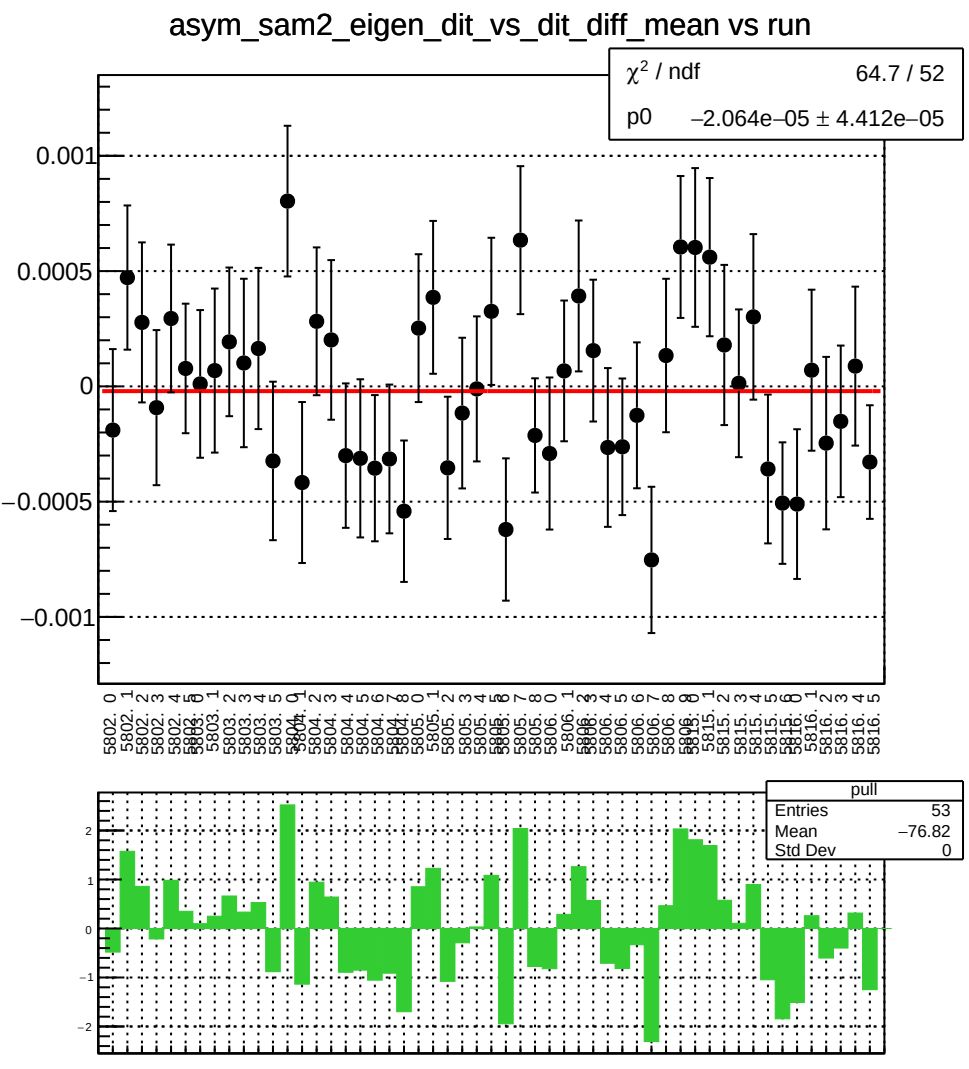

pull1D
Entries 53
Mean −0.01338
Std Dev 0.8803

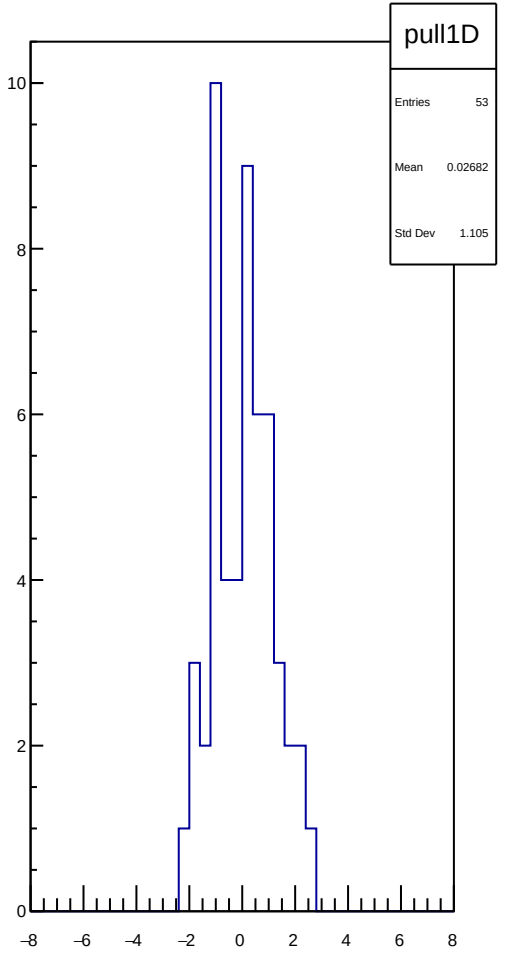

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.416e+04 / 52
p0 241.5 ± 0.2431
340
320
300
280
260
240
220
200

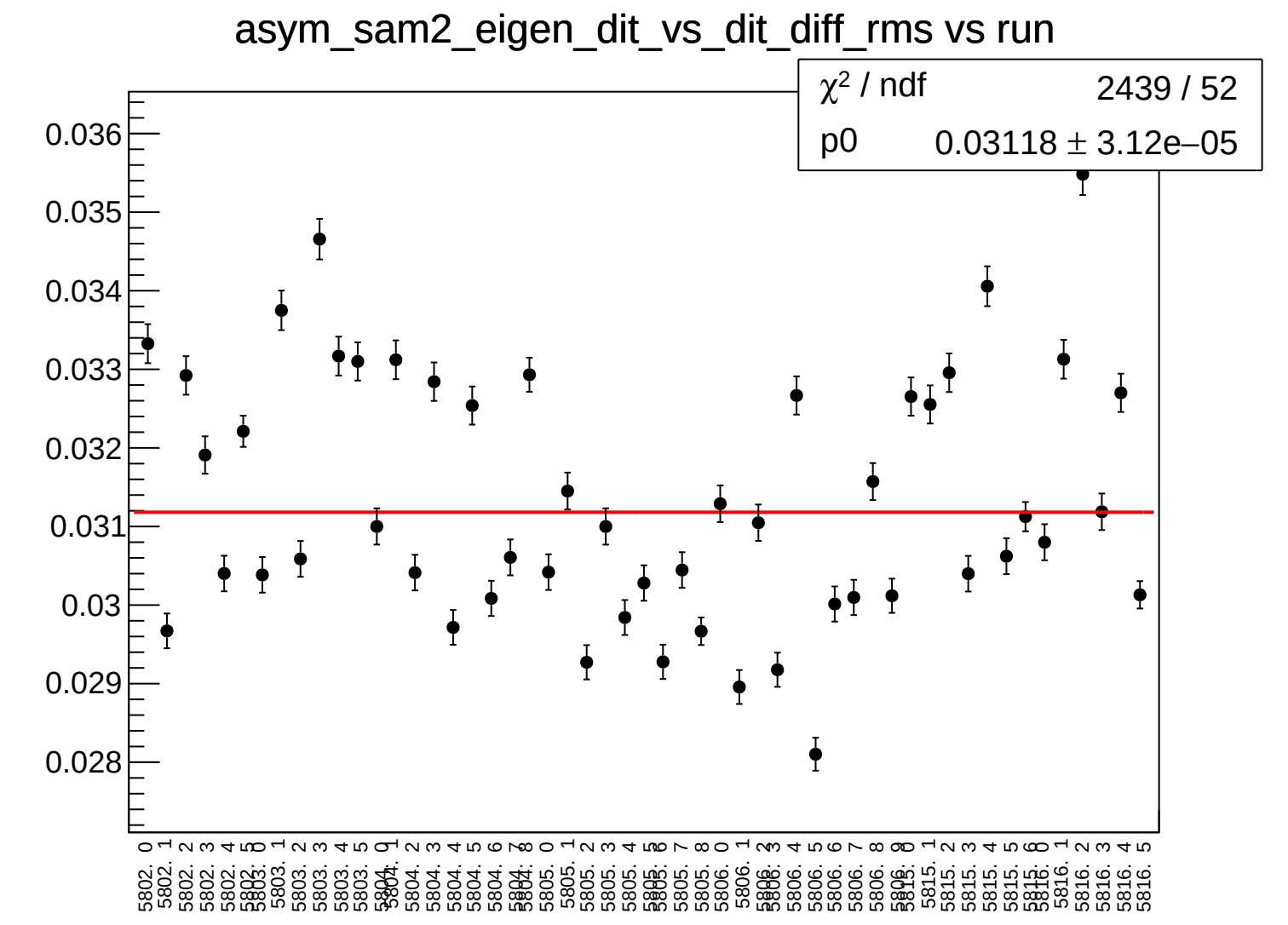

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.08 / 52
p0 −0.1052 ± 0.3437
pull
Entries 53
Mean −127.6
Std Dev 0

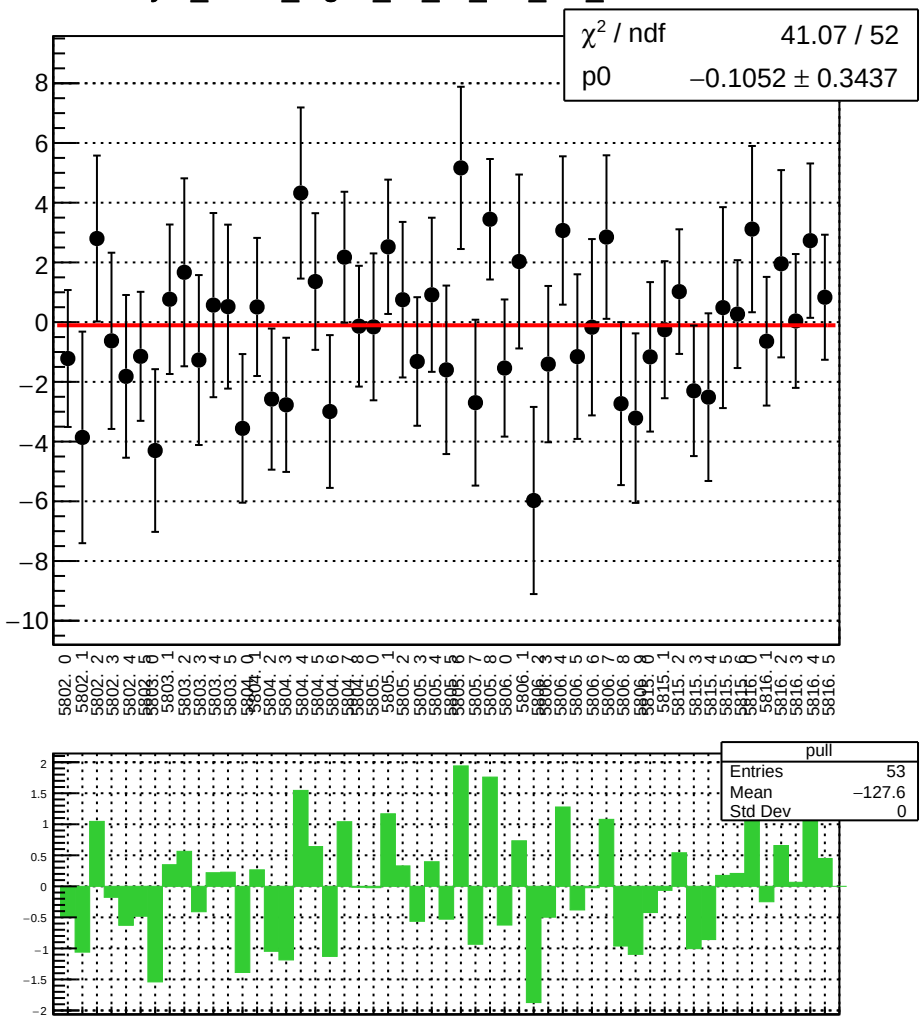

pull1D
Entries 53
Mean −0.01338
Std Dev 0.8803

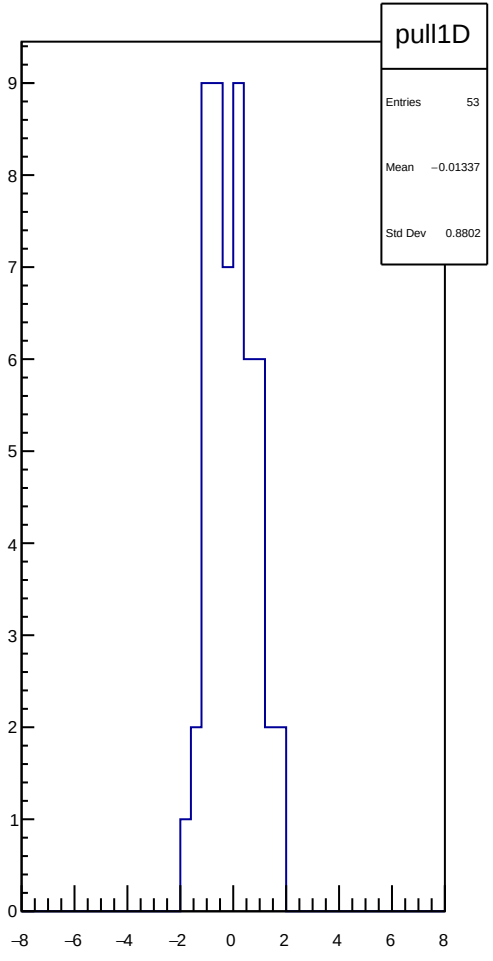

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.416e+04 / 52
p0 241.5 ± 0.2431
340
320
300
280
260
240
220
200

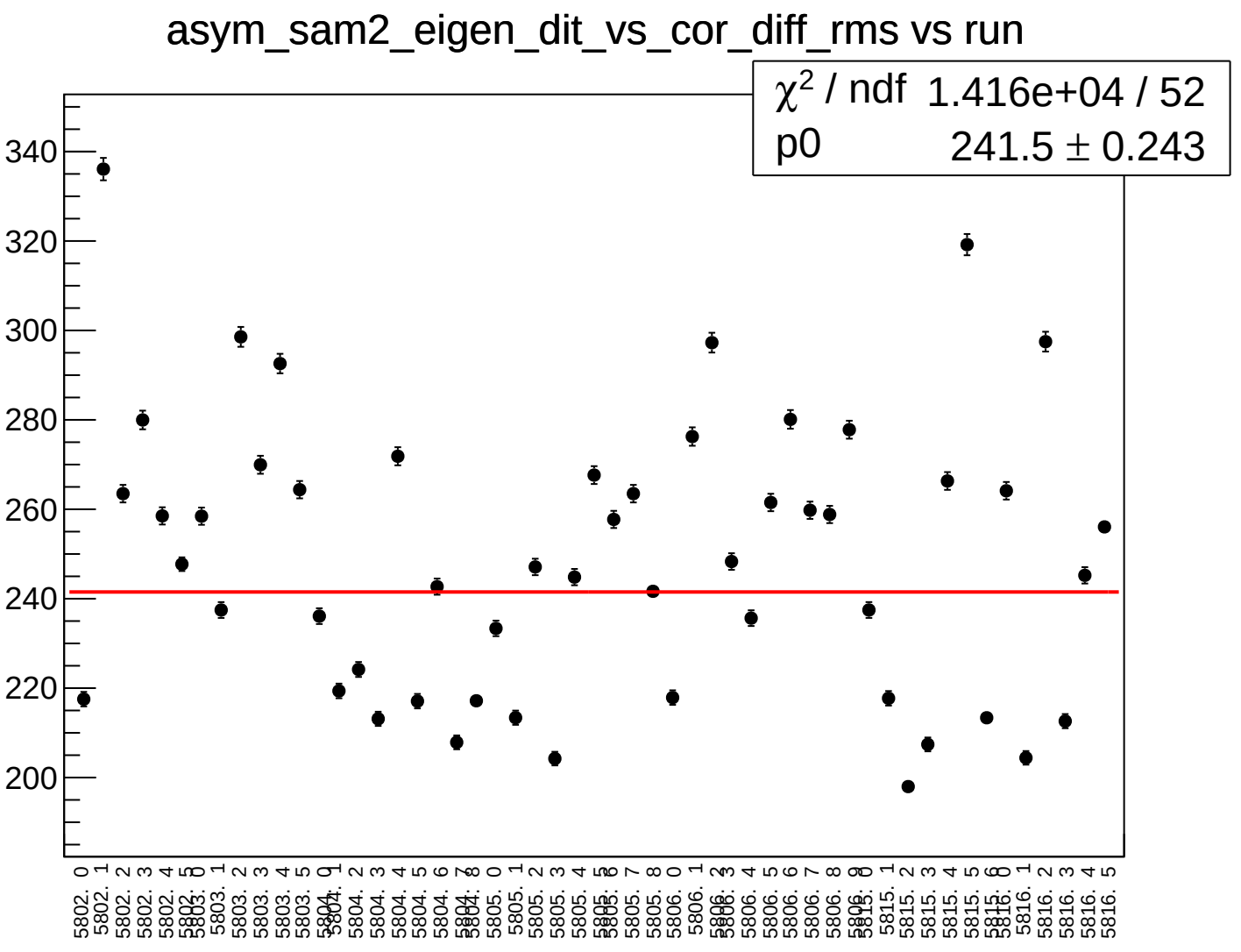

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 64.7 / 52
p0 −2.064e−05 ± 4.412e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 53
Mean −76.82
Std Dev 0

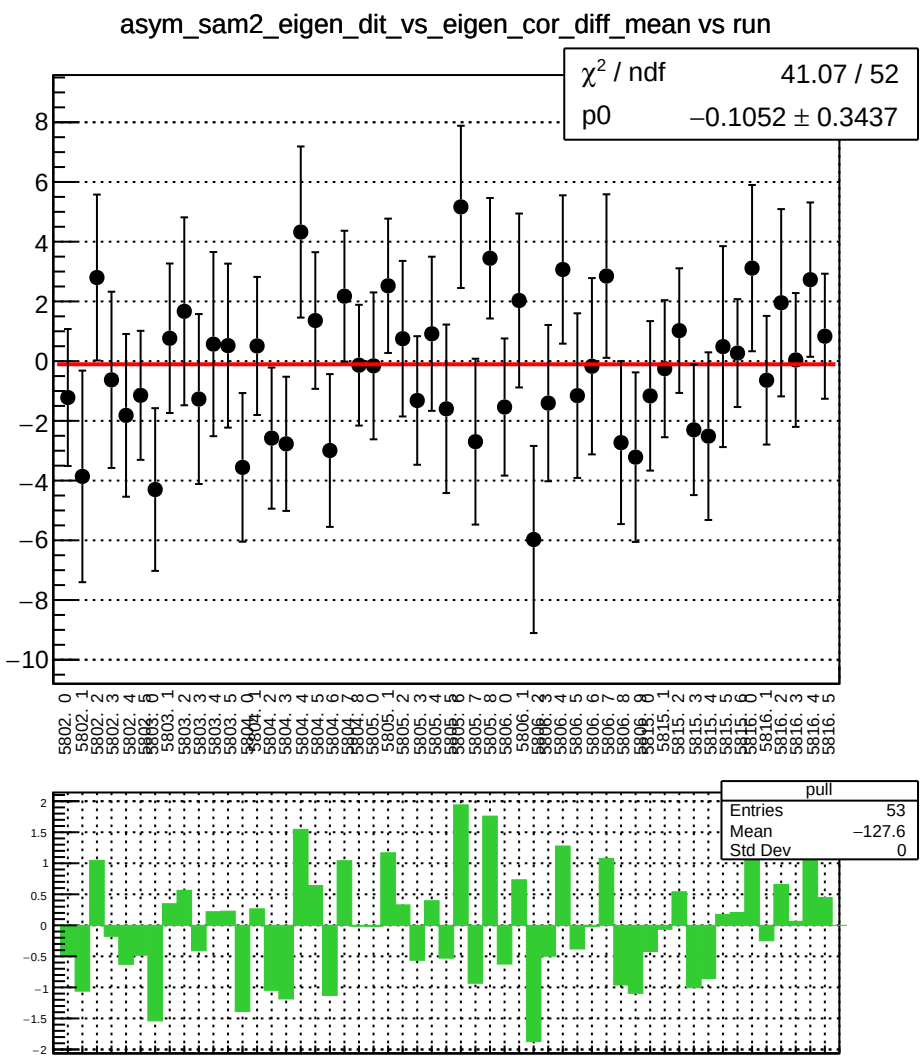

pull1D
Entries 53
Mean 0.02682
Std Dev 1.105

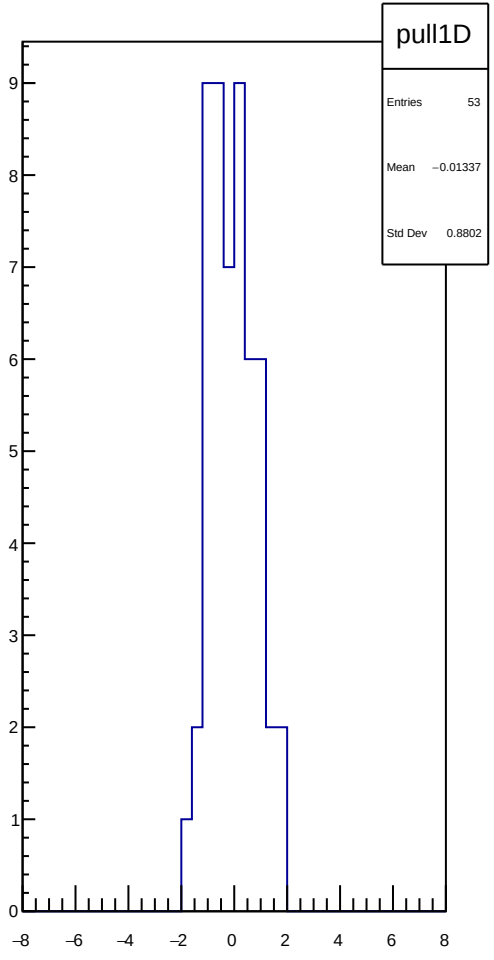

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2439 / 52
p0 0.03118 ± 3.12e−05
0.036
0.035
0.034
0.033
0.032
0.031
0.03
0.029
0.028

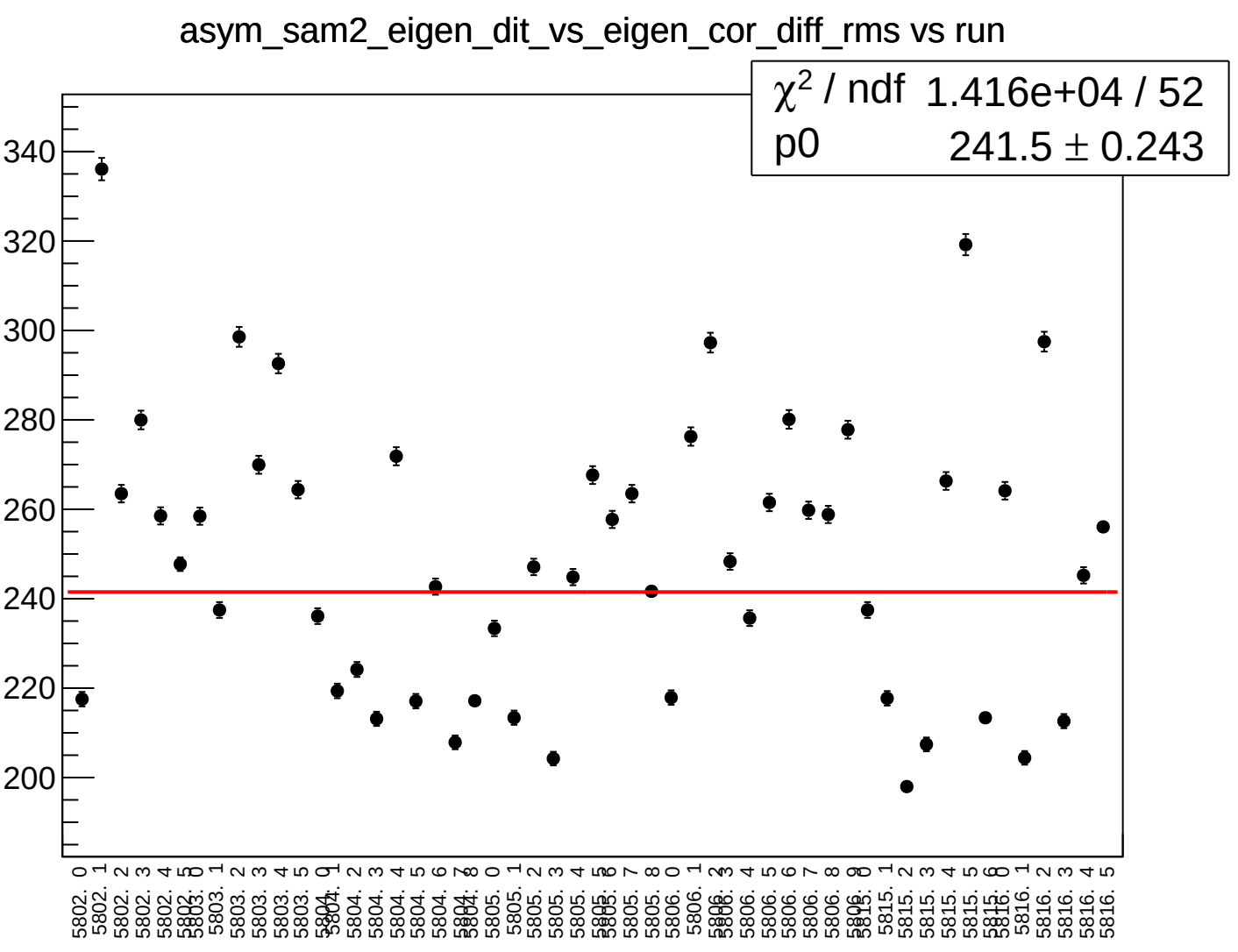

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.07 / 52
p0 −0.1052 ± 0.3437
pull
Entries 53
Mean −127.6
Std Dev 0

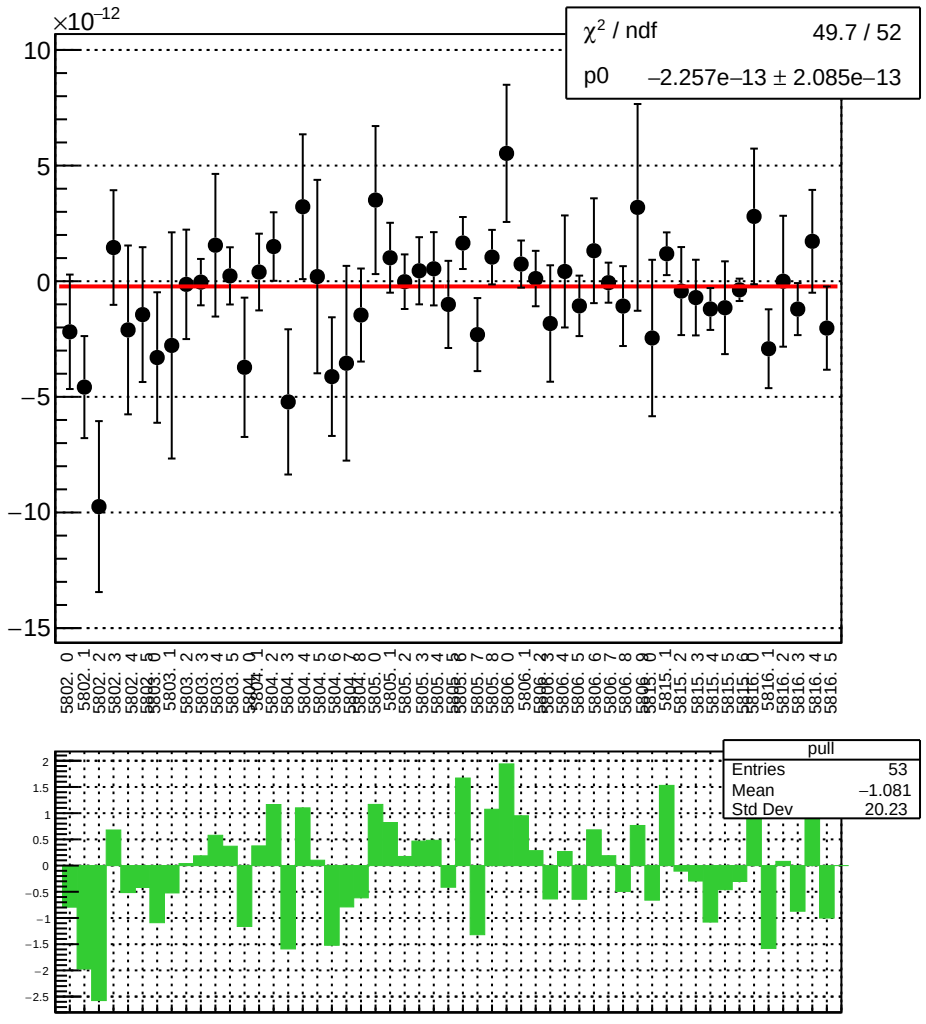

pull1D
Entries 53
Mean −0.01337
Std Dev 0.8802

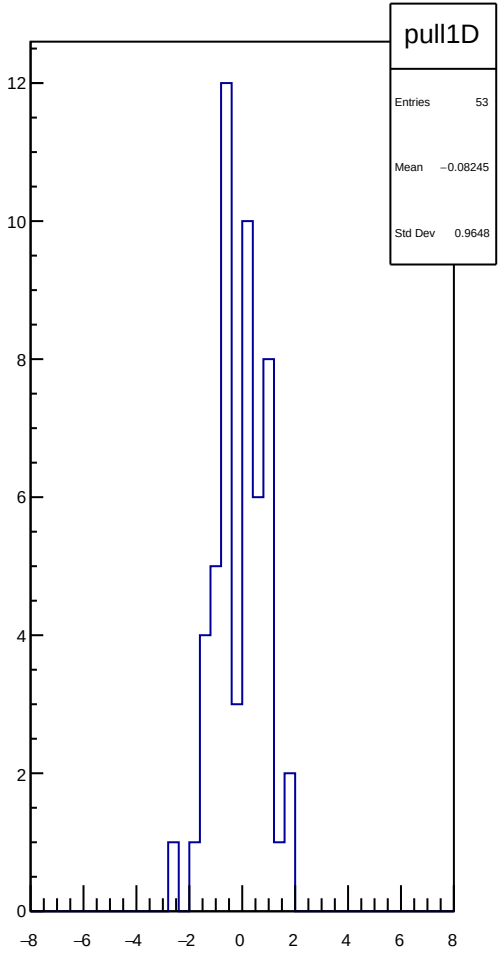

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.416e+04 / 52
p0 241.5 ± 0.243
340
320
300
280
260
240
220
200
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

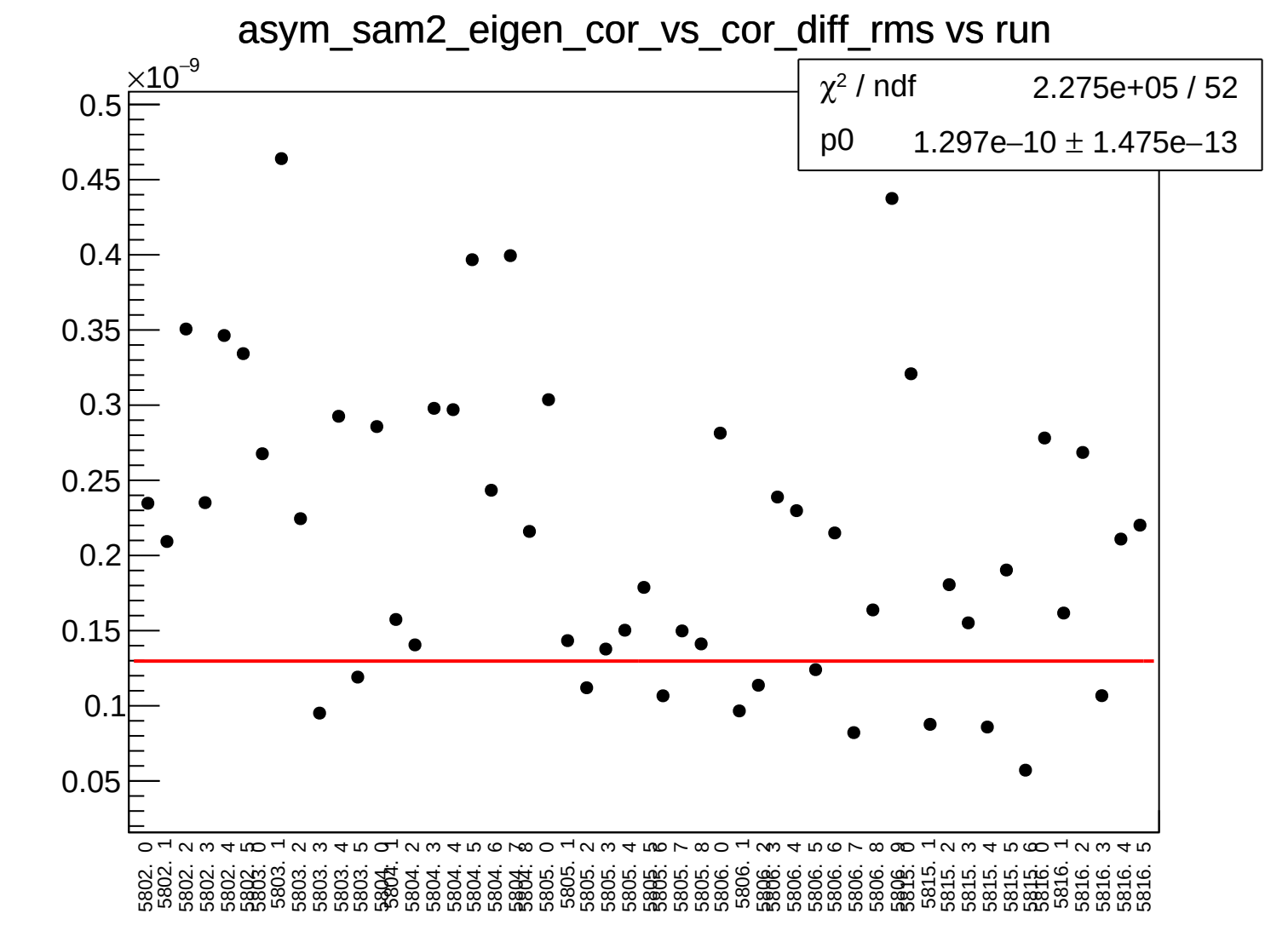

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.07 / 52
p0 −0.1052 ± 0.3437
pull
Entries 53
Mean −127.6
Std Dev 0

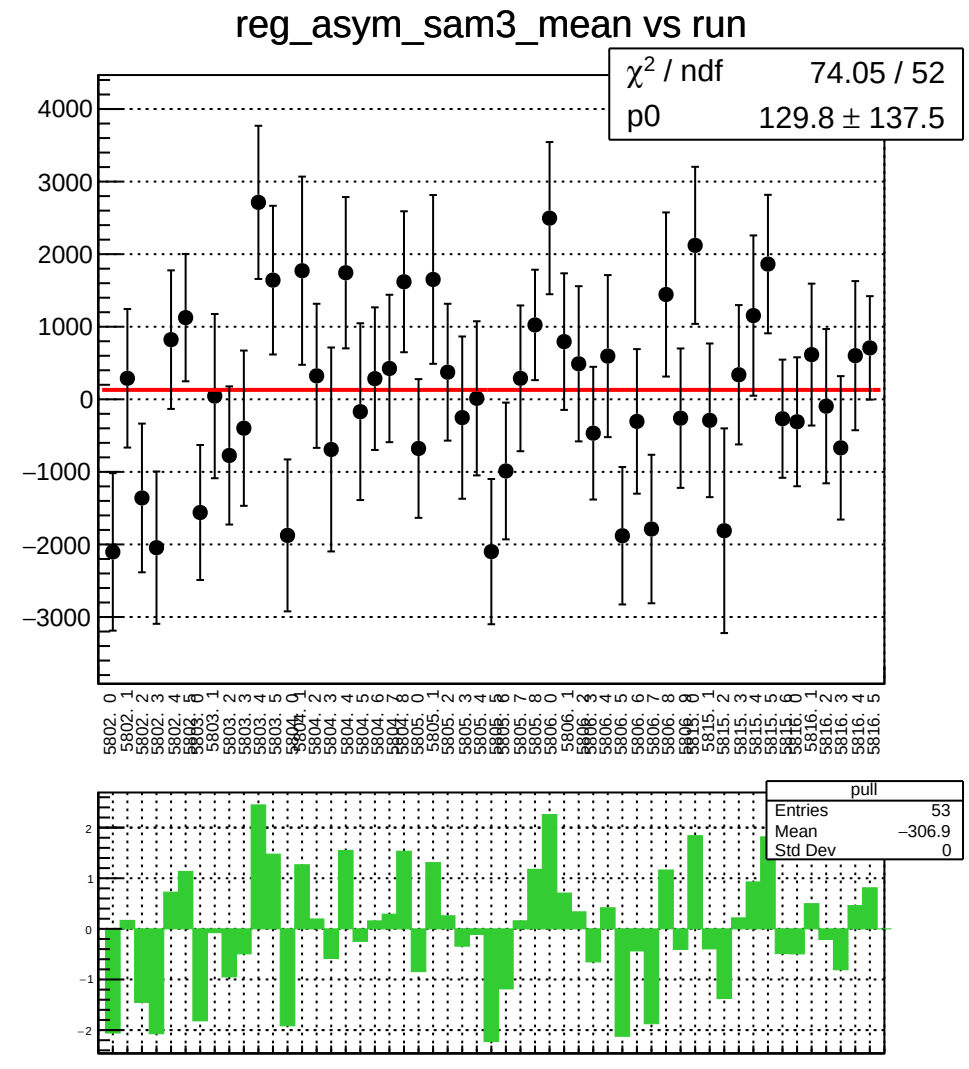

pull1D
Entries 53
Mean −0.01337
Std Dev 0.8802

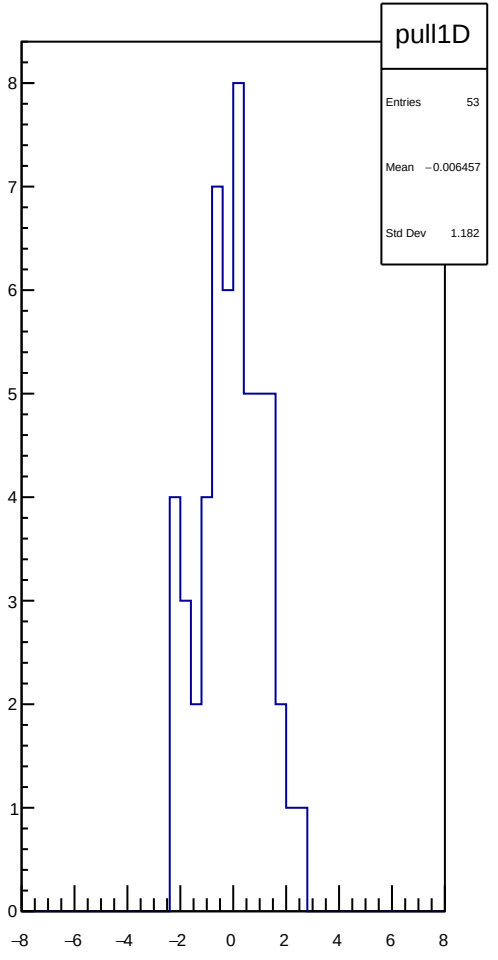

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.416e+04 / 52
p0 241.5 ± 0.243
340
320
300
280
260
240
220
200

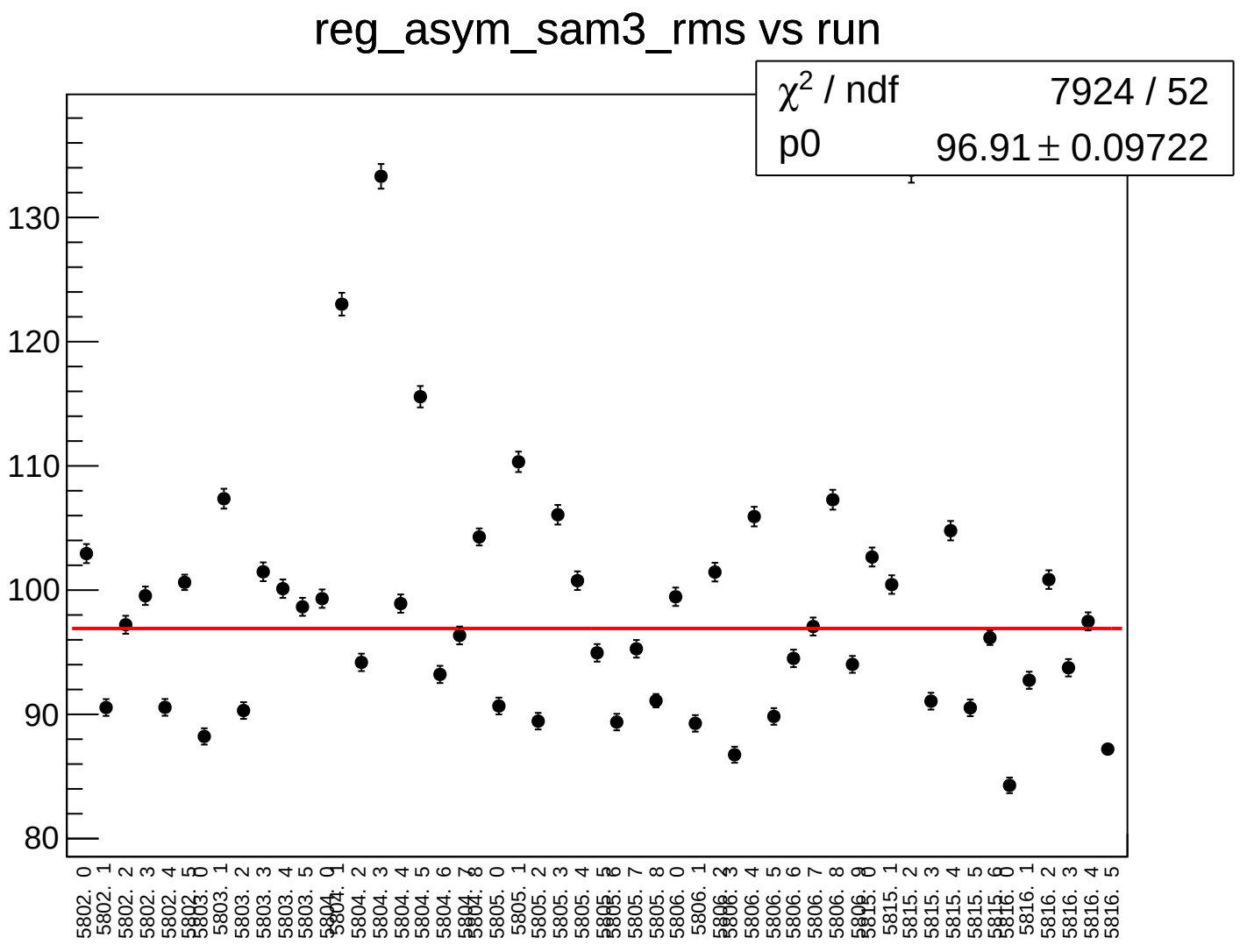

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.7 / 52
p0 −2.257e−13 ± 2.085e−13
pull
Entries 53
Mean −1.081
Std Dev 20.23

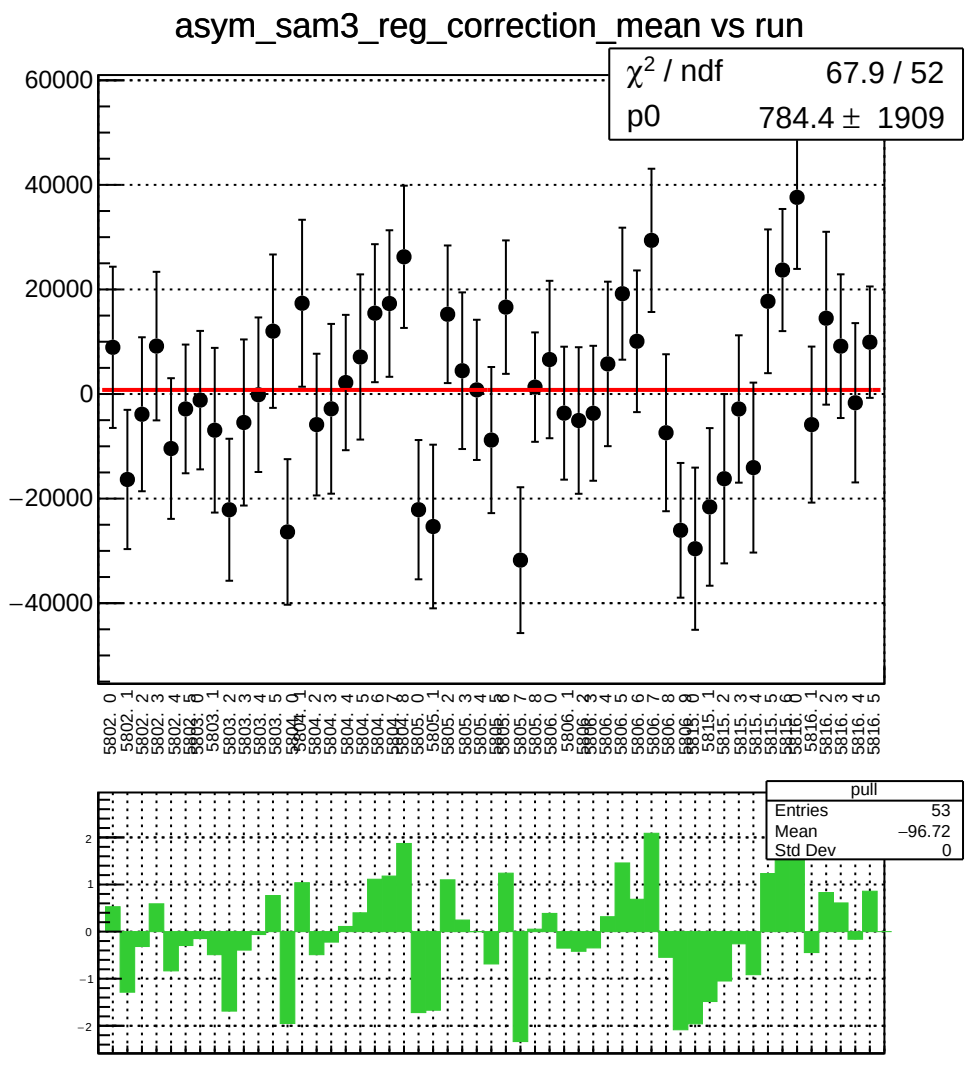

pull1D
Entries 53
Mean −0.08245
Std Dev 0.9648

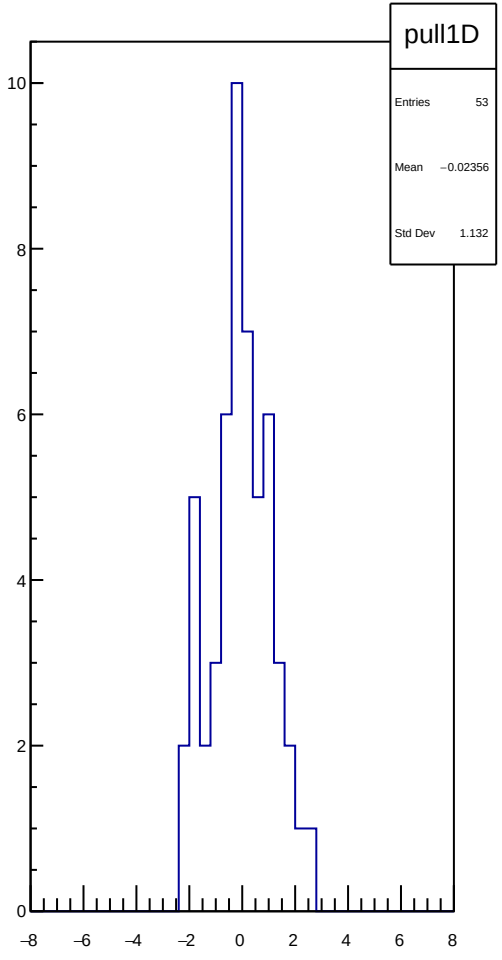

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.275e+05 / 52
p0 1.297e−10 ± 1.475e−13
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

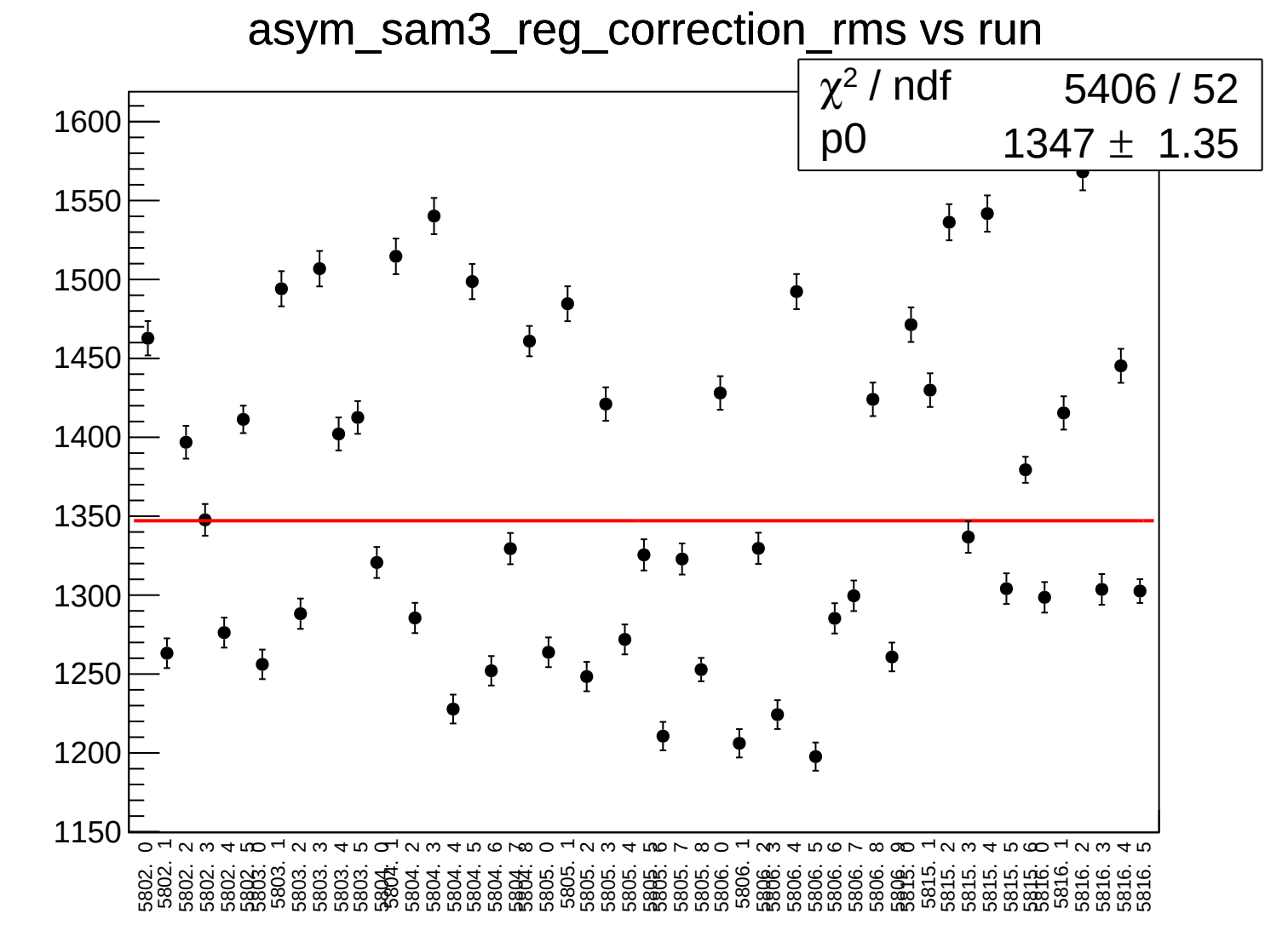

reg_asym_sam3_mean vs run
χ² / ndf 74.05 / 52
p0 129.8 ± 137.5
pull
Entries 53
Mean −306.9
Std Dev 0

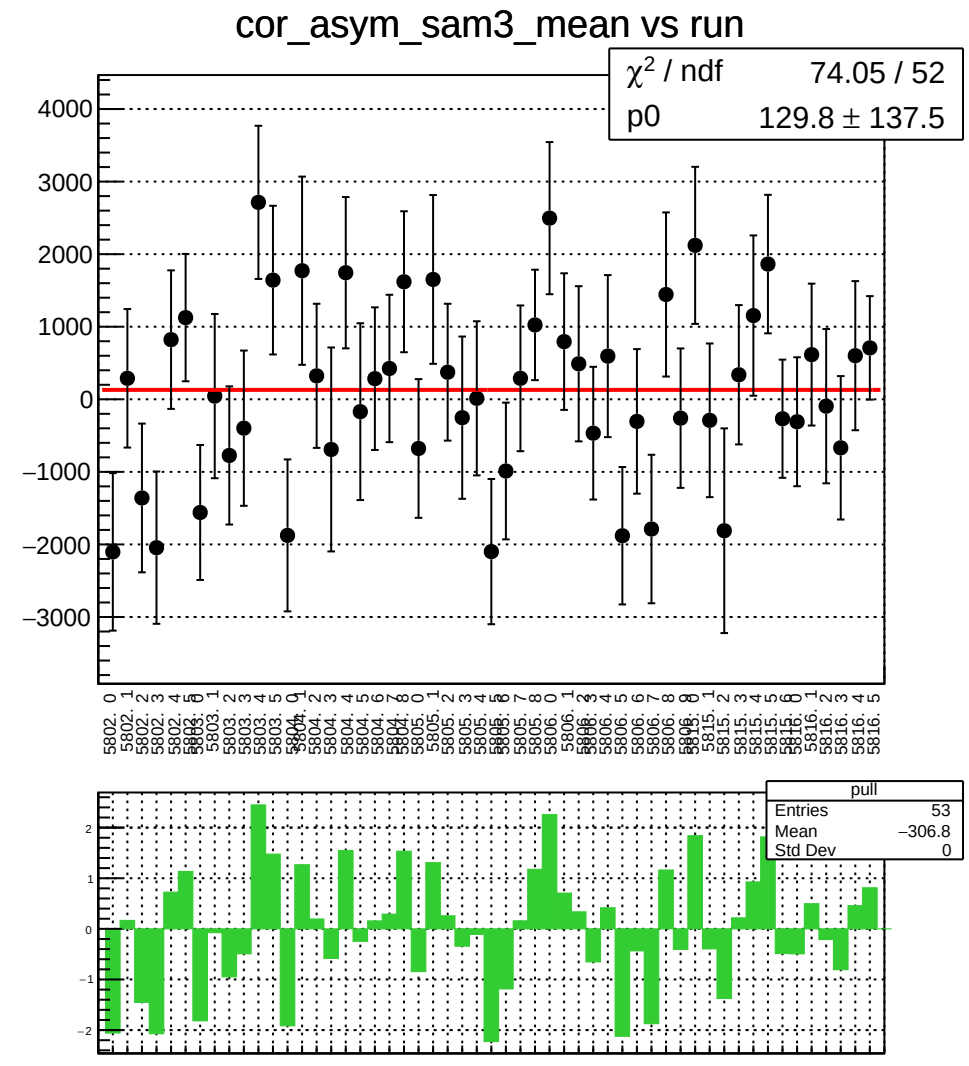

pull1D
Entries 53
Mean −0.006457
Std Dev 1.182

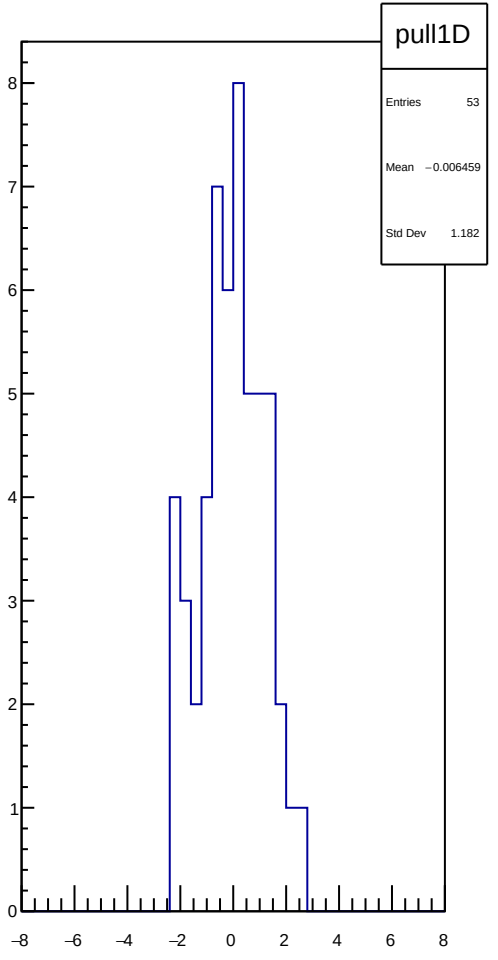

reg_asym_sam3_rms vs run
χ² / ndf 7924 / 52
p0 96.91 ± 0.09722
130
120
110
100
90
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

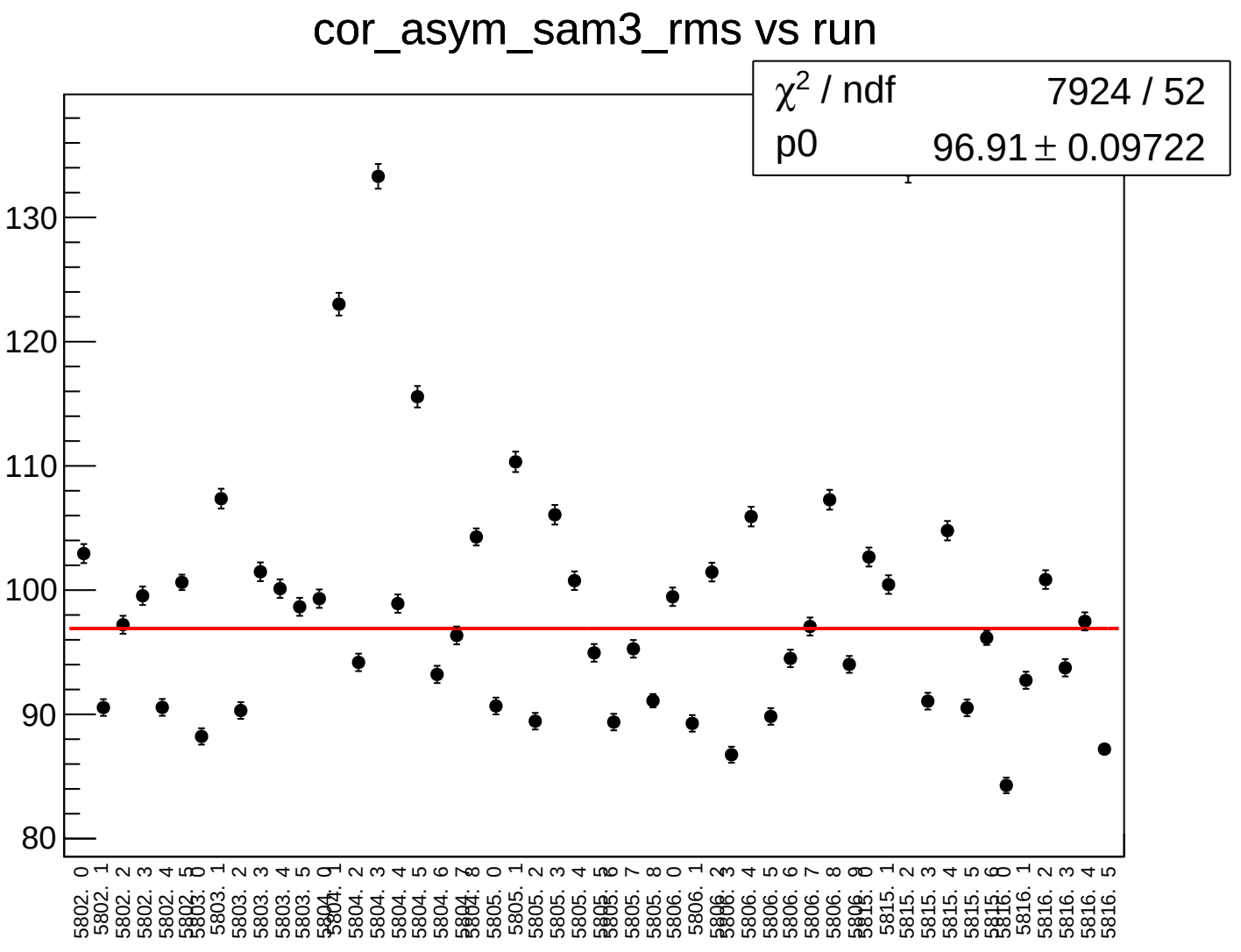

asym_sam3_reg_correction_mean vs run
χ² / ndf 67.9 / 52
p0 784.4 ± 1909
pull
Entries 53
Mean −96.72
Std Dev 0

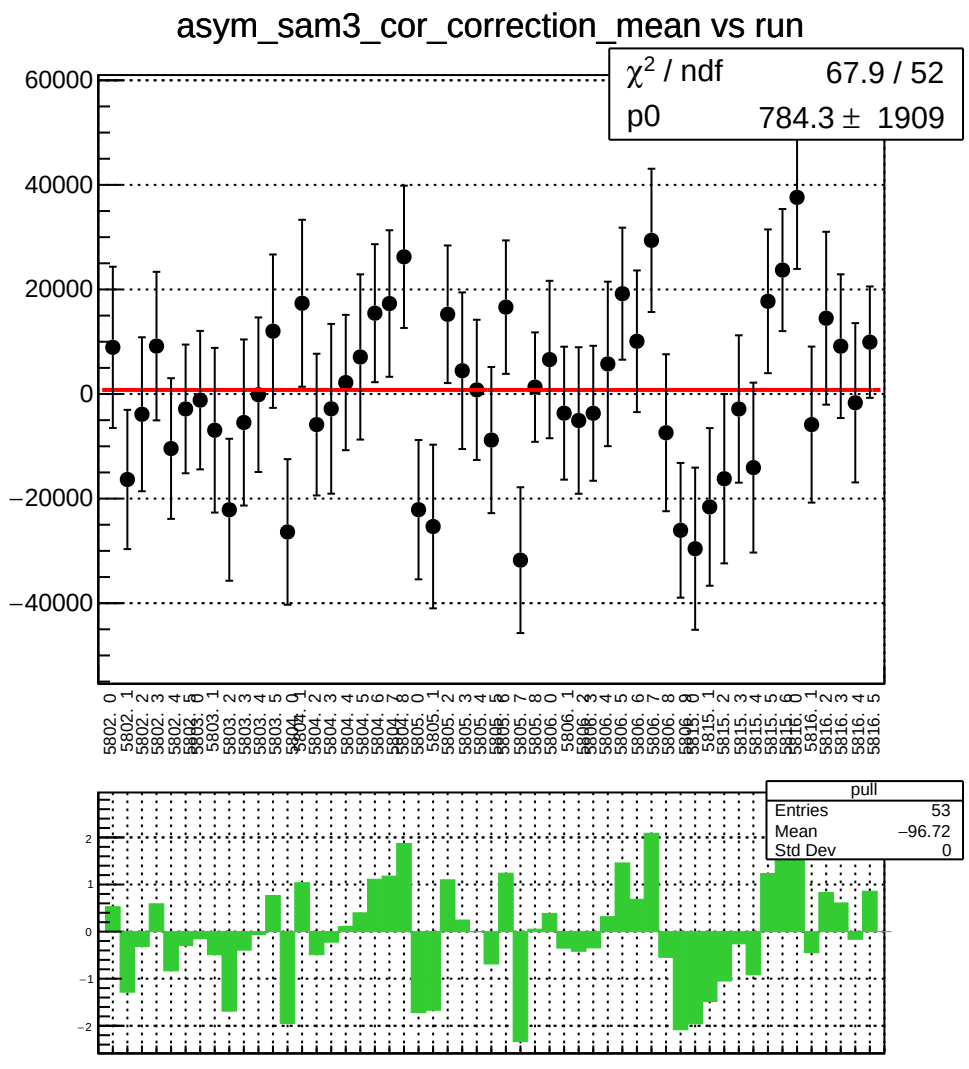

pull1D
Entries 53
Mean −0.02356
Std Dev 1.132

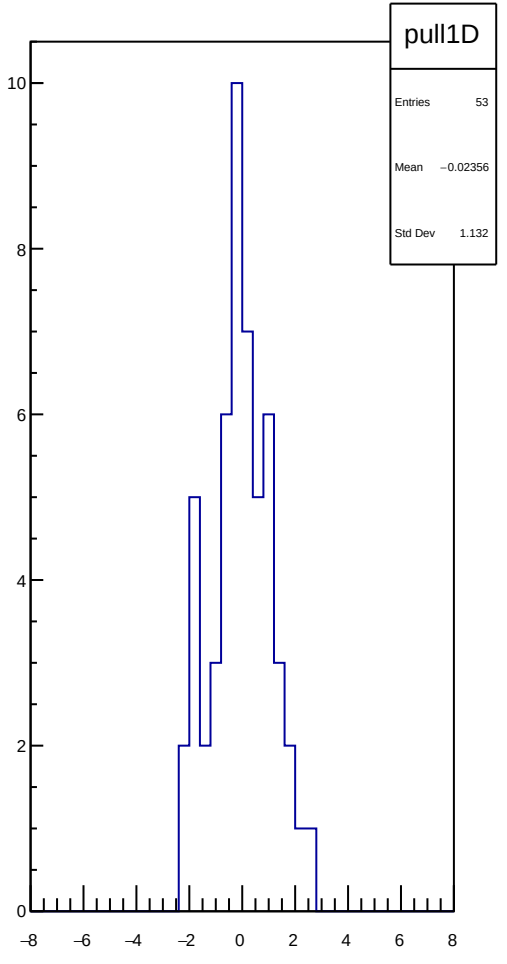

asym_sam3_reg_correction_rms vs run
χ² / ndf 5406 / 52
p0 1347 ± 1.35
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150

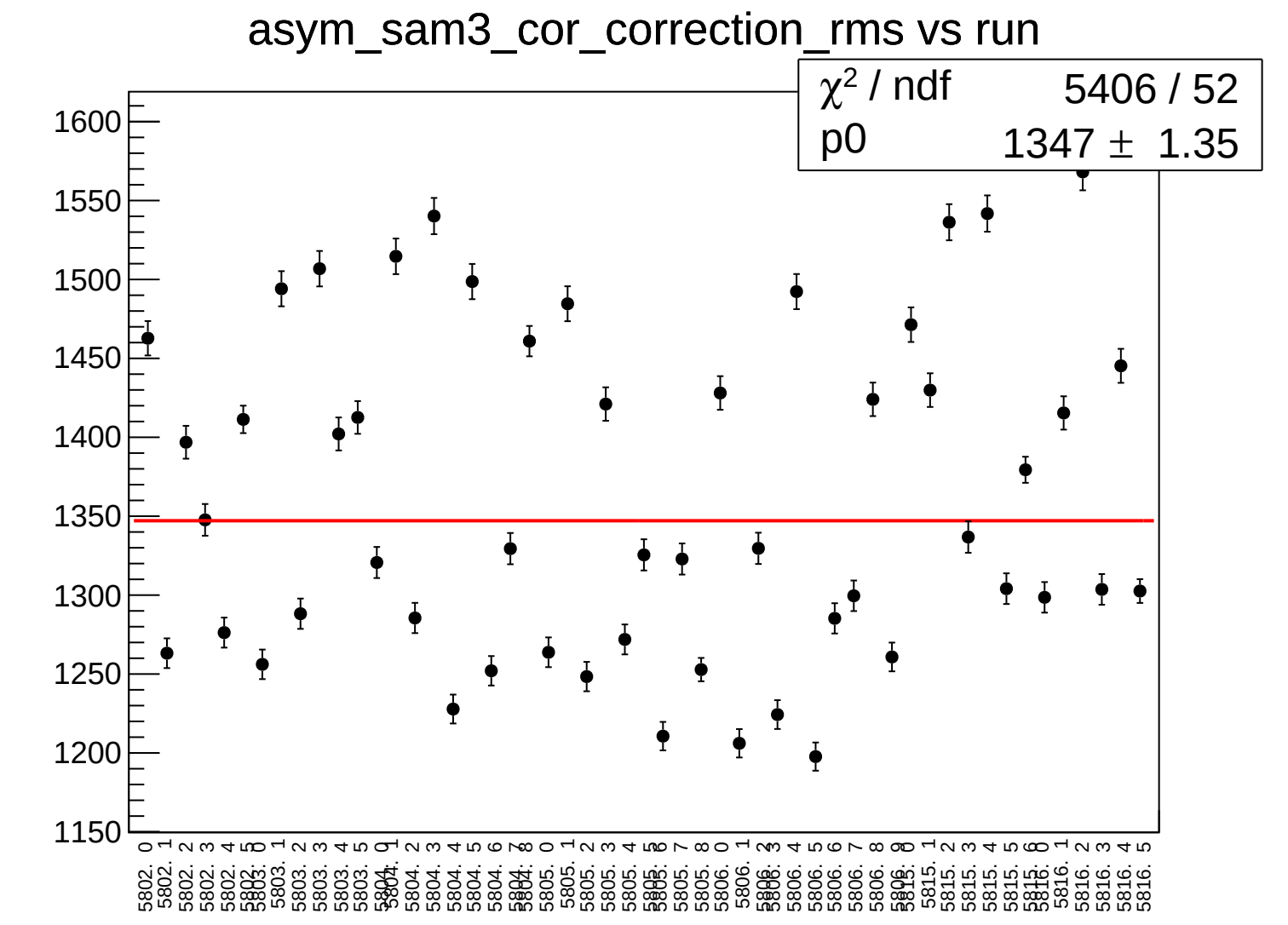

cor_asym_sam3_mean vs run
χ² / ndf 74.05 / 52
p0 129.8 ± 137.5
pull
Entries 53
Mean −306.8
Std Dev 0

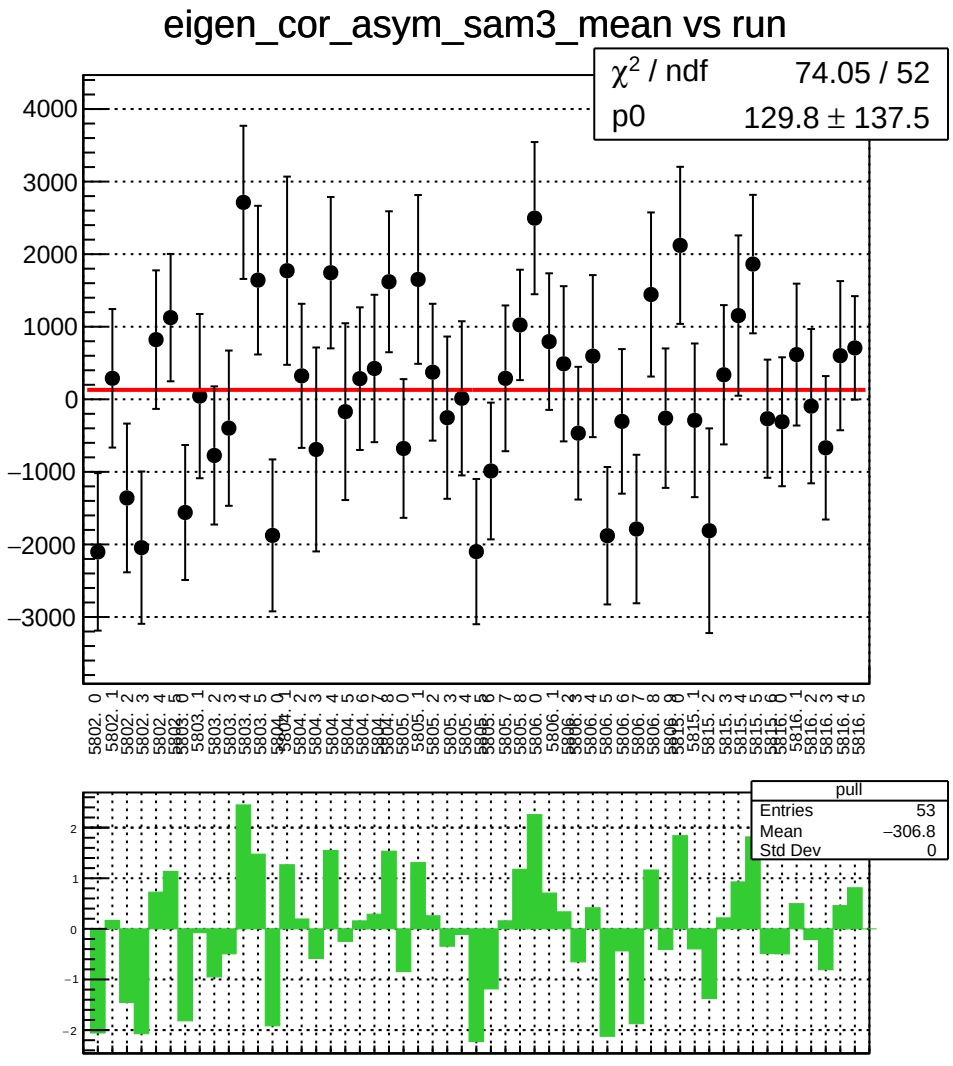

pull1D
Entries 53
Mean −0.006459
Std Dev 1.182

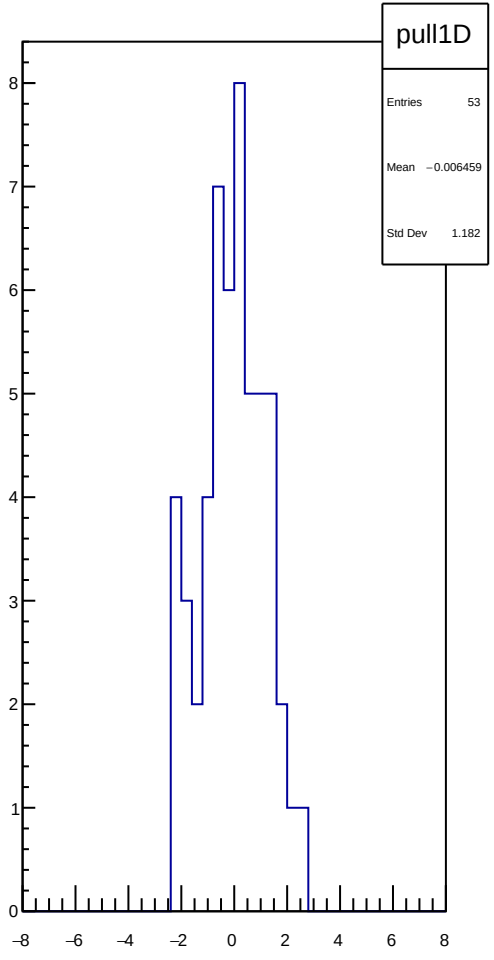

cor_asym_sam3_rms vs run
χ² / ndf 7924 / 52
p0 96.91 ± 0.09722
130
120
110
100
90
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

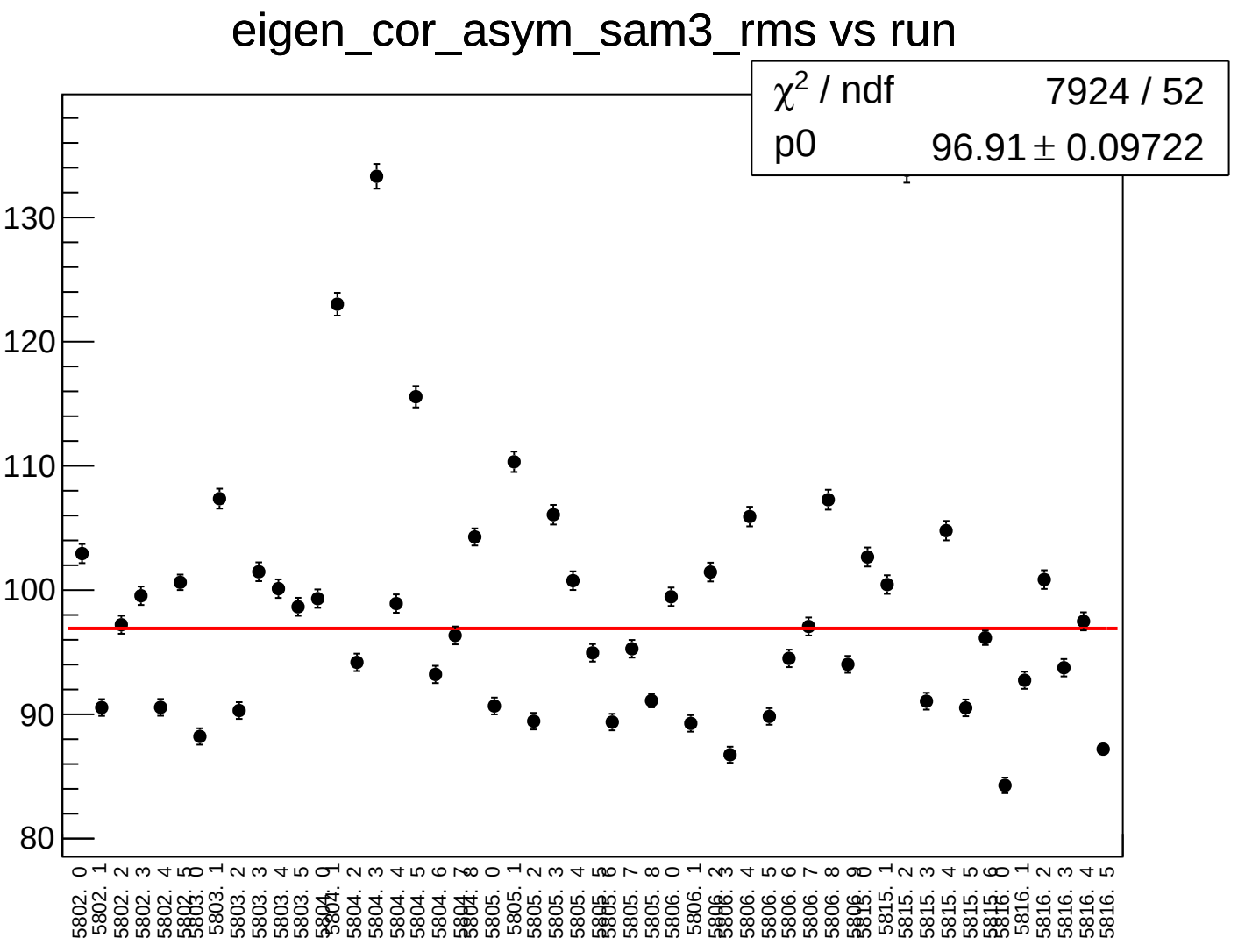

asym_sam3_cor_correction_mean vs run
χ² / ndf 67.9 / 52
p0 784.3 ± 1909
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −96.72
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02356
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_cor_correction_rms vs run
χ² / ndf 5406 / 52
p0 1347 ± 1.35
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150


eigen_cor_asym_sam3_mean vs run
χ² / ndf 74.05 / 52
p0 129.8 ± 137.5
pull
Entries 53
Mean −306.8
Std Dev 0


pull1D
Entries 53
Mean −0.006459
Std Dev 1.182


eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 7924 / 52
p0 96.91 ± 0.09722
130
120
110
100
90
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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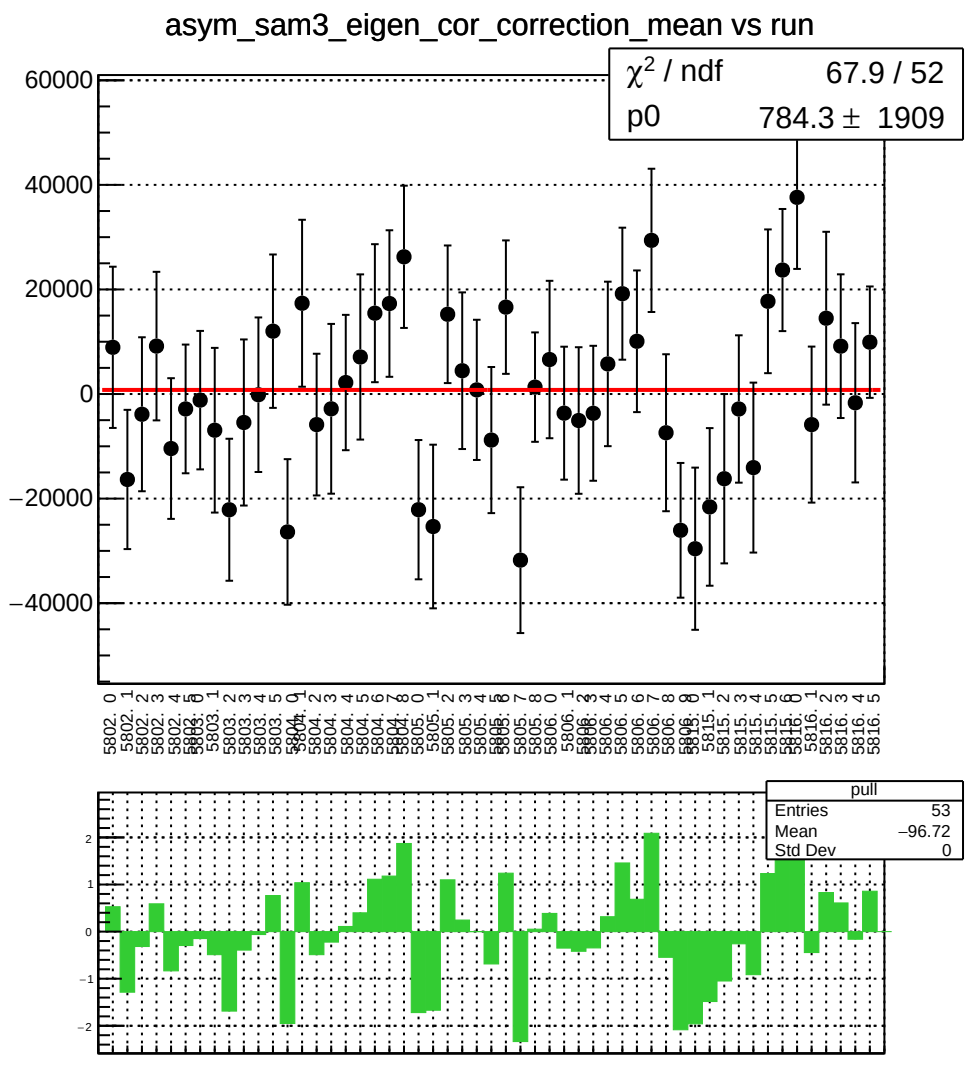
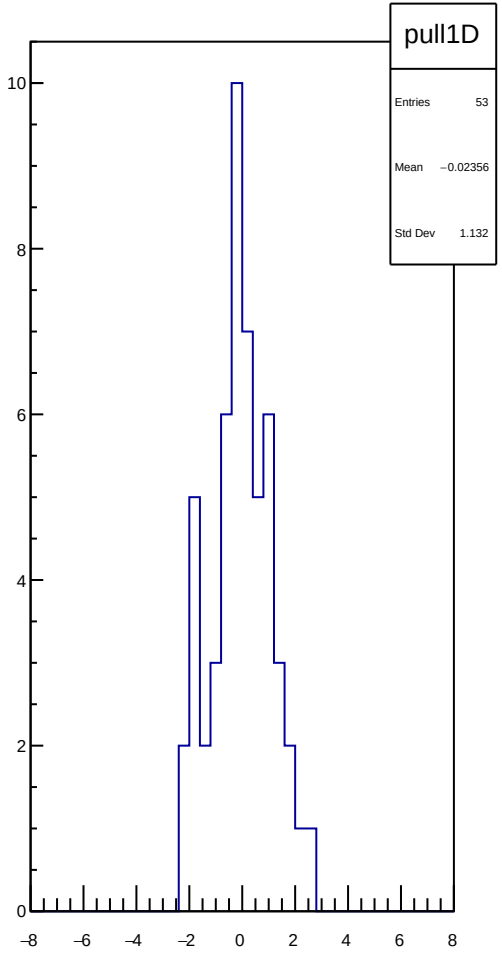
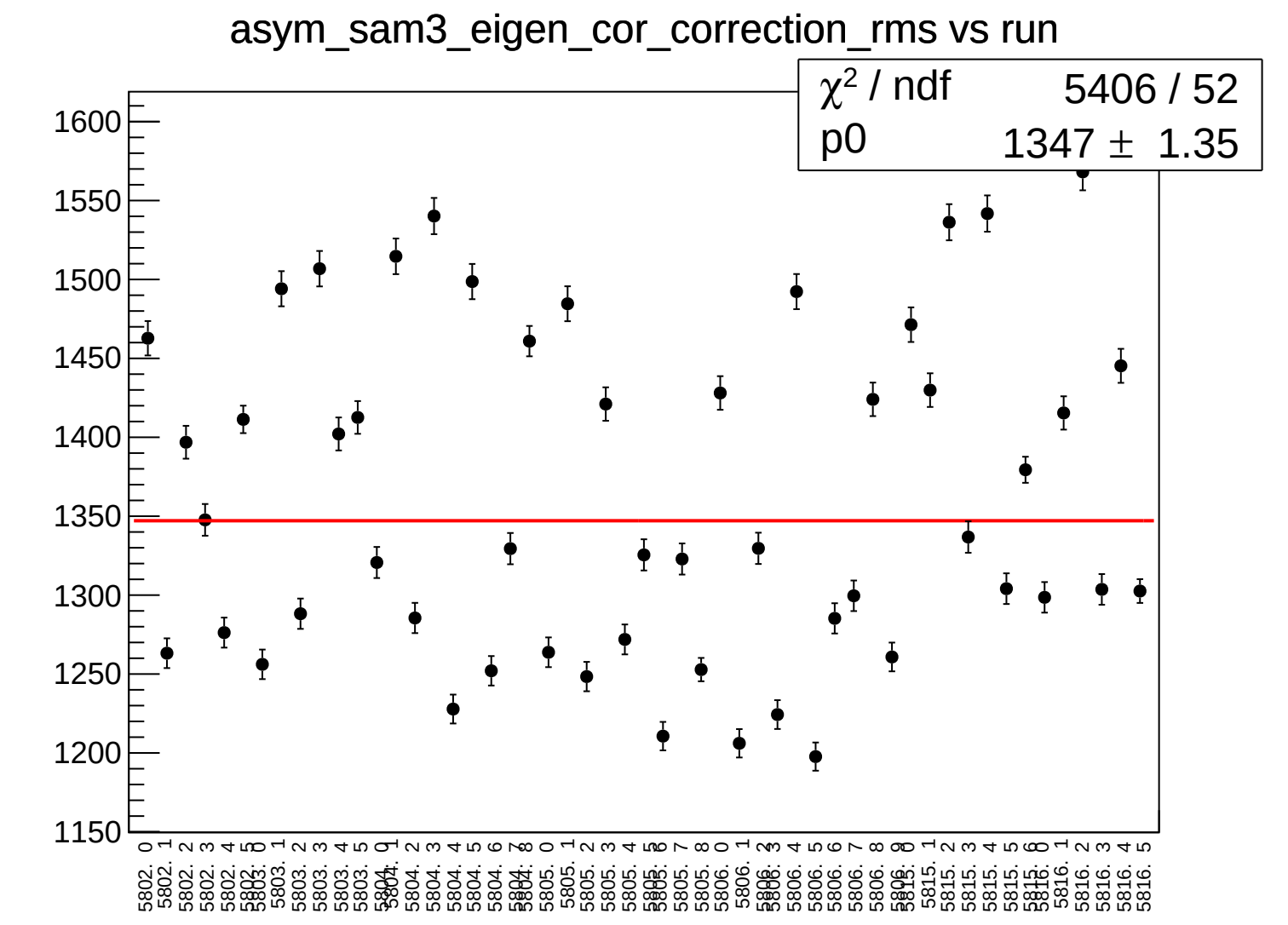
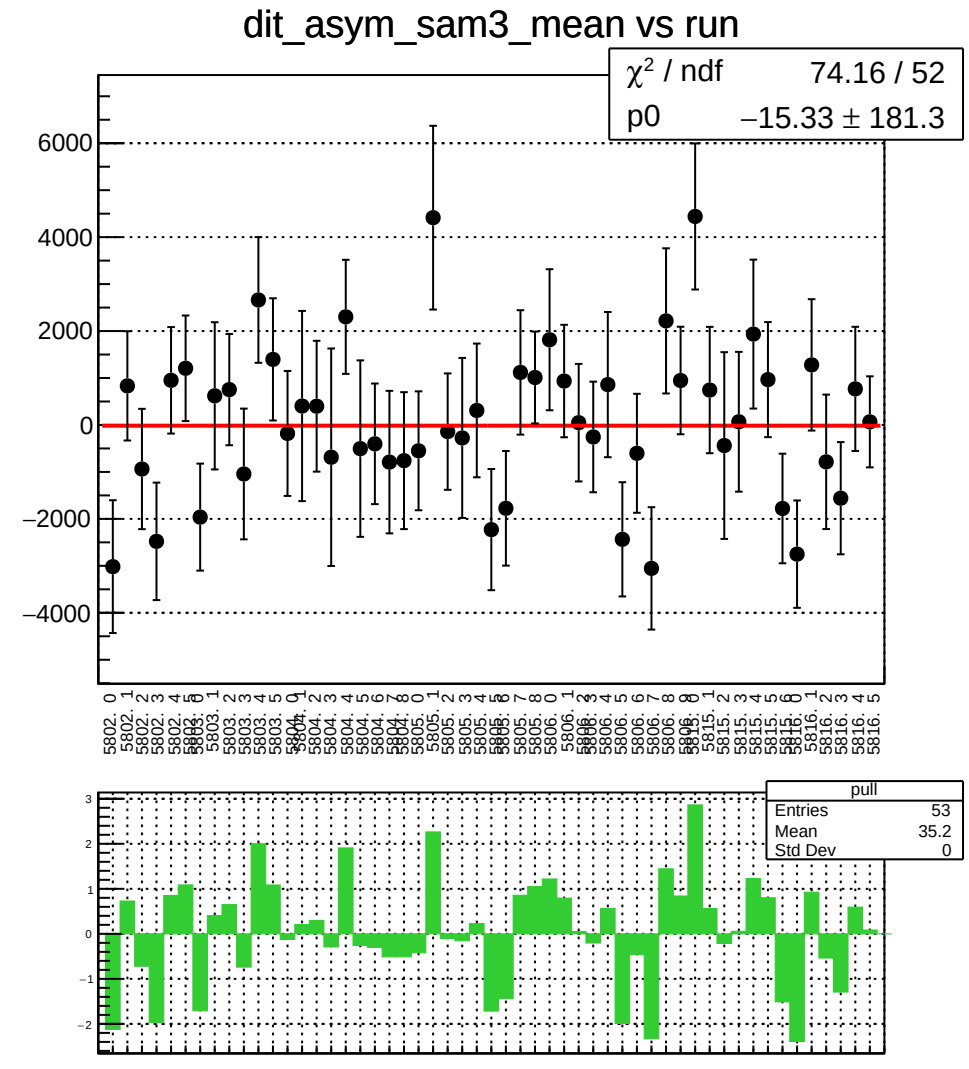
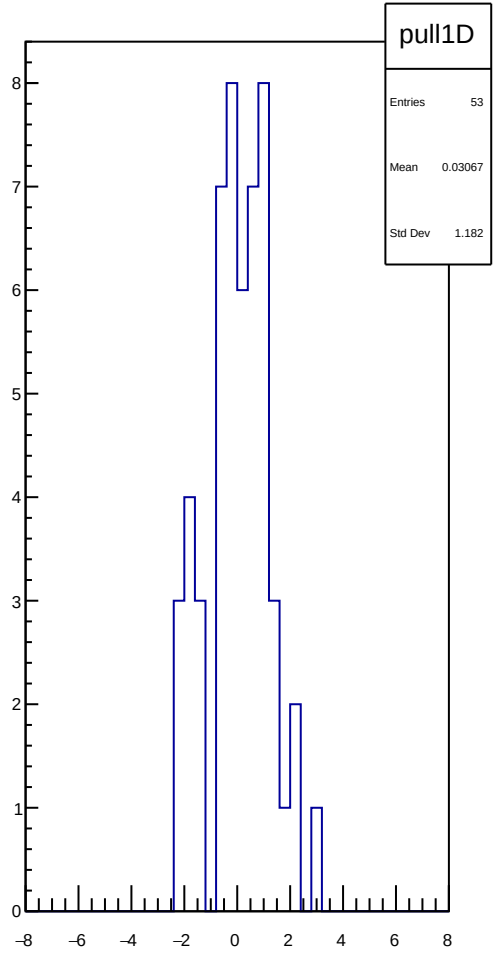
5816. 4
5816. 5

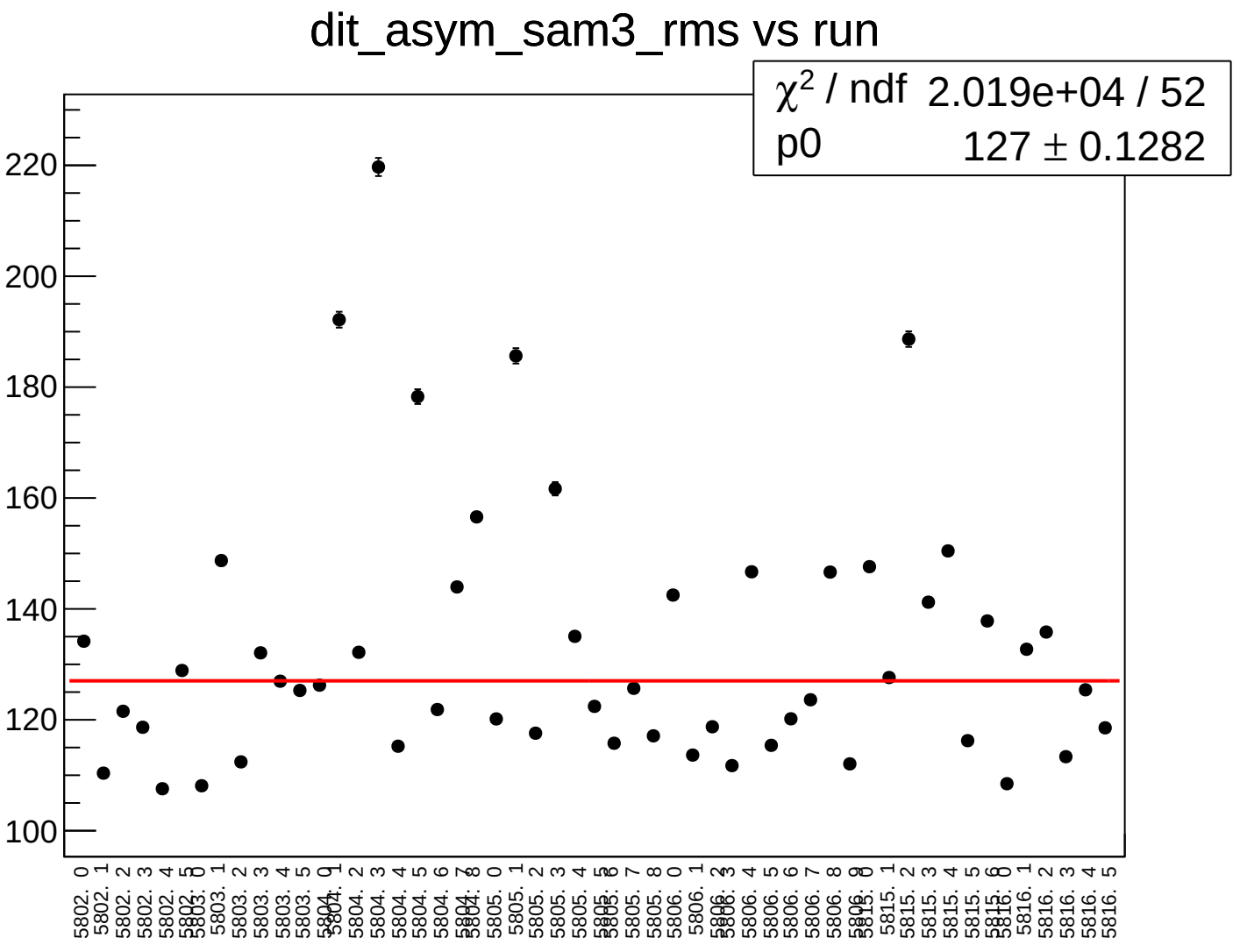

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 67.9 / 52
p0 784.3 ± 1909
pull
Entries 53
Mean −96.72
Std Dev 0

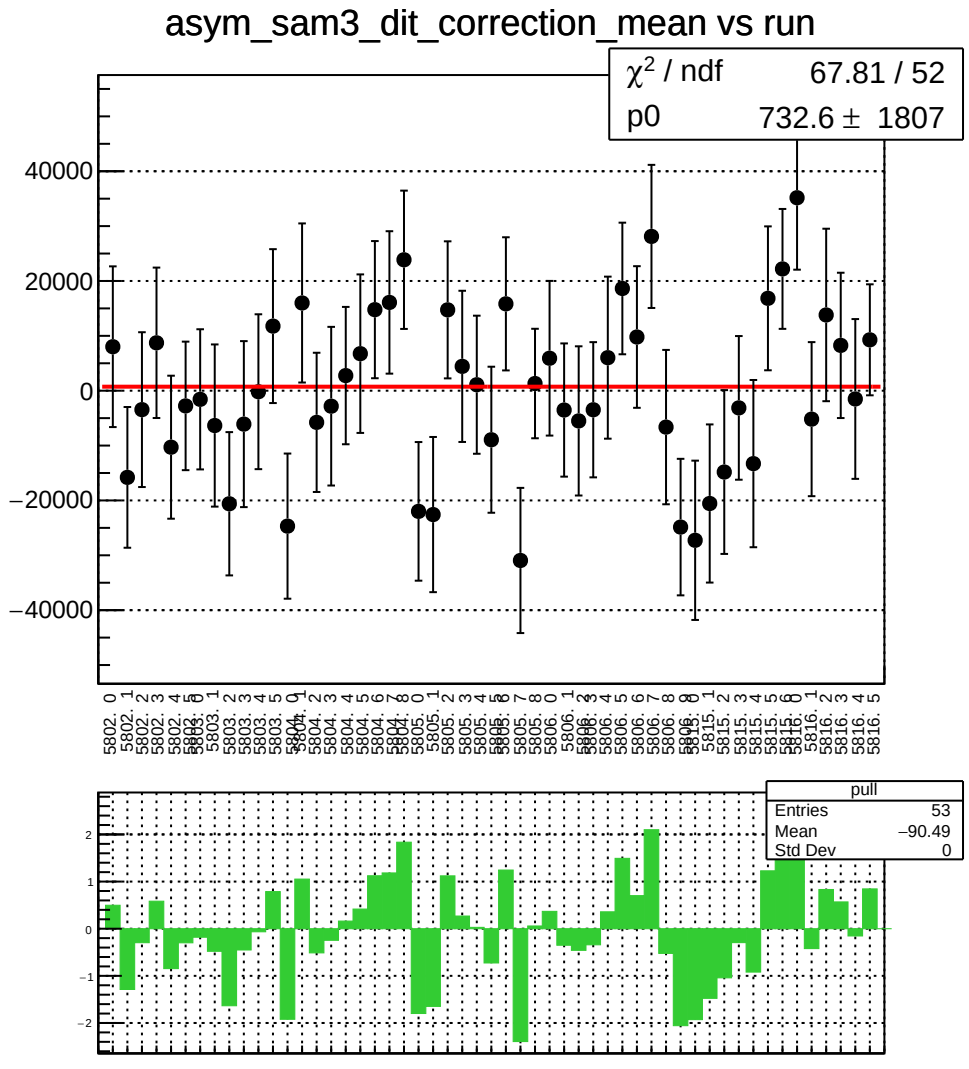

pull1D
Entries 53
Mean −0.02356
Std Dev 1.132

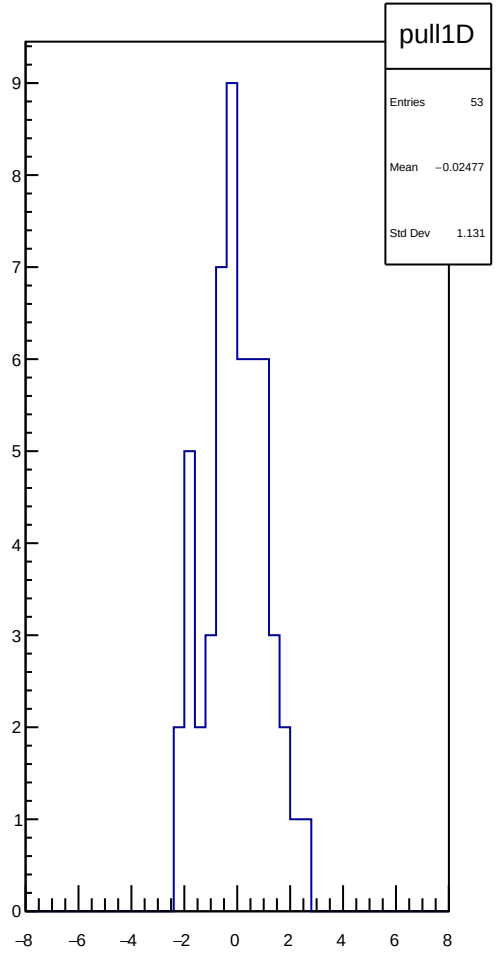

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 5406 / 52
p0 1347 ± 1.35
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150

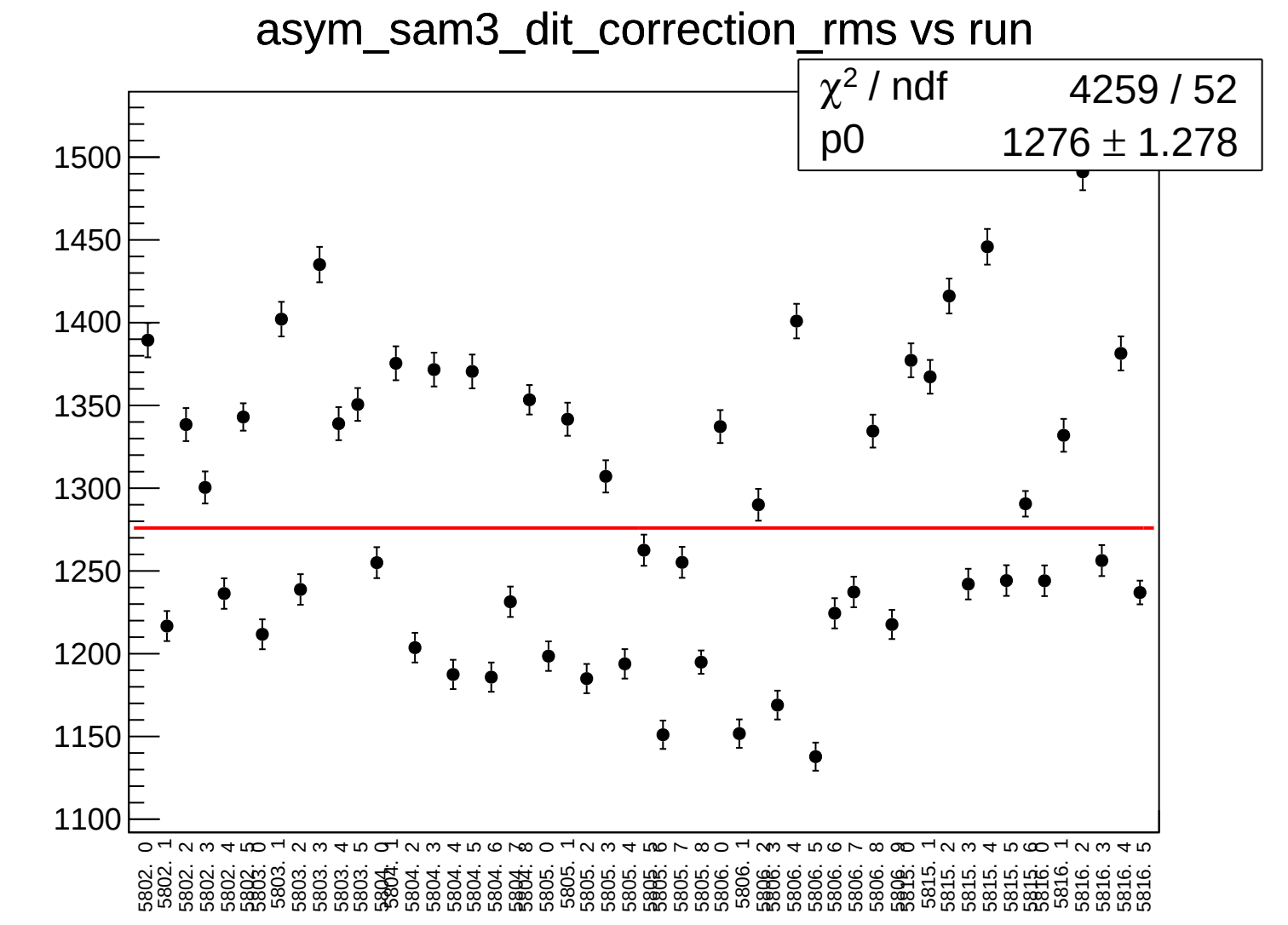

dit_asym_sam3_mean vs run
χ² / ndf 74.16 / 52
p0 −15.33 ± 181.3
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 35.2
Std Dev 0


pull1D
Entries 53
Mean 0.03067
Std Dev 1.182


dit_asym_sam3_rms vs run
χ² / ndf 2.019e+04 / 52
p0 127 ± 0.1282
220
200
180
160
140
120
100


asym_sam3_dit_correction_mean vs run
χ² / ndf 67.81 / 52
p0 732.6 ± 1807
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −90.49
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02477
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_dit_correction_rms vs run
χ² / ndf 4259 / 52
p0 1276 ± 1.278
1500
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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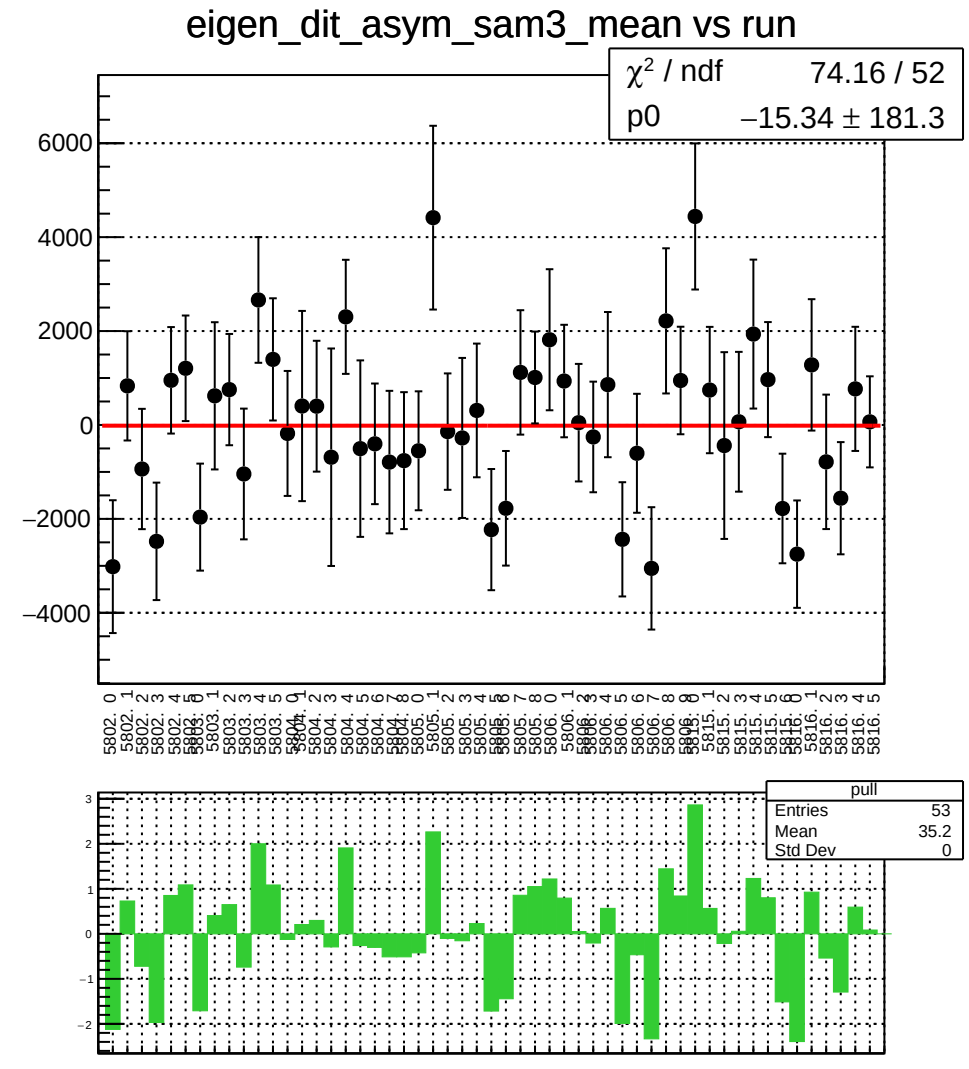
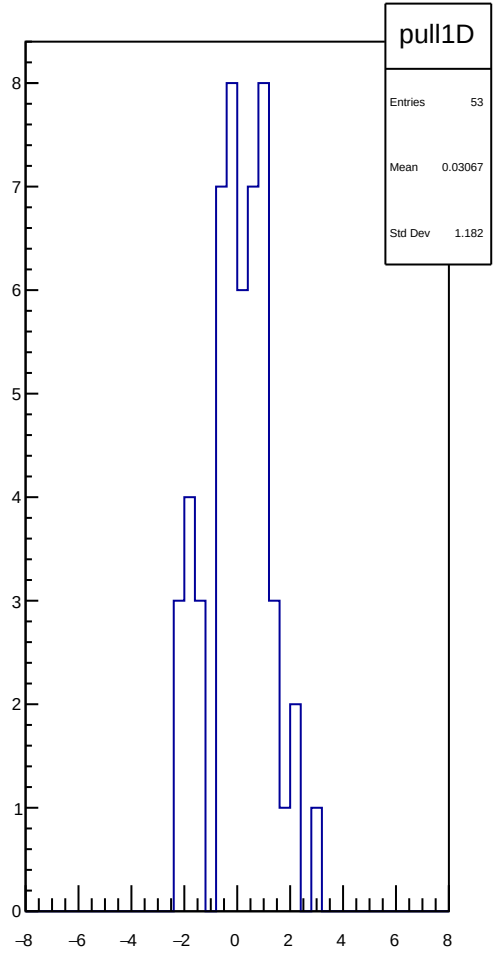
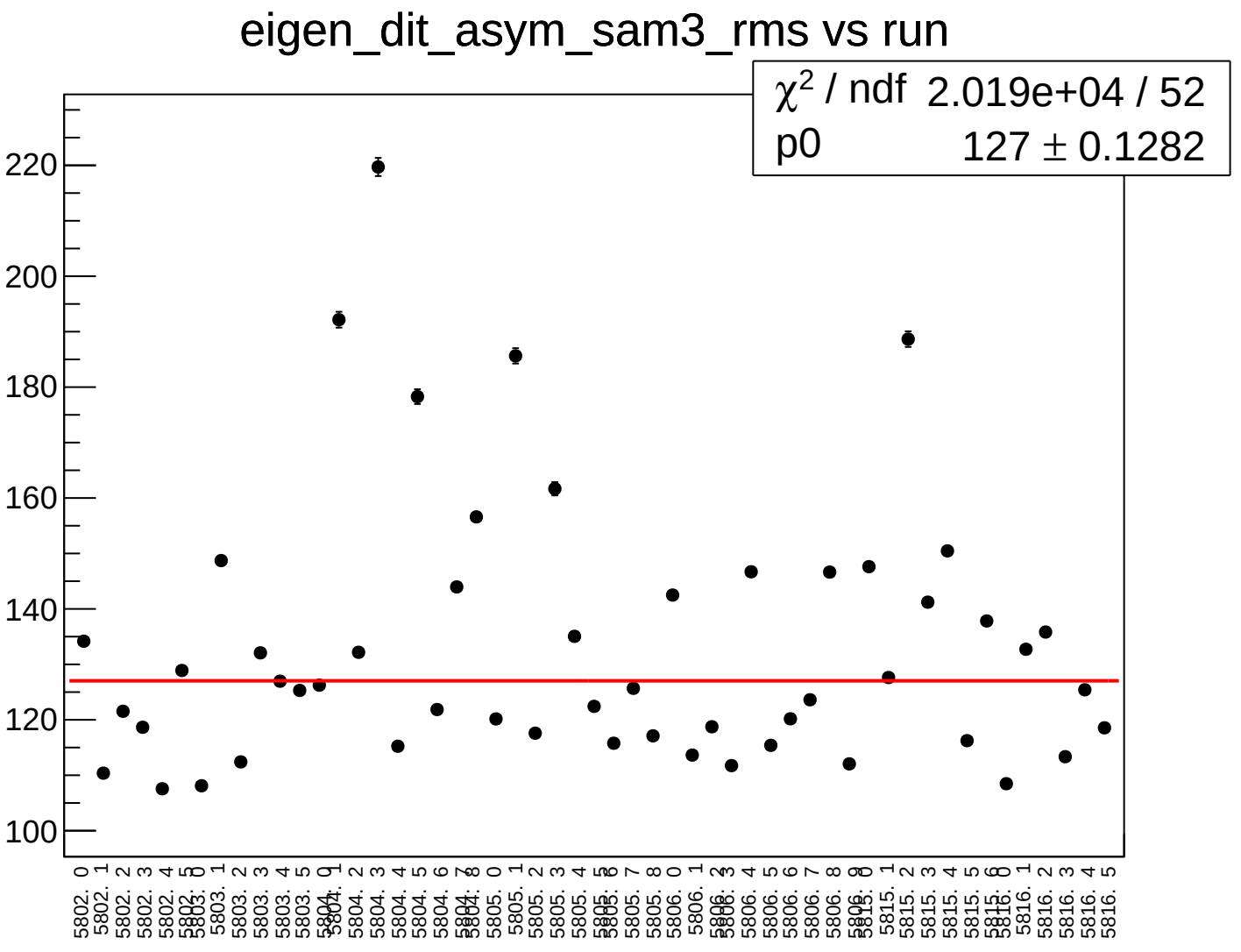
5816. 4
5816. 5


eigen_dit_asym_sam3_mean vs run
χ² / ndf 74.16 / 52
p0 −15.34 ± 181.3
pull
Entries 53
Mean 35.2
Std Dev 0


pull1D
Entries 53
Mean 0.03067
Std Dev 1.182


eigen_dit_asym_sam3_rms vs run
χ² / ndf 2.019e+04 / 52
p0 127 ± 0.1282
220
200
180
160
140
120
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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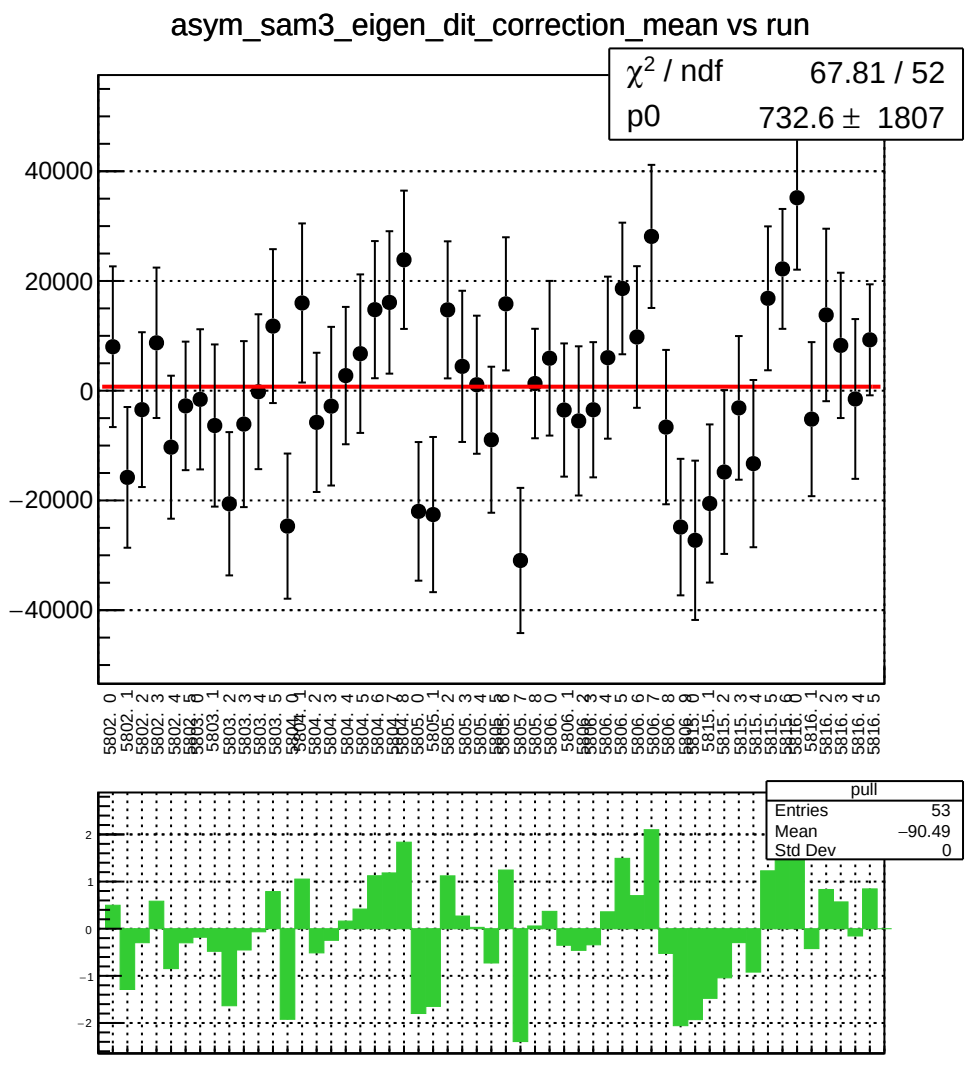
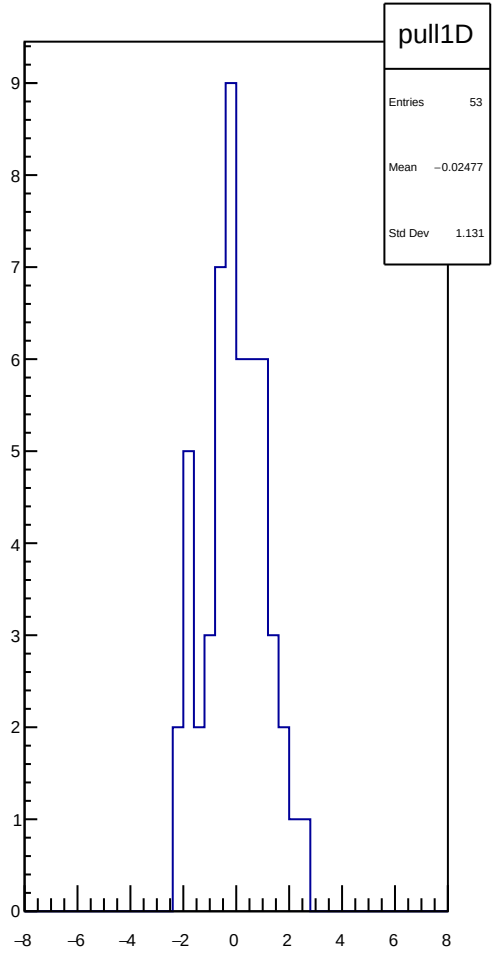
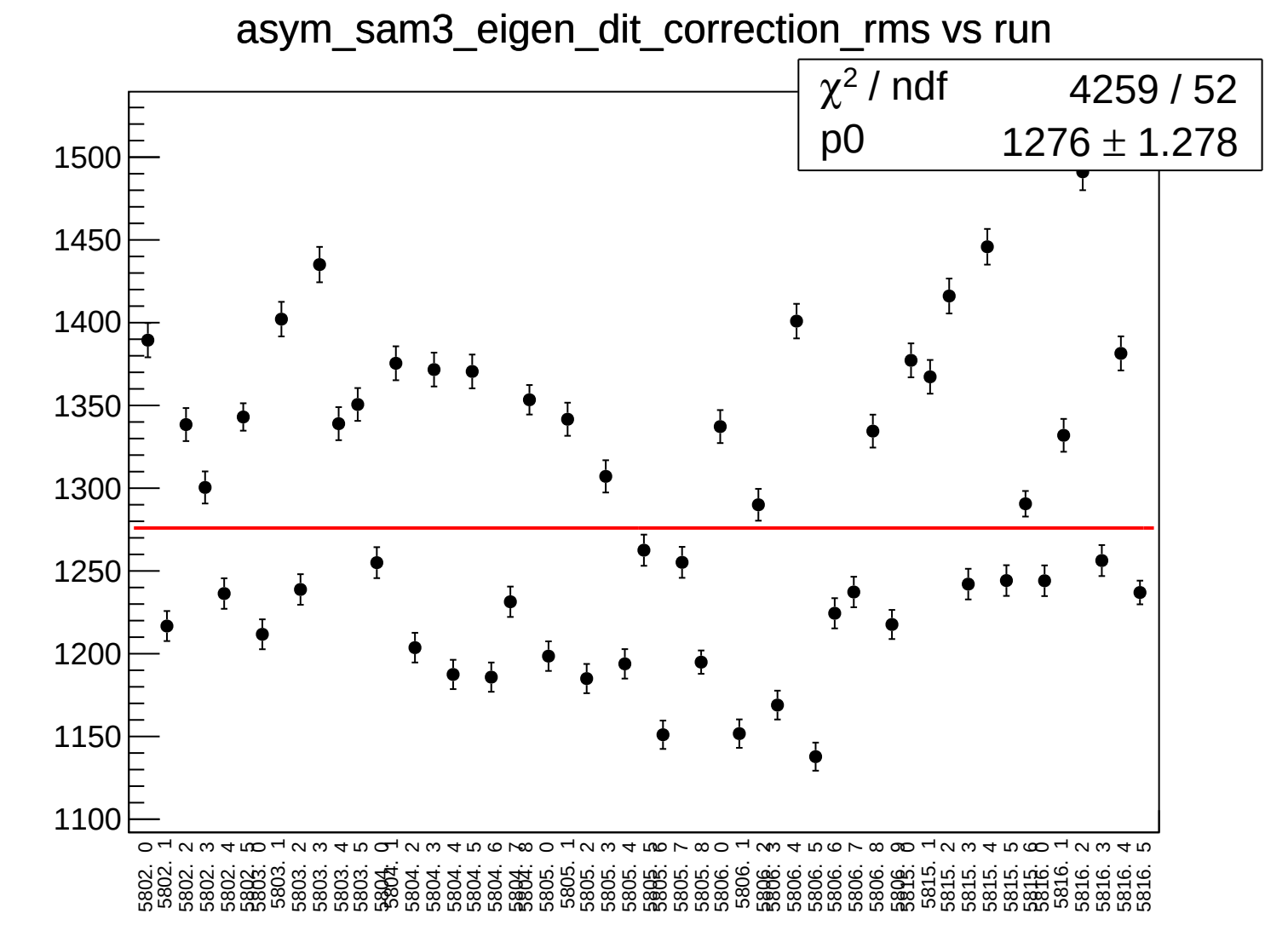
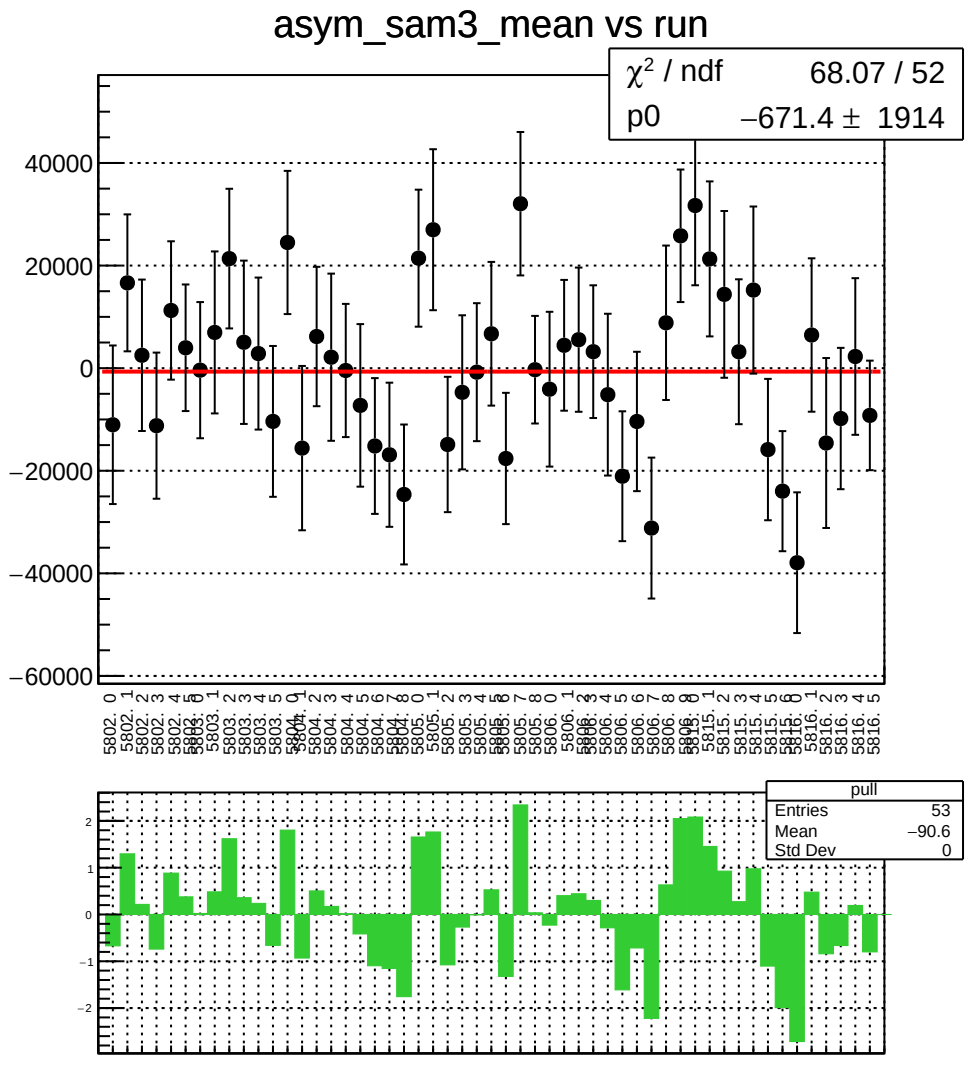
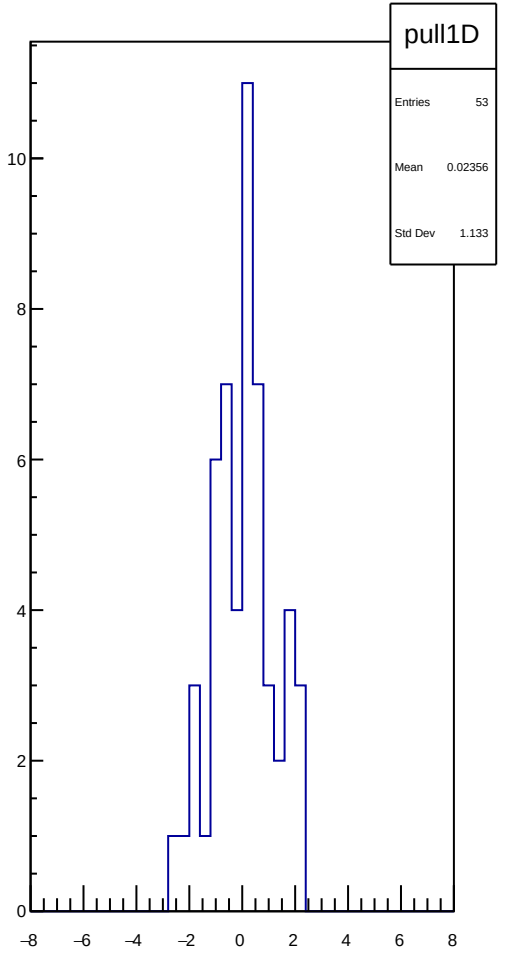
5816. 4
5816. 5

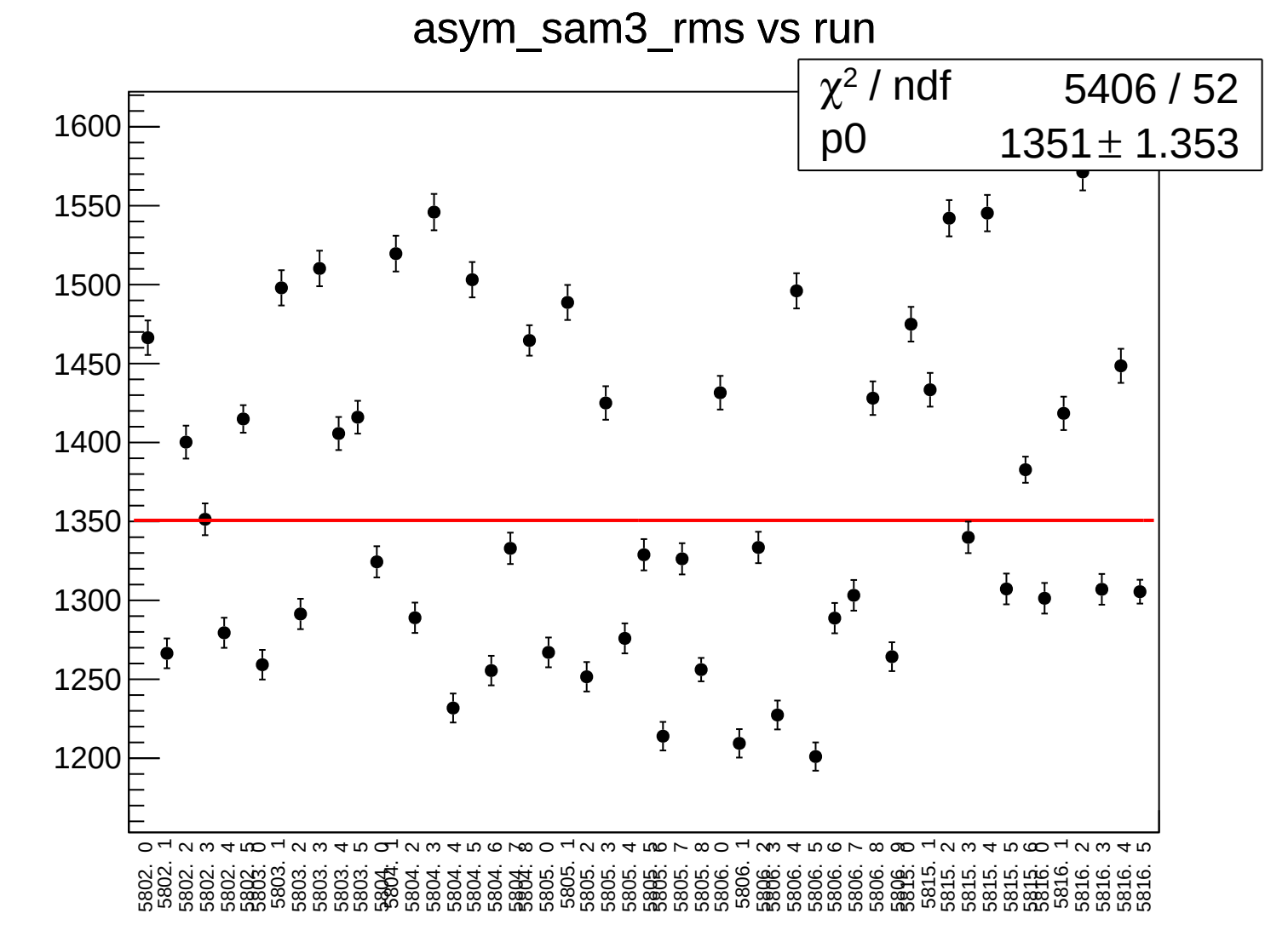

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 67.81 / 52
p0 732.6 ± 1807
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −90.49
Std Dev 0
2
1
0
−1
−2

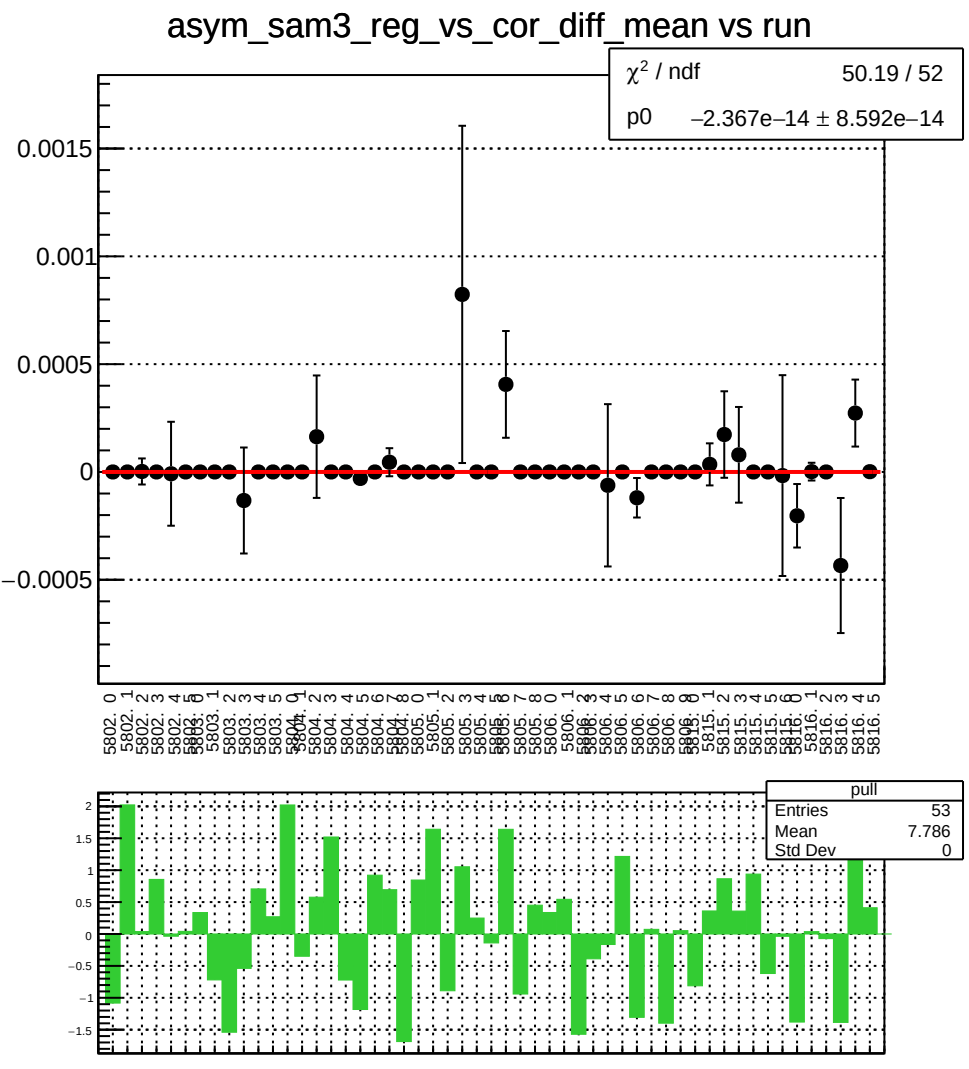

pull1D
Entries 53
Mean −0.02477
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

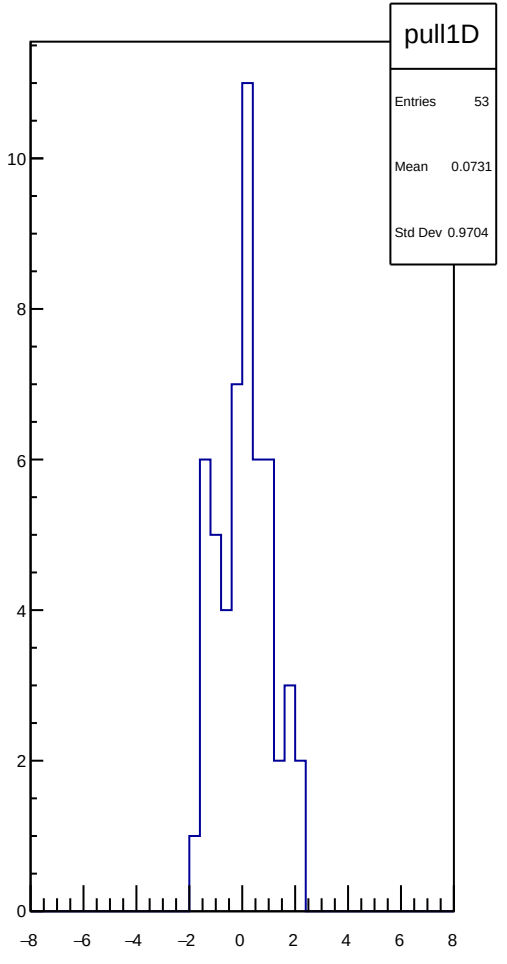

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 4259 / 52
p0 1276 ± 1.278
1500
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

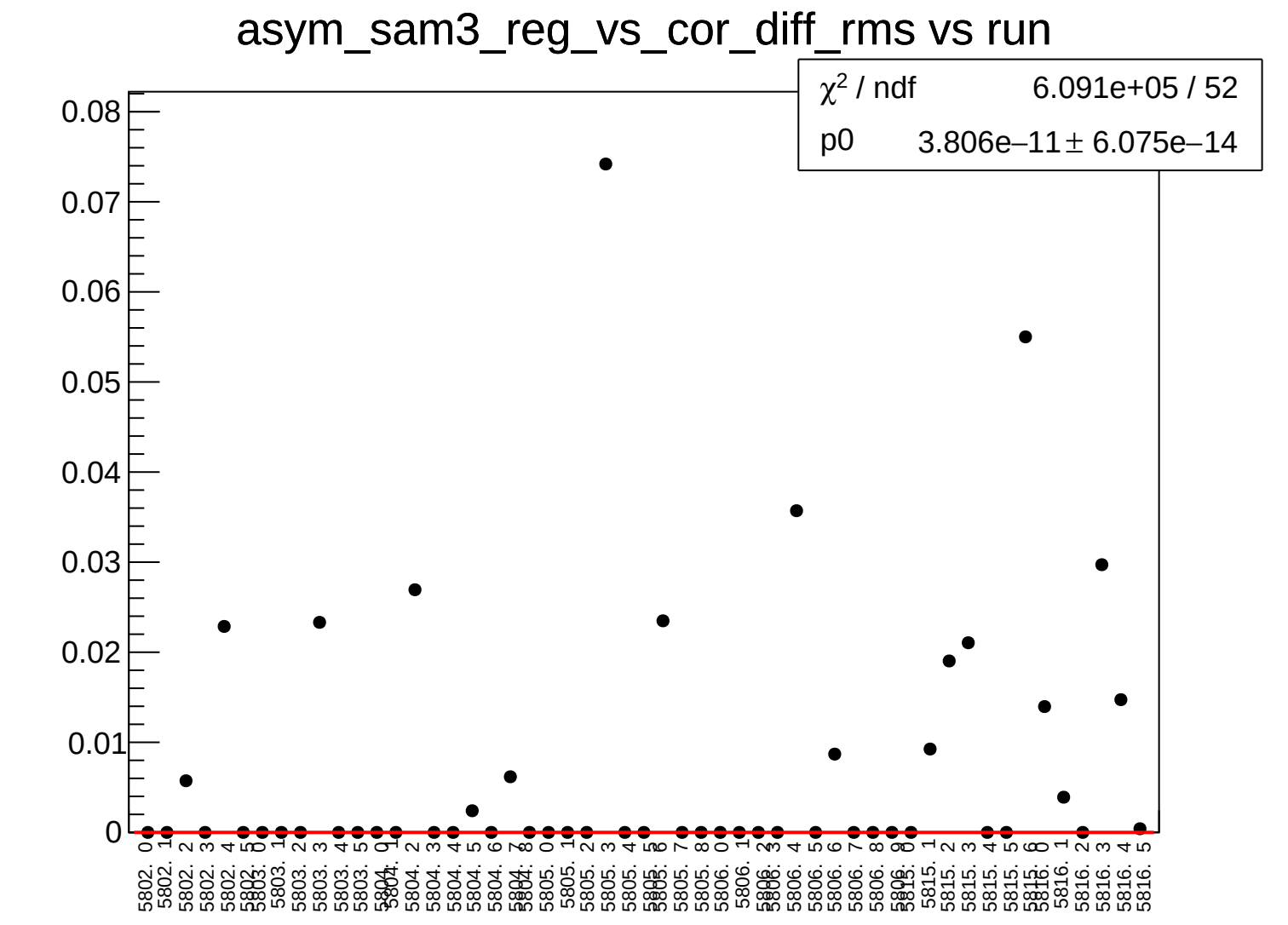

asym_sam3_mean vs run
χ² / ndf 68.07 / 52
p0 −671.4 ± 1914
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −90.6
Std Dev 0
2
1
0
−1
−2

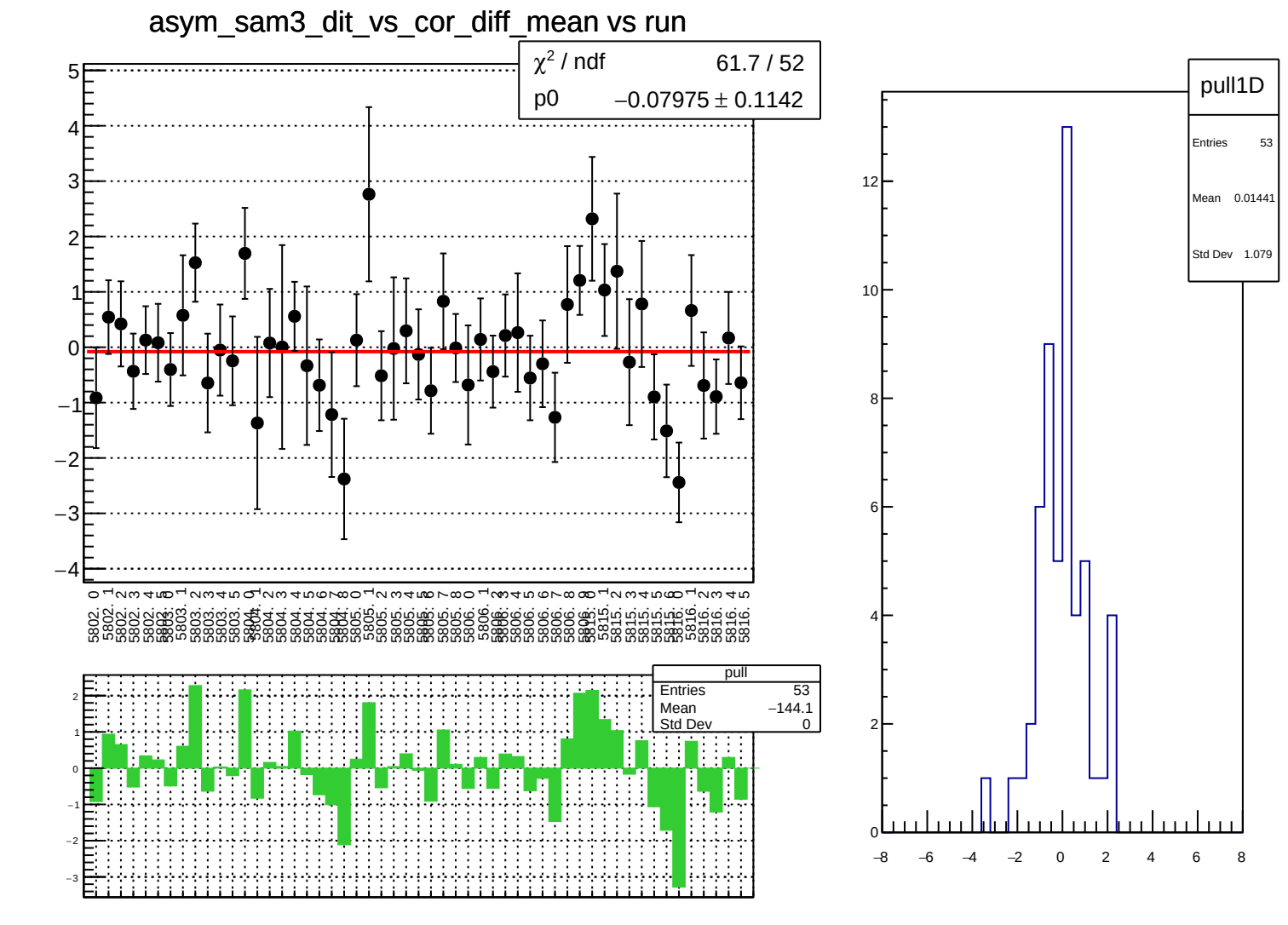

pull1D
Entries 53
Mean 0.02356
Std Dev 1.133
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

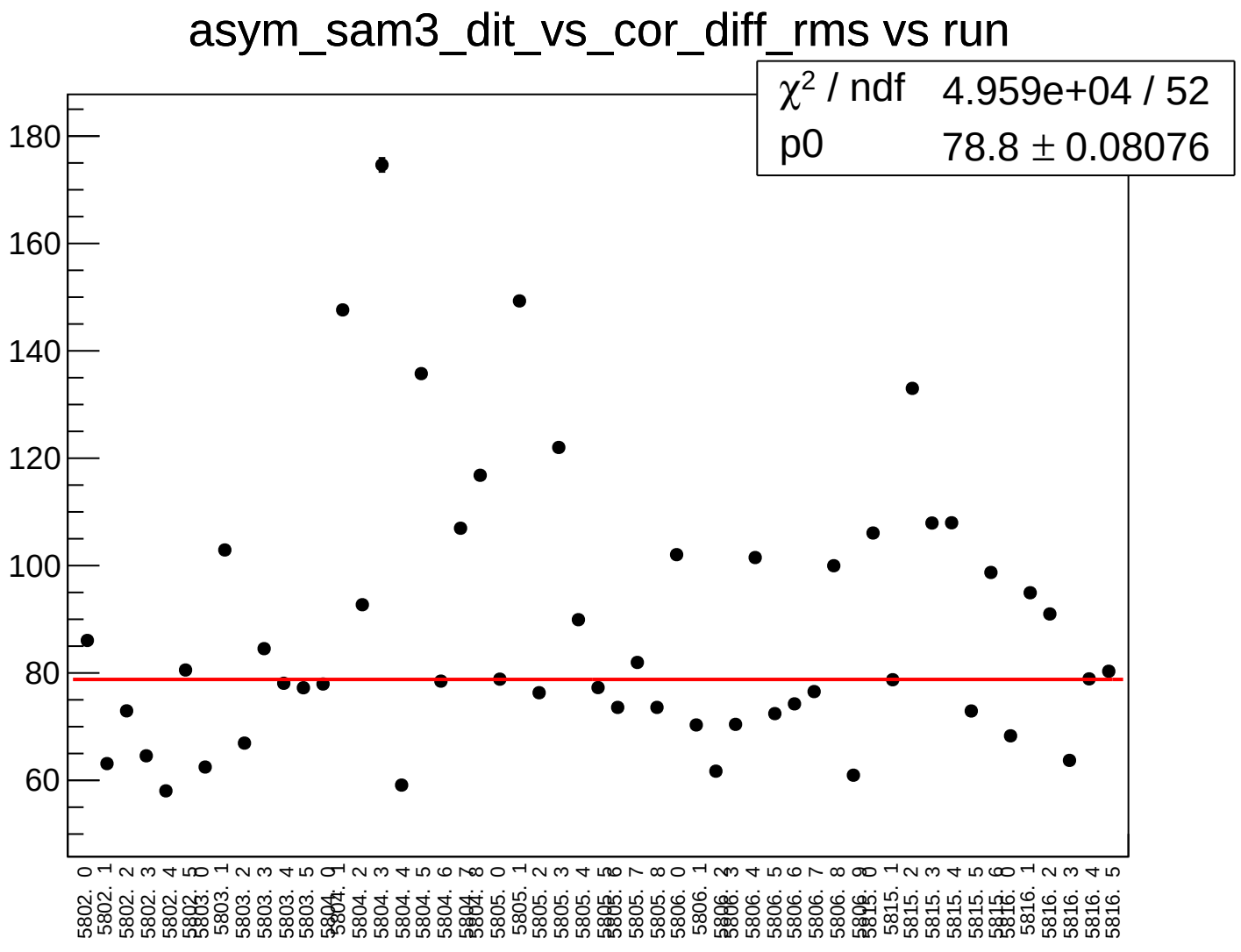

asym_sam3_rms vs run
χ² / ndf 5406 / 52
p0 1351 ± 1.353
1600
1550
1500
1450
1400
1350
1300
1250
1200

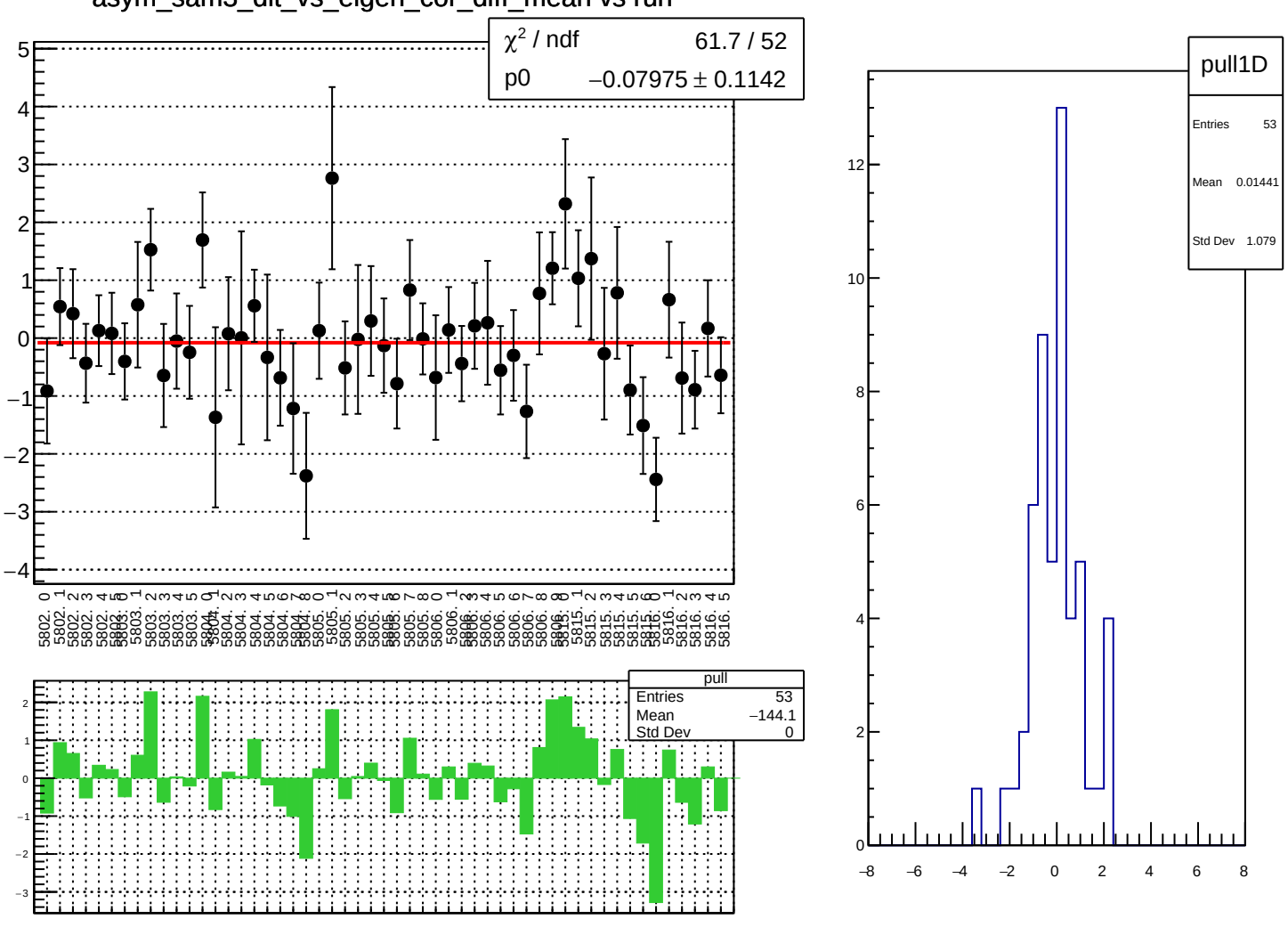

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 50.19 / 52
p0 −2.367e−14 ± 8.592e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 53
Mean 7.786
Std Dev 0

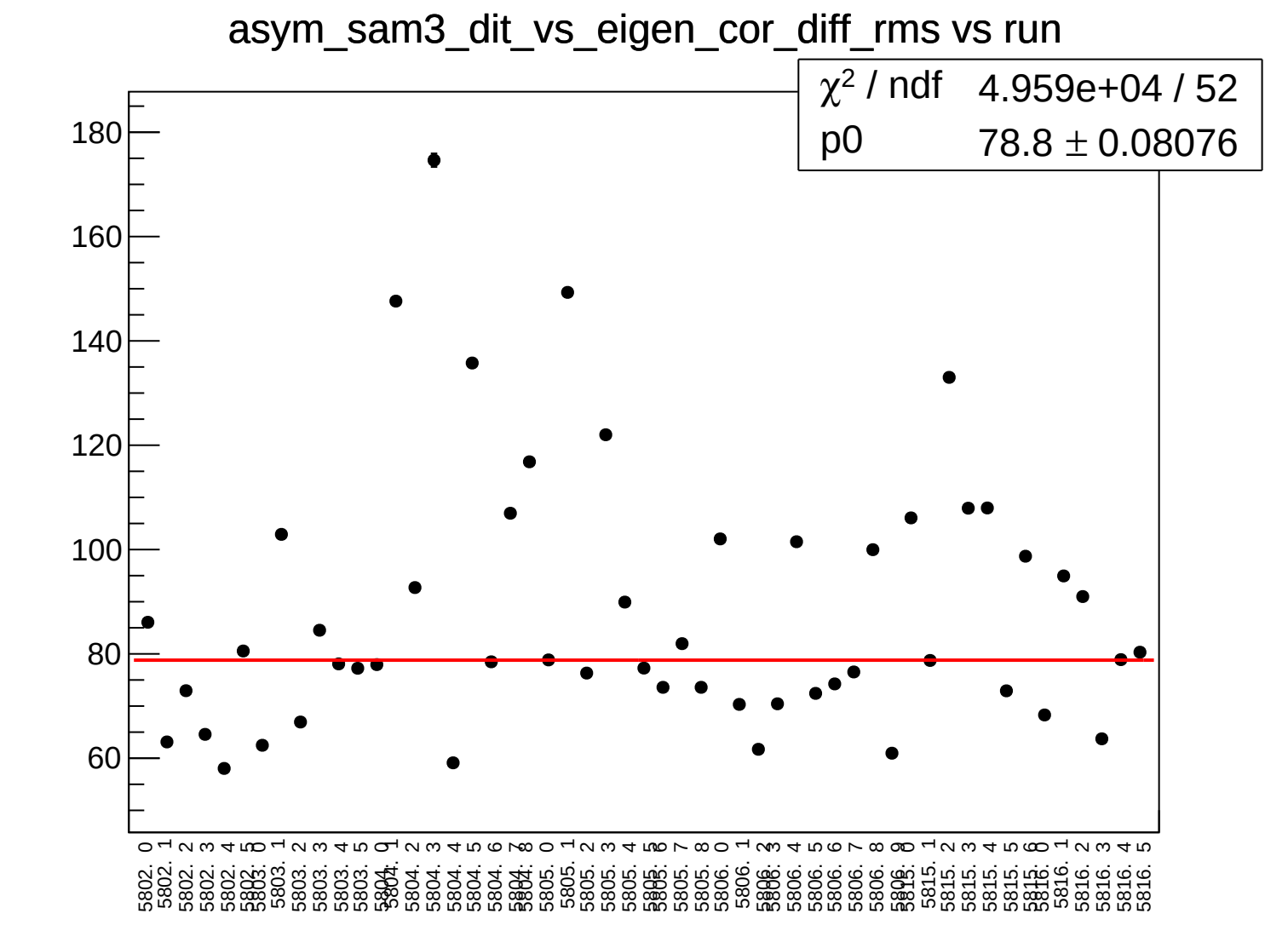

pull1D
Entries 53
Mean 0.0731
Std Dev 0.9704

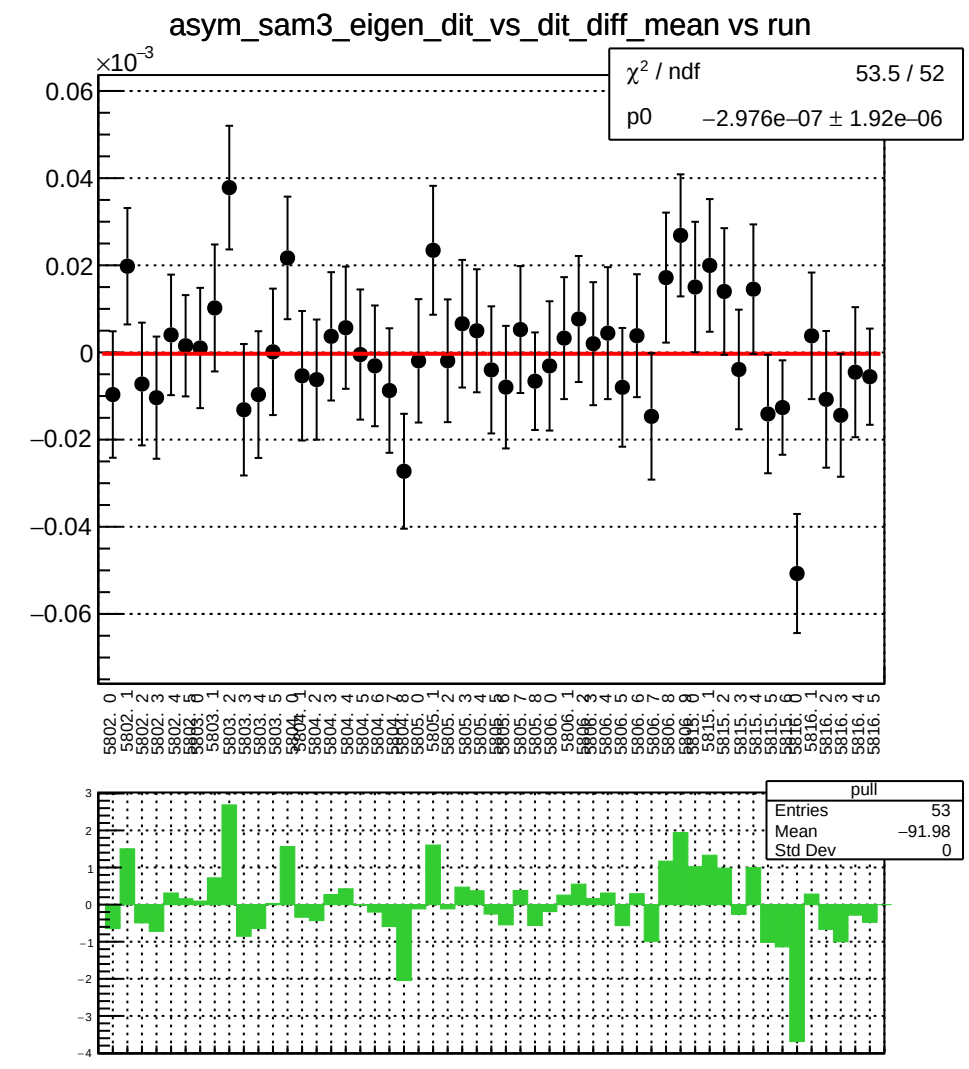

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 6.091e+05 / 52
p0 3.806e−11 ± 6.075e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

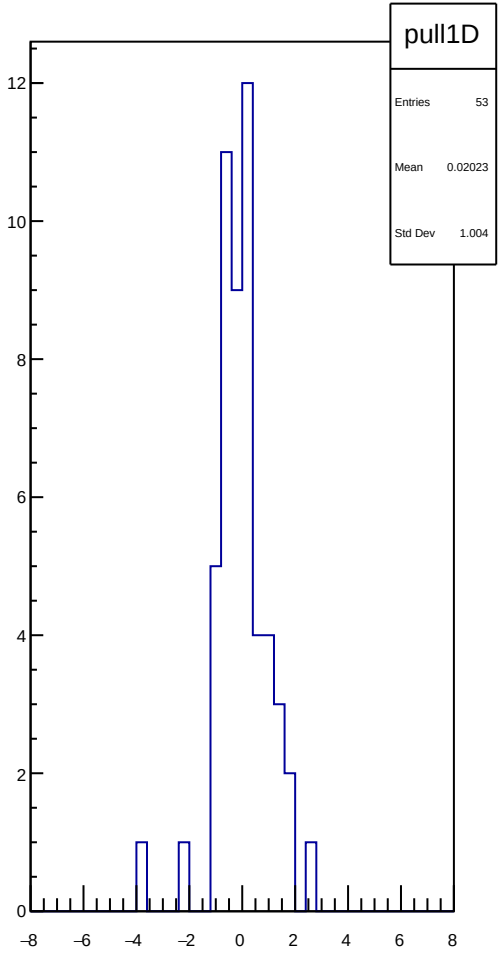

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 61.7 / 52
p0 −0.07975 ± 0.1142
pull
Entries 53
Mean −144.1
Std Dev 0
pull1D
Entries 53
Mean 0.01441
Std Dev 1.079

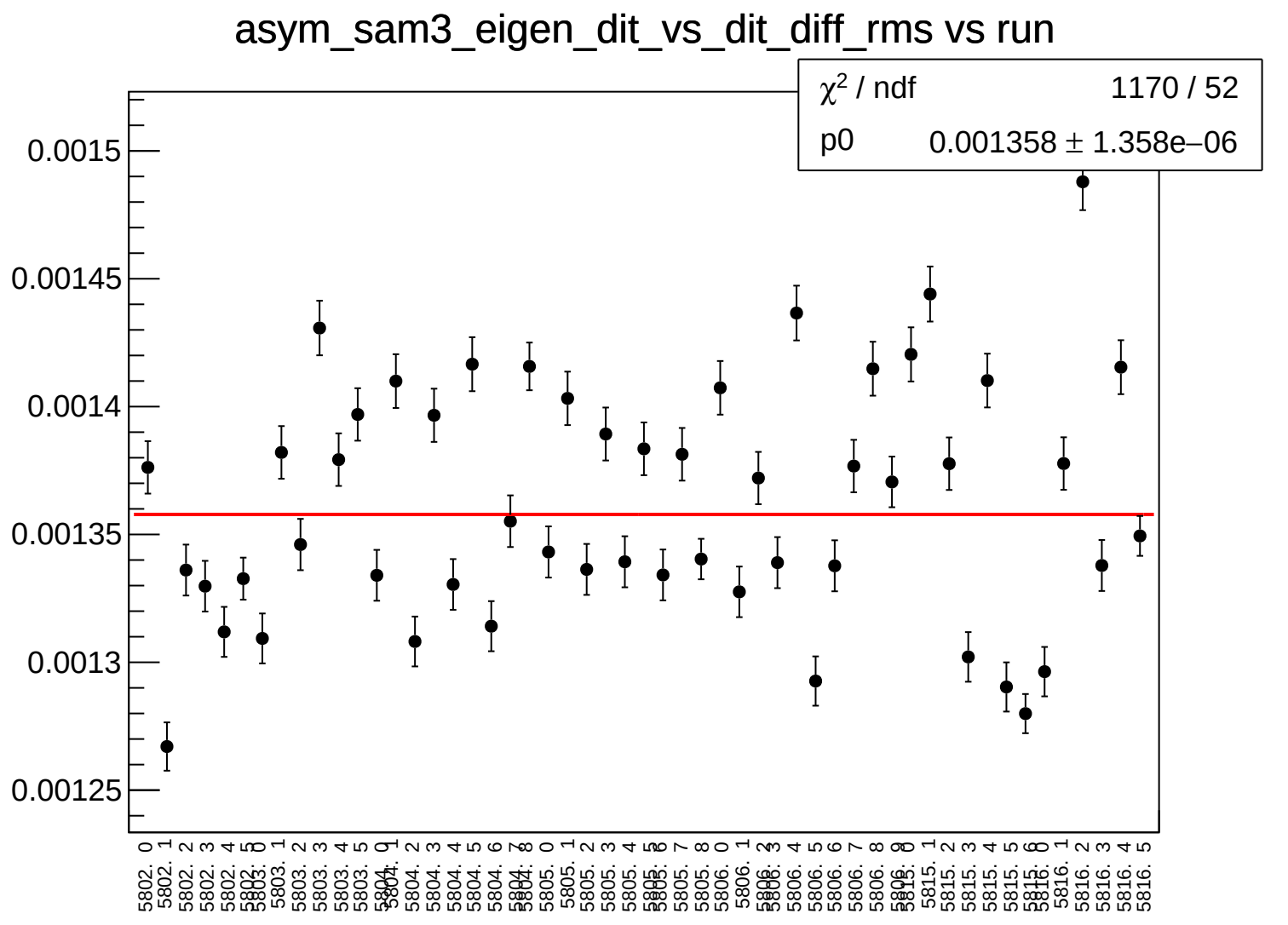

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 4.959e+04 / 52
p0 78.8 ± 0.08076
180
160
140
120
100
80
60

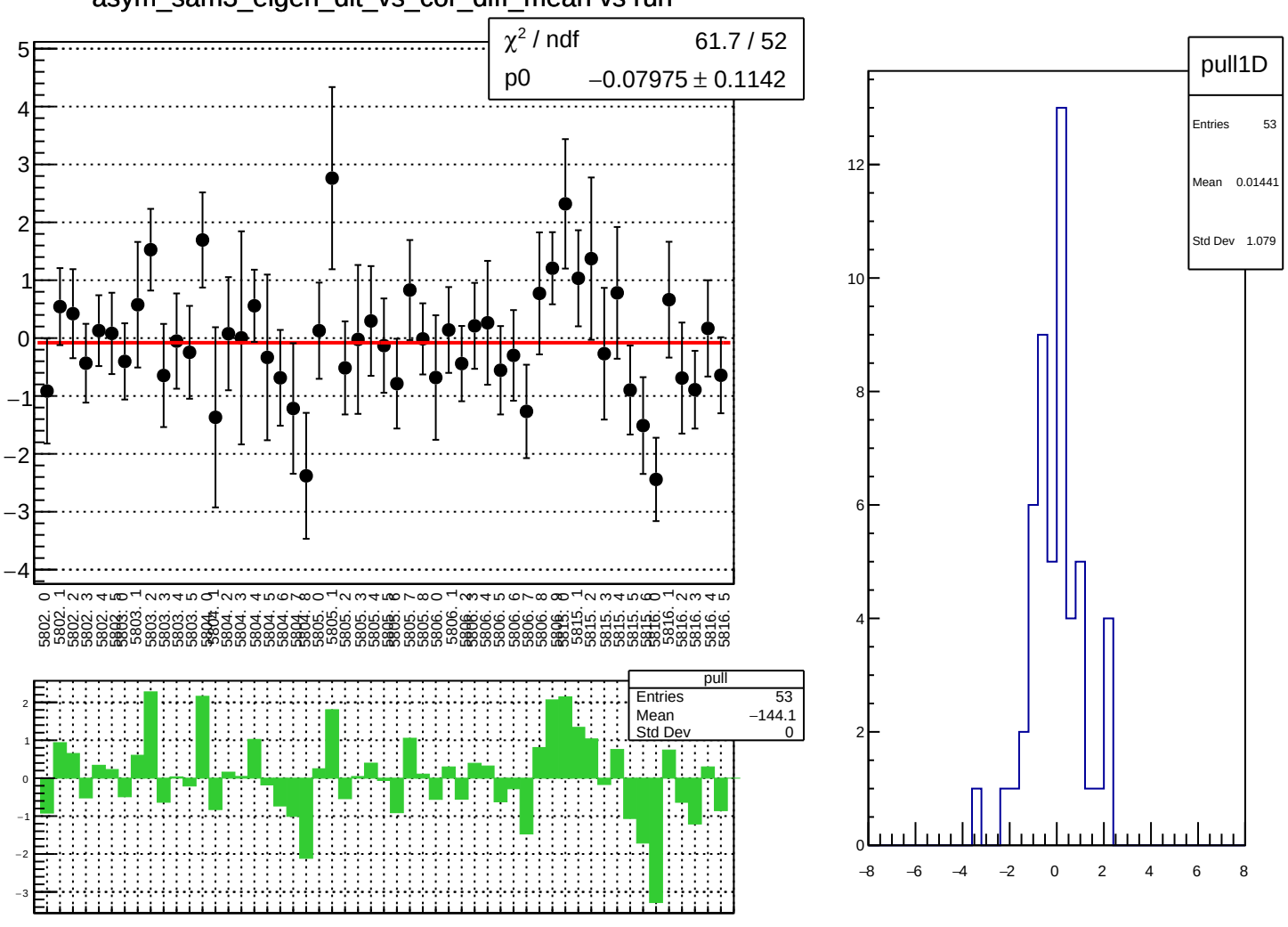

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.7 / 52
p0 −0.07975 ± 0.1142
pull
Entries 53
Mean −144.1
Std Dev 0
pull1D
Entries 53
Mean 0.01441
Std Dev 1.079

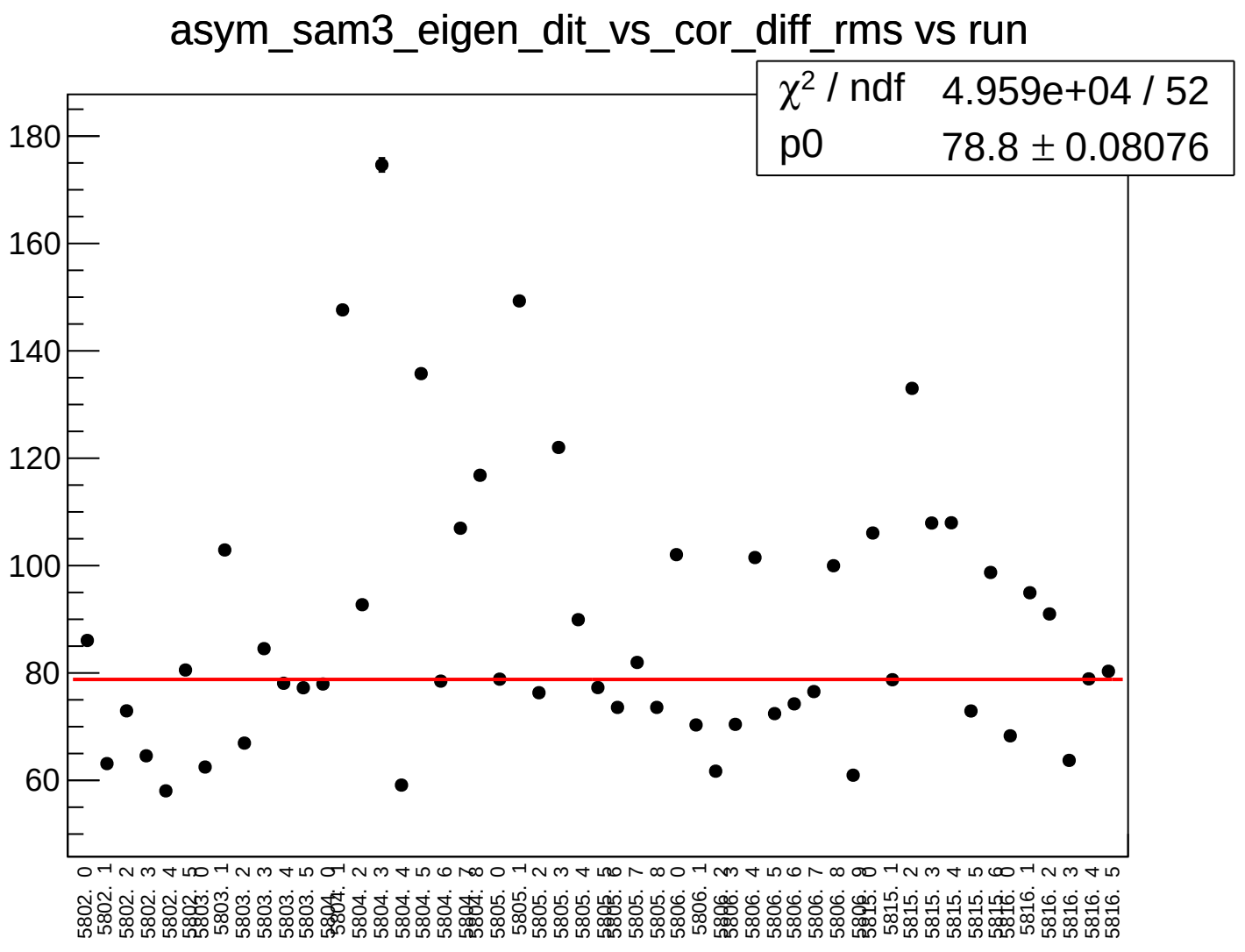

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.959e+04 / 52
p0 78.8 ± 0.08076
180
160
140
120
100
80
60

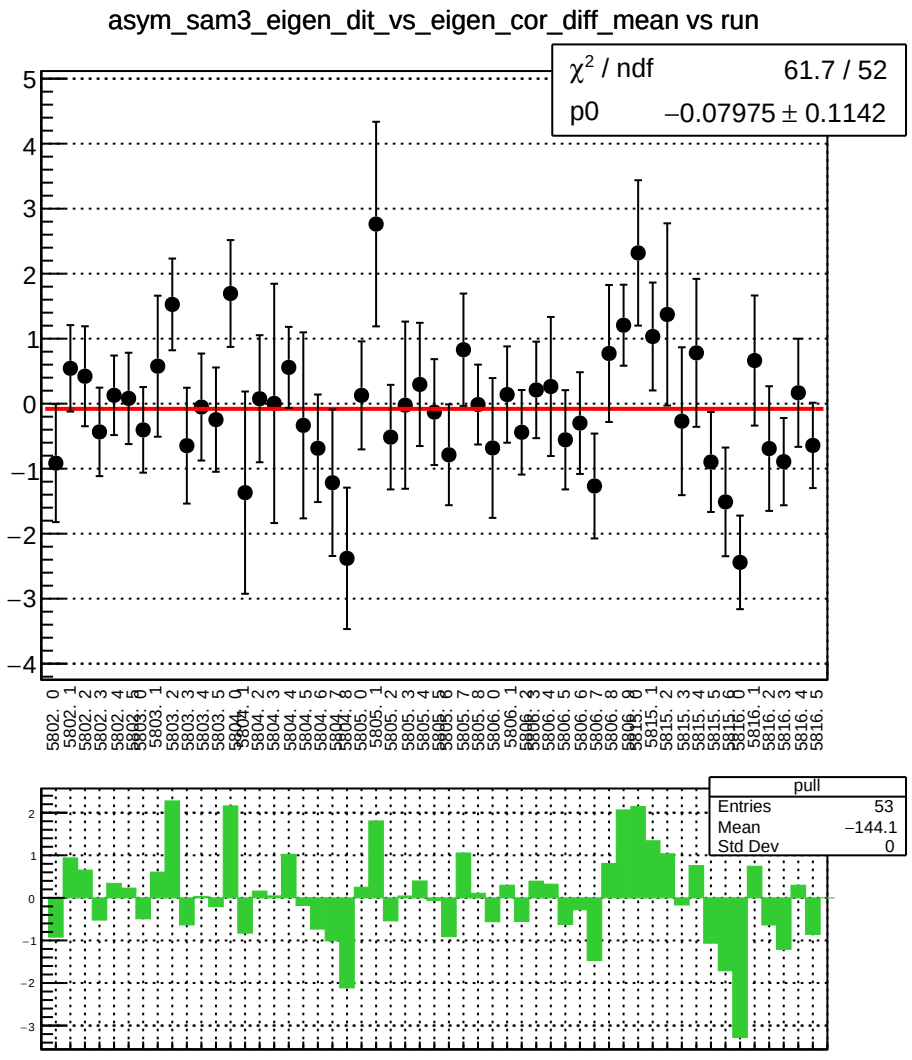

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.5 / 52
p0 −2.976e−07 ± 1.92e−06
pull
Entries 53
Mean −91.98
Std Dev 0

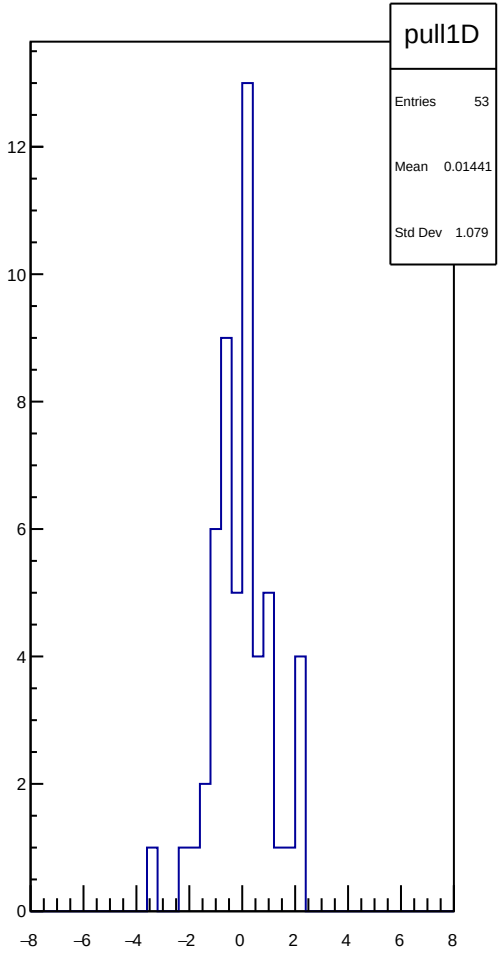

pull1D
Entries 53
Mean 0.02023
Std Dev 1.004

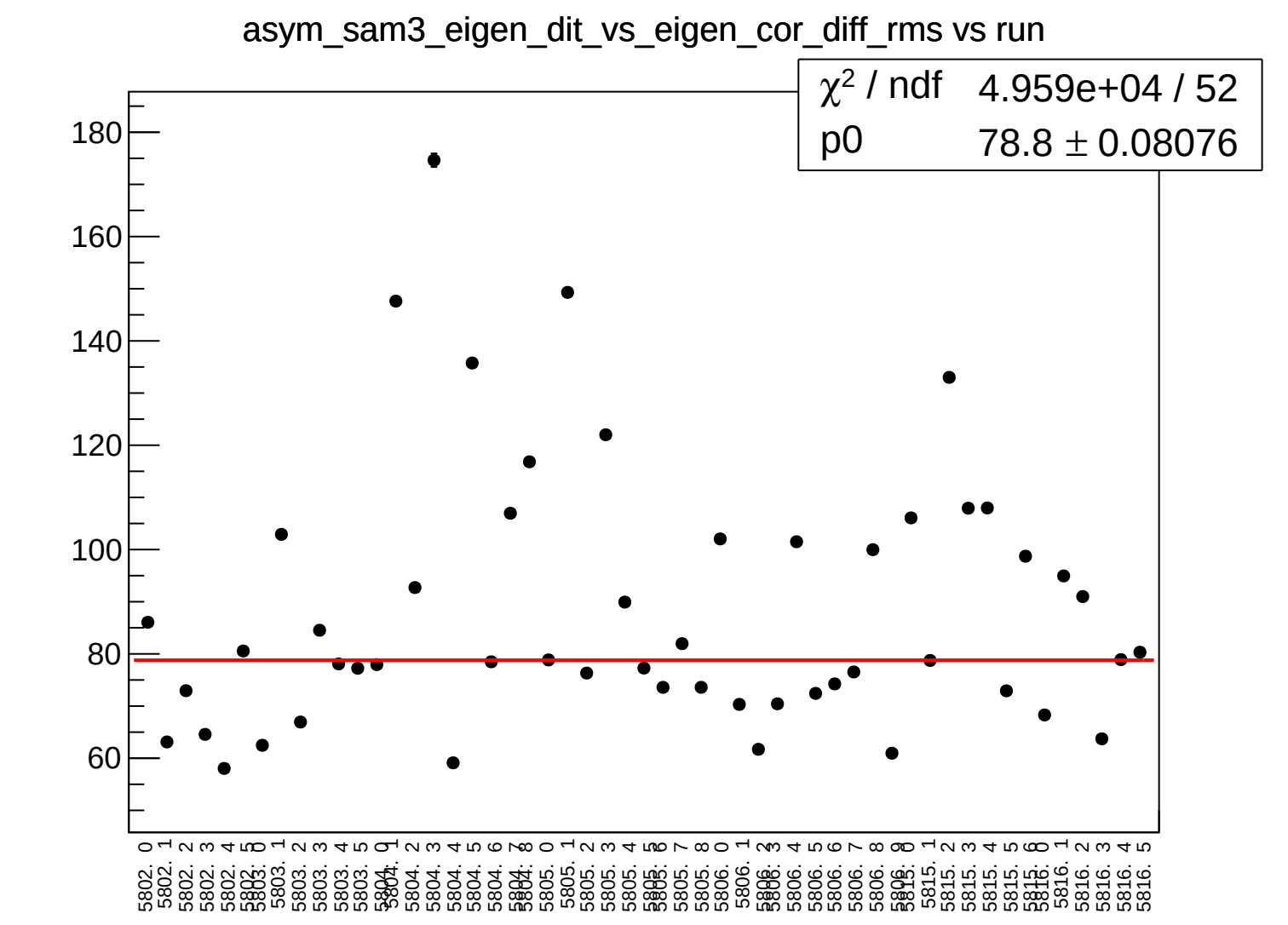

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1170 / 52
p0 0.001358 ± 1.358e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125

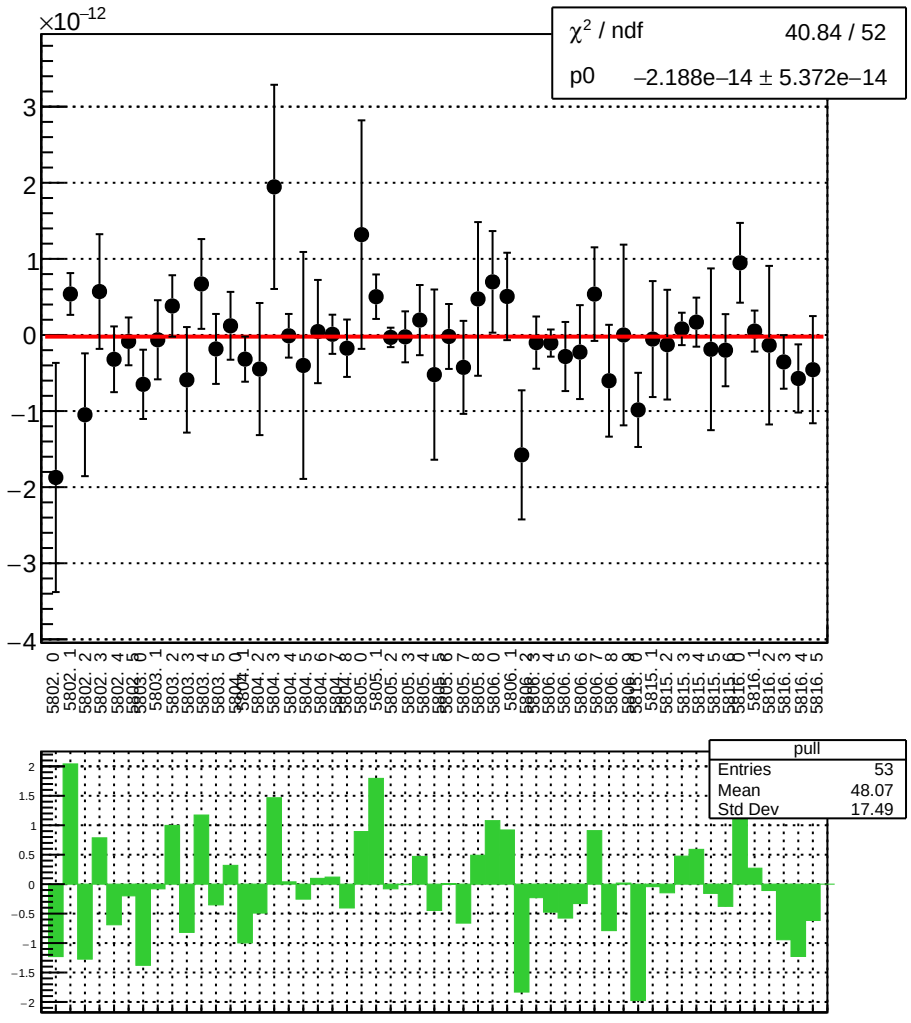

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.7 / 52
p0 −0.07975 ± 0.1142
pull
Entries 53
Mean −144.1
Std Dev 0
pull1D
Entries 53
Mean 0.01441
Std Dev 1.079

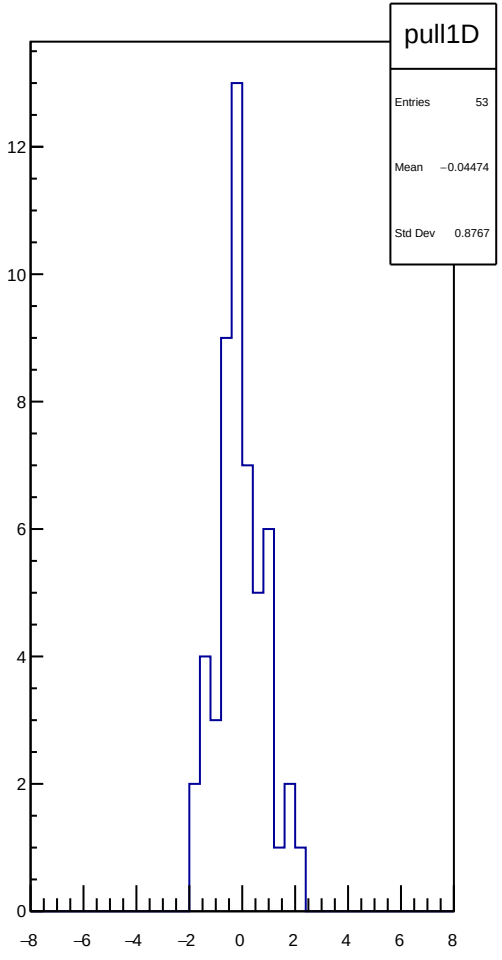

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.959e+04 / 52
p0 78.8 ± 0.08076
180
160
140
120
100
80
60

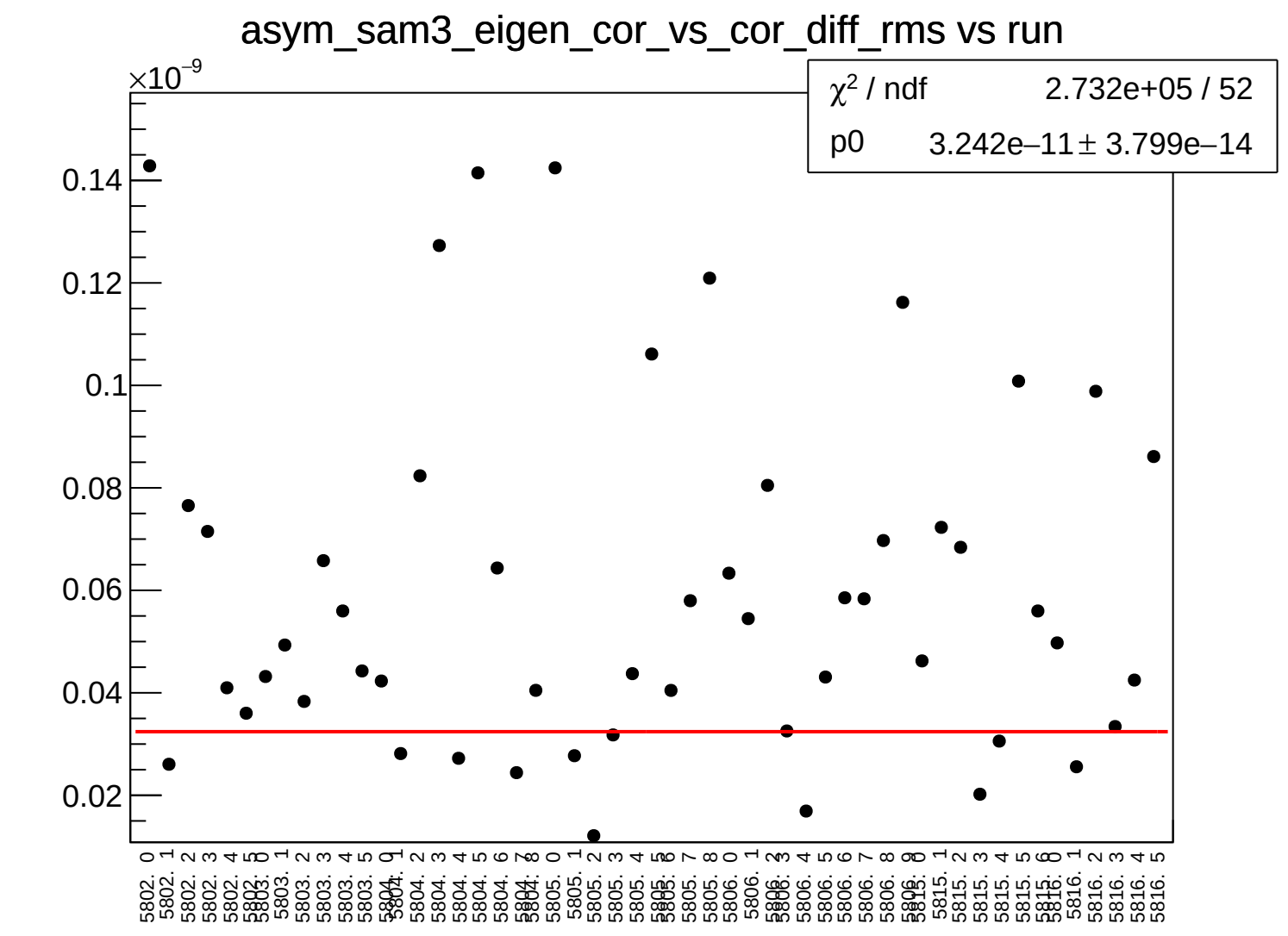

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.7 / 52
p0 −0.07975 ± 0.1142
pull
Entries 53
Mean −144.1
Std Dev 0

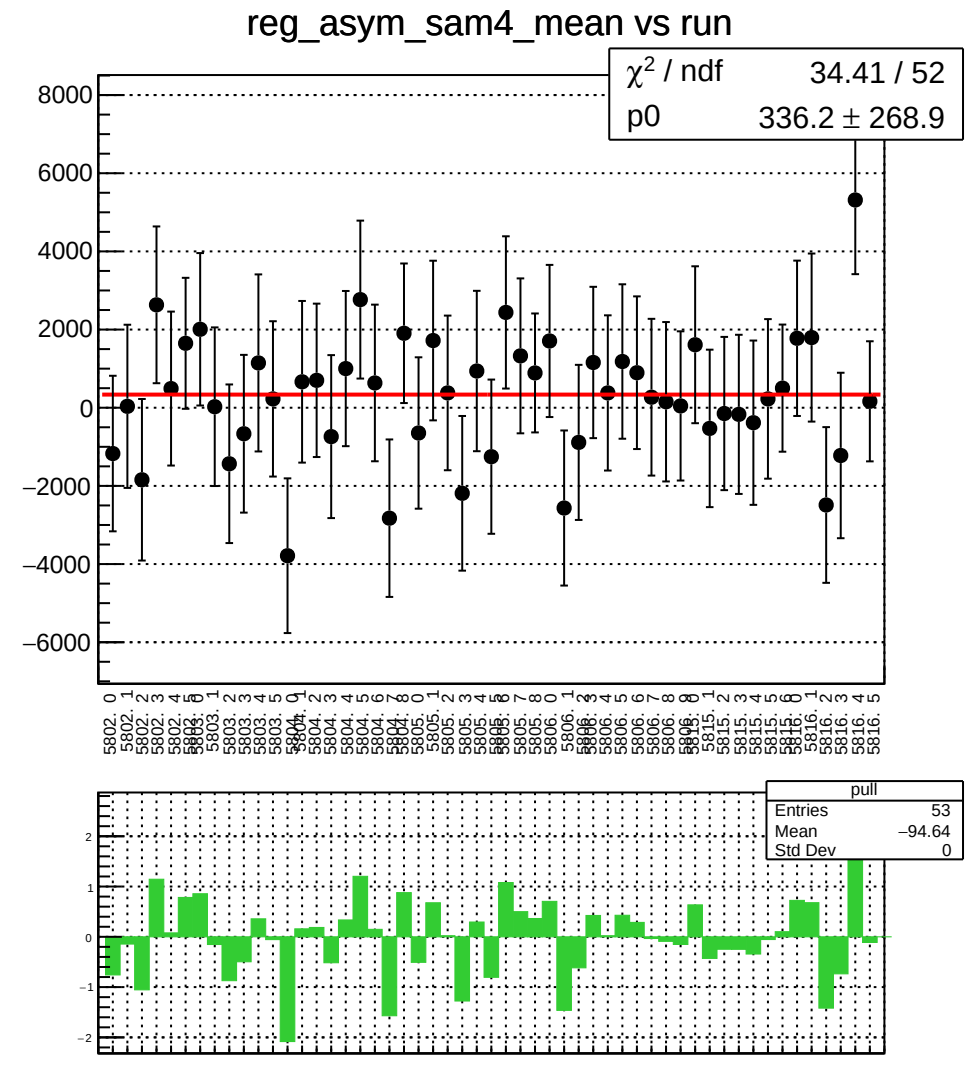

pull1D
Entries 53
Mean 0.01441
Std Dev 1.079

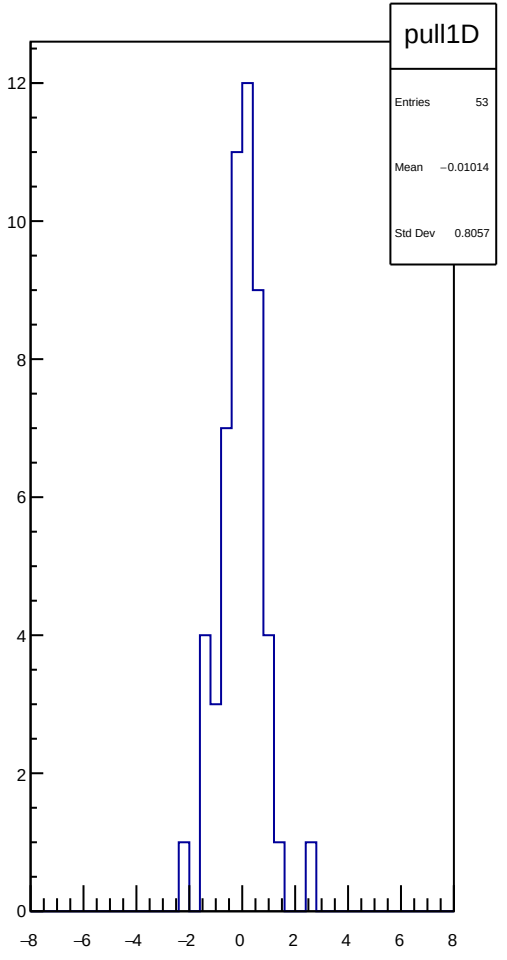

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.959e+04 / 52
p0 78.8 ± 0.08076
180
160
140
120
100
80
60

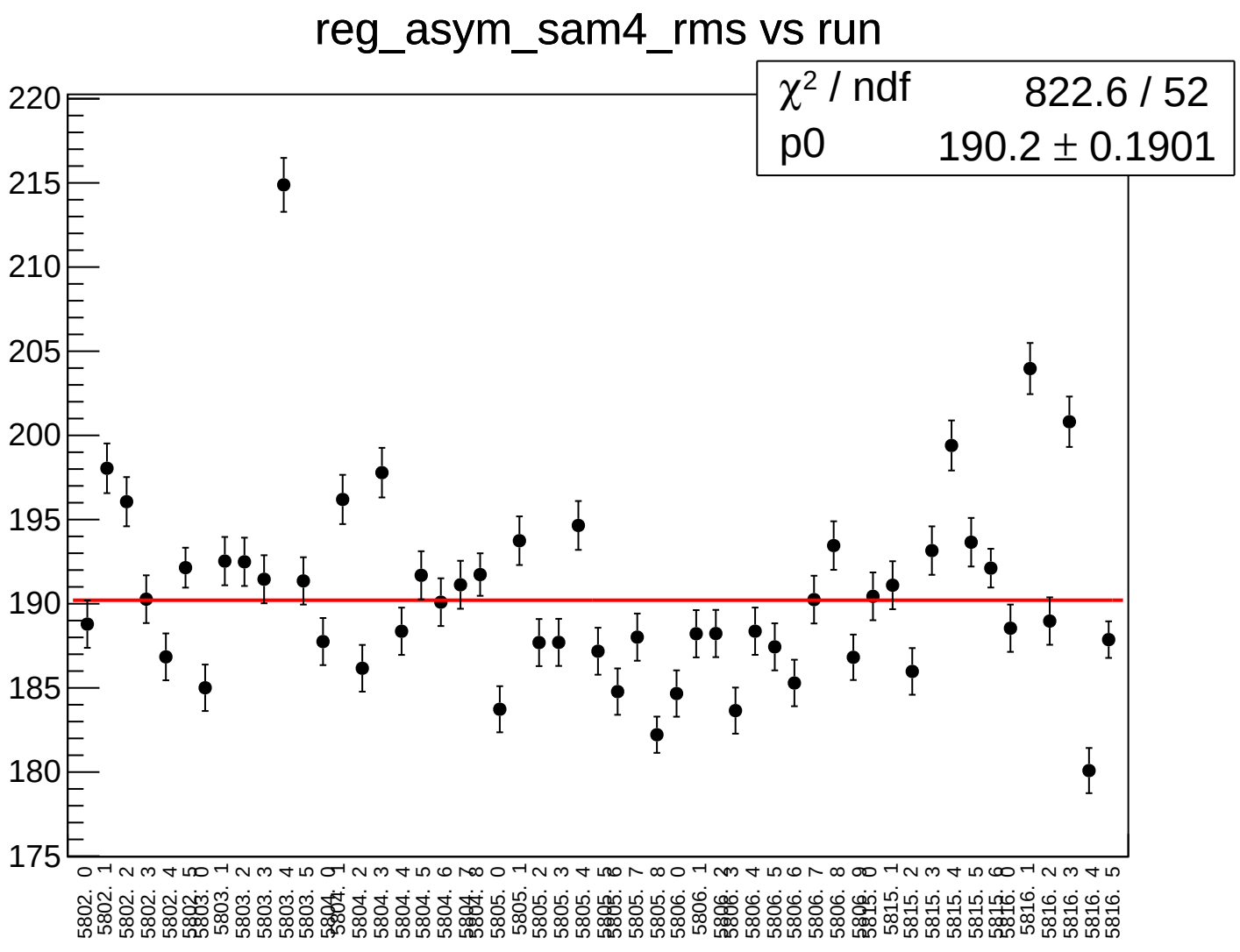

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.84 / 52
p0 −2.188e−14 ± 5.372e−14
pull
Entries 53
Mean 48.07
Std Dev 17.49

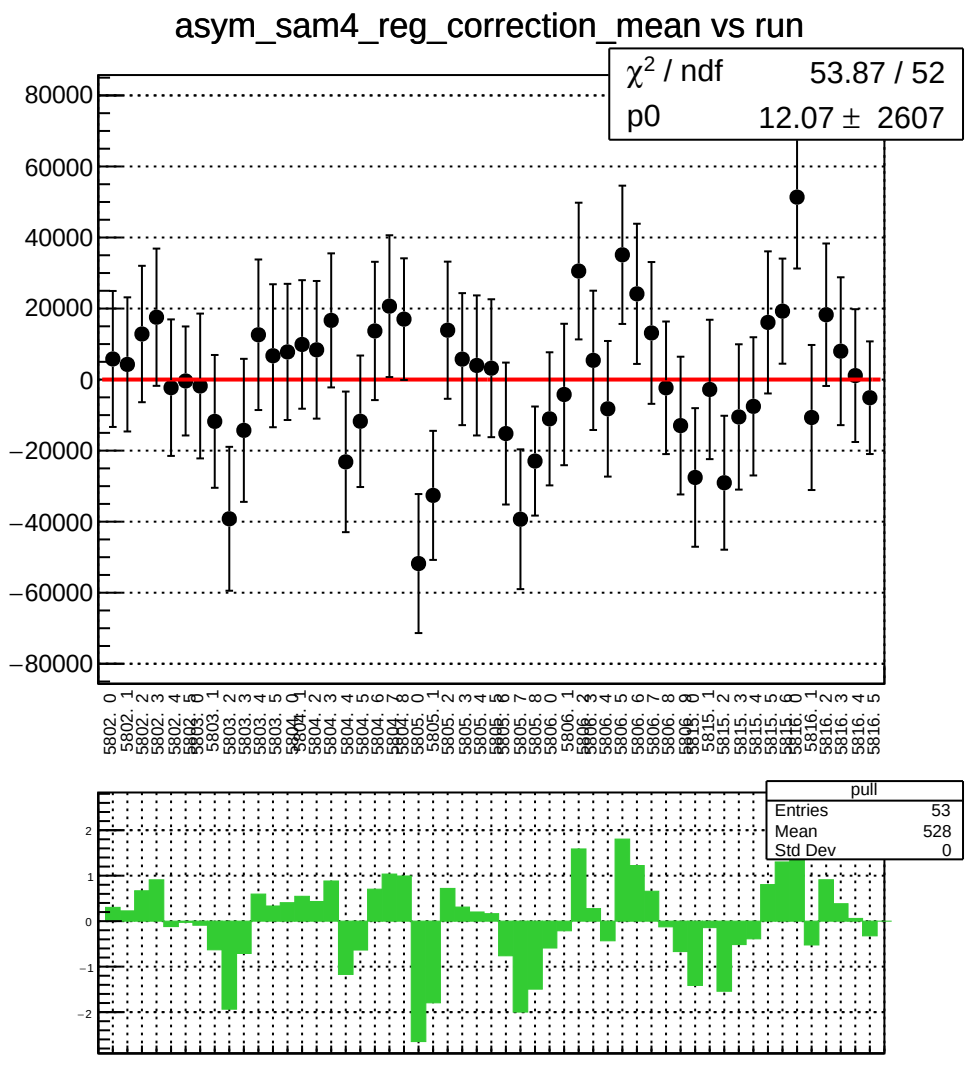

pull1D
Entries 53
Mean −0.04474
Std Dev 0.8767

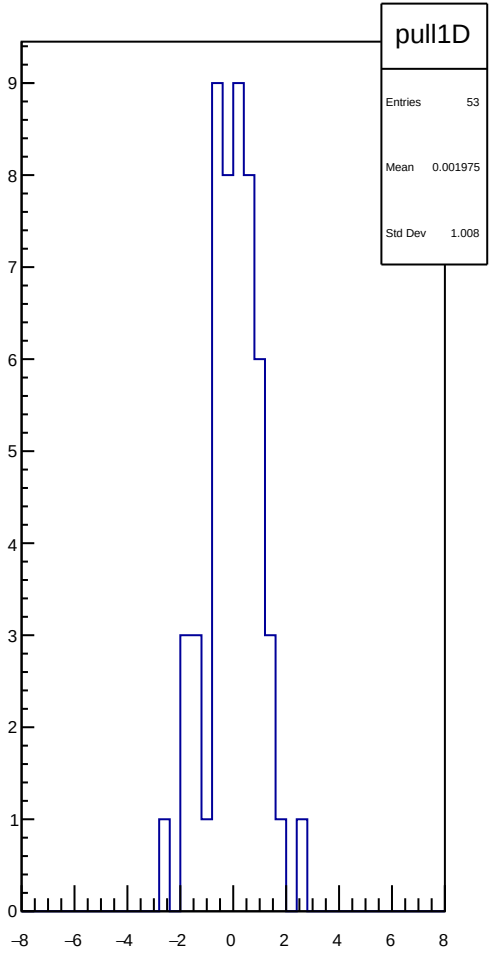

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.732e+05 / 52
p0 3.242e−11 ± 3.799e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

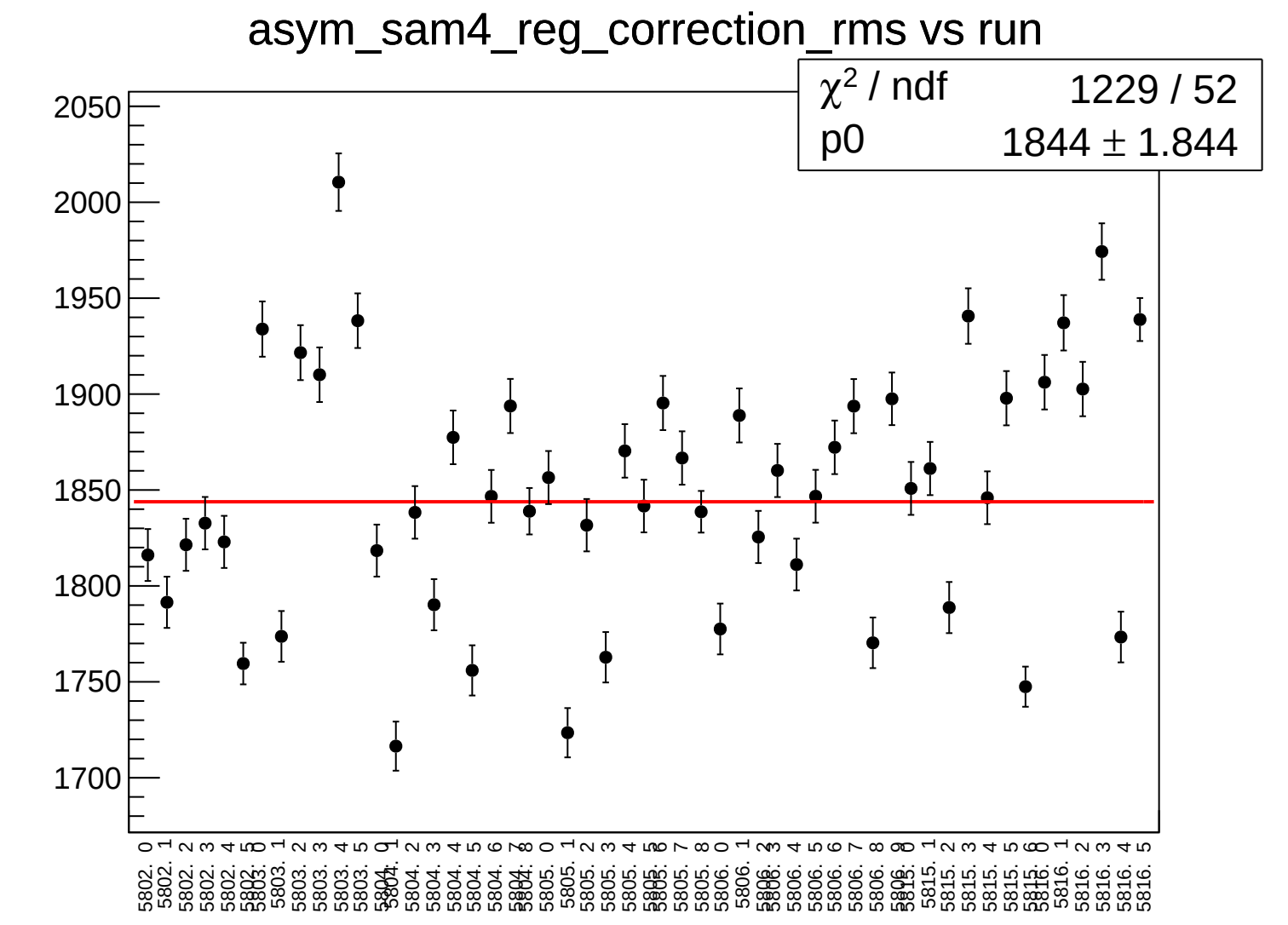

reg_asym_sam4_mean vs run
χ² / ndf 34.41 / 52
p0 336.2 ± 268.9
pull
Entries 53
Mean −94.64
Std Dev 0

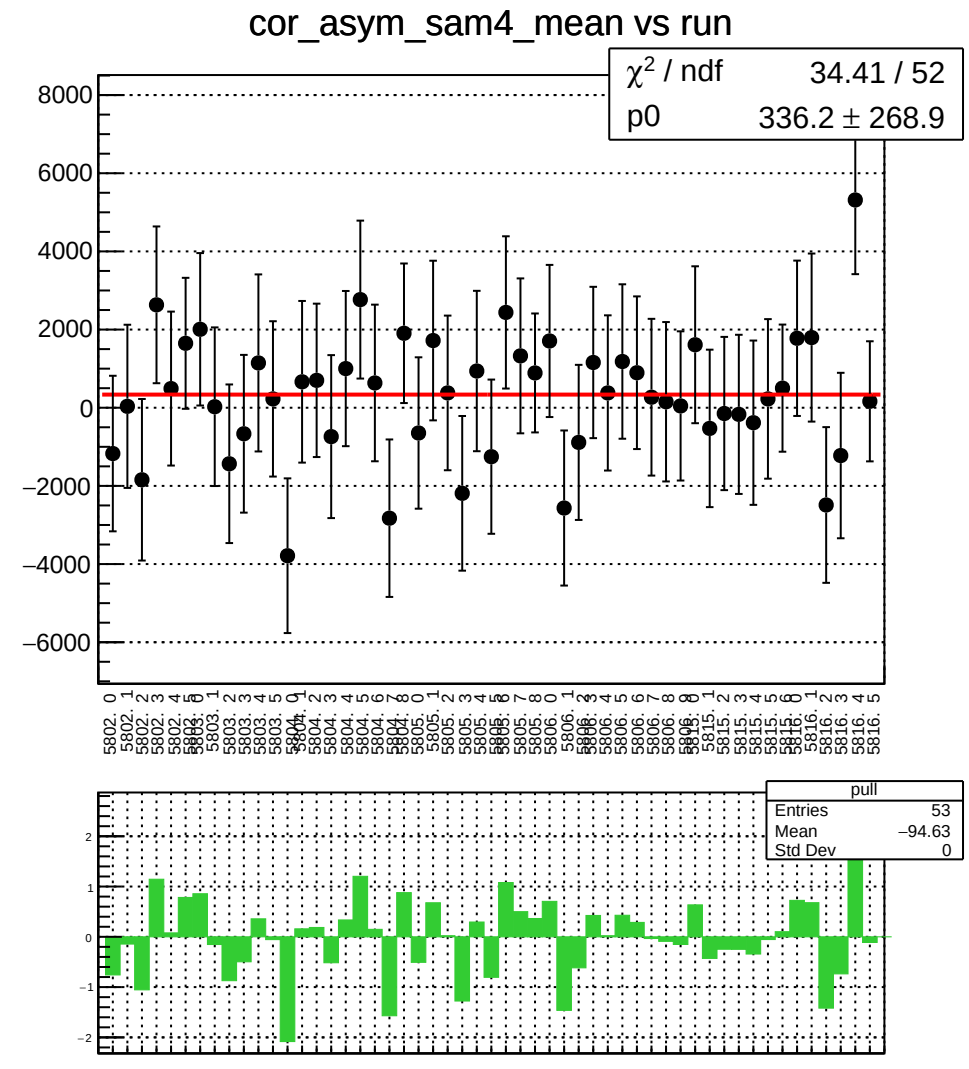

pull1D
Entries 53
Mean −0.01014
Std Dev 0.8057

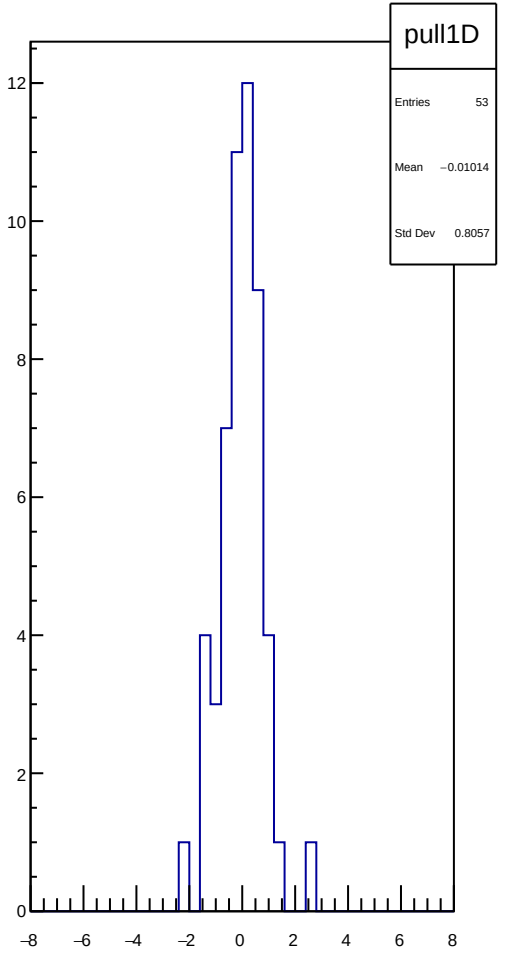

reg_asym_sam4_rms vs run
χ² / ndf 822.6 / 52
p0 190.2 ± 0.1901
220
215
210
205
200
195
190
185
180
175

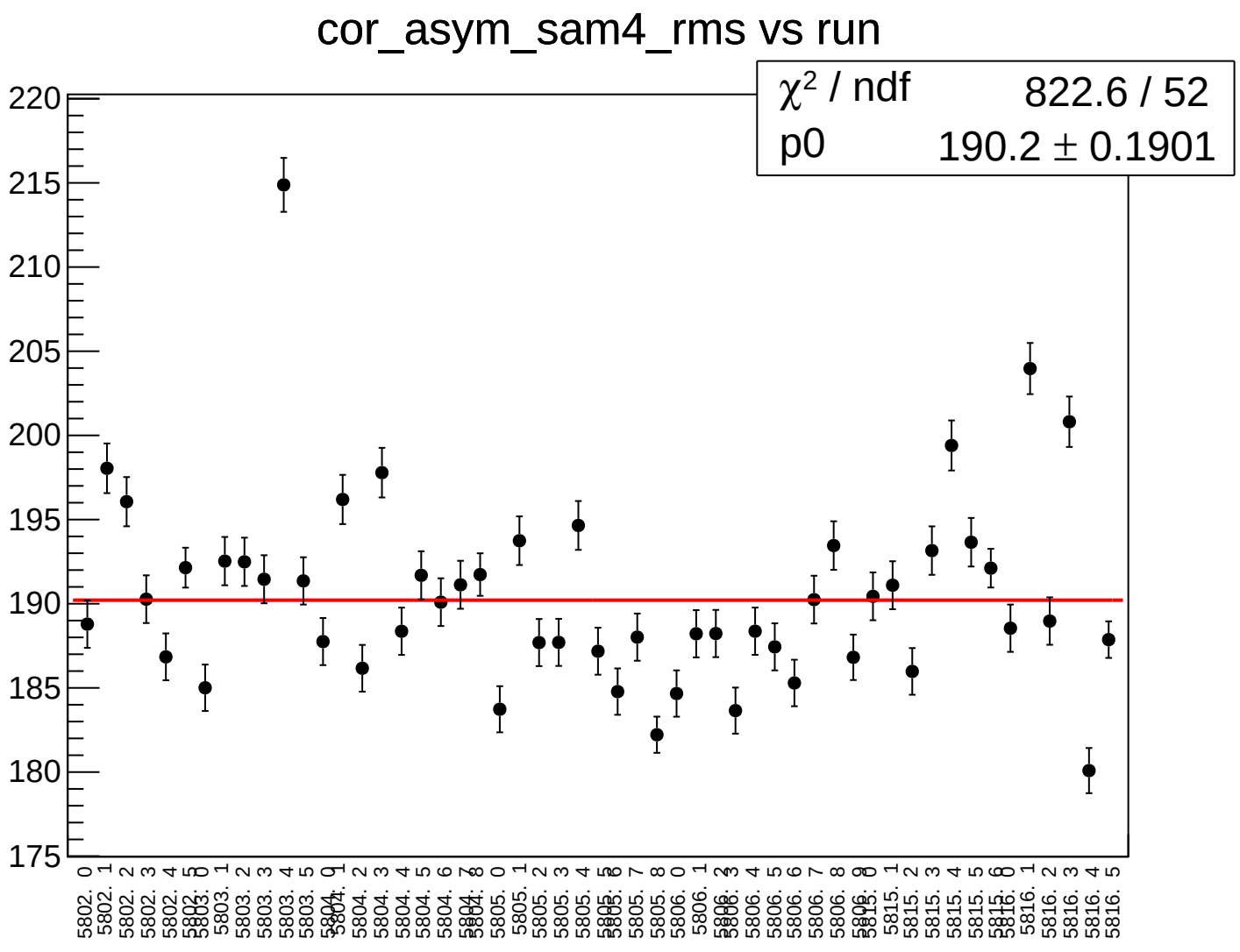

asym_sam4_reg_correction_mean vs run
χ² / ndf 53.87 / 52
p0 12.07 ± 2607
pull
Entries 53
Mean 528
Std Dev 0

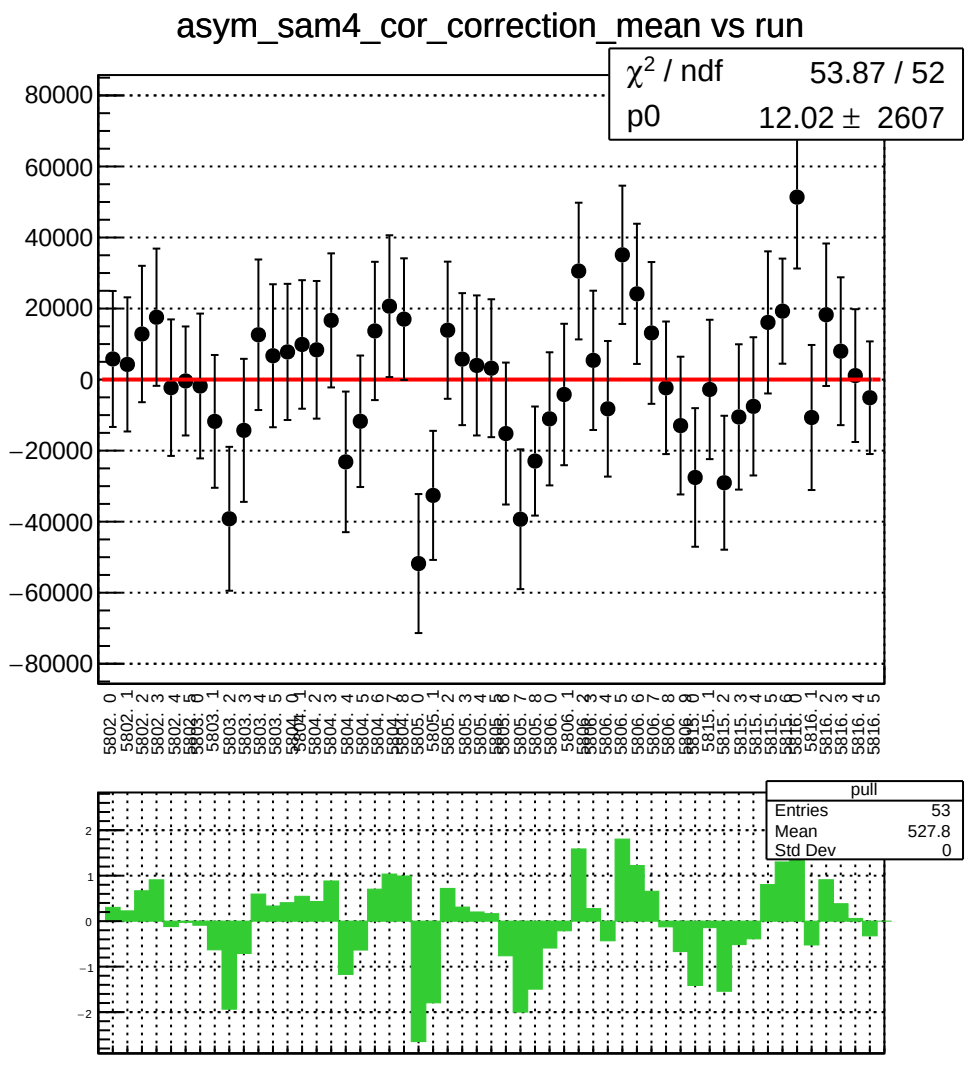

pull1D
Entries 53
Mean 0.001975
Std Dev 1.008

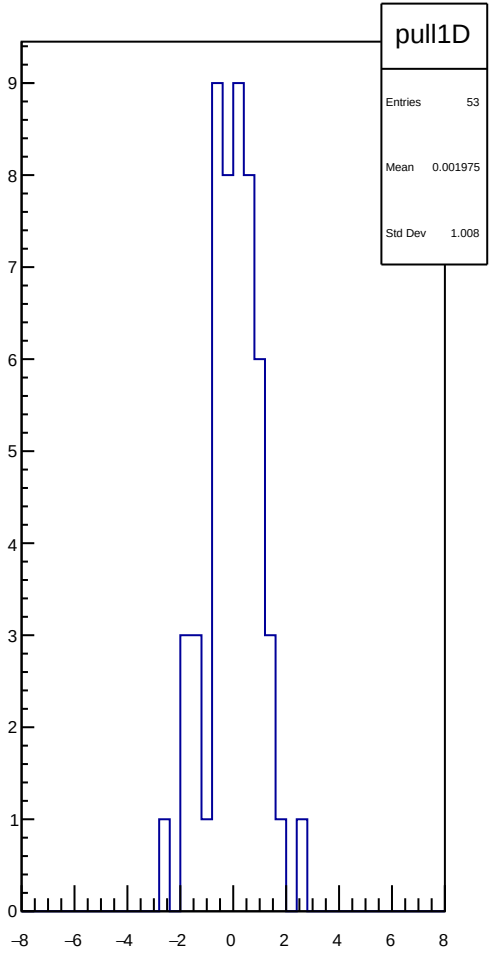

asym_sam4_reg_correction_rms vs run
χ² / ndf 1229 / 52
p0 1844 ± 1.844
2050
2000
1950
1900
1850
1800
1750
1700

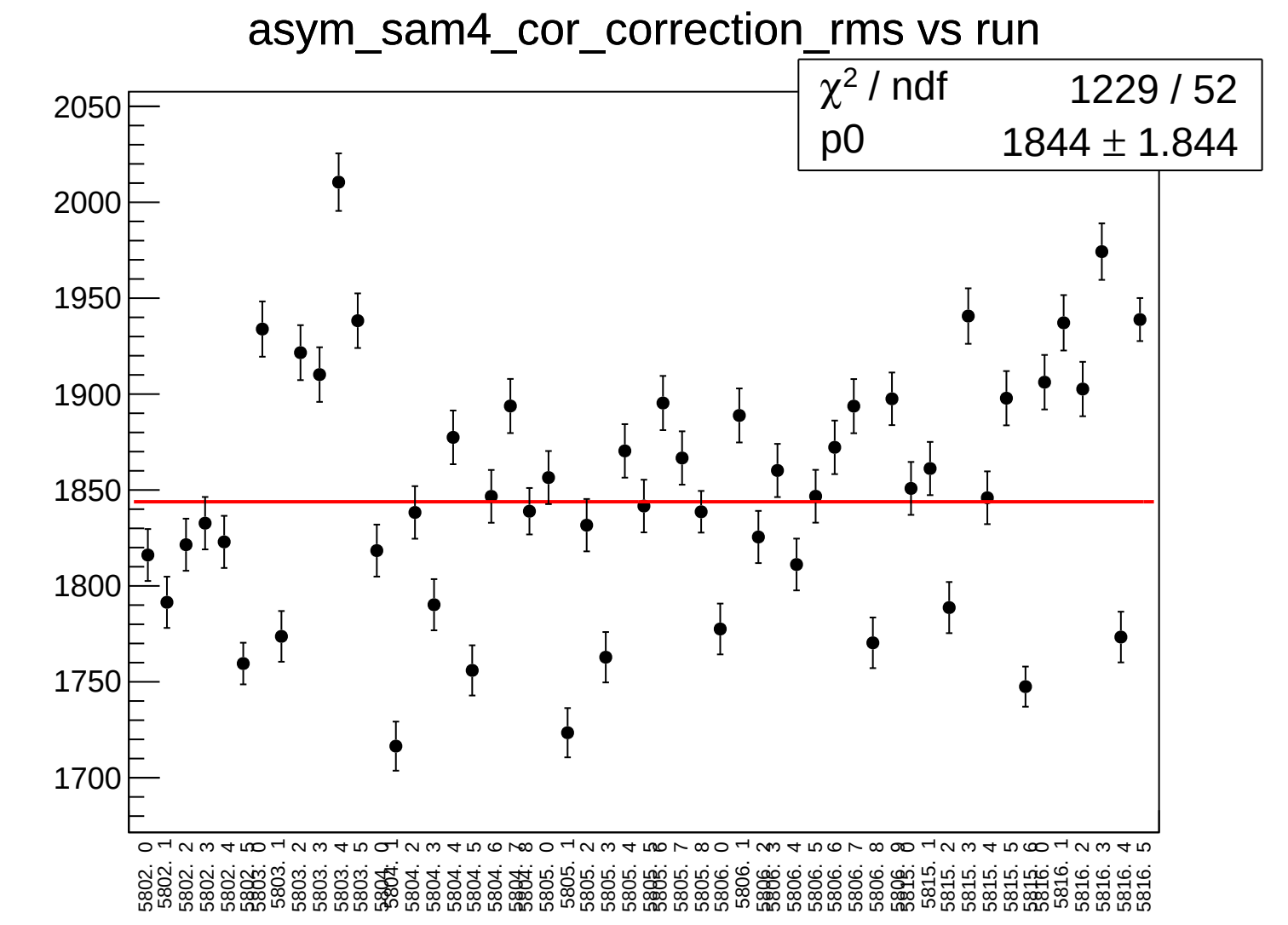

cor_asym_sam4_mean vs run
χ² / ndf 34.41 / 52
p0 336.2 ± 268.9
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −94.63
Std Dev 0
2
1
0
−1
−2

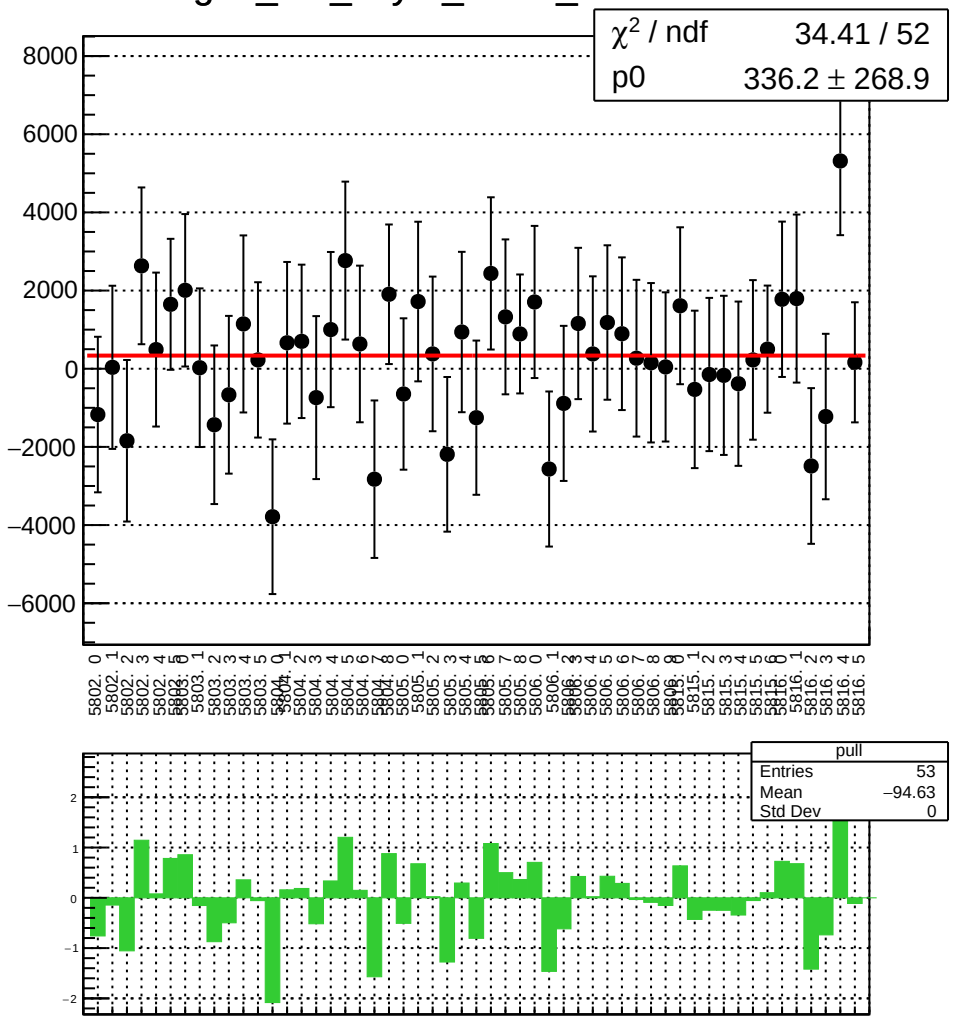

pull1D
Entries 53
Mean −0.01014
Std Dev 0.8057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

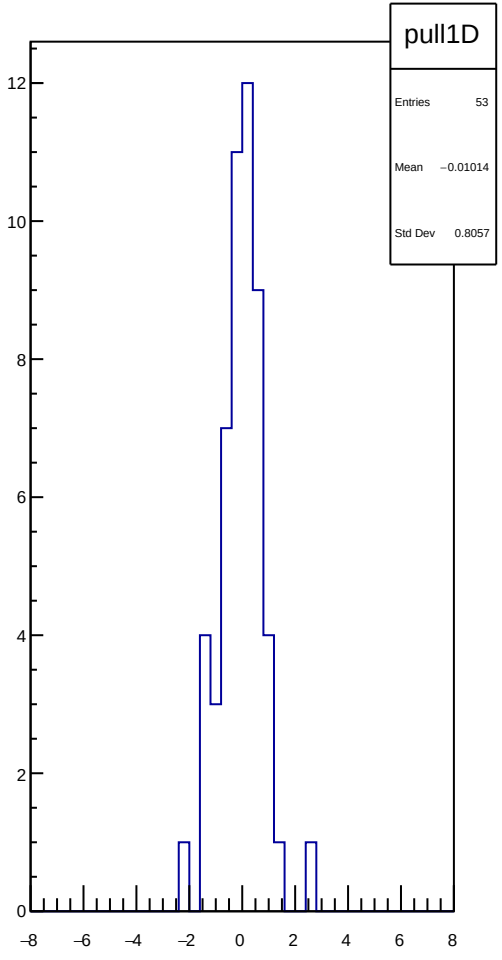

cor_asym_sam4_rms vs run
χ² / ndf 822.6 / 52
p0 190.2 ± 0.1901
220
215
210
205
200
195
190
185
180
175

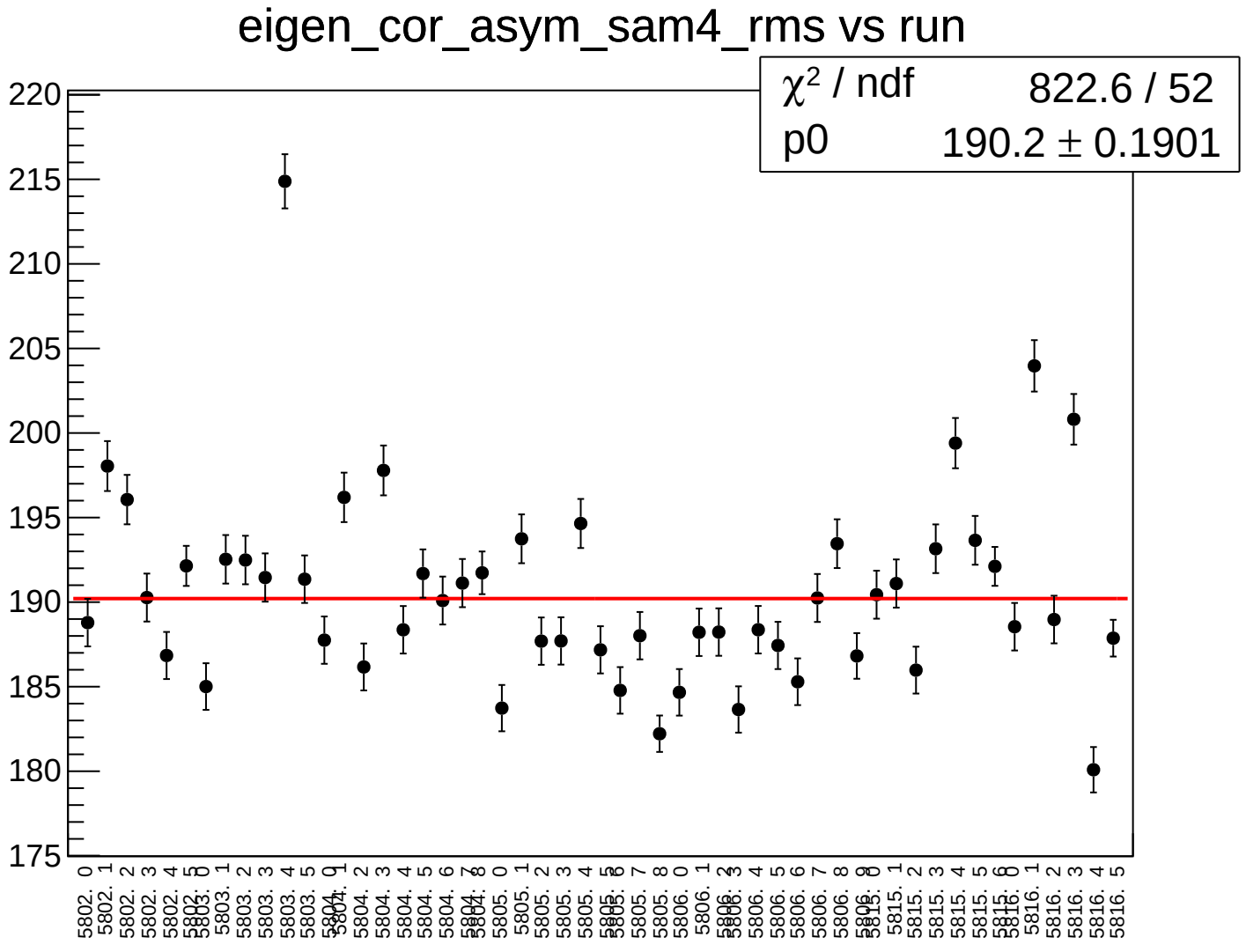

asym_sam4_cor_correction_mean vs run
χ² / ndf 53.87 / 52
p0 12.02 ± 2607
pull
Entries 53
Mean 527.8
Std Dev 0

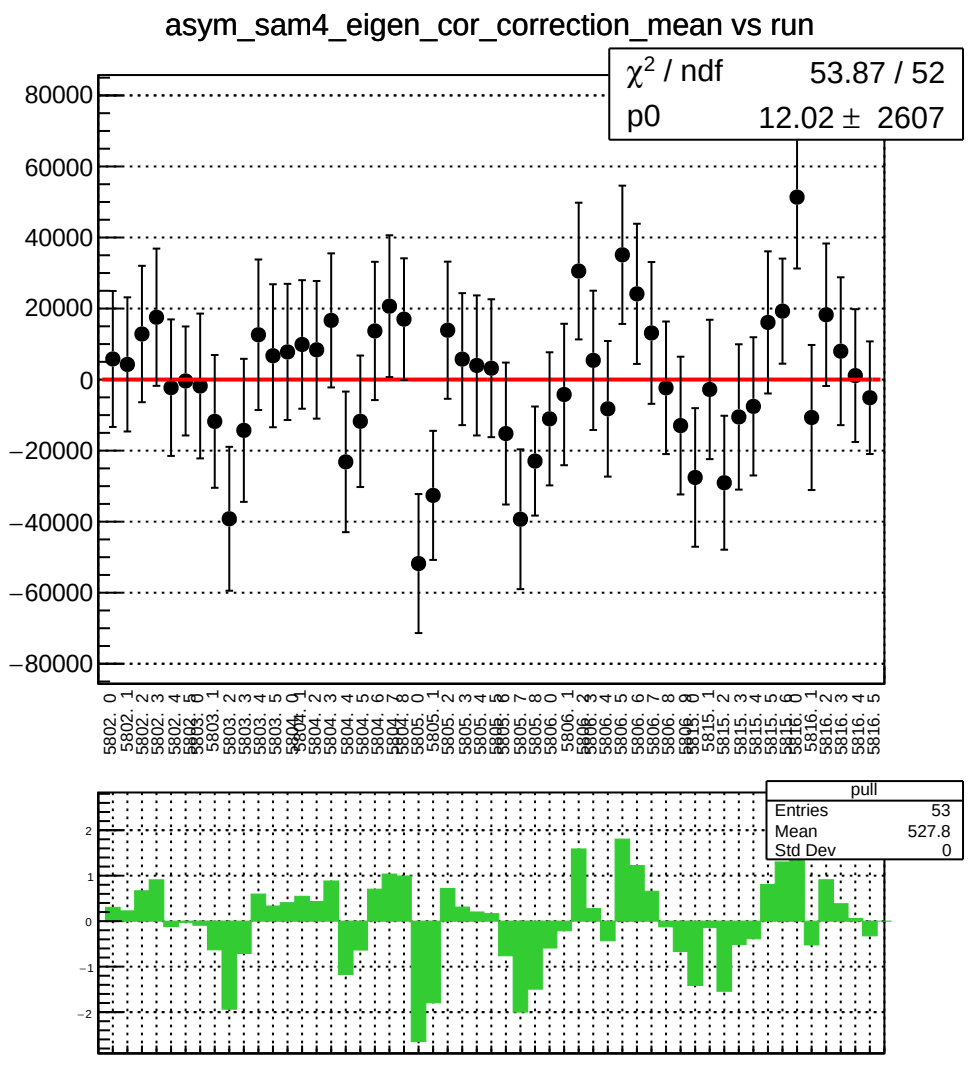

pull1D
Entries 53
Mean 0.001975
Std Dev 1.008

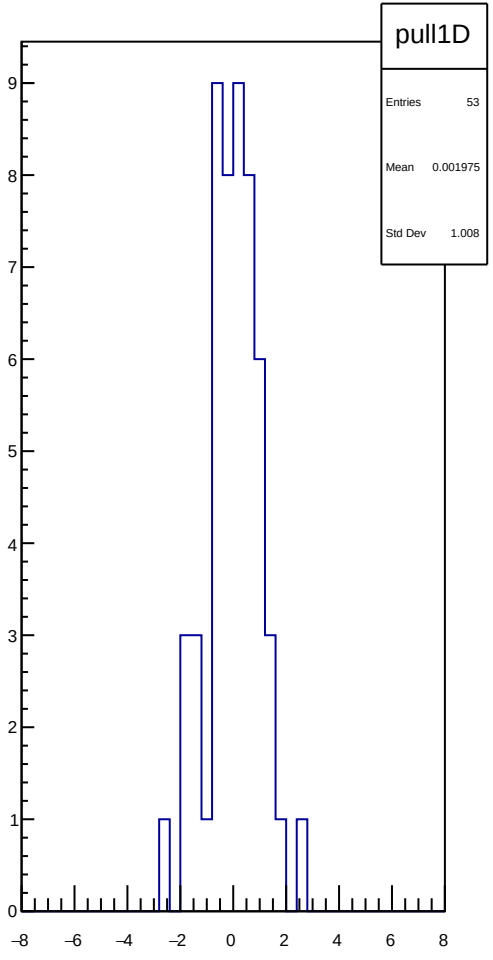

asym_sam4_cor_correction_rms vs run
χ² / ndf 1229 / 52
p0 1844 ± 1.844
2050
2000
1950
1900
1850
1800
1750
1700

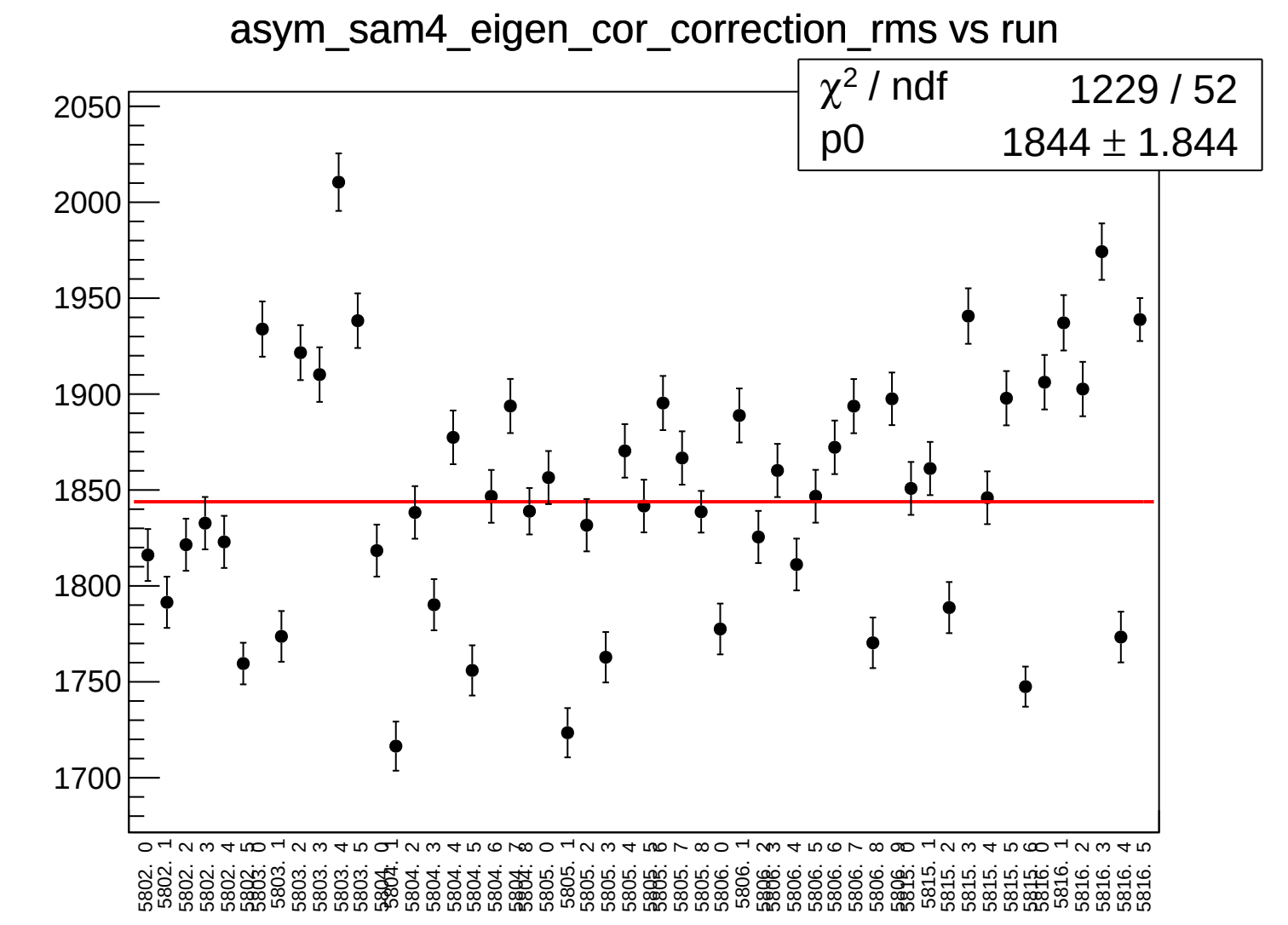

eigen_cor_asym_sam4_mean vs run
χ² / ndf 34.41 / 52
p0 336.2 ± 268.9
pull
Entries 53
Mean −94.63
Std Dev 0

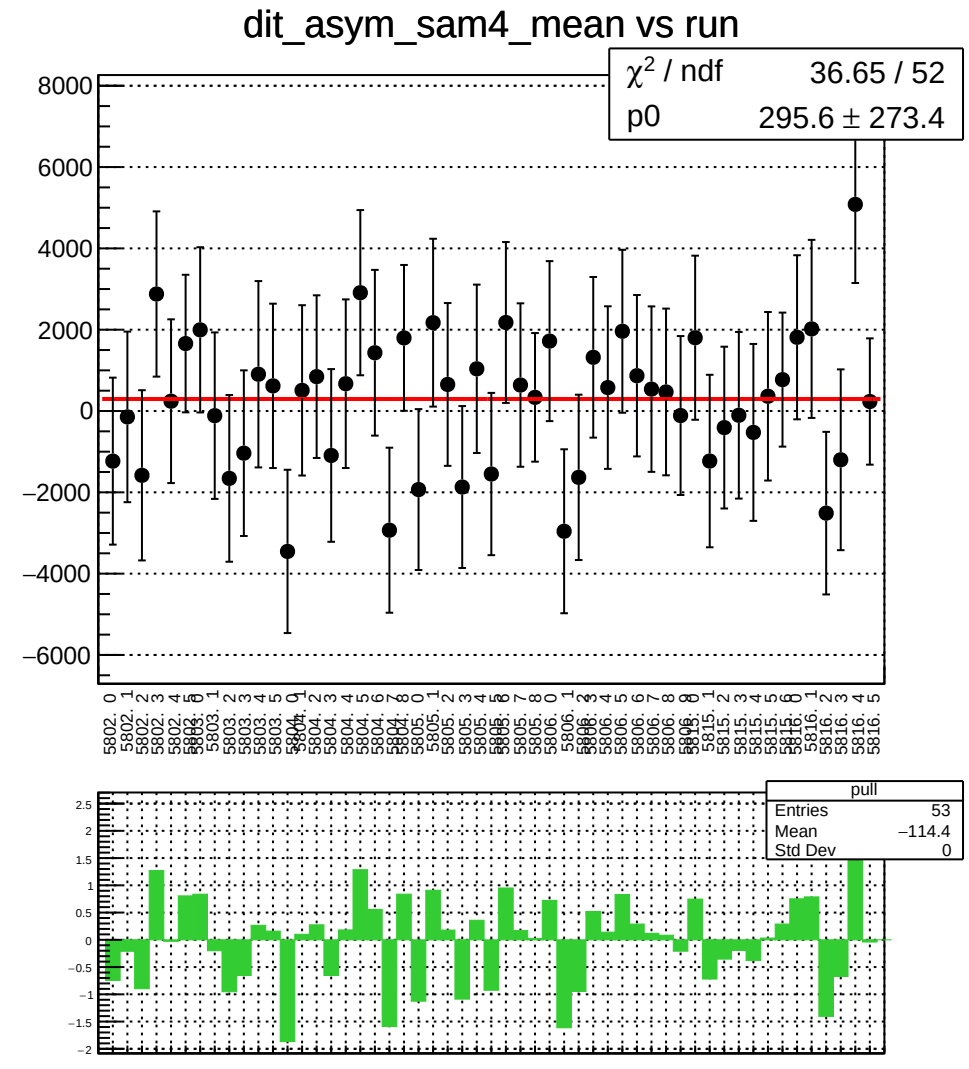

pull1D
Entries 53
Mean −0.01014
Std Dev 0.8057

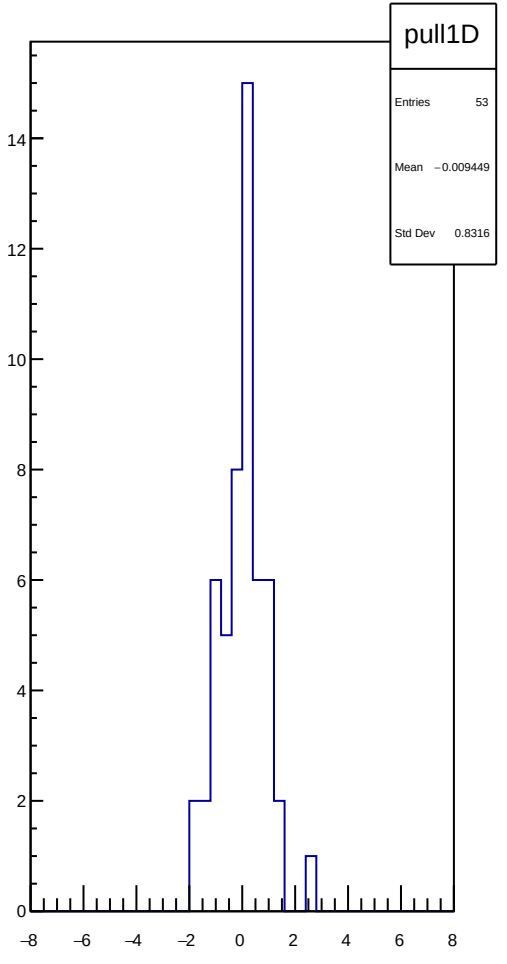

eigen_cor_asym_sam4_rms vs run
χ² / ndf 822.6 / 52
p0 190.2 ± 0.1901
220
215
210
205
200
195
190
185
180
175

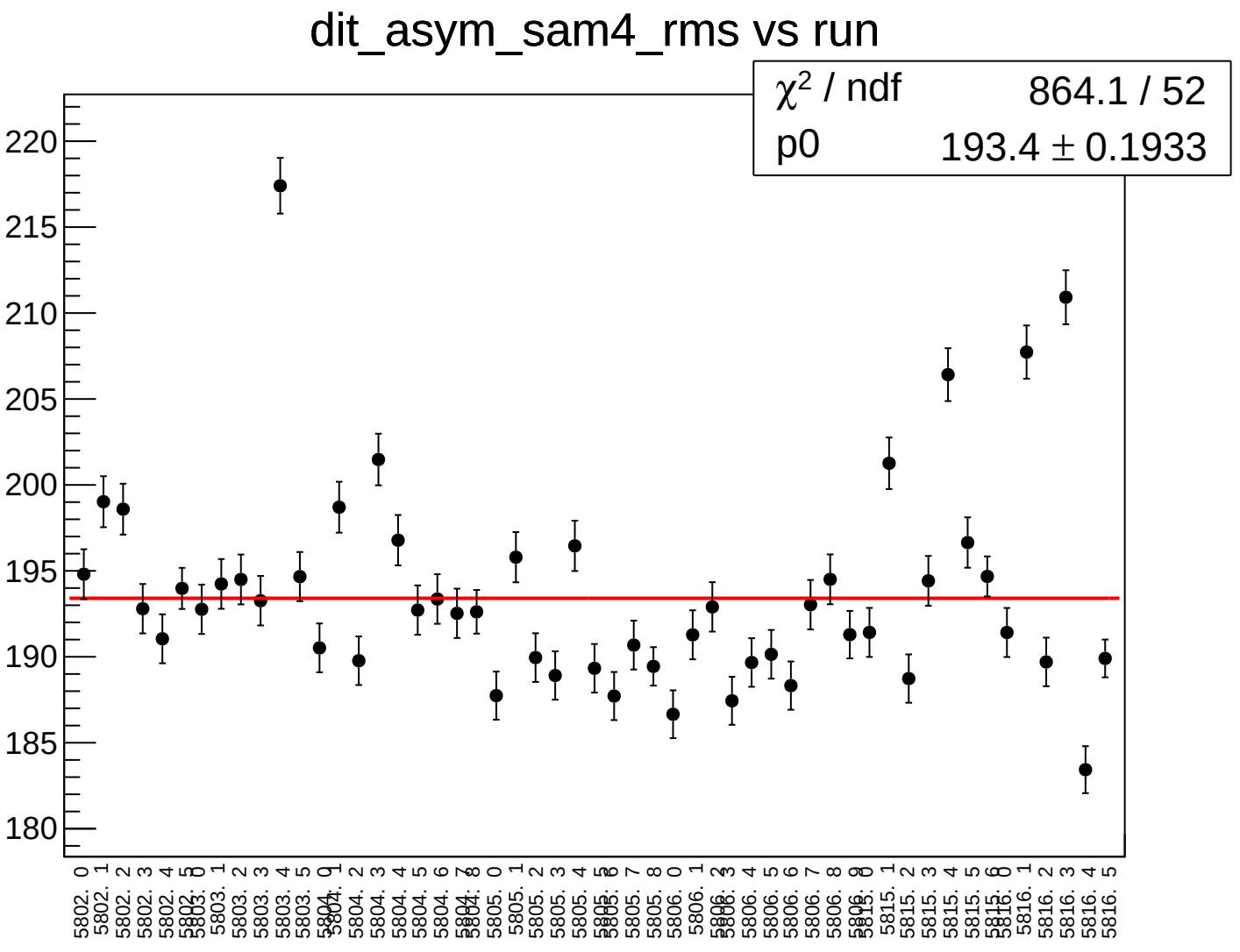

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 53.87 / 52
p0 12.02 ± 2607
pull
Entries 53
Mean 527.8
Std Dev 0

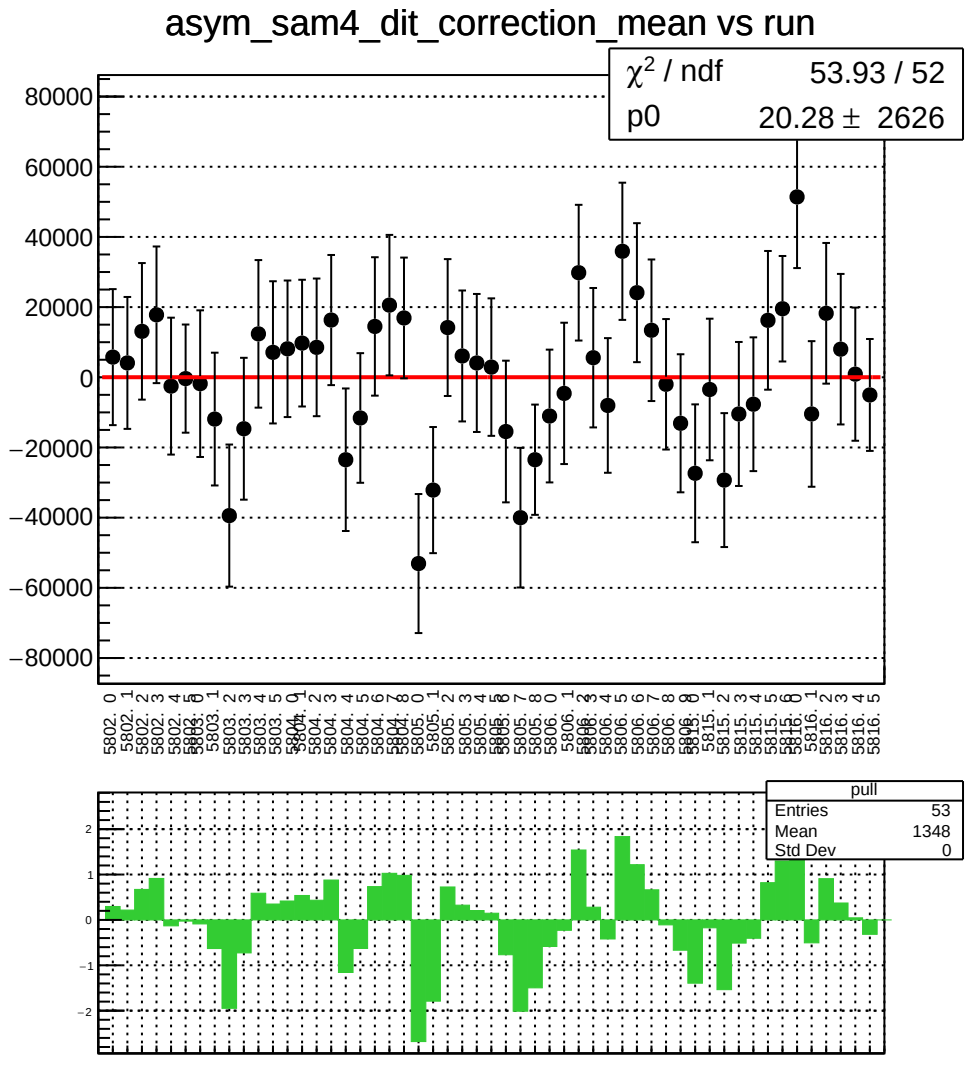

pull1D
Entries 53
Mean 0.001975
Std Dev 1.008

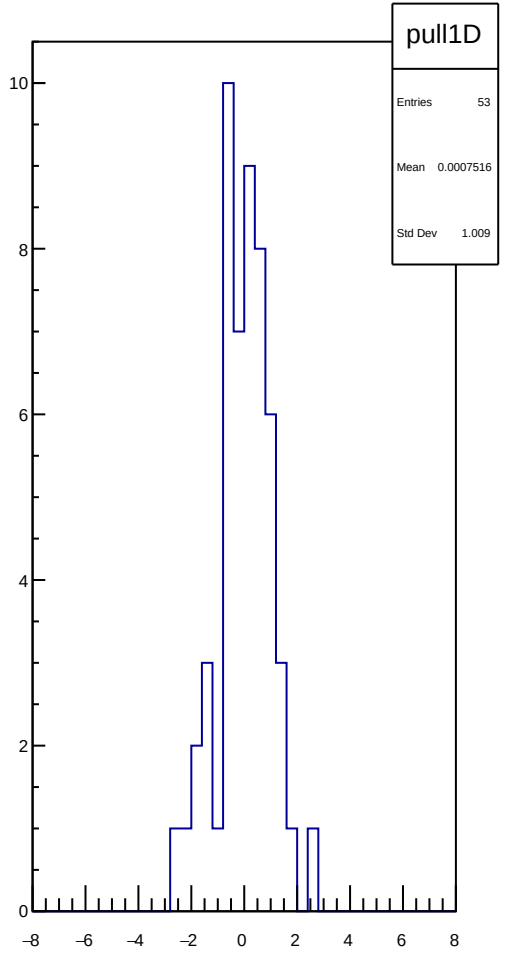

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1229 / 52
p0 1844 ± 1.844
2050
2000
1950
1900
1850
1800
1750
1700

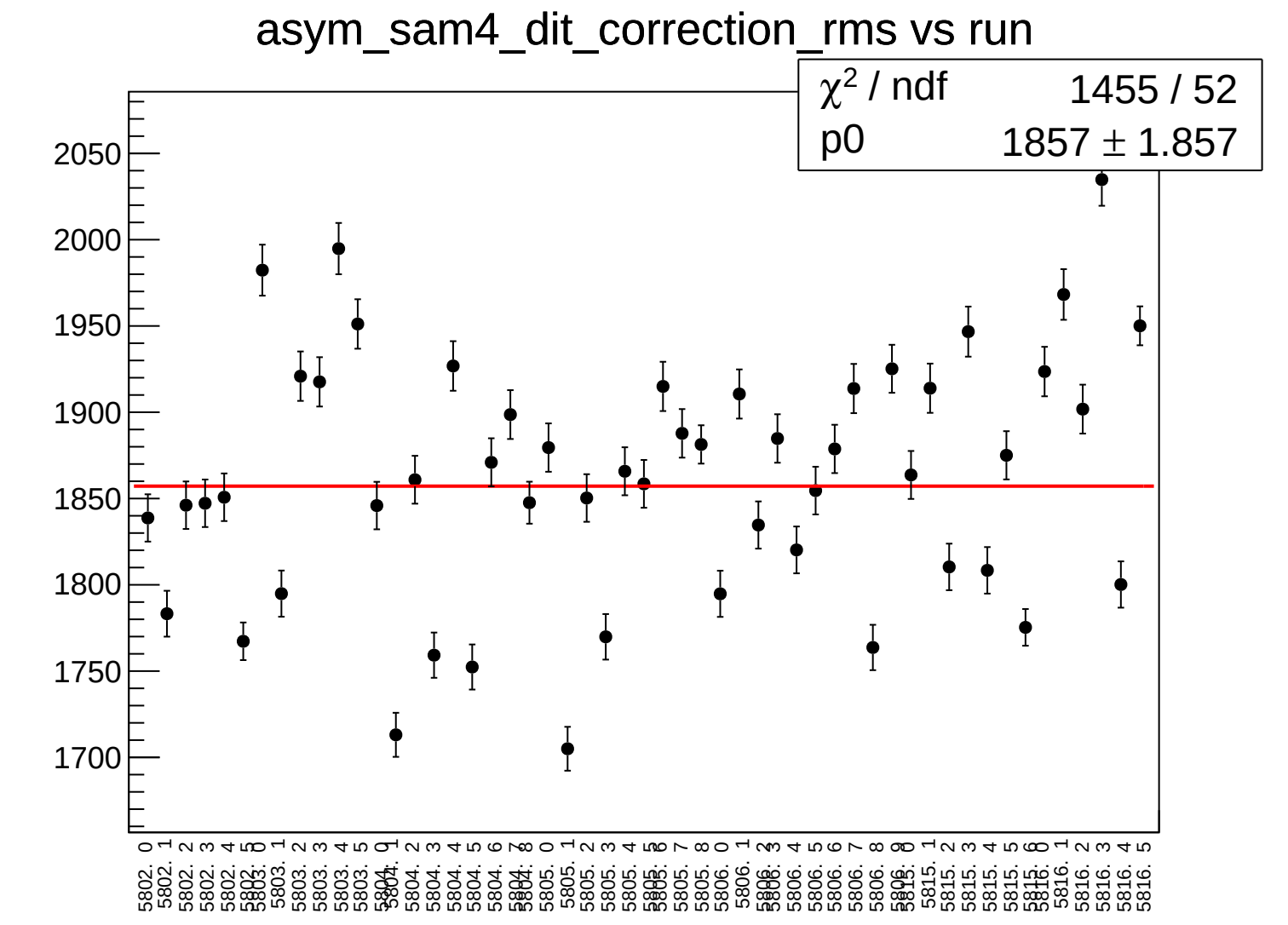

dit_asym_sam4_mean vs run
χ² / ndf 36.65 / 52
p0 295.6 ± 273.4
pull
Entries 53
Mean −114.4
Std Dev 0

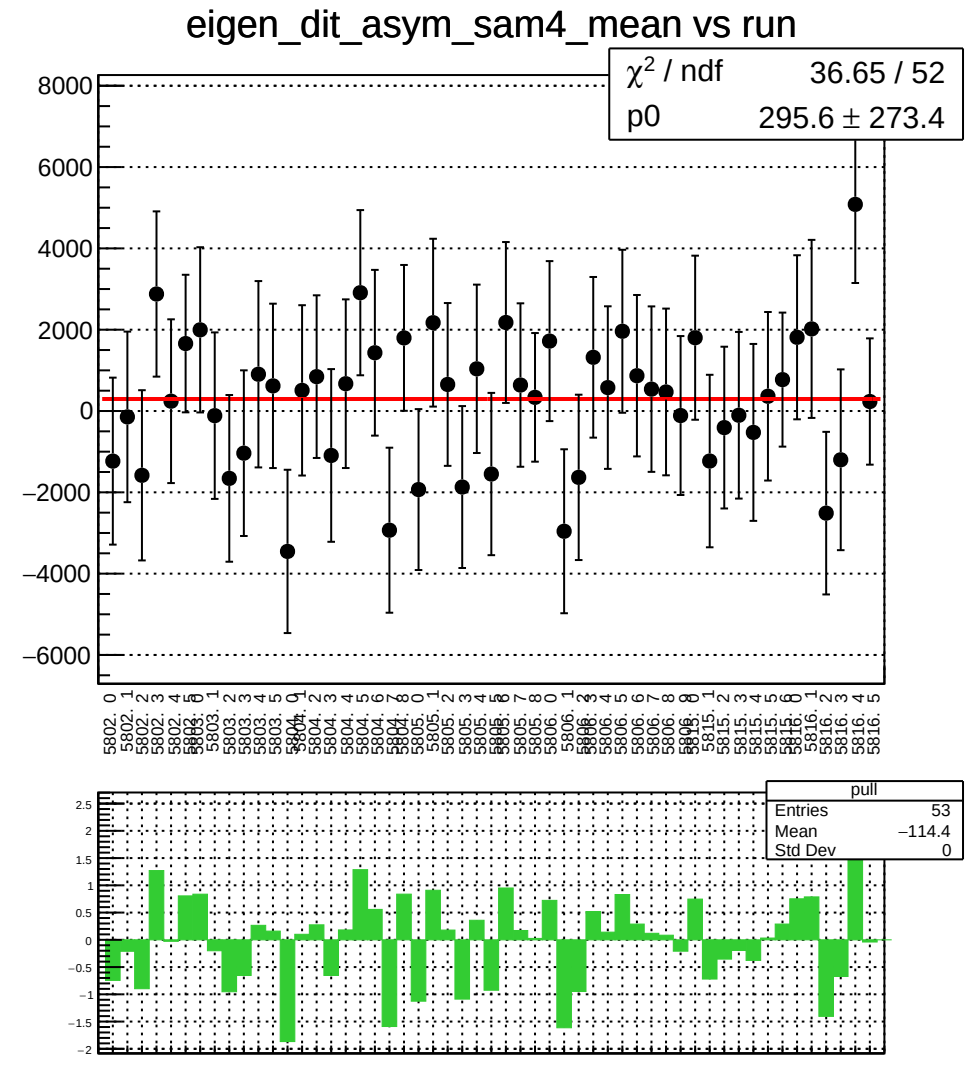

pull1D
Entries 53
Mean −0.009449
Std Dev 0.8316

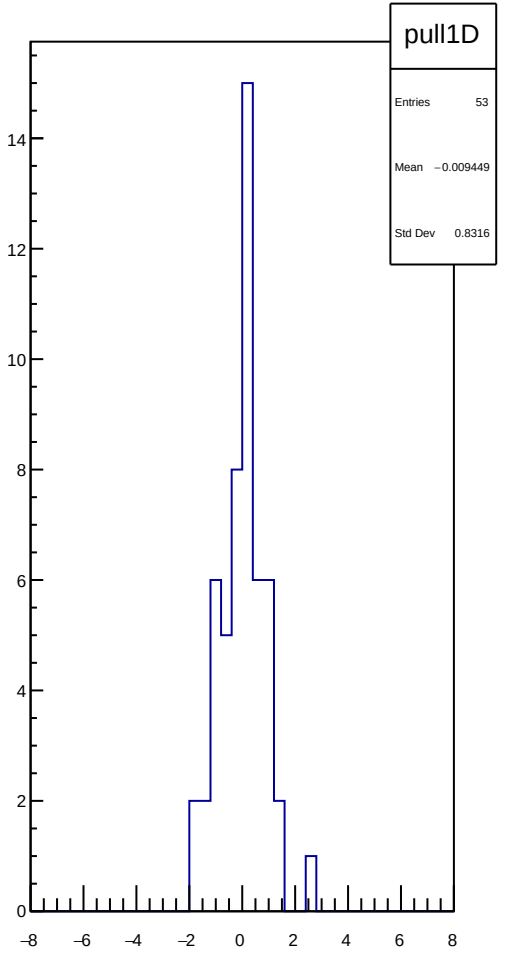

dit_asym_sam4_rms vs run
χ² / ndf 864.1 / 52
p0 193.4 ± 0.1933
220
215
210
205
200
195
190
185
180

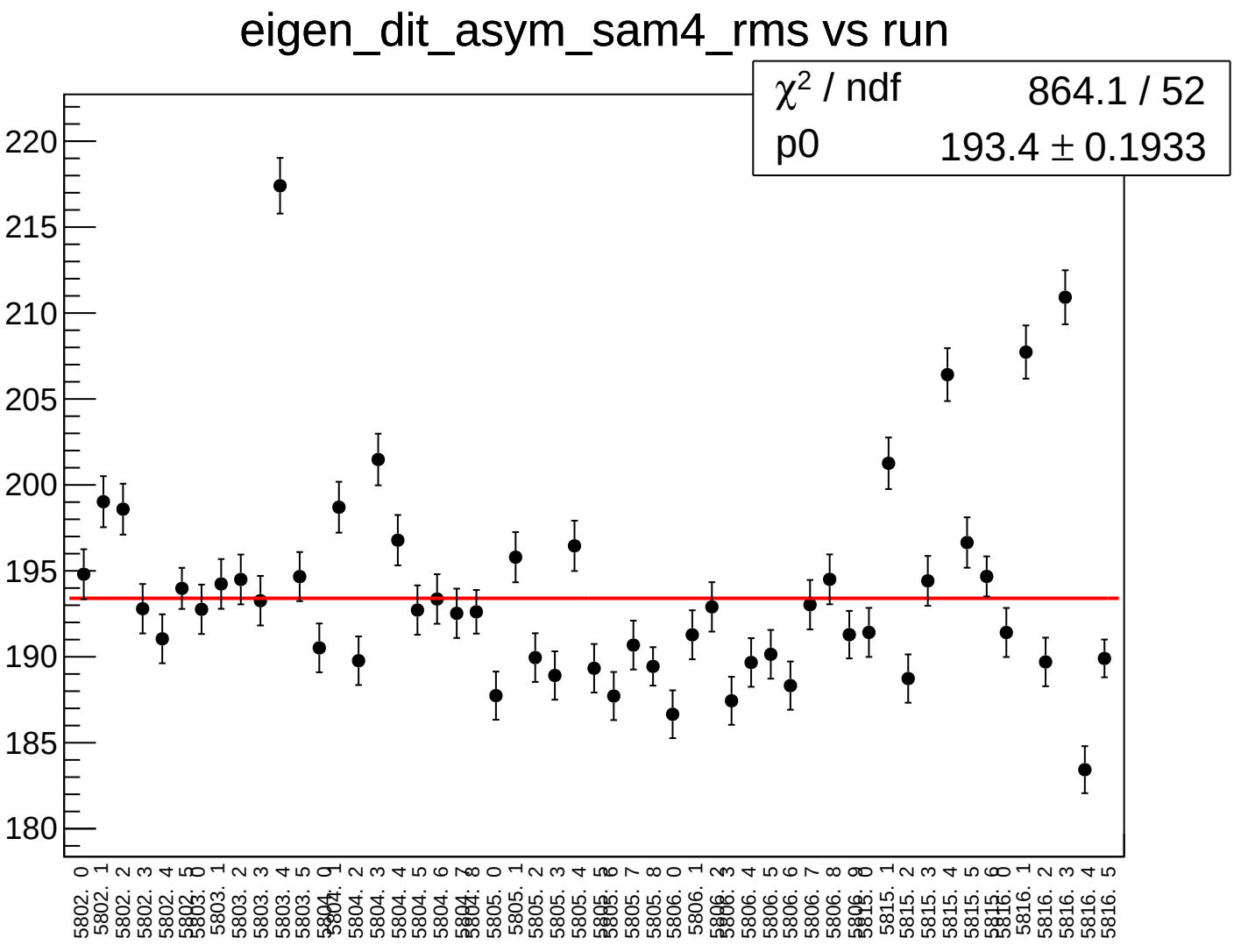

asym_sam4_dit_correction_mean vs run
χ² / ndf 53.93 / 52
p0 20.28 ± 2626
pull
Entries 53
Mean 1348
Std Dev 0

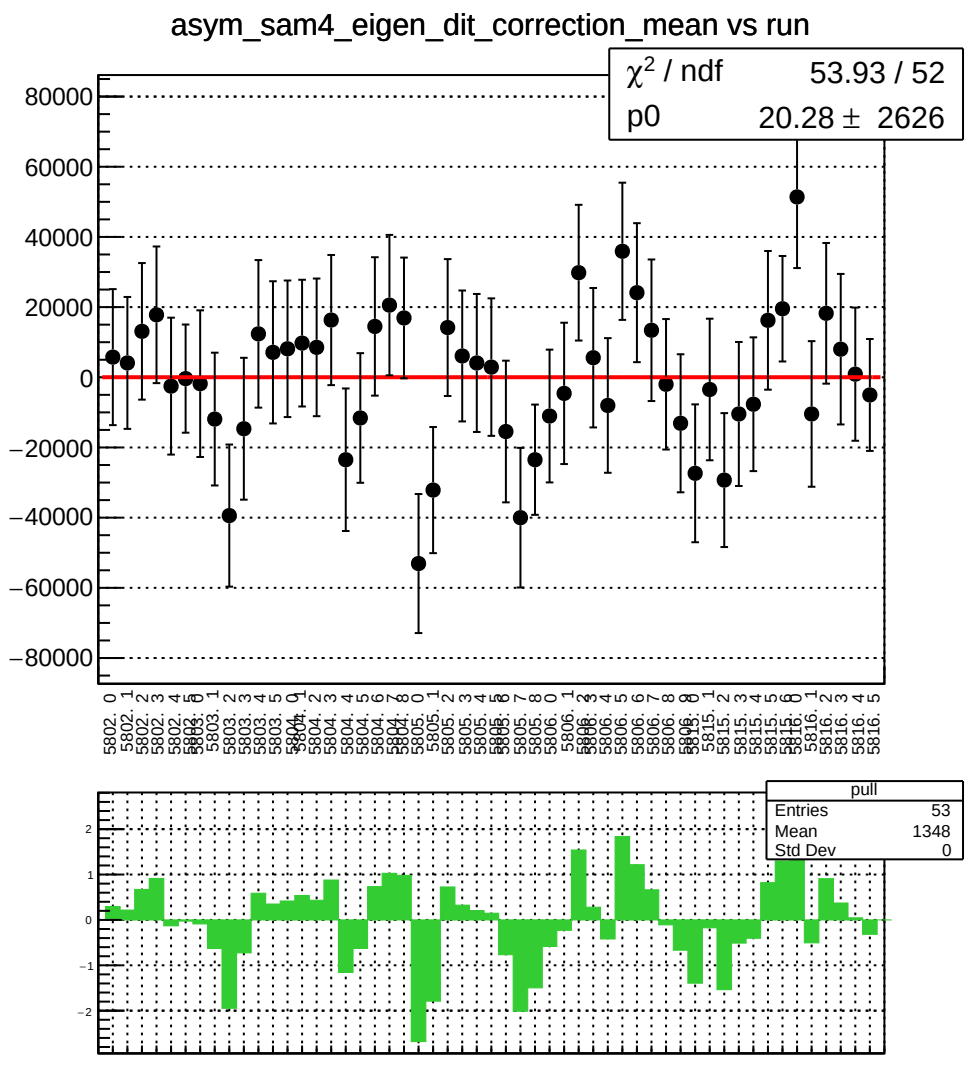

pull1D
Entries 53
Mean 0.0007516
Std Dev 1.009

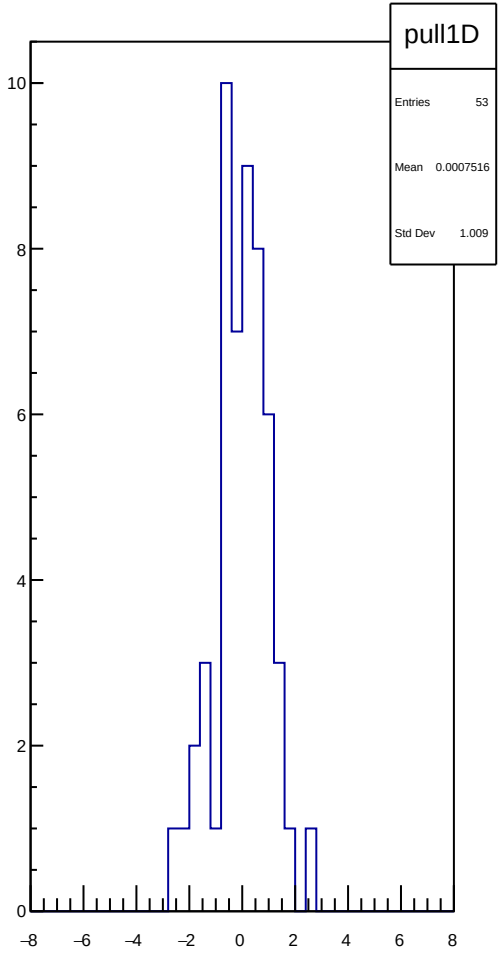

asym_sam4_dit_correction_rms vs run
χ² / ndf 1455 / 52
p0 1857 ± 1.857
2050
2000
1950
1900
1850
1800
1750
1700

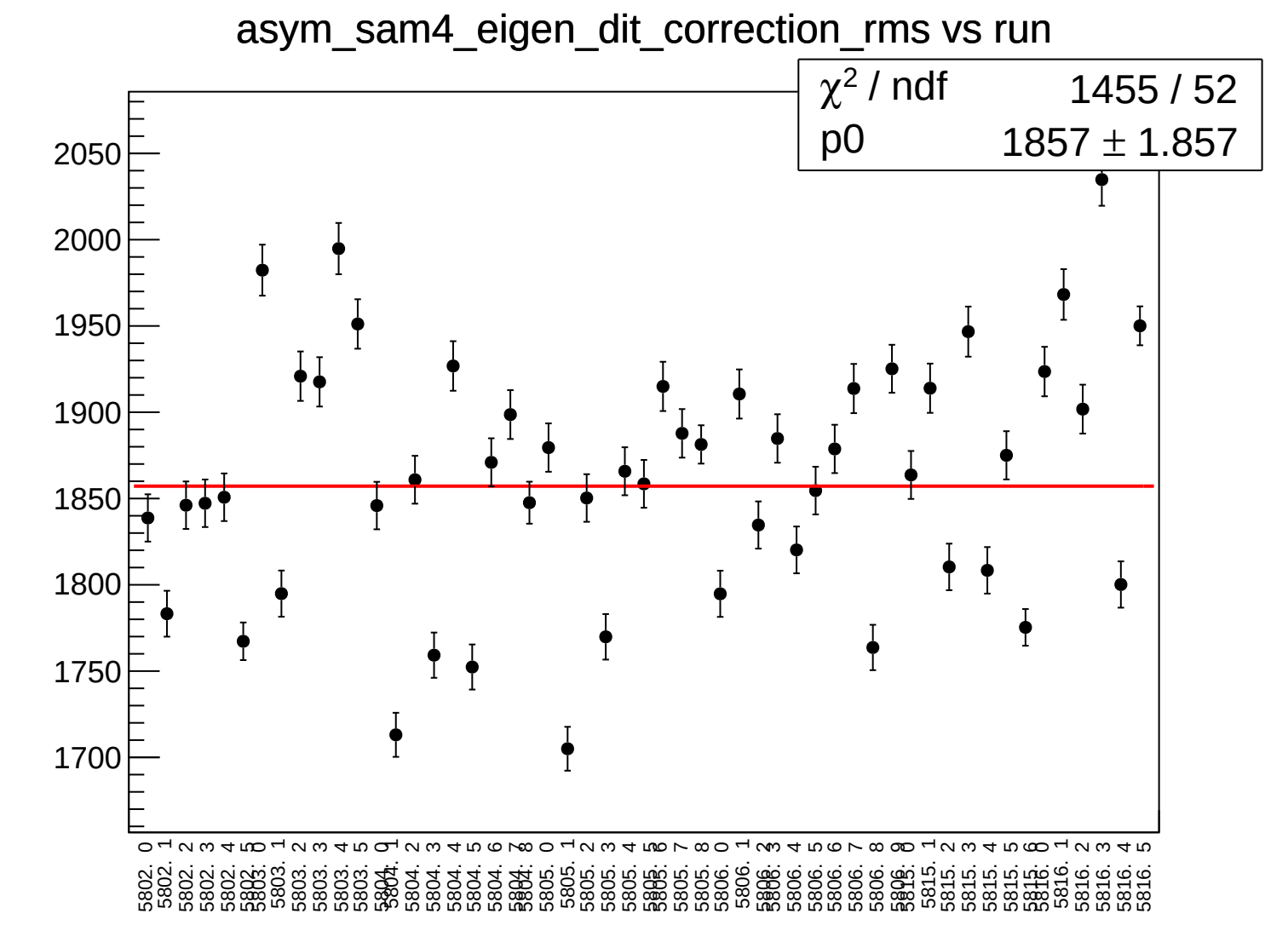

eigen_dit_asym_sam4_mean vs run
χ² / ndf 36.65 / 52
p0 295.6 ± 273.4
pull
Entries 53
Mean −114.4
Std Dev 0

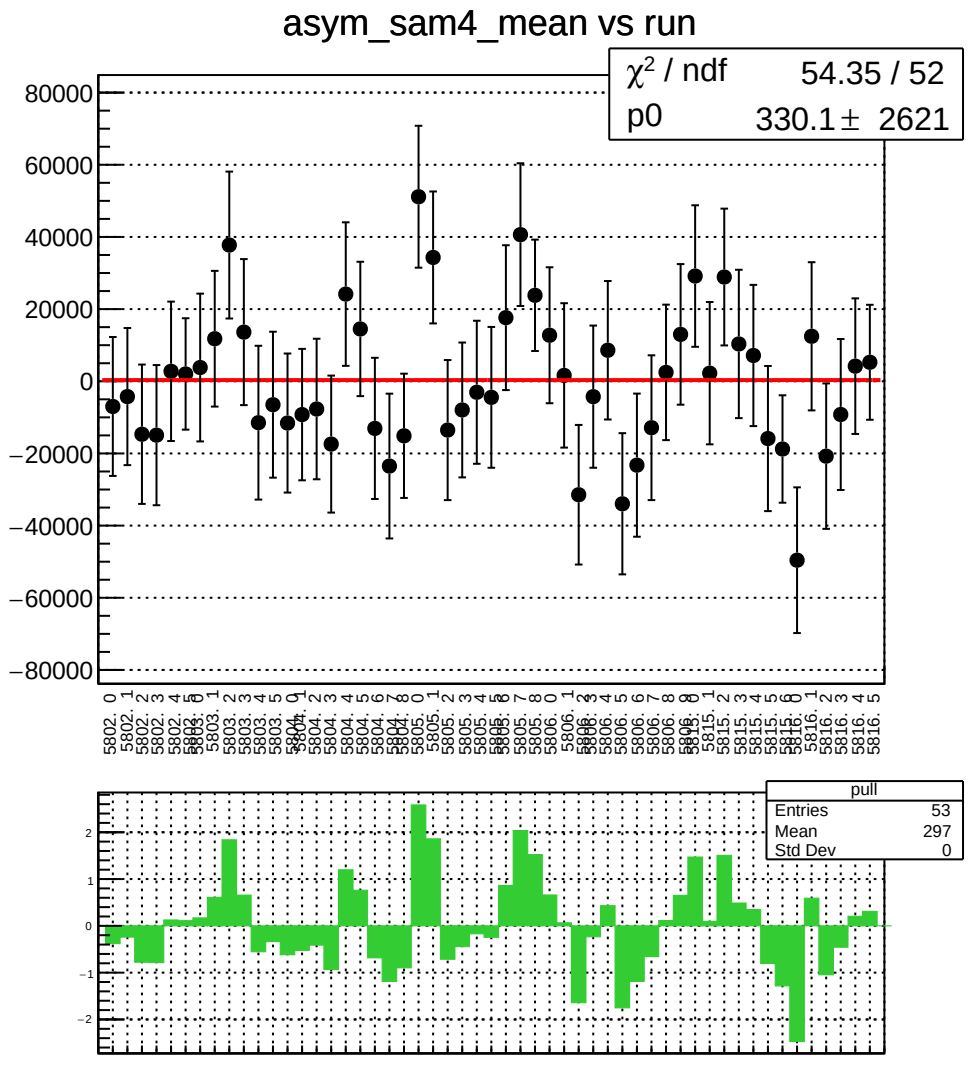

pull1D
Entries 53
Mean −0.009449
Std Dev 0.8316

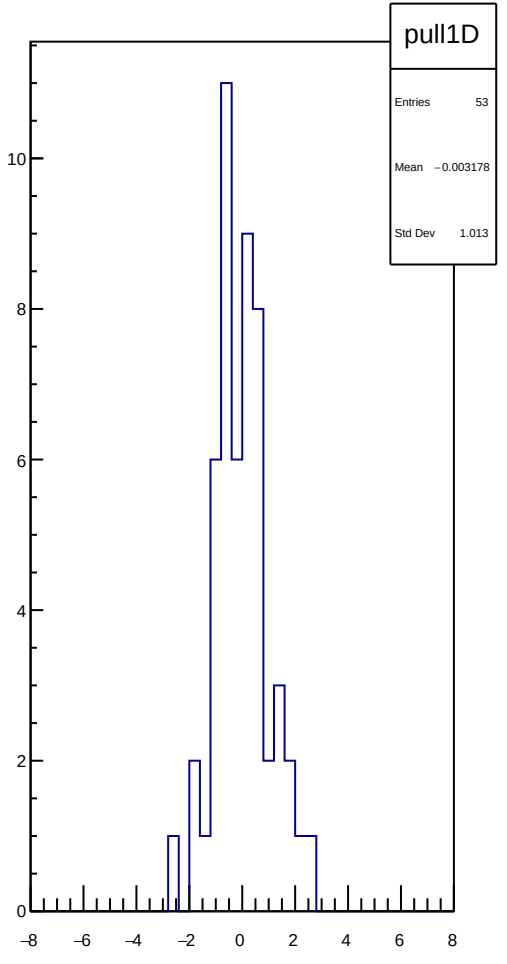

eigen_dit_asym_sam4_rms vs run
χ² / ndf 864.1 / 52
p0 193.4 ± 0.1933
220
215
210
205
200
195
190
185
180

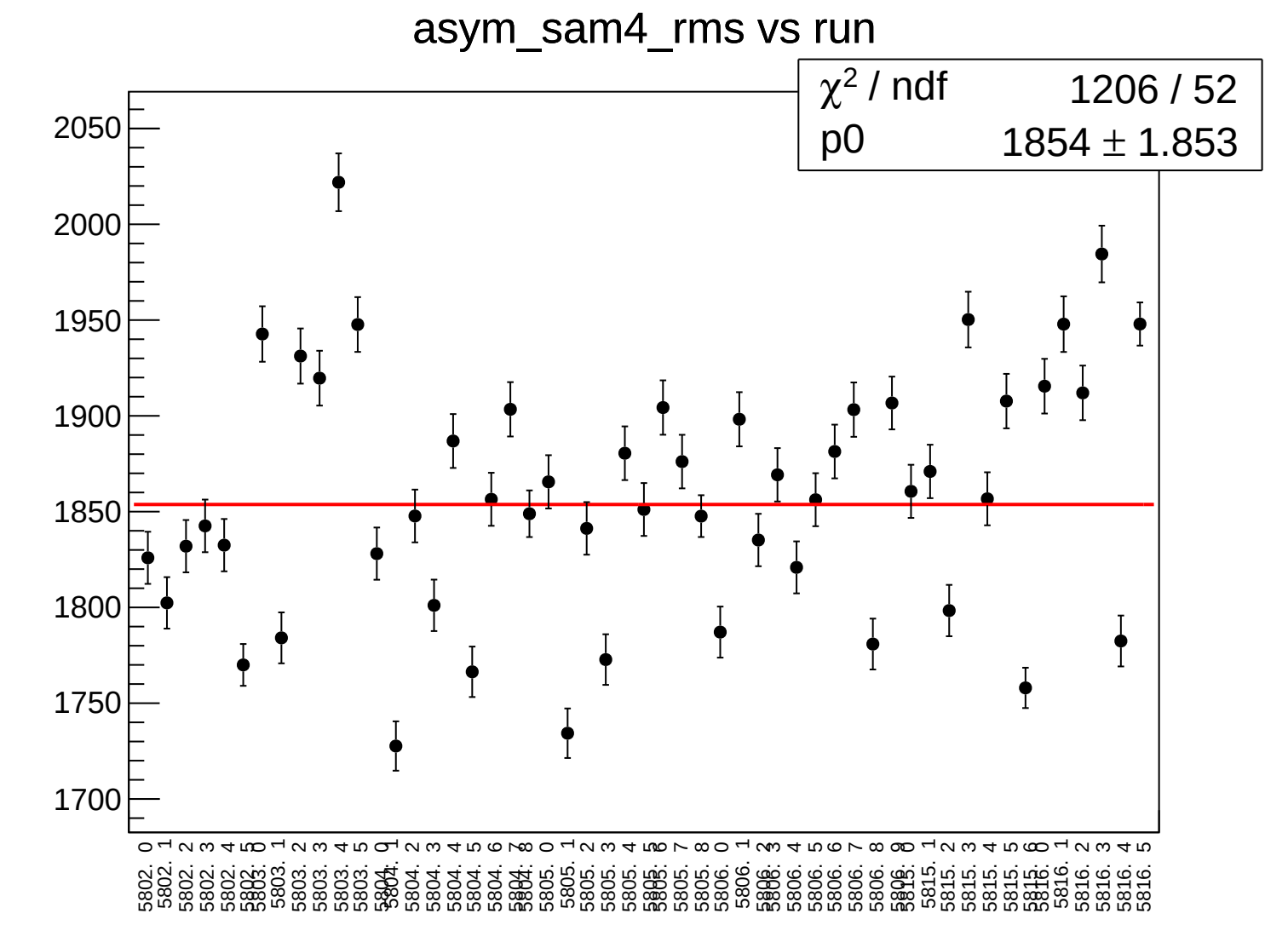

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 53.93 / 52
p0 20.28 ± 2626
pull
Entries 53
Mean 1348
Std Dev 0

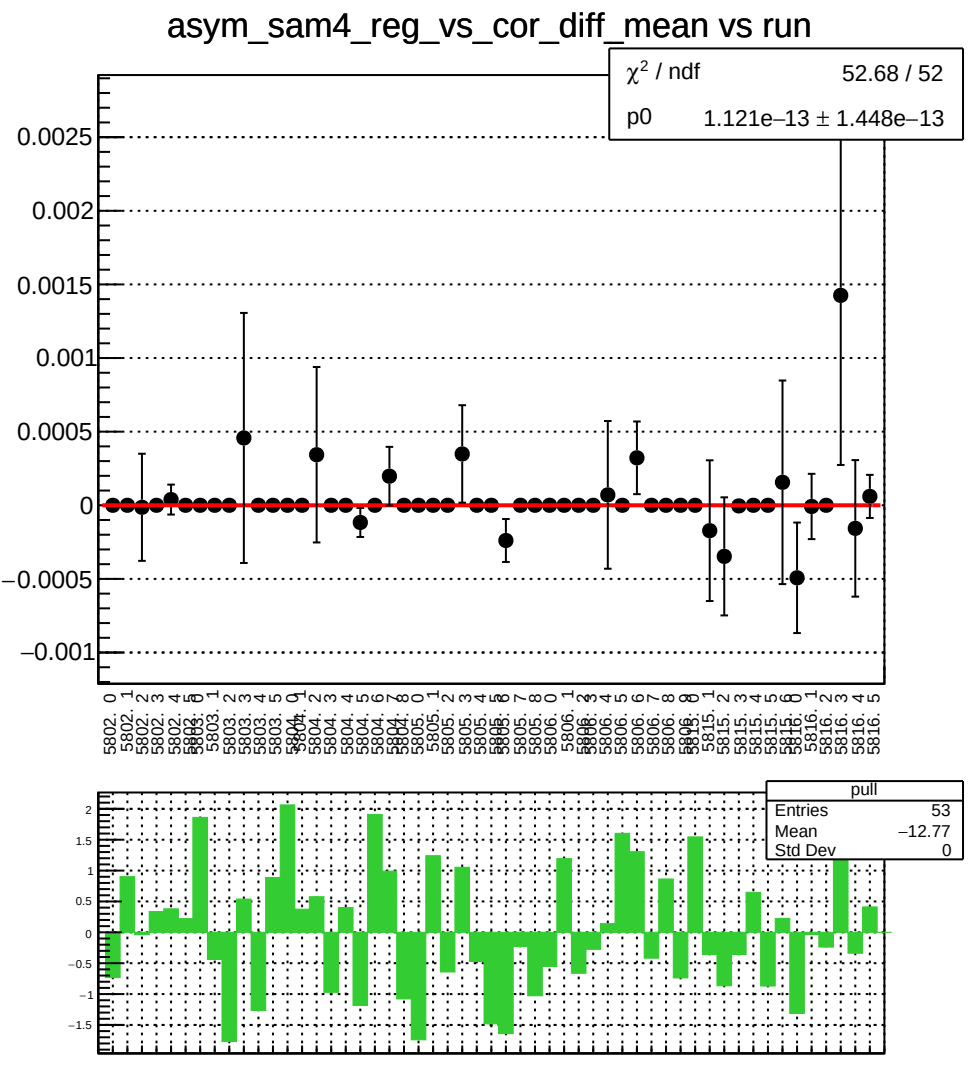

pull1D
Entries 53
Mean 0.0007516
Std Dev 1.009

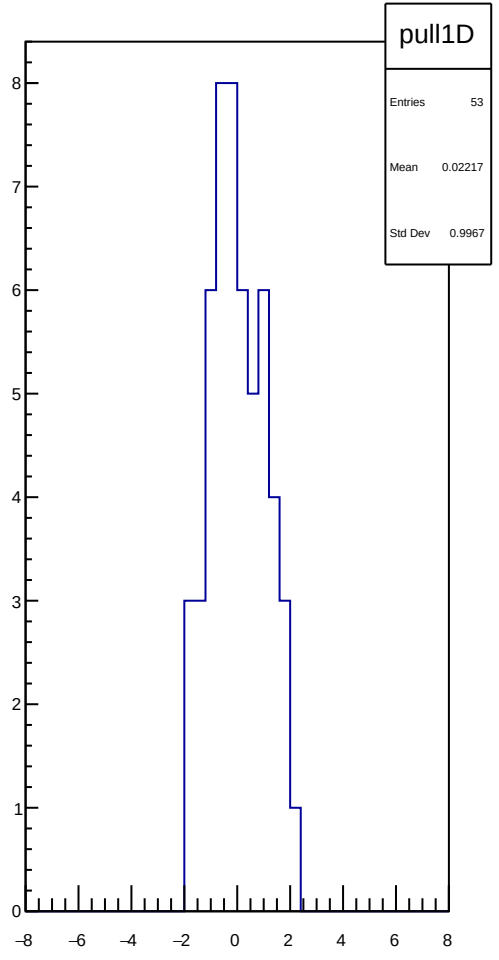

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1455 / 52
p0 1857 ± 1.857
2050
2000
1950
1900
1850
1800
1750
1700

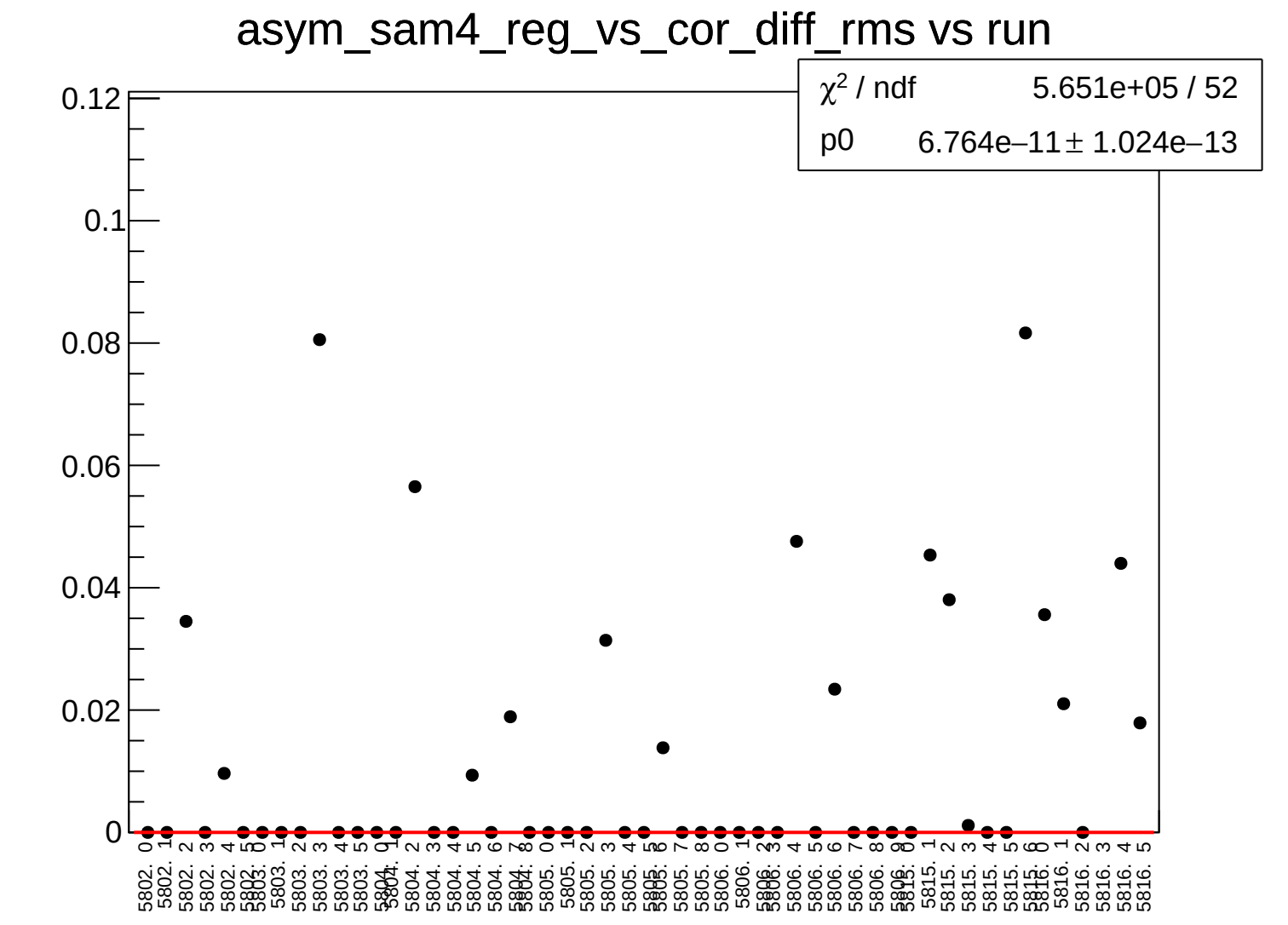

asym_sam4_mean vs run
χ² / ndf 54.35 / 52
p0 330.1 ± 2621
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean 297
Std Dev 0
2
1
0
−1
−2

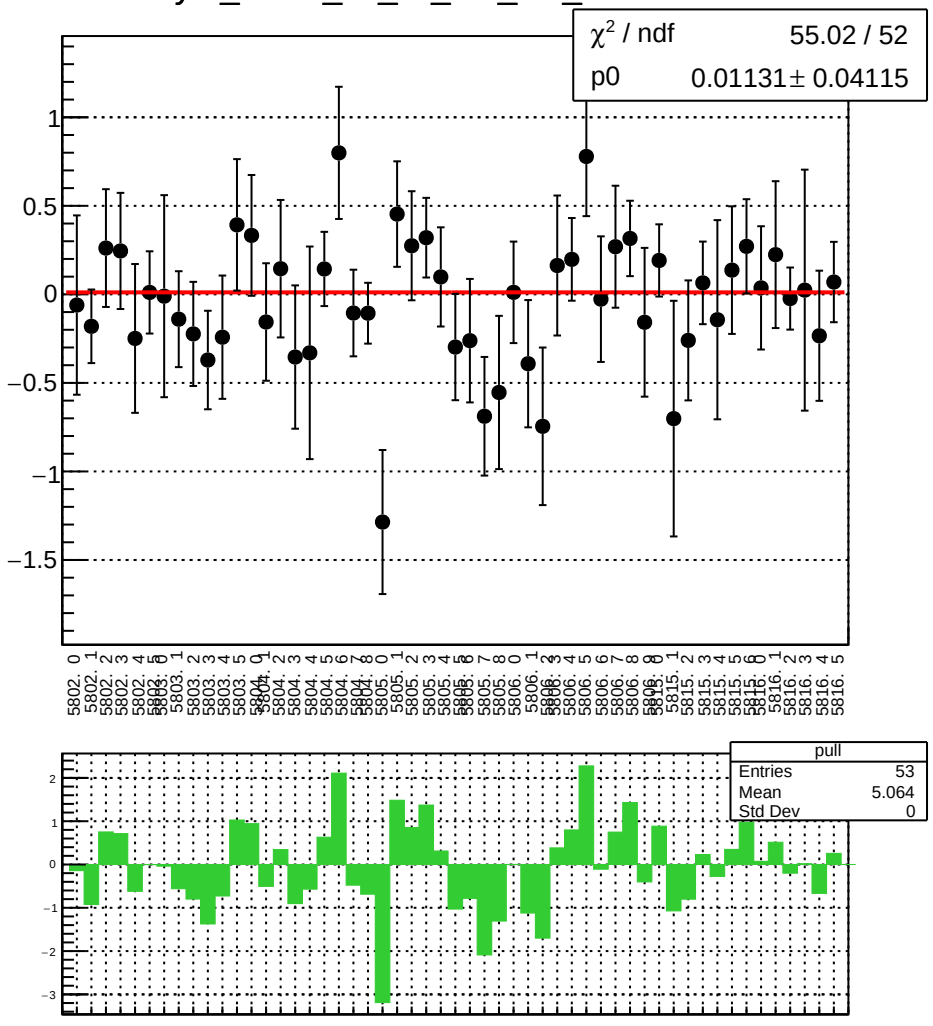

pull1D
Entries 53
Mean −0.003178
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

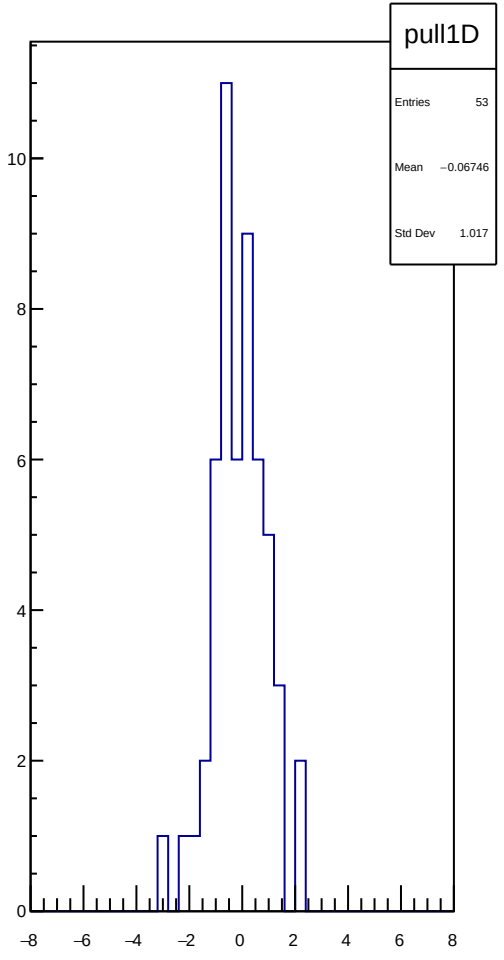

asym_sam4_rms vs run
χ² / ndf 1206 / 52
p0 1854 ± 1.853
2050
2000
1950
1900
1850
1800
1750
1700

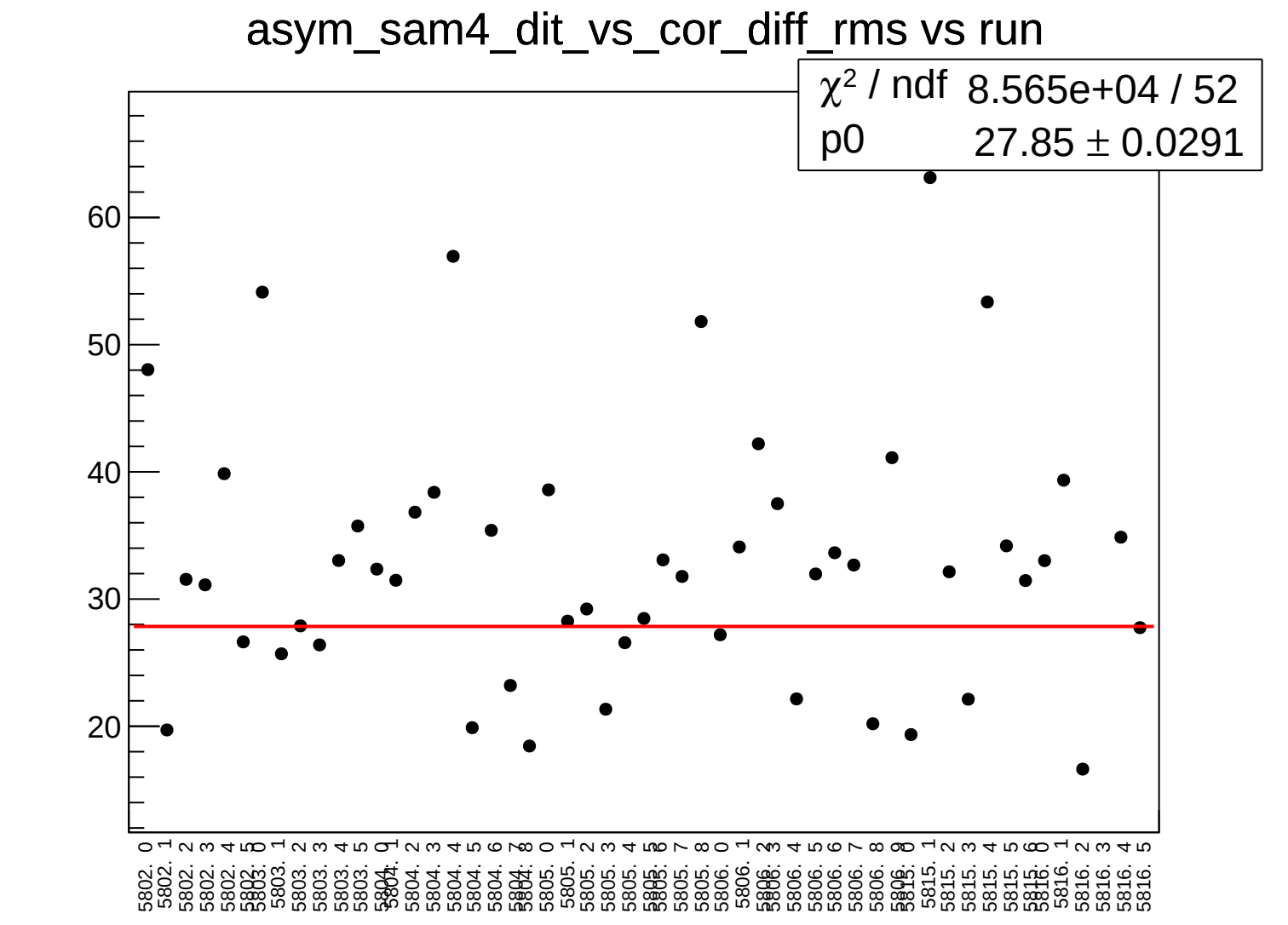

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 52.68 / 52
p0 1.121e−13 ± 1.448e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 53
Mean −12.77
Std Dev 0

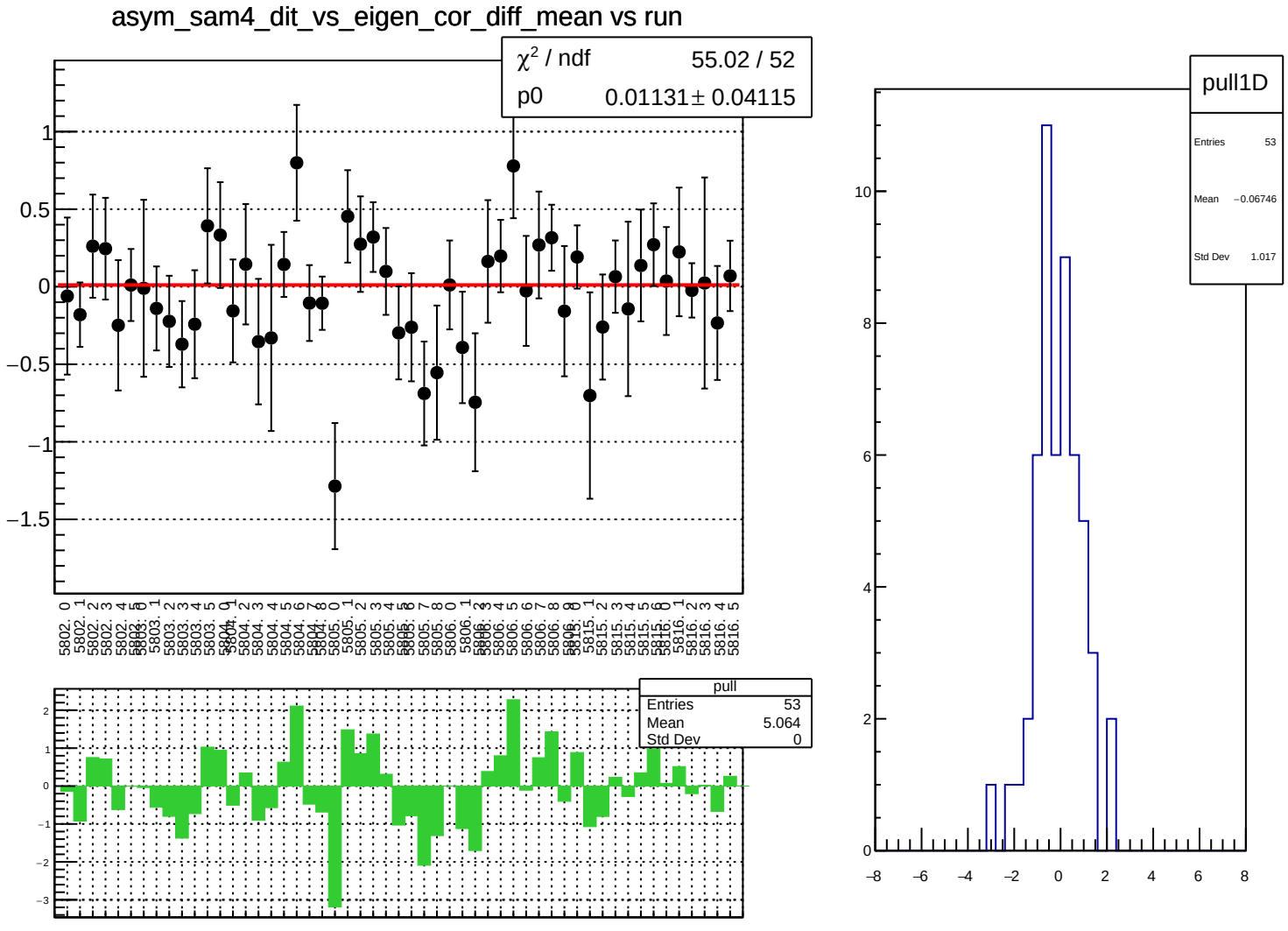

pull1D
Entries 53
Mean 0.02217
Std Dev 0.9967

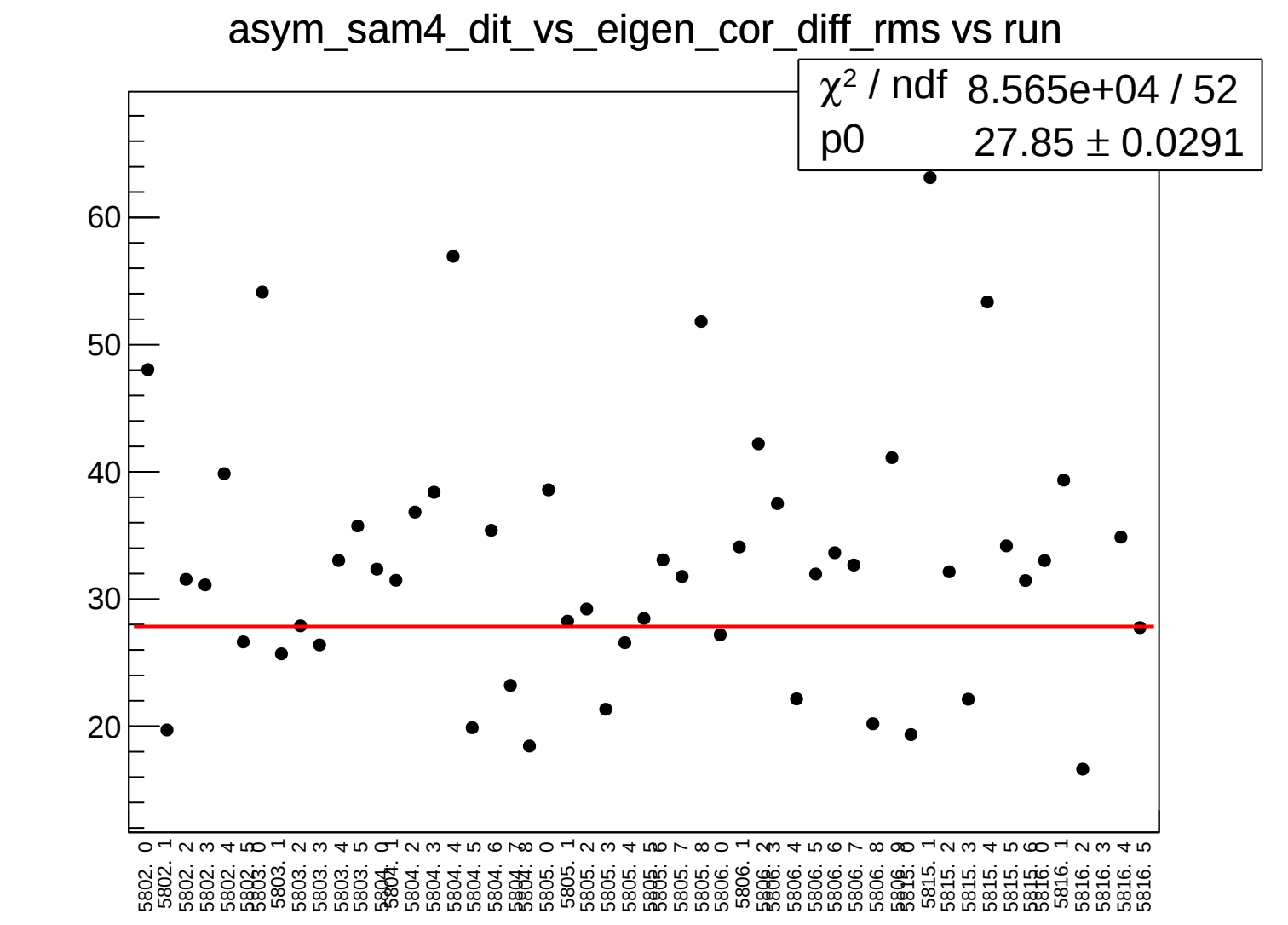

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.651e+05 / 52
p0 6.764e−11 ± 1.024e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

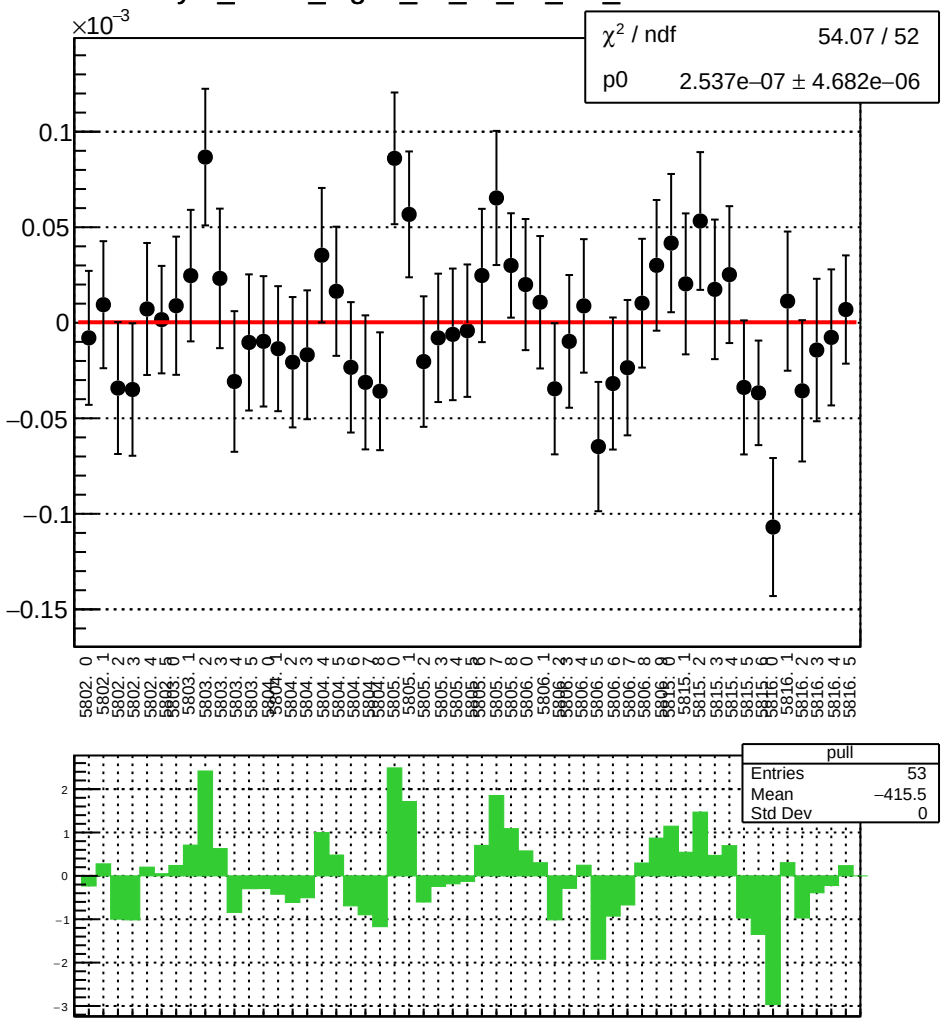

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 55.02 / 52
p0 0.01131 ± 0.04115
pull
Entries 53
Mean 5.064
Std Dev 0

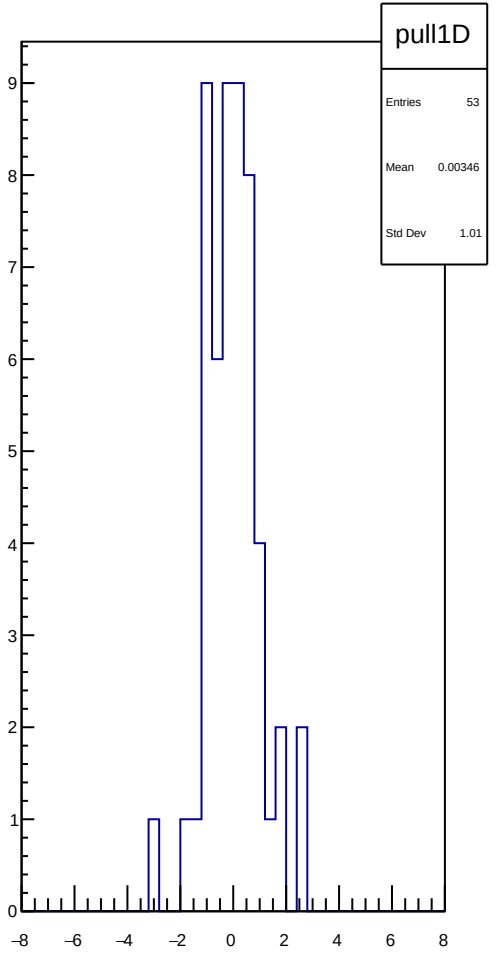

pull1D
Entries 53
Mean −0.06746
Std Dev 1.017

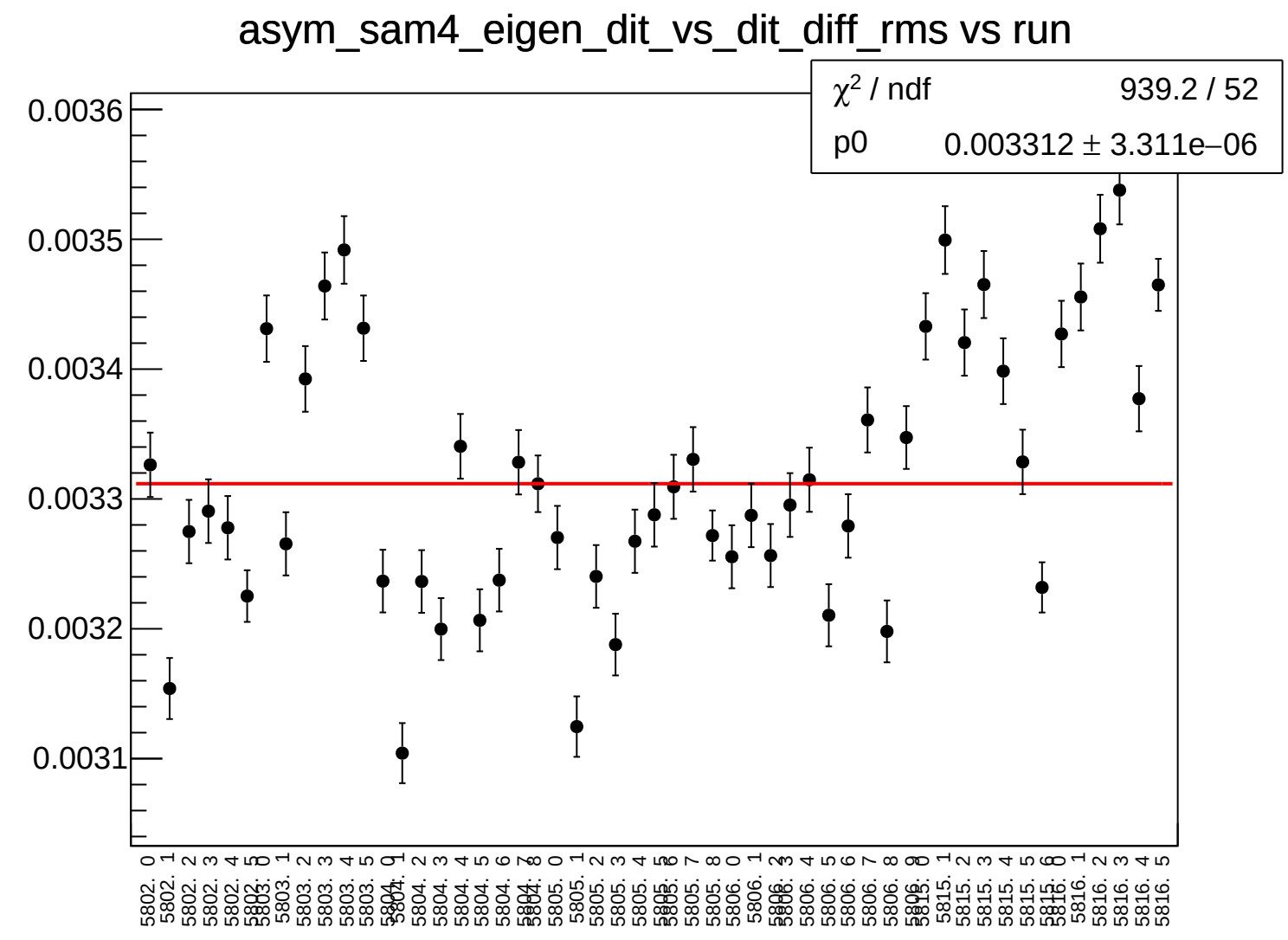

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 8.565e+04 / 52
p0 27.85 ± 0.0291
60
50
40
30
20

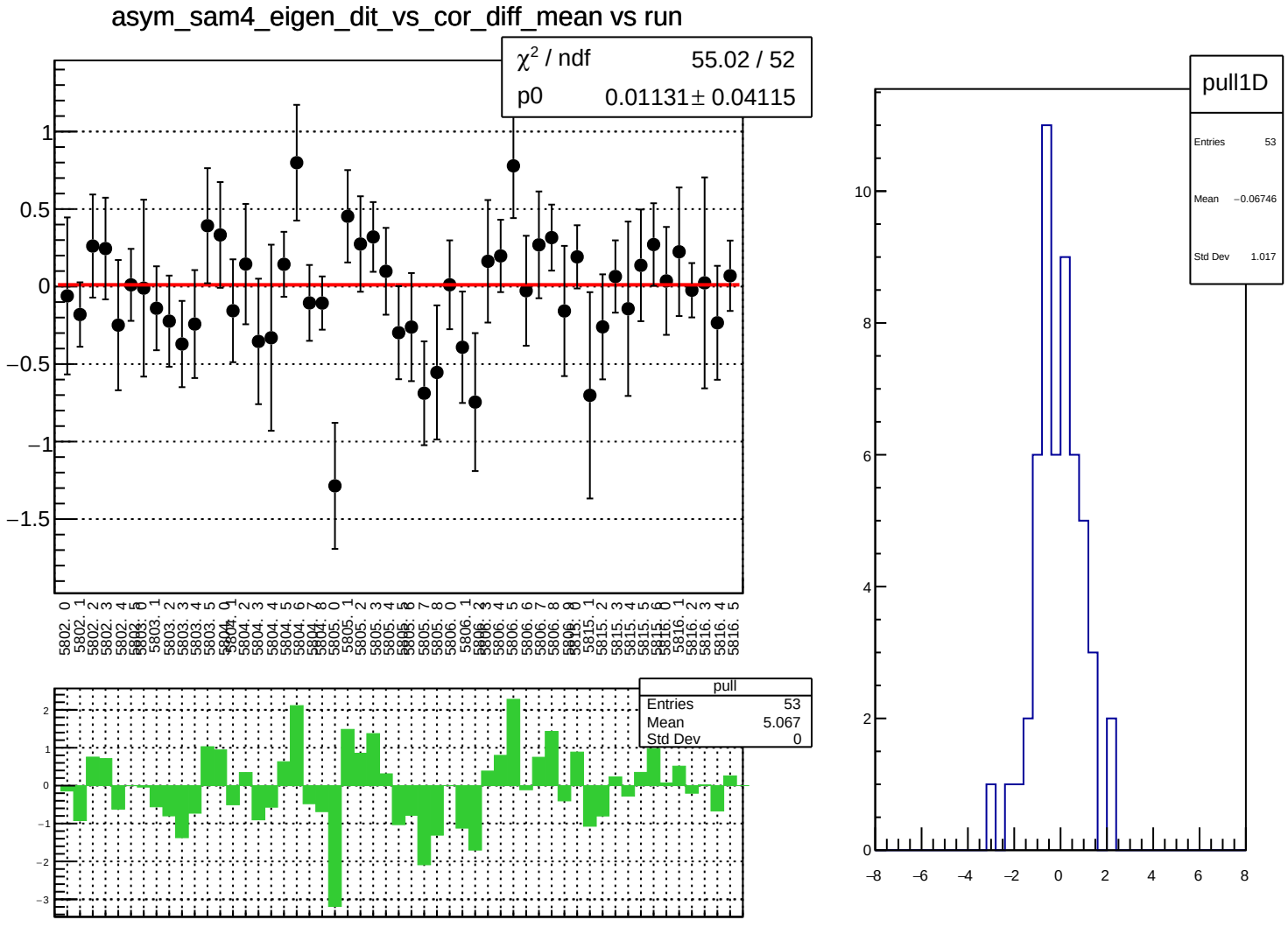

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.02 / 52
p0 0.01131± 0.04115
pull
Entries 53
Mean 5.064
Std Dev 0
pull1D
Entries 53
Mean −0.06746
Std Dev 1.017

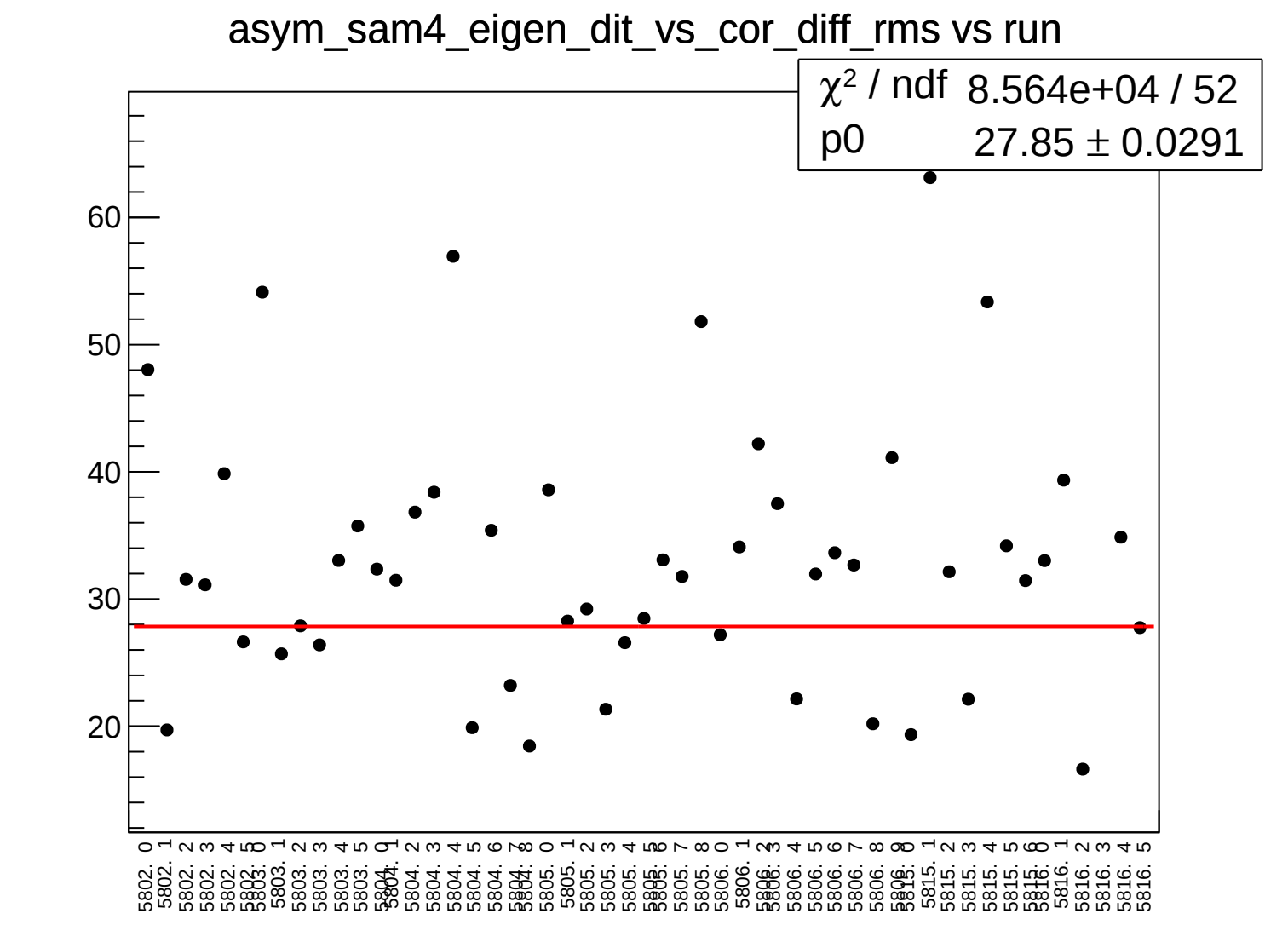

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.565e+04 / 52
p0 27.85 ± 0.0291
60
50
40
30
20

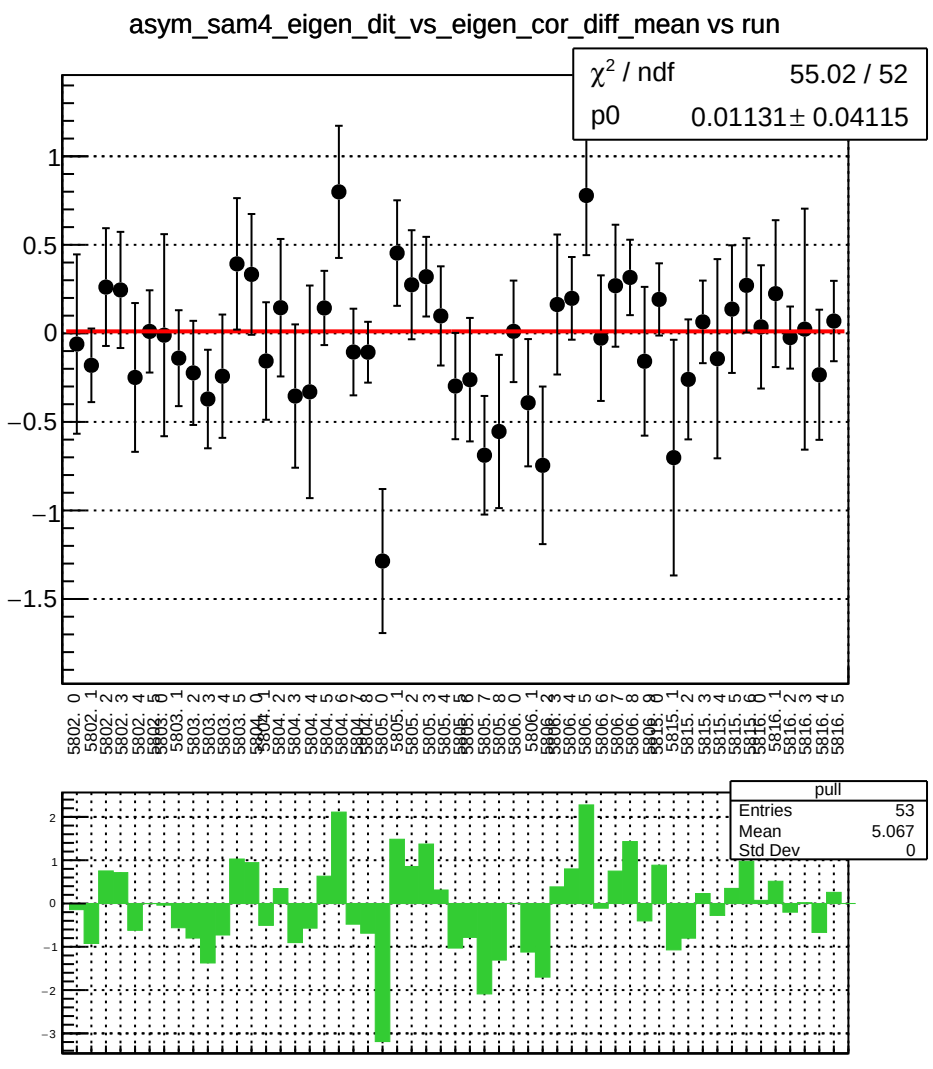

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.07 / 52
p0 2.537e−07 ± 4.682e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 53
Mean −415.5
Std Dev 0
2
1
0
−1
−2
−3

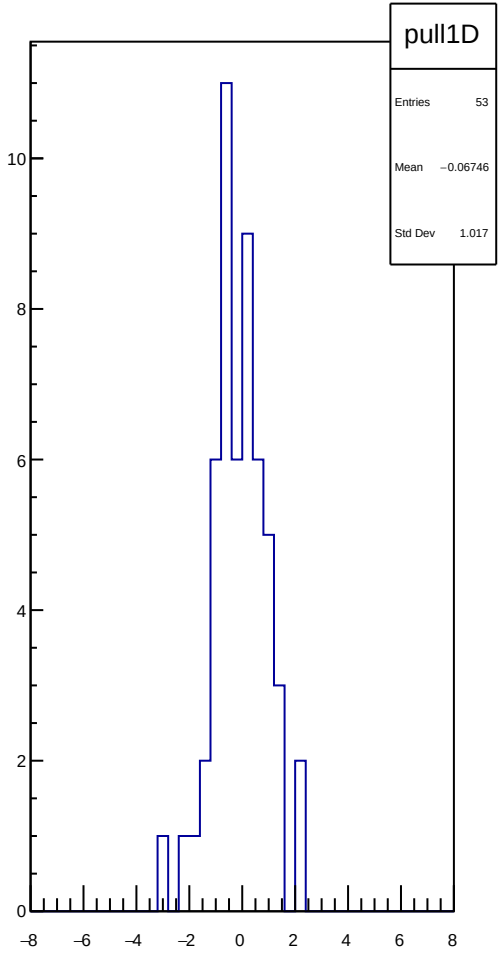

pull1D
Entries 53
Mean 0.00346
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

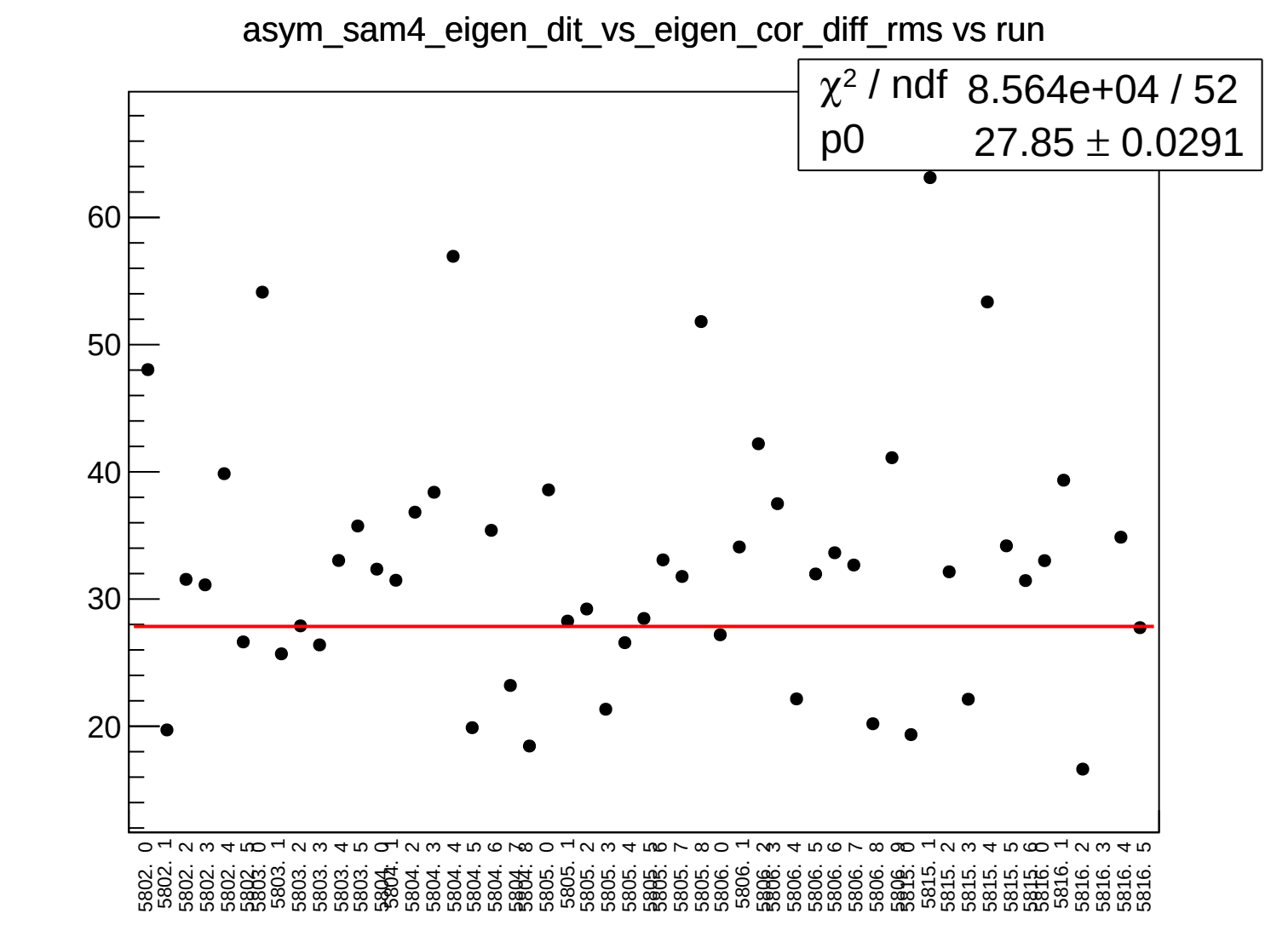

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 939.2 / 52
p0 0.003312 ± 3.311e−06
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031

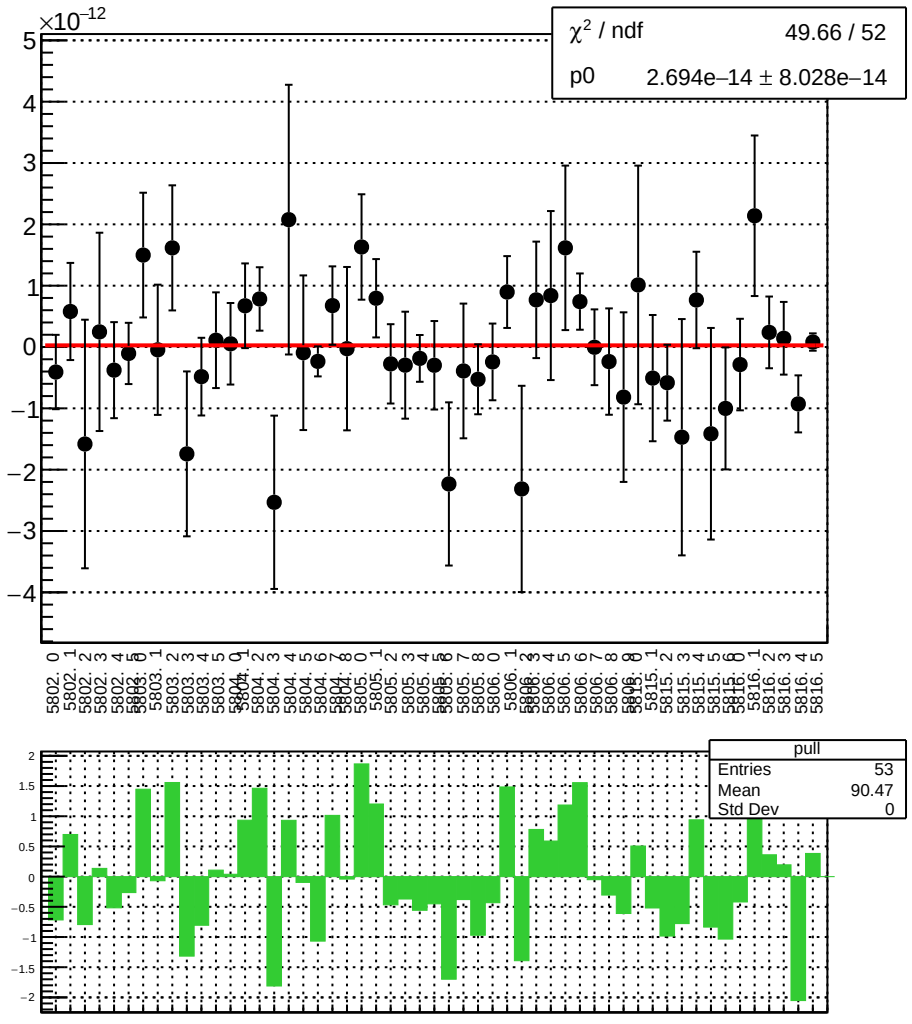

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.02 / 52
p0 0.01131 ± 0.04115
pull
Entries 53
Mean 5.067
Std Dev 0
pull1D
Entries 53
Mean −0.06746
Std Dev 1.017

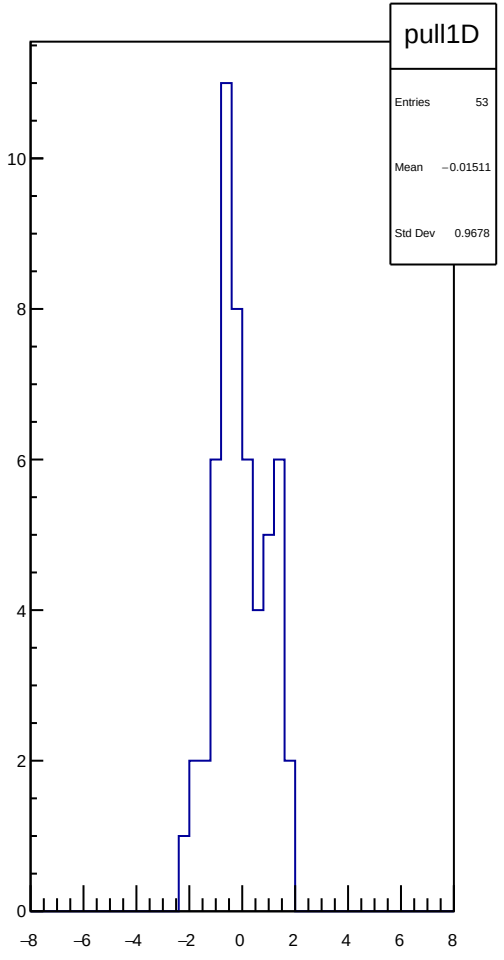

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.564e+04 / 52
p0 27.85 ± 0.0291
60
50
40
30
20

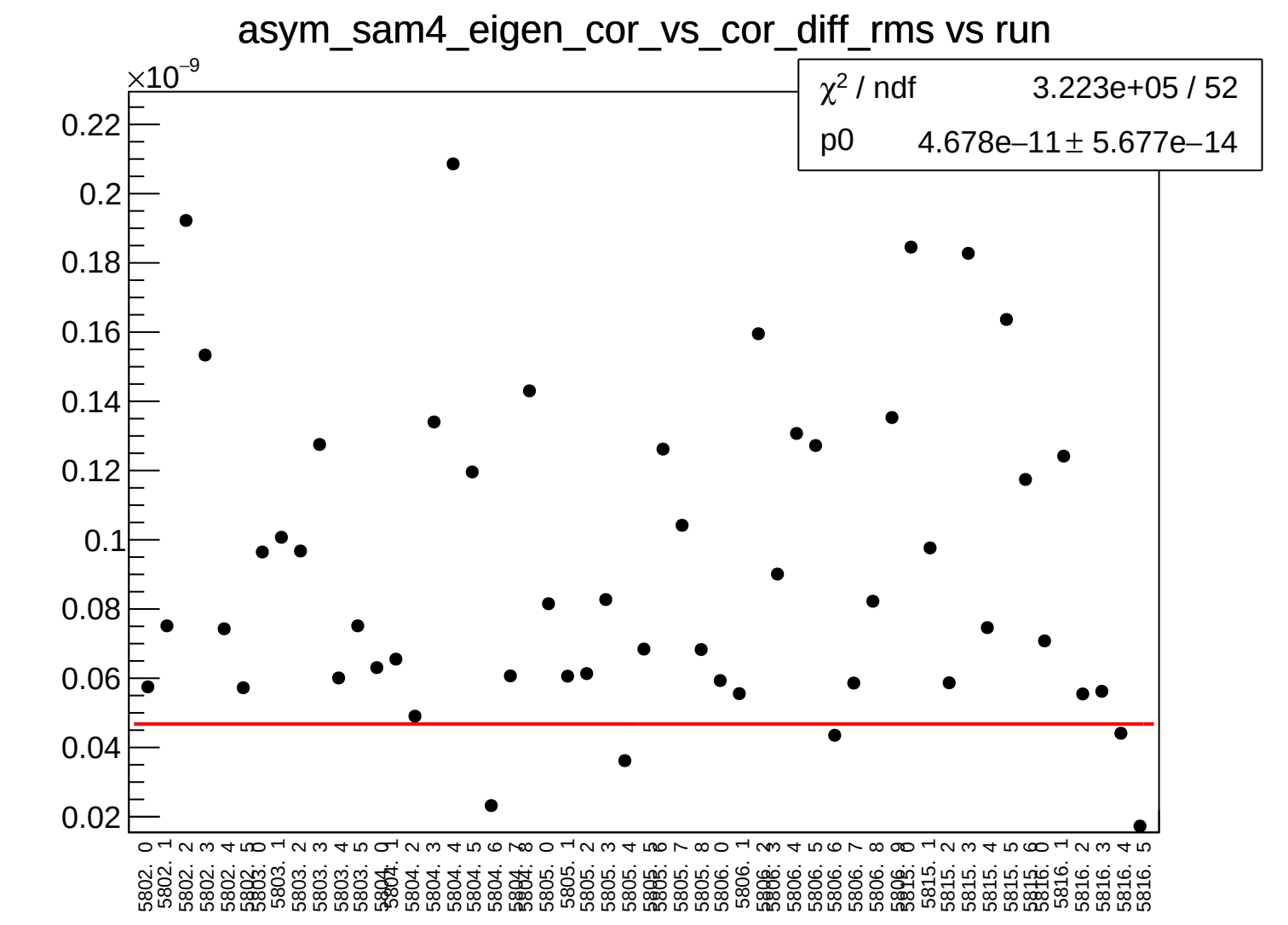

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.02 / 52
p0 0.01131± 0.04115
pull
Entries 53
Mean 5.067
Std Dev 0

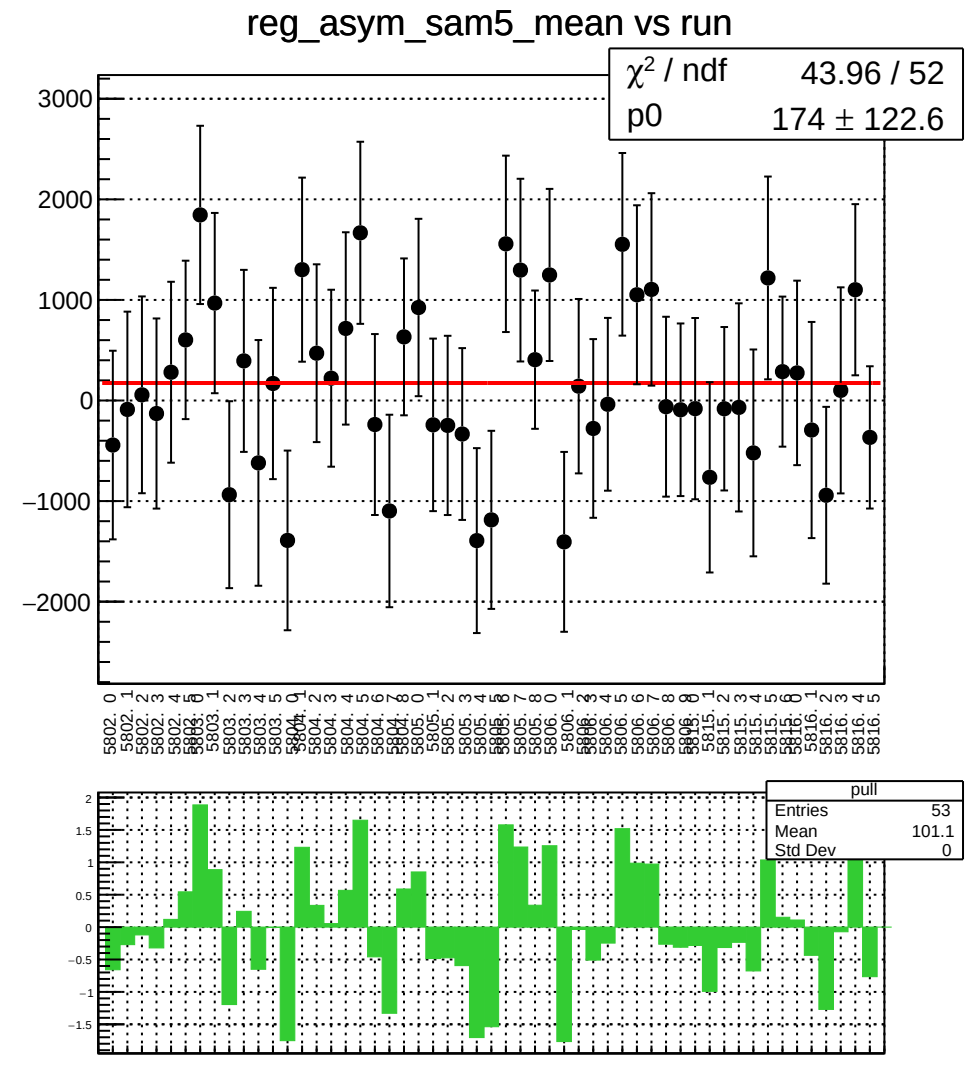

pull1D
Entries 53
Mean −0.06746
Std Dev 1.017

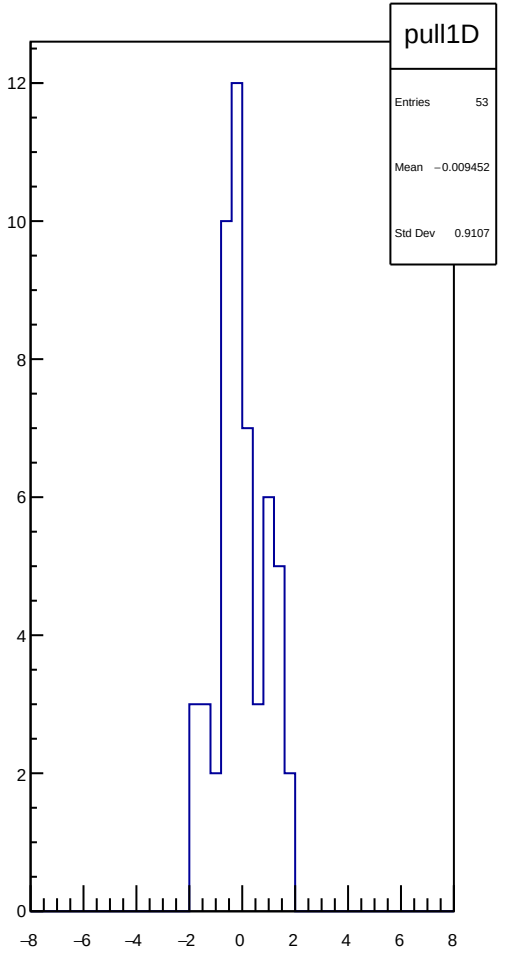

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.564e+04 / 52
p0 27.85 ± 0.0291
60
50
40
30
20

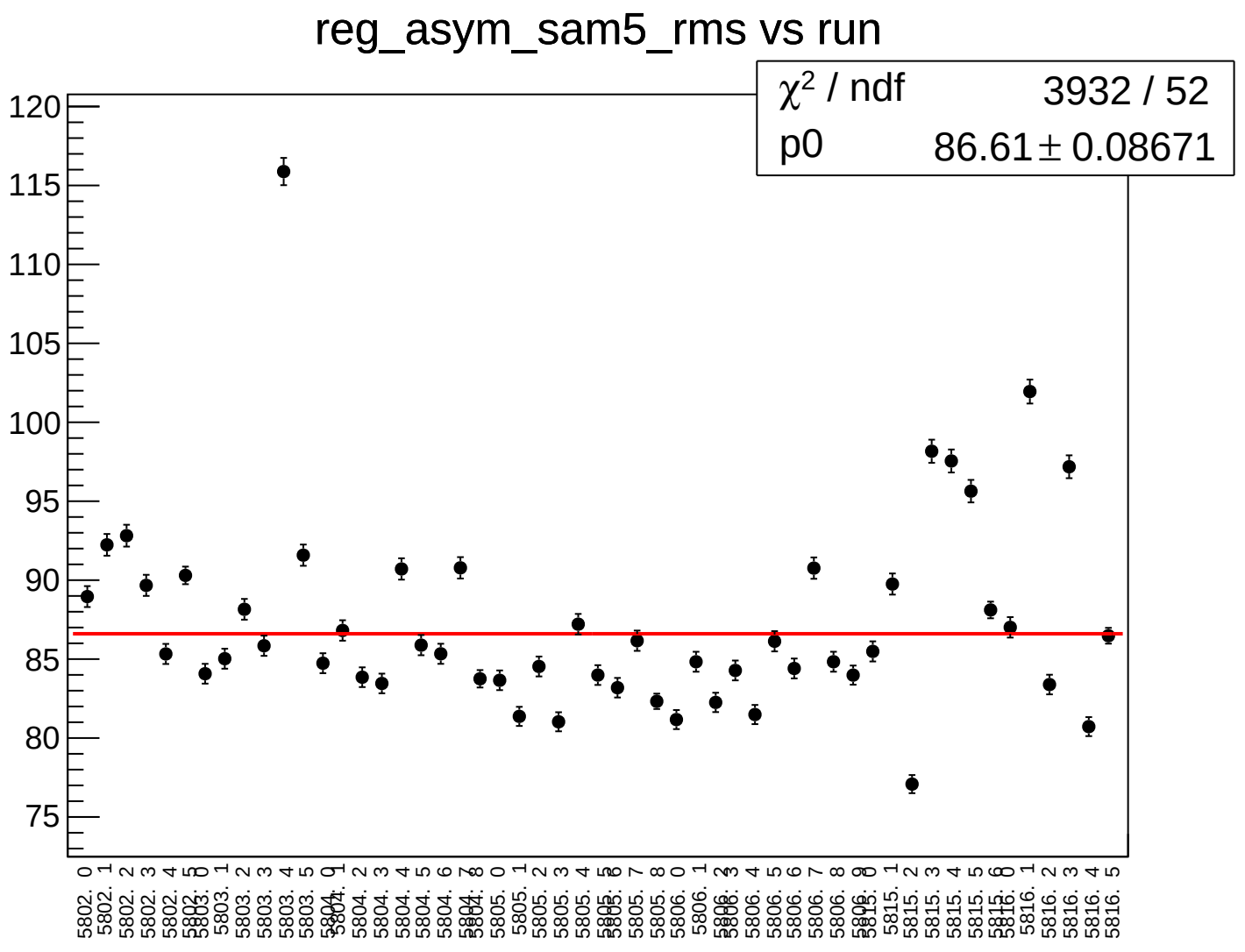

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.66 / 52
p0 2.694e−14 ± 8.028e−14
pull
Entries 53
Mean 90.47
Std Dev 0

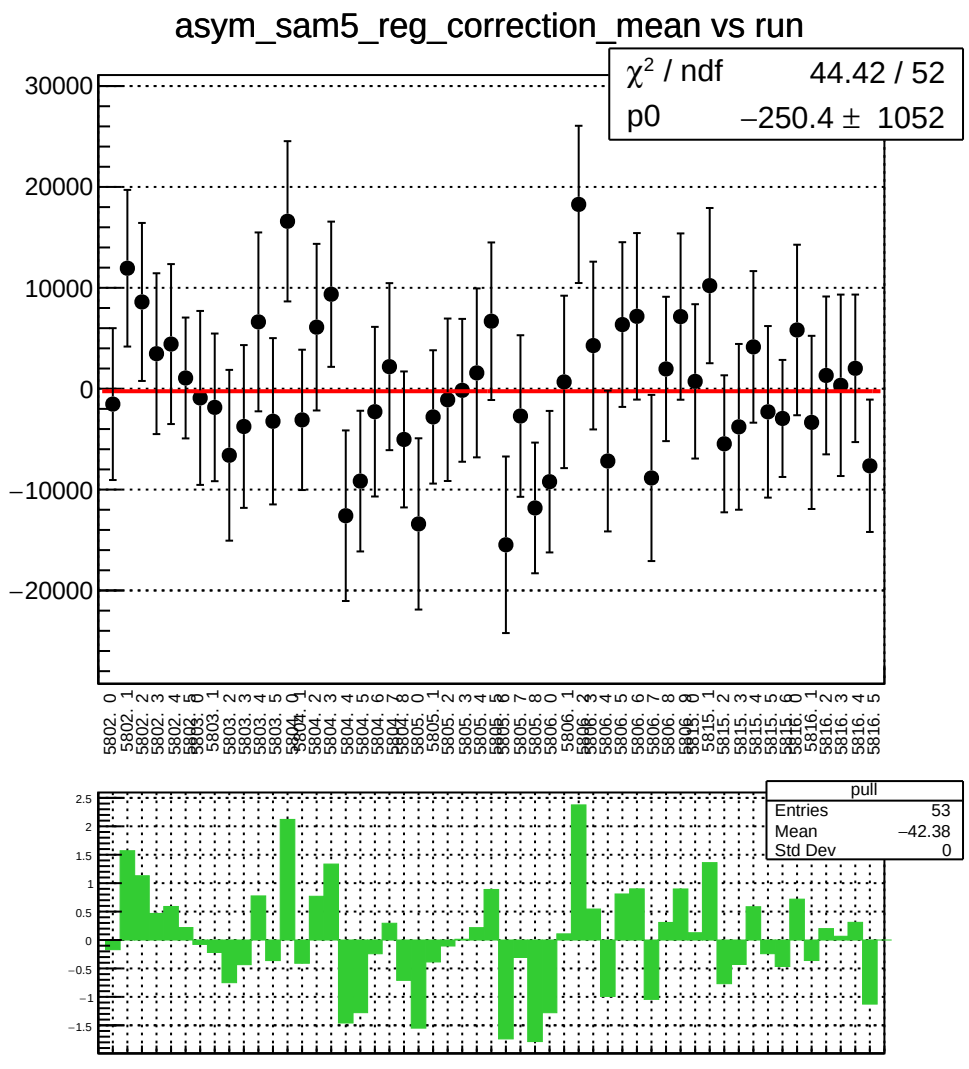

pull1D
Entries 53
Mean −0.01511
Std Dev 0.9678

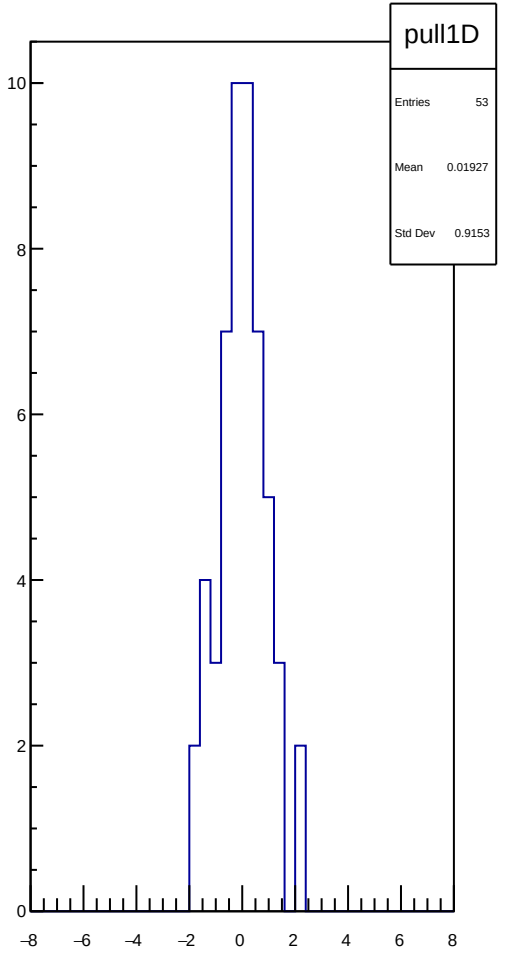

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.223e+05 / 52
p0 4.678e−11 ± 5.677e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

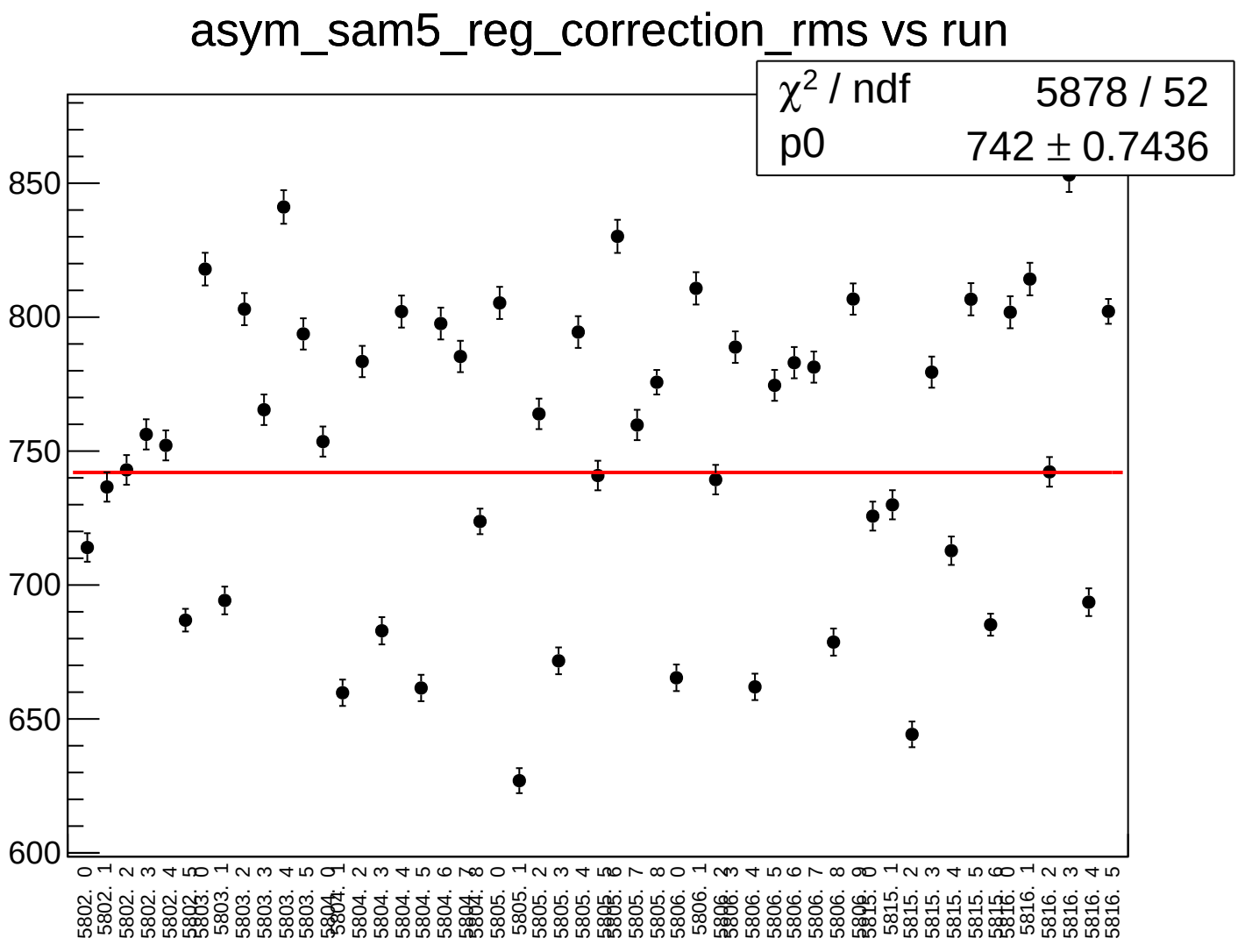

reg_asym_sam5_mean vs run
χ² / ndf 43.96 / 52
p0 174 ± 122.6
3000
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 101.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

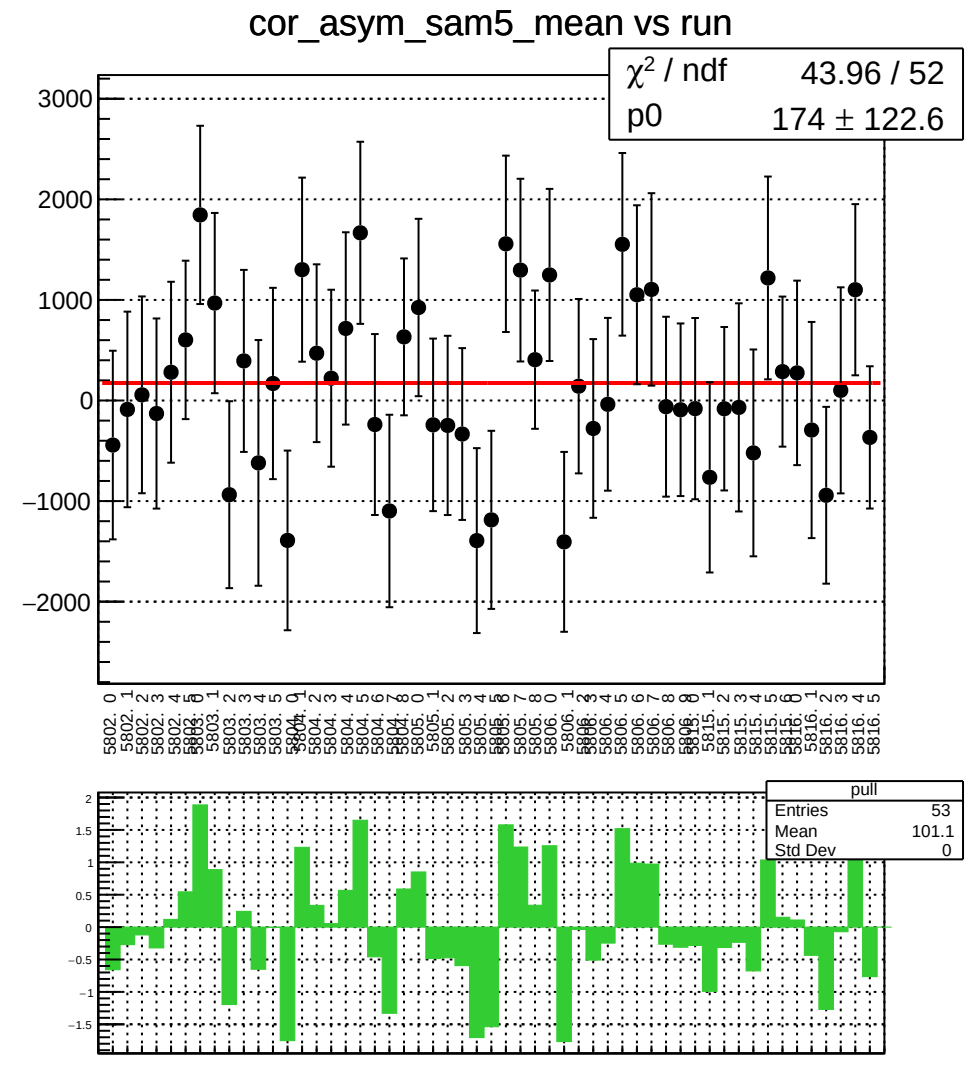

pull1D
Entries 53
Mean −0.009452
Std Dev 0.9107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

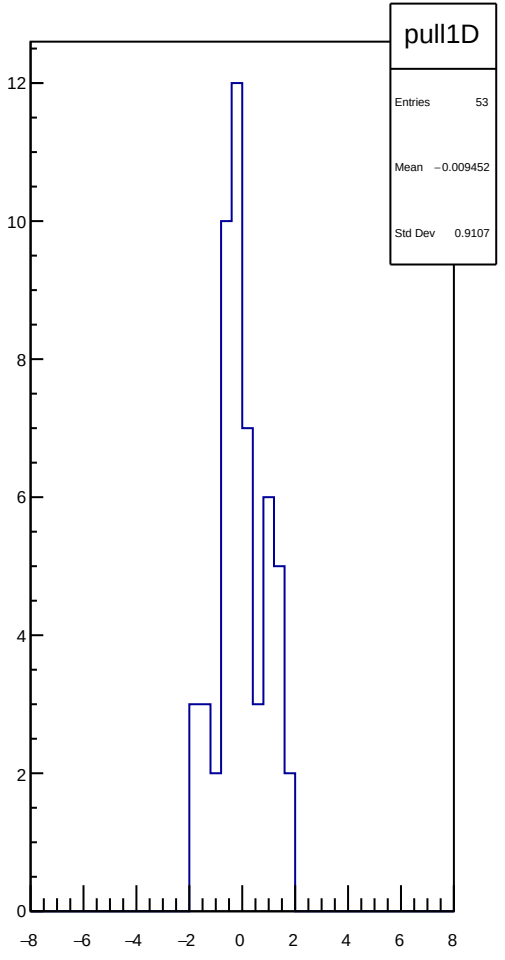

reg_asym_sam5_rms vs run
χ² / ndf 3932 / 52
p0 86.61 ± 0.08671
120
115
110
105
100
95
90
85
80
75

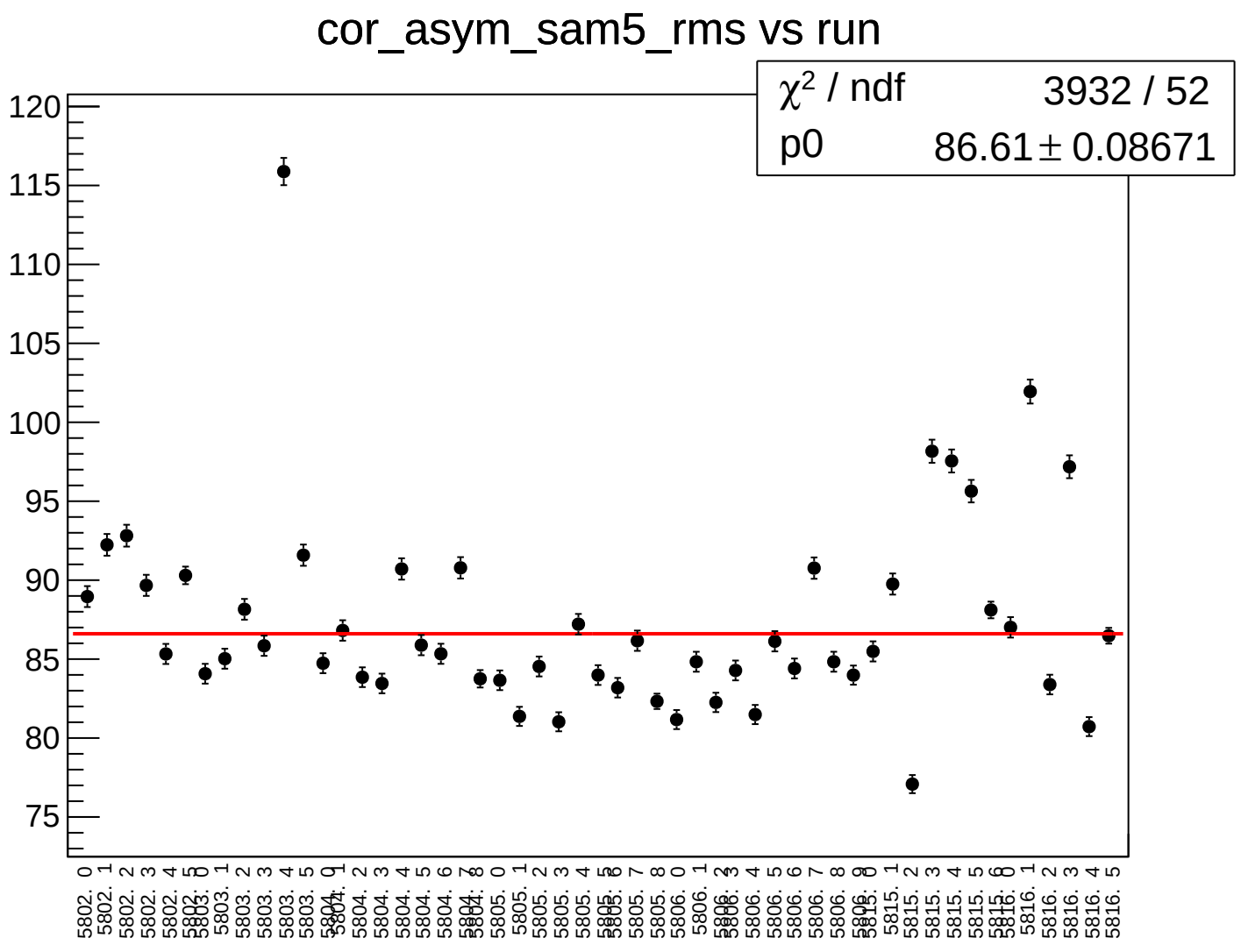

asym_sam5_reg_correction_mean vs run
χ² / ndf 44.42 / 52
p0 −250.4 ± 1052
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −42.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

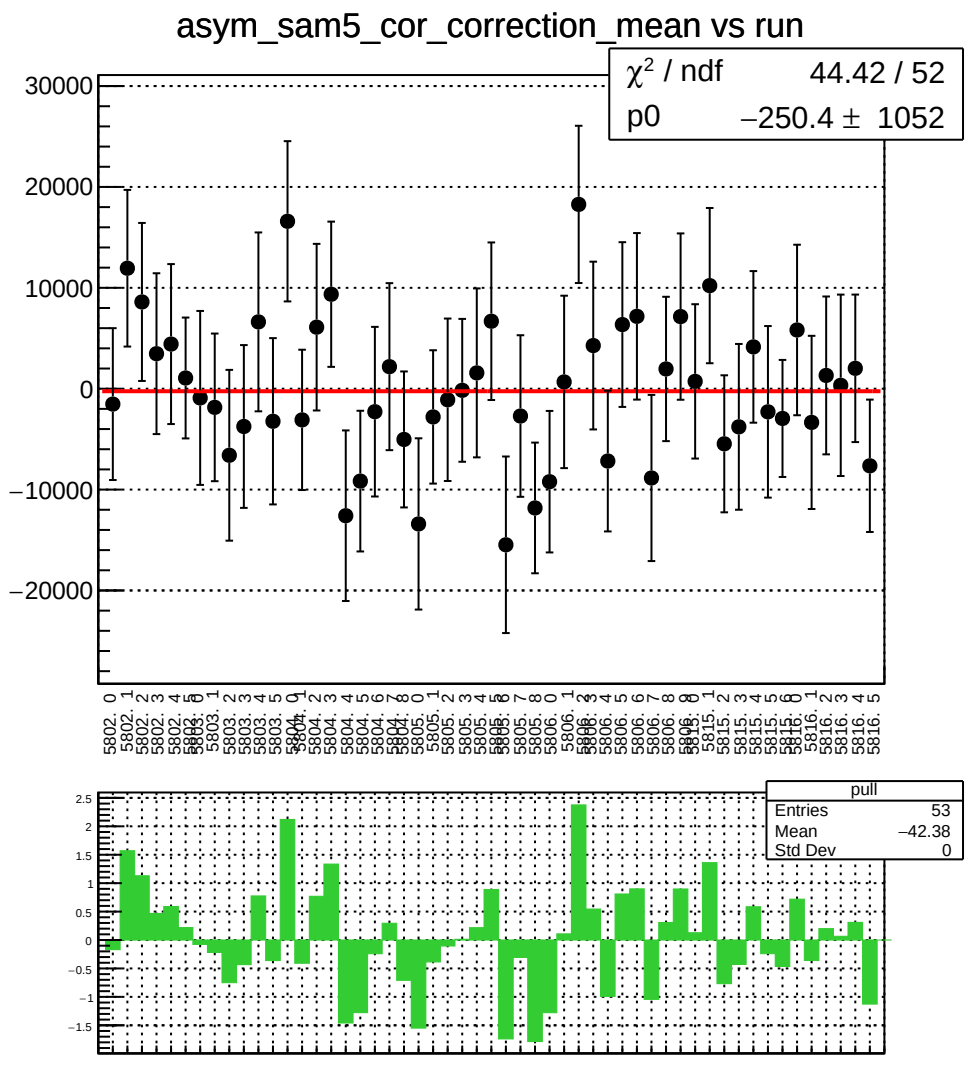

pull1D
Entries 53
Mean 0.01927
Std Dev 0.9153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

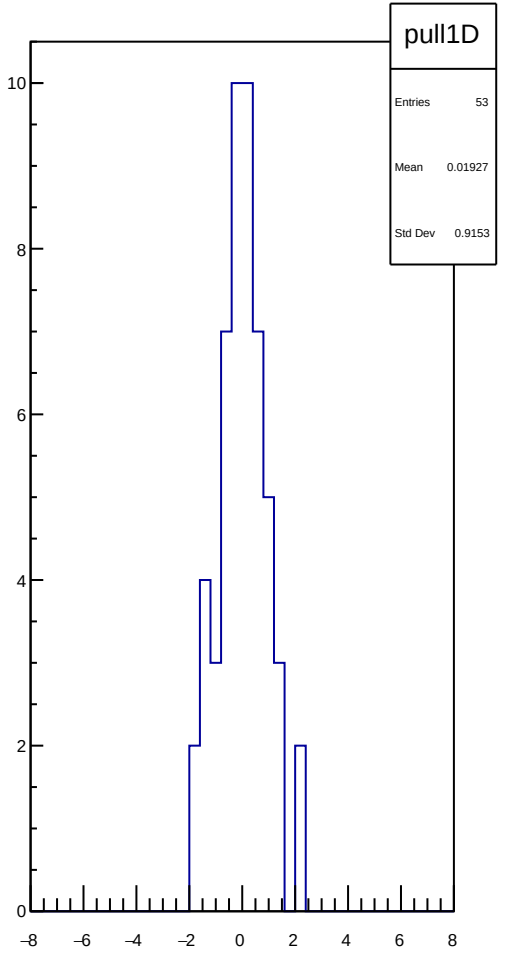

asym_sam5_reg_correction_rms vs run
χ² / ndf 5878 / 52
p0 742 ± 0.7436
850
800
750
700
650
600

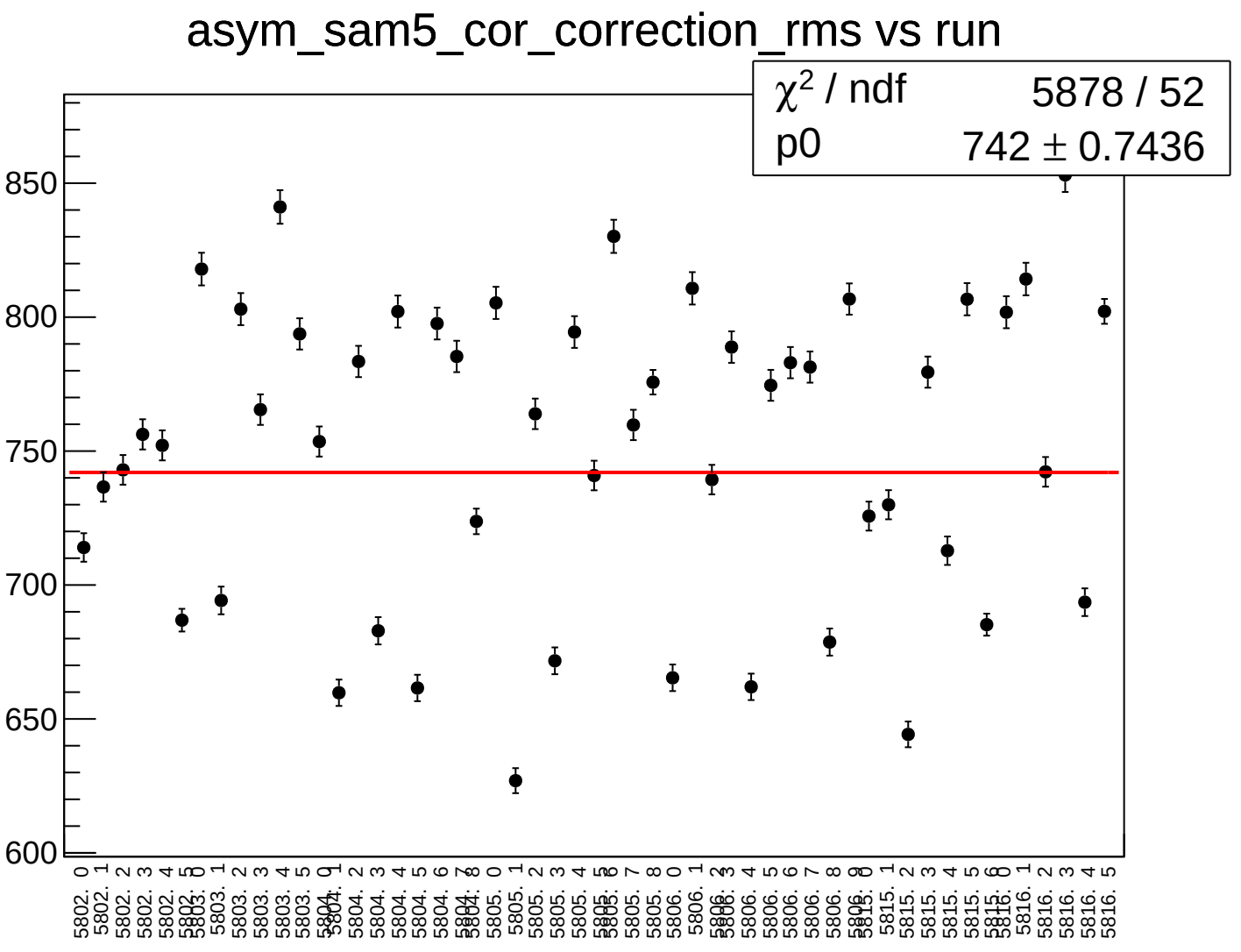

cor_asym_sam5_mean vs run
χ² / ndf 43.96 / 52
p0 174 ± 122.6
pull
Entries 53
Mean 101.1
Std Dev 0

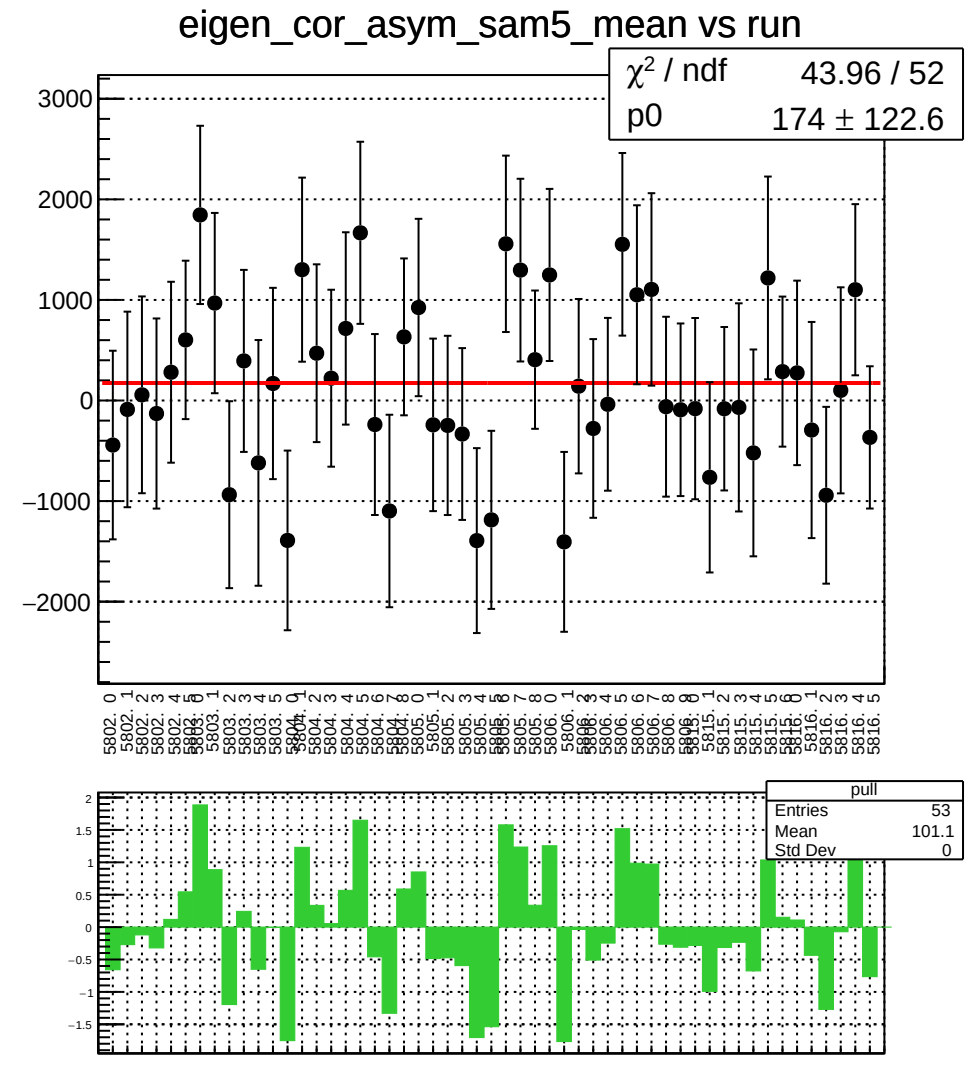

pull1D
Entries 53
Mean −0.009452
Std Dev 0.9107

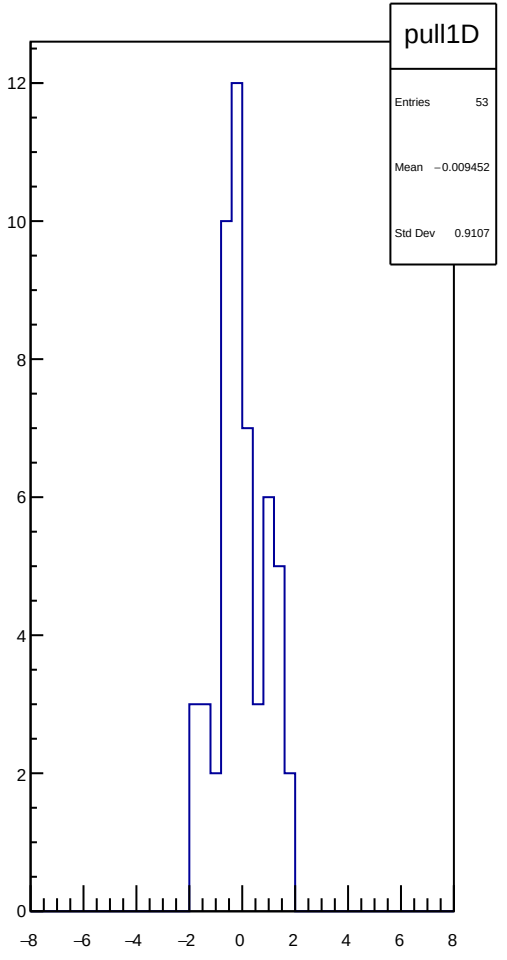

cor_asym_sam5_rms vs run
χ² / ndf 3932 / 52
p0 86.61 ± 0.08671
120
115
110
105
100
95
90
85
80
75

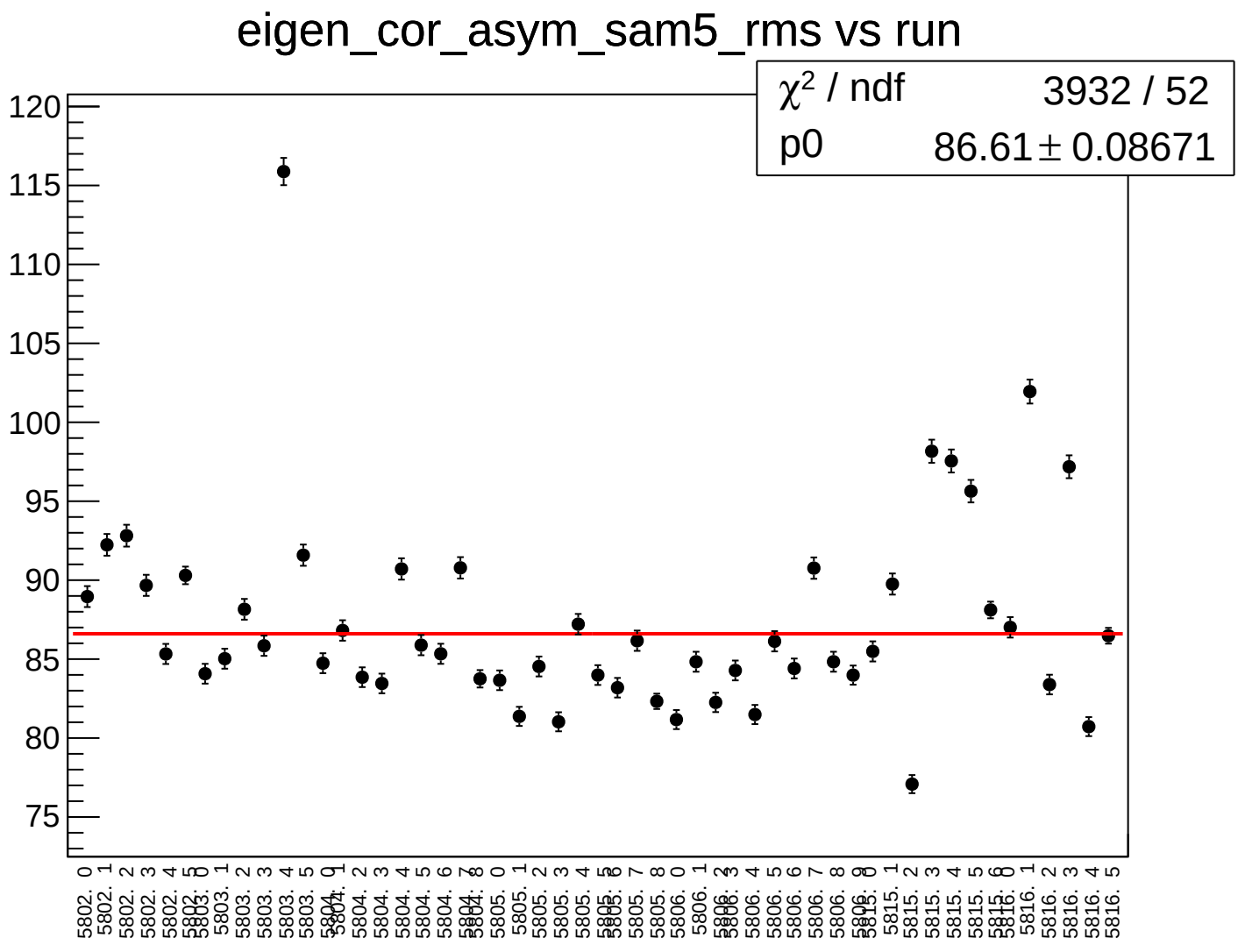

asym_sam5_cor_correction_mean vs run
χ² / ndf 44.42 / 52
p0 −250.4 ± 1052
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −42.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

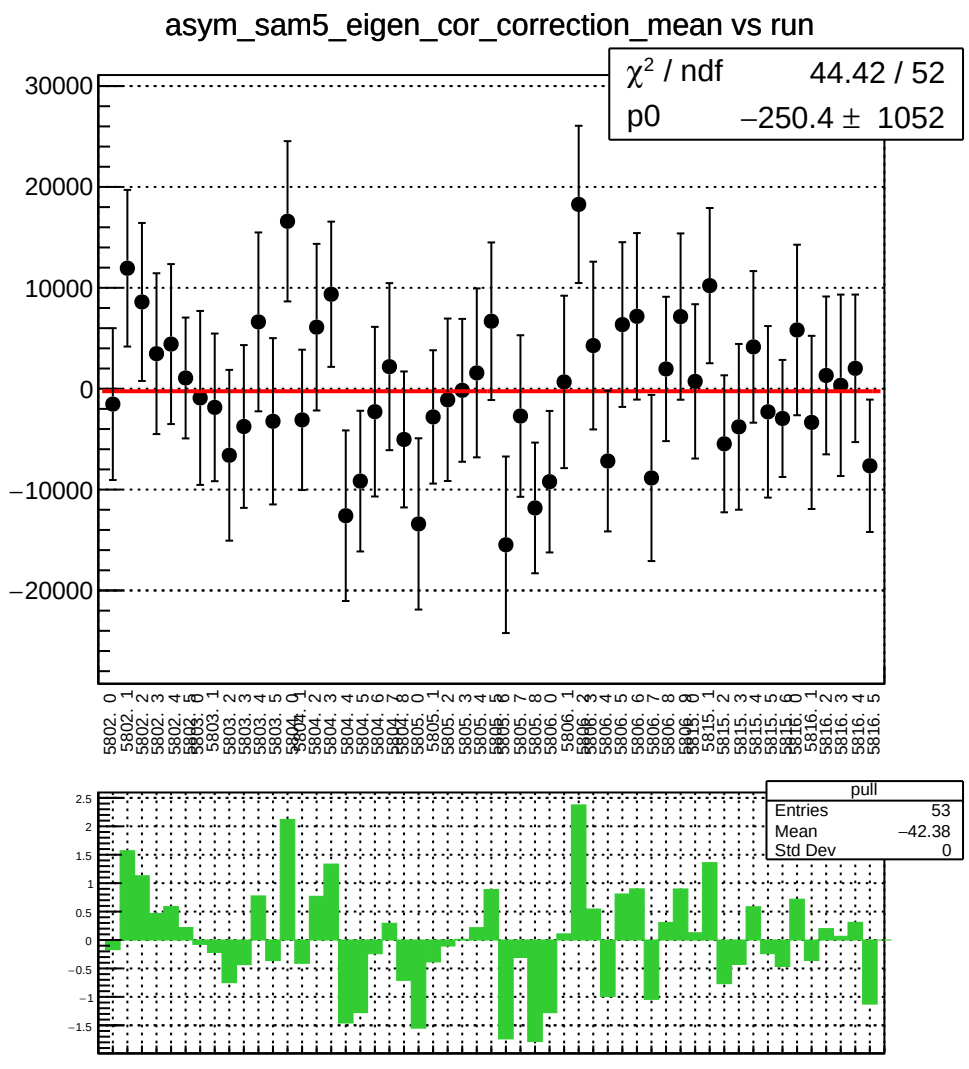

pull1D
Entries 53
Mean 0.01927
Std Dev 0.9153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

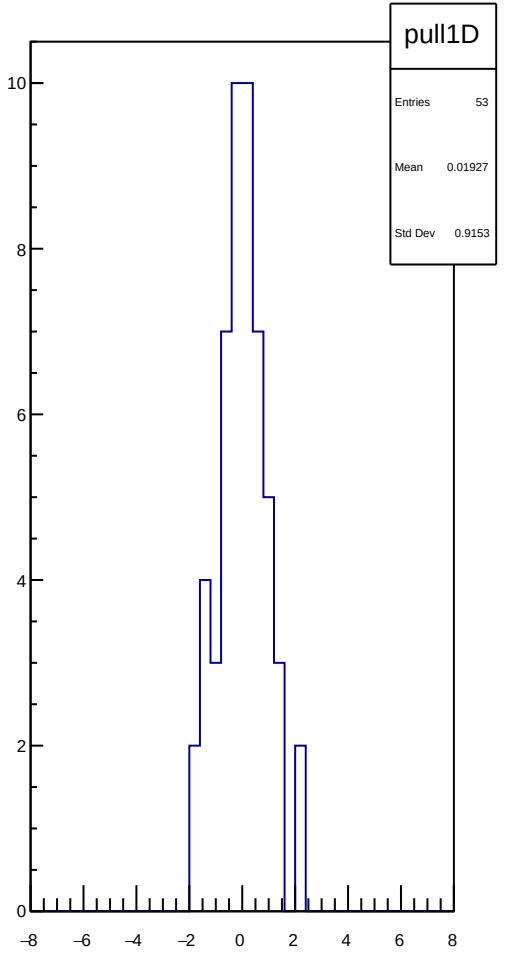

asym_sam5_cor_correction_rms vs run
χ² / ndf 5878 / 52
p0 742 ± 0.7436
850
800
750
700
650
600

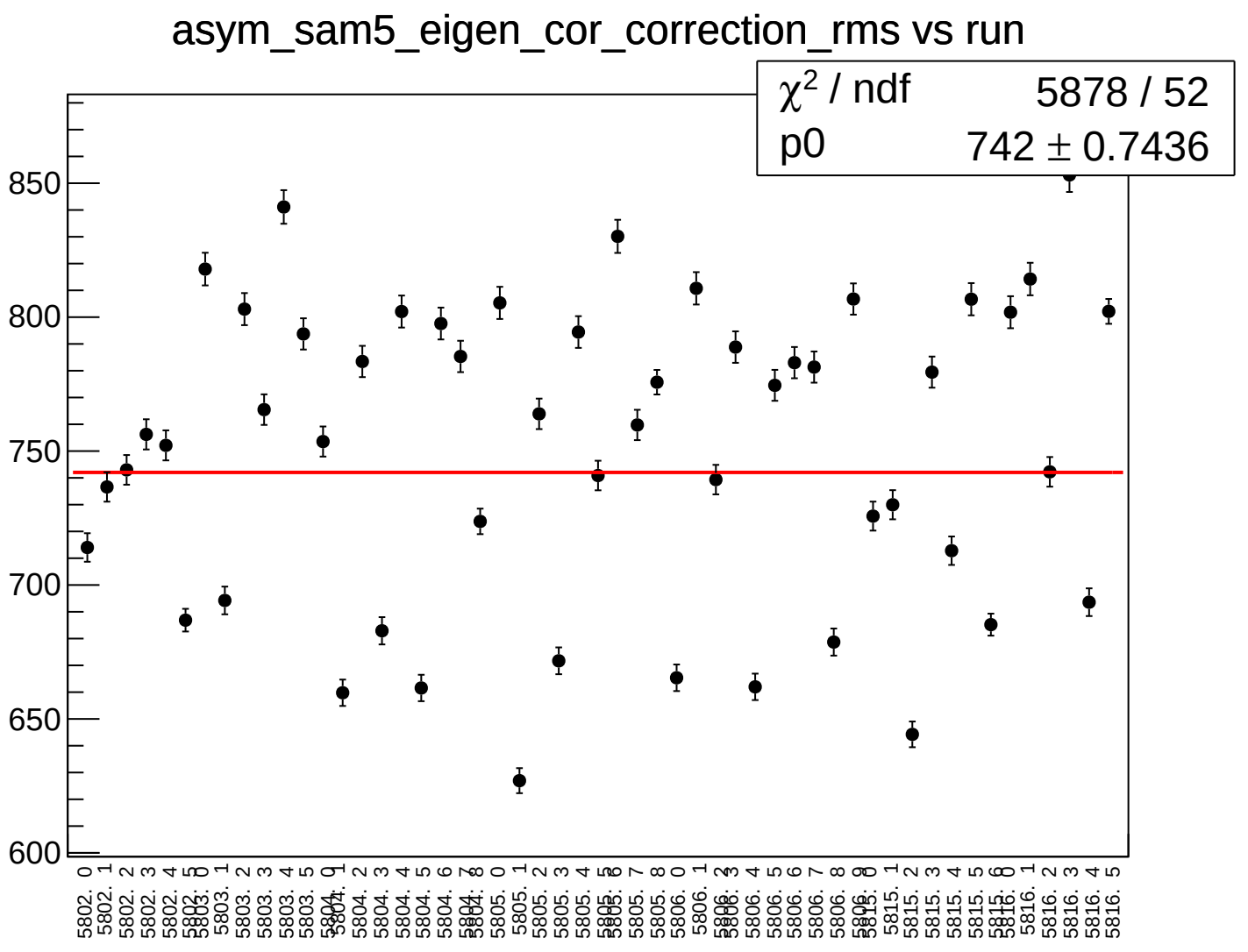

eigen_cor_asym_sam5_mean vs run
χ² / ndf 43.96 / 52
p0 174 ± 122.6
pull
Entries 53
Mean 101.1
Std Dev 0

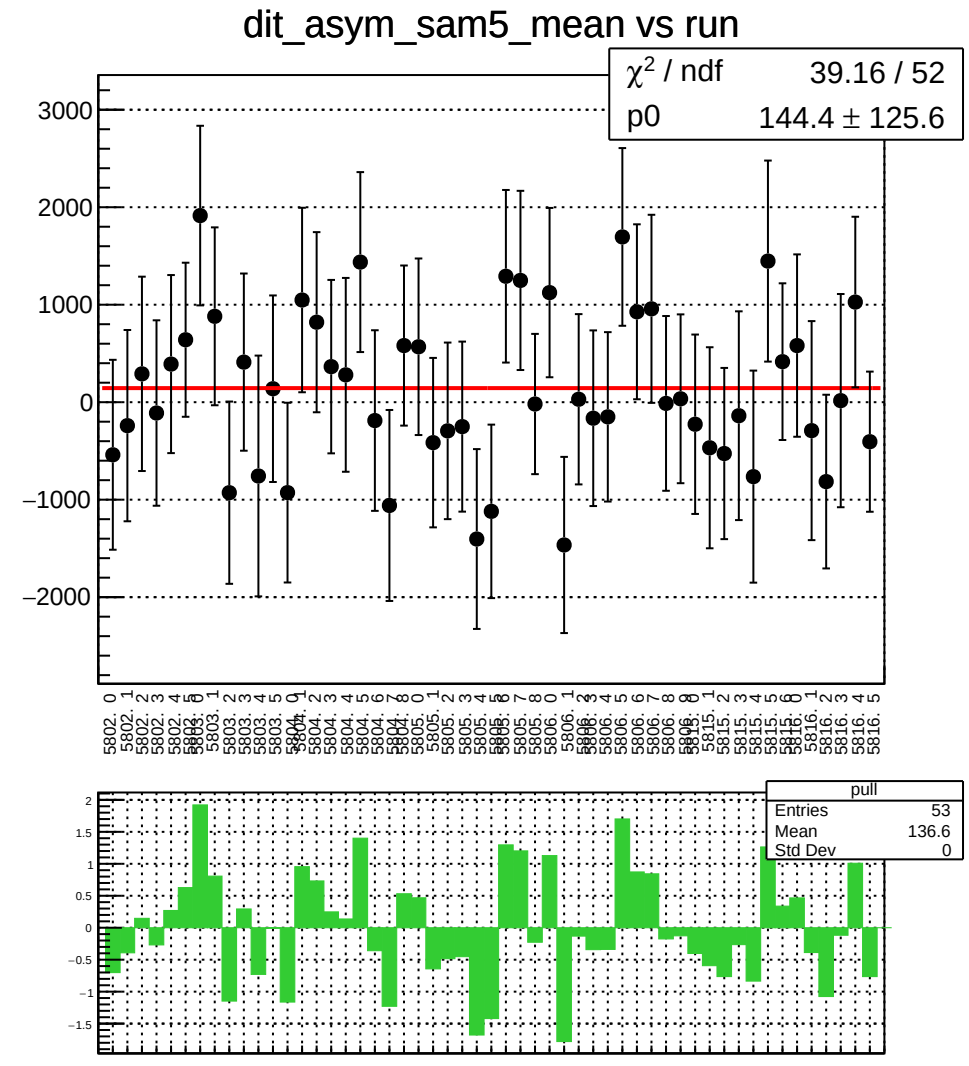

pull1D
Entries 53
Mean −0.009452
Std Dev 0.9107

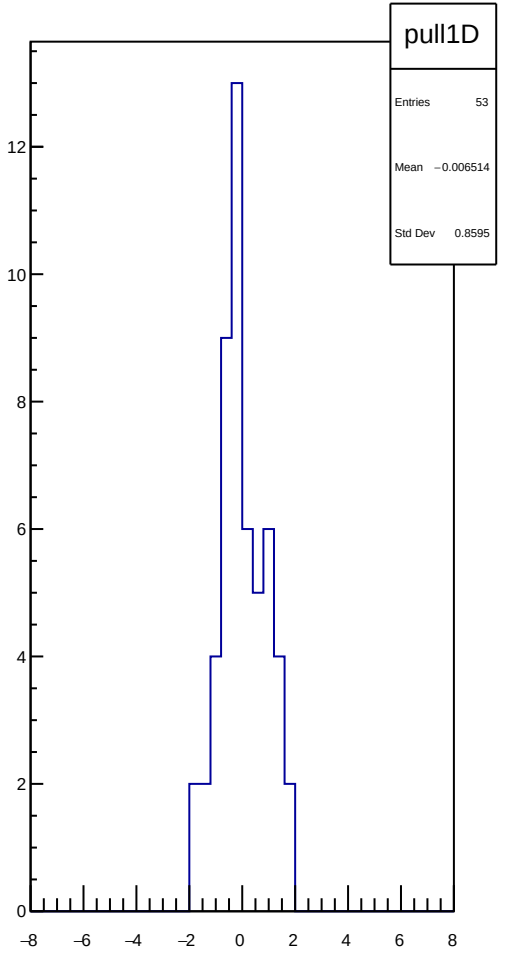

eigen_cor_asym_sam5_rms vs run
χ^2 / ndf 3932 / 52
p0 86.61 ± 0.08671
120
115
110
105
100
95
90
85
80
75

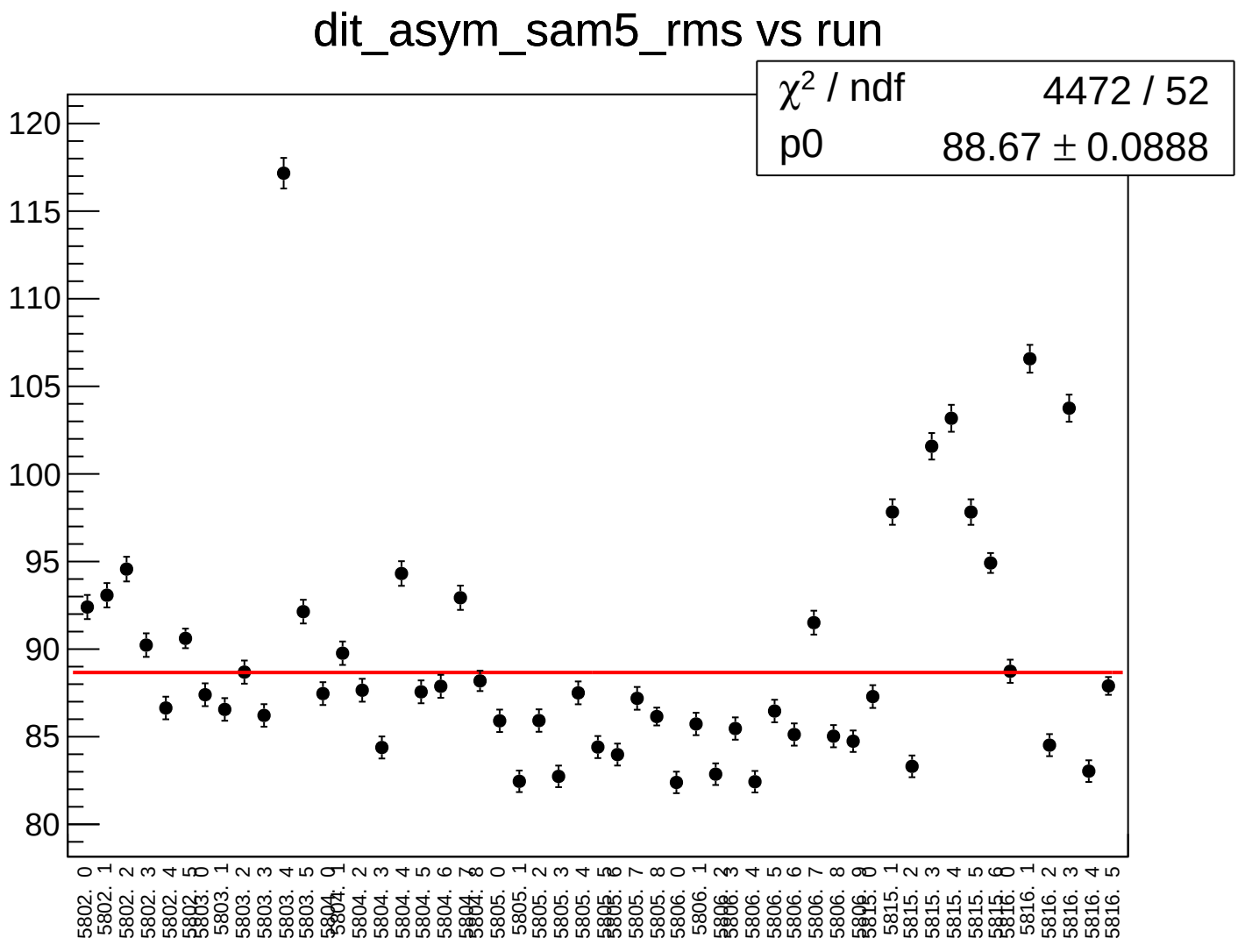

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 44.42 / 52
p0 −250.4 ± 1052
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −42.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

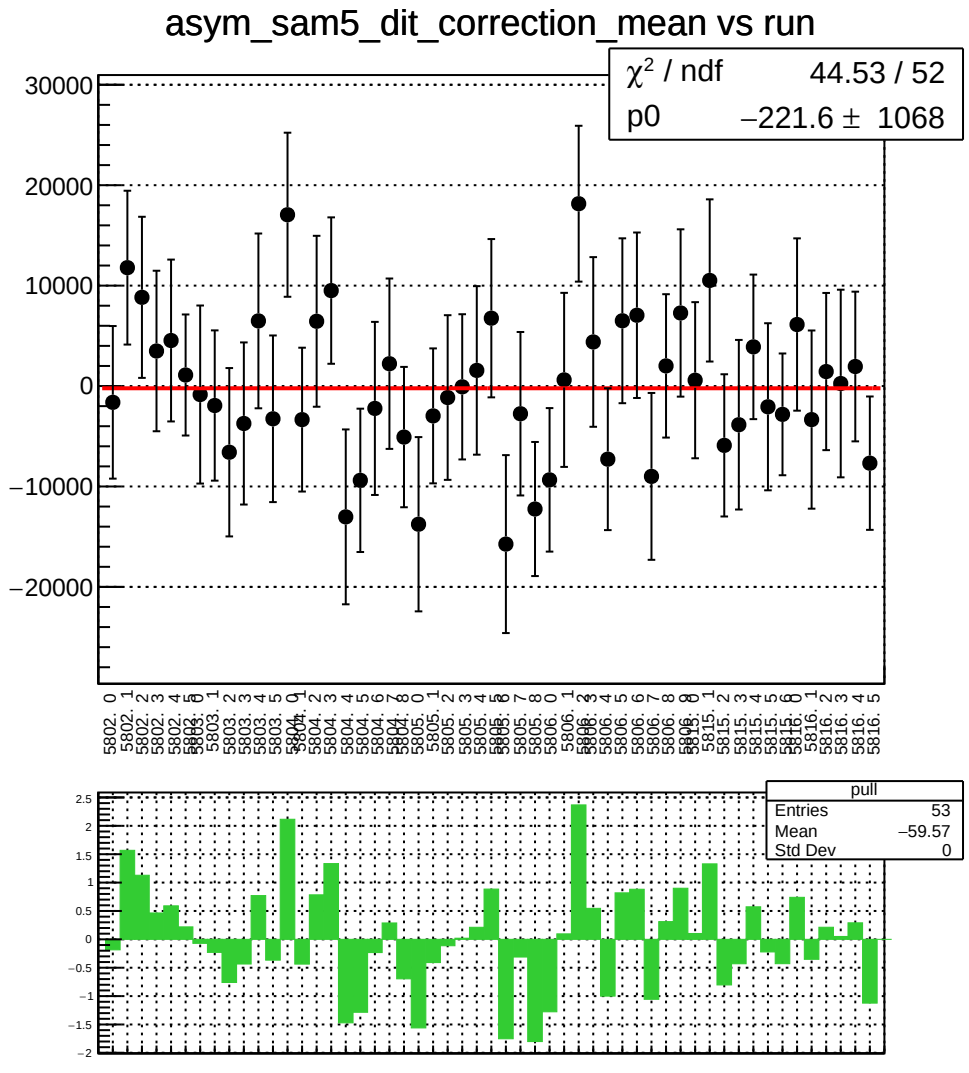

pull1D
Entries 53
Mean 0.01927
Std Dev 0.9153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

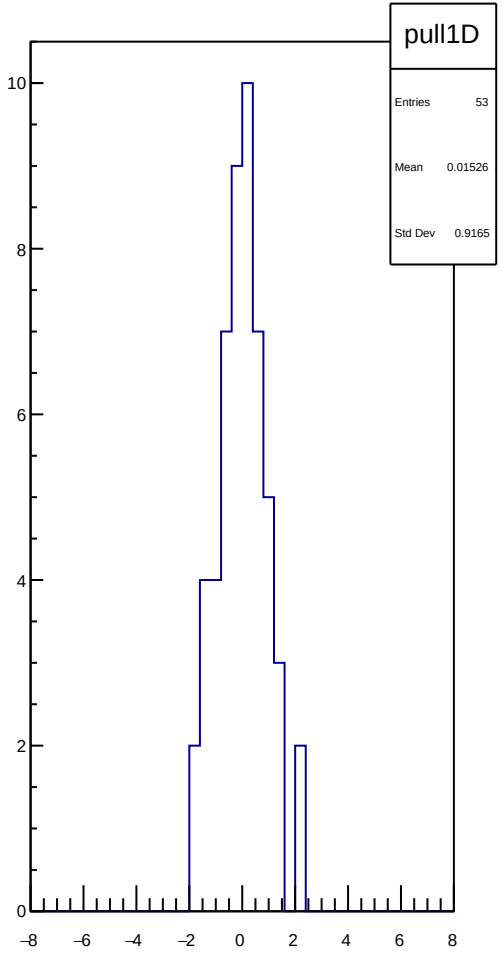

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 5878 / 52
p0 742 ± 0.7436
850
800
750
700
650
600

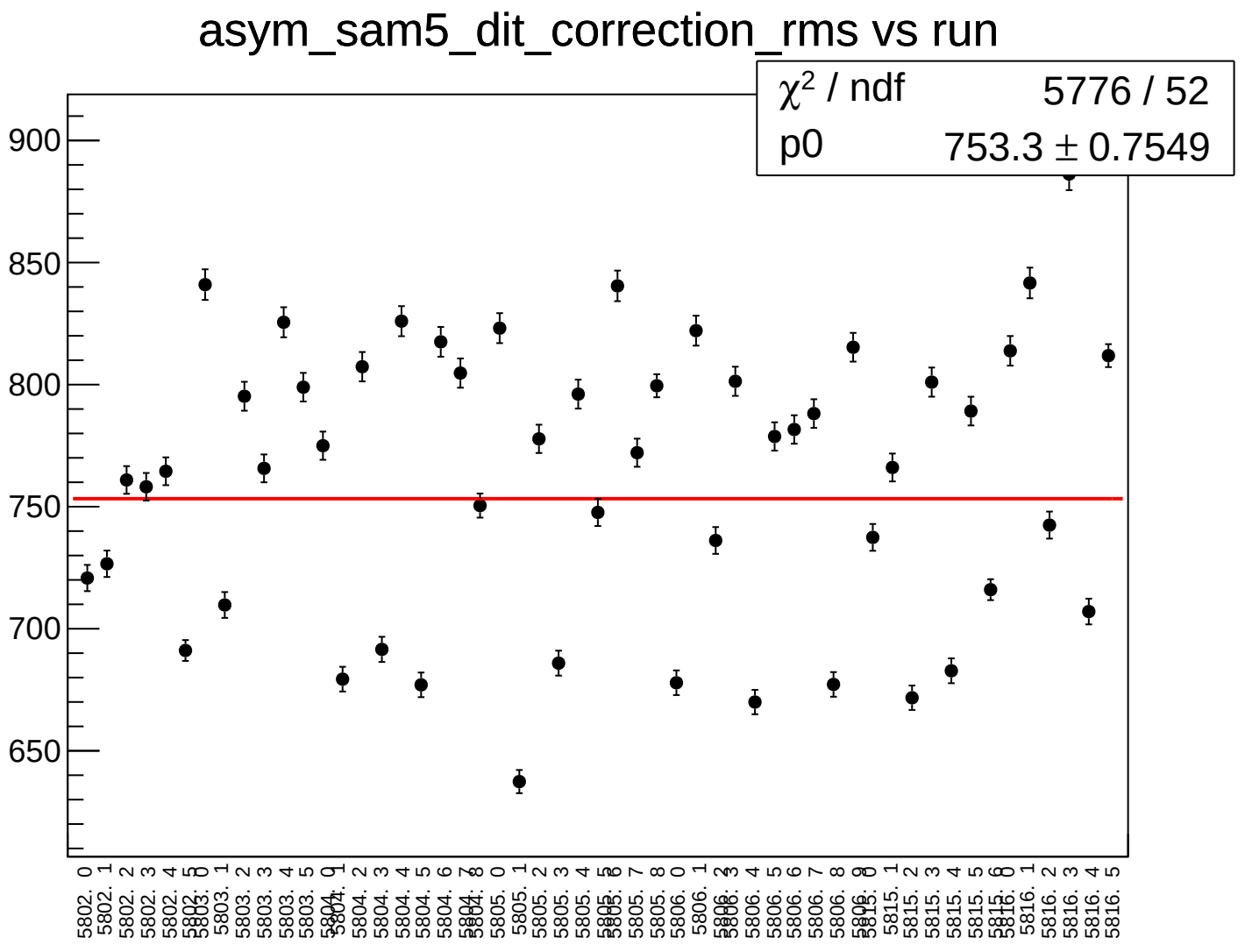

dit_asym_sam5_mean vs run
χ^2 / ndf 39.16 / 52
p0 144.4 ± 125.6
3000
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 136.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

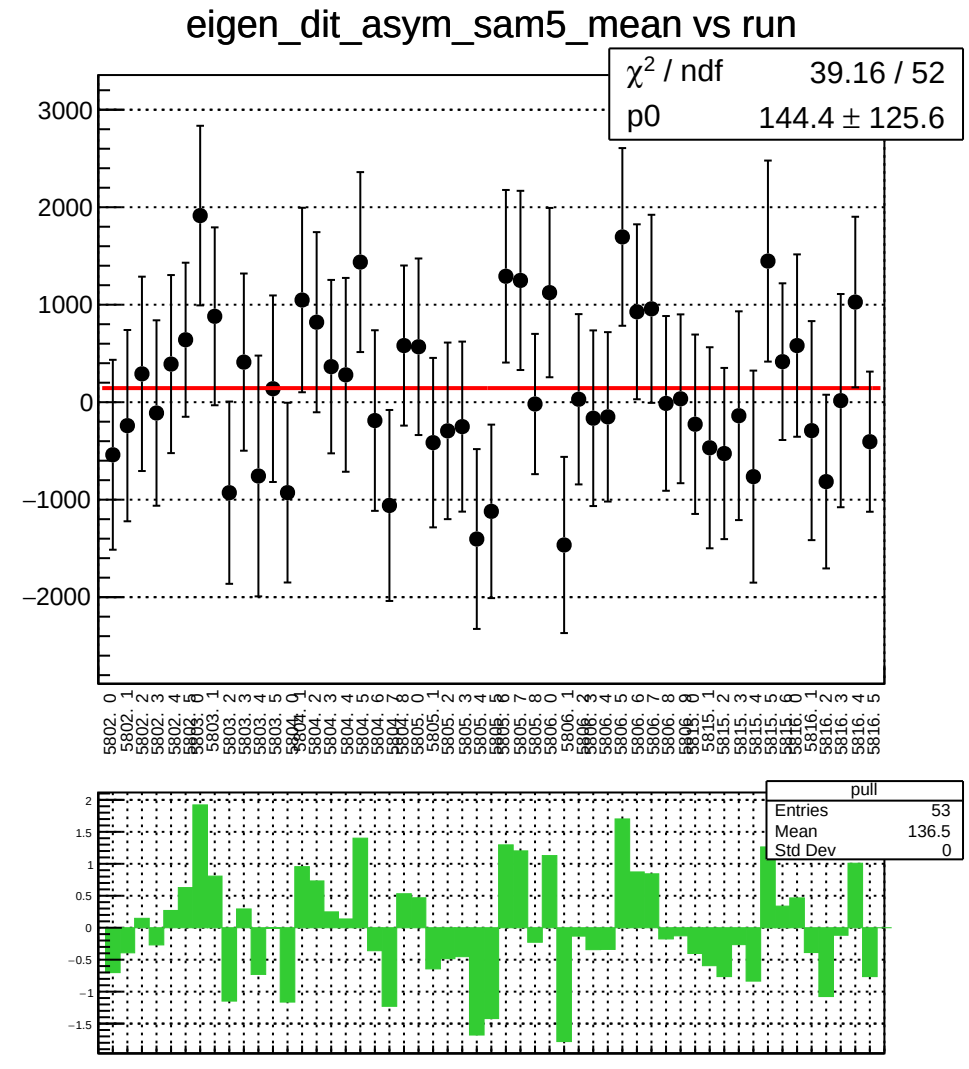

pull1D
Entries 53
Mean −0.006514
Std Dev 0.8595
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

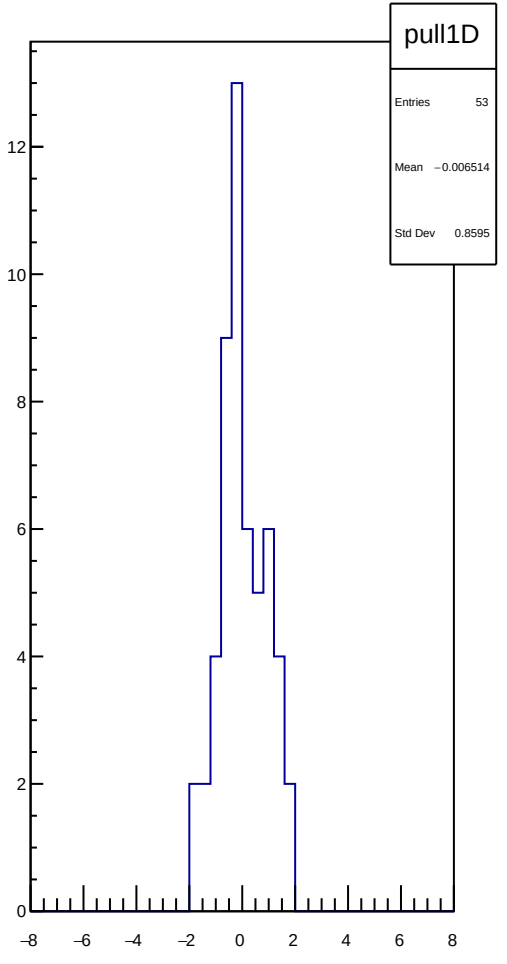

dit_asym_sam5_rms vs run
χ² / ndf 4472 / 52
p0 88.67 ± 0.0888
120
115
110
105
100
95
90
85
80

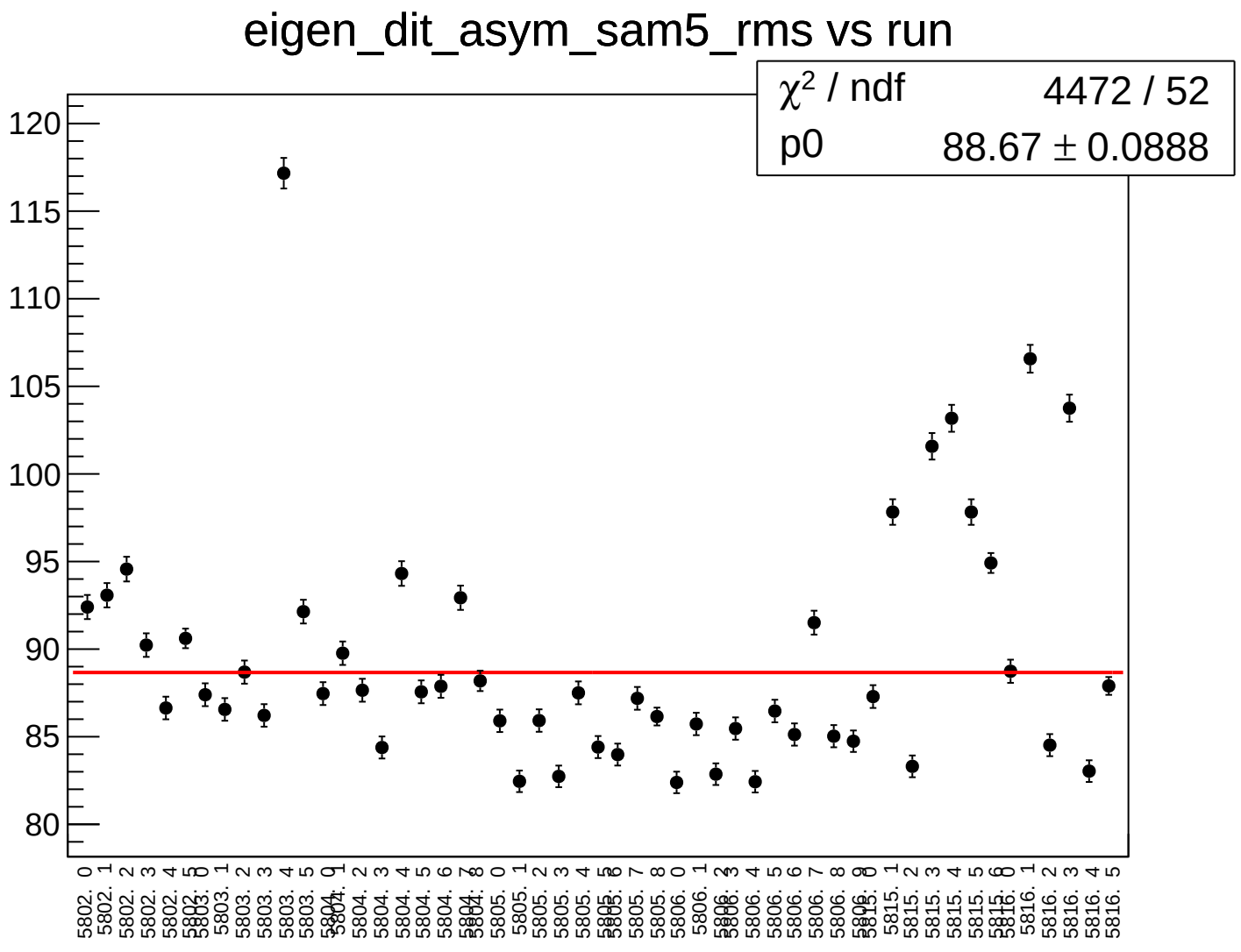

asym_sam5_dit_correction_mean vs run
χ² / ndf 44.53 / 52
p0 −221.6 ± 1068
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −59.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

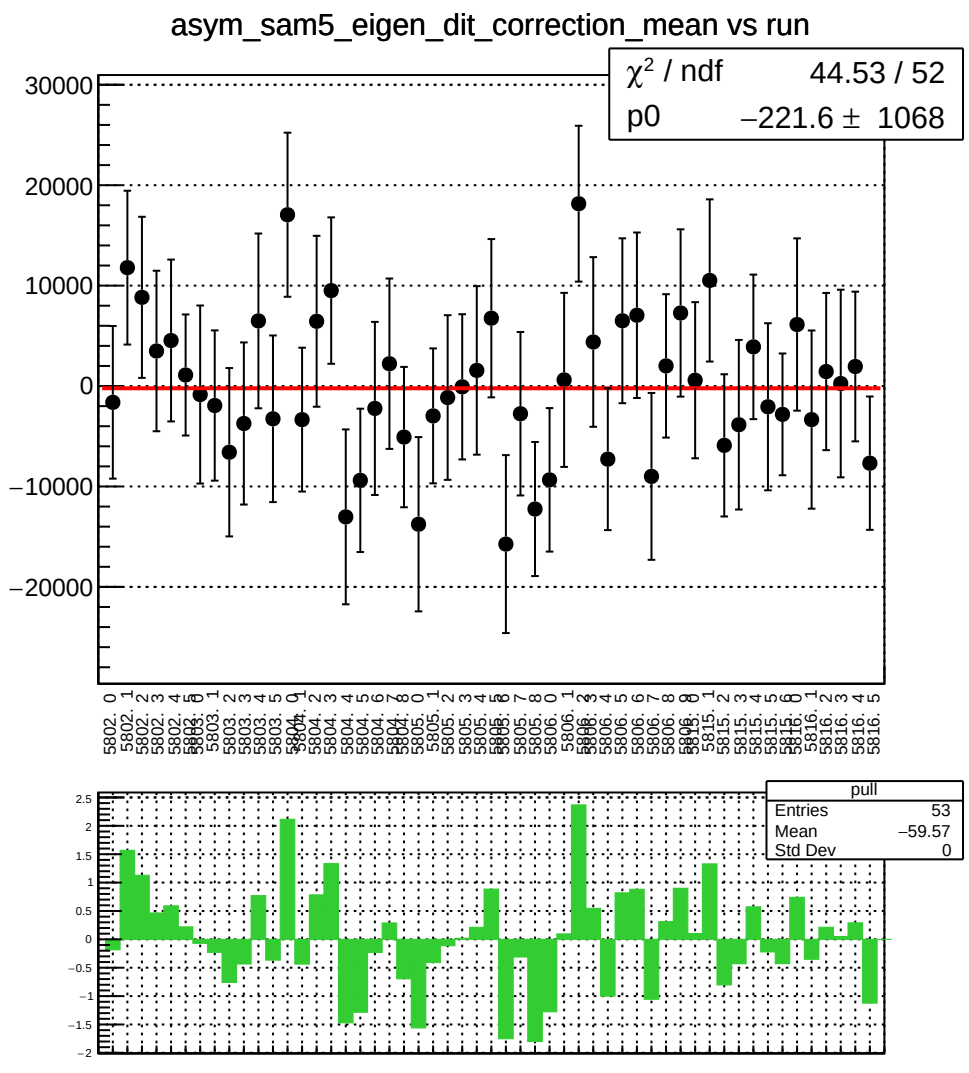

pull1D
Entries 53
Mean 0.01526
Std Dev 0.9165
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

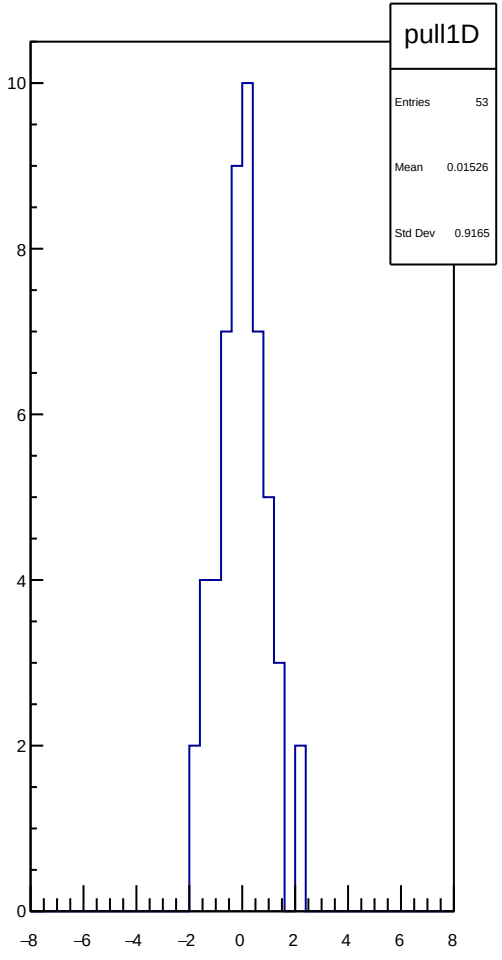

asym_sam5_dit_correction_rms vs run
χ² / ndf 5776 / 52
p0 753.3 ± 0.7549
900
850
800
750
700
650

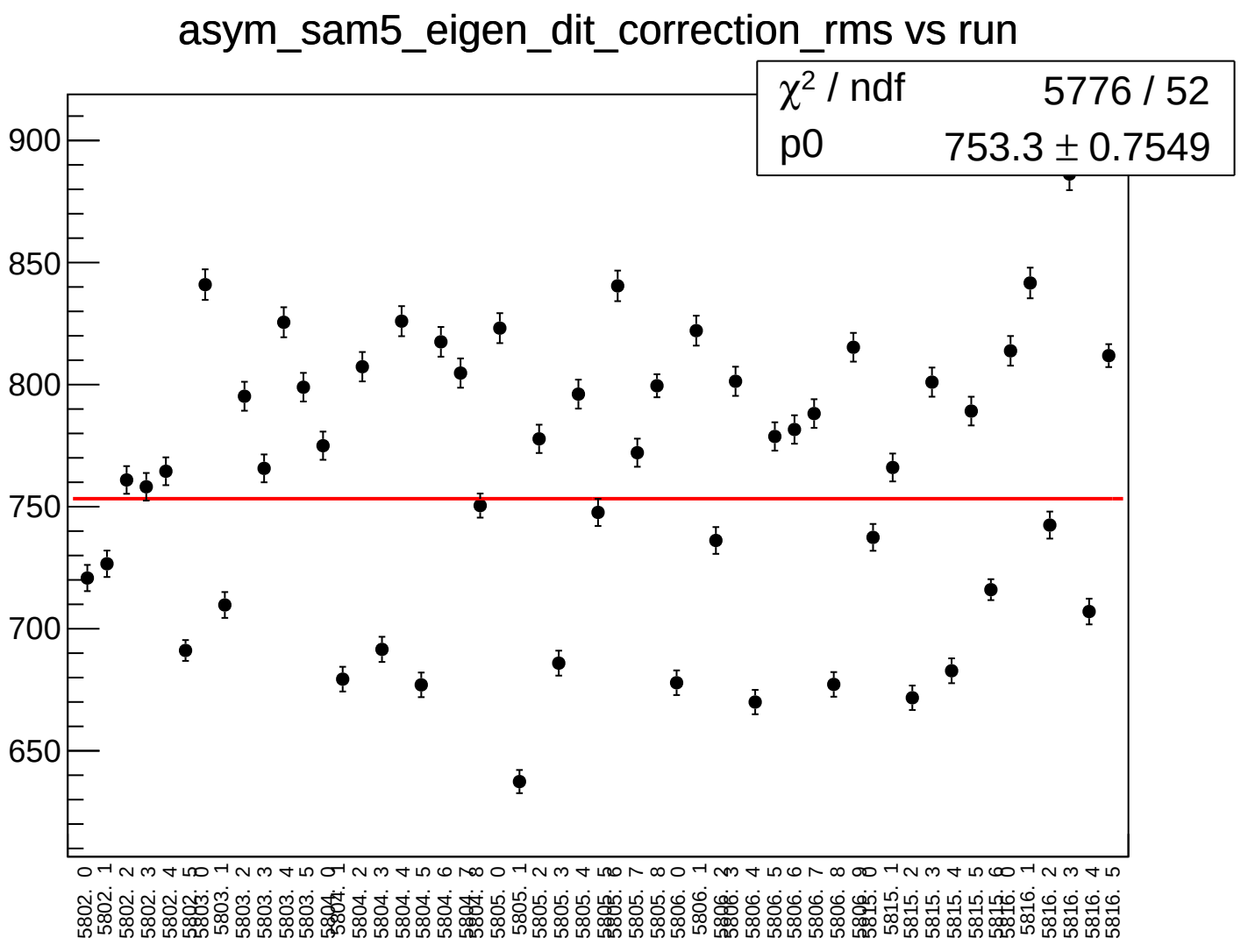

eigen_dit_asym_sam5_mean vs run
χ² / ndf 39.16 / 52
p0 144.4 ± 125.6
pull
Entries 53
Mean 136.5
Std Dev 0

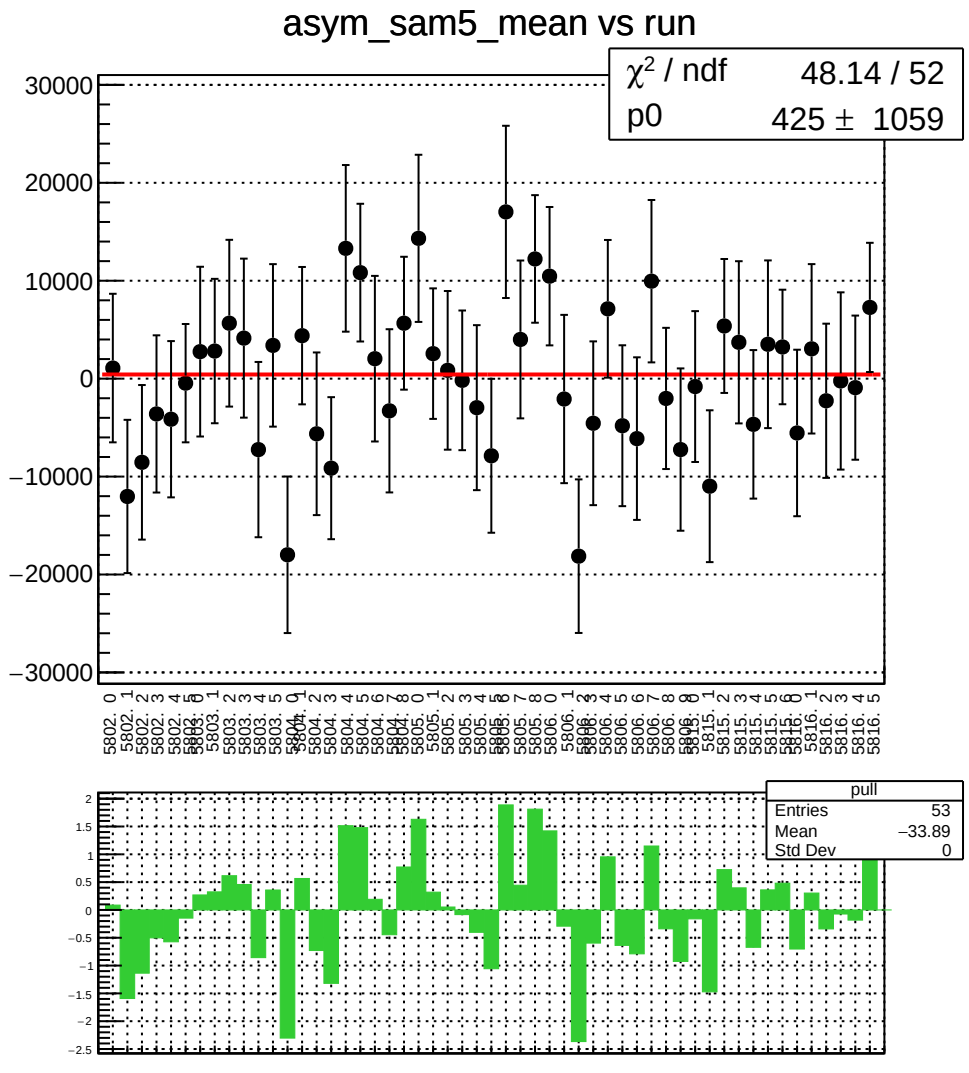

pull1D
Entries 53
Mean −0.006514
Std Dev 0.8595

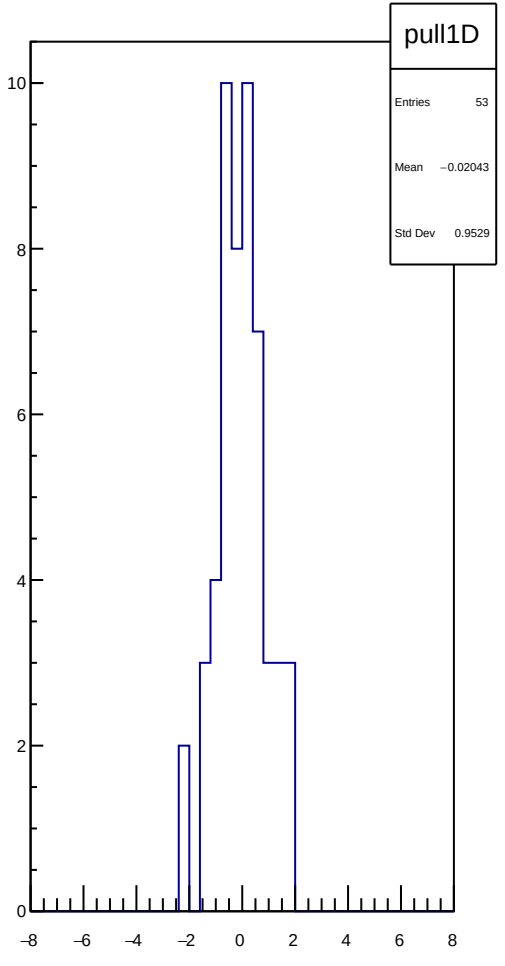

eigen_dit_asym_sam5_rms vs run
χ² / ndf 4472 / 52
p0 88.67 ± 0.0888
120
115
110
105
100
95
90
85
80

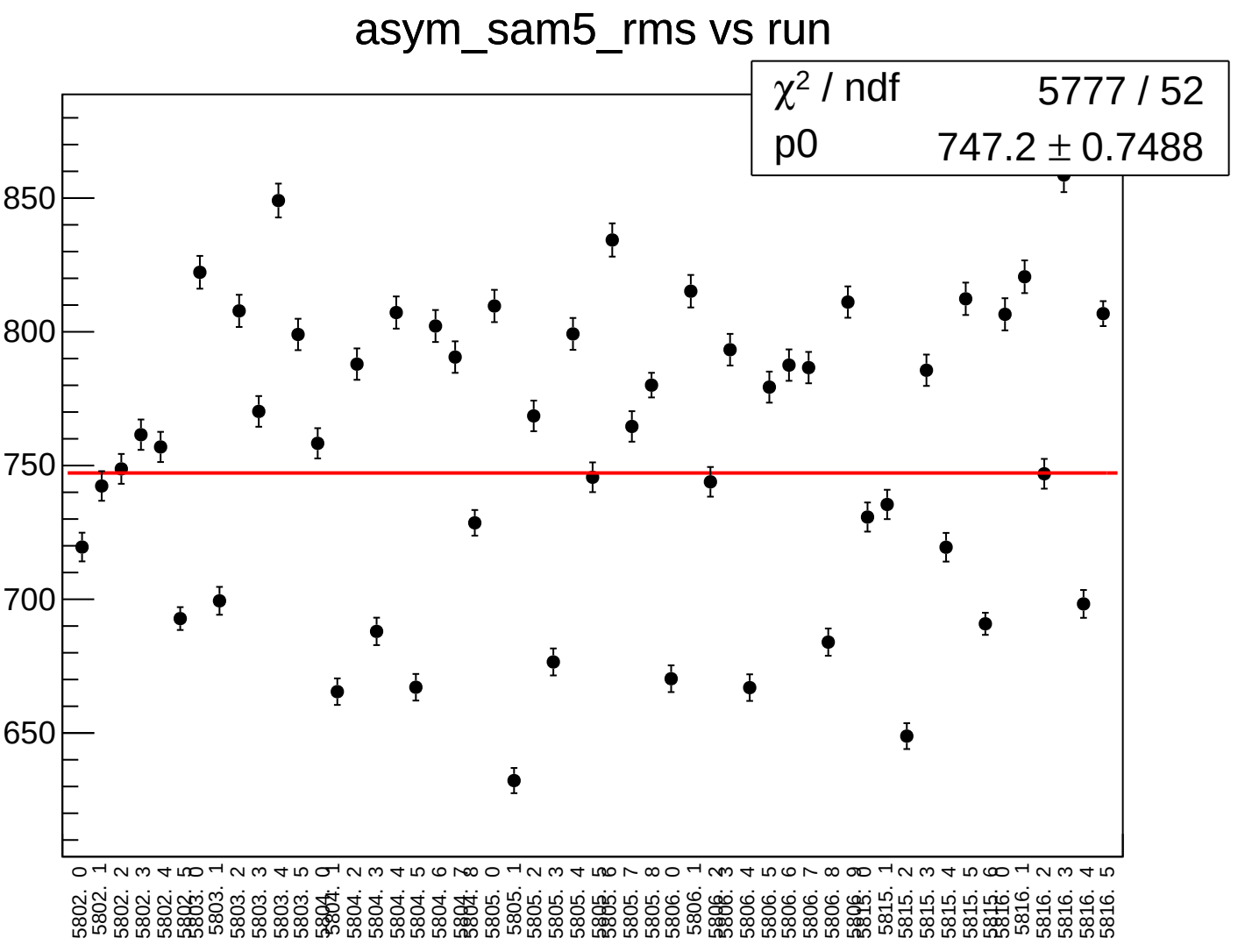

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 44.53 / 52
p0 −221.6 ± 1068
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −59.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

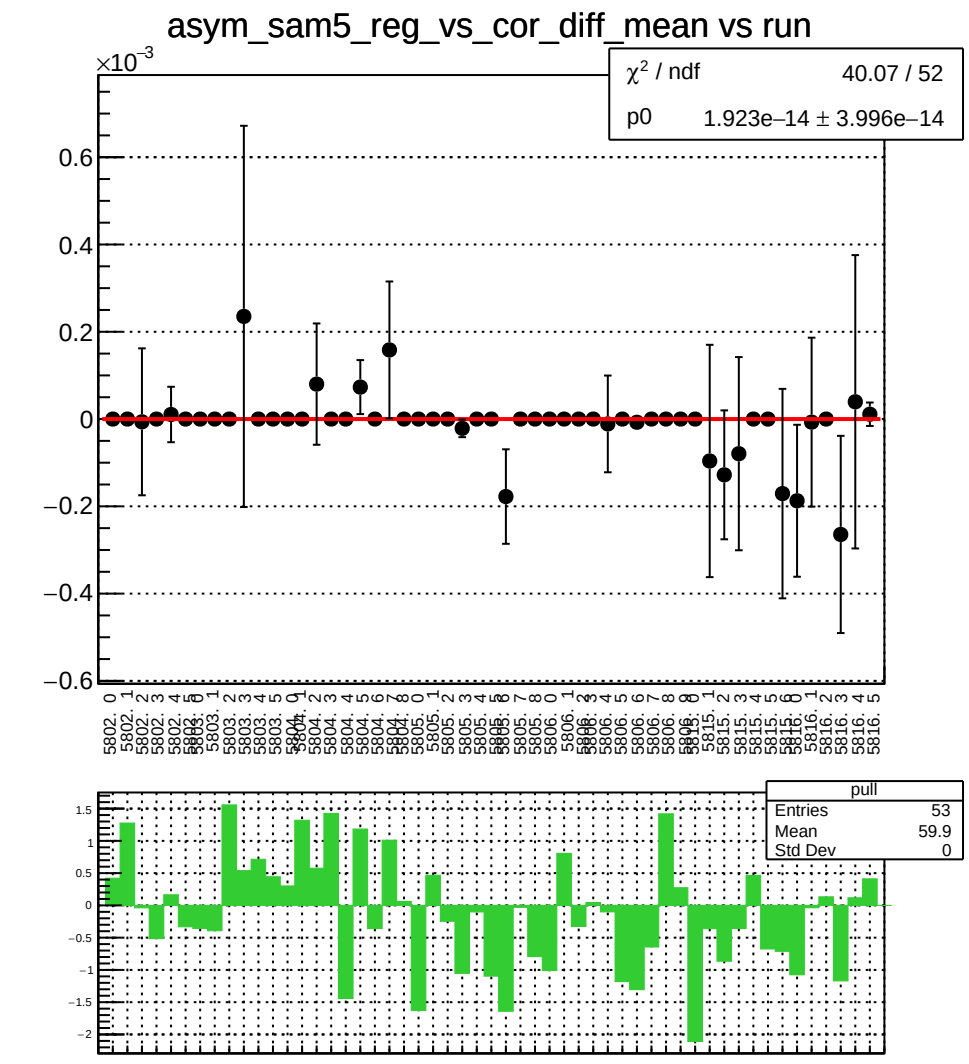

pull1D
Entries 53
Mean 0.01526
Std Dev 0.9165
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

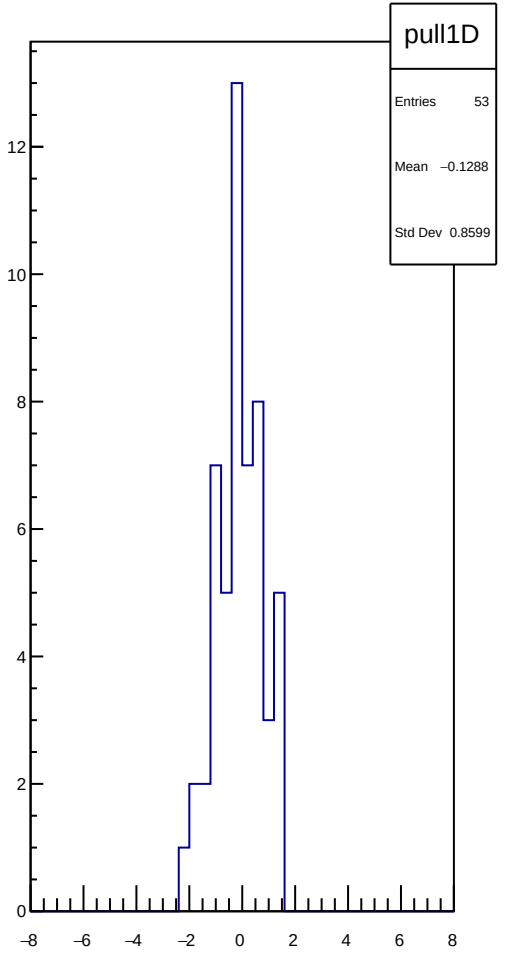

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5776 / 52
p0 753.3 ± 0.7549
900
850
800
750
700
650

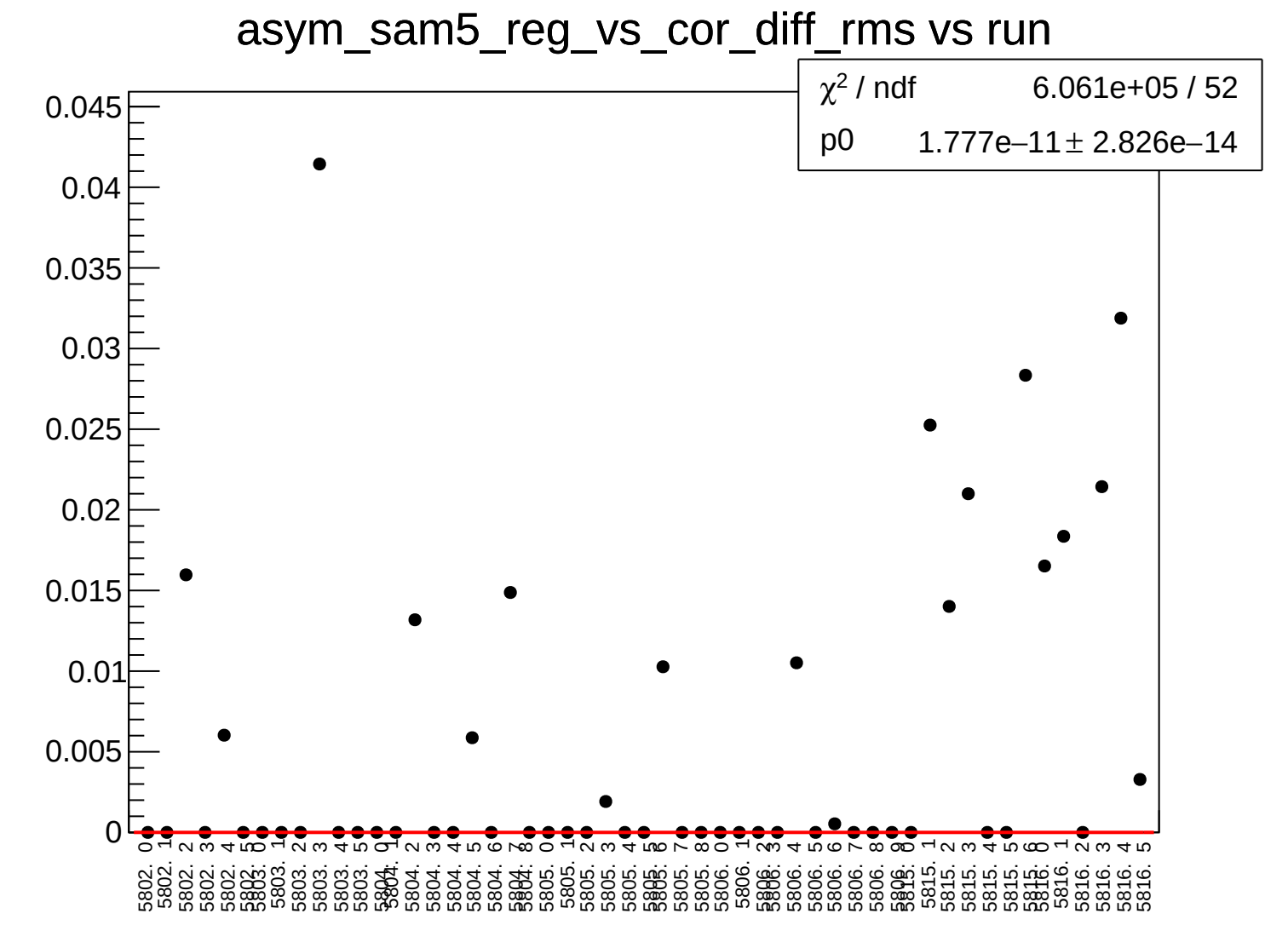

asym_sam5_mean vs run
χ² / ndf 48.14 / 52
p0 425 ± 1059
pull
Entries 53
Mean −33.89
Std Dev 0

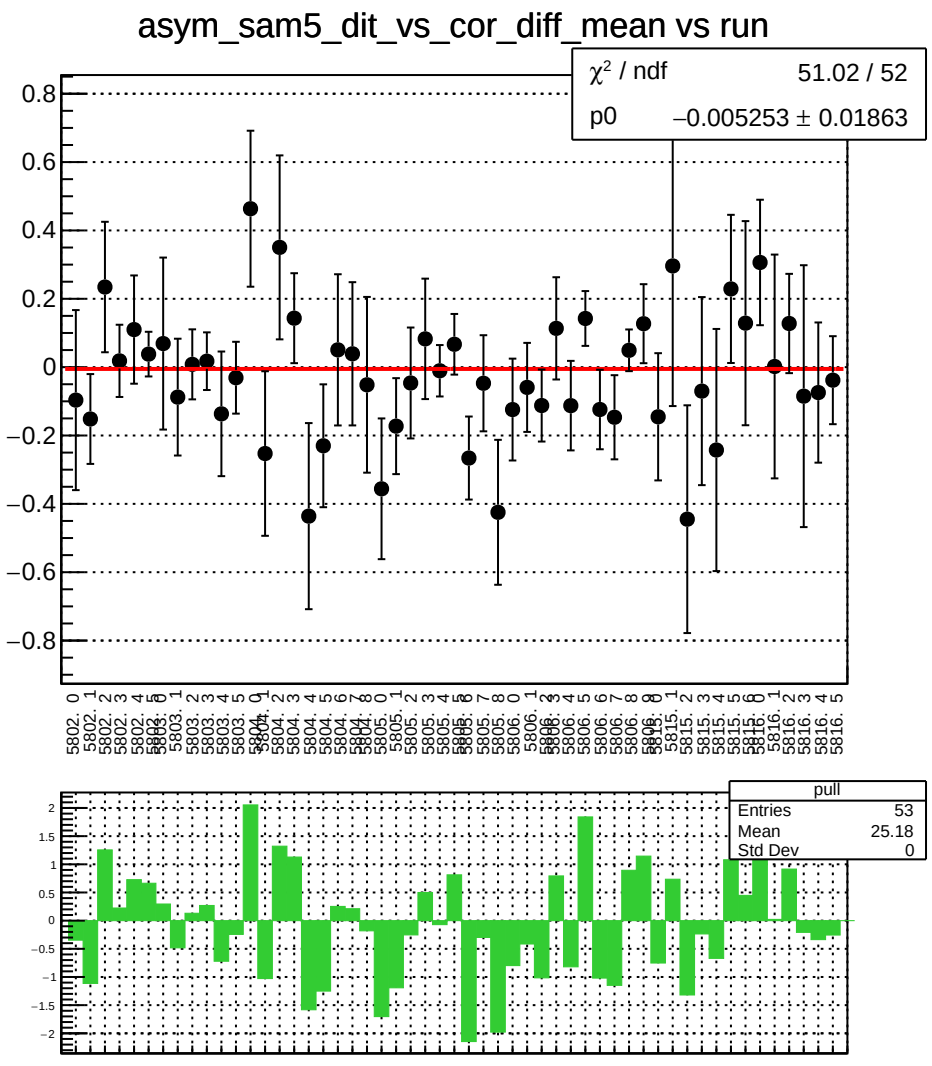

pull1D
Entries 53
Mean −0.02043
Std Dev 0.9529

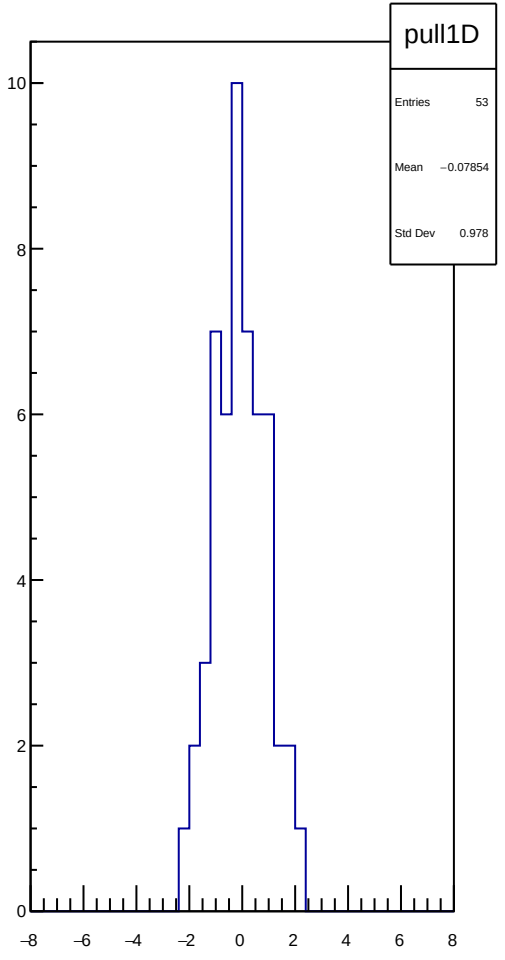

asym_sam5_rms vs run
χ² / ndf 5777 / 52
p0 747.2 ± 0.7488
850
800
750
700
650

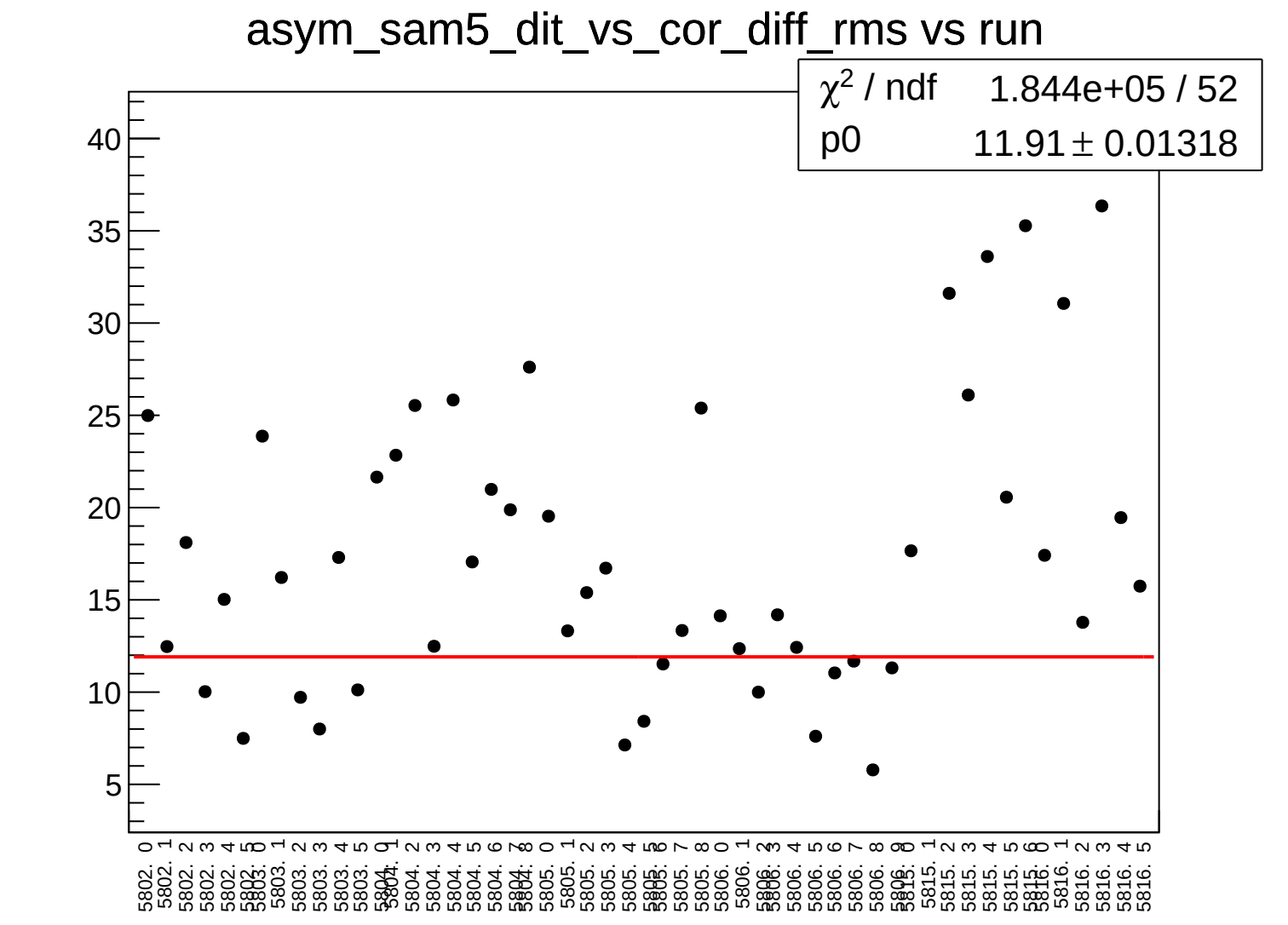

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 40.07 / 52
p0 1.923e−14 ± 3.996e−14
pull
Entries 53
Mean 59.9
Std Dev 0

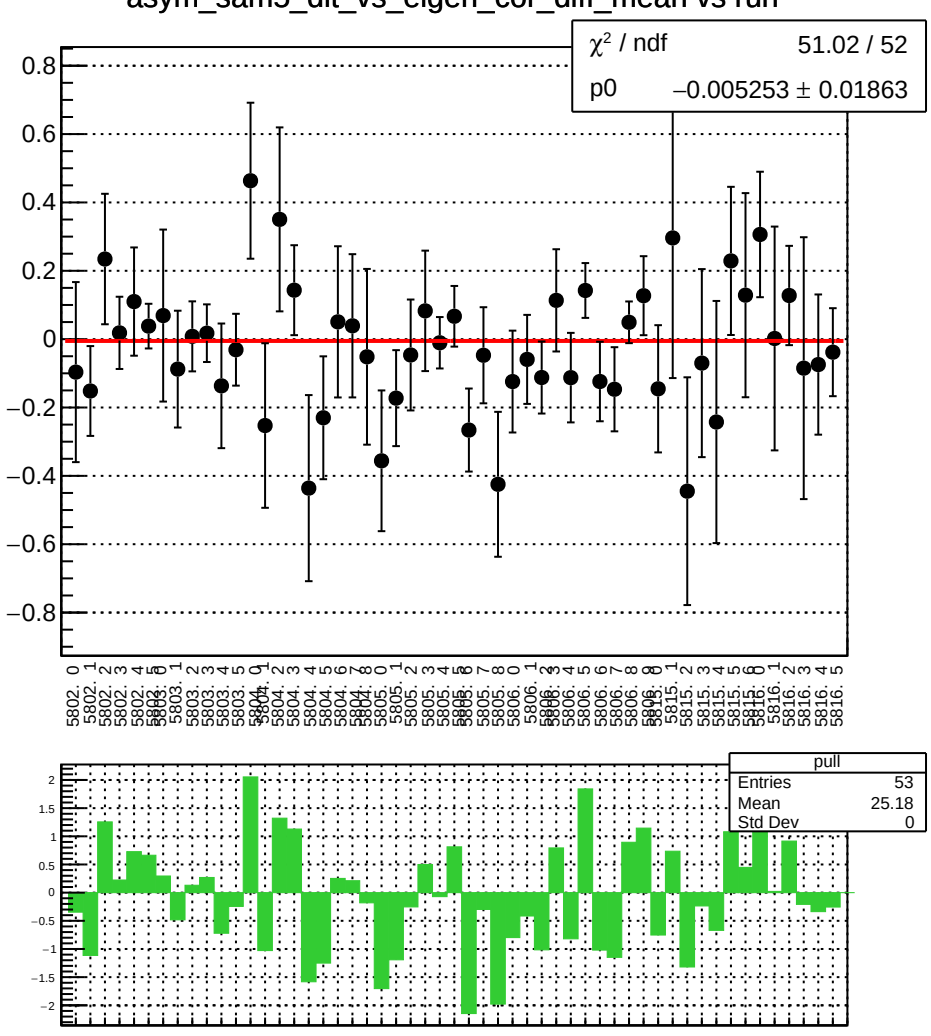

pull1D
Entries 53
Mean −0.1288
Std Dev 0.8599

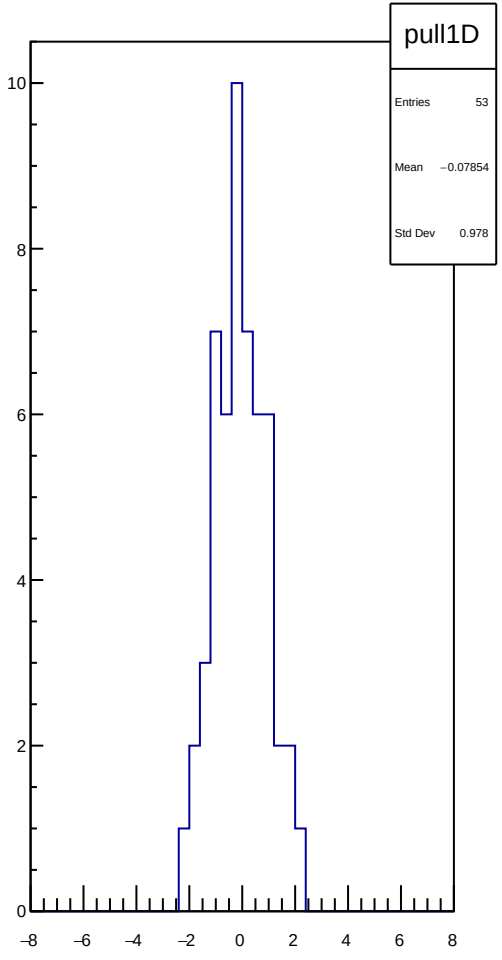

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 6.061e+05 / 52
p0 1.777e−11 ± 2.826e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

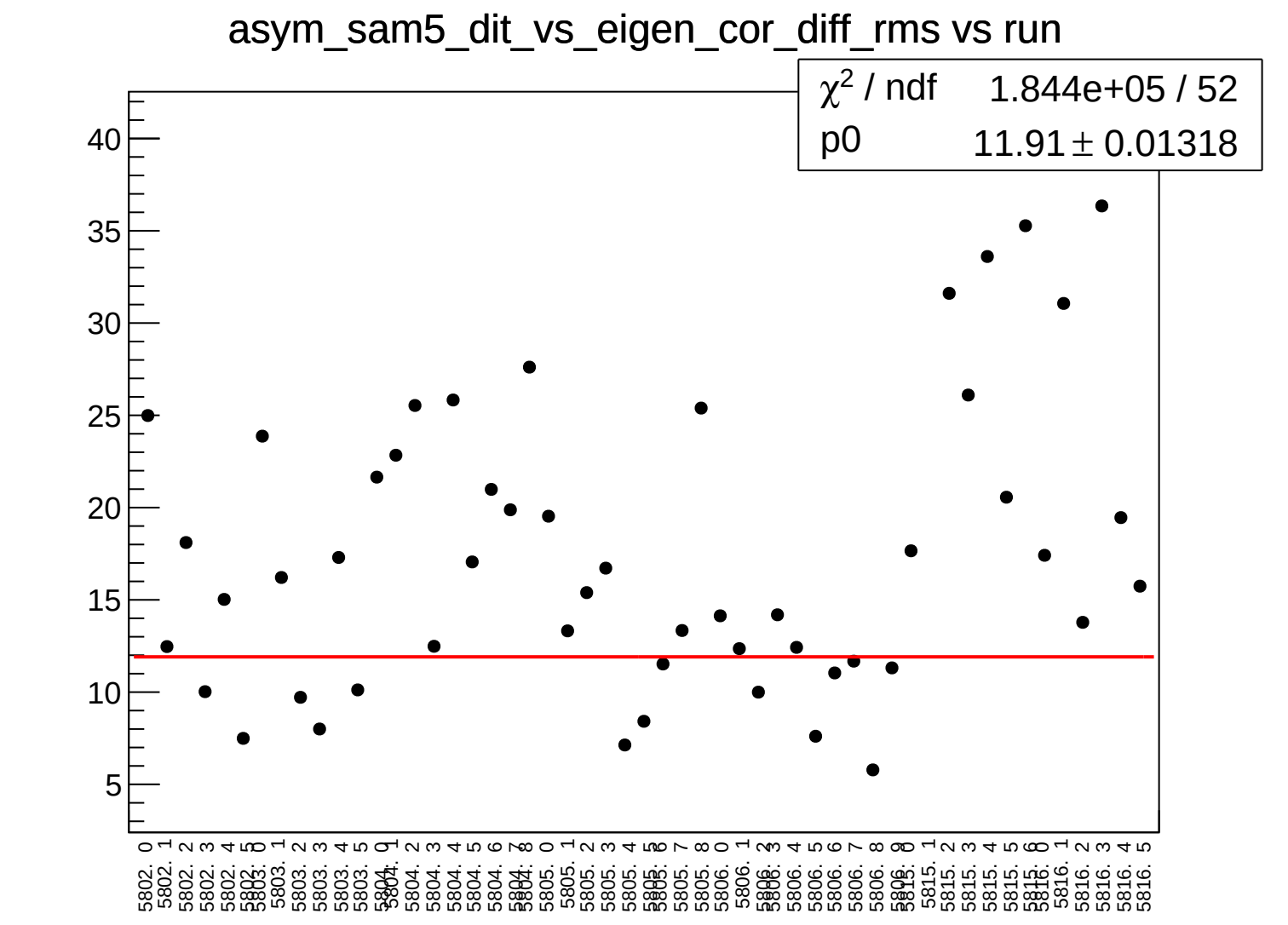

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 51.02 / 52
p0 −0.005253 ± 0.01863
pull
Entries 53
Mean 25.18
Std Dev 0

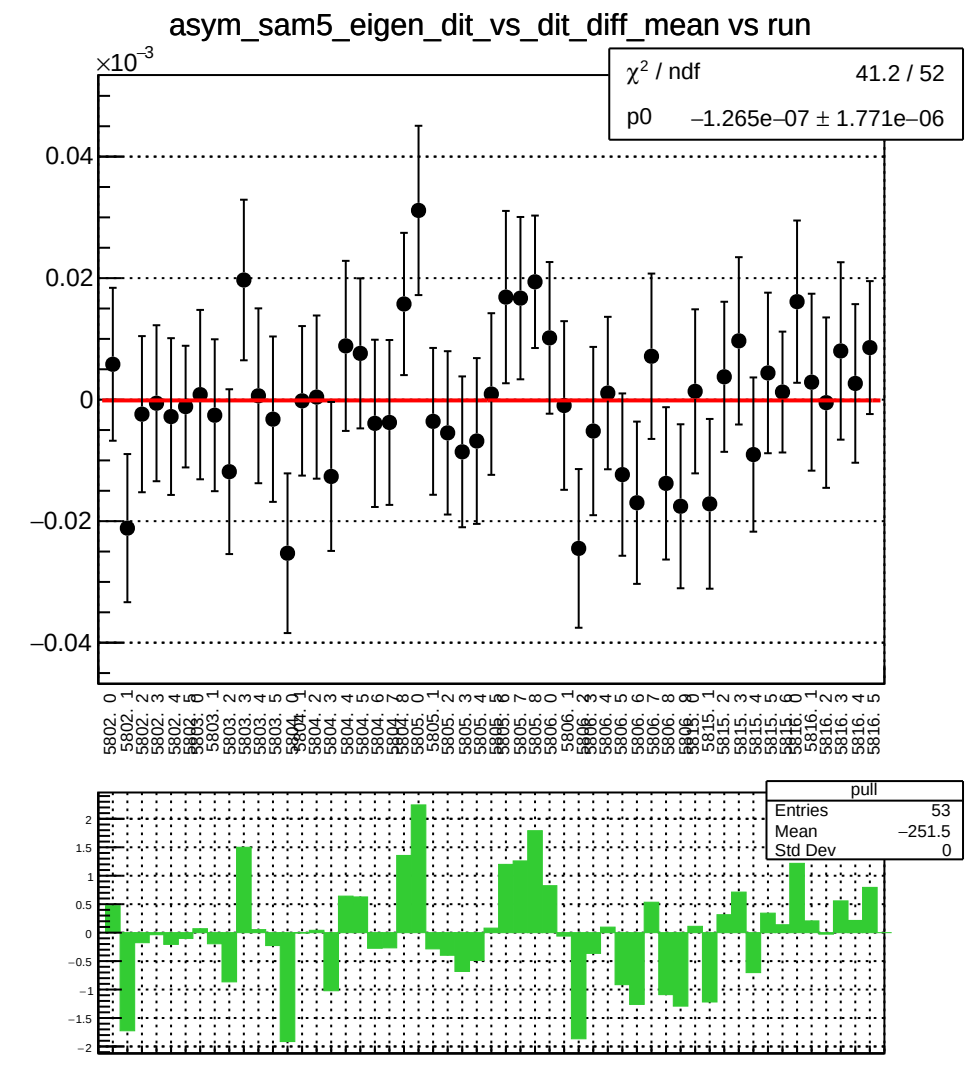

pull1D
Entries 53
Mean −0.07854
Std Dev 0.978

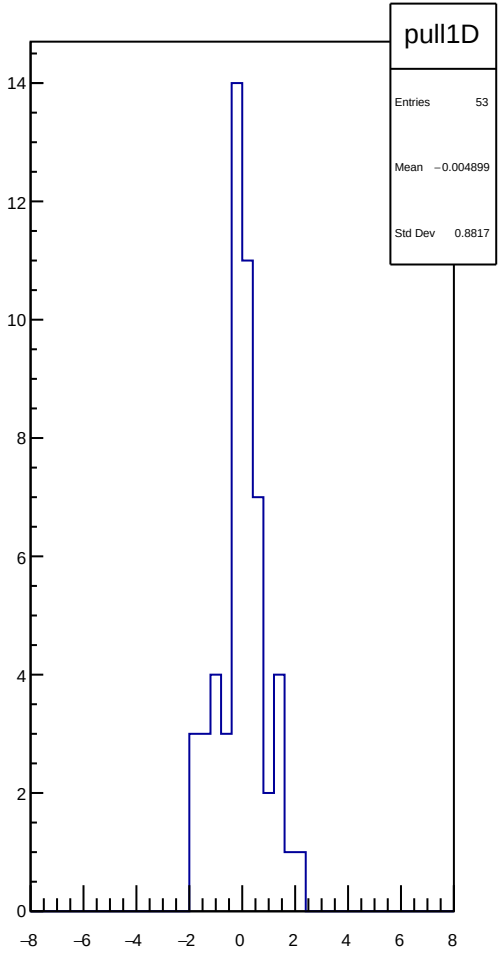

asym_sam5_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.844e+05 / 52
p0 11.91 ± 0.01318
40
35
30
25
20
15
10
5

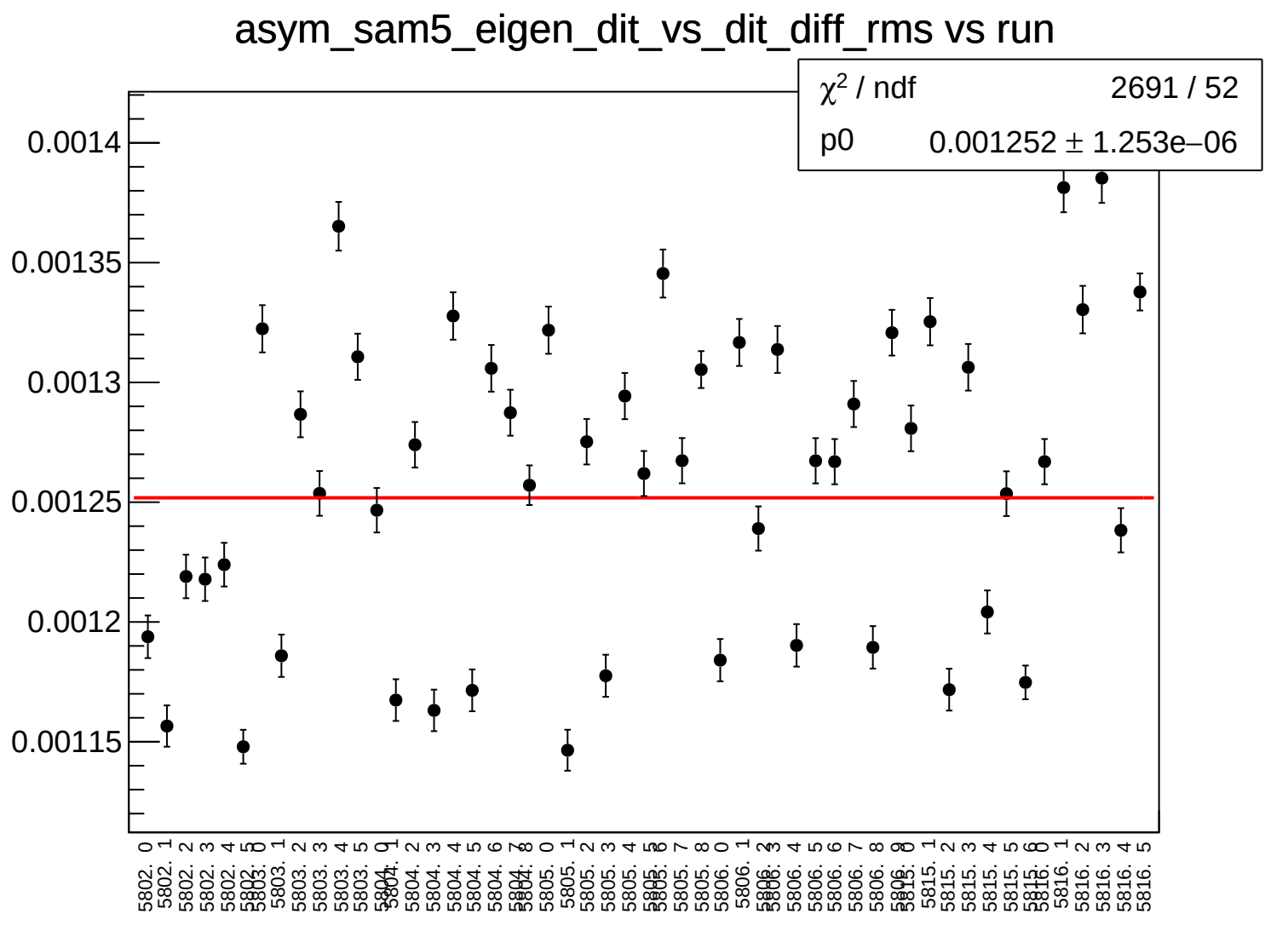

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.02 / 52
p0 −0.005253 ± 0.01863
pull
Entries 53
Mean 25.18
Std Dev 0

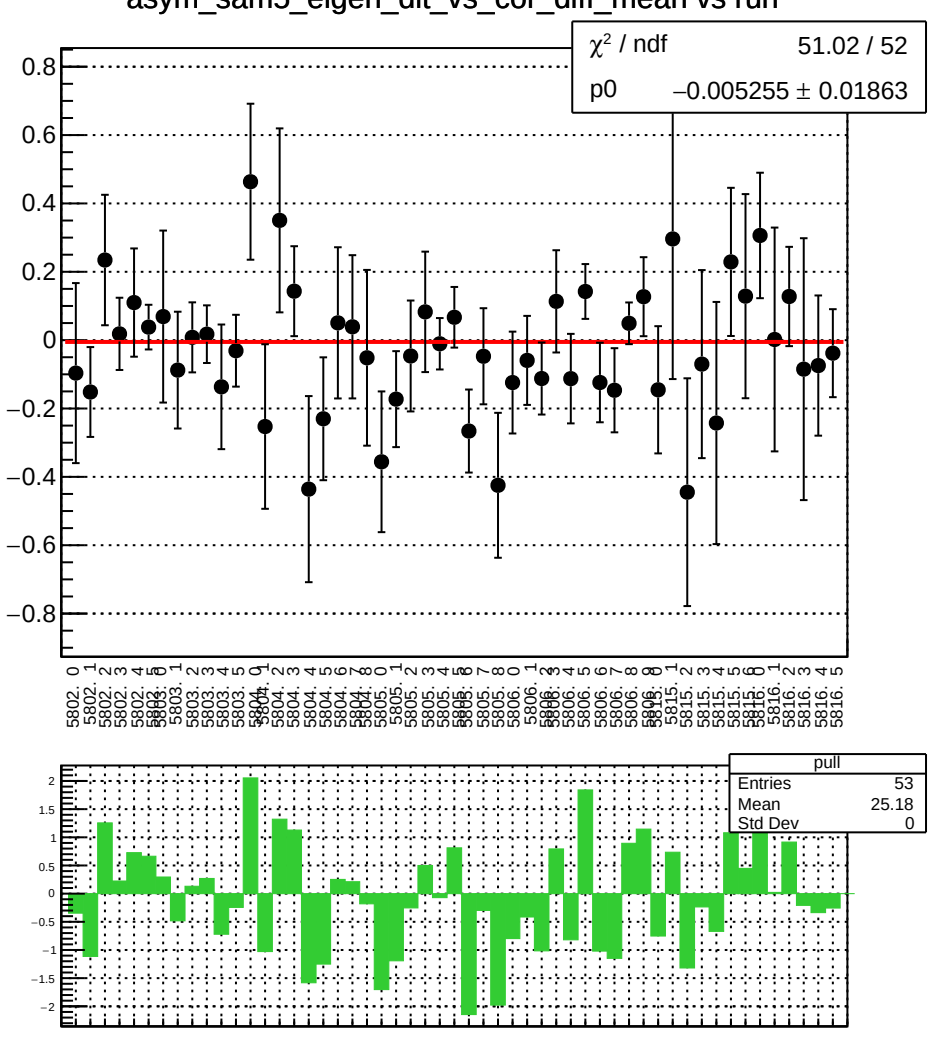

pull1D
Entries 53
Mean −0.07854
Std Dev 0.978

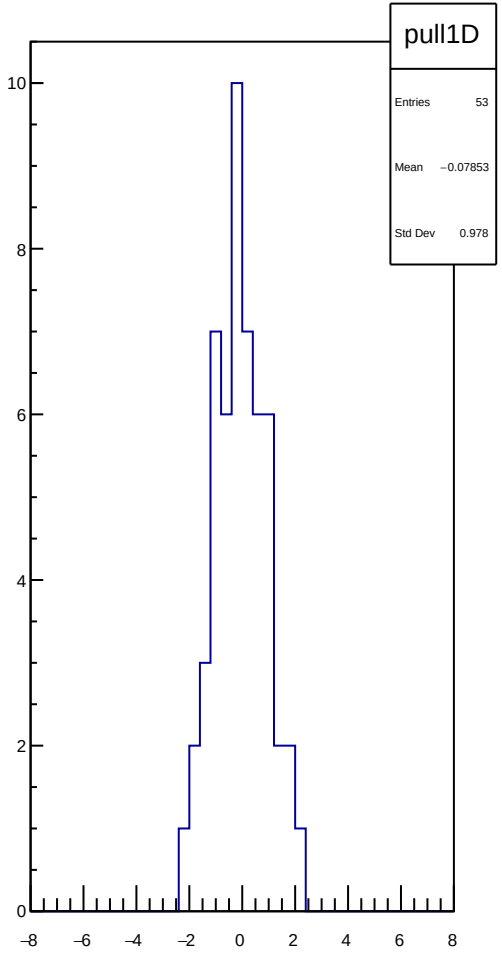

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.844e+05 / 52
p0 11.91 ± 0.01318
40
35
30
25
20
15
10
5

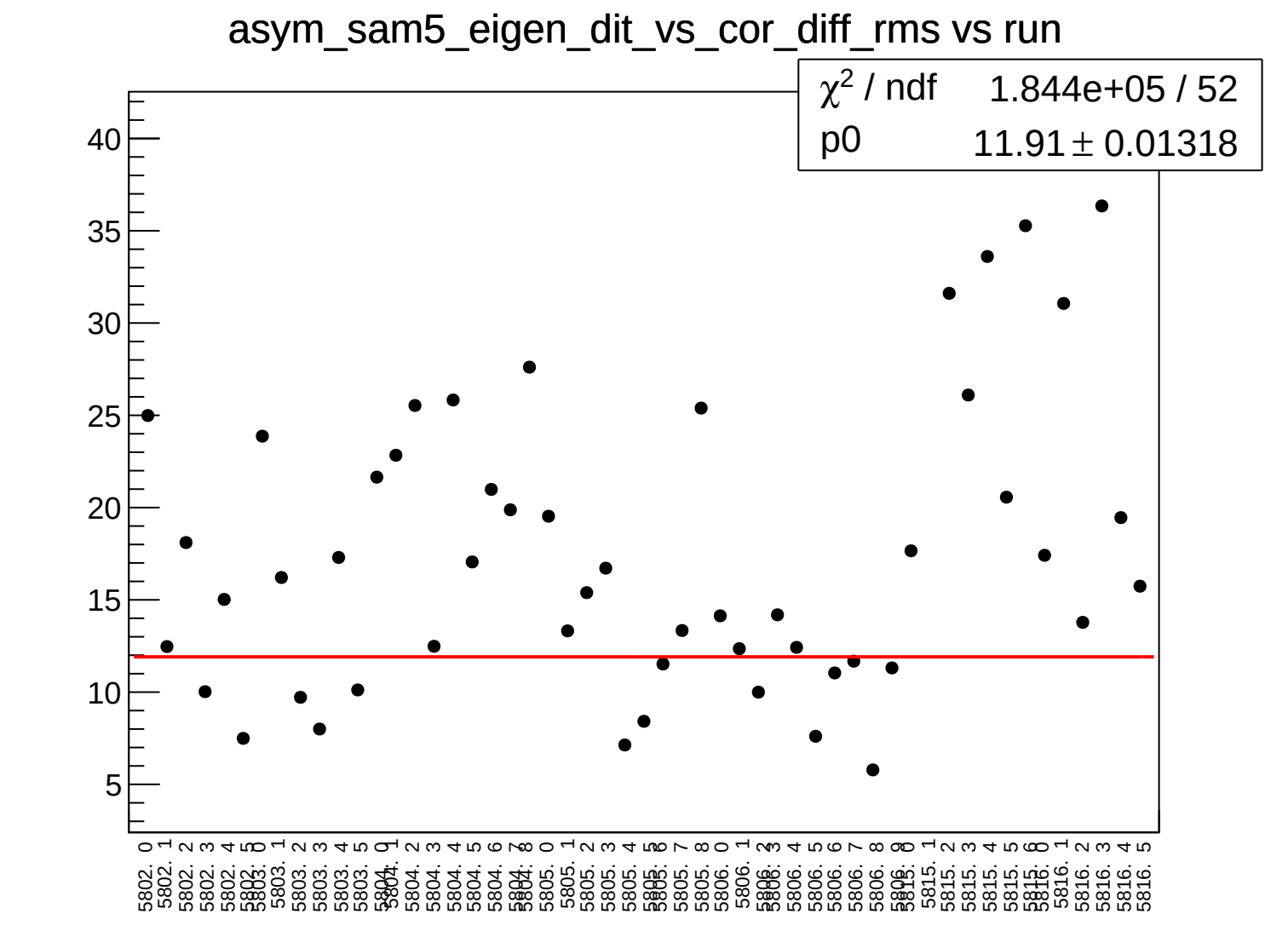

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.2 / 52
p0 −1.265e−07 ± 1.771e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −251.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

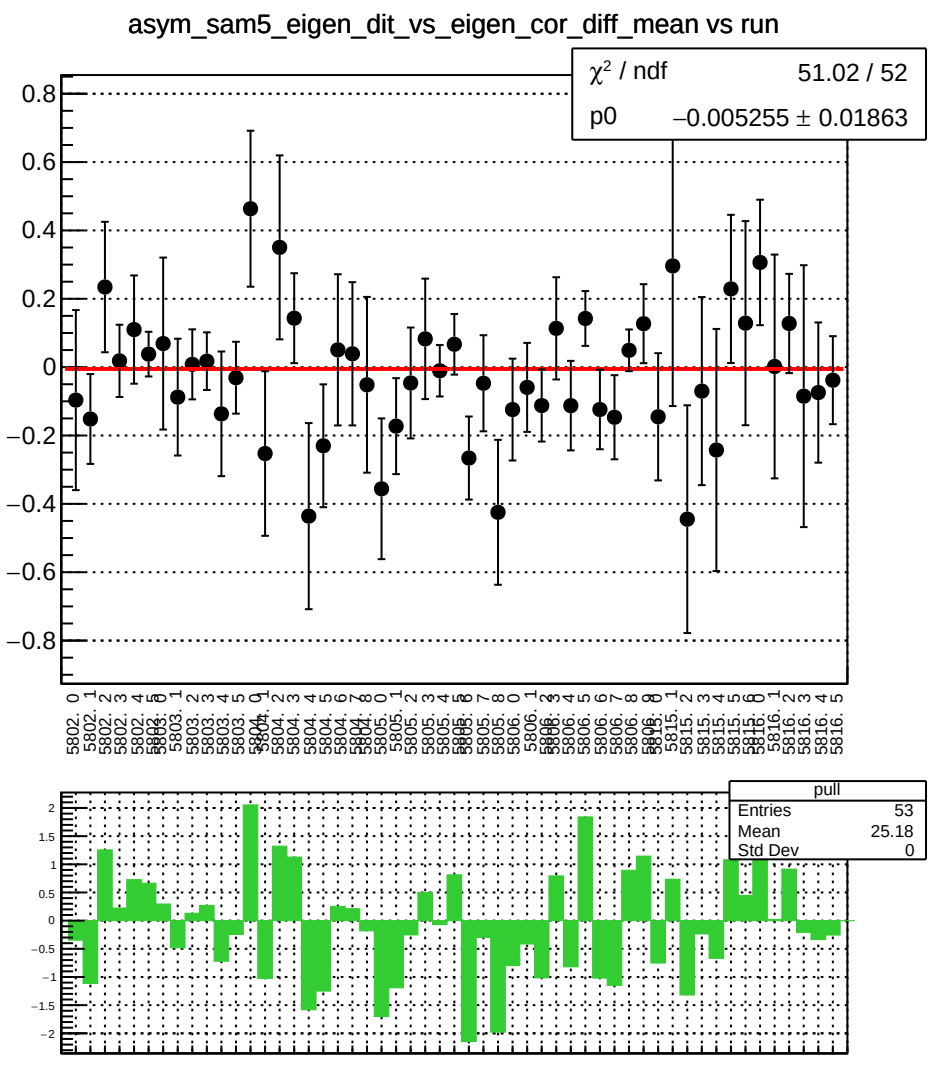

pull1D
Entries 53
Mean −0.004899
Std Dev 0.8817
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

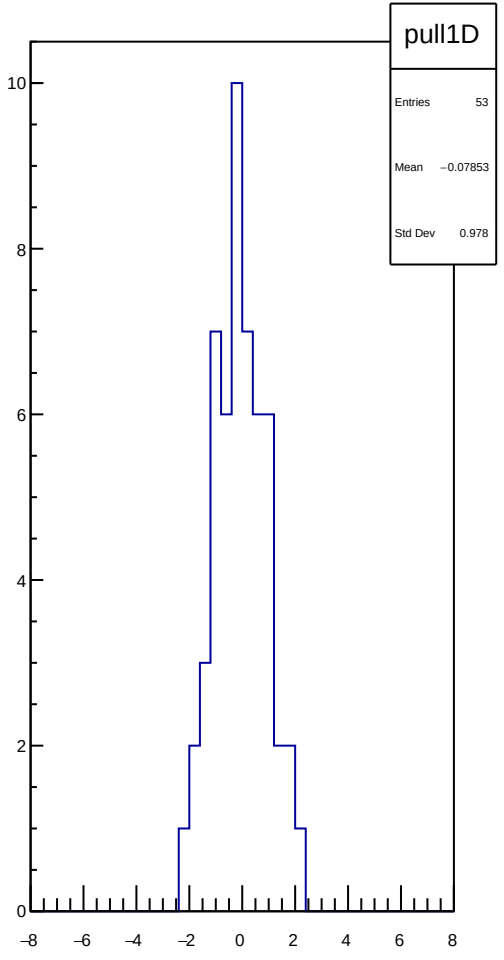

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2691 / 52
p0 0.001252 ± 1.253e−06
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

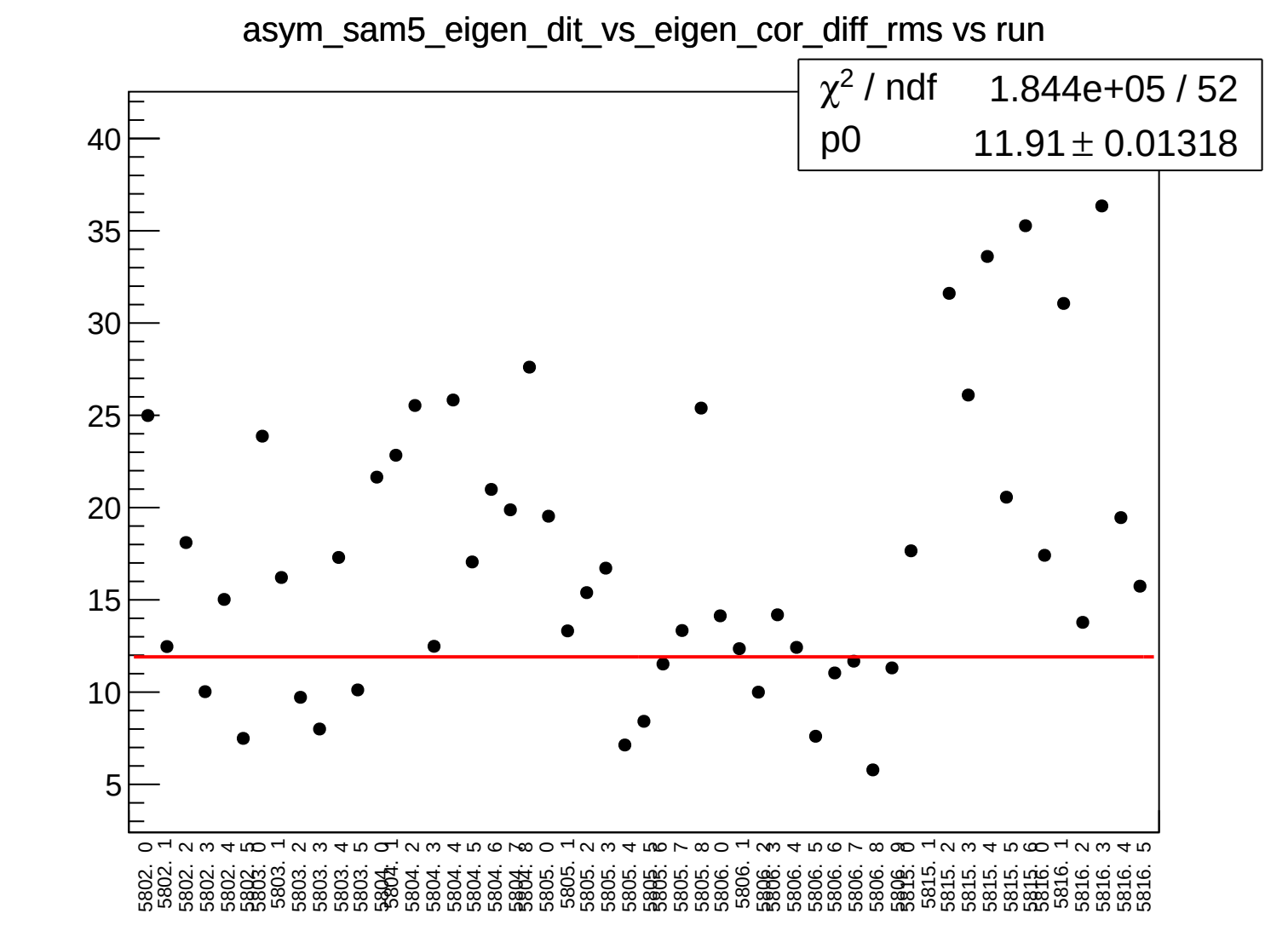

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.02 / 52
p0 −0.005255 ± 0.01863
pull
Entries 53
Mean 25.18
Std Dev 0

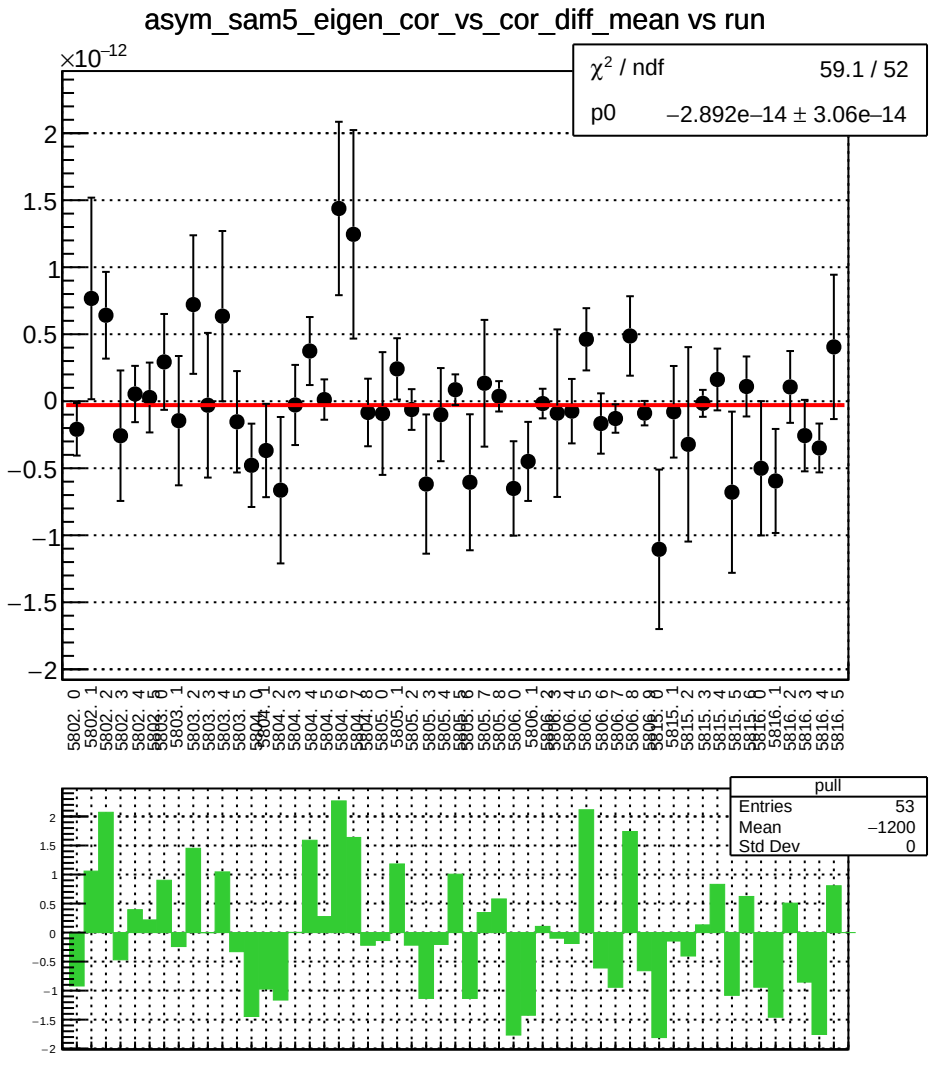

pull1D
Entries 53
Mean −0.07853
Std Dev 0.978

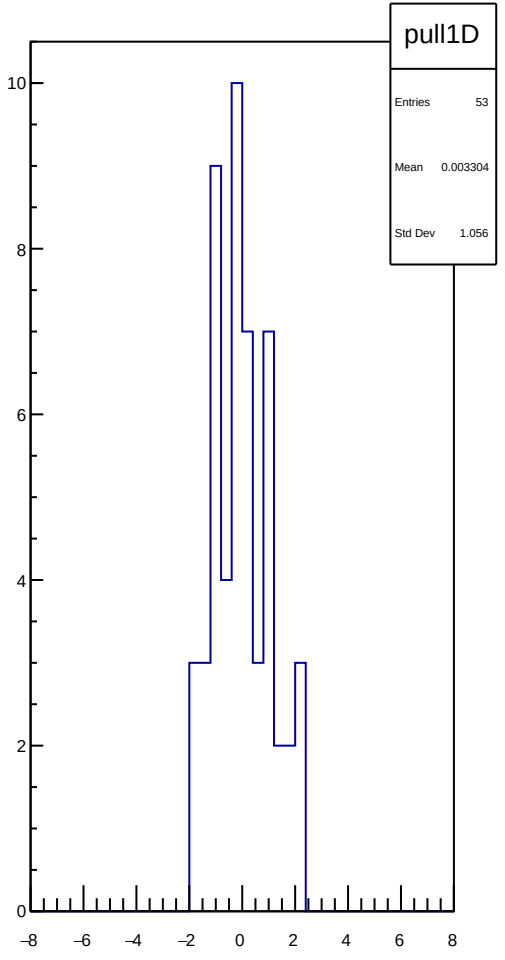

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.844e+05 / 52
p0 11.91 ± 0.01318
40
35
30
25
20
15
10
5

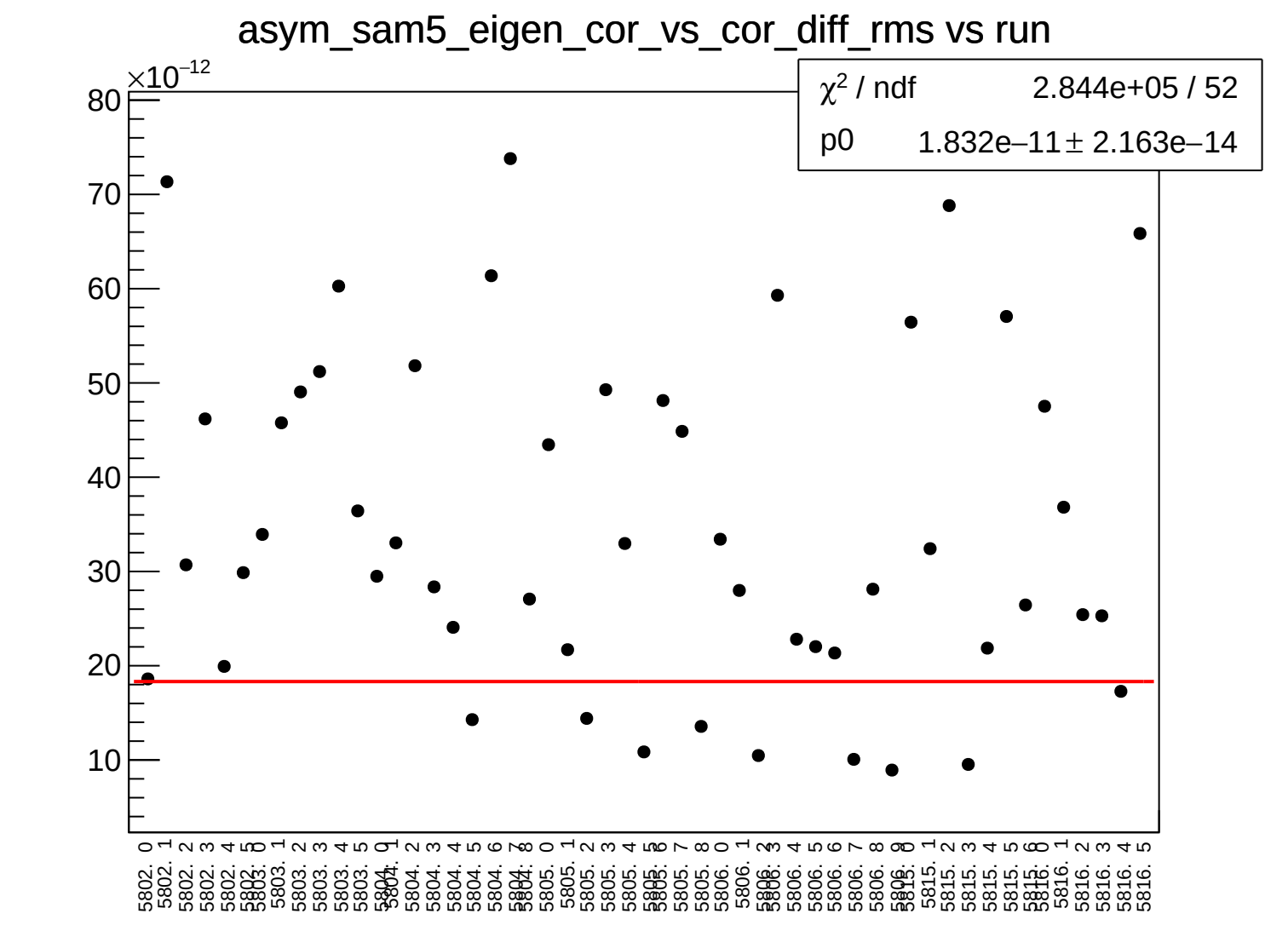

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.02 / 52
p0 −0.005255 ± 0.01863
pull
Entries 53
Mean 25.18
Std Dev 0

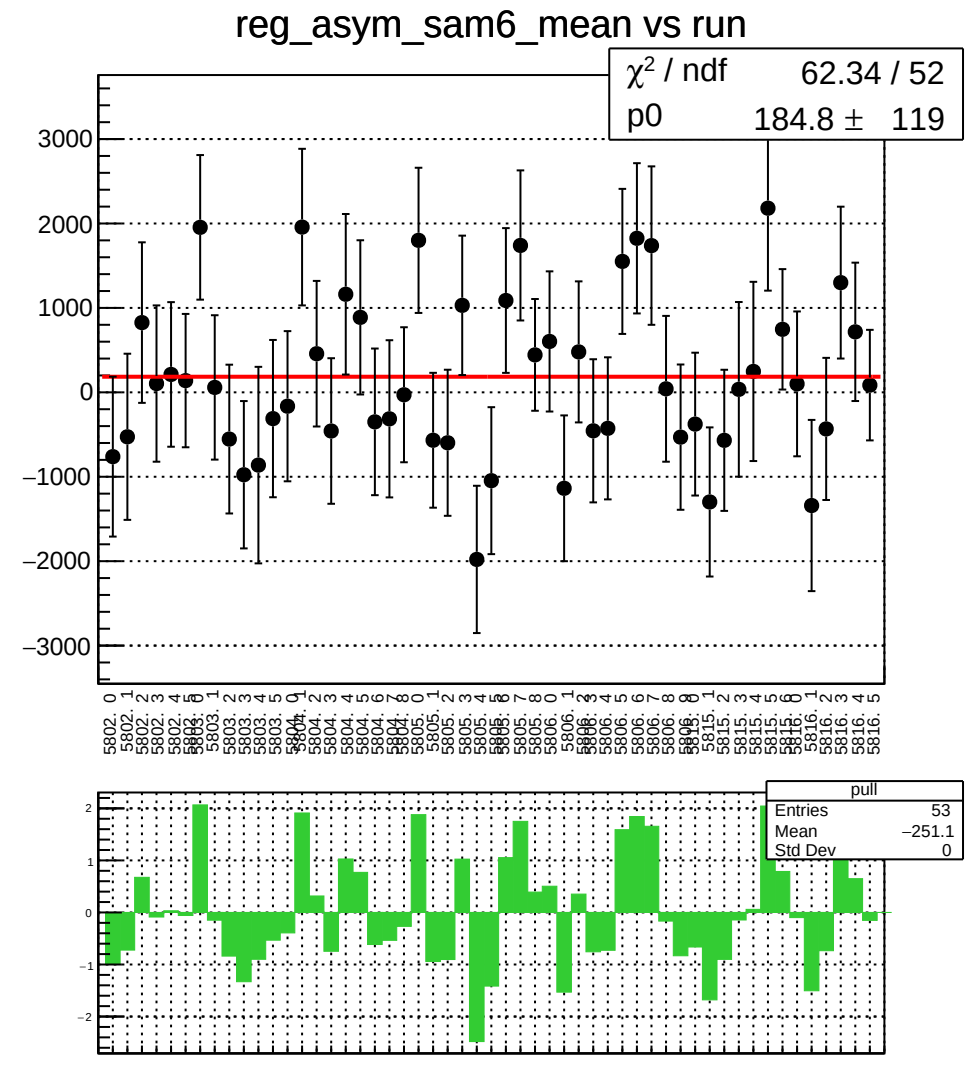

pull1D
Entries 53
Mean −0.07853
Std Dev 0.978

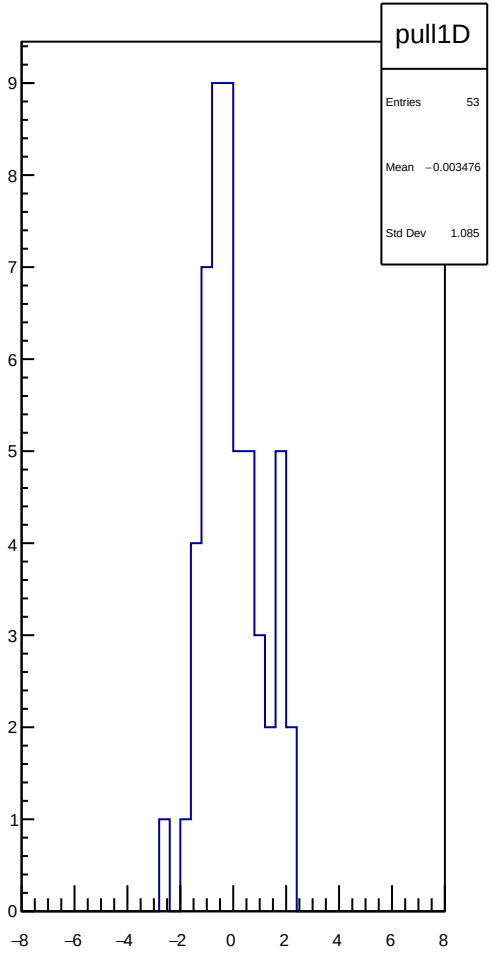

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.844e+05 / 52
p0 11.91 ± 0.01318
40
35
30
25
20
15
10
5

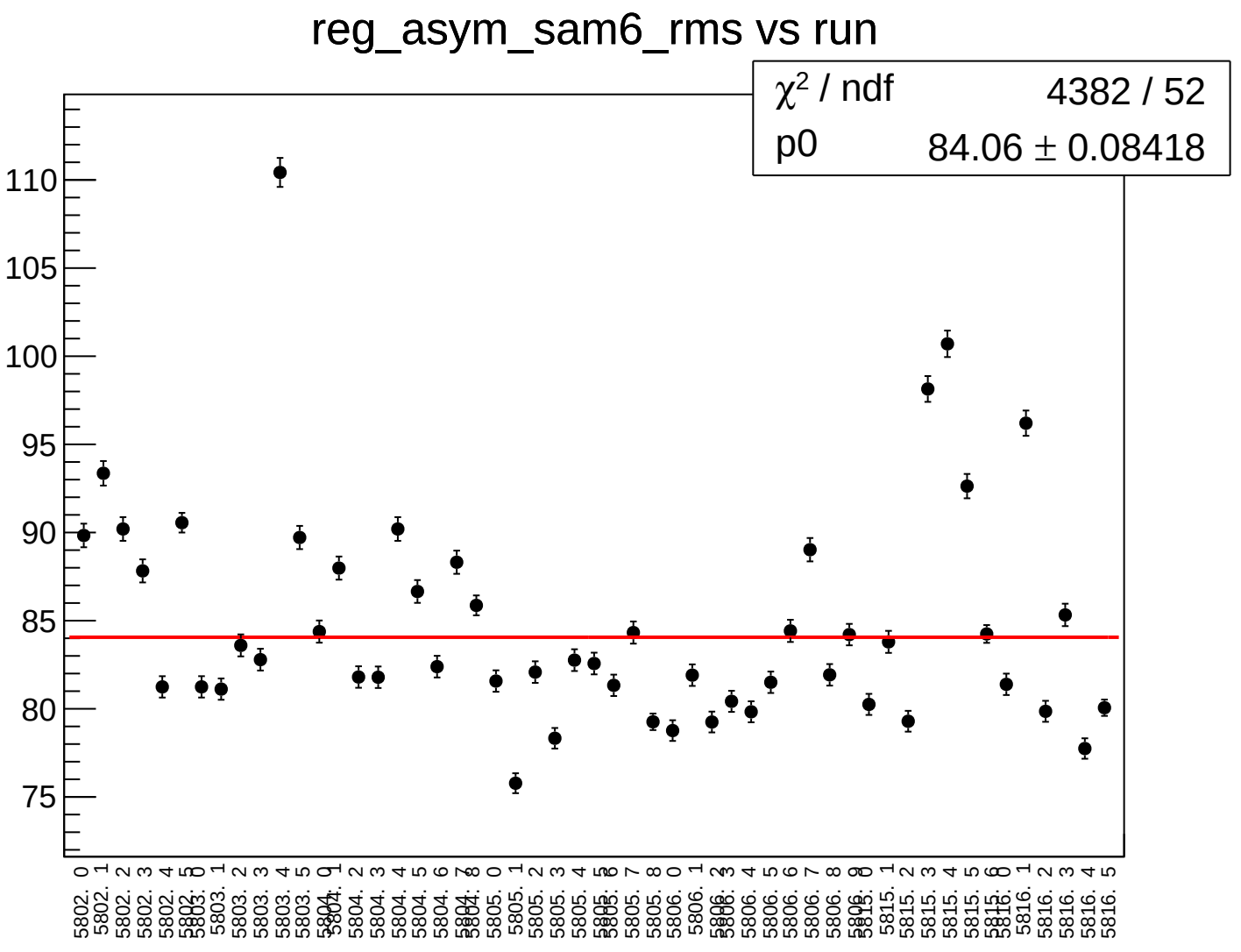

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.1 / 52
p0 −2.892e−14 ± 3.06e−14
pull
Entries 53
Mean −1200
Std Dev 0

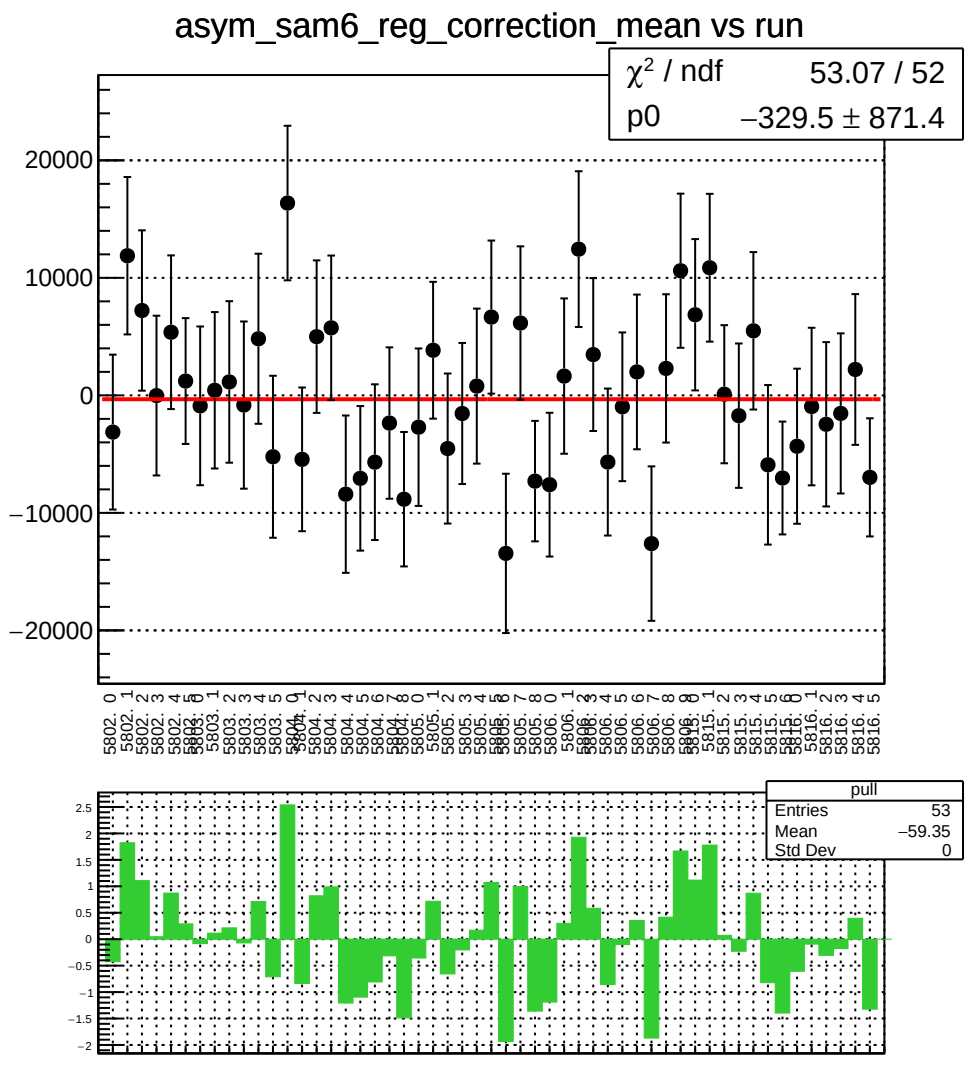

pull1D
Entries 53
Mean 0.003304
Std Dev 1.056

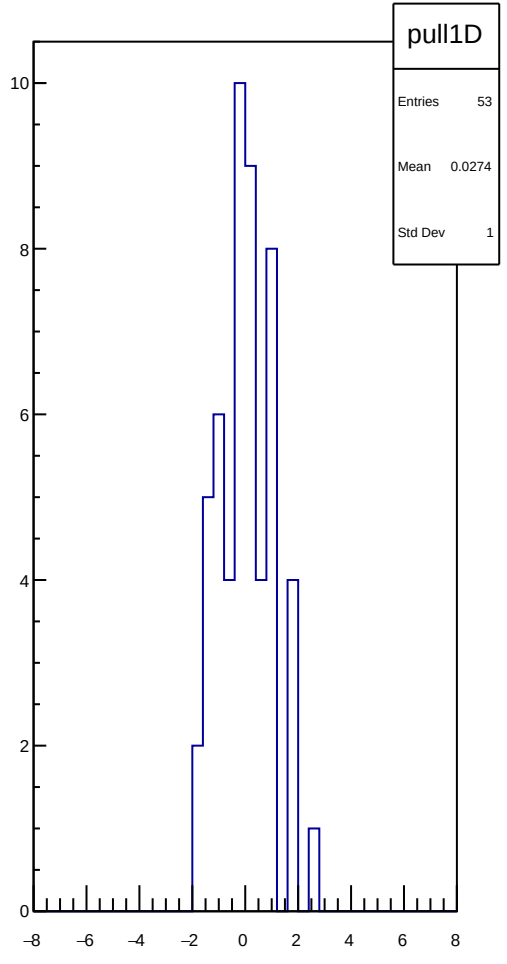

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.844e+05 / 52
p0 1.832e−11 ± 2.163e−14
80
70
60
50
40
30
20
10

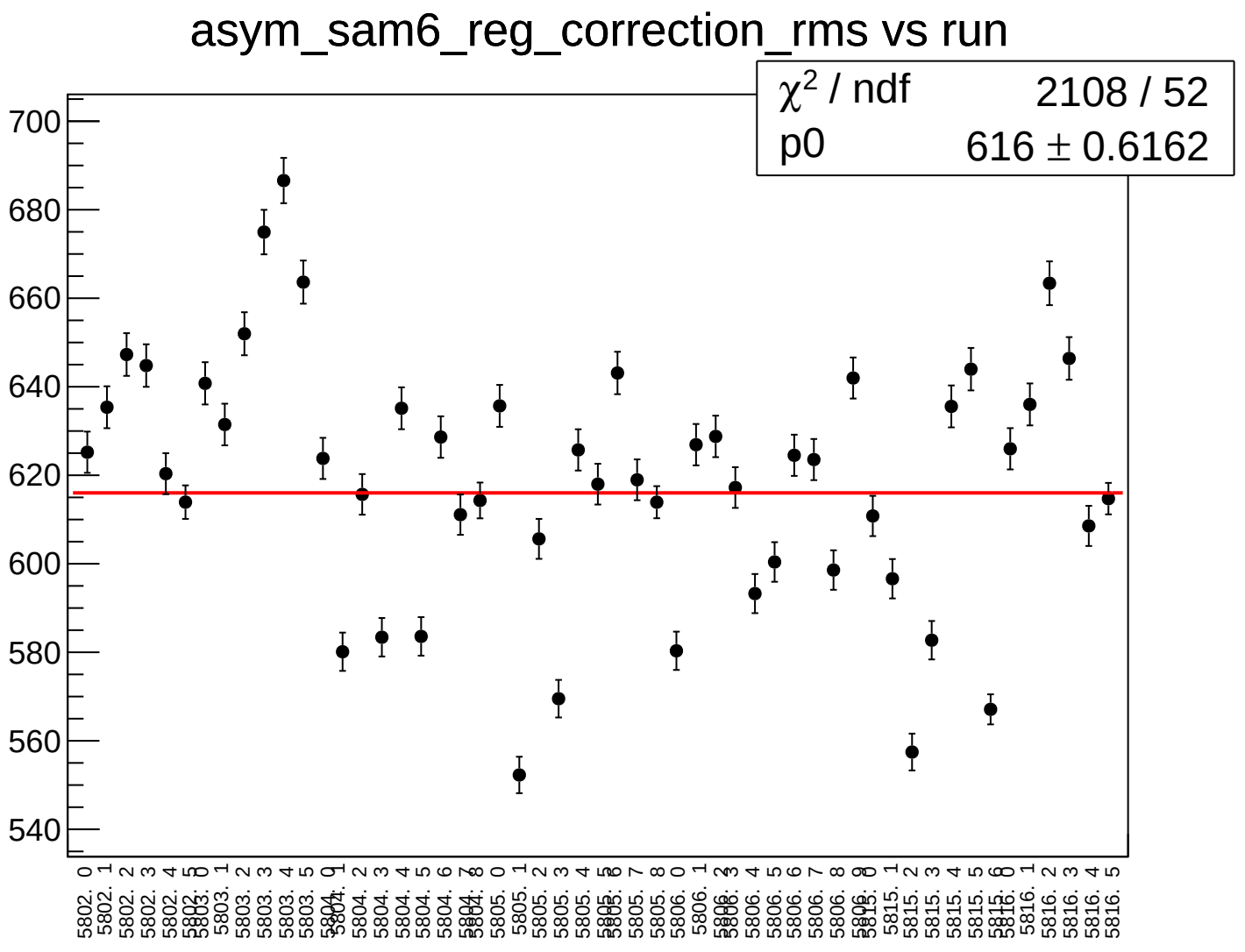

reg_asym_sam6_mean vs run
χ² / ndf 62.34 / 52
p0 184.8 ± 119
pull
Entries 53
Mean −251.1
Std Dev 0

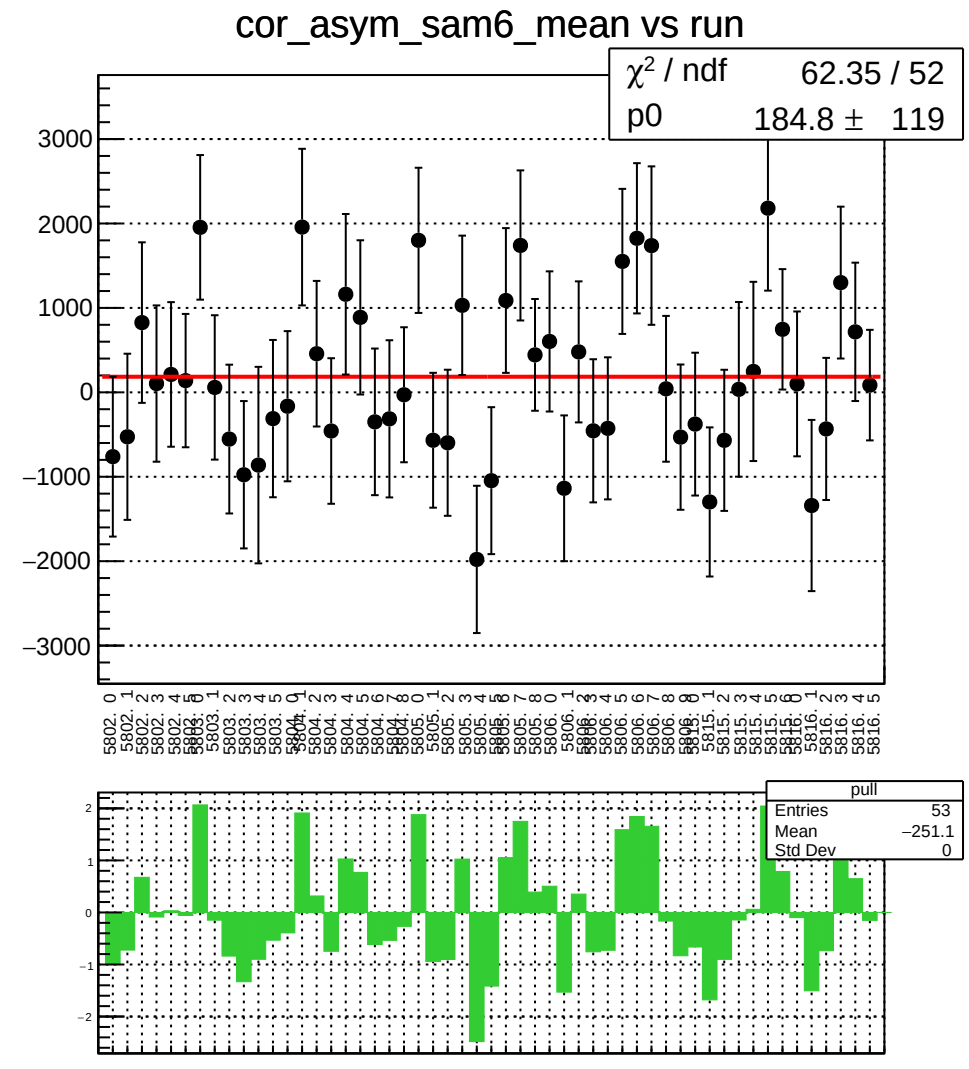

pull1D
Entries 53
Mean −0.003476
Std Dev 1.085

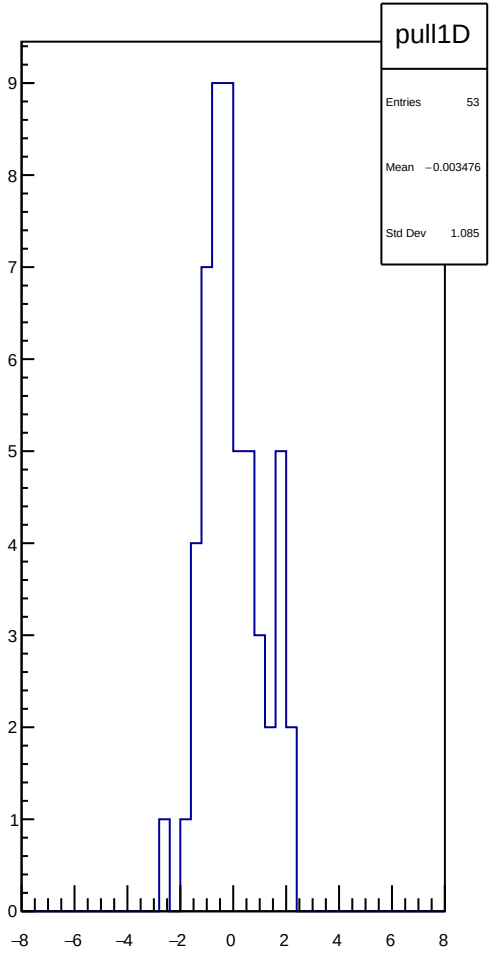

reg_asym_sam6_rms vs run
χ² / ndf 4382 / 52
p0 84.06 ± 0.08418
110
105
100
95
90
85
80
75

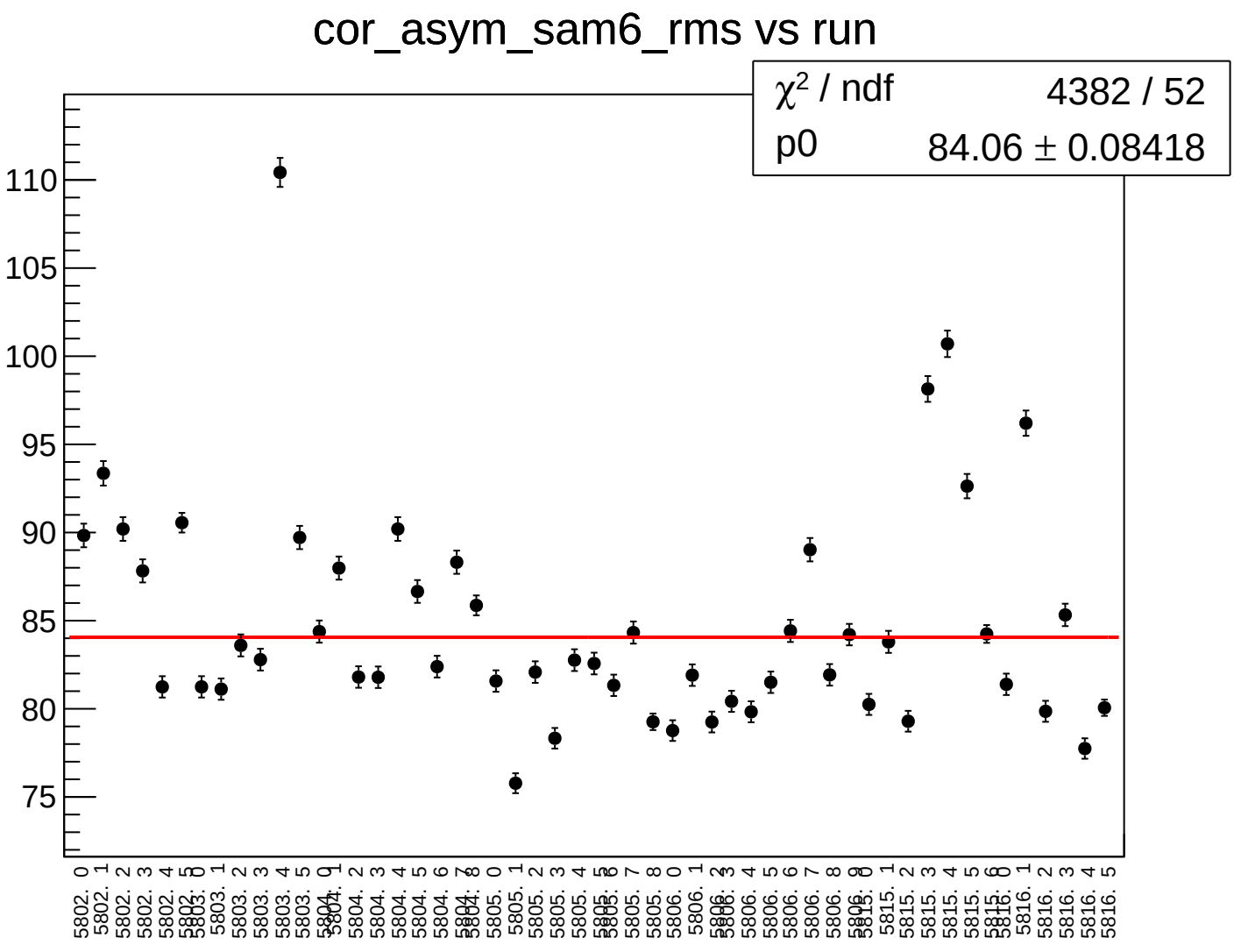

asym_sam6_reg_correction_mean vs run
χ² / ndf 53.07 / 52
p0 −329.5 ± 871.4
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −59.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

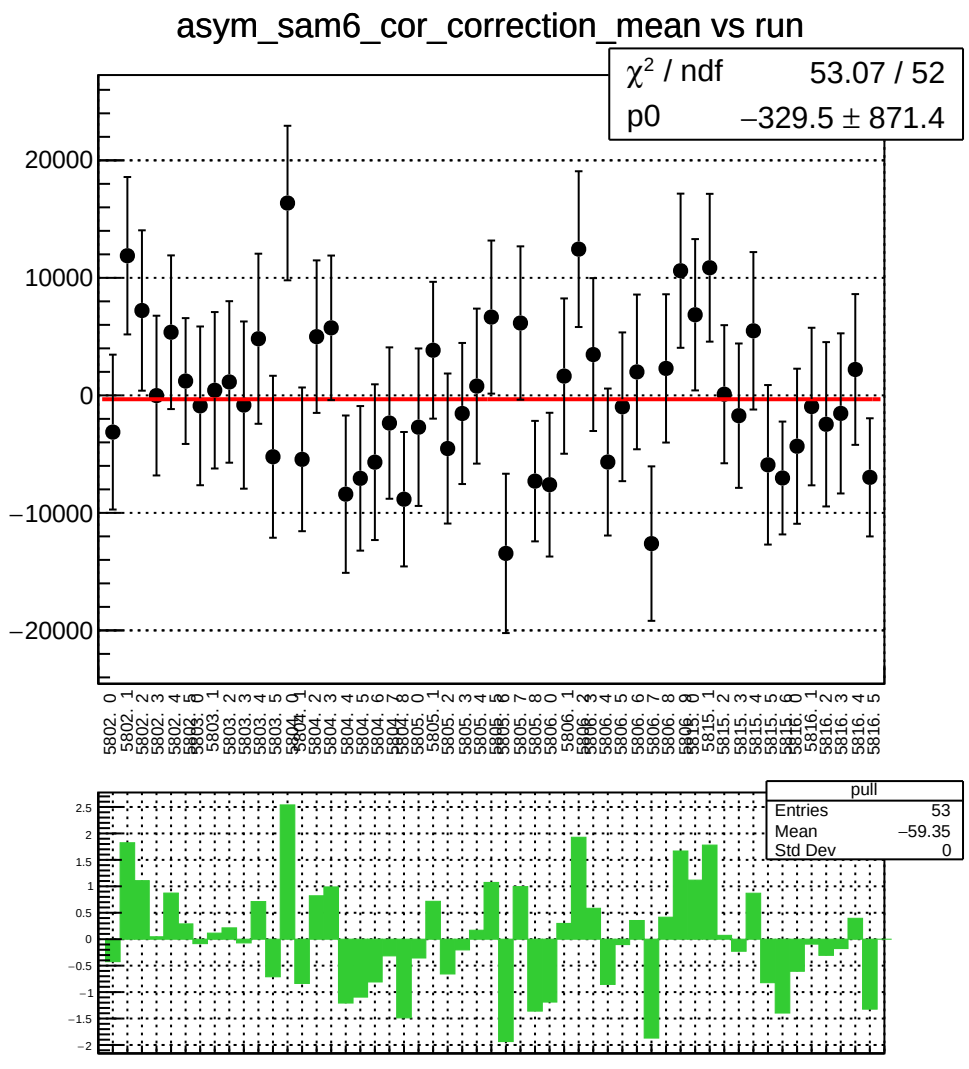

pull1D
Entries 53
Mean 0.0274
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

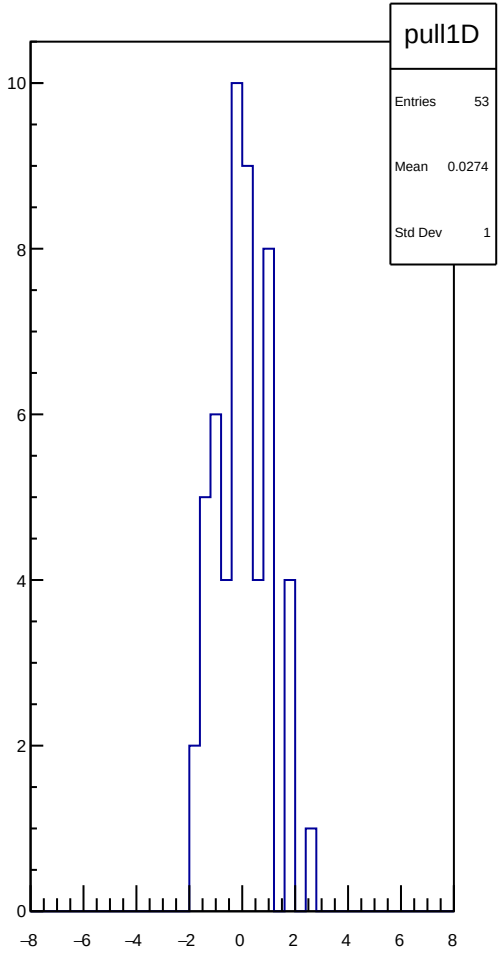

asym_sam6_reg_correction_rms vs run
χ² / ndf 2108 / 52
p0 616 ± 0.6162
700
680
660
640
620
600
580
560
540

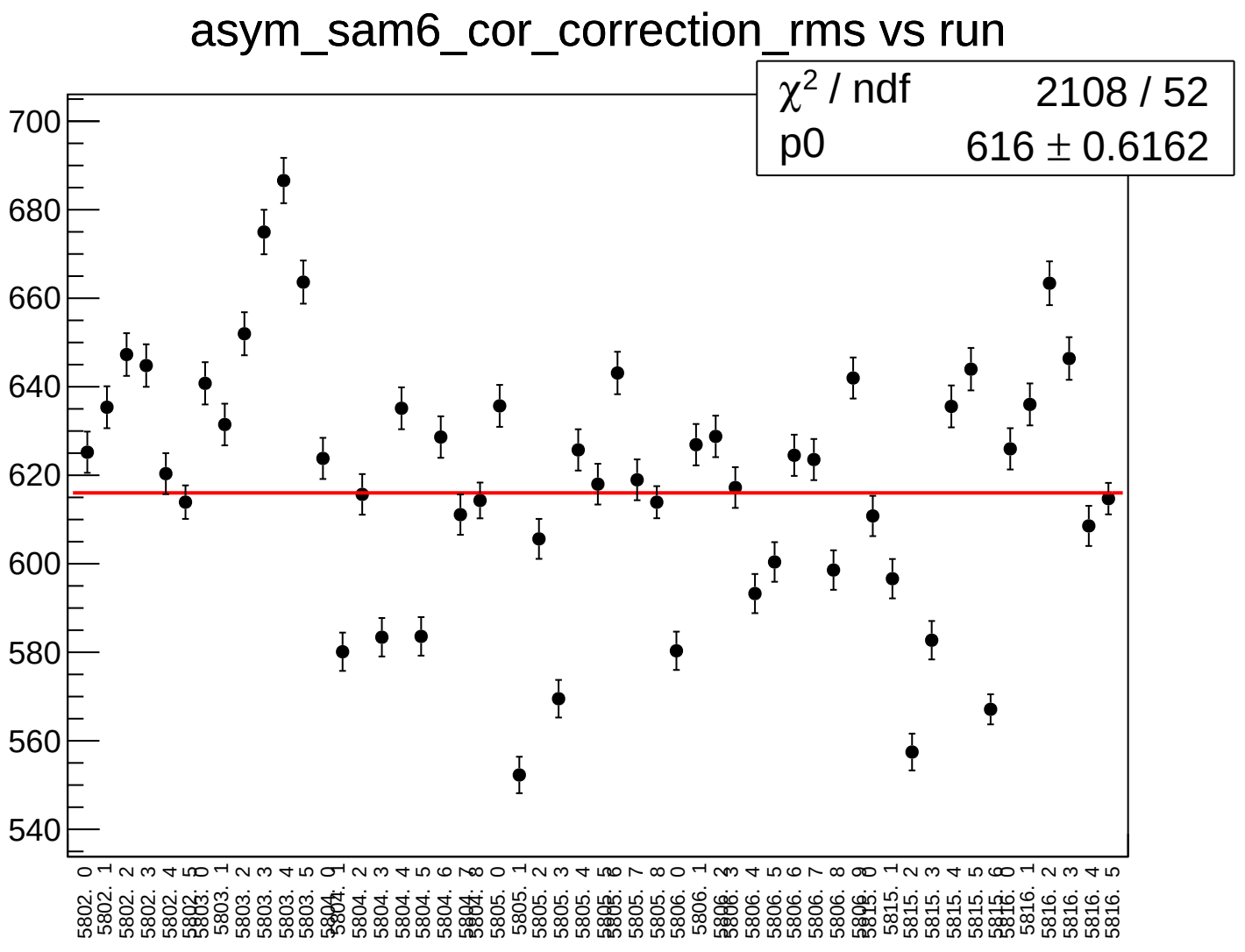

cor_asym_sam6_mean vs run
χ² / ndf 62.35 / 52
p0 184.8 ± 119
pull
Entries 53
Mean −251.1
Std Dev 0

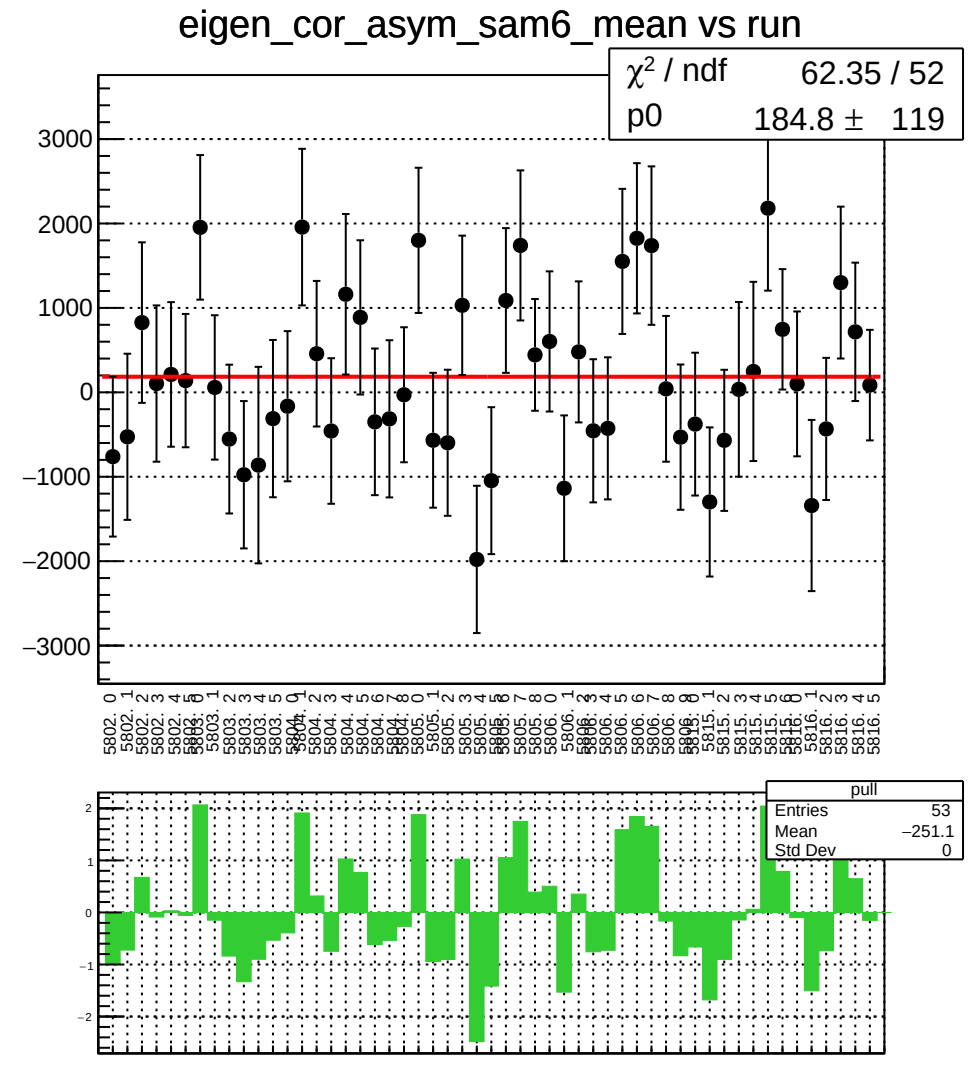

pull1D
Entries 53
Mean −0.003476
Std Dev 1.085

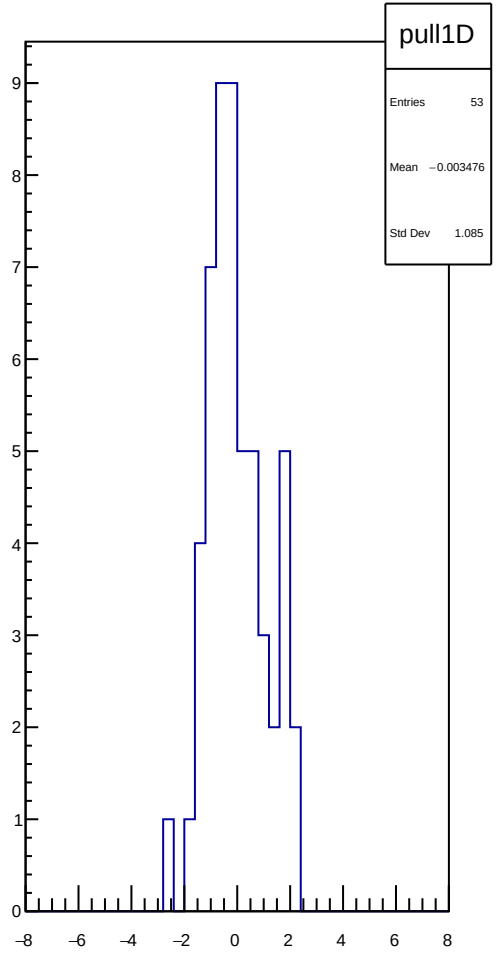

cor_asym_sam6_rms vs run
χ² / ndf 4382 / 52
p0 84.06 ± 0.08418
110
105
100
95
90
85
80
75

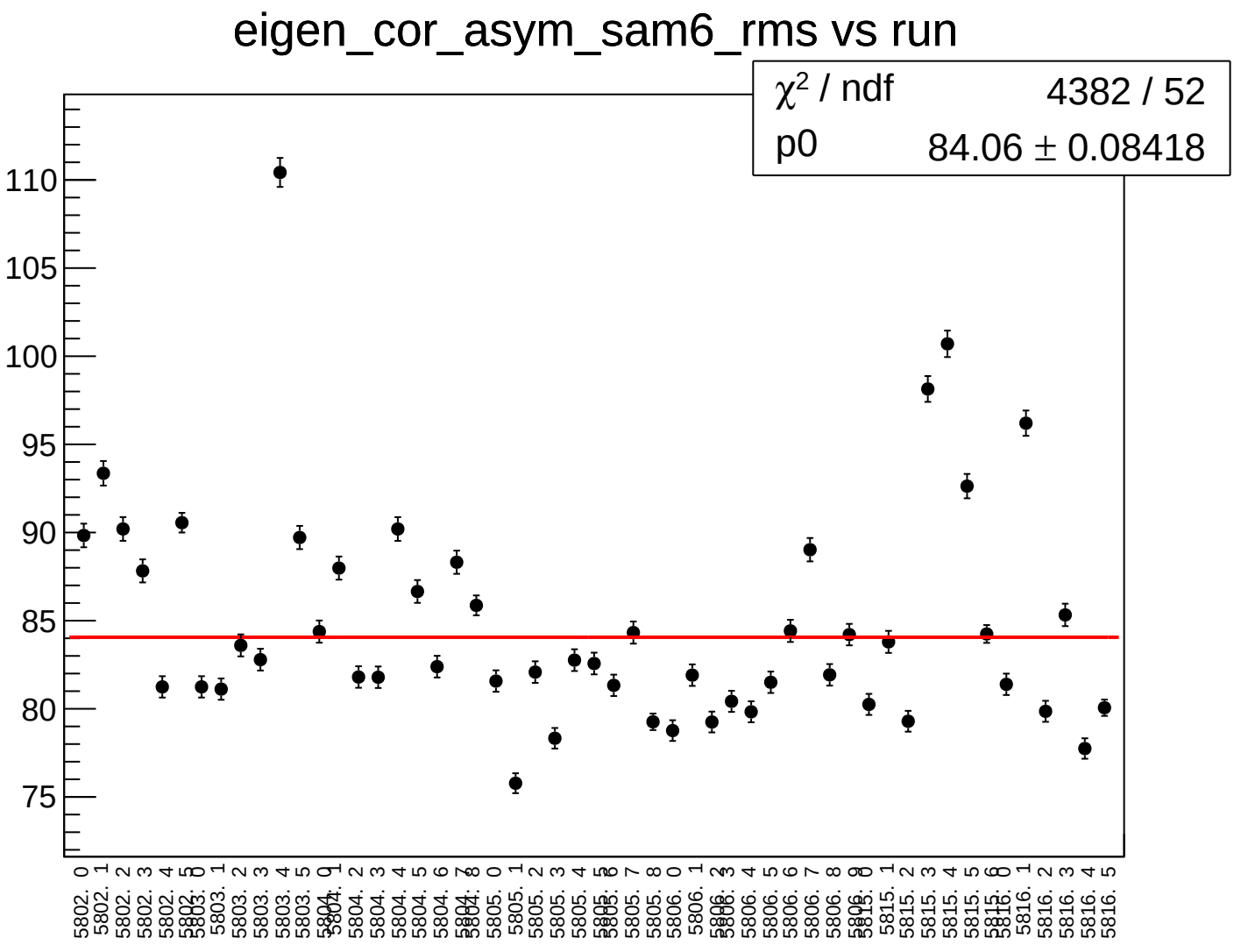

asym_sam6_cor_correction_mean vs run
χ² / ndf 53.07 / 52
p0 −329.5 ± 871.4
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −59.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

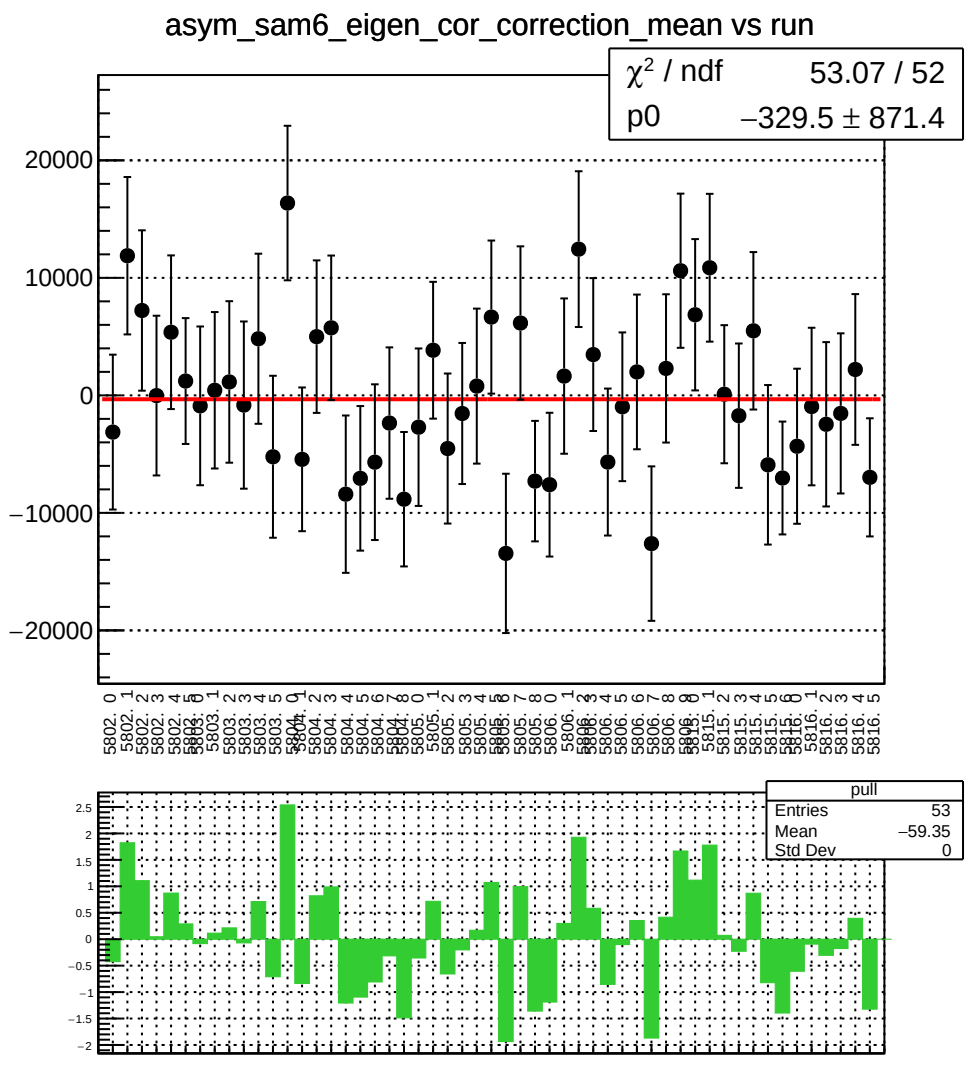

pull1D
Entries 53
Mean 0.0274
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

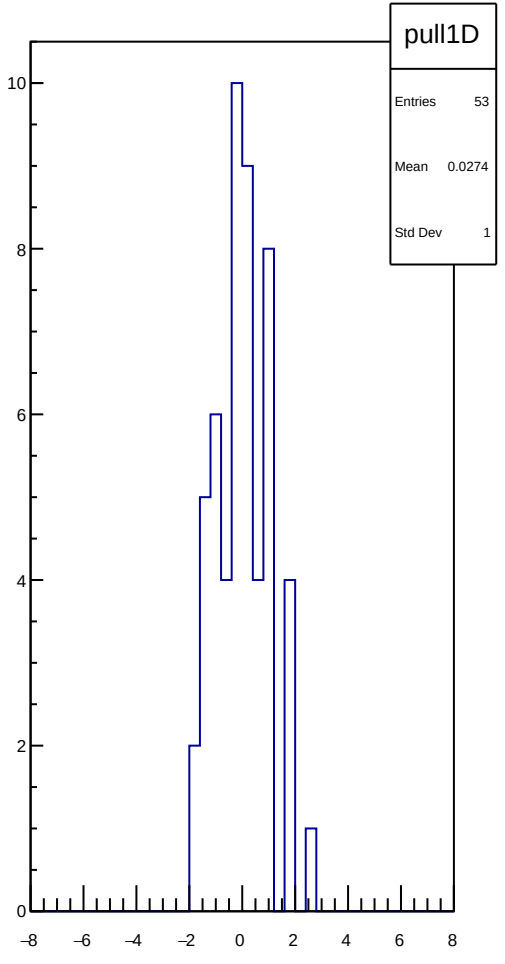

asym_sam6_cor_correction_rms vs run
χ² / ndf 2108 / 52
p0 616 ± 0.6162
700
680
660
640
620
600
580
560
540

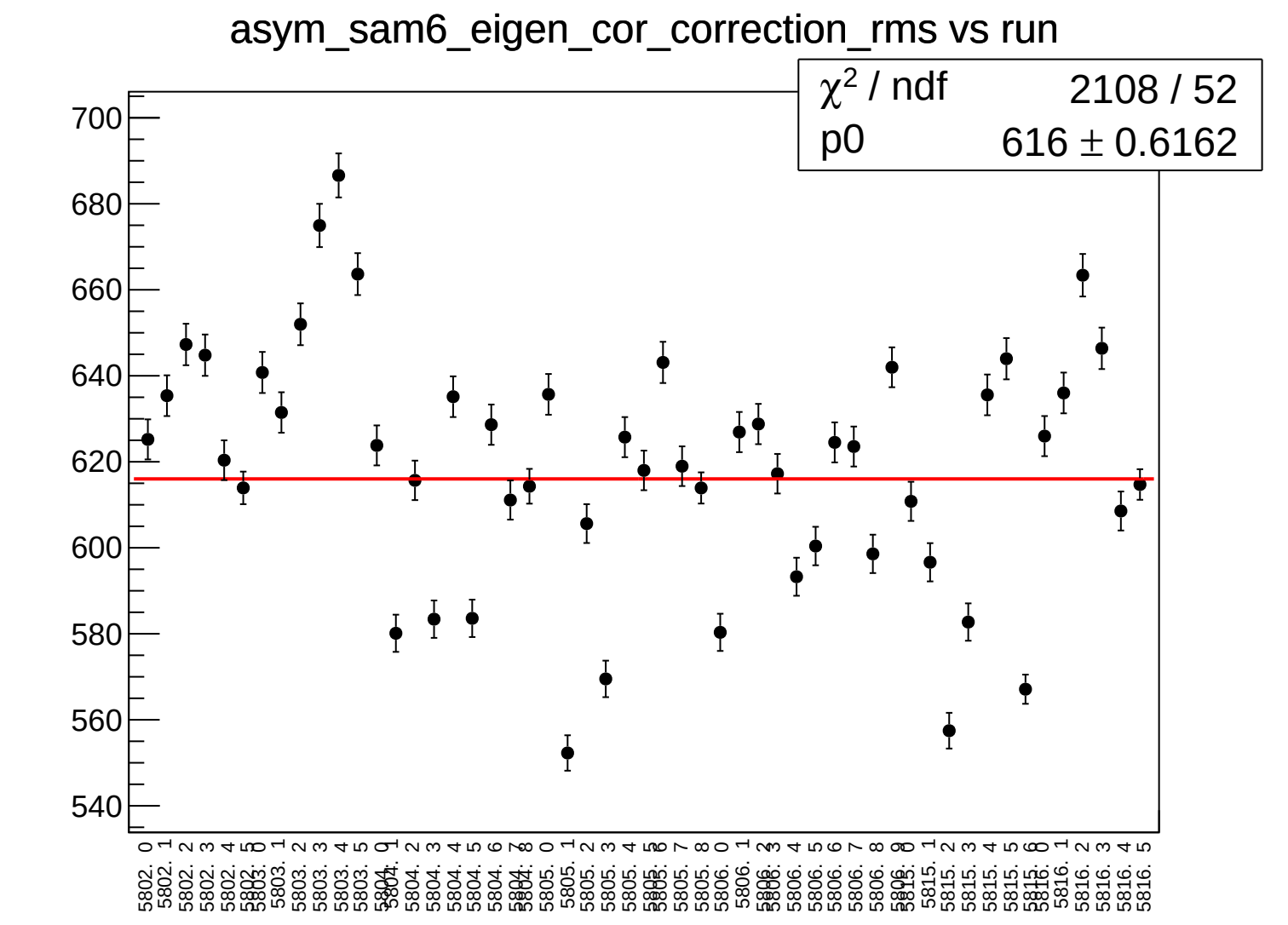

eigen_cor_asym_sam6_mean vs run
χ² / ndf 62.35 / 52
p0 184.8 ± 119
pull
Entries 53
Mean −251.1
Std Dev 0

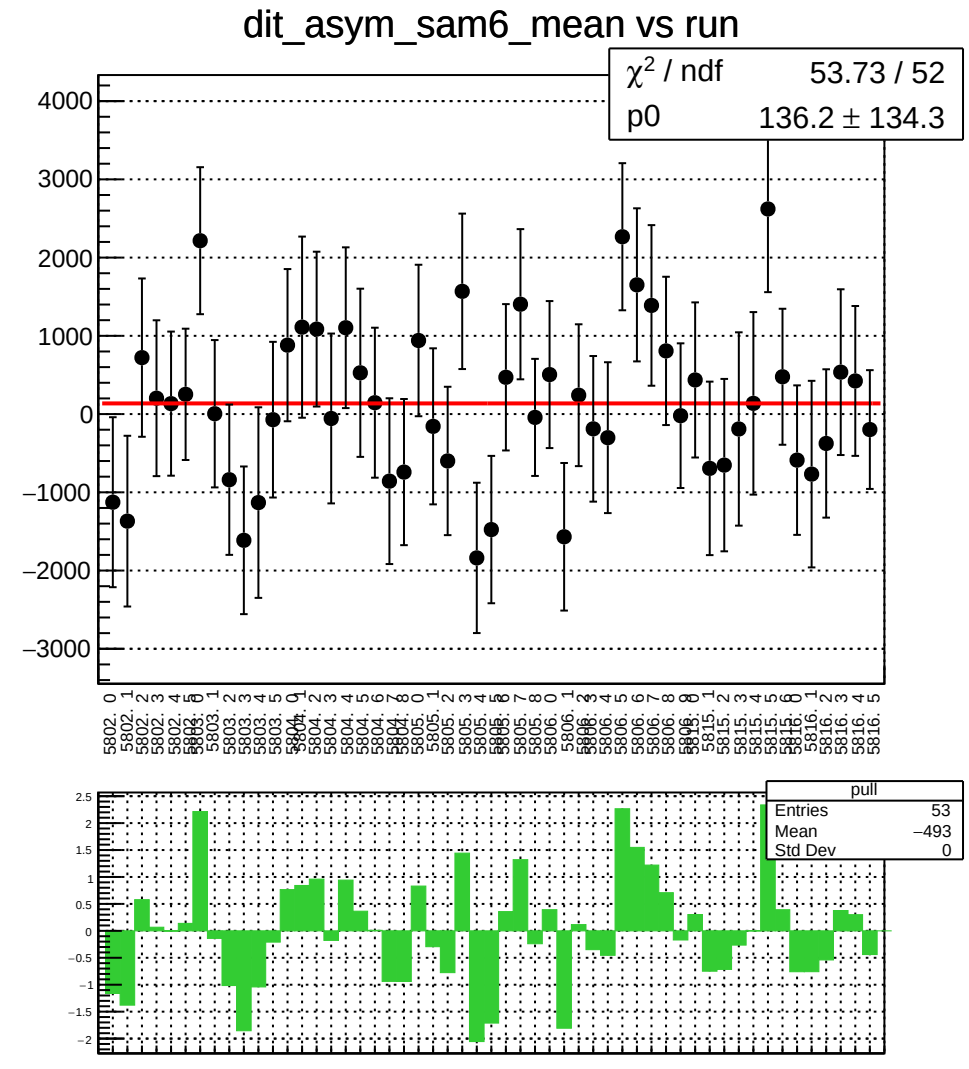

pull1D
Entries 53
Mean −0.003476
Std Dev 1.085

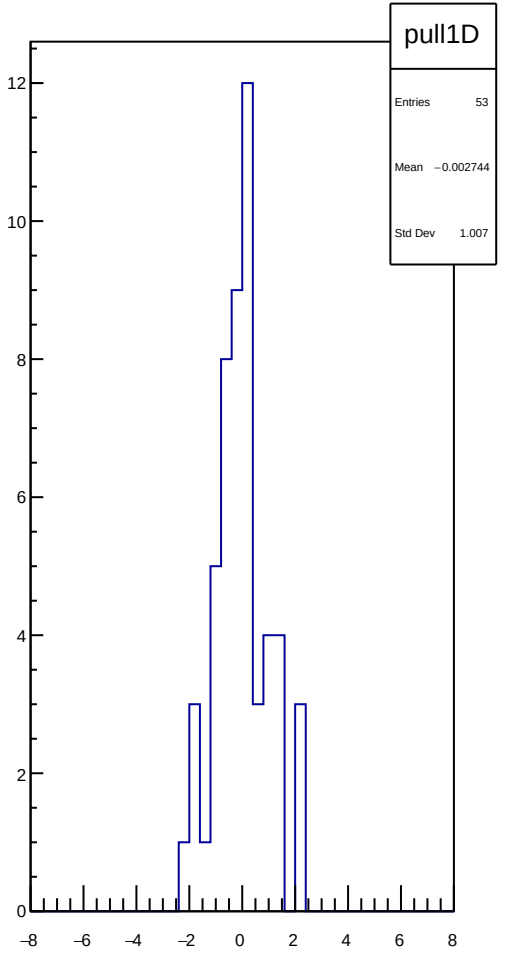

eigen_cor_asym_sam6_rms vs run
χ² / ndf 4382 / 52
p0 84.06 ± 0.08418
110
105
100
95
90
85
80
75

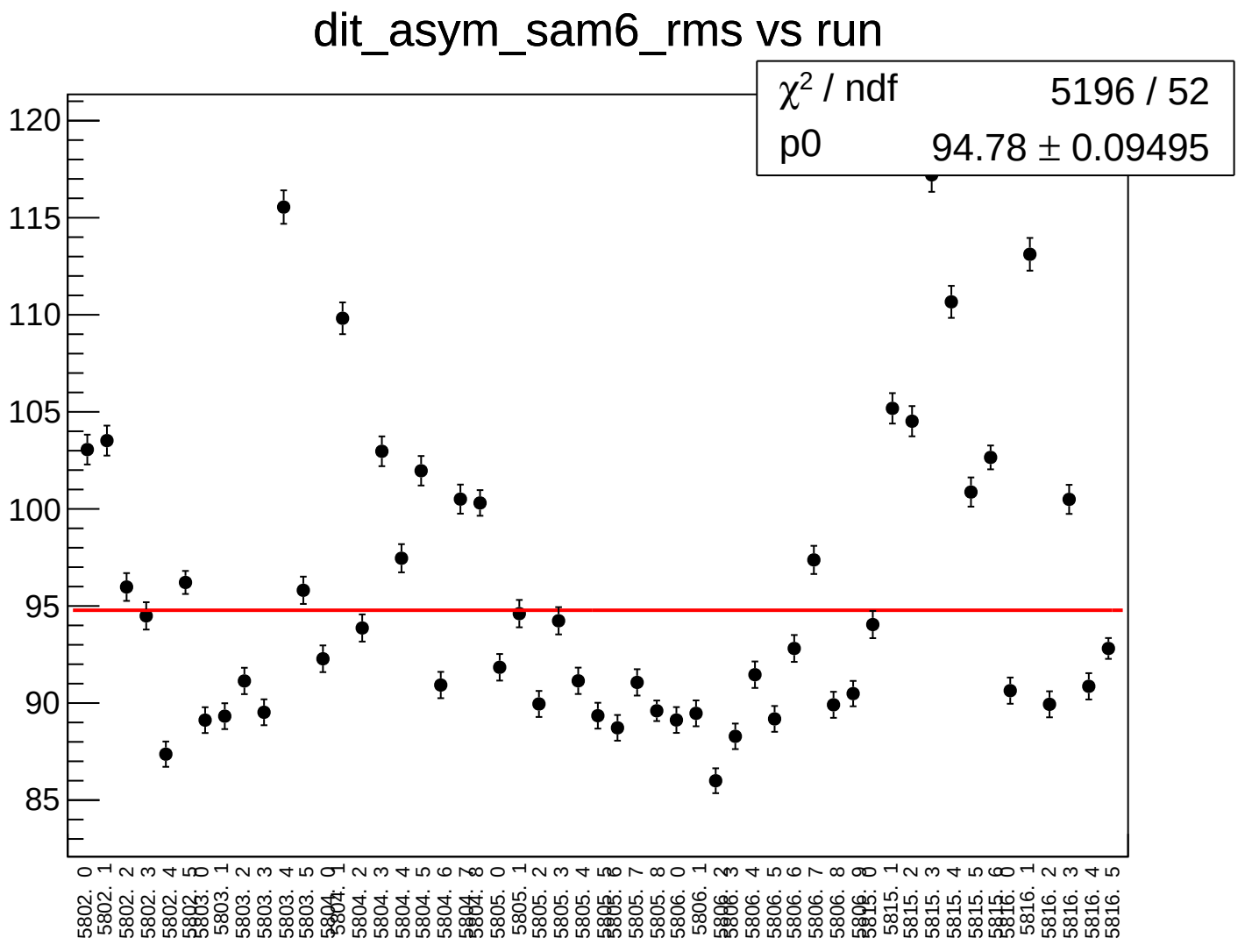

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 53.07 / 52
p0 −329.5 ± 871.4
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −59.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

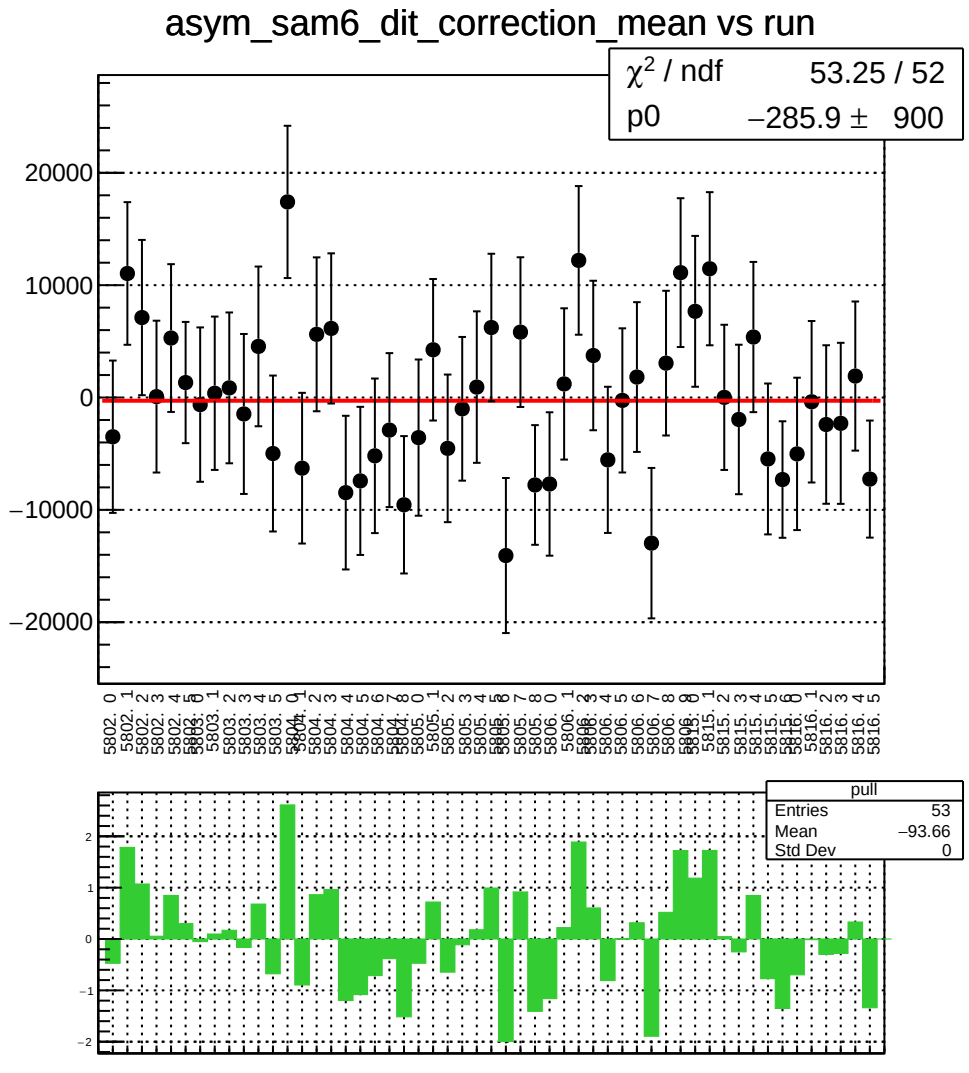

pull1D
Entries 53
Mean 0.0274
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

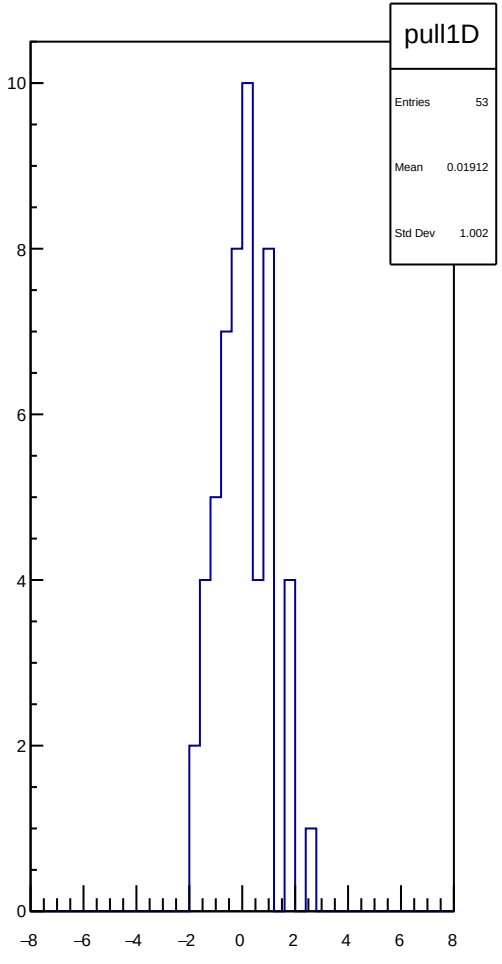

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2108 / 52
p0 616 ± 0.6162
700
680
660
640
620
600
580
560
540

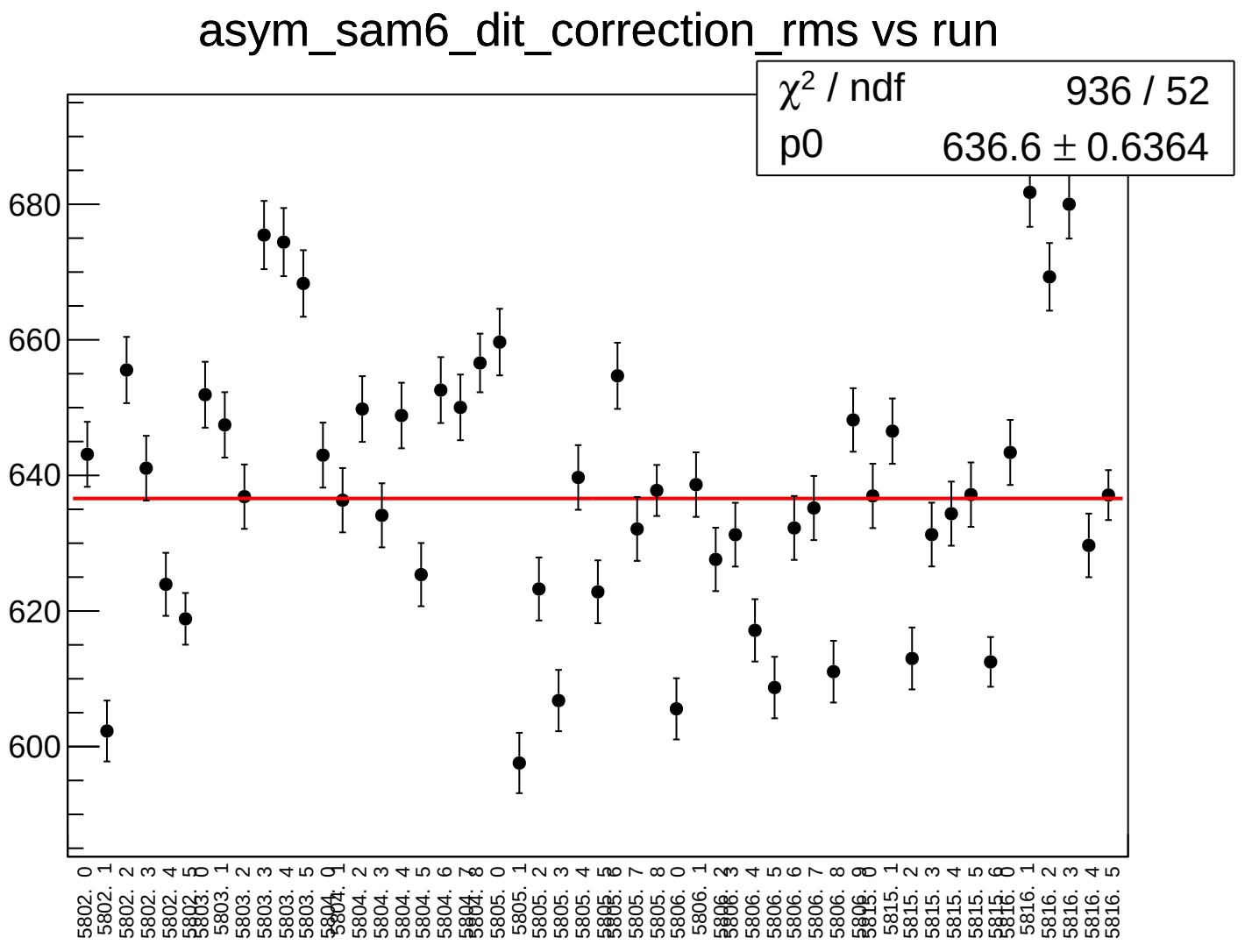

dit_asym_sam6_mean vs run
χ² / ndf 53.73 / 52
p0 136.2 ± 134.3
pull
Entries 53
Mean −493
Std Dev 0

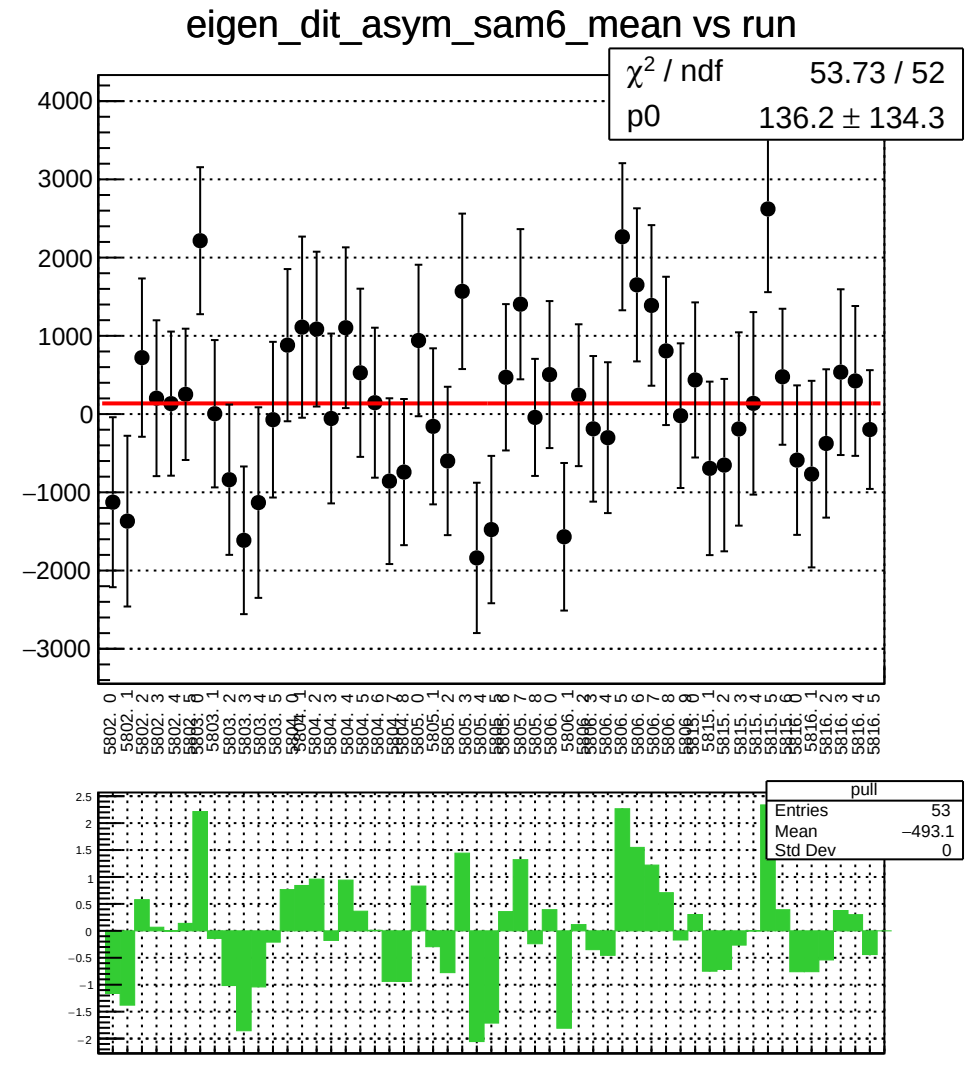

pull1D
Entries 53
Mean −0.002744
Std Dev 1.007

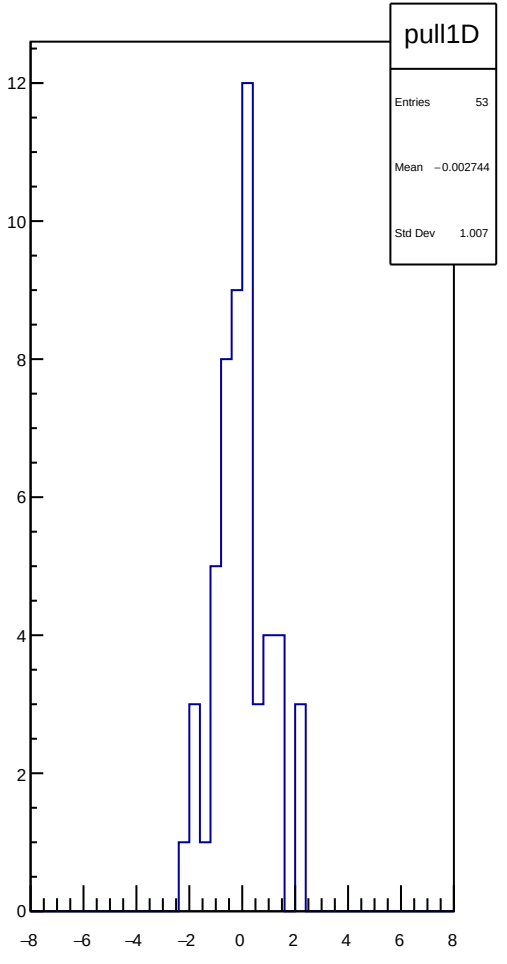

dit_asym_sam6_rms vs run
χ² / ndf 5196 / 52
p0 94.78 ± 0.09495
120
115
110
105
100
95
90
85

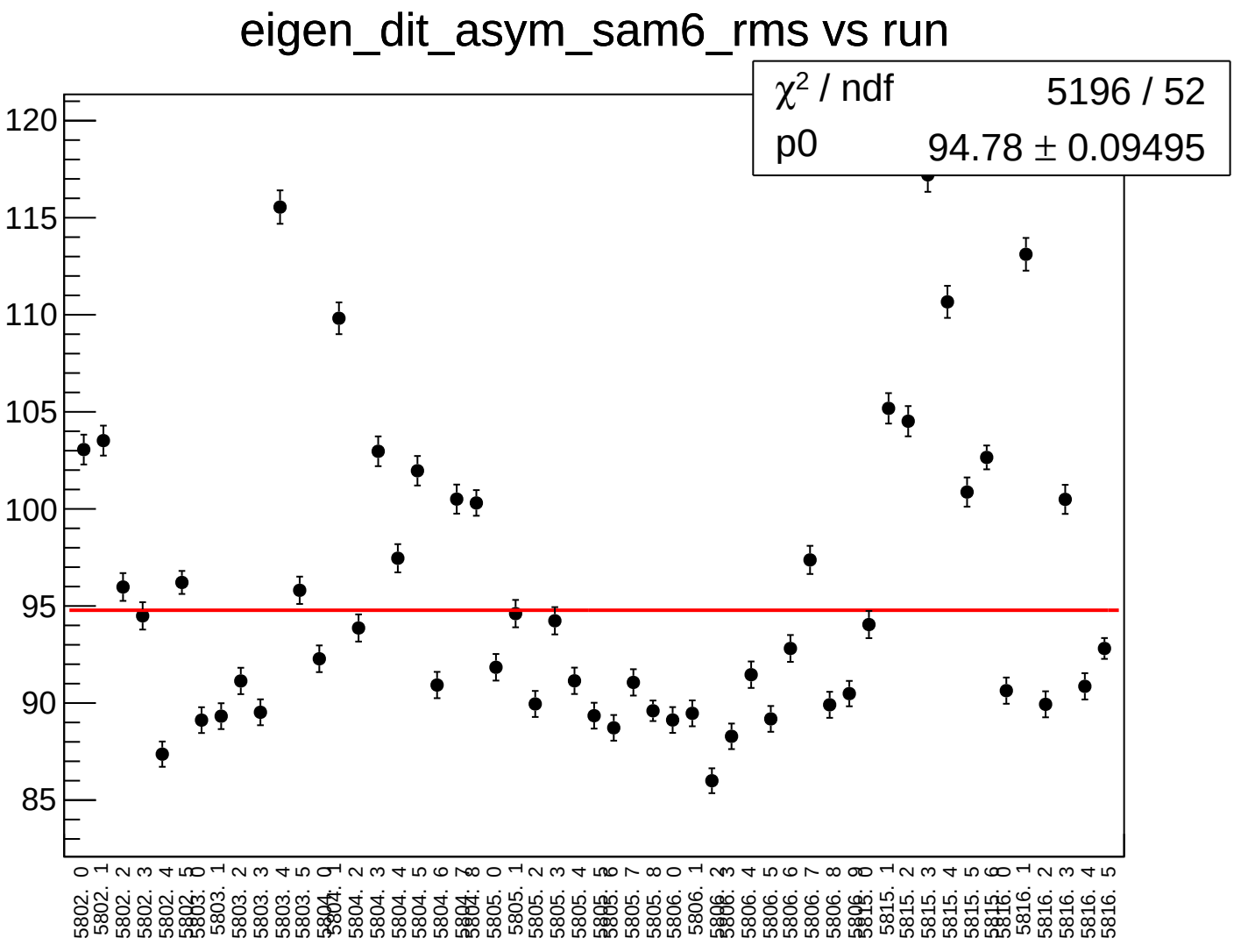

asym_sam6_dit_correction_mean vs run
χ² / ndf 53.25 / 52
p0 −285.9 ± 900
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −93.66
Std Dev 0
2
1
0
−1
−2

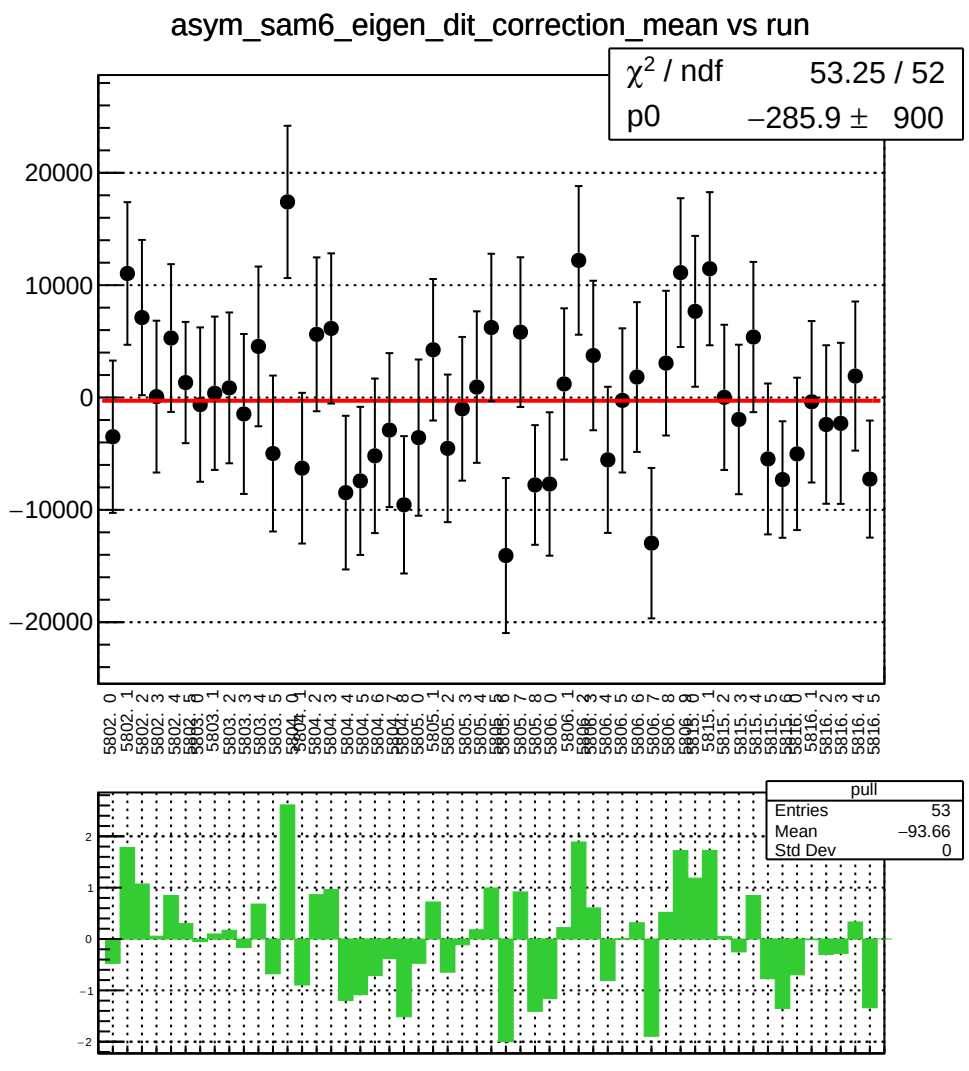

pull1D
Entries 53
Mean 0.01912
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

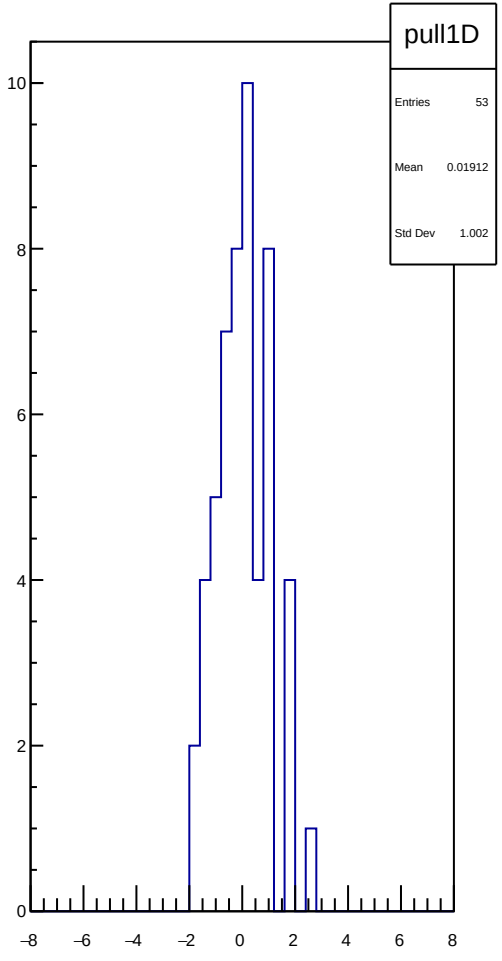

asym_sam6_dit_correction_rms vs run
χ² / ndf 936 / 52
p0 636.6 ± 0.6364
680
660
640
620
600

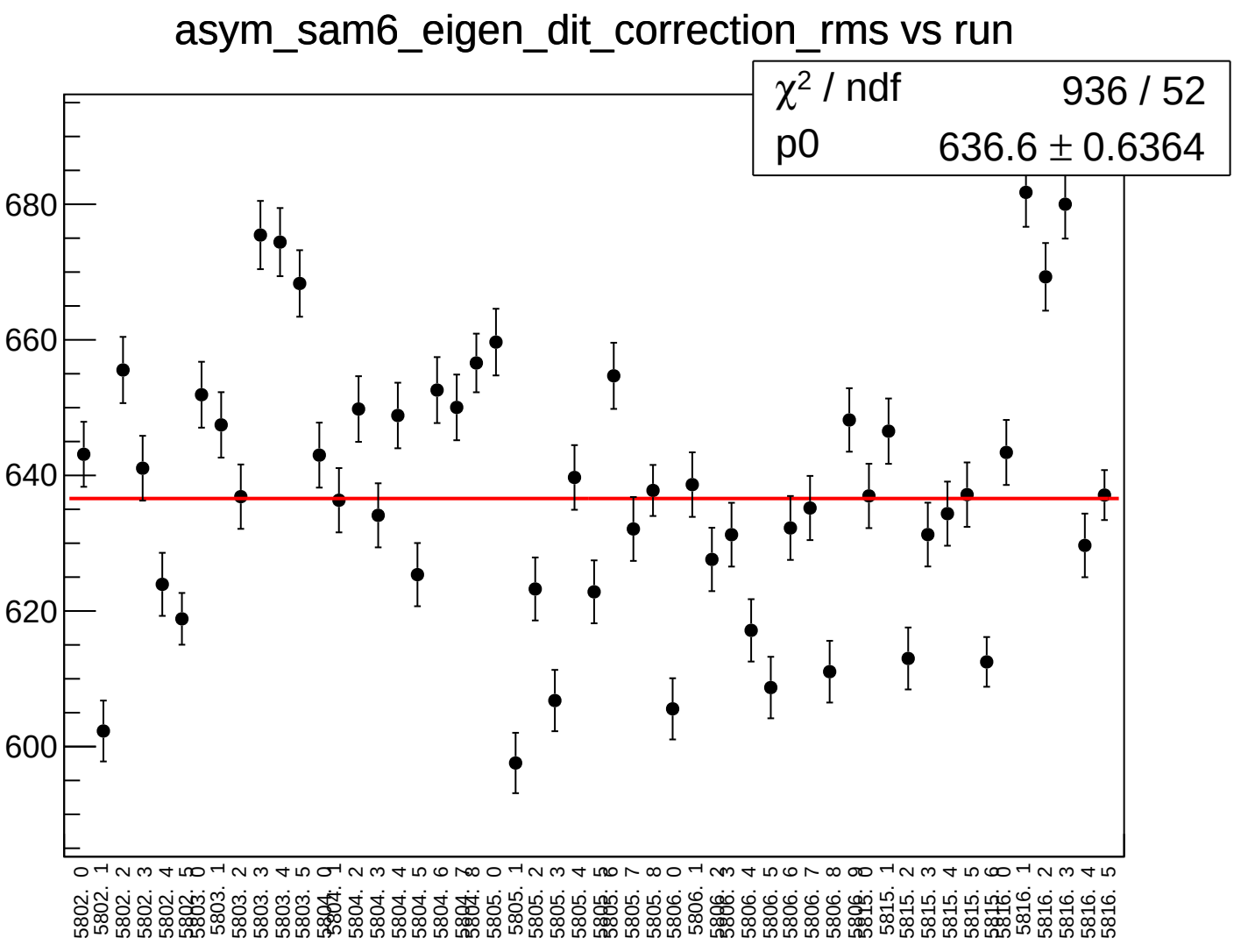

eigen_dit_asym_sam6_mean vs run
χ² / ndf 53.73 / 52
p0 136.2 ± 134.3
pull
Entries 53
Mean −493.1
Std Dev 0

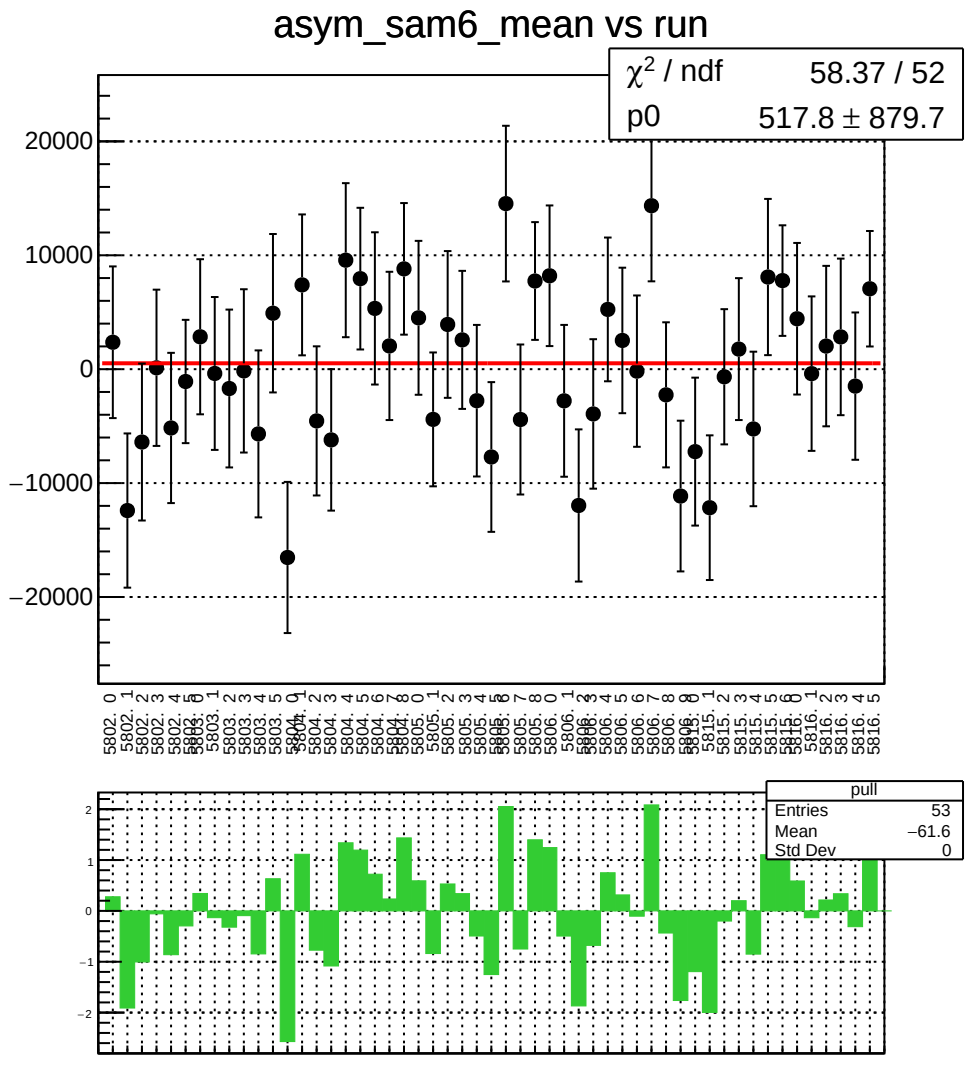

pull1D
Entries 53
Mean −0.002744
Std Dev 1.007

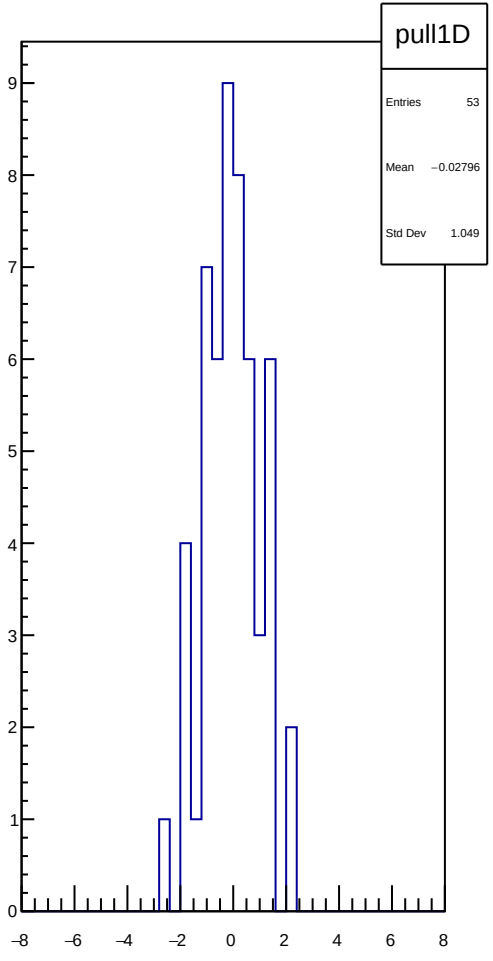

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 5196 / 52
p0 94.78 ± 0.09495
120
115
110
105
100
95
90
85

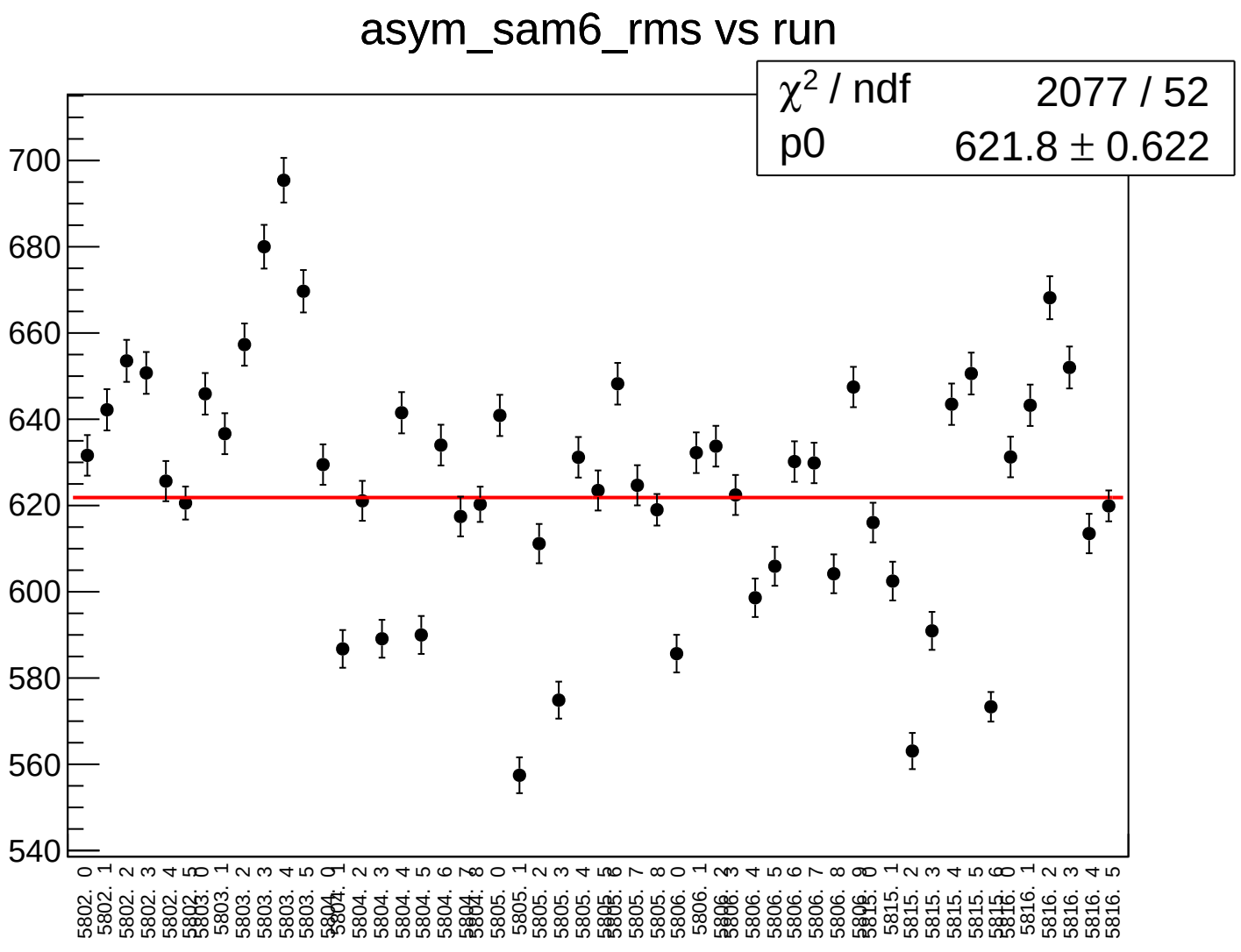

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 53.25 / 52
p0 −285.9 ± 900
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −93.66
Std Dev 0
2
1
0
−1
−2

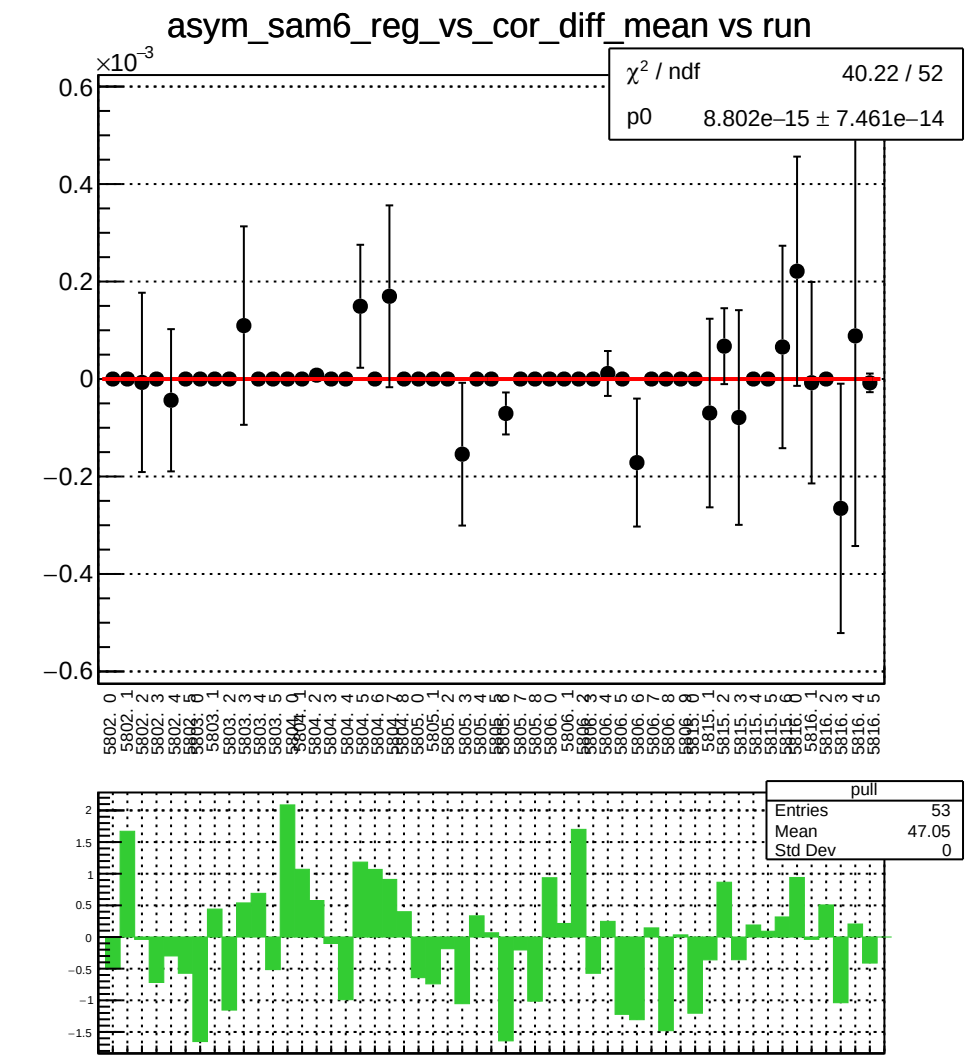

pull1D
Entries 53
Mean 0.01912
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

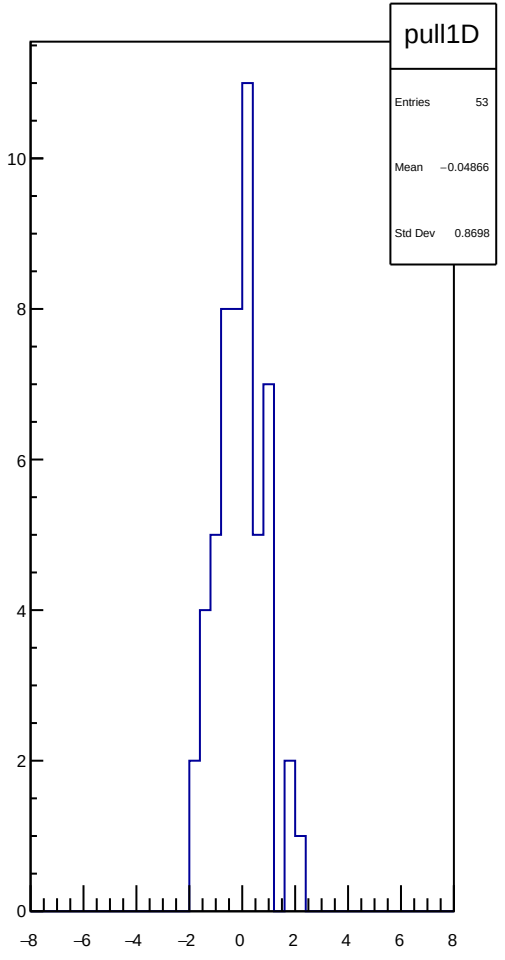

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 936 / 52
p0 636.6 ± 0.6364
680
660
640
620
600

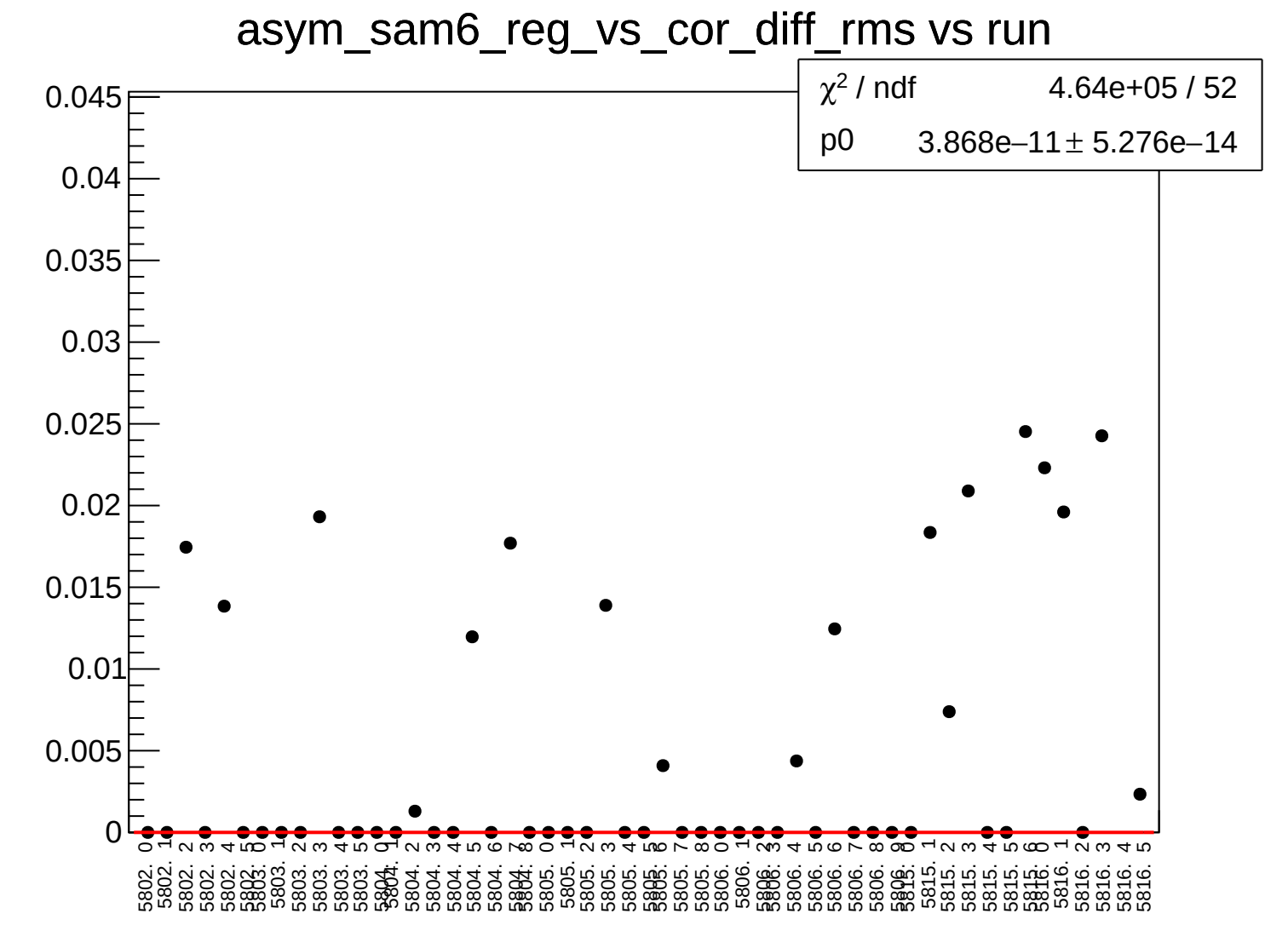

asym_sam6_mean vs run
χ² / ndf 58.37 / 52
p0 517.8 ± 879.7
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −61.6
Std Dev 0
2
1
0
−1
−2

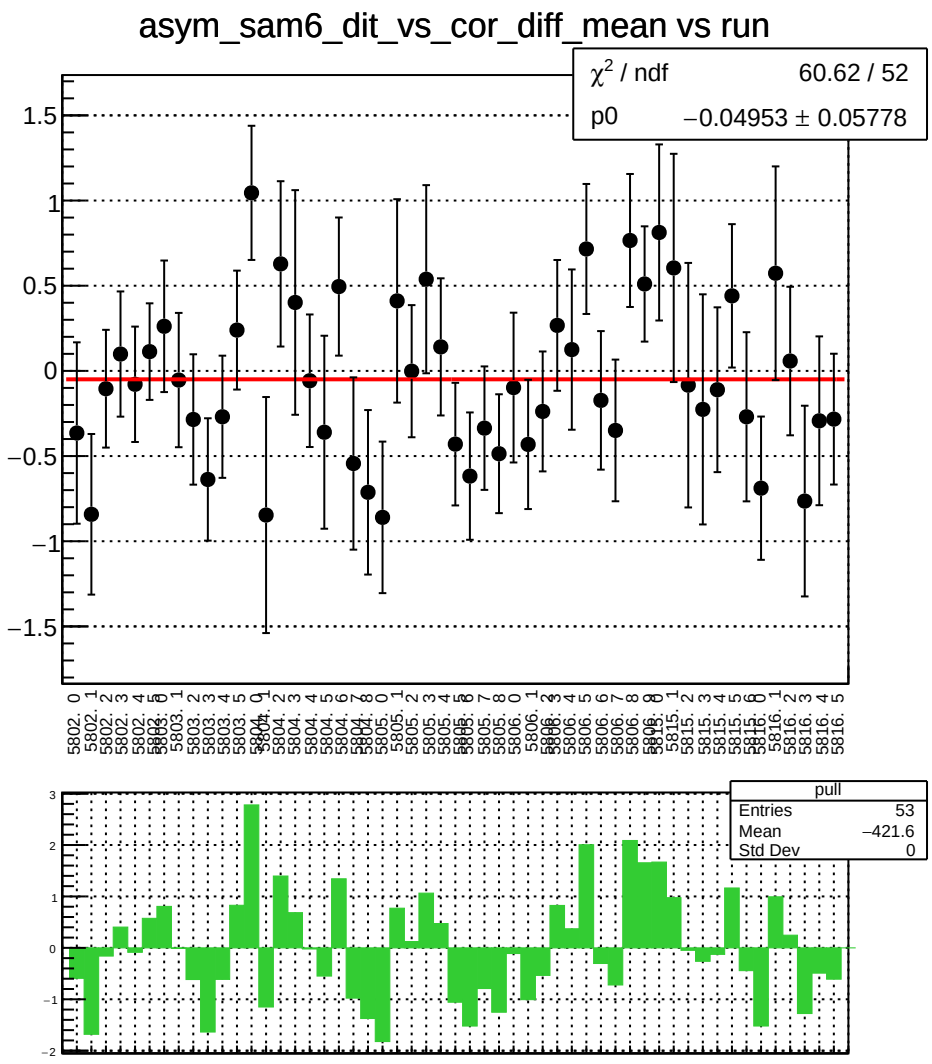

pull1D
Entries 53
Mean −0.02796
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

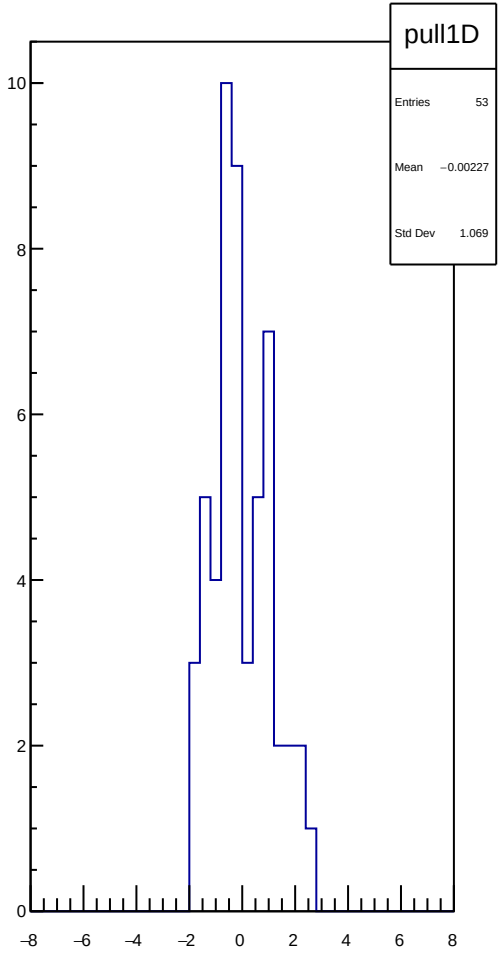

asym_sam6_rms vs run
χ² / ndf 2077 / 52
p0 621.8 ± 0.622
700
680
660
640
620
600
580
560
540

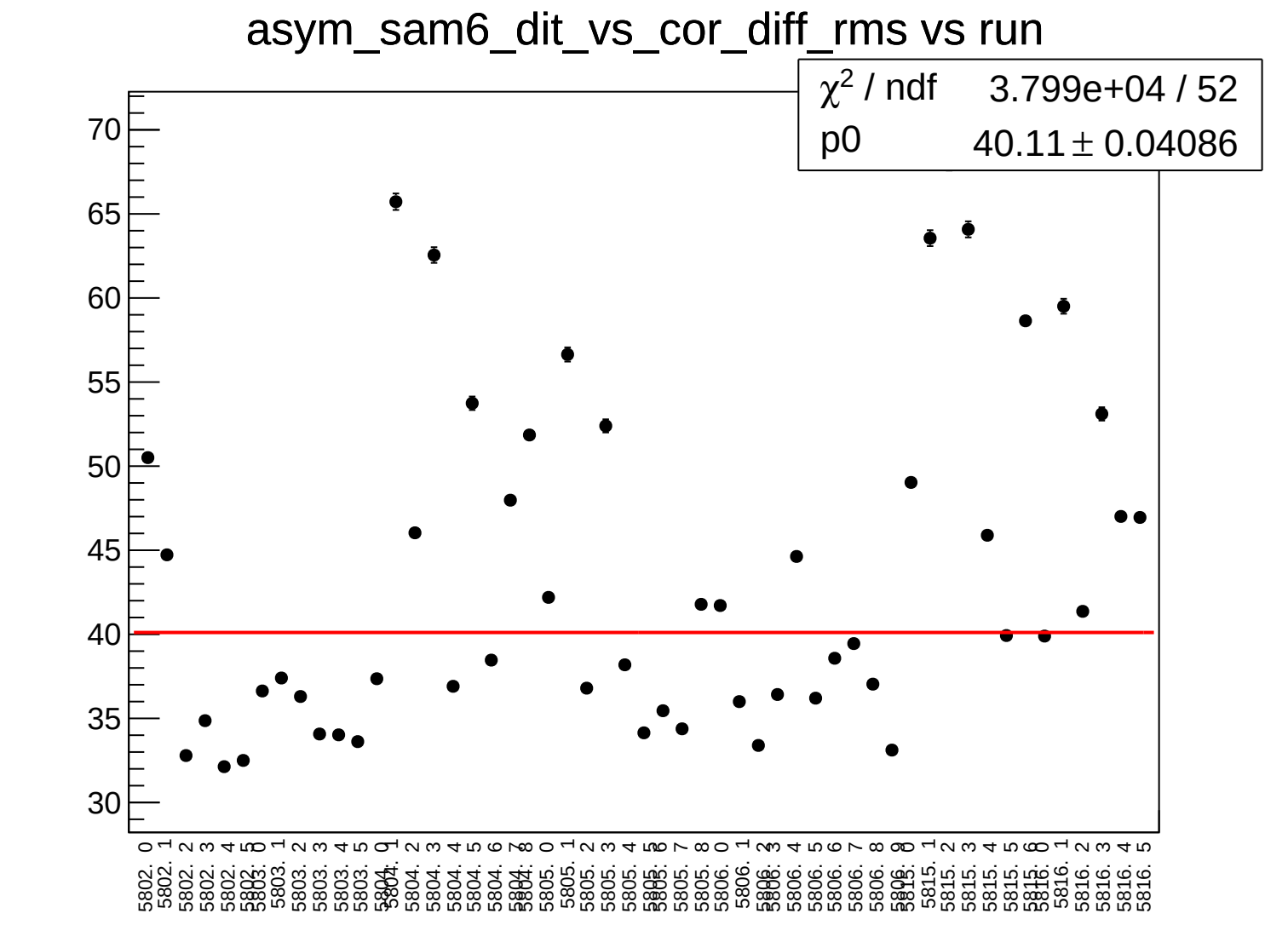

asym_sam6_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 40.22 / 52
p0 8.802e−15 ± 7.461e−14
pull
Entries 53
Mean 47.05
Std Dev 0

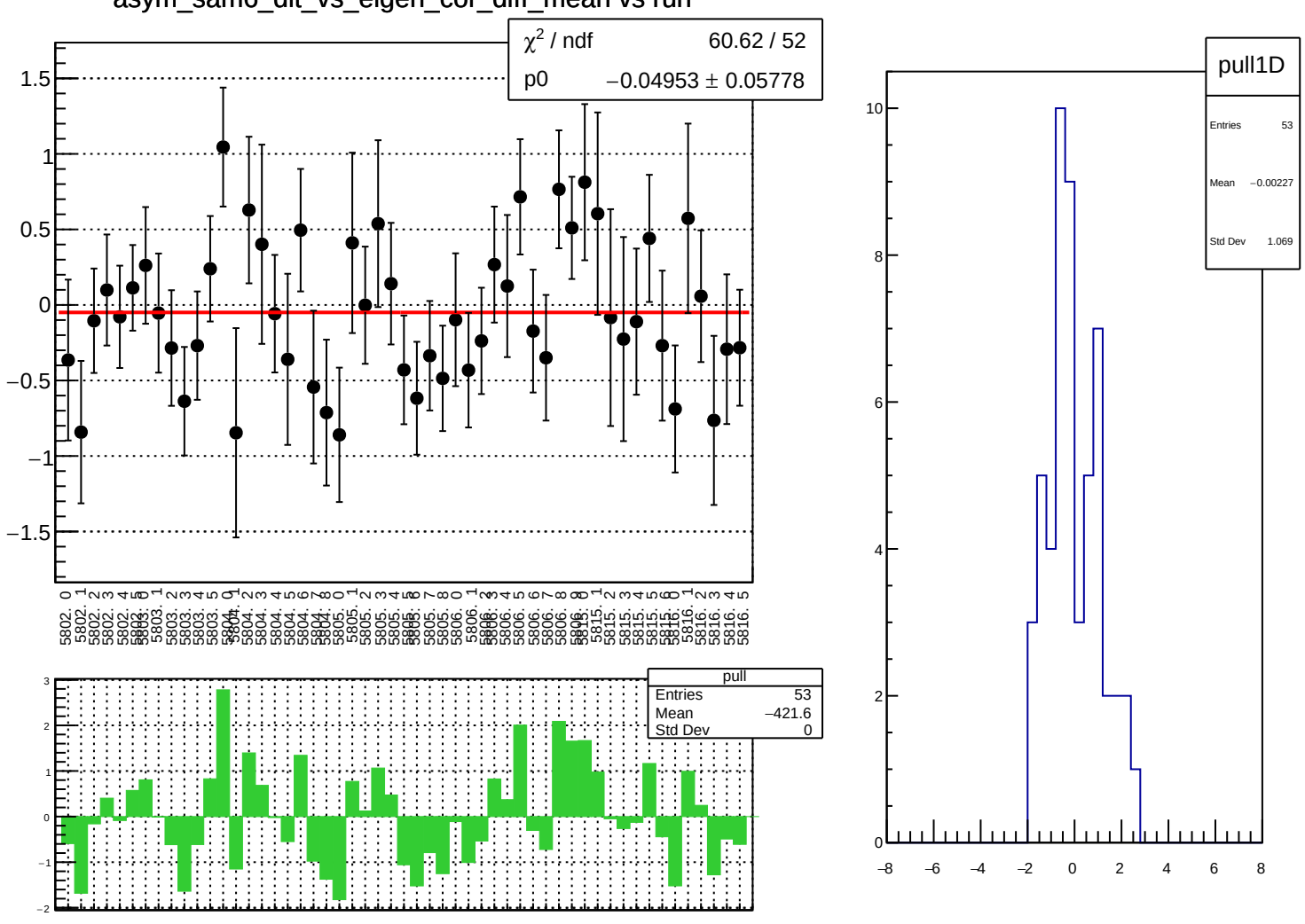

pull1D
Entries 53
Mean −0.04866
Std Dev 0.8698

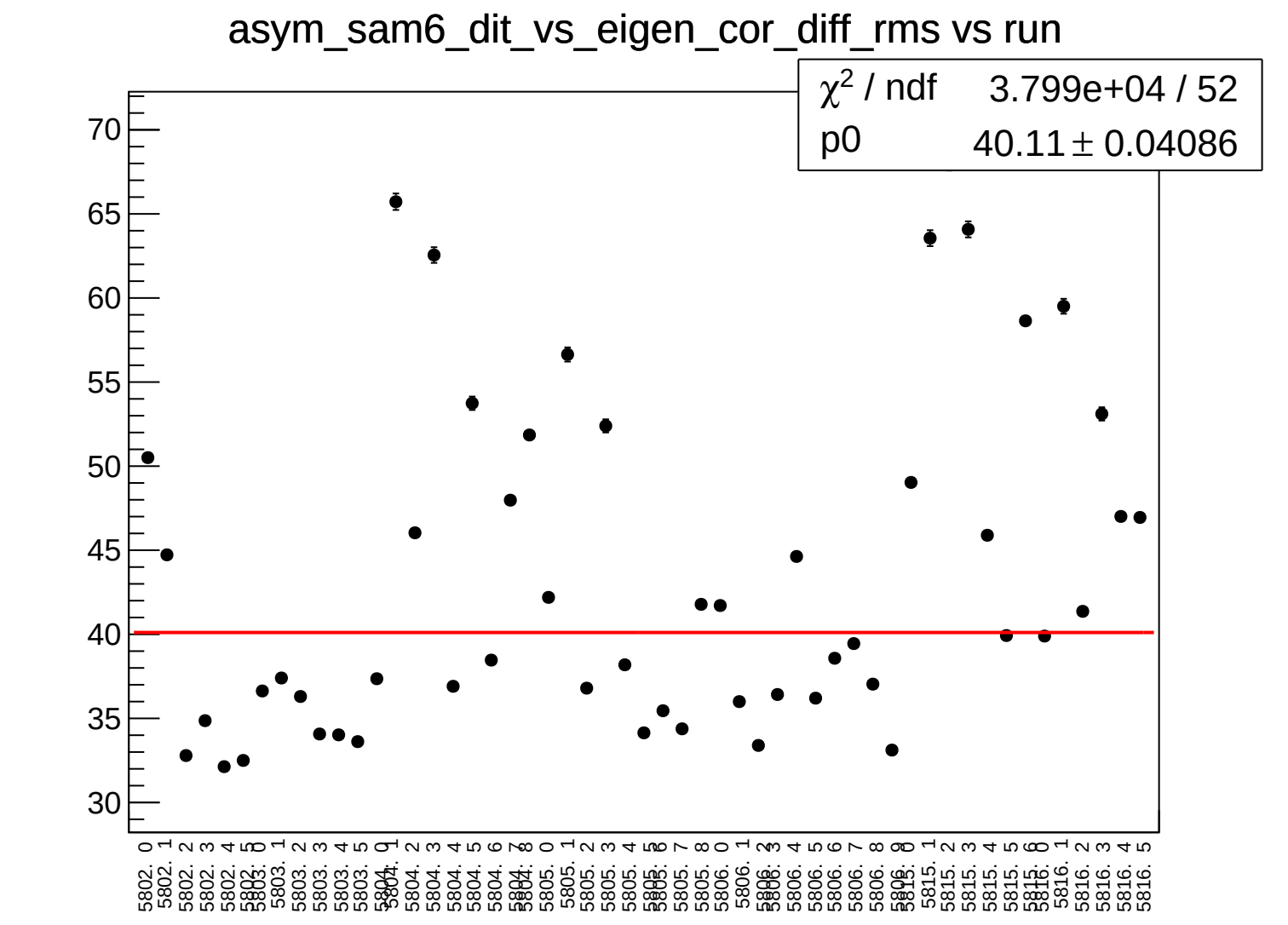

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 4.64e+05 / 52
p0 3.868e−11 ± 5.276e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

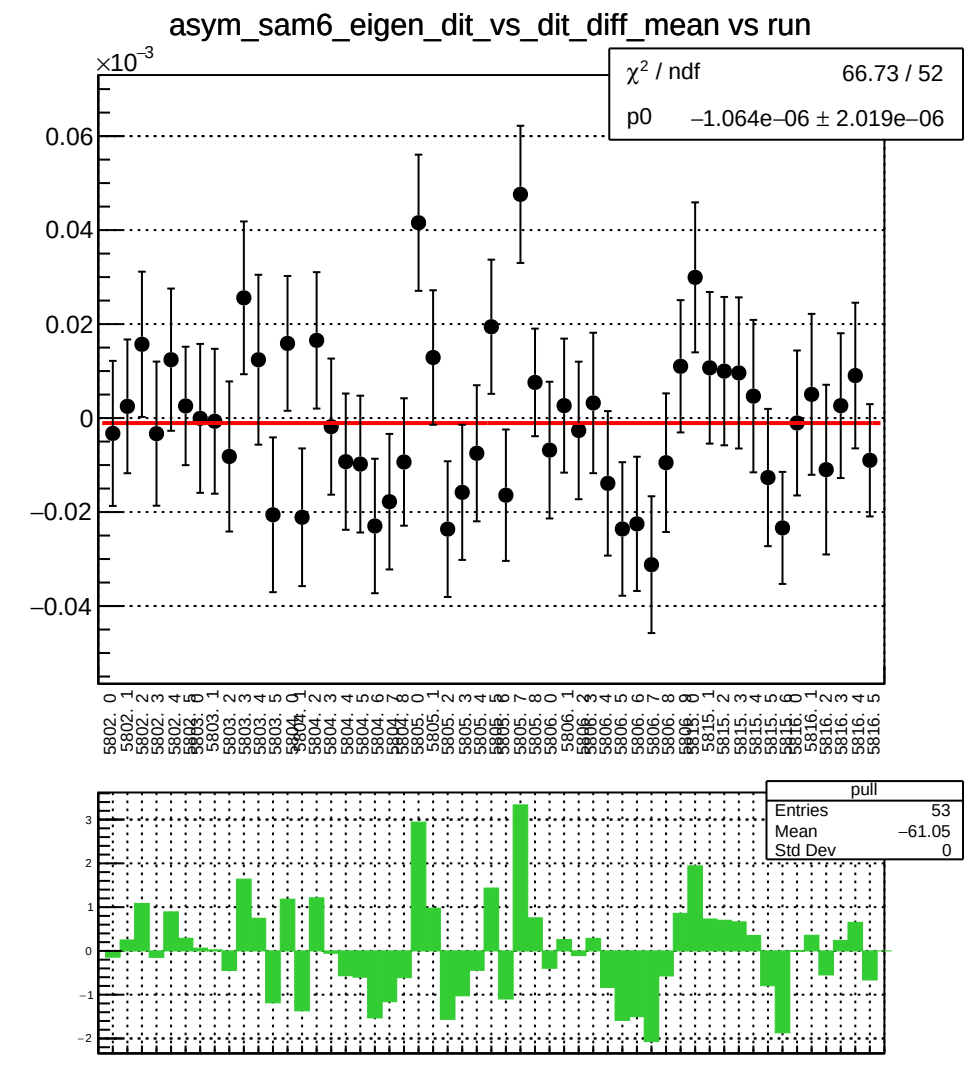

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 60.62 / 52
p0 −0.04953 ± 0.05778
pull
Entries 53
Mean −421.6
Std Dev 0

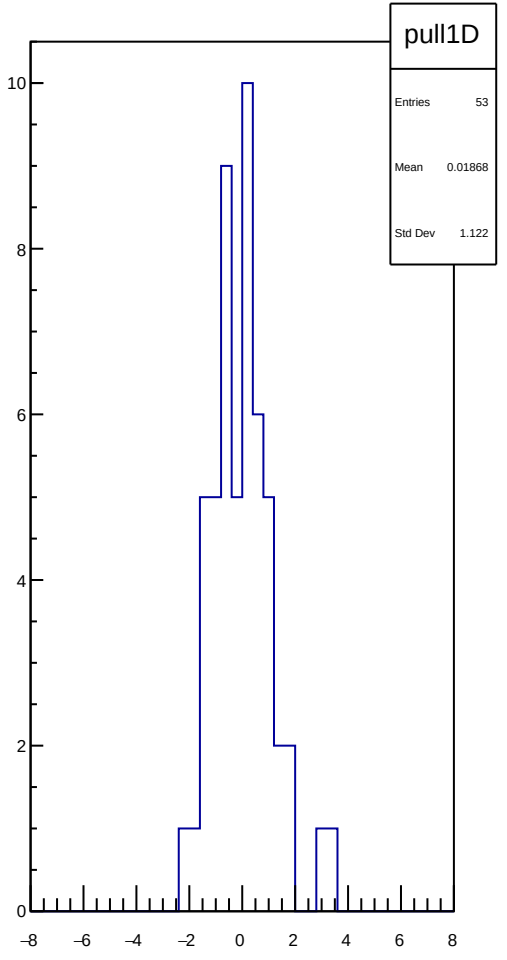

pull1D
Entries 53
Mean −0.00227
Std Dev 1.069

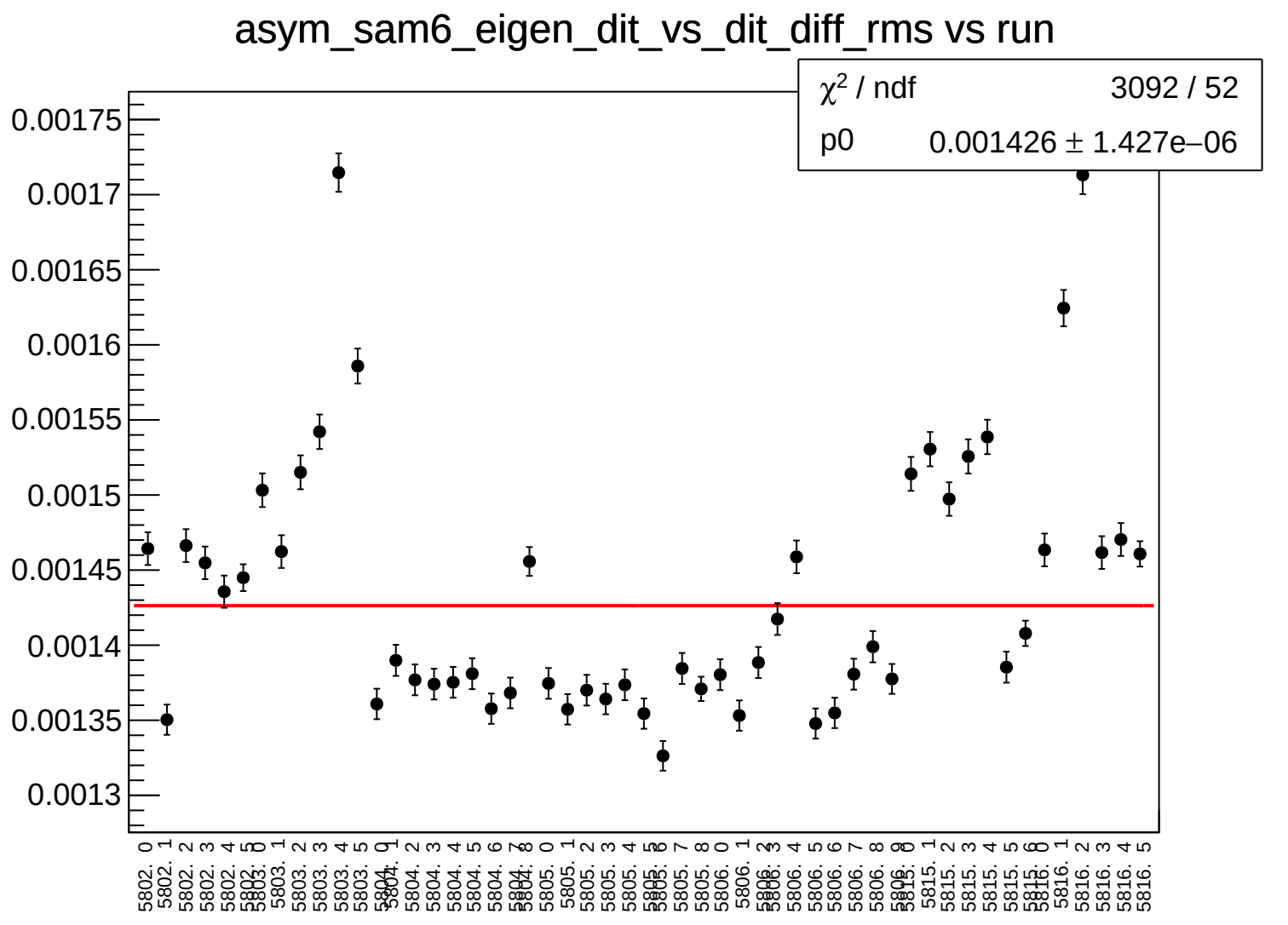

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 3.799e+04 / 52
p0 40.11 ± 0.04086
70
65
60
55
50
45
40
35
30

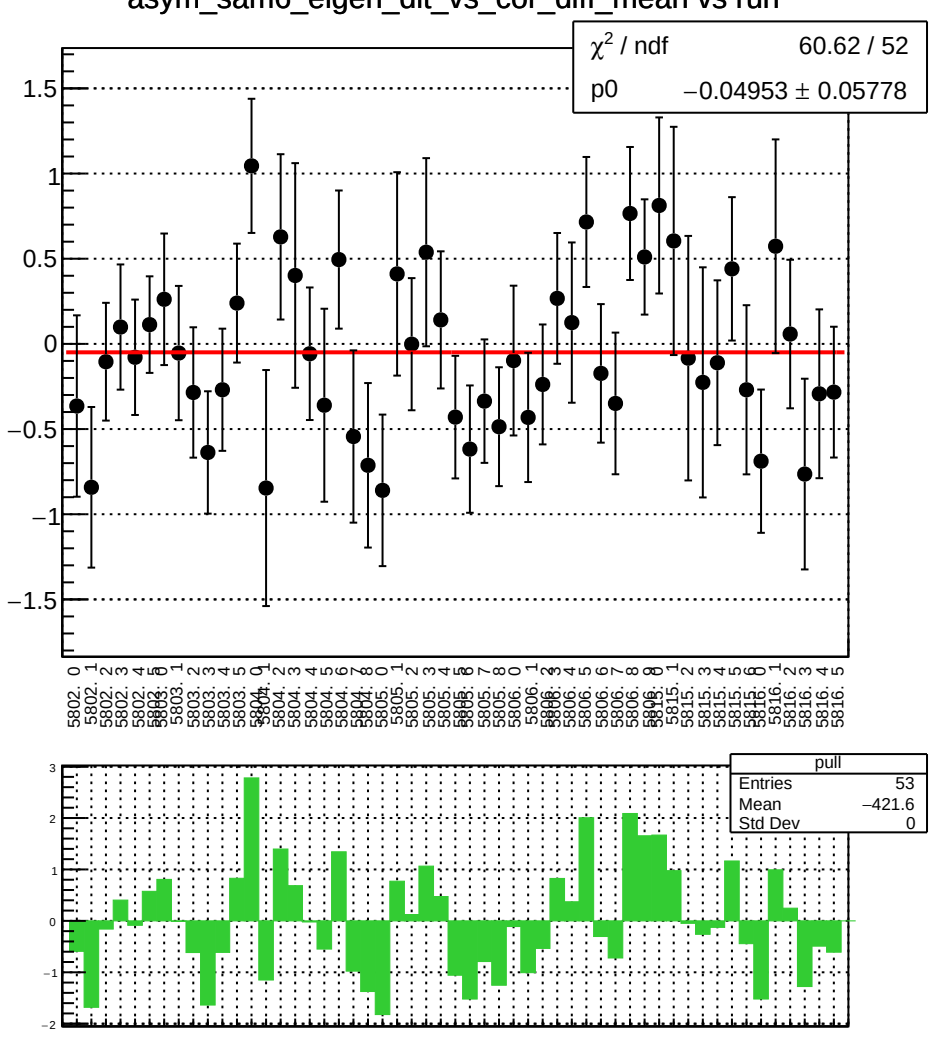

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.62 / 52
p0 −0.04953 ± 0.05778
pull
Entries 53
Mean −421.6
Std Dev 0
pull1D
Entries 53
Mean −0.00227
Std Dev 1.069

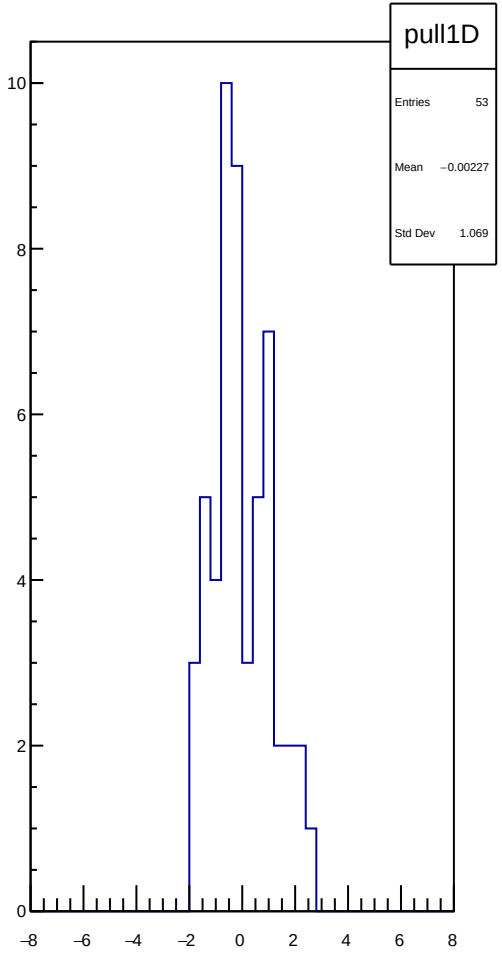

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.799e+04 / 52
p0 40.11 ± 0.04086
70
65
60
55
50
45
40
35
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

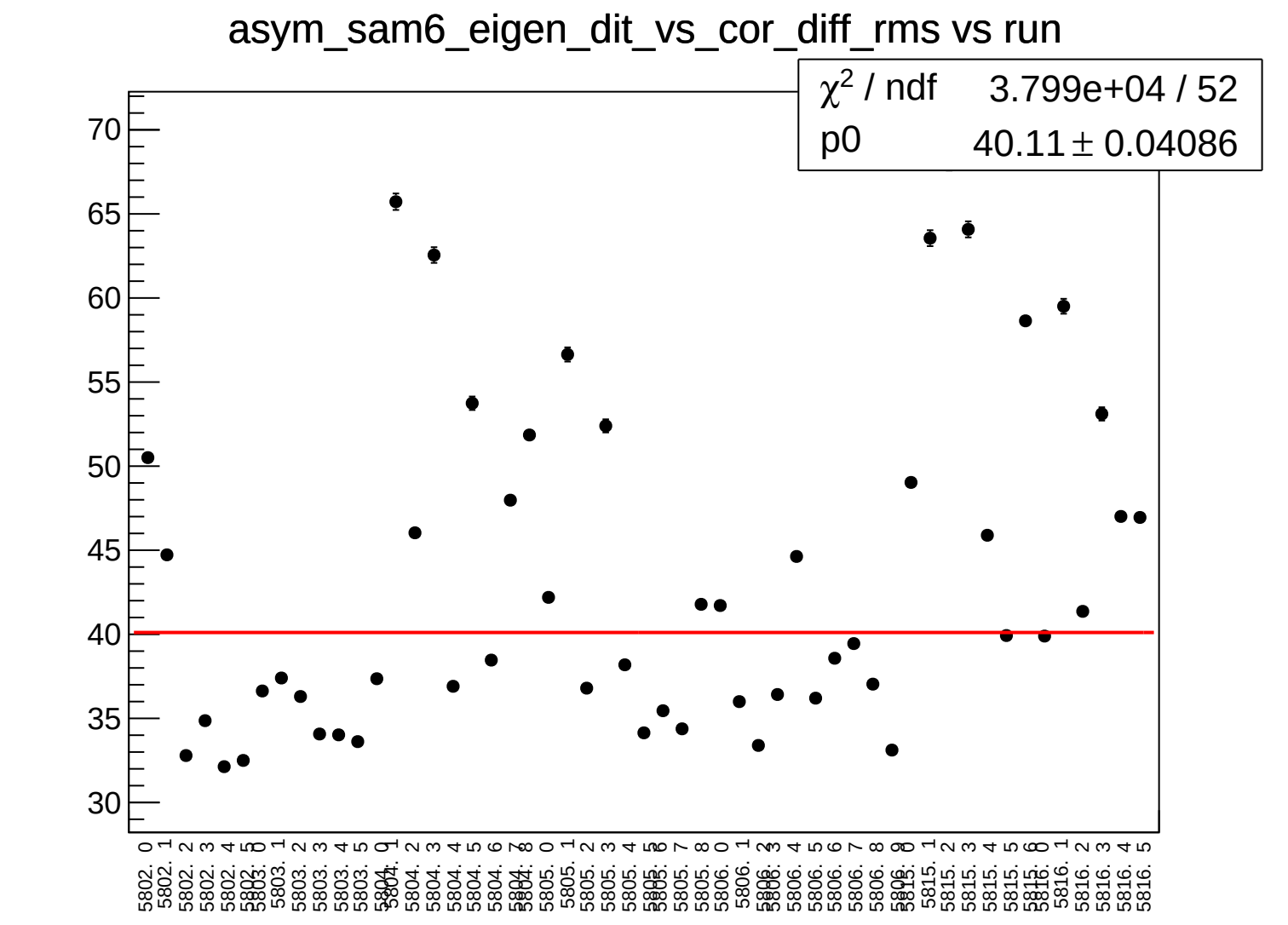

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.73 / 52
p0 −1.064e−06 ± 2.019e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −61.05
Std Dev 0
3
2
1
0
−1
−2

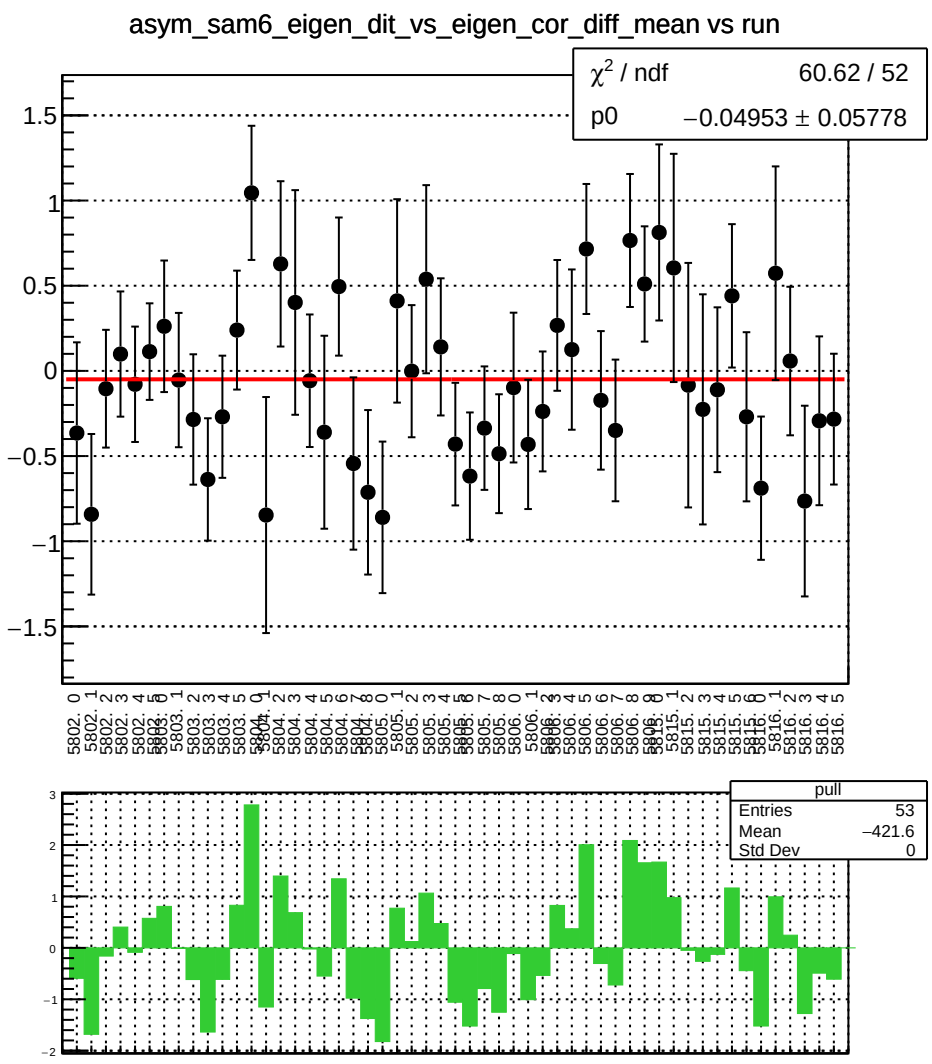

pull1D
Entries 53
Mean 0.01868
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

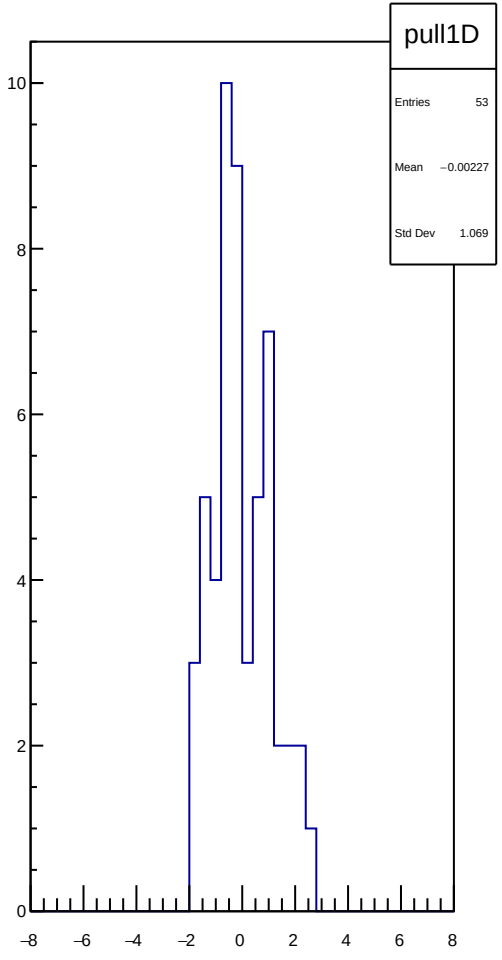

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3092 / 52
p0 0.001426 ± 1.427e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013

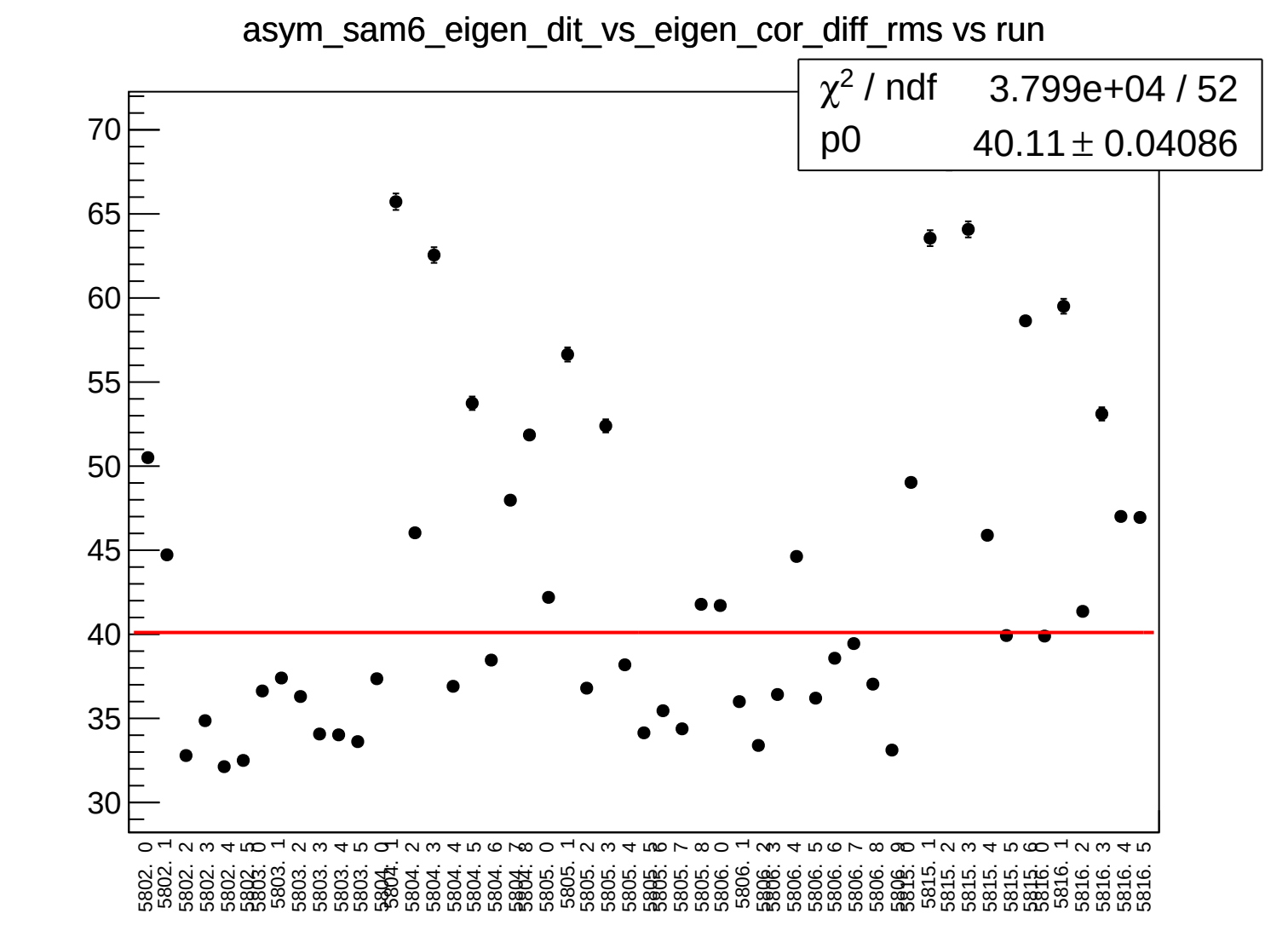

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.62 / 52
p0 −0.04953 ± 0.05778
pull
Entries 53
Mean −421.6
Std Dev 0

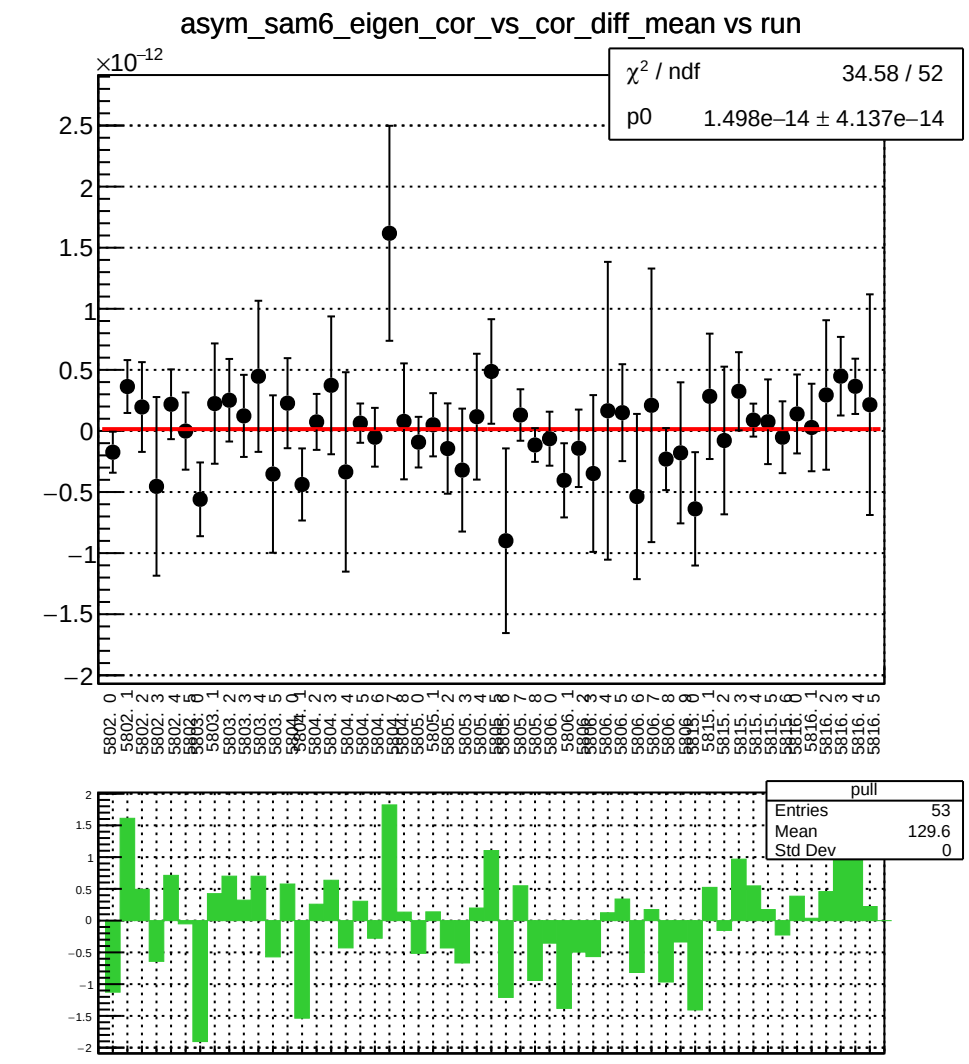

pull1D
Entries 53
Mean −0.00227
Std Dev 1.069

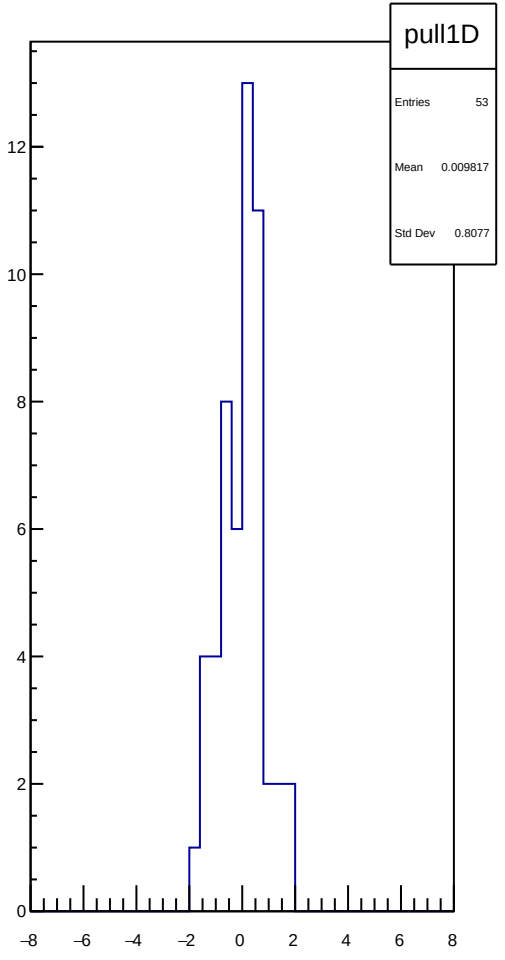

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.799e+04 / 52
p0 40.11 ± 0.04086
70
65
60
55
50
45
40
35
30
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

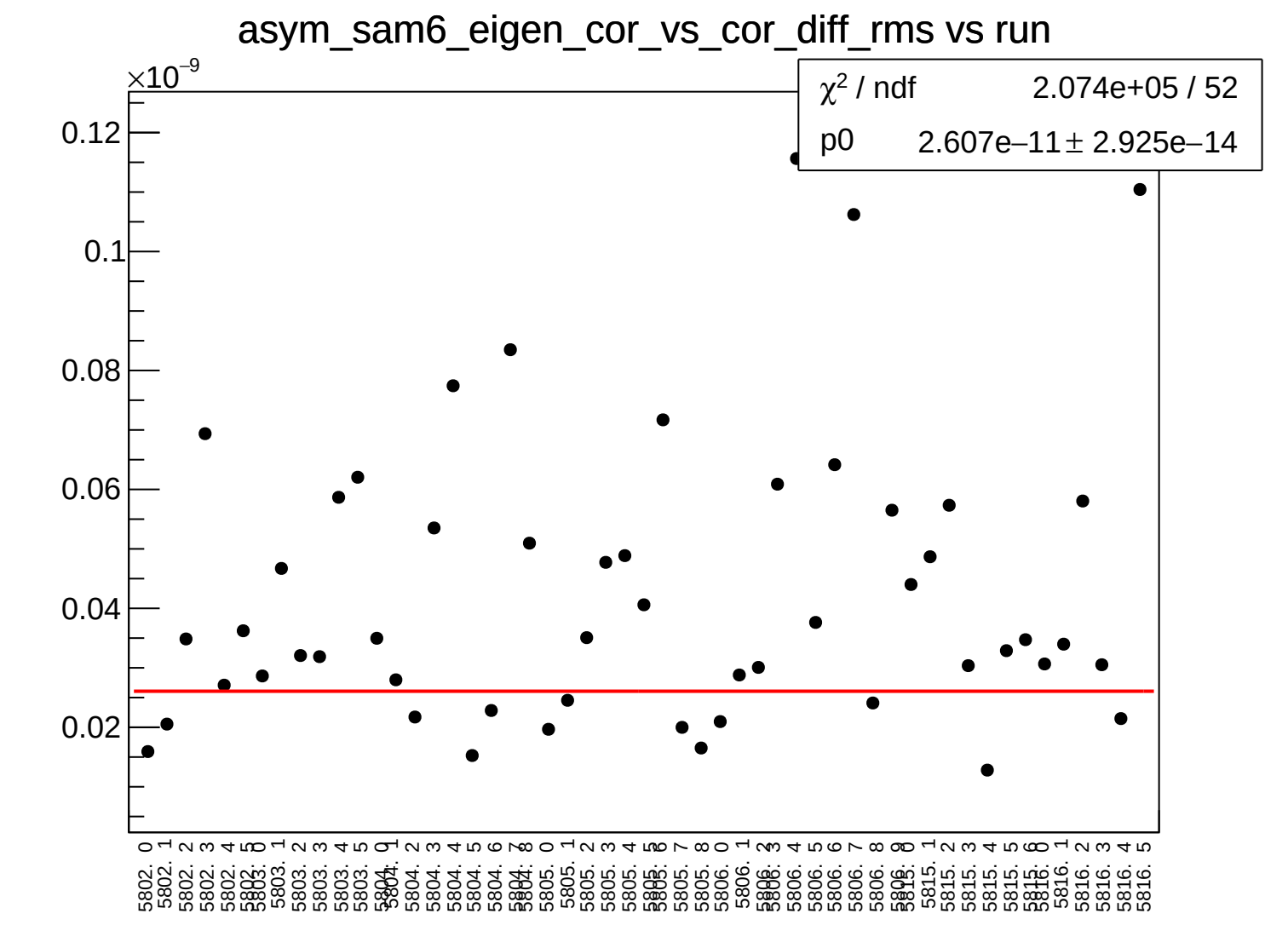

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.62 / 52
p0 −0.04953 ± 0.05778
pull
Entries 53
Mean −421.6
Std Dev 0

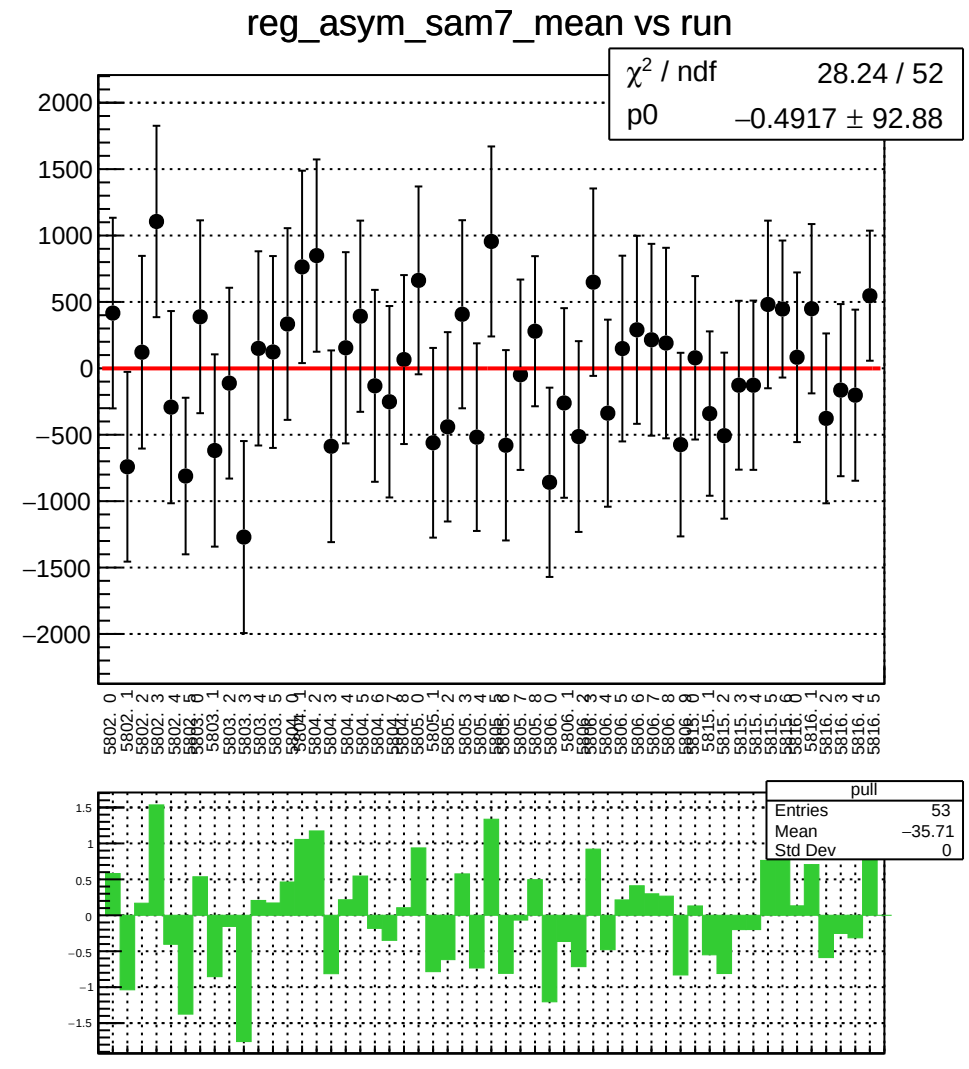

pull1D
Entries 53
Mean −0.00227
Std Dev 1.069

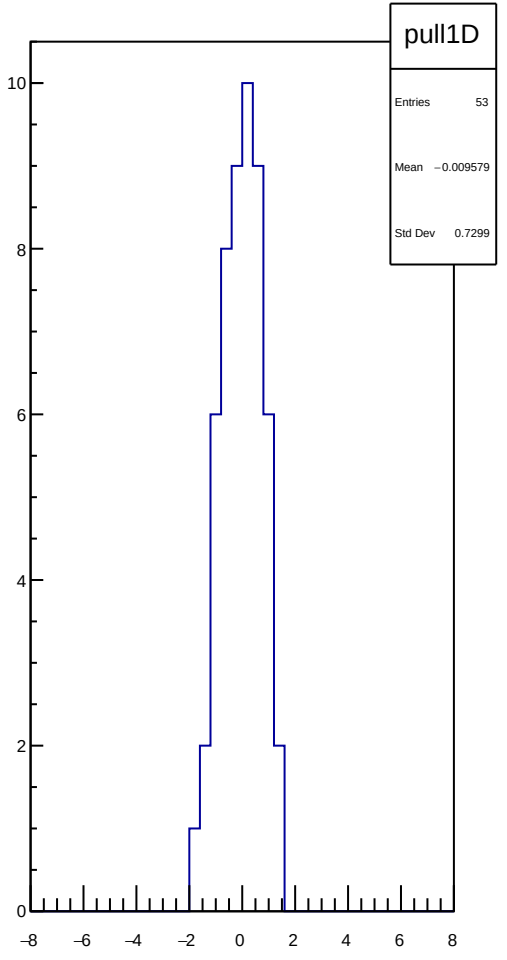

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.799e+04 / 52
p0 40.11 ± 0.04086
70
65
60
55
50
45
40
35
30

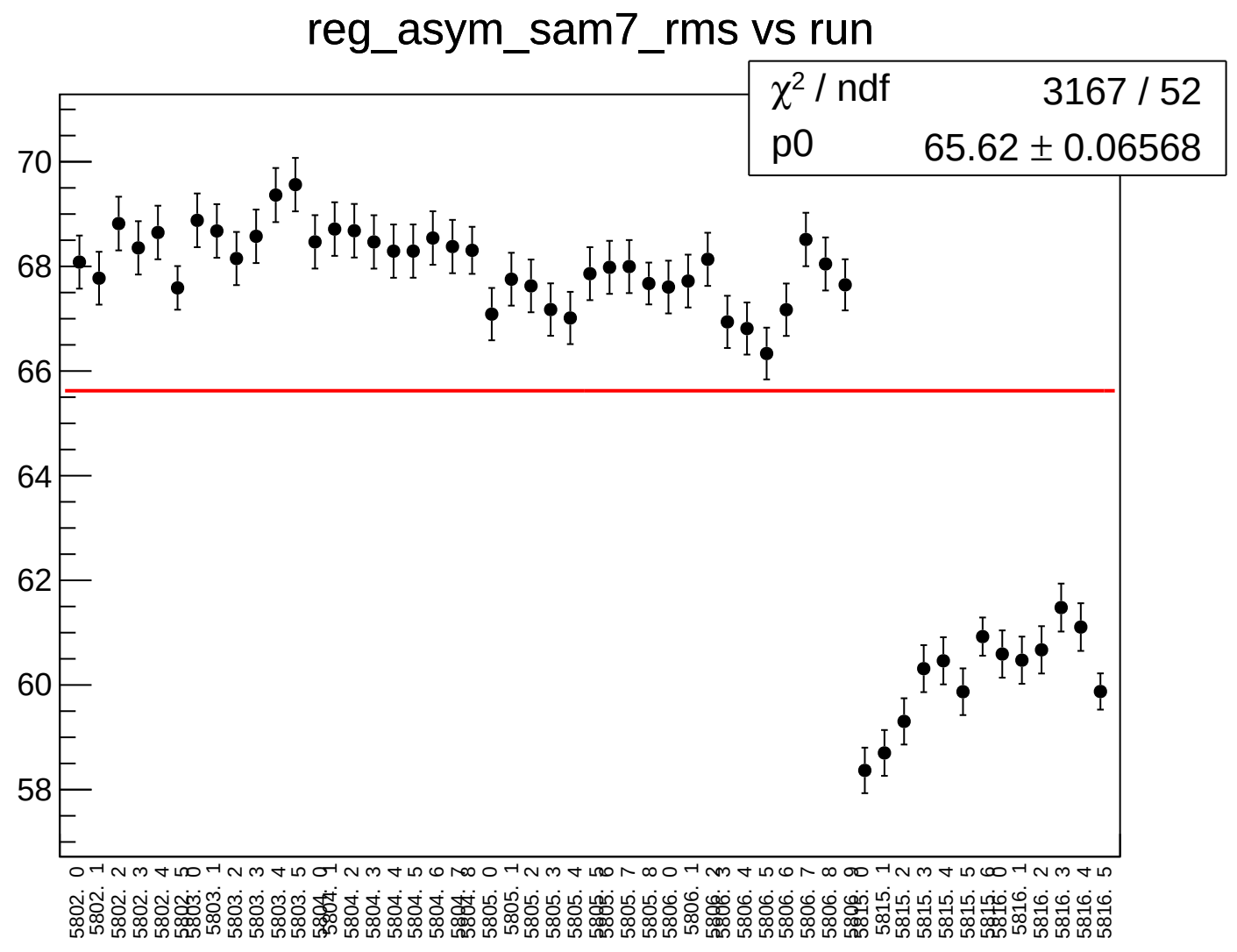

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.58 / 52
p0 1.498e−14 ± 4.137e−14
pull
Entries 53
Mean 129.6
Std Dev 0

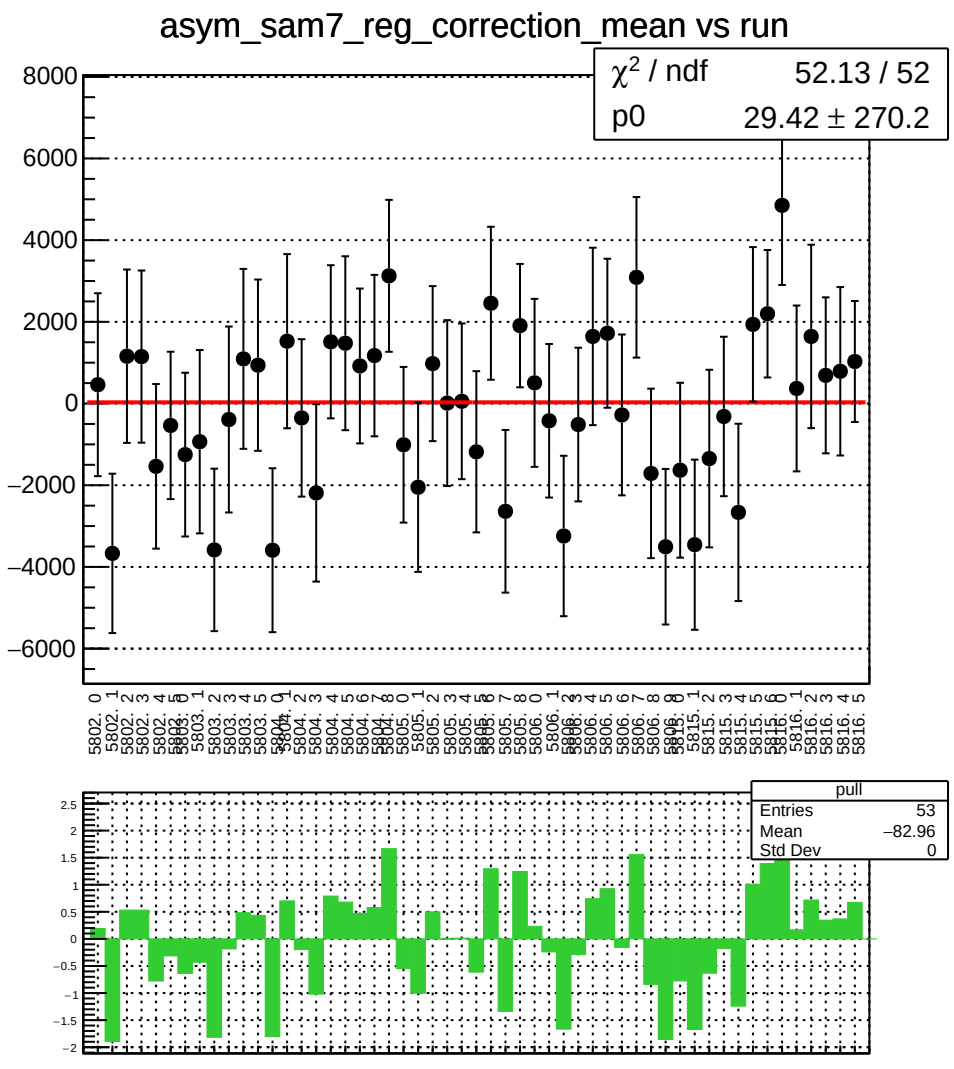

pull1D
Entries 53
Mean 0.009817
Std Dev 0.8077

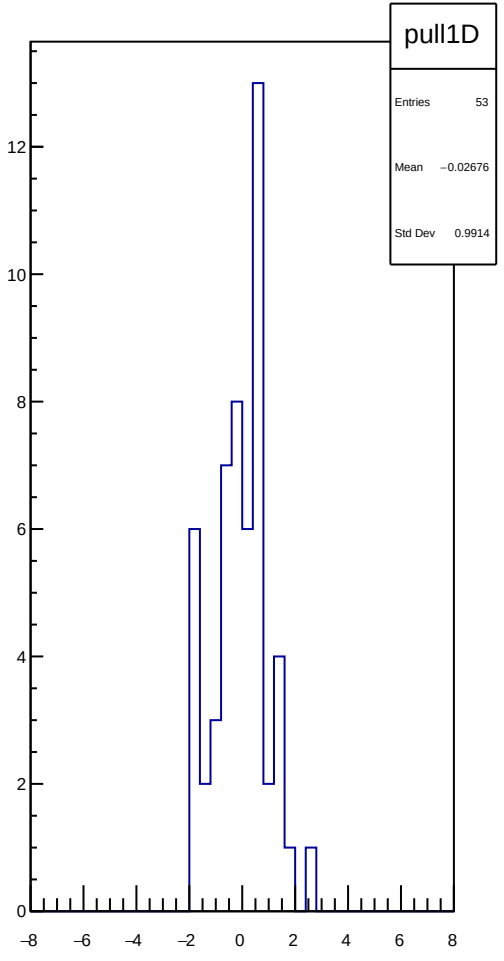

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.074e+05 / 52
p0 2.607e−11 ± 2.925e−14
0.12
0.1
0.08
0.06
0.04
0.02
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

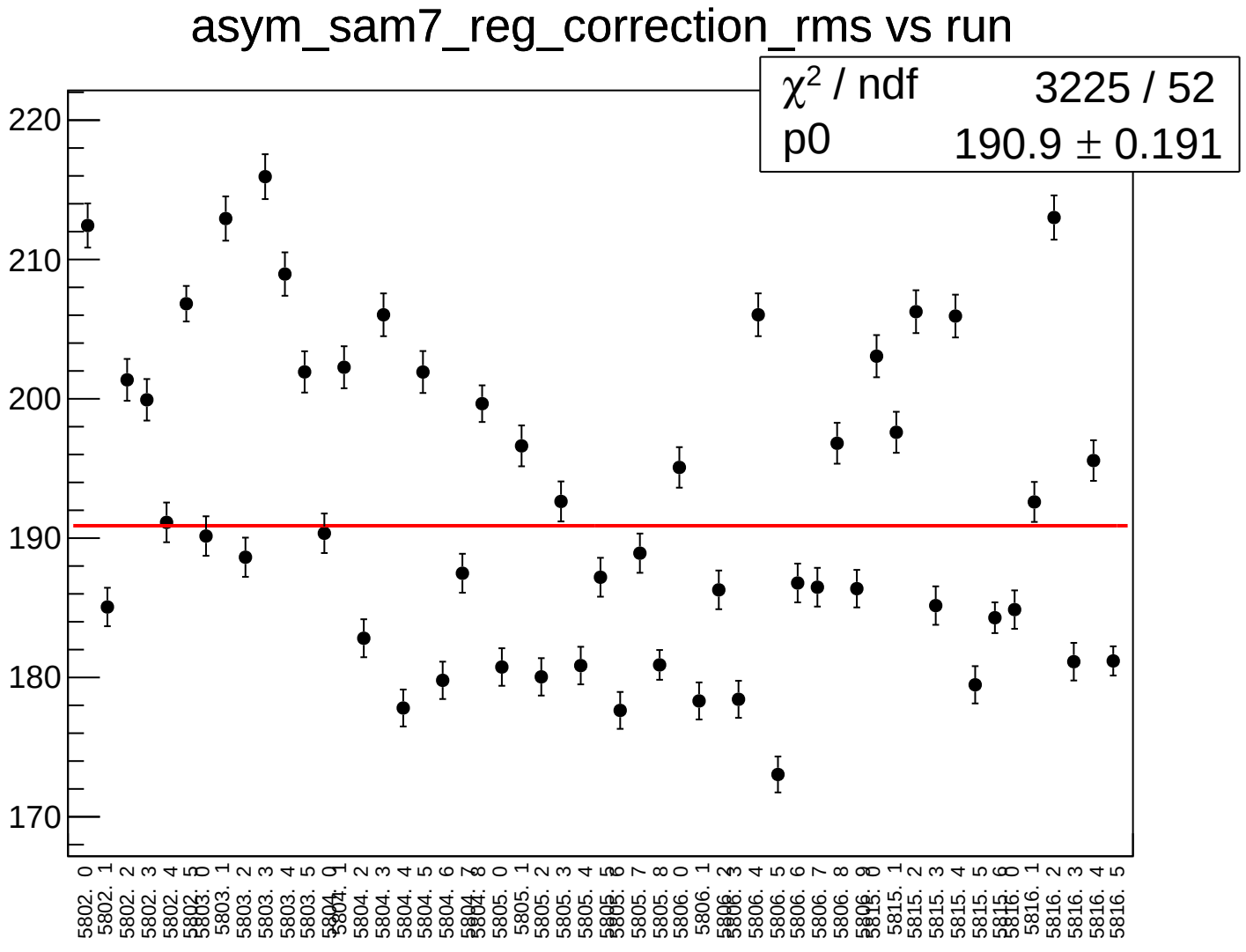

reg_asym_sam7_mean vs run
χ² / ndf 28.24 / 52
p0 −0.4917 ± 92.88
pull
Entries 53
Mean −35.71
Std Dev 0

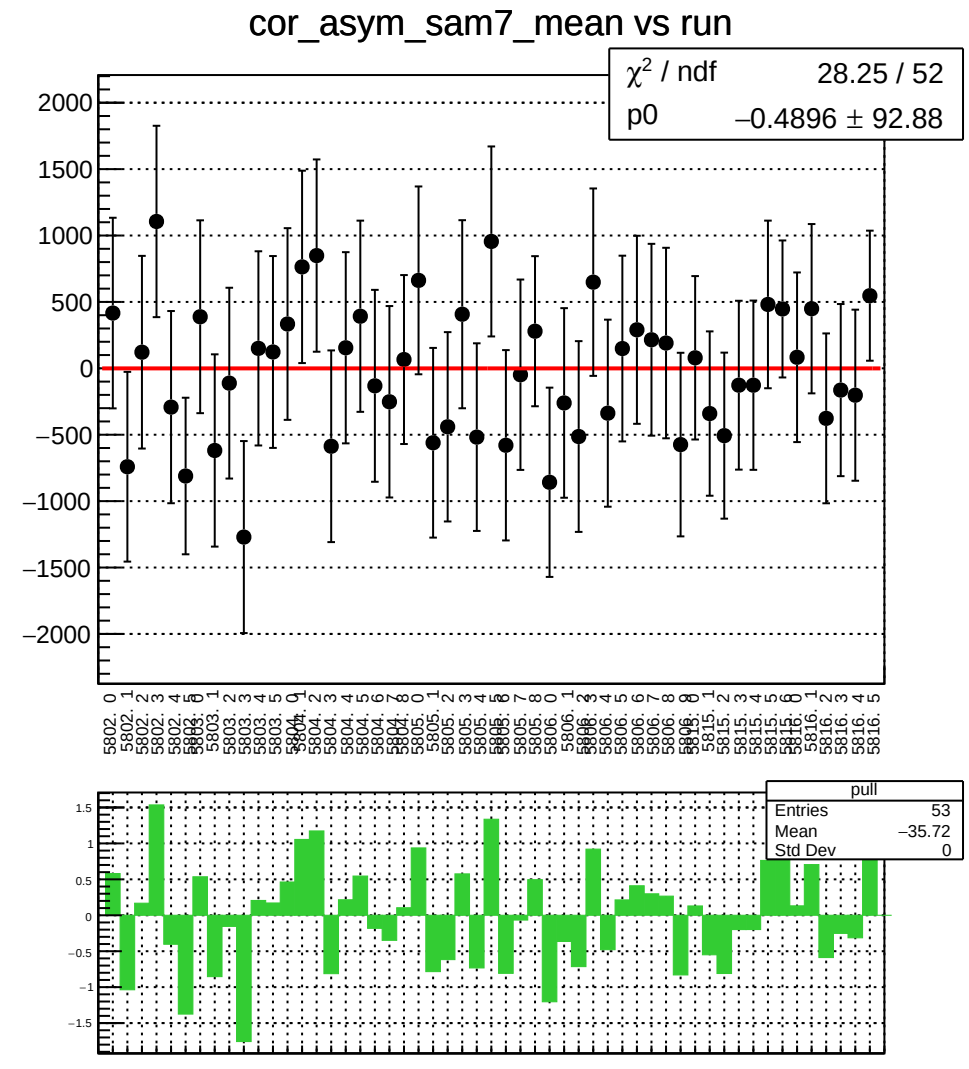

pull1D
Entries 53
Mean −0.009579
Std Dev 0.7299

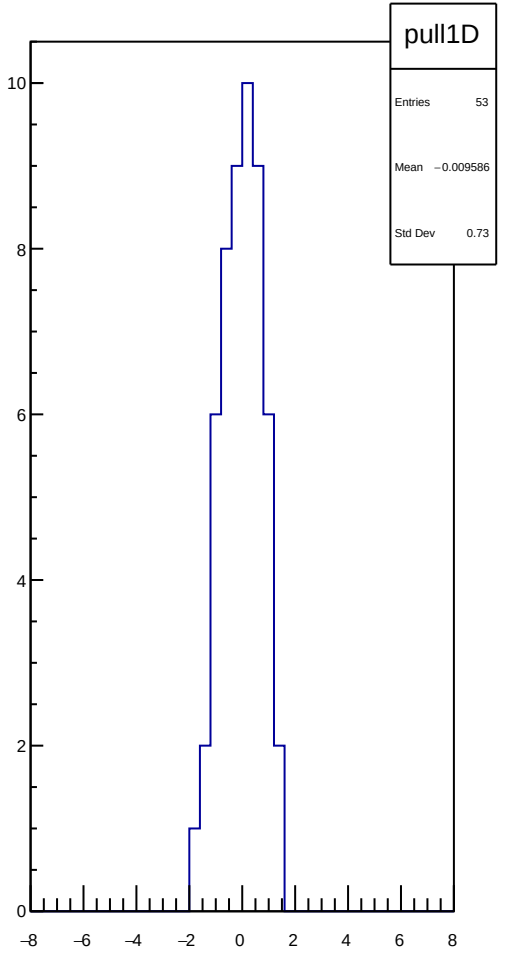

reg_asym_sam7_rms vs run
χ² / ndf 3167 / 52
p0 65.62 ± 0.06568
70
68
66
64
62
60
58

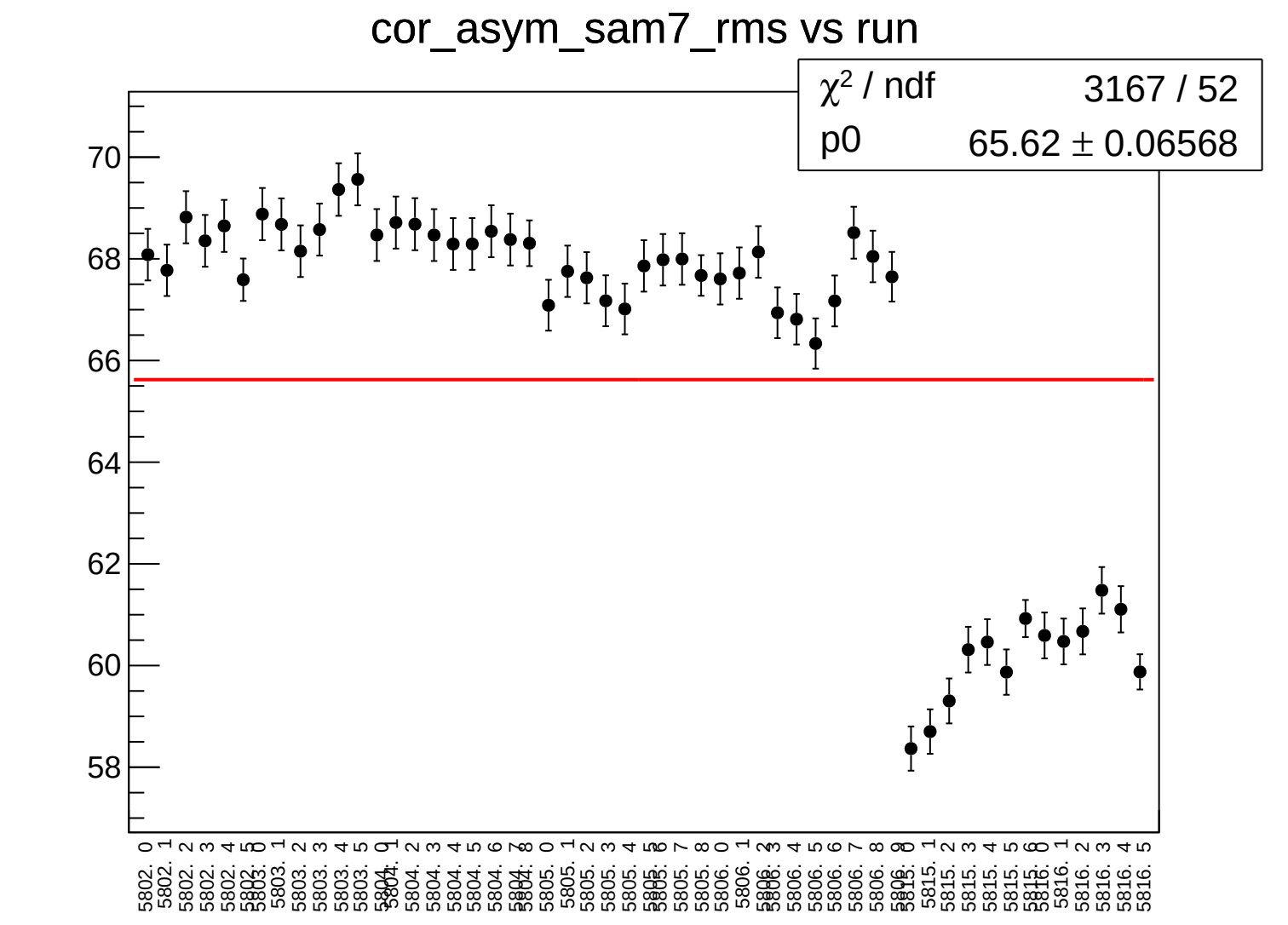

asym_sam7_reg_correction_mean vs run
χ² / ndf 52.13 / 52
p0 29.42 ± 270.2
pull
Entries 53
Mean −82.96
Std Dev 0

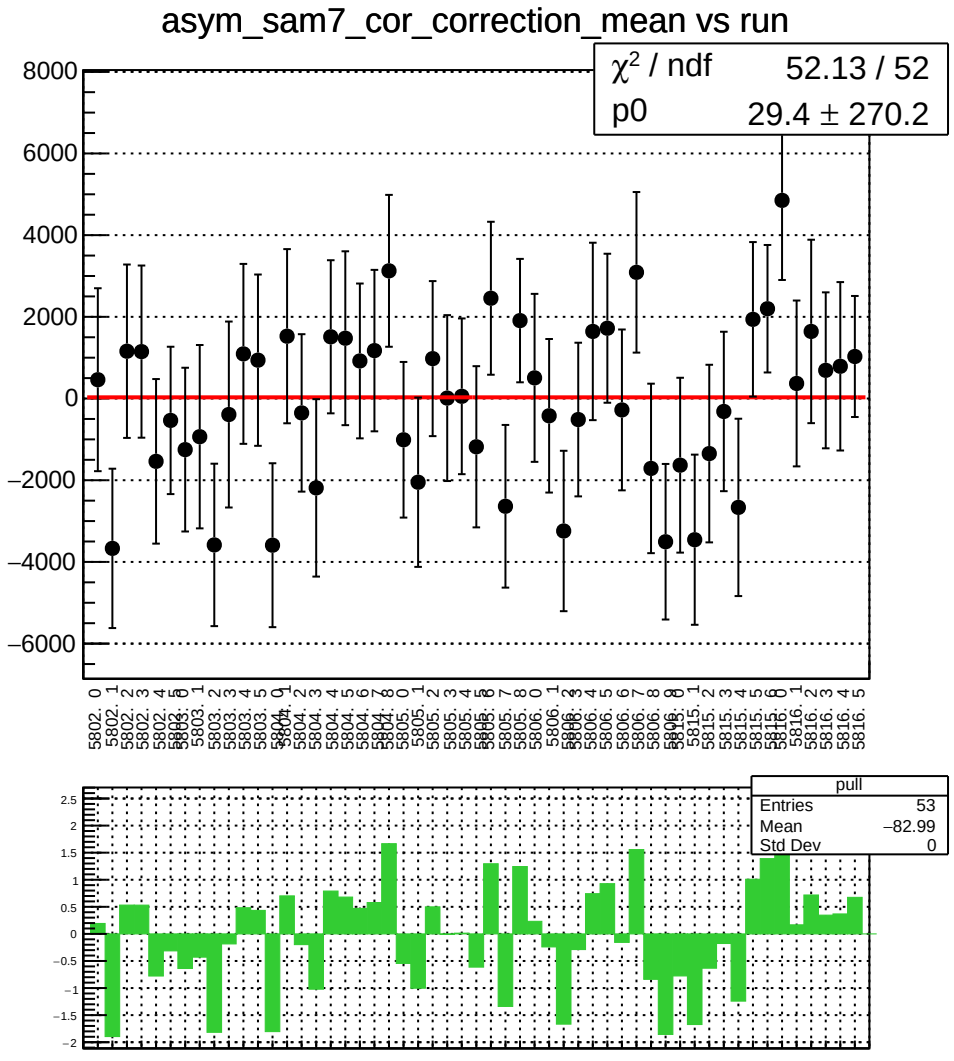

pull1D
Entries 53
Mean −0.02676
Std Dev 0.9914

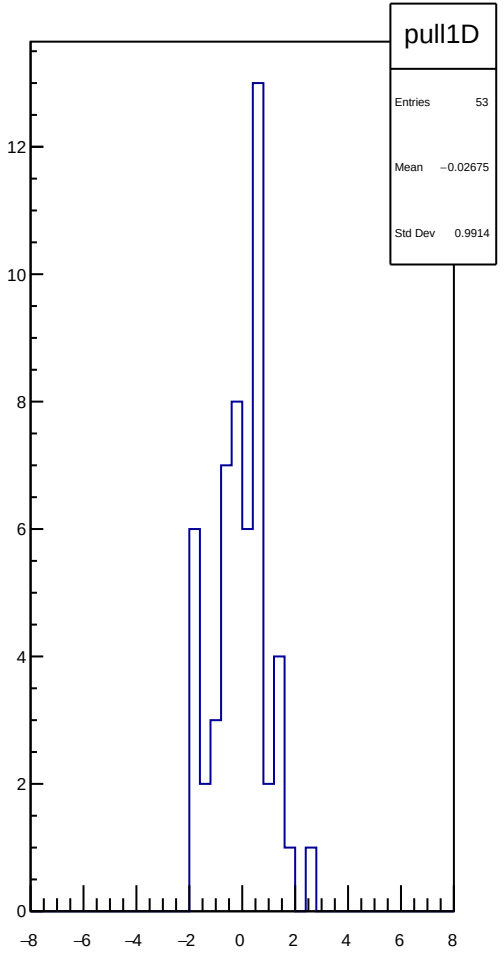

asym_sam7_reg_correction_rms vs run
χ² / ndf 3225 / 52
p0 190.9 ± 0.191
220
210
200
190
180
170

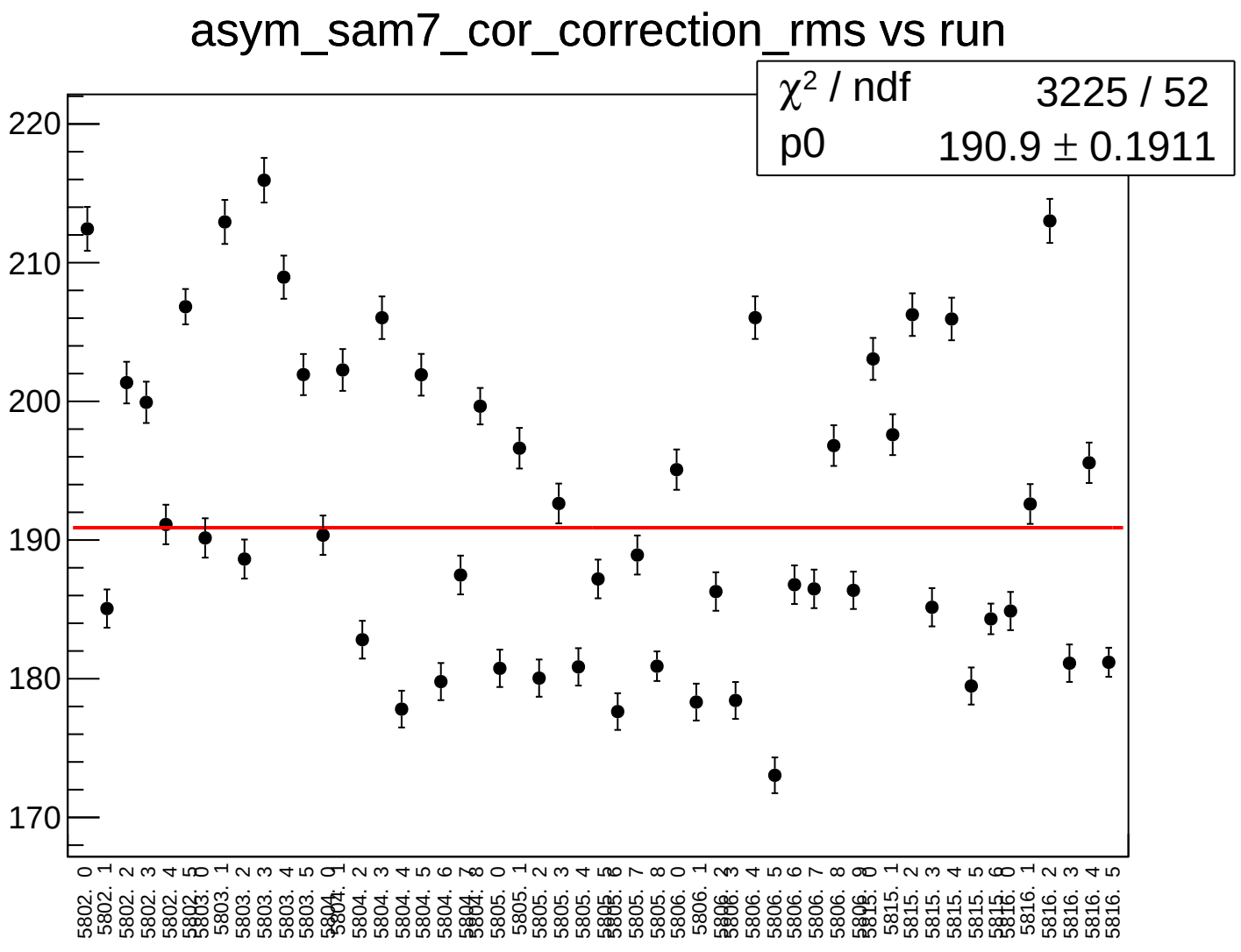

cor_asym_sam7_mean vs run
χ² / ndf 28.25 / 52
p0 −0.4896 ± 92.88
pull
Entries 53
Mean −35.72
Std Dev 0

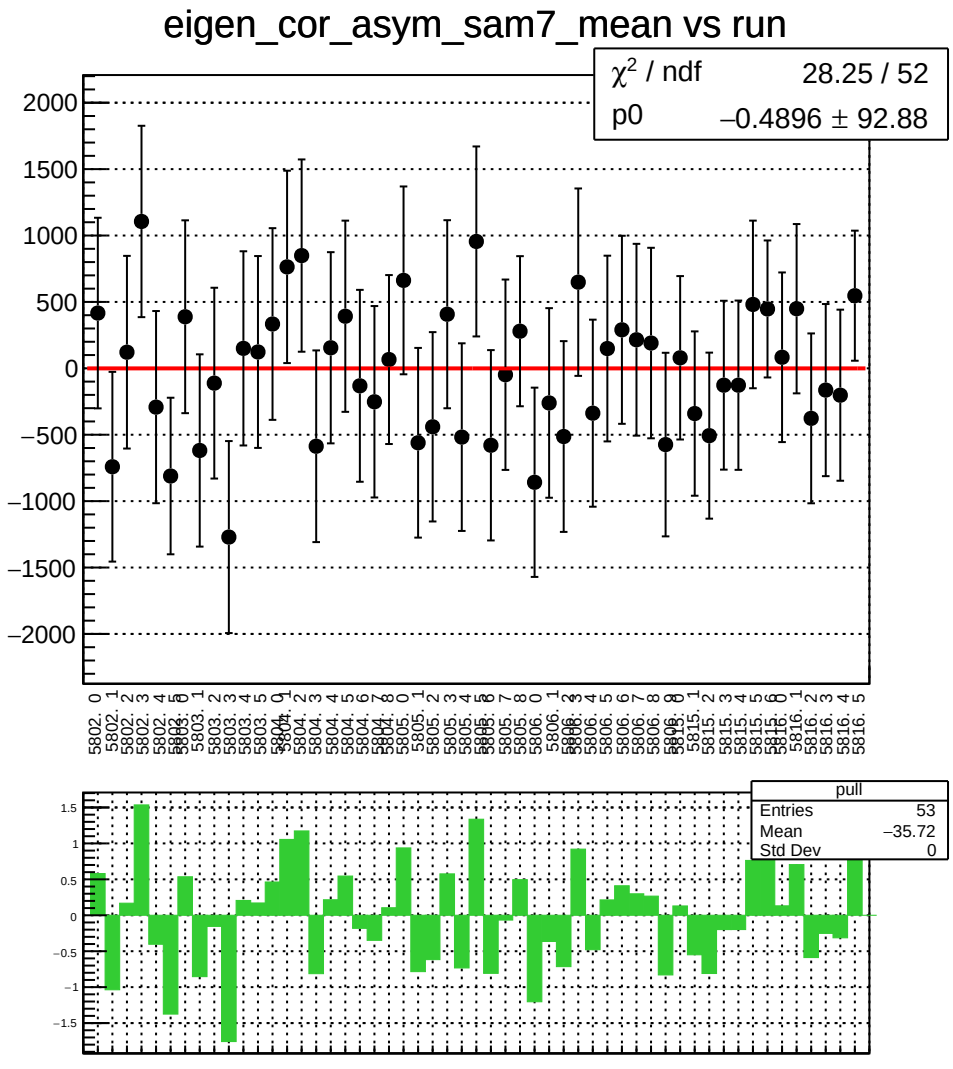

pull1D
Entries 53
Mean −0.009586
Std Dev 0.73

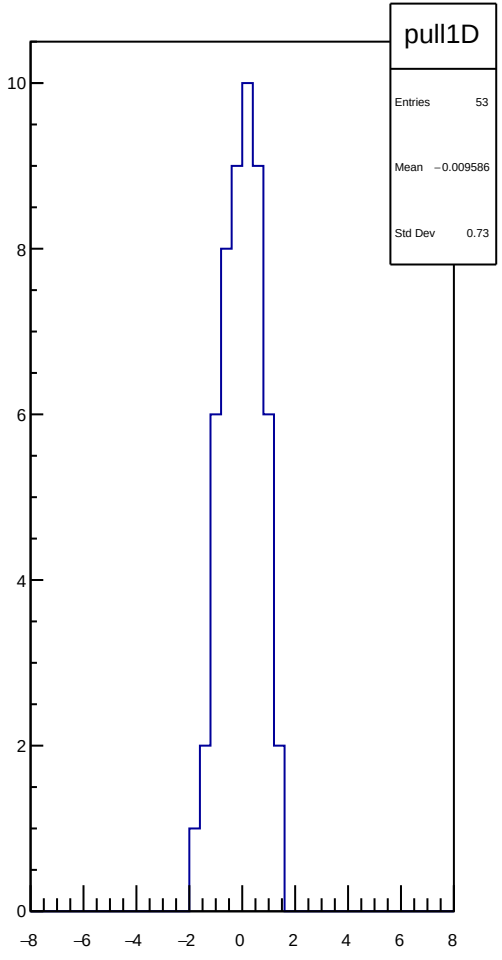

cor_asym_sam7_rms vs run
χ² / ndf 3167 / 52
p0 65.62 ± 0.06568
70
68
66
64
62
60
58

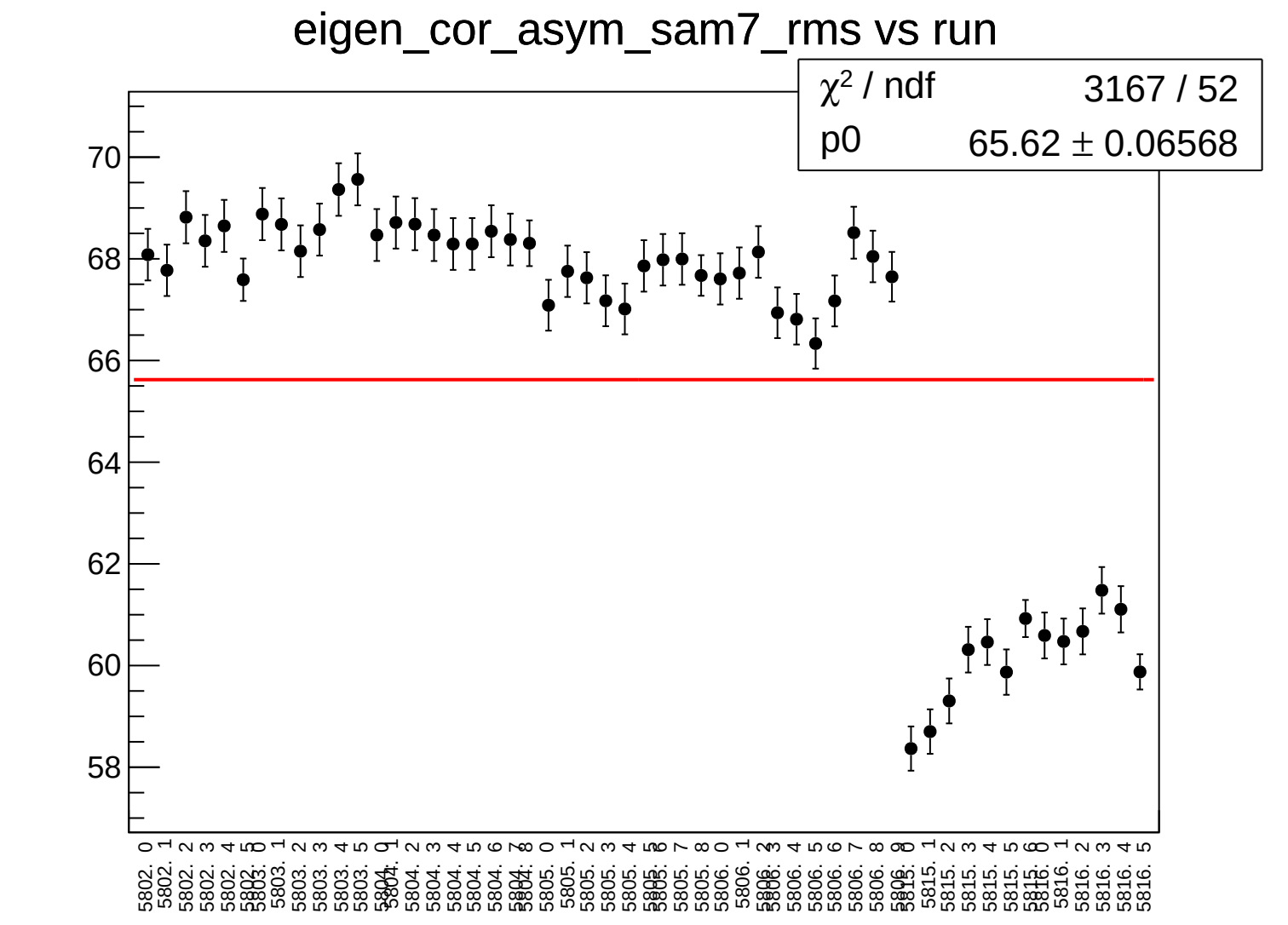

asym_sam7_cor_correction_mean vs run
χ² / ndf 52.13 / 52
p0 29.4 ± 270.2
pull
Entries 53
Mean −82.99
Std Dev 0

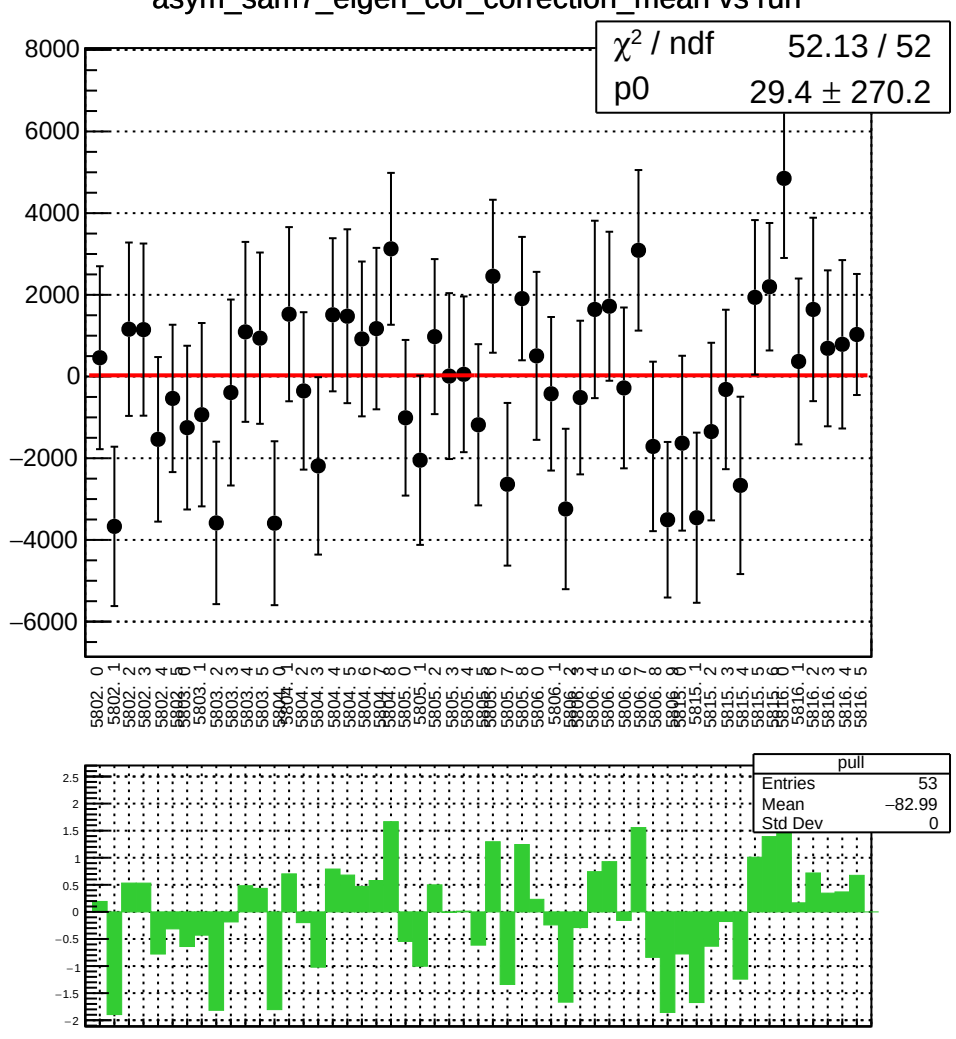

pull1D
Entries 53
Mean −0.02675
Std Dev 0.9914

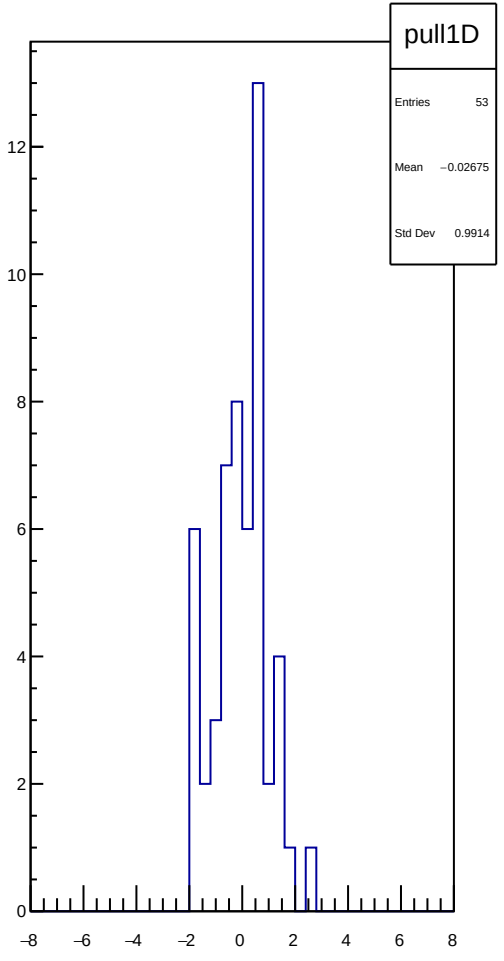

asym_sam7_cor_correction_rms vs run
χ² / ndf 3225 / 52
p0 190.9 ± 0.1911
220
210
200
190
180
170

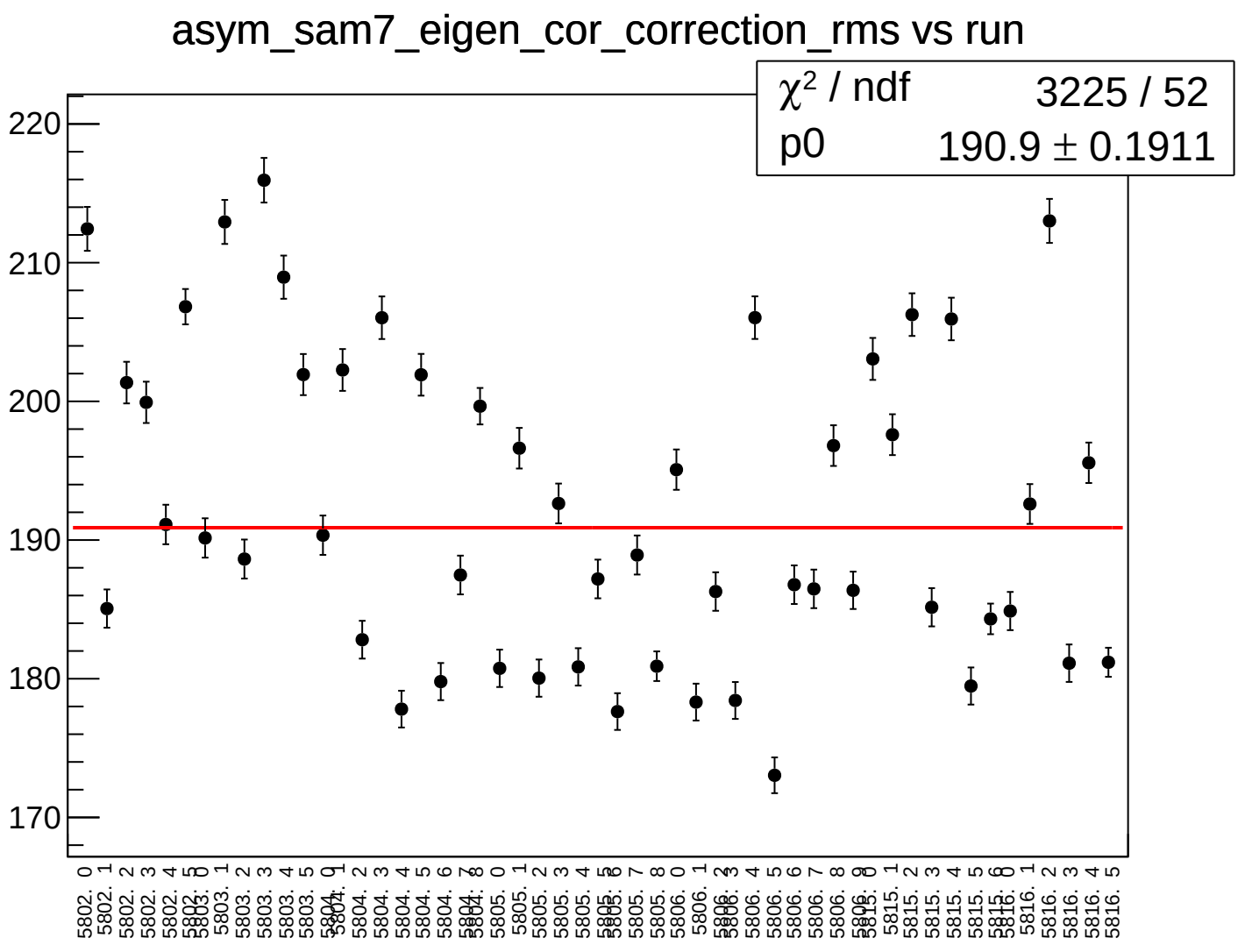

eigen_cor_asym_sam7_mean vs run
χ² / ndf 28.25 / 52
p0 −0.4896 ± 92.88
pull
Entries 53
Mean −35.72
Std Dev 0

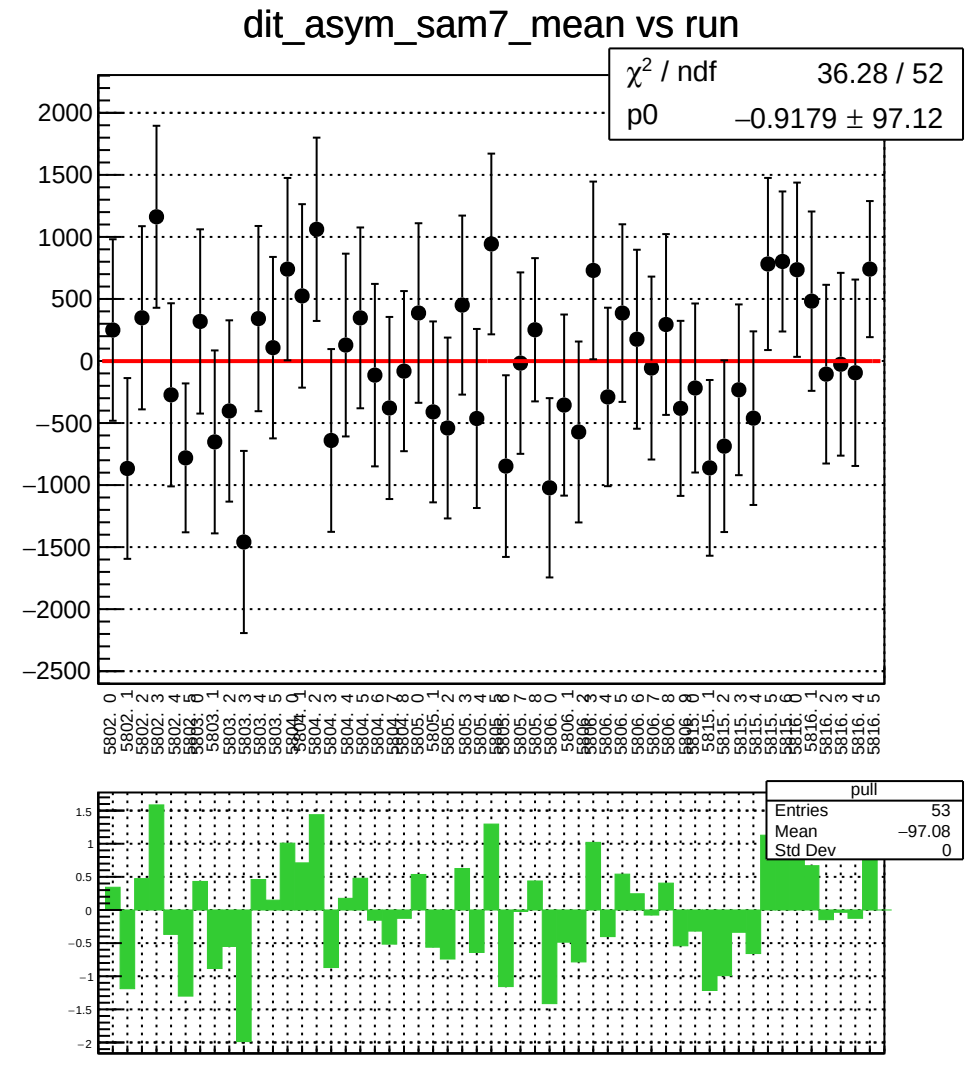

pull1D
Entries 53
Mean −0.009586
Std Dev 0.73

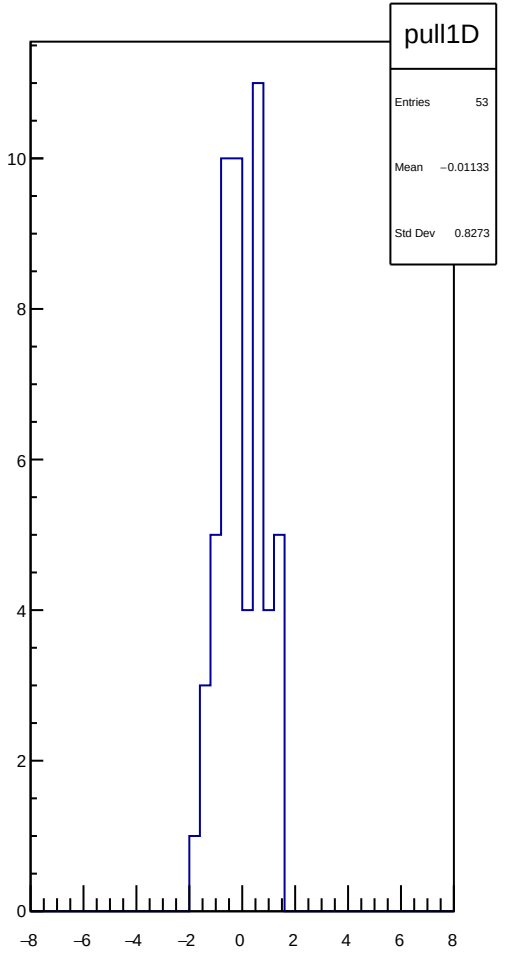

eigen_cor_asym_sam7_rms vs run
χ² / ndf 3167 / 52
p0 65.62 ± 0.06568
70
68
66
64
62
60
58

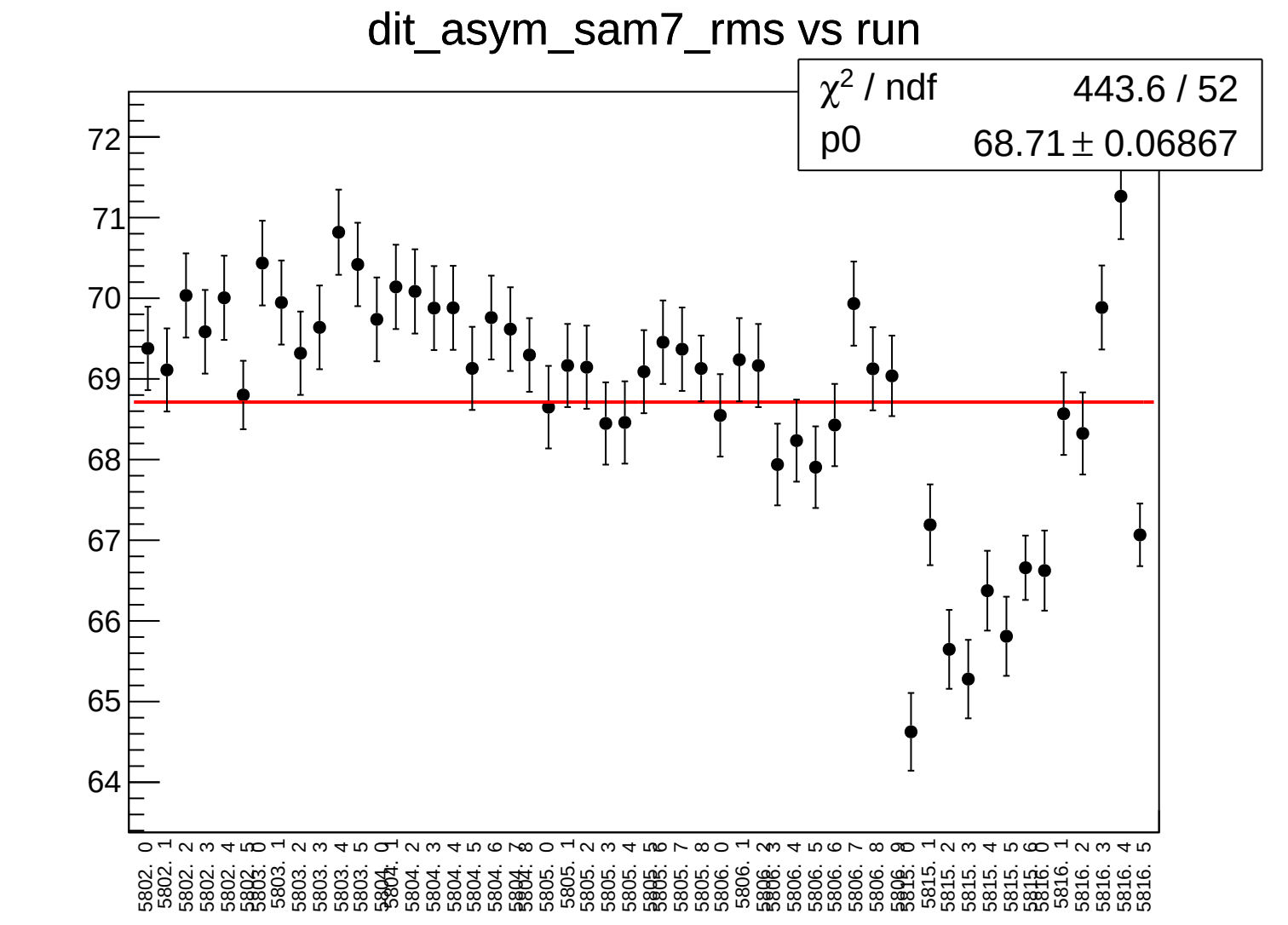

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 52.13 / 52
p0 29.4 ± 270.2
pull
Entries 53
Mean −82.99
Std Dev 0

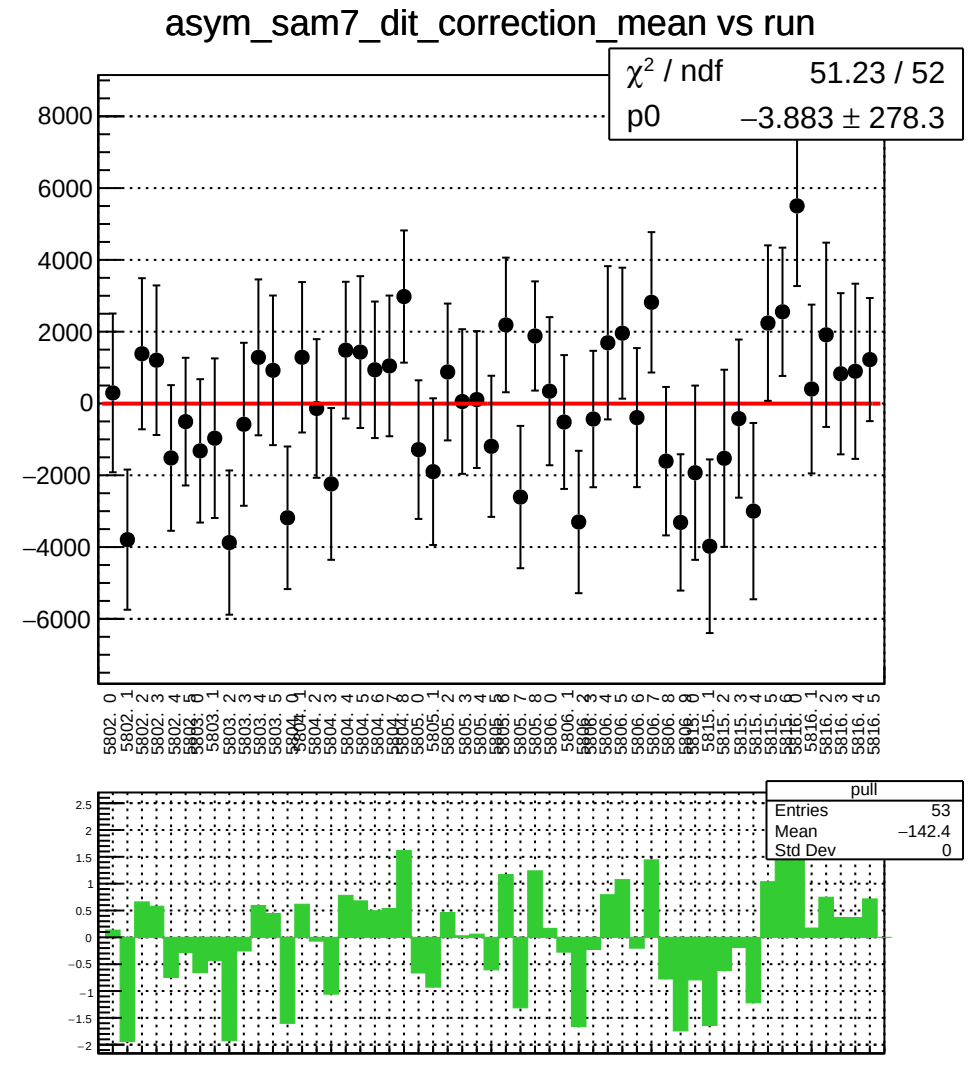

pull1D
Entries 53
Mean −0.02675
Std Dev 0.9914

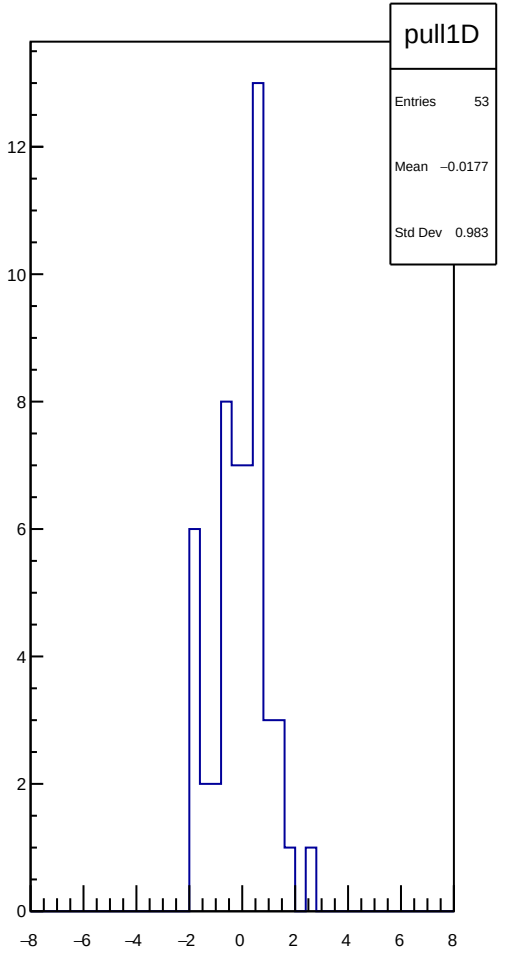

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3225 / 52
p0 190.9 ± 0.1911
220
210
200
190
180
170

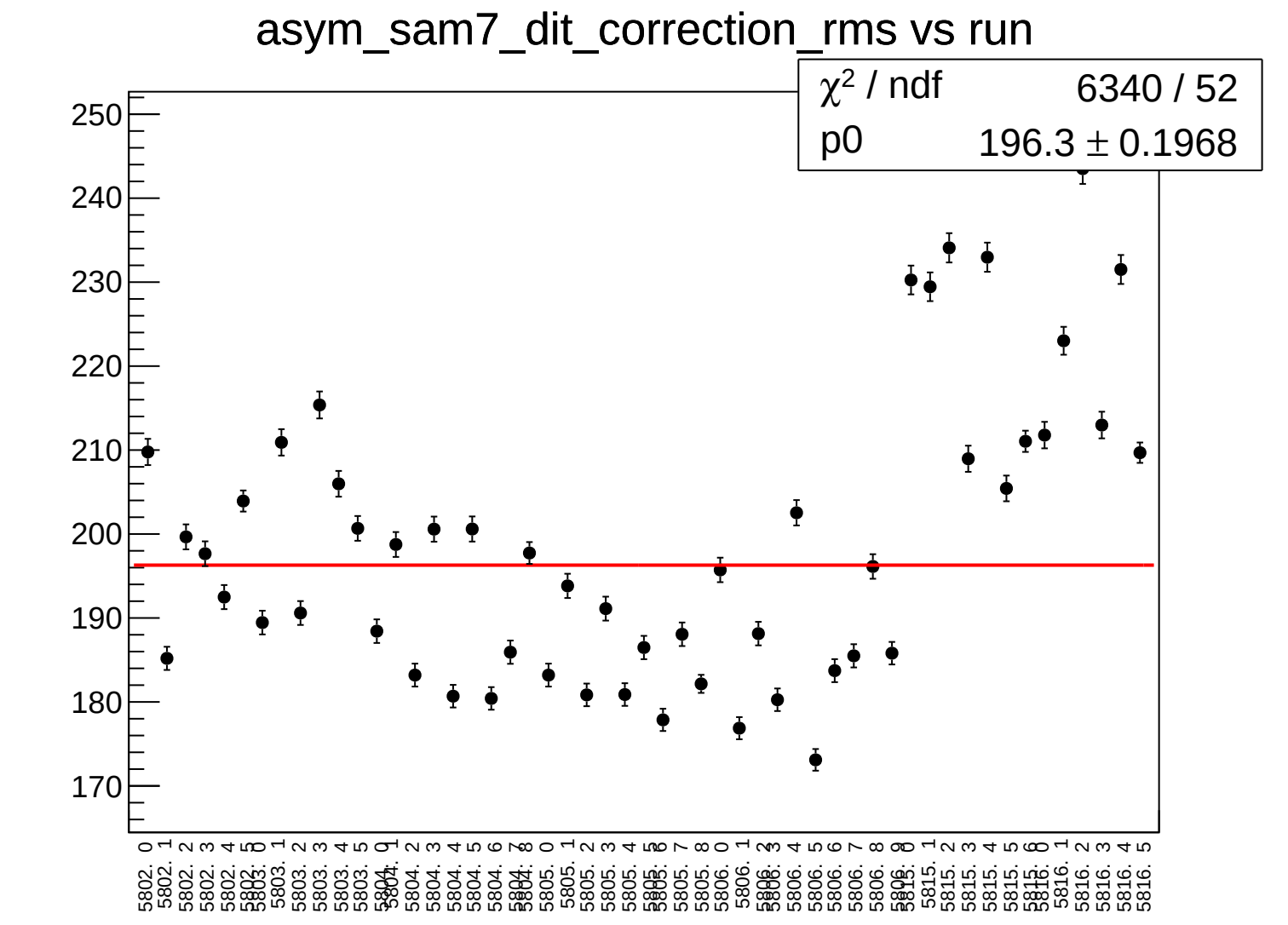

dit_asym_sam7_mean vs run
χ² / ndf 36.28 / 52
p0 −0.9179 ± 97.12
pull
Entries 53
Mean −97.08
Std Dev 0

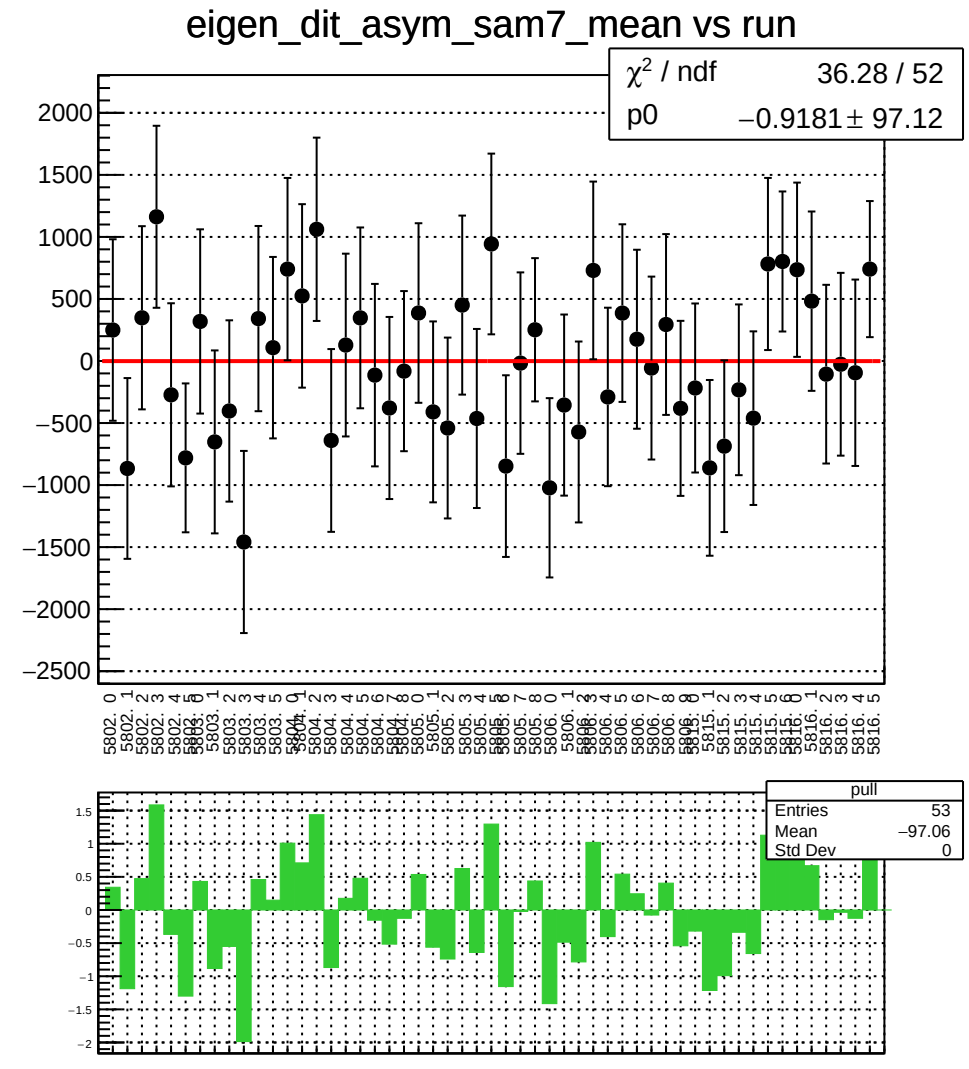

pull1D
Entries 53
Mean −0.01133
Std Dev 0.8273

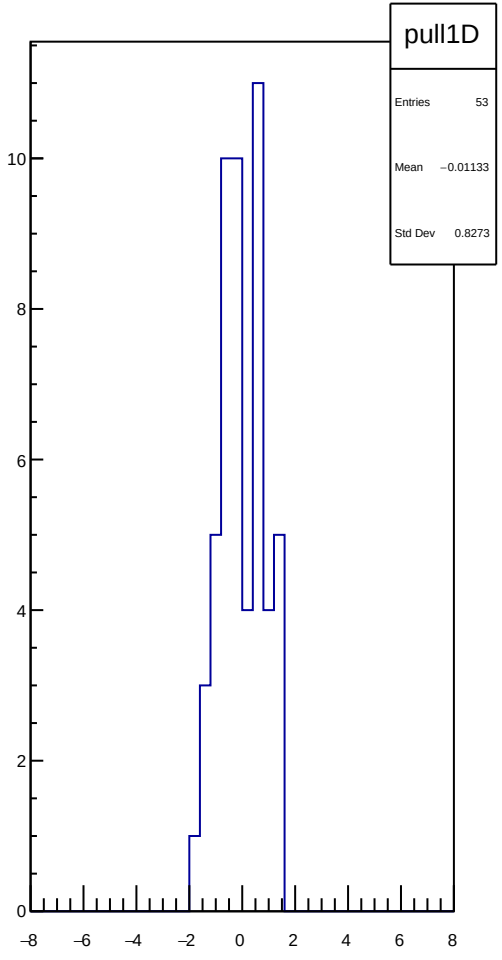

dit_asym_sam7_rms vs run
χ^2 / ndf 443.6 / 52
p0 68.71 ± 0.06867
72
71
70
69
68
67
66
65
64
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

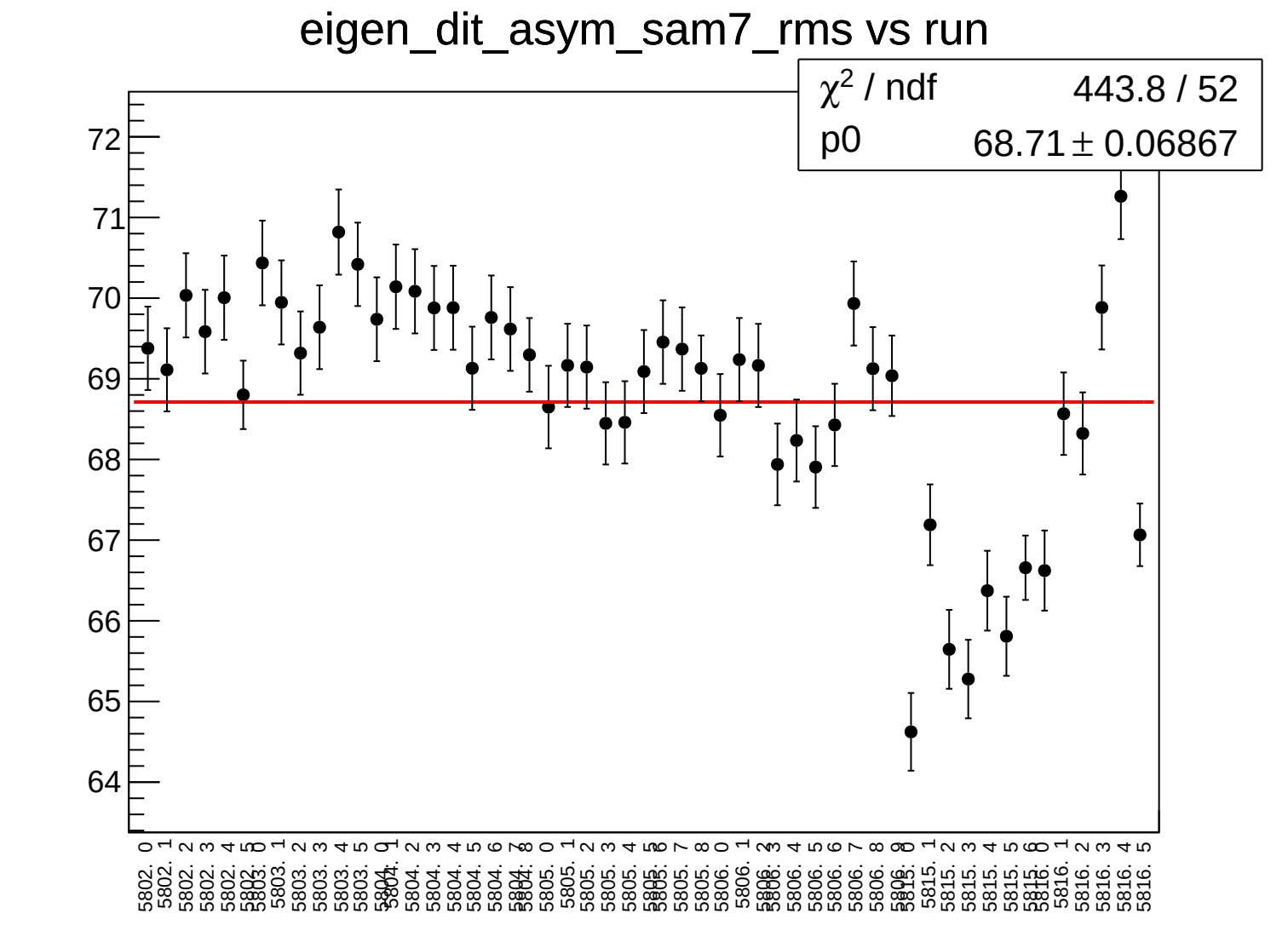

asym_sam7_dit_correction_mean vs run
χ² / ndf 51.23 / 52
p0 −3.883 ± 278.3
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −142.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

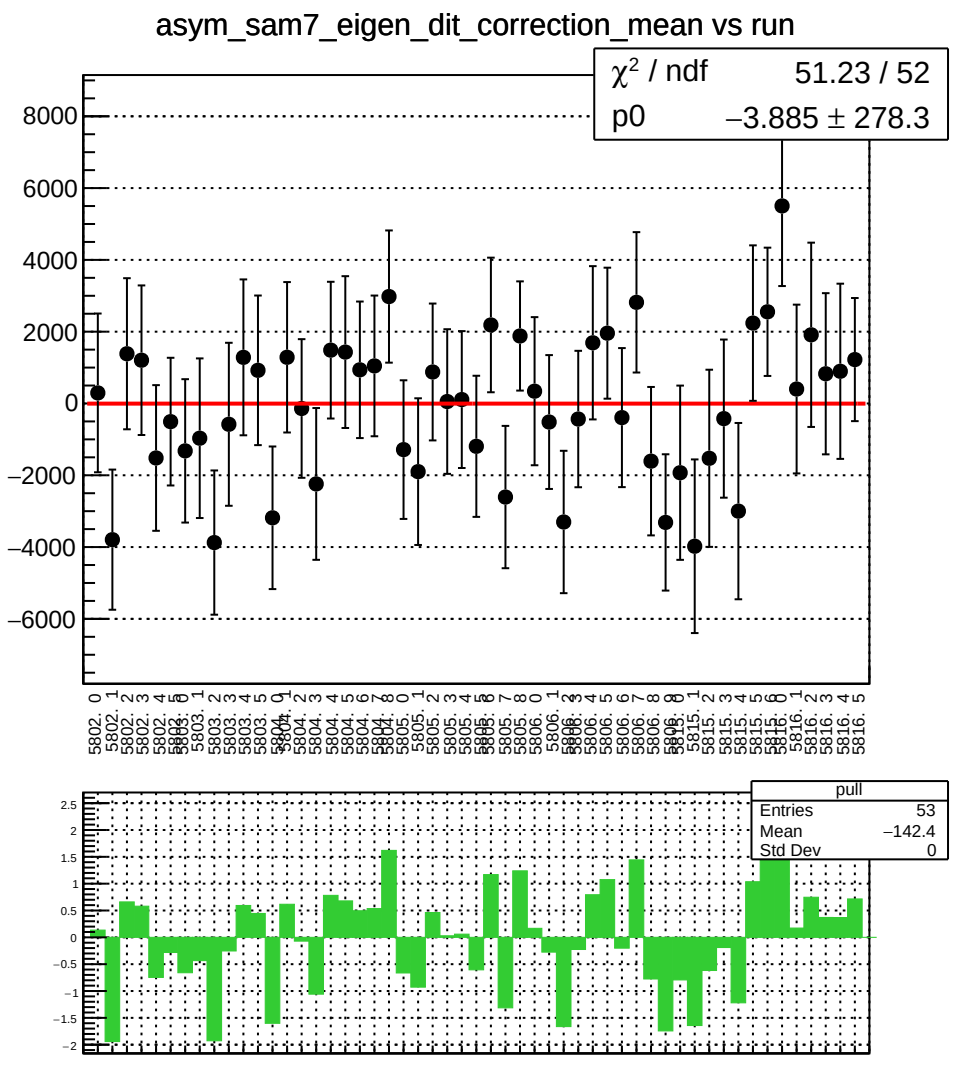

pull1D
Entries 53
Mean −0.0177
Std Dev 0.983
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

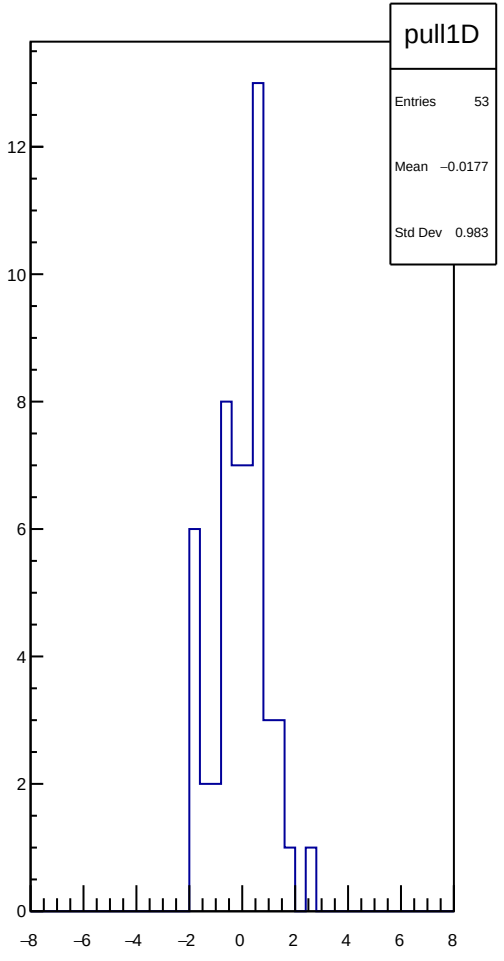

asym_sam7_dit_correction_rms vs run
χ² / ndf 6340 / 52
p0 196.3 ± 0.1968
250
240
230
220
210
200
190
180
170

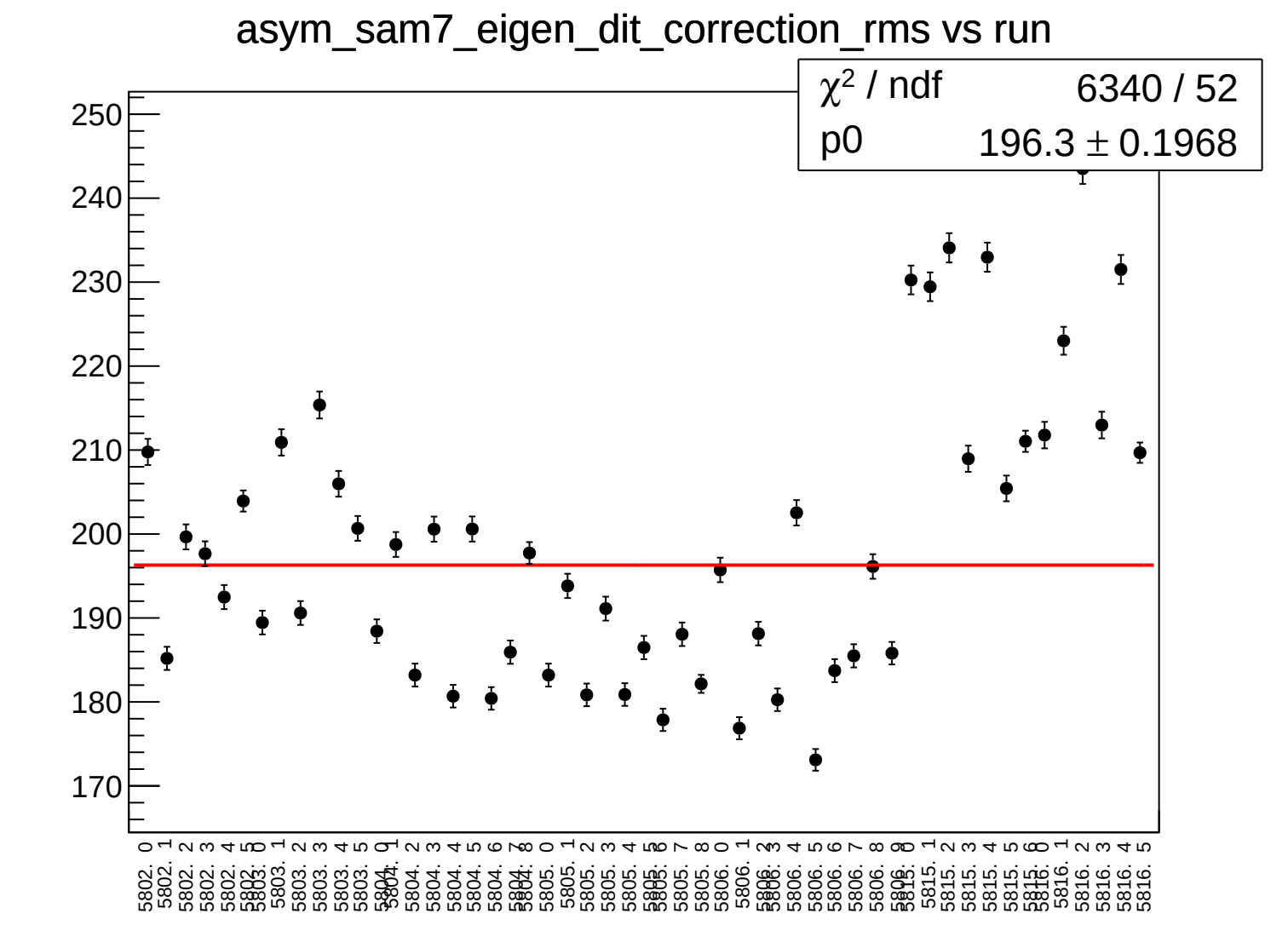

eigen_dit_asym_sam7_mean vs run
χ² / ndf 36.28 / 52
p0 −0.9181 ± 97.12
pull
Entries 53
Mean −97.06
Std Dev 0

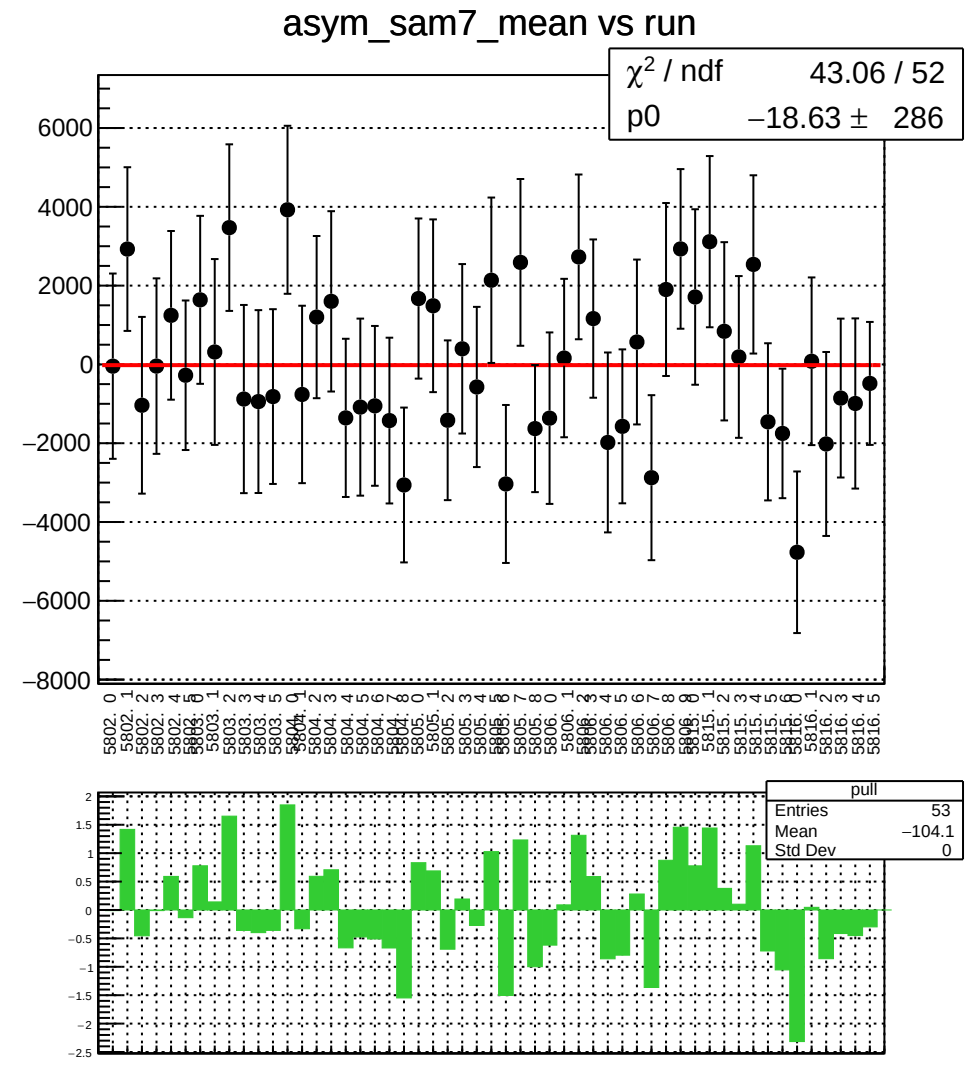

pull1D
Entries 53
Mean −0.01133
Std Dev 0.8273

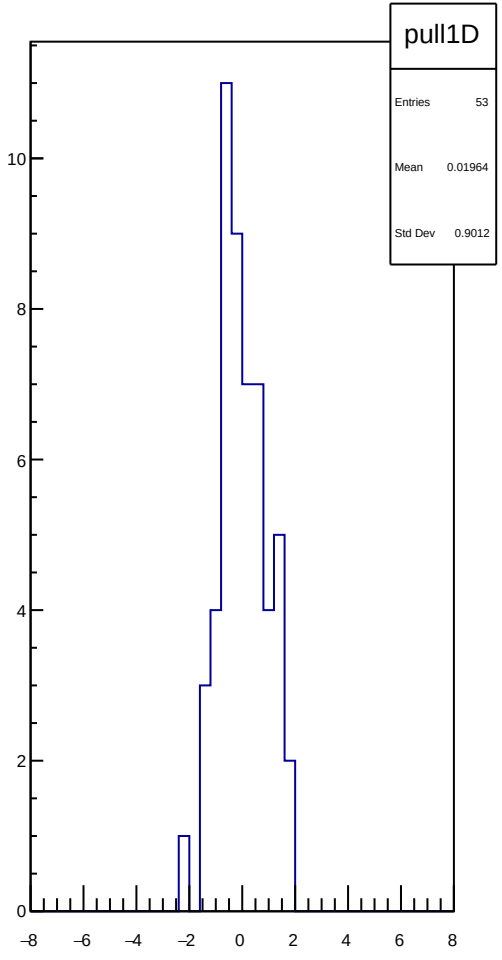

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 443.8 / 52
p0 68.71 ± 0.06867
72
71
70
69
68
67
66
65
64

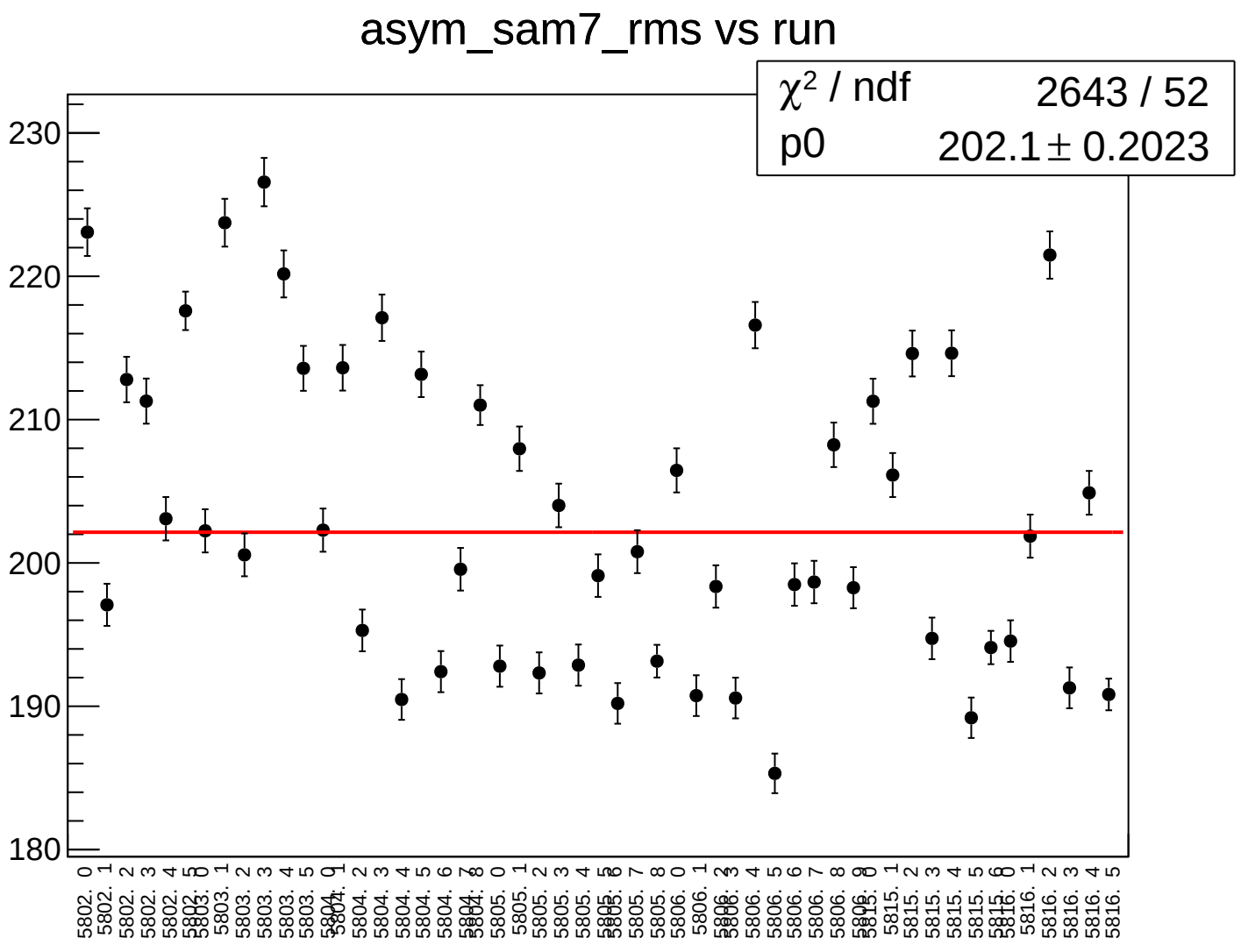

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 51.23 / 52
p0 −3.885 ± 278.3
pull
Entries 53
Mean −142.4
Std Dev 0

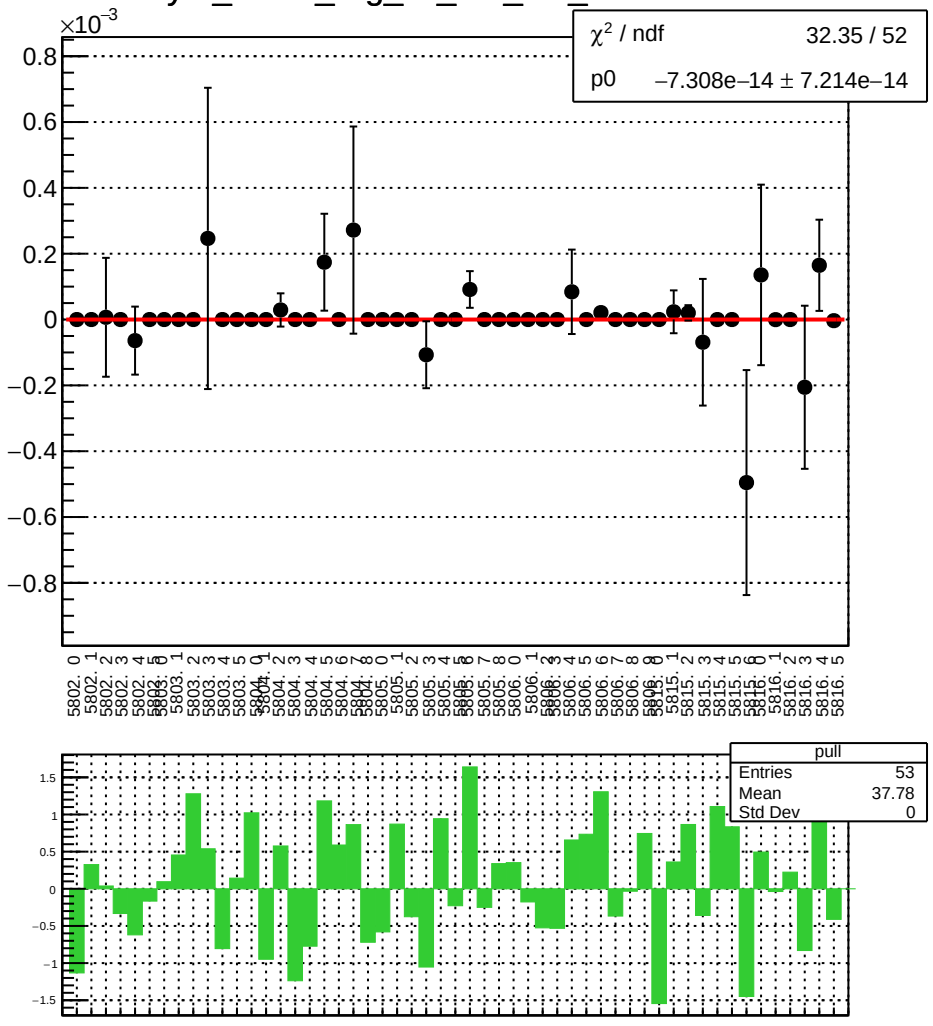

pull1D
Entries 53
Mean −0.0177
Std Dev 0.983

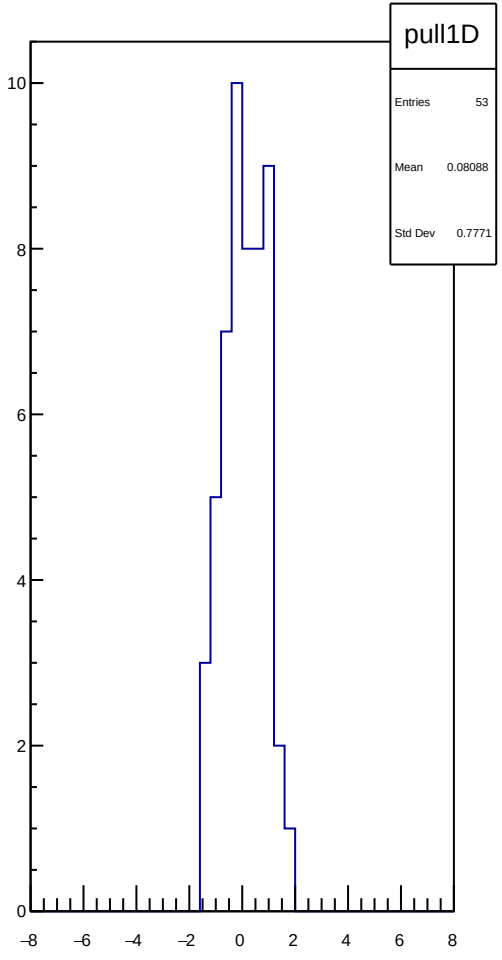

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 6340 / 52
p0 196.3 ± 0.1968
250
240
230
220
210
200
190
180
170

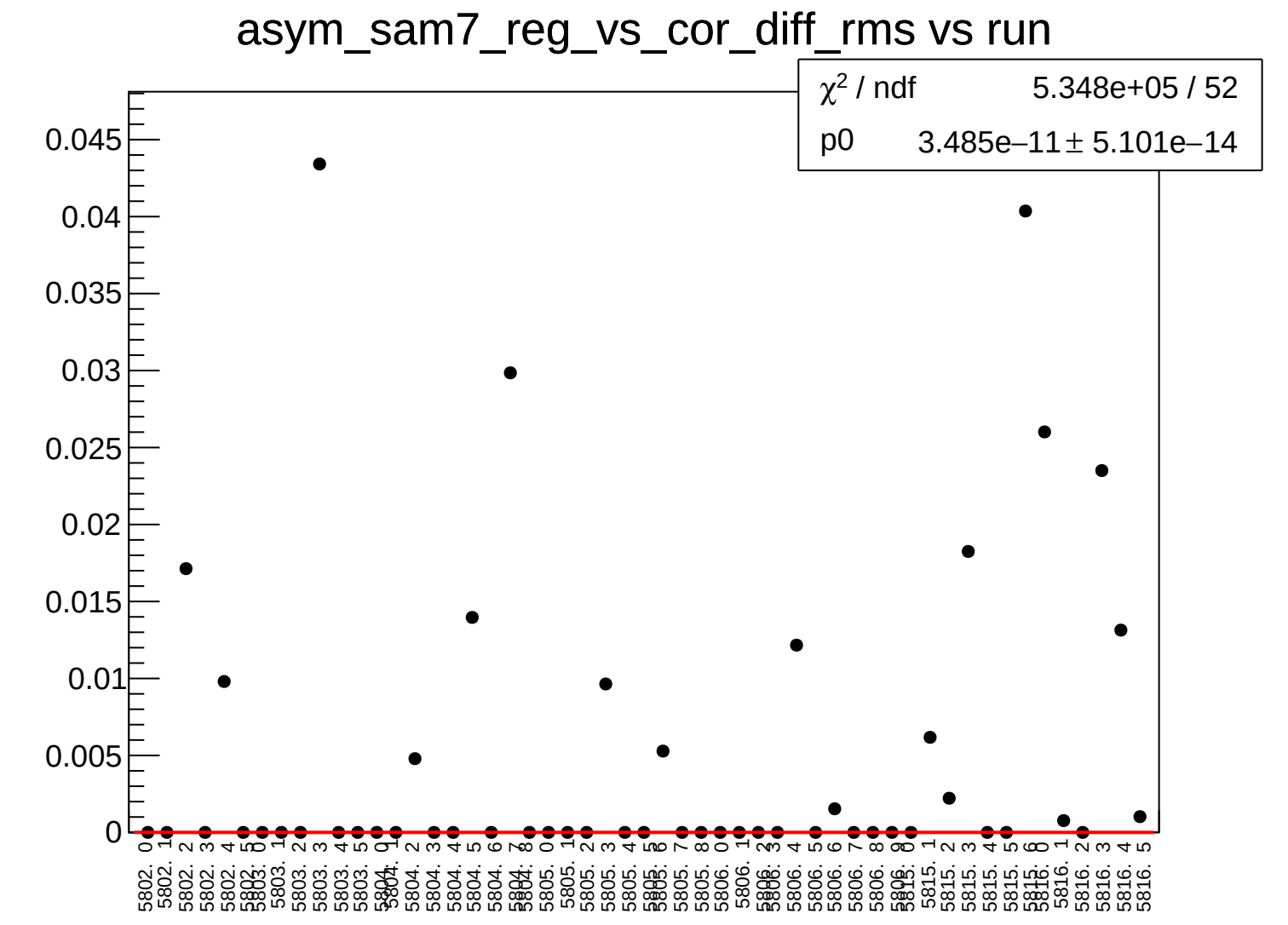

asym_sam7_mean vs run
χ² / ndf 43.06 / 52
p0 −18.63 ± 286
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 53
Mean −104.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

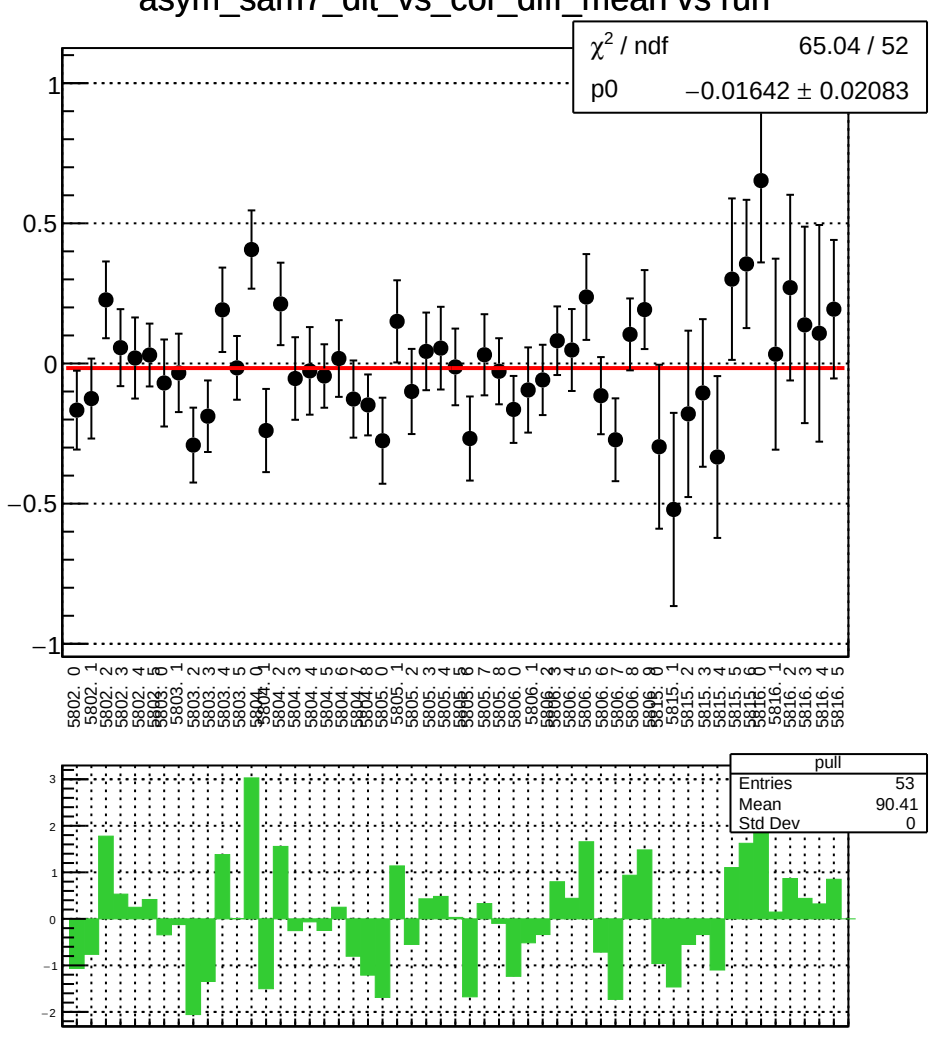

pull1D
Entries 53
Mean 0.01964
Std Dev 0.9012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

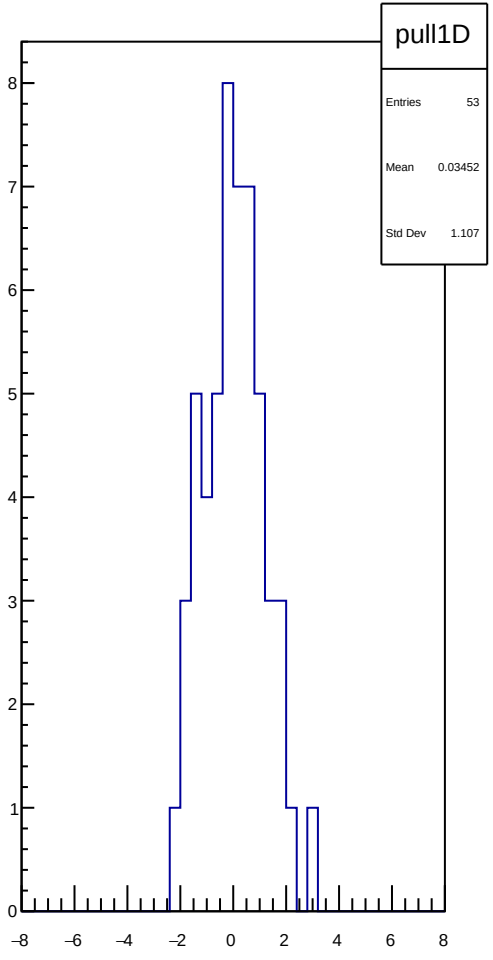

asym_sam7_rms vs run
χ² / ndf 2643 / 52
p0 202.1 ± 0.2023
230
220
210
200
190
180

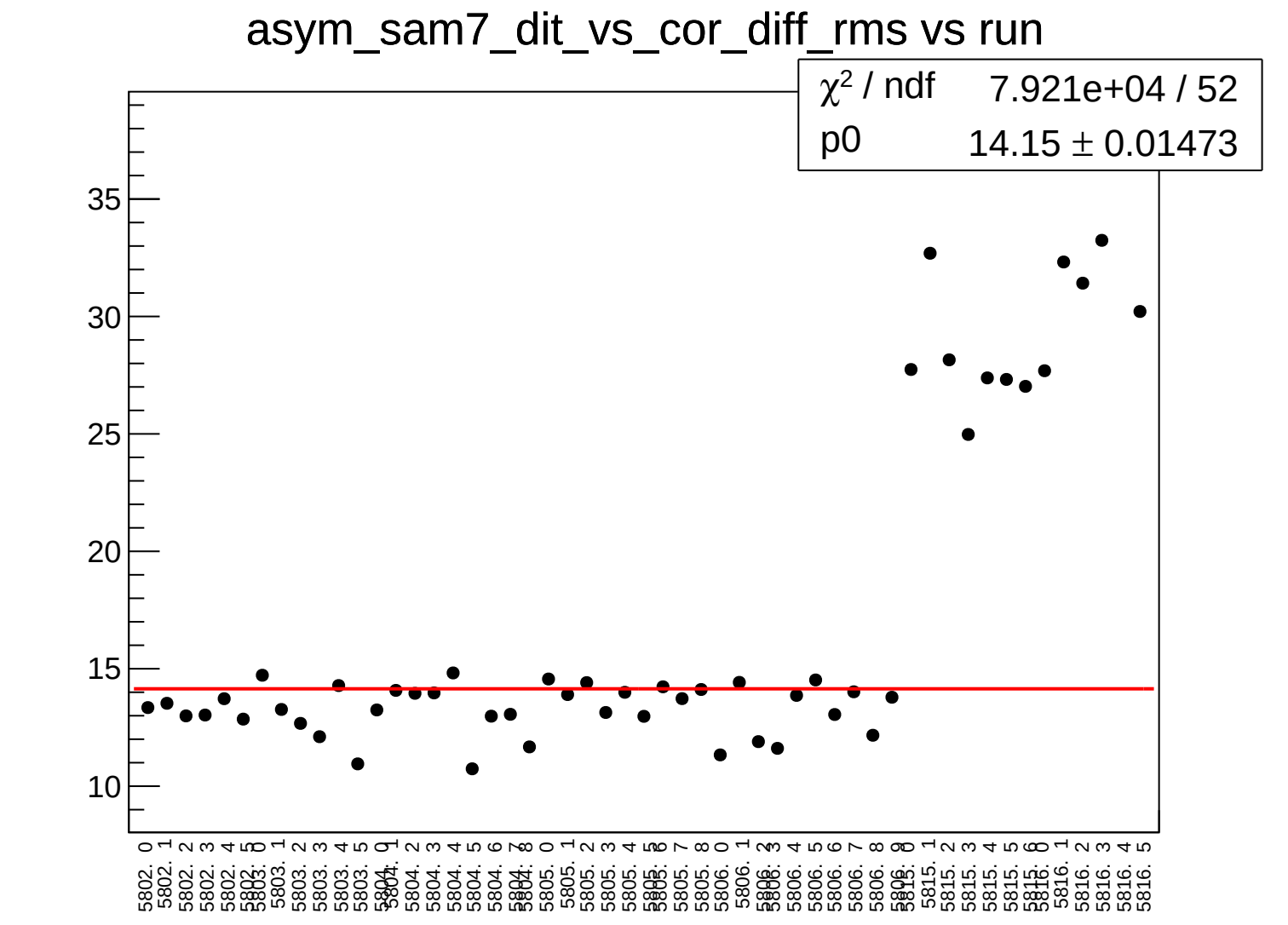

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 32.35 / 52
p0 −7.308e−14 ± 7.214e−14
pull
Entries 53
Mean 37.78
Std Dev 0

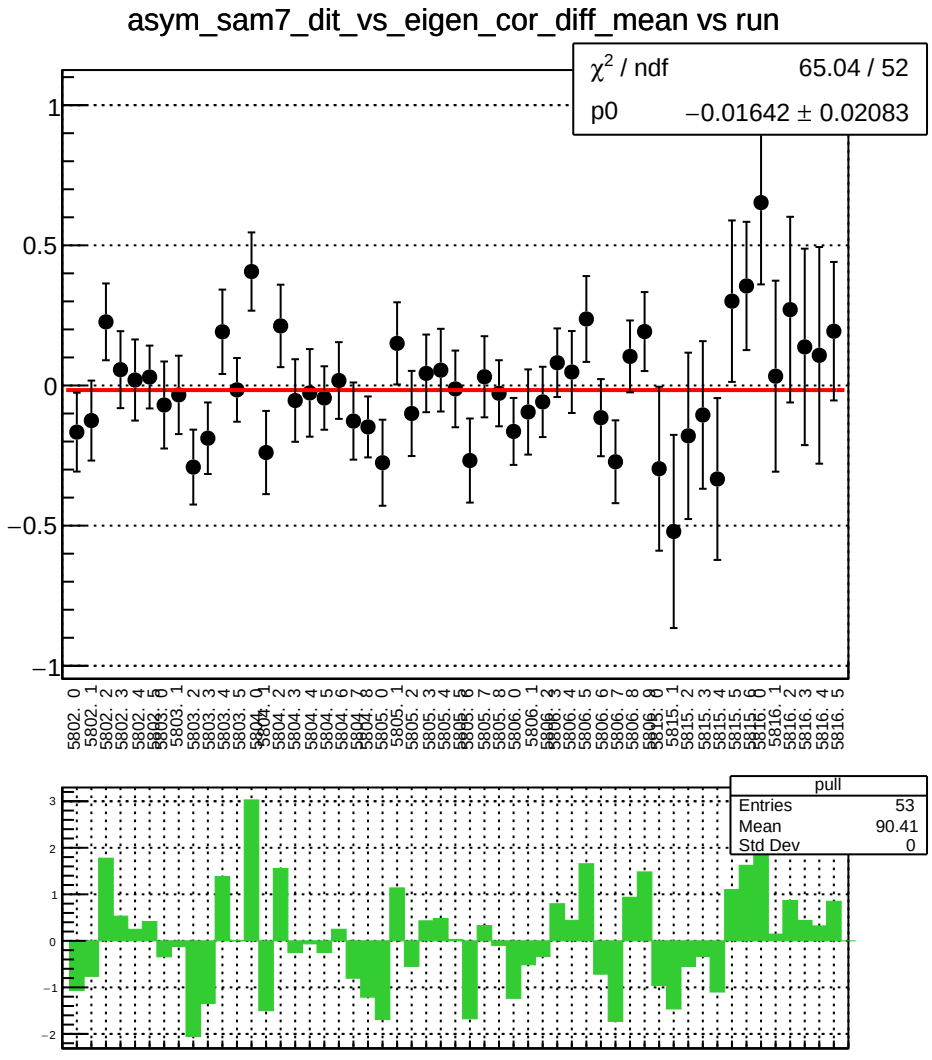

pull1D
Entries 53
Mean 0.08088
Std Dev 0.7771

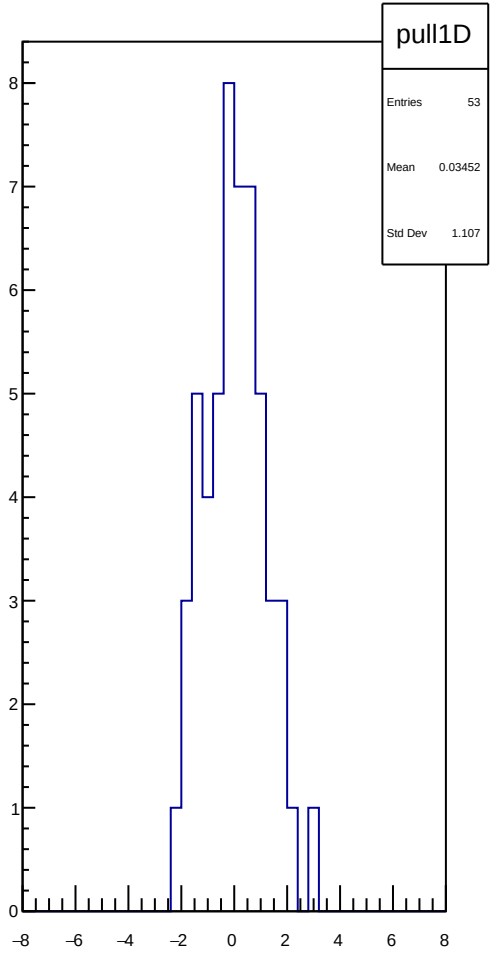

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 5.348e+05 / 52
p0 3.485e−11 ± 5.101e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

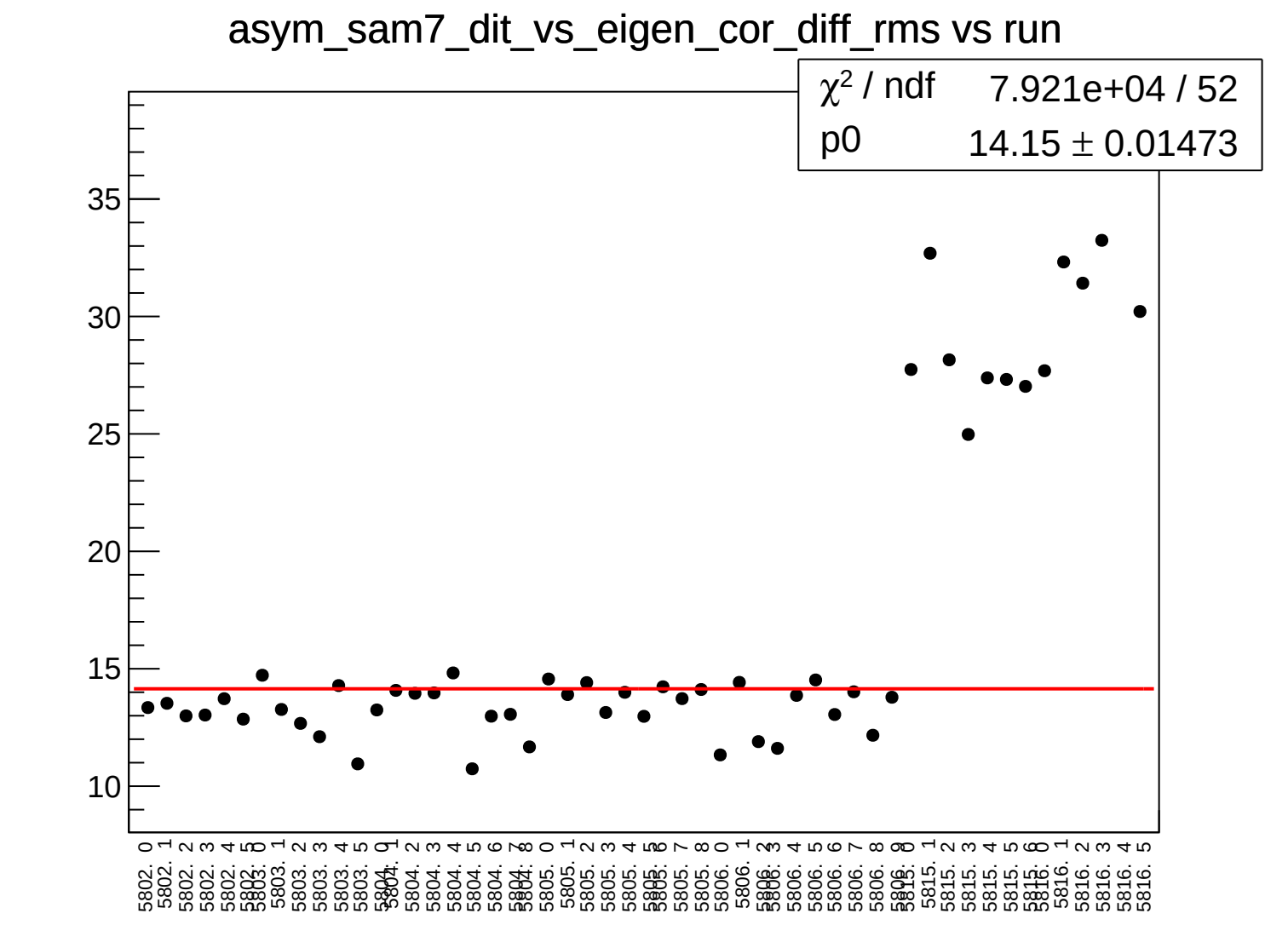

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 65.04 / 52
p0 −0.01642 ± 0.02083
pull
Entries 53
Mean 90.41
Std Dev 0

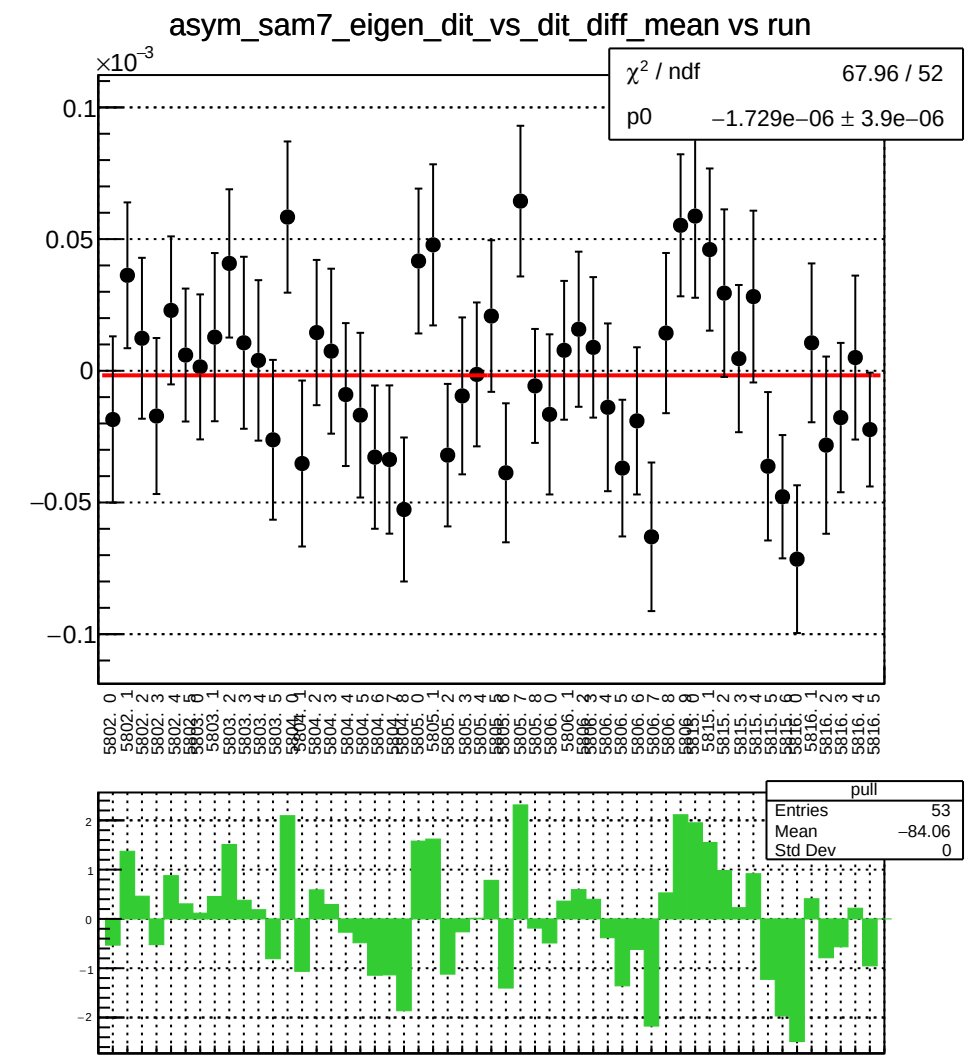

pull1D
Entries 53
Mean 0.03452
Std Dev 1.107

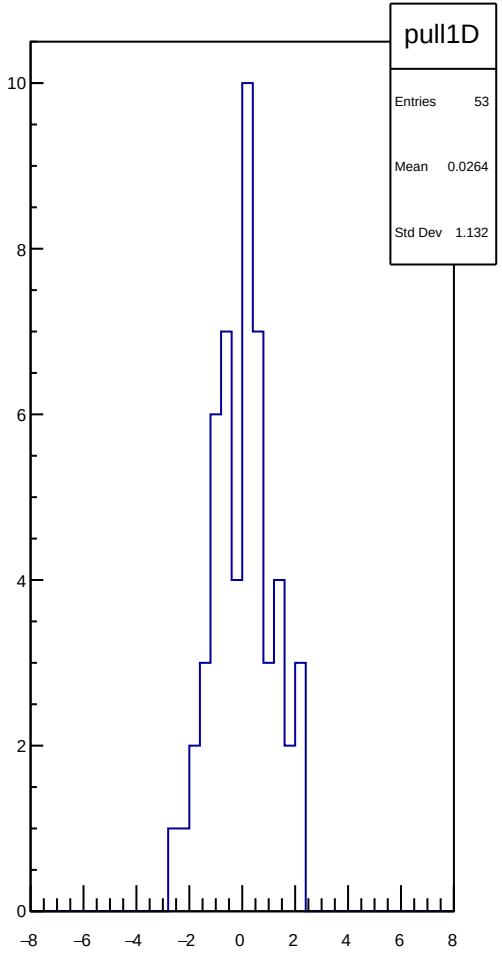

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 7.921e+04 / 52
p0 14.15 ± 0.01473
35
30
25
20
15
10

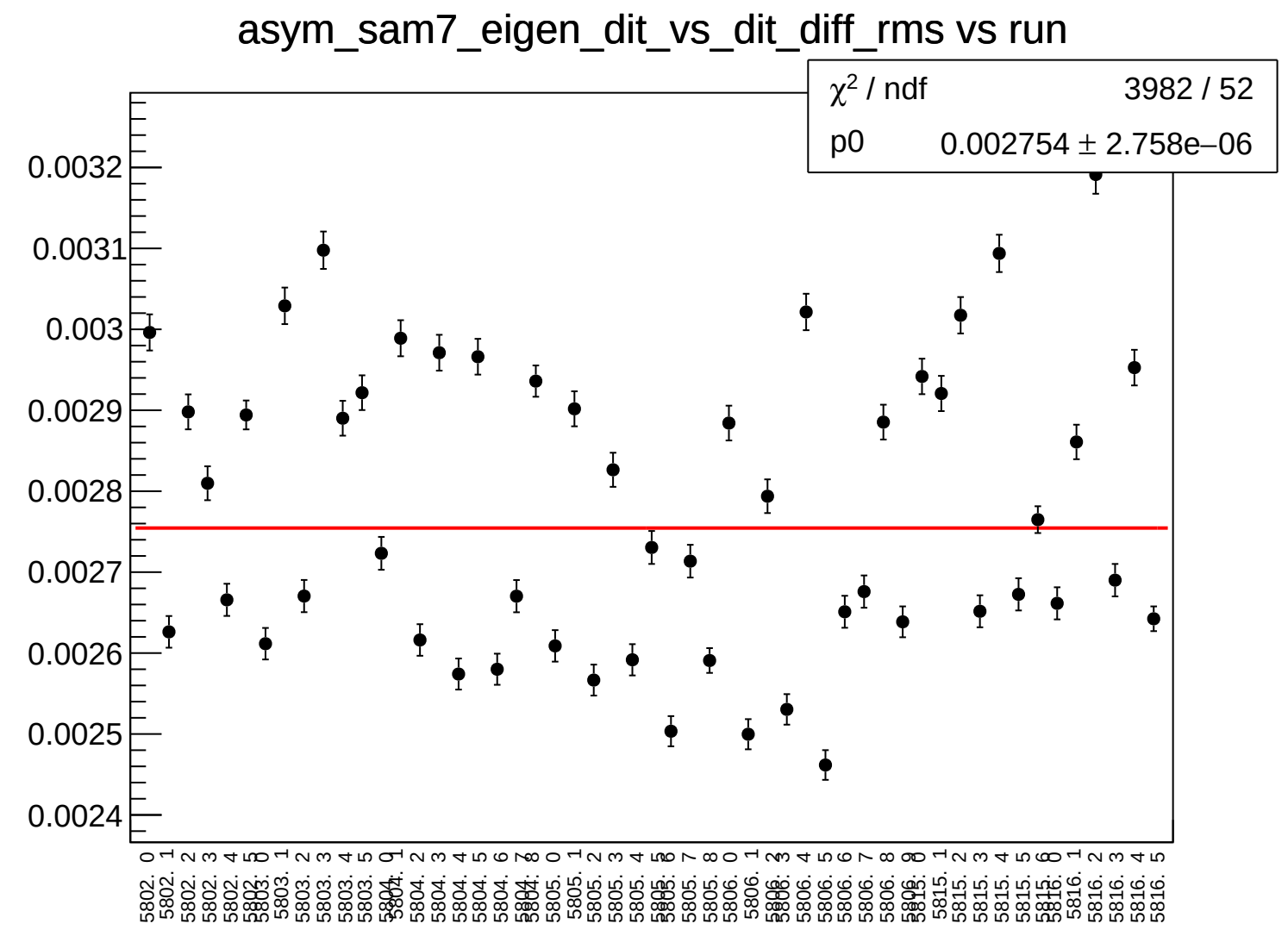

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.04 / 52
p0 −0.01642 ± 0.02083
pull
Entries 53
Mean 90.41
Std Dev 0

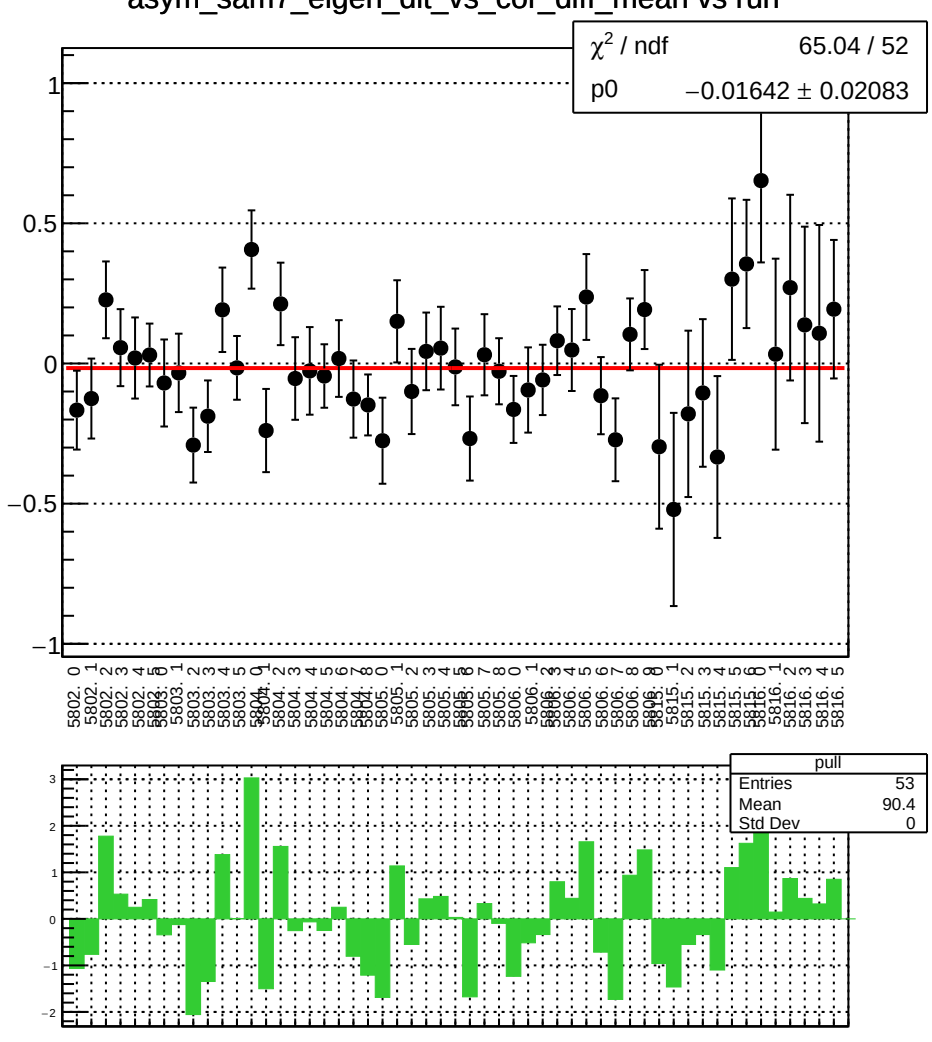

pull1D
Entries 53
Mean 0.03452
Std Dev 1.107

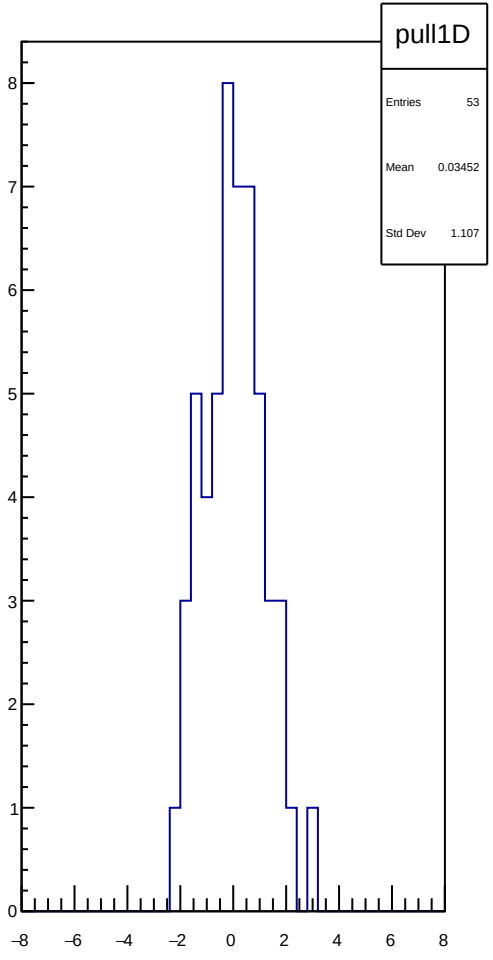

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.921e+04 / 52
p0 14.15 ± 0.01473
35
30
25
20
15
10

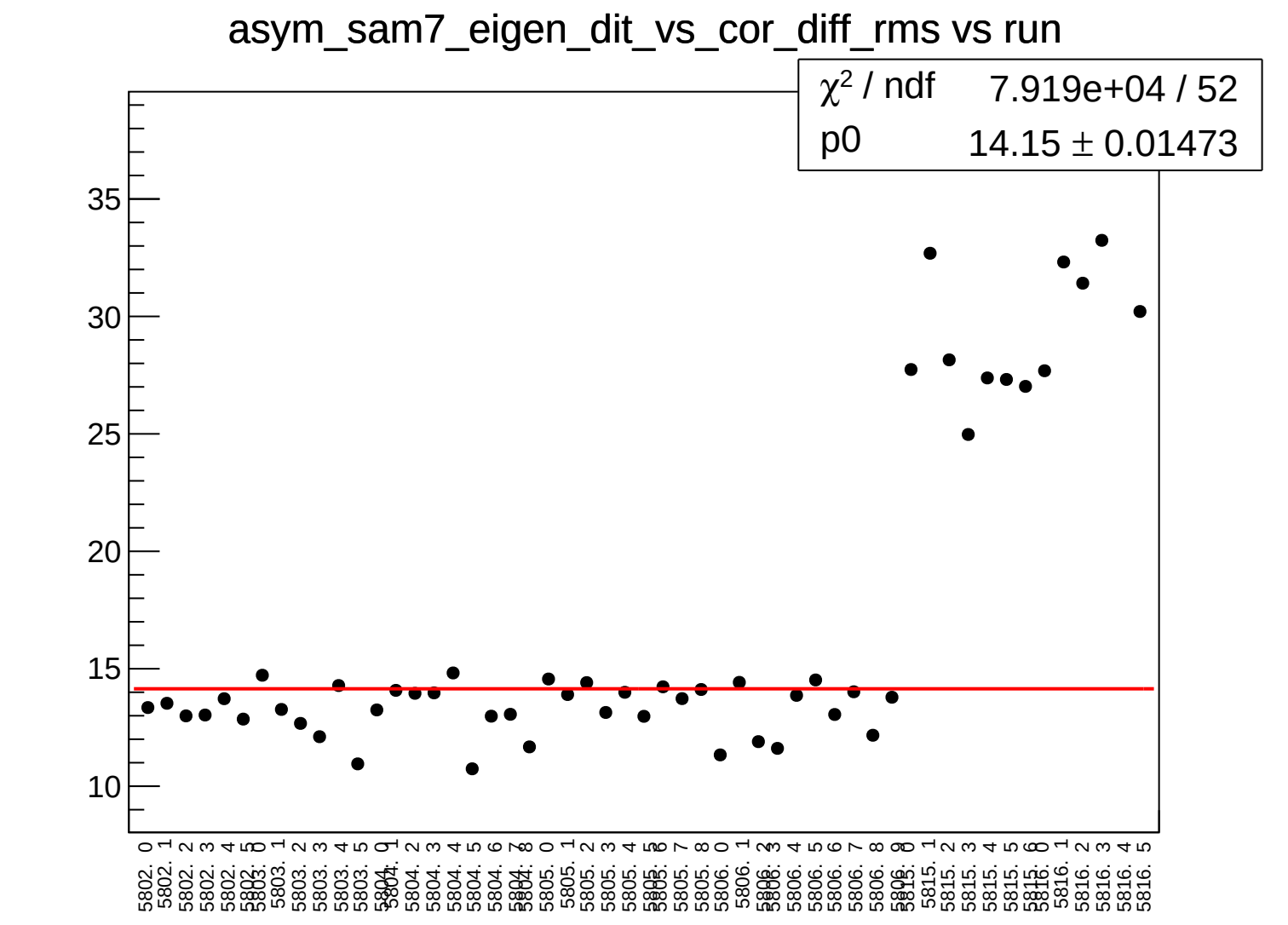

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.96 / 52
p0 −1.729e−06 ± 3.9e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean −84.06
Std Dev 0
2
1
0
−1
−2

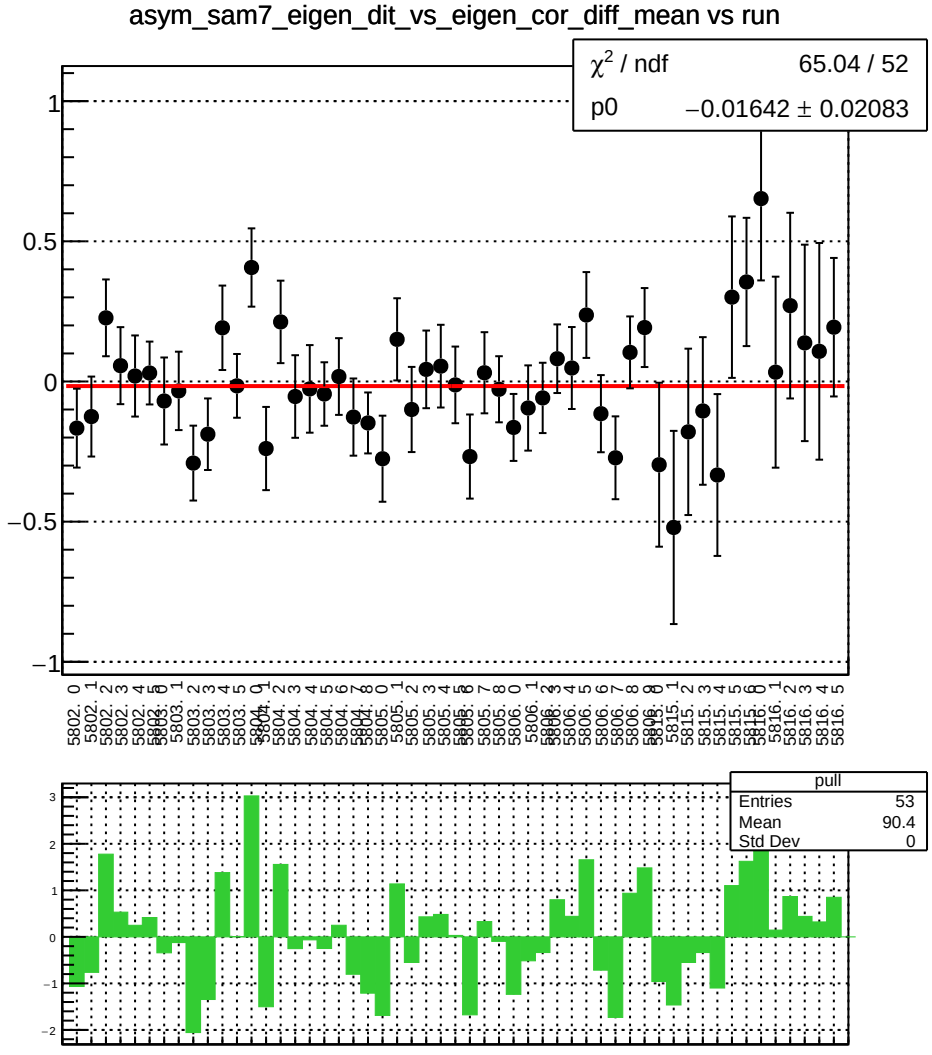

pull1D
Entries 53
Mean 0.0264
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

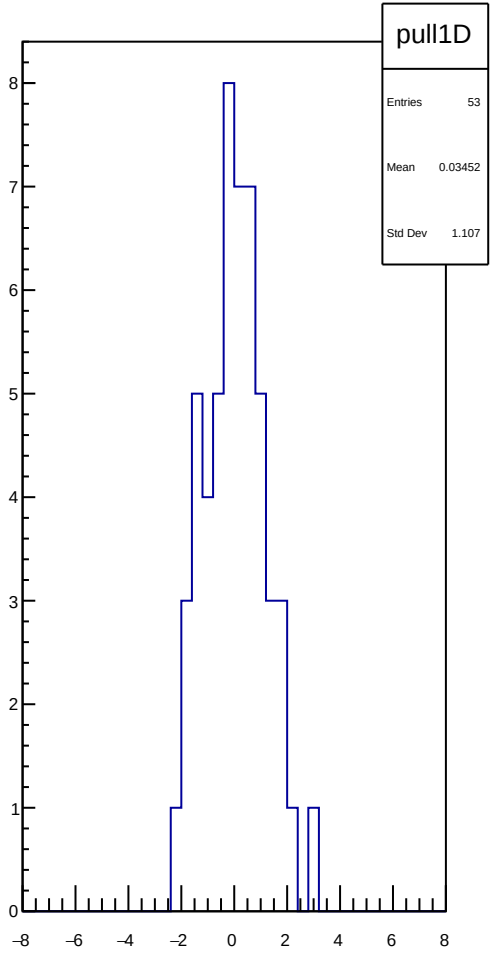

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3982 / 52
p0 0.002754 ± 2.758e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024

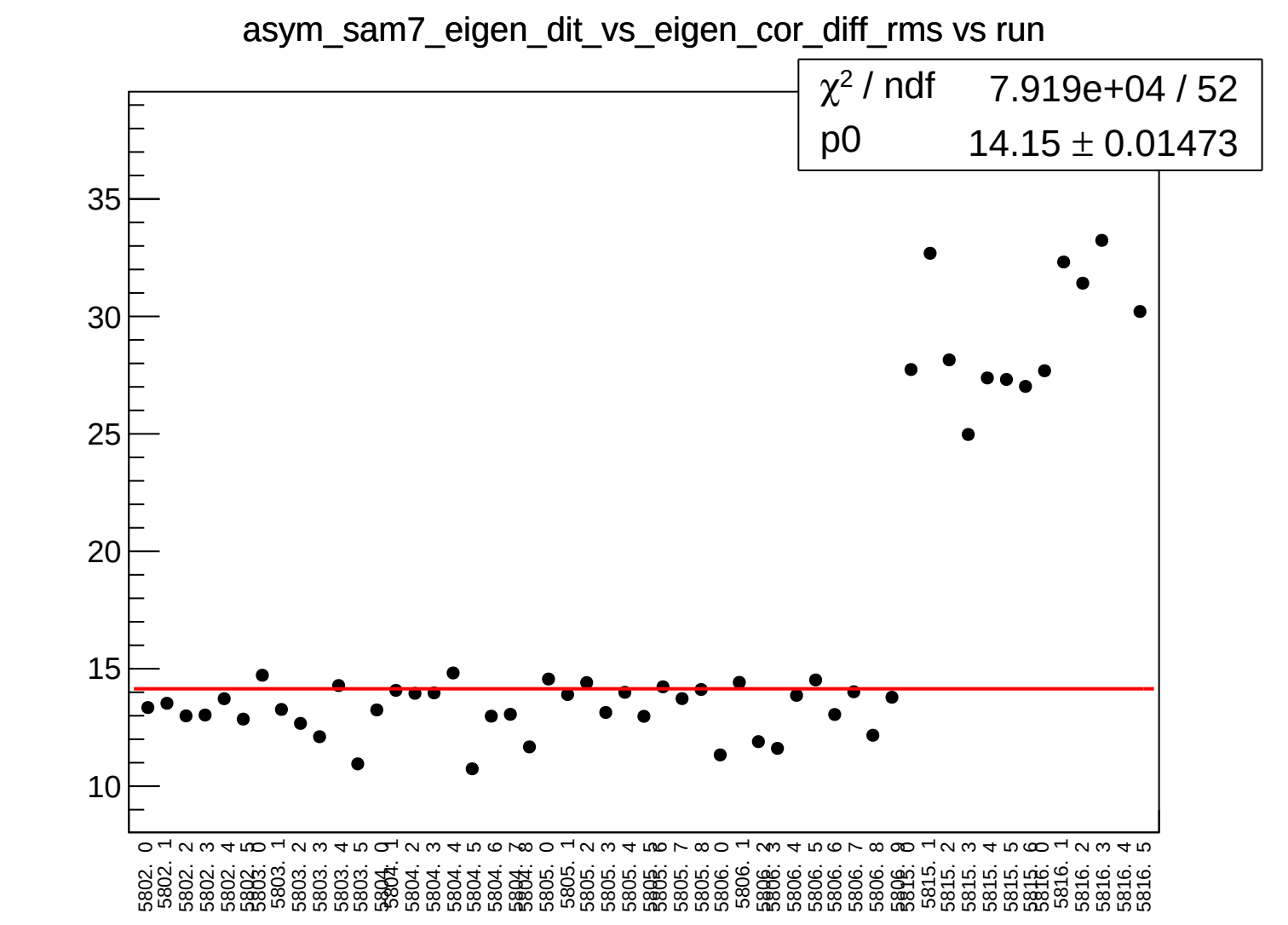

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.04 / 52
p0 −0.01642 ± 0.02083
pull
Entries 53
Mean 90.4
Std Dev 0

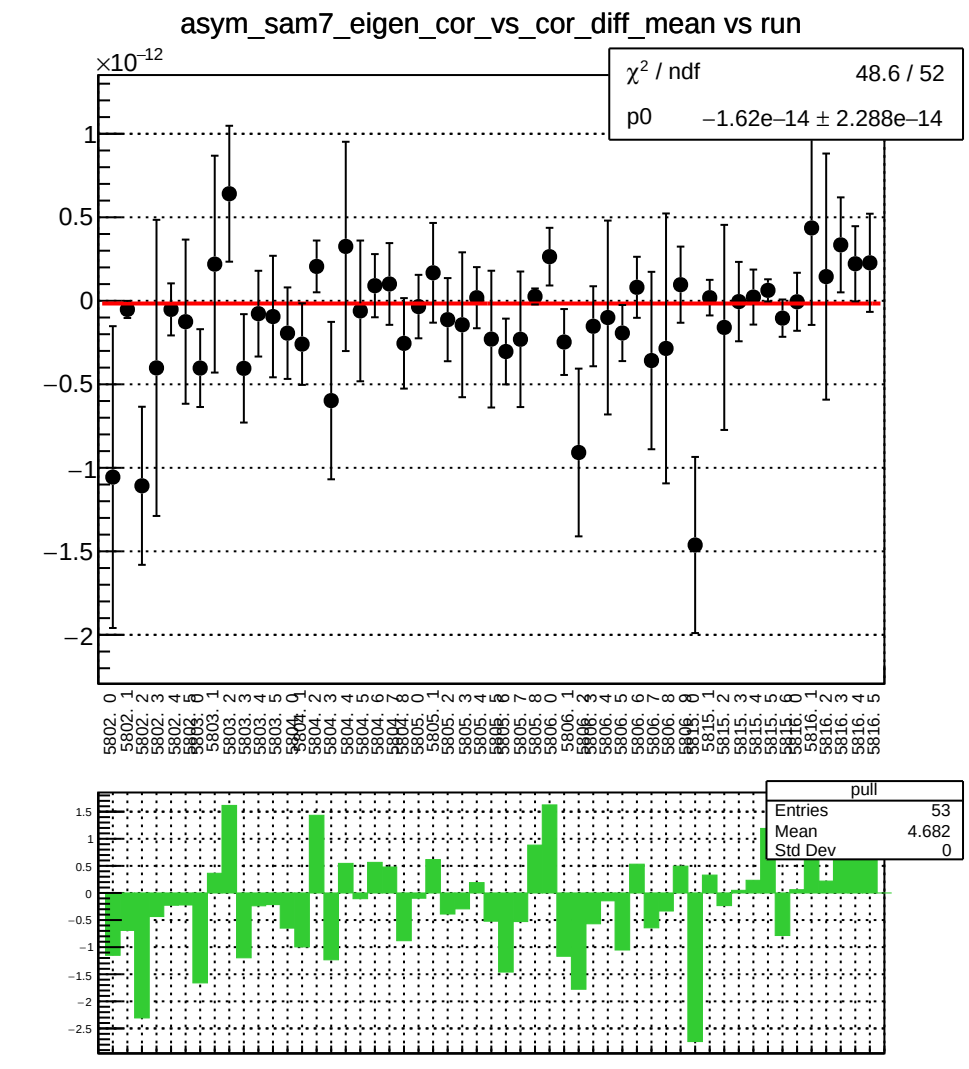

pull1D
Entries 53
Mean 0.03452
Std Dev 1.107

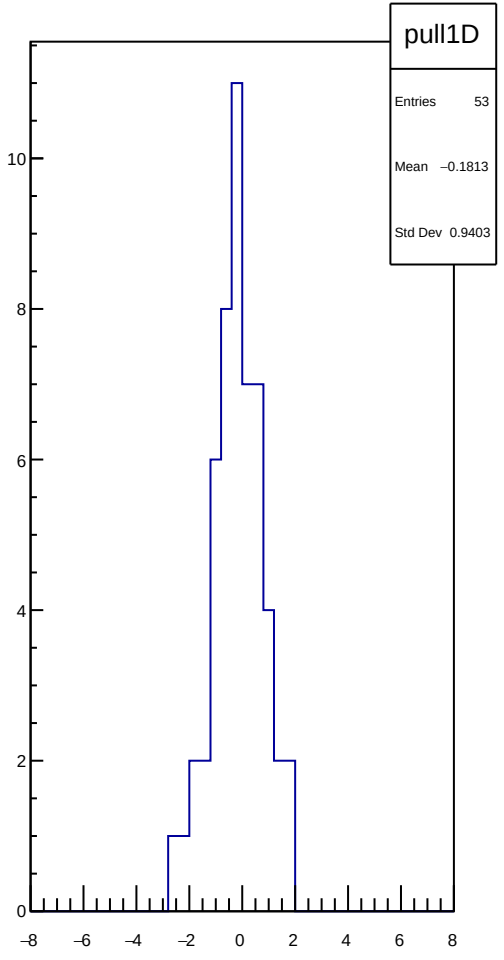

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.919e+04 / 52
p0 14.15 ± 0.01473
35
30
25
20
15
10

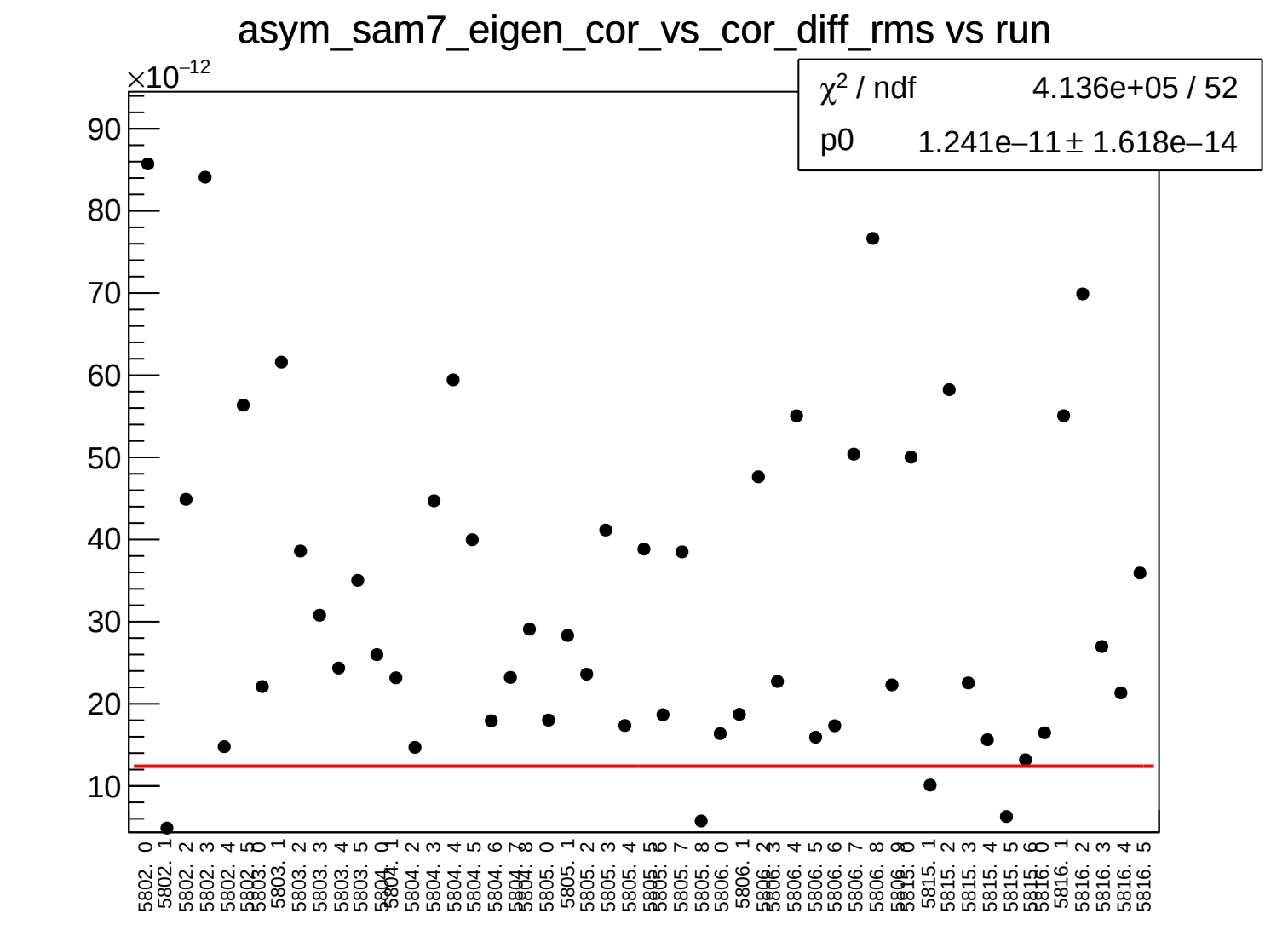

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.04 / 52
p0 −0.01642 ± 0.02083
pull
Entries 53
Mean 90.4
Std Dev 0

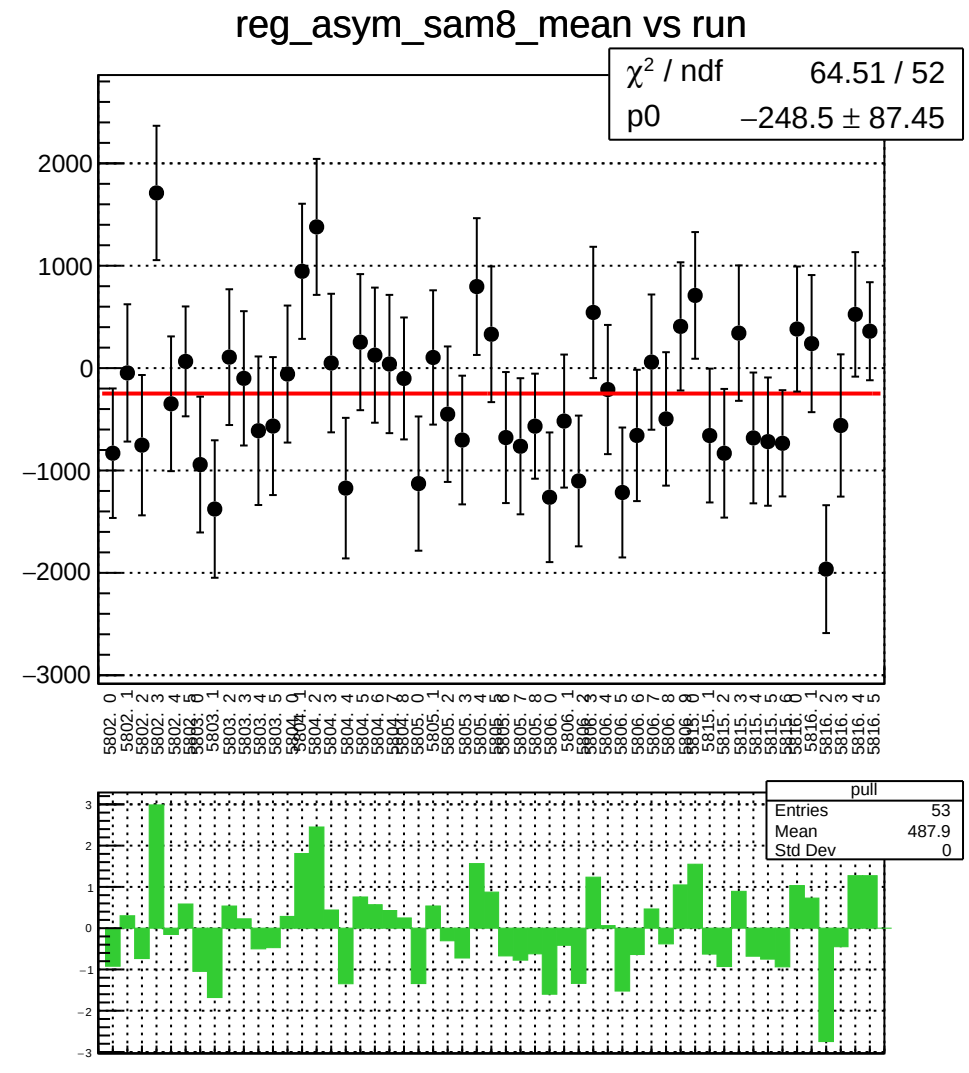

pull1D
Entries 53
Mean 0.03452
Std Dev 1.107

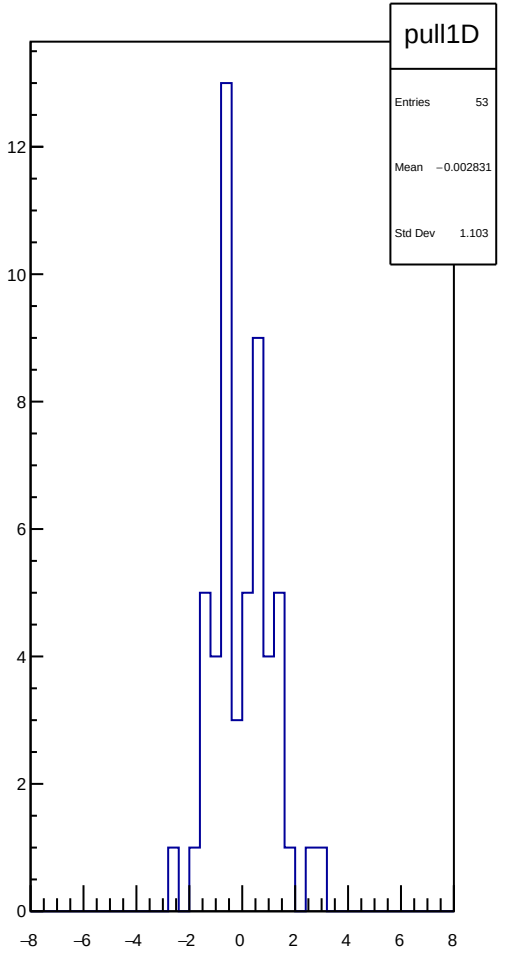

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.919e+04 / 52
p0 14.15 ± 0.01473
35
30
25
20
15
10

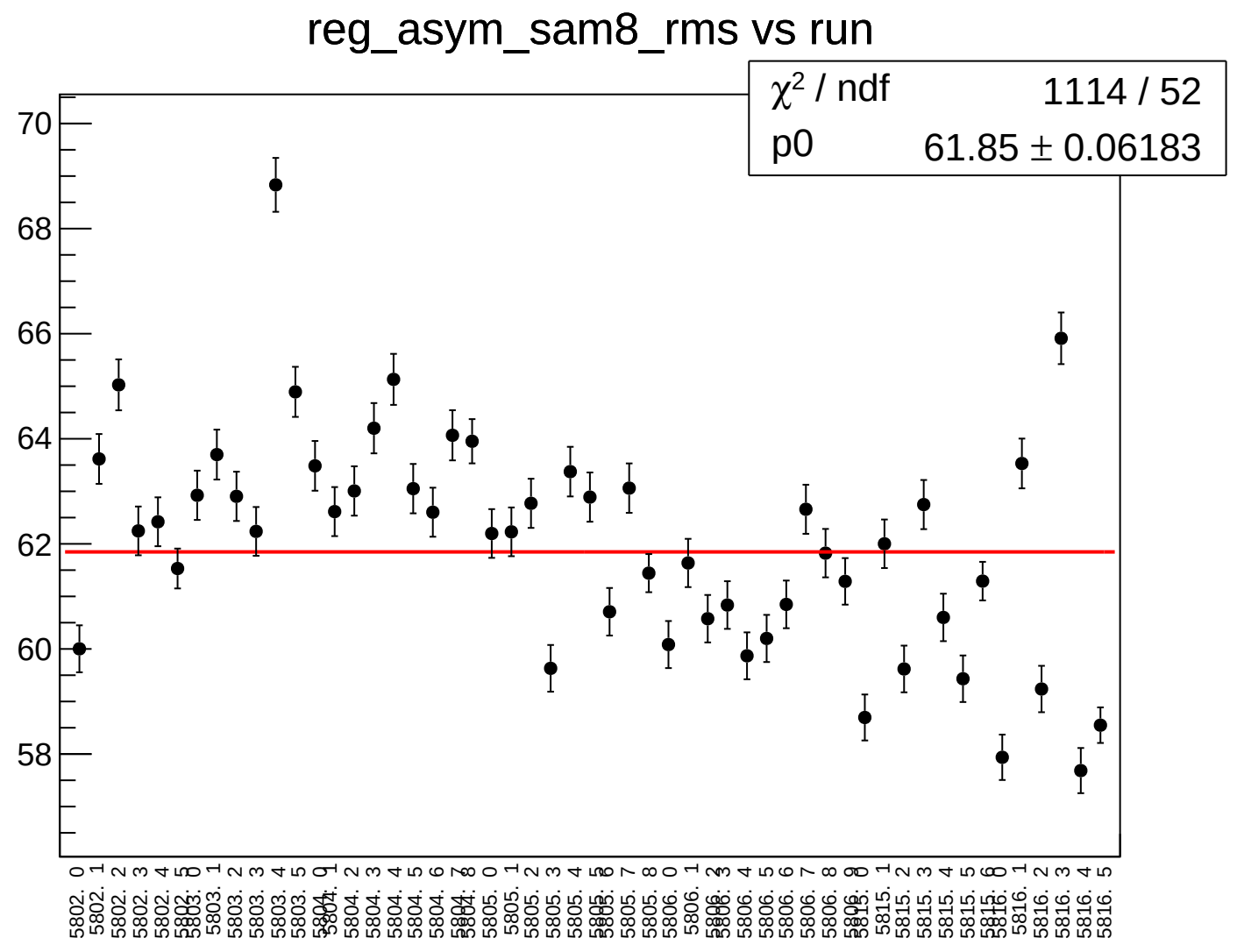

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.6 / 52
p0 −1.62e−14 ± 2.288e−14
pull
Entries 53
Mean 4.682
Std Dev 0

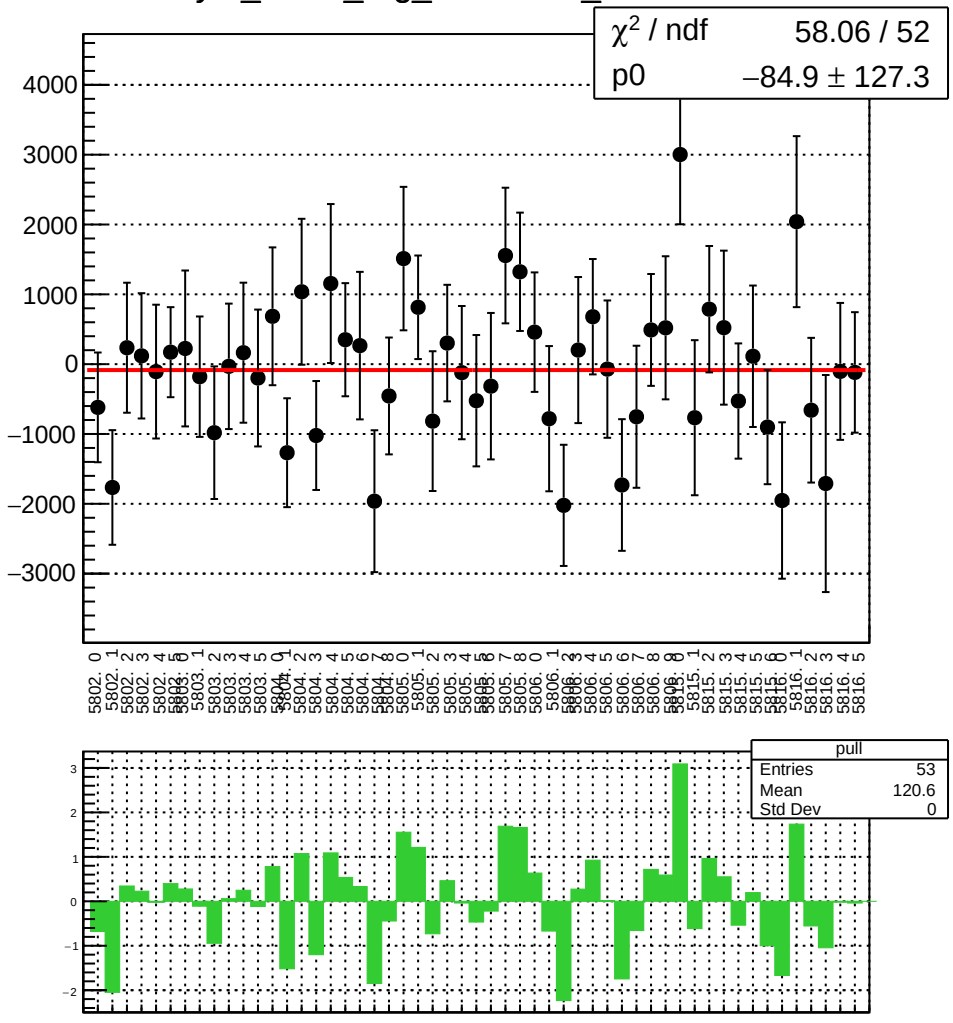

pull1D
Entries 53
Mean −0.1813
Std Dev 0.9403

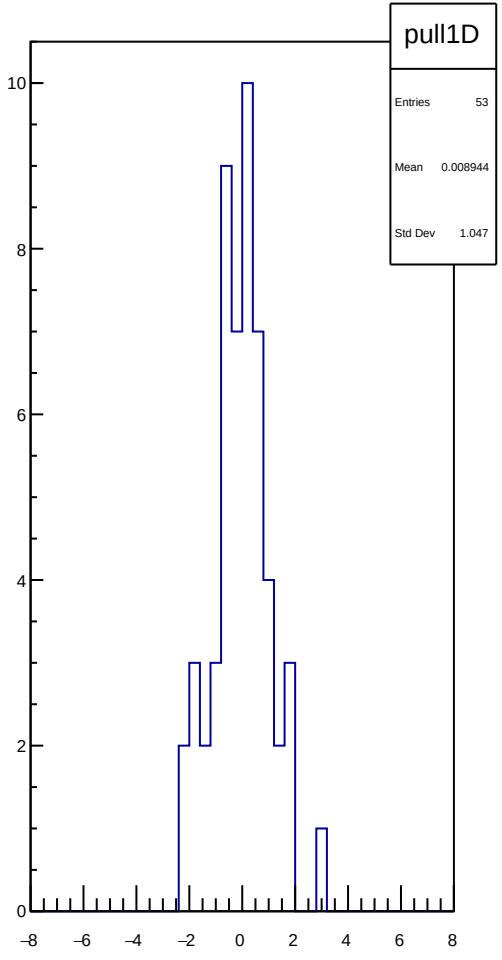

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.136e+05 / 52
p0 1.241e−11 ± 1.618e−14
90
80
70
60
50
40
30
20
10

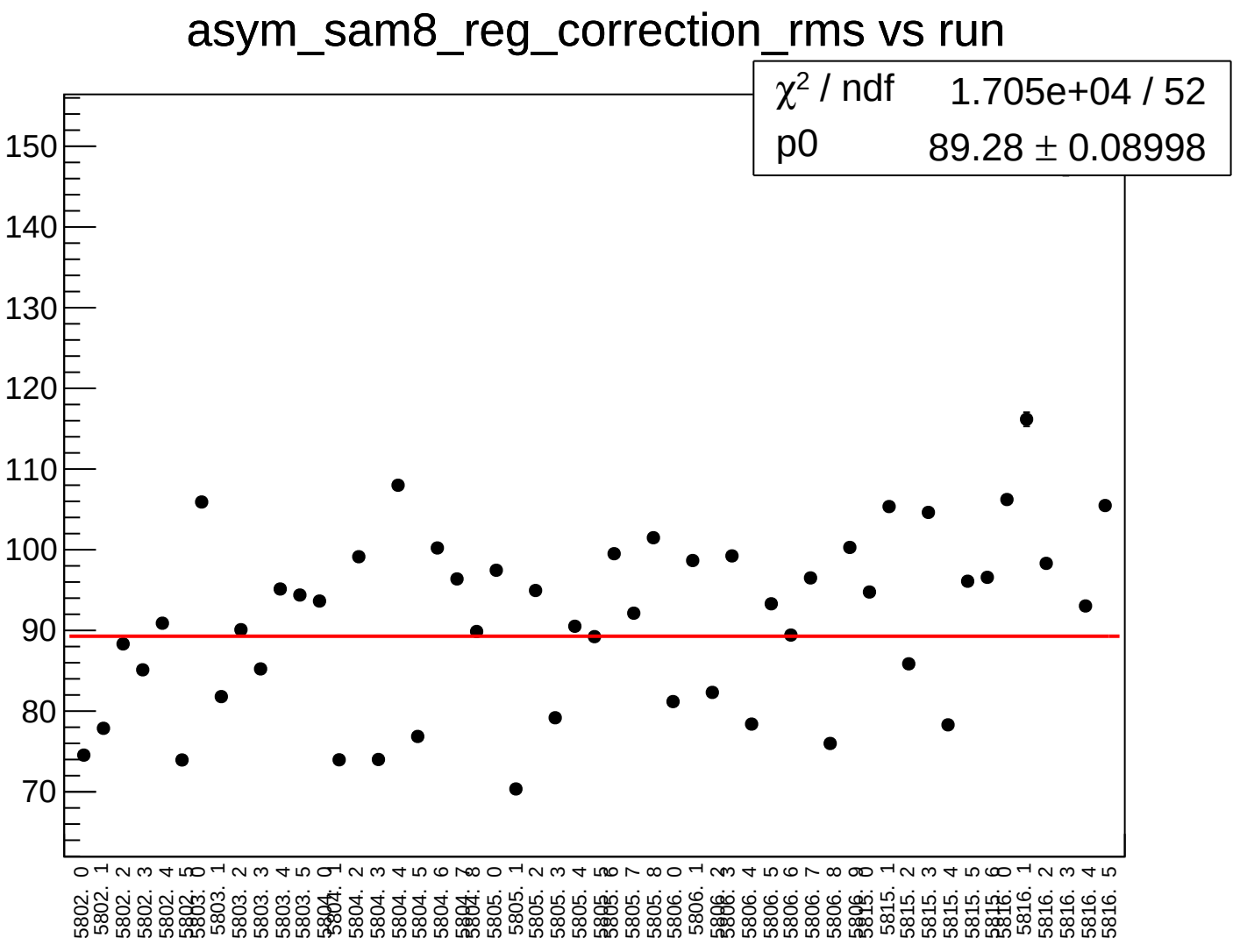

reg_asym_sam8_mean vs run
χ² / ndf 64.51 / 52
p0 −248.5 ± 87.45
pull
Entries 53
Mean 487.9
Std Dev 0

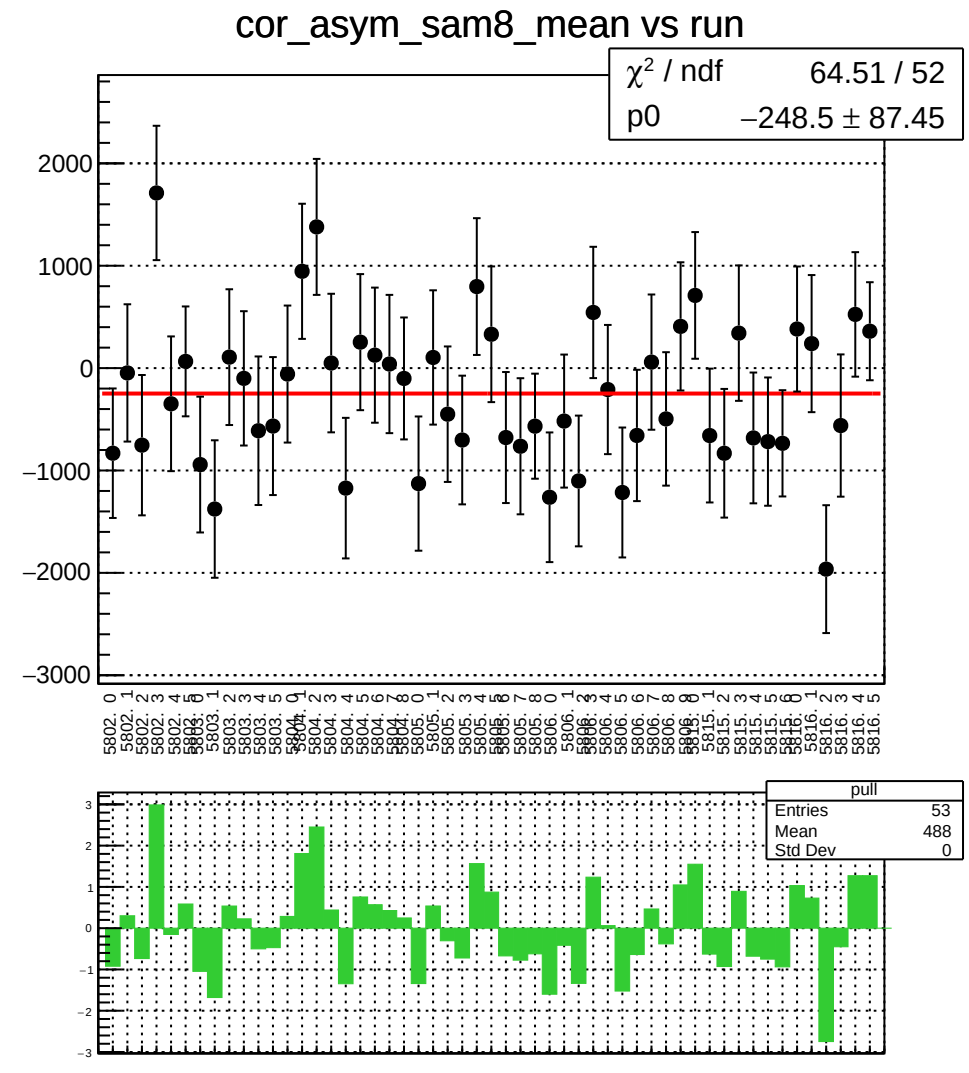

pull1D
Entries 53
Mean −0.002831
Std Dev 1.103

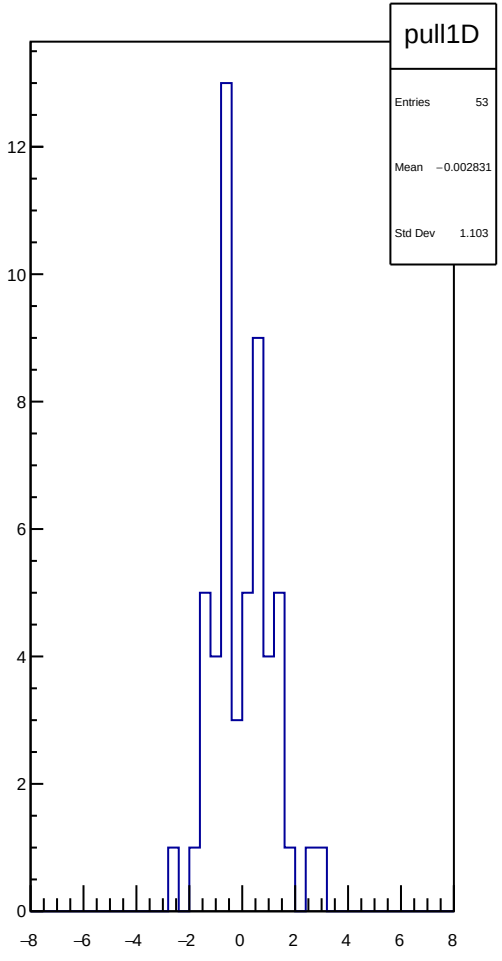

reg_asym_sam8_rms vs run
χ² / ndf 1114 / 52
p0 61.85 ± 0.06183
70
68
66
64
62
60
58

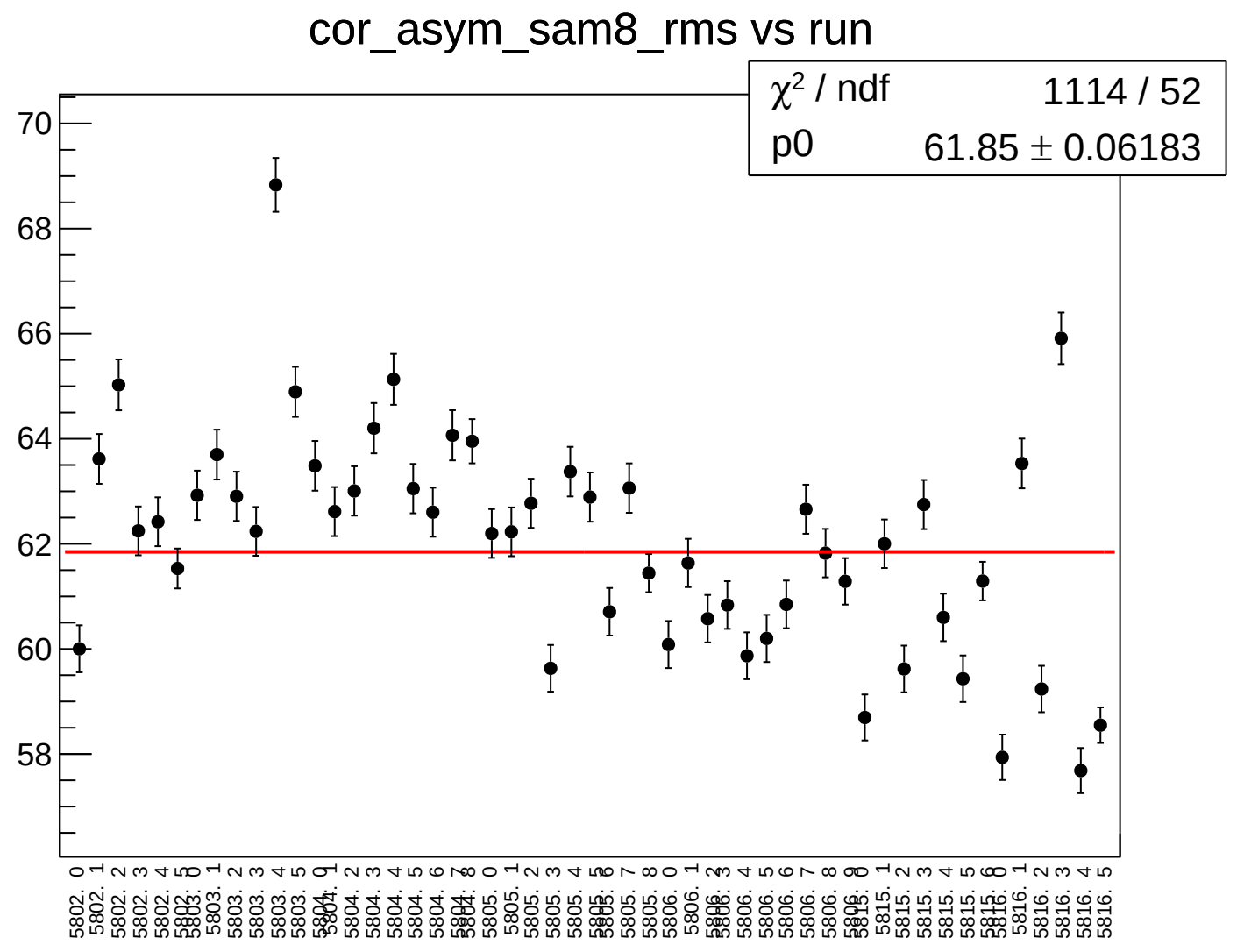

asym_sam8_reg_correction_mean vs run
χ² / ndf 58.06 / 52
p0 −84.9 ± 127.3
pull
Entries 53
Mean 120.6
Std Dev 0

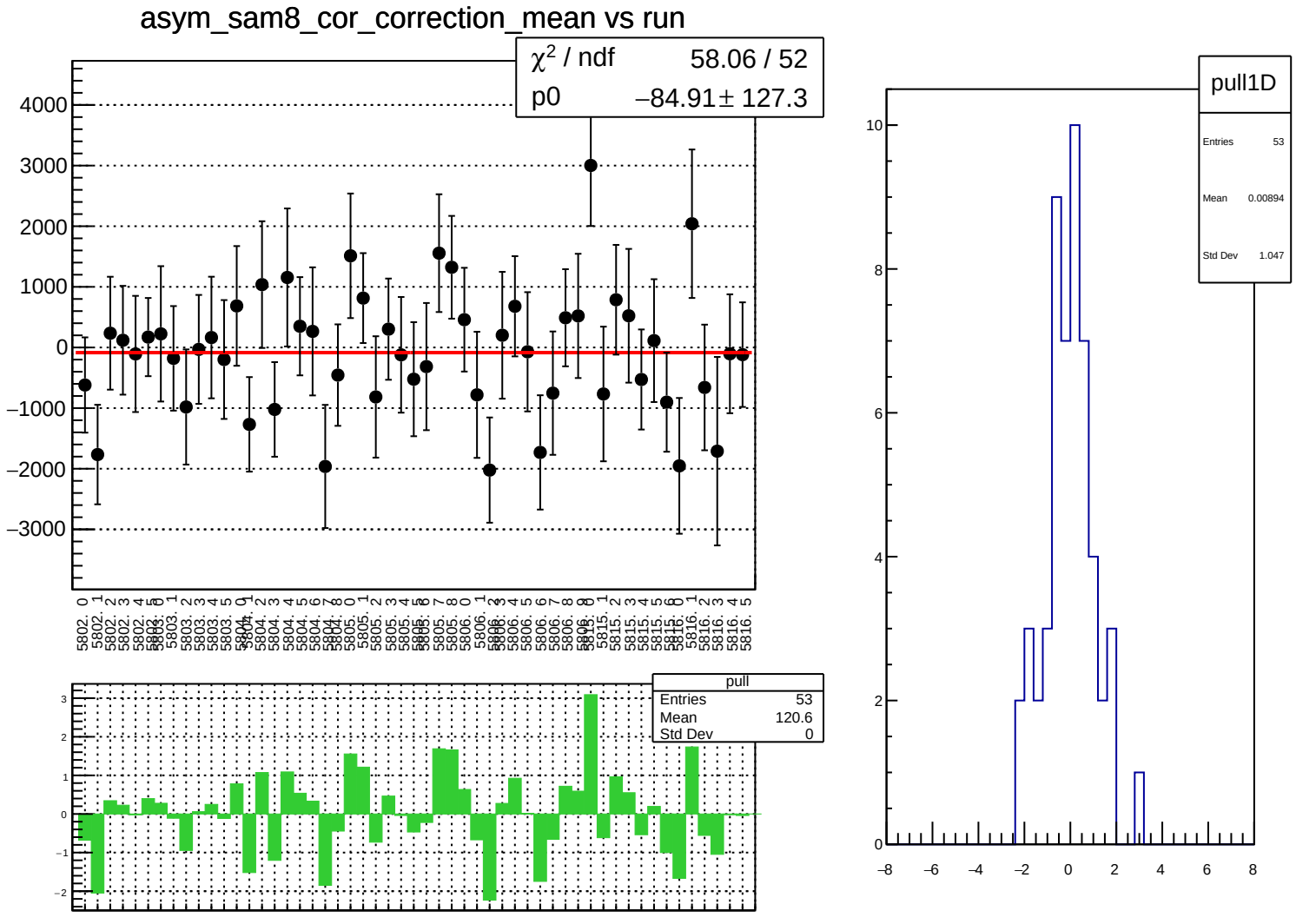

pull1D
Entries 53
Mean 0.008944
Std Dev 1.047

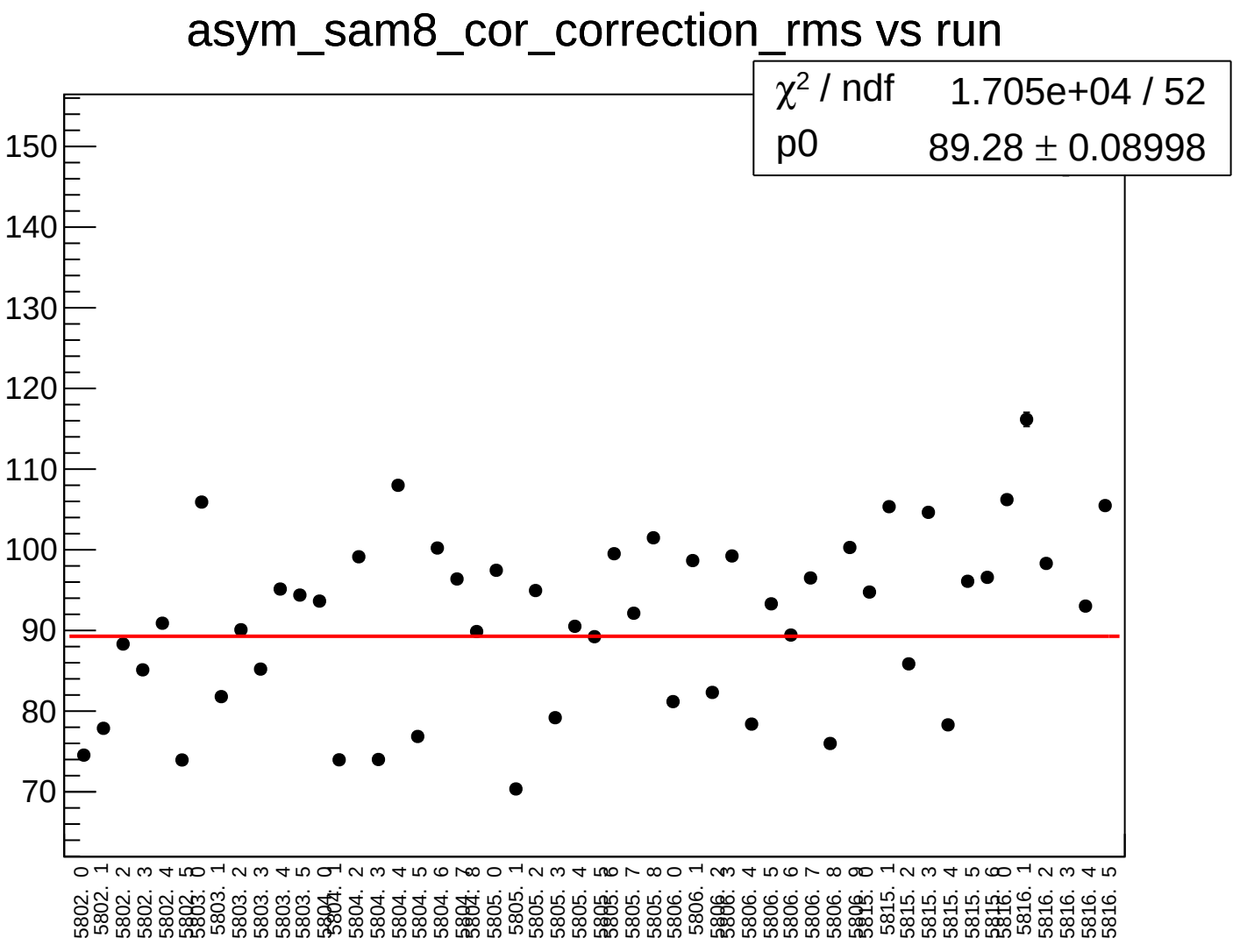

asym_sam8_reg_correction_rms vs run
χ² / ndf 1.705e+04 / 52
p0 89.28 ± 0.08998
150
140
130
120
110
100
90
80
70

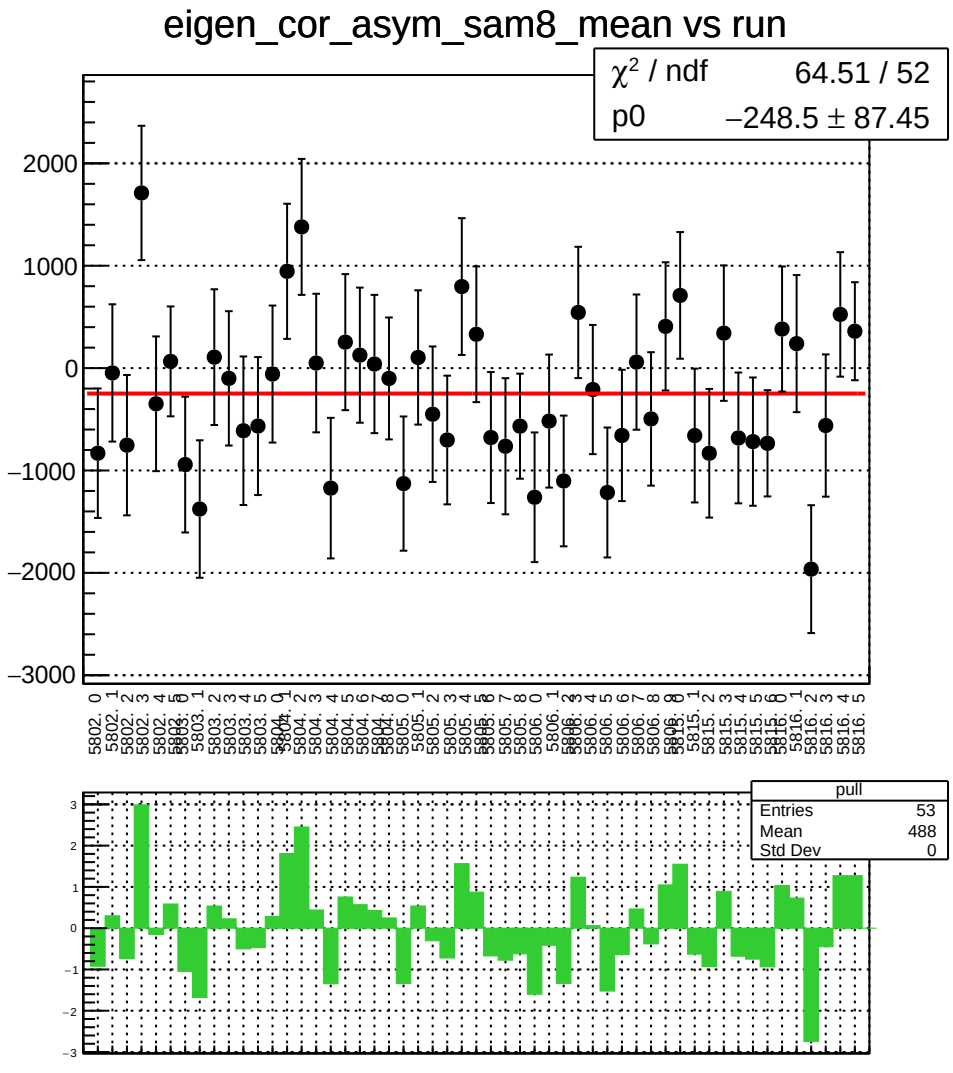

cor_asym_sam8_mean vs run
χ² / ndf 64.51 / 52
p0 −248.5 ± 87.45
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 488
Std Dev 0
3
2
1
0
−1
−2
−3

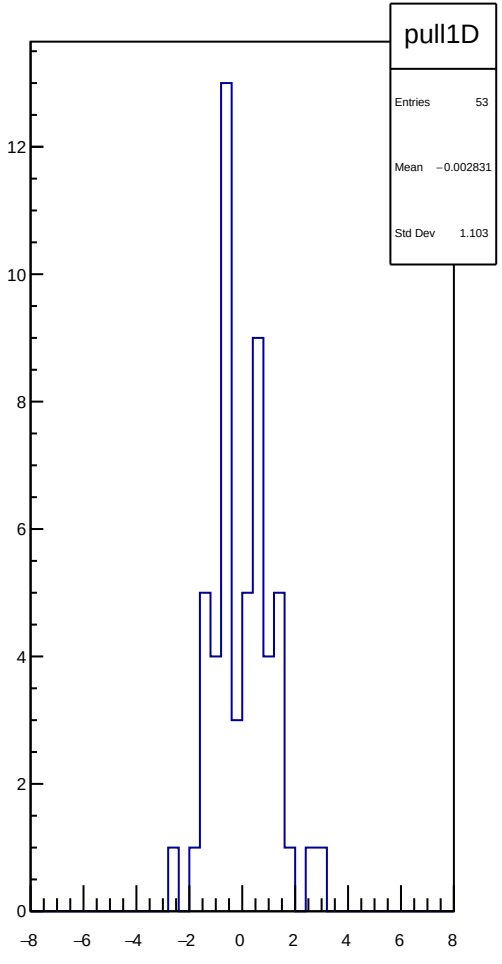

pull1D
Entries 53
Mean −0.002831
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

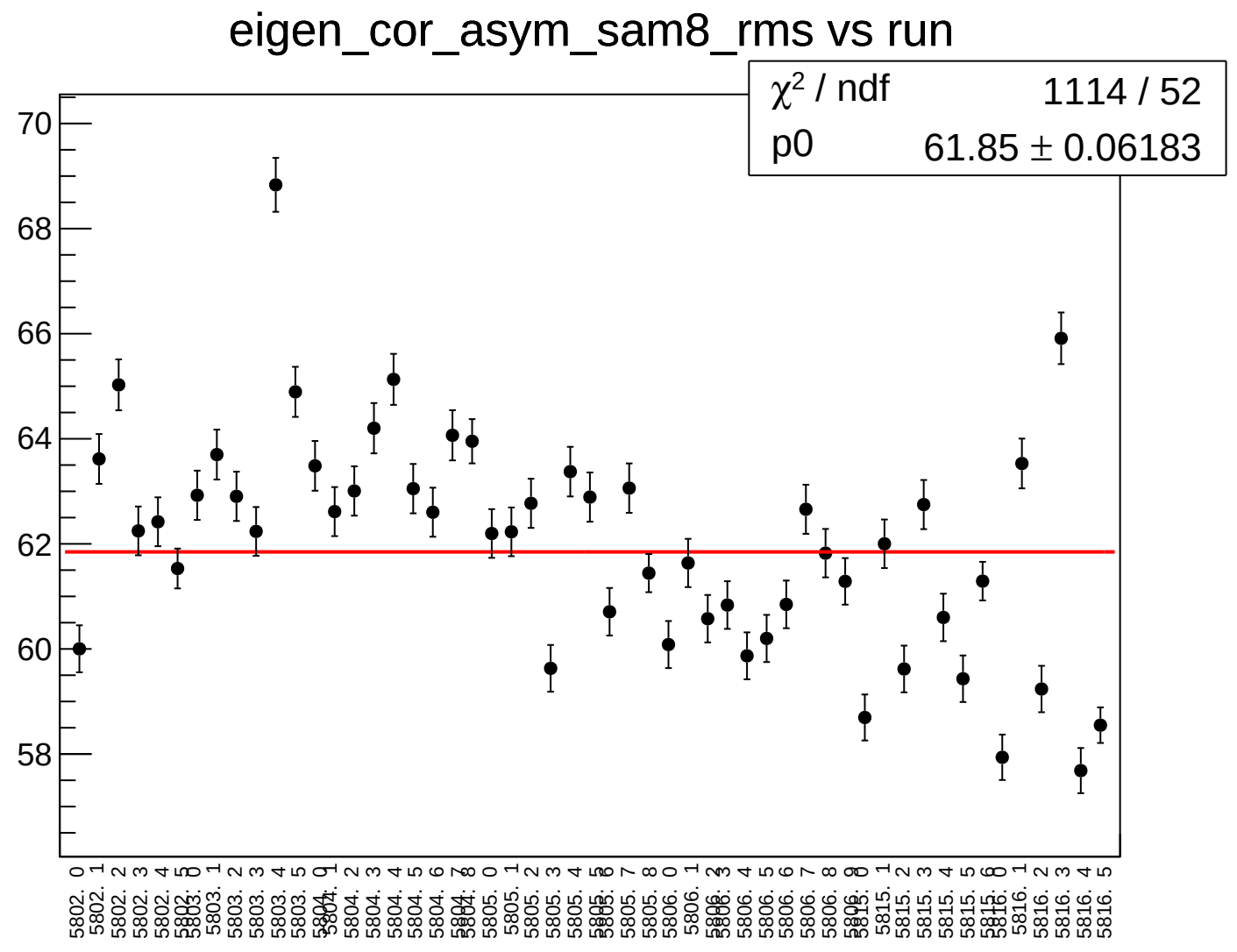

cor_asym_sam8_rms vs run
χ² / ndf 1114 / 52
p0 61.85 ± 0.06183
70
68
66
64
62
60
58
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

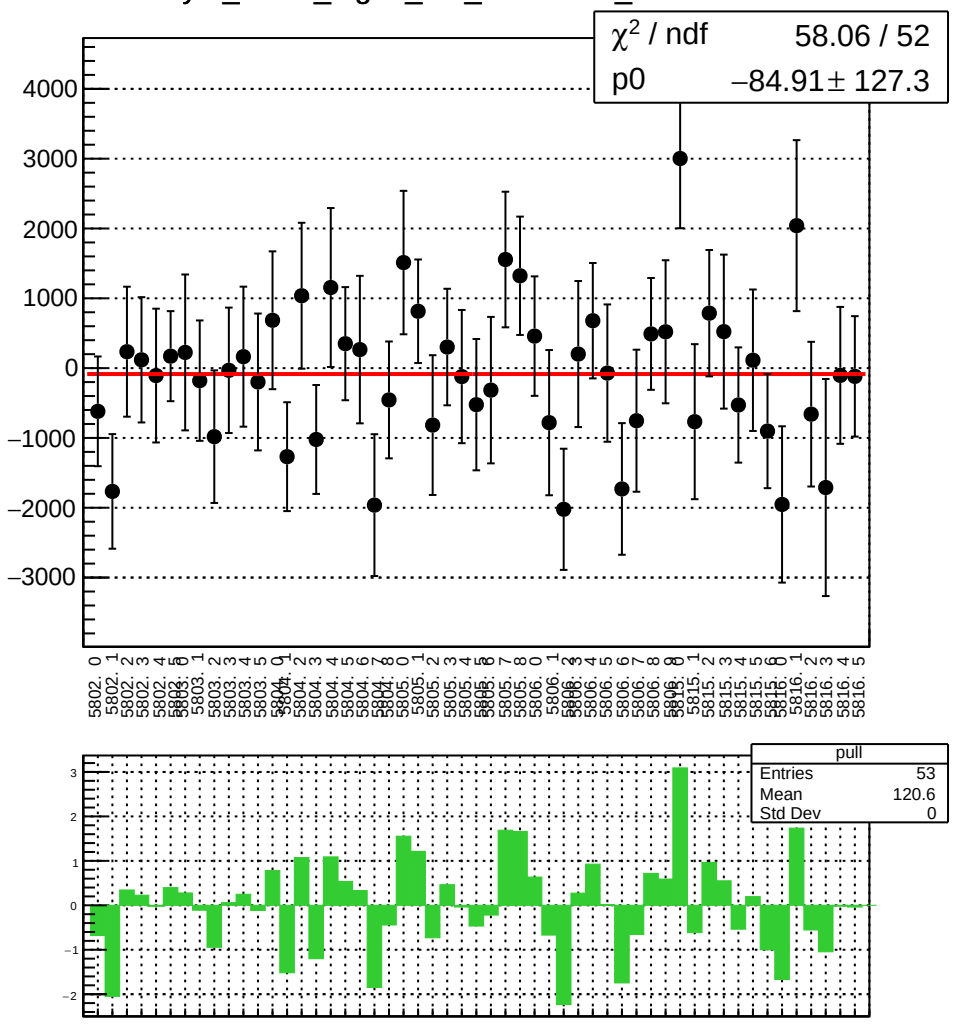

asym_sam8_cor_correction_mean vs run
χ² / ndf 58.06 / 52
p0 −84.91± 127.3
pull
Entries 53
Mean 120.6
Std Dev 0
pull1D
Entries 53
Mean 0.00894
Std Dev 1.047

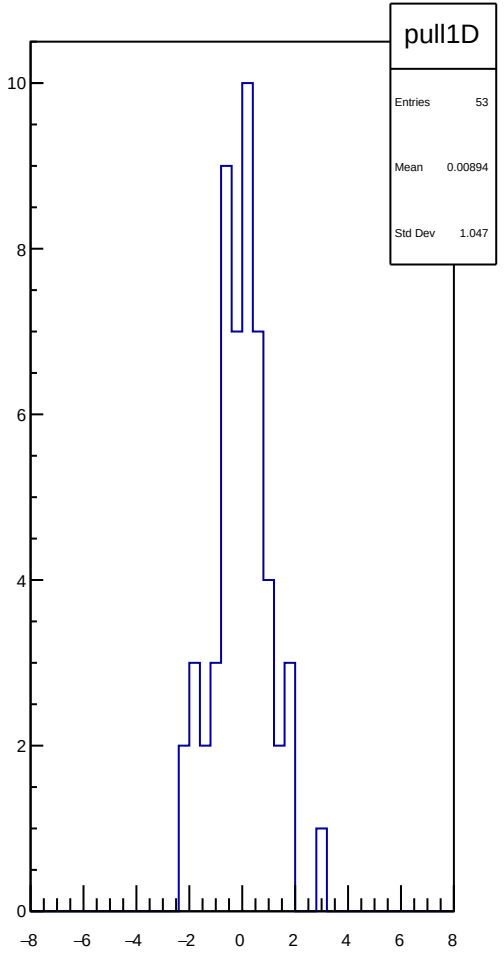

asym_sam8_cor_correction_rms vs run
χ² / ndf 1.705e+04 / 52
p0 89.28 ± 0.08998
150
140
130
120
110
100
90
80
70

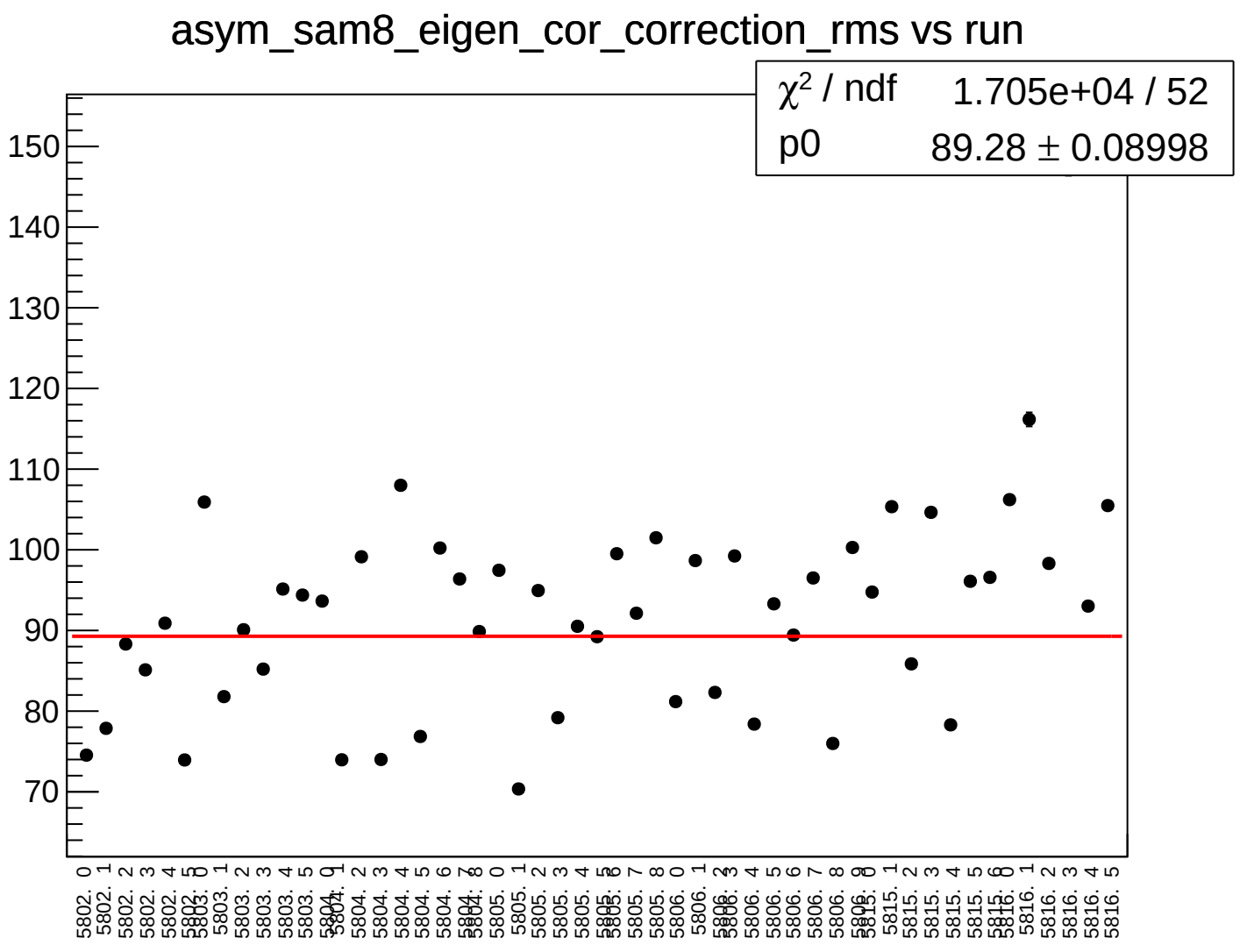

eigen_cor_asym_sam8_mean vs run
χ² / ndf 64.51 / 52
p0 −248.5 ± 87.45
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 488
Std Dev 0
3
2
1
0
−1
−2
−3

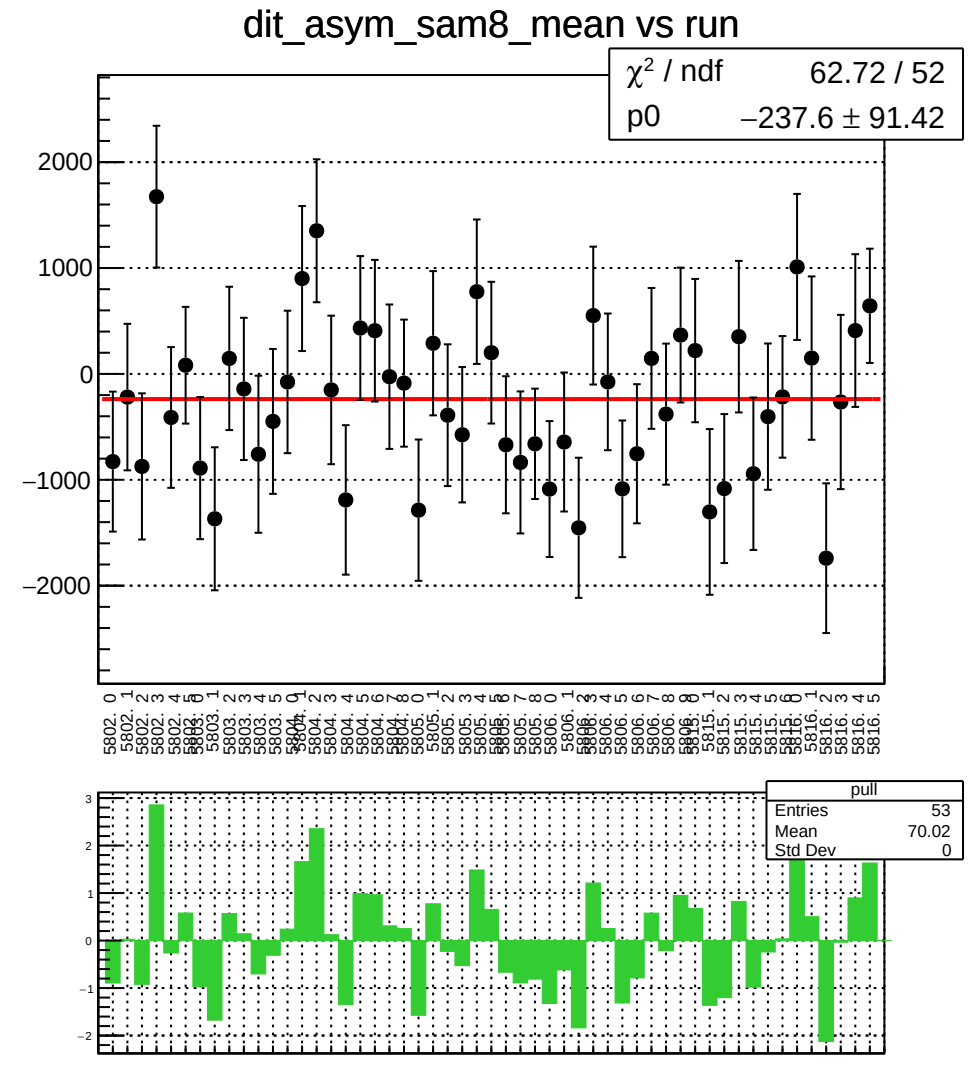

pull1D
Entries 53
Mean −0.002831
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

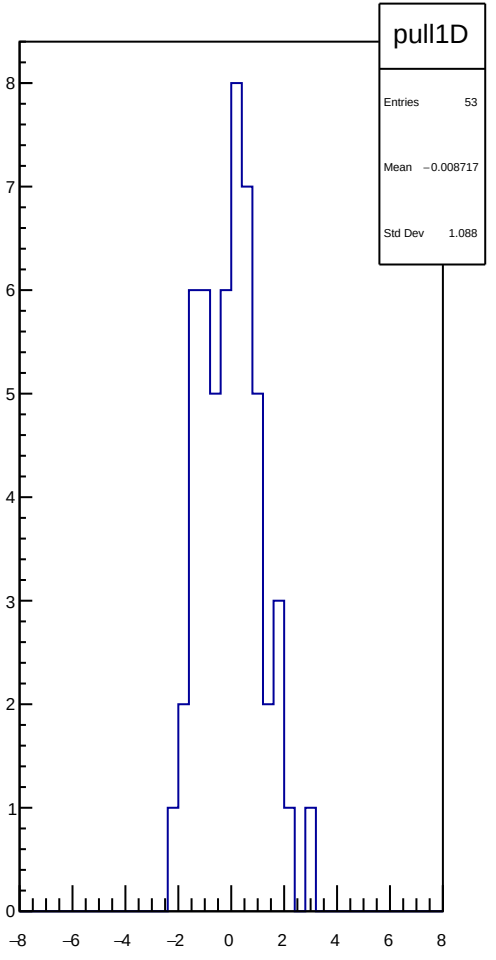

eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 1114 / 52
p0 61.85 ± 0.06183
70
68
66
64
62
60
58

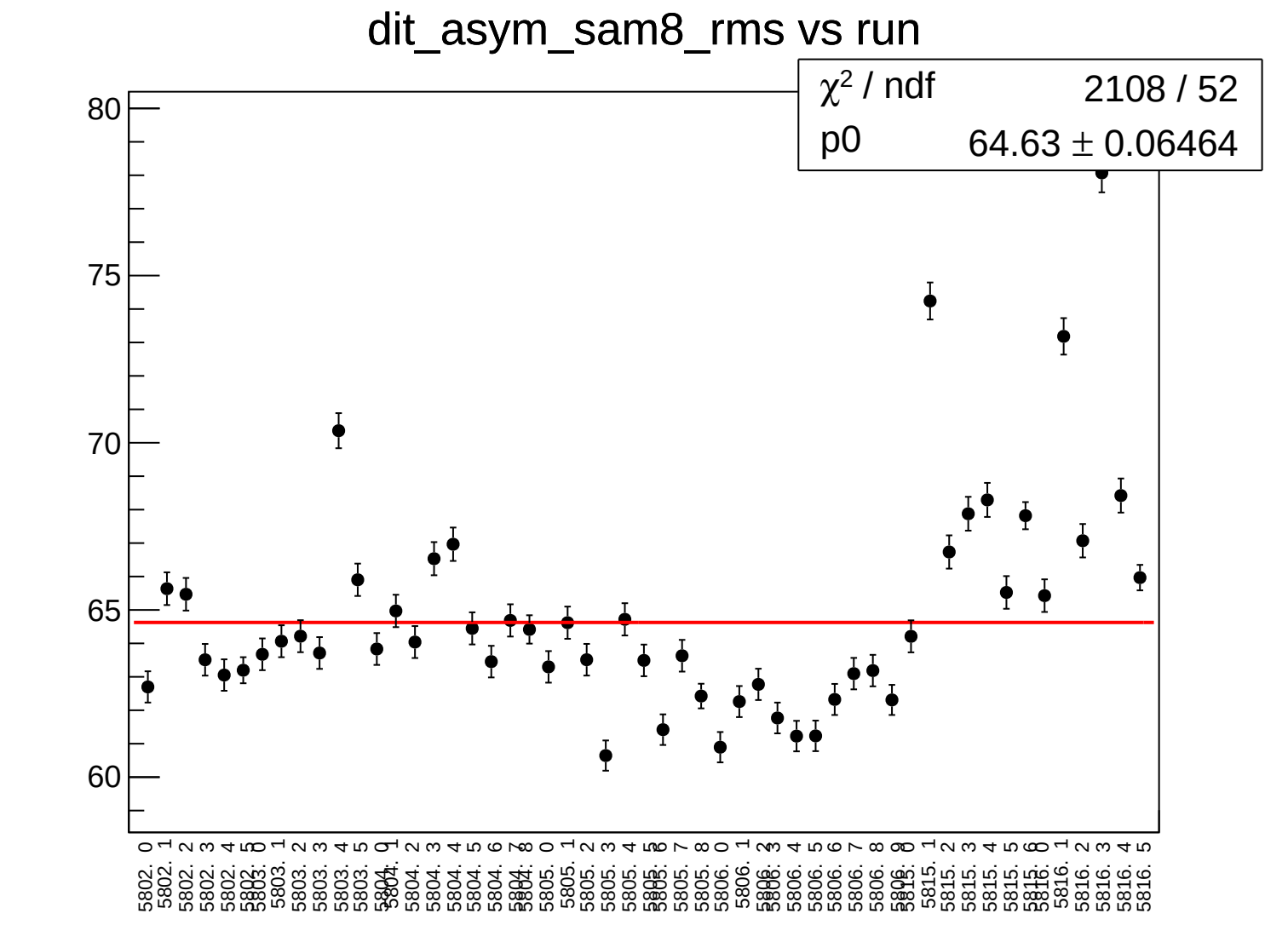

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 58.06 / 52
p0 −84.91± 127.3
pull
Entries 53
Mean 120.6
Std Dev 0

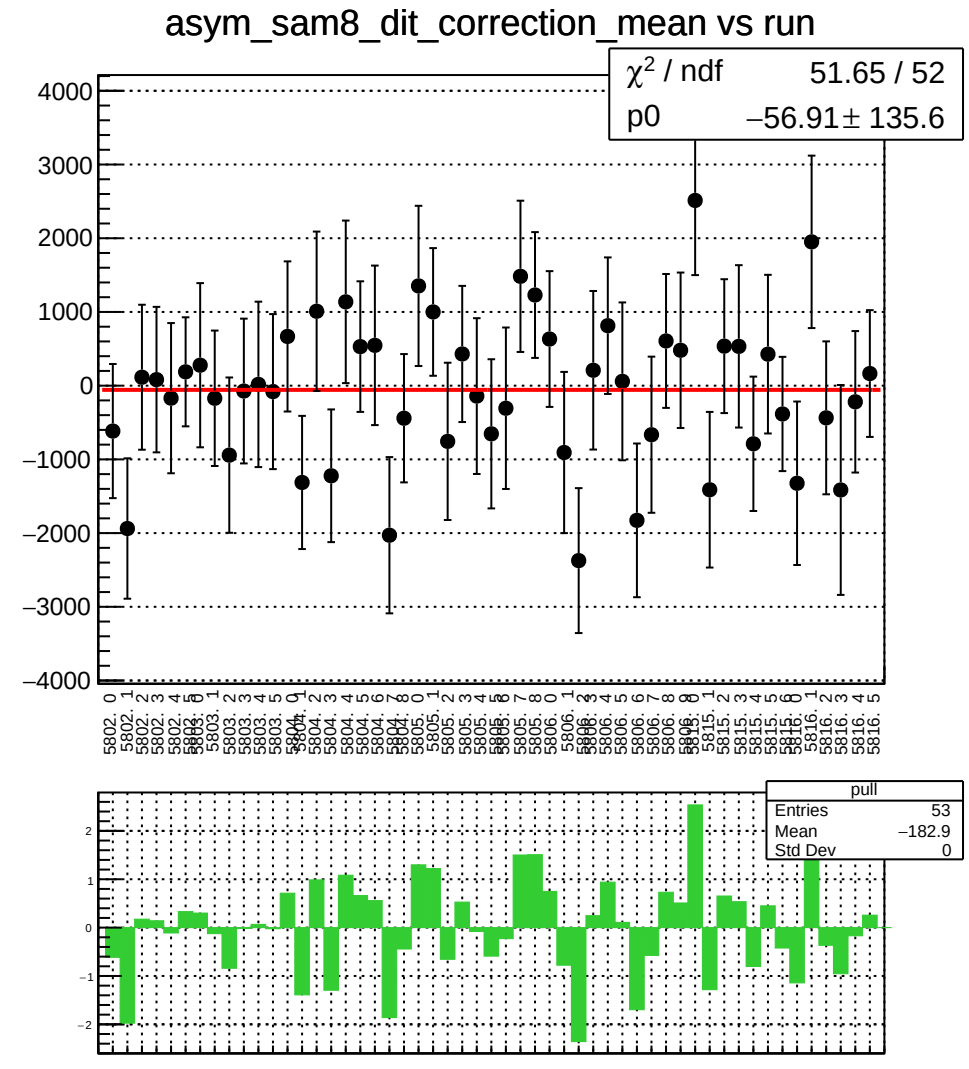

pull1D
Entries 53
Mean 0.00894
Std Dev 1.047

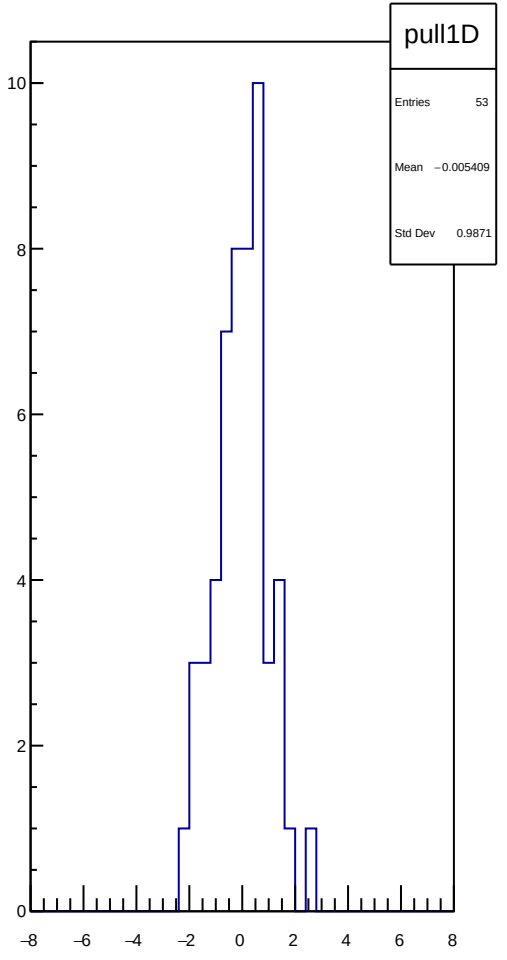

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.705e+04 / 52
p0 89.28 ± 0.08998
150
140
130
120
110
100
90
80
70

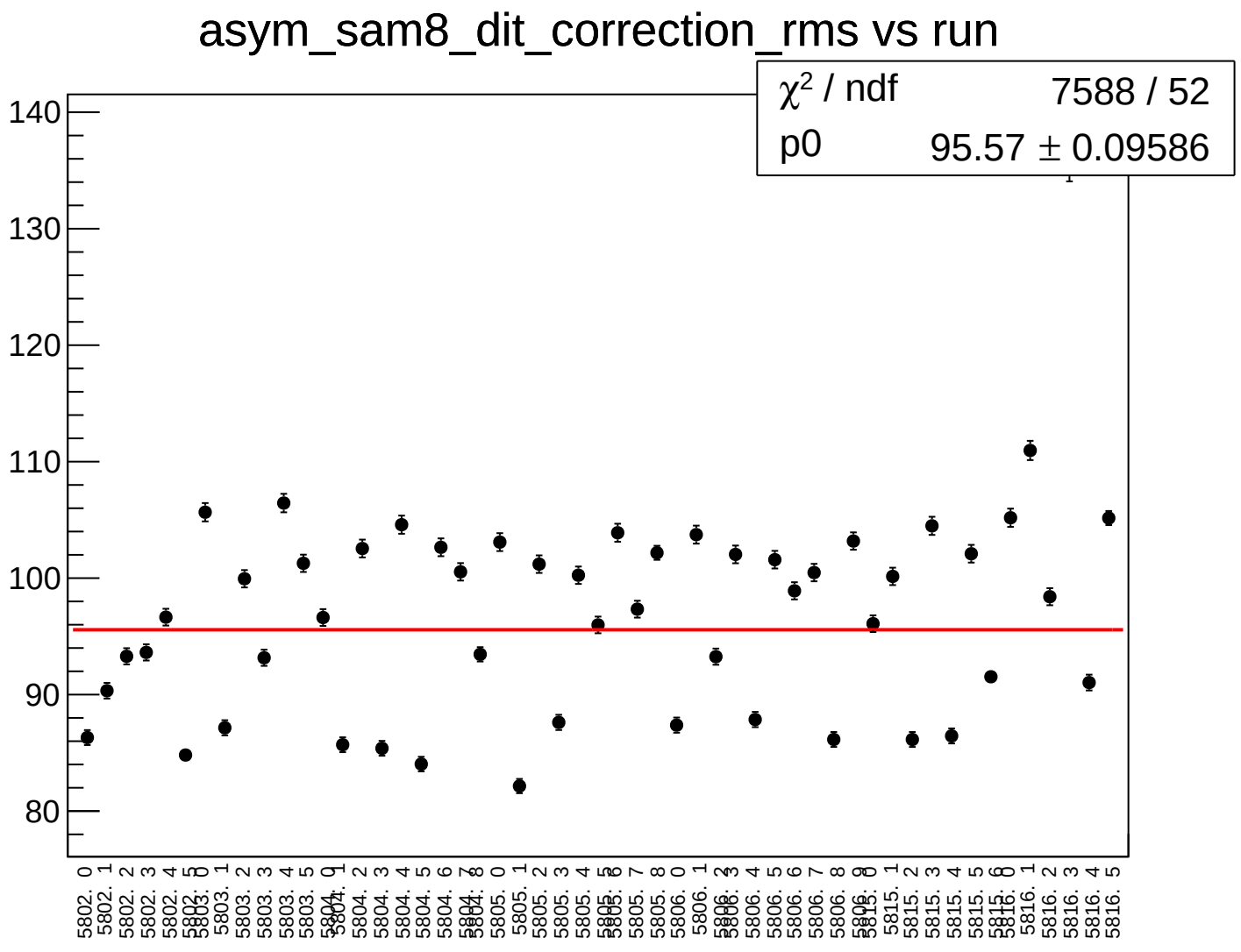

dit_asym_sam8_mean vs run
χ² / ndf 62.72 / 52
p0 −237.6 ± 91.42
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 70.02
Std Dev 0
3
2
1
0
−1
−2

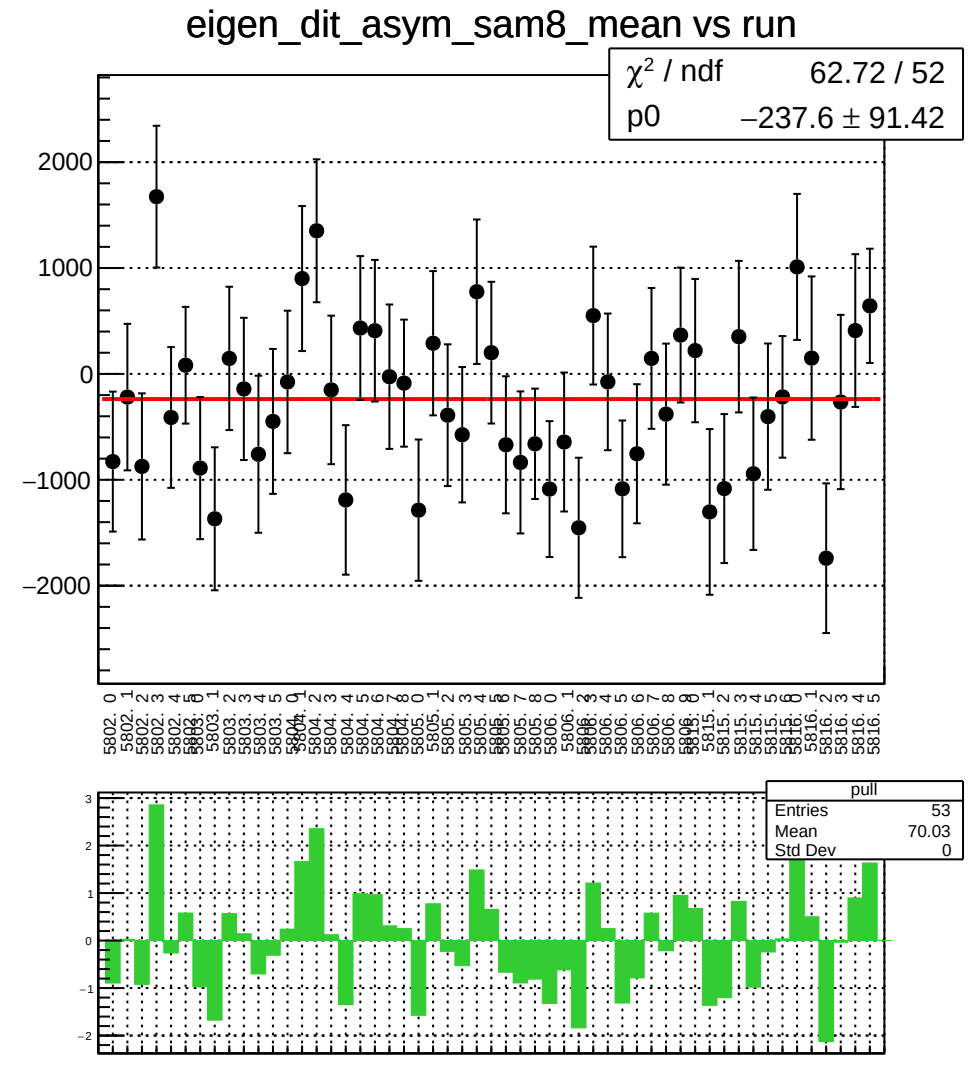

pull1D
Entries 53
Mean −0.008717
Std Dev 1.088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

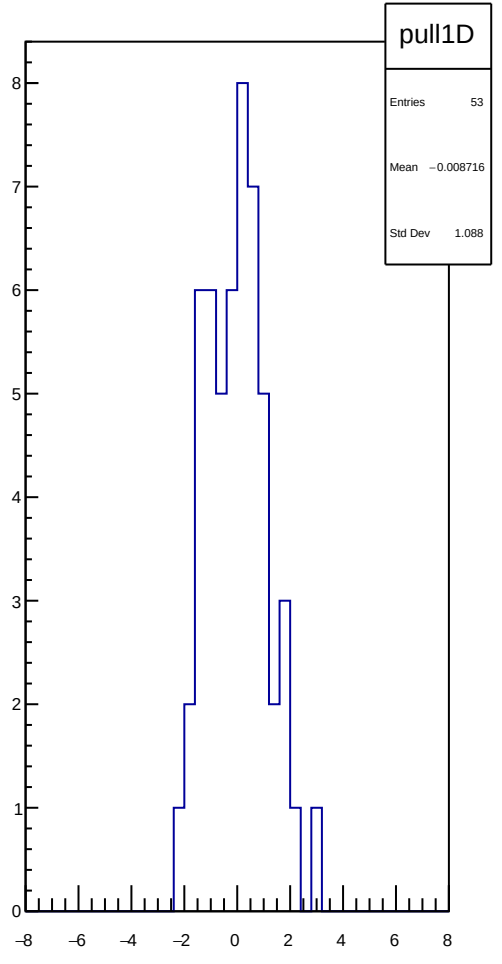

dit_asym_sam8_rms vs run
χ² / ndf 2108 / 52
p0 64.63 ± 0.06464
80
75
70
65
60

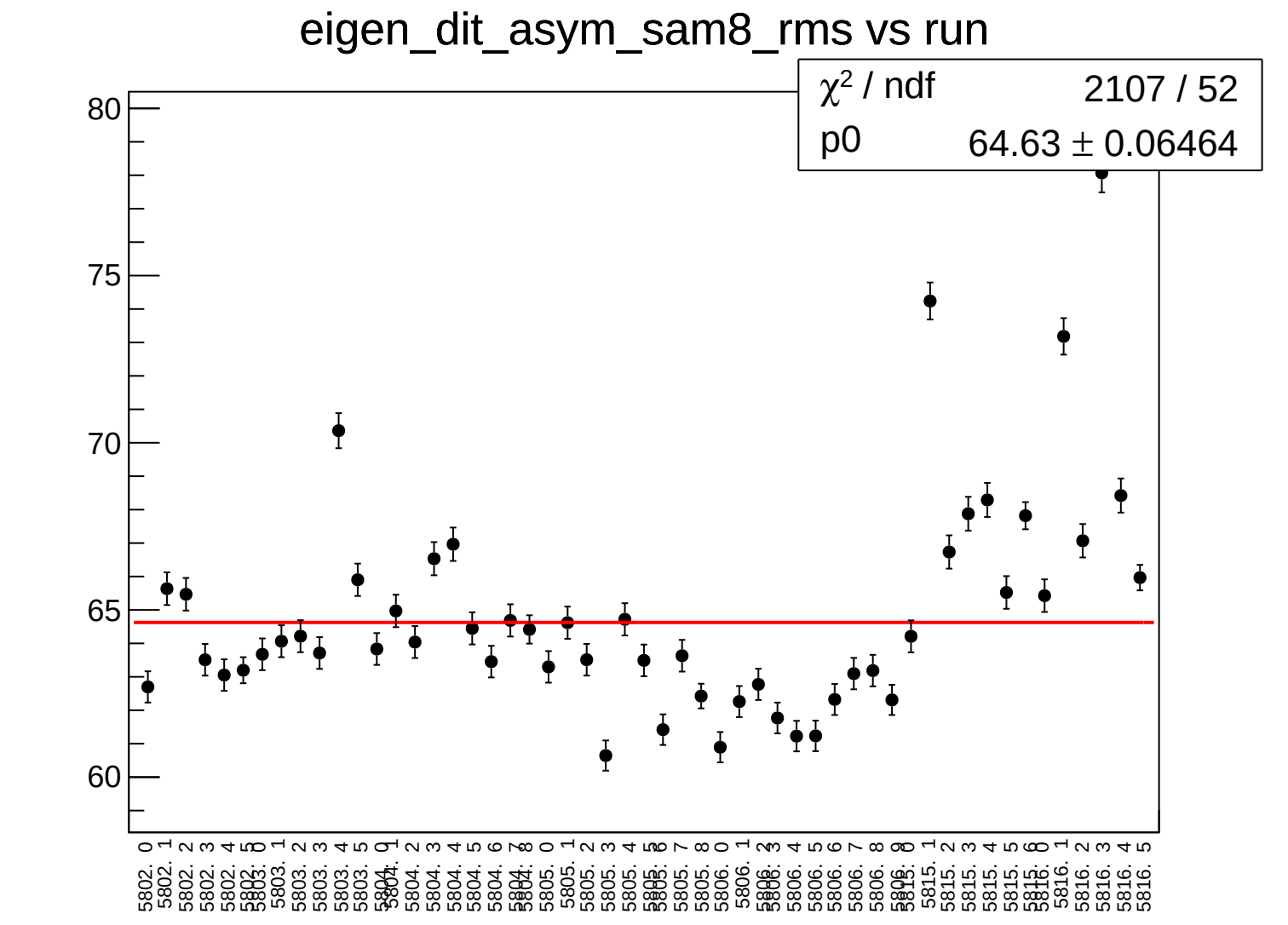

asym_sam8_dit_correction_mean vs run
χ² / ndf 51.65 / 52
p0 −56.91± 135.6
pull
Entries 53
Mean −182.9
Std Dev 0

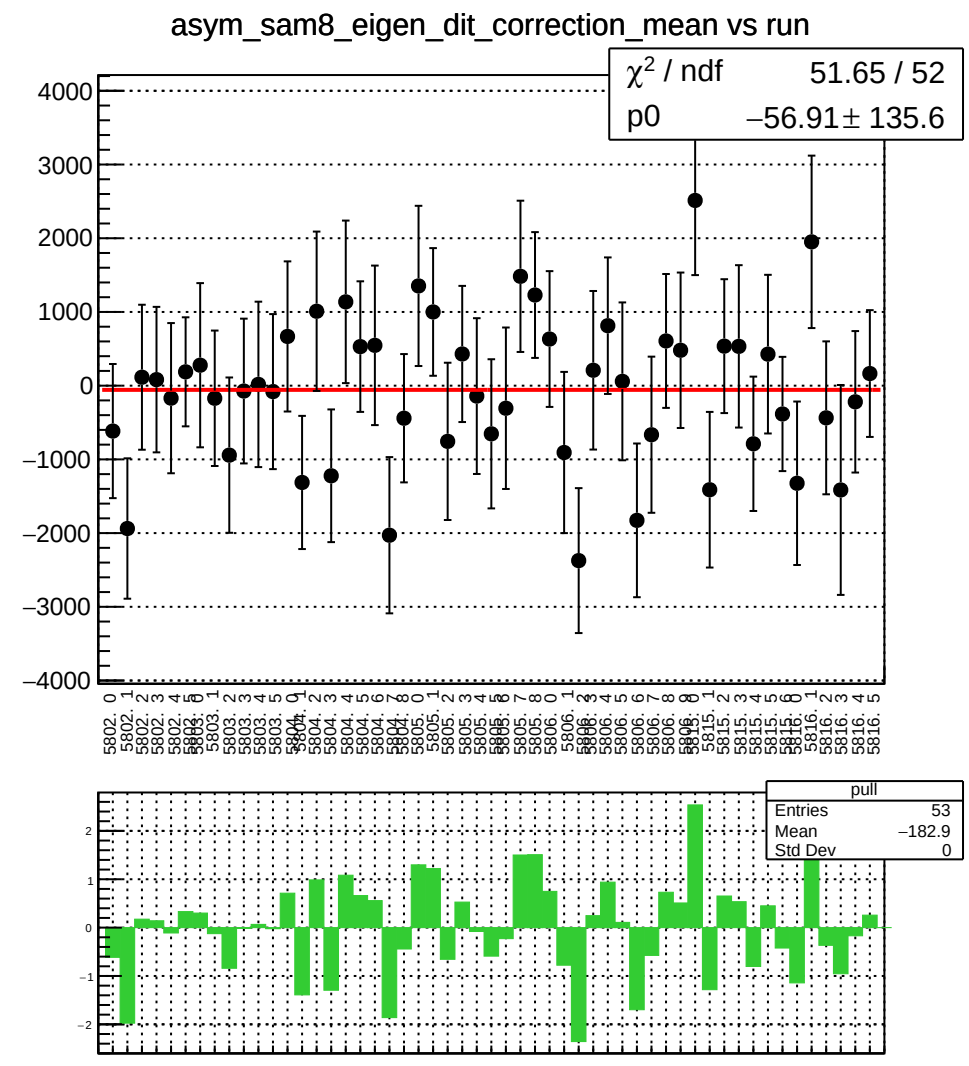

pull1D
Entries 53
Mean −0.005409
Std Dev 0.9871

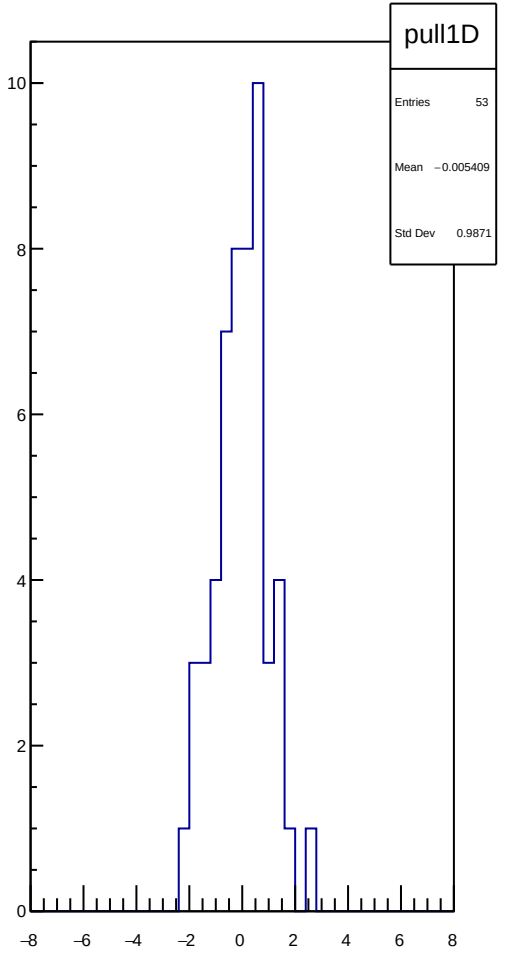

asym_sam8_dit_correction_rms vs run
χ² / ndf 7588 / 52
p0 95.57 ± 0.09586
140
130
120
110
100
90
80

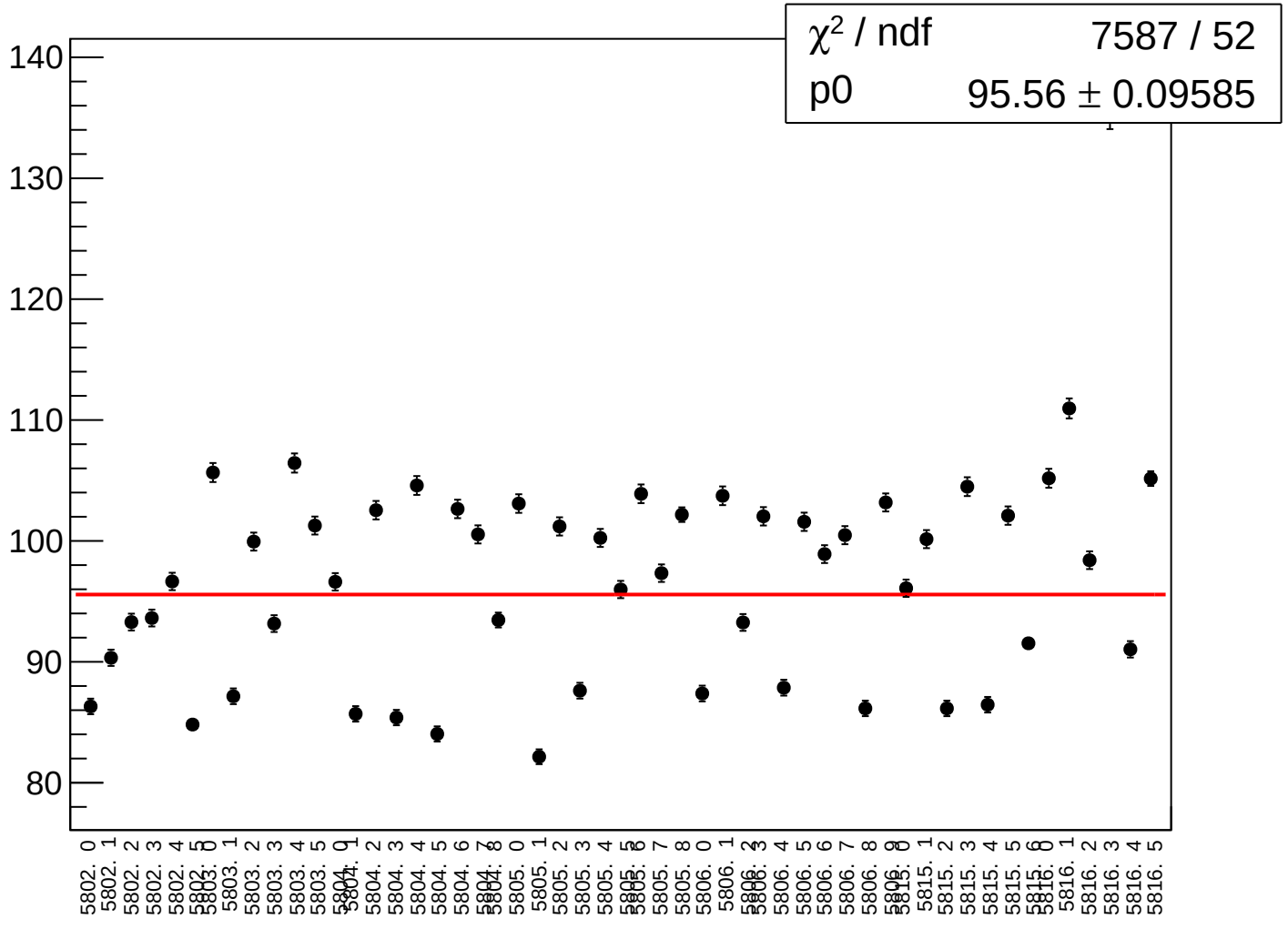

eigen_dit_asym_sam8_mean vs run
χ² / ndf 62.72 / 52
p0 −237.6 ± 91.42
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 70.03
Std Dev 0

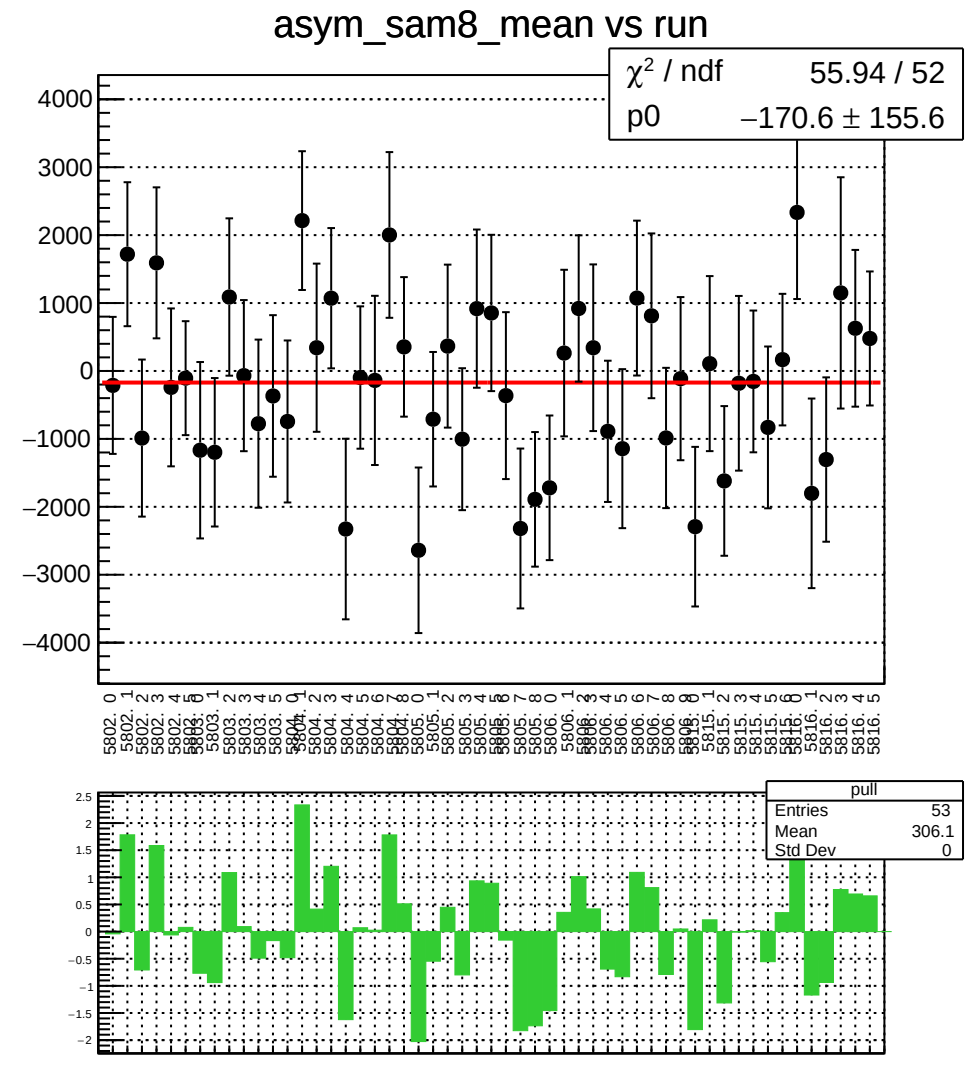

pull1D
Entries 53
Mean −0.008716
Std Dev 1.088

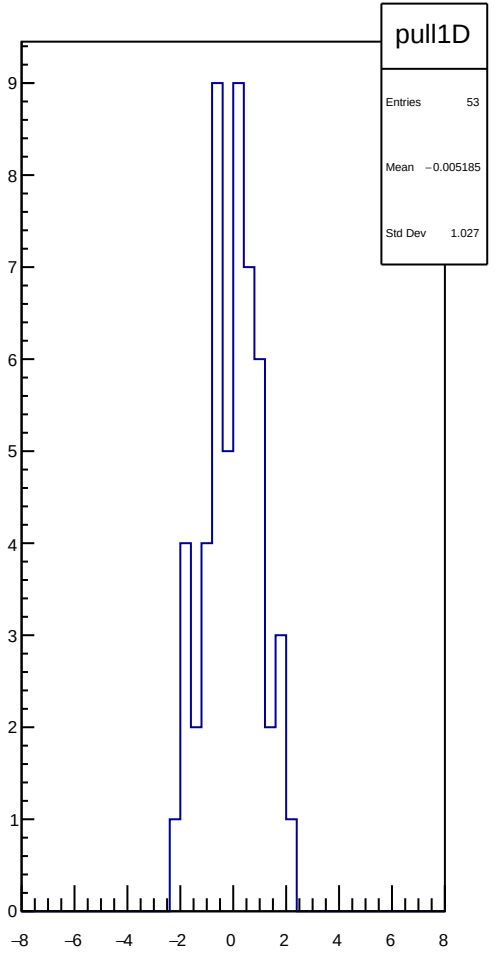

eigen_dit_asym_sam8_rms vs run
χ² / ndf 2107 / 52
p0 64.63 ± 0.06464
80
75
70
65
60

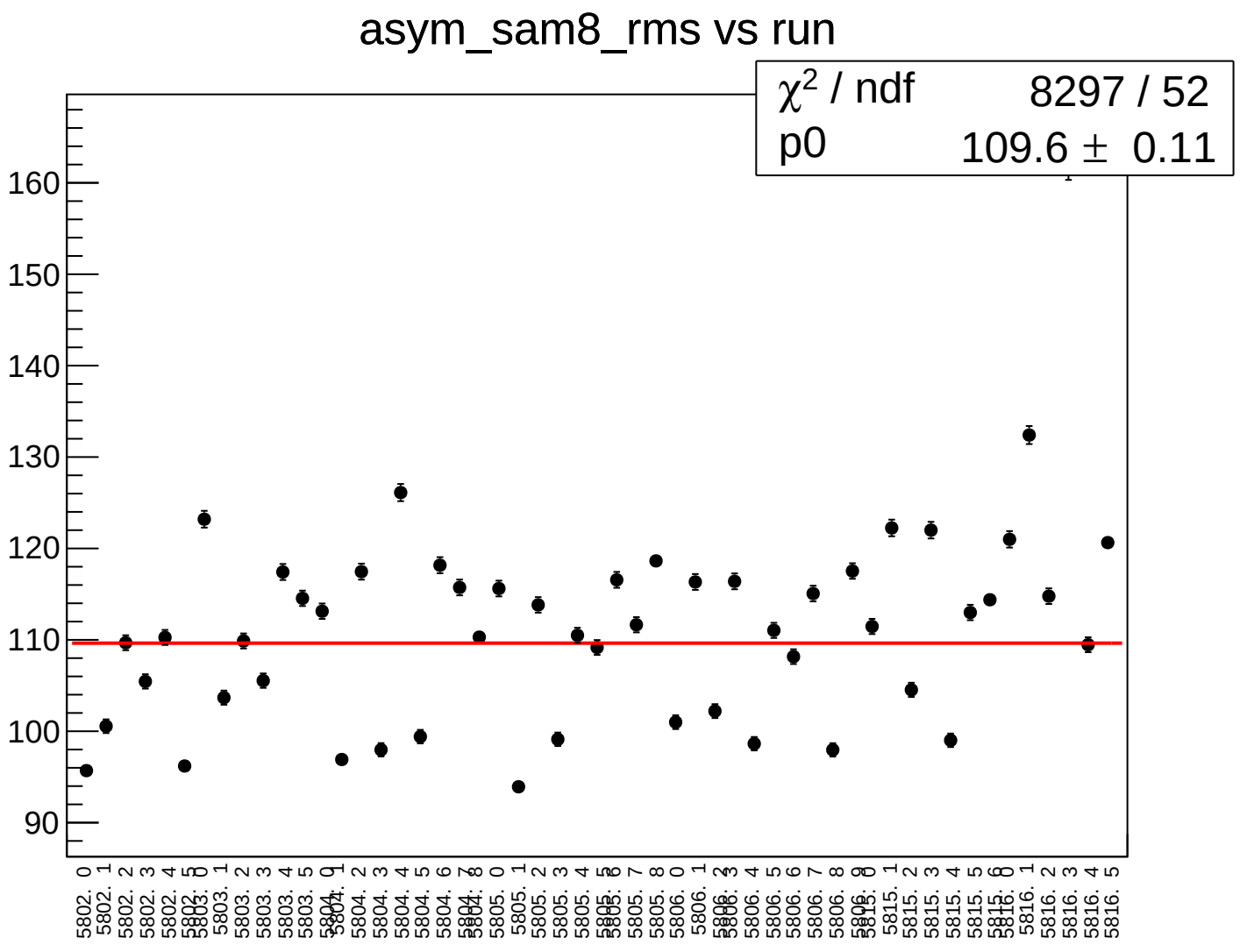

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 51.65 / 52
p0 −56.91 ± 135.6
pull
Entries 53
Mean −182.9
Std Dev 0

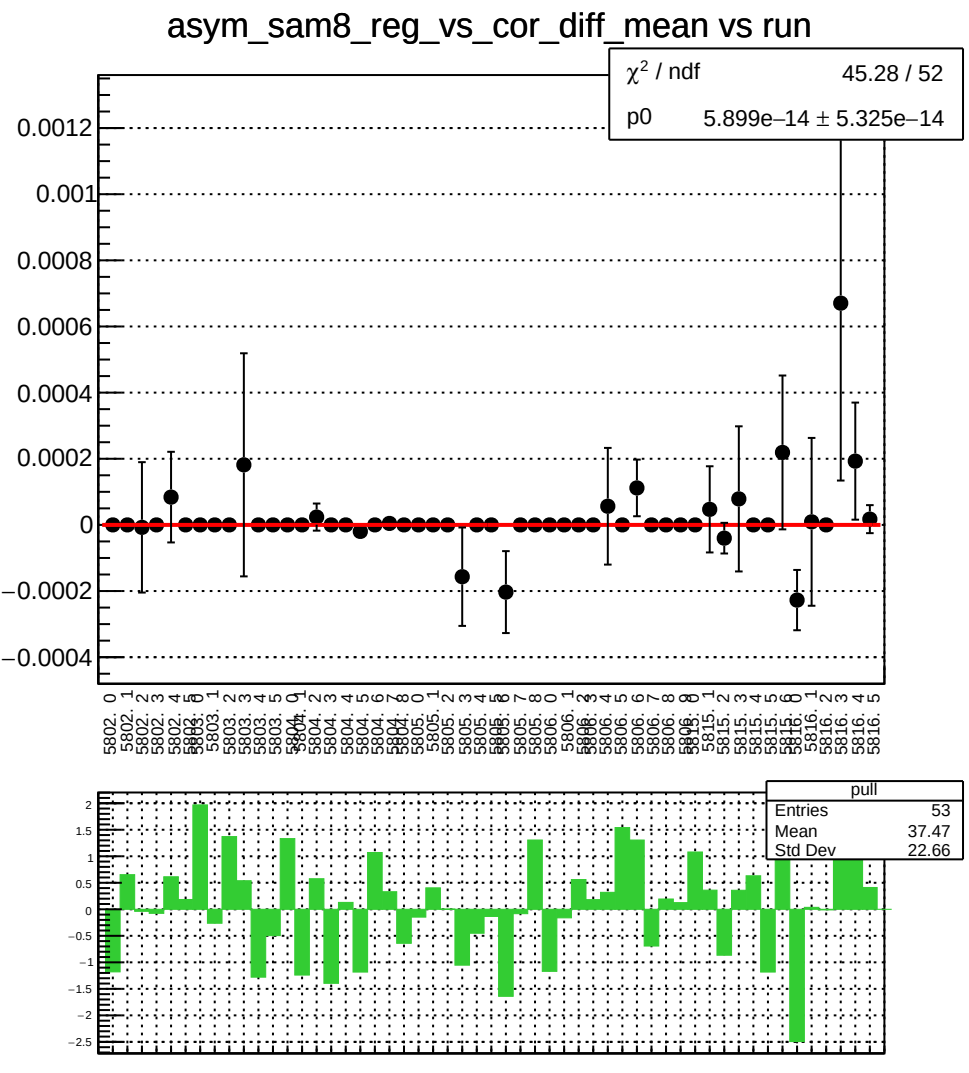

pull1D
Entries 53
Mean −0.005409
Std Dev 0.9871

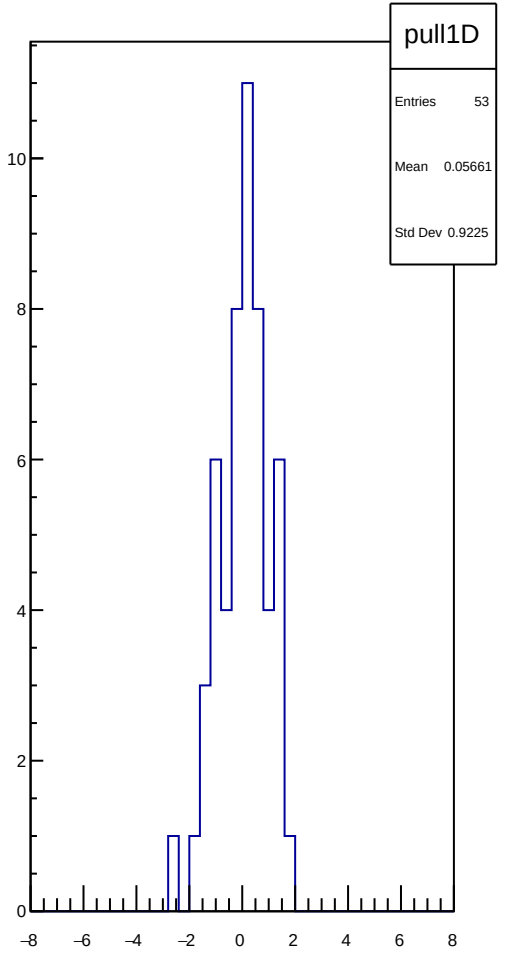

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 7587 / 52
p0 95.56 ± 0.09585
140
130
120
110
100
90
80

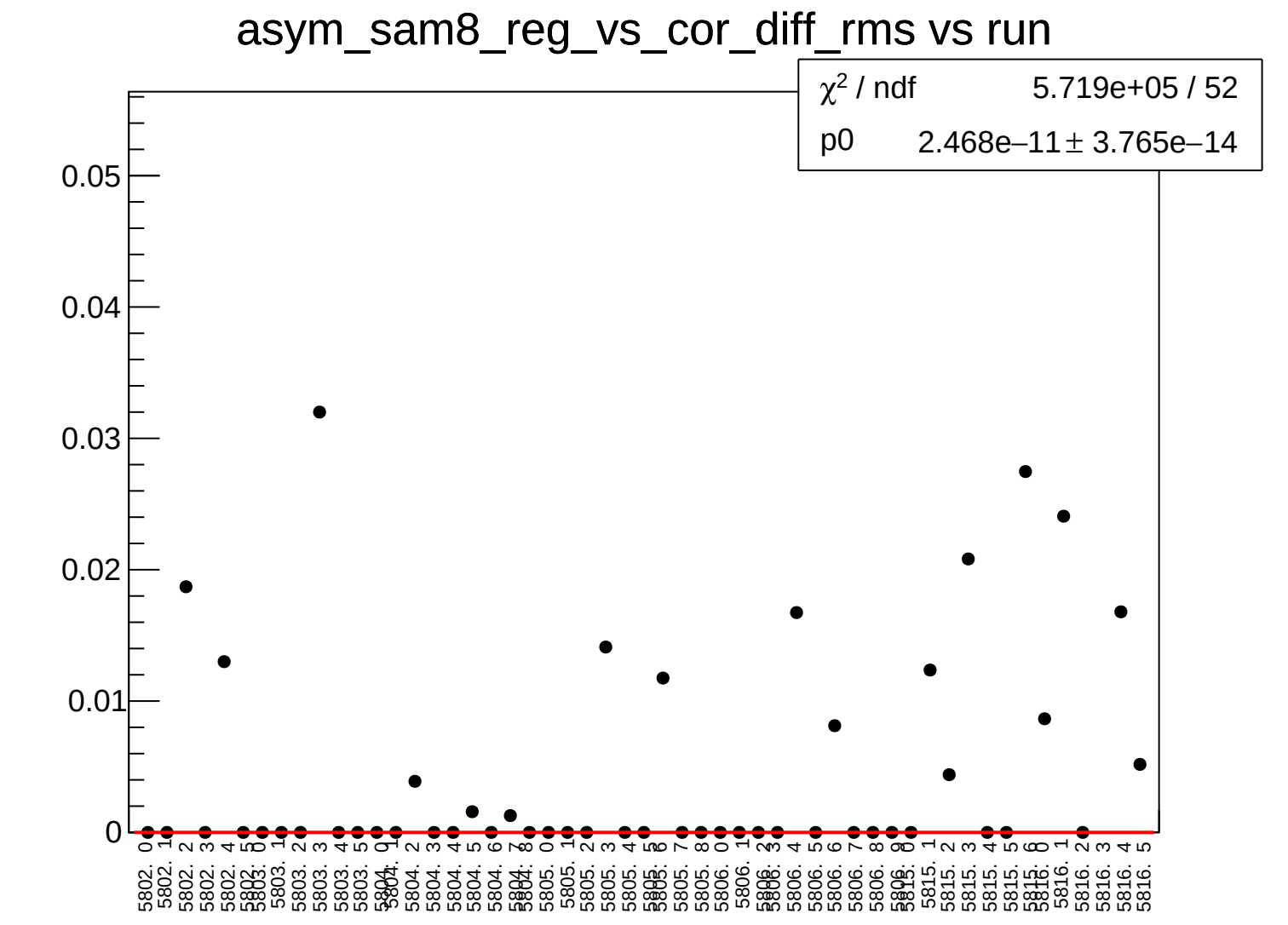

asym_sam8_mean vs run
χ² / ndf 55.94 / 52
p0 −170.6 ± 155.6
pull
Entries 53
Mean 306.1
Std Dev 0

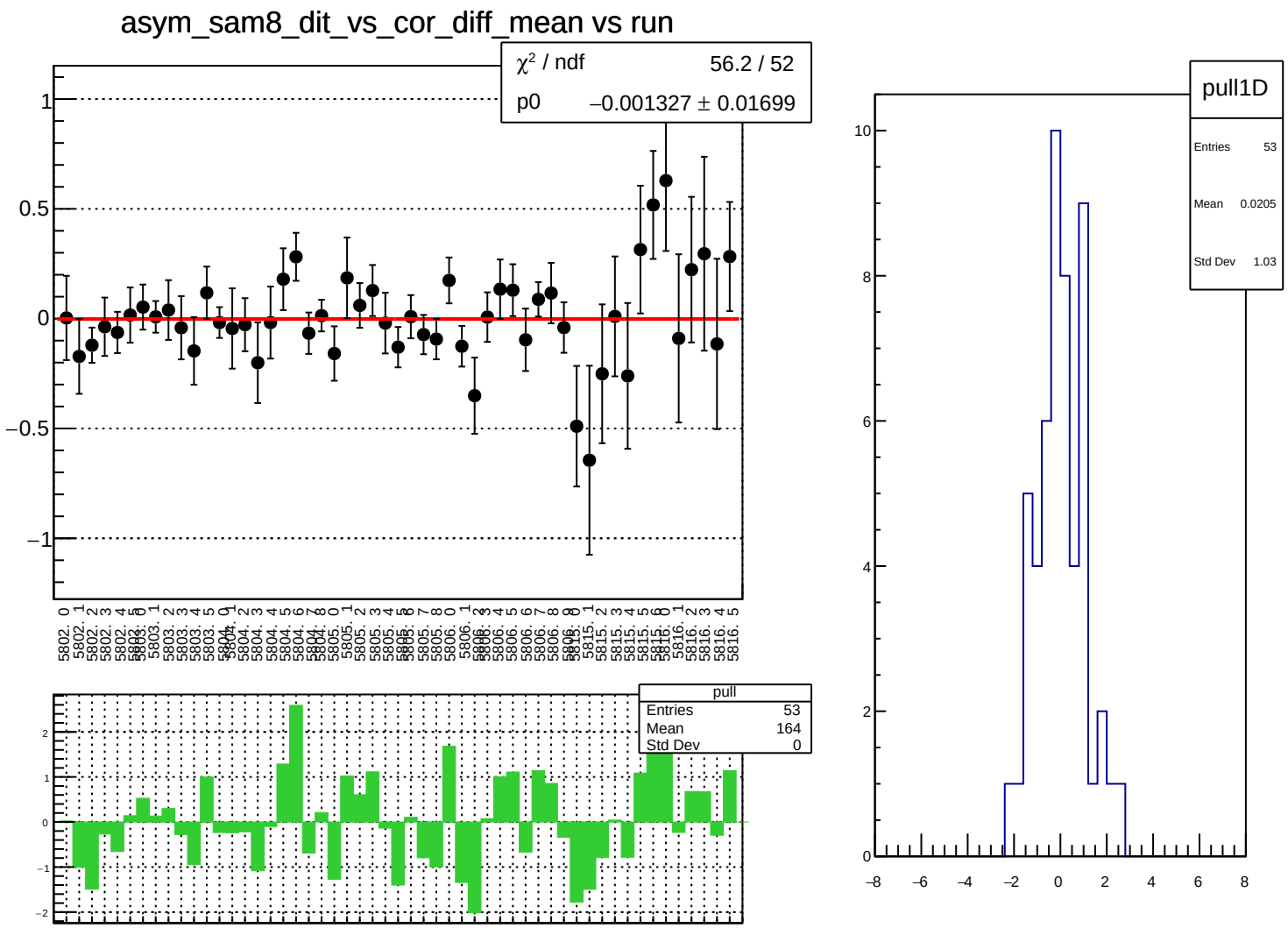

pull1D
Entries 53
Mean −0.005185
Std Dev 1.027

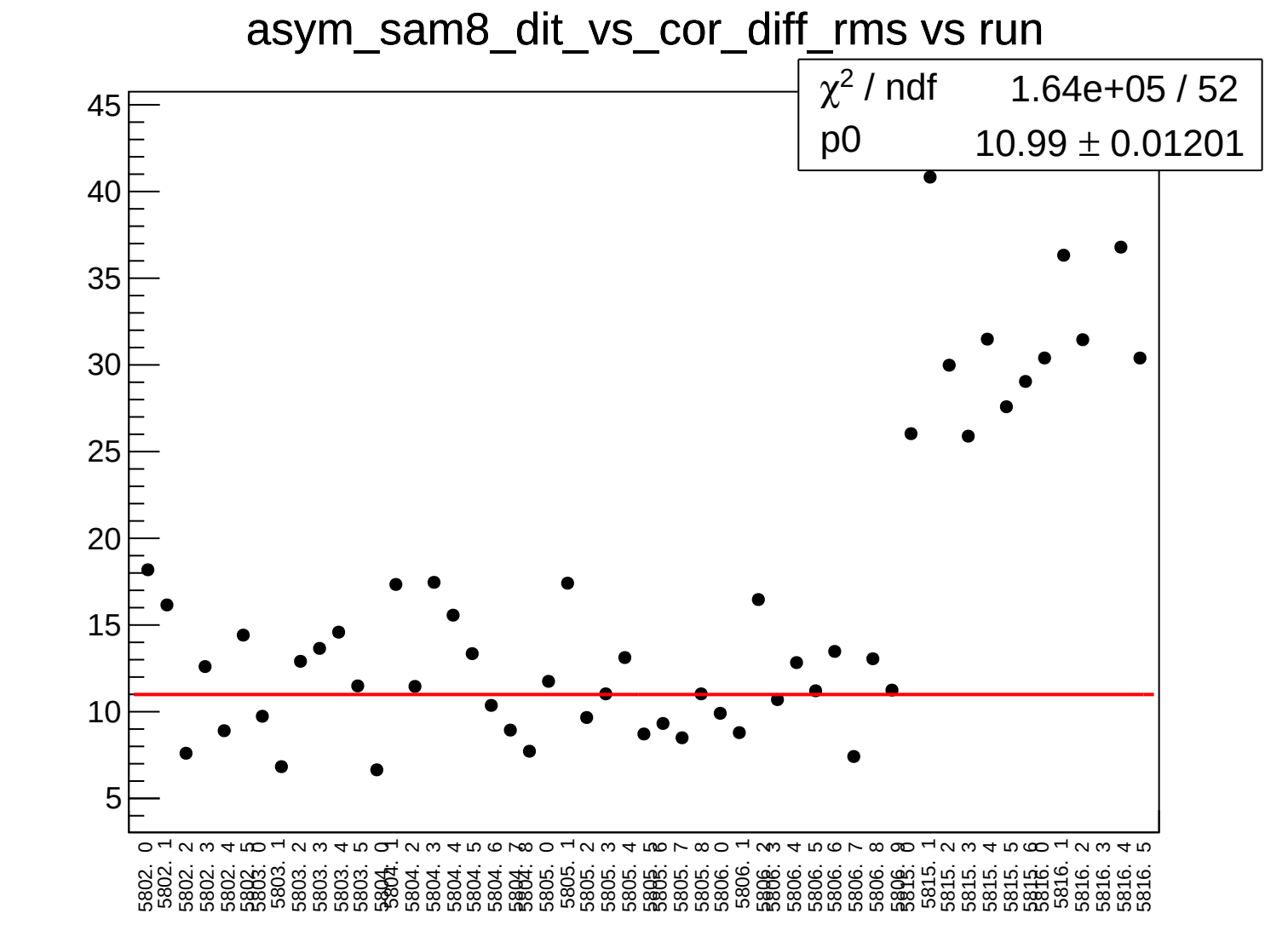

asym_sam8_rms vs run
χ² / ndf 8297 / 52
p0 109.6 ± 0.11
160
150
140
130
120
110
100
90

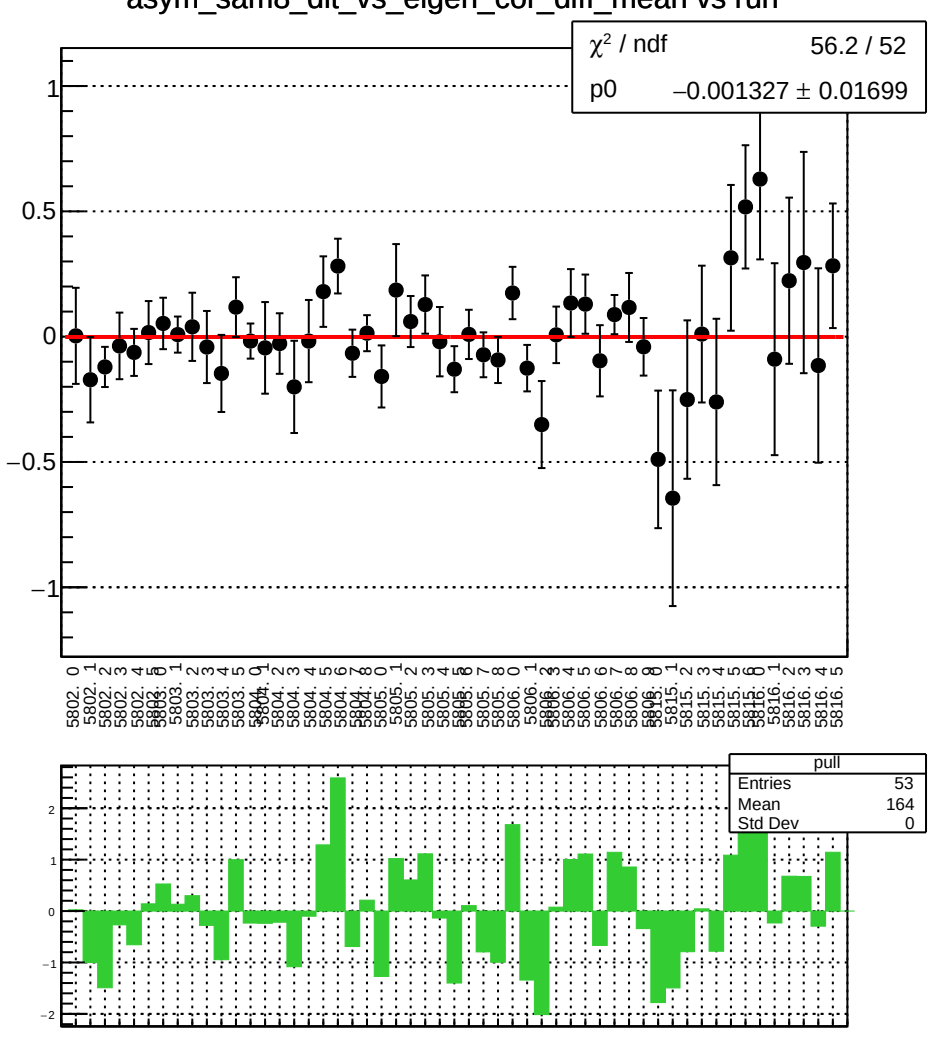

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 45.28 / 52
p0 5.899e−14 ± 5.325e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 53
Mean 37.47
Std Dev 22.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

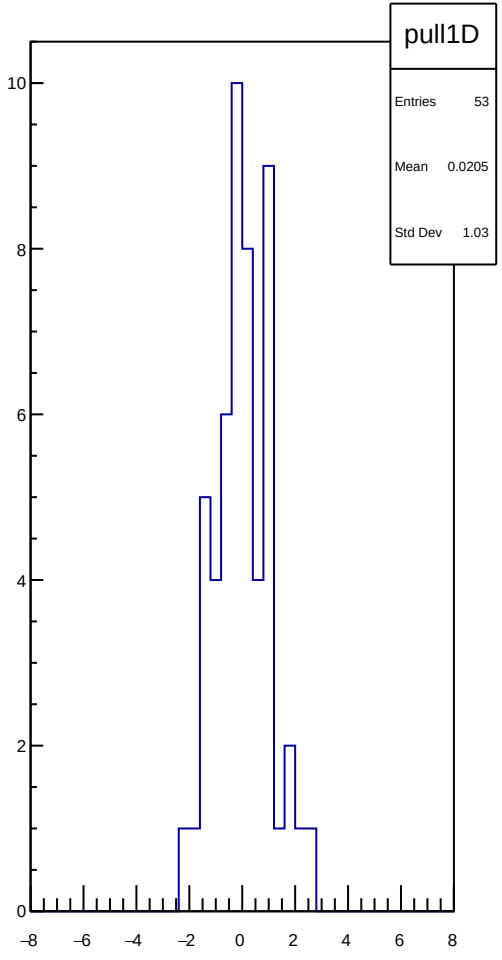

pull1D
Entries 53
Mean 0.05661
Std Dev 0.9225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

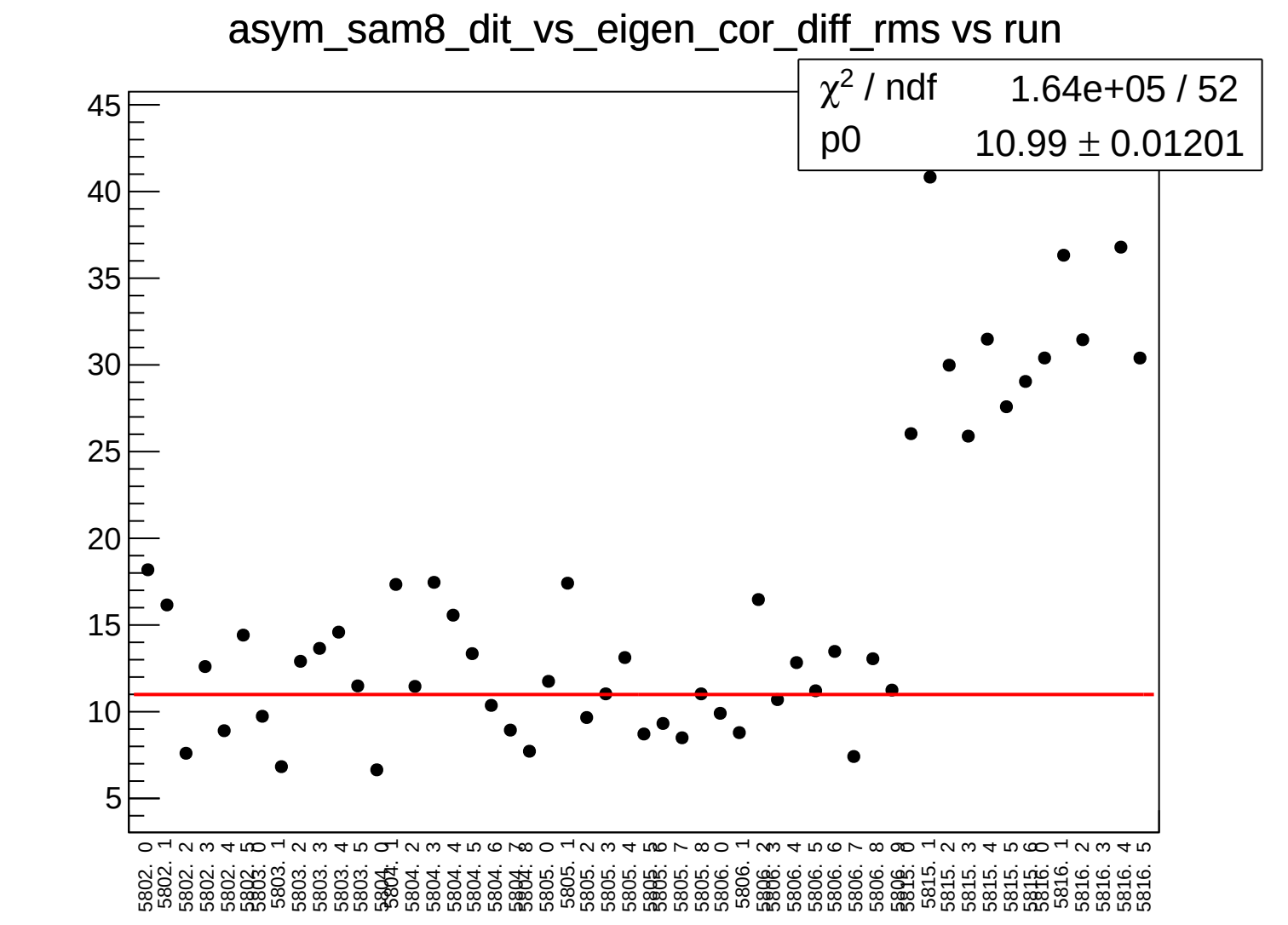

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.719e+05 / 52
p0 2.468e−11 ± 3.765e−14
0.05
0.04
0.03
0.02
0.01
0

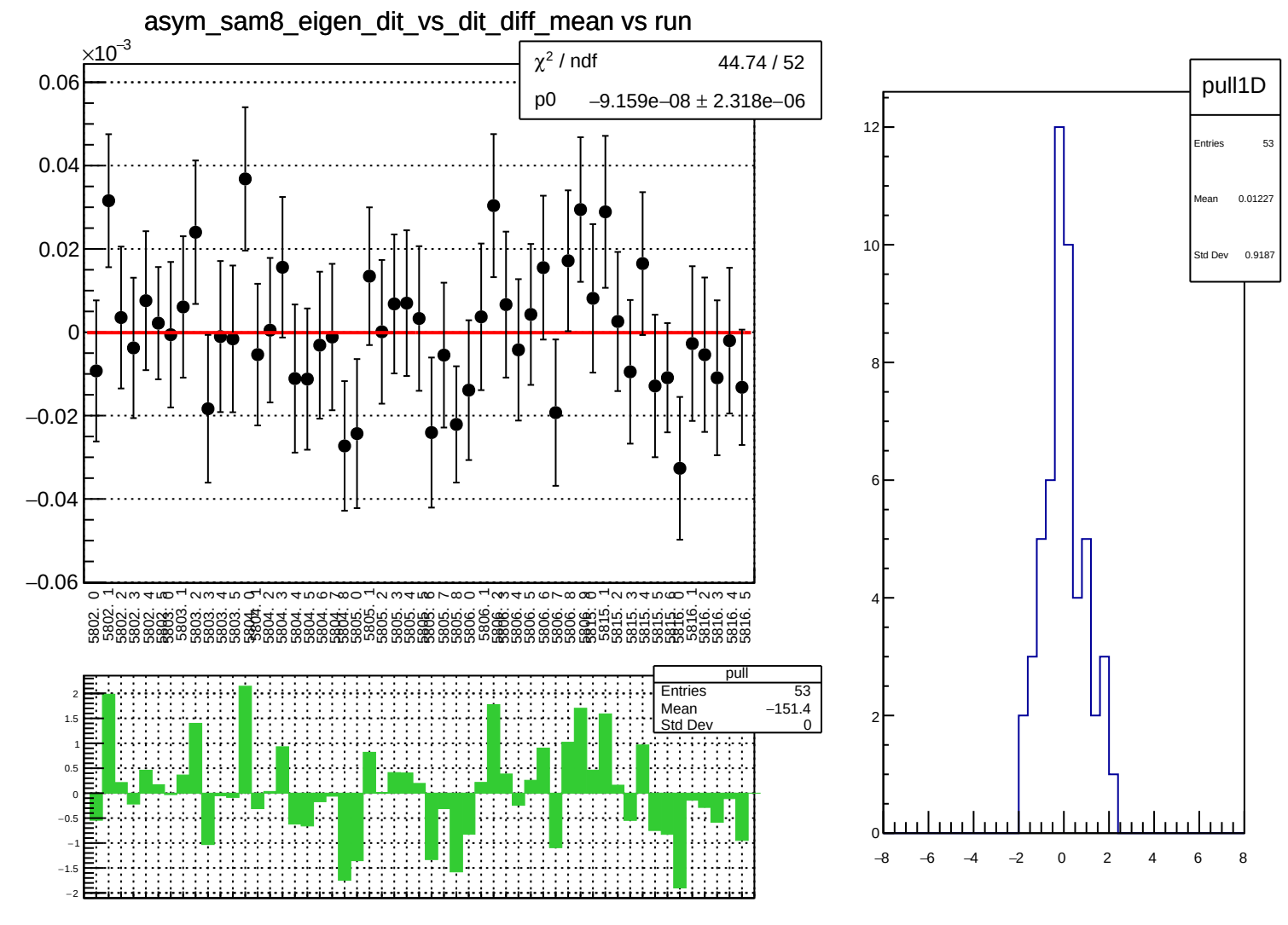

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 52
p0 −0.001327 ± 0.01699
pull
Entries 53
Mean 164
Std Dev 0
pull1D
Entries 53
Mean 0.0205
Std Dev 1.03

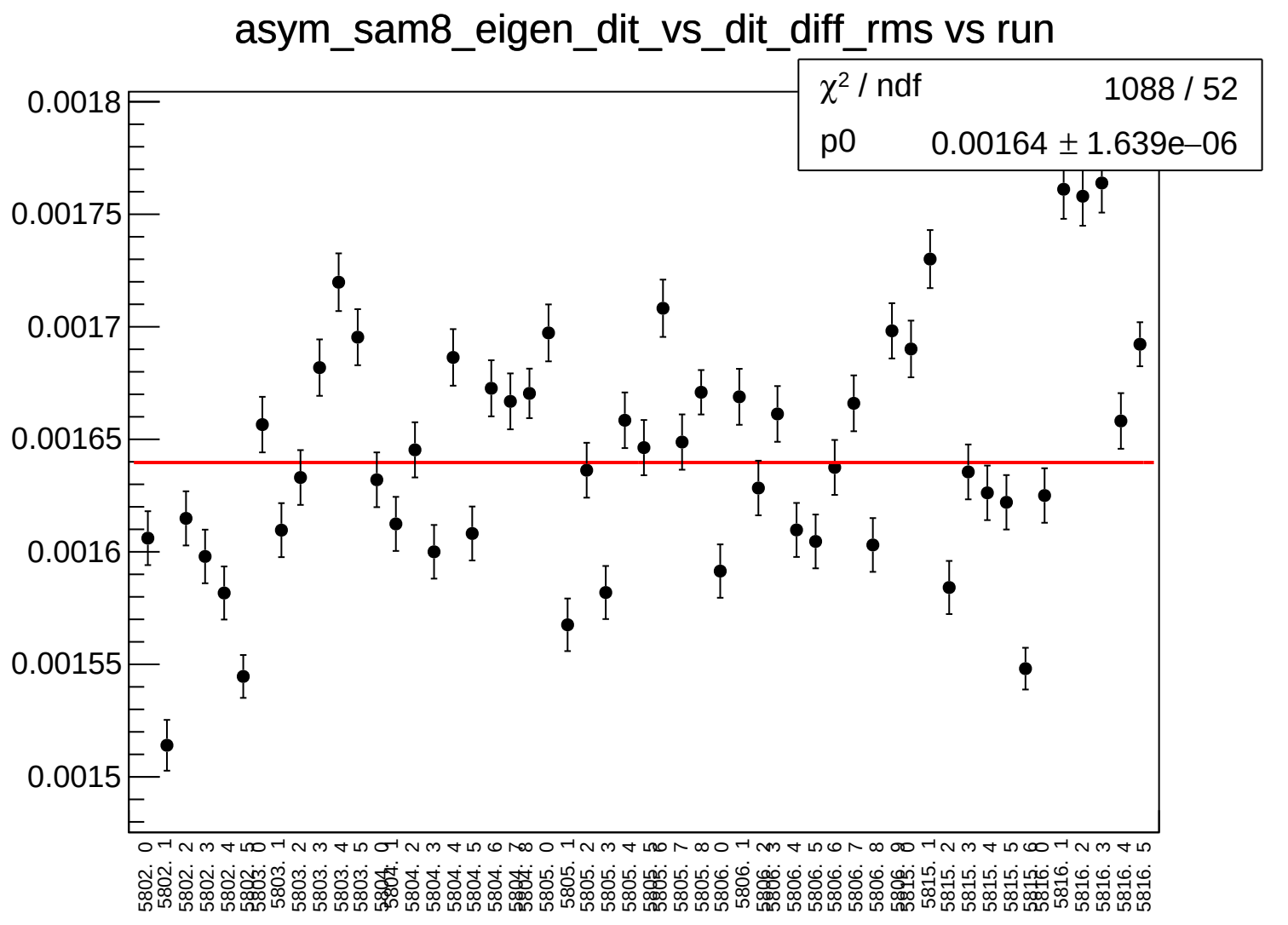

asym_sam8_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.64e+05 / 52
p0 10.99 ± 0.01201
45
40
35
30
25
20
15
10
5

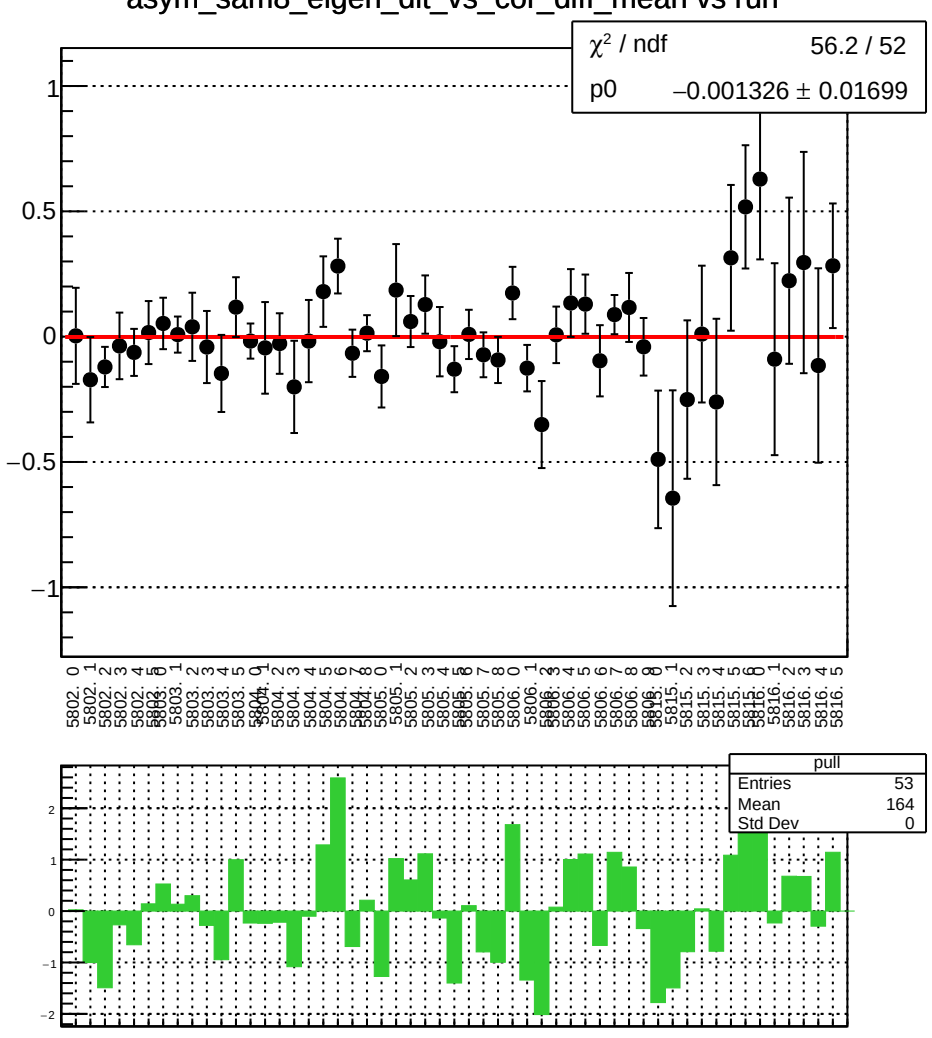

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.2 / 52
p0 −0.001327 ± 0.01699
pull
Entries 53
Mean 164
Std Dev 0

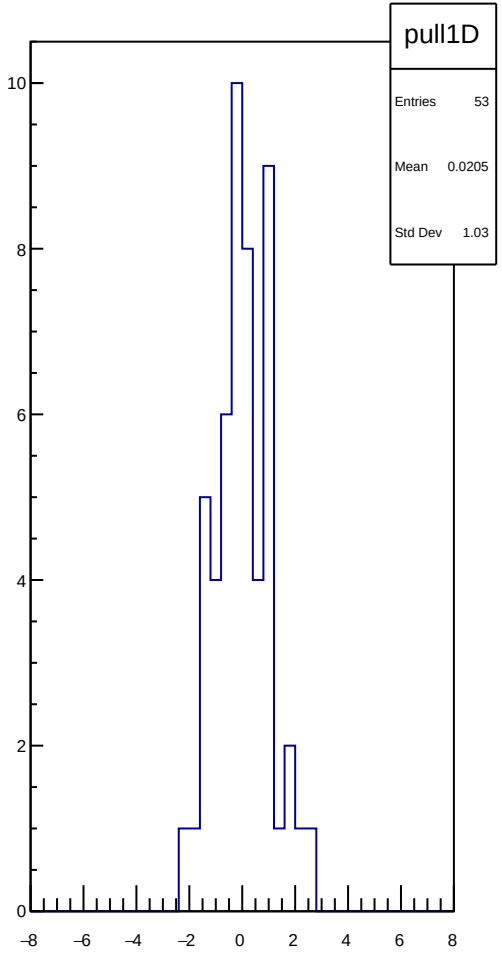

pull1D
Entries 53
Mean 0.0205
Std Dev 1.03

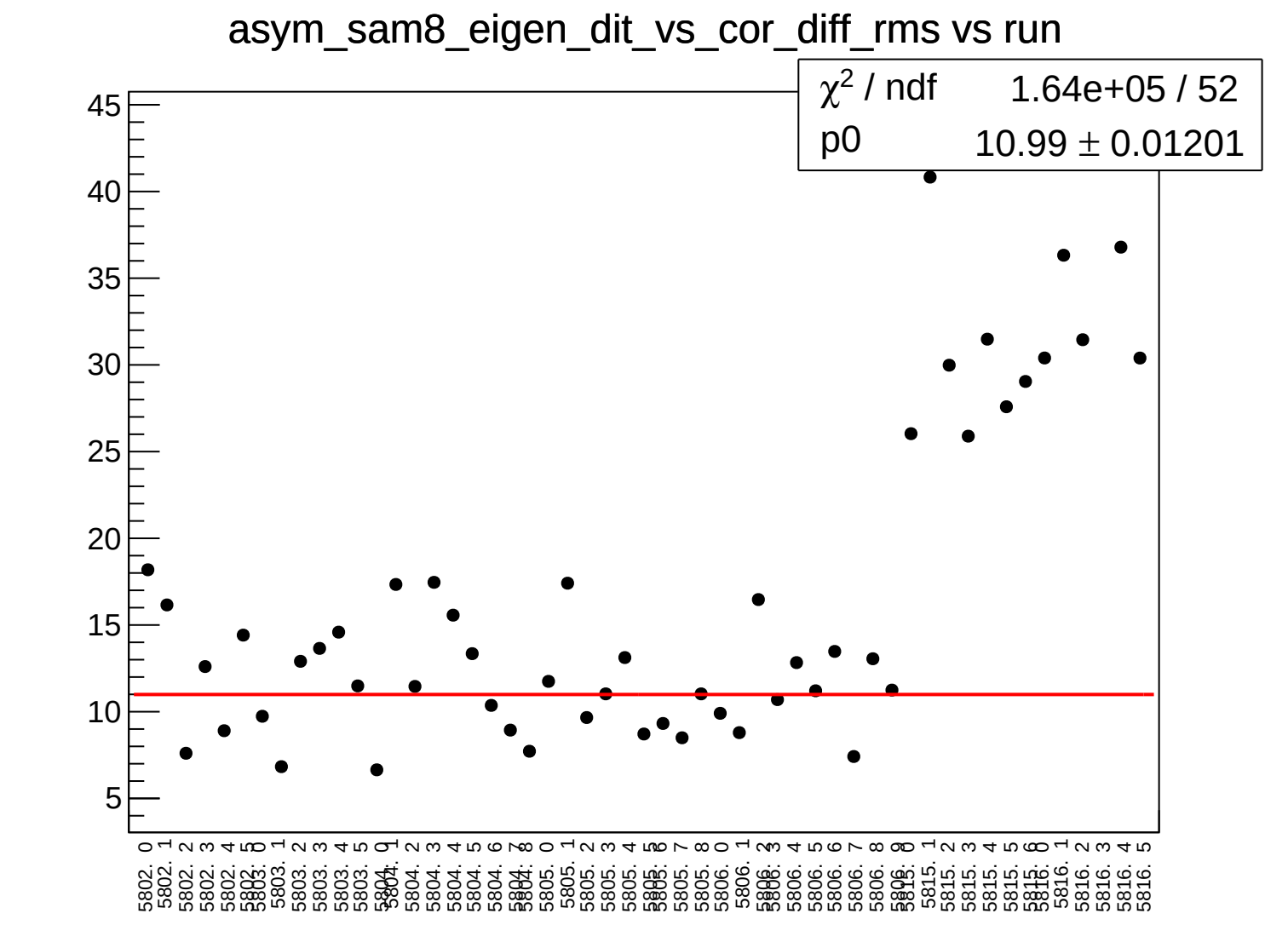

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.64e+05 / 52
p0 10.99 ± 0.01201
45
40
35
30
25
20
15
10
5

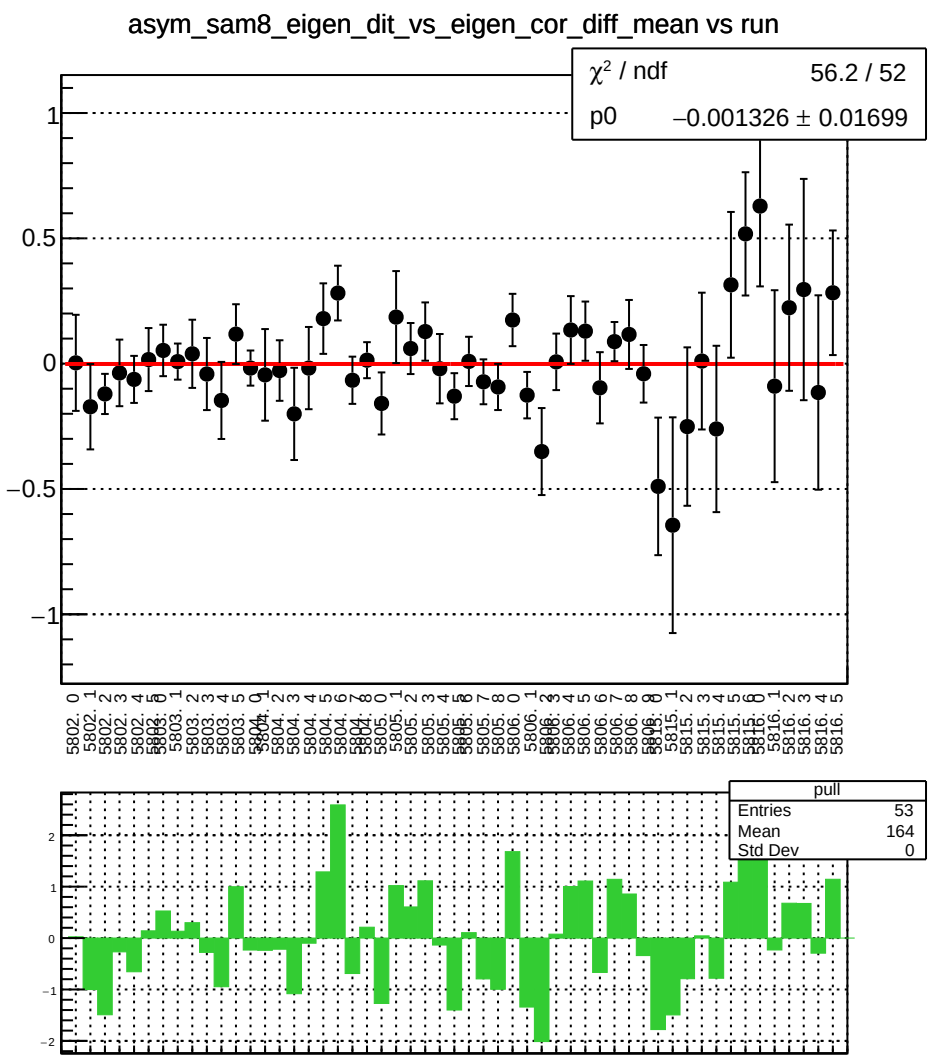

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.74 / 52
p0 −9.159e−08 ± 2.318e−06
pull
Entries 53
Mean −151.4
Std Dev 0
pull1D
Entries 53
Mean 0.01227
Std Dev 0.9187

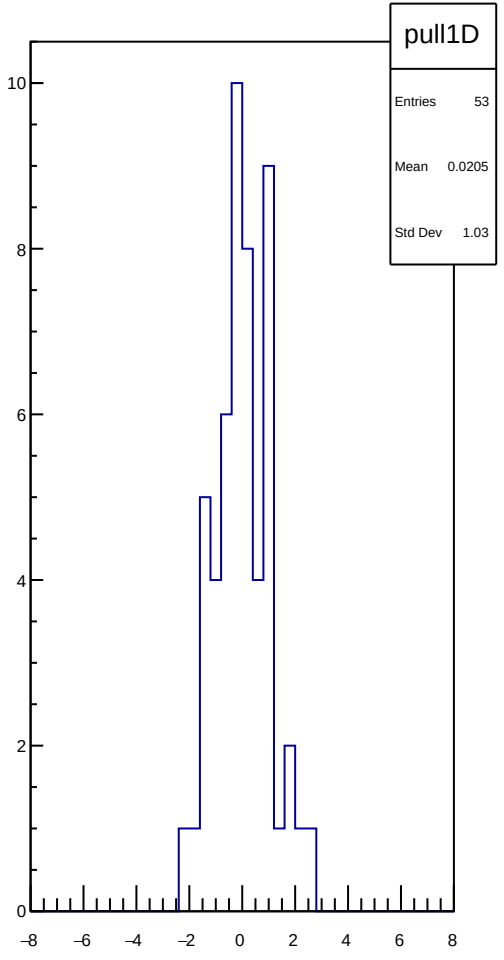

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1088 / 52
p0 0.00164 ± 1.639e–06
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015

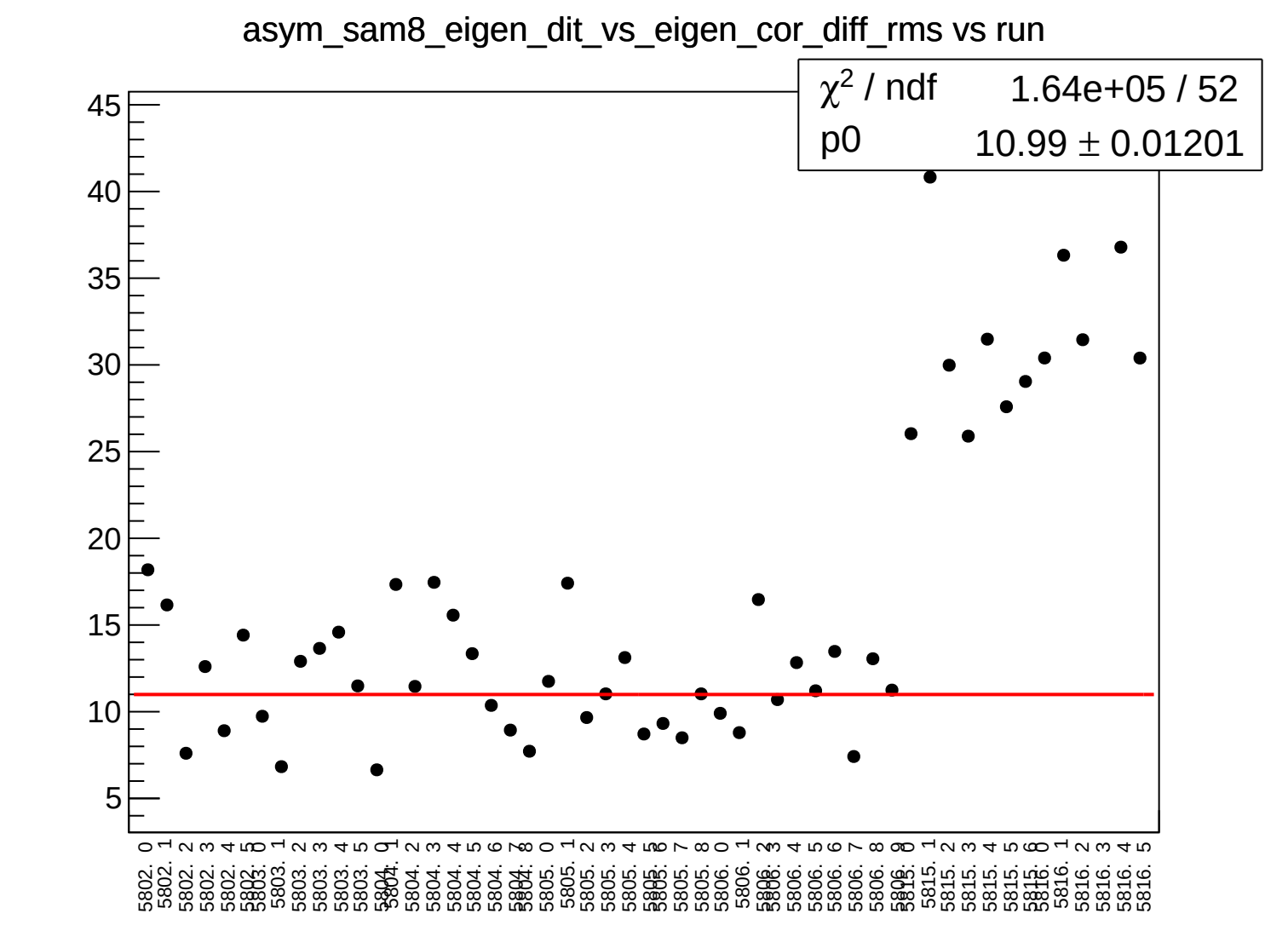

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.2 / 52
p0 −0.001326 ± 0.01699
pull
Entries 53
Mean 164
Std Dev 0

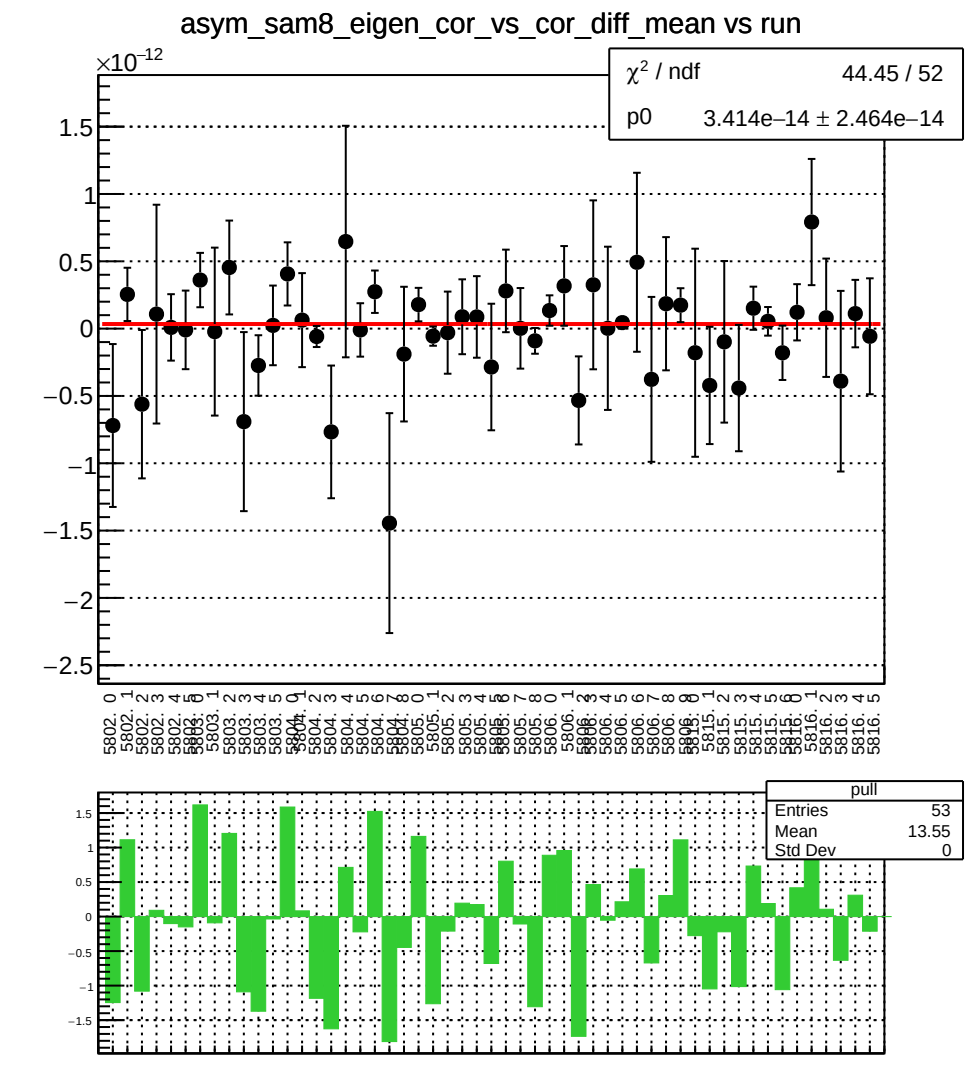

pull1D
Entries 53
Mean 0.0205
Std Dev 1.03

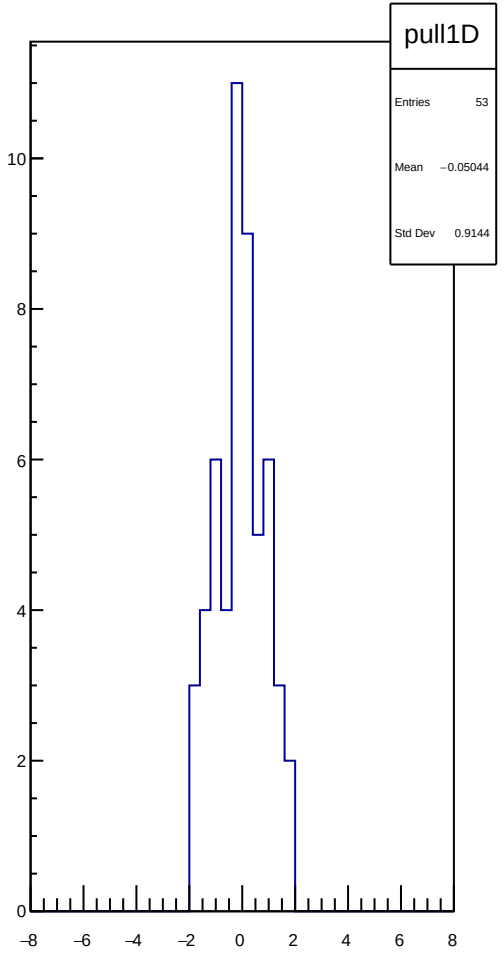

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.64e+05 / 52
p0 10.99 ± 0.01201
45
40
35
30
25
20
15
10
5

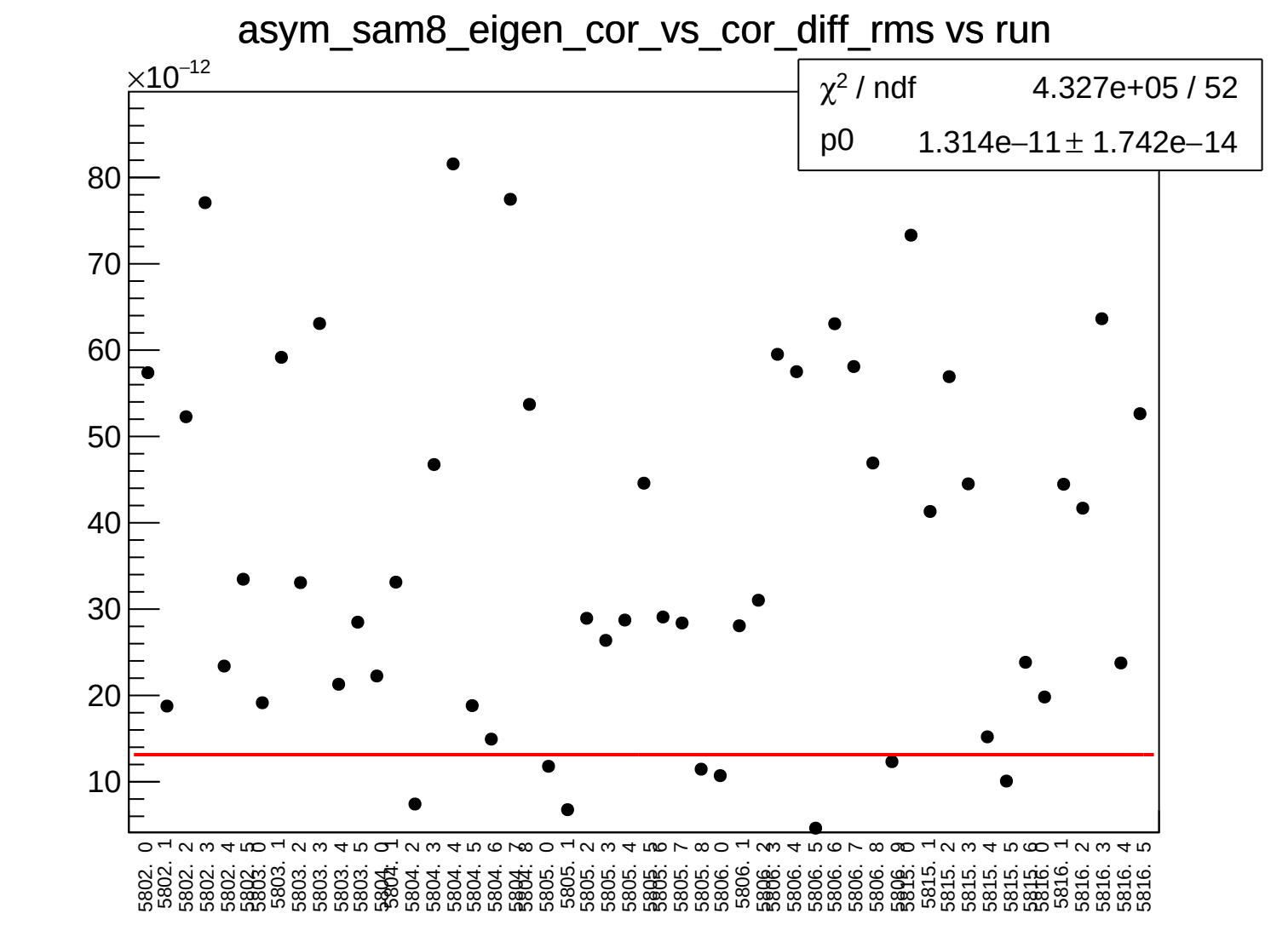

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.2 / 52
p0 −0.001326 ± 0.01699
pull
Entries 53
Mean 164
Std Dev 0

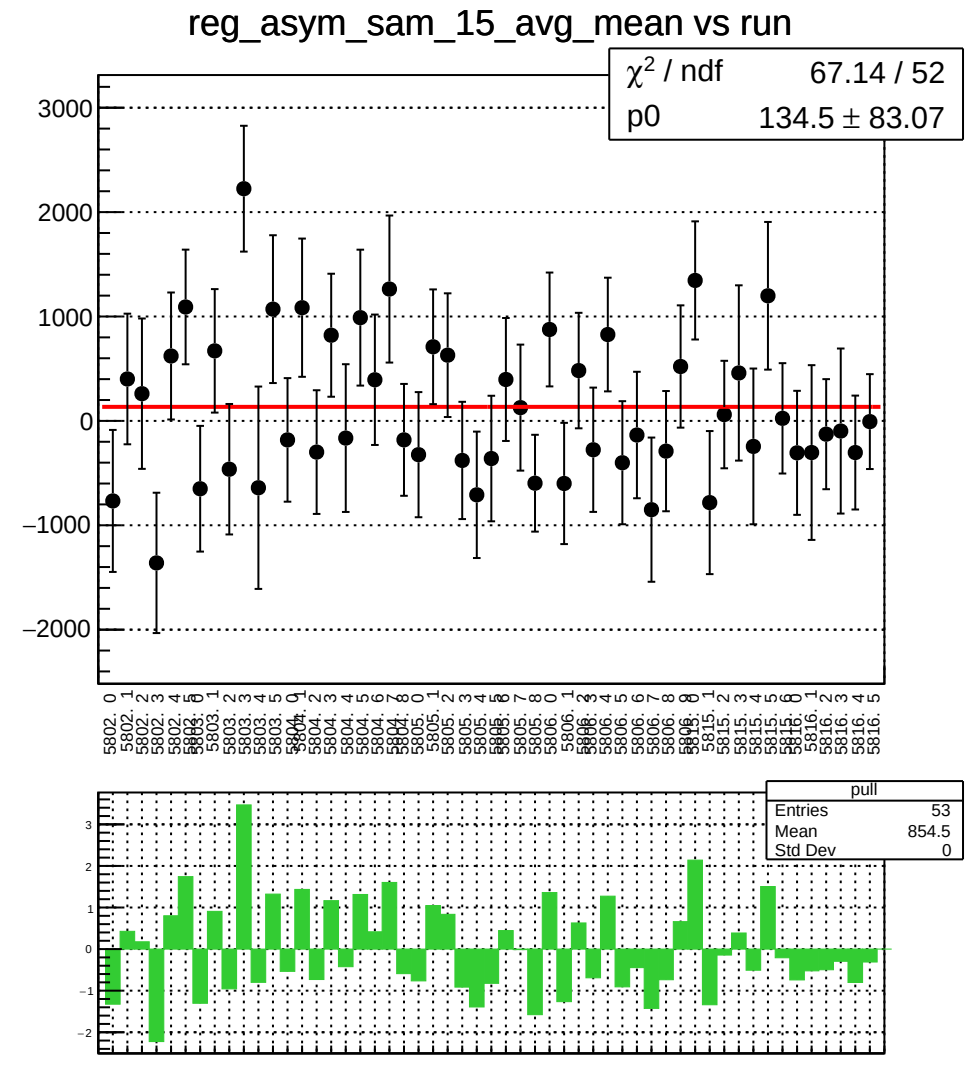

pull1D
Entries 53
Mean 0.0205
Std Dev 1.03

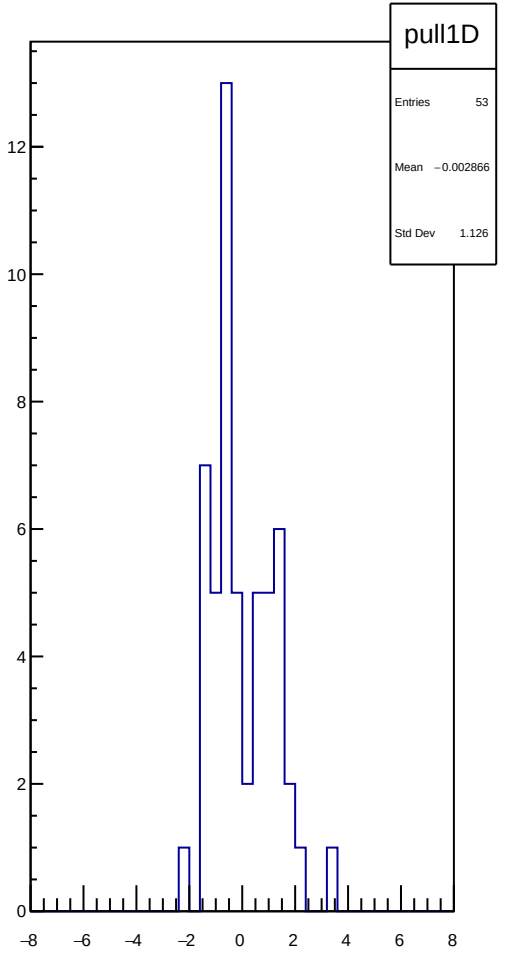

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.64e+05 / 52
p0 10.99 ± 0.01201
45
40
35
30
25
20
15
10
5

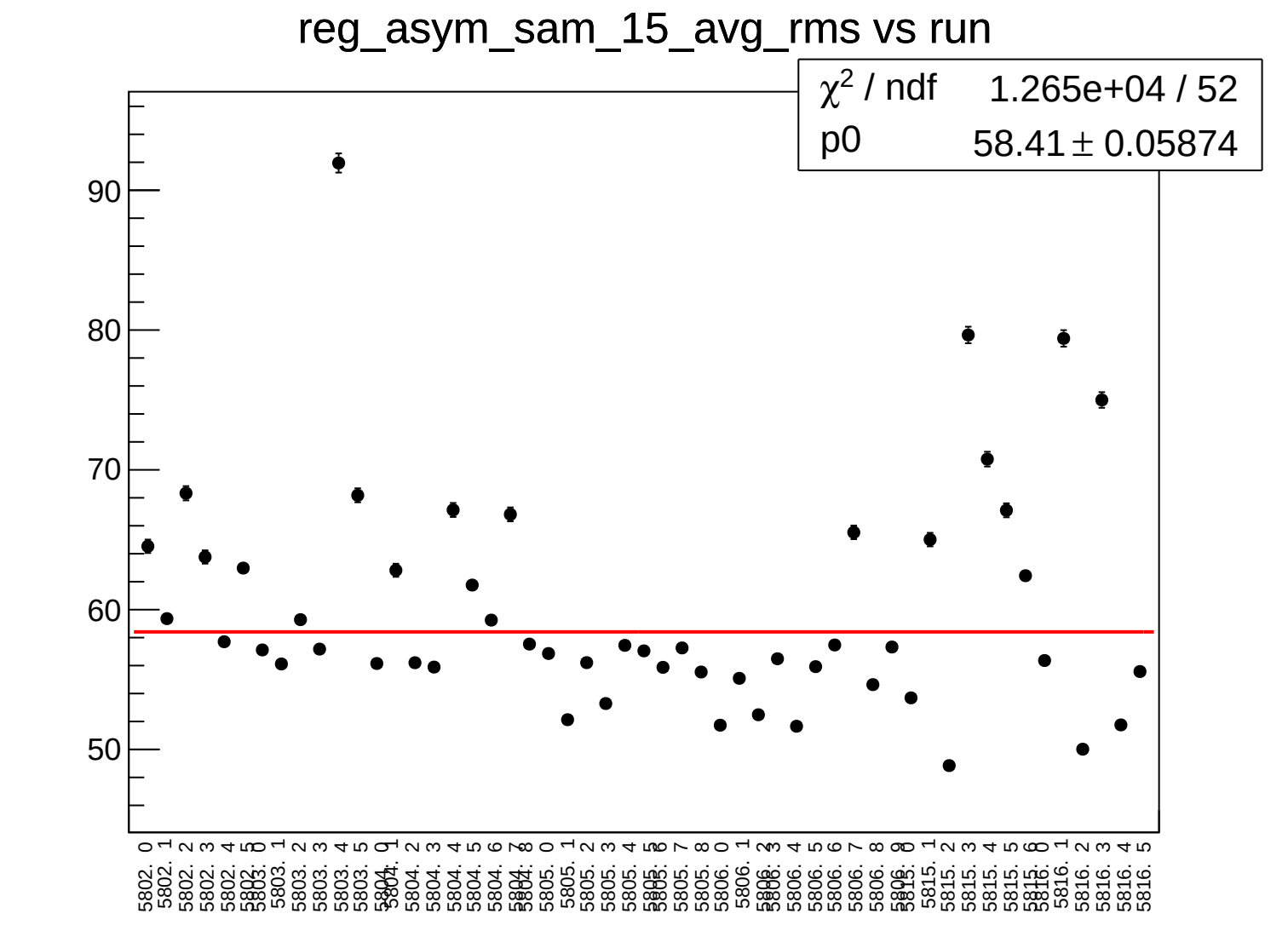

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.45 / 52
p0 3.414e−14 ± 2.464e−14
pull
Entries 53
Mean 13.55
Std Dev 0

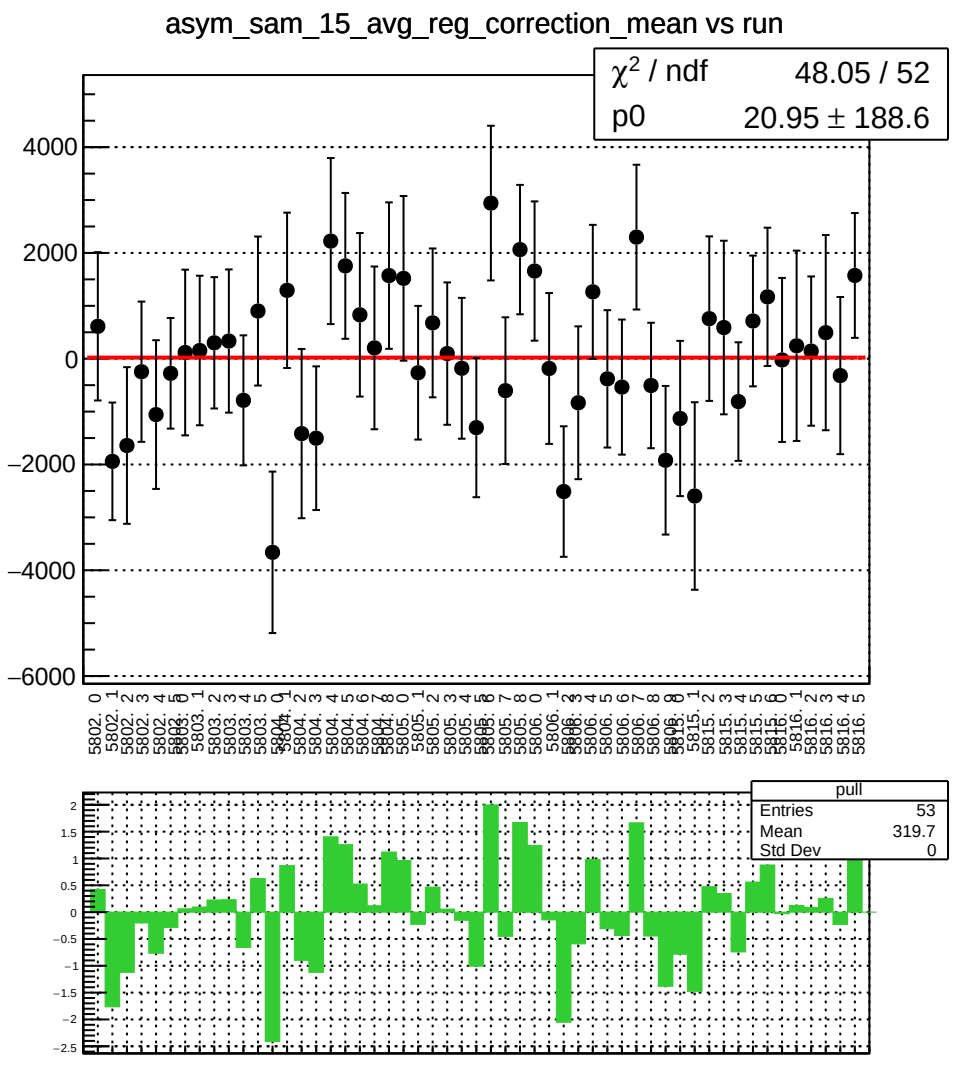

pull1D
Entries 53
Mean −0.05044
Std Dev 0.9144

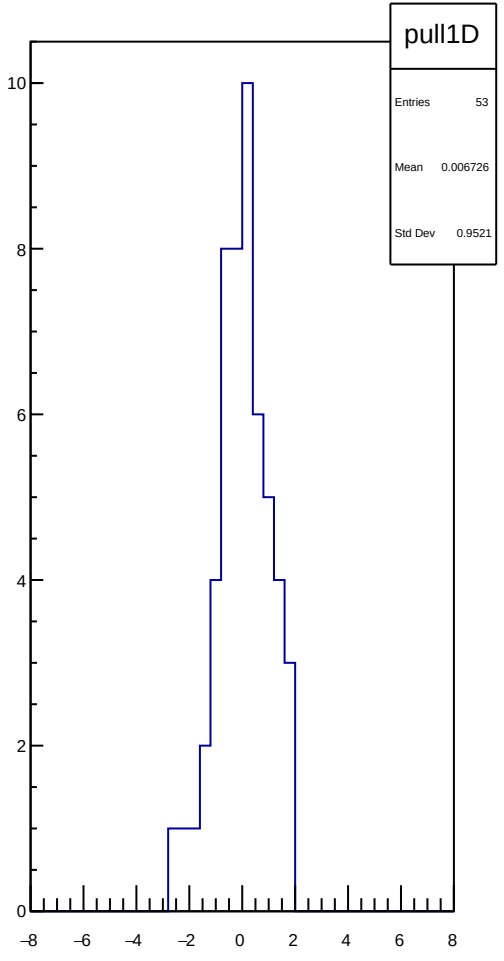

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.327e+05 / 52
p0 1.314e−11 ± 1.742e−14
80
70
60
50
40
30
20
10

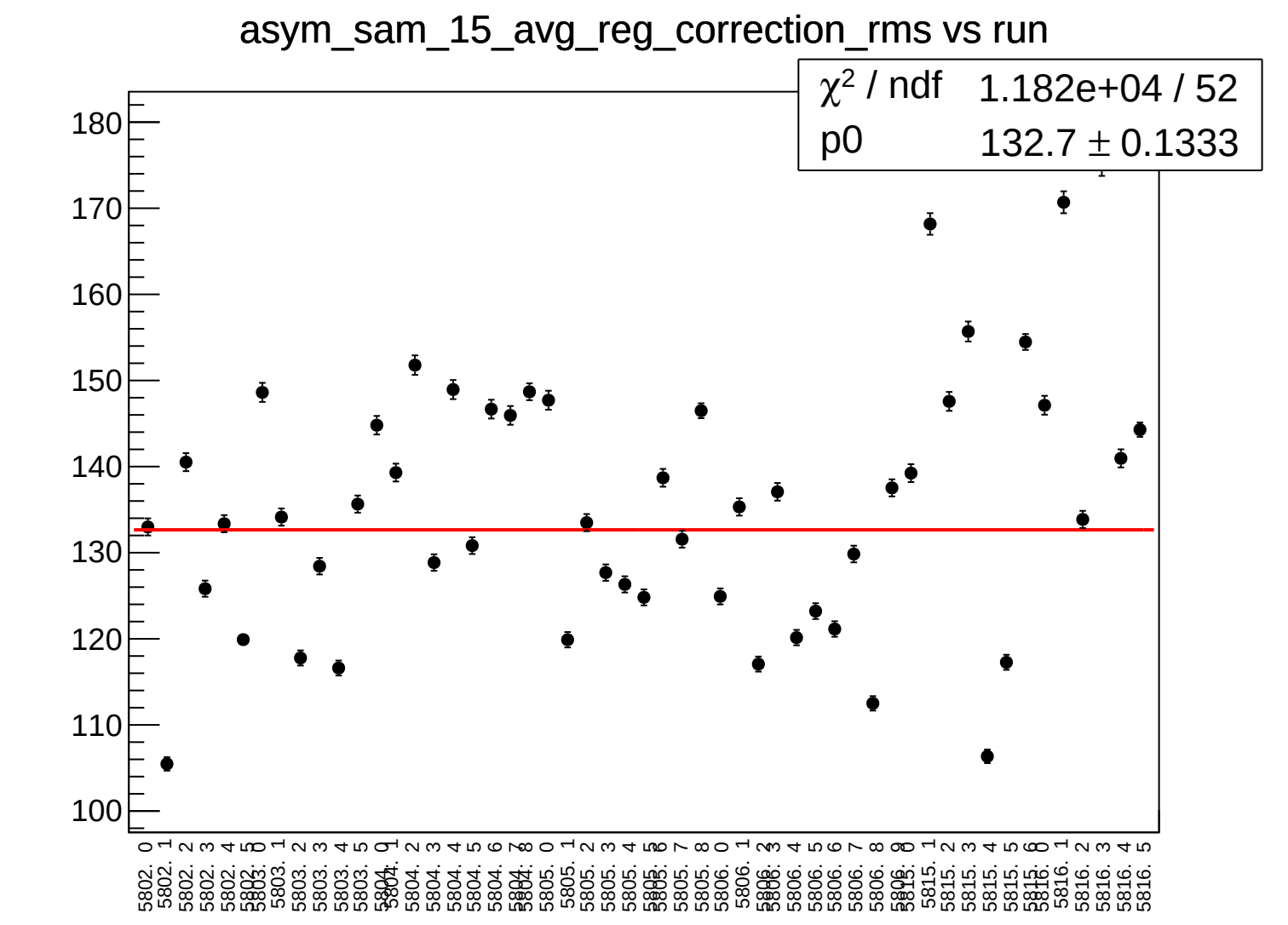

reg_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 52
p0 134.5 ± 83.07
pull
Entries 53
Mean 854.5
Std Dev 0

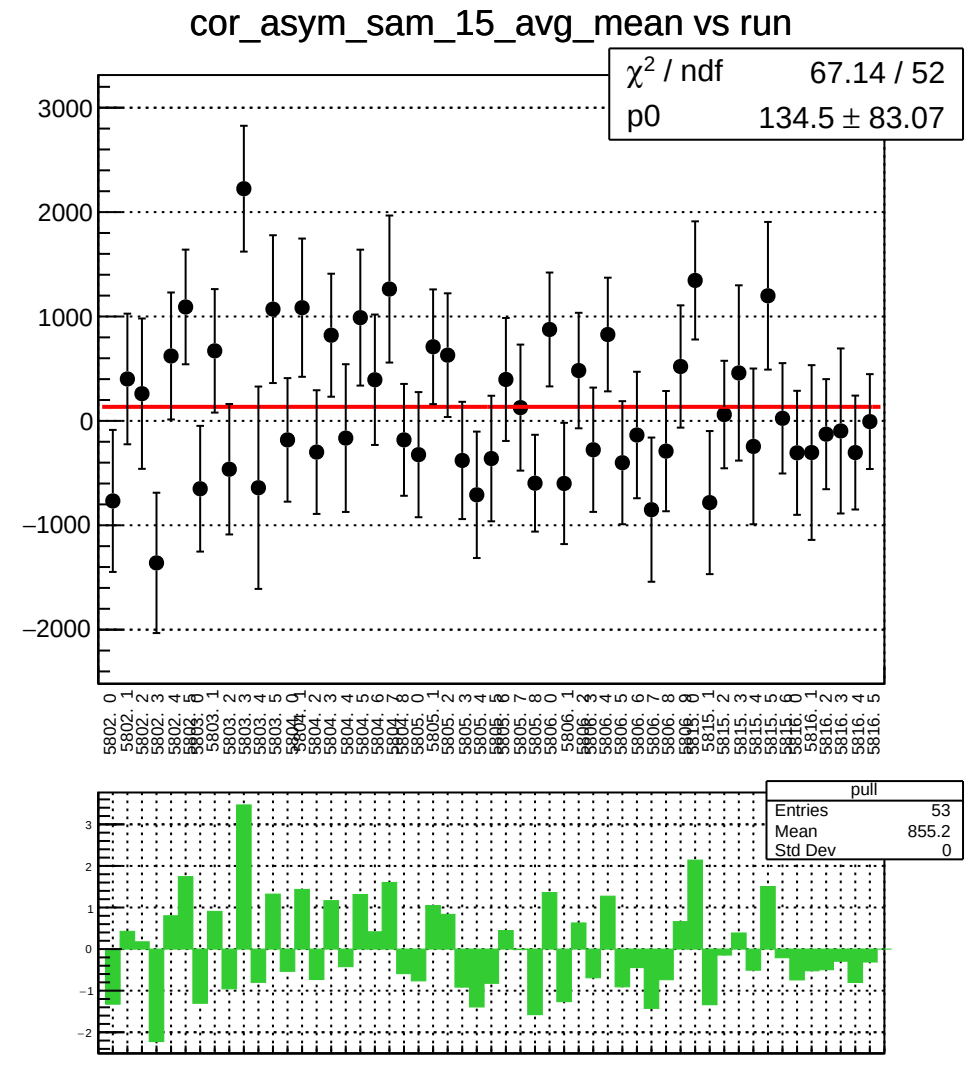

pull1D
Entries 53
Mean −0.002866
Std Dev 1.126

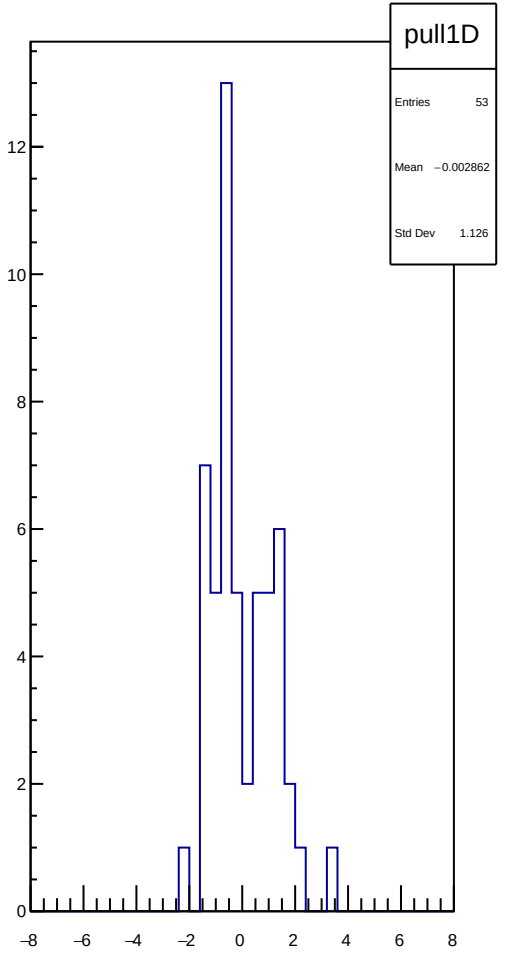

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.265e+04 / 52
p0 58.41 ± 0.05874
90
80
70
60
50

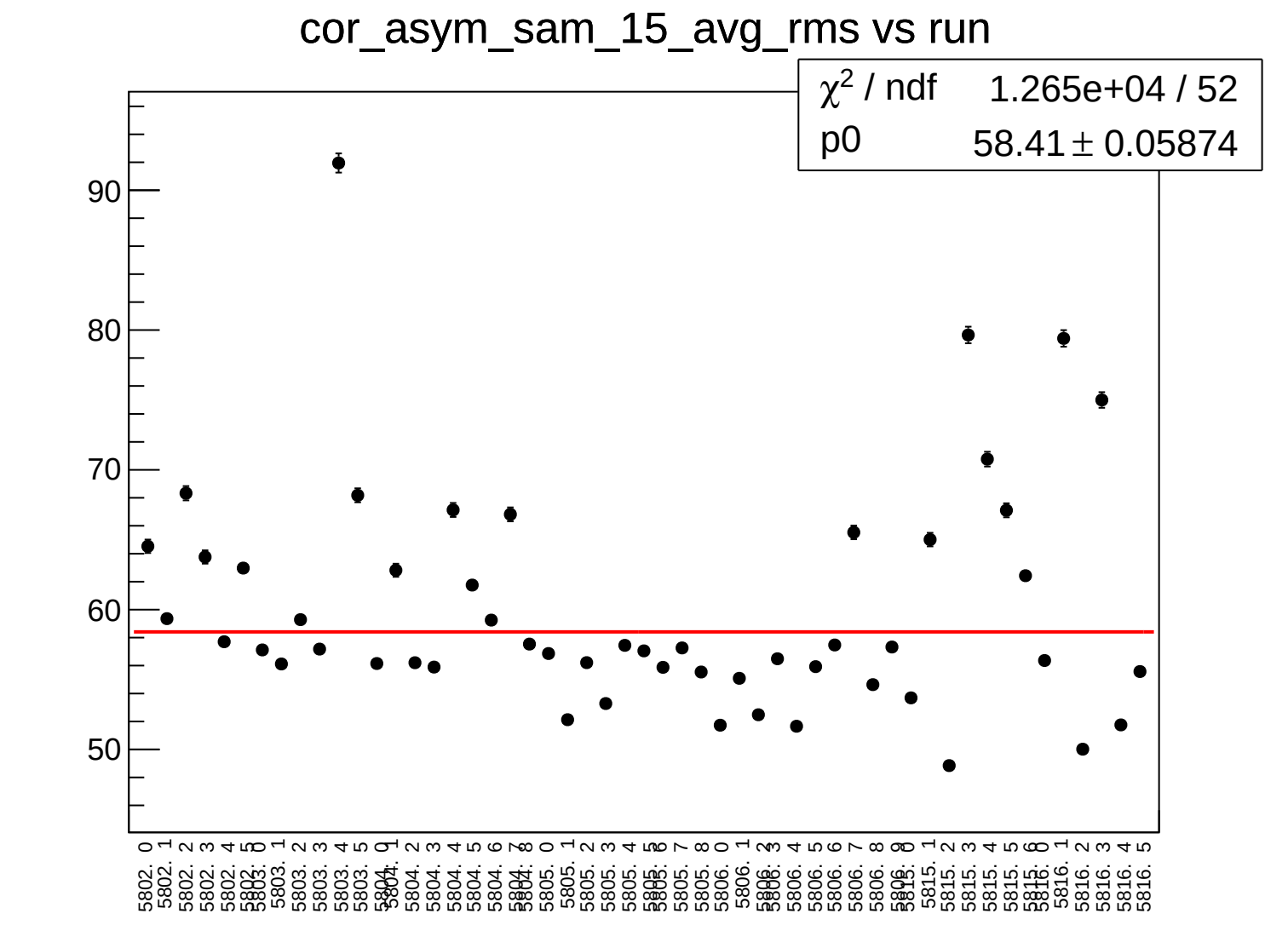

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 48.05 / 52
p0 20.95 ± 188.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 319.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

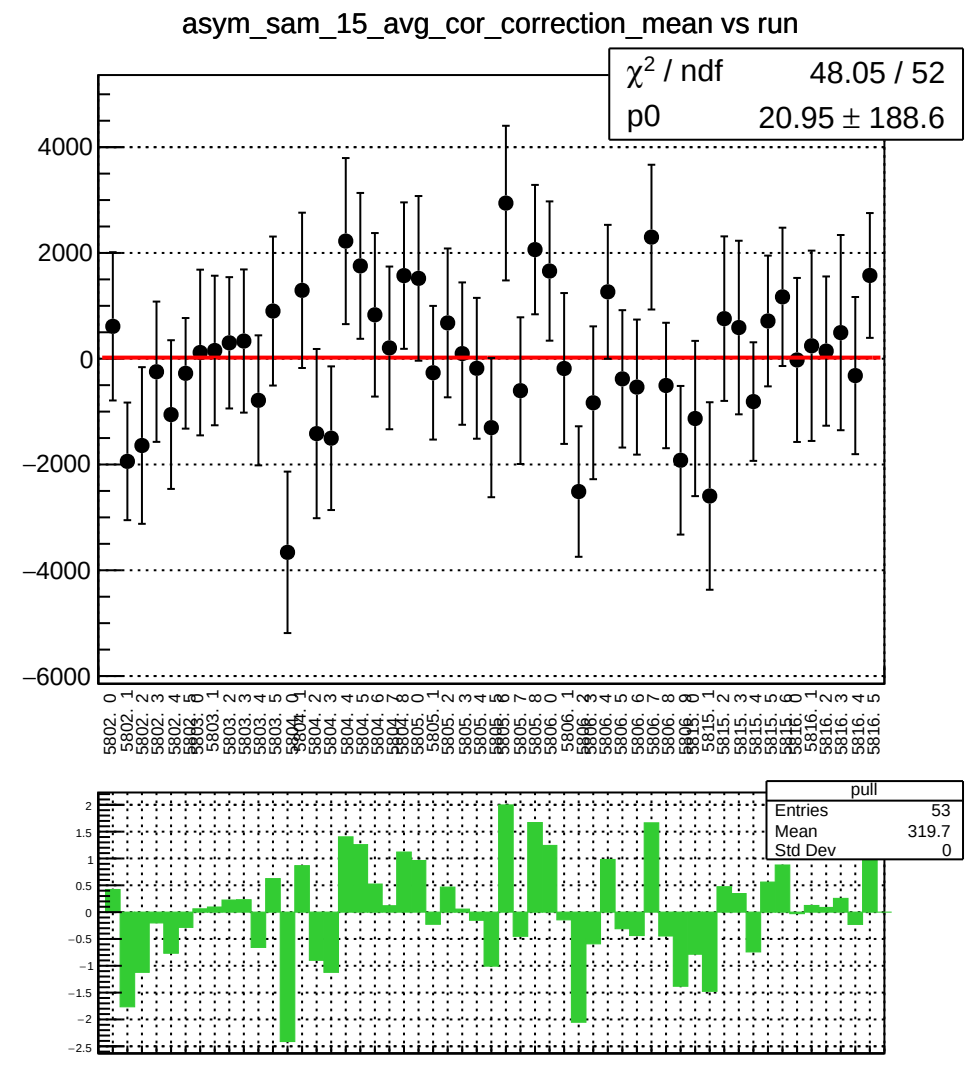

pull1D
Entries 53
Mean 0.006726
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

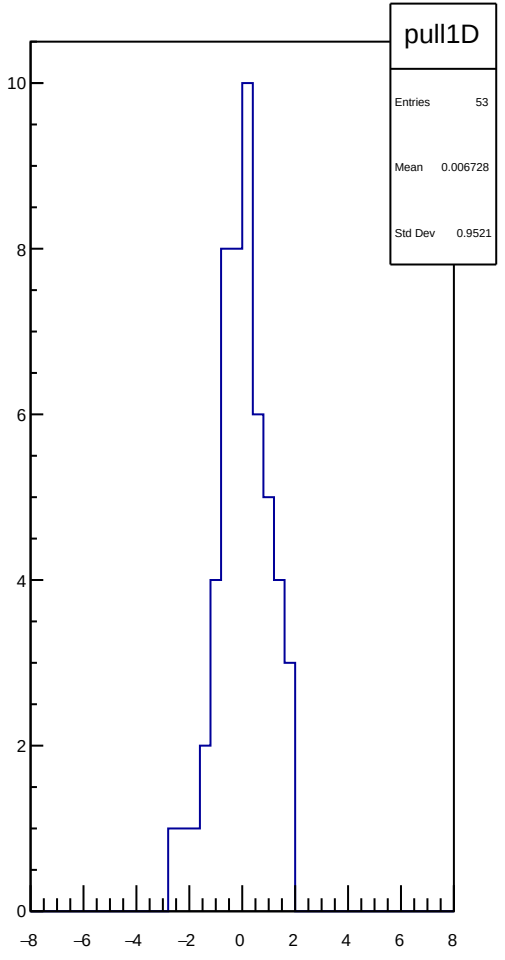

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.182e+04 / 52
p0 132.7 ± 0.1333
180
170
160
150
140
130
120
110
100


cor_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 52
p0 134.5 ± 83.07
pull
Entries 53
Mean 855.2
Std Dev 0


pull1D
Entries 53
Mean −0.002862
Std Dev 1.126


cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.265e+04 / 52
p0 58.41 ± 0.05874
90
80
70
60
50


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 48.05 / 52
p0 20.95 ± 188.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 319.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean 0.006728
Std Dev 0.9521
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8
6
4
2
0
−8
−6
−4
−2
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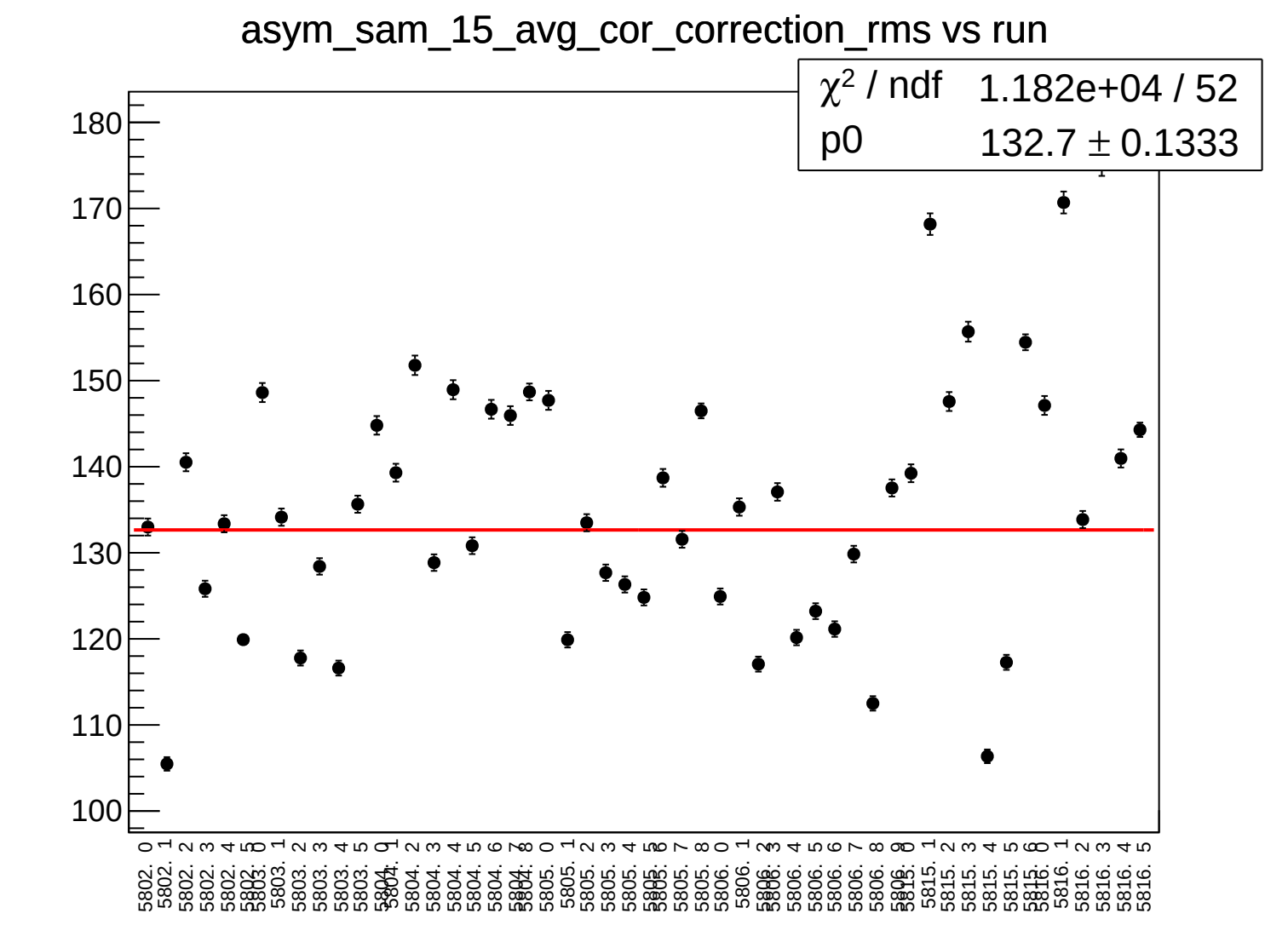
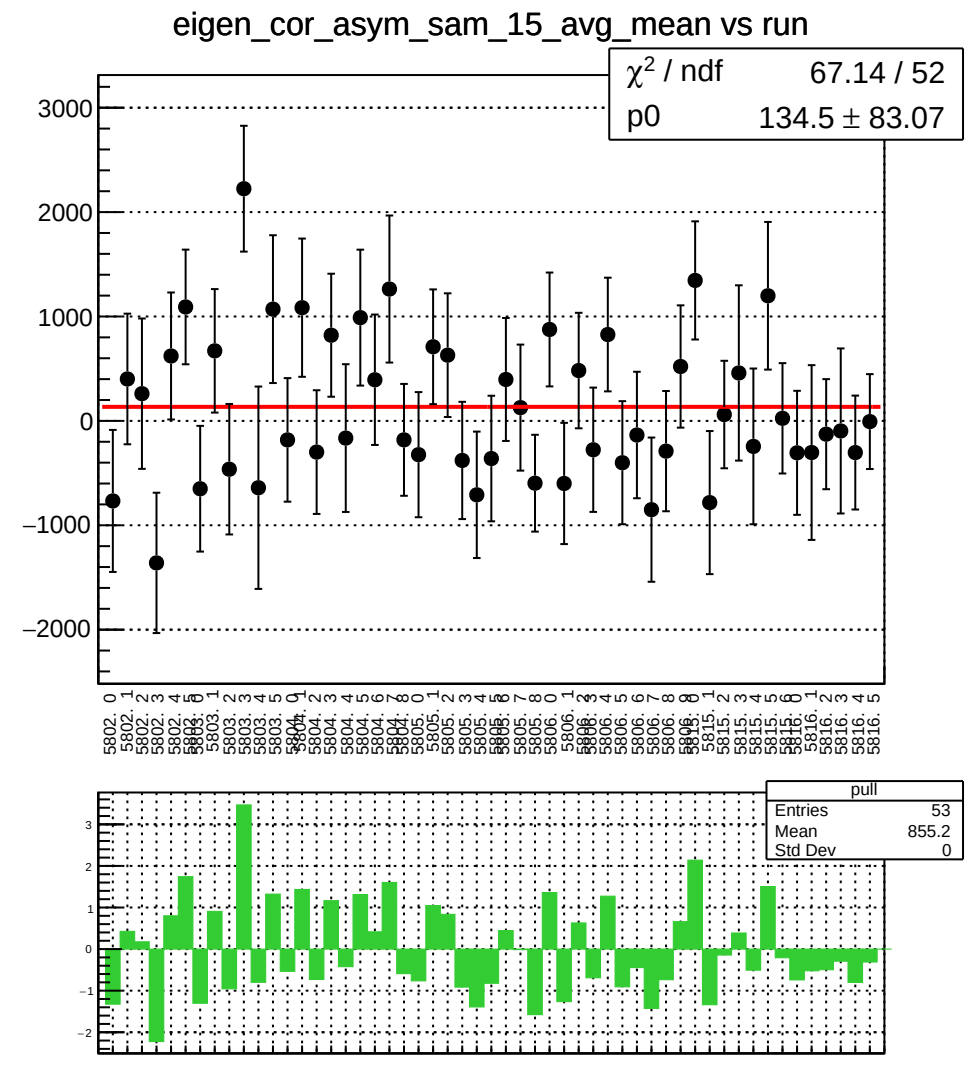
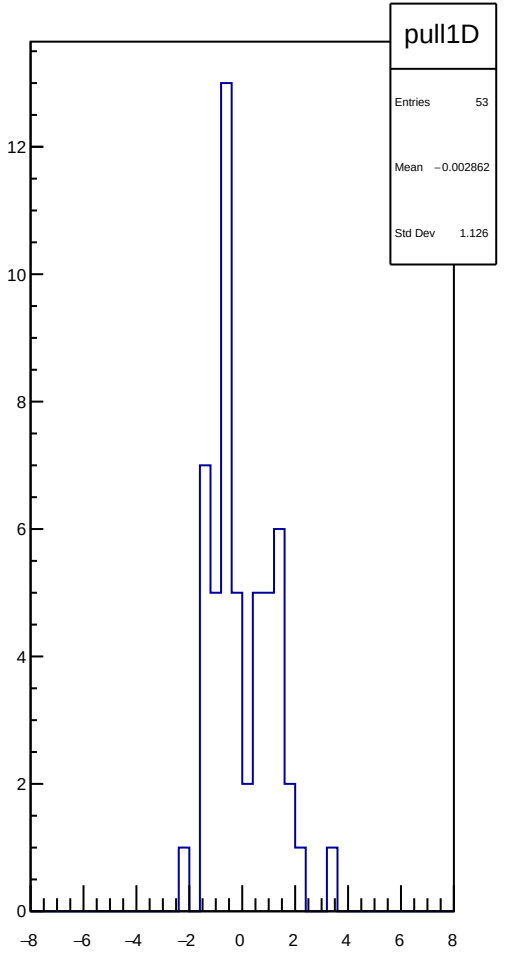
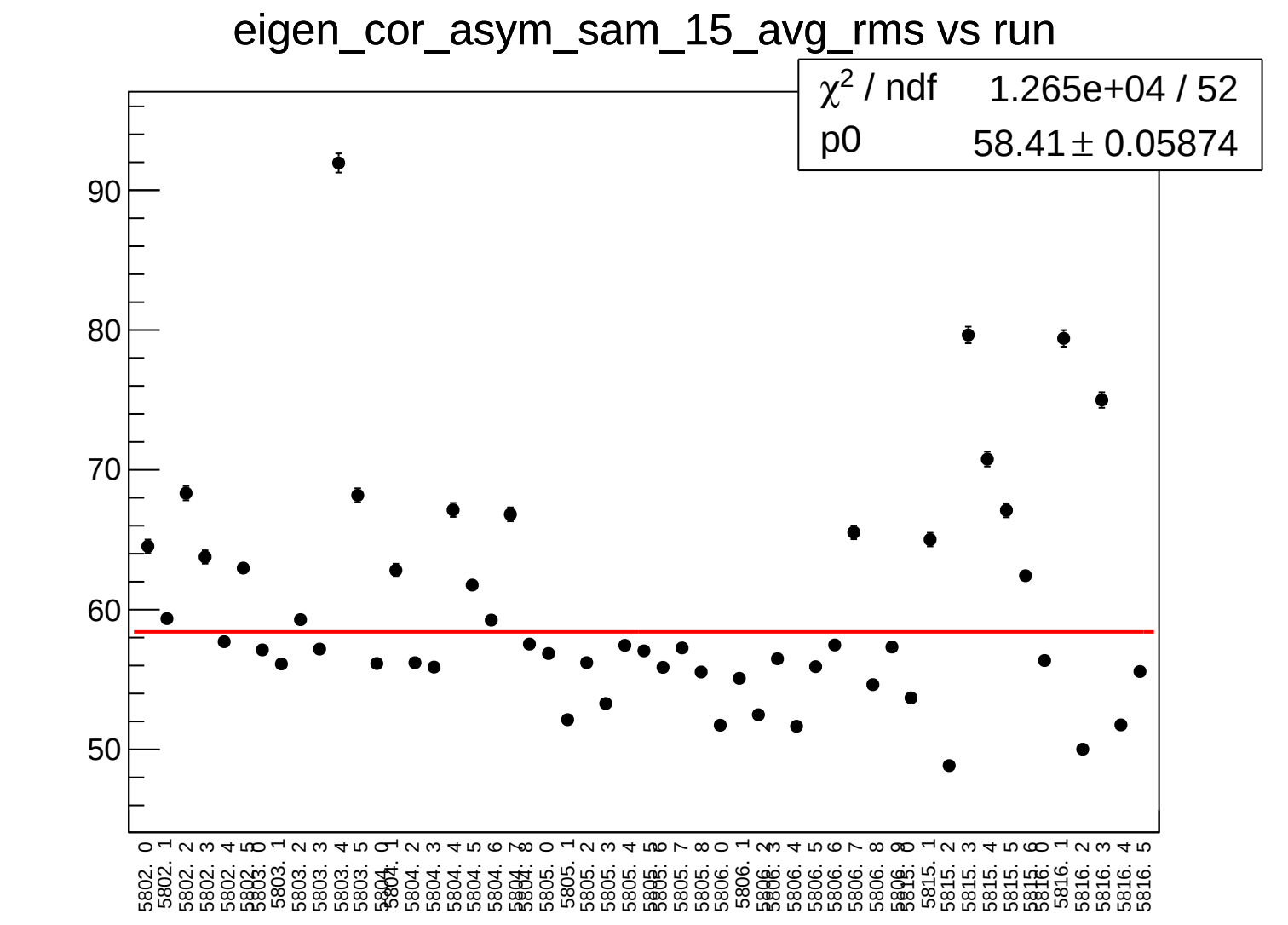
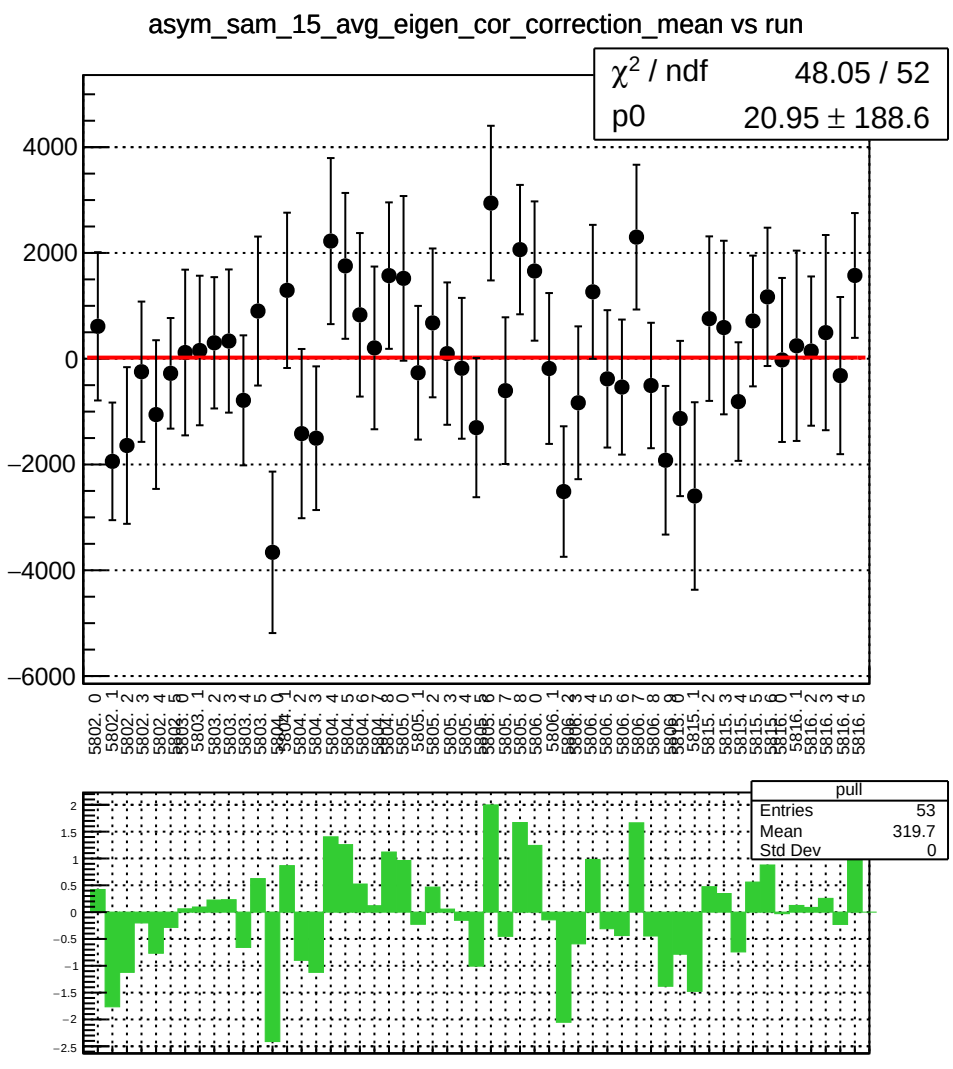
2
4
6
8

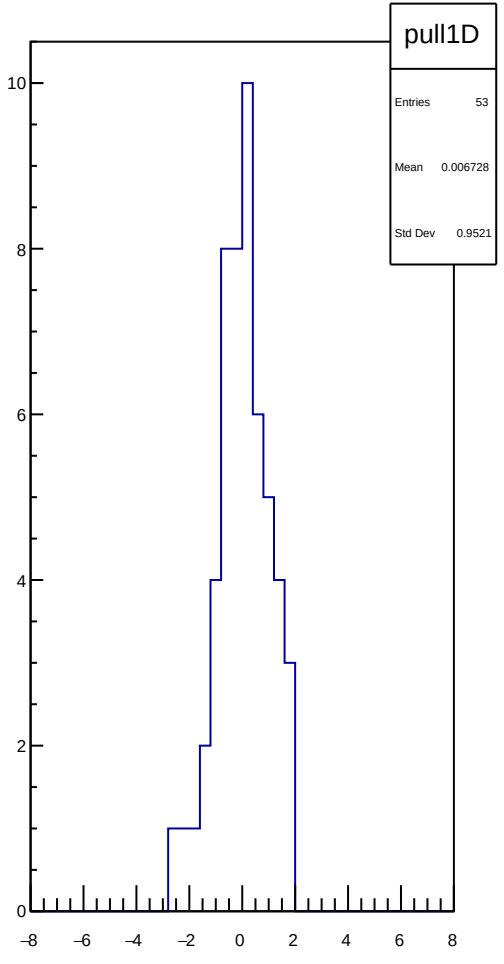

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 1.182e+04 / 52
p0 132.7 ± 0.1333
180
170
160
150
140
130
120
110
100

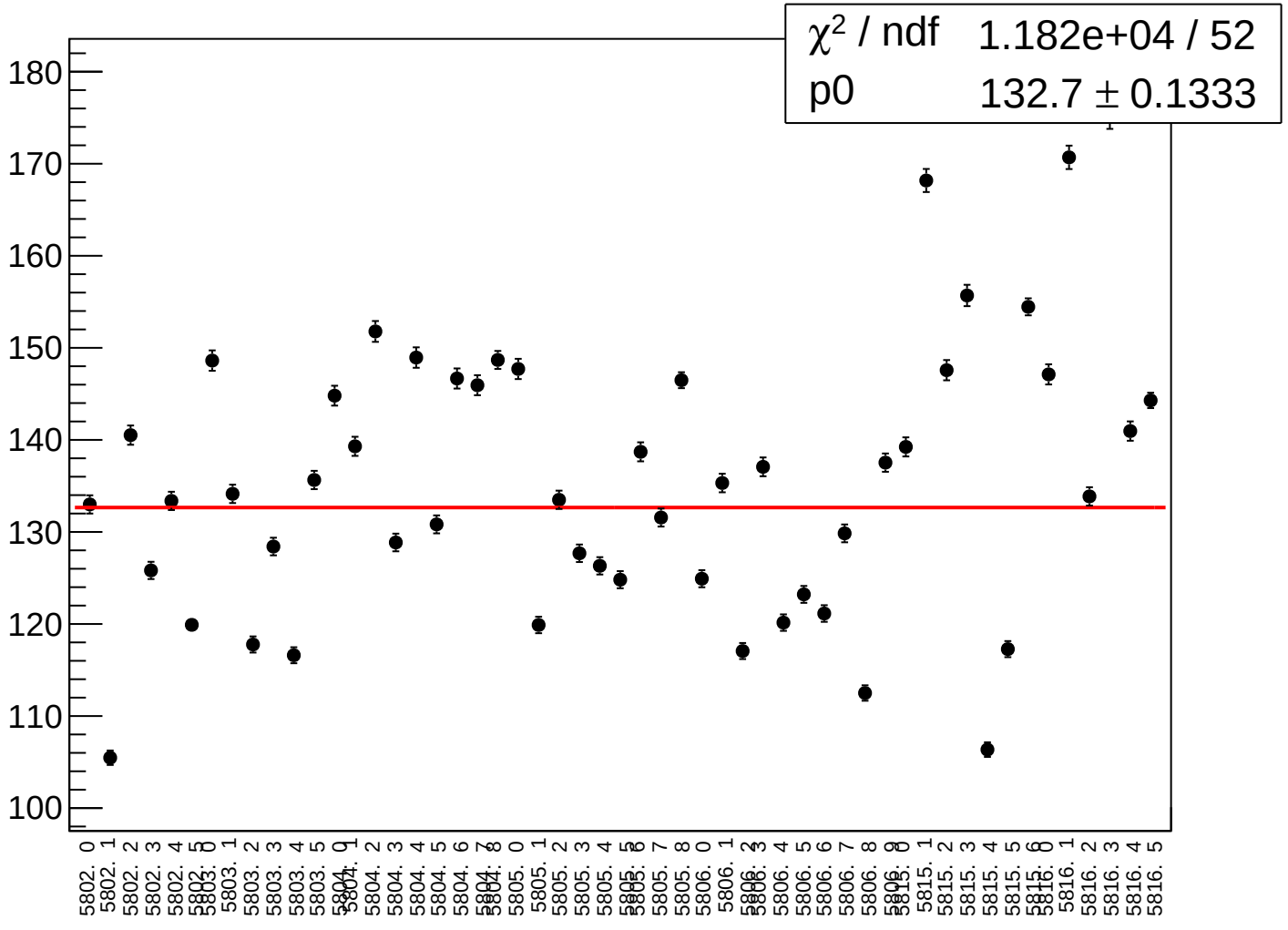

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 52
p0 134.5 ± 83.07
3000
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 855.2
Std Dev 0
3
2
1
0
−1
−2

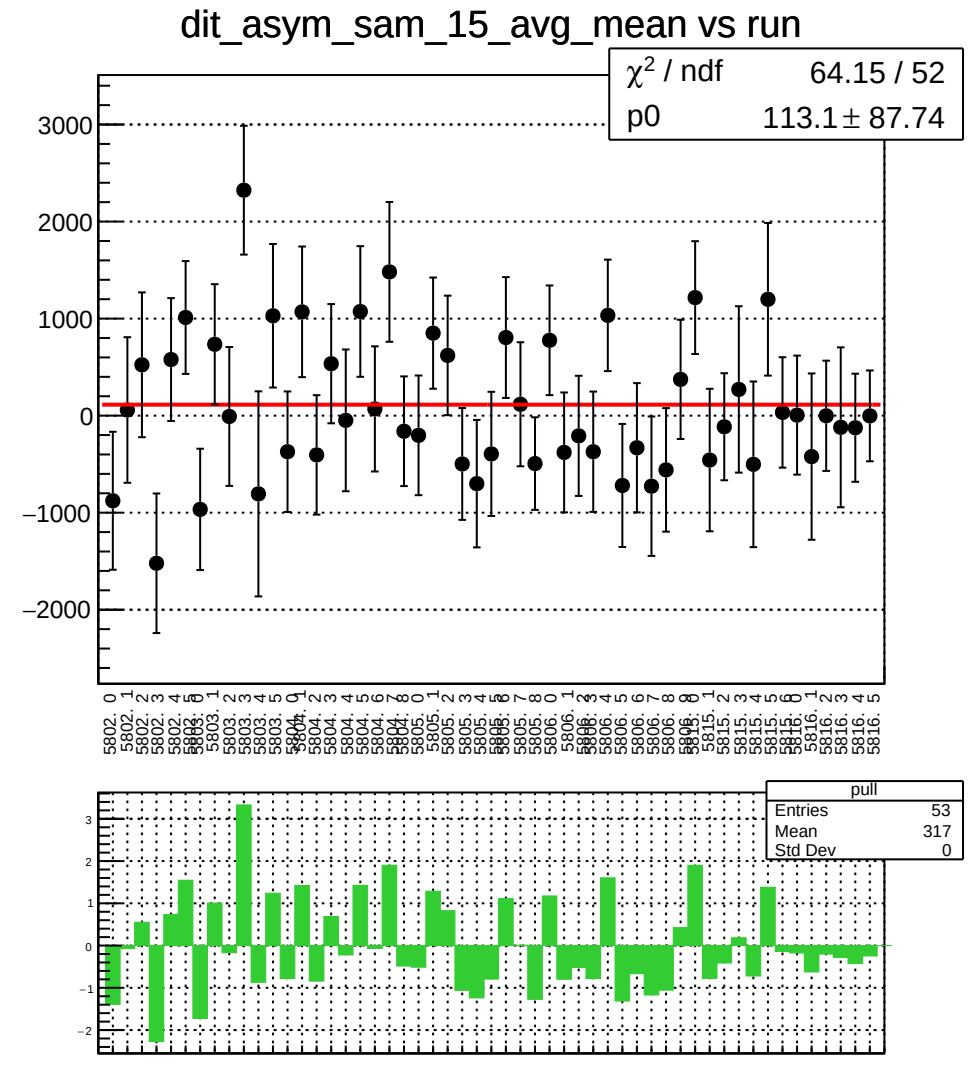

pull1D
Entries 53
Mean −0.002862
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

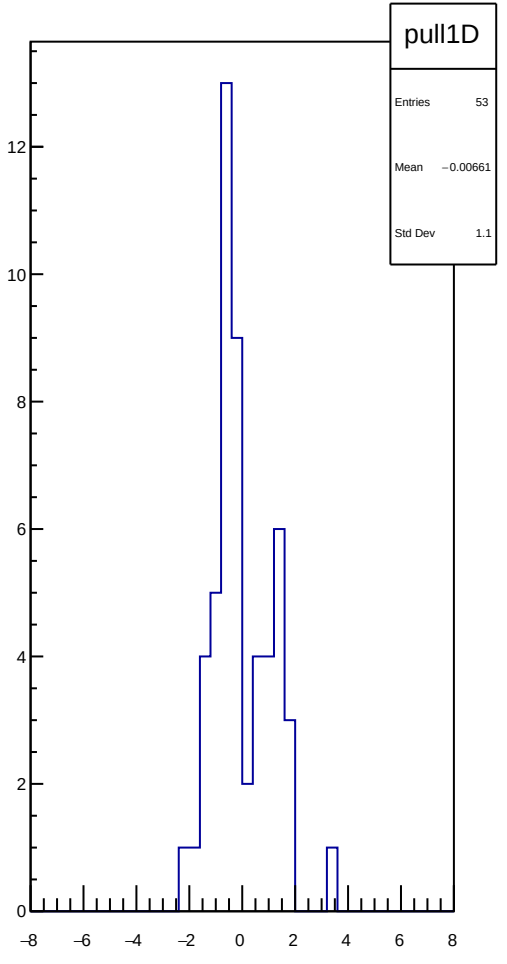

eigen_cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.265e+04 / 52
p0 58.41 ± 0.05874
90
80
70
60
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

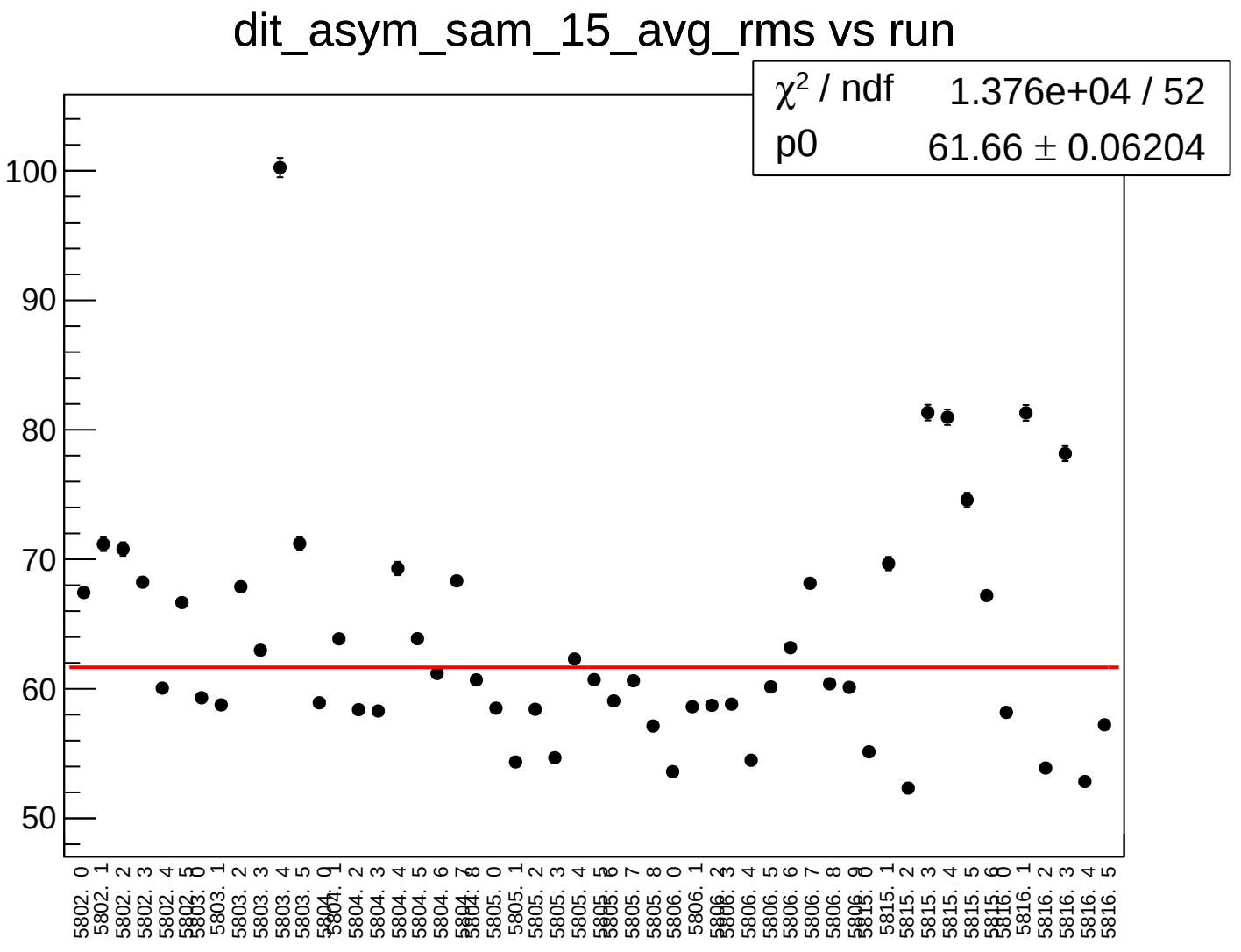

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.05 / 52
p0 20.95 ± 188.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 319.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

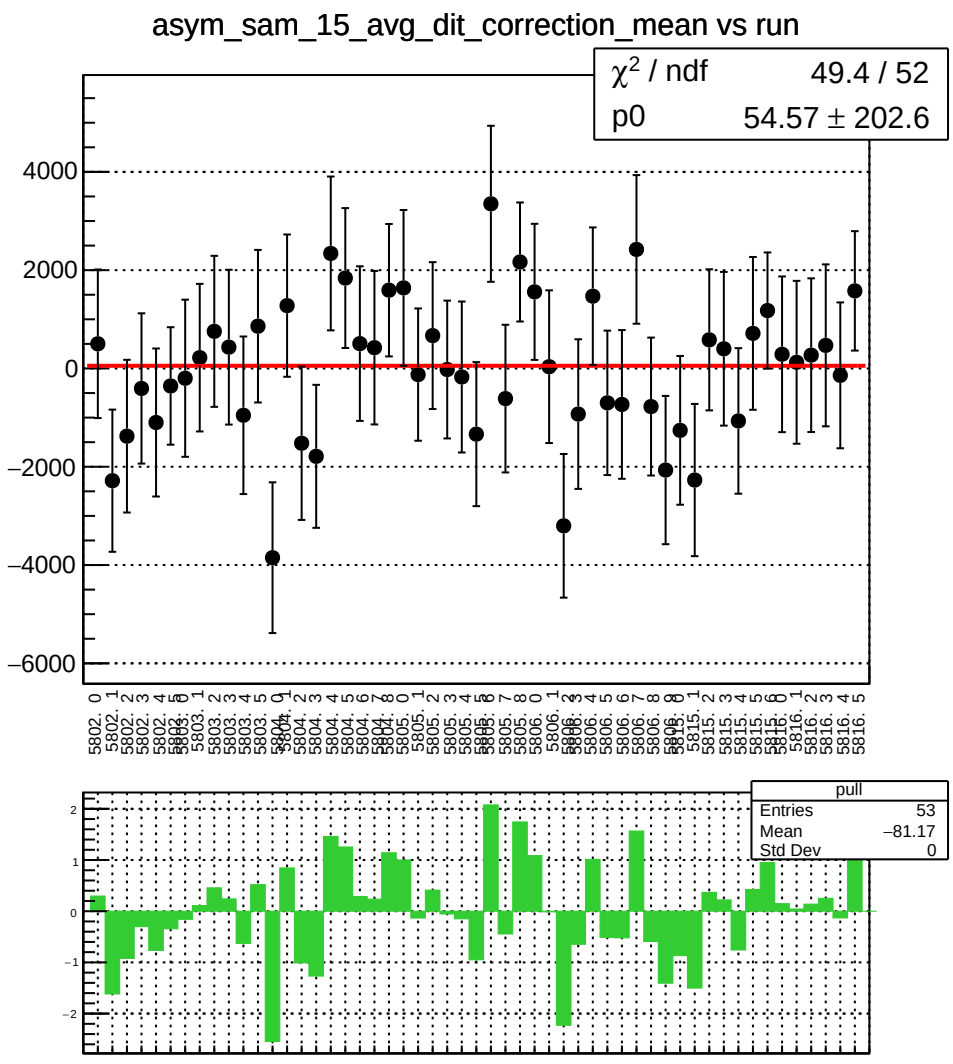

pull1D
Entries 53
Mean 0.006728
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

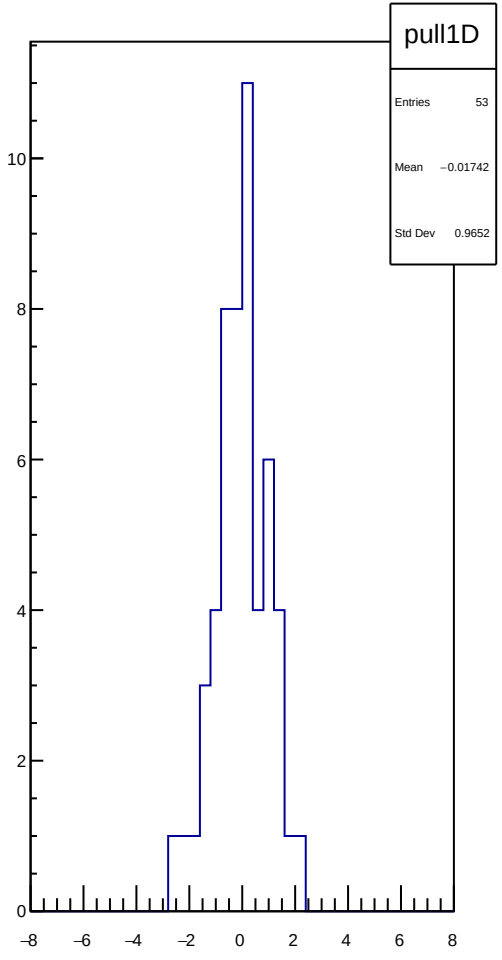

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.182e+04 / 52
p0 132.7 ± 0.1333
180
170
160
150
140
130
120
110
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

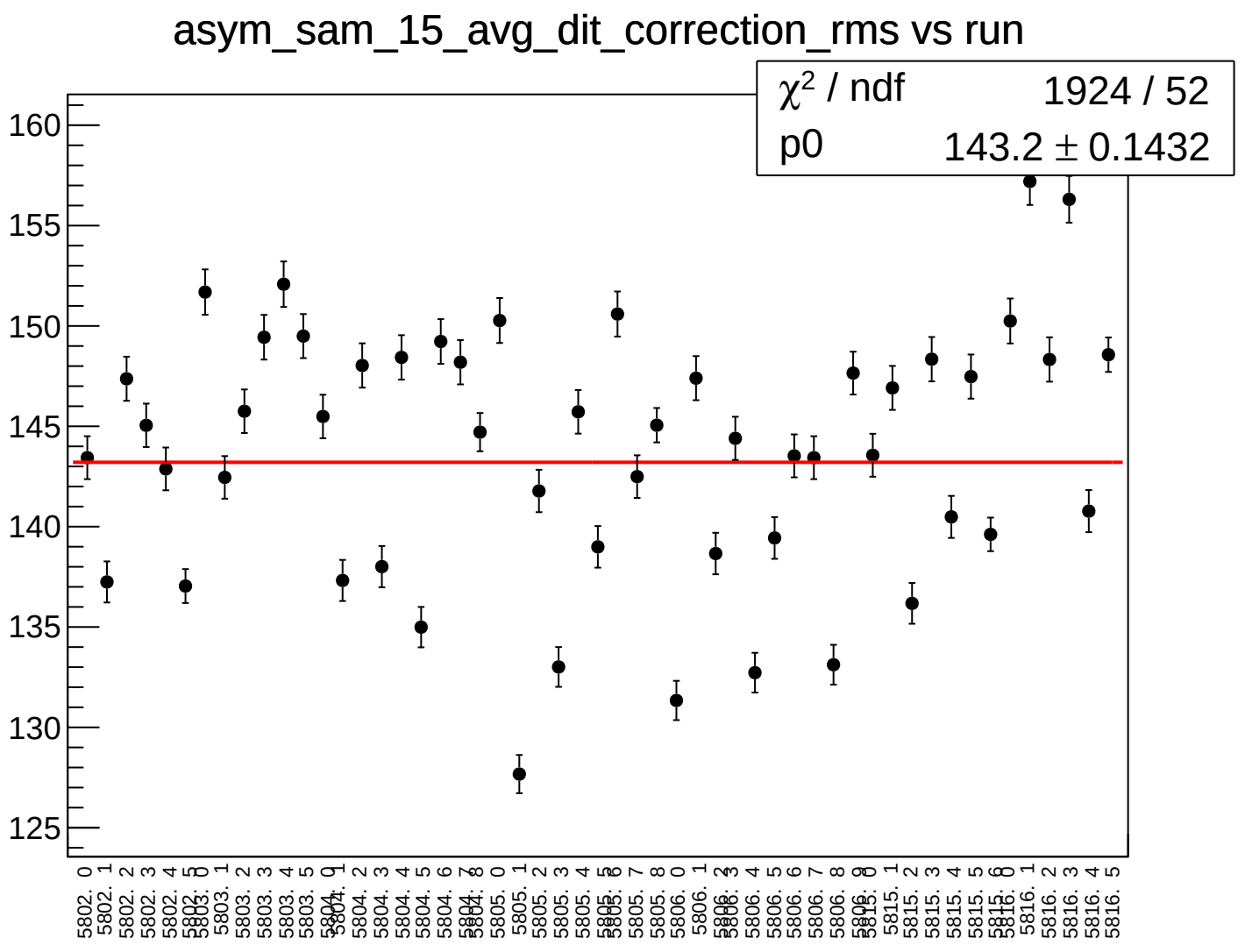

dit_asym_sam_15_avg_mean vs run
χ² / ndf 64.15 / 52
p0 113.1 ± 87.74
3000
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 317
Std Dev 0
3
2
1
0
−1
−2

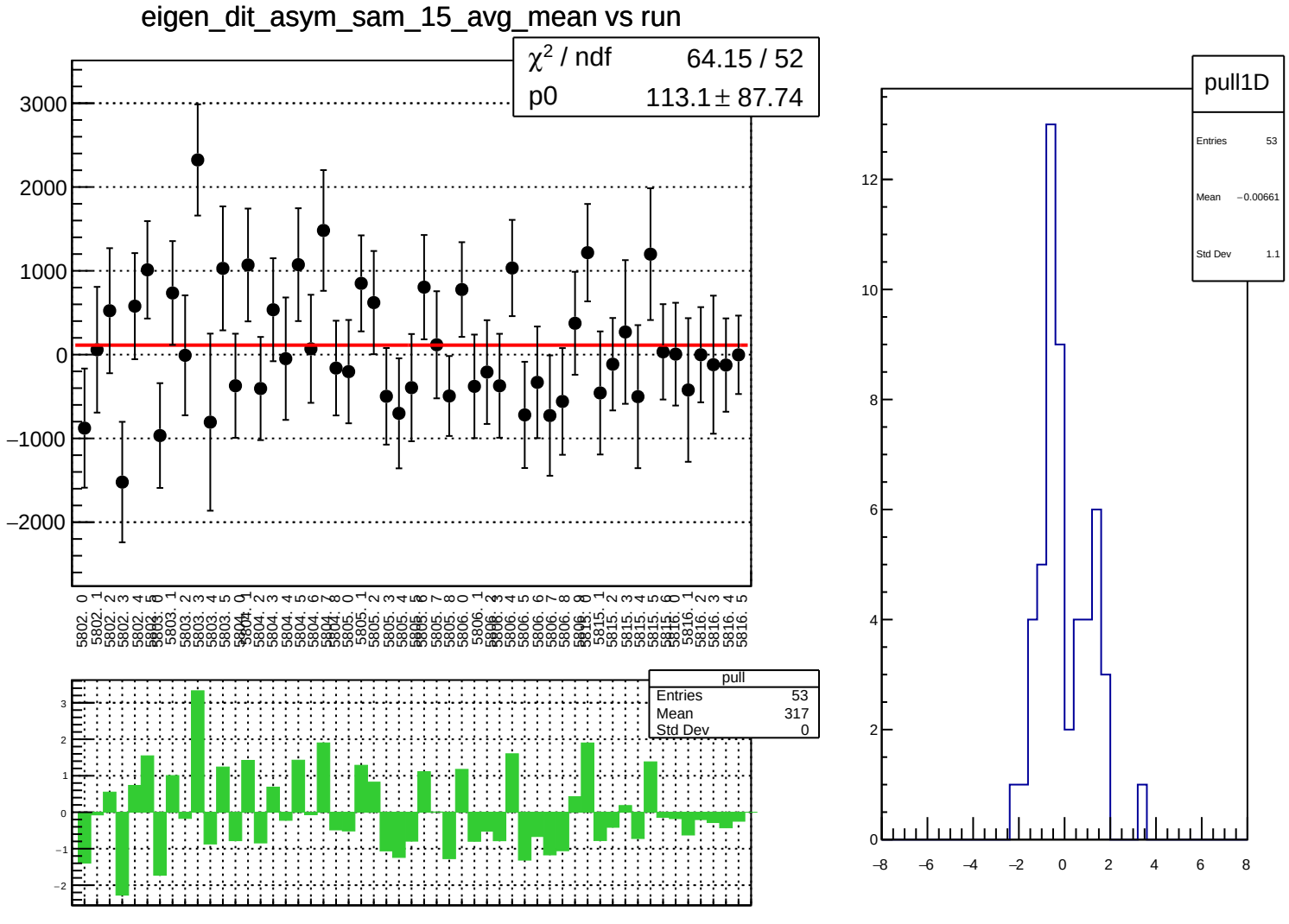

pull1D
Entries 53
Mean −0.00661
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

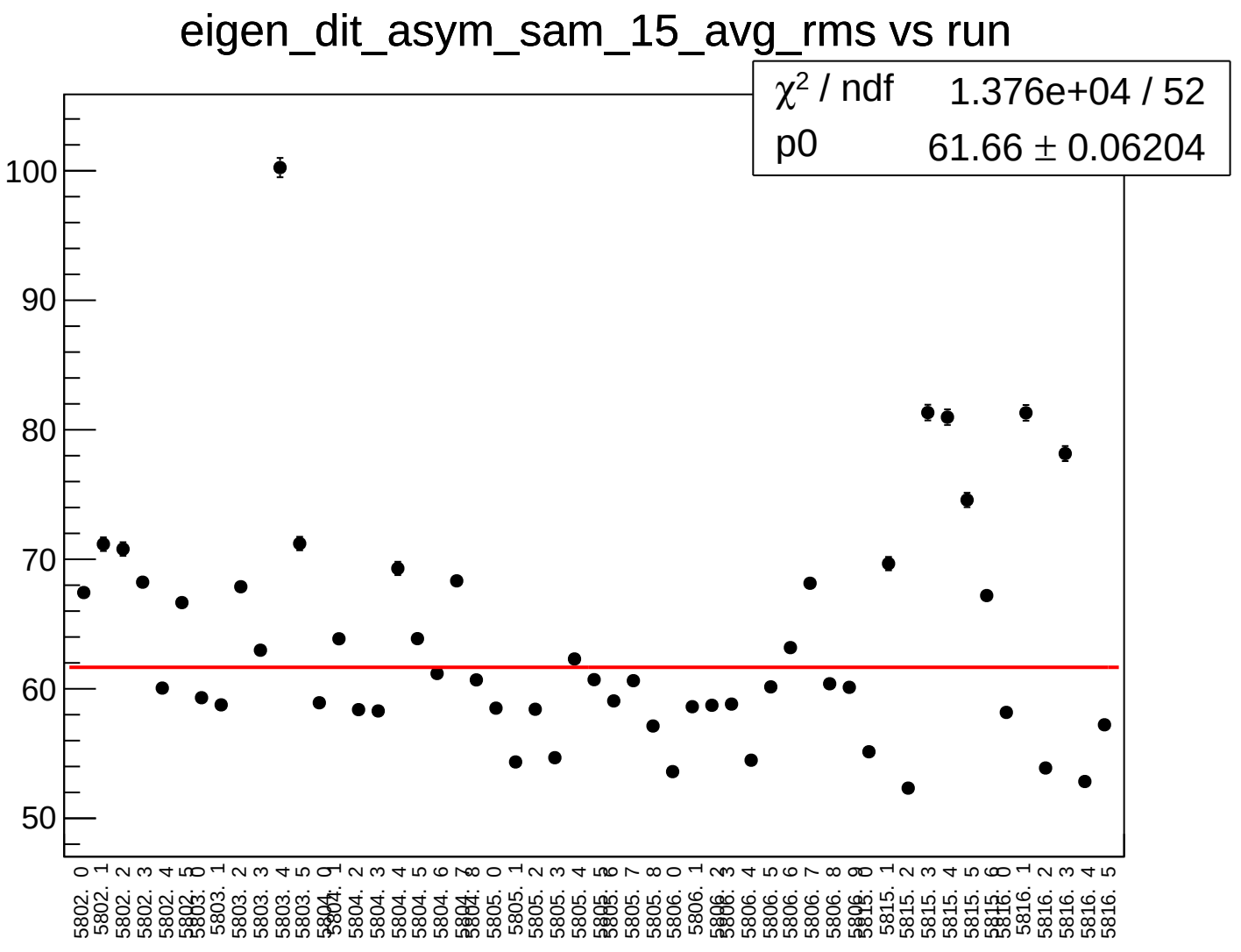

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.376e+04 / 52
p0 61.66 ± 0.06204
100
90
80
70
60
50

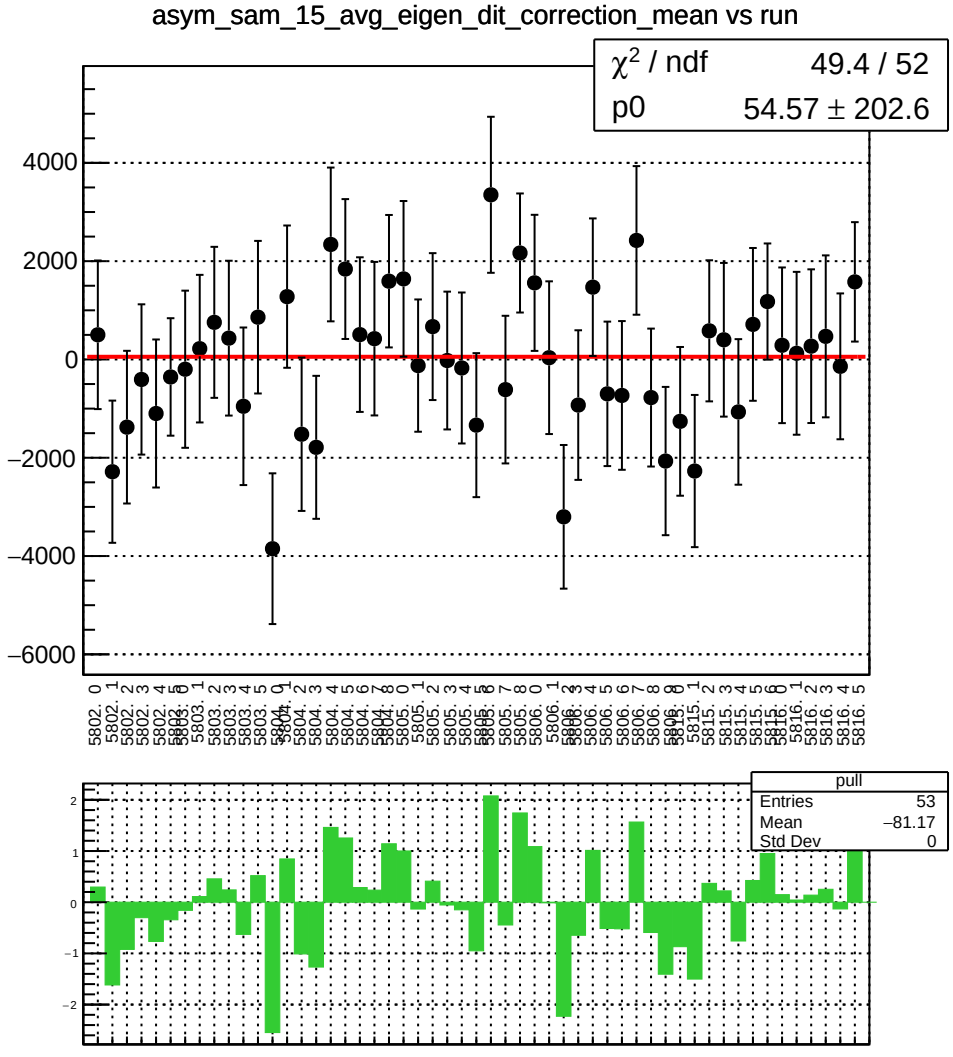

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 49.4 / 52
p0 54.57 ± 202.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −81.17
Std Dev 0
2
1
0
−1
−2

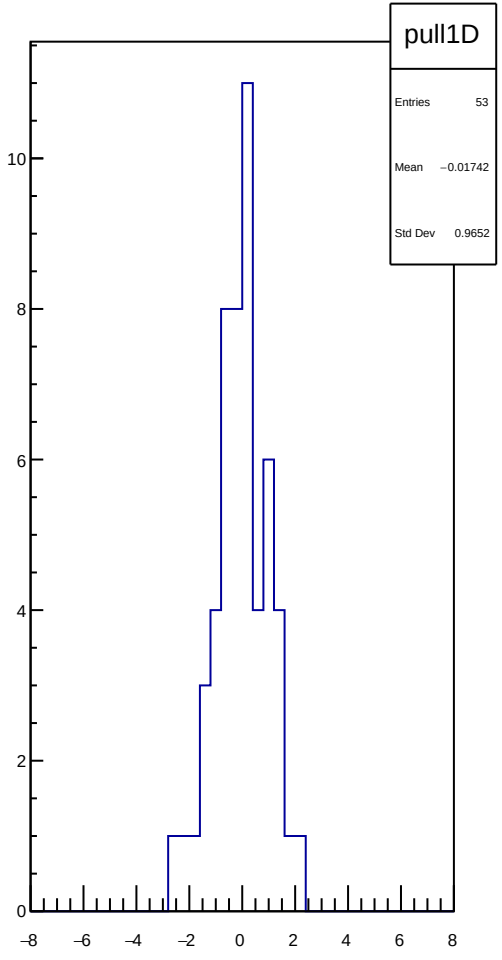

pull1D
Entries 53
Mean −0.01742
Std Dev 0.9652
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

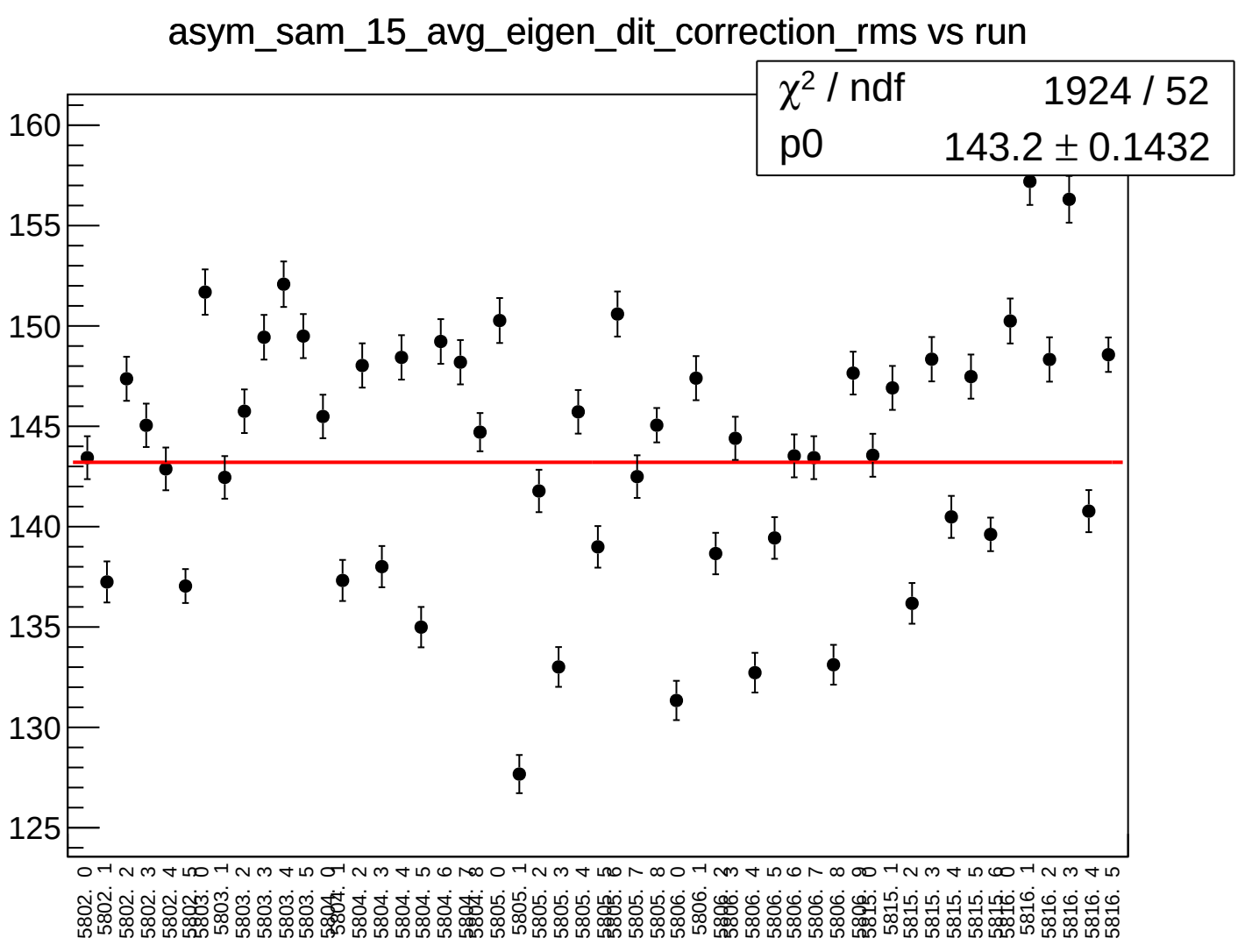

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1924 / 52
p0 143.2 ± 0.1432
160
155
150
145
140
135
130
125

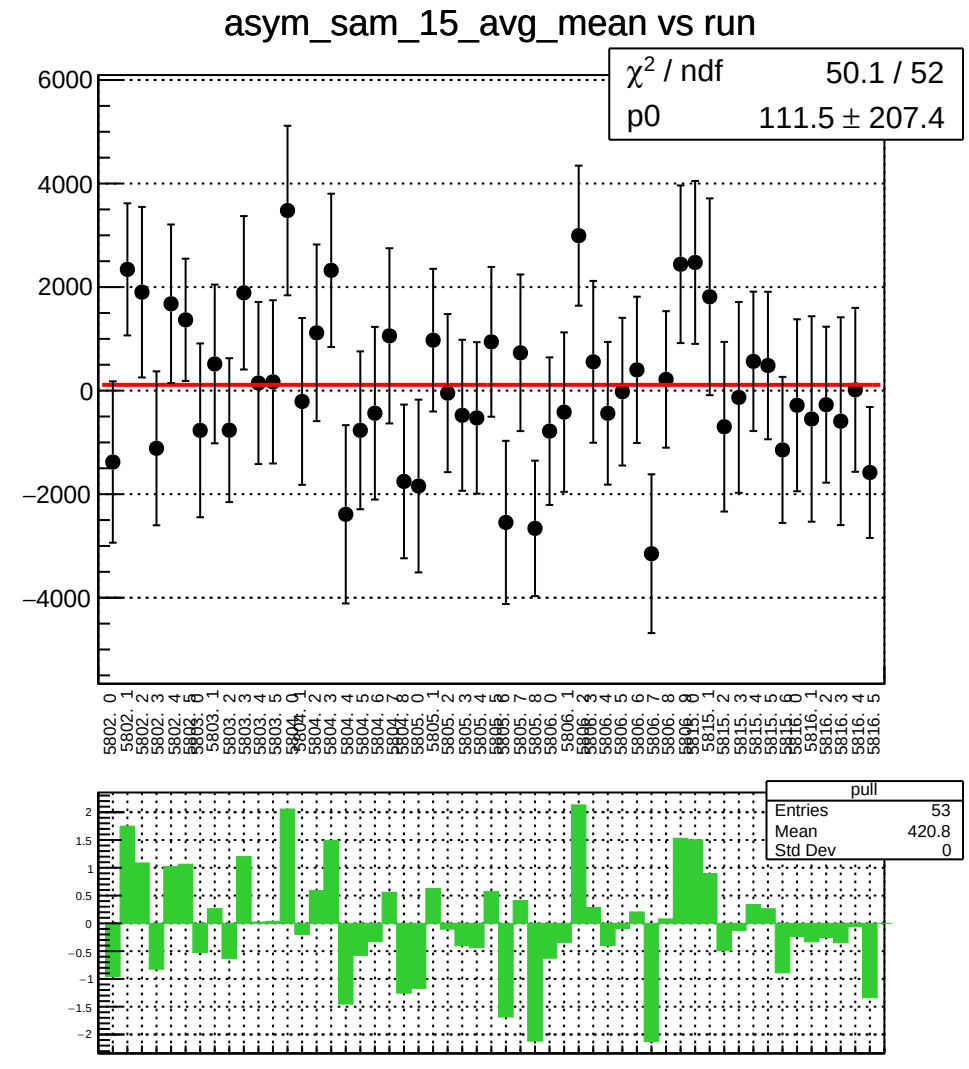

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 64.15 / 52
p0 113.1 ± 87.74
3000
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 317
Std Dev 0
pull1D
Entries 53
Mean −0.00661
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

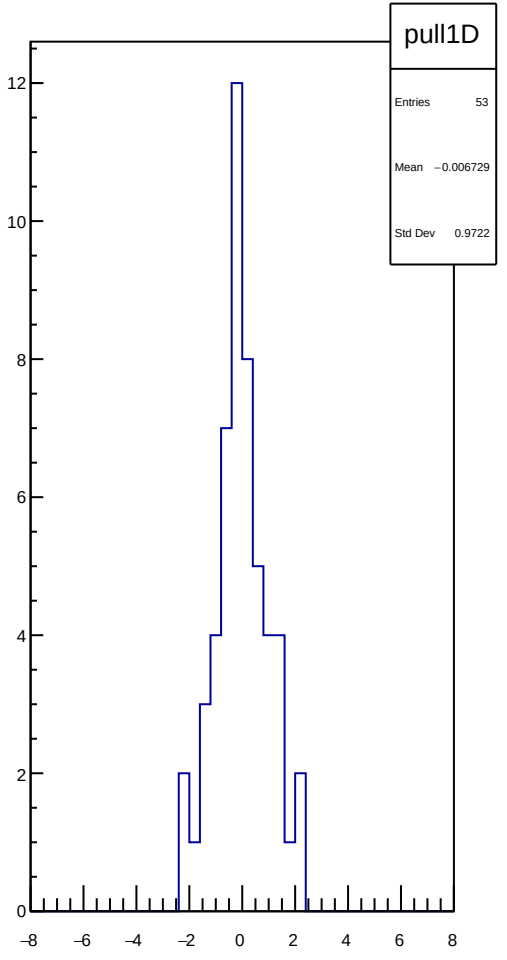

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.376e+04 / 52
p0 61.66 ± 0.06204
100
90
80
70
60
50

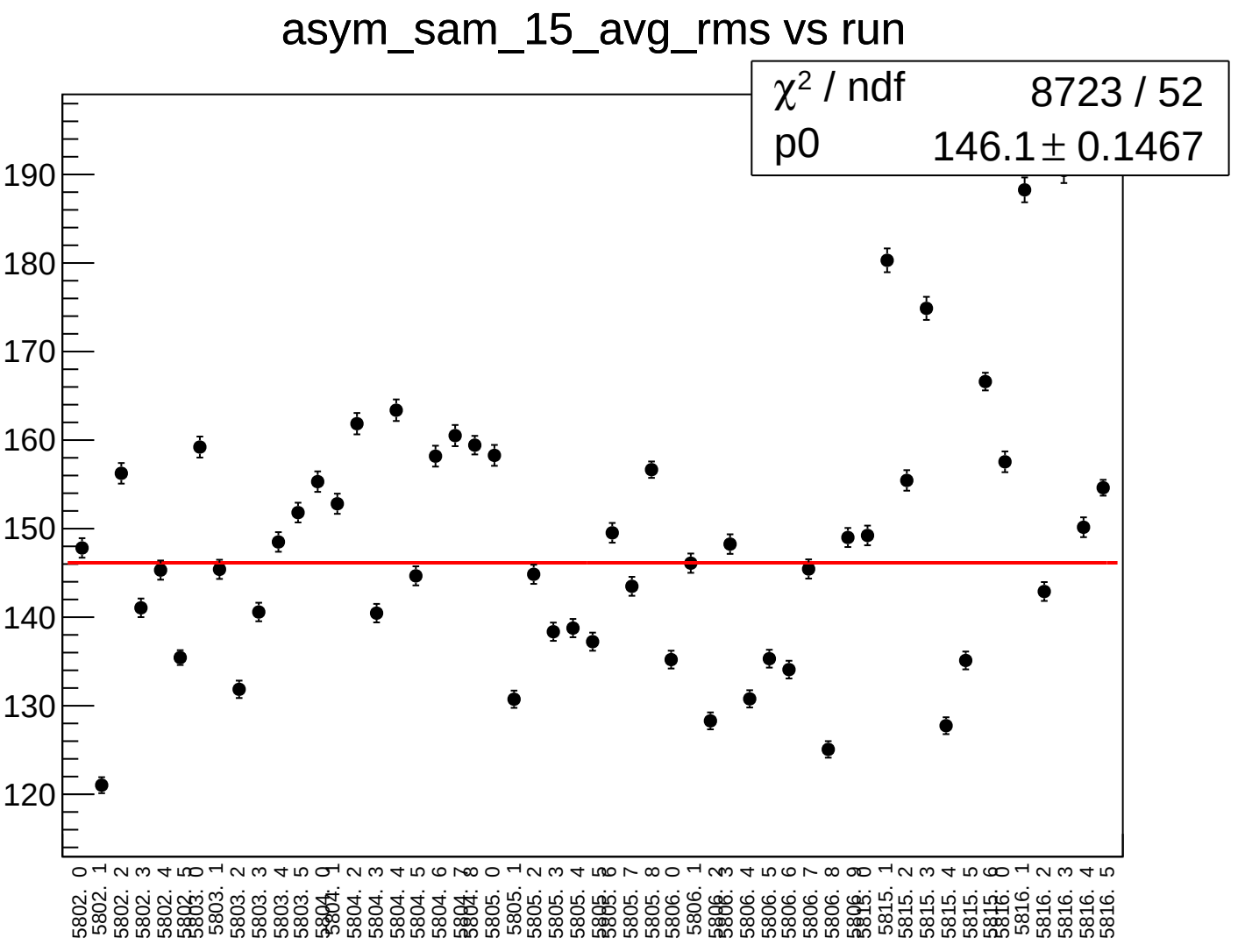

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.4 / 52
p0 54.57 ± 202.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −81.17
Std Dev 0
2
1
0
−1
−2

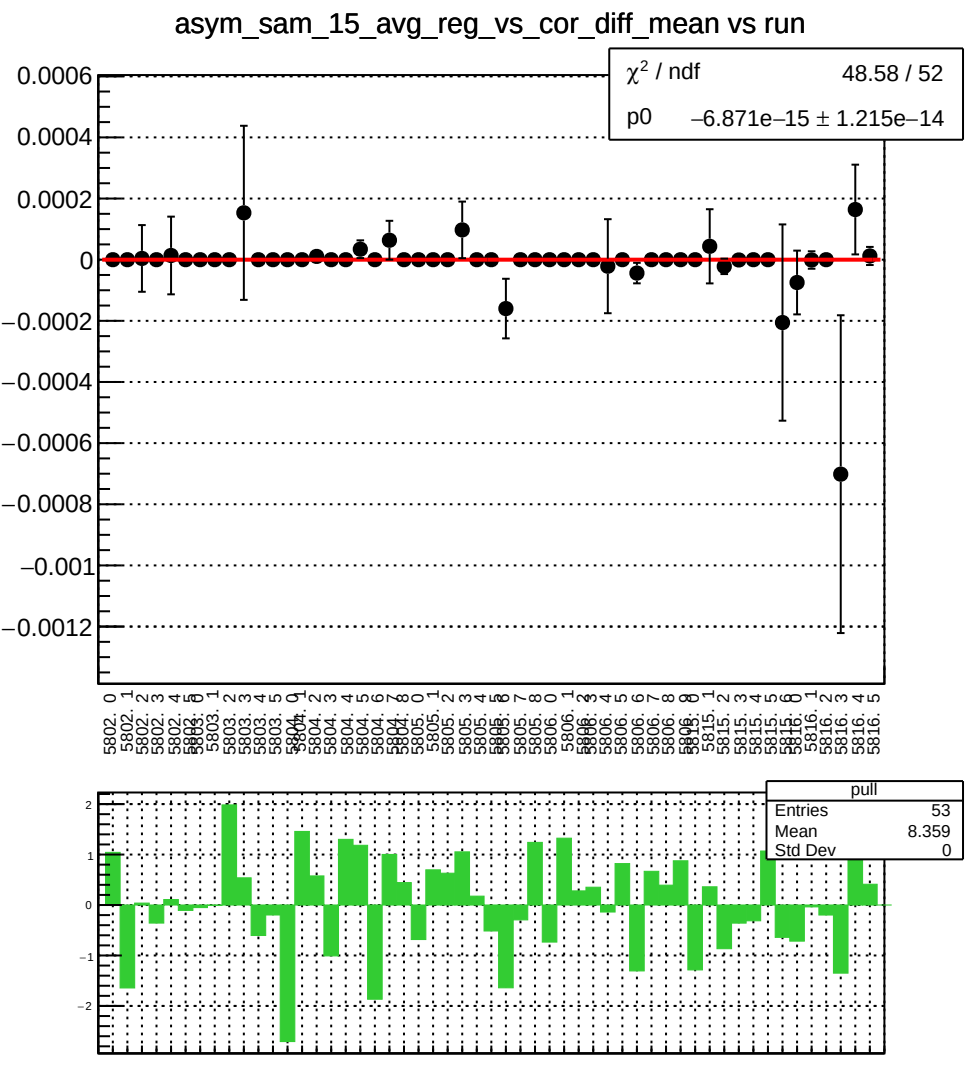

pull1D
Entries 53
Mean −0.01742
Std Dev 0.9652
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

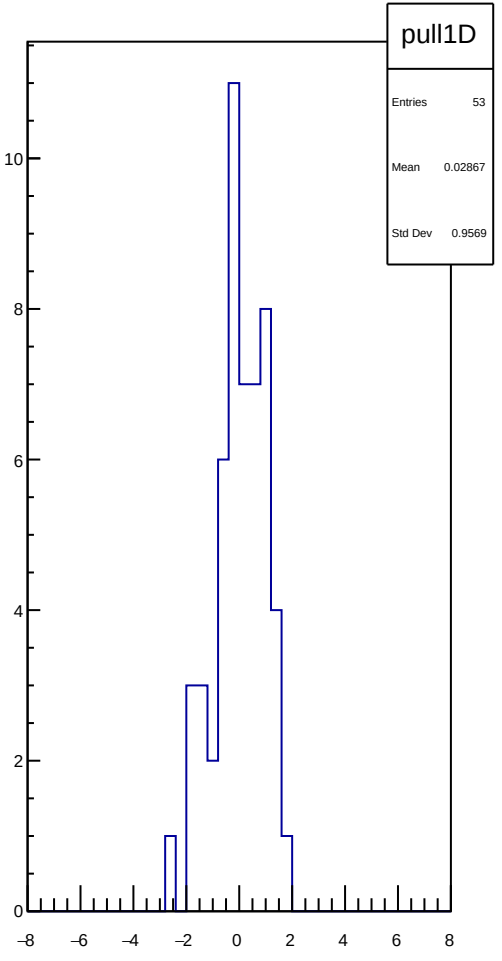

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1924 / 52
p0 143.2 ± 0.1432
160
155
150
145
140
135
130
125

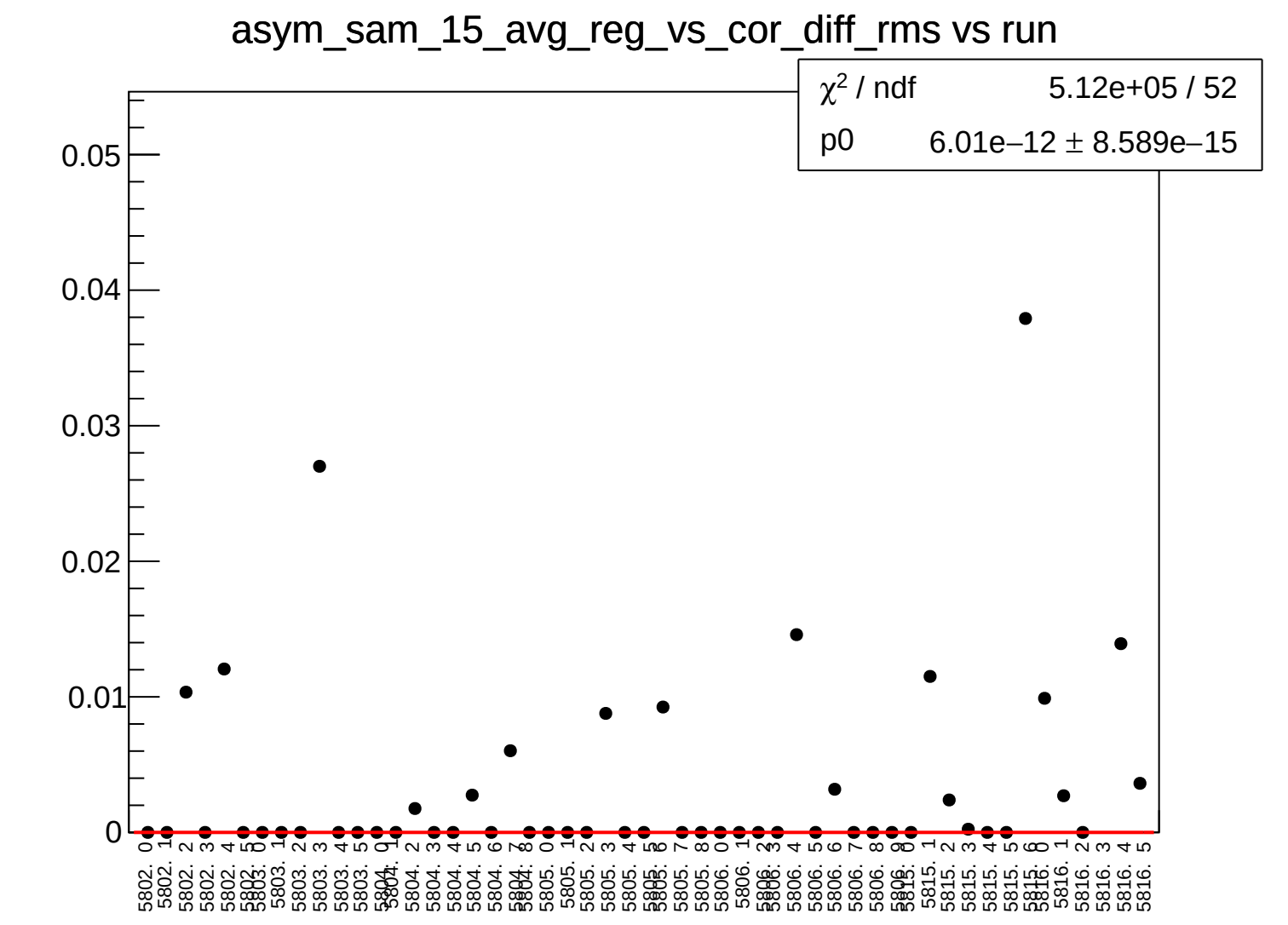

asym_sam_15_avg_mean vs run
χ² / ndf 50.1 / 52
p0 111.5 ± 207.4
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 420.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

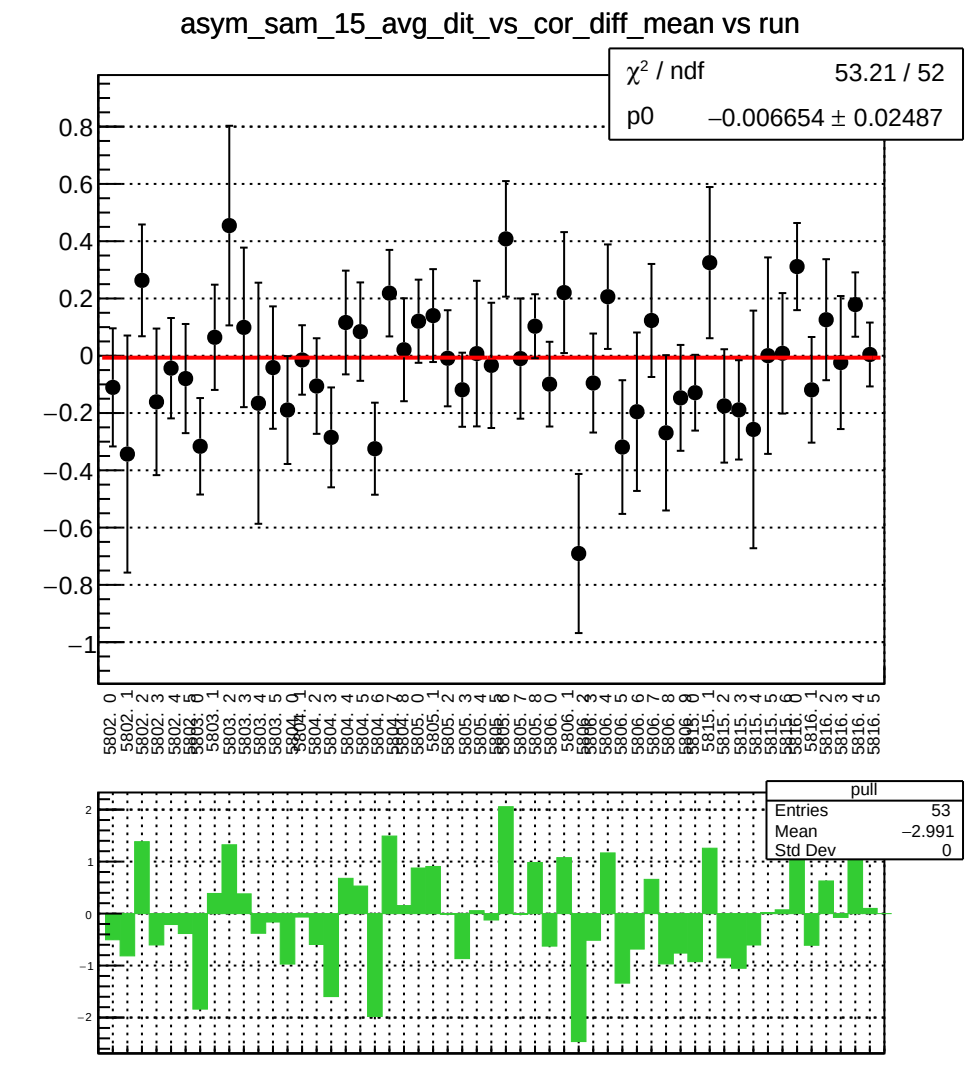

pull1D
Entries 53
Mean −0.006729
Std Dev 0.9722
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

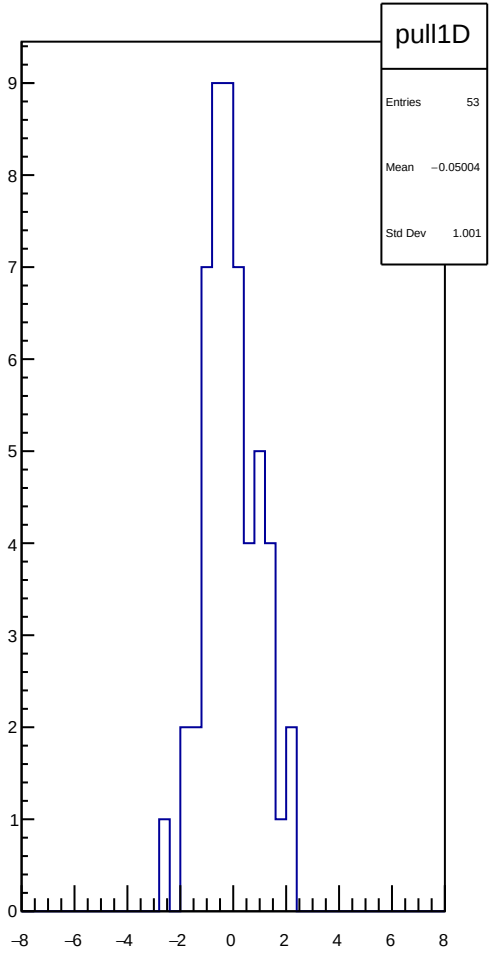

asym_sam_15_avg_rms vs run
χ² / ndf 8723 / 52
p0 146.1 ± 0.1467
190
180
170
160
150
140
130
120

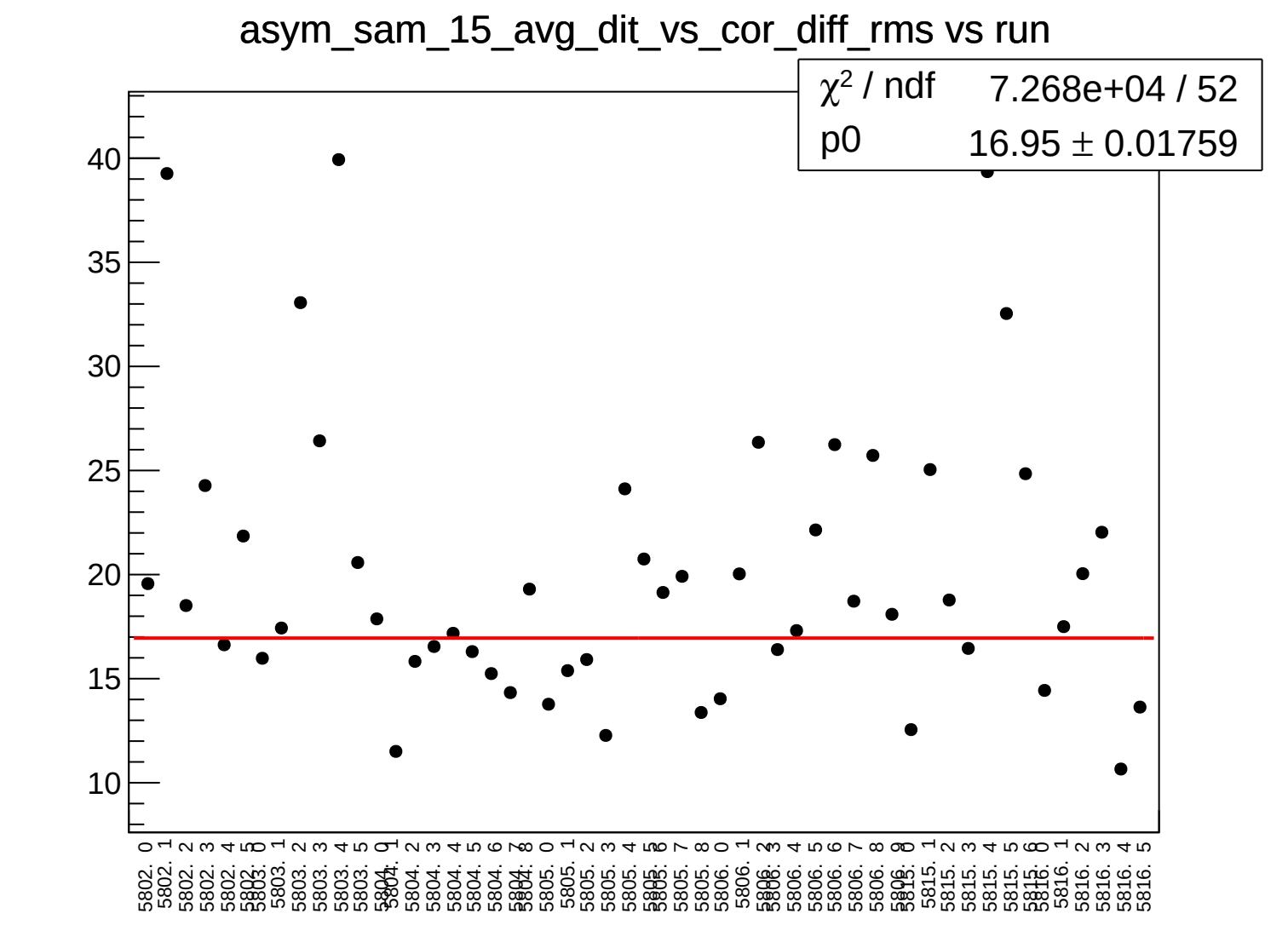

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 52
p0 −6.871e−15 ± 1.215e−14
pull
Entries 53
Mean 8.359
Std Dev 0

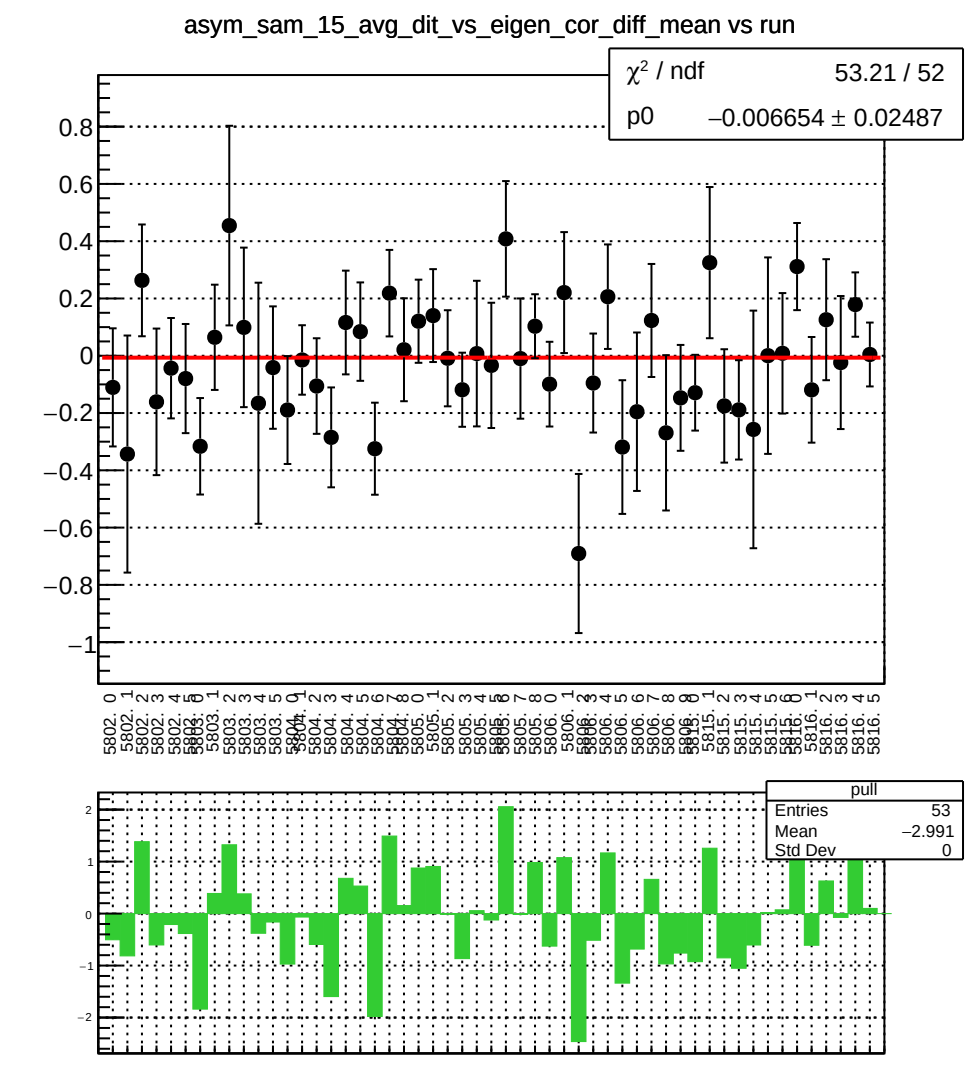

pull1D
Entries 53
Mean 0.02867
Std Dev 0.9569

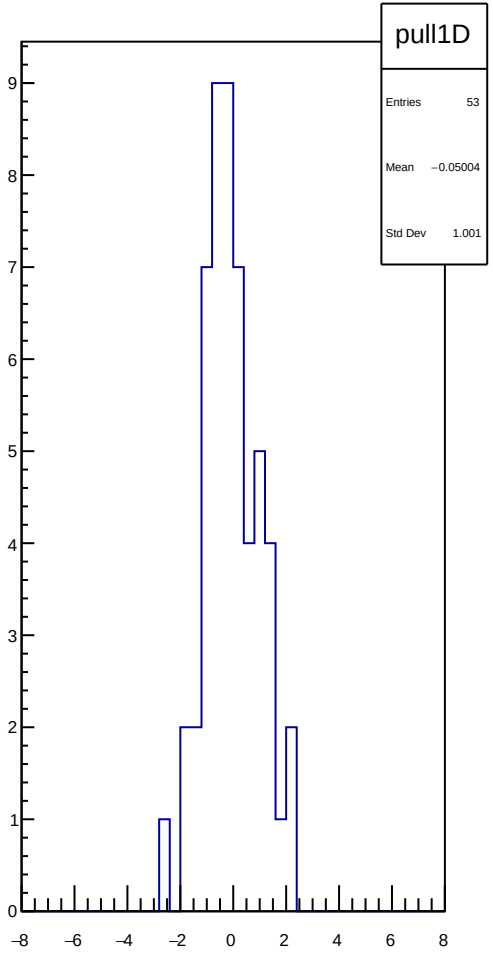

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.12e+05 / 52
p0 6.01e−12 ± 8.589e−15
0.05
0.04
0.03
0.02
0.01
0

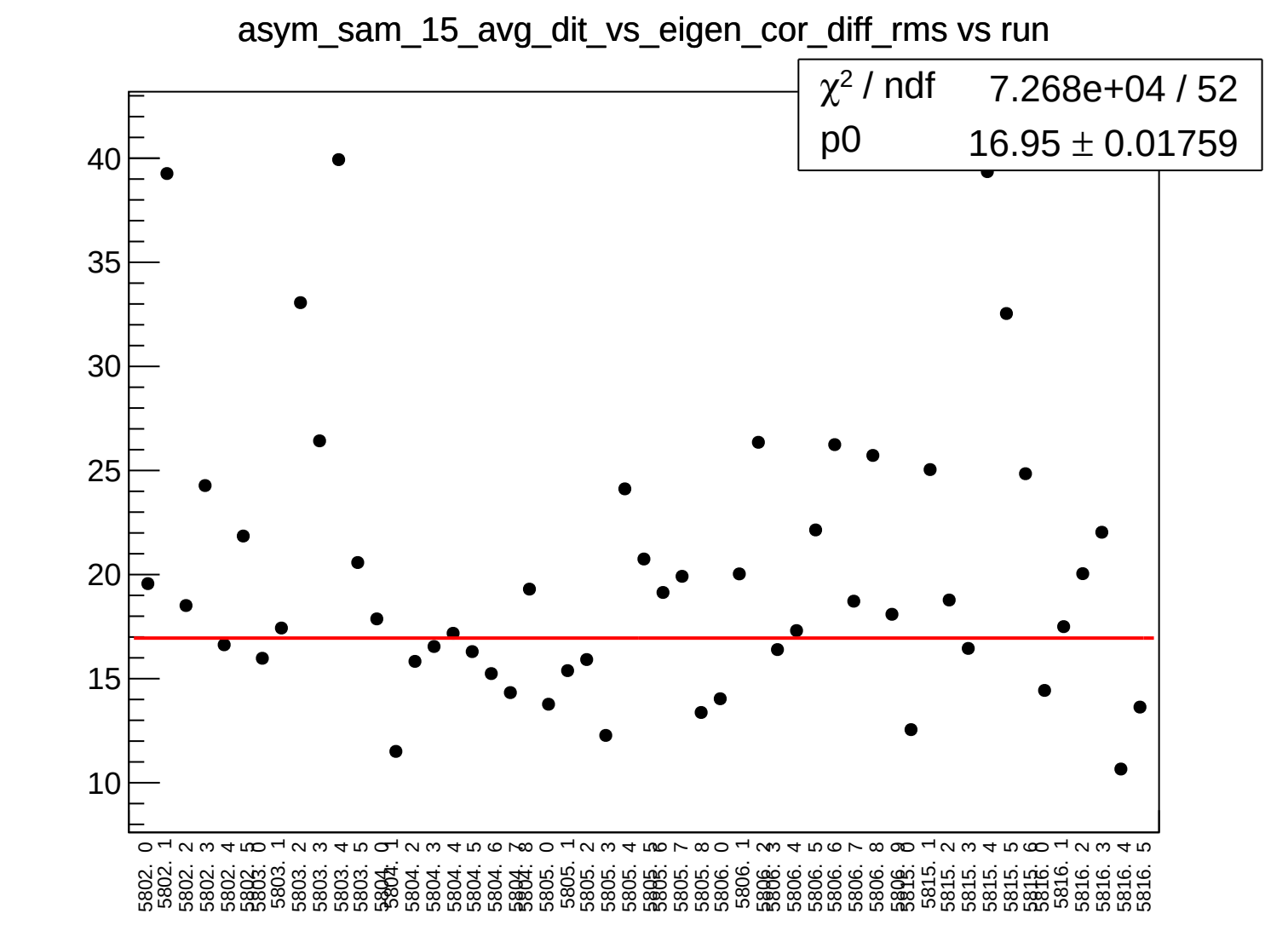

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.21 / 52
p0 −0.006654 ± 0.02487
pull
Entries 53
Mean −2.991
Std Dev 0

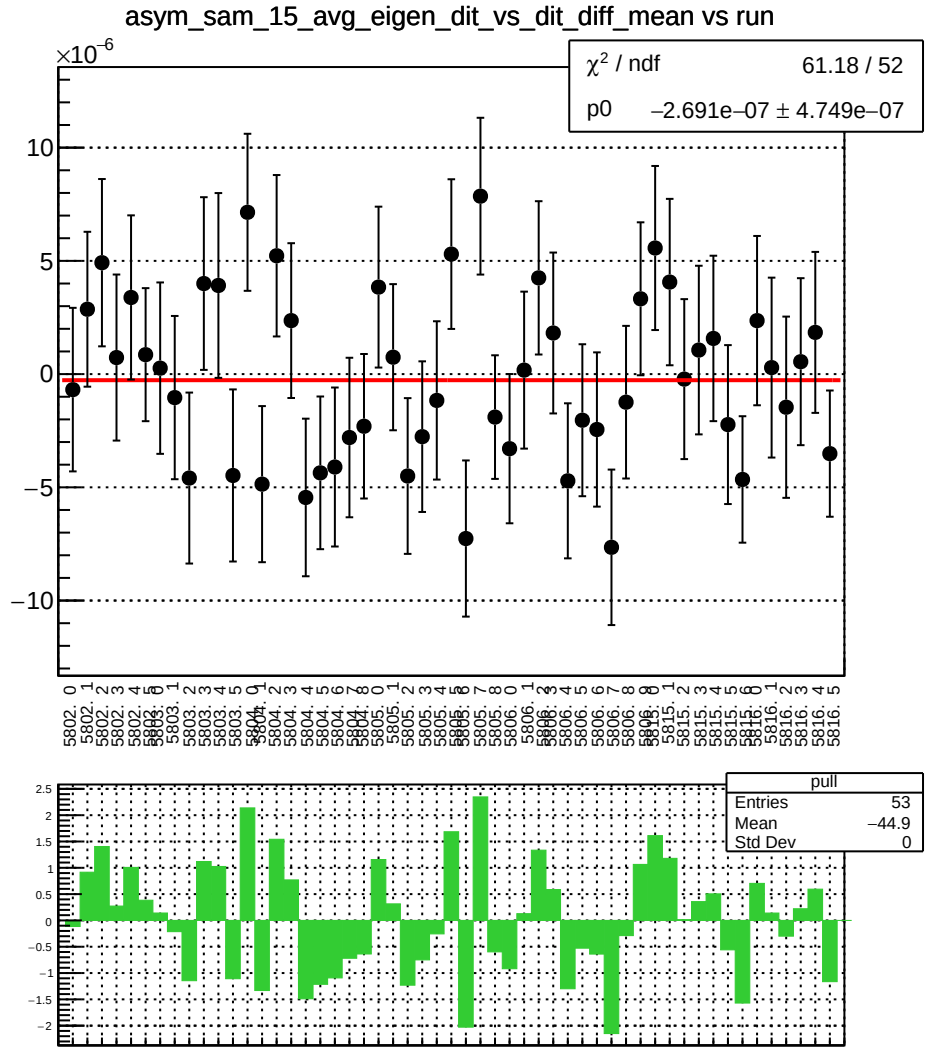

pull1D
Entries 53
Mean −0.05004
Std Dev 1.001

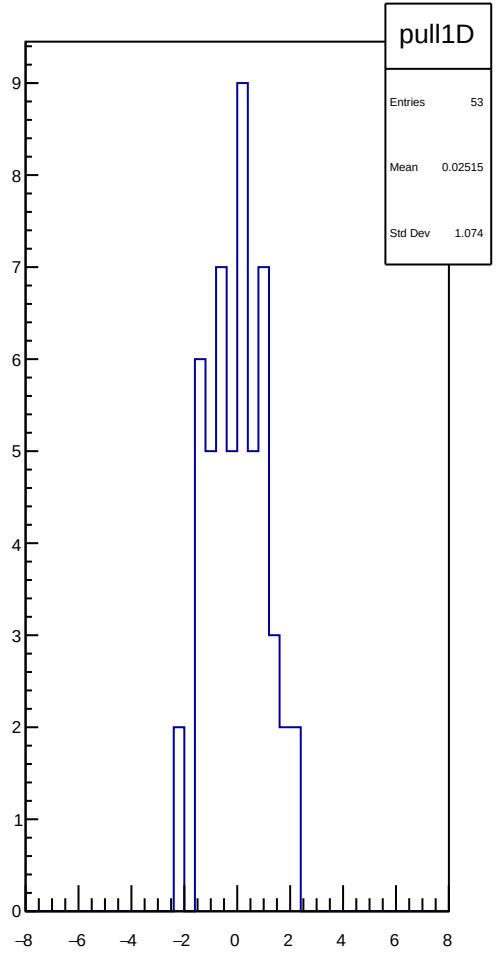

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.268e+04 / 52
p0 16.95 ± 0.01759
40
35
30
25
20
15
10

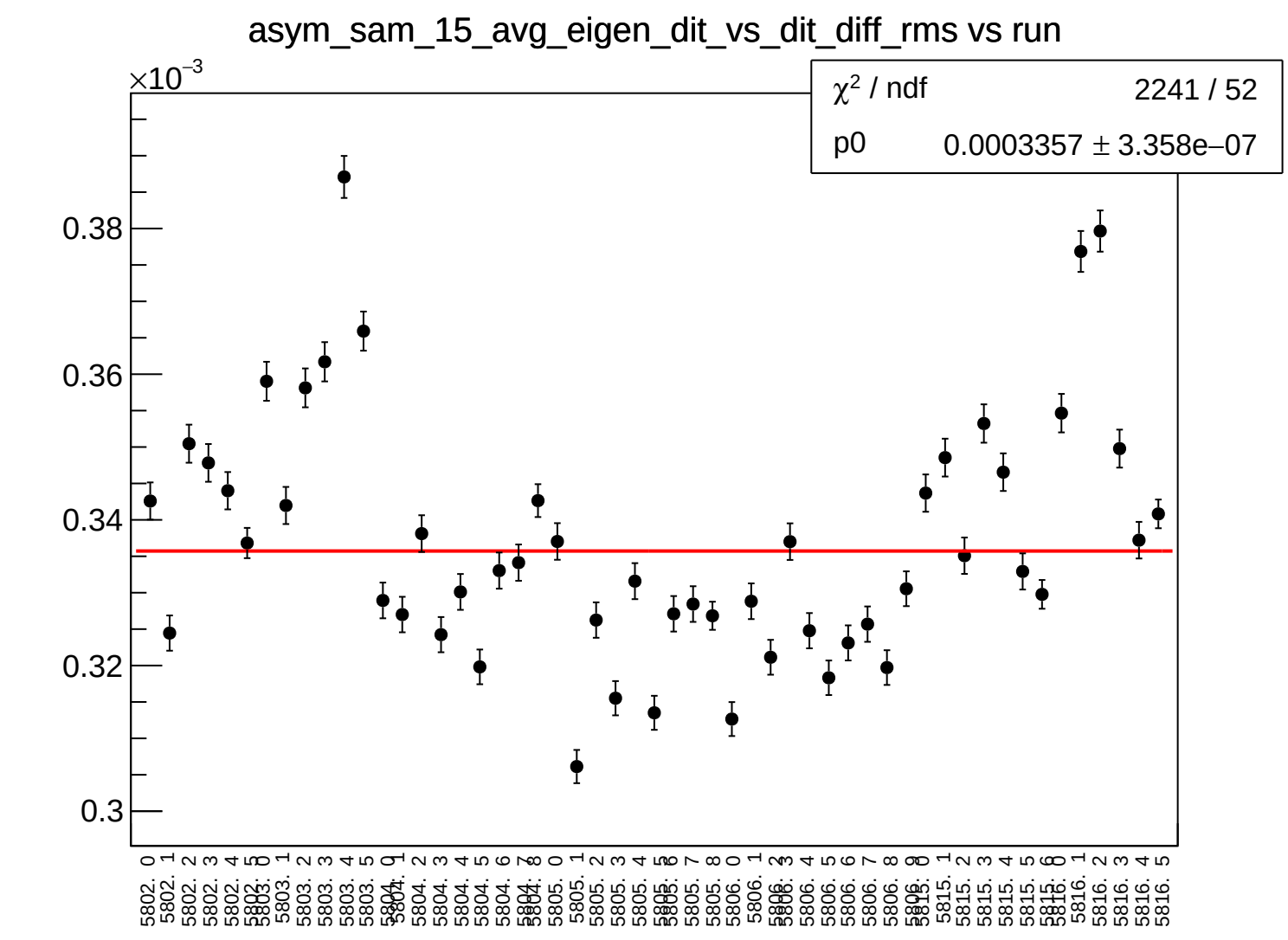

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.21 / 52
p0 −0.006654 ± 0.02487
pull
Entries 53
Mean −2.991
Std Dev 0

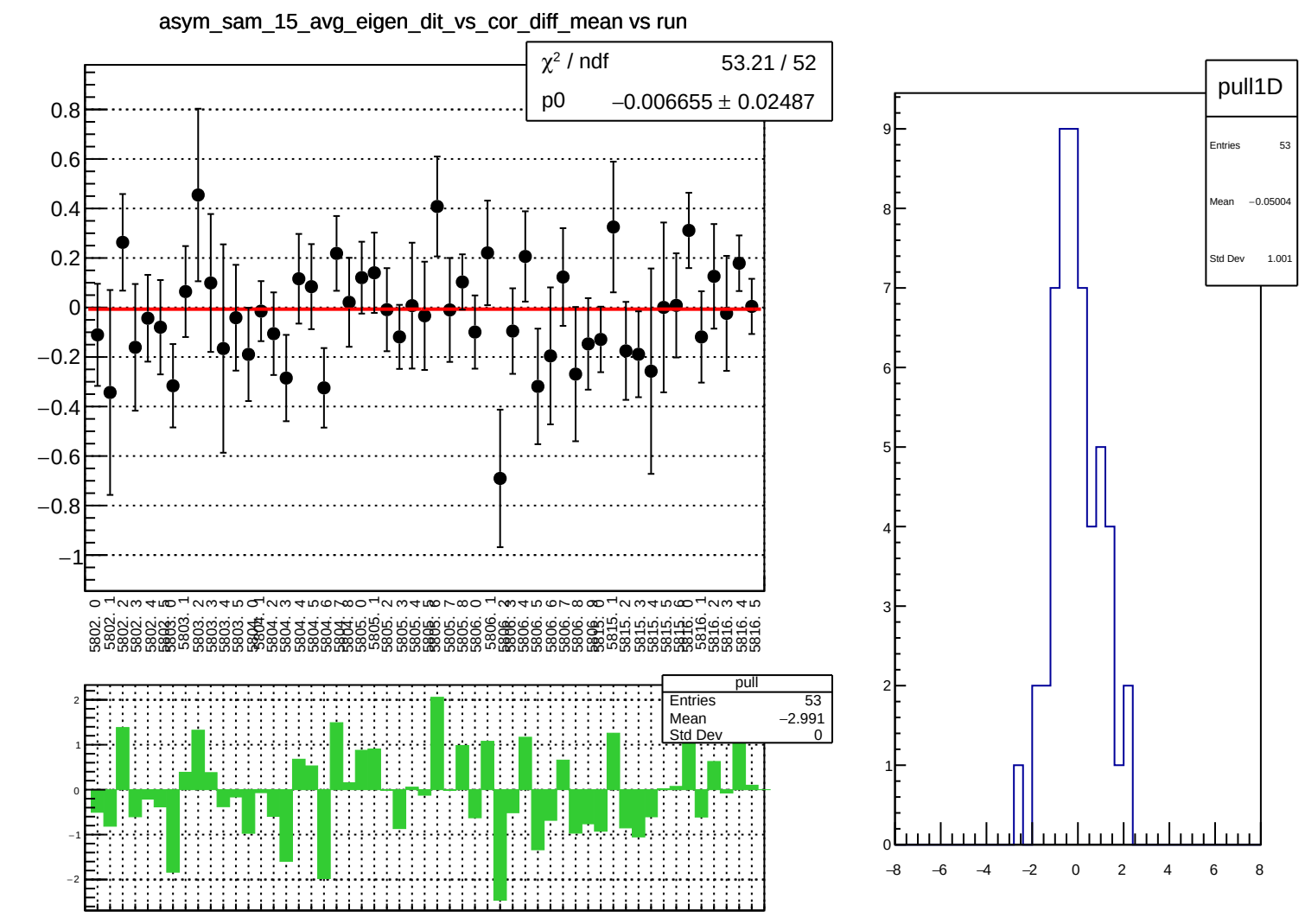

pull1D
Entries 53
Mean −0.05004
Std Dev 1.001

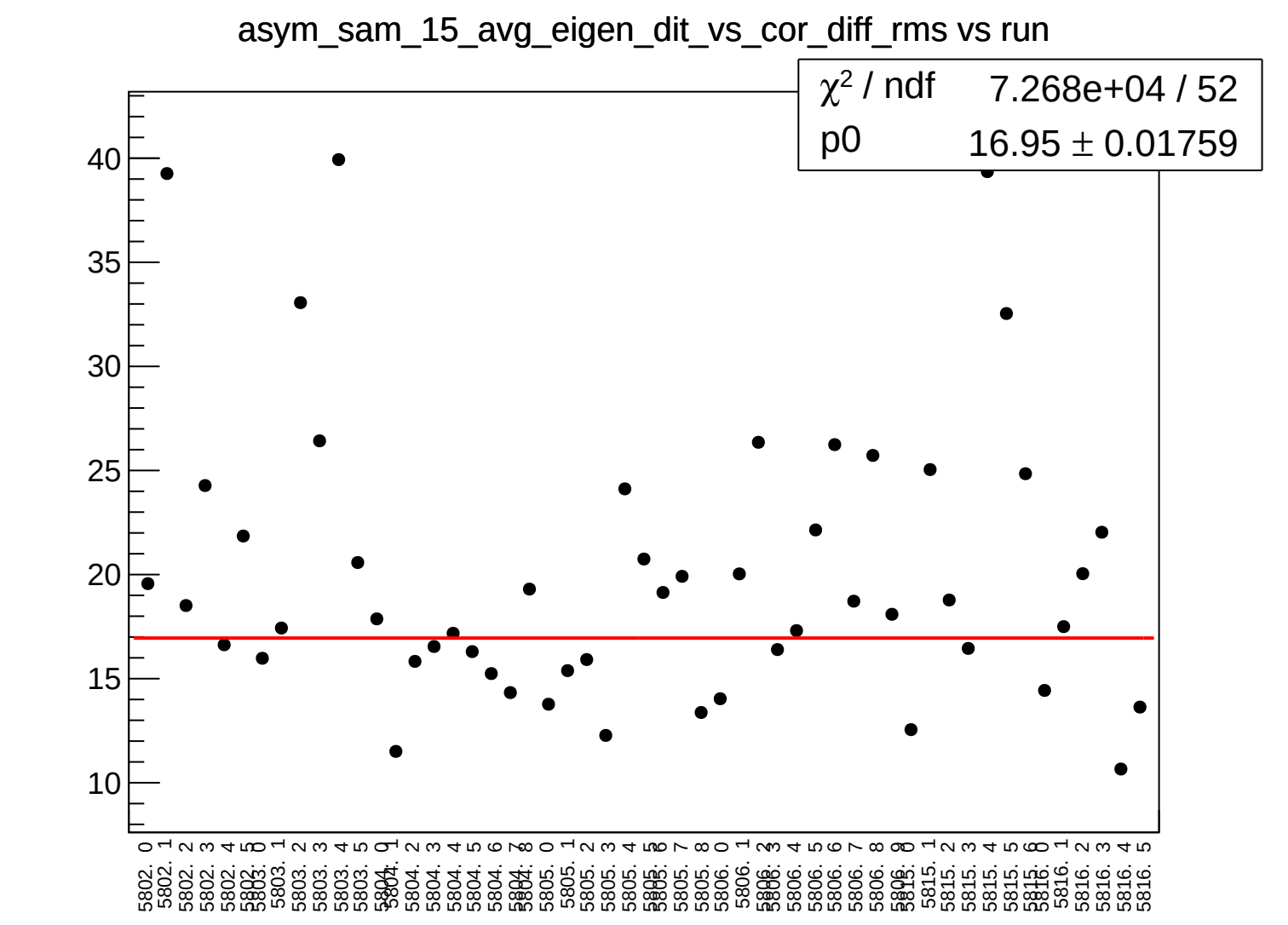

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.268e+04 / 52
p0 16.95 ± 0.01759
40
35
30
25
20
15
10

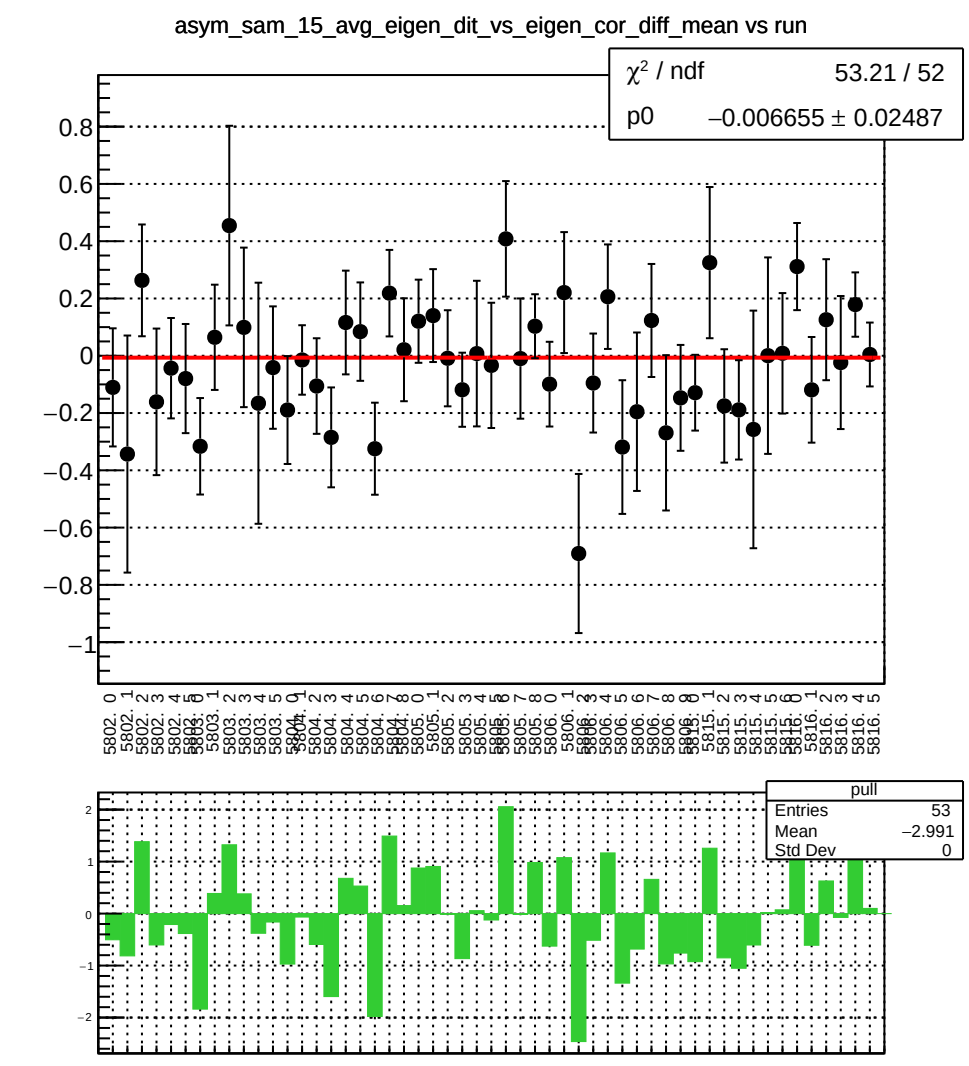

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 61.18 / 52
p0 −2.691e−07 ± 4.749e−07
pull
Entries 53
Mean −44.9
Std Dev 0

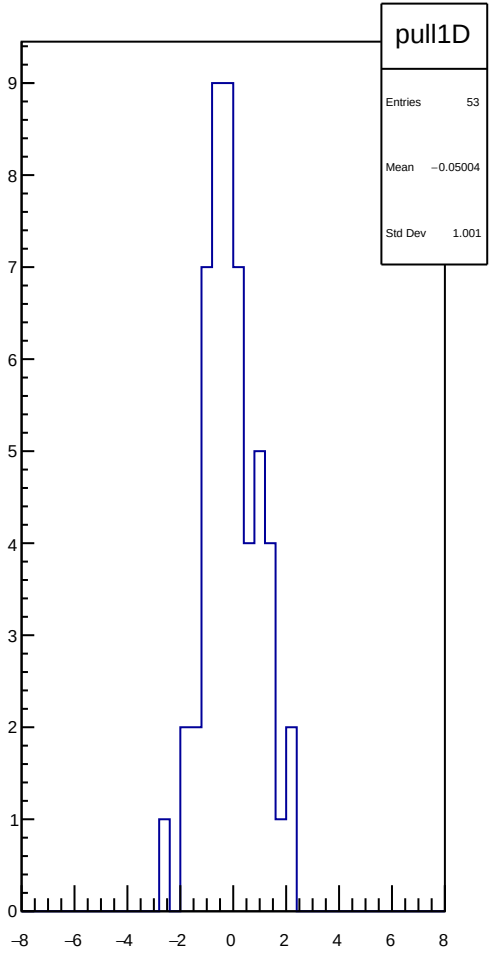

pull1D
Entries 53
Mean 0.02515
Std Dev 1.074

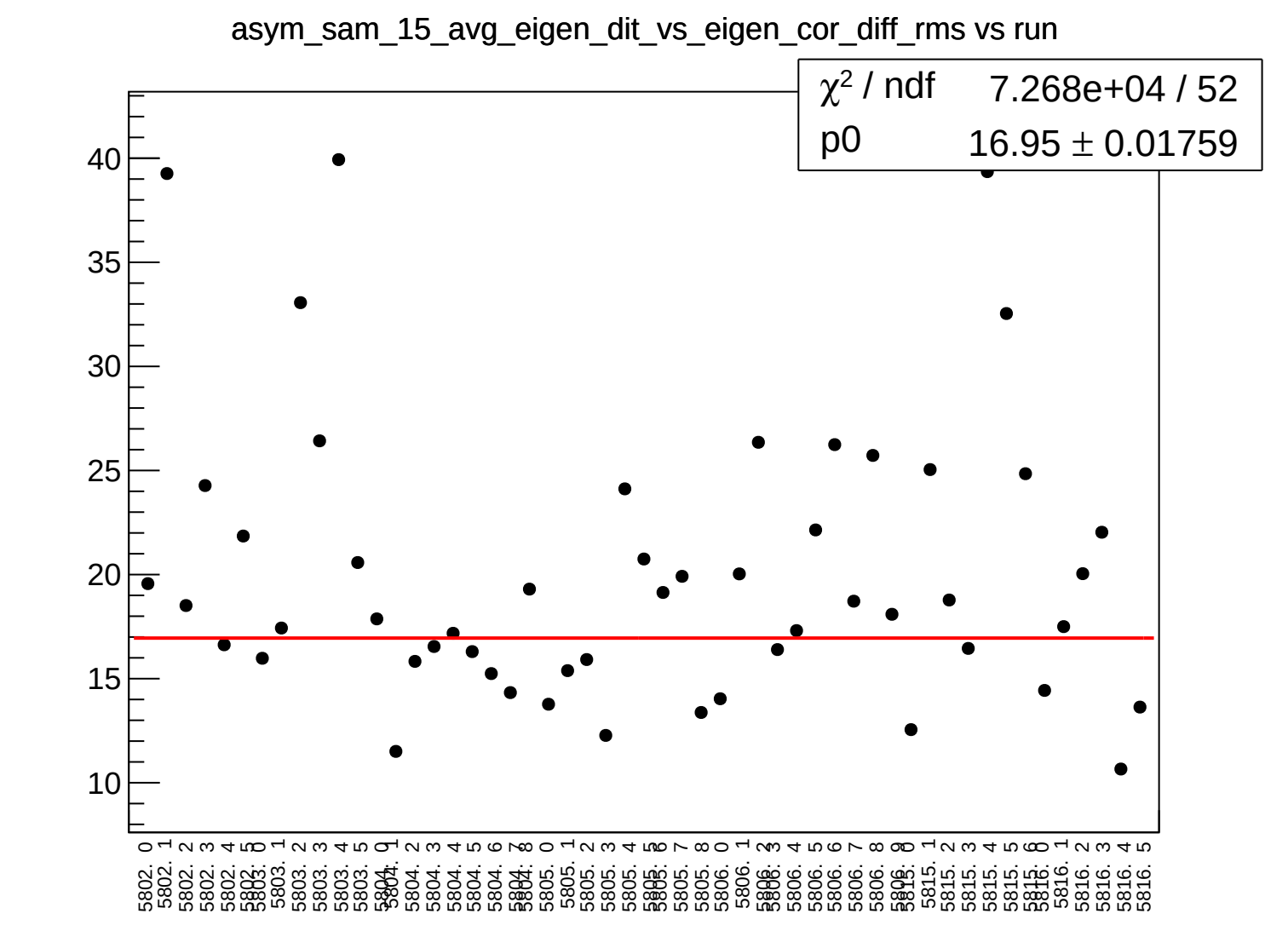

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2241 / 52
p0 0.0003357 ± 3.358e−07
0.38
0.36
0.34
0.32
0.3

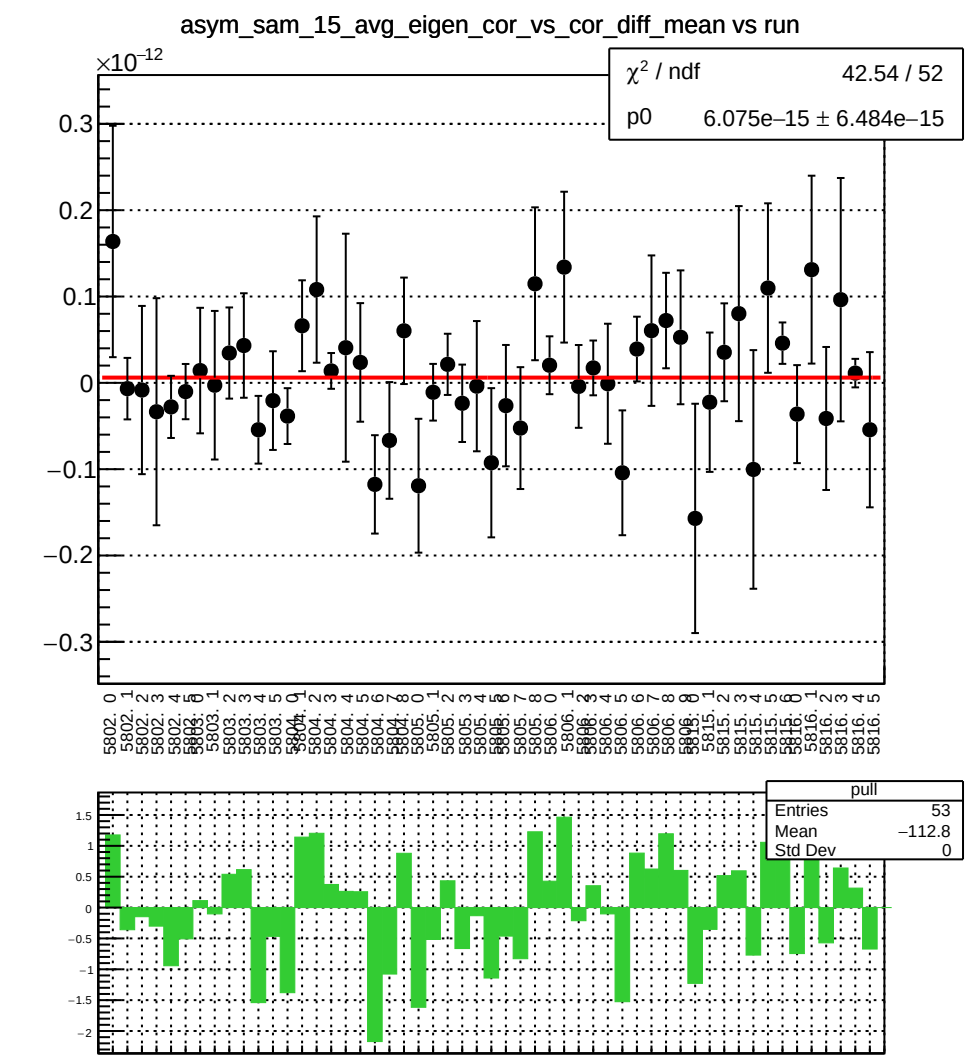

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.21 / 52
p0 −0.006655 ± 0.02487
pull
Entries 53
Mean −2.991
Std Dev 0
pull1D
Entries 53
Mean −0.05004
Std Dev 1.001

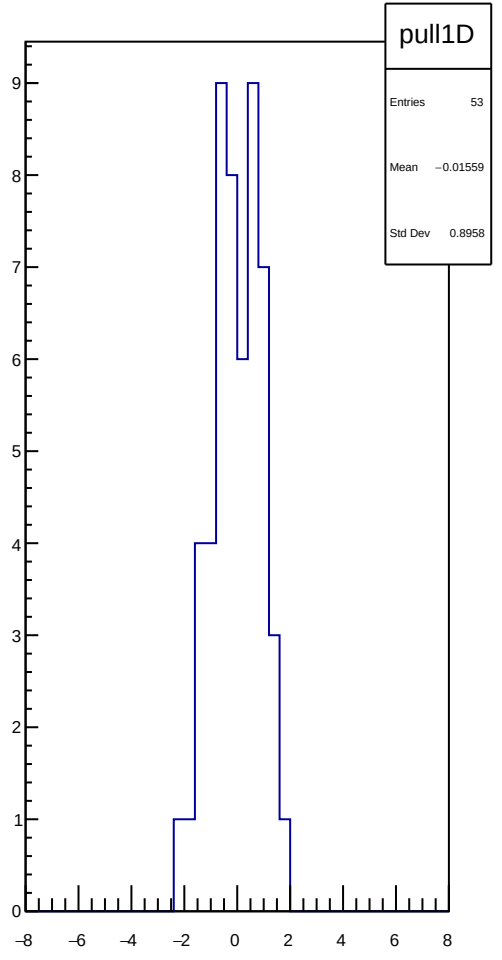

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.268e+04 / 52
p0 16.95 ± 0.01759
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

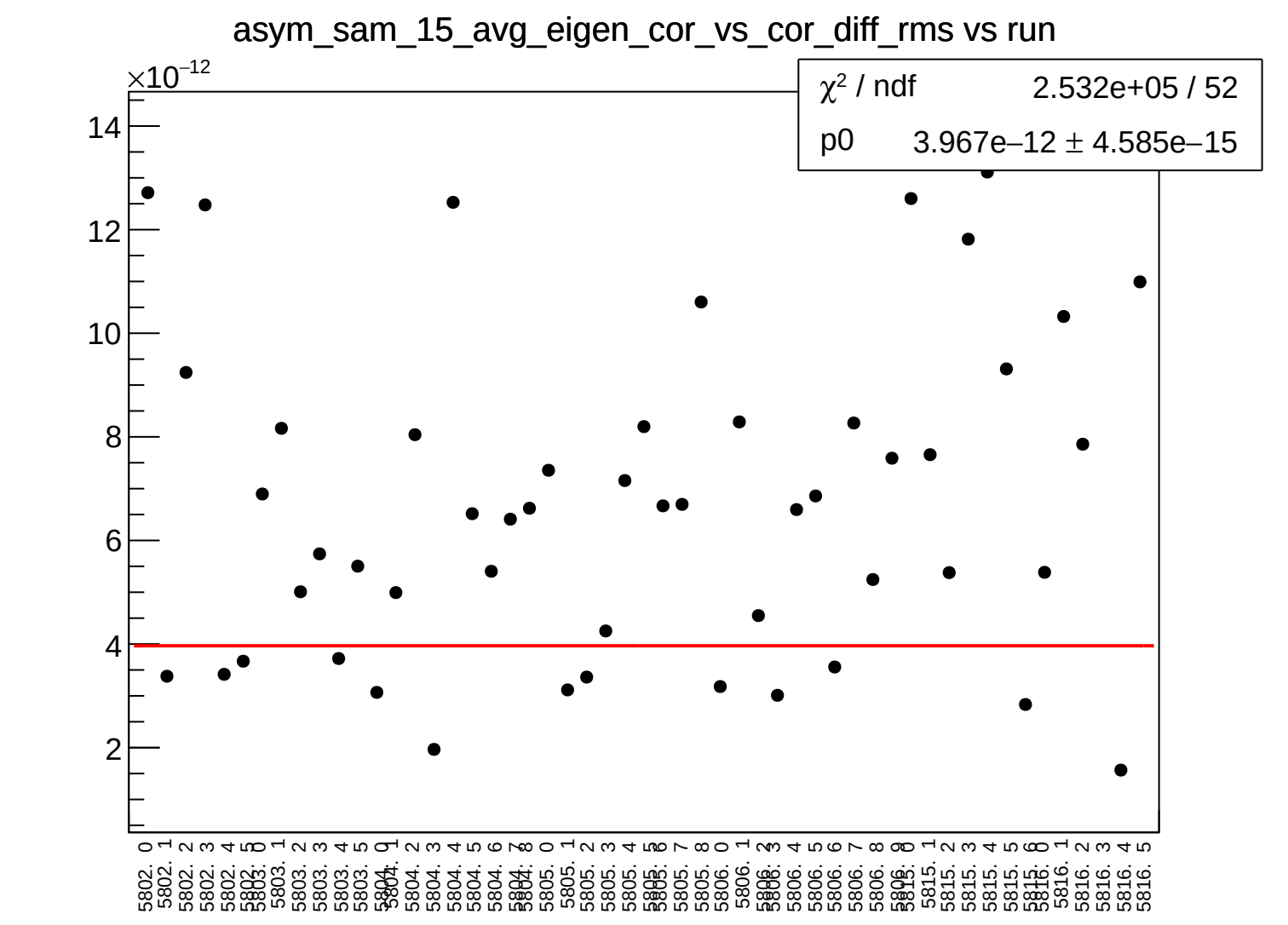

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.21 / 52
p0 −0.006655 ± 0.02487
pull
Entries 53
Mean −2.991
Std Dev 0

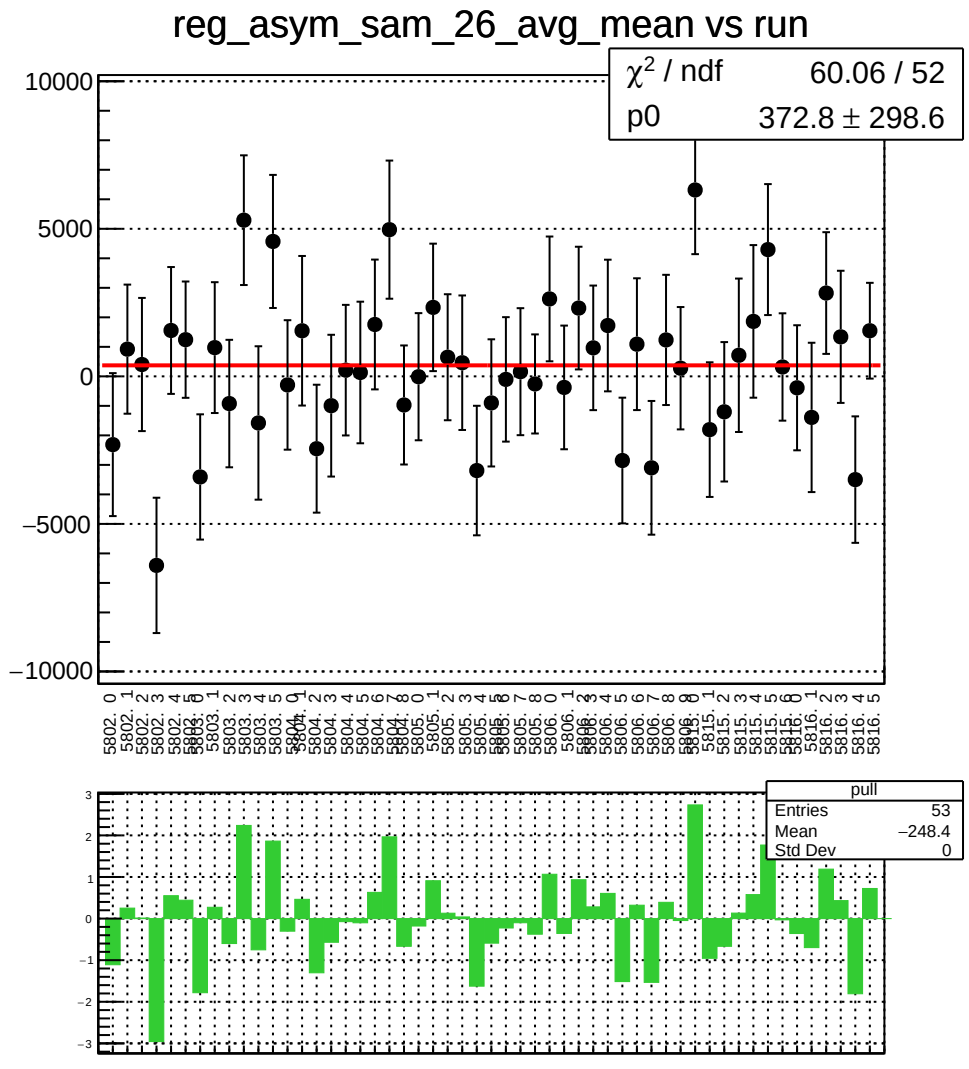

pull1D
Entries 53
Mean −0.05004
Std Dev 1.001

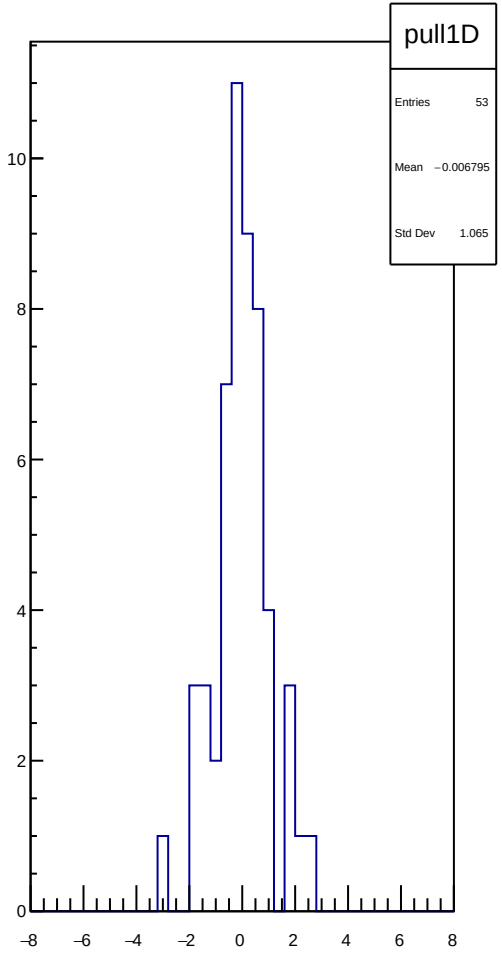

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.268e+04 / 52
p0 16.95 ± 0.01759
40
35
30
25
20
15
10

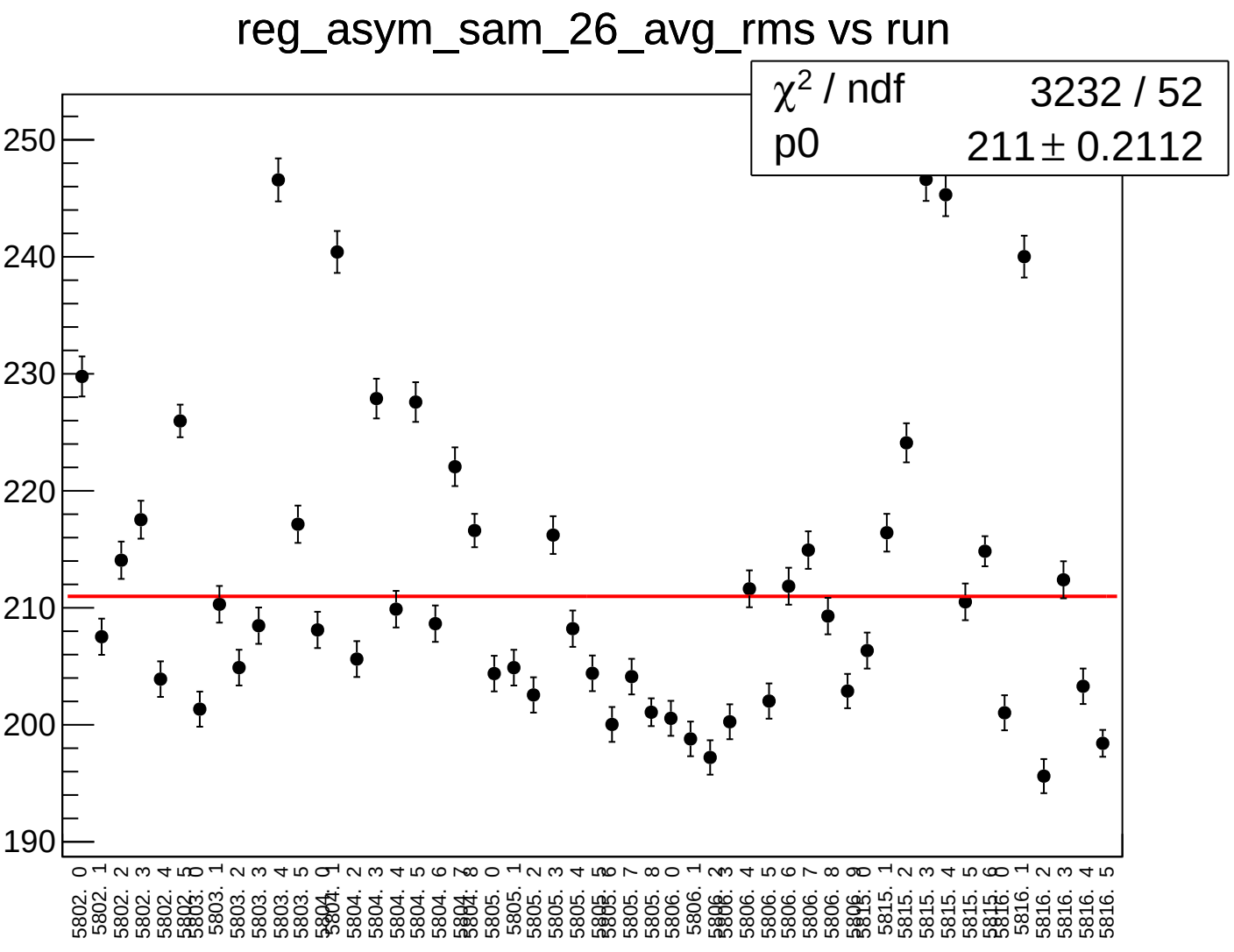

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 42.54 / 52
p0 6.075e−15 ± 6.484e−15
pull
Entries 53
Mean −112.8
Std Dev 0


pull1D
Entries 53
Mean −0.01559
Std Dev 0.8958


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.532e+05 / 52
p0 3.967e−12 ± 4.585e−15
14
12
10
8
6
4
2


reg_asym_sam_26_avg_mean vs run
χ² / ndf 60.06 / 52
p0 372.8 ± 298.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −248.4
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.006795
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_avg_rms vs run
χ² / ndf 3232 / 52
p0 211 ± 0.2112
250
240
230
220
210
200
190
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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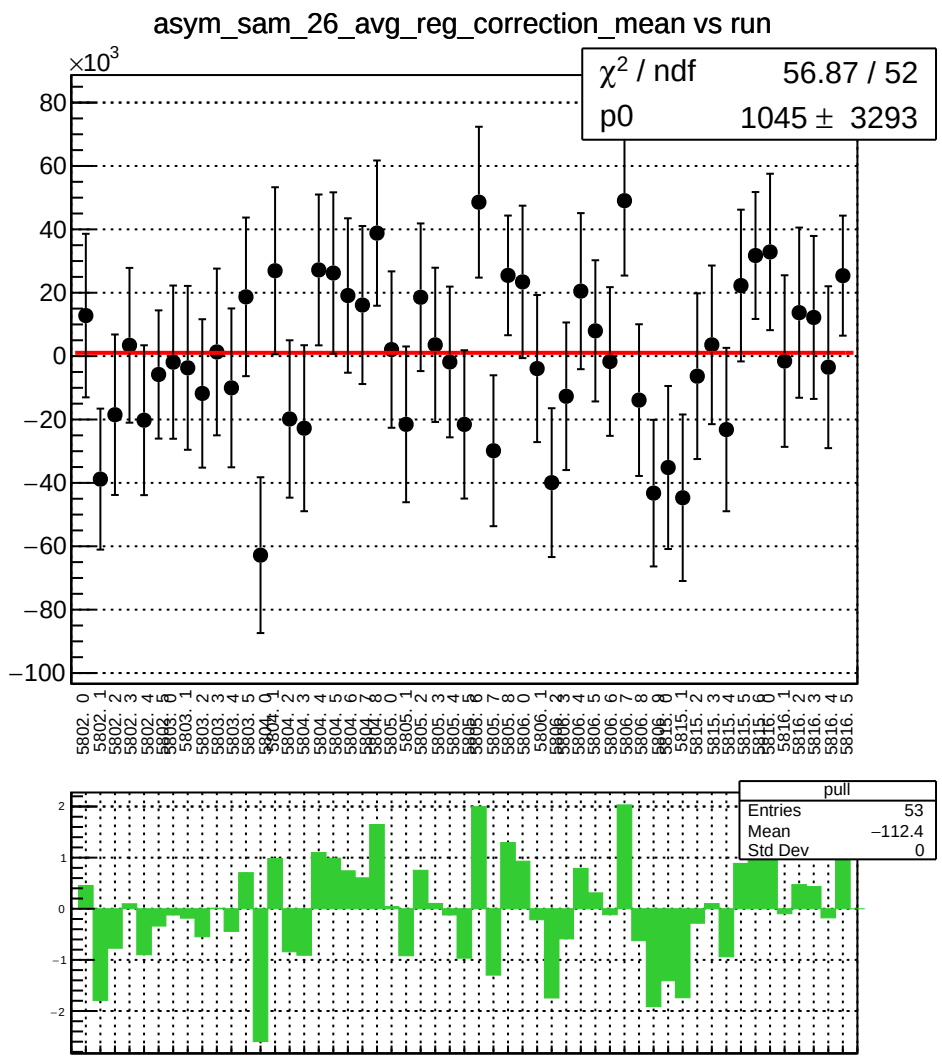
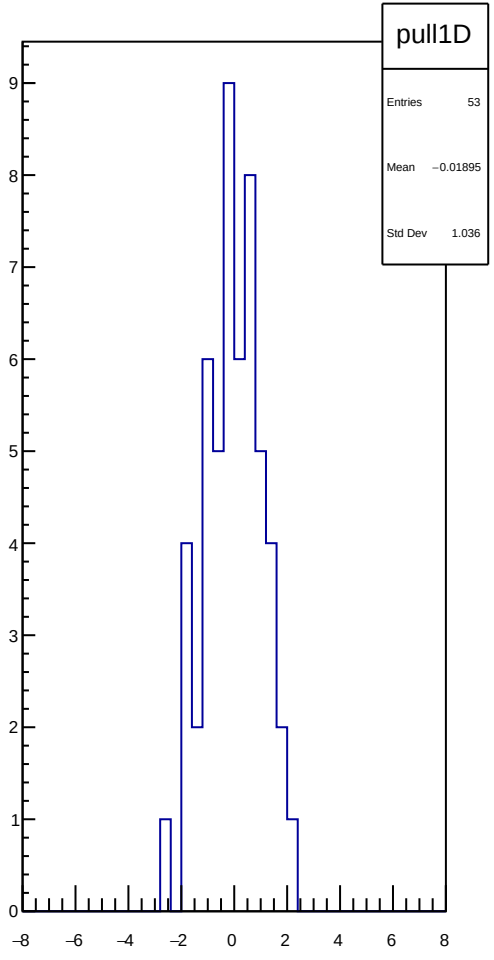
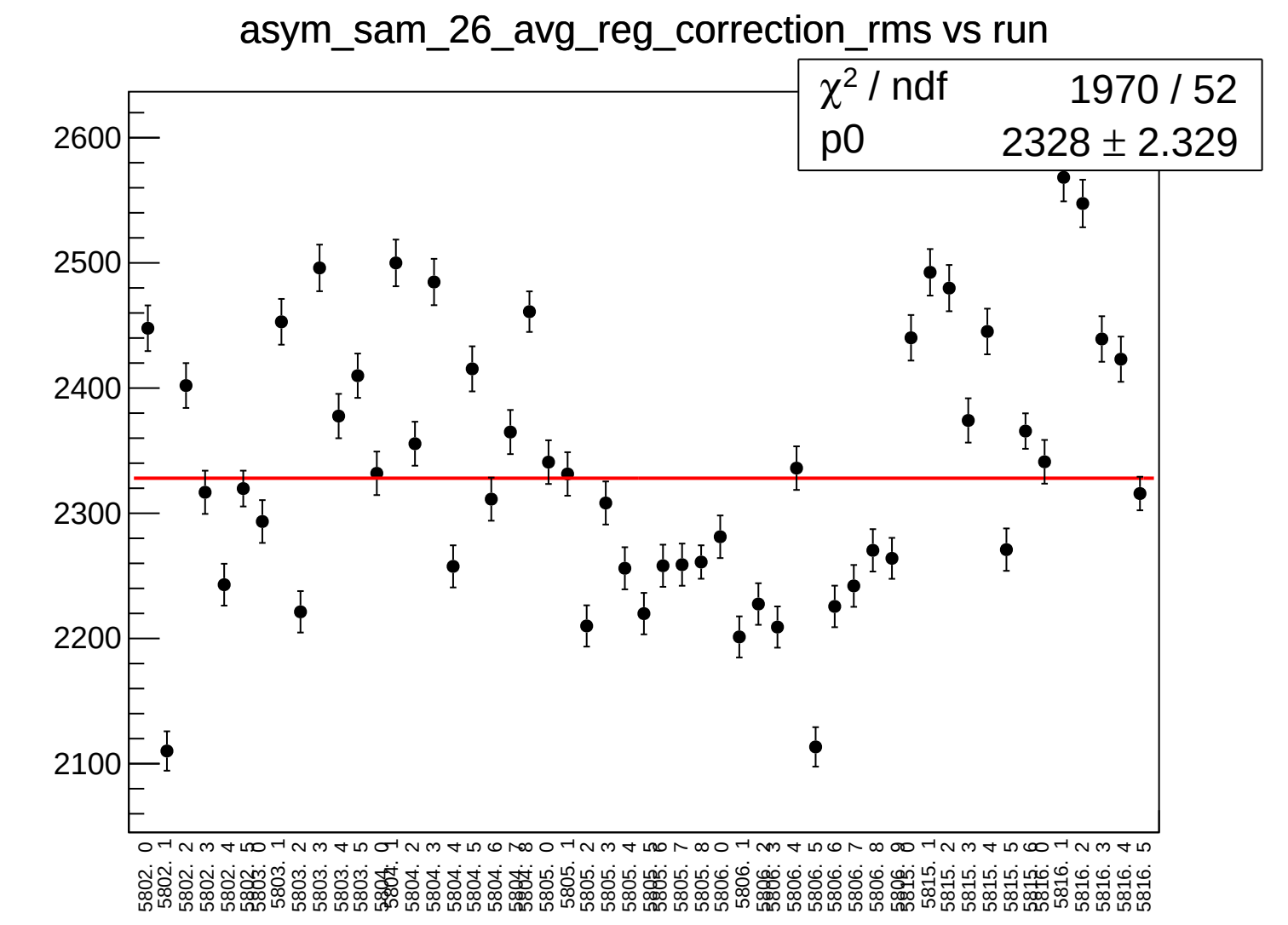
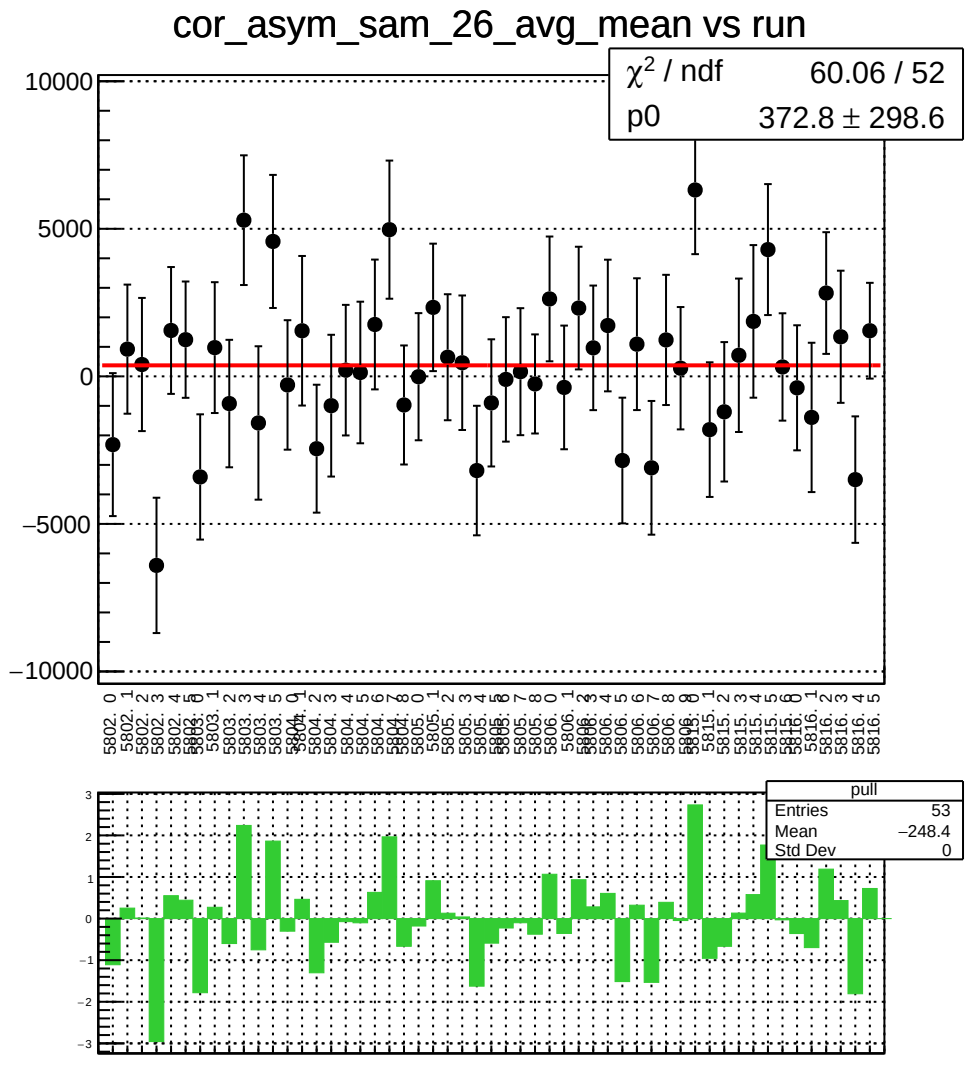
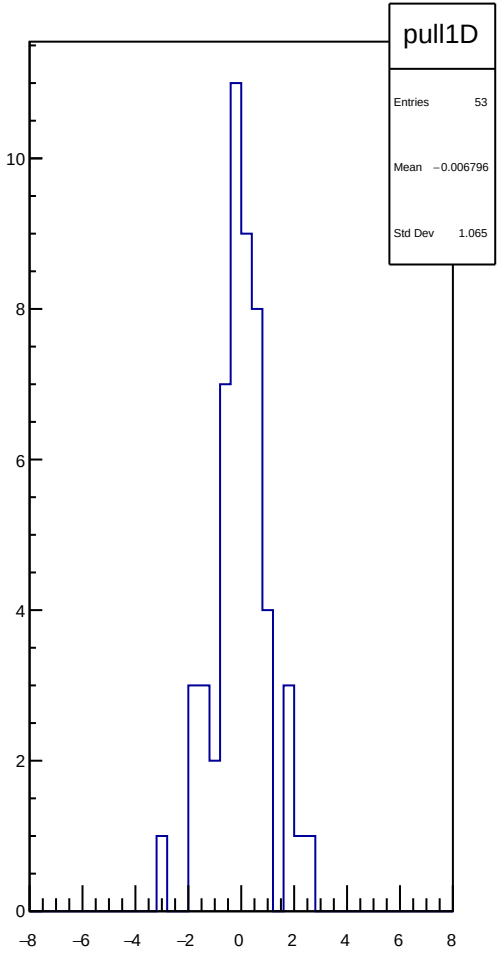
5816. 3
5816. 4
5816. 5

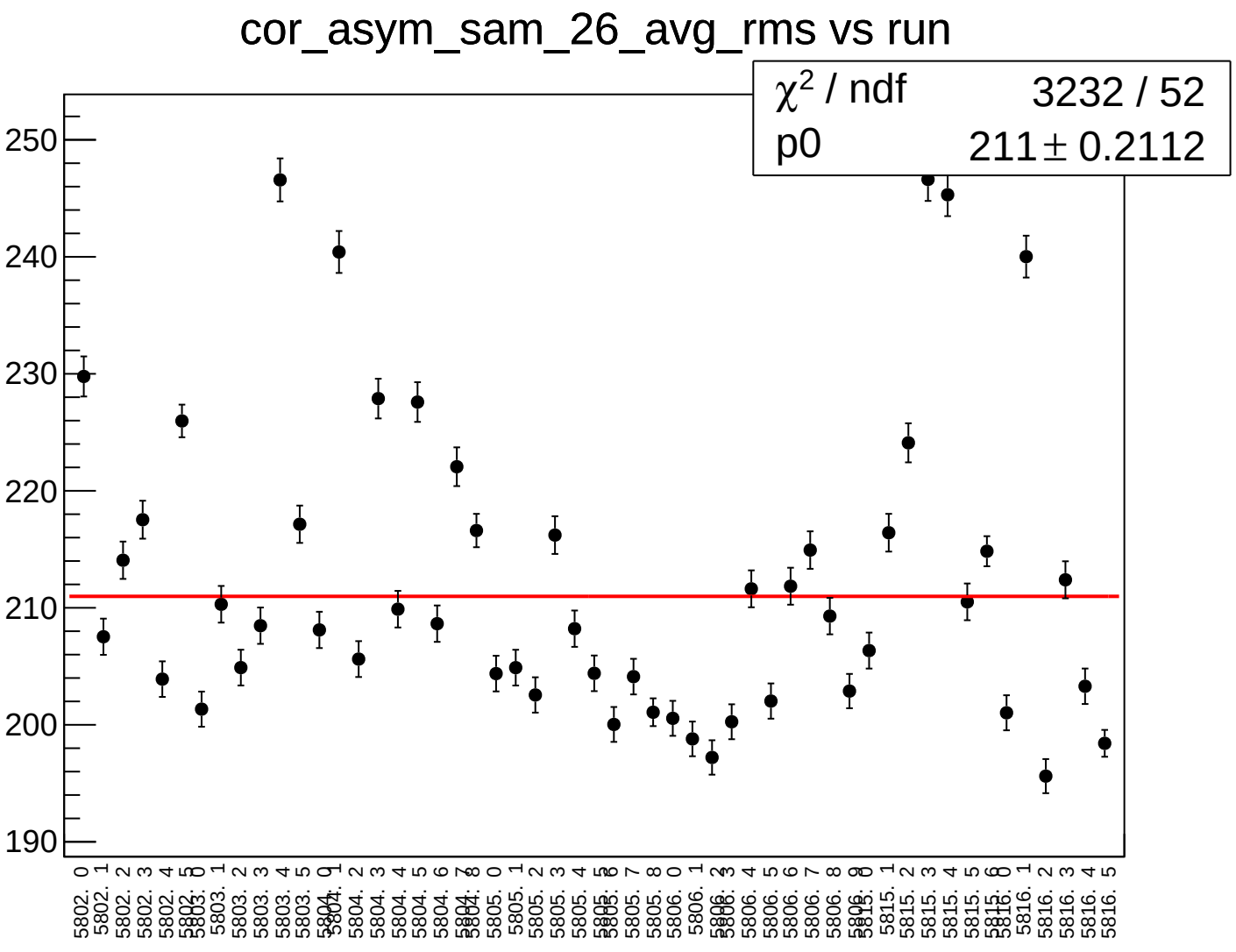

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 56.87 / 52
p0 1045 ± 3293
×10³
pull
Entries 53
Mean −112.4
Std Dev 0

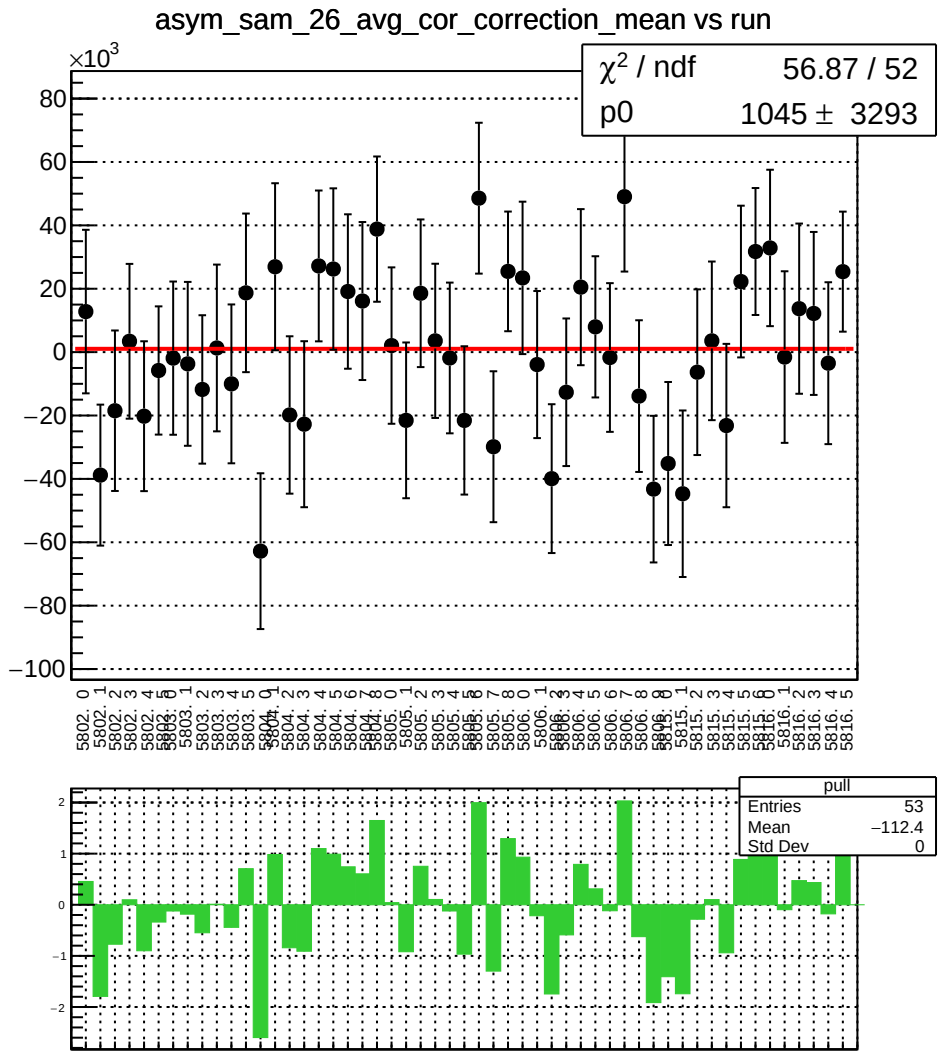

pull1D
Entries 53
Mean −0.01895
Std Dev 1.036

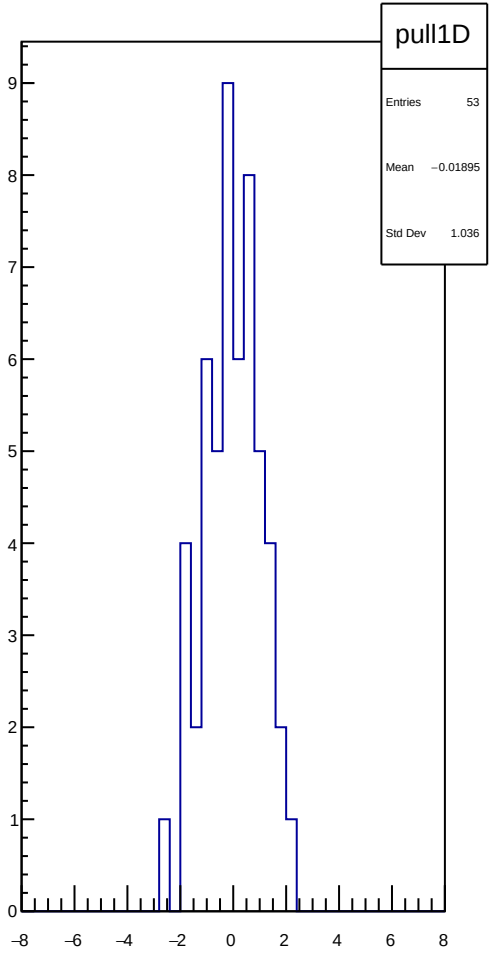

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 1970 / 52
p0 2328 ± 2.329
2600
2500
2400
2300
2200
2100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

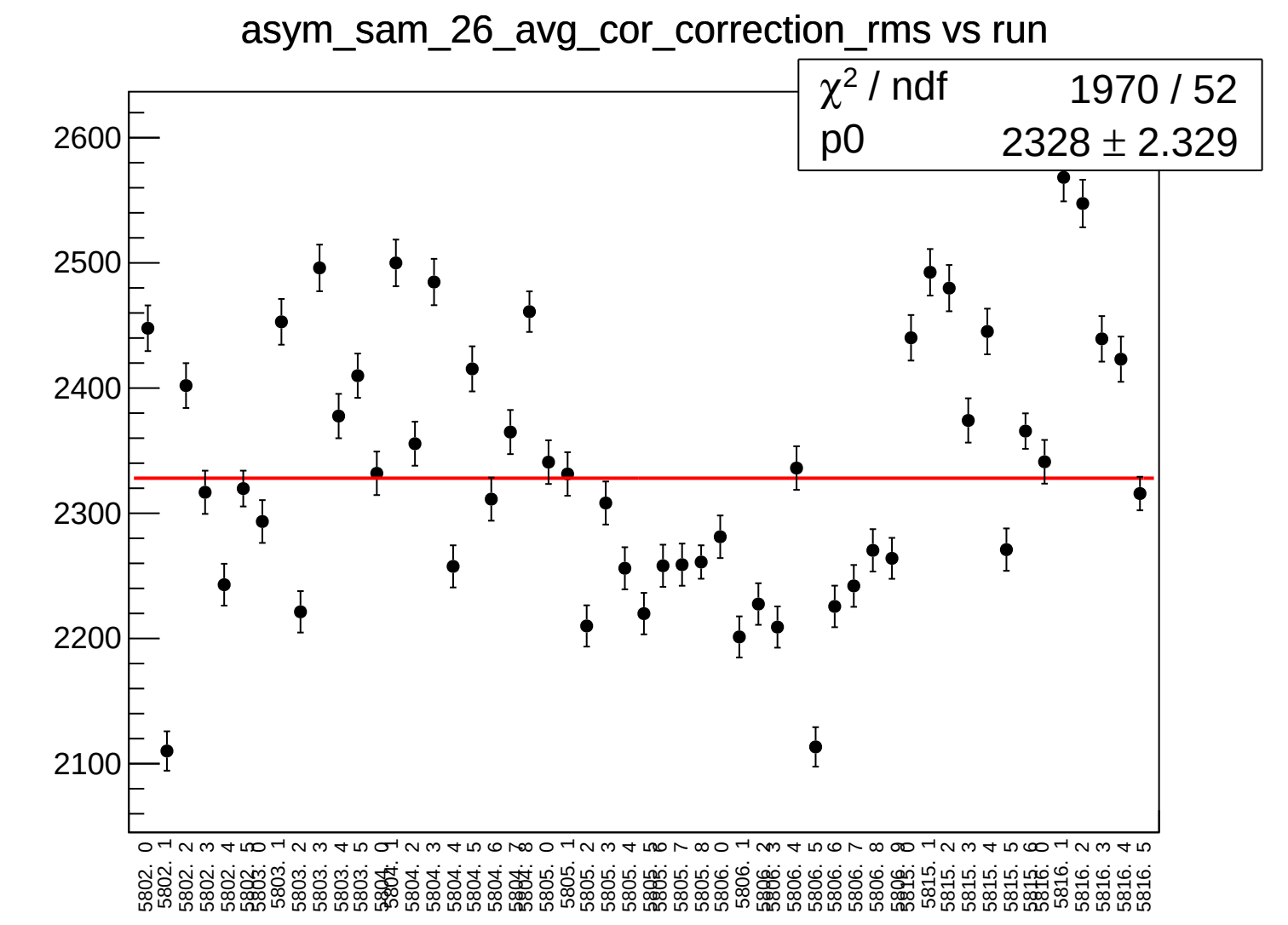

cor_asym_sam_26_avg_mean vs run
χ² / ndf 60.06 / 52
p0 372.8 ± 298.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −248.4
Std Dev 0
3
2
1
0
−1
−2
−3

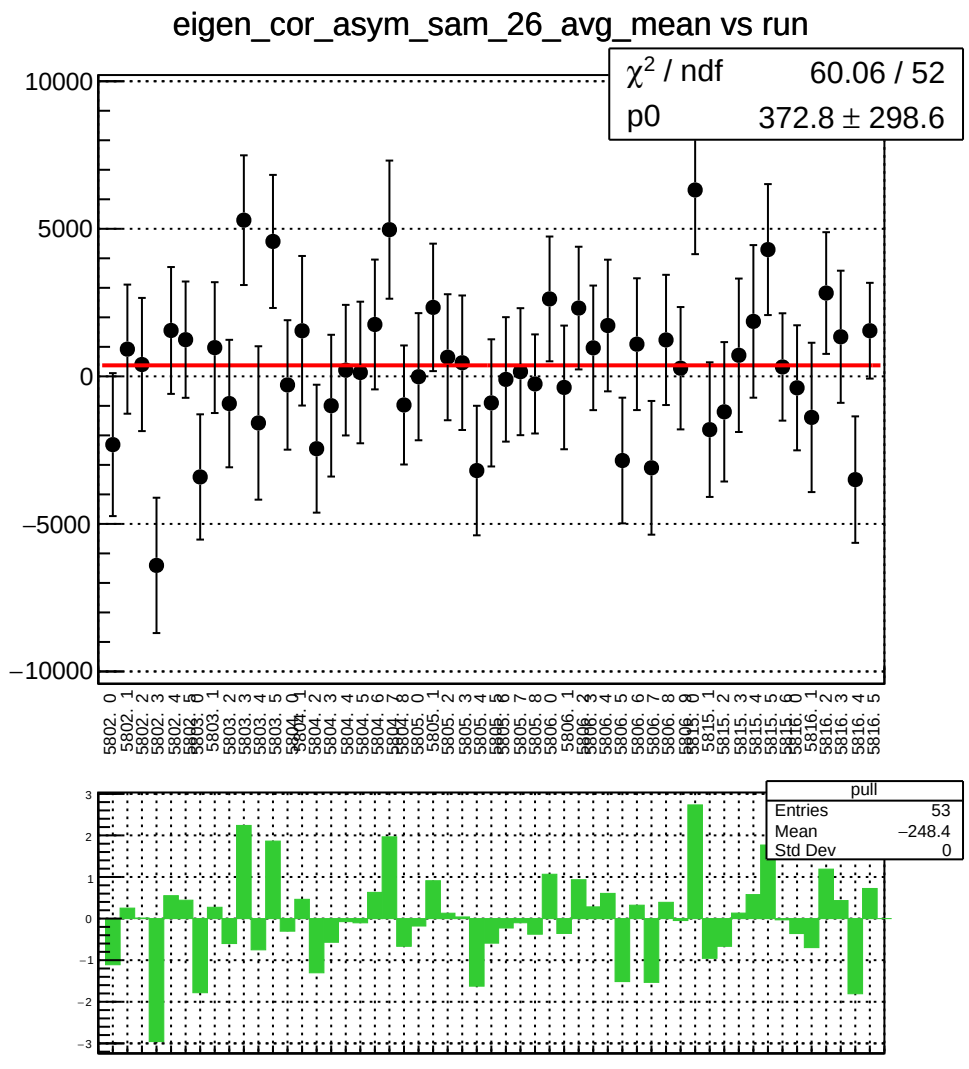

pull1D
Entries 53
Mean −0.006796
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

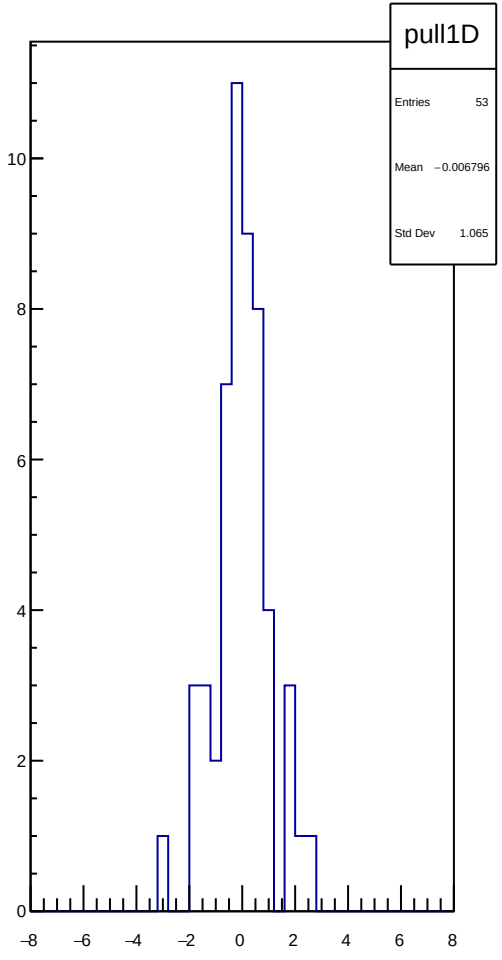

cor_asym_sam_26_avg_rms vs run
χ² / ndf 3232 / 52
p0 211 ± 0.2112
250
240
230
220
210
200
190

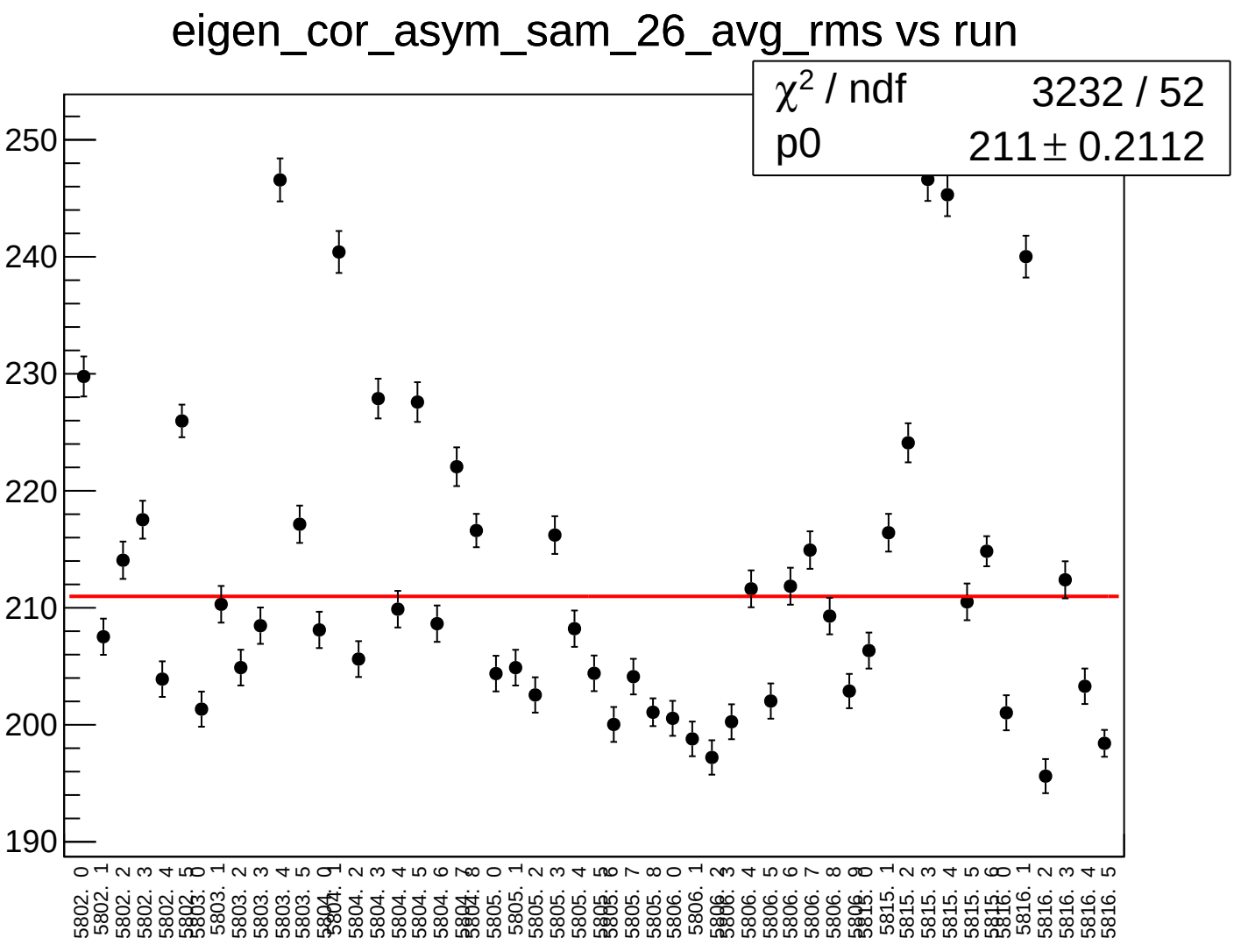

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 56.87 / 52
p0 1045 ± 3293
pull
Entries 53
Mean −112.4
Std Dev 0


pull1D
Entries 53
Mean −0.01895
Std Dev 1.036


asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 1970 / 52
p0 2328 ± 2.329
2600
2500
2400
2300
2200
2100


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 60.06 / 52
p0 372.8 ± 298.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −248.4
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.006796
Std Dev 1.065
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 3232 / 52
p0 211 ± 0.2112
250
240
230
220
210
200
190
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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5815. 3
5815. 4
5815. 5
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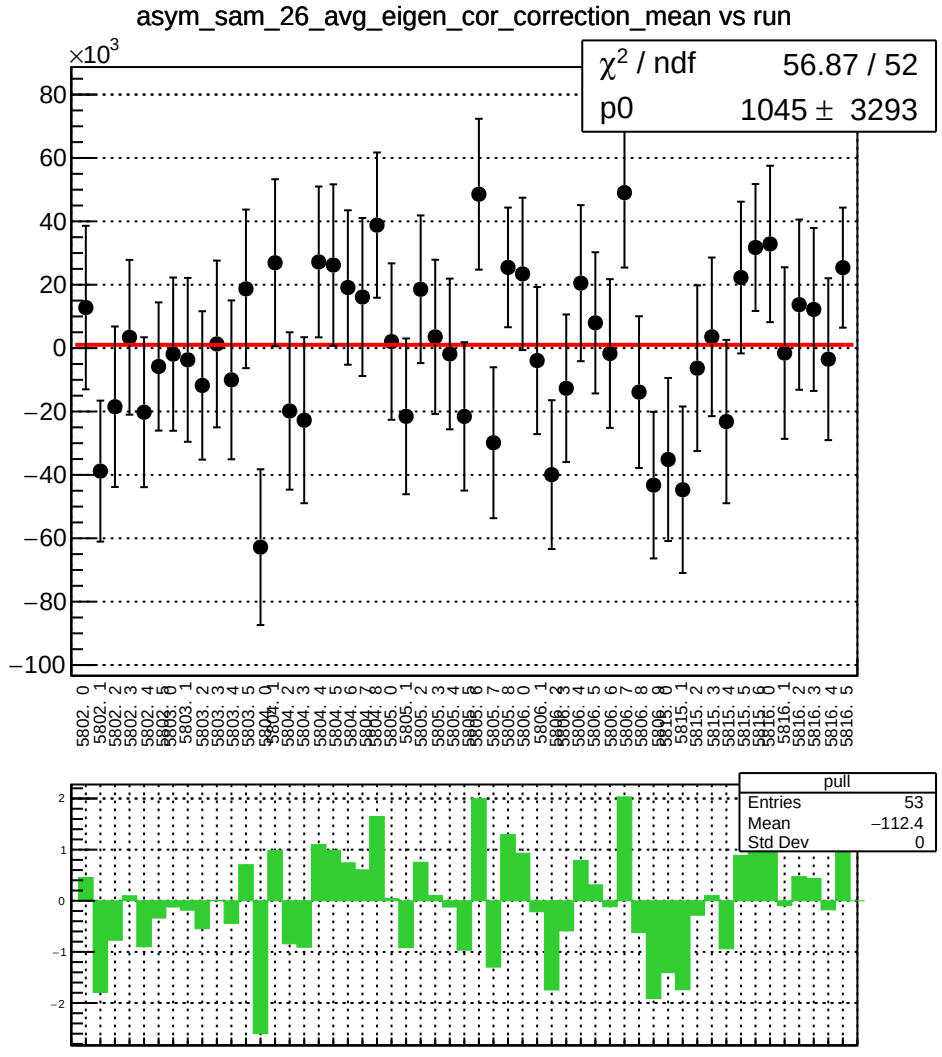
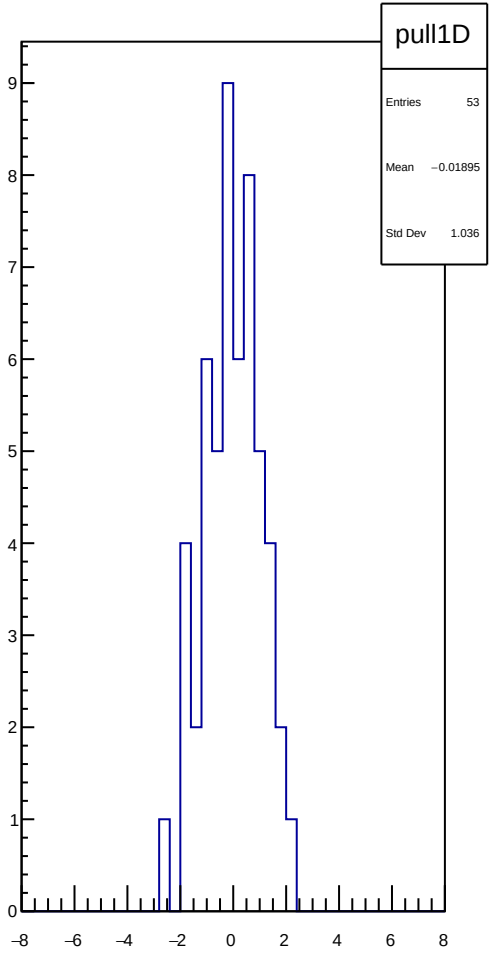
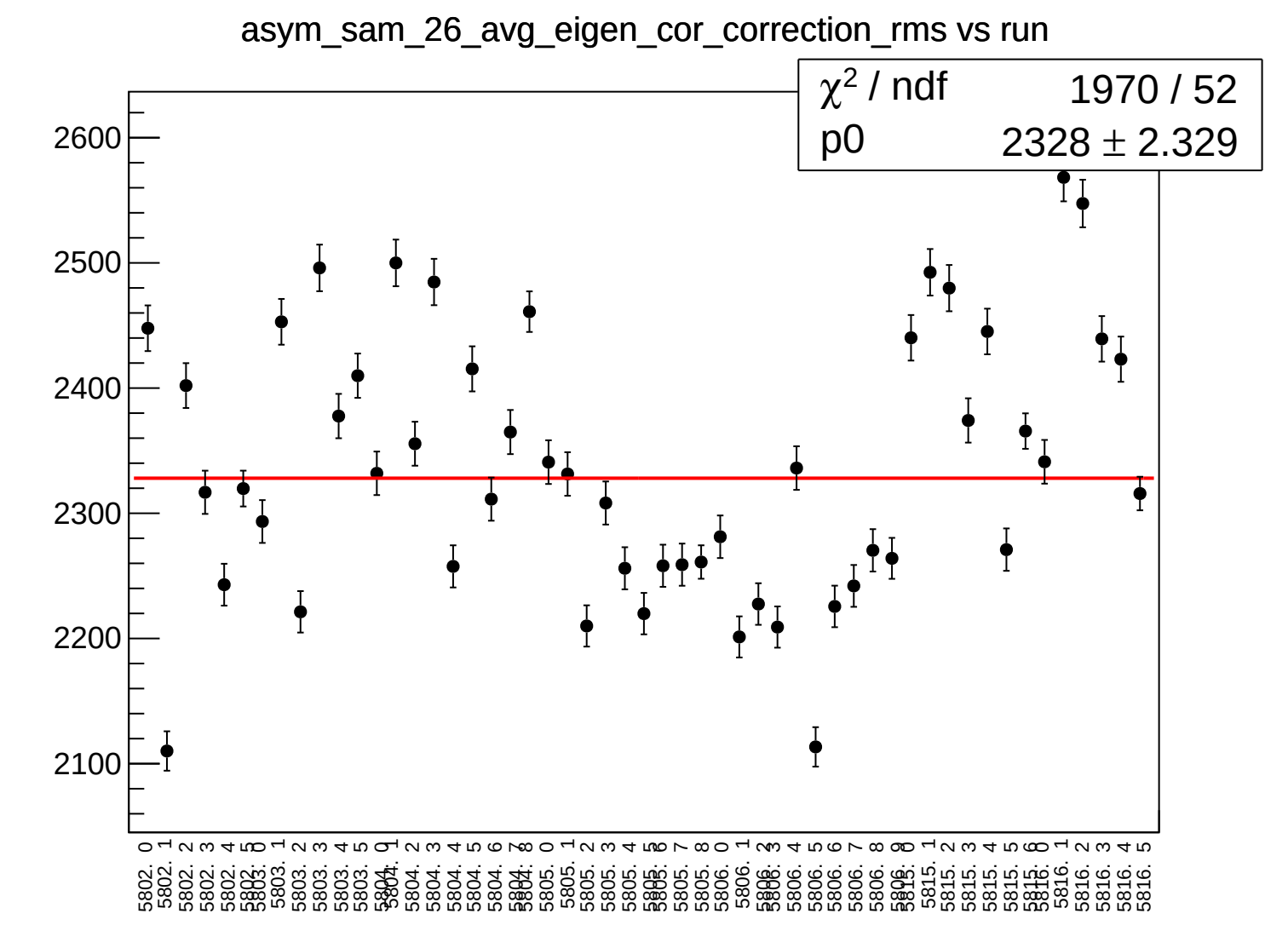
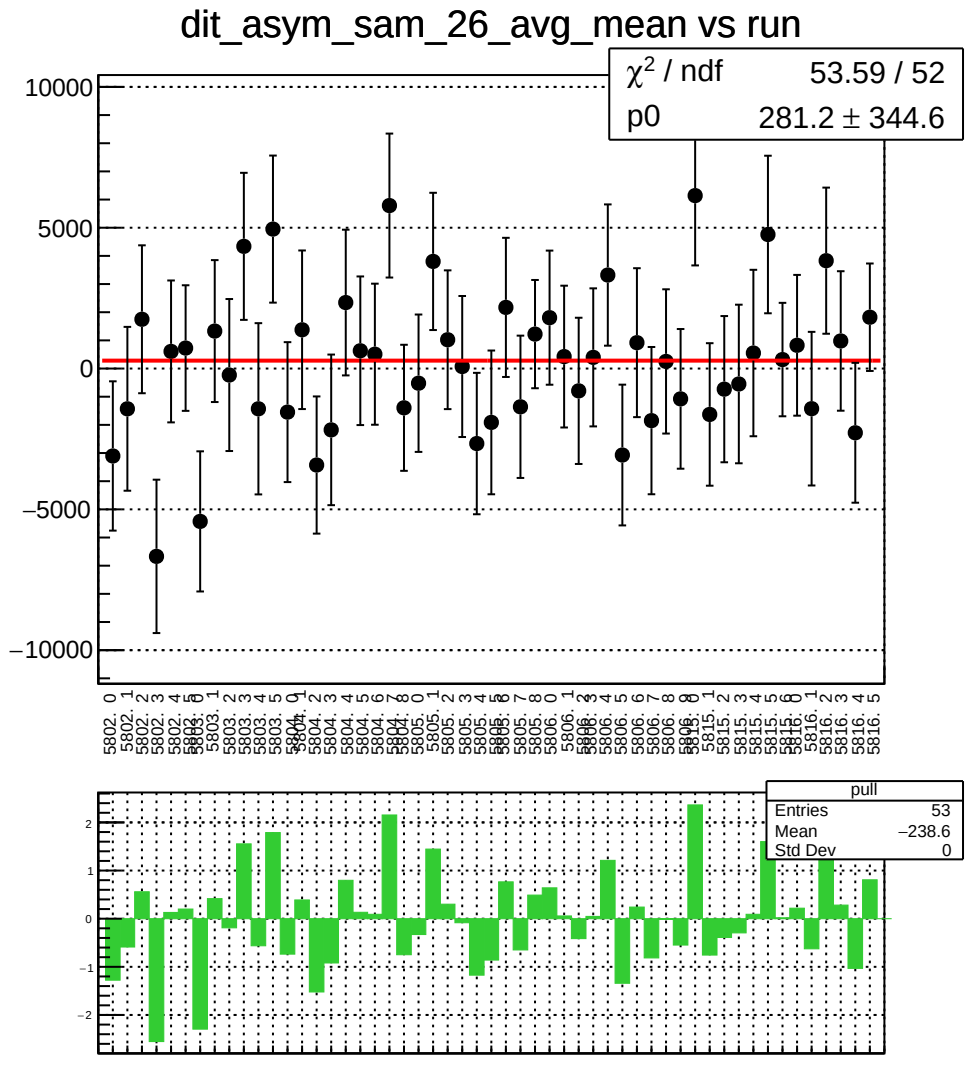
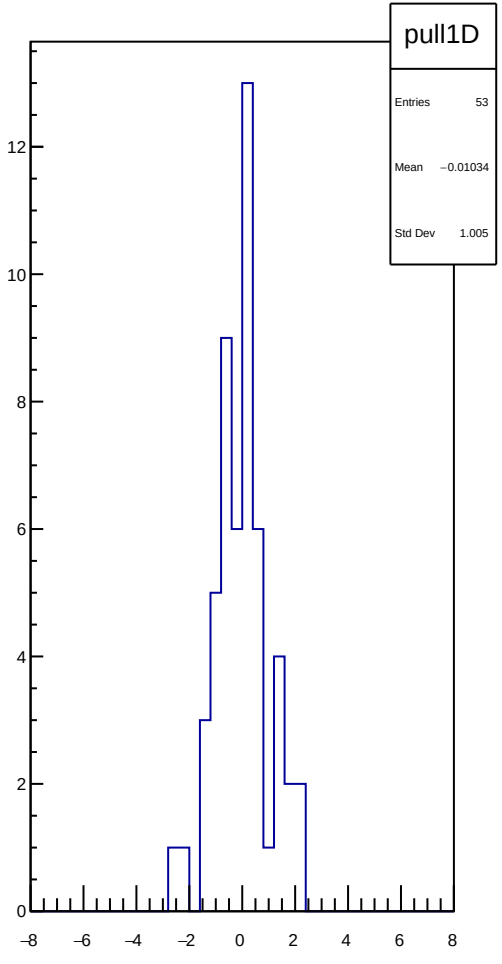
5816. 4
5816. 5

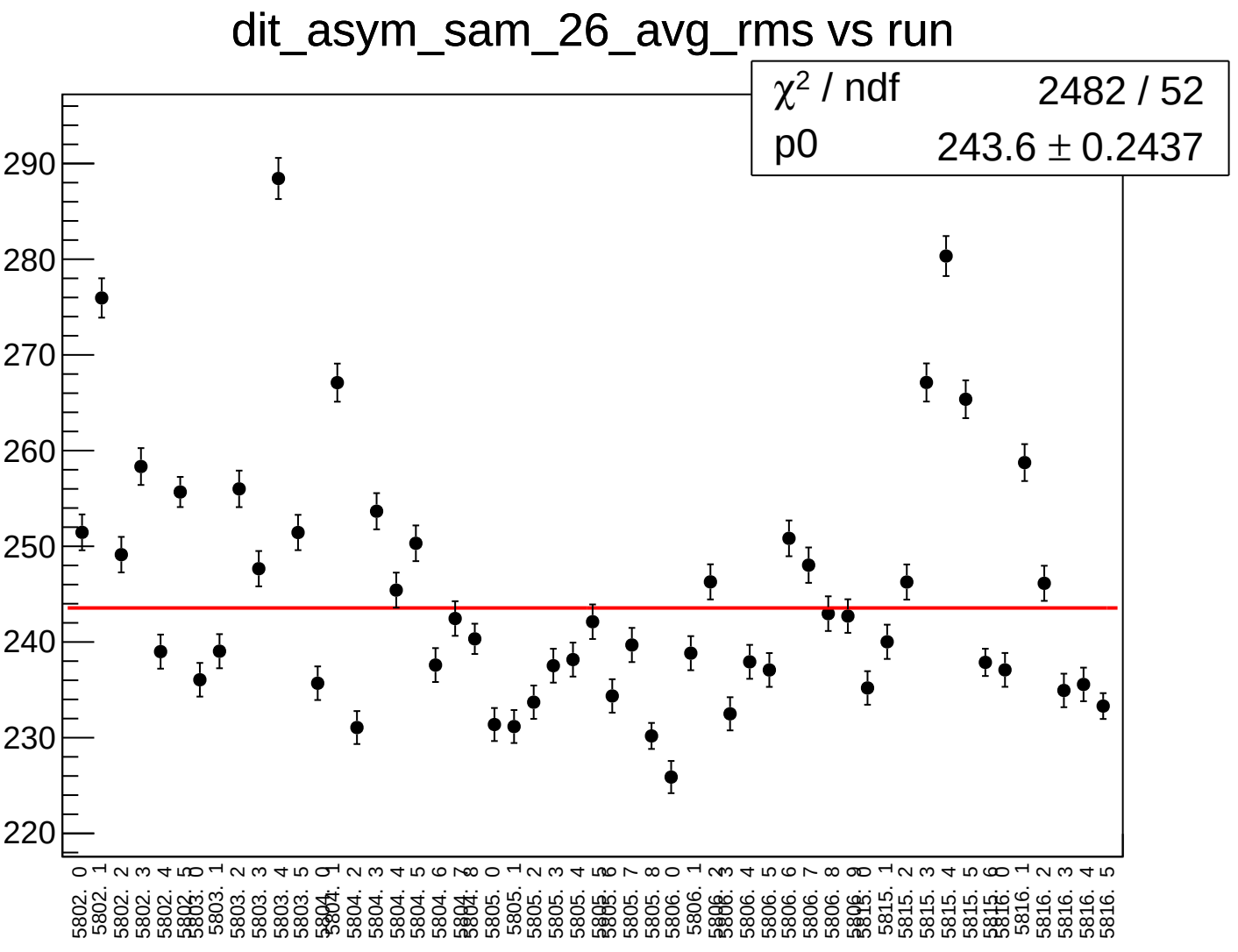

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.87 / 52
p0 1045 ± 3293
pull
Entries 53
Mean −112.4
Std Dev 0

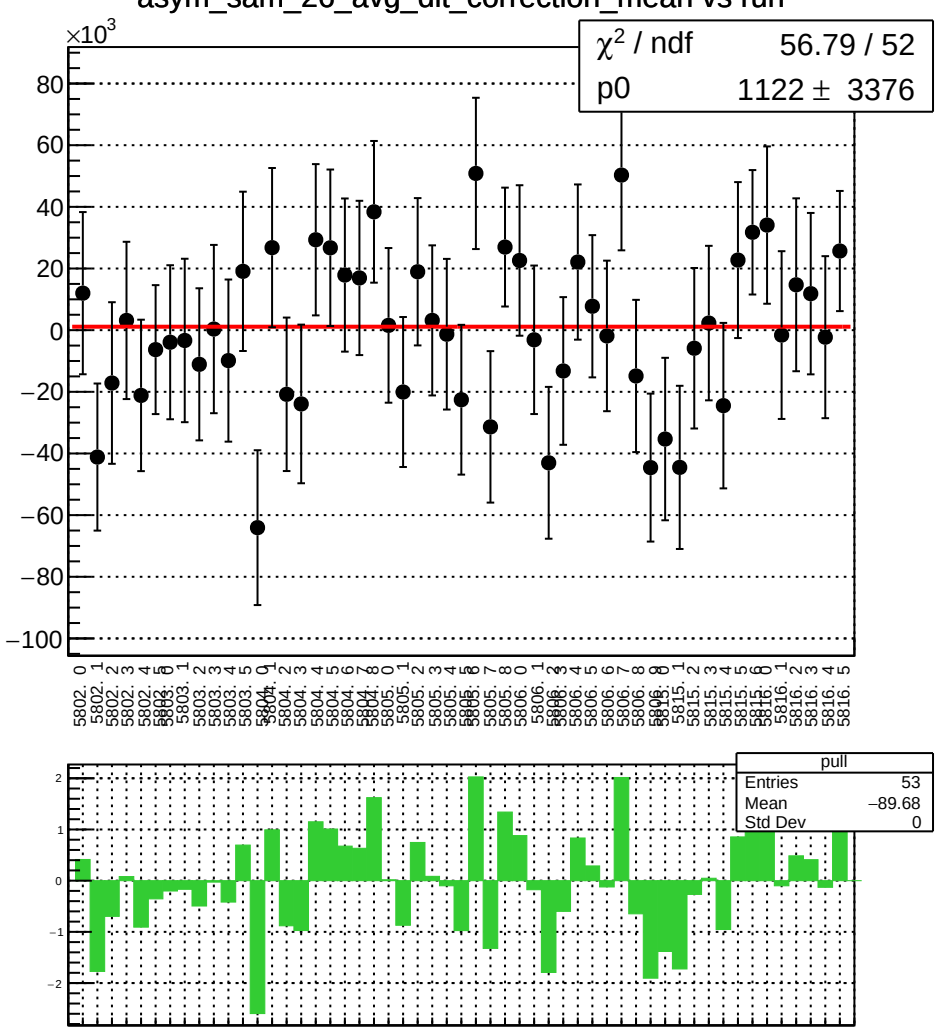

pull1D
Entries 53
Mean −0.01895
Std Dev 1.036

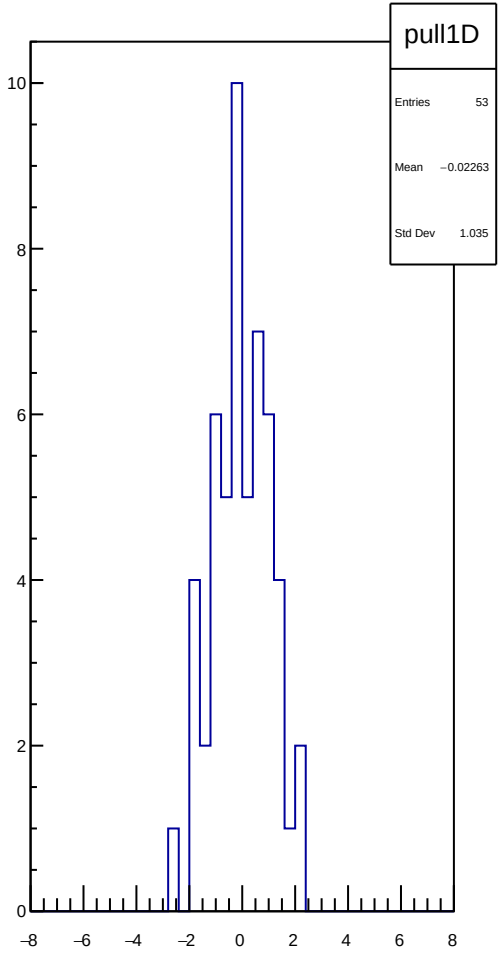

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 1970 / 52
p0 2328 ± 2.329
2600
2500
2400
2300
2200
2100

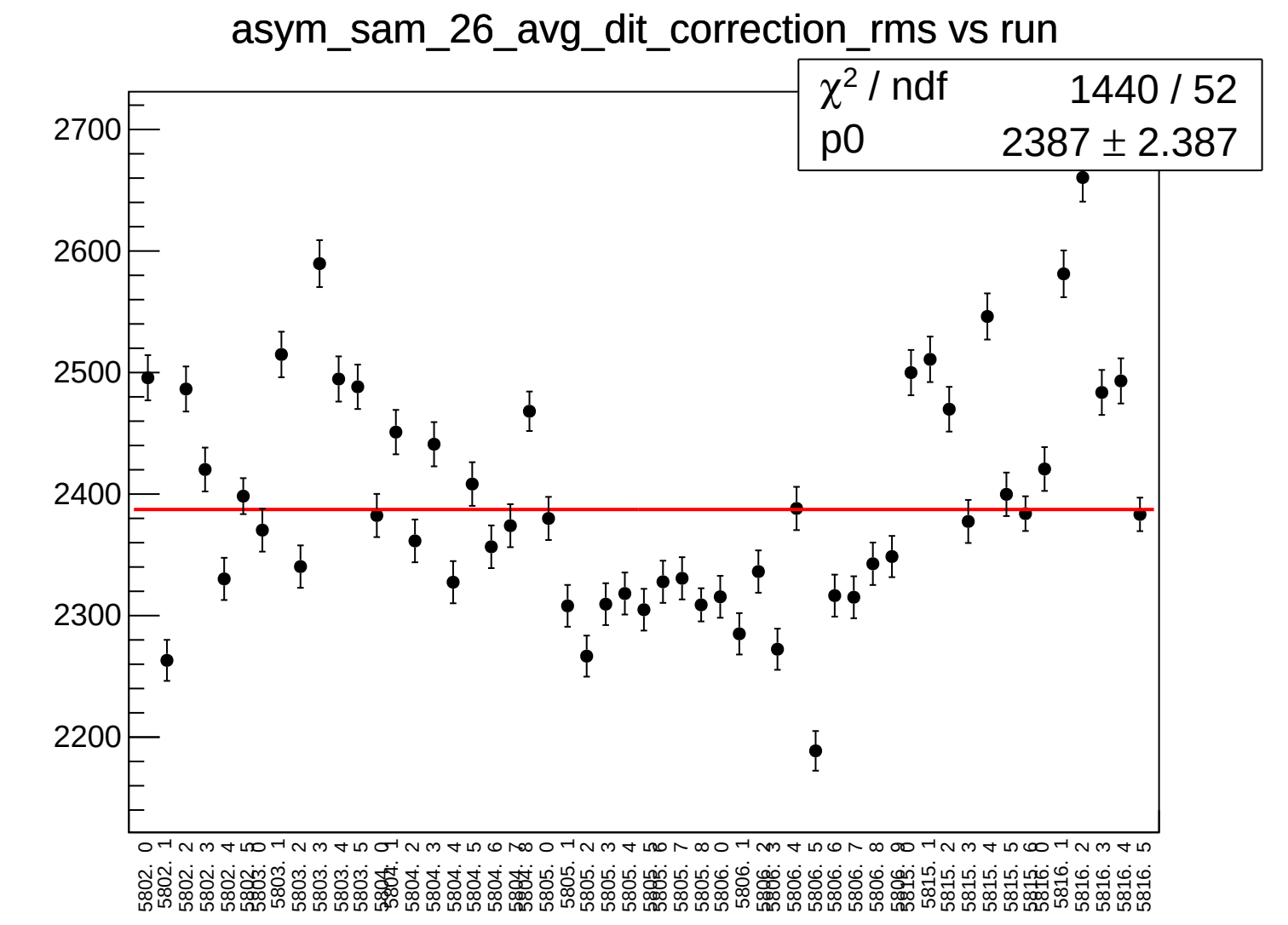

dit_asym_sam_26_avg_mean vs run
χ² / ndf 53.59 / 52
p0 281.2 ± 344.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −238.6
Std Dev 0
2
1
0
−1
−2

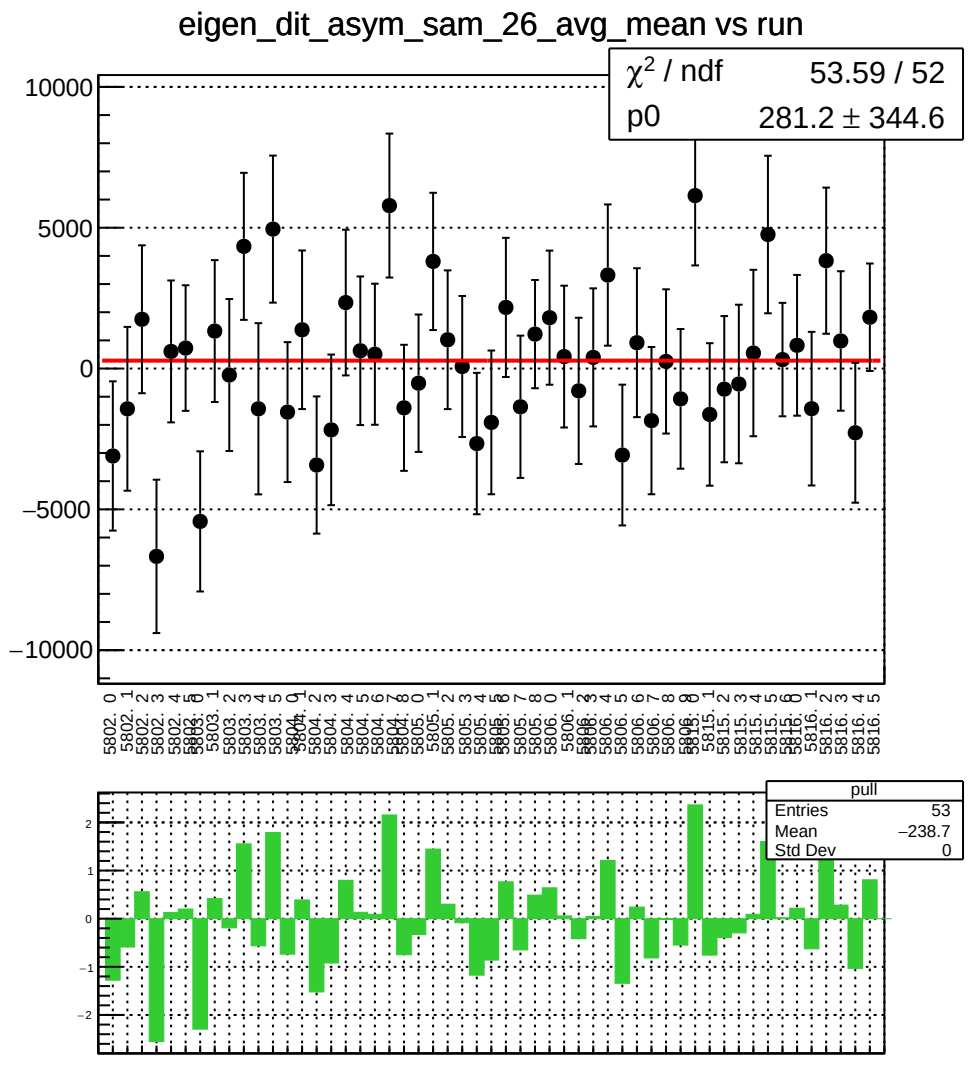

pull1D
Entries 53
Mean −0.01034
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

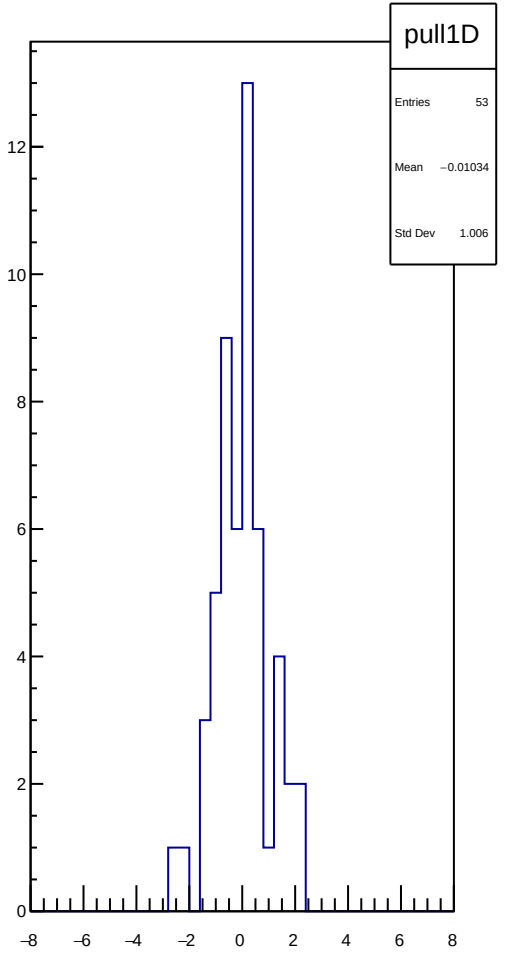

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2482 / 52
p0 243.6 ± 0.2437
290
280
270
260
250
240
230
220

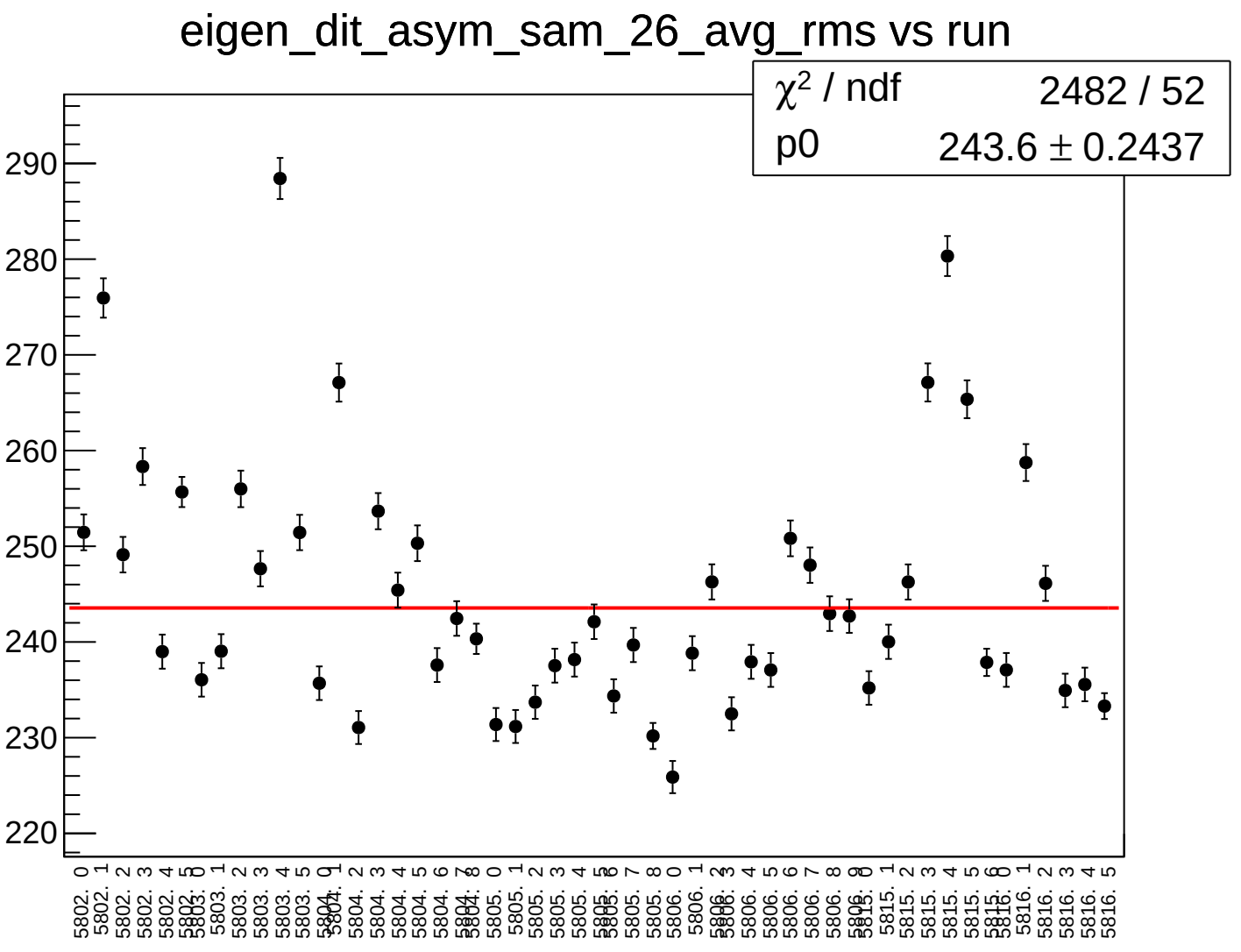

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 56.79 / 52
p0 1122 ± 3376
pull
Entries 53
Mean −89.68
Std Dev 0

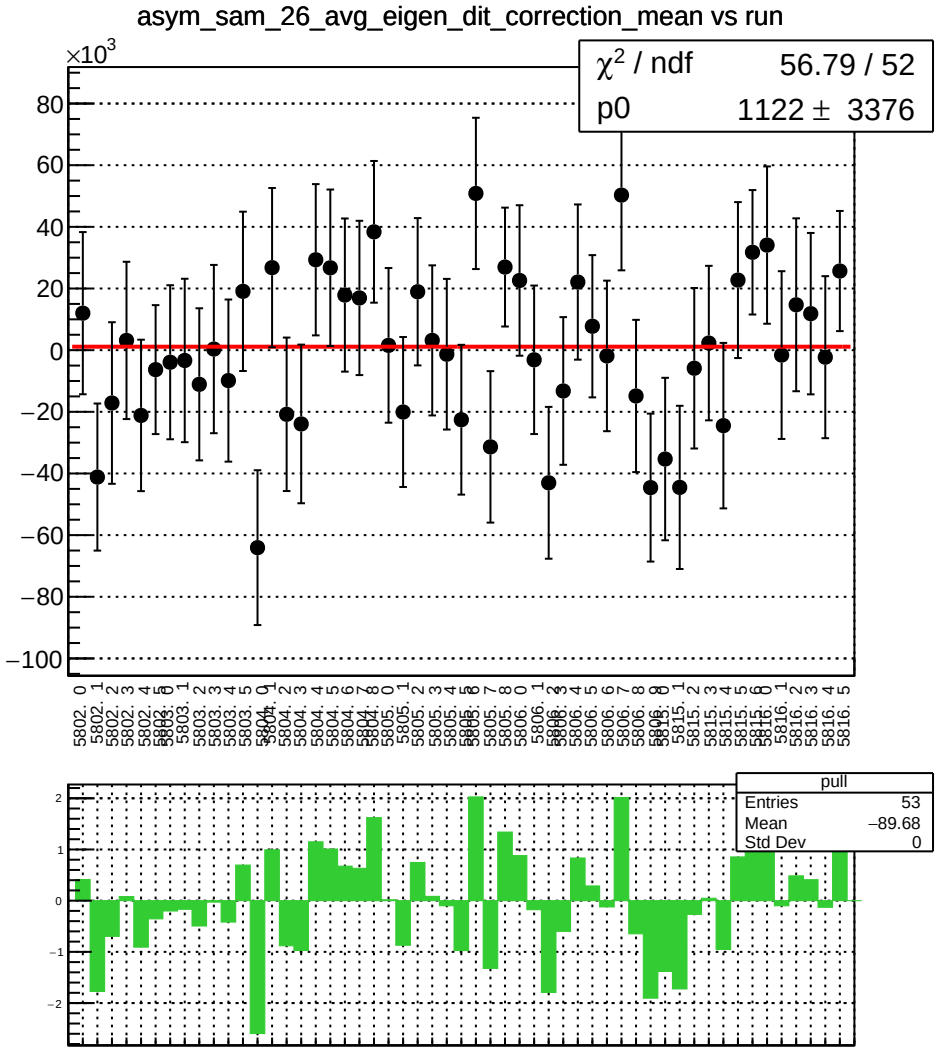

pull1D
Entries 53
Mean −0.02263
Std Dev 1.035

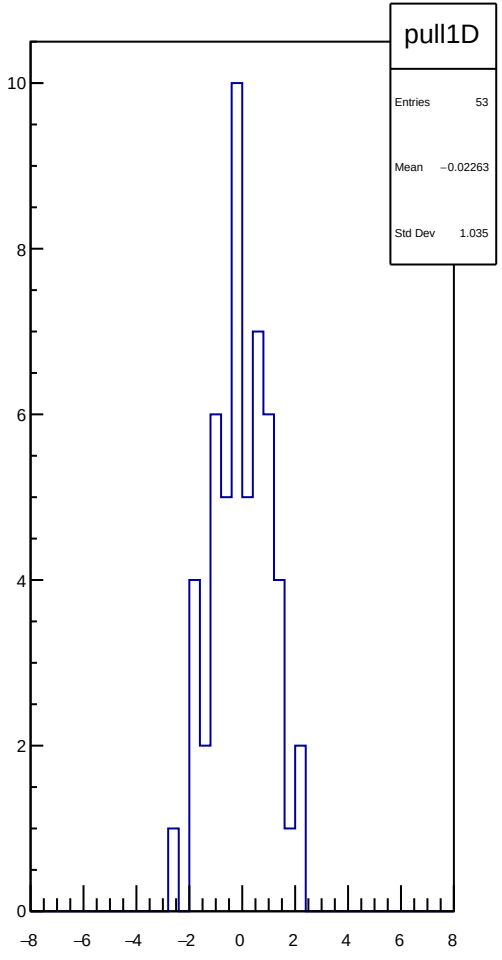

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 1440 / 52
p0 2387 ± 2.387
2700
2600
2500
2400
2300
2200

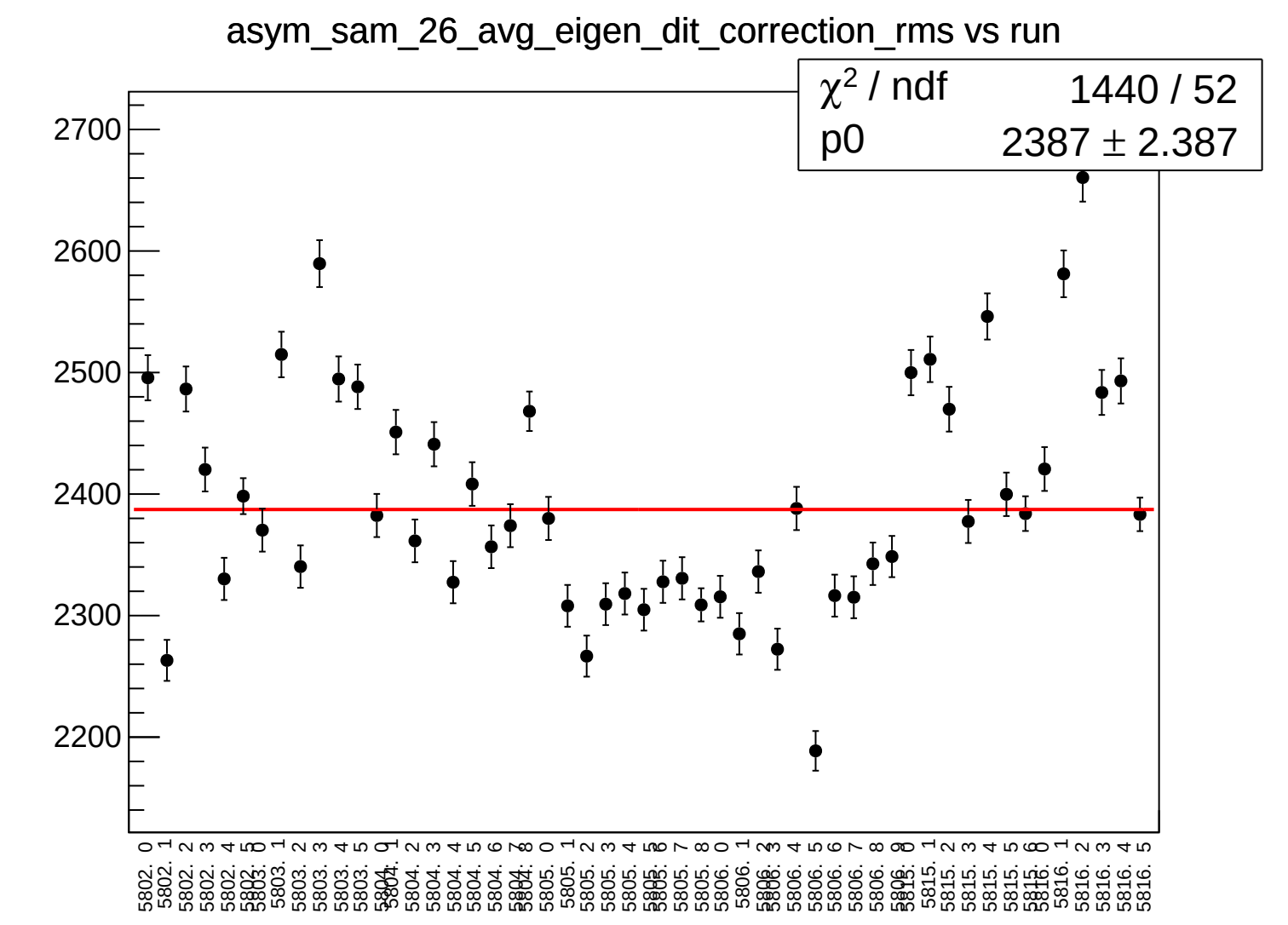

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 53.59 / 52
p0 281.2 ± 344.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −238.7
Std Dev 0
2
1
0
−1
−2

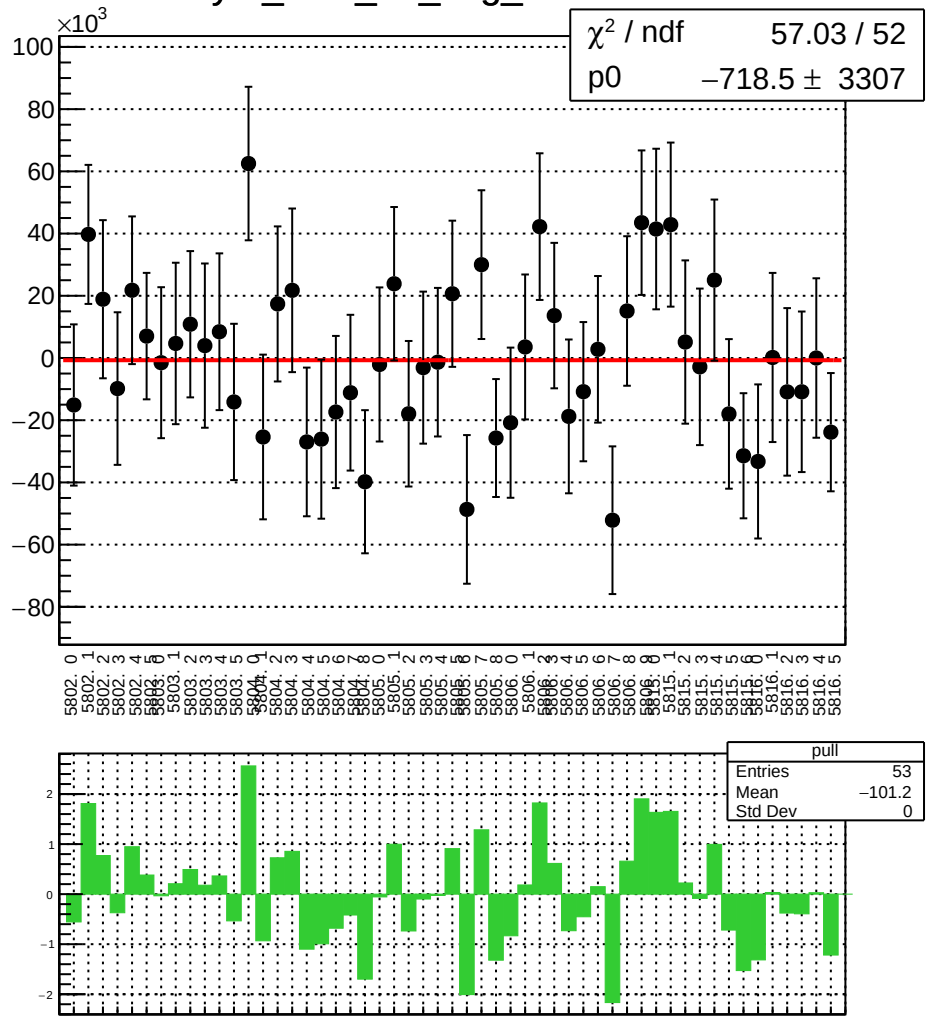

pull1D
Entries 53
Mean −0.01034
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

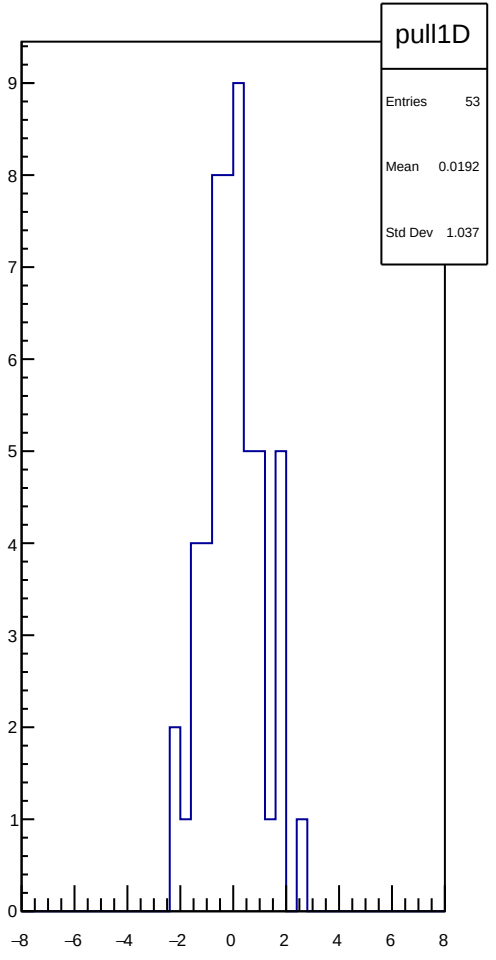

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2482 / 52
p0 243.6 ± 0.2437
290
280
270
260
250
240
230
220

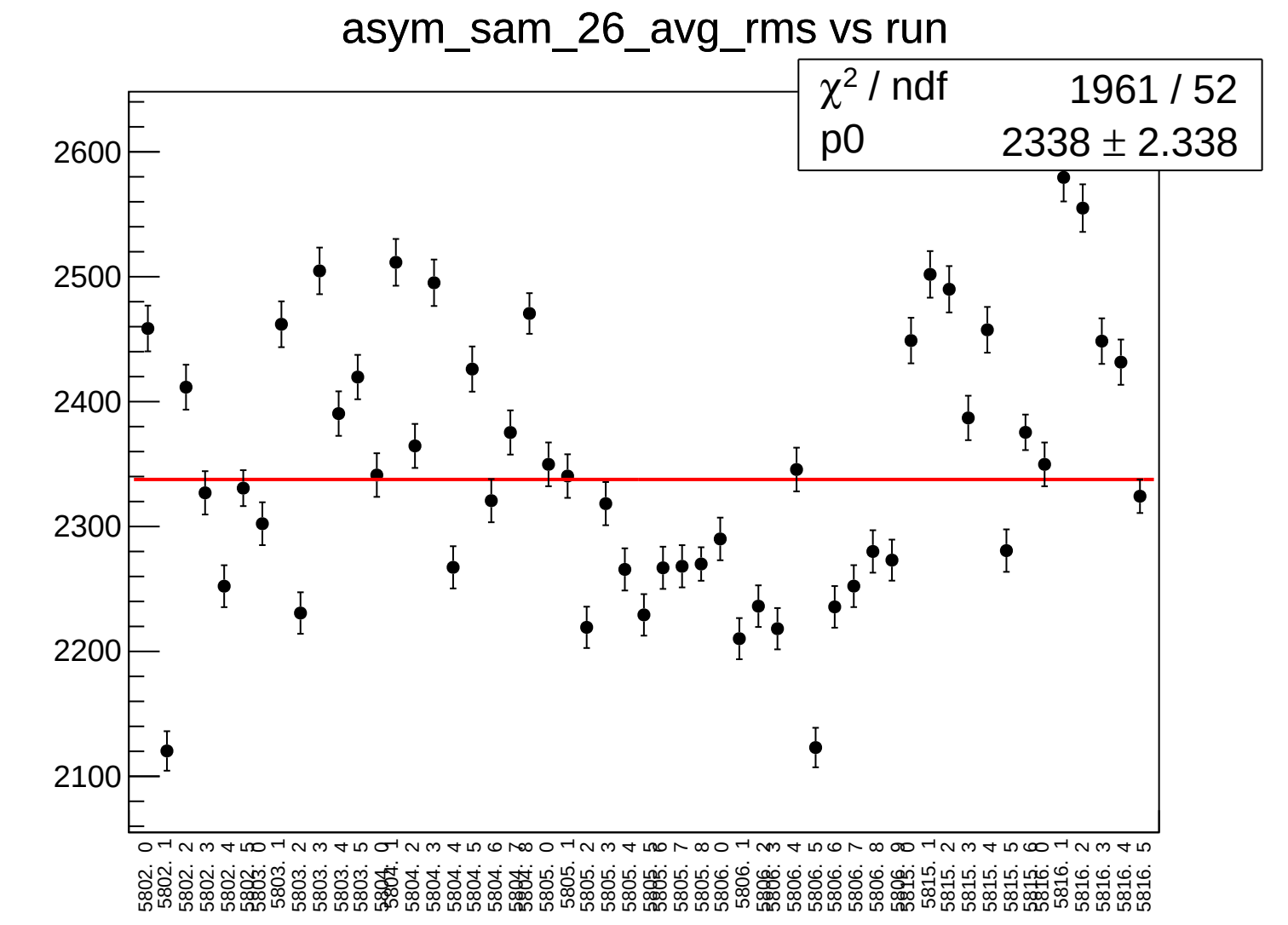

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.79 / 52
p0 1122 ± 3376
pull
Entries 53
Mean −89.68
Std Dev 0

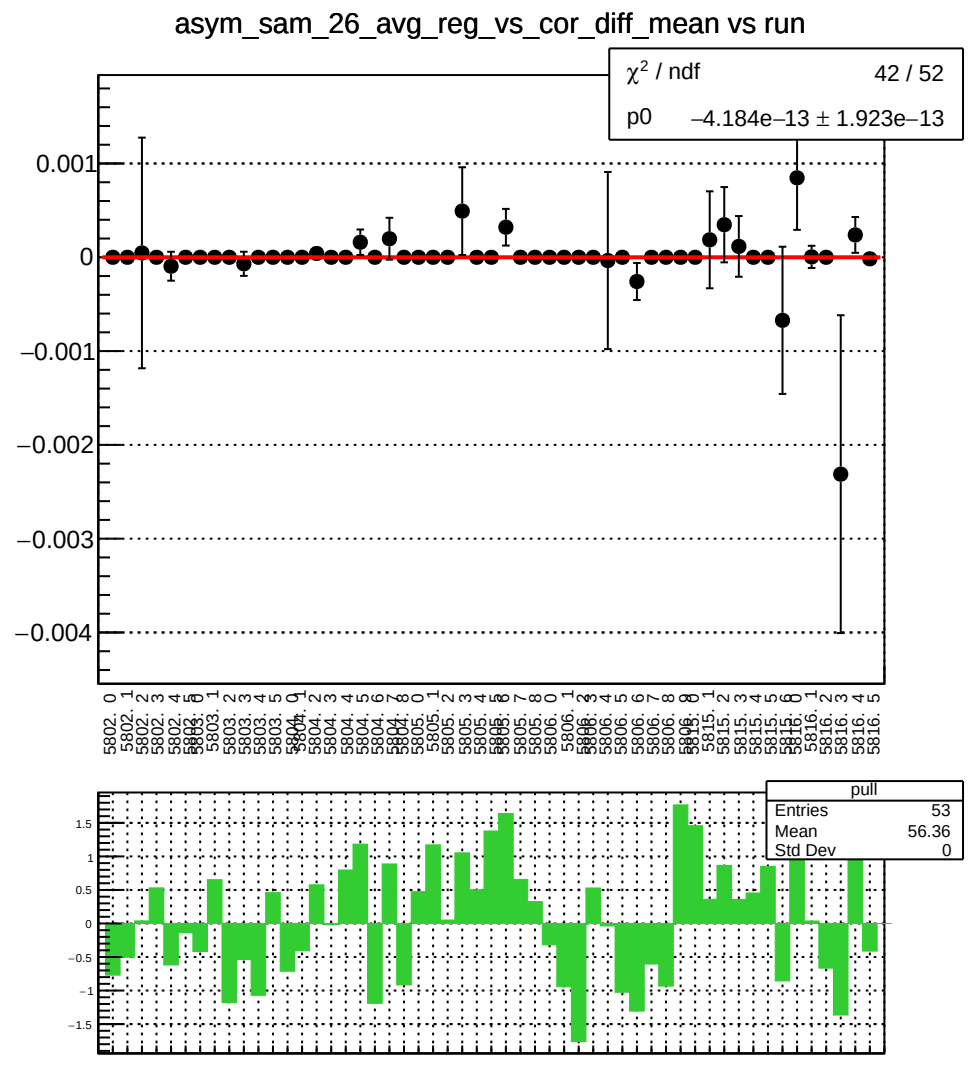

pull1D
Entries 53
Mean −0.02263
Std Dev 1.035

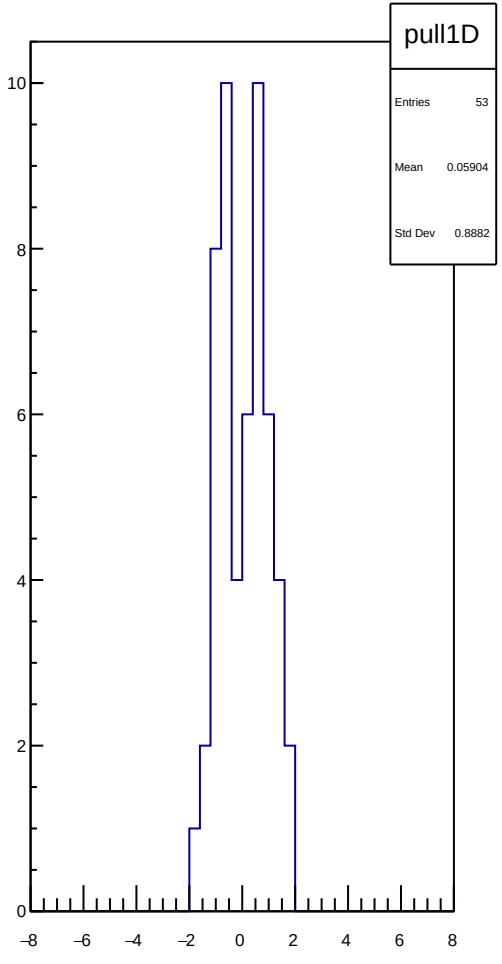

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 1440 / 52
p0 2387 ± 2.387
2700
2600
2500
2400
2300
2200

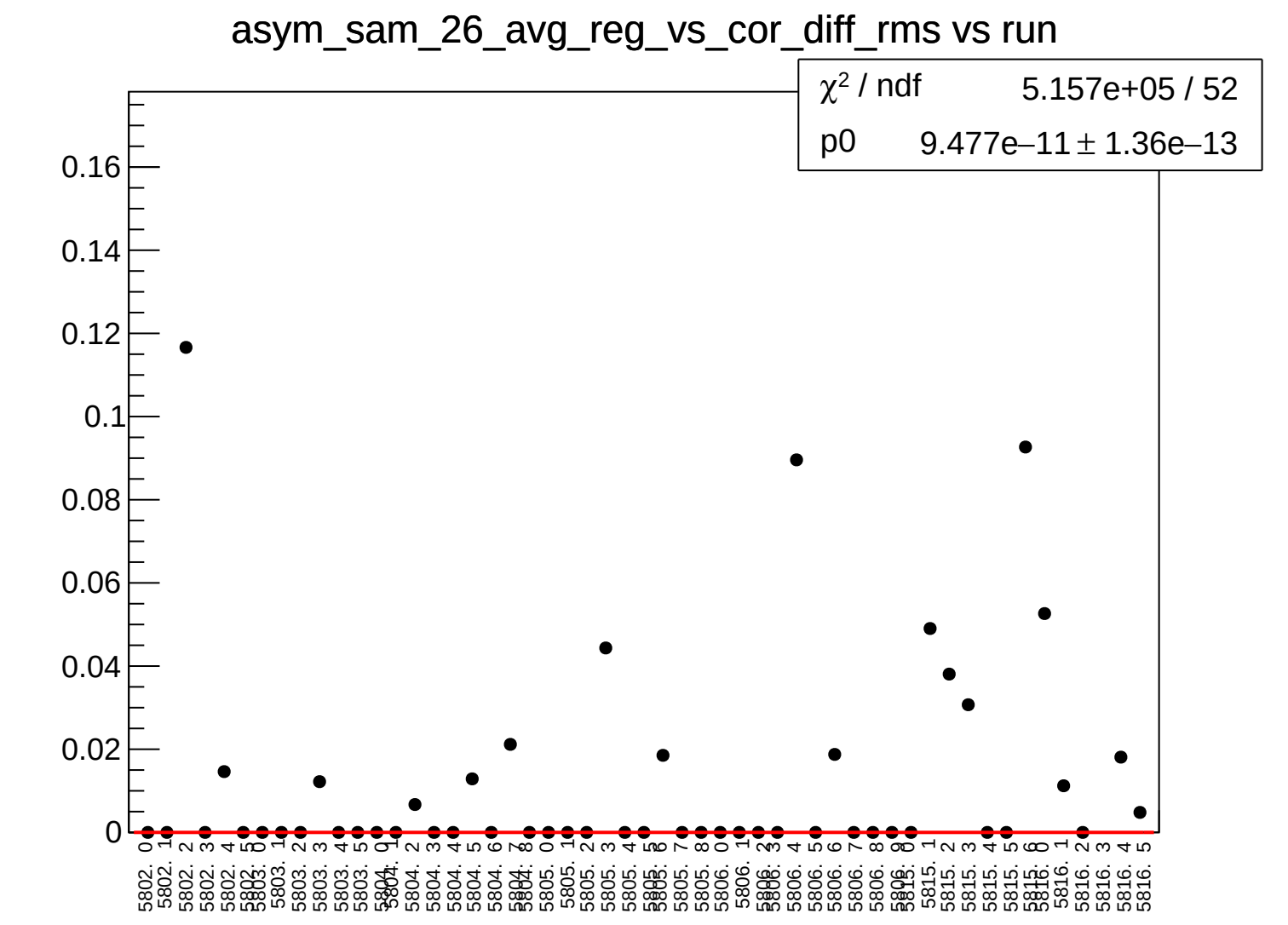

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 57.03 / 52
p0 −718.5 ± 3307
pull
Entries 53
Mean −101.2
Std Dev 0

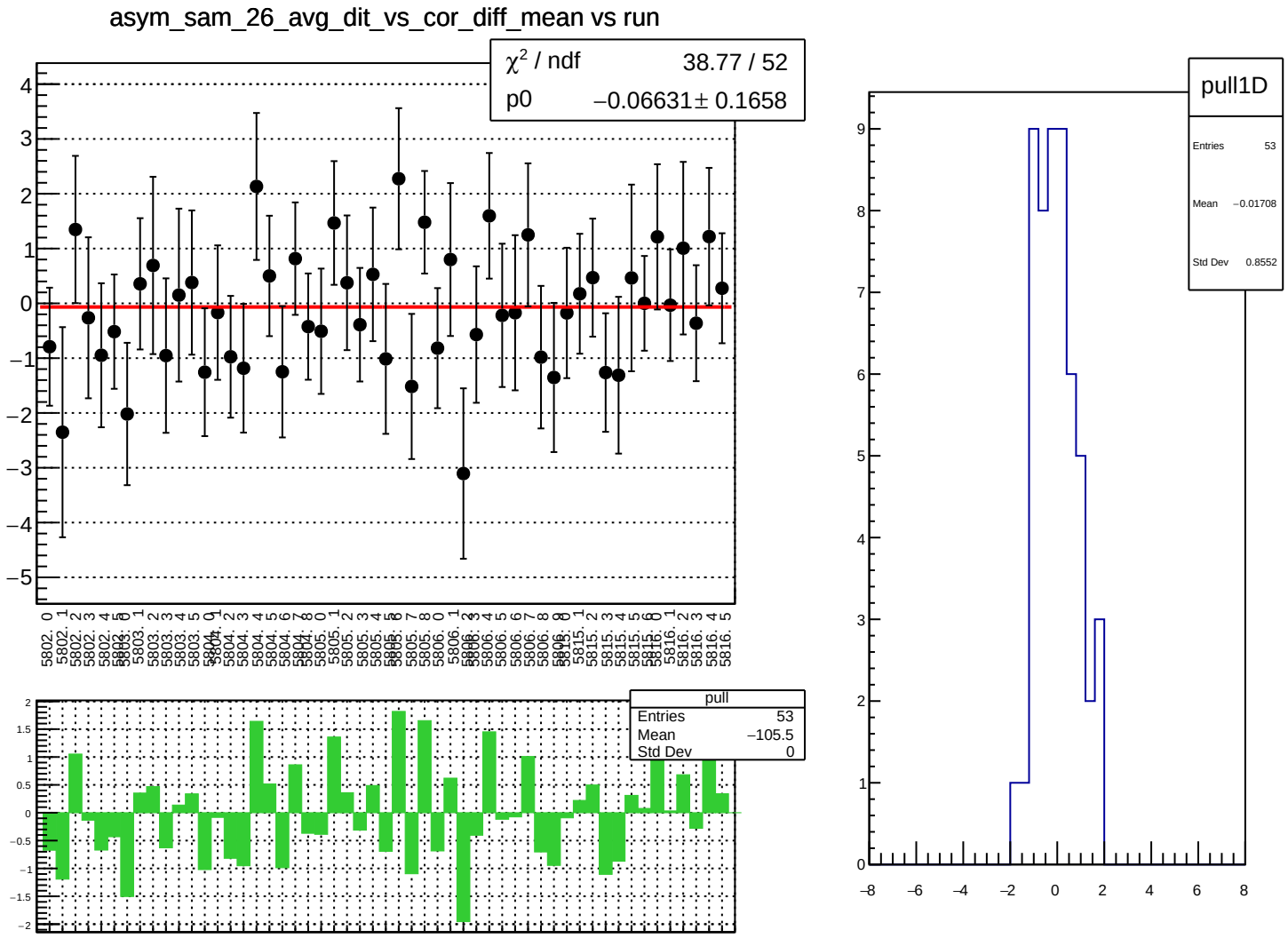

pull1D
Entries 53
Mean 0.0192
Std Dev 1.037

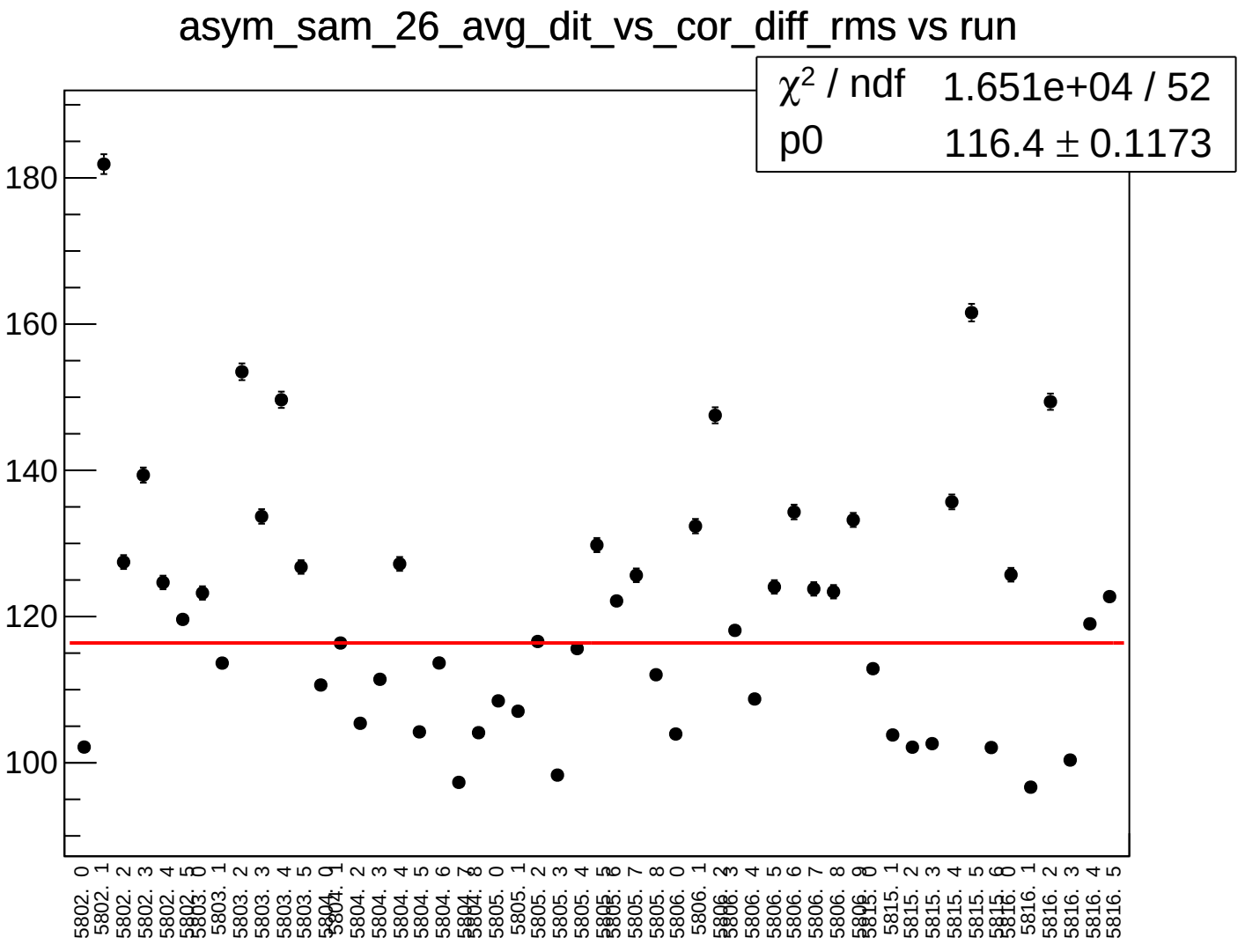

asym_sam_26_avg_rms vs run
χ² / ndf 1961 / 52
p0 2338 ± 2.338
2600
2500
2400
2300
2200
2100

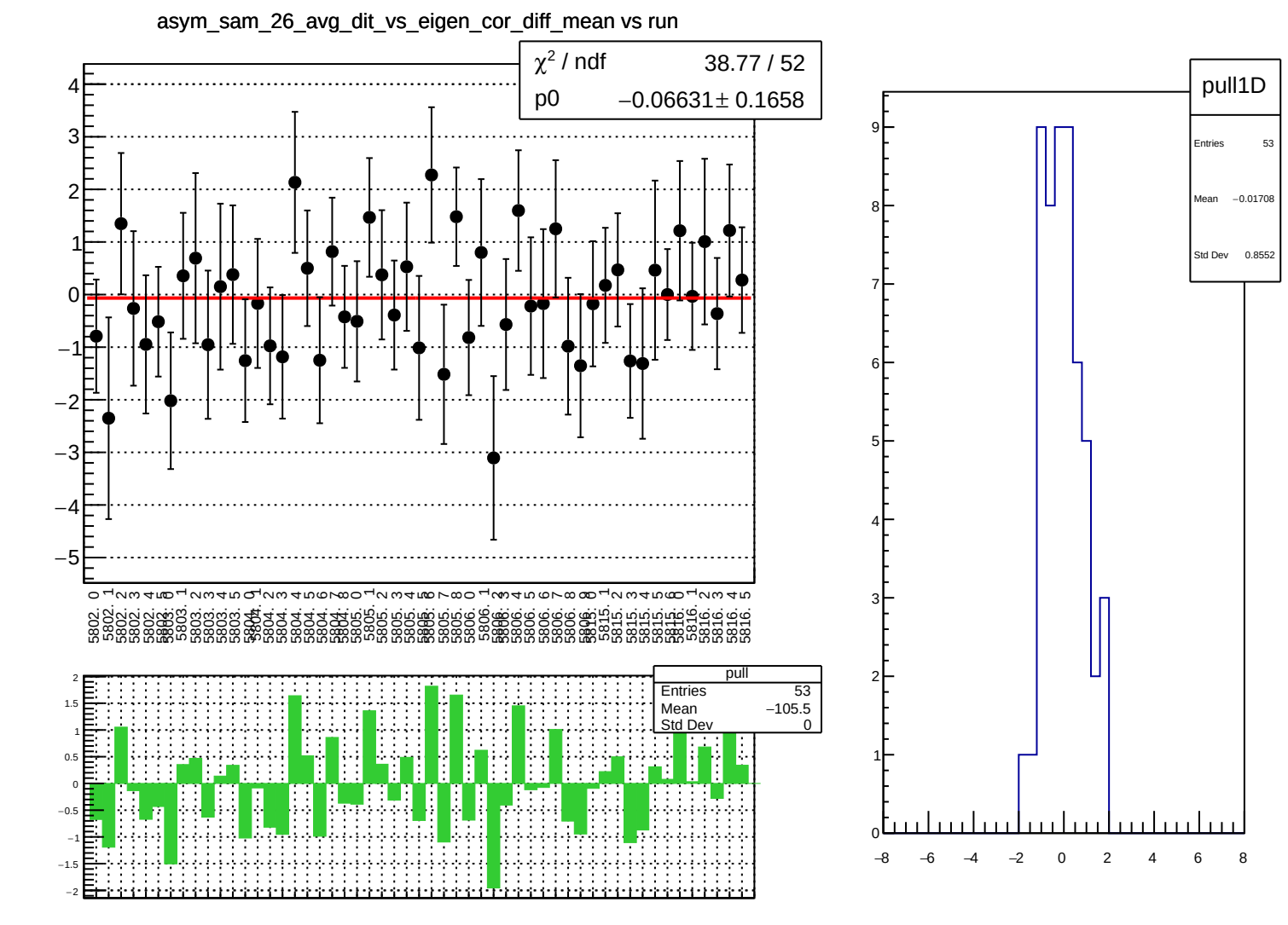

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42 / 52
p0 −4.184e−13 ± 1.923e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 53
Mean 56.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

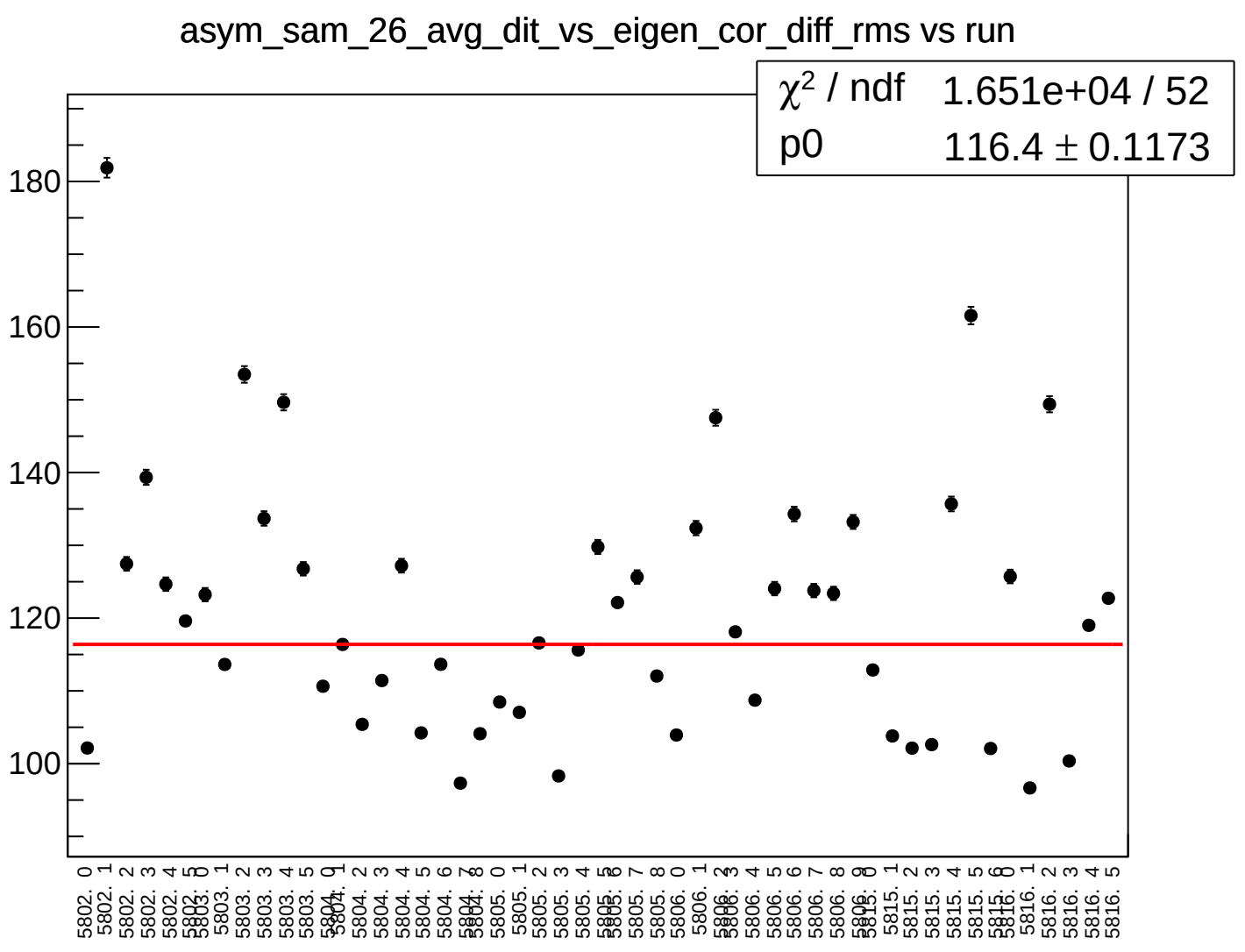

pull1D
Entries 53
Mean 0.05904
Std Dev 0.8882
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

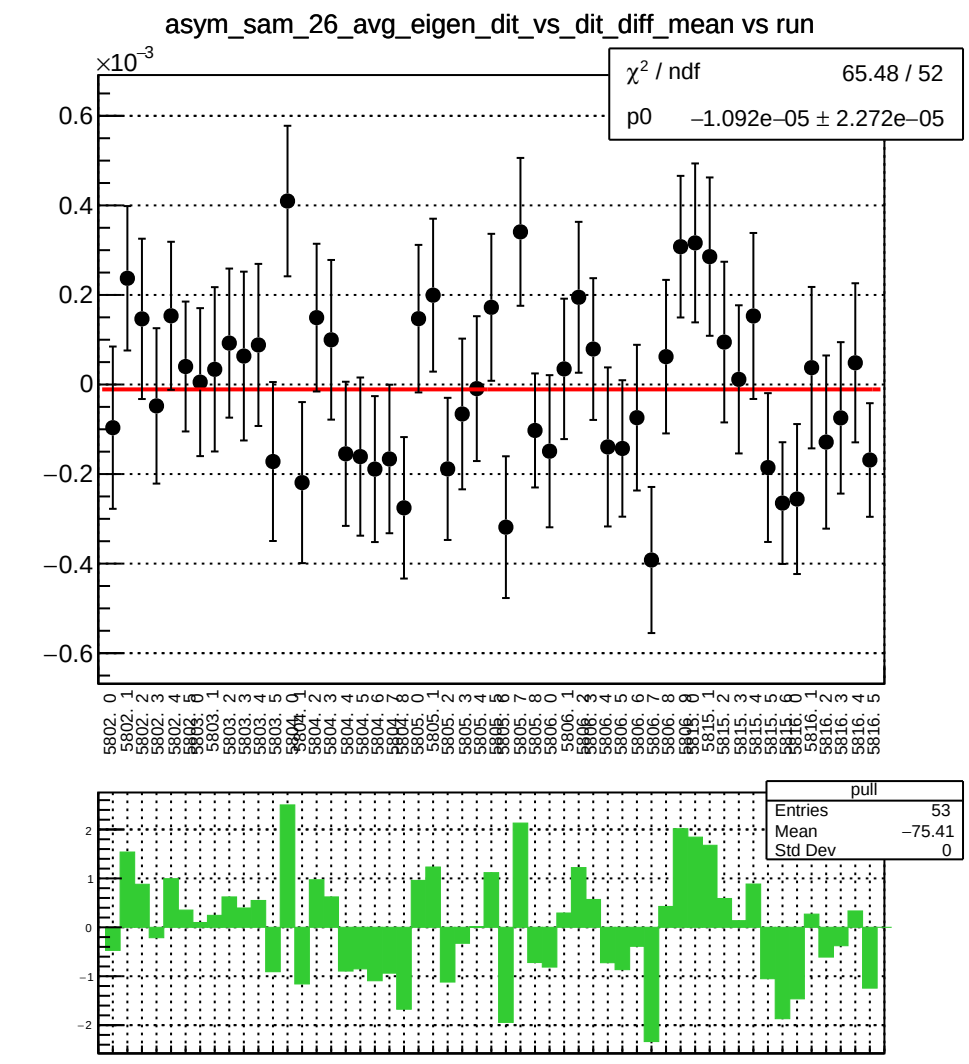

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.157e+05 / 52
p0 9.477e−11 ± 1.36e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

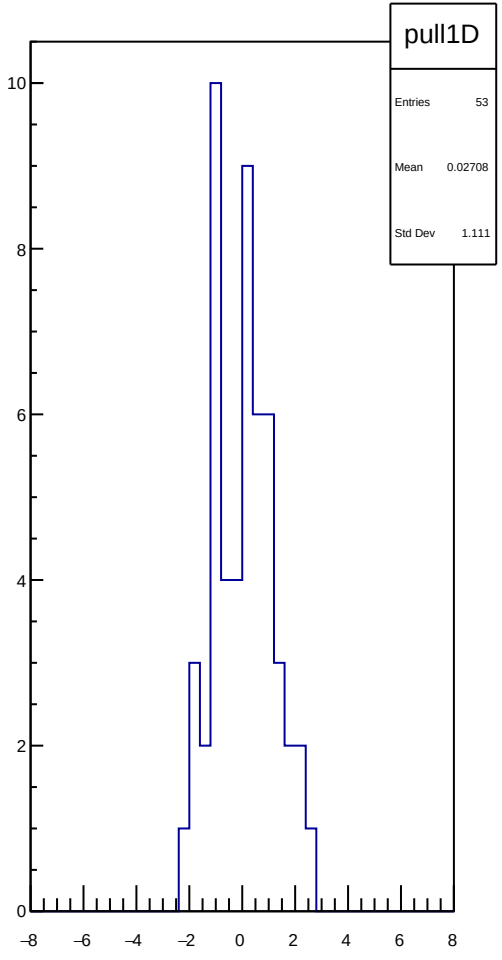

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.77 / 52
p0 −0.06631± 0.1658
pull
Entries 53
Mean −105.5
Std Dev 0
pull1D
Entries 53
Mean −0.01708
Std Dev 0.8552

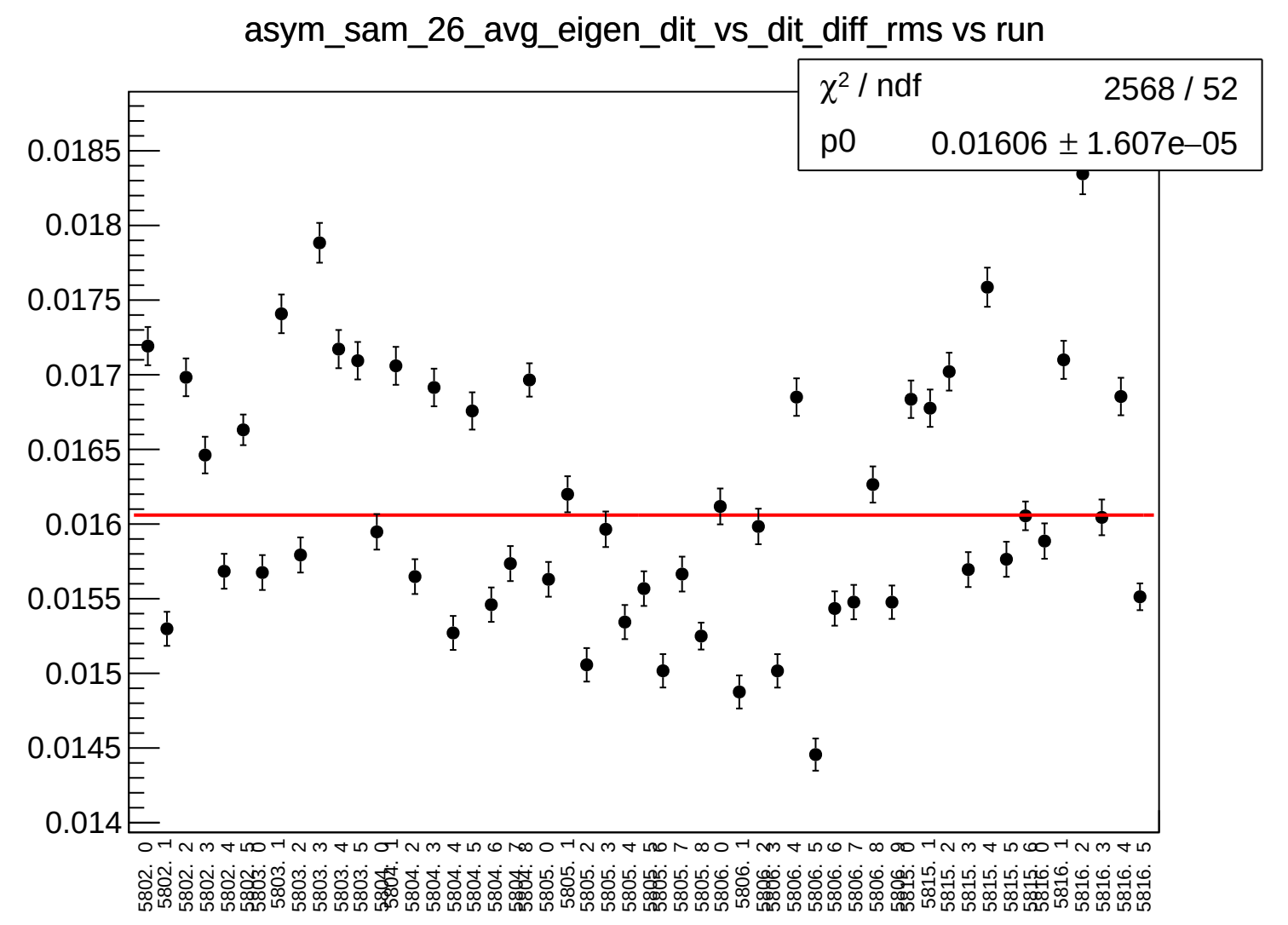

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.651e+04 / 52
p0 116.4 ± 0.1173
180
160
140
120
100

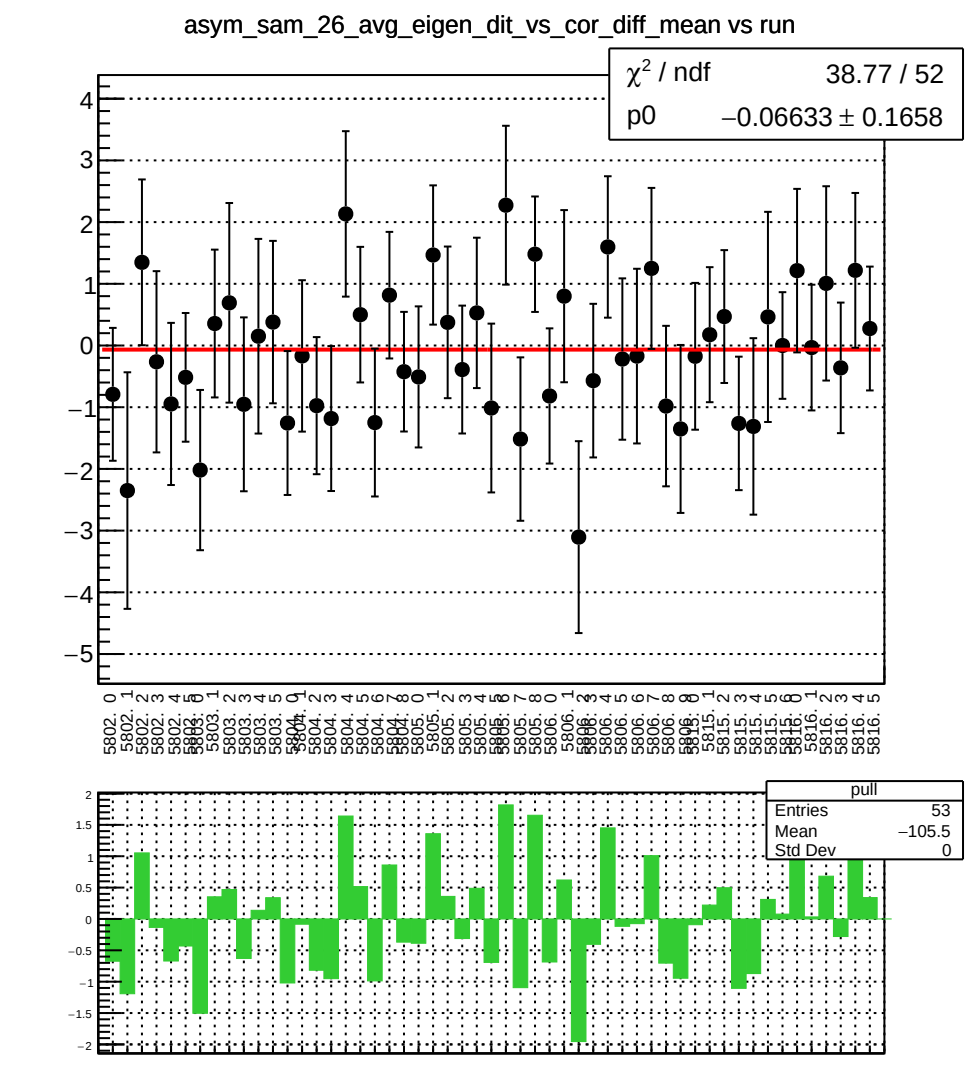

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.77 / 52
p0 −0.06631 ± 0.1658
pull
Entries 53
Mean −105.5
Std Dev 0
pull1D
Entries 53
Mean −0.01708
Std Dev 0.8552

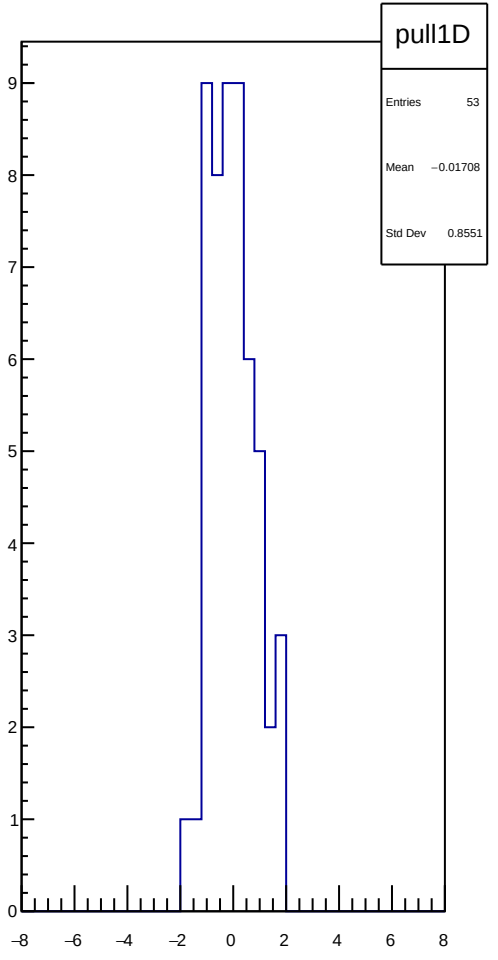

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.651e+04 / 52
p0 116.4 ± 0.1173
180
160
140
120
100

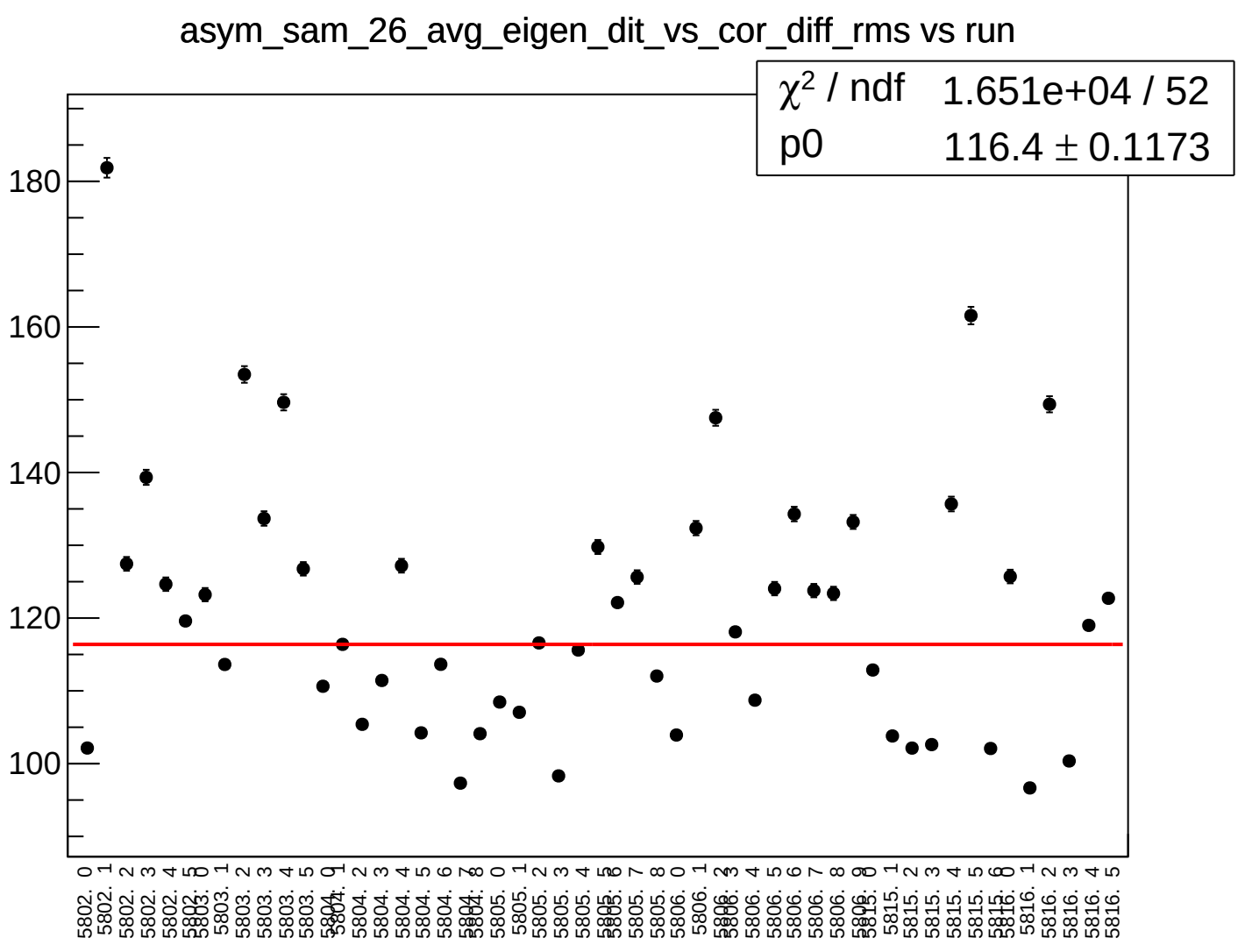

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.48 / 52
p0 −1.092e−05 ± 2.272e−05
pull
Entries 53
Mean −75.41
Std Dev 0

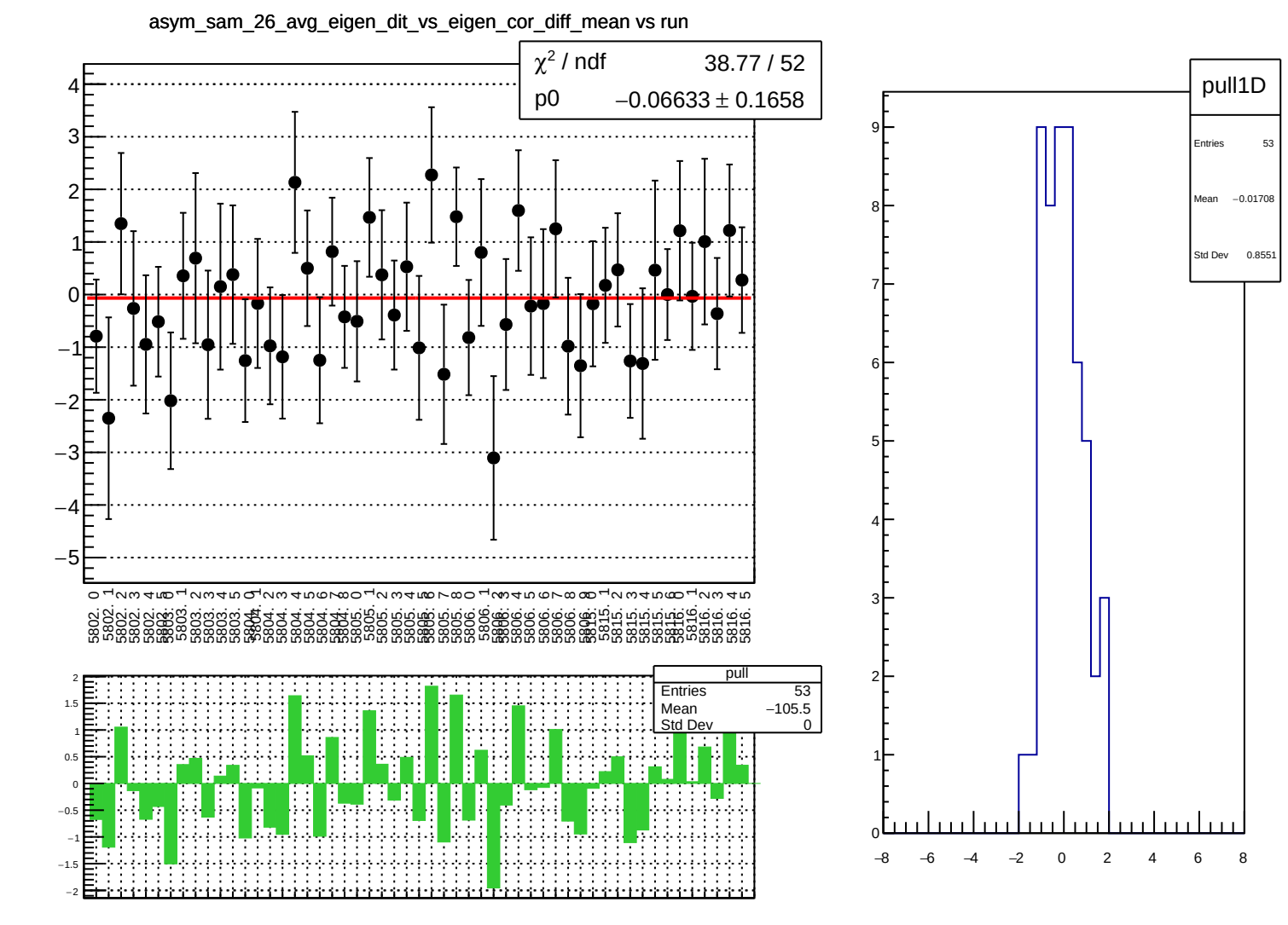

pull1D
Entries 53
Mean 0.02708
Std Dev 1.111

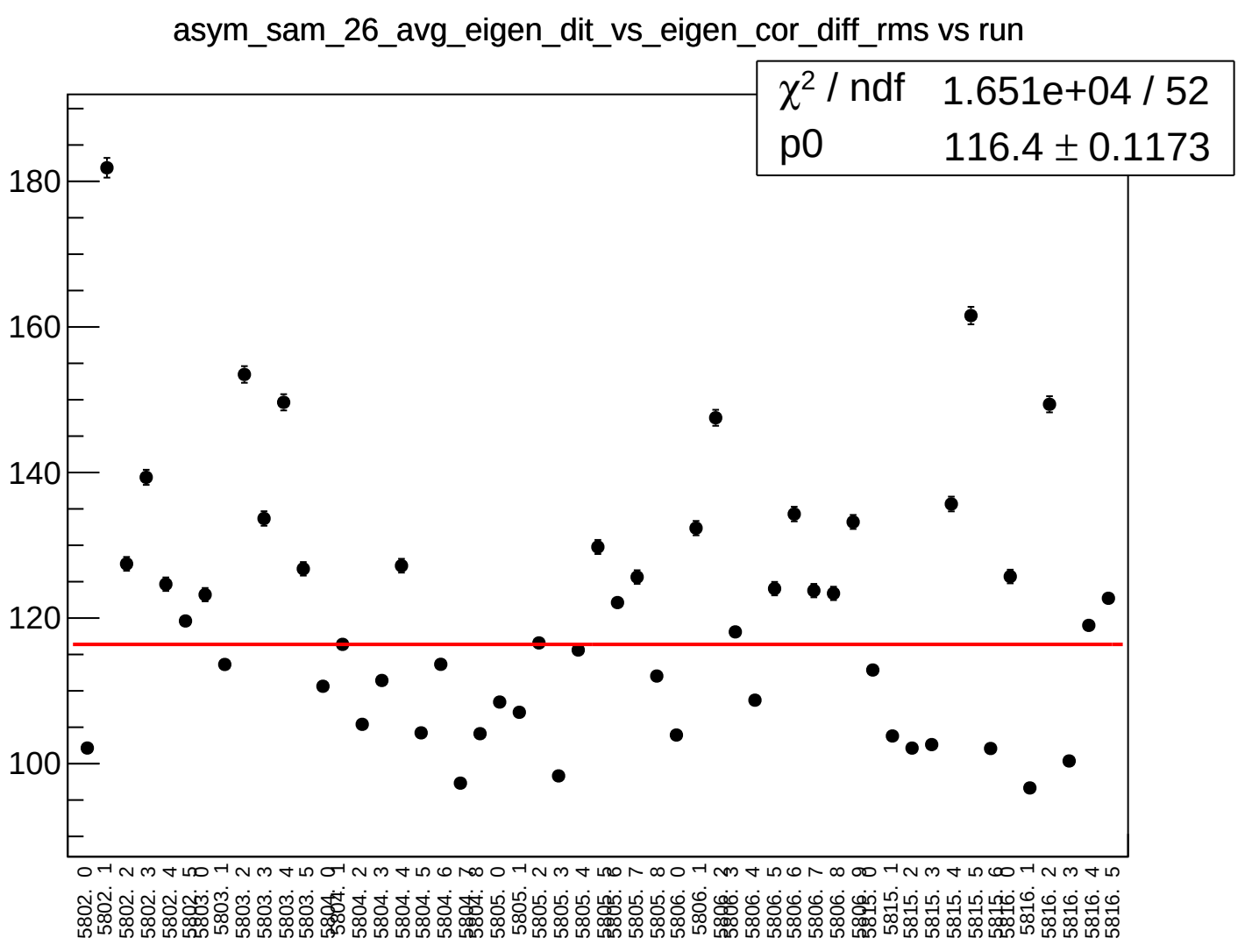

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2568 / 52
p0 0.01606 ± 1.607e−05
0.0185
0.018
0.0175
0.017
0.0165
0.016
0.0155
0.015
0.0145
0.014

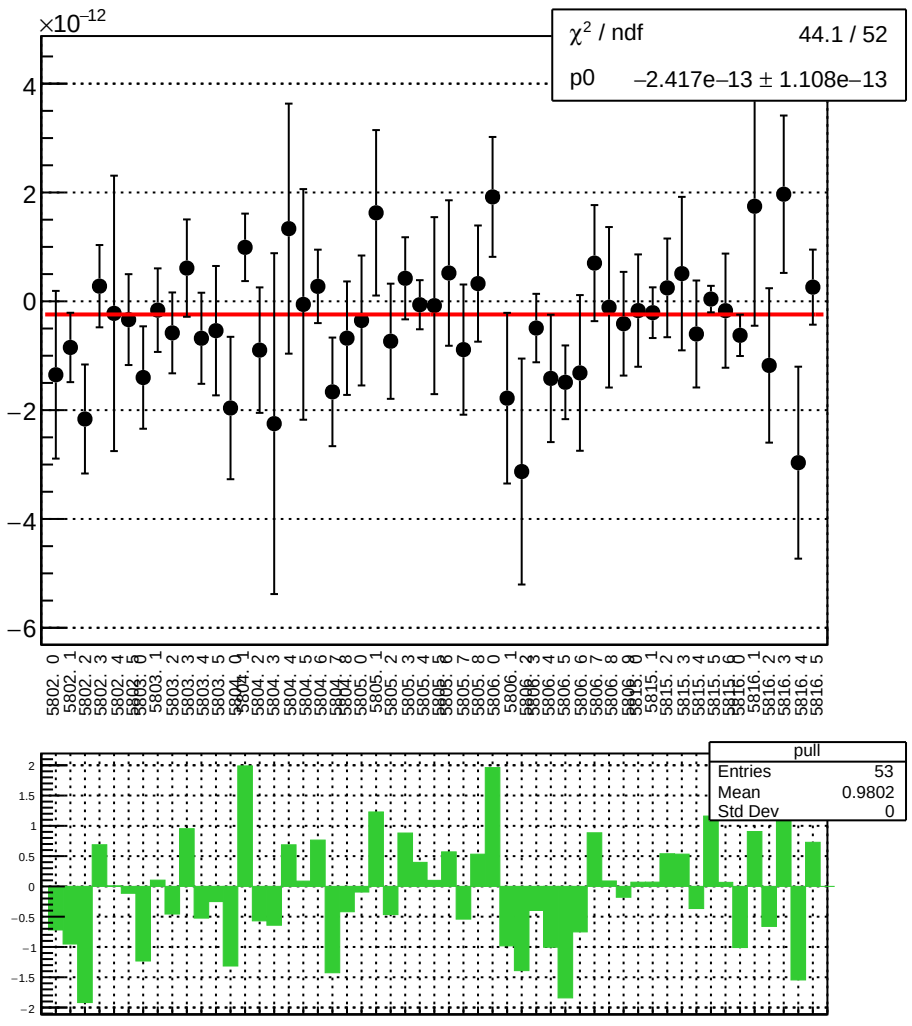

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.77 / 52
p0 −0.06633 ± 0.1658
pull
Entries 53
Mean −105.5
Std Dev 0

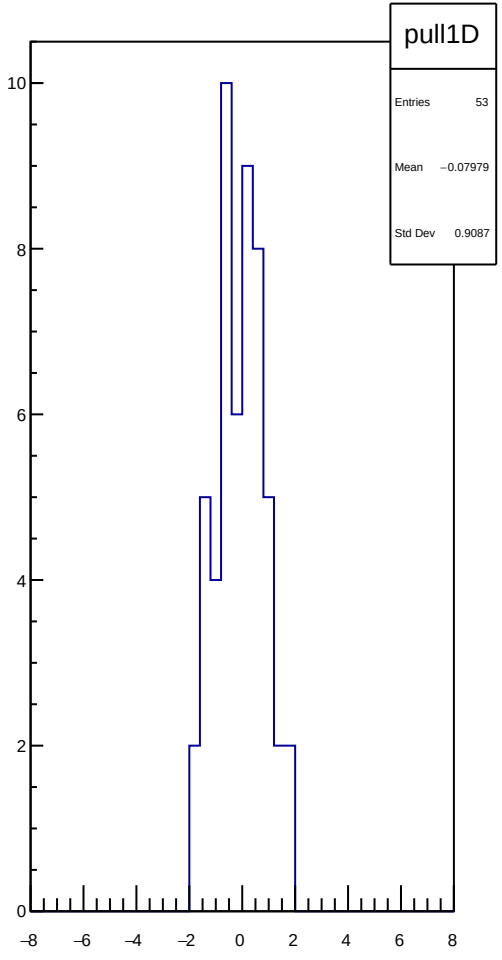

pull1D
Entries 53
Mean −0.01708
Std Dev 0.8551

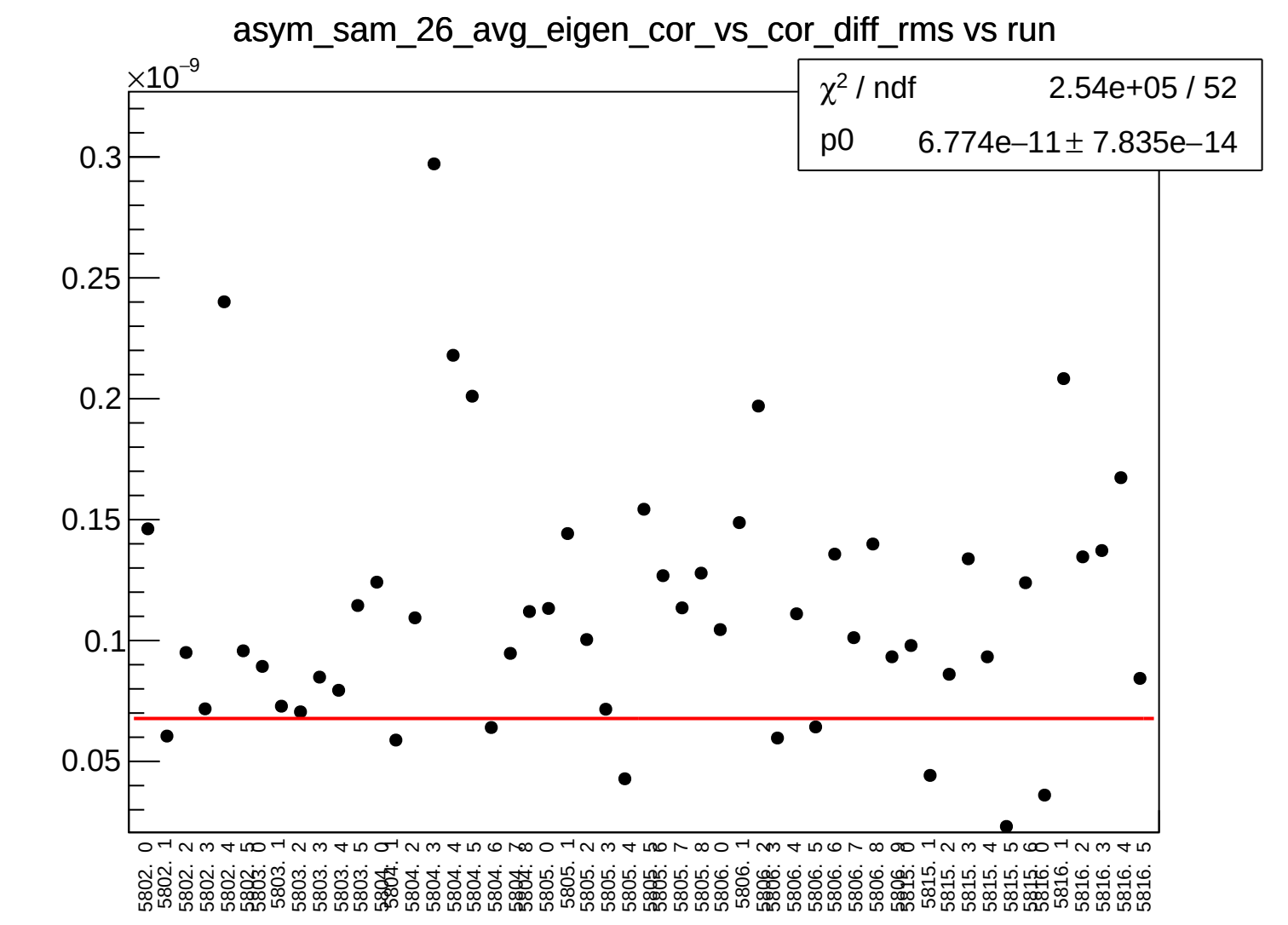

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.651e+04 / 52
p0 116.4 ± 0.1173
180
160
140
120
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

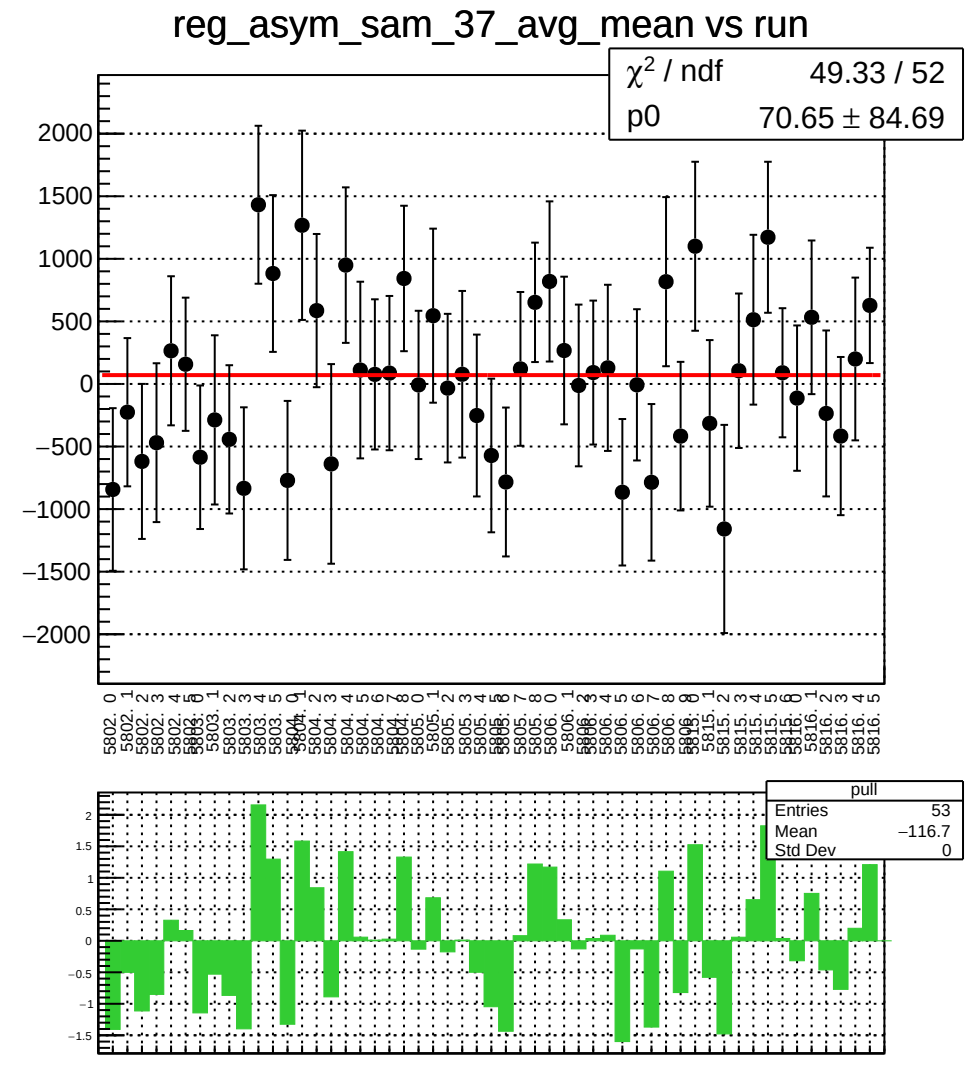

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.77 / 52
p0 −0.06633 ± 0.1658
pull
Entries 53
Mean −105.5
Std Dev 0
pull1D
Entries 53
Mean −0.01708
Std Dev 0.8551

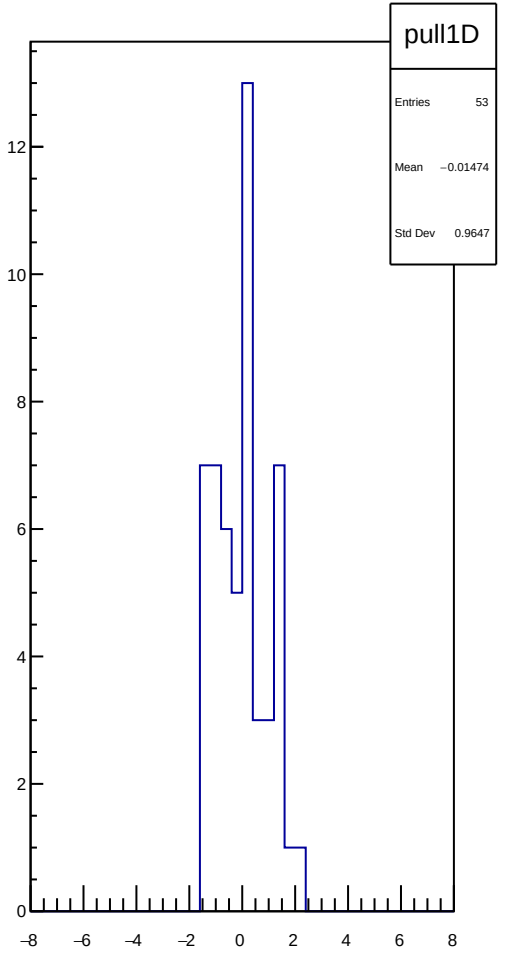

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.651e+04 / 52
p0 116.4 ± 0.1173
180
160
140
120
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

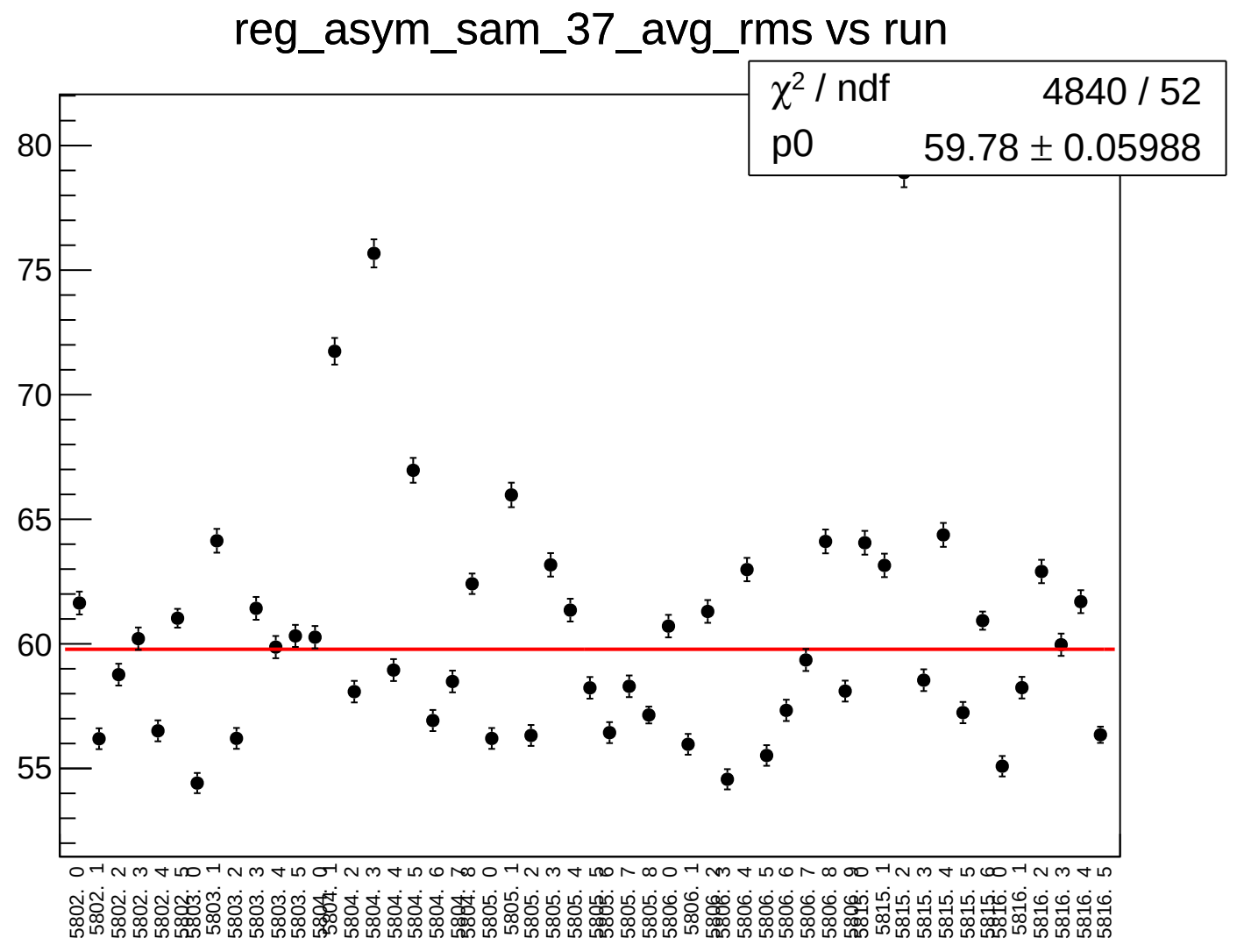

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 44.1 / 52
p0 −2.417e−13 ± 1.108e−13
pull
Entries 53
Mean 0.9802
Std Dev 0

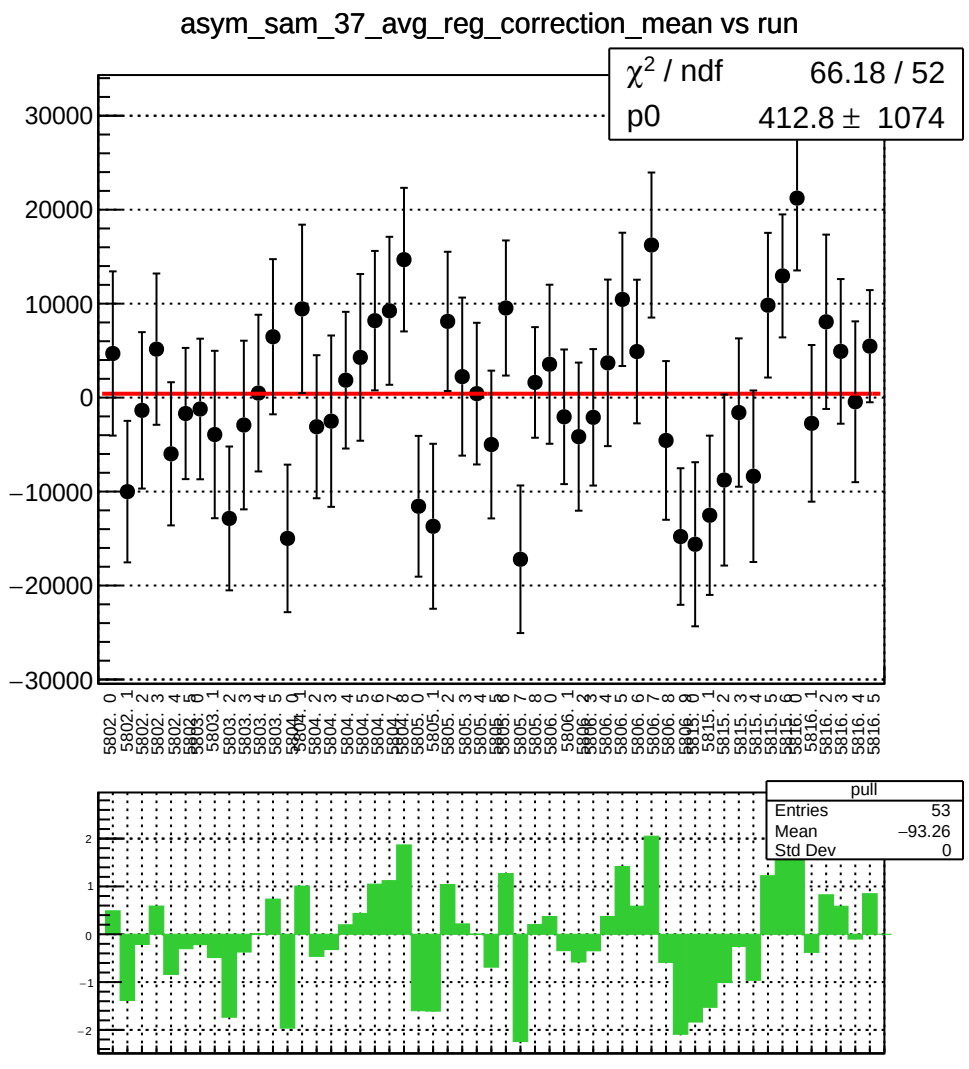

pull1D
Entries 53
Mean −0.07979
Std Dev 0.9087

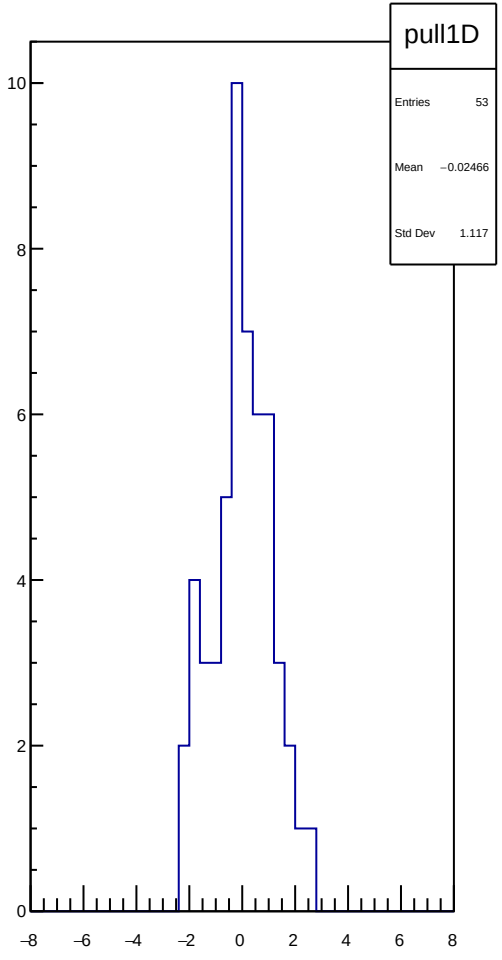

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.54e+05 / 52
p0 6.774e−11 ± 7.835e−14
0.3
0.25
0.2
0.15
0.1
0.05

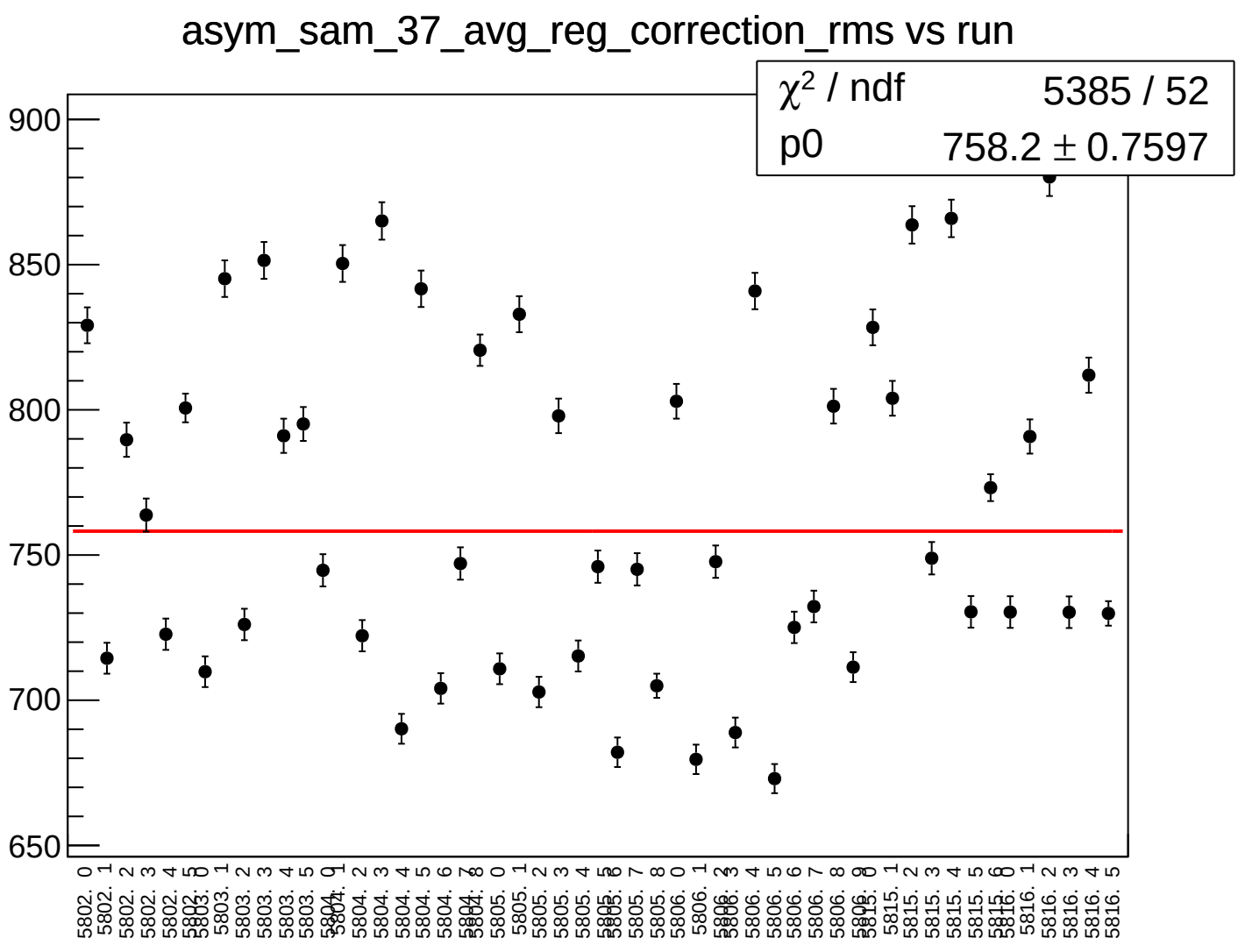

reg_asym_sam_37_avg_mean vs run
χ² / ndf 49.33 / 52
p0 70.65 ± 84.69
pull
Entries 53
Mean −116.7
Std Dev 0

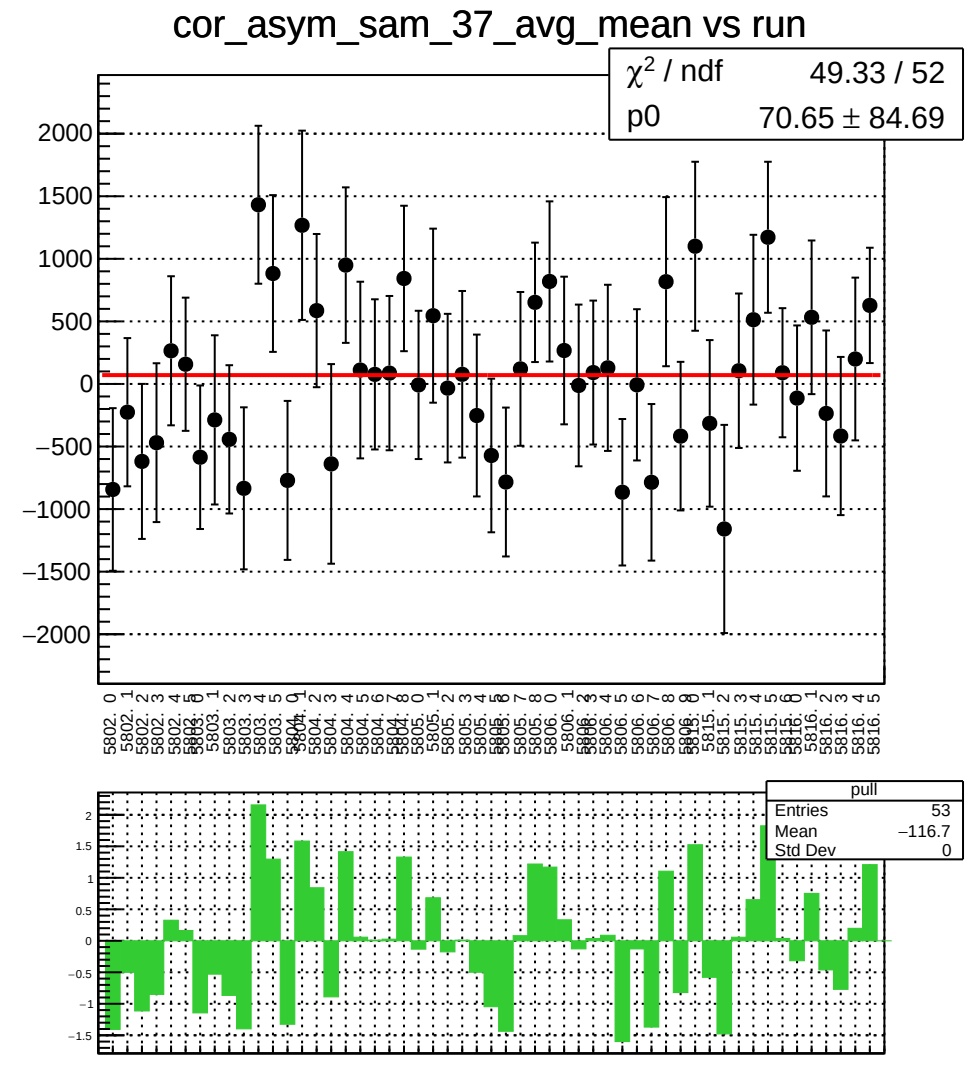

pull1D
Entries 53
Mean −0.01474
Std Dev 0.9647

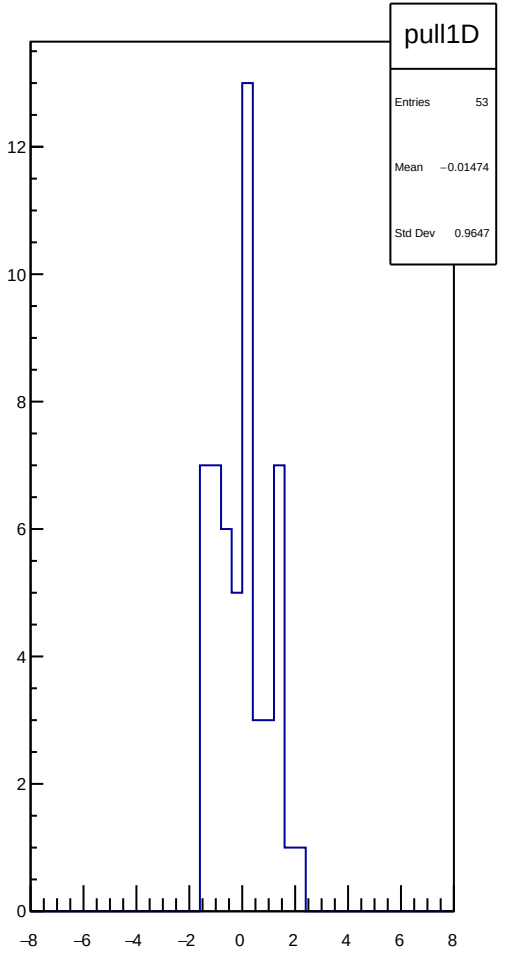

reg_asym_sam_37_avg_rms vs run
χ² / ndf 4840 / 52
p0 59.78 ± 0.05988
80
75
70
65
60
55

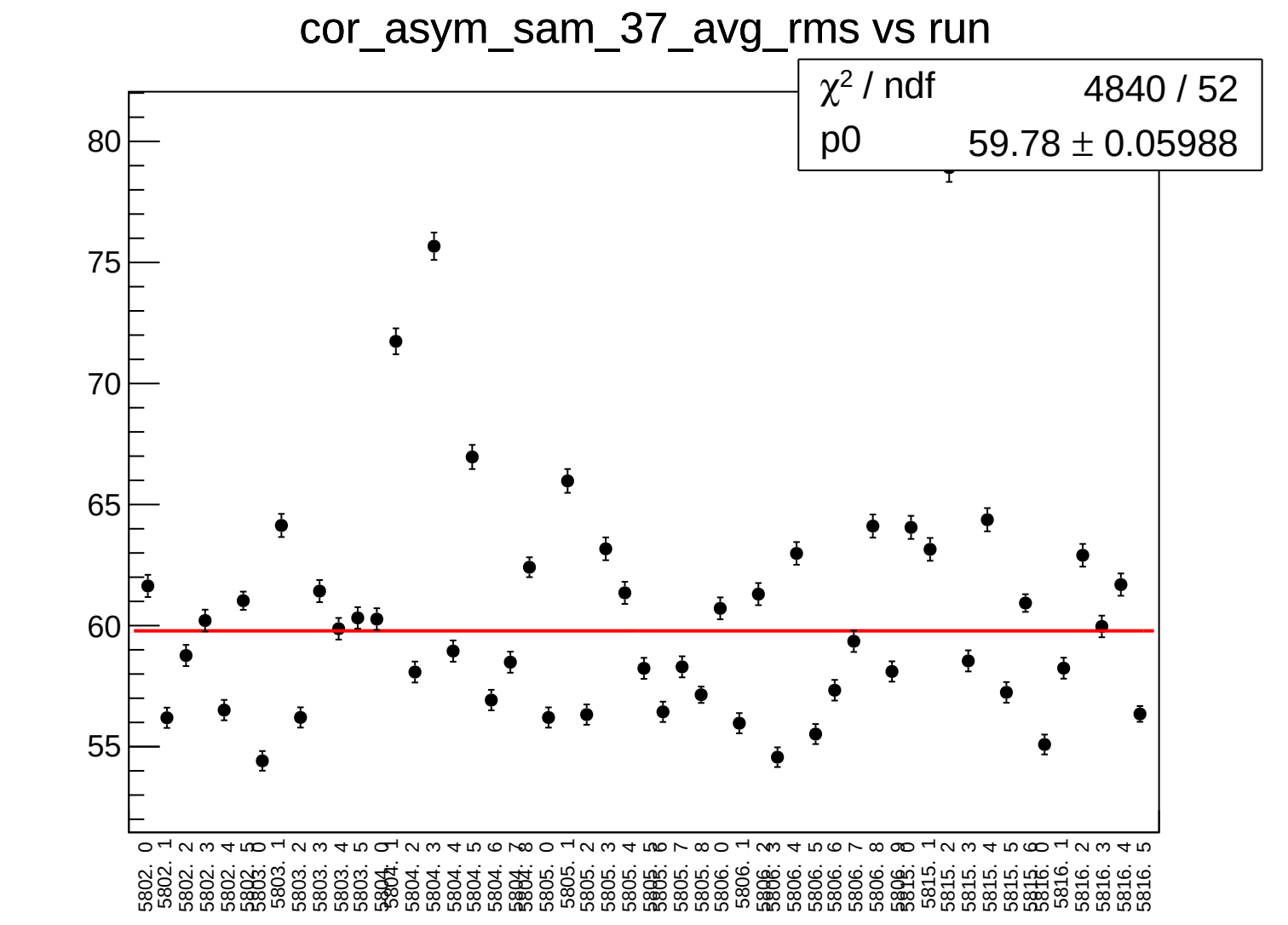

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 66.18 / 52
p0 412.8 ± 1074
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −93.26
Std Dev 0
2
1
0
−1
−2

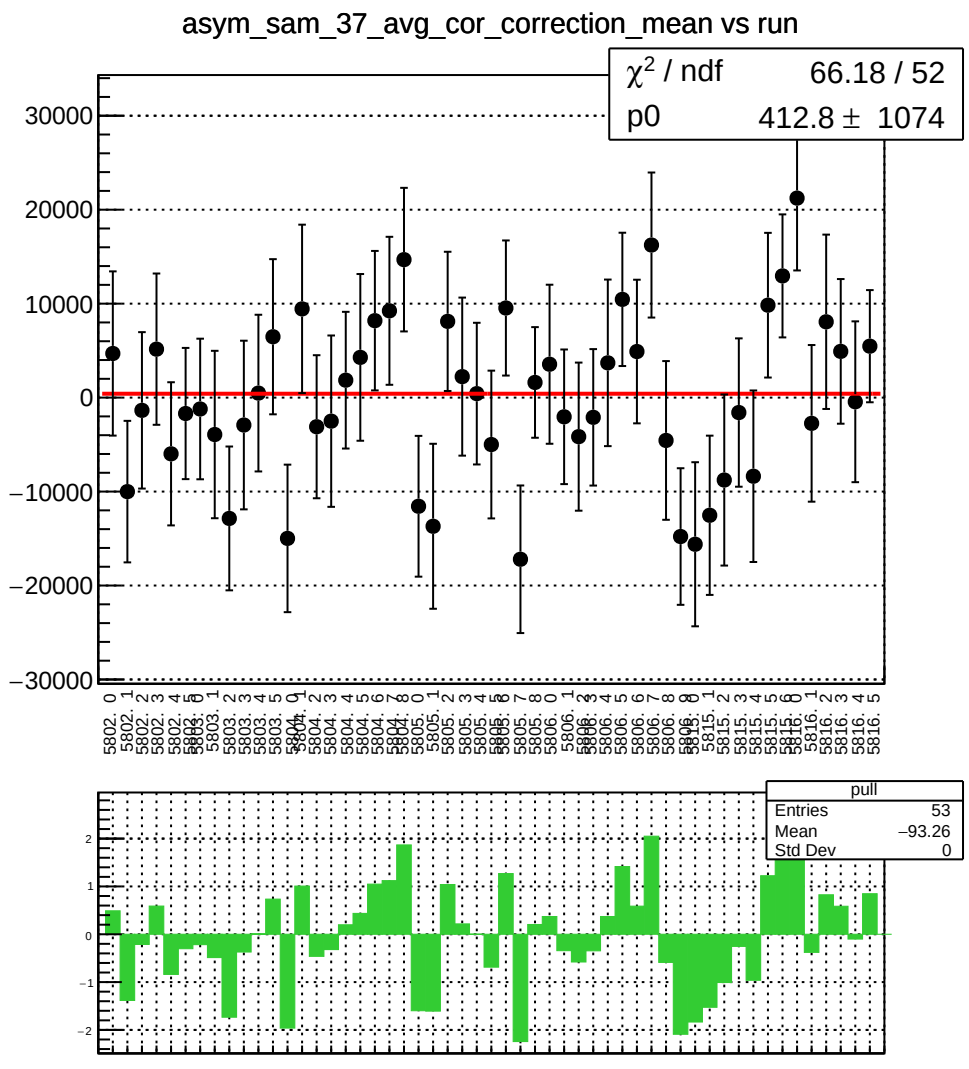

pull1D
Entries 53
Mean −0.02466
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

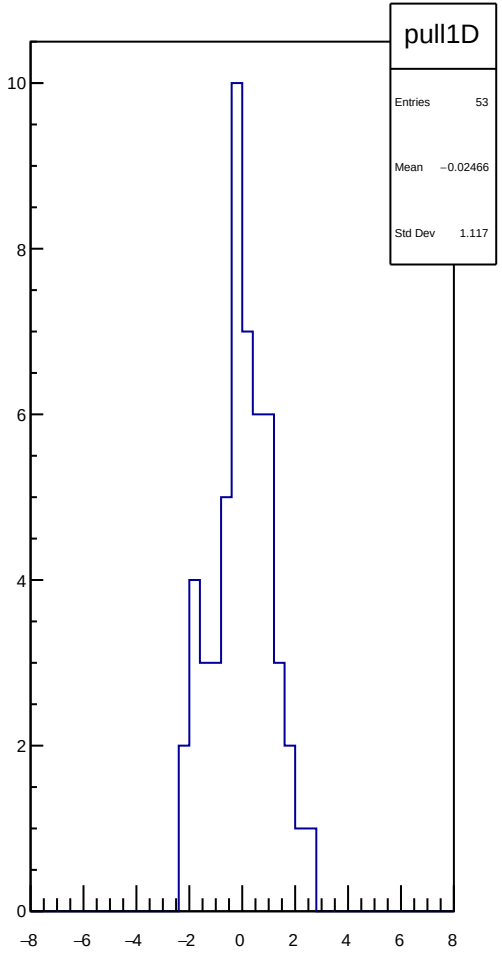

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 5385 / 52
p0 758.2 ± 0.7597
900
850
800
750
700
650

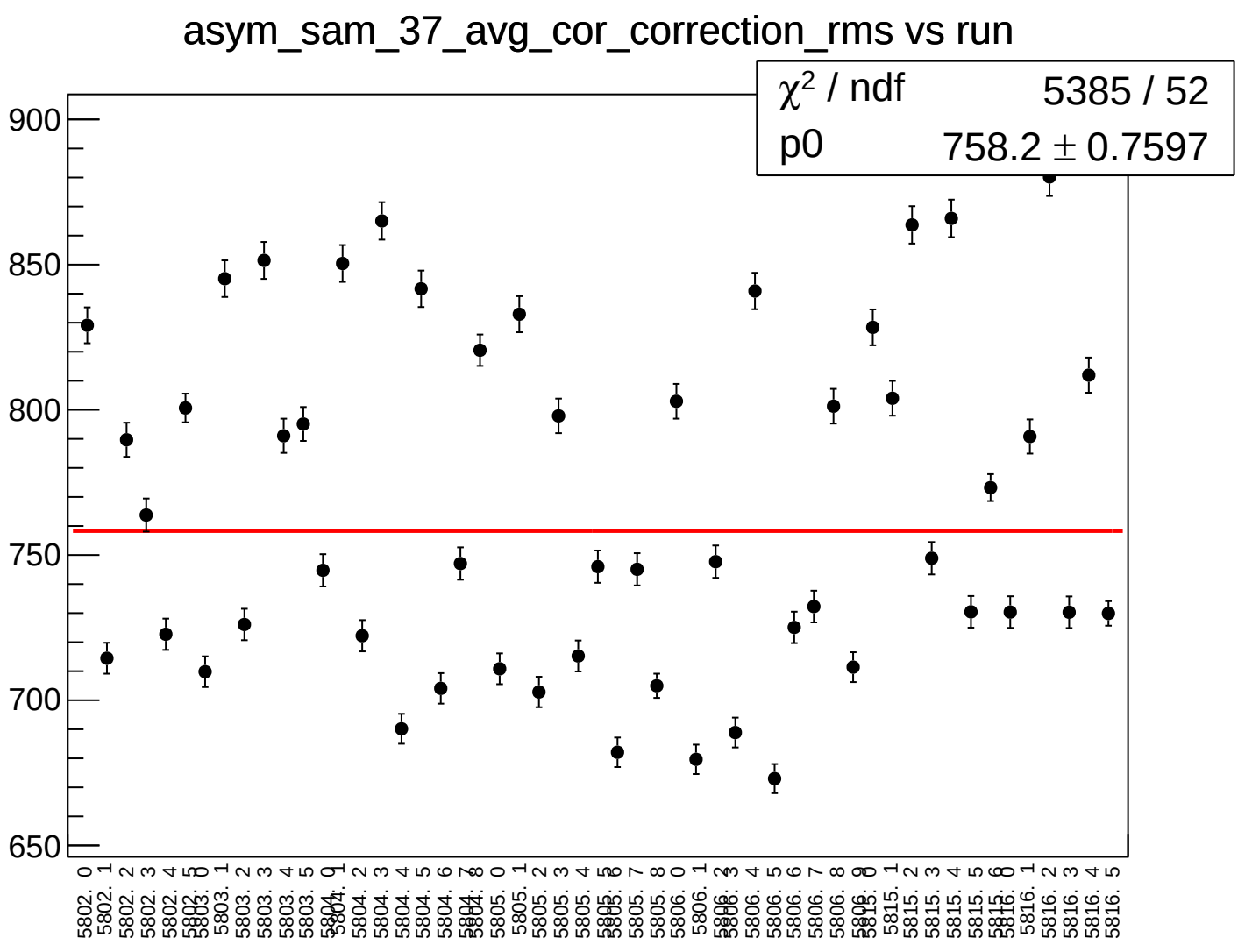

cor_asym_sam_37_avg_mean vs run
χ² / ndf 49.33 / 52
p0 70.65 ± 84.69
pull
Entries 53
Mean −116.7
Std Dev 0

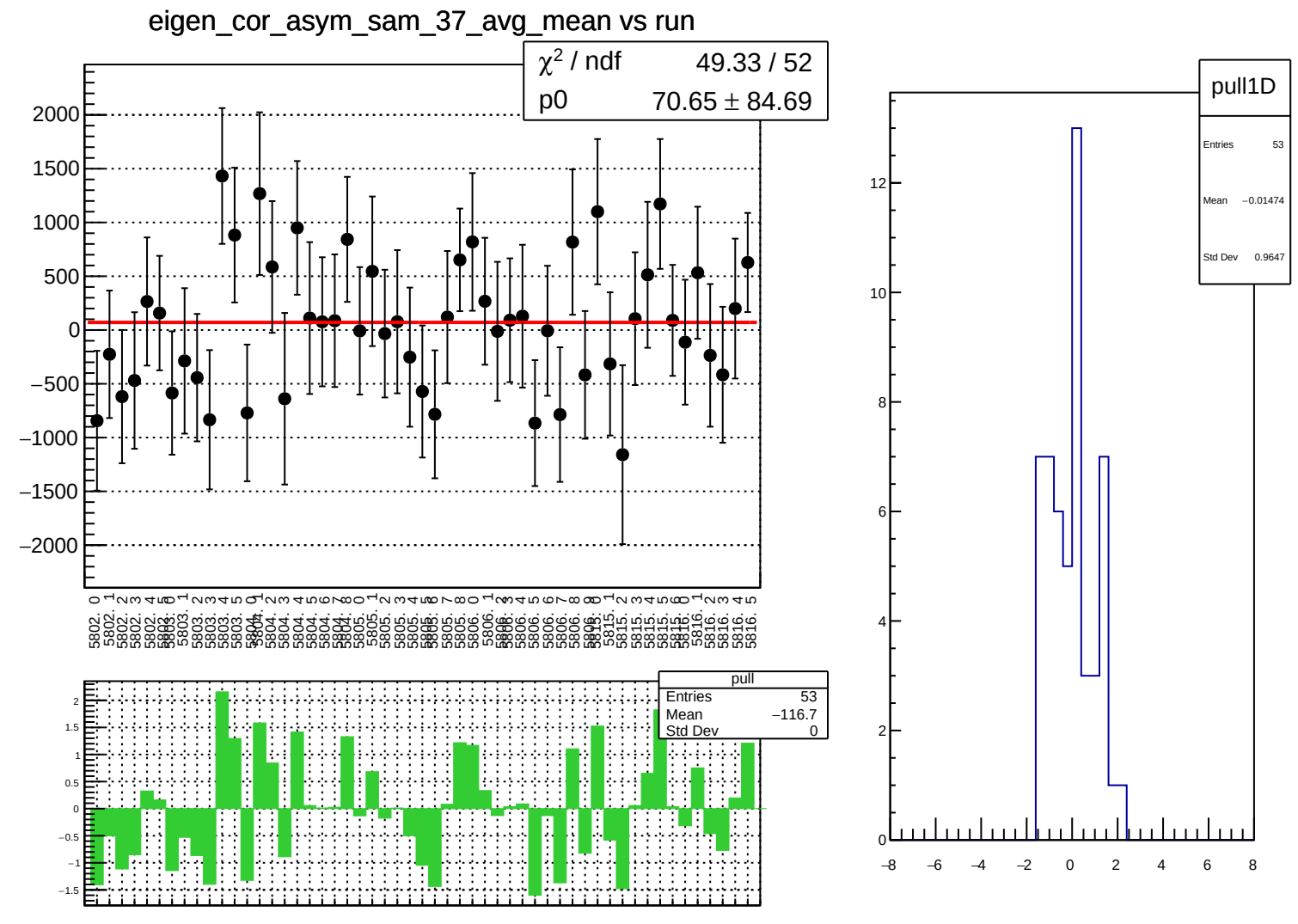

pull1D
Entries 53
Mean −0.01474
Std Dev 0.9647

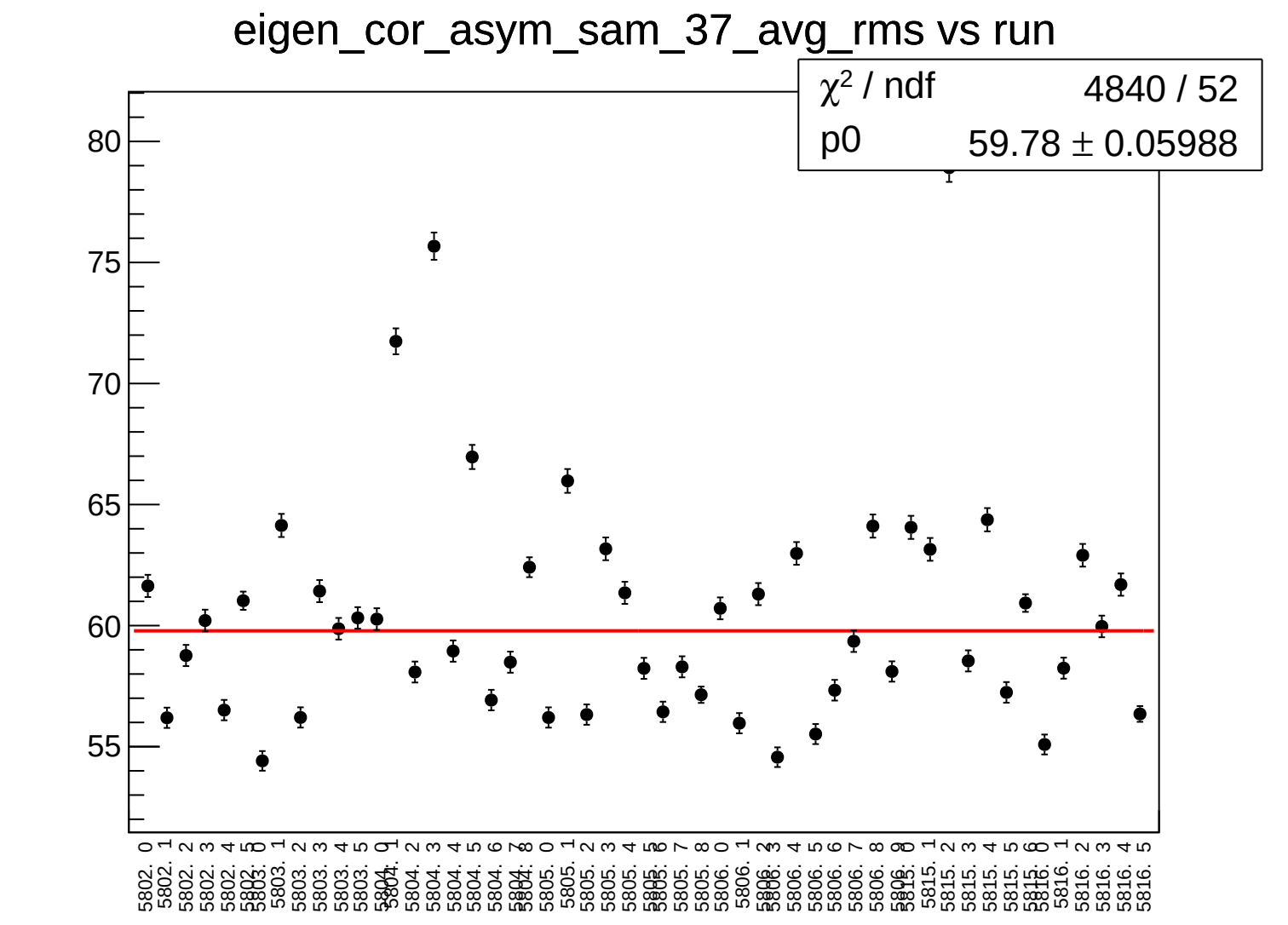

cor_asym_sam_37_avg_rms vs run
χ² / ndf 4840 / 52
p0 59.78 ± 0.05988
80
75
70
65
60
55

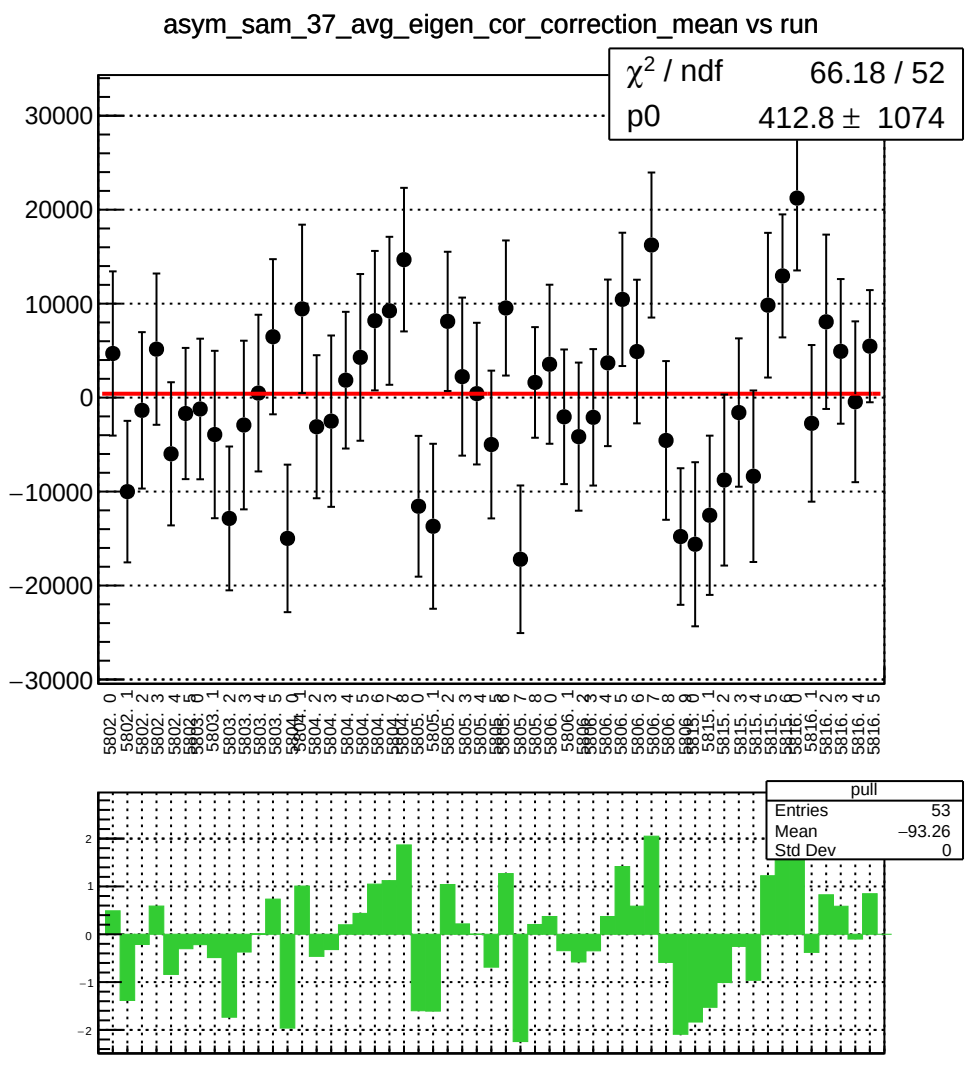

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 66.18 / 52
p0 412.8 ± 1074
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −93.26
Std Dev 0
2
1
0
−1
−2

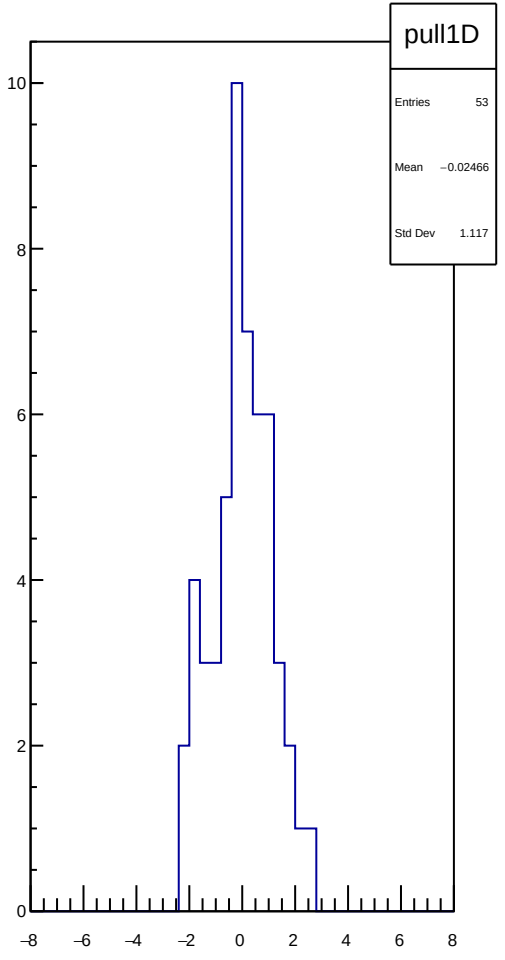

pull1D
Entries 53
Mean −0.02466
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

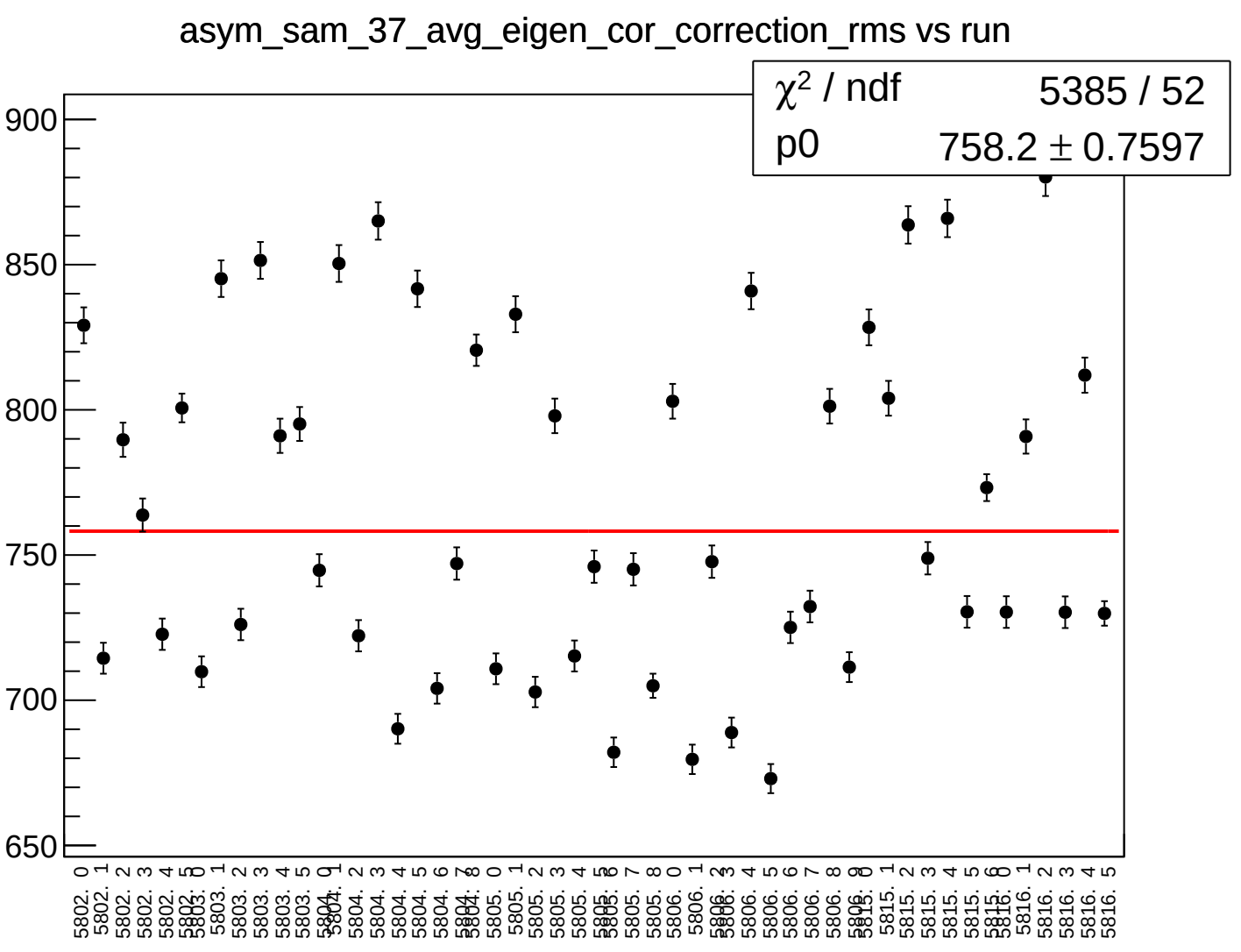

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 5385 / 52
p0 758.2 ± 0.7597
900
850
800
750
700
650

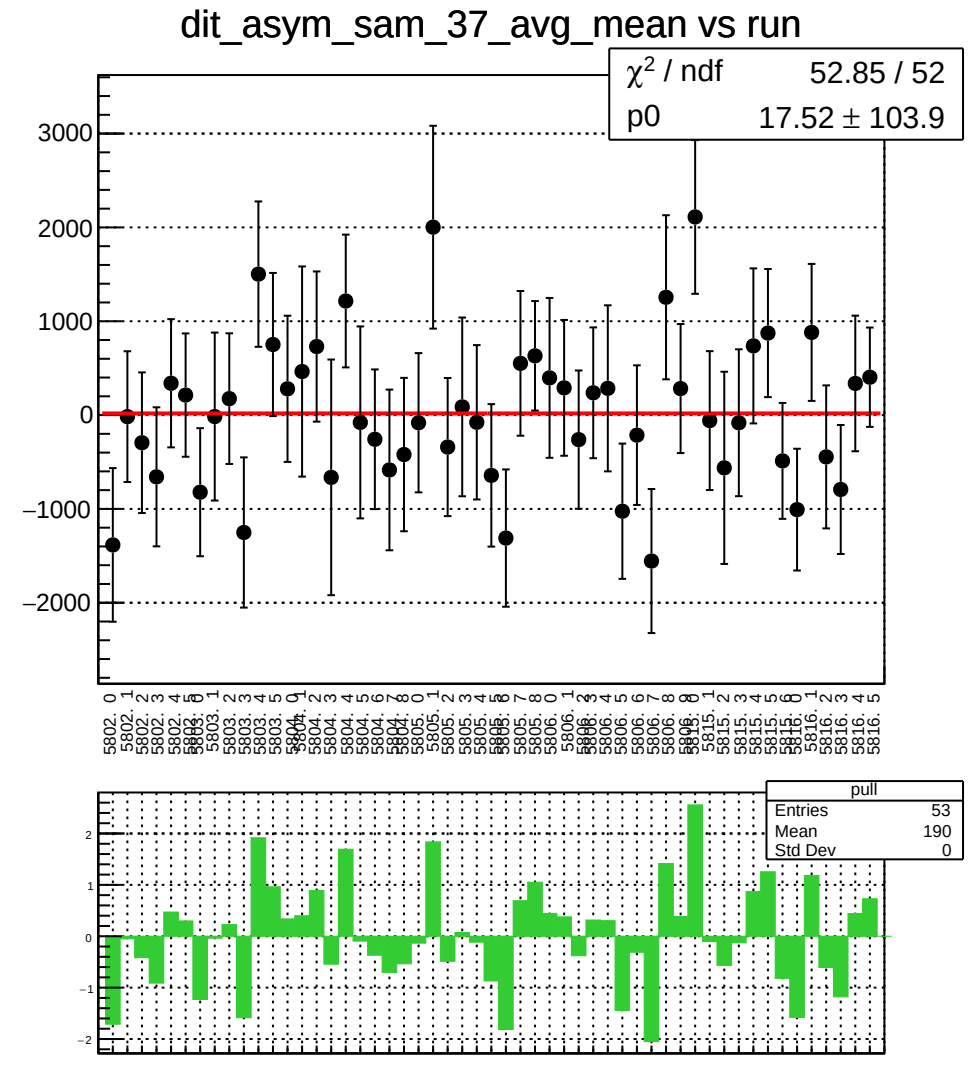

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 49.33 / 52
p0 70.65 ± 84.69
pull
Entries 53
Mean −116.7
Std Dev 0
pull1D
Entries 53
Mean −0.01474
Std Dev 0.9647

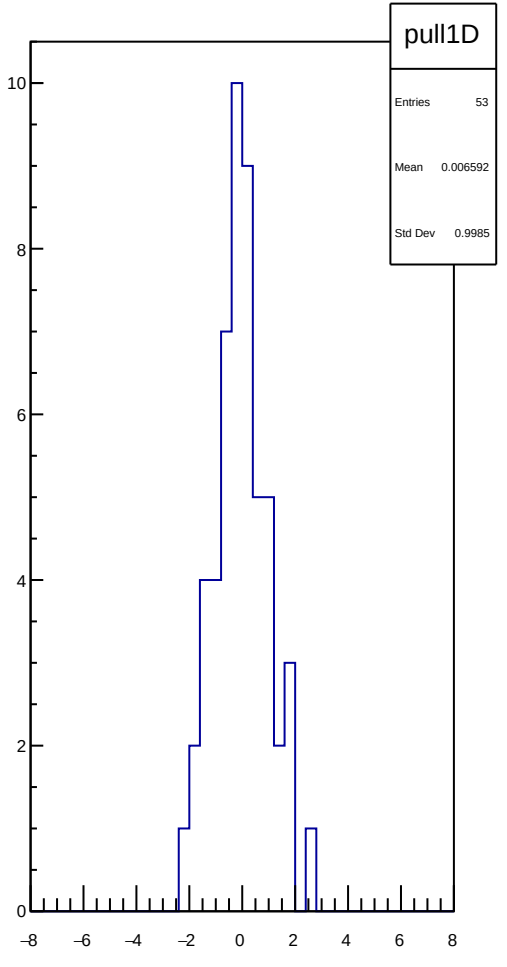

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 4840 / 52
p0 59.78 ± 0.05988
80
75
70
65
60
55
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

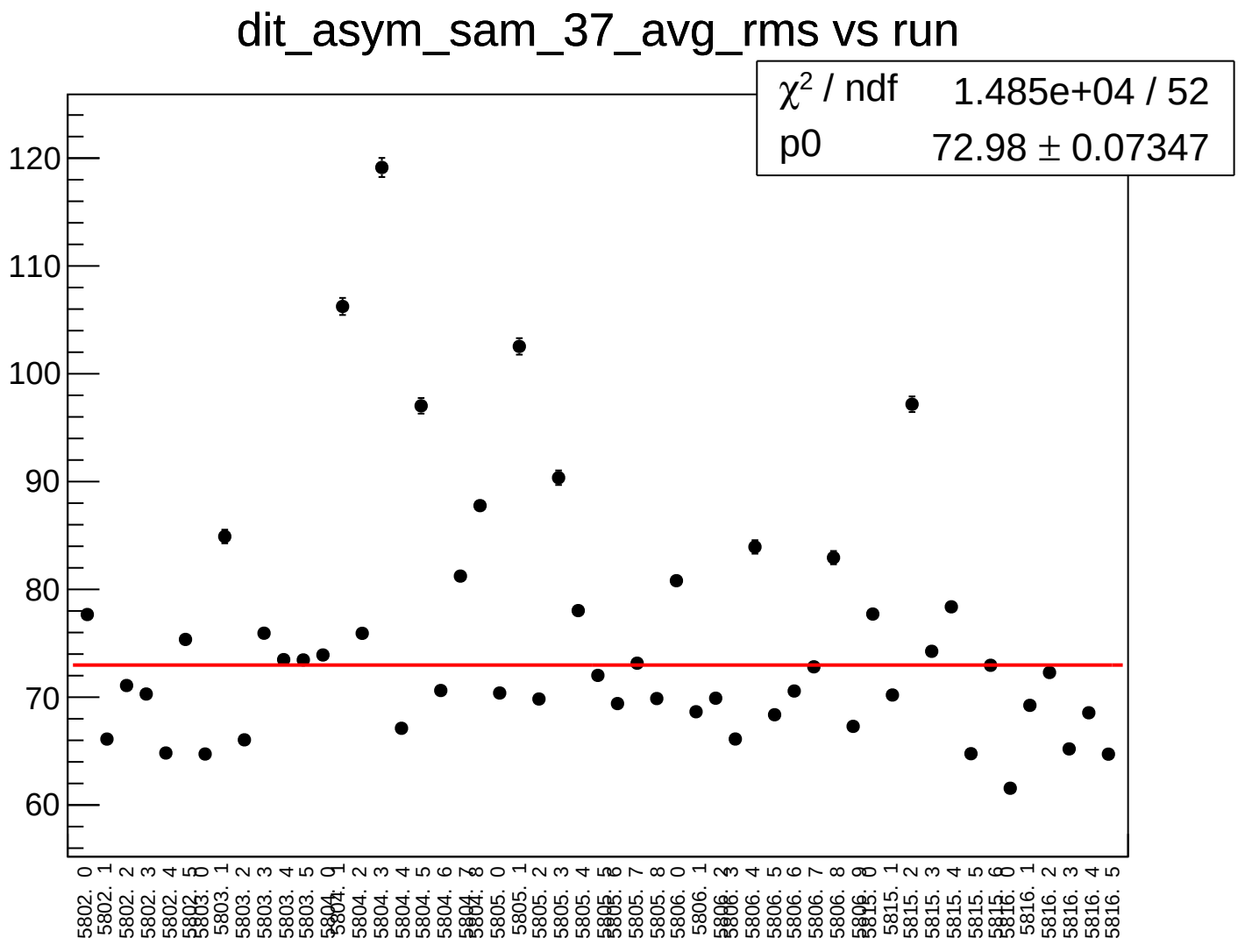

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 66.18 / 52
p0 412.8 ± 1074
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −93.26
Std Dev 0
2
1
0
−1
−2

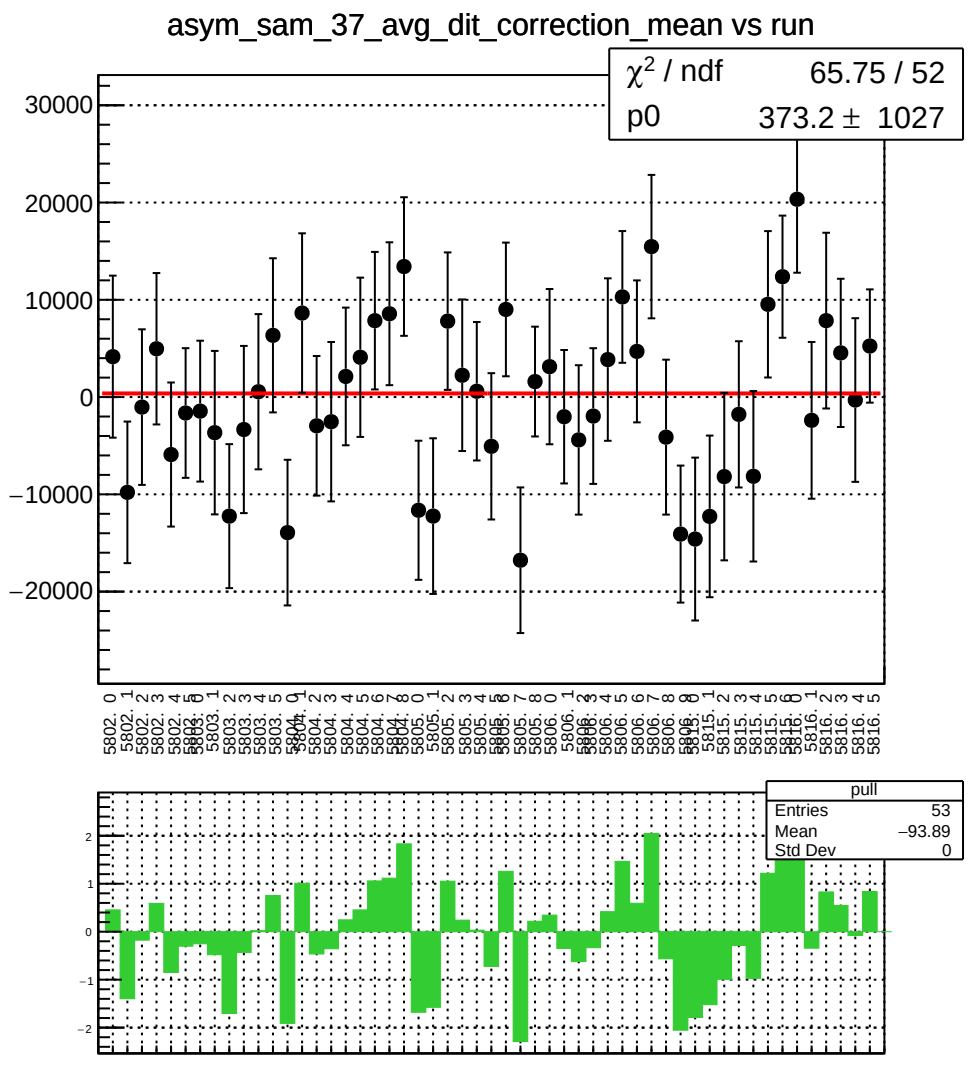

pull1D
Entries 53
Mean −0.02466
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

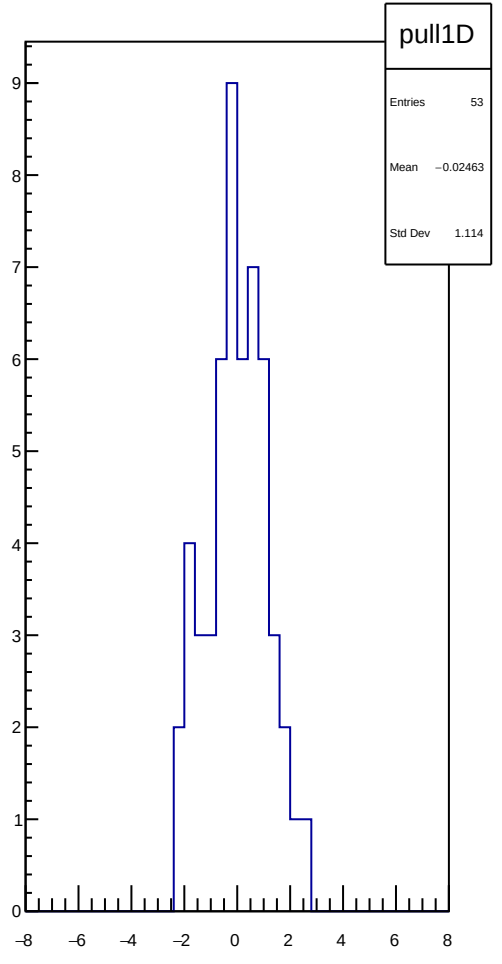

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 5385 / 52
p0 758.2 ± 0.7597
900
850
800
750
700
650

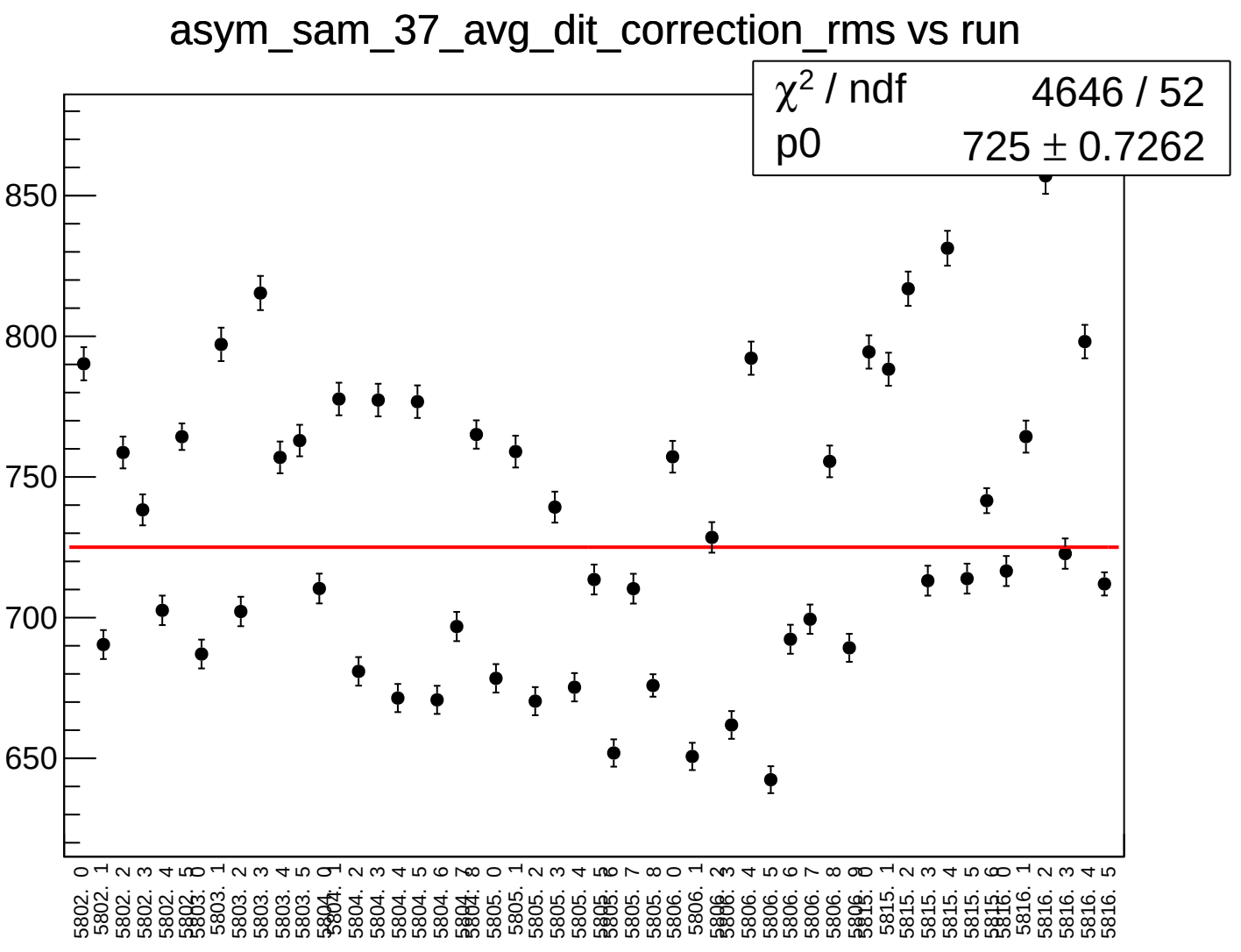

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 52.85 / 52
p0 17.52 ± 103.9
pull
Entries 53
Mean 190
Std Dev 0

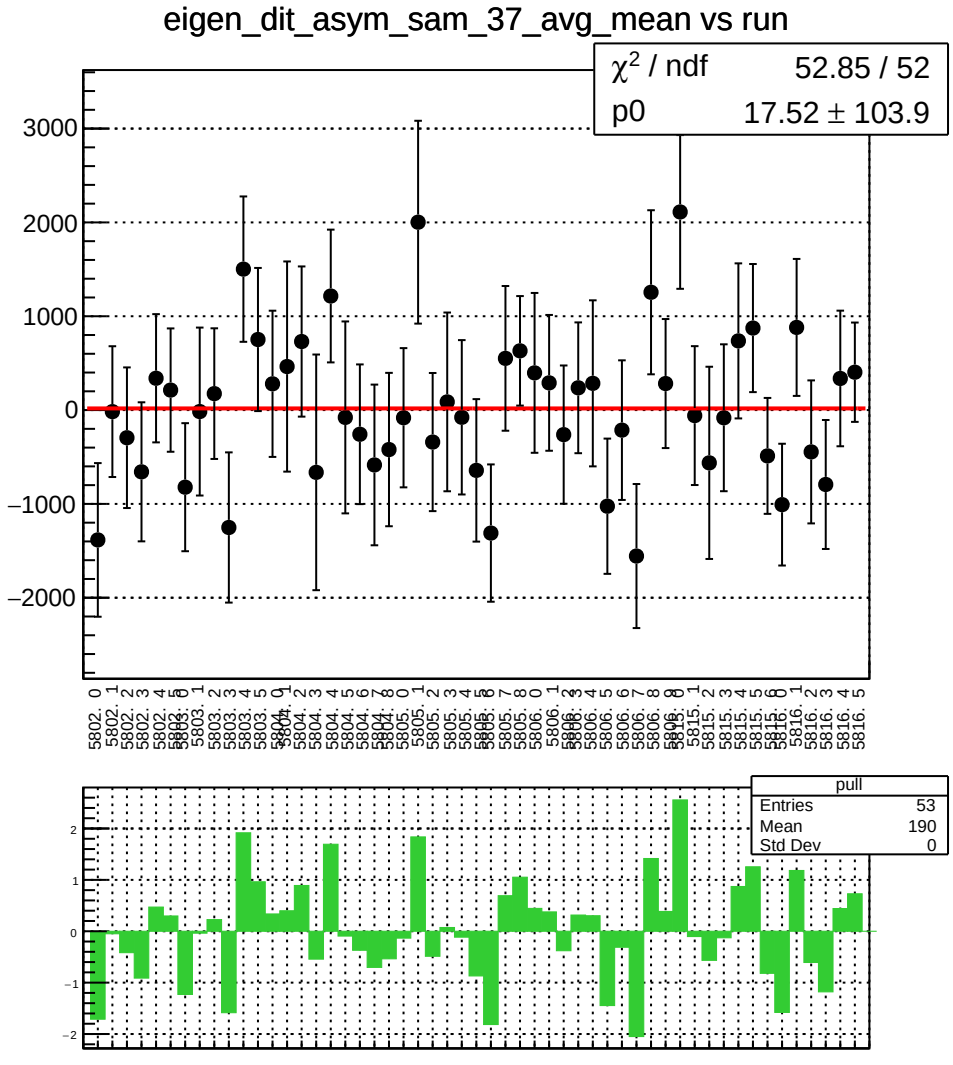

pull1D
Entries 53
Mean 0.006592
Std Dev 0.9985

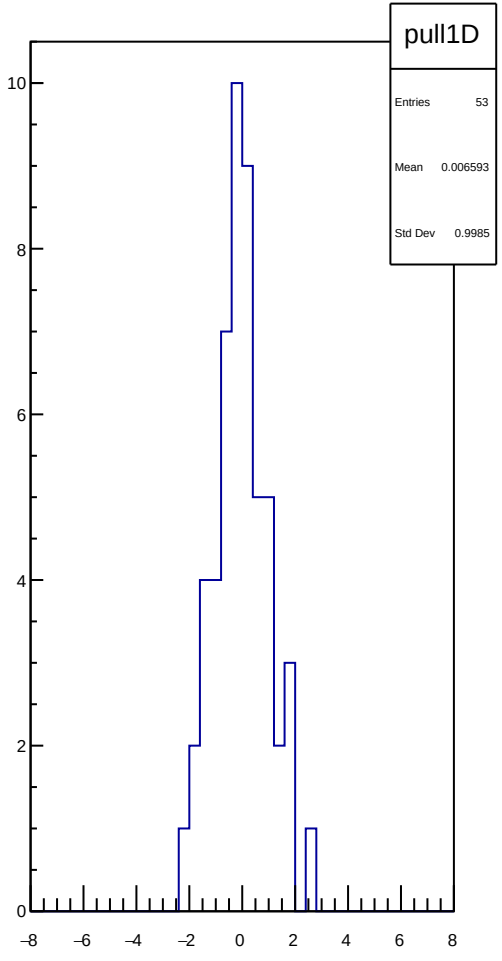

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.485e+04 / 52
p0 72.98 ± 0.07347
120
110
100
90
80
70
60

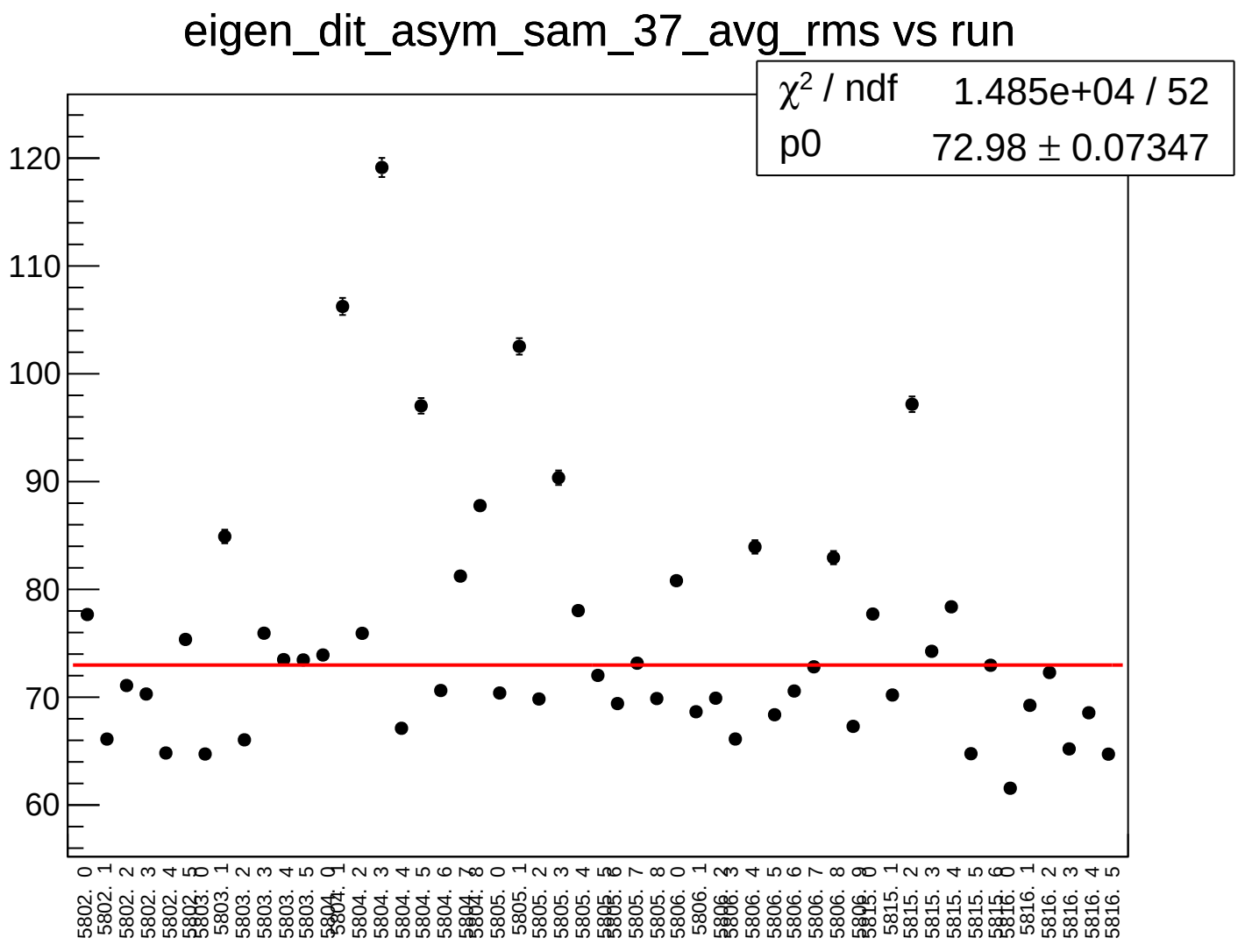

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 65.75 / 52
p0 373.2 ± 1027
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −93.89
Std Dev 0
2
1
0
−1
−2

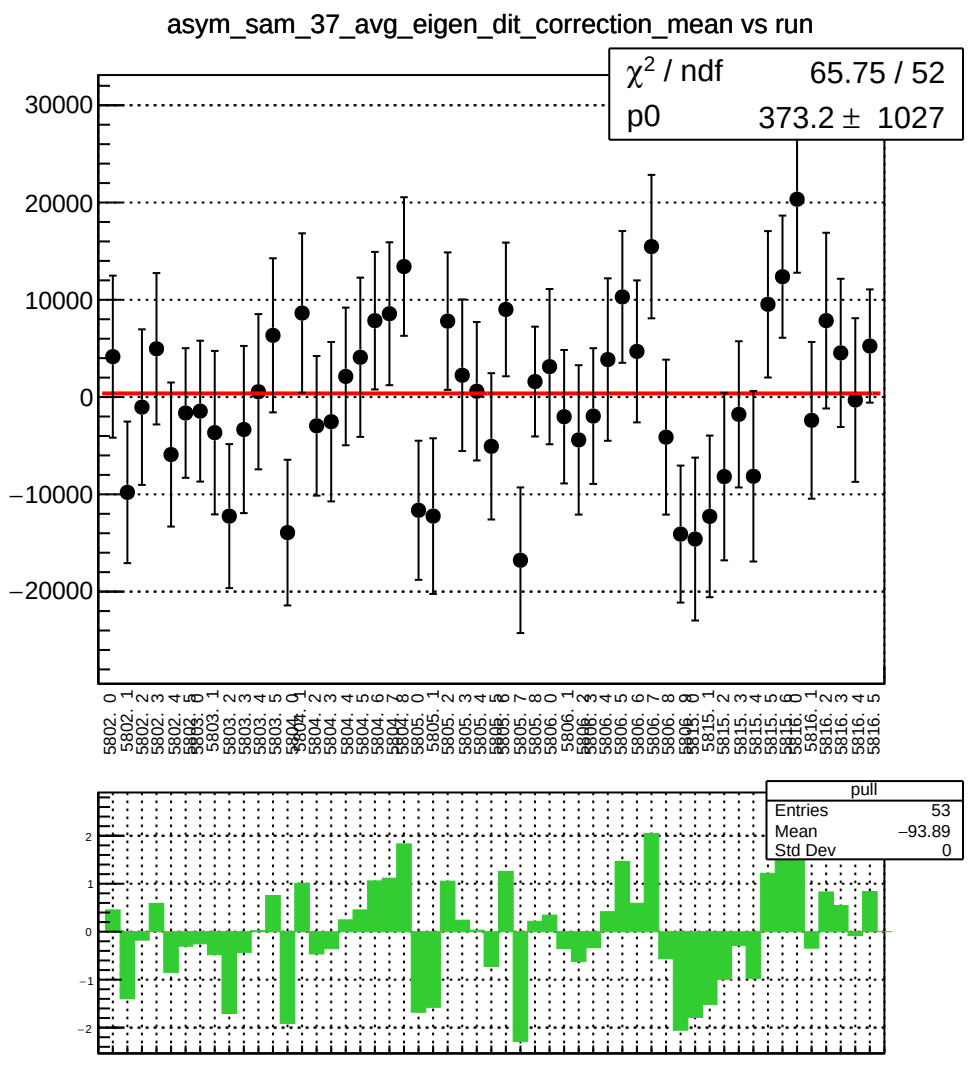

pull1D
Entries 53
Mean −0.02463
Std Dev 1.114
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

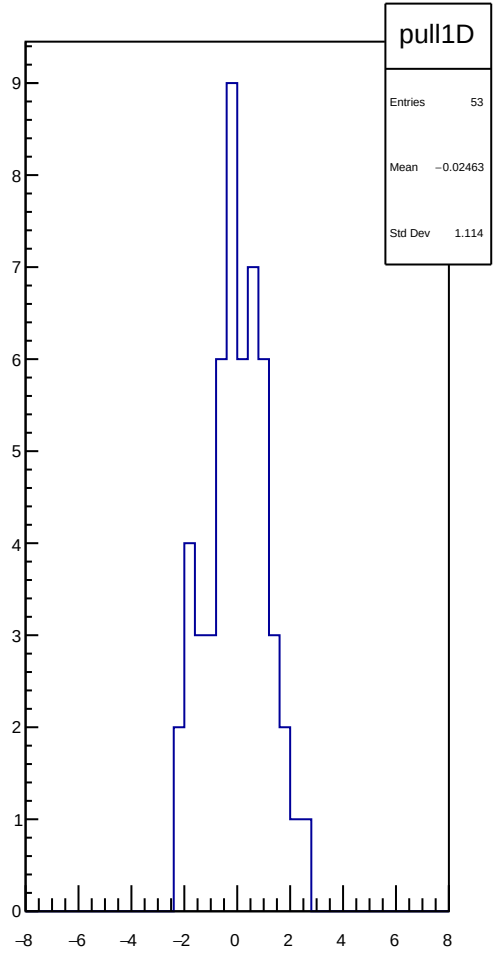

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 4646 / 52
p0 725 ± 0.7262
850
800
750
700
650

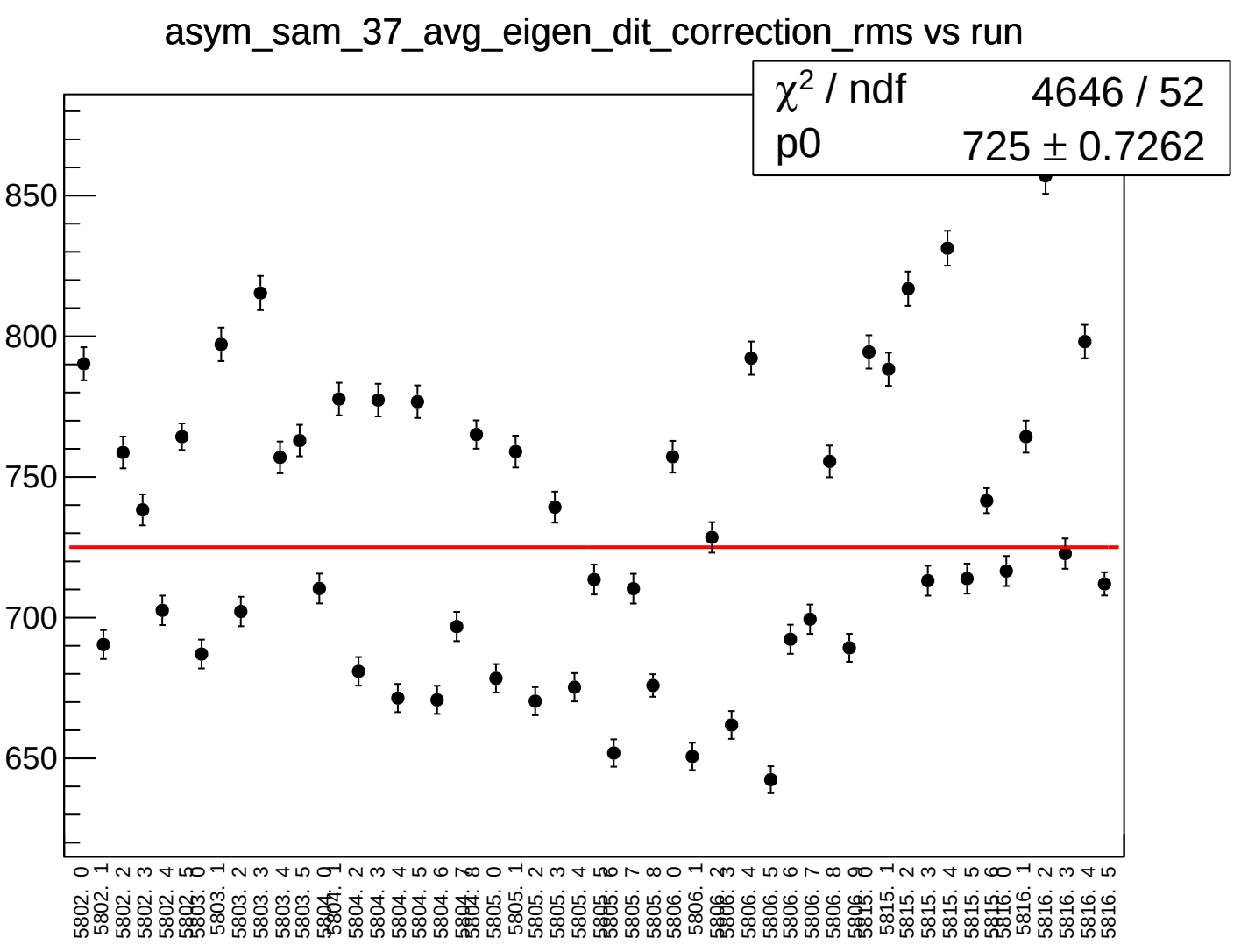

eigen_dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 52.85 / 52
p0 17.52 ± 103.9
pull
Entries 53
Mean 190
Std Dev 0

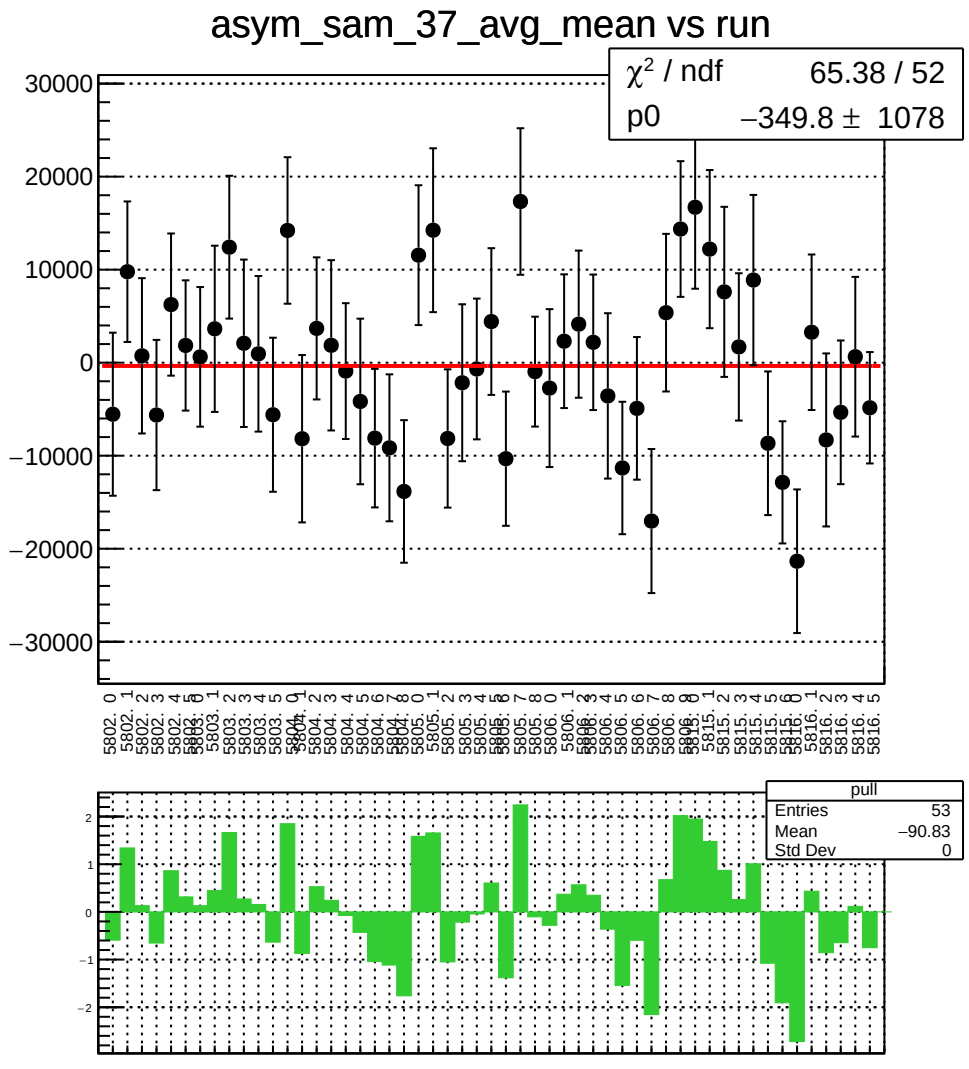

pull1D
Entries 53
Mean 0.006593
Std Dev 0.9985

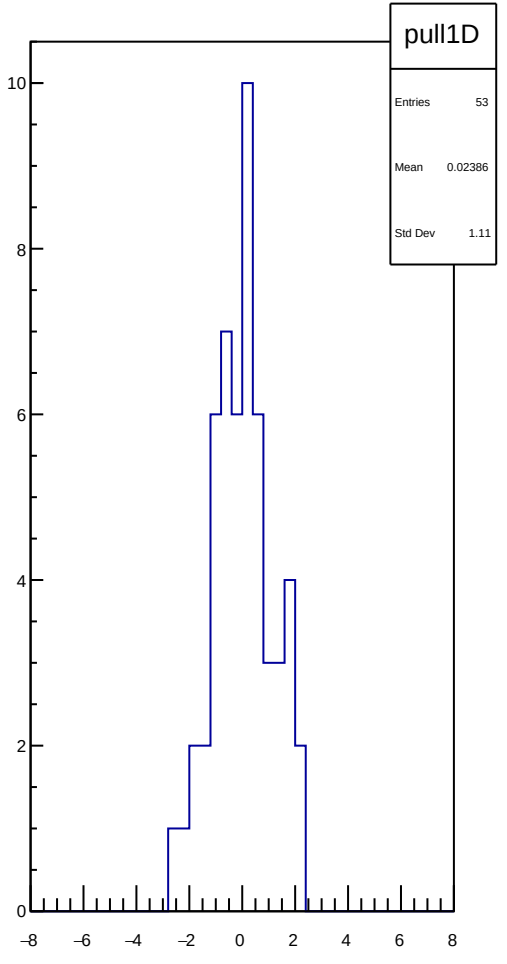

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.485e+04 / 52
p0 72.98 ± 0.07347
120
110
100
90
80
70
60

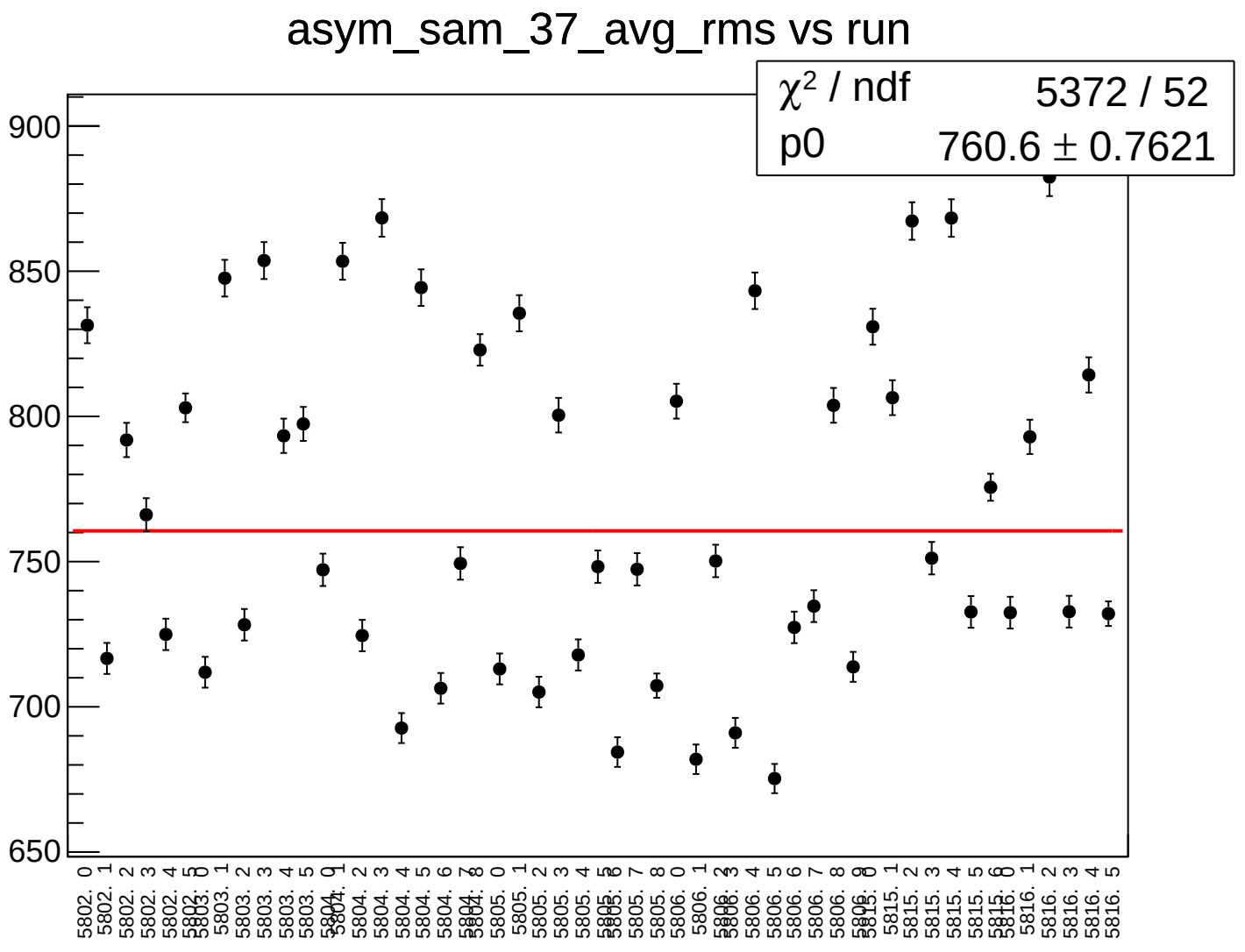

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.75 / 52
p0 373.2 ± 1027
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −93.89
Std Dev 0
2
1
0
−1
−2

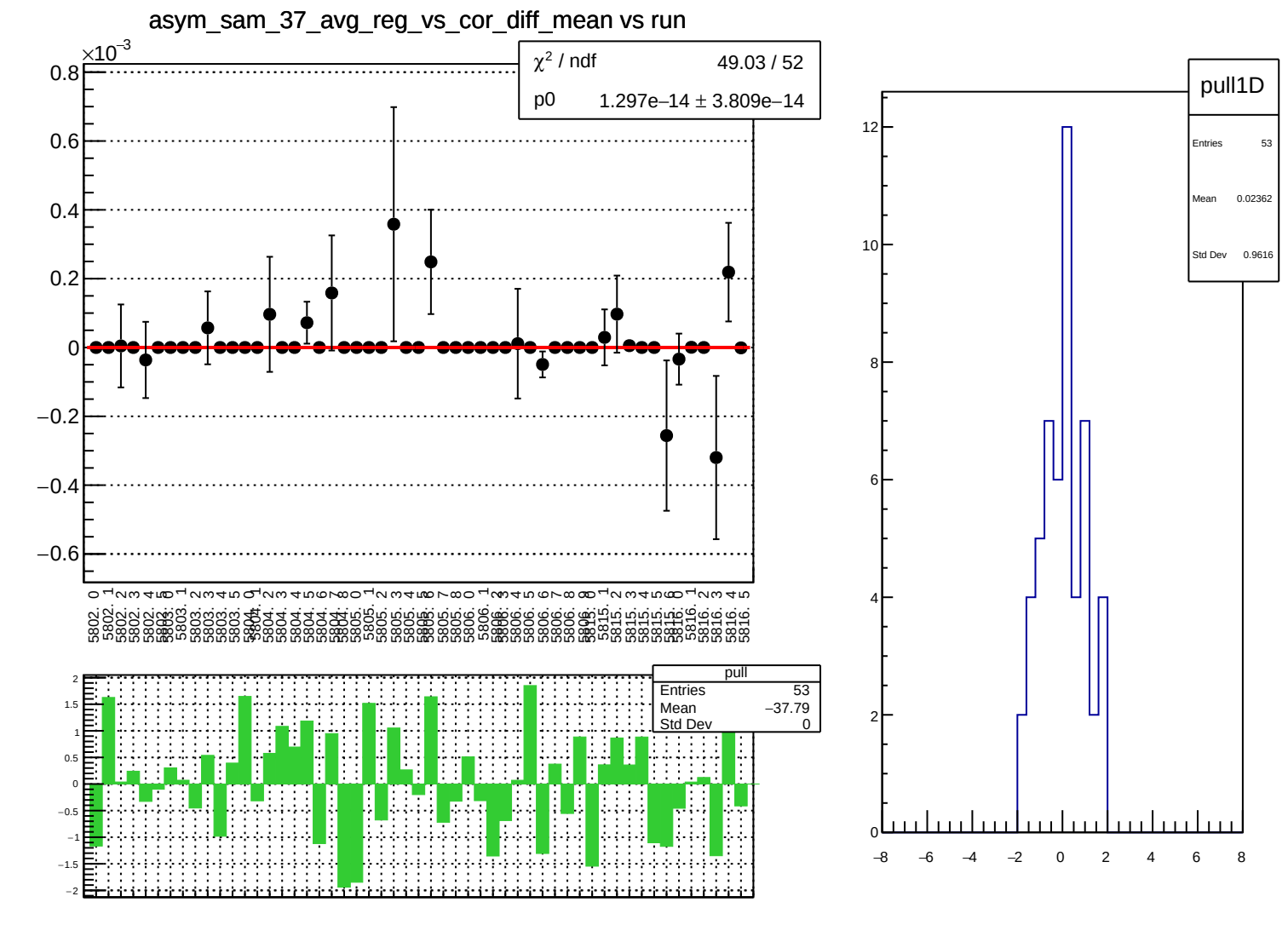

pull1D
Entries 53
Mean −0.02463
Std Dev 1.114
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

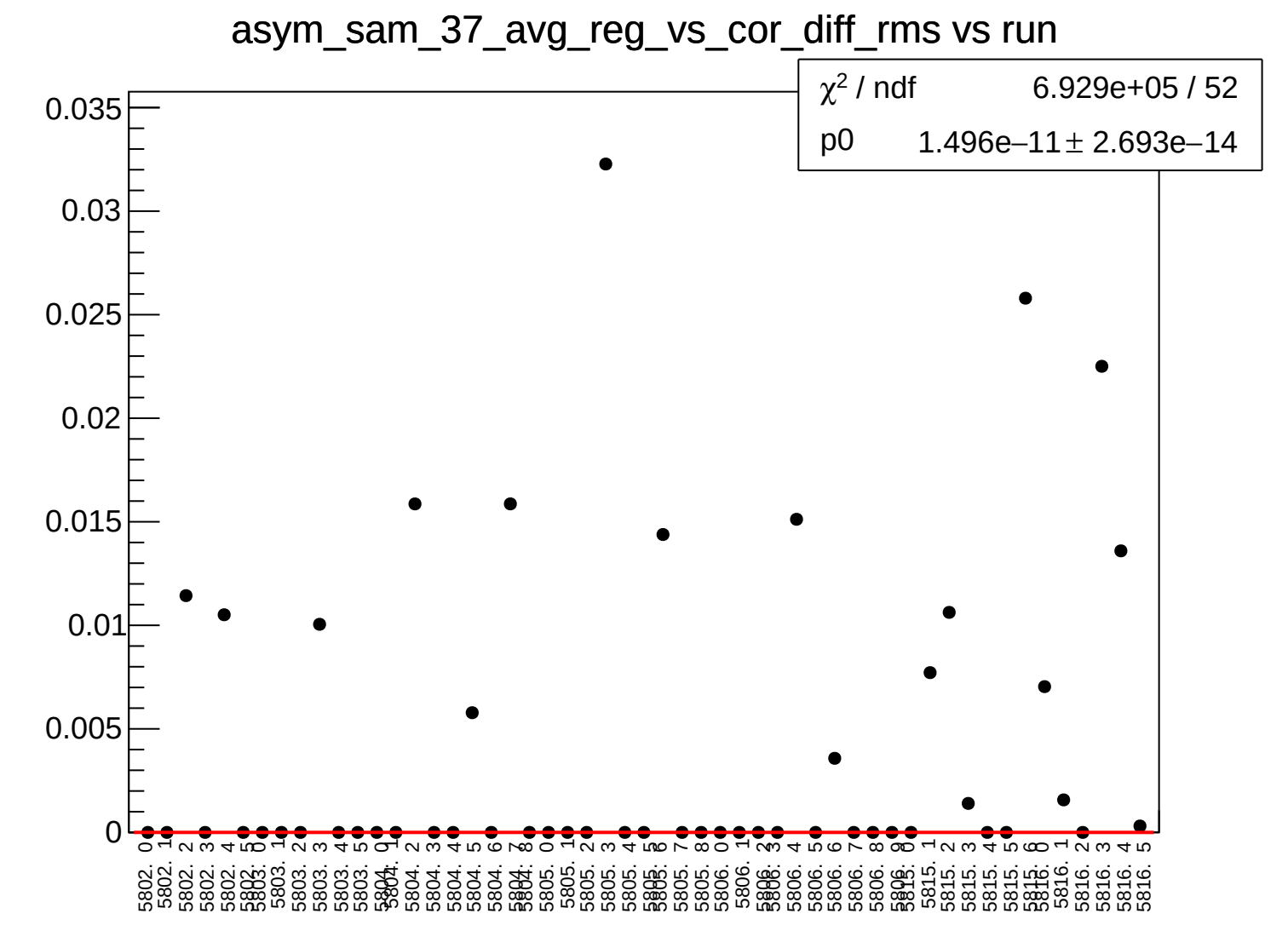

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 4646 / 52
p0 725 ± 0.7262
850
800
750
700
650

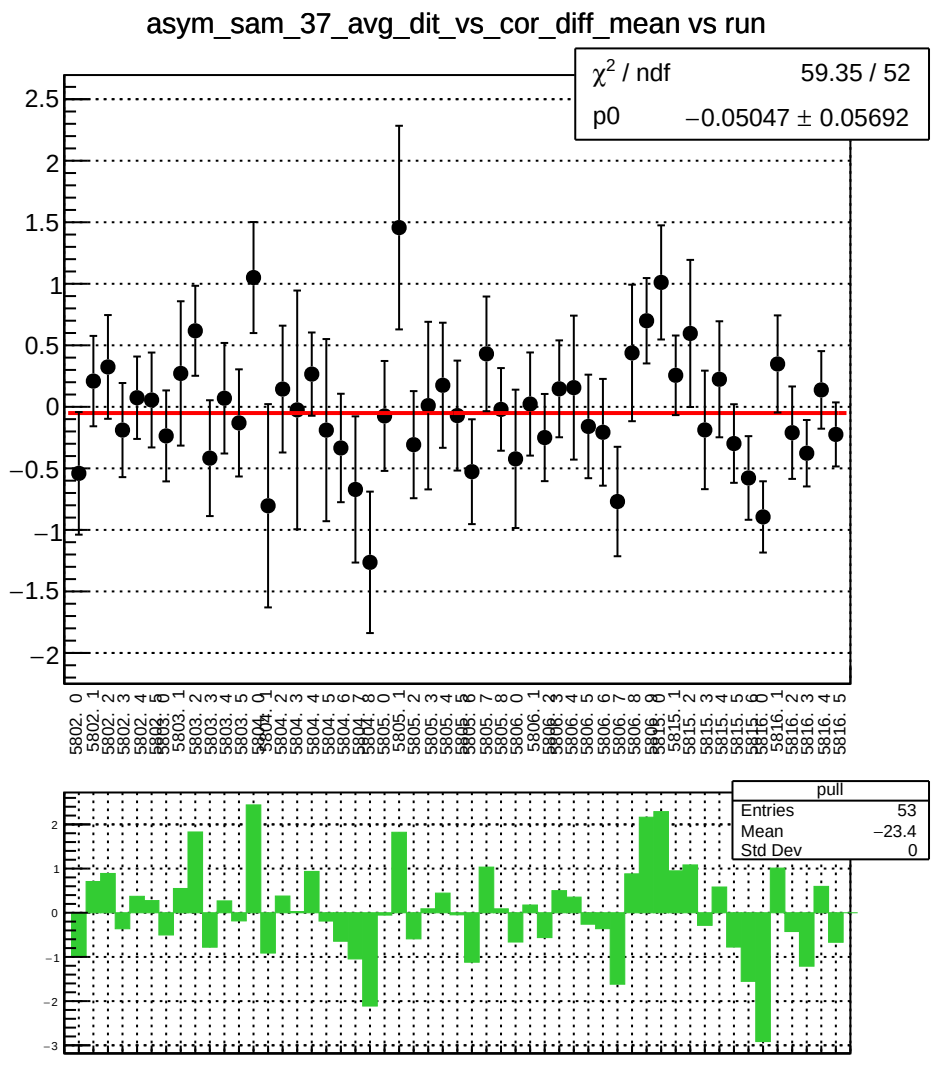

asym_sam_37_avg_mean vs run
χ² / ndf 65.38 / 52
p0 −349.8 ± 1078
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −90.83
Std Dev 0
2
1
0
−1
−2

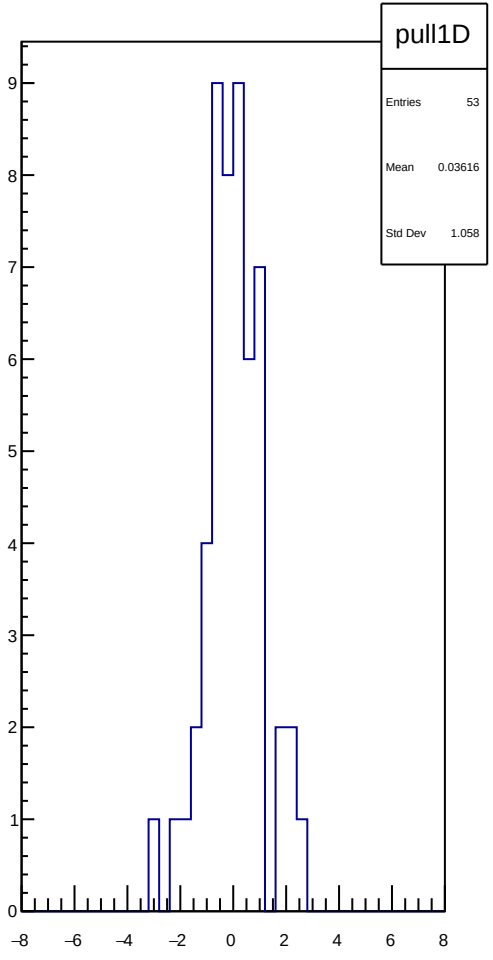

pull1D
Entries 53
Mean 0.02386
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

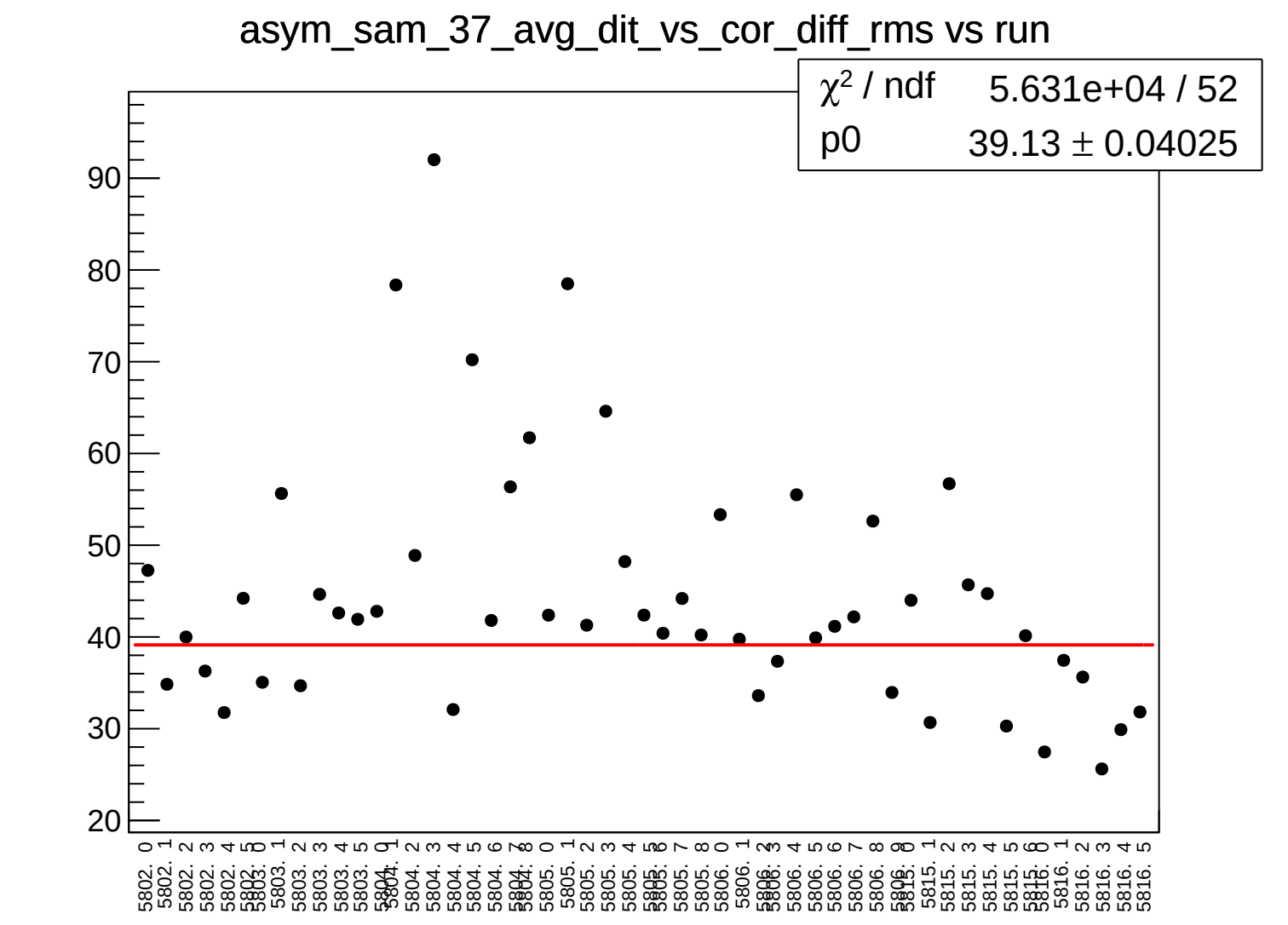

asym_sam_37_avg_rms vs run
χ² / ndf 5372 / 52
p0 760.6 ± 0.7621
900
850
800
750
700
650

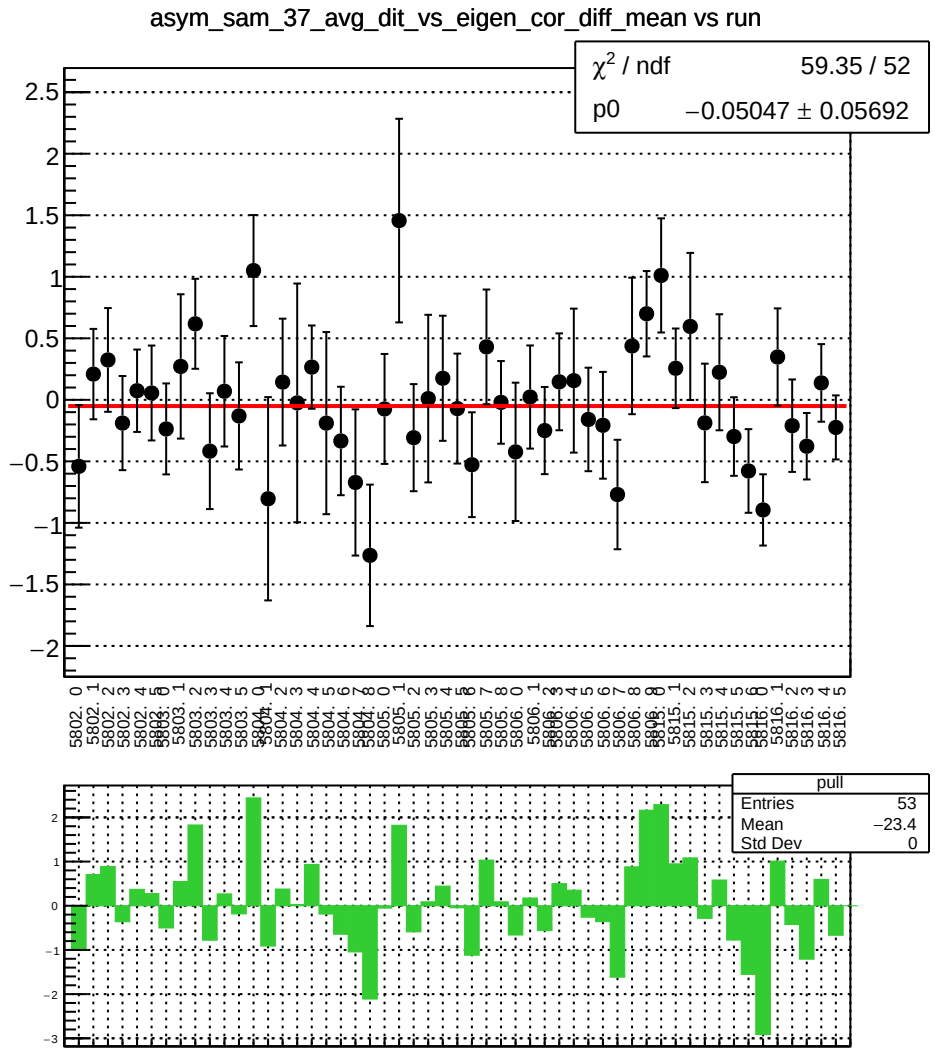

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.03 / 52
p0 1.297e−14 ± 3.809e−14
pull
Entries 53
Mean −37.79
Std Dev 0
pull1D
Entries 53
Mean 0.02362
Std Dev 0.9616

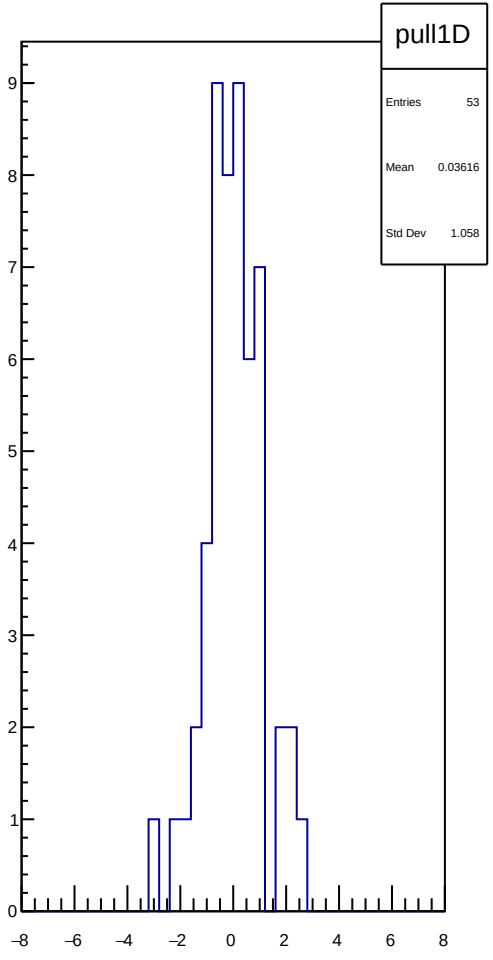

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.929e+05 / 52
p0 1.496e−11 ± 2.693e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

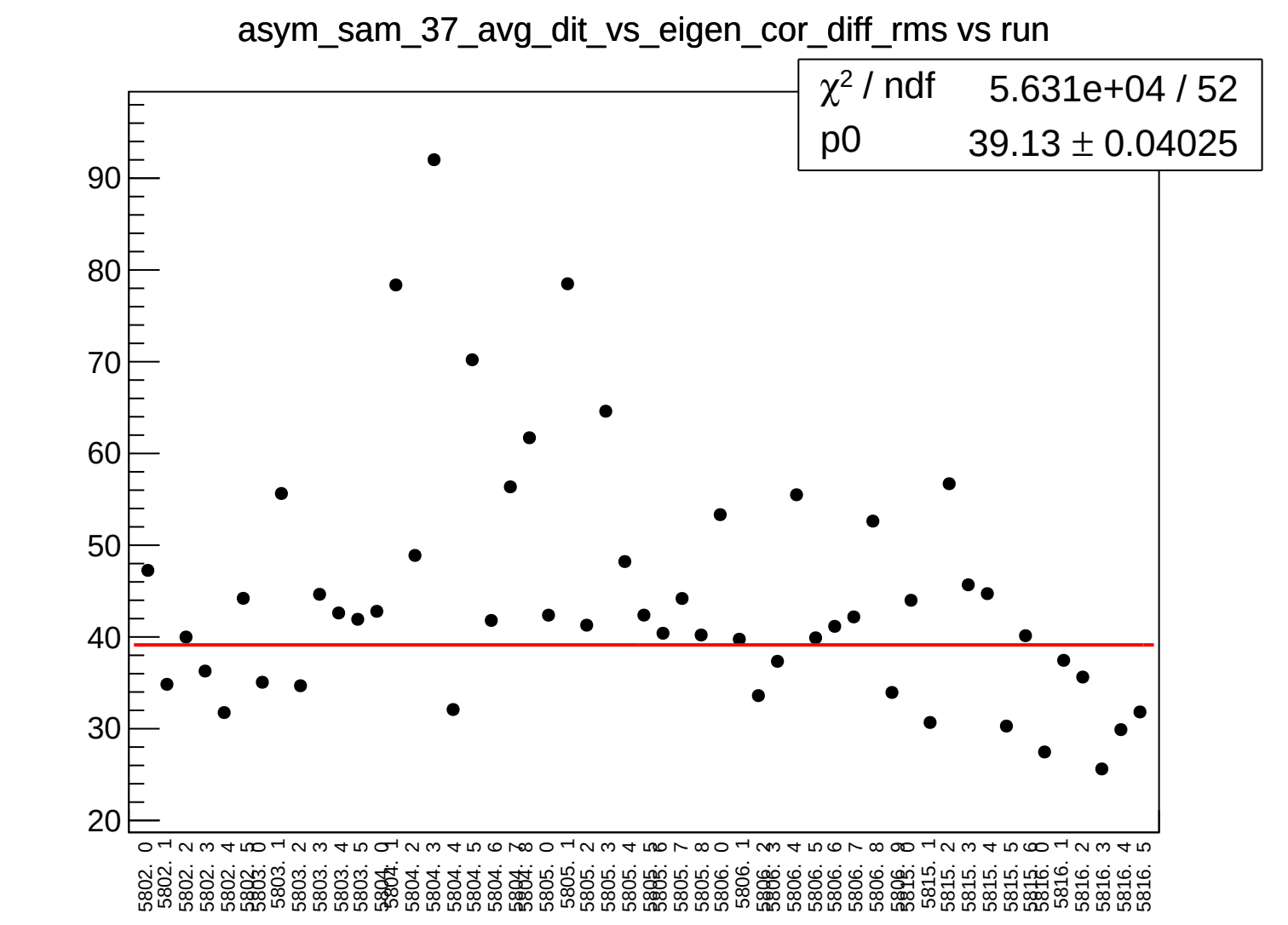

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 59.35 / 52
p0 −0.05047 ± 0.05692
pull
Entries 53
Mean −23.4
Std Dev 0


pull1D
Entries 53
Mean 0.03616
Std Dev 1.058


asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.631e+04 / 52
p0 39.13 ± 0.04025
90
80
70
60
50
40
30
20


asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.35 / 52
p0 −0.05047 ± 0.05692
pull
Entries 53
Mean −23.4
Std Dev 0


pull1D
Entries 53
Mean 0.03616
Std Dev 1.058


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.631e+04 / 52
p0 39.13 ± 0.04025
90
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
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5803. 5
5804. 2
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5804. 5
5804. 6
5805. 0
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5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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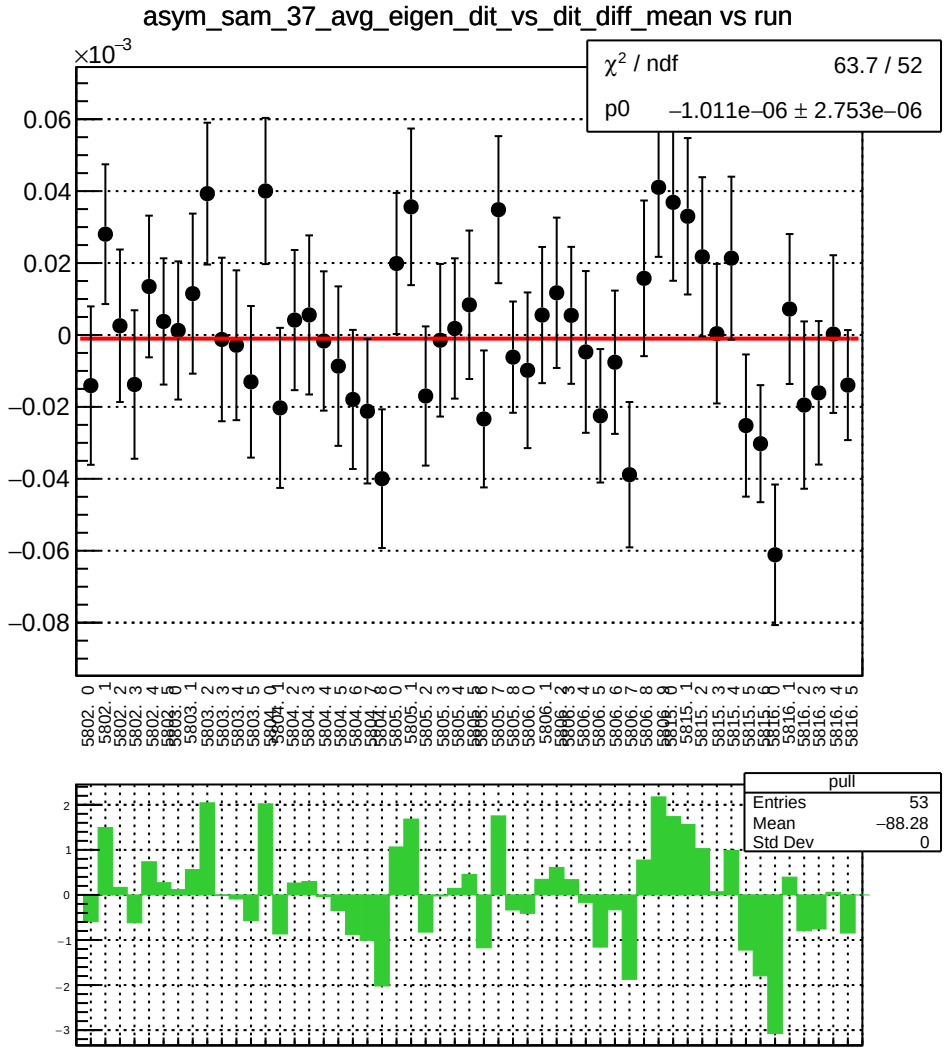
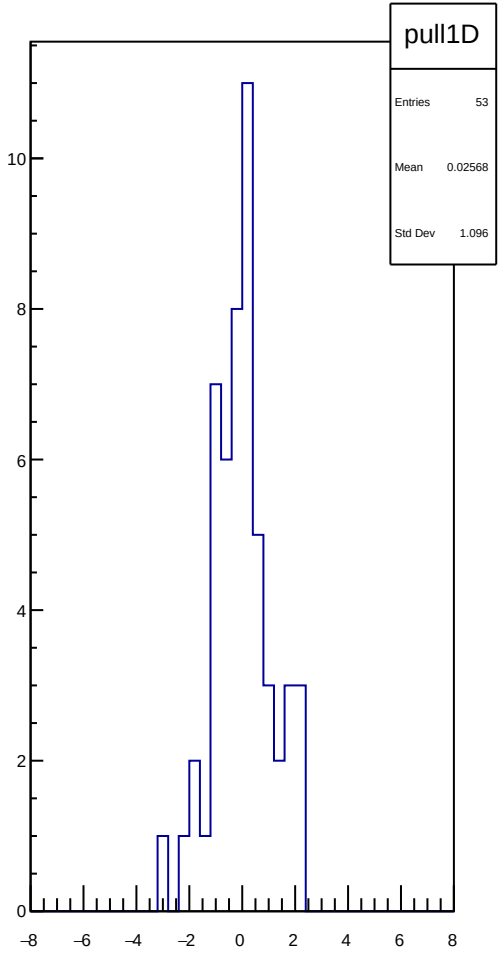
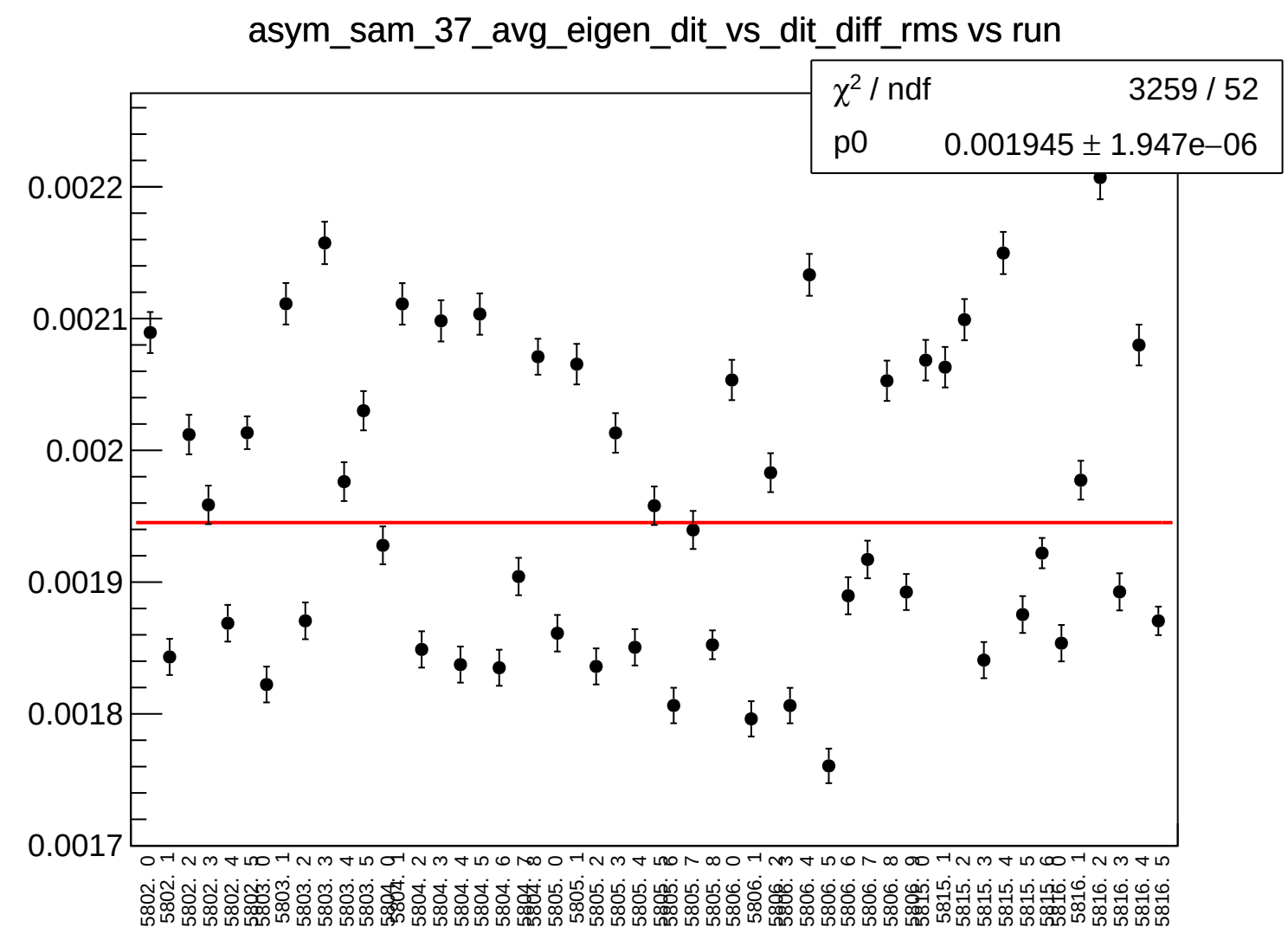
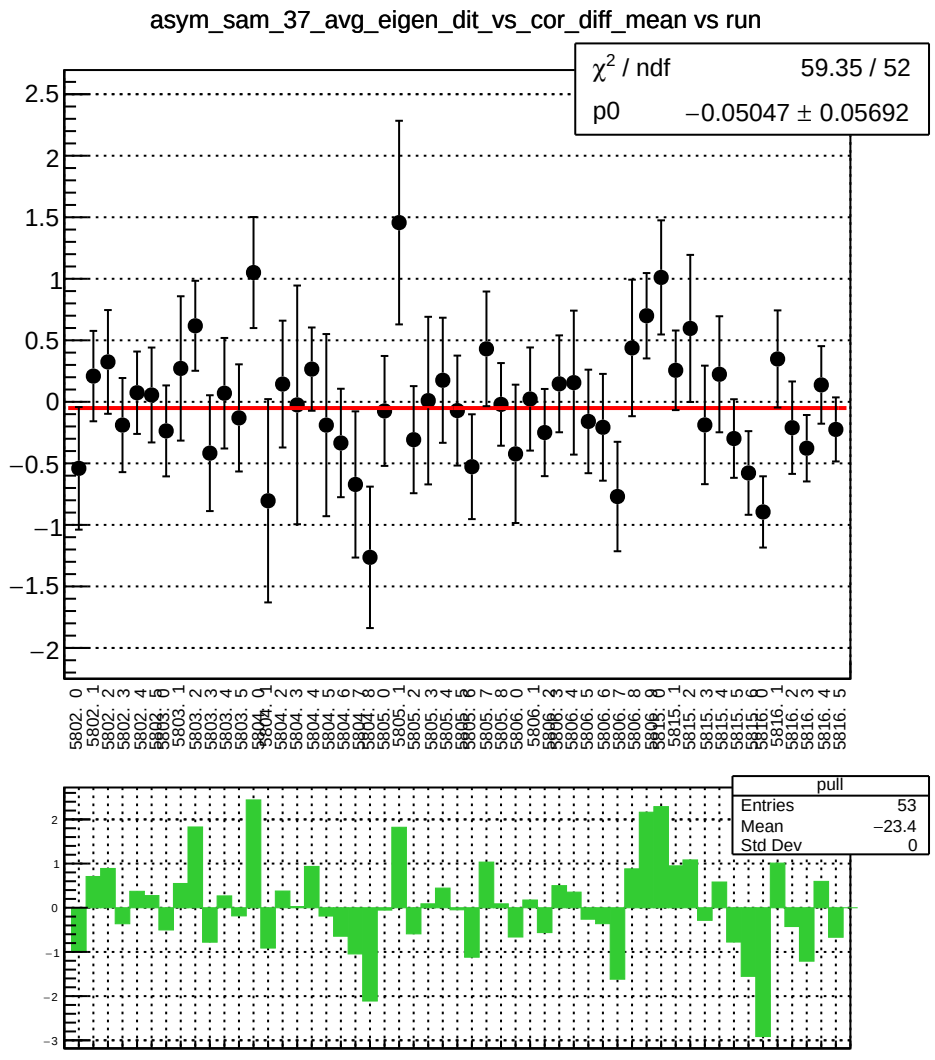
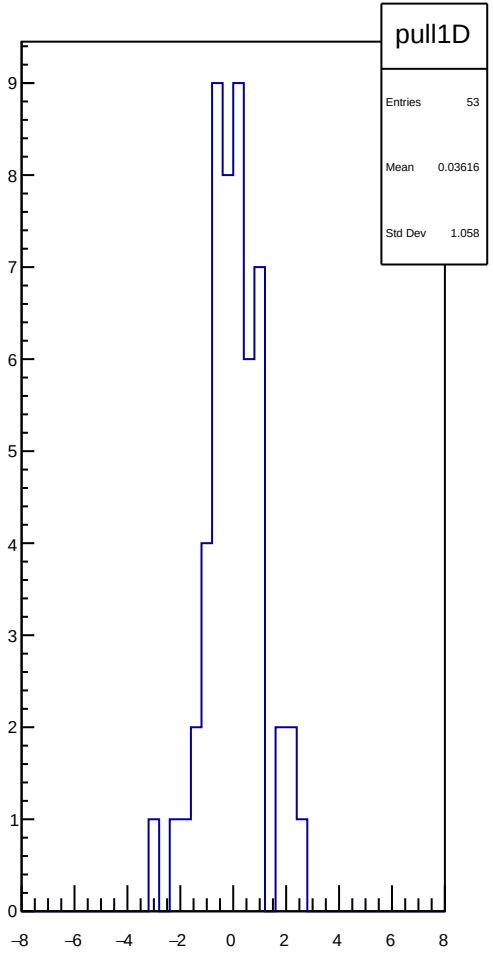
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

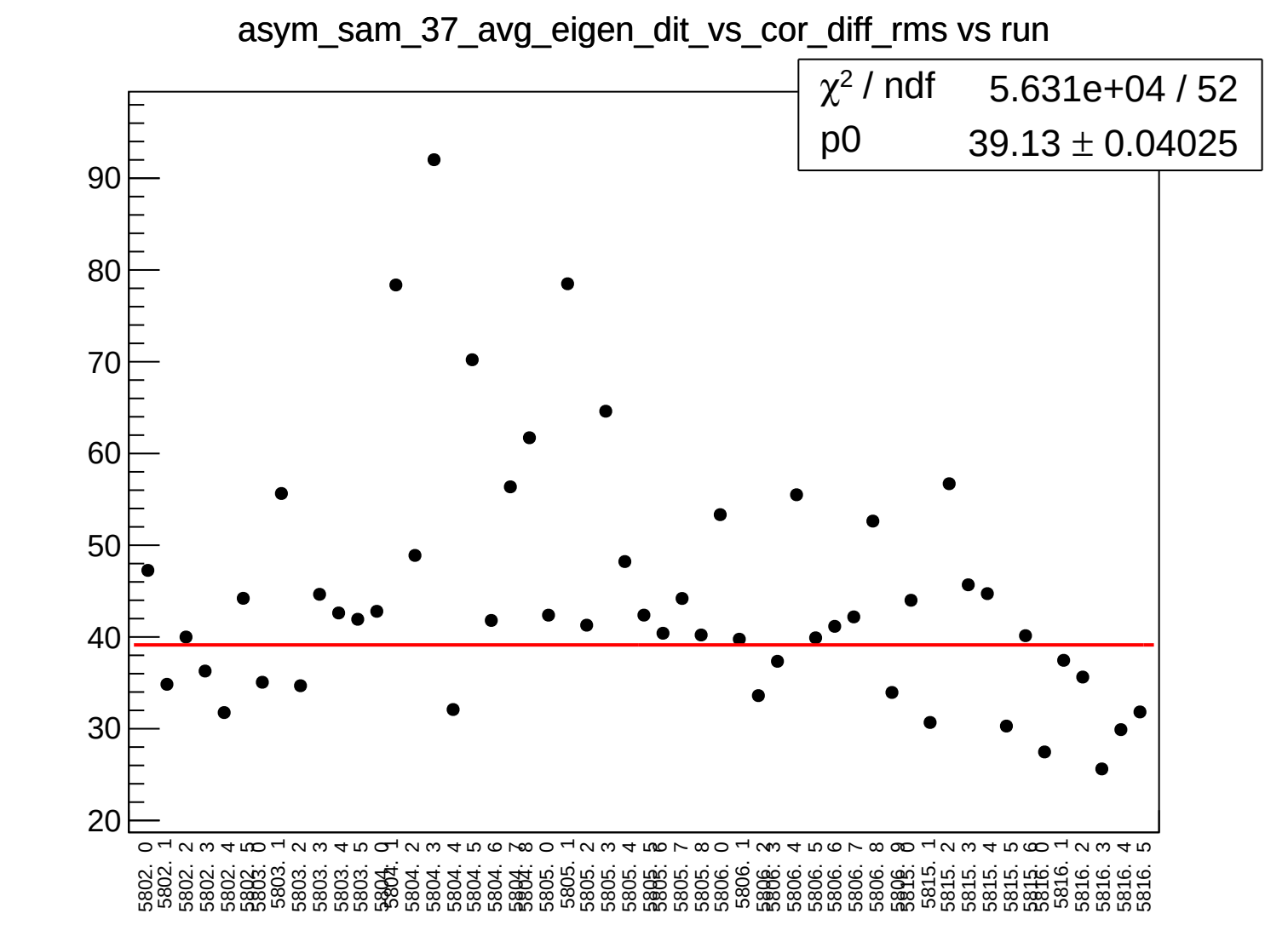

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.7 / 52
p0 −1.011e−06 ± 2.753e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 53
Mean −88.28
Std Dev 0
2
1
0
−1
−2
−3

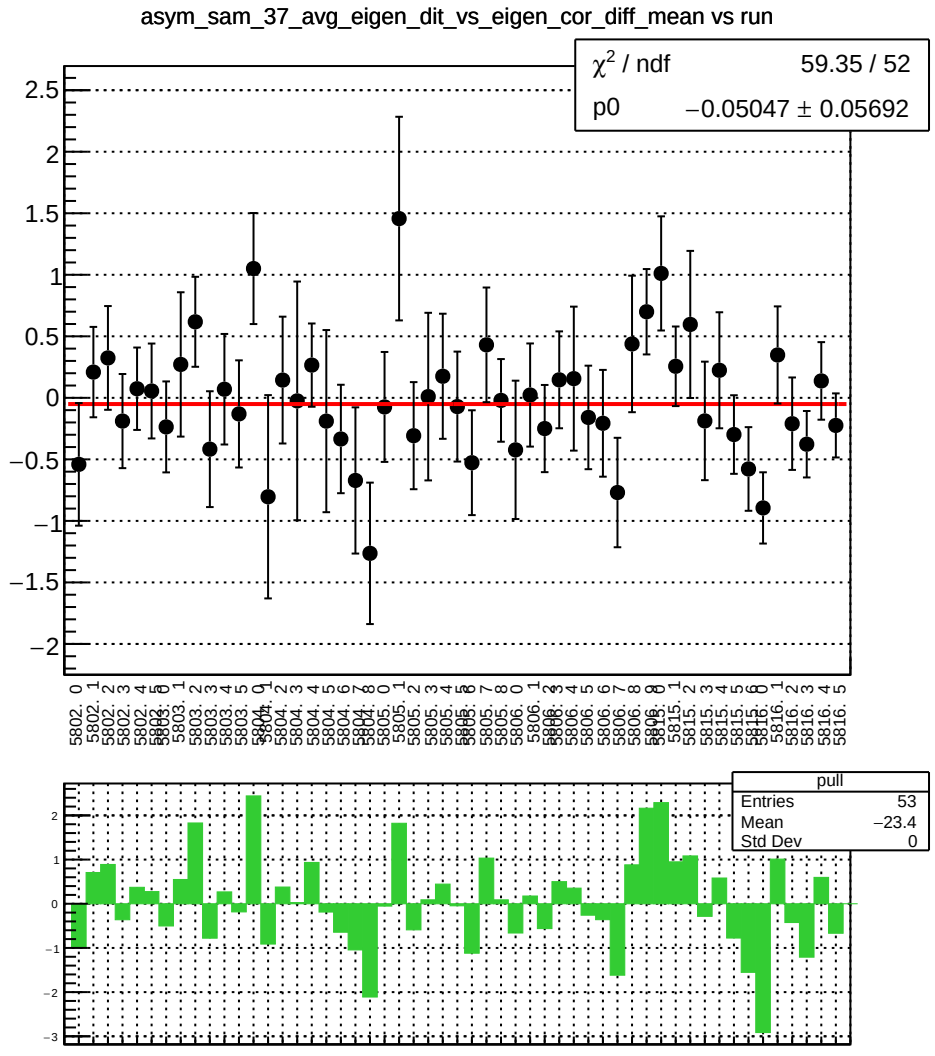

pull1D
Entries 53
Mean 0.02568
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

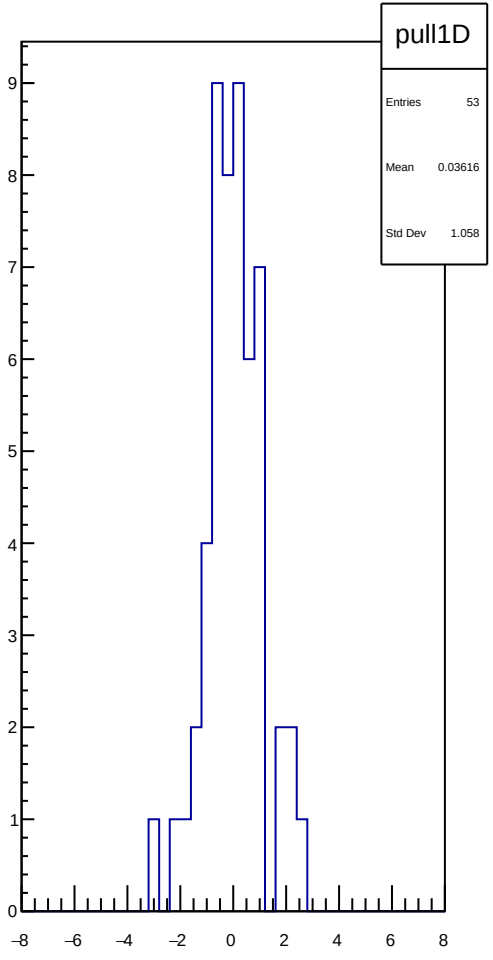

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3259 / 52
p0 0.001945 ± 1.947e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

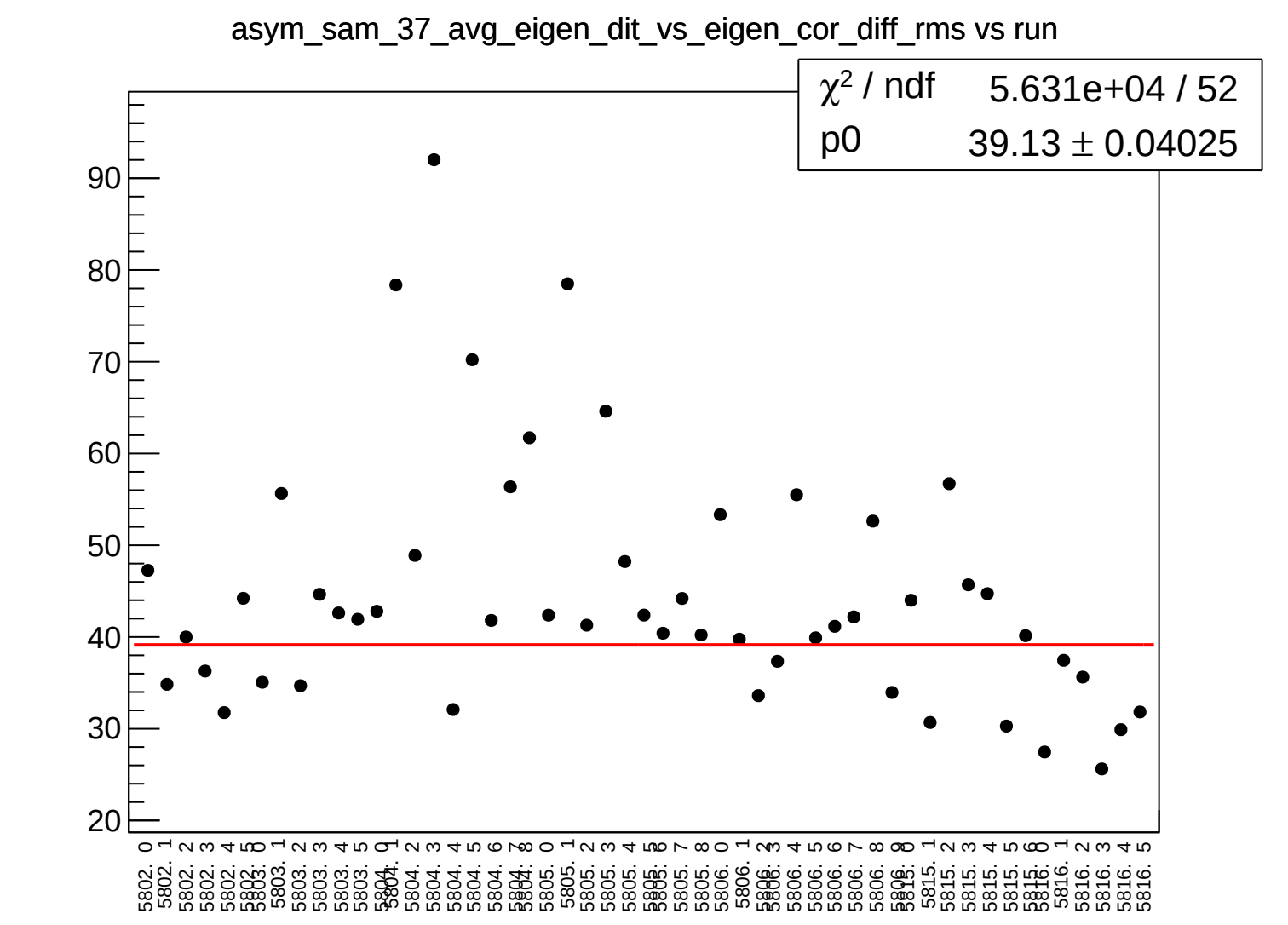

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.35 / 52
p0 −0.05047 ± 0.05692
pull
Entries 53
Mean −23.4
Std Dev 0

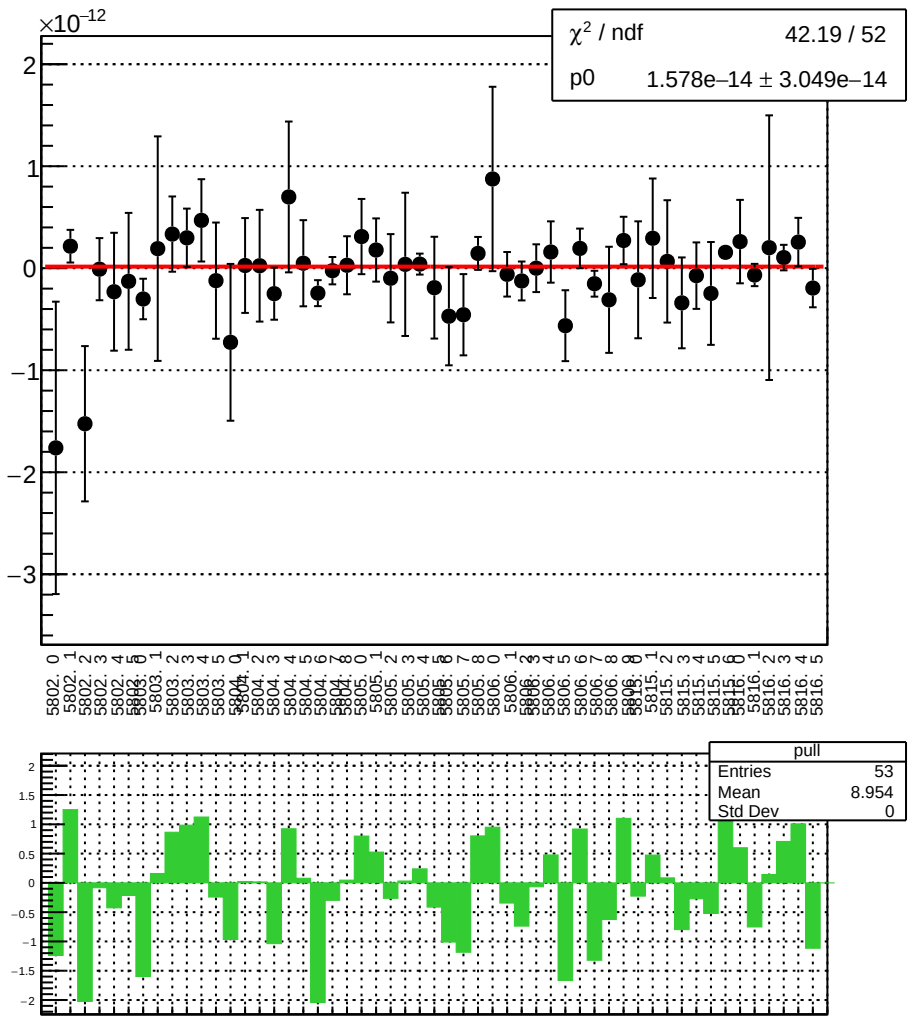

pull1D
Entries 53
Mean 0.03616
Std Dev 1.058

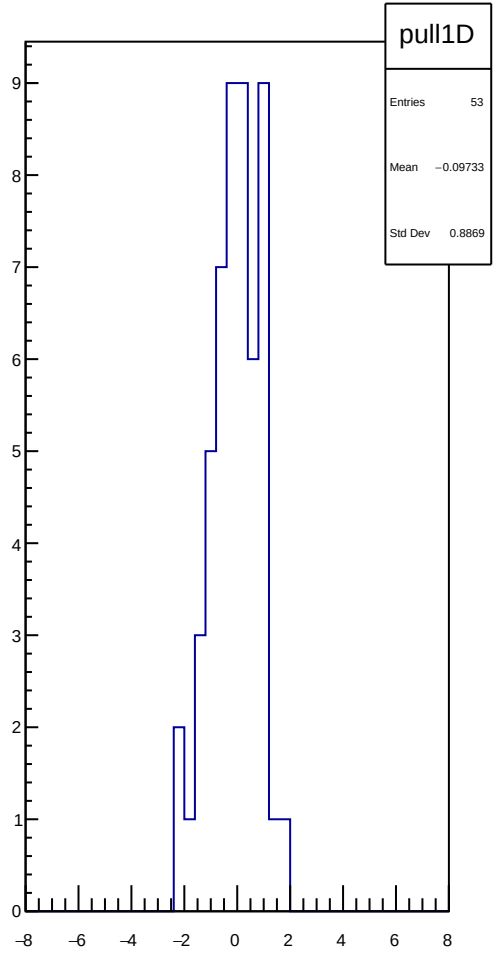

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.631e+04 / 52
p0 39.13 ± 0.04025
90
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

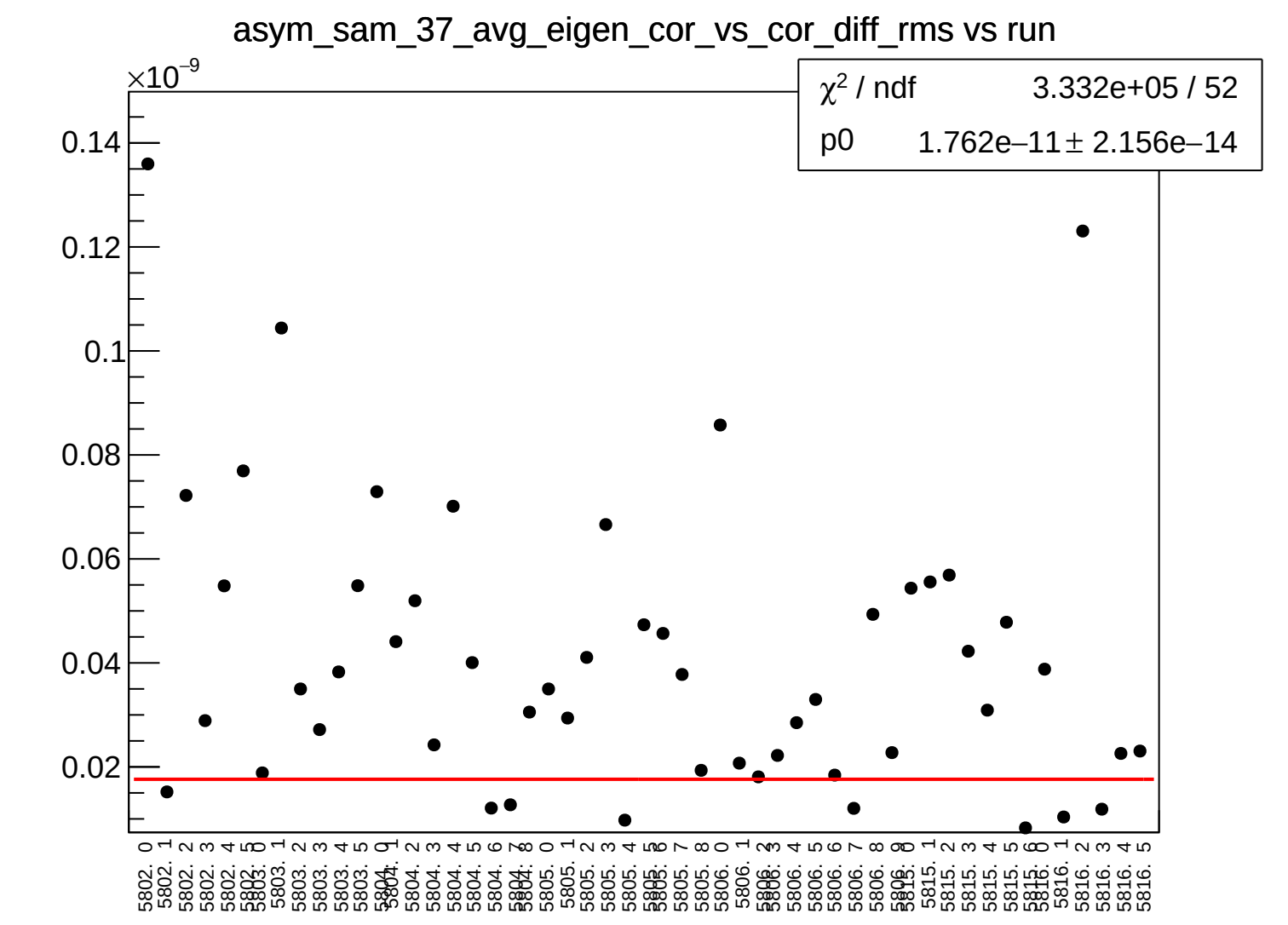

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.35 / 52
p0 −0.05047 ± 0.05692
pull
Entries 53
Mean −23.4
Std Dev 0

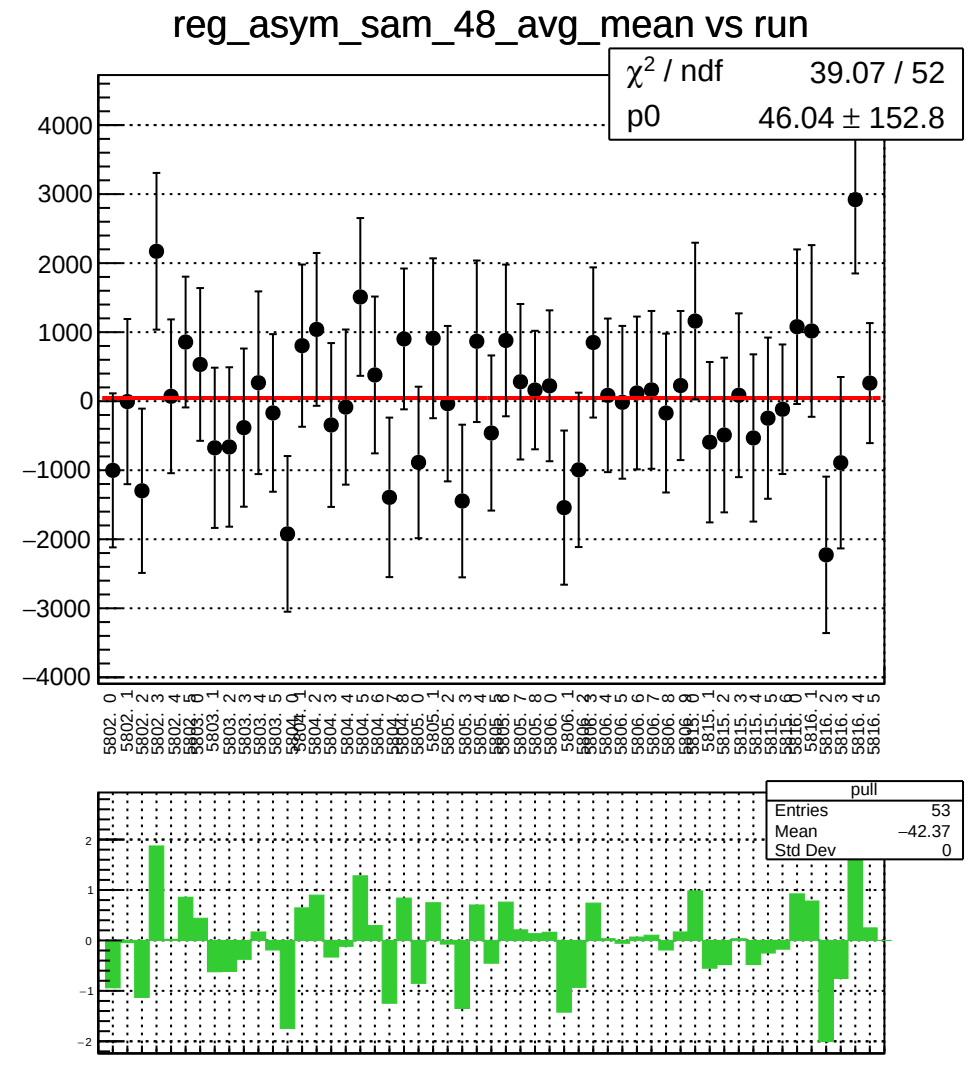

pull1D
Entries 53
Mean 0.03616
Std Dev 1.058

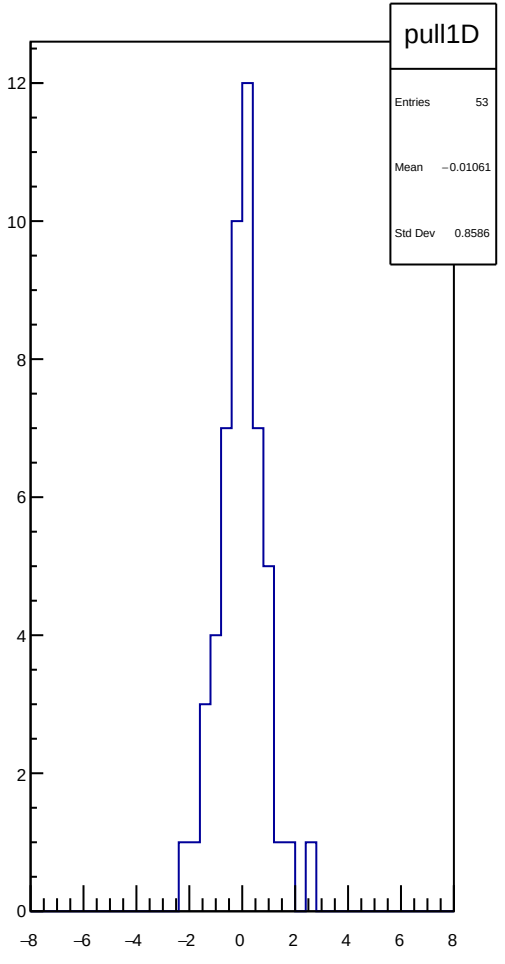

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.631e+04 / 52
p0 39.13 ± 0.04025
90
80
70
60
50
40
30
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

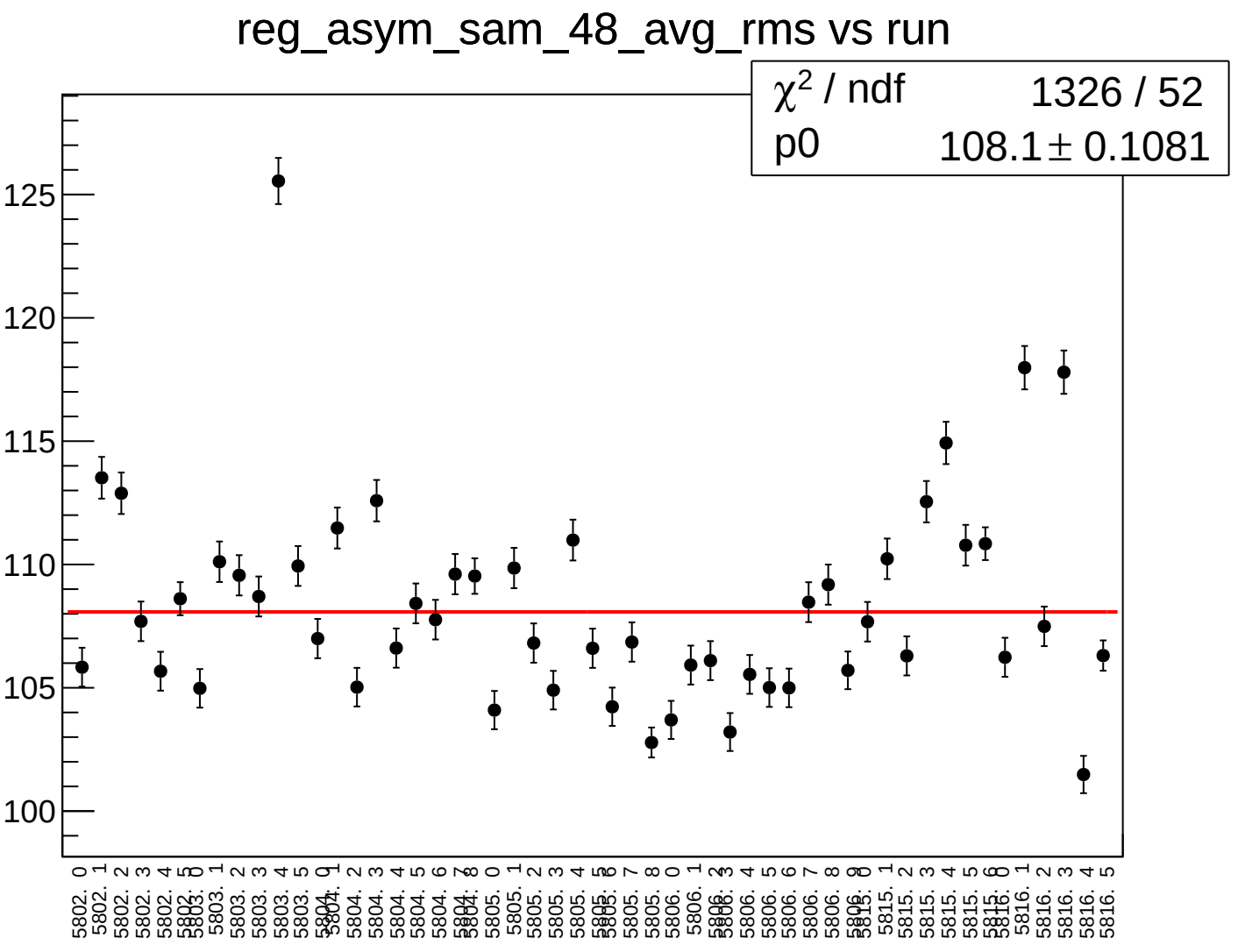

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.19 / 52
p0 1.578e−14 ± 3.049e−14
pull
Entries 53
Mean 8.954
Std Dev 0

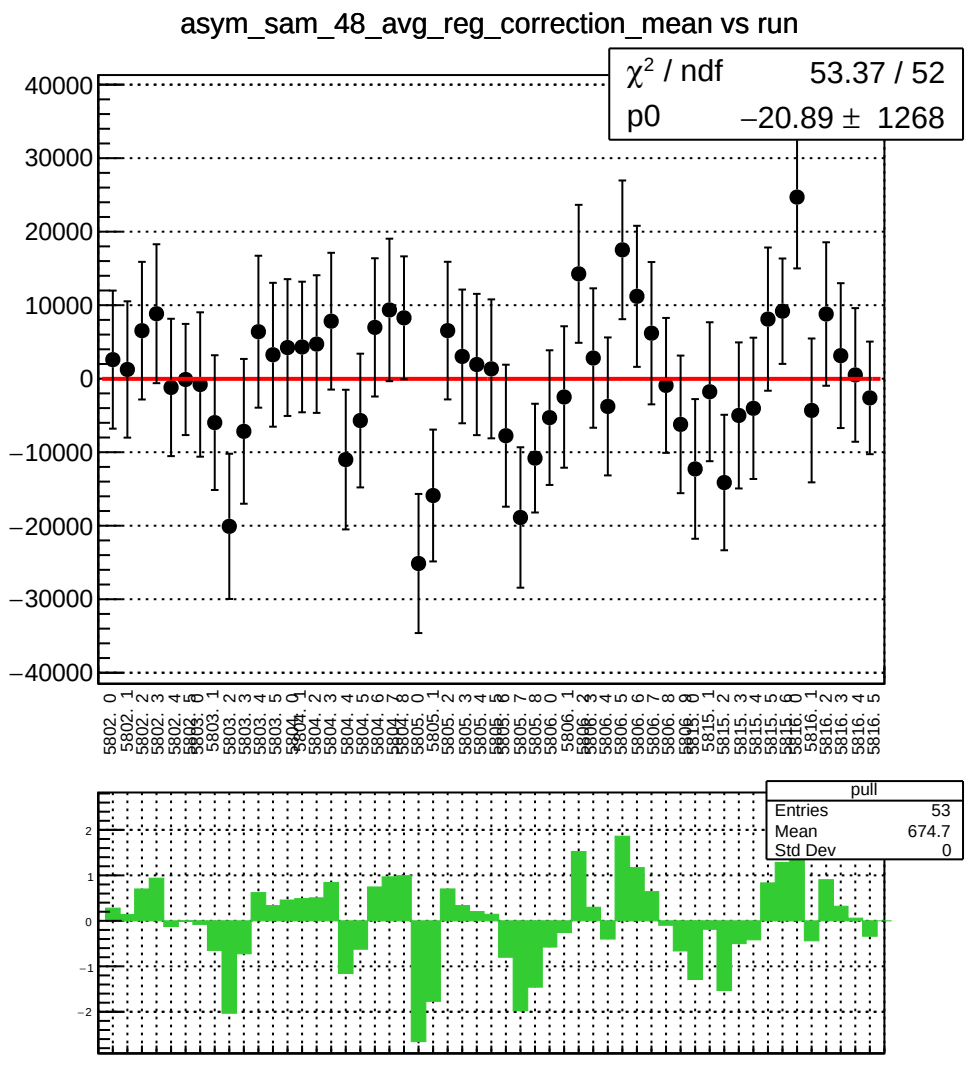

pull1D
Entries 53
Mean −0.09733
Std Dev 0.8869

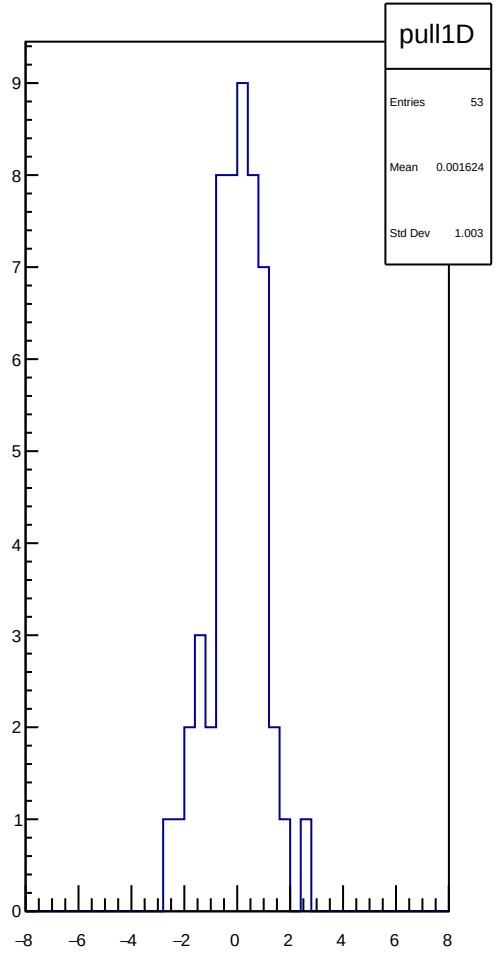

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.332e+05 / 52
p0 1.762e−11 ± 2.156e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

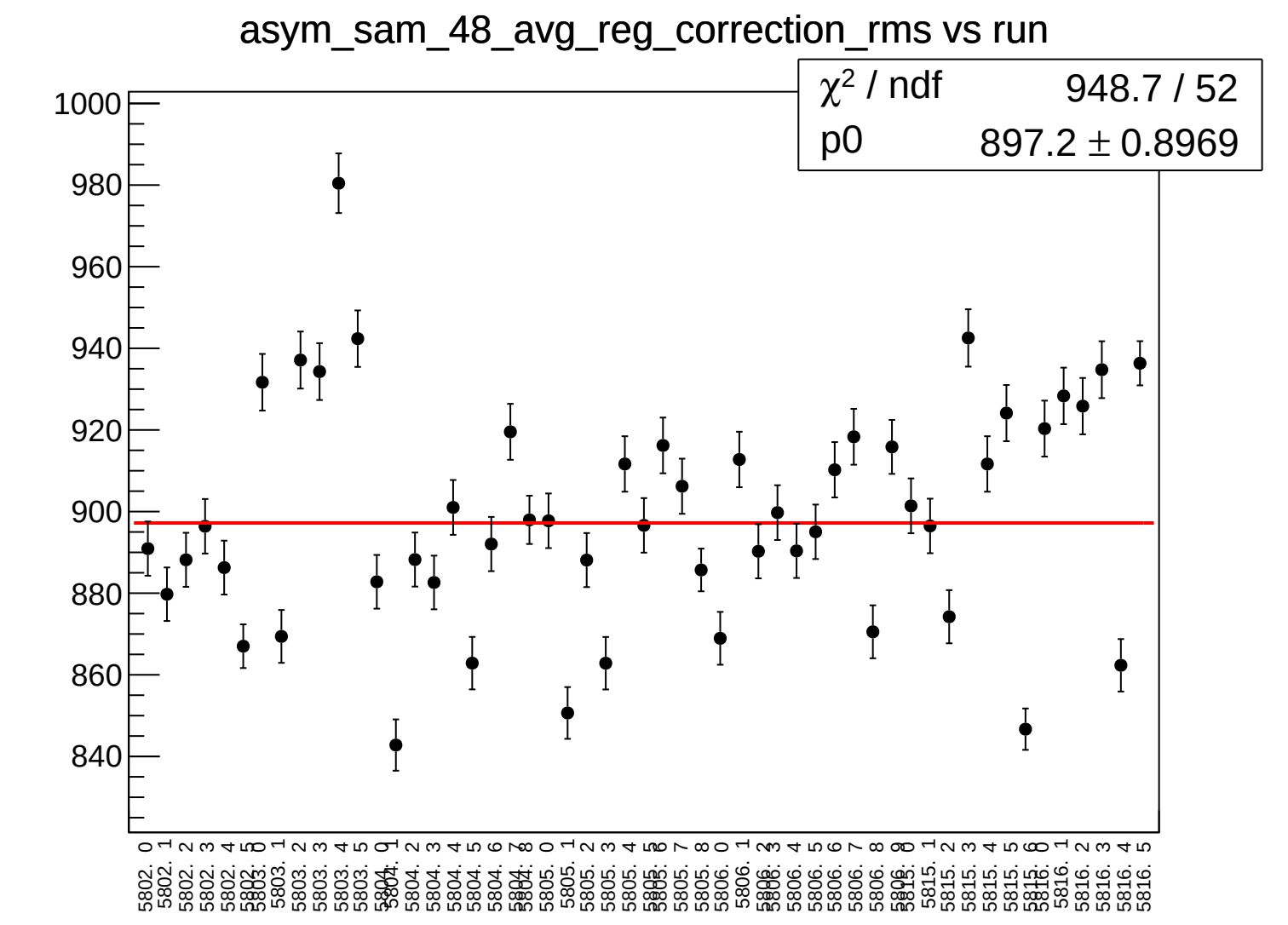

reg_asym_sam_48_avg_mean vs run
χ² / ndf 39.07 / 52
p0 46.04 ± 152.8
pull
Entries 53
Mean −42.37
Std Dev 0

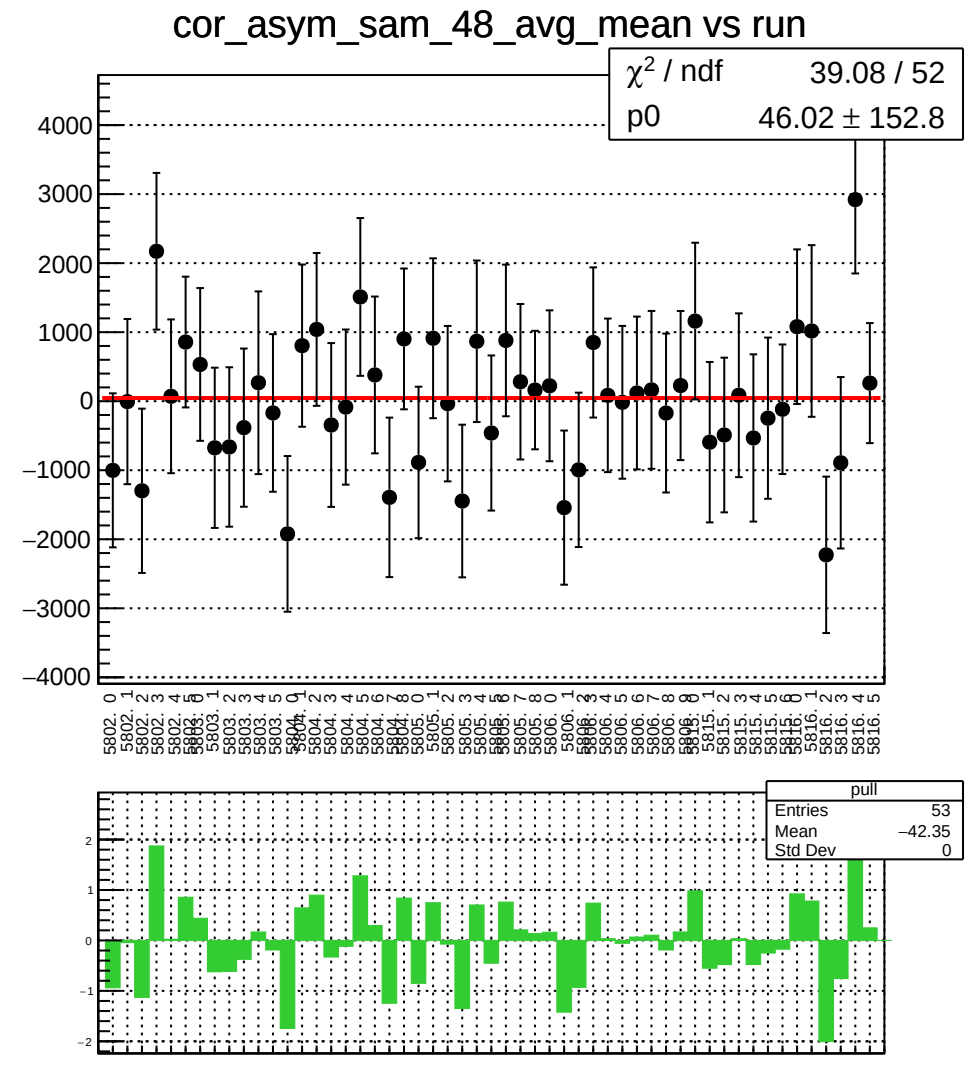

pull1D
Entries 53
Mean −0.01061
Std Dev 0.8586

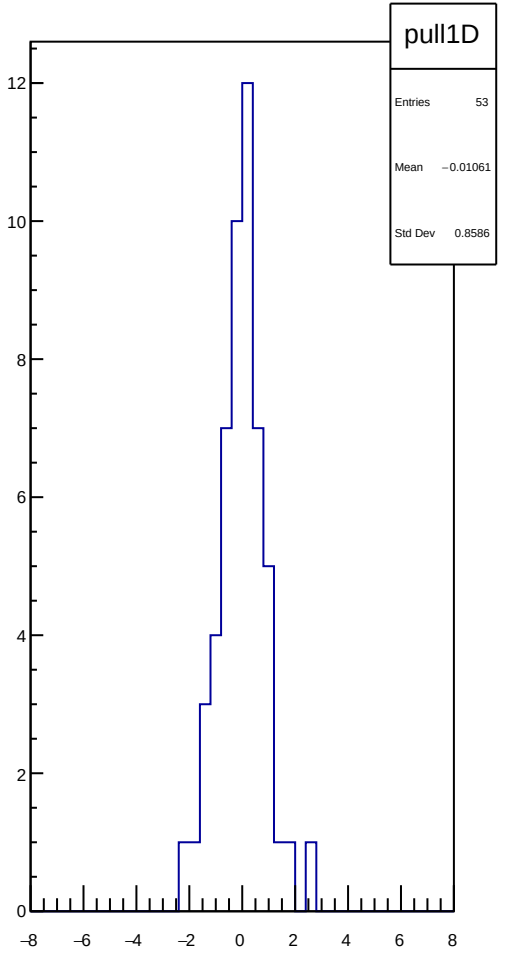

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1326 / 52
p0 108.1 ± 0.1081
125
120
115
110
105
100

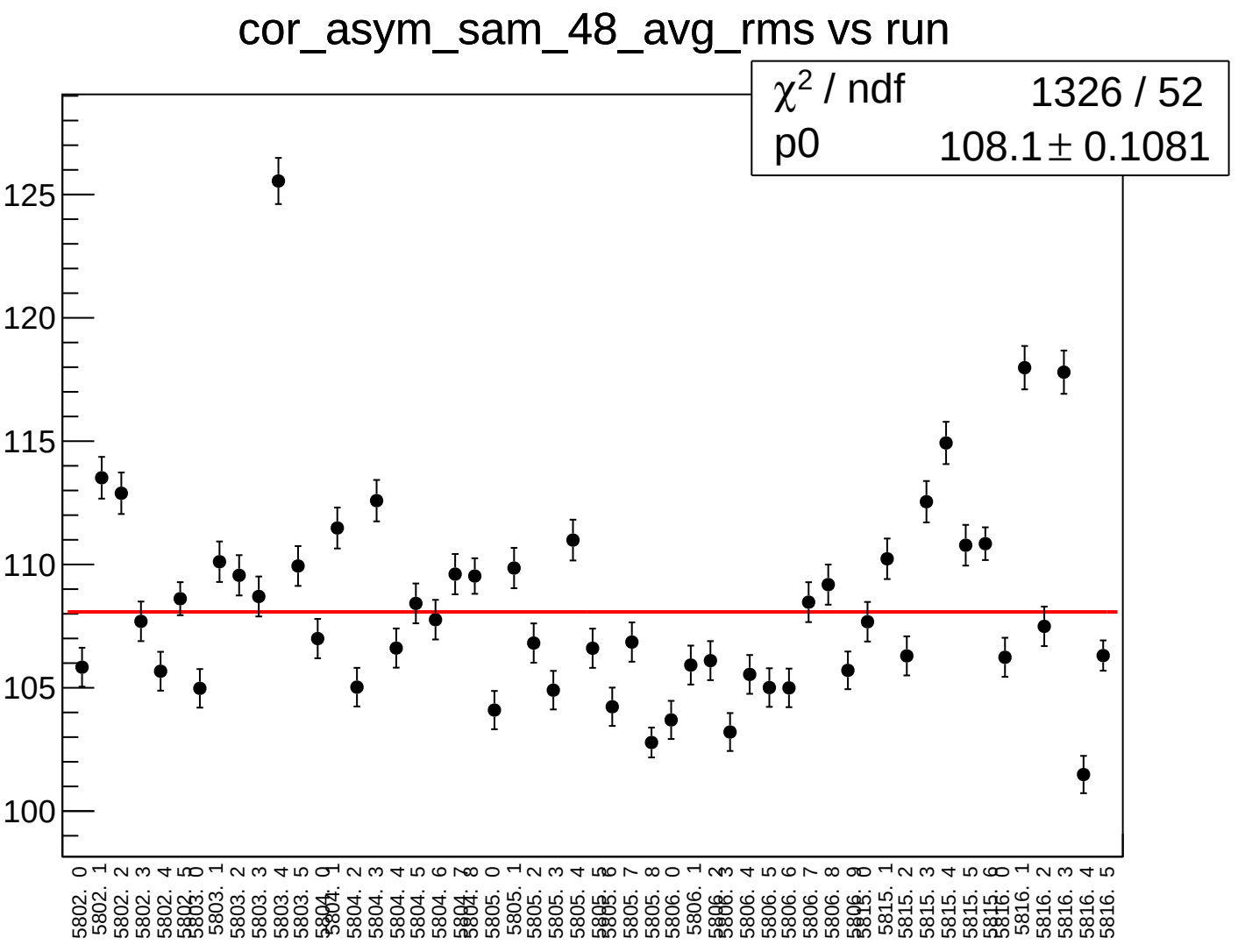

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 53.37 / 52
p0 −20.89 ± 1268
pull
Entries 53
Mean 674.7
Std Dev 0

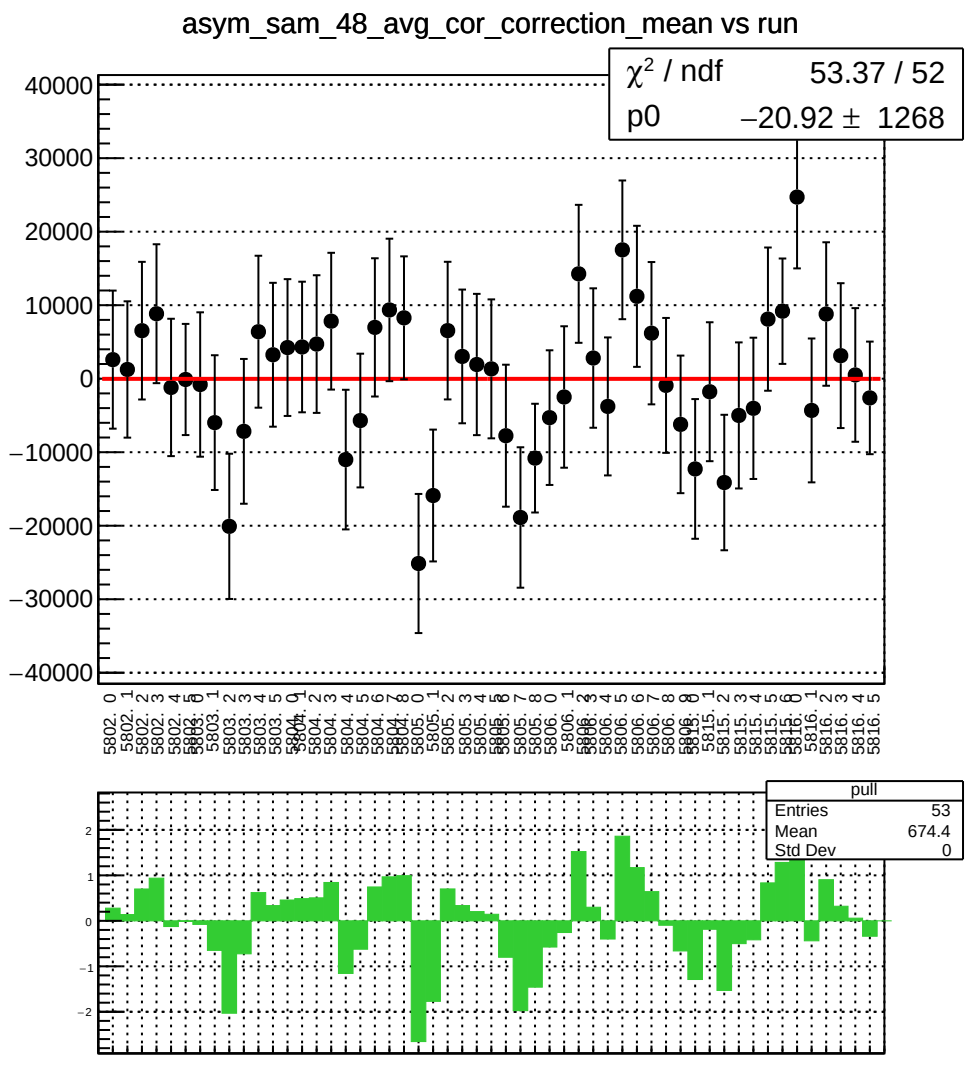

pull1D
Entries 53
Mean 0.001624
Std Dev 1.003

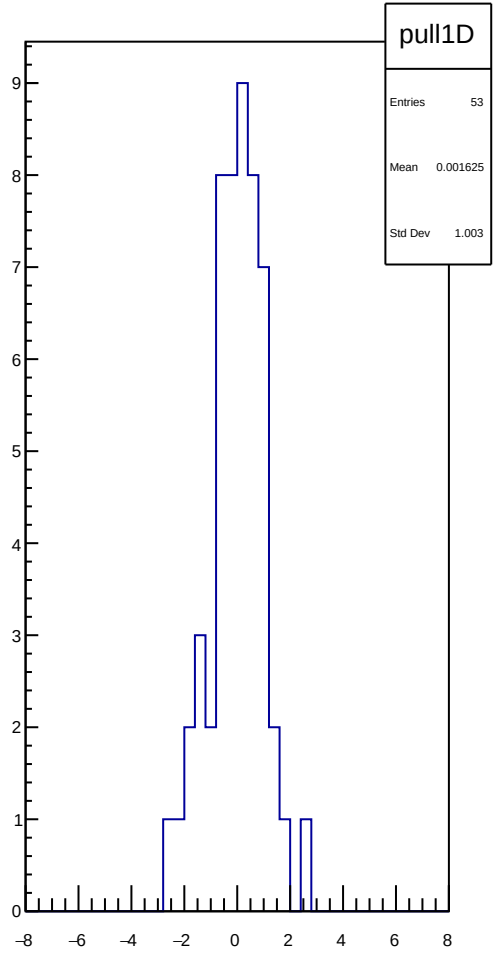

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 948.7 / 52
p0 897.2 ± 0.8969
1000
980
960
940
920
900
880
860
840

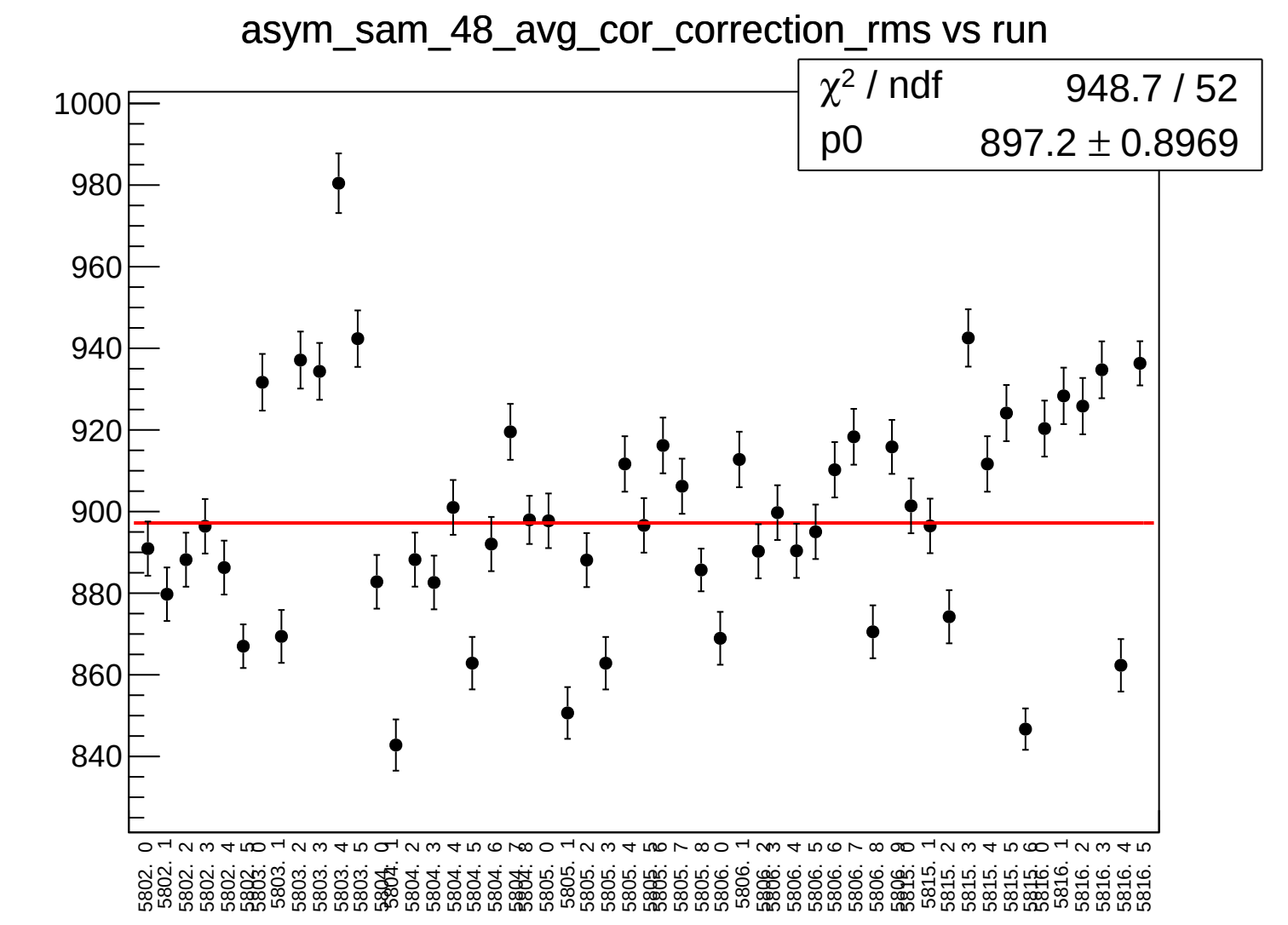

cor_asym_sam_48_avg_mean vs run
χ² / ndf 39.08 / 52
p0 46.02 ± 152.8
pull
Entries 53
Mean −42.35
Std Dev 0

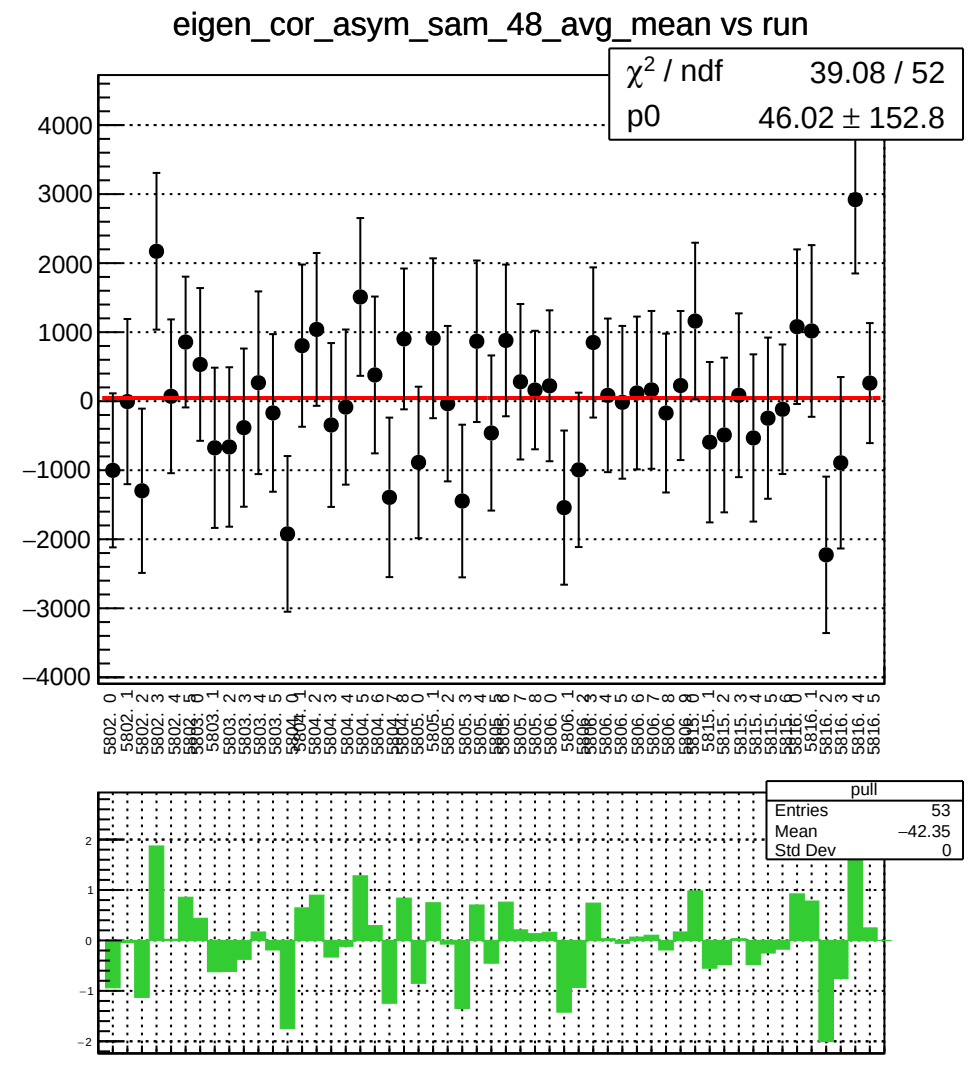

pull1D
Entries 53
Mean −0.01061
Std Dev 0.8586

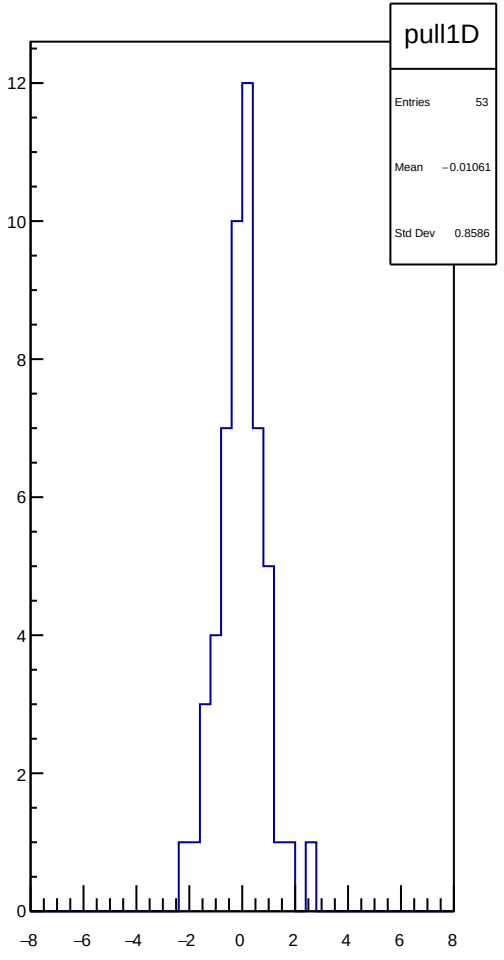

cor_asym_sam_48_avg_rms vs run
χ² / ndf 1326 / 52
p0 108.1 ± 0.1081
125
120
115
110
105
100

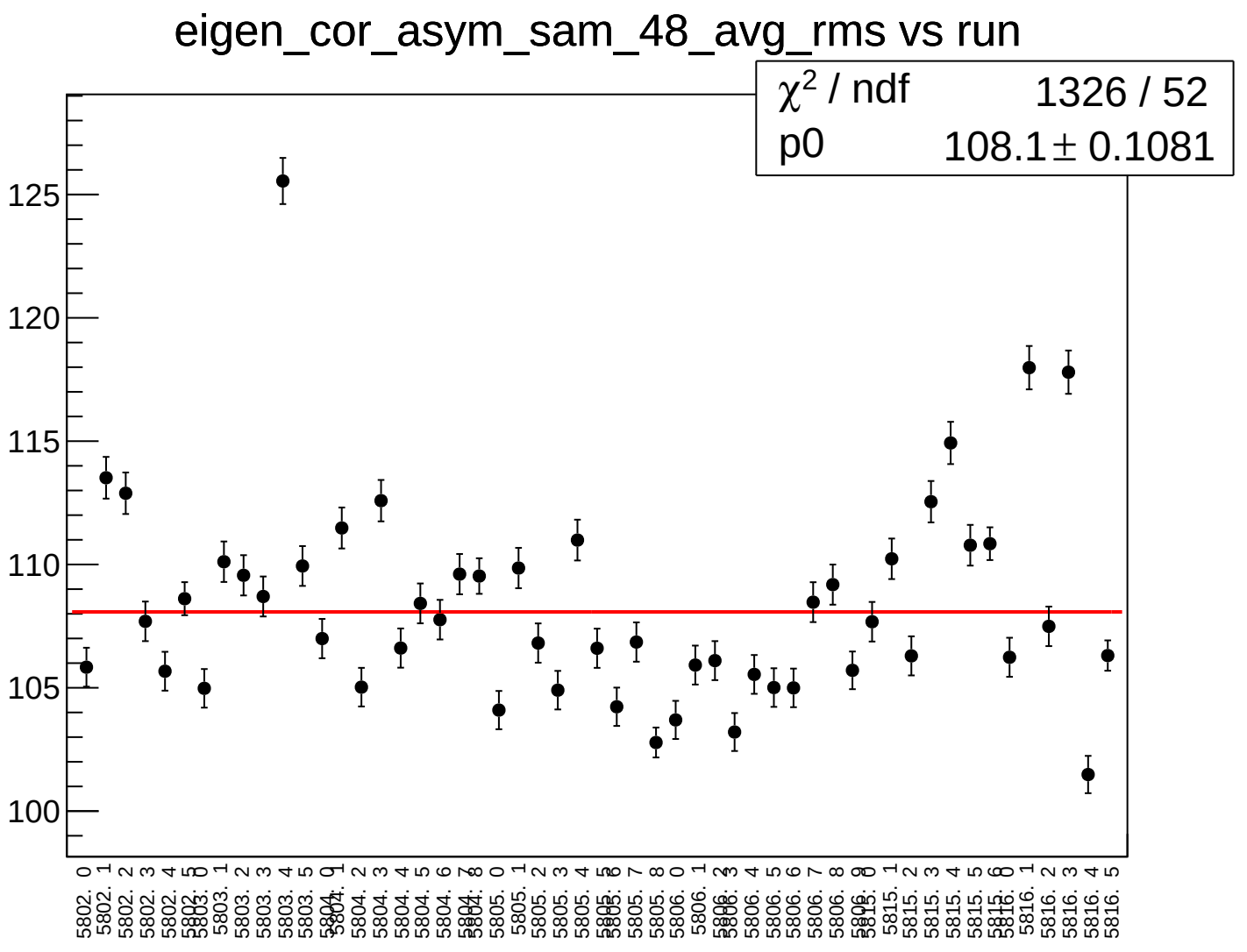

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 53.37 / 52
p0 −20.92 ± 1268
pull
Entries 53
Mean 674.4
Std Dev 0

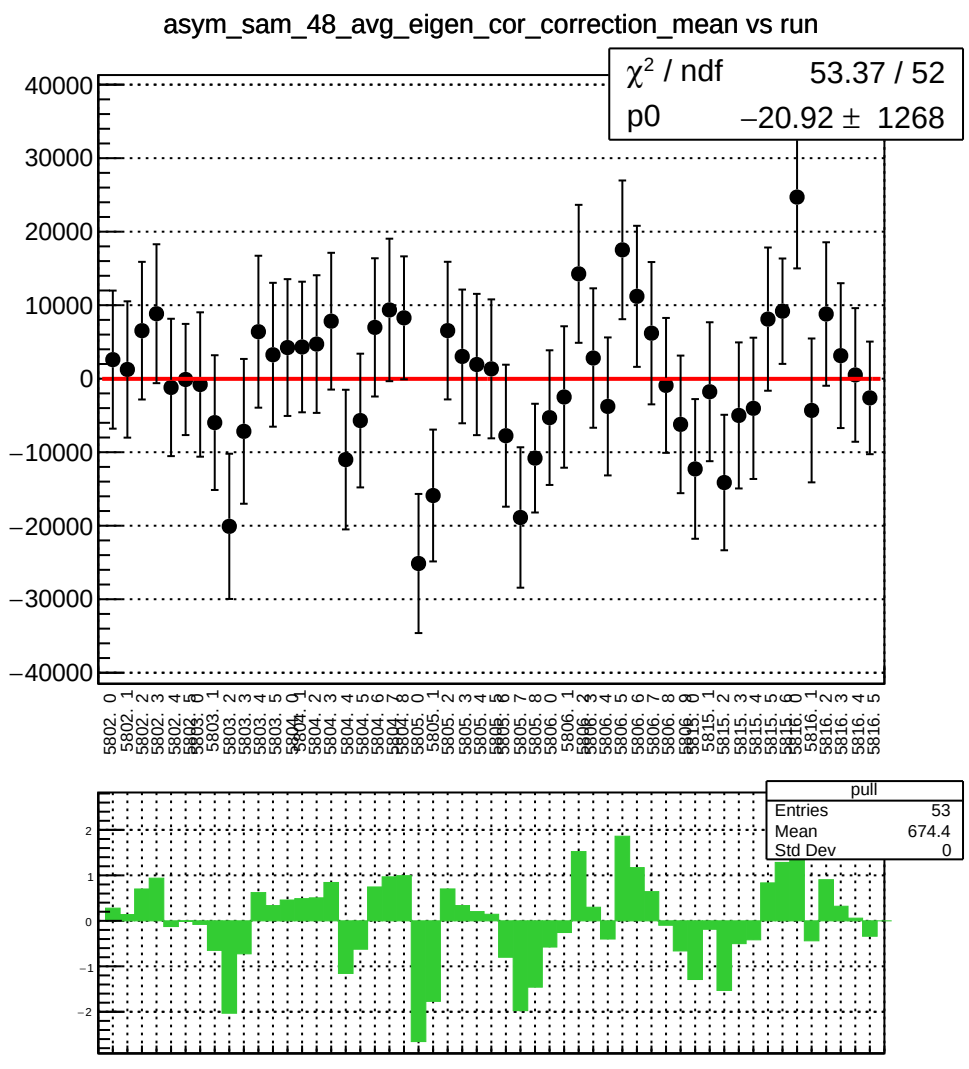

pull1D
Entries 53
Mean 0.001625
Std Dev 1.003

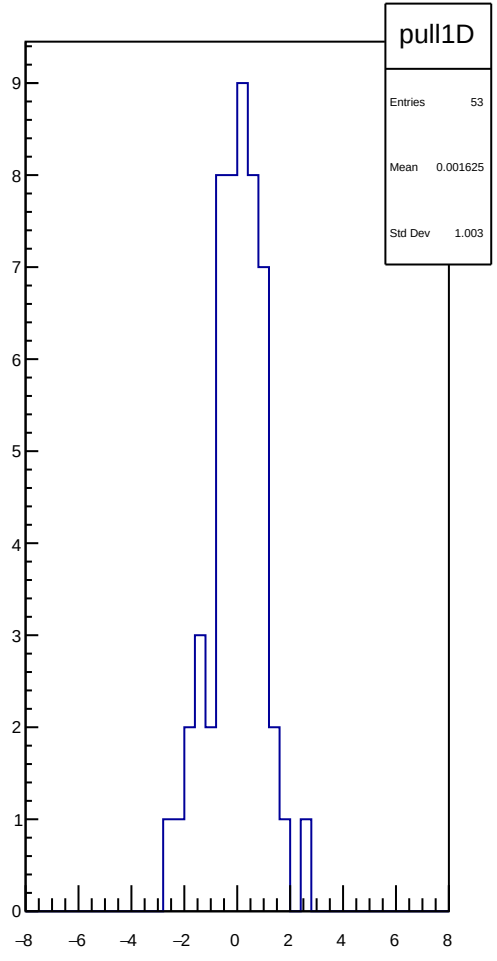

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 948.7 / 52
p0 897.2 ± 0.8969
1000
980
960
940
920
900
880
860
840

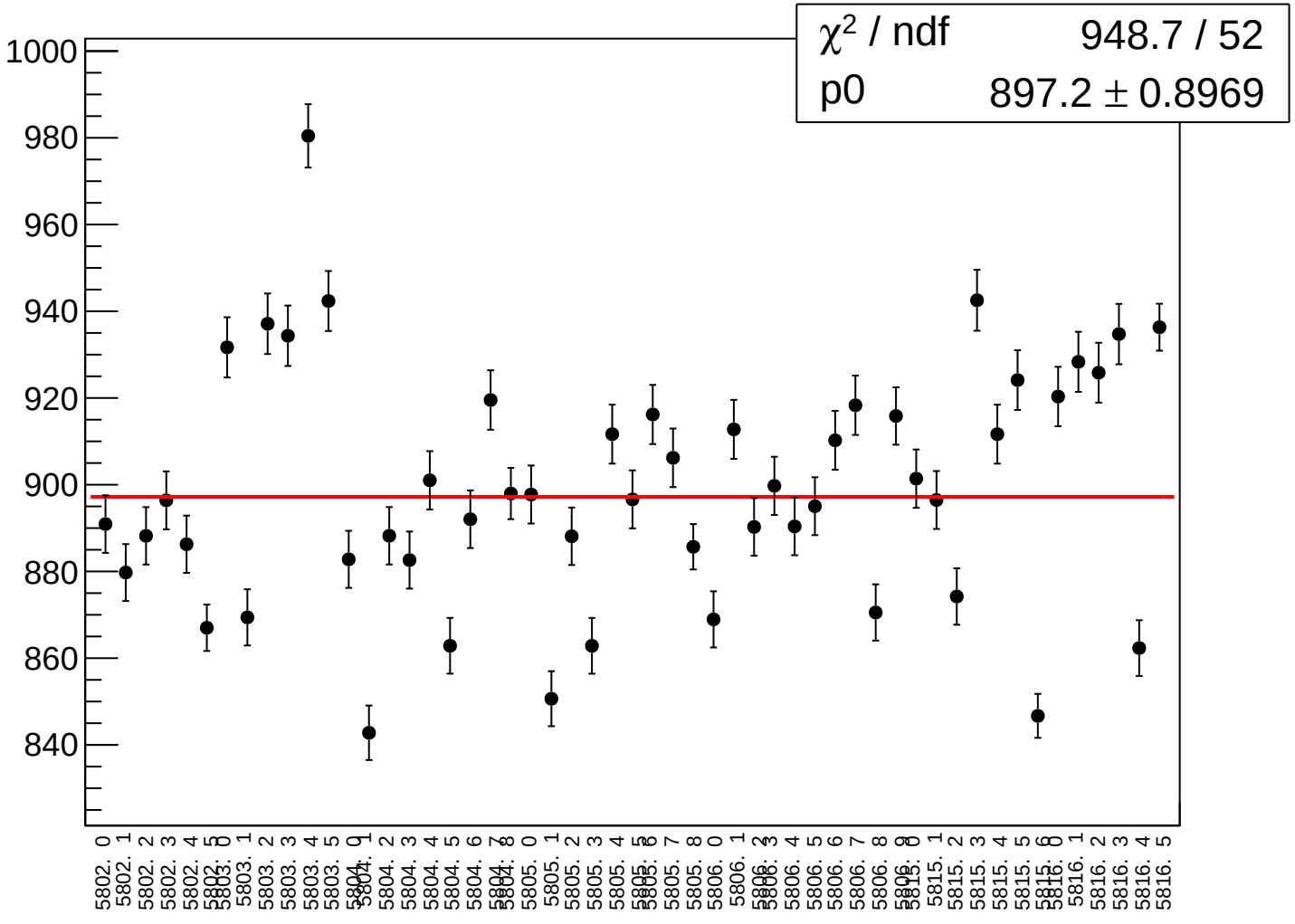

eigen_cor_asym_sam_48_avg_mean vs run
χ^2 / ndf 39.08 / 52
p0 46.02 ± 152.8
pull
Entries 53
Mean −42.35
Std Dev 0

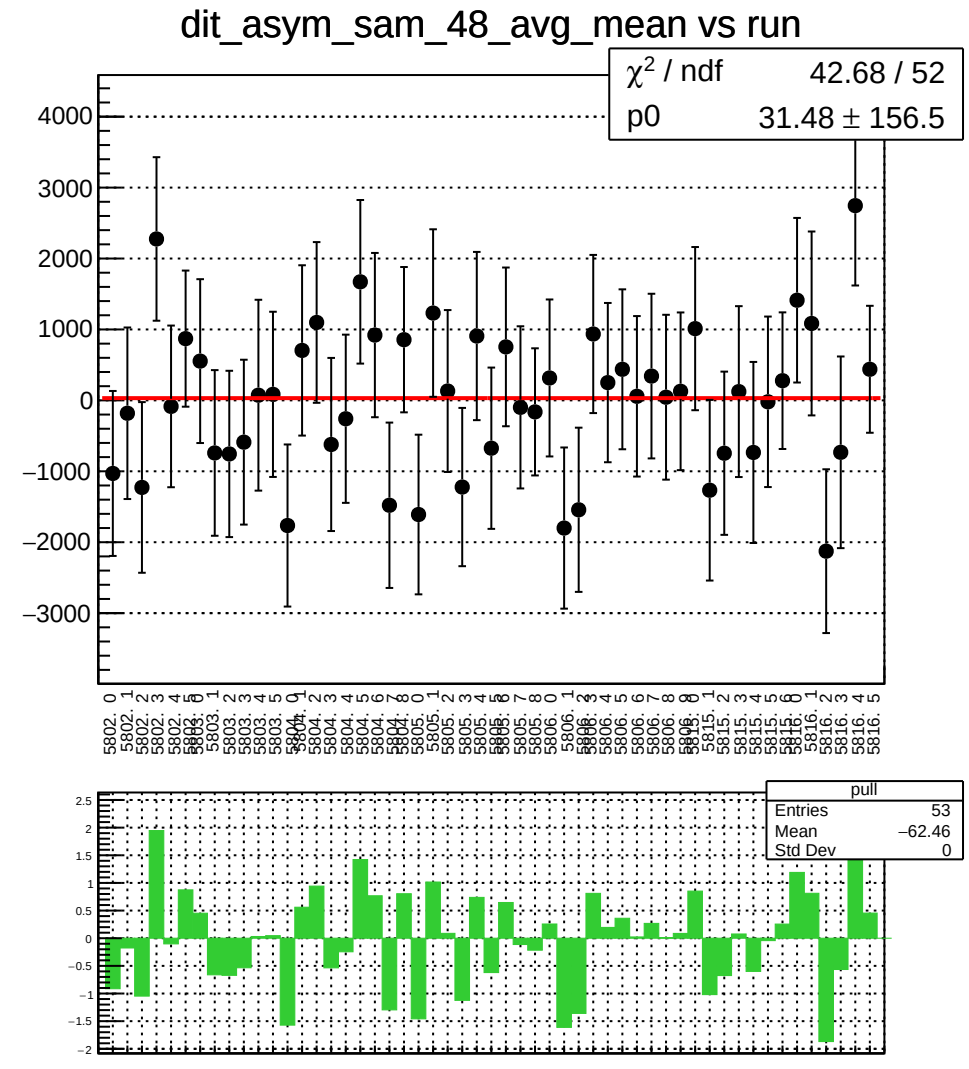

pull1D
Entries 53
Mean −0.01061
Std Dev 0.8586

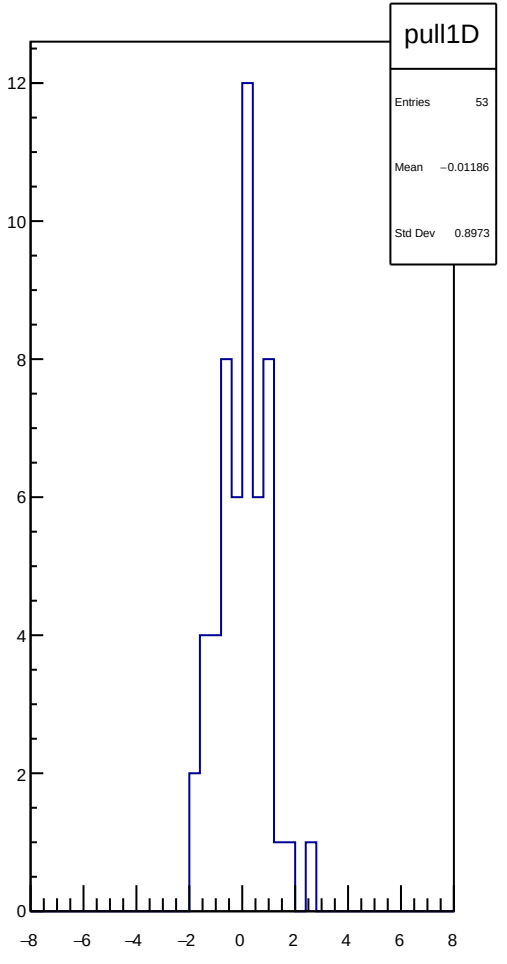

eigen_cor_asym_sam_48_avg_rms vs run
χ^2 / ndf 1326 / 52
p0 108.1 ± 0.1081
125
120
115
110
105
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

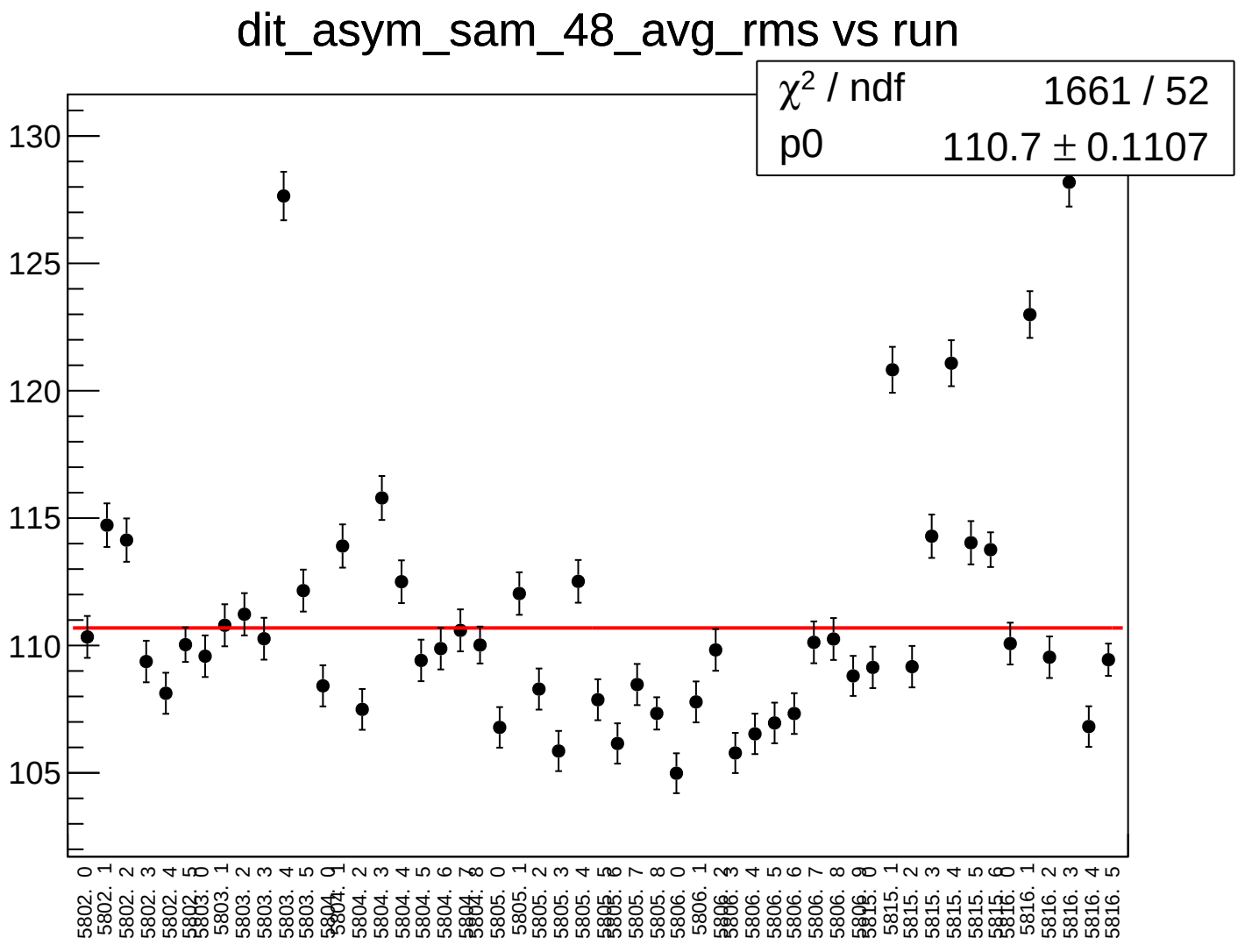

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 53.37 / 52
p0 −20.92 ± 1268
pull
Entries 53
Mean 674.4
Std Dev 0

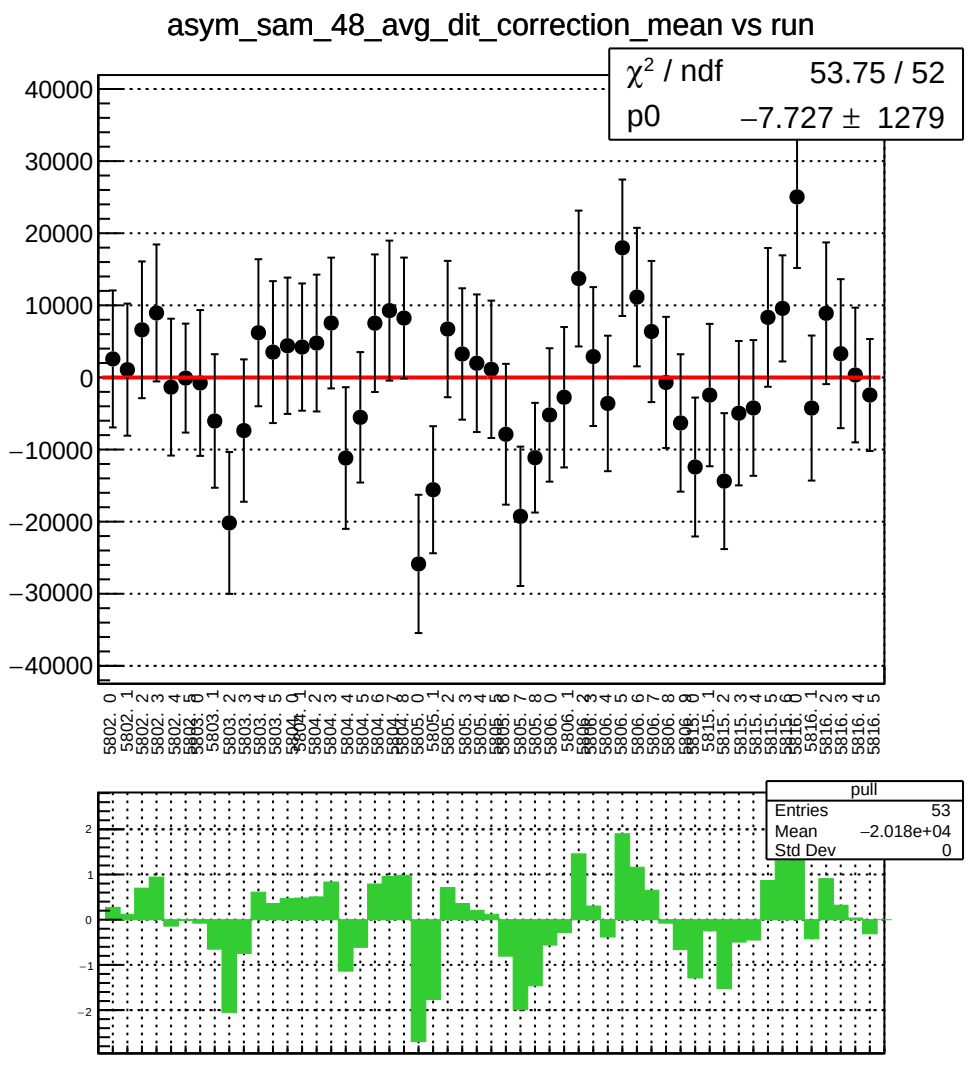

pull1D
Entries 53
Mean 0.001625
Std Dev 1.003

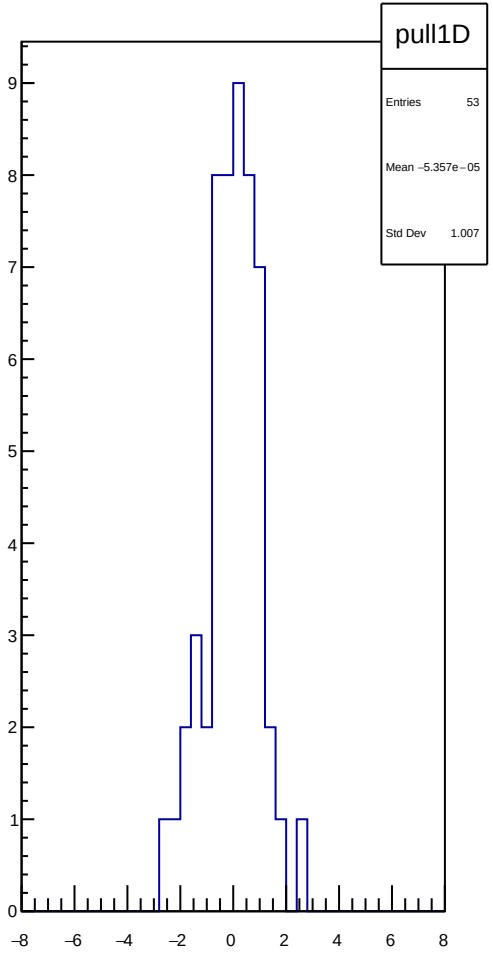

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 948.7 / 52
p0 897.2 ± 0.8969
1000
980
960
940
920
900
880
860
840

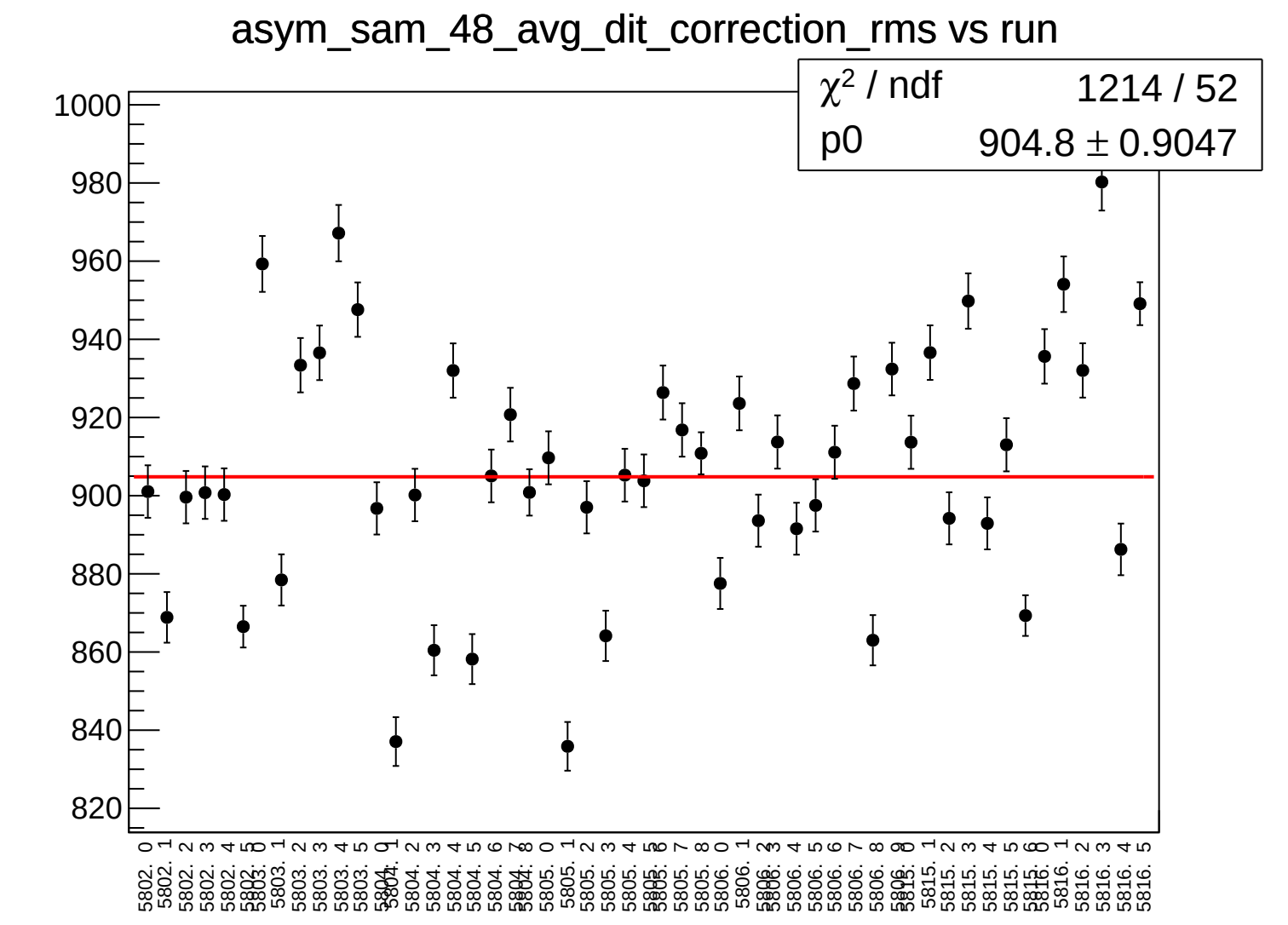

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 42.68 / 52
p0 31.48 ± 156.5
pull
Entries 53
Mean −62.46
Std Dev 0

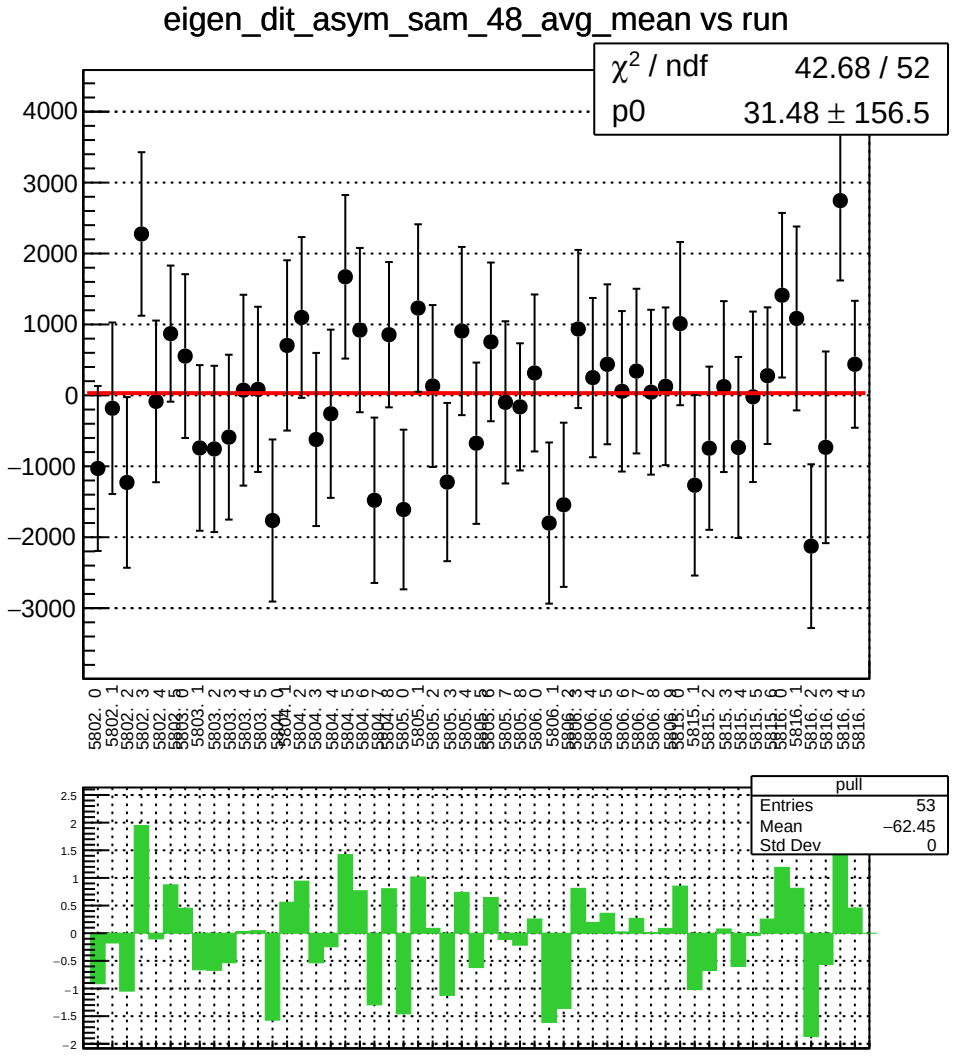

pull1D
Entries 53
Mean −0.01186
Std Dev 0.8973

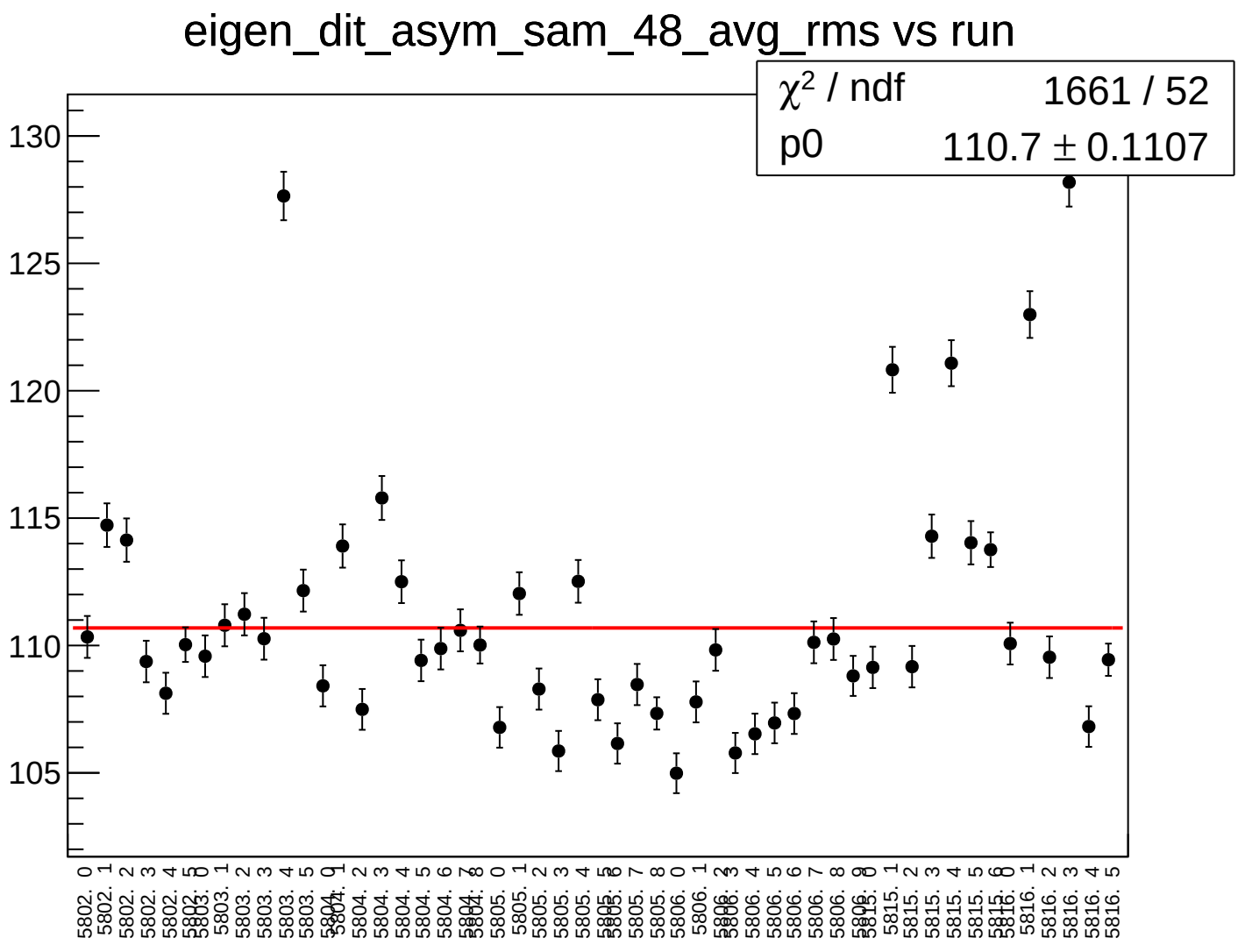

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1661 / 52
p0 110.7 ± 0.1107
130
125
120
115
110
105

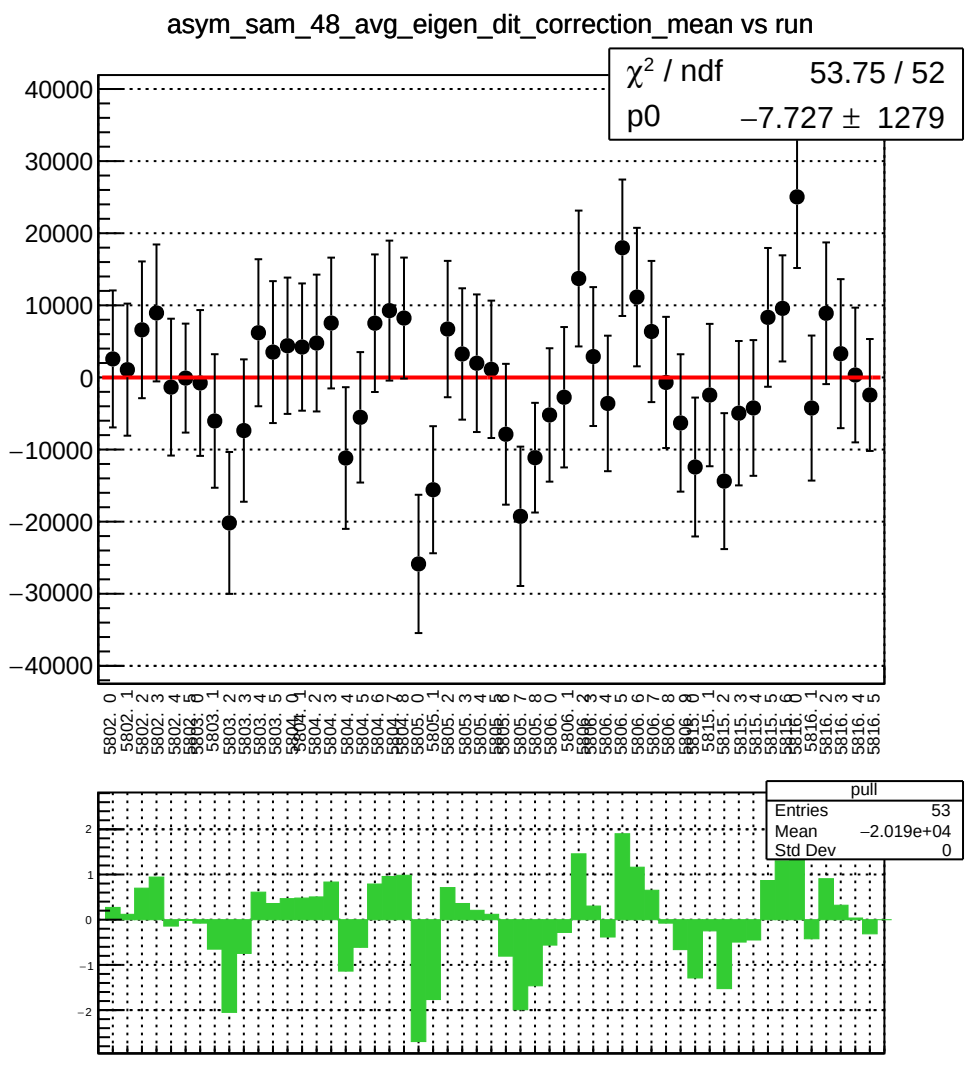

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 53.75 / 52
p0 −7.727 ± 1279
pull
Entries 53
Mean −2.018e+04
Std Dev 0

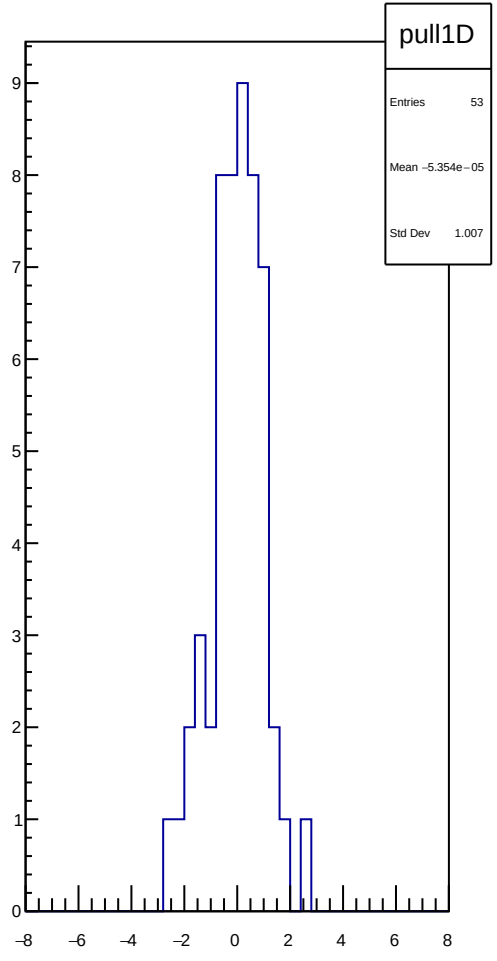

pull1D
Entries 53
Mean −5.357e−05
Std Dev 1.007

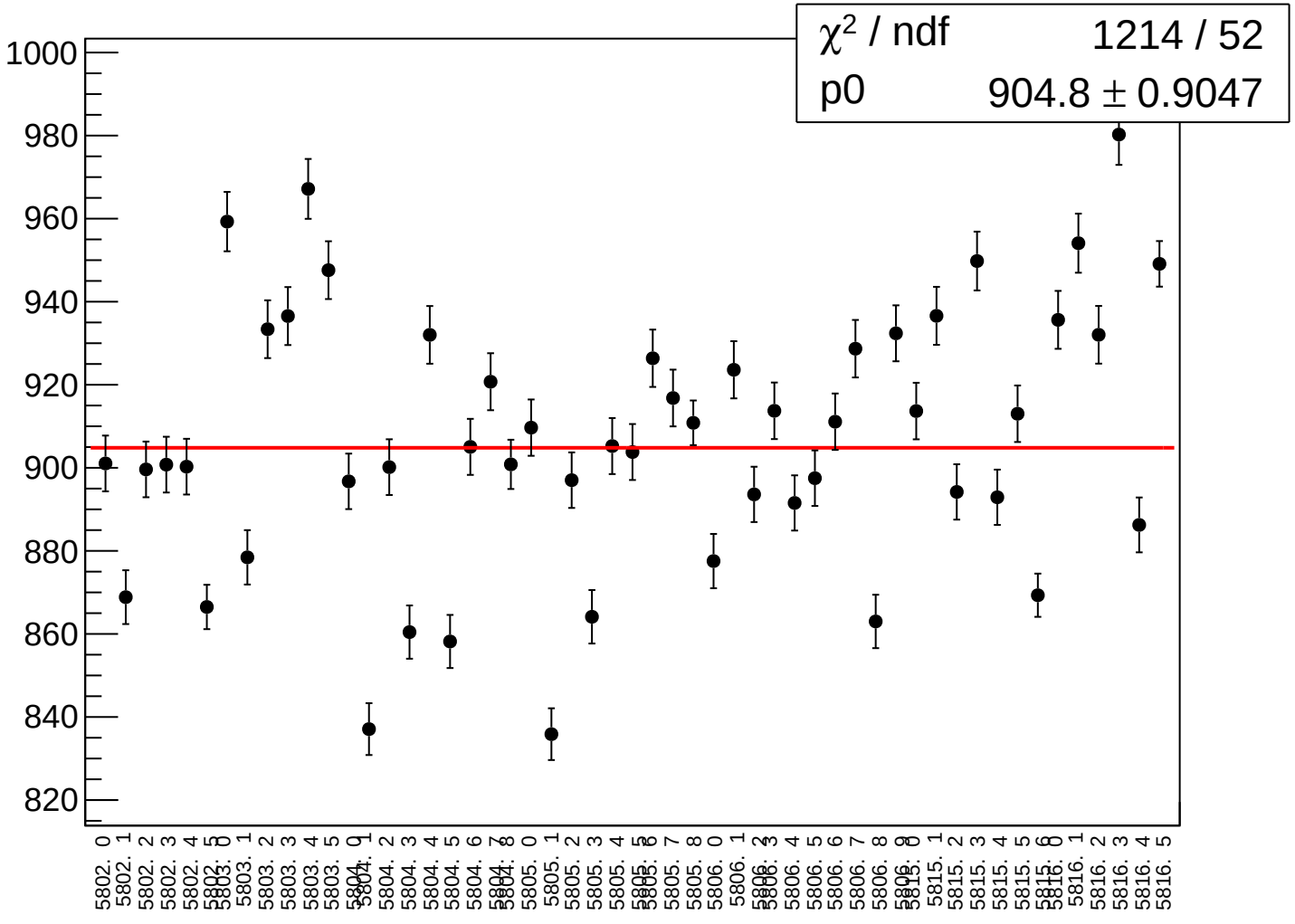

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1214 / 52
p0 904.8 ± 0.9047
1000
980
960
940
920
900
880
860
840
820

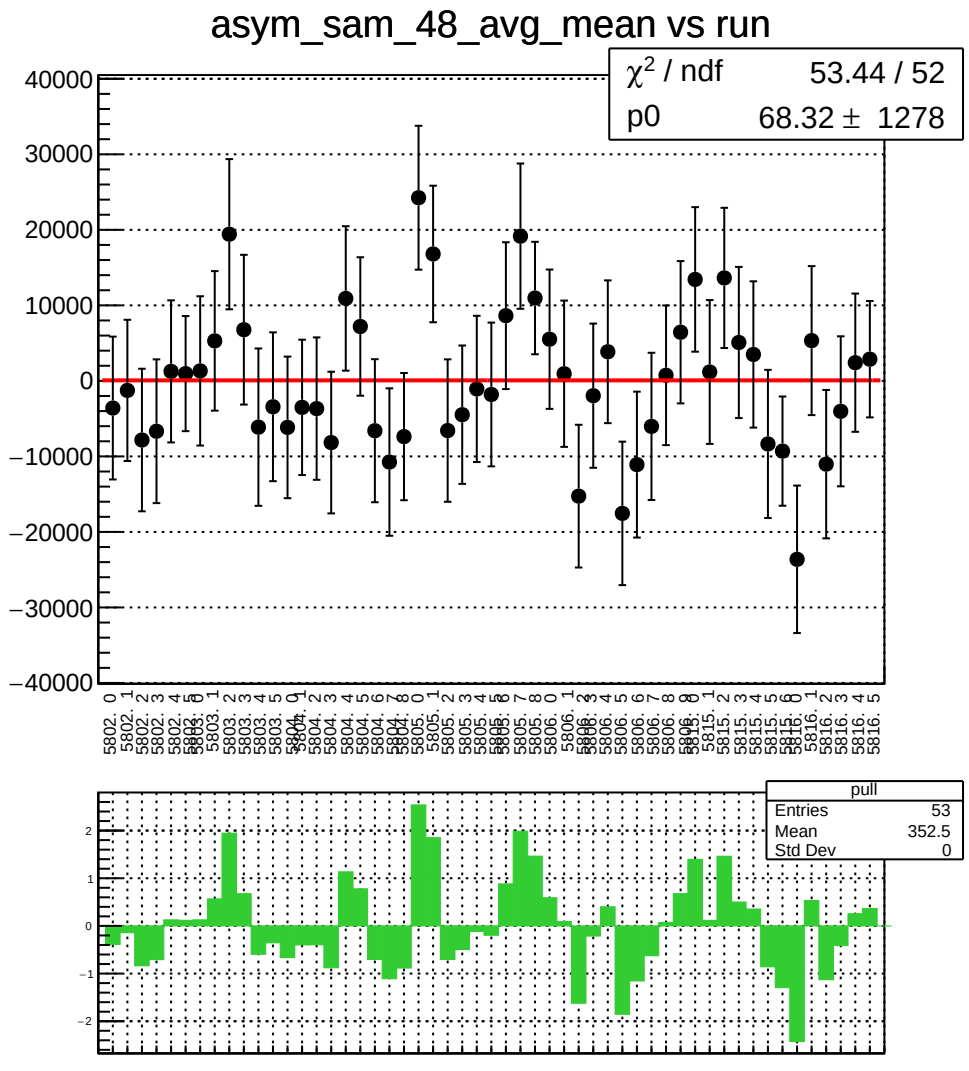

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 42.68 / 52
p0 31.48 ± 156.5
pull
Entries 53
Mean −62.45
Std Dev 0
pull1D
Entries 53
Mean −0.01186
Std Dev 0.8972

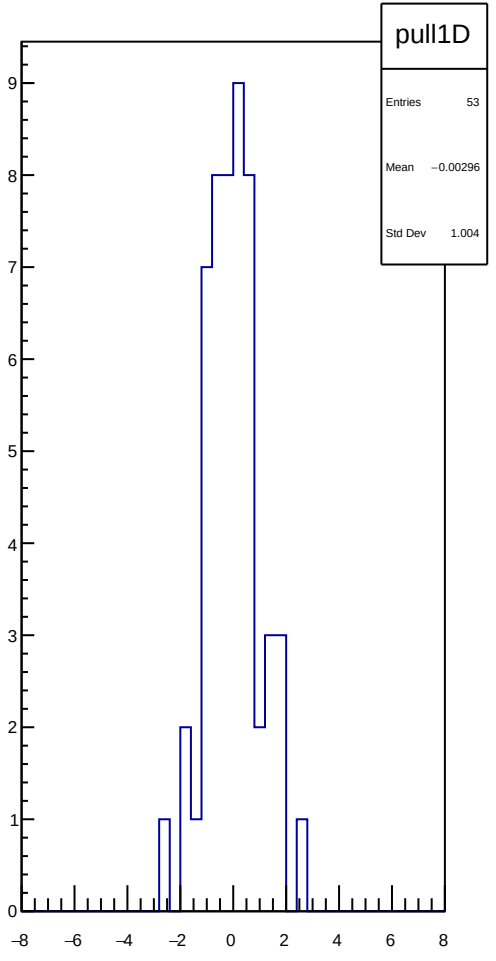

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1661 / 52
p0 110.7 ± 0.1107
130
125
120
115
110
105

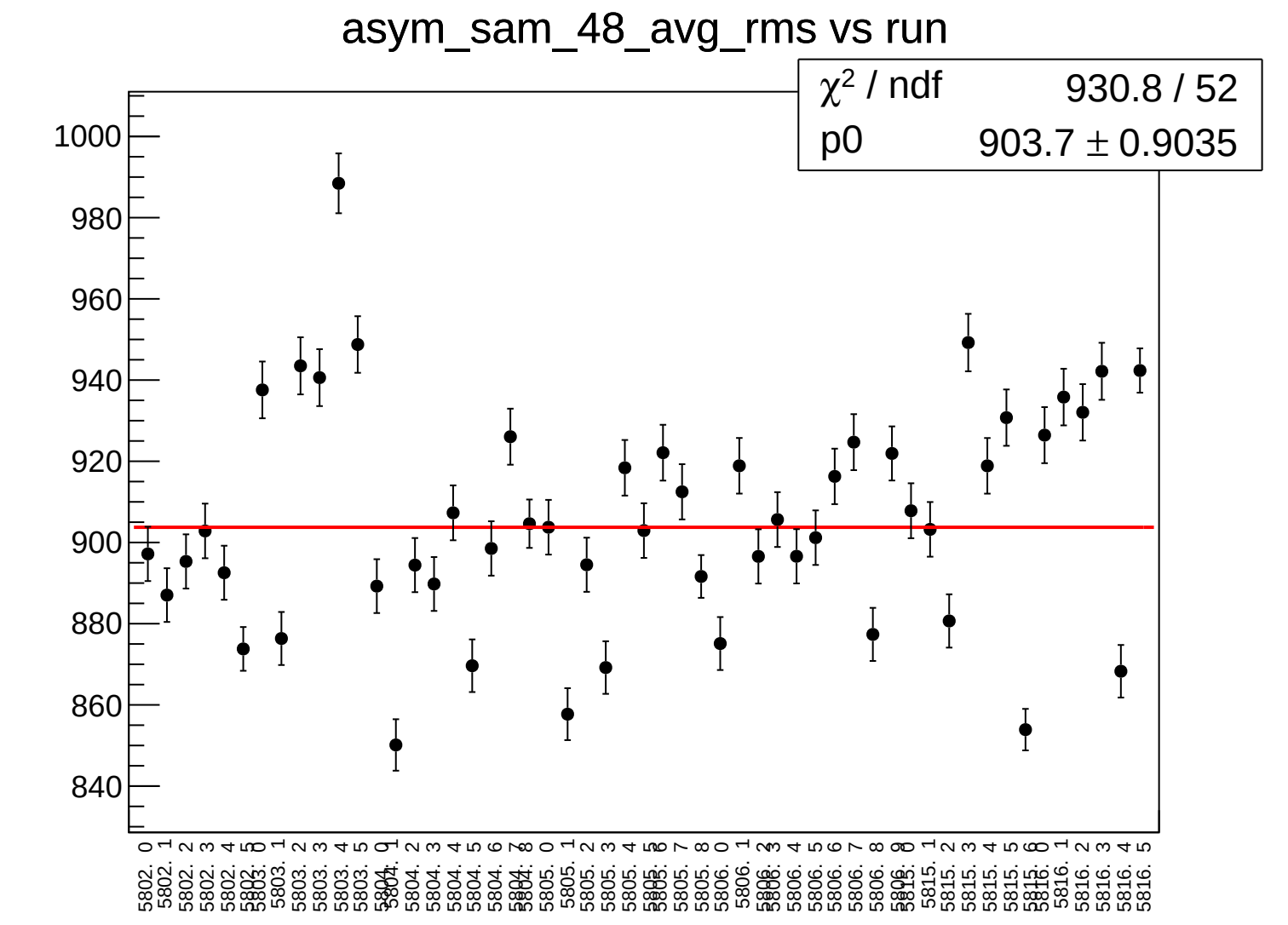

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 53.75 / 52
p0 −7.727 ± 1279
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −2.019e+04
Std Dev 0
2
1
0
−1
−2

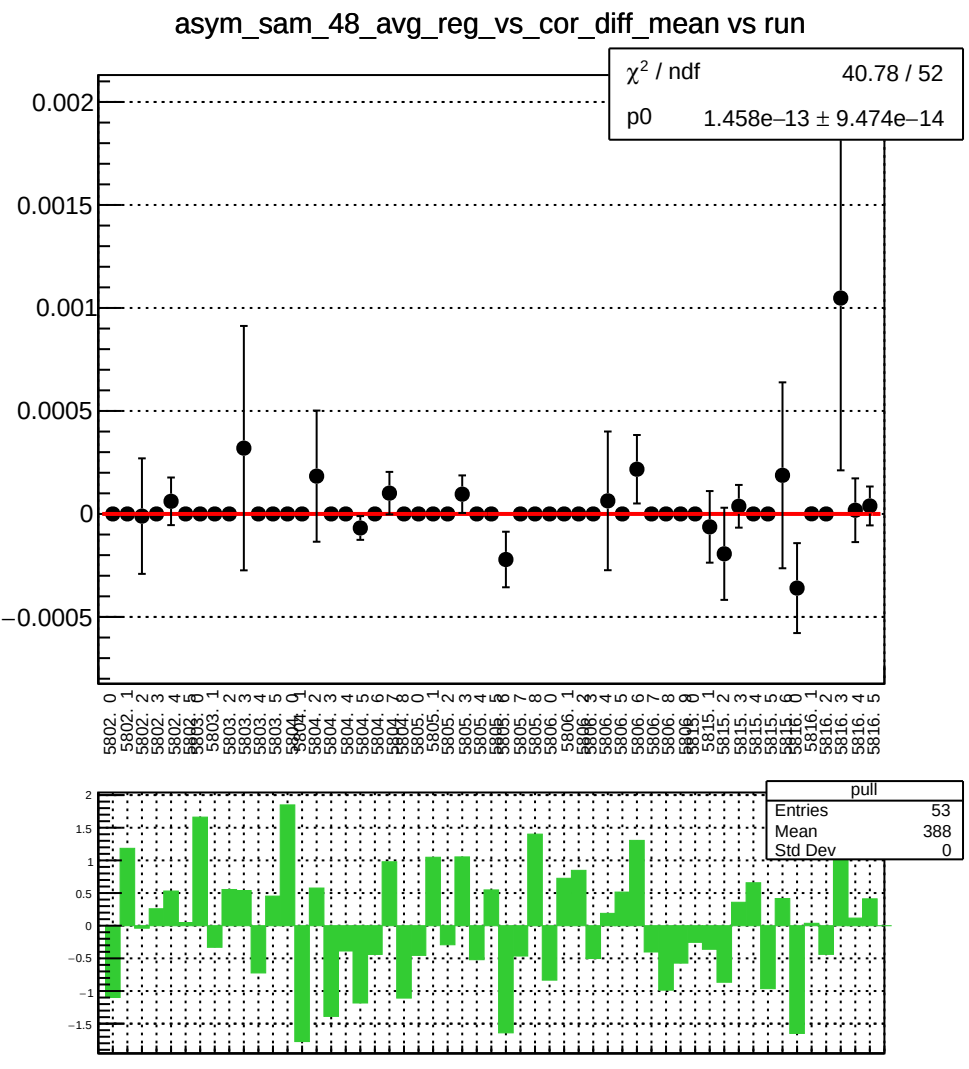

pull1D
Entries 53
Mean −5.354e−05
Std Dev 1.007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

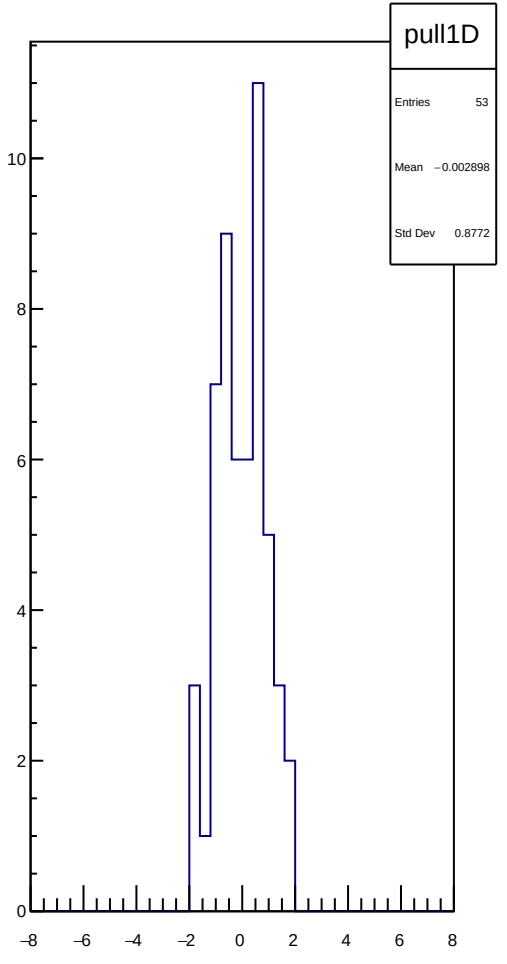

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1214 / 52
p0 904.8 ± 0.9047
1000
980
960
940
920
900
880
860
840
820

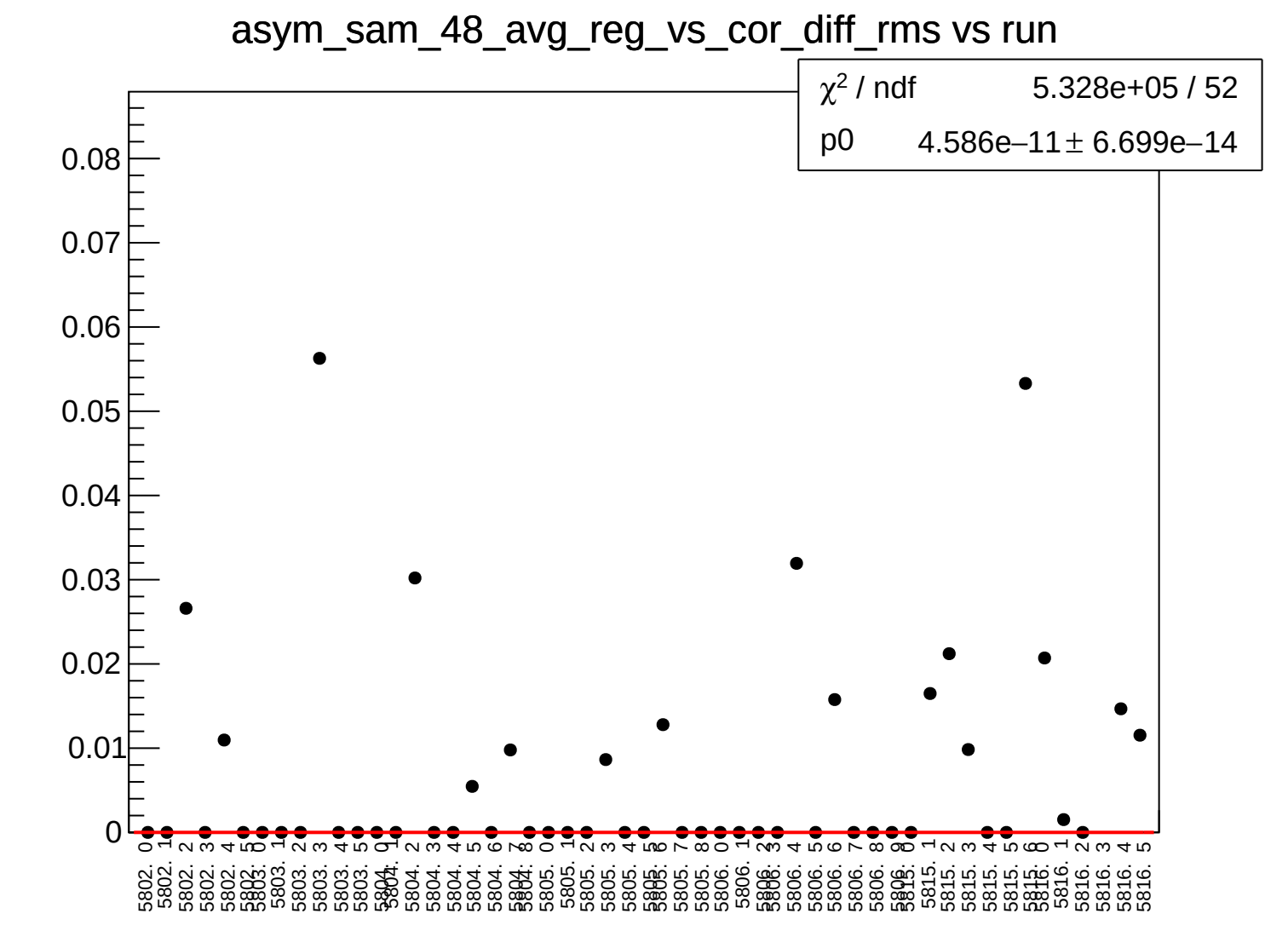

asym_sam_48_avg_mean vs run
χ² / ndf 53.44 / 52
p0 68.32 ± 1278
pull
Entries 53
Mean 352.5
Std Dev 0

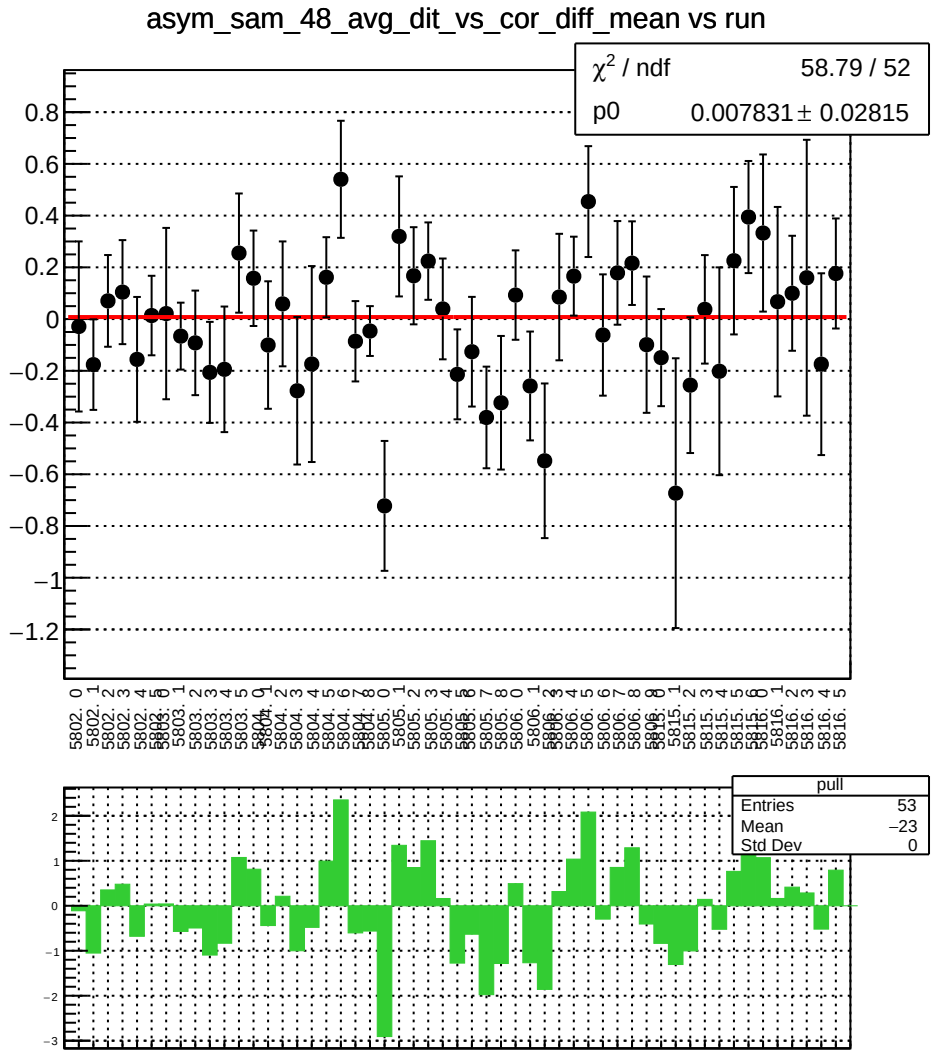

pull1D
Entries 53
Mean −0.00296
Std Dev 1.004

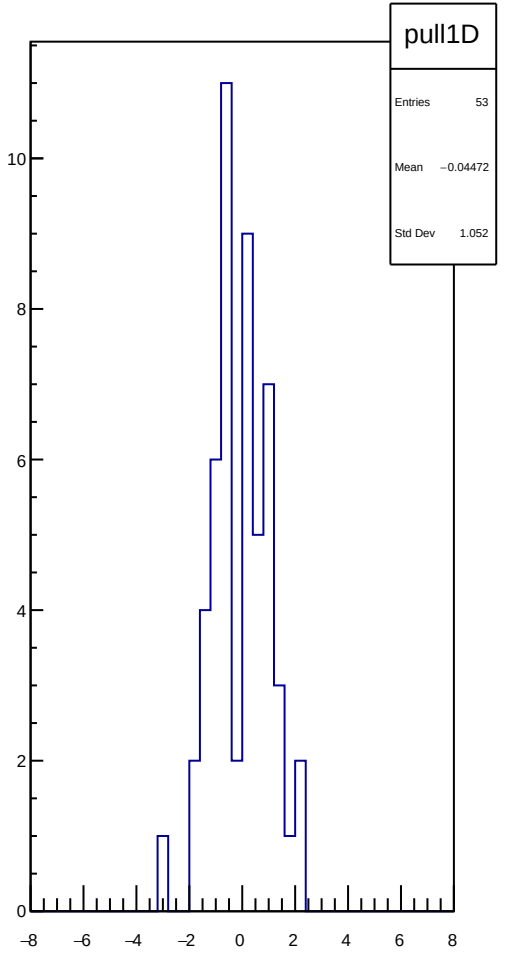

asym_sam_48_avg_rms vs run
χ^2 / ndf 930.8 / 52
p0 903.7 ± 0.9035
1000
980
960
940
920
900
880
860
840

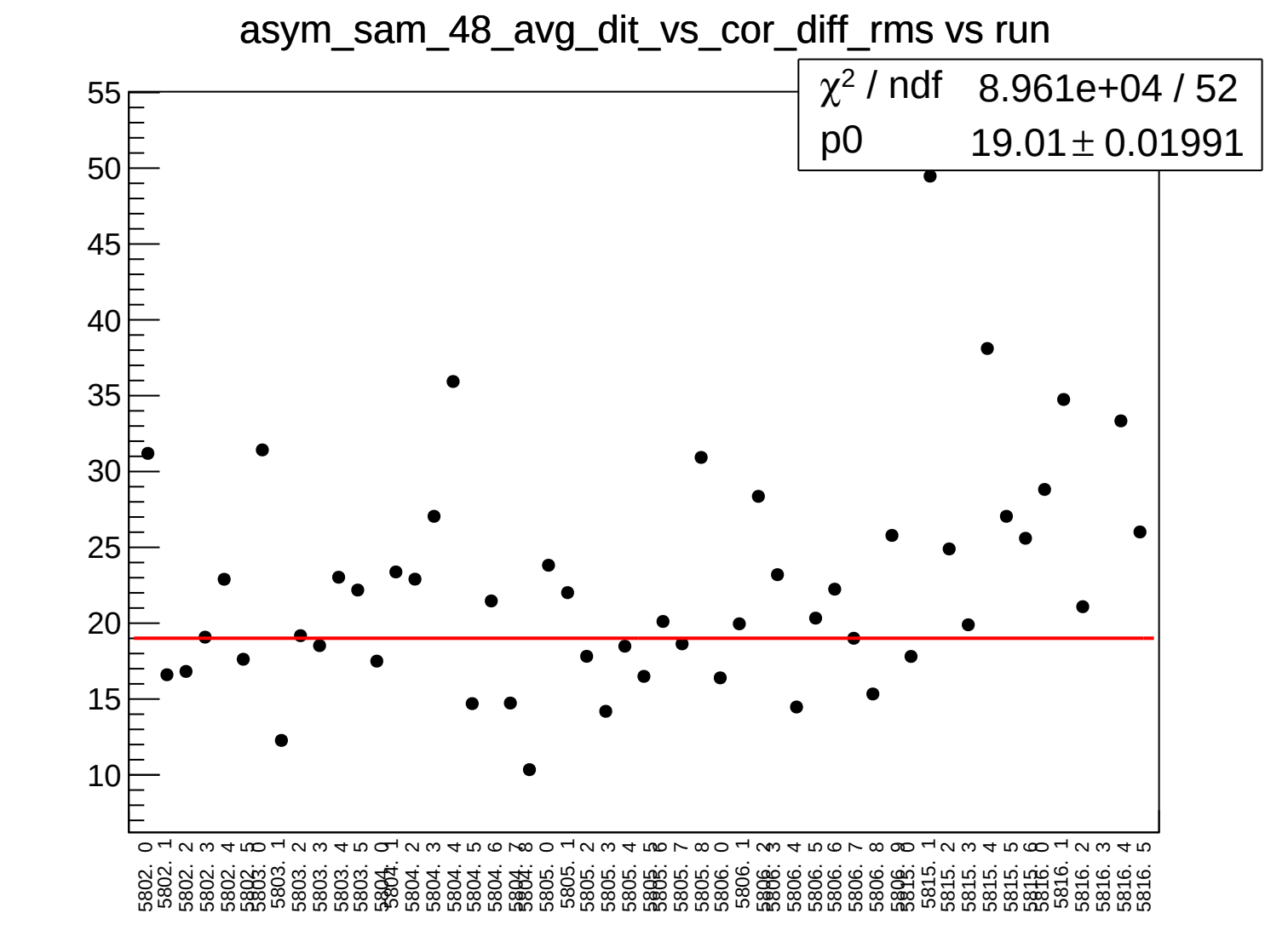

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.78 / 52
p0 1.458e−13 ± 9.474e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 53
Mean 388
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

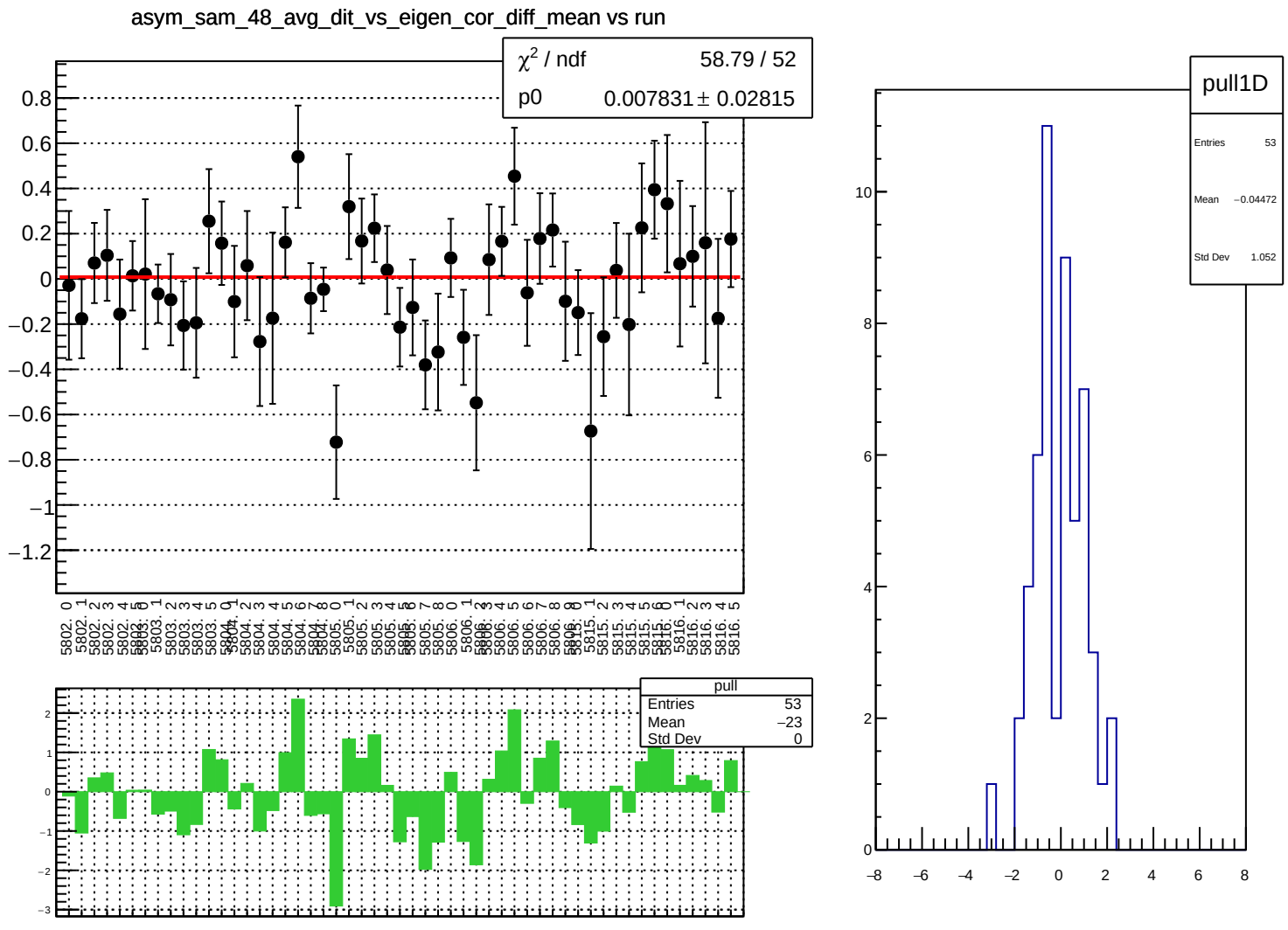

pull1D
Entries 53
Mean −0.002898
Std Dev 0.8772
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

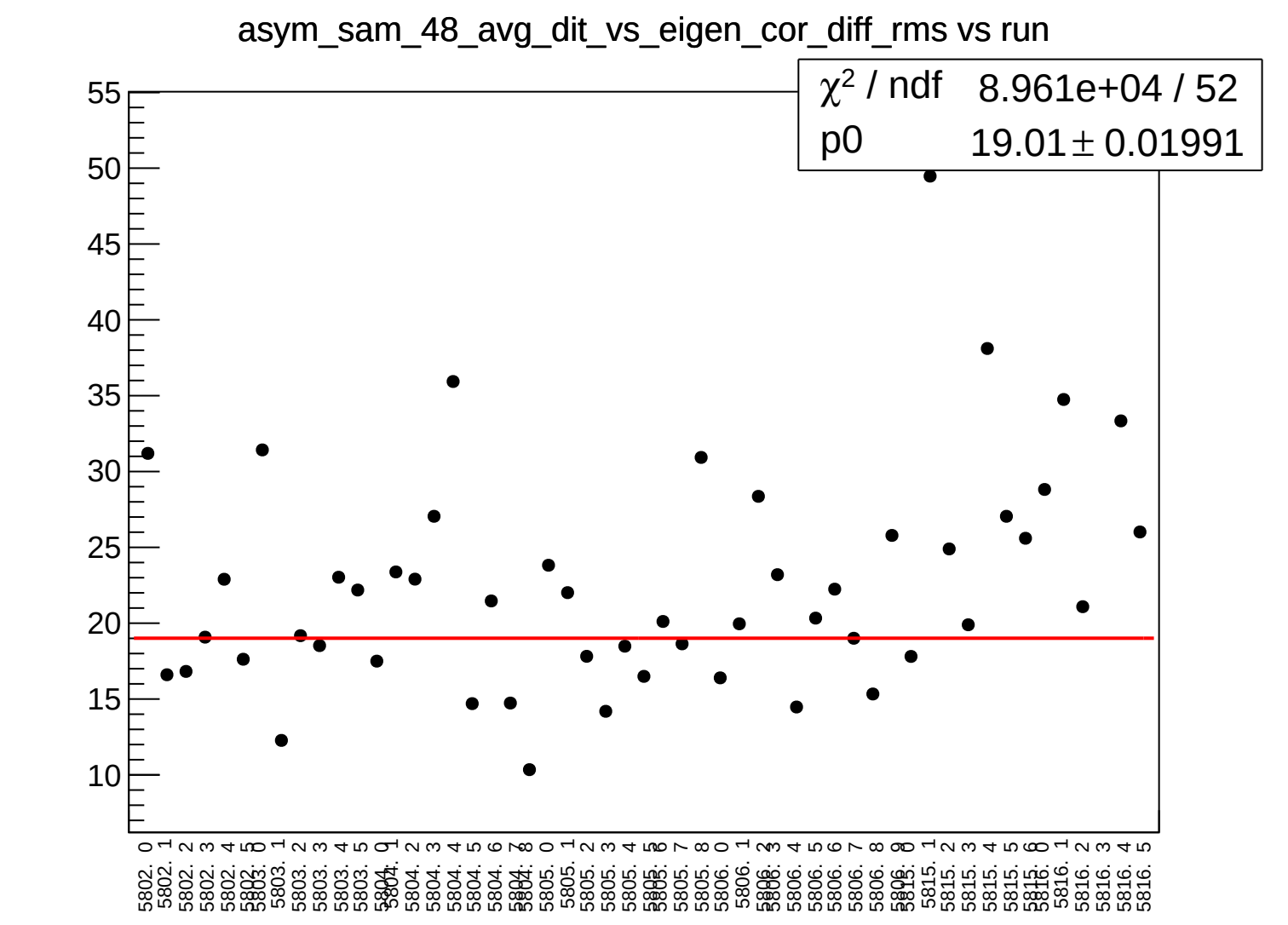

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.328e+05 / 52
p0 4.586e−11 ± 6.699e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

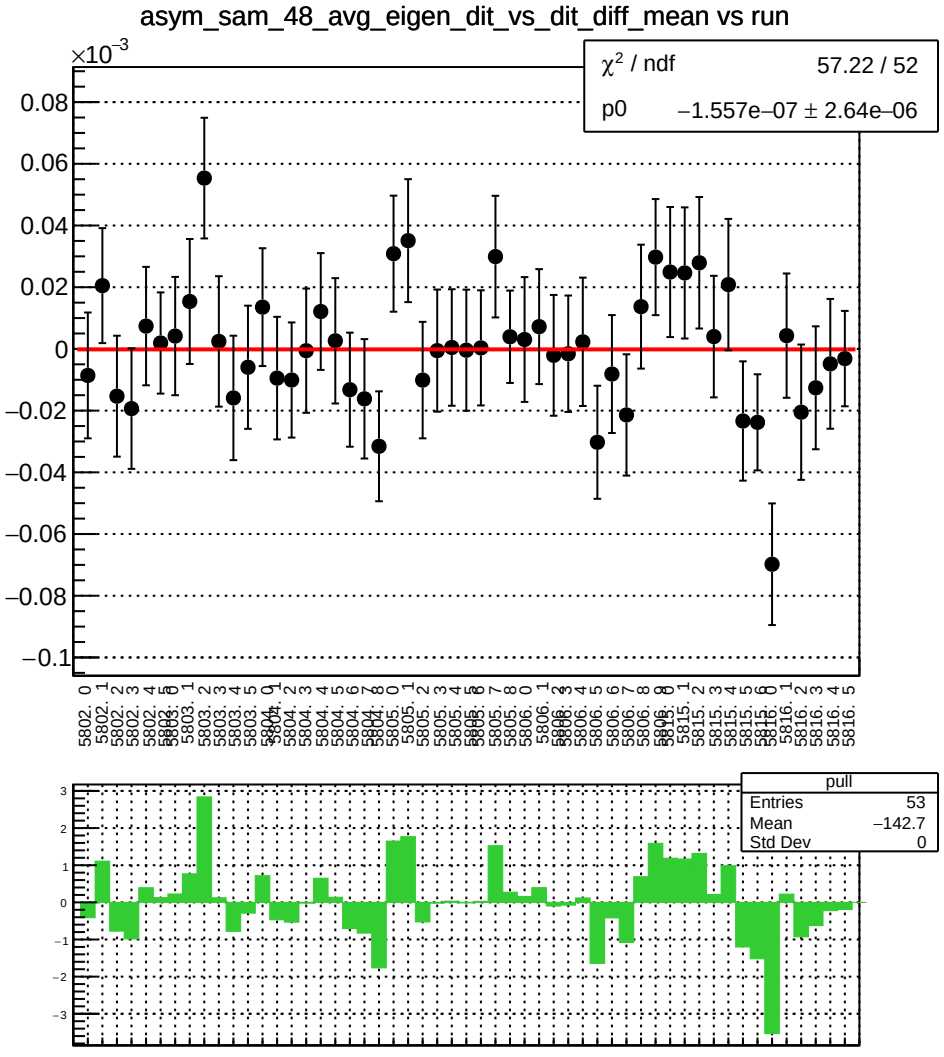

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.79 / 52
p0 0.007831 ± 0.02815
pull
Entries 53
Mean −23
Std Dev 0

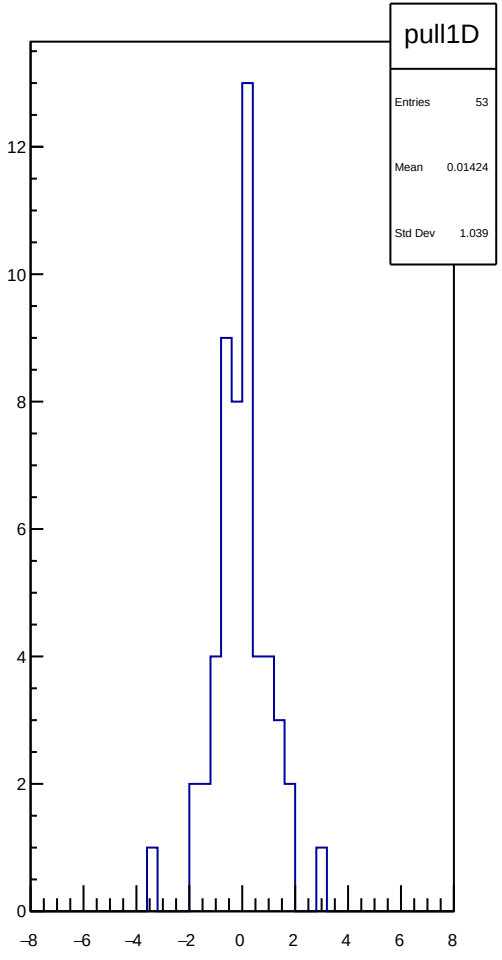

pull1D
Entries 53
Mean −0.04472
Std Dev 1.052

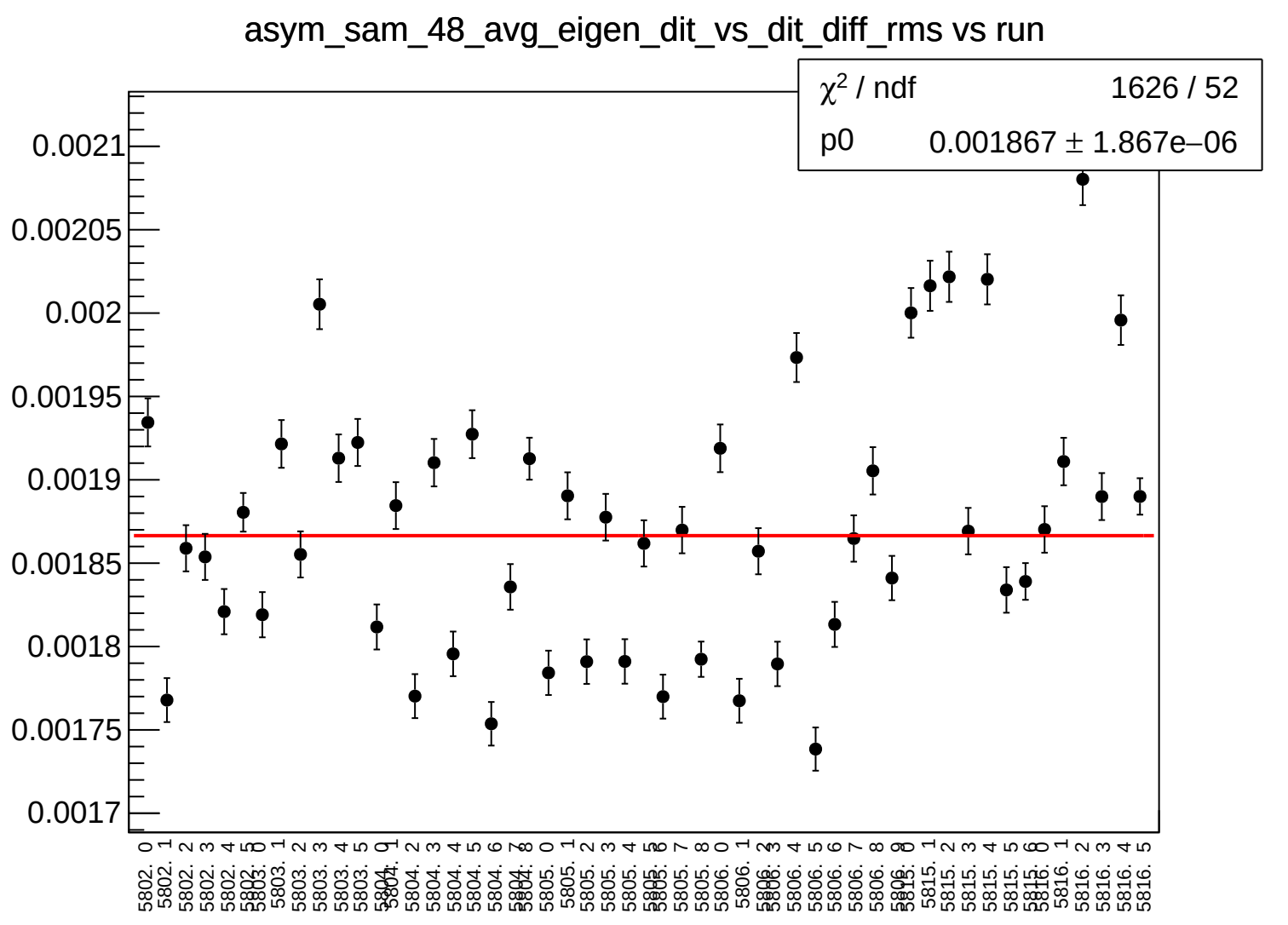

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.961e+04 / 52
p0 19.01 ± 0.01991
55
50
45
40
35
30
25
20
15
10

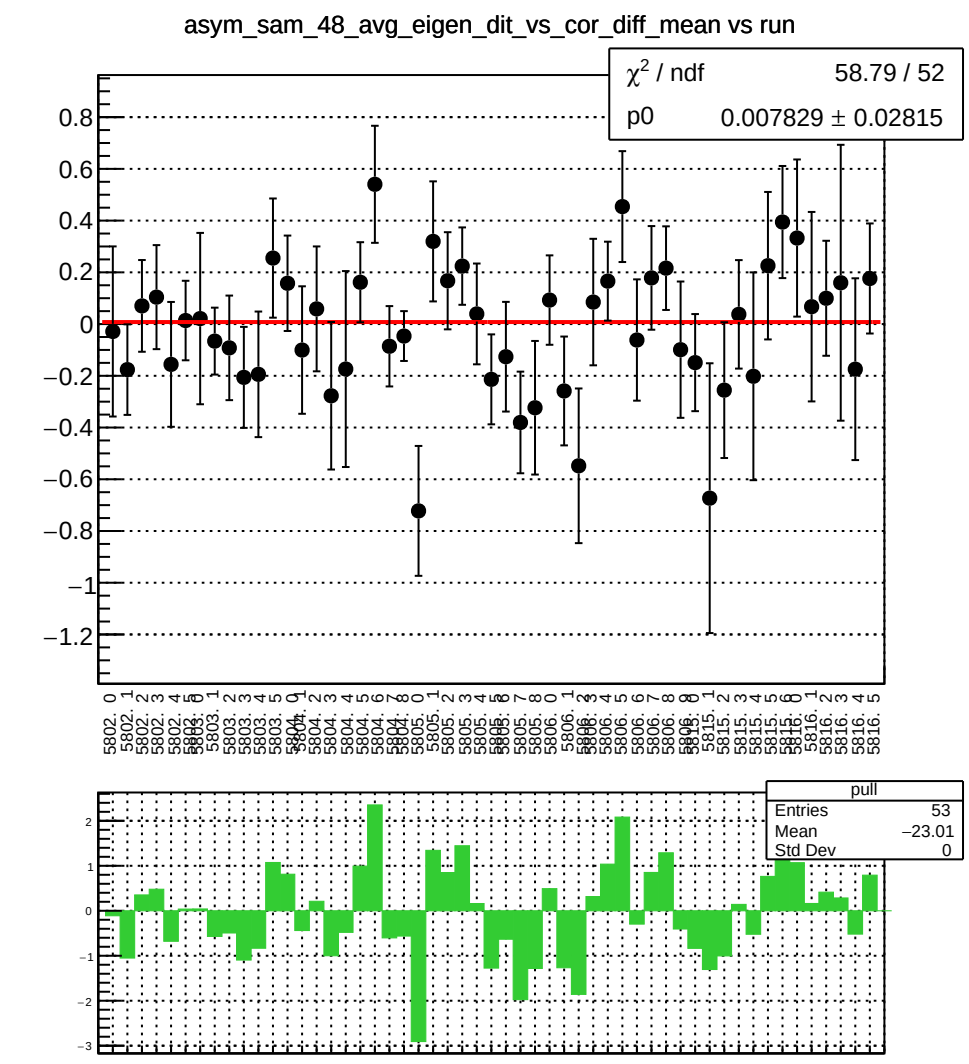

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.79 / 52
p0 0.007831 ± 0.02815
pull
Entries 53
Mean −23
Std Dev 0
pull1D
Entries 53
Mean −0.04472
Std Dev 1.052

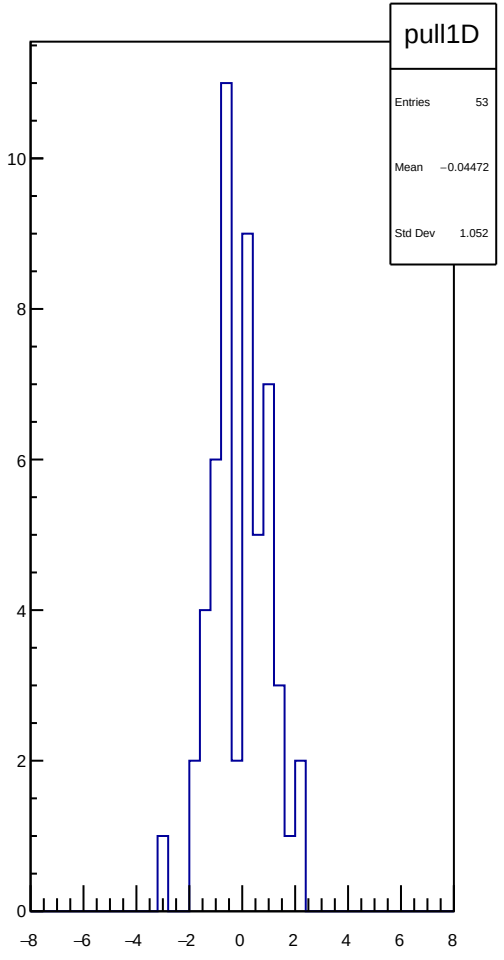

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.961e+04 / 52
p0 19.01 ± 0.01991
55
50
45
40
35
30
25
20
15
10

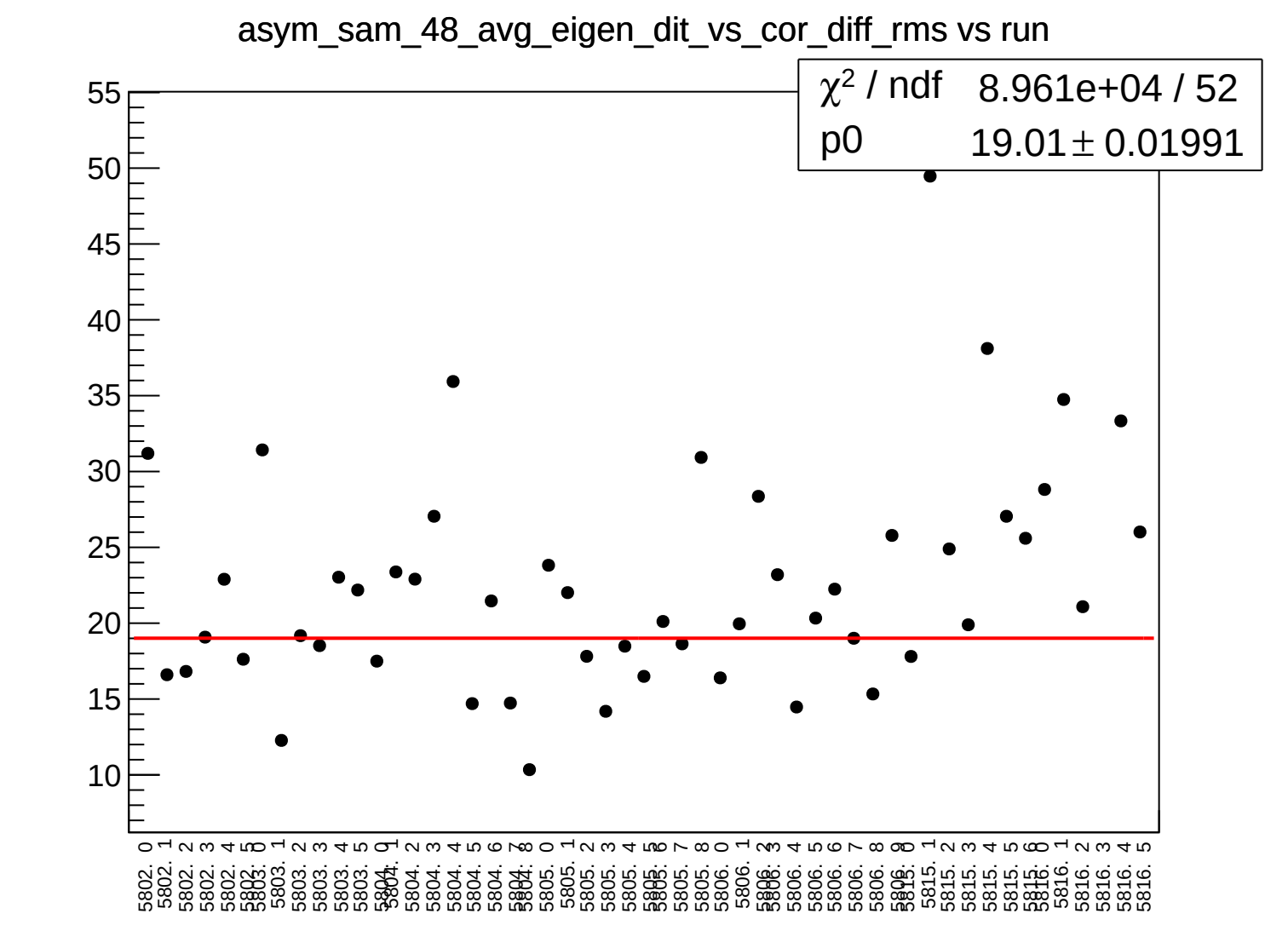

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.22 / 52
p0 −1.557e−07 ± 2.64e−06
pull
Entries 53
Mean −142.7
Std Dev 0

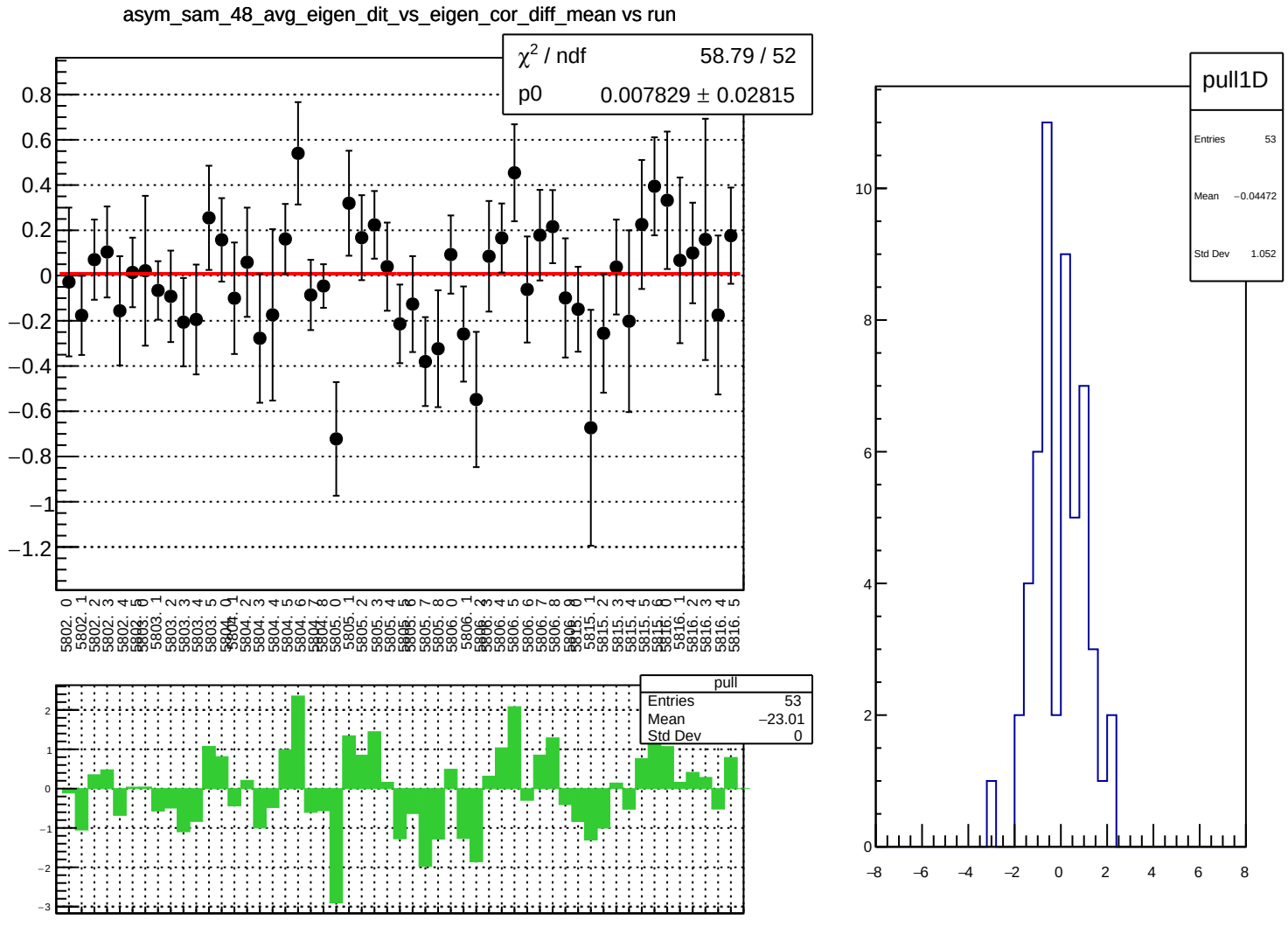

pull1D
Entries 53
Mean 0.01424
Std Dev 1.039

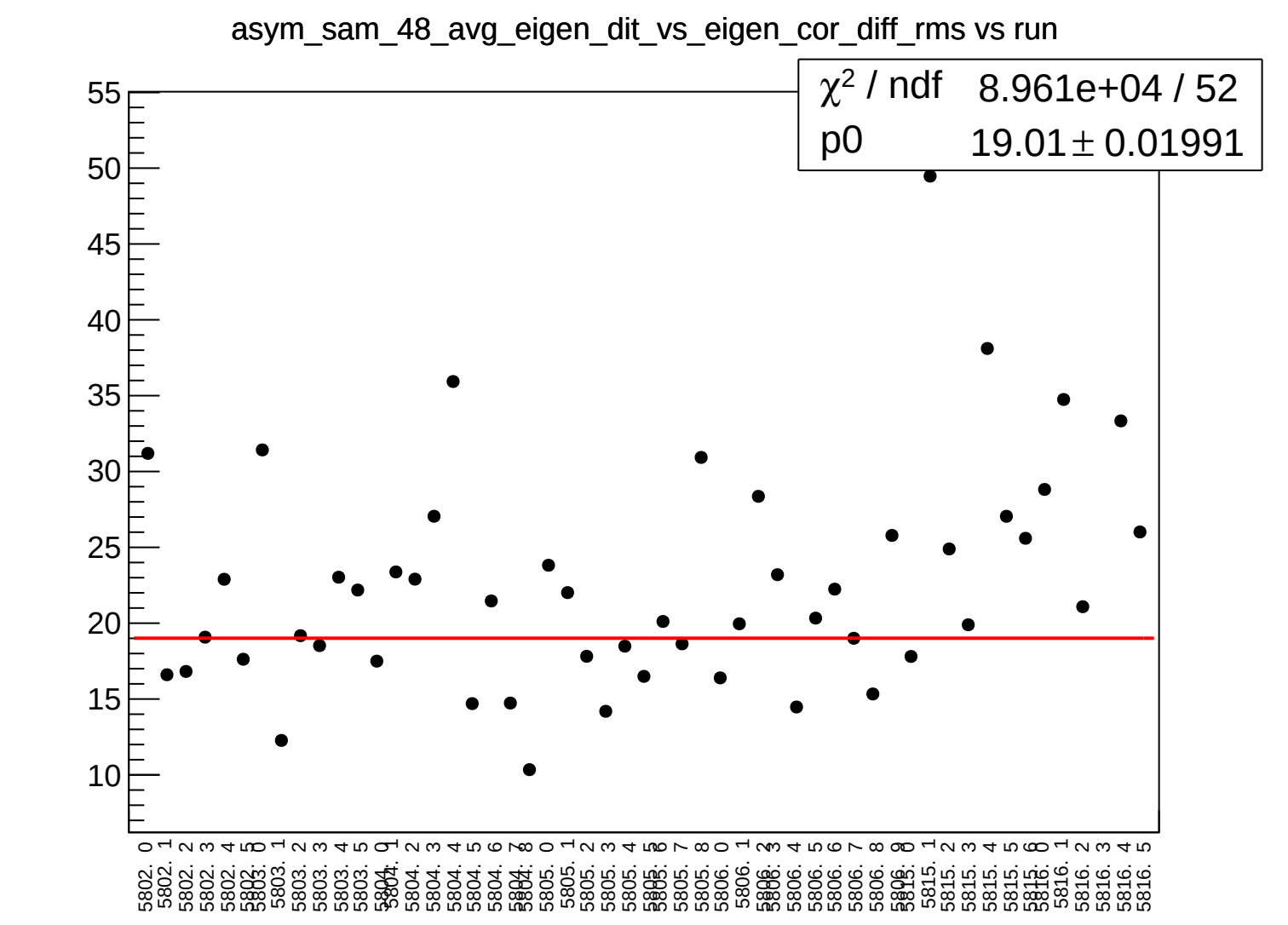

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1626 / 52
p0 0.001867 ± 1.867e−06
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017

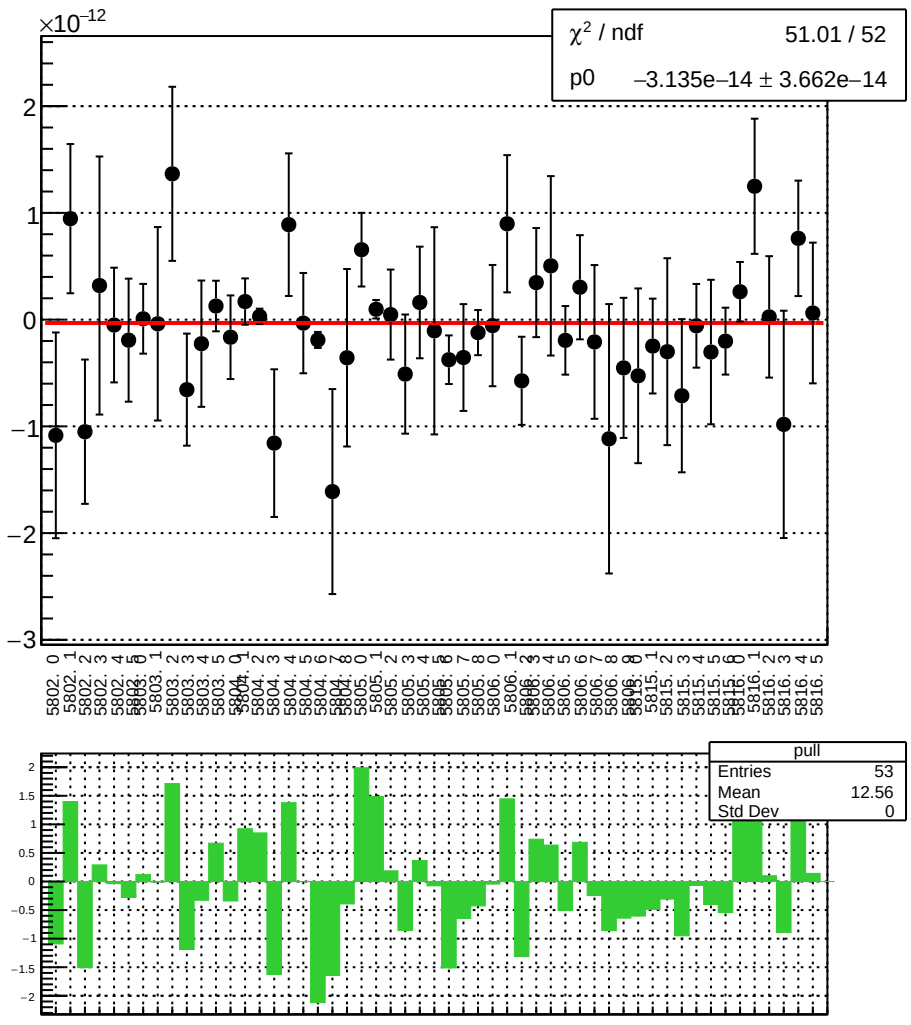

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.79 / 52
p0 0.007829 ± 0.02815
pull
Entries 53
Mean −23.01
Std Dev 0

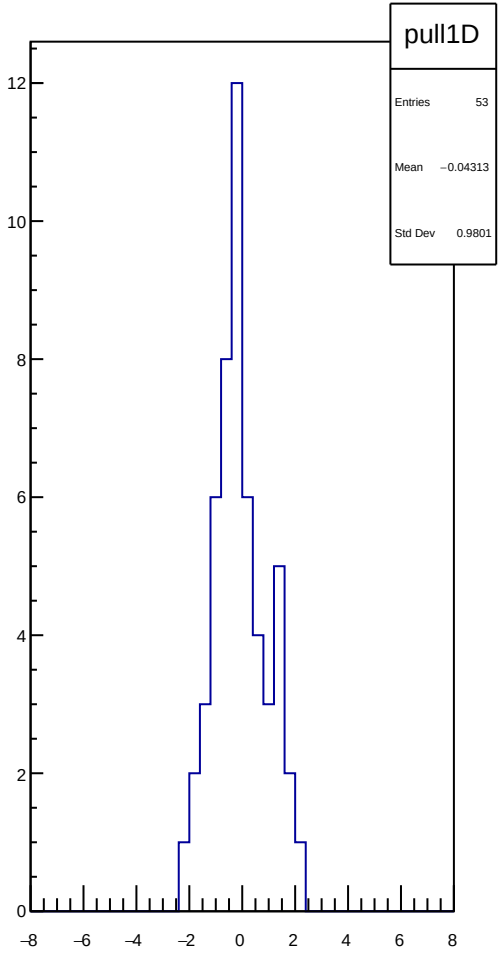

pull1D
Entries 53
Mean −0.04472
Std Dev 1.052

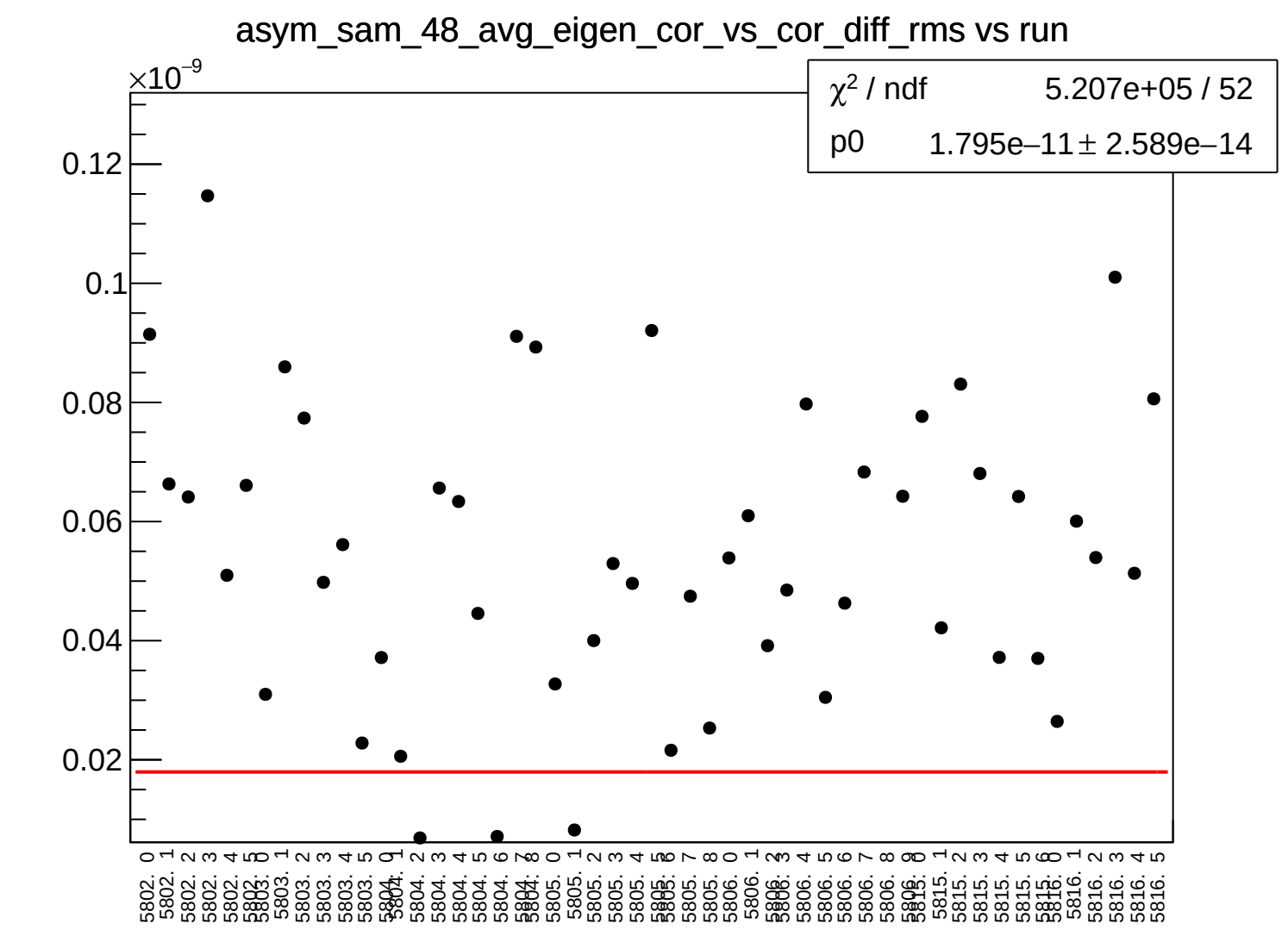

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.961e+04 / 52
p0 19.01 ± 0.01991
55
50
45
40
35
30
25
20
15
10

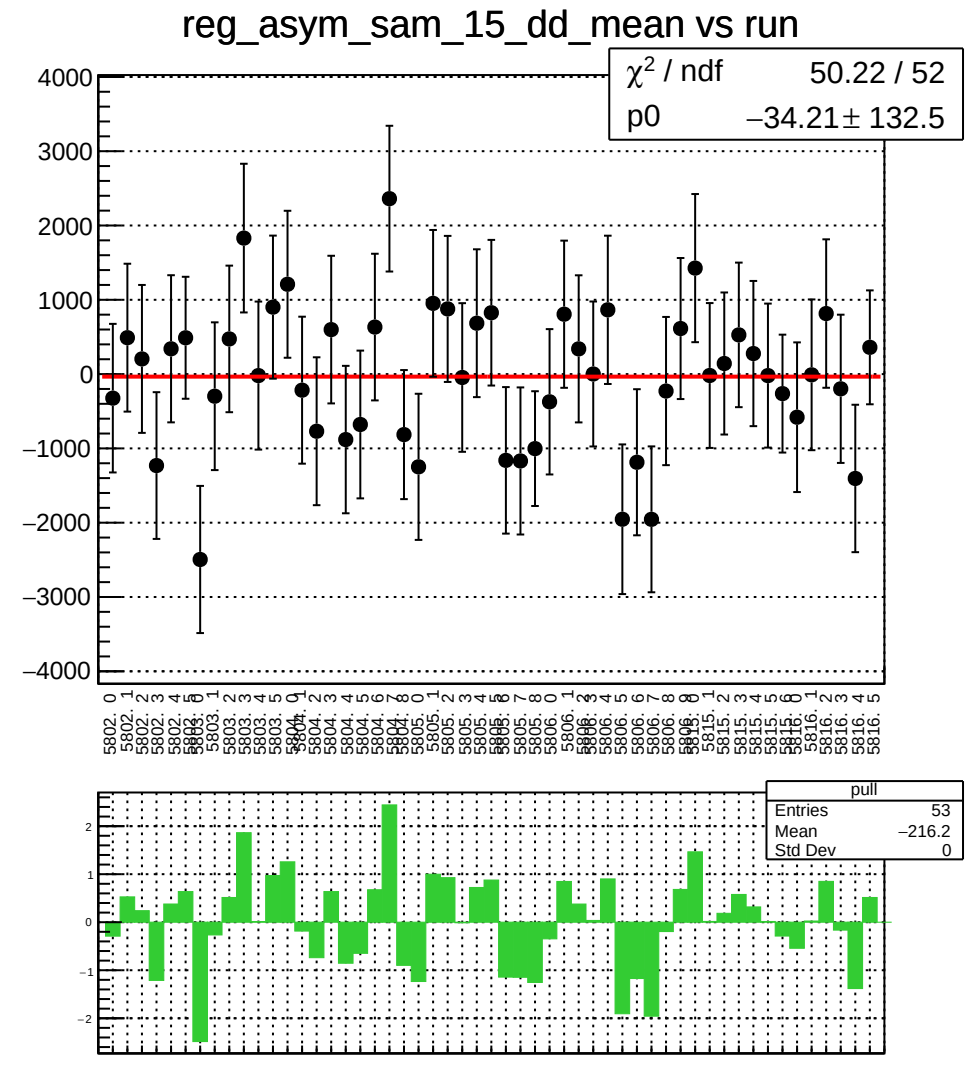

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.79 / 52
p0 0.007829 ± 0.02815
pull
Entries 53
Mean −23.01
Std Dev 0
pull1D
Entries 53
Mean −0.04472
Std Dev 1.052

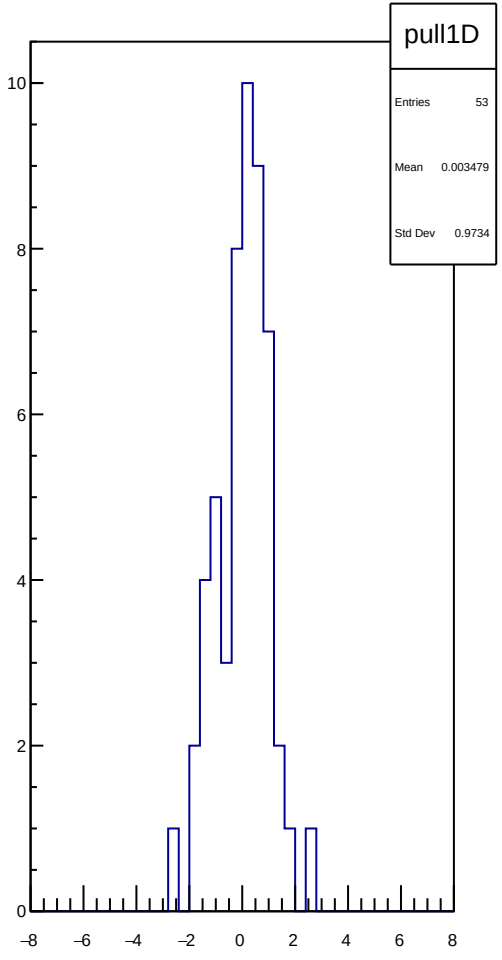

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.961e+04 / 52
p0 19.01 ± 0.01991
55
50
45
40
35
30
25
20
15
10

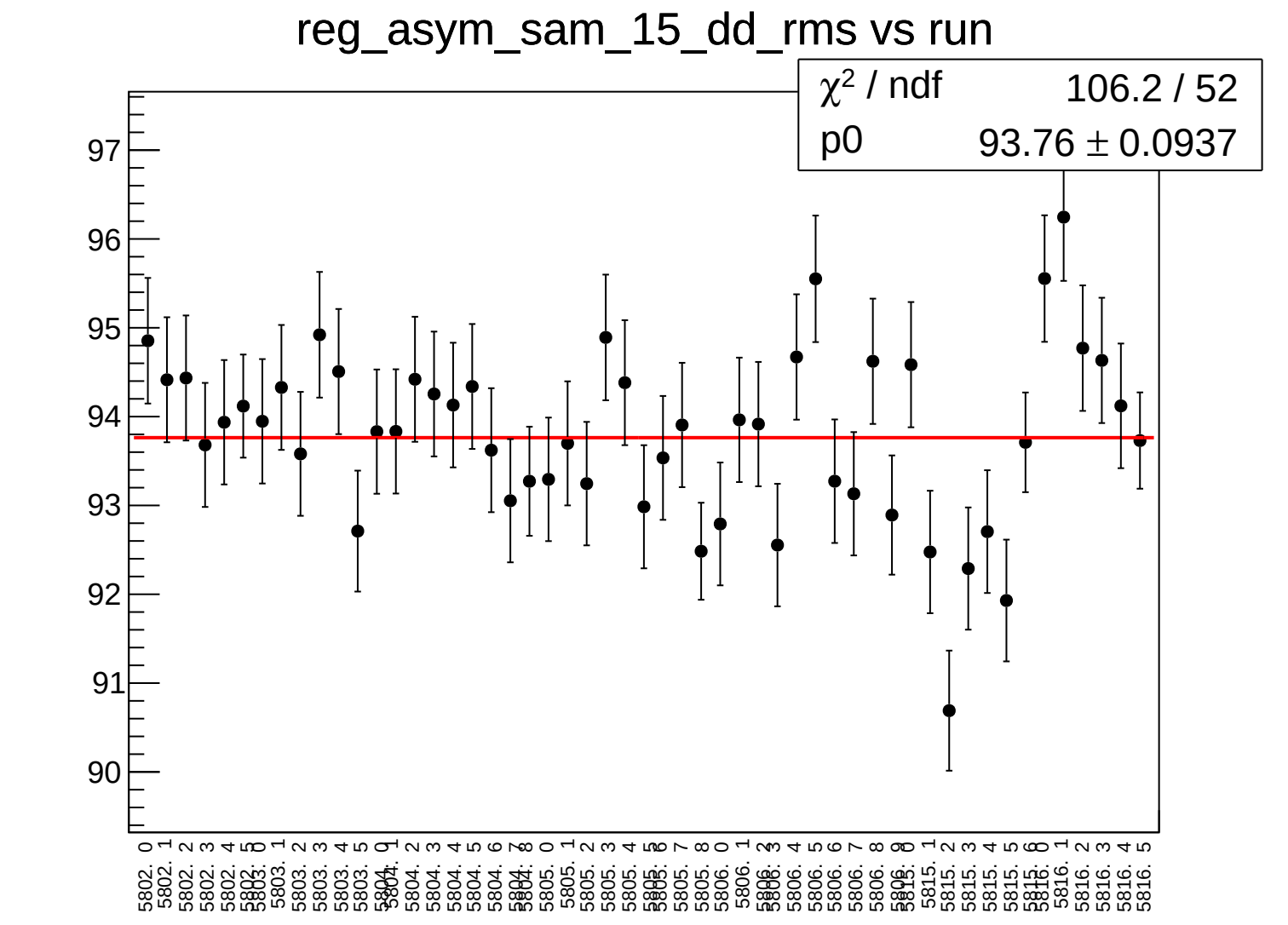

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.01 / 52
p0 −3.135e−14 ± 3.662e−14
pull
Entries 53
Mean 12.56
Std Dev 0

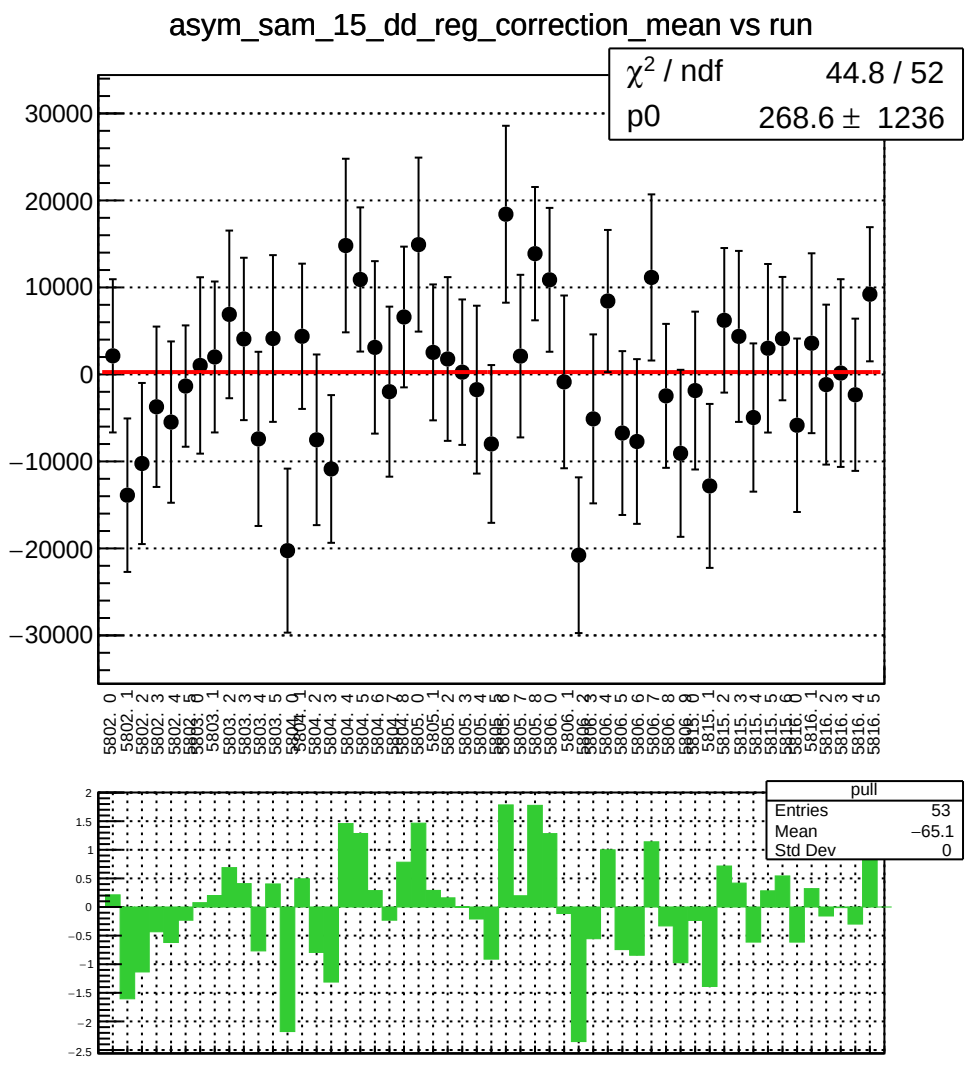

pull1D
Entries 53
Mean −0.04313
Std Dev 0.9801

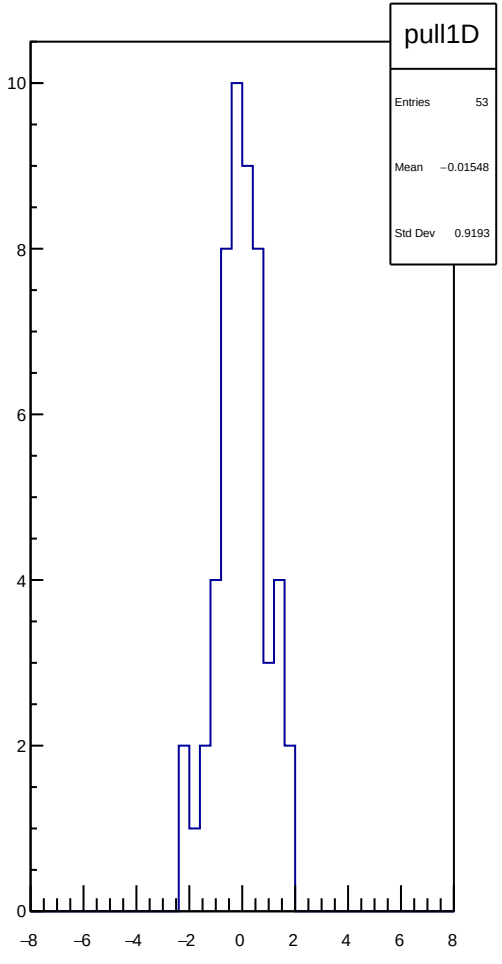

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.207e+05 / 52
p0 1.795e−11 ± 2.589e−14
0.12
0.1
0.08
0.06
0.04
0.02

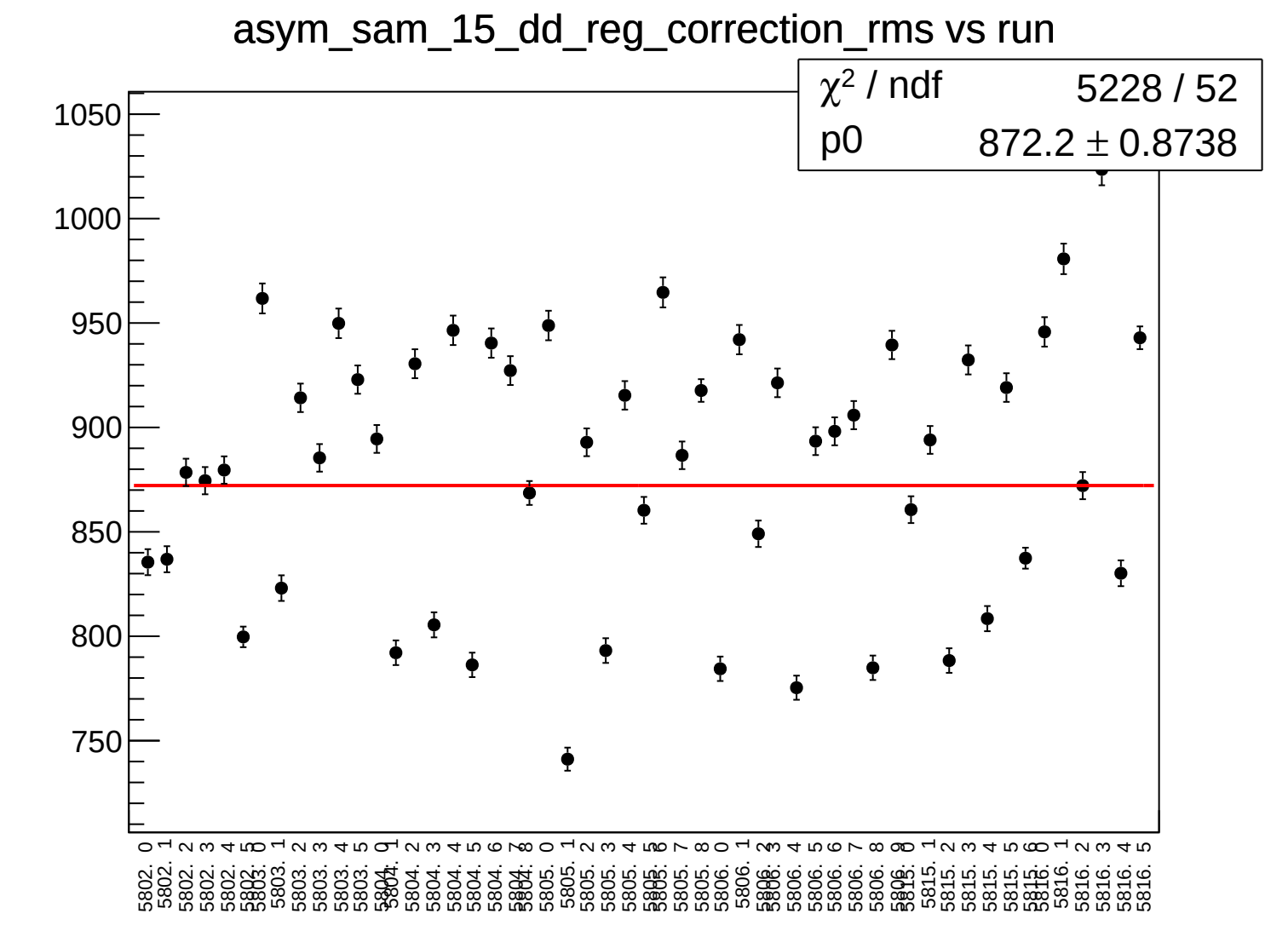

reg_asym_sam_15_dd_mean vs run
χ² / ndf 50.22 / 52
p0 −34.21± 132.5
pull
Entries 53
Mean −216.2
Std Dev 0

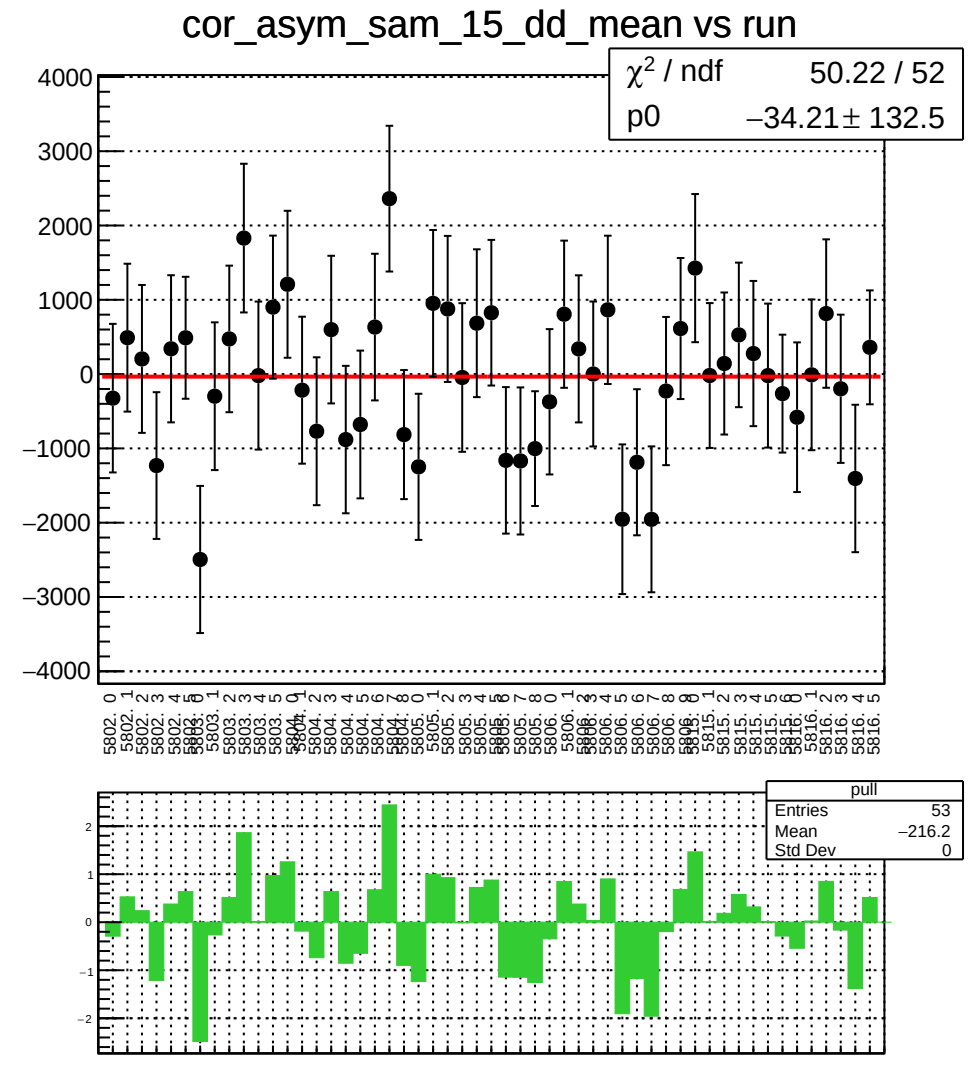

pull1D
Entries 53
Mean 0.003479
Std Dev 0.9734

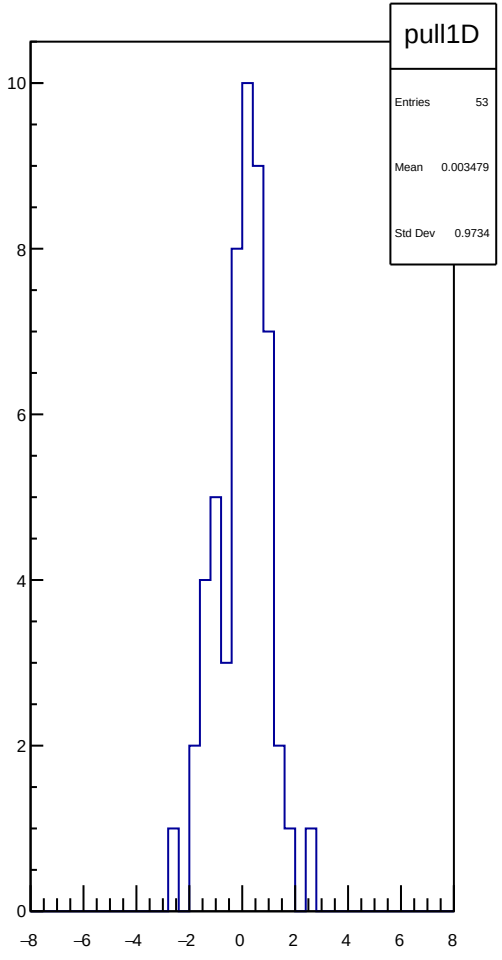

reg_asym_sam_15_dd_rms vs run
χ² / ndf 106.2 / 52
p0 93.76 ± 0.0937
97
96
95
94
93
92
91
90

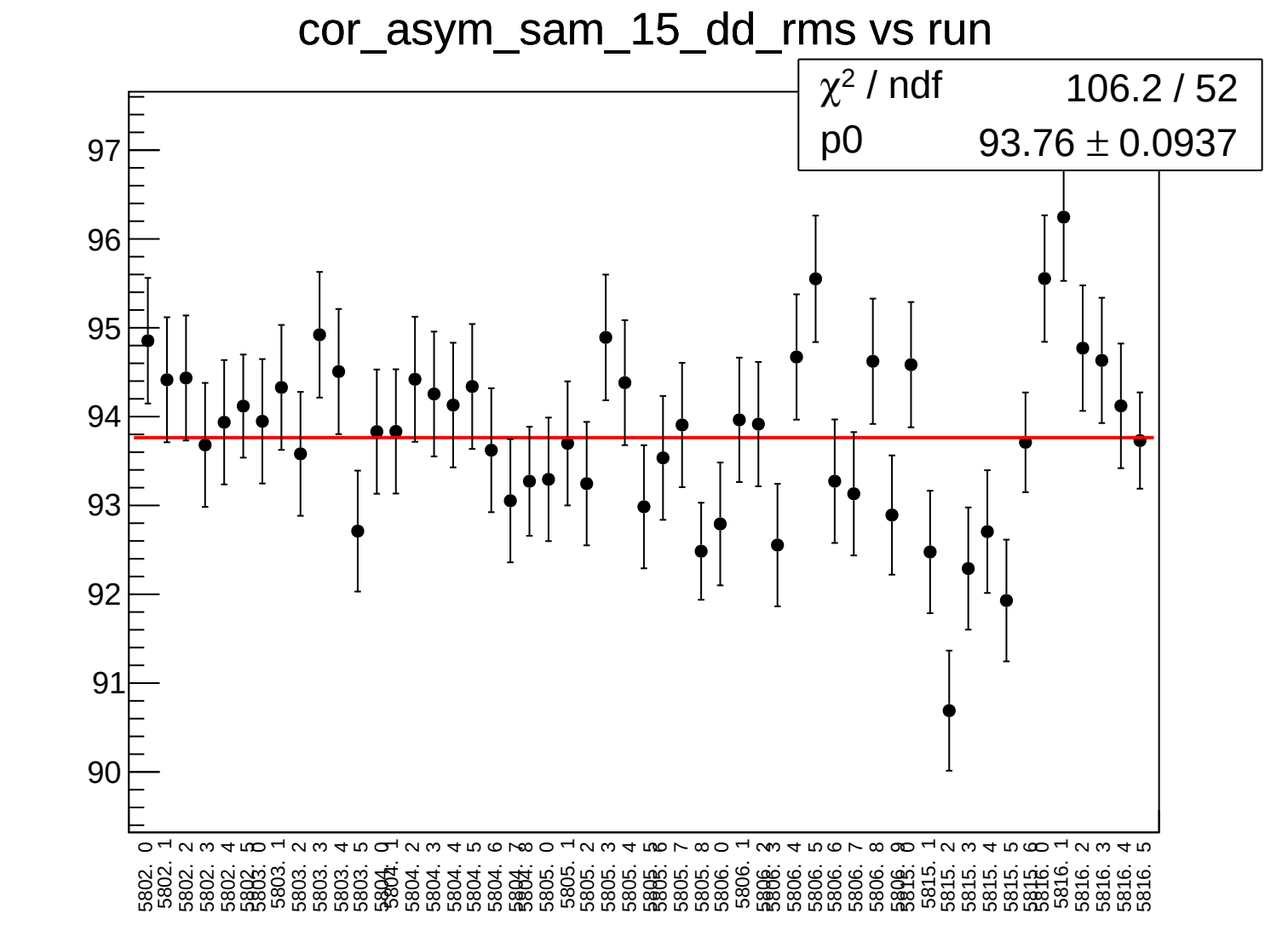

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 44.8 / 52
p0 268.6 ± 1236
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −65.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

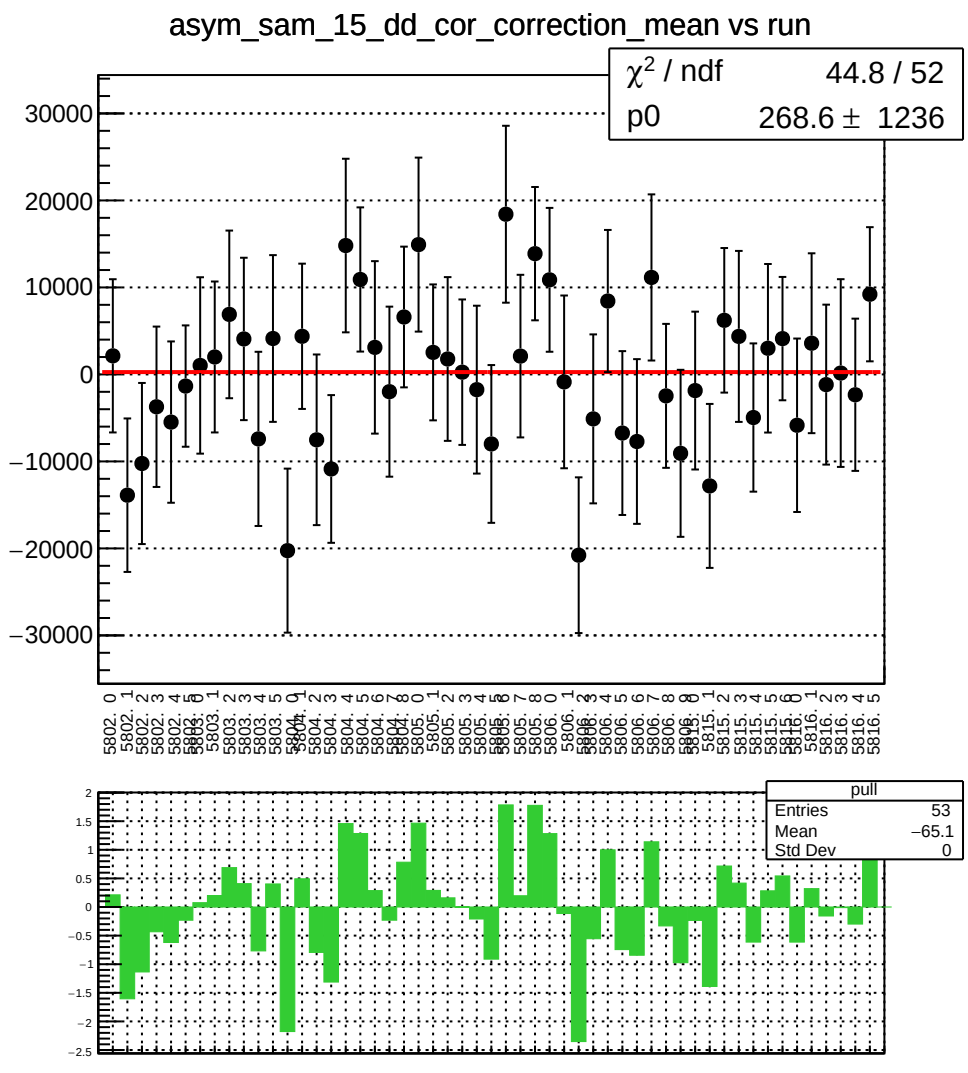

pull1D
Entries 53
Mean −0.01548
Std Dev 0.9193
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

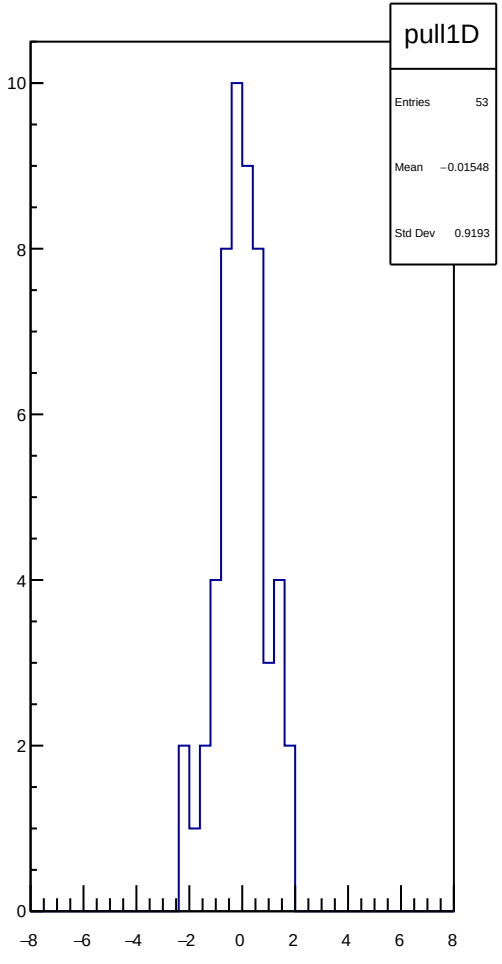

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 5228 / 52
p0 872.2 ± 0.8738
1050
1000
950
900
850
800
750

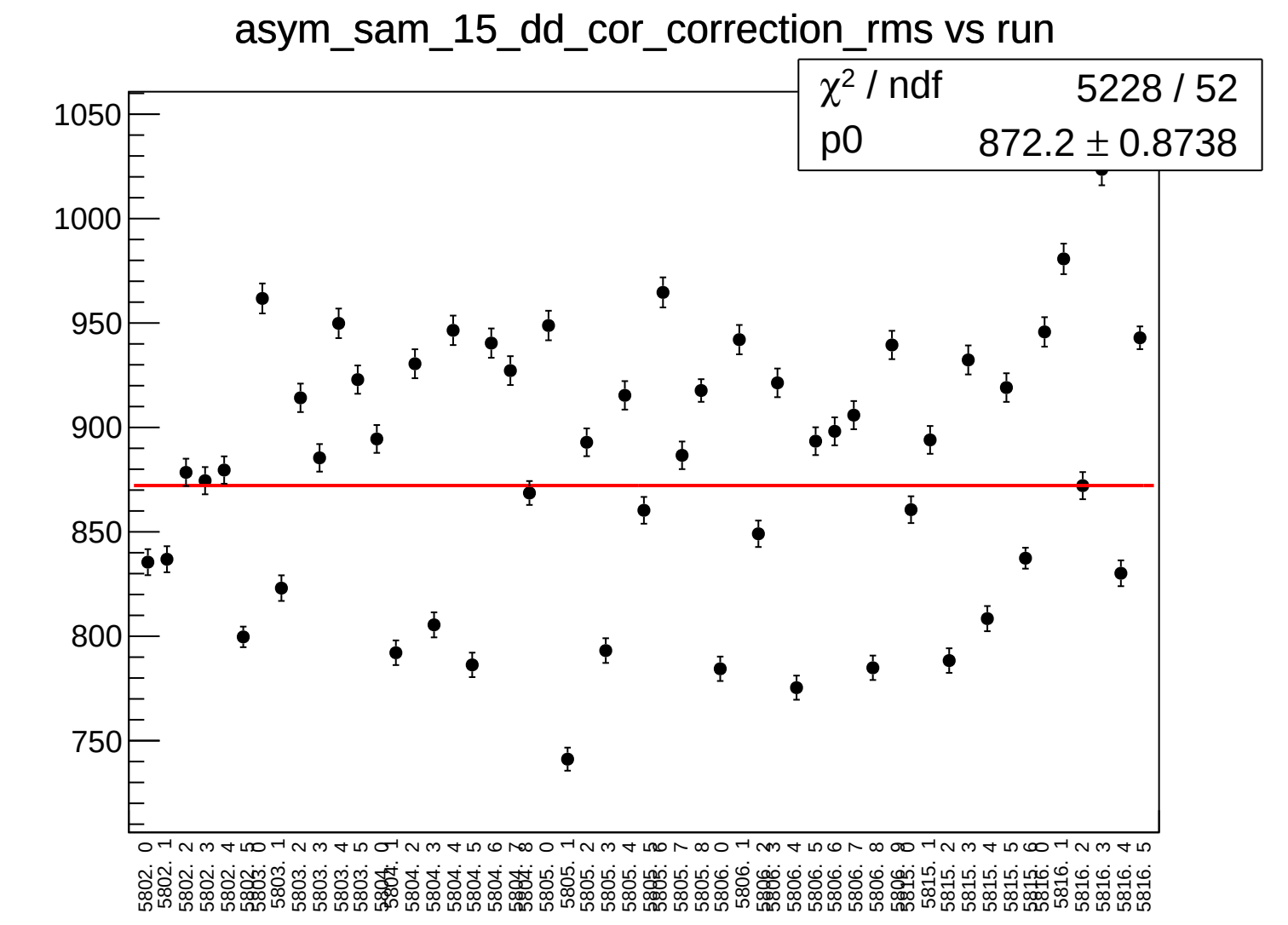

cor_asym_sam_15_dd_mean vs run
χ² / ndf 50.22 / 52
p0 −34.21± 132.5
pull
Entries 53
Mean −216.2
Std Dev 0

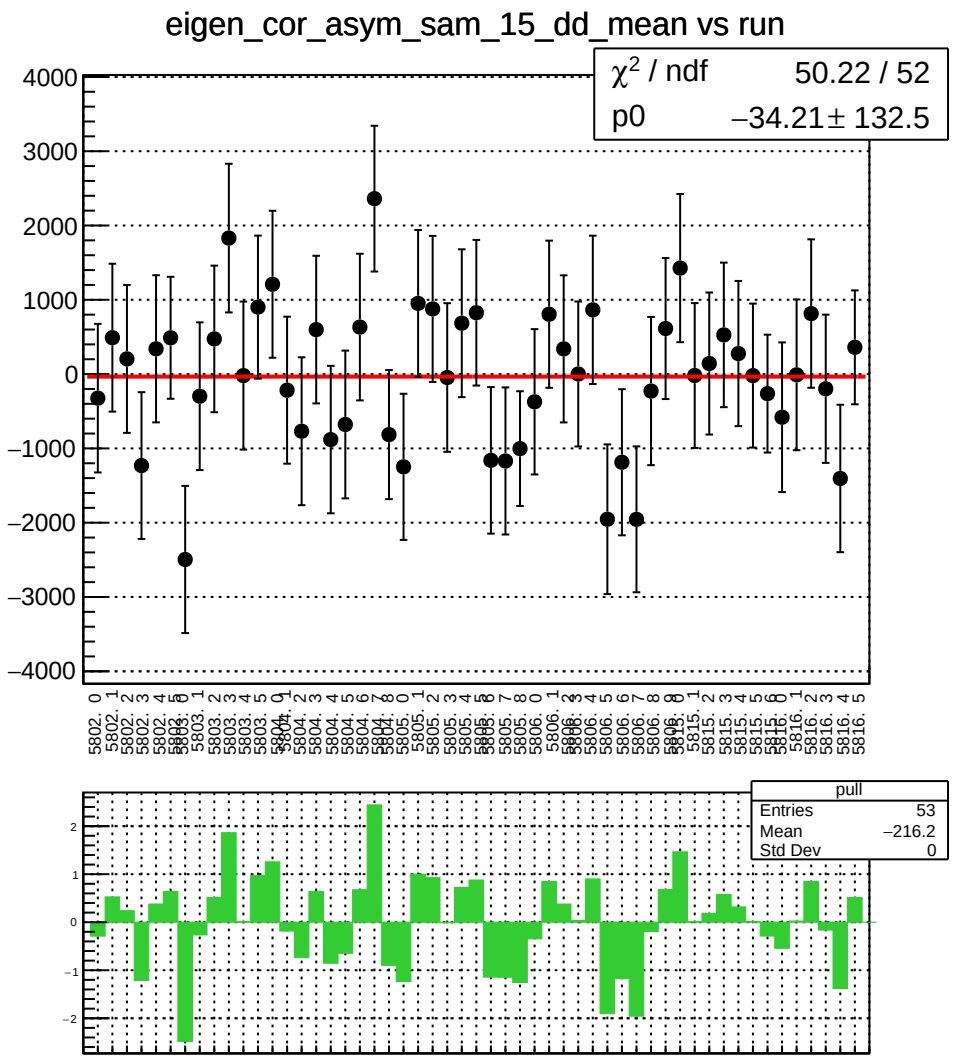

pull1D
Entries 53
Mean 0.003479
Std Dev 0.9734

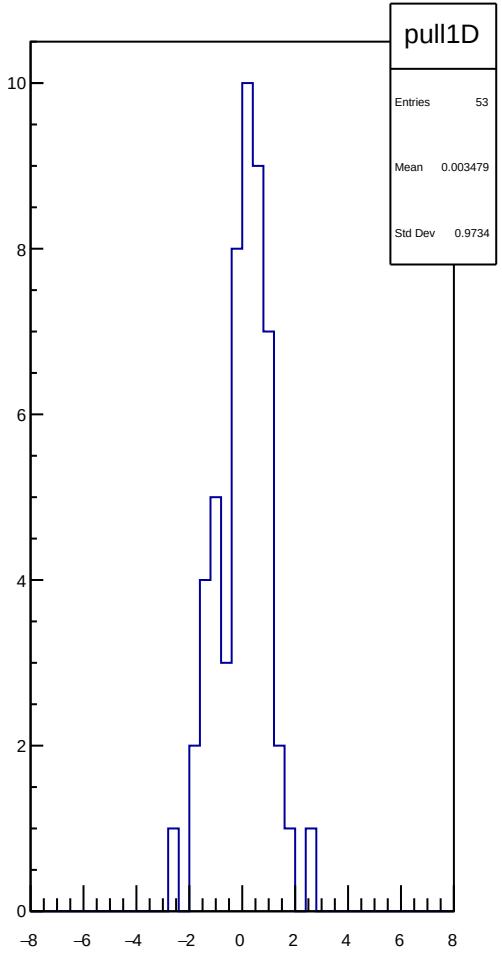

cor_asym_sam_15_dd_rms vs run
χ² / ndf 106.2 / 52
p0 93.76 ± 0.0937
97
96
95
94
93
92
91
90

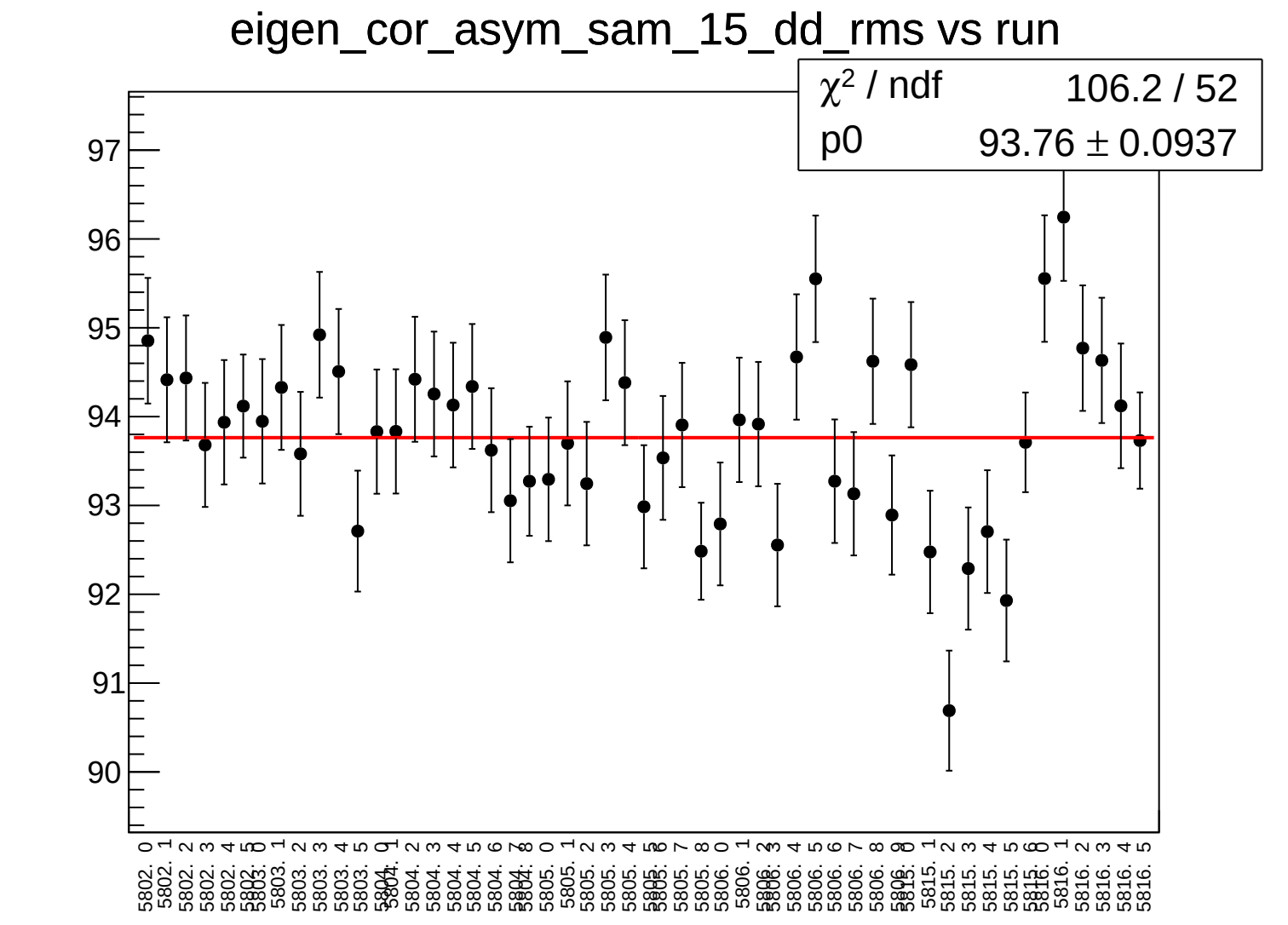

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 44.8 / 52
p0 268.6 ± 1236
pull
Entries 53
Mean −65.1
Std Dev 0

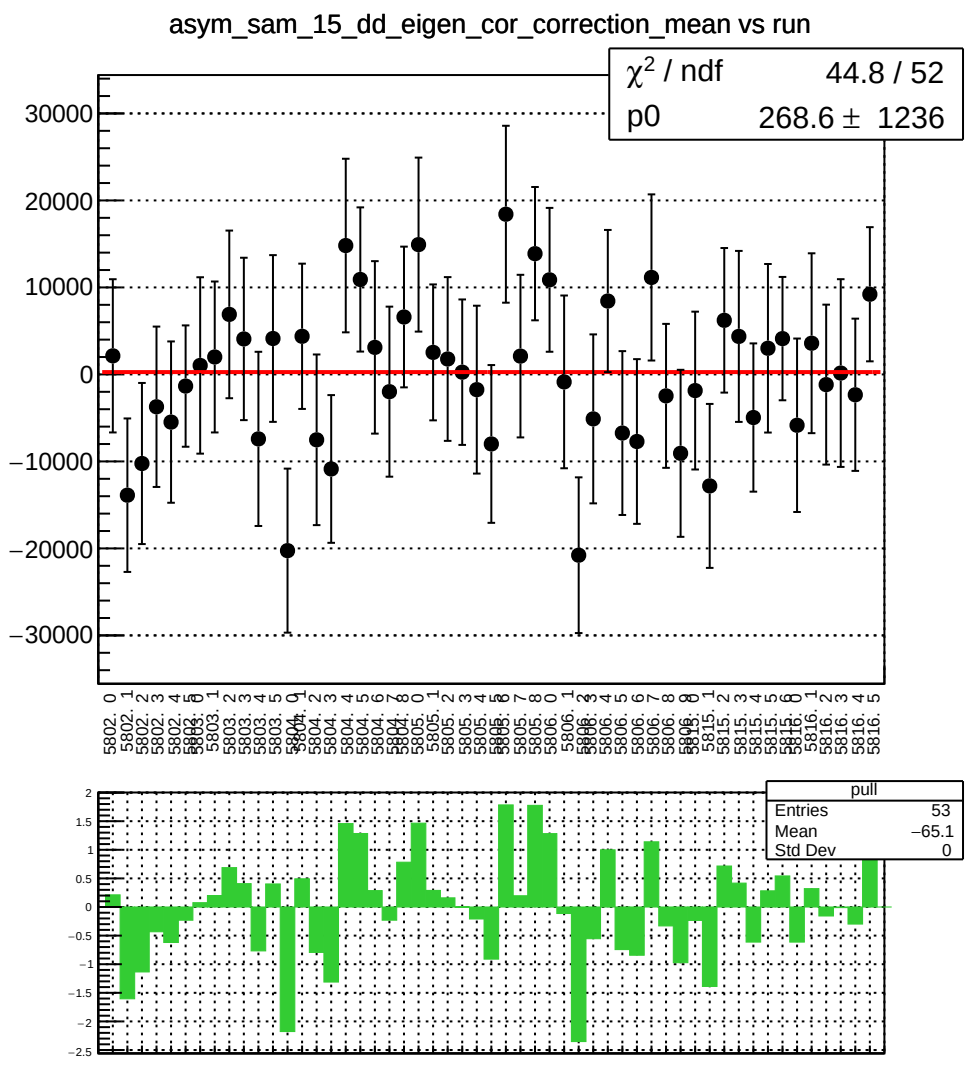

pull1D
Entries 53
Mean −0.01548
Std Dev 0.9193

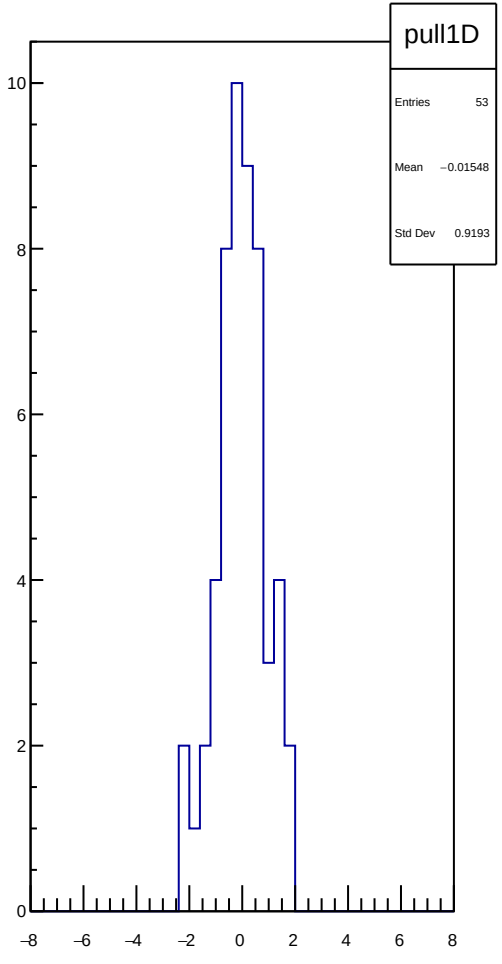

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 5228 / 52
p0 872.2 ± 0.8738
1050
1000
950
900
850
800
750

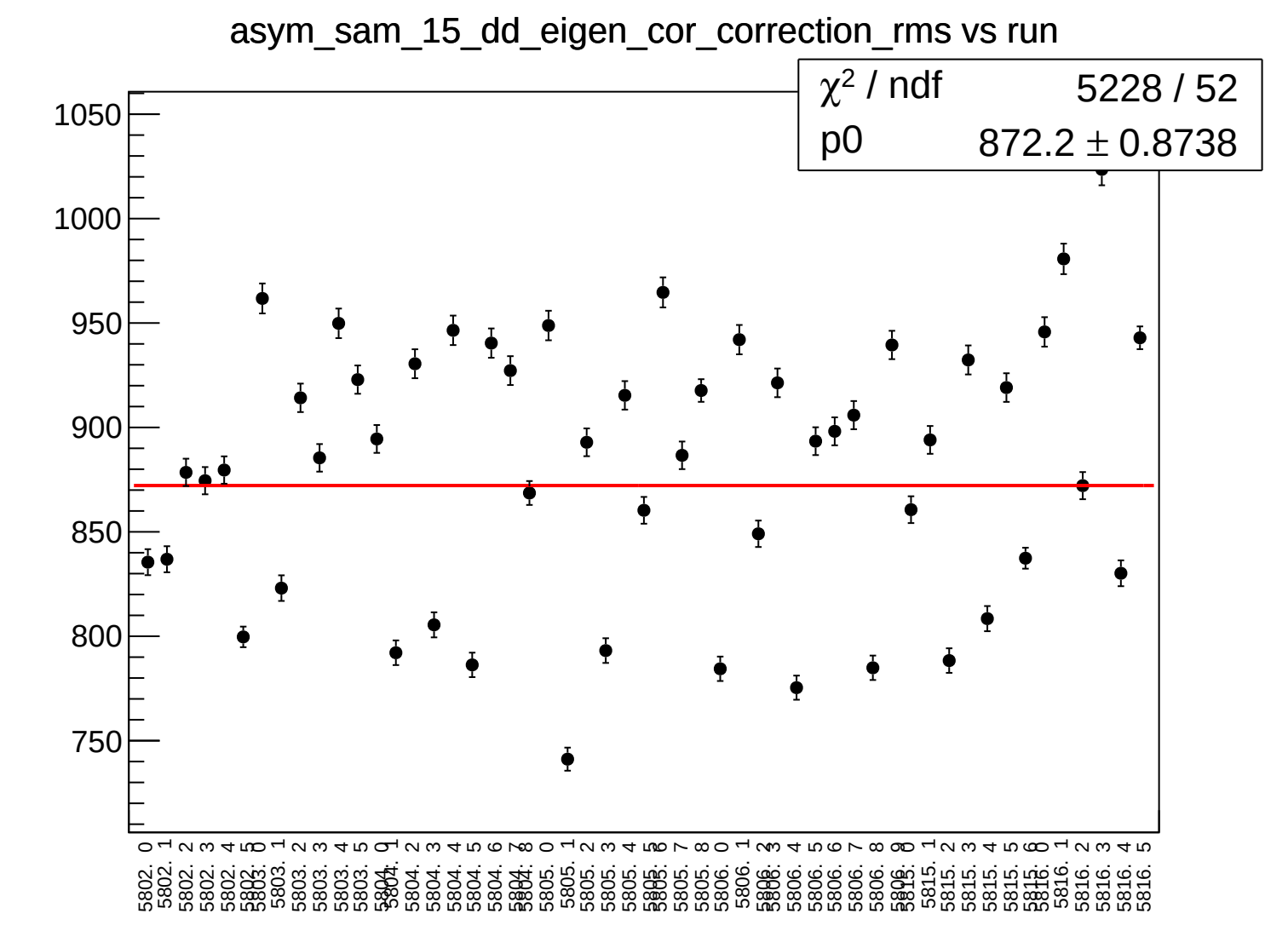

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 50.22 / 52
p0 −34.21± 132.5
pull
Entries 53
Mean −216.2
Std Dev 0

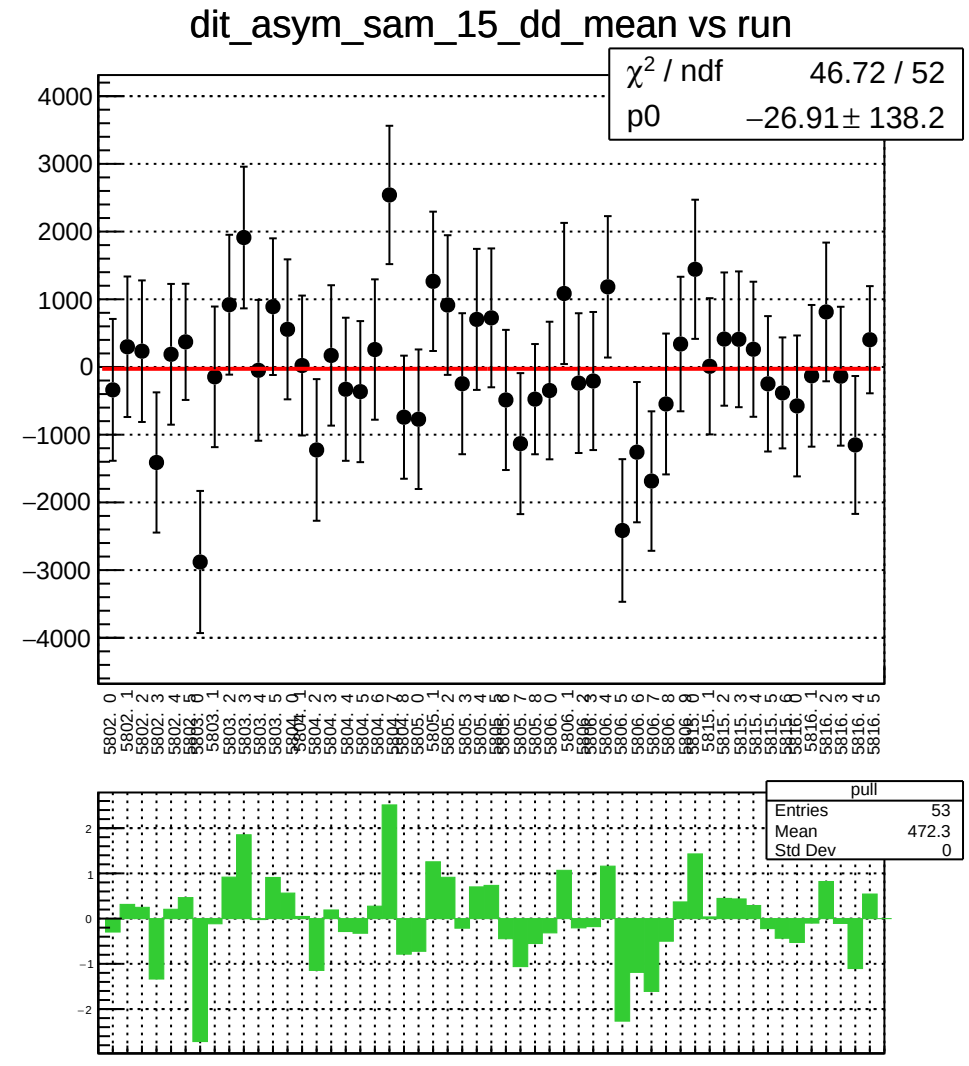

pull1D
Entries 53
Mean 0.003479
Std Dev 0.9734

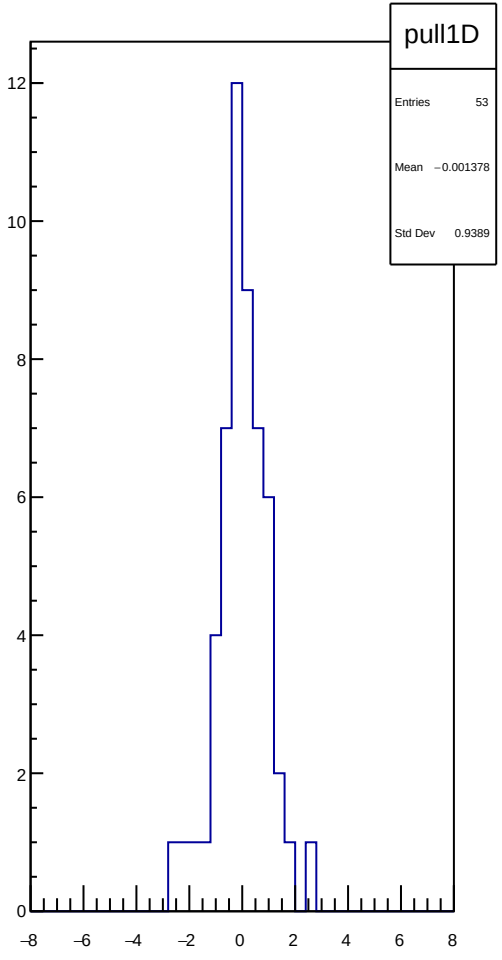

eigen_cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 106.2 / 52
p0 93.76 ± 0.0937
97
96
95
94
93
92
91
90

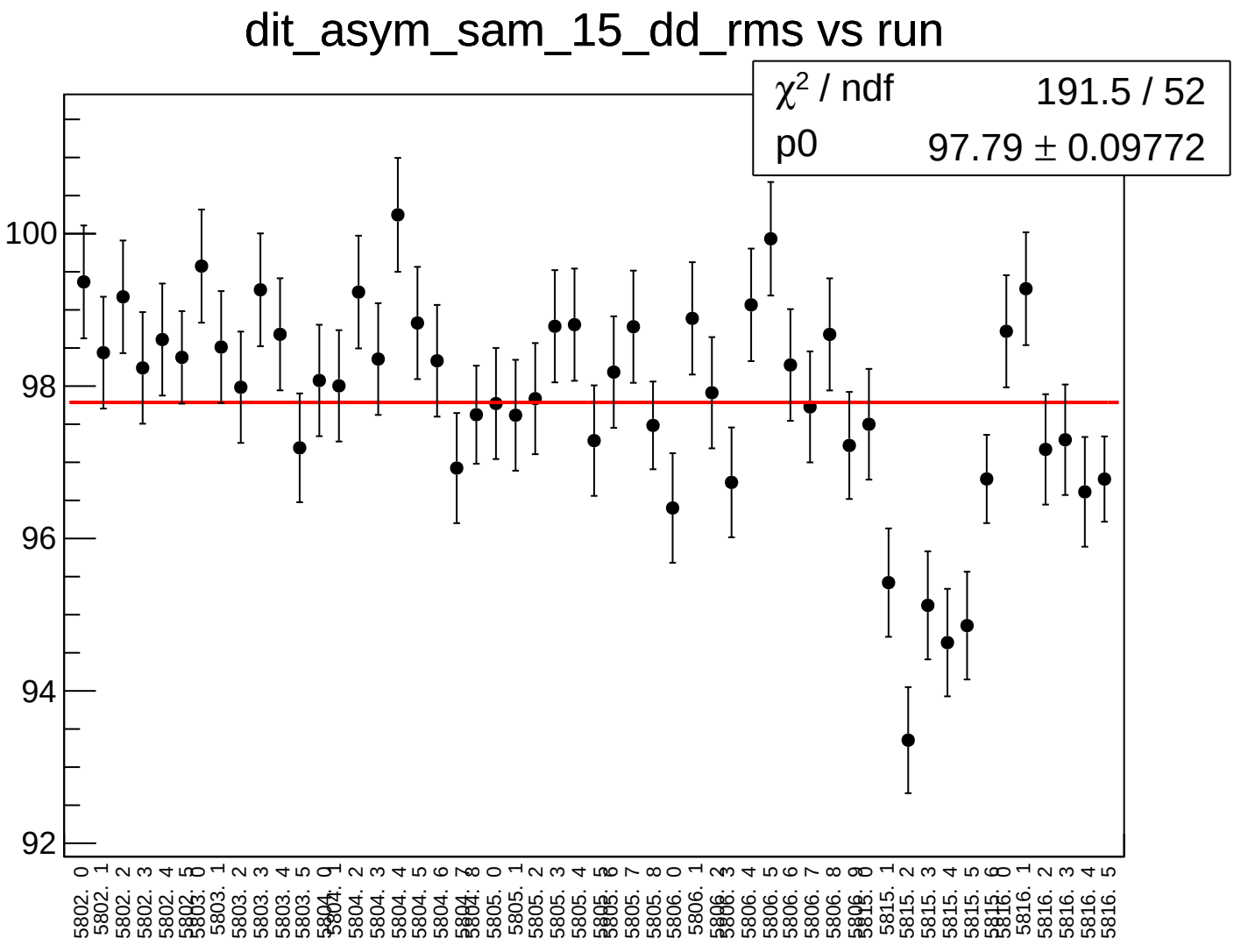

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.8 / 52
p0 268.6 ± 1236
pull
Entries 53
Mean −65.1
Std Dev 0

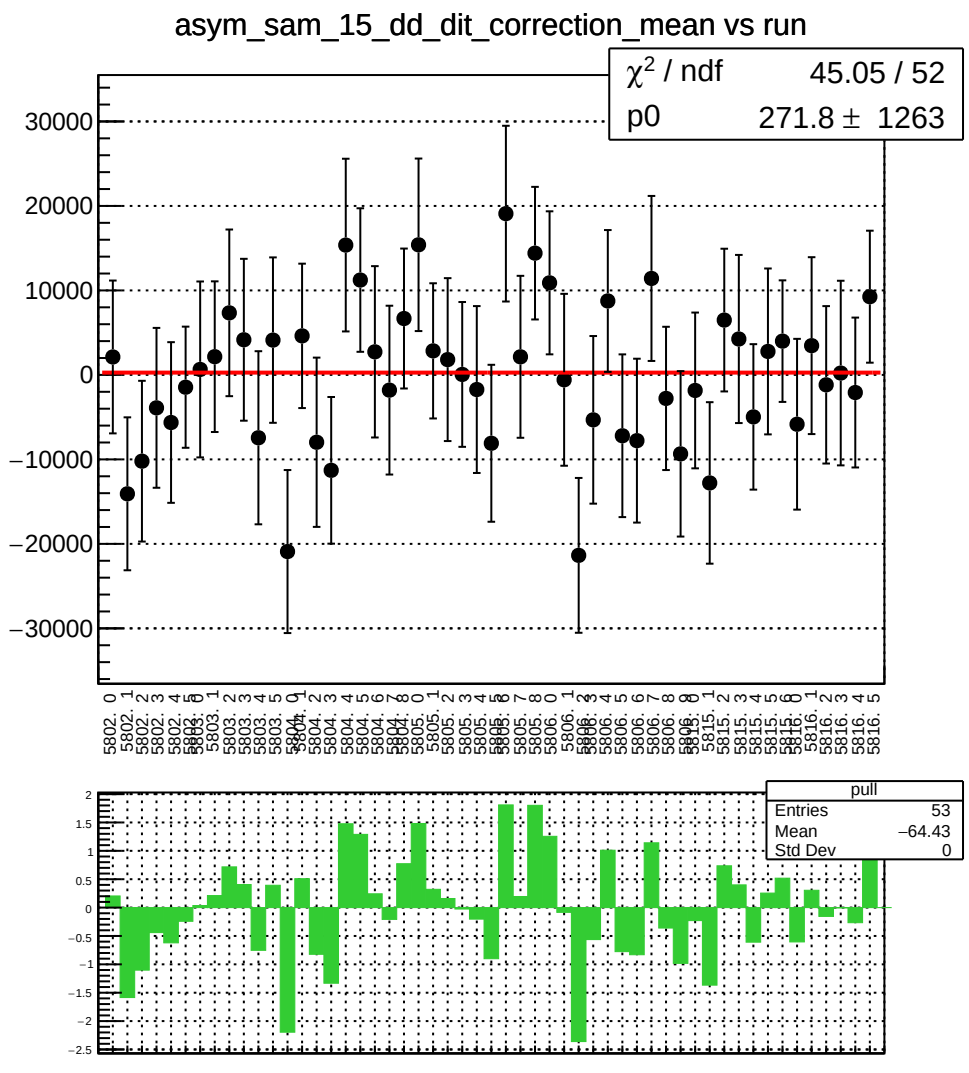

pull1D
Entries 53
Mean −0.01548
Std Dev 0.9193

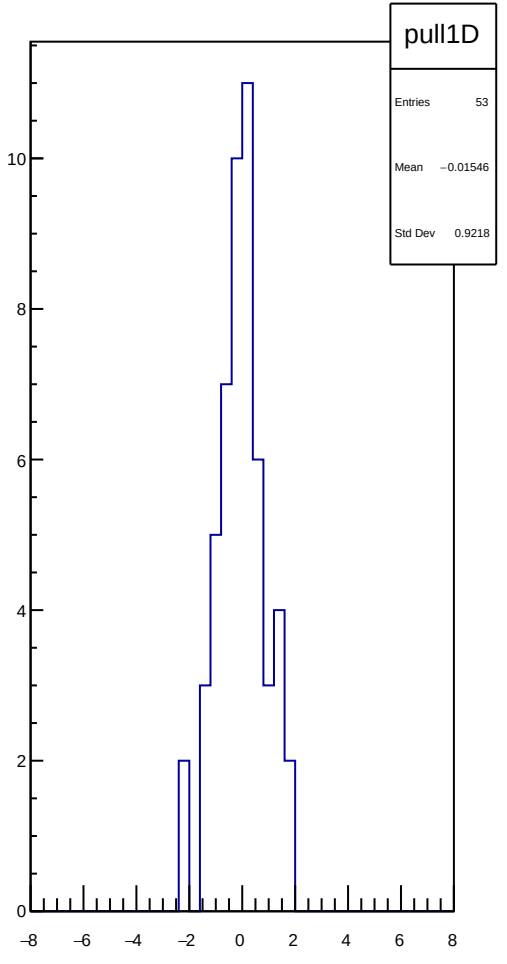

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 5228 / 52
p0 872.2 ± 0.8738
1050
1000
950
900
850
800
750

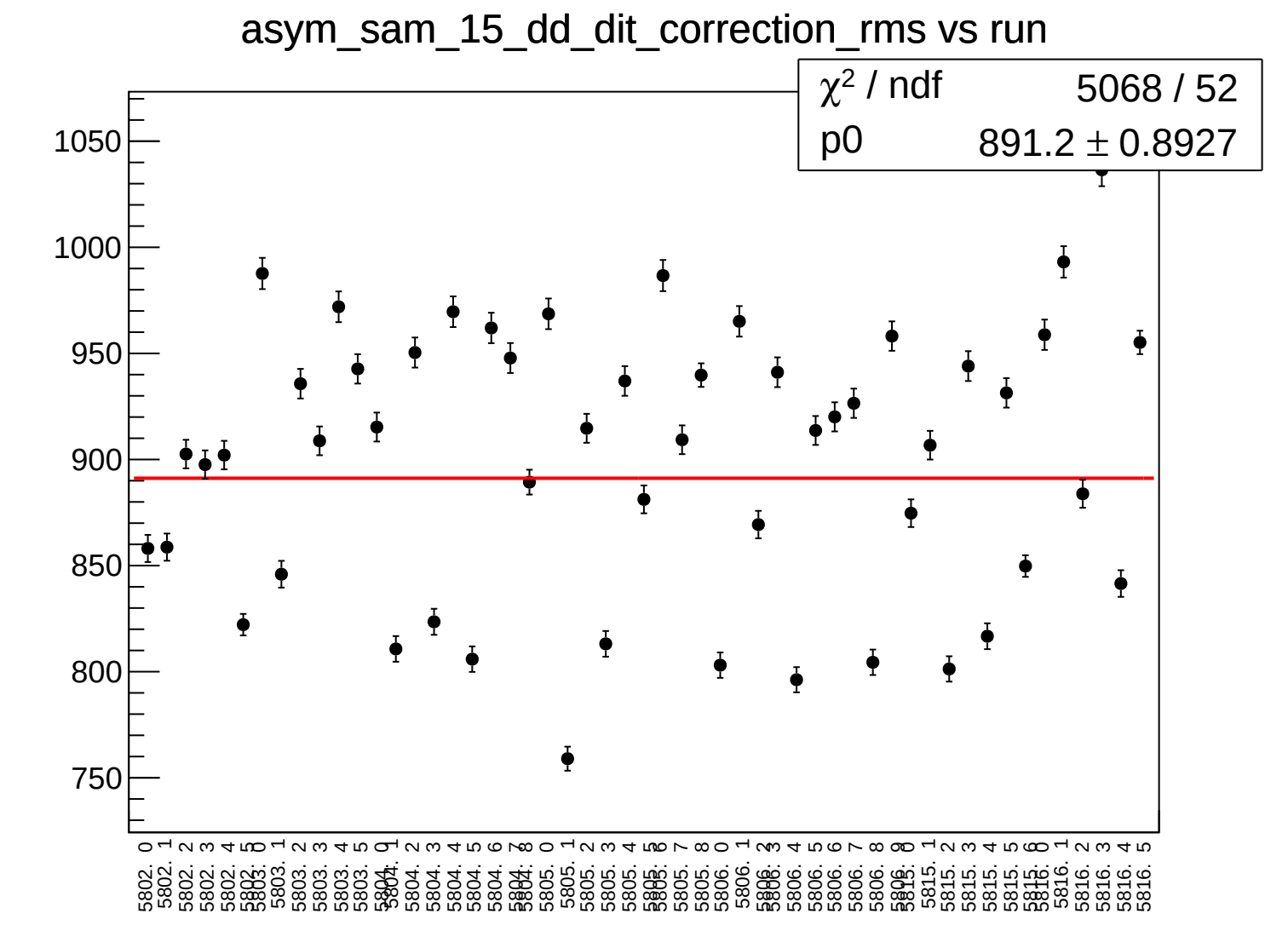

dit_asym_sam_15_dd_mean vs run
χ² / ndf 46.72 / 52
p0 −26.91± 138.2
pull
Entries 53
Mean 472.3
Std Dev 0

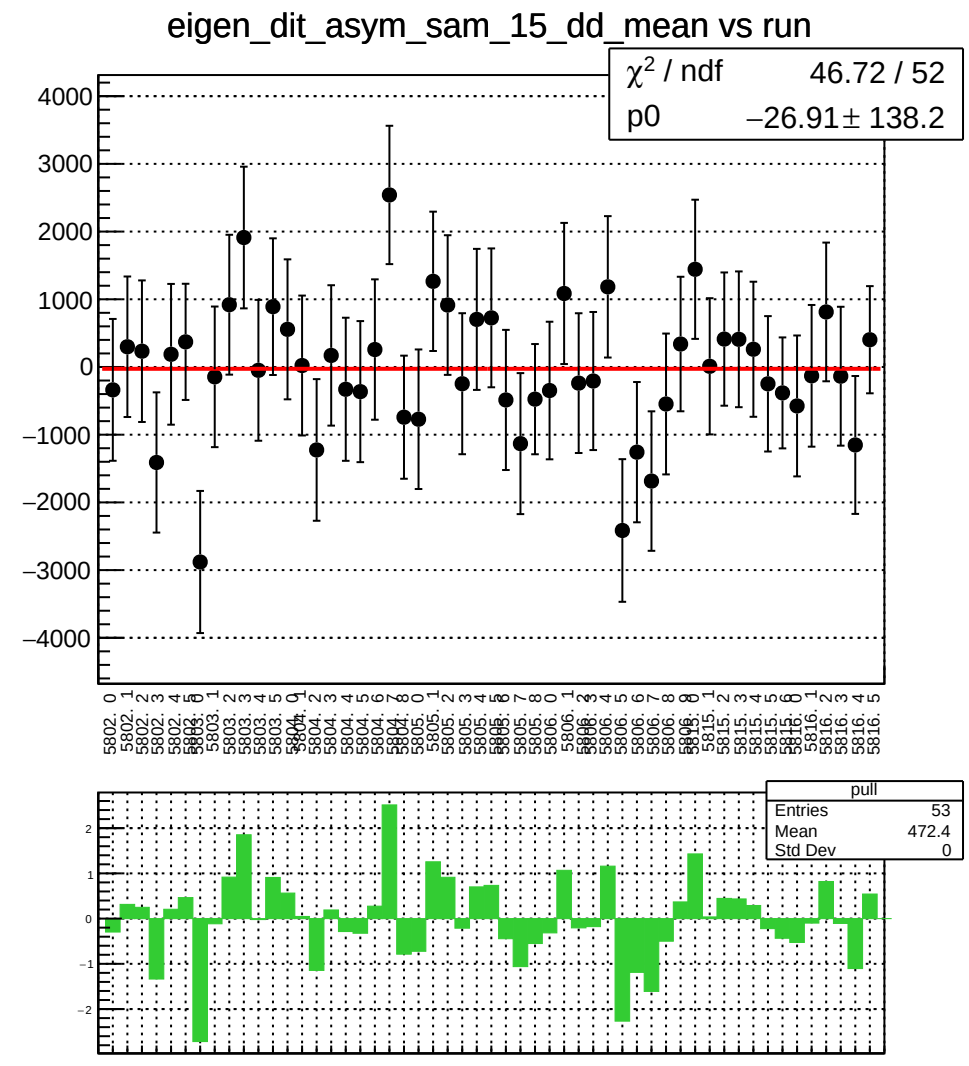

pull1D
Entries 53
Mean −0.001378
Std Dev 0.9389

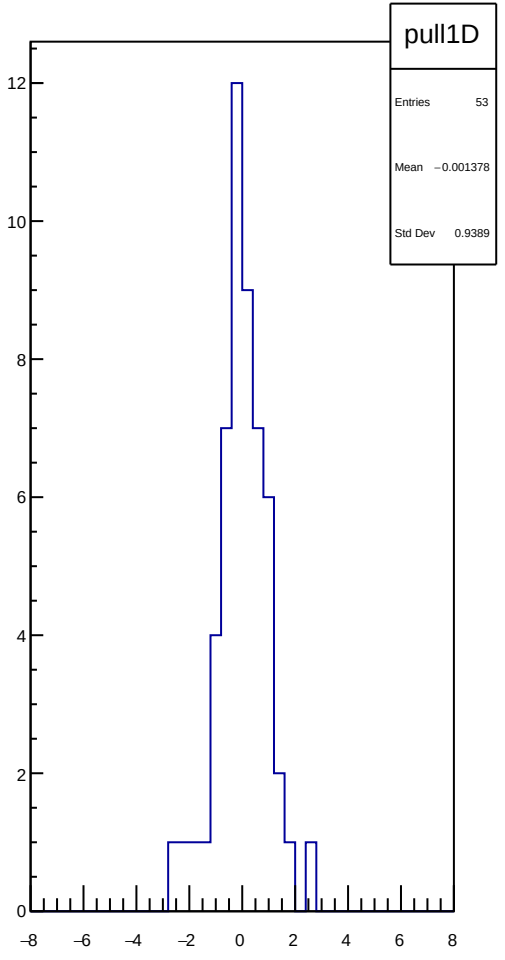

dit_asym_sam_15_dd_rms vs run
χ² / ndf 191.5 / 52
p0 97.79 ± 0.09772
100
98
96
94
92

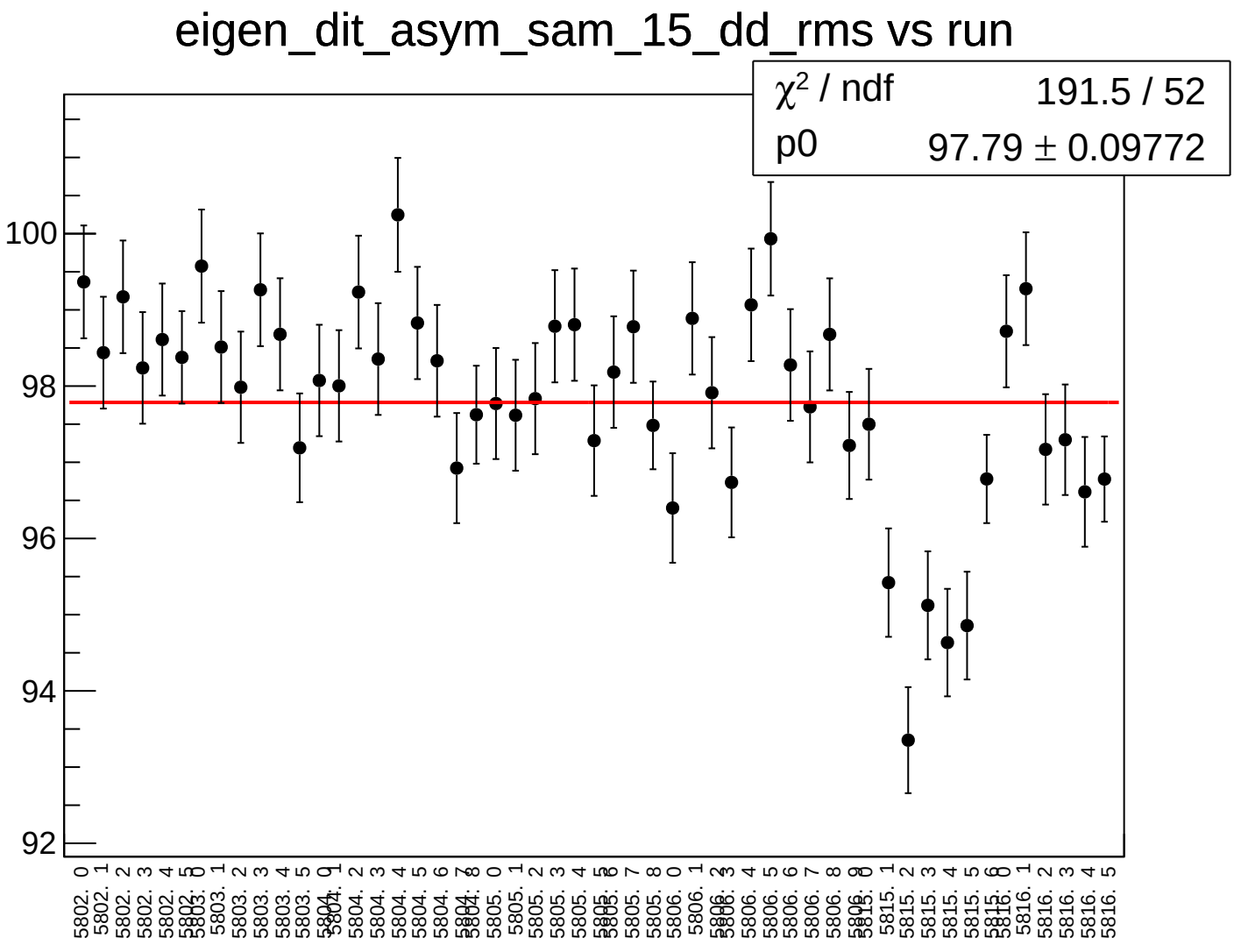

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 45.05 / 52
p0 271.8 ± 1263
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −64.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.01546
Std Dev 0.9218
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 5068 / 52
p0 891.2 ± 0.8927
1050
1000
950
900
850
800
750


eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 46.72 / 52
p0 −26.91 ± 138.2
pull
Entries 53
Mean 472.4
Std Dev 0


pull1D
Entries 53
Mean −0.001378
Std Dev 0.9389


eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 191.5 / 52
p0 97.79 ± 0.09772
100
98
96
94
92
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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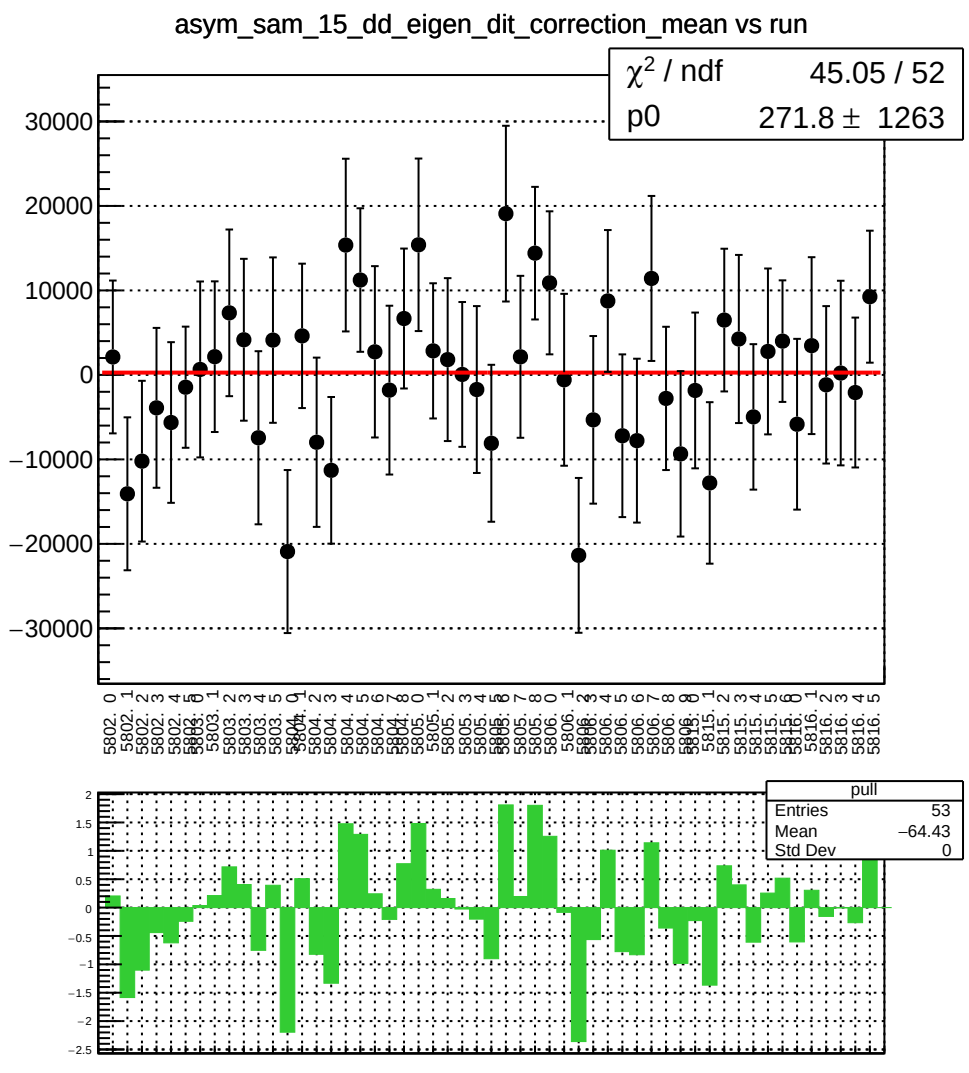
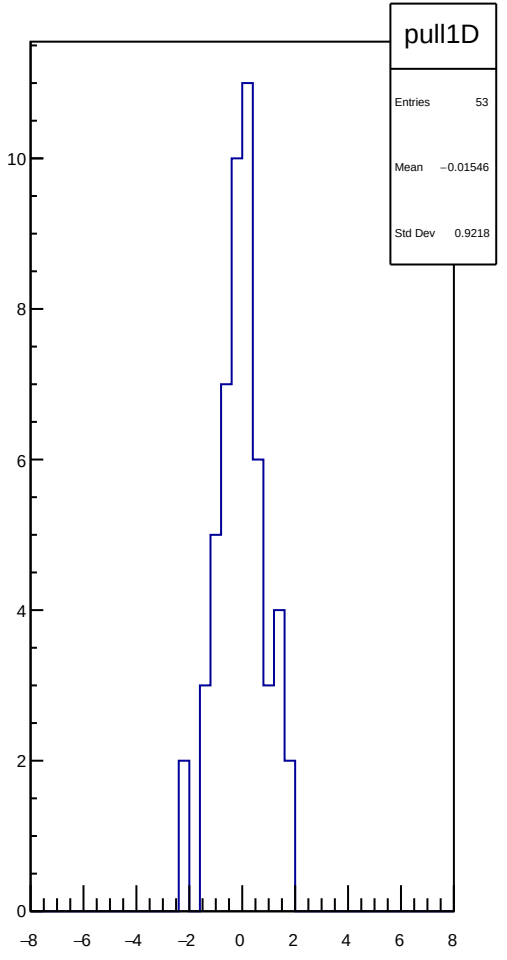
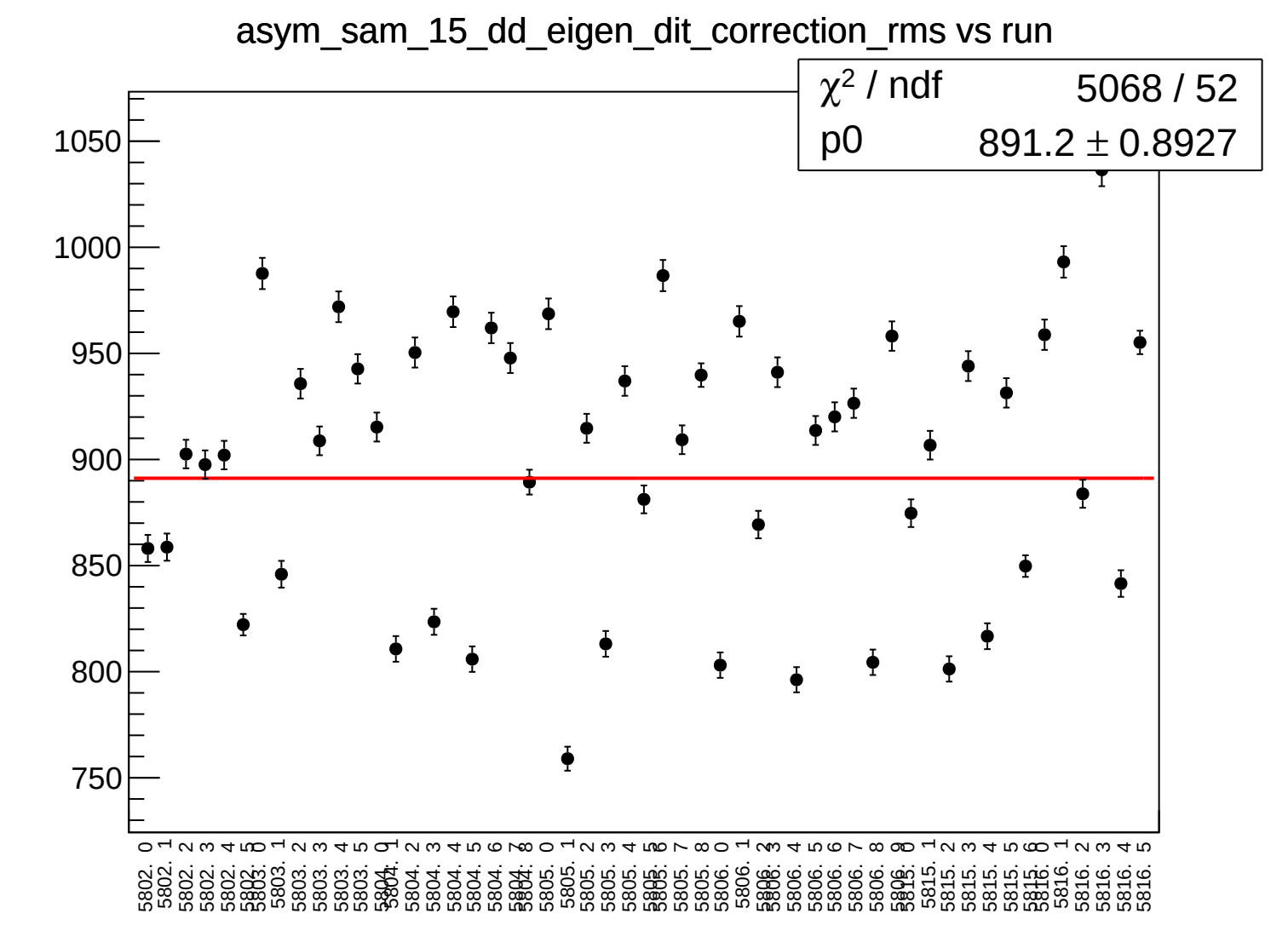
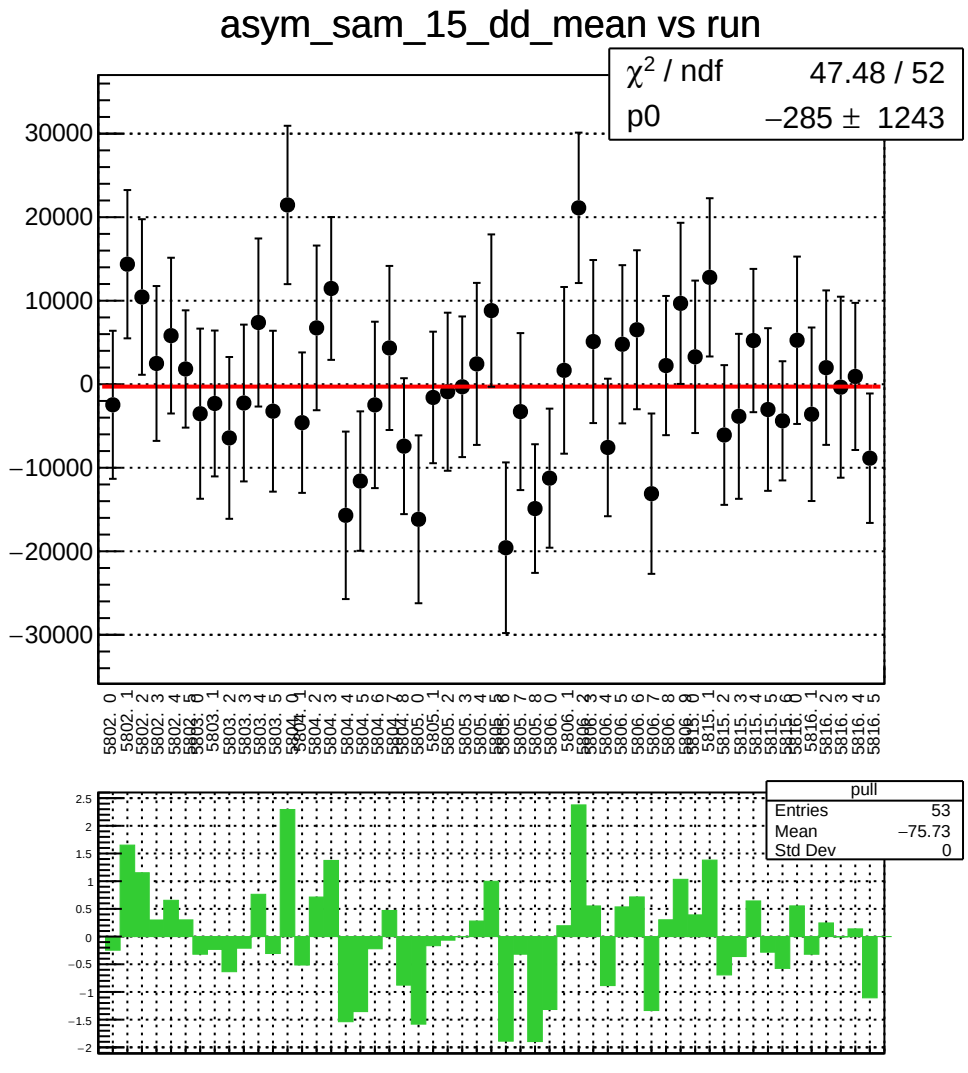
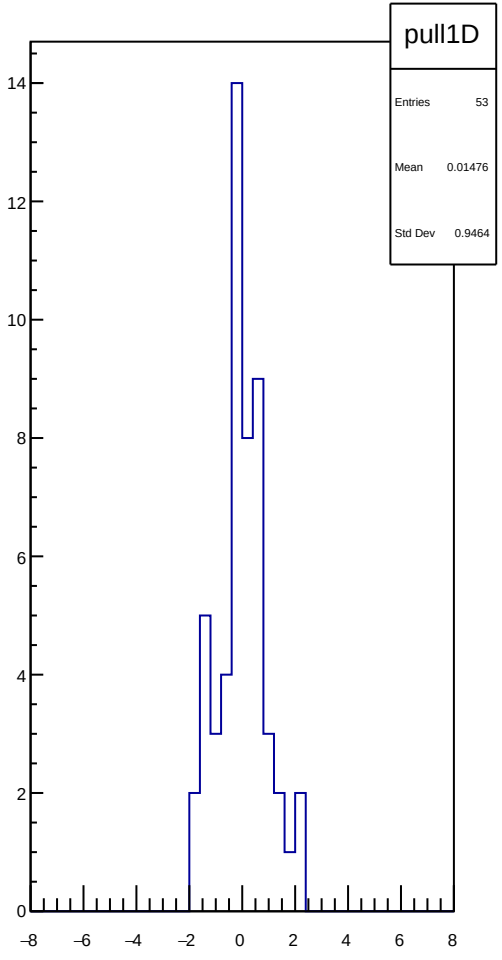
5816. 4
5816. 5

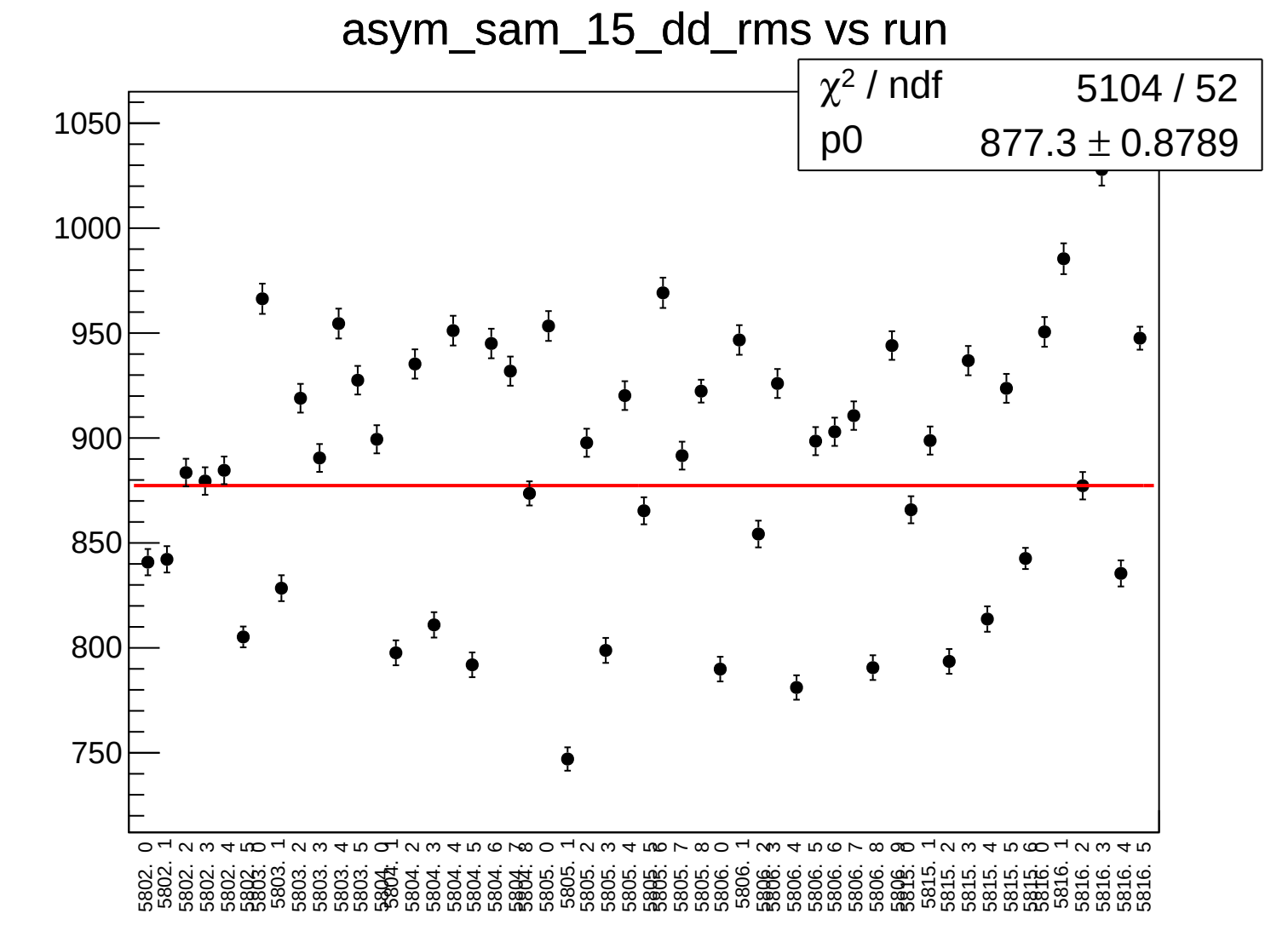

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 45.05 / 52
p0 271.8 ± 1263
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −64.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

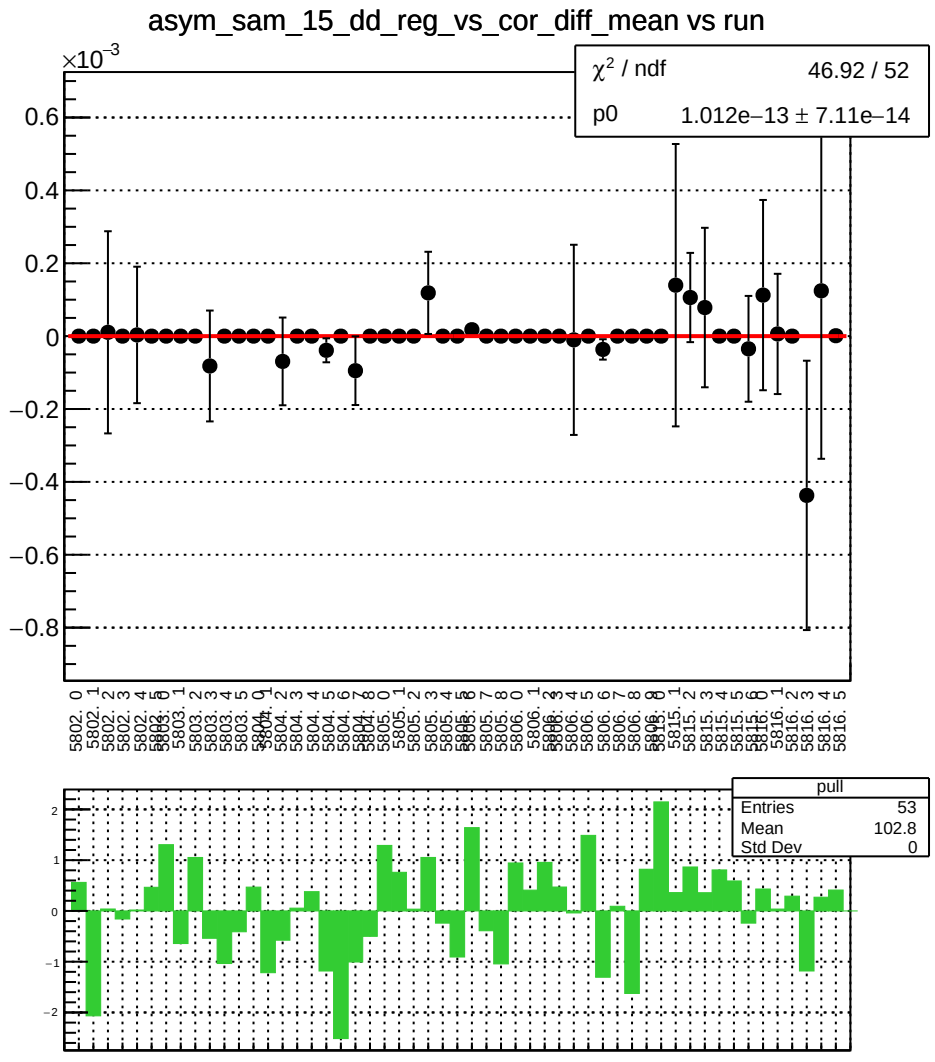

pull1D
Entries 53
Mean −0.01546
Std Dev 0.9218
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

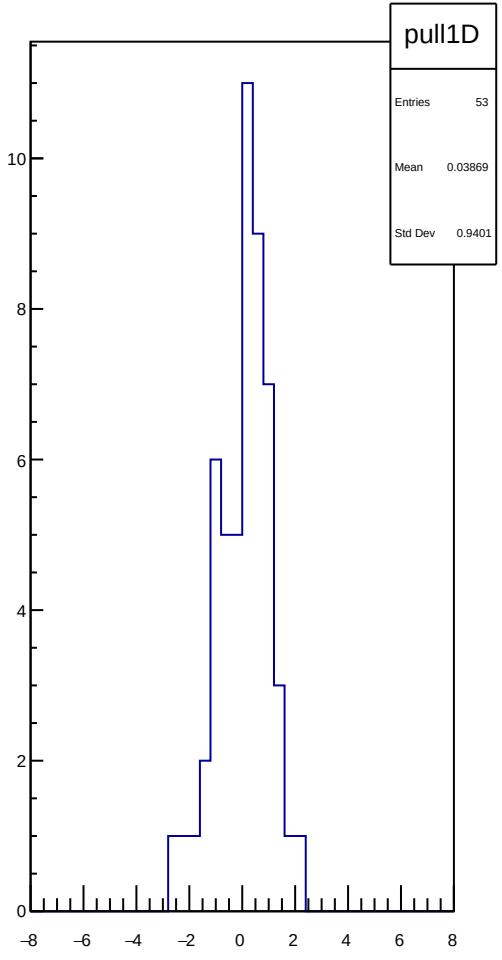

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 5068 / 52
p0 891.2 ± 0.8927
1050
1000
950
900
850
800
750
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

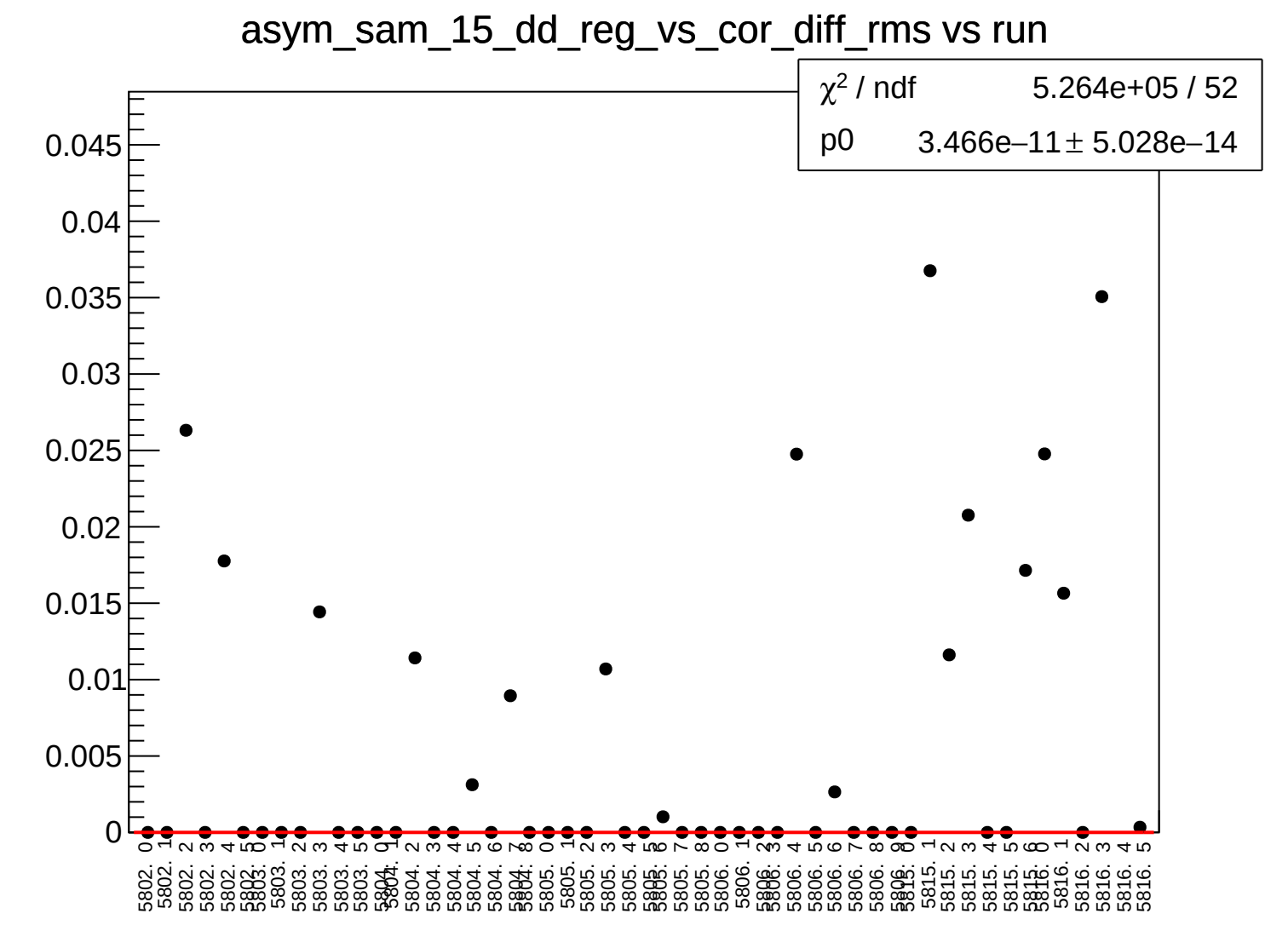

asym_sam_15_dd_mean vs run
χ² / ndf 47.48 / 52
p0 −285 ± 1243
pull
Entries 53
Mean −75.73
Std Dev 0

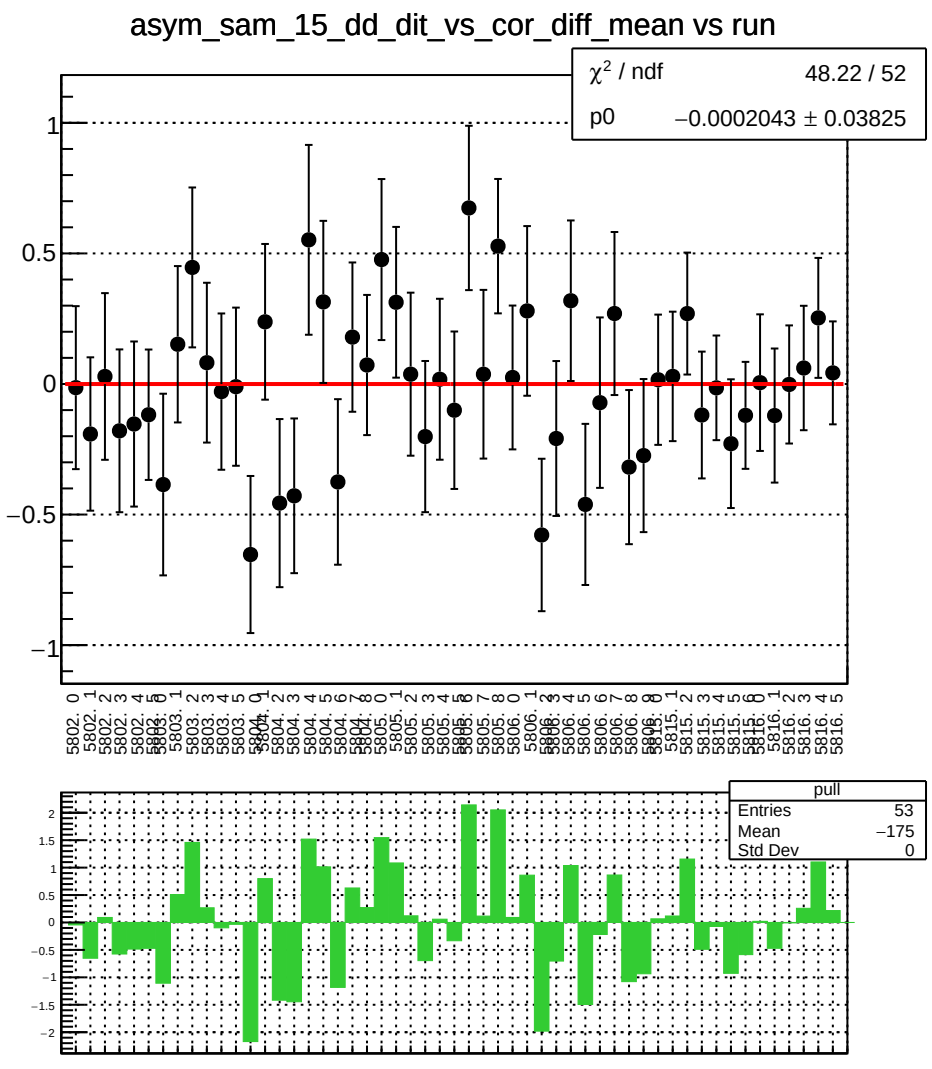

pull1D
Entries 53
Mean 0.01476
Std Dev 0.9464

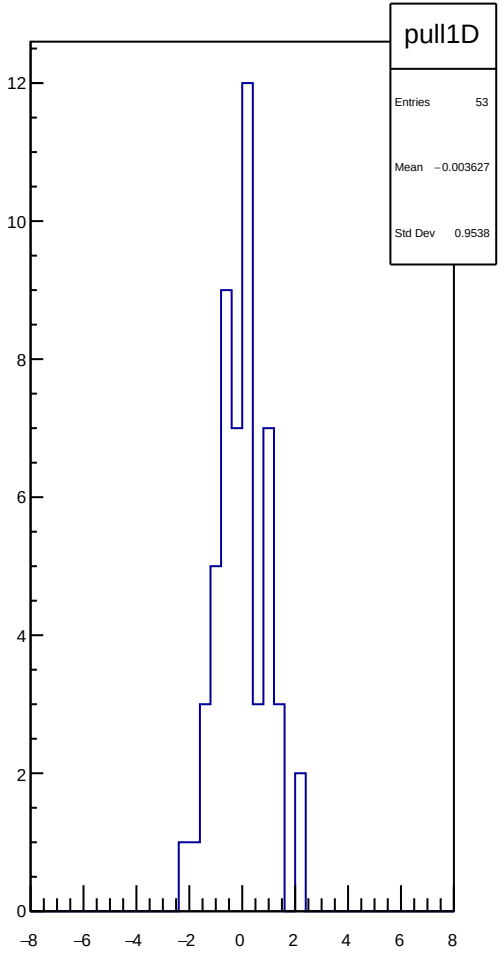

asym_sam_15_dd_rms vs run
χ² / ndf 5104 / 52
p0 877.3 ± 0.8789
1050
1000
950
900
850
800
750

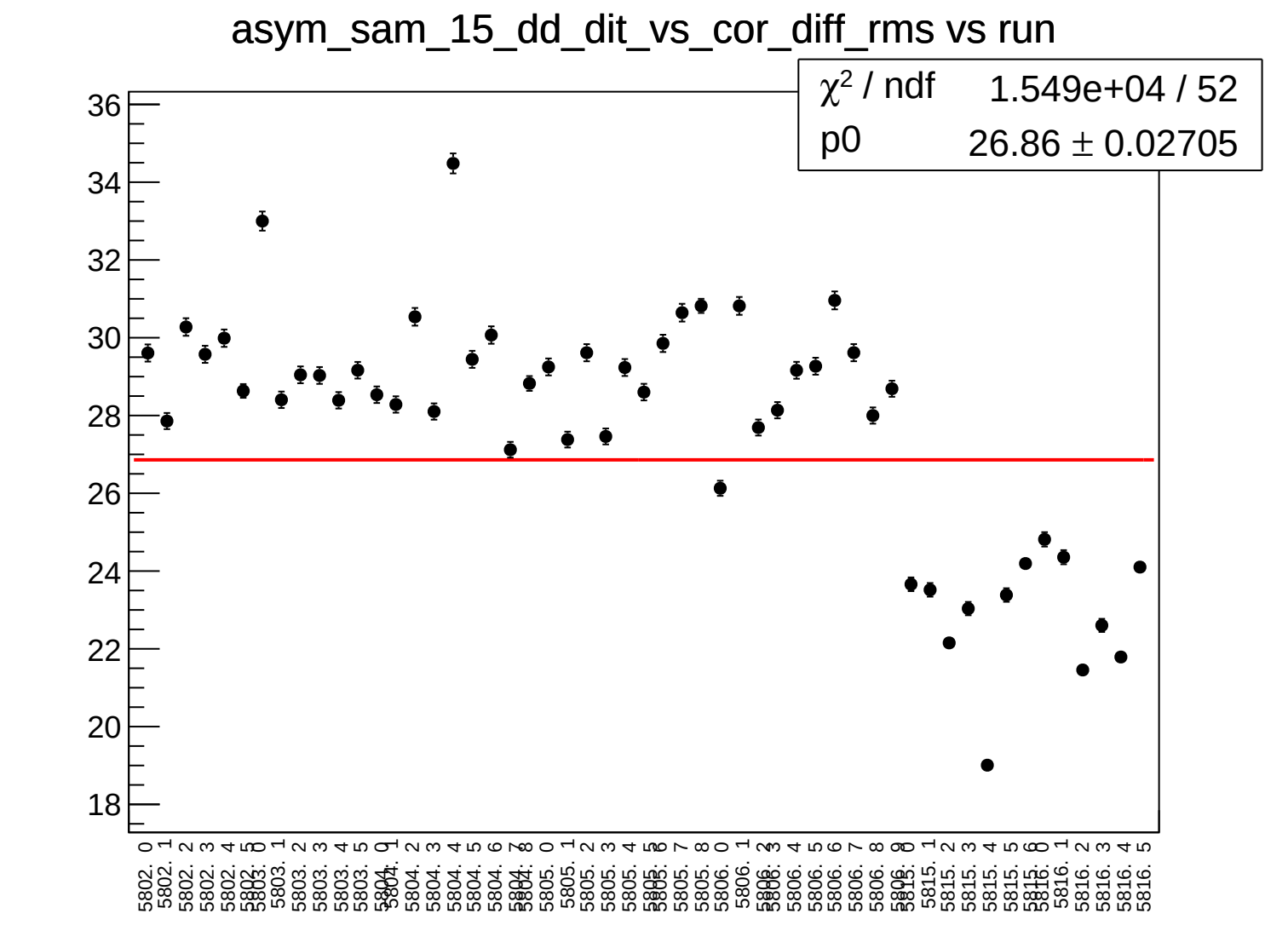

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 46.92 / 52
p0 1.012e−13 ± 7.11e−14
pull
Entries 53
Mean 102.8
Std Dev 0

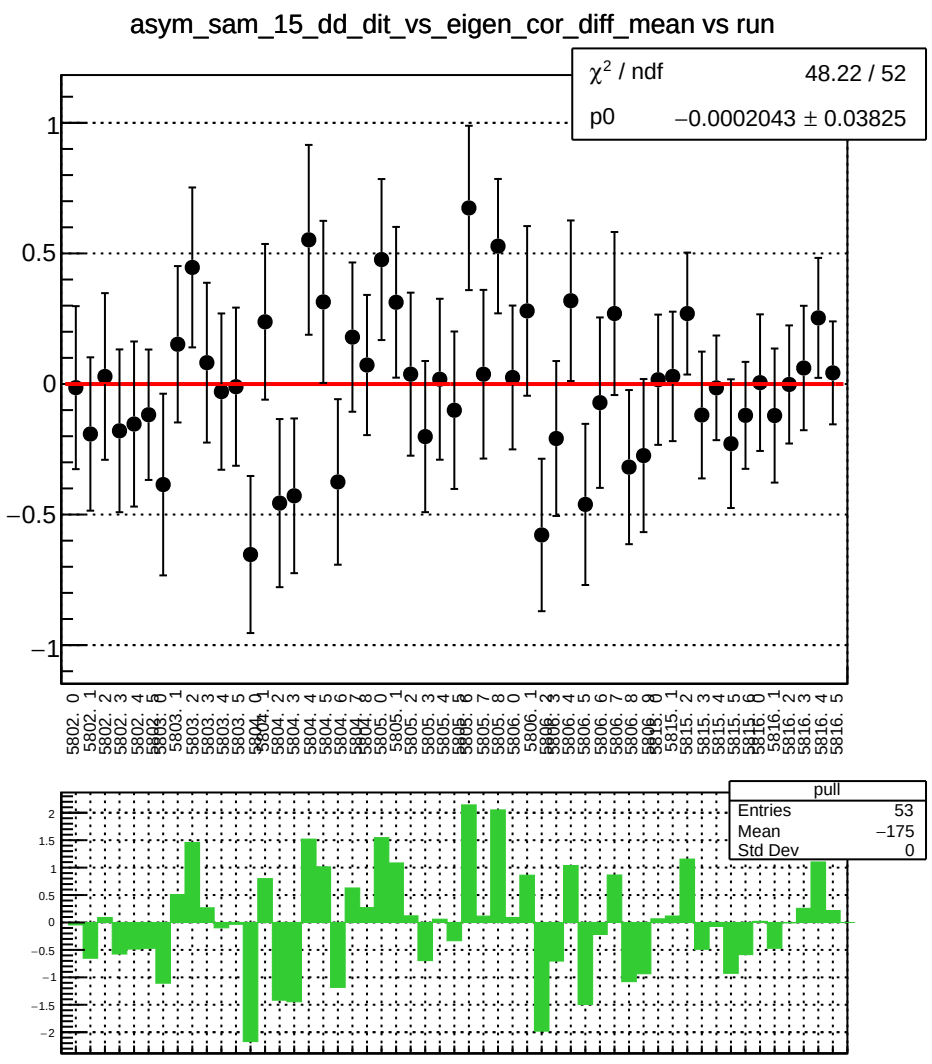

pull1D
Entries 53
Mean 0.03869
Std Dev 0.9401

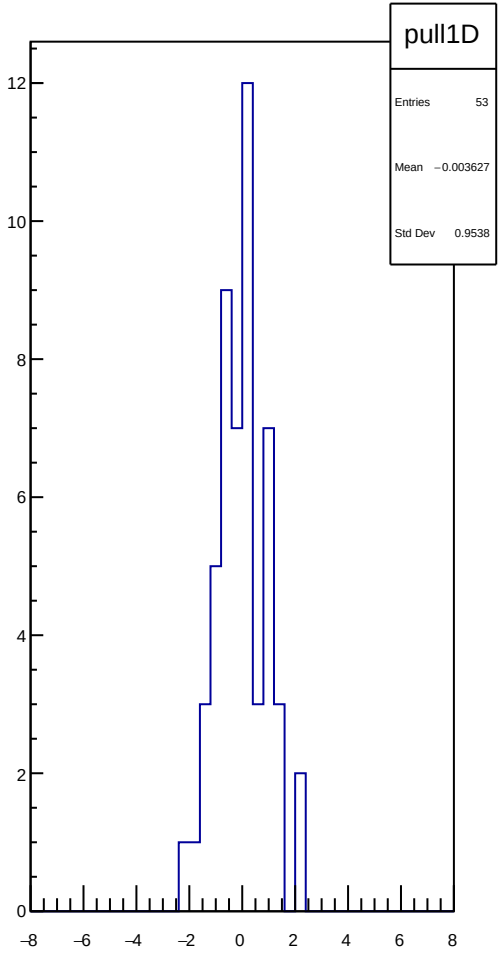

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.264e+05 / 52
p0 3.466e−11 ± 5.028e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

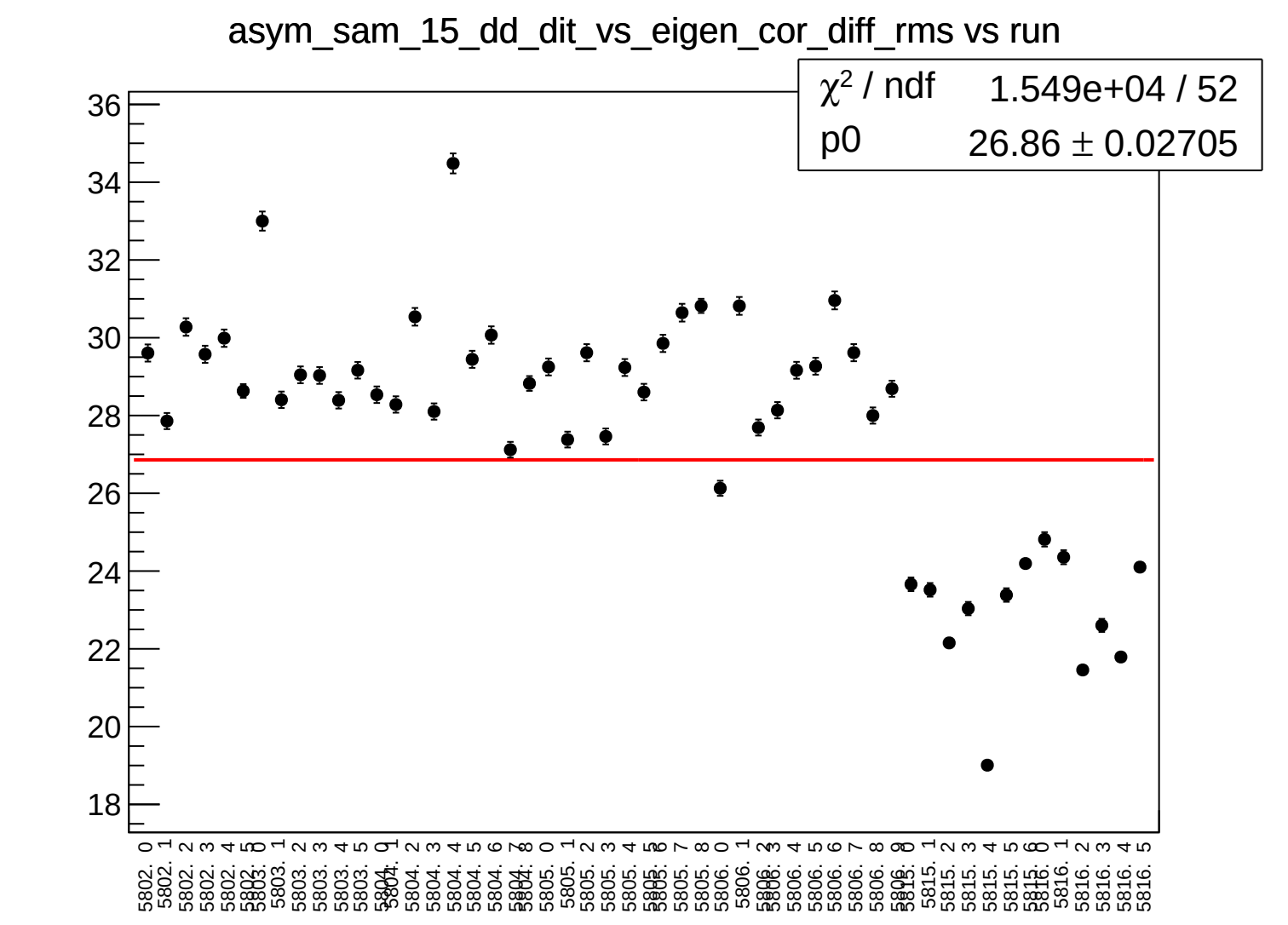

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.22 / 52
p0 −0.0002043 ± 0.03825
pull
Entries 53
Mean −175
Std Dev 0

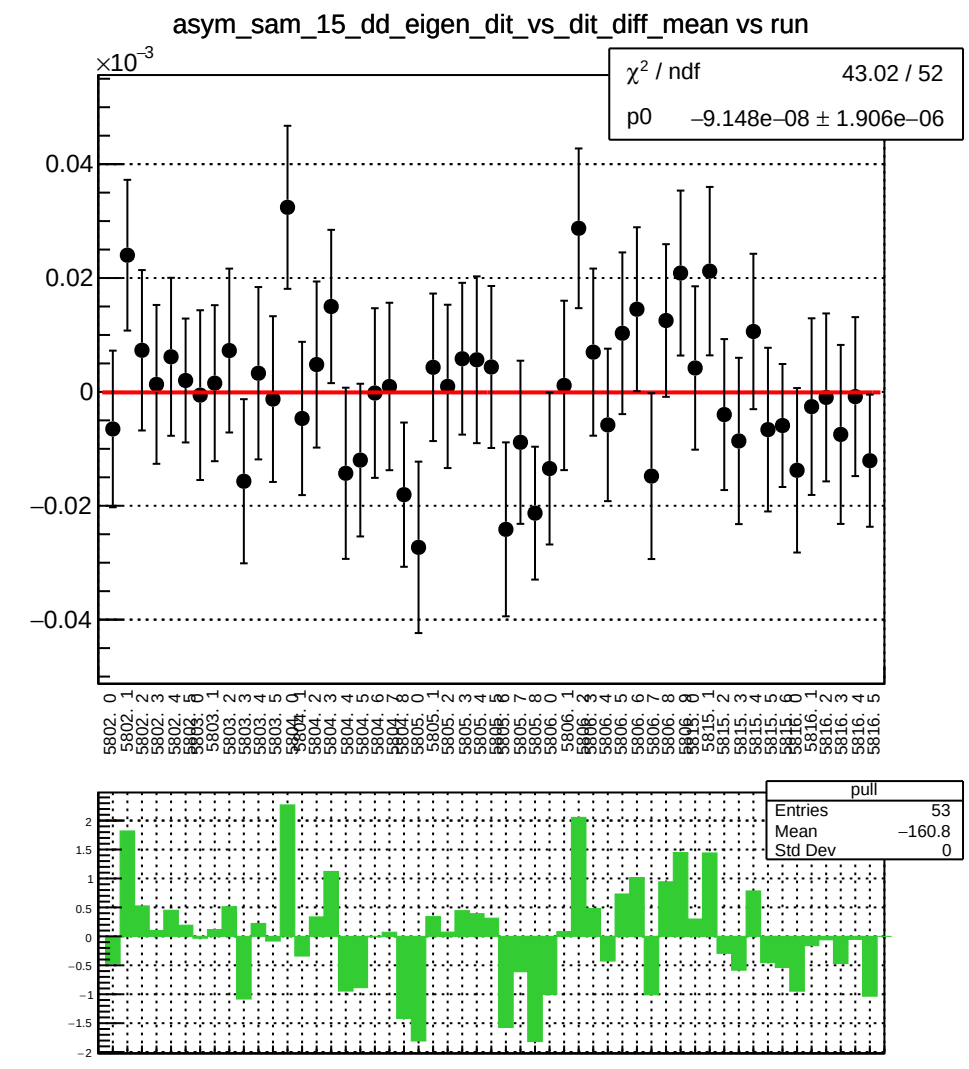

pull1D
Entries 53
Mean −0.003627
Std Dev 0.9538

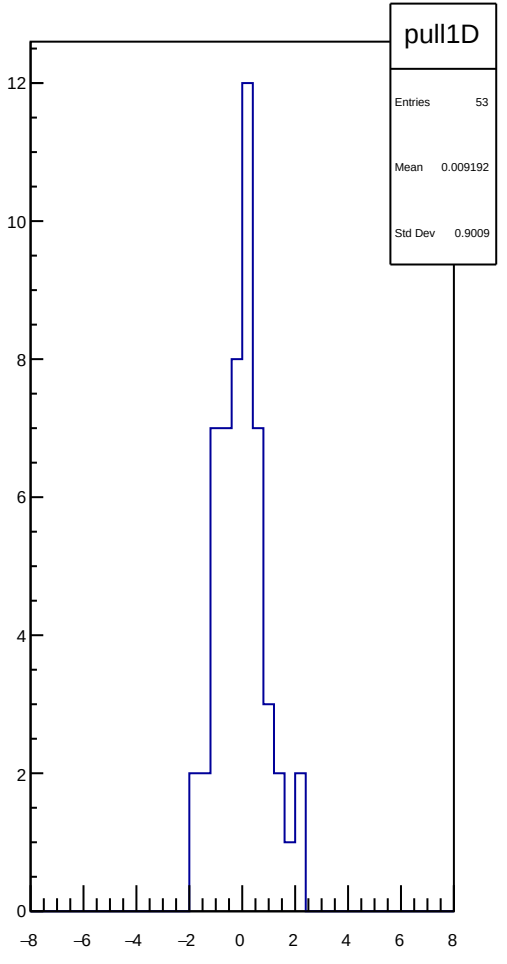

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+04 / 52
p0 26.86 ± 0.02705
36
34
32
30
28
26
24
22
20
18

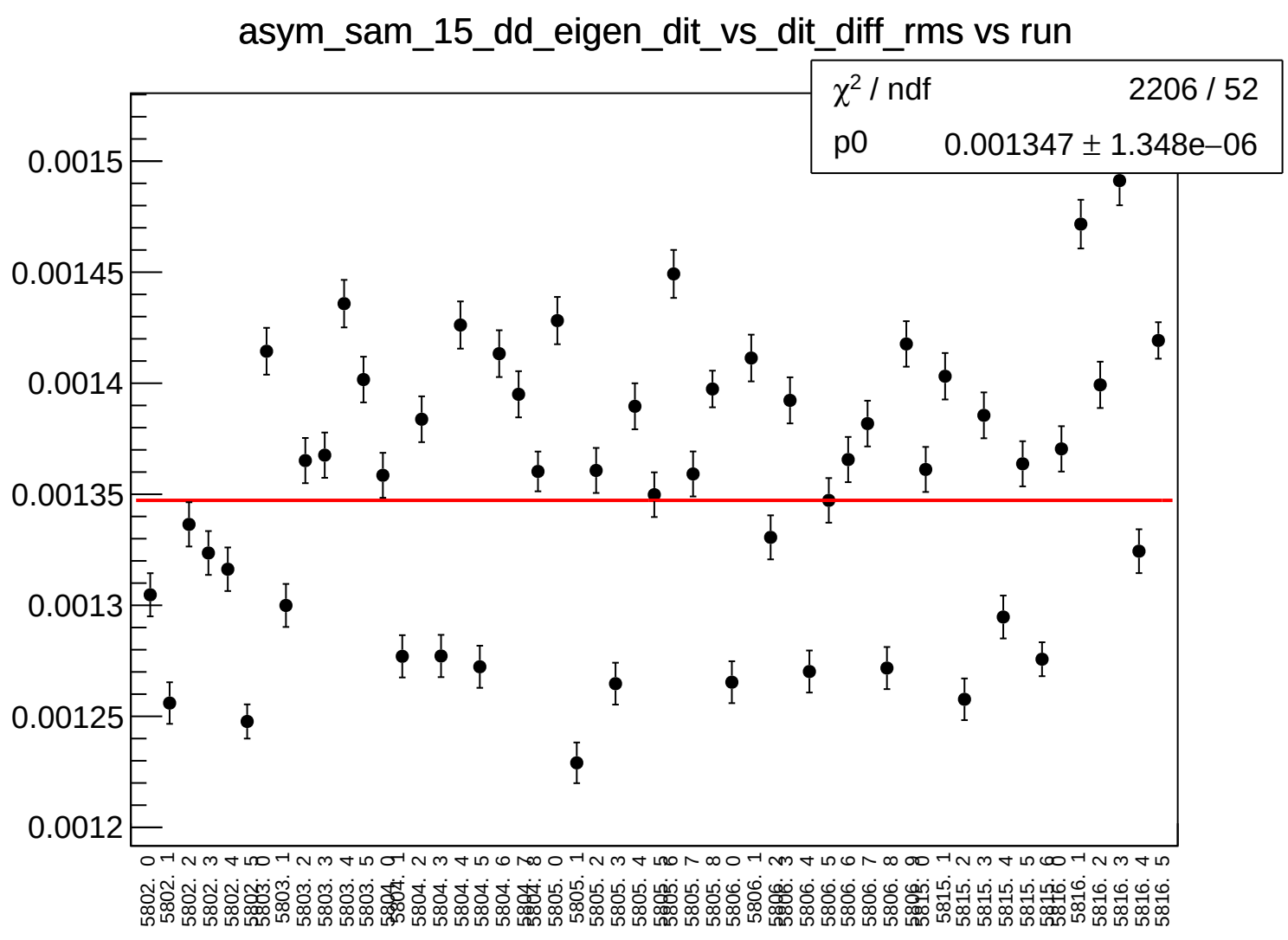

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.22 / 52
p0 −0.0002043 ± 0.03825
pull
Entries 53
Mean −175
Std Dev 0

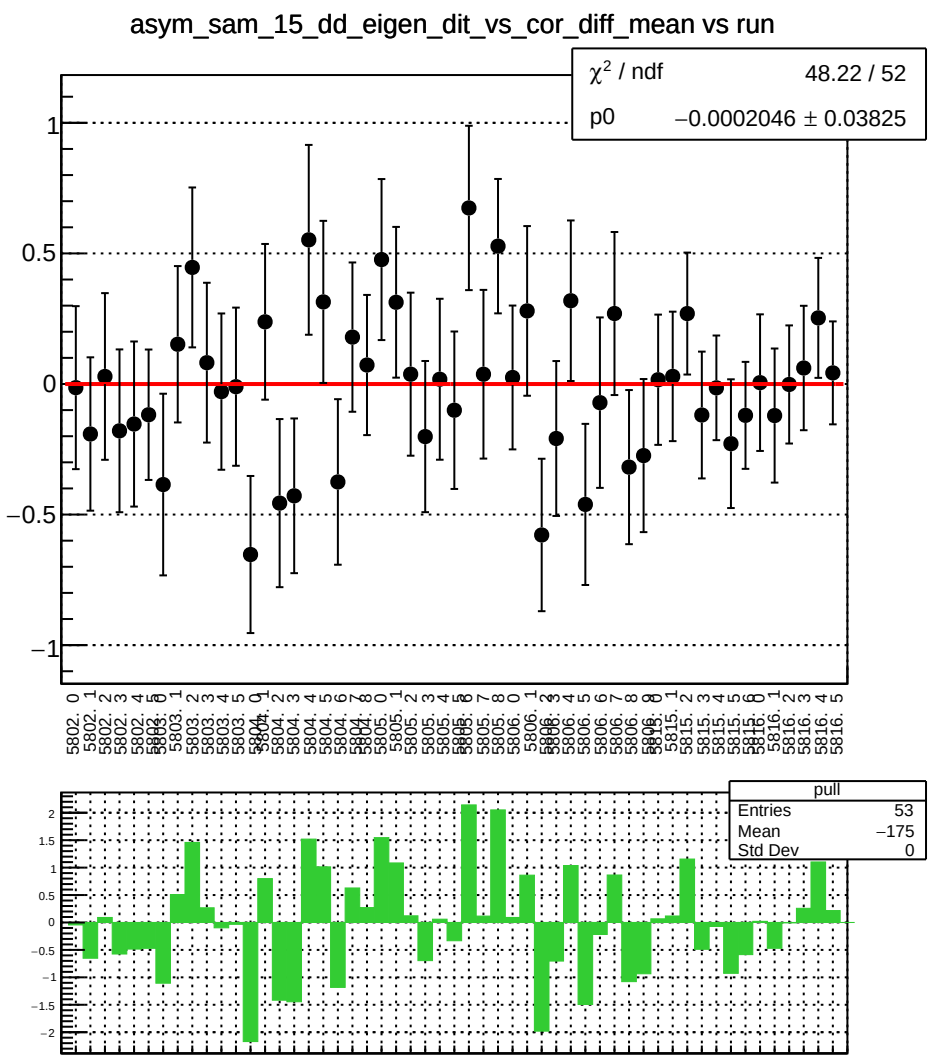

pull1D
Entries 53
Mean −0.003627
Std Dev 0.9538

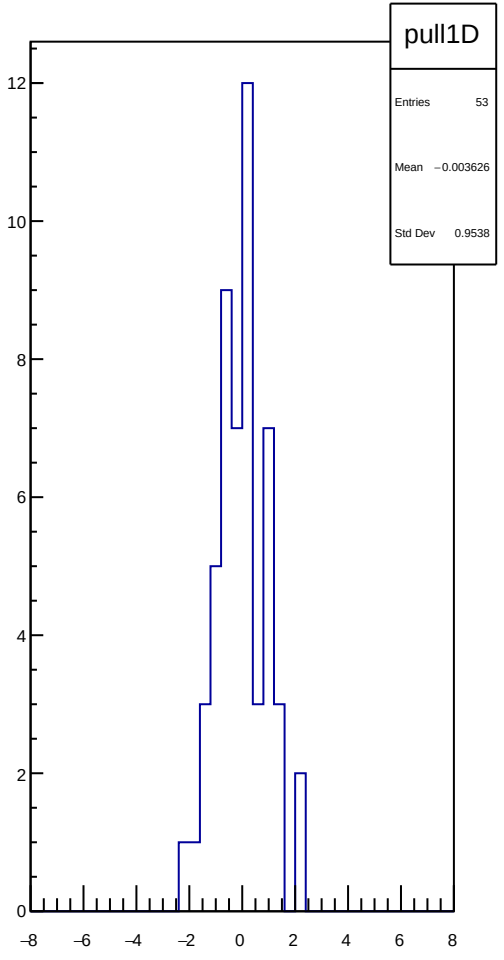

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+04 / 52
p0 26.86 ± 0.02705
36
34
32
30
28
26
24
22
20
18

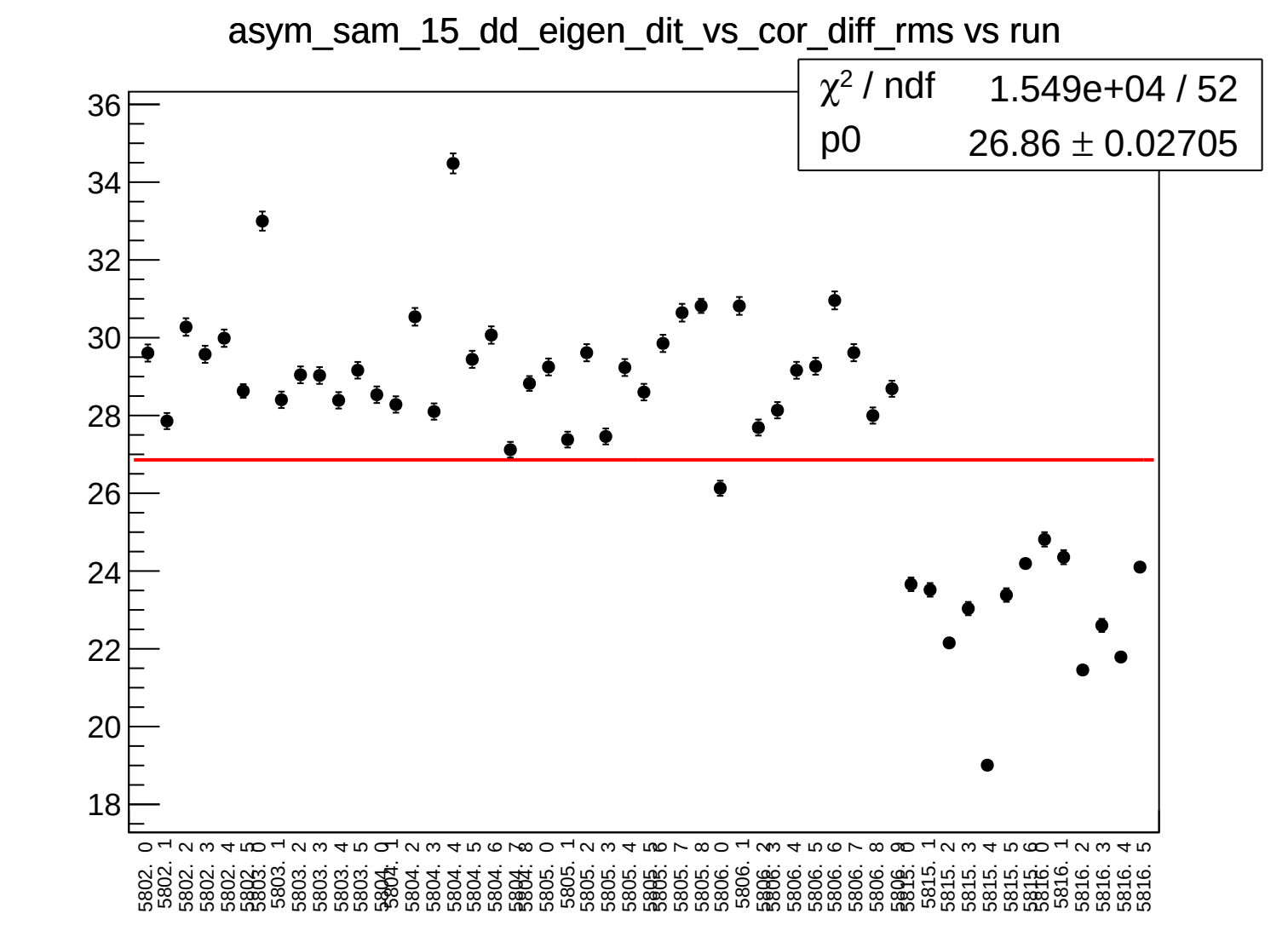

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.02 / 52
p0 −9.148e−08 ± 1.906e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −160.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.009192
Std Dev 0.9009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2206 / 52
p0 0.001347 ± 1.348e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.22 / 52
p0 −0.0002046 ± 0.03825
pull
Entries 53
Mean −175
Std Dev 0


pull1D
Entries 53
Mean −0.003626
Std Dev 0.9538


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.549e+04 / 52
p0 26.86 ± 0.02705
36
34
32
30
28
26
24
22
20
18
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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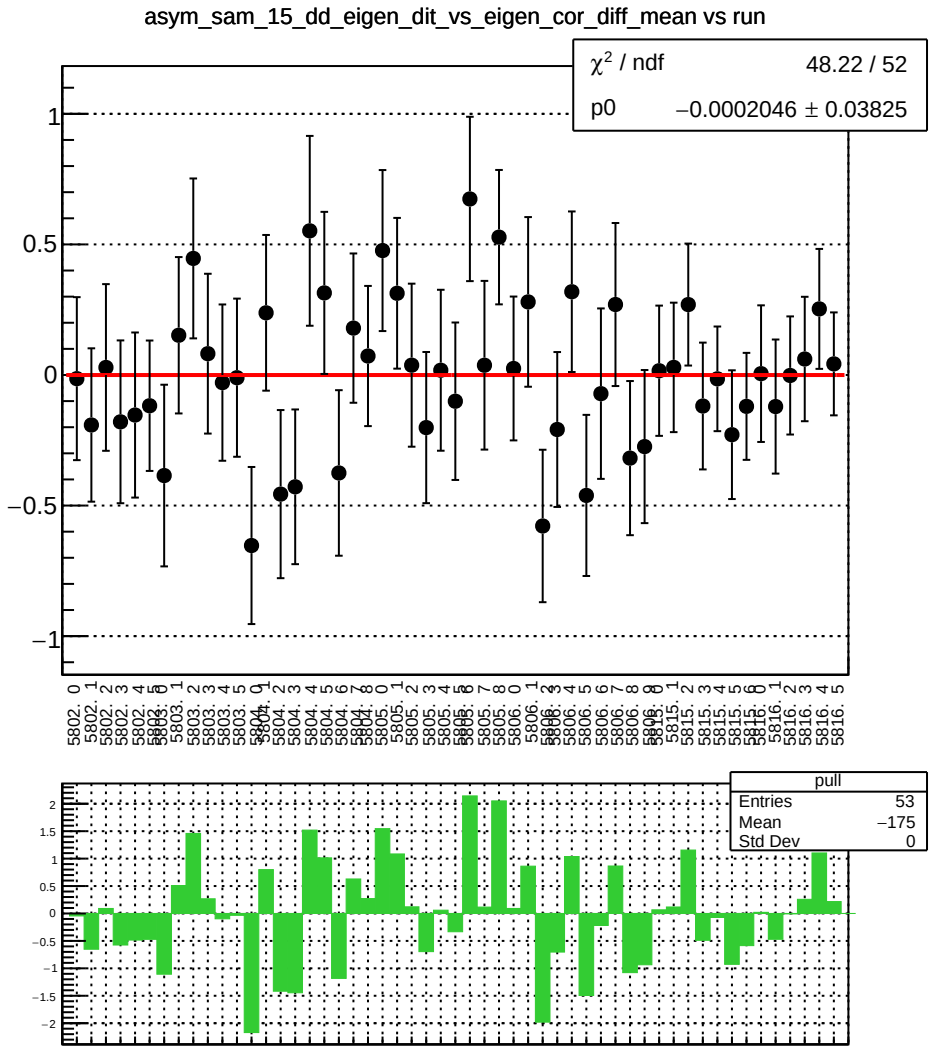
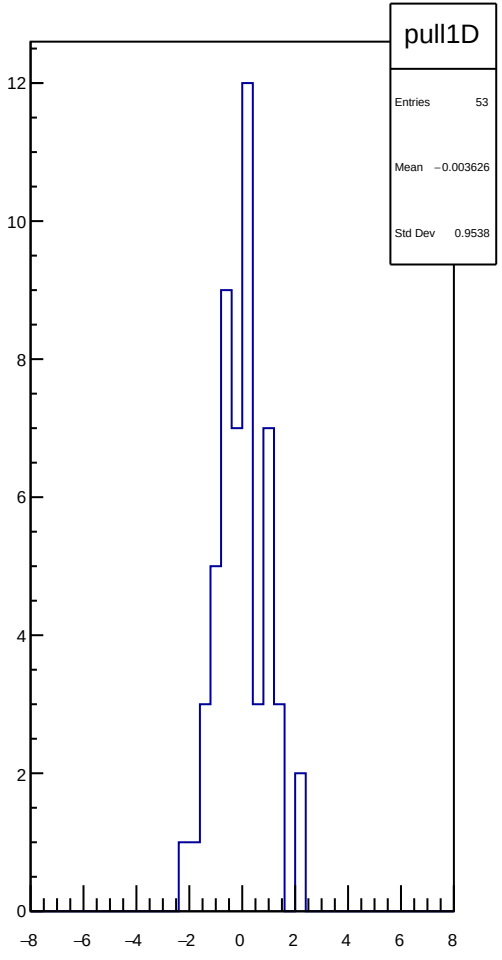
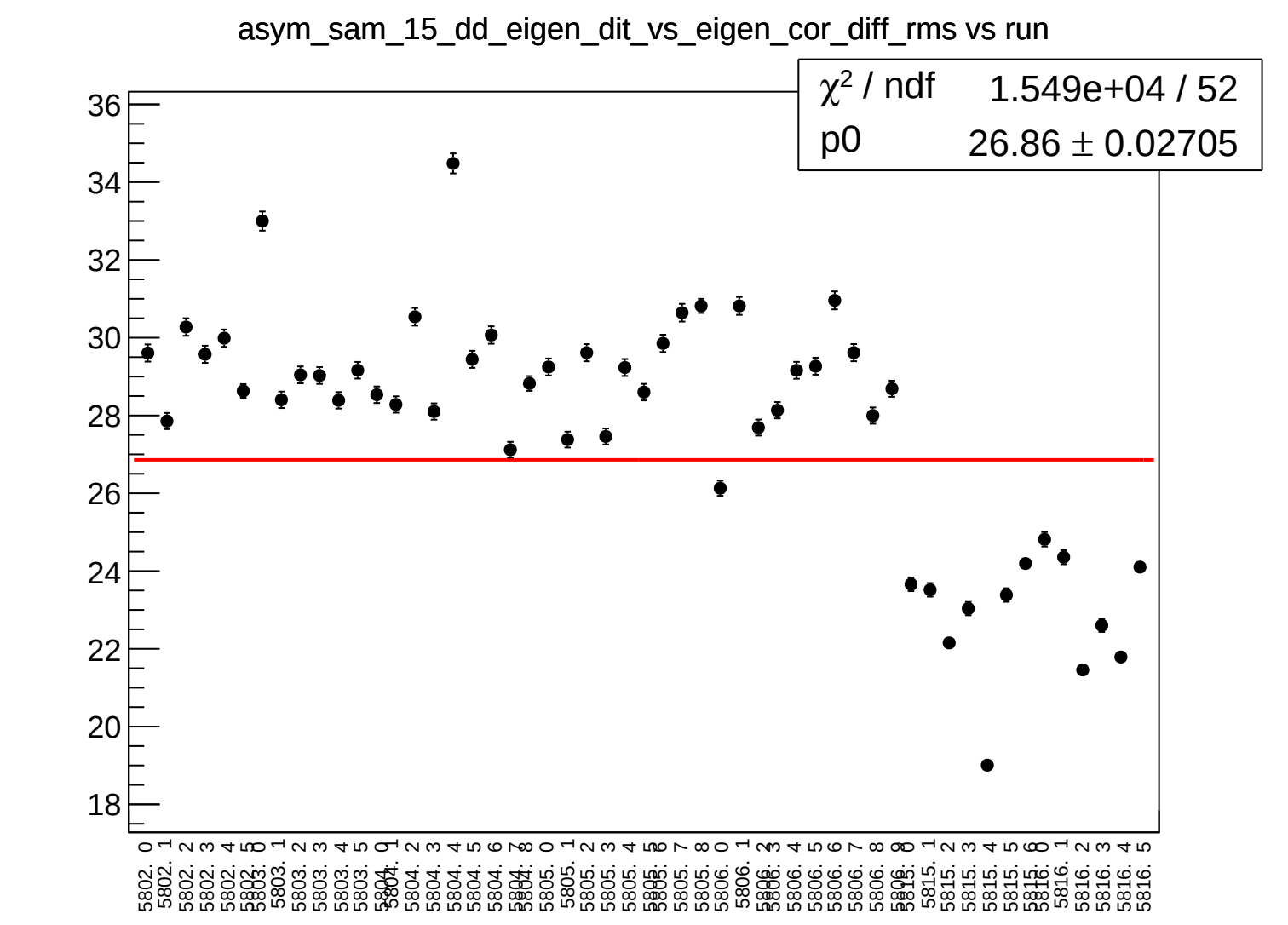
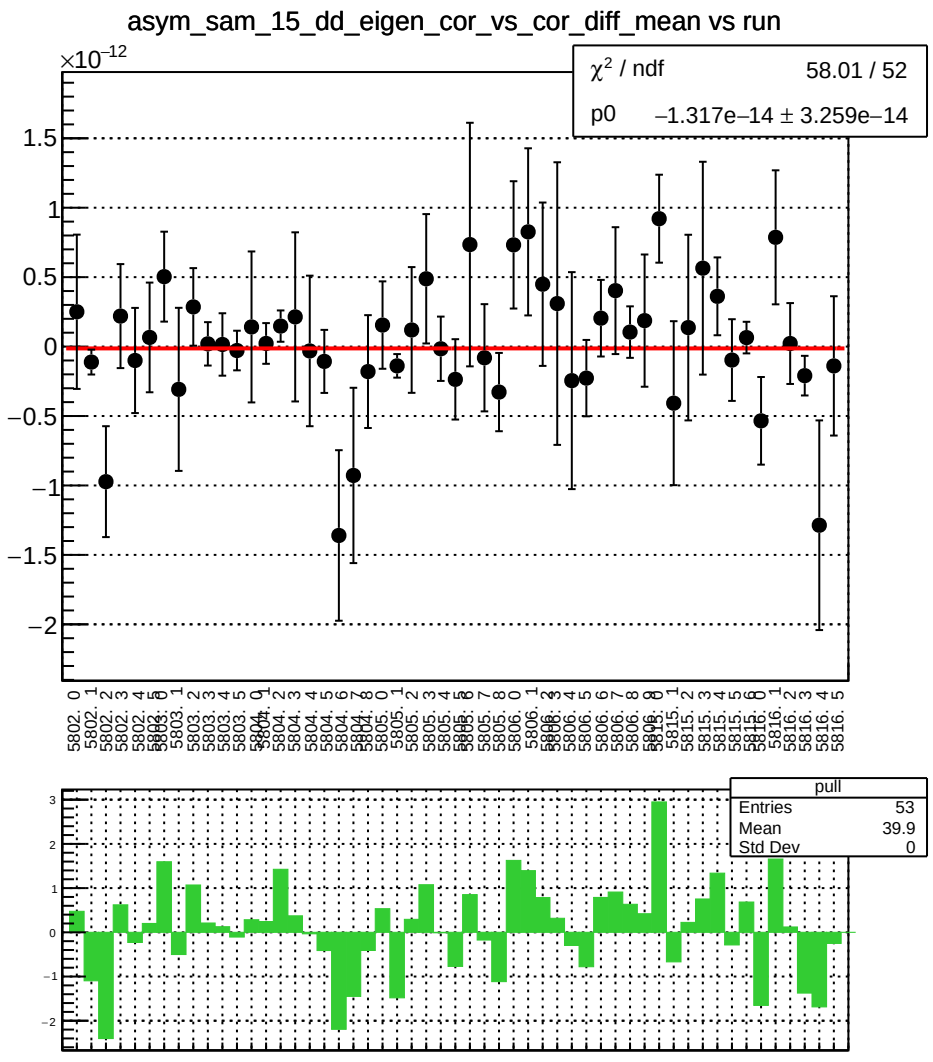
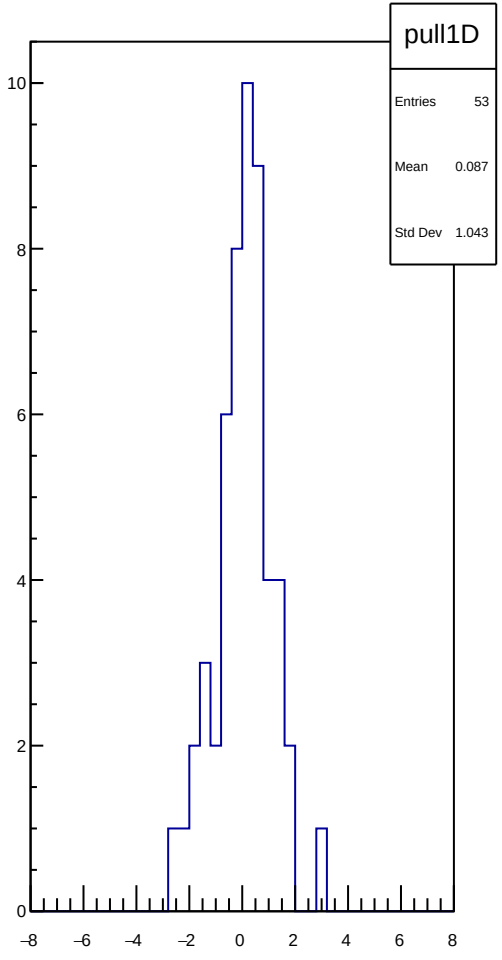
5816. 4
5816. 5

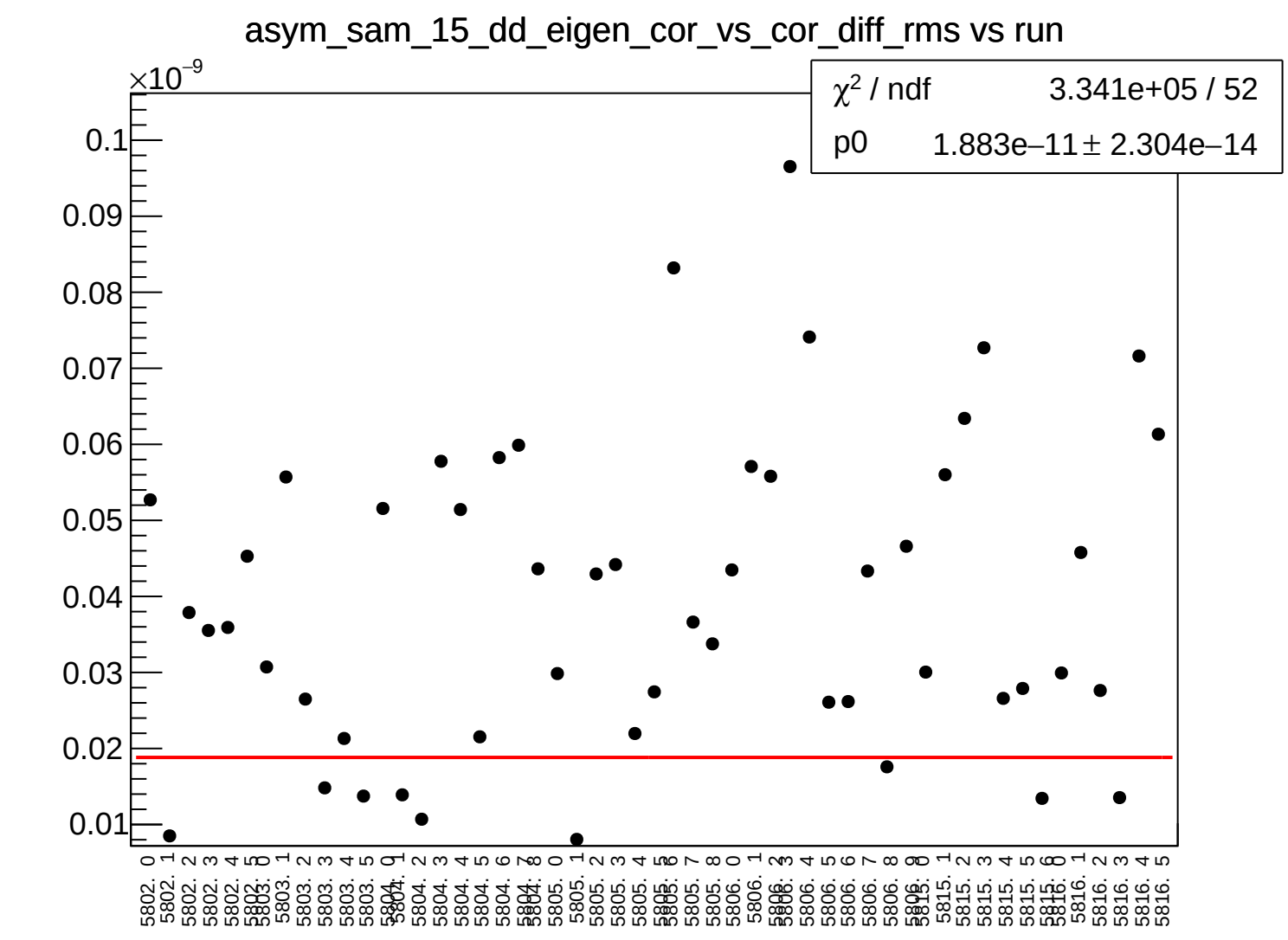

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.22 / 52
p0 −0.0002046 ± 0.03825
pull
Entries 53
Mean −175
Std Dev 0

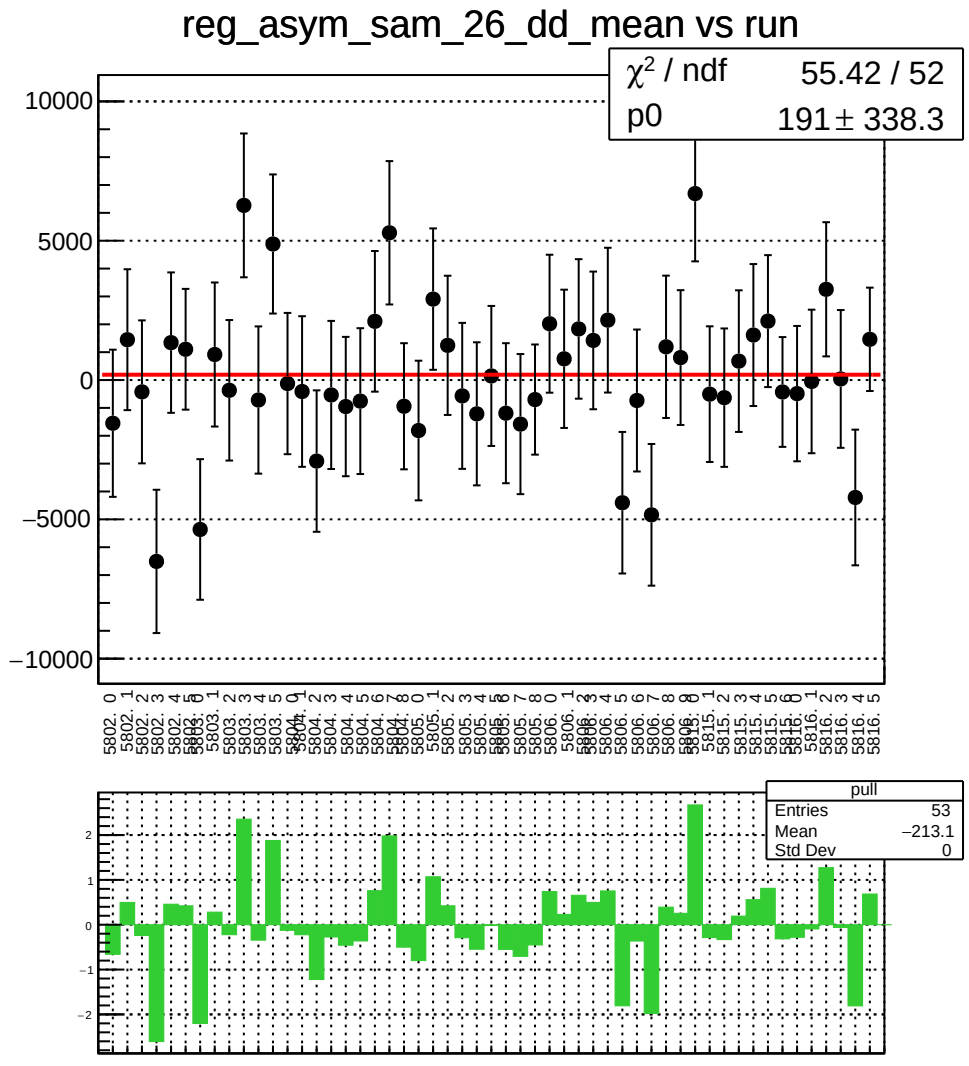

pull1D
Entries 53
Mean −0.003626
Std Dev 0.9538

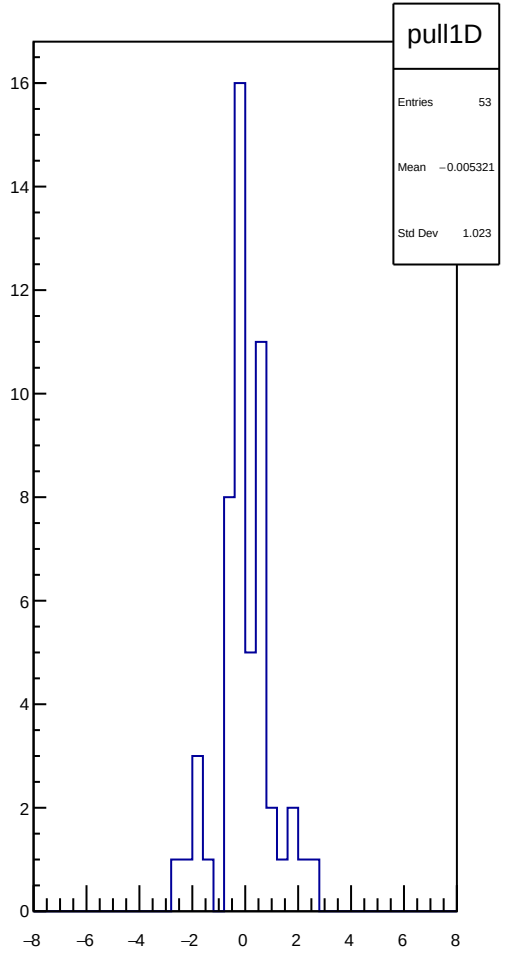

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.549e+04 / 52
p0 26.86 ± 0.02705
36
34
32
30
28
26
24
22
20
18
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

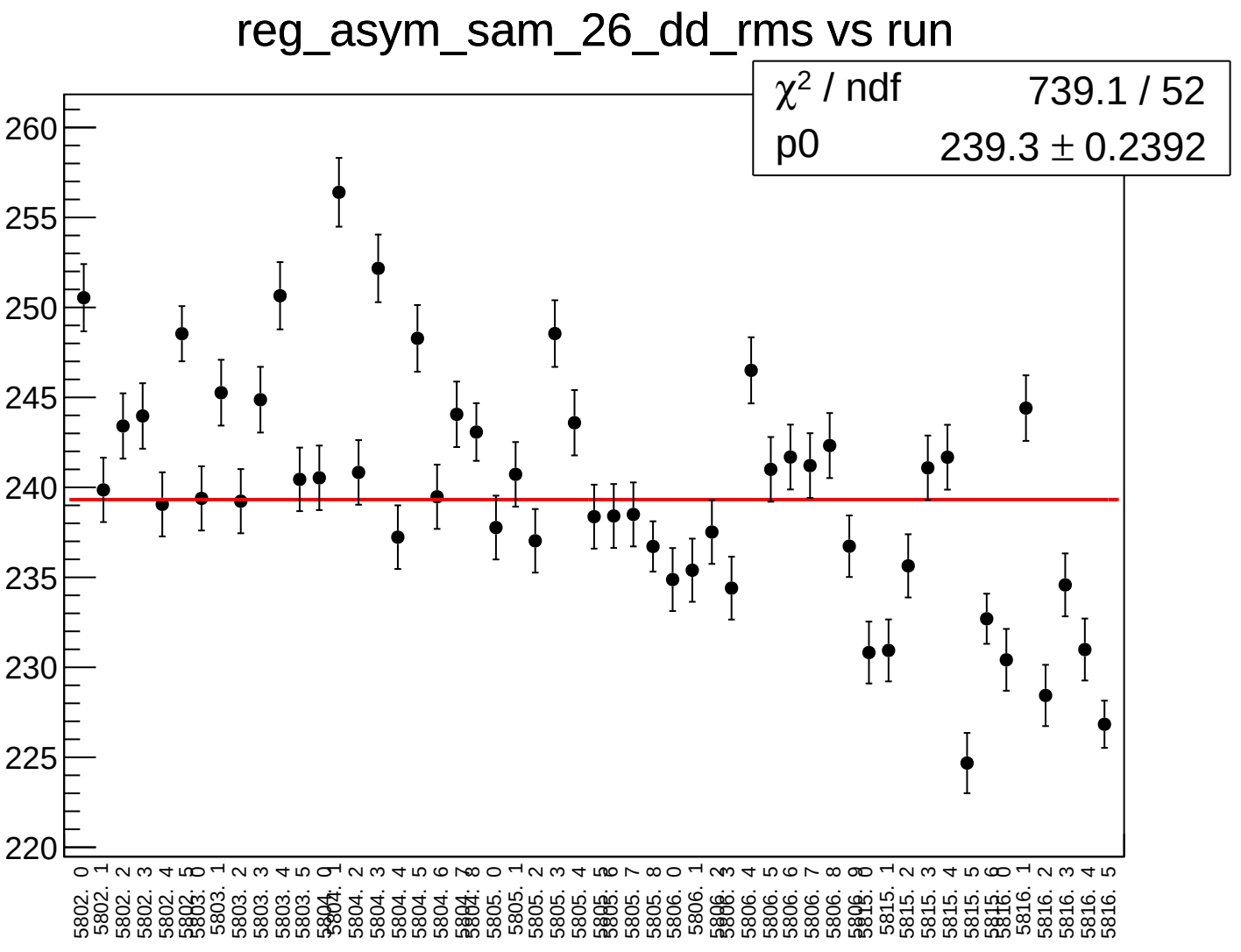

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.01 / 52
p0 −1.317e−14 ± 3.259e−14
pull
Entries 53
Mean 39.9
Std Dev 0

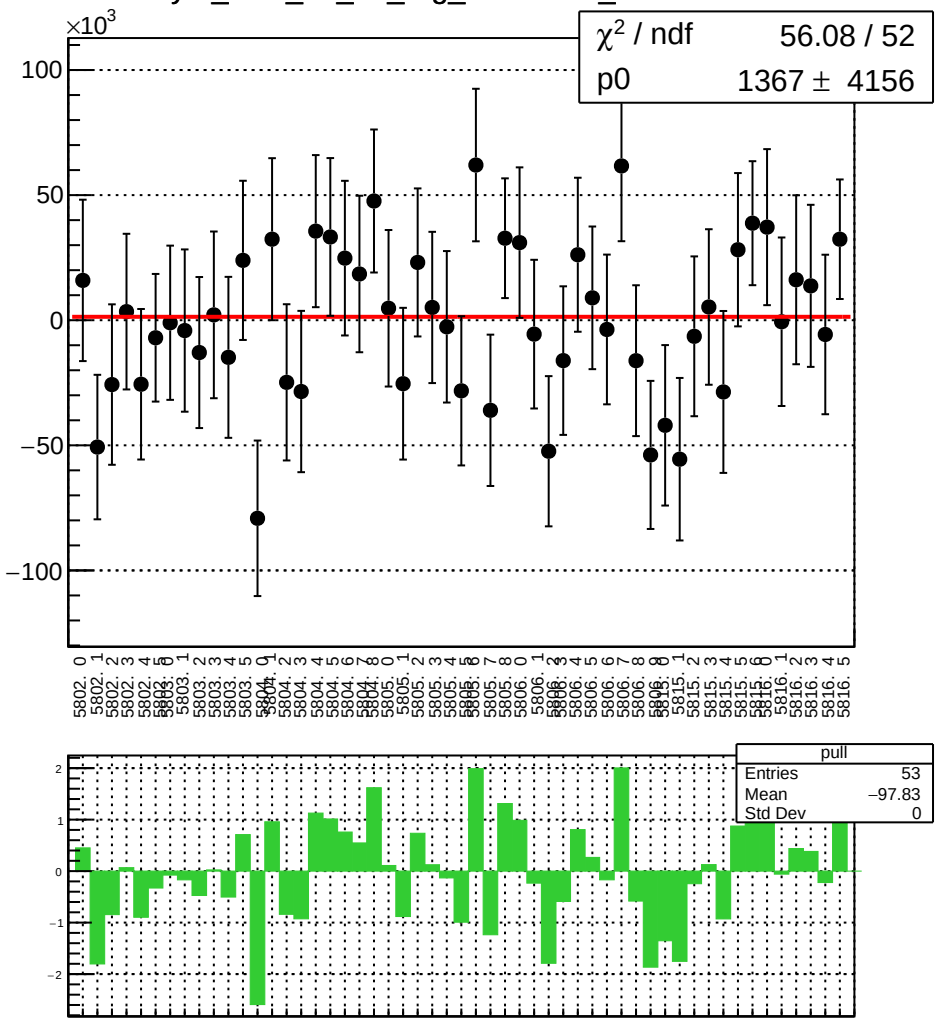

pull1D
Entries 53
Mean 0.087
Std Dev 1.043

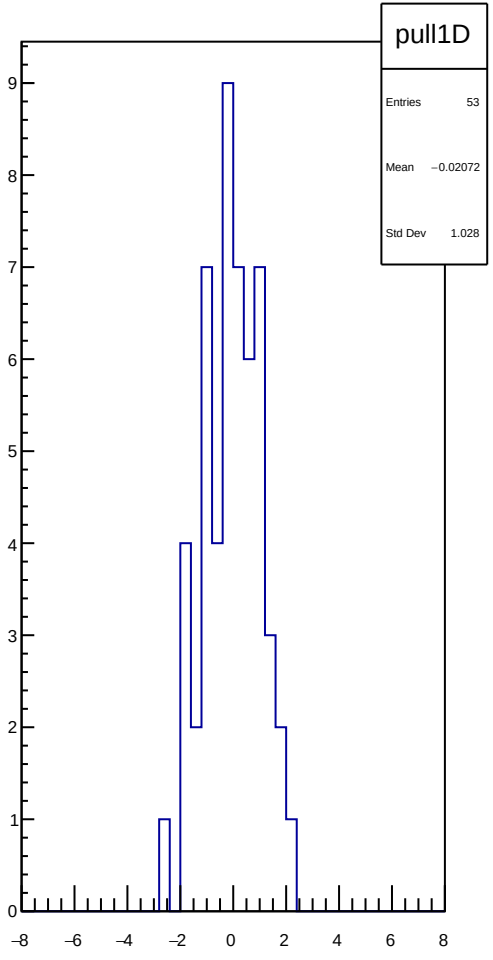

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.341e+05 / 52
p0 1.883e−11 ± 2.304e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

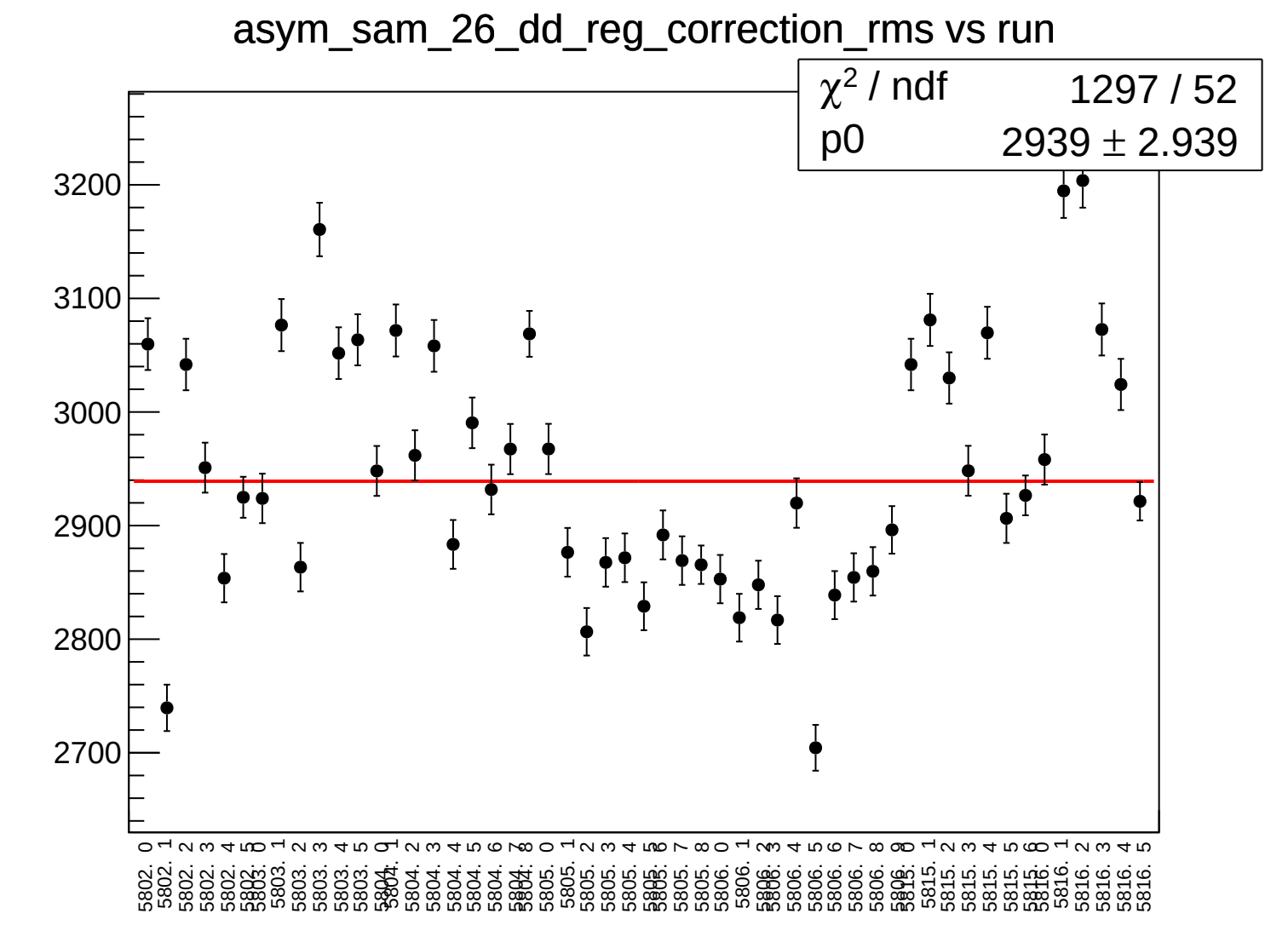

reg_asym_sam_26_dd_mean vs run
χ² / ndf 55.42 / 52
p0 191 ± 338.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −213.1
Std Dev 0
2
1
0
−1
−2

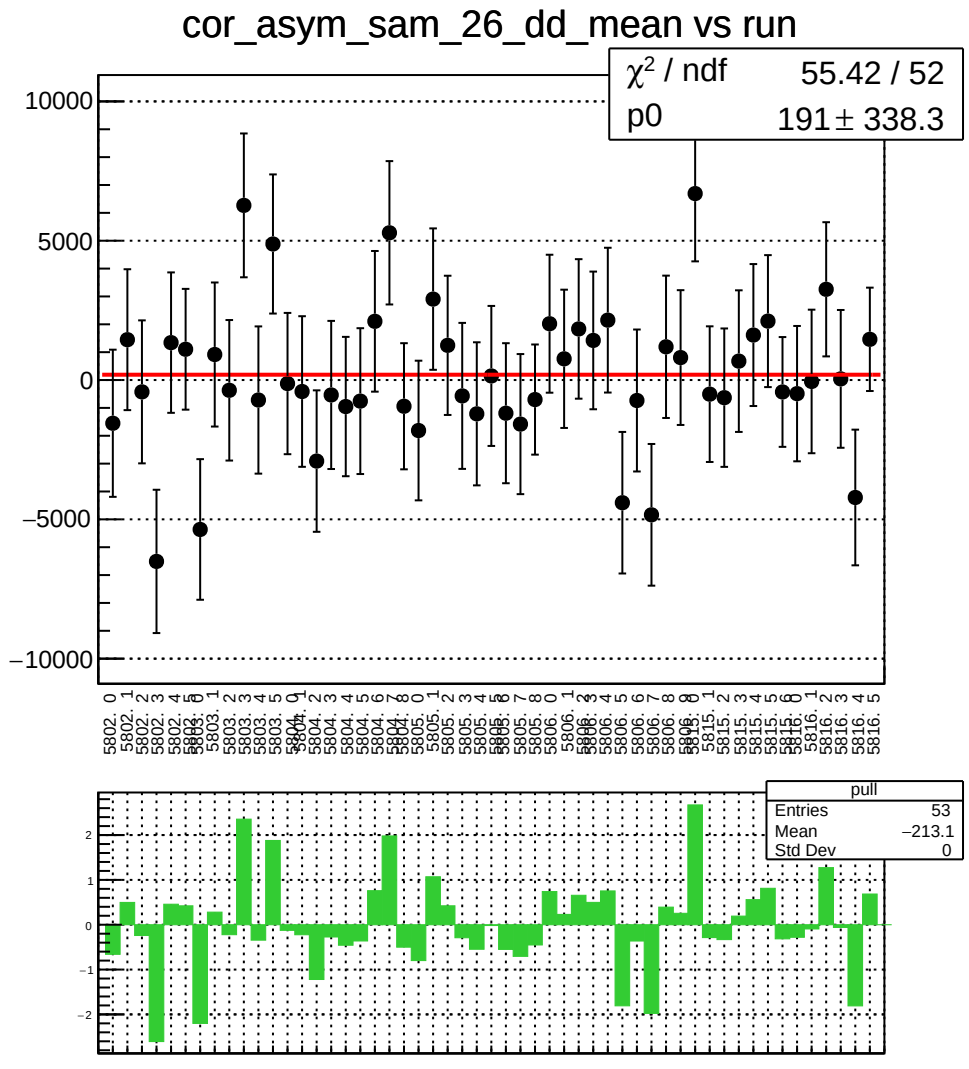

pull1D
Entries 53
Mean −0.005321
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

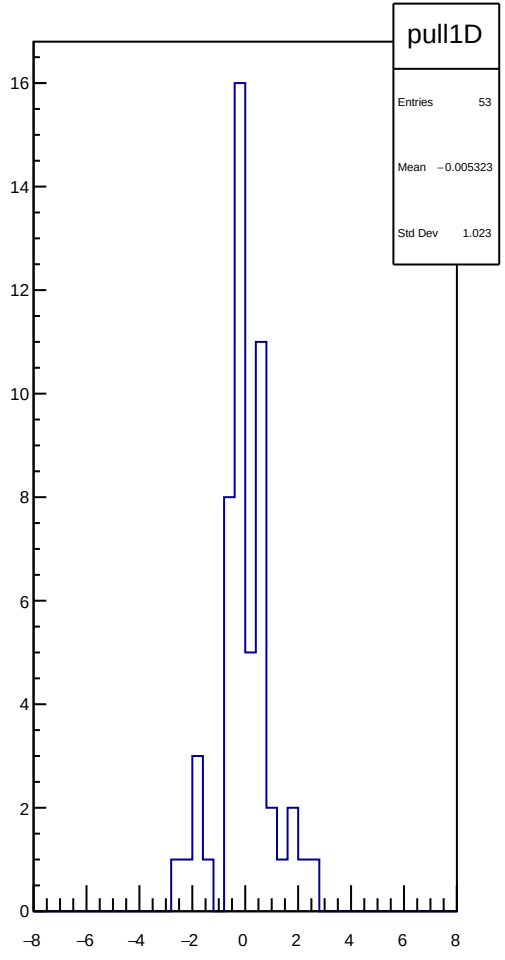

reg_asym_sam_26_dd_rms vs run
χ² / ndf 739.1 / 52
p0 239.3 ± 0.2392
260
255
250
245
240
235
230
225
220

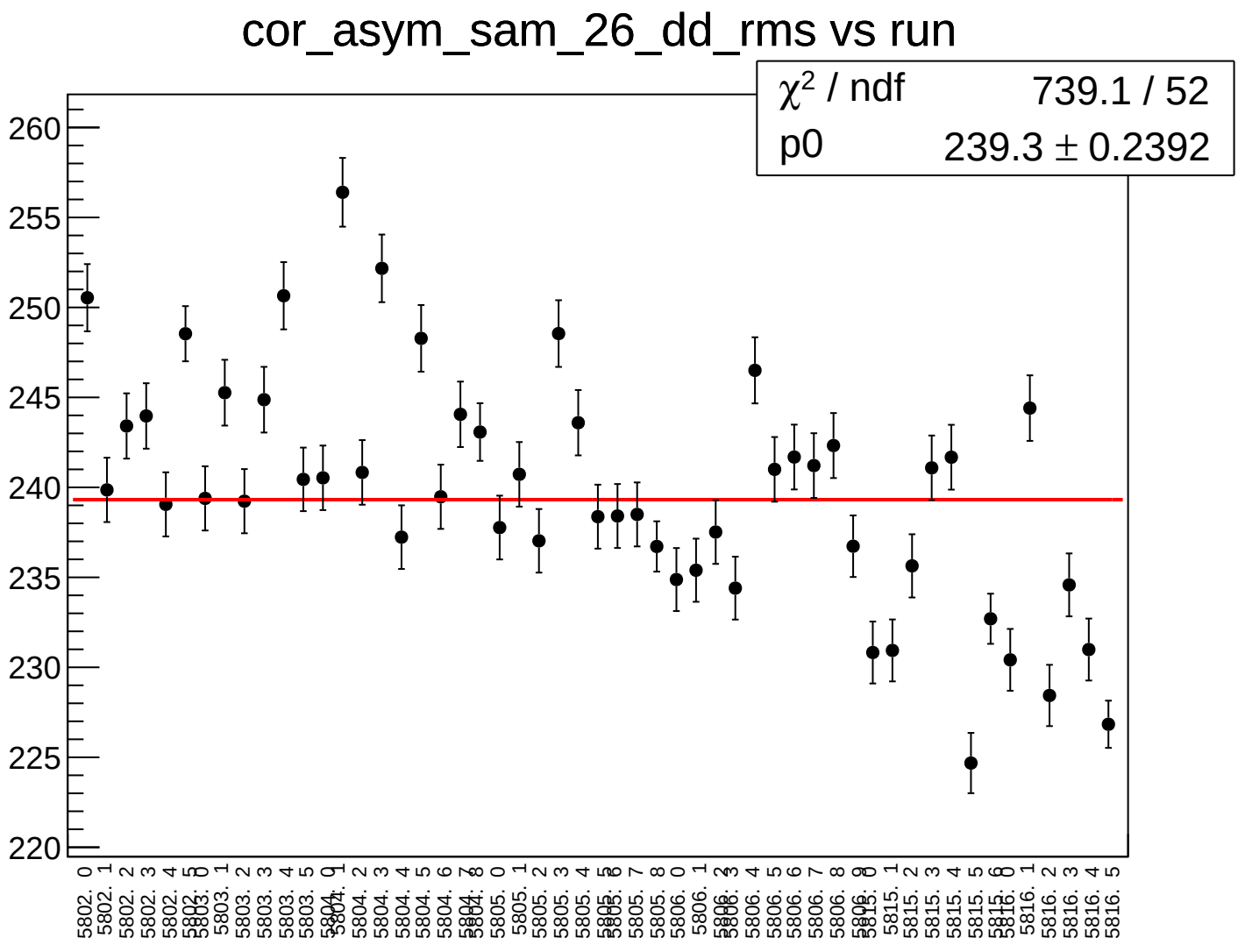

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.08 / 52
p0 1367 ± 4156
100
50
0
−50
−100
pull
Entries 53
Mean −97.83
Std Dev 0
2
1
0
−1
−2

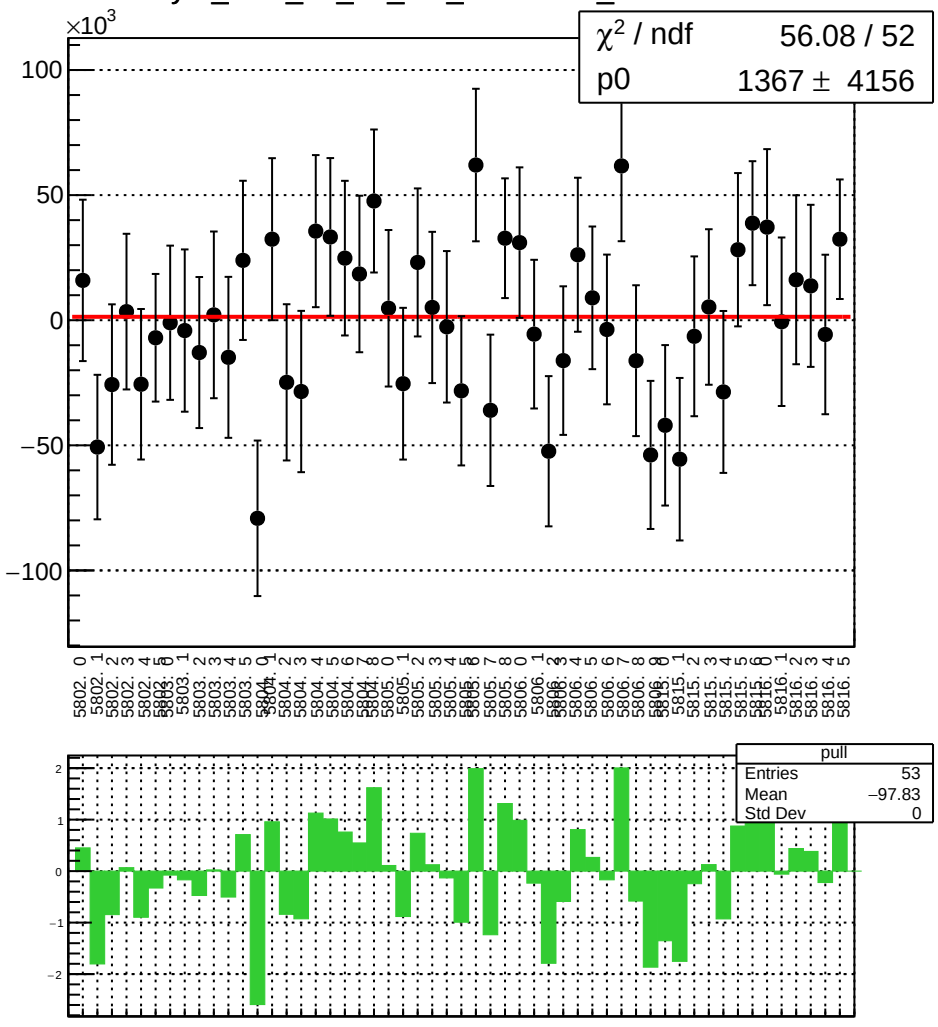

pull1D
Entries 53
Mean −0.02072
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

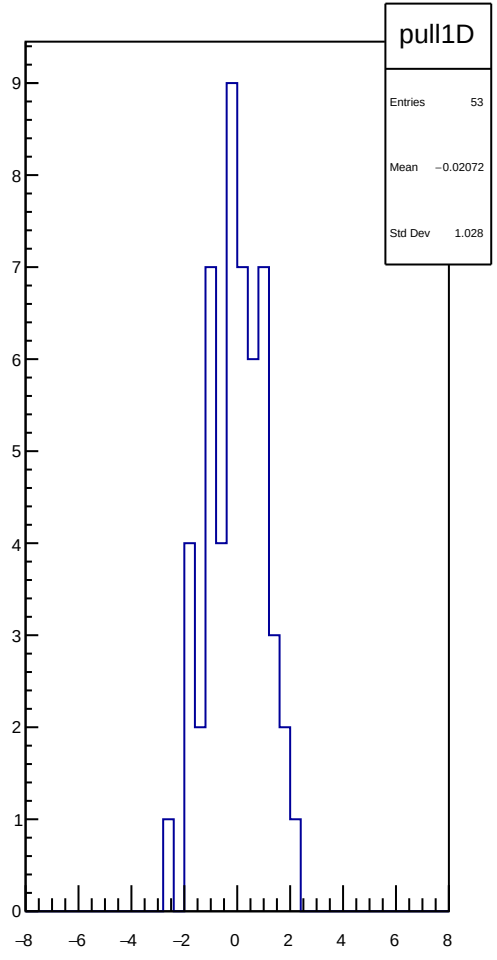

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 1297 / 52
p0 2939 ± 2.939
3200
3100
3000
2900
2800
2700

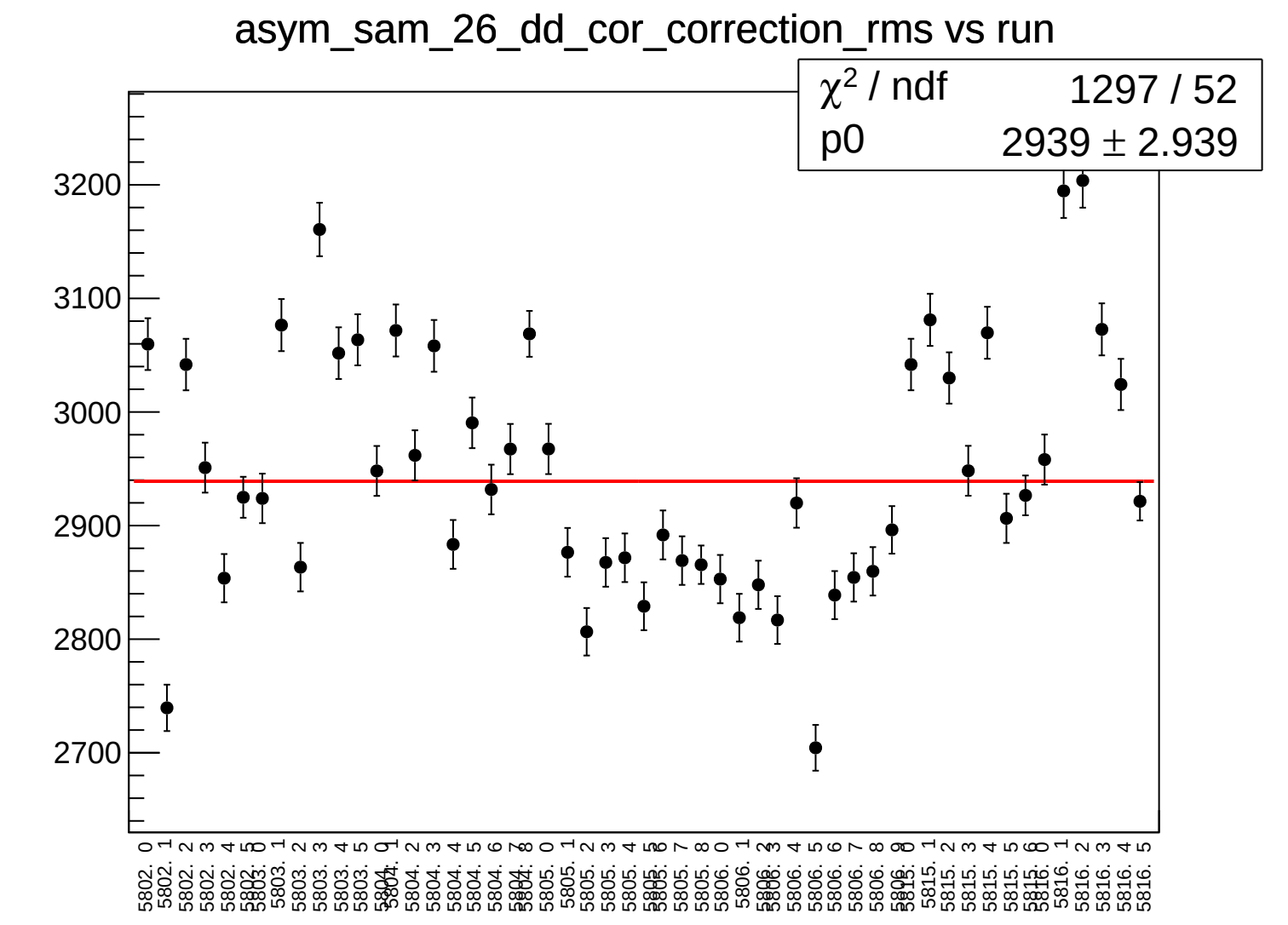

cor_asym_sam_26_dd_mean vs run
χ² / ndf 55.42 / 52
p0 191 ± 338.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −213.1
Std Dev 0
2
1
0
−1
−2

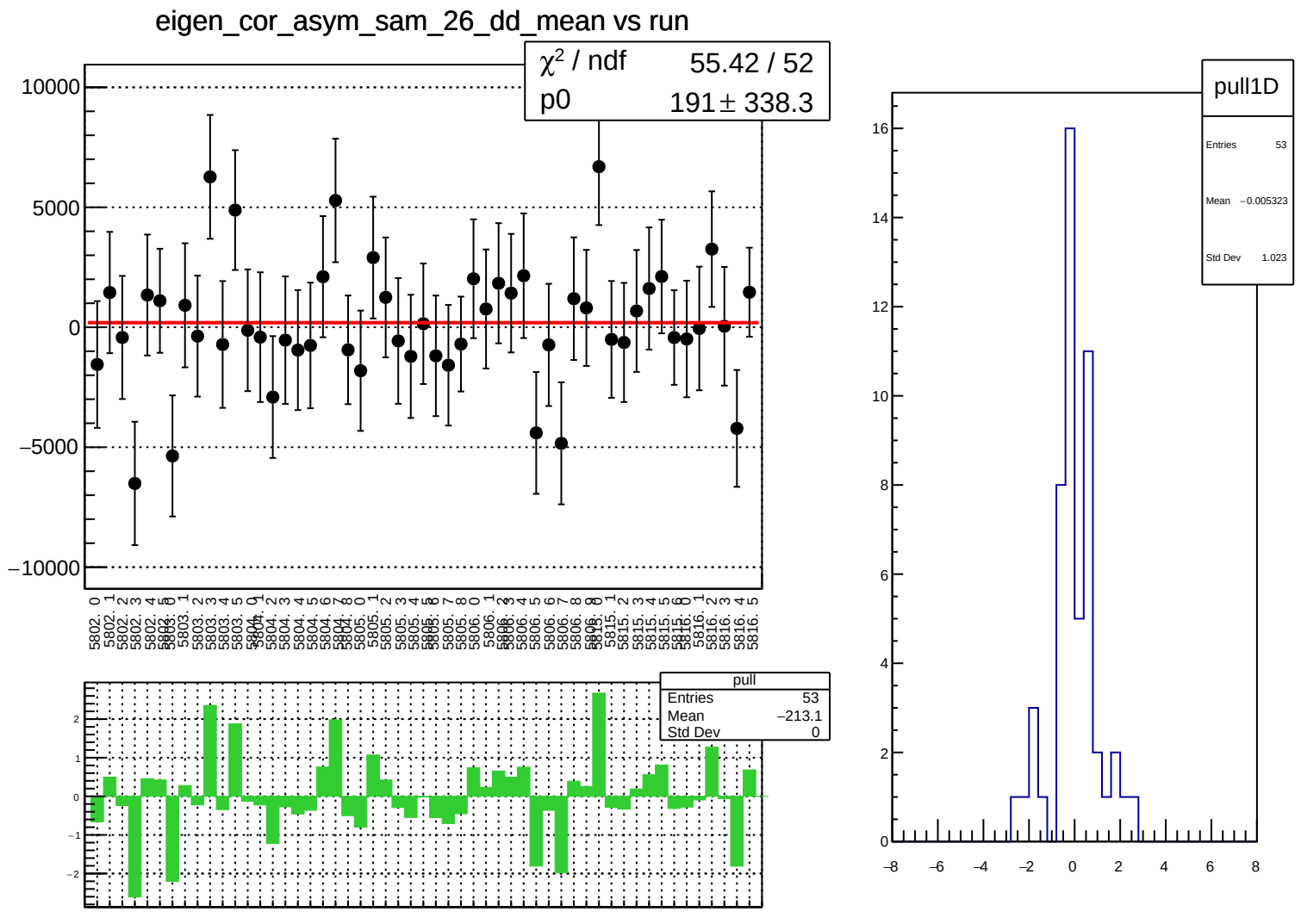

pull1D
Entries 53
Mean −0.005323
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

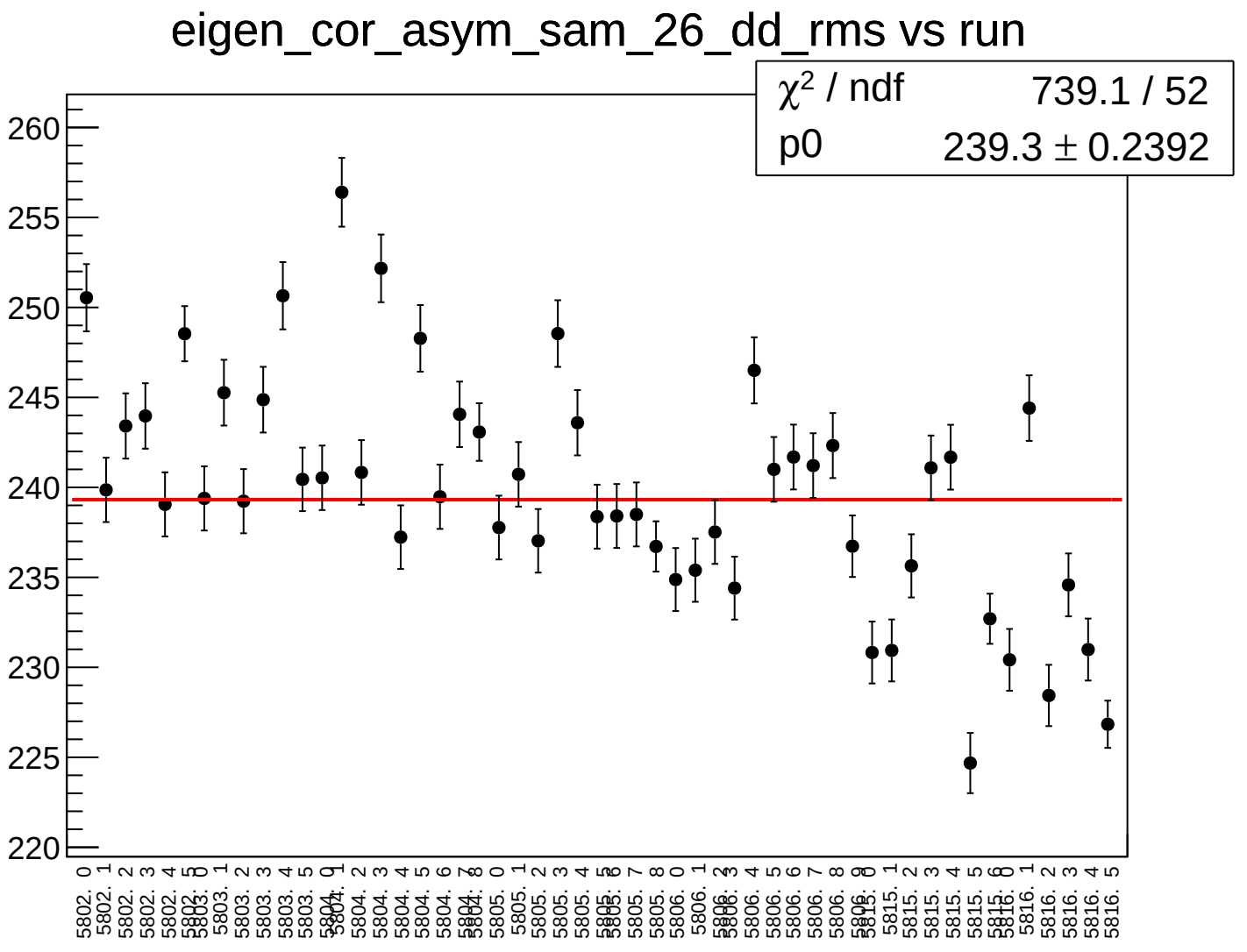

cor_asym_sam_26_dd_rms vs run
χ² / ndf 739.1 / 52
p0 239.3 ± 0.2392
260
255
250
245
240
235
230
225
220

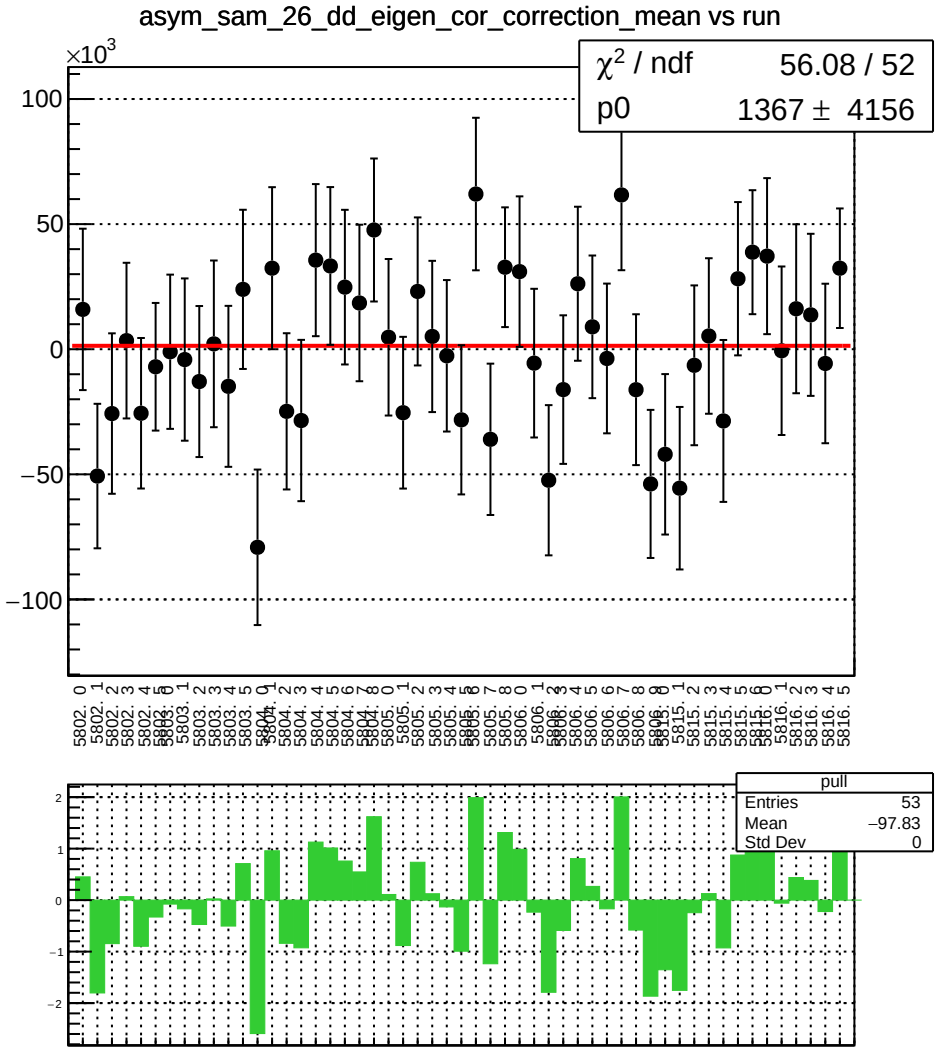

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.08 / 52
p0 1367 ± 4156
100
50
0
−50
−100
pull
Entries 53
Mean −97.83
Std Dev 0
2
1
0
−1
−2

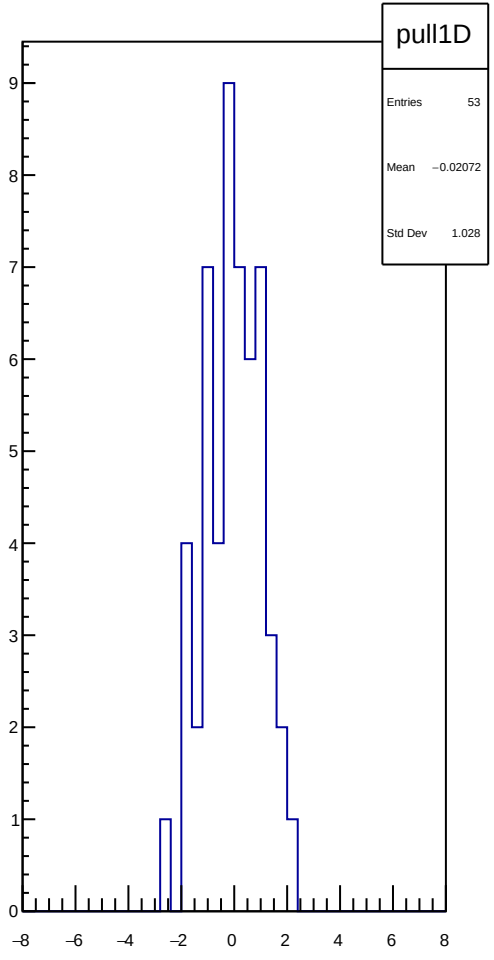

pull1D
Entries 53
Mean −0.02072
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

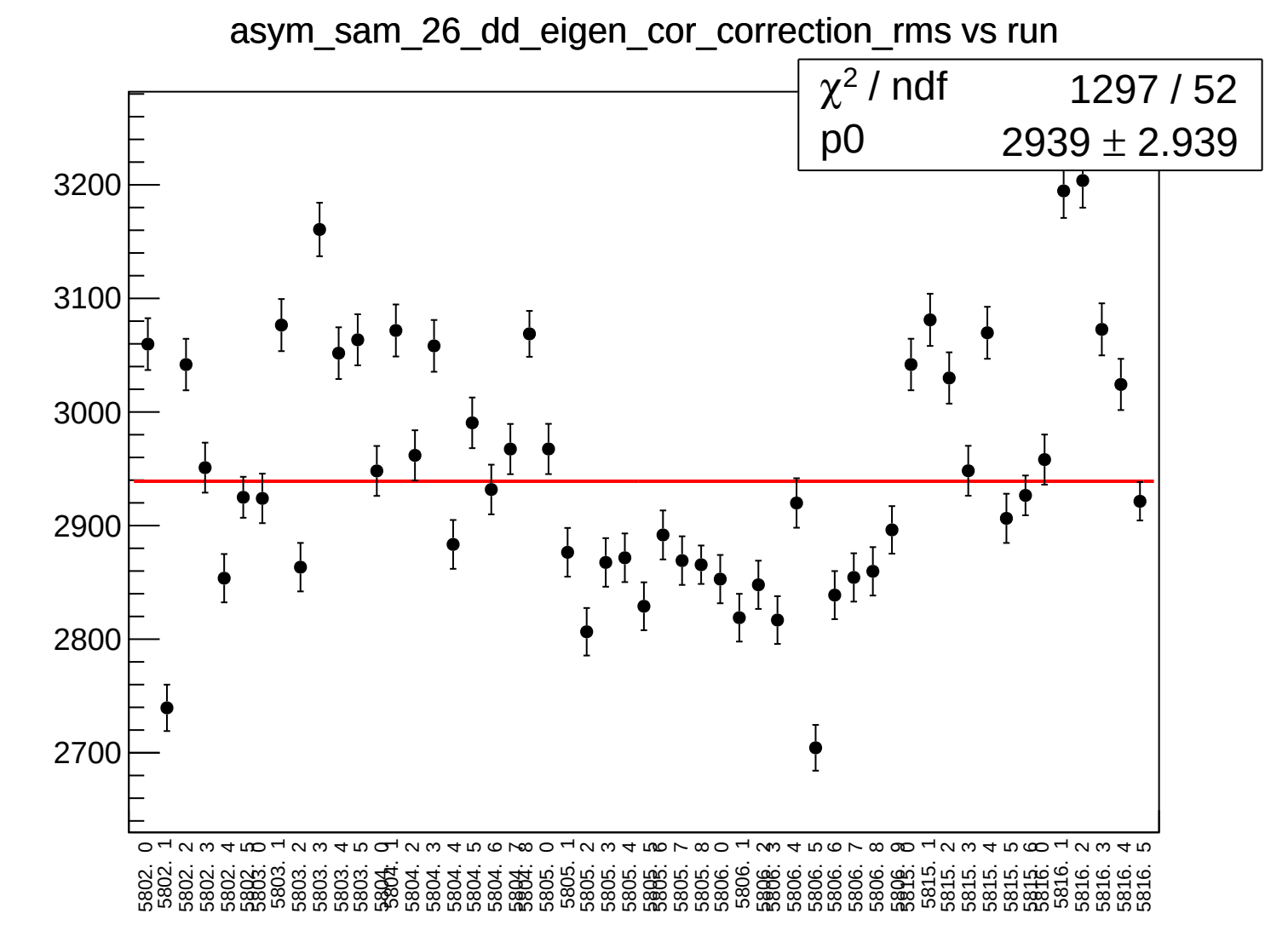

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 1297 / 52
p0 2939 ± 2.939
3200
3100
3000
2900
2800
2700

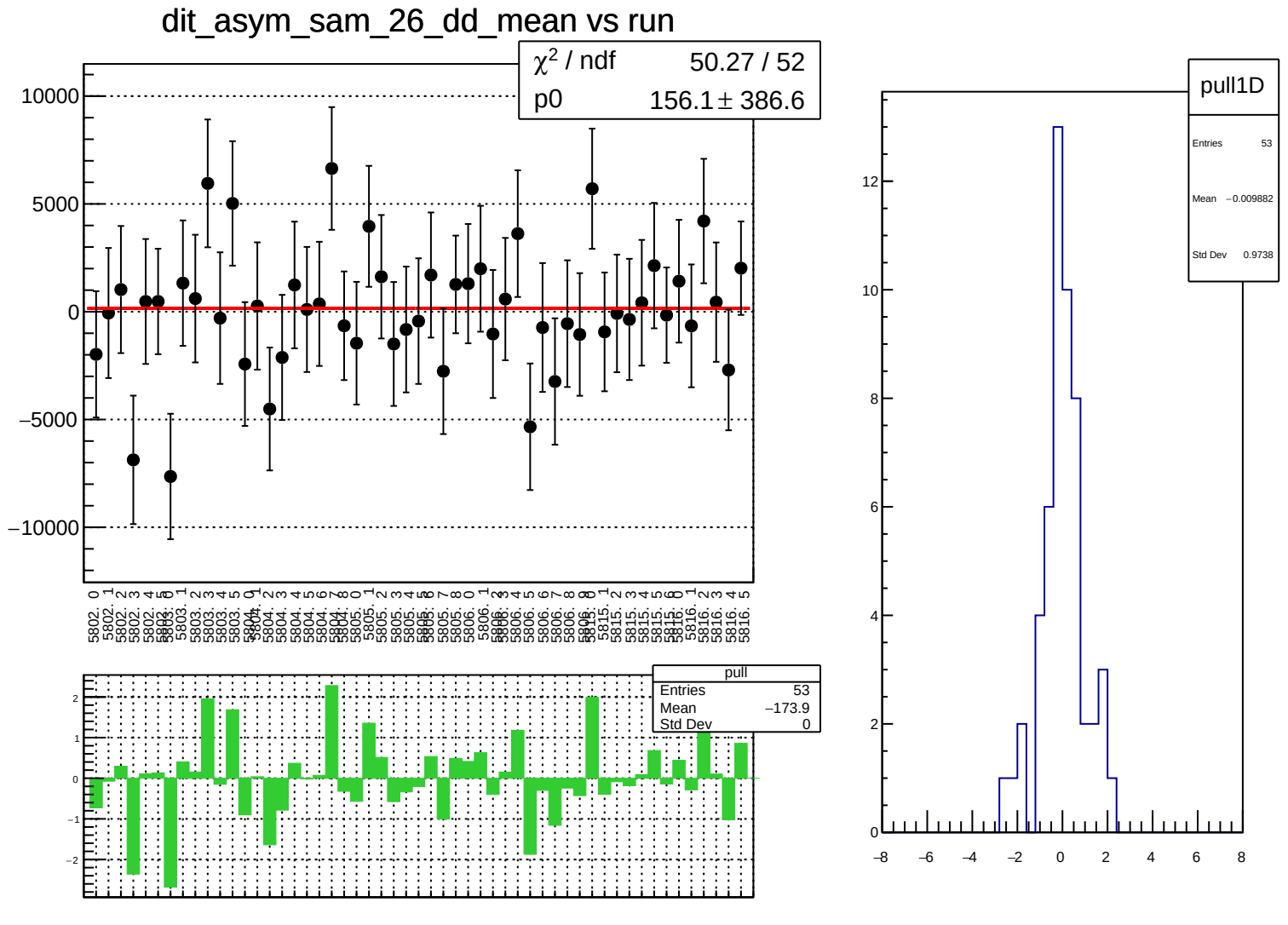

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 55.42 / 52
p0 191 ± 338.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −213.1
Std Dev 0
pull1D
Entries 53
Mean −0.005323
Std Dev 1.023

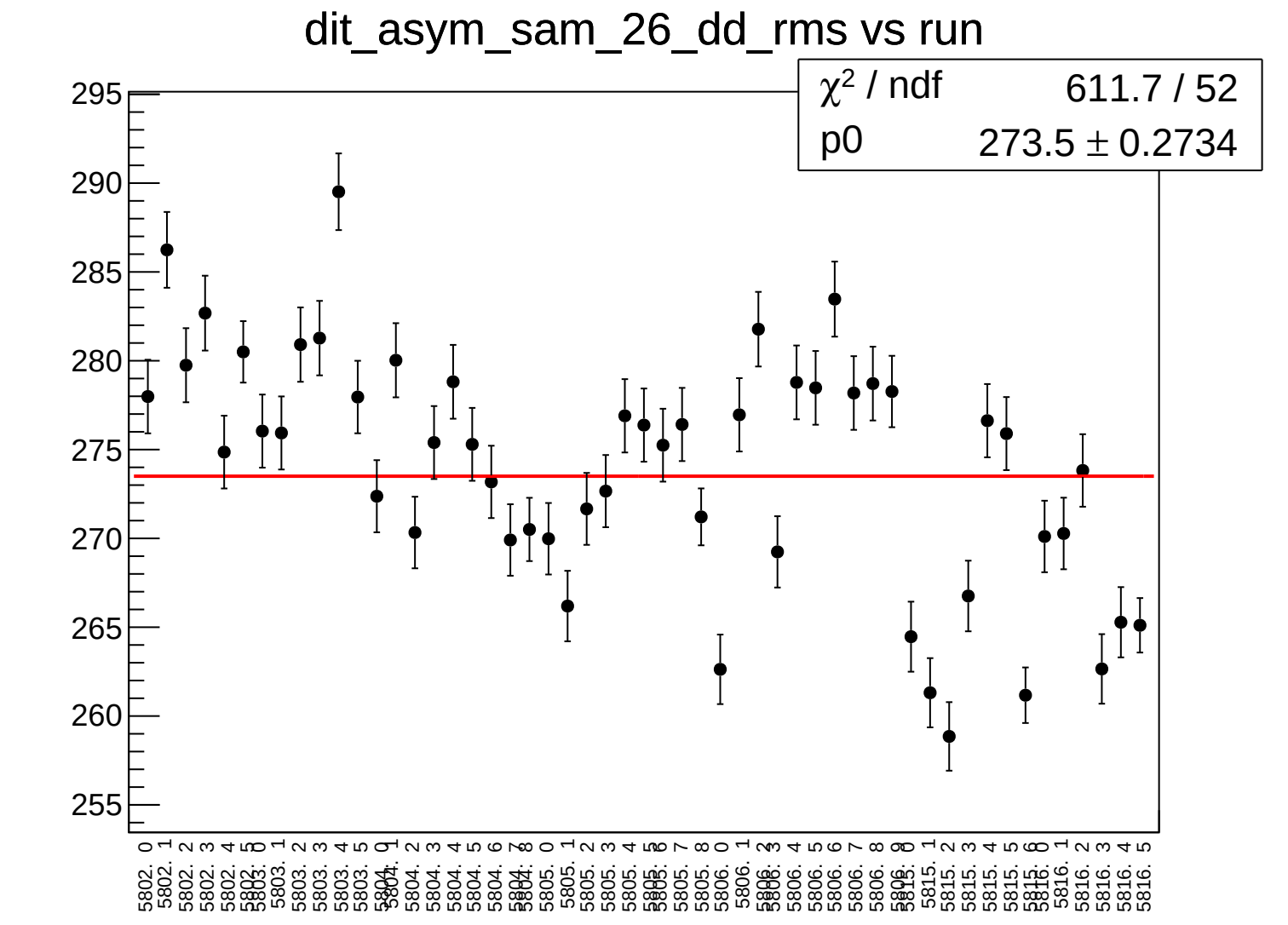

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 739.1 / 52
p0 239.3 ± 0.2392
260
255
250
245
240
235
230
225
220

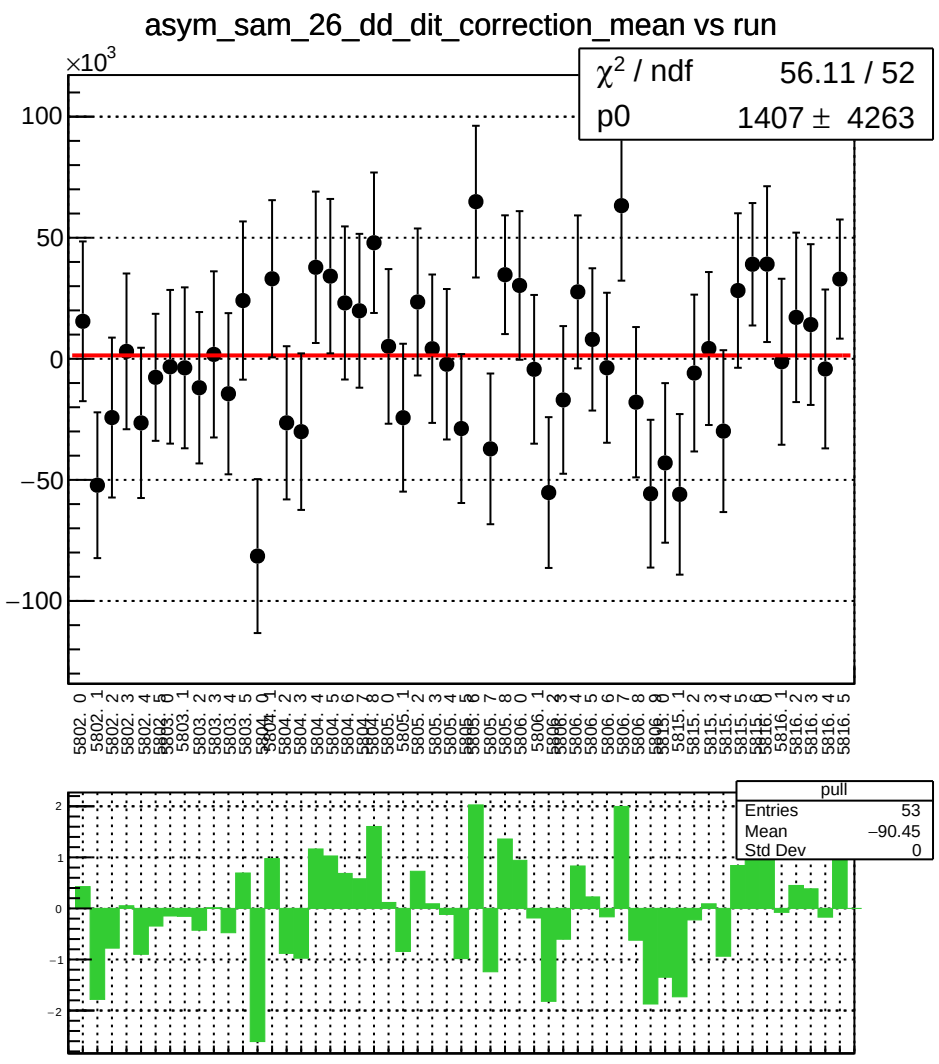

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 56.08 / 52
p0 1367 ± 4156
100
50
0
−50
−100
pull
Entries 53
Mean −97.83
Std Dev 0
2
1
0
−1
−2

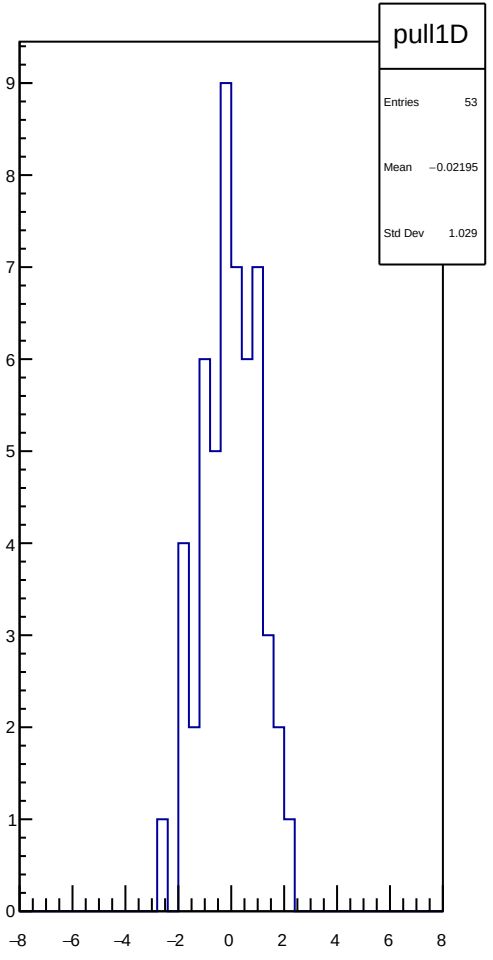

pull1D
Entries 53
Mean −0.02072
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

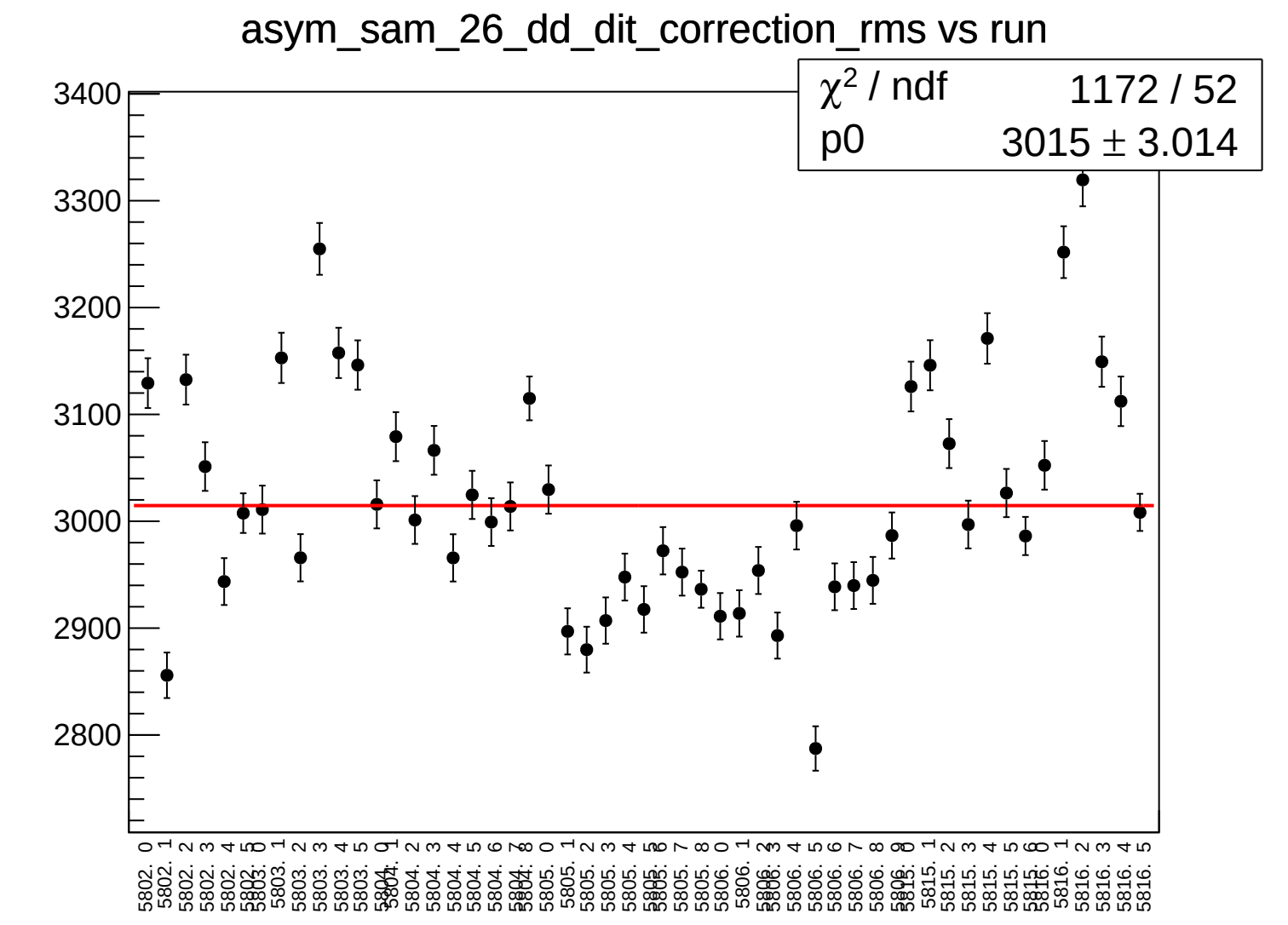

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1297 / 52
p0 2939 ± 2.939
3200
3100
3000
2900
2800
2700

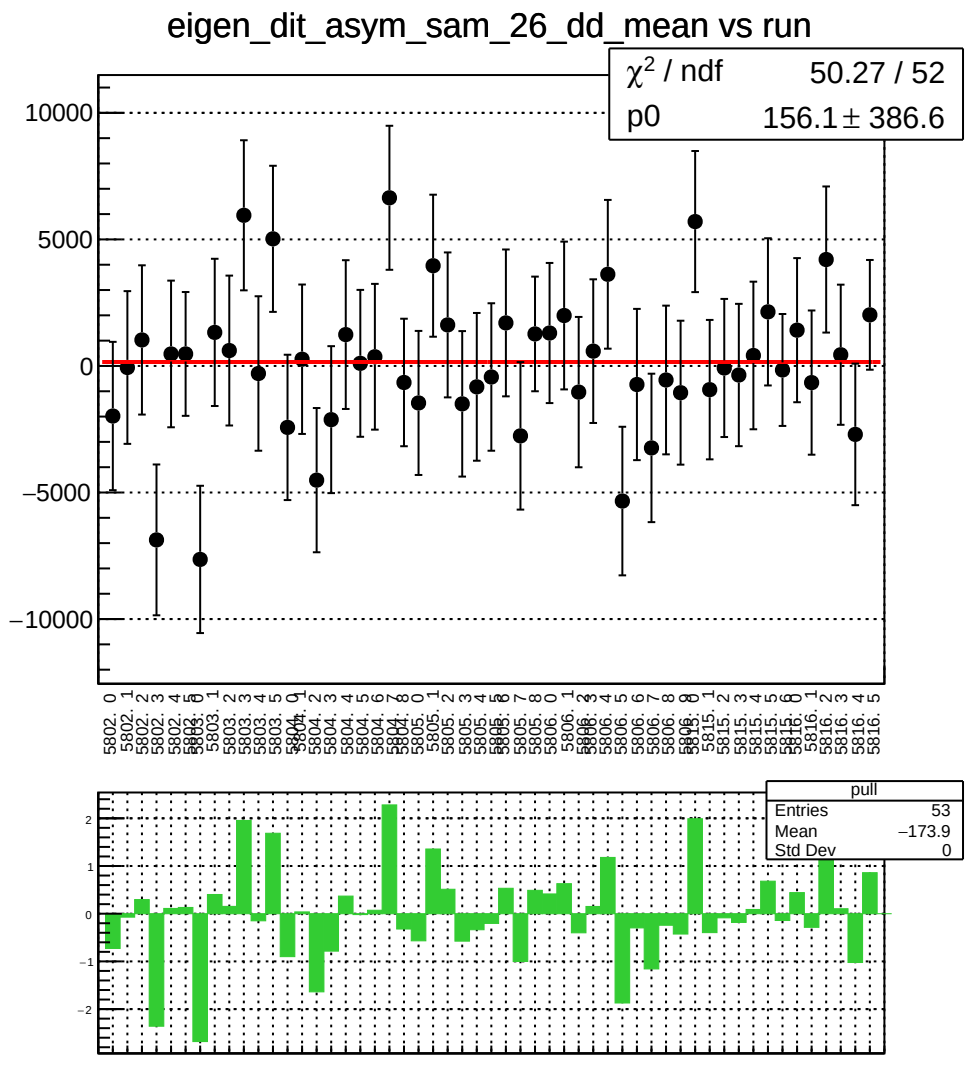

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 50.27 / 52
p0 156.1 ± 386.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −173.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 53
Mean −0.009882
Std Dev 0.9738
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

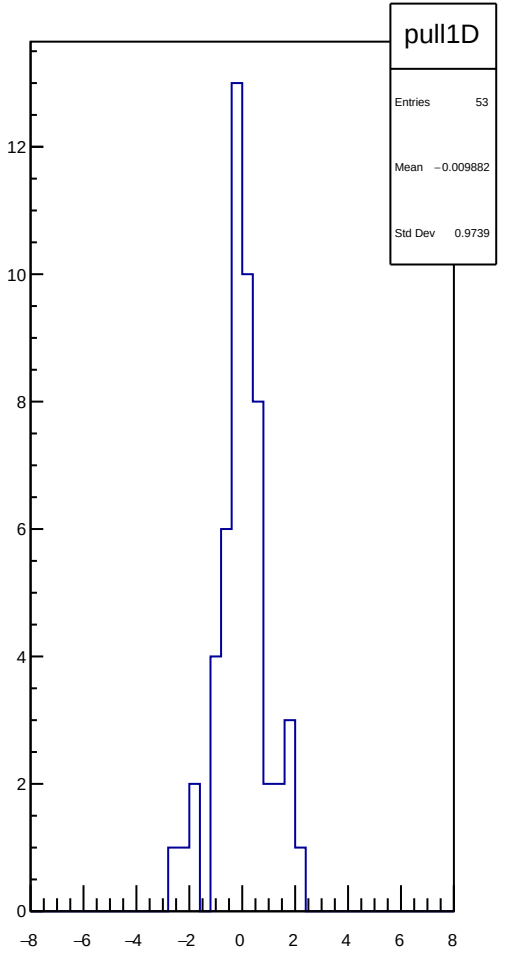

dit_asym_sam_26_dd_rms vs run
χ² / ndf 611.7 / 52
p0 273.5 ± 0.2734
295
290
285
280
275
270
265
260
255

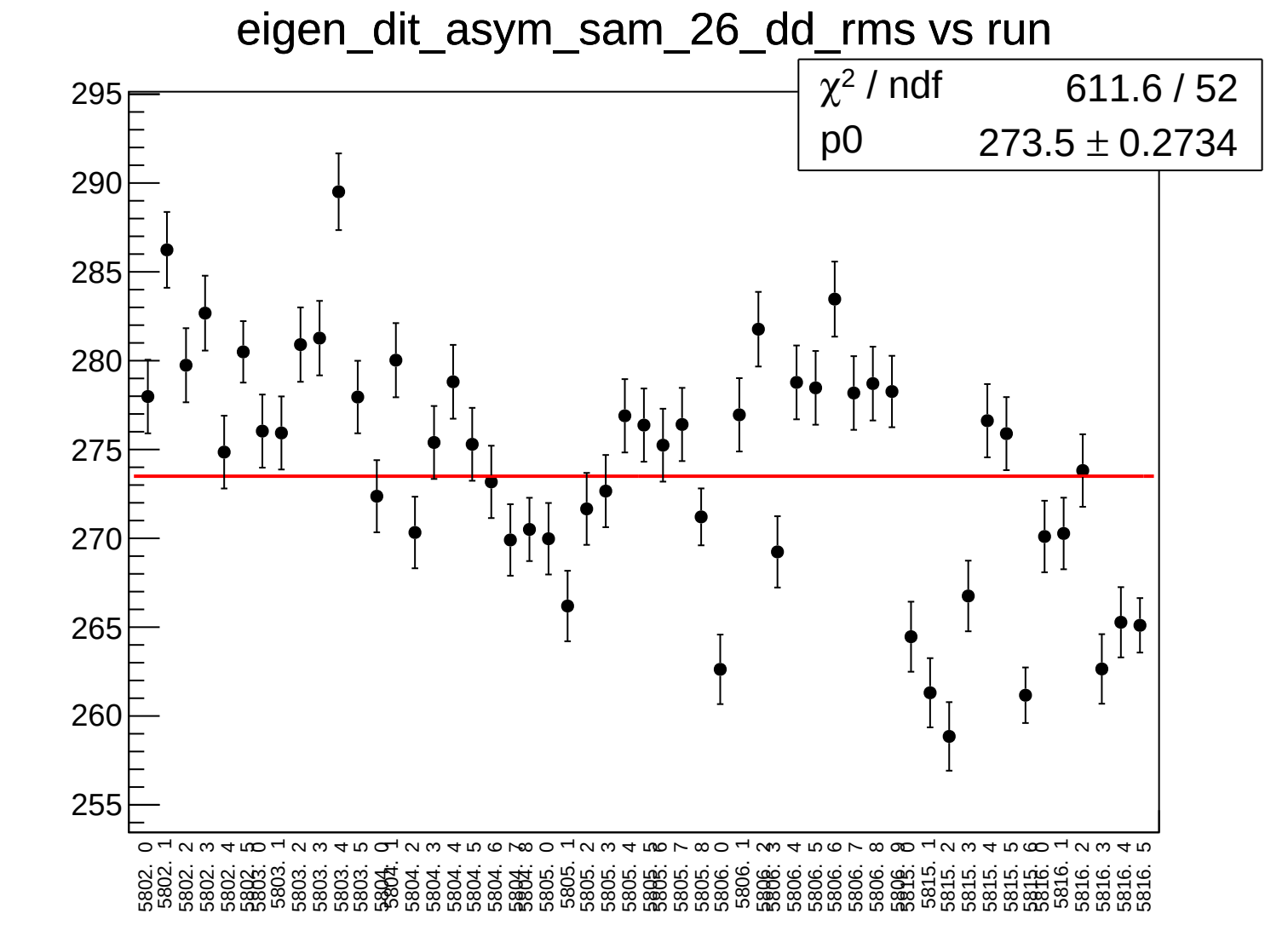

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 56.11 / 52
p0 1407 ± 4263
100
50
0
−50
−100
pull
Entries 53
Mean −90.45
Std Dev 0
2
1
0
−1
−2

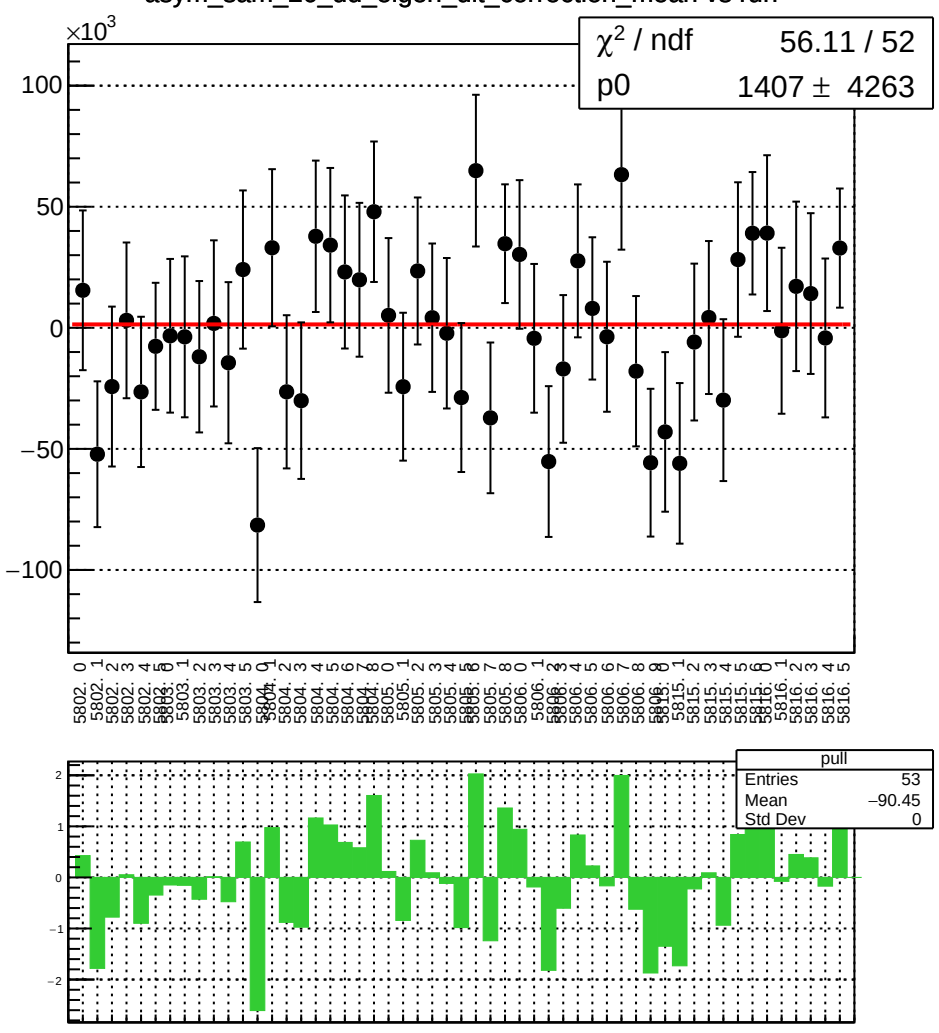

pull1D
Entries 53
Mean −0.02195
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

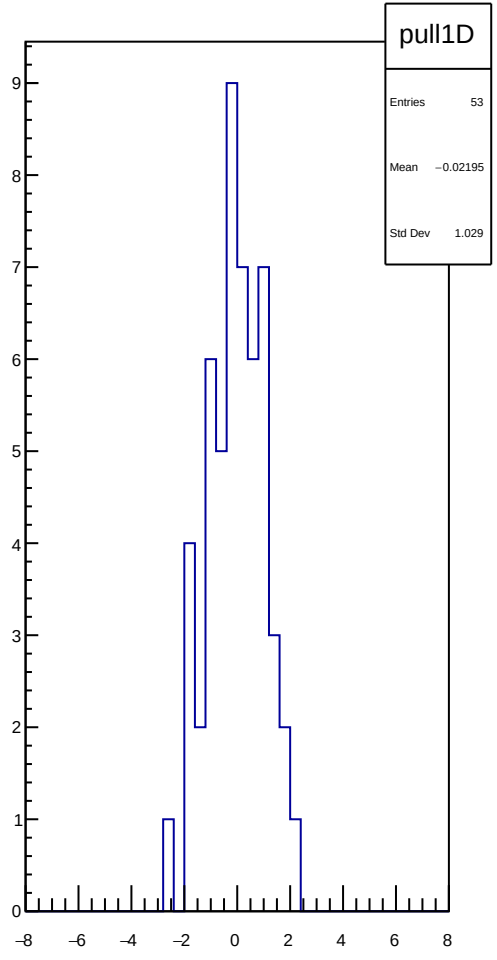

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 1172 / 52
p0 3015 ± 3.014
3400
3300
3200
3100
3000
2900
2800

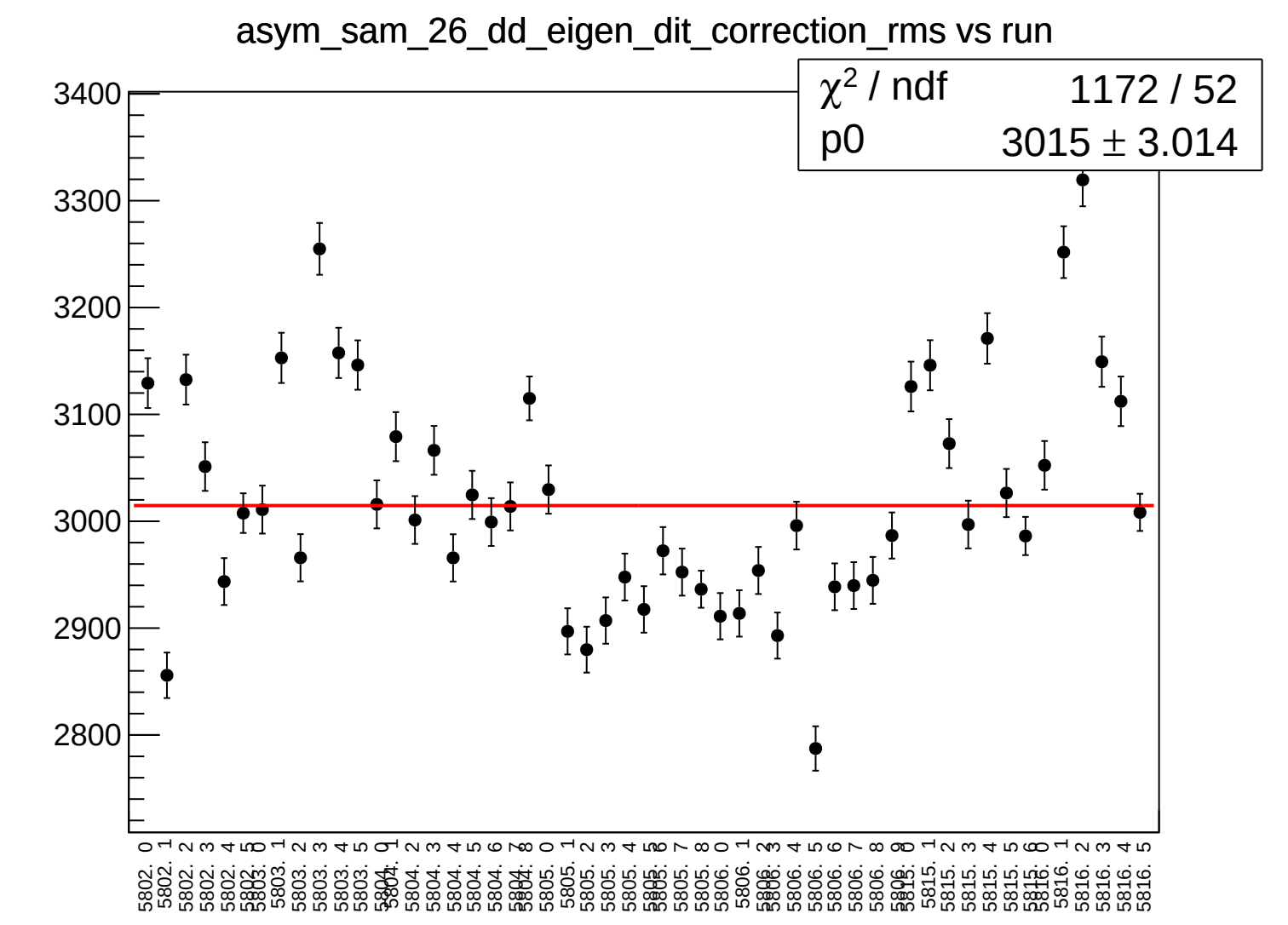

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 50.27 / 52
p0 156.1 ± 386.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −173.9
Std Dev 0
2
1
0
−1
−2

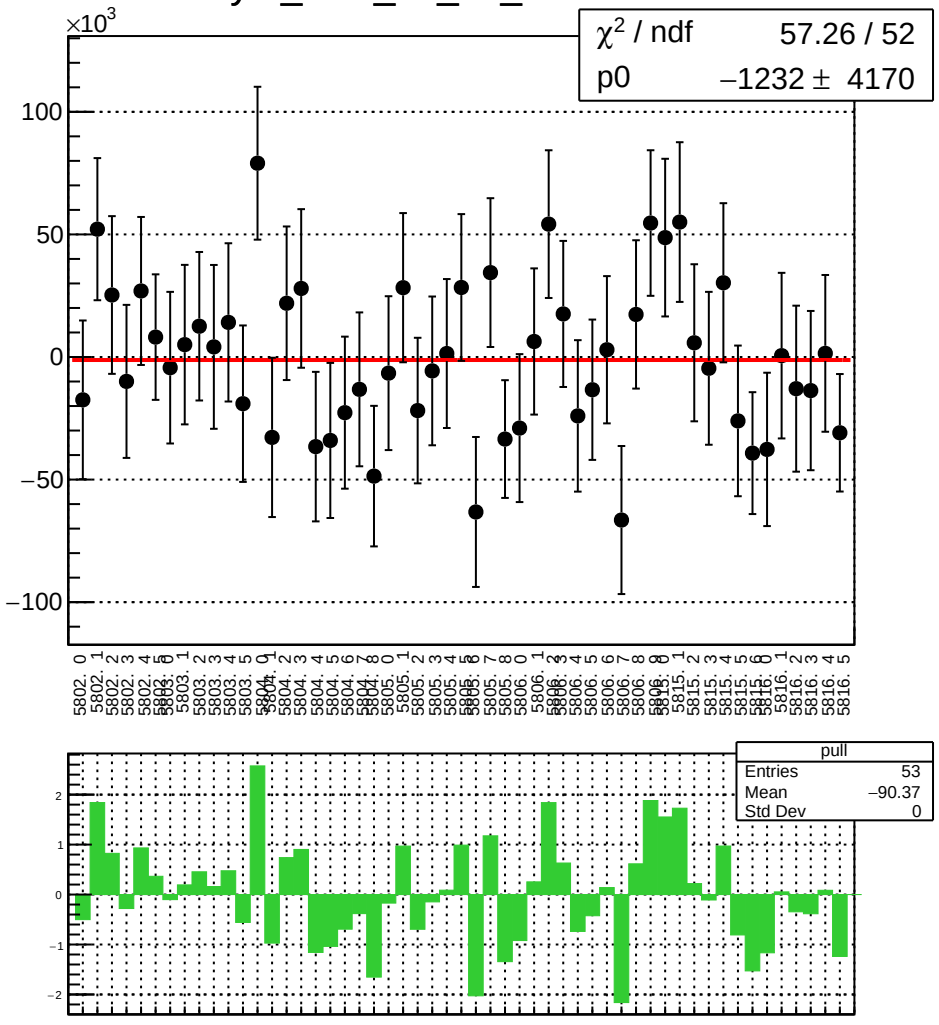

pull1D
Entries 53
Mean −0.009882
Std Dev 0.9739
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

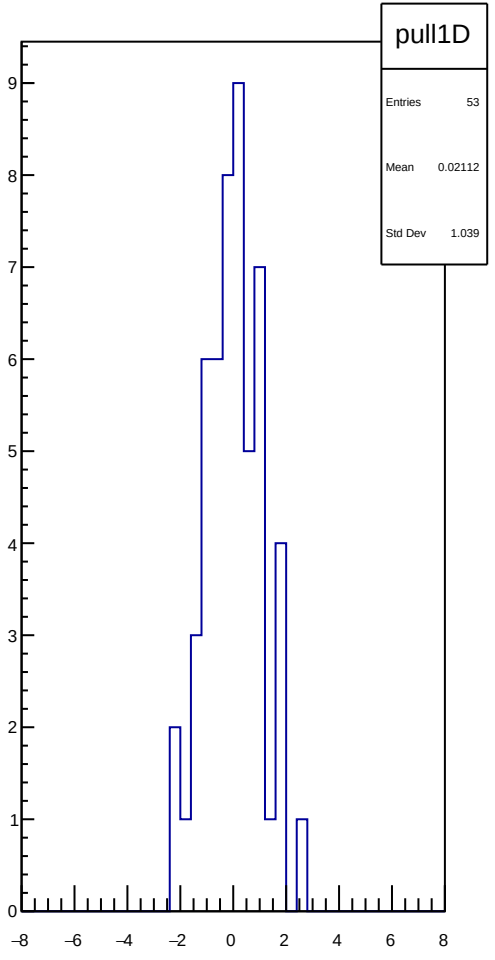

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 611.6 / 52
p0 273.5 ± 0.2734
295
290
285
280
275
270
265
260
255

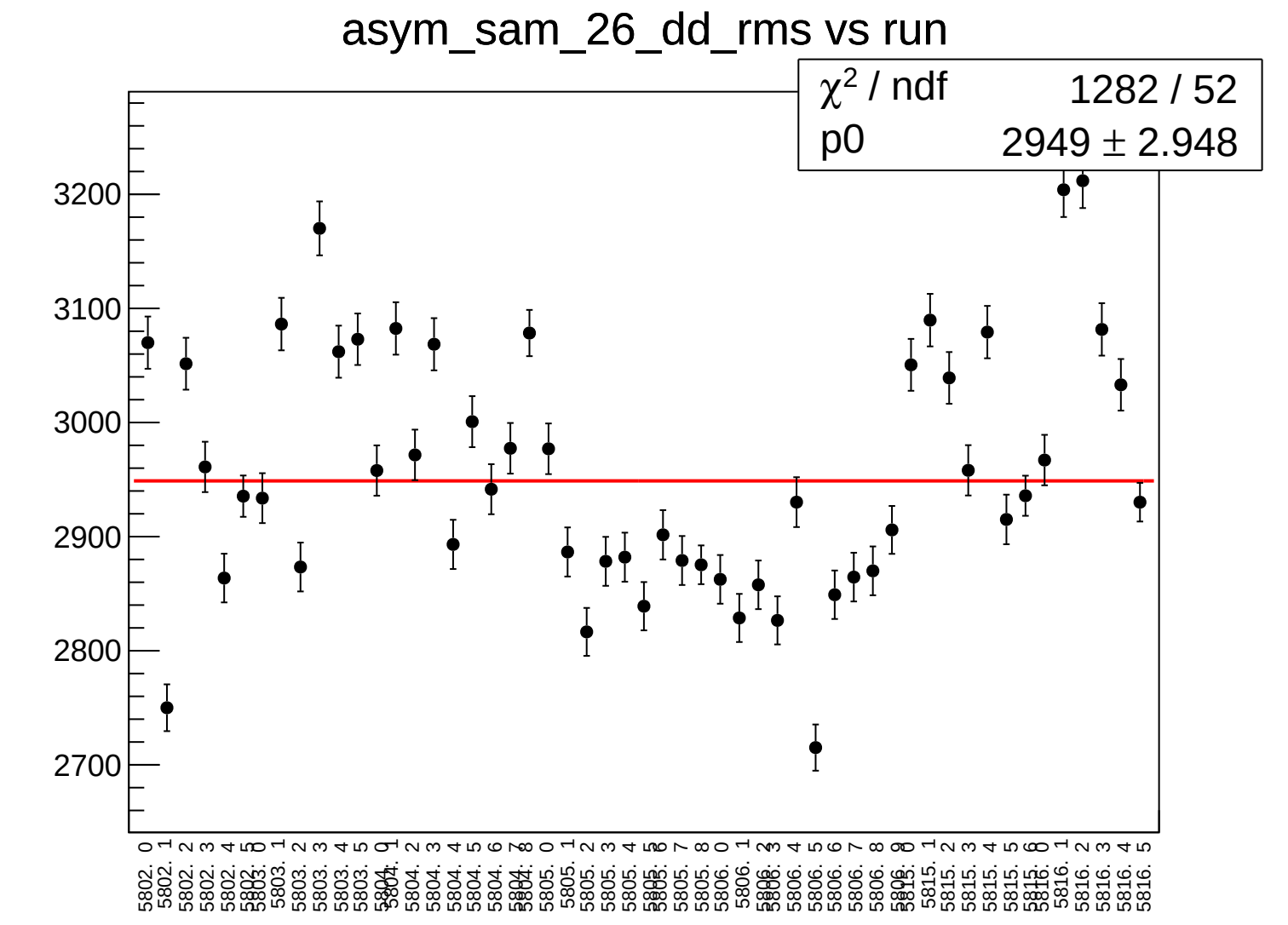

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.11 / 52
p0 1407 ± 4263
100
50
0
−50
−100
pull
Entries 53
Mean −90.45
Std Dev 0
2
1
0
−1
−2

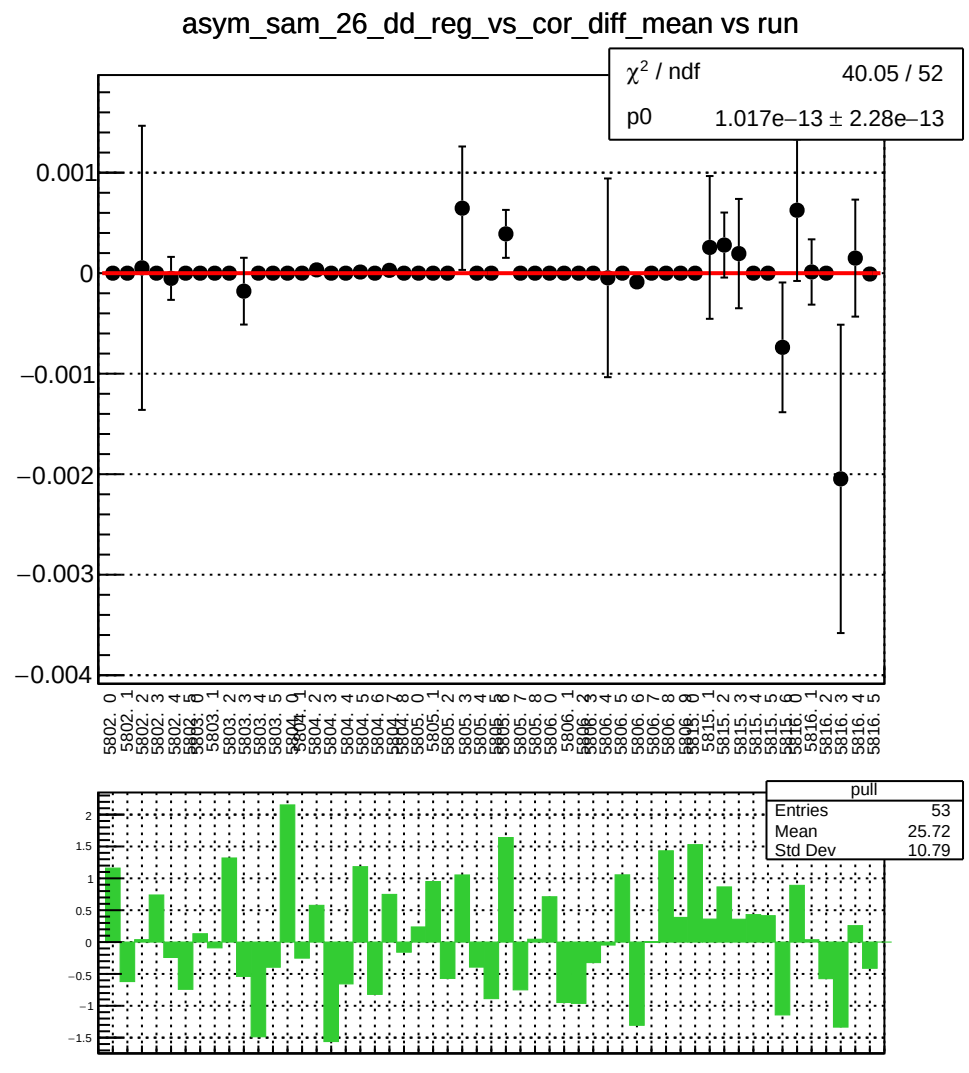

pull1D
Entries 53
Mean −0.02195
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

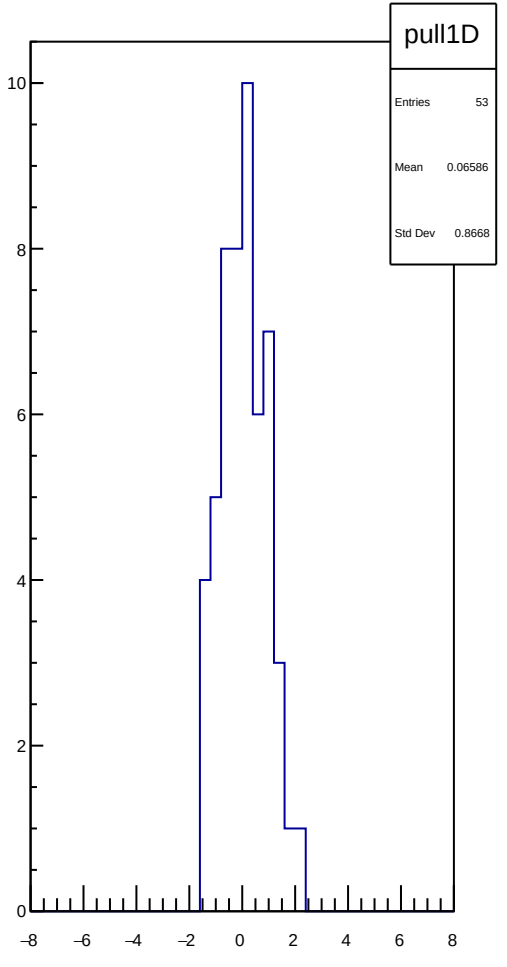

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1172 / 52
p0 3015 ± 3.014
3400
3300
3200
3100
3000
2900
2800

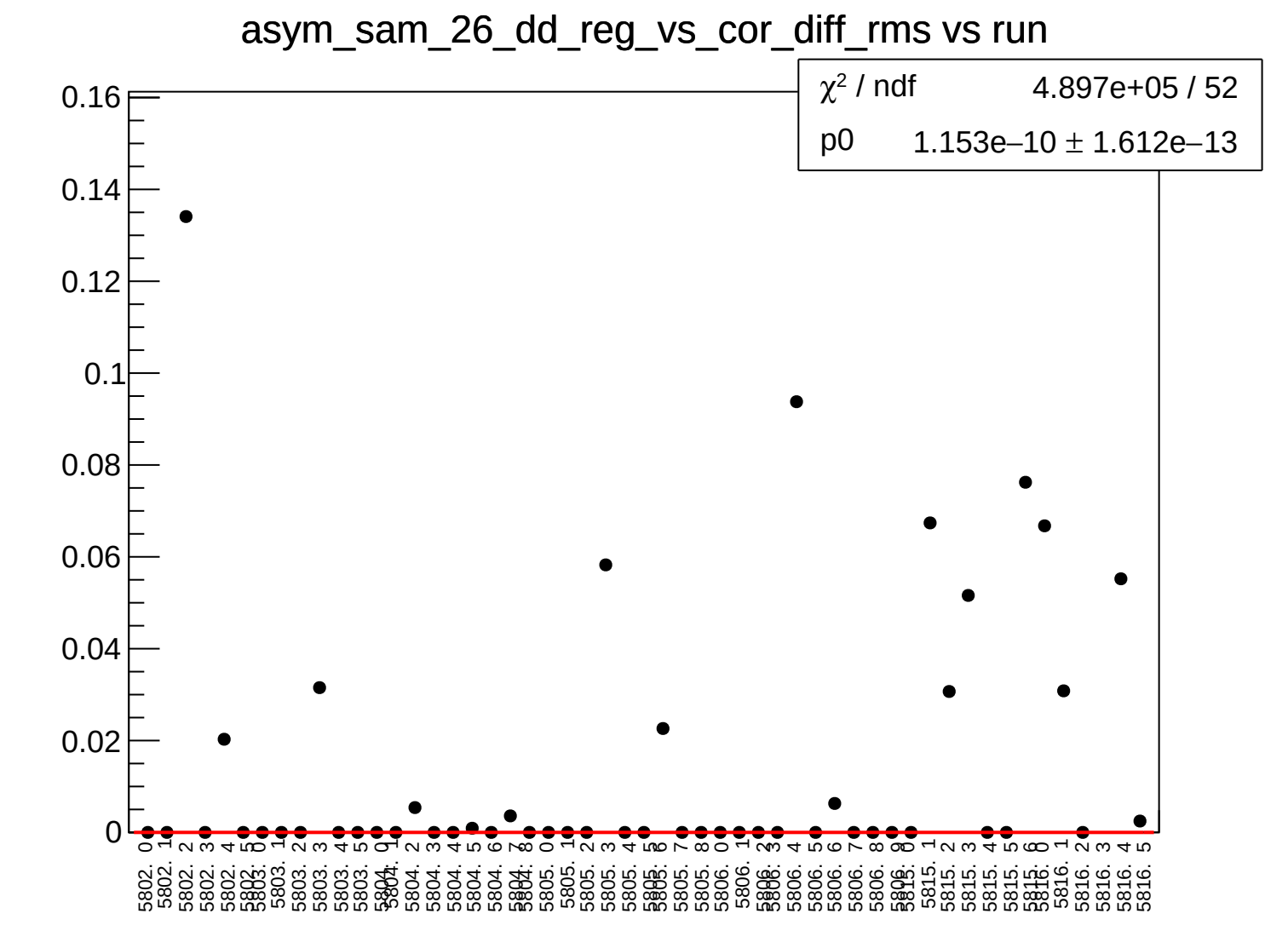

asym_sam_26_dd_mean vs run
χ² / ndf 57.26 / 52
p0 −1232 ± 4170
×10³
pull
Entries 53
Mean −90.37
Std Dev 0

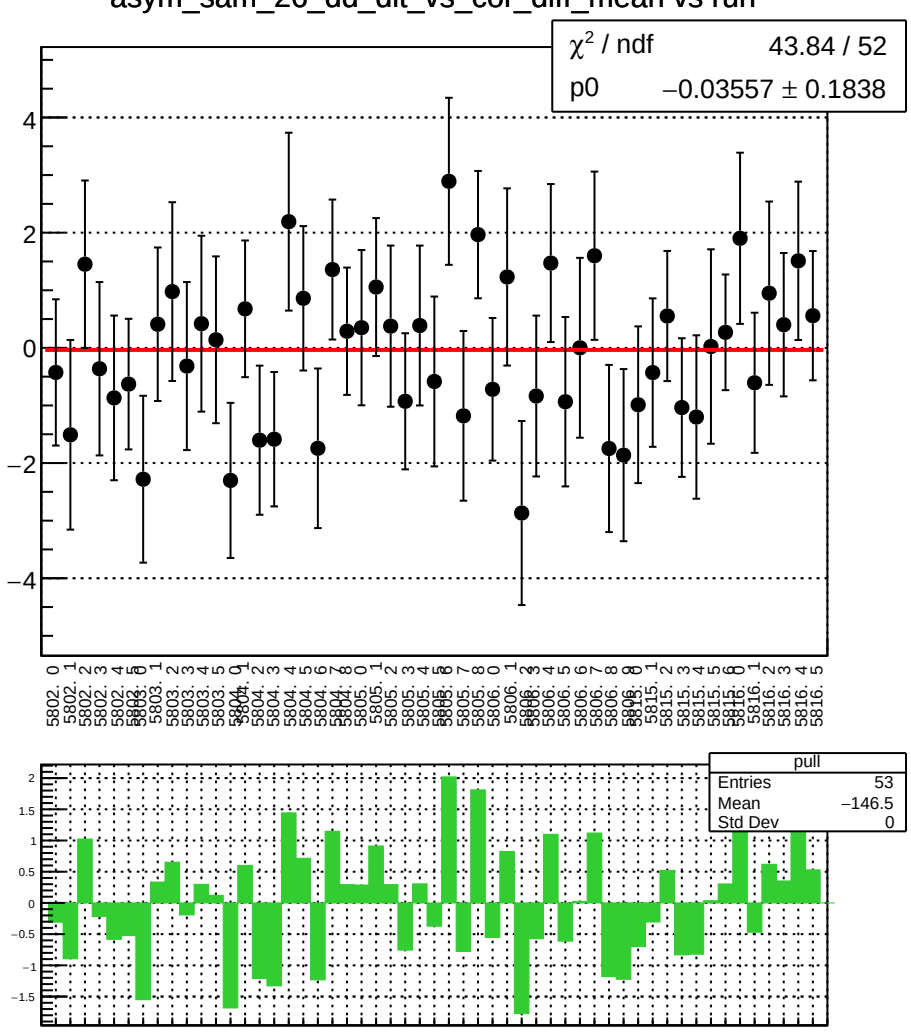

pull1D
Entries 53
Mean 0.02112
Std Dev 1.039

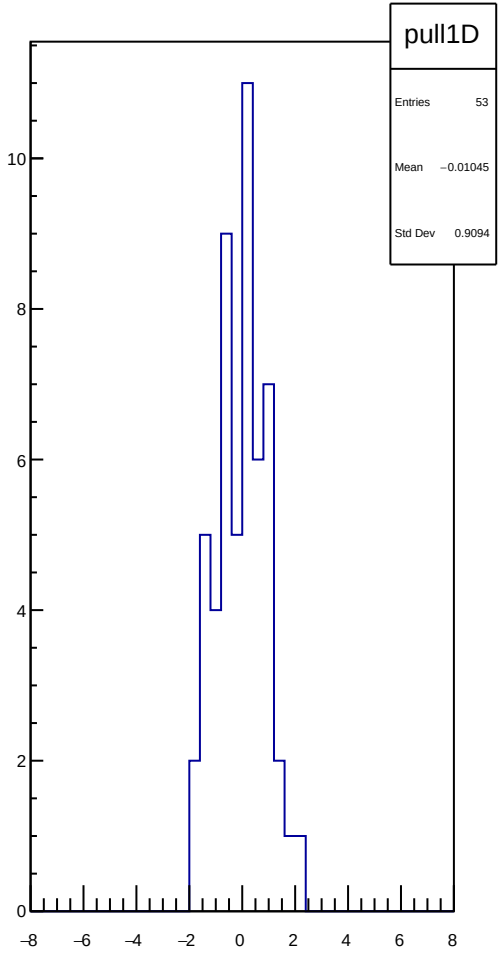

asym_sam_26_dd_rms vs run
χ² / ndf 1282 / 52
p0 2949 ± 2.948
3200
3100
3000
2900
2800
2700

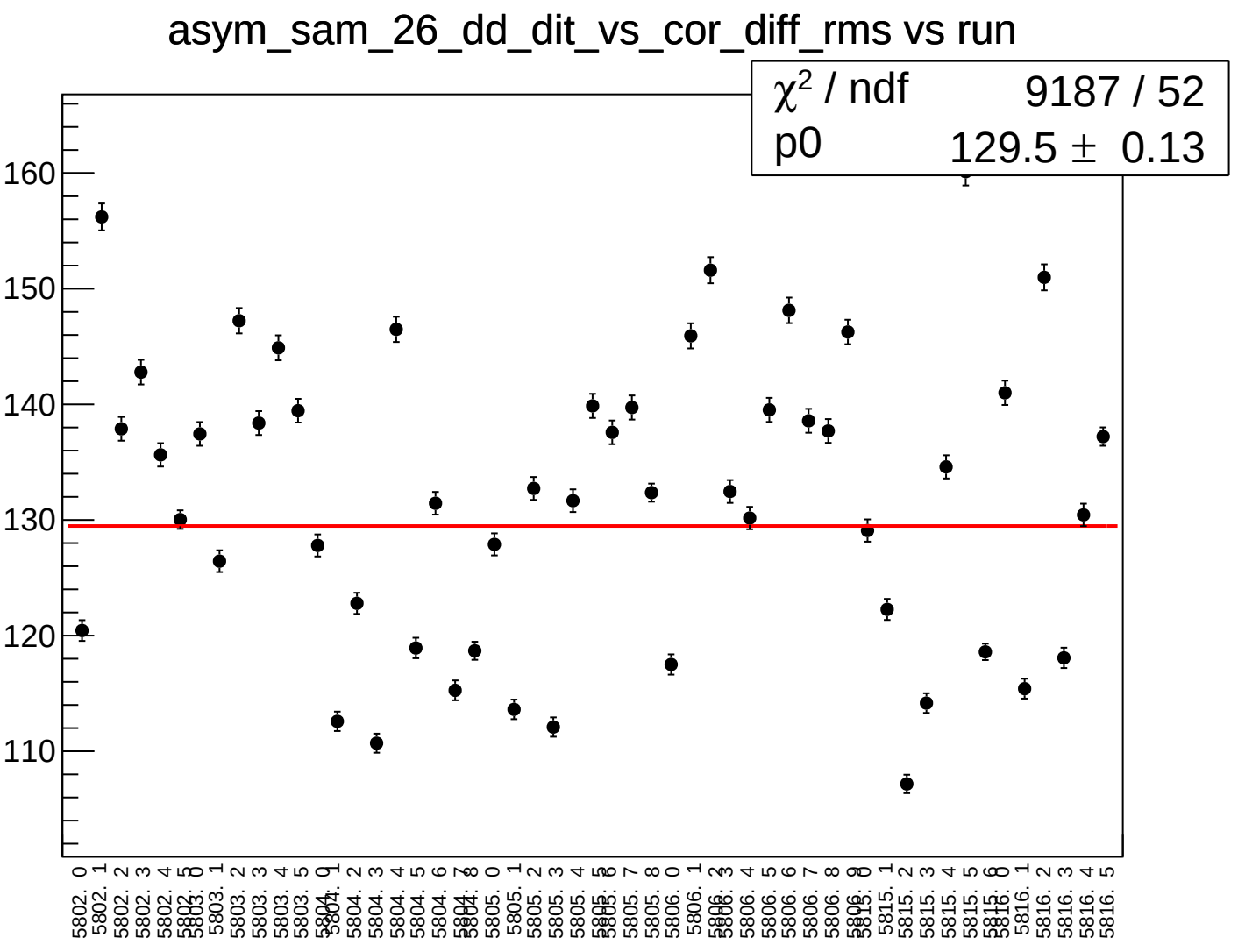

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.05 / 52
p0 1.017e−13 ± 2.28e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 53
Mean 25.72
Std Dev 10.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

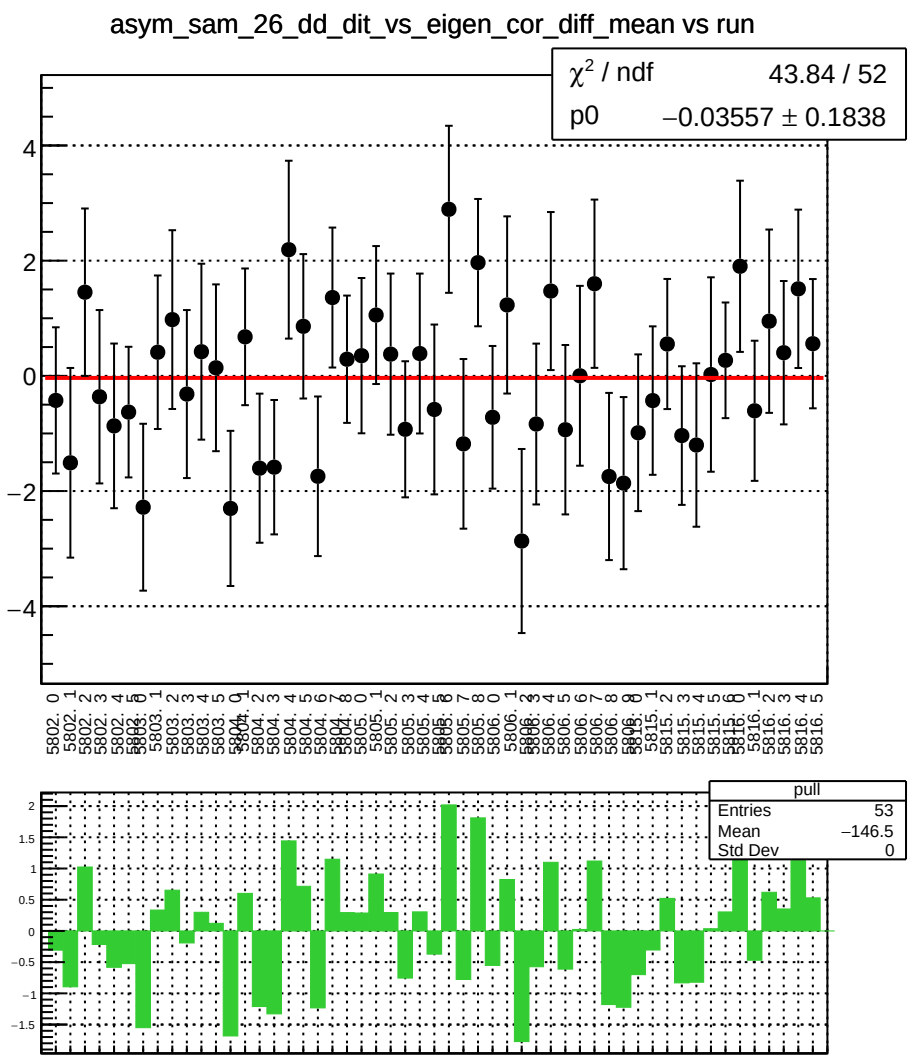

pull1D
Entries 53
Mean 0.06586
Std Dev 0.8668
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

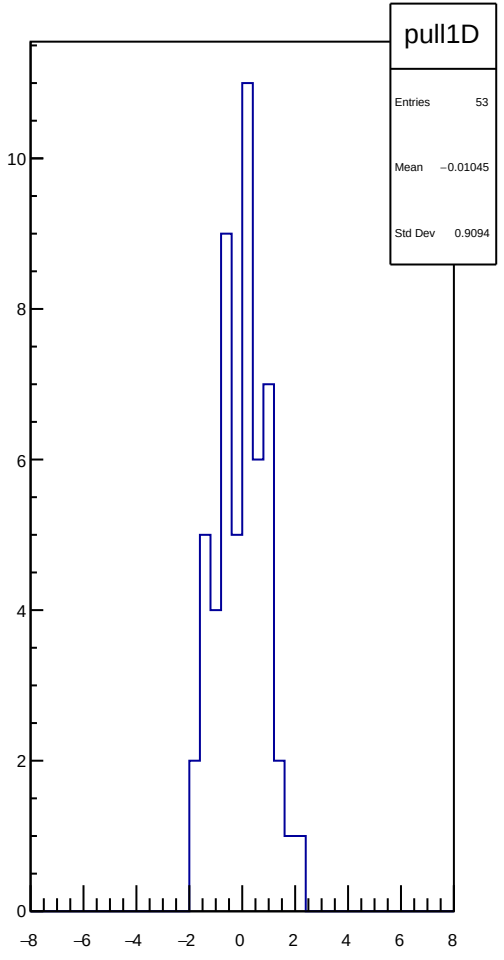

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.897e+05 / 52
p0 1.153e−10 ± 1.612e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

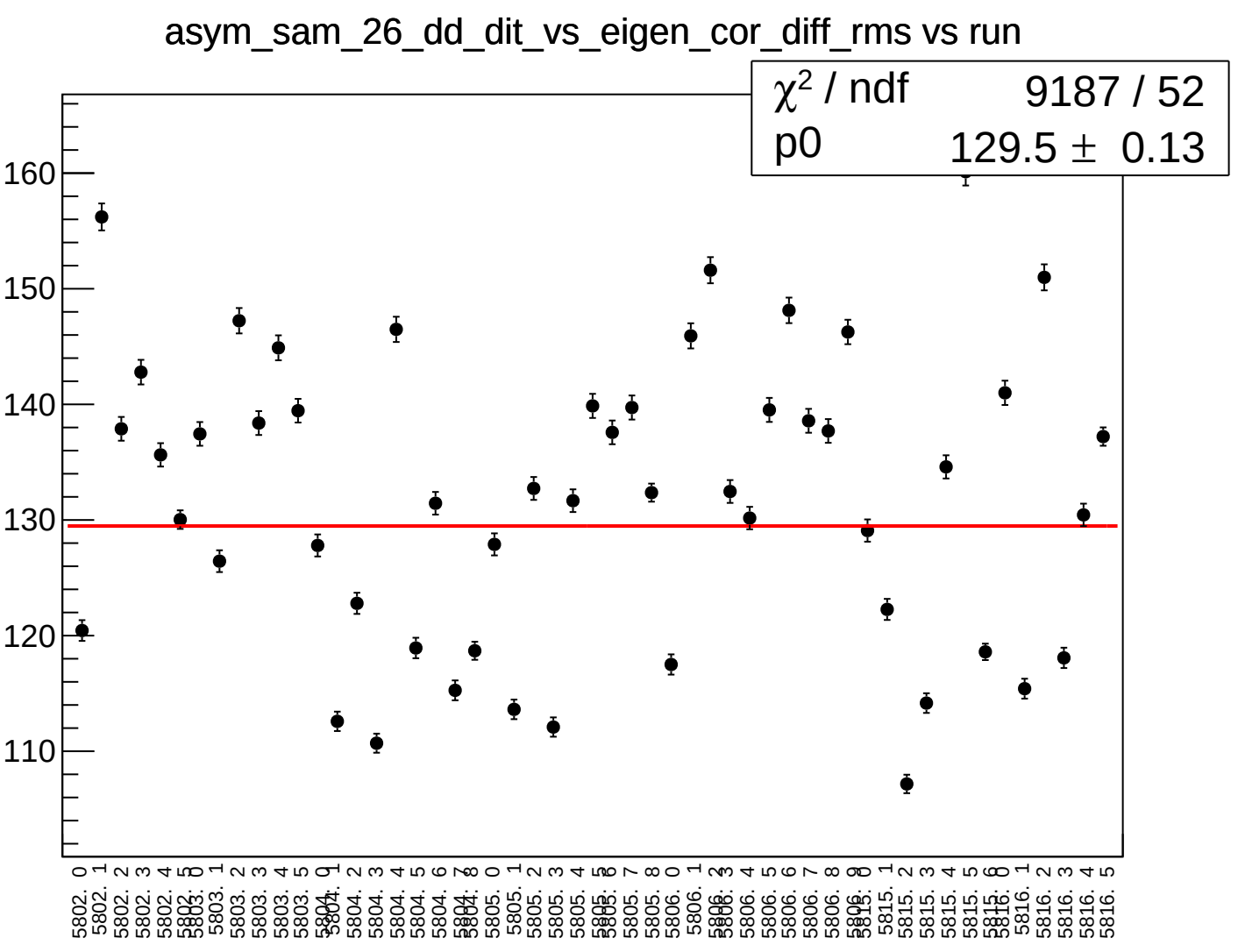

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.84 / 52
p0 −0.03557 ± 0.1838
pull
Entries 53
Mean −146.5
Std Dev 0

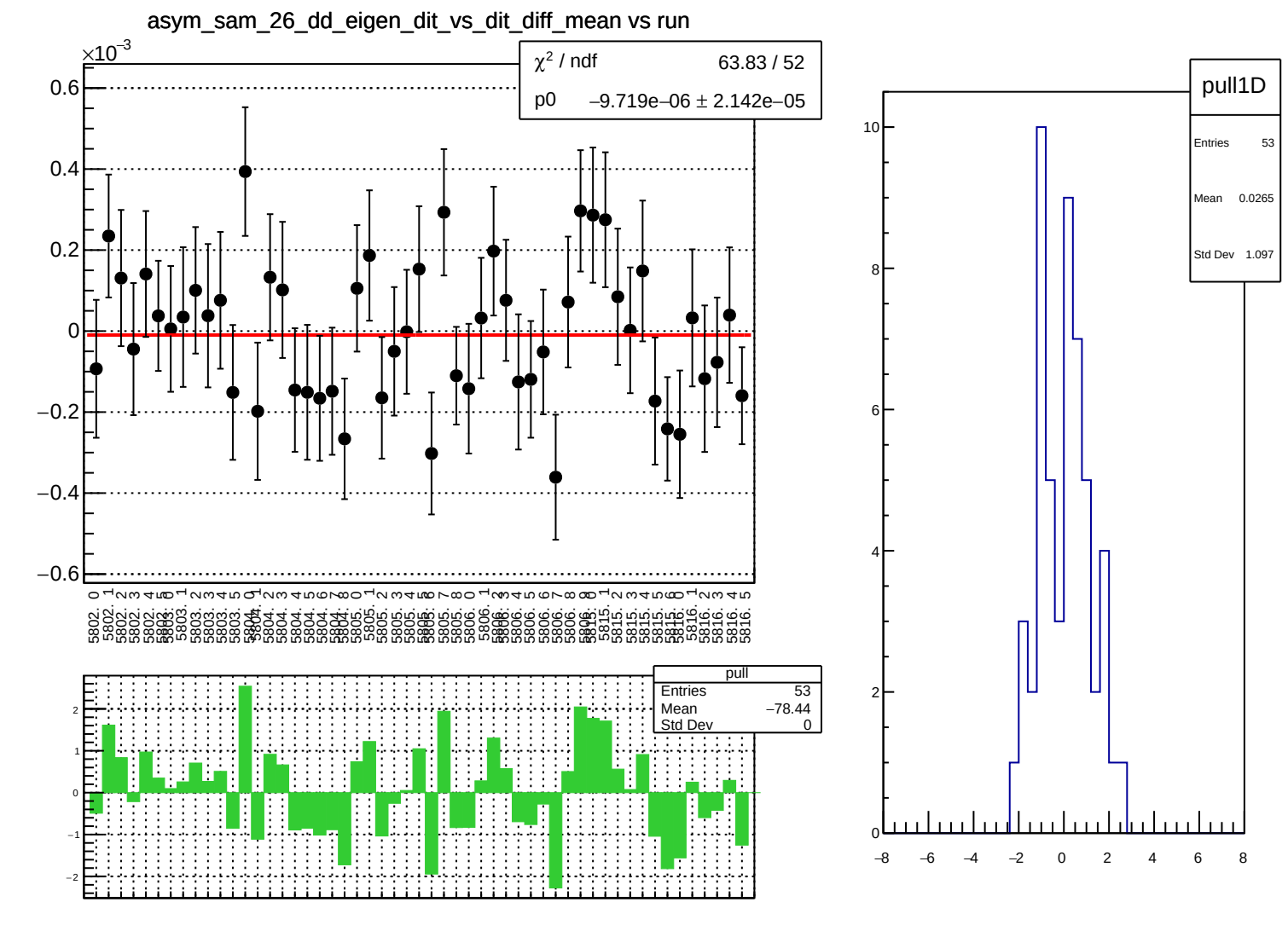

pull1D
Entries 53
Mean −0.01045
Std Dev 0.9094

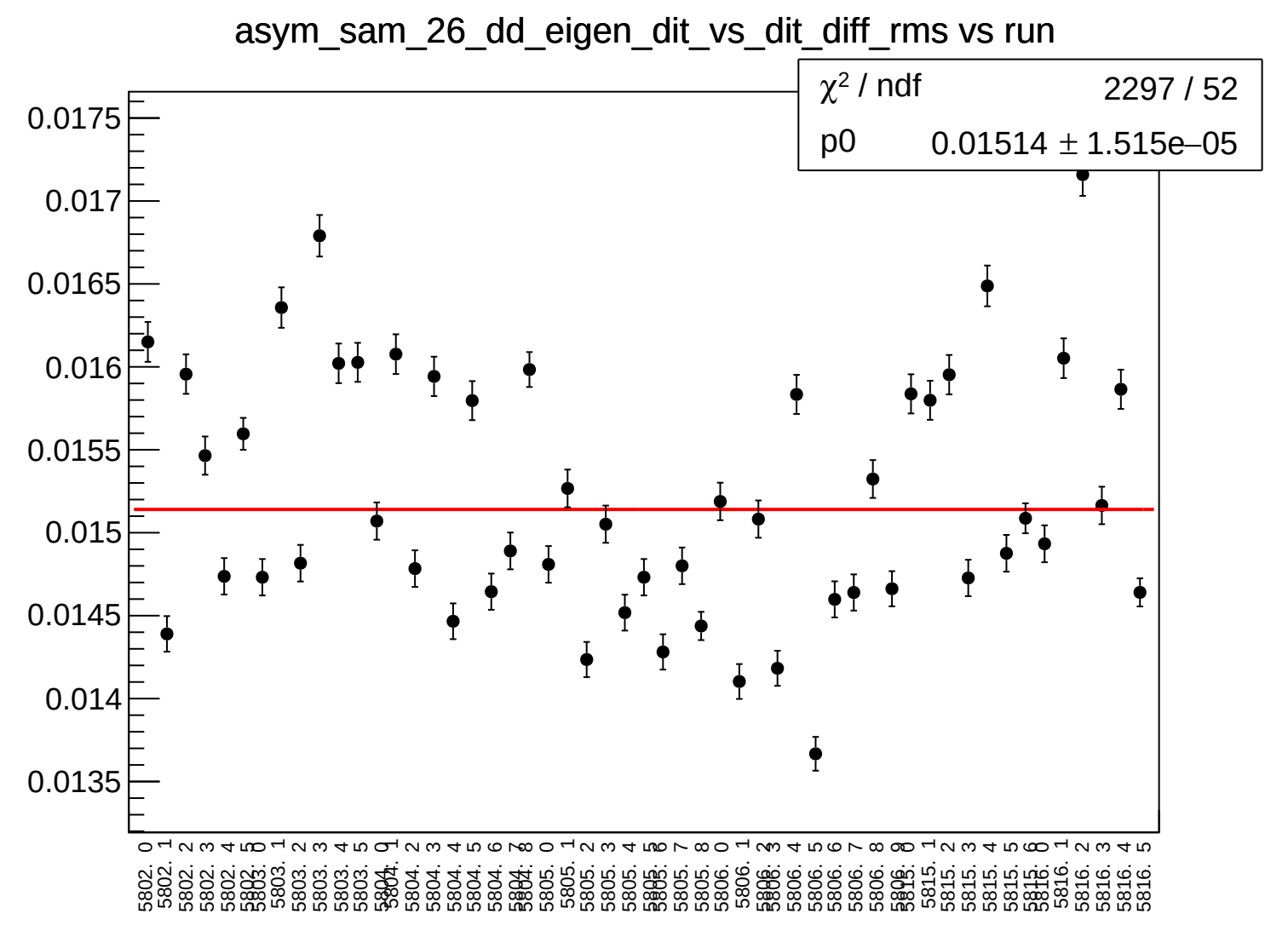

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9187 / 52
p0 129.5 ± 0.13
160
150
140
130
120
110

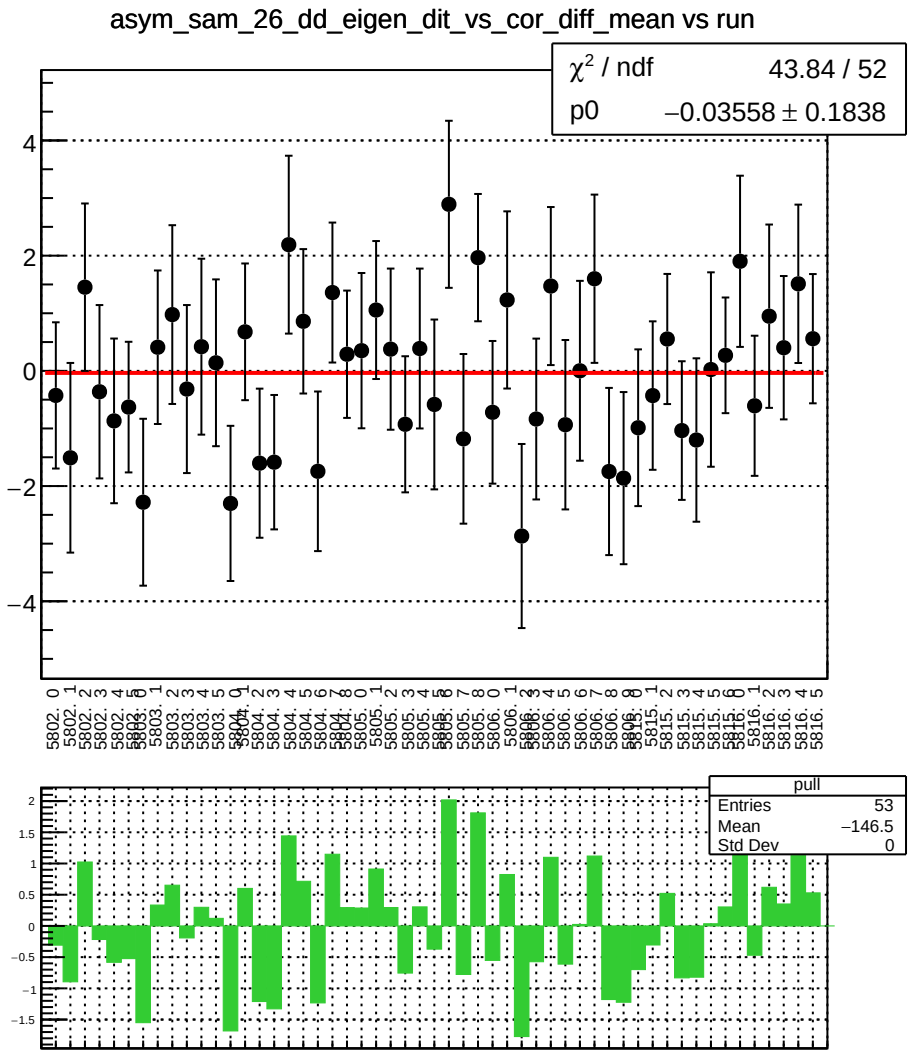

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.84 / 52
p0 −0.03557 ± 0.1838
pull
Entries 53
Mean −146.5
Std Dev 0

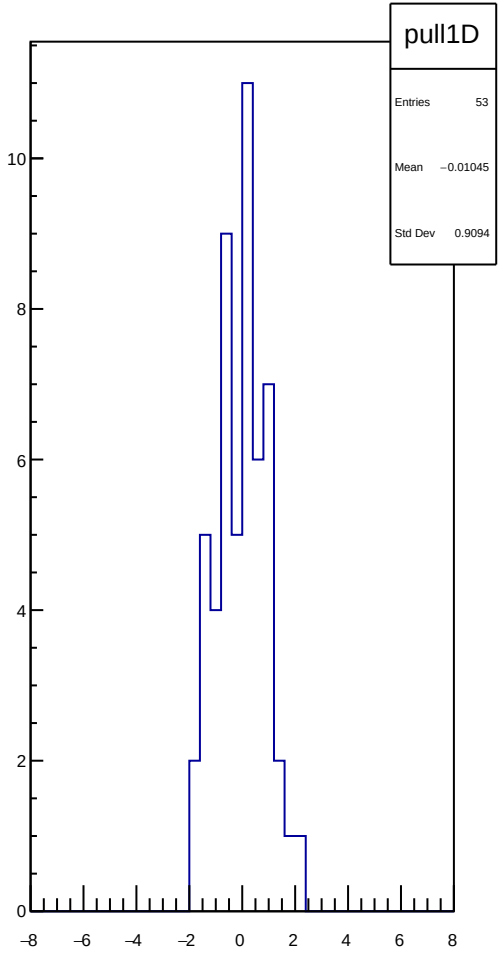

pull1D
Entries 53
Mean −0.01045
Std Dev 0.9094

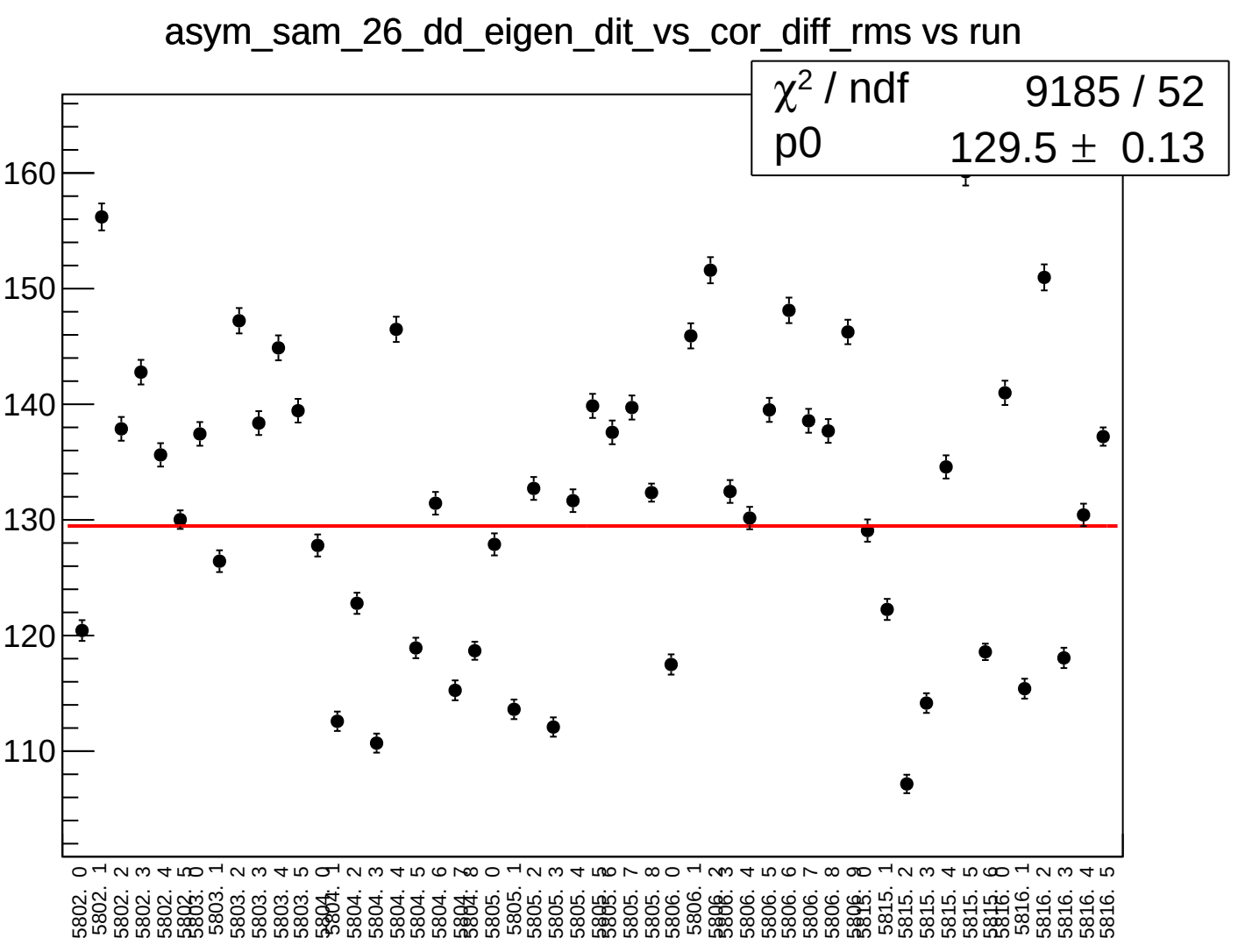

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9187 / 52
p0 129.5 ± 0.13
160
150
140
130
120
110

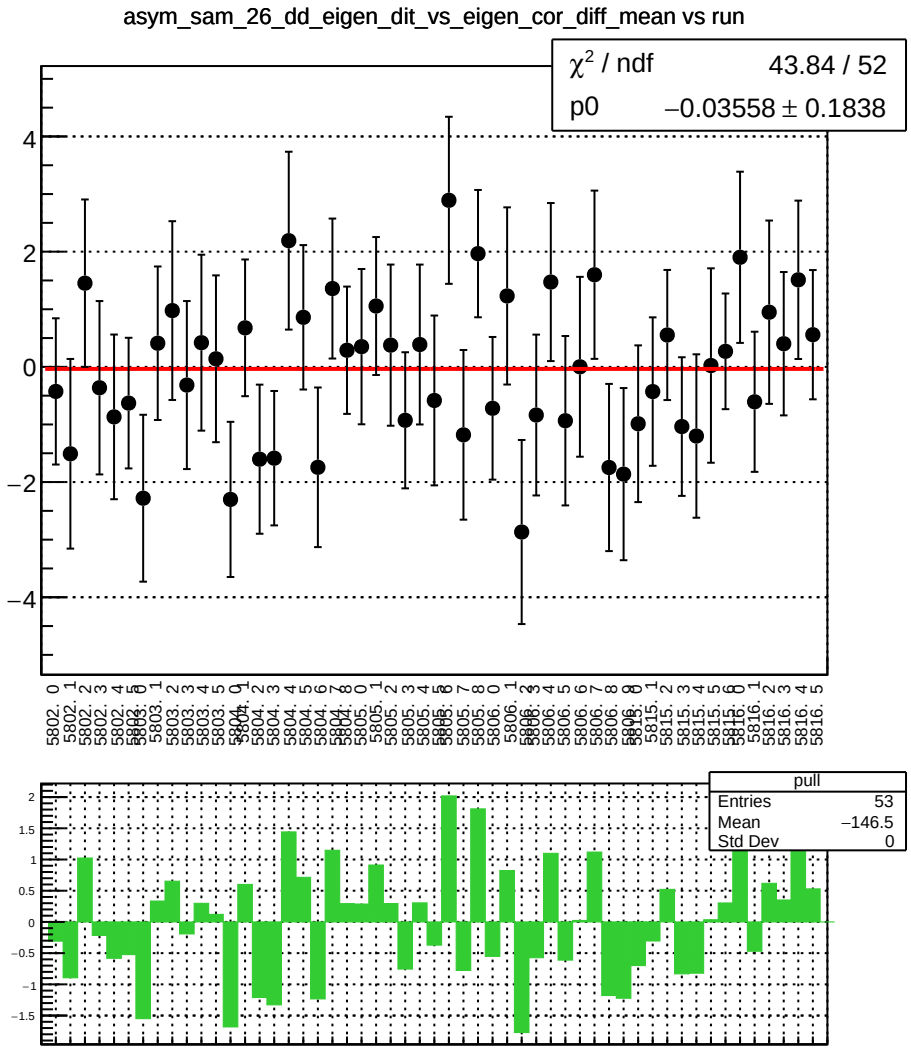

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.83 / 52
p0 −9.719e−06 ± 2.142e−05
pull
Entries 53
Mean −78.44
Std Dev 0
pull1D
Entries 53
Mean 0.0265
Std Dev 1.097

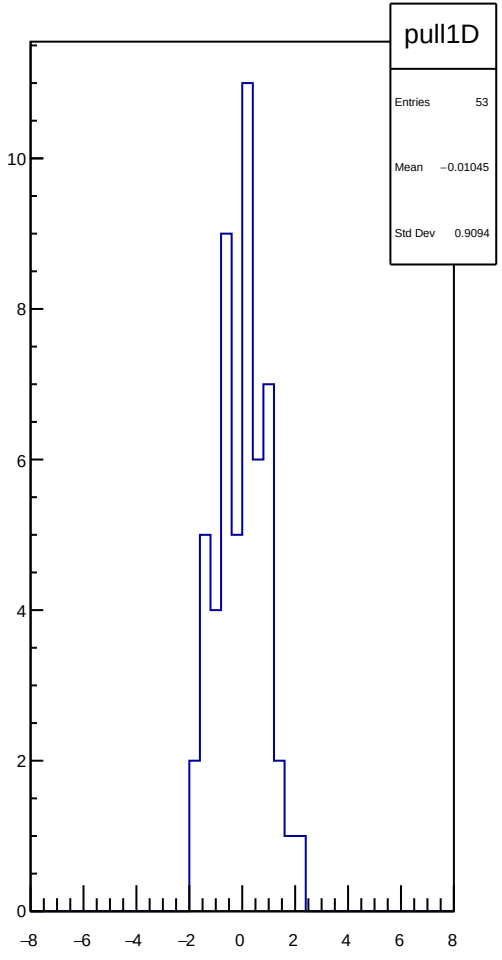

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2297 / 52
p0 0.01514 ± 1.515e−05
0.0175
0.017
0.0165
0.016
0.0155
0.015
0.0145
0.014
0.0135

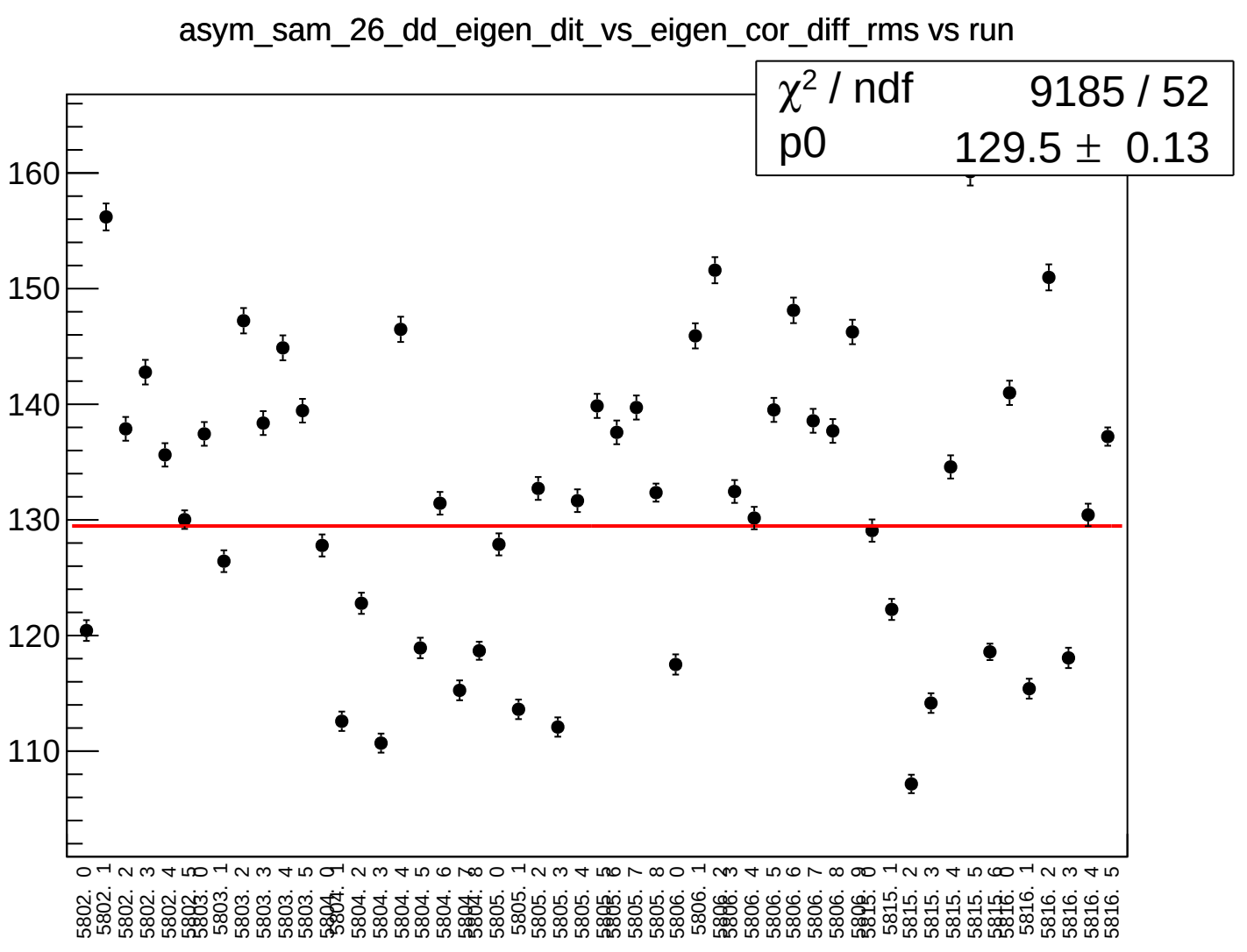

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.84 / 52
p0 −0.03558 ± 0.1838
pull
Entries 53
Mean −146.5
Std Dev 0

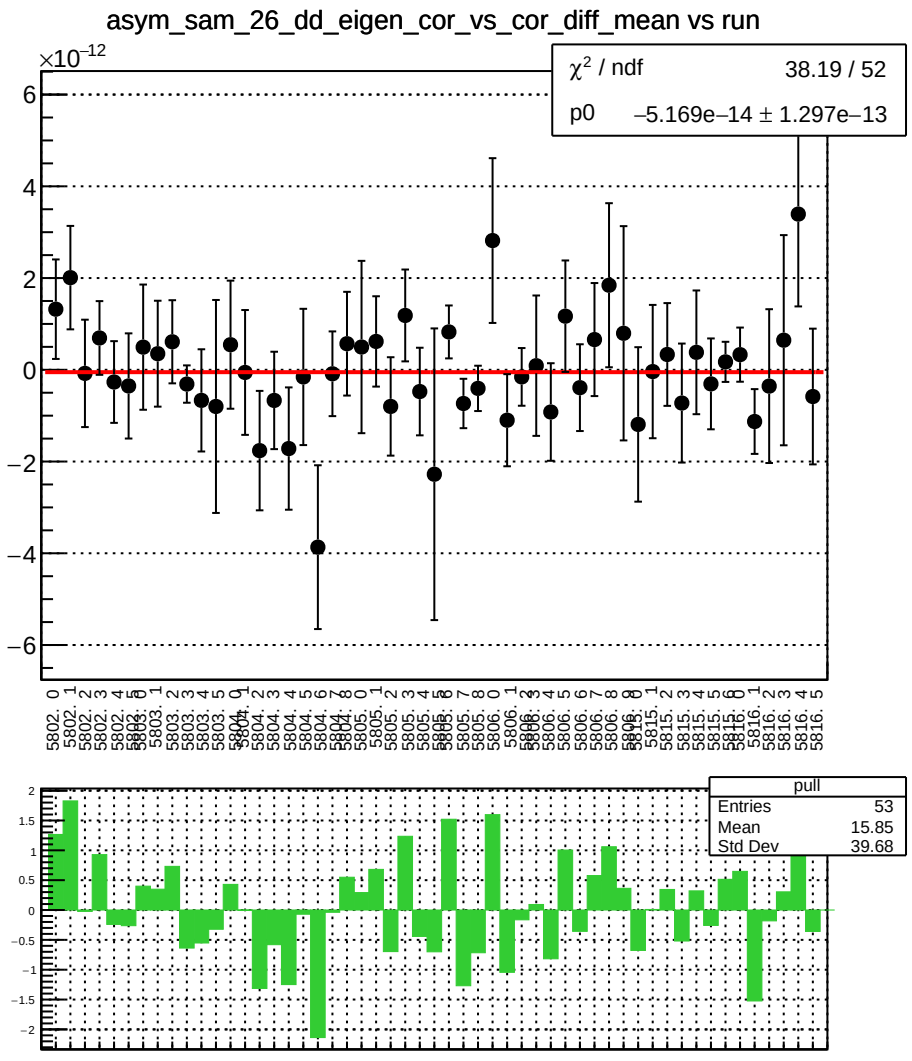

pull1D
Entries 53
Mean −0.01045
Std Dev 0.9094

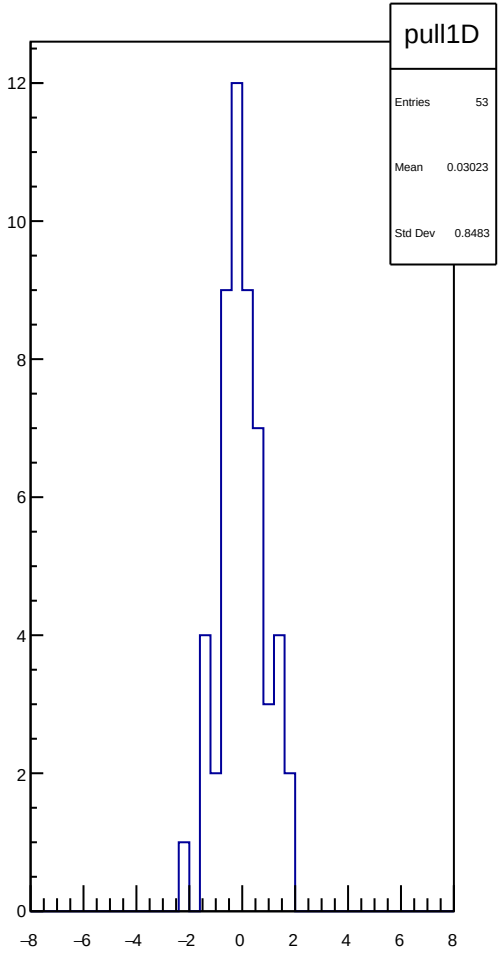

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9185 / 52
p0 129.5 ± 0.13
160
150
140
130
120
110

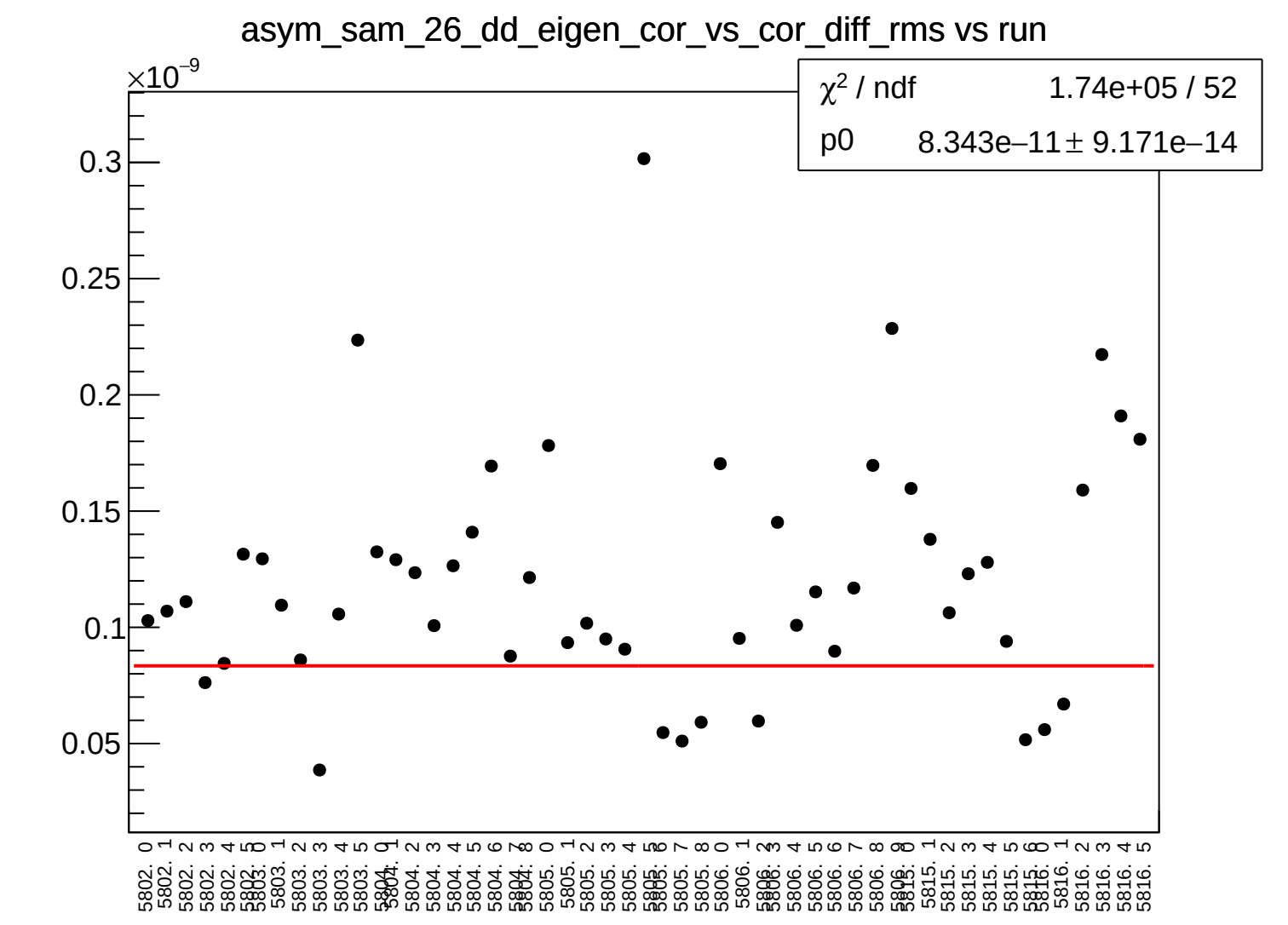

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.84 / 52
p0 −0.03558 ± 0.1838
pull
Entries 53
Mean −146.5
Std Dev 0

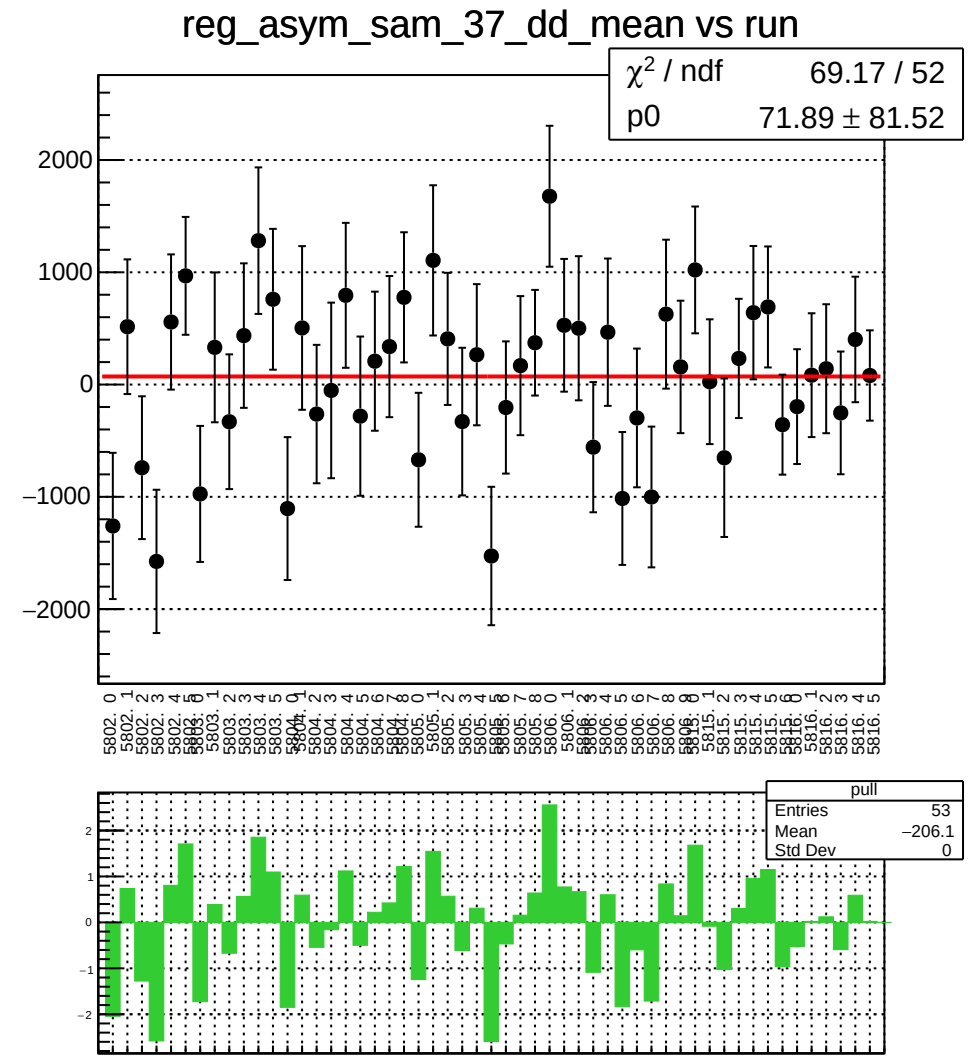

pull1D
Entries 53
Mean −0.01045
Std Dev 0.9094

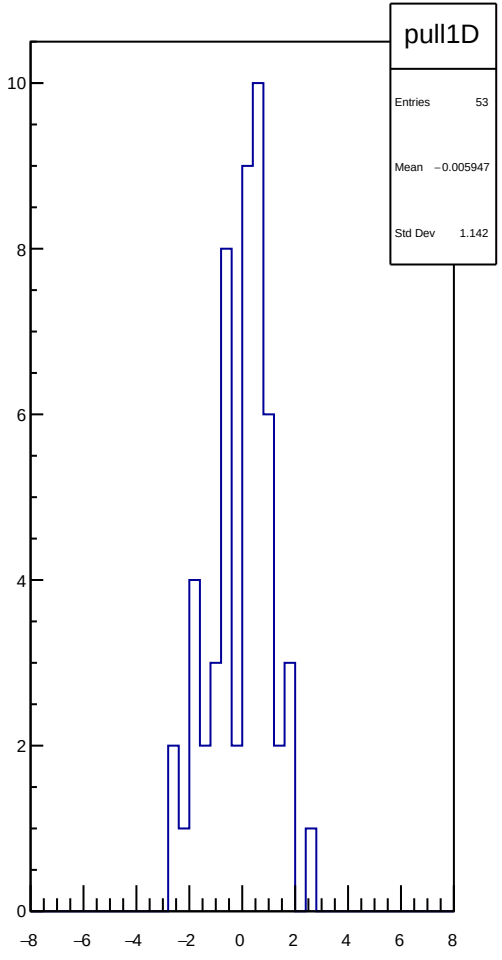

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9185 / 52
p0 129.5 ± 0.13
160
150
140
130
120
110

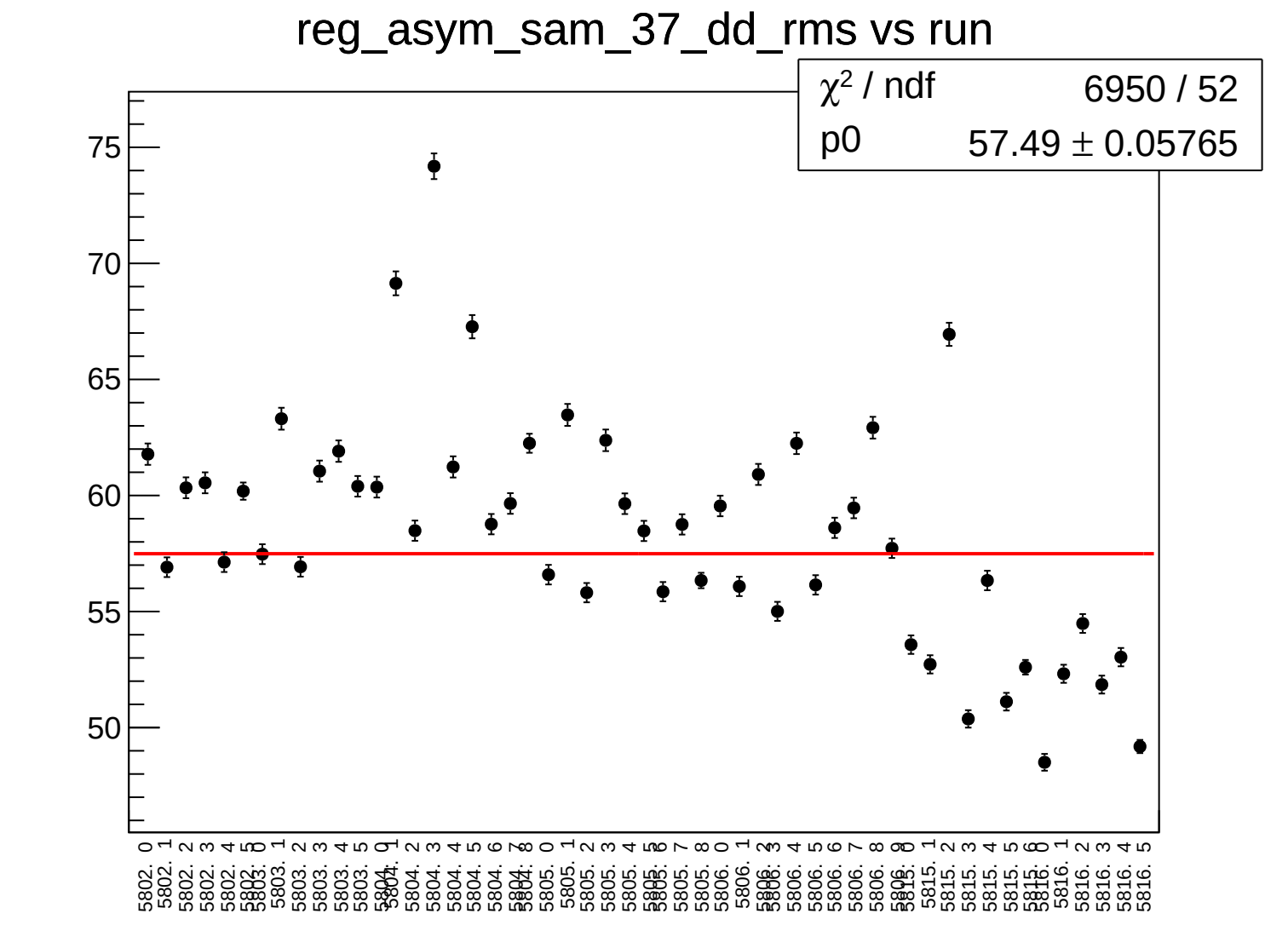

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.19 / 52
p0 −5.169e−14 ± 1.297e−13
pull
Entries 53
Mean 15.85
Std Dev 39.68

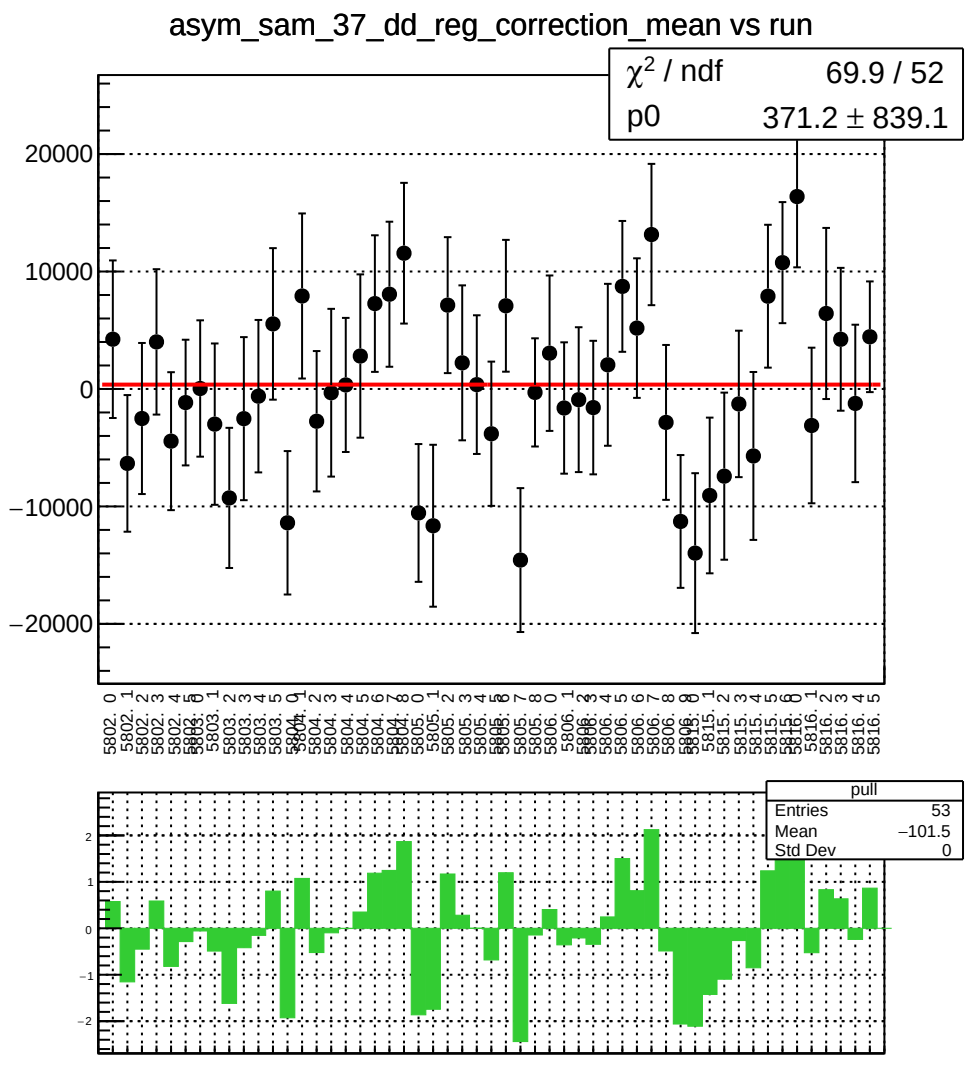

pull1D
Entries 53
Mean 0.03023
Std Dev 0.8483

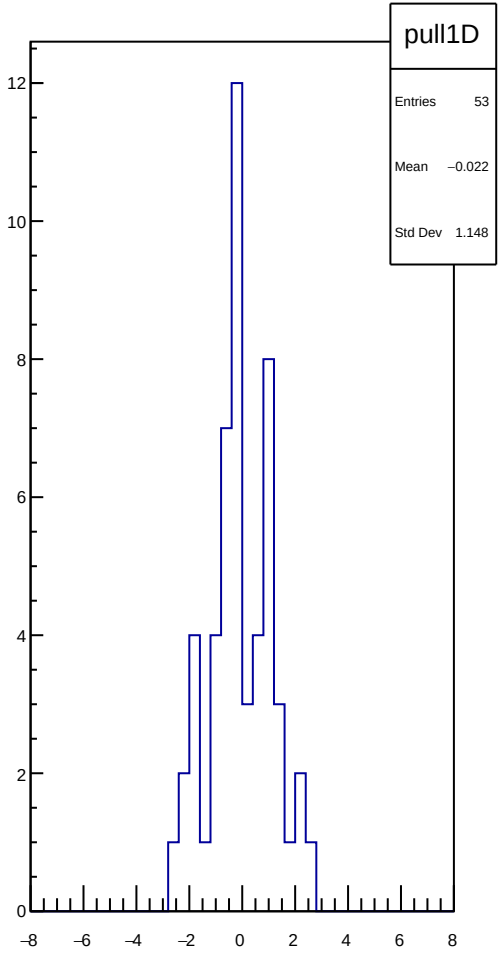

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.74e+05 / 52
p0 8.343e−11 ± 9.171e−14
0.3
0.25
0.2
0.15
0.1
0.05

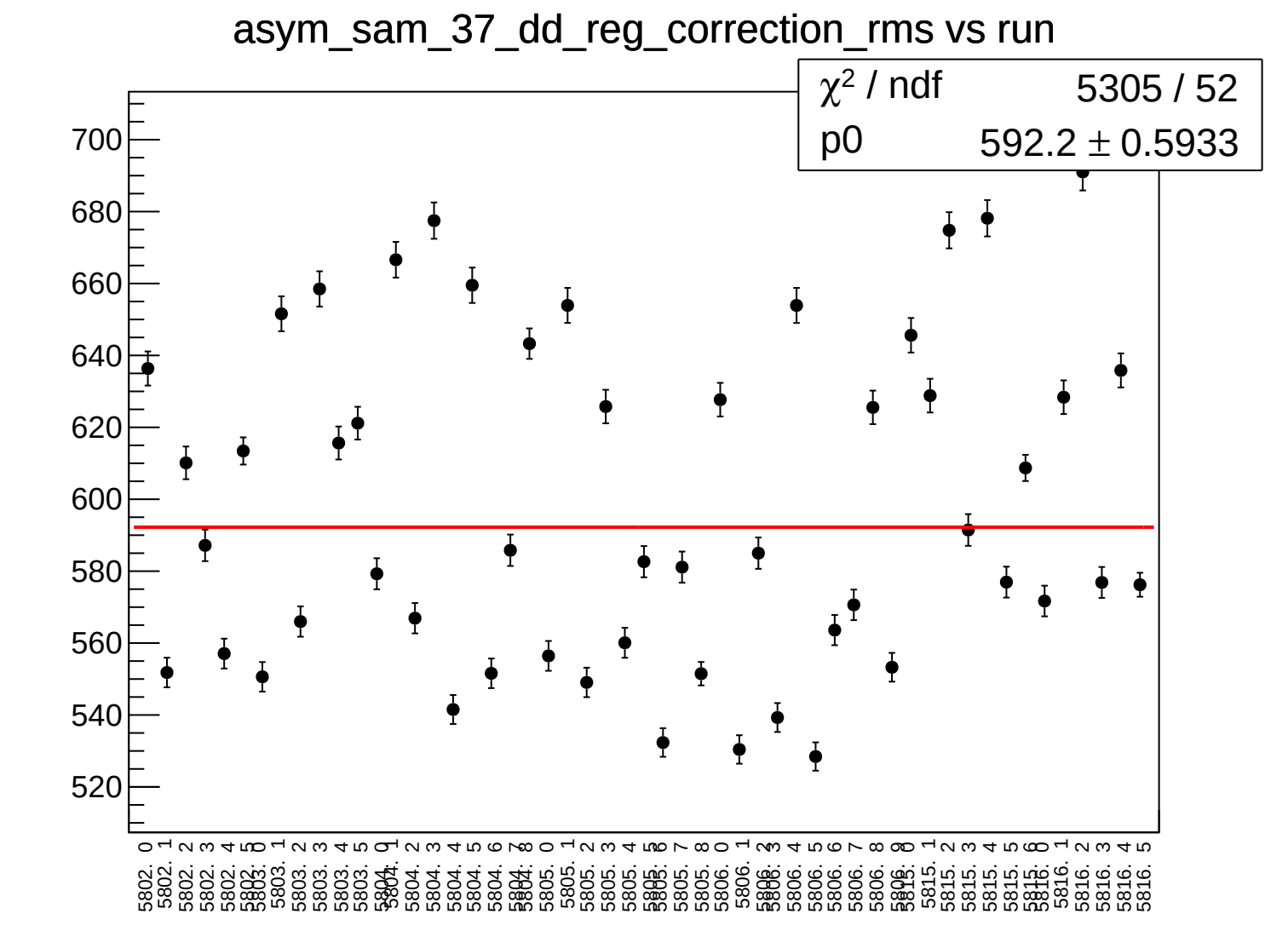

reg_asym_sam_37_dd_mean vs run
χ² / ndf 69.17 / 52
p0 71.89 ± 81.52
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −206.1
Std Dev 0
2
1
0
−1
−2

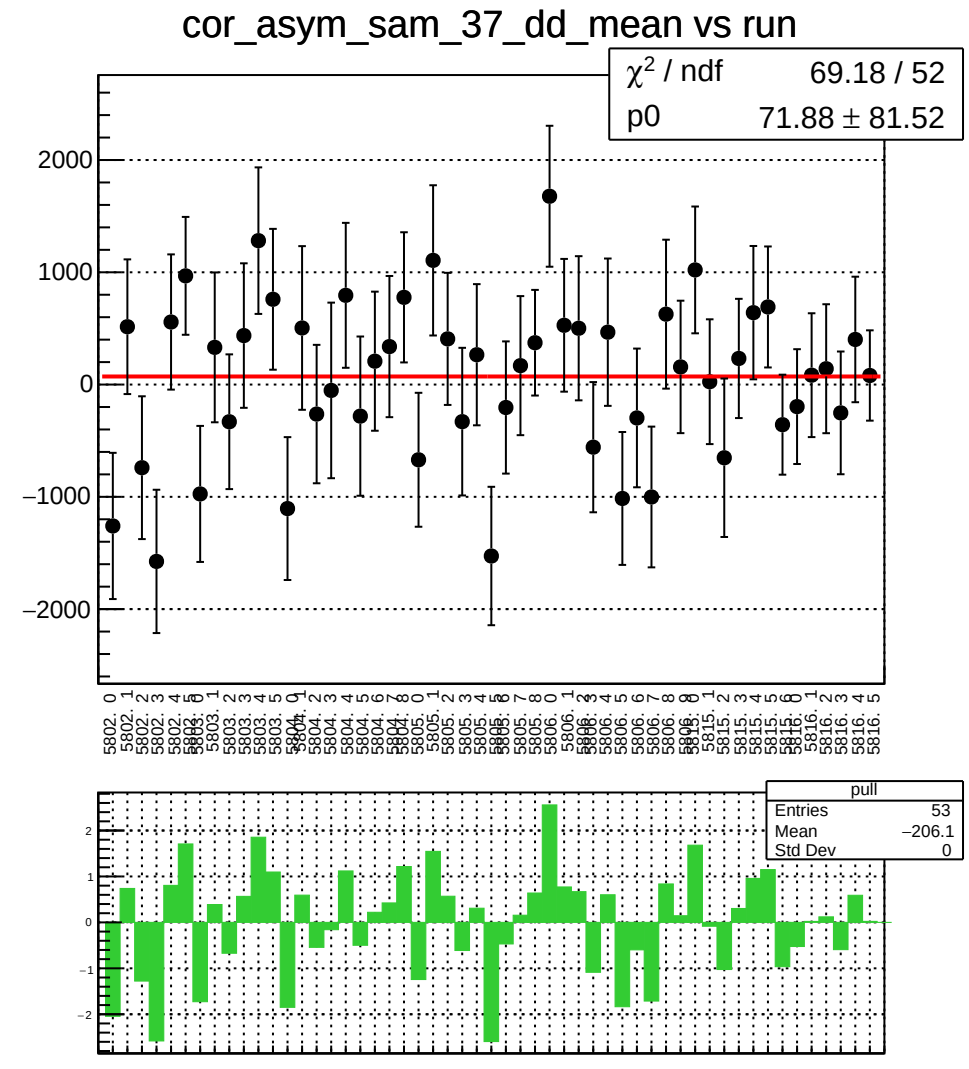

pull1D
Entries 53
Mean −0.005947
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

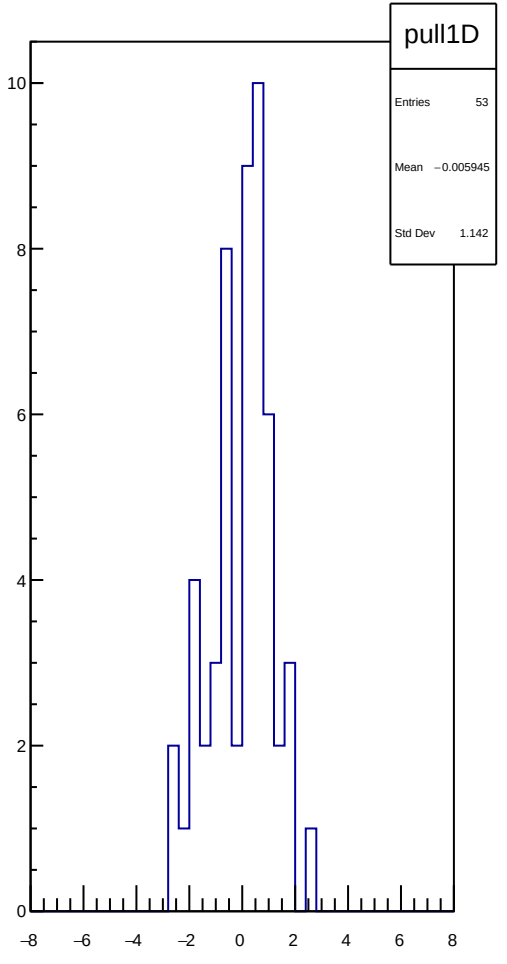

reg_asym_sam_37_dd_rms vs run
χ² / ndf 6950 / 52
p0 57.49 ± 0.05765
75
70
65
60
55
50

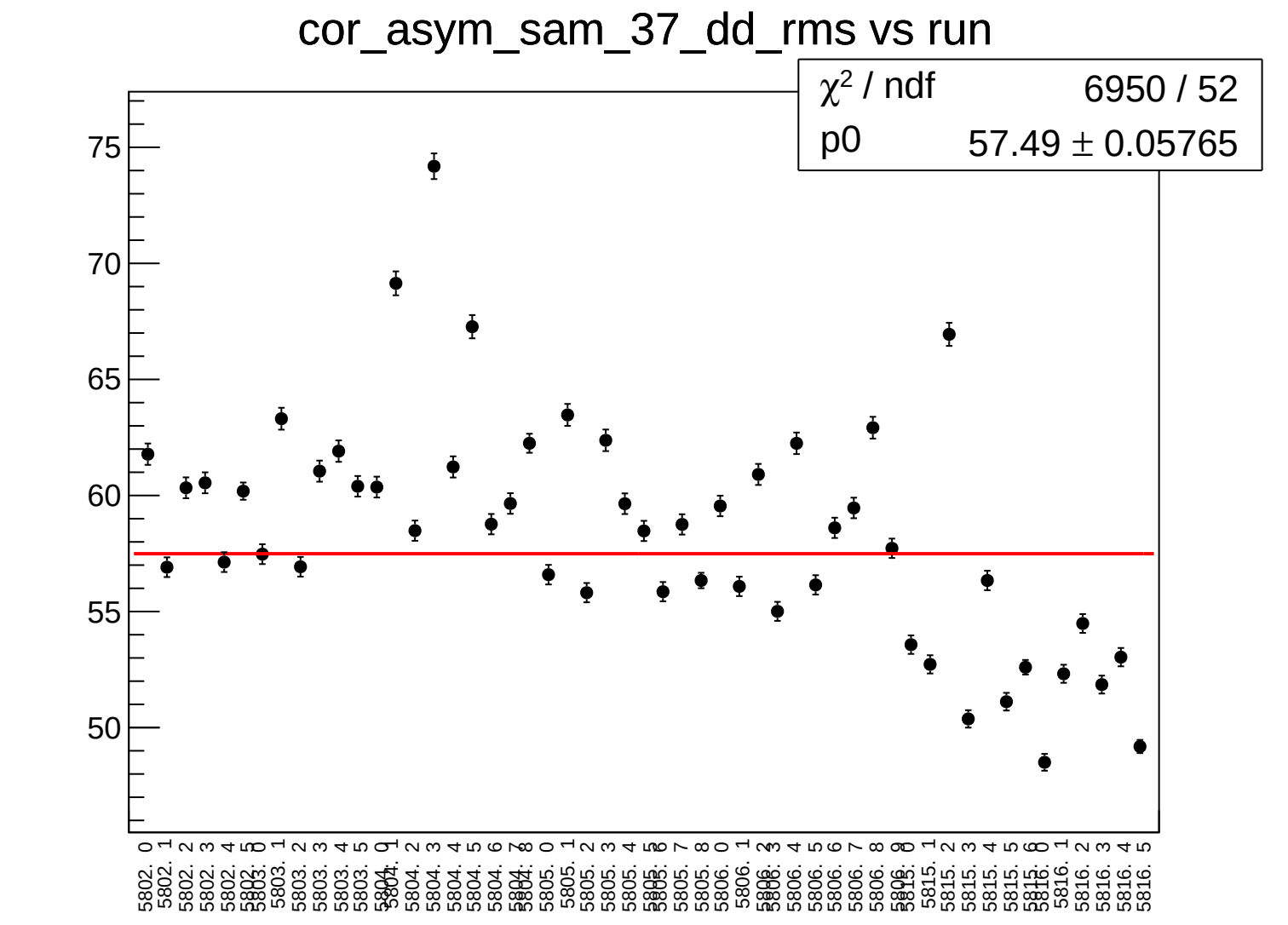

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 69.9 / 52
p0 371.2 ± 839.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −101.5
Std Dev 0
2
1
0
−1
−2

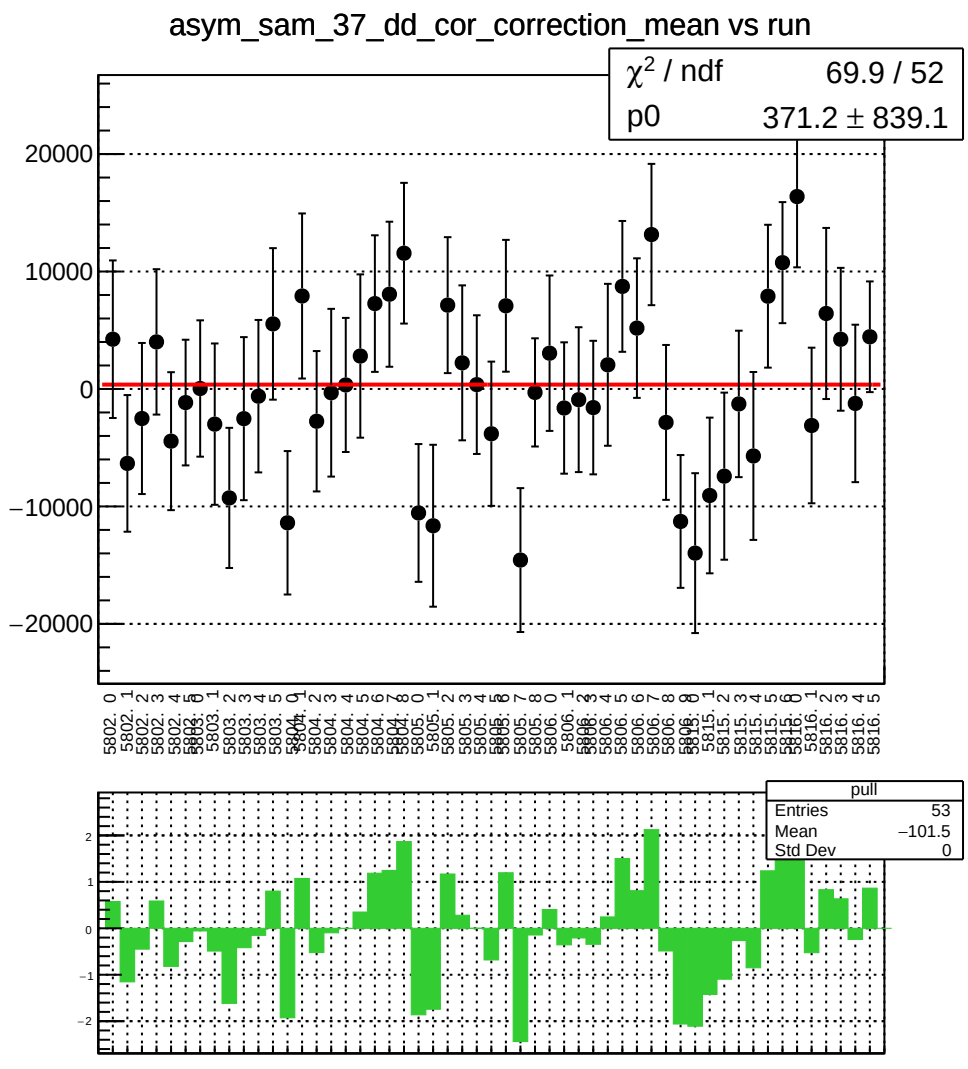

pull1D
Entries 53
Mean −0.022
Std Dev 1.148
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

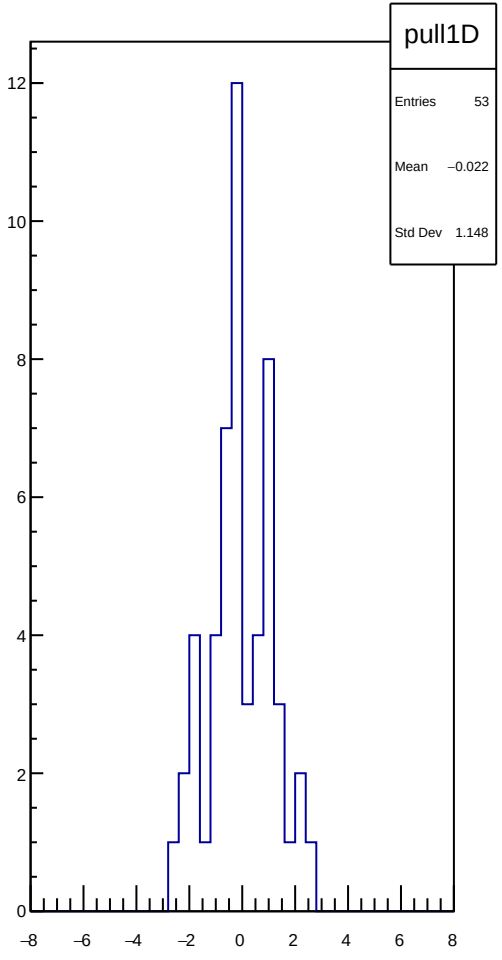

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 5305 / 52
p0 592.2 ± 0.5933
700
680
660
640
620
600
580
560
540
520

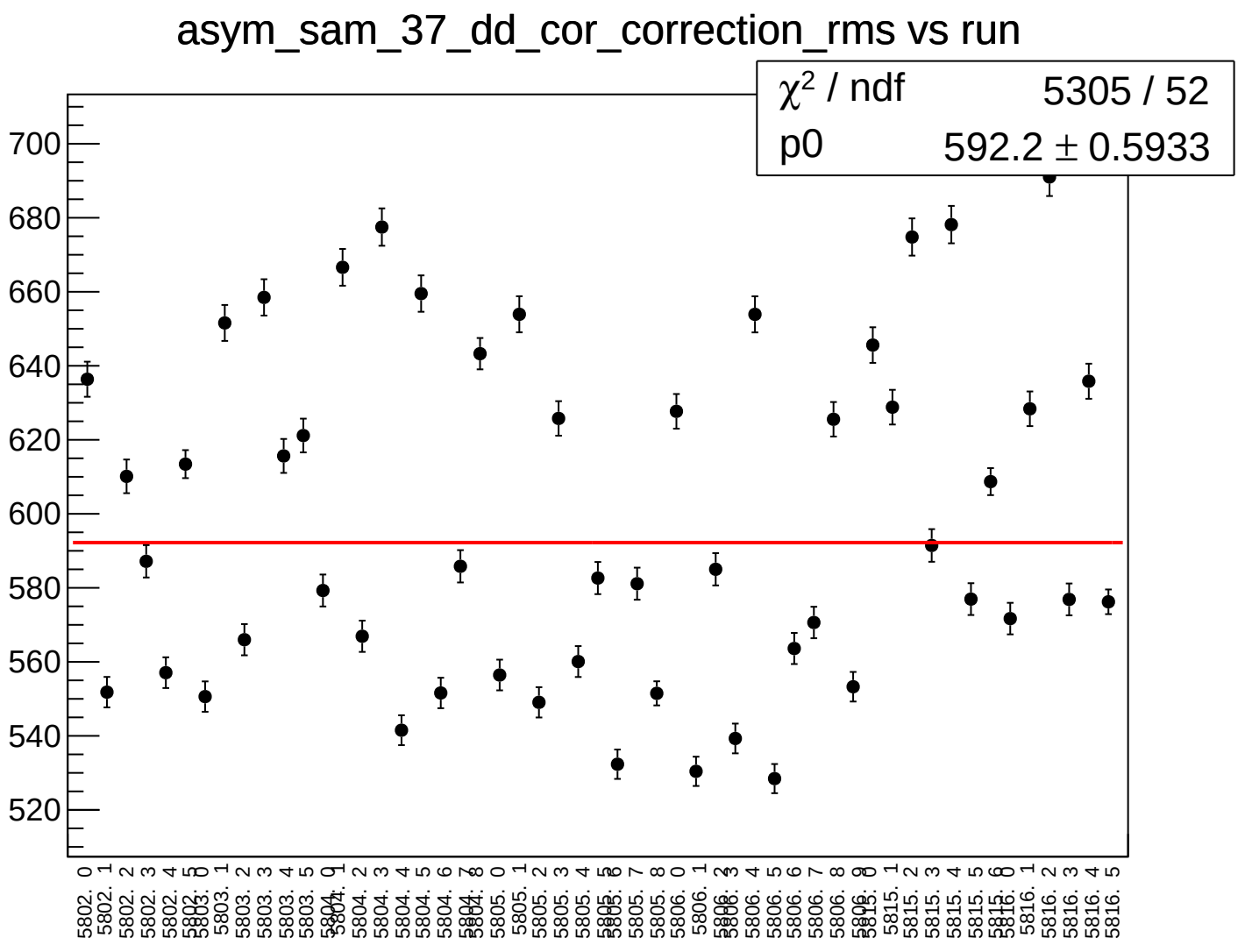

cor_asym_sam_37_dd_mean vs run
χ² / ndf 69.18 / 52
p0 71.88 ± 81.52
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −206.1
Std Dev 0
2
1
0
−1
−2

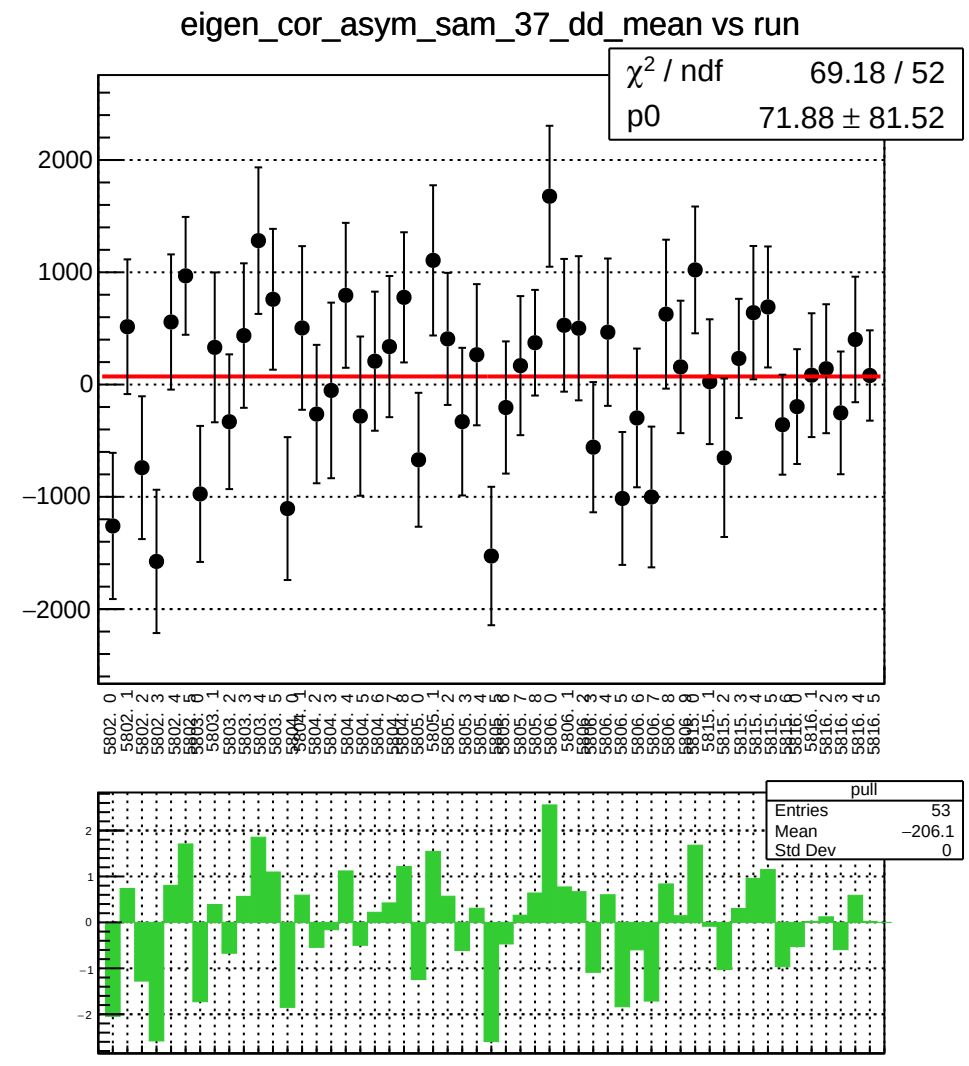

pull1D
Entries 53
Mean −0.005945
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

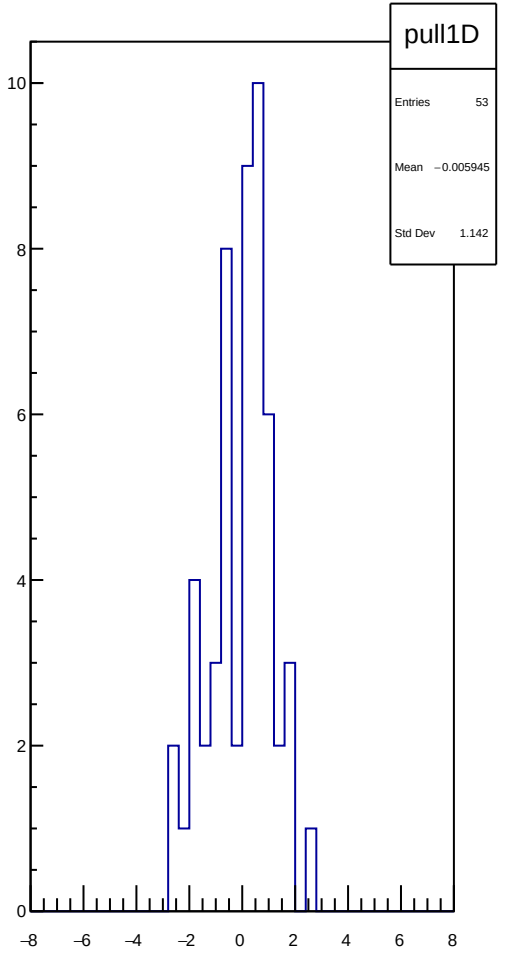

cor_asym_sam_37_dd_rms vs run
χ² / ndf 6950 / 52
p0 57.49 ± 0.05765
75
70
65
60
55
50

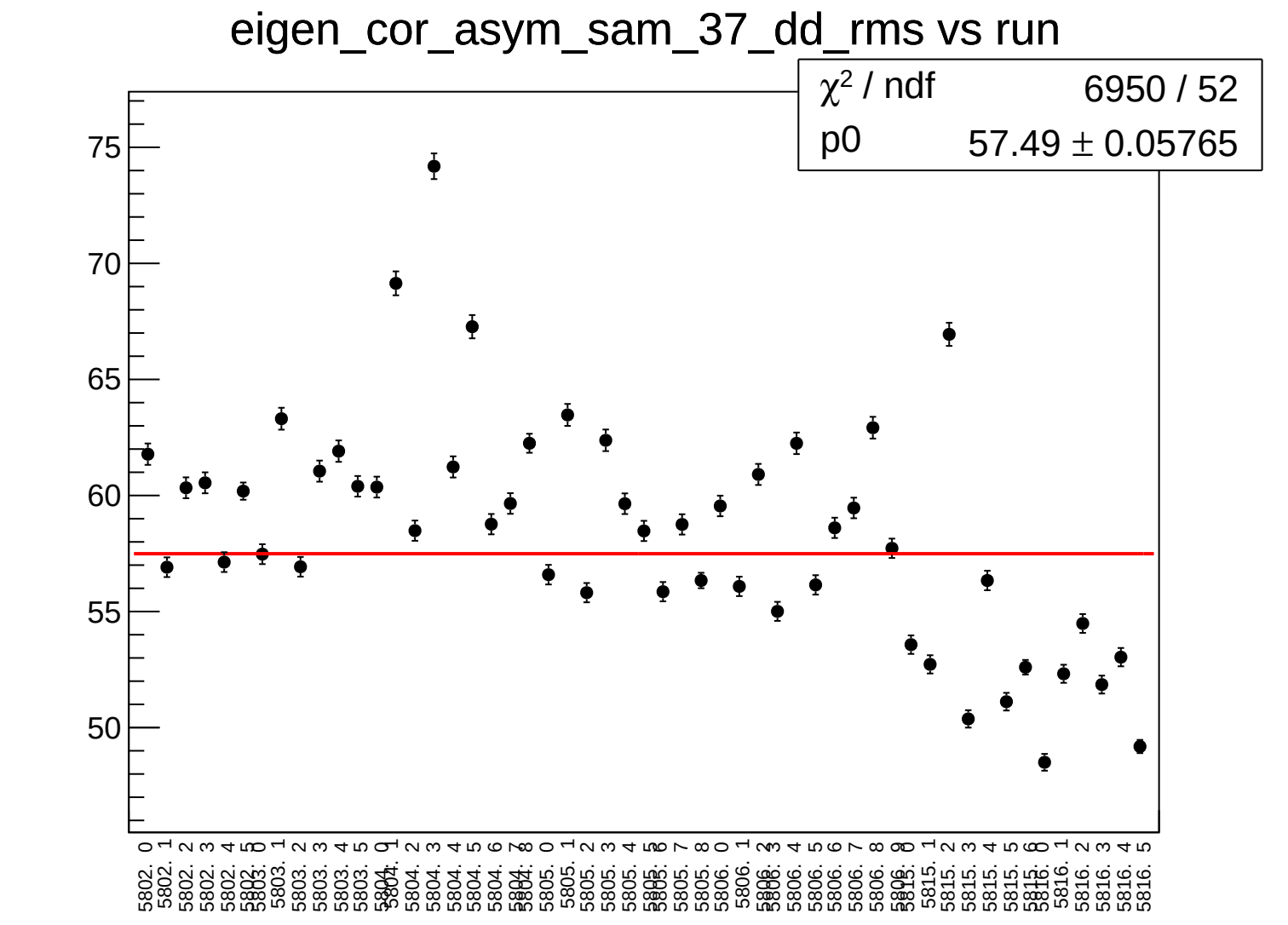

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 69.9 / 52
p0 371.2 ± 839.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −101.5
Std Dev 0
2
1
0
−1
−2

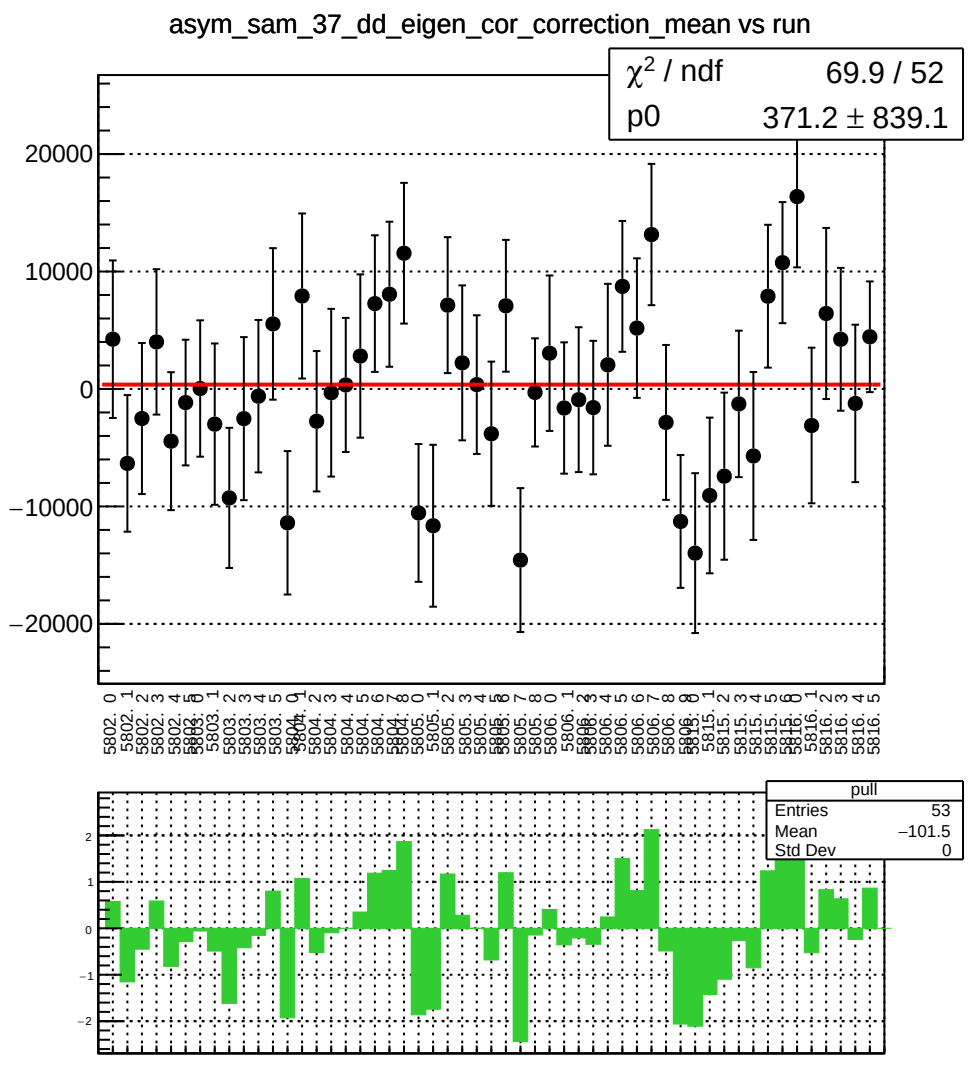

pull1D
Entries 53
Mean −0.022
Std Dev 1.148
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

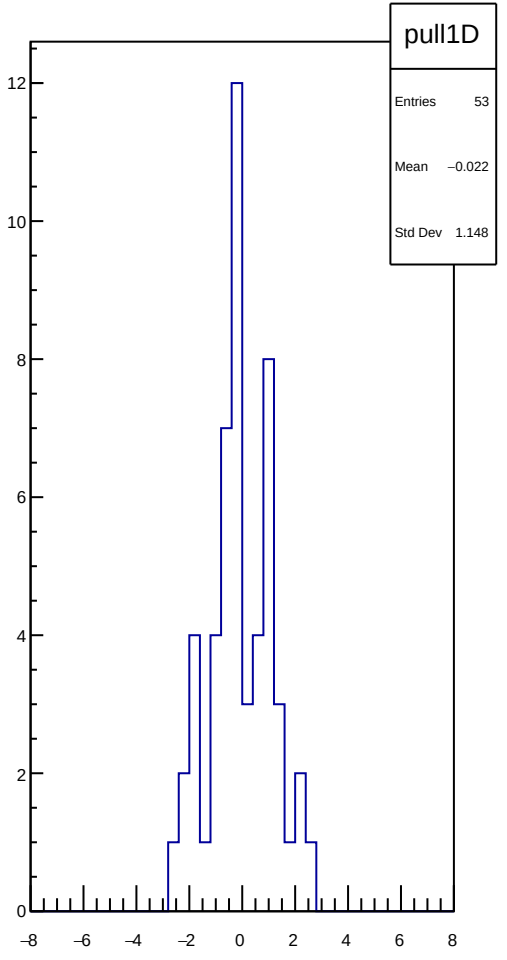

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 5305 / 52
p0 592.2 ± 0.5933
700
680
660
640
620
600
580
560
540
520

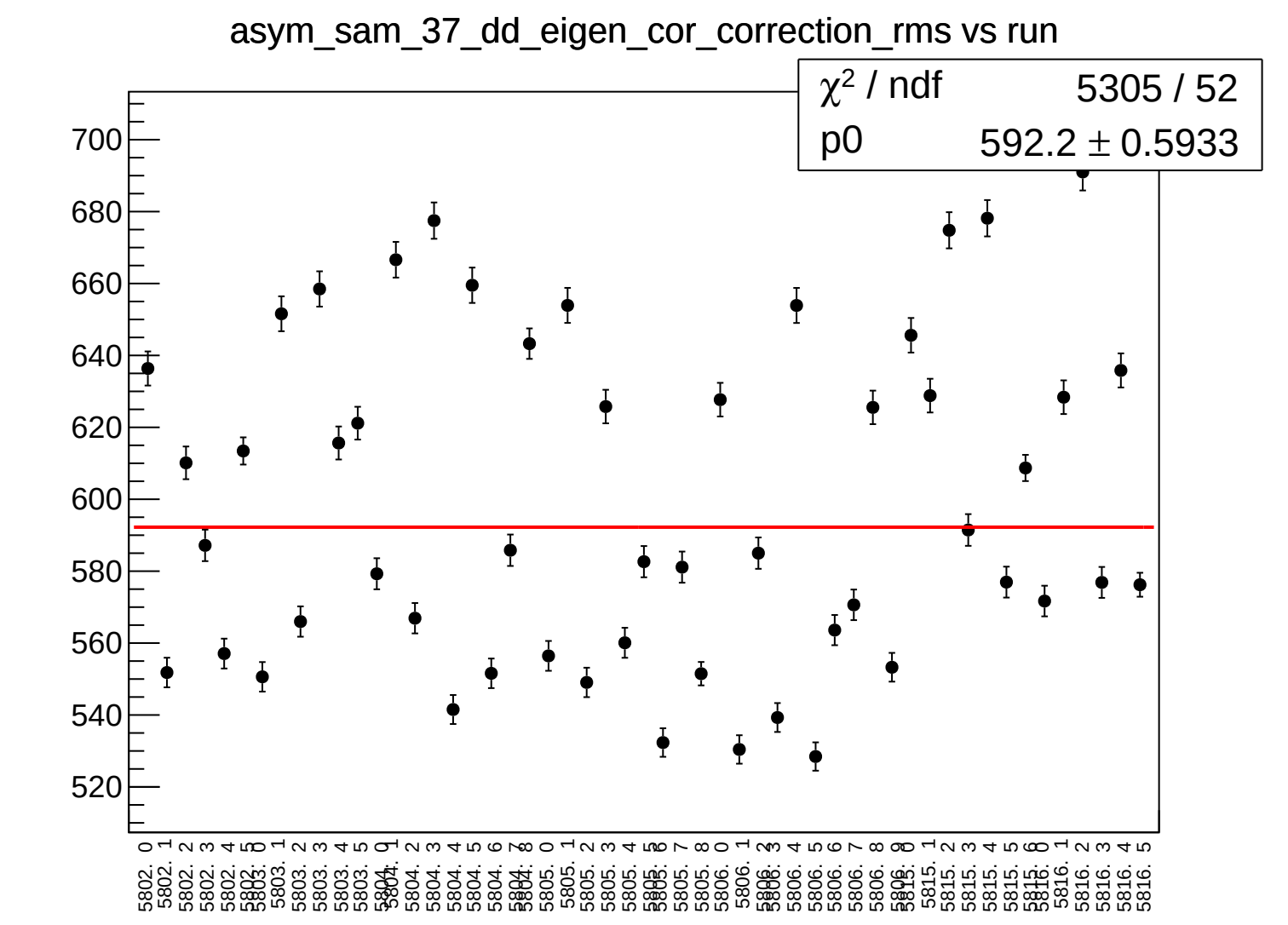

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 69.18 / 52
p0 71.88 ± 81.52
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −206.1
Std Dev 0
2
1
0
−1

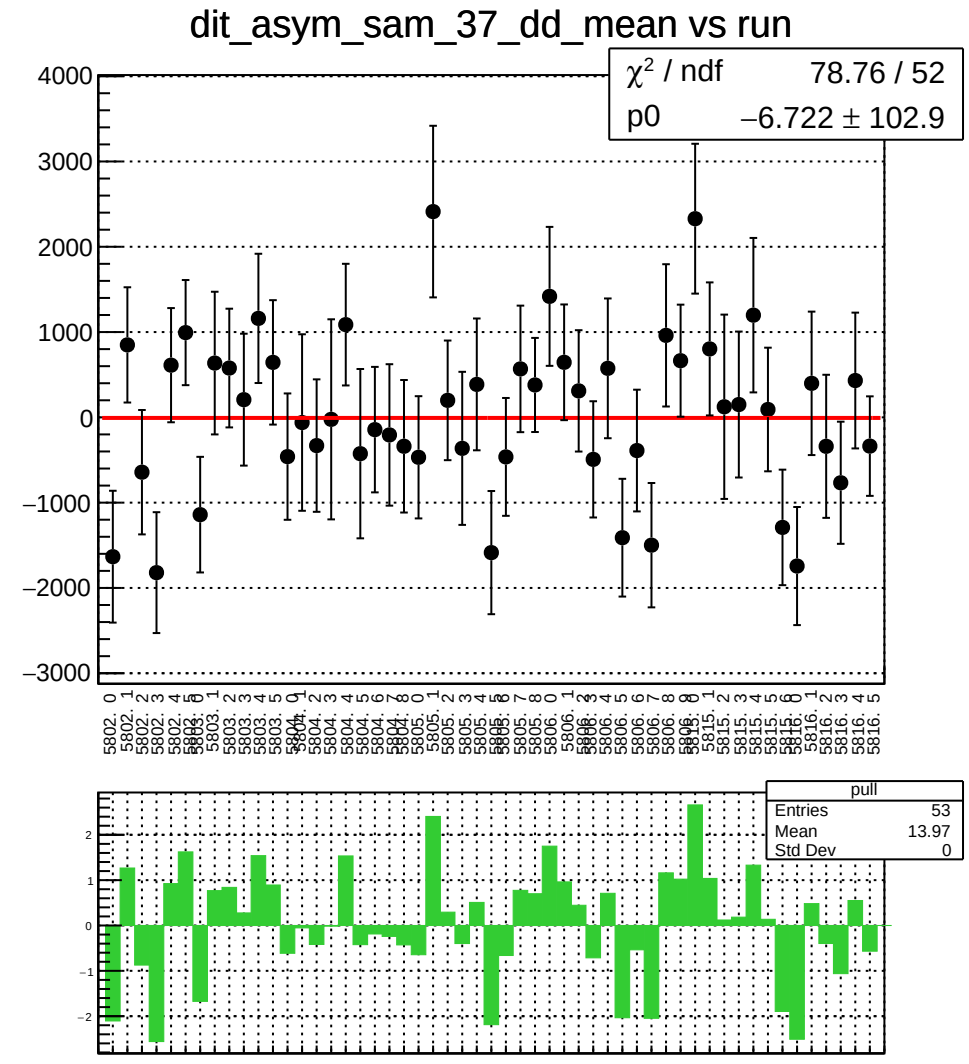

pull1D
Entries 53
Mean −0.005945
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

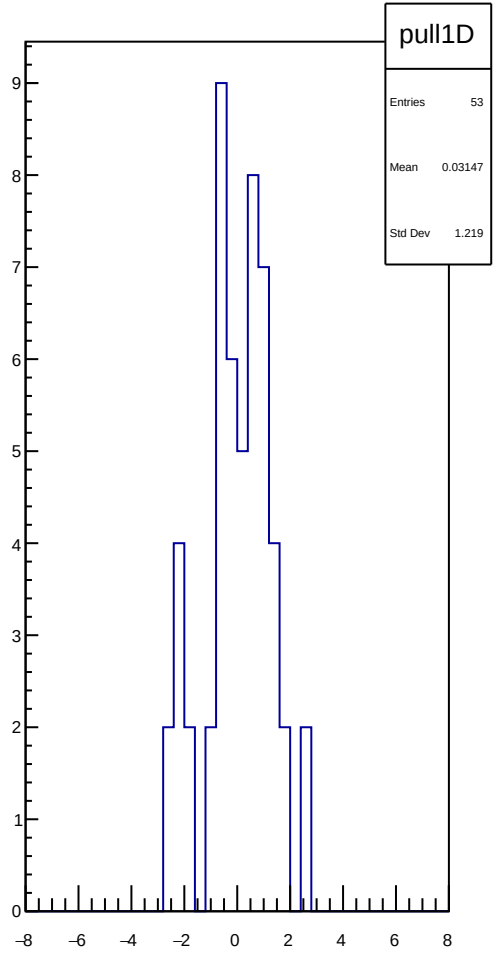

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 6950 / 52
p0 57.49 ± 0.05765
75
70
65
60
55
50
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

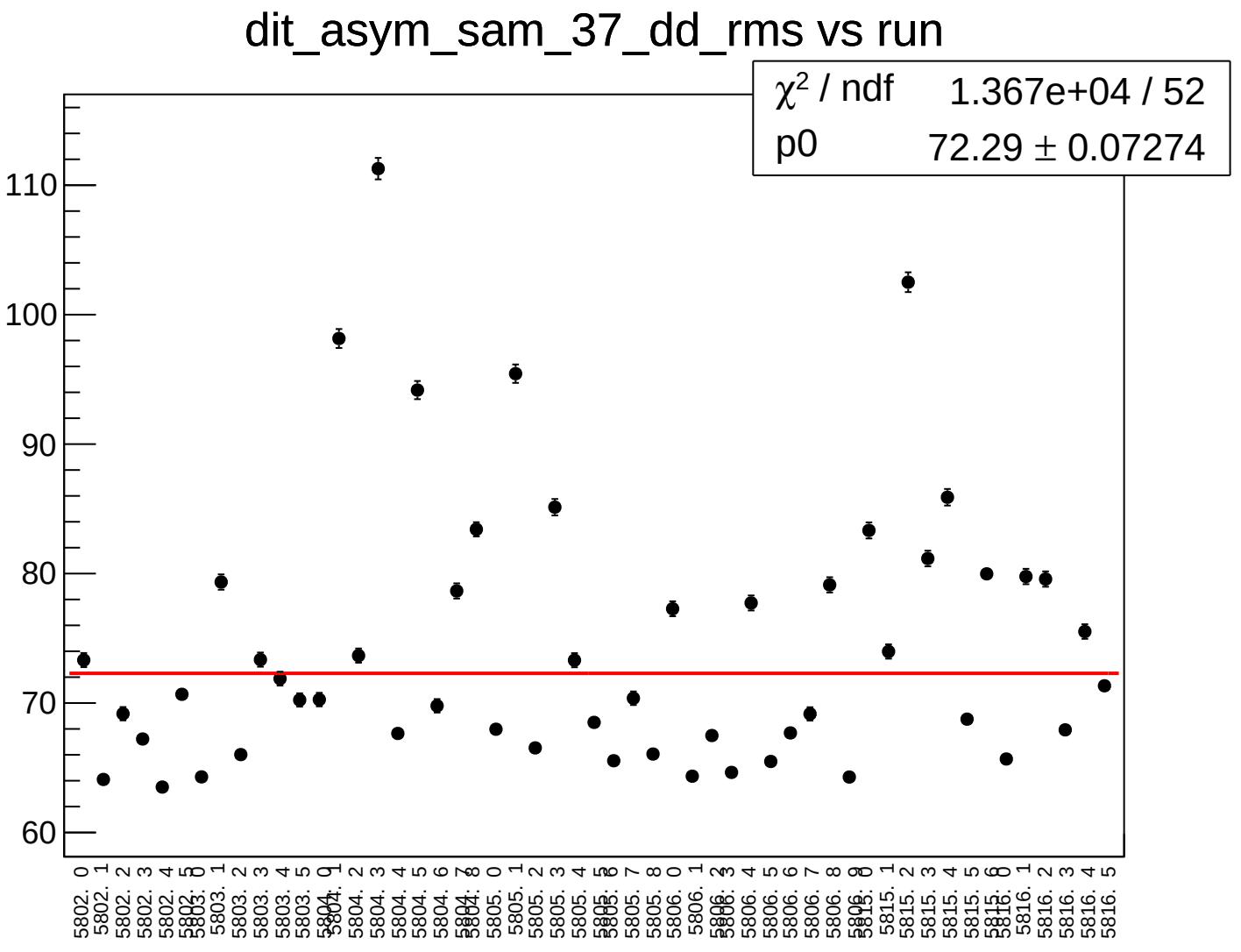

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.9 / 52
p0 371.2 ± 839.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −101.5
Std Dev 0
2
1
0
−1
−2

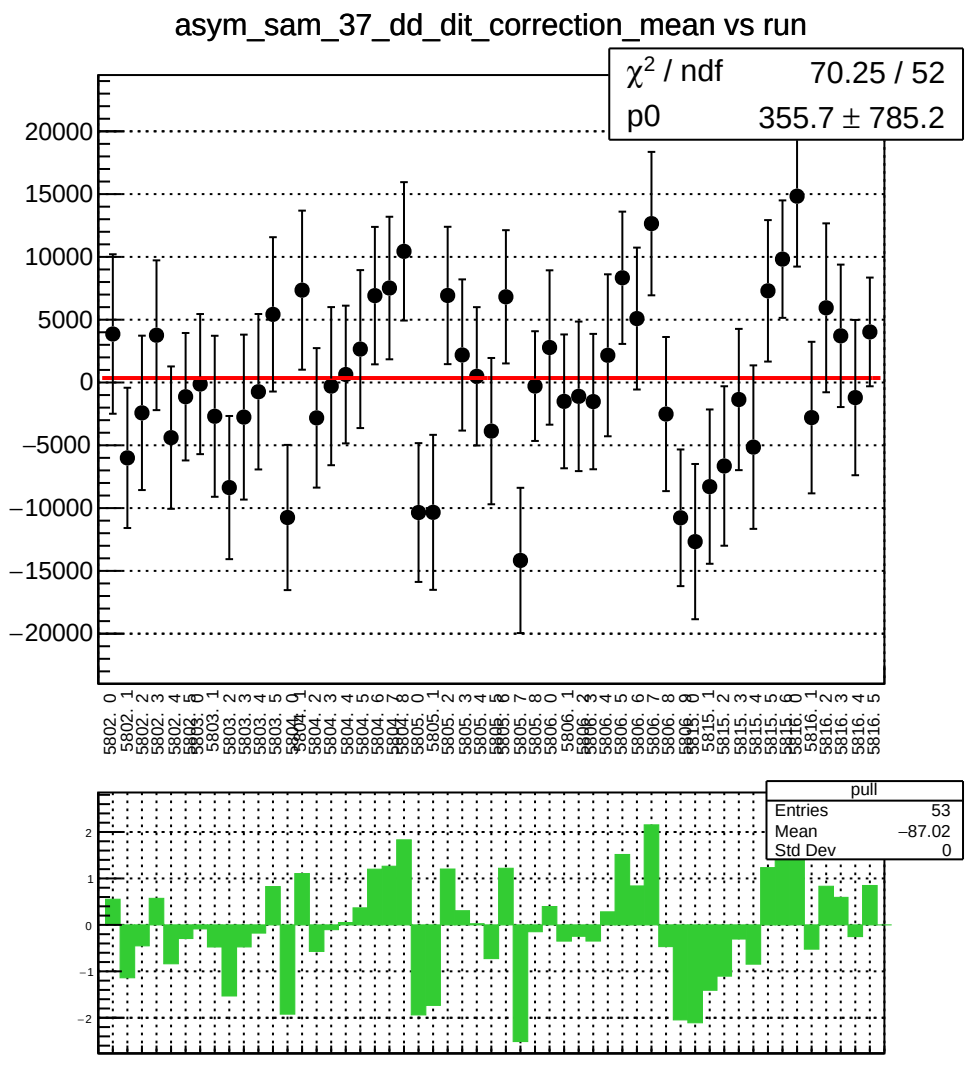

pull1D
Entries 53
Mean −0.022
Std Dev 1.148
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

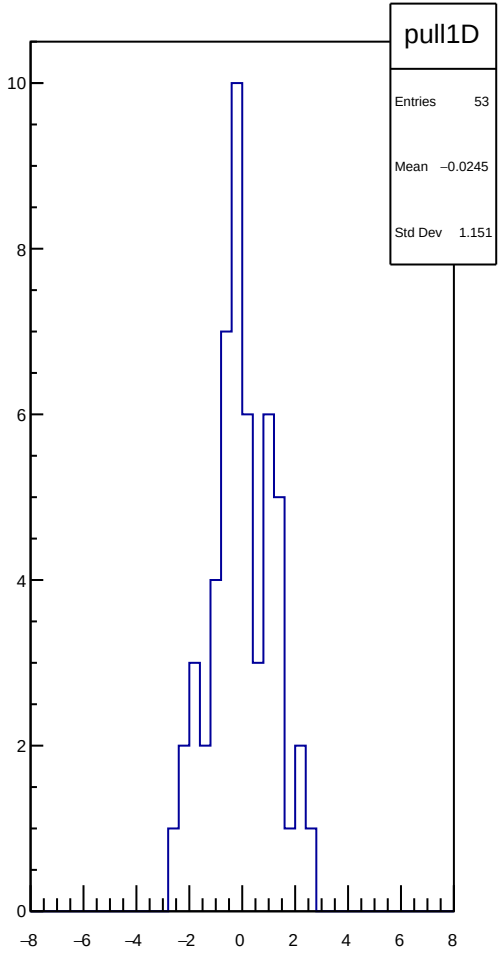

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5305 / 52
p0 592.2 ± 0.5933
700
680
660
640
620
600
580
560
540
520

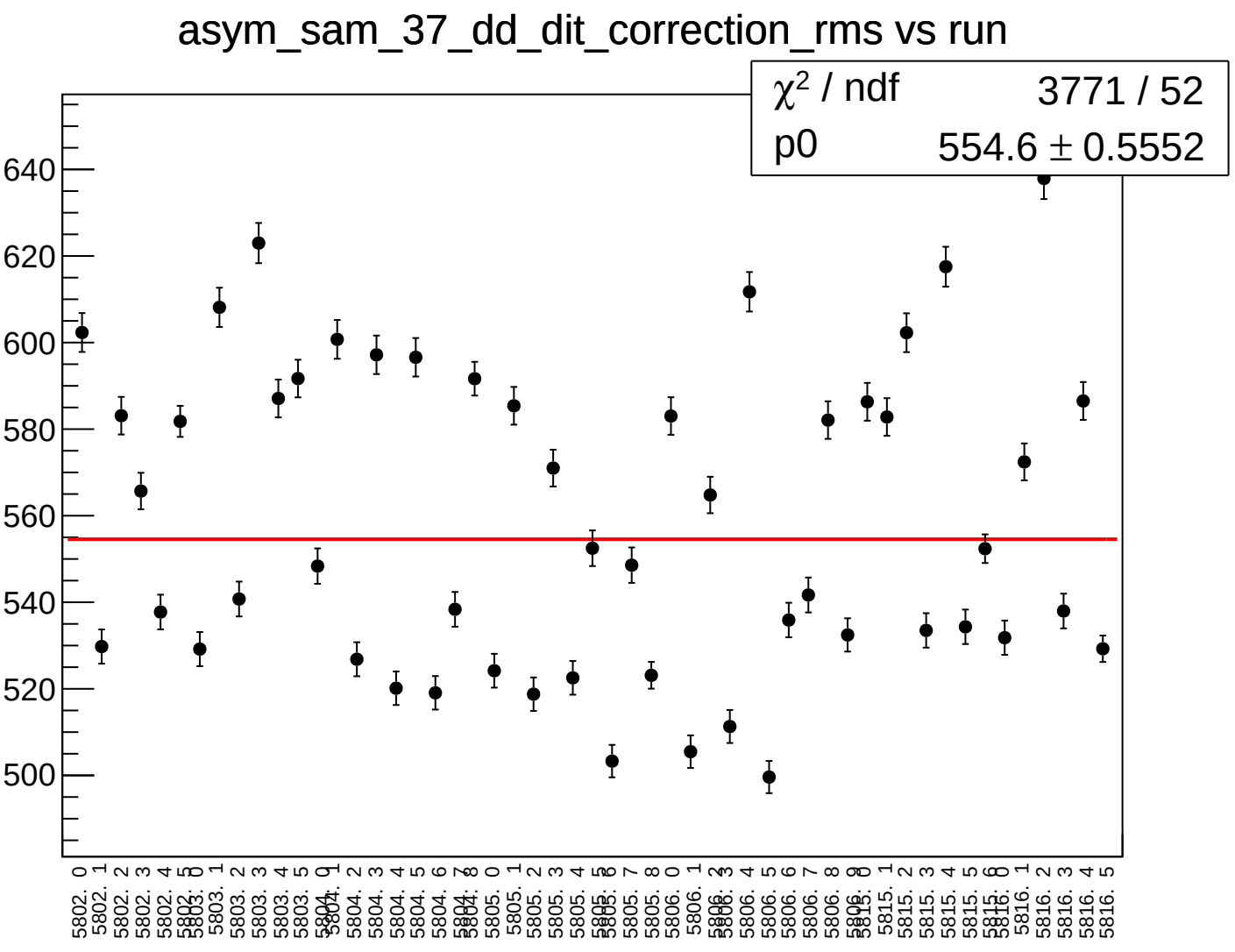

dit_asym_sam_37_dd_mean vs run
χ² / ndf 78.76 / 52
p0 −6.722 ± 102.9
pull
Entries 53
Mean 13.97
Std Dev 0

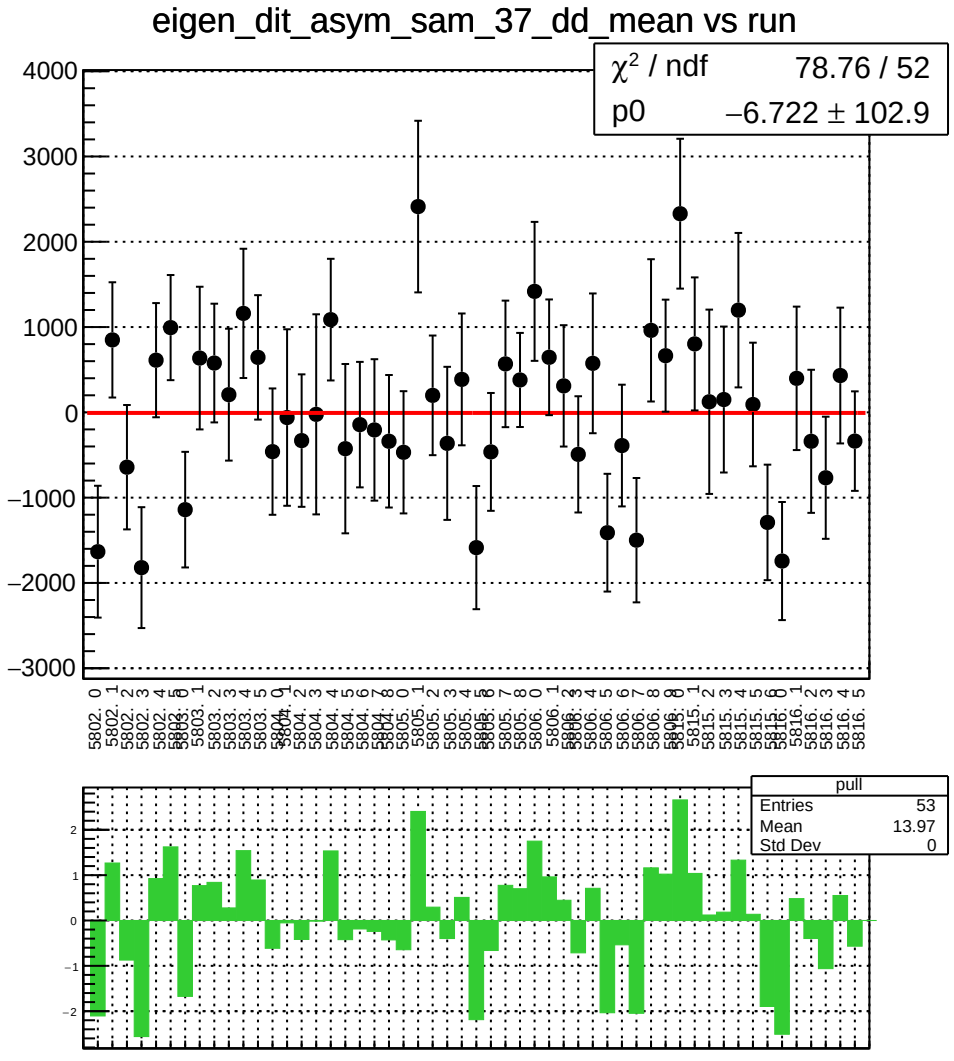

pull1D
Entries 53
Mean 0.03147
Std Dev 1.219

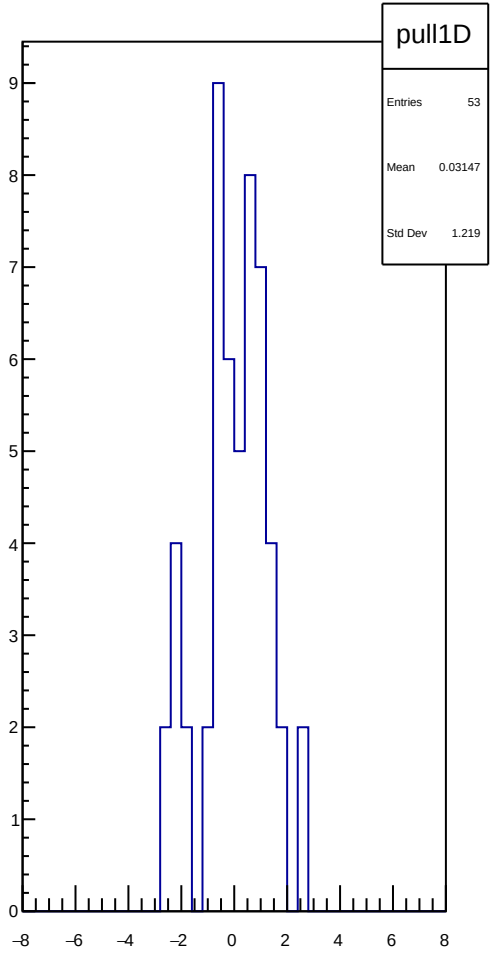

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.367e+04 / 52
p0 72.29 ± 0.07274
110
100
90
80
70
60

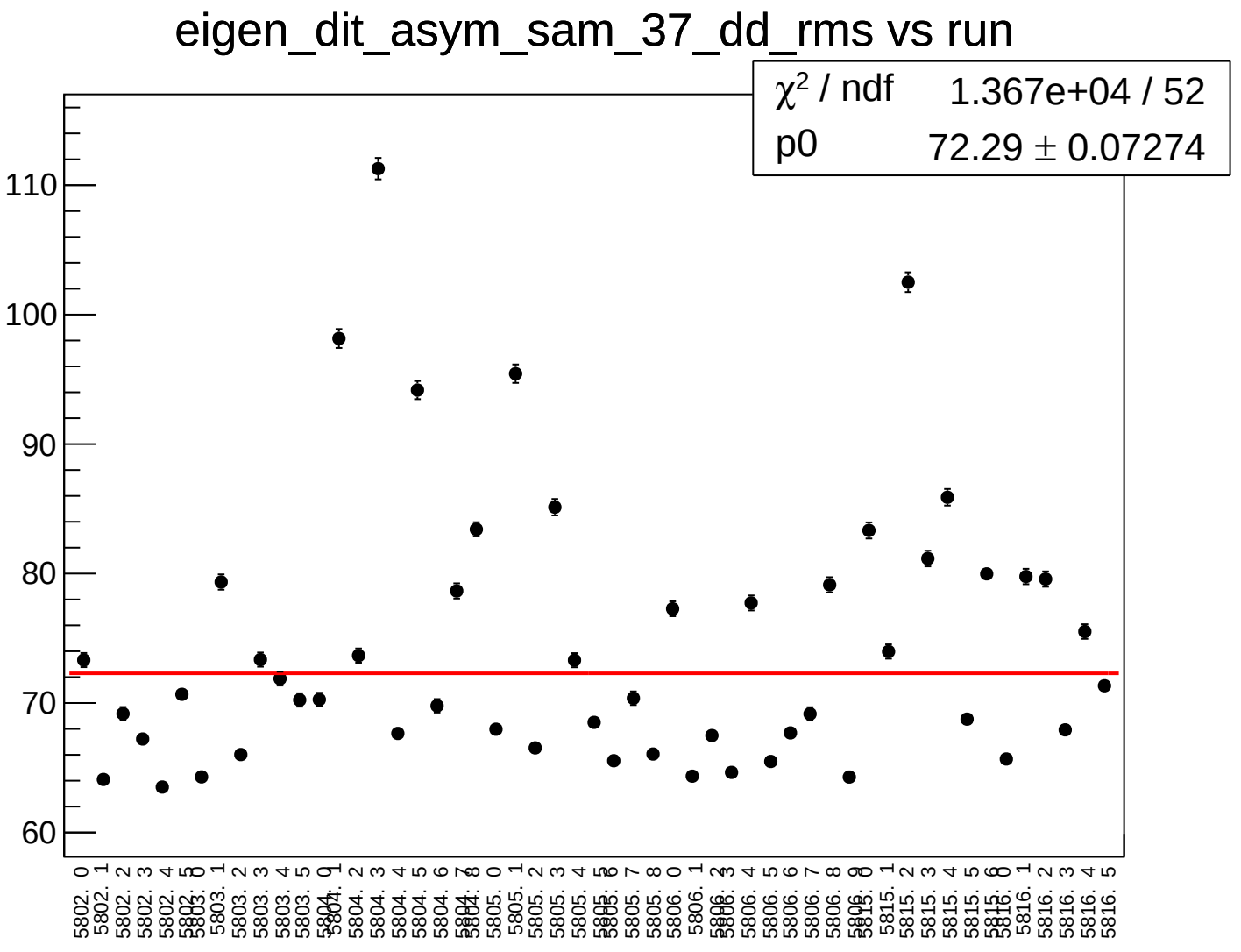

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 70.25 / 52
p0 355.7 ± 785.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −87.02
Std Dev 0
2
1
0
−1
−2

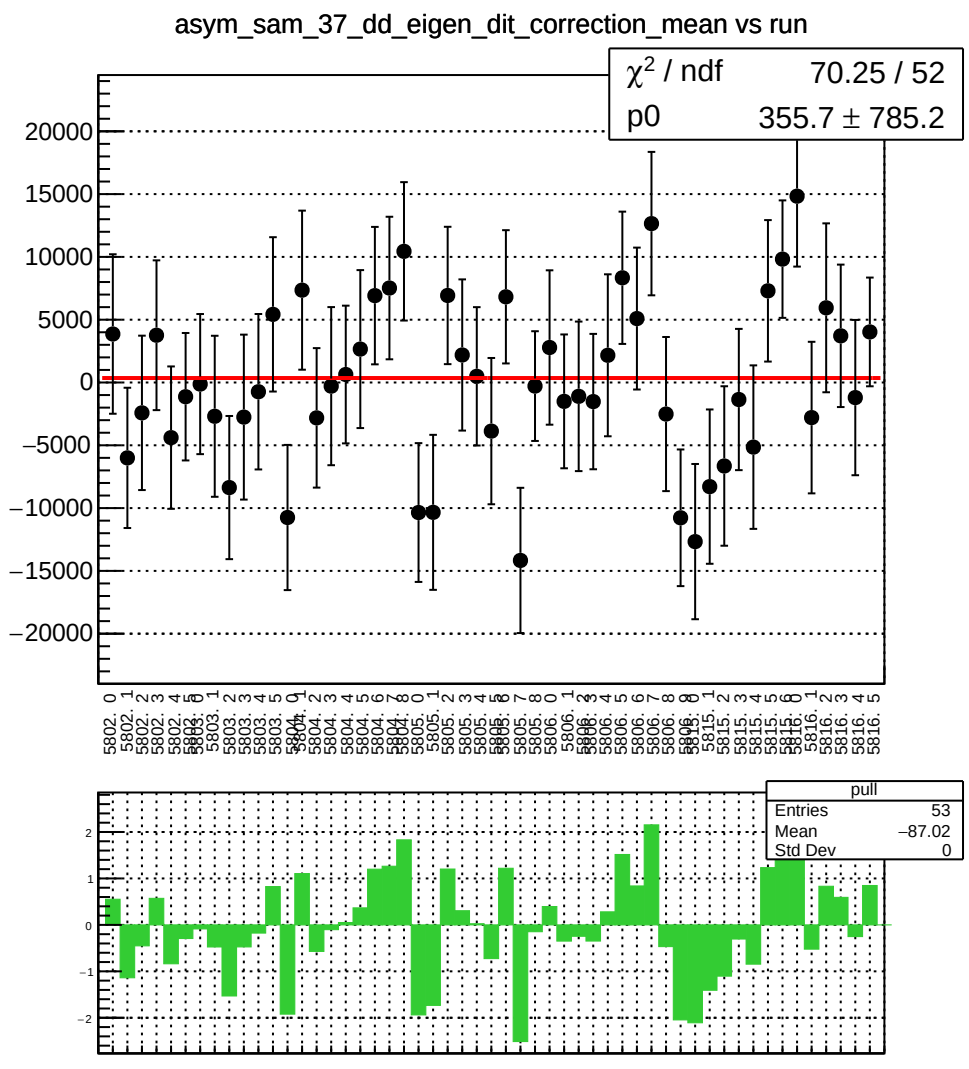

pull1D
Entries 53
Mean −0.0245
Std Dev 1.151
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

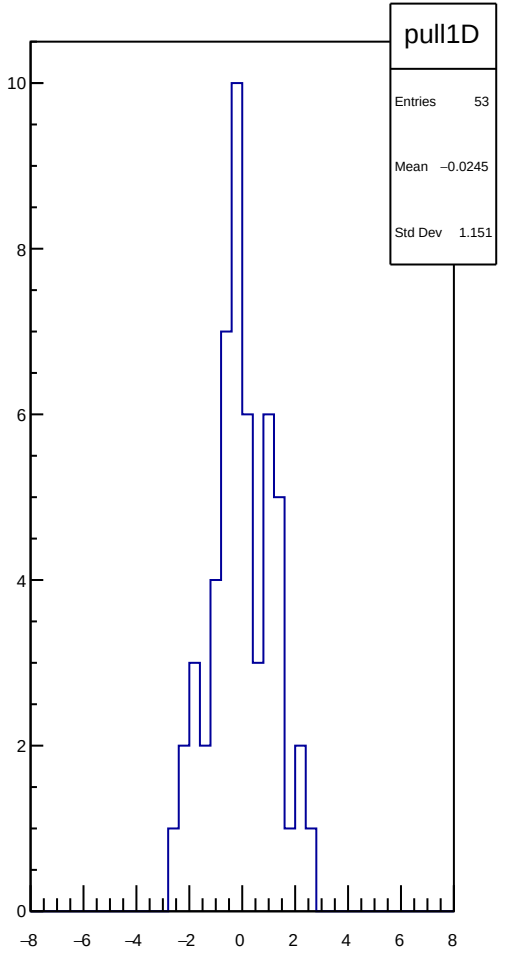

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3771 / 52
p0 554.6 ± 0.5552
640
620
600
580
560
540
520
500

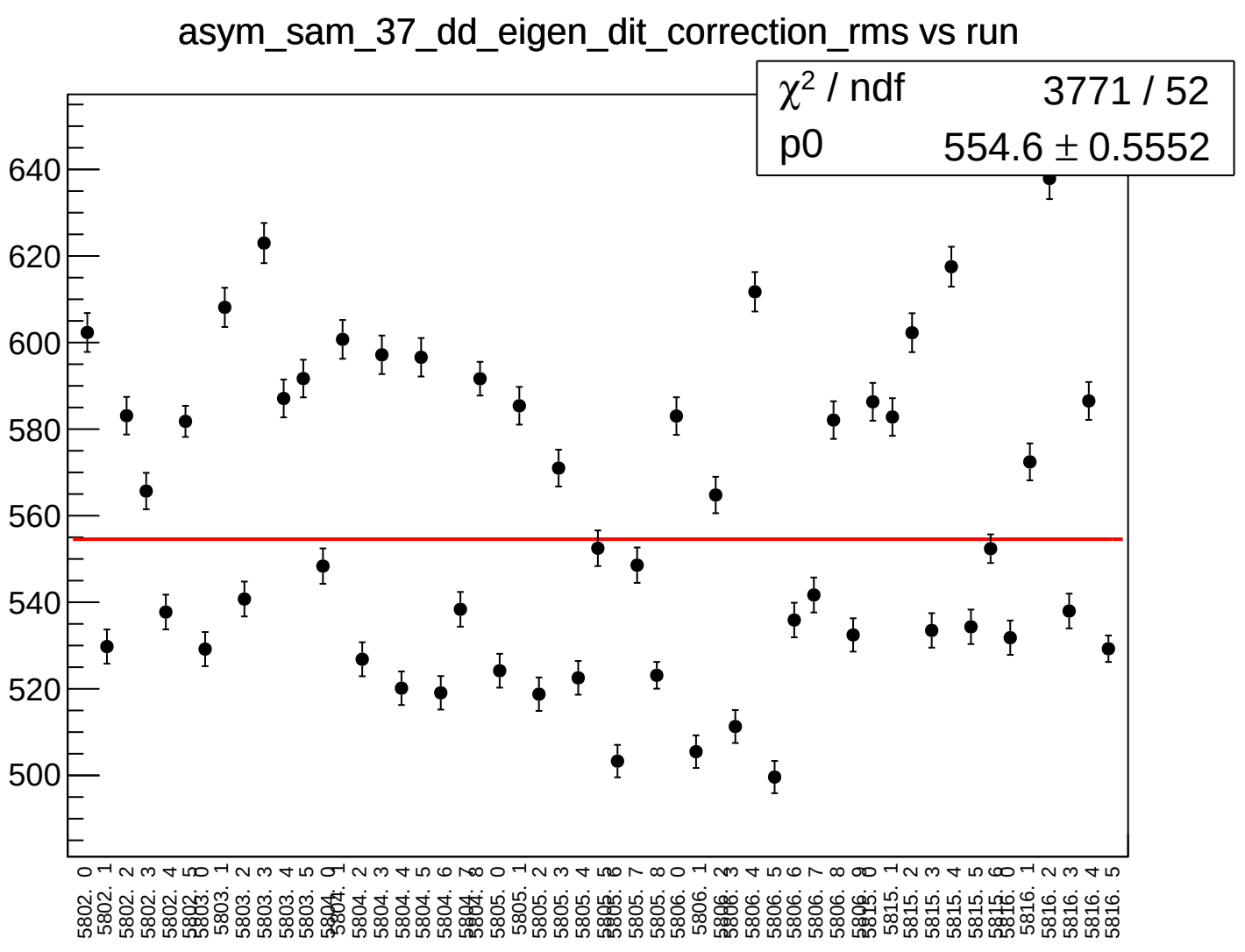

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 78.76 / 52
p0 −6.722 ± 102.9
pull
Entries 53
Mean 13.97
Std Dev 0

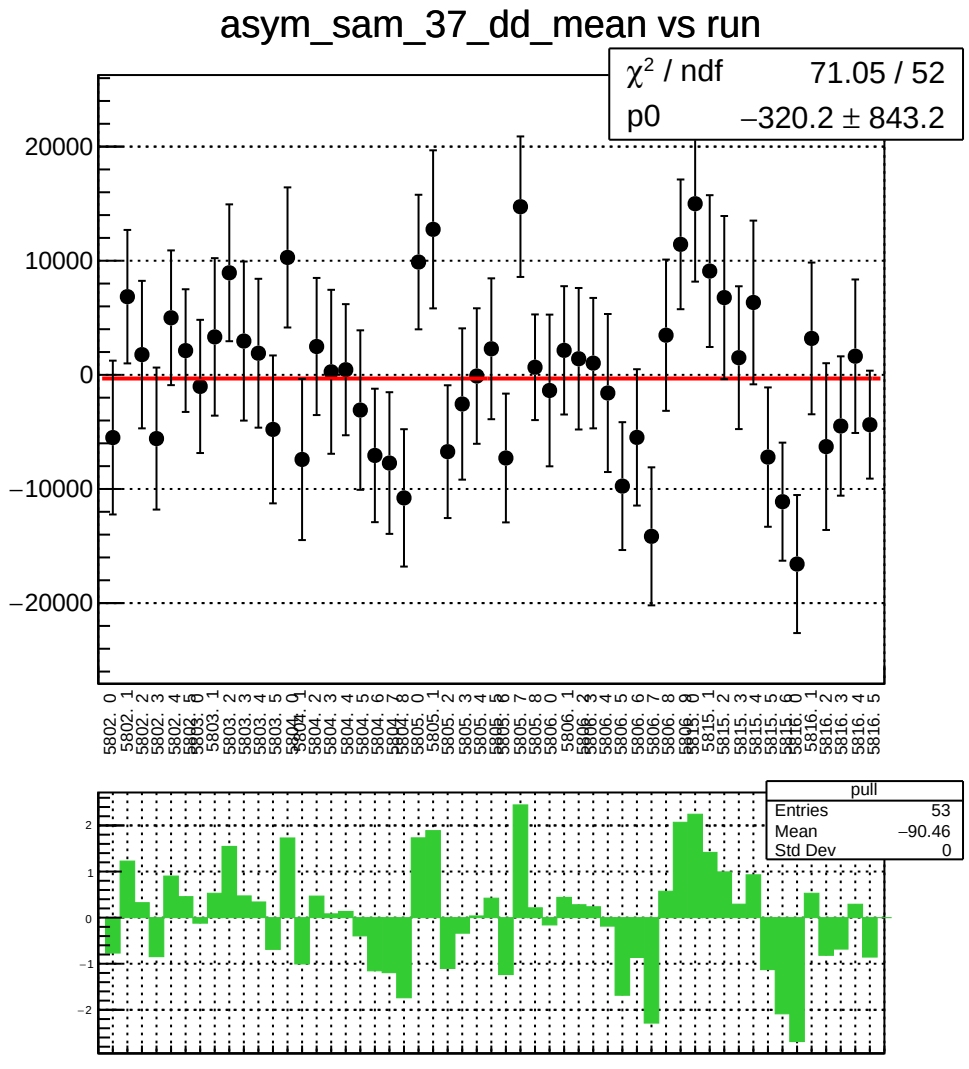

pull1D
Entries 53
Mean 0.03147
Std Dev 1.219

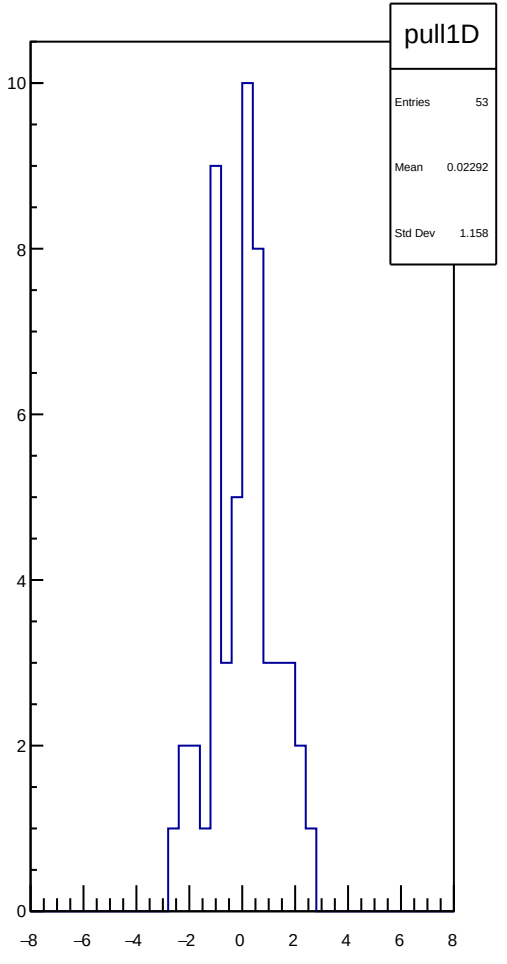

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.367e+04 / 52
p0 72.29 ± 0.07274
110
100
90
80
70
60

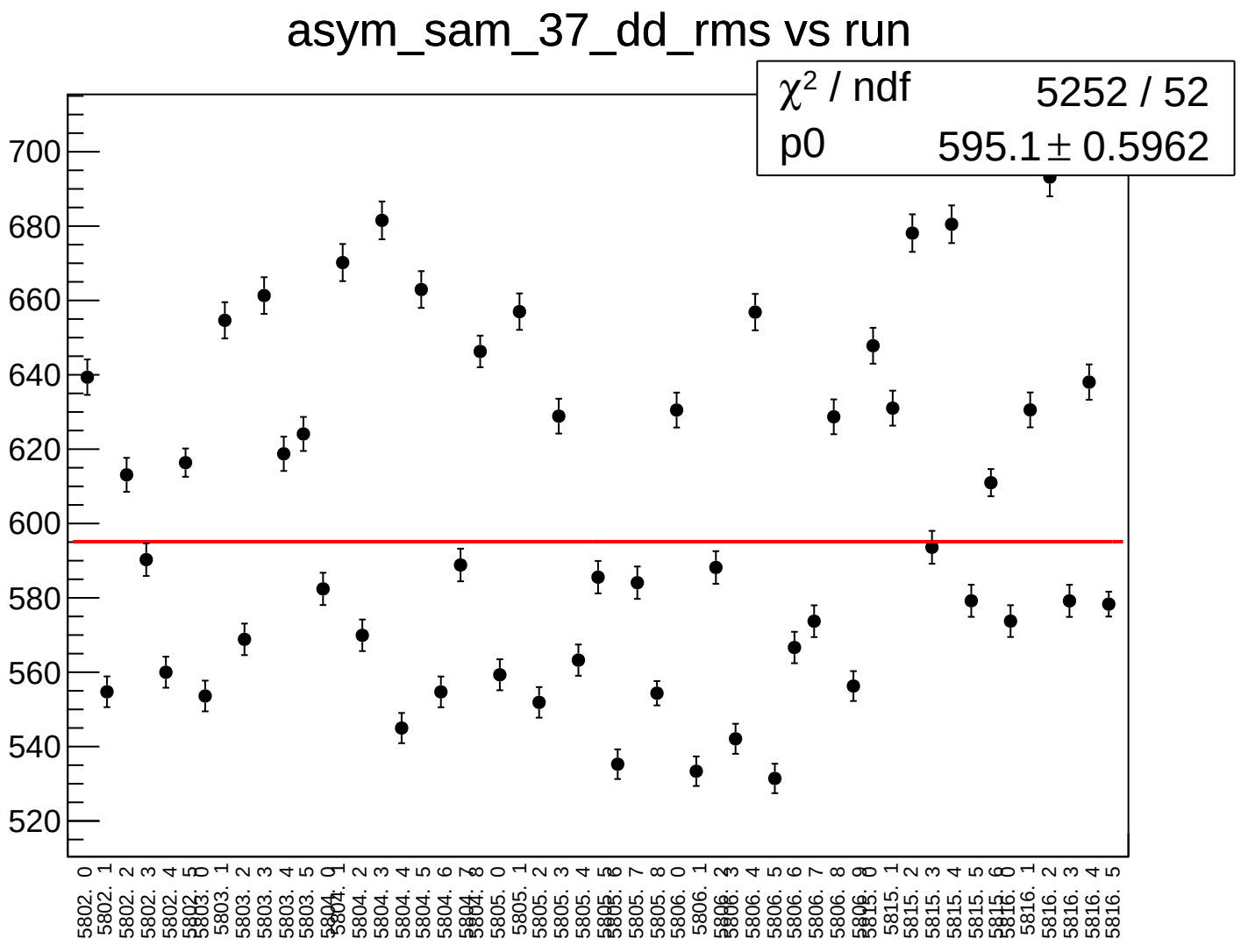

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.25 / 52
p0 355.7 ± 785.2
pull
Entries 53
Mean −87.02
Std Dev 0

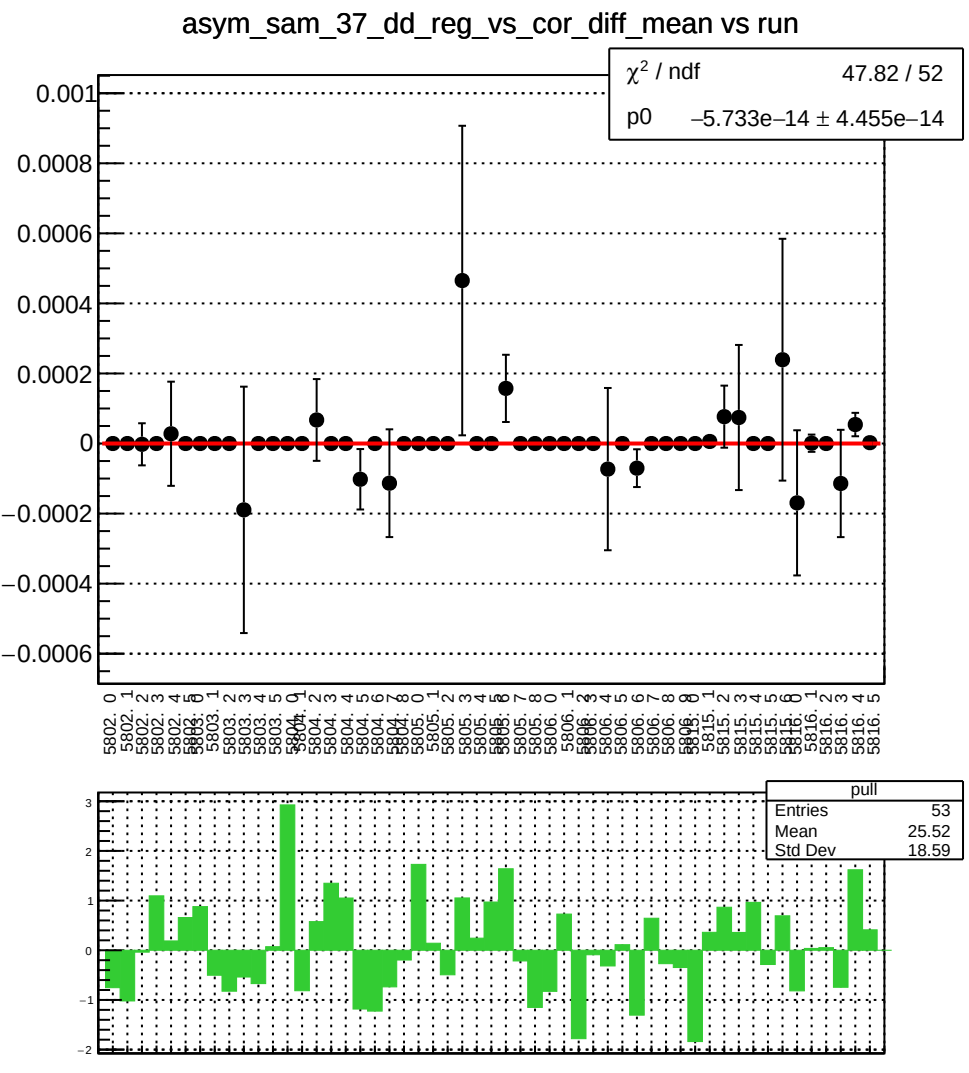

pull1D
Entries 53
Mean −0.0245
Std Dev 1.151

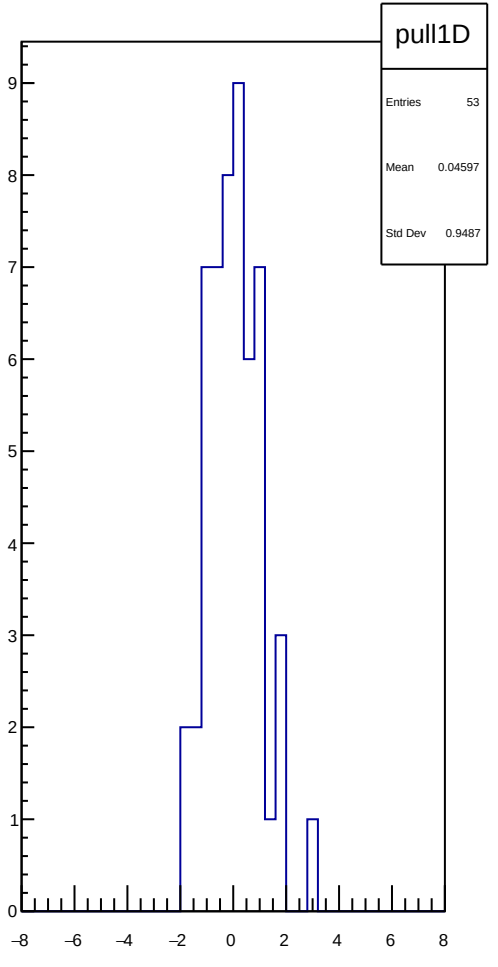

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3771 / 52
p0 554.6 ± 0.5552
640
620
600
580
560
540
520
500

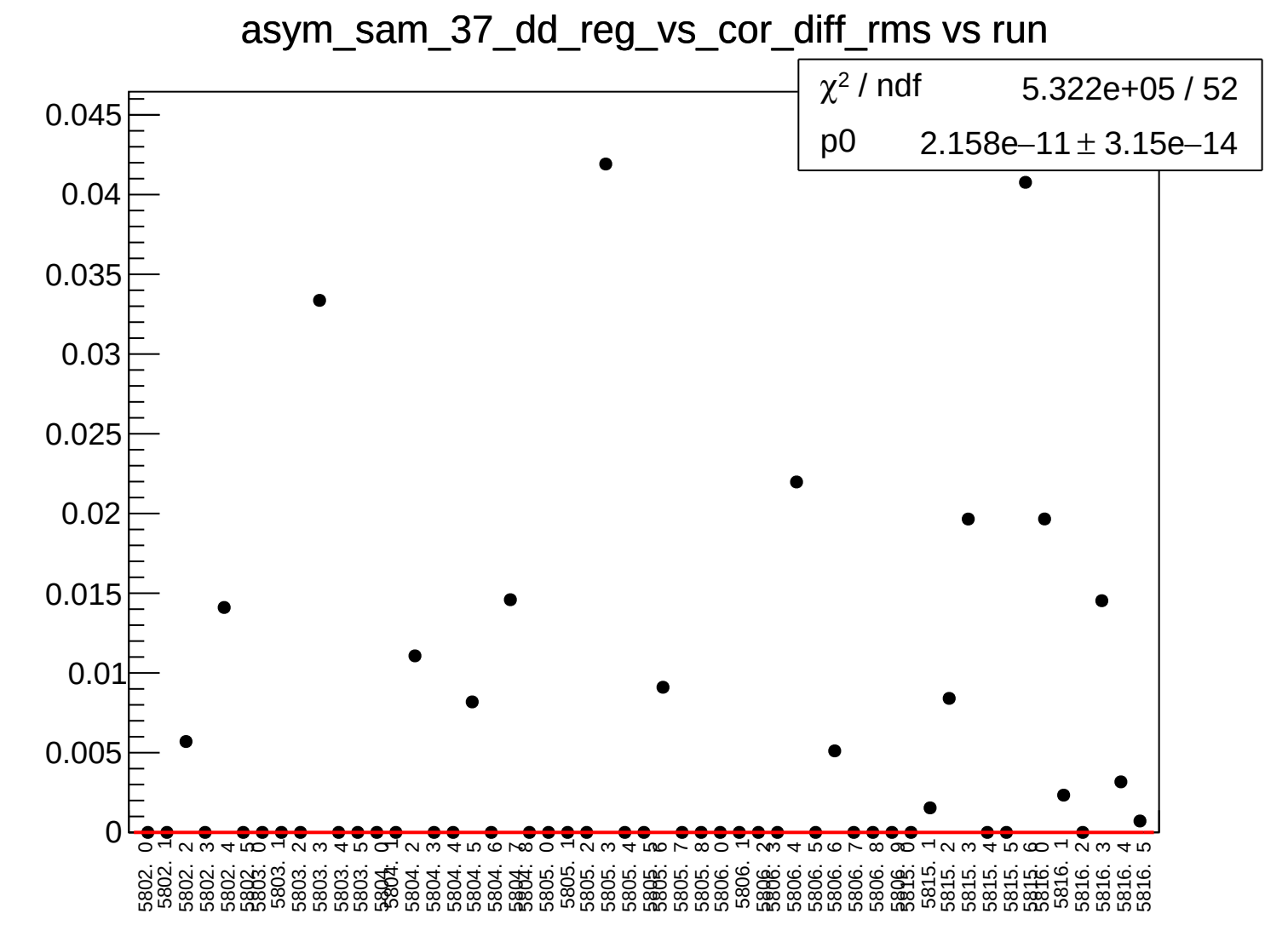

asym_sam_37_dd_mean vs run
χ² / ndf 71.05 / 52
p0 −320.2 ± 843.2
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −90.46
Std Dev 0
2
1
0
−1
−2

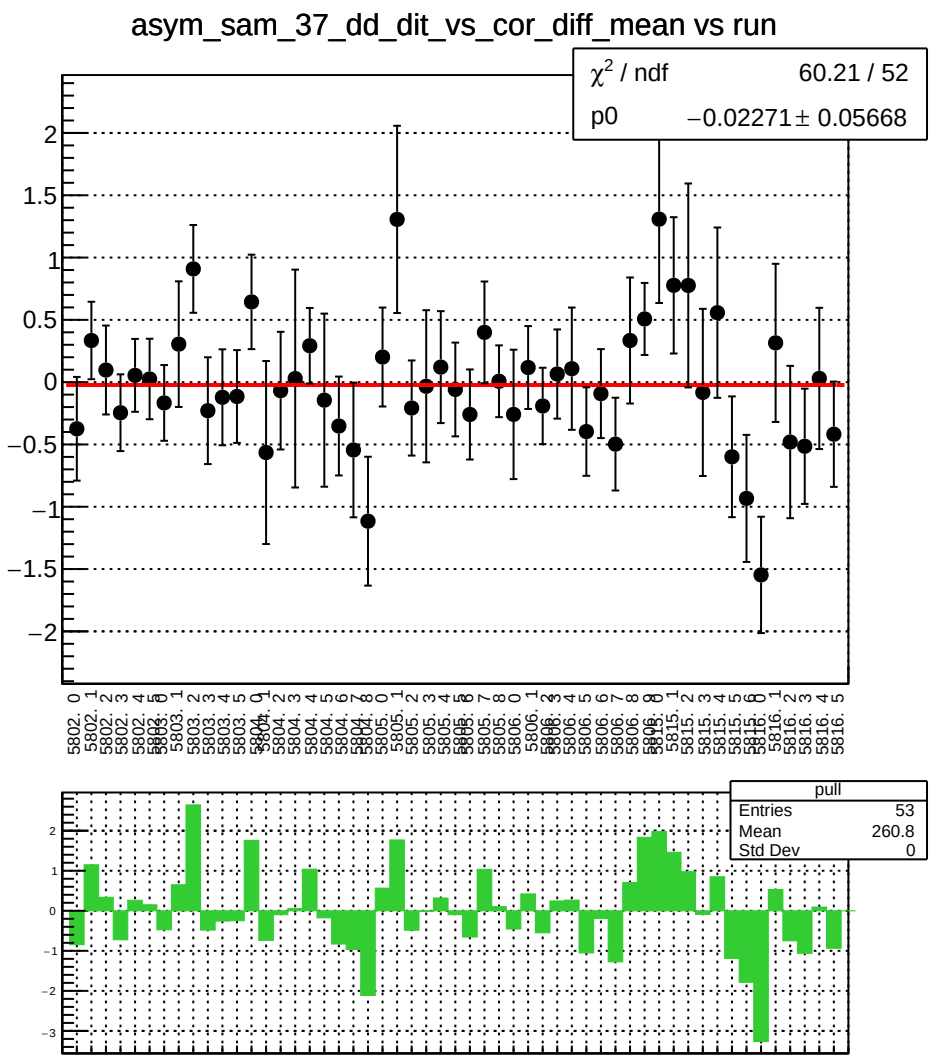

pull1D
Entries 53
Mean 0.02292
Std Dev 1.158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

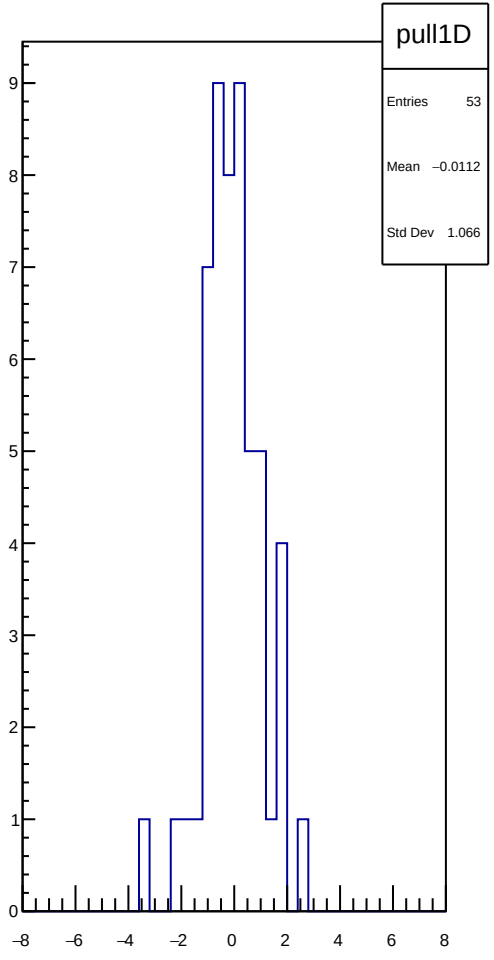

asym_sam_37_dd_rms vs run
χ² / ndf 5252 / 52
p0 595.1 ± 0.5962
700
680
660
640
620
600
580
560
540
520

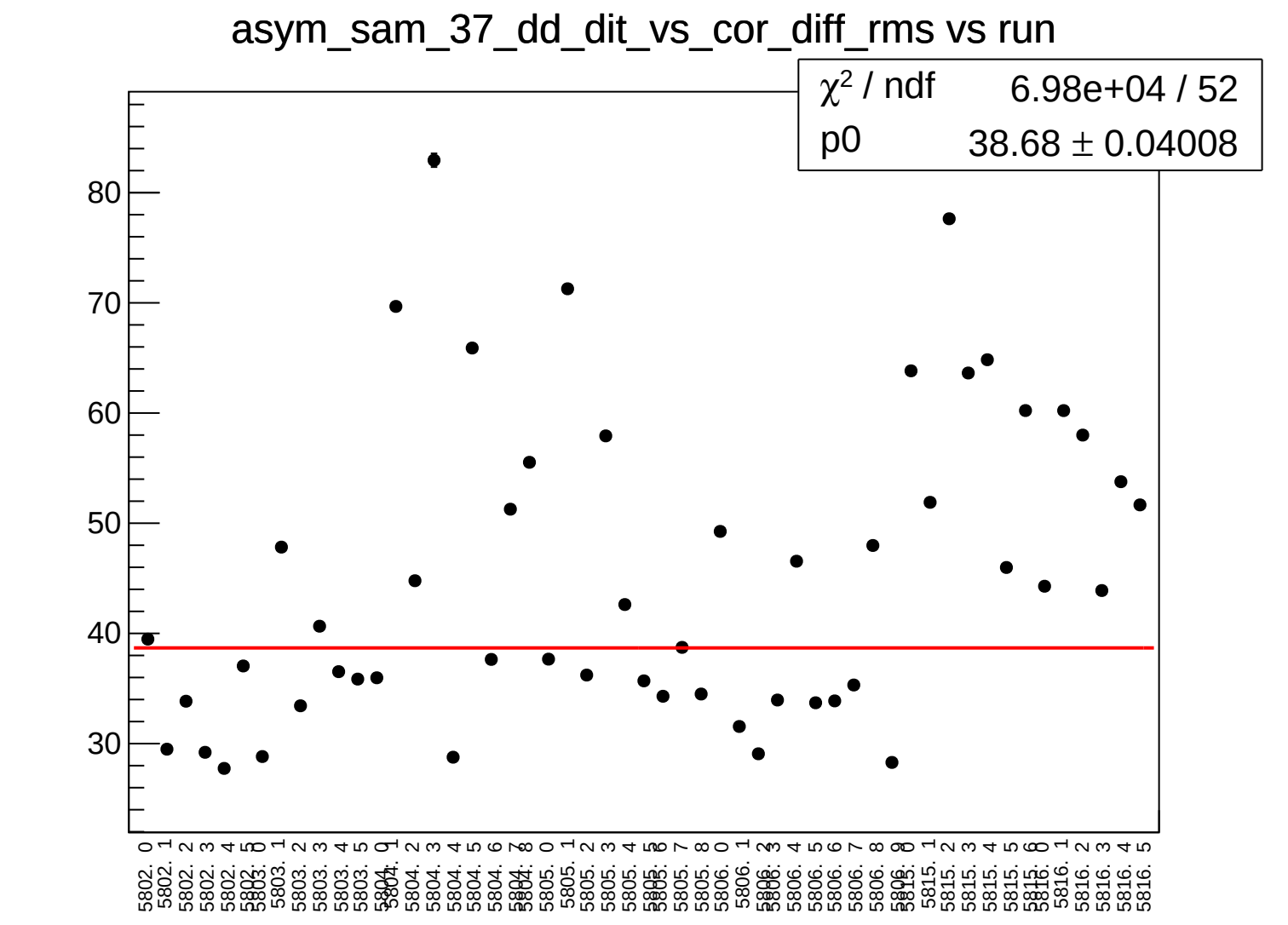

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.82 / 52
p0 −5.733e−14 ± 4.455e−14
pull
Entries 53
Mean 25.52
Std Dev 18.59

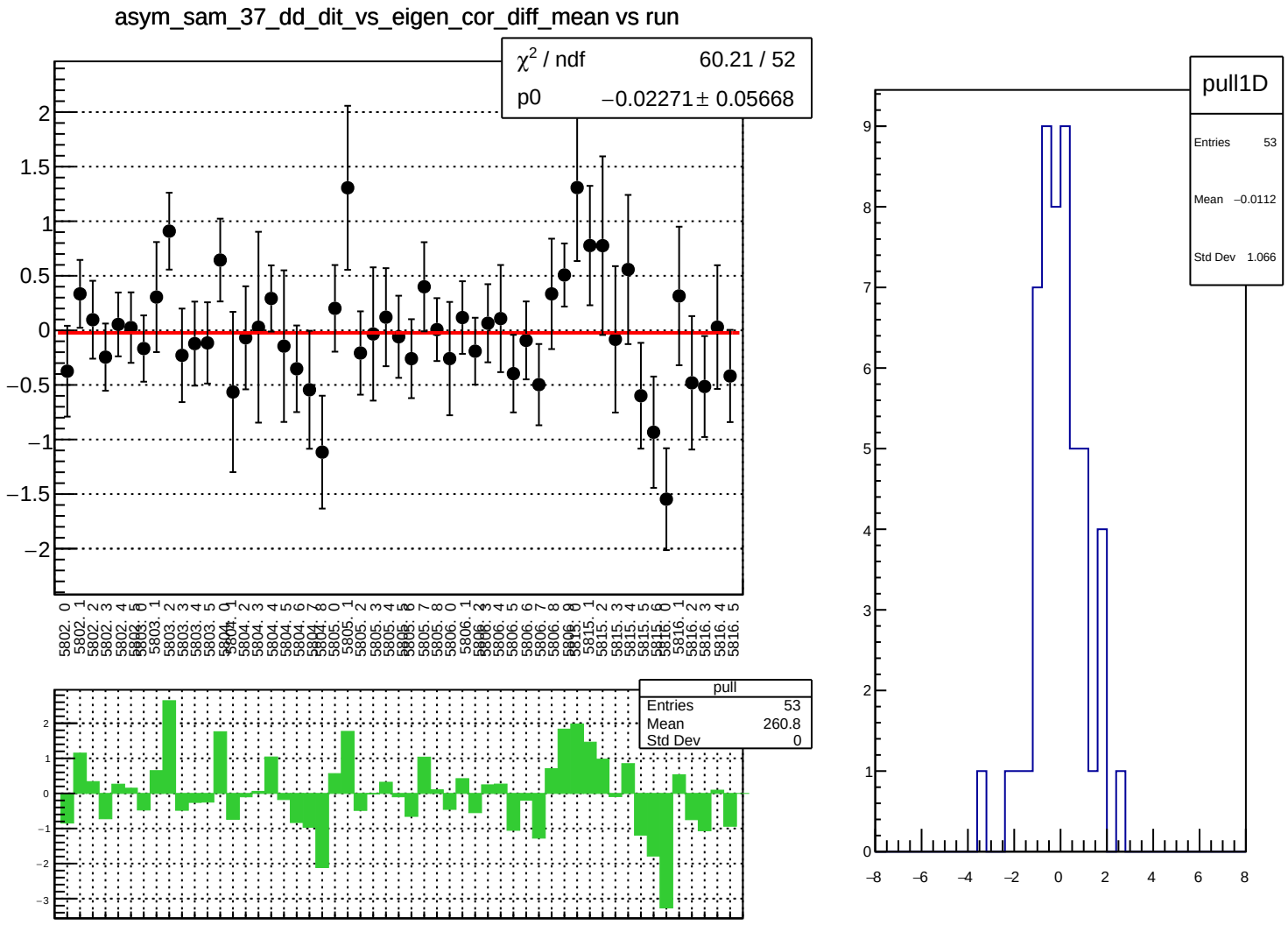

pull1D
Entries 53
Mean 0.04597
Std Dev 0.9487

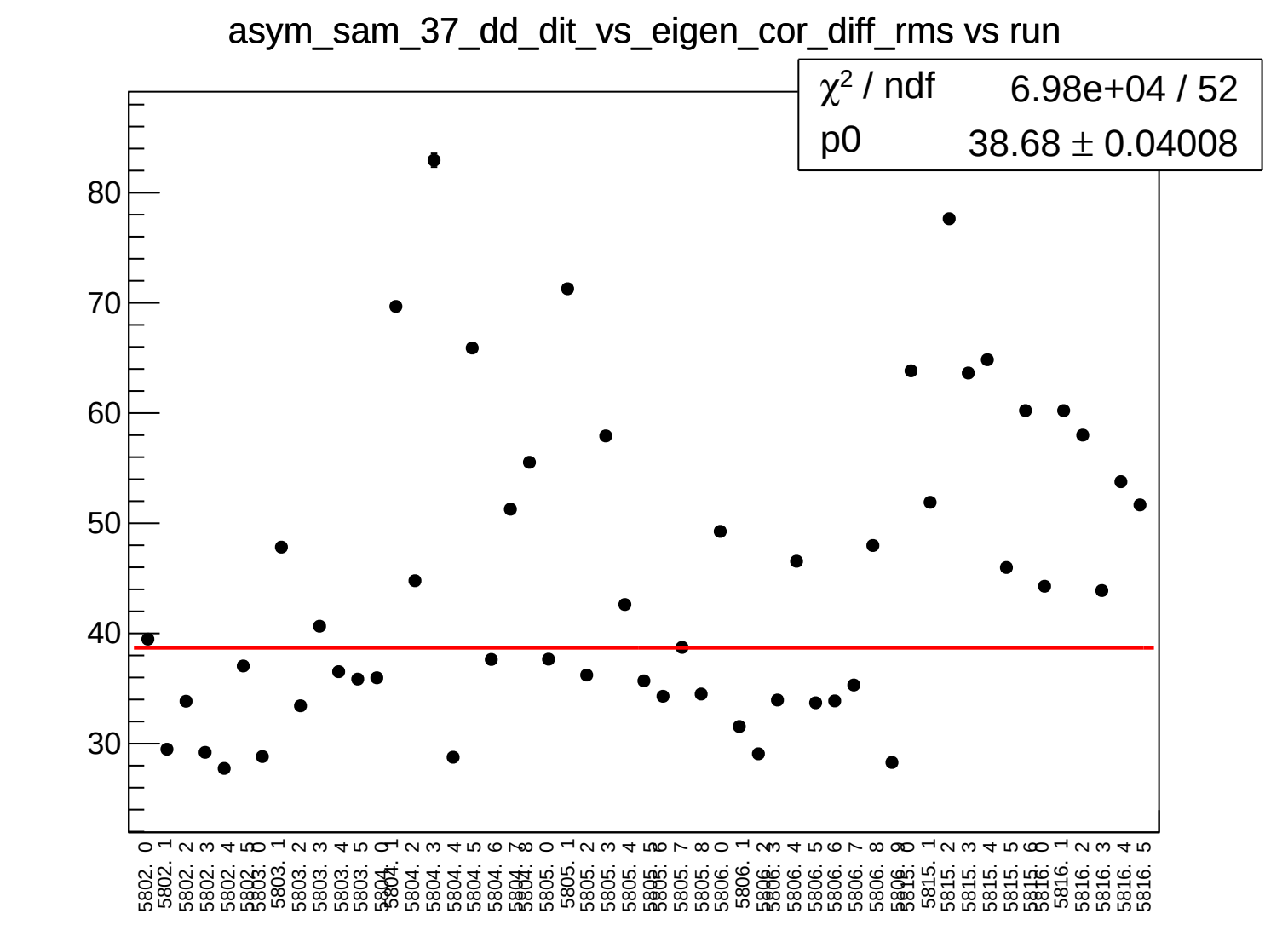

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.322e+05 / 52
p0 2.158e−11 ± 3.15e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

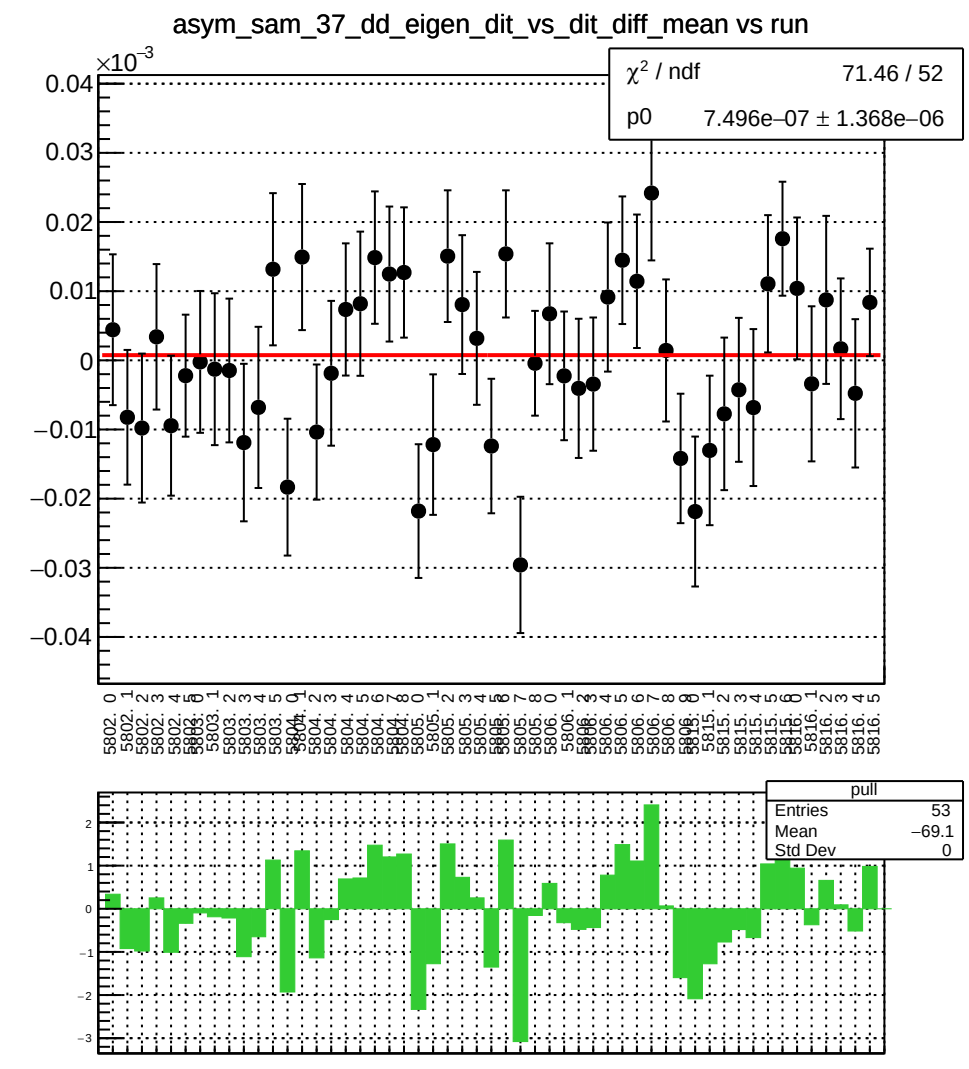

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.21 / 52
p0 −0.02271 ± 0.05668
pull
Entries 53
Mean 260.8
Std Dev 0

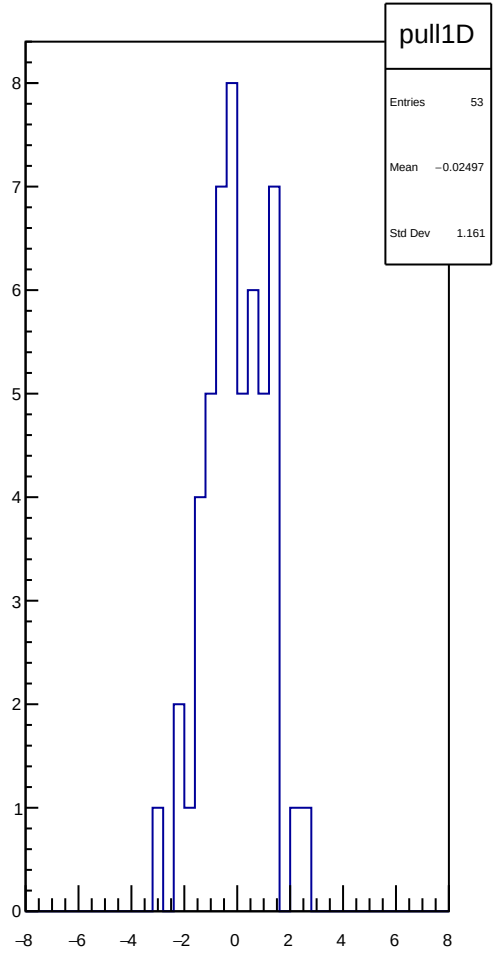

pull1D
Entries 53
Mean −0.0112
Std Dev 1.066

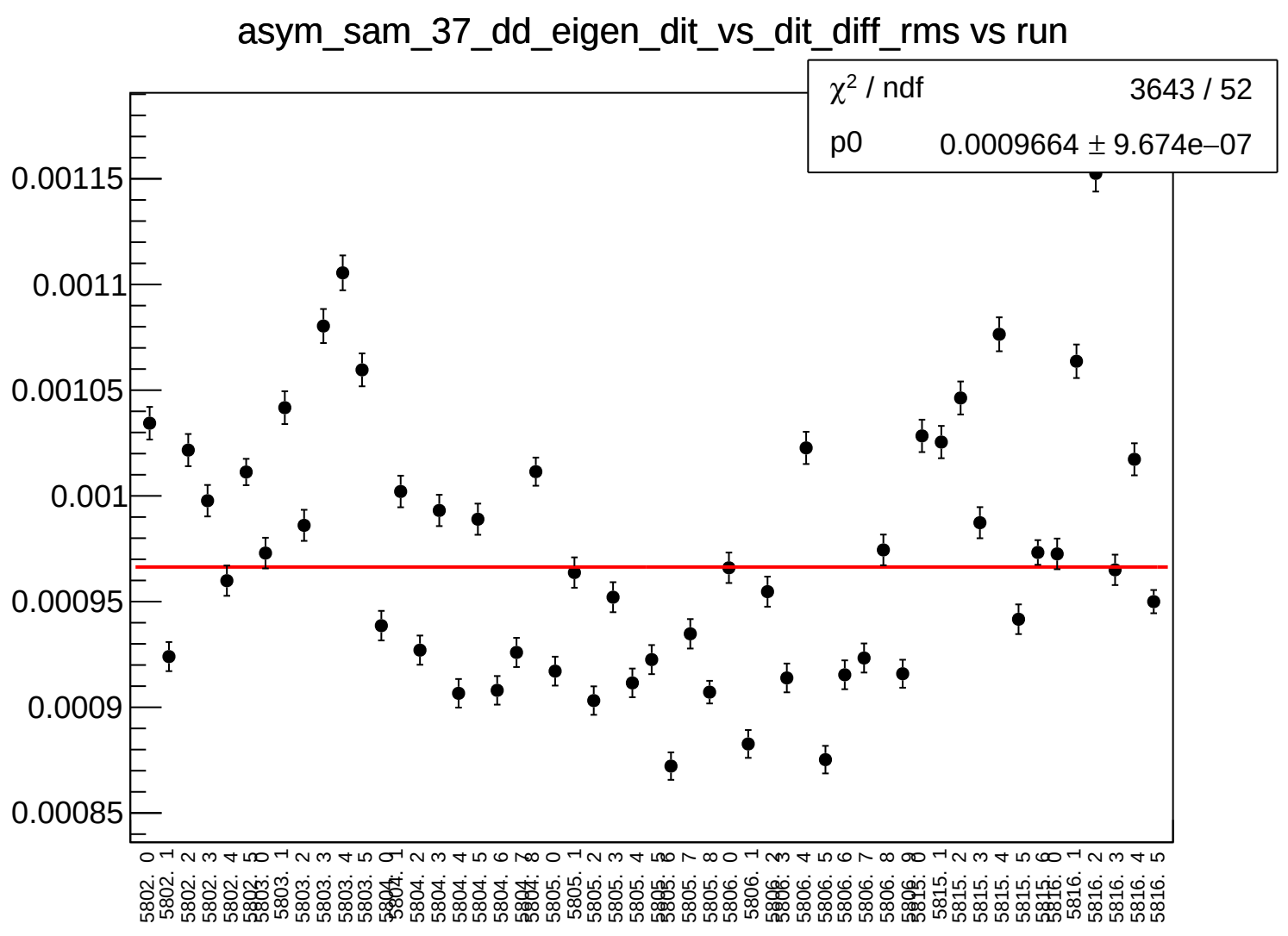

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.98e+04 / 52
p0 38.68 ± 0.04008
80
70
60
50
40
30

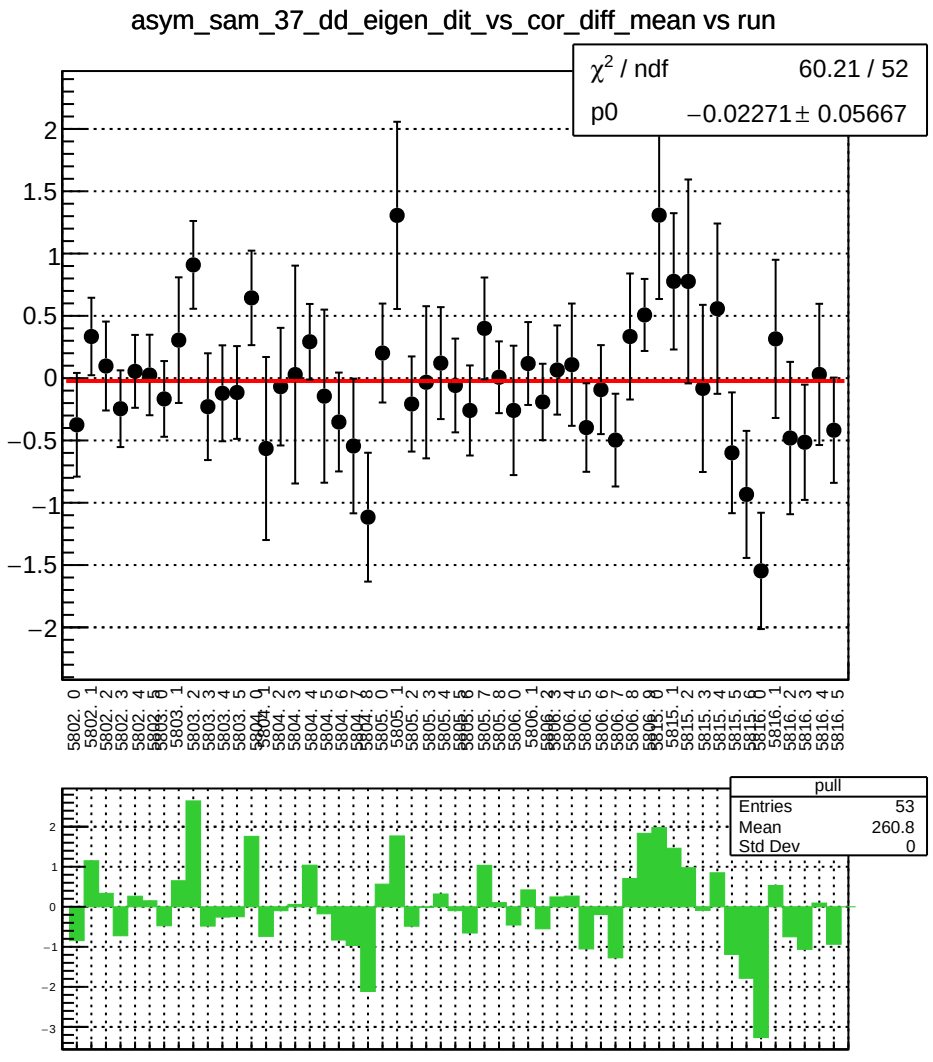

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.21 / 52
p0 −0.02271 ± 0.05668
pull
Entries 53
Mean 260.8
Std Dev 0
pull1D
Entries 53
Mean −0.0112
Std Dev 1.066

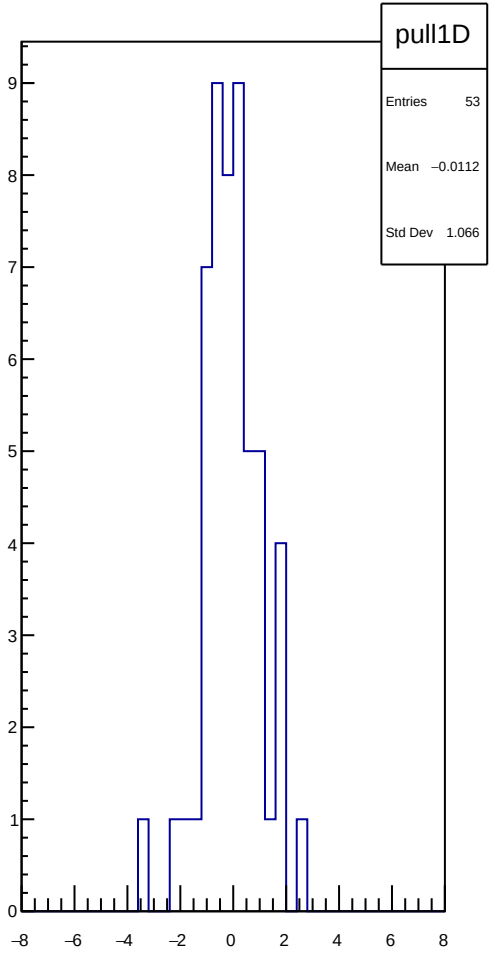

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.98e+04 / 52
p0 38.68 ± 0.04008
80
70
60
50
40
30

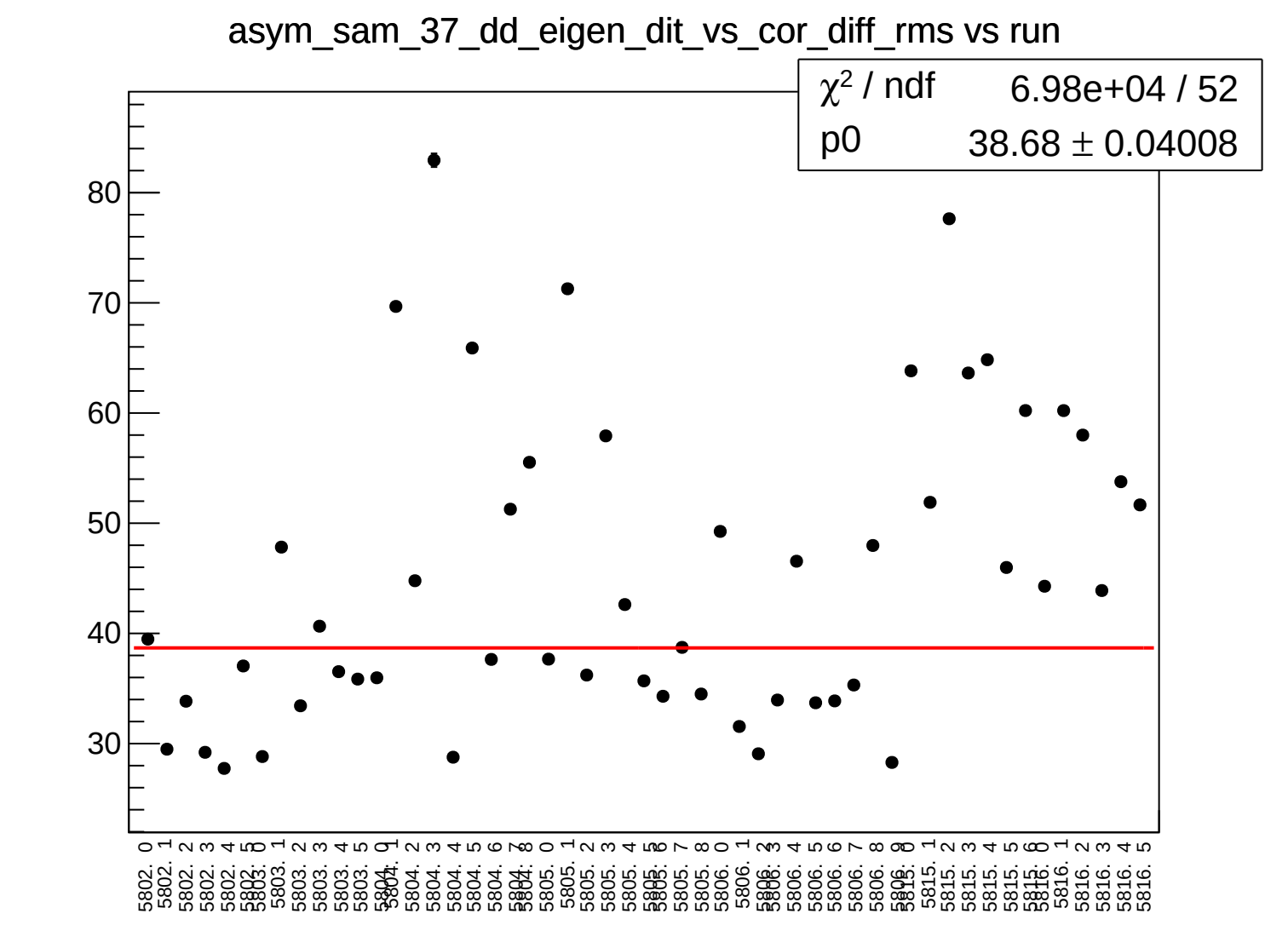

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.46 / 52
p0 7.496e−07 ± 1.368e−06
pull
Entries 53
Mean −69.1
Std Dev 0

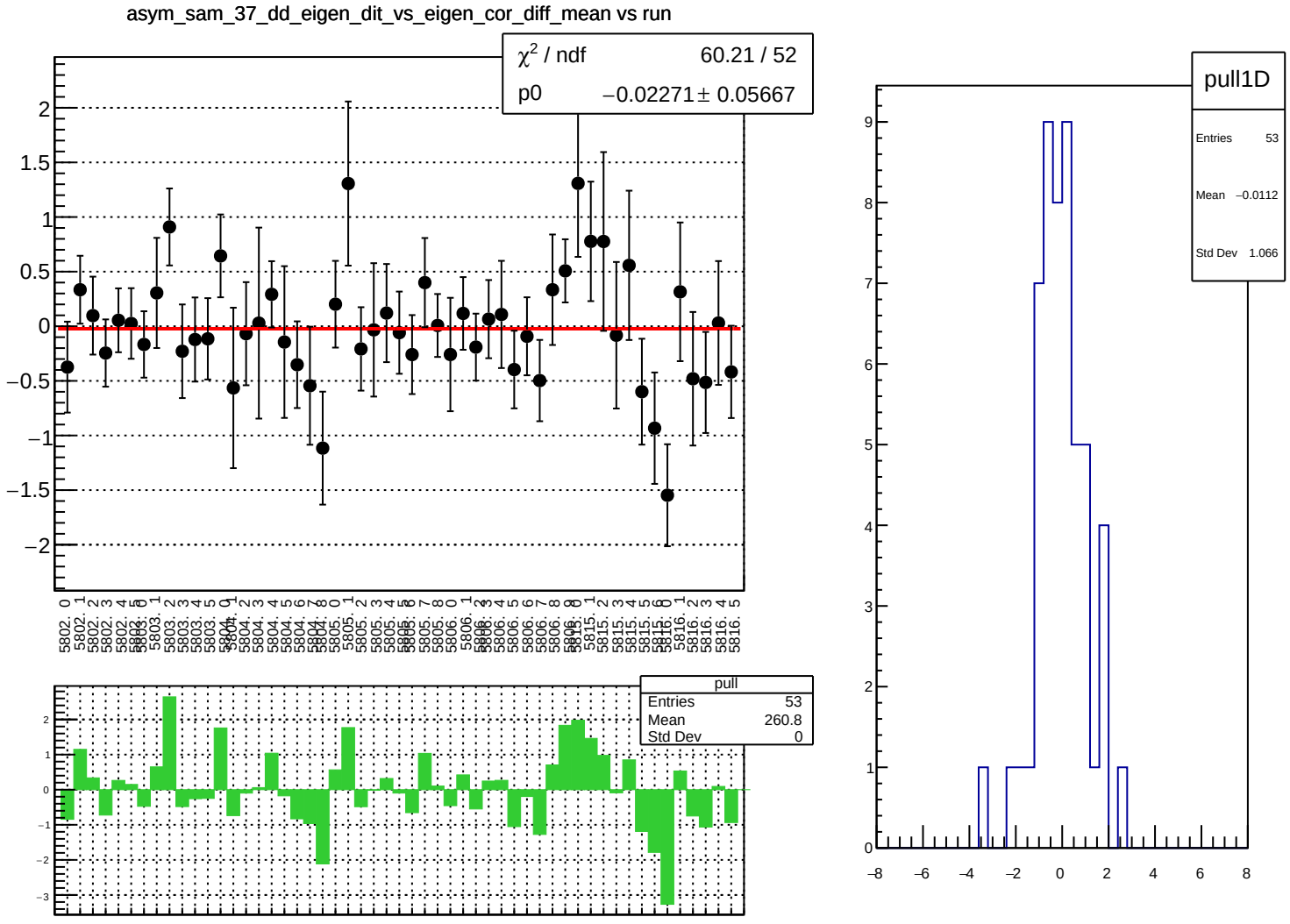

pull1D
Entries 53
Mean −0.02497
Std Dev 1.161

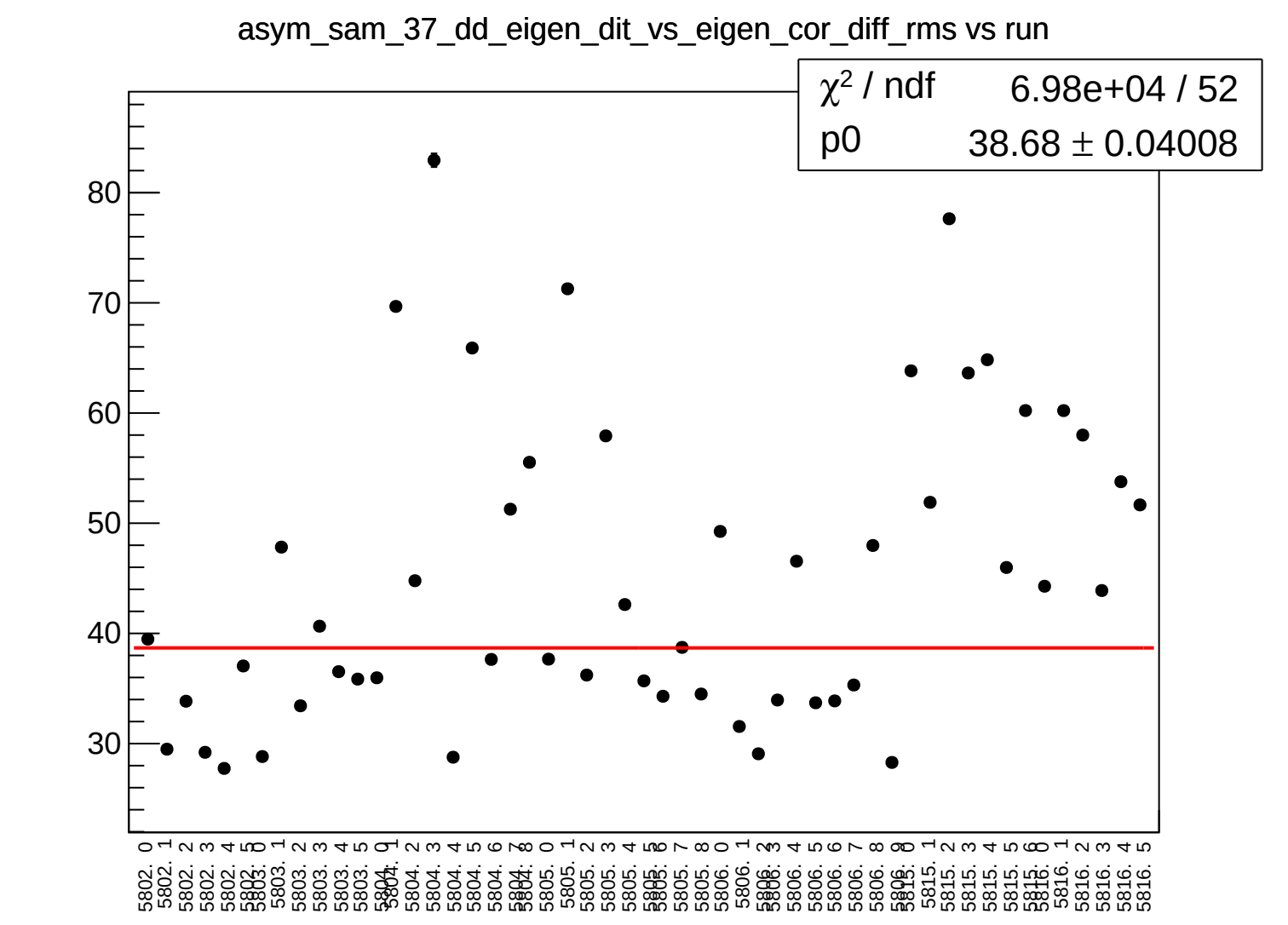

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3643 / 52
p0 0.0009664 ± 9.674e−07
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085

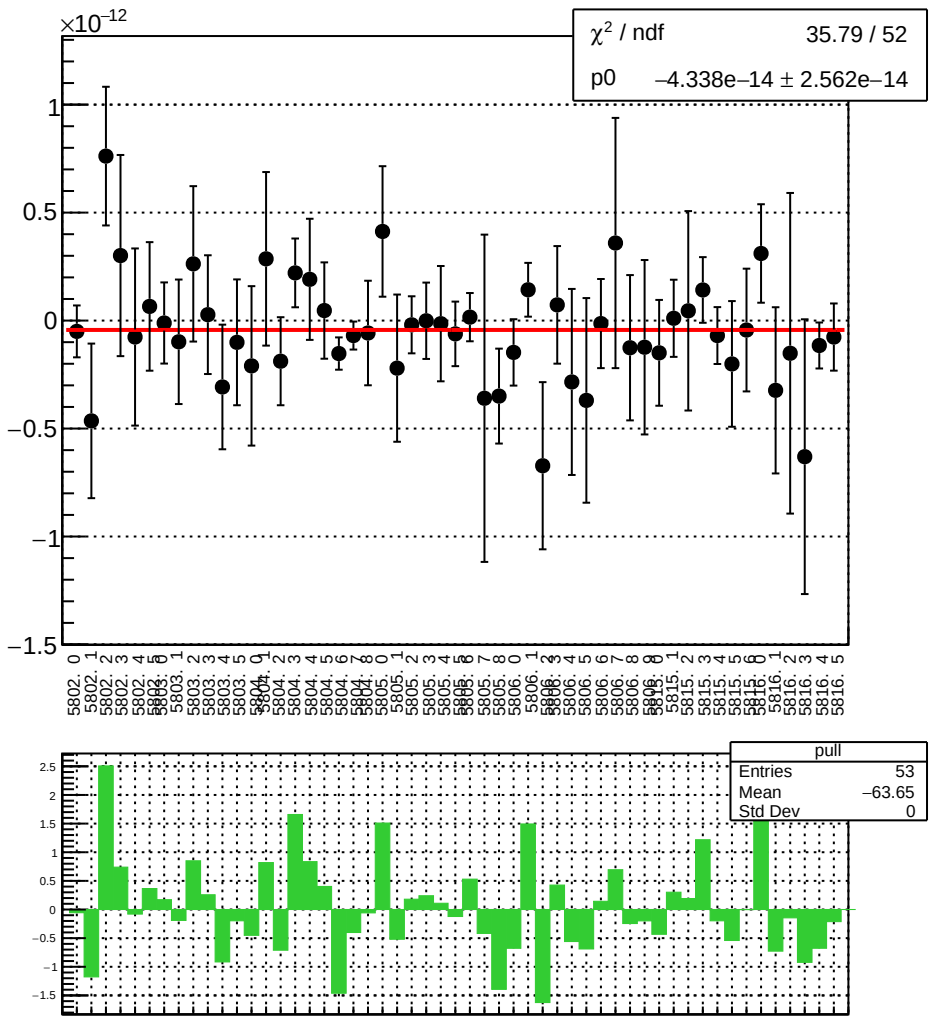

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.21 / 52
p0 −0.02271 ± 0.05667
pull
Entries 53
Mean 260.8
Std Dev 0

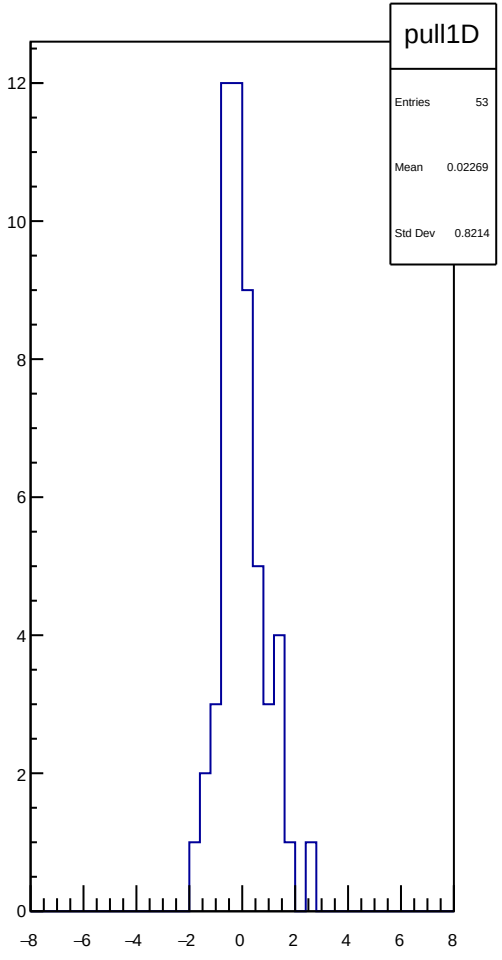

pull1D
Entries 53
Mean −0.0112
Std Dev 1.066

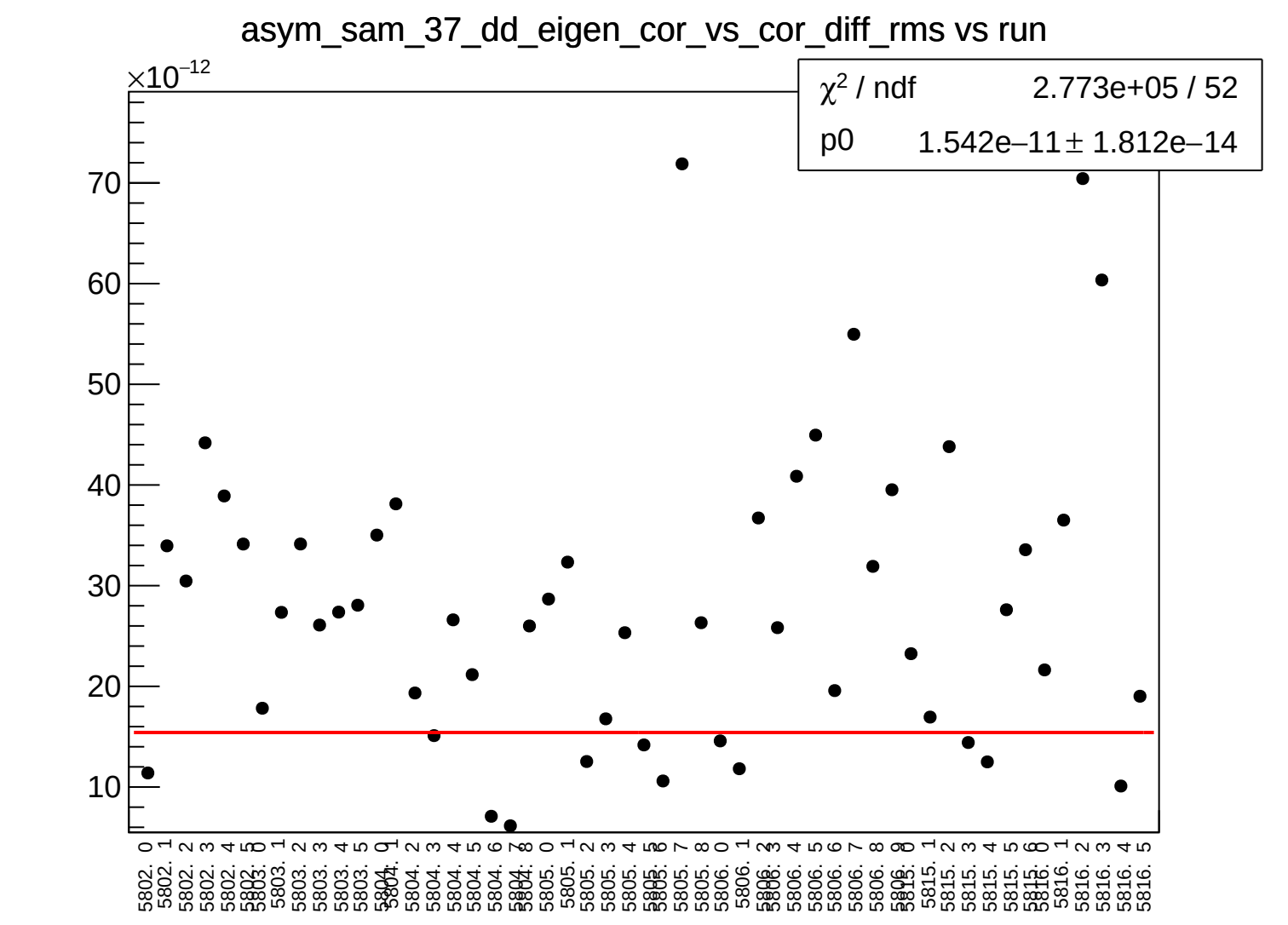

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.98e+04 / 52
p0 38.68 ± 0.04008
80
70
60
50
40
30

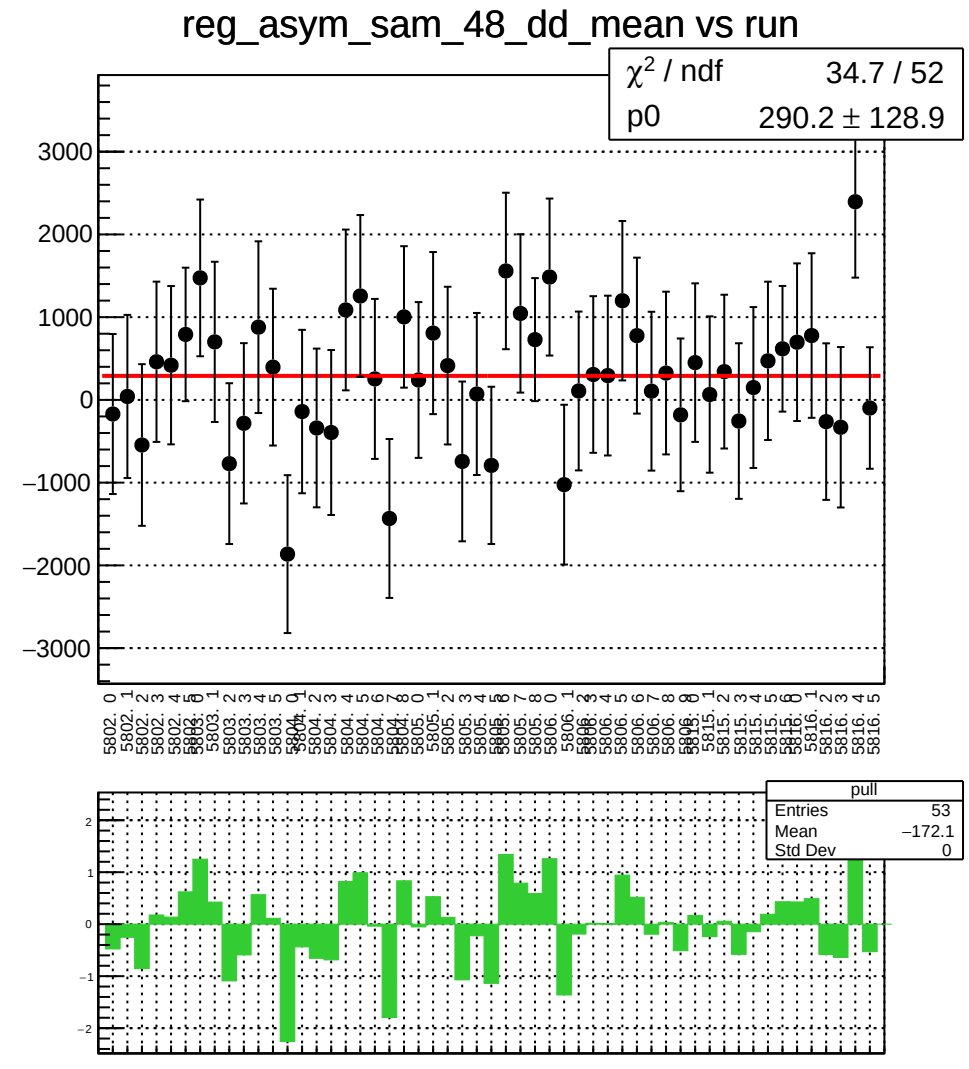

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.21 / 52
p0 −0.02271 ± 0.05667
pull
Entries 53
Mean 260.8
Std Dev 0
pull1D
Entries 53
Mean −0.0112
Std Dev 1.066

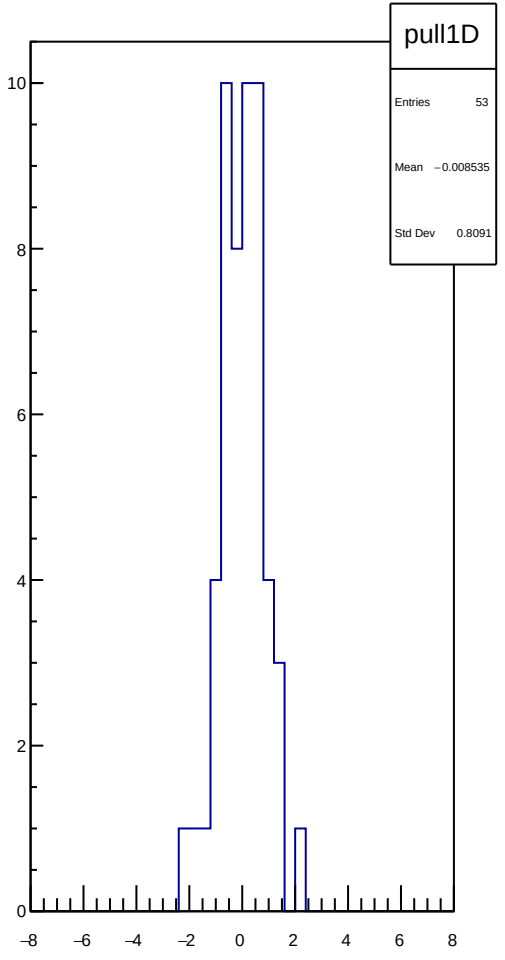

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.98e+04 / 52
p0 38.68 ± 0.04008
80
70
60
50
40
30

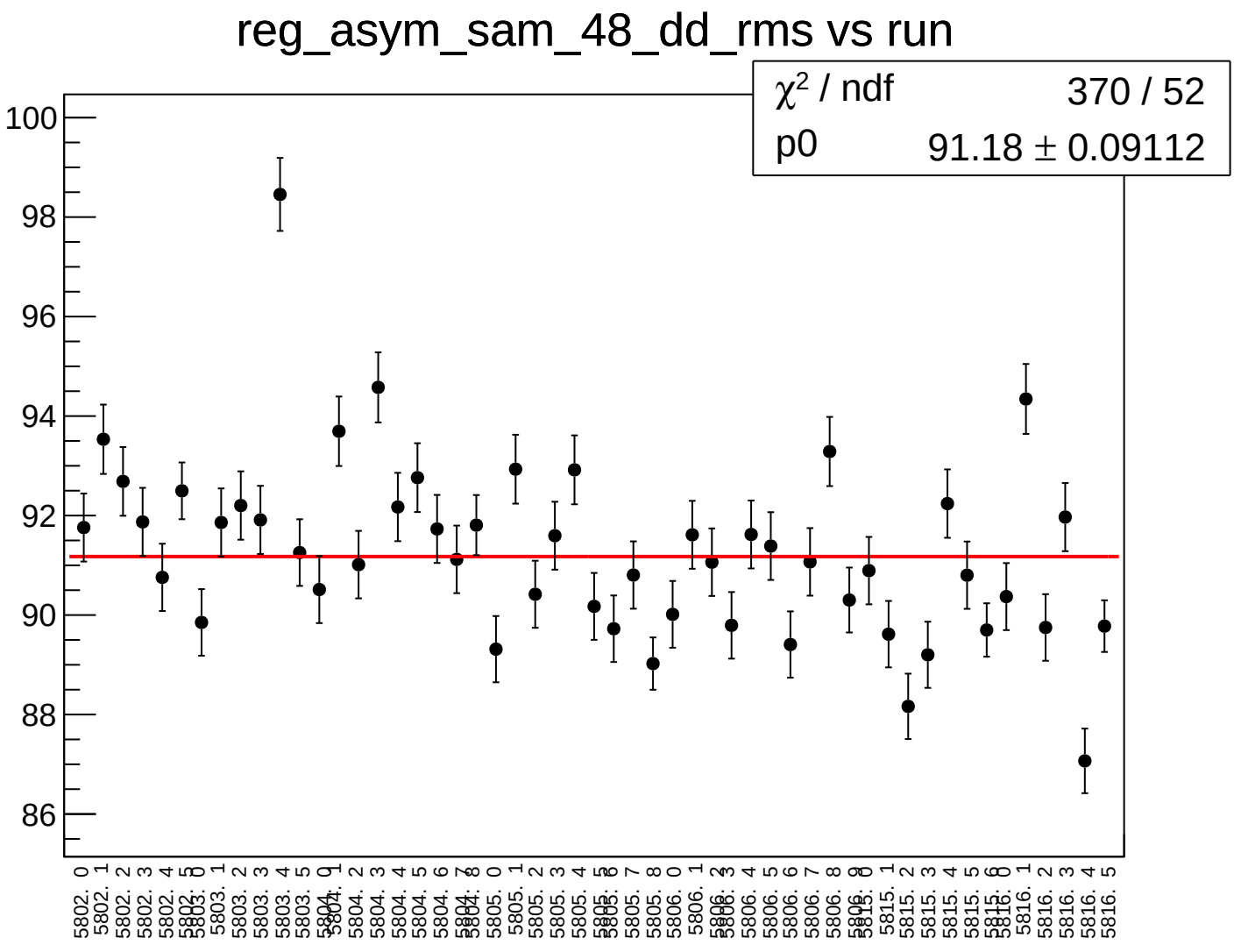

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.79 / 52
p0 −4.338e−14 ± 2.562e−14
pull
Entries 53
Mean −63.65
Std Dev 0

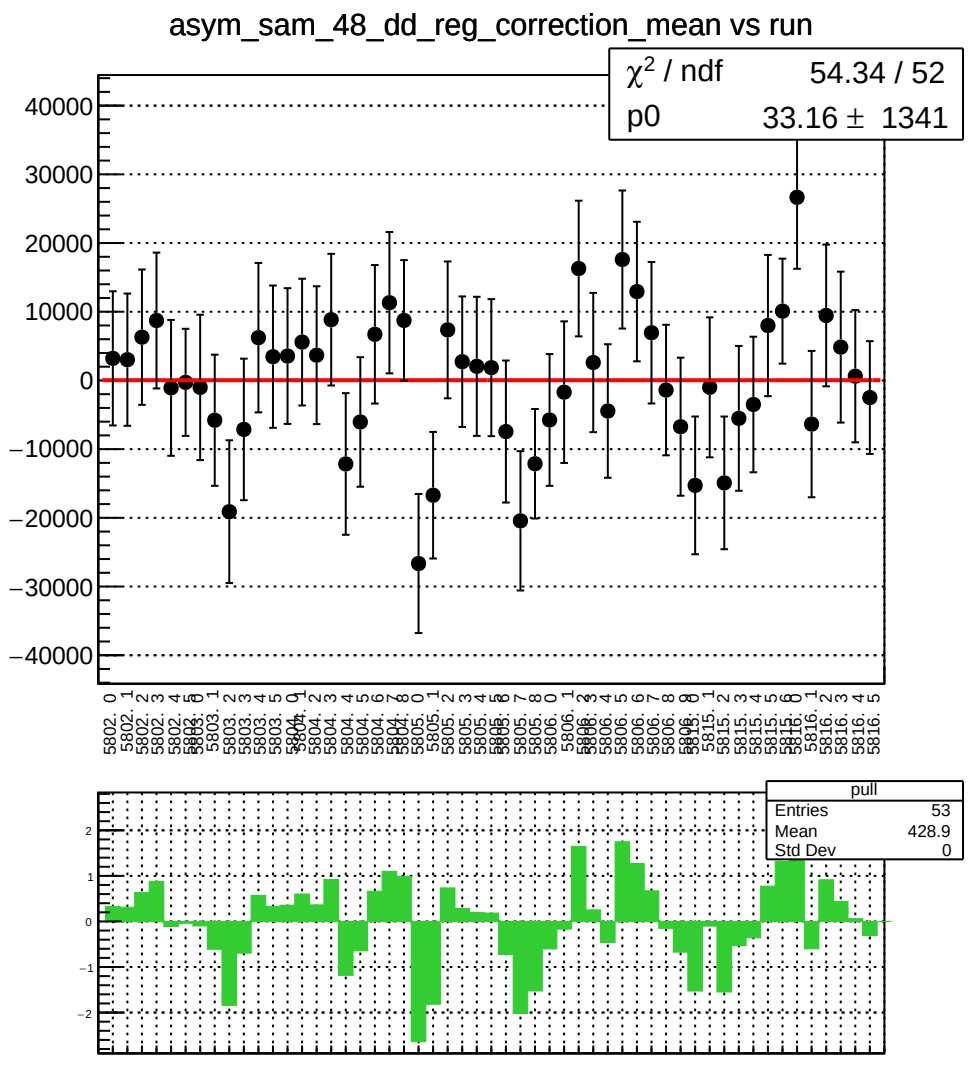

pull1D
Entries 53
Mean 0.02269
Std Dev 0.8214

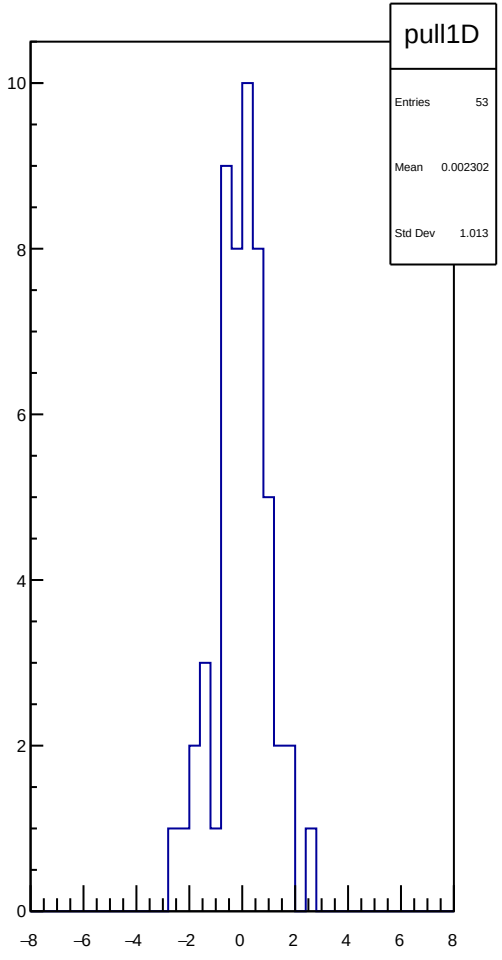

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.773e+05 / 52
p0 1.542e−11 ± 1.812e−14
70
60
50
40
30
20
10

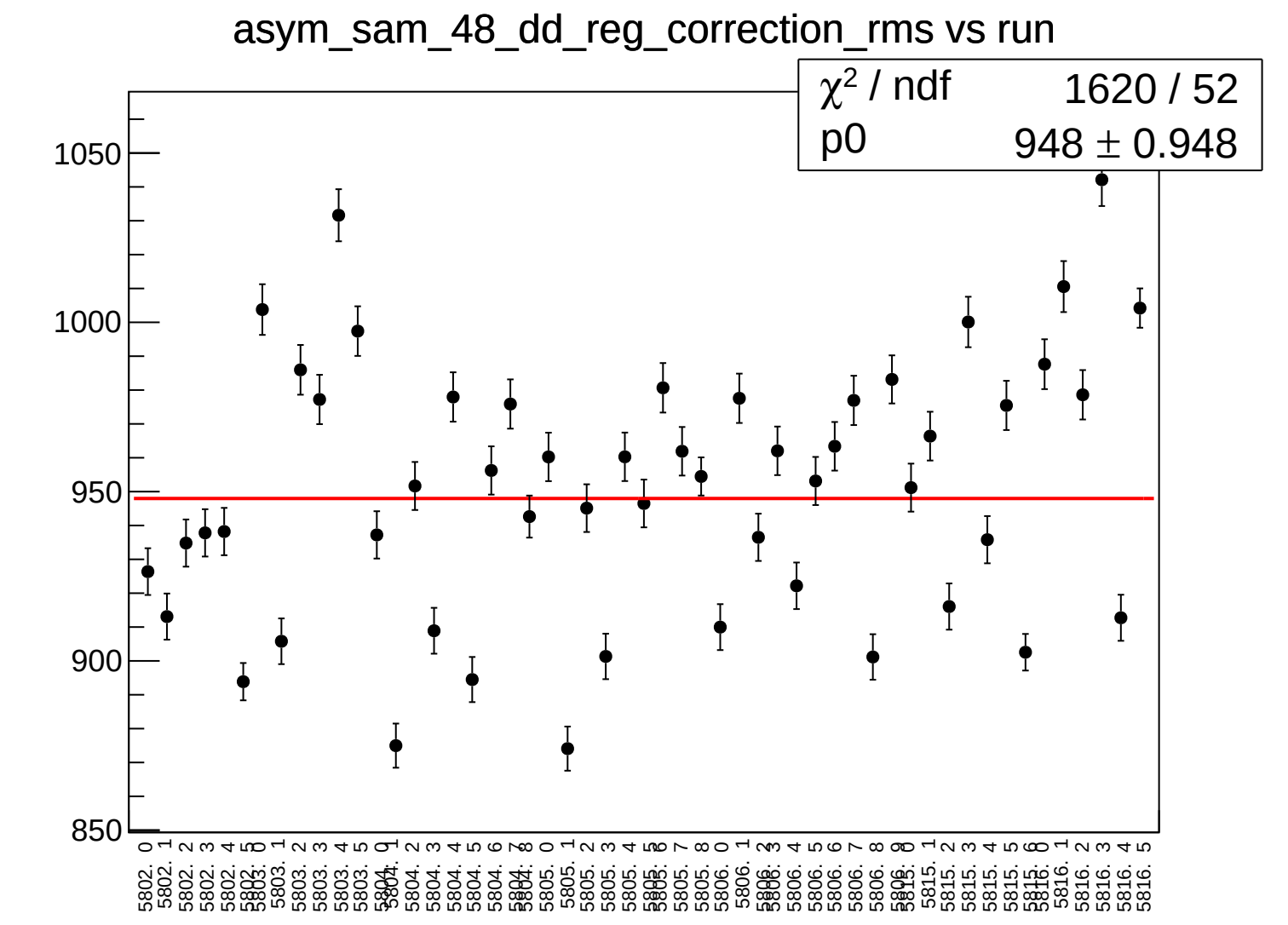

reg_asym_sam_48_dd_mean vs run
χ² / ndf 34.7 / 52
p0 290.2 ± 128.9
pull
Entries 53
Mean −172.1
Std Dev 0

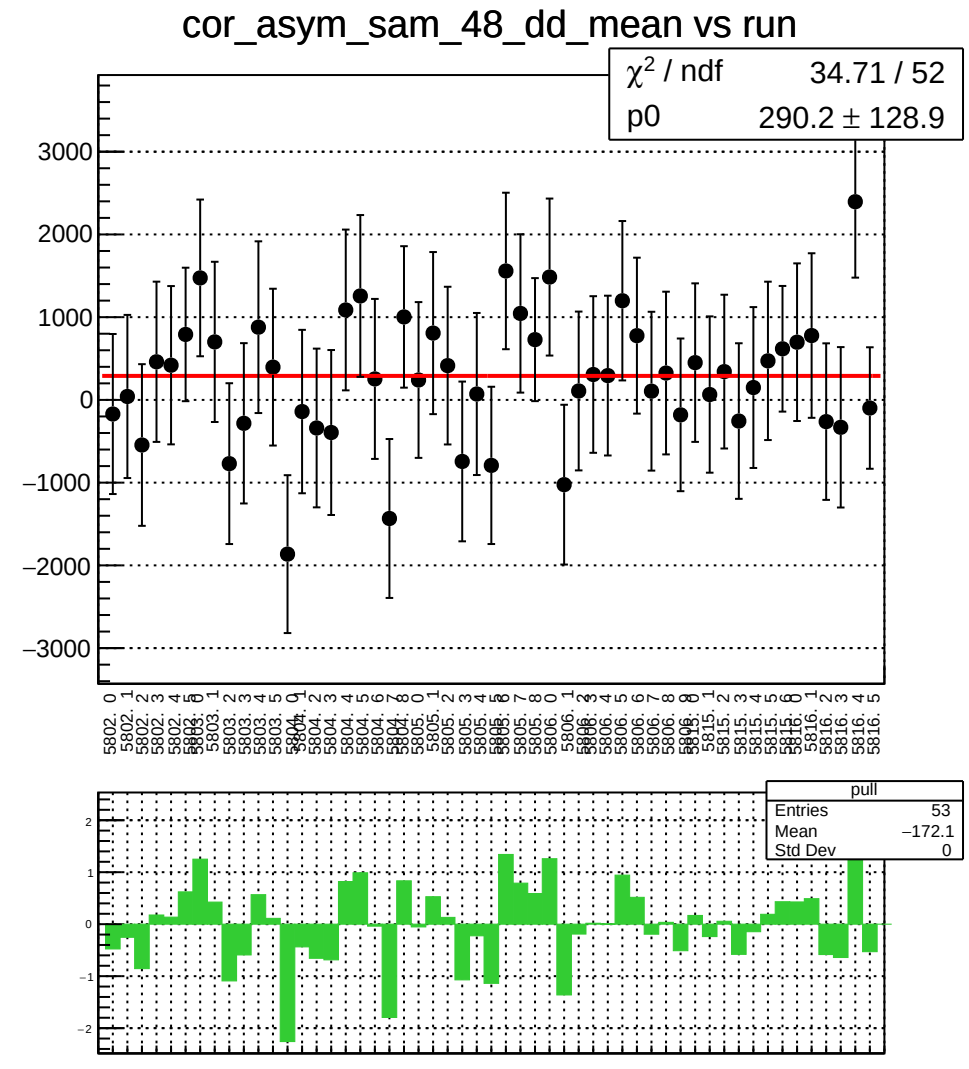

pull1D
Entries 53
Mean −0.008535
Std Dev 0.8091

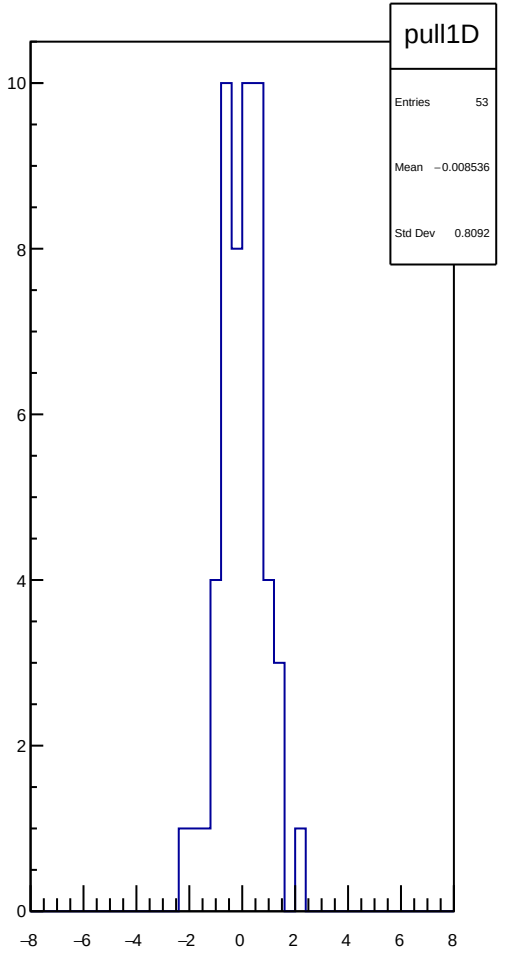

reg_asym_sam_48_dd_rms vs run
χ² / ndf 370 / 52
p0 91.18 ± 0.09112
100
98
96
94
92
90
88
86

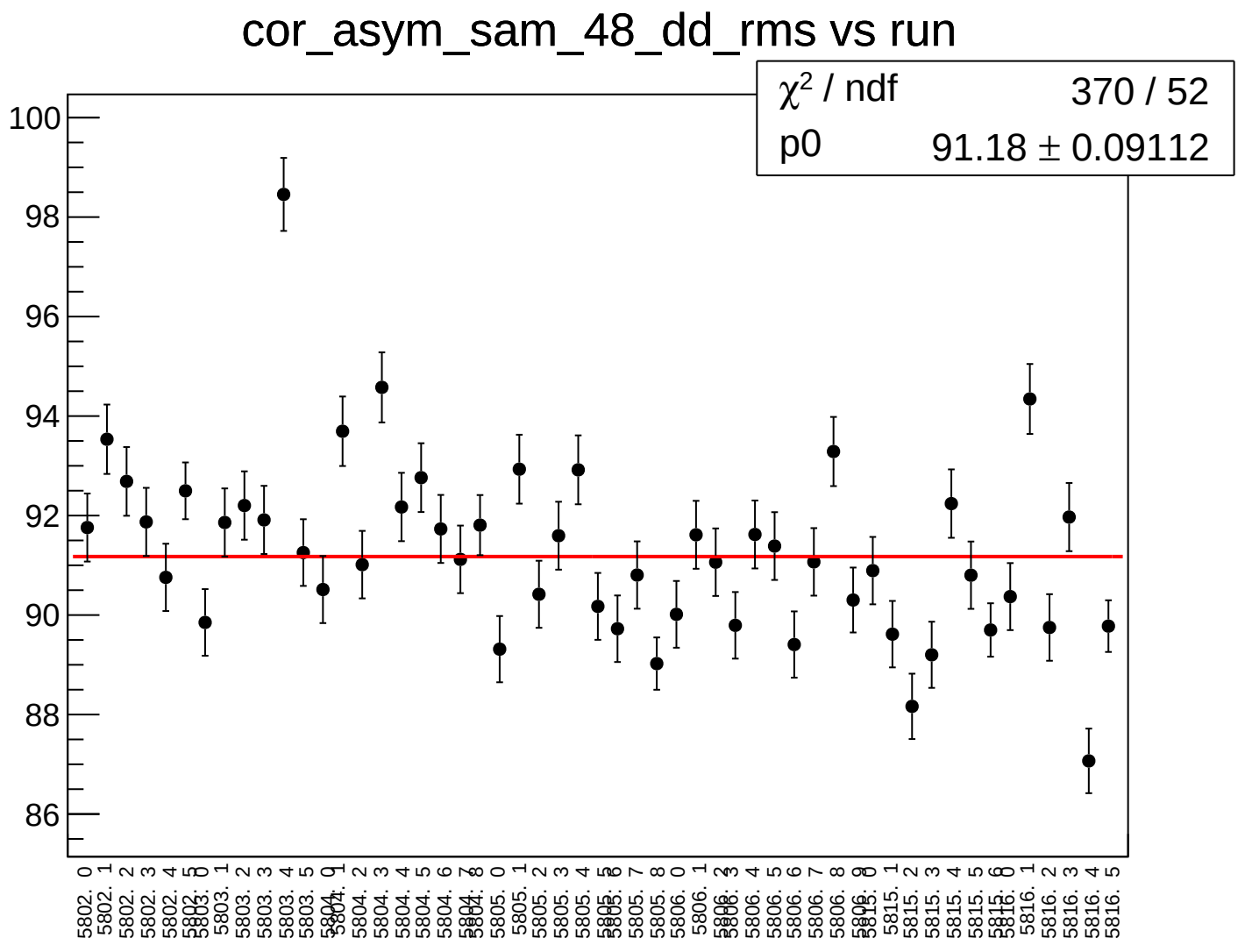

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 54.34 / 52
p0 33.16 ± 1341
pull
Entries 53
Mean 428.9
Std Dev 0

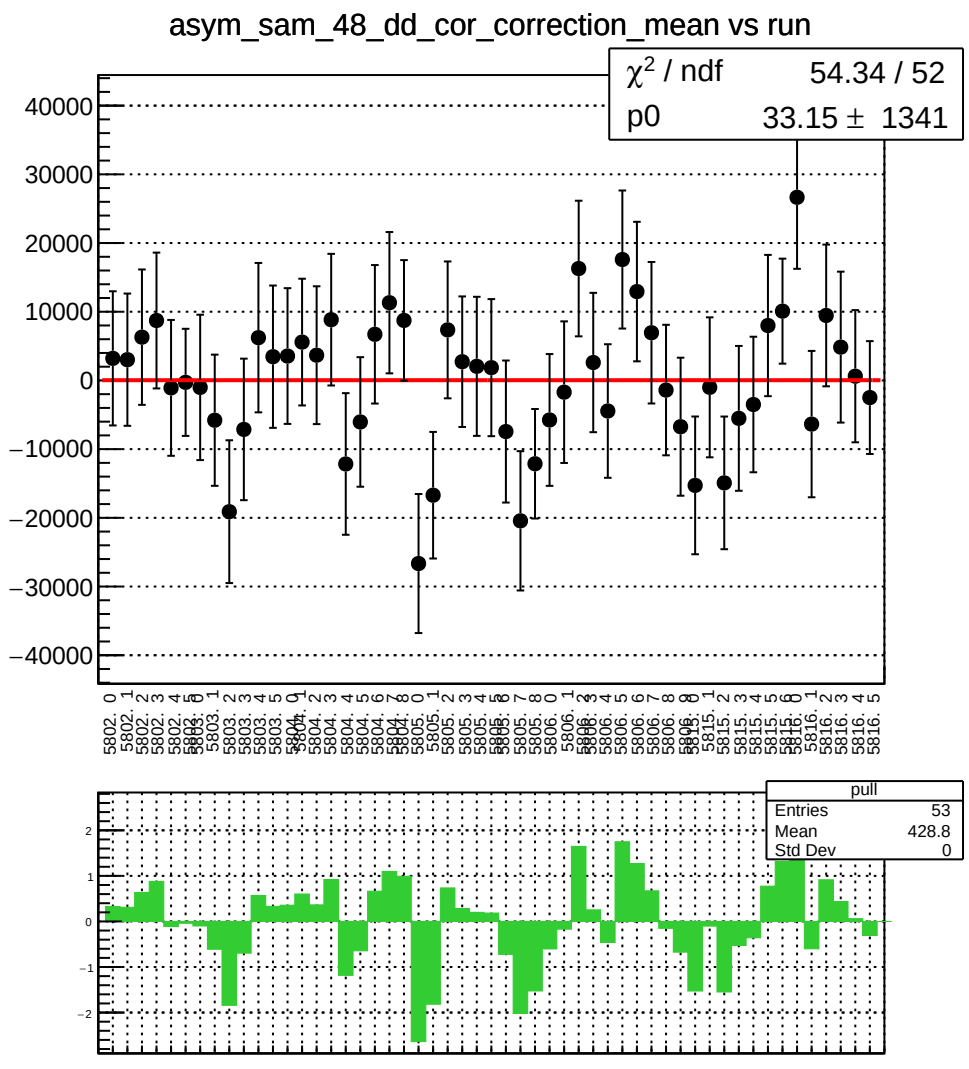

pull1D
Entries 53
Mean 0.002302
Std Dev 1.013

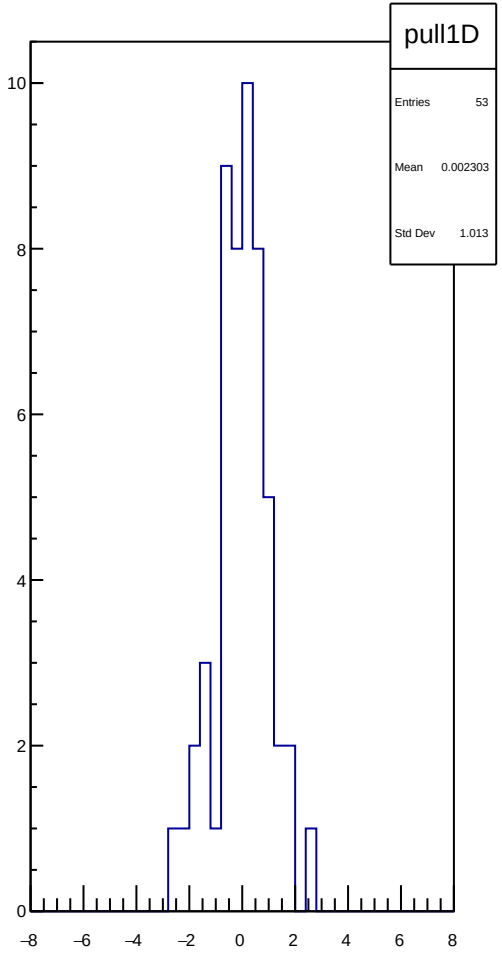

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1620 / 52
p0 948 ± 0.948
1050
1000
950
900
850

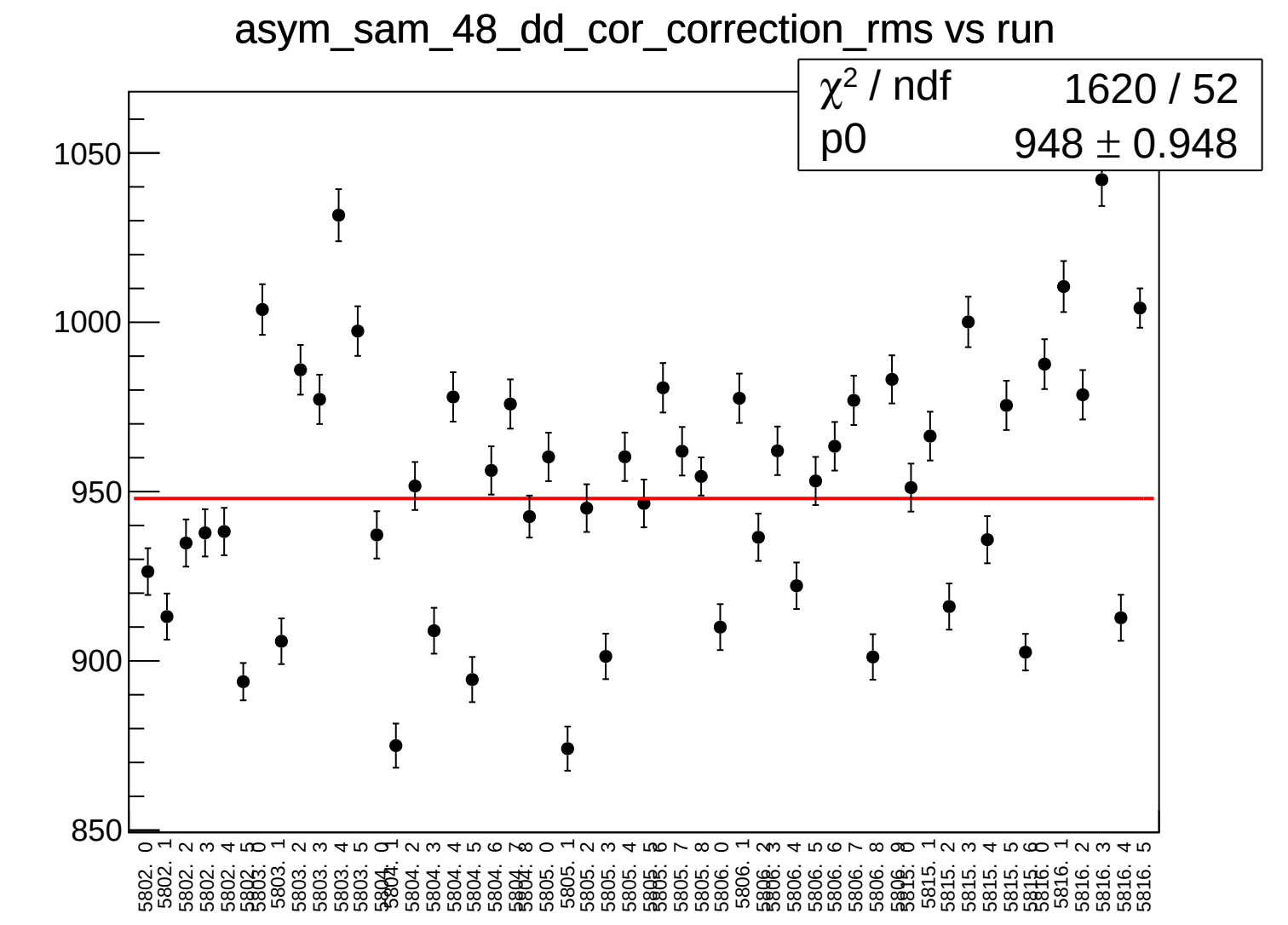

cor_asym_sam_48_dd_mean vs run
χ² / ndf 34.71 / 52
p0 290.2 ± 128.9
pull
Entries 53
Mean −172.1
Std Dev 0

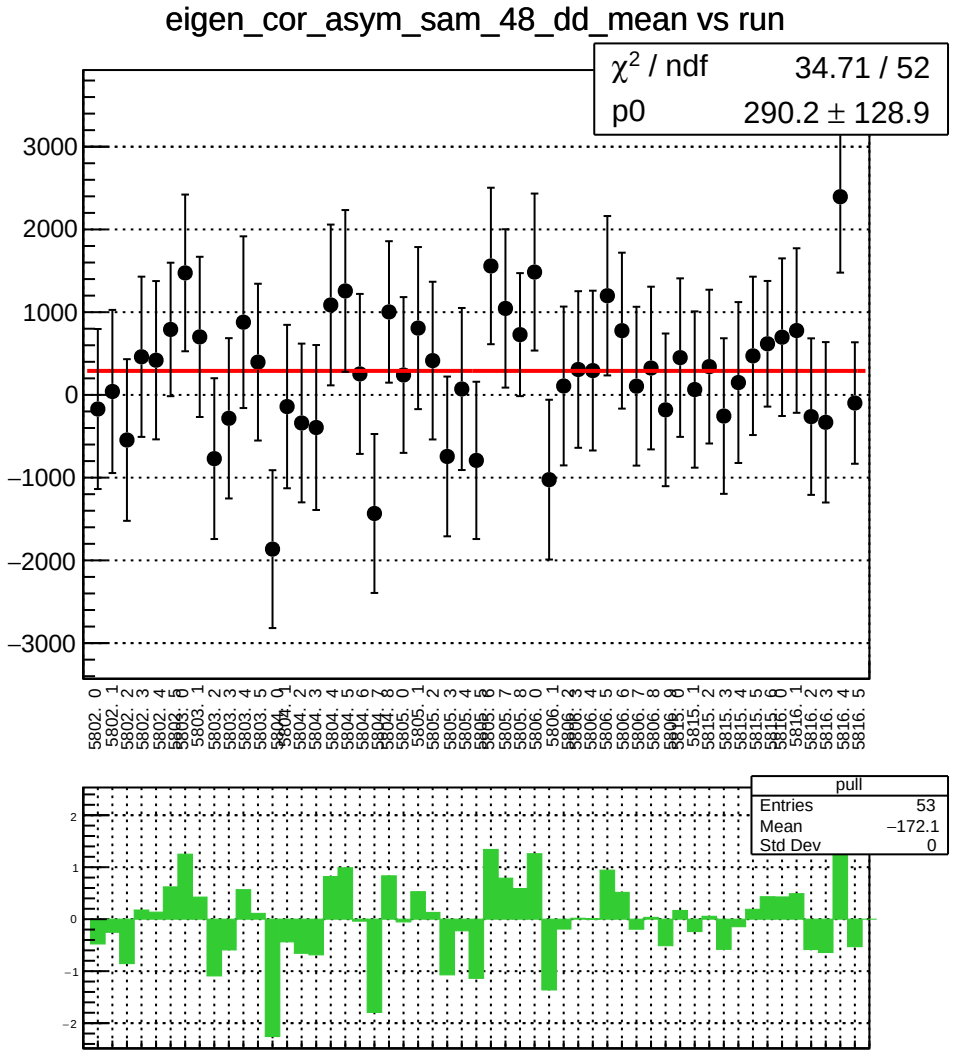

pull1D
Entries 53
Mean −0.008536
Std Dev 0.8092

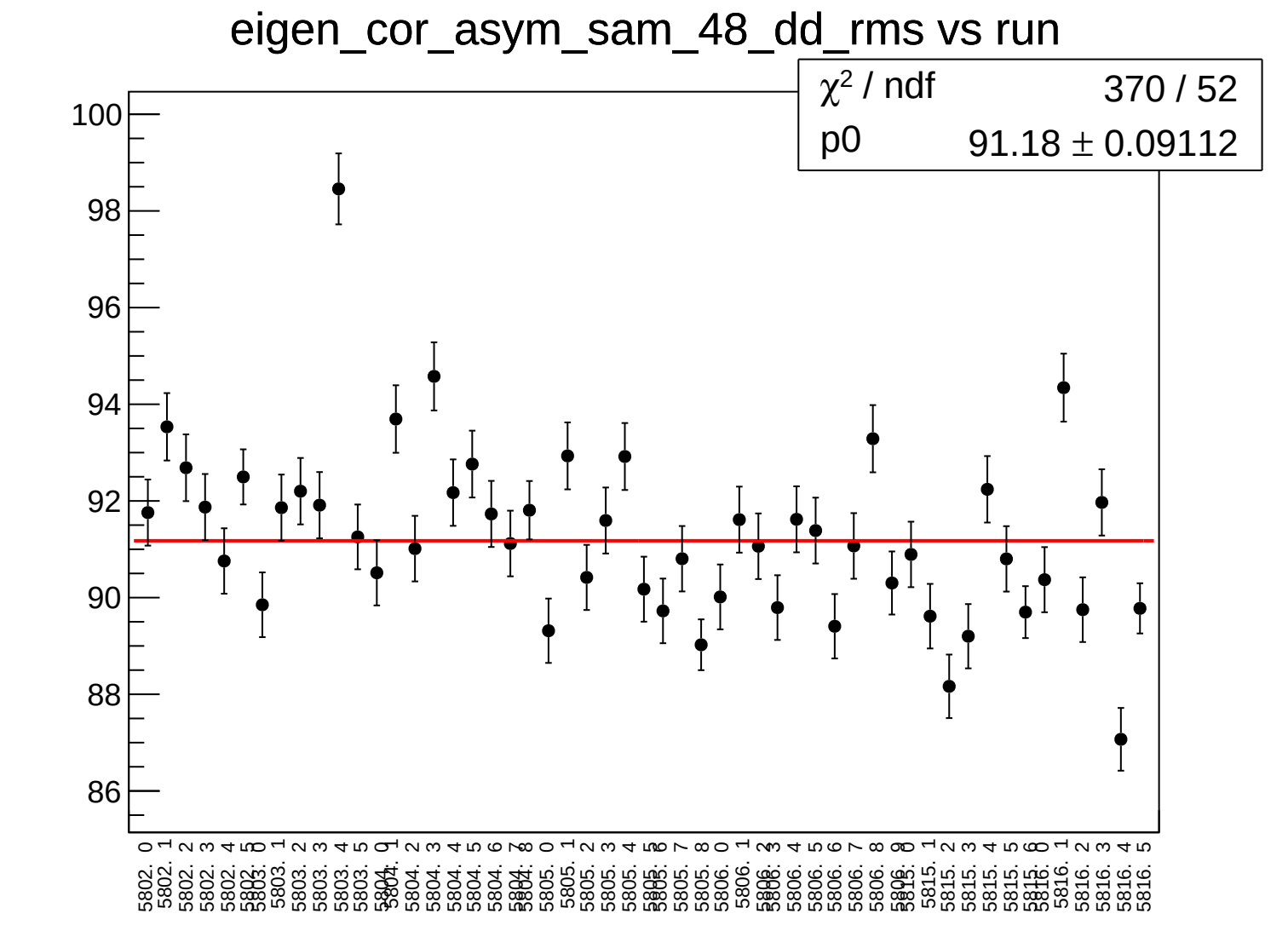

cor_asym_sam_48_dd_rms vs run
χ² / ndf 370 / 52
p0 91.18 ± 0.09112
100
98
96
94
92
90
88
86

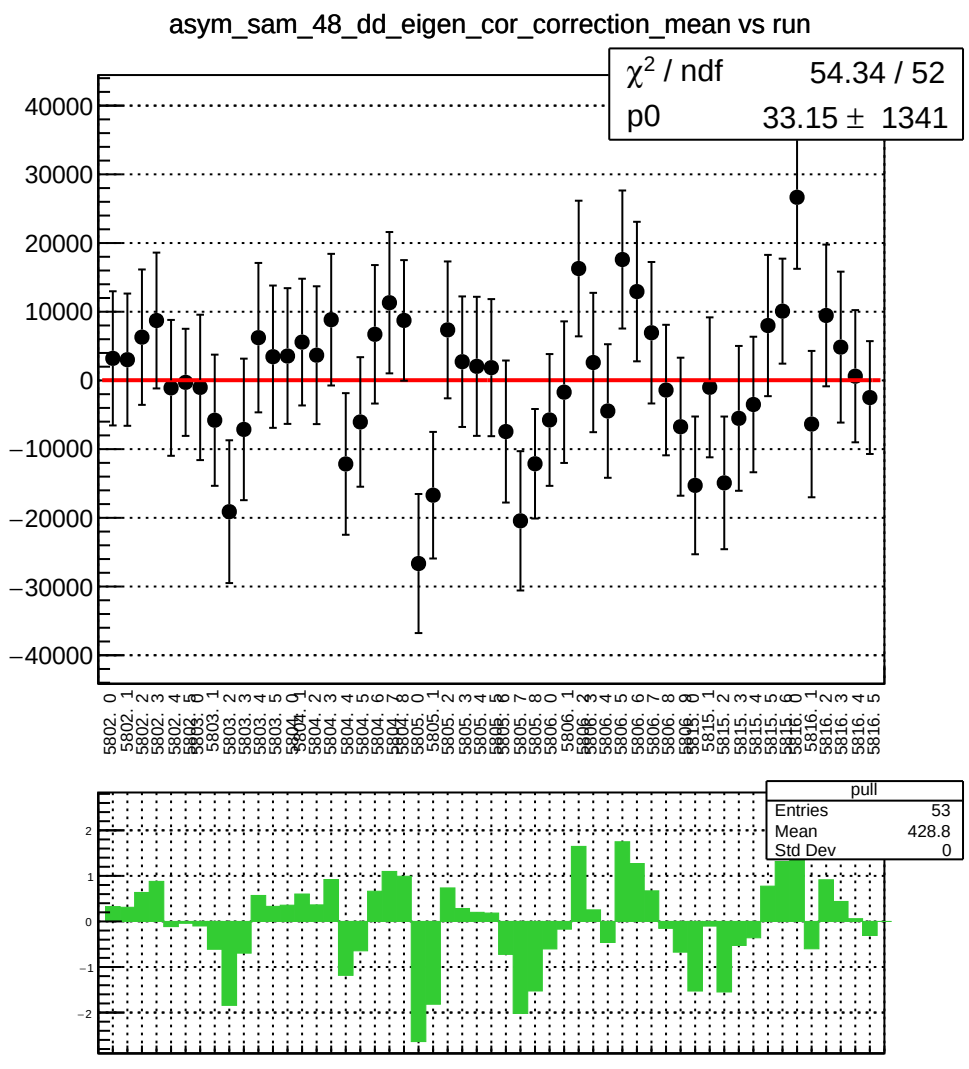

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 54.34 / 52
p0 33.15 ± 1341
pull
Entries 53
Mean 428.8
Std Dev 0

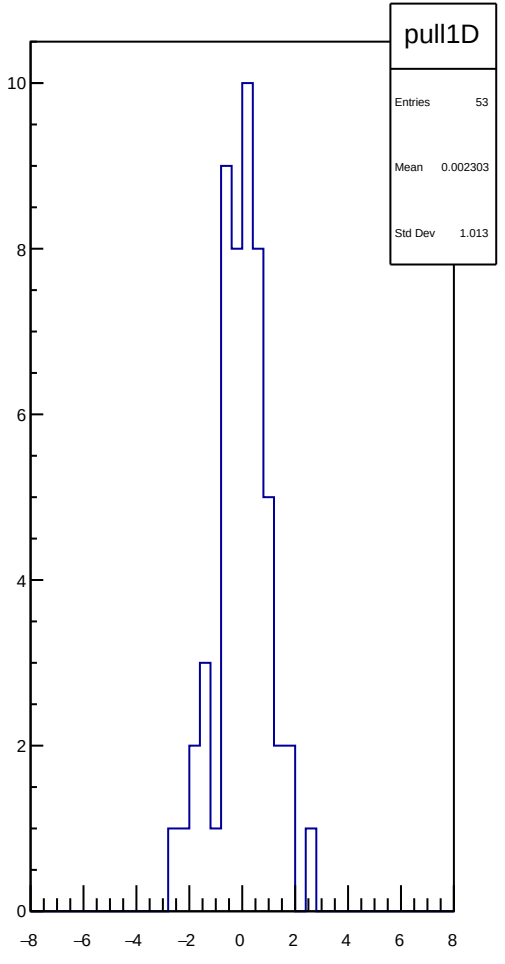

pull1D
Entries 53
Mean 0.002303
Std Dev 1.013

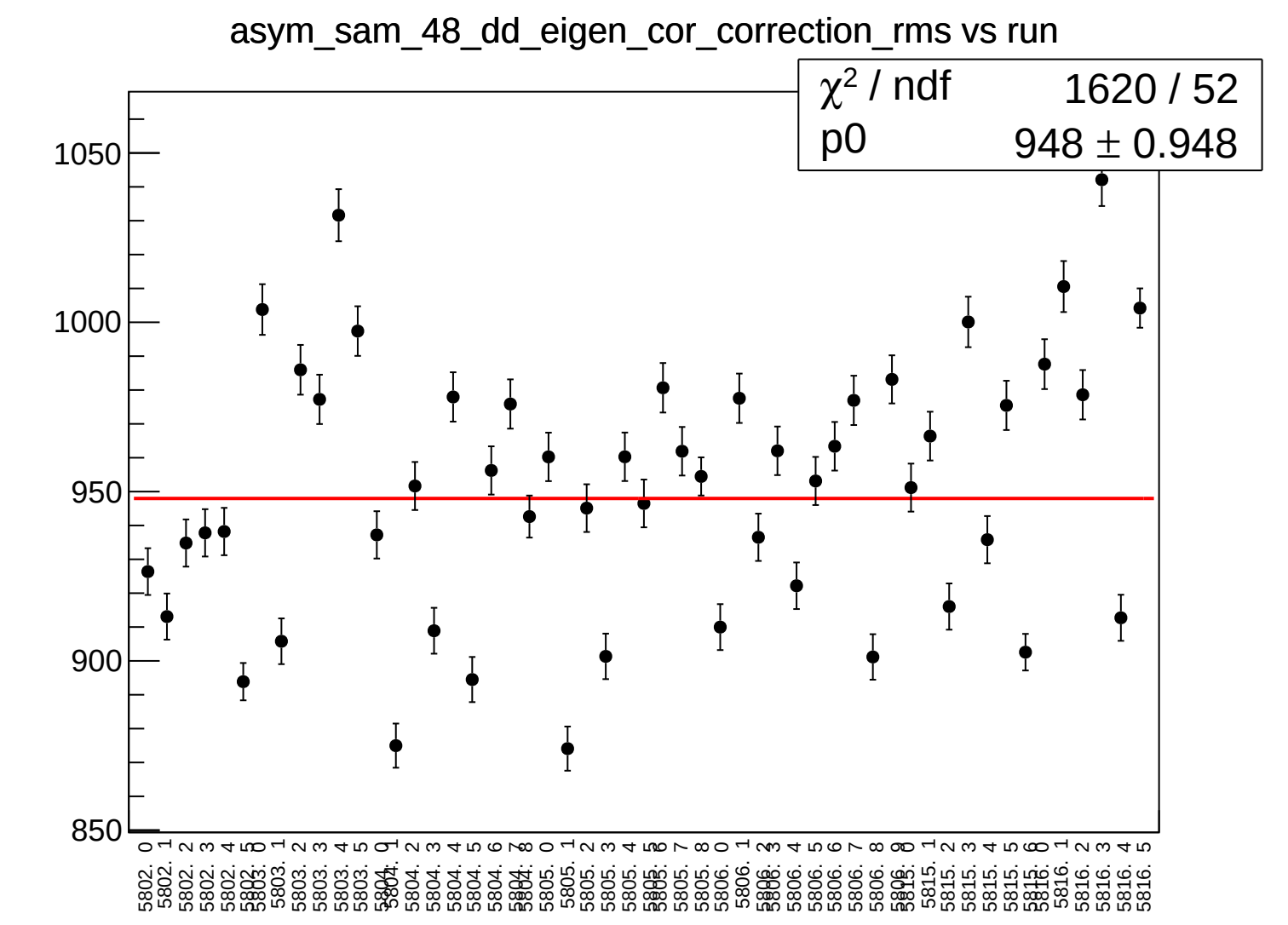

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1620 / 52
p0 948 ± 0.948
1050
1000
950
900
850

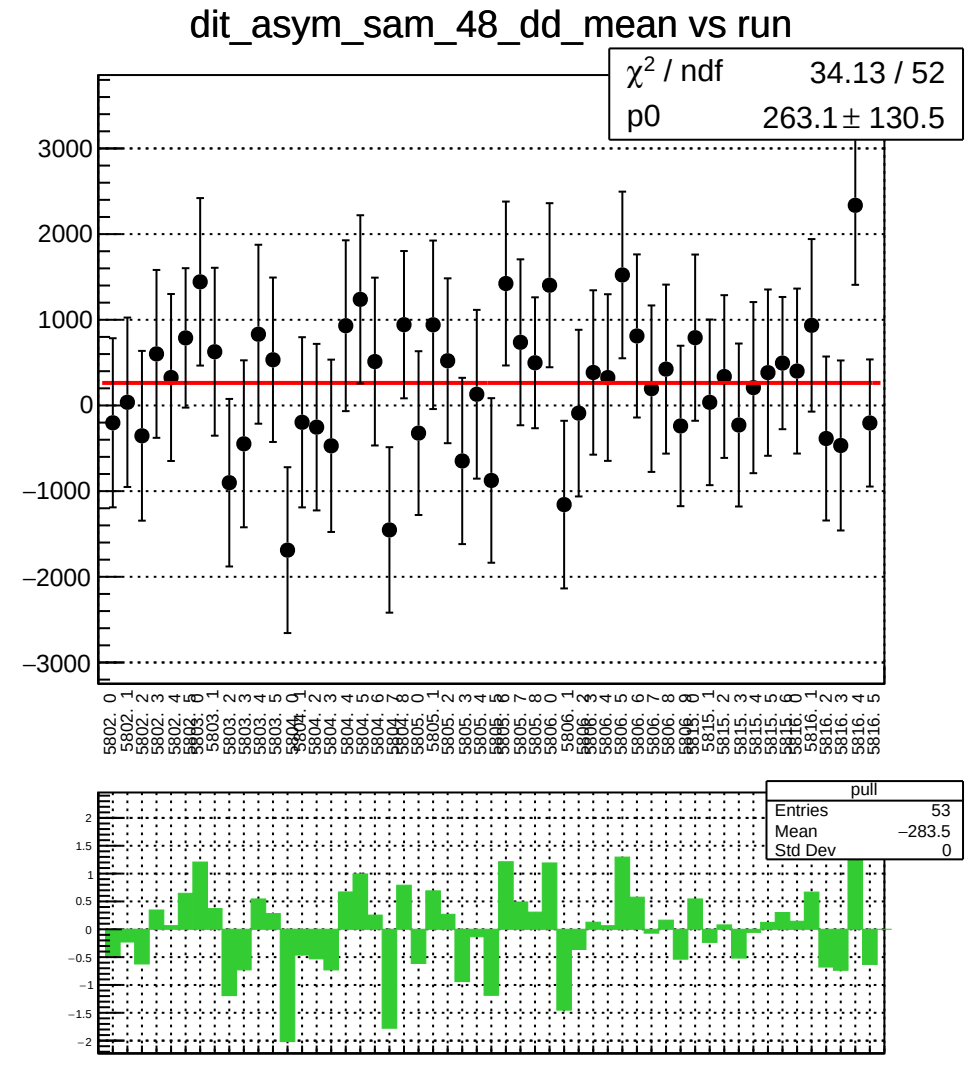

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 34.71 / 52
p0 290.2 ± 128.9
pull
Entries 53
Mean −172.1
Std Dev 0
pull1D
Entries 53
Mean −0.008536
Std Dev 0.8092

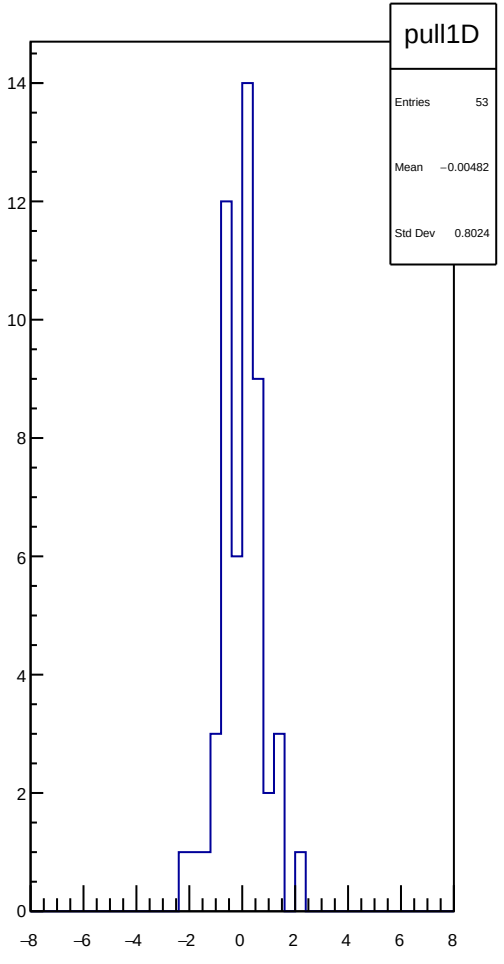

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 370 / 52
p0 91.18 ± 0.09112
100
98
96
94
92
90
88
86

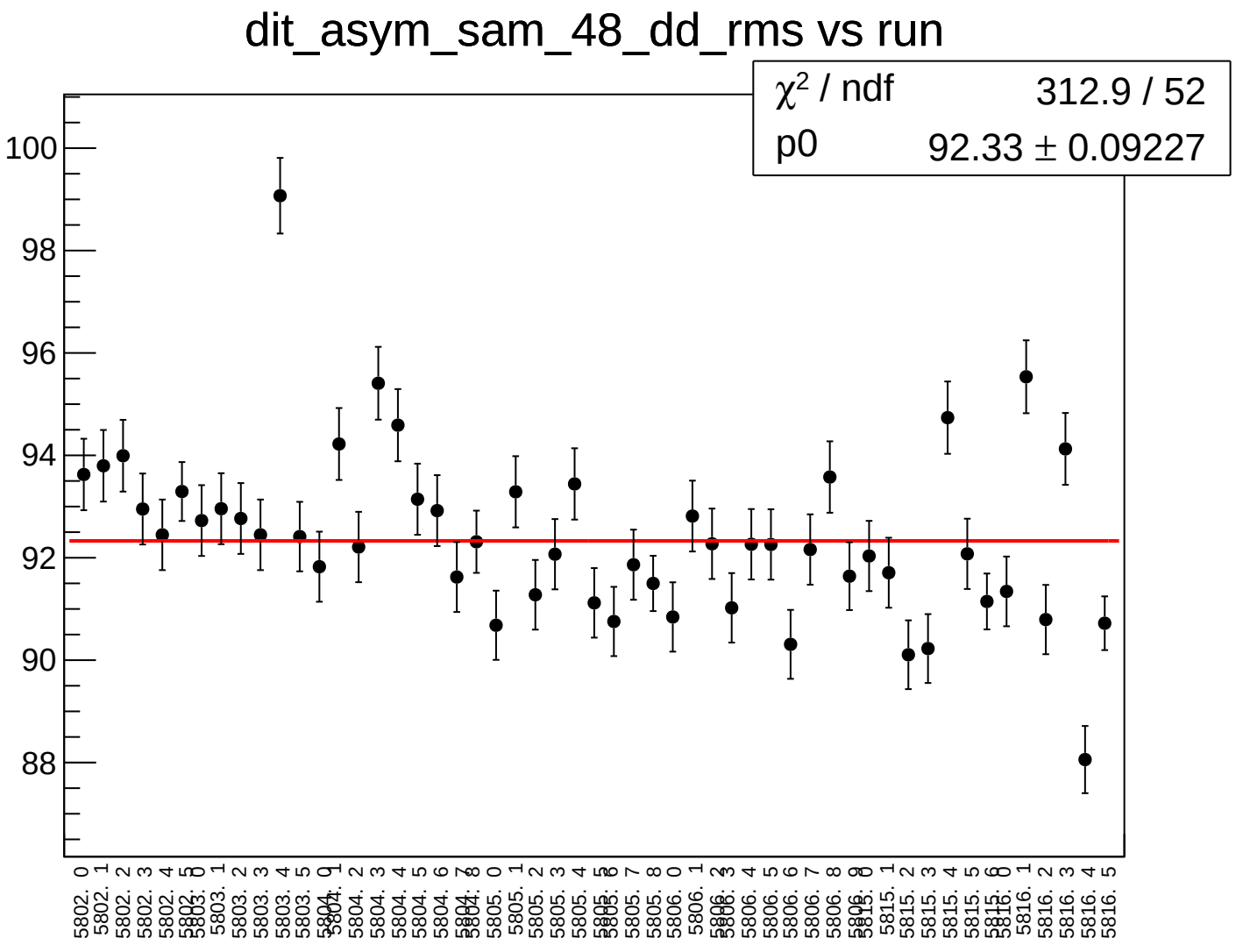

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.34 / 52
p0 33.15 ± 1341
pull
Entries 53
Mean 428.8
Std Dev 0

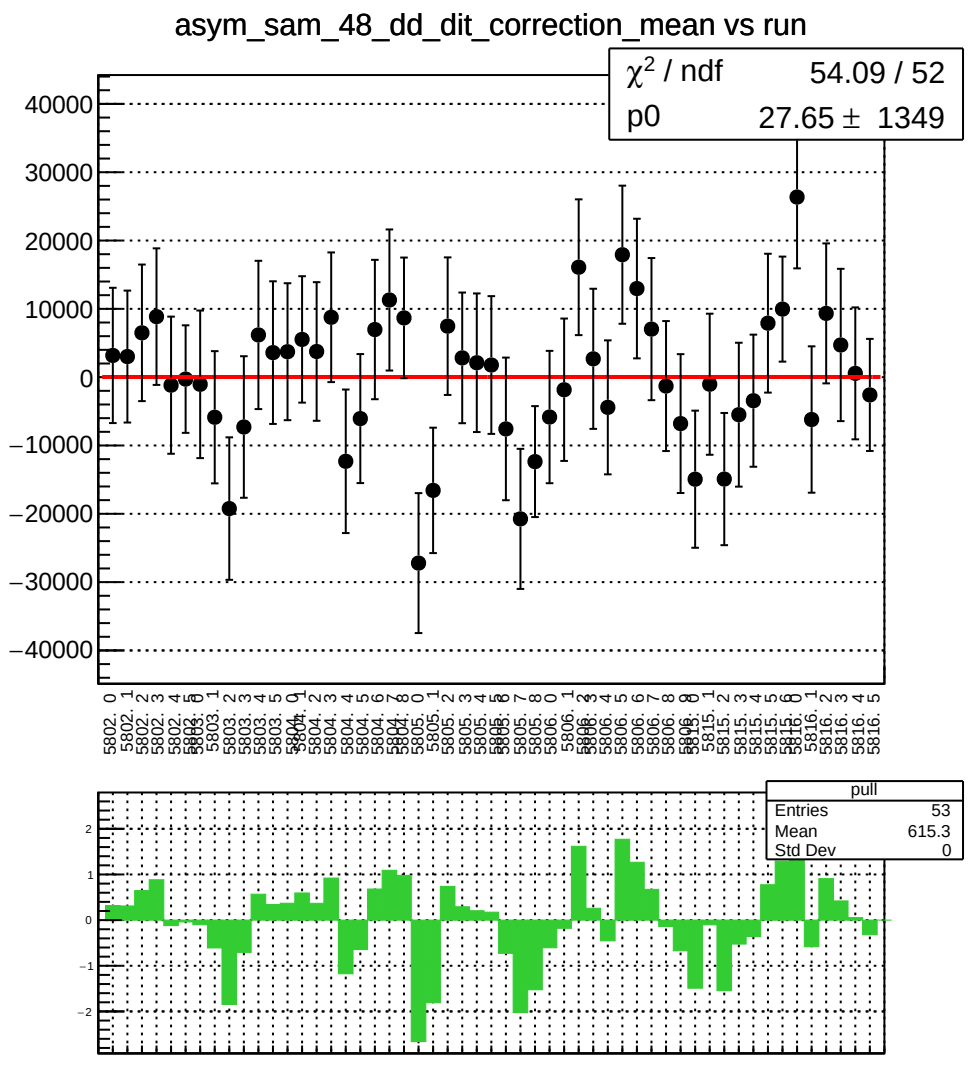

pull1D
Entries 53
Mean 0.002303
Std Dev 1.013

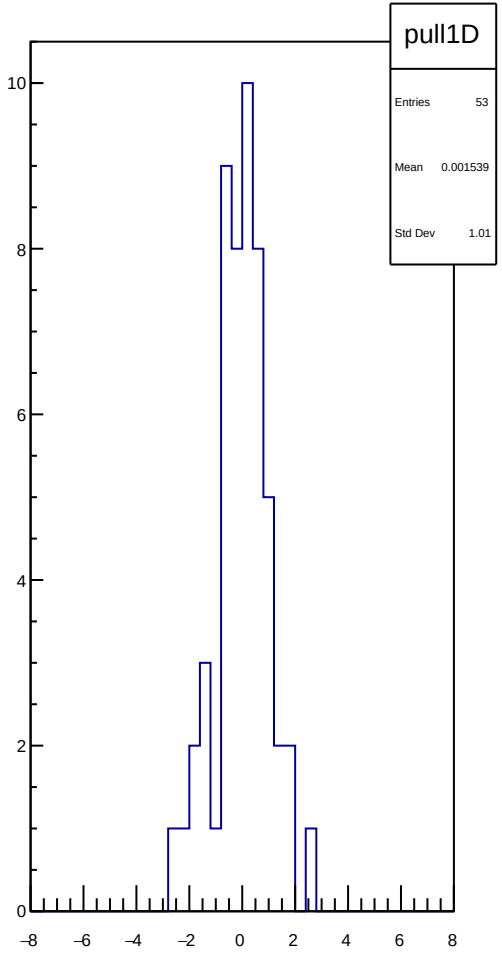

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1620 / 52
p0 948 ± 0.948
1050
1000
950
900
850

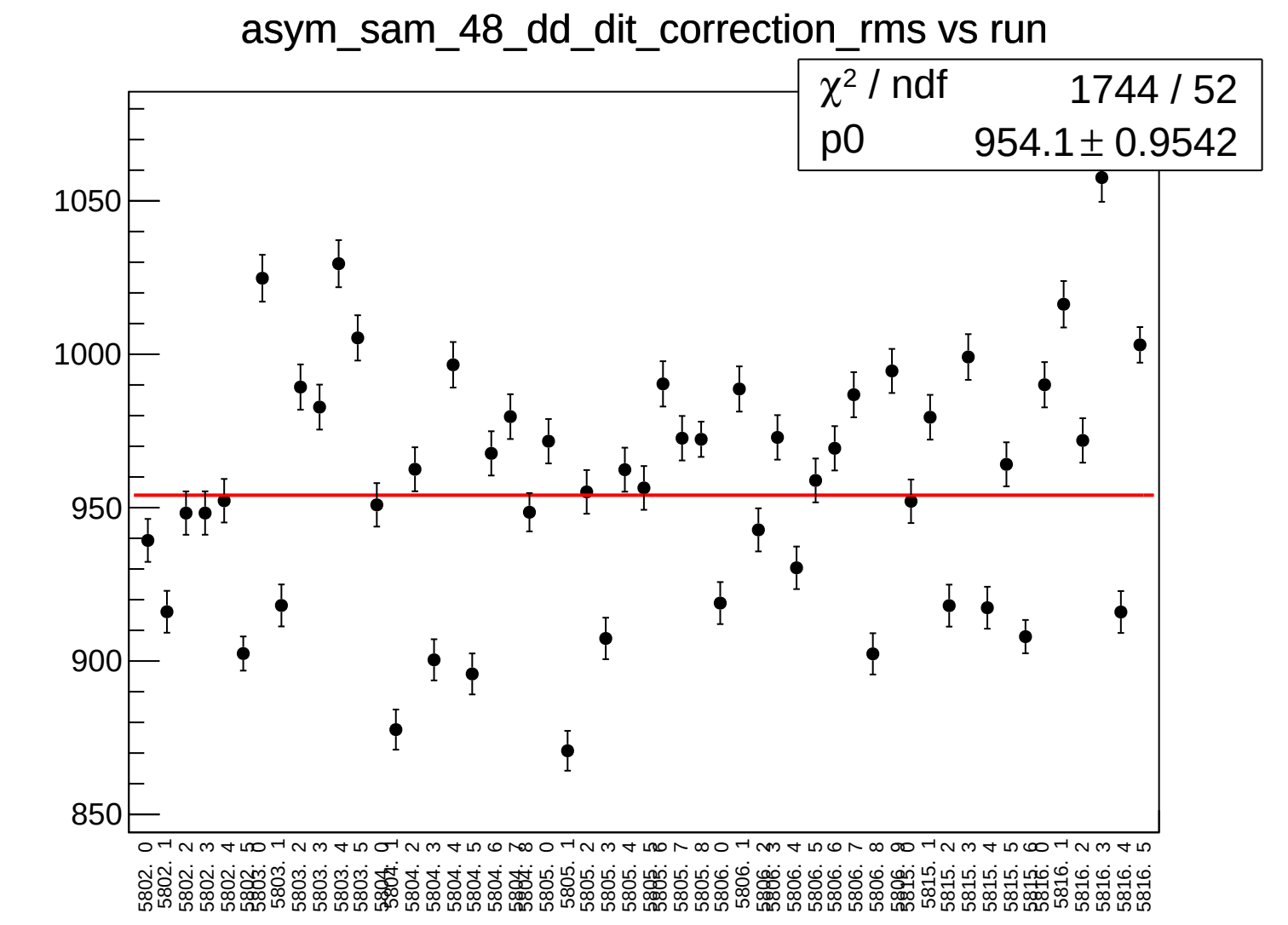

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 34.13 / 52
p0 263.1 ± 130.5
pull
Entries 53
Mean −283.5
Std Dev 0

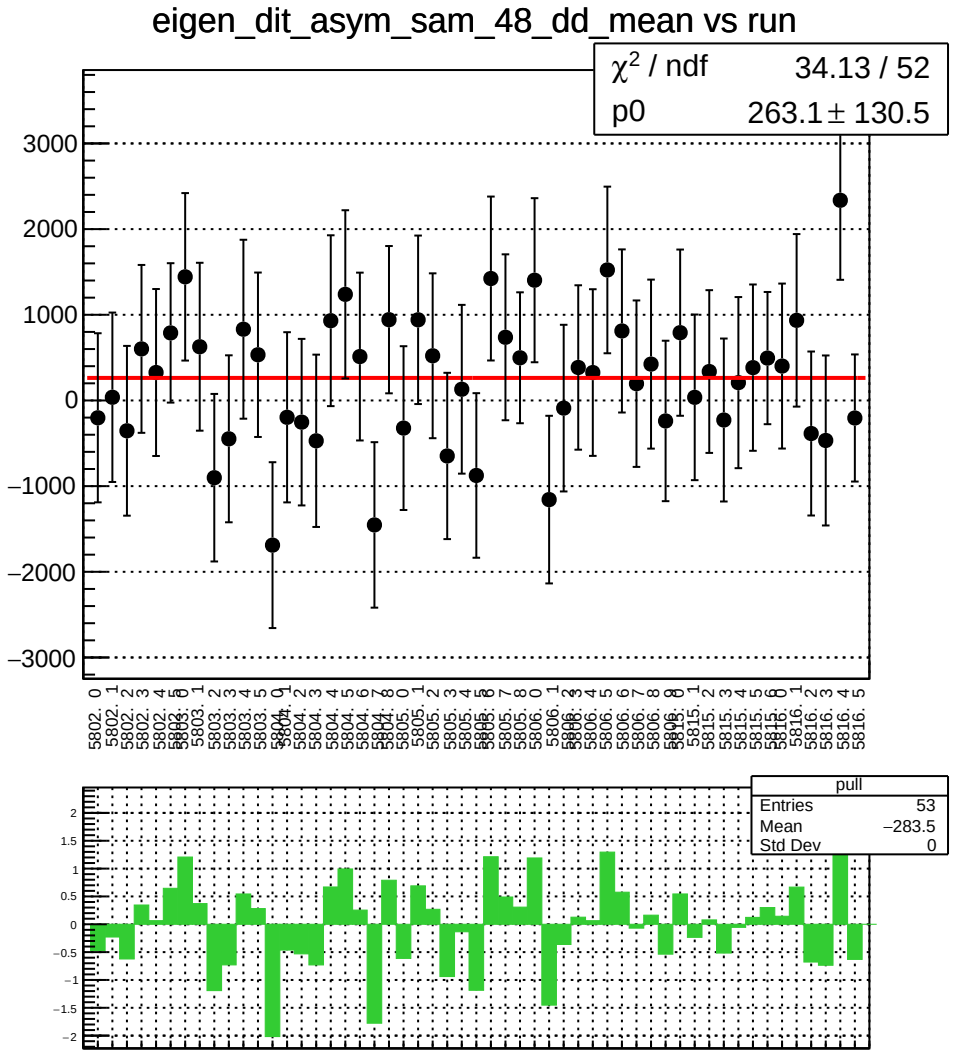

pull1D
Entries 53
Mean −0.00482
Std Dev 0.8024

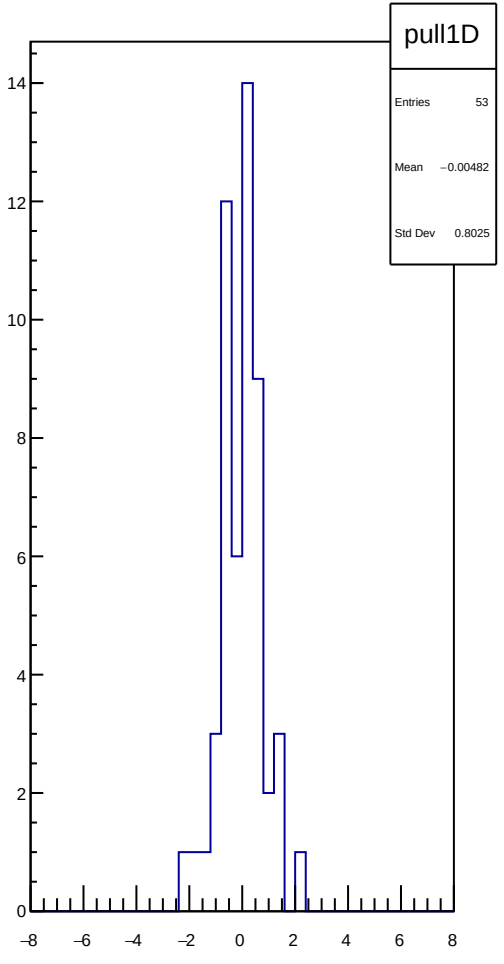

dit_asym_sam_48_dd_rms vs run
χ² / ndf 312.9 / 52
p0 92.33 ± 0.09227
100
98
96
94
92
90
88

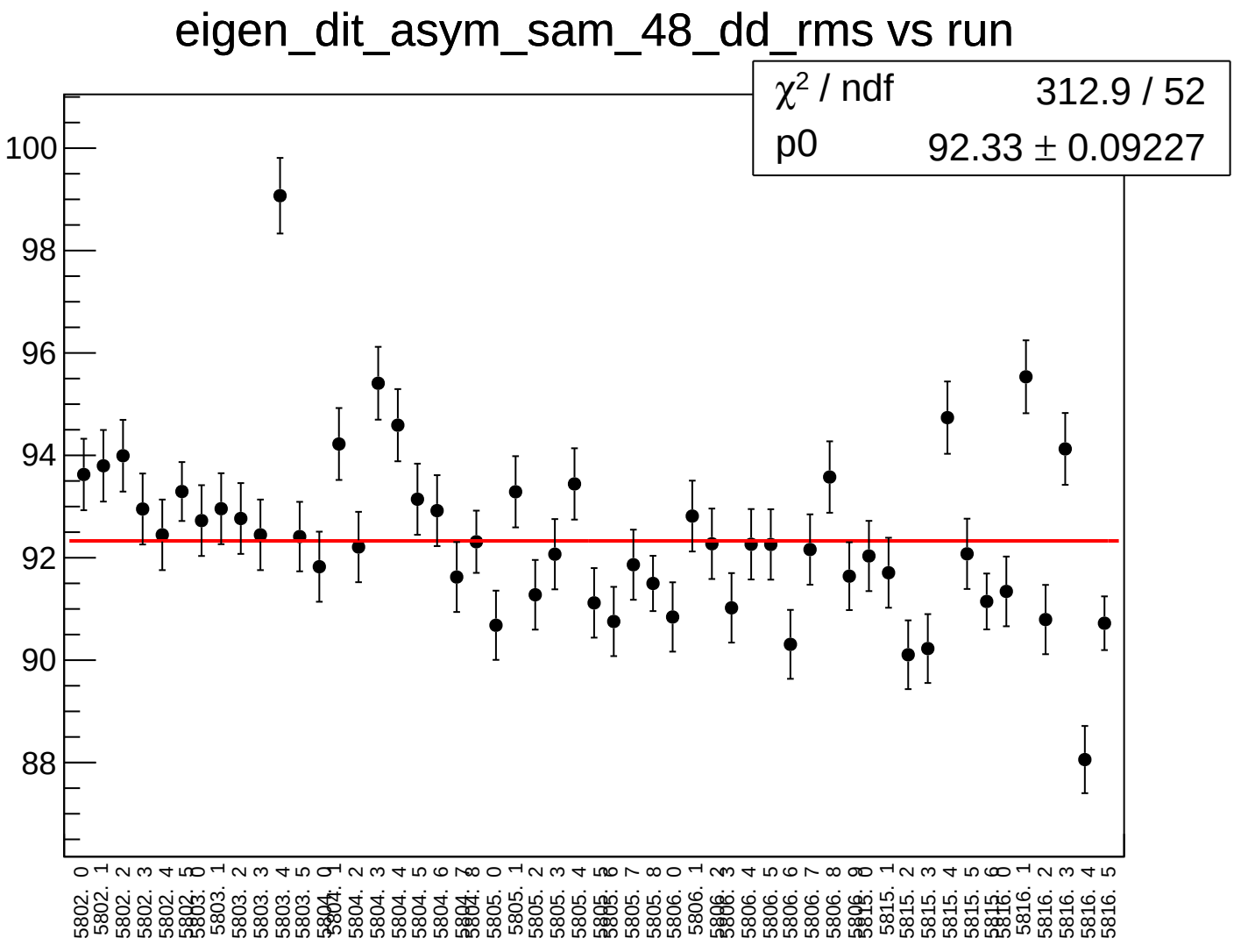

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 54.09 / 52
p0 27.65 ± 1349
pull
Entries 53
Mean 615.3
Std Dev 0

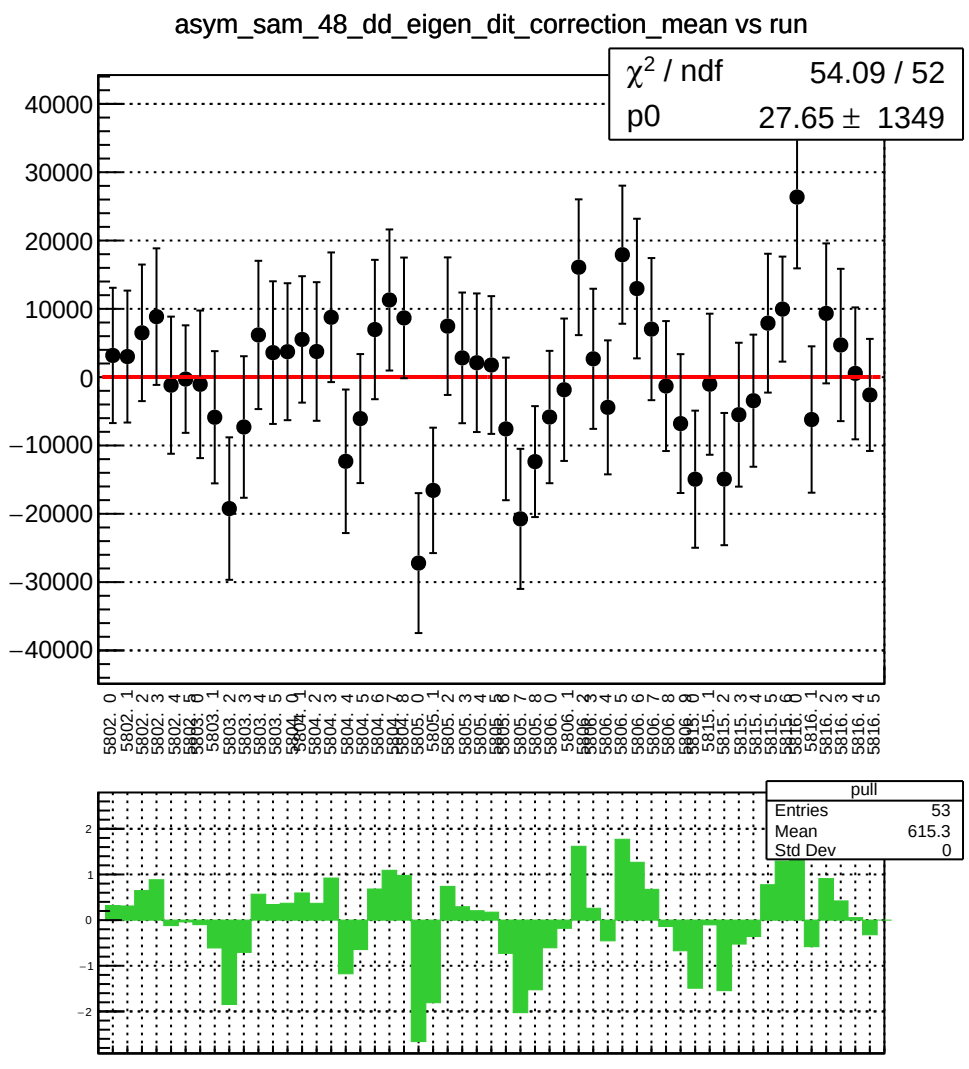

pull1D
Entries 53
Mean 0.001539
Std Dev 1.01

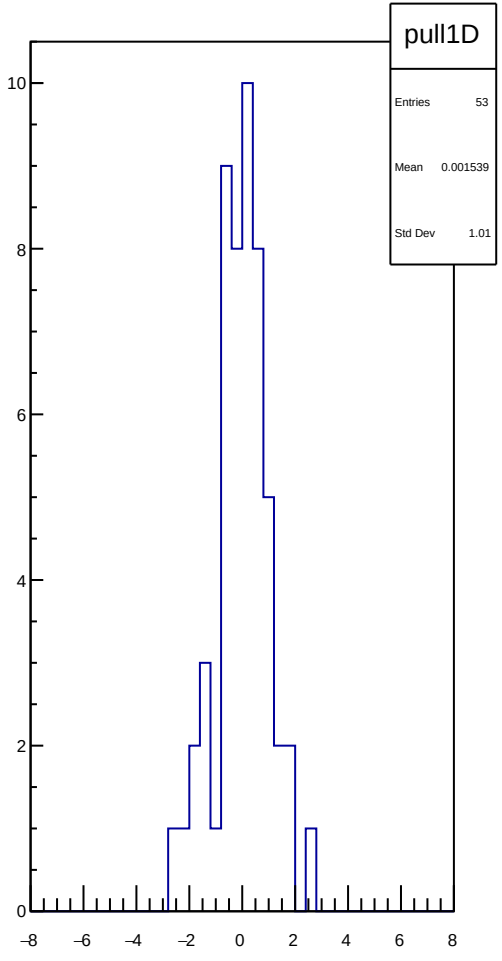

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1744 / 52
p0 954.1 ± 0.9542
1050
1000
950
900
850

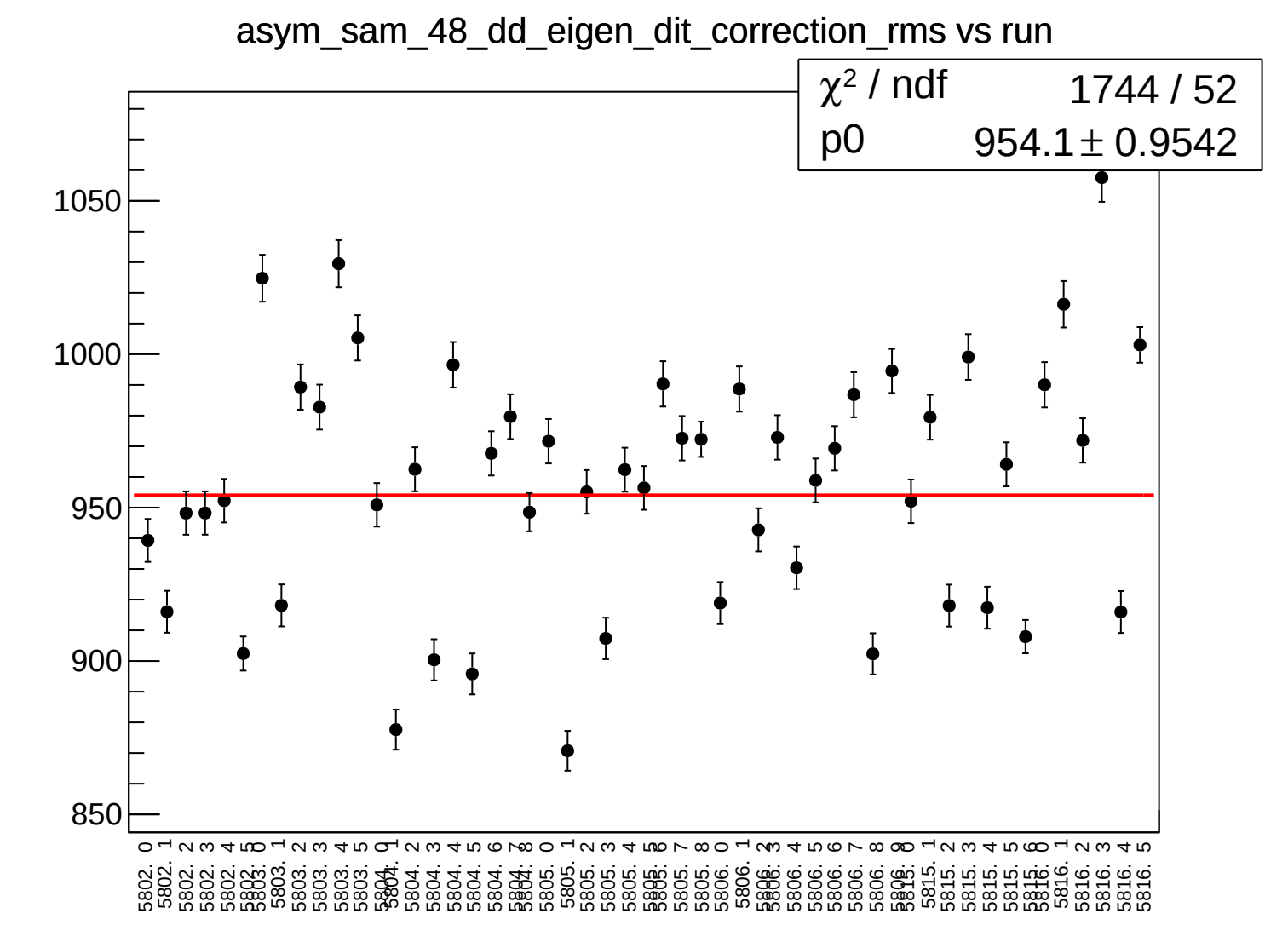

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 34.13 / 52
p0 263.1 ± 130.5
pull
Entries 53
Mean −283.5
Std Dev 0

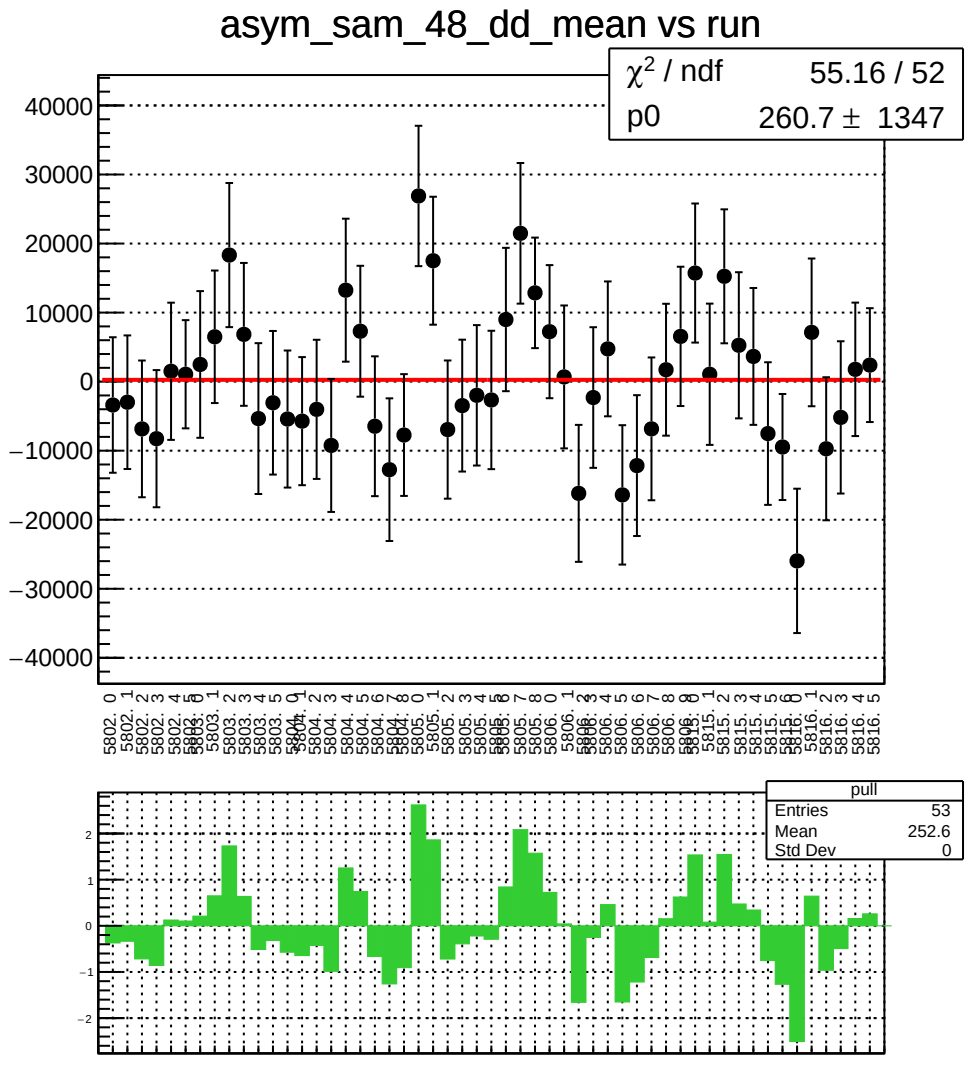

pull1D
Entries 53
Mean −0.00482
Std Dev 0.8025

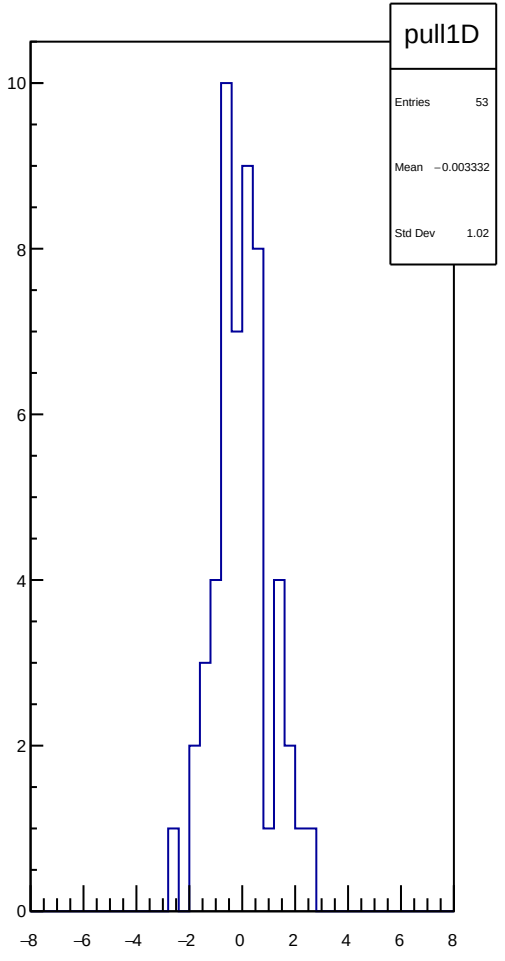

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 312.9 / 52
p0 92.33 ± 0.09227
100
98
96
94
92
90
88

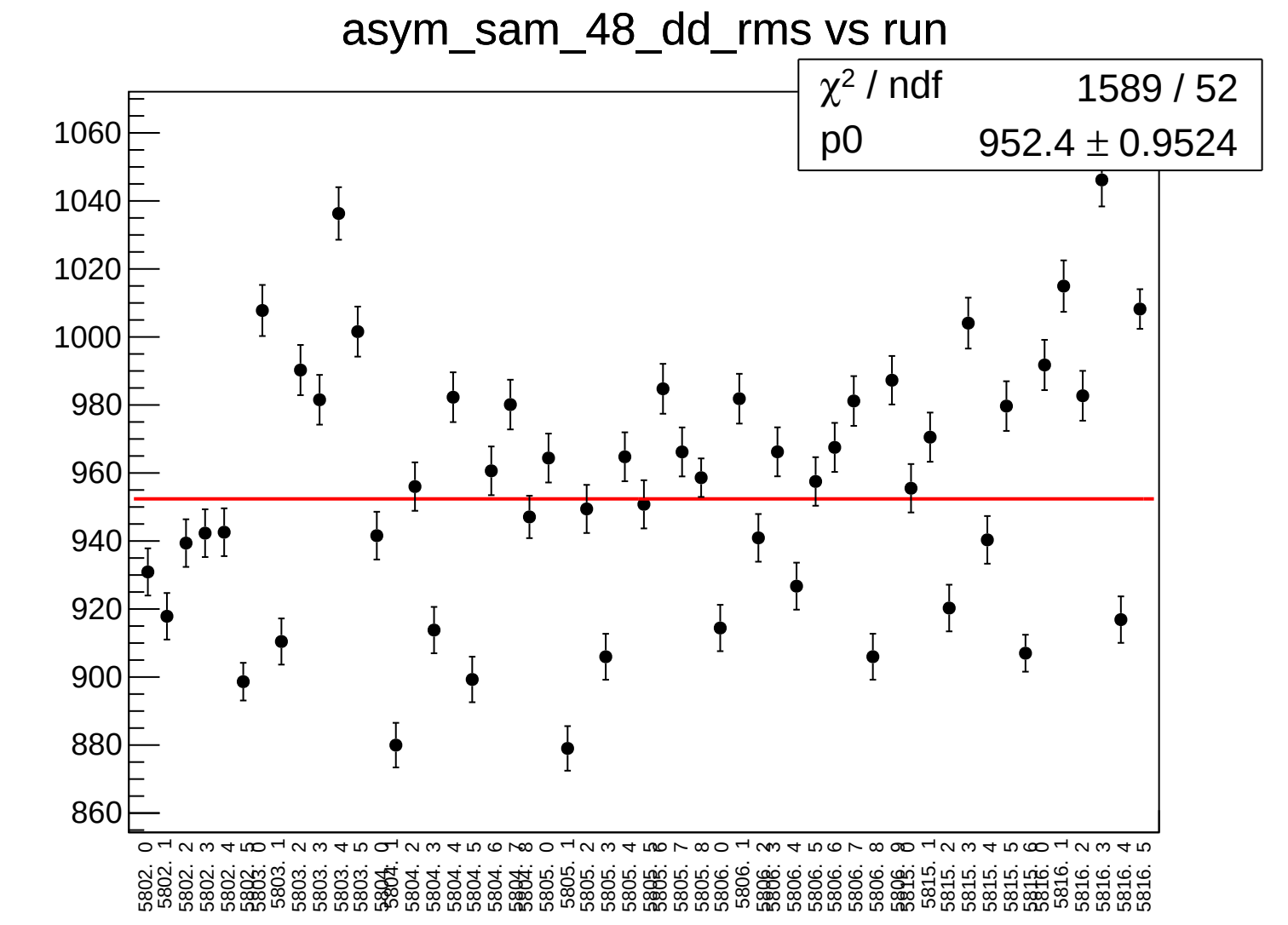

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 54.09 / 52
p0 27.65 ± 1349
pull
Entries 53
Mean 615.3
Std Dev 0

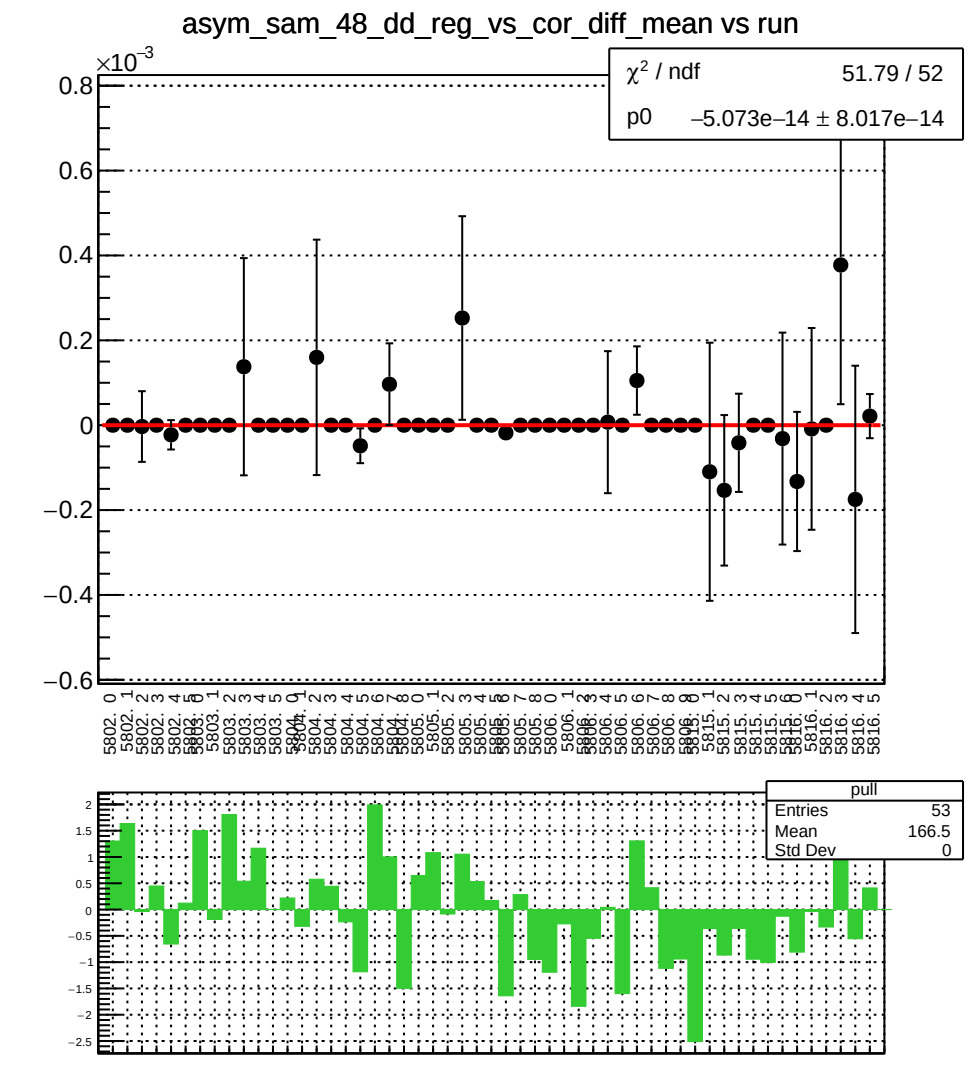

pull1D
Entries 53
Mean 0.001539
Std Dev 1.01

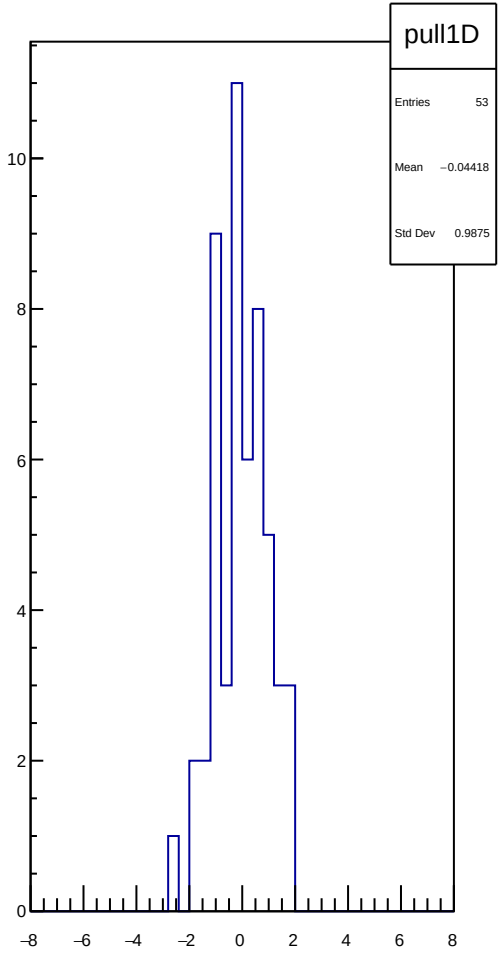

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1744 / 52
p0 954.1 ± 0.9542
1050
1000
950
900
850

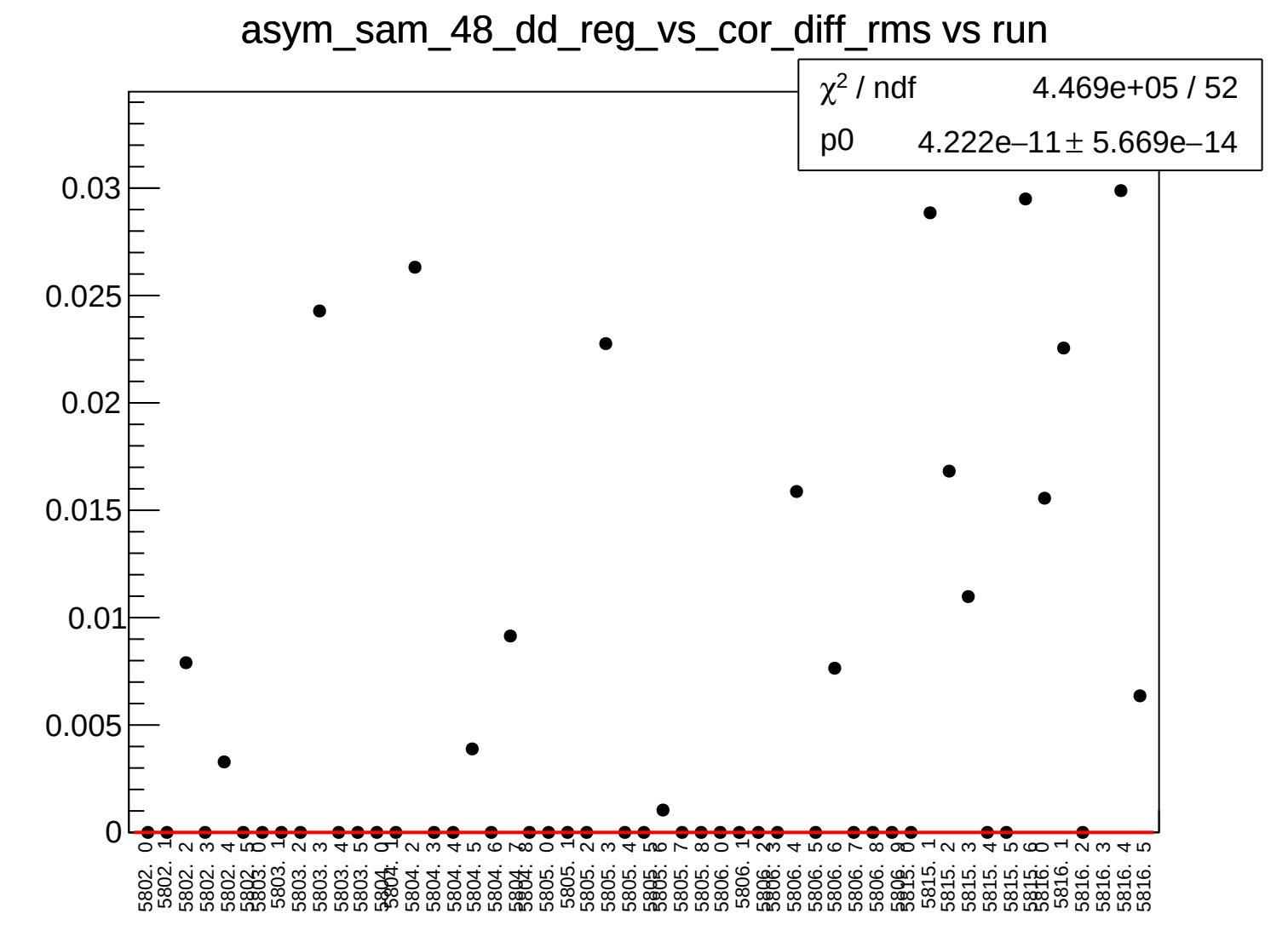

asym_sam_48_dd_mean vs run
χ² / ndf 55.16 / 52
p0 260.7 ± 1347
pull
Entries 53
Mean 252.6
Std Dev 0

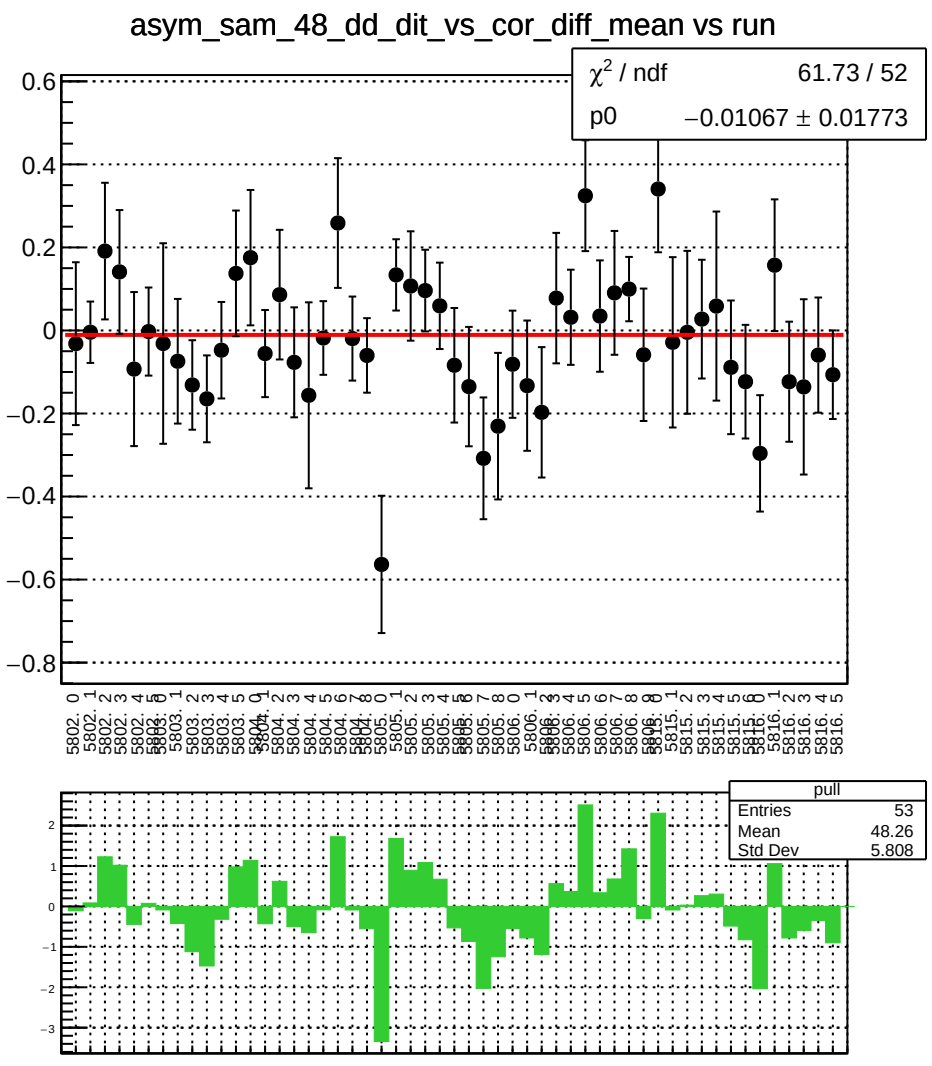

pull1D
Entries 53
Mean −0.003332
Std Dev 1.02

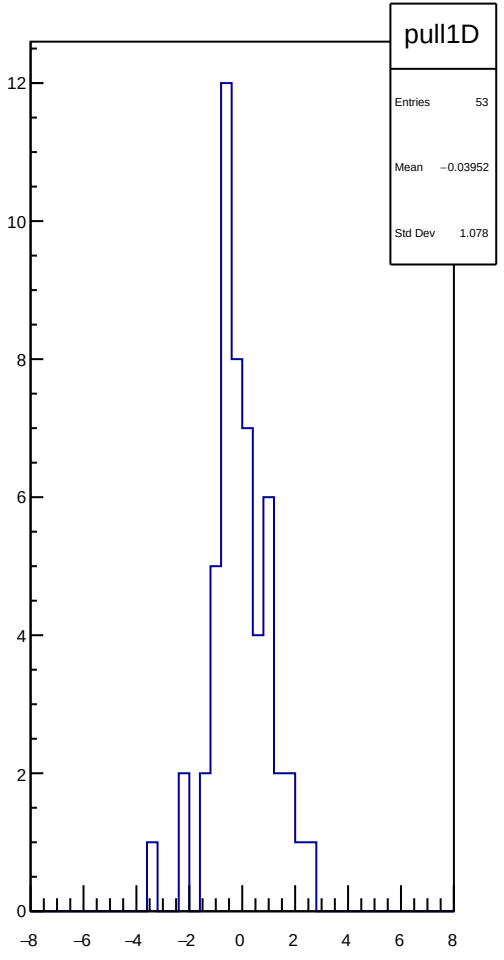

asym_sam_48_dd_rms vs run
χ² / ndf 1589 / 52
p0 952.4 ± 0.9524
1060
1040
1020
1000
980
960
940
920
900
880
860

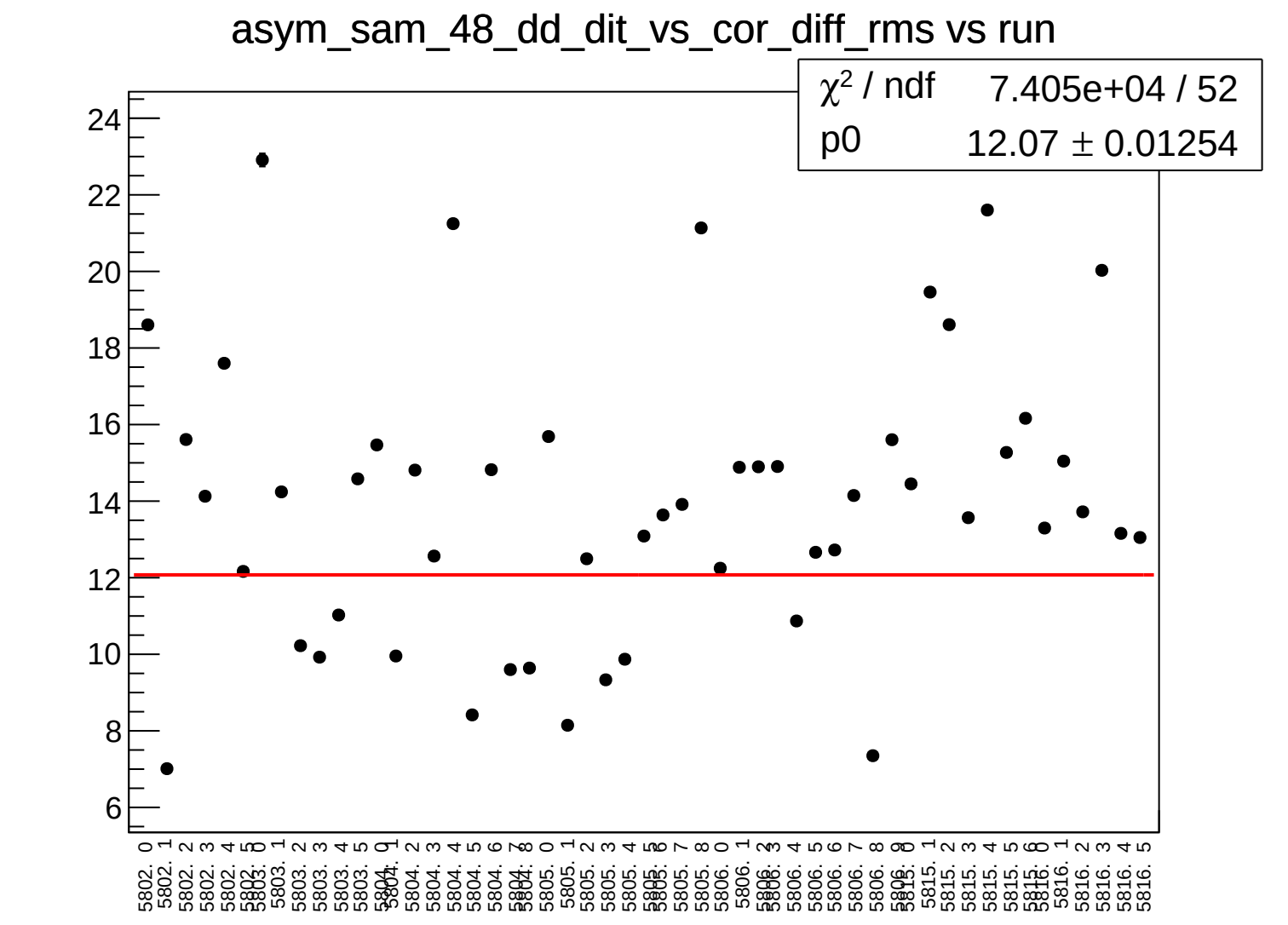

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 51.79 / 52
p0 −5.073e−14 ± 8.017e−14
pull
Entries 53
Mean 166.5
Std Dev 0

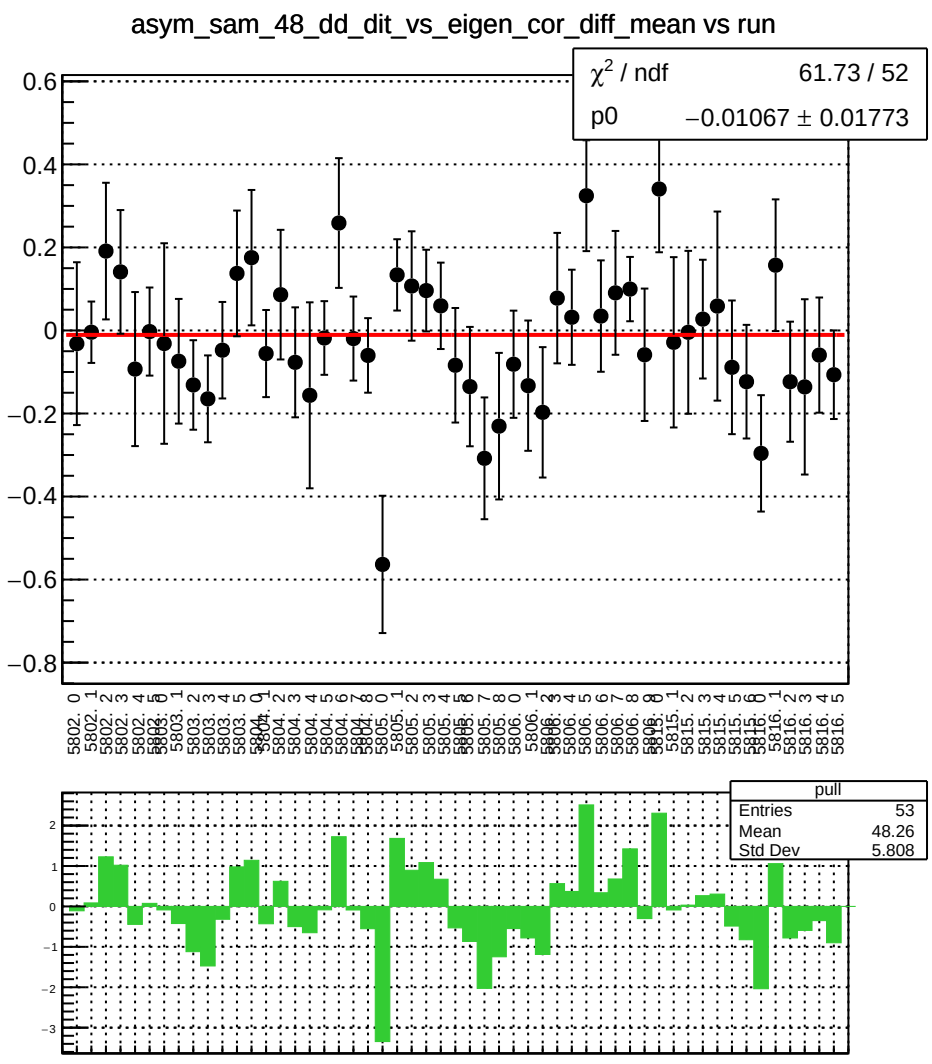

pull1D
Entries 53
Mean −0.04418
Std Dev 0.9875

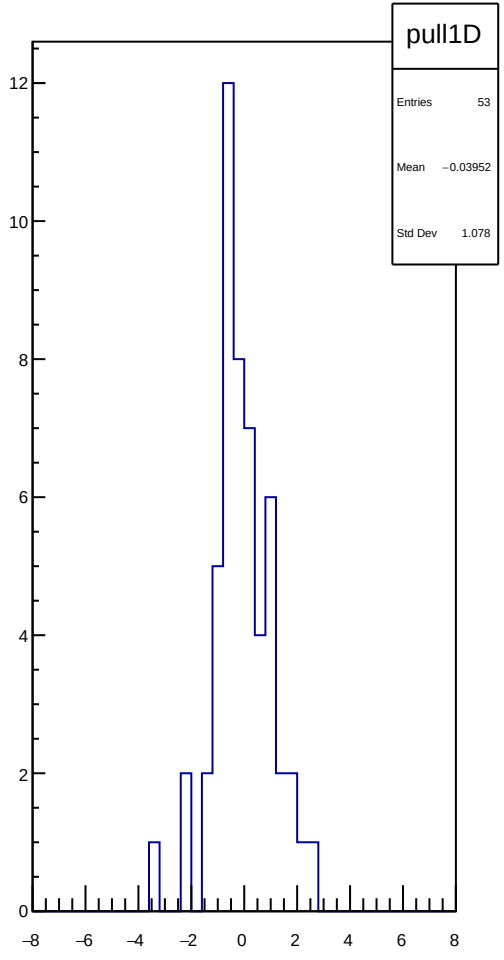

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.469e+05 / 52
p0 4.222e−11 ± 5.669e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

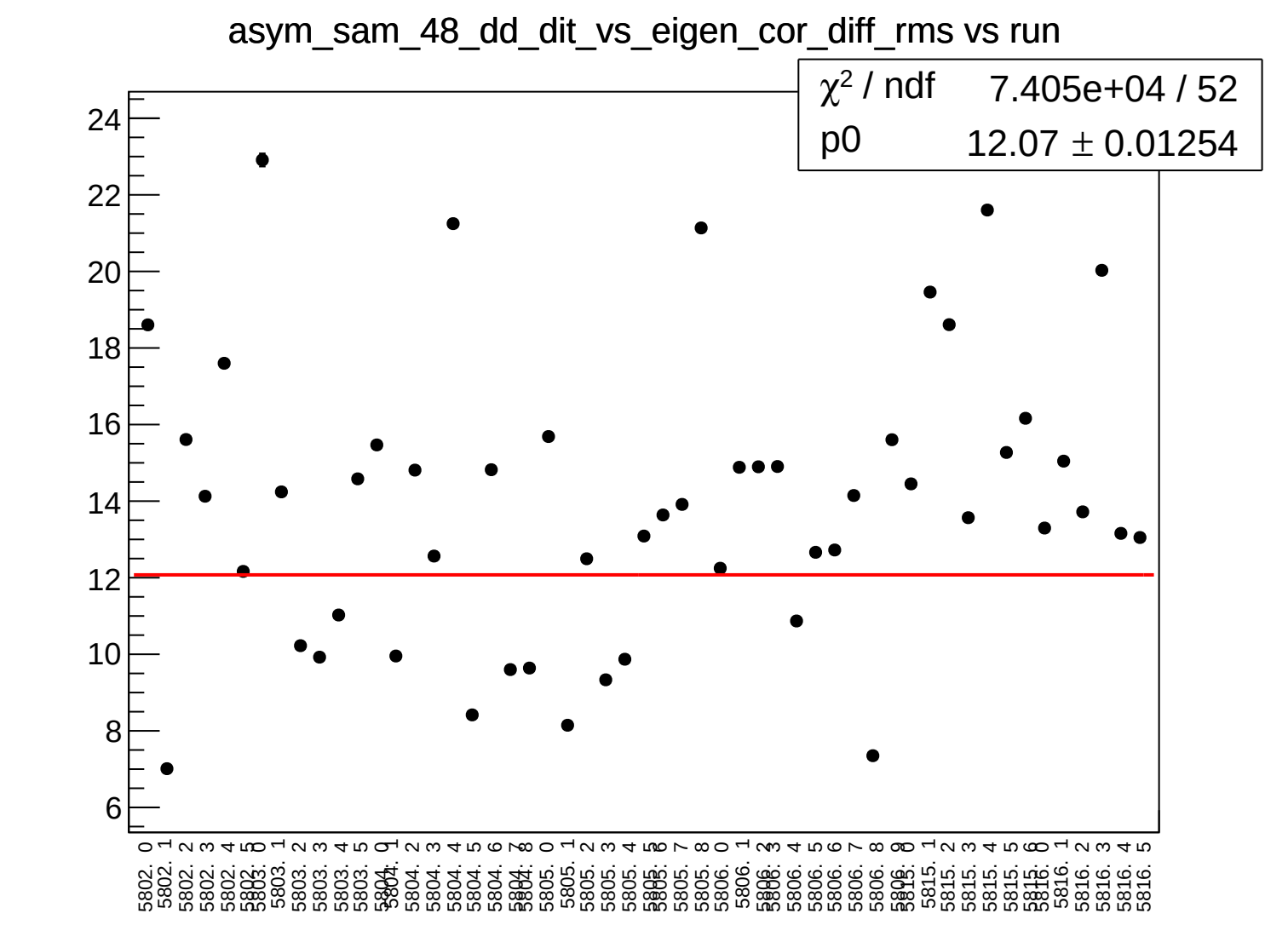

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.73 / 52
p0 −0.01067 ± 0.01773
pull
Entries 53
Mean 48.26
Std Dev 5.808

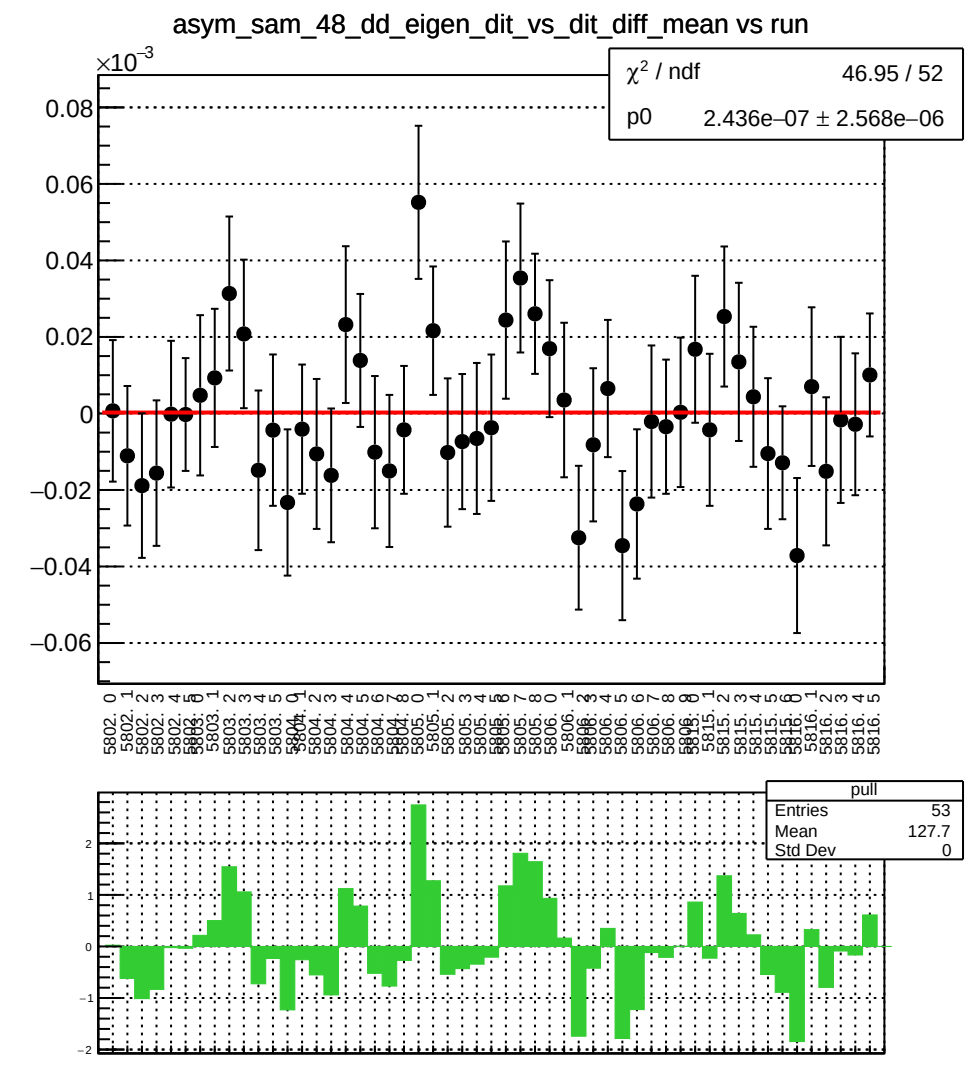

pull1D
Entries 53
Mean −0.03952
Std Dev 1.078

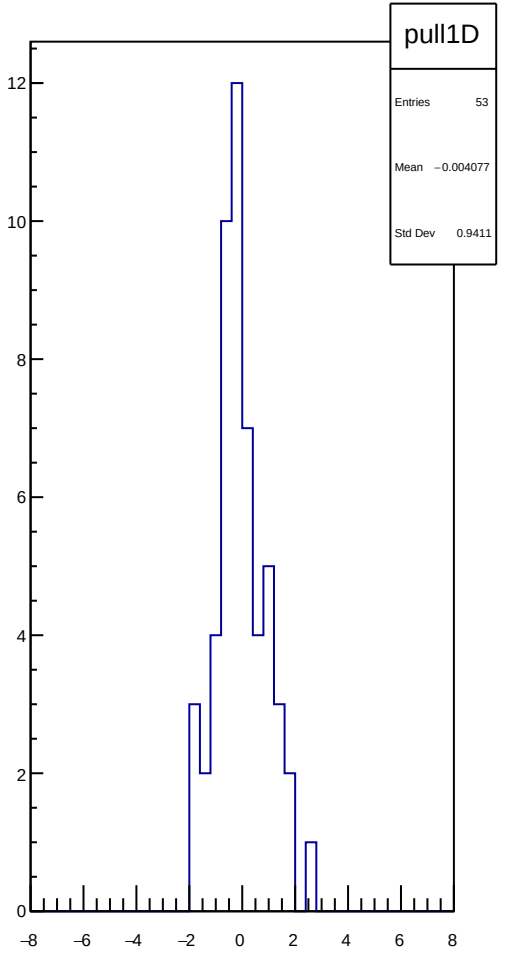

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.405e+04 / 52
p0 12.07 ± 0.01254
24
22
20
18
16
14
12
10
8
6

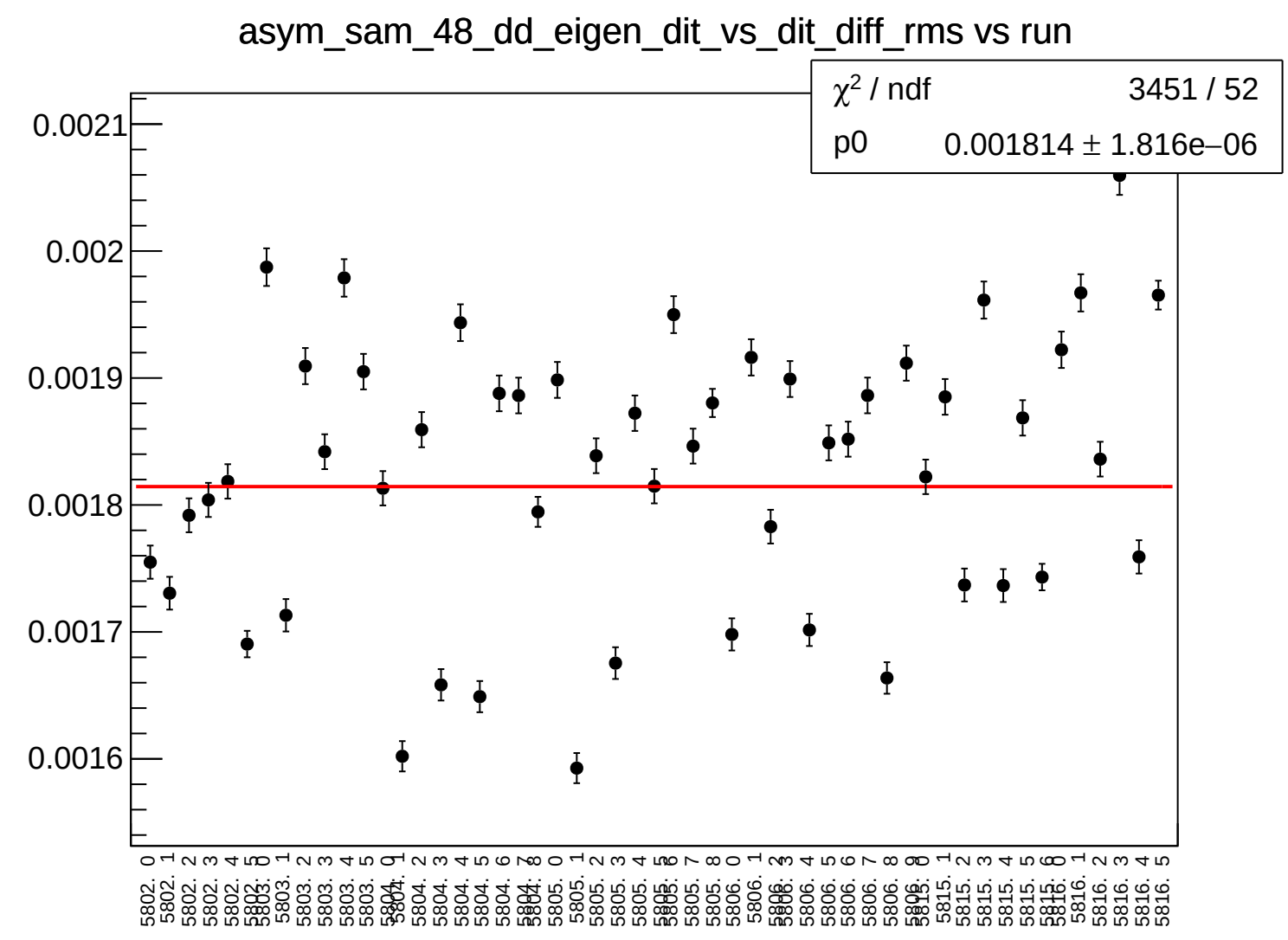

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.73 / 52
p0 −0.01067 ± 0.01773
pull
Entries 53
Mean 48.26
Std Dev 5.808

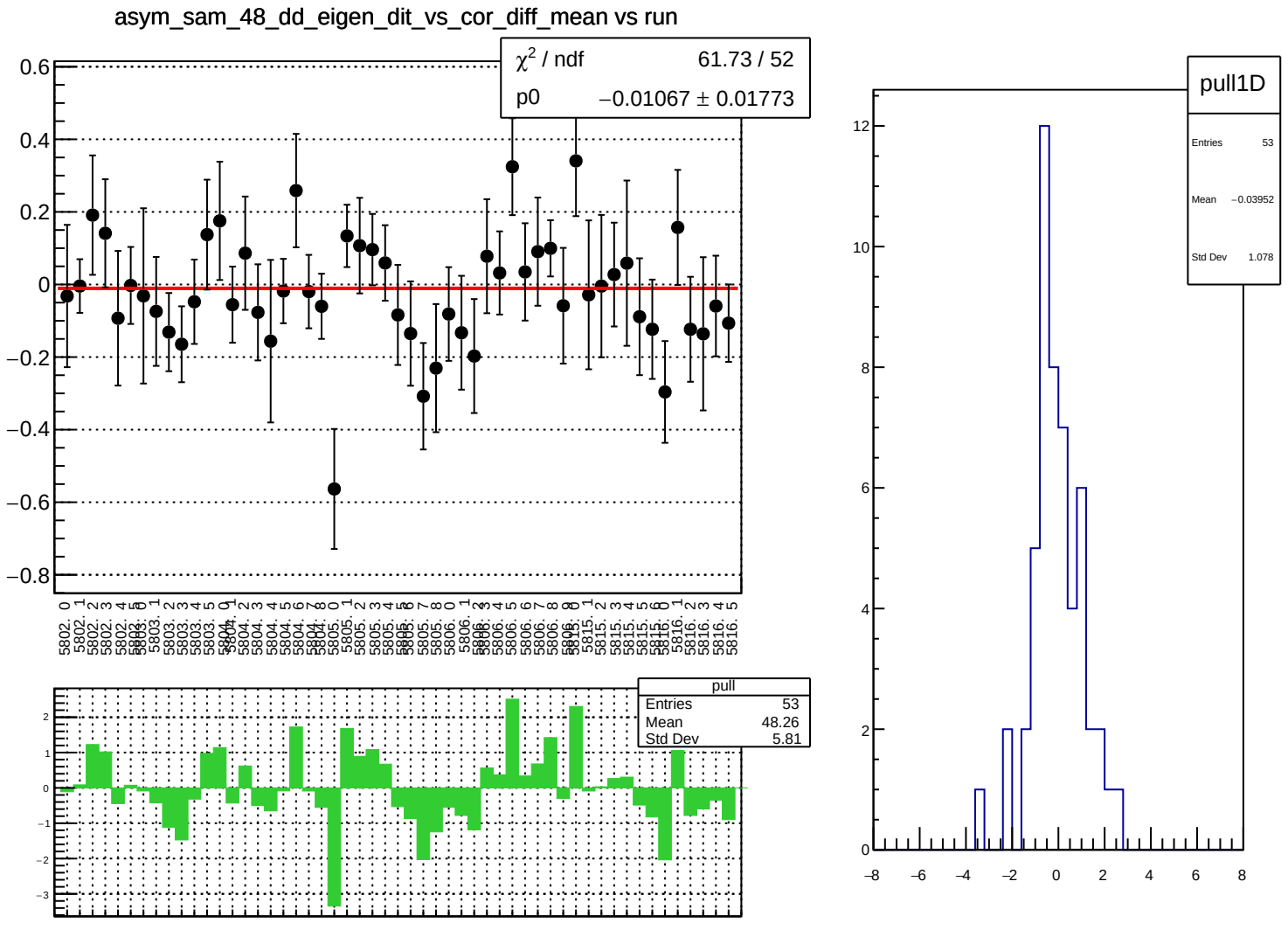

pull1D
Entries 53
Mean −0.03952
Std Dev 1.078

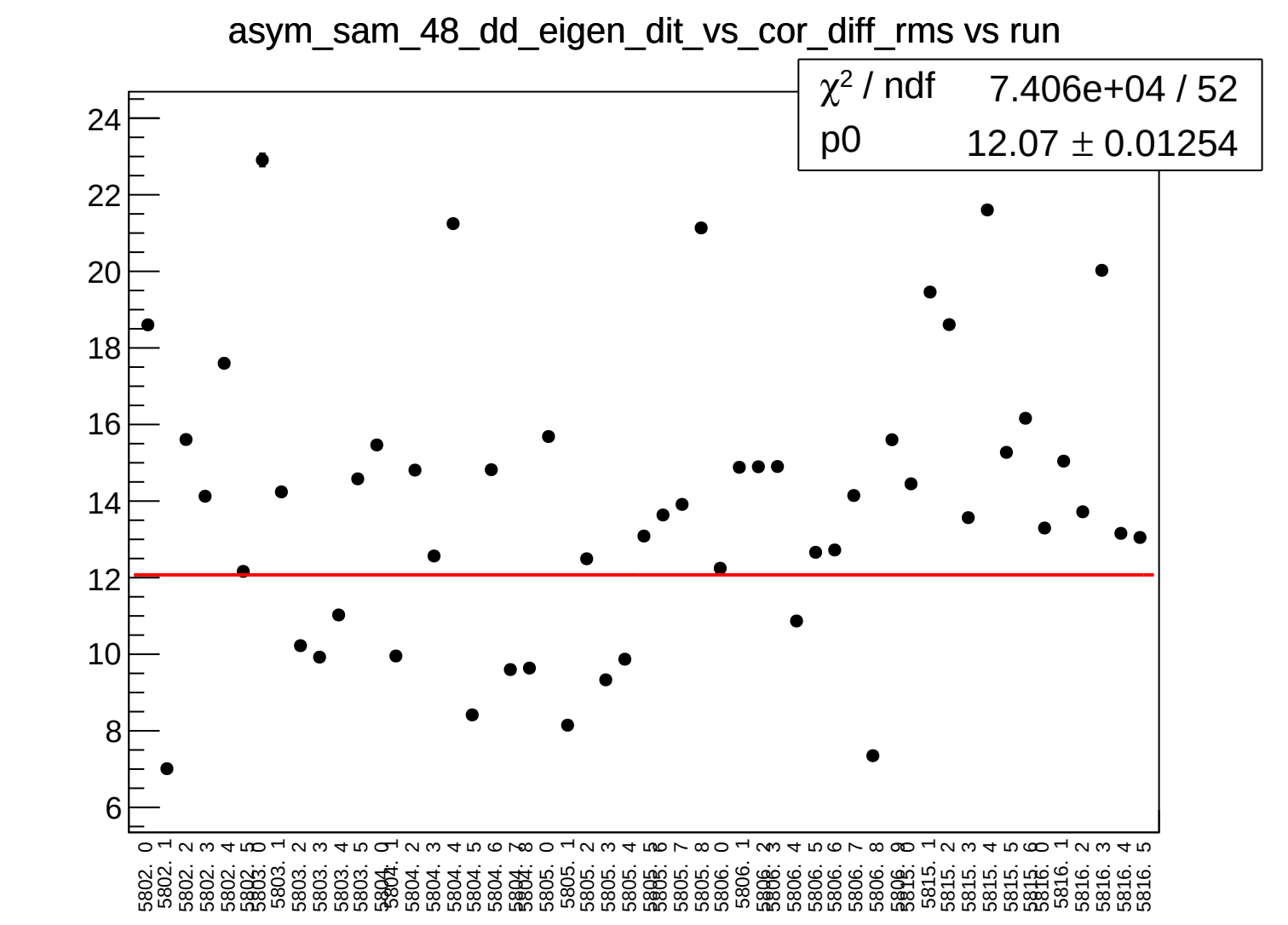

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.405e+04 / 52
p0 12.07 ± 0.01254
24
22
20
18
16
14
12
10
8
6

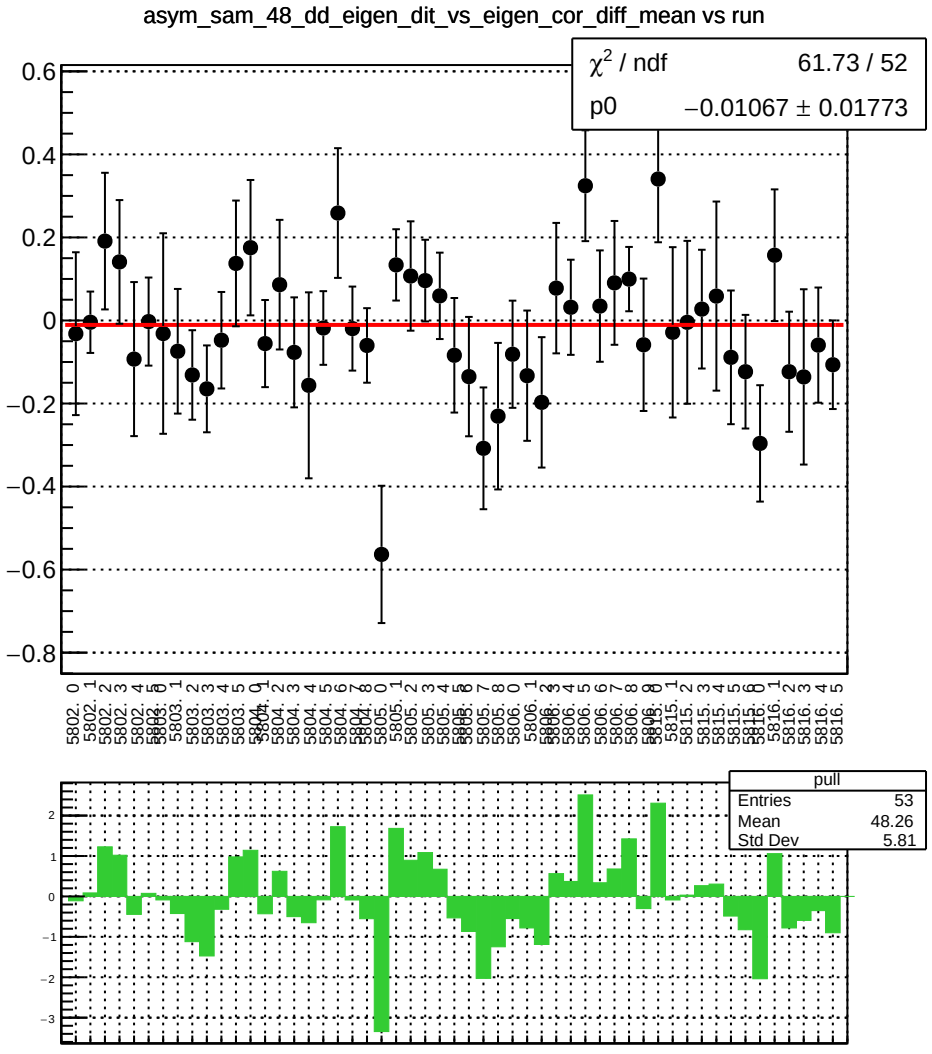

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.95 / 52
p0 2.436e−07 ± 2.568e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 53
Mean 127.7
Std Dev 0

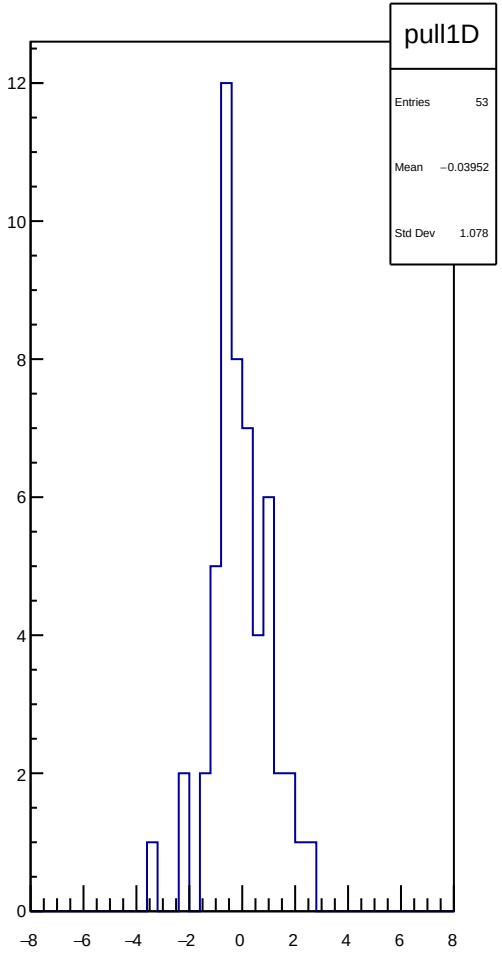

pull1D
Entries 53
Mean −0.004077
Std Dev 0.9411
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

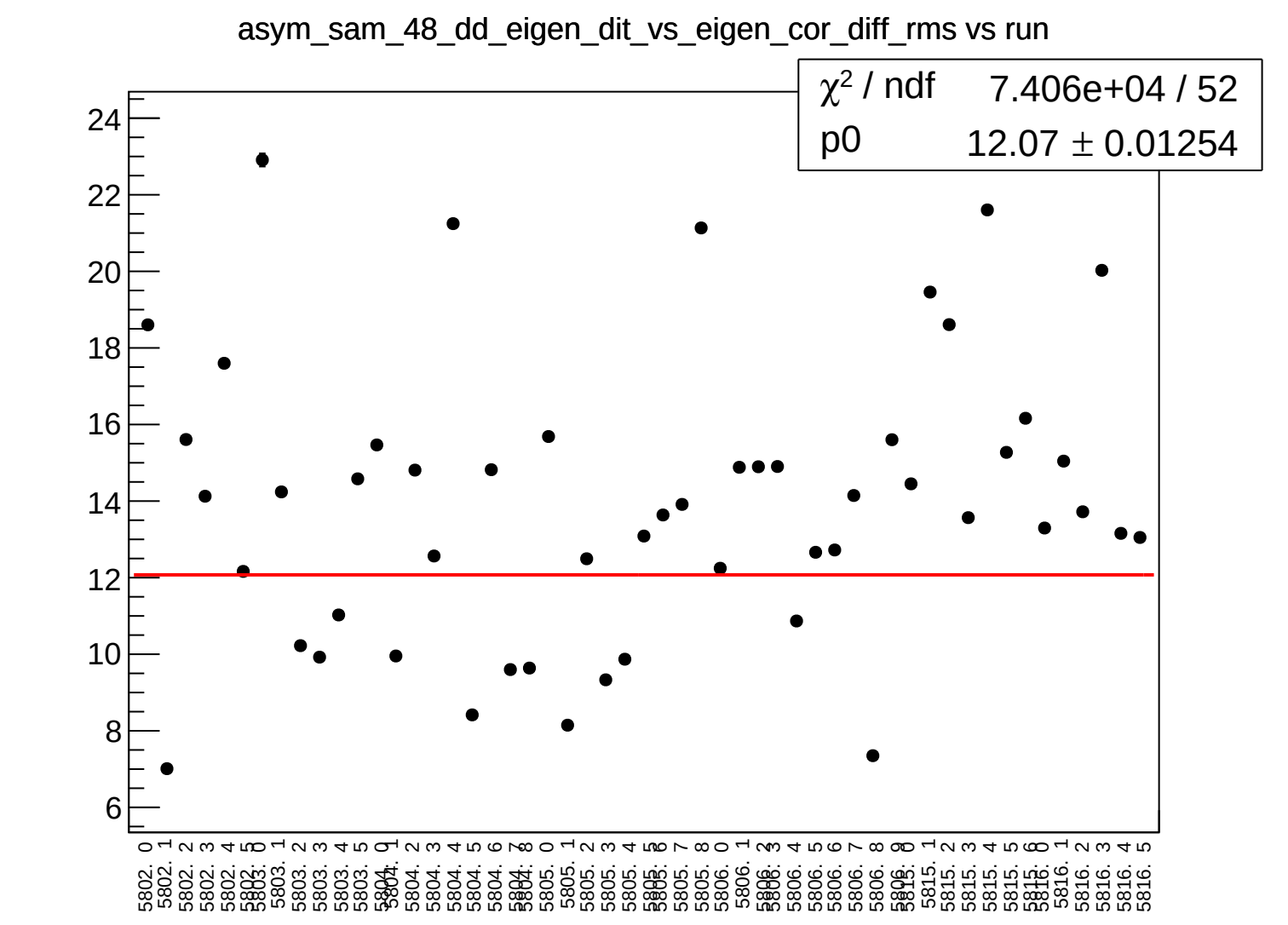

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3451 / 52
p0 0.001814 ± 1.816e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

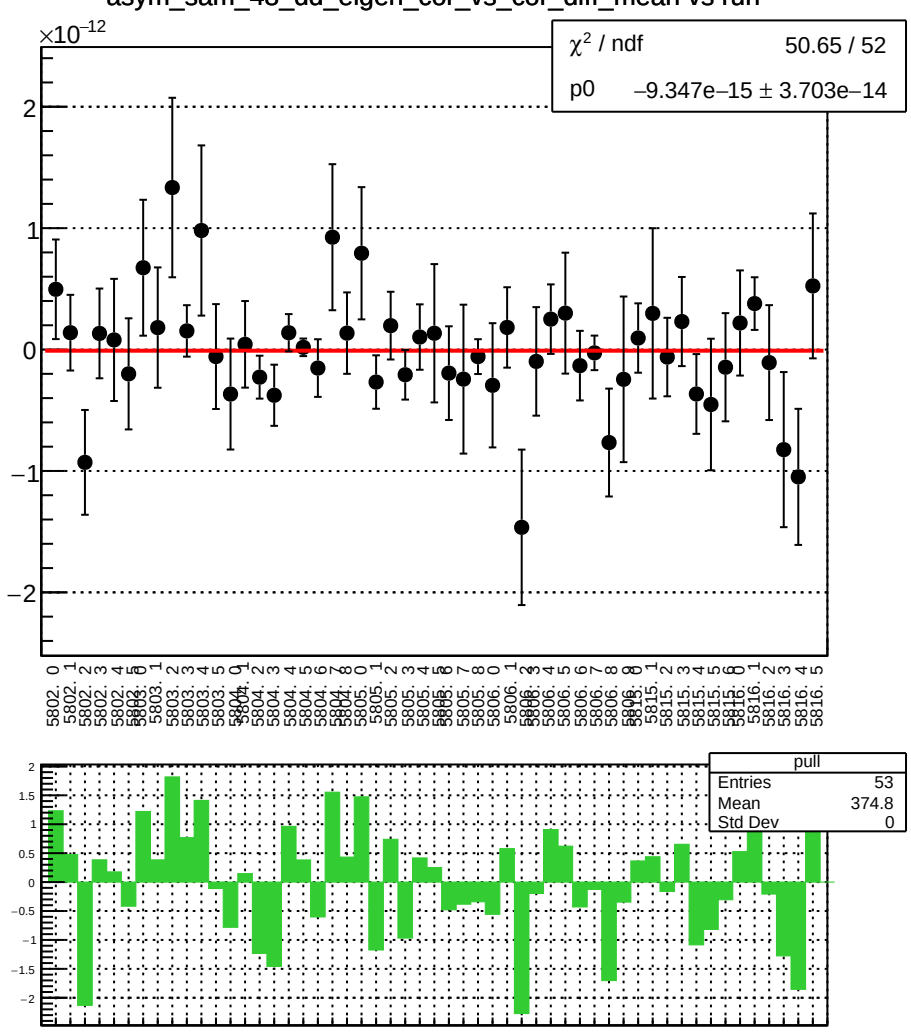

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.73 / 52
p0 −0.01067 ± 0.01773
pull
Entries 53
Mean 48.26
Std Dev 5.81
pull1D
Entries 53
Mean −0.03952
Std Dev 1.078

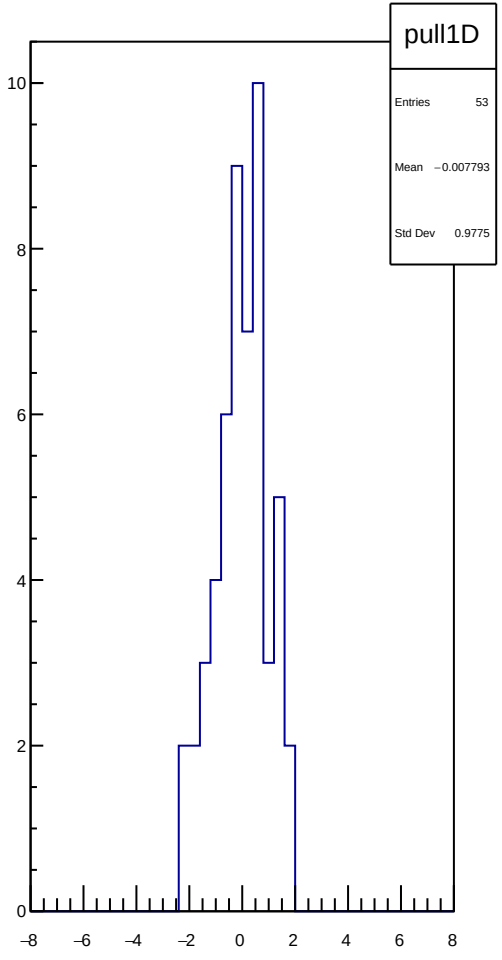

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.406e+04 / 52
p0 12.07 ± 0.01254
24
22
20
18
16
14
12
10
8
6

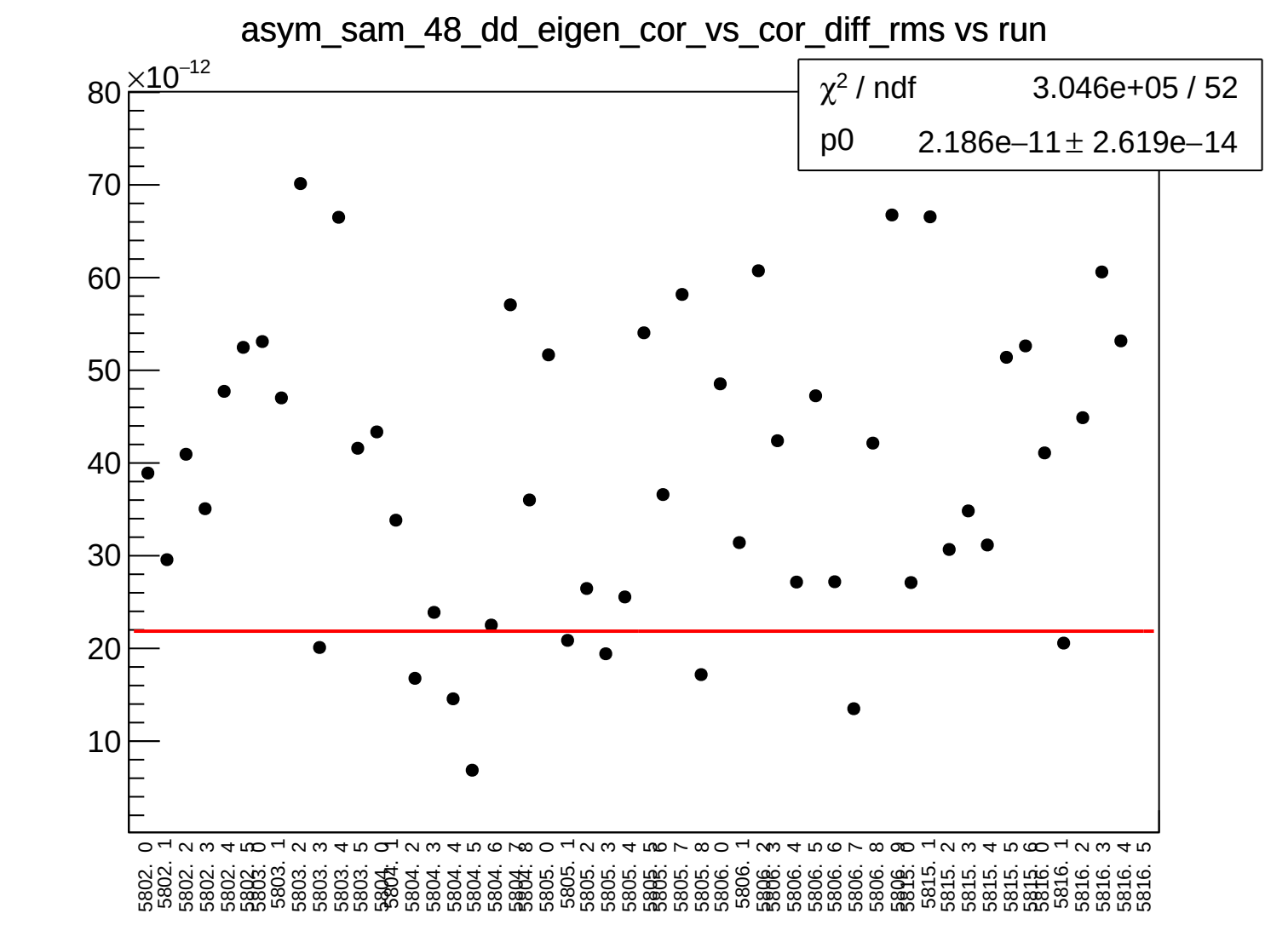

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.73 / 52
p0 −0.01067 ± 0.01773
pull
Entries 53
Mean 48.26
Std Dev 5.81

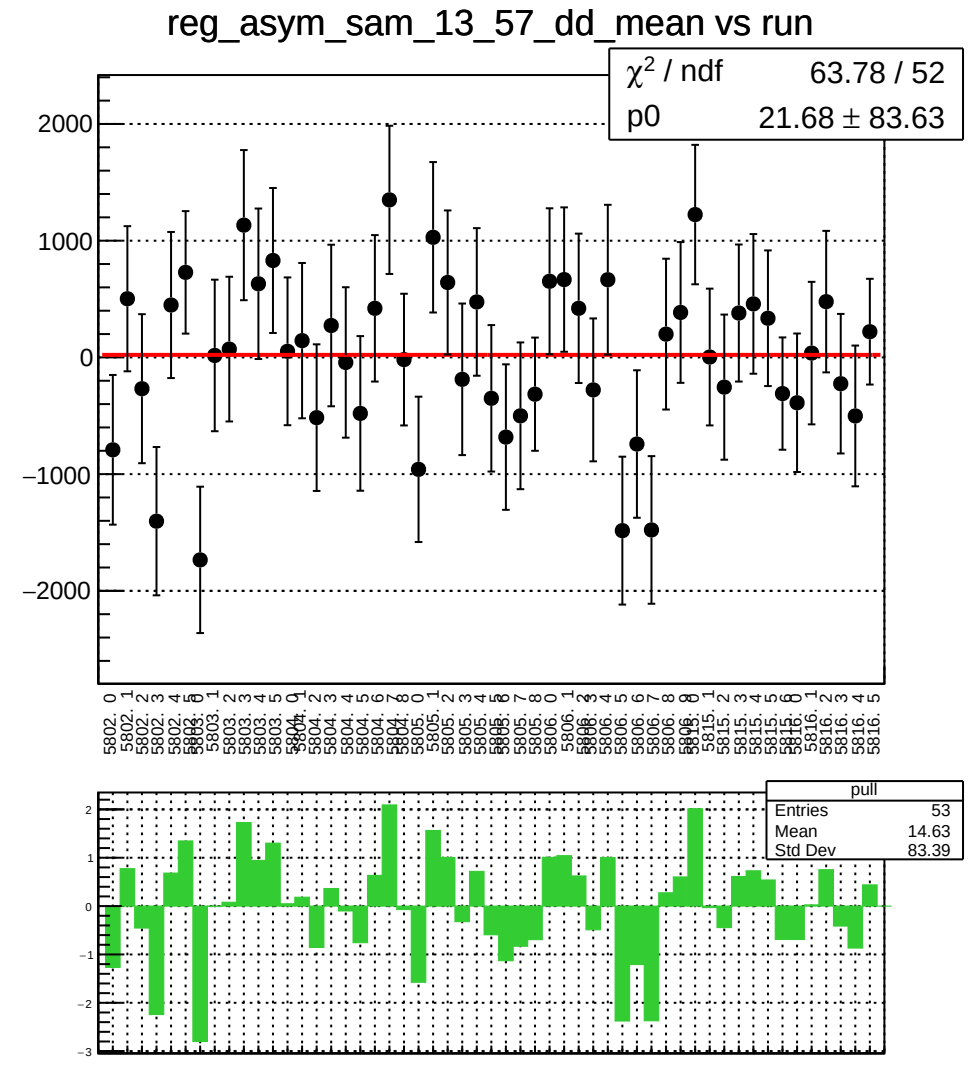

pull1D
Entries 53
Mean −0.03952
Std Dev 1.078

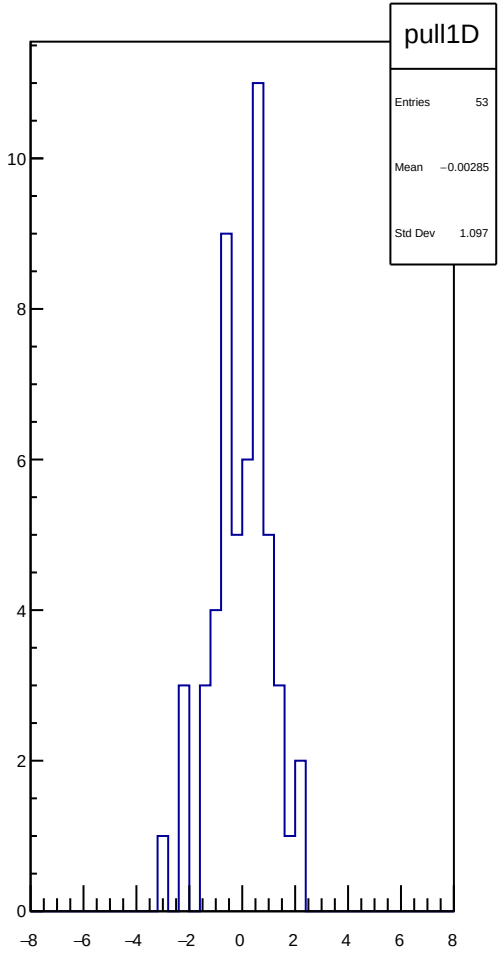

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.406e+04 / 52
p0 12.07 ± 0.01254
24
22
20
18
16
14
12
10
8
6

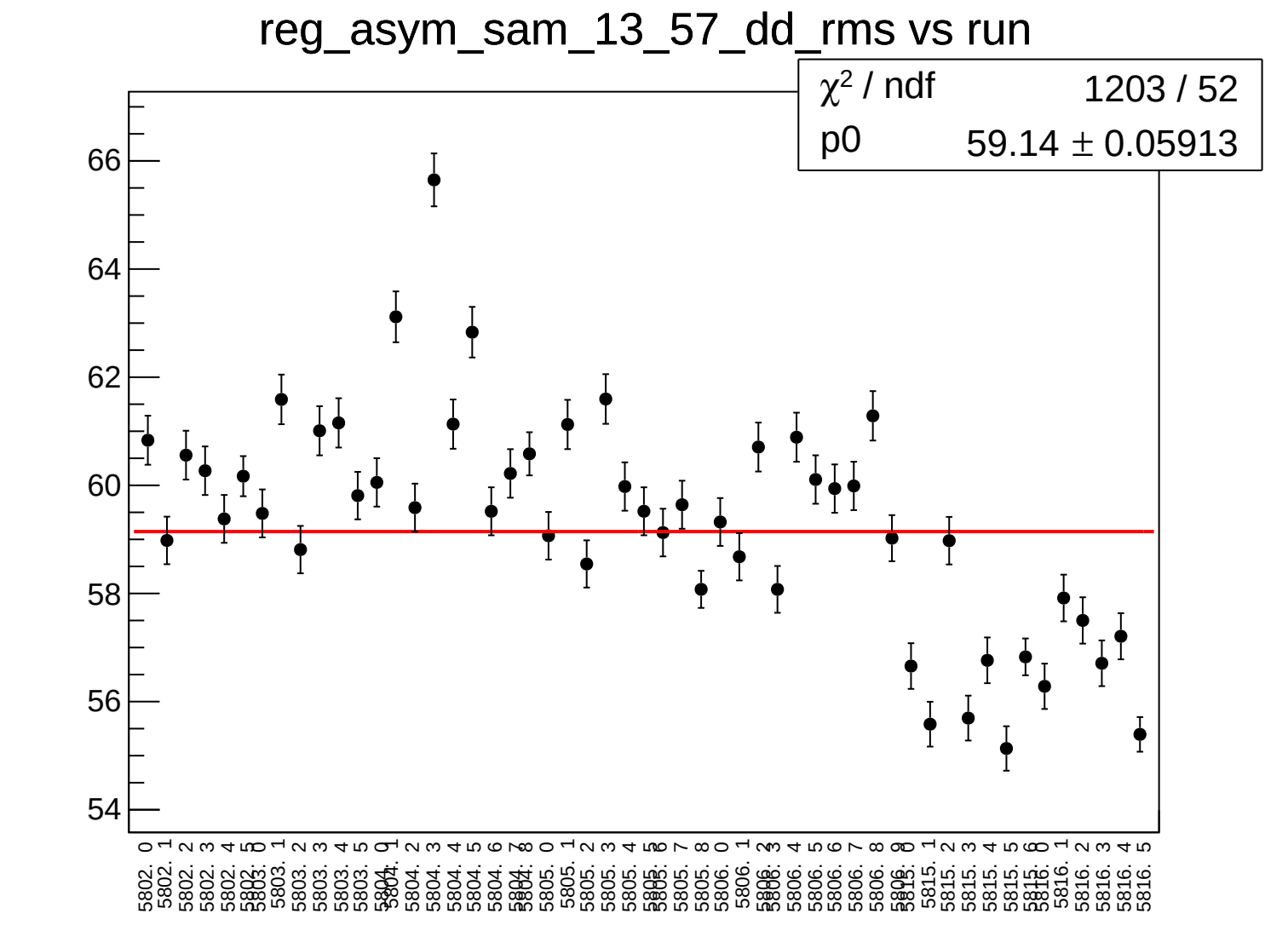

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.65 / 52
p0 −9.347e−15 ± 3.703e−14
pull
Entries 53
Mean 374.8
Std Dev 0

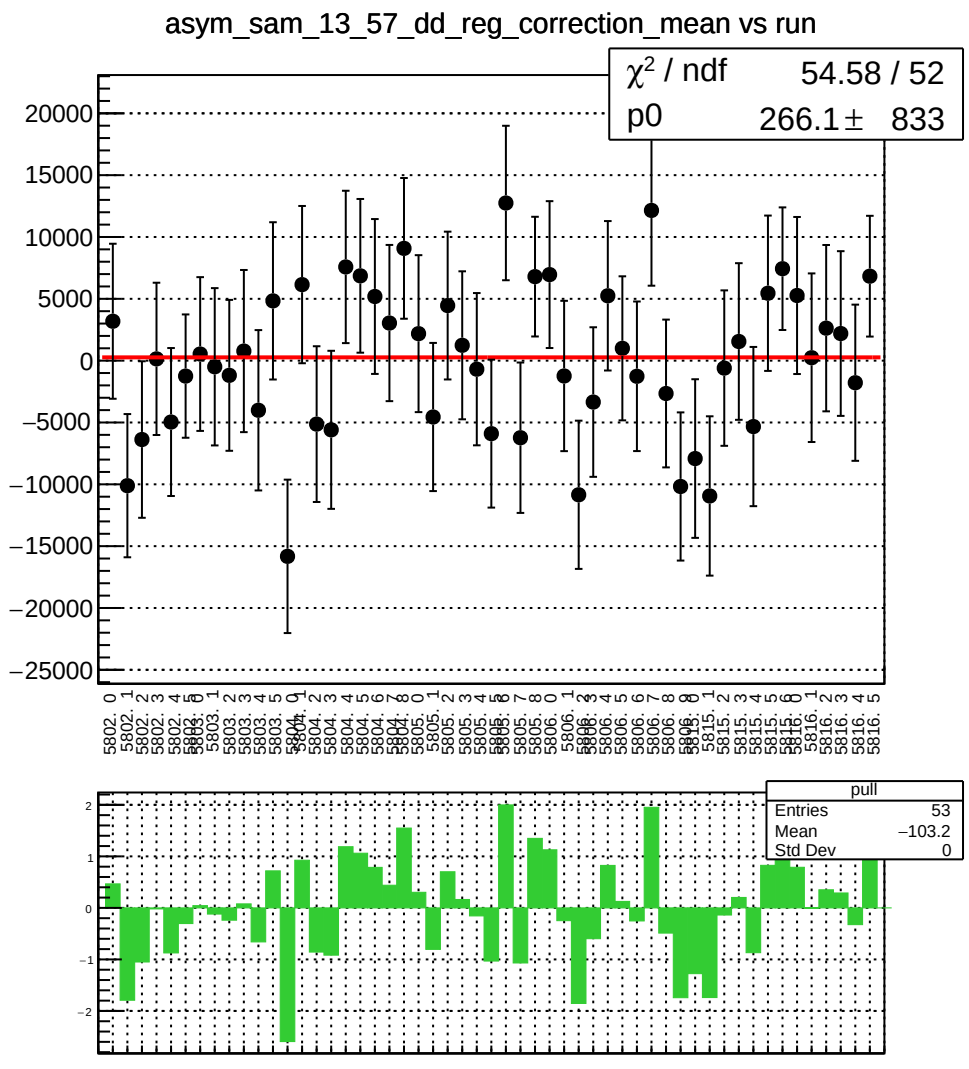

pull1D
Entries 53
Mean −0.007793
Std Dev 0.9775

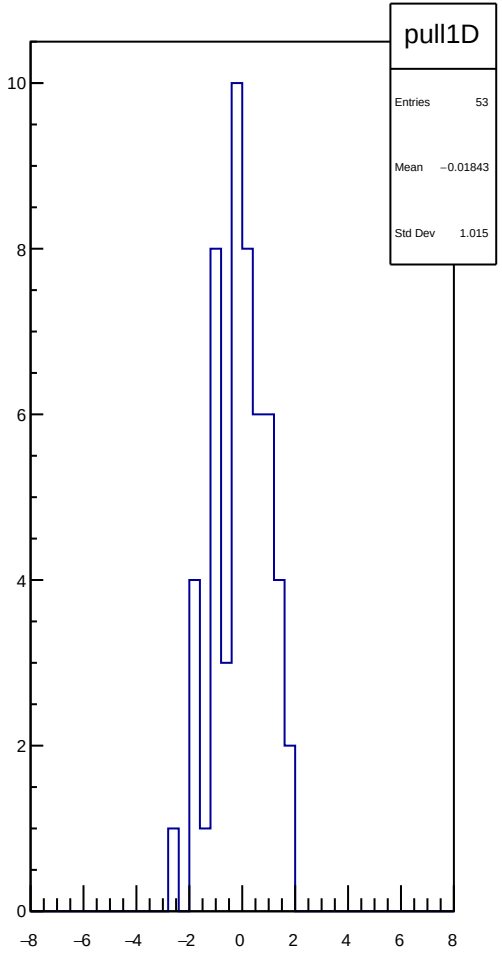

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
80
70
60
50
40
30
20
10
χ² / ndf 3.046e+05 / 52
p0 2.186e−11 ± 2.619e−14

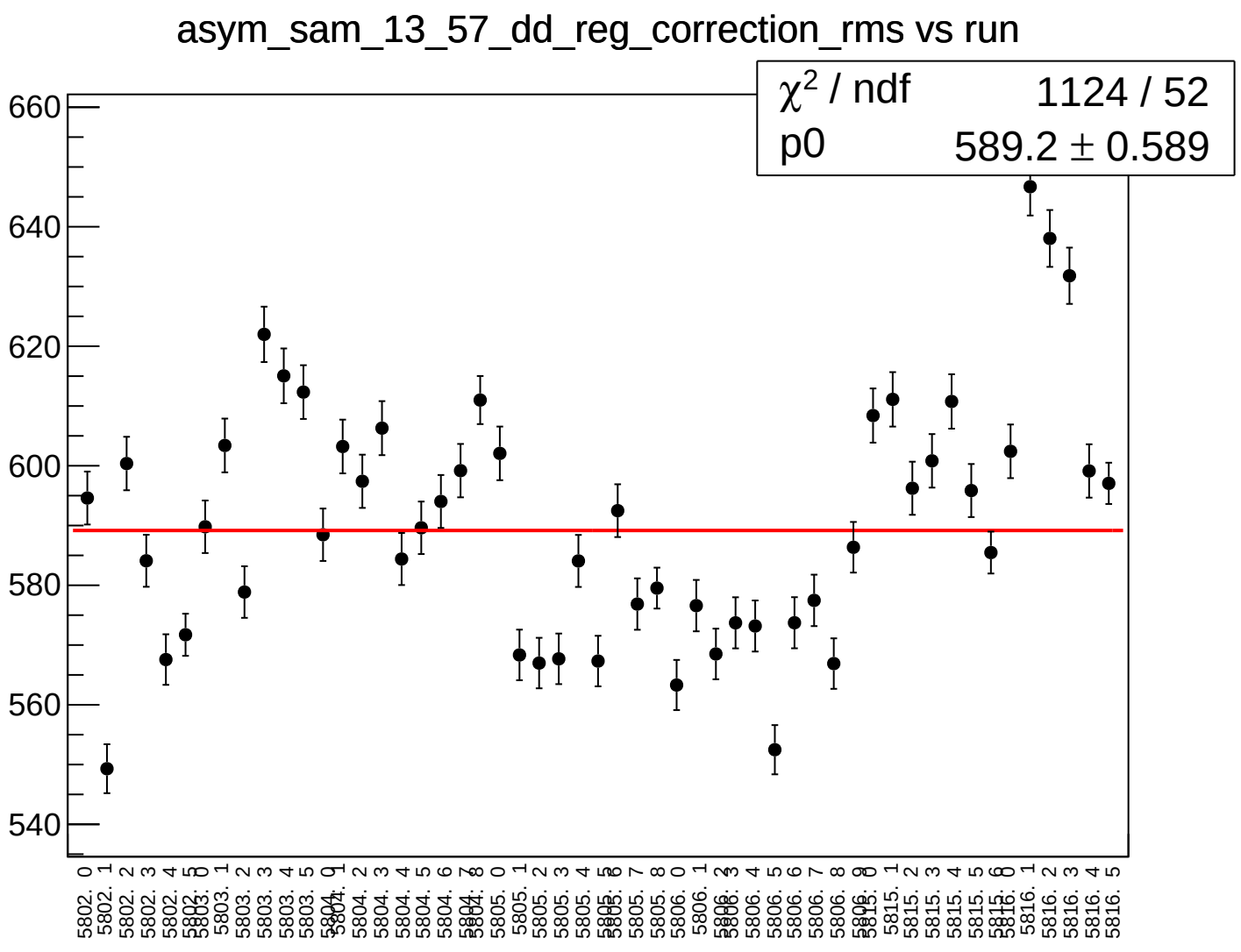

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.78 / 52
p0 21.68 ± 83.63
pull
Entries 53
Mean 14.63
Std Dev 83.39

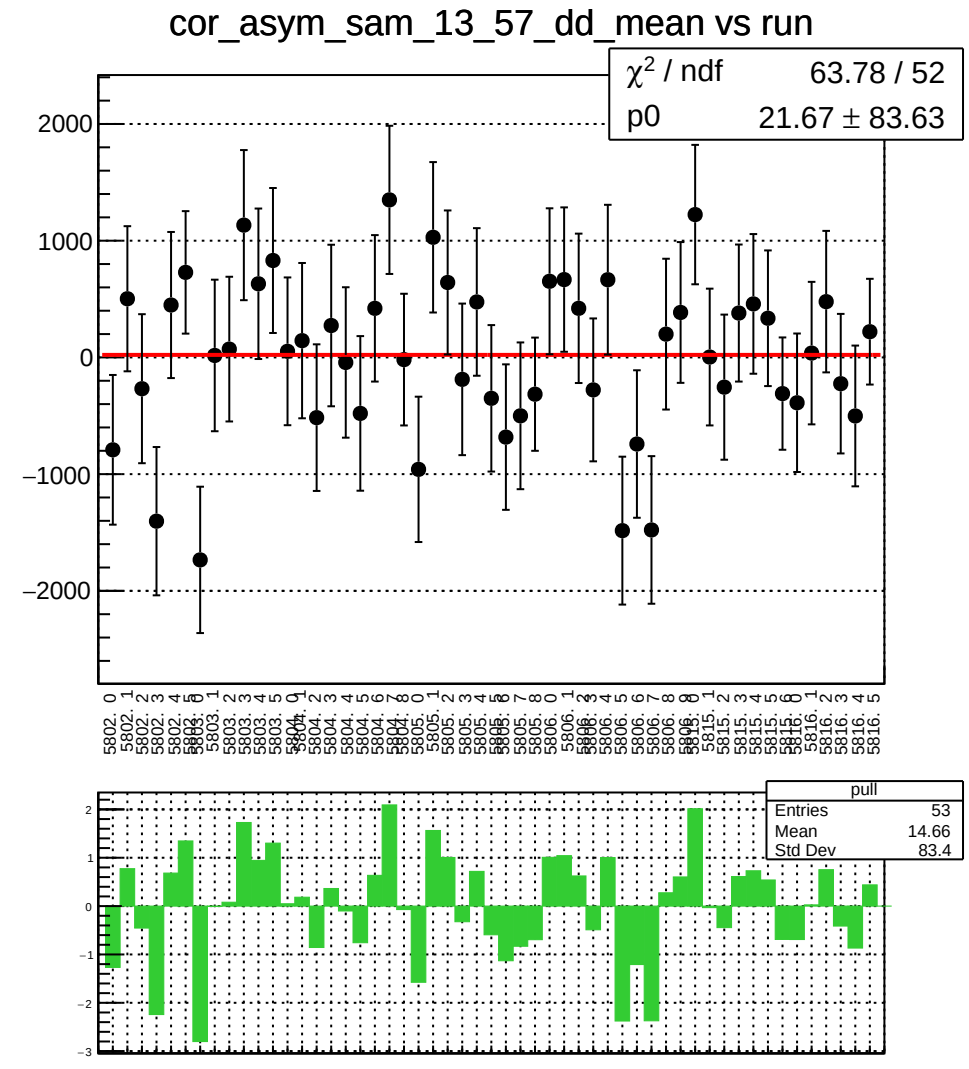

pull1D
Entries 53
Mean −0.00285
Std Dev 1.097

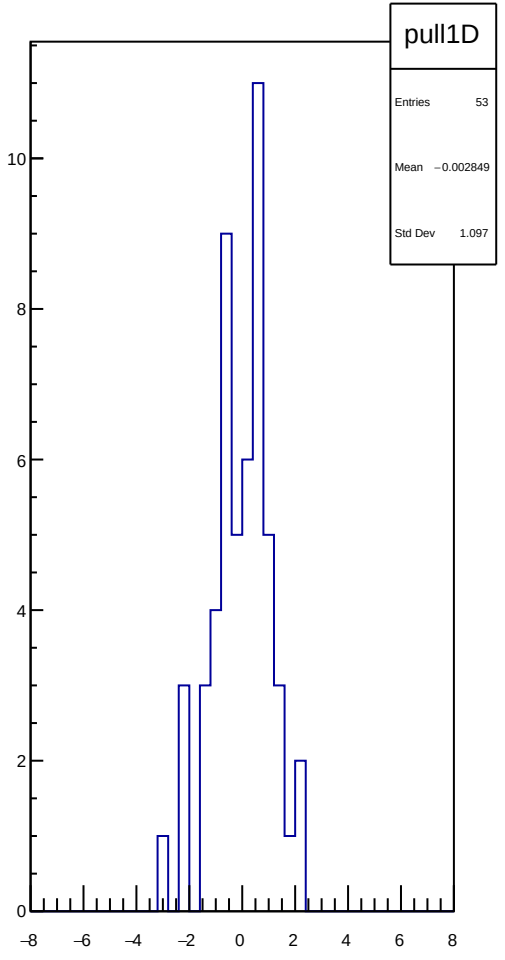

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1203 / 52
p0 59.14 ± 0.05913
66
64
62
60
58
56
54
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

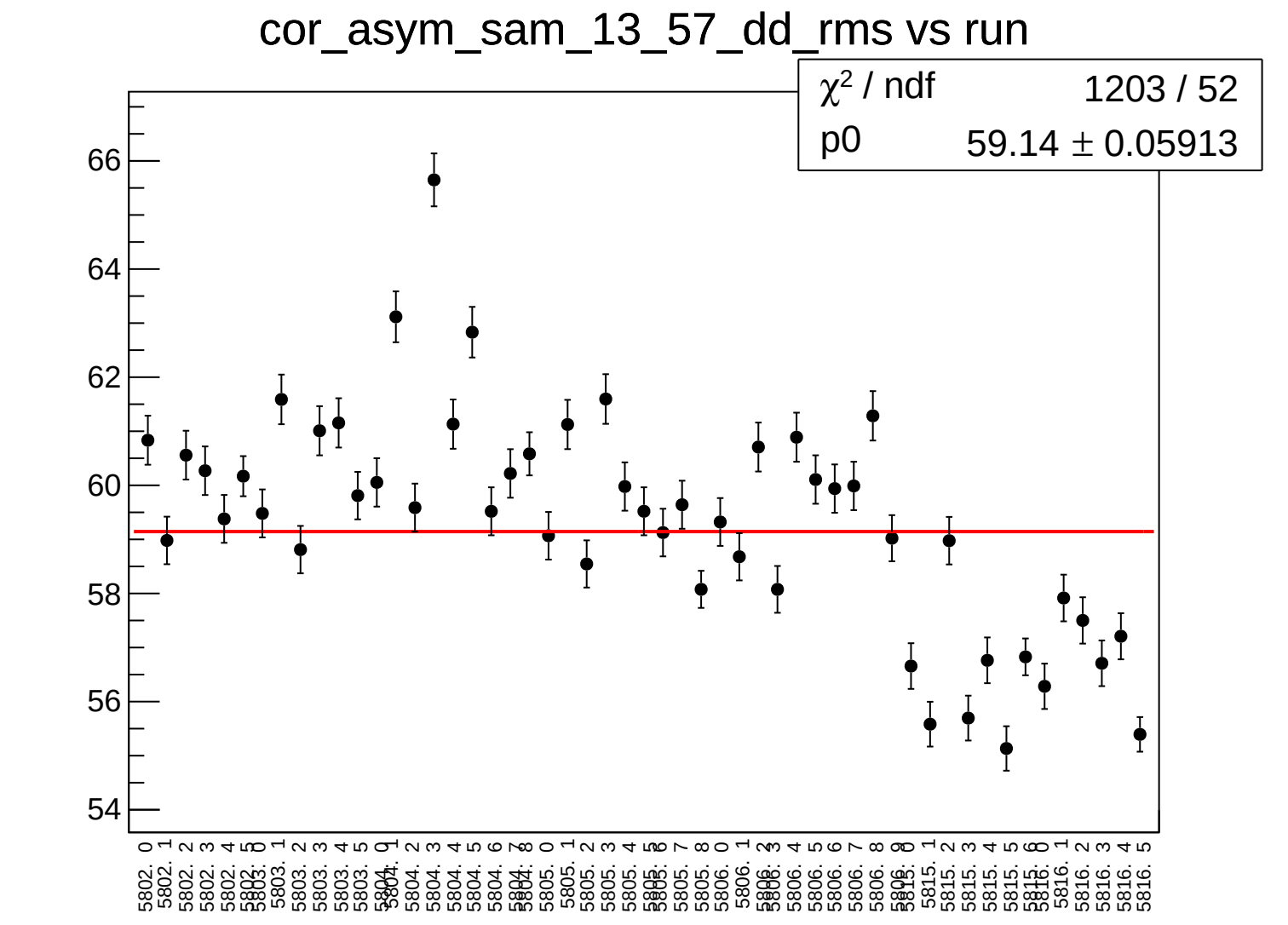

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 54.58 / 52
p0 266.1 ± 833
pull
Entries 53
Mean −103.2
Std Dev 0


pull1D
Entries 53
Mean −0.01843
Std Dev 1.015


asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 1124 / 52
p0 589.2 ± 0.589
660
640
620
600
580
560
540


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.78 / 52
p0 21.67 ± 83.63
pull
Entries 53
Mean 14.66
Std Dev 83.4


pull1D
Entries 53
Mean −0.002849
Std Dev 1.097


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1203 / 52
p0 59.14 ± 0.05913
66
64
62
60
58
56
54
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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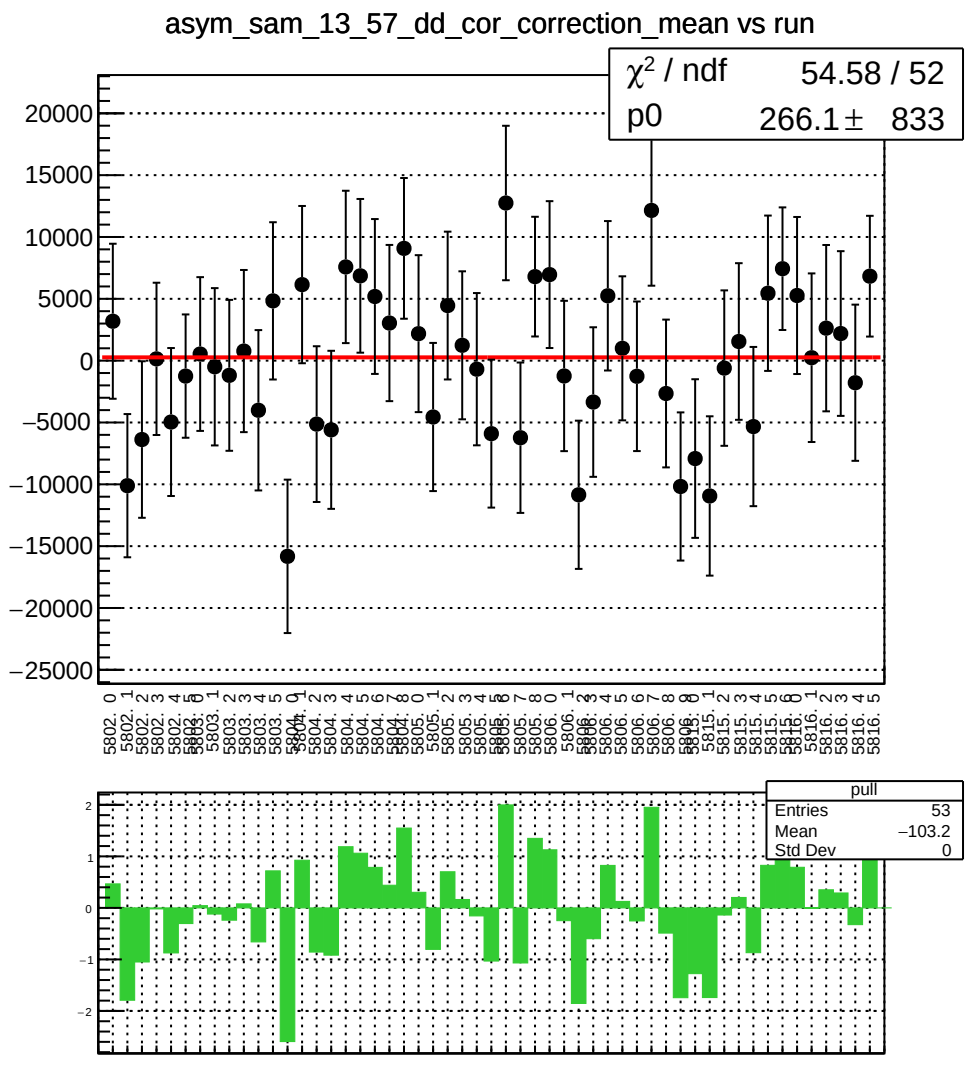
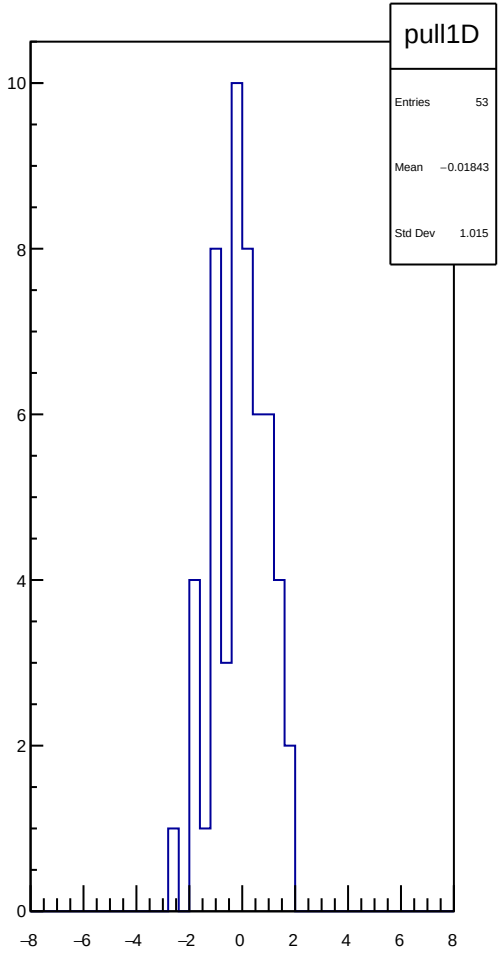
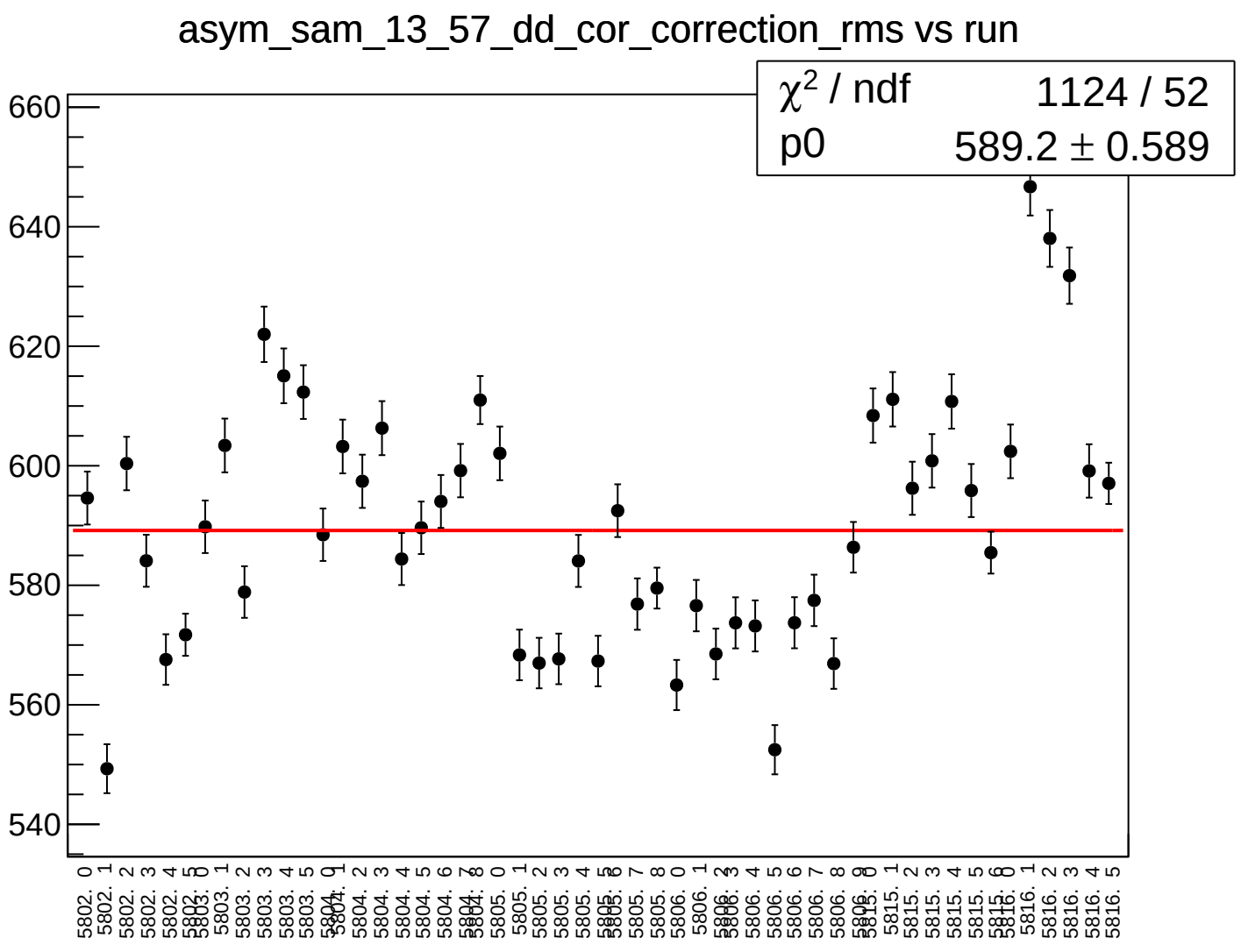
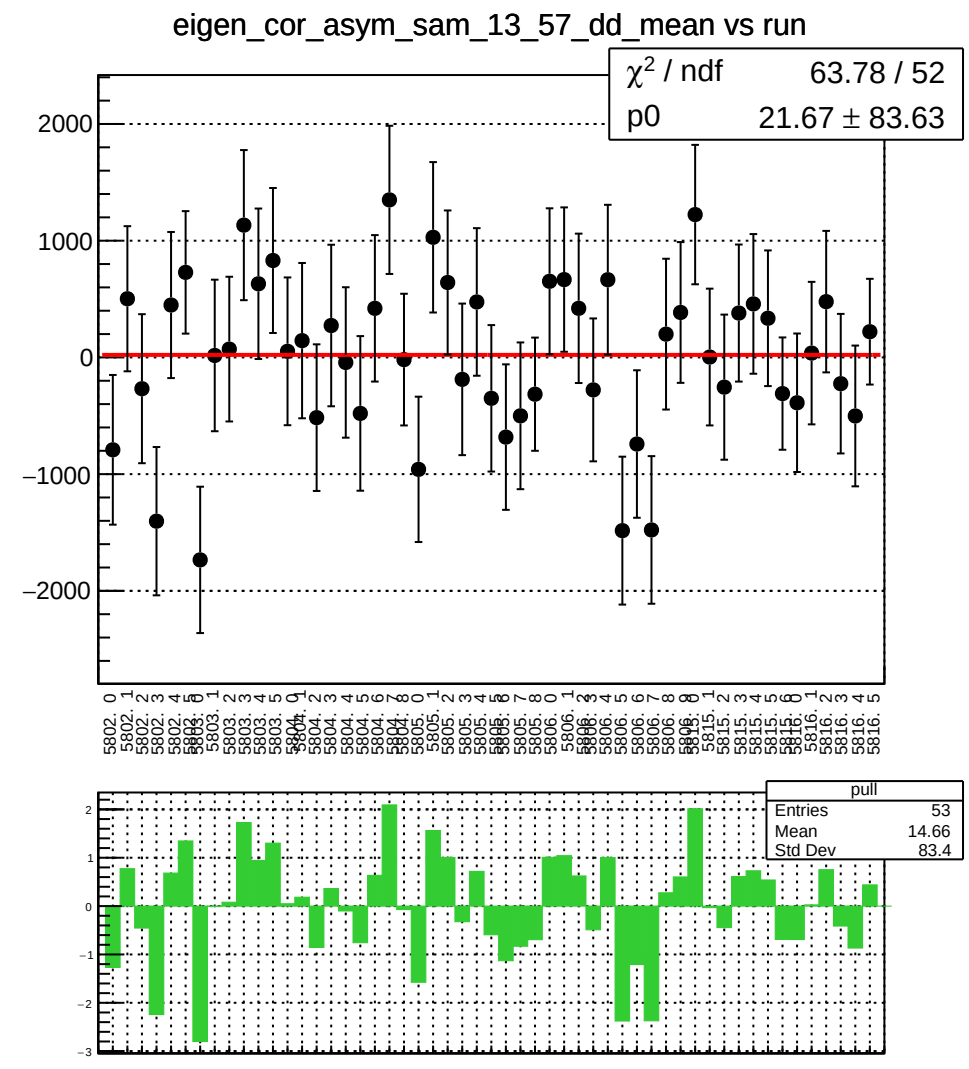
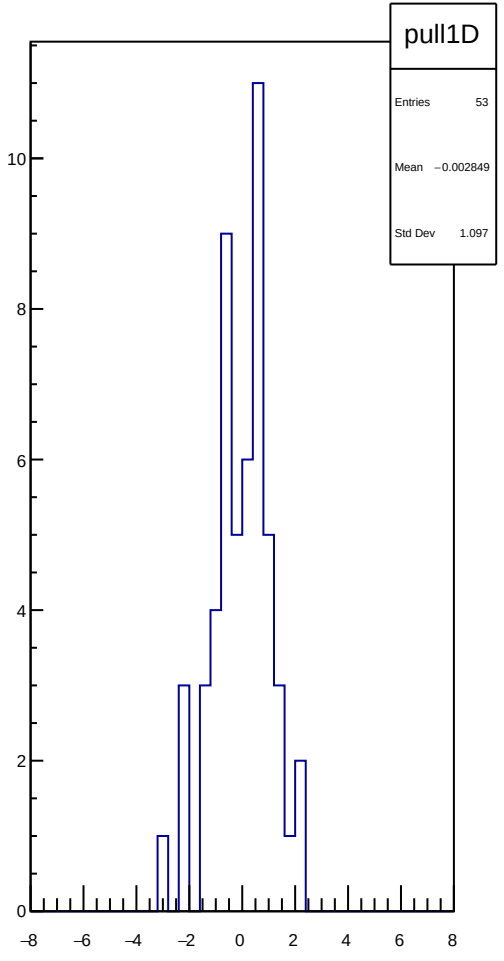
5816. 4
5816. 5

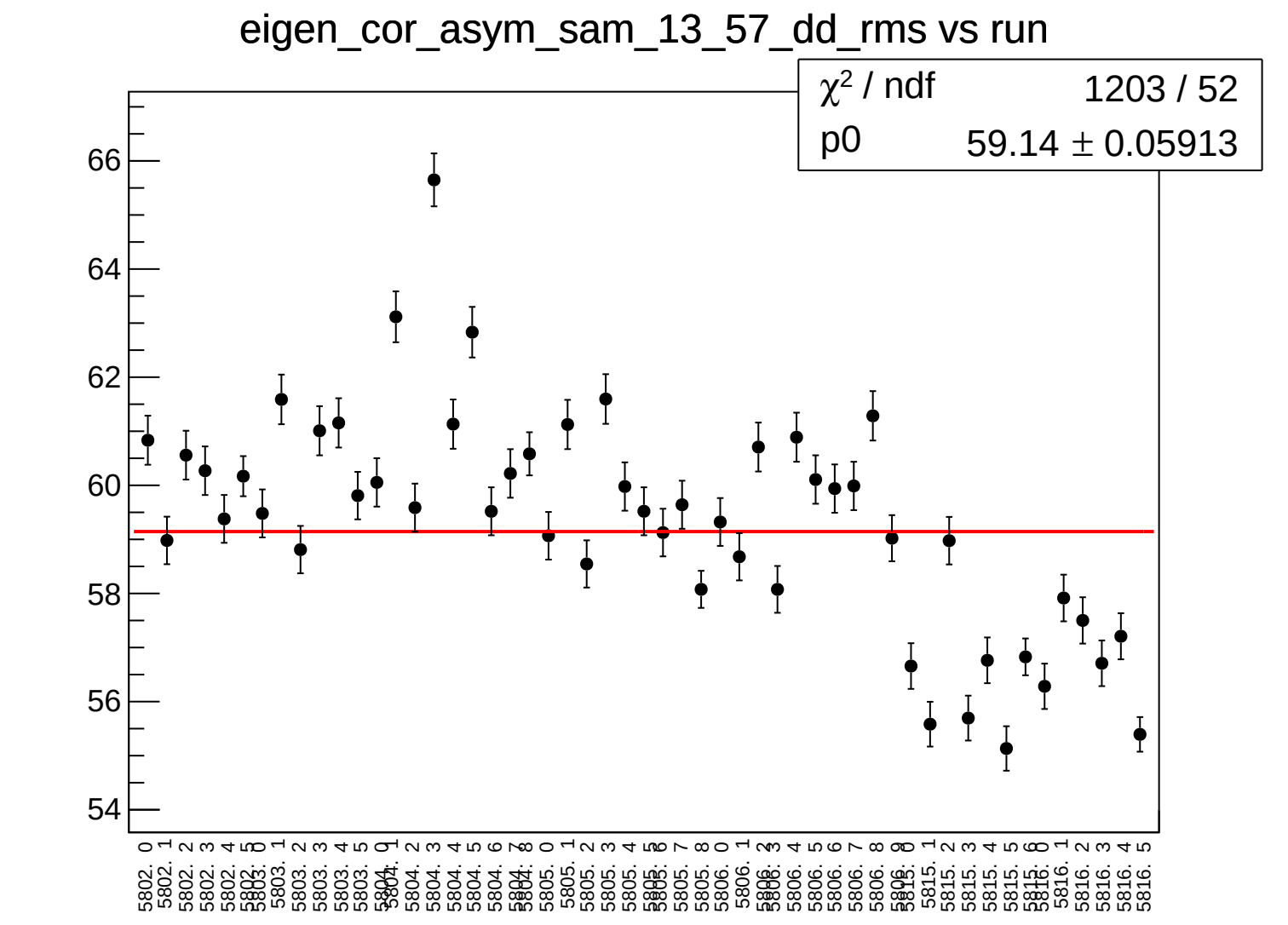

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 54.58 / 52
p0 266.1 ± 833
pull
Entries 53
Mean −103.2
Std Dev 0


pull1D
Entries 53
Mean −0.01843
Std Dev 1.015


asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 1124 / 52
p0 589.2 ± 0.589
660
640
620
600
580
560
540


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.78 / 52
p0 21.67 ± 83.63
2000
1000
0
−1000
−2000
pull
Entries 53
Mean 14.66
Std Dev 83.4
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.002849
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1203 / 52
p0 59.14 ± 0.05913
66
64
62
60
58
56
54
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
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5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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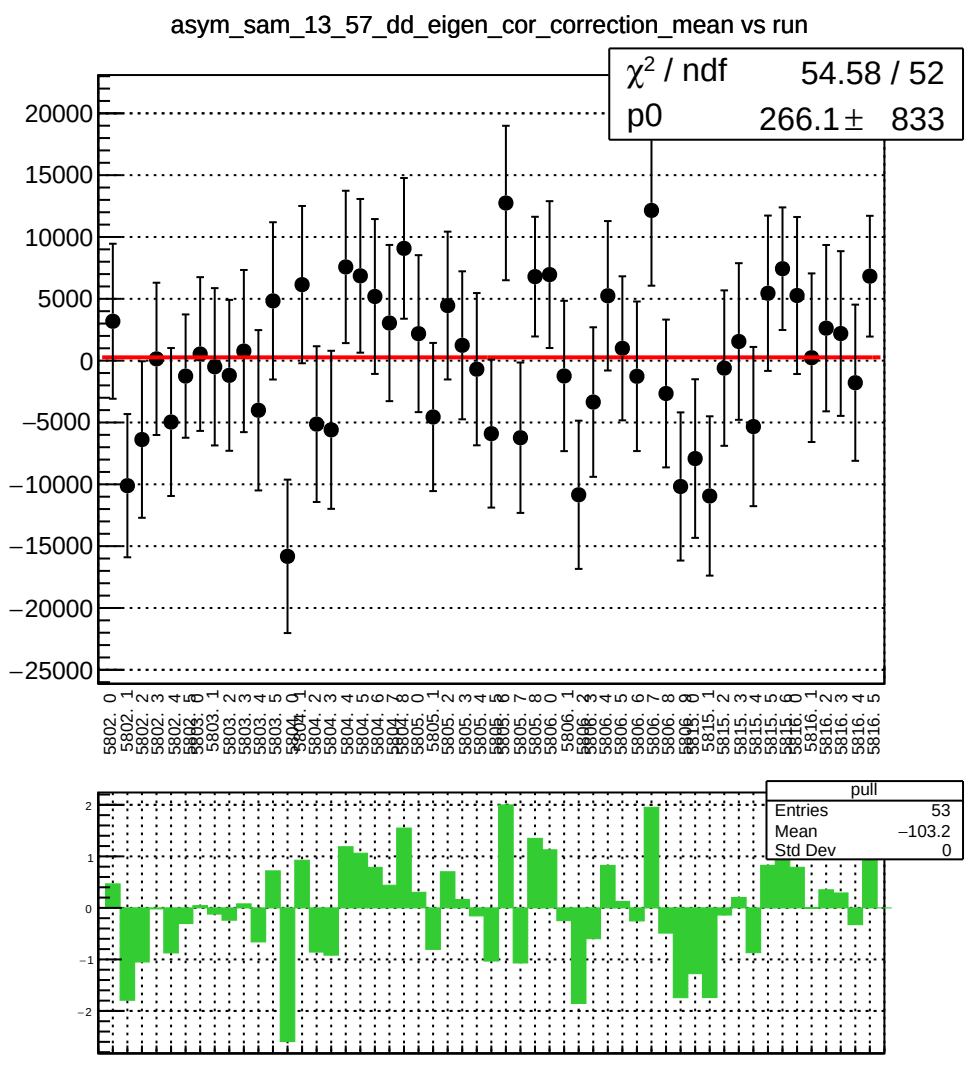
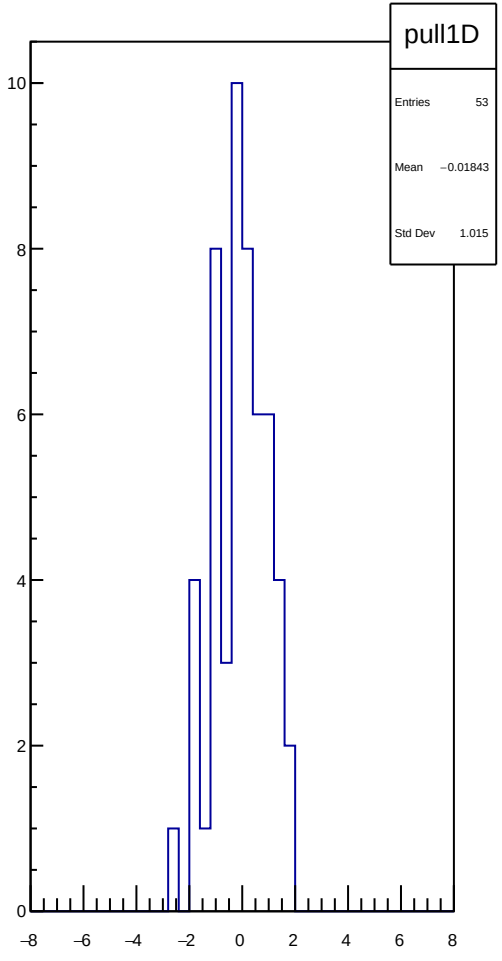
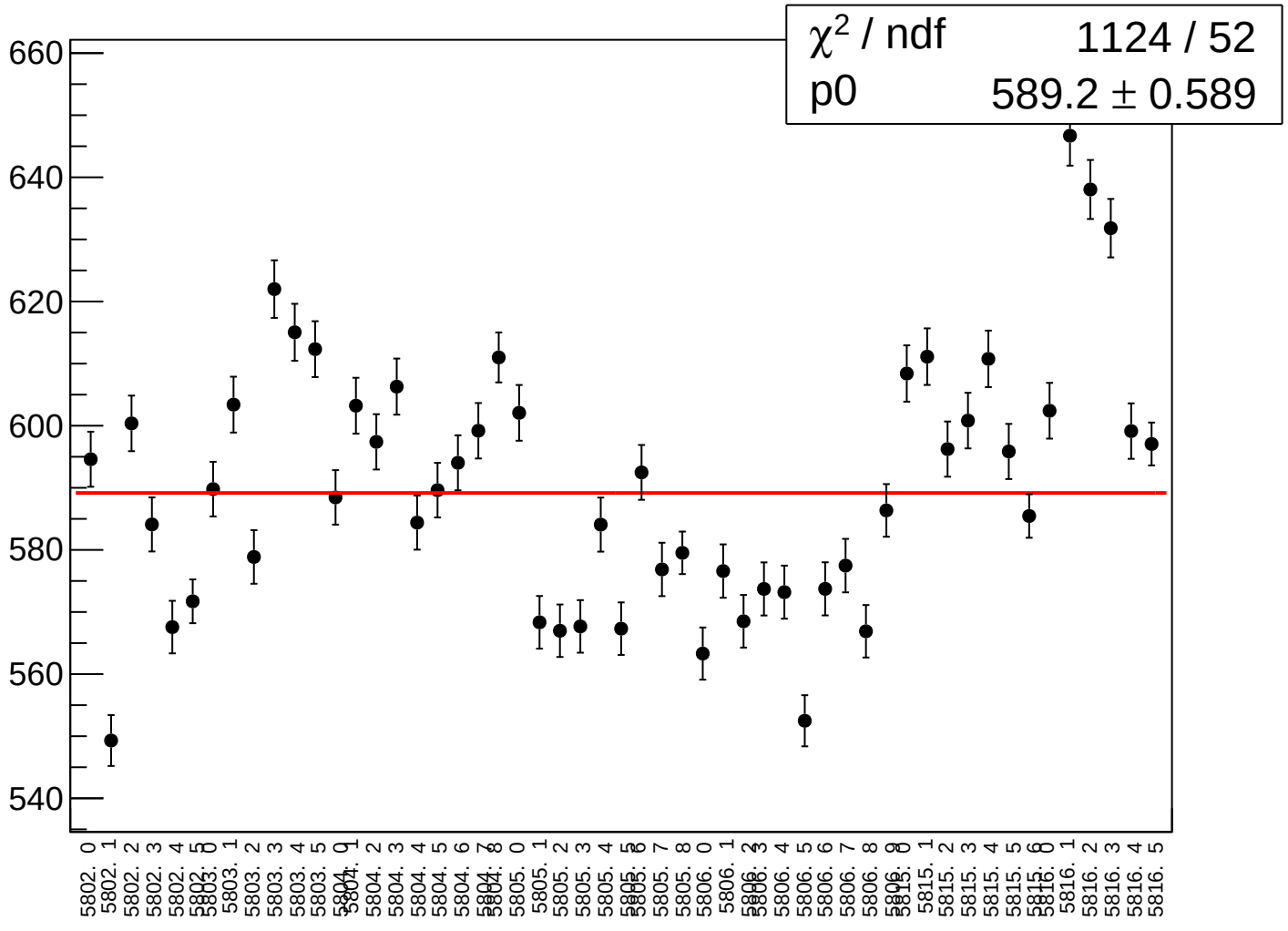
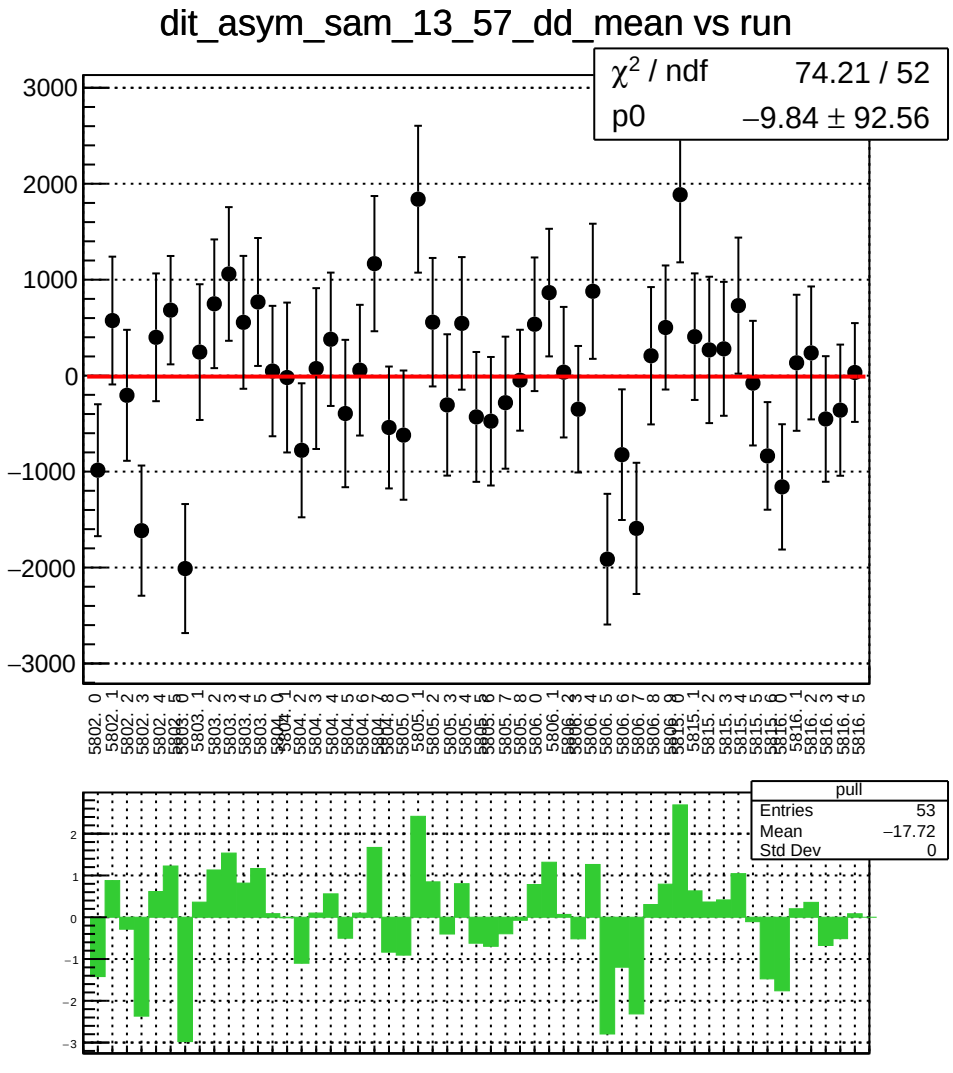
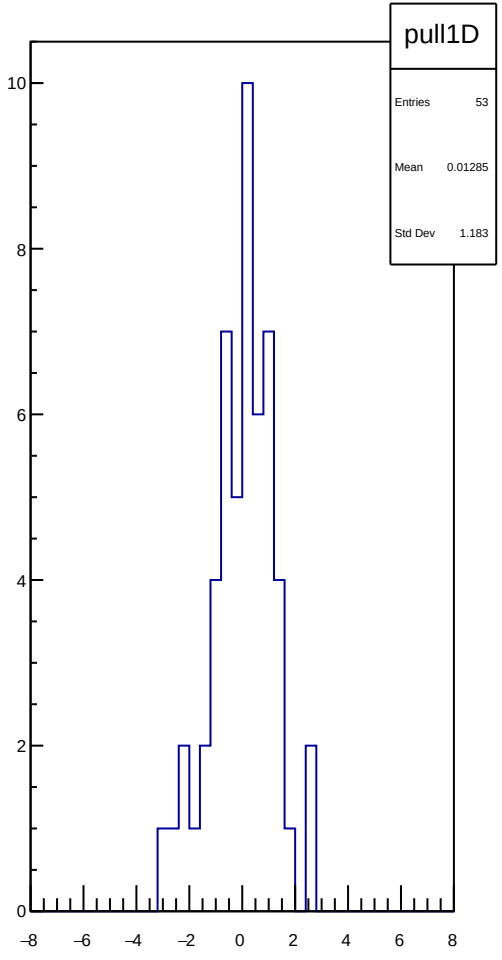
5816. 4
5816. 5

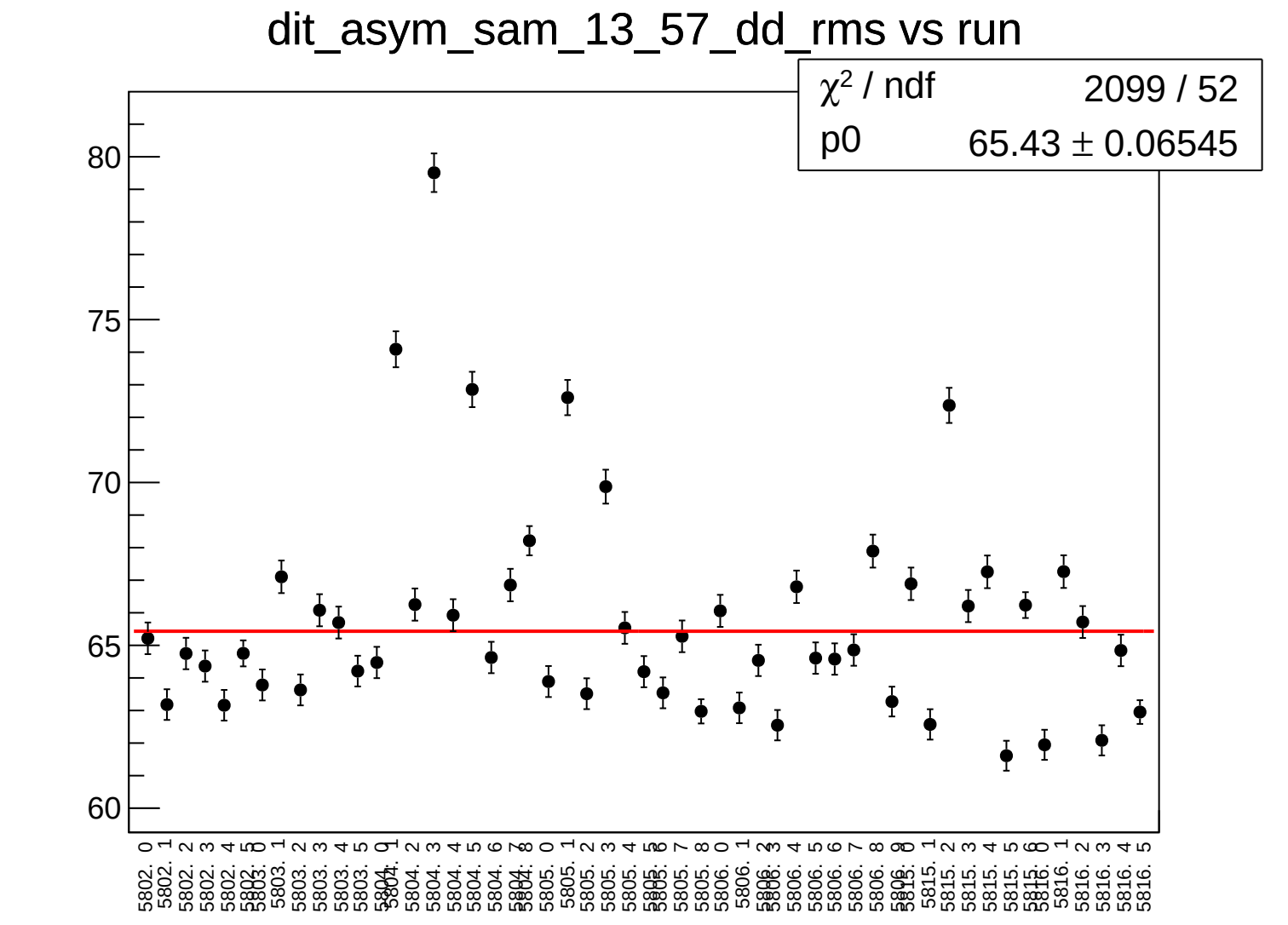

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.58 / 52
p0 266.1 ± 833
pull
Entries 53
Mean −103.2
Std Dev 0

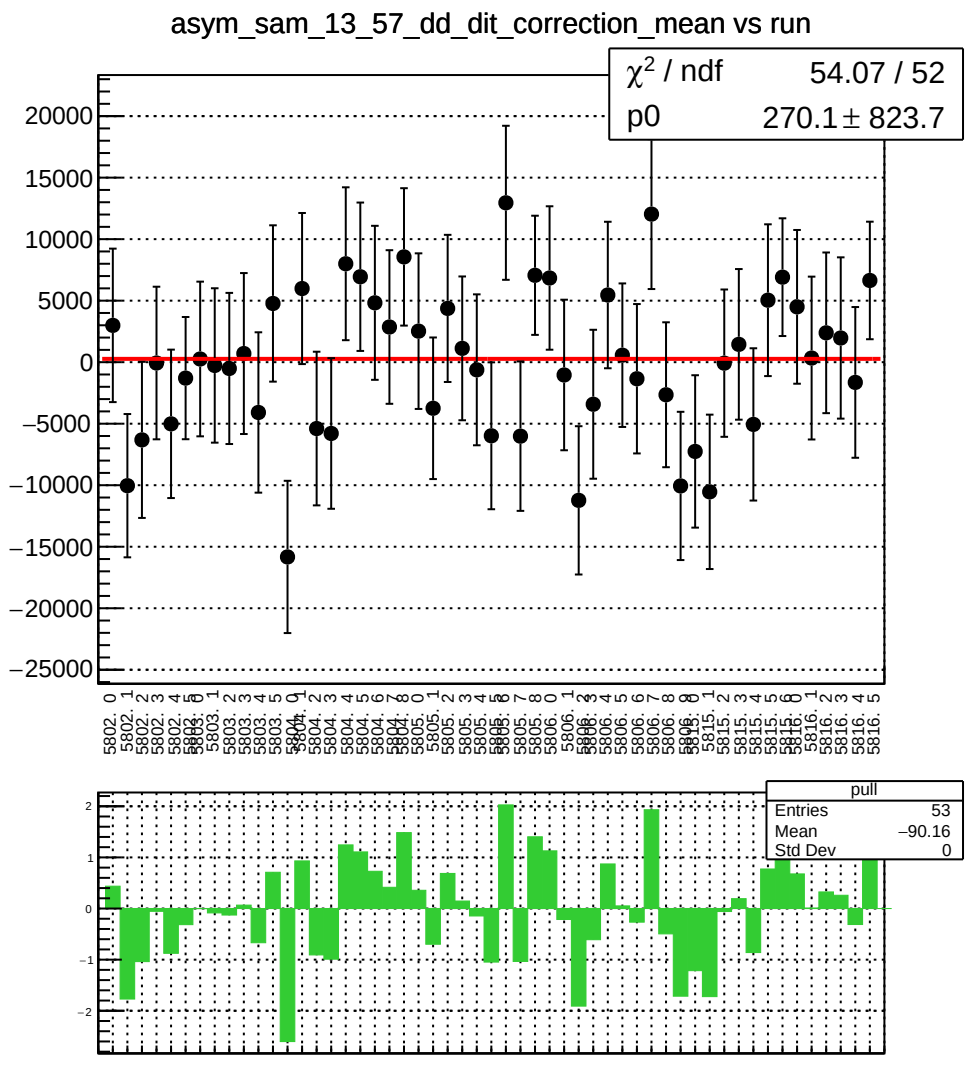

pull1D
Entries 53
Mean −0.01843
Std Dev 1.015

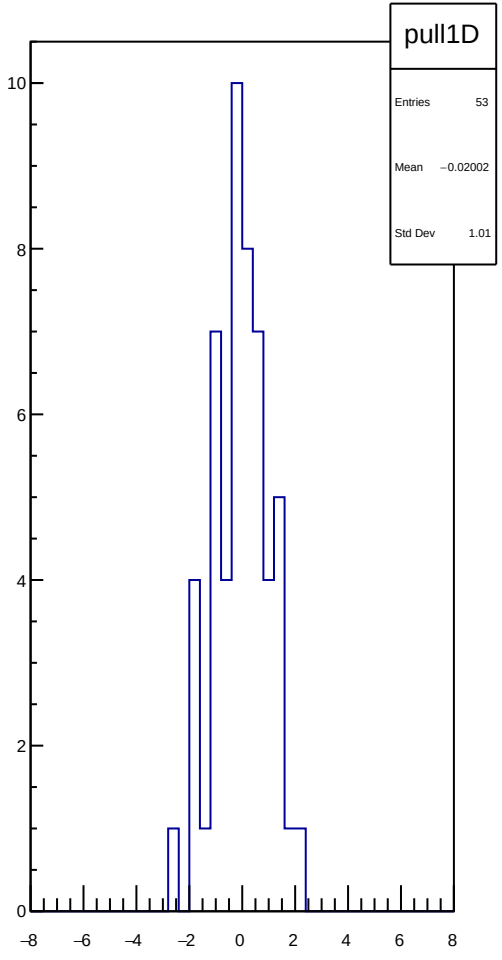

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 1124 / 52
p0 589.2 ± 0.589
660
640
620
600
580
560
540

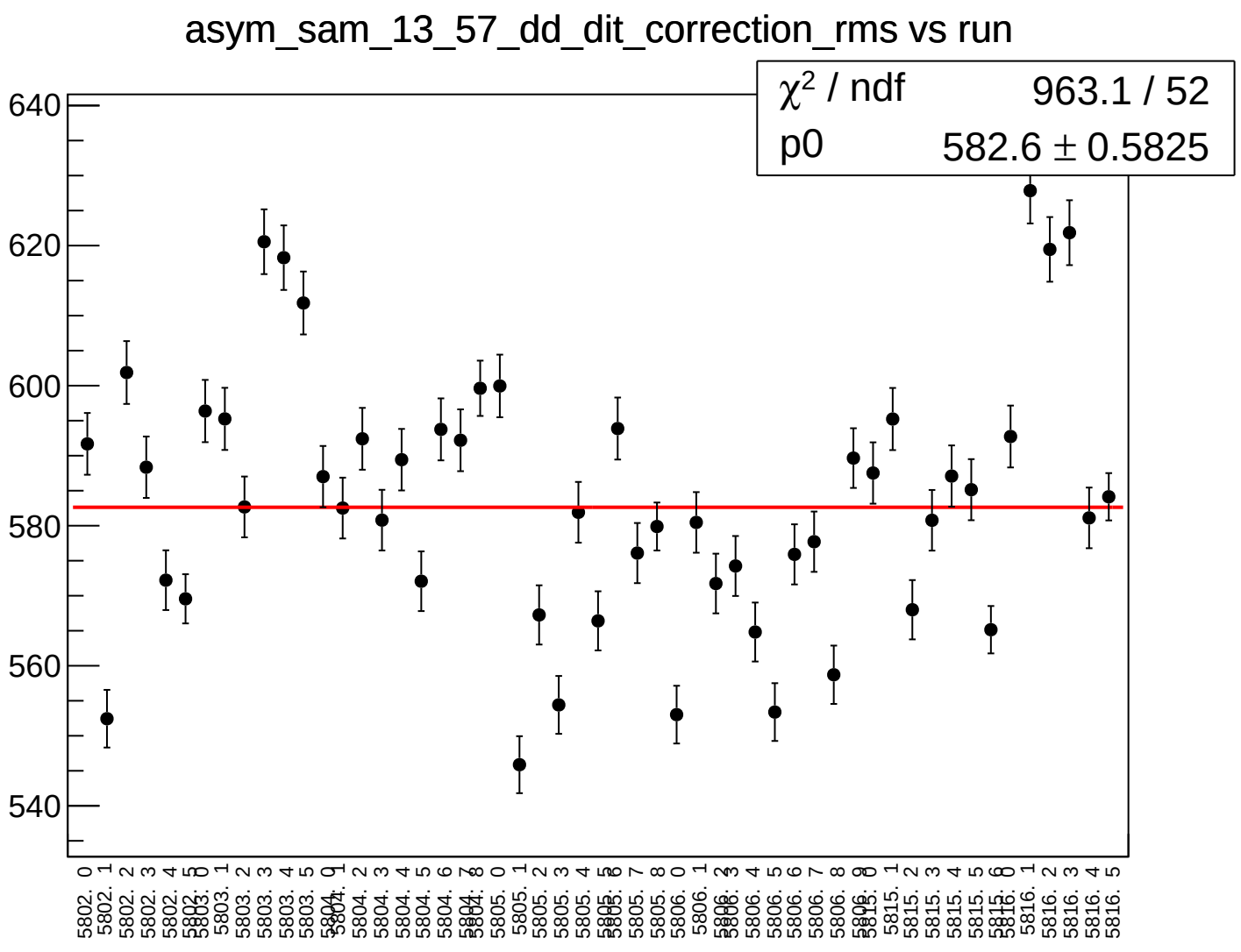

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.21 / 52
p0 −9.84 ± 92.56
pull
Entries 53
Mean −17.72
Std Dev 0

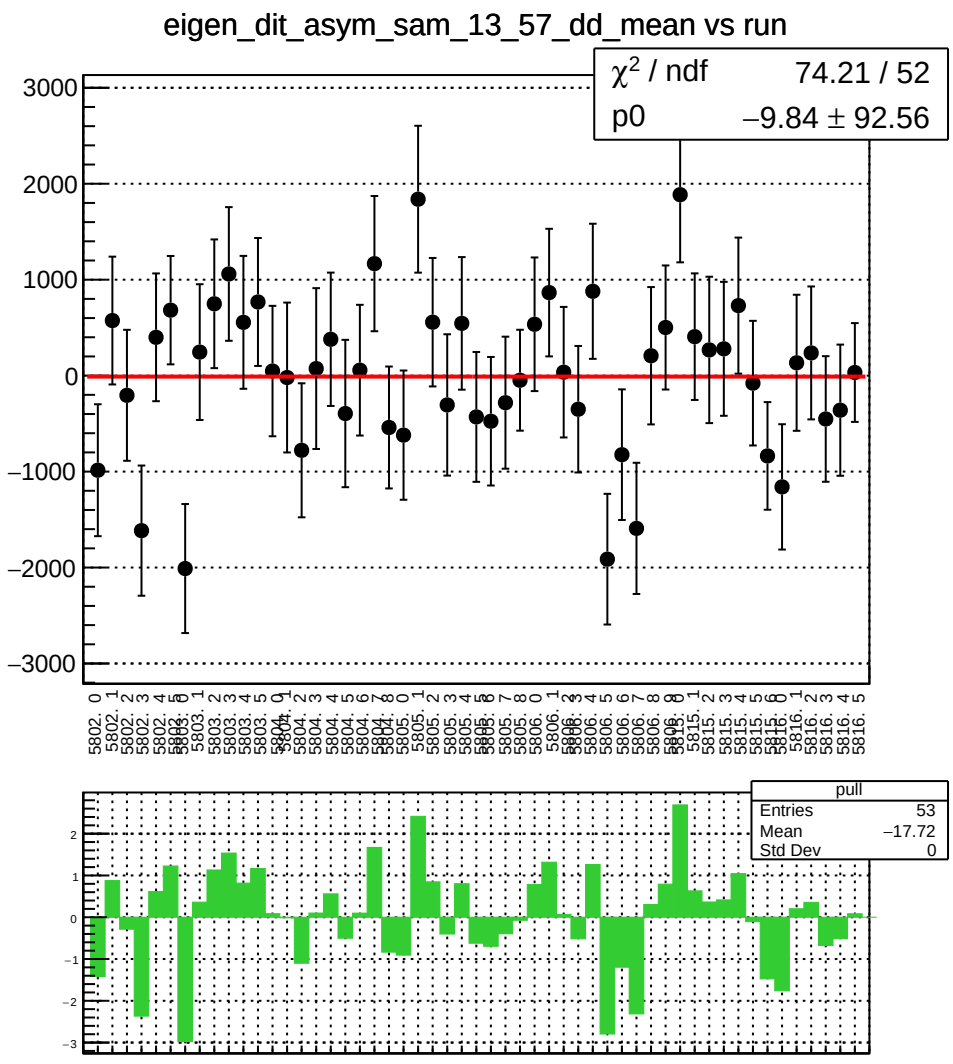

pull1D
Entries 53
Mean 0.01285
Std Dev 1.183

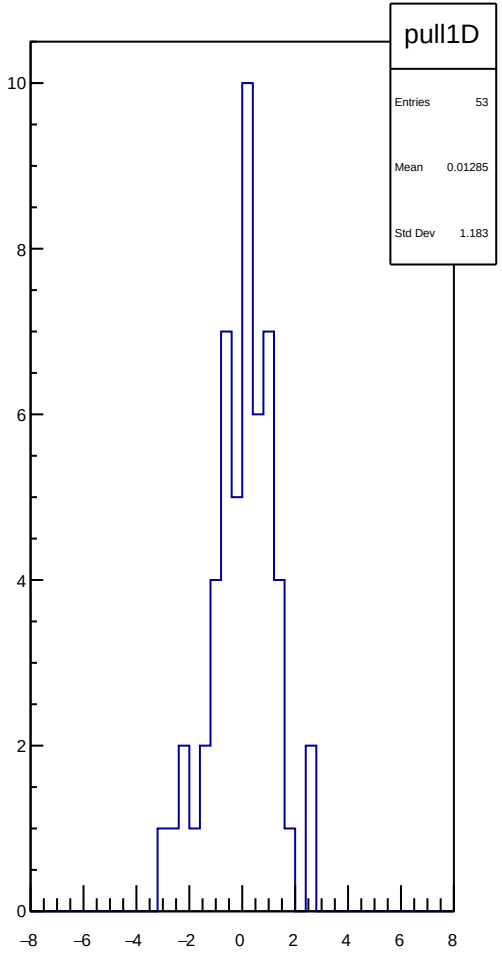

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2099 / 52
p0 65.43 ± 0.06545
80
75
70
65
60

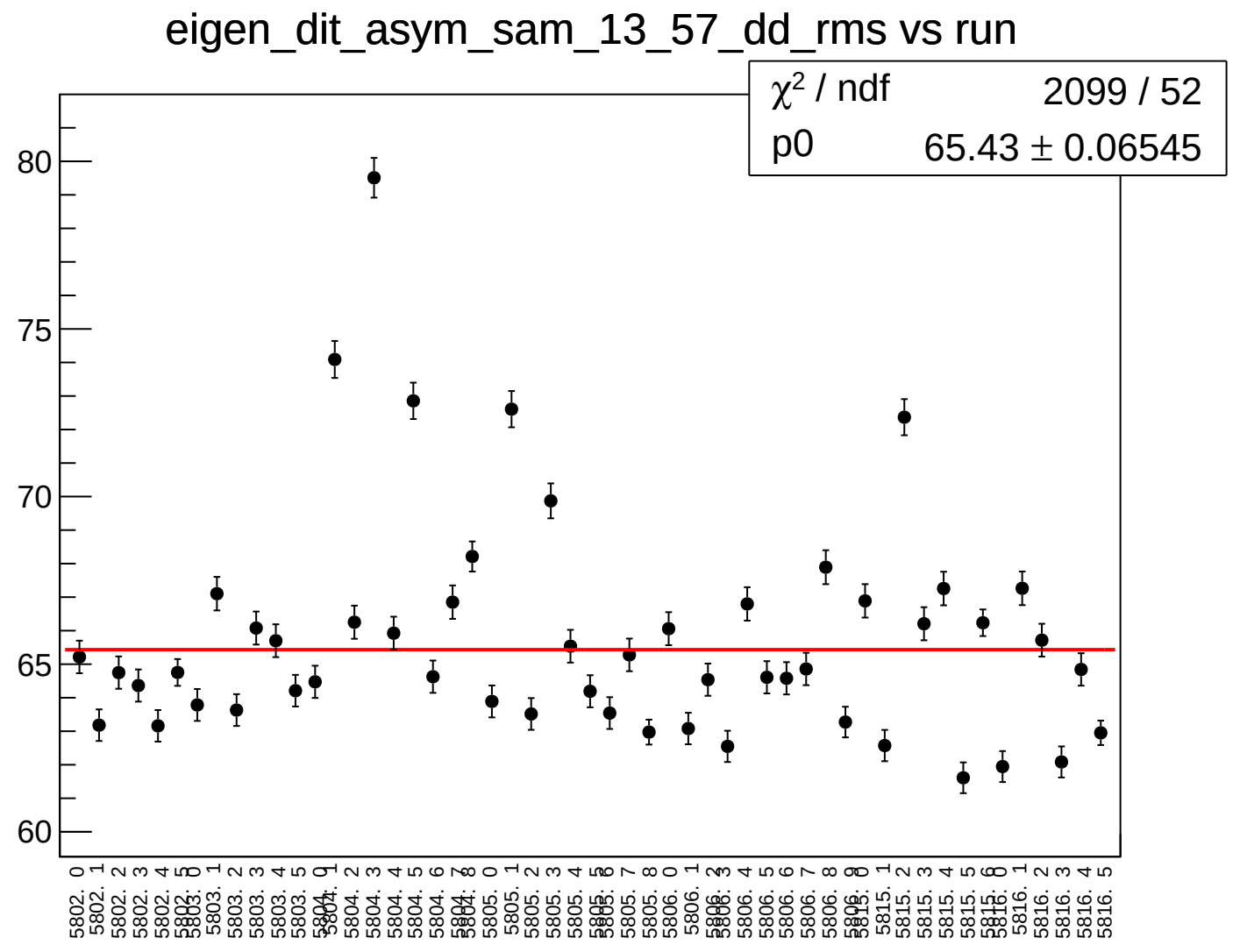

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 54.07 / 52
p0 270.1 ± 823.7
pull
Entries 53
Mean −90.16
Std Dev 0

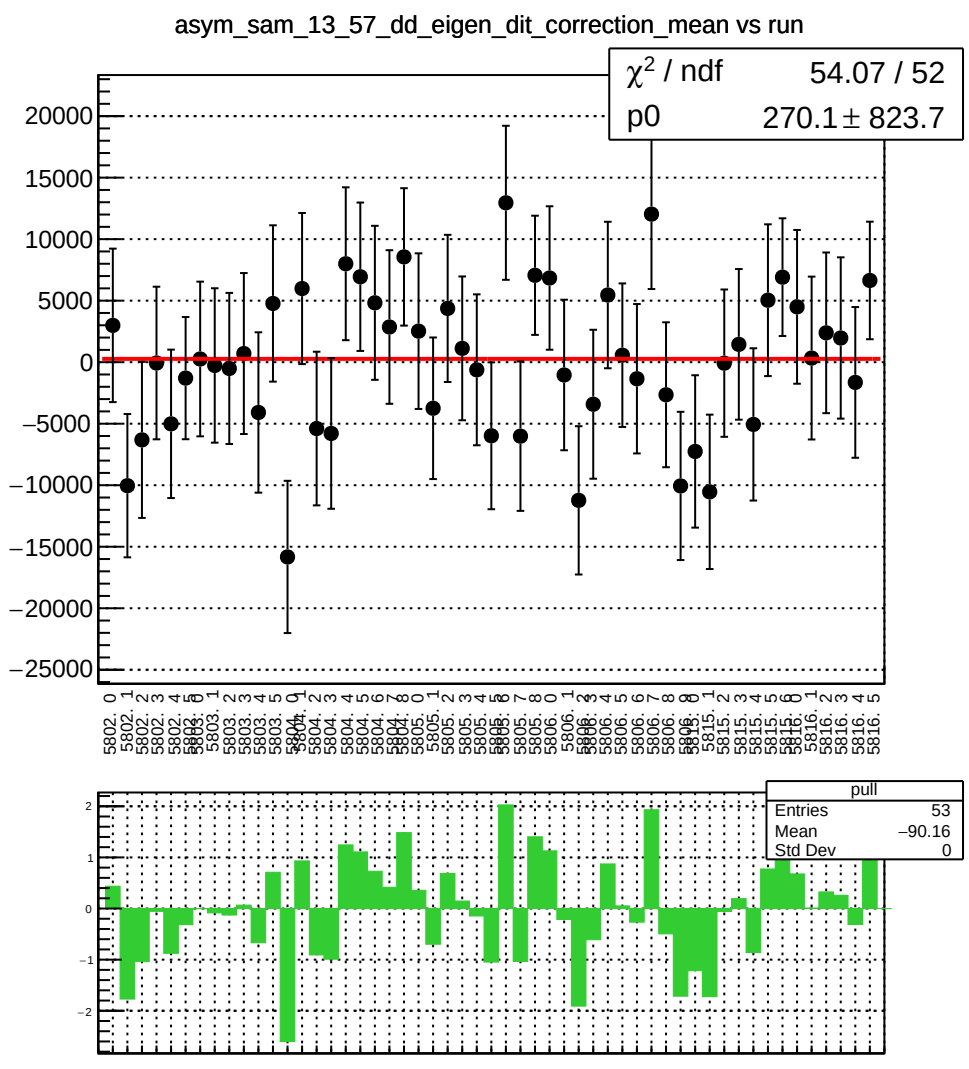

pull1D
Entries 53
Mean −0.02002
Std Dev 1.01

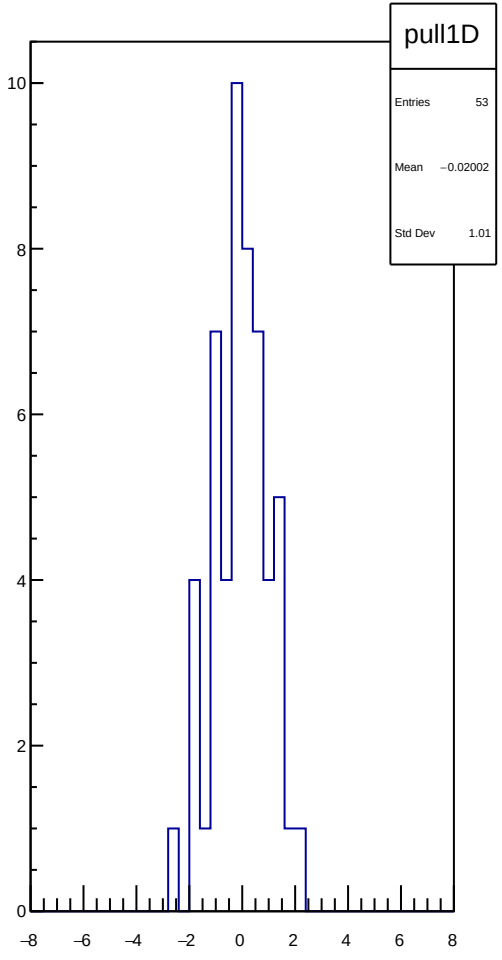

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 963.1 / 52
p0 582.6 ± 0.5825
640
620
600
580
560
540

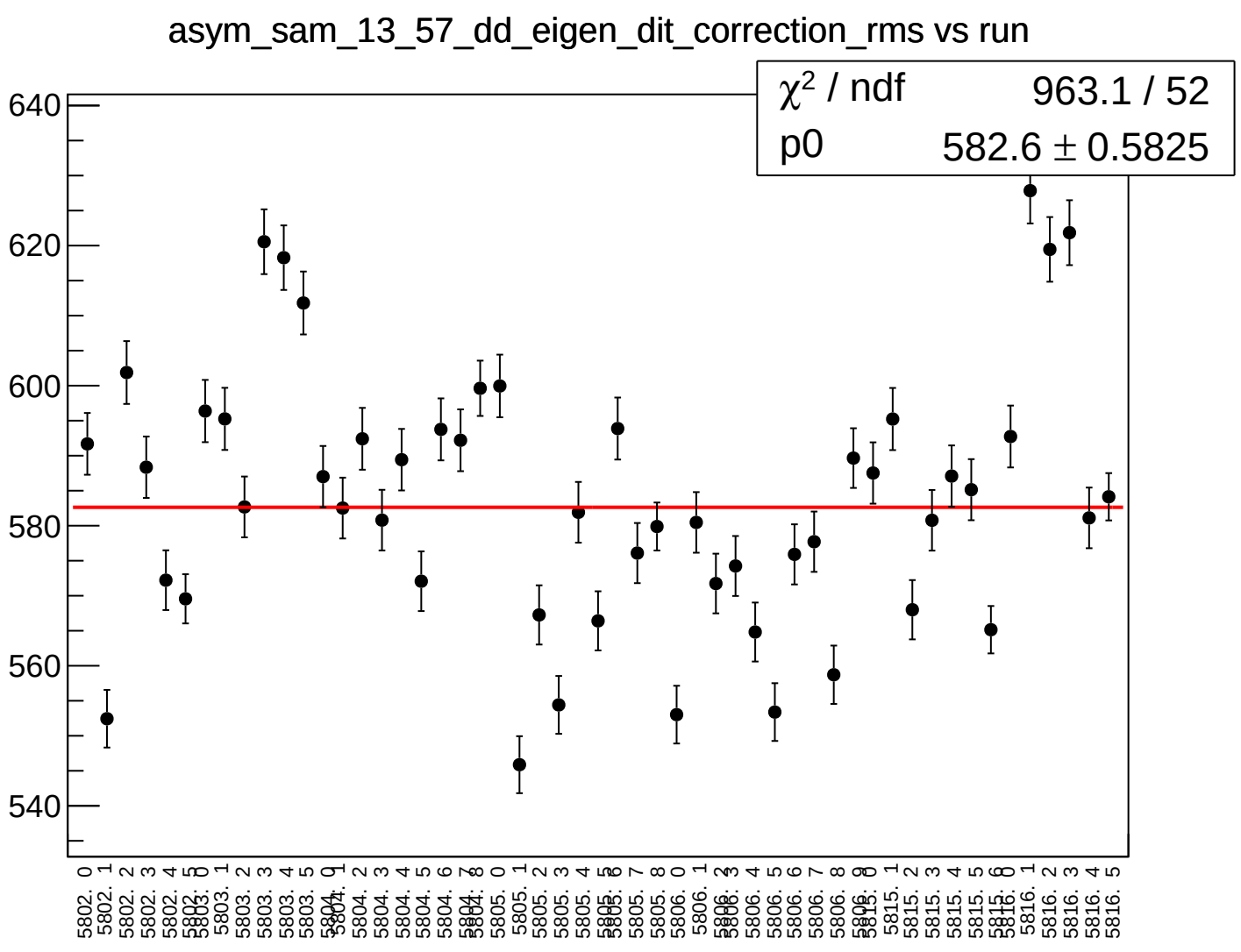

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.21 / 52
p0 −9.84 ± 92.56
pull
Entries 53
Mean −17.72
Std Dev 0

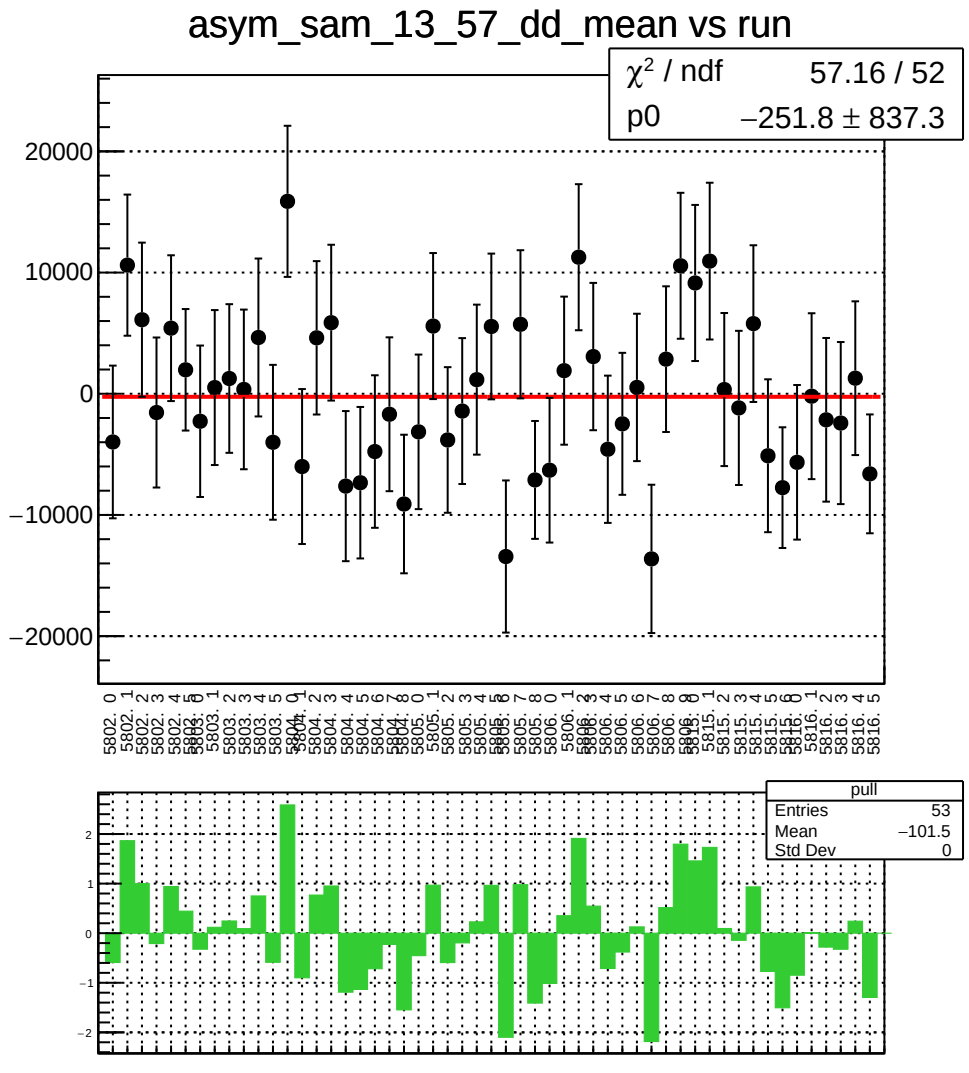

pull1D
Entries 53
Mean 0.01285
Std Dev 1.183

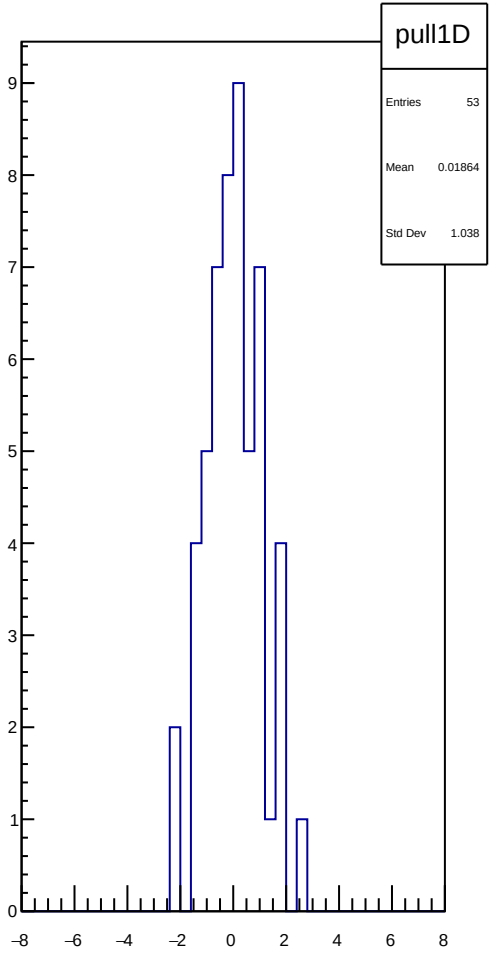

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2099 / 52
p0 65.43 ± 0.06545
80
75
70
65
60

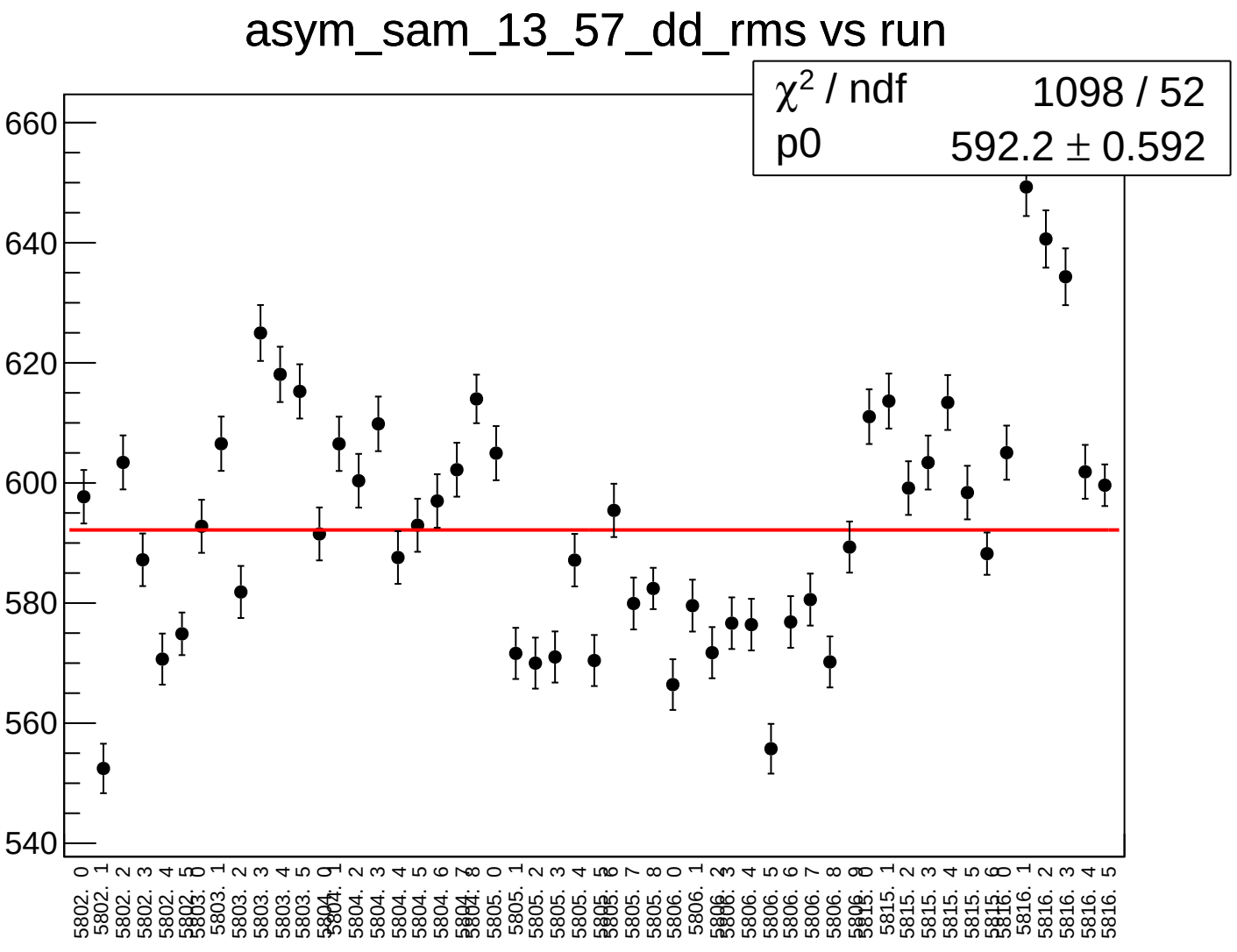

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 54.07 / 52
p0 270.1 ± 823.7
pull
Entries 53
Mean −90.16
Std Dev 0

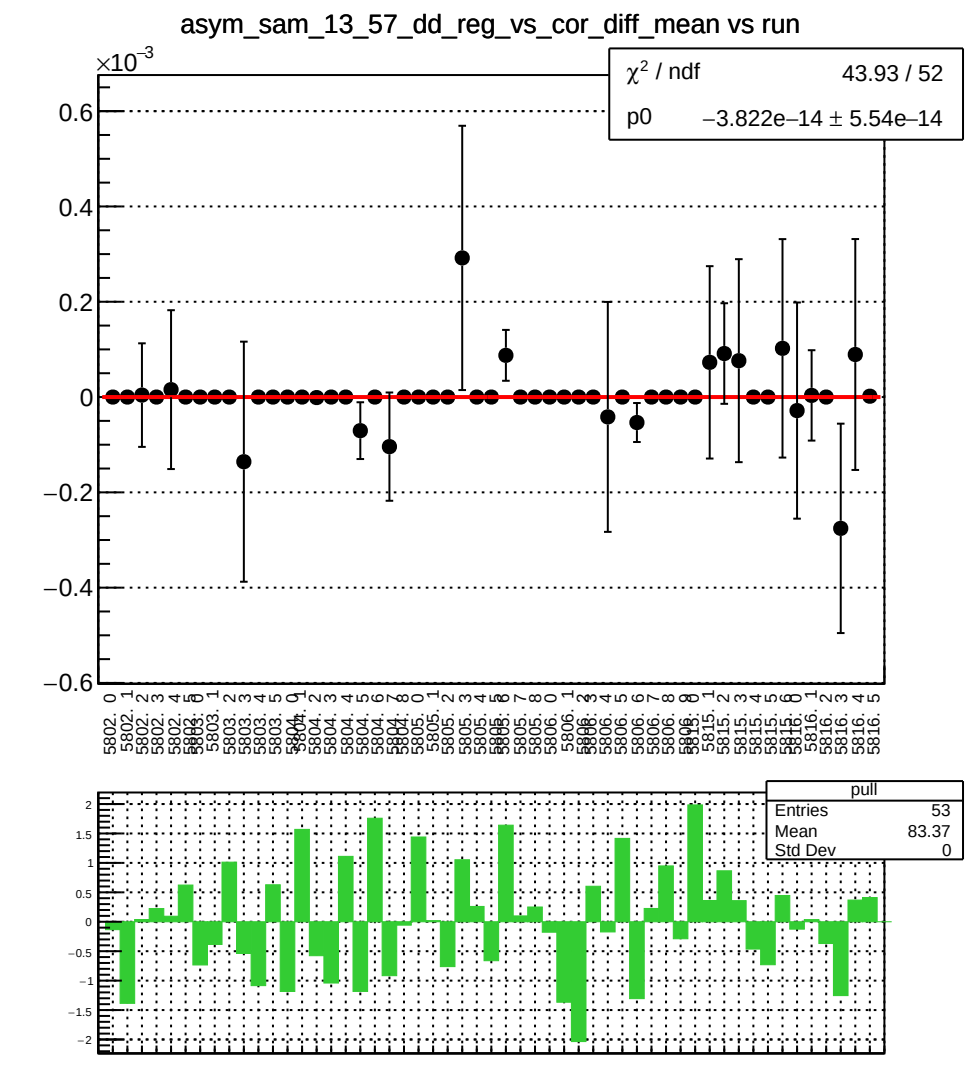

pull1D
Entries 53
Mean −0.02002
Std Dev 1.01

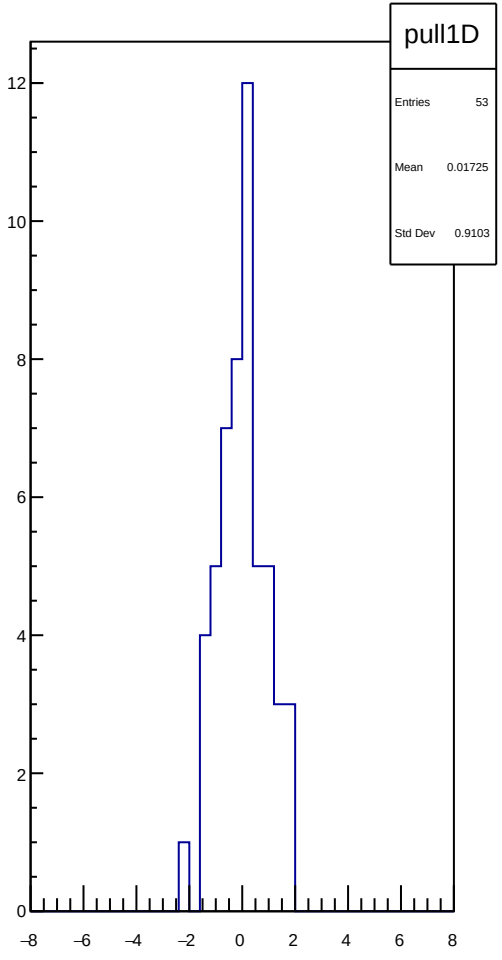

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 963.1 / 52
p0 582.6 ± 0.5825
640
620
600
580
560
540

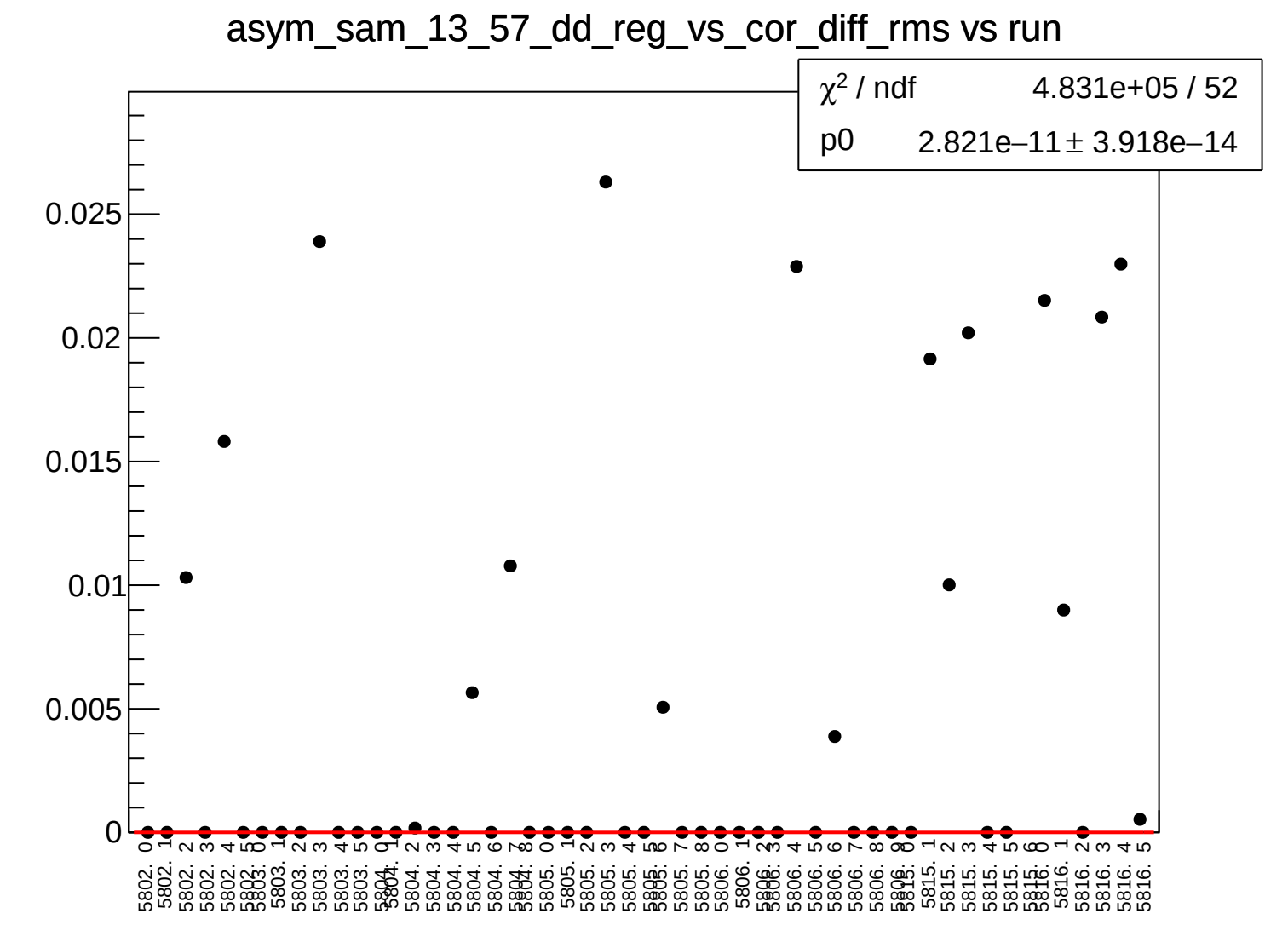

asym_sam_13_57_dd_mean vs run
χ² / ndf 57.16 / 52
p0 −251.8 ± 837.3
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −101.5
Std Dev 0
2
1
0
−1
−2

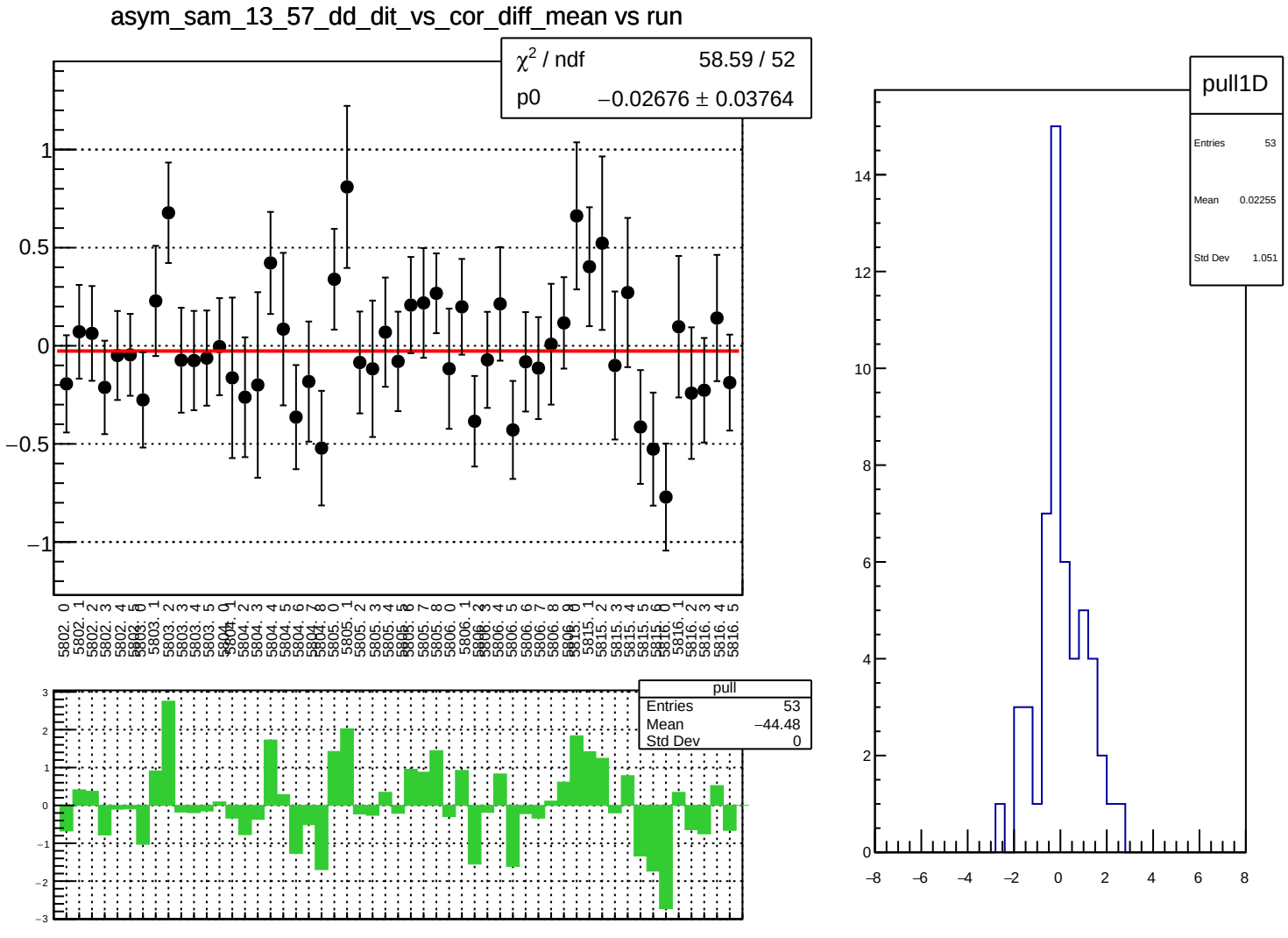

pull1D
Entries 53
Mean 0.01864
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

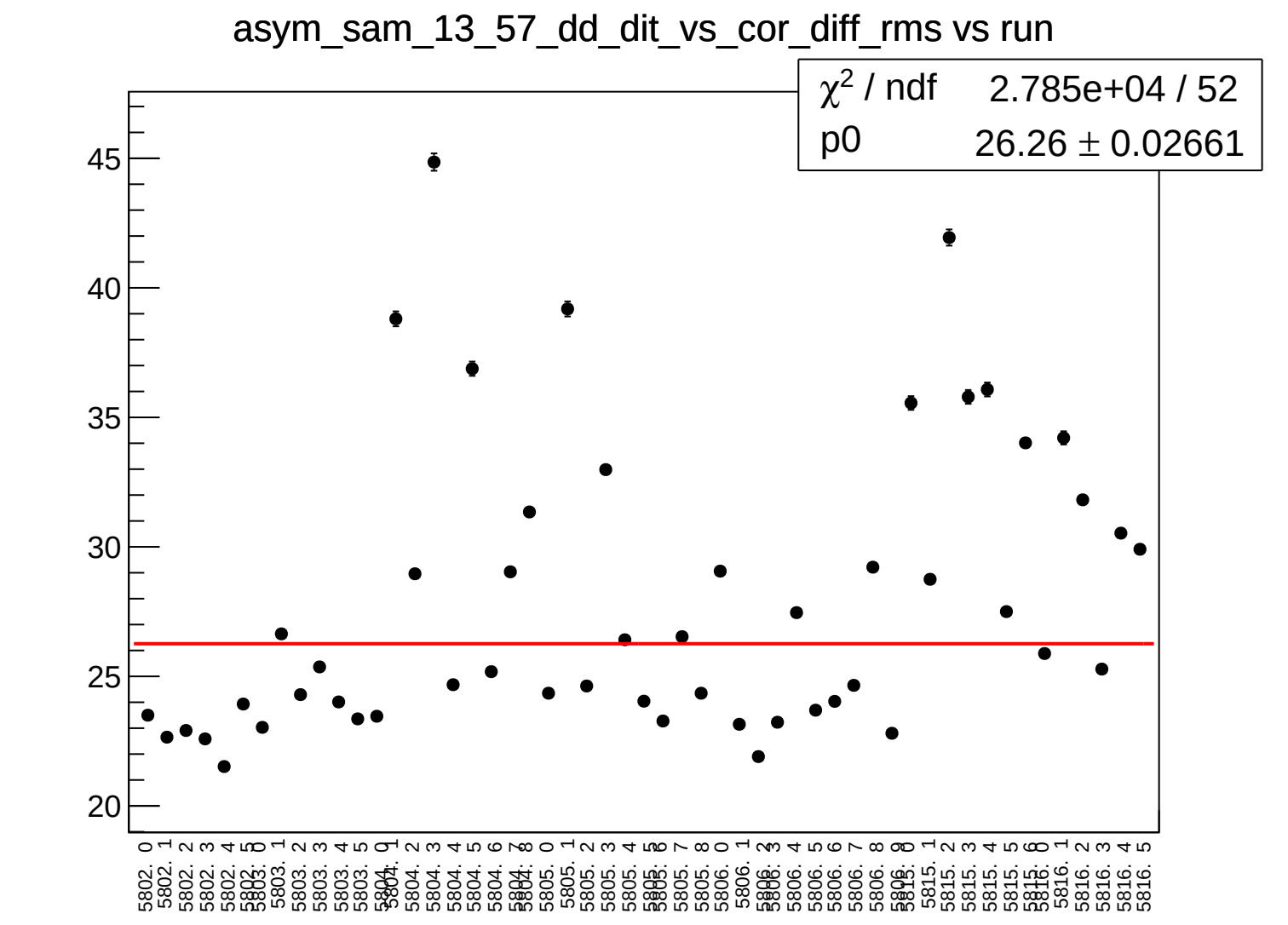

asym_sam_13_57_dd_rms vs run
χ² / ndf 1098 / 52
p0 592.2 ± 0.592
660
640
620
600
580
560
540

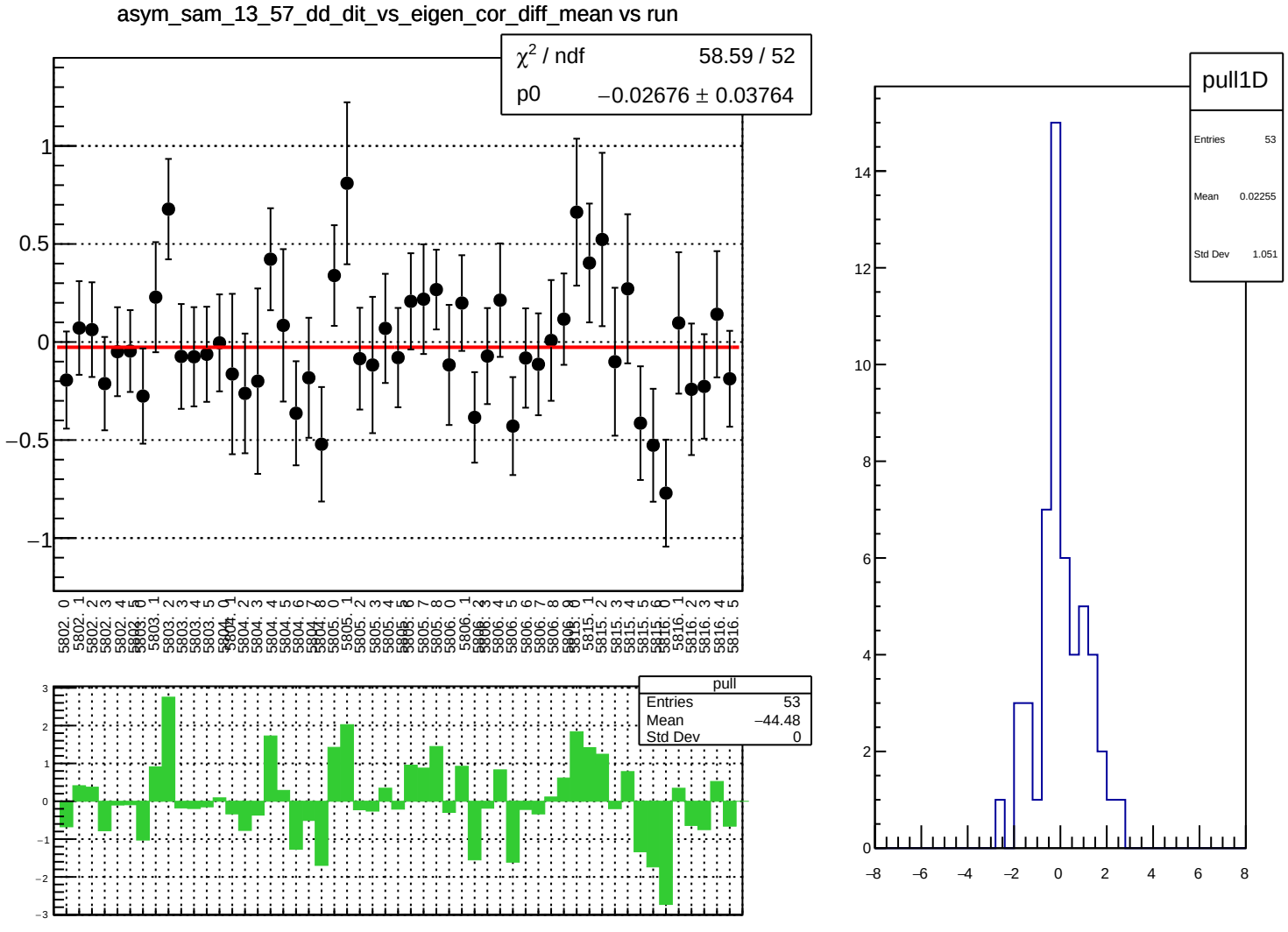

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 43.93 / 52
p0 −3.822e−14 ± 5.54e−14
pull
Entries 53
Mean 83.37
Std Dev 0

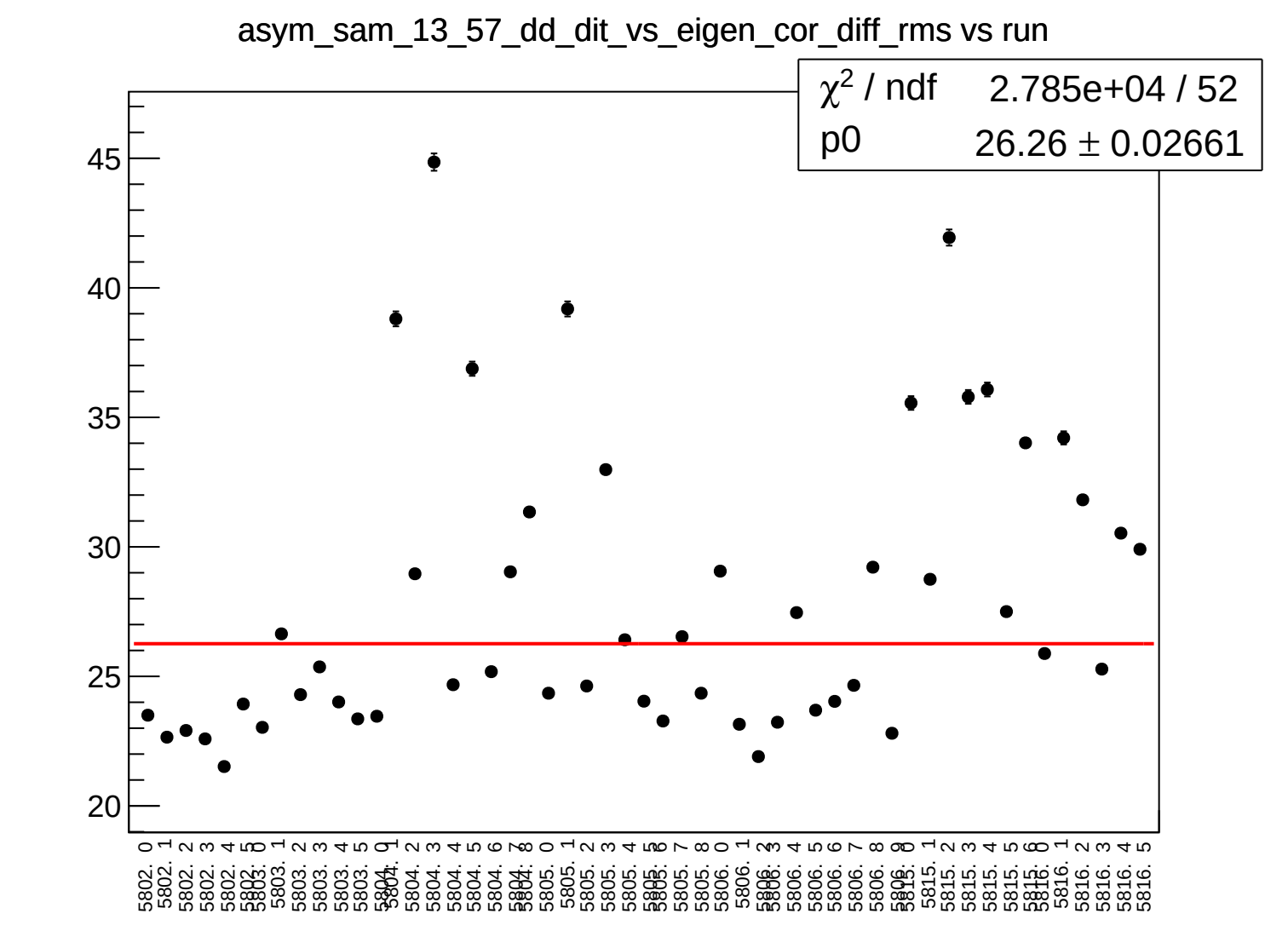

pull1D
Entries 53
Mean 0.01725
Std Dev 0.9103

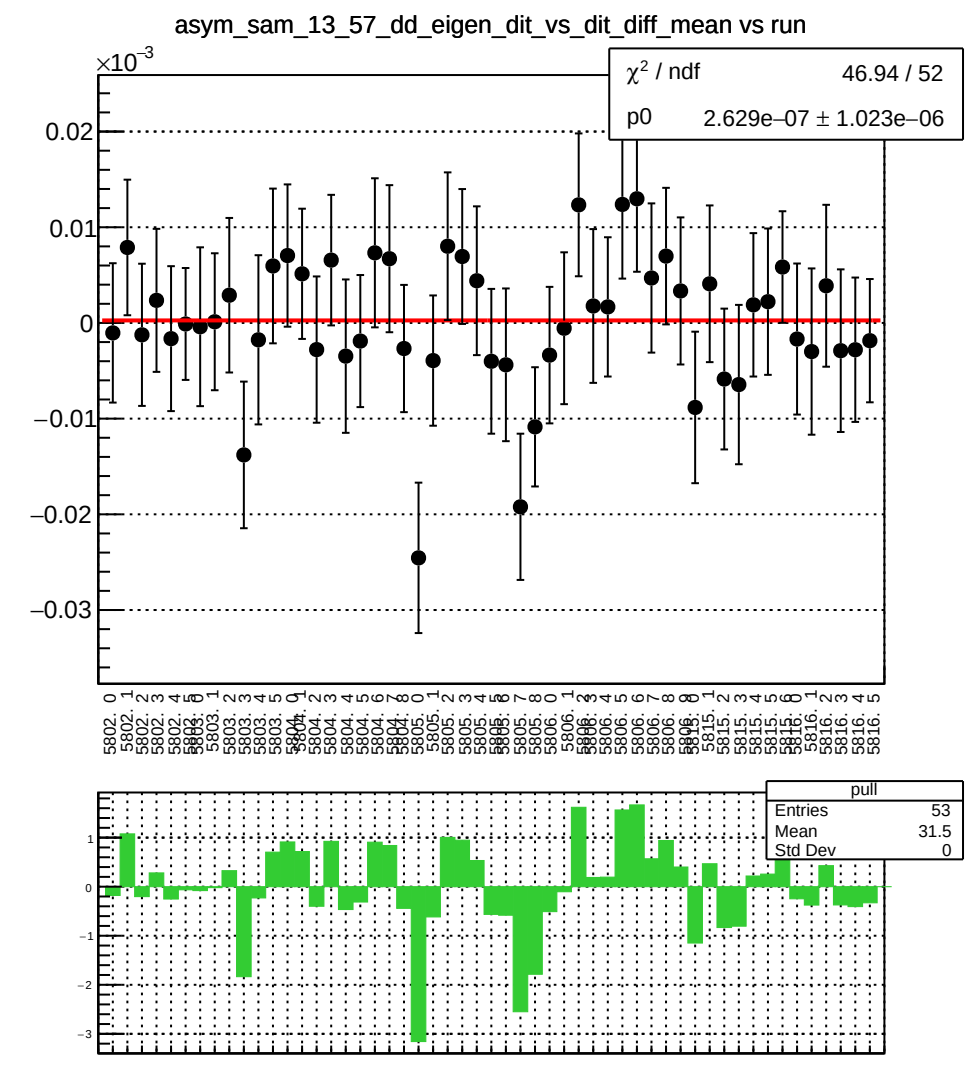

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.831e+05 / 52
p0 2.821e−11 ± 3.918e−14
0.025
0.02
0.015
0.01
0.005
0

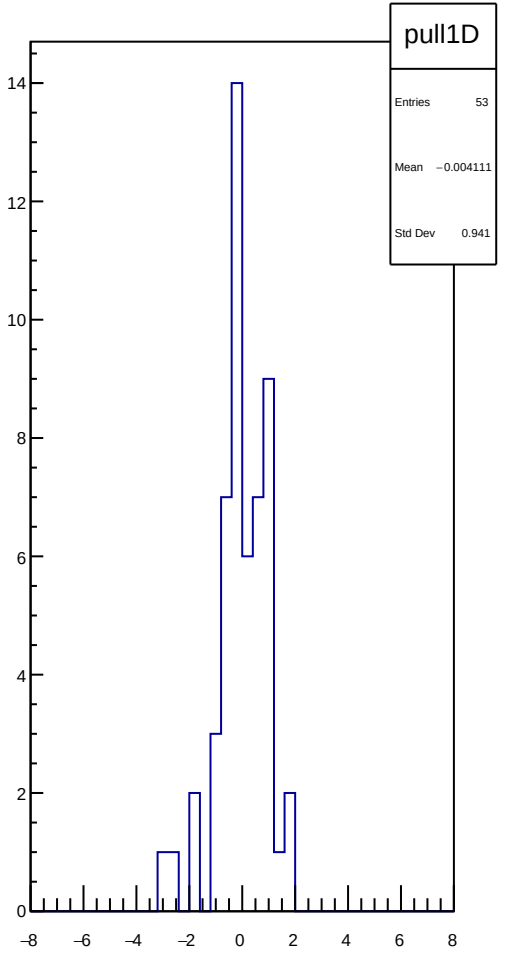

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.59 / 52
p0 −0.02676 ± 0.03764
pull
Entries 53
Mean −44.48
Std Dev 0
pull1D
Entries 53
Mean 0.02255
Std Dev 1.051

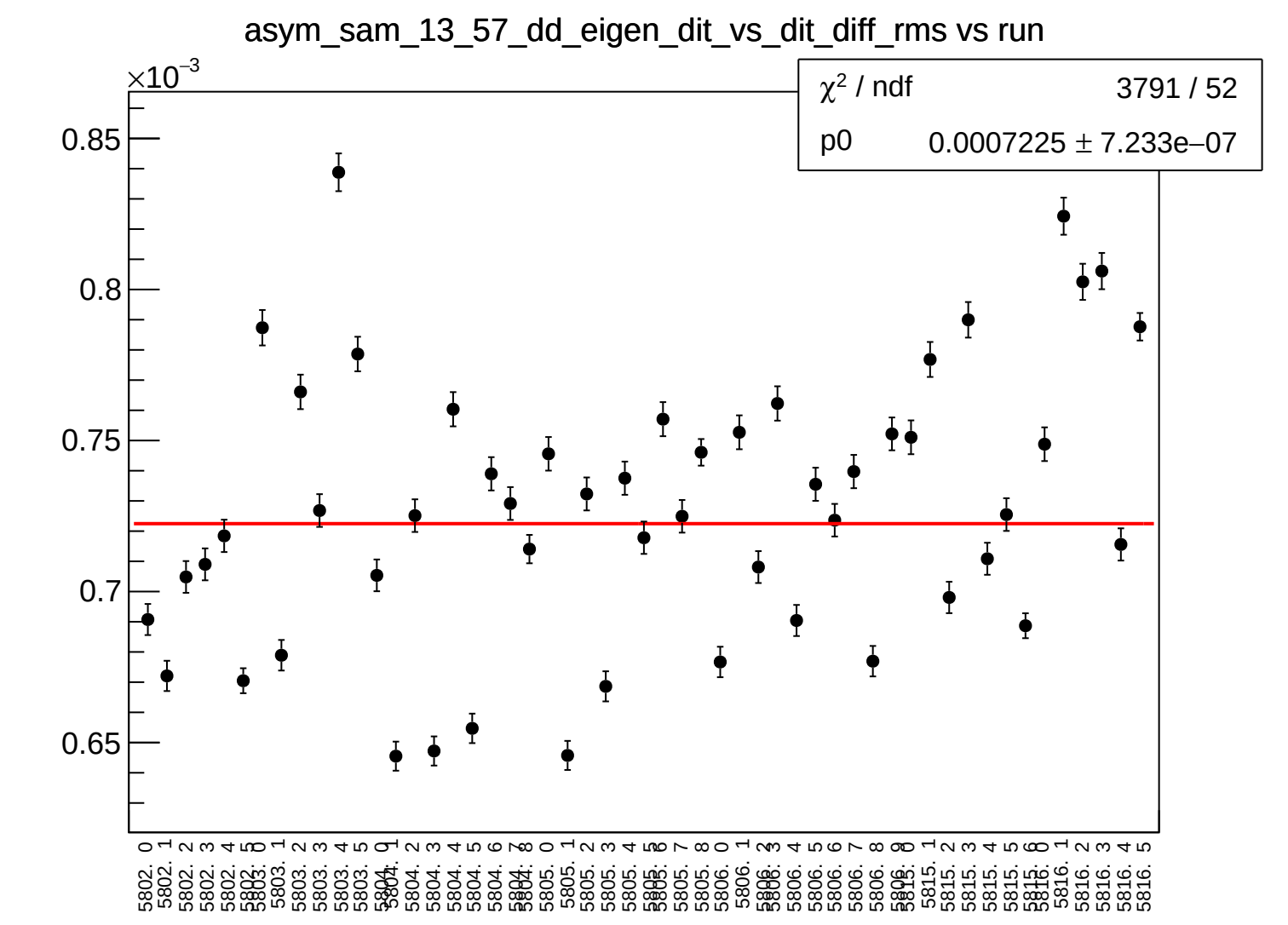

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.785e+04 / 52
p0 26.26 ± 0.02661
45
40
35
30
25
20

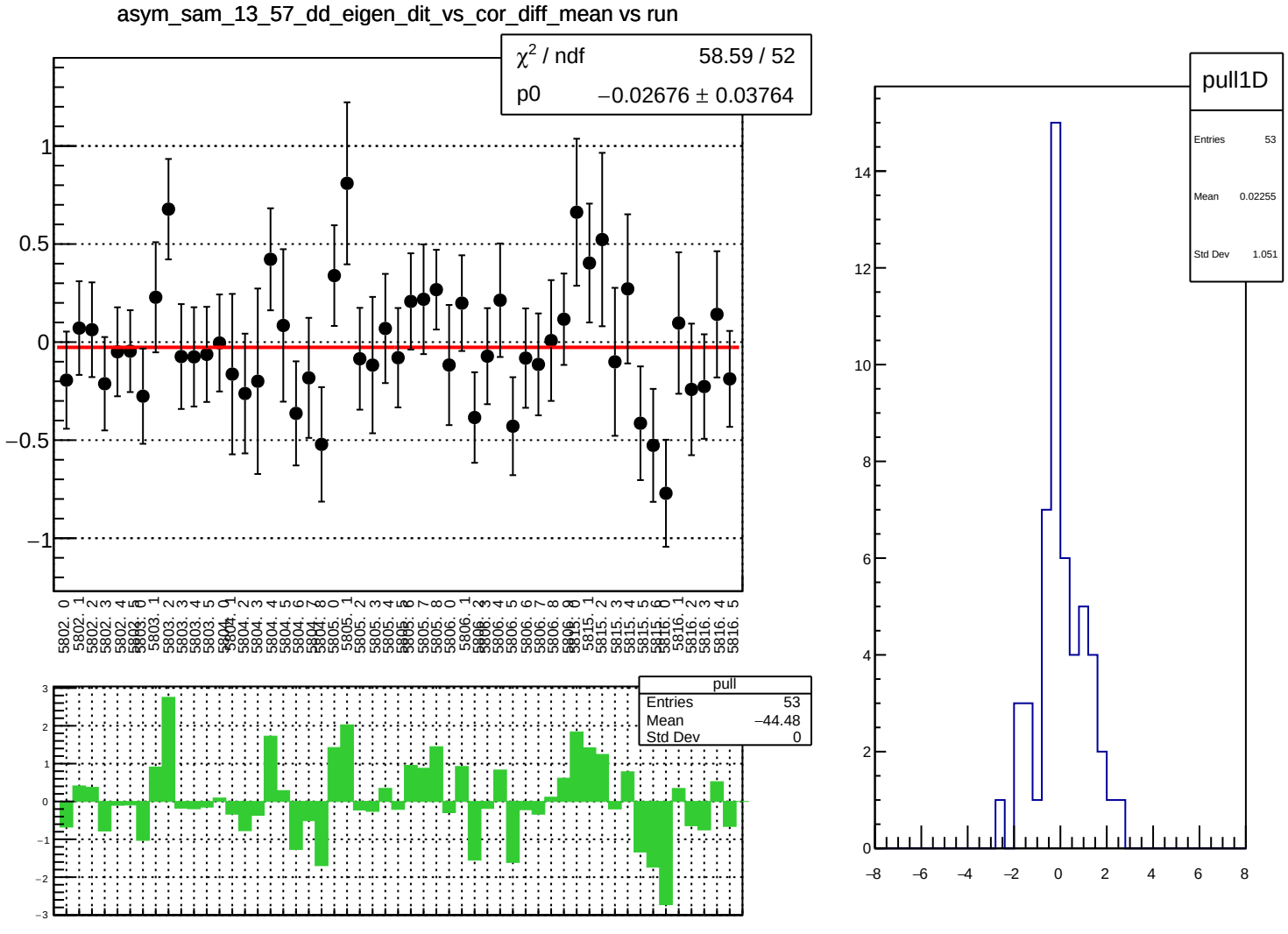

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.59 / 52
p0 −0.02676 ± 0.03764
pull
Entries 53
Mean −44.48
Std Dev 0
pull1D
Entries 53
Mean 0.02255
Std Dev 1.051

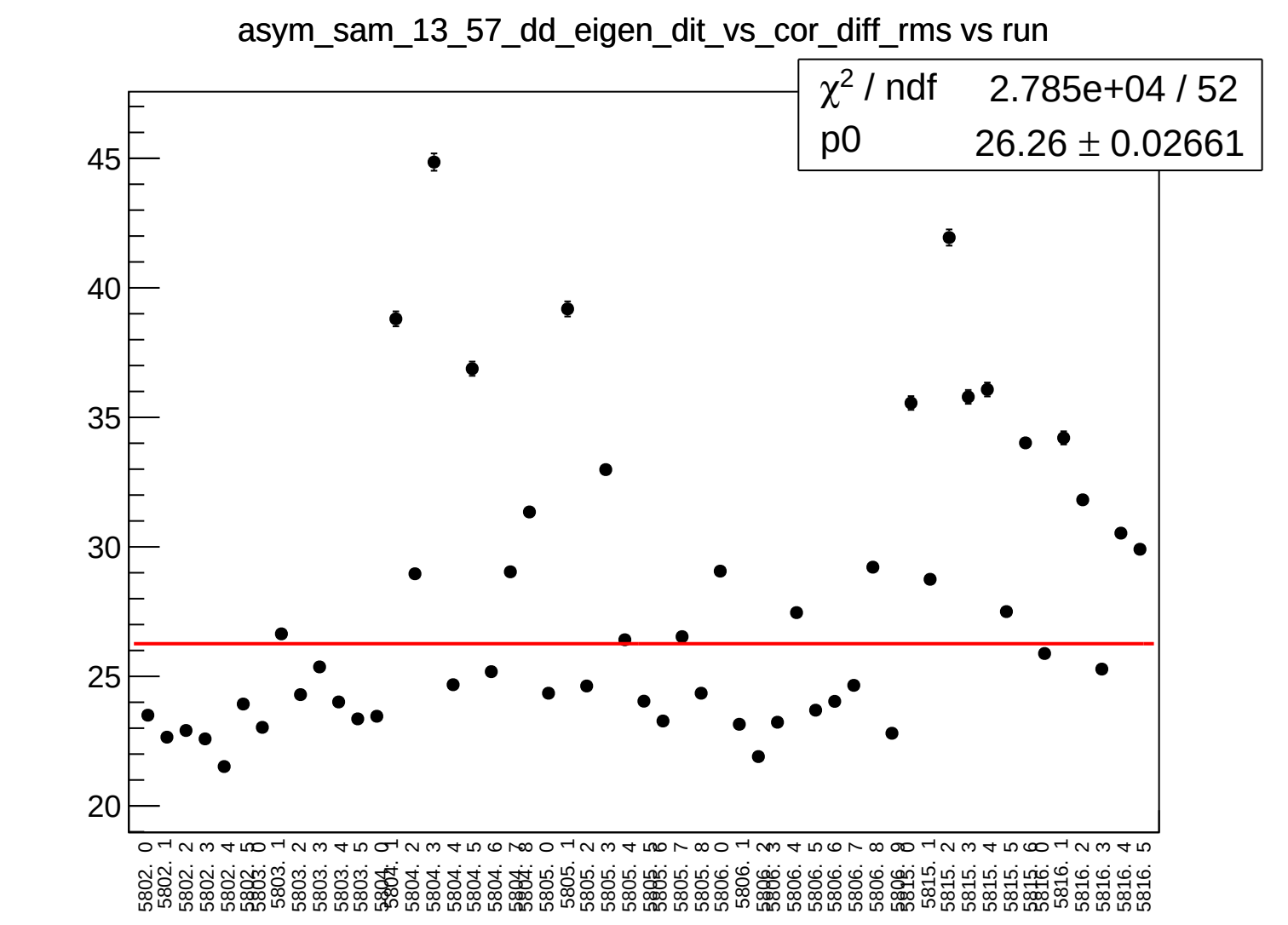

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.785e+04 / 52
p0 26.26 ± 0.02661
45
40
35
30
25
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.94 / 52
p0 2.629e−07 ± 1.023e−06
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 53
Mean 31.5
Std Dev 0

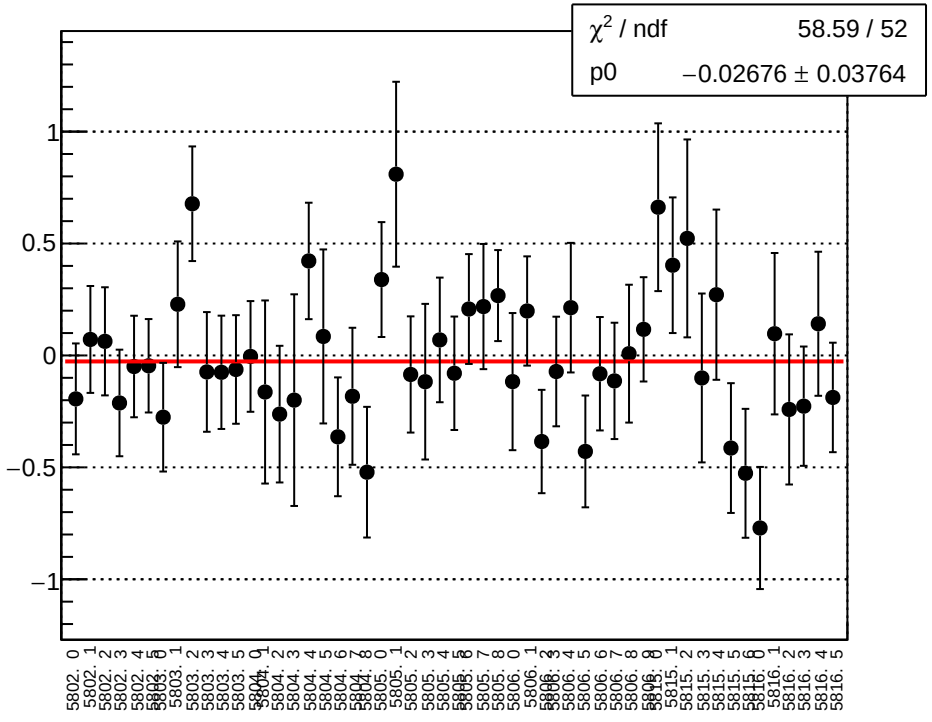

pull1D
Entries 53
Mean −0.004111
Std Dev 0.941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

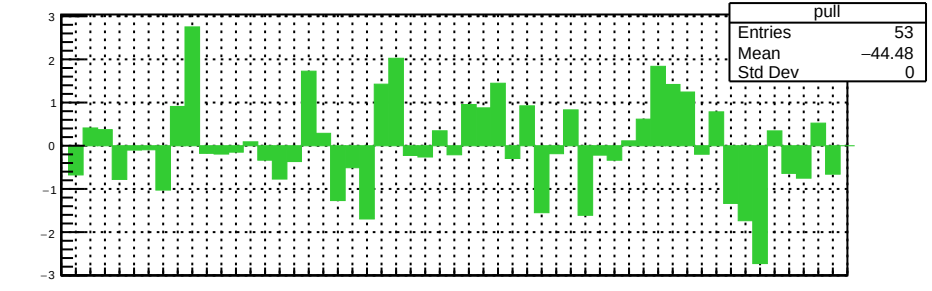

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3791 / 52
p0 0.0007225 ± 7.233e−07
0.85
0.8
0.75
0.7
0.65

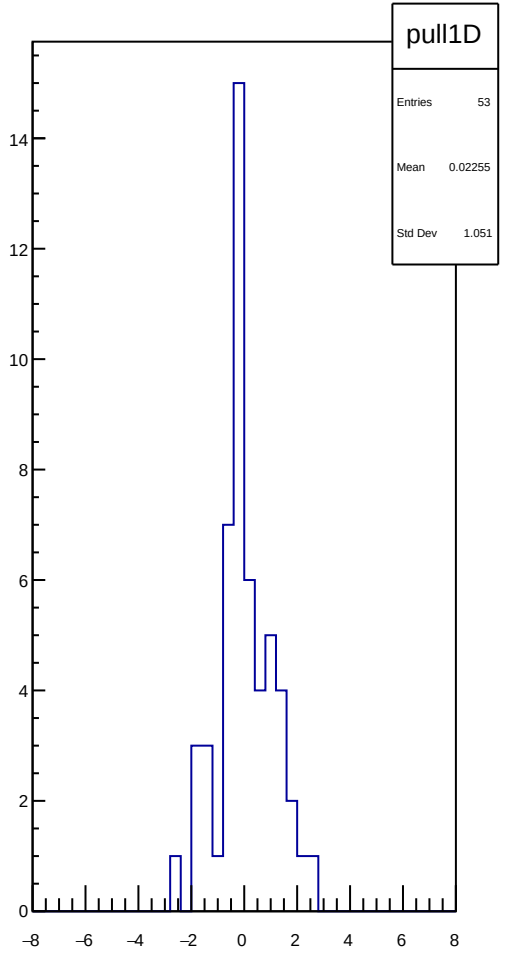

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.59 / 52
p0 −0.02676 ± 0.03764
pull
Entries 53
Mean −44.48
Std Dev 0
pull1D
Entries 53
Mean 0.02255
Std Dev 1.051

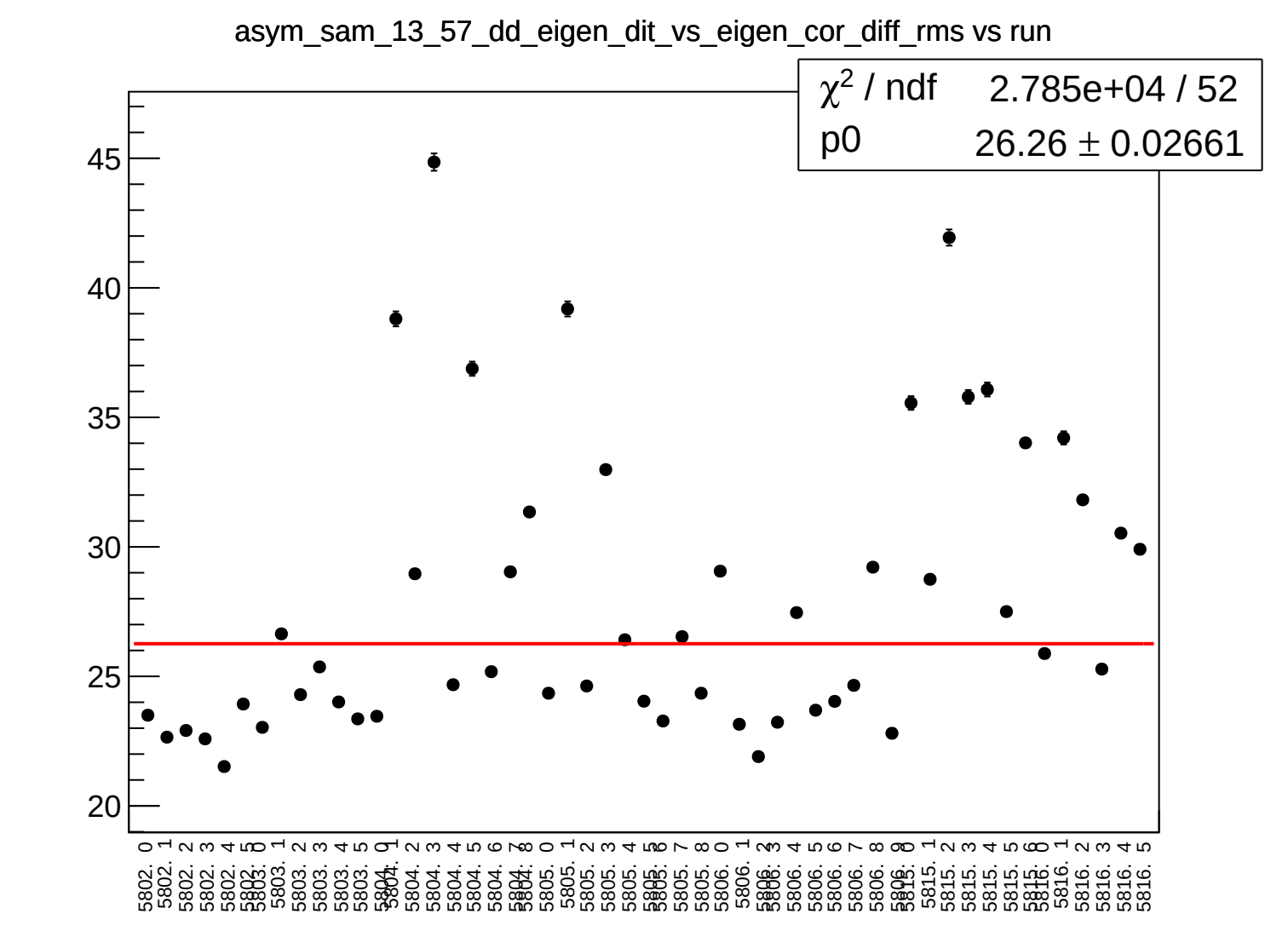

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.785e+04 / 52
p0 26.26 ± 0.02661
45
40
35
30
25
20
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

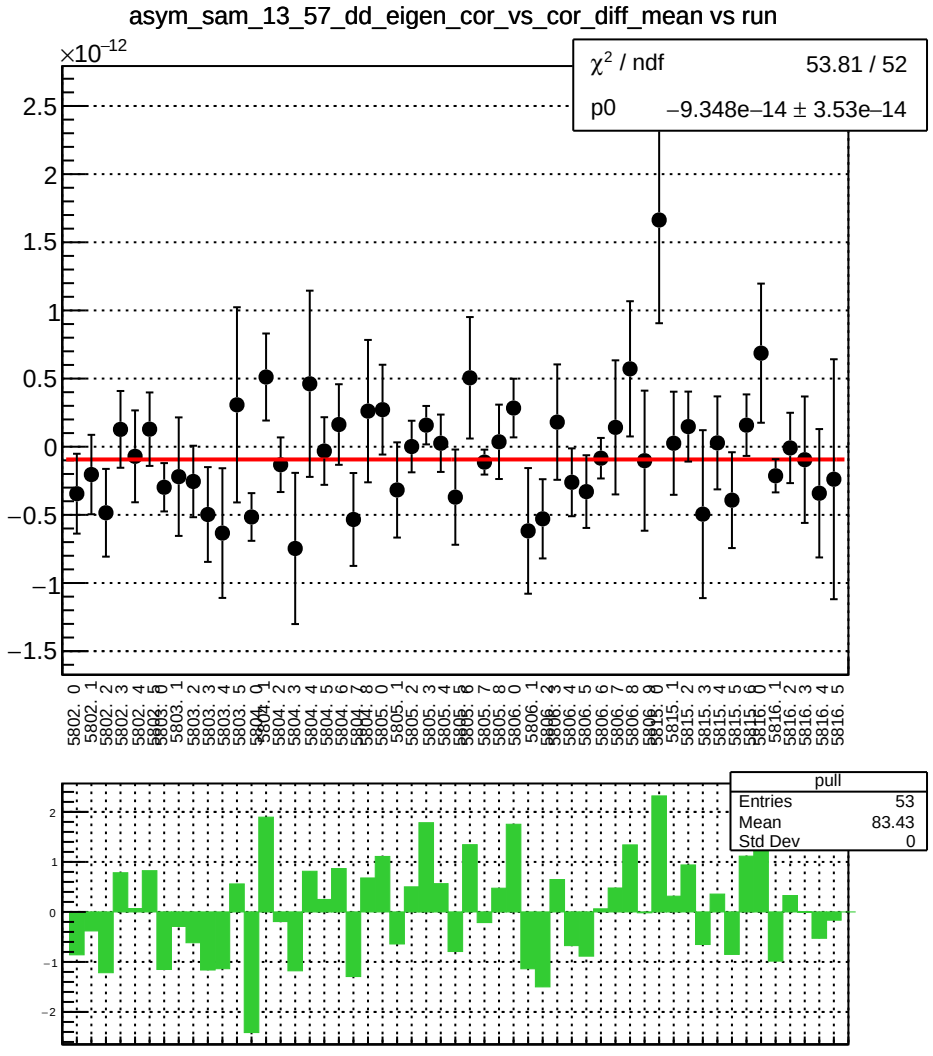
asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

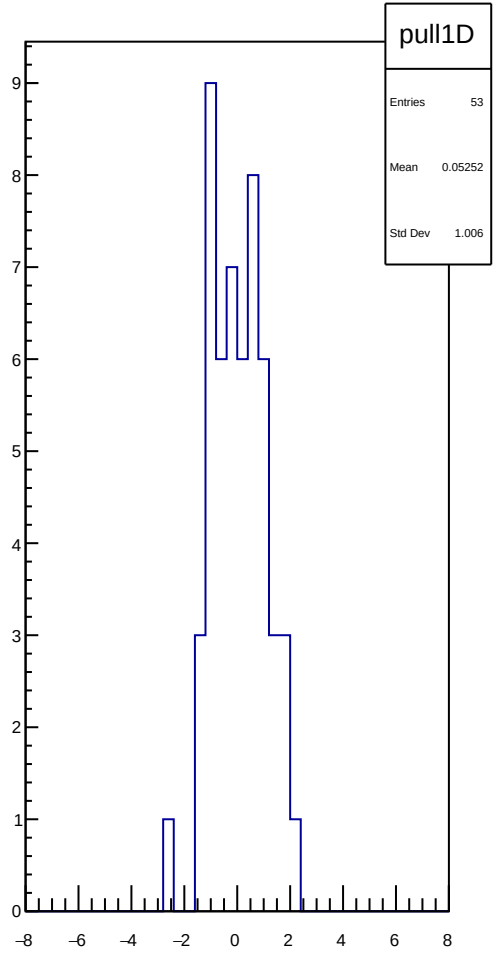


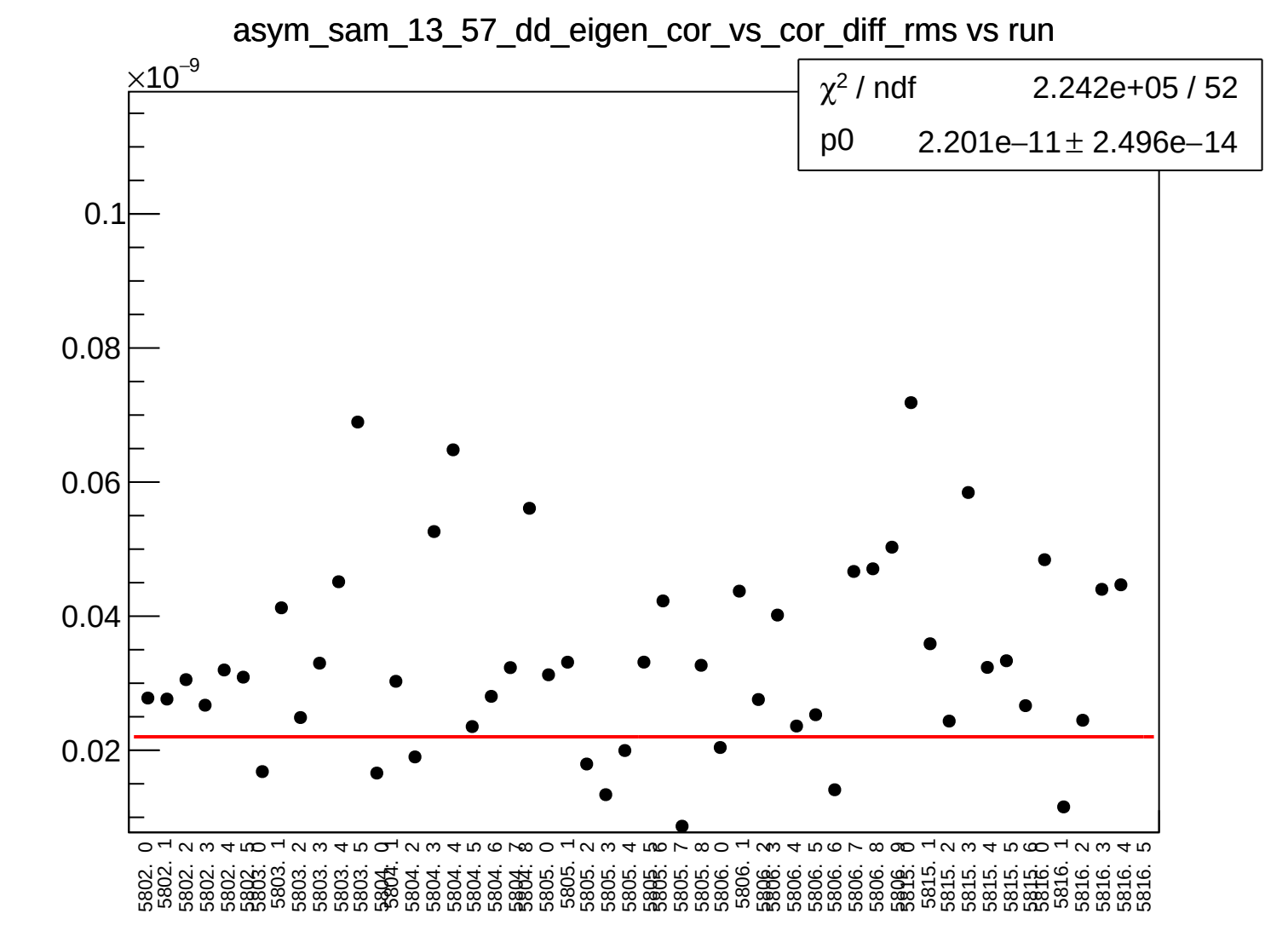


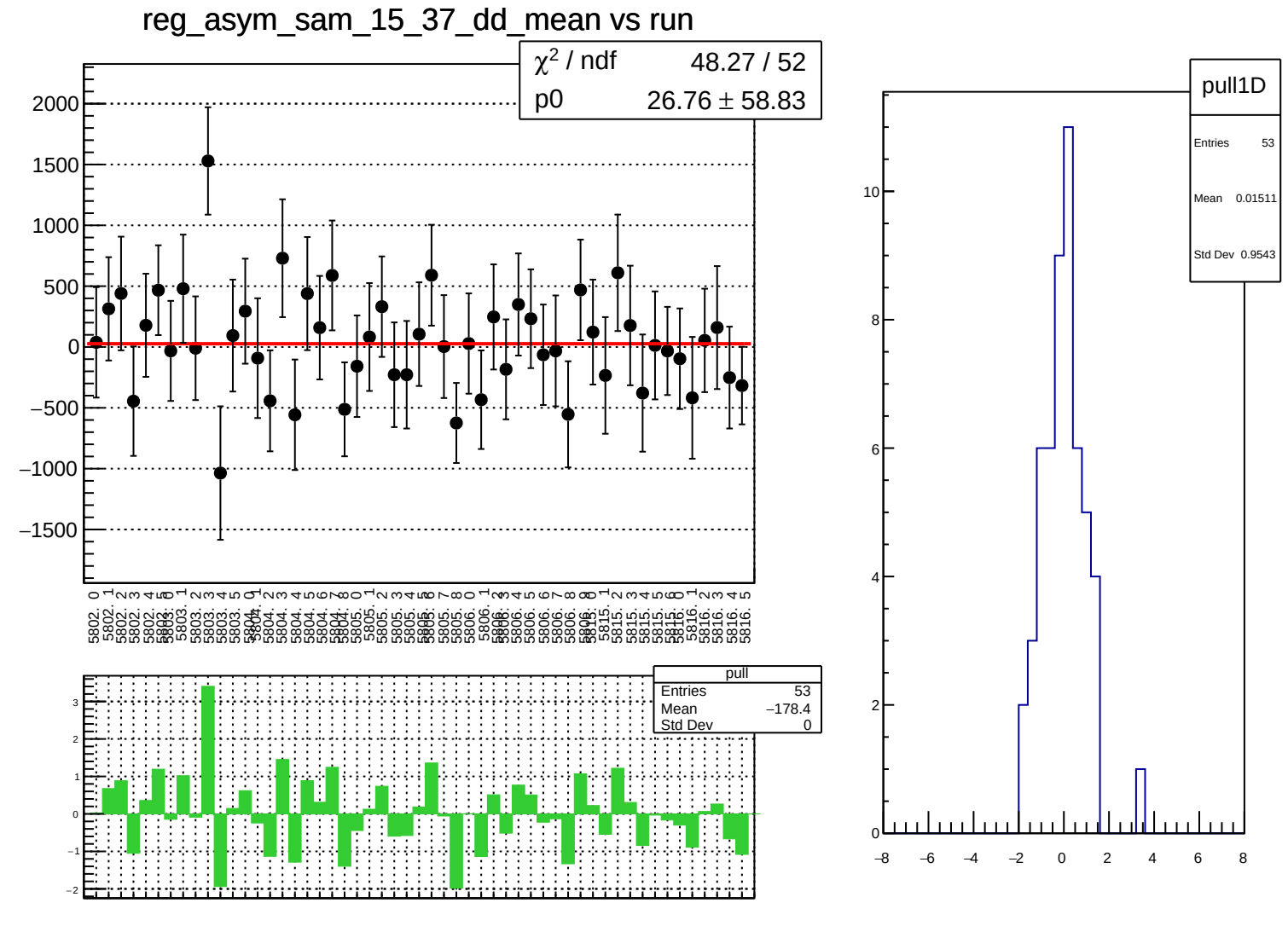


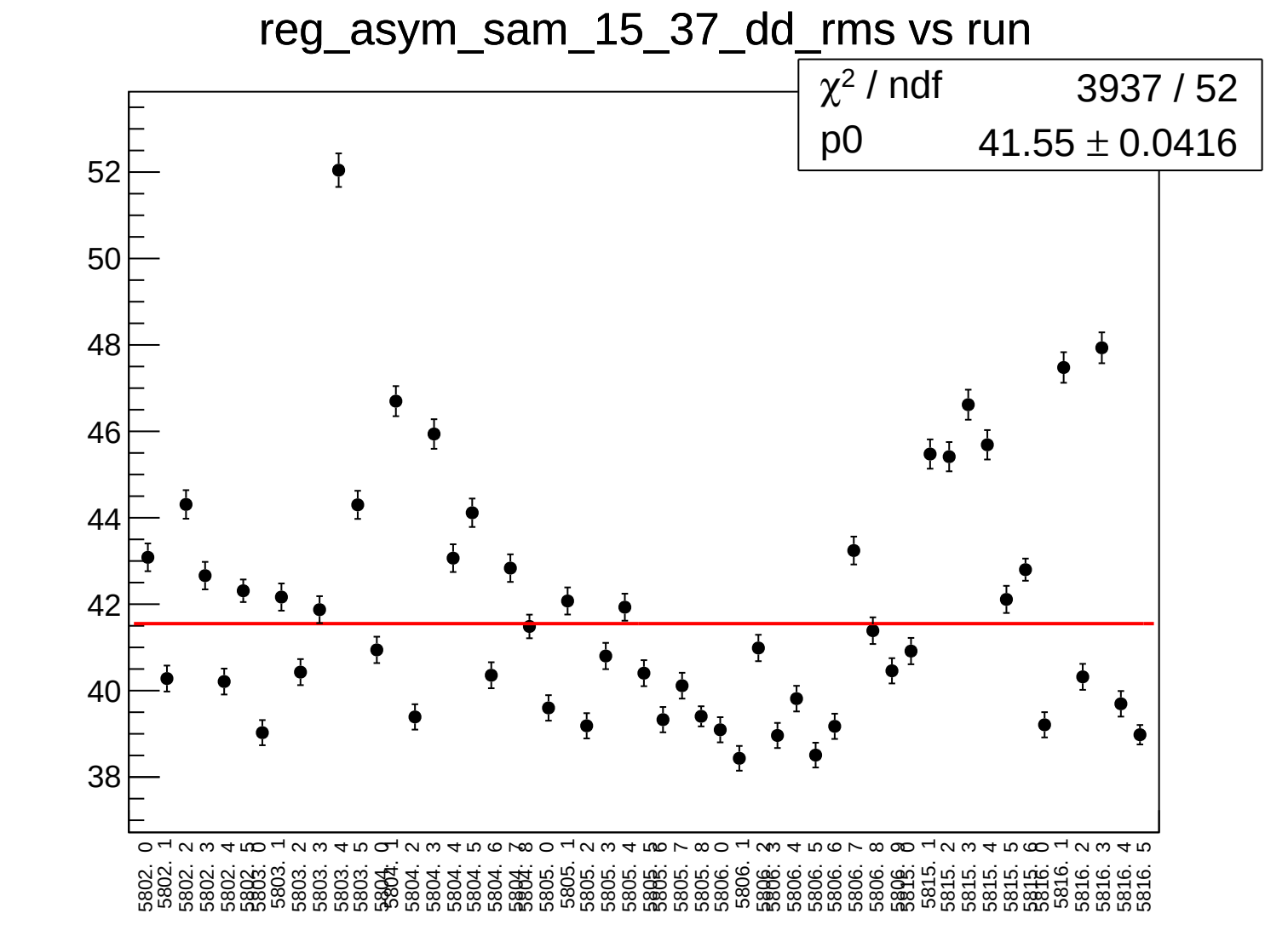

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.785e+04 / 52
p0 26.26 ± 0.02661
45
40
35
30
25
20

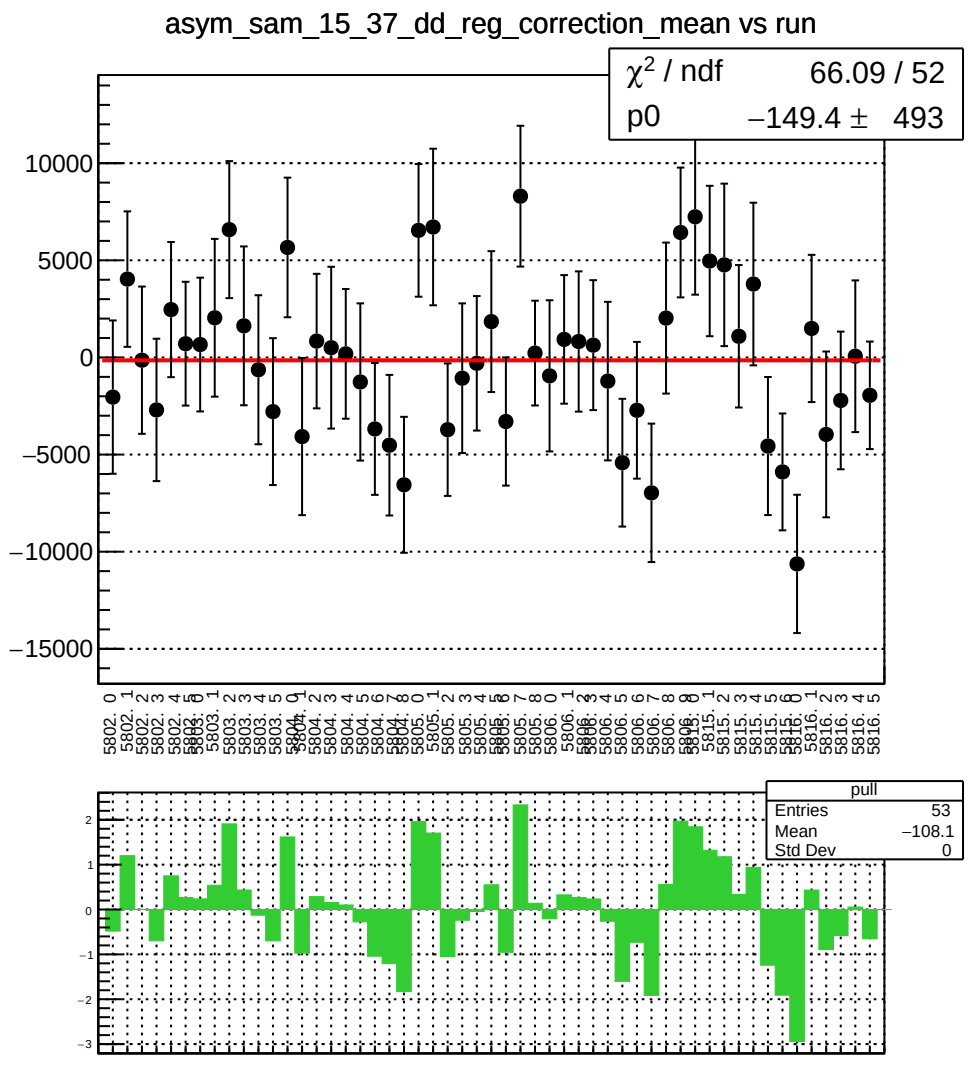

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.81 / 52
p0 −9.348e−14 ± 3.53e−14
pull
Entries 53
Mean 83.43
Std Dev 0

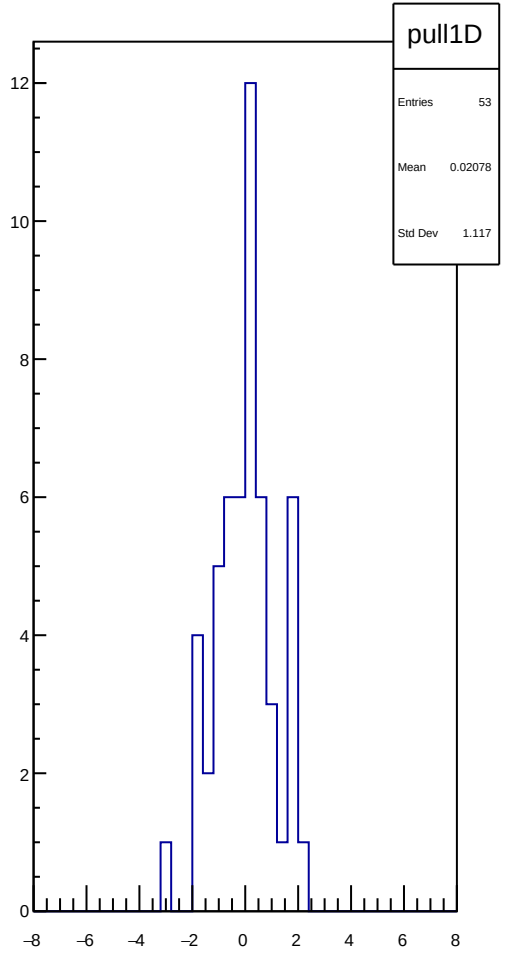

pull1D
Entries 53
Mean 0.05252
Std Dev 1.006

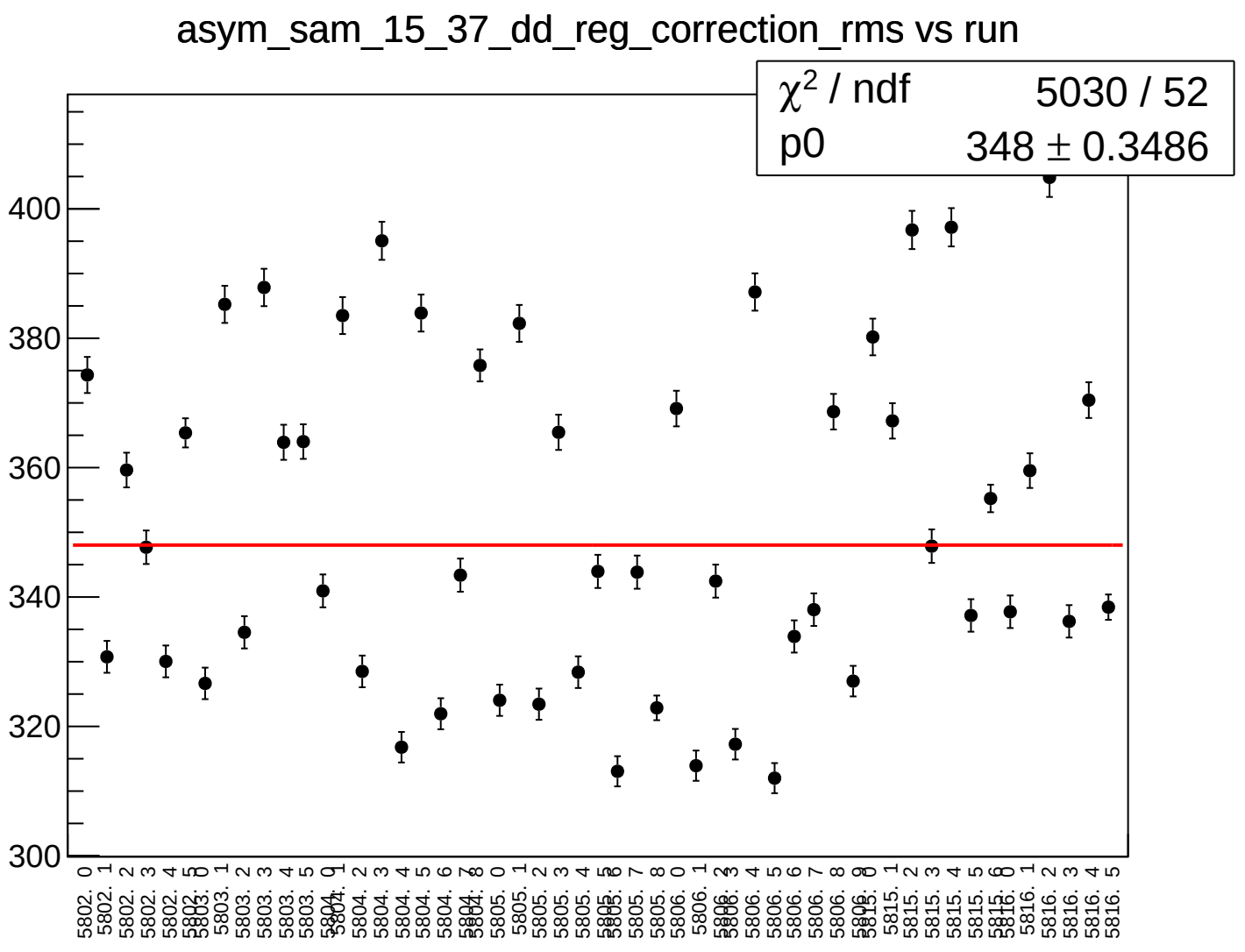

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.242e+05 / 52
p0 2.201e−11 ± 2.496e−14
0.1
0.08
0.06
0.04
0.02

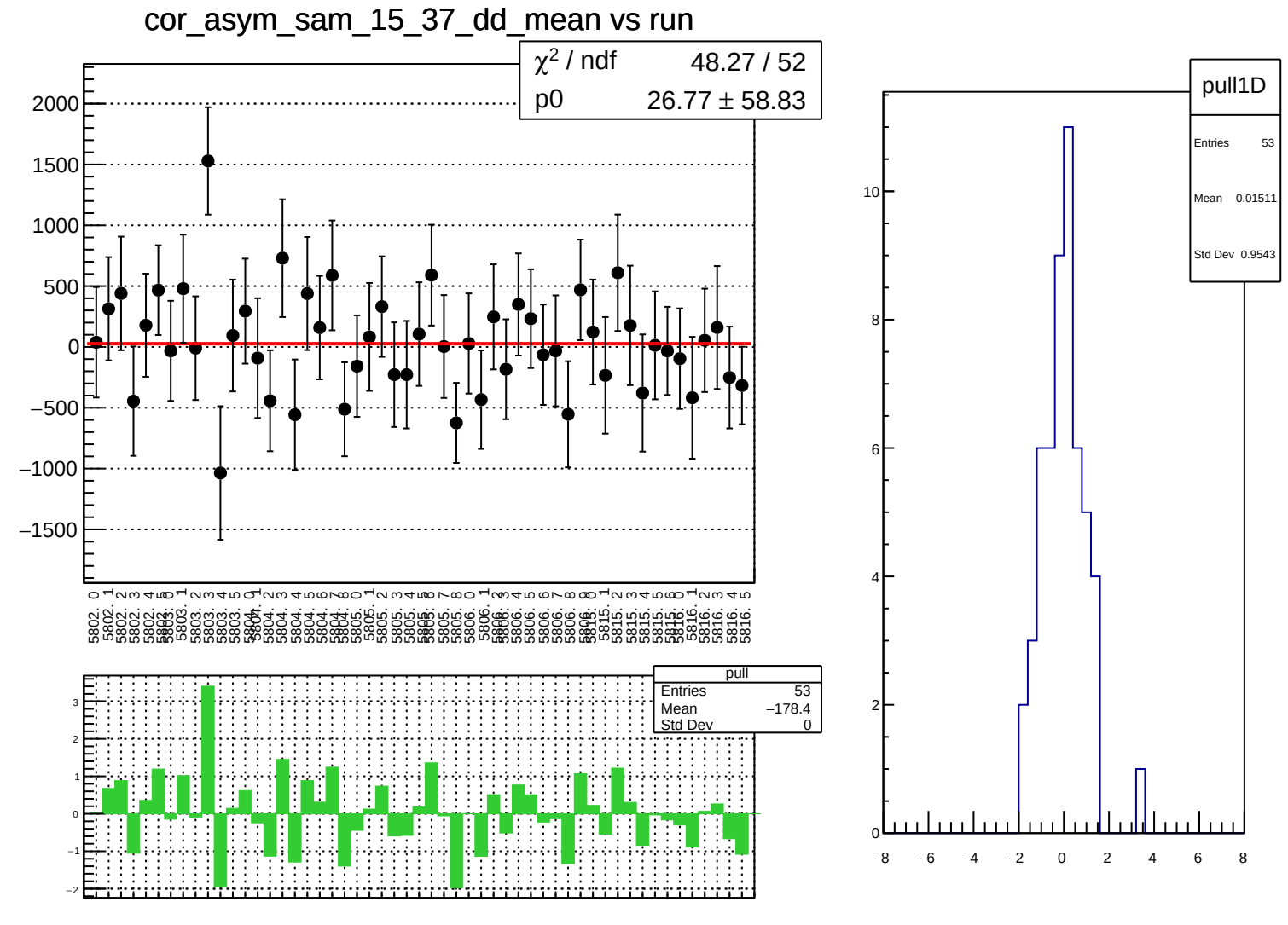

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.27 / 52
p0 26.76 ± 58.83
pull
Entries 53
Mean −178.4
Std Dev 0
pull1D
Entries 53
Mean 0.01511
Std Dev 0.9543

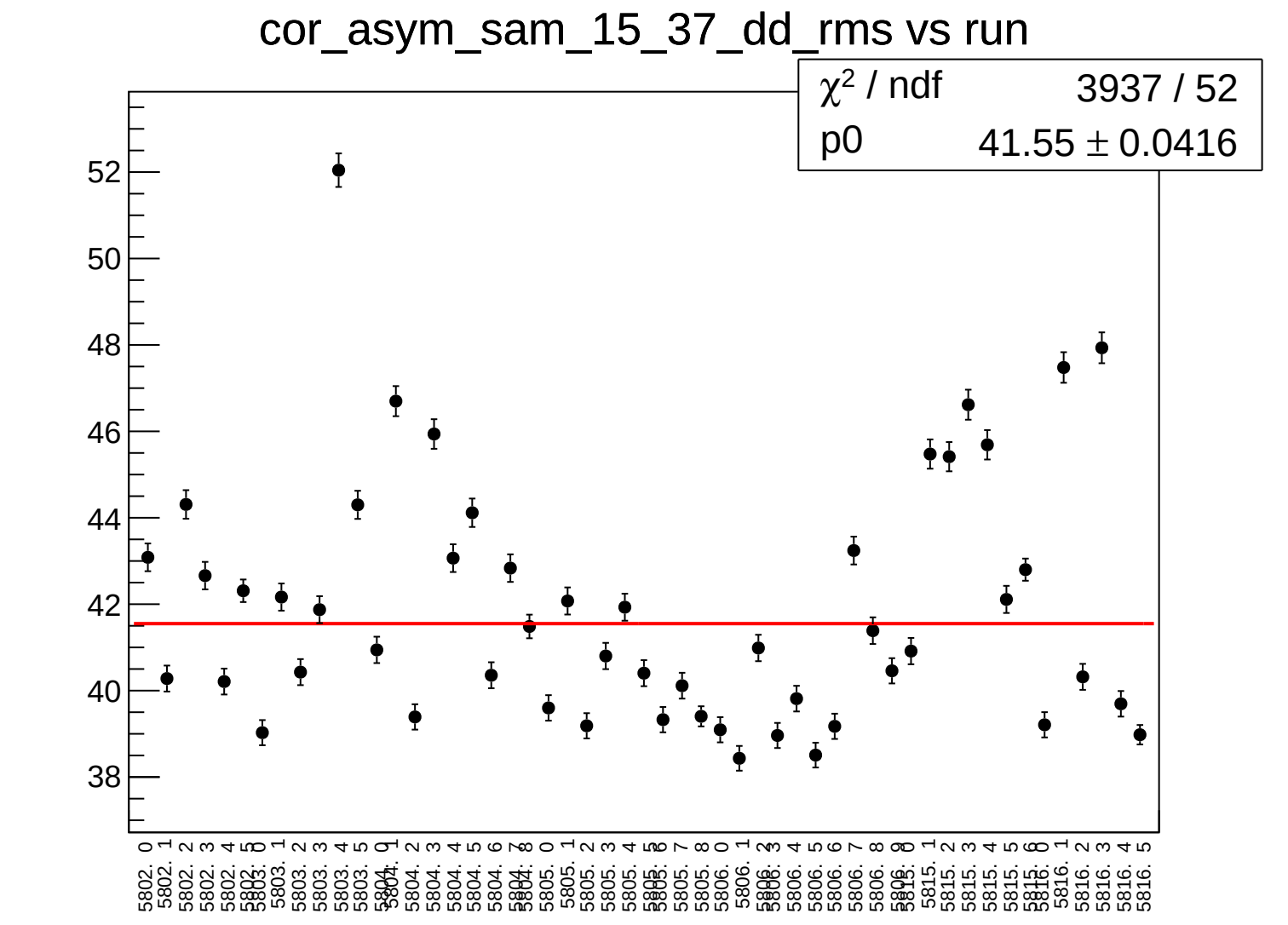

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 3937 / 52
p0 41.55 ± 0.0416
52
50
48
46
44
42
40
38

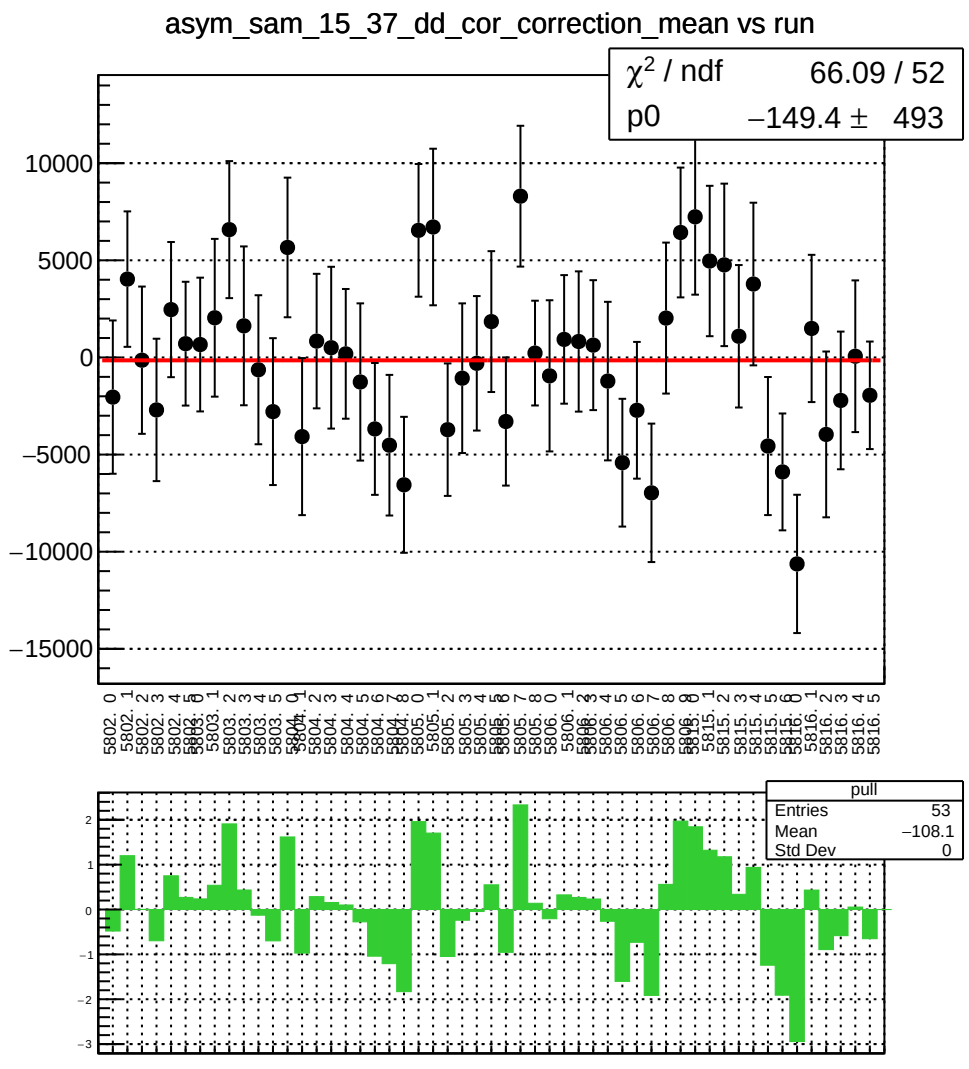

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 66.09 / 52
p0 −149.4 ± 493
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −108.1
Std Dev 0
2
1
0
−1
−2
−3

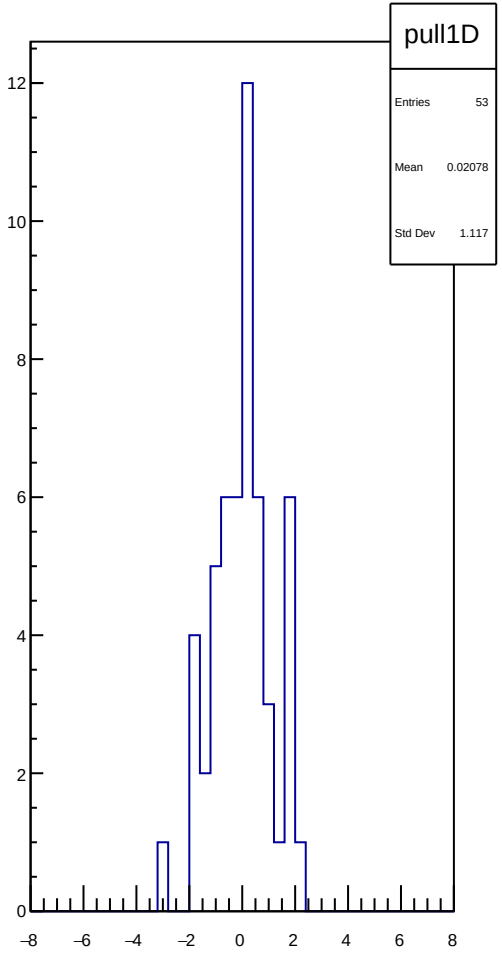

pull1D
Entries 53
Mean 0.02078
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

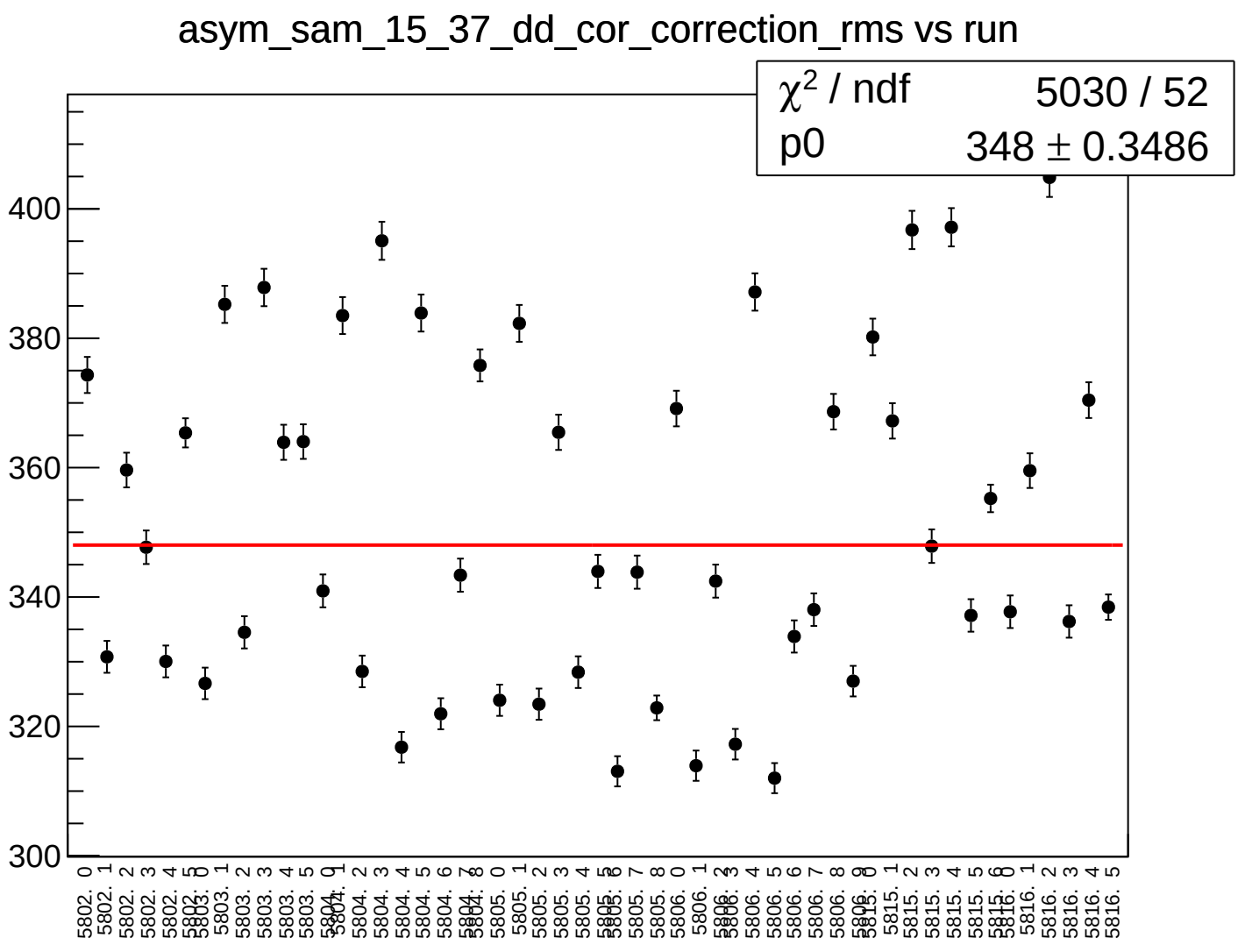

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 5030 / 52
p0 348 ± 0.3486
400
380
360
340
320
300

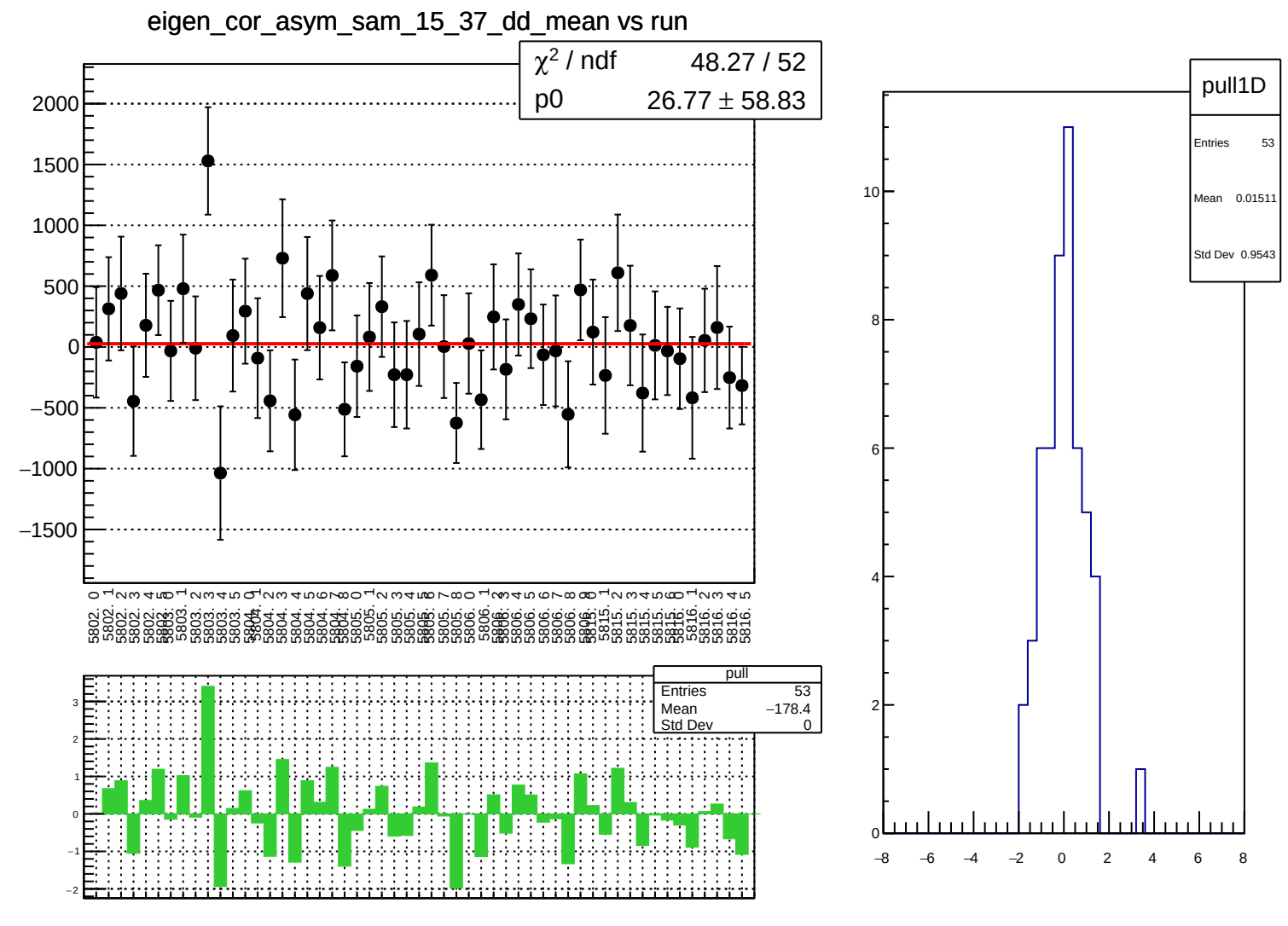

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.27 / 52
p0 26.77 ± 58.83
pull
Entries 53
Mean −178.4
Std Dev 0
pull1D
Entries 53
Mean 0.01511
Std Dev 0.9543

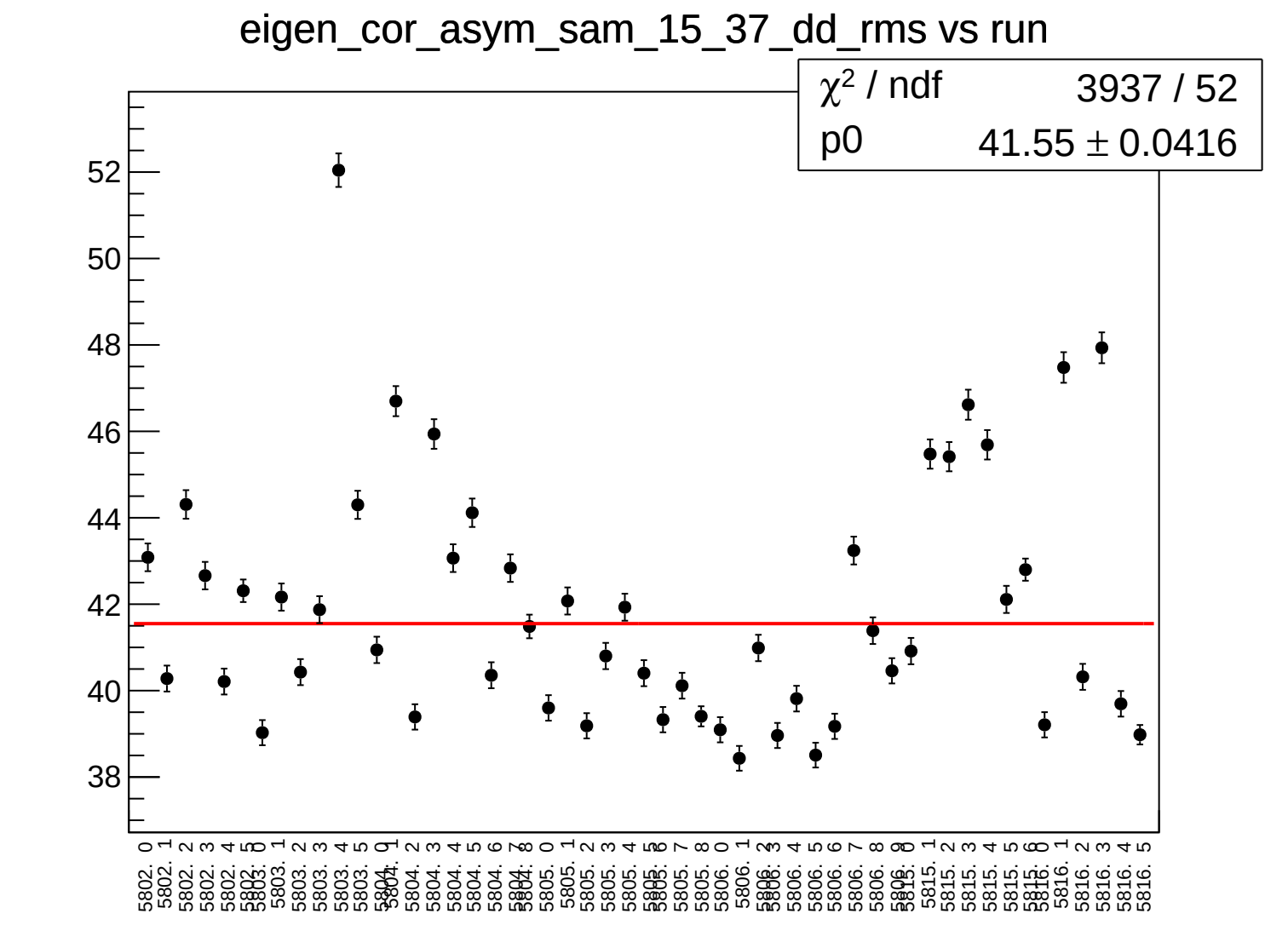

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 3937 / 52
p0 41.55 ± 0.0416
52
50
48
46
44
42
40
38

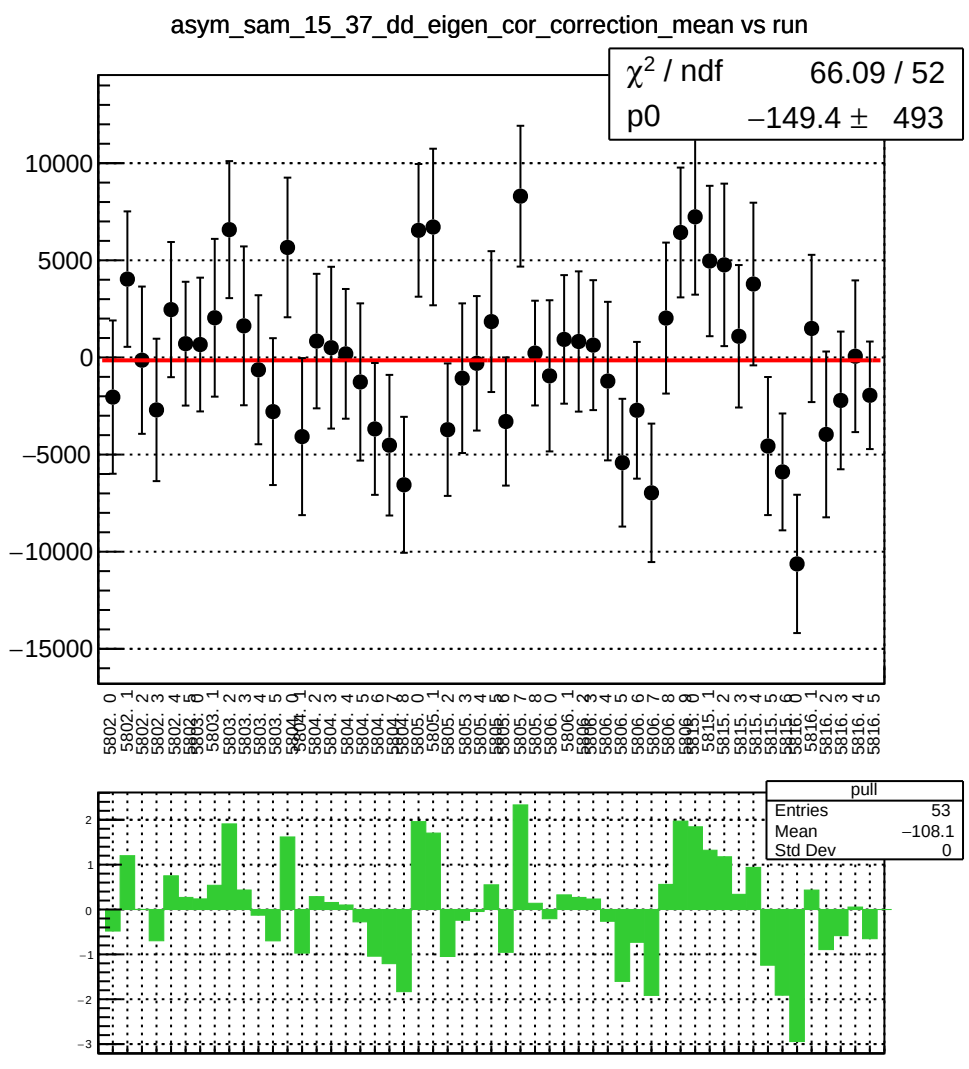

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 66.09 / 52
p0 −149.4 ± 493
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −108.1
Std Dev 0
2
1
0
−1
−2
−3

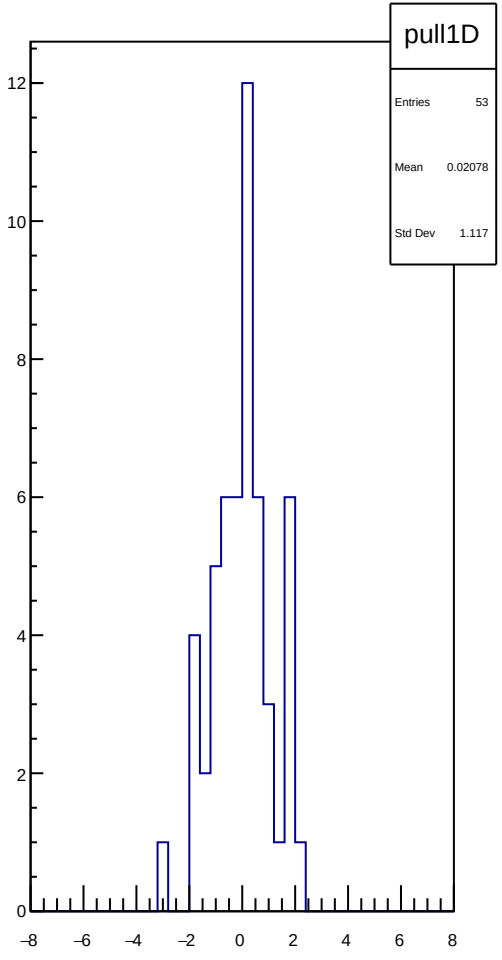

pull1D
Entries 53
Mean 0.02078
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

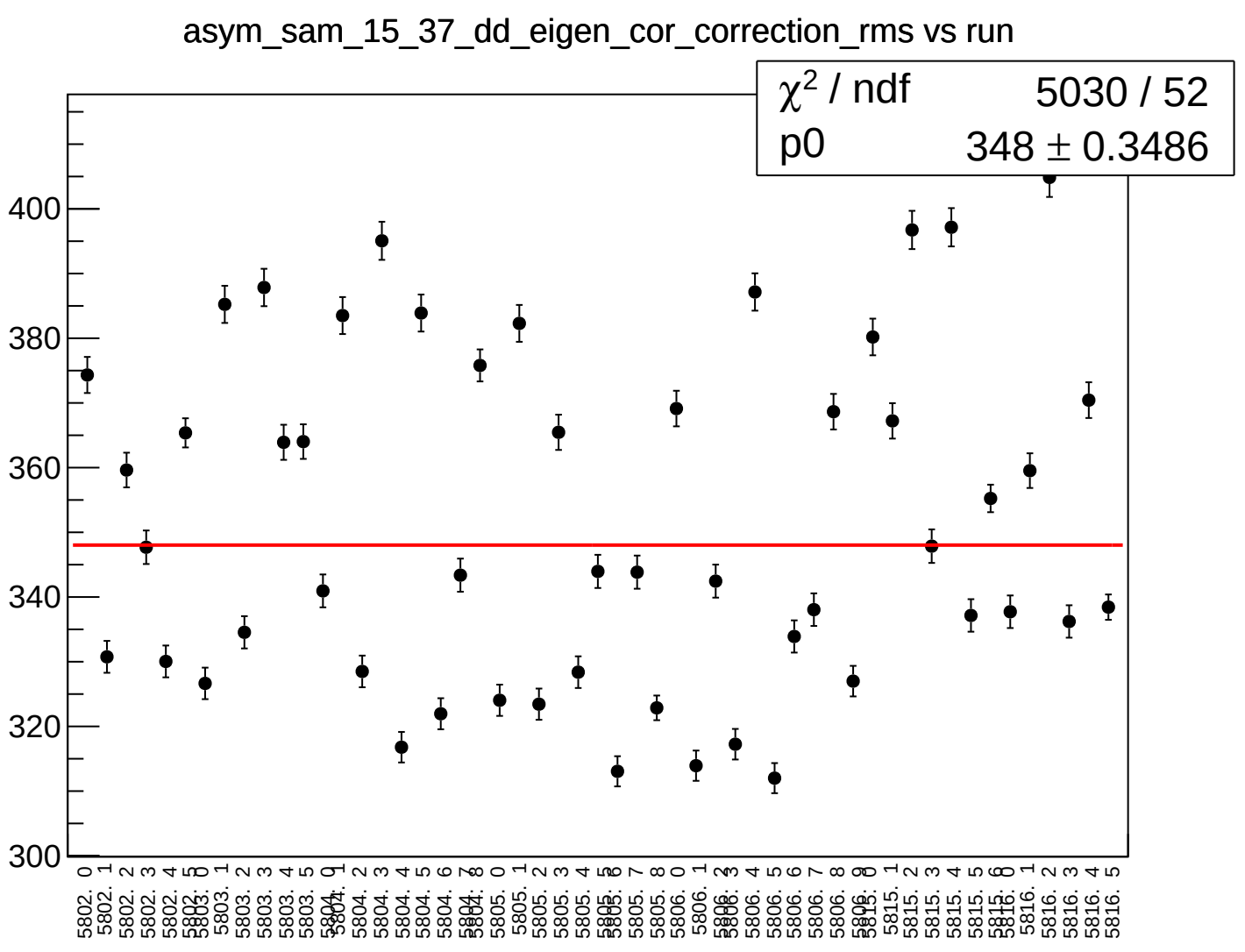

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 5030 / 52
p0 348 ± 0.3486
400
380
360
340
320
300

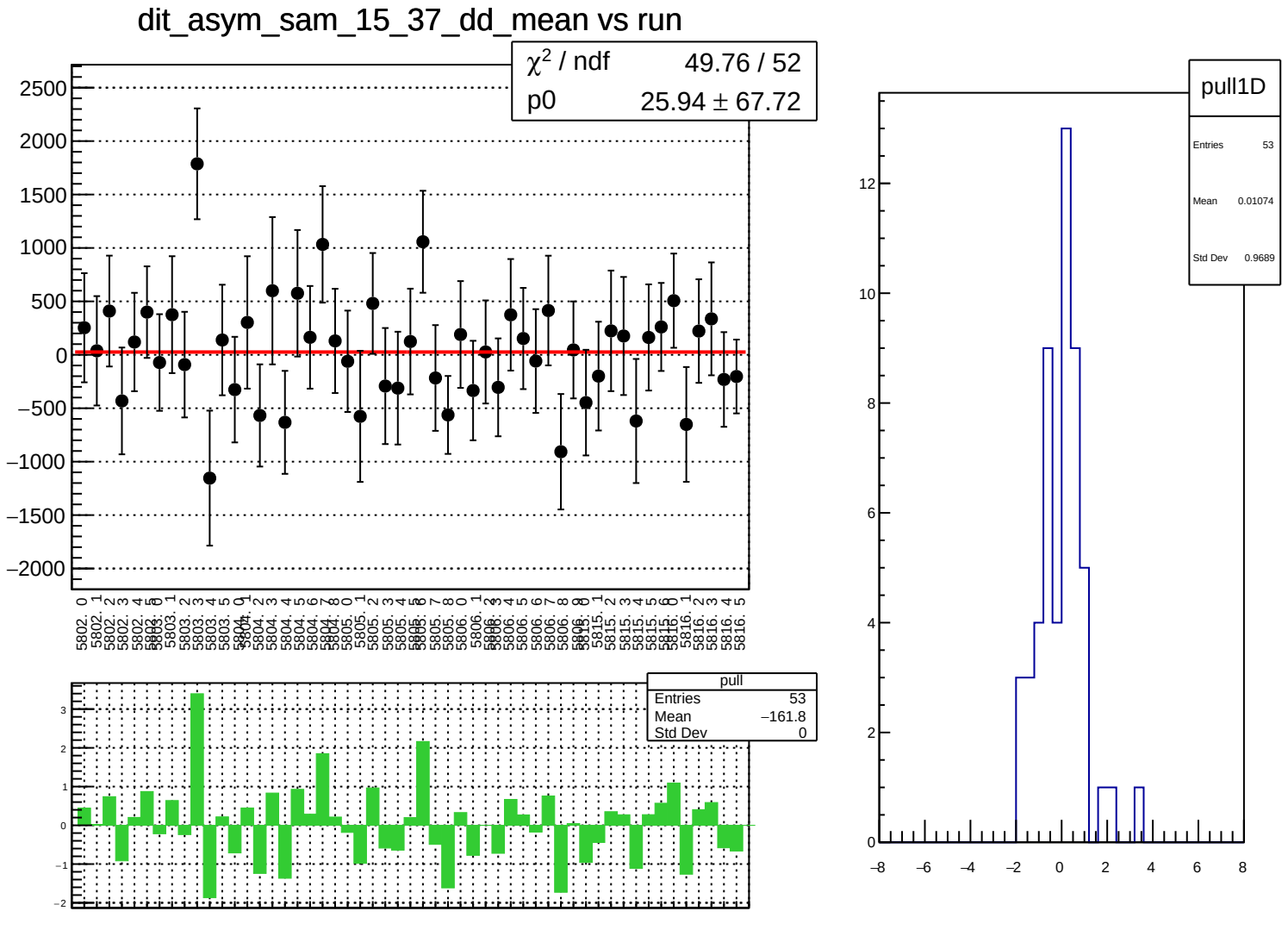

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 48.27 / 52
p0 26.77 ± 58.83
pull
Entries 53
Mean −178.4
Std Dev 0
pull1D
Entries 53
Mean 0.01511
Std Dev 0.9543

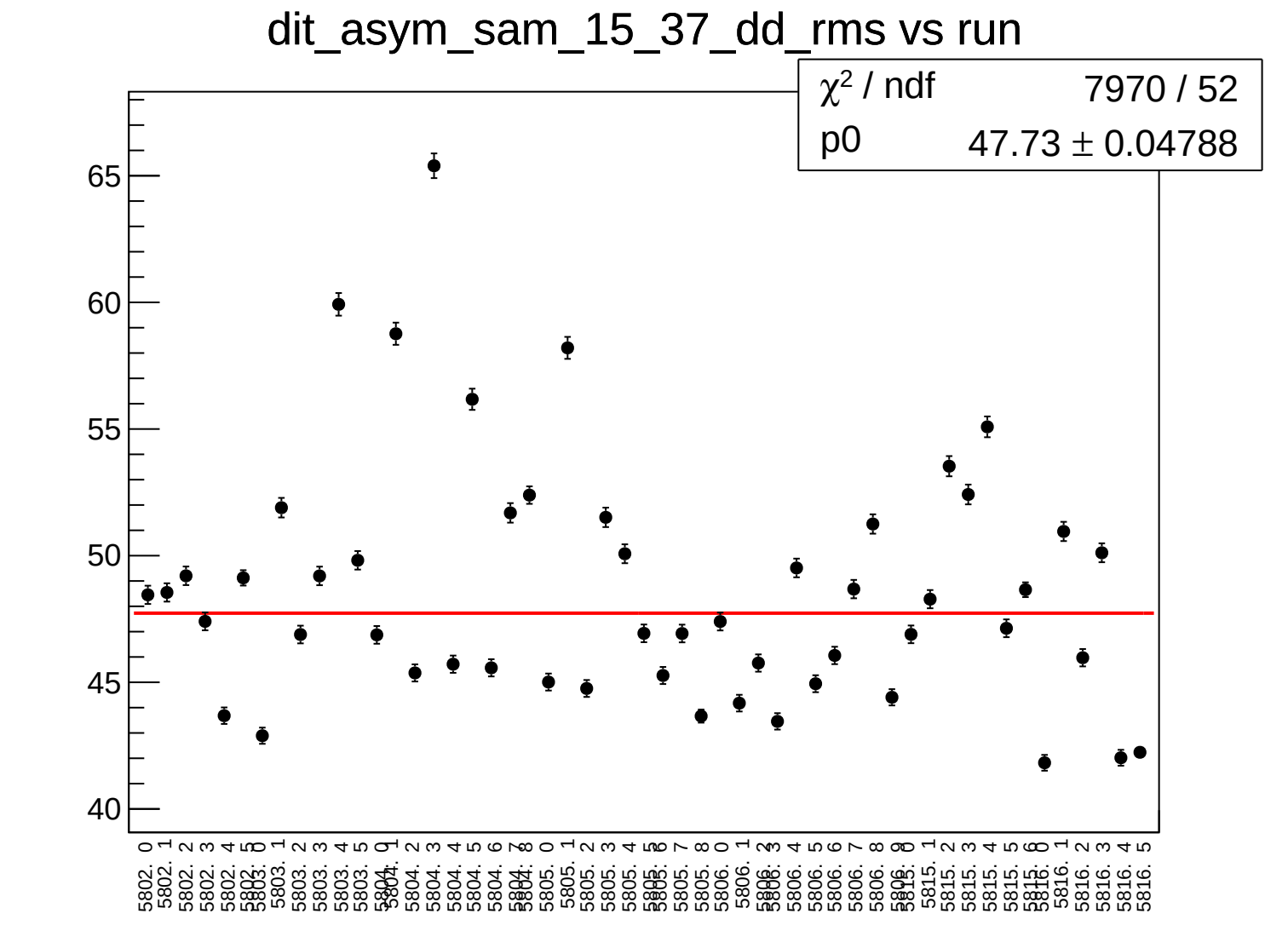

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 3937 / 52
p0 41.55 ± 0.0416
52
50
48
46
44
42
40
38

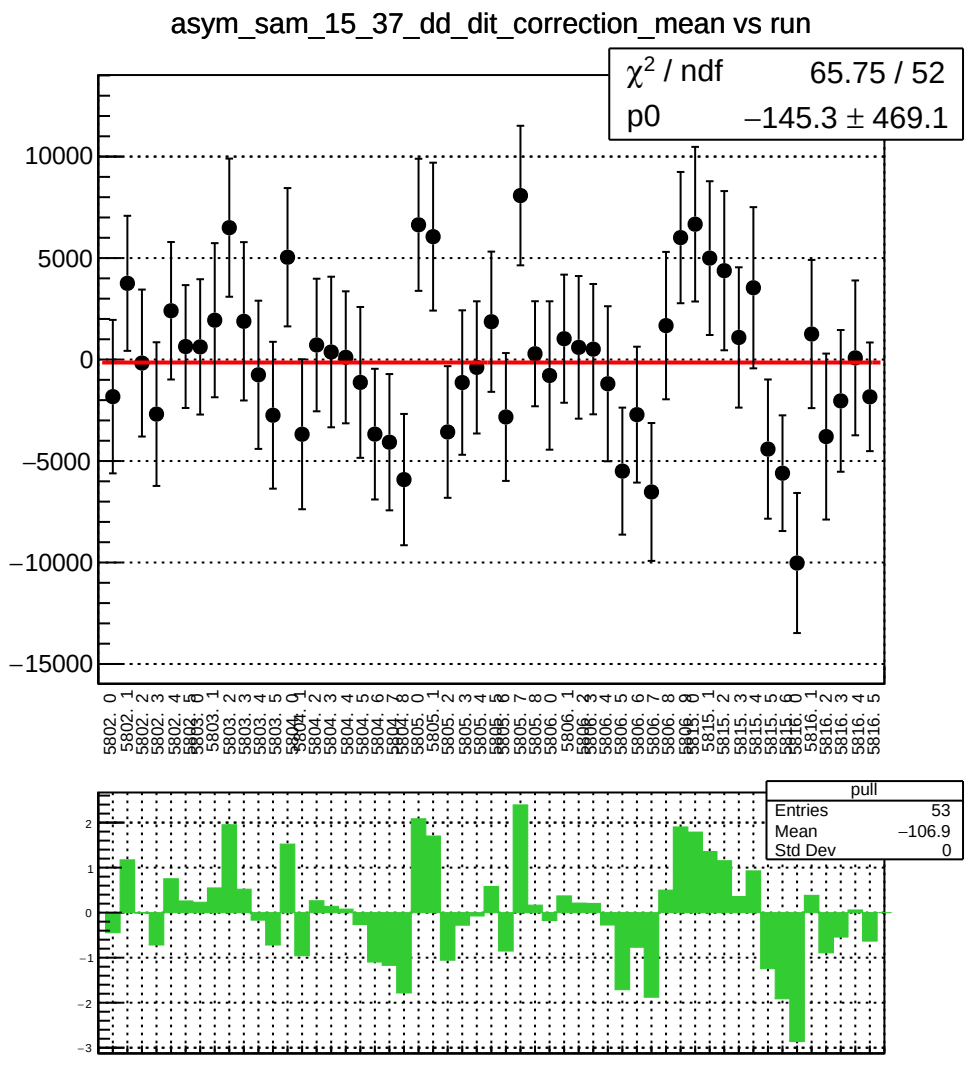

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.09 / 52
p0 −149.4 ± 493
pull
Entries 53
Mean −108.1
Std Dev 0

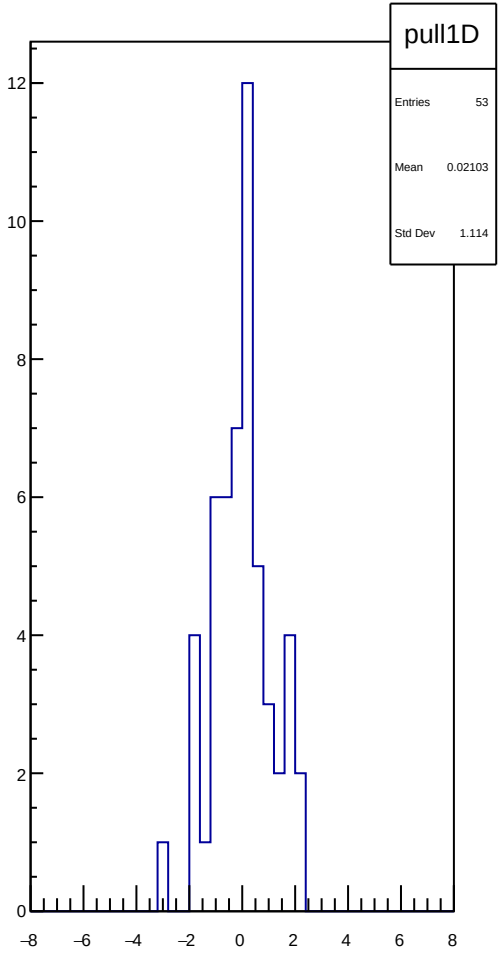

pull1D
Entries 53
Mean 0.02078
Std Dev 1.117

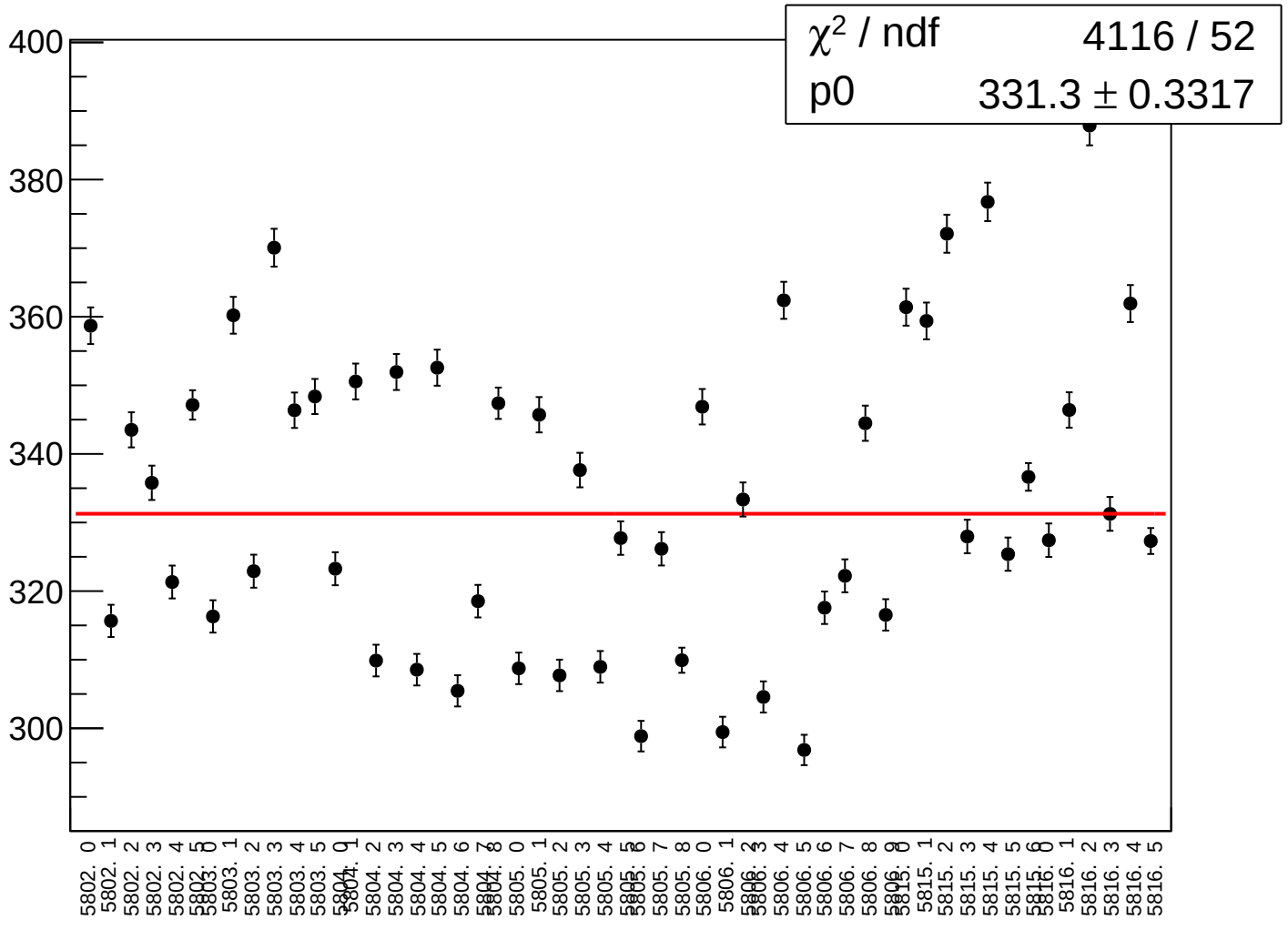

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5030 / 52
p0 348 ± 0.3486
400
380
360
340
320
300

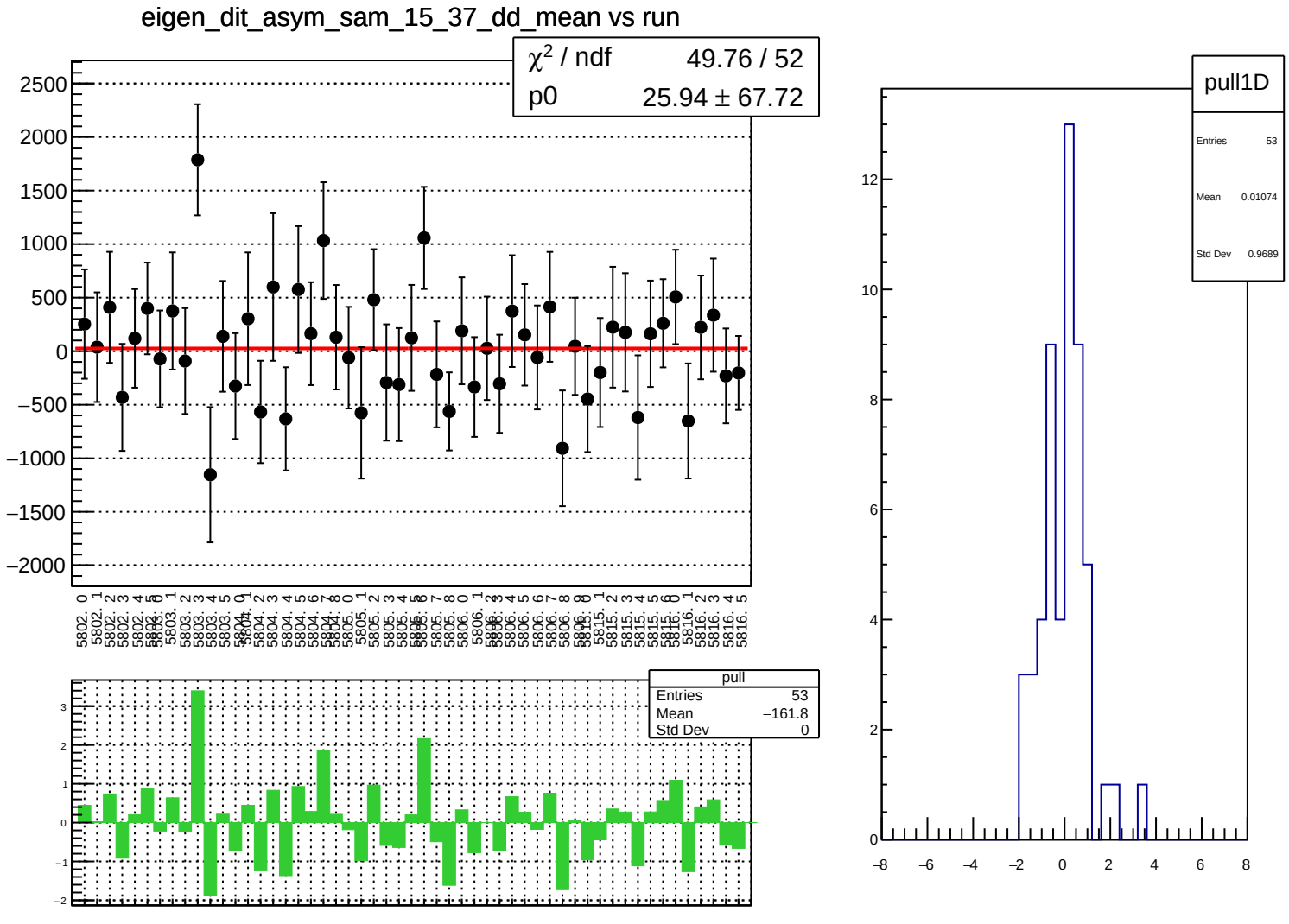

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 49.76 / 52
p0 25.94 ± 67.72
pull
Entries 53
Mean −161.8
Std Dev 0
pull1D
Entries 53
Mean 0.01074
Std Dev 0.9689

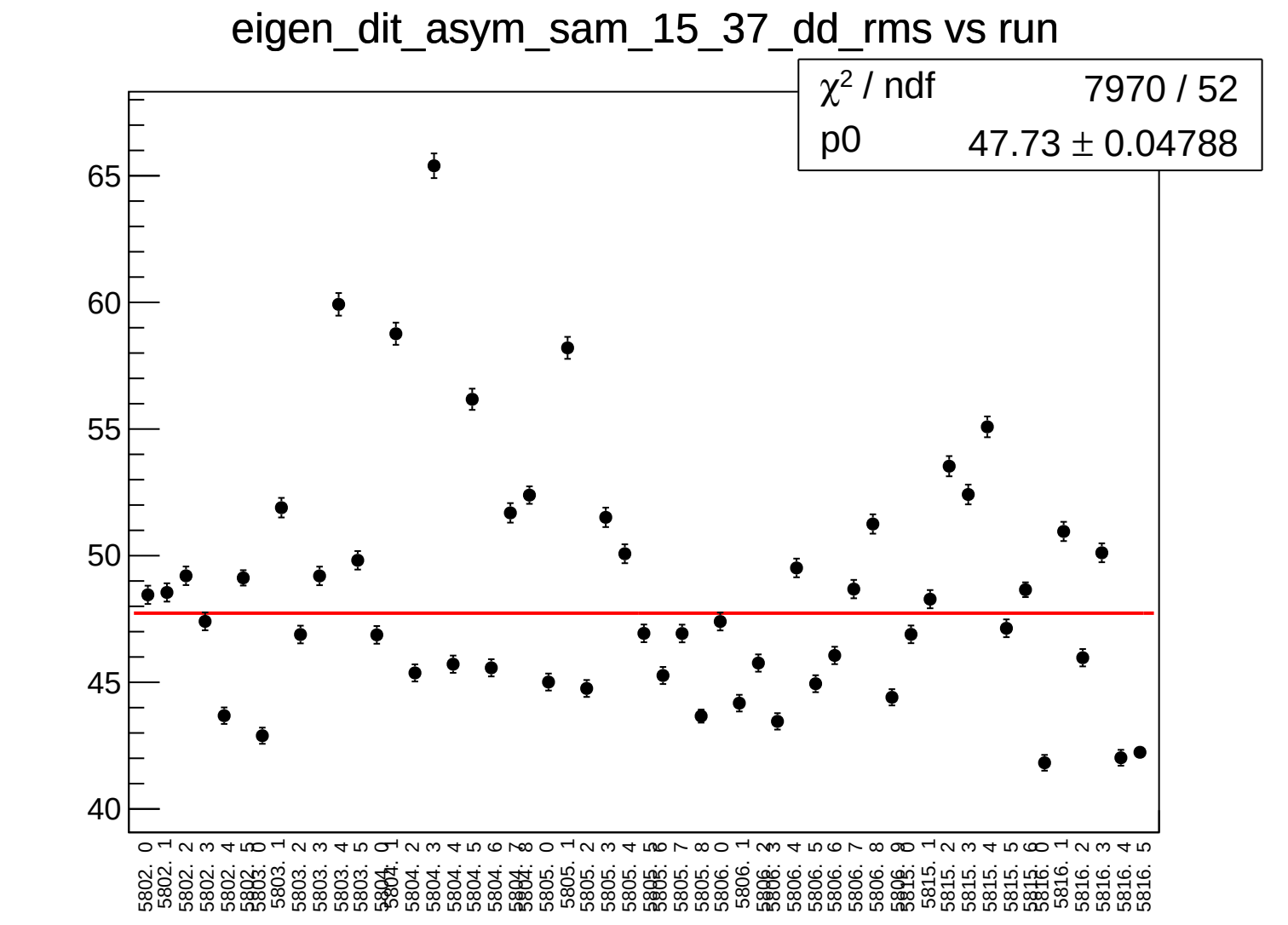

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 7970 / 52
p0 47.73 ± 0.04788
65
60
55
50
45
40

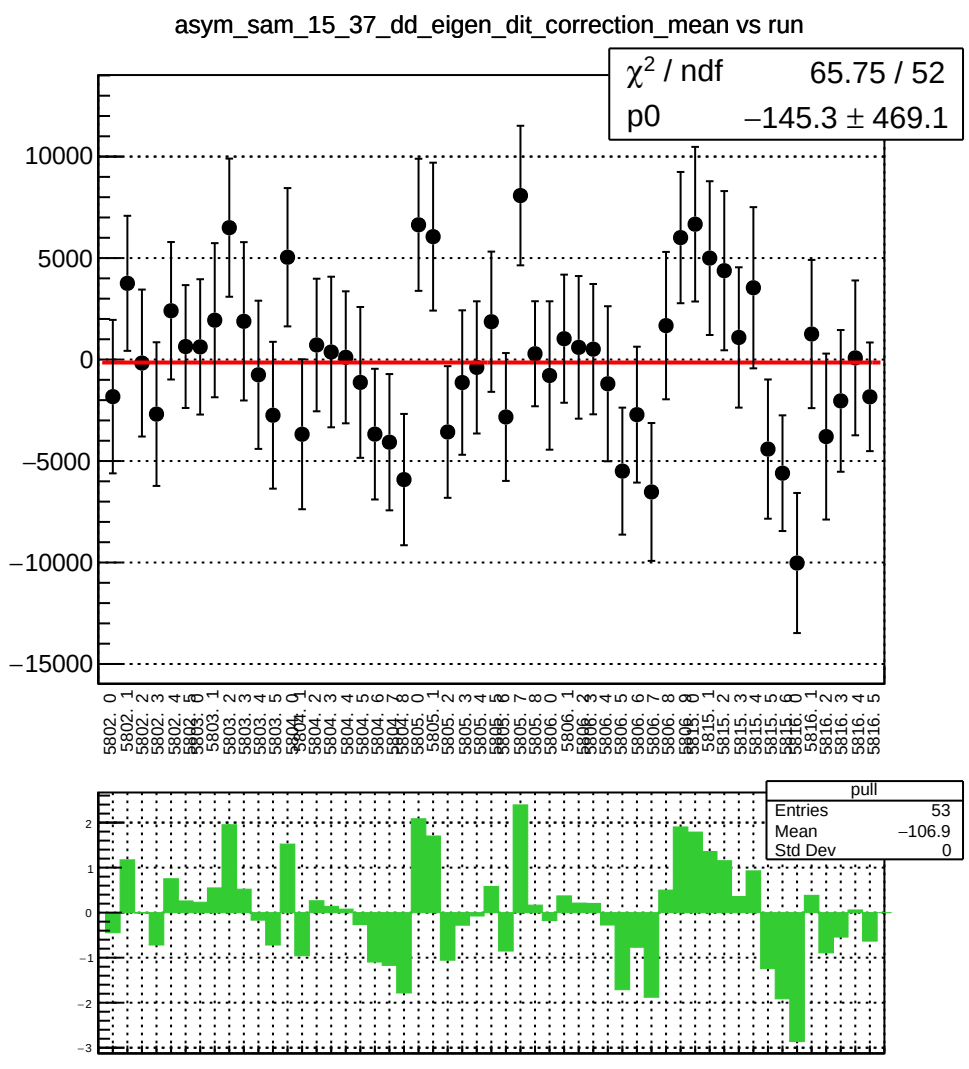

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 65.75 / 52
p0 −145.3 ± 469.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −106.9
Std Dev 0
2
1
0
−1
−2
−3

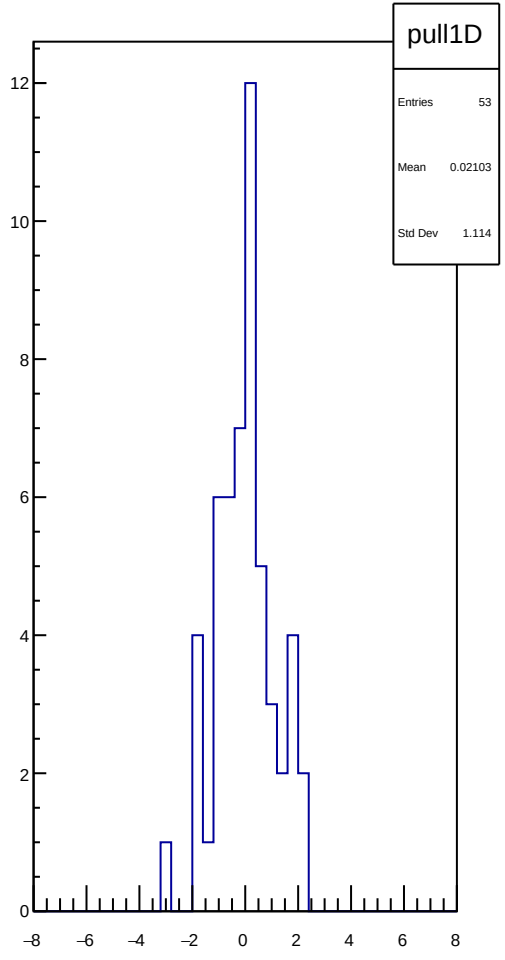

pull1D
Entries 53
Mean 0.02103
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

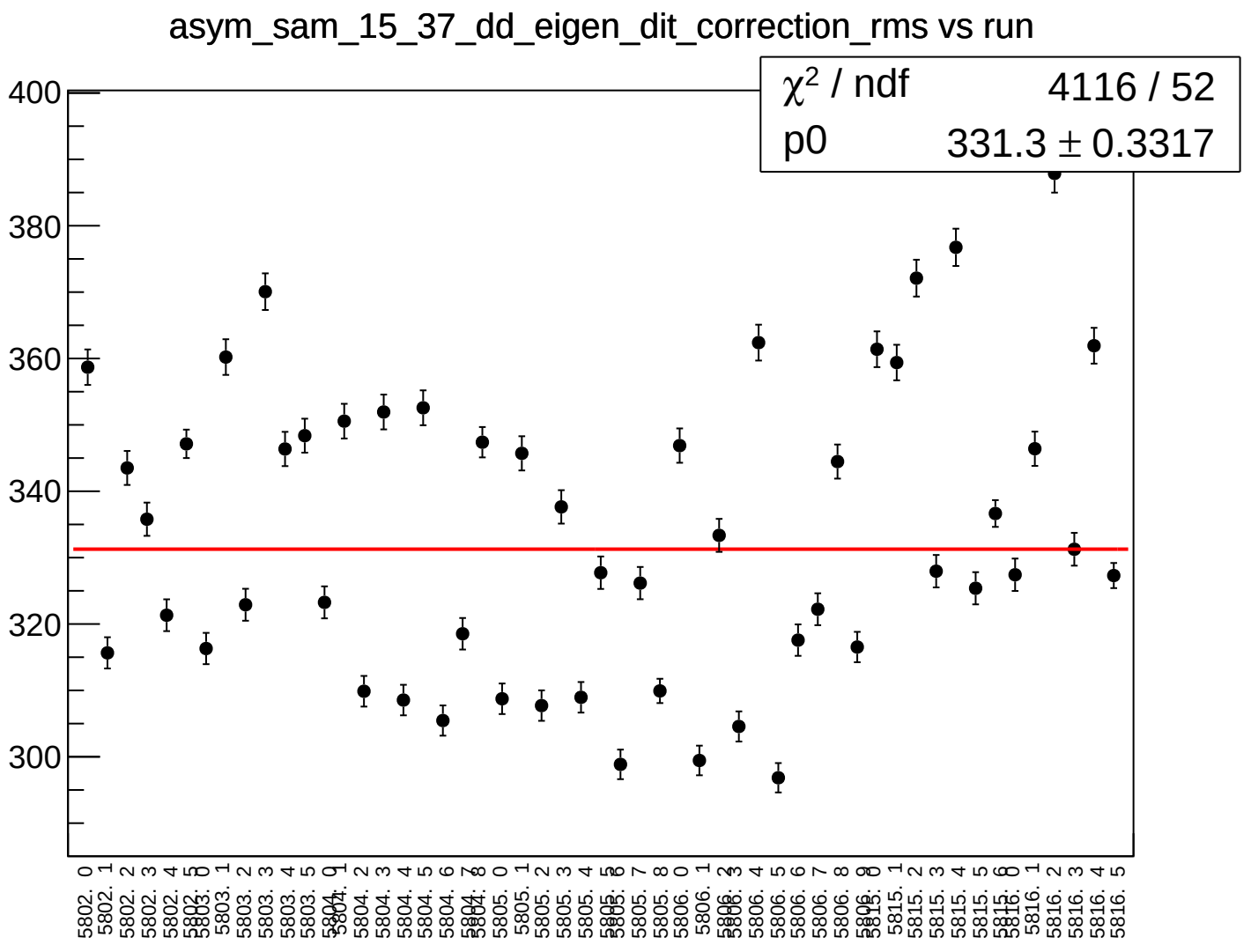

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4116 / 52
p0 331.3 ± 0.3317
400
380
360
340
320
300

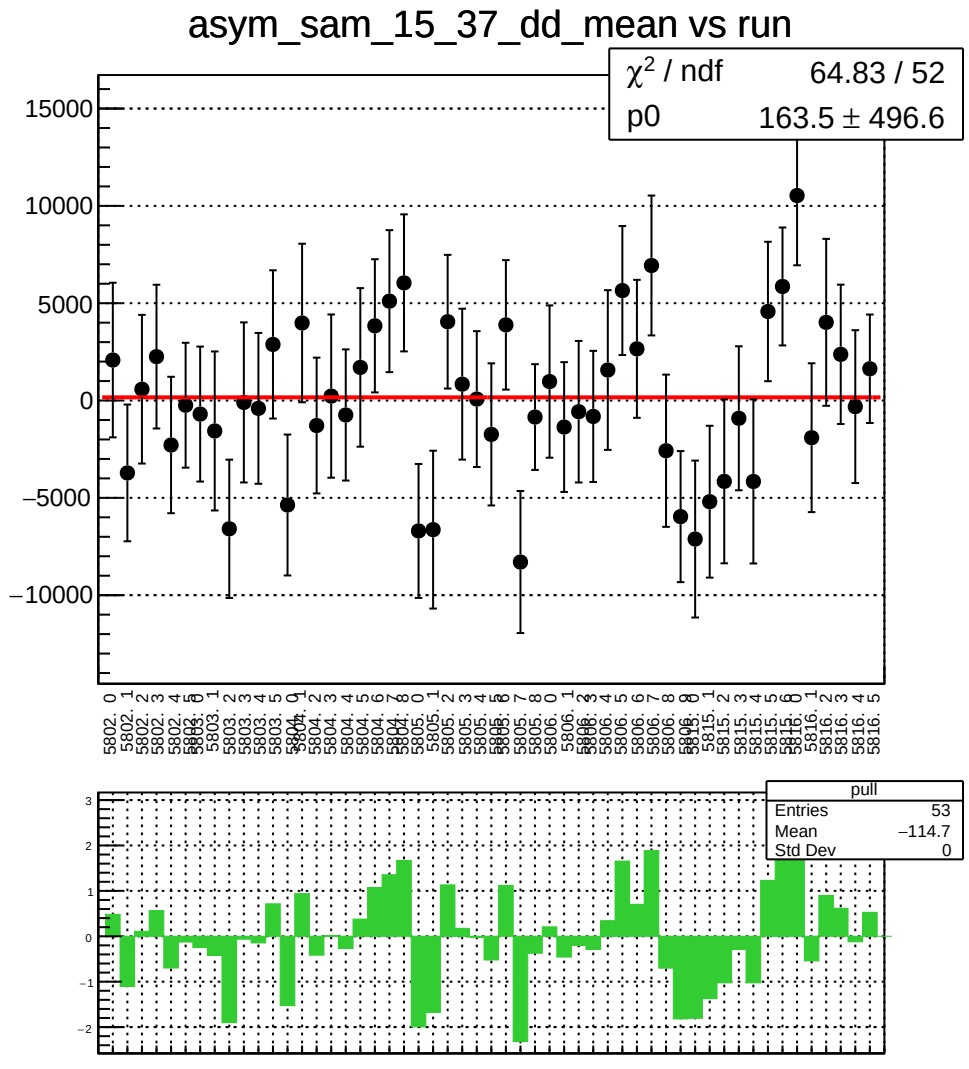

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 49.76 / 52
p0 25.94 ± 67.72
pull
Entries 53
Mean −161.8
Std Dev 0
pull1D
Entries 53
Mean 0.01074
Std Dev 0.9689

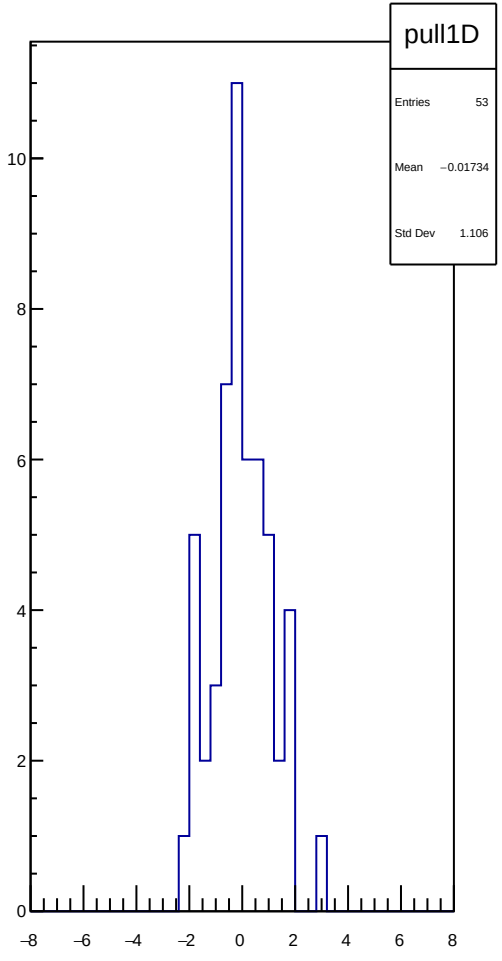

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 7970 / 52
p0 47.73 ± 0.04788
65
60
55
50
45
40
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

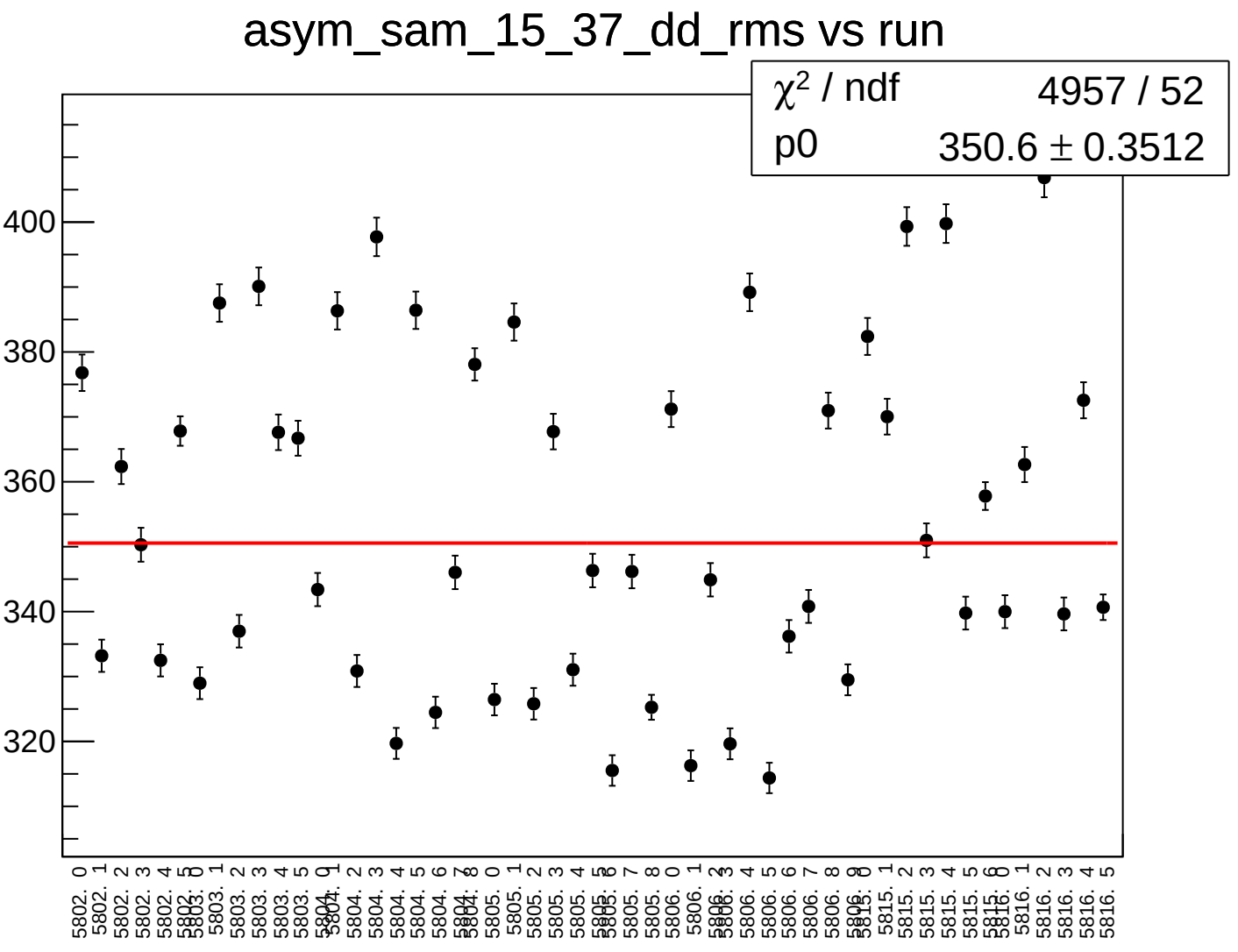

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.75 / 52
p0 −145.3 ± 469.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −106.9
Std Dev 0
2
1
0
−1
−2
−3

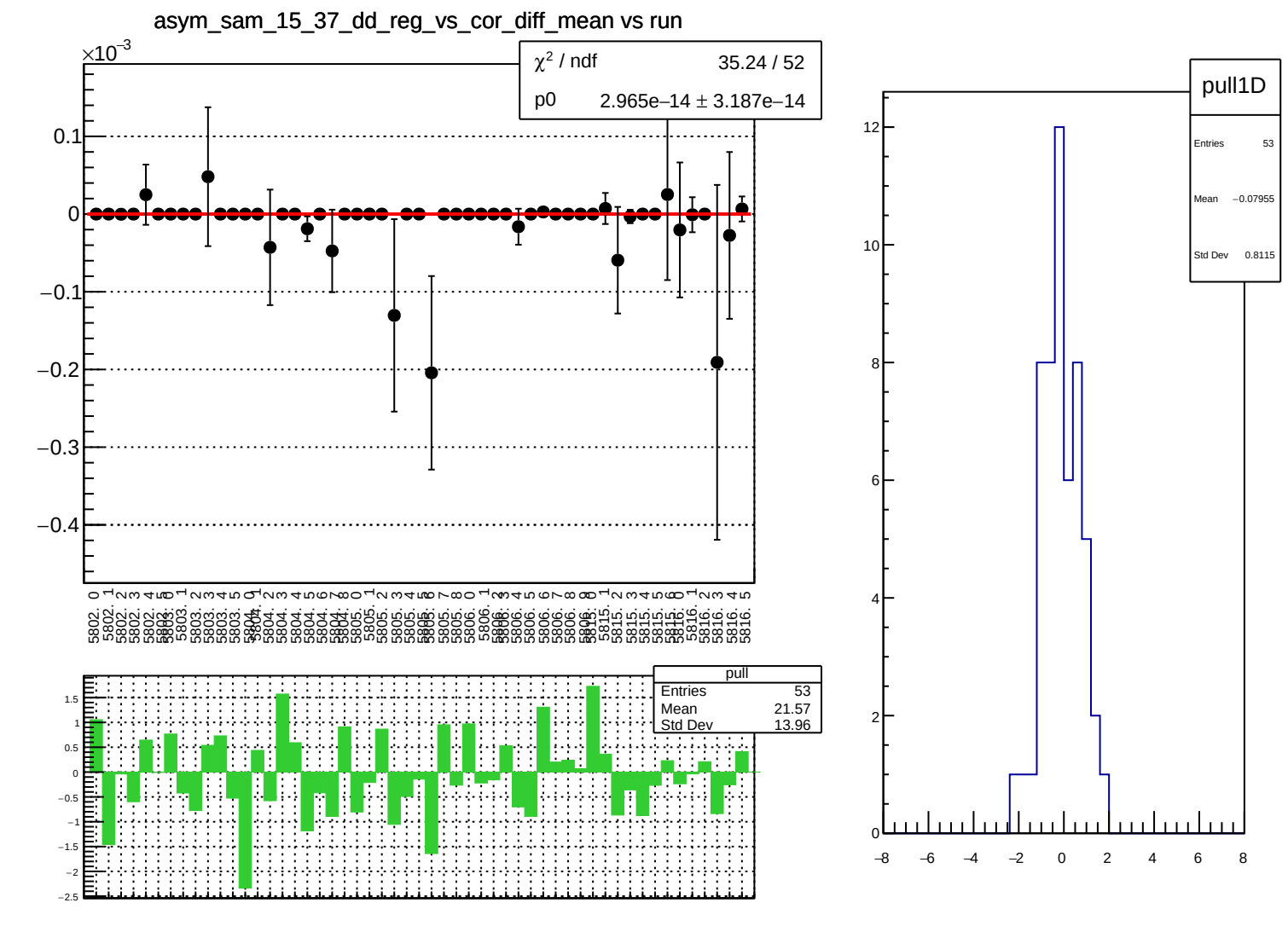

pull1D
Entries 53
Mean 0.02103
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

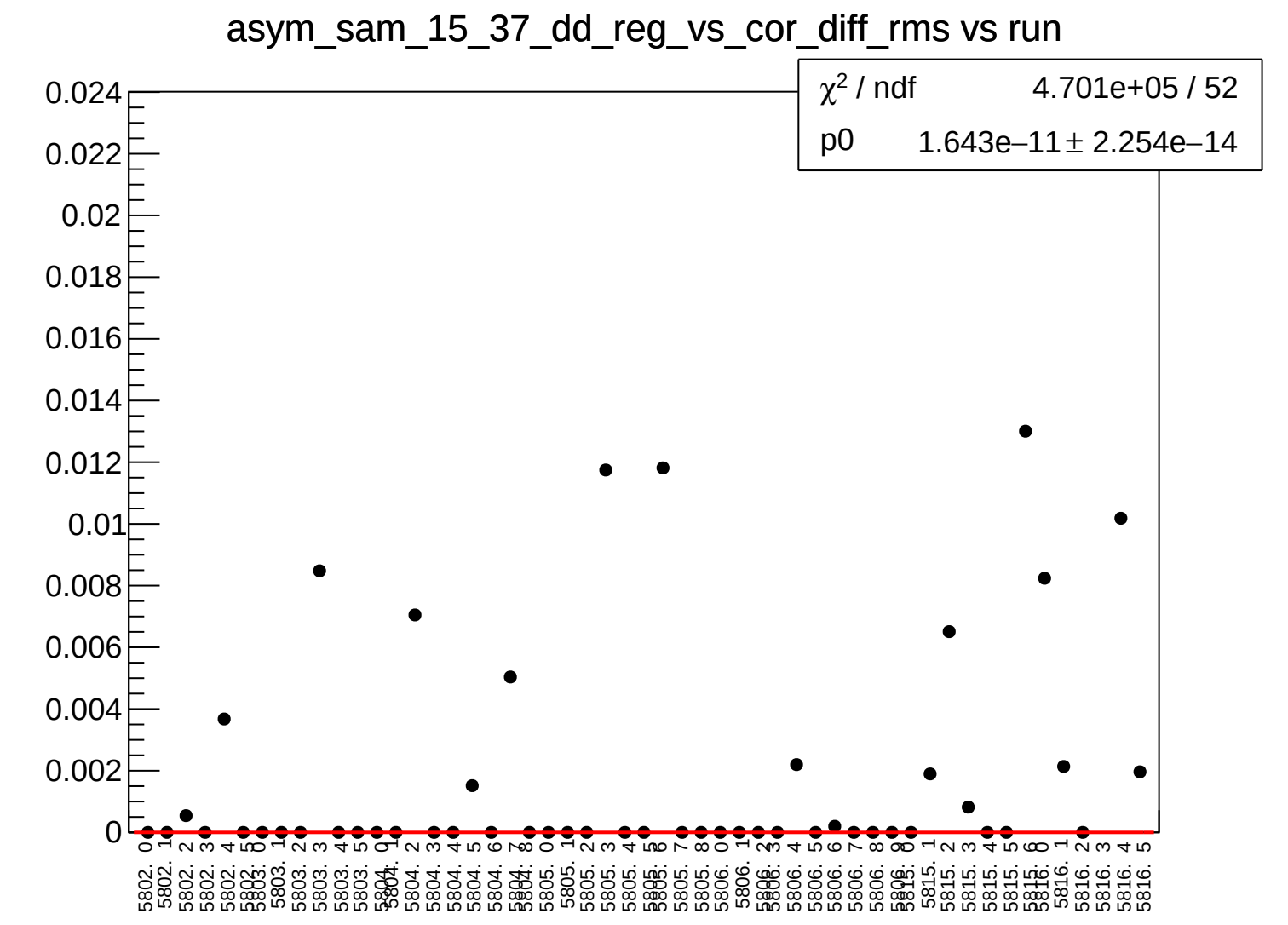

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4116 / 52
p0 331.3 ± 0.3317
400
380
360
340
320
300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

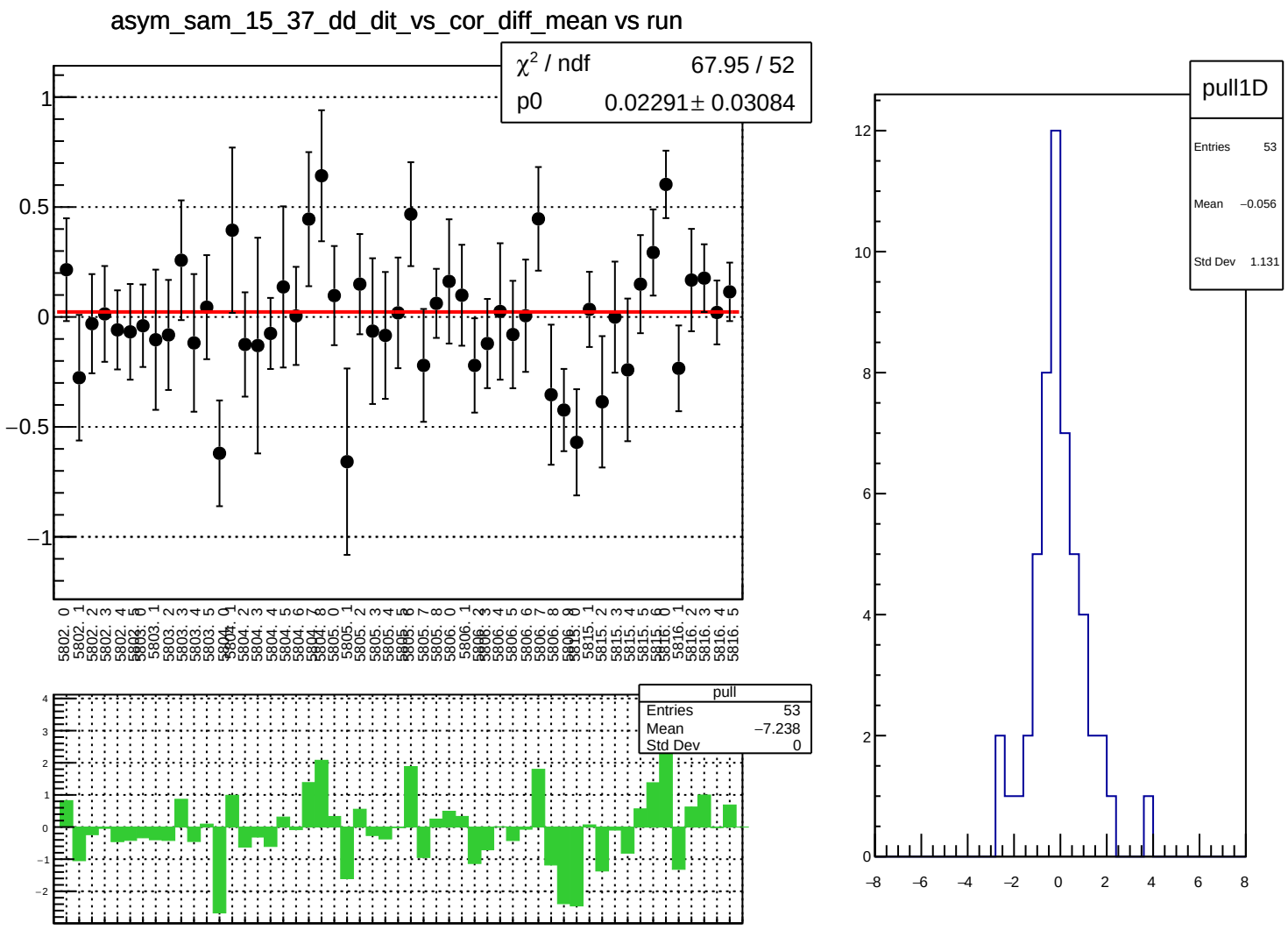

asym_sam_15_37_dd_mean vs run
χ² / ndf 64.83 / 52
p0 163.5 ± 496.6
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −114.7
Std Dev 0
3
2
1
0
−1
−2

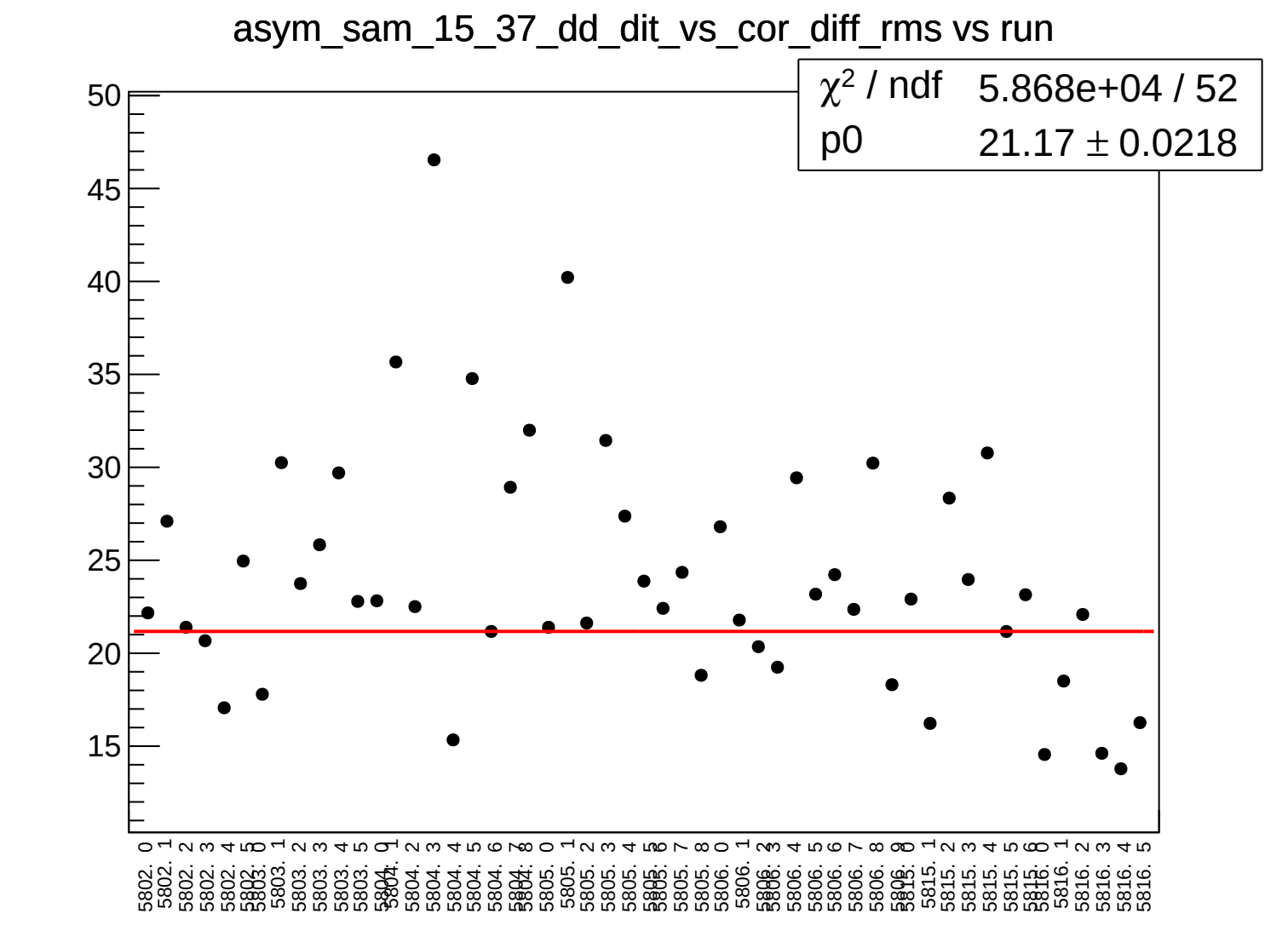

pull1D
Entries 53
Mean −0.01734
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

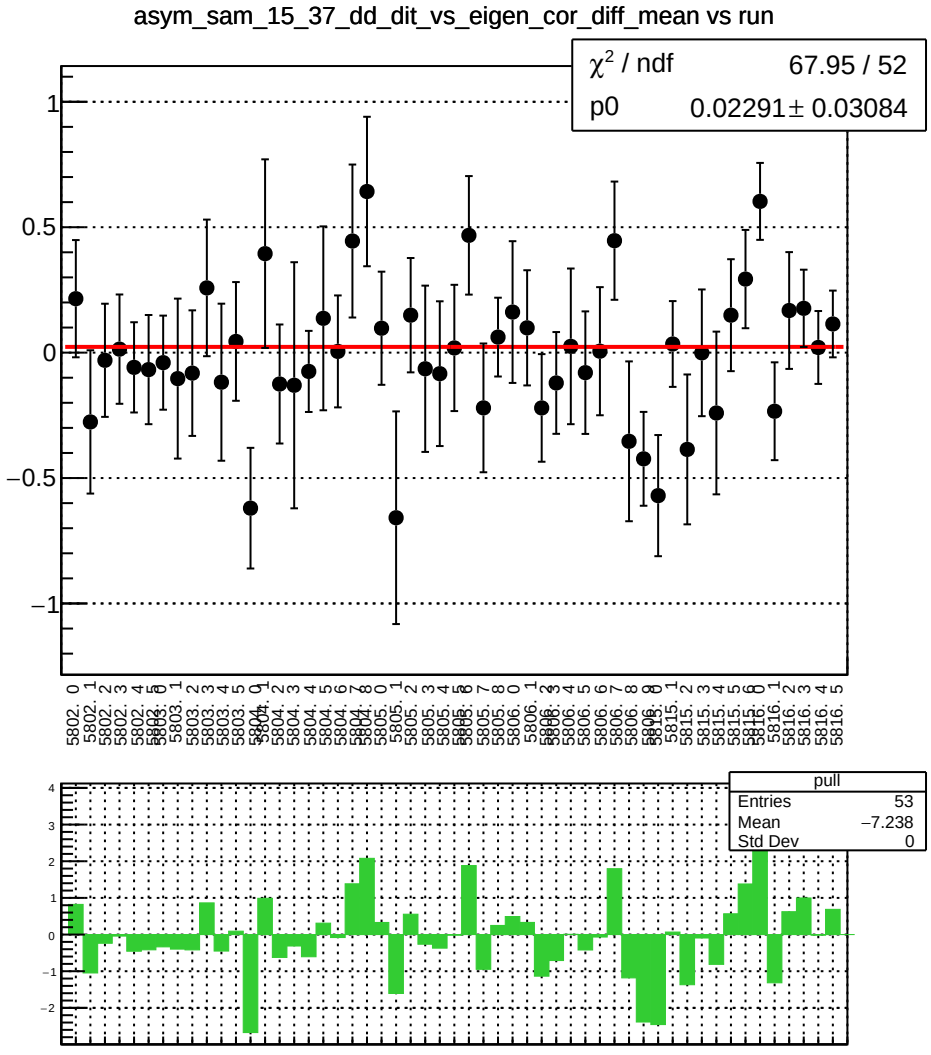

asym_sam_15_37_dd_rms vs run
χ² / ndf 4957 / 52
p0 350.6 ± 0.3512
400
380
360
340
320

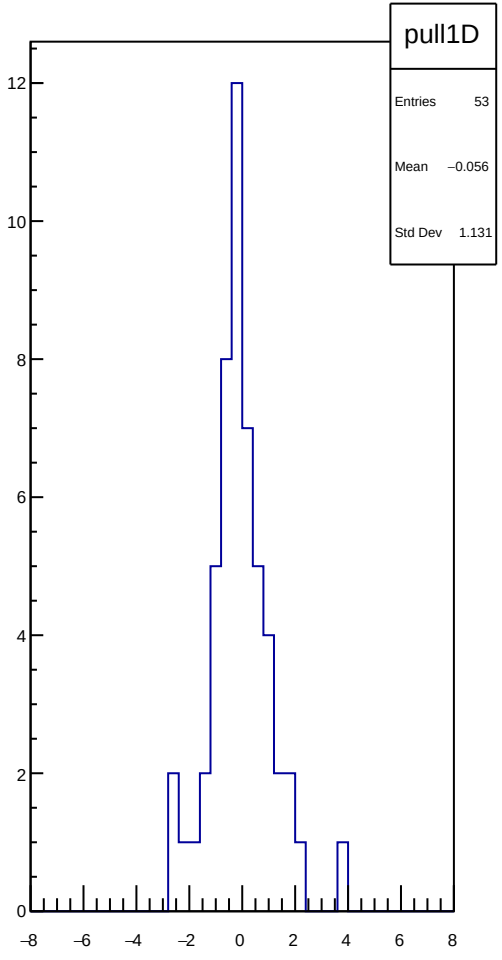

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 35.24 / 52
p0 2.965e−14 ± 3.187e−14
0.1
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 53
Mean 21.57
Std Dev 13.96
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 53
Mean −0.07955
Std Dev 0.8115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

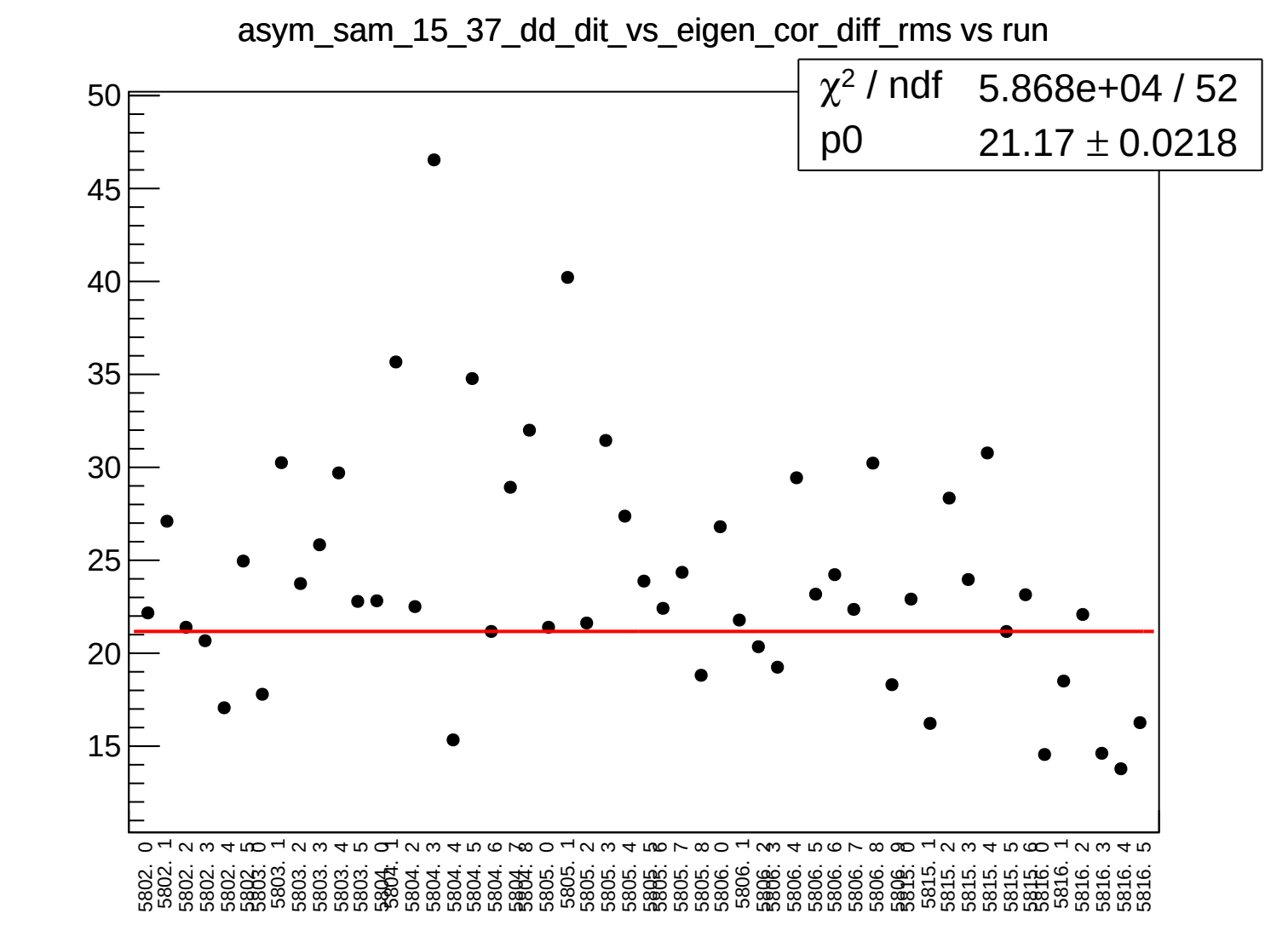

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.701e+05 / 52
p0 1.643e−11 ± 2.254e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

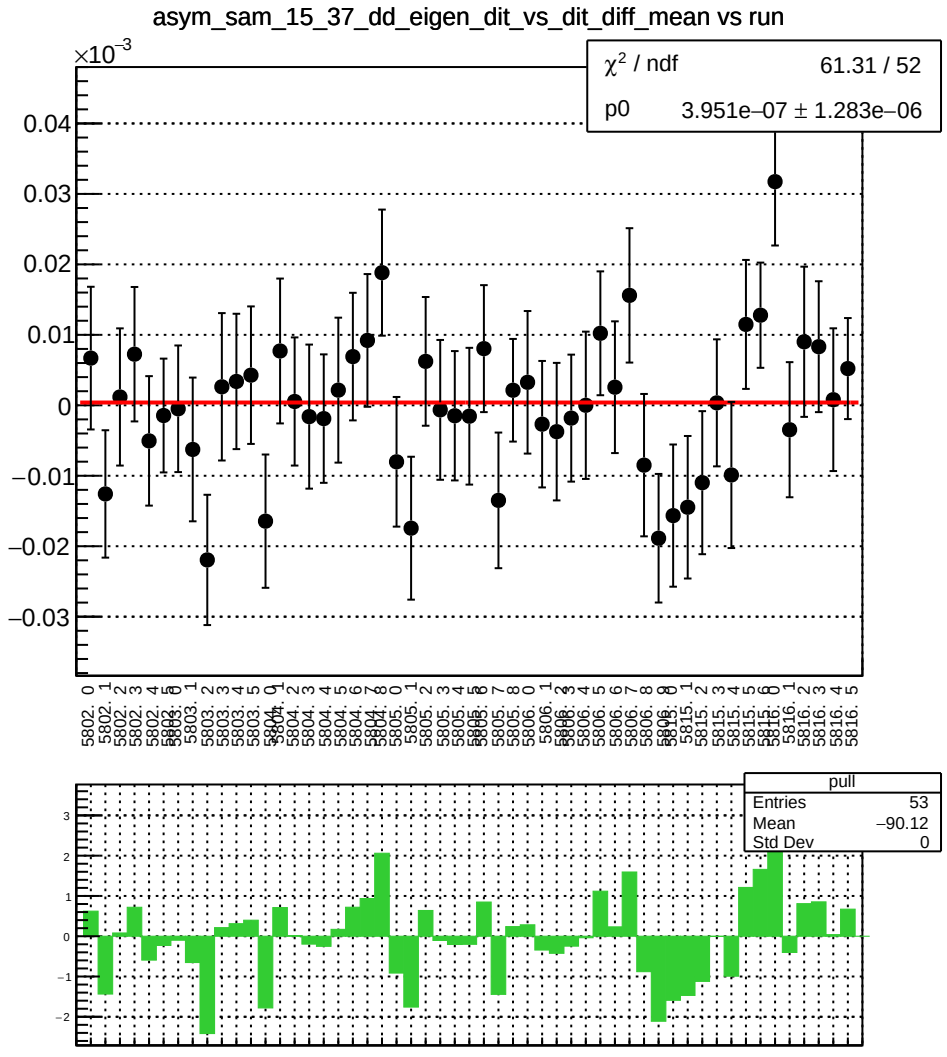

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.95 / 52
p0 0.02291 ± 0.03084
pull
Entries 53
Mean −7.238
Std Dev 0
pull1D
Entries 53
Mean −0.056
Std Dev 1.131

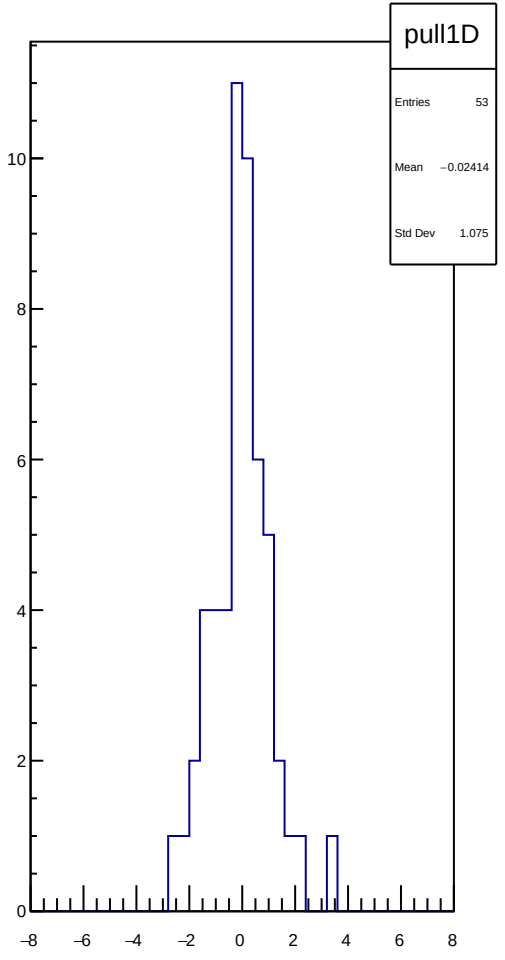

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.868e+04 / 52
p0 21.17 ± 0.0218
50
45
40
35
30
25
20
15

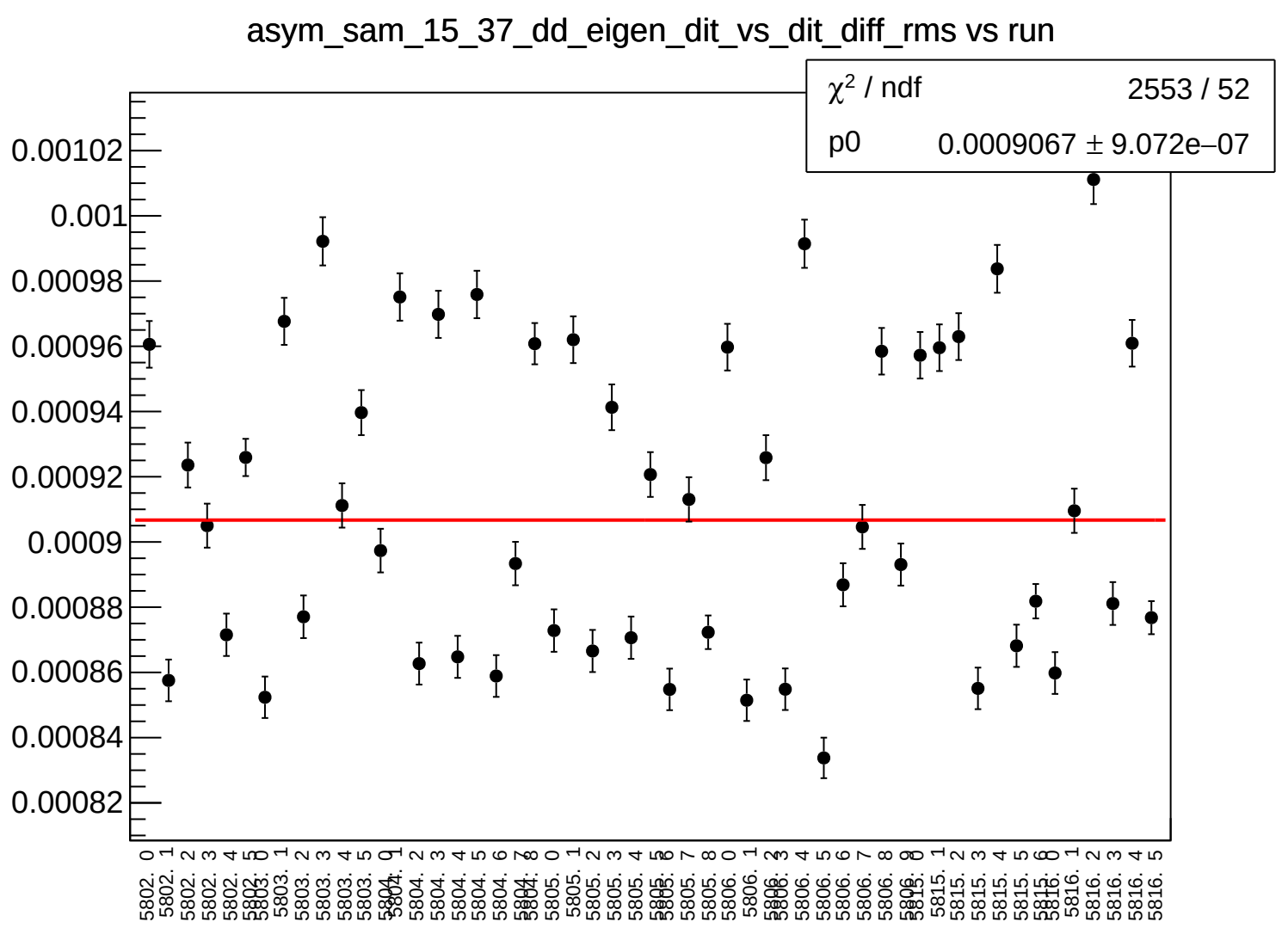

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.95 / 52
p0 0.02291 ± 0.03084
pull
Entries 53
Mean −7.238
Std Dev 0

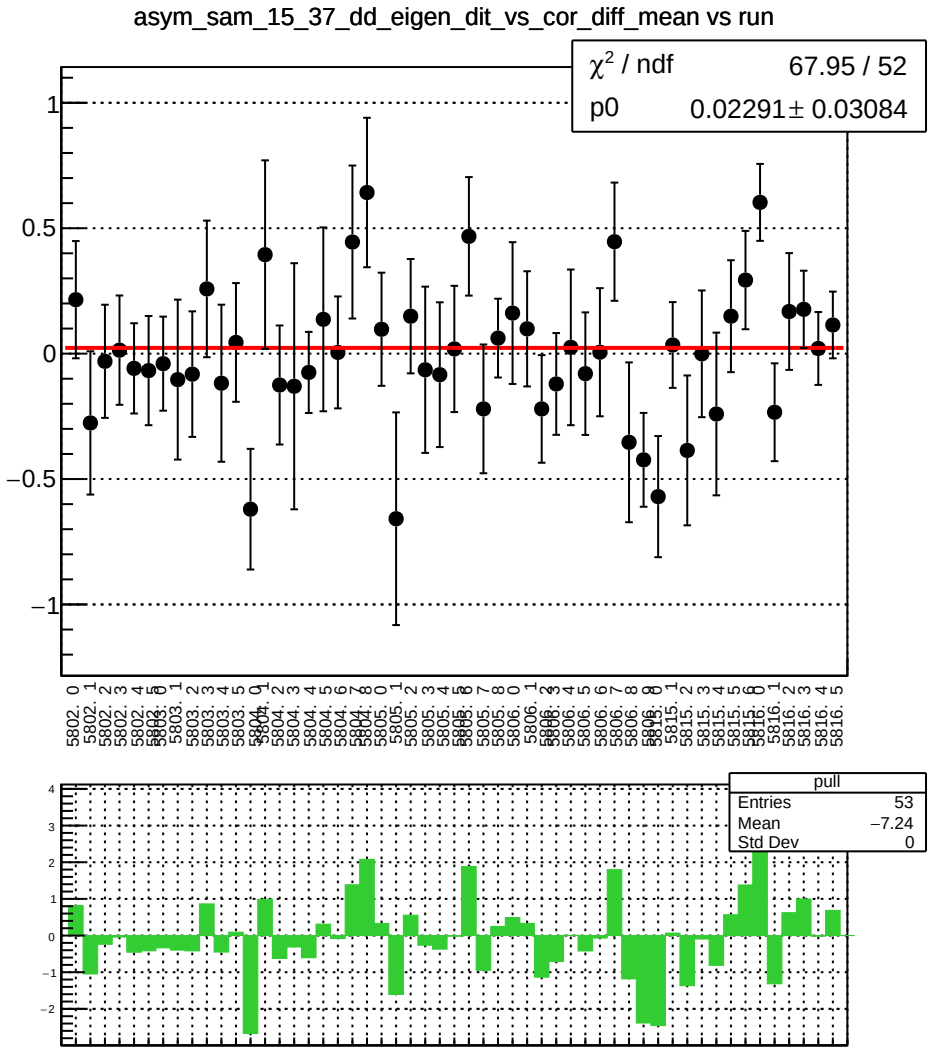

pull1D
Entries 53
Mean −0.056
Std Dev 1.131

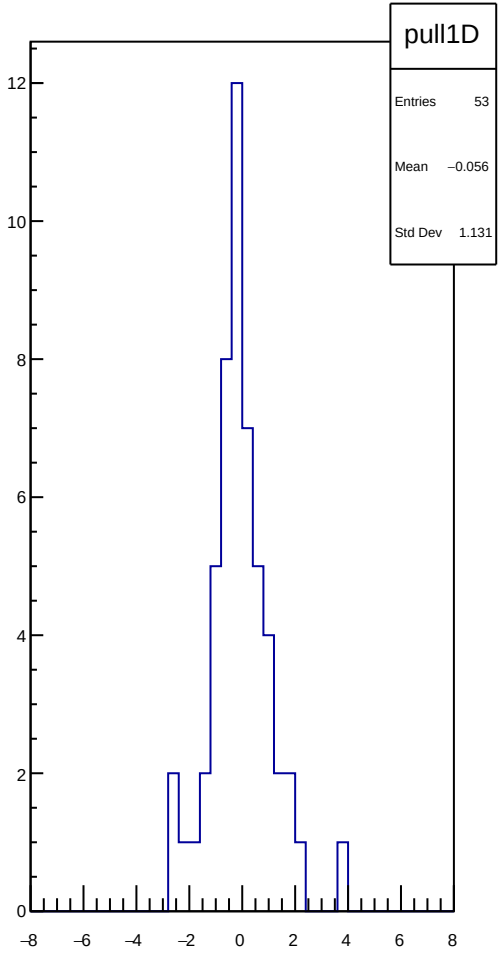

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.868e+04 / 52
p0 21.17 ± 0.0218
50
45
40
35
30
25
20
15

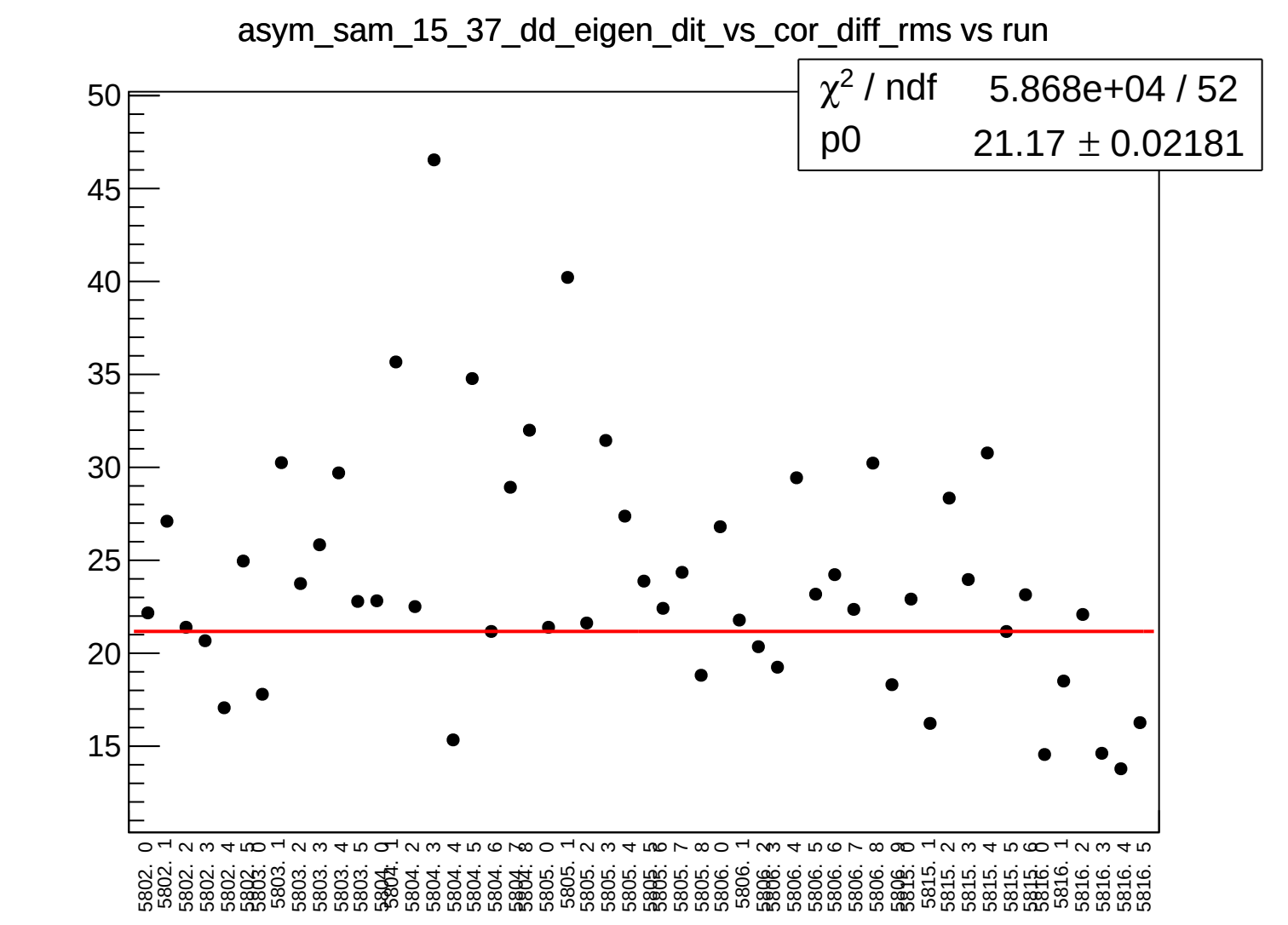

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.31 / 52
p0 3.951e−07 ± 1.283e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 53
Mean −90.12
Std Dev 0
3
2
1
0
−1
−2

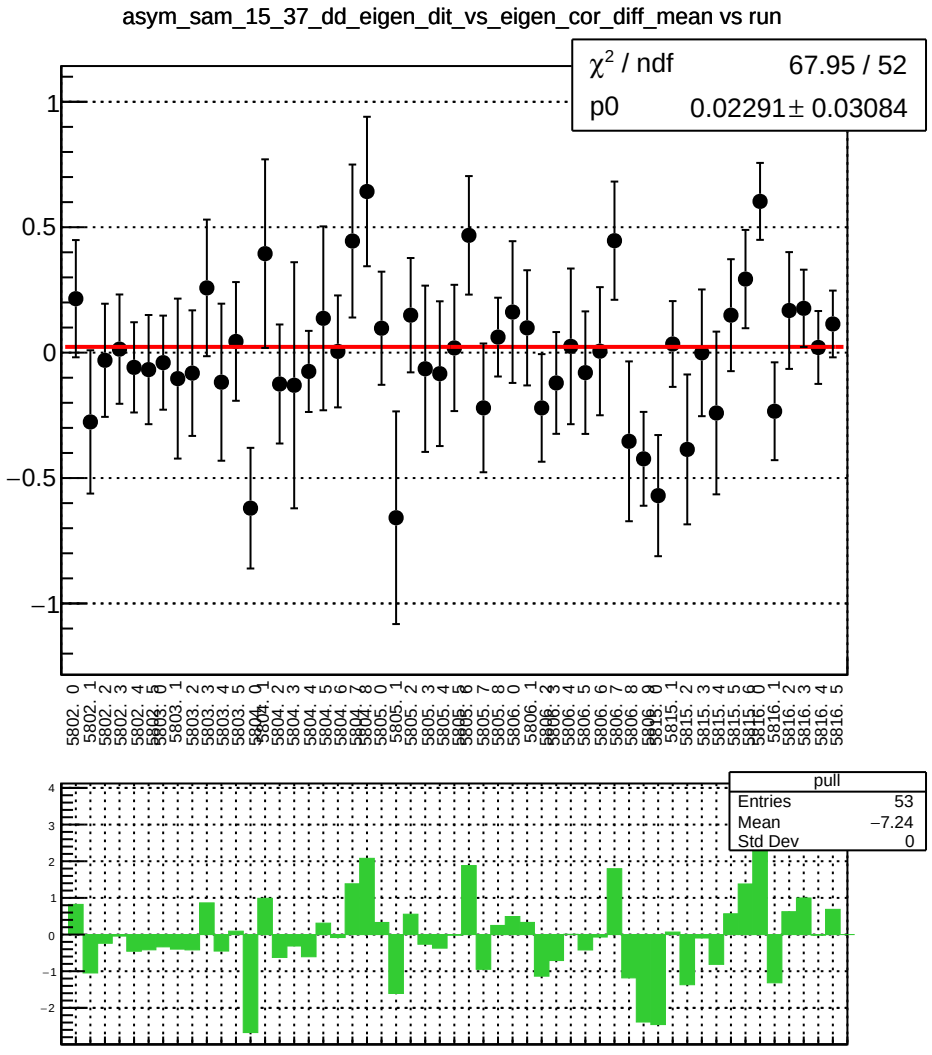

pull1D
Entries 53
Mean −0.02414
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

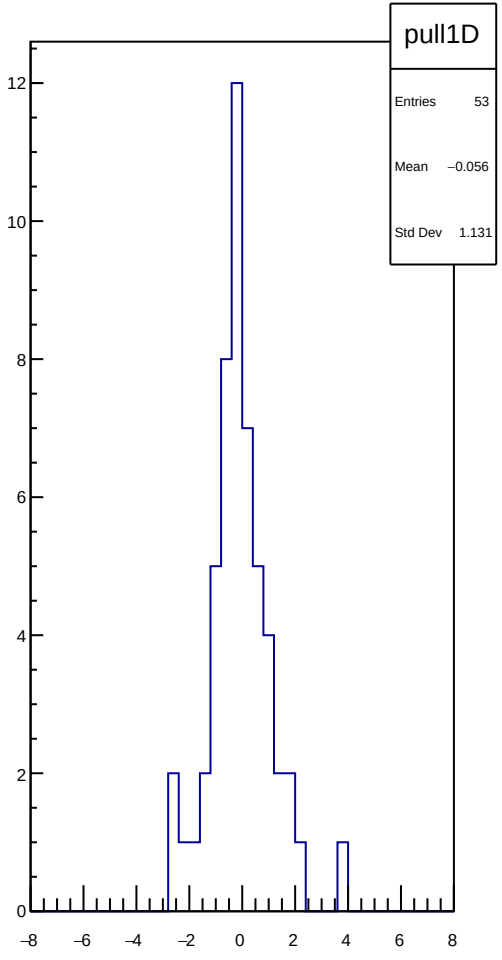

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2553 / 52
p0 0.0009067 ± 9.072e−07
0.00102
0.001
0.00098
0.00096
0.00094
0.00092
0.0009
0.00088
0.00086
0.00084
0.00082
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 5
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

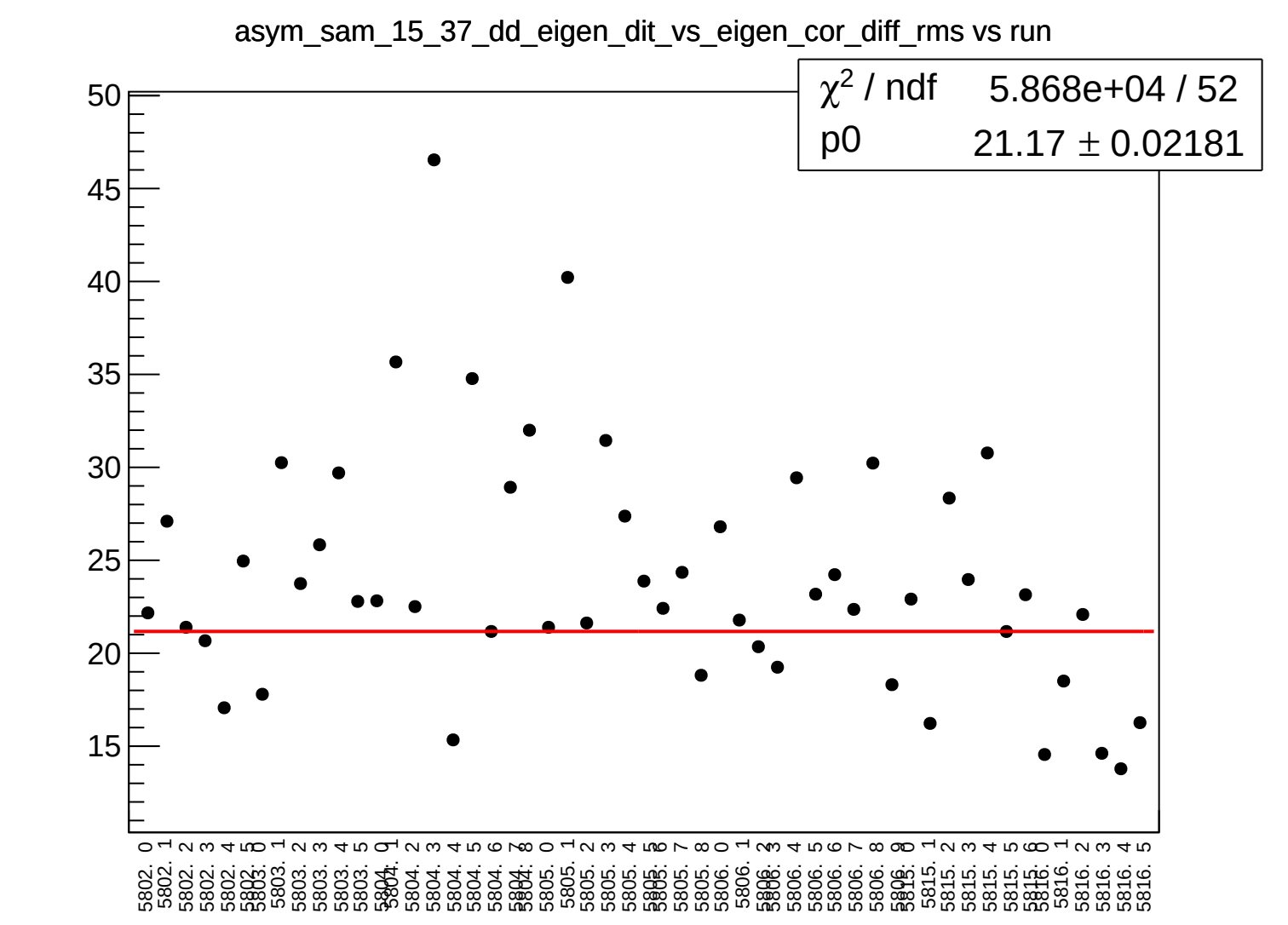

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.95 / 52
p0 0.02291 ± 0.03084
pull
Entries 53
Mean −7.24
Std Dev 0

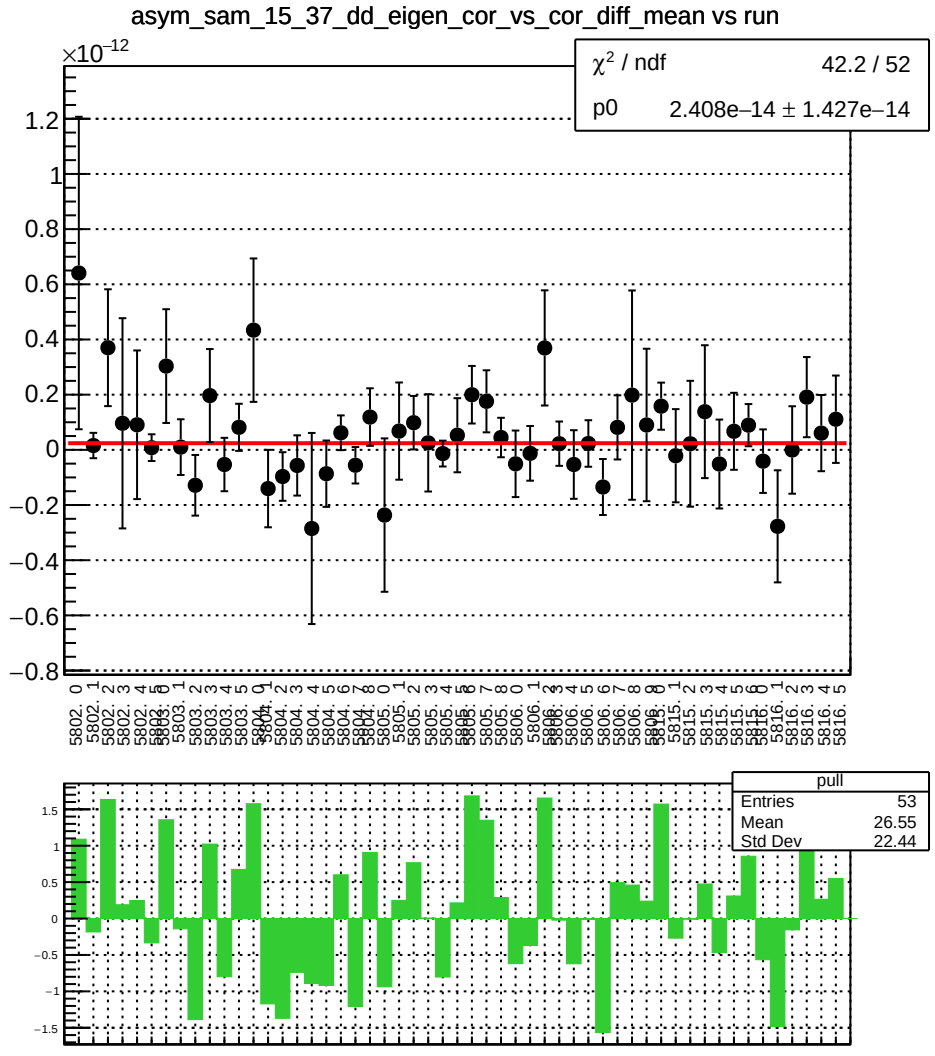

pull1D
Entries 53
Mean −0.056
Std Dev 1.131

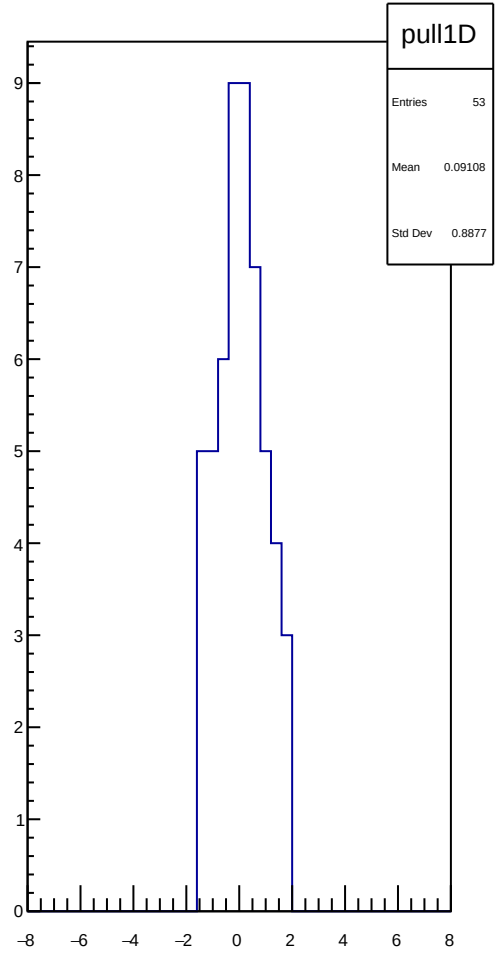

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.868e+04 / 52
p0 21.17 ± 0.02181
50
45
40
35
30
25
20
15

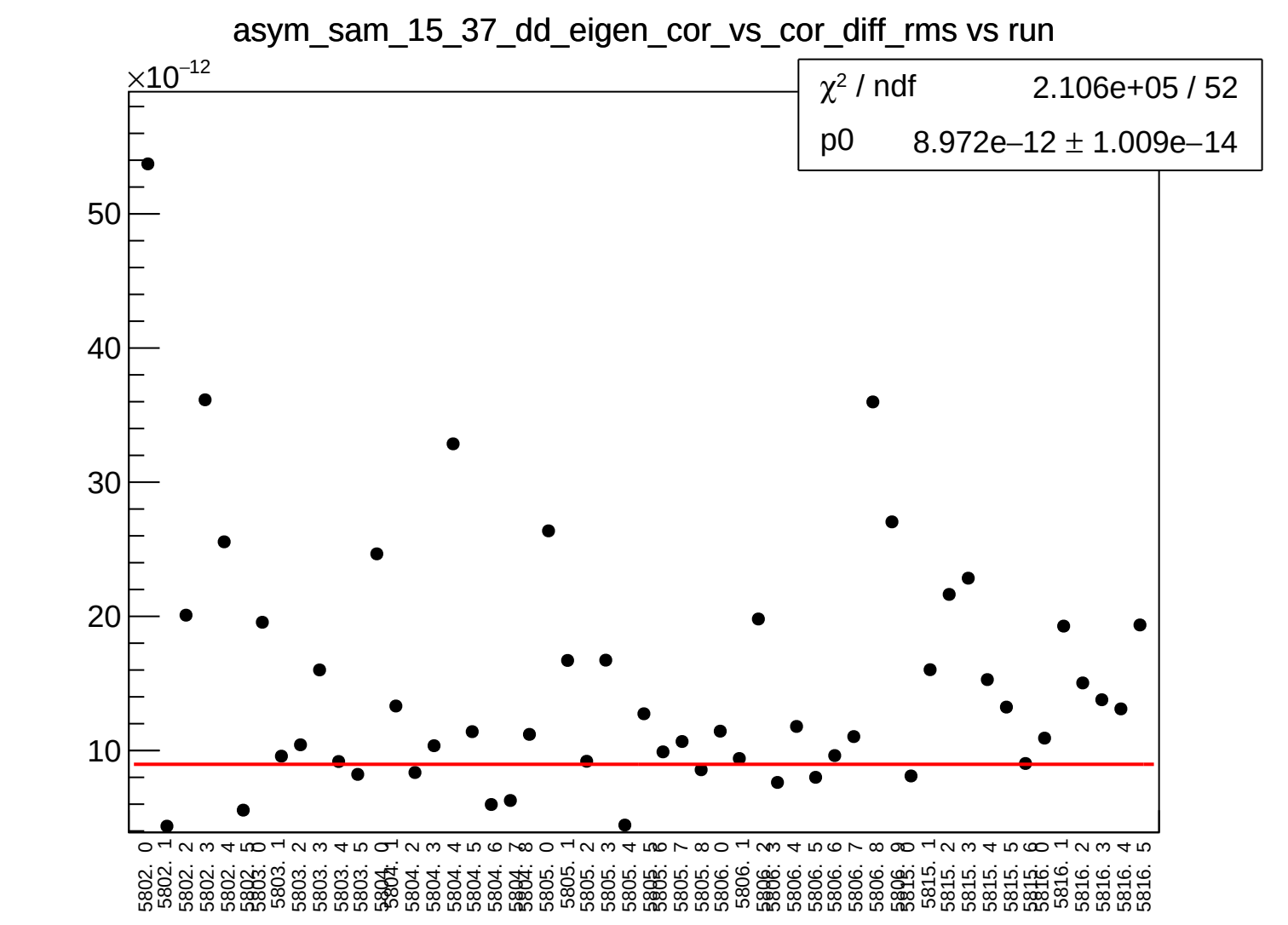

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.95 / 52
p0 0.02291 ± 0.03084
pull
Entries 53
Mean −7.24
Std Dev 0

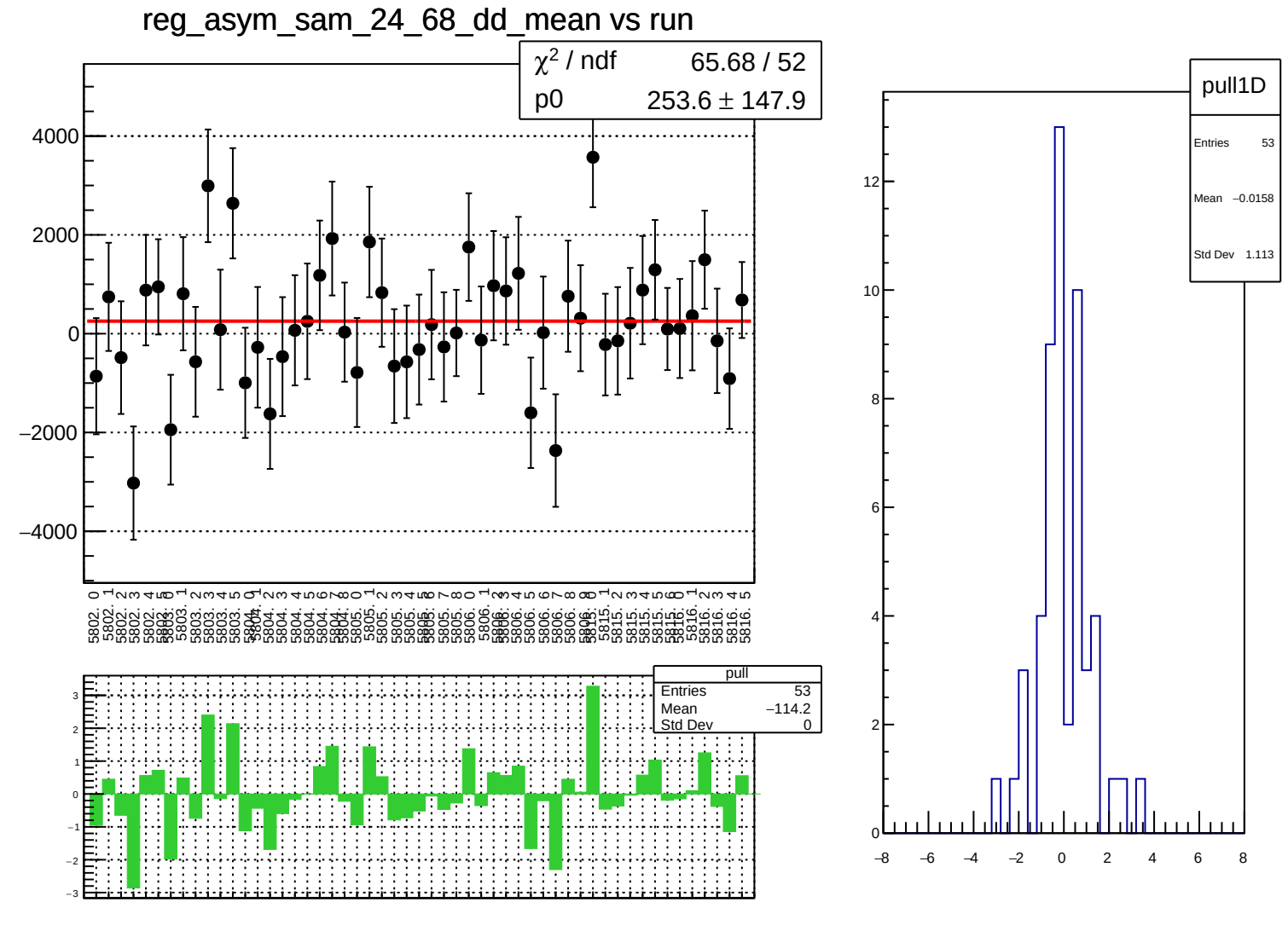

pull1D
Entries 53
Mean −0.056
Std Dev 1.131

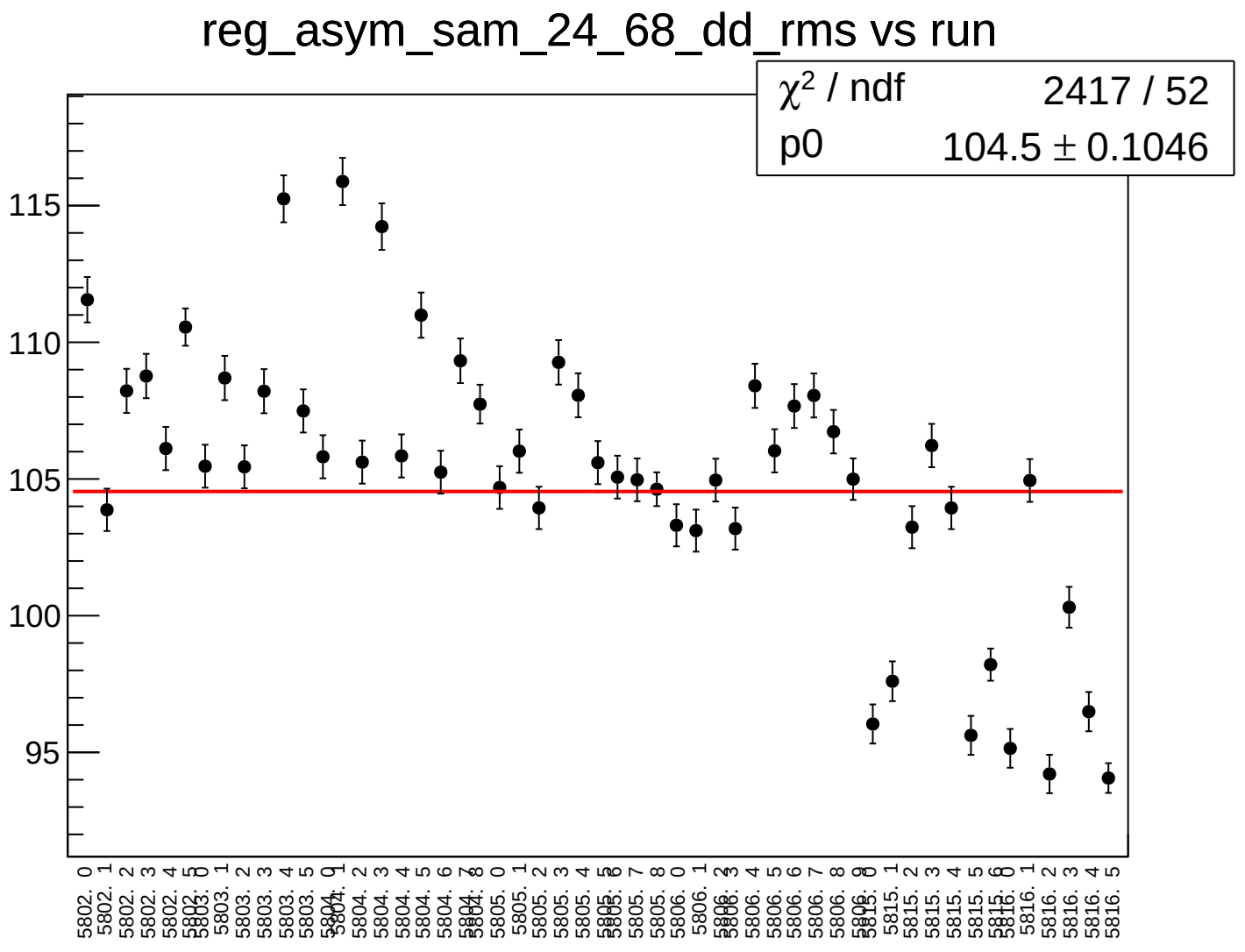

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.868e+04 / 52
p0 21.17 ± 0.02181
50
45
40
35
30
25
20
15

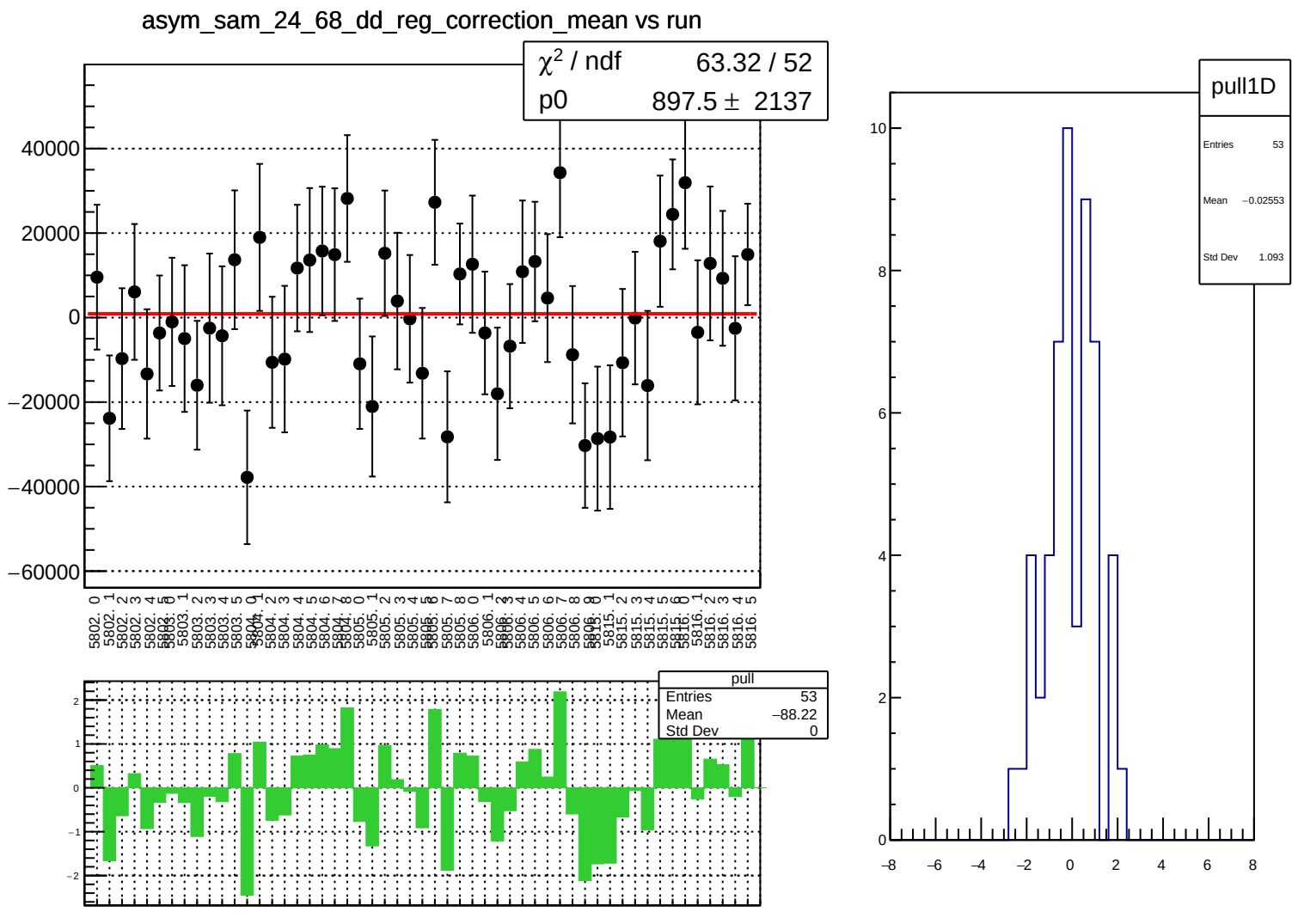

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.2 / 52
p0 2.408e−14 ± 1.427e−14
pull
Entries 53
Mean 26.55
Std Dev 22.44

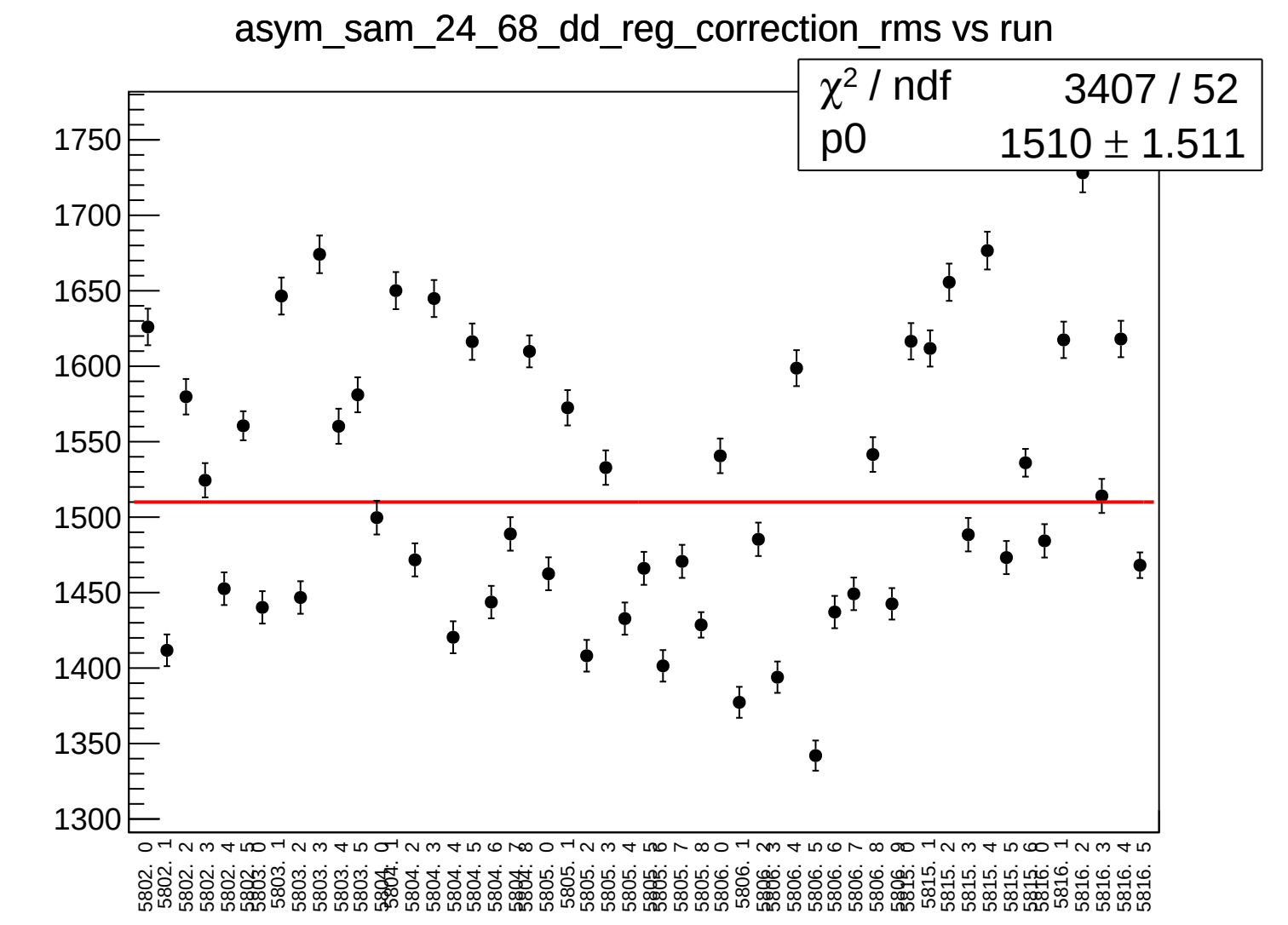

pull1D
Entries 53
Mean 0.09108
Std Dev 0.8877

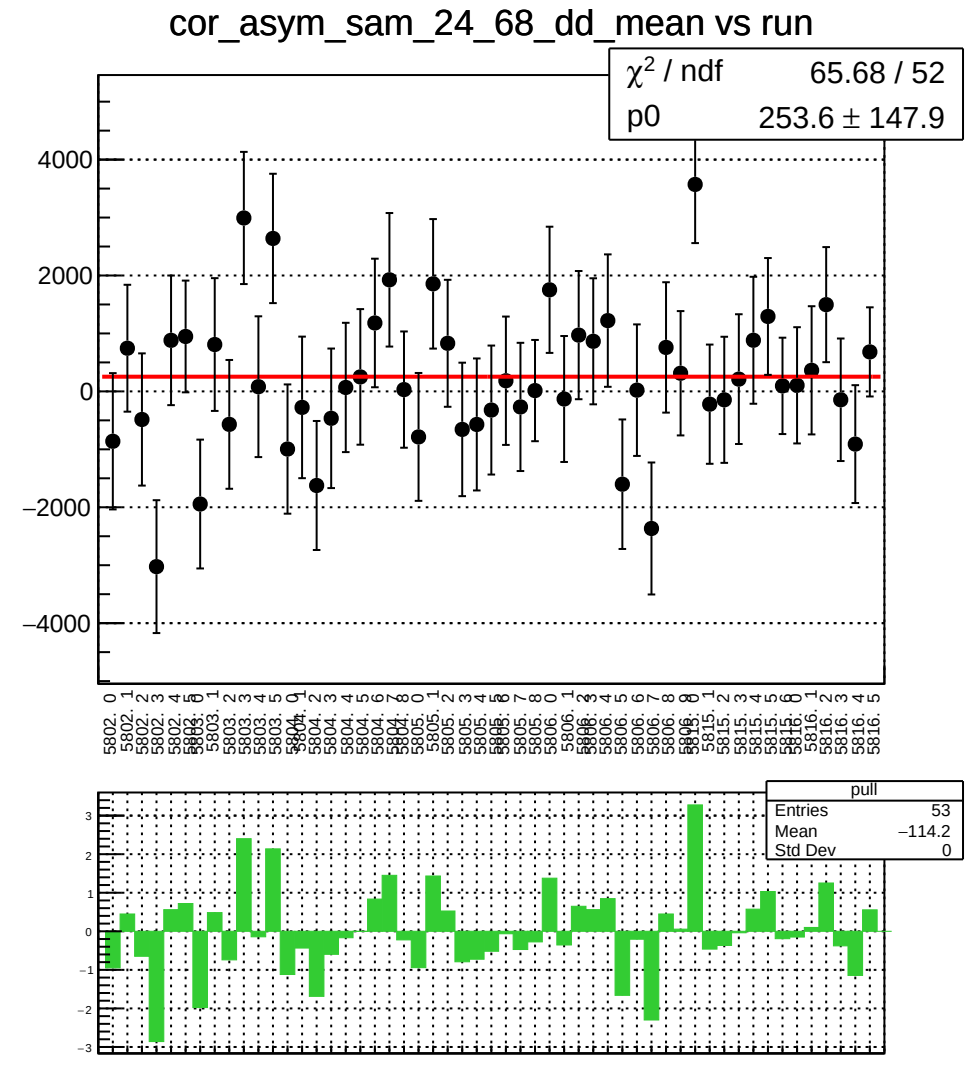

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.106e+05 / 52
p0 8.972e−12 ± 1.009e−14
50
40
30
20
10

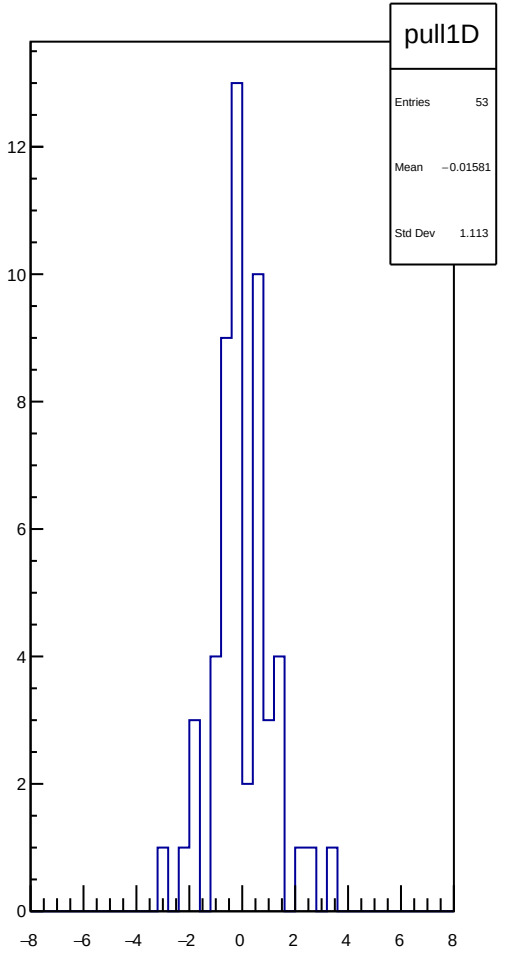

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.68 / 52
p0 253.6 ± 147.9
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −114.2
Std Dev 0
pull1D
Entries 53
Mean −0.0158
Std Dev 1.113

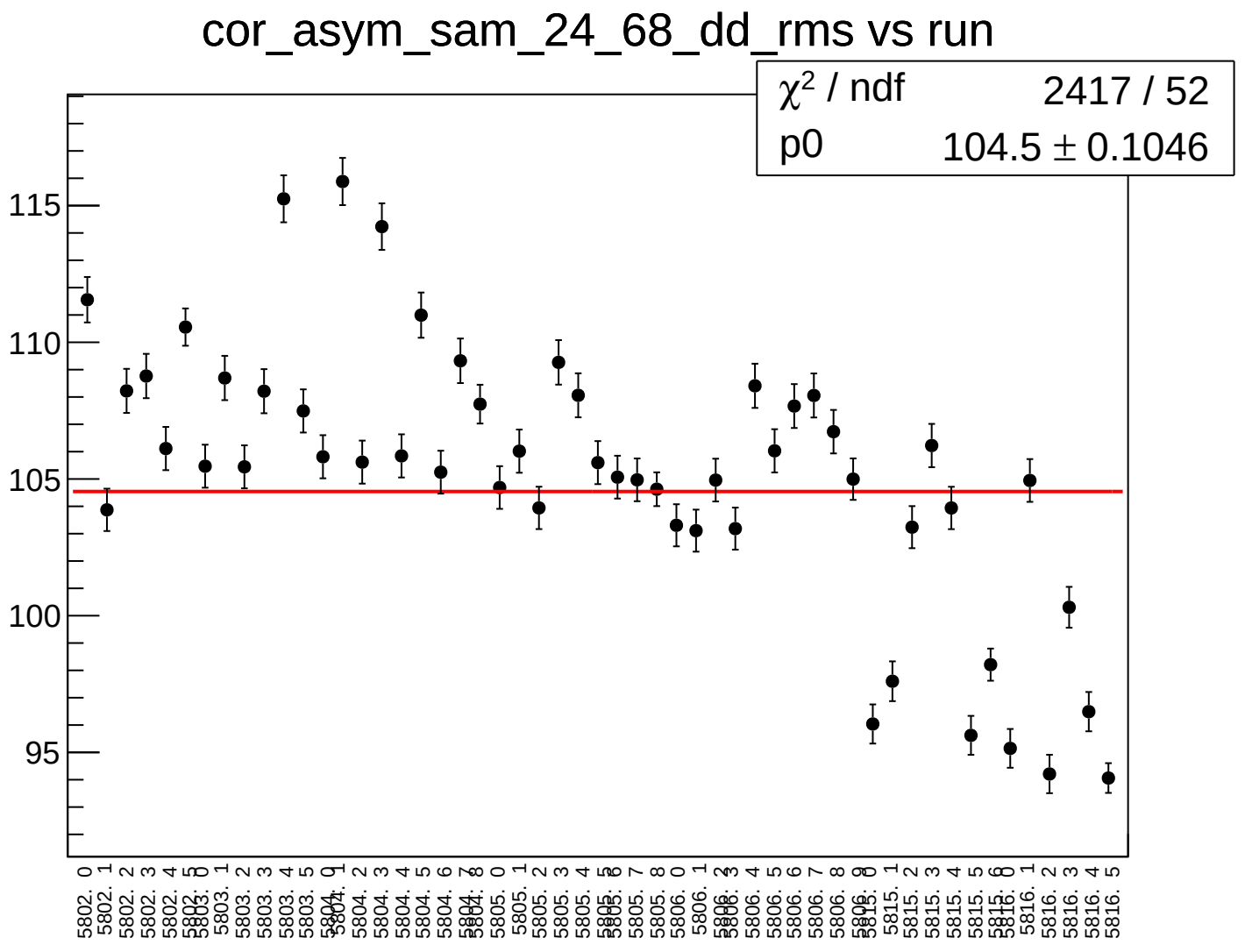

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 2417 / 52
p0 104.5 ± 0.1046
115
110
105
100
95

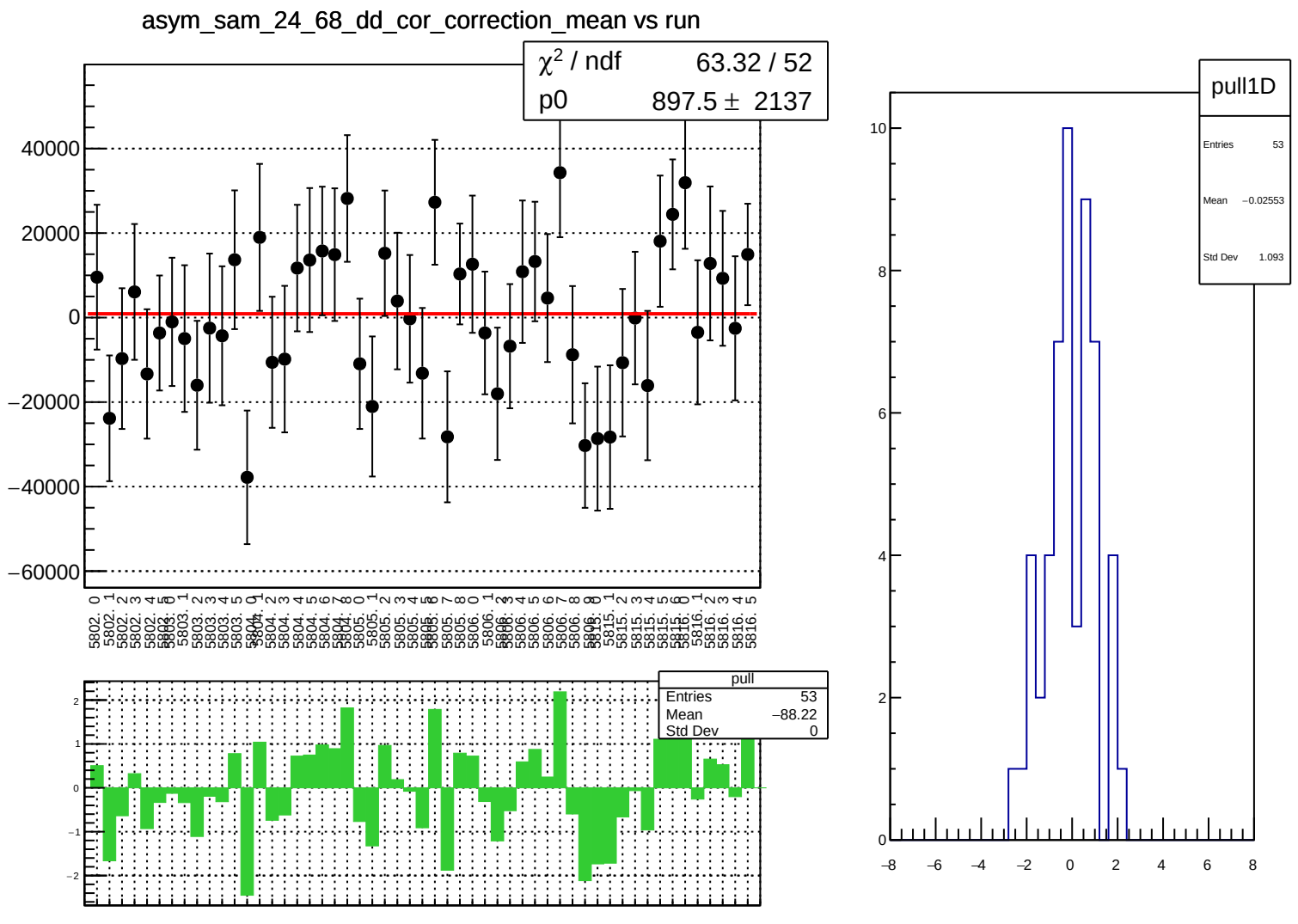

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 63.32 / 52
p0 897.5 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −88.22
Std Dev 0
pull1D
Entries 53
Mean −0.02553
Std Dev 1.093

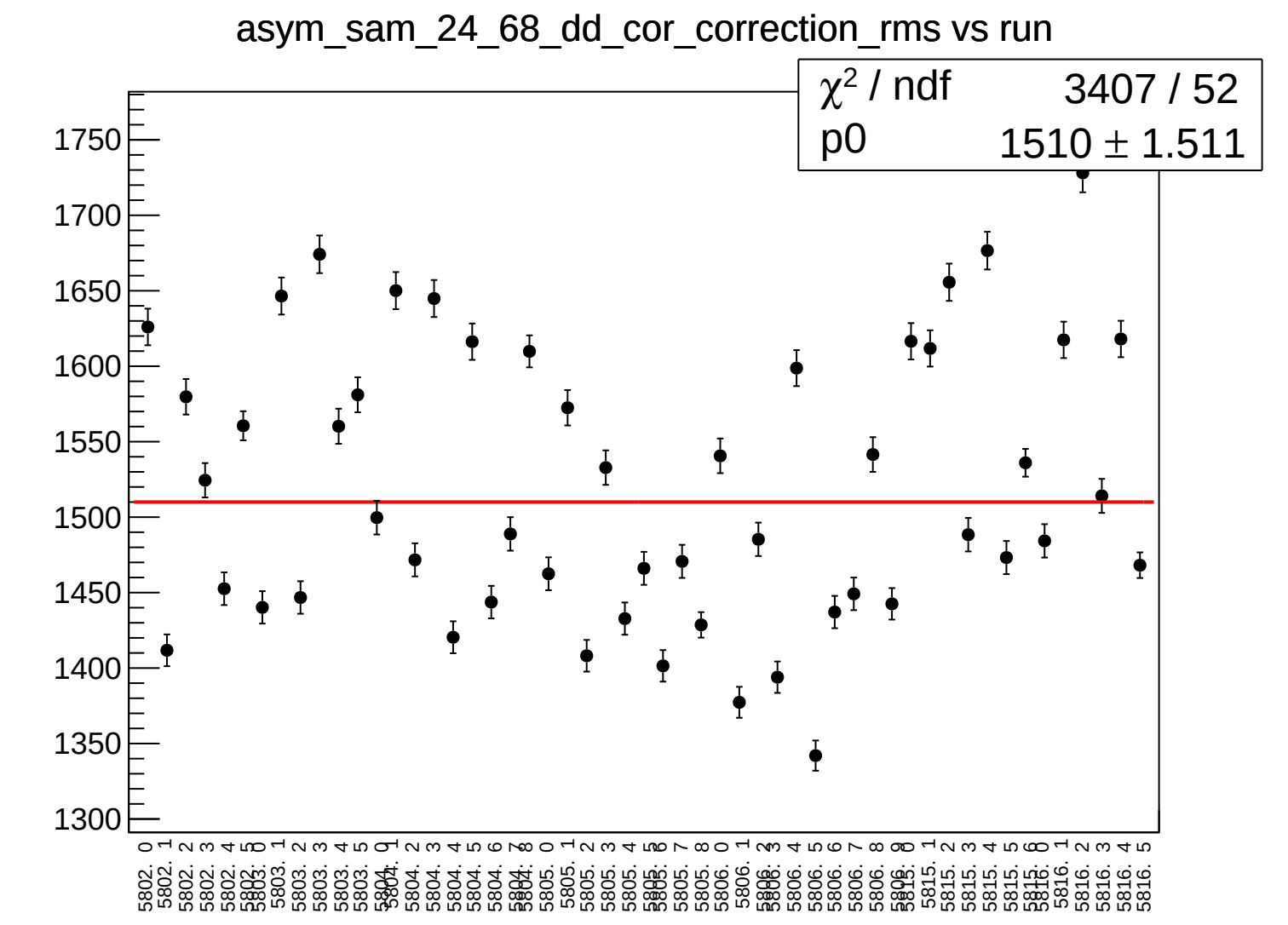

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3407 / 52
p0 1510 ± 1.511
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

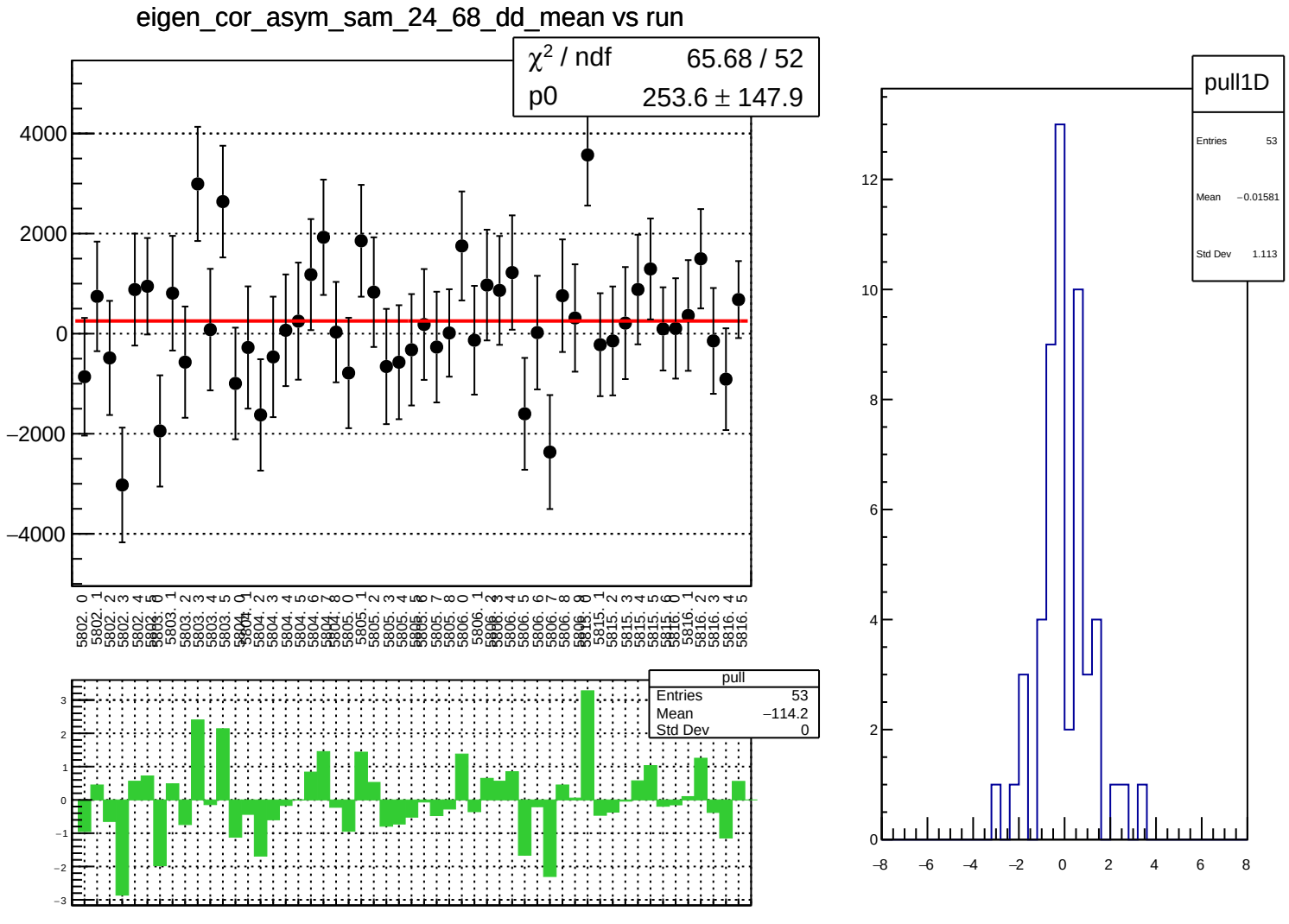

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.68 / 52
p0 253.6 ± 147.9
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −114.2
Std Dev 0
3
2
1
0
−1
−2
−3

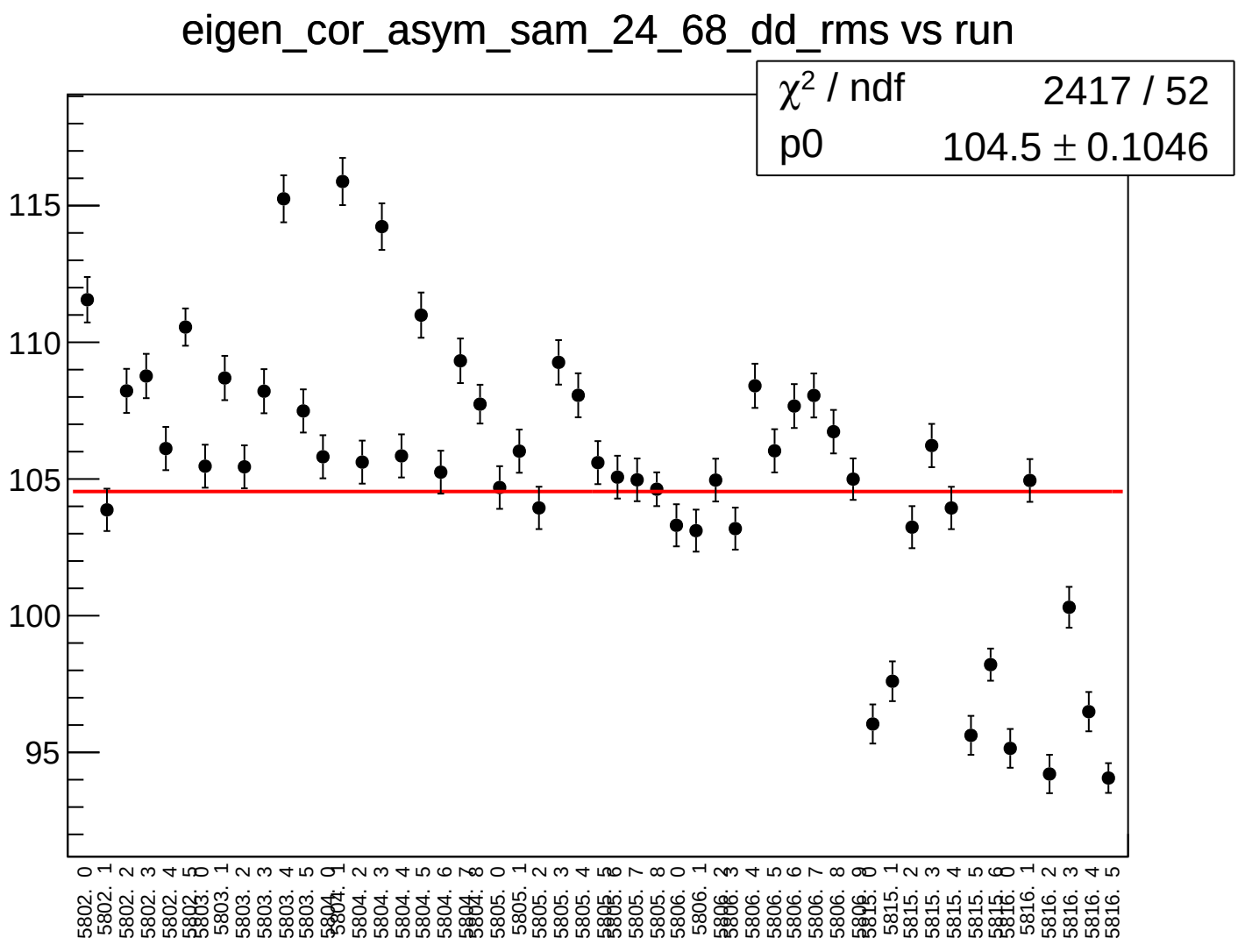

pull1D
Entries 53
Mean −0.01581
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

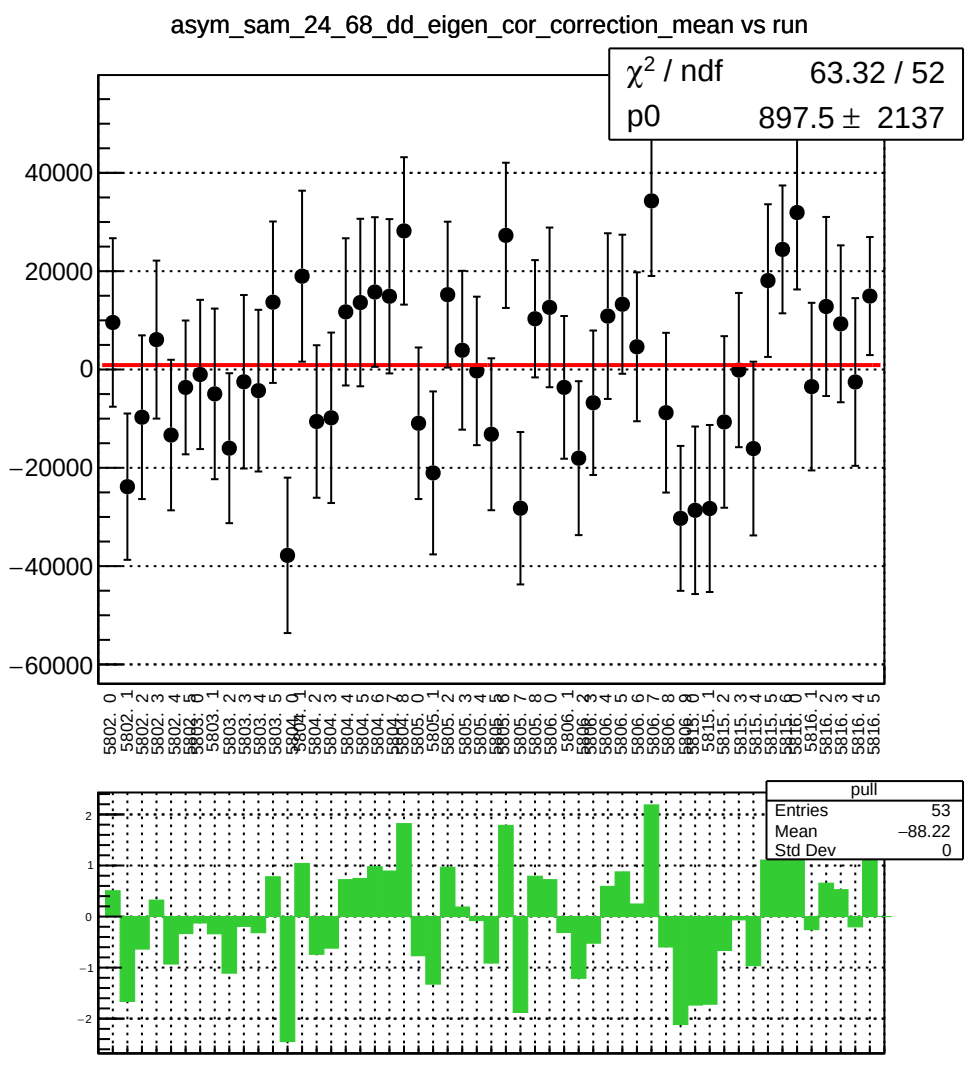

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2417 / 52
p0 104.5 ± 0.1046
115
110
105
100
95

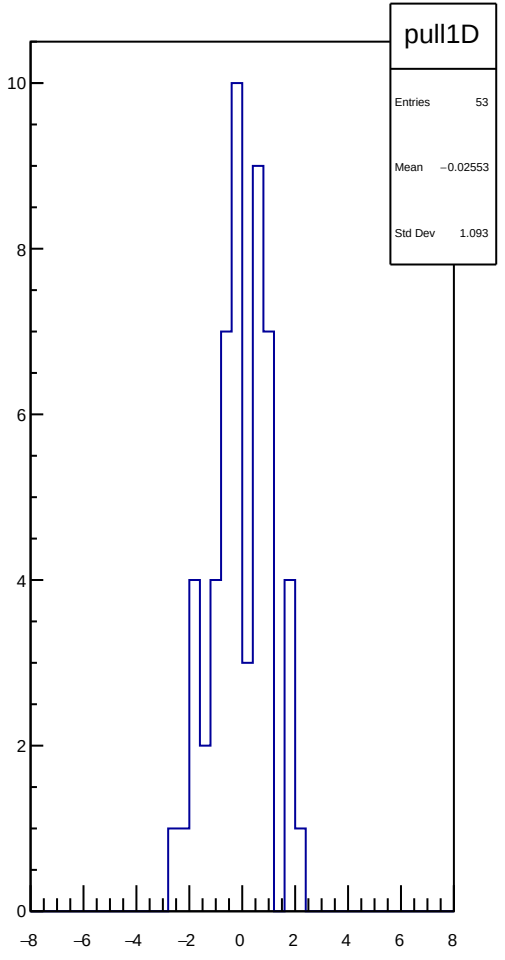

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 63.32 / 52
p0 897.5 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −88.22
Std Dev 0
pull1D
Entries 53
Mean −0.02553
Std Dev 1.093

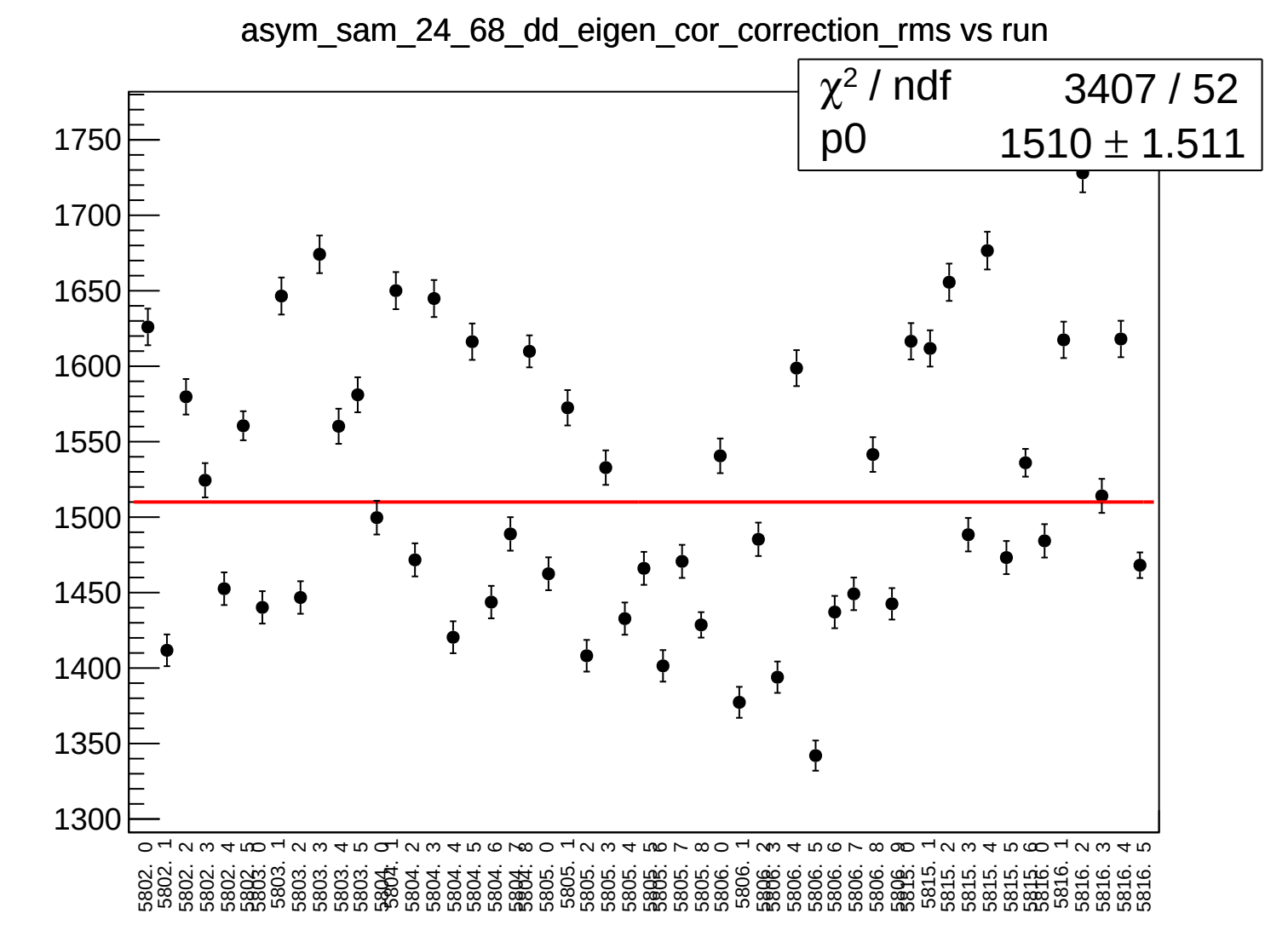

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3407 / 52
p0 1510 ± 1.511
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

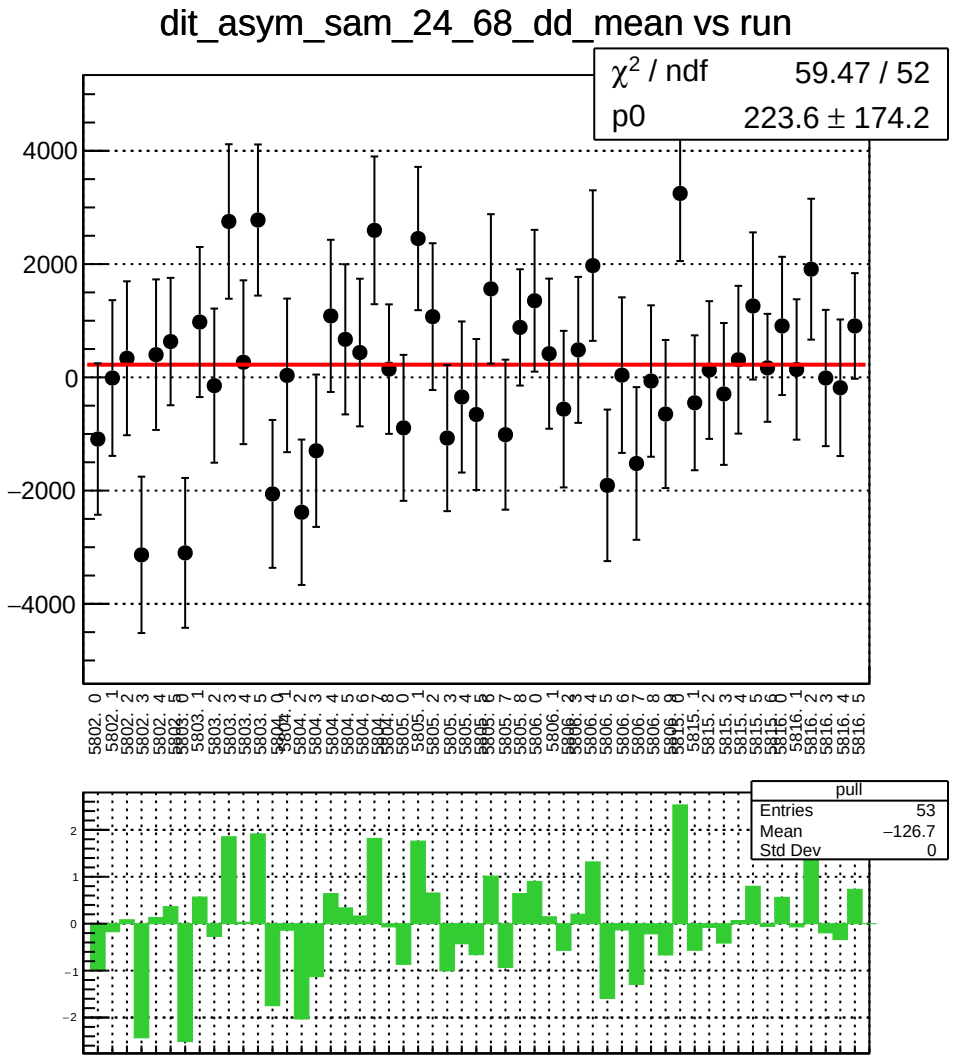

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.68 / 52
p0 253.6 ± 147.9
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −114.2
Std Dev 0
pull1D
Entries 53
Mean −0.01581
Std Dev 1.113

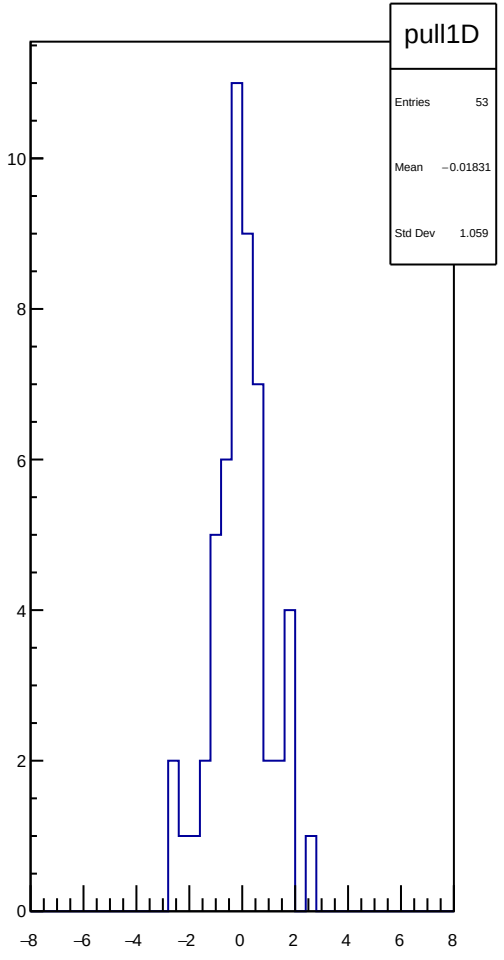

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2417 / 52
p0 104.5 ± 0.1046
115
110
105
100
95

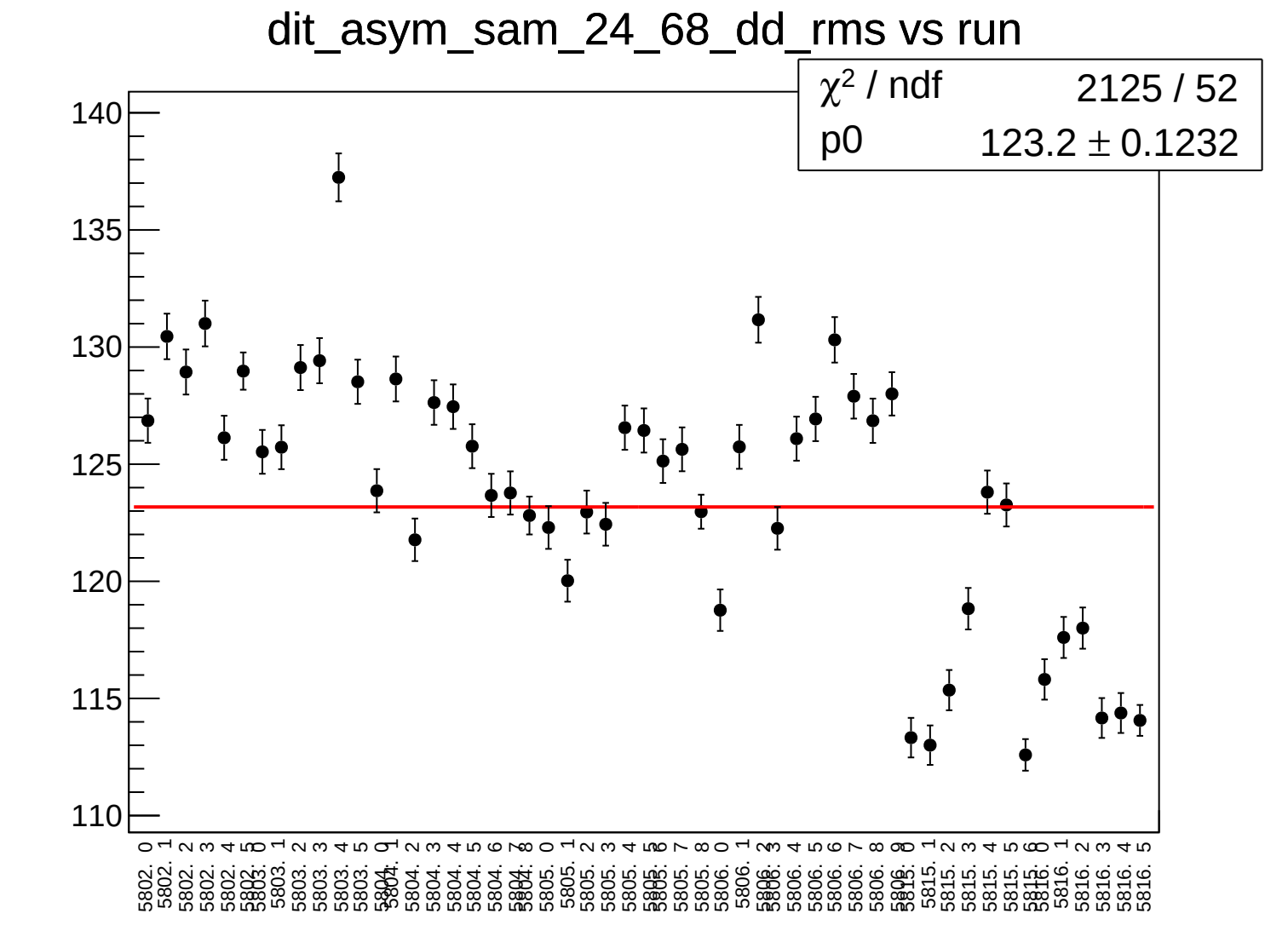

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 63.32 / 52
p0 897.5 ± 2137
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −88.22
Std Dev 0
2
1
0
−1
−2

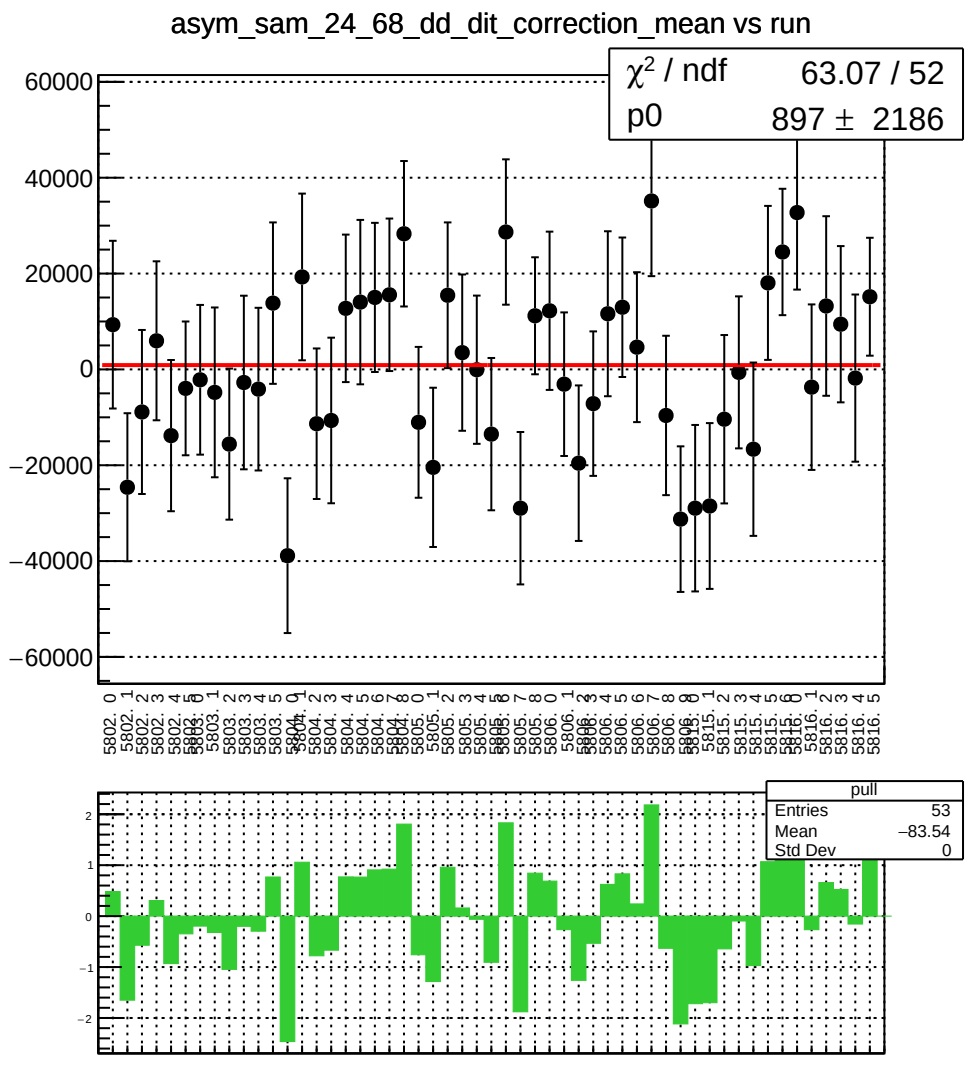

pull1D
Entries 53
Mean −0.02553
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

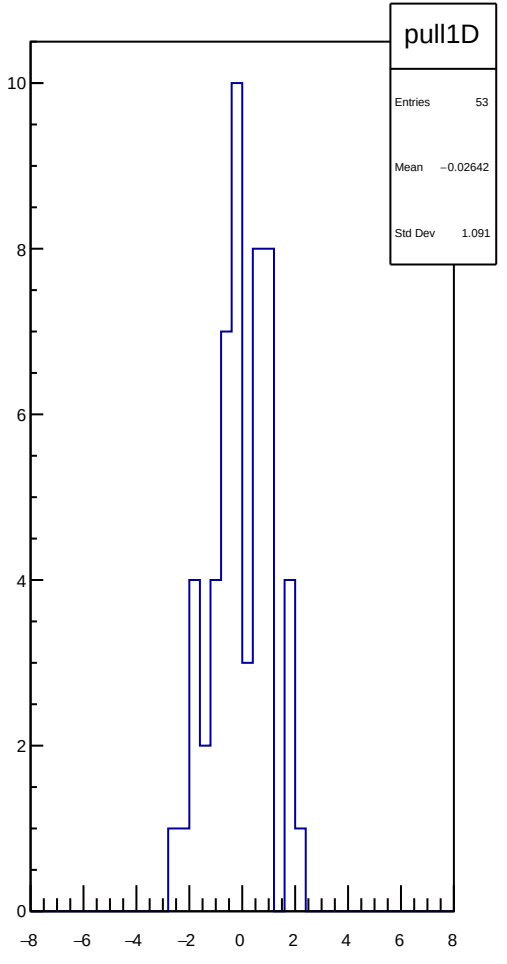

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3407 / 52
p0 1510 ± 1.511
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

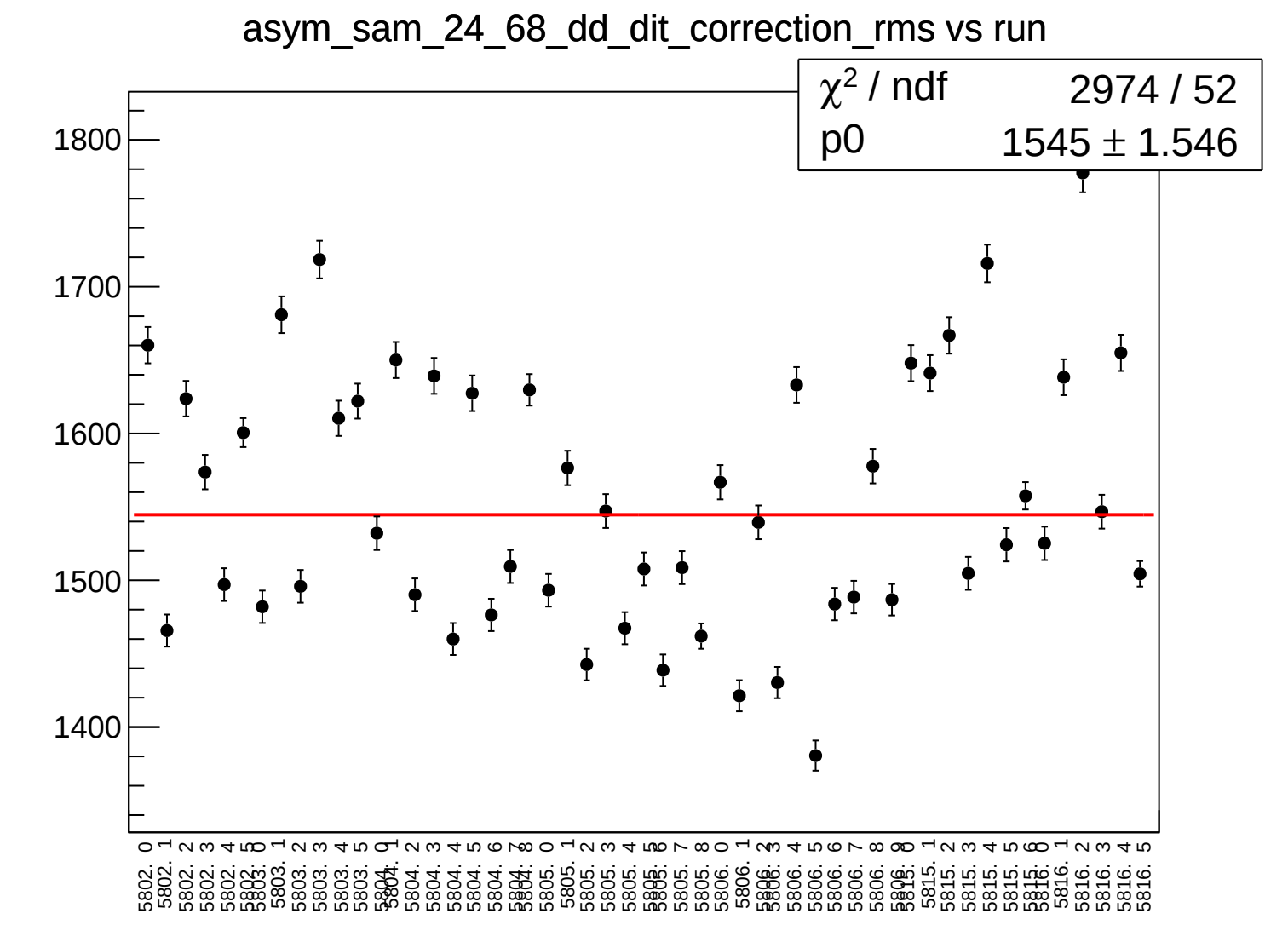

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.47 / 52
p0 223.6 ± 174.2
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −126.7
Std Dev 0
2
1
0
−1
−2

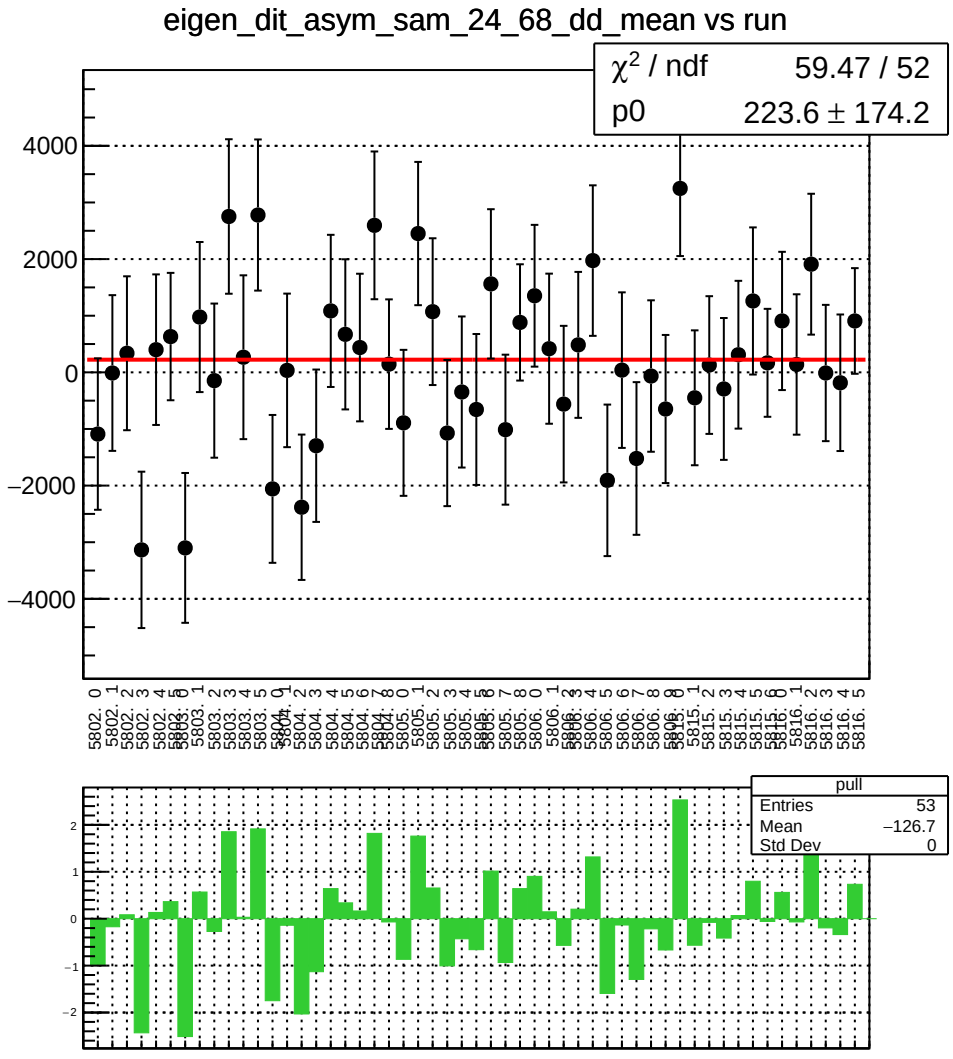

pull1D
Entries 53
Mean −0.01831
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

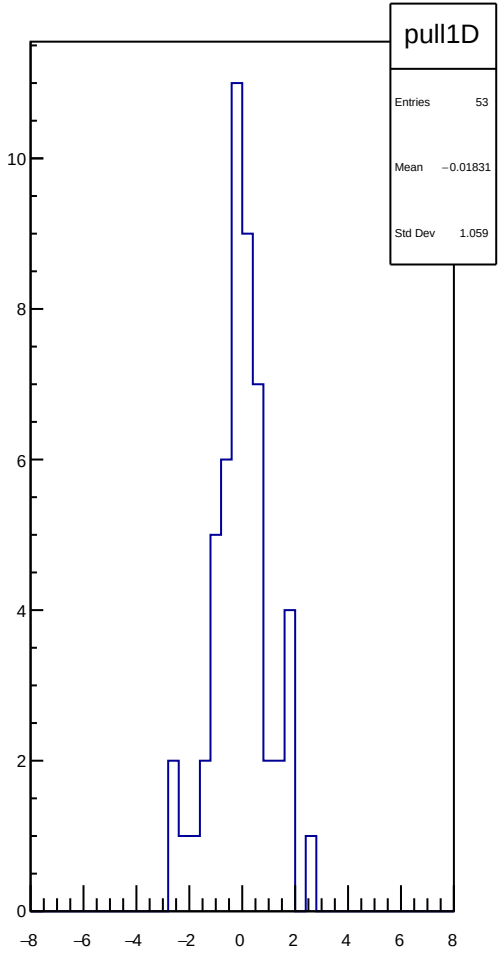

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2125 / 52
p0 123.2 ± 0.1232
140
135
130
125
120
115
110

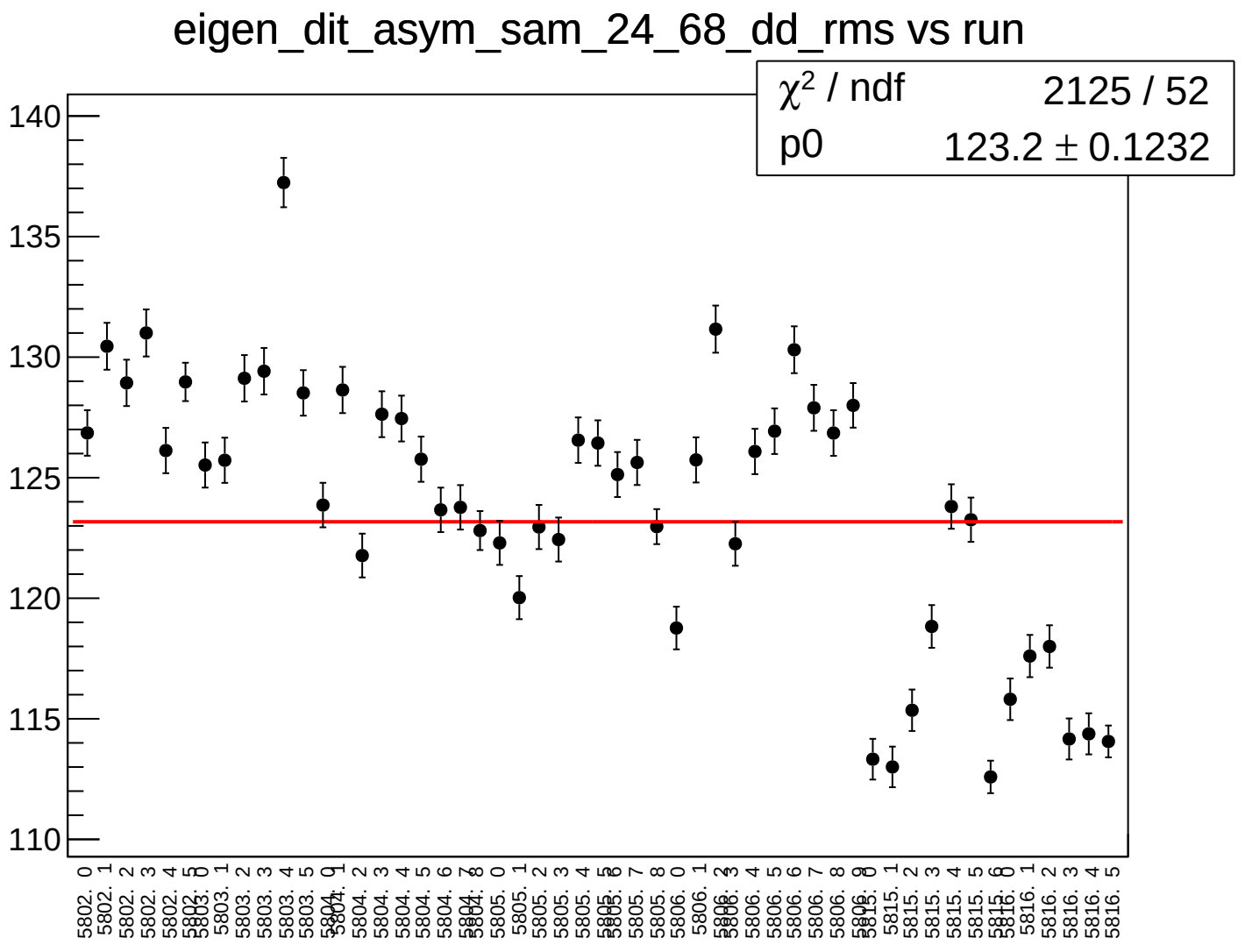

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 63.07 / 52
p0 897 ± 2186
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −83.54
Std Dev 0
2
1
0
−1
−2

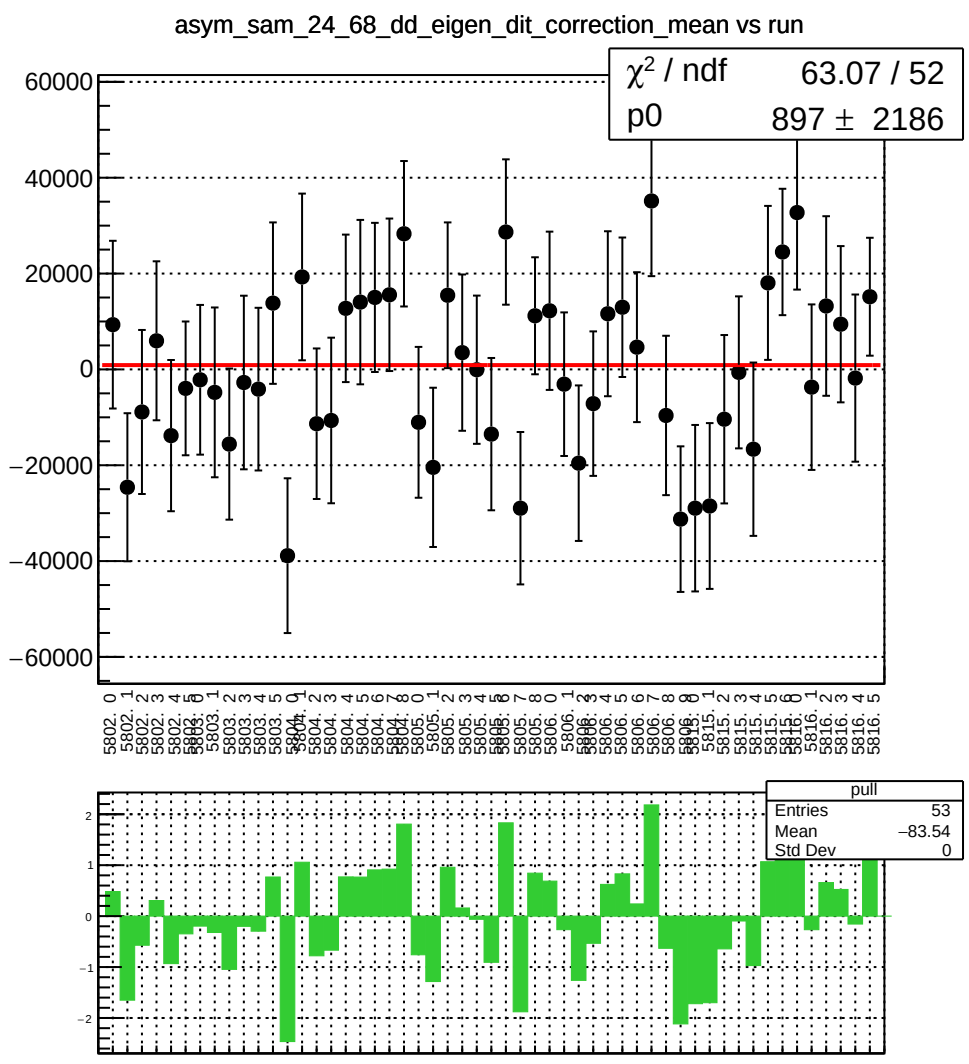

pull1D
Entries 53
Mean −0.02642
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

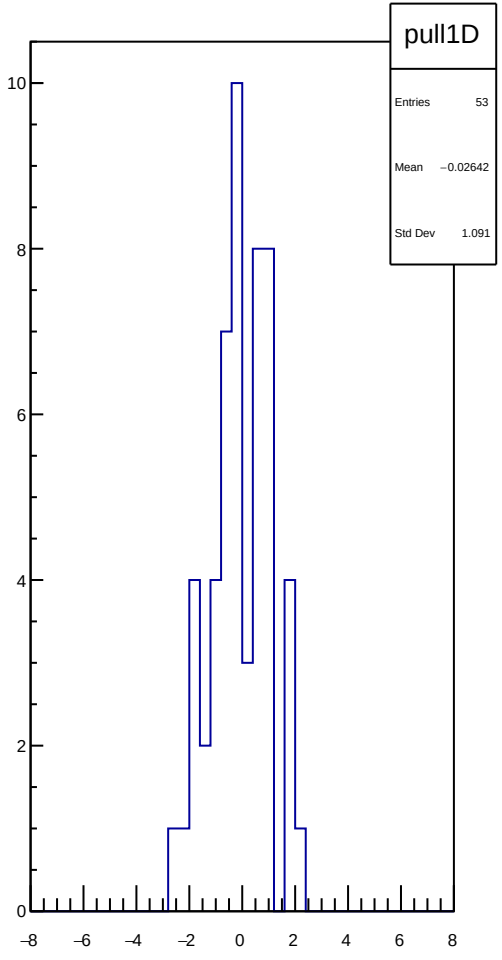

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2974 / 52
p0 1545 ± 1.546
1800
1700
1600
1500
1400

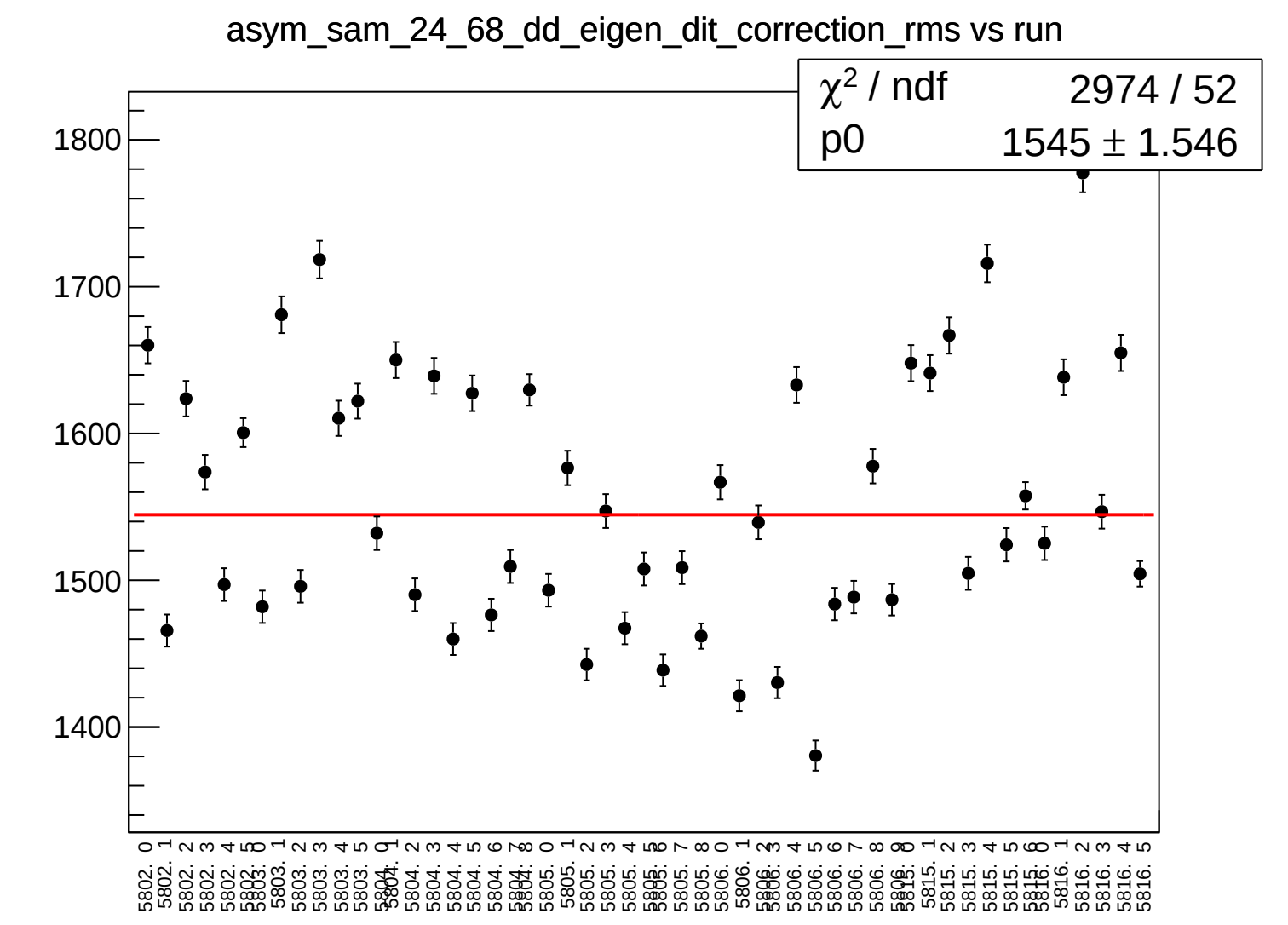

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 59.47 / 52
p0 223.6 ± 174.2
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −126.7
Std Dev 0
2
1
0
−1
−2

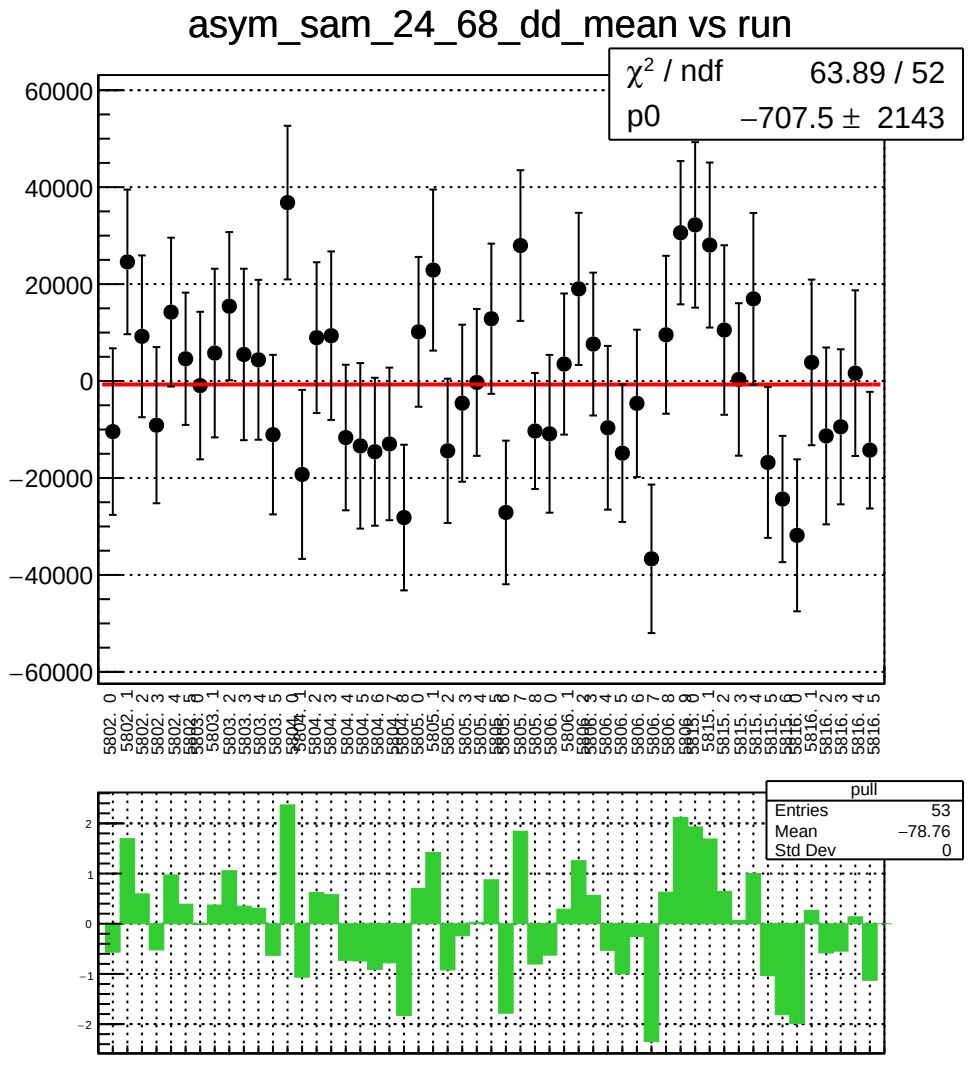

pull1D
Entries 53
Mean −0.01831
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

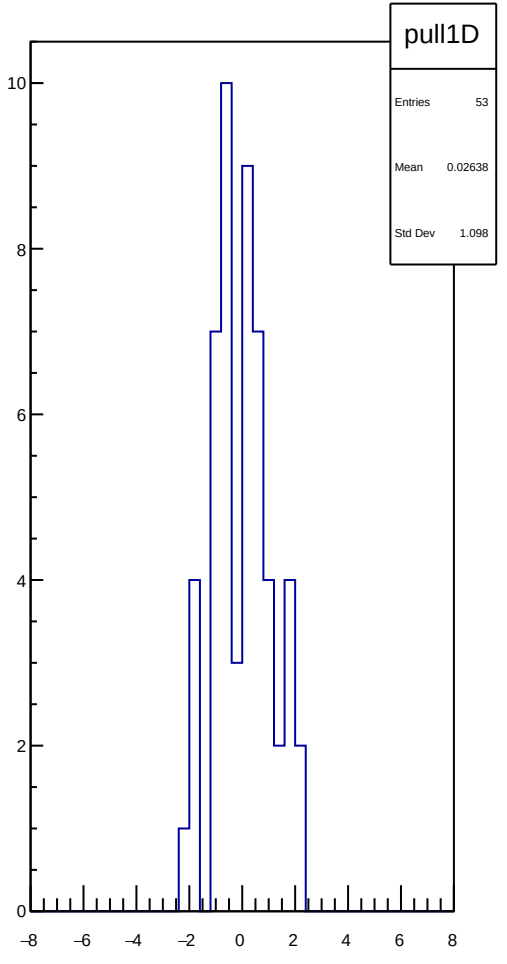

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2125 / 52
p0 123.2 ± 0.1232
140
135
130
125
120
115
110
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

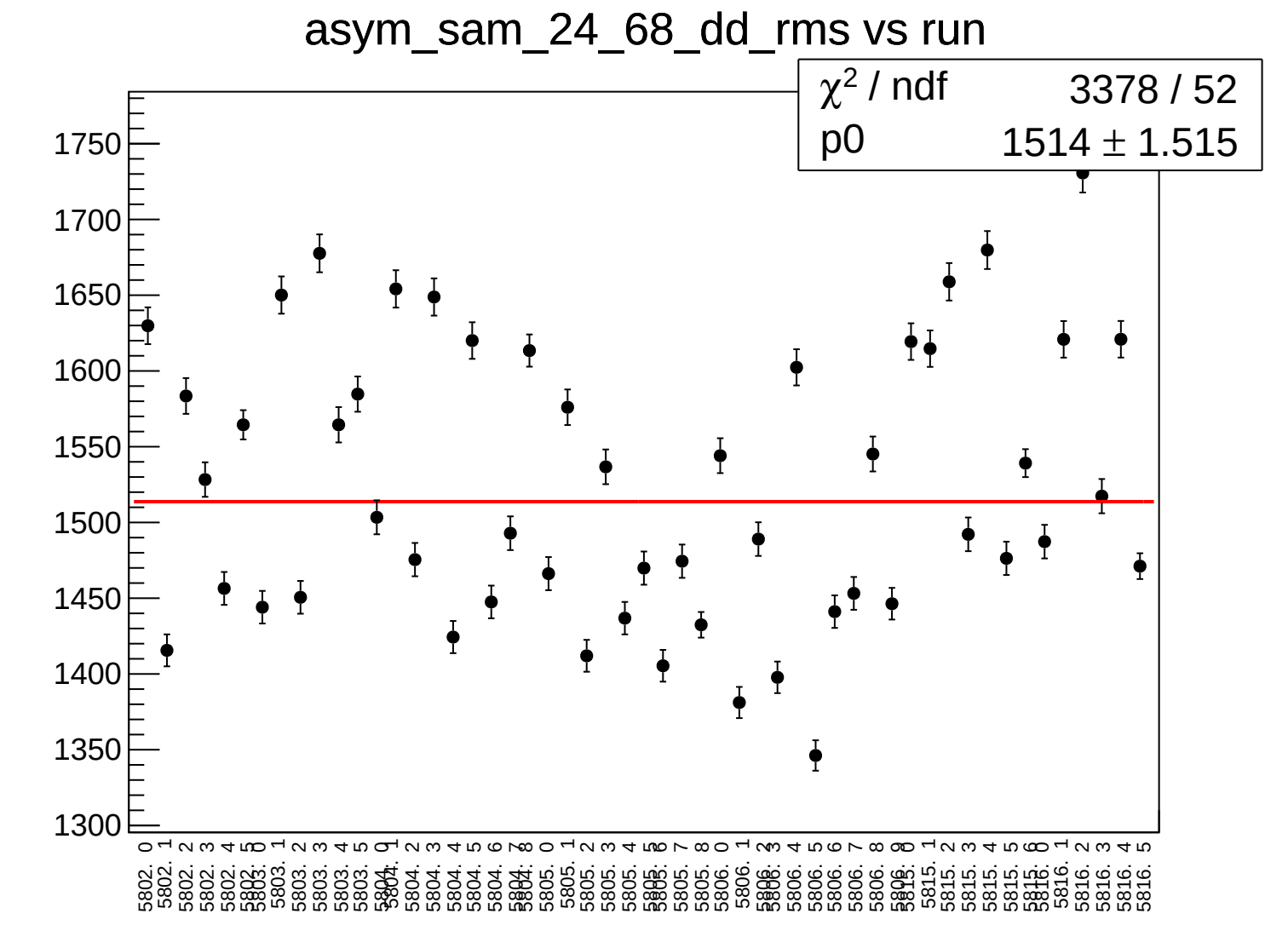

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.07 / 52
p0 897 ± 2186
pull
Entries 53
Mean −83.54
Std Dev 0

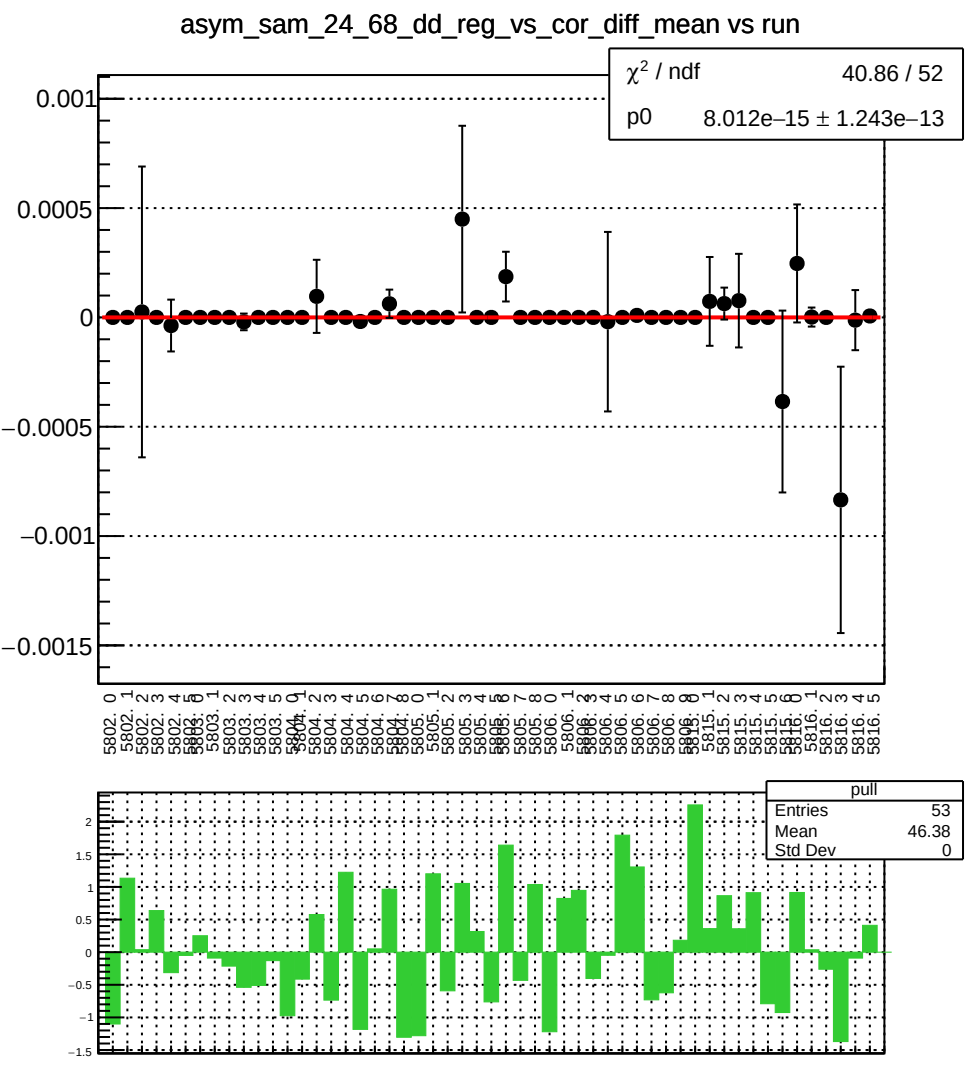

pull1D
Entries 53
Mean −0.02642
Std Dev 1.091

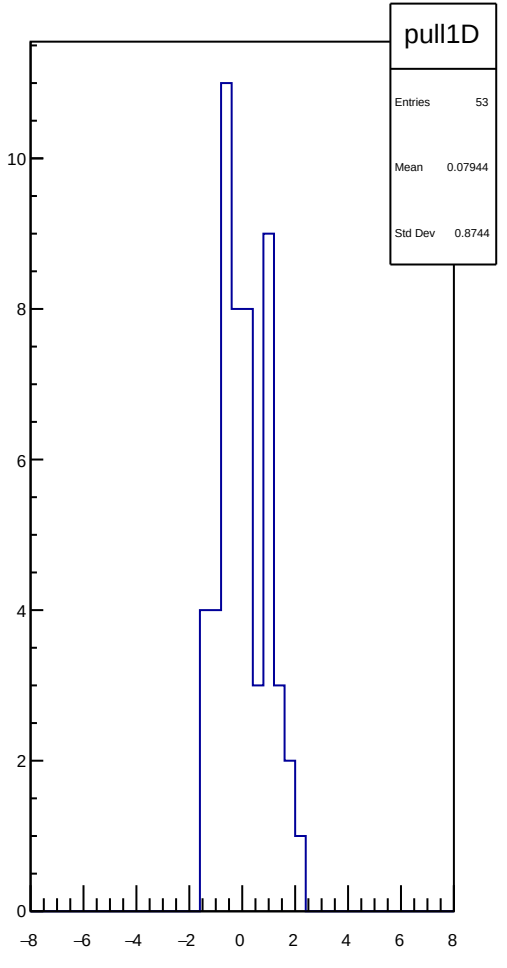

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2974 / 52
p0 1545 ± 1.546
1800
1700
1600
1500
1400

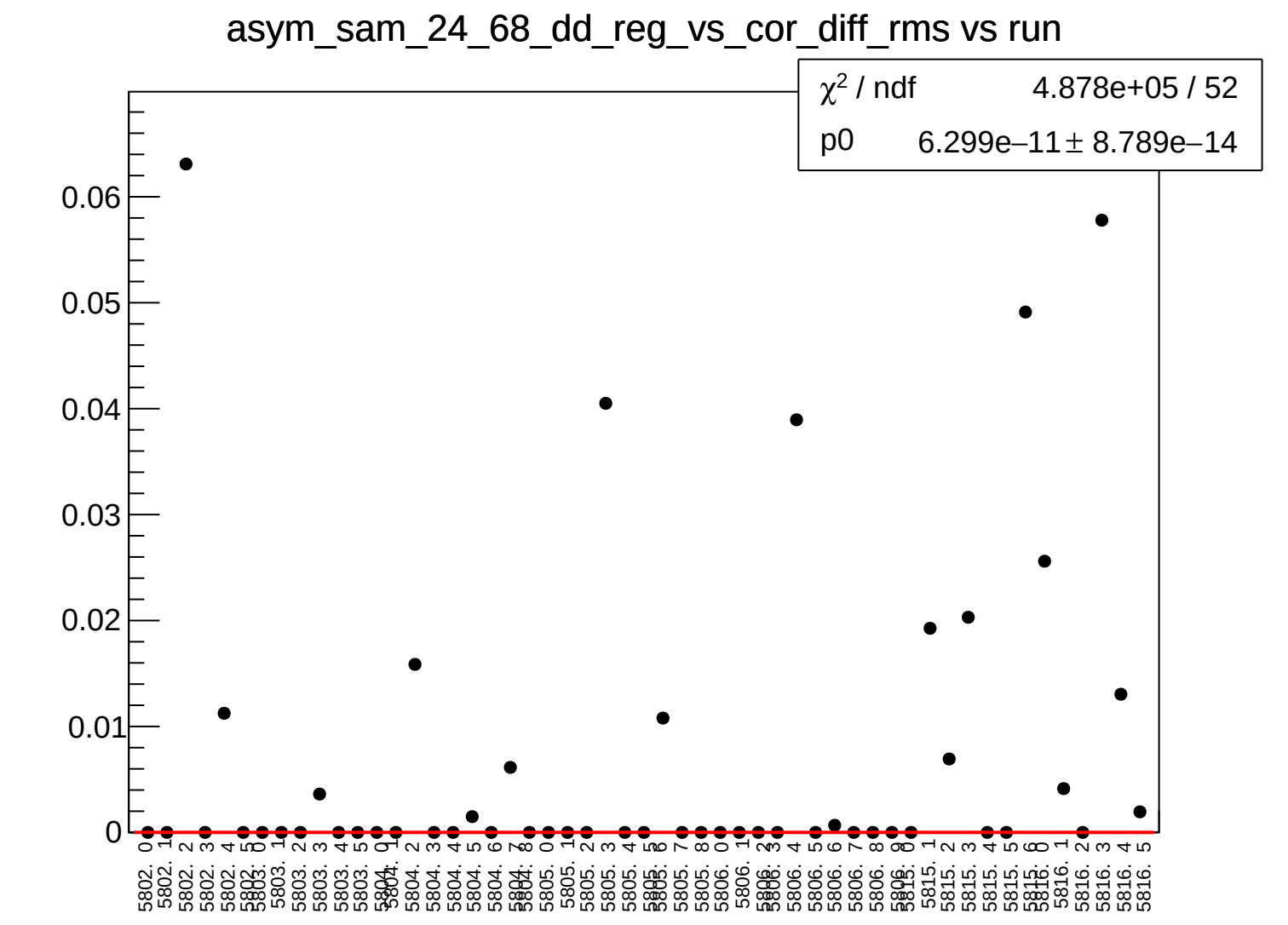

asym_sam_24_68_dd_mean vs run
χ² / ndf 63.89 / 52
p0 −707.5 ± 2143
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −78.76
Std Dev 0
2
1
0
−1
−2

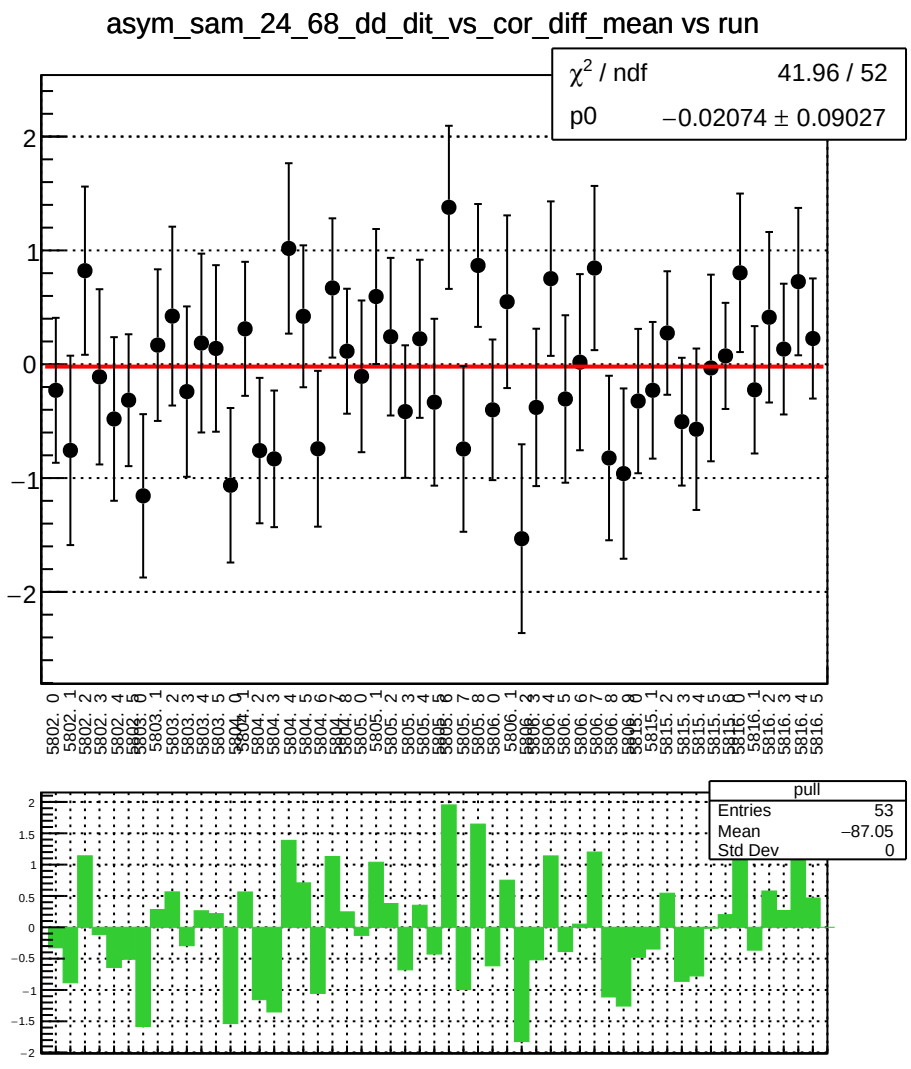

pull1D
Entries 53
Mean 0.02638
Std Dev 1.098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

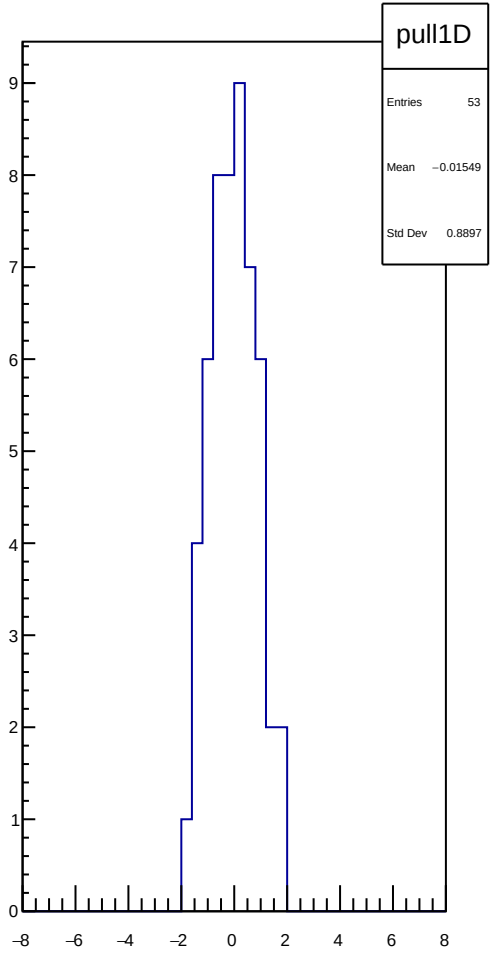

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3378 / 52
p0 1514 ± 1.515
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

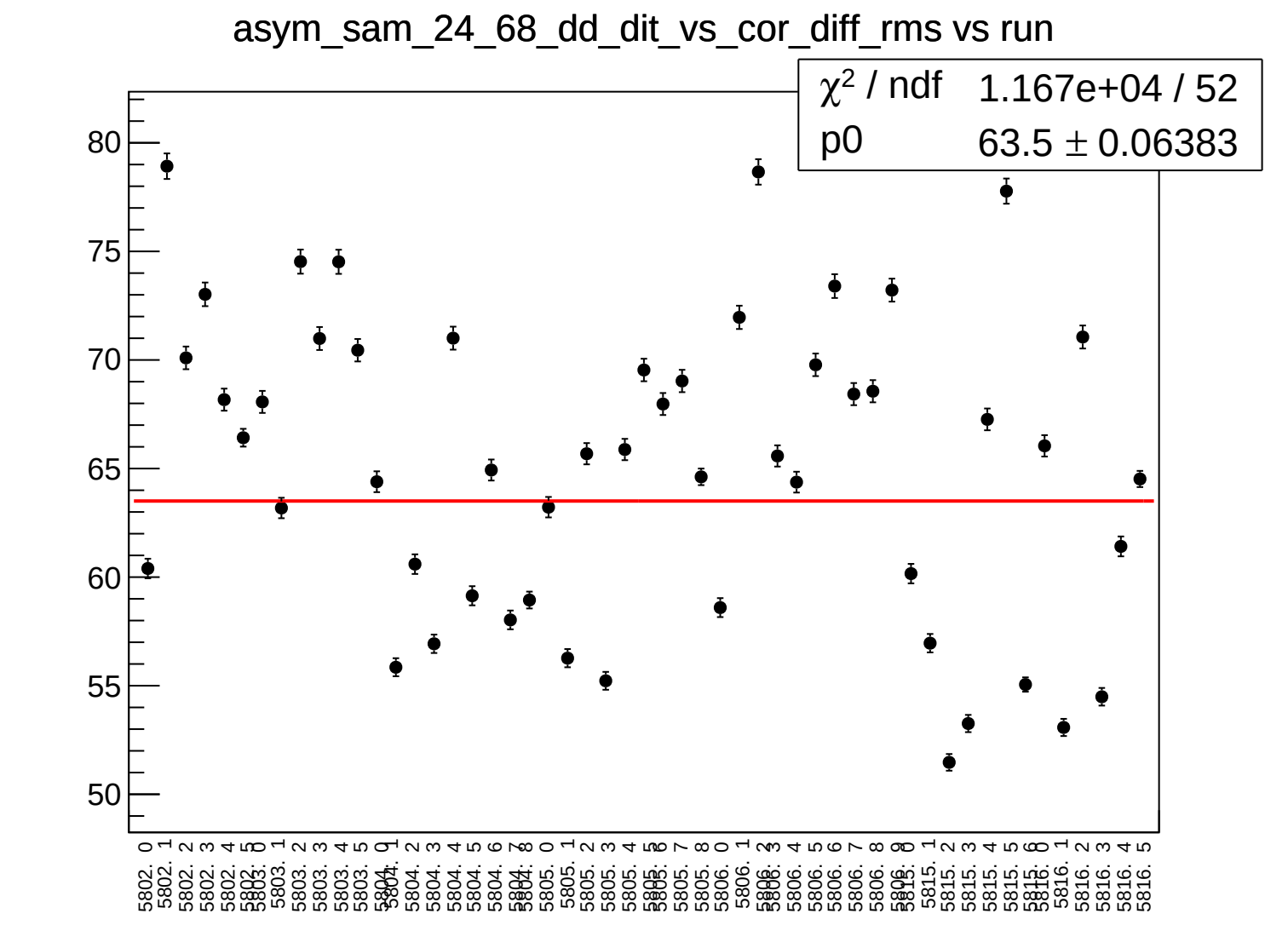

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.86 / 52
p0 8.012e−15 ± 1.243e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 53
Mean 46.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

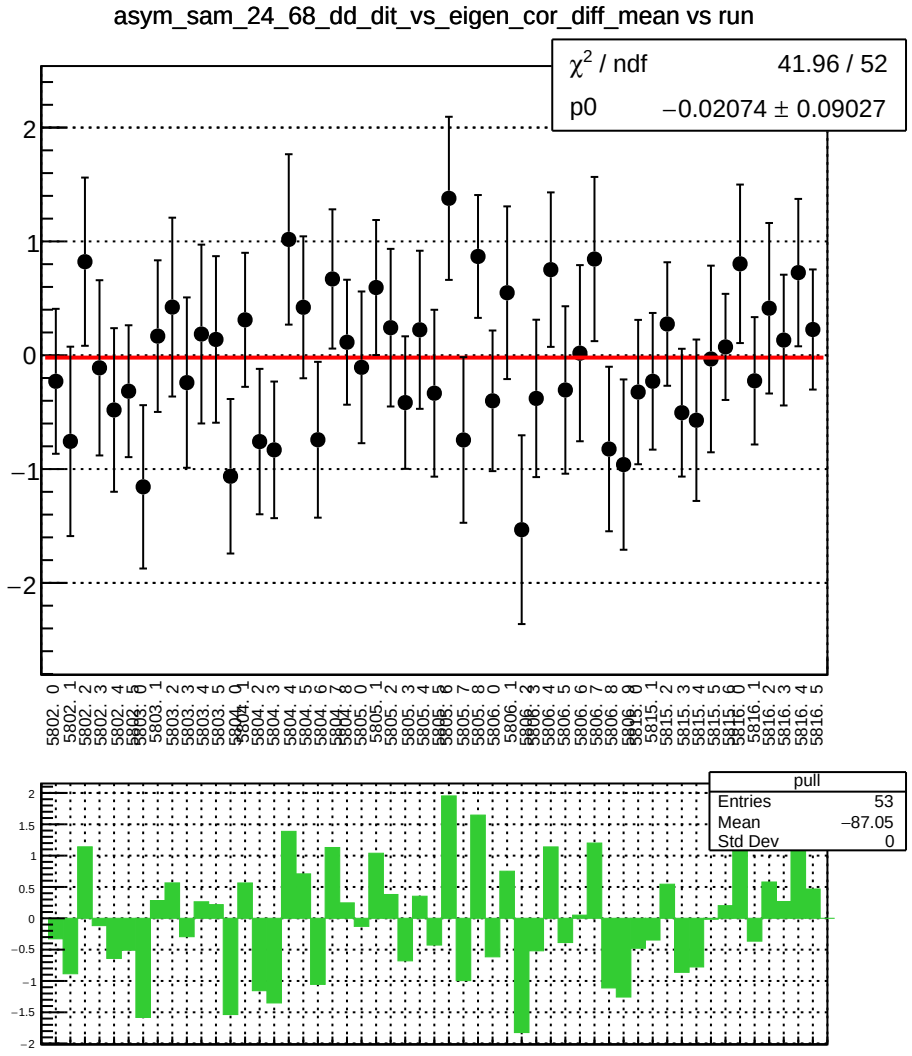

pull1D
Entries 53
Mean 0.07944
Std Dev 0.8744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

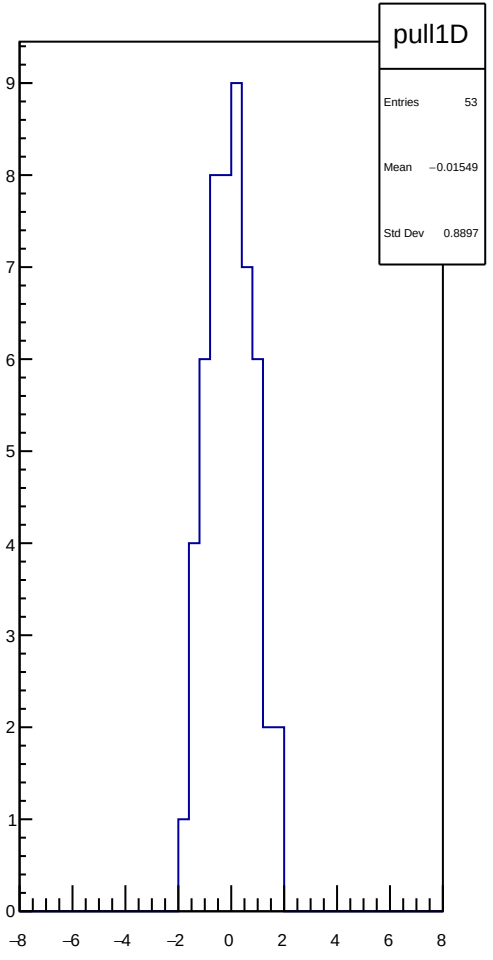

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.878e+05 / 52
p0 6.299e−11 ± 8.789e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

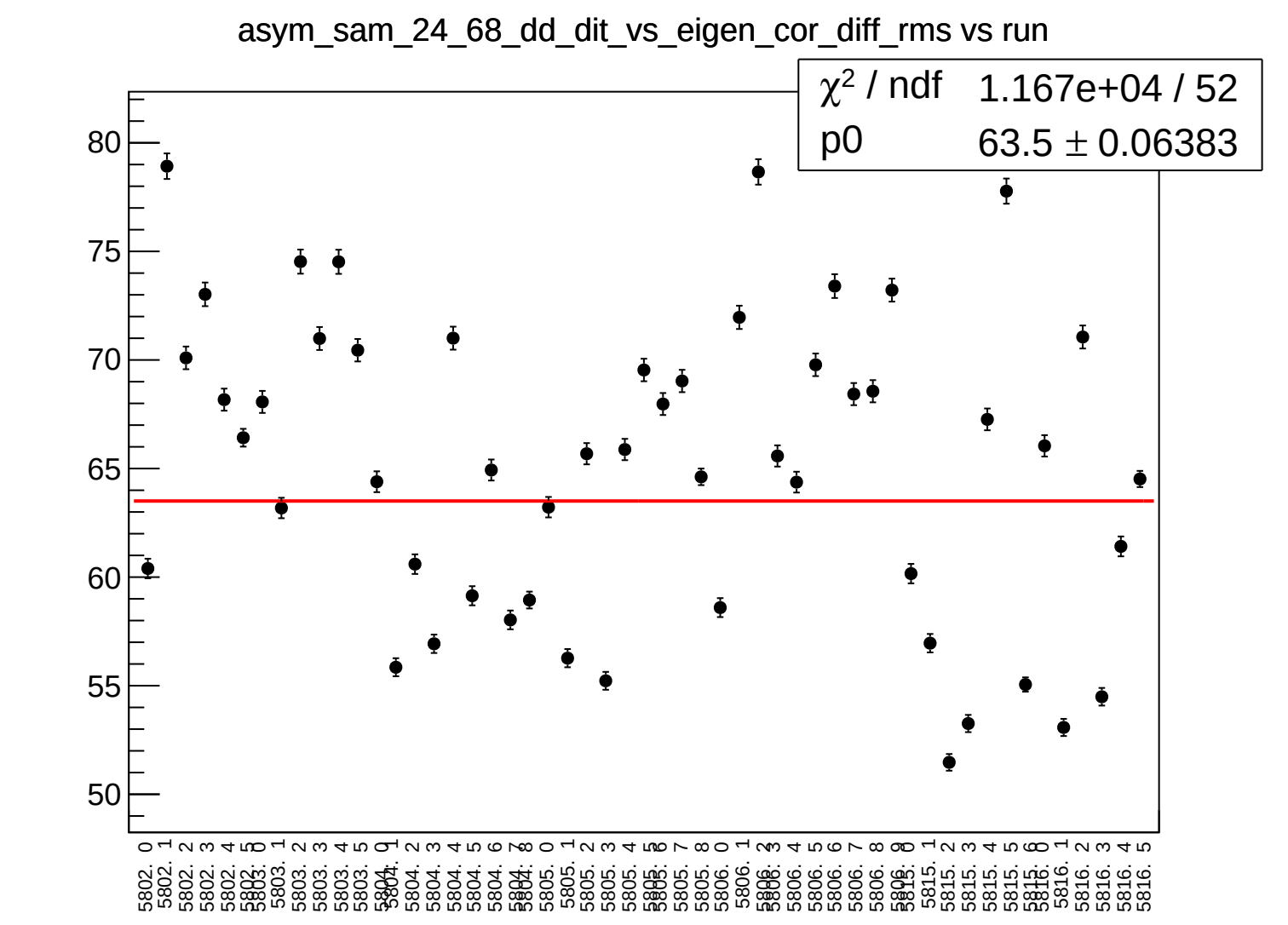

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.96 / 52
p0 −0.02074 ± 0.09027
pull
Entries 53
Mean −87.05
Std Dev 0

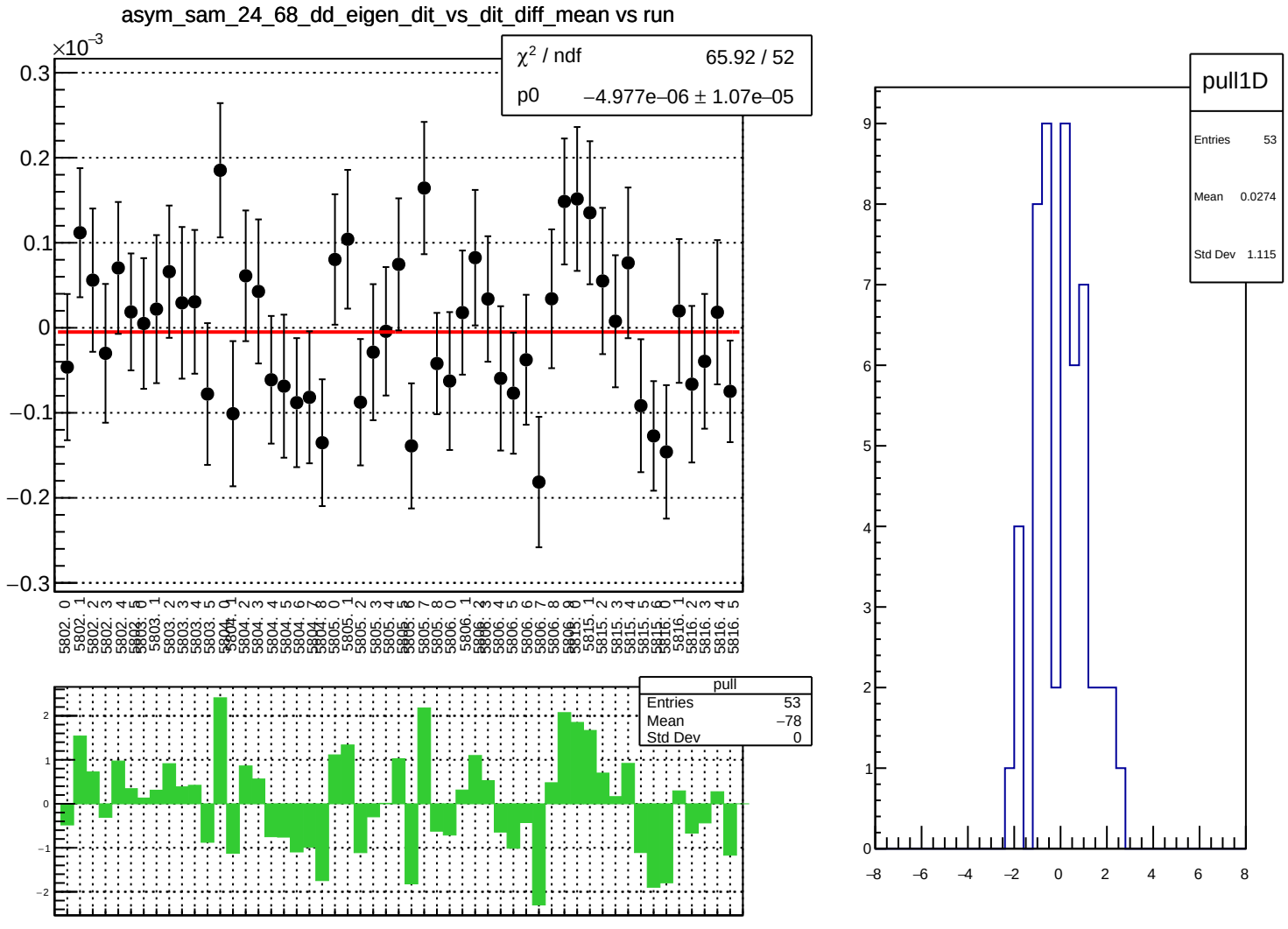

pull1D
Entries 53
Mean −0.01549
Std Dev 0.8897

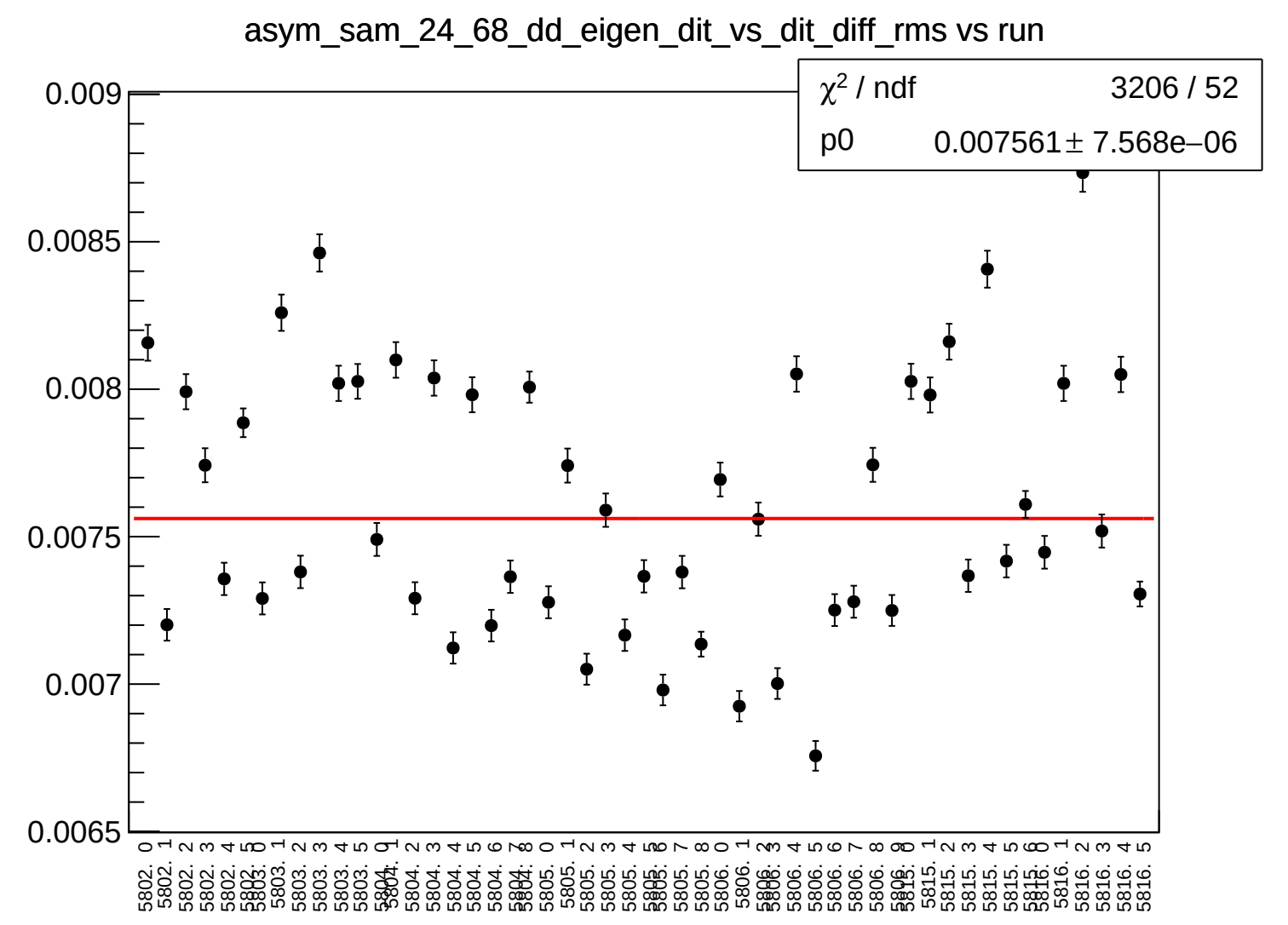

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.167e+04 / 52
p0 63.5 ± 0.06383
80
75
70
65
60
55
50

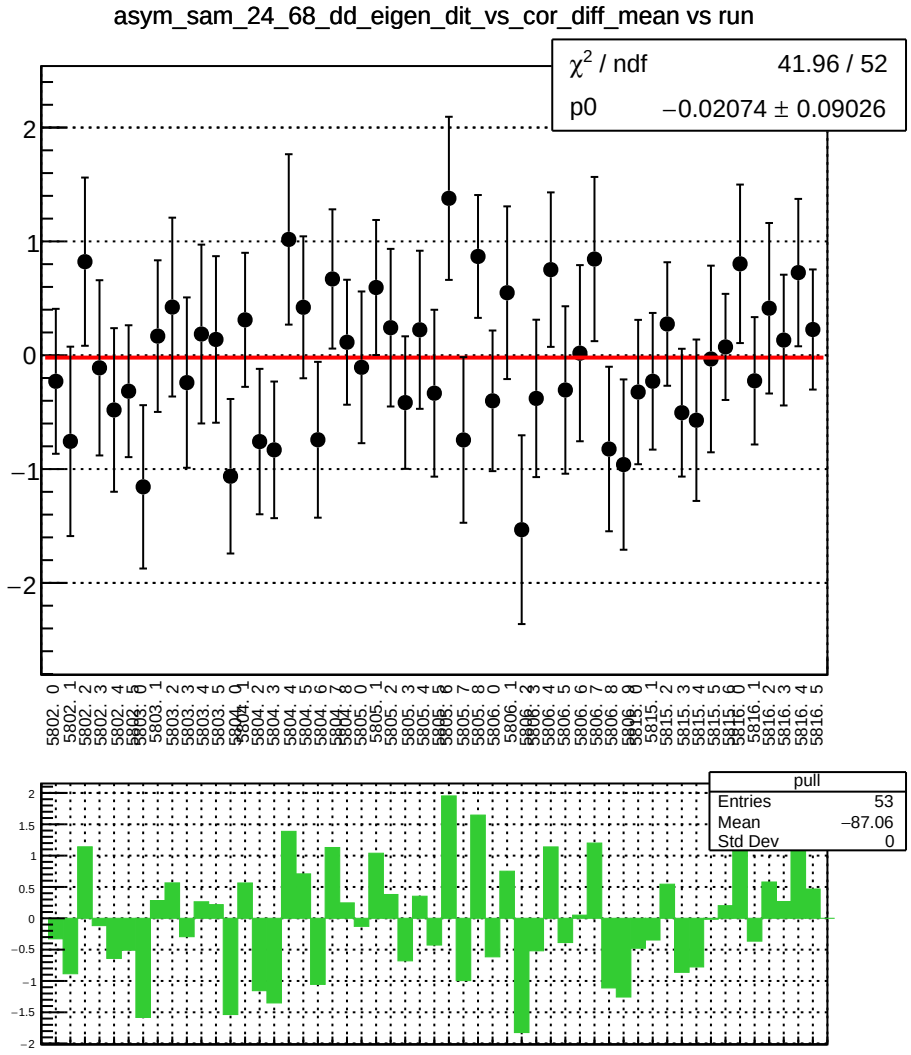

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.96 / 52
p0 −0.02074 ± 0.09027
pull
Entries 53
Mean −87.05
Std Dev 0

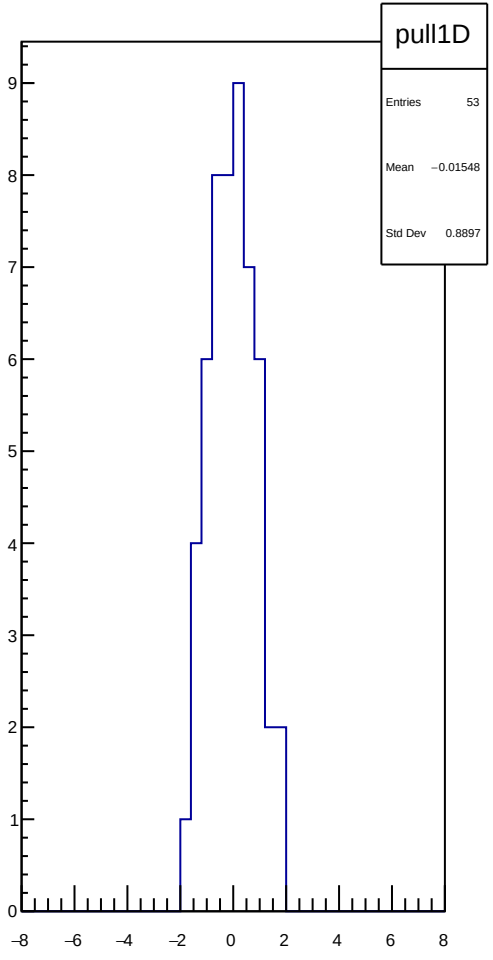

pull1D
Entries 53
Mean −0.01549
Std Dev 0.8897

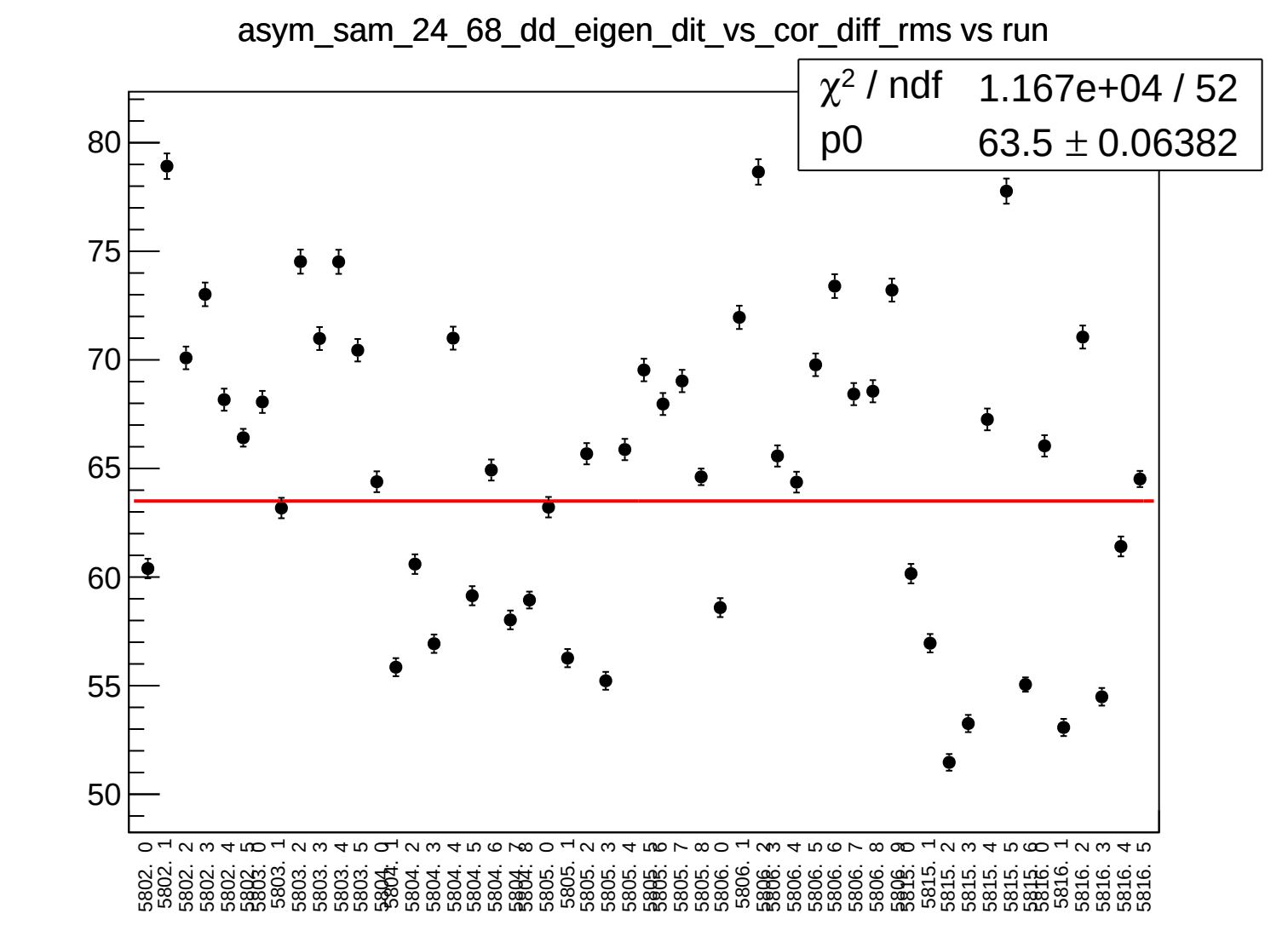

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.167e+04 / 52
p0 63.5 ± 0.06383
80
75
70
65
60
55
50


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.92 / 52
p0 −4.977e−06 ± 1.07e−05
pull
Entries 53
Mean −78
Std Dev 0
pull1D
Entries 53
Mean 0.0274
Std Dev 1.115

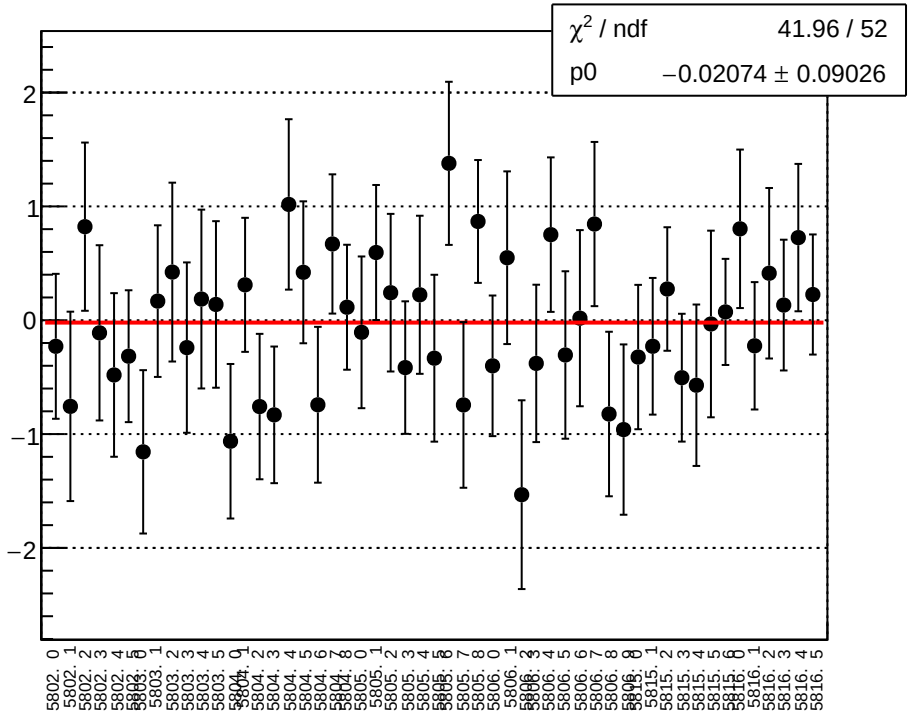

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3206 / 52
p0 0.007561 ± 7.568e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065

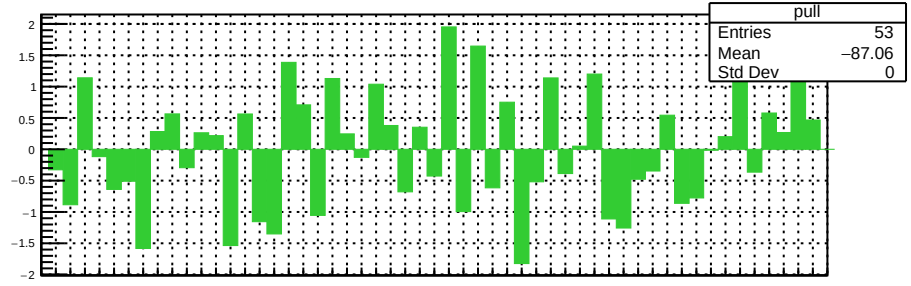

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.96 / 52
p0 −0.02074 ± 0.09026
pull
Entries 53
Mean −87.06
Std Dev 0

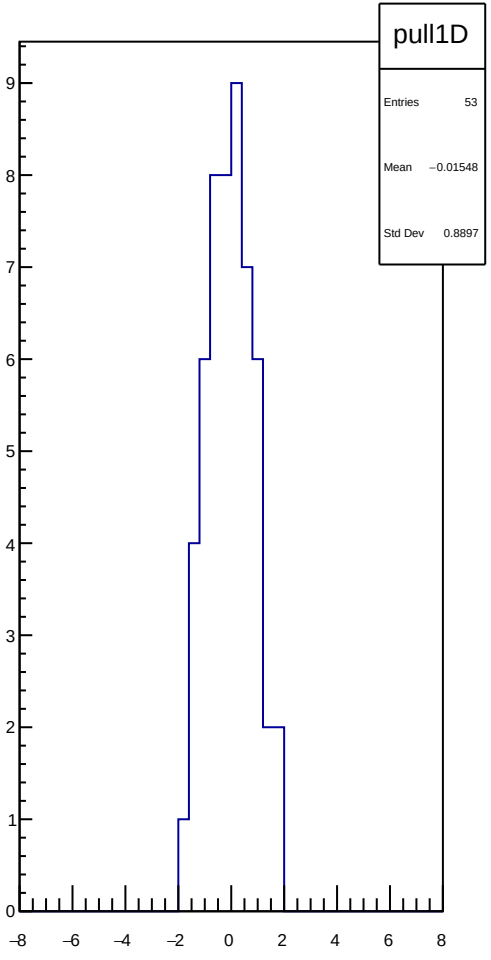

pull1D
Entries 53
Mean −0.01548
Std Dev 0.8897

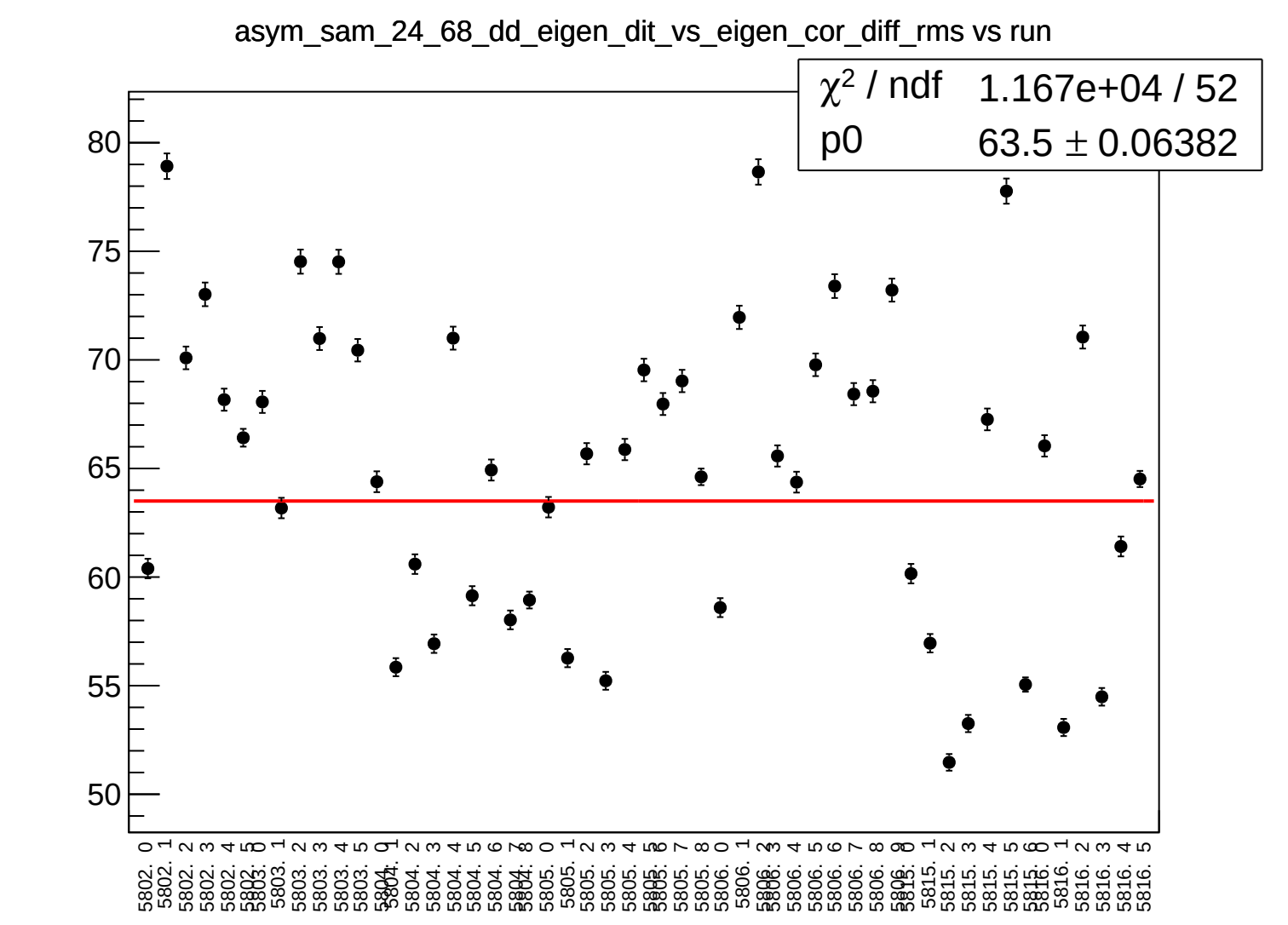

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.167e+04 / 52
p0 63.5 ± 0.06382
80
75
70
65
60
55
50

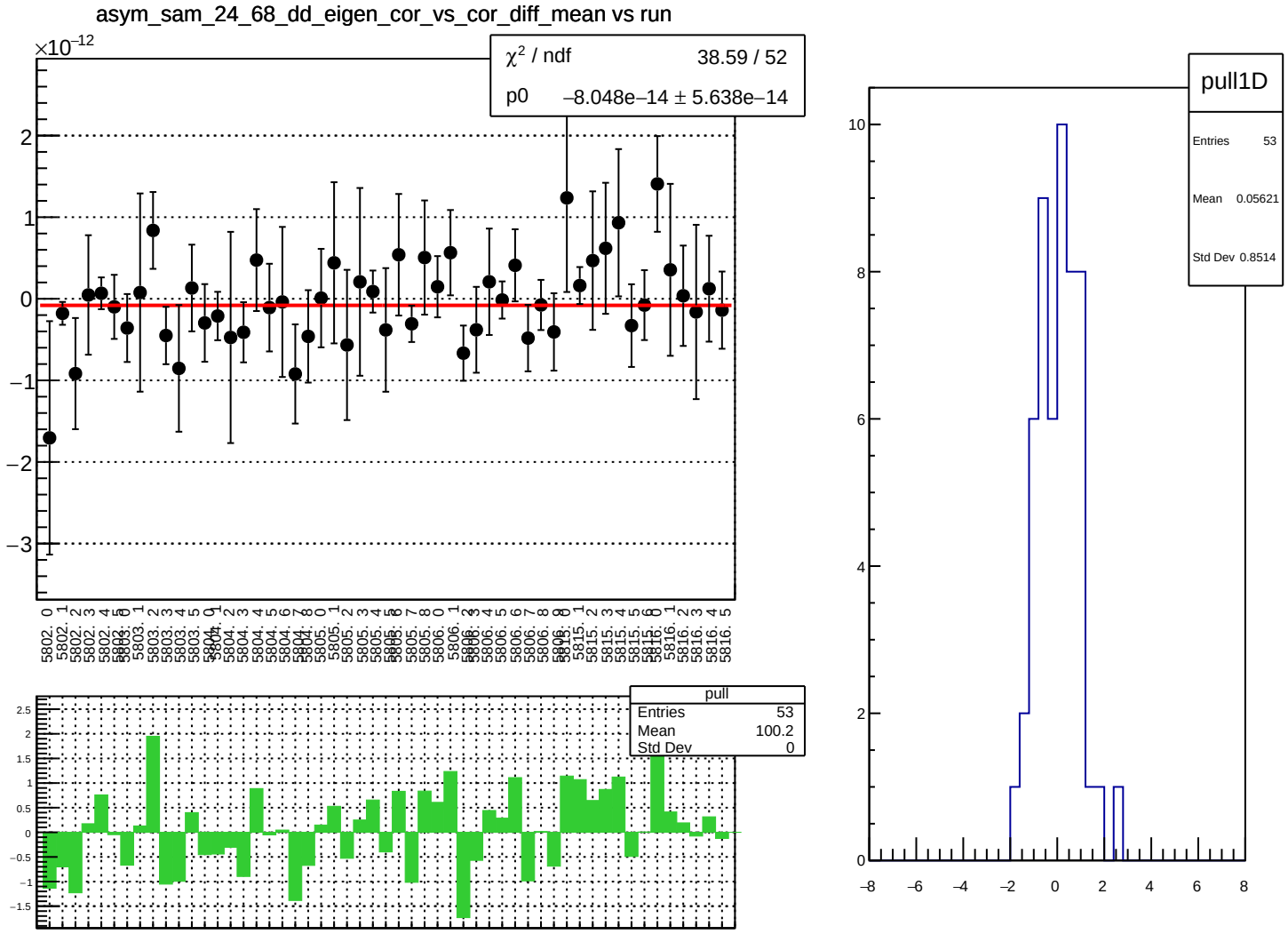
asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

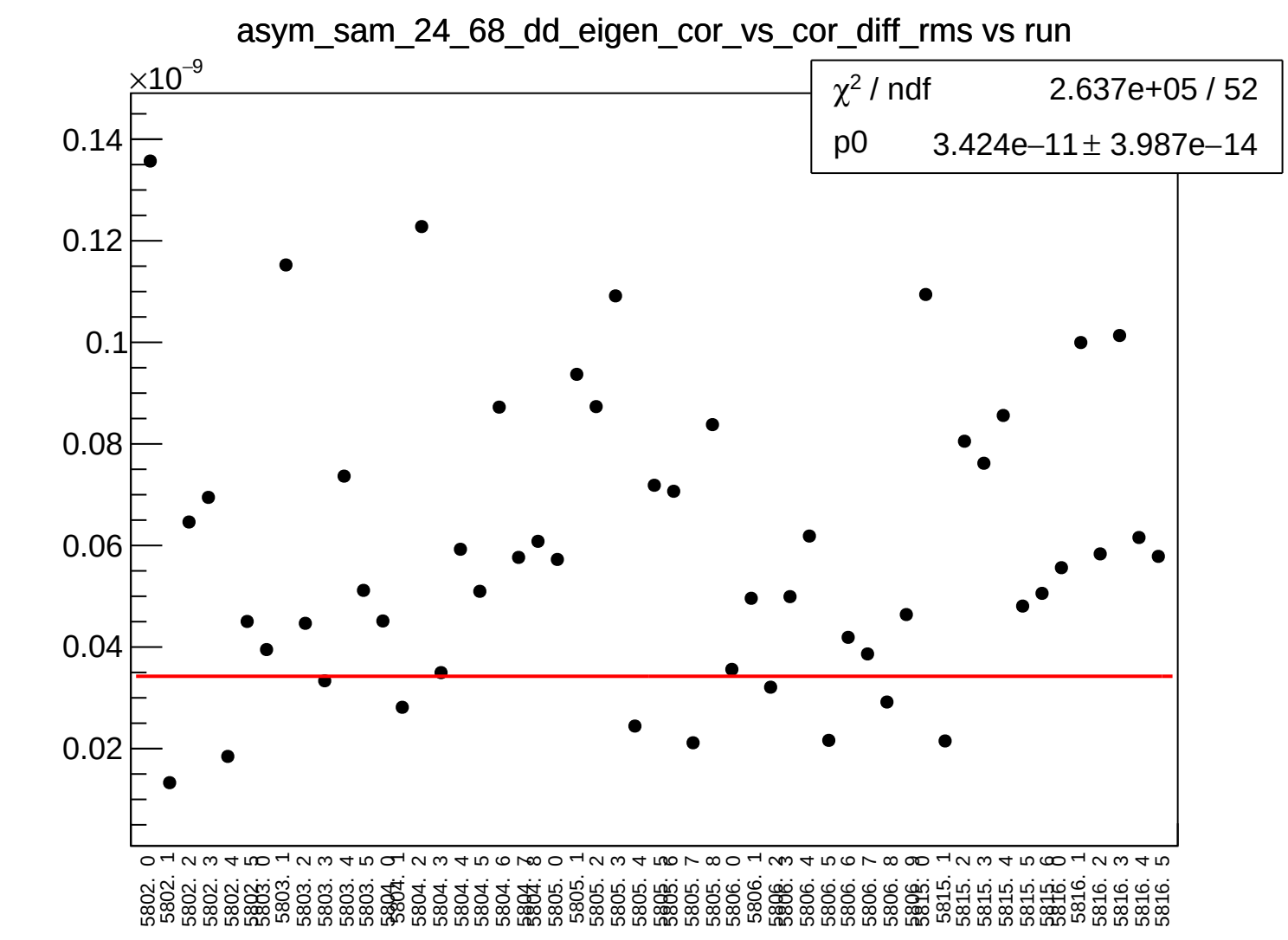


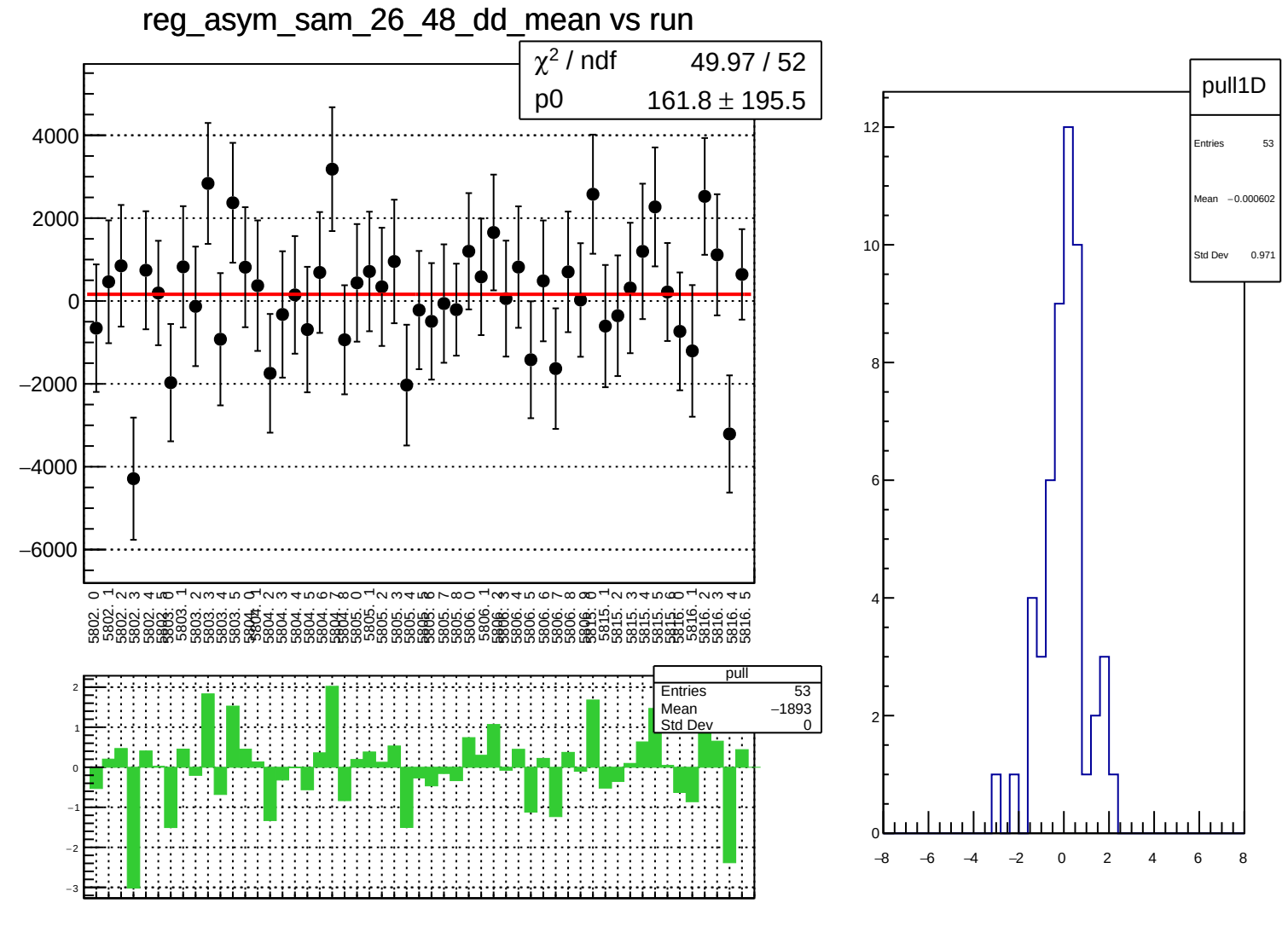


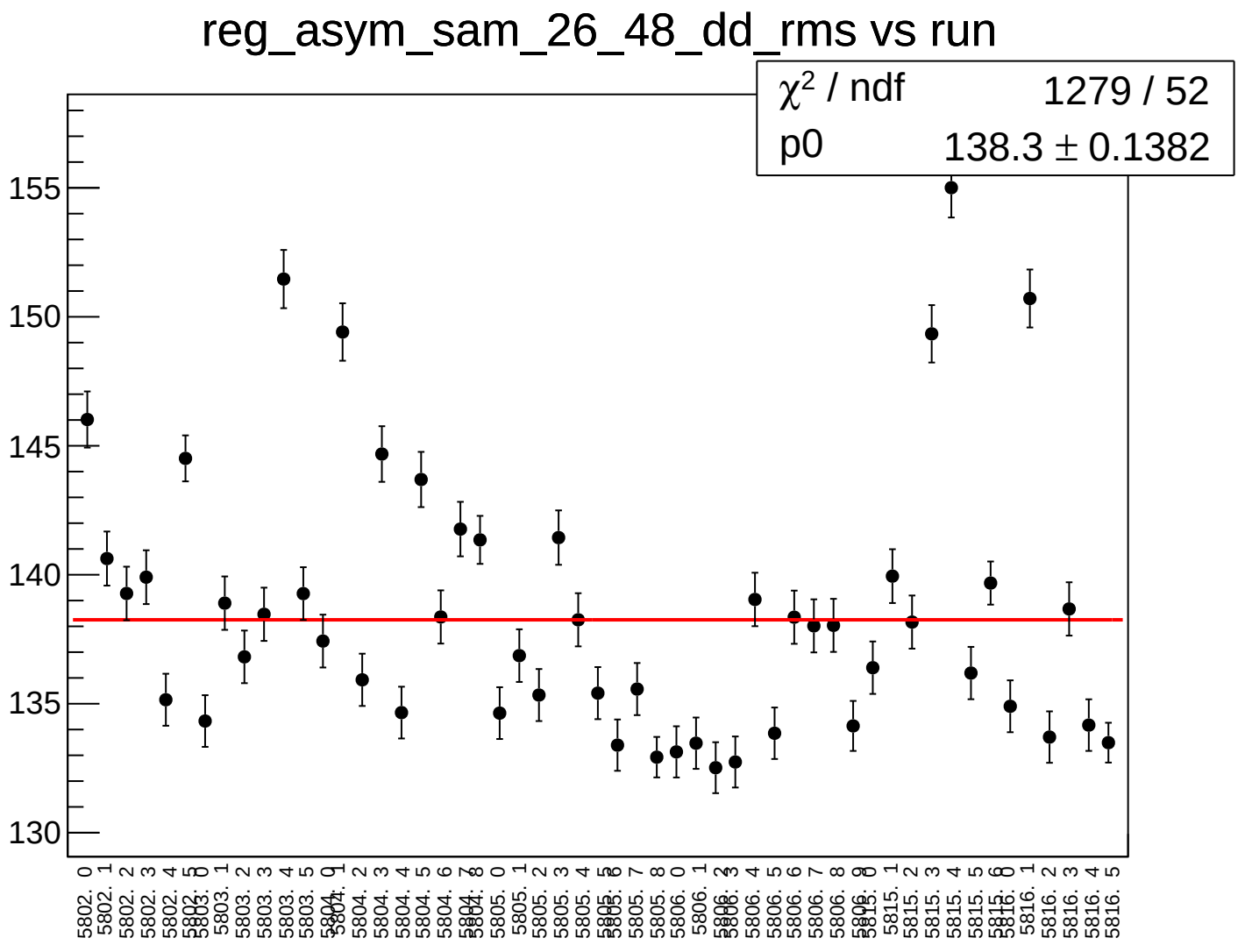


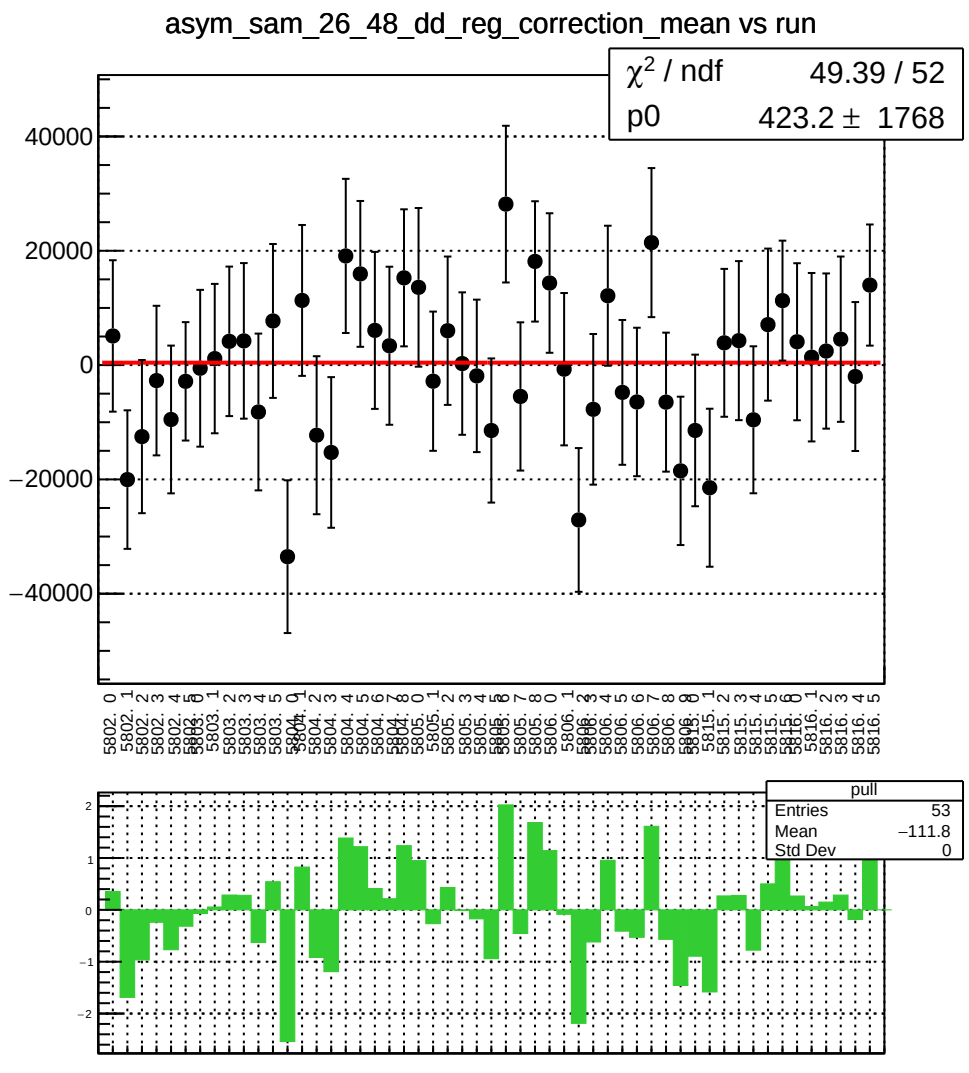

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.167e+04 / 52
p0 63.5 ± 0.06382
80
75
70
65
60
55
50

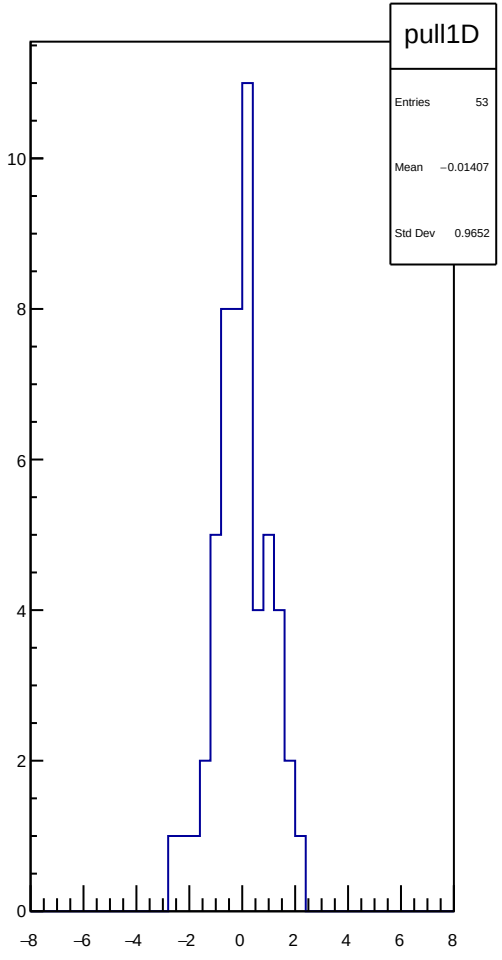

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.59 / 52
p0 −8.048e−14 ± 5.638e−14
pull
Entries 53
Mean 100.2
Std Dev 0
pull1D
Entries 53
Mean 0.05621
Std Dev 0.8514

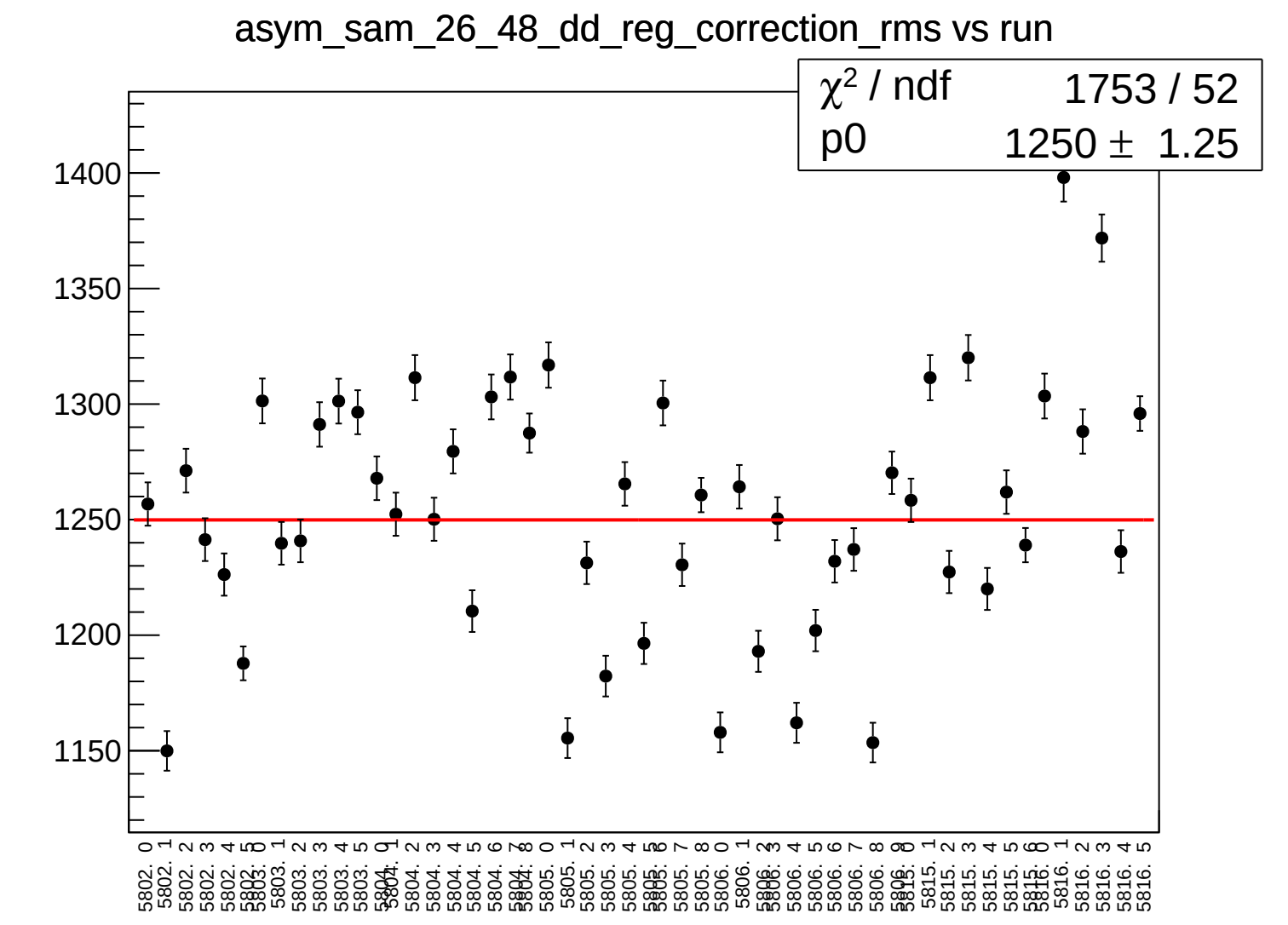

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.637e+05 / 52
p0 3.424e−11 ± 3.987e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

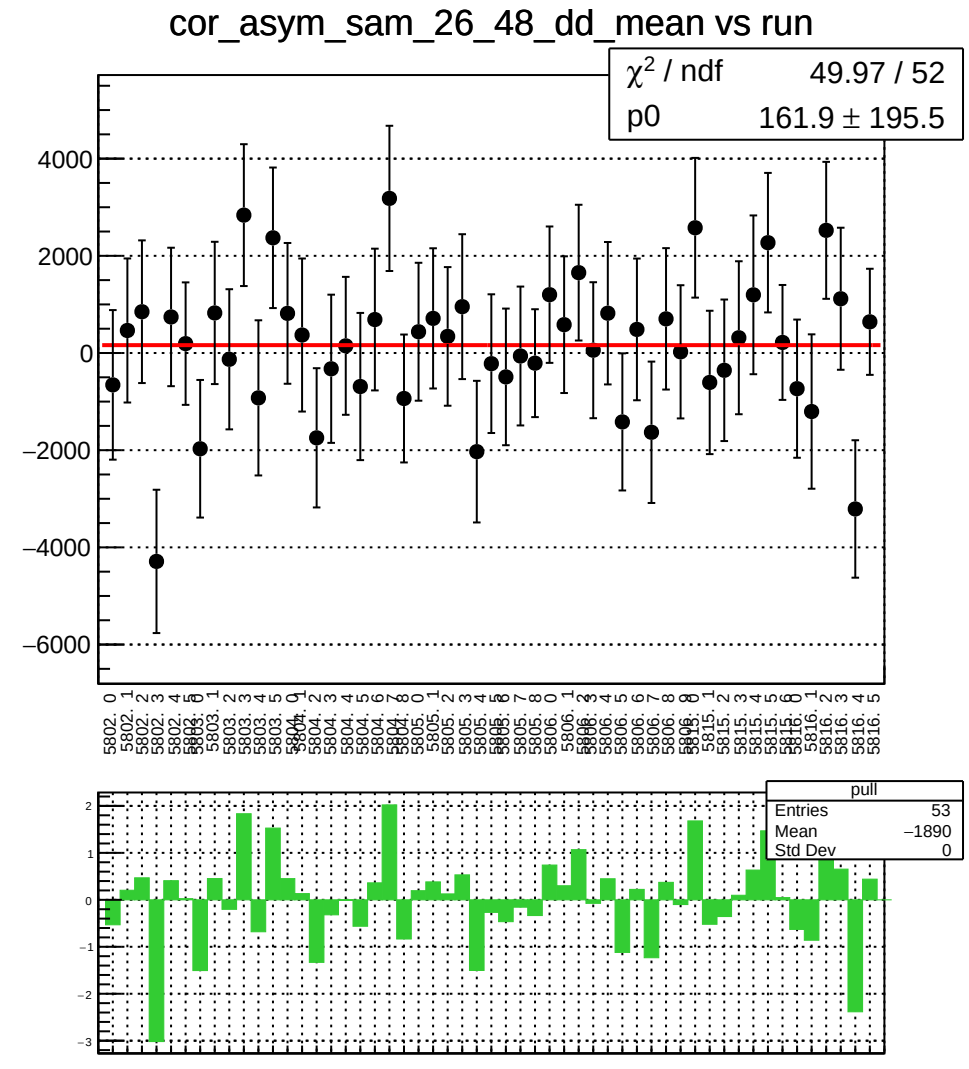

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.97 / 52
p0 161.8 ± 195.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −1893
Std Dev 0
pull1D
Entries 53
Mean −0.000602
Std Dev 0.971

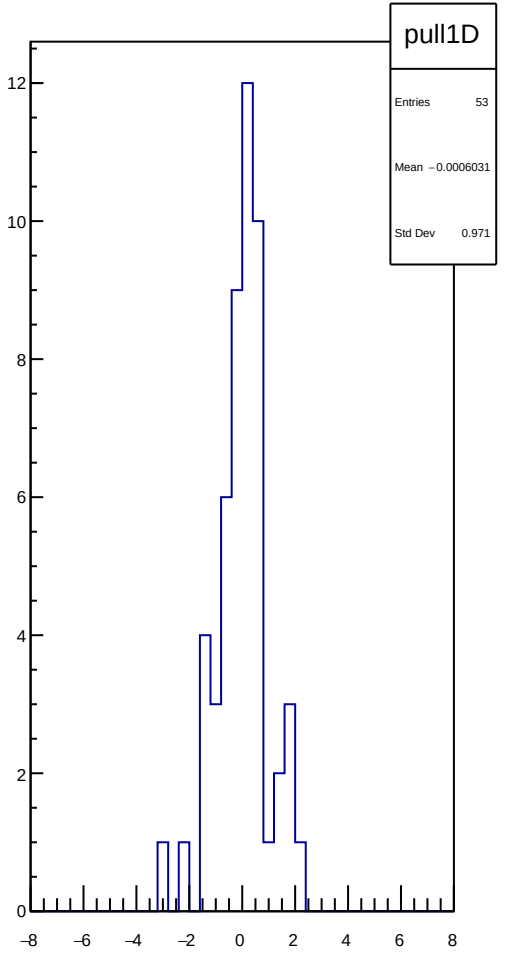

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 1279 / 52
p0 138.3 ± 0.1382
155
150
145
140
135
130

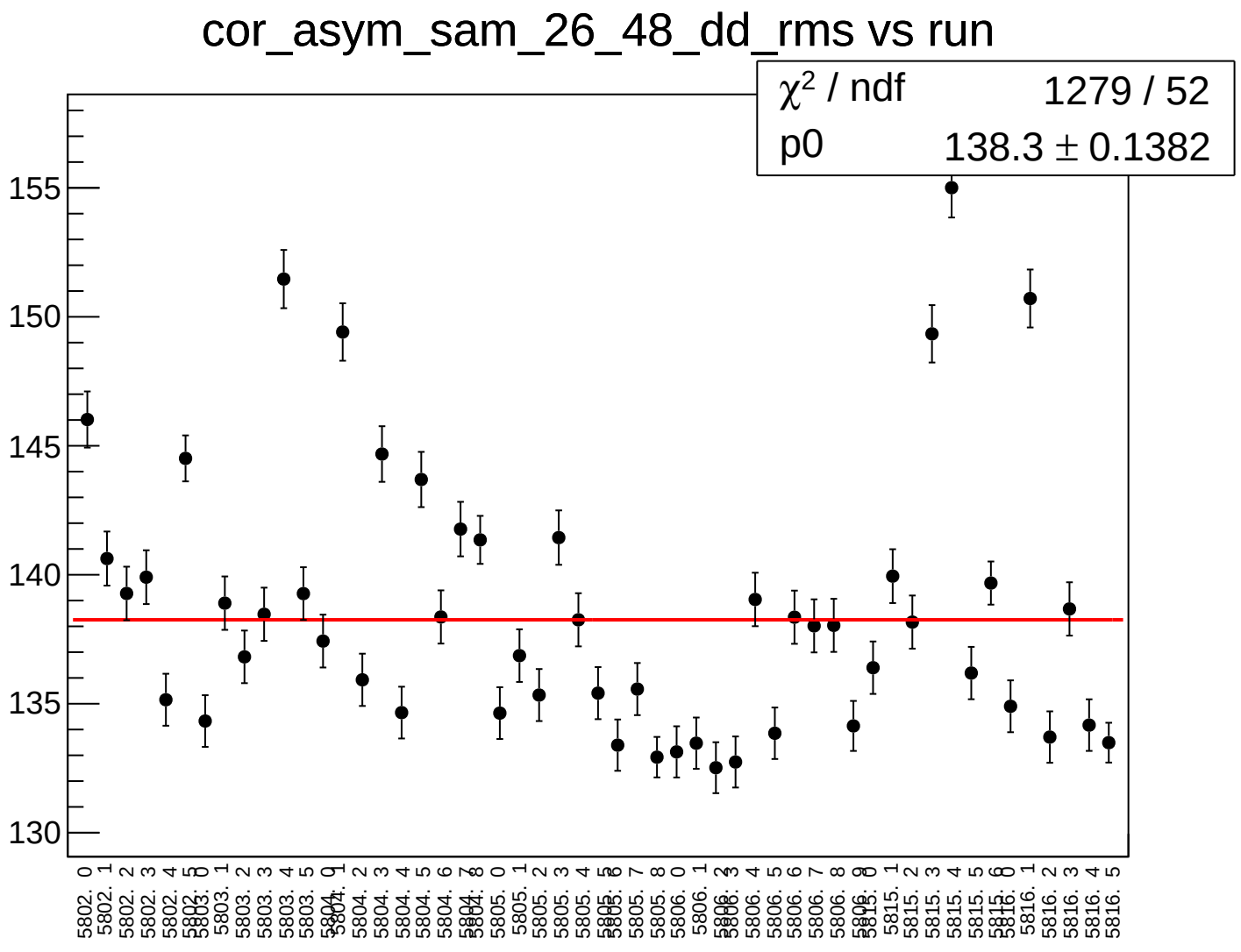

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 49.39 / 52
p0 423.2 ± 1768
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −111.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01407
Std Dev 0.9652
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 1753 / 52
p0 1250 ± 1.25
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.97 / 52
p0 161.9 ± 195.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −1890
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.0006031
Std Dev 0.971
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1279 / 52
p0 138.3 ± 0.1382
155
150
145
140
135
130
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
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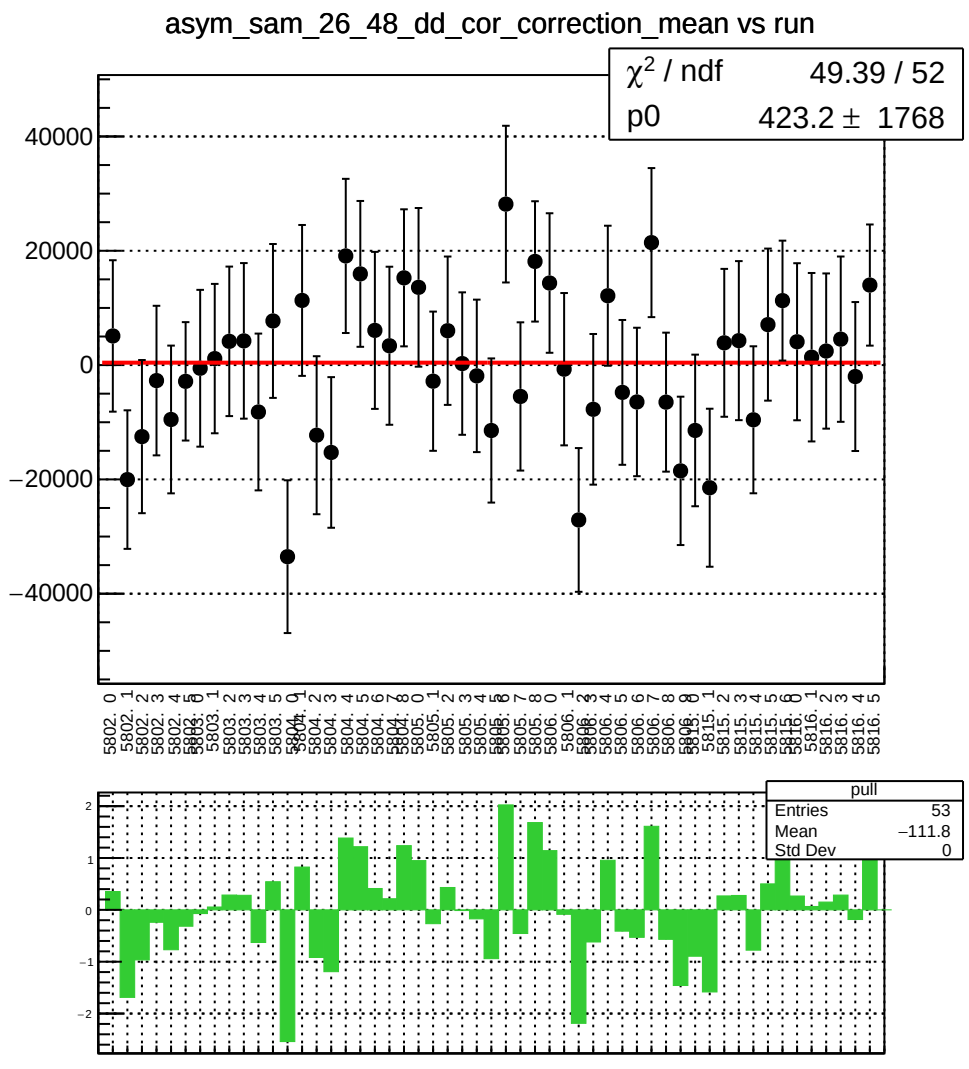
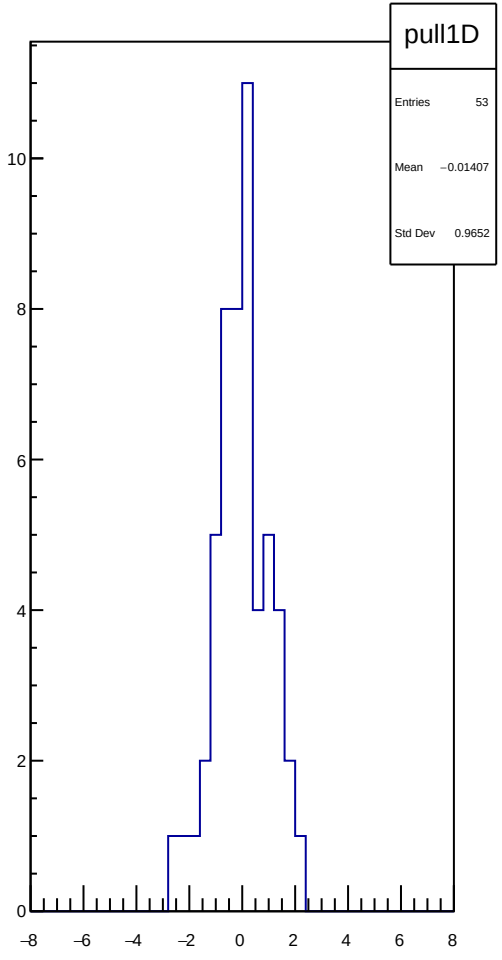
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 49.39 / 52
p0 423.2 ± 1768
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −111.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01407
Std Dev 0.9652
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8
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4
2
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−6
−4
−2
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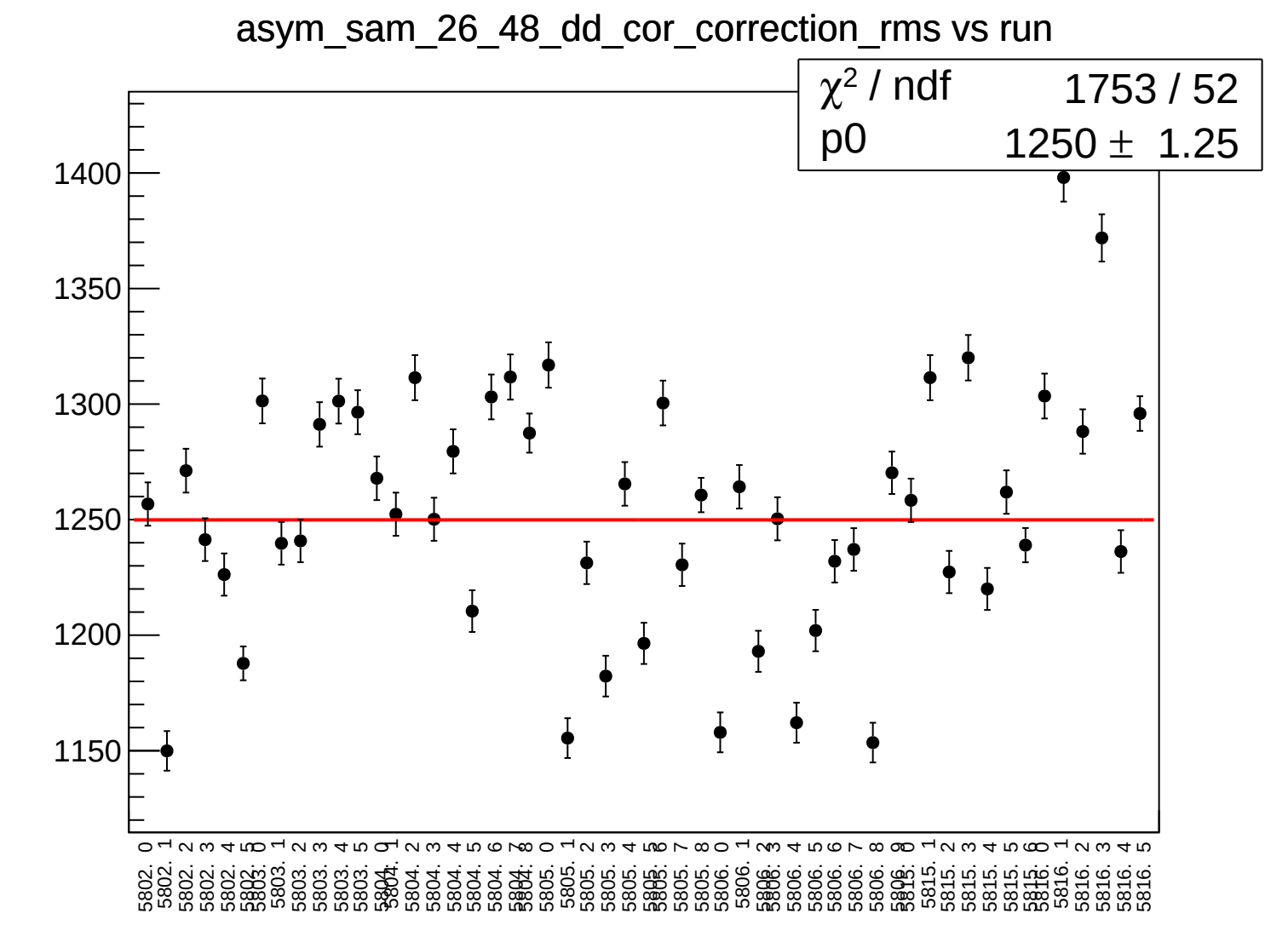
2
4
6
8


asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1753 / 52
p0 1250 ± 1.25
1400
1350
1300
1250
1200
1150
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
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5805. 2
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5805. 7
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5806. 0
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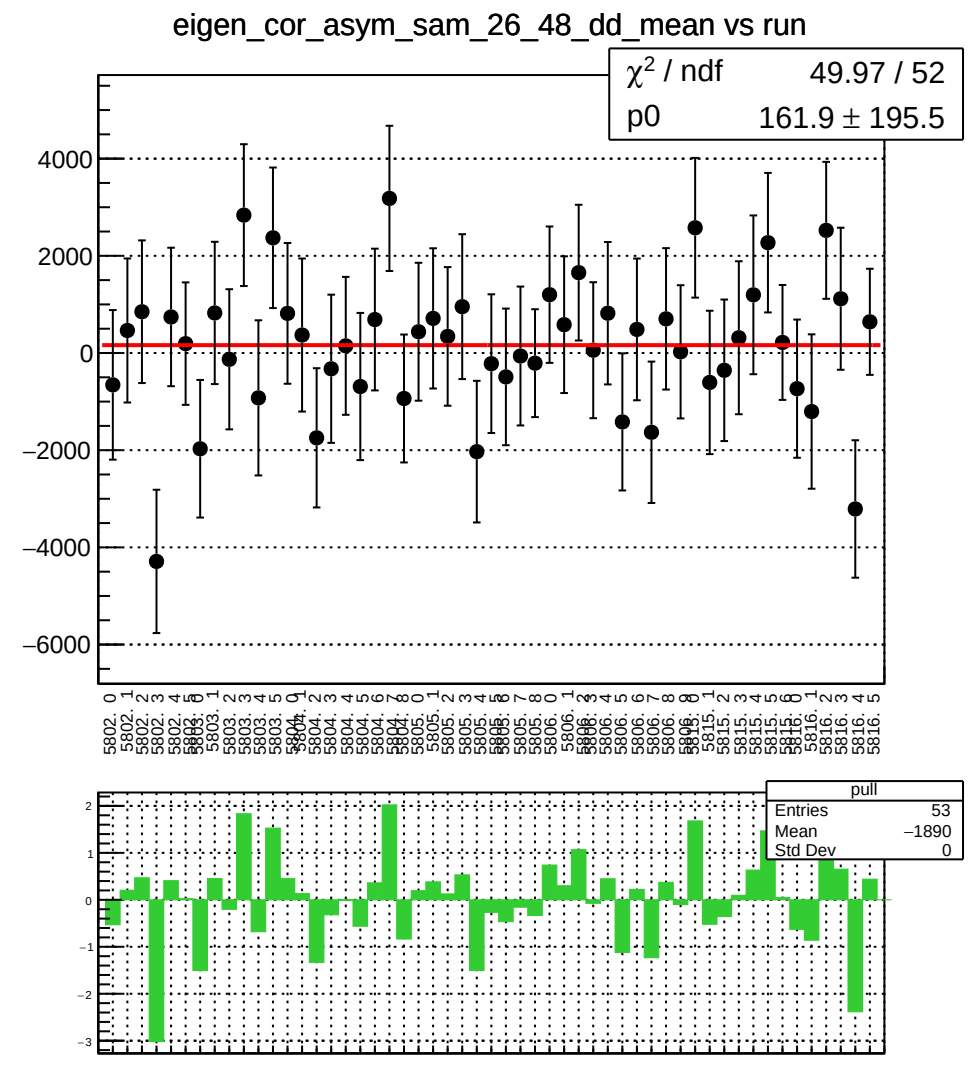
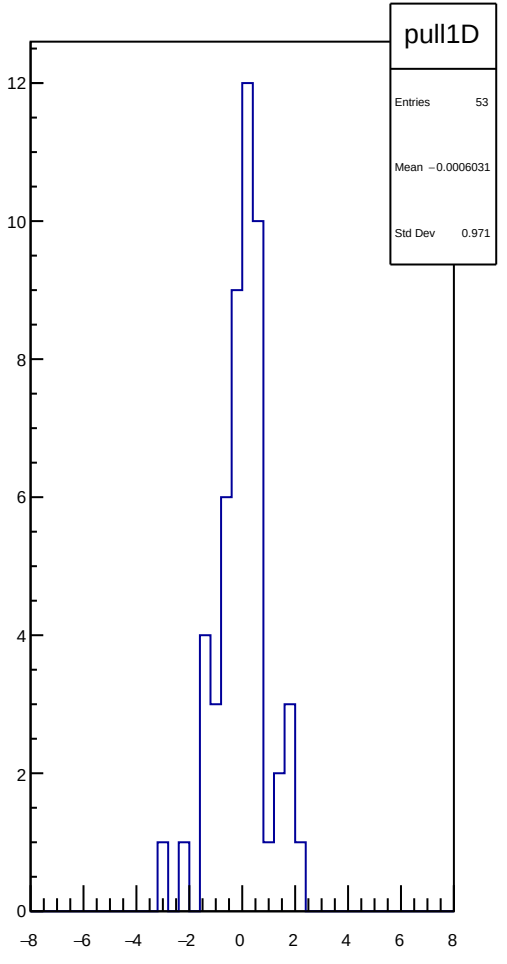
5816. 4
5816. 5


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 49.97 / 52
p0 161.9 ± 195.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −1890
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.0006031
Std Dev 0.971
12
10
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4
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−8
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−4
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2
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6
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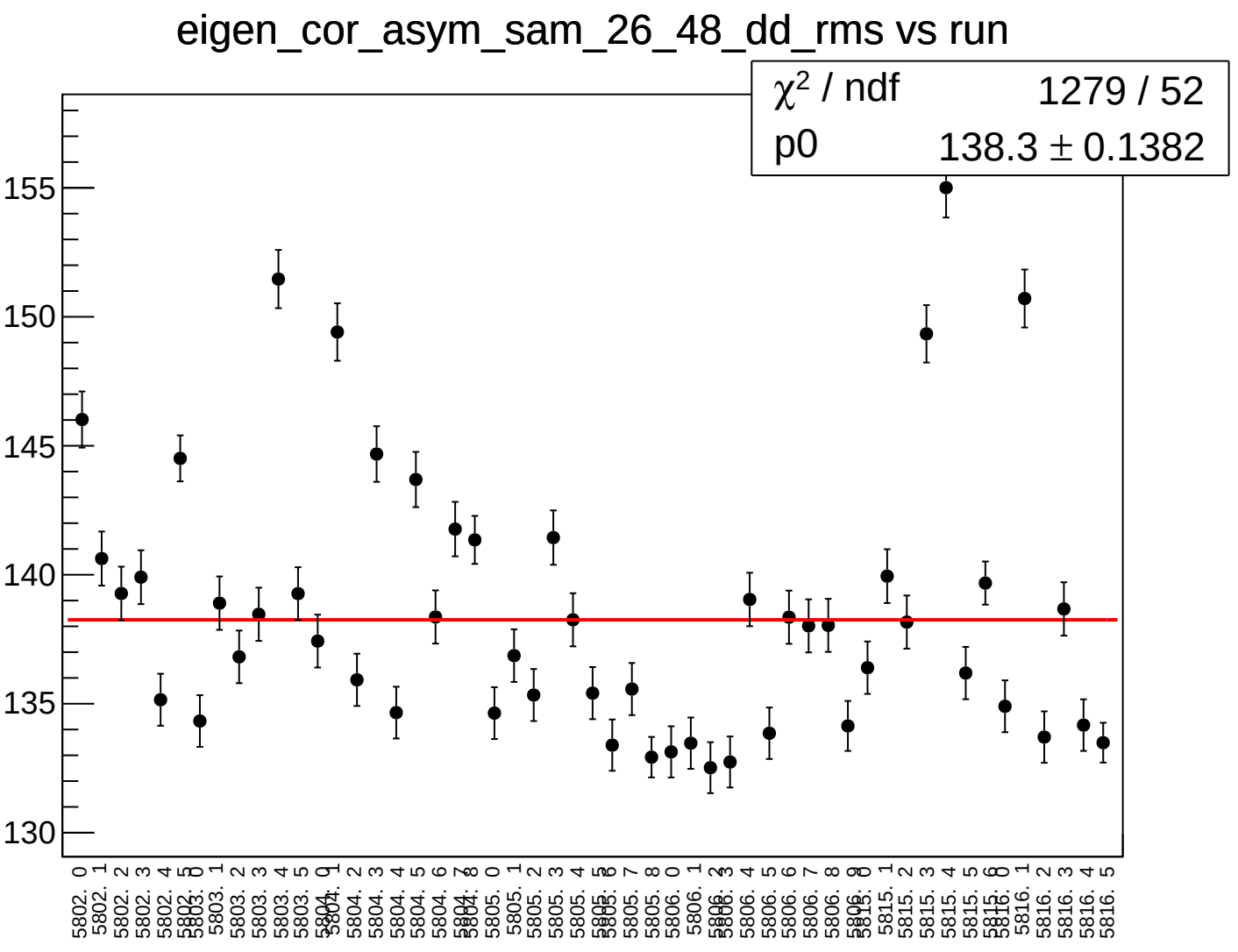
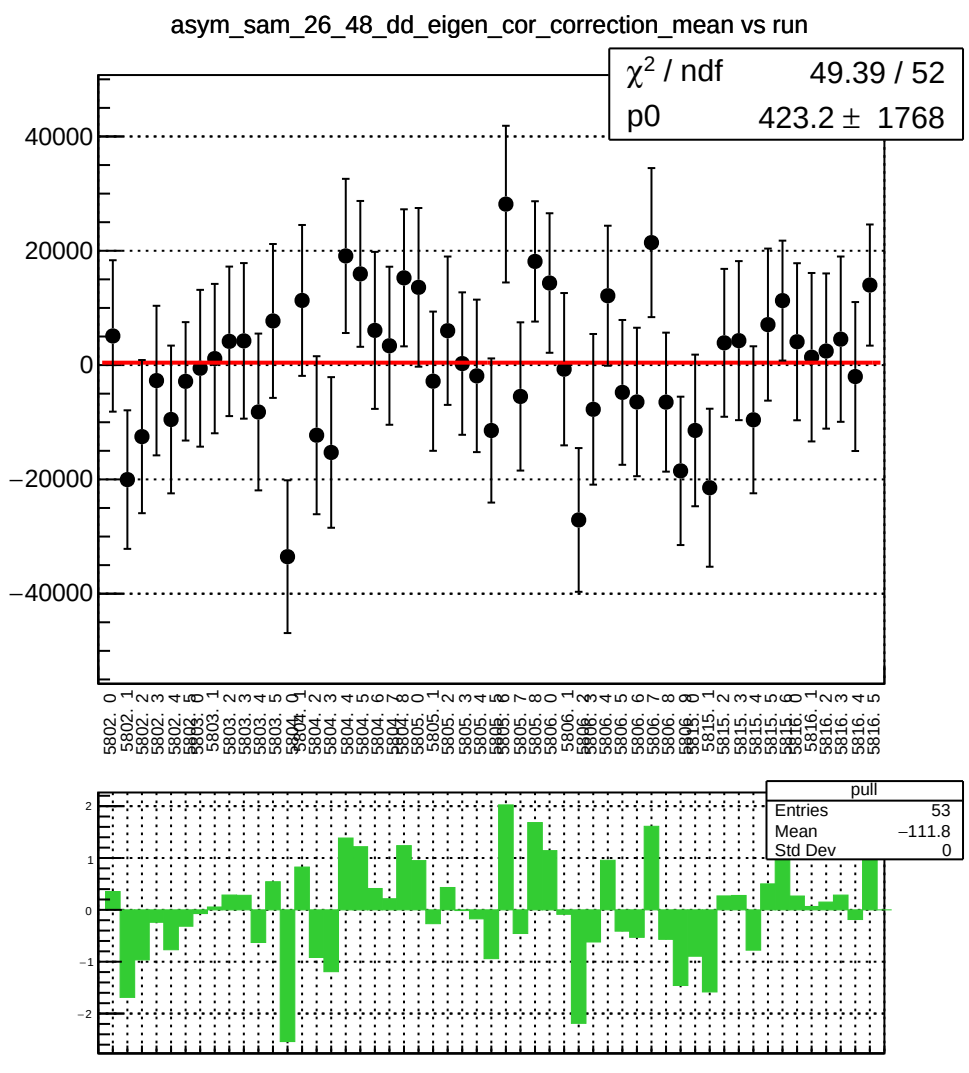
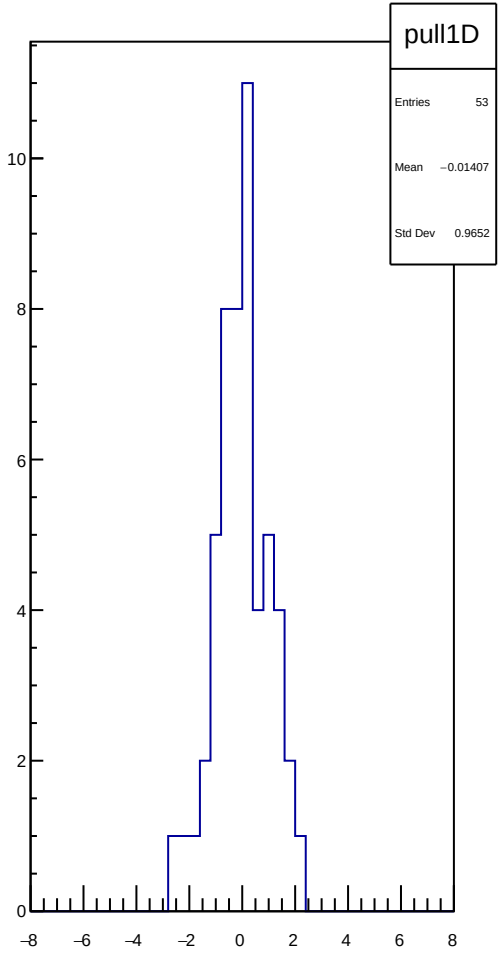

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1279 / 52
p0 138.3 ± 0.1382
155
150
145
140
135
130


asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.39 / 52
p0 423.2 ± 1768
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −111.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01407
Std Dev 0.9652
10
8
6
4
2
0
−8
−6
−4
−2
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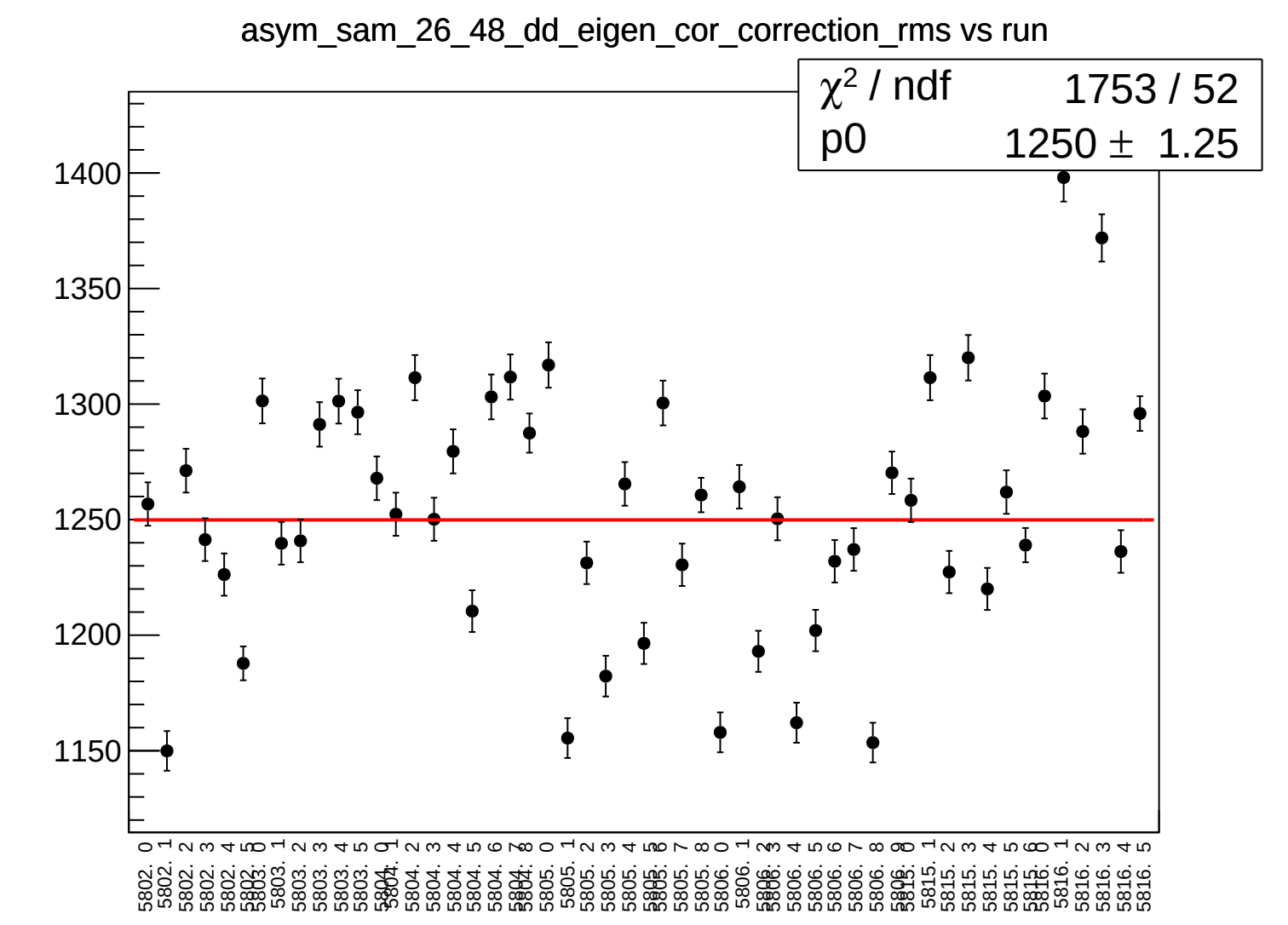
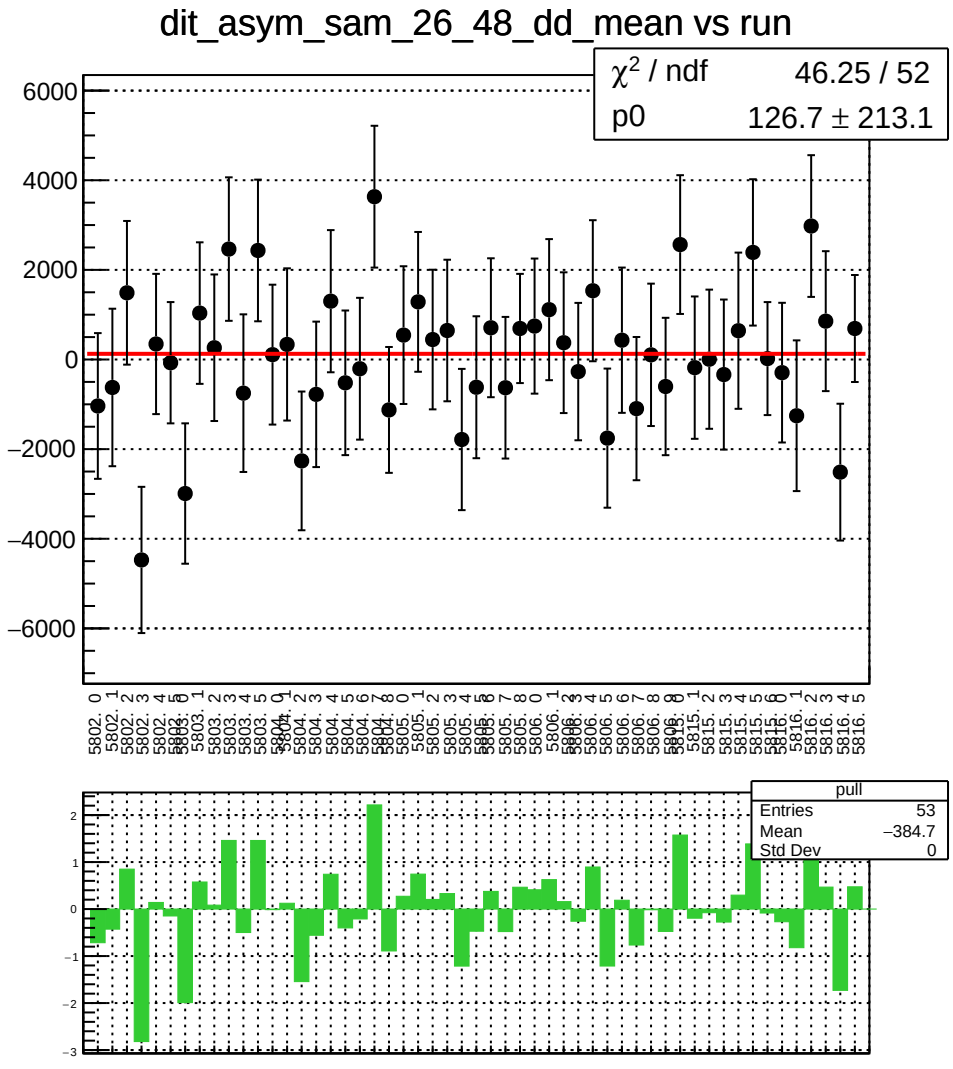
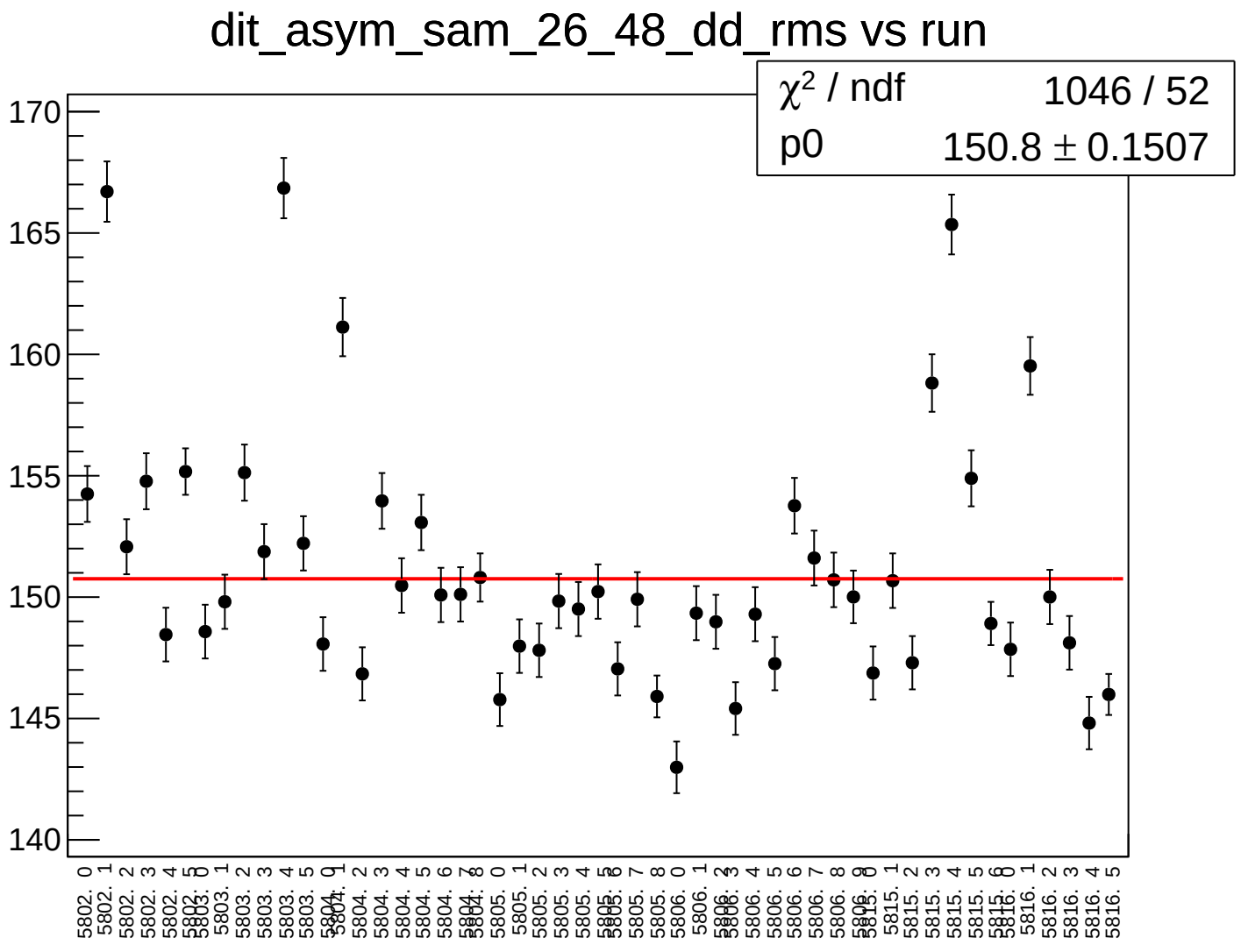
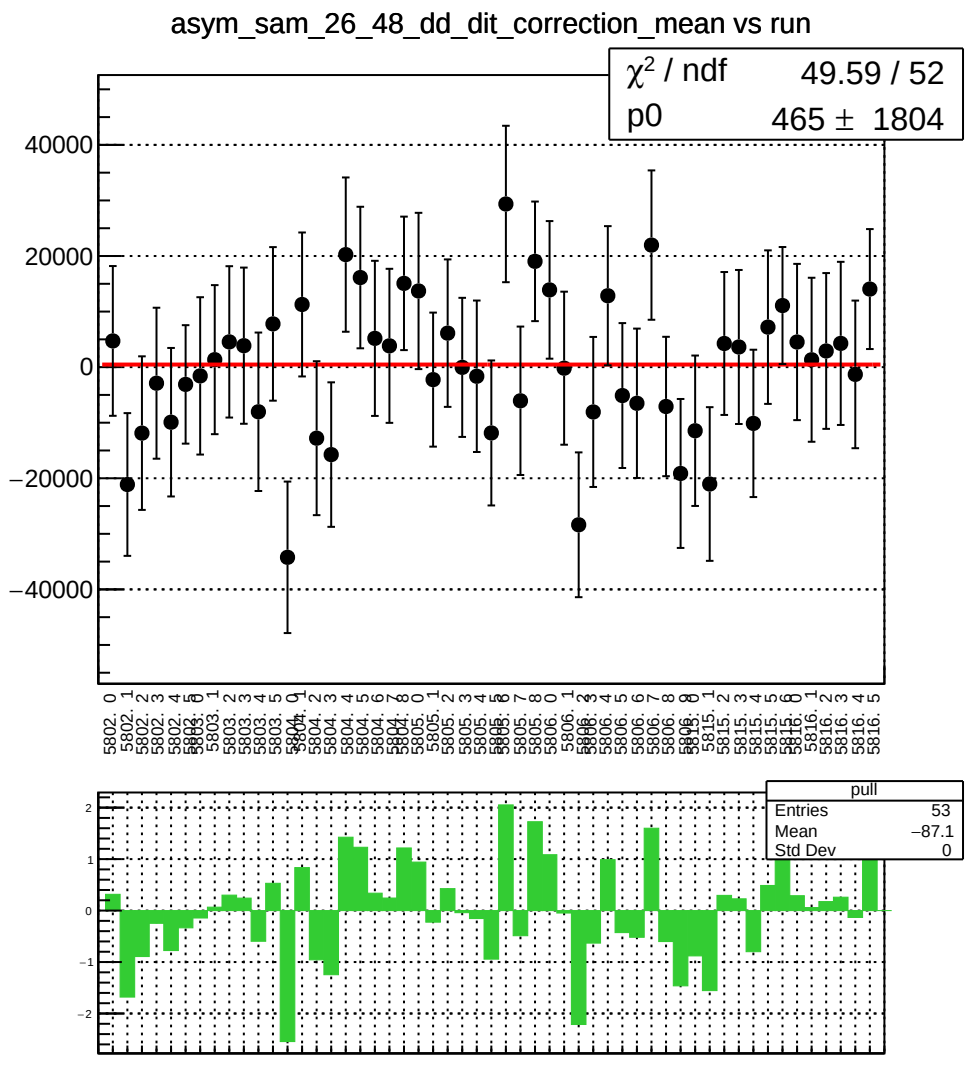
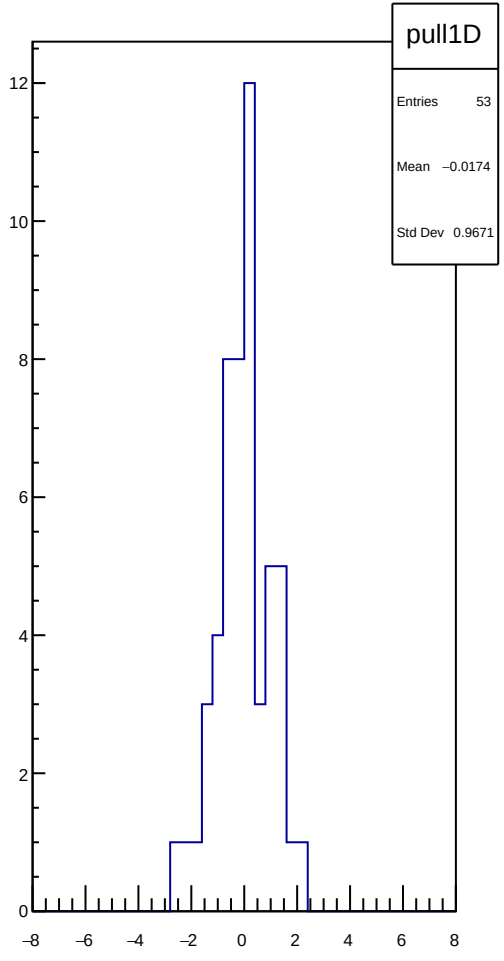
2
4
6
8


asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1753 / 52
p0 1250 ± 1.25
1400
1350
1300
1250
1200
1150


dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 46.25 / 52
p0 126.7 ± 213.1
pull
Entries 53
Mean −384.7
Std Dev 0
pull1D
Entries 53
Mean −0.004505
Std Dev 0.9342


dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1046 / 52
p0 150.8 ± 0.1507
170
165
160
155
150
145
140


asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 49.59 / 52
p0 465 ± 1804
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −87.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0174
Std Dev 0.9671
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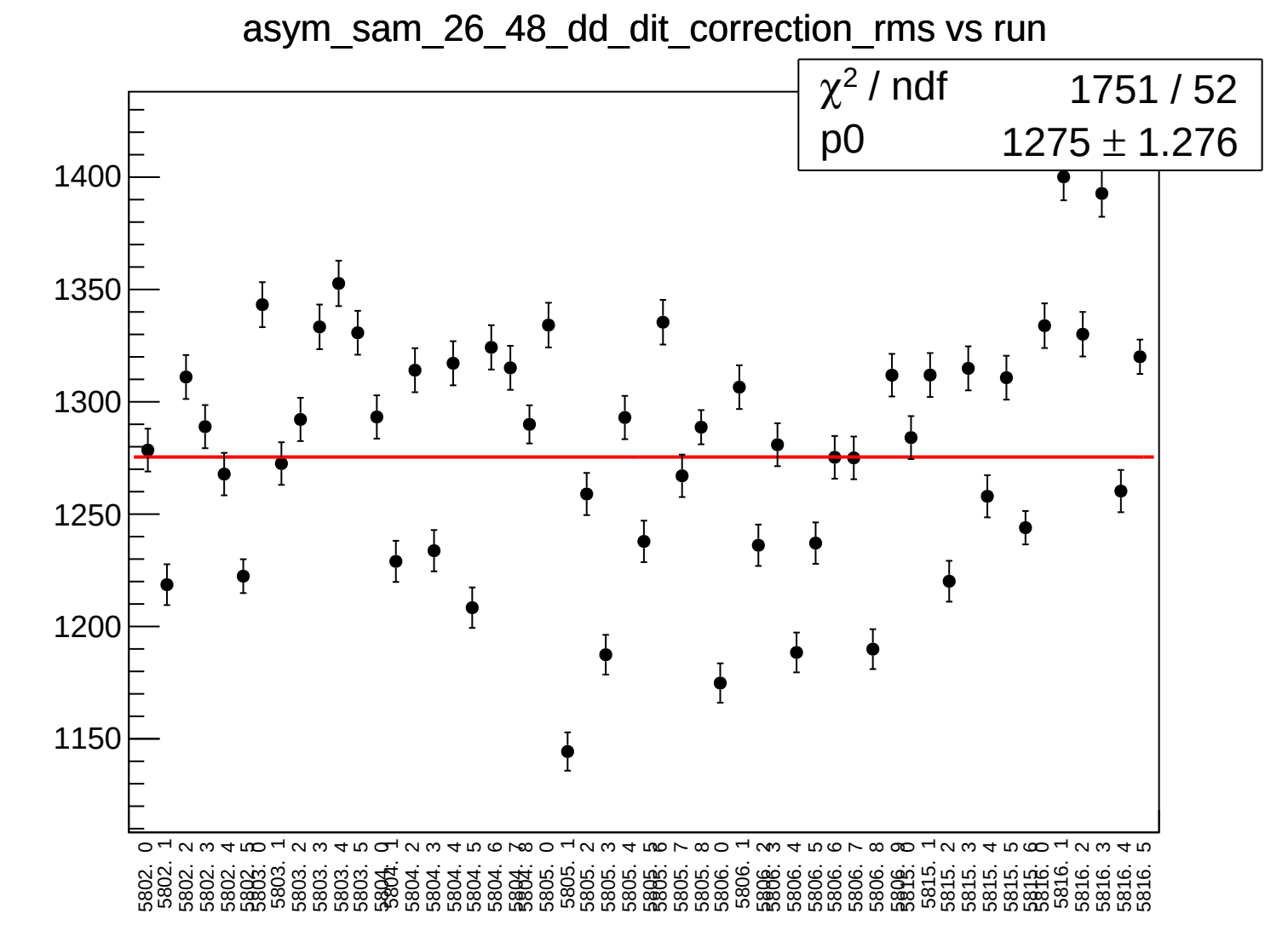
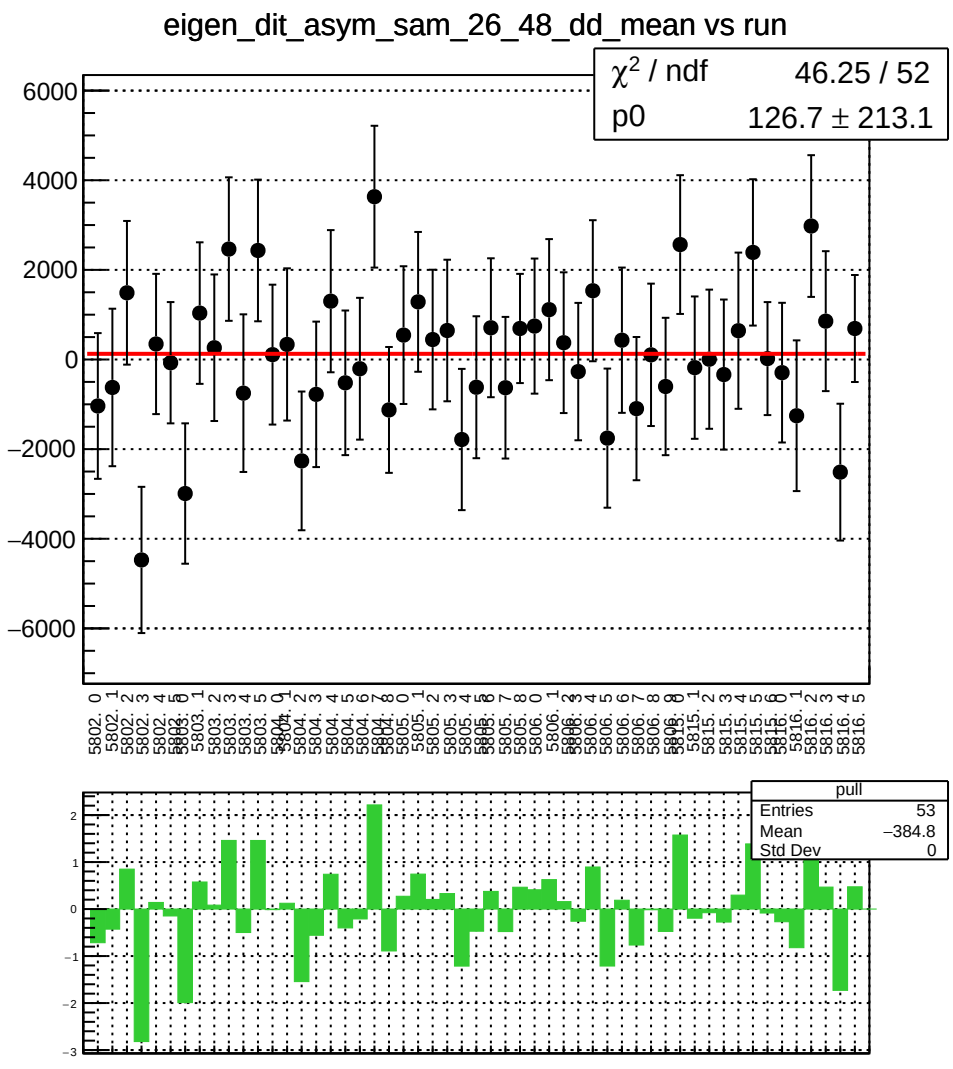
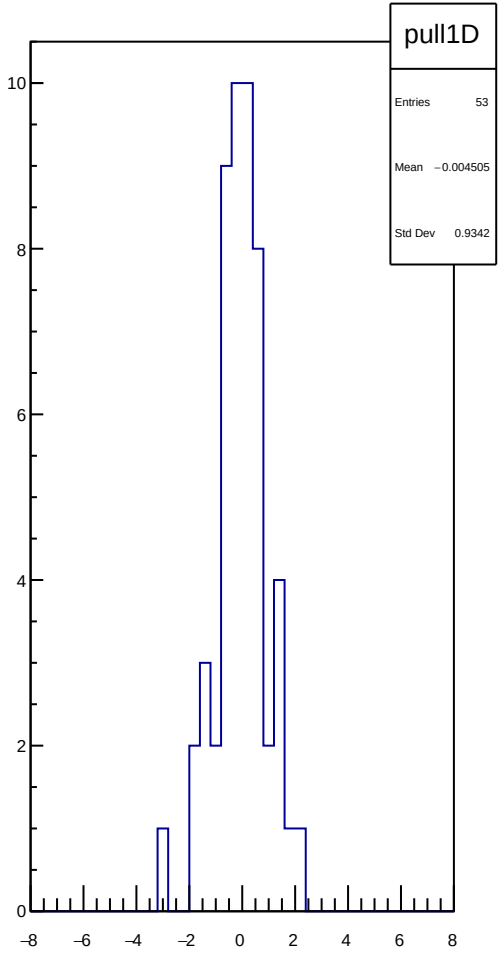
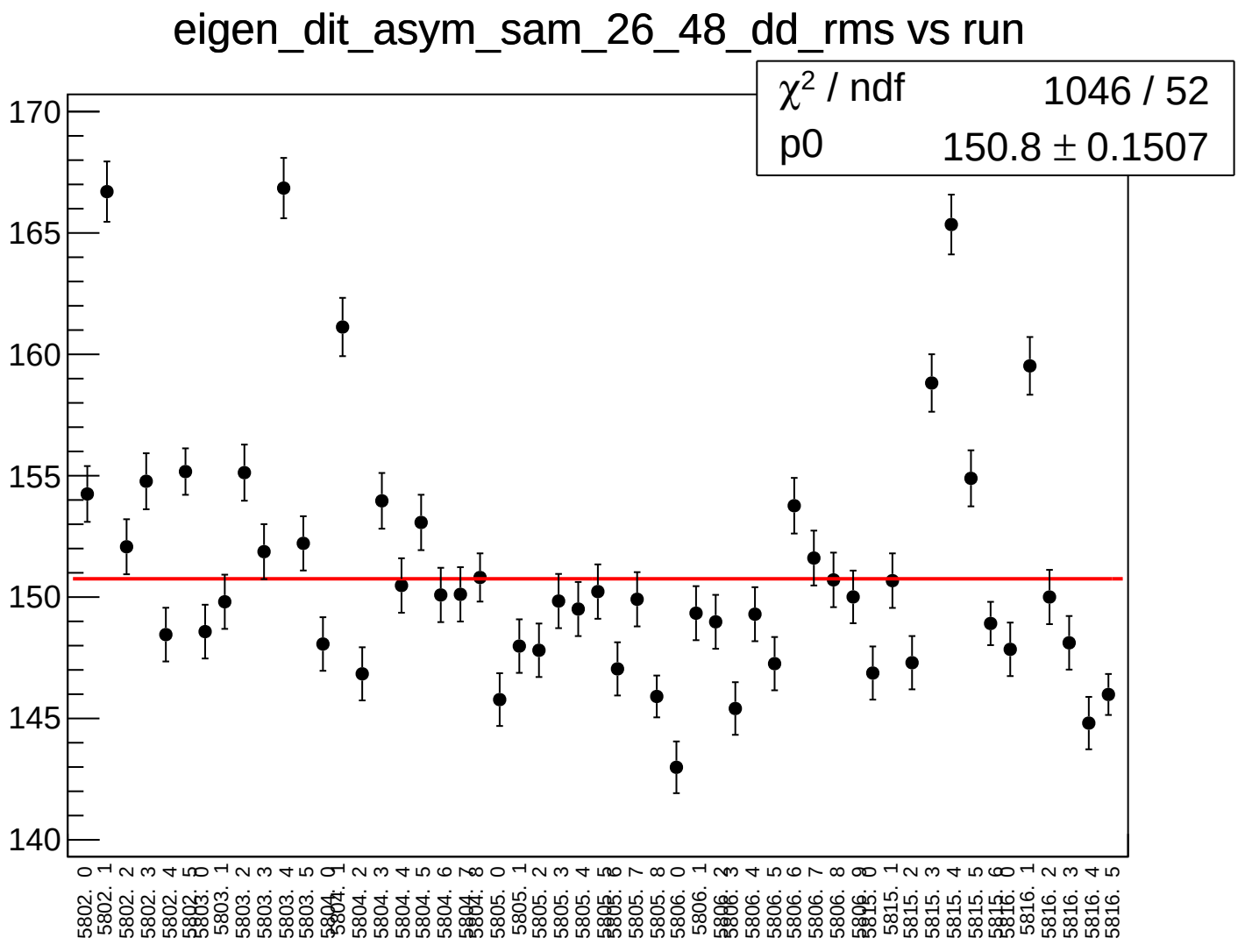
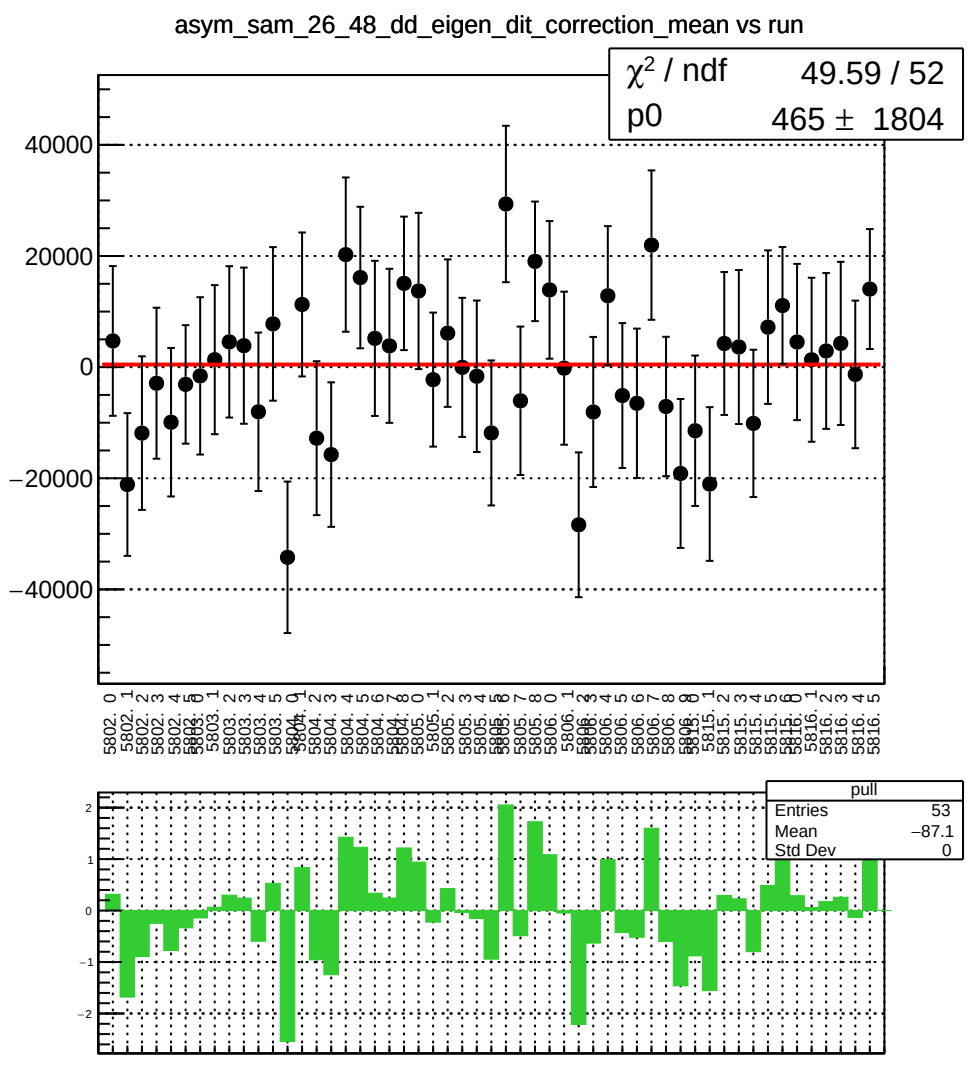
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

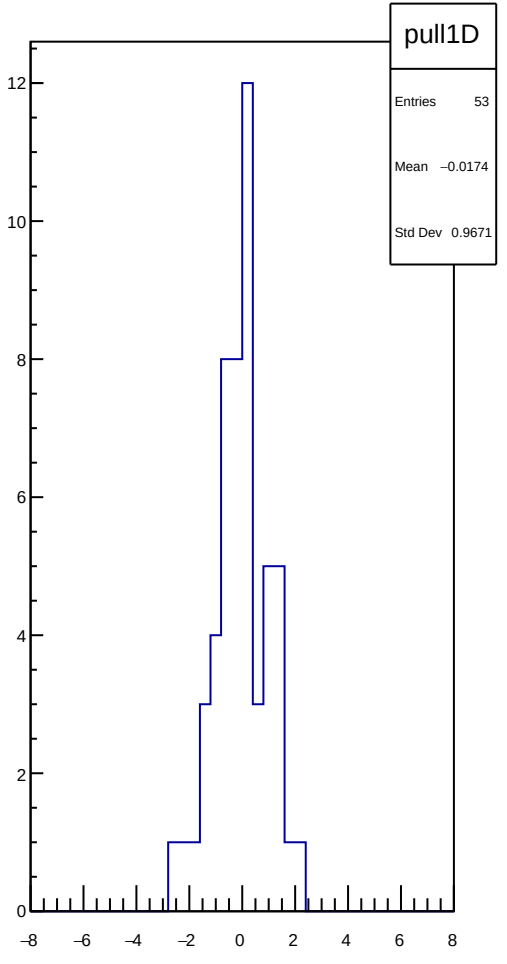

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1751 / 52
p0 1275 ± 1.276
1400
1350
1300
1250
1200
1150


eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 46.25 / 52
p0 126.7 ± 213.1
pull
Entries 53
Mean −384.8
Std Dev 0


pull1D
Entries 53
Mean −0.004505
Std Dev 0.9342


eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1046 / 52
p0 150.8 ± 0.1507
170
165
160
155
150
145
140


asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.59 / 52
p0 465 ± 1804
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −87.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0174
Std Dev 0.9671
12
10
8
6
4
2
0
−8
−6
−4
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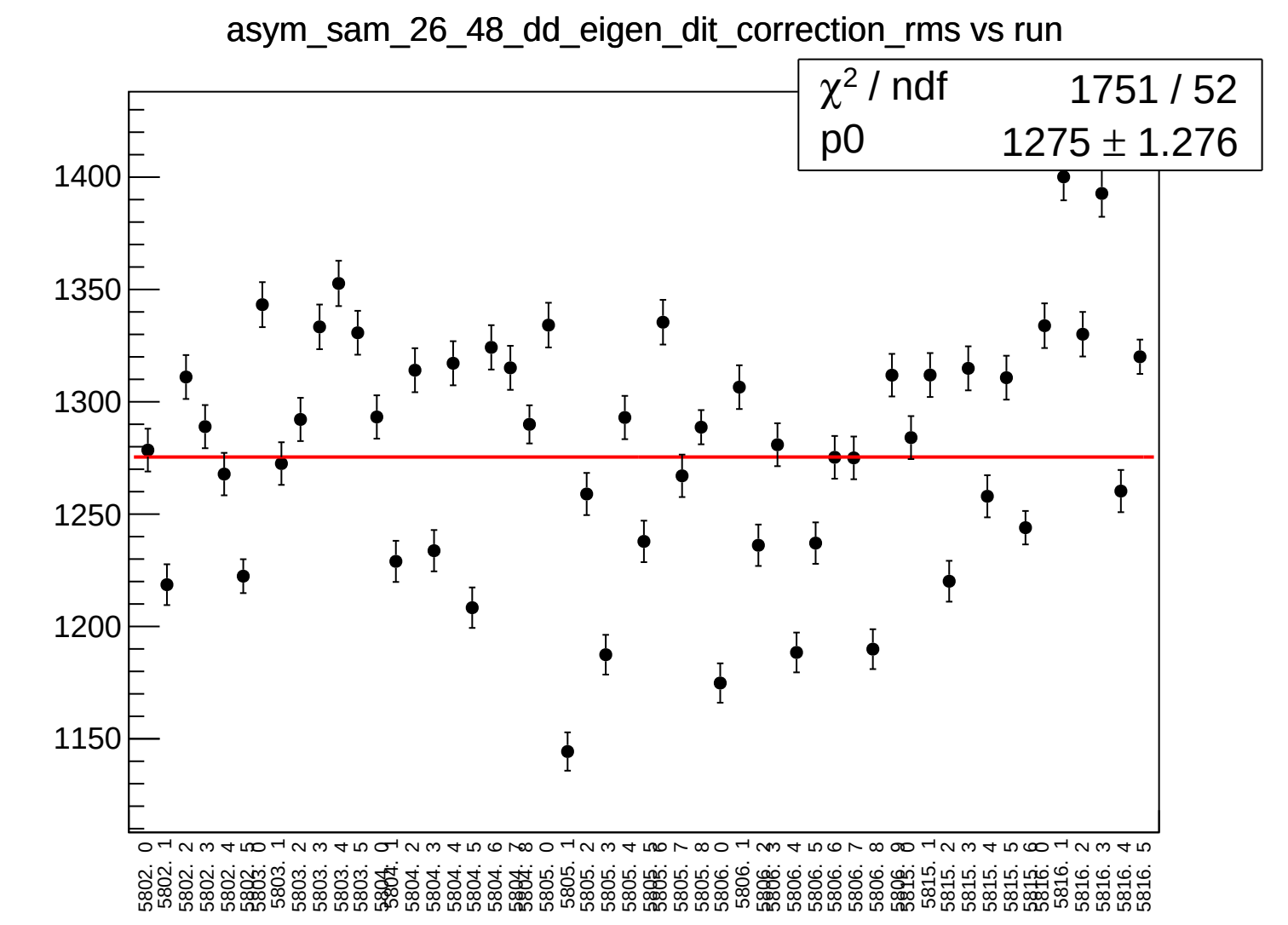
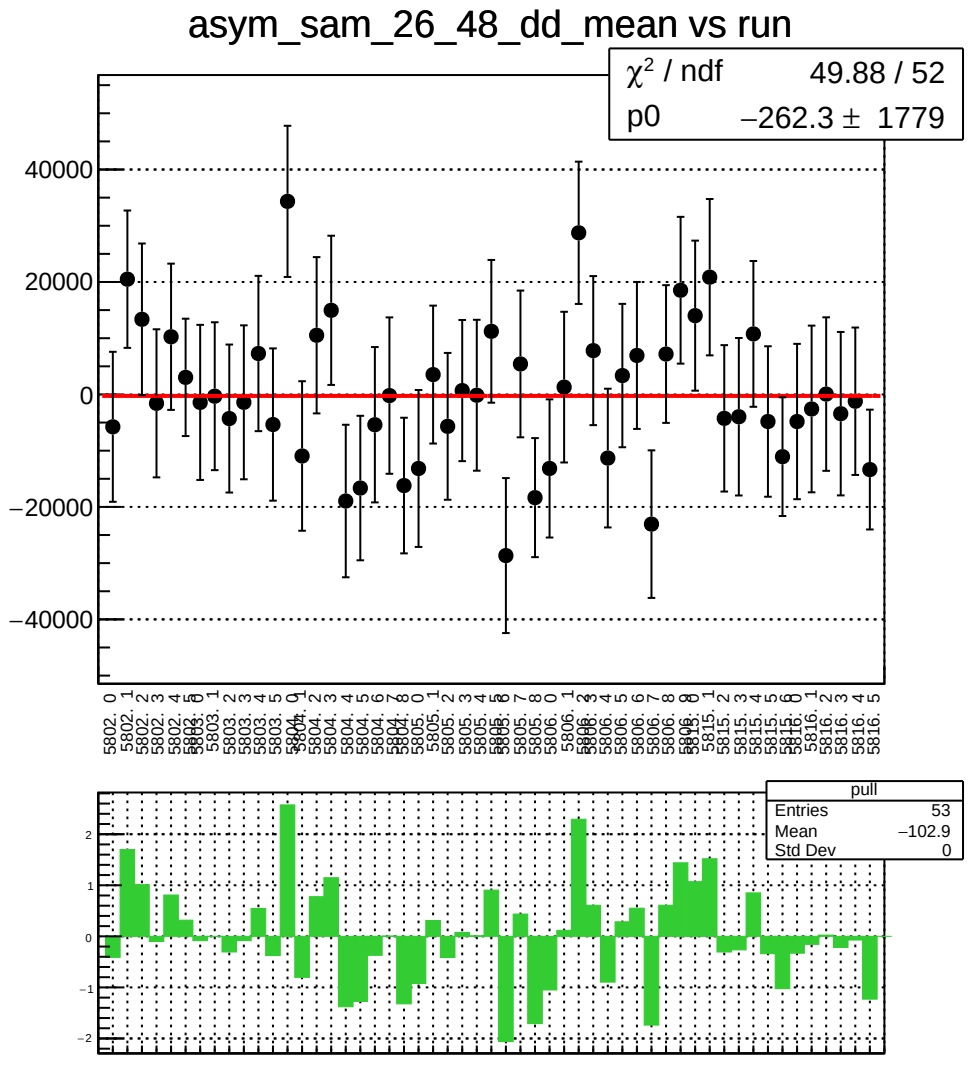
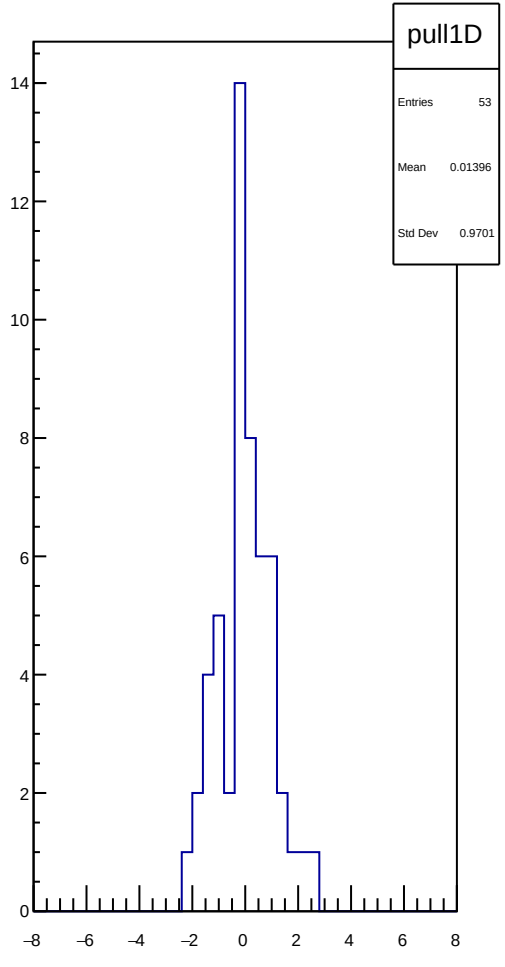
0
2
4
6
8


asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1751 / 52
p0 1275 ± 1.276
1400
1350
1300
1250
1200
1150


asym_sam_26_48_dd_mean vs run
χ² / ndf 49.88 / 52
p0 −262.3 ± 1779
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −102.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.01396
Std Dev 0.9701
14
12
10
8
6
4
2
0
−8
−6
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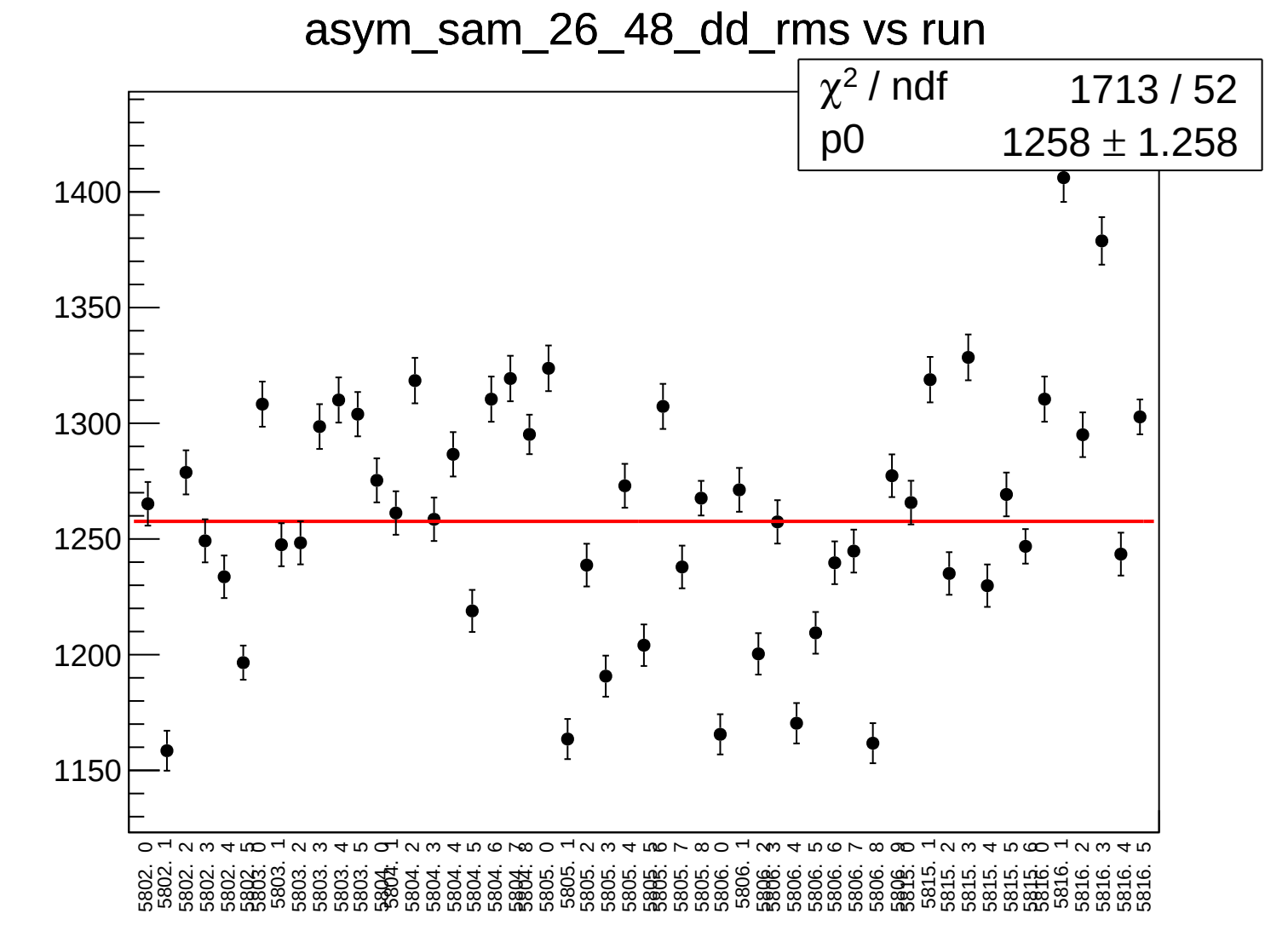
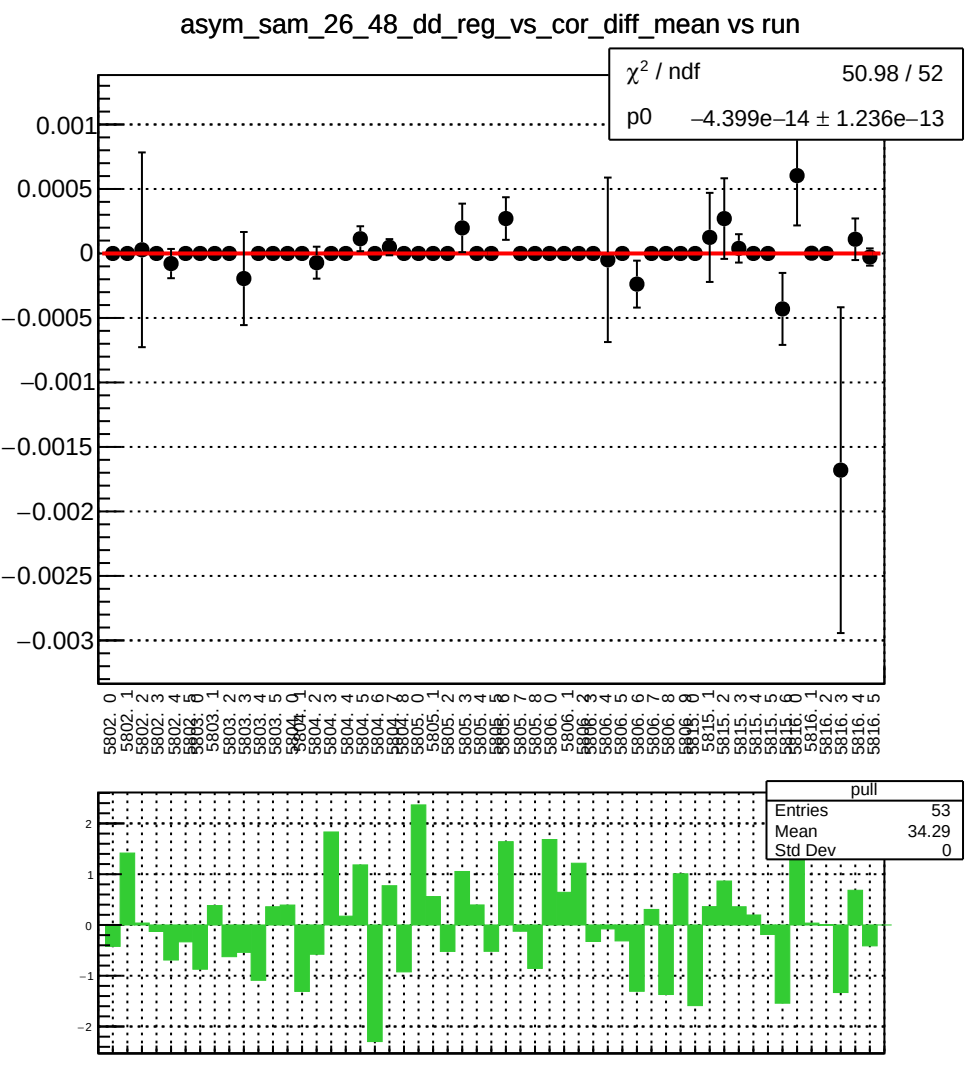
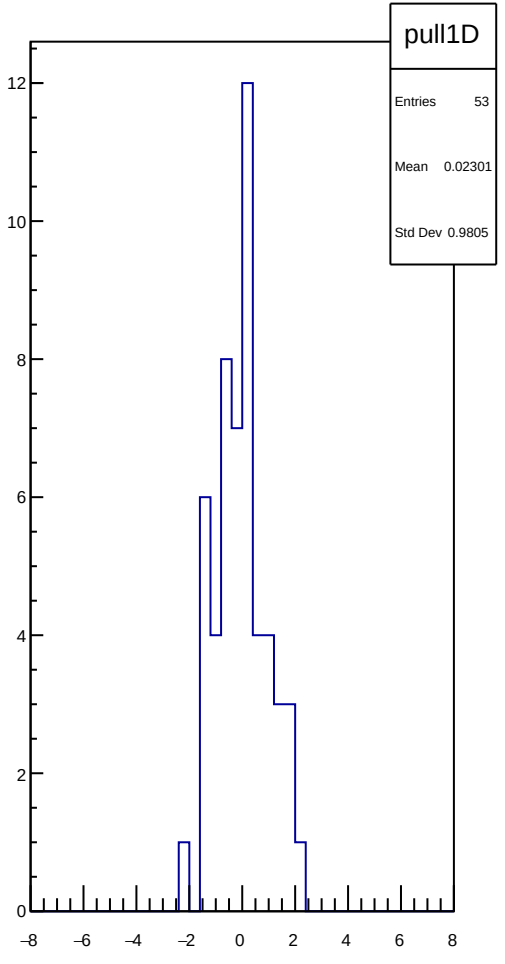
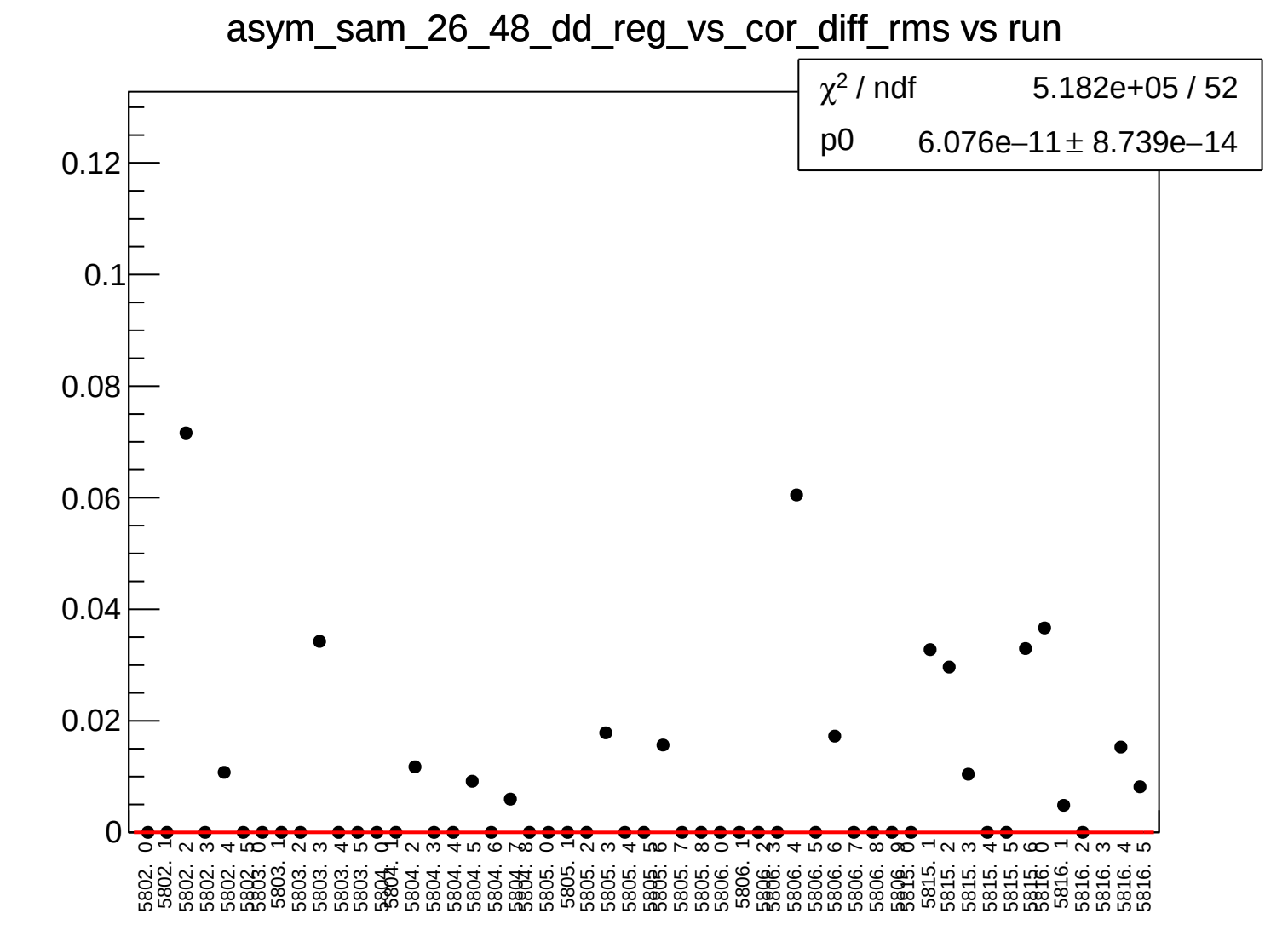
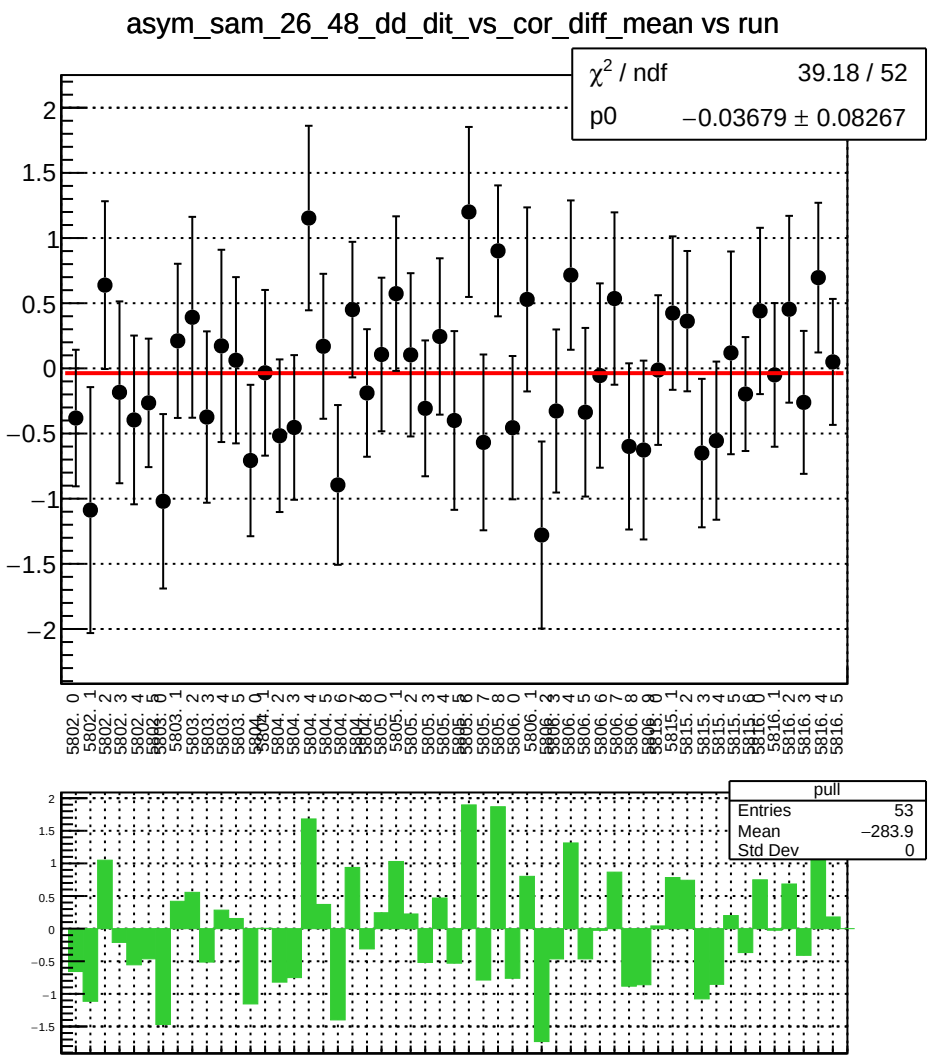
0
2
4
6
8

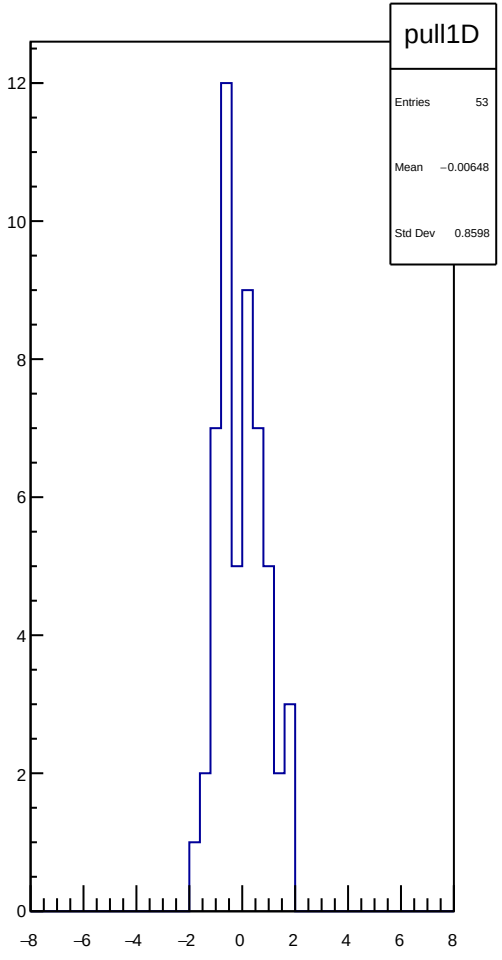

asym_sam_26_48_dd_rms vs run
χ² / ndf 1713 / 52
p0 1258 ± 1.258
1400
1350
1300
1250
1200
1150

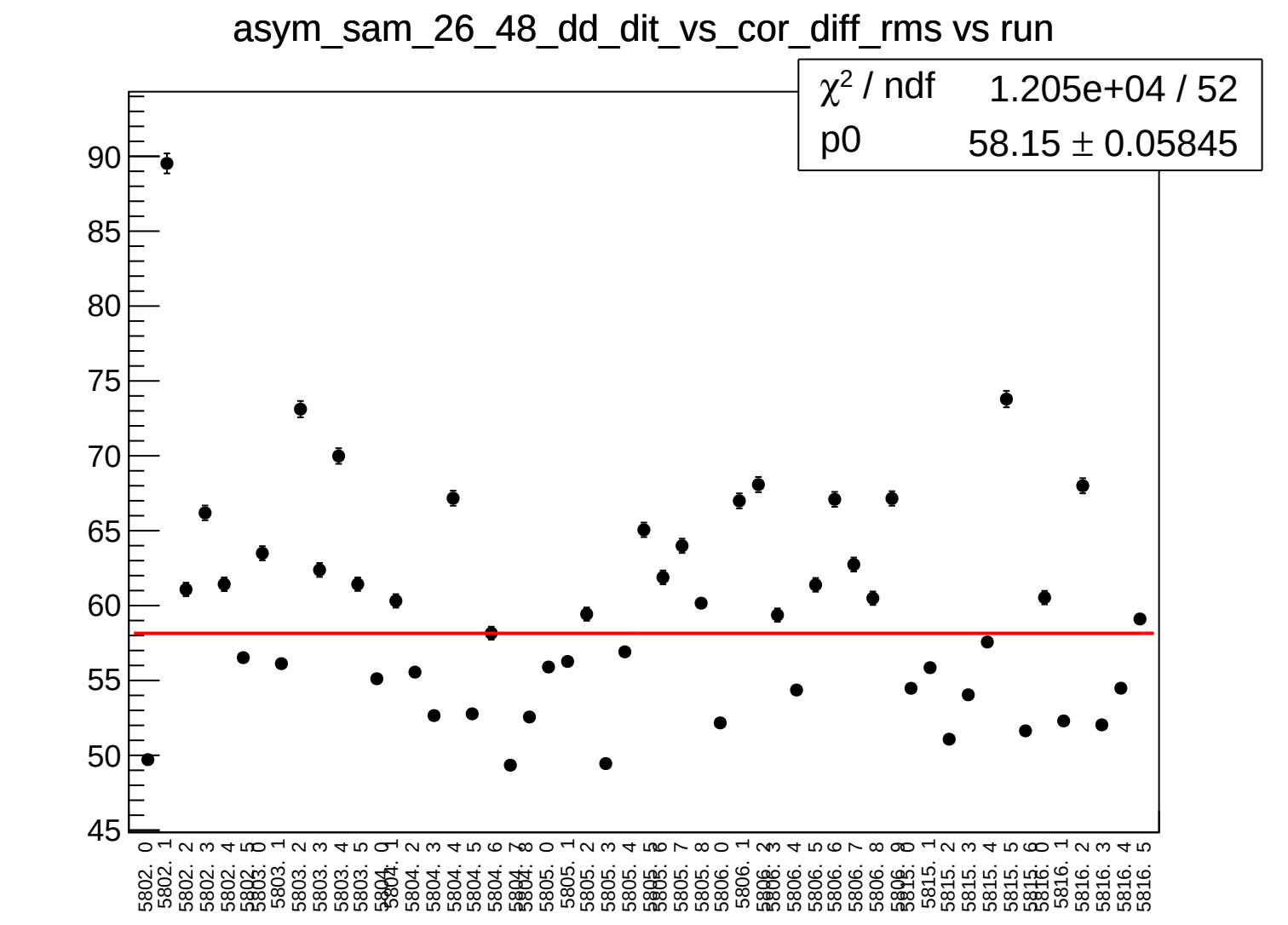

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.98 / 52
p0 −4.399e−14 ± 1.236e−13
pull
Entries 53
Mean 34.29
Std Dev 0

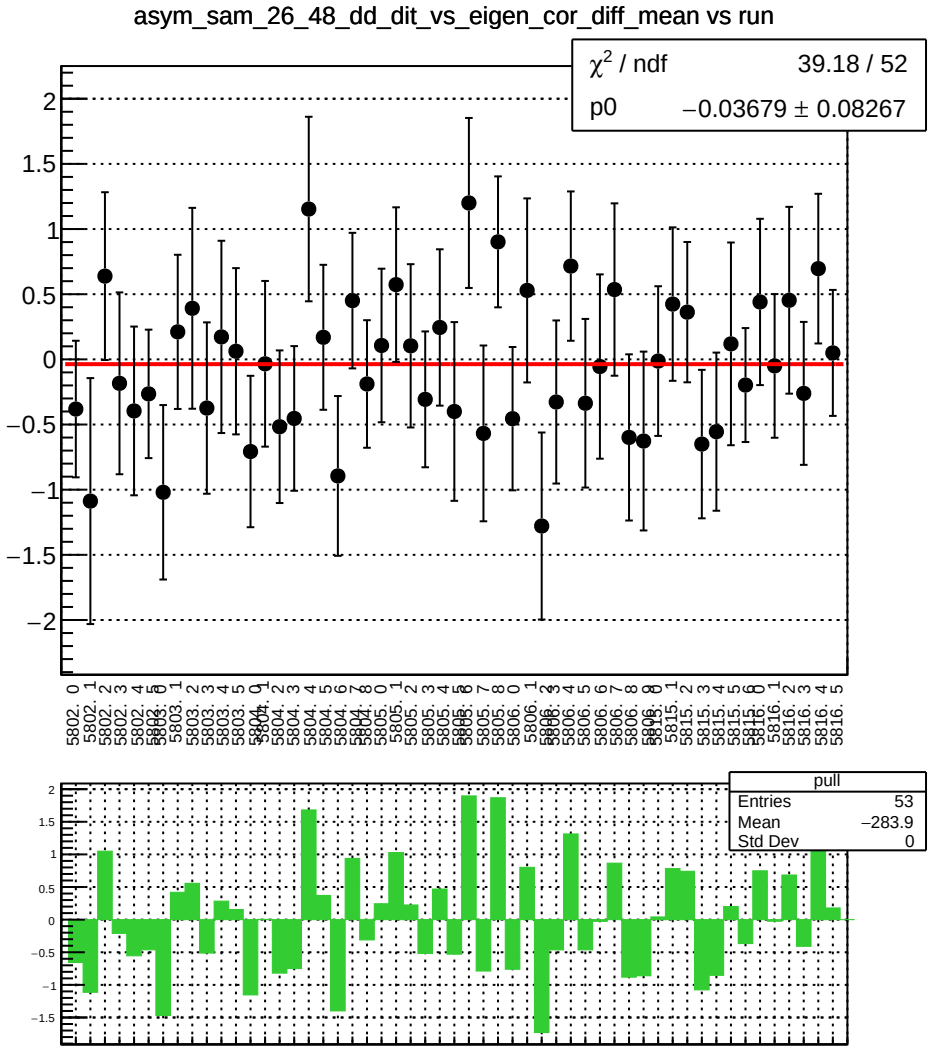

pull1D
Entries 53
Mean 0.02301
Std Dev 0.9805

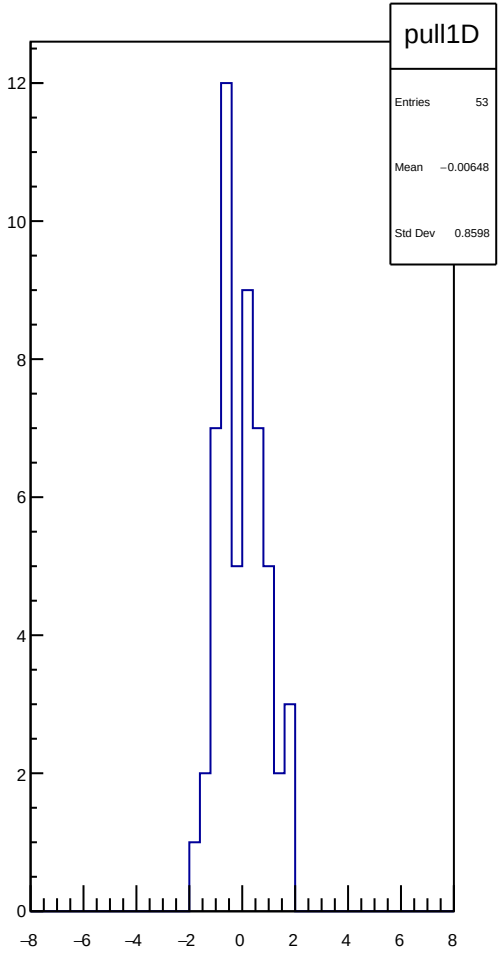

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.182e+05 / 52
p0 6.076e−11 ± 8.739e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

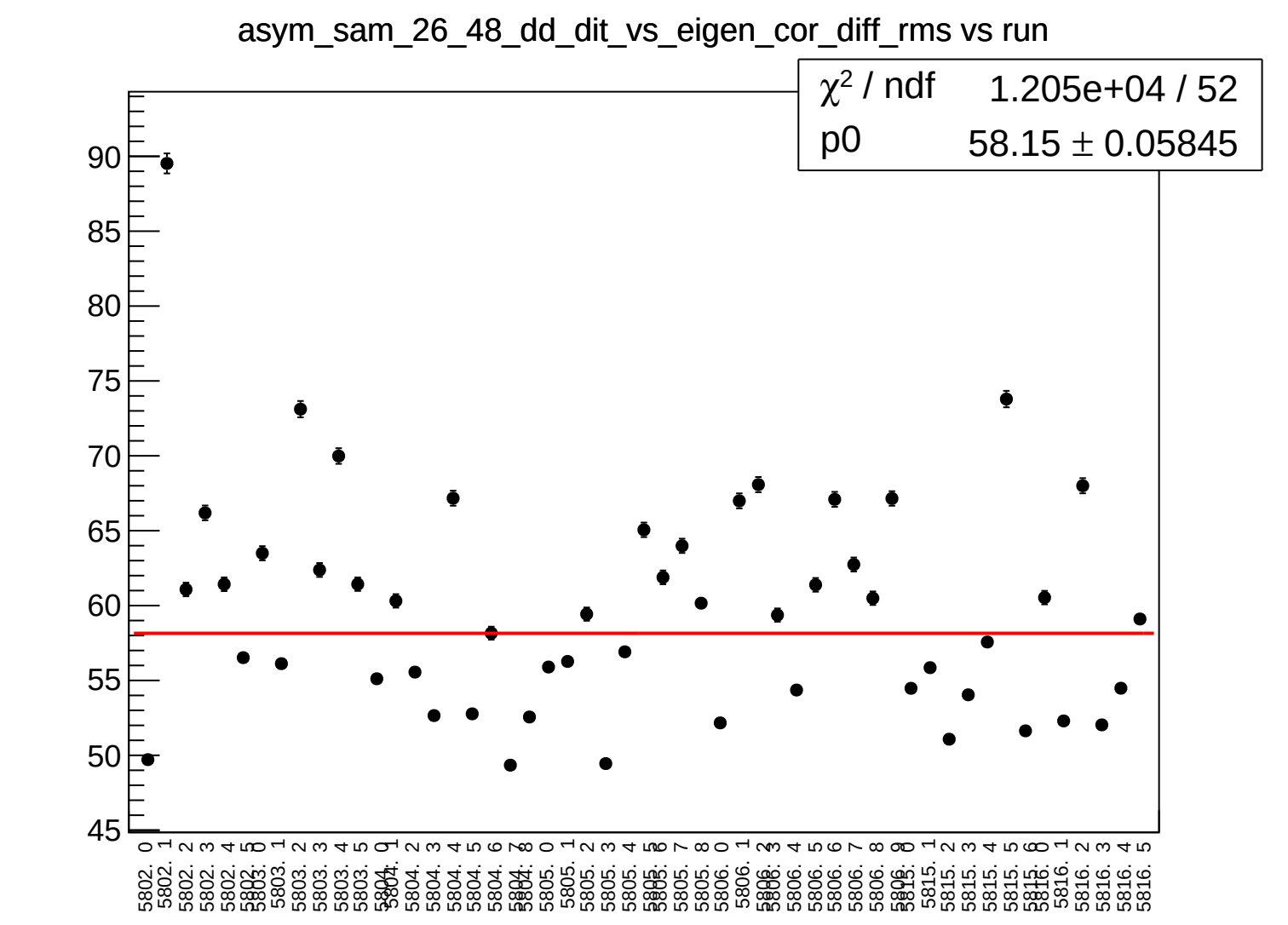

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.18 / 52
p0 −0.03679 ± 0.08267
pull
Entries 53
Mean −283.9
Std Dev 0

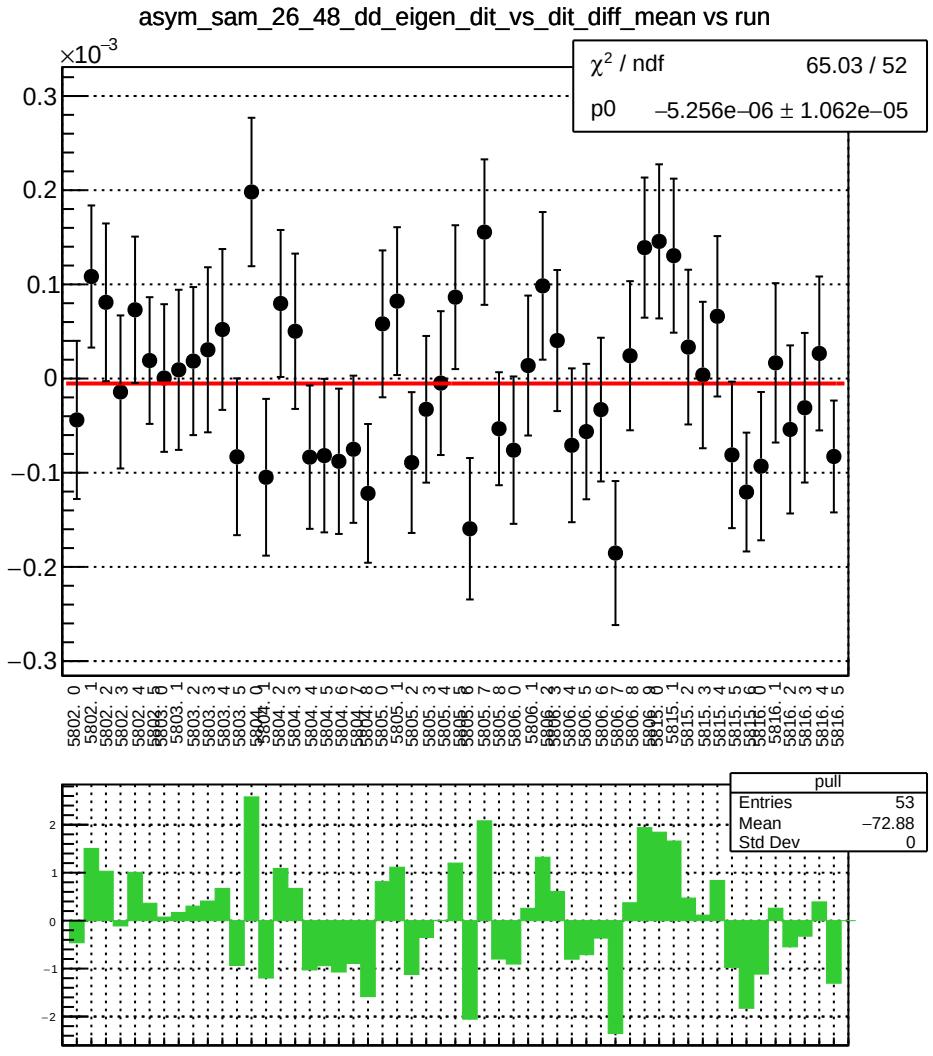

pull1D
Entries 53
Mean −0.00648
Std Dev 0.8598

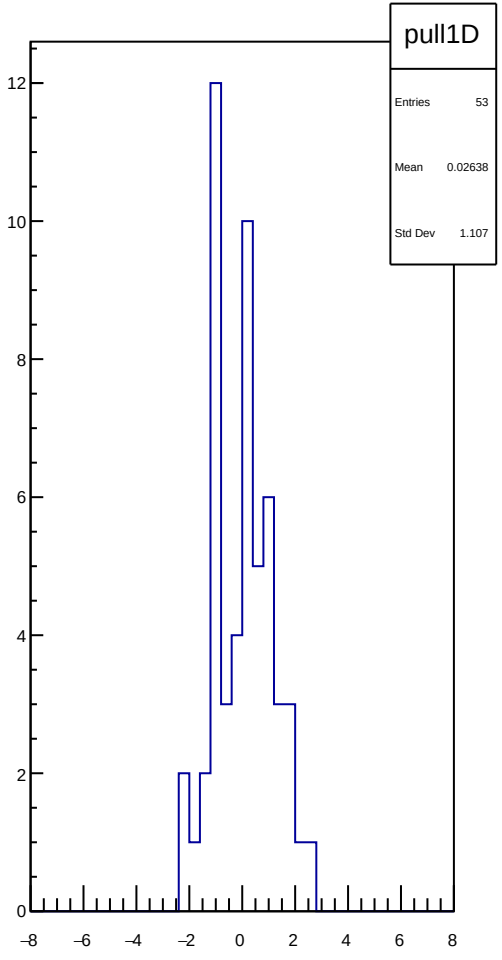

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.205e+04 / 52
p0 58.15 ± 0.05845
90
85
80
75
70
65
60
55
50
45

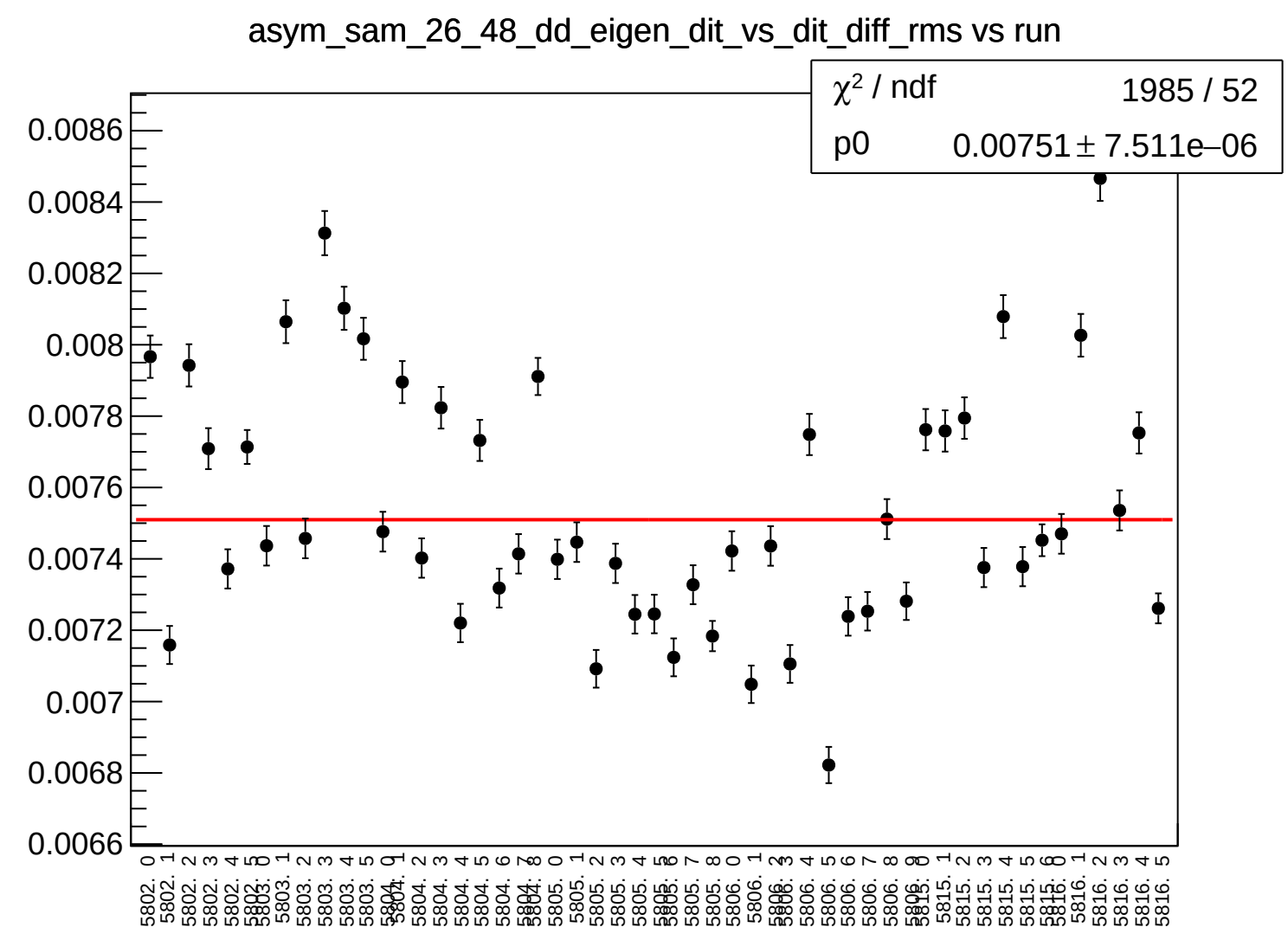

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.18 / 52
p0 −0.03679 ± 0.08267
pull
Entries 53
Mean −283.9
Std Dev 0

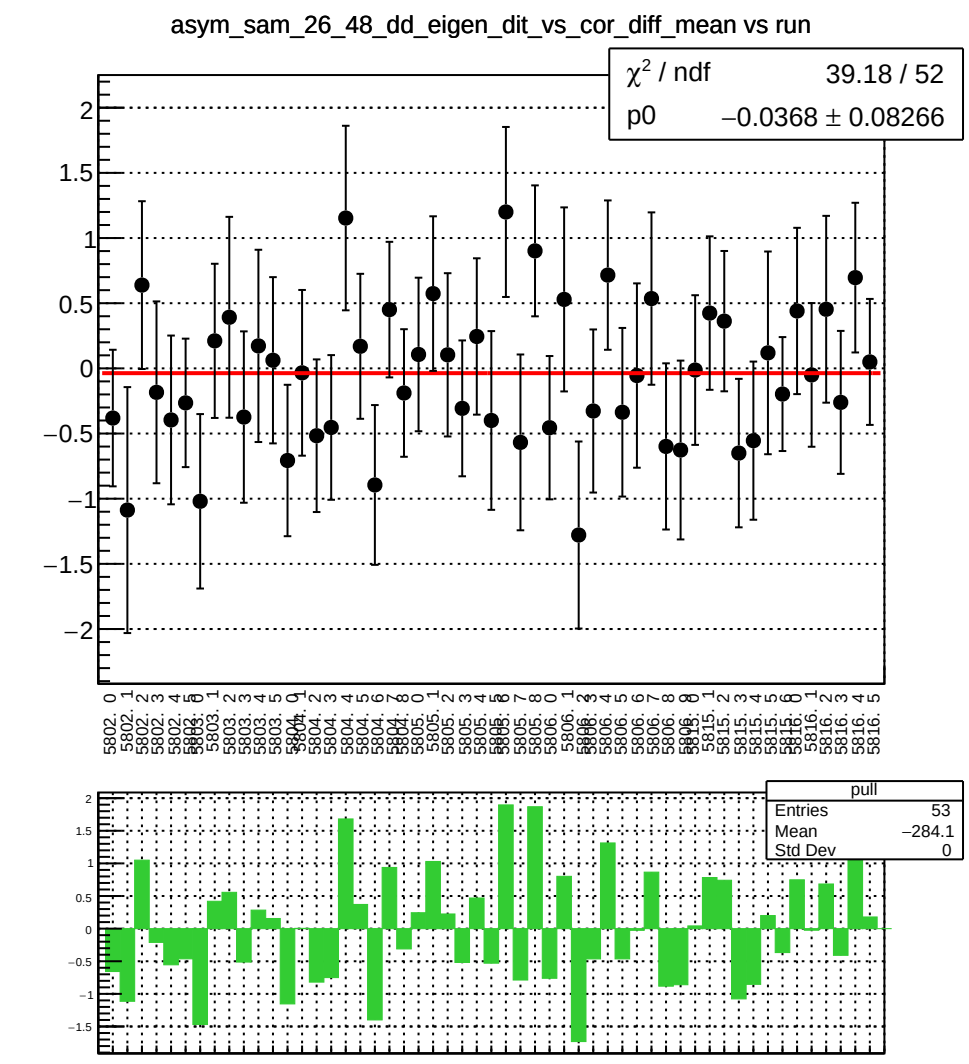

pull1D
Entries 53
Mean −0.00648
Std Dev 0.8598

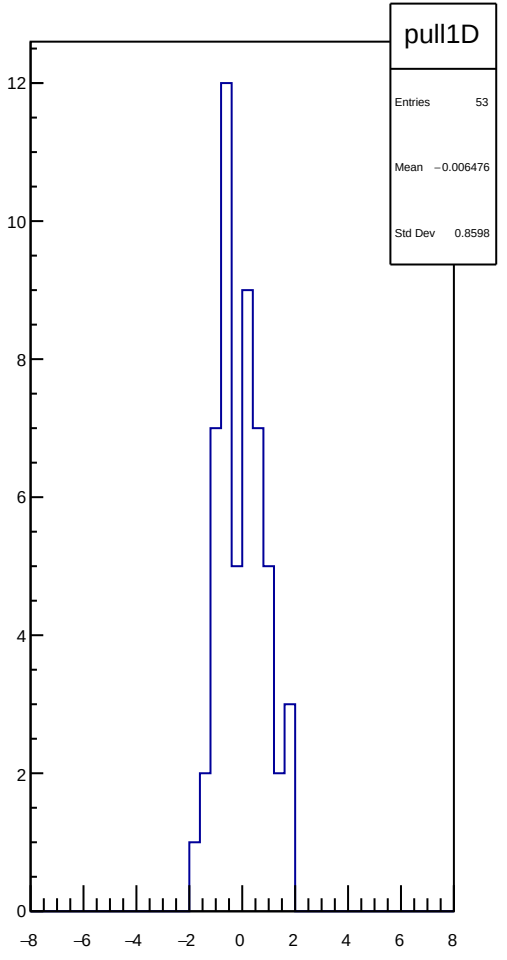

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.205e+04 / 52
p0 58.15 ± 0.05845
90
85
80
75
70
65
60
55
50
45
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

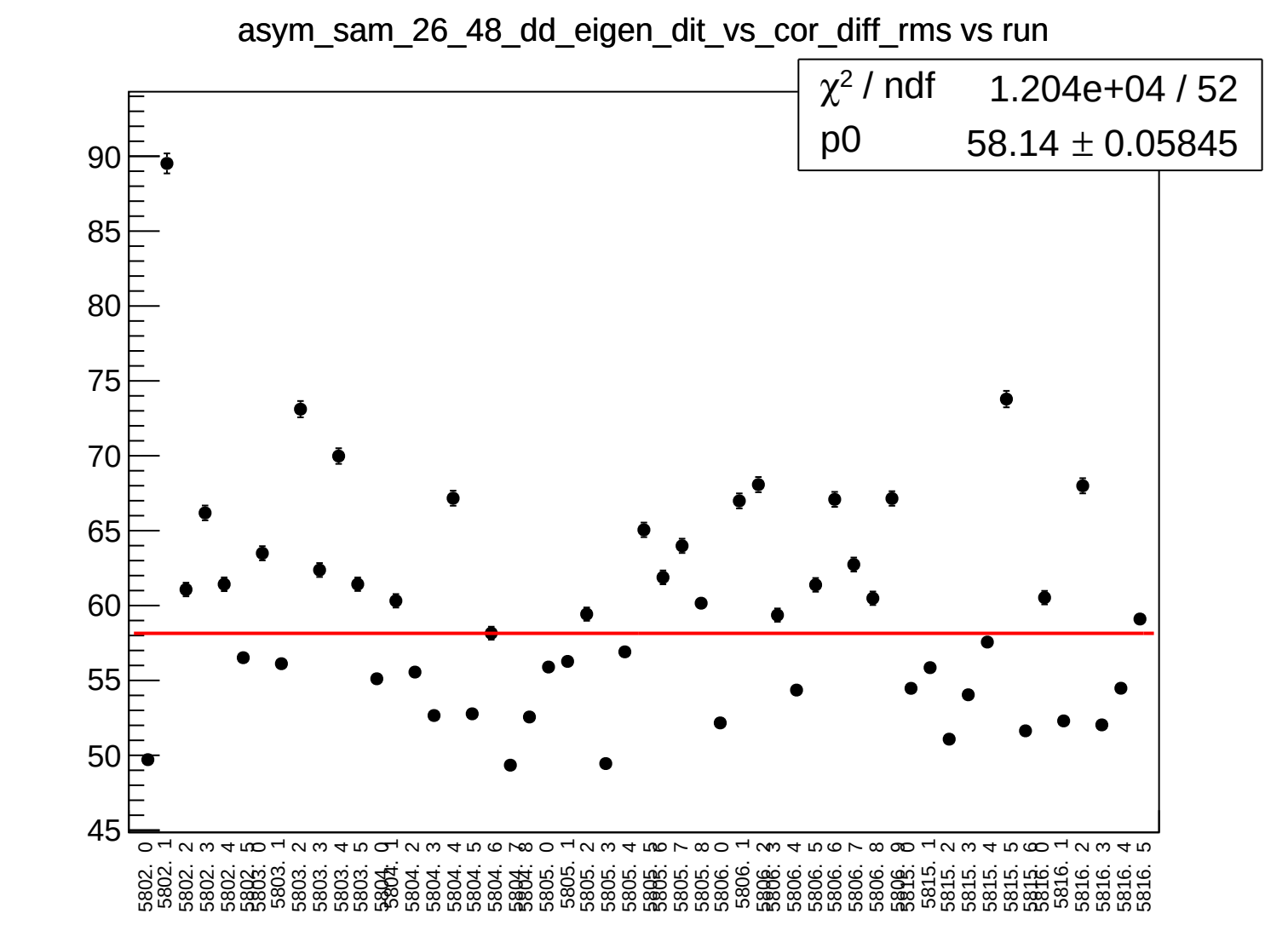

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.03 / 52
p0 −5.256e−06 ± 1.062e−05
pull
Entries 53
Mean −72.88
Std Dev 0

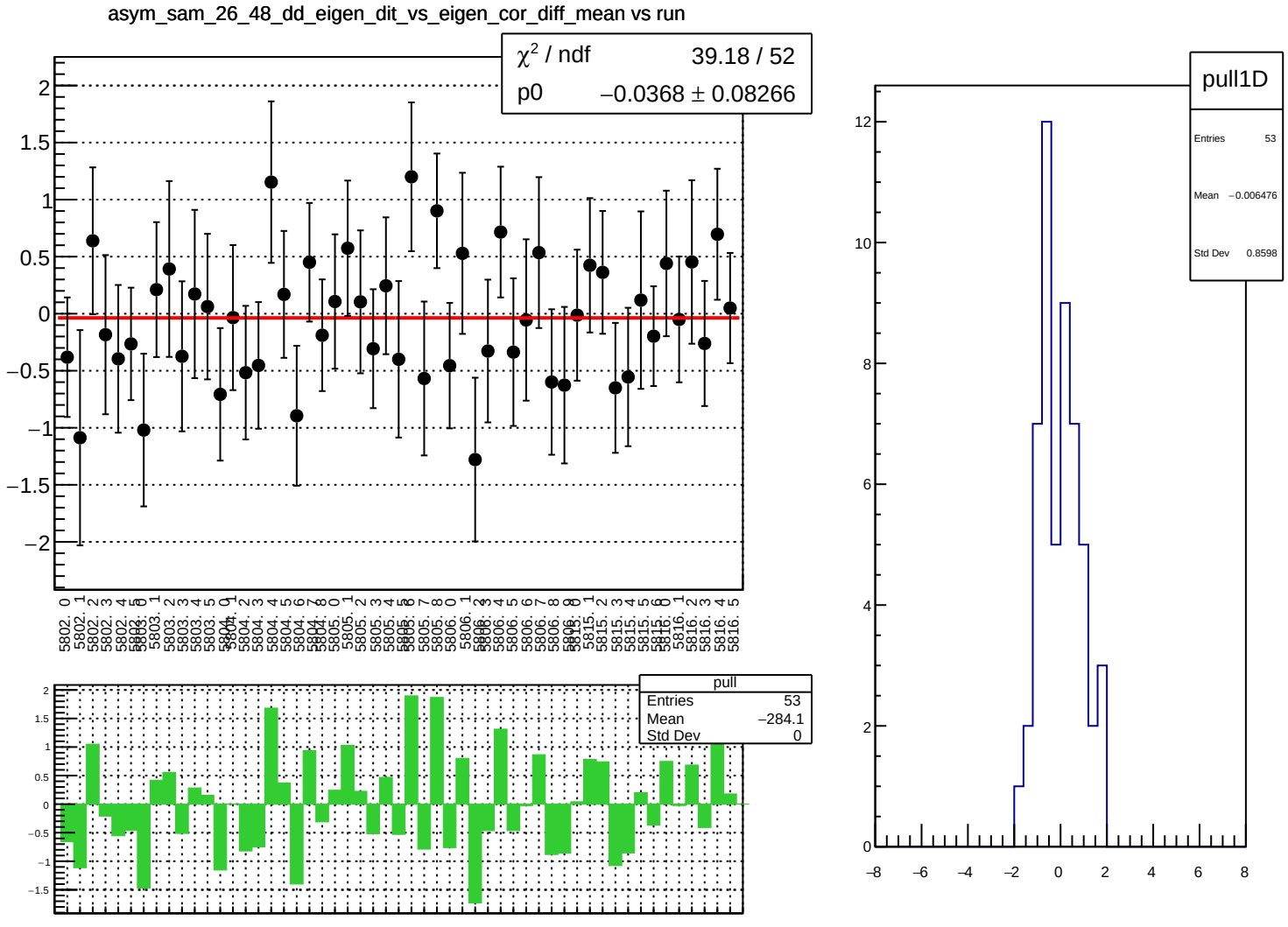

pull1D
Entries 53
Mean 0.02638
Std Dev 1.107

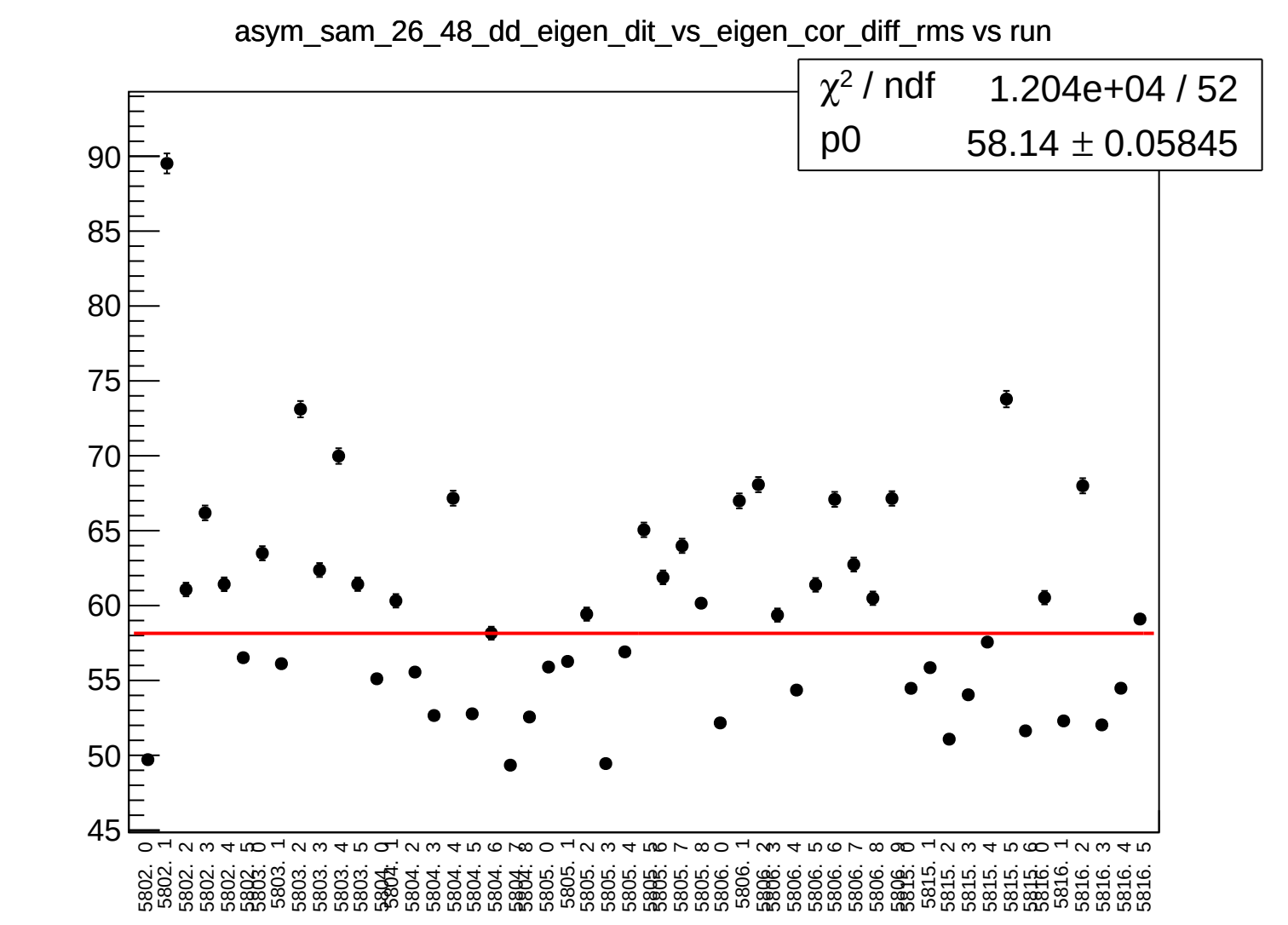

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1985 / 52
p0 0.00751 ± 7.511e–06
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066

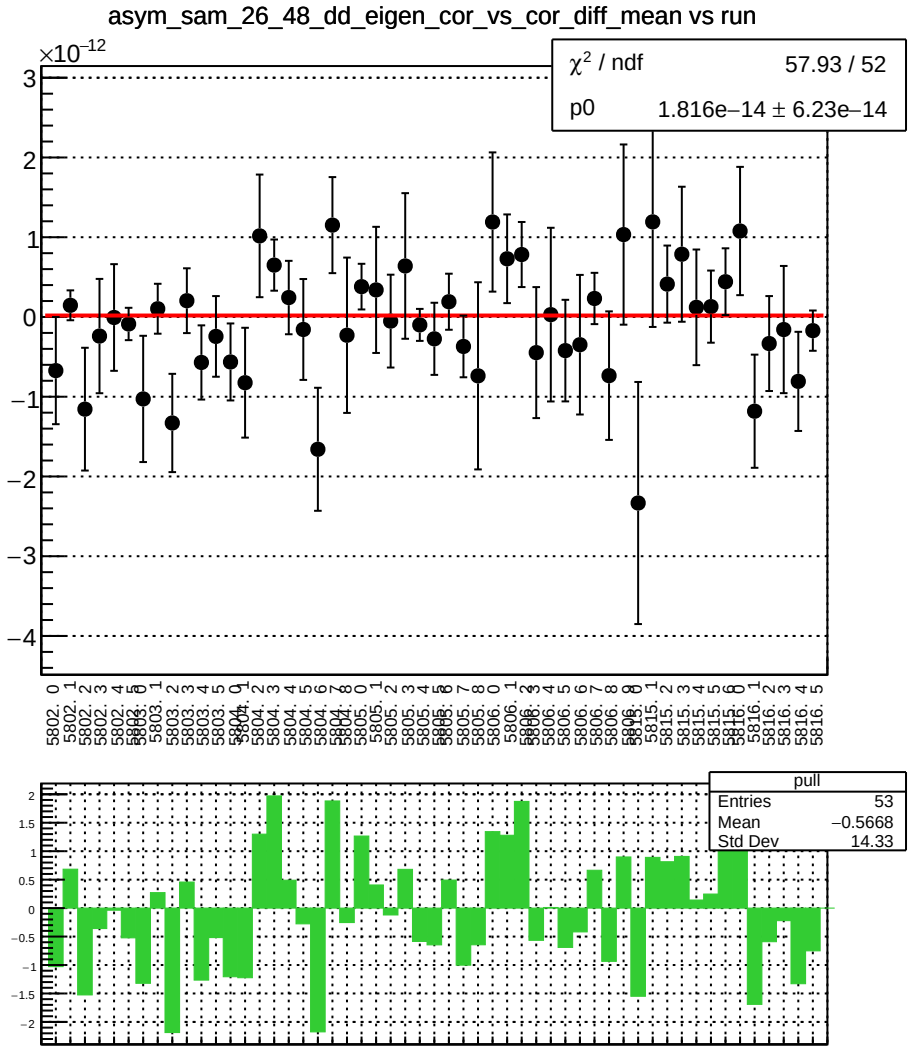

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.18 / 52
p0 −0.0368 ± 0.08266
pull
Entries 53
Mean −284.1
Std Dev 0

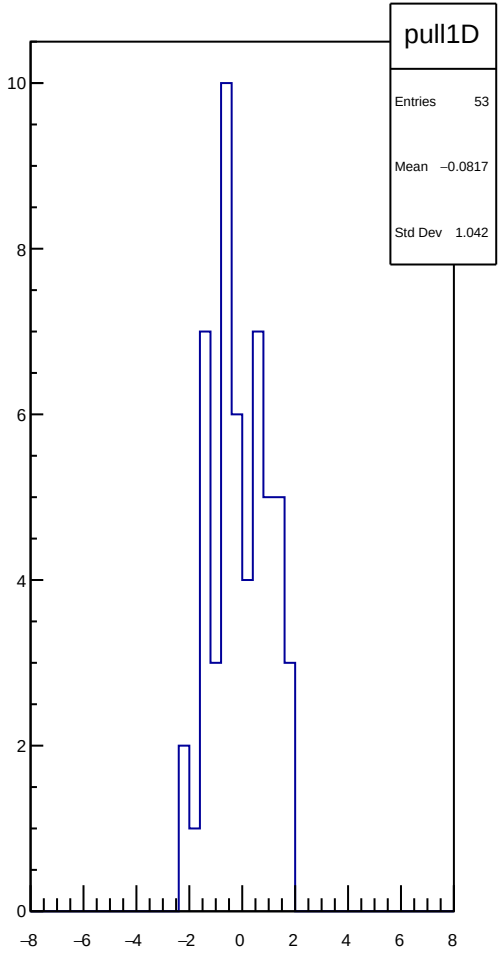

pull1D
Entries 53
Mean −0.006476
Std Dev 0.8598

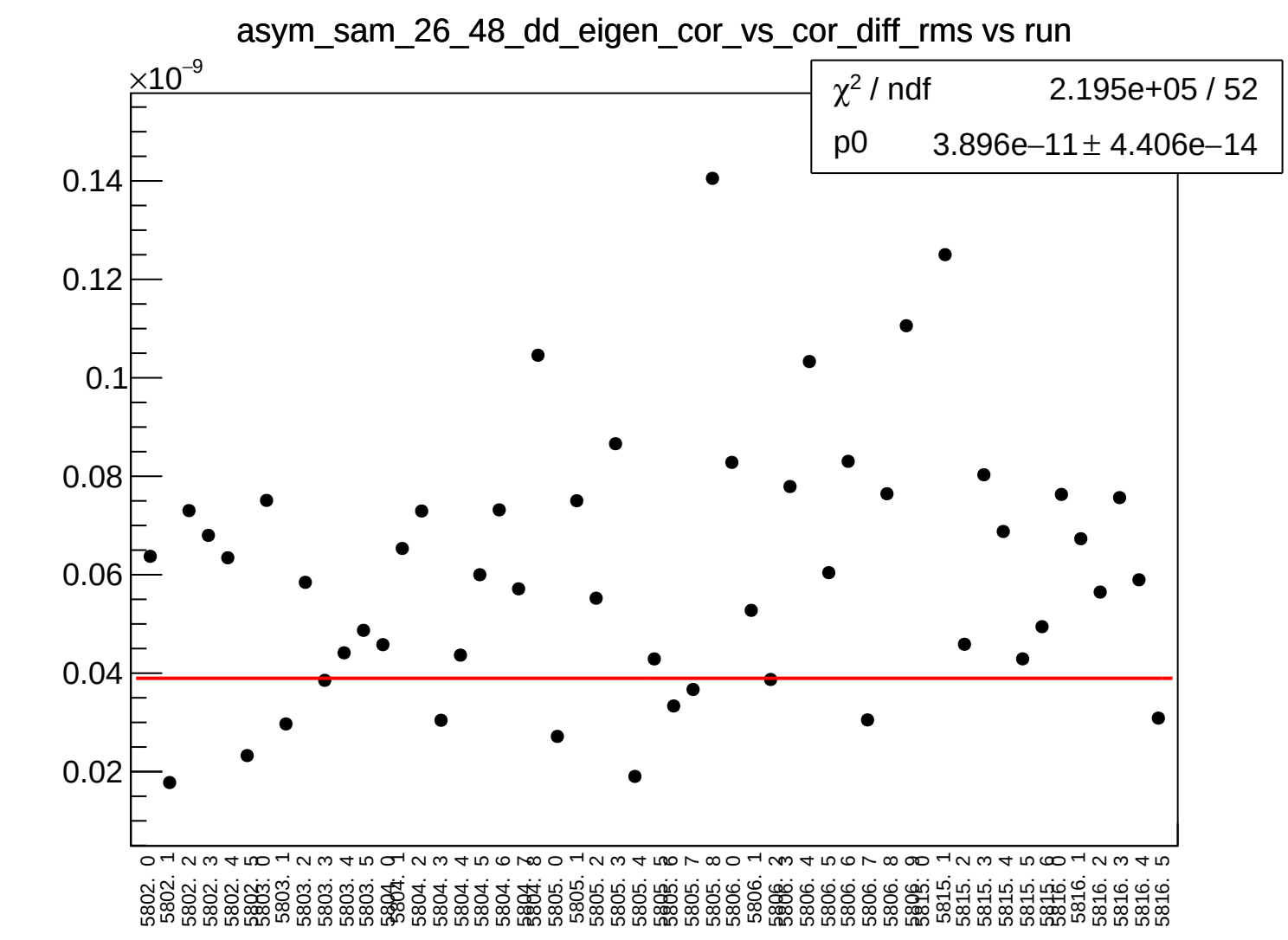

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.204e+04 / 52
p0 58.14 ± 0.05845
90
85
80
75
70
65
60
55
50
45

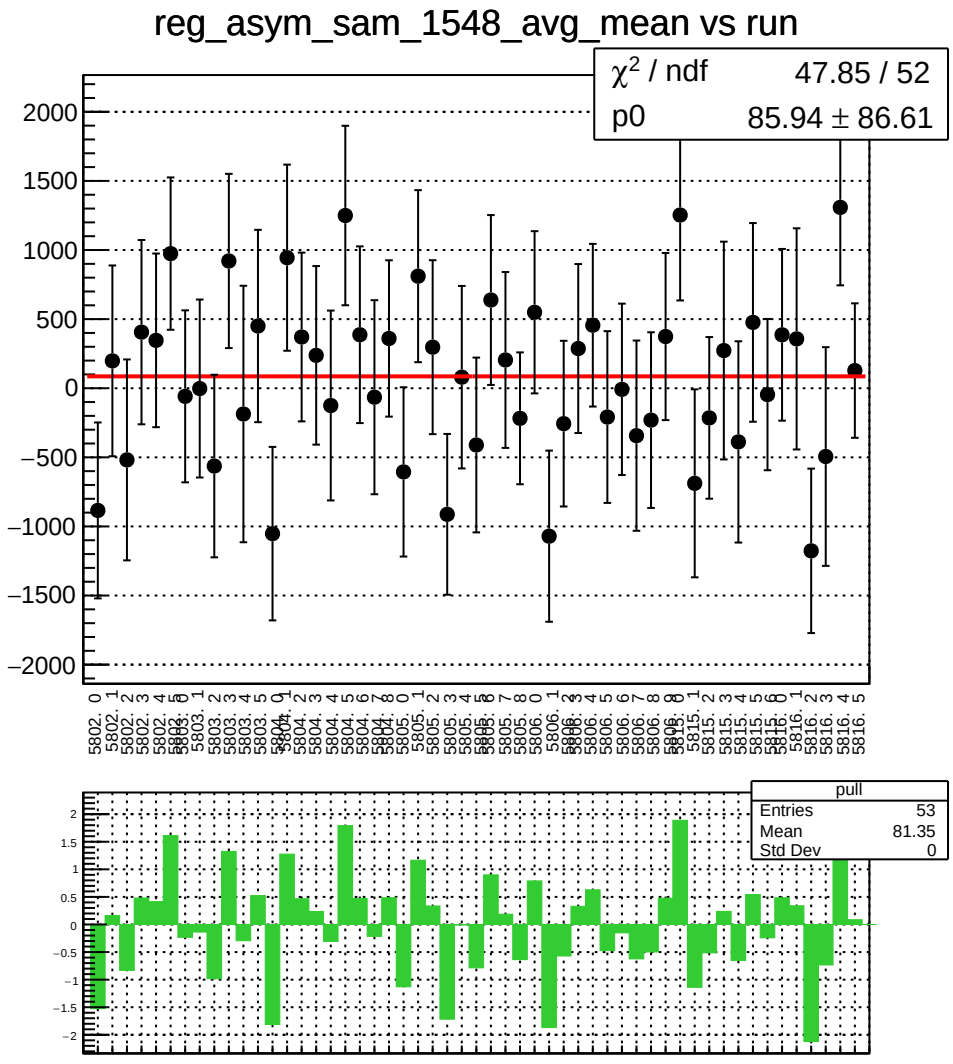

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.18 / 52
p0 −0.0368 ± 0.08266
pull
Entries 53
Mean −284.1
Std Dev 0
pull1D
Entries 53
Mean −0.006476
Std Dev 0.8598

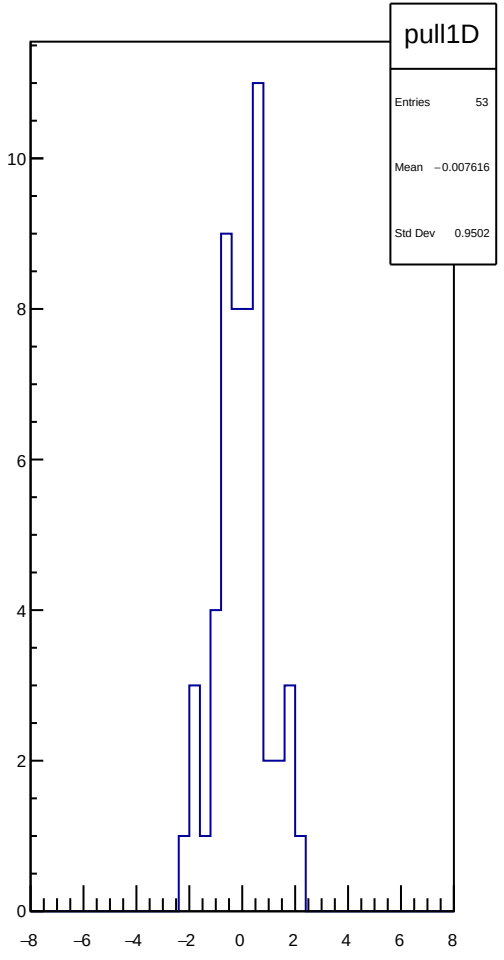

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.204e+04 / 52
p0 58.14 ± 0.05845
90
85
80
75
70
65
60
55
50
45

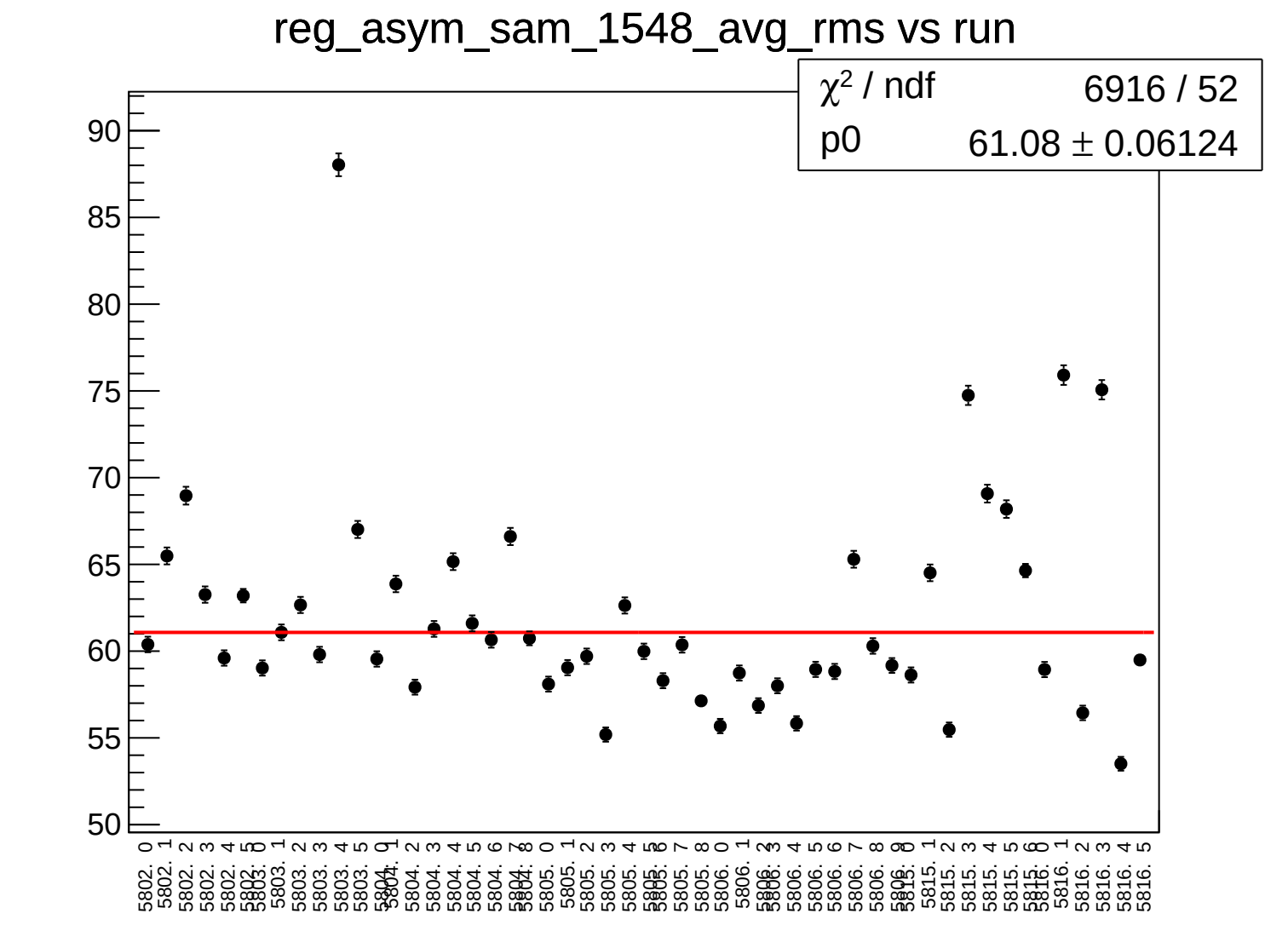

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.93 / 52
p0 1.816e−14 ± 6.23e−14
pull
Entries 53
Mean −0.5668
Std Dev 14.33

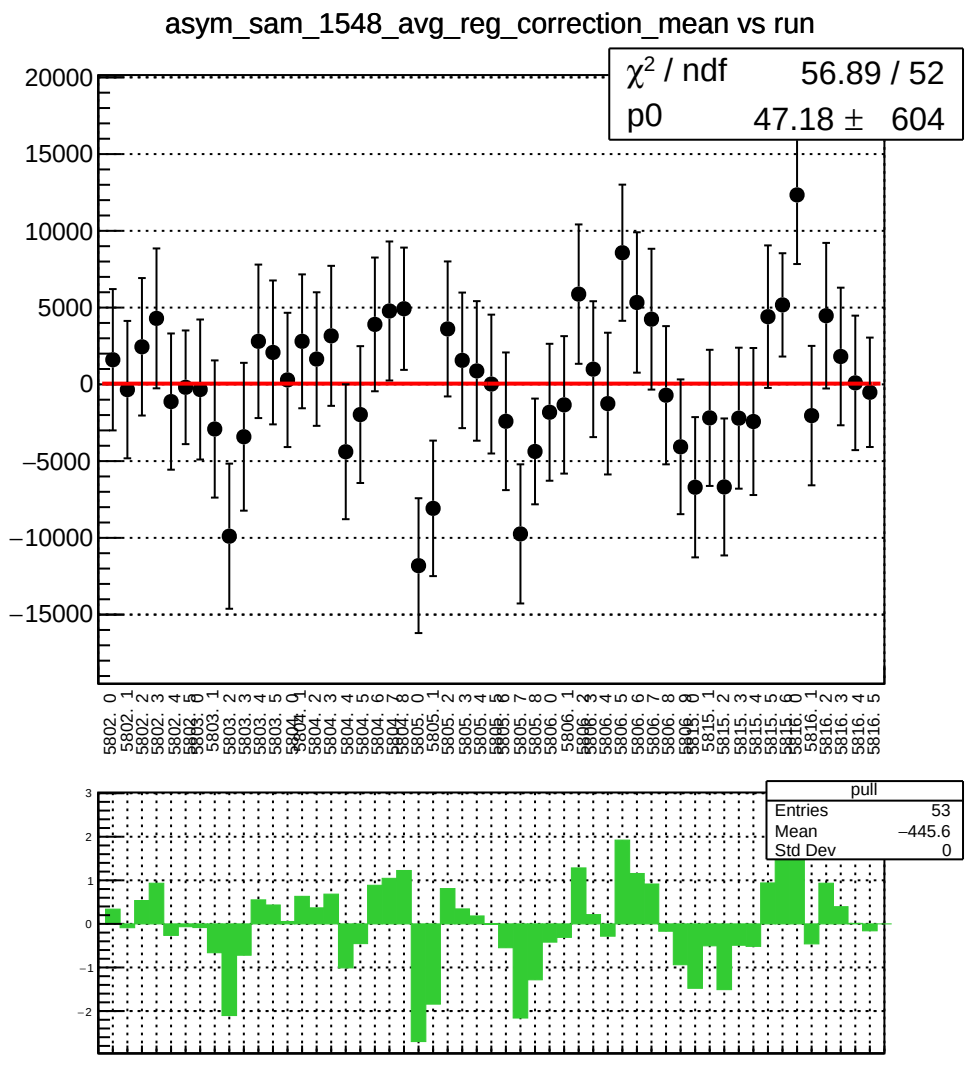

pull1D
Entries 53
Mean −0.0817
Std Dev 1.042

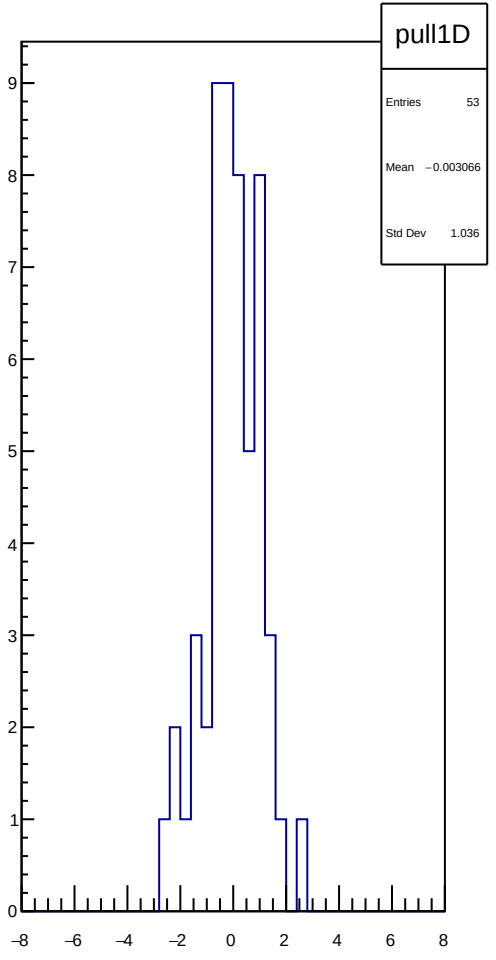

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.195e+05 / 52
p0 3.896e−11 ± 4.406e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

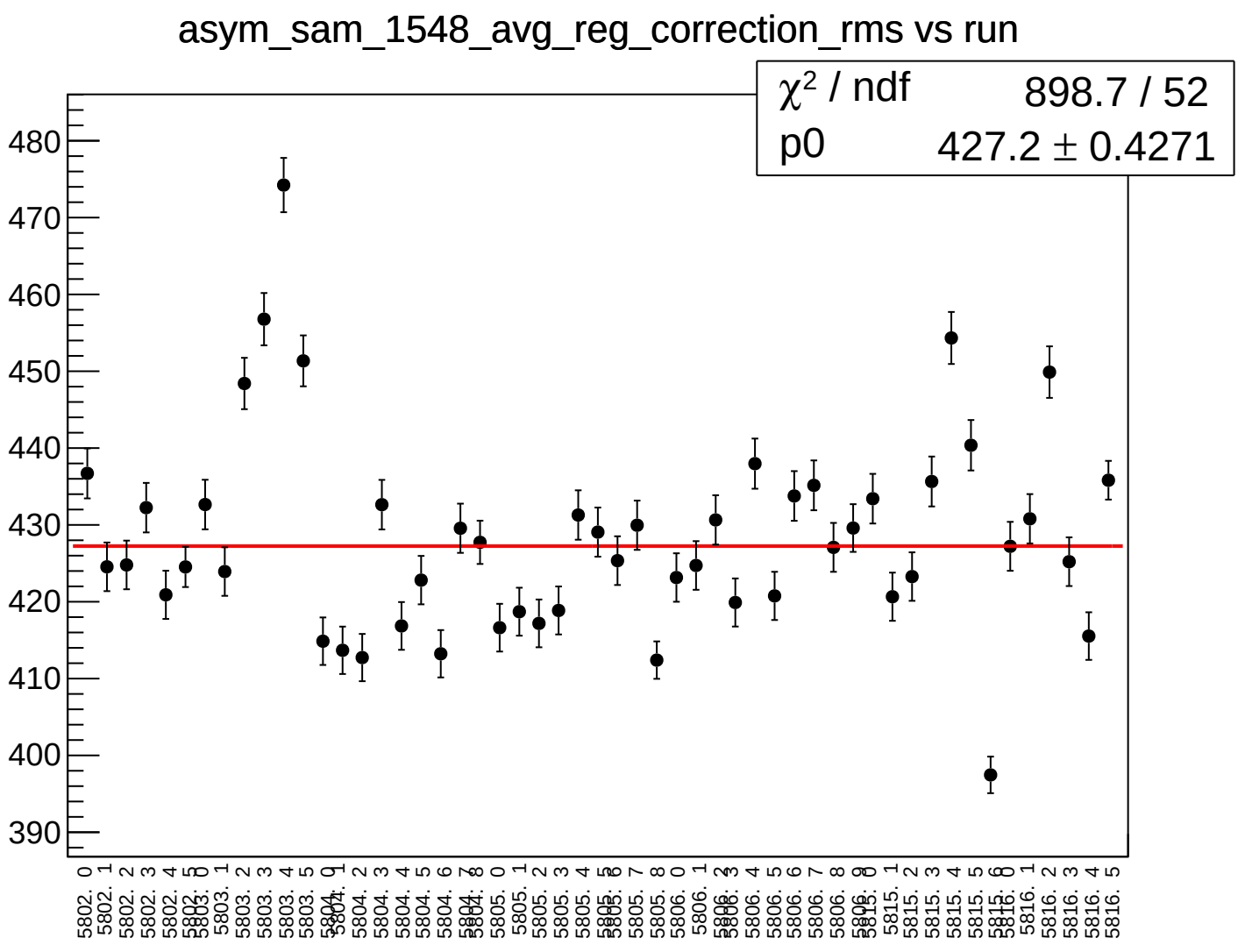

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 47.85 / 52
p0 85.94 ± 86.61
pull
Entries 53
Mean 81.35
Std Dev 0

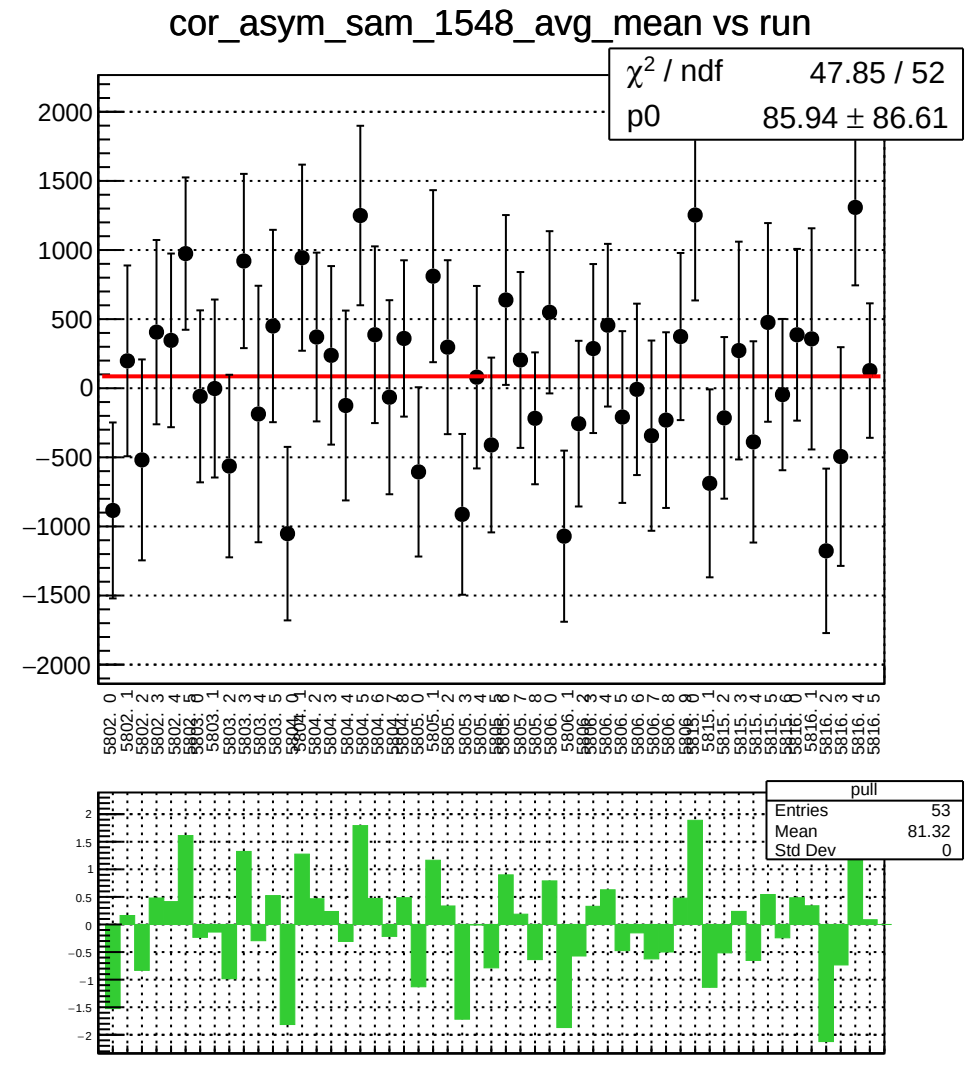

pull1D
Entries 53
Mean −0.007616
Std Dev 0.9502

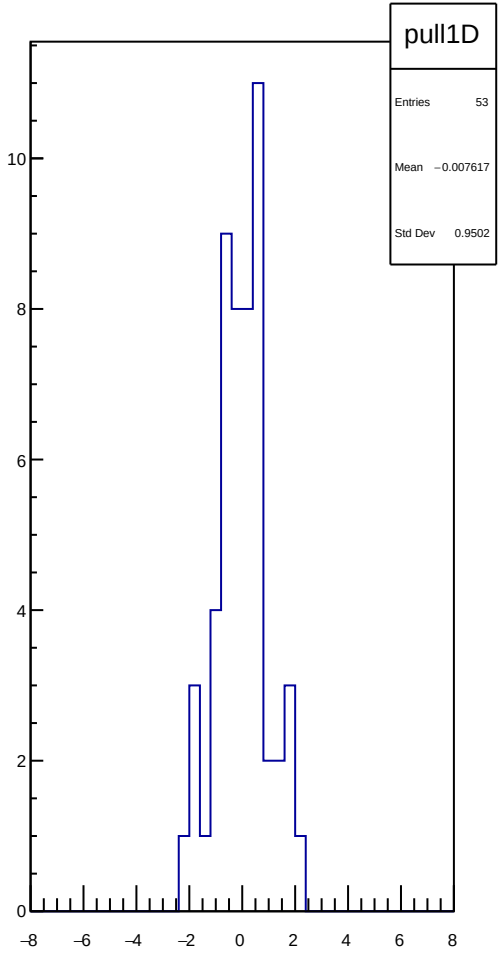

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 6916 / 52
p0 61.08 ± 0.06124
90
85
80
75
70
65
60
55
50

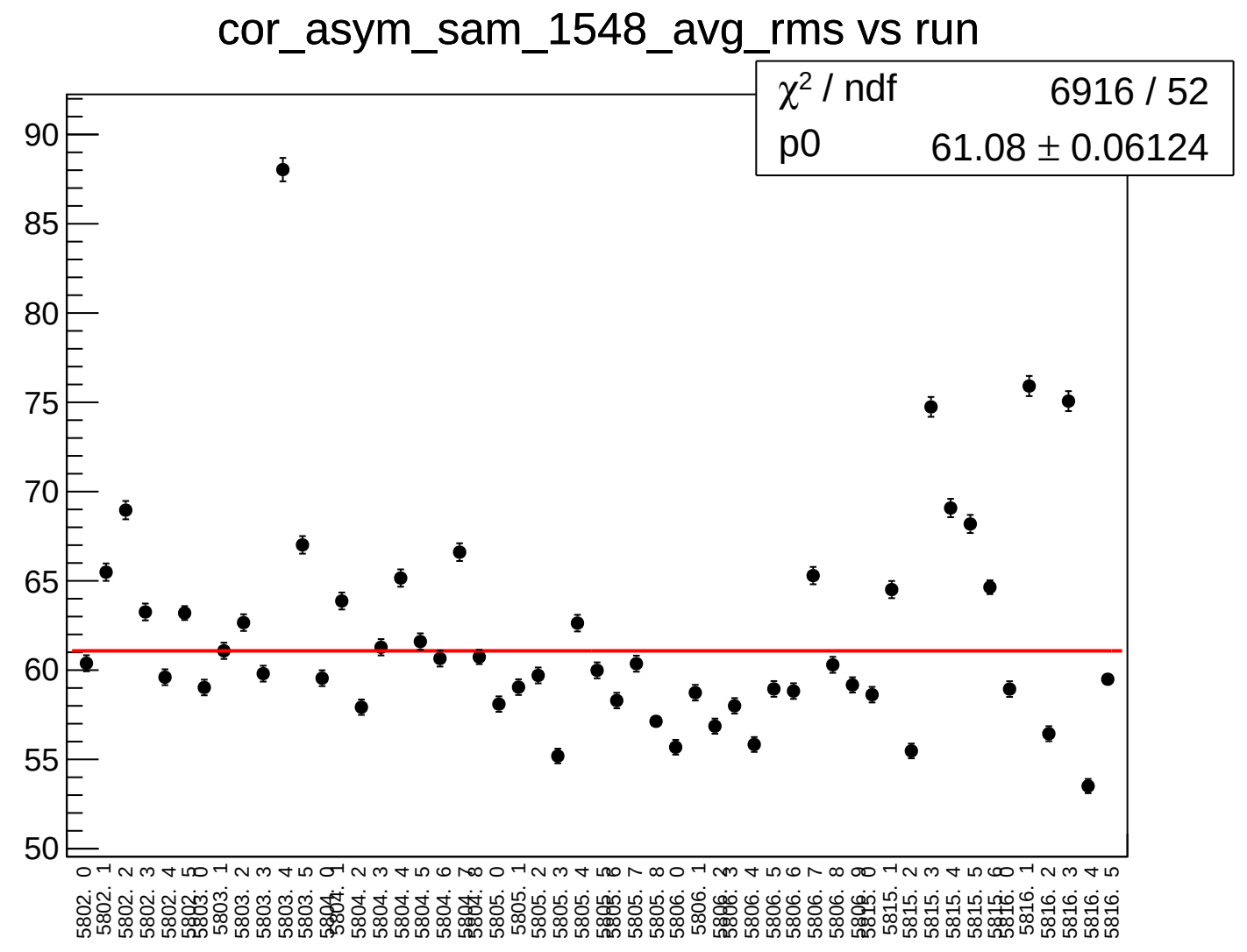

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 56.89 / 52
p0 47.18 ± 604
pull
Entries 53
Mean −445.6
Std Dev 0

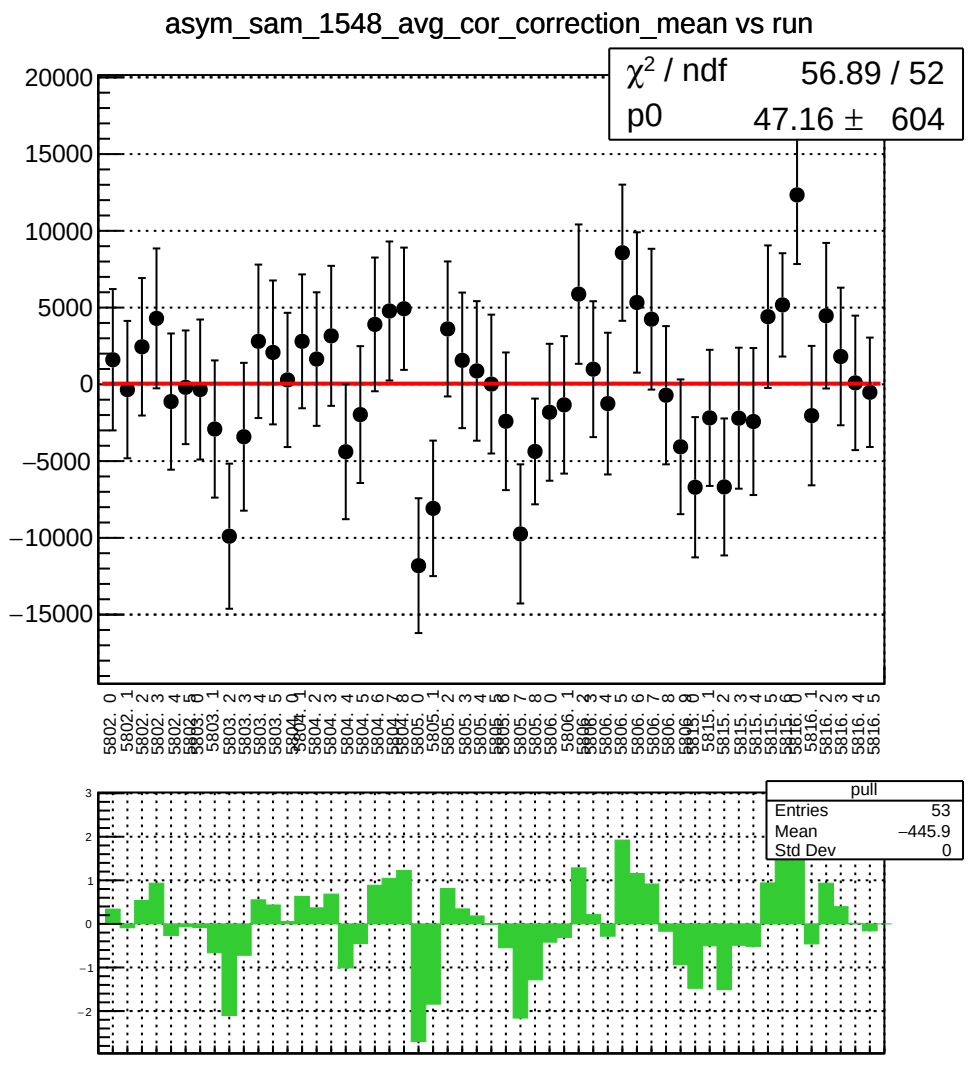

pull1D
Entries 53
Mean −0.003066
Std Dev 1.036

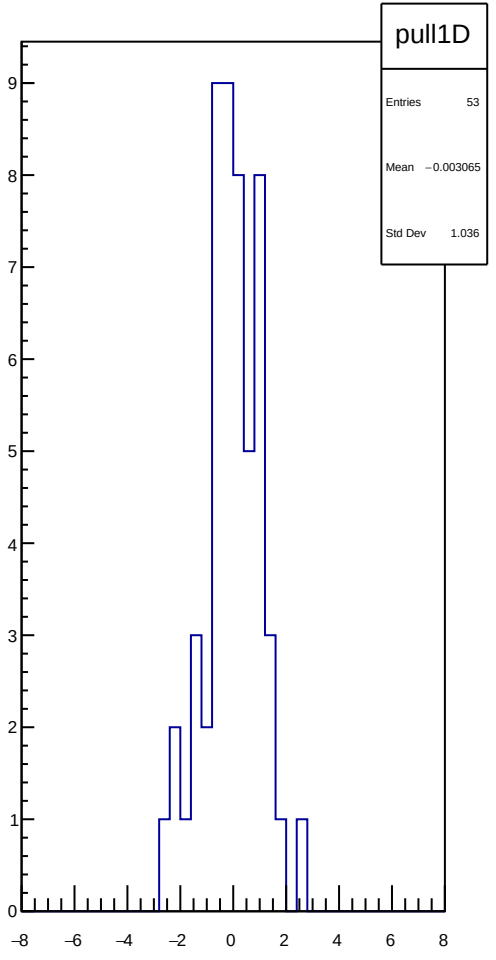

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 898.7 / 52
p0 427.2 ± 0.4271
480
470
460
450
440
430
420
410
400
390

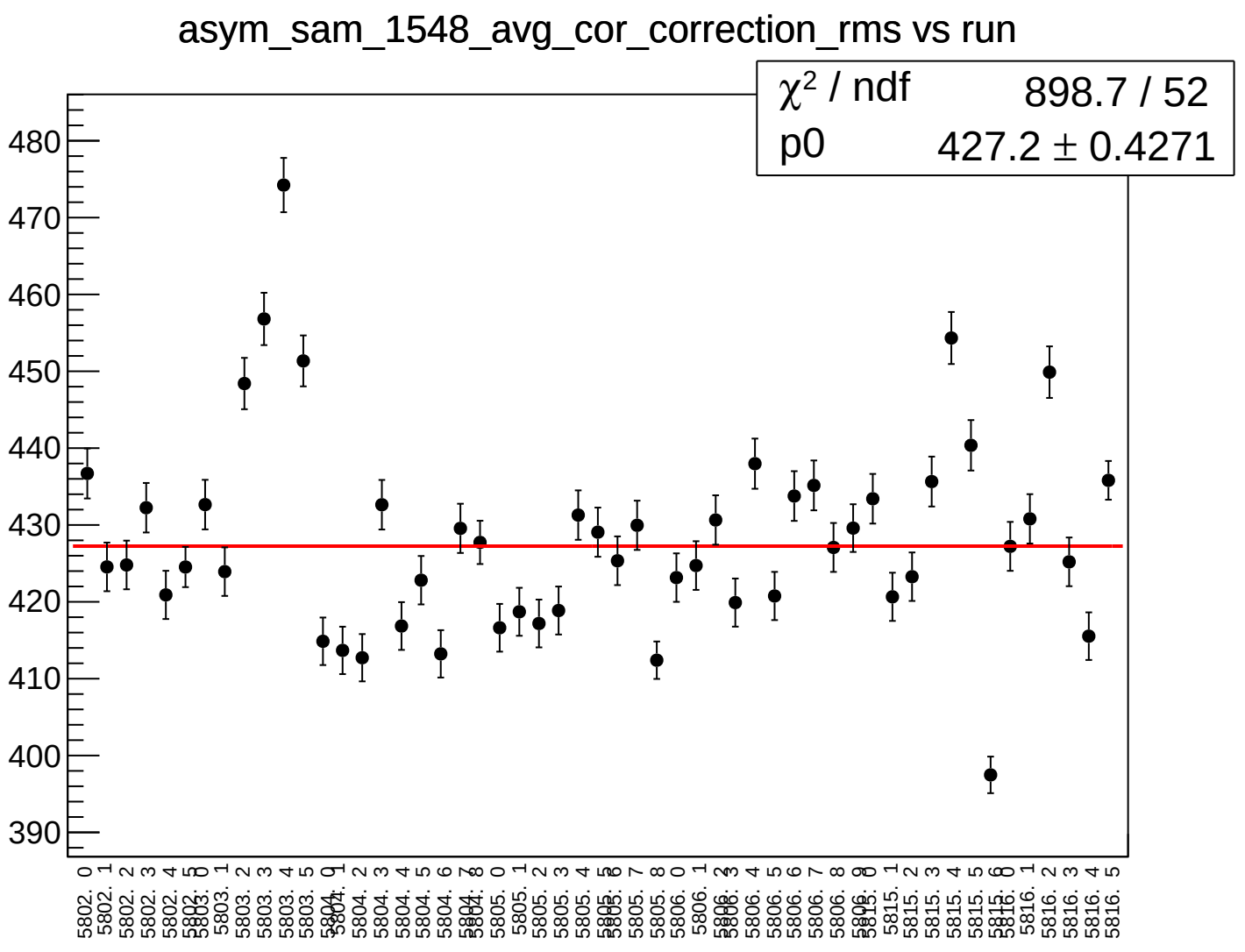

cor_asym_sam_1548_avg_mean vs run
χ^2 / ndf 47.85 / 52
p0 85.94 ± 86.61
pull
Entries 53
Mean 81.32
Std Dev 0

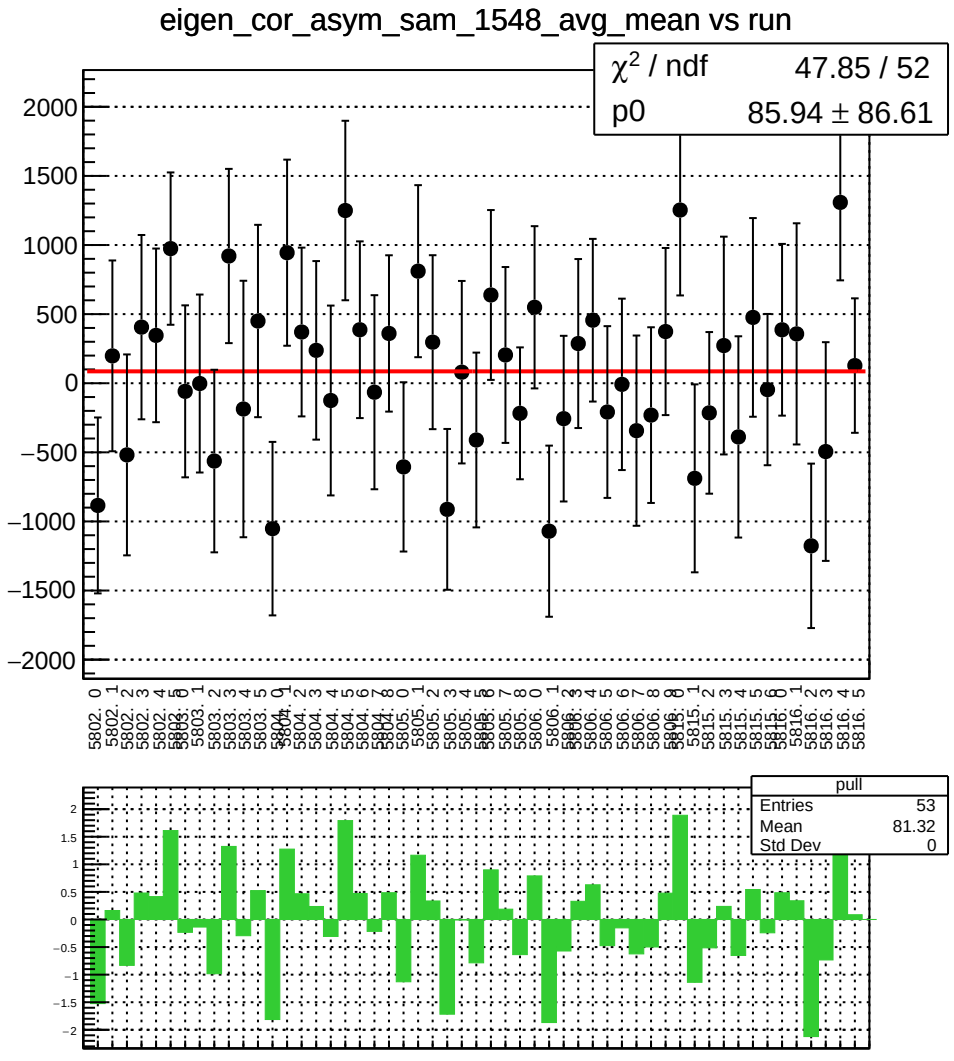

pull1D
Entries 53
Mean −0.007617
Std Dev 0.9502

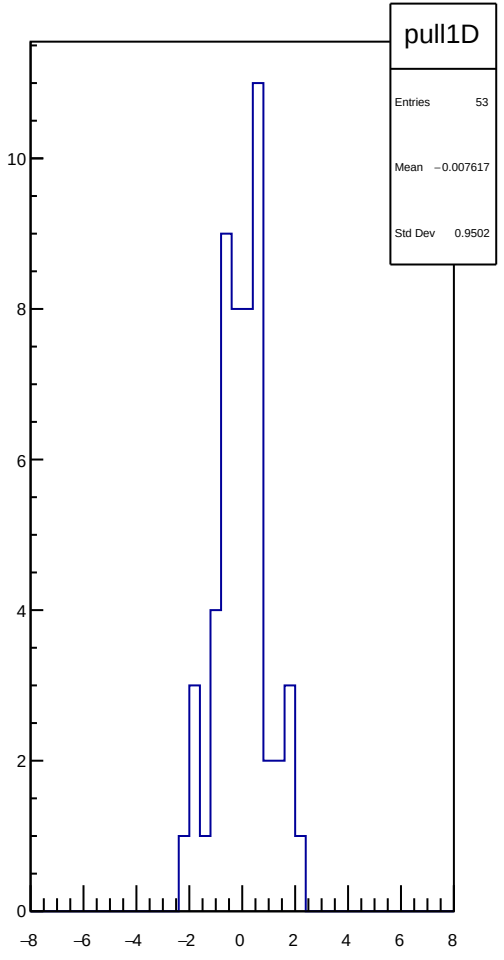

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 6916 / 52
p0 61.08 ± 0.06124
90
85
80
75
70
65
60
55
50

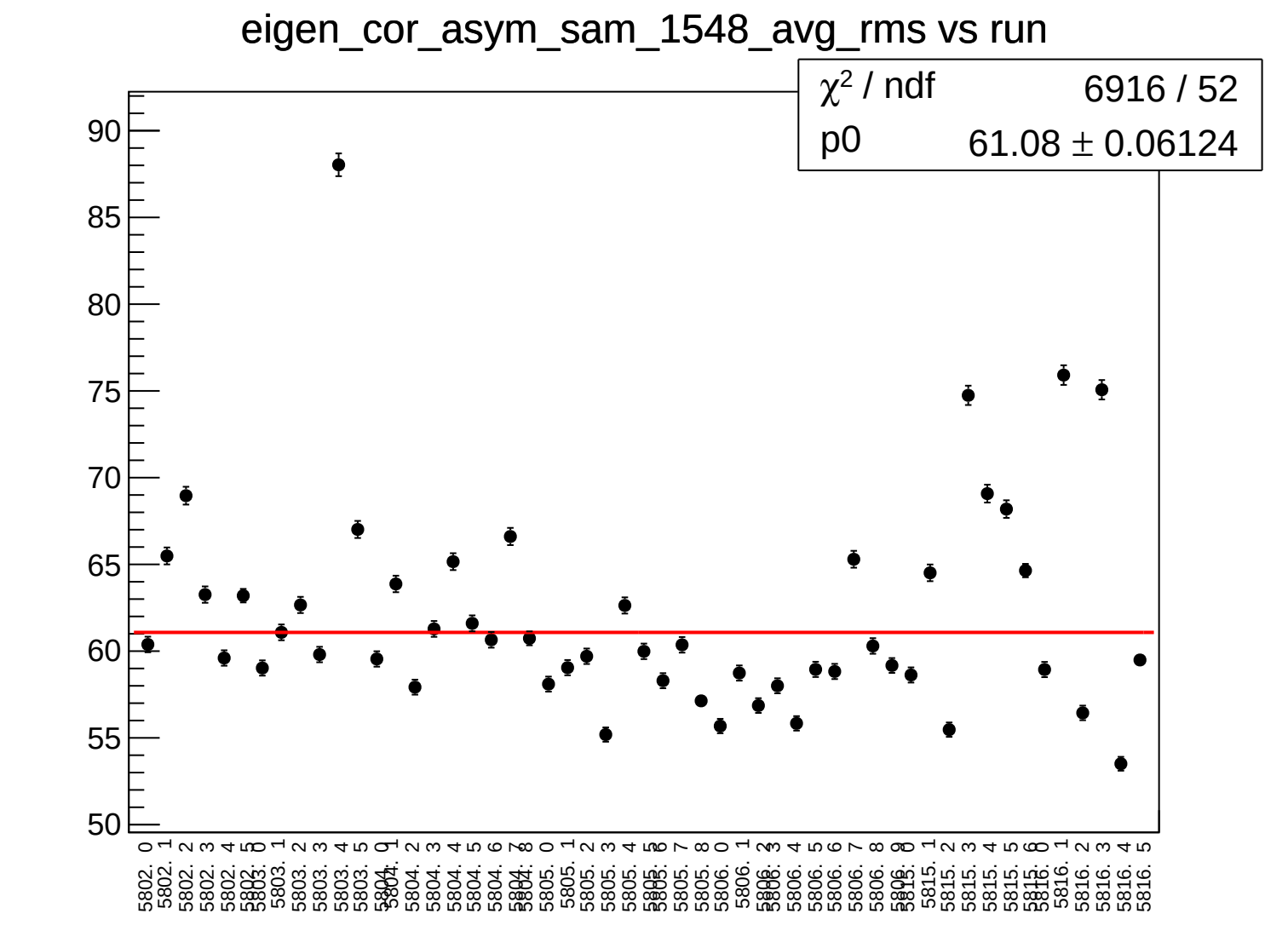

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 56.89 / 52
p0 47.16 ± 604
pull
Entries 53
Mean −445.9
Std Dev 0

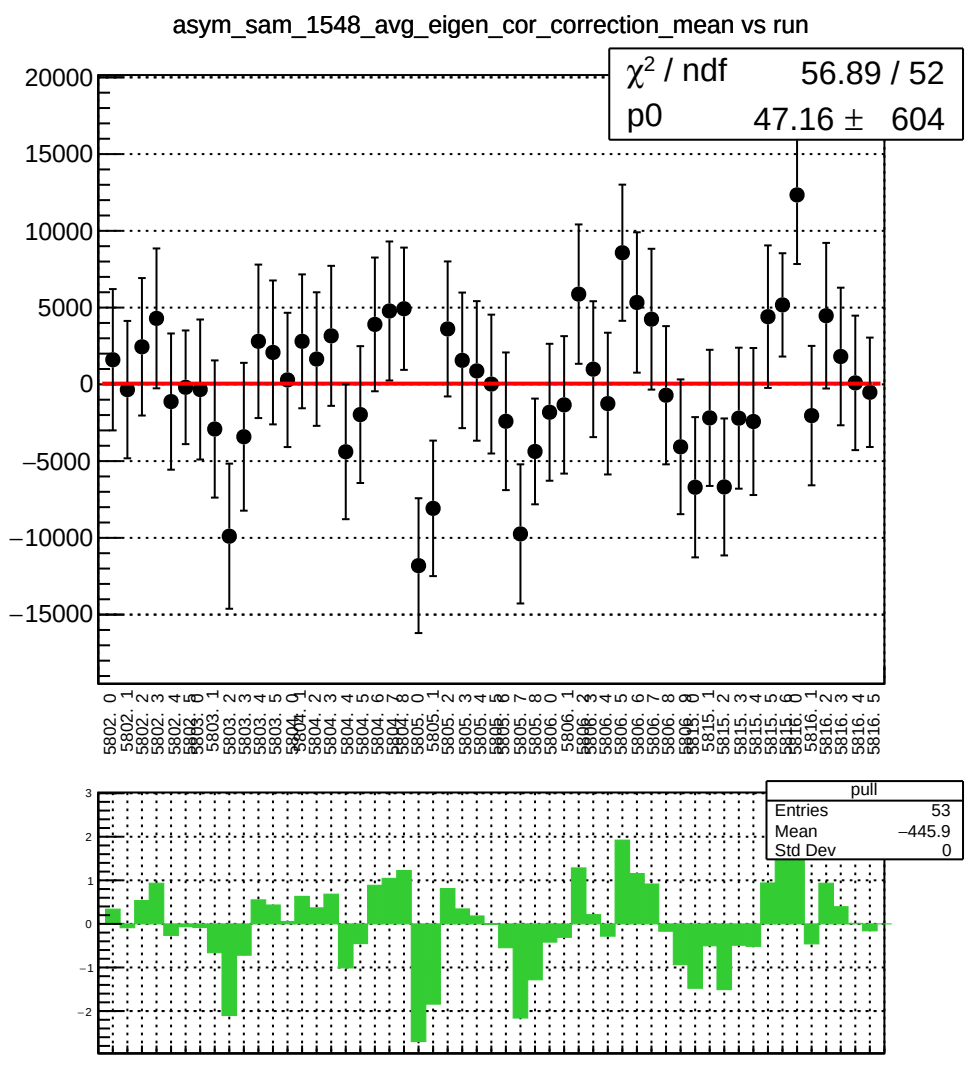

pull1D
Entries 53
Mean −0.003065
Std Dev 1.036

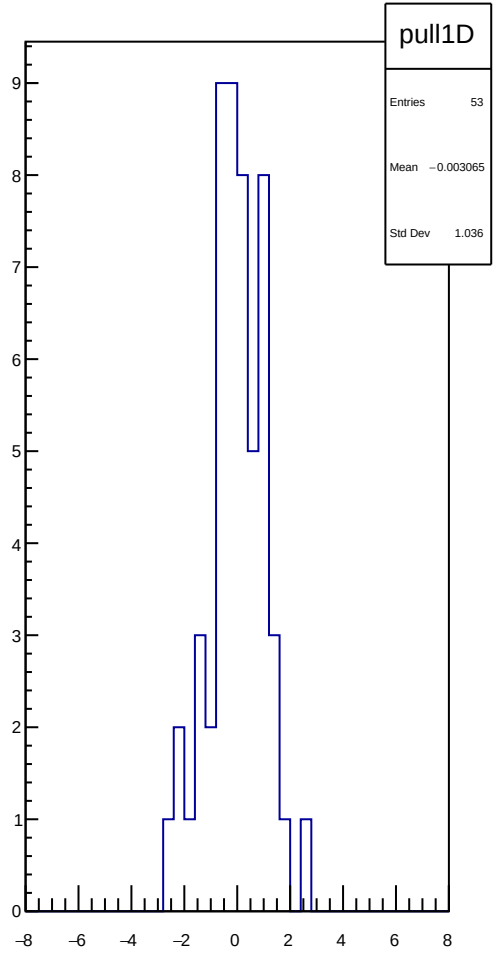

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 898.7 / 52
p0 427.2 ± 0.4271
480
470
460
450
440
430
420
410
400
390

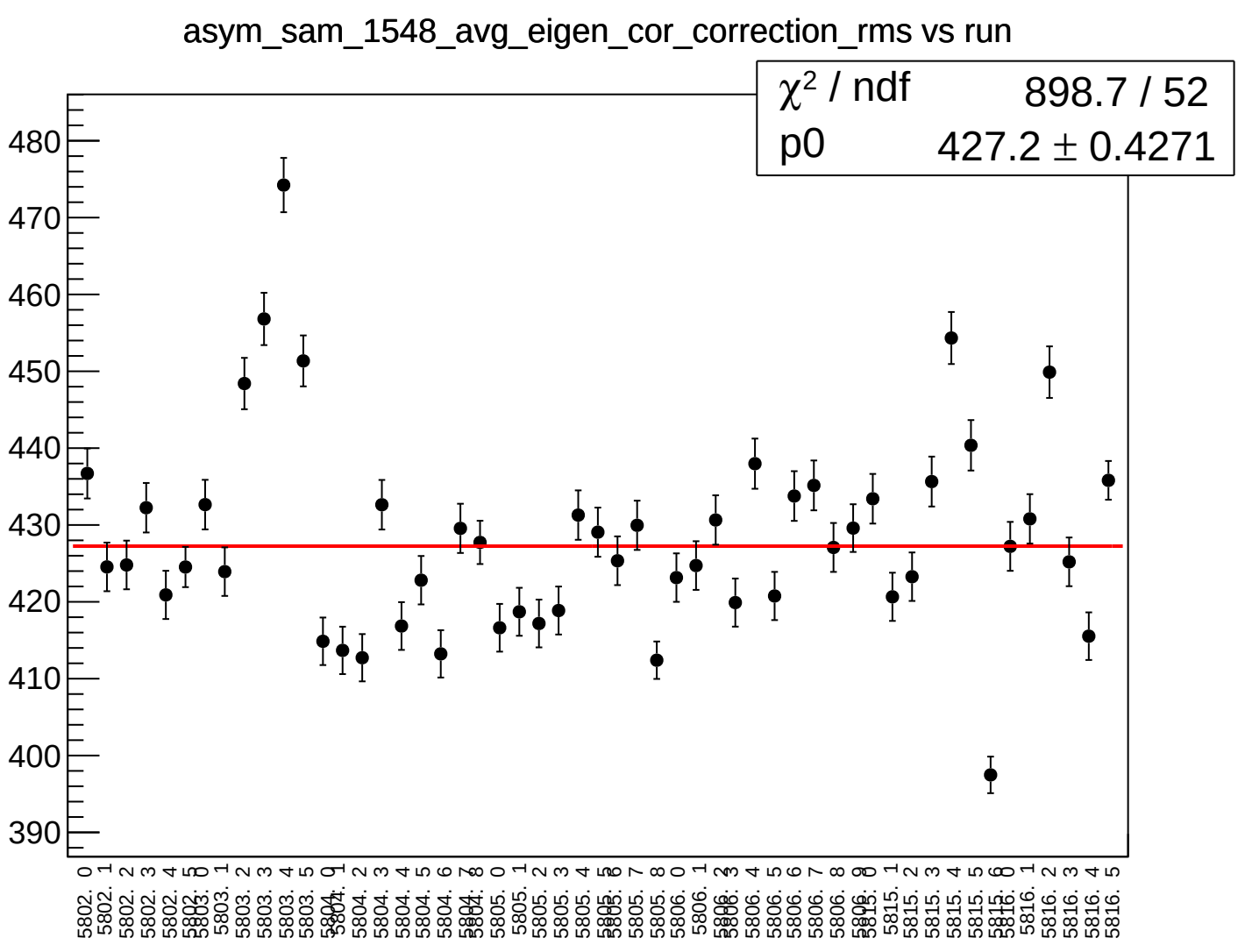

eigen_cor_asym_sam_1548_avg_mean vs run
χ^2 / ndf 47.85 / 52
p0 85.94 ± 86.61
pull
Entries 53
Mean 81.32
Std Dev 0

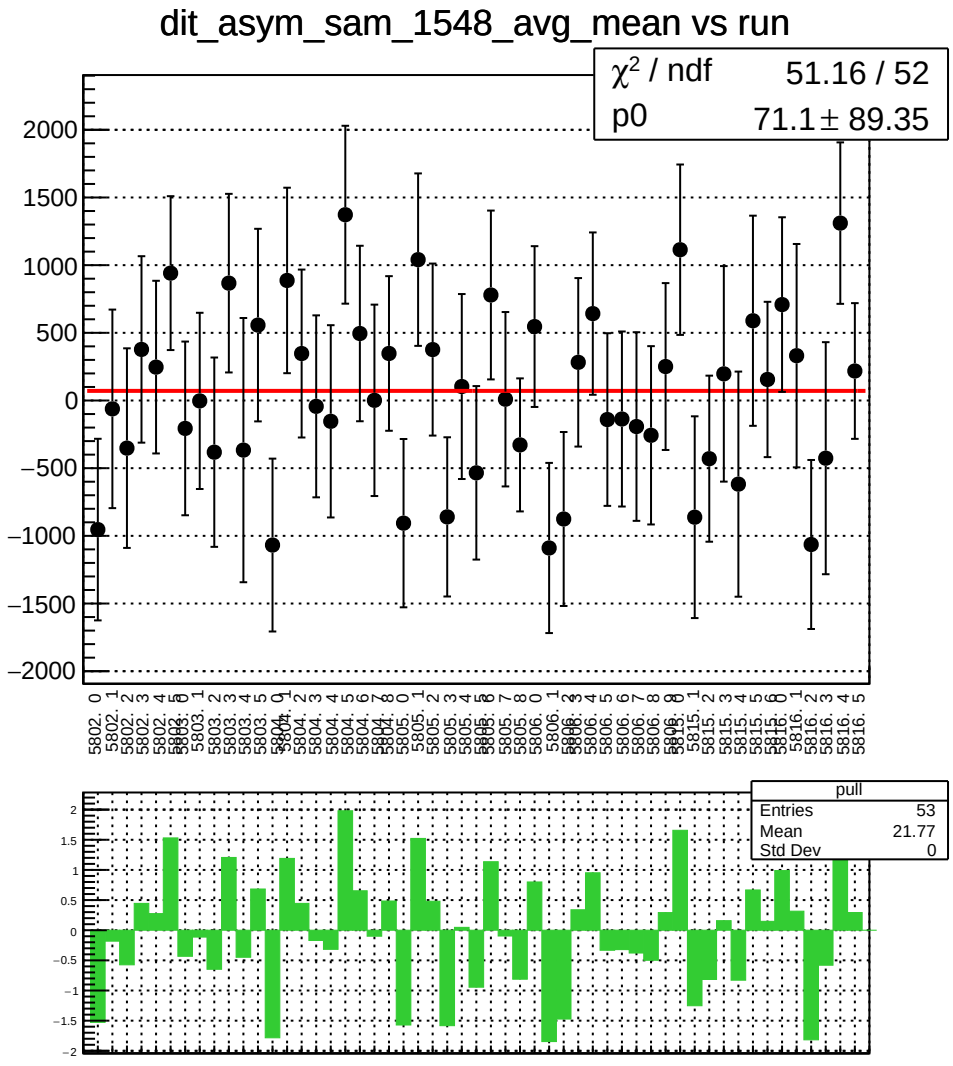

pull1D
Entries 53
Mean −0.007617
Std Dev 0.9502

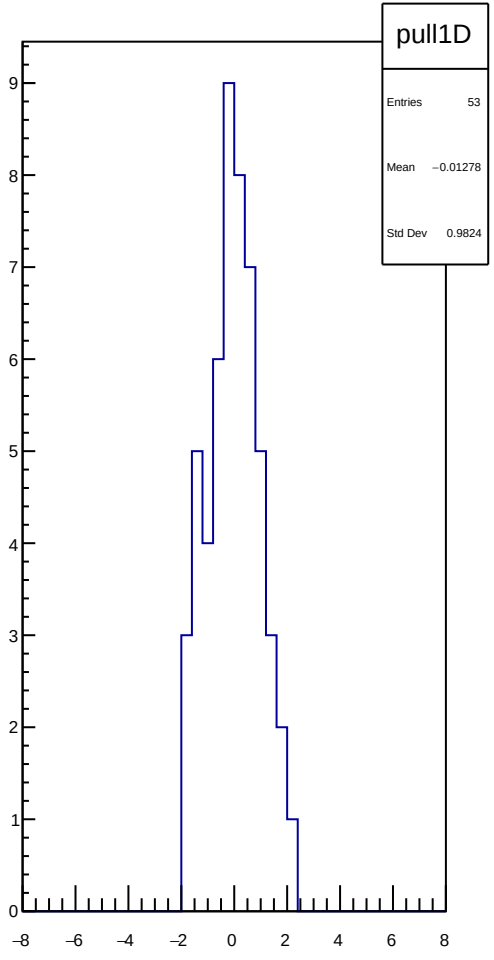

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 6916 / 52
p0 61.08 ± 0.06124
90
85
80
75
70
65
60
55
50

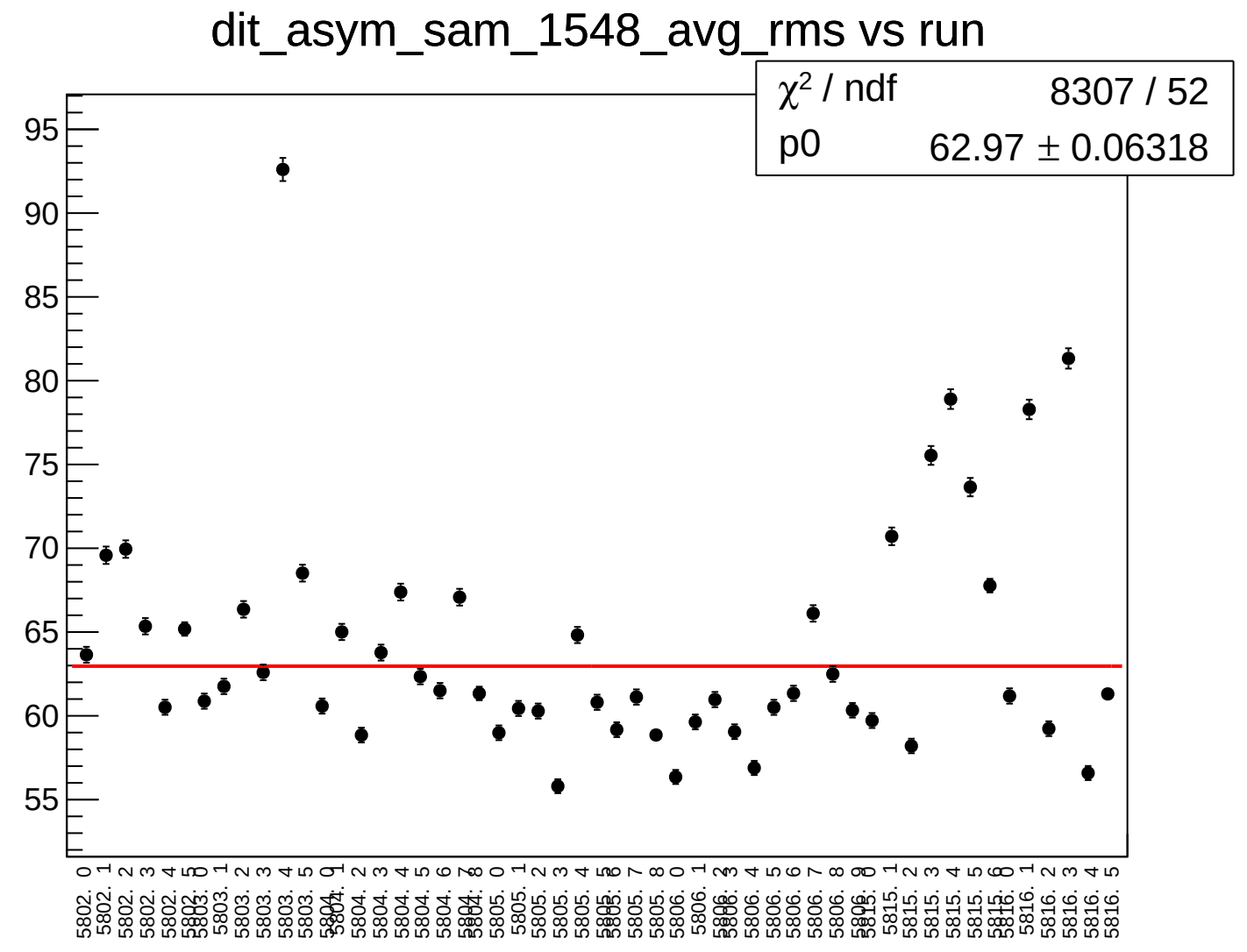

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.89 / 52
p0 47.16 ± 604
pull
Entries 53
Mean −445.9
Std Dev 0

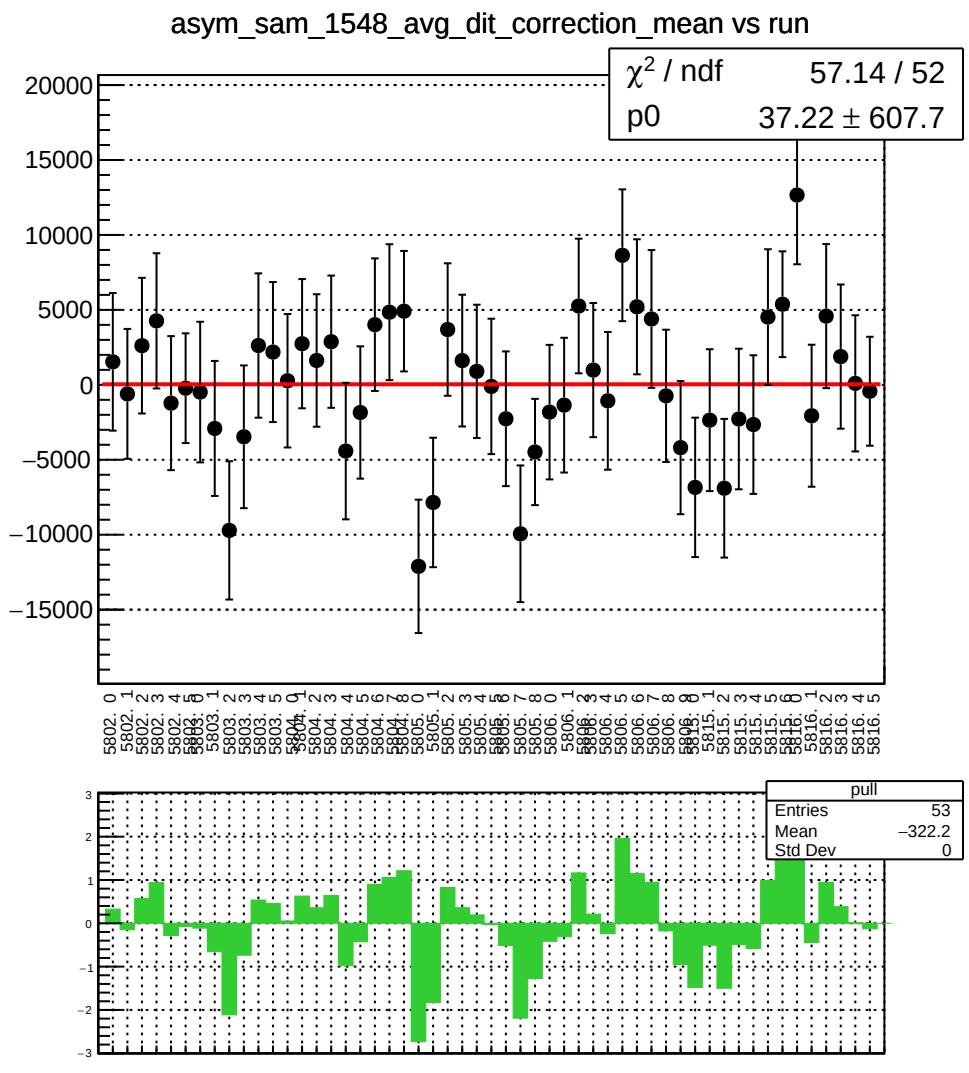

pull1D
Entries 53
Mean −0.003065
Std Dev 1.036

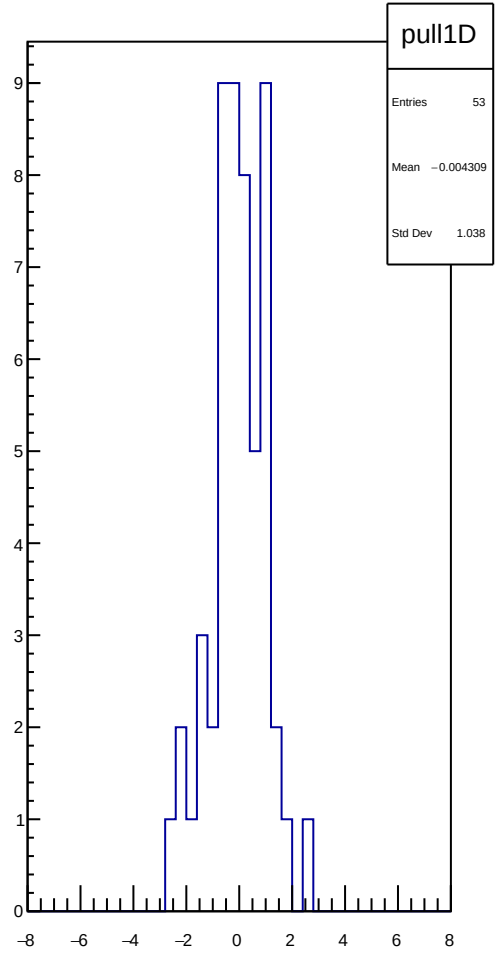

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 898.7 / 52
p0 427.2 ± 0.4271
480
470
460
450
440
430
420
410
400
390

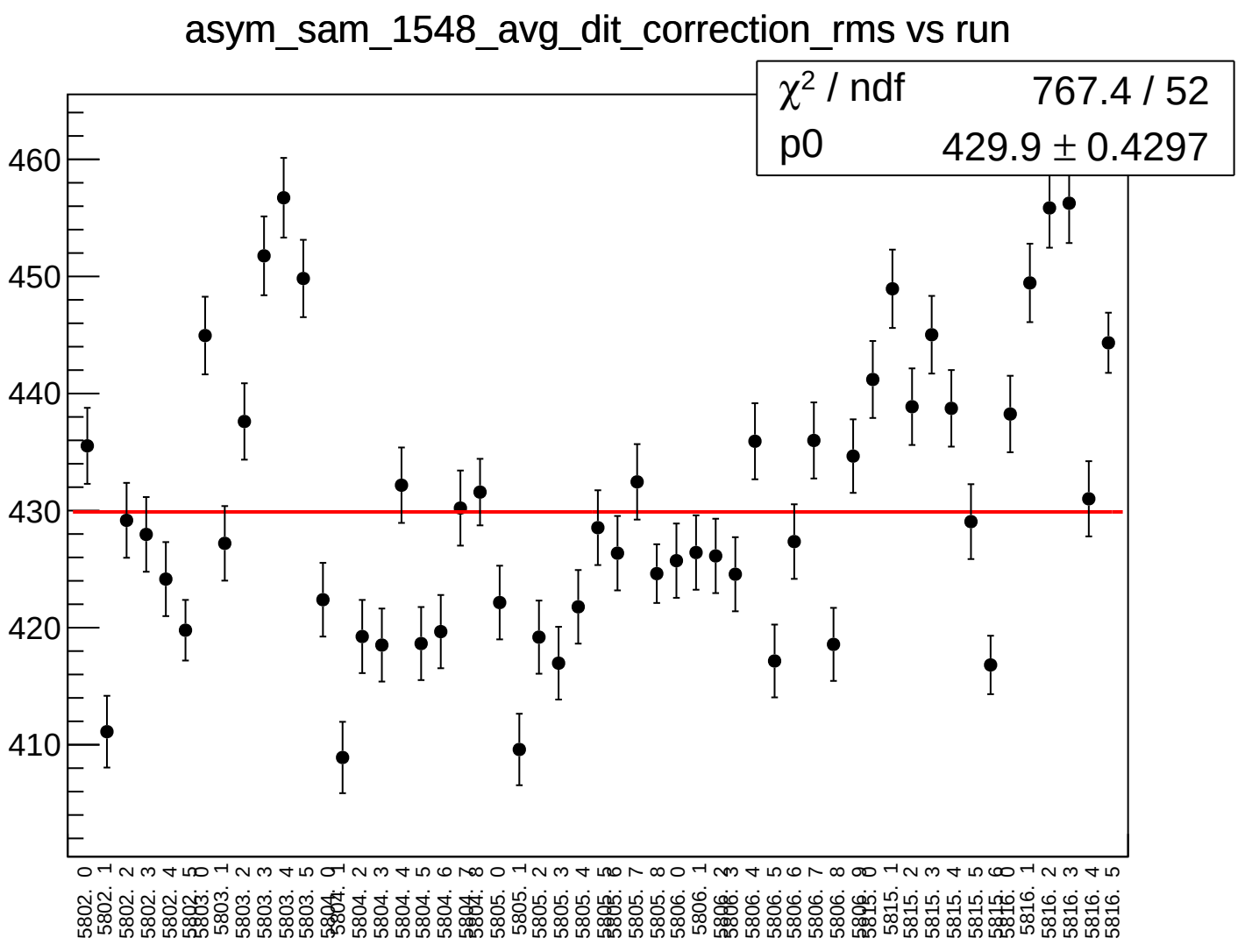

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 51.16 / 52
p0 71.1 ± 89.35
pull
Entries 53
Mean 21.77
Std Dev 0

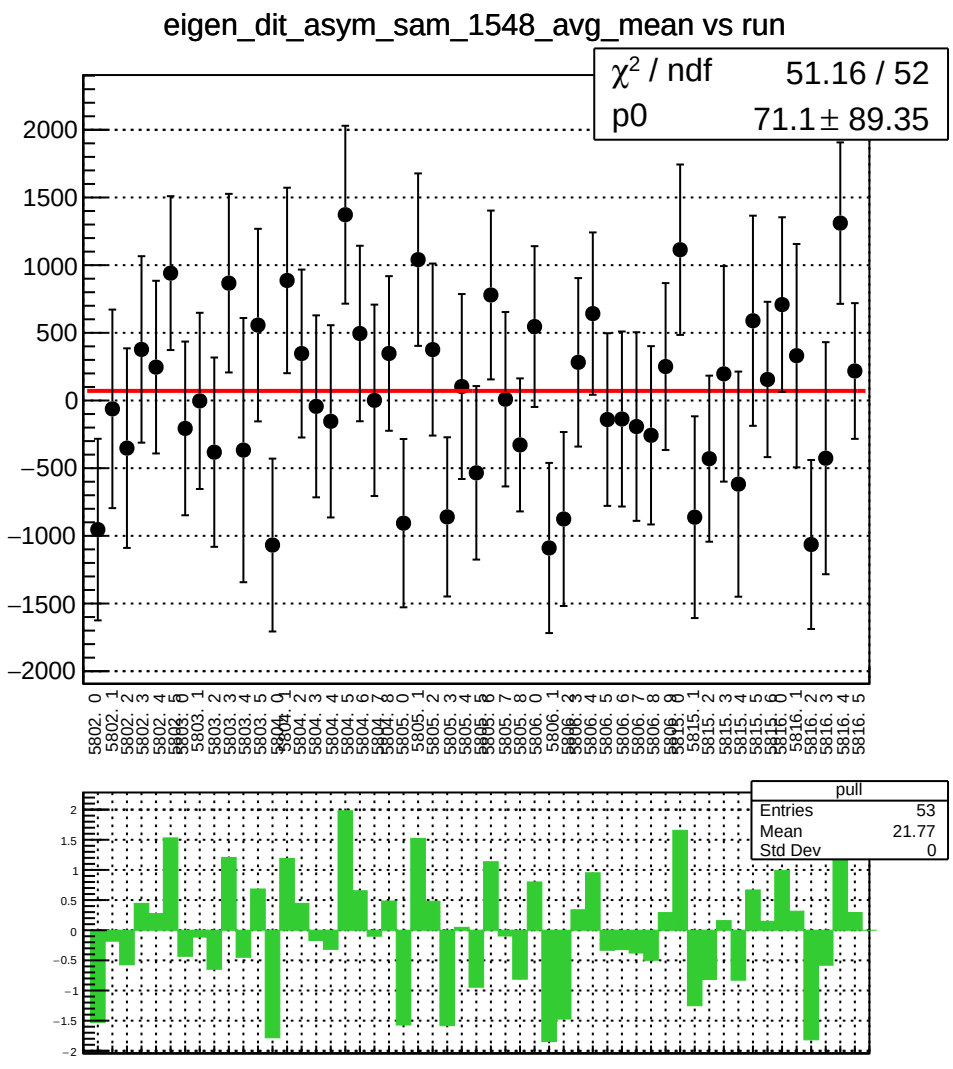

pull1D
Entries 53
Mean −0.01278
Std Dev 0.9824

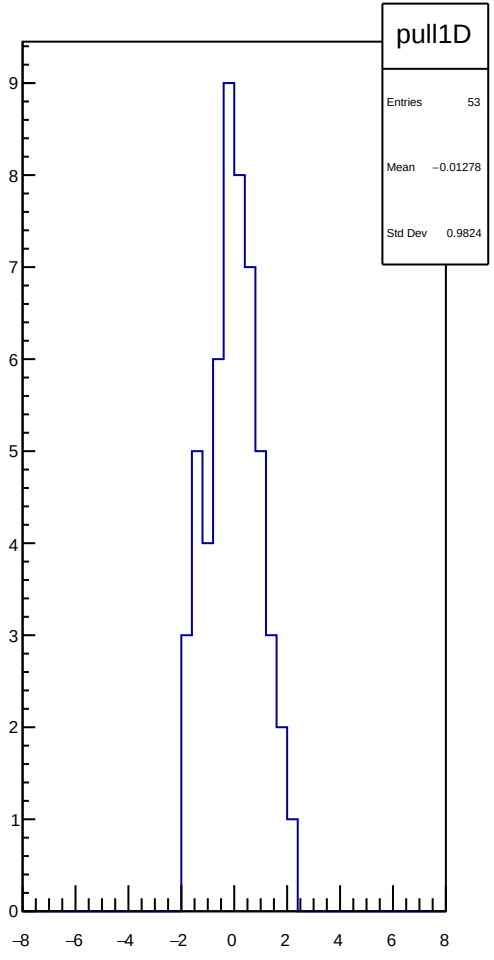

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 8307 / 52
p0 62.97 ± 0.06318
95
90
85
80
75
70
65
60
55

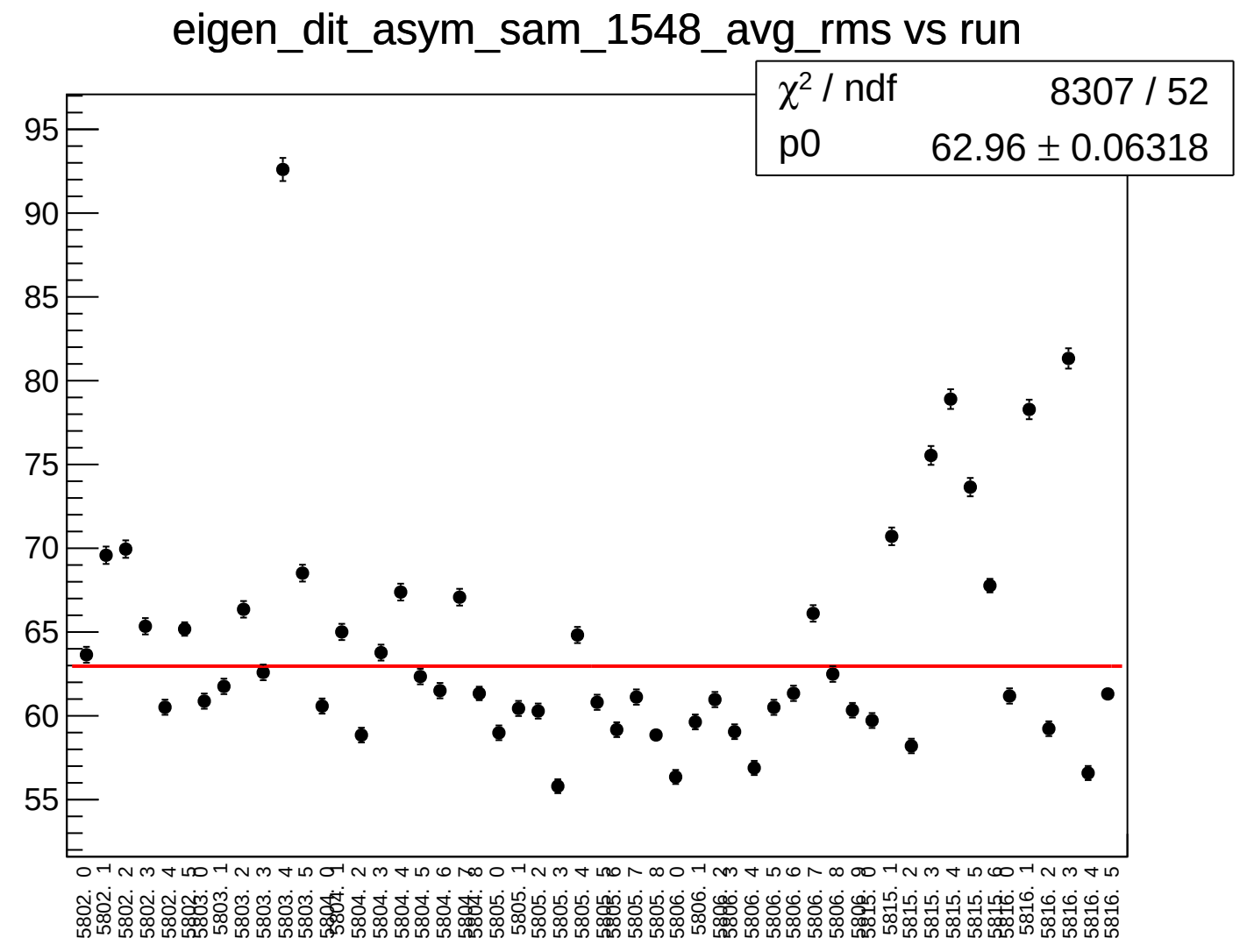

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 57.14 / 52
p0 37.22 ± 607.7
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −322.2
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.004309
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

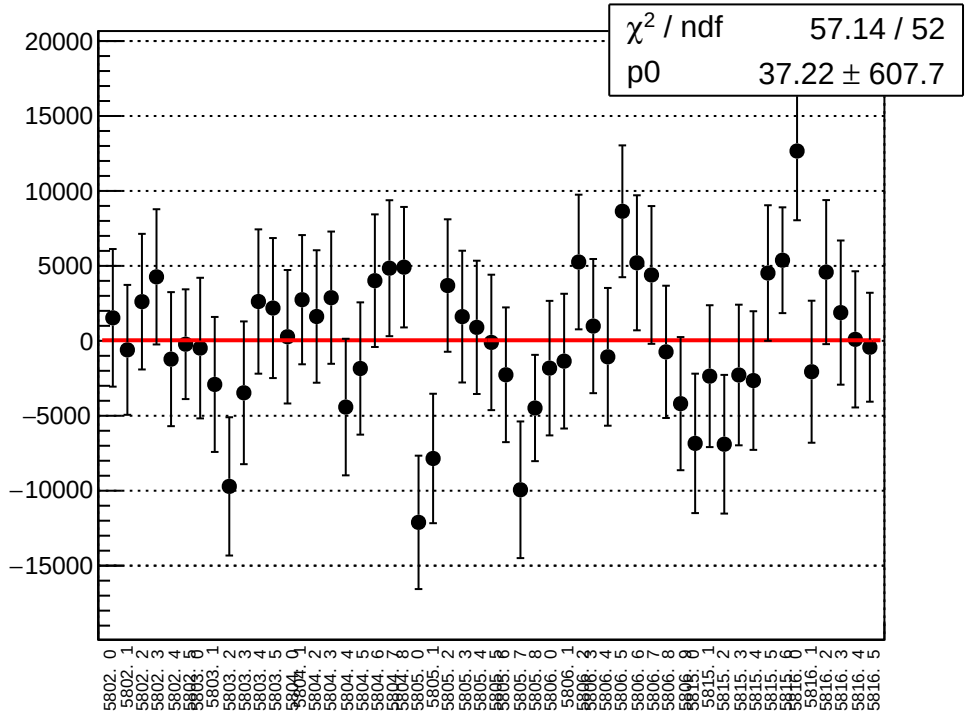

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 767.4 / 52
p0 429.9 ± 0.4297
460
450
440
430
420
410

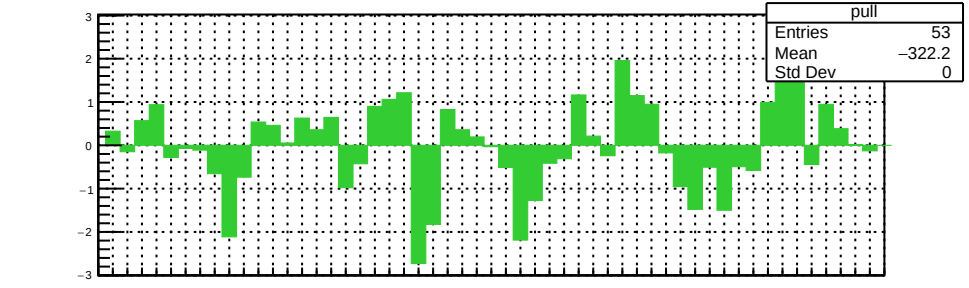

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 51.16 / 52
p0 71.1 ± 89.35
pull
Entries 53
Mean 21.77
Std Dev 0

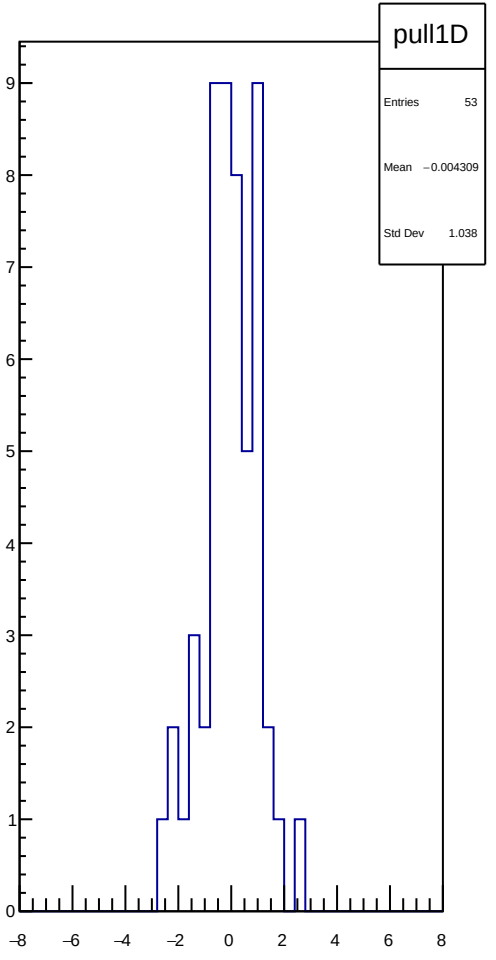

pull1D
Entries 53
Mean −0.01278
Std Dev 0.9824

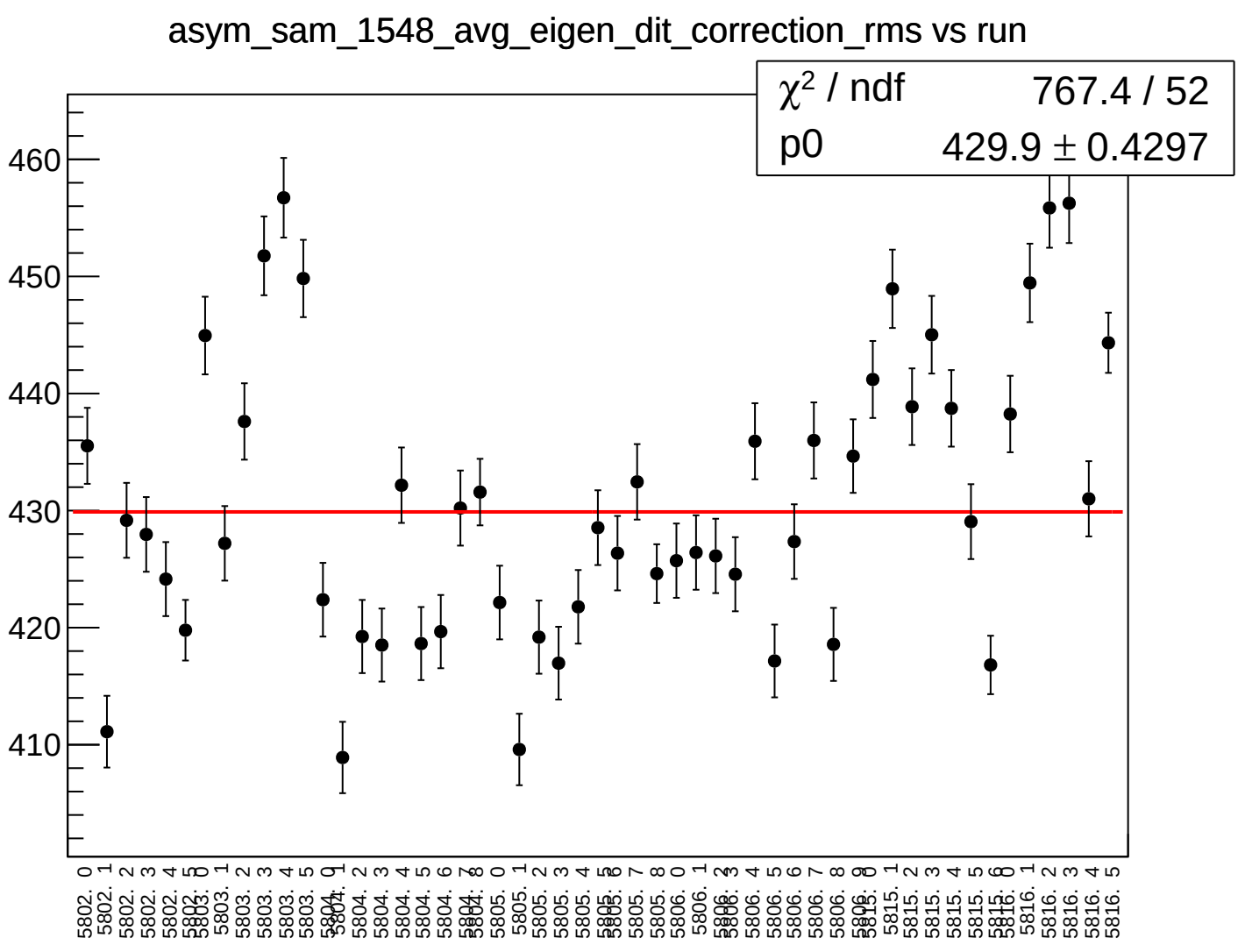

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 8307 / 52
p0 62.96 ± 0.06318
95
90
85
80
75
70
65
60
55
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

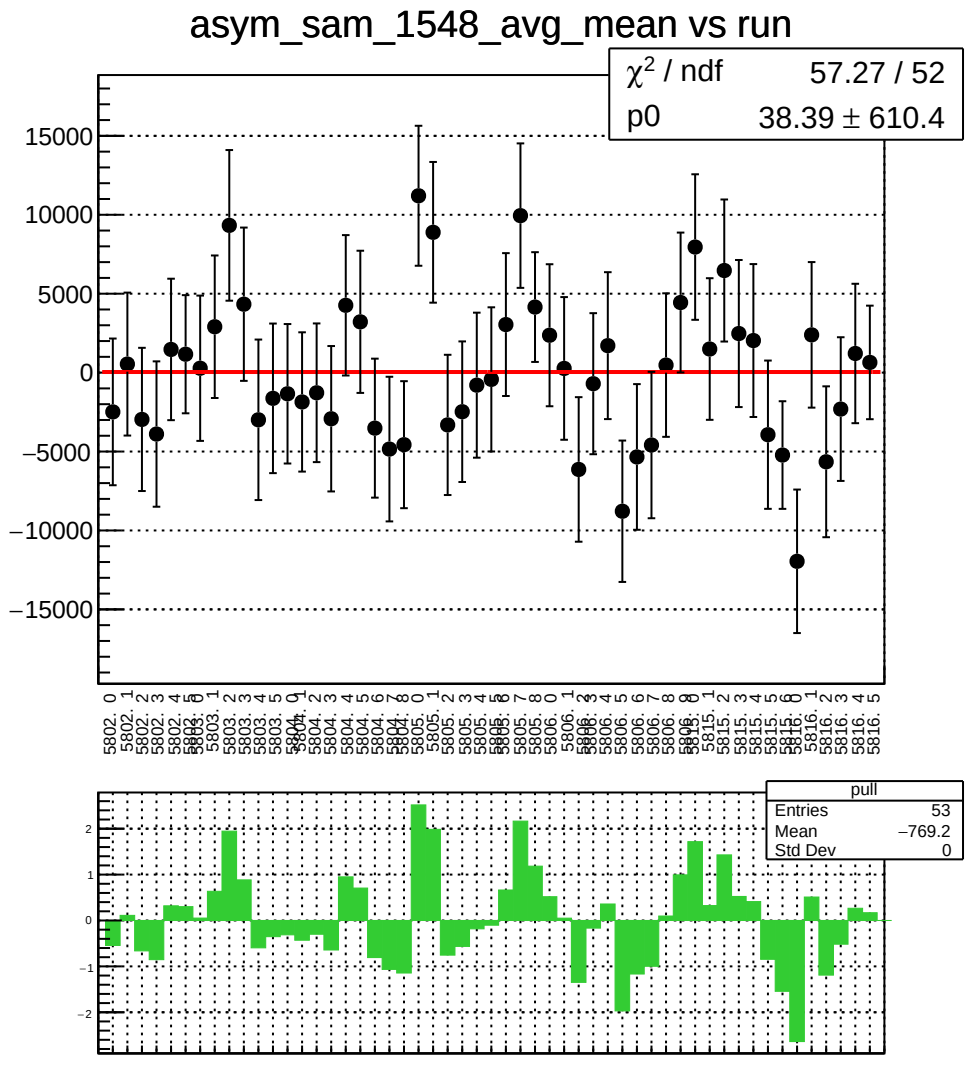
asym_sam_1548_avg_eigen_dit_correction_mean vs run

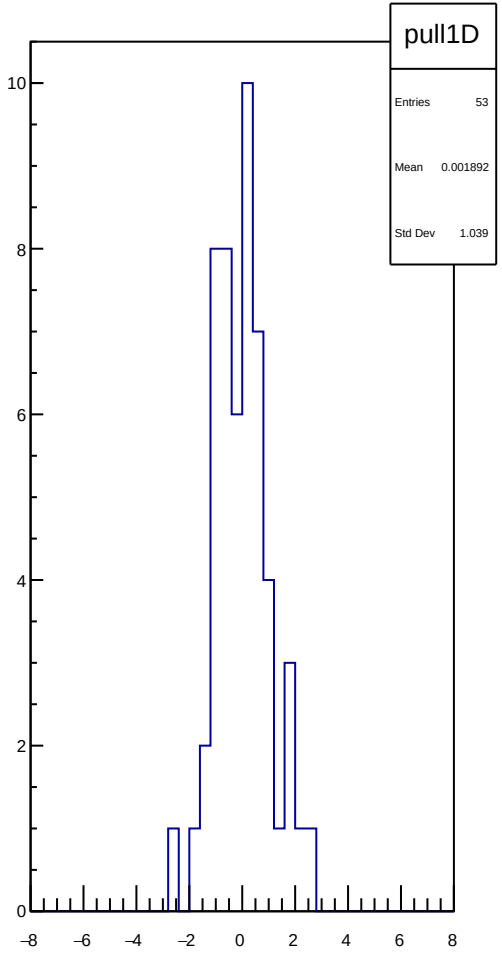


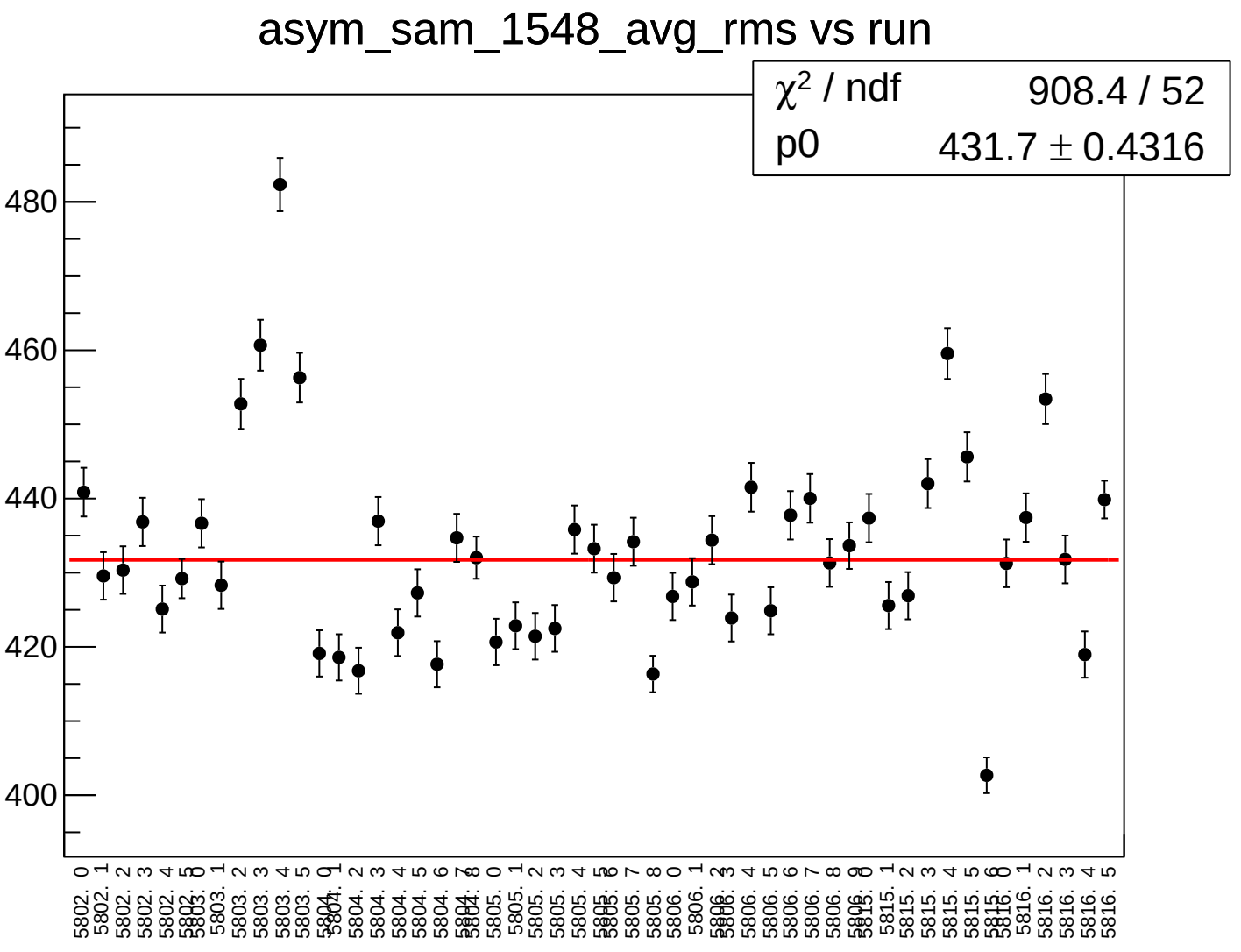


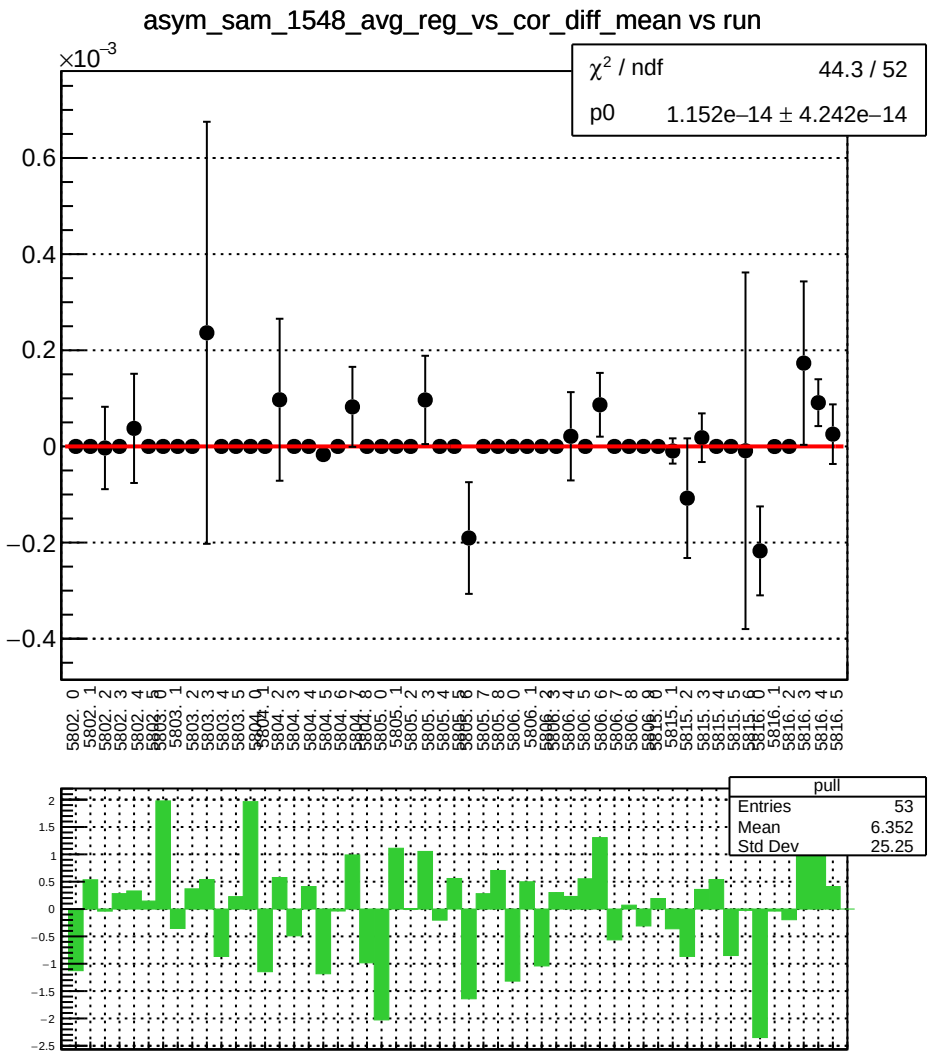


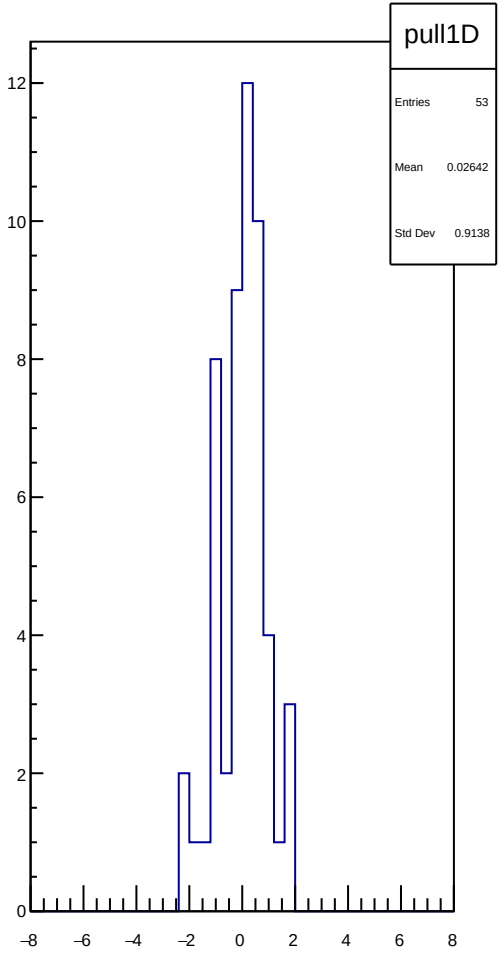

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 767.4 / 52
p0 429.9 ± 0.4297
460
450
440
430
420
410
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

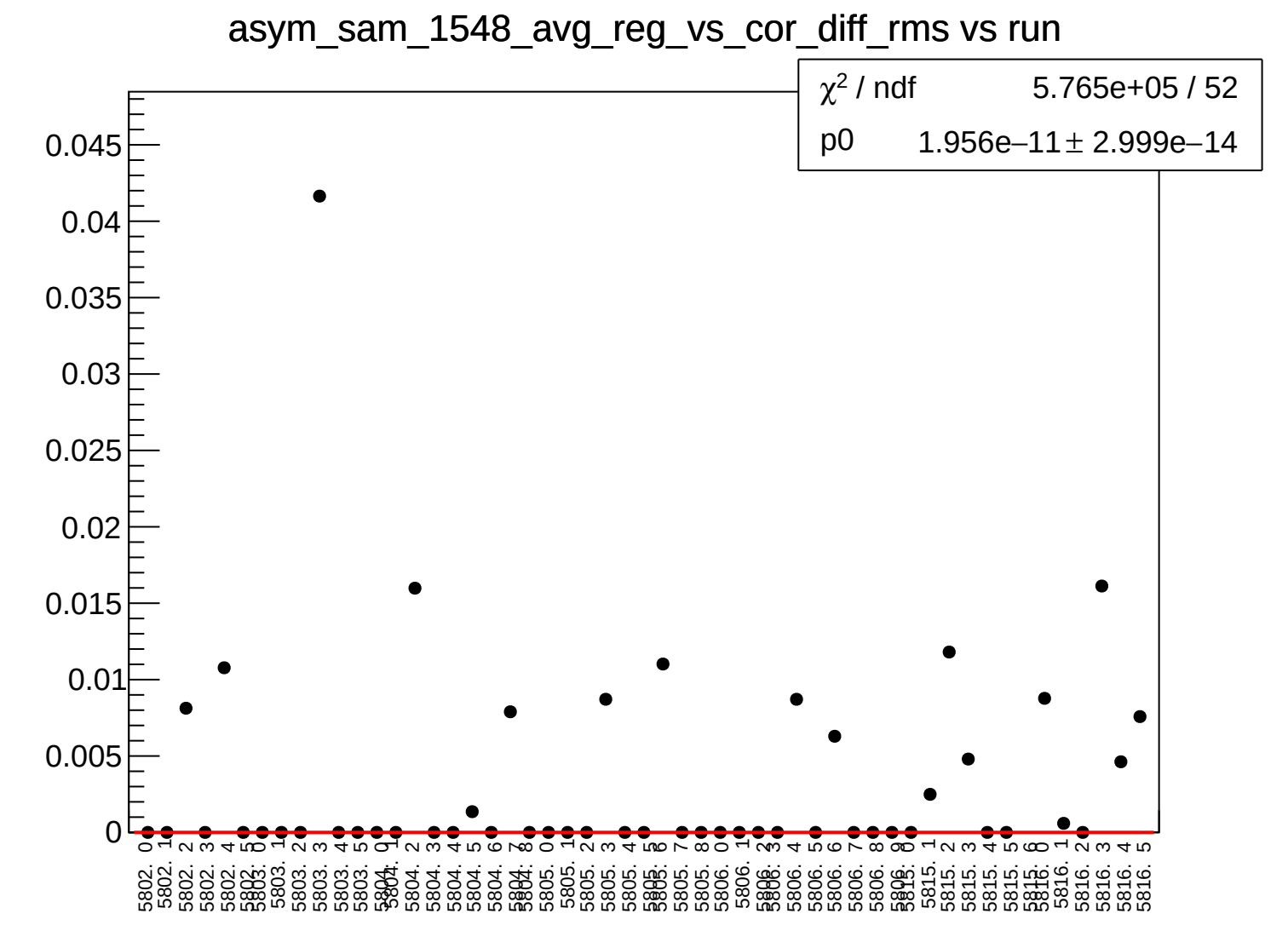

asym_sam_1548_avg_mean vs run
χ² / ndf 57.27 / 52
p0 38.39 ± 610.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −769.2
Std Dev 0
2
1
0
−1
−2

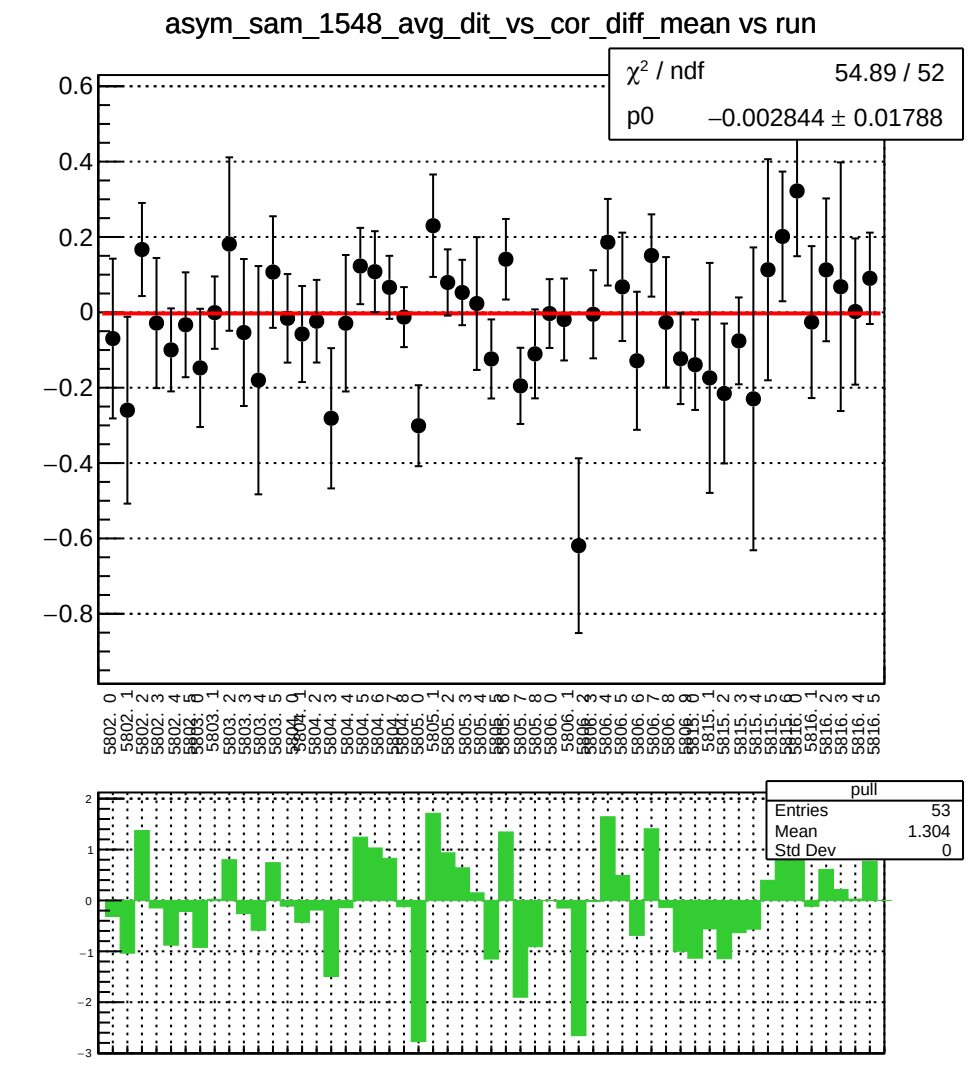

pull1D
Entries 53
Mean 0.001892
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

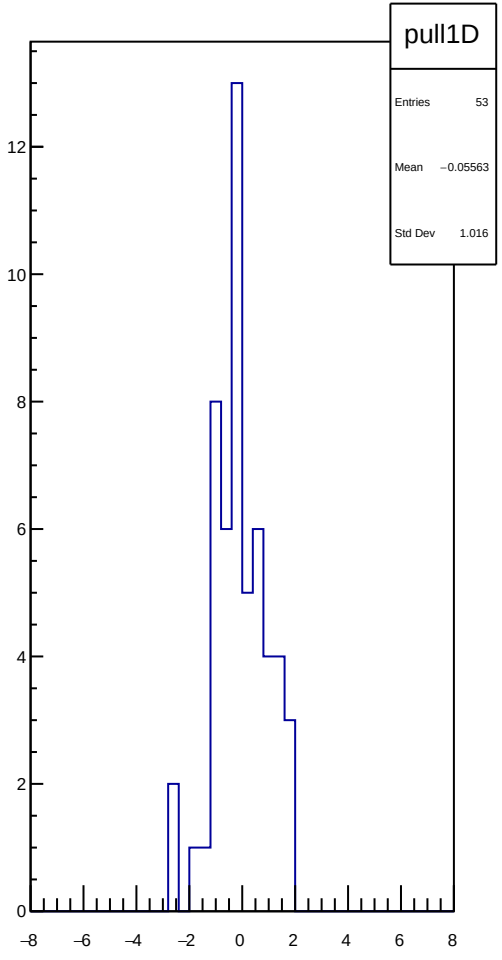

asym_sam_1548_avg_rms vs run
χ² / ndf 908.4 / 52
p0 431.7 ± 0.4316
480
460
440
420
400

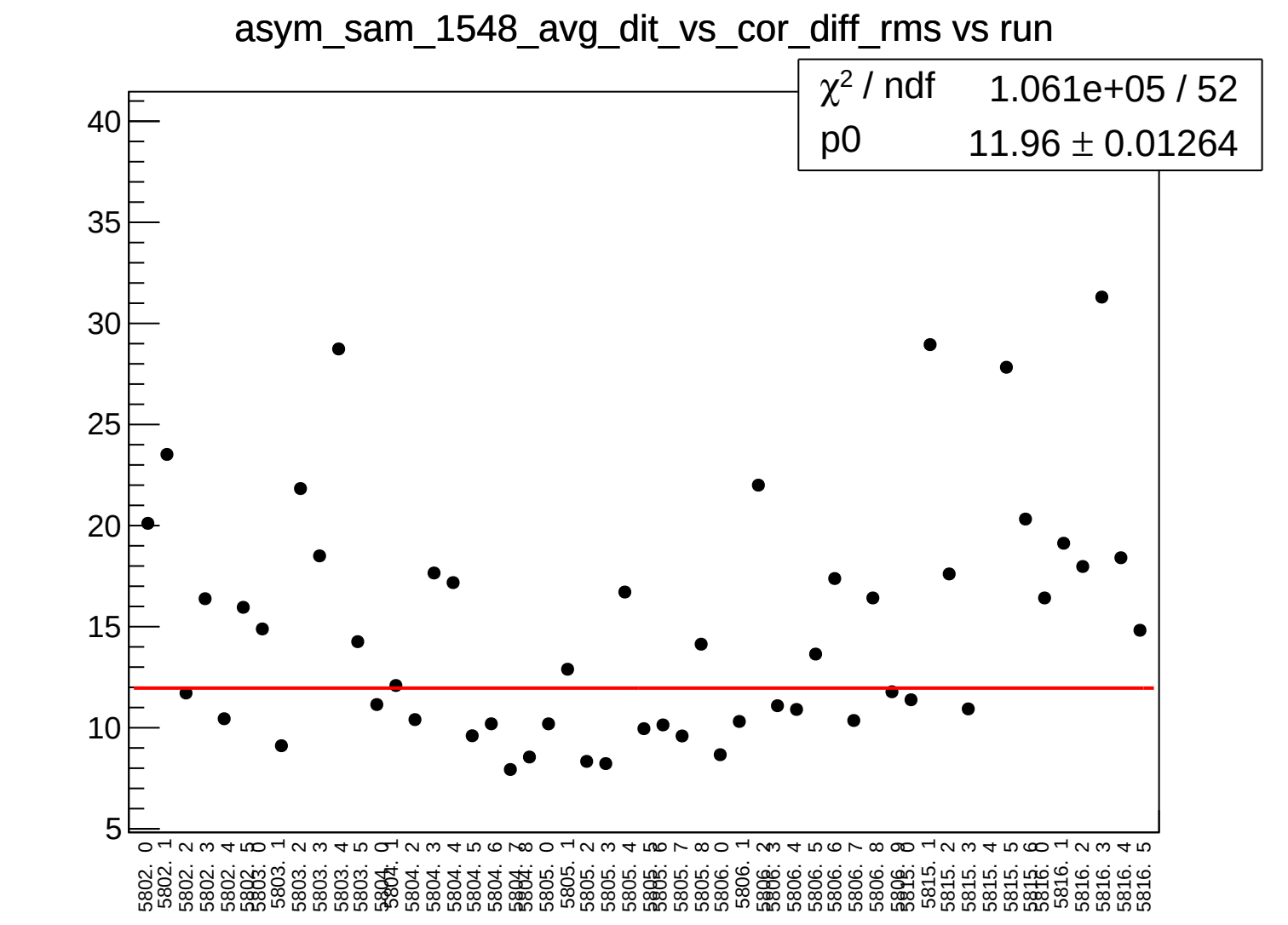

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 44.3 / 52
p0 1.152e−14 ± 4.242e−14
pull
Entries 53
Mean 6.352
Std Dev 25.25

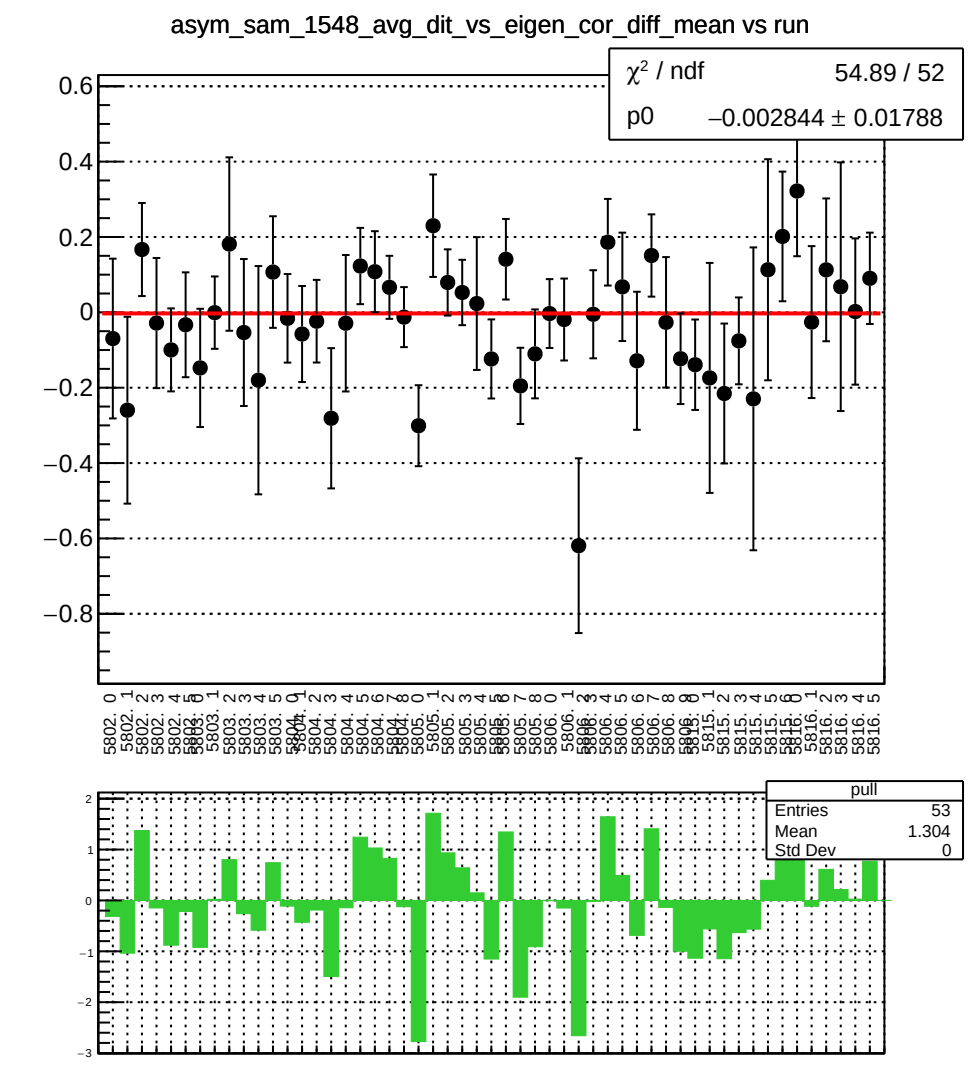

pull1D
Entries 53
Mean 0.02642
Std Dev 0.9138

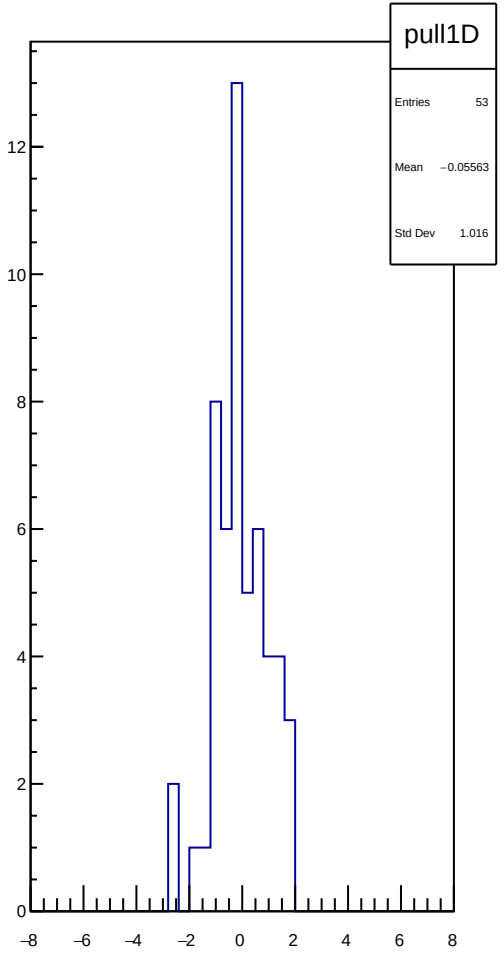

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.765e+05 / 52
p0 1.956e−11 ± 2.999e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

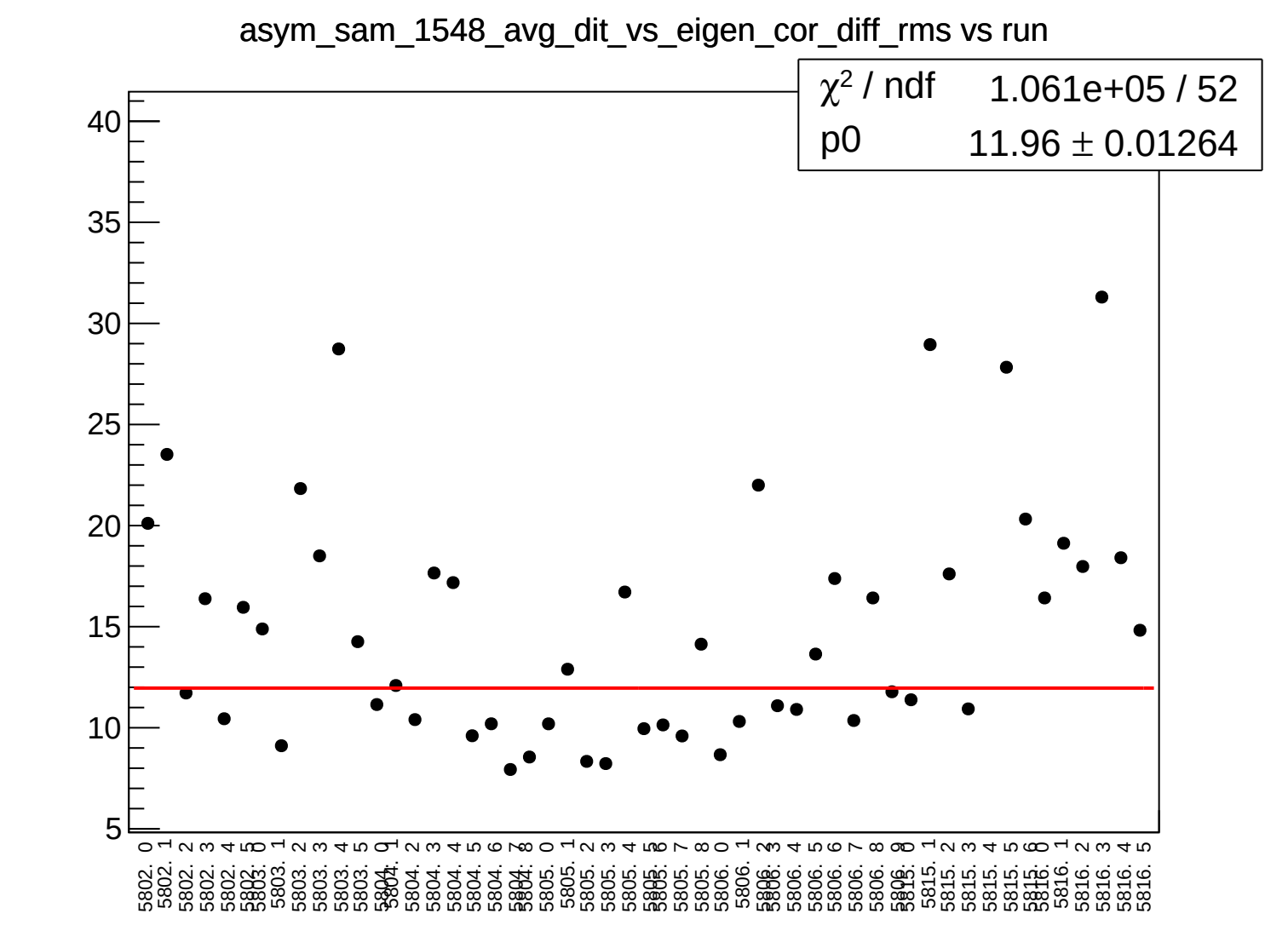

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.89 / 52
p0 −0.002844 ± 0.01788
pull
Entries 53
Mean 1.304
Std Dev 0

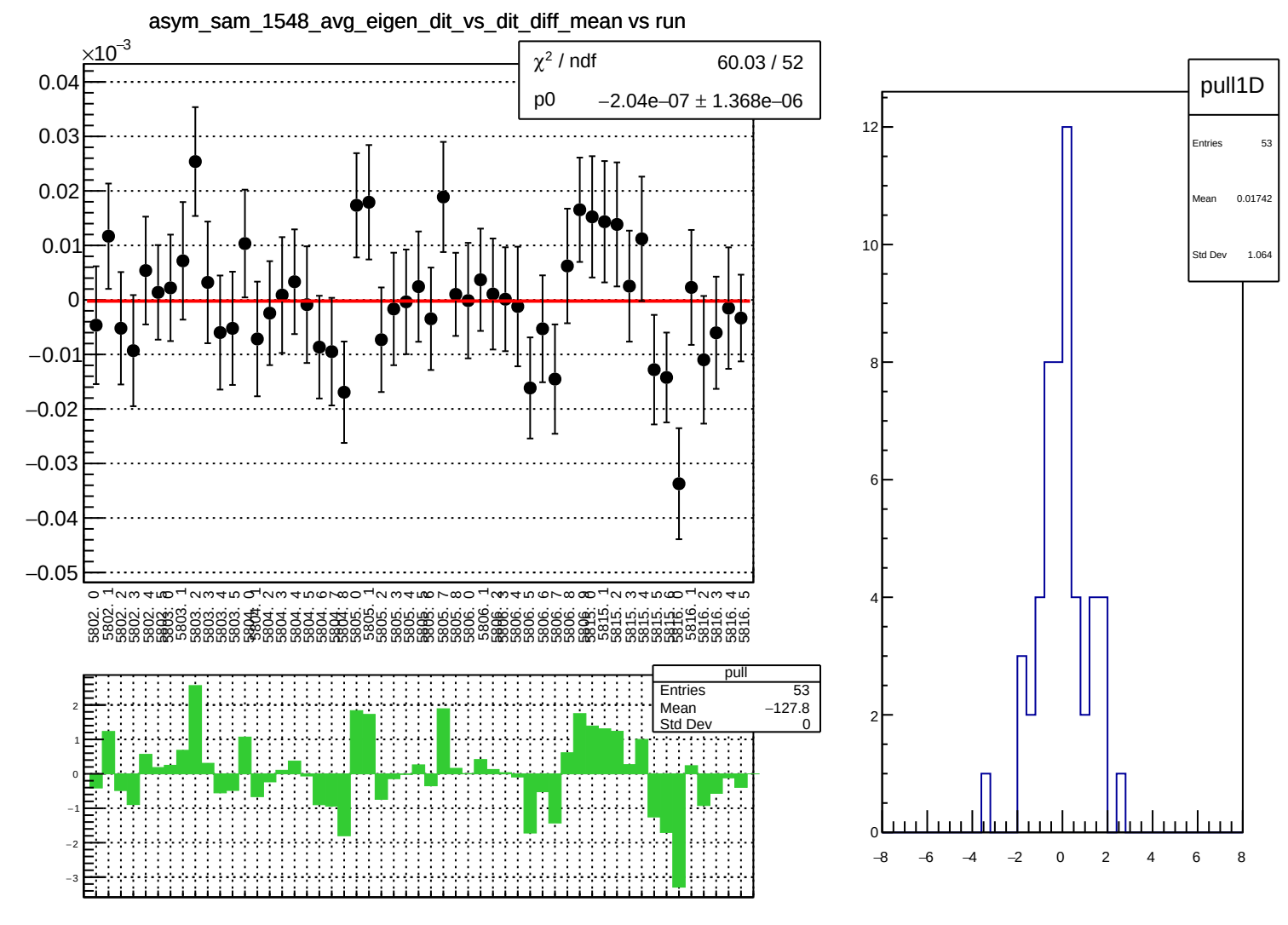

pull1D
Entries 53
Mean −0.05563
Std Dev 1.016

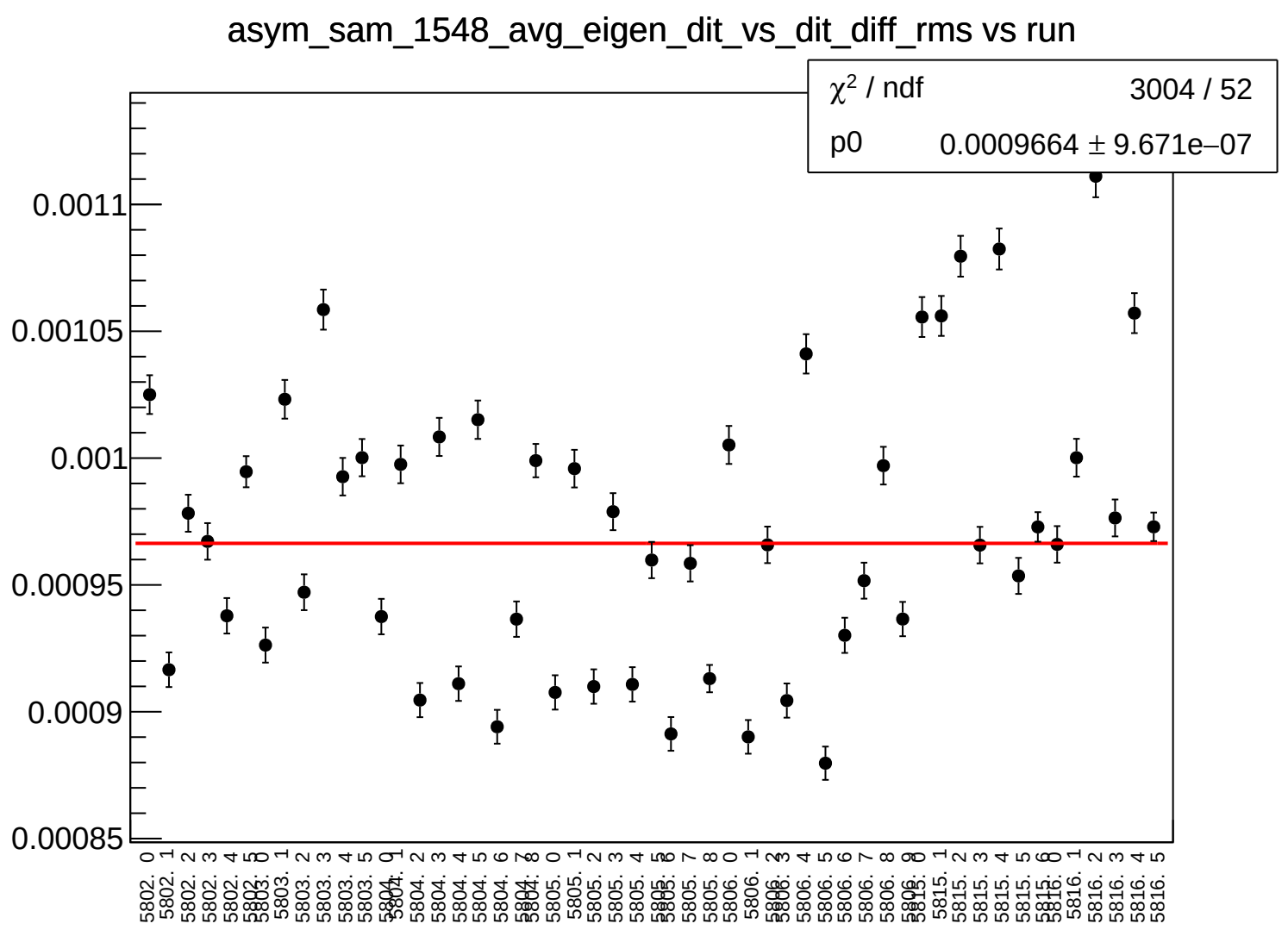

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 52
p0 11.96 ± 0.01264
40
35
30
25
20
15
10
5

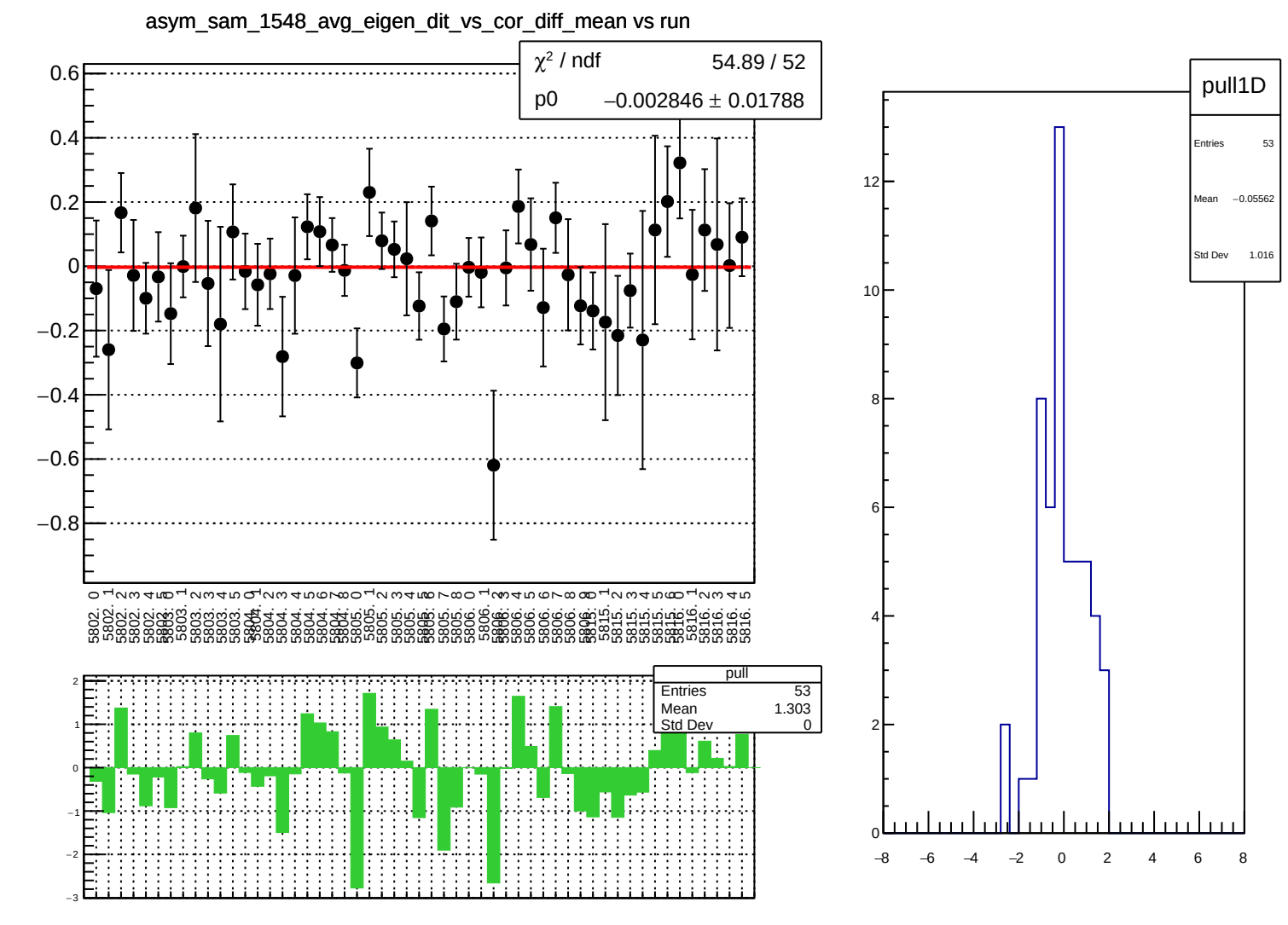

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.89 / 52
p0 −0.002844 ± 0.01788
pull
Entries 53
Mean 1.304
Std Dev 0

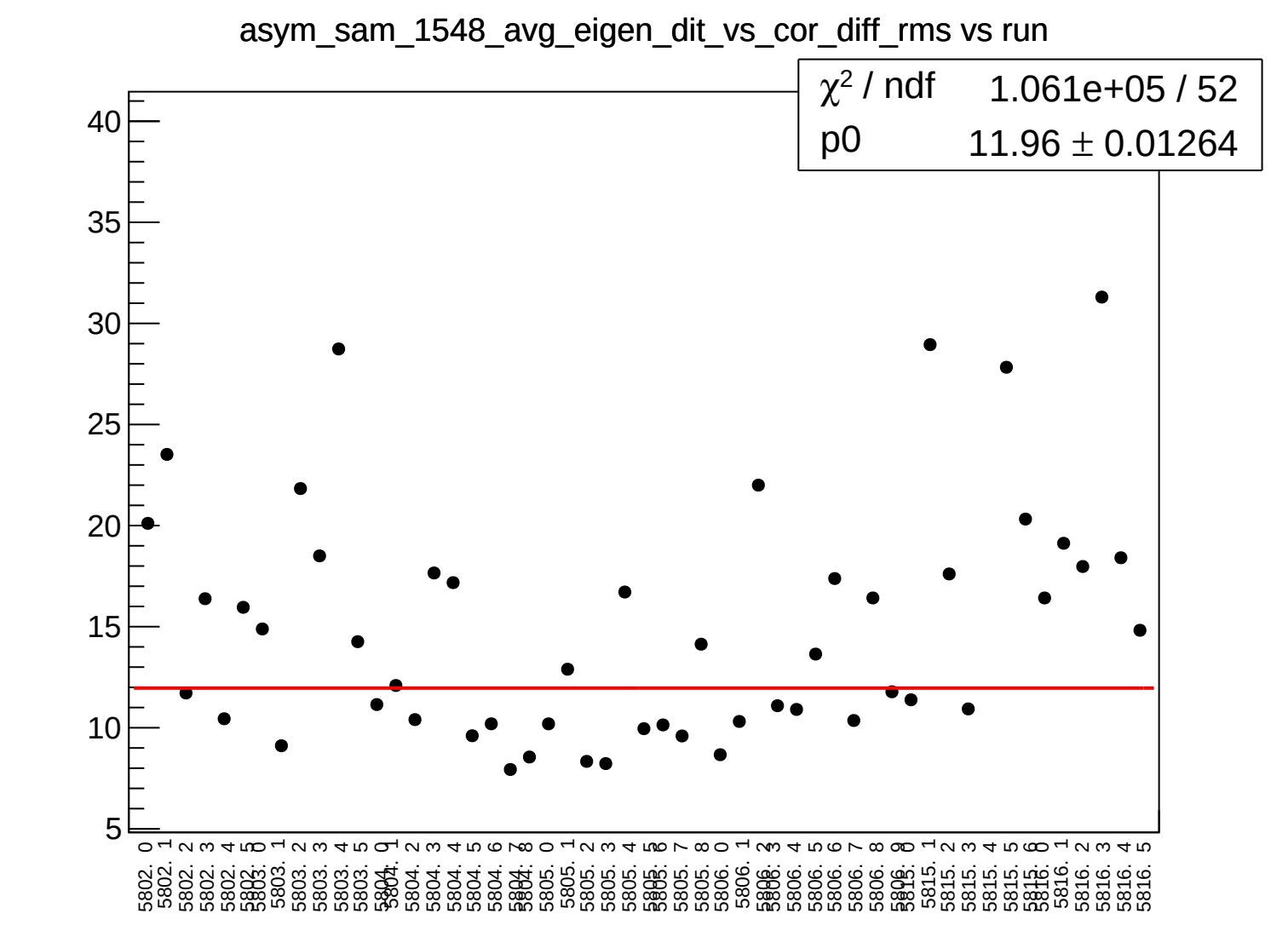

pull1D
Entries 53
Mean −0.05563
Std Dev 1.016

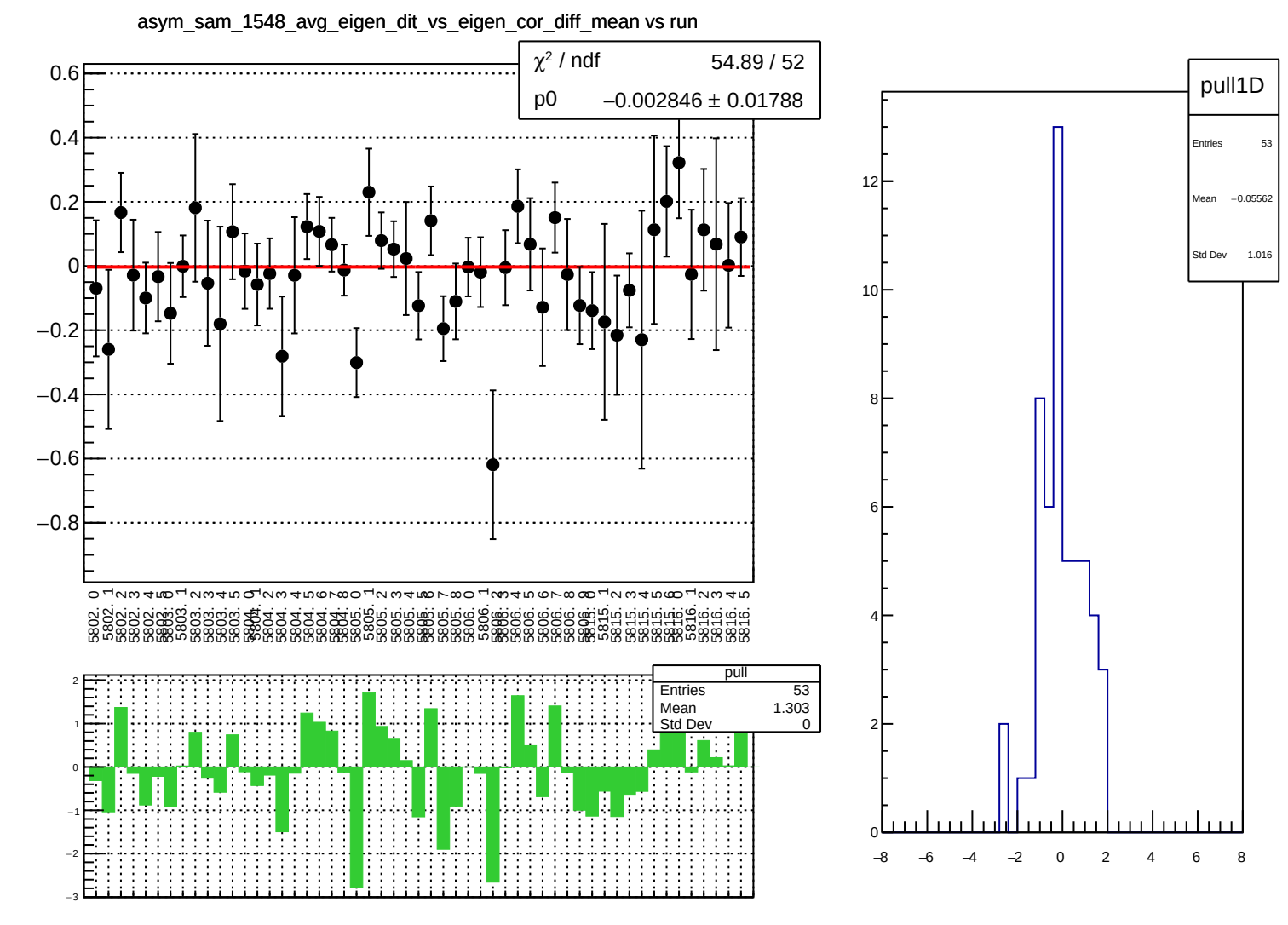

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 52
p0 11.96 ± 0.01264
40
35
30
25
20
15
10
5

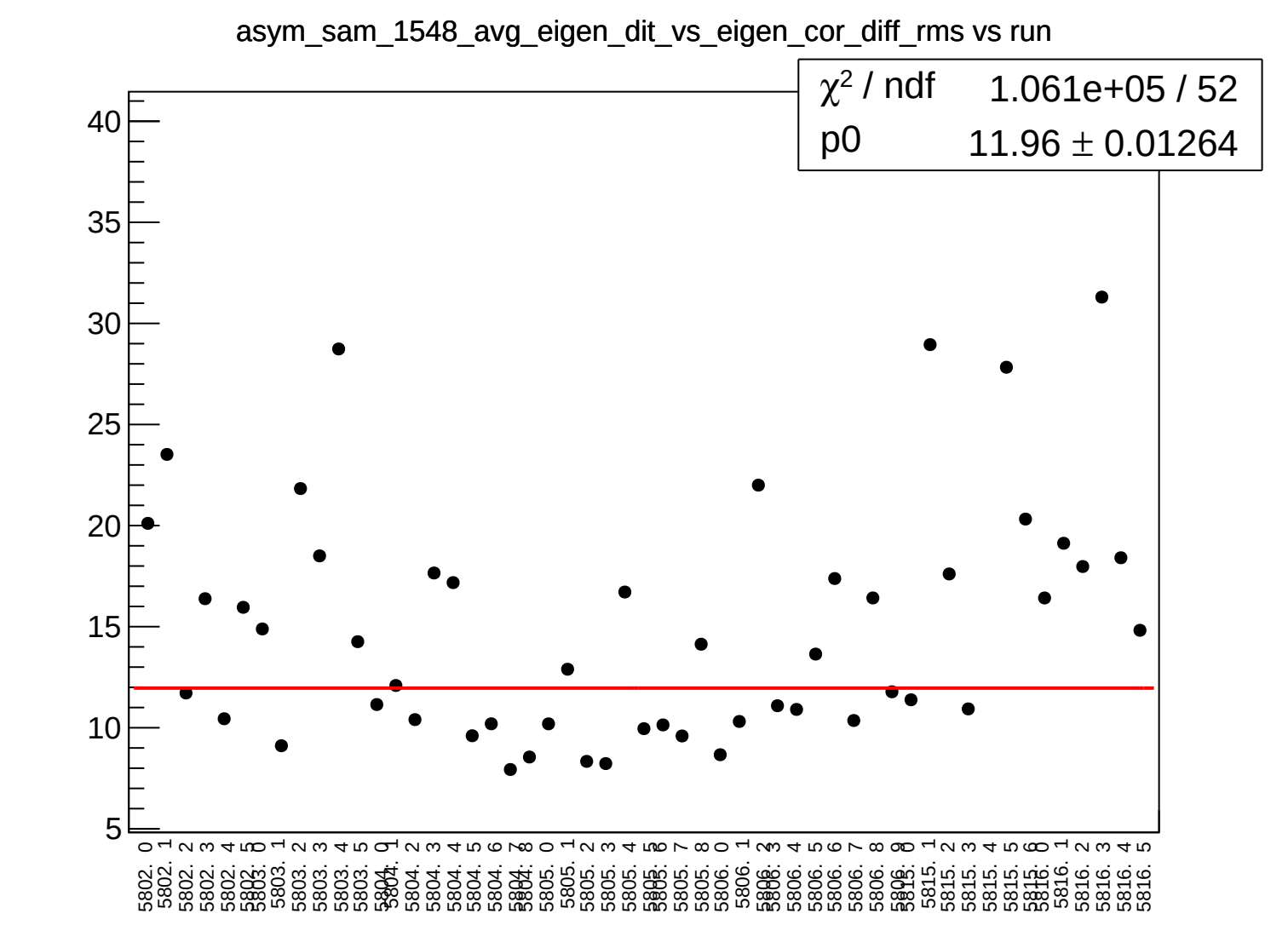

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.03 / 52
p0 −2.04e−07 ± 1.368e−06
pull
Entries 53
Mean −127.8
Std Dev 0
pull1D
Entries 53
Mean 0.01742
Std Dev 1.064

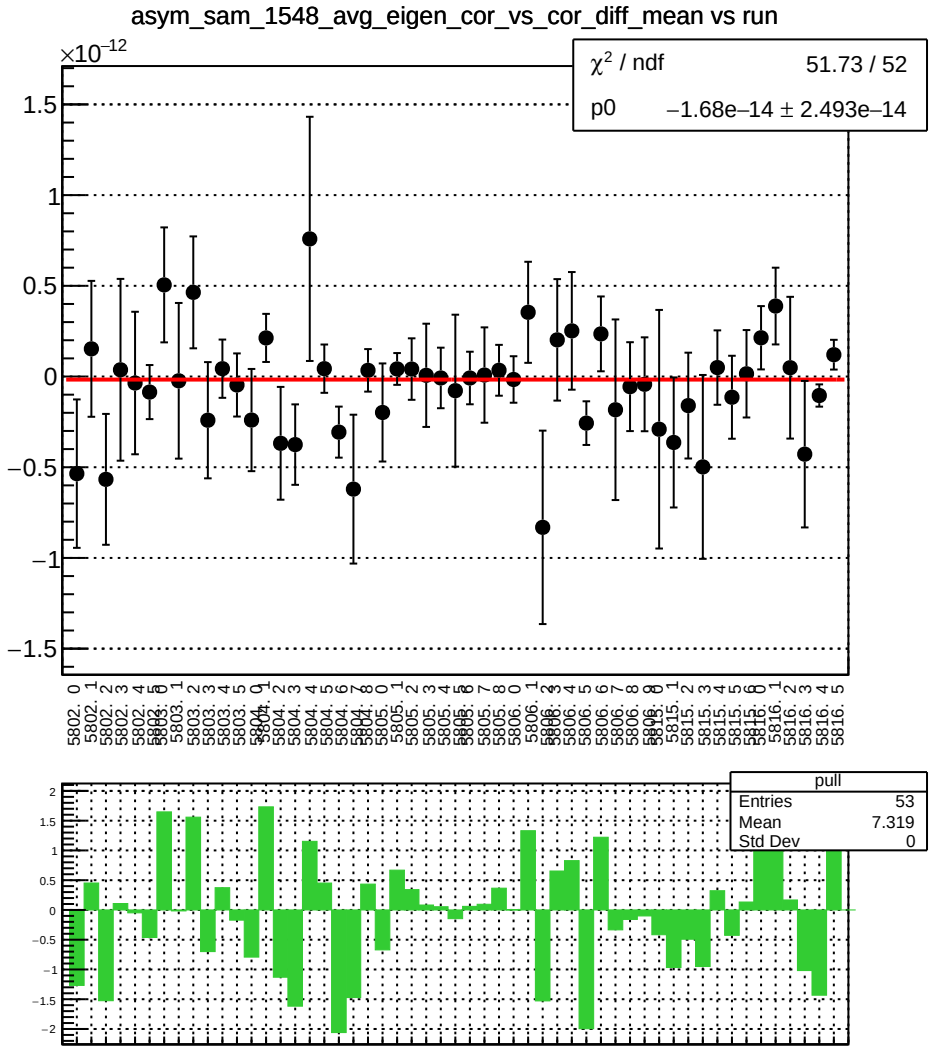

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3004 / 52
p0 0.0009664 ± 9.671e−07
0.0011
0.00105
0.001
0.00095
0.0009
0.00085

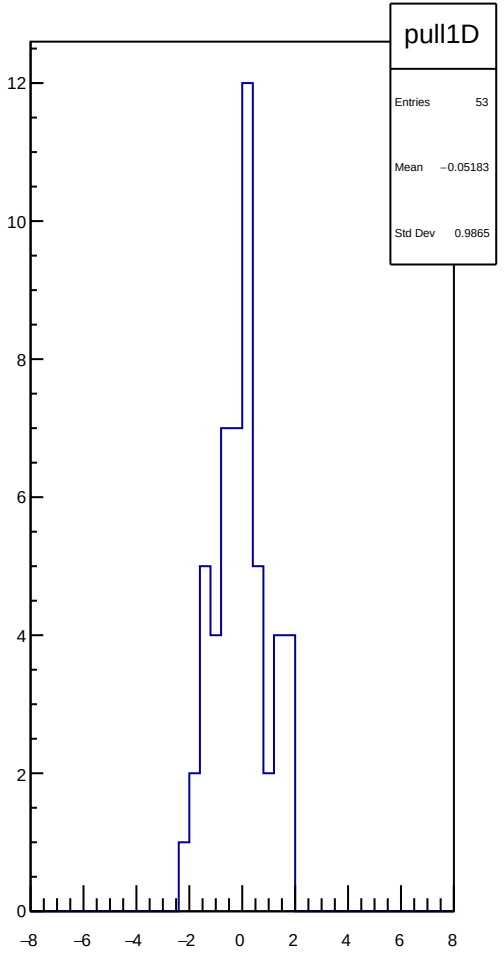

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.89 / 52
p0 −0.002846 ± 0.01788
pull
Entries 53
Mean 1.303
Std Dev 0
pull1D
Entries 53
Mean −0.05562
Std Dev 1.016

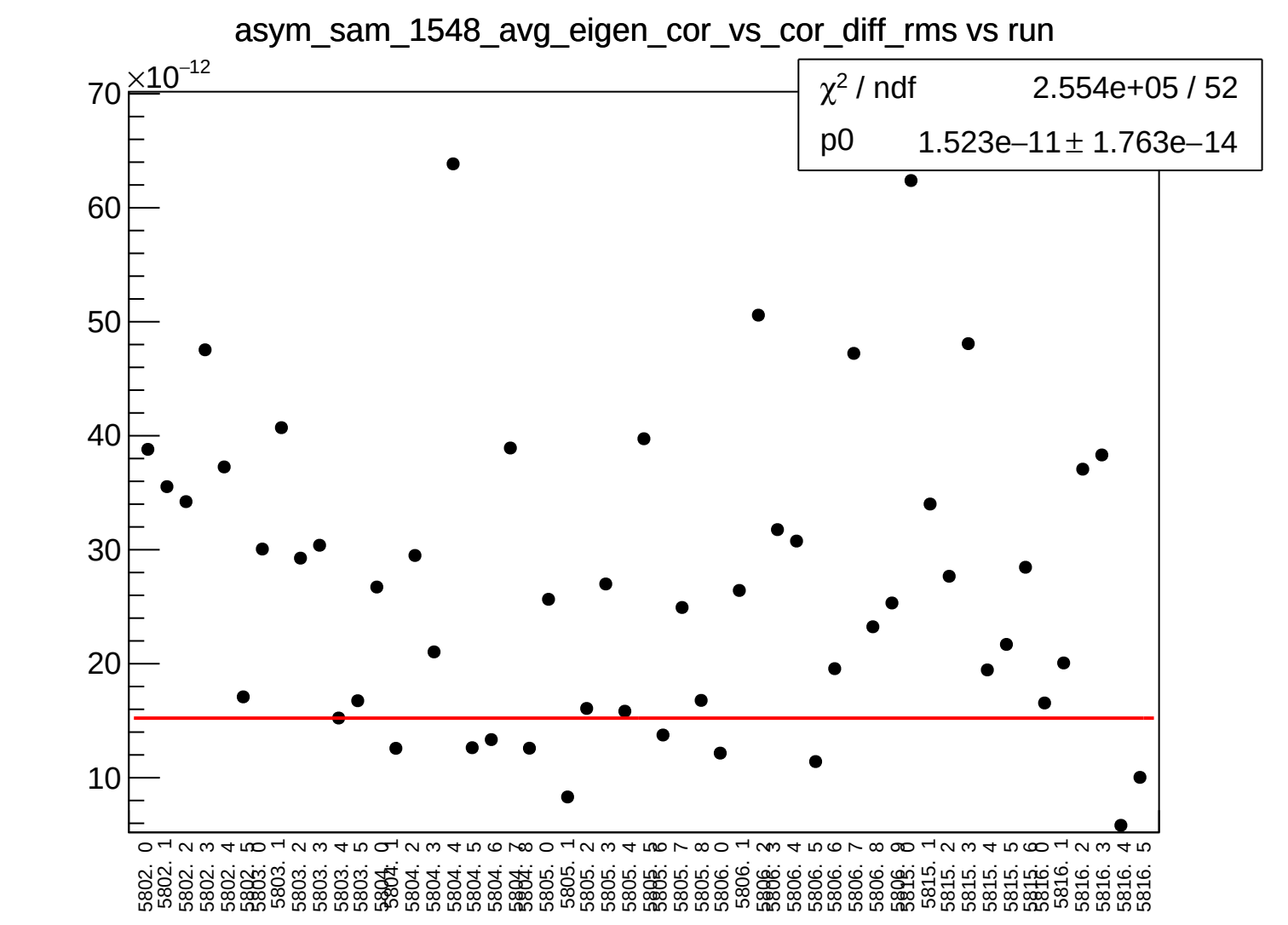

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 52
p0 11.96 ± 0.01264
40
35
30
25
20
15
10
5

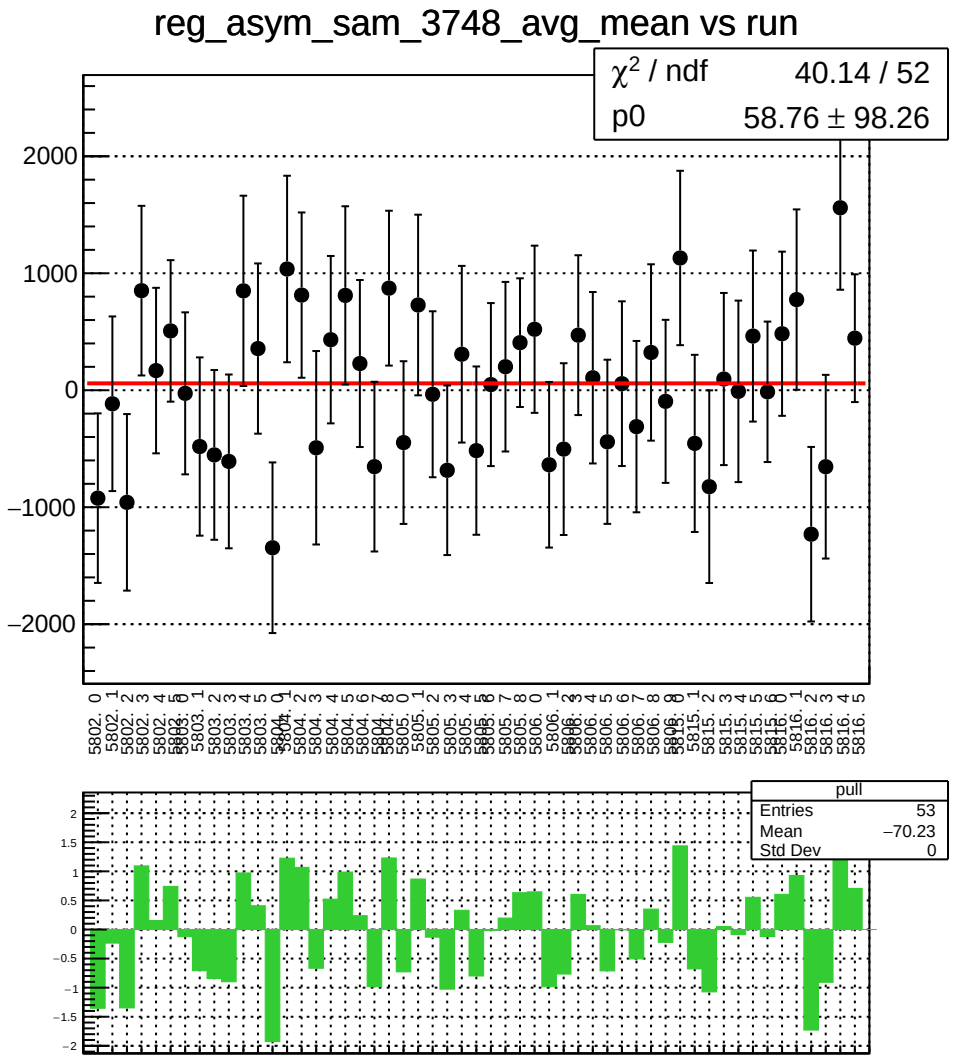

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.89 / 52
p0 −0.002846 ± 0.01788
pull
Entries 53
Mean 1.303
Std Dev 0
pull1D
Entries 53
Mean −0.05562
Std Dev 1.016

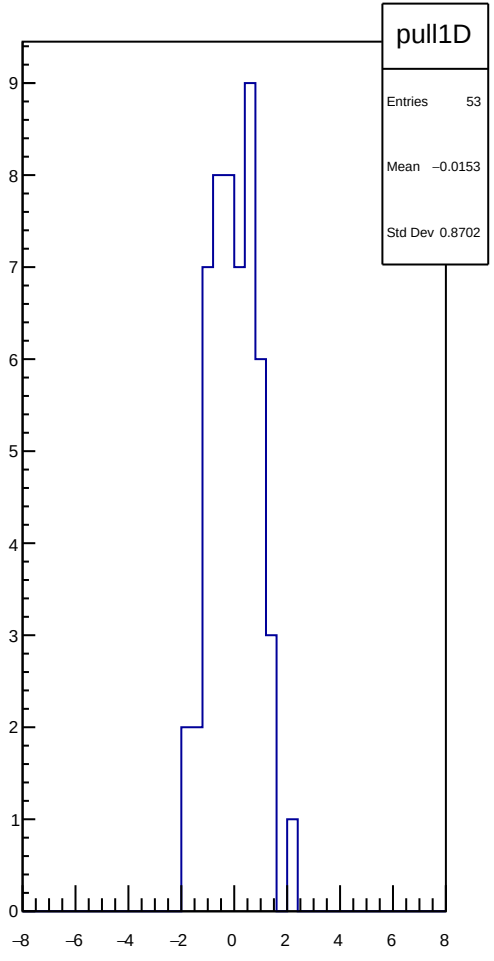

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.061e+05 / 52
p0 11.96 ± 0.01264
40
35
30
25
20
15
10
5

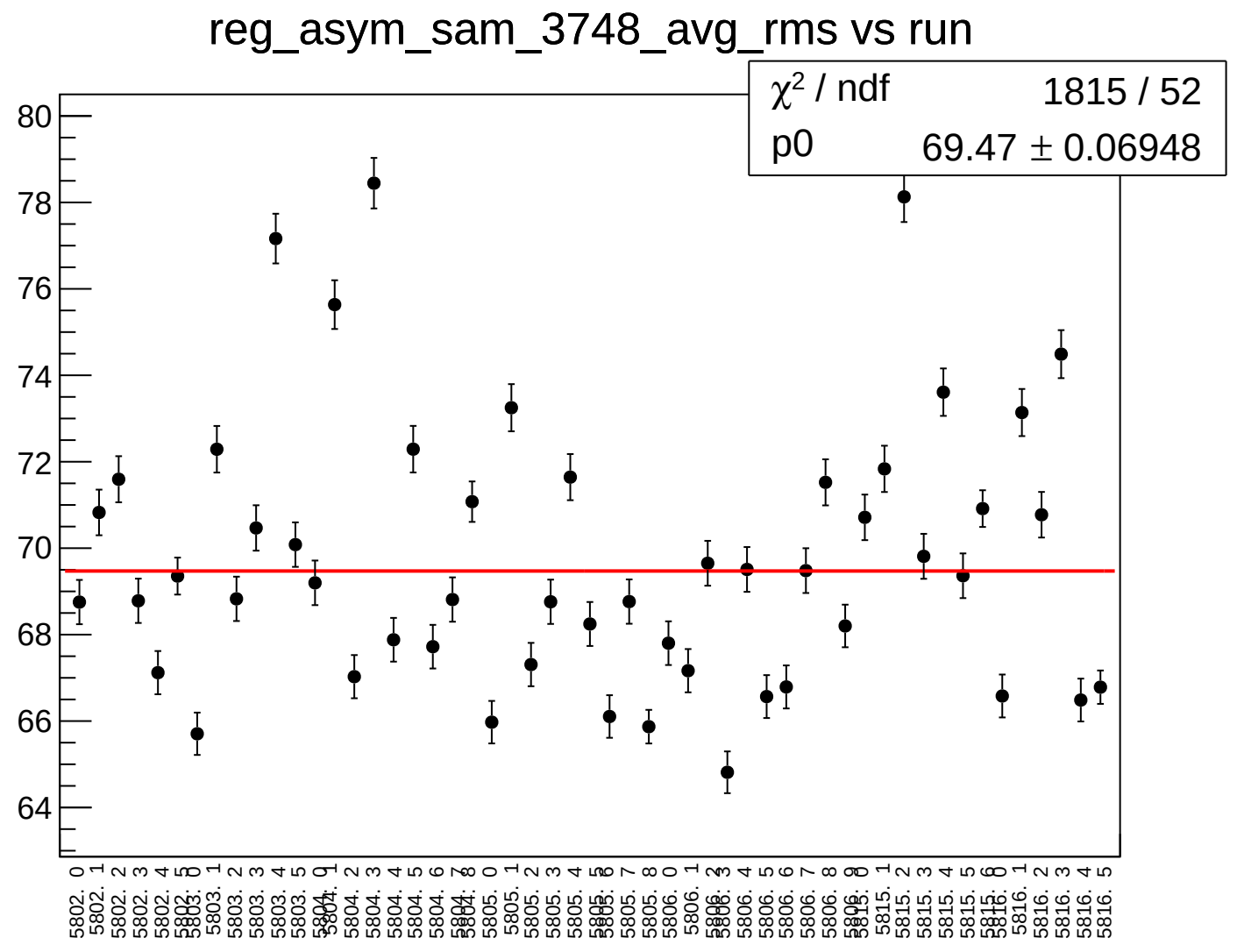

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.73 / 52
p0 −1.68e−14 ± 2.493e−14
pull
Entries 53
Mean 7.319
Std Dev 0

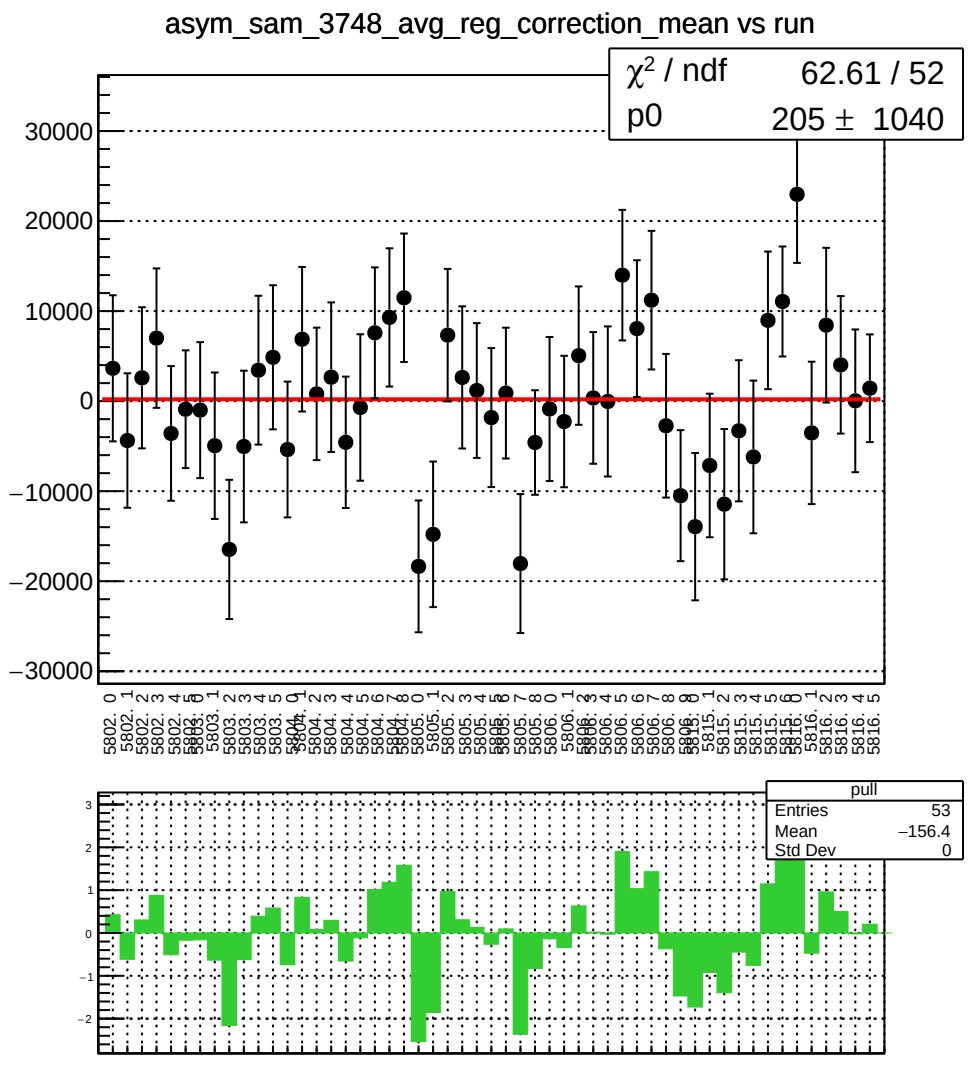

pull1D
Entries 53
Mean −0.05183
Std Dev 0.9865

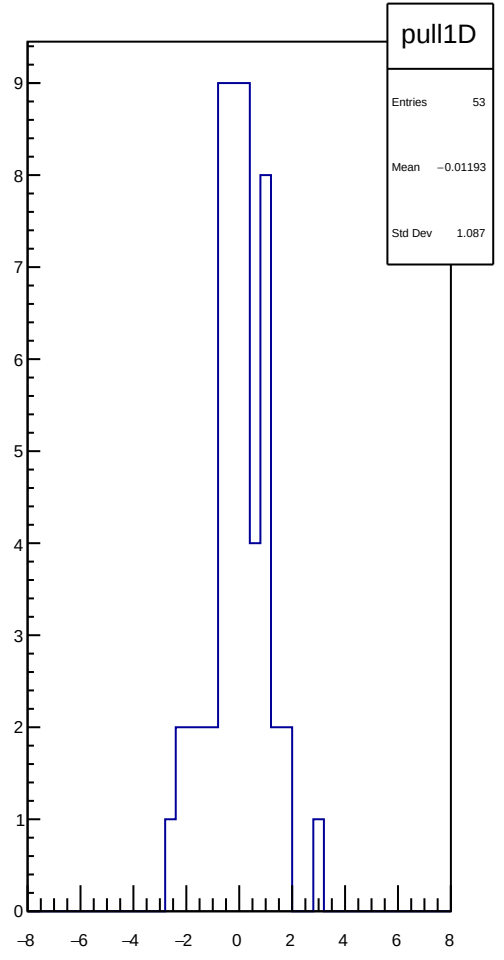

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 2.554e+05 / 52
p0 1.523e−11 ± 1.763e−14

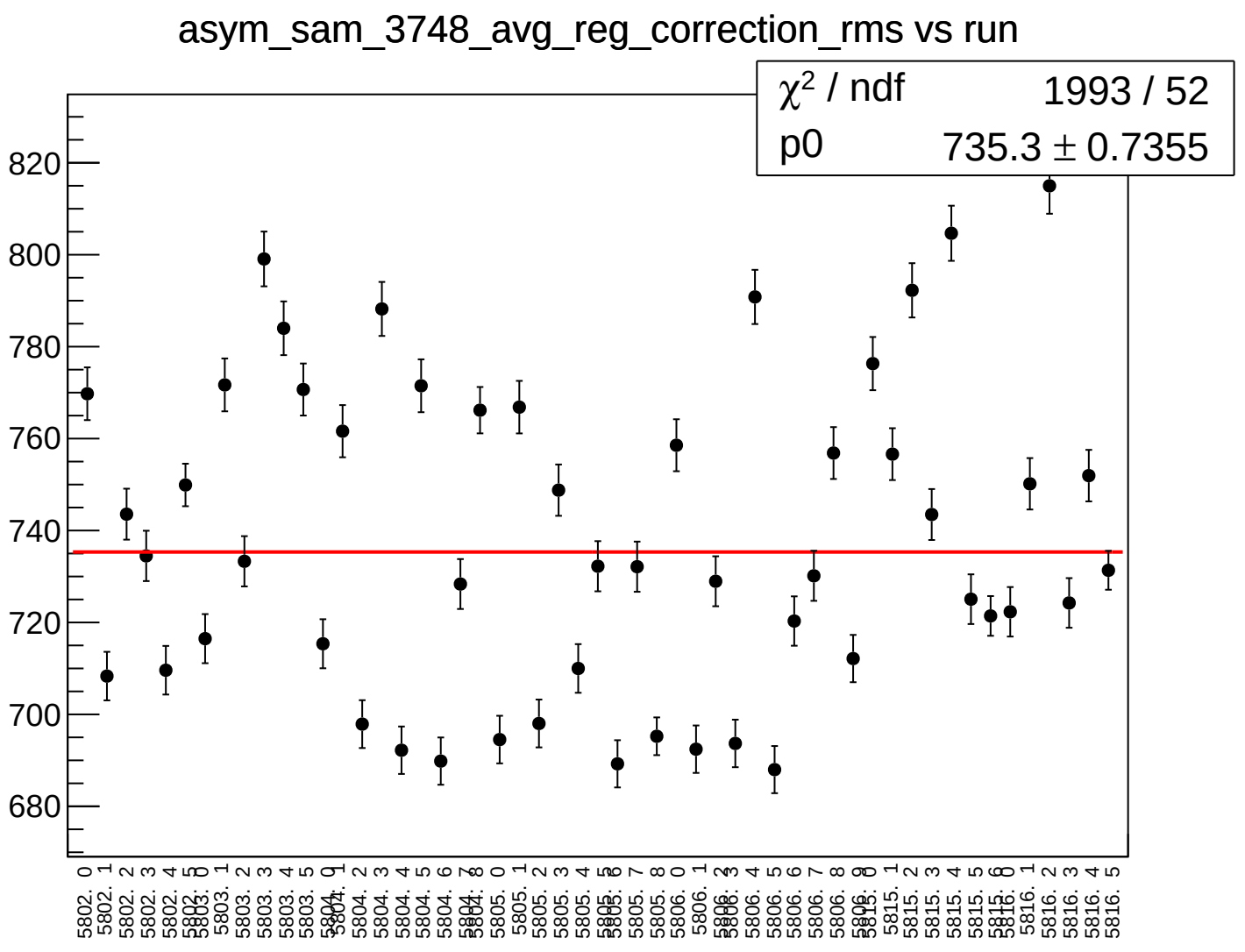

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 40.14 / 52
p0 58.76 ± 98.26
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −70.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

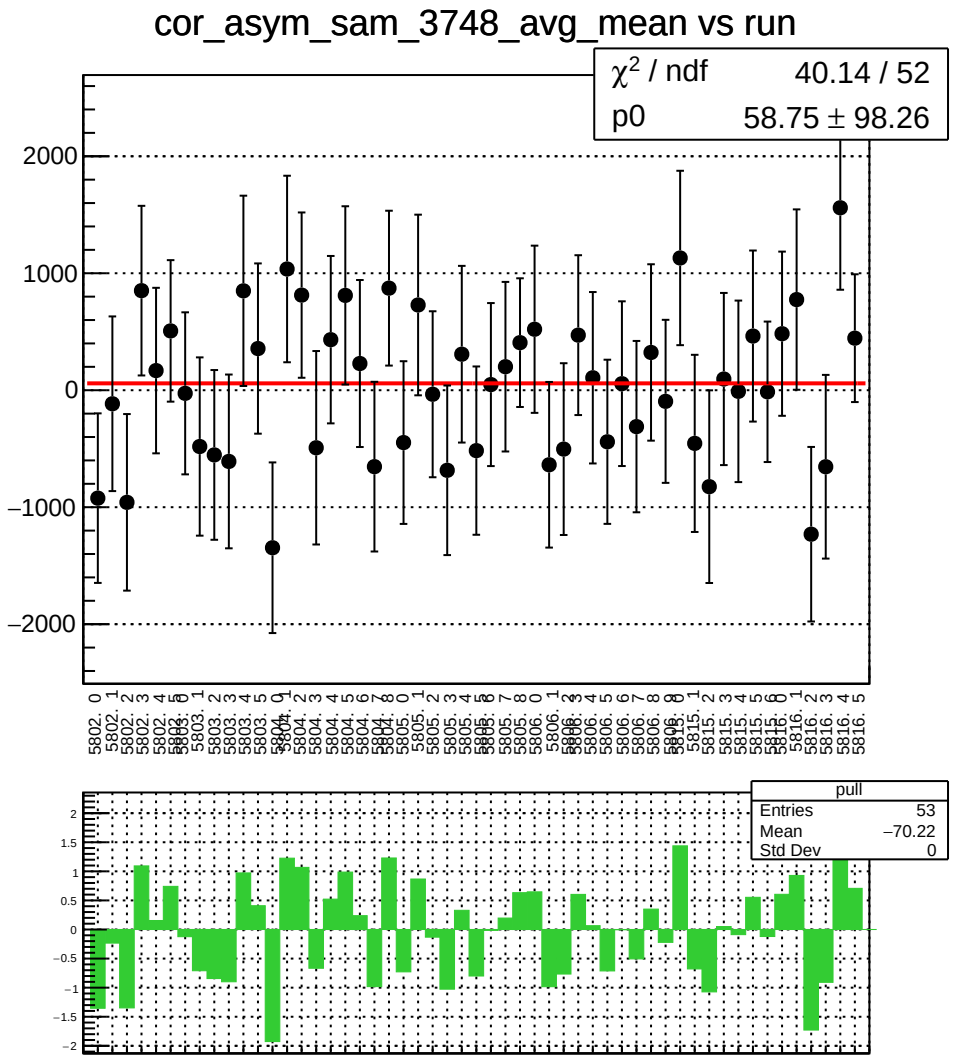

pull1D
Entries 53
Mean −0.0153
Std Dev 0.8702
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

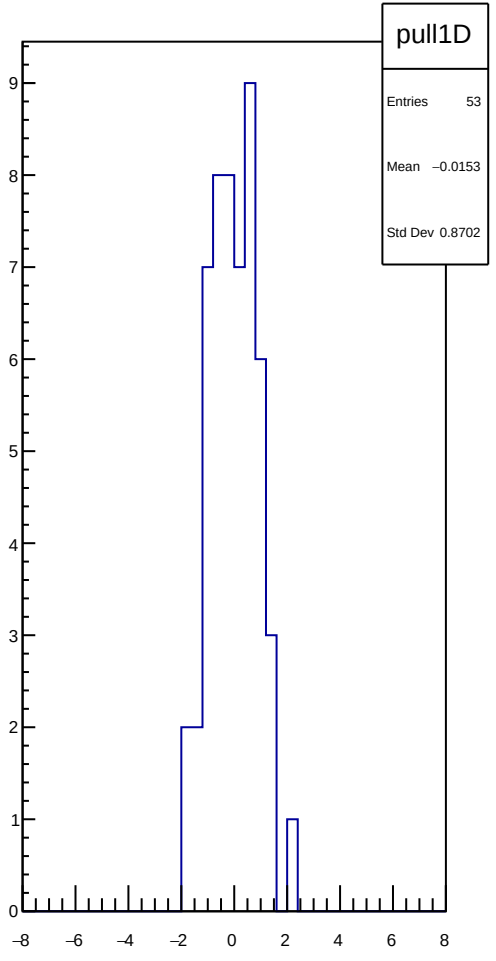

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1815 / 52
p0 69.47 ± 0.06948
80
78
76
74
72
70
68
66
64
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

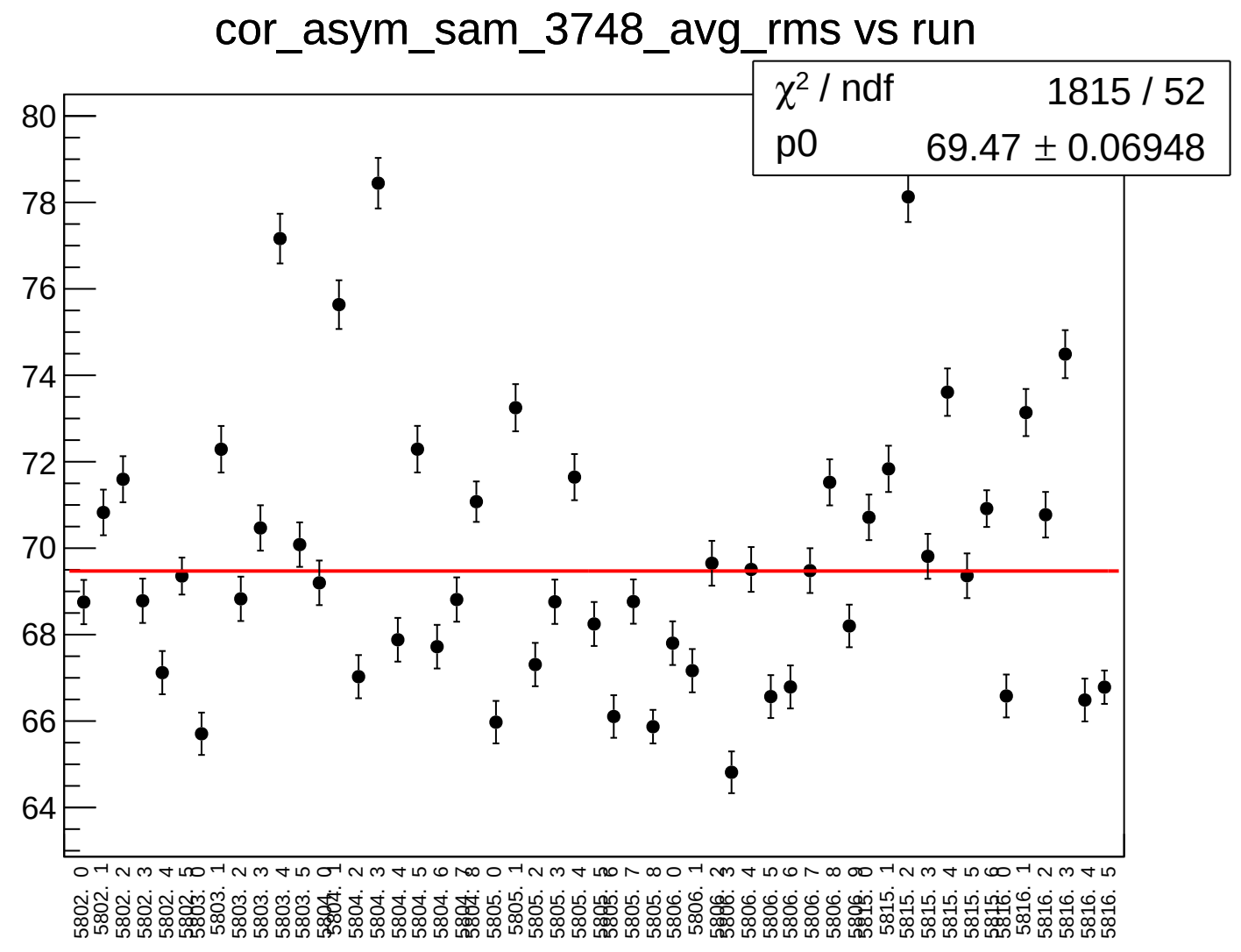

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 62.61 / 52
p0 205 ± 1040
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −156.4
Std Dev 0
3
2
1
0
−1
−2

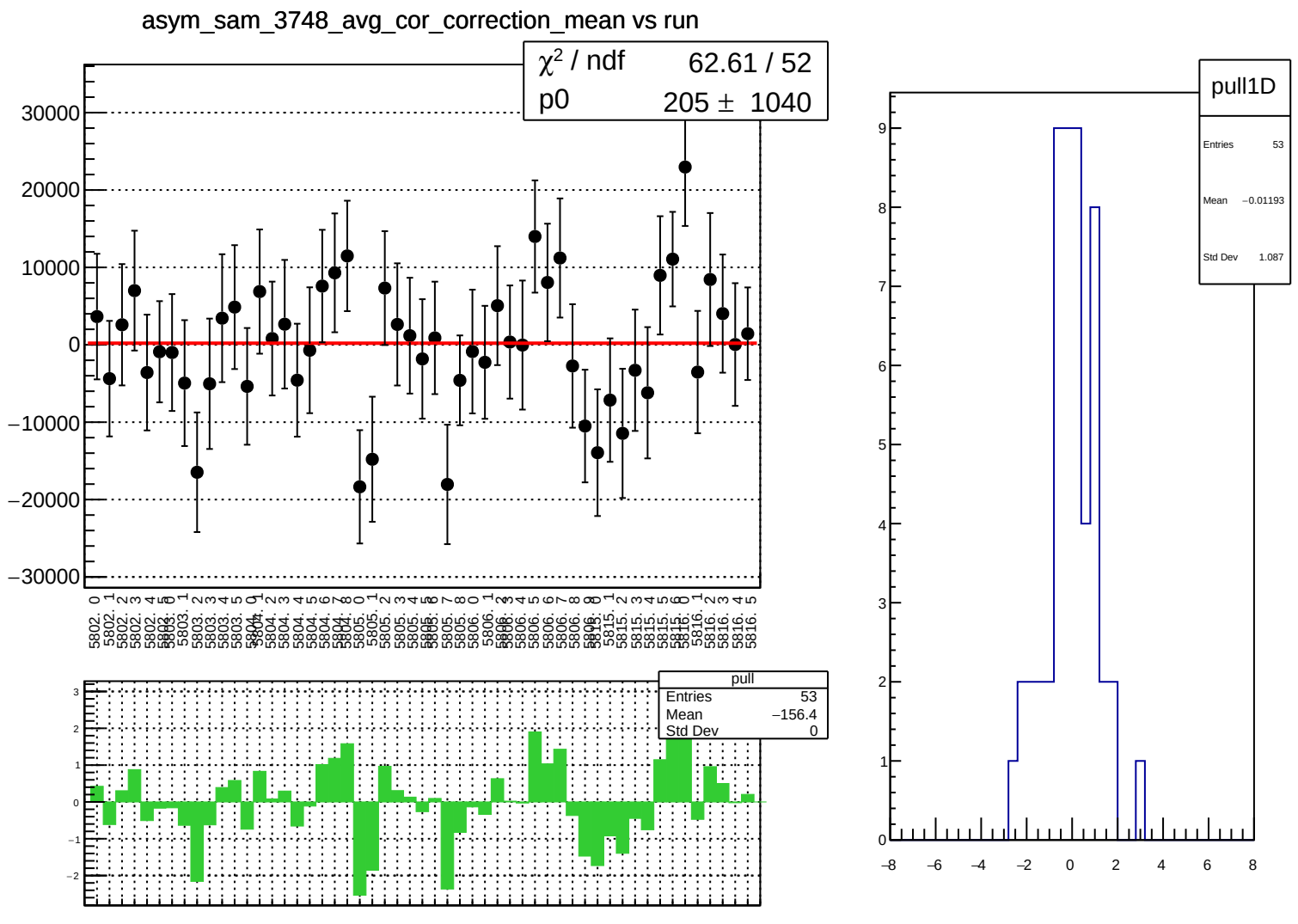

pull1D
Entries 53
Mean −0.01193
Std Dev 1.087
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

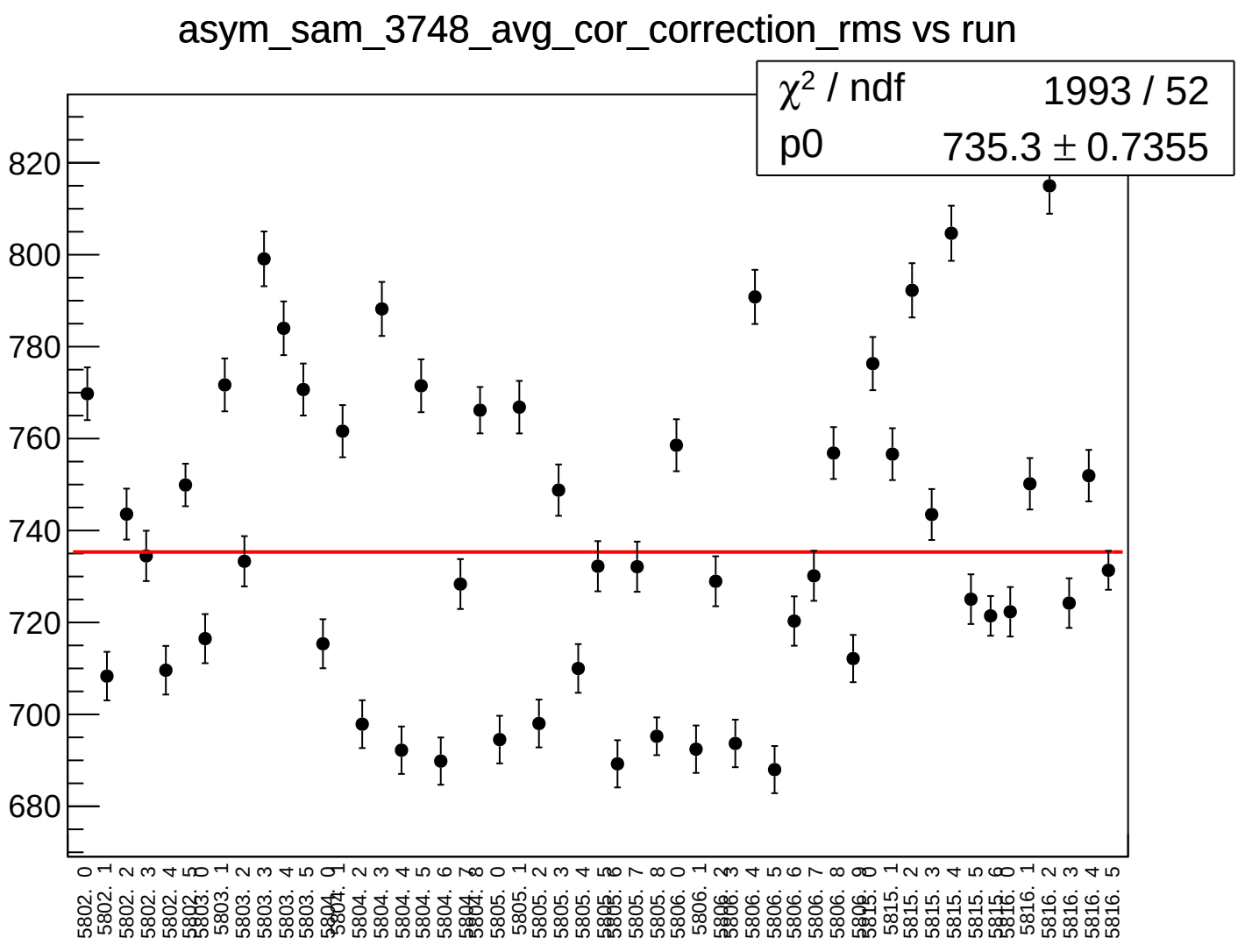

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1993 / 52
p0 735.3 ± 0.7355
820
800
780
760
740
720
700
680

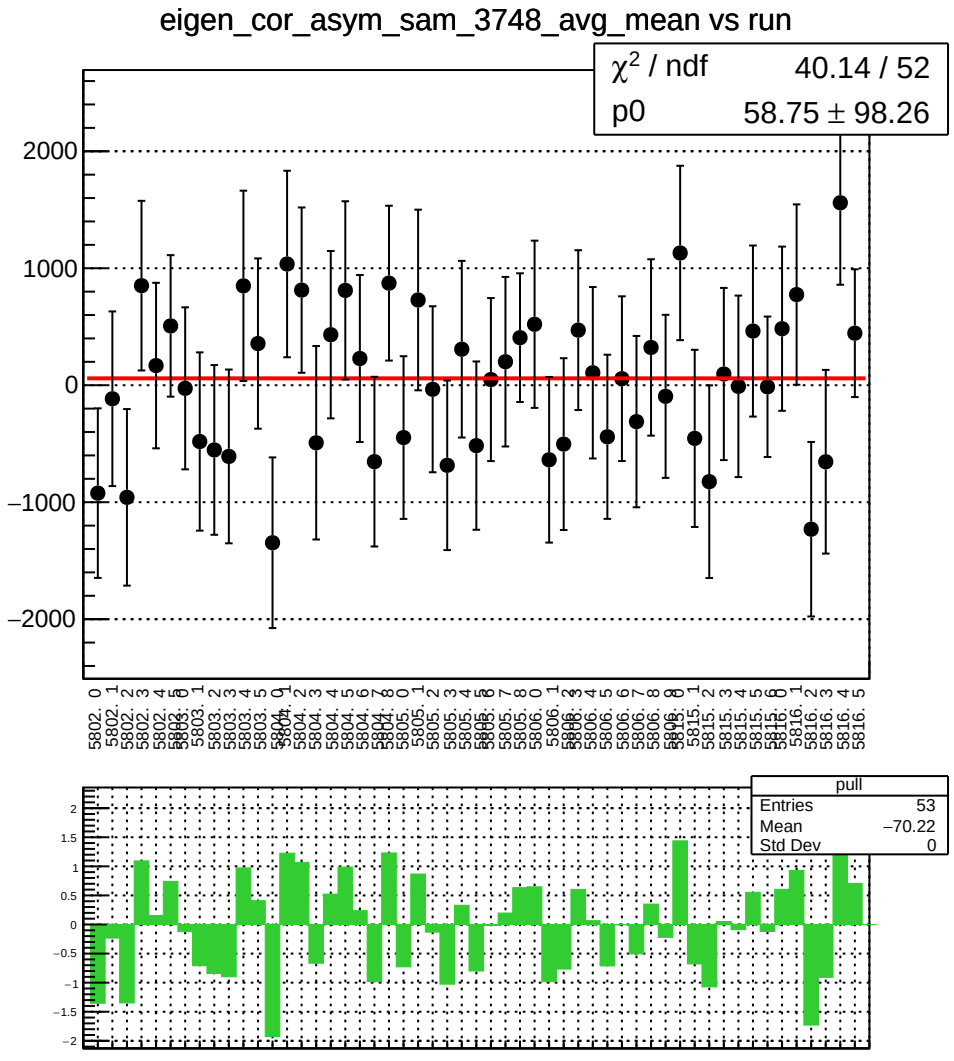

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 40.14 / 52
p0 58.75 ± 98.26
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −70.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

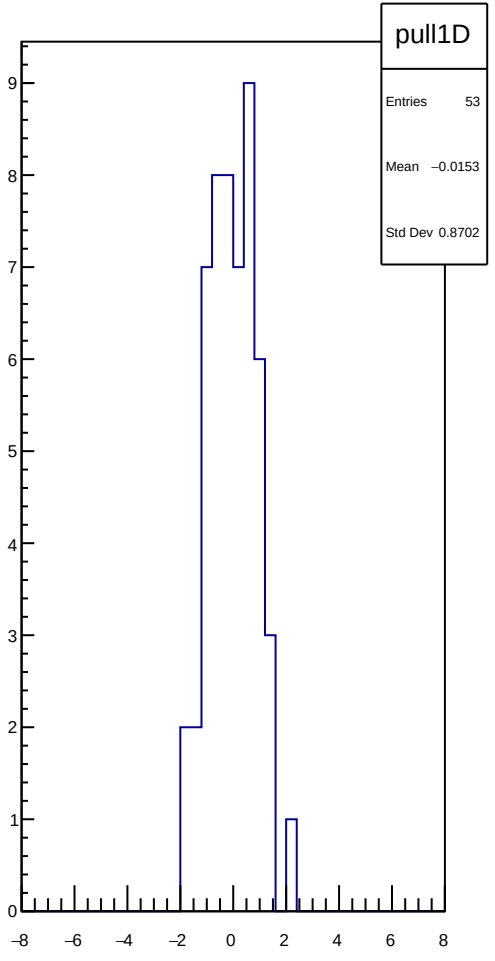

pull1D
Entries 53
Mean −0.0153
Std Dev 0.8702
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

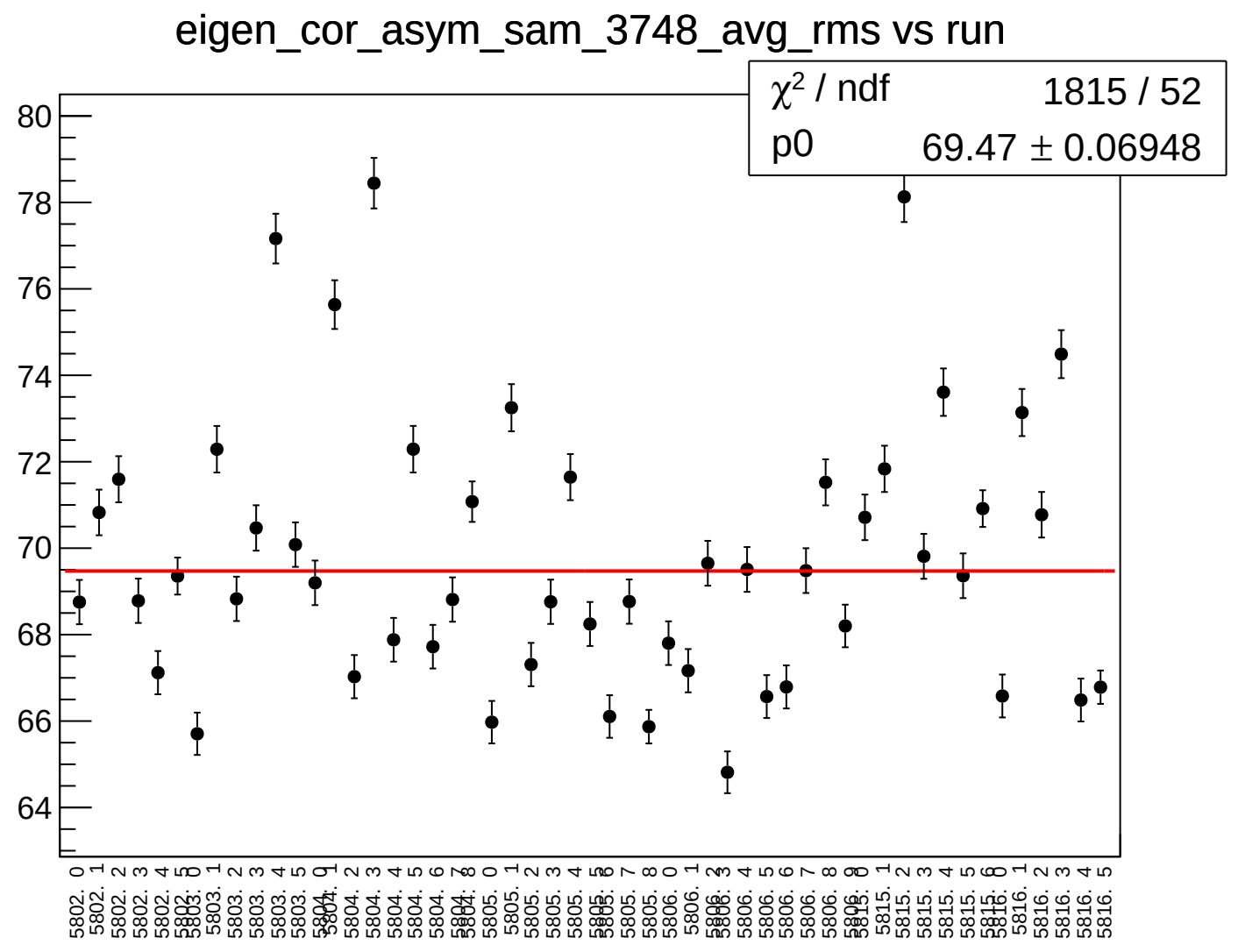

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1815 / 52
p0 69.47 ± 0.06948
80
78
76
74
72
70
68
66
64
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5803. 0
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

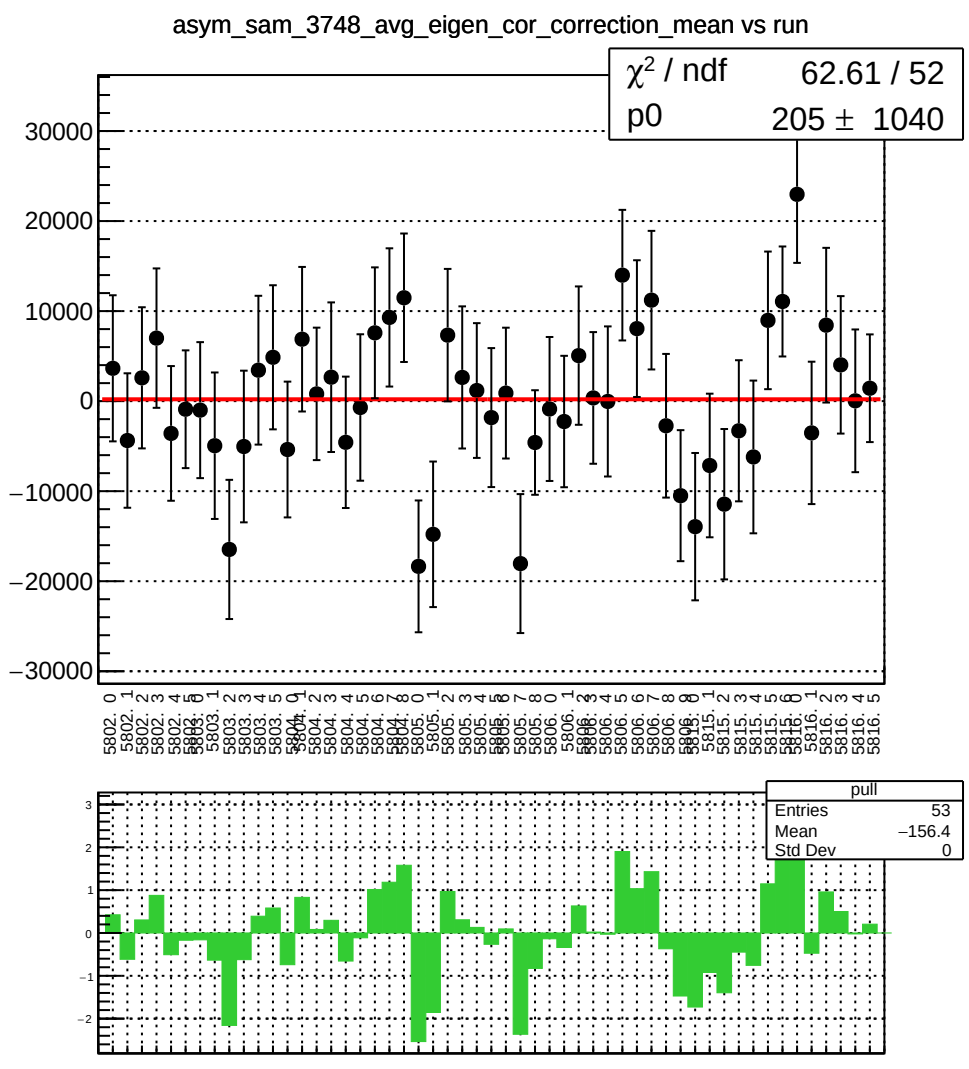

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 62.61 / 52
p0 205 ± 1040
pull
Entries 53
Mean −156.4
Std Dev 0
pull1D
Entries 53
Mean −0.01193
Std Dev 1.087

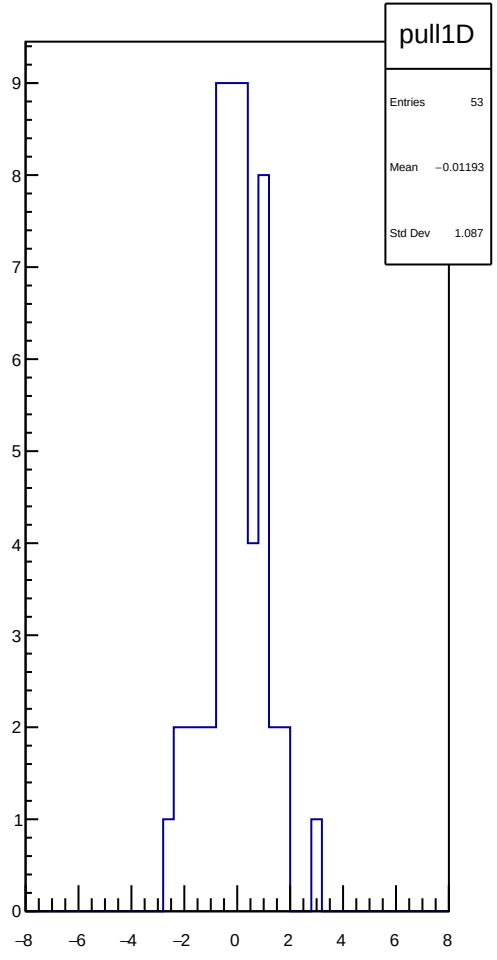

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1993 / 52
p0 735.3 ± 0.7355
820
800
780
760
740
720
700
680

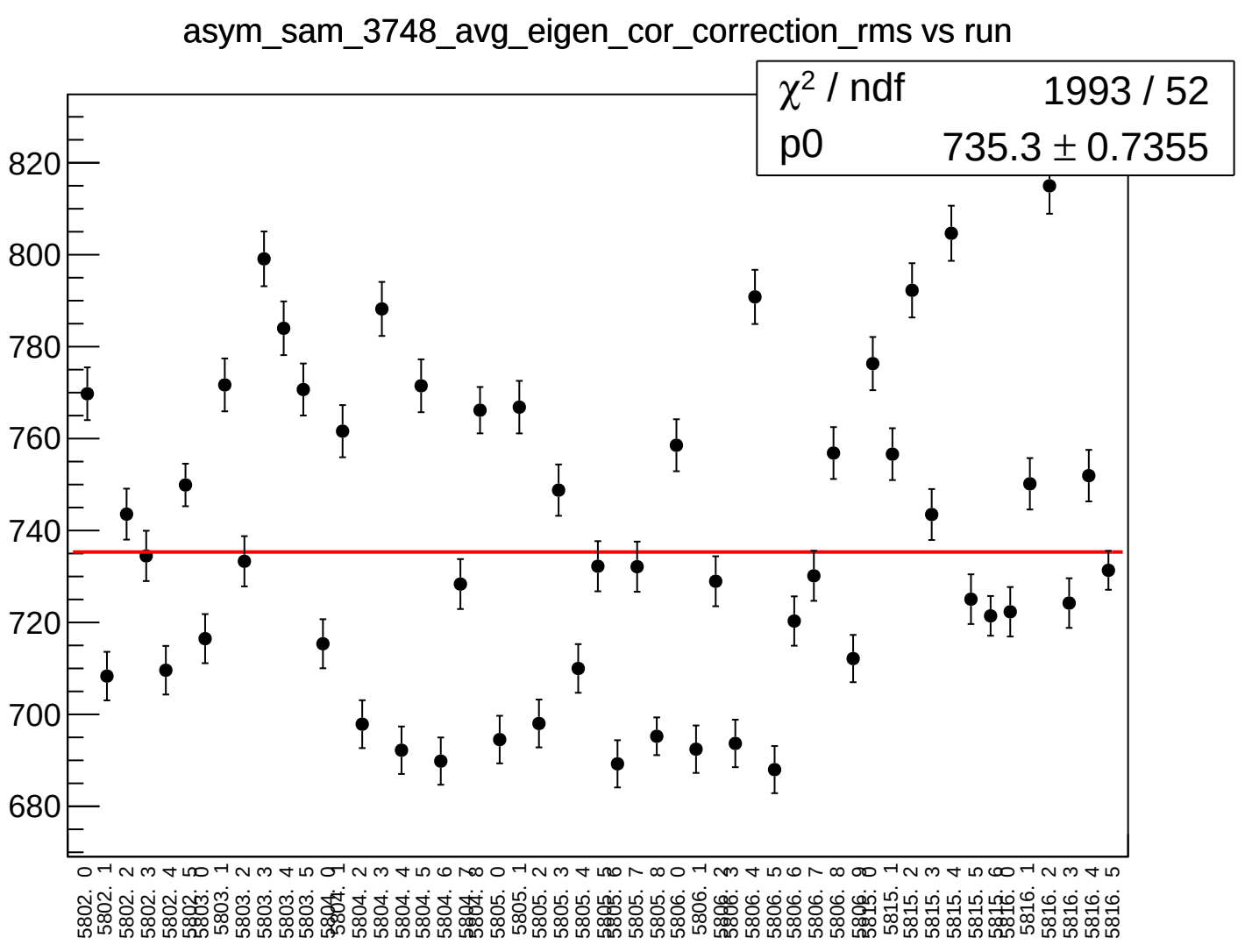

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 40.14 / 52
p0 58.75 ± 98.26
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −70.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

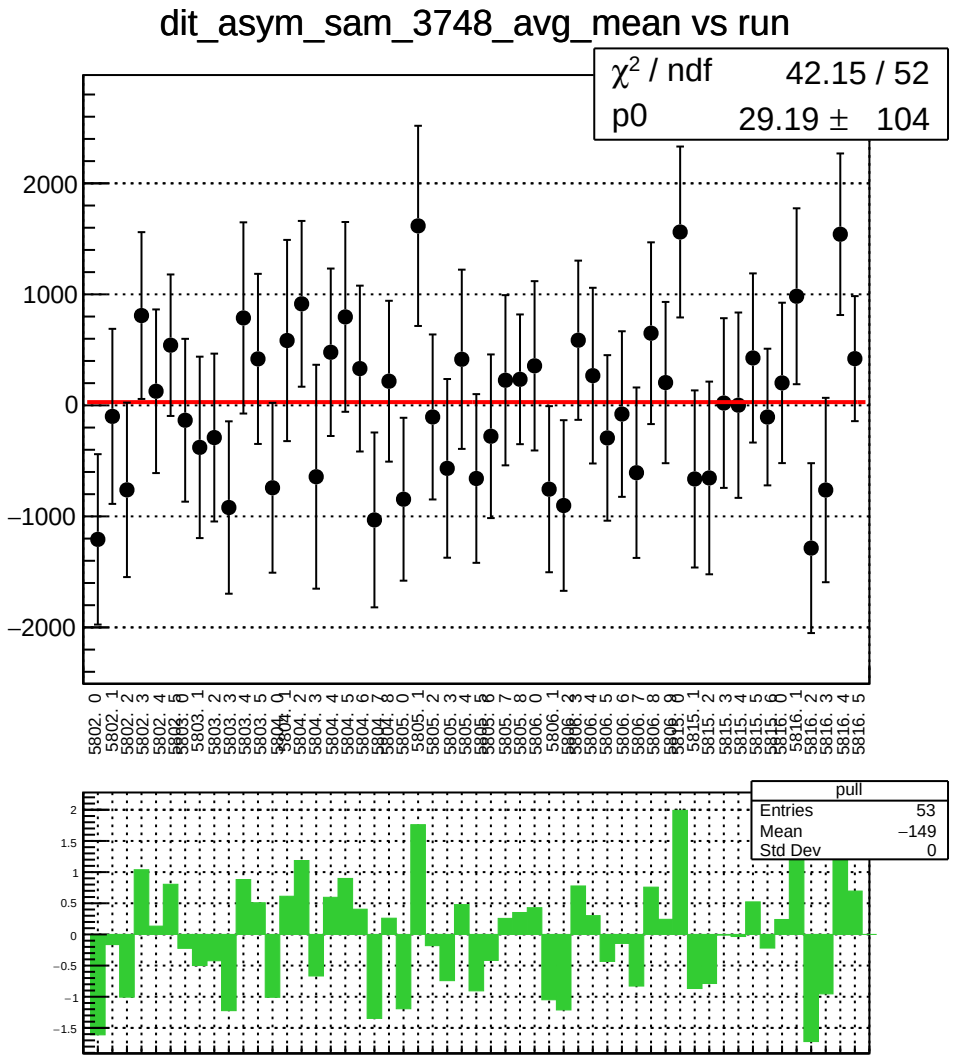

pull1D
Entries 53
Mean −0.0153
Std Dev 0.8702
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

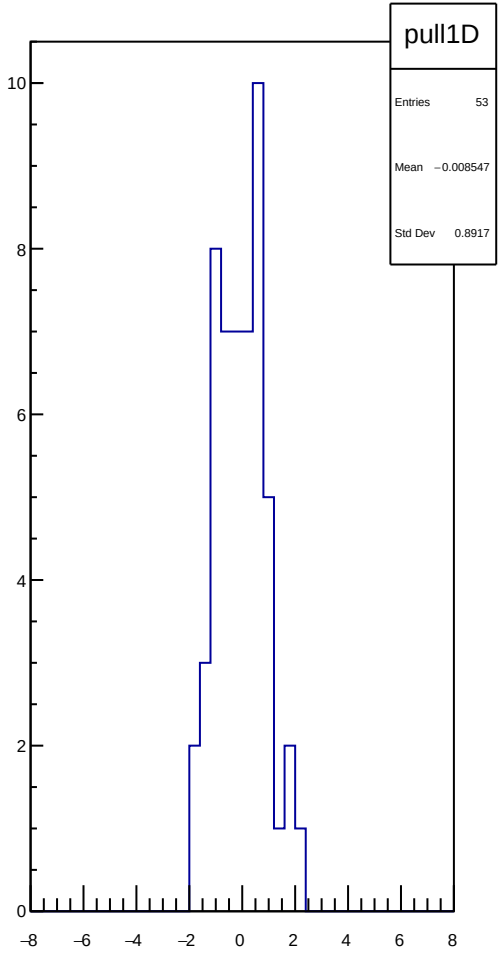

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1815 / 52
p0 69.47 ± 0.06948
80
78
76
74
72
70
68
66
64

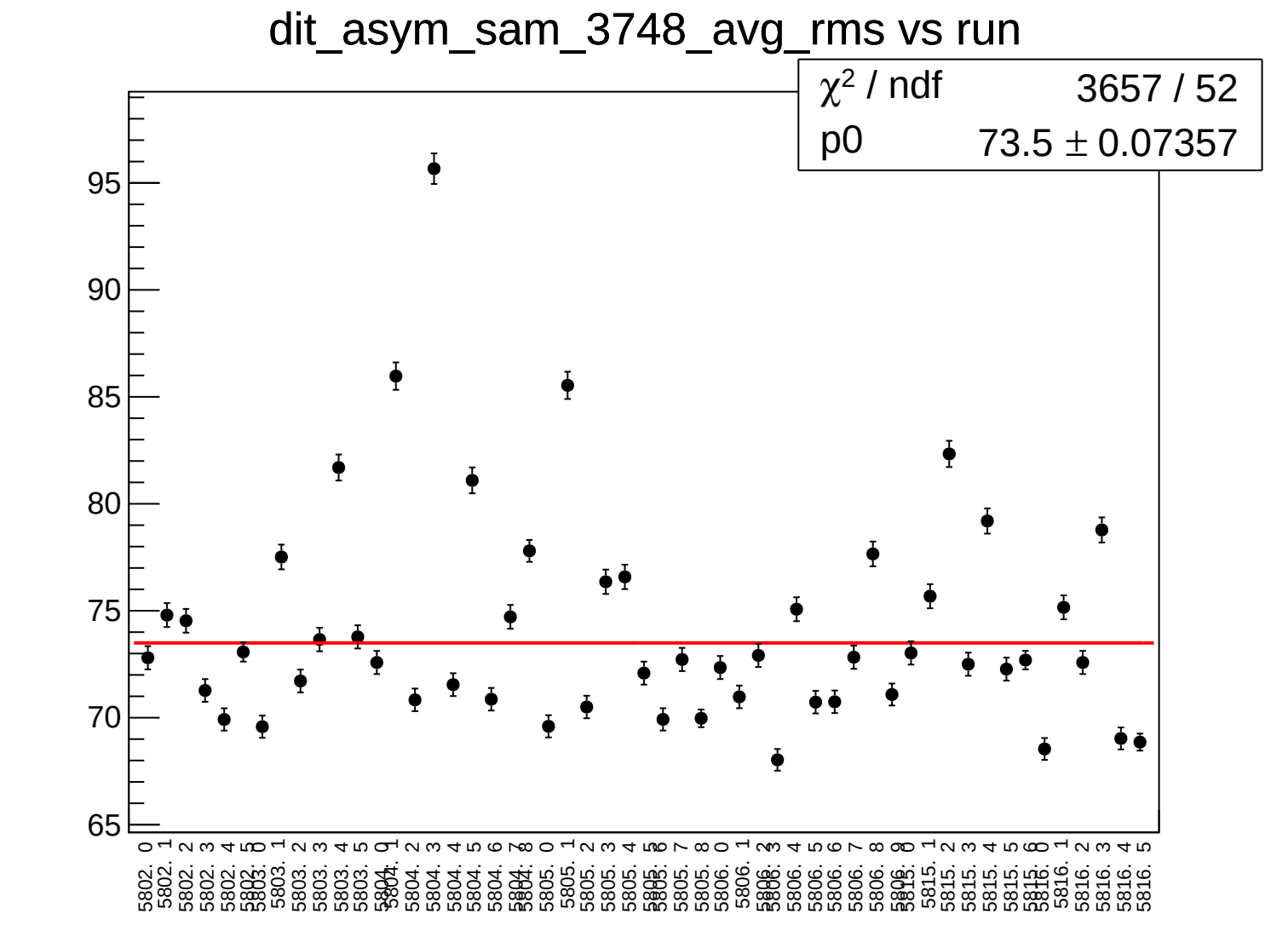

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 62.61 / 52
p0 205 ± 1040
pull
Entries 53
Mean −156.4
Std Dev 0

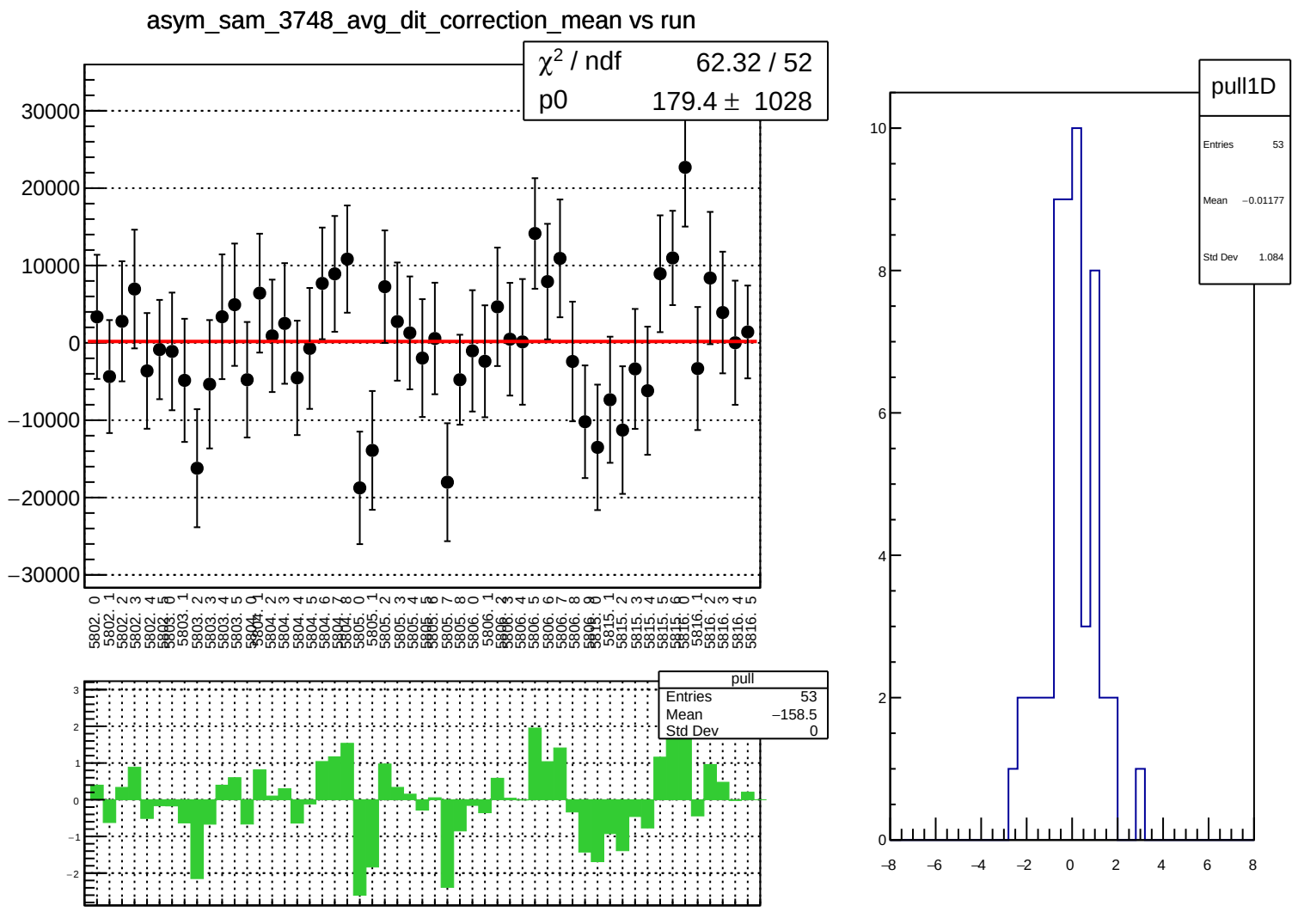

pull1D
Entries 53
Mean −0.01193
Std Dev 1.087

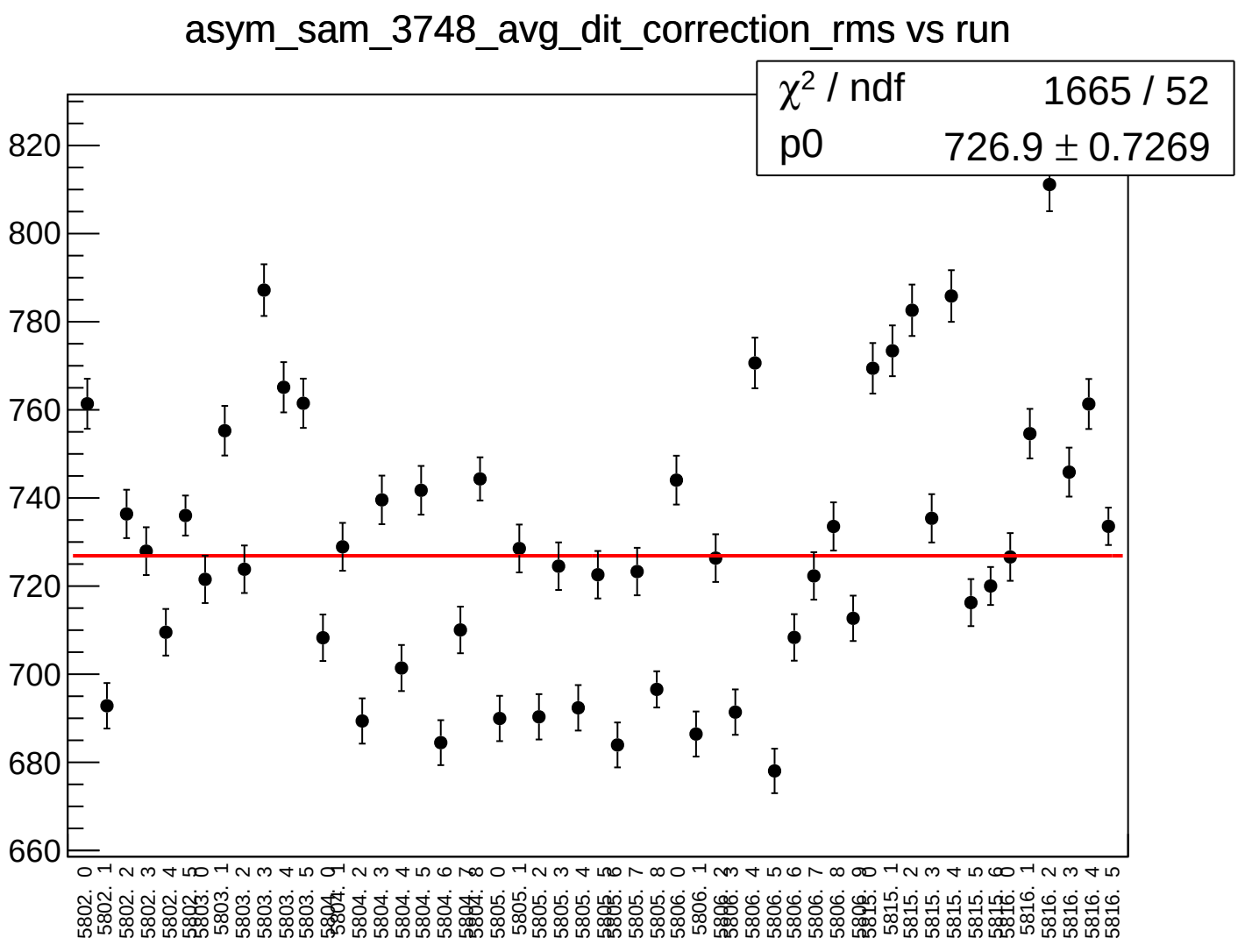

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1993 / 52
p0 735.3 ± 0.7355
820
800
780
760
740
720
700
680

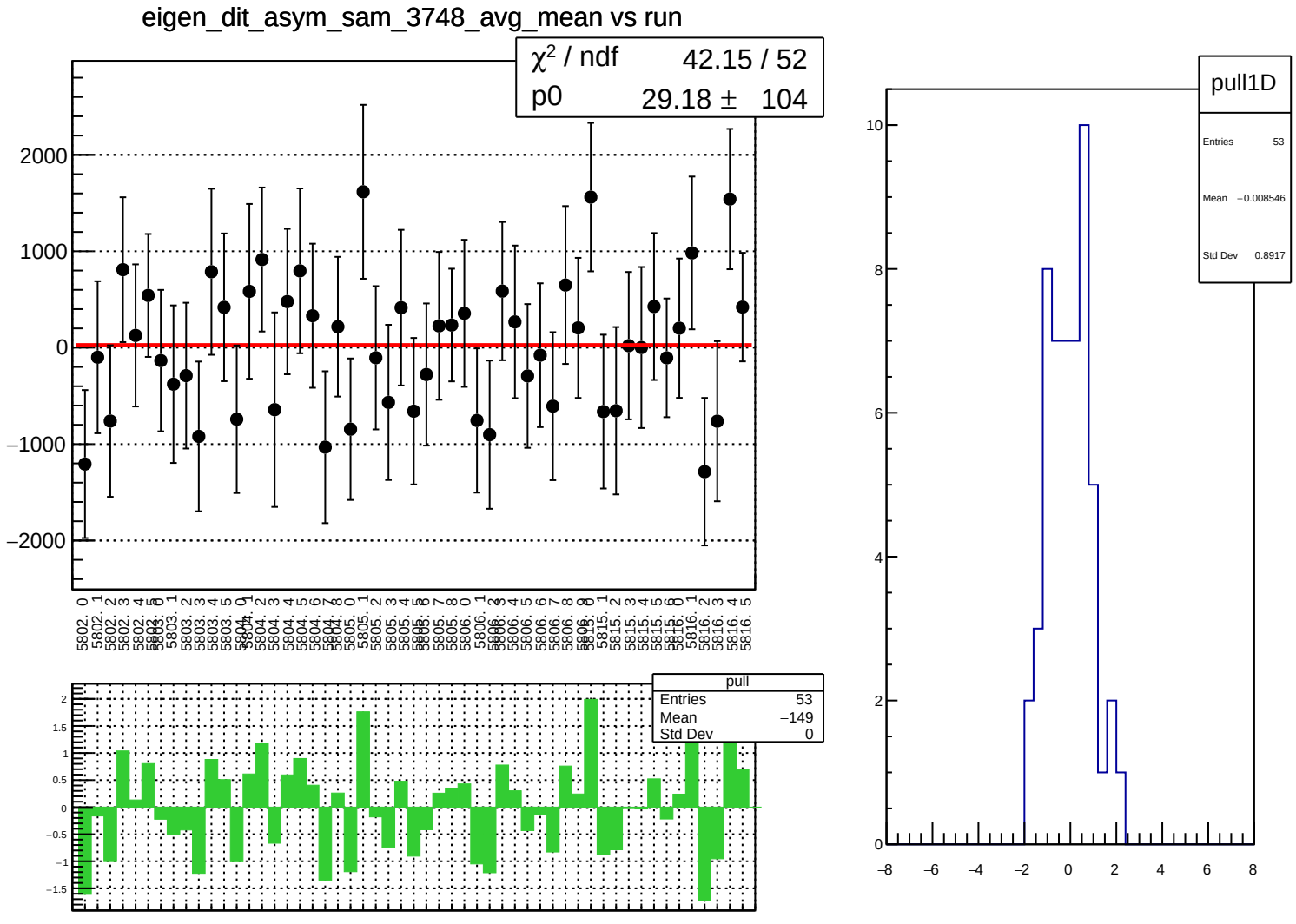

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 42.15 / 52
p0 29.19 ± 104
pull
Entries 53
Mean −149
Std Dev 0

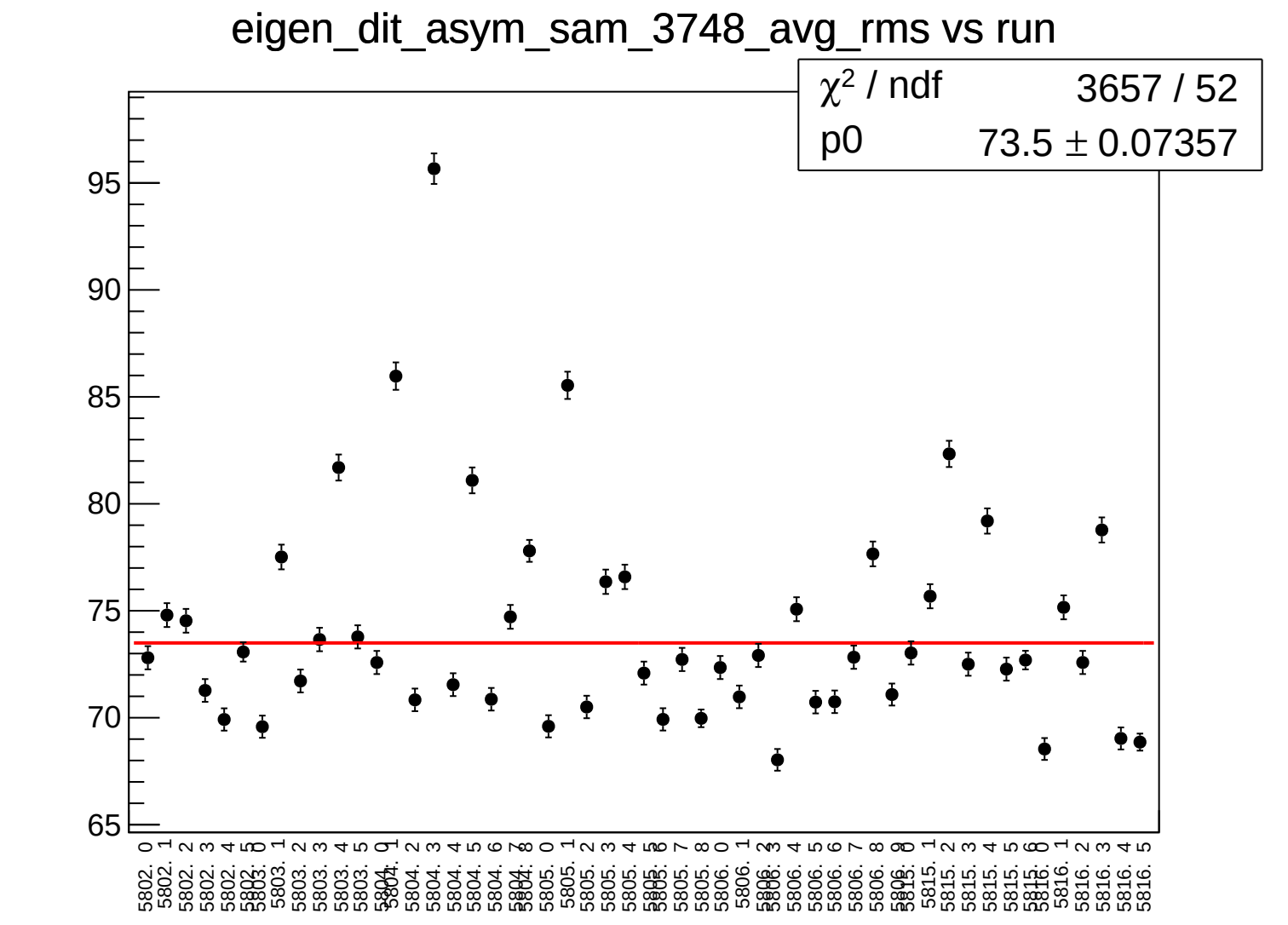

pull1D
Entries 53
Mean −0.008547
Std Dev 0.8917

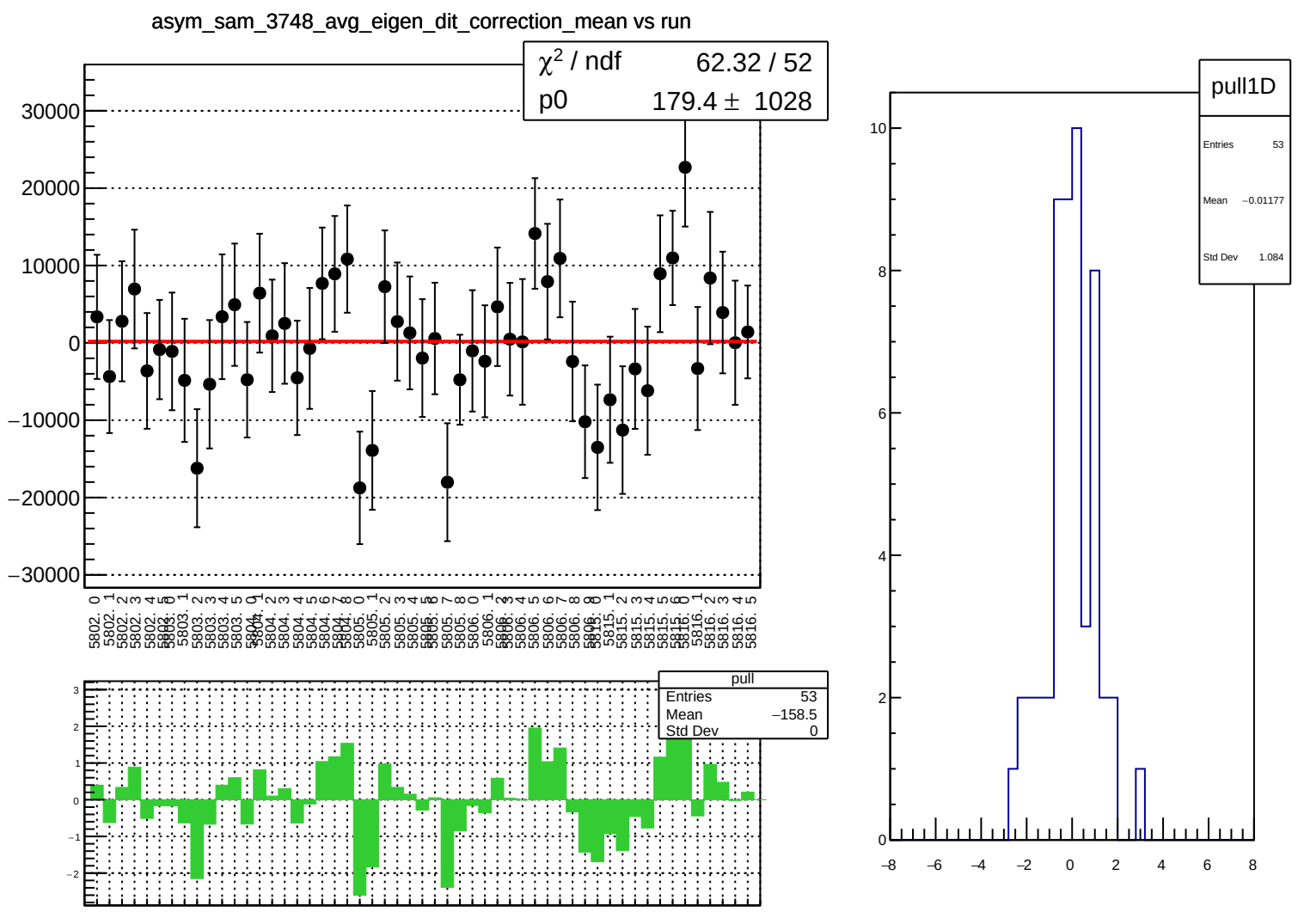

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3657 / 52
p0 73.5 ± 0.07357
95
90
85
80
75
70
65

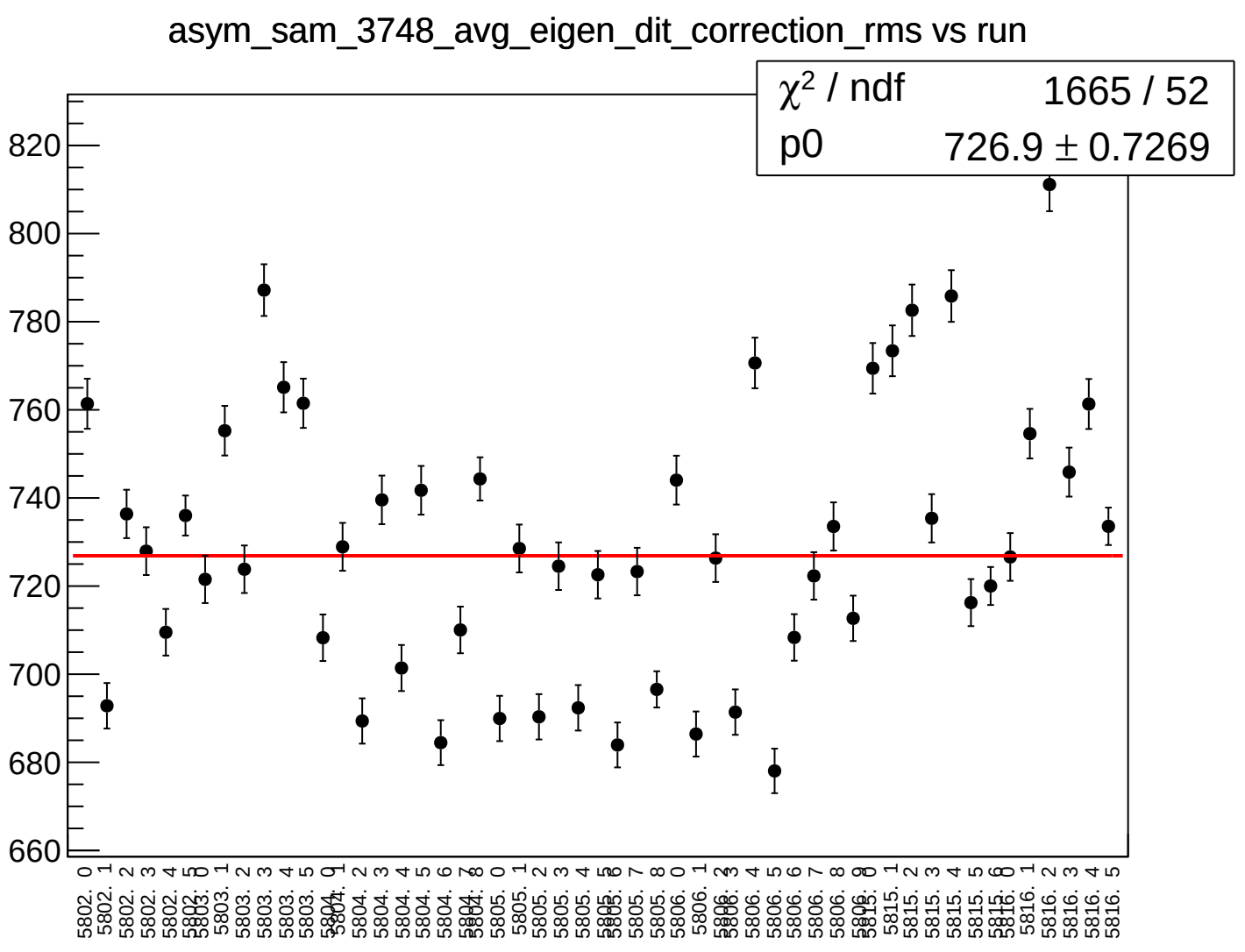

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 62.32 / 52
p0 179.4 ± 1028
pull
Entries 53
Mean −158.5
Std Dev 0
pull1D
Entries 53
Mean −0.01177
Std Dev 1.084

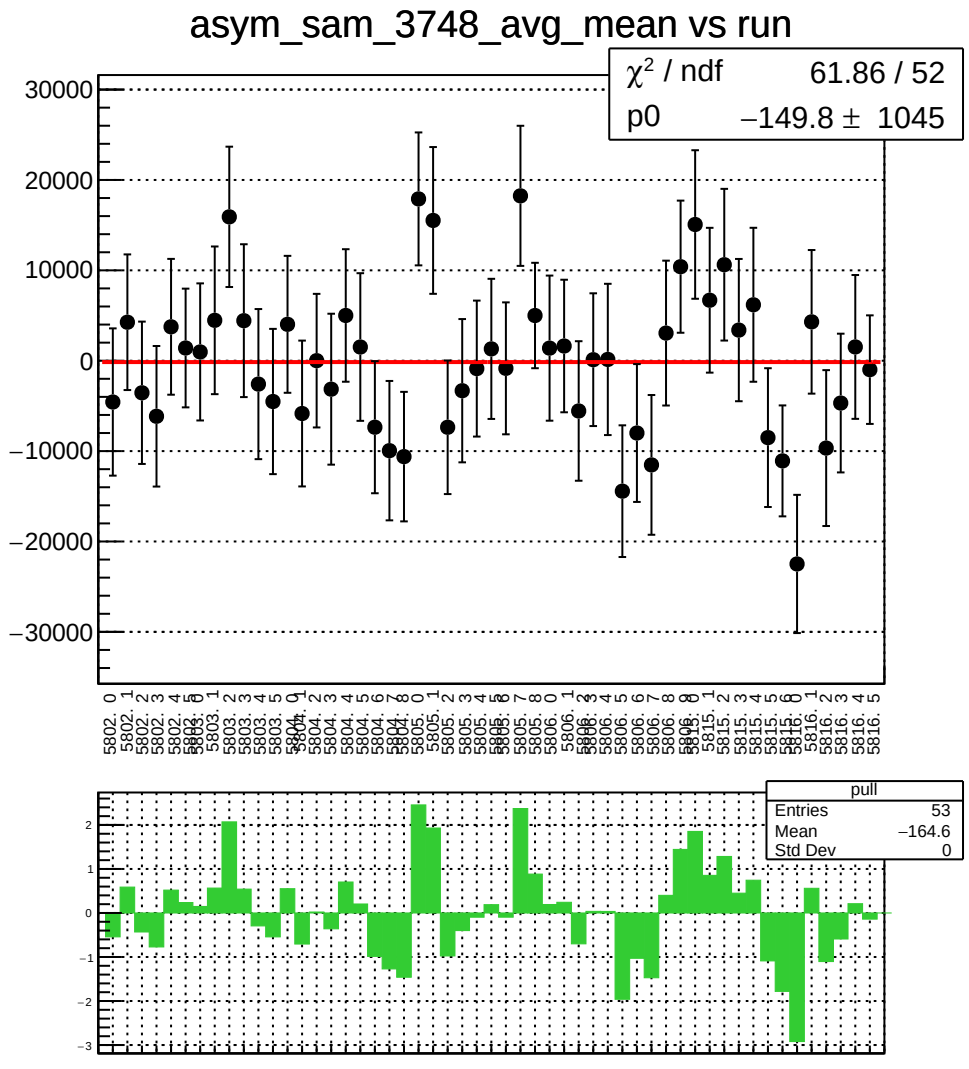

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1665 / 52
p0 726.9 ± 0.7269
820
800
780
760
740
720
700
680
660

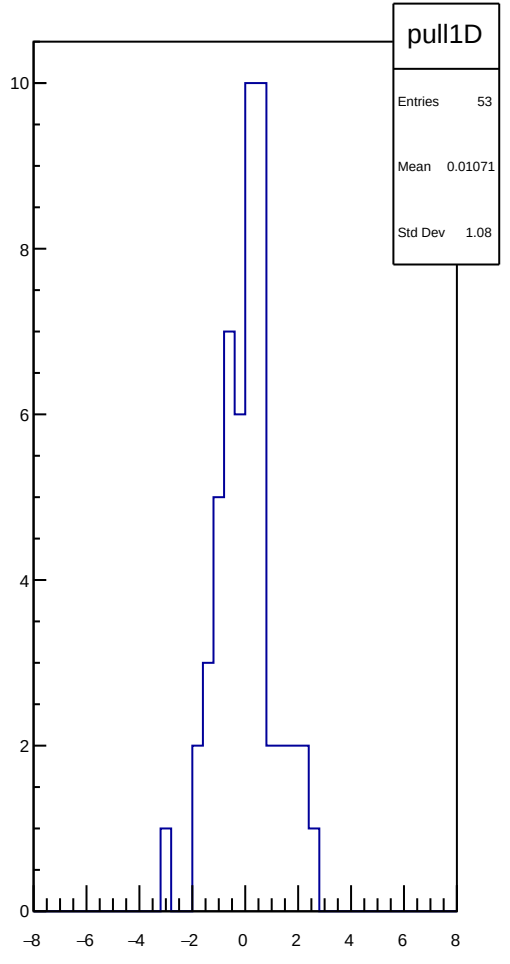

eigen_dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 42.15 / 52
p0 29.18 ± 104
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −149
Std Dev 0
pull1D
Entries 53
Mean −0.008546
Std Dev 0.8917

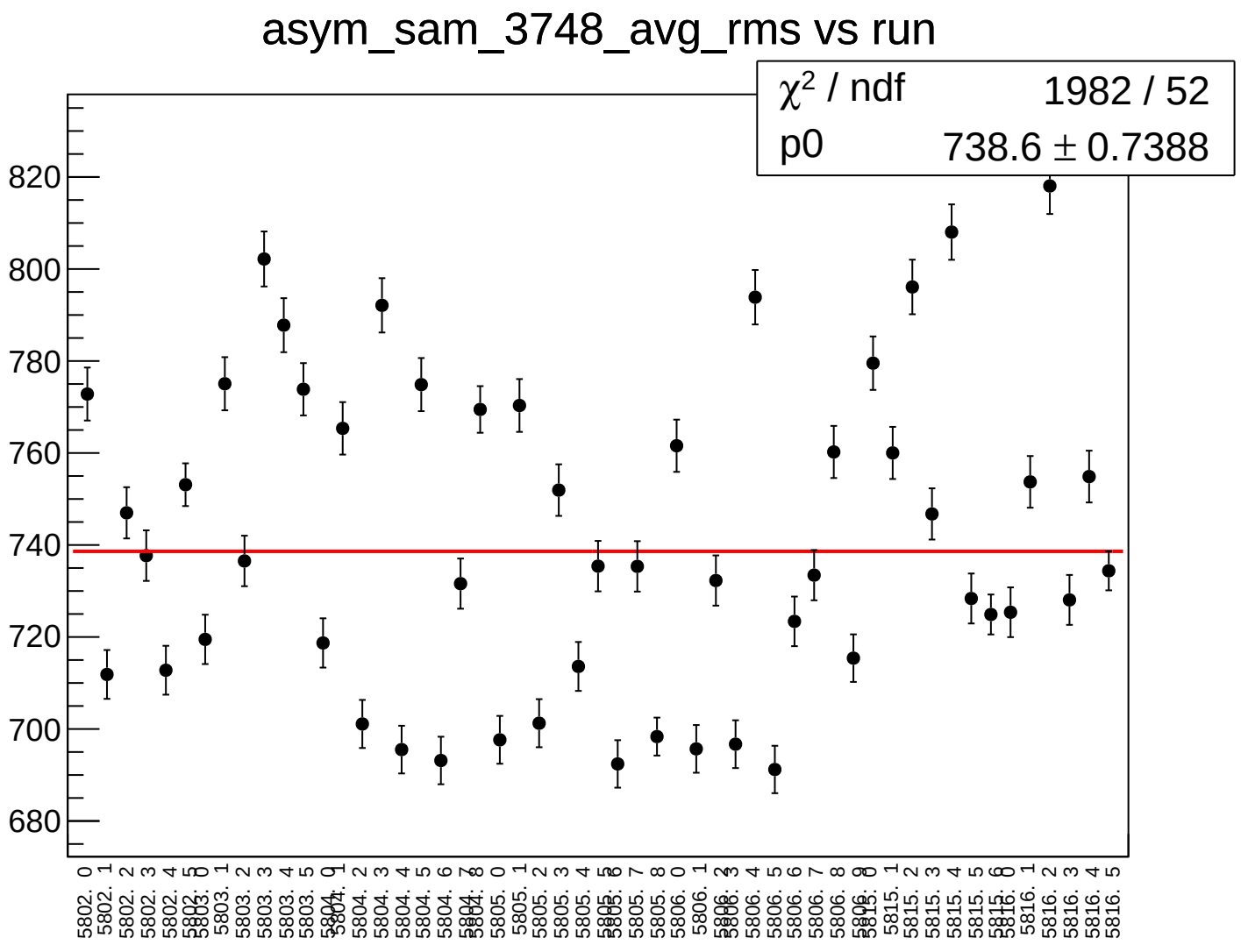

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3657 / 52
p0 73.5 ± 0.07357
95
90
85
80
75
70
65

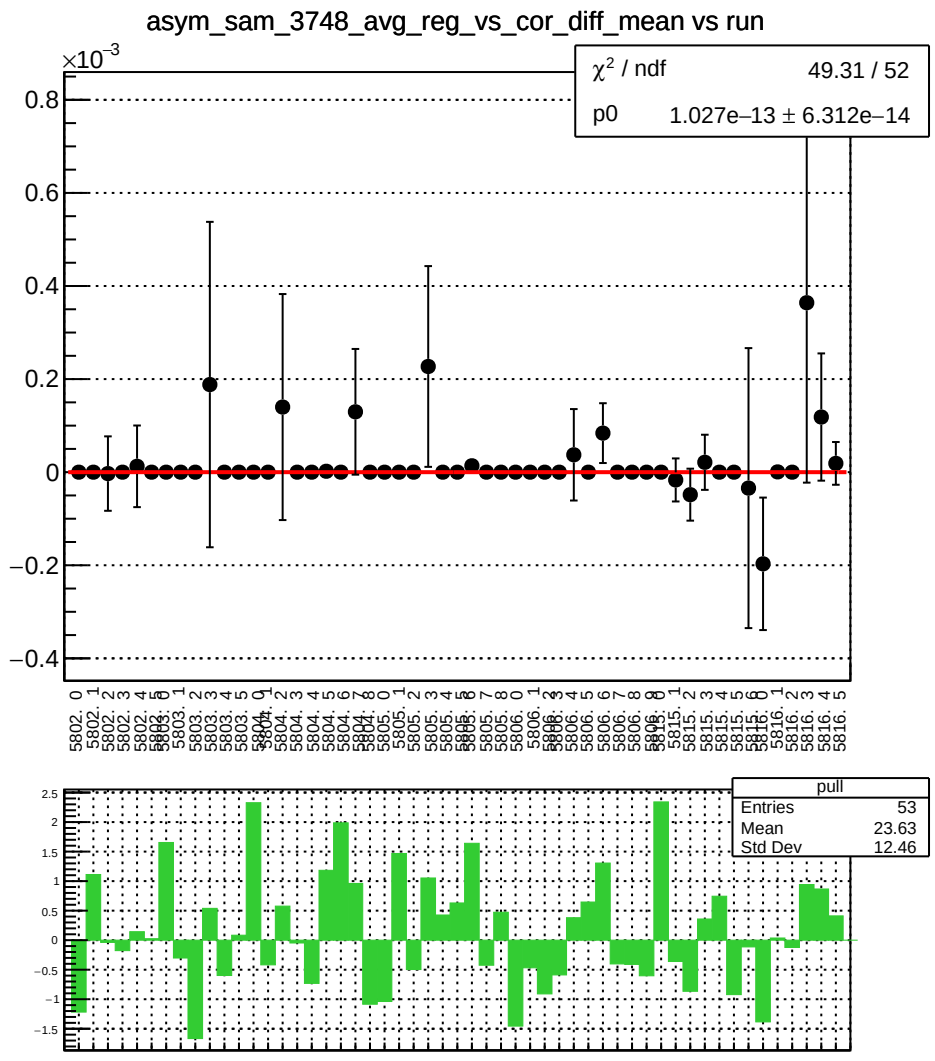

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 62.32 / 52
p0 179.4 ± 1028
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −158.5
Std Dev 0
pull1D
Entries 53
Mean −0.01177
Std Dev 1.084

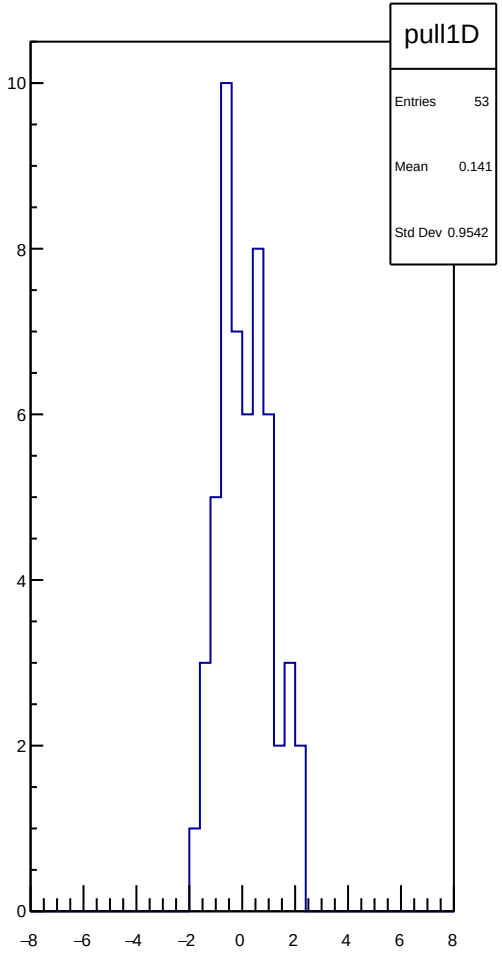

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1665 / 52
p0 726.9 ± 0.7269
820
800
780
760
740
720
700
680
660

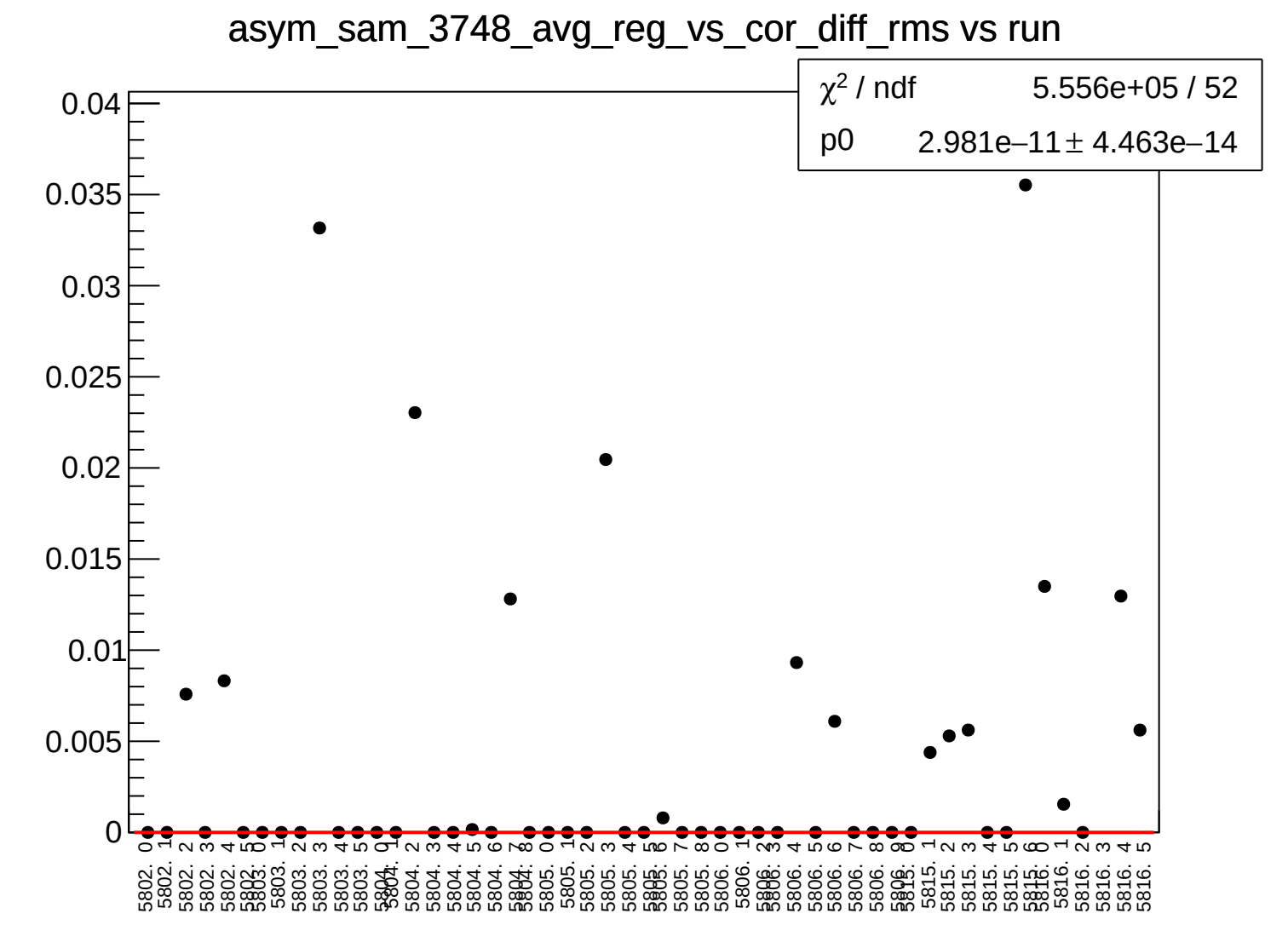

asym_sam_3748_avg_mean vs run
χ² / ndf 61.86 / 52
p0 −149.8 ± 1045
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −164.6
Std Dev 0
2
1
0
−1
−2
−3

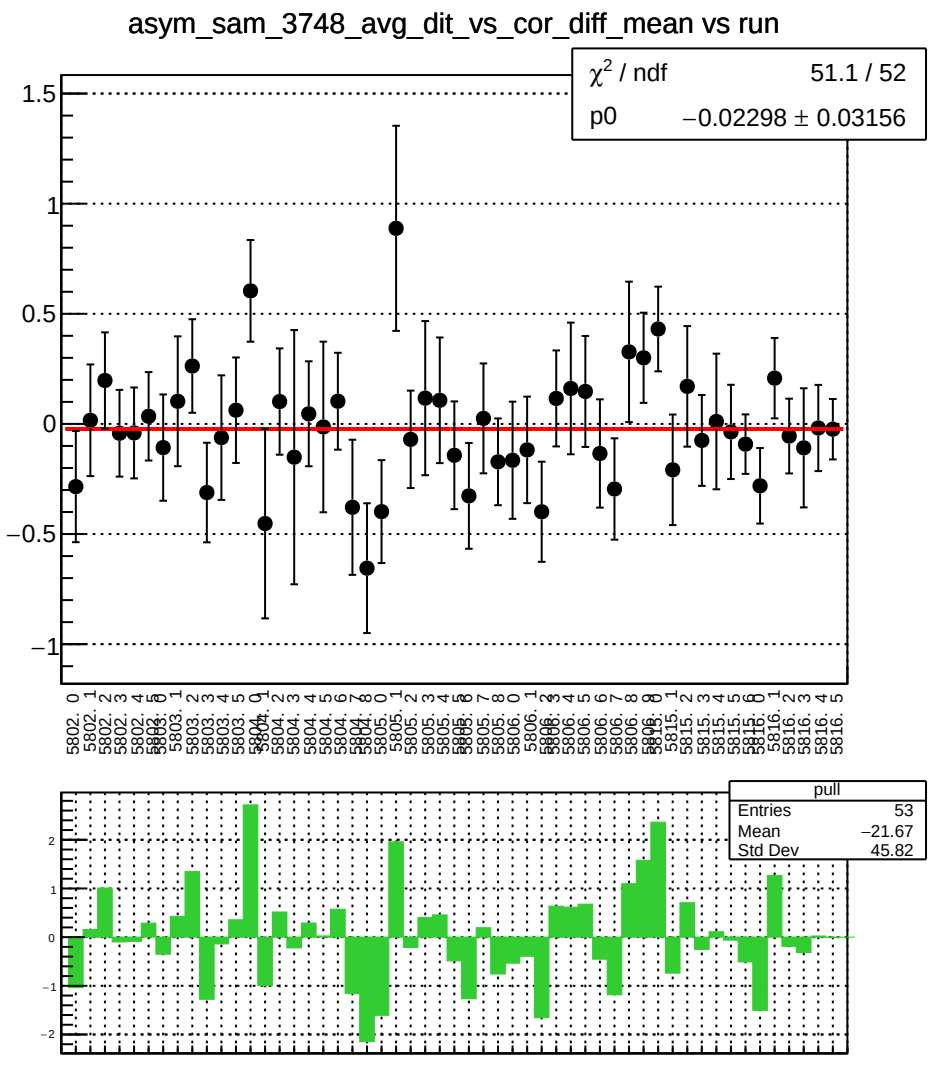

pull1D
Entries 53
Mean 0.01071
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

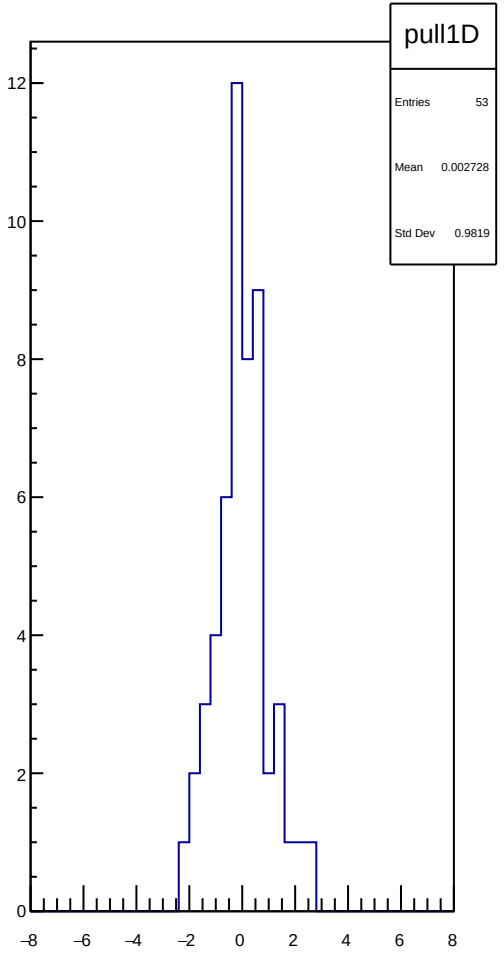

asym_sam_3748_avg_rms vs run
χ² / ndf 1982 / 52
p0 738.6 ± 0.7388
820
800
780
760
740
720
700
680

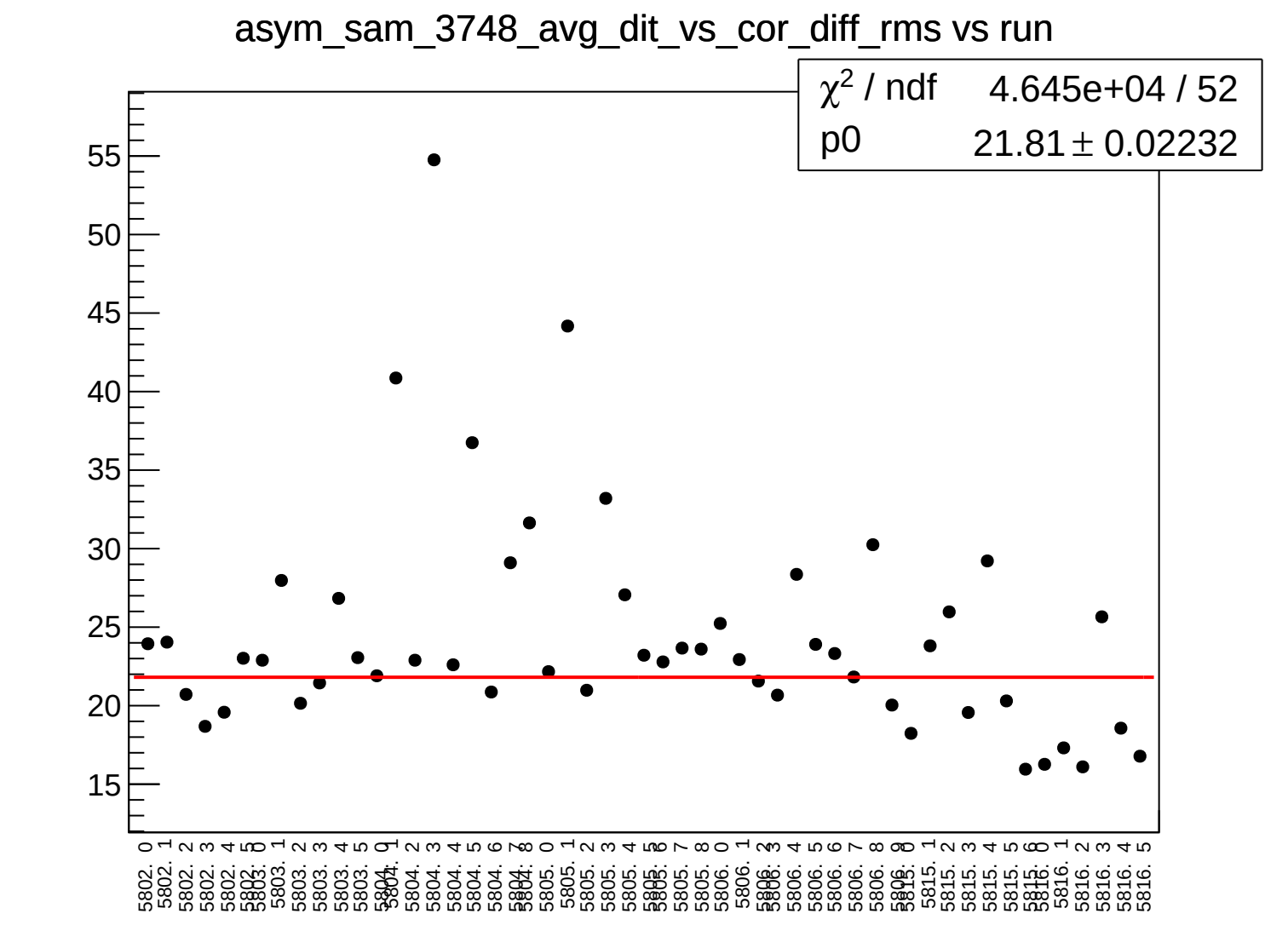

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.31 / 52
p0 1.027e−13 ± 6.312e−14
pull
Entries 53
Mean 23.63
Std Dev 12.46

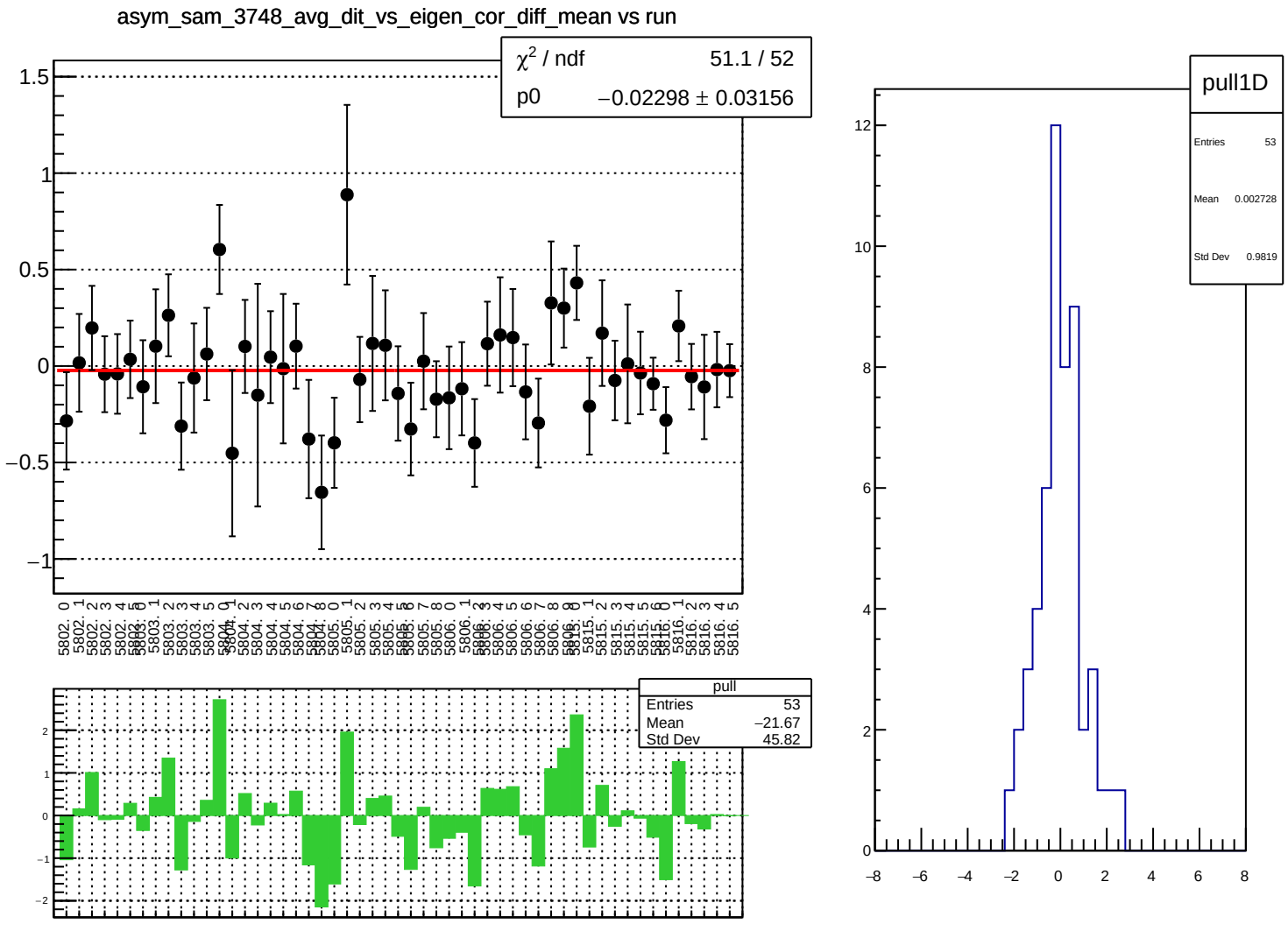

pull1D
Entries 53
Mean 0.141
Std Dev 0.9542

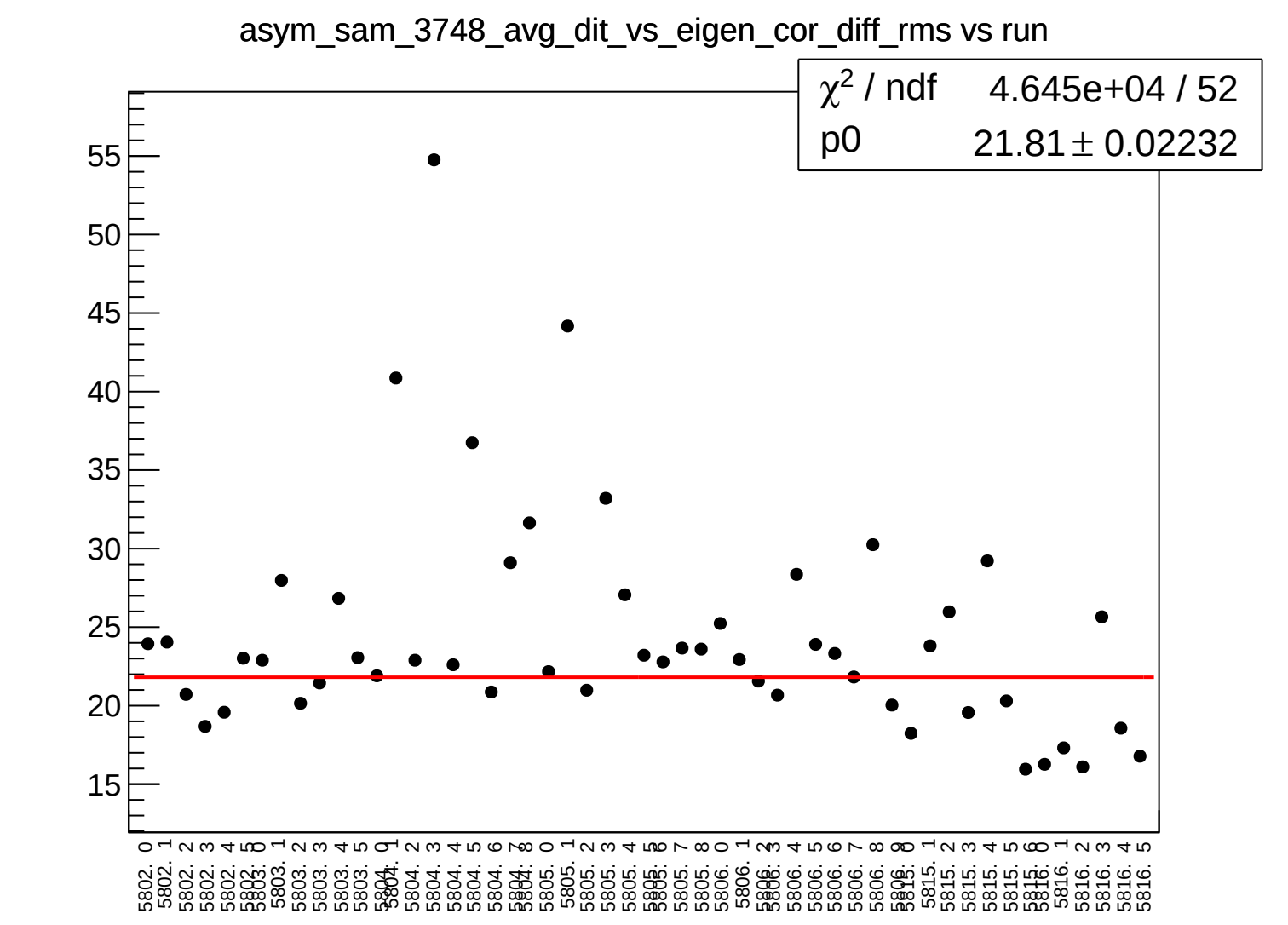

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.556e+05 / 52
p0 2.981e−11 ± 4.463e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

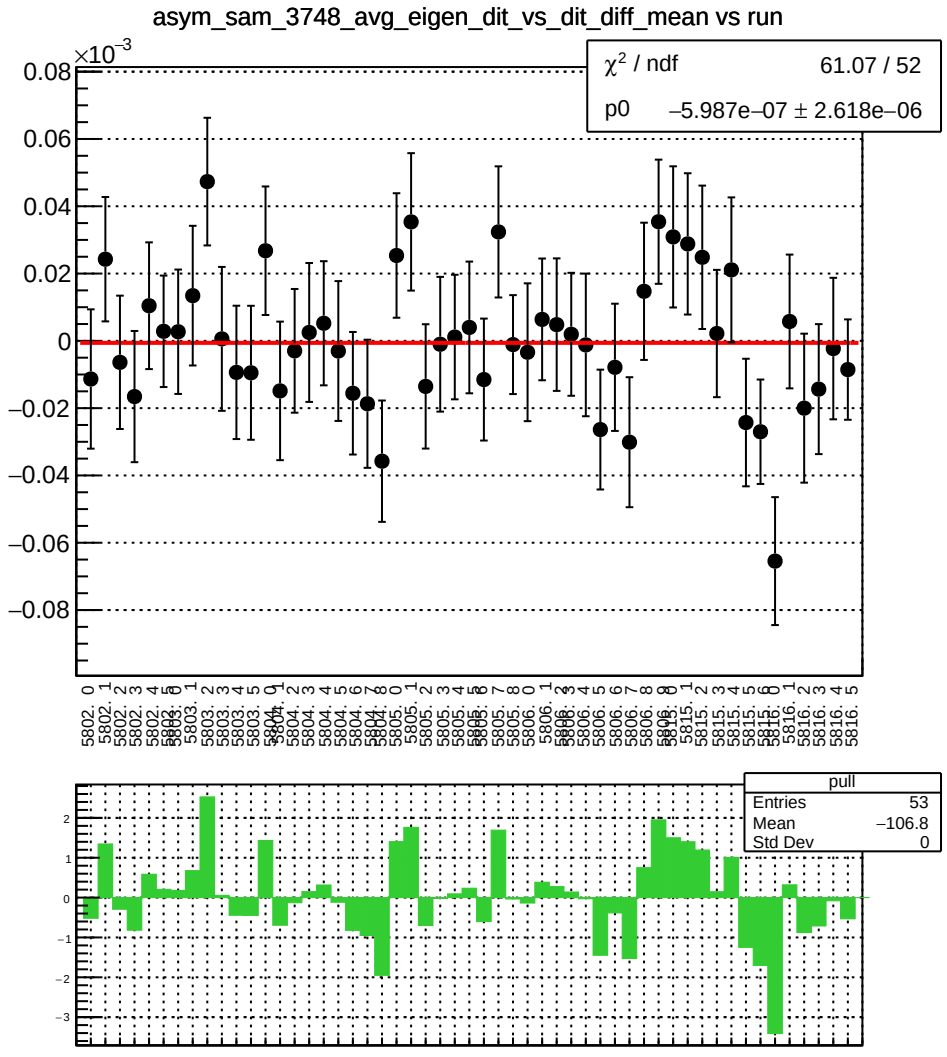

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.1 / 52
p0 −0.02298 ± 0.03156
pull
Entries 53
Mean −21.67
Std Dev 45.82

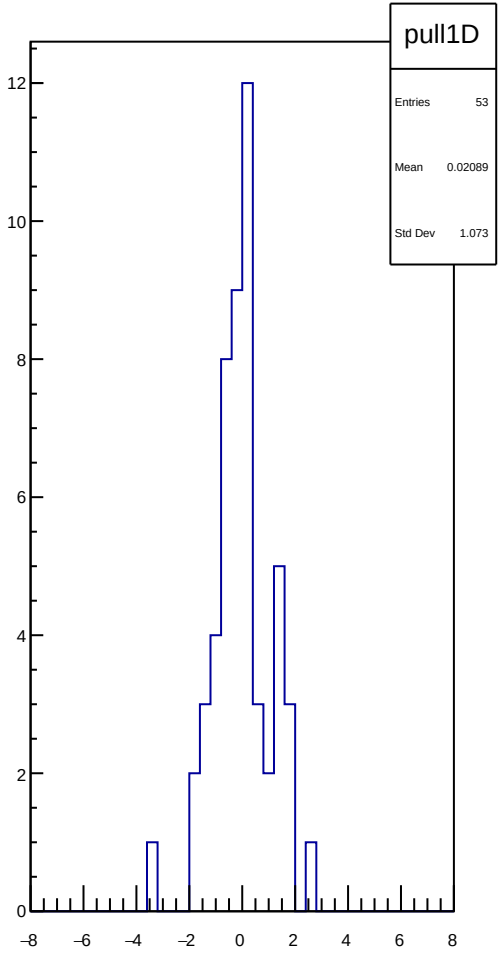

pull1D
Entries 53
Mean 0.002728
Std Dev 0.9819

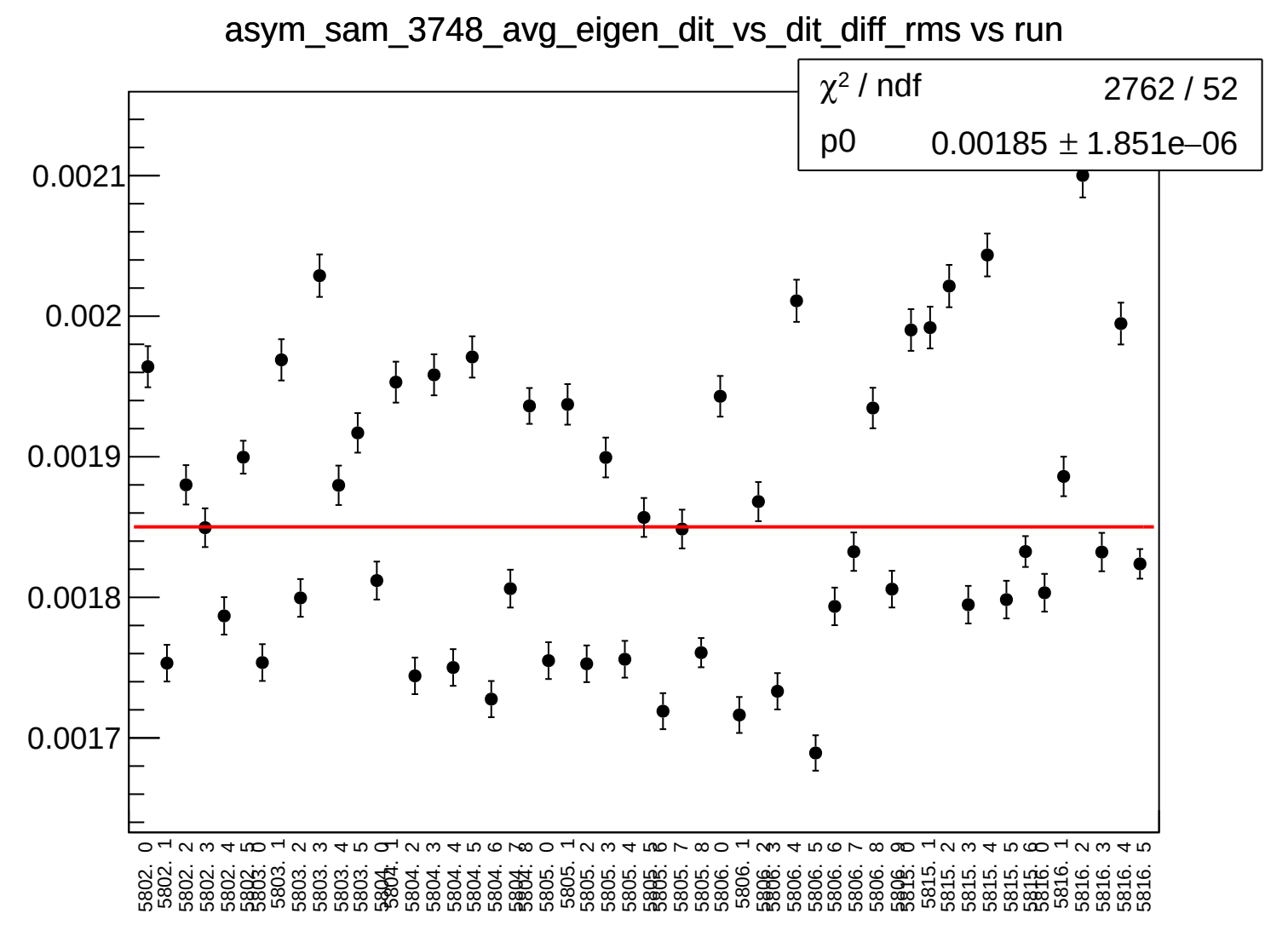

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.645e+04 / 52
p0 21.81 ± 0.02232
55
50
45
40
35
30
25
20
15

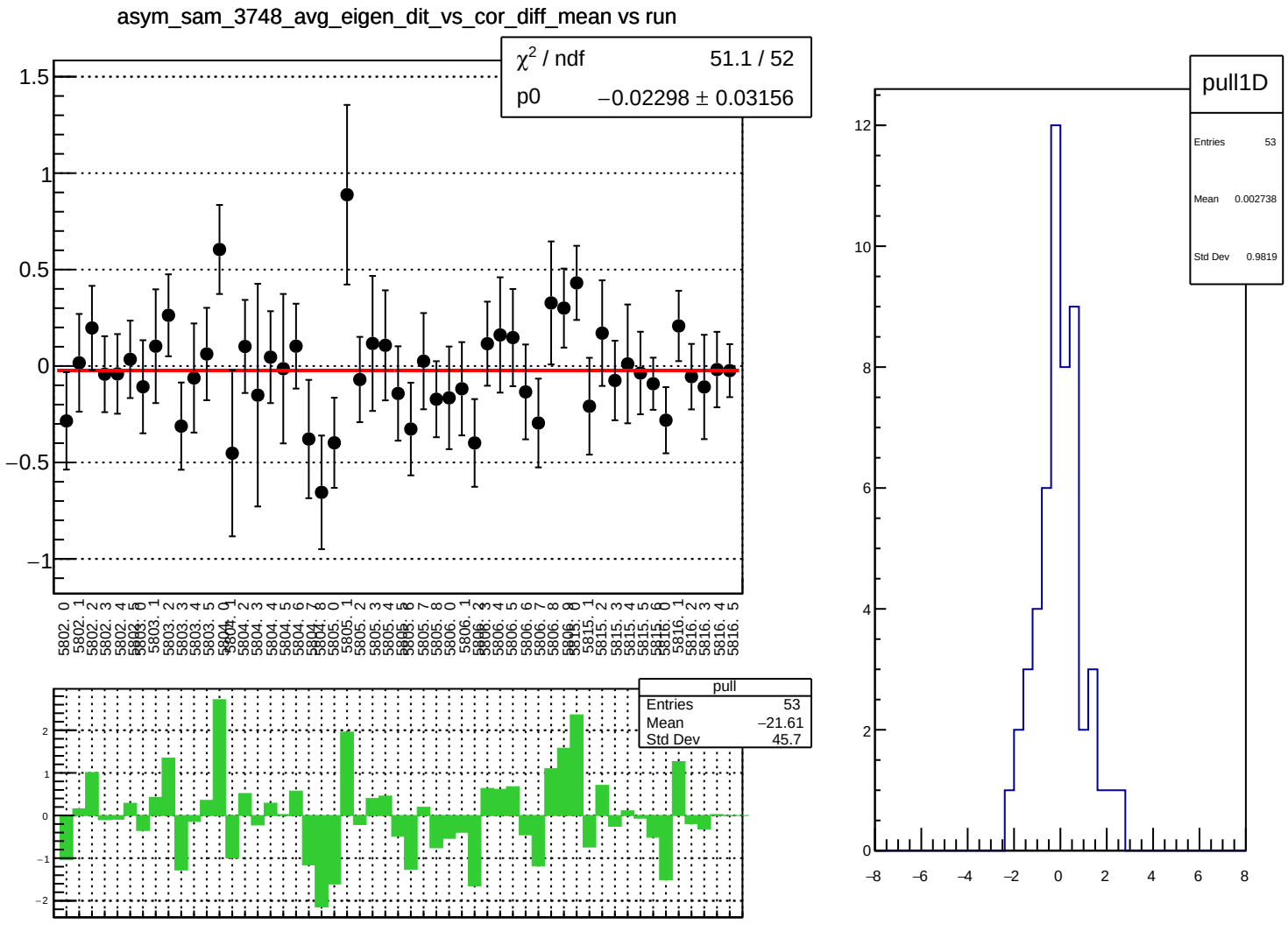

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.1 / 52
p0 −0.02298 ± 0.03156
pull
Entries 53
Mean −21.67
Std Dev 45.82
pull1D
Entries 53
Mean 0.002728
Std Dev 0.9819

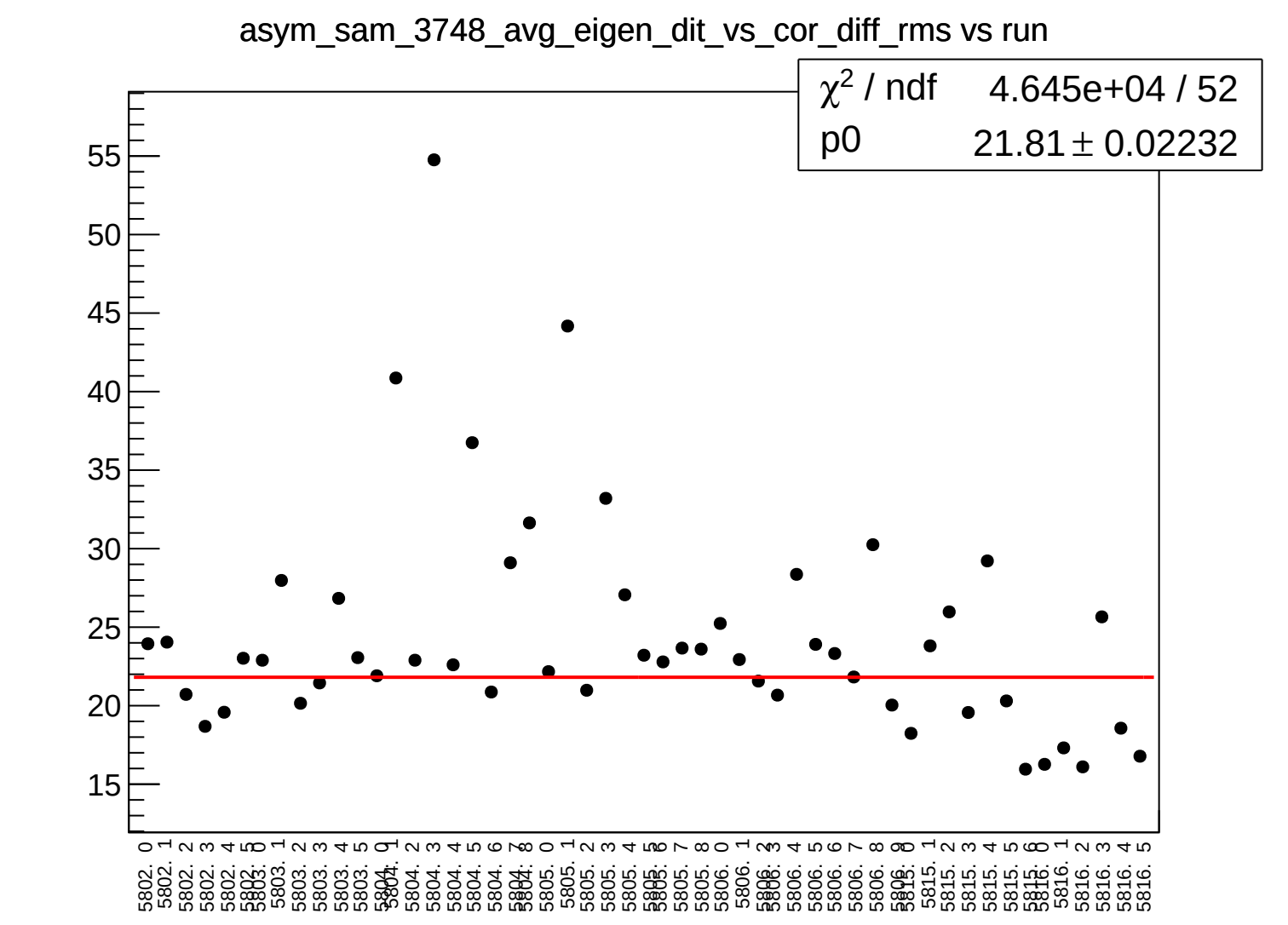

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.645e+04 / 52
p0 21.81 ± 0.02232
55
50
45
40
35
30
25
20
15

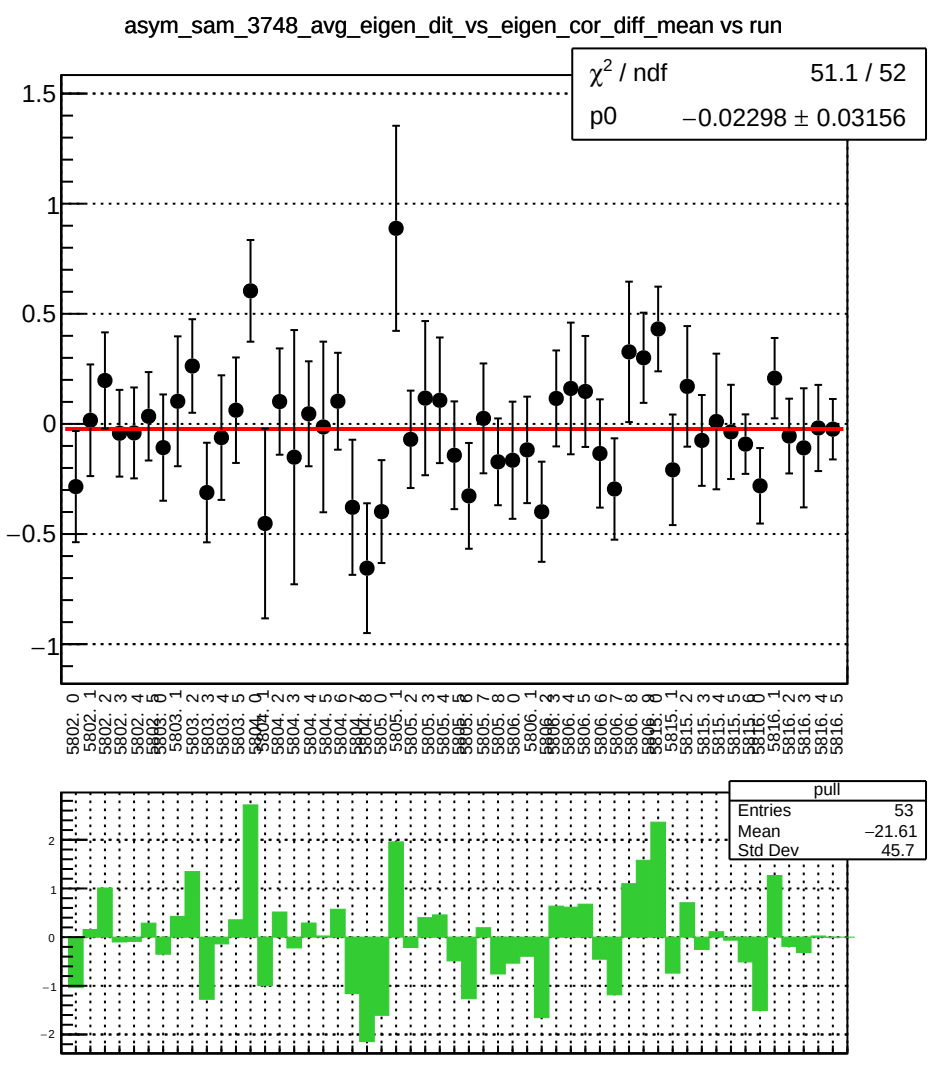

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 61.07 / 52
p0 −5.987e−07 ± 2.618e−06
pull
Entries 53
Mean −106.8
Std Dev 0

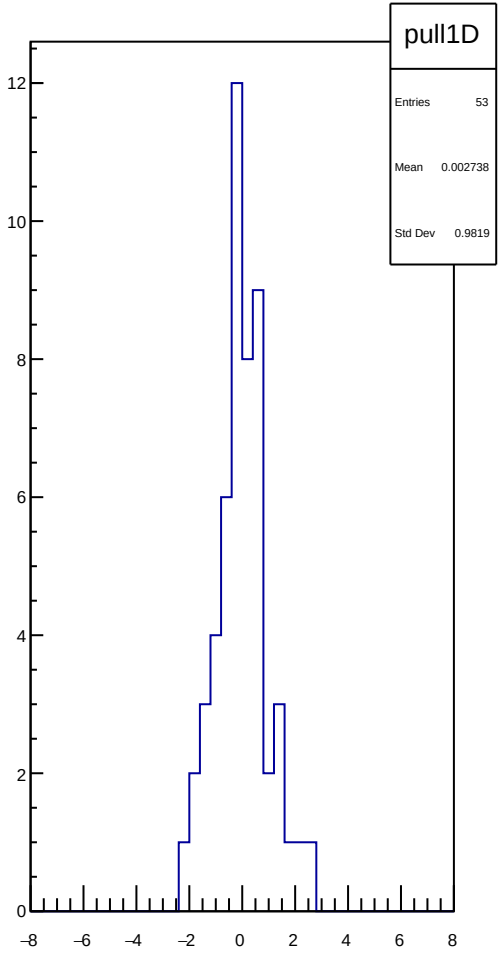

pull1D
Entries 53
Mean 0.02089
Std Dev 1.073

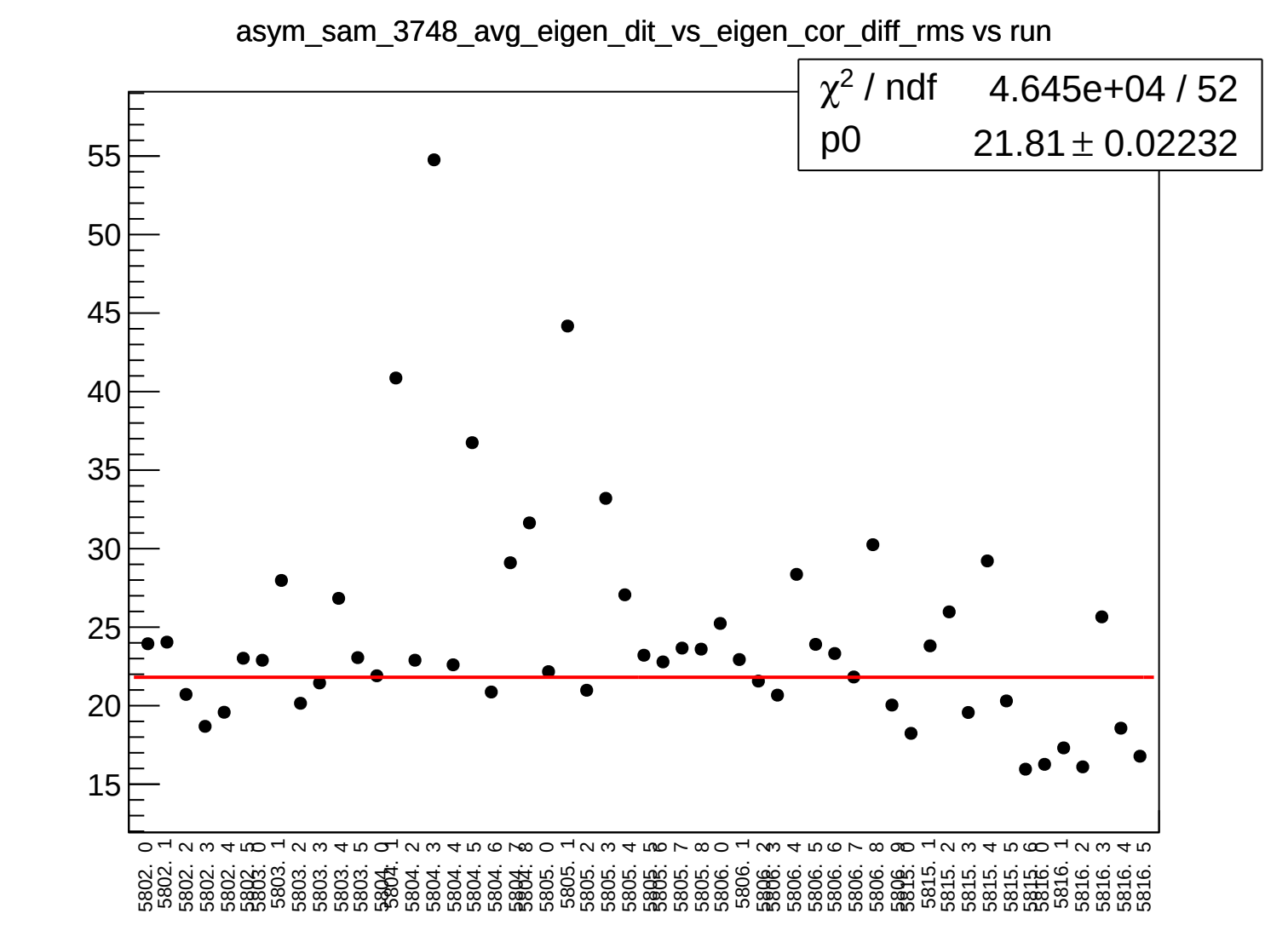

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2762 / 52
p0 0.00185 ± 1.851e−06
0.0021
0.002
0.0019
0.0018
0.0017

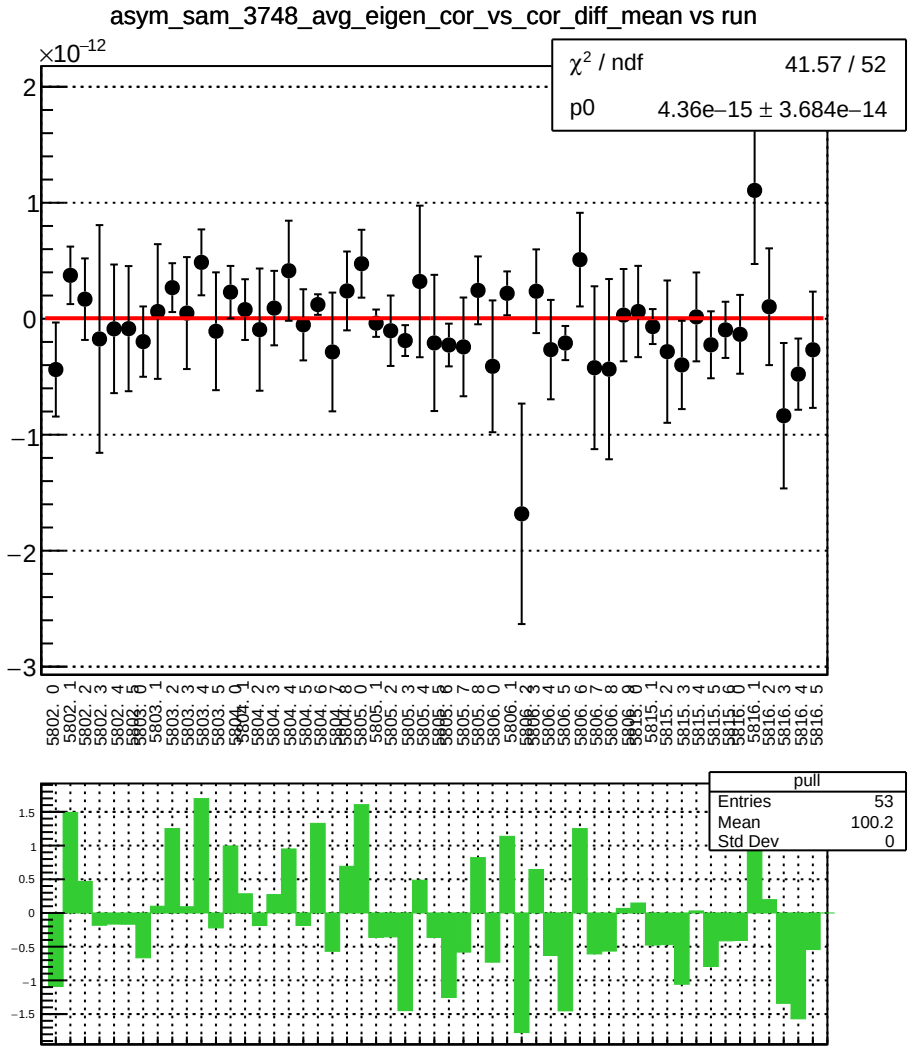

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.1 / 52
p0 −0.02298 ± 0.03156
pull
Entries 53
Mean −21.61
Std Dev 45.7
pull1D
Entries 53
Mean 0.002738
Std Dev 0.9819

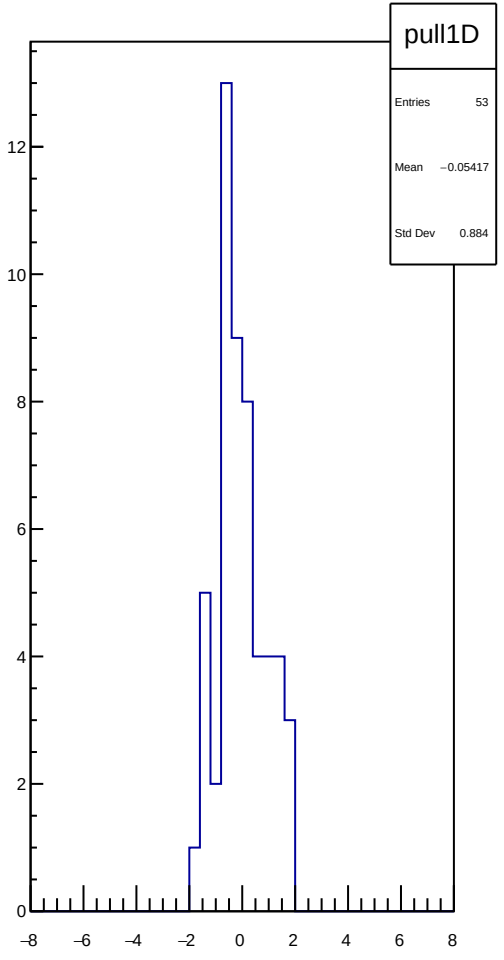

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.645e+04 / 52
p0 21.81 ± 0.02232
55
50
45
40
35
30
25
20
15
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

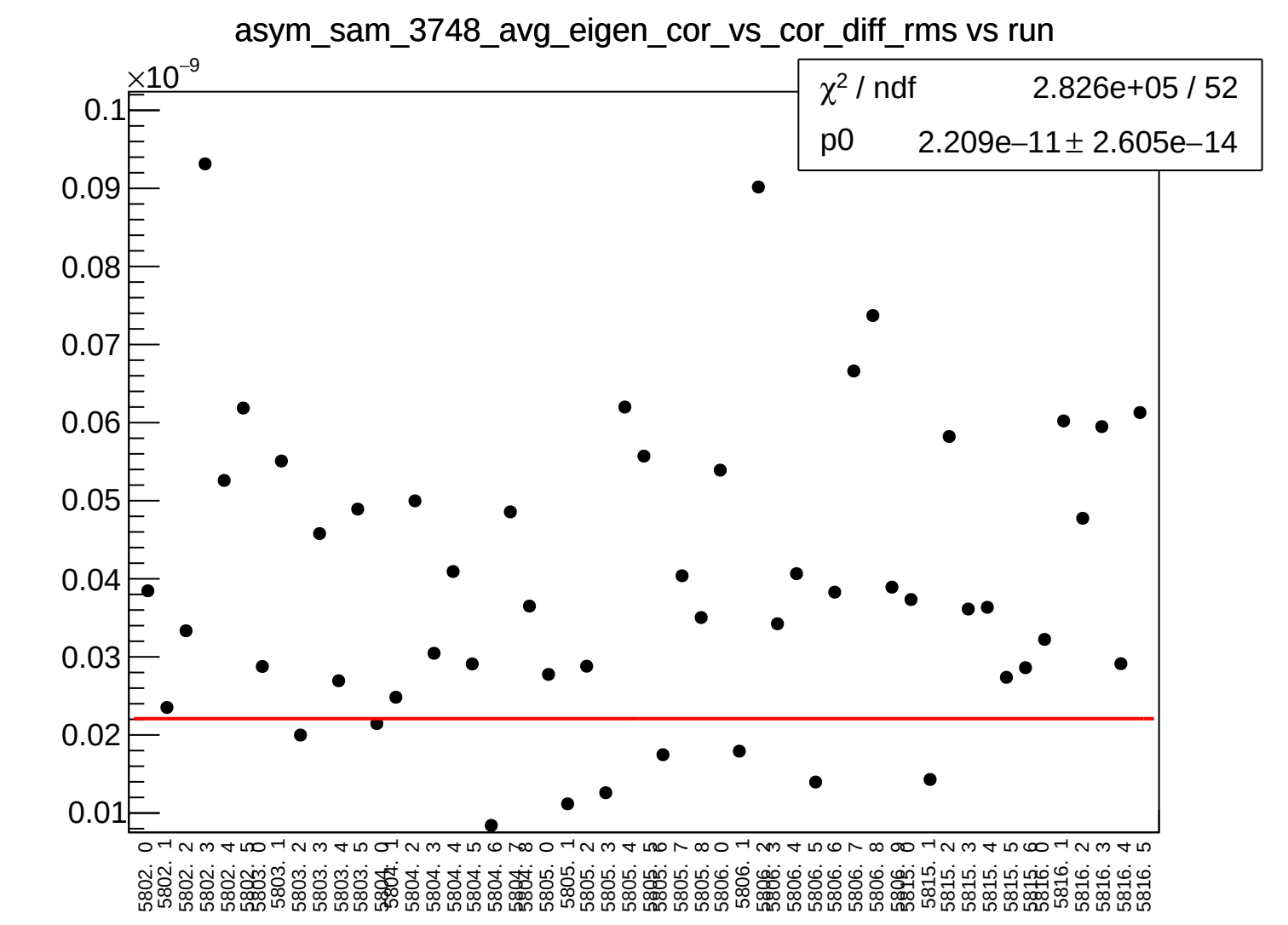

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.1 / 52
p0 −0.02298 ± 0.03156
pull
Entries 53
Mean −21.61
Std Dev 45.7

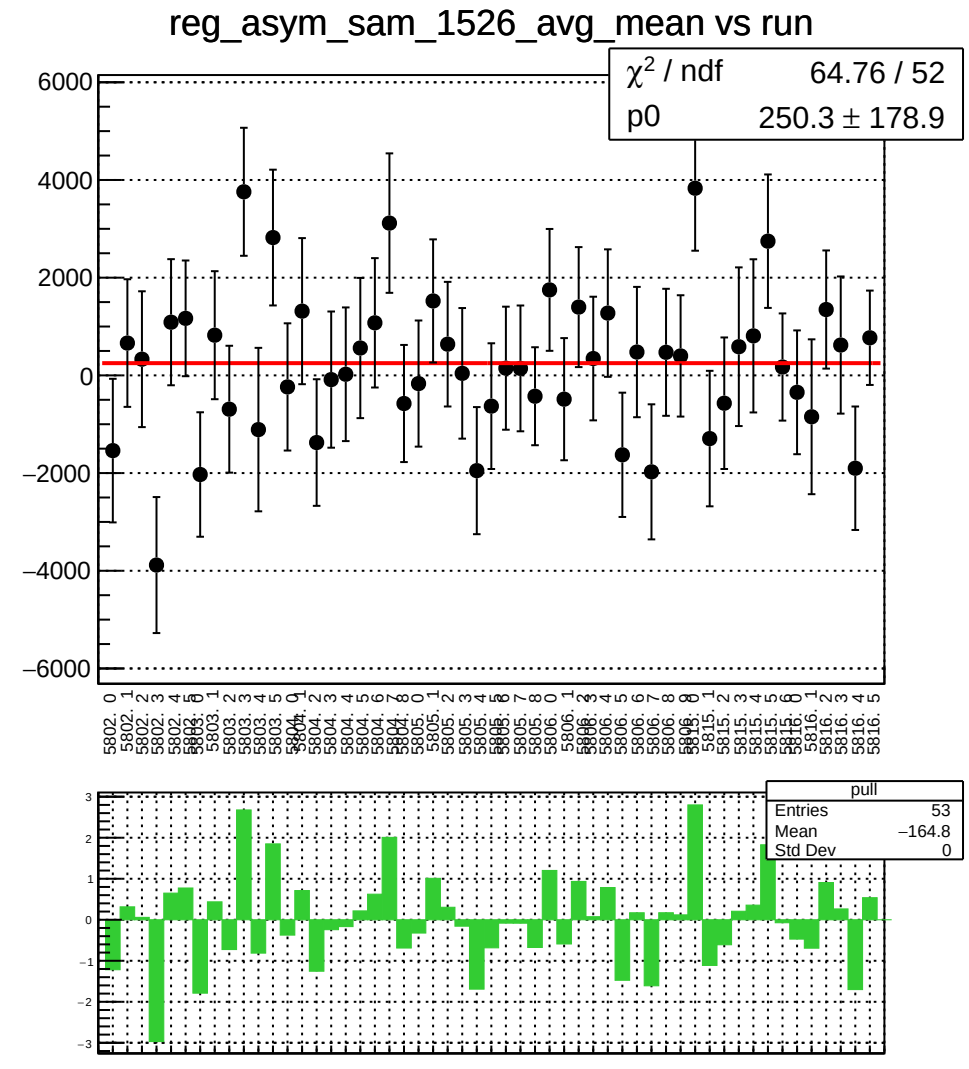

pull1D
Entries 53
Mean 0.002738
Std Dev 0.9819

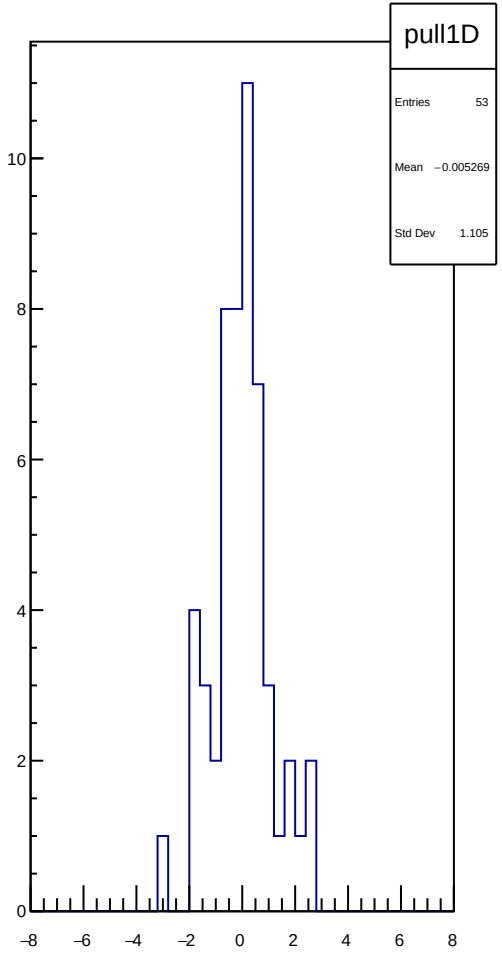

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.645e+04 / 52
p0 21.81 ± 0.02232
55
50
45
40
35
30
25
20
15
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

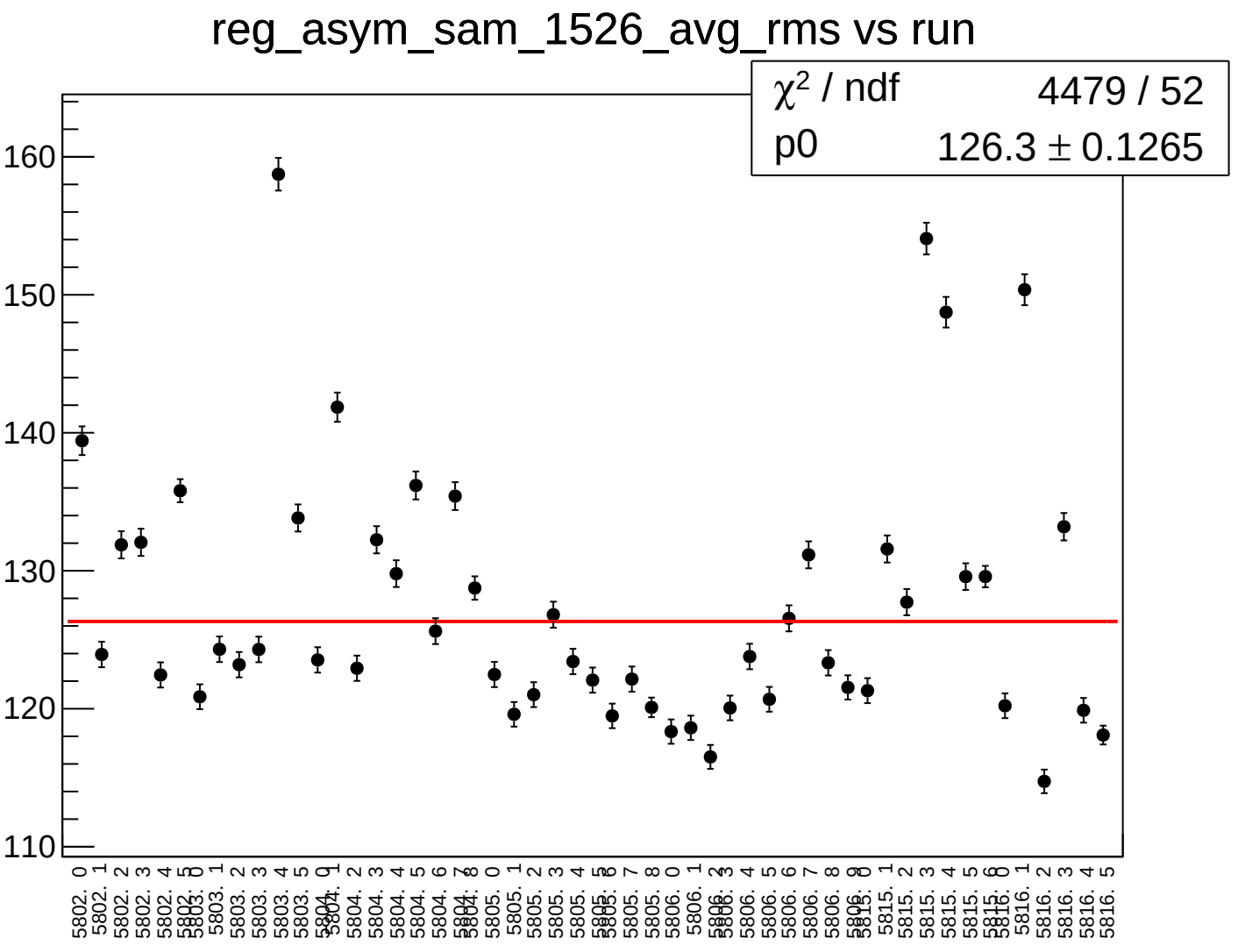

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.57 / 52
p0 4.36e−15 ± 3.684e−14
pull
Entries 53
Mean 100.2
Std Dev 0

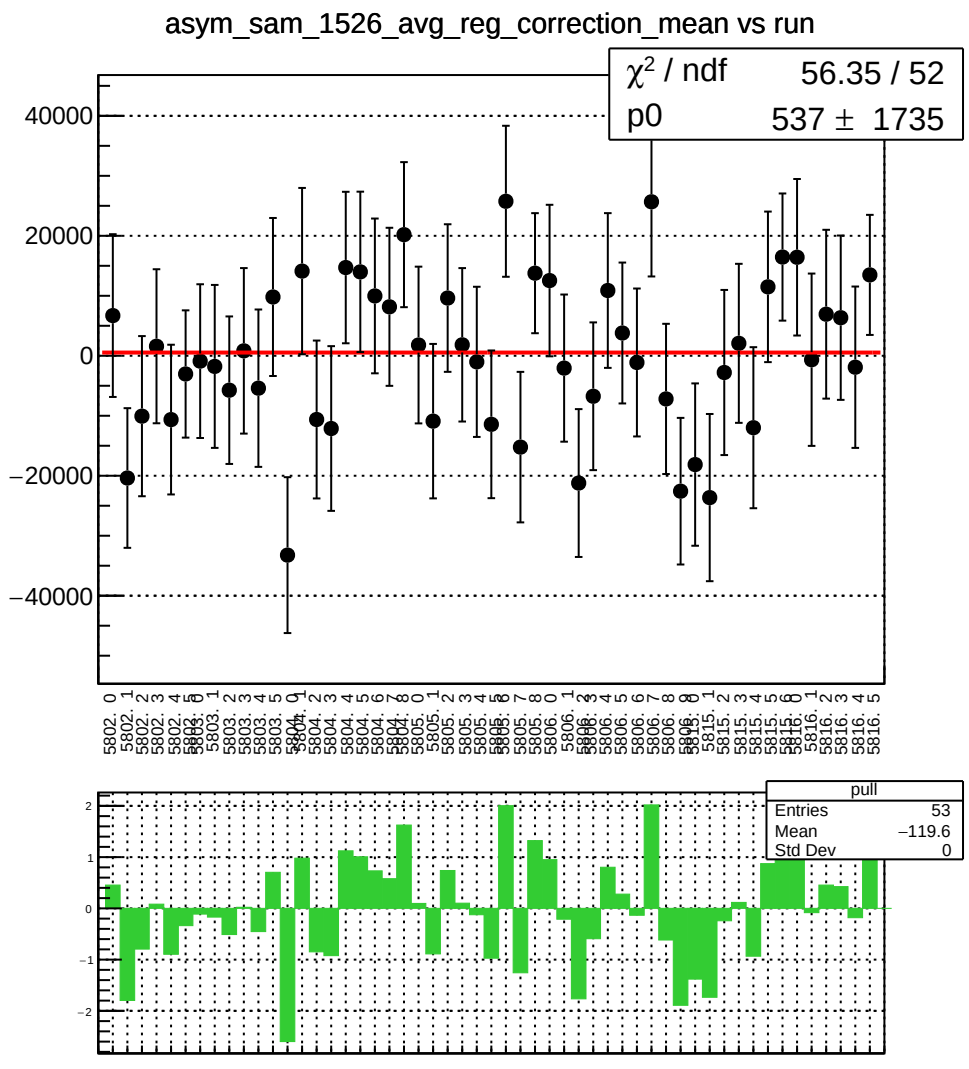

pull1D
Entries 53
Mean −0.05417
Std Dev 0.884

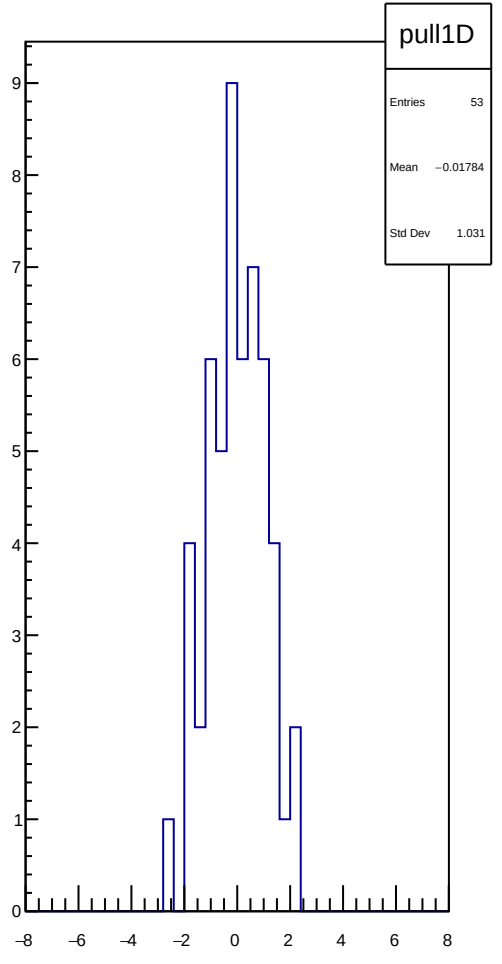

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.826e+05 / 52
p0 2.209e−11 ± 2.605e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

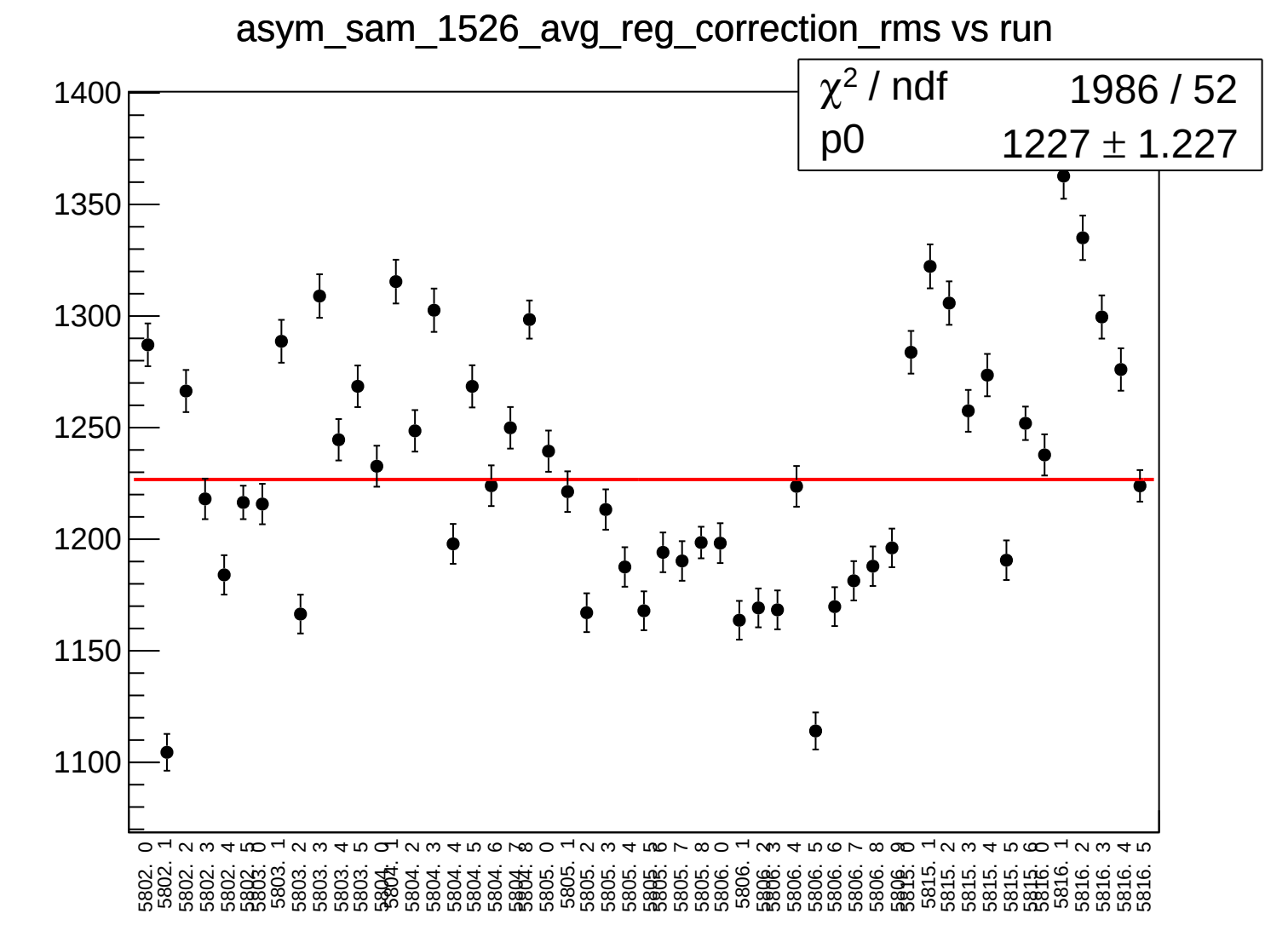

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 64.76 / 52
p0 250.3 ± 178.9
pull
Entries 53
Mean −164.8
Std Dev 0

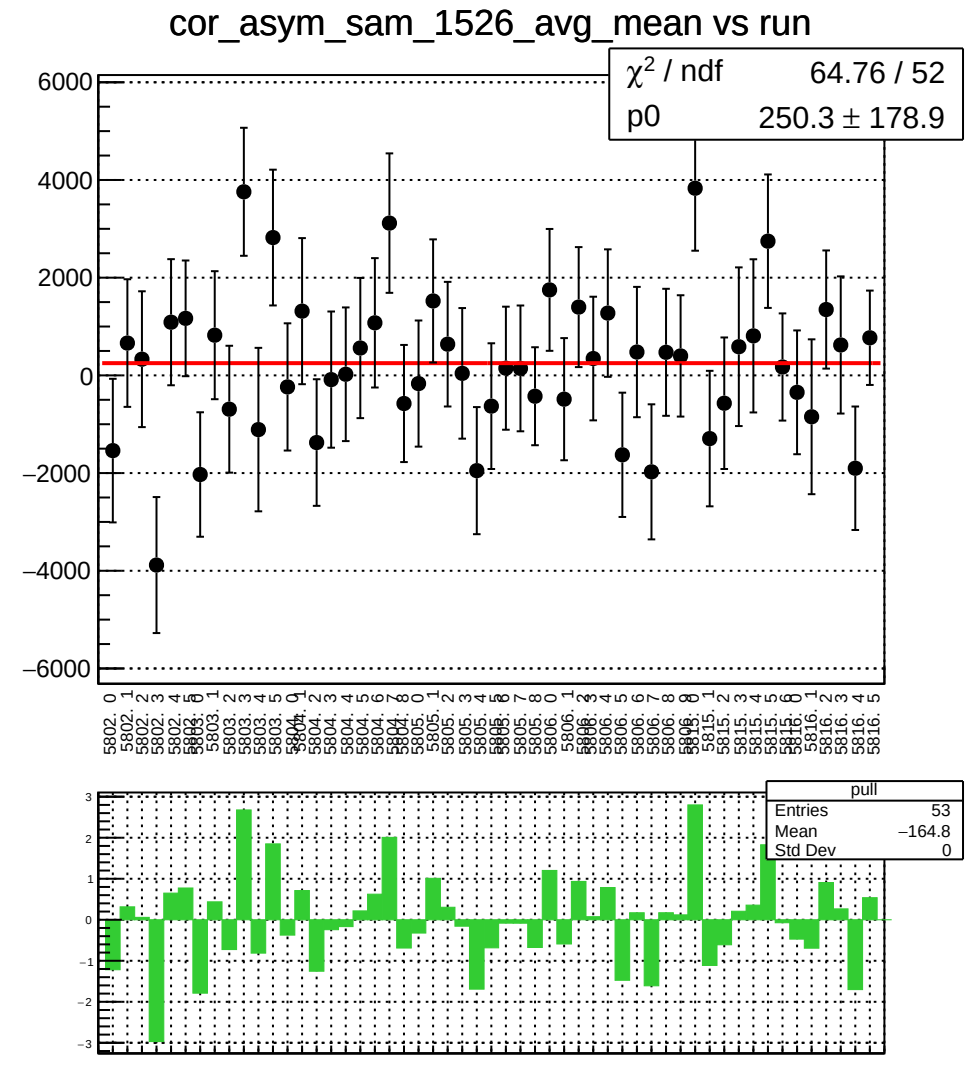

pull1D
Entries 53
Mean −0.005269
Std Dev 1.105

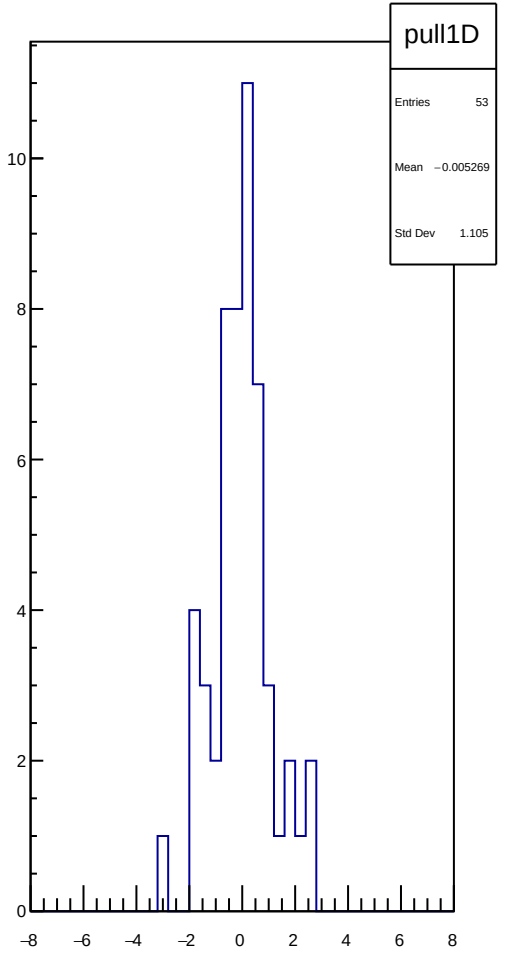

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 4479 / 52
p0 126.3 ± 0.1265
160
150
140
130
120
110

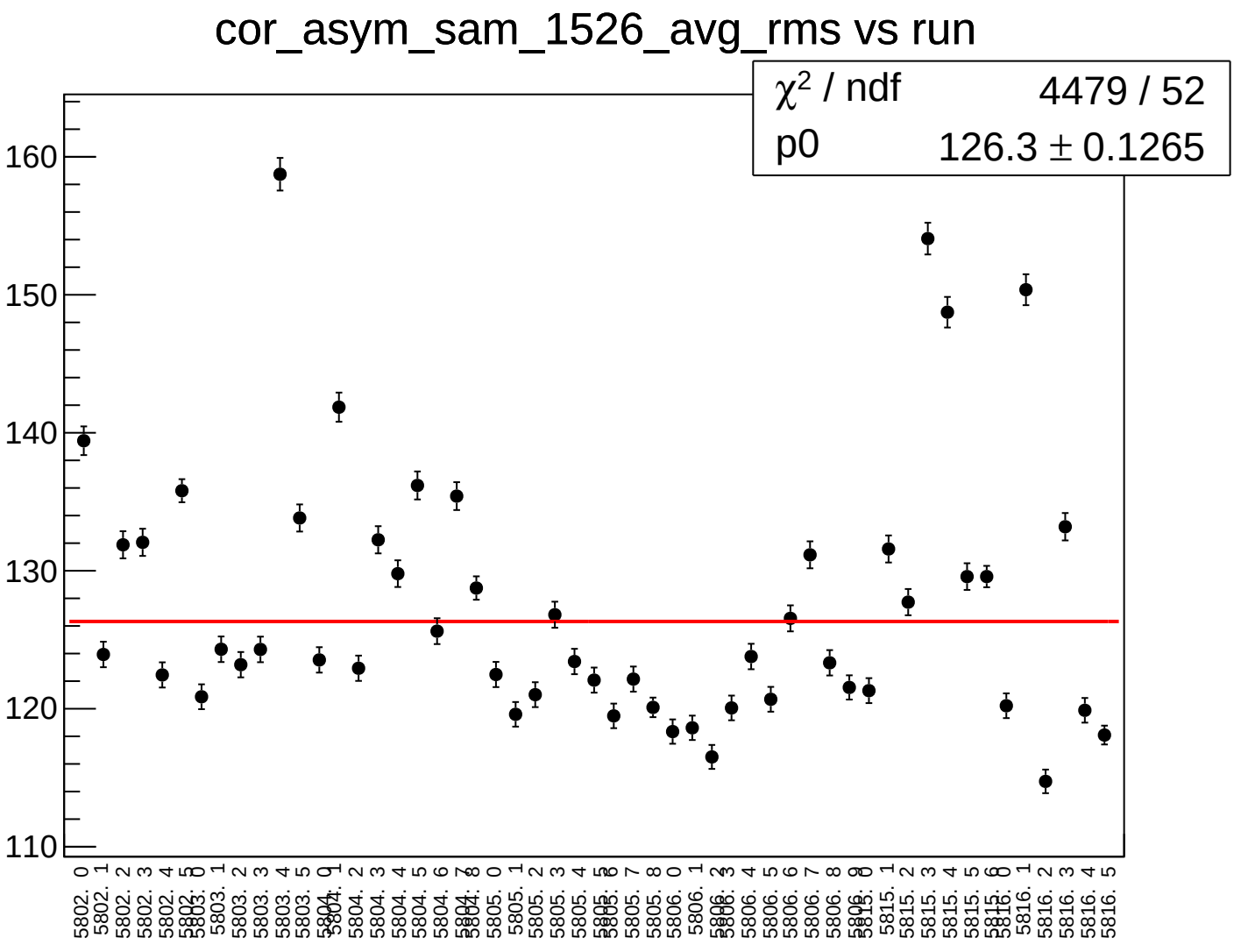

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 56.35 / 52
p0 537 ± 1735
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −119.6
Std Dev 0
2
1
0
−1
−2

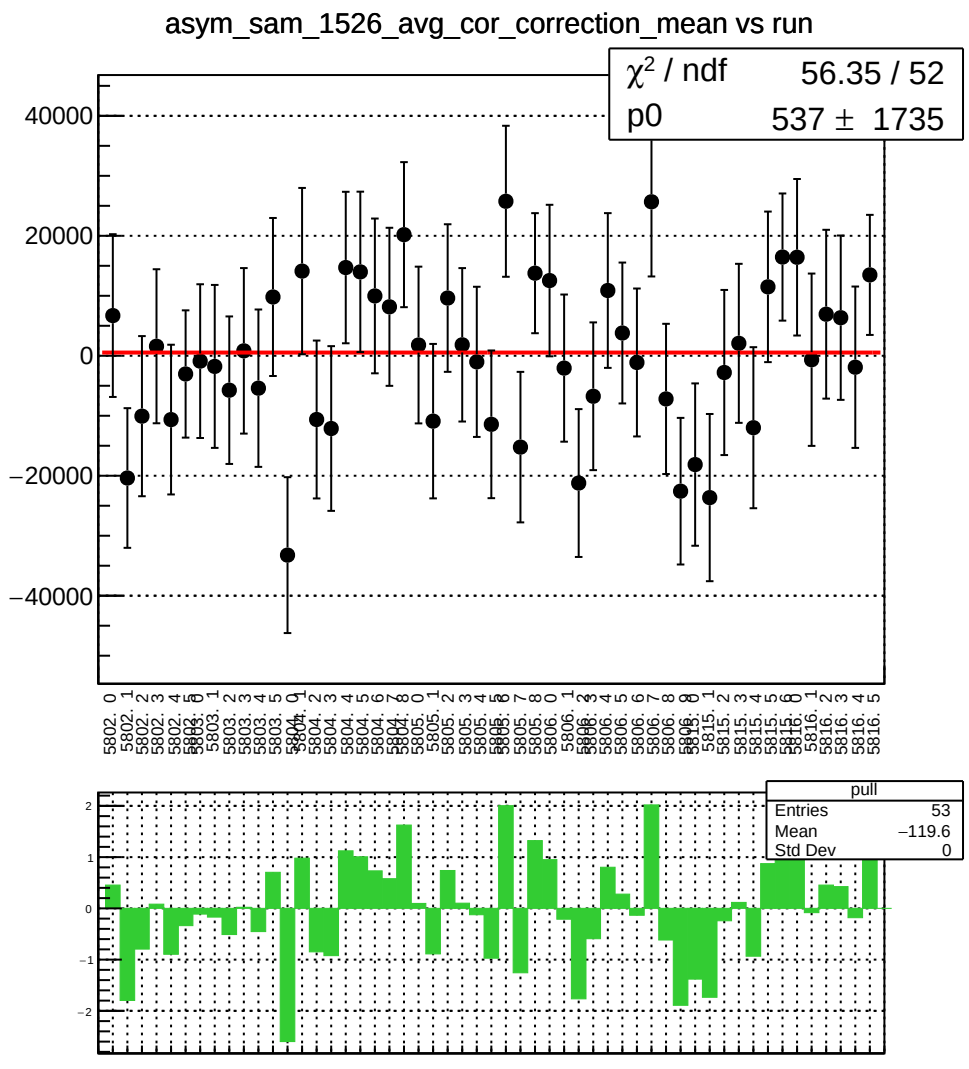

pull1D
Entries 53
Mean −0.01784
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

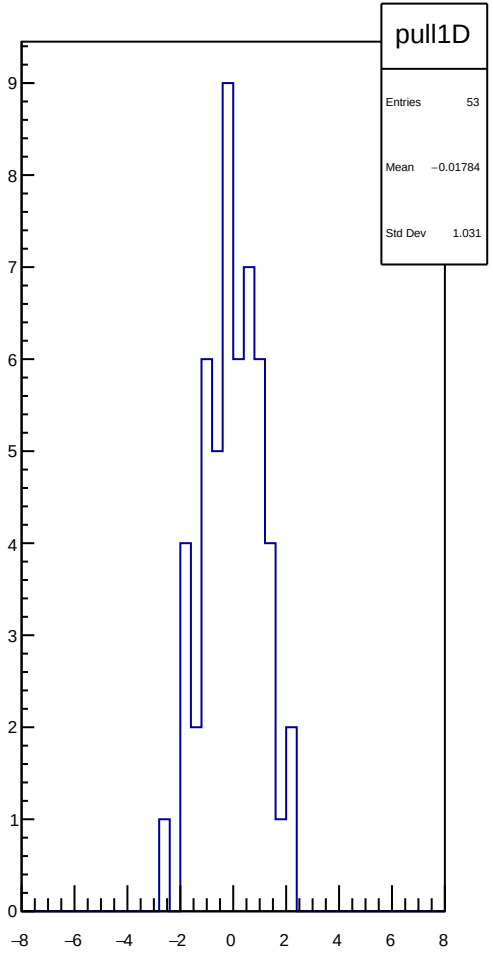

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1986 / 52
p0 1227 ± 1.227
1400
1350
1300
1250
1200
1150
1100


cor_asym_sam_1526_avg_mean vs run
χ² / ndf 64.76 / 52
p0 250.3 ± 178.9
pull
Entries 53
Mean −164.8
Std Dev 0


pull1D
Entries 53
Mean −0.005269
Std Dev 1.105


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 4479 / 52
p0 126.3 ± 0.1265
160
150
140
130
120
110


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 56.35 / 52
p0 537 ± 1735
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −119.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01784
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
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−4
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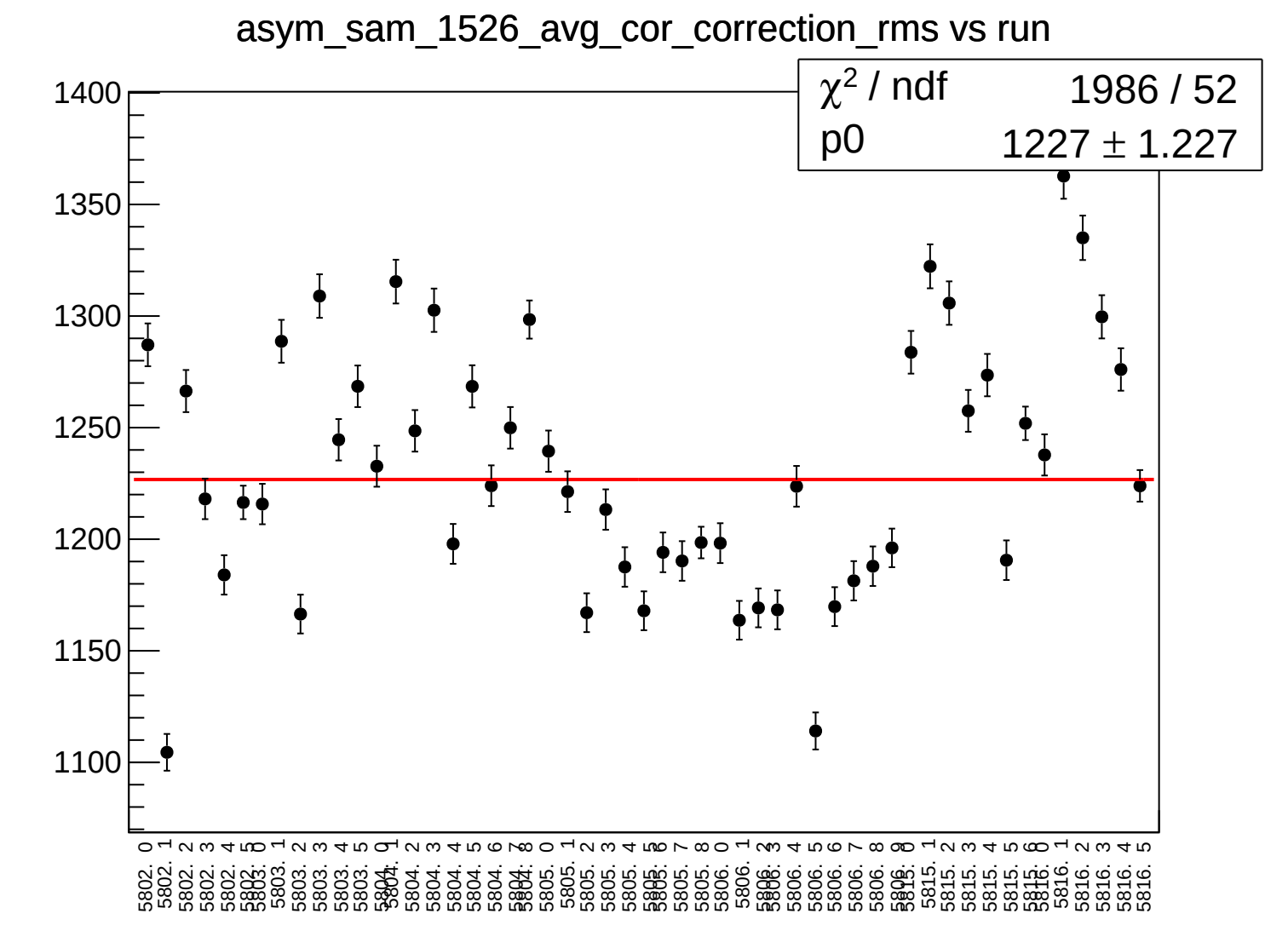
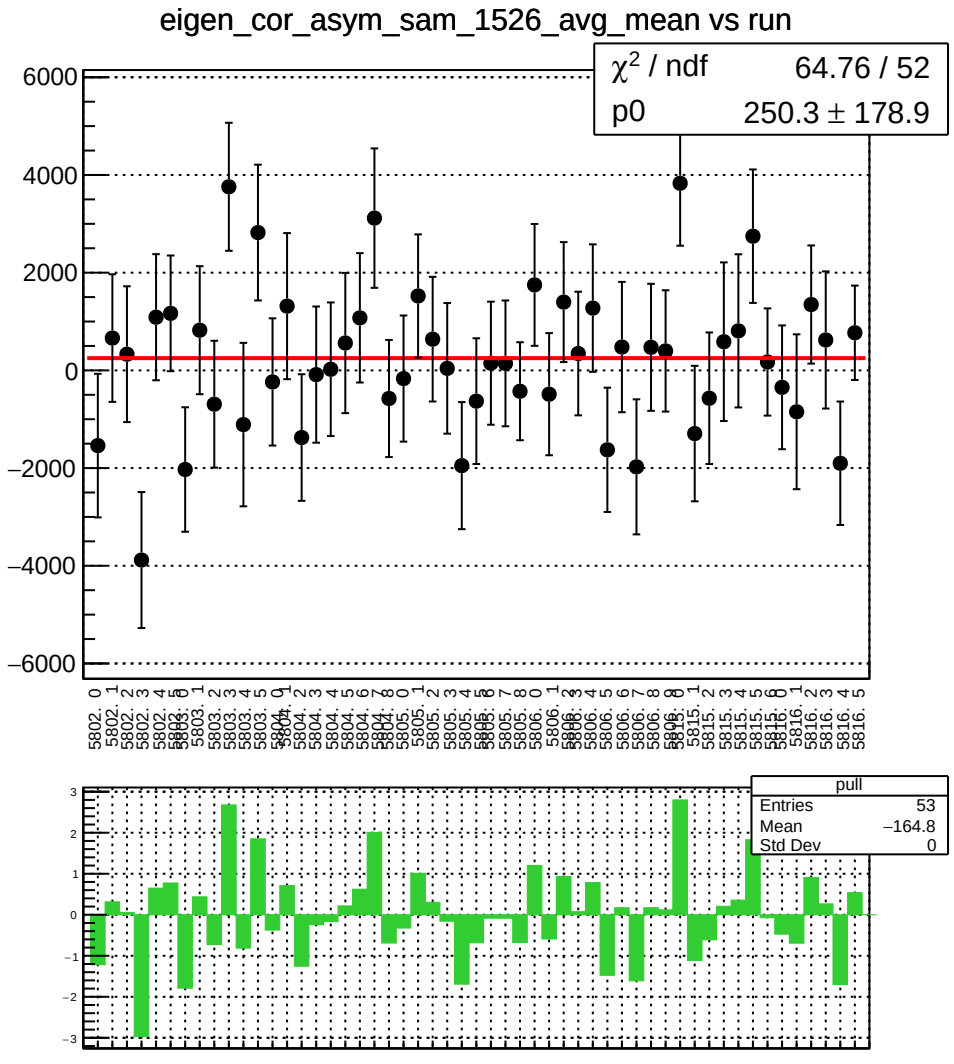
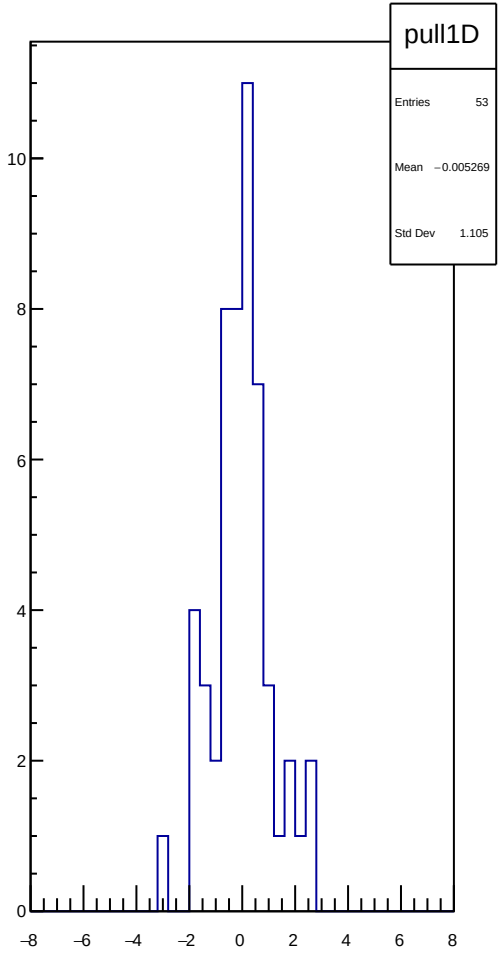
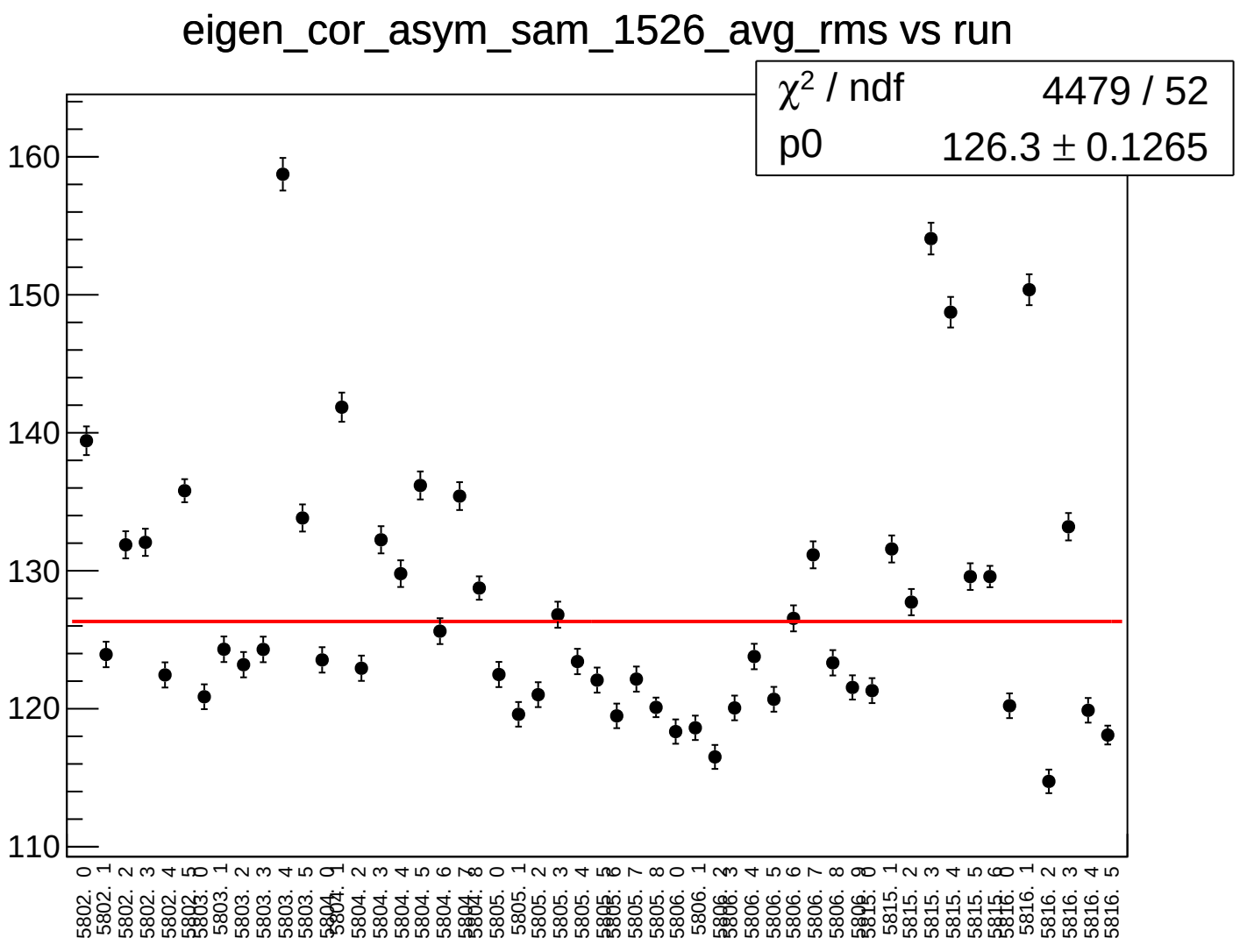
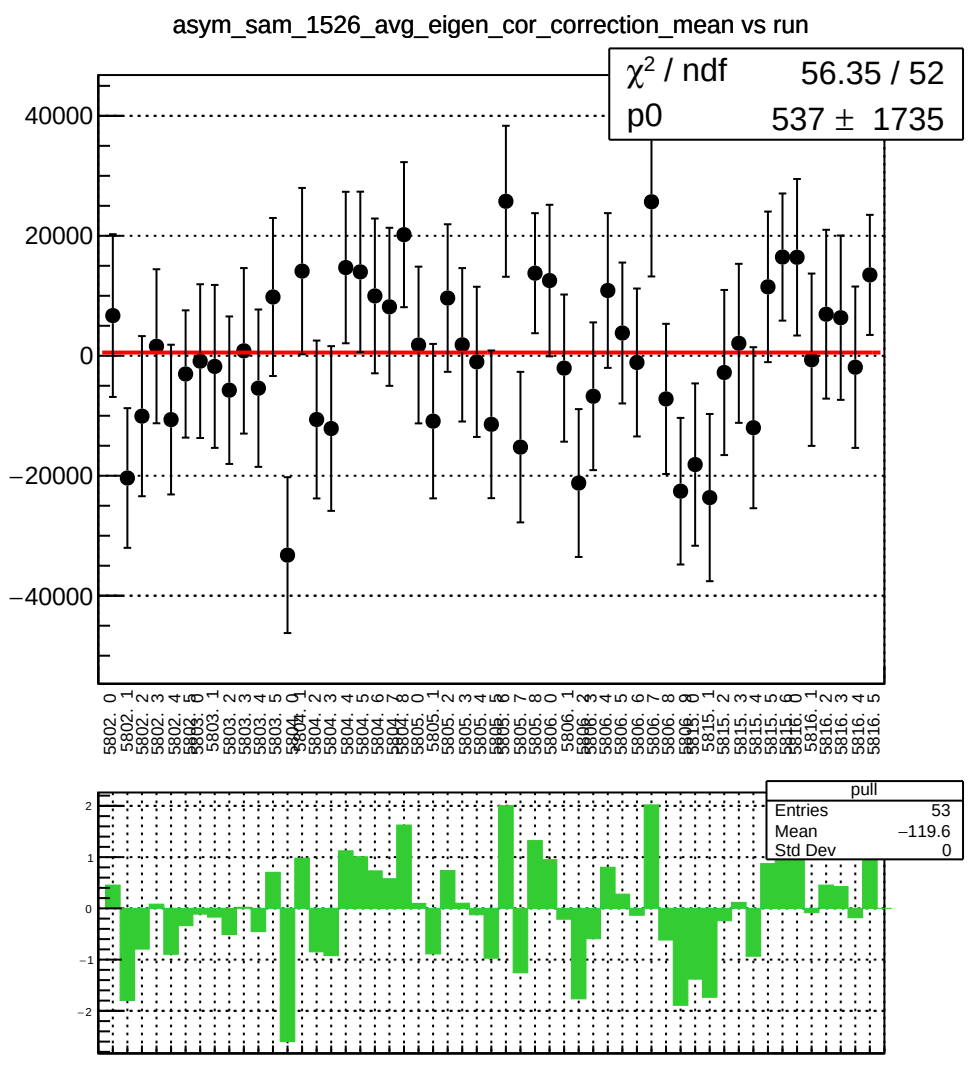
0
2
4
6
8

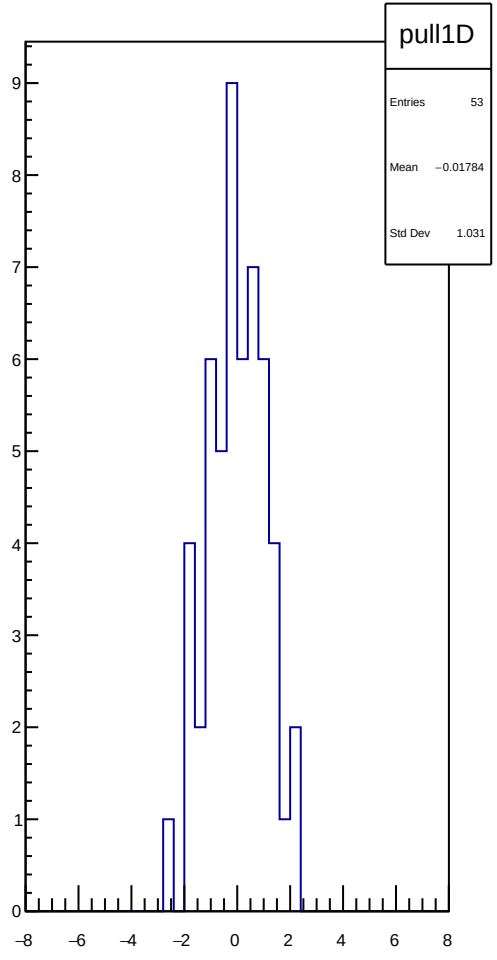

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1986 / 52
p0 1227 ± 1.227
1400
1350
1300
1250
1200
1150
1100

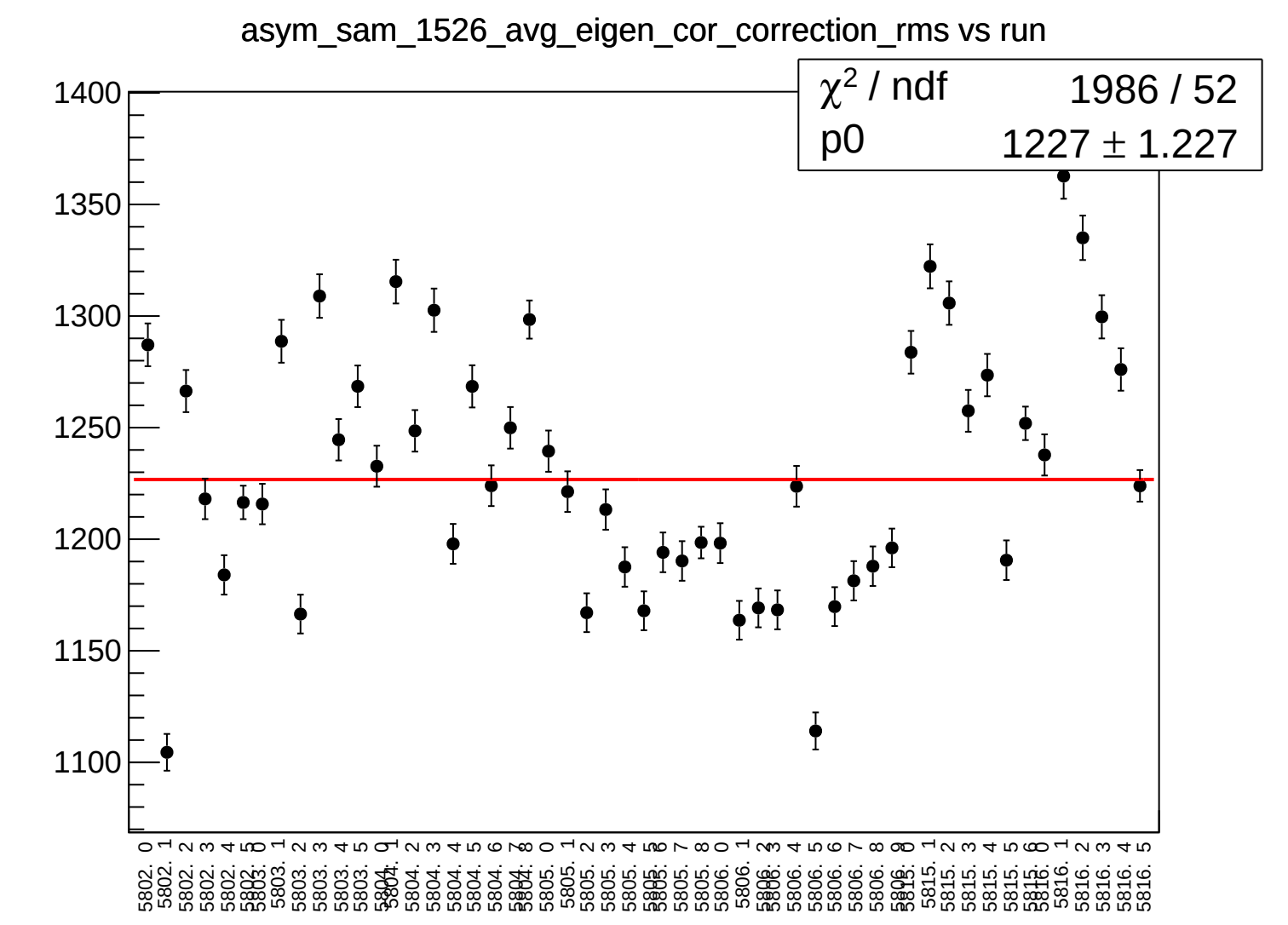

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 64.76 / 52
p0 250.3 ± 178.9
pull
Entries 53
Mean −164.8
Std Dev 0

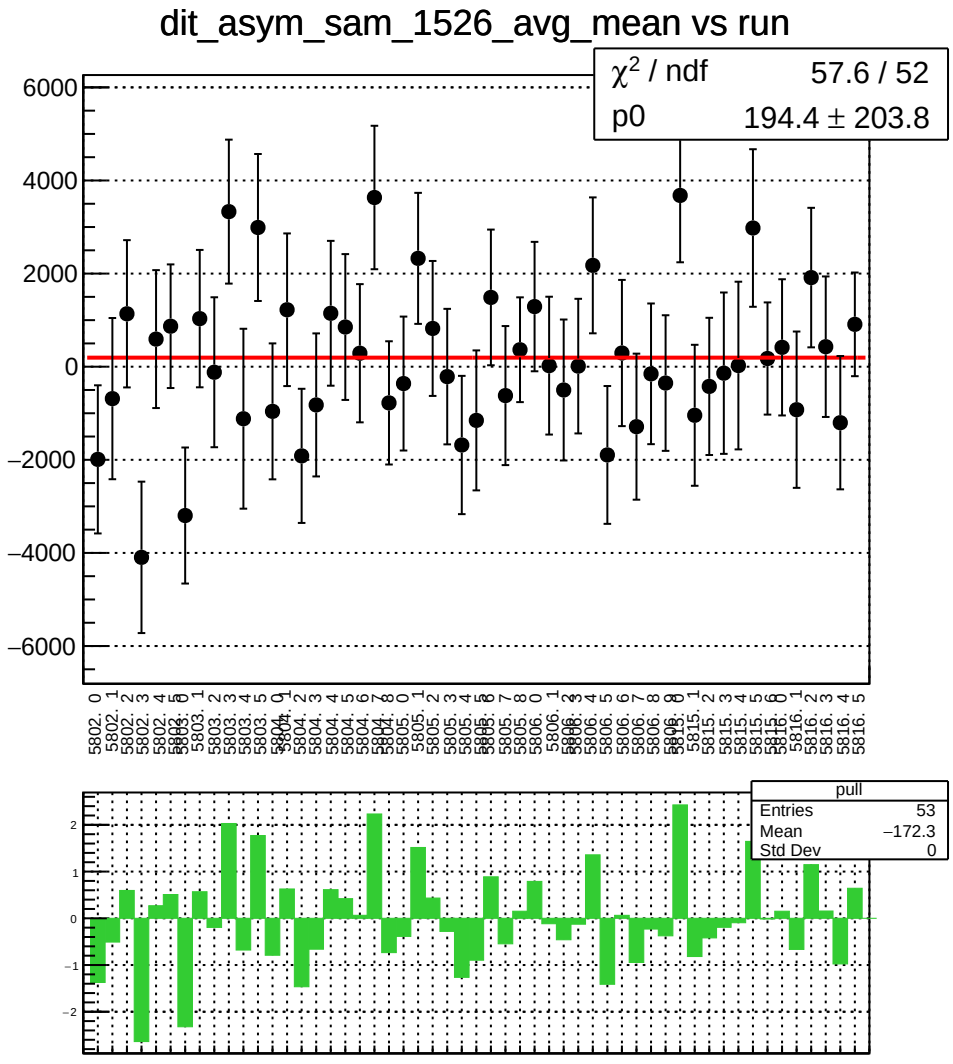

pull1D
Entries 53
Mean −0.005269
Std Dev 1.105

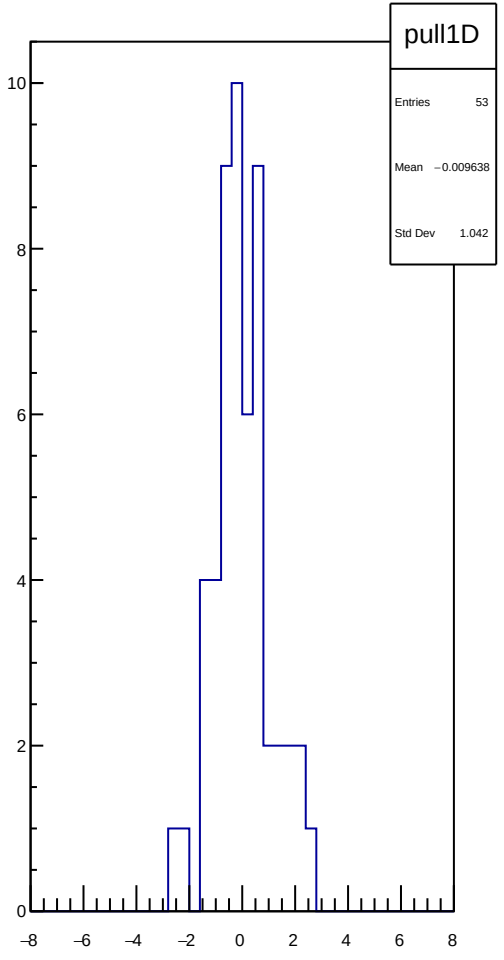

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 4479 / 52
p0 126.3 ± 0.1265
160
150
140
130
120
110

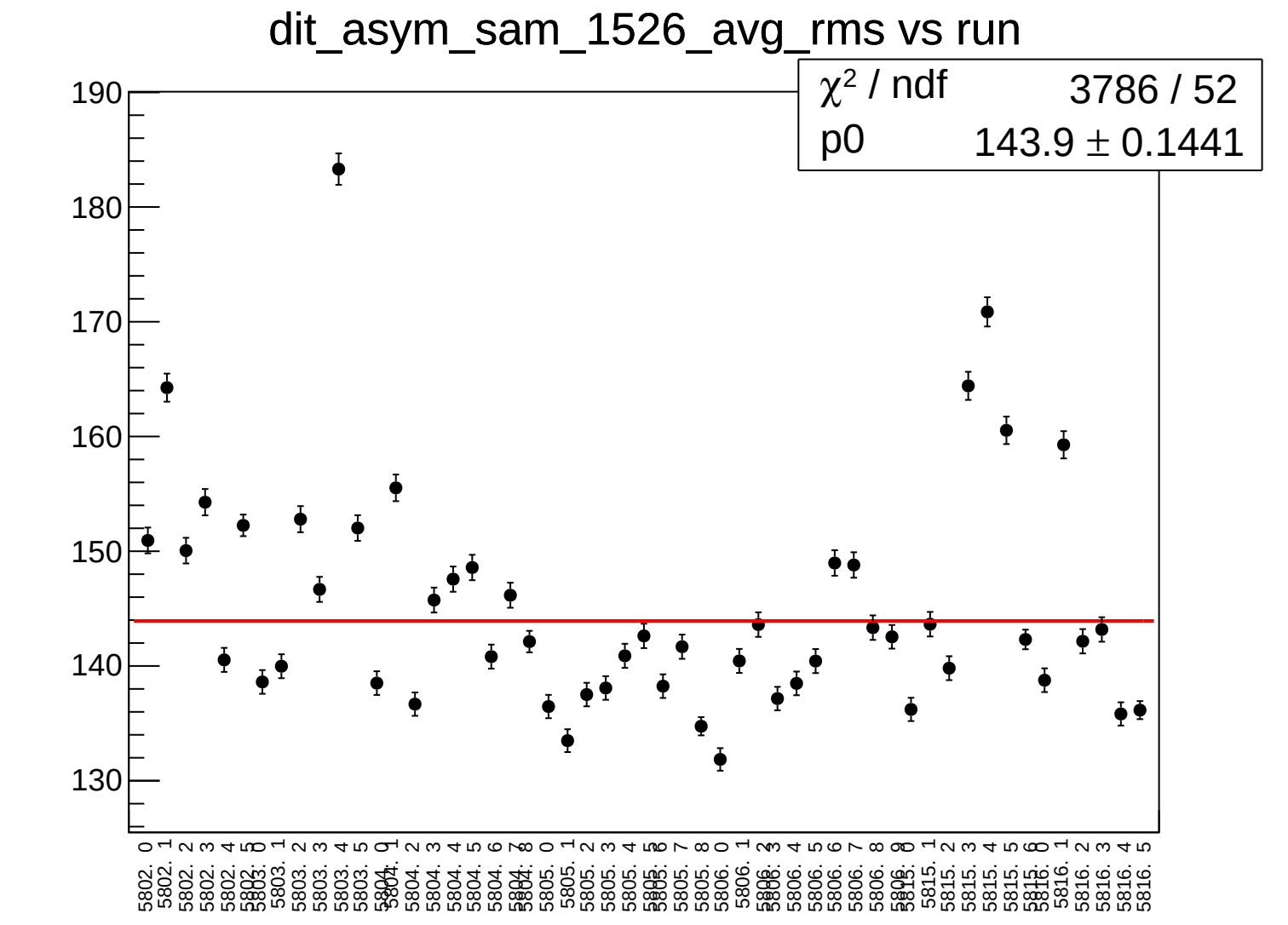

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.35 / 52
p0 537 ± 1735
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −119.6
Std Dev 0
2
1
0
−1
−2

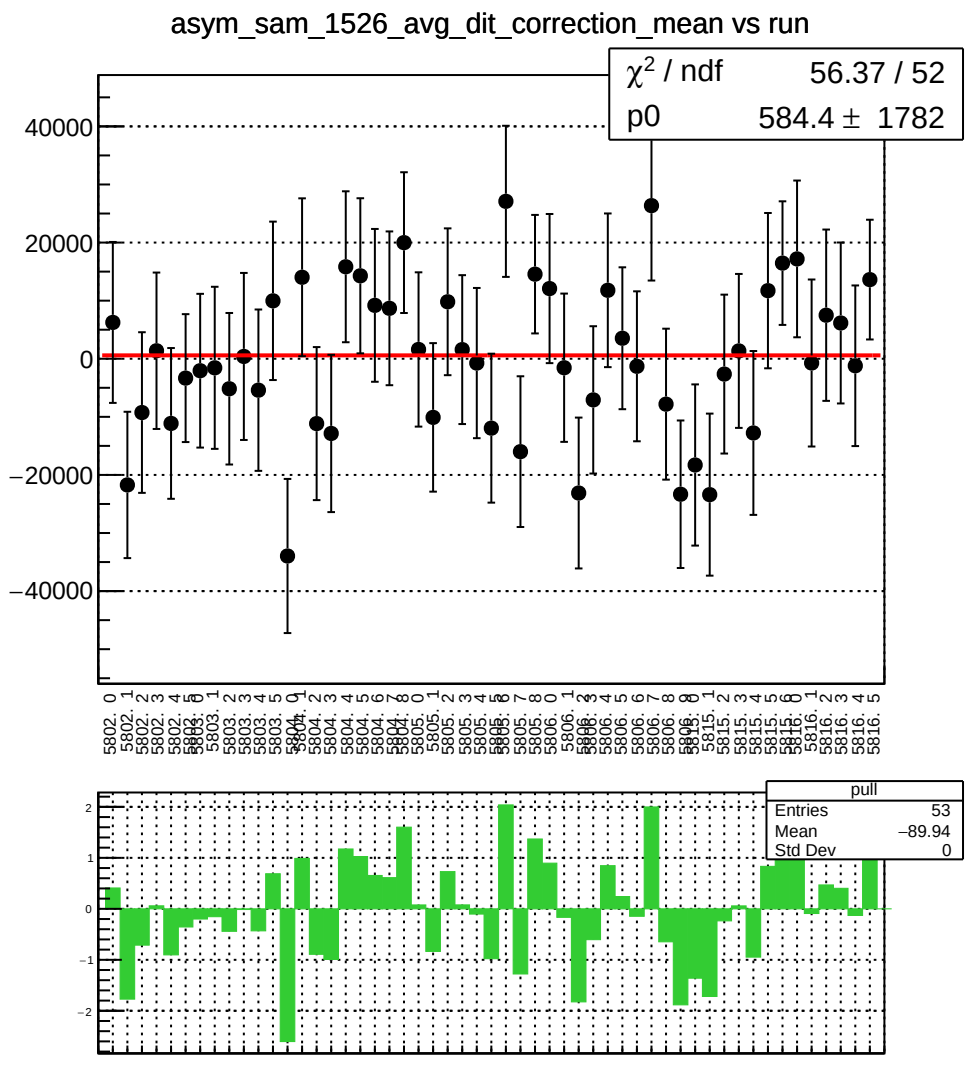

pull1D
Entries 53
Mean −0.01784
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

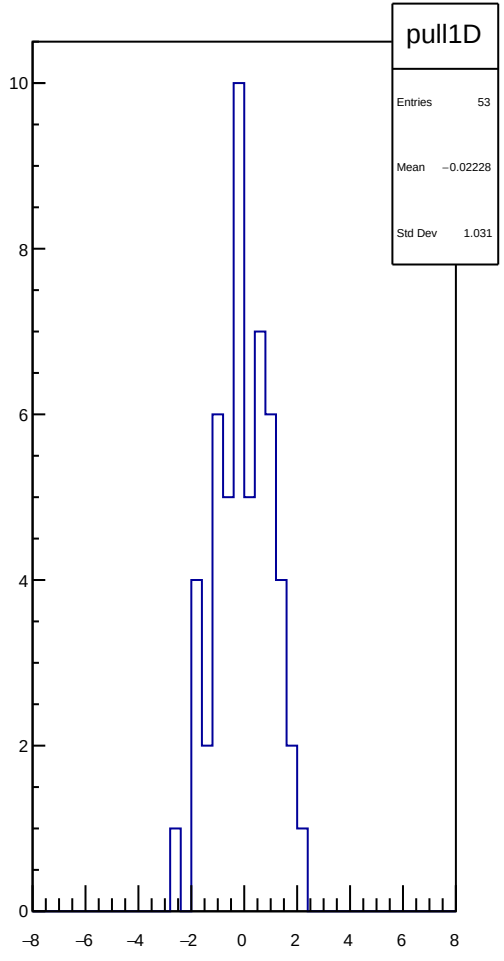

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1986 / 52
p0 1227 ± 1.227
1400
1350
1300
1250
1200
1150
1100

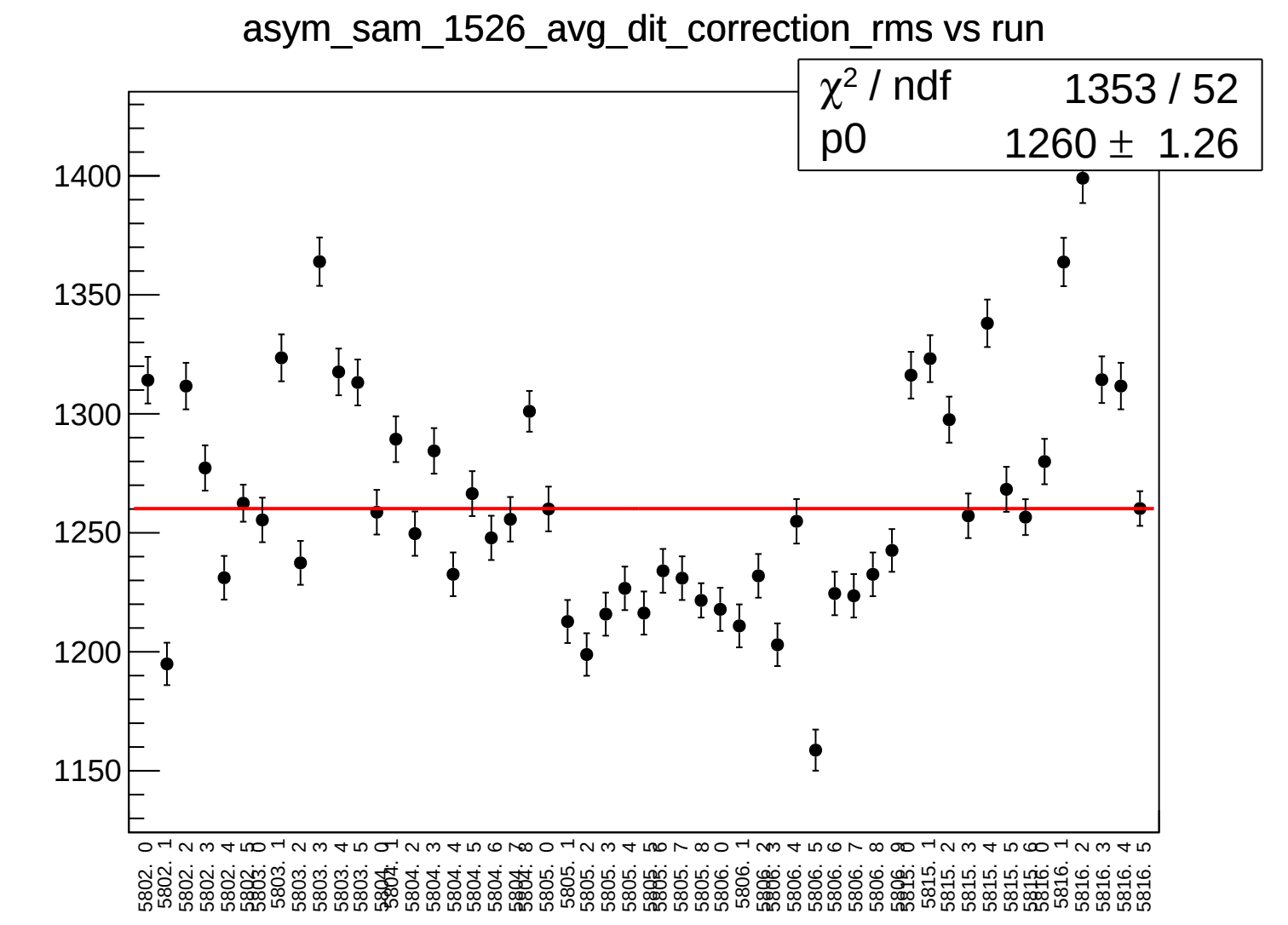

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 57.6 / 52
p0 194.4 ± 203.8
pull
Entries 53
Mean −172.3
Std Dev 0

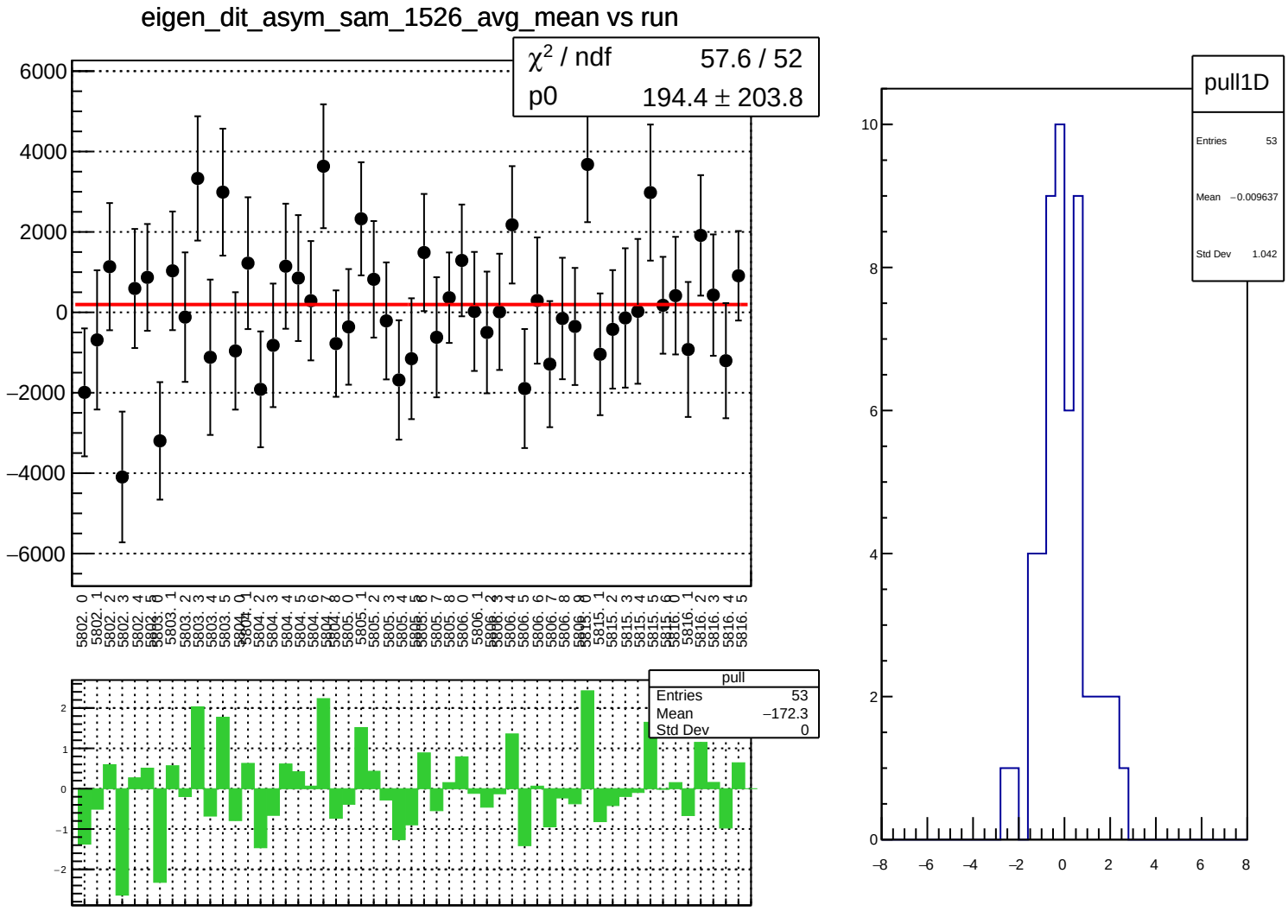

pull1D
Entries 53
Mean −0.009638
Std Dev 1.042

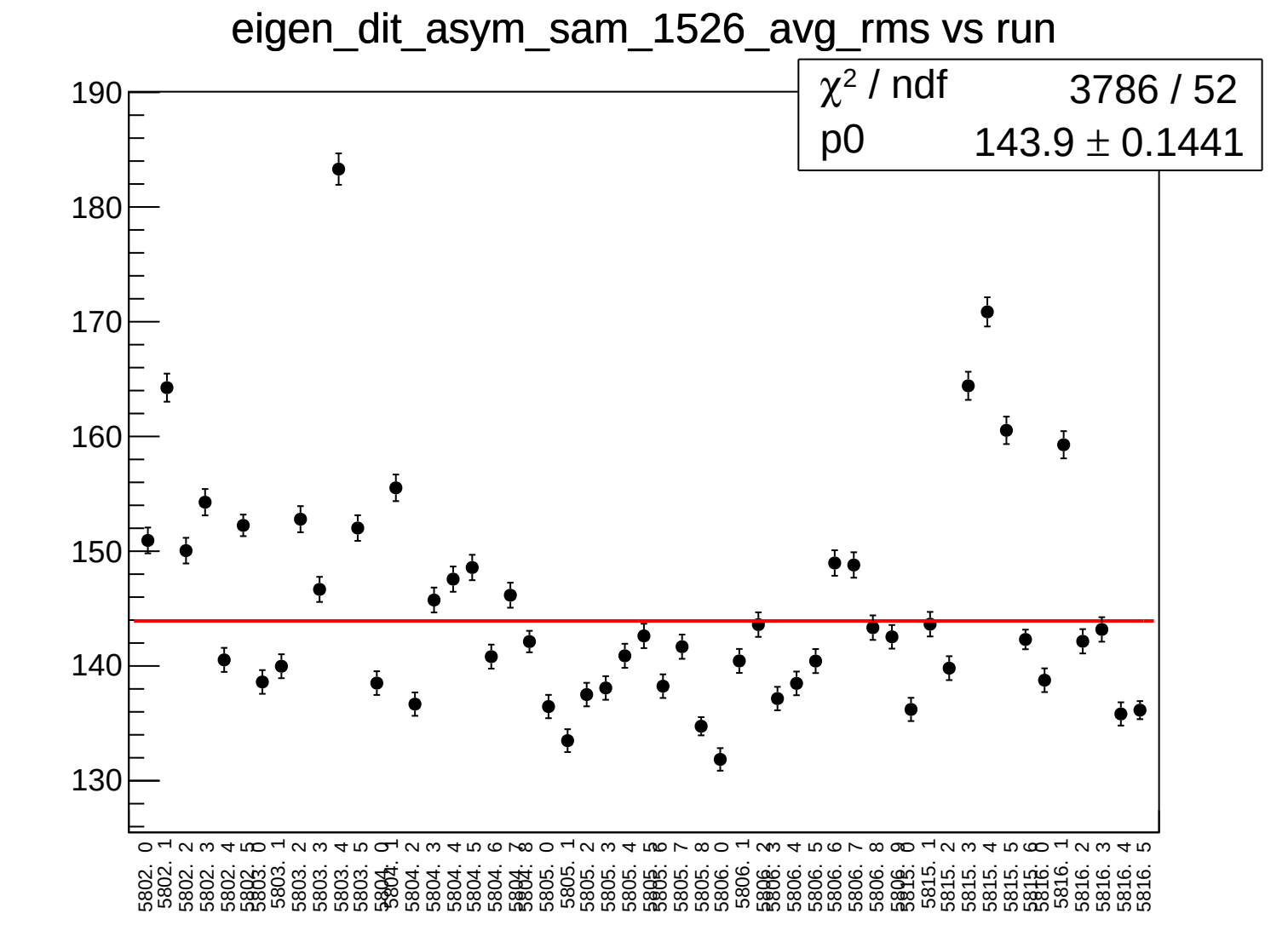

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3786 / 52
p0 143.9 ± 0.1441
190
180
170
160
150
140
130

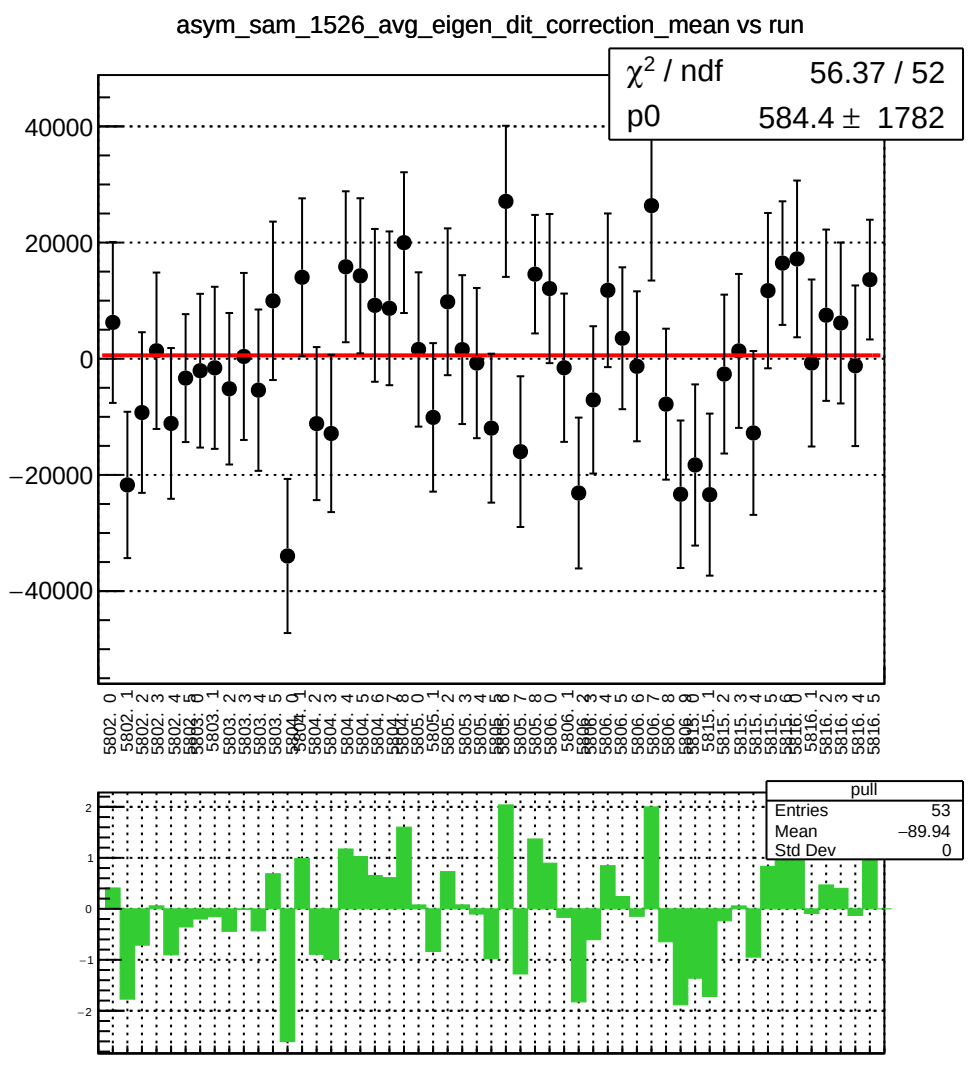

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 56.37 / 52
p0 584.4 ± 1782
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −89.94
Std Dev 0
2
1
0
−1
−2

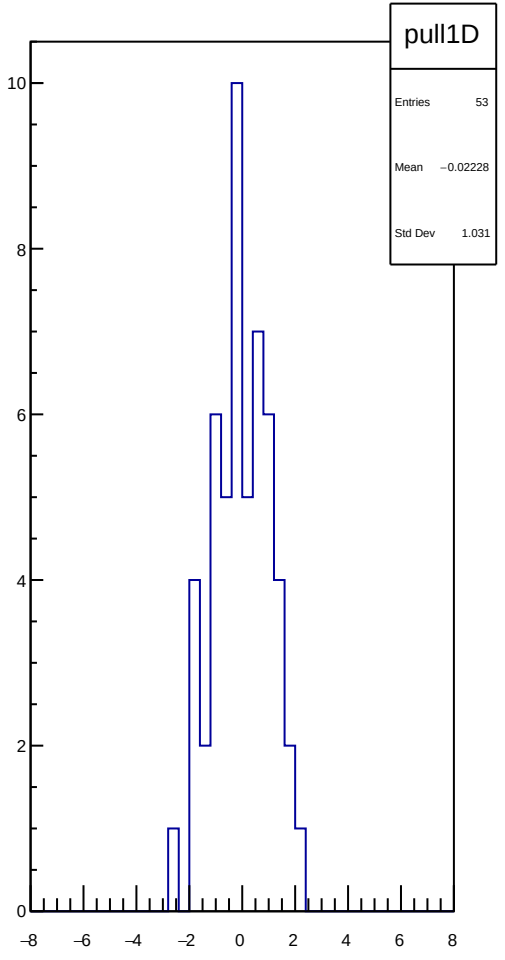

pull1D
Entries 53
Mean −0.02228
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

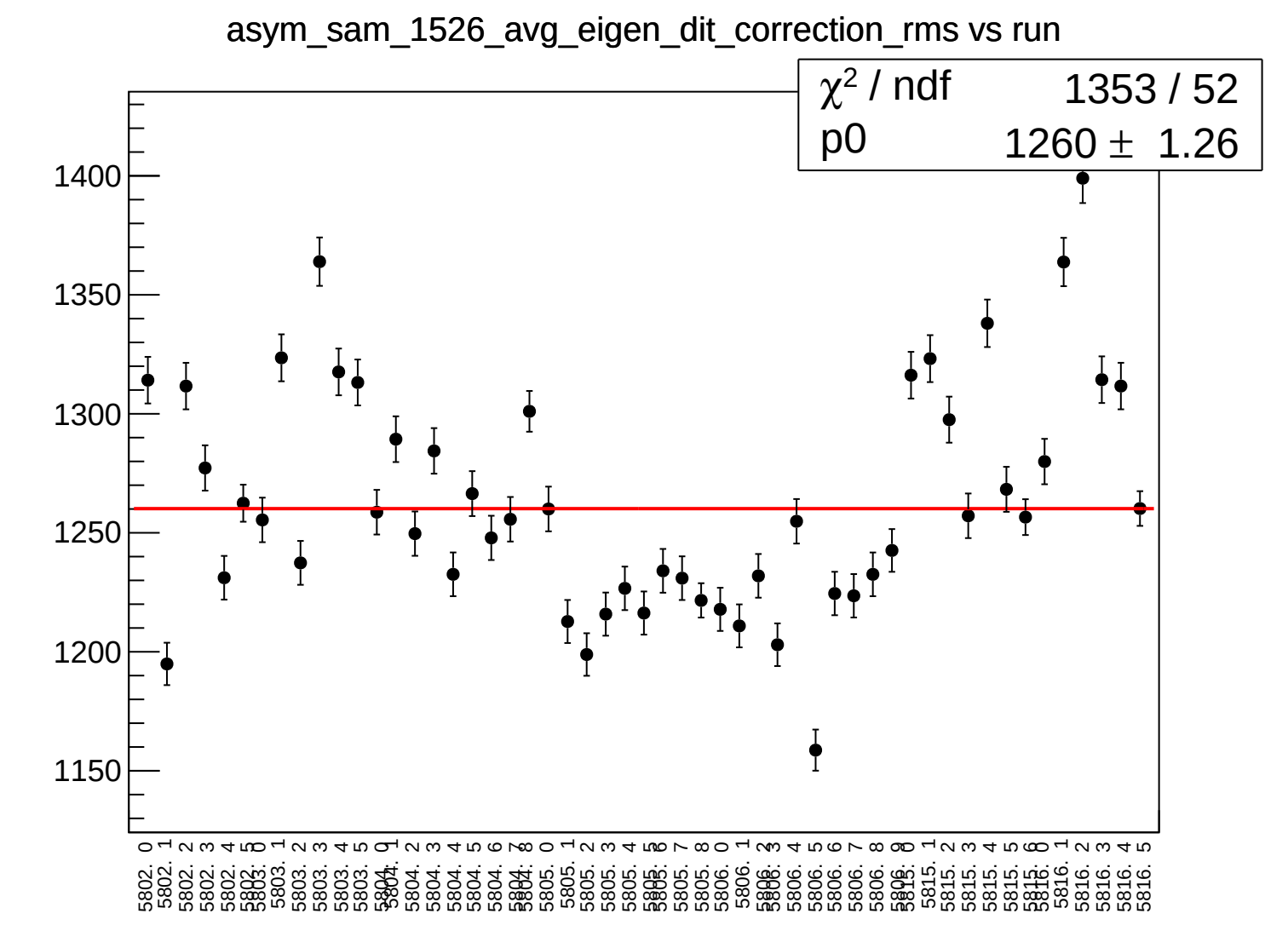

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1353 / 52
p0 1260 ± 1.26
1400
1350
1300
1250
1200
1150

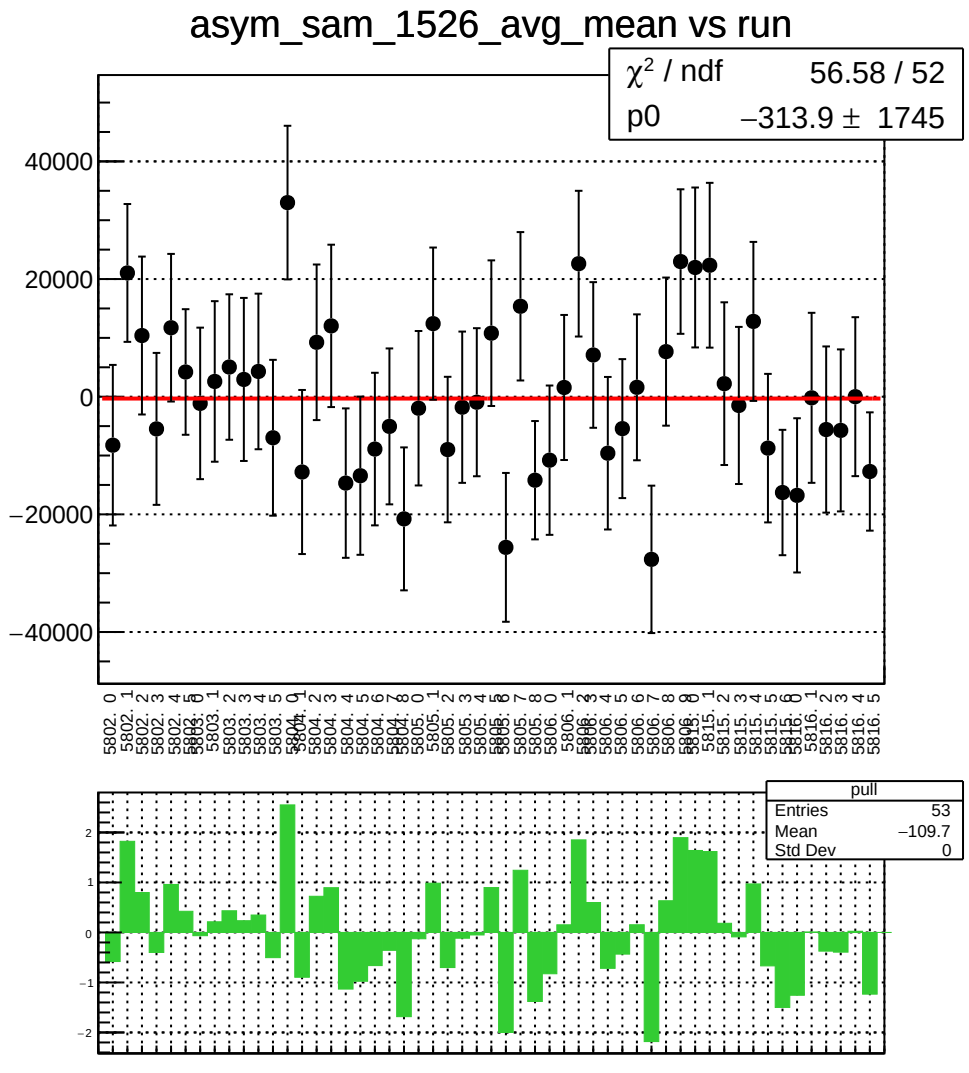

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 57.6 / 52
p0 194.4 ± 203.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −172.3
Std Dev 0
pull1D
Entries 53
Mean −0.009637
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

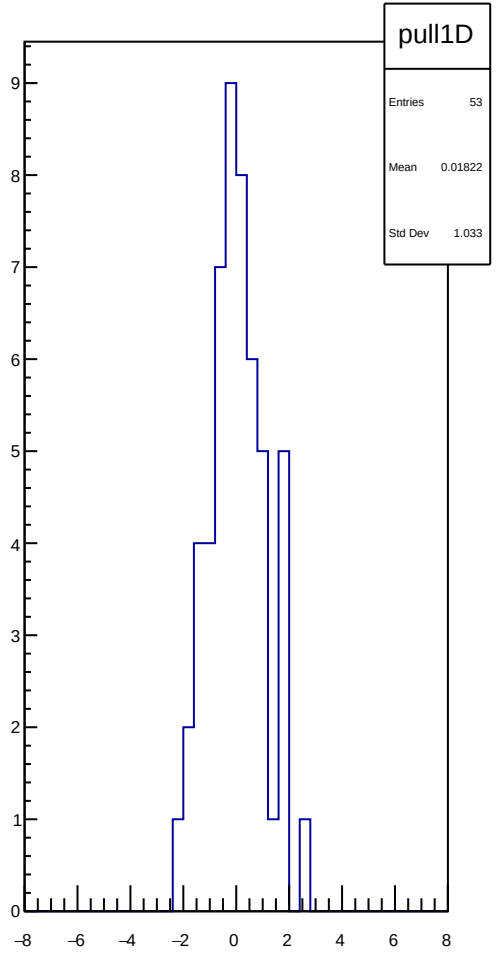

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3786 / 52
p0 143.9 ± 0.1441
190
180
170
160
150
140
130

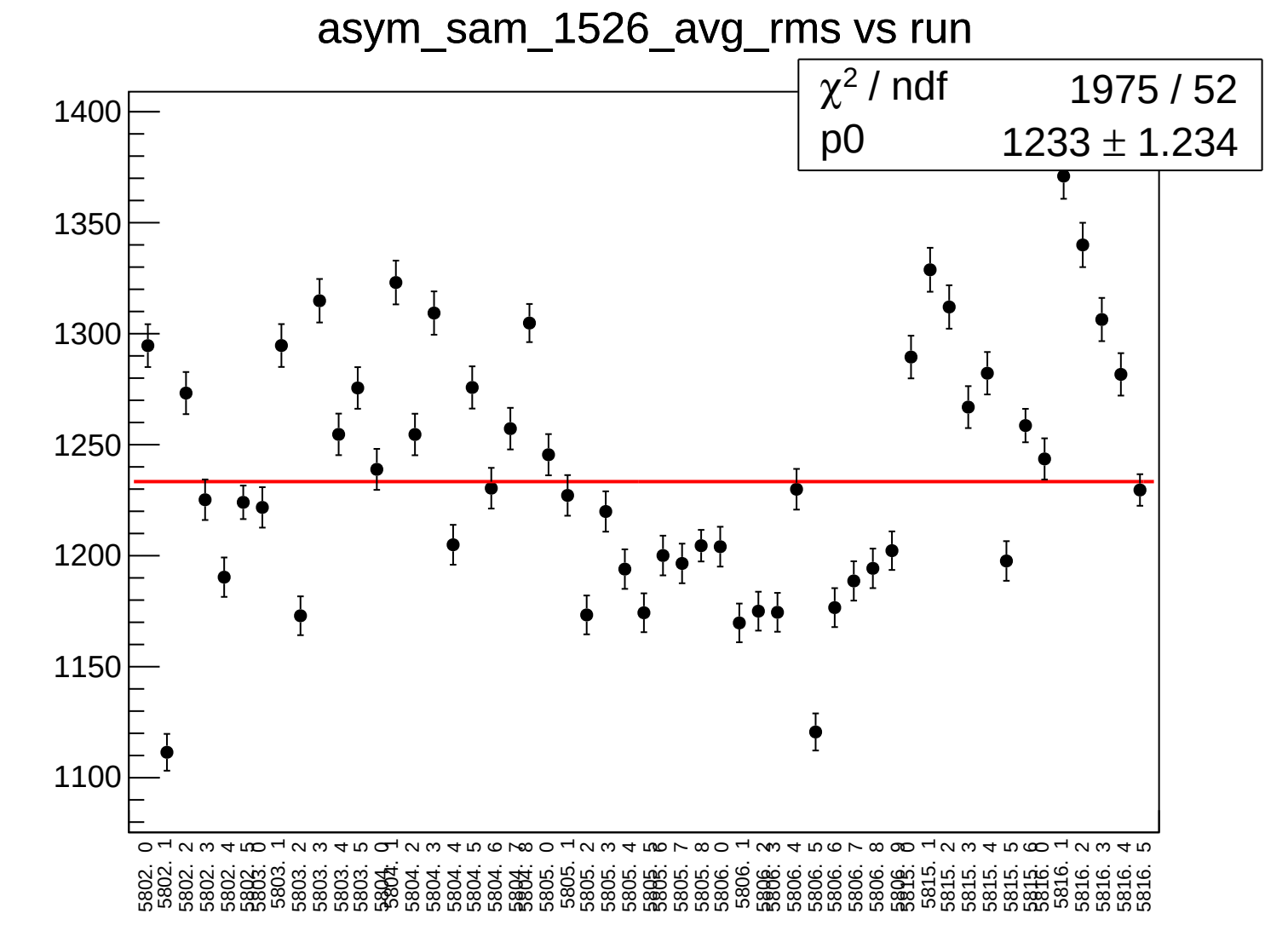

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.37 / 52
p0 584.4 ± 1782
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −89.94
Std Dev 0
2
1
0
−1
−2

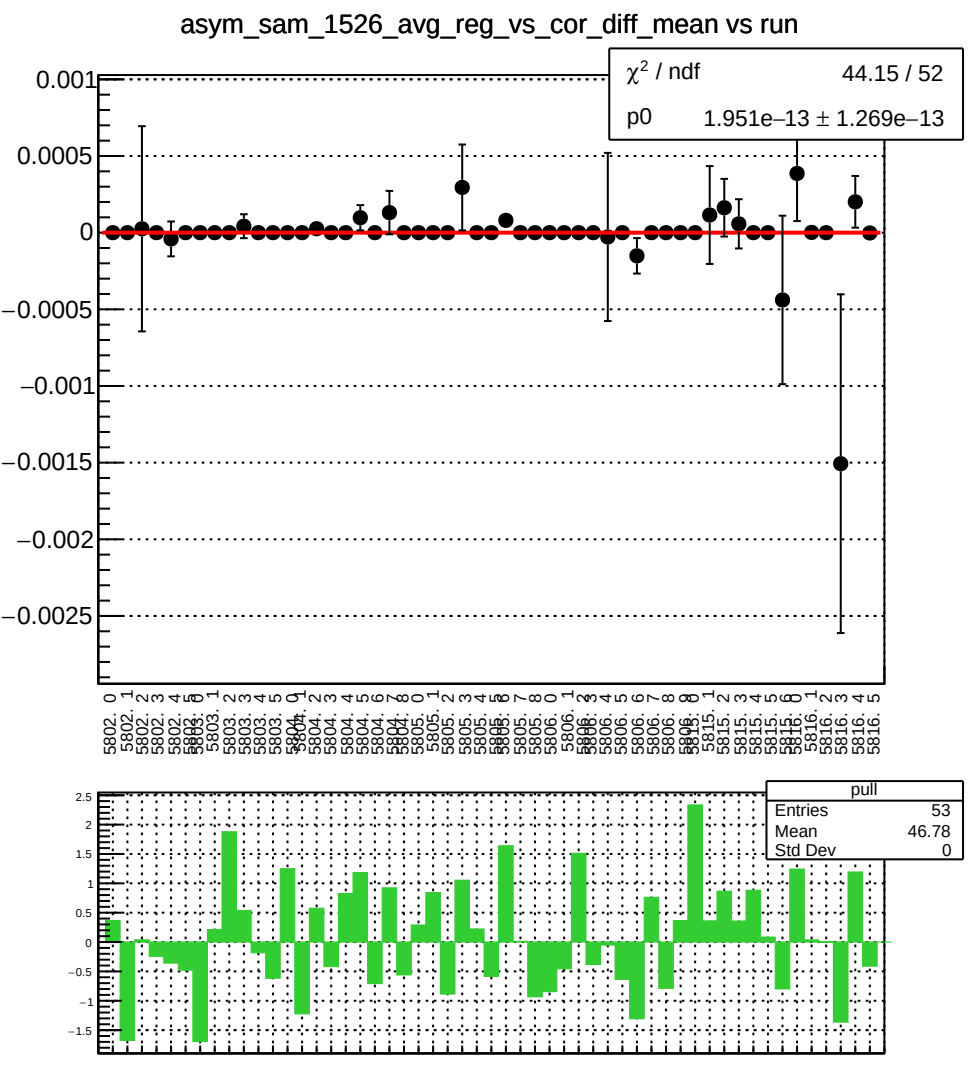

pull1D
Entries 53
Mean −0.02228
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

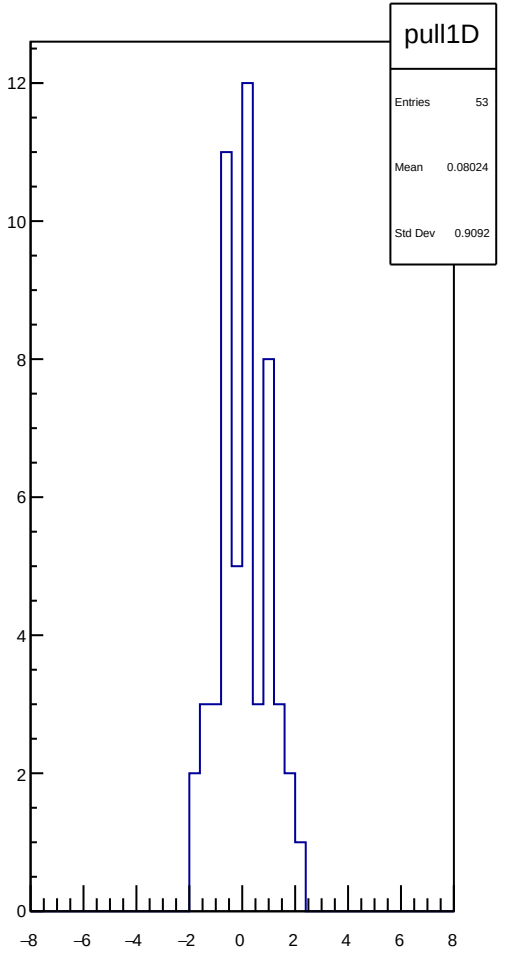

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1353 / 52
p0 1260 ± 1.26
1400
1350
1300
1250
1200
1150

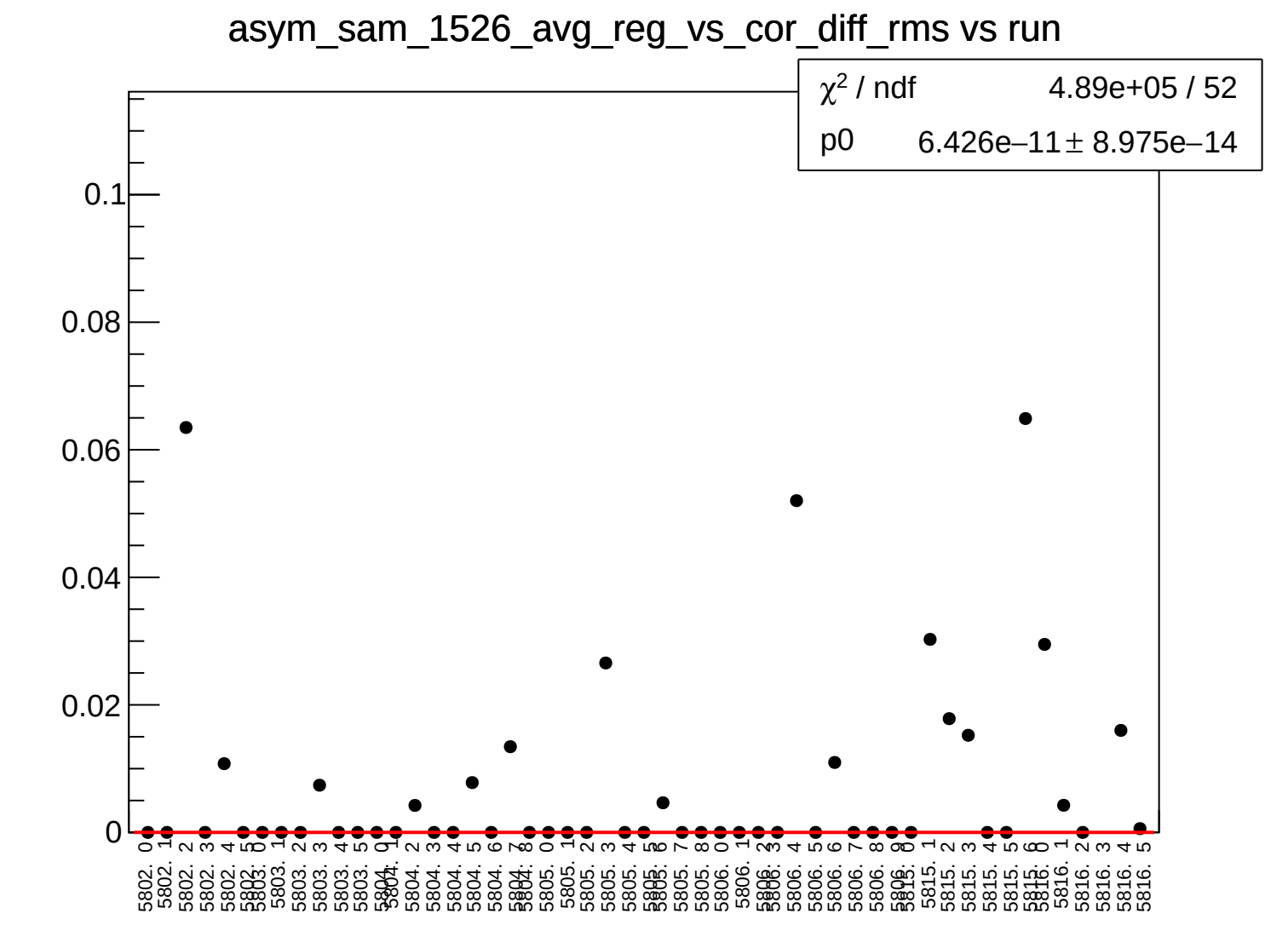

asym_sam_1526_avg_mean vs run
χ² / ndf 56.58 / 52
p0 −313.9 ± 1745
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −109.7
Std Dev 0
2
1
0
−1
−2

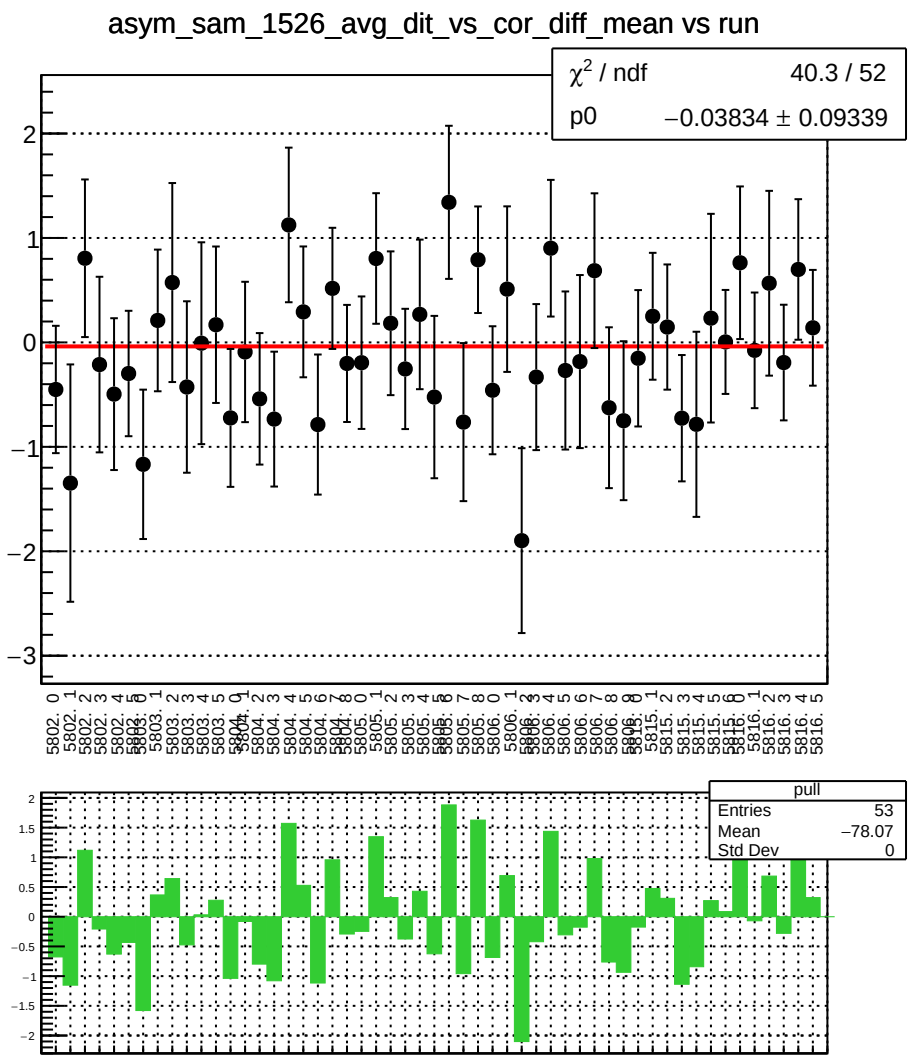

pull1D
Entries 53
Mean 0.01822
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

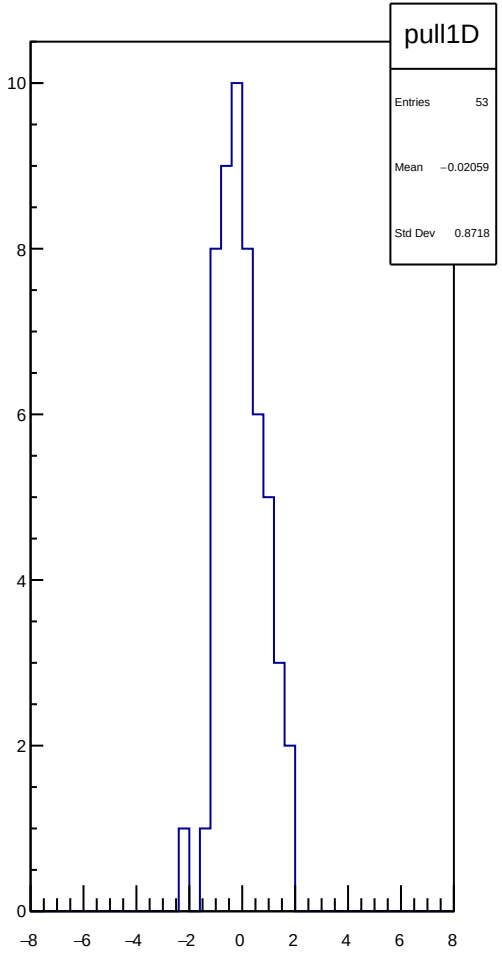

asym_sam_1526_avg_rms vs run
χ² / ndf 1975 / 52
p0 1233 ± 1.234
1400
1350
1300
1250
1200
1150
1100

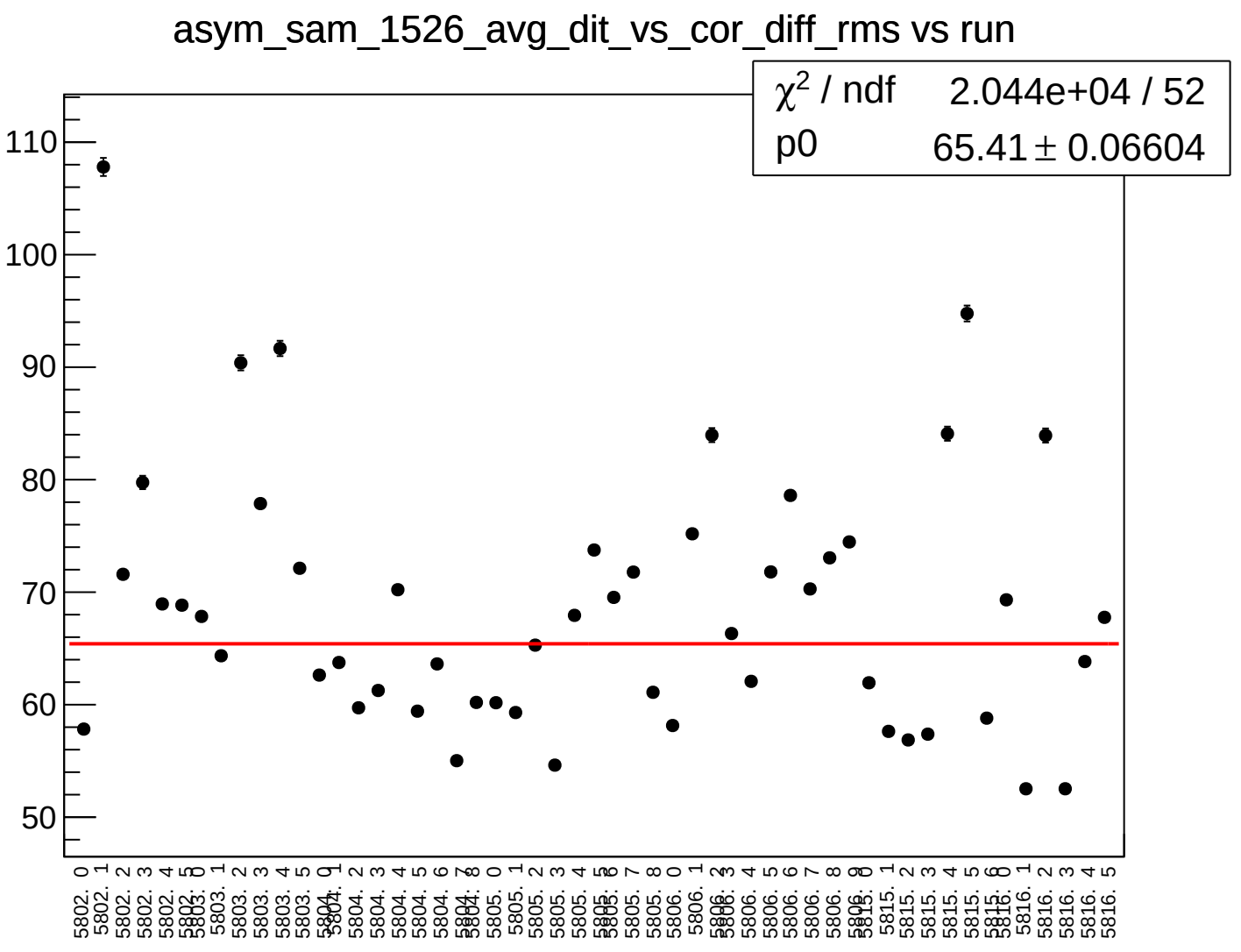

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.15 / 52
p0 1.951e−13 ± 1.269e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 53
Mean 46.78
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

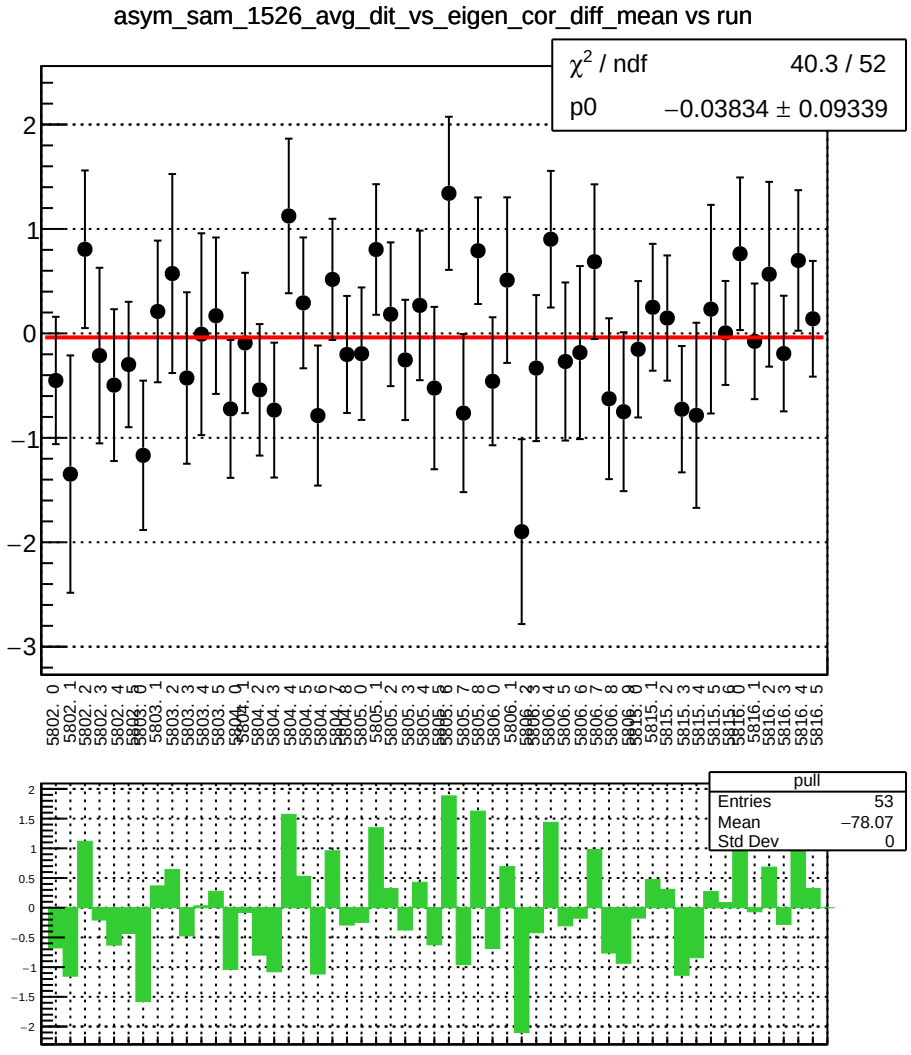

pull1D
Entries 53
Mean 0.08024
Std Dev 0.9092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

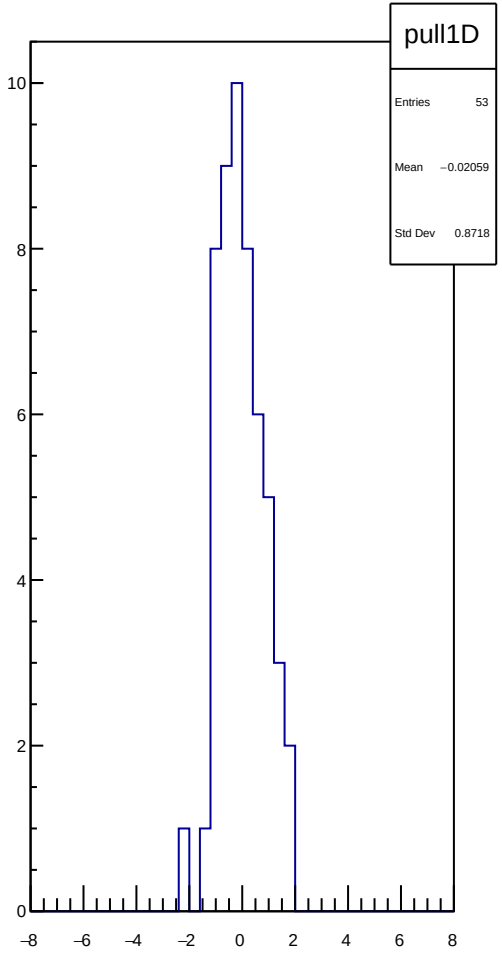

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.89e+05 / 52
p0 6.426e−11 ± 8.975e−14
0.1
0.08
0.06
0.04
0.02
0

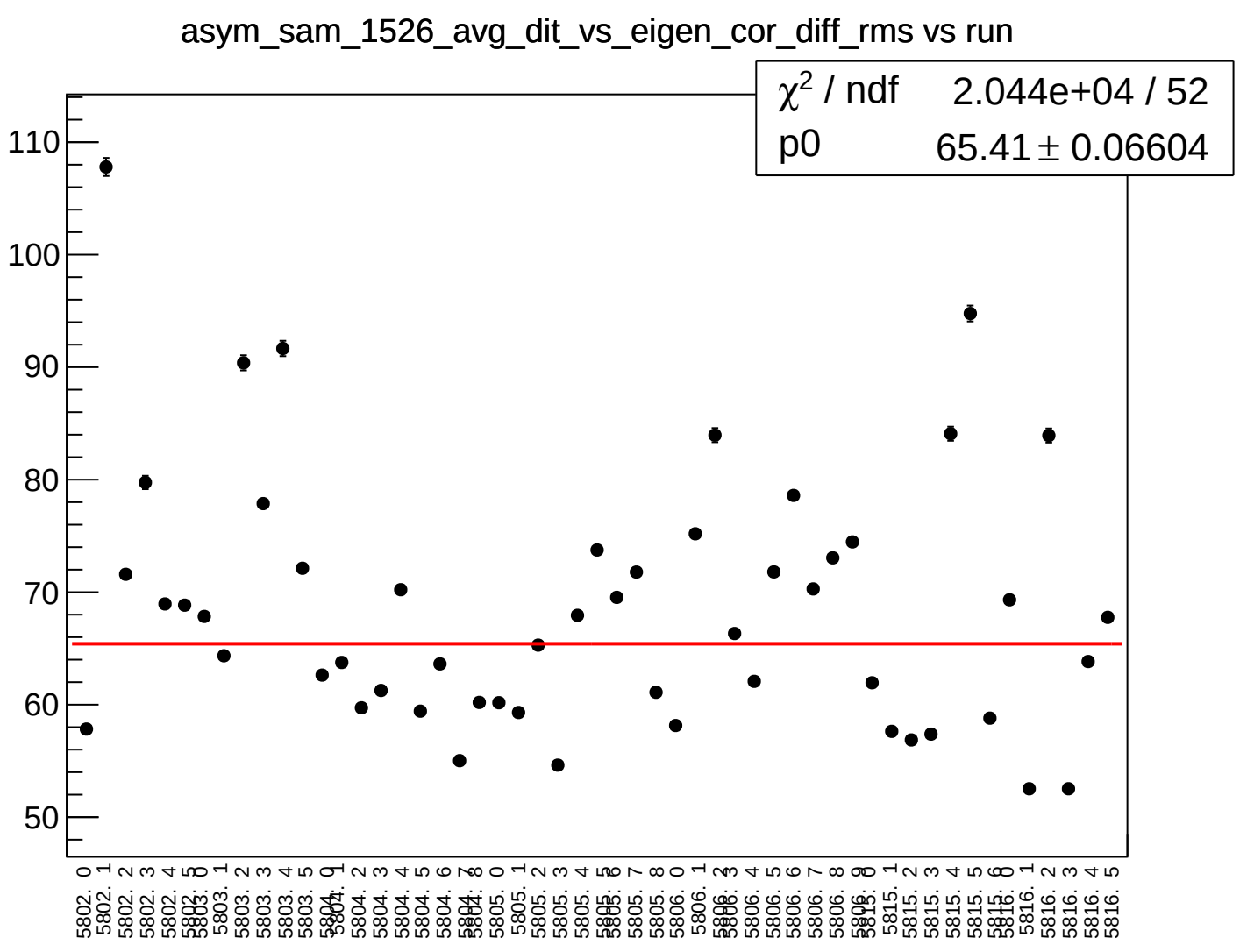

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.3 / 52
p0 −0.03834 ± 0.09339
pull
Entries 53
Mean −78.07
Std Dev 0

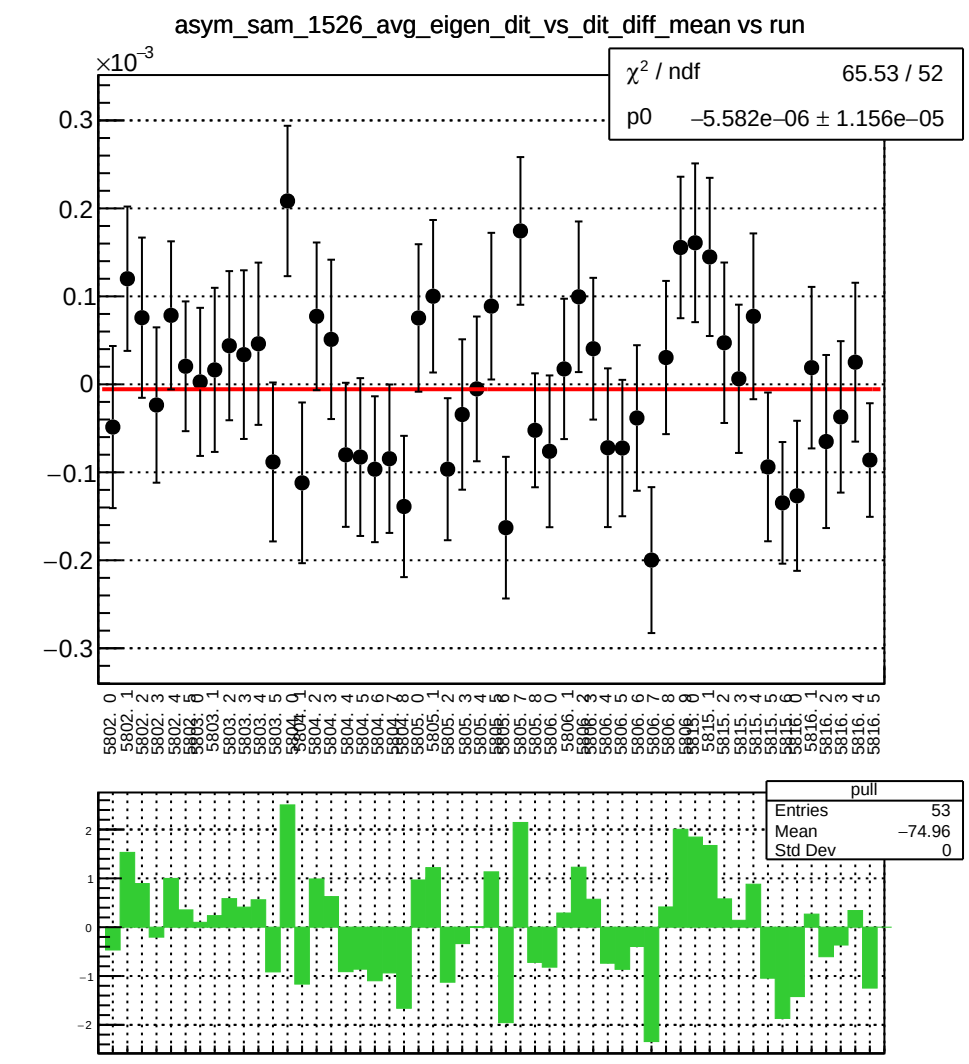

pull1D
Entries 53
Mean −0.02059
Std Dev 0.8718

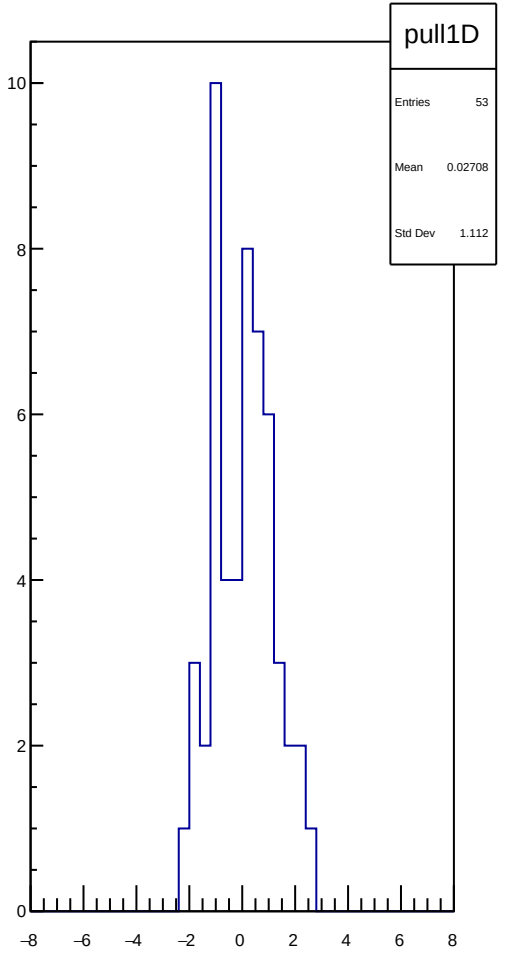

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.044e+04 / 52
p0 65.41 ± 0.06604
110
100
90
80
70
60
50

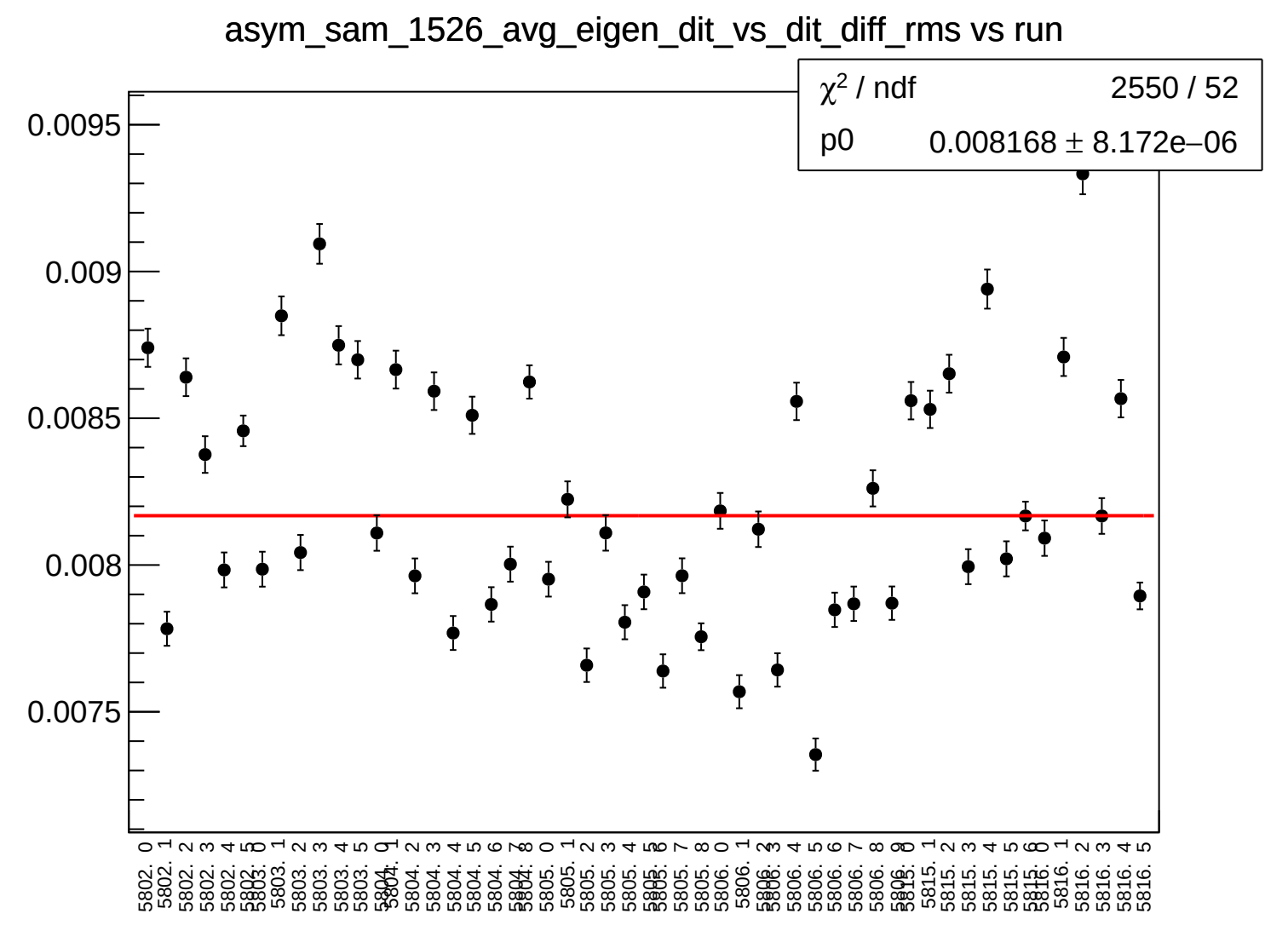

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.3 / 52
p0 −0.03834 ± 0.09339
pull
Entries 53
Mean −78.07
Std Dev 0

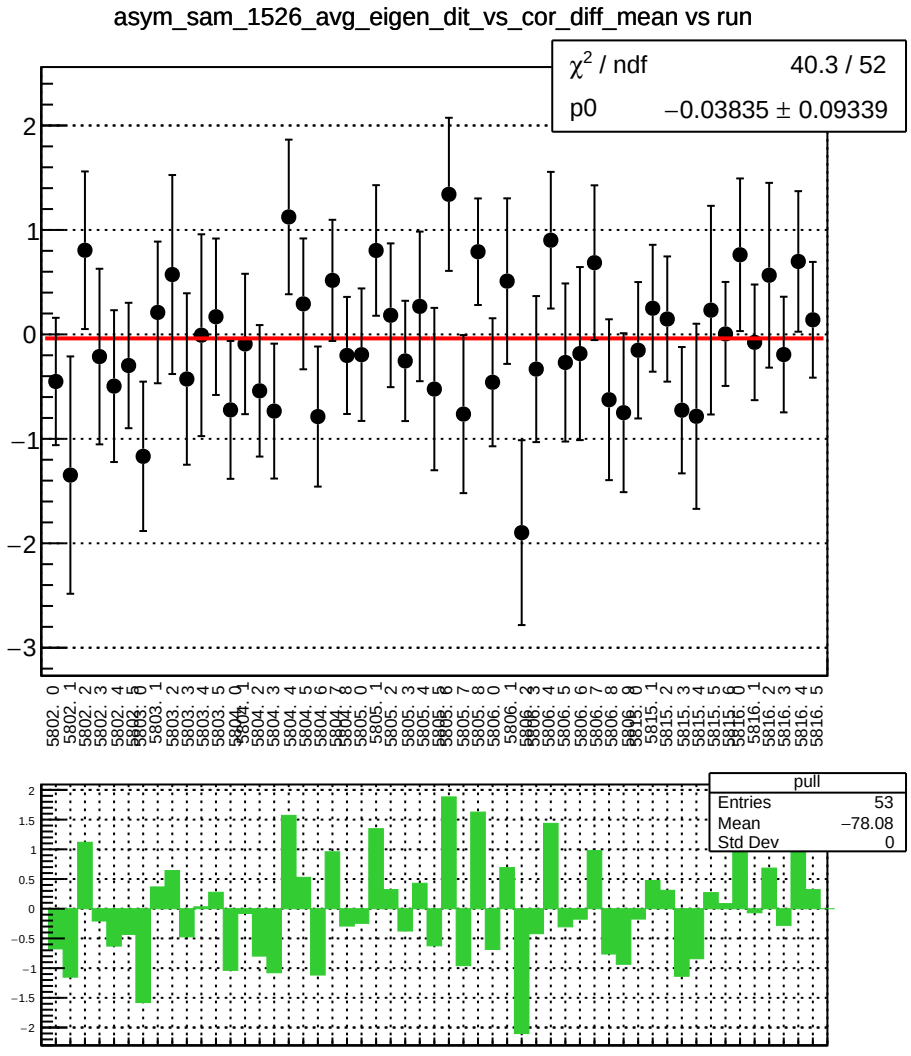

pull1D
Entries 53
Mean −0.02059
Std Dev 0.8718

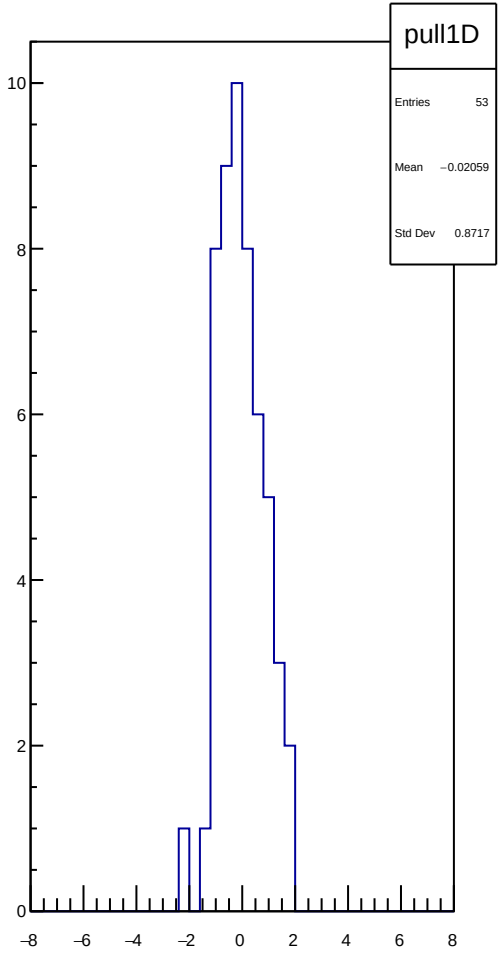

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.044e+04 / 52
p0 65.41 ± 0.06604
110
100
90
80
70
60
50

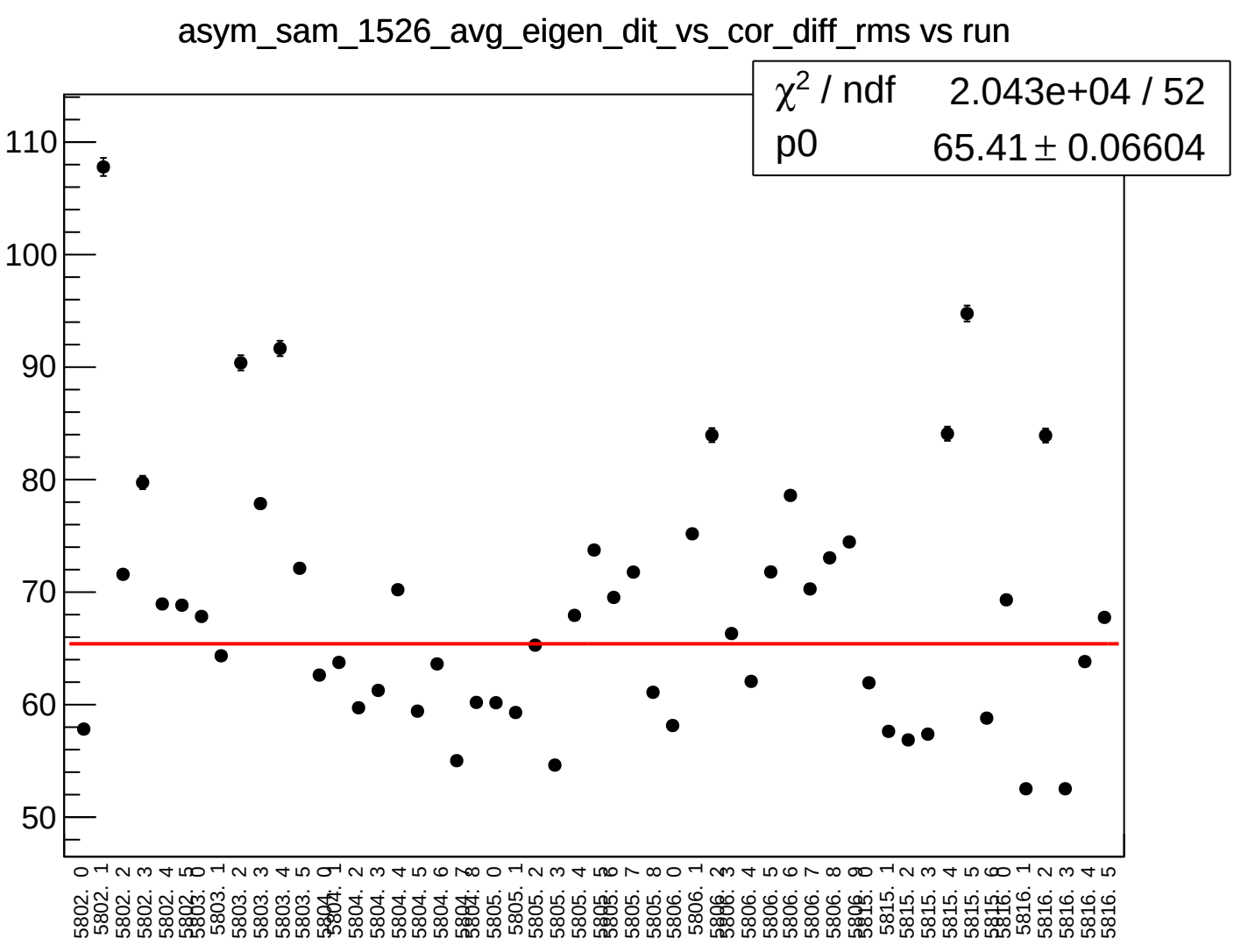

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.53 / 52
p0 −5.582e−06 ± 1.156e−05
pull
Entries 53
Mean −74.96
Std Dev 0

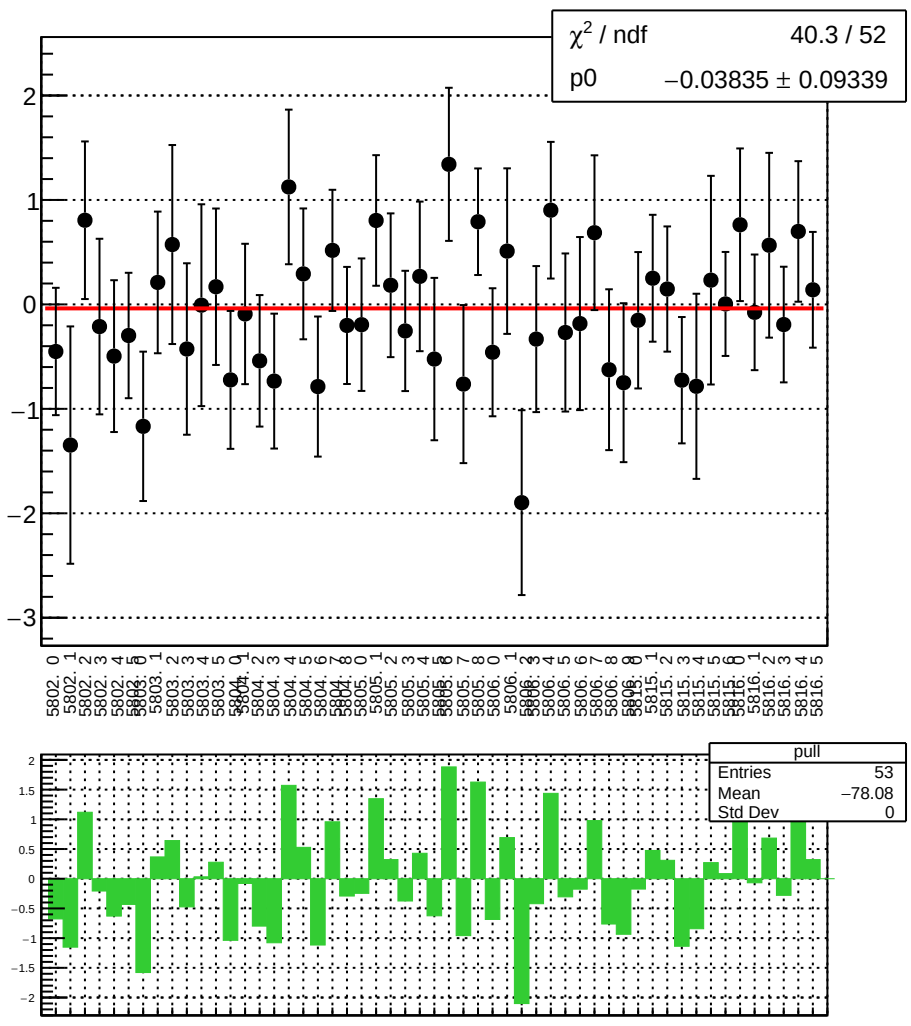

pull1D
Entries 53
Mean 0.02708
Std Dev 1.112

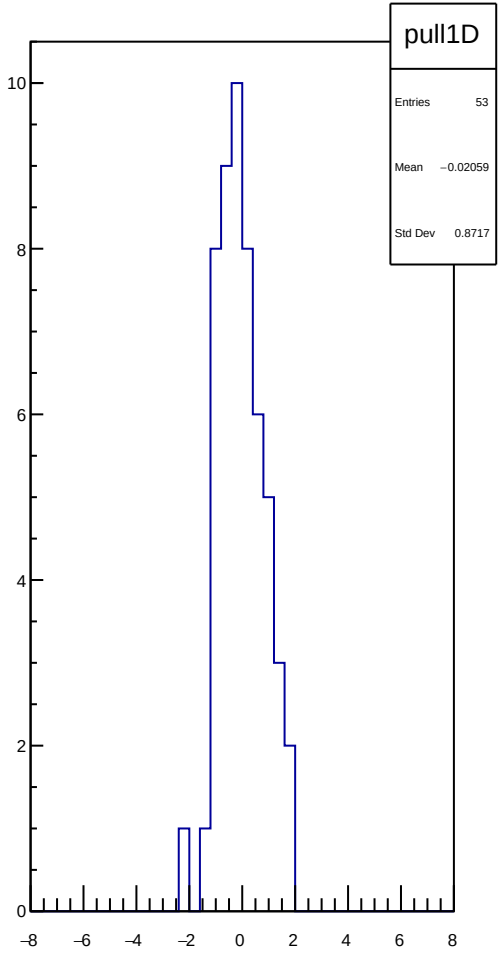

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2550 / 52
p0 0.008168 ± 8.172e−06
0.0095
0.009
0.0085
0.008
0.0075

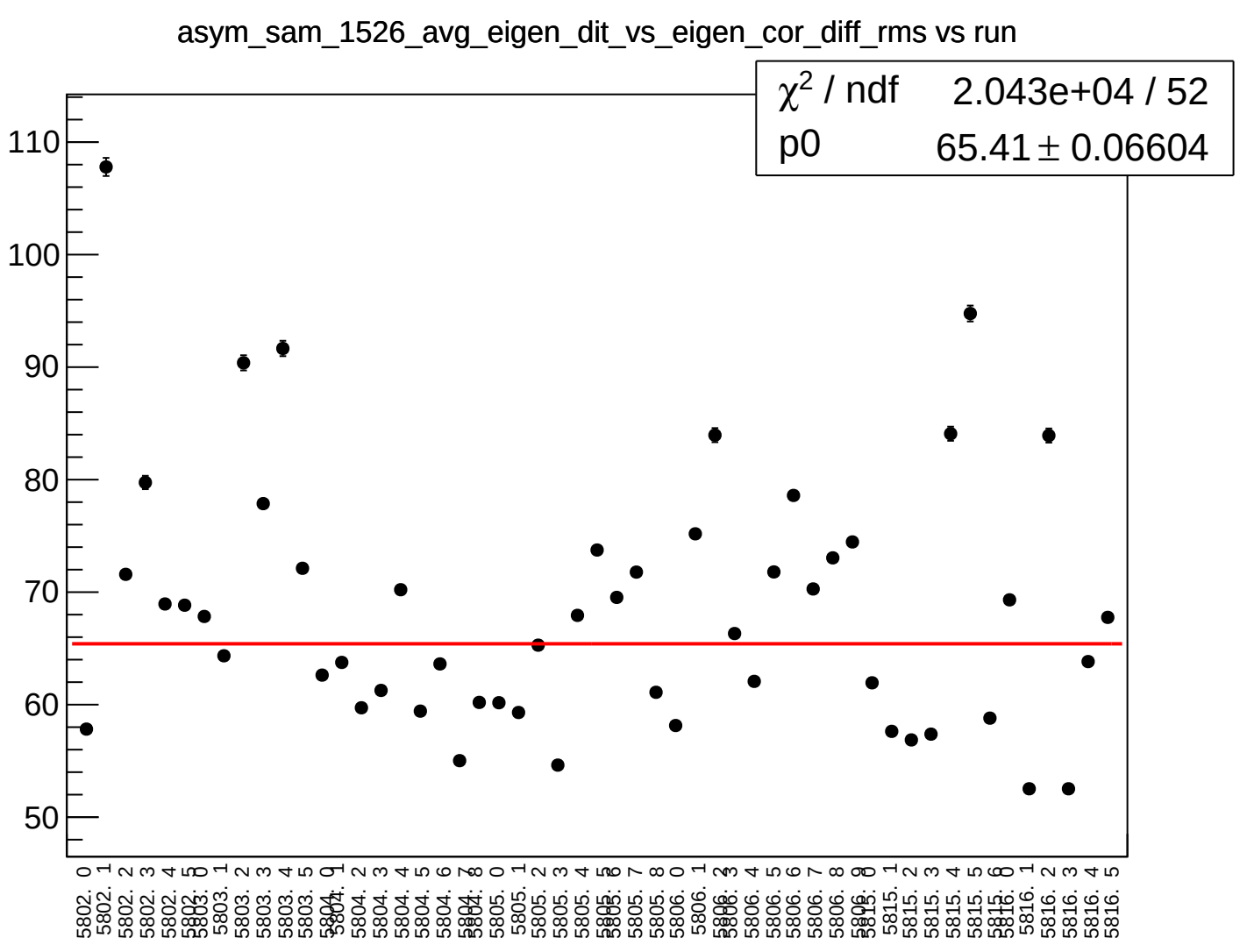

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.3 / 52
p0 −0.03835 ± 0.09339
pull
Entries 53
Mean −78.08
Std Dev 0

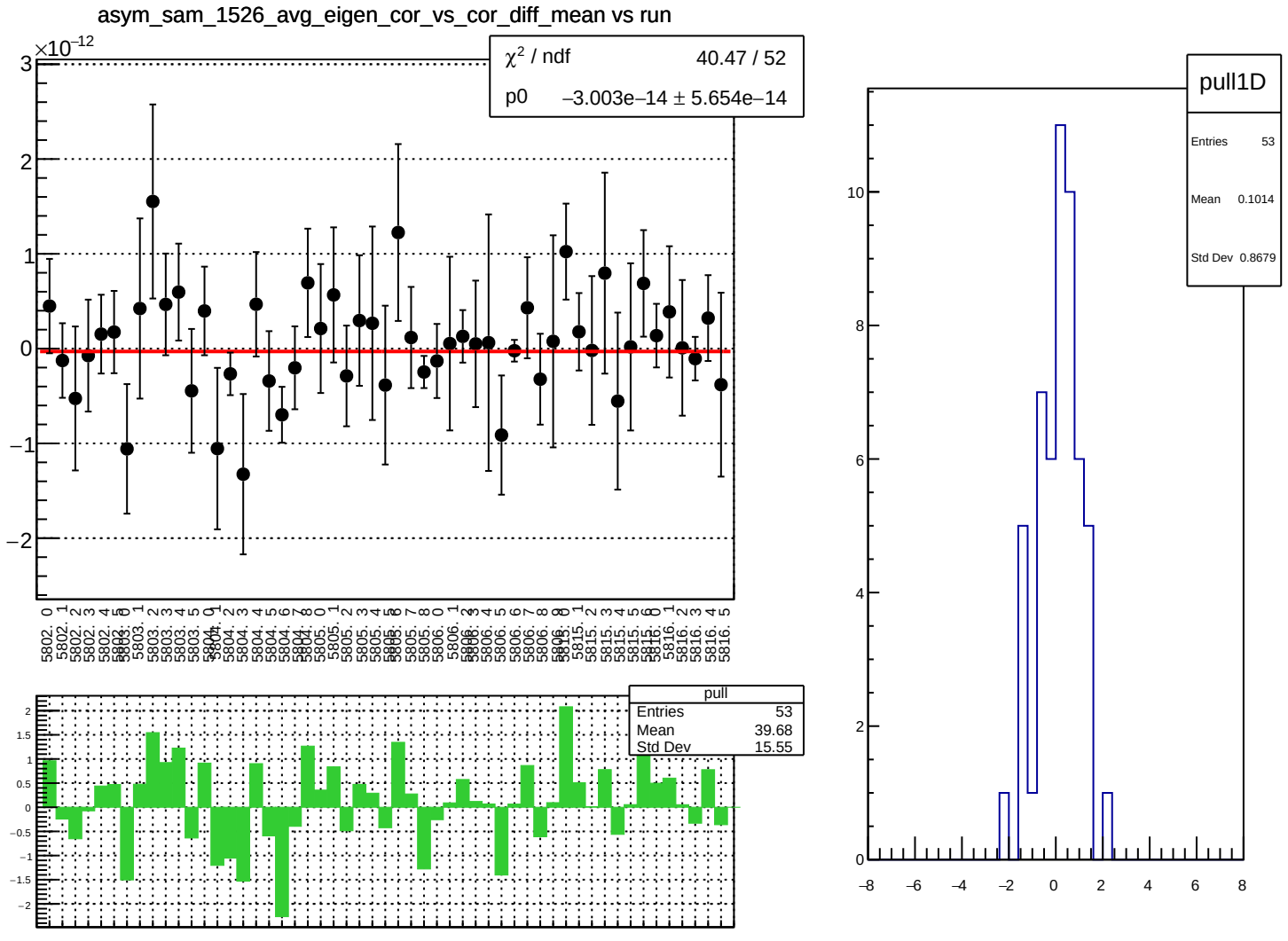

pull1D
Entries 53
Mean −0.02059
Std Dev 0.8717

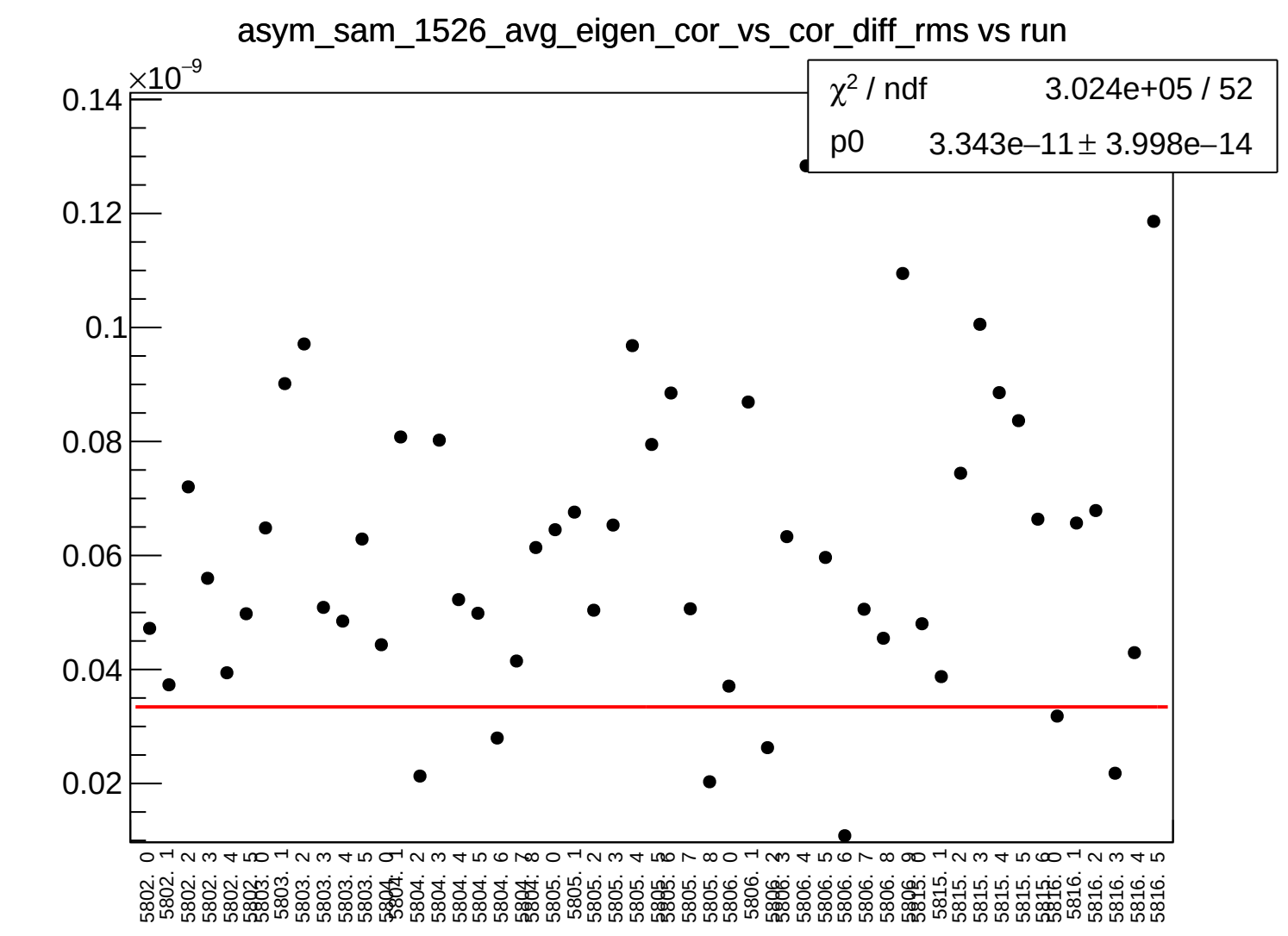

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.043e+04 / 52
p0 65.41 ± 0.06604
110
100
90
80
70
60
50

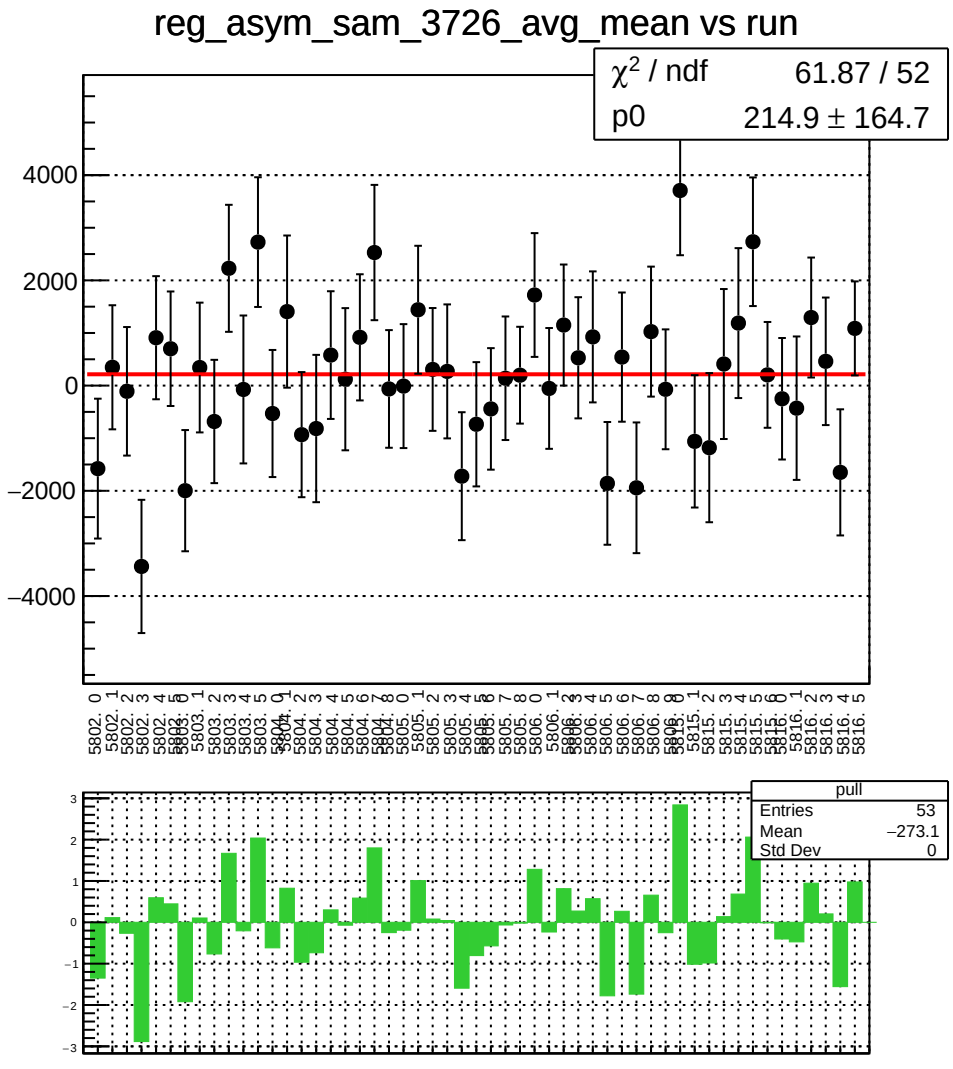

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.3 / 52
p0 −0.03835 ± 0.09339
pull
Entries 53
Mean −78.08
Std Dev 0

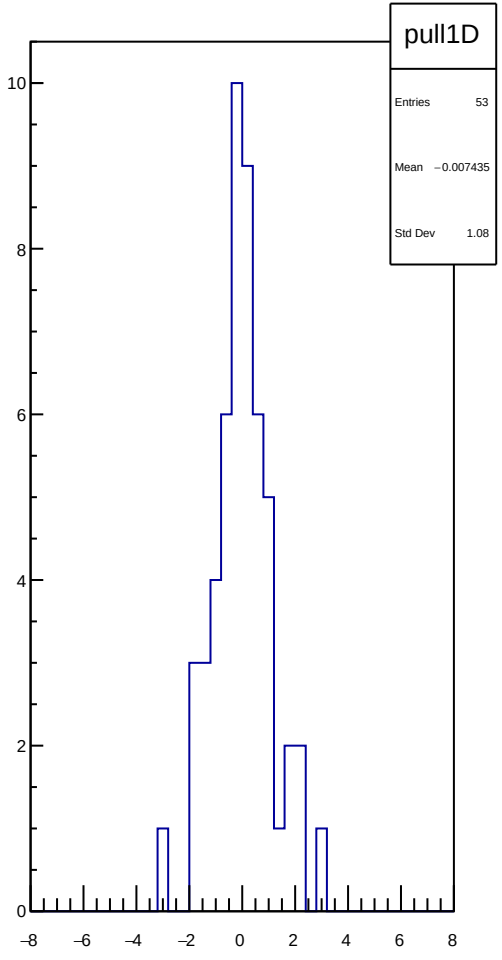

pull1D
Entries 53
Mean −0.02059
Std Dev 0.8717

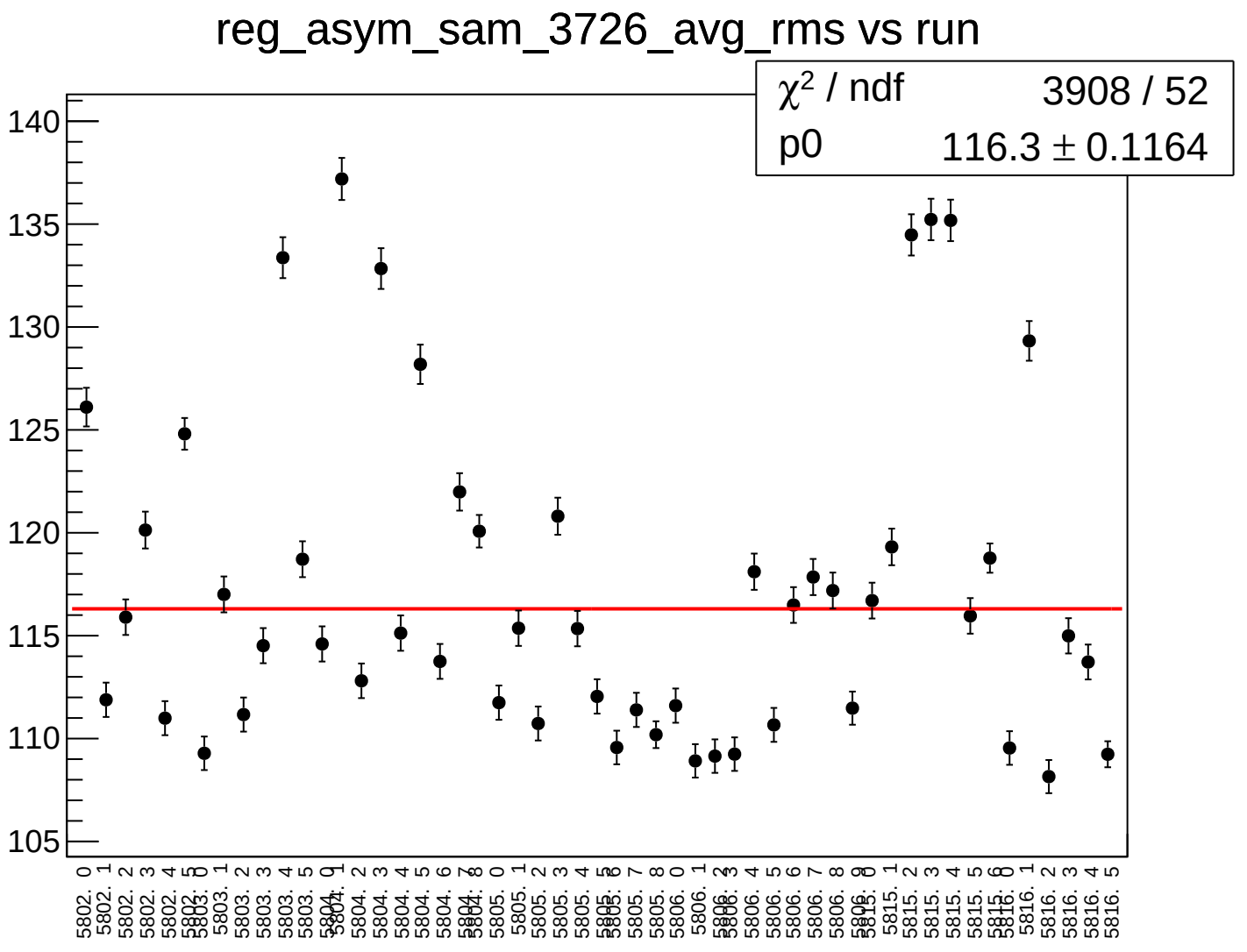

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.043e+04 / 52
p0 65.41 ± 0.06604
110
100
90
80
70
60
50

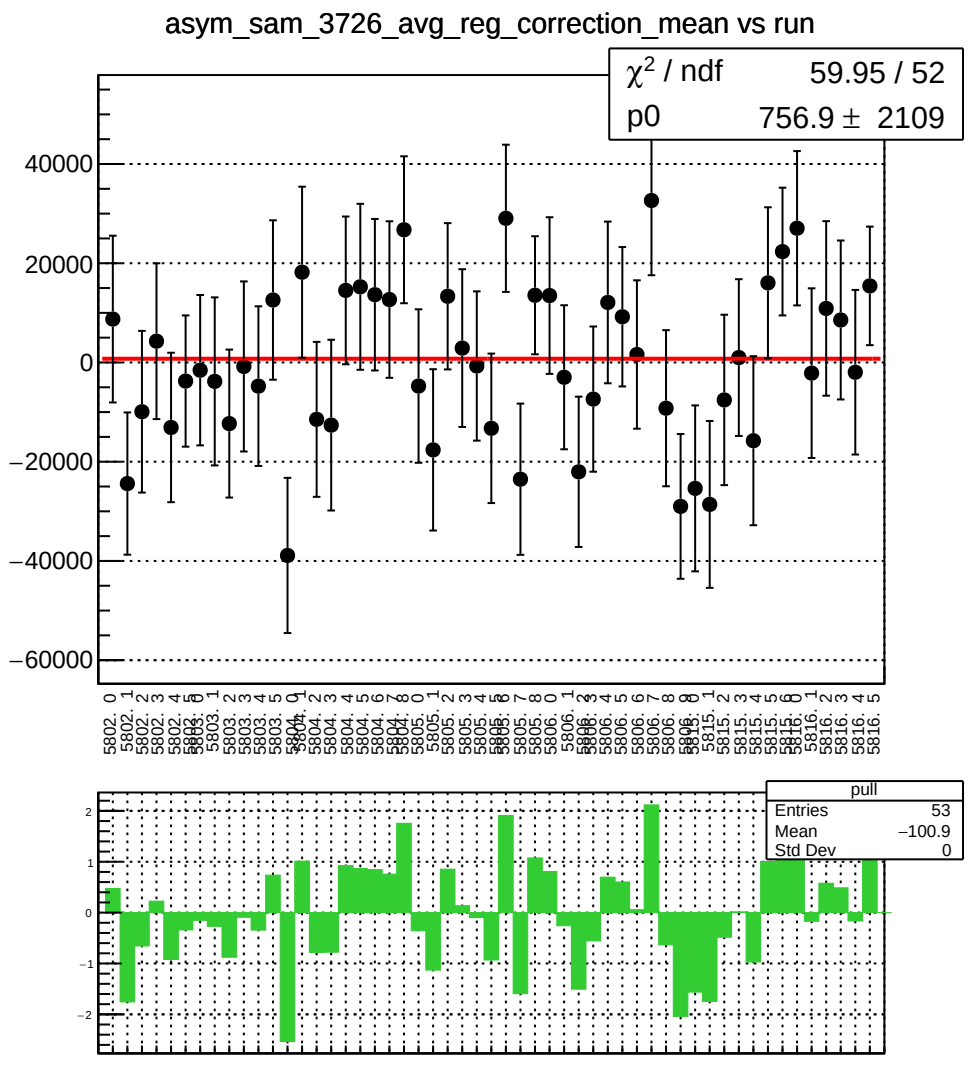

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.47 / 52
p0 −3.003e−14 ± 5.654e−14
pull
Entries 53
Mean 39.68
Std Dev 15.55
pull1D
Entries 53
Mean 0.1014
Std Dev 0.8679

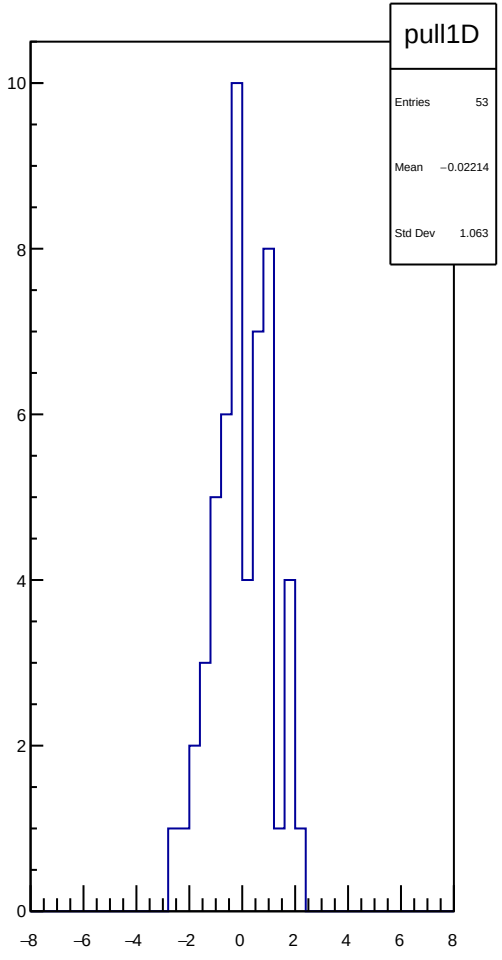

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.024e+05 / 52
p0 3.343e−11 ± 3.998e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

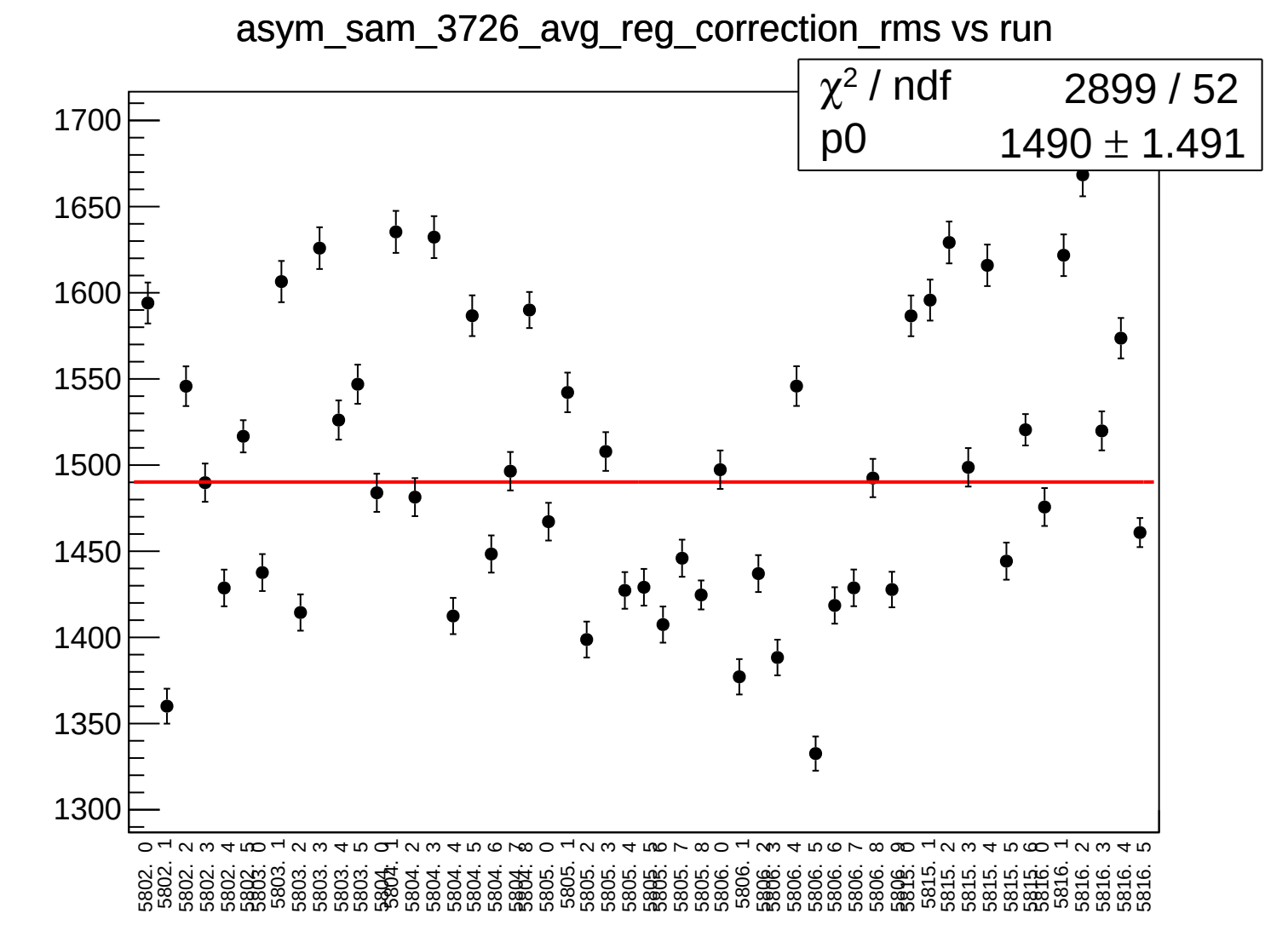

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 61.87 / 52
p0 214.9 ± 164.7
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −273.1
Std Dev 0
3
2
1
0
−1
−2
−3

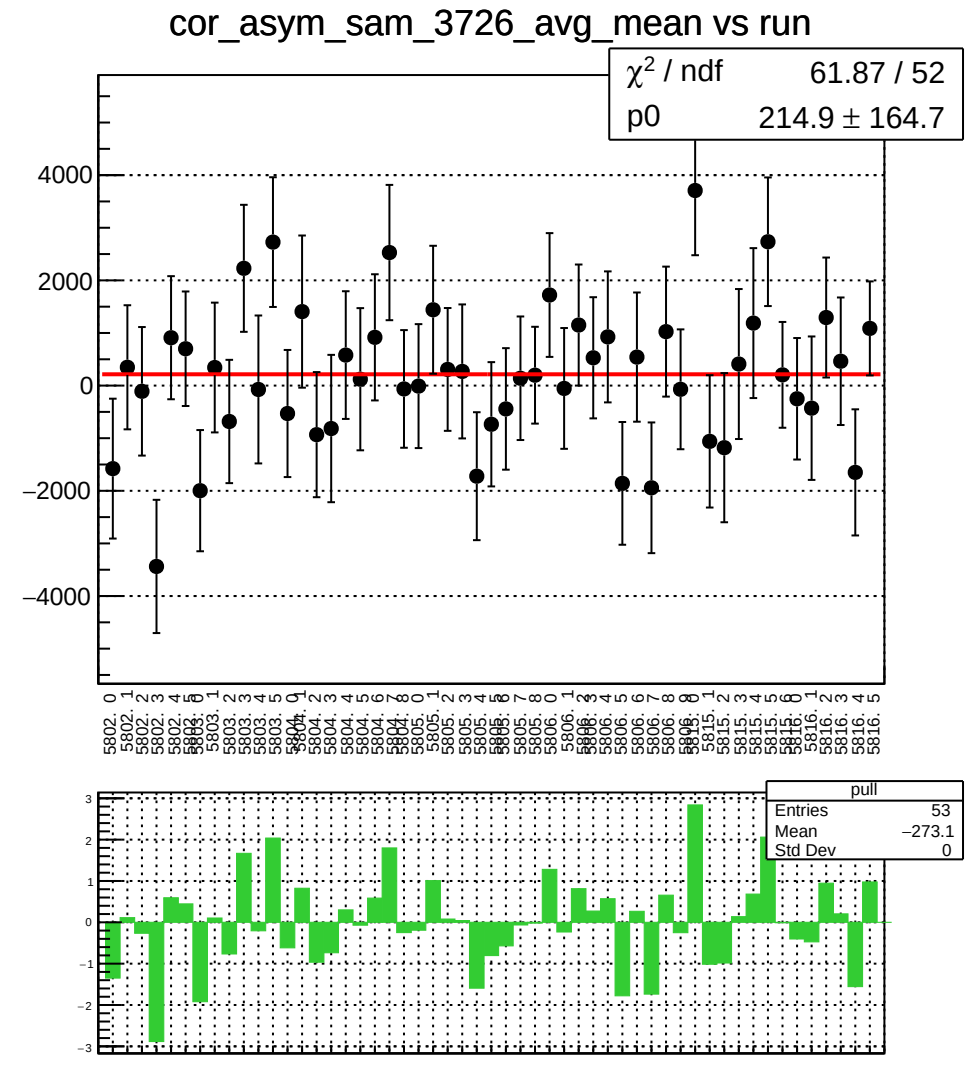

pull1D
Entries 53
Mean −0.007435
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

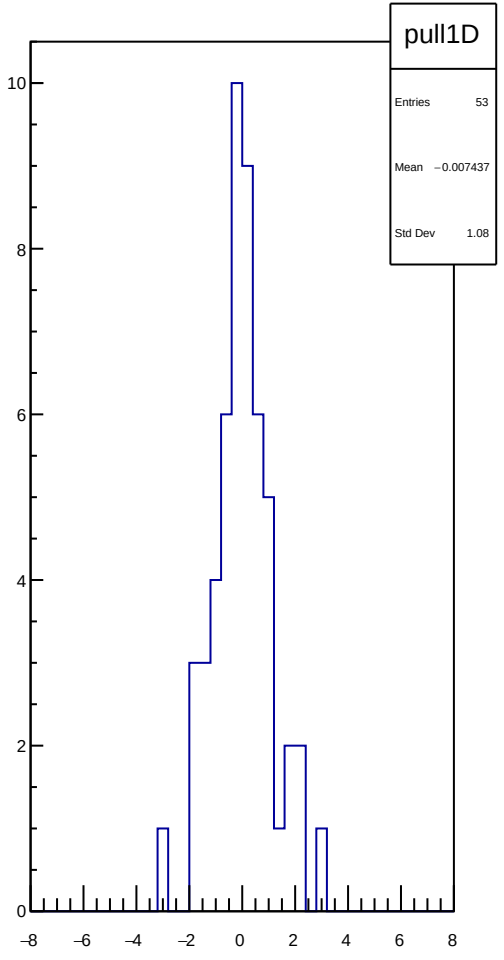

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3908 / 52
p0 116.3 ± 0.1164
140
135
130
125
120
115
110
105
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

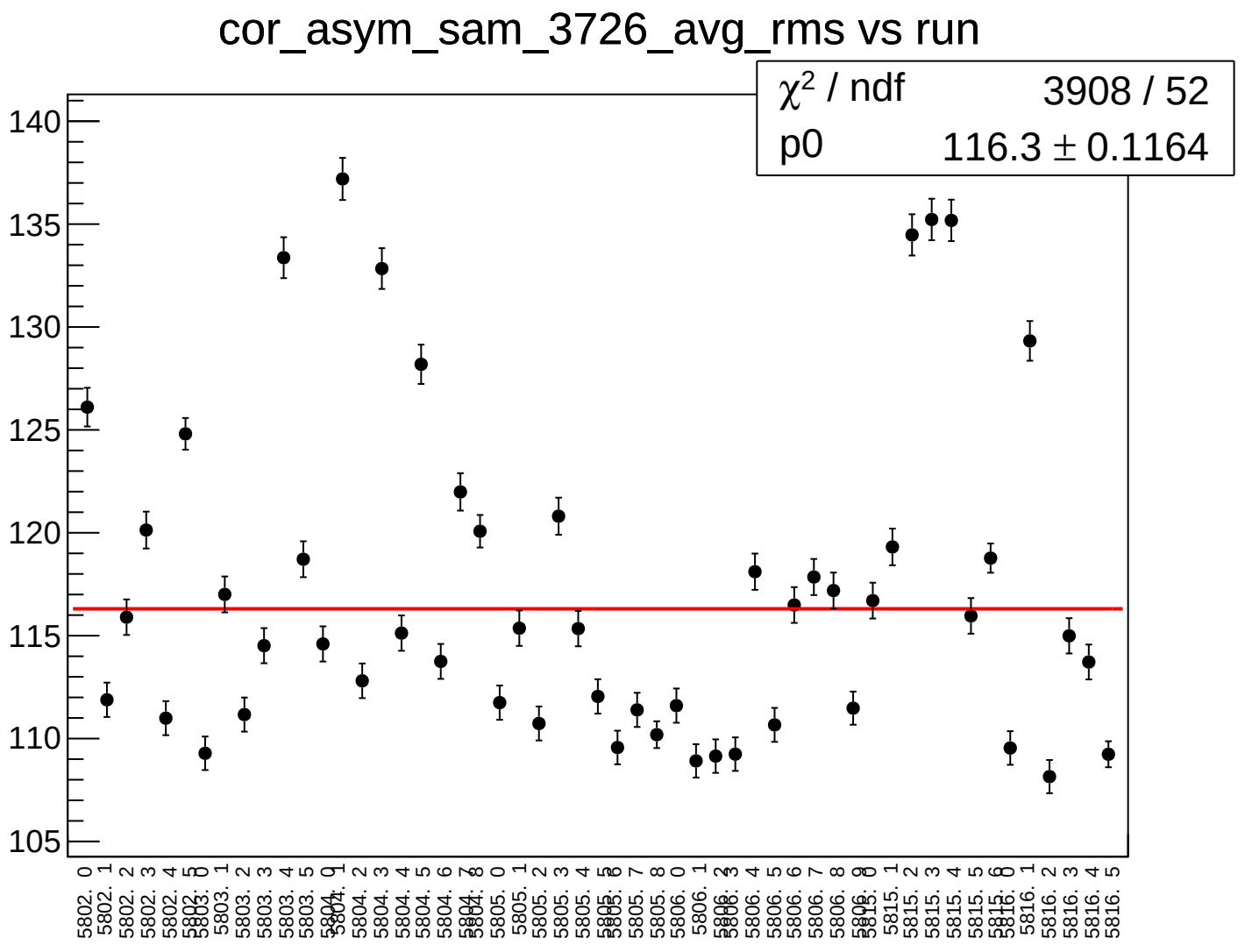

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 59.95 / 52
p0 756.9 ± 2109
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −100.9
Std Dev 0
2
1
0
−1
−2

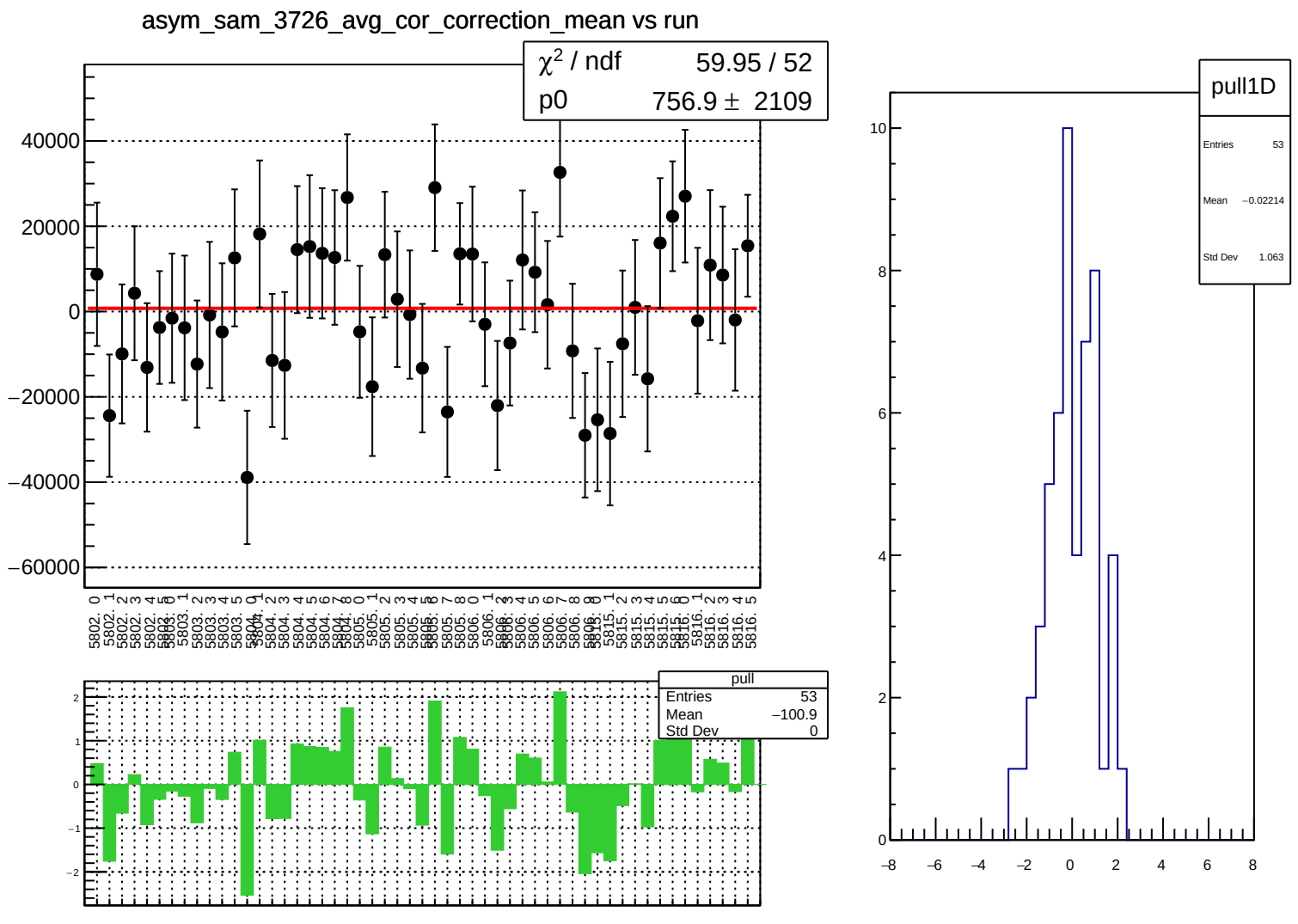

pull1D
Entries 53
Mean −0.02214
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

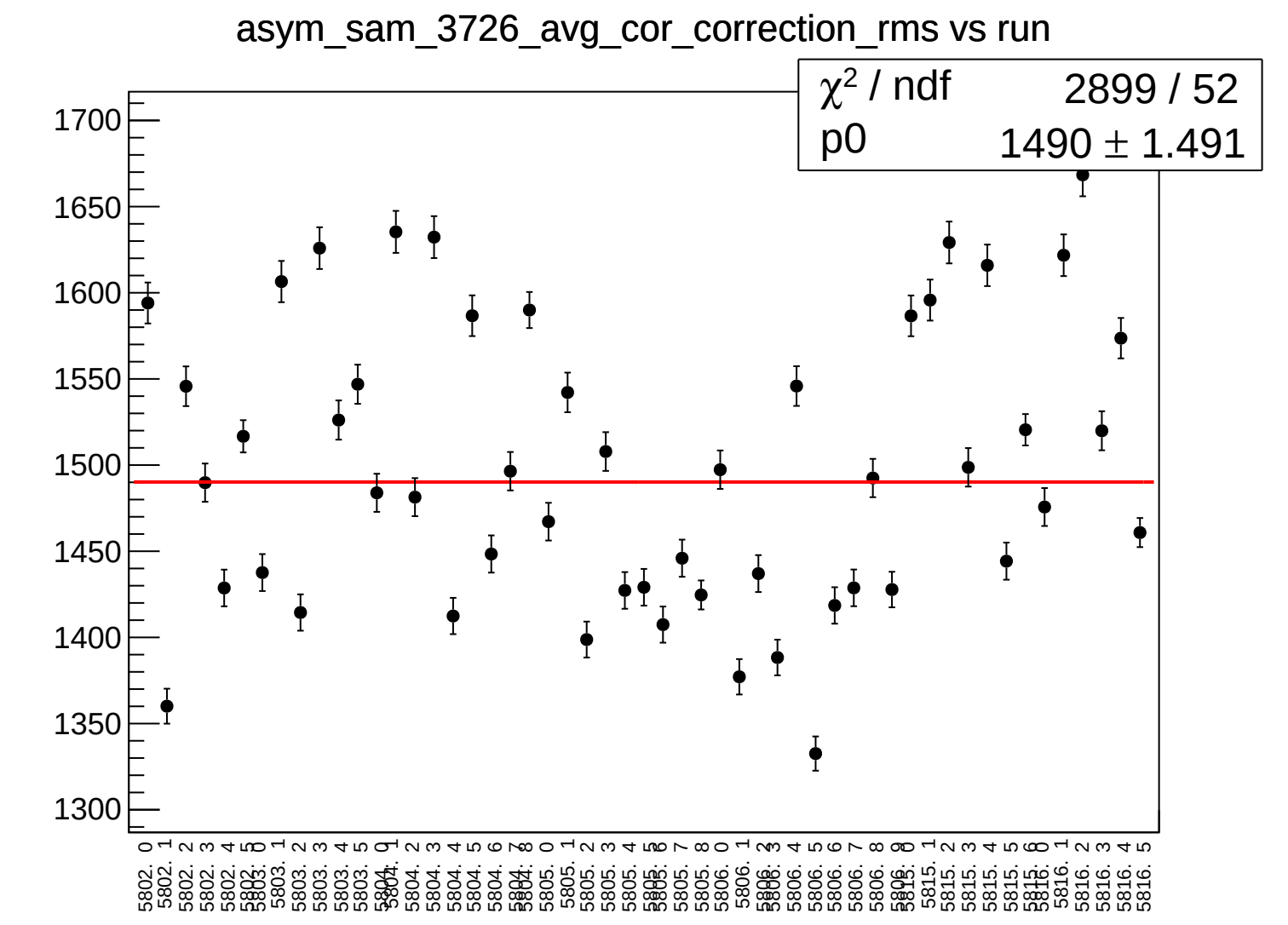

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 2899 / 52
p0 1490 ± 1.491
1700
1650
1600
1550
1500
1450
1400
1350
1300

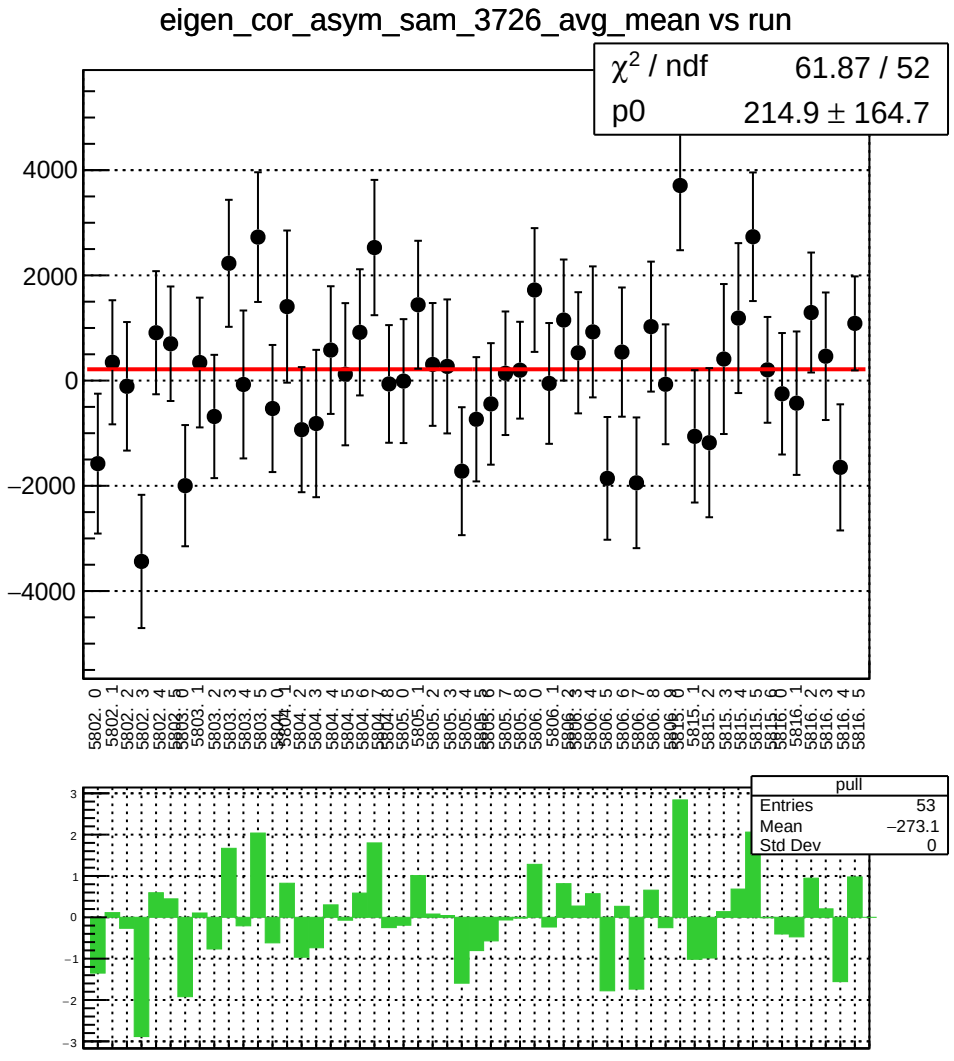

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 61.87 / 52
p0 214.9 ± 164.7
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −273.1
Std Dev 0
3
2
1
0
−1
−2
−3

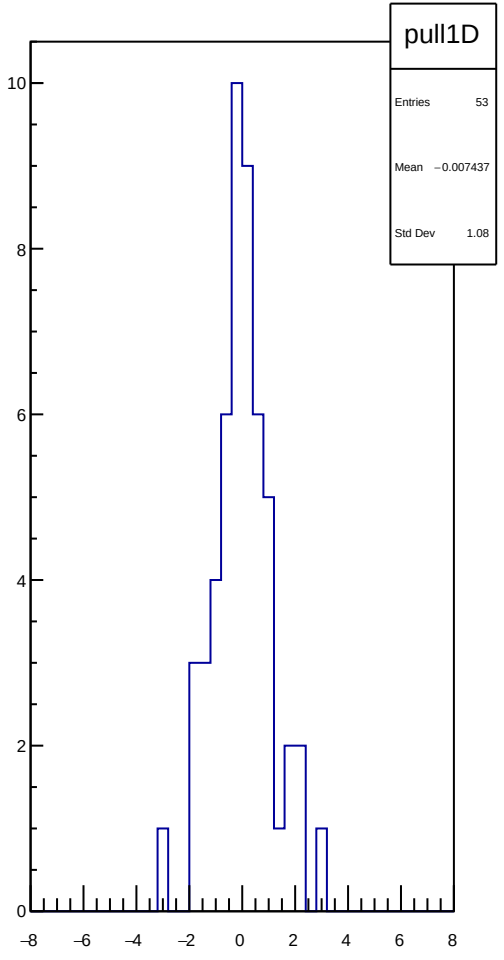

pull1D
Entries 53
Mean −0.007437
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

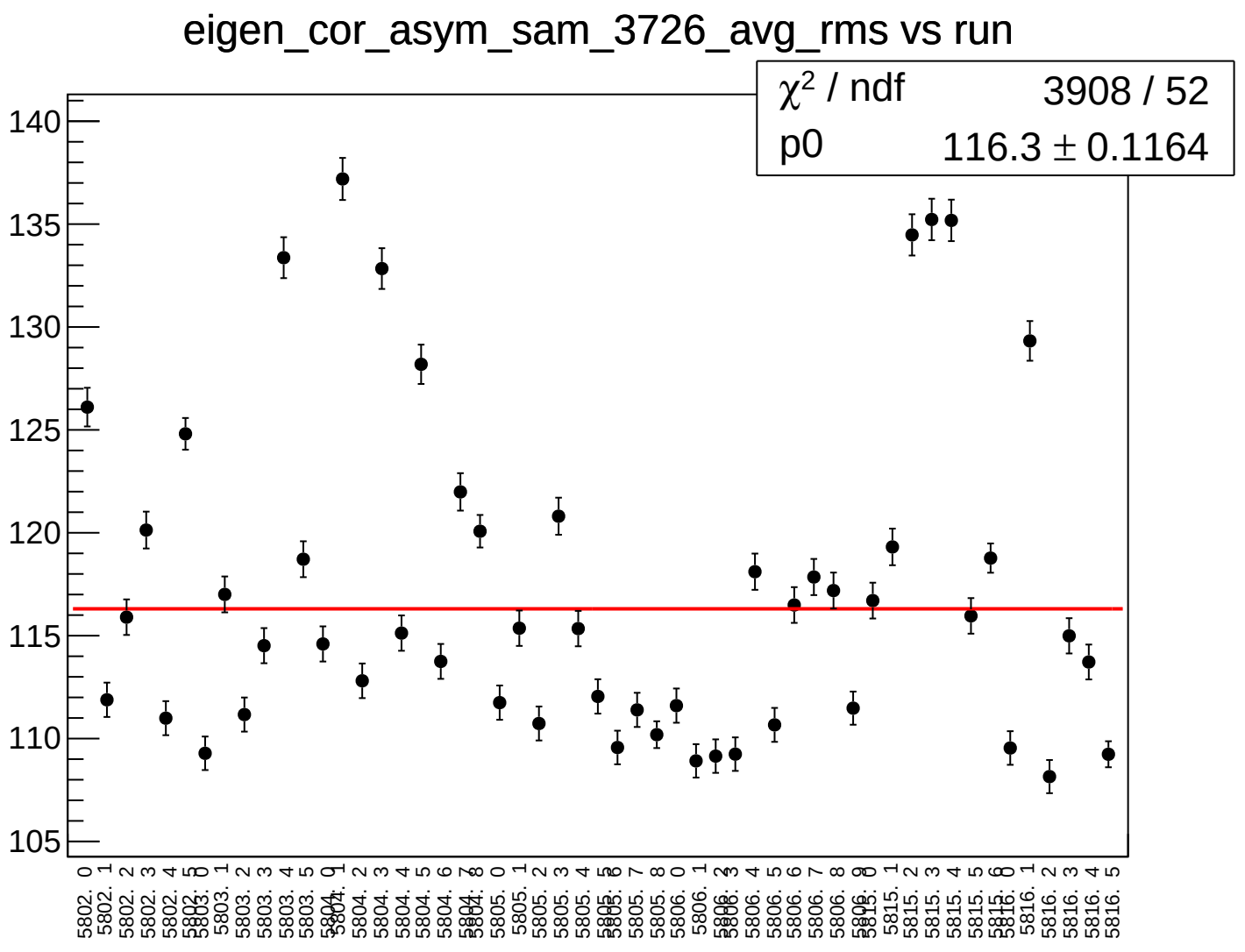

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3908 / 52
p0 116.3 ± 0.1164
140
135
130
125
120
115
110
105

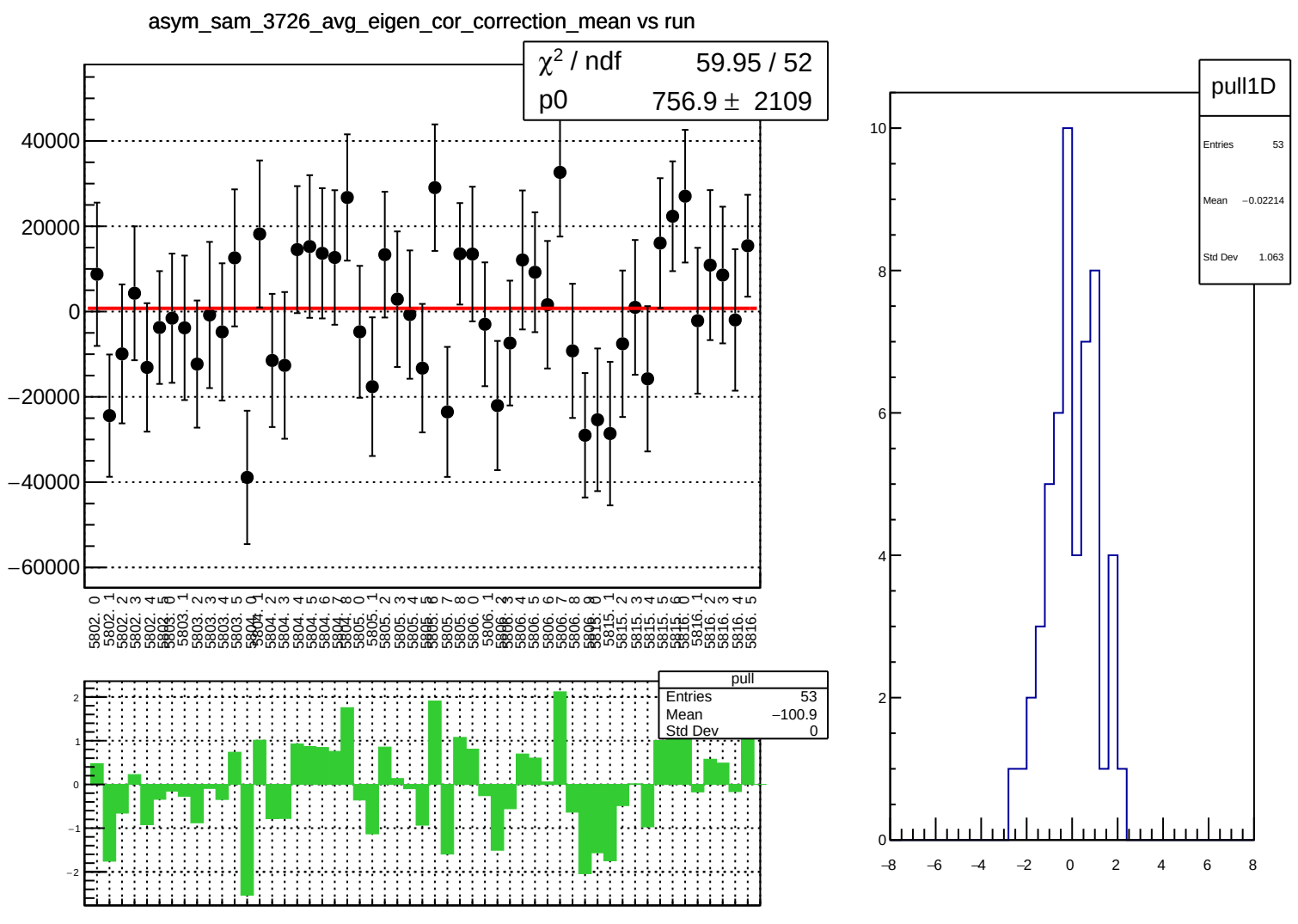

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 59.95 / 52
p0 756.9 ± 2109
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −100.9
Std Dev 0
pull1D
Entries 53
Mean −0.02214
Std Dev 1.063

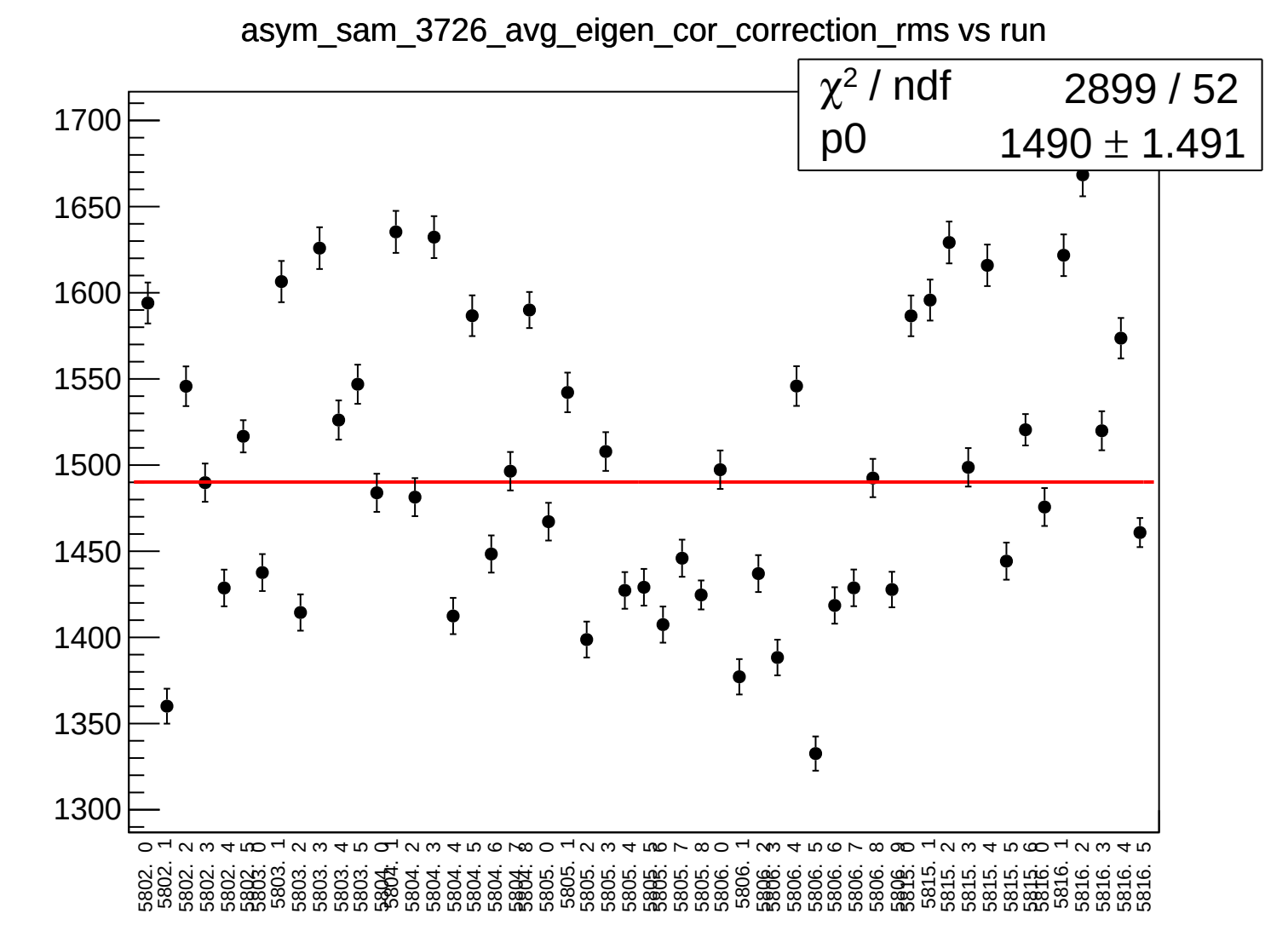

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 2899 / 52
p0 1490 ± 1.491
1700
1650
1600
1550
1500
1450
1400
1350
1300

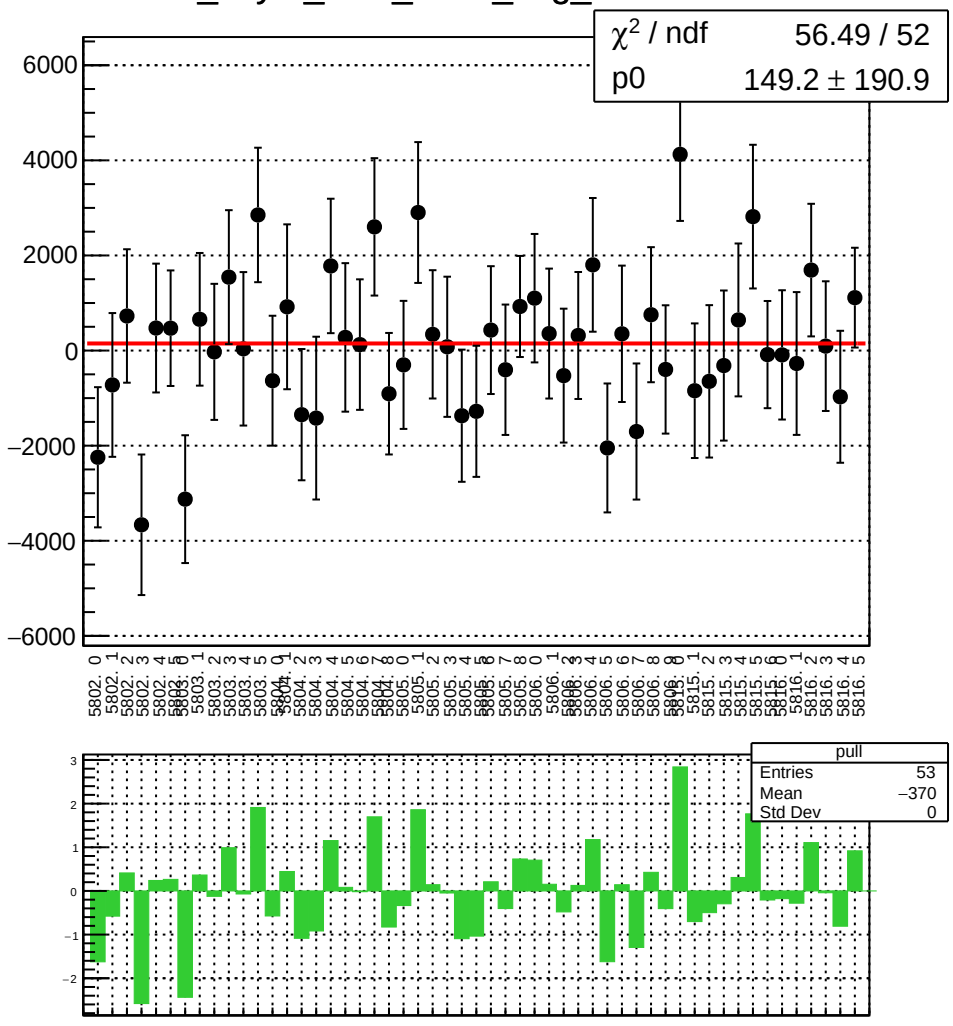

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 61.87 / 52
p0 214.9 ± 164.7
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −273.1
Std Dev 0
3
2
1
0
−1
−2
−3

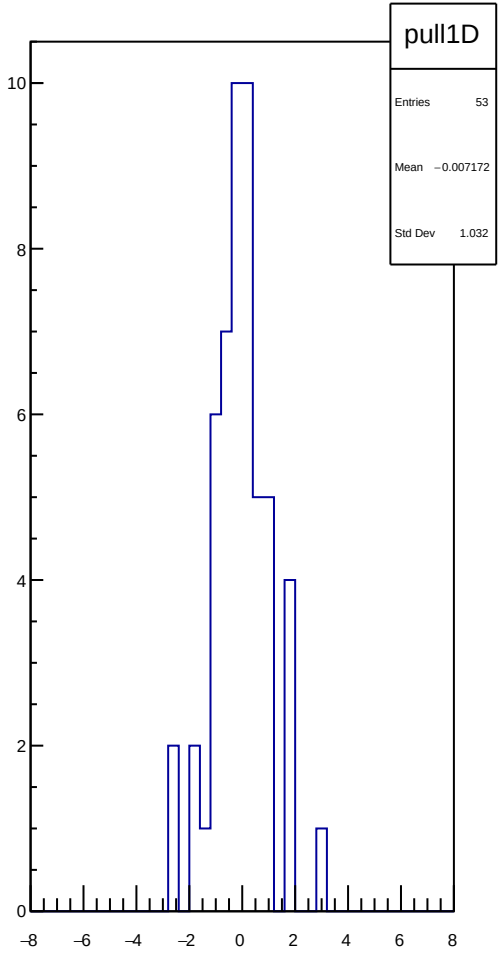

pull1D
Entries 53
Mean −0.007437
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

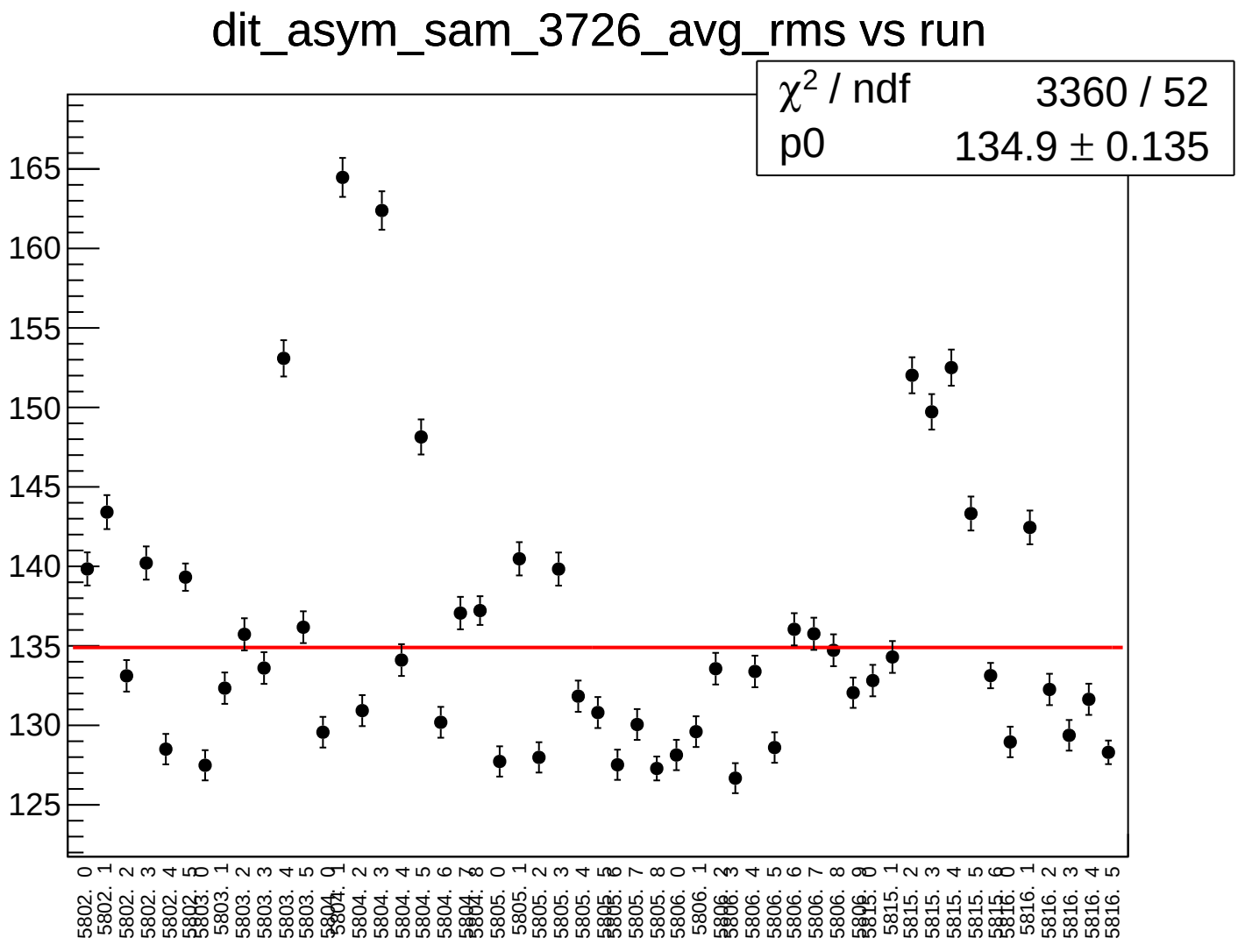

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 3908 / 52
p0 116.3 ± 0.1164
140
135
130
125
120
115
110
105
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

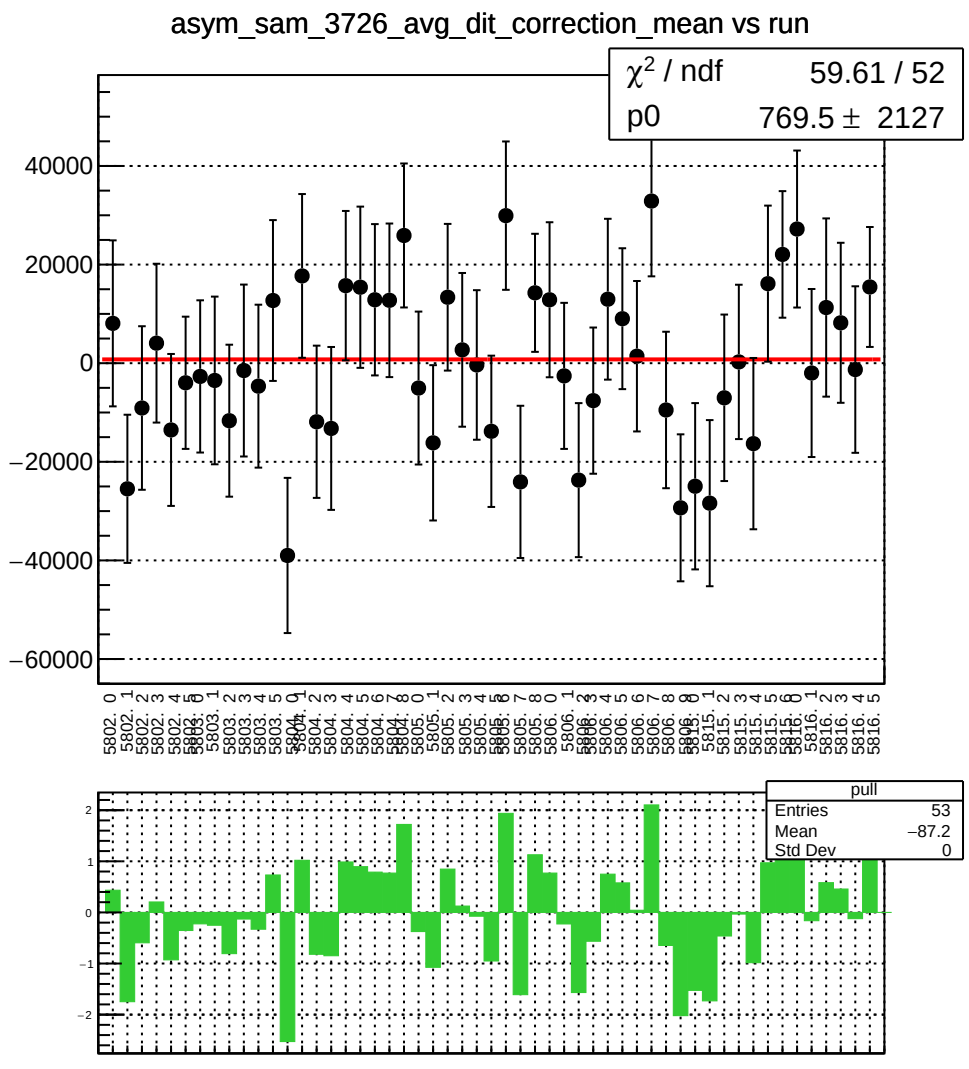

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 59.95 / 52
p0 756.9 ± 2109
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −100.9
Std Dev 0
pull1D
Entries 53
Mean −0.02214
Std Dev 1.063

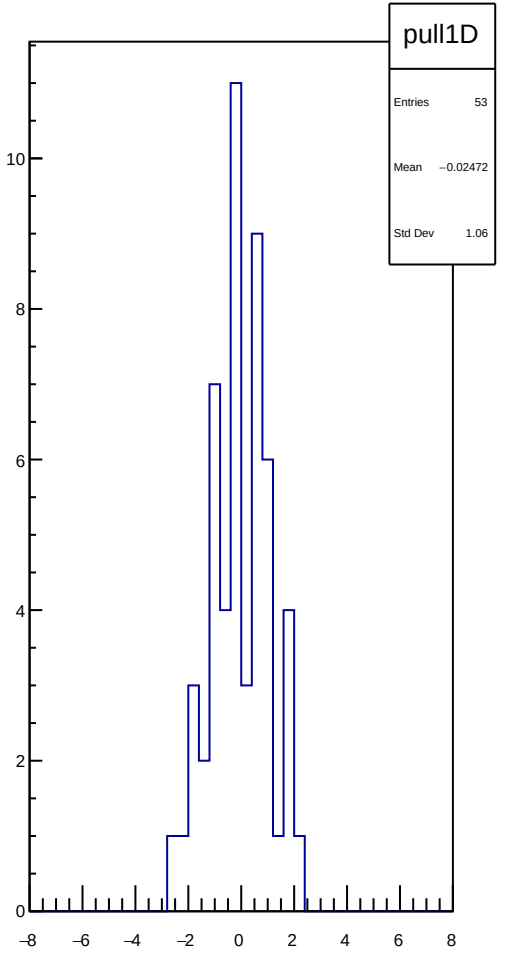

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 2899 / 52
p0 1490 ± 1.491
1700
1650
1600
1550
1500
1450
1400
1350
1300

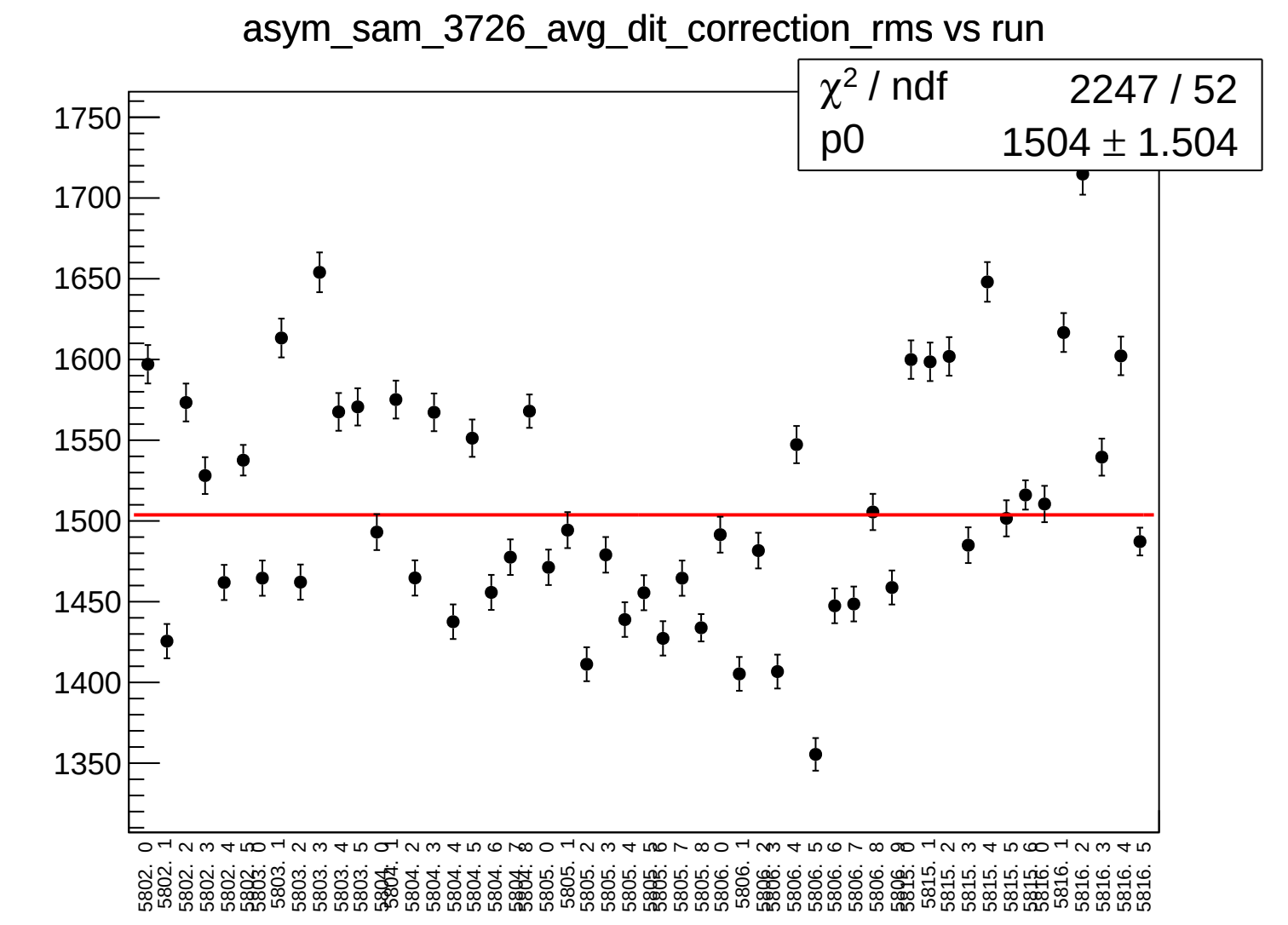

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 56.49 / 52
p0 149.2 ± 190.9
pull
Entries 53
Mean −370
Std Dev 0

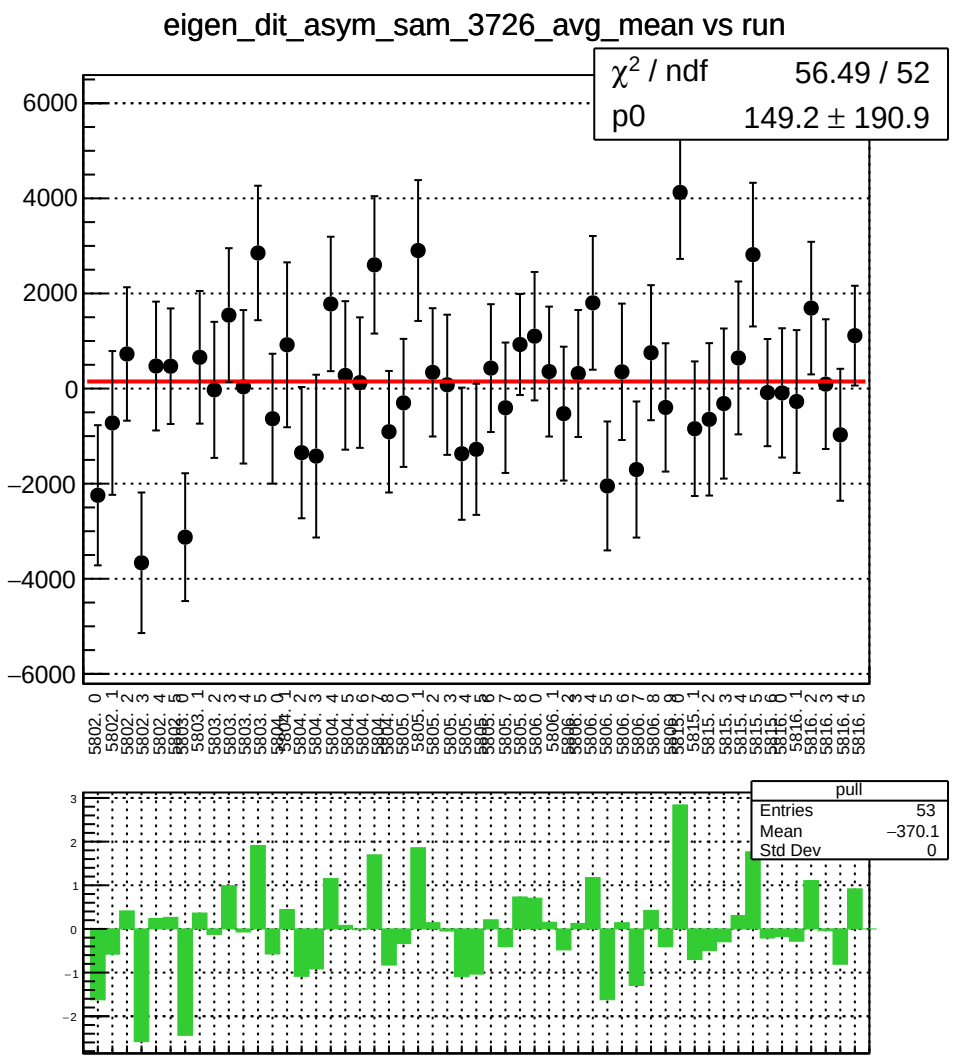

pull1D
Entries 53
Mean −0.007172
Std Dev 1.032

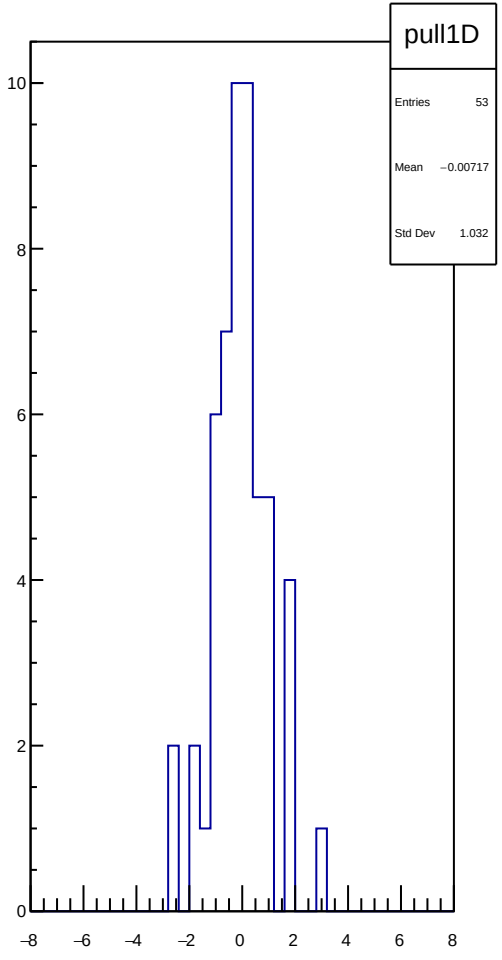

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3360 / 52
p0 134.9 ± 0.135
165
160
155
150
145
140
135
130
125

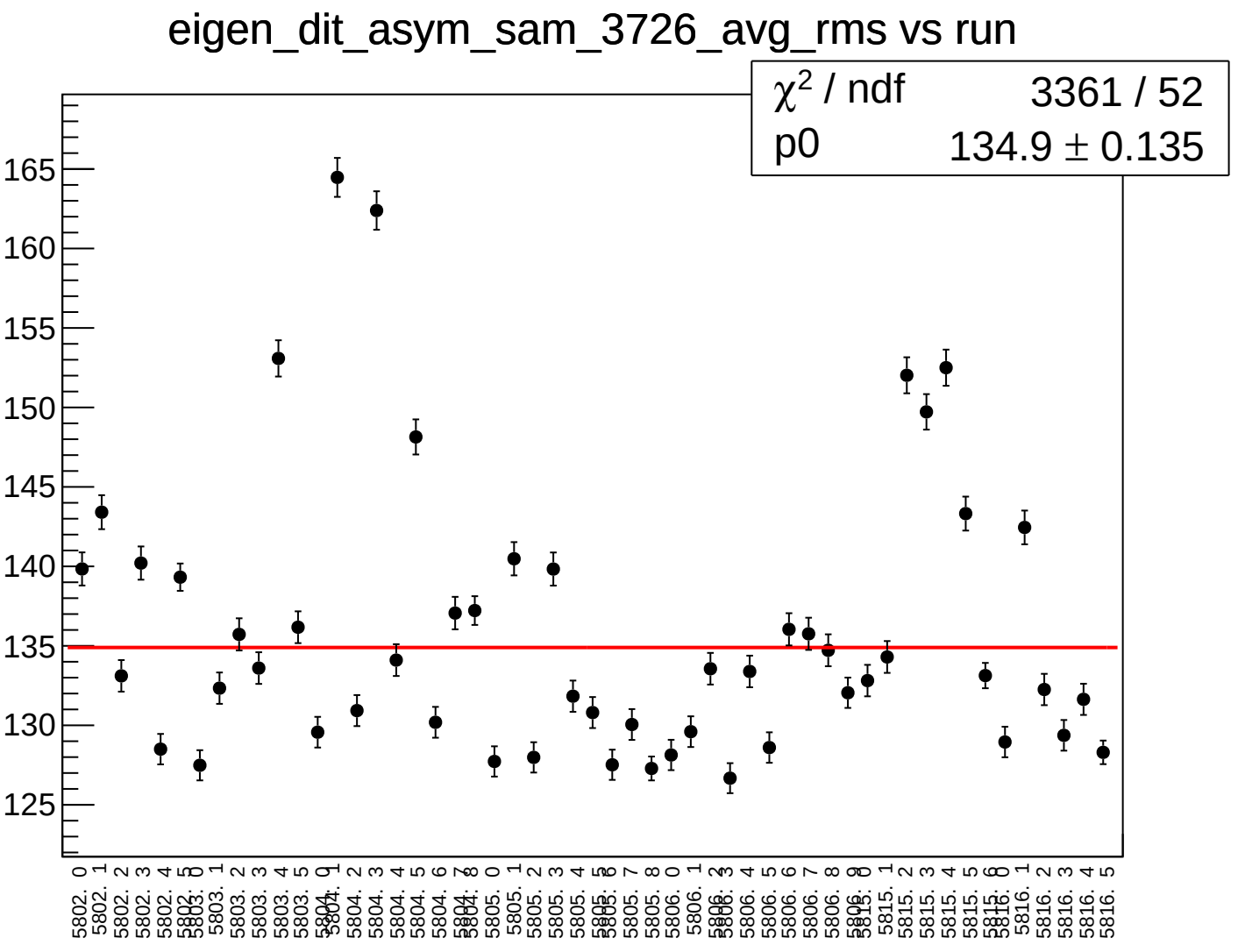

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 59.61 / 52
p0 769.5 ± 2127
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −87.2
Std Dev 0
2
1
0
−1
−2

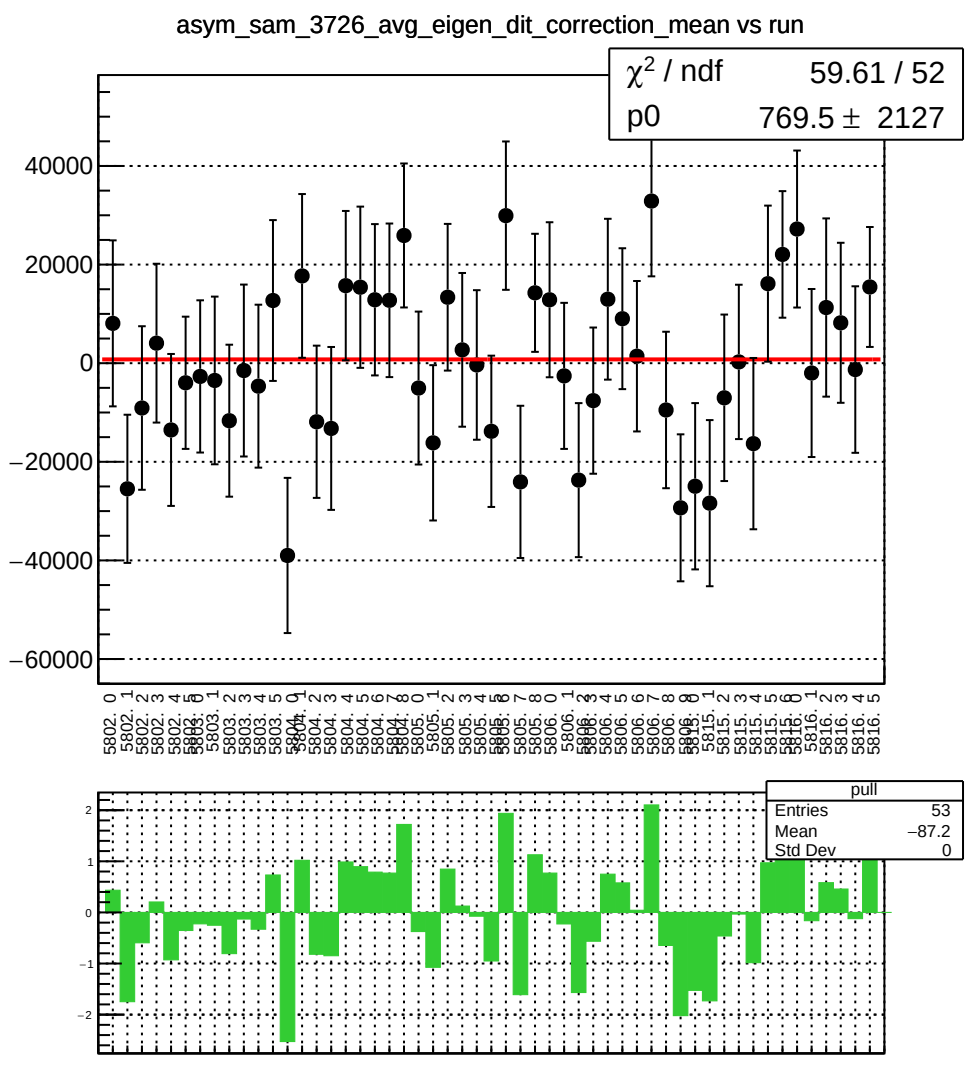

pull1D
Entries 53
Mean −0.02472
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

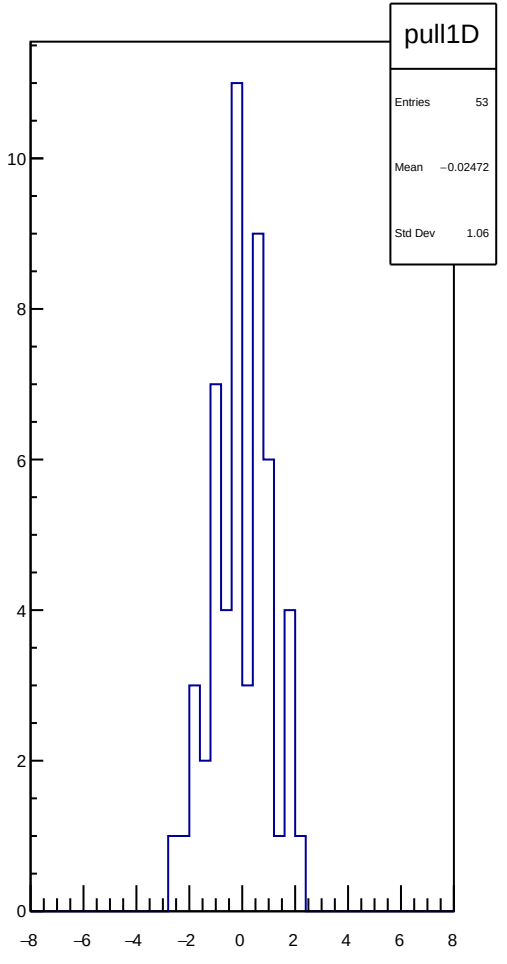

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2247 / 52
p0 1504 ± 1.504
1750
1700
1650
1600
1550
1500
1450
1400
1350

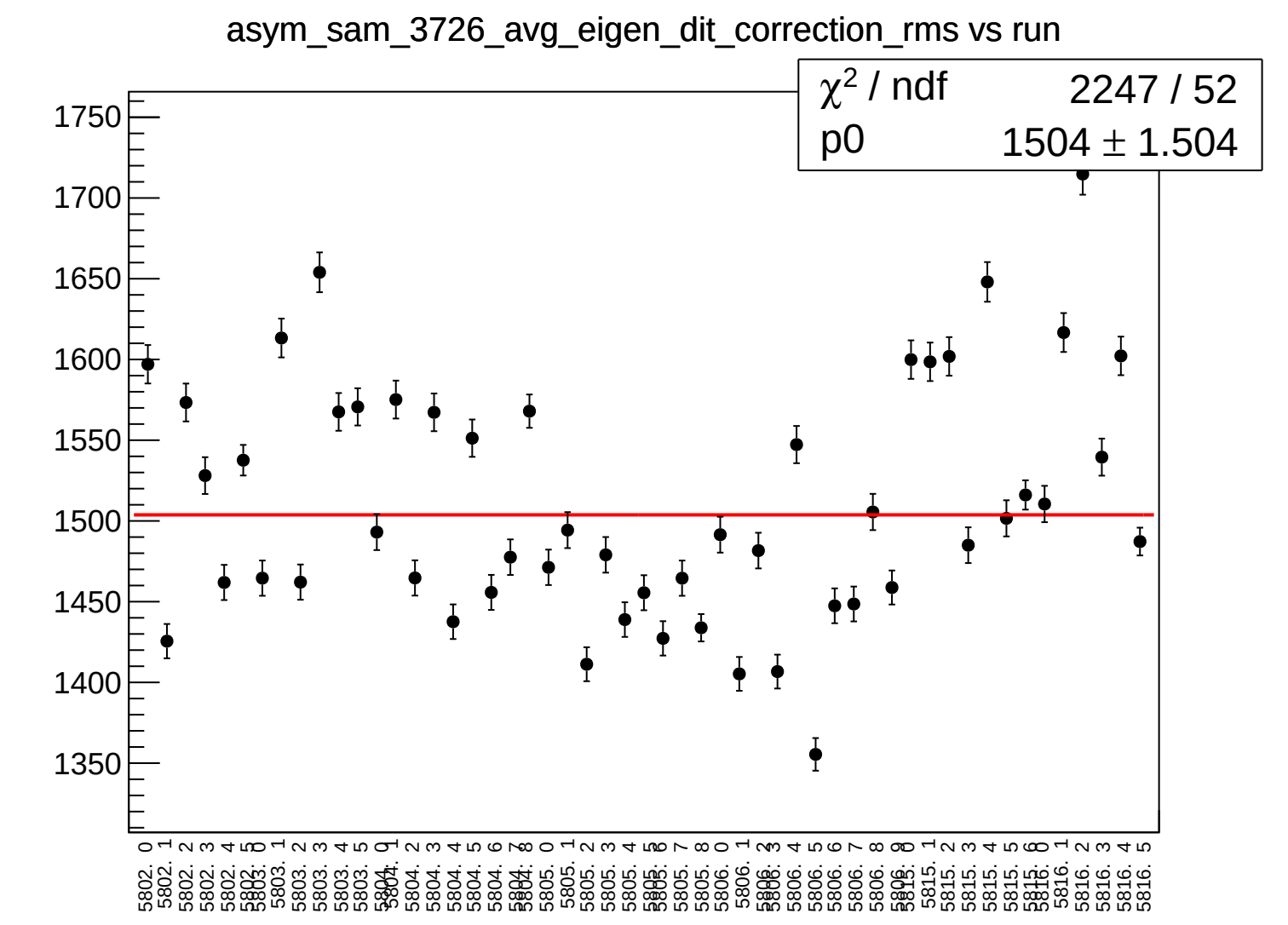

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 56.49 / 52
p0 149.2 ± 190.9
pull
Entries 53
Mean −370.1
Std Dev 0

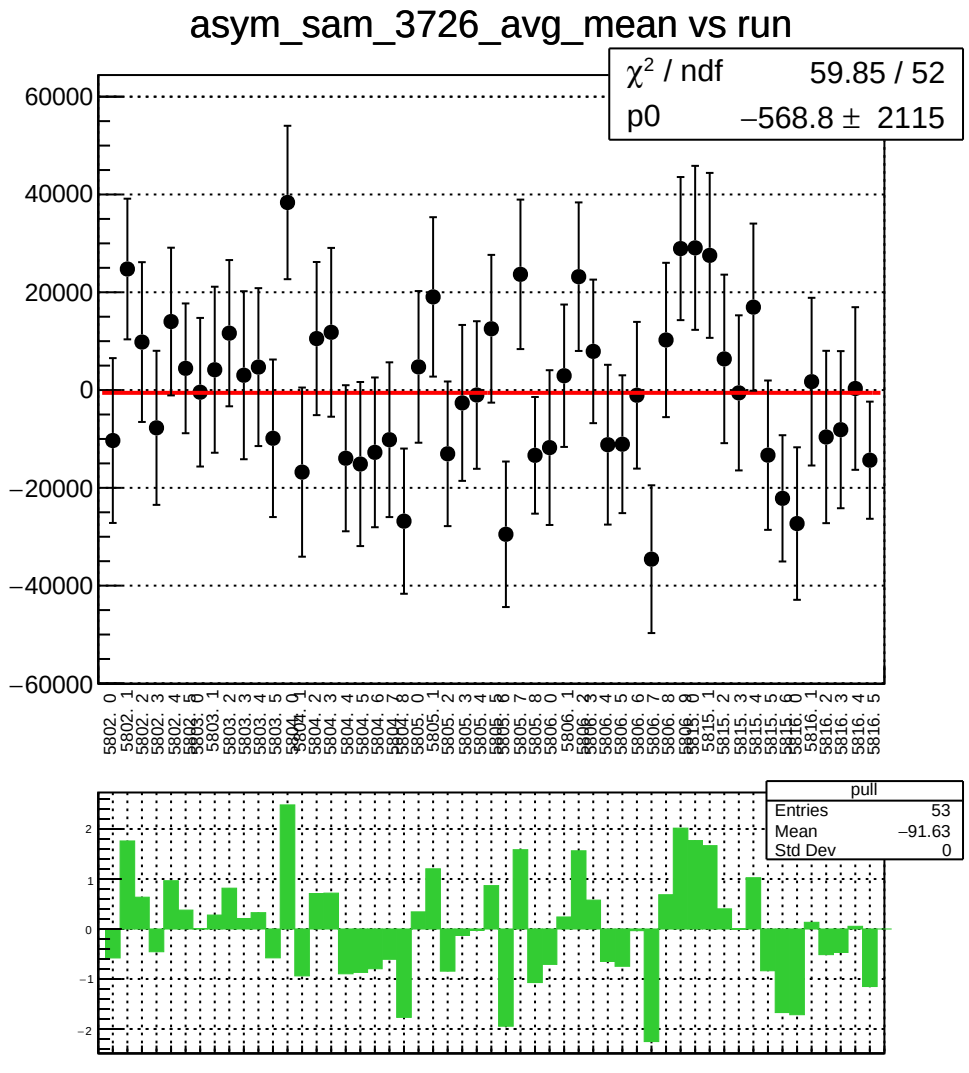

pull1D
Entries 53
Mean −0.00717
Std Dev 1.032

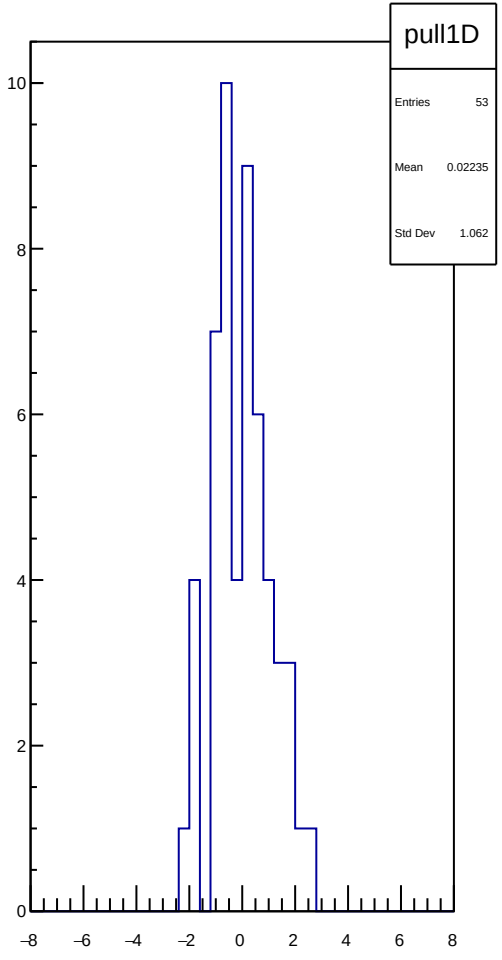

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3361 / 52
p0 134.9 ± 0.135
165
160
155
150
145
140
135
130
125

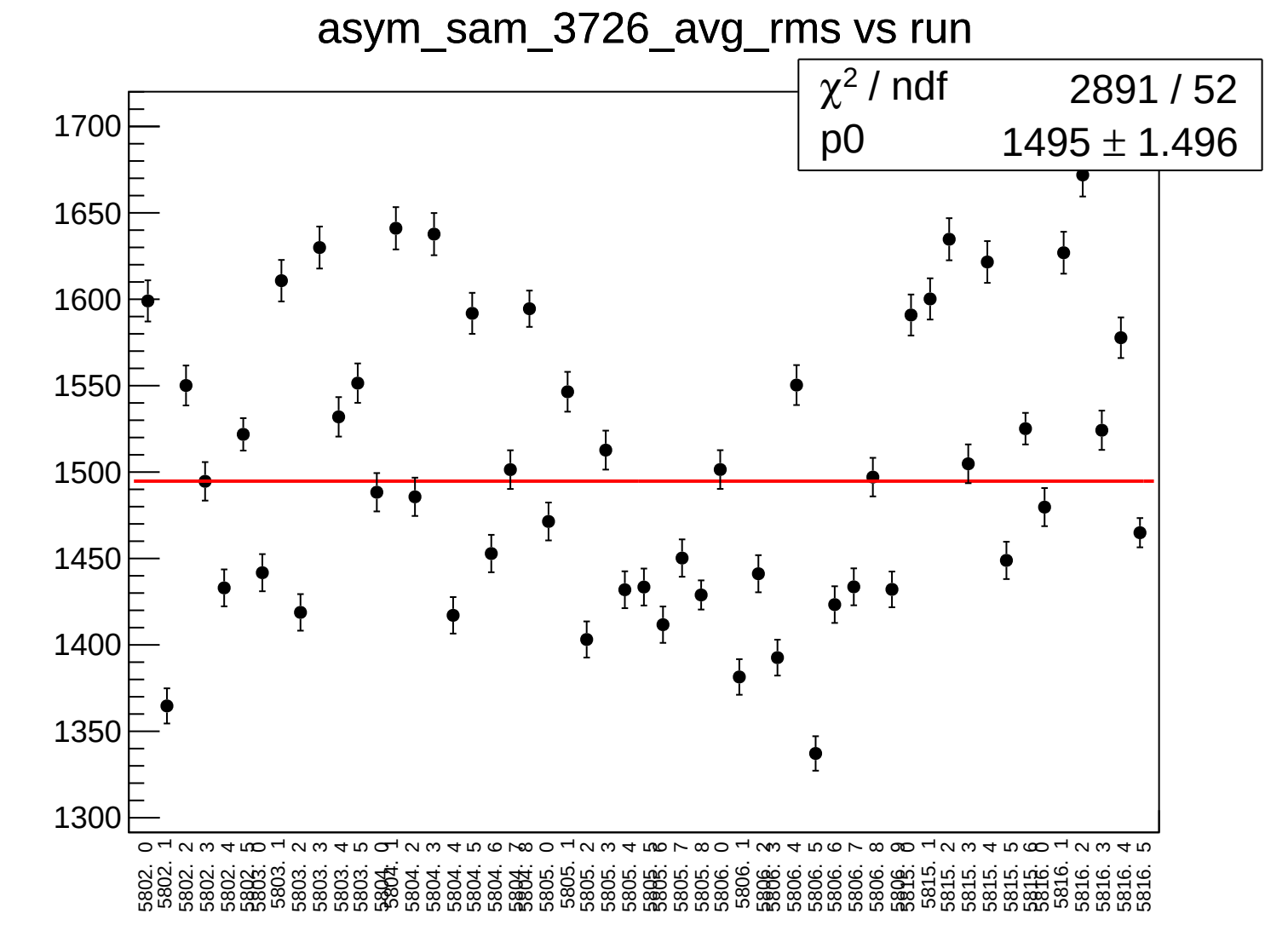

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 59.61 / 52
p0 769.5 ± 2127
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −87.2
Std Dev 0
2
1
0
−1
−2

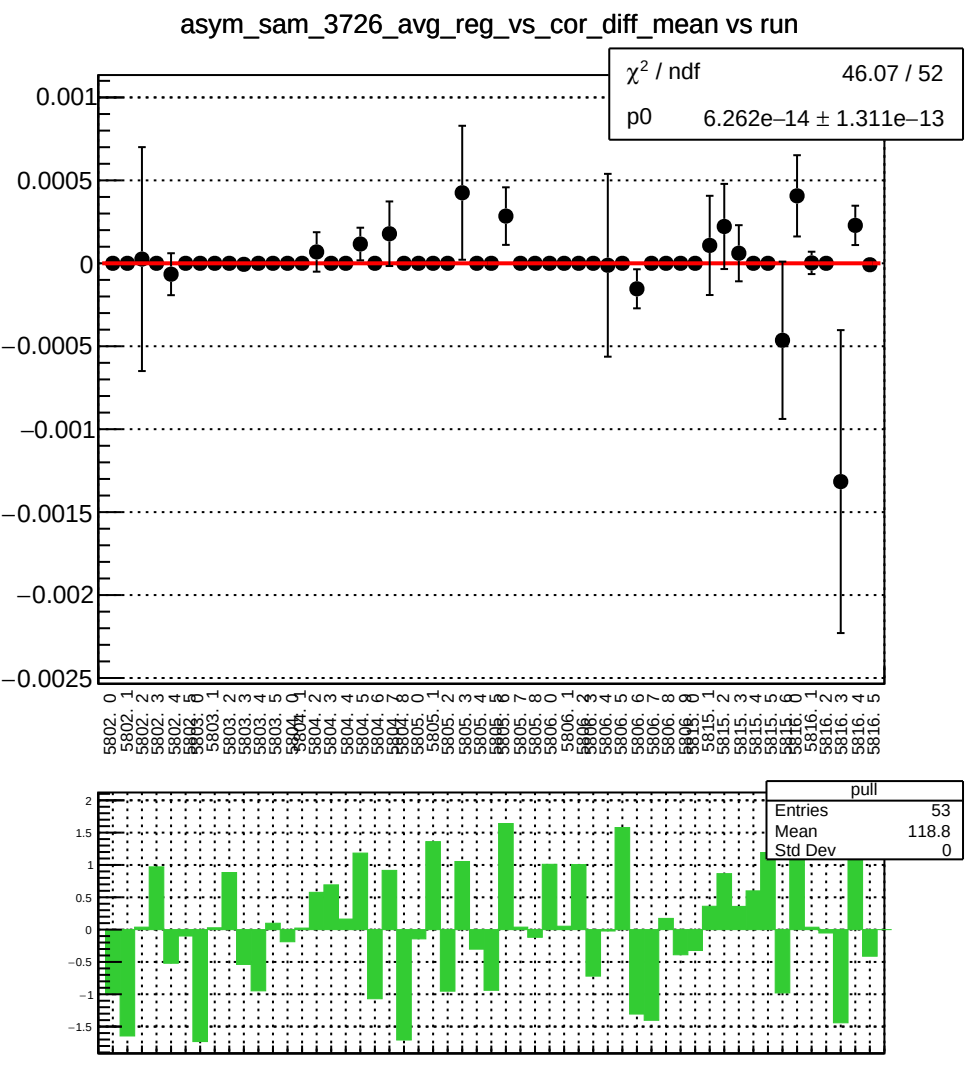

pull1D
Entries 53
Mean −0.02472
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

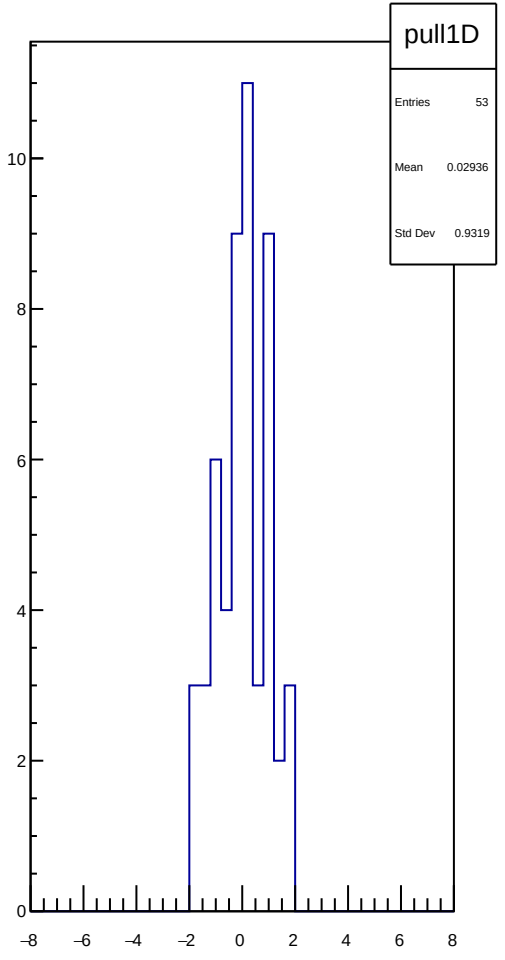

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2247 / 52
p0 1504 ± 1.504
1750
1700
1650
1600
1550
1500
1450
1400
1350

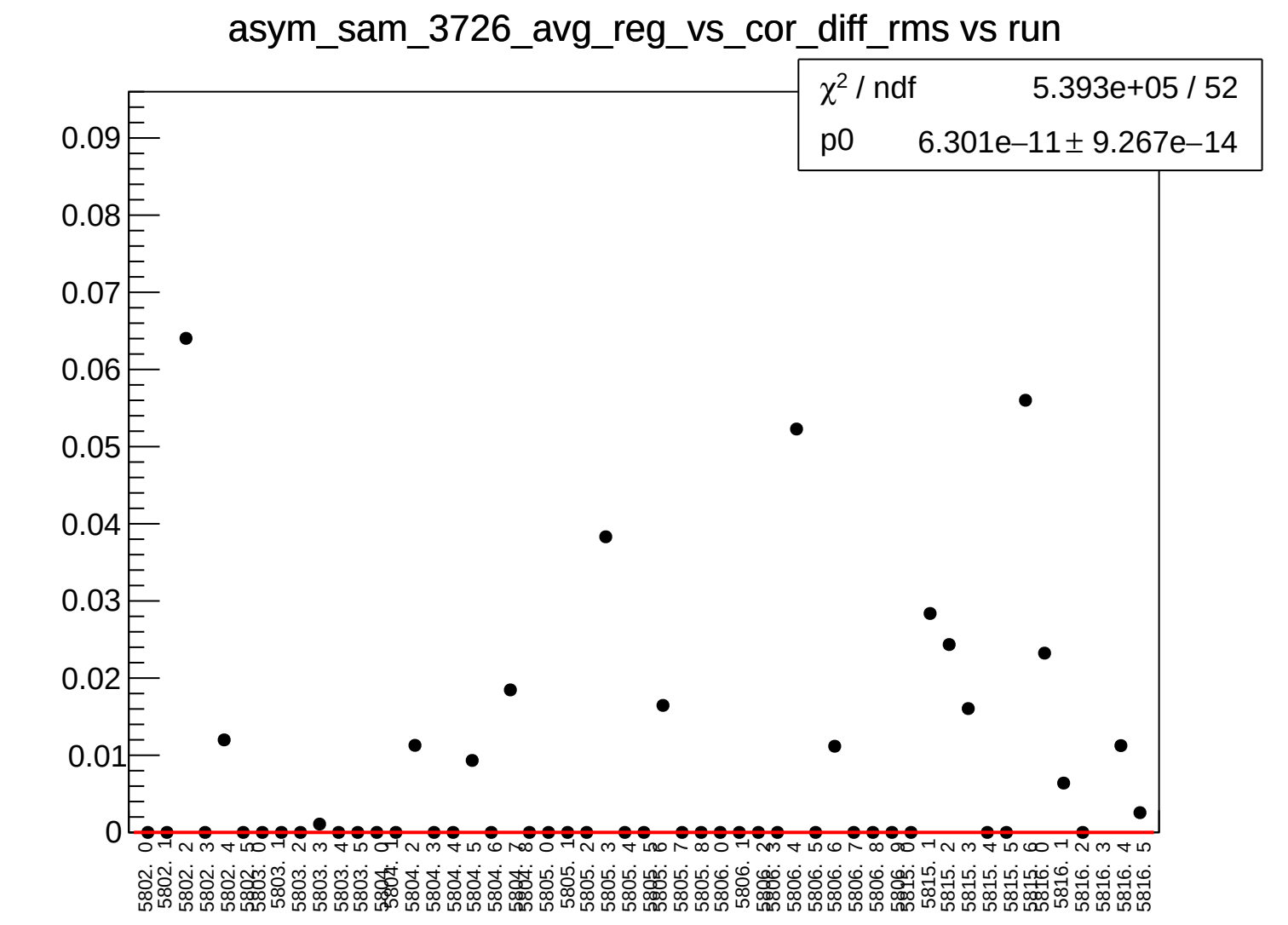

asym_sam_3726_avg_mean vs run
χ² / ndf 59.85 / 52
p0 −568.8 ± 2115
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −91.63
Std Dev 0
2
1
0
−1
−2

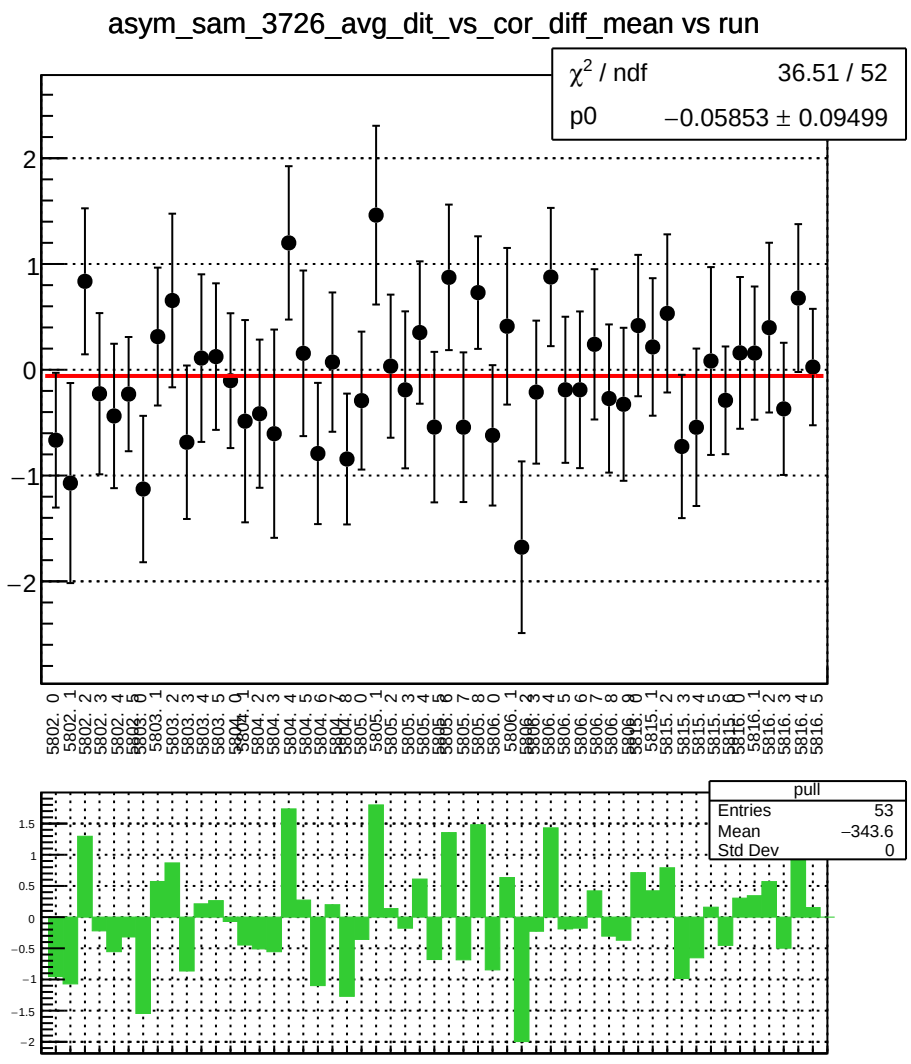

pull1D
Entries 53
Mean 0.02235
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

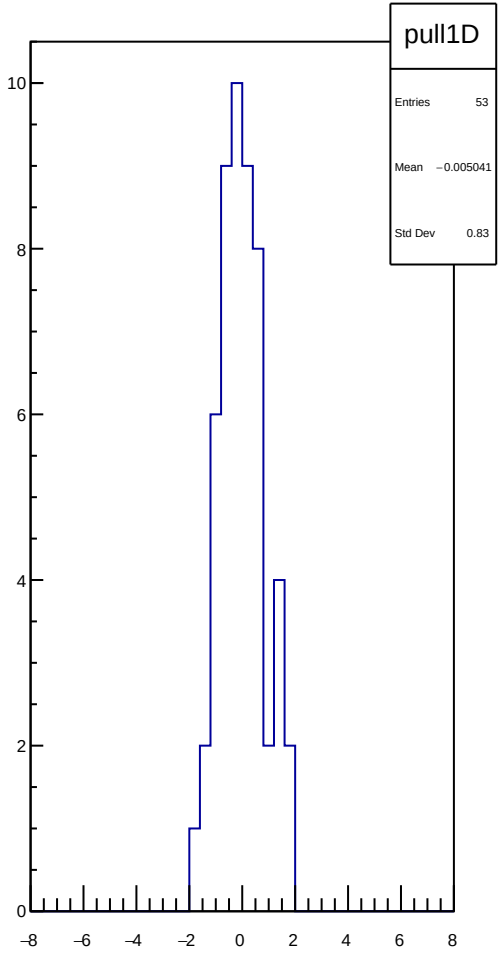

asym_sam_3726_avg_rms vs run
χ² / ndf 2891 / 52
p0 1495 ± 1.496
1700
1650
1600
1550
1500
1450
1400
1350
1300

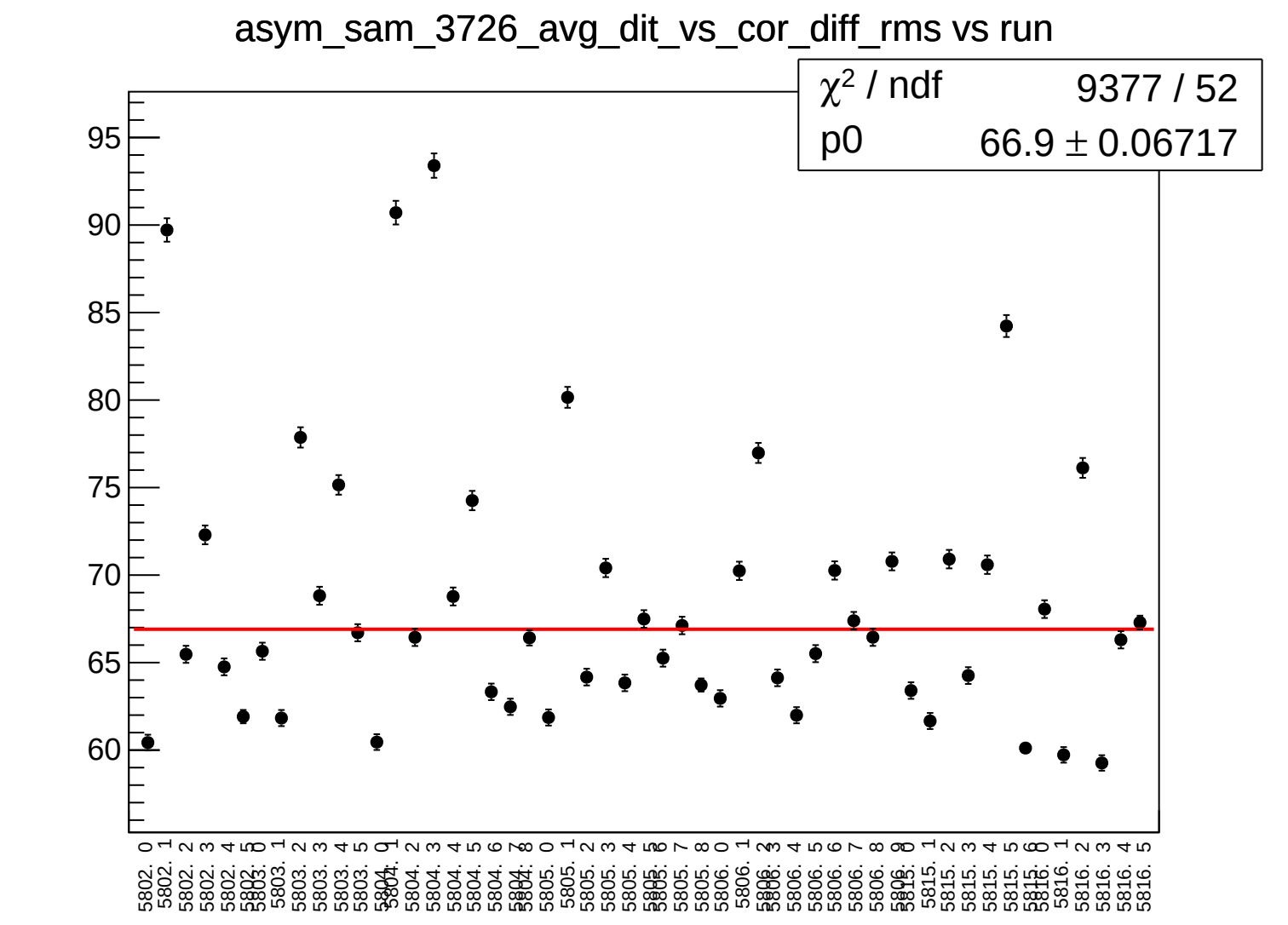

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.07 / 52
p0 6.262e−14 ± 1.311e−13
pull
Entries 53
Mean 118.8
Std Dev 0

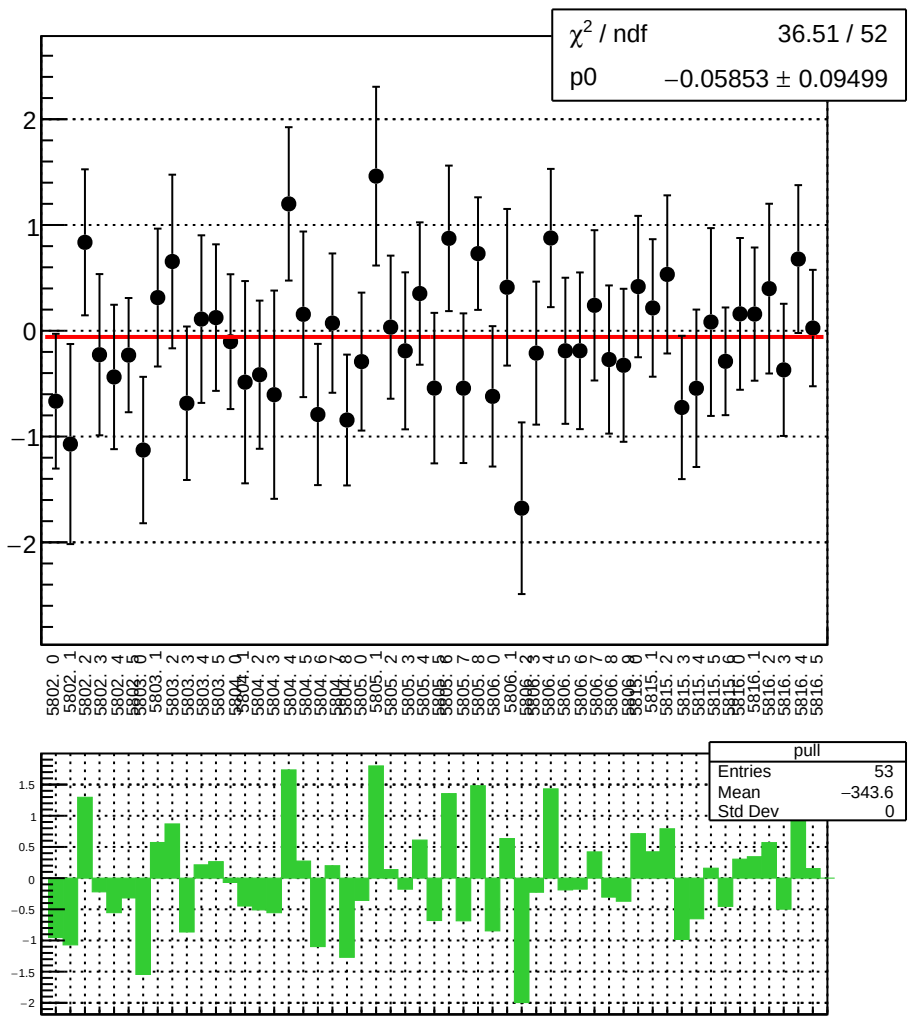

pull1D
Entries 53
Mean 0.02936
Std Dev 0.9319

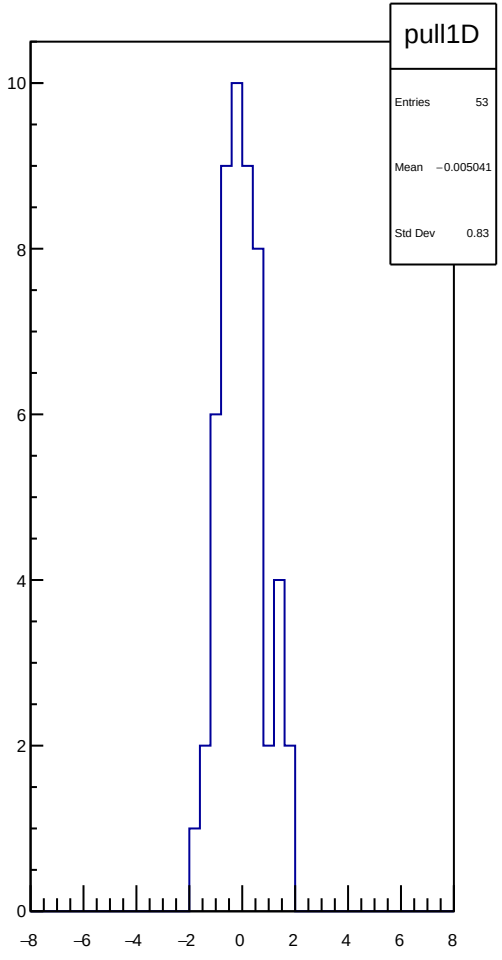

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.393e+05 / 52
p0 6.301e−11 ± 9.267e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

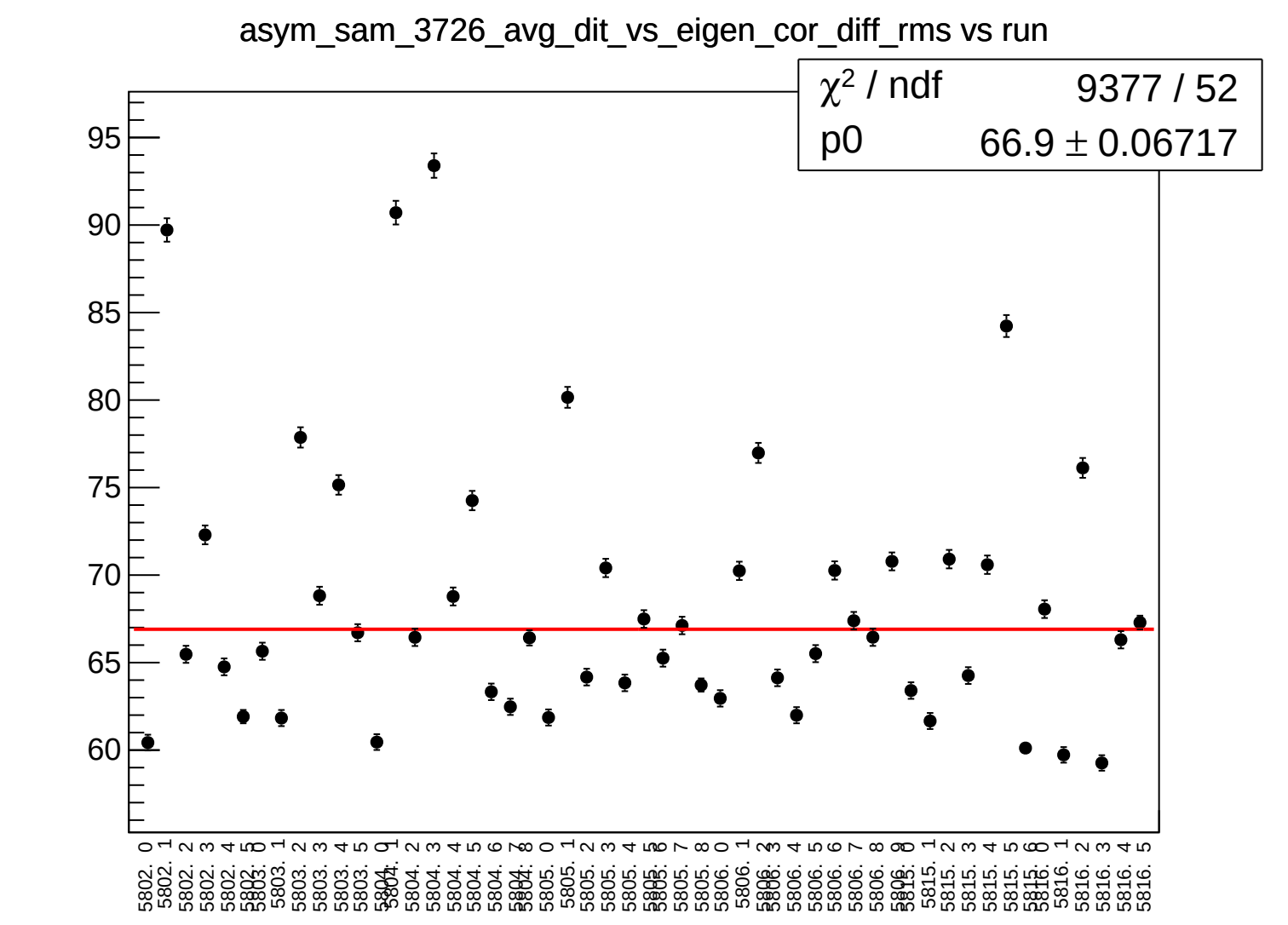

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.51 / 52
p0 −0.05853 ± 0.09499
pull
Entries 53
Mean −343.6
Std Dev 0

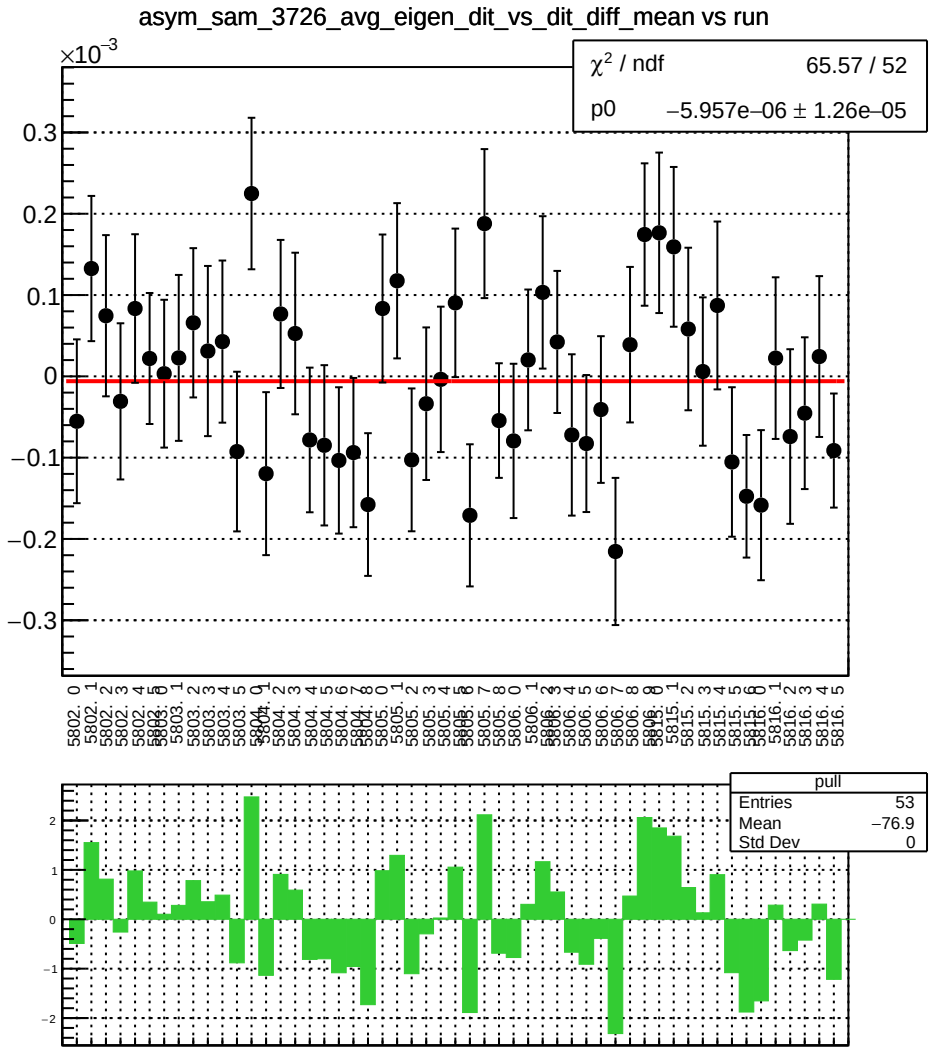

pull1D
Entries 53
Mean −0.005041
Std Dev 0.83

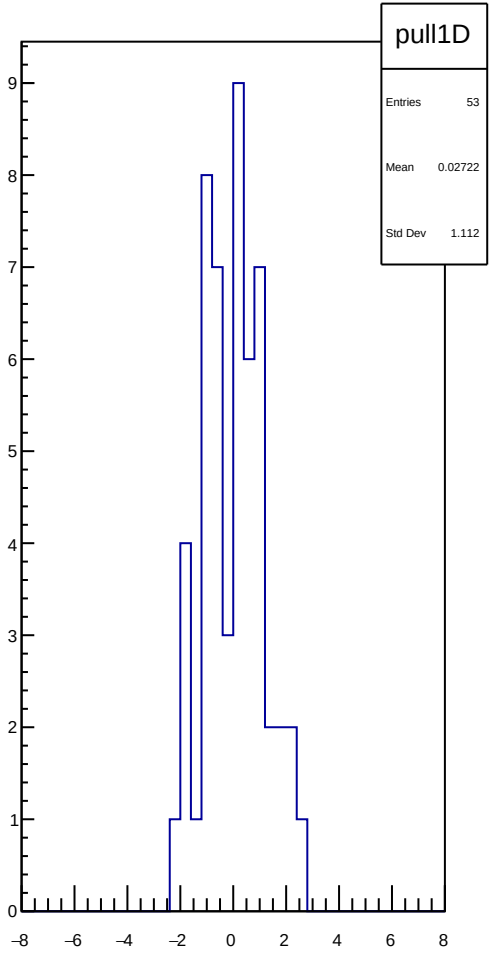

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9377 / 52
p0 66.9 ± 0.06717
95
90
85
80
75
70
65
60

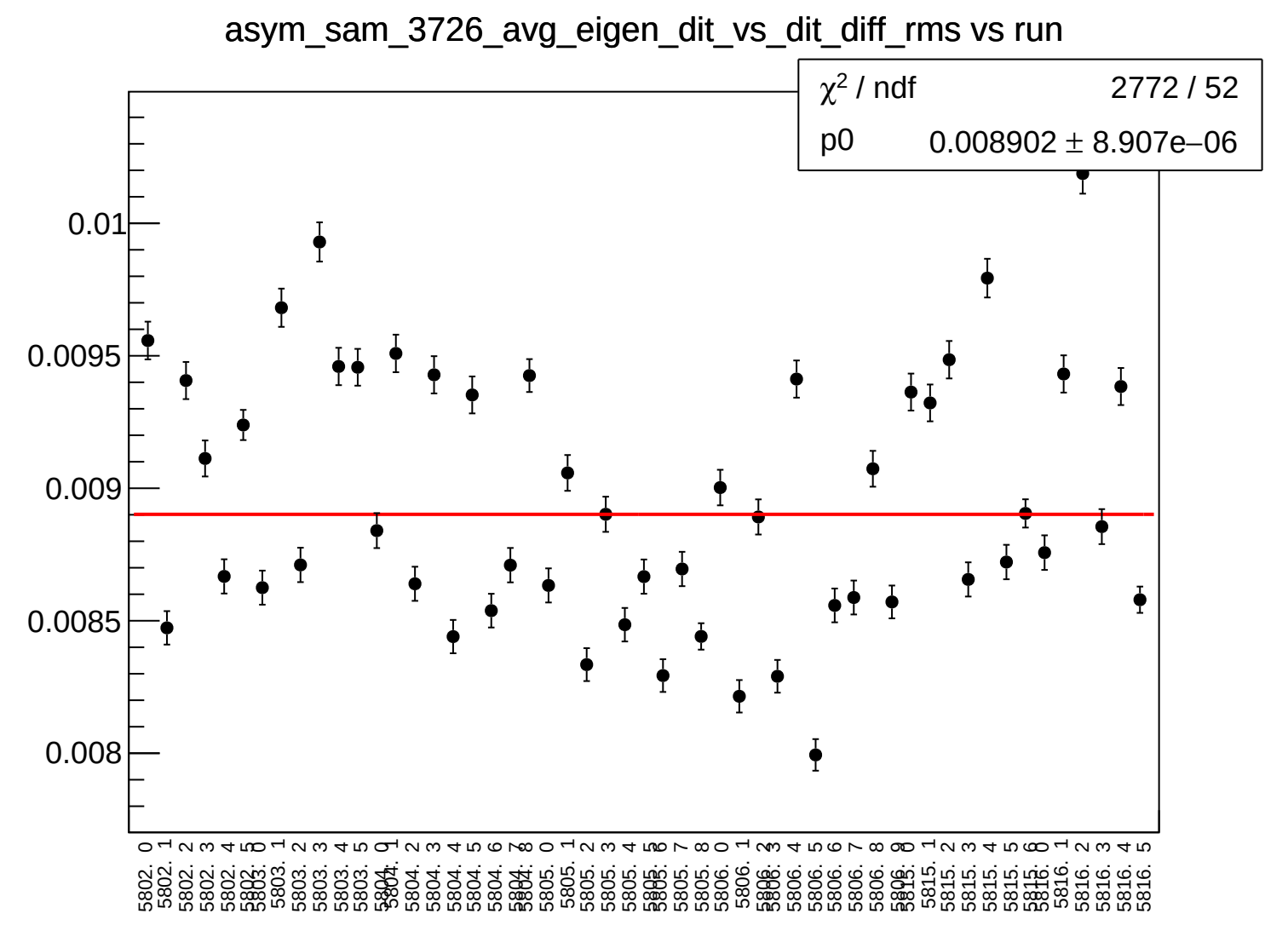

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.51 / 52
p0 −0.05853 ± 0.09499
pull
Entries 53
Mean −343.6
Std Dev 0

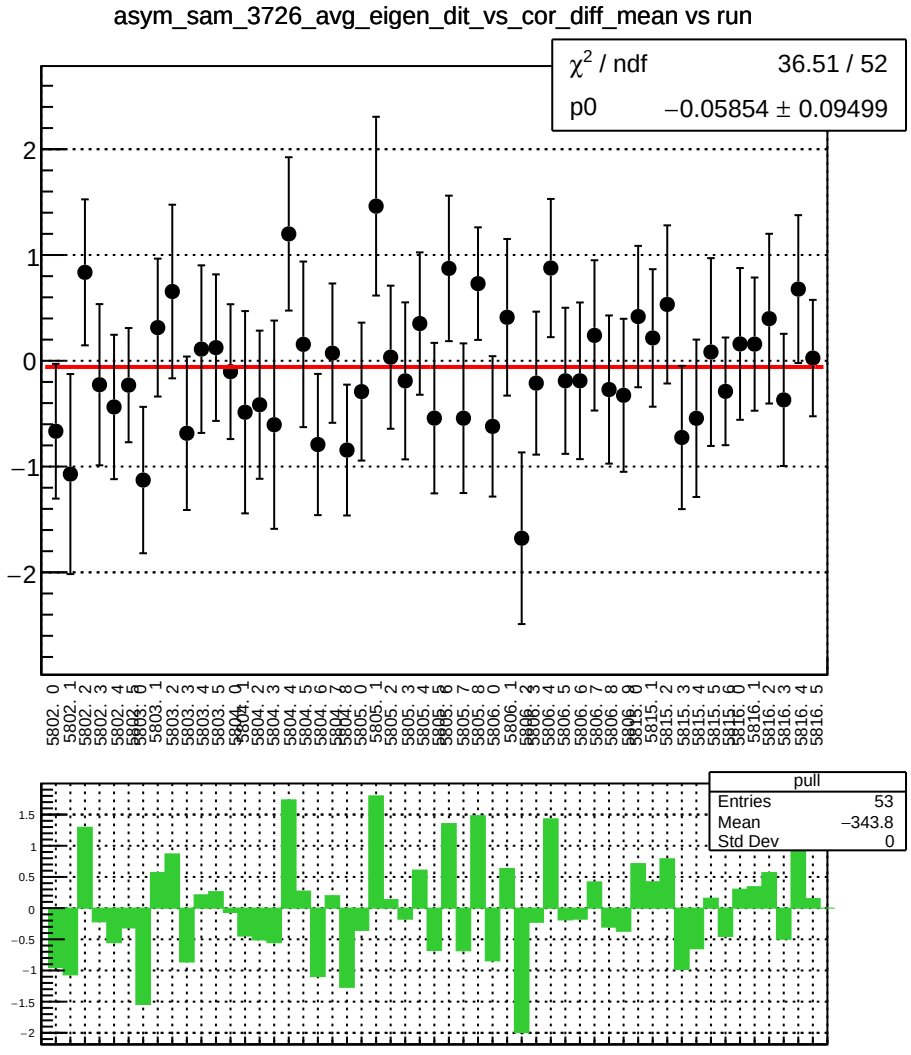

pull1D
Entries 53
Mean −0.005041
Std Dev 0.83

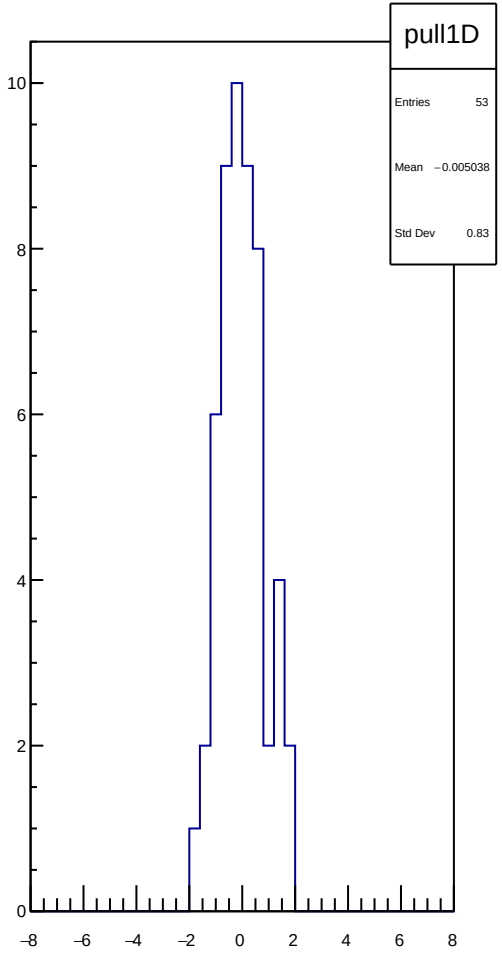

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9377 / 52
p0 66.9 ± 0.06717
95
90
85
80
75
70
65
60

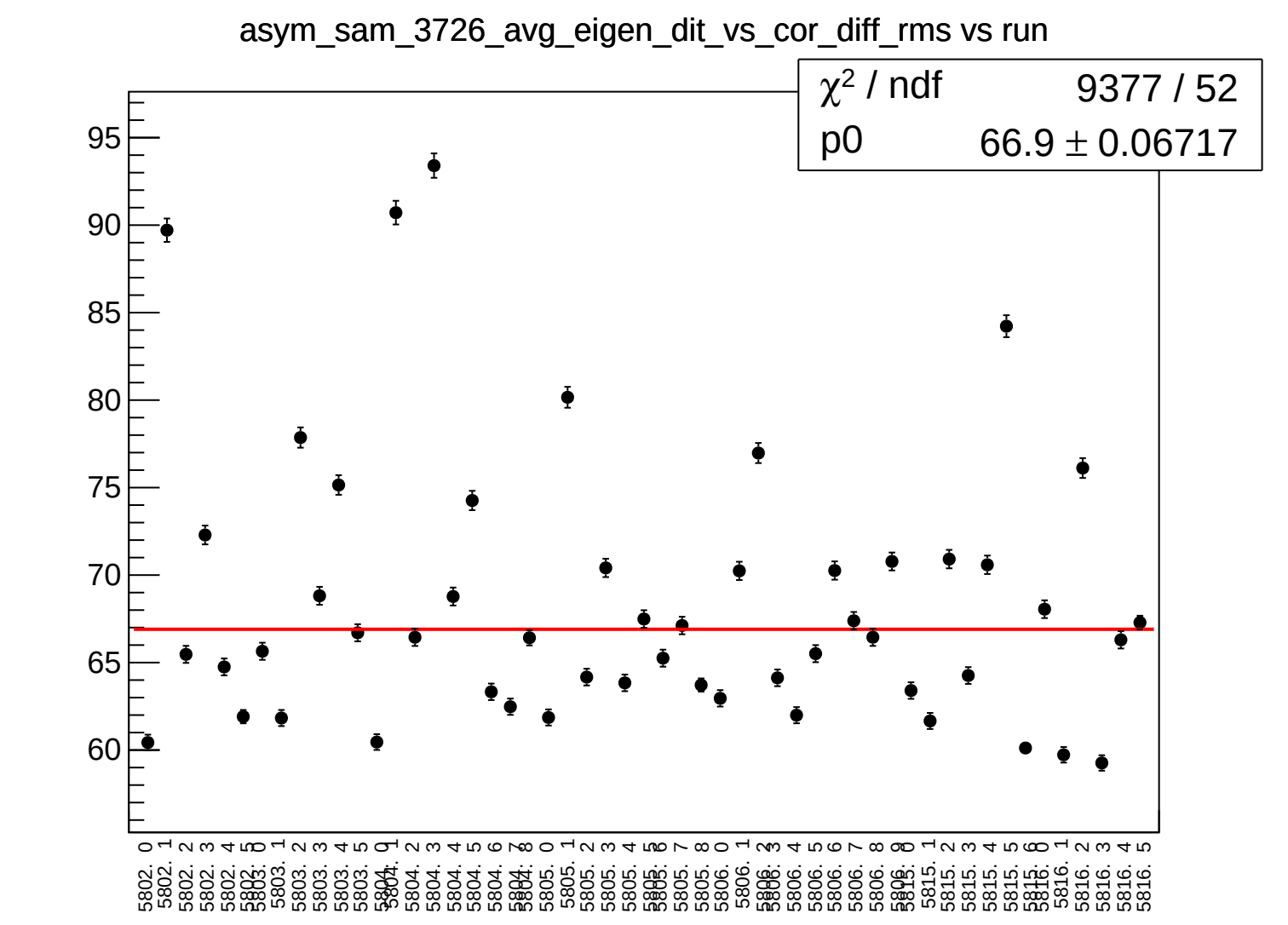

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.57 / 52
p0 −5.957e−06 ± 1.26e−05
pull
Entries 53
Mean −76.9
Std Dev 0


pull1D
Entries 53
Mean 0.02722
Std Dev 1.112

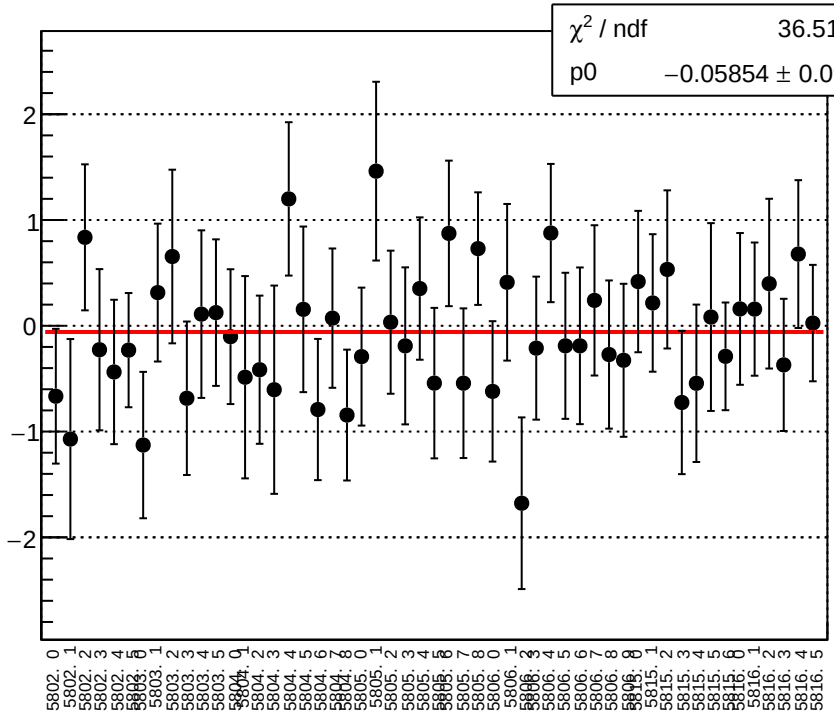

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2772 / 52
p0 0.008902 ± 8.907e−06
0.01
0.0095
0.009
0.0085
0.008

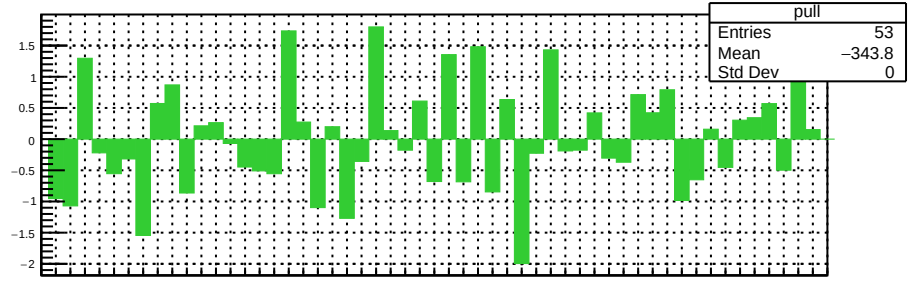

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.51 / 52
p0 −0.05854 ± 0.09499
pull
Entries 53
Mean −343.8
Std Dev 0

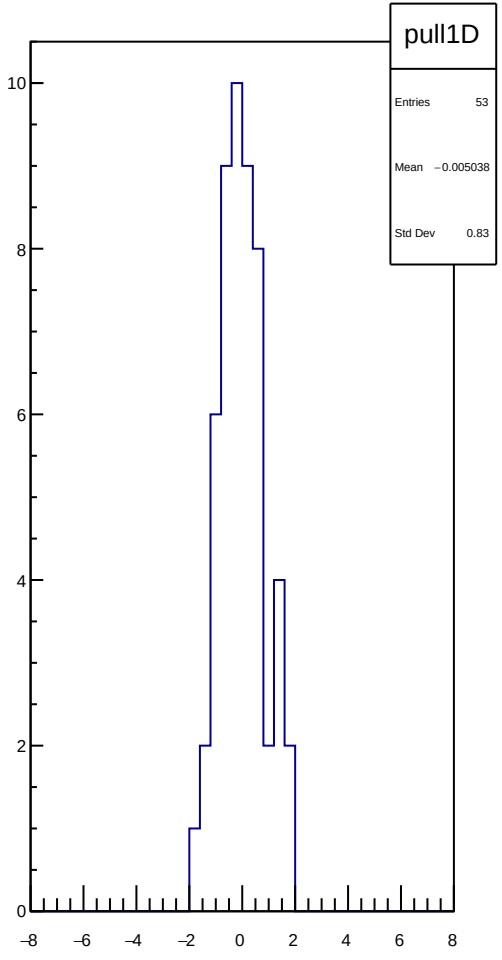

pull1D
Entries 53
Mean −0.005038
Std Dev 0.83

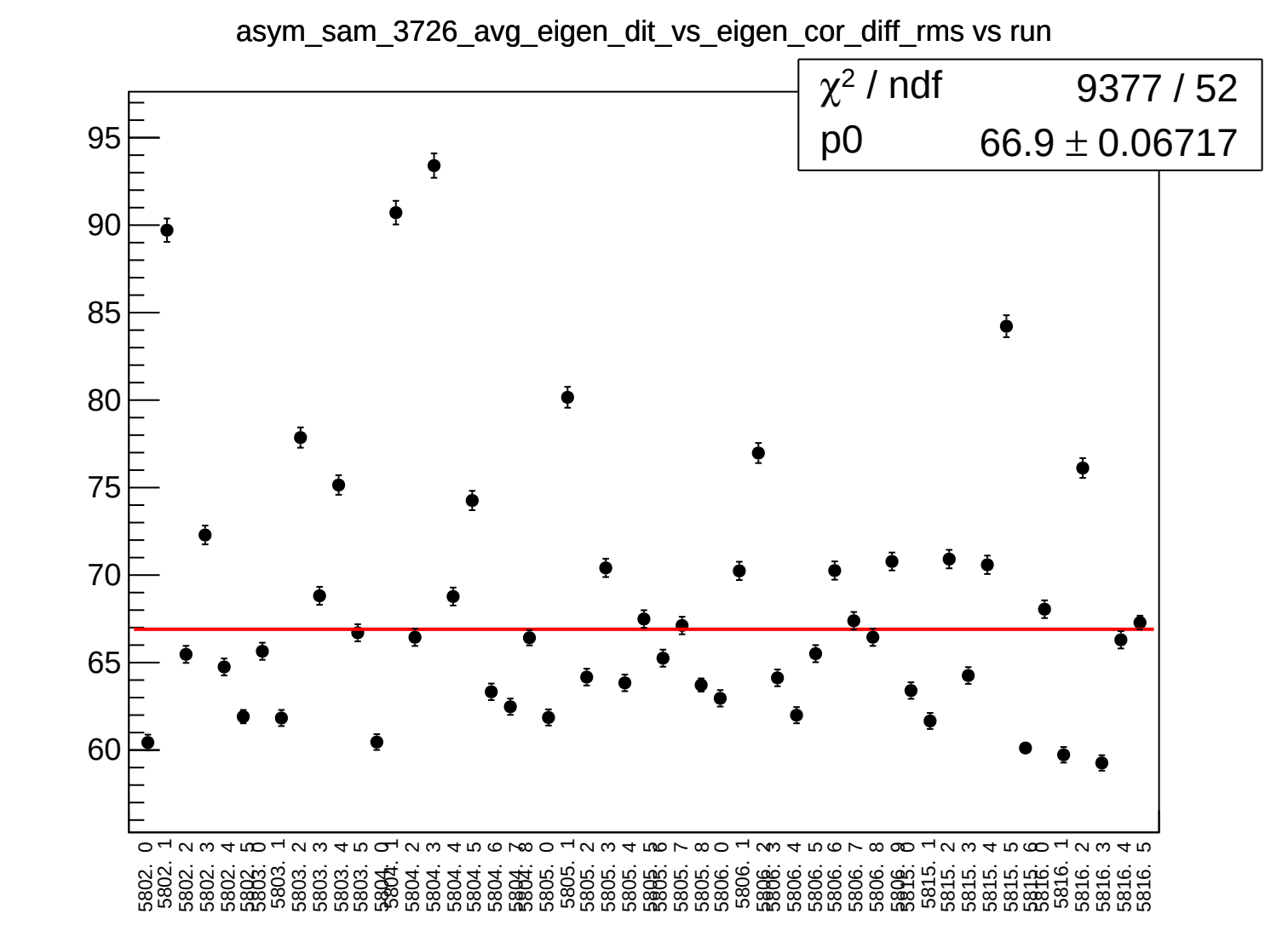

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9377 / 52
p0 66.9 ± 0.06717
95
90
85
80
75
70
65
60

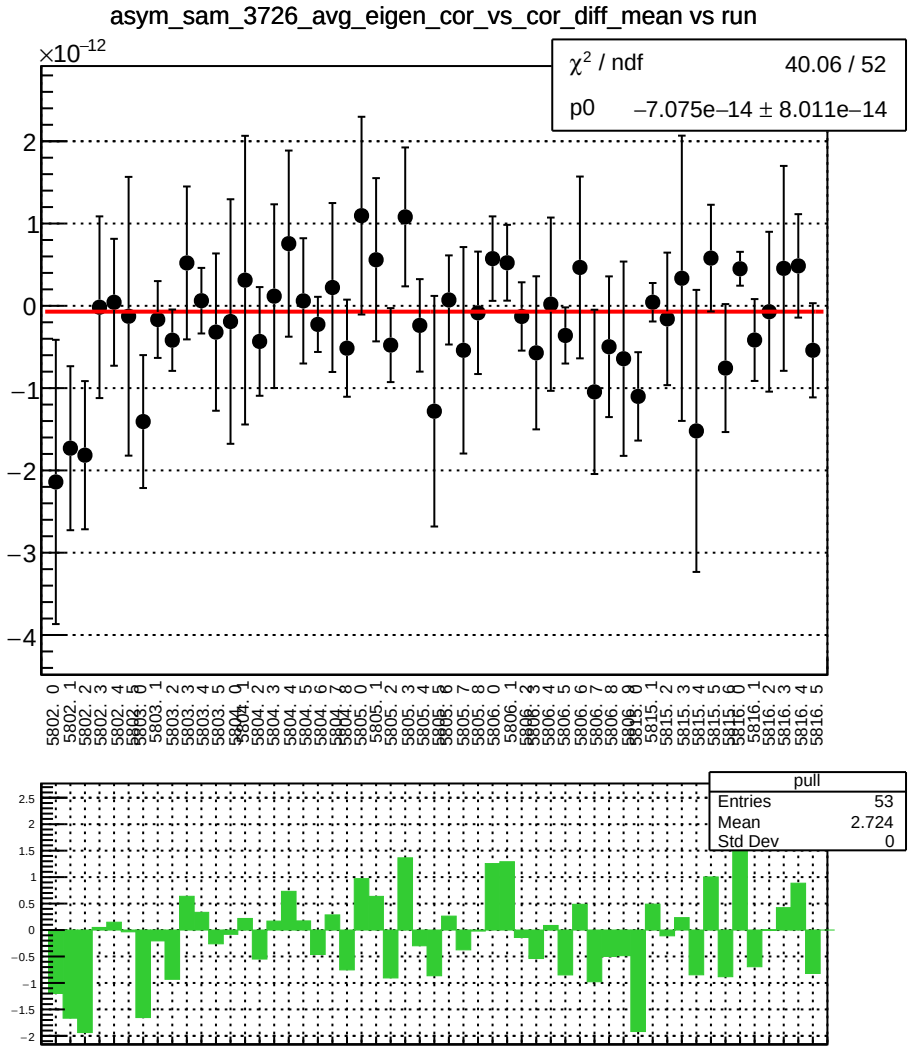
asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

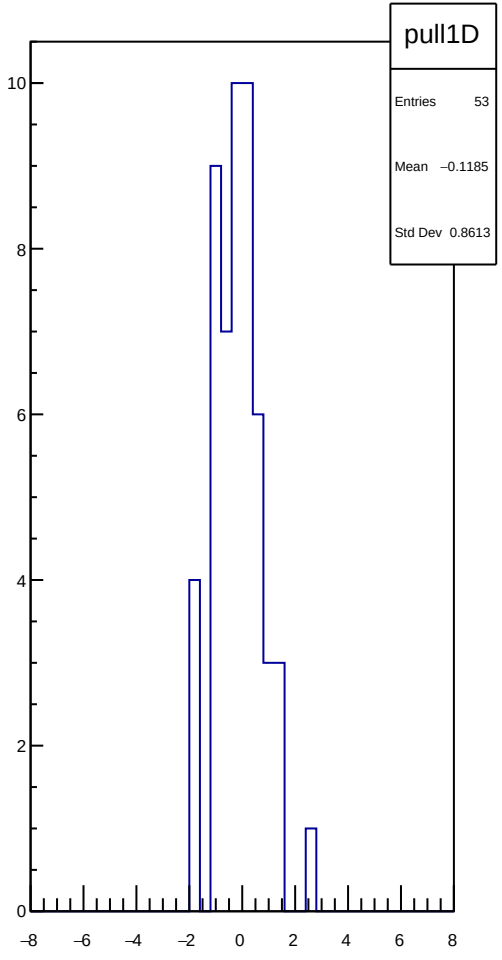


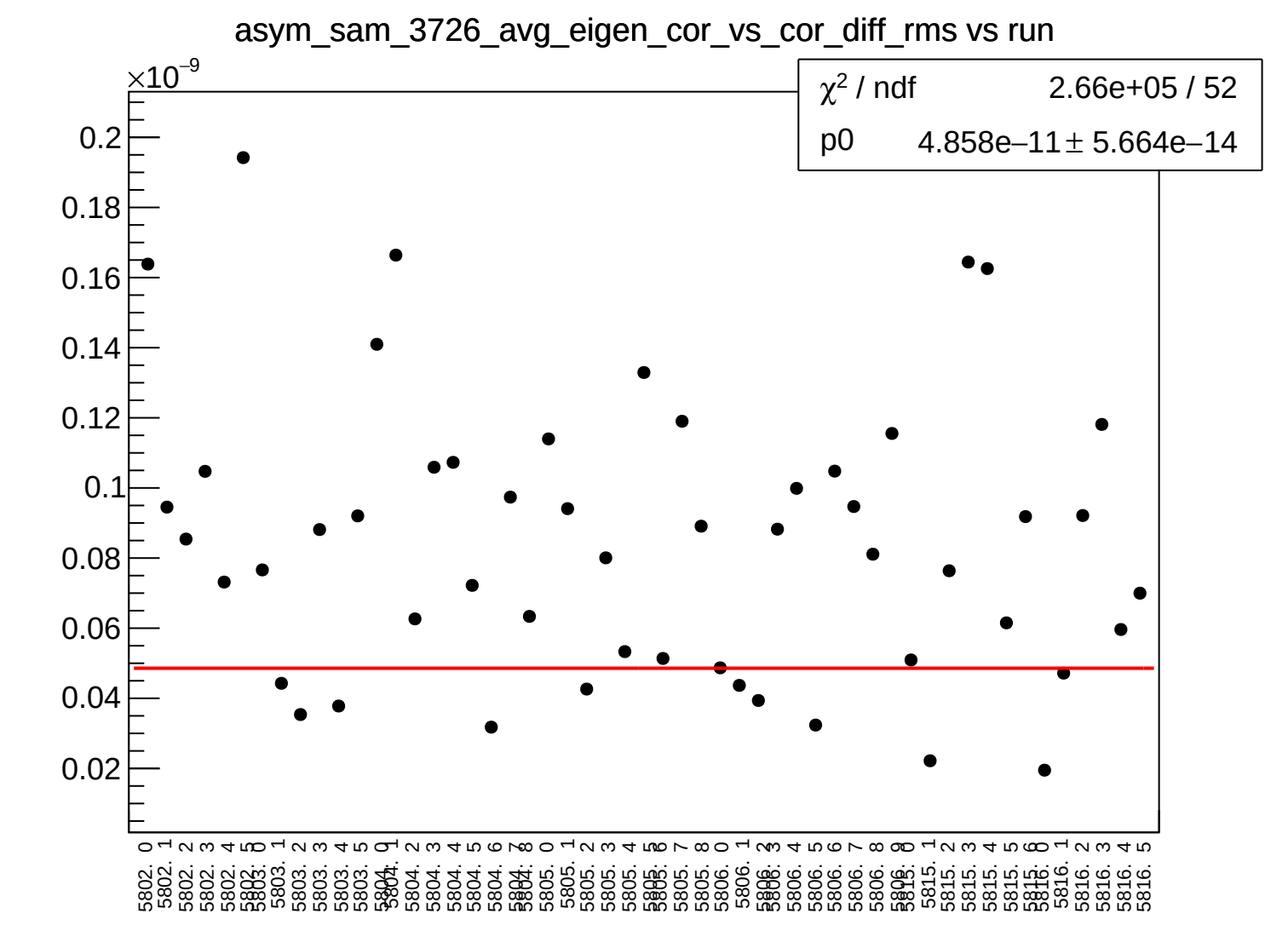


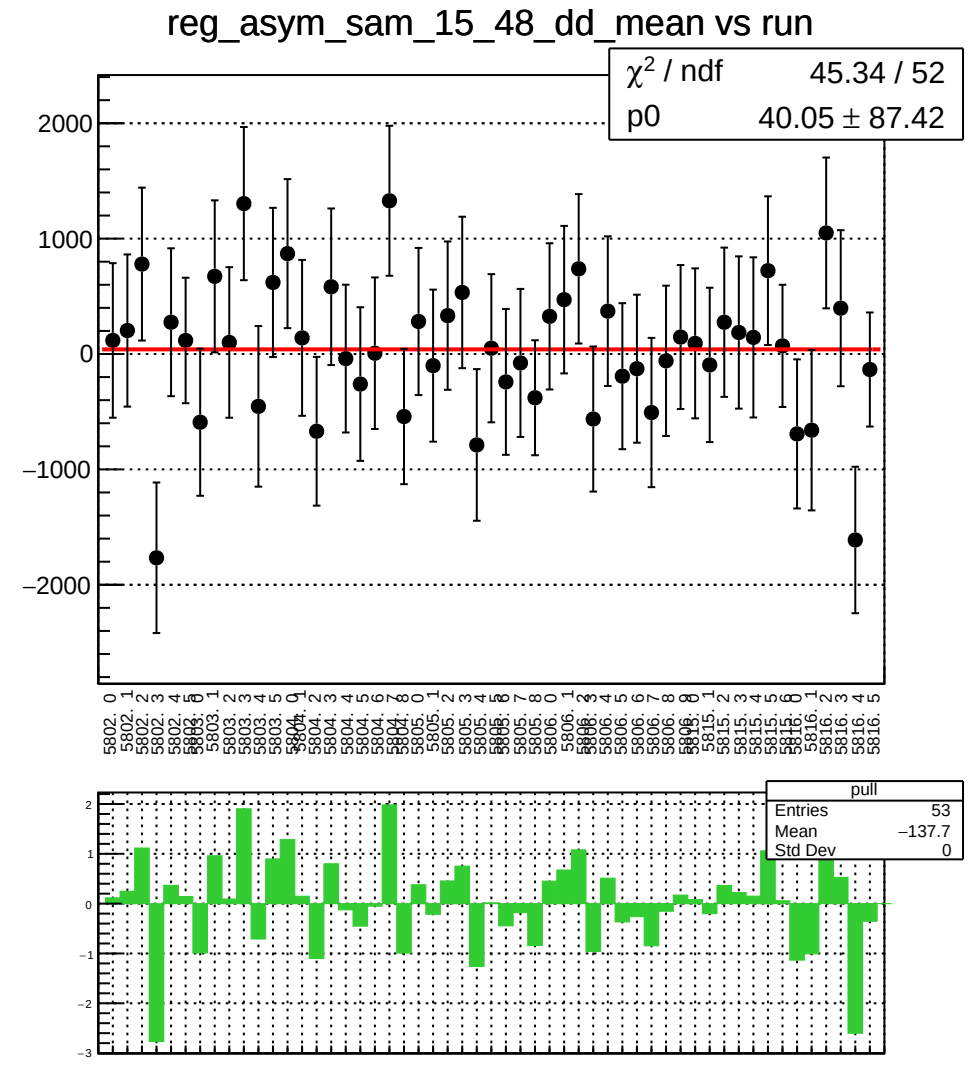


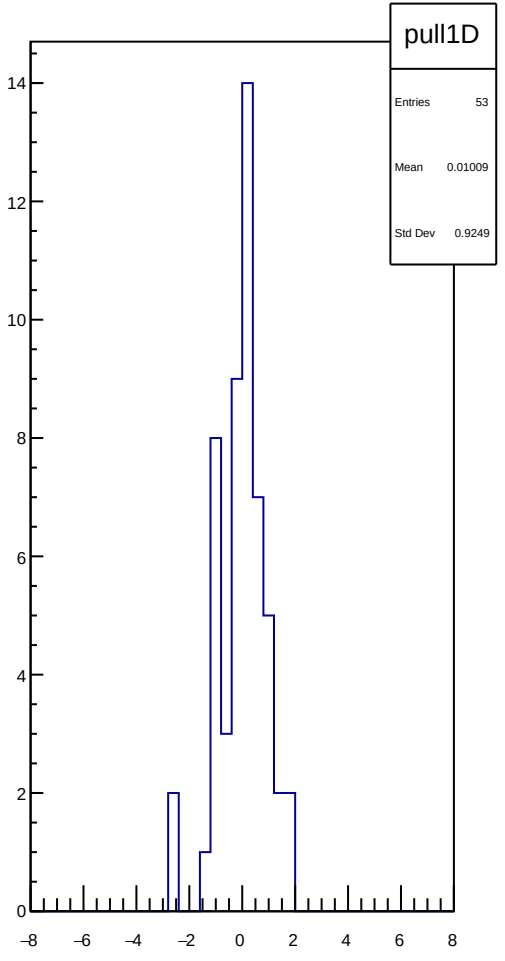

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9377 / 52
p0 66.9 ± 0.06717
95
90
85
80
75
70
65
60

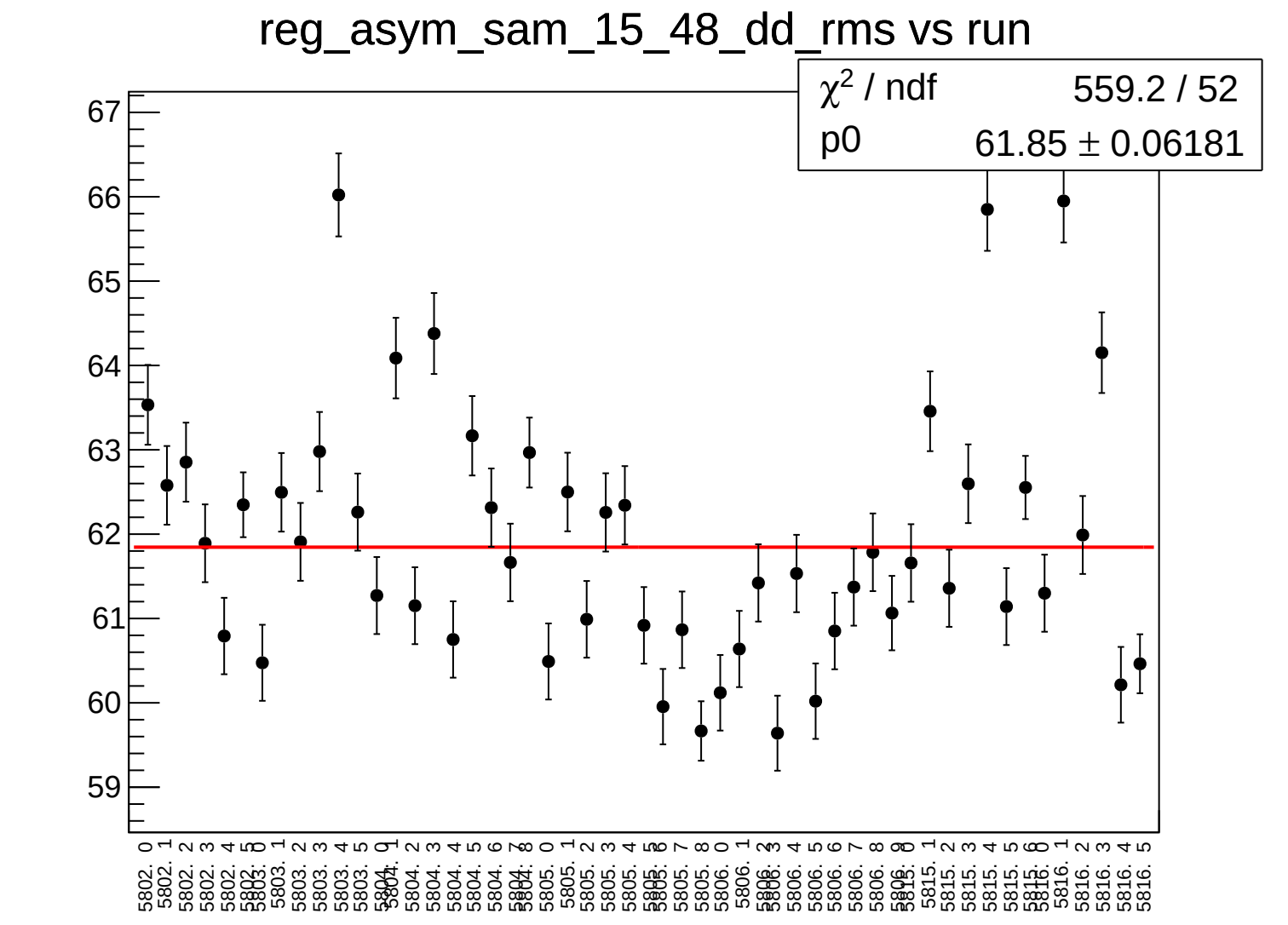

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.06 / 52
p0 −7.075e−14 ± 8.011e−14
pull
Entries 53
Mean 2.724
Std Dev 0

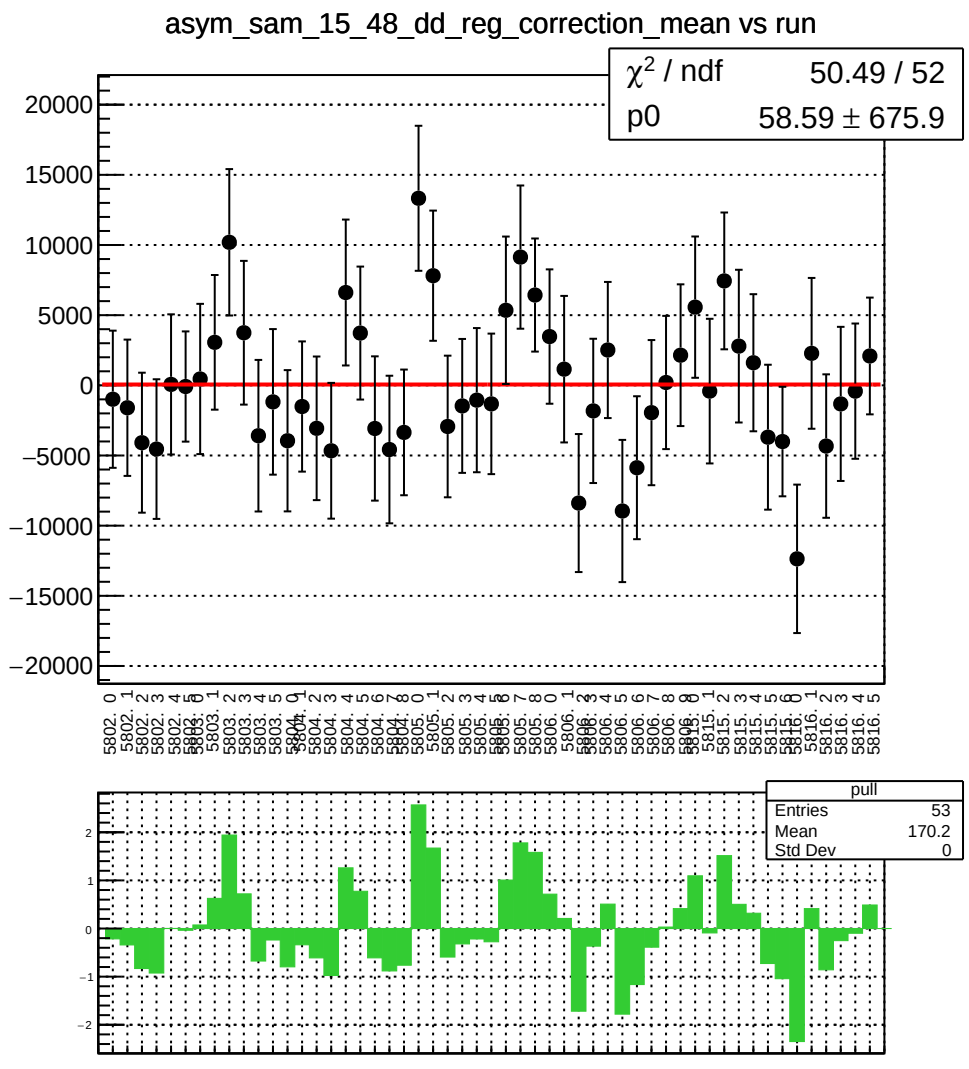

pull1D
Entries 53
Mean −0.1185
Std Dev 0.8613

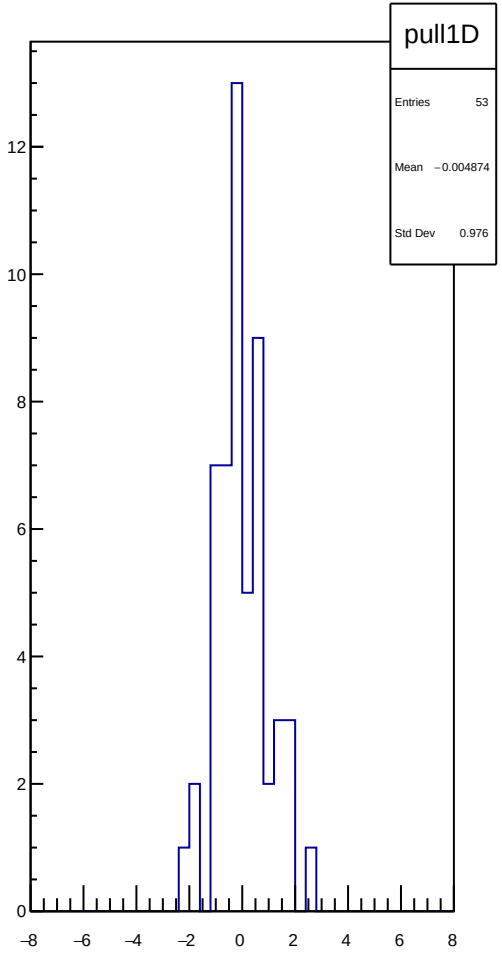

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.66e+05 / 52
p0 4.858e−11 ± 5.664e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

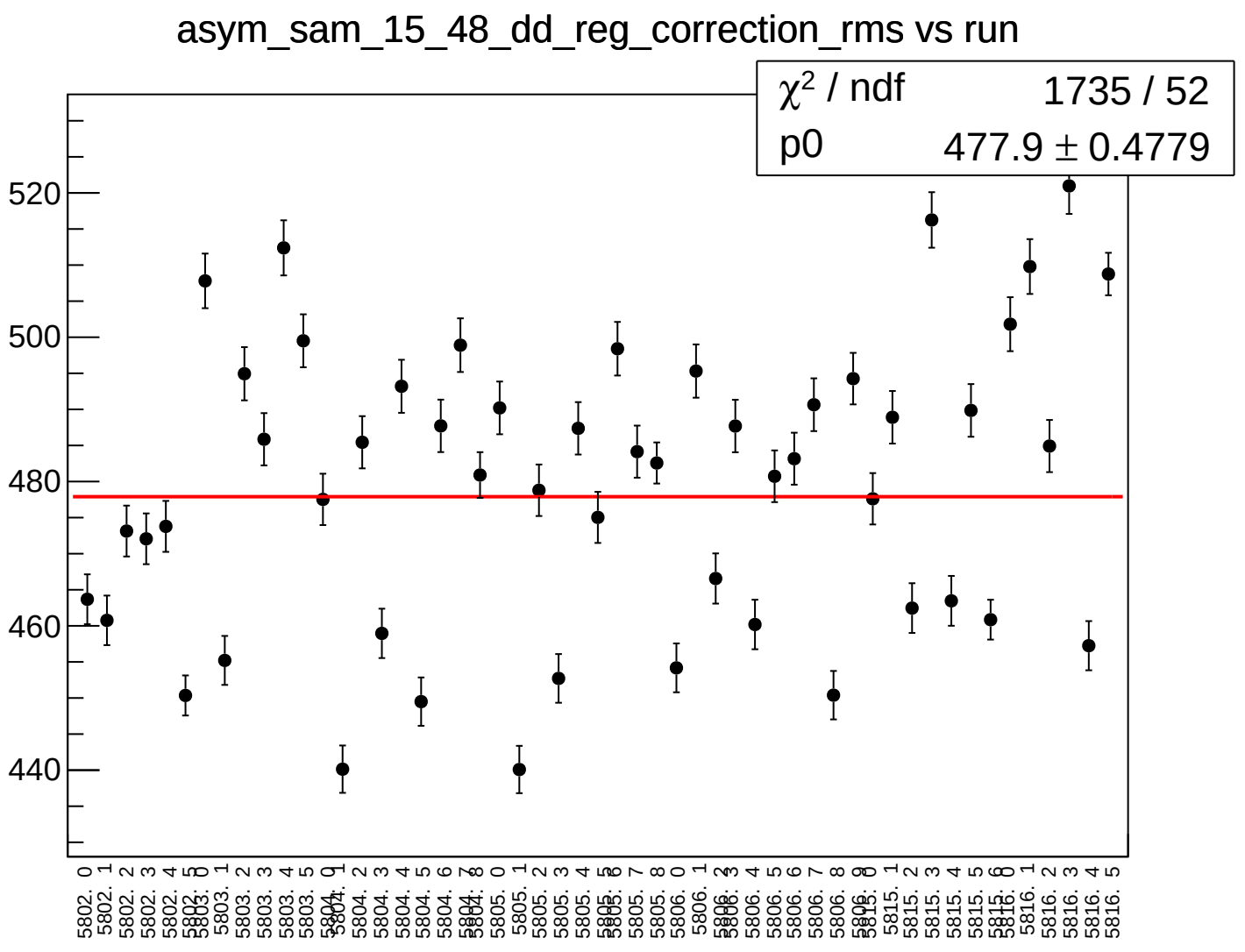

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 45.34 / 52
p0 40.05 ± 87.42
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −137.7
Std Dev 0

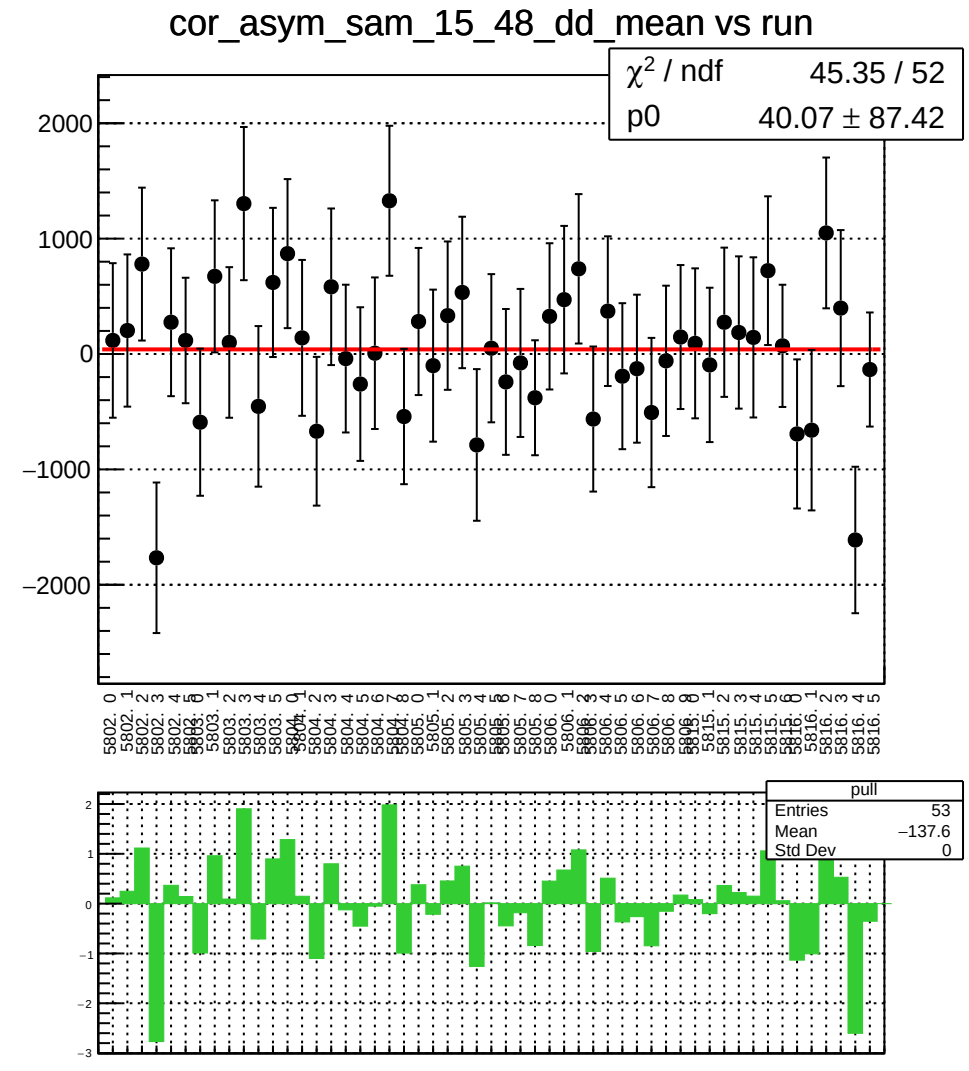

pull1D
Entries 53
Mean 0.01009
Std Dev 0.9249
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

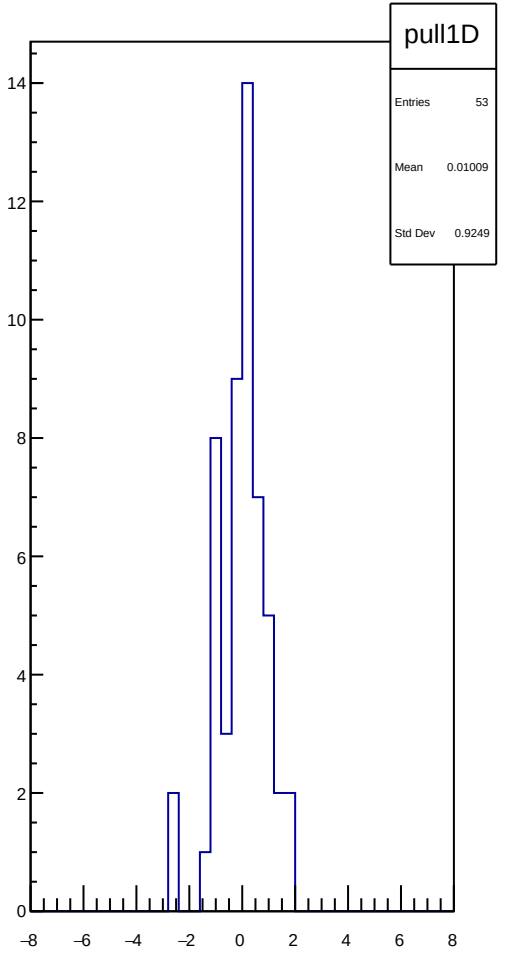

reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 559.2 / 52
p0 61.85 ± 0.06181
67
66
65
64
63
62
61
60
59
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

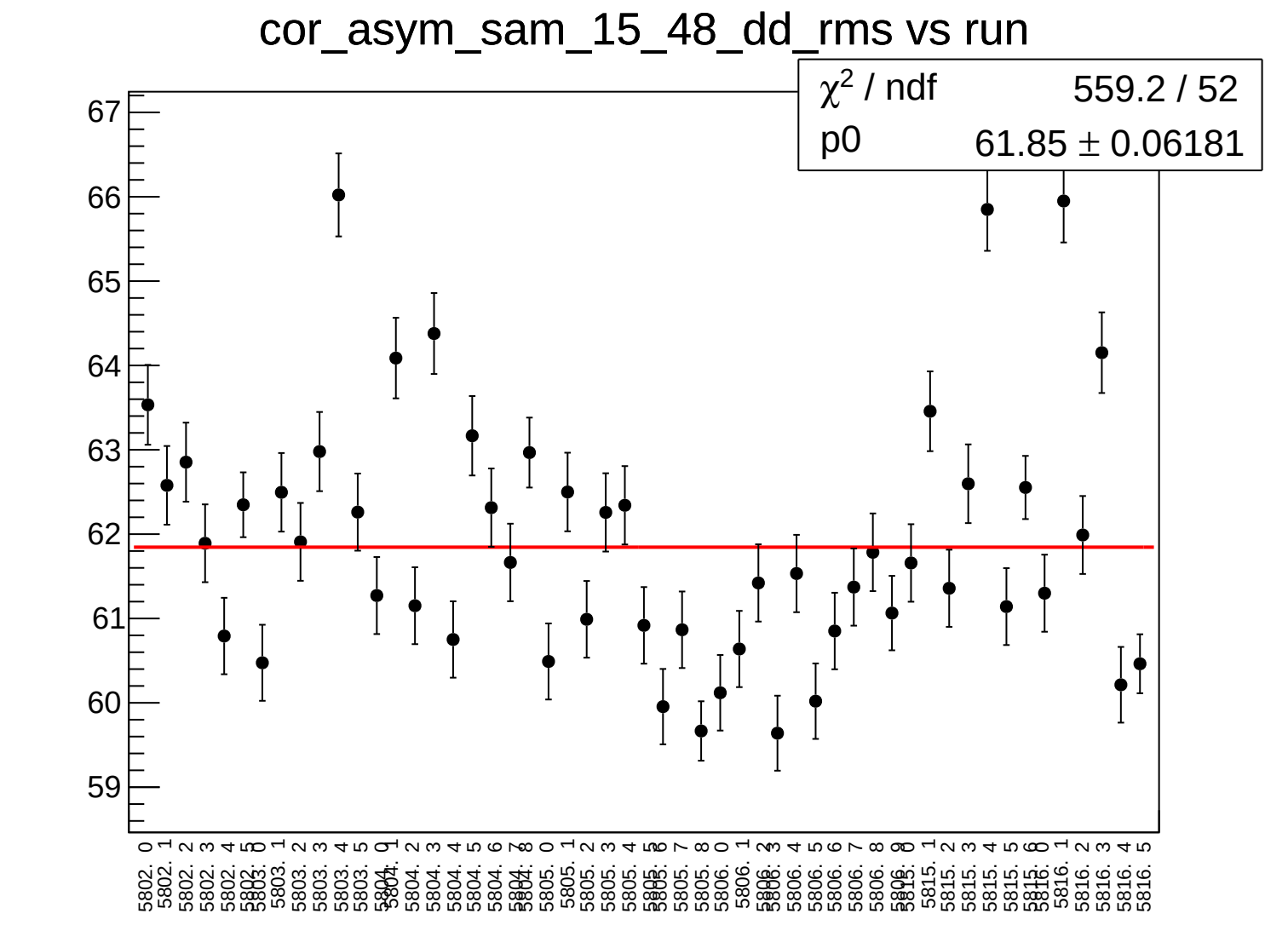

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 50.49 / 52
p0 58.59 ± 675.9
pull
Entries 53
Mean 170.2
Std Dev 0

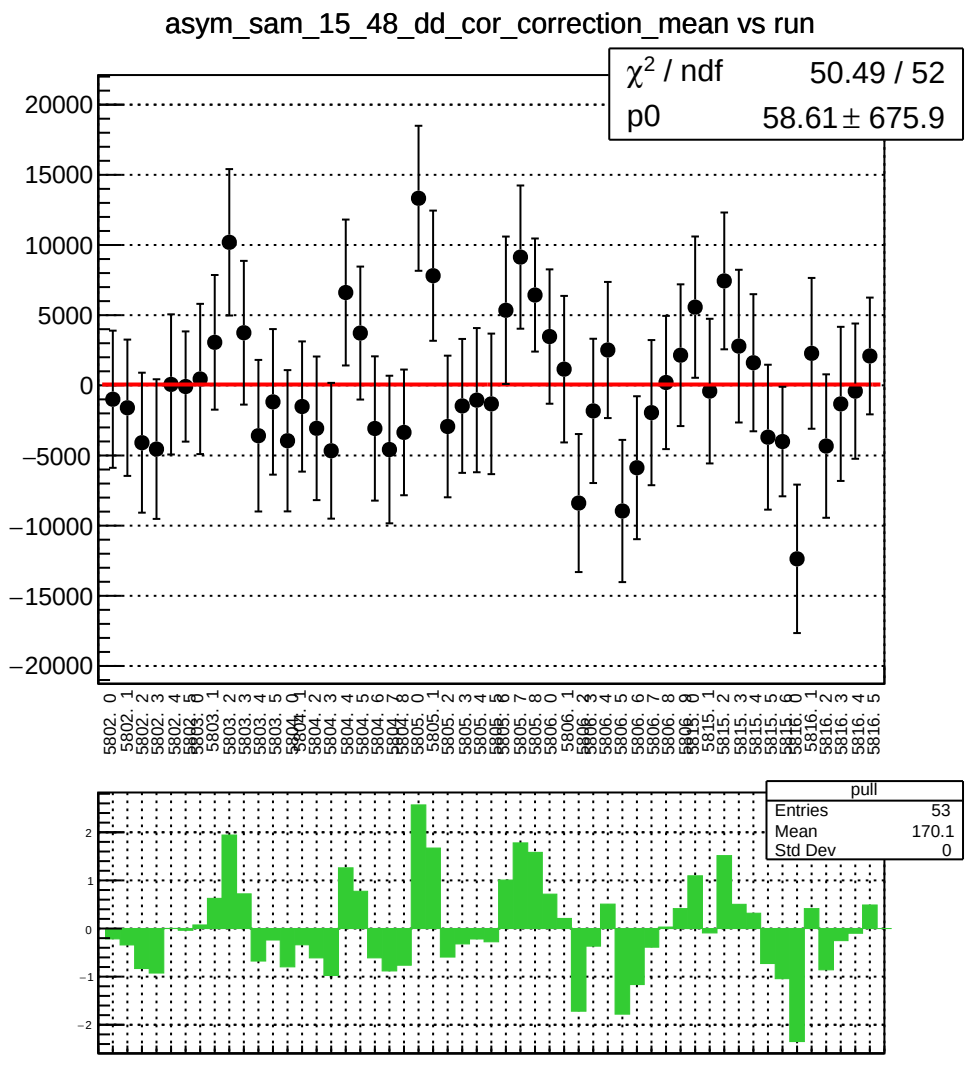

pull1D
Entries 53
Mean −0.004874
Std Dev 0.976

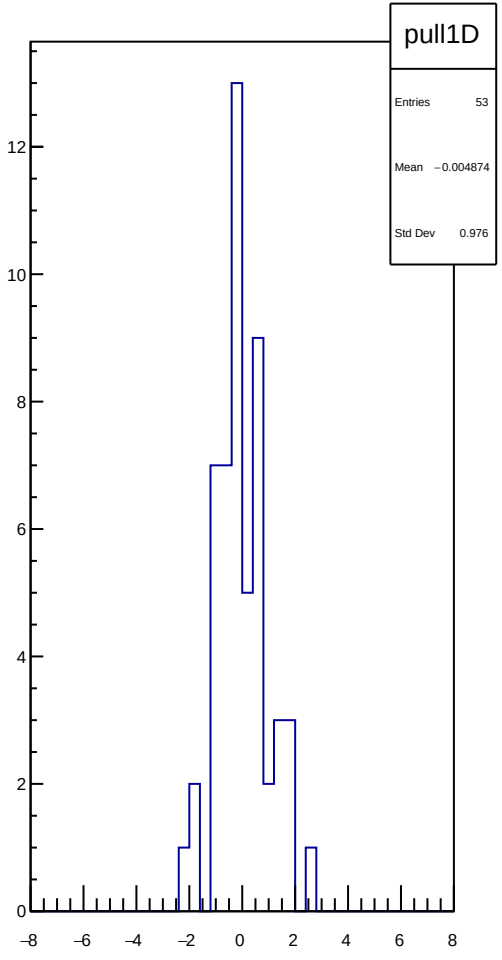

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1735 / 52
p0 477.9 ± 0.4779
520
500
480
460
440

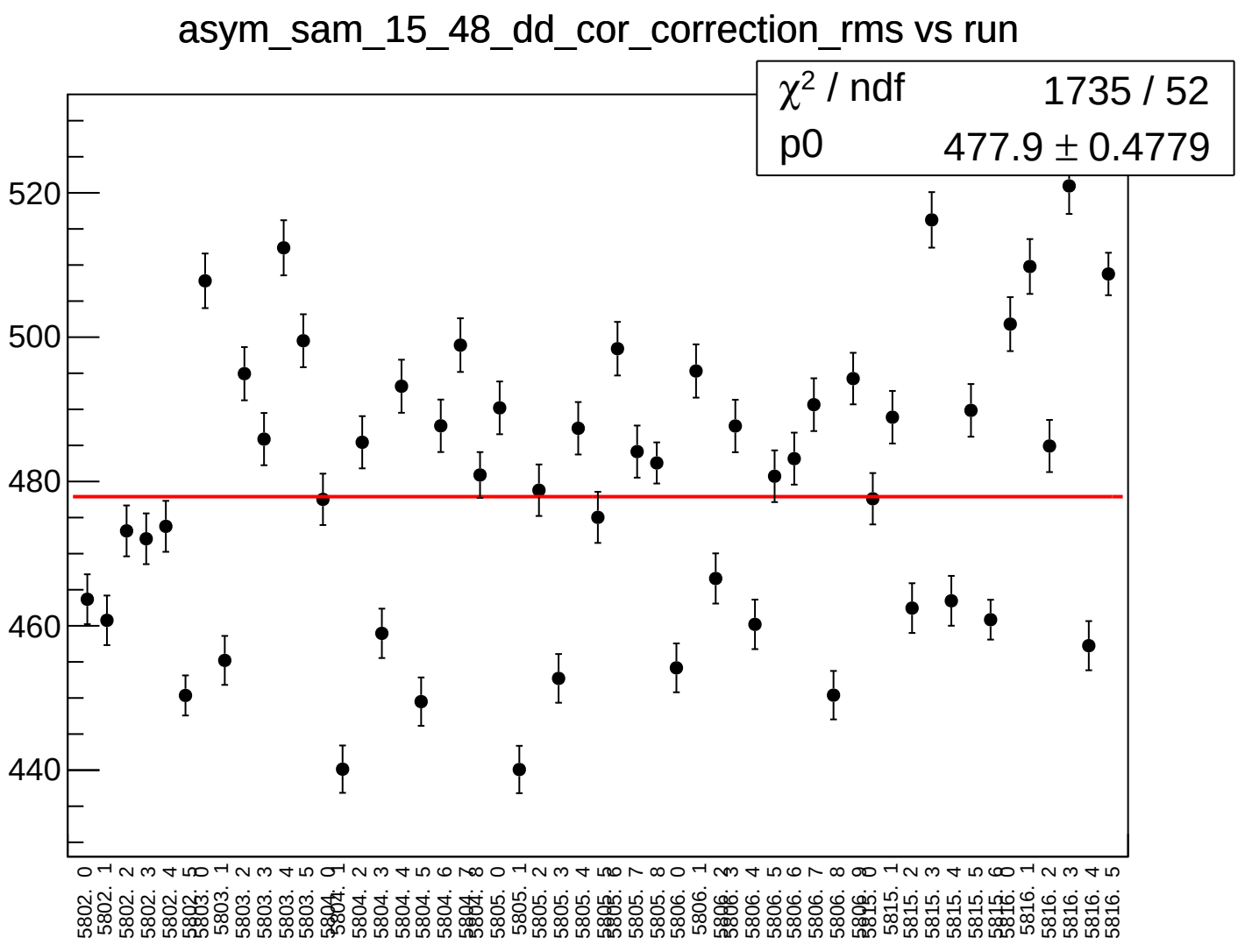

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 45.35 / 52
p0 40.07 ± 87.42
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −137.6
Std Dev 0

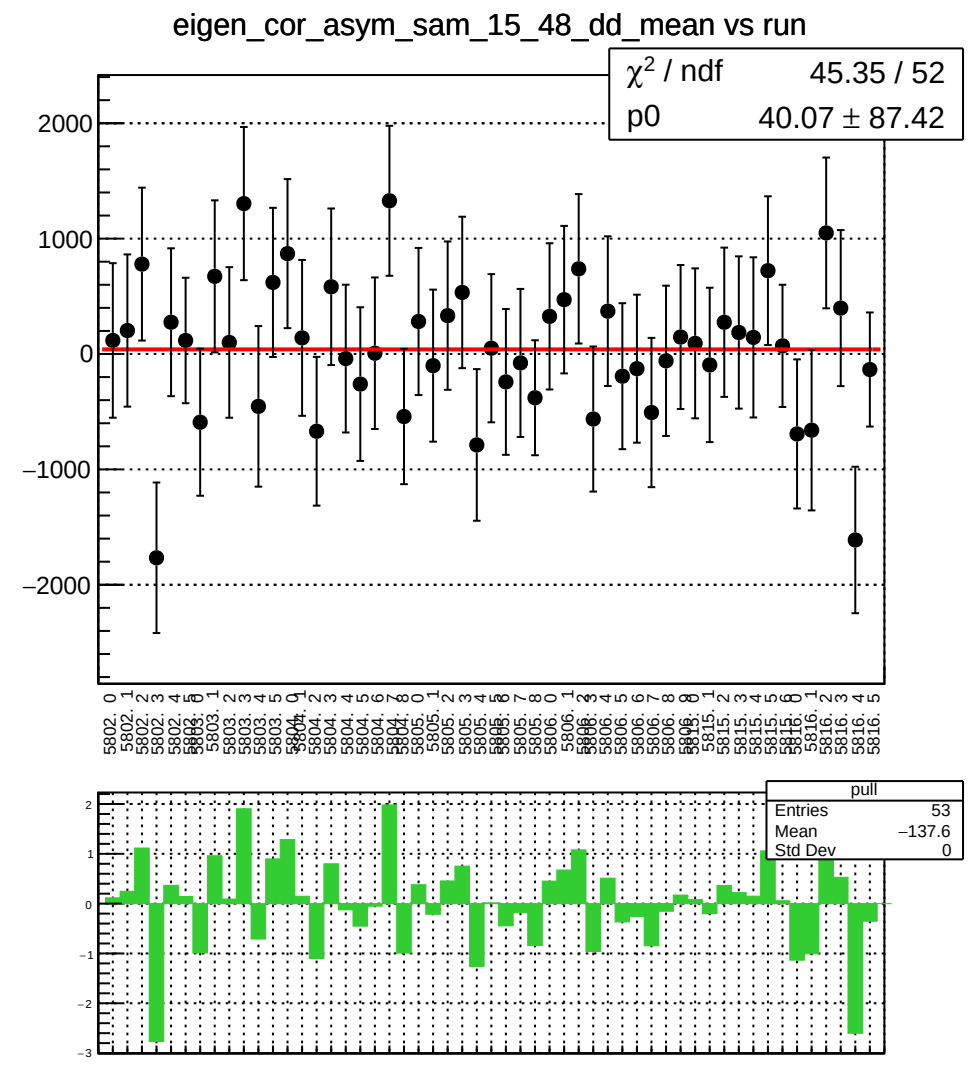

pull1D
Entries 53
Mean 0.01009
Std Dev 0.9249
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

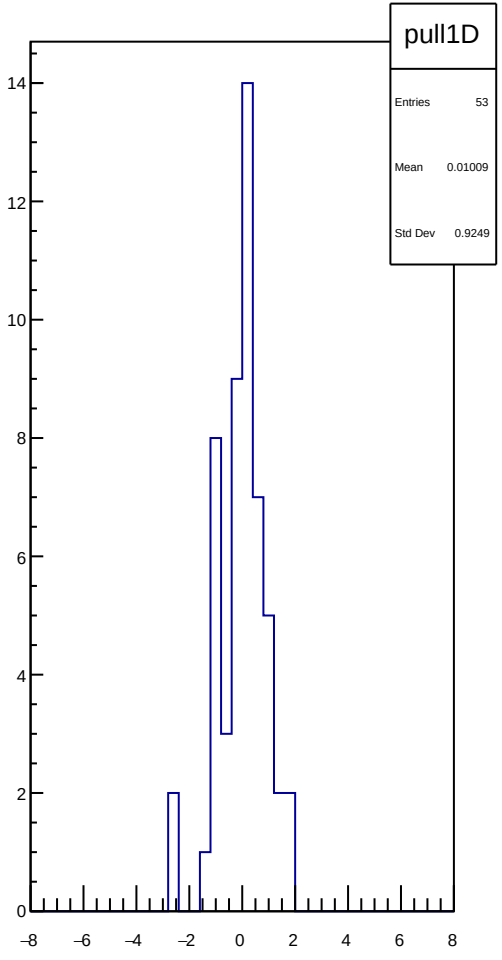

cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 559.2 / 52
p0 61.85 ± 0.06181
67
66
65
64
63
62
61
60
59

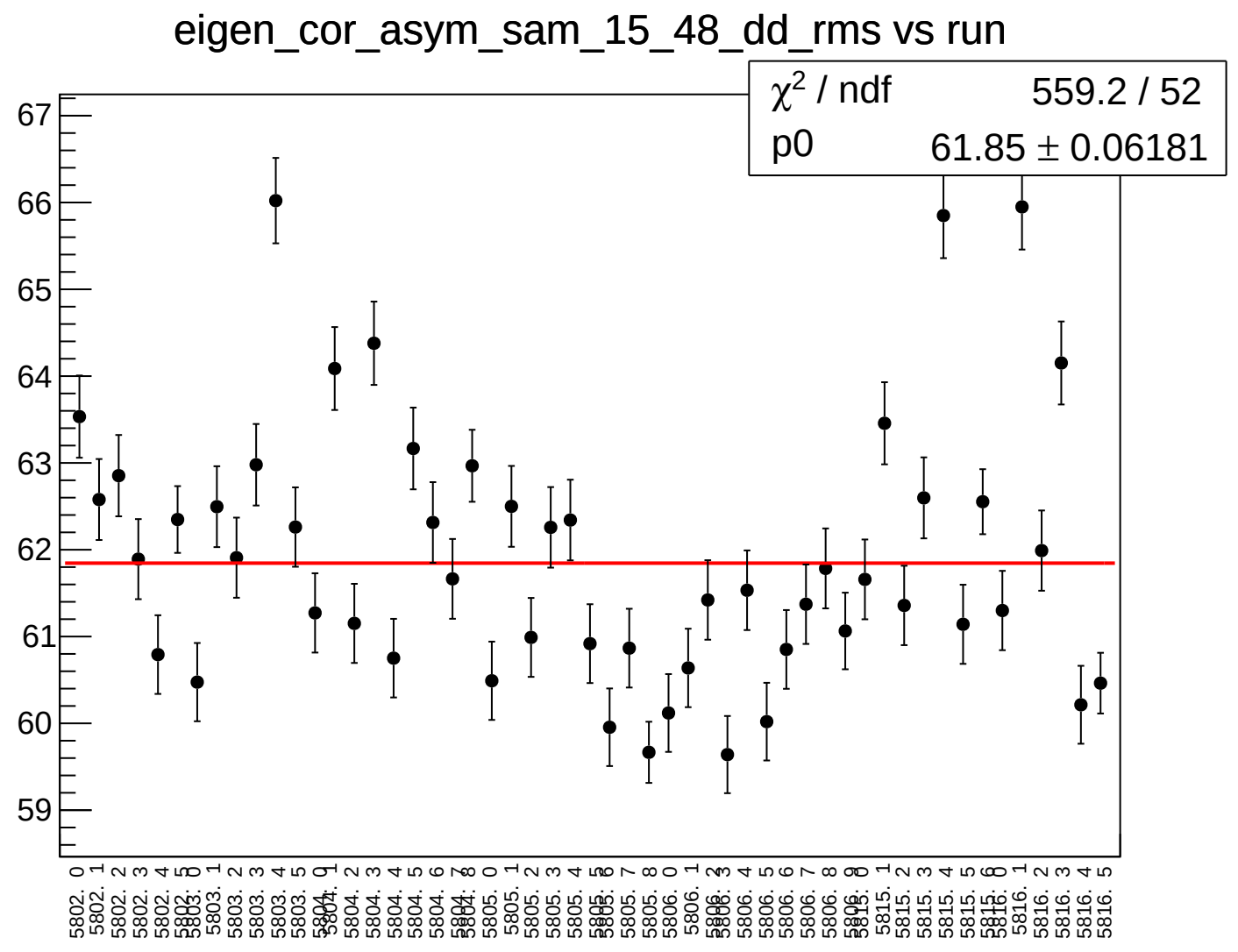

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 50.49 / 52
p0 58.61 ± 675.9
pull
Entries 53
Mean 170.1
Std Dev 0

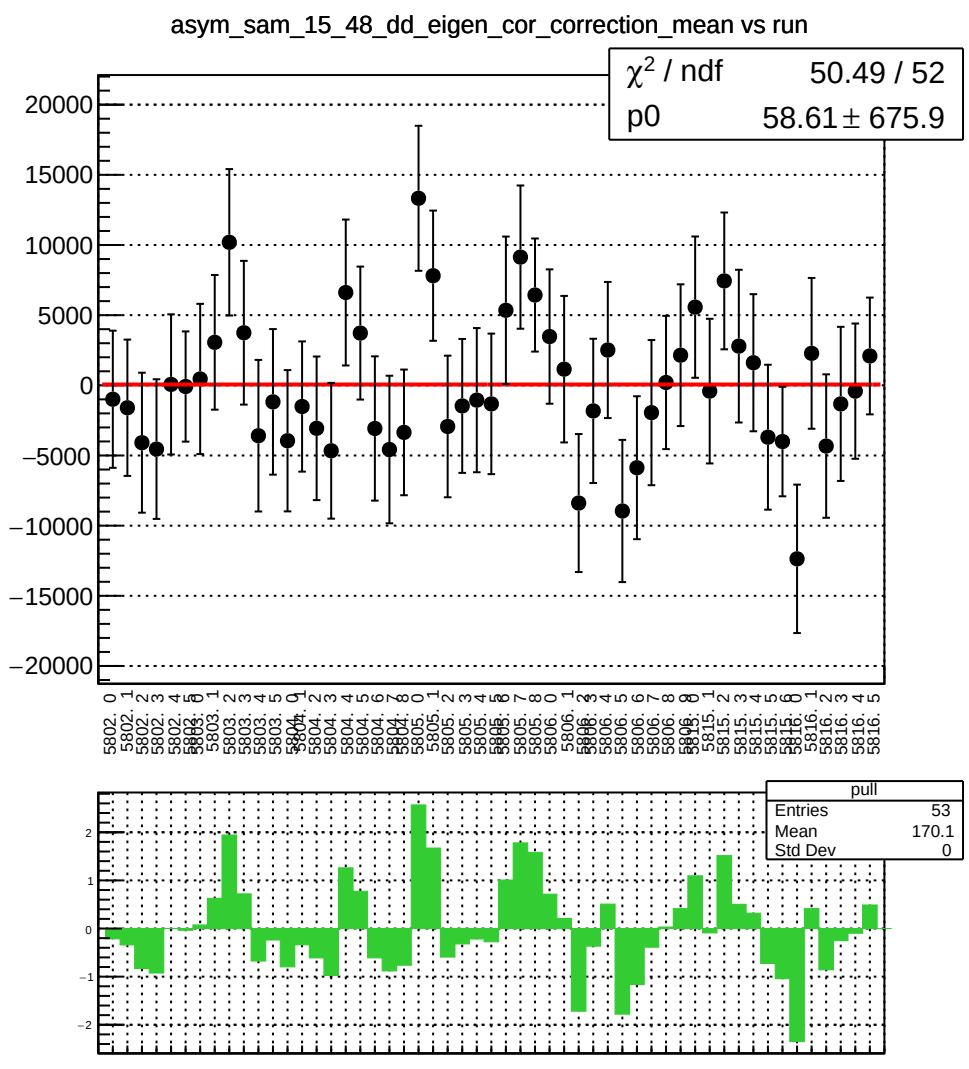

pull1D
Entries 53
Mean −0.004874
Std Dev 0.976

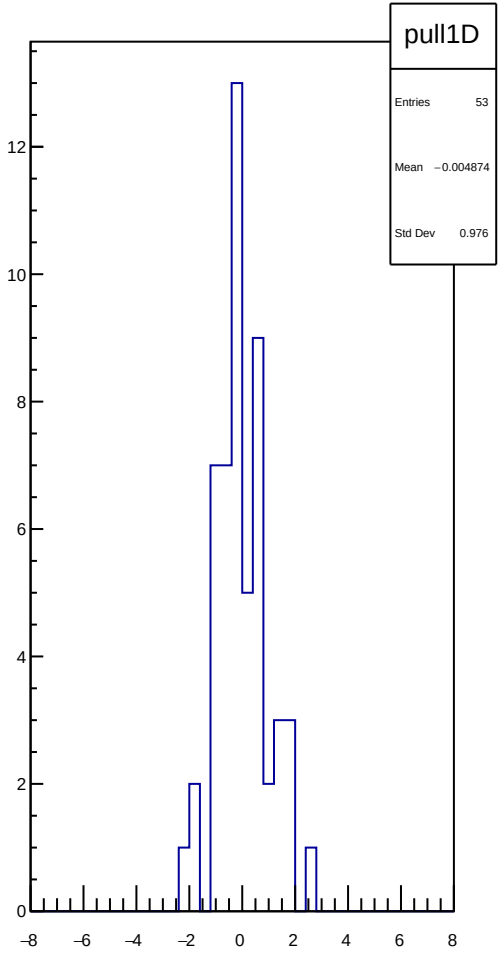

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1735 / 52
p0 477.9 ± 0.4779
520
500
480
460
440

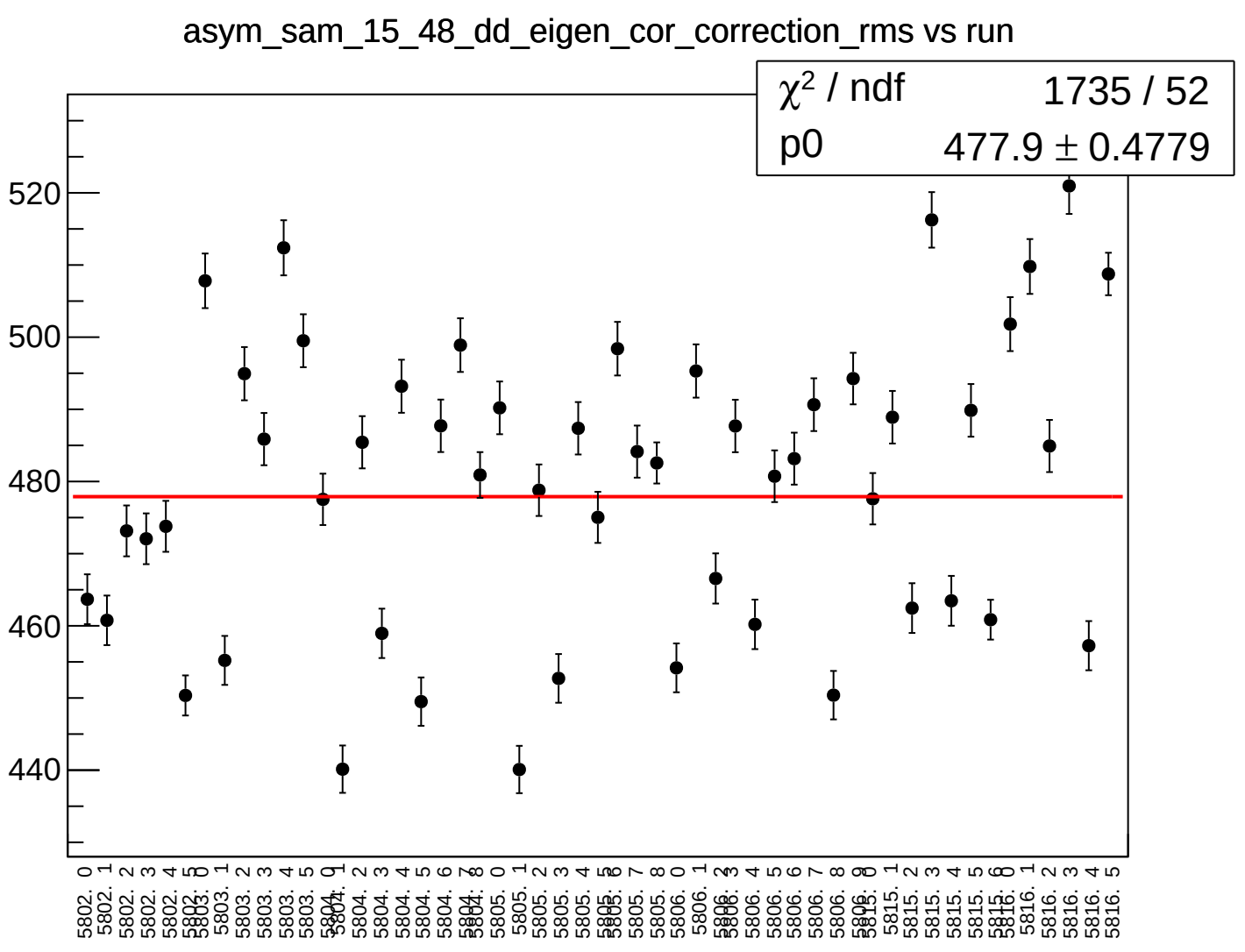

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 45.35 / 52
p0 40.07 ± 87.42
2000
1000
0
−1000
−2000
pull
Entries 53
Mean −137.6
Std Dev 0

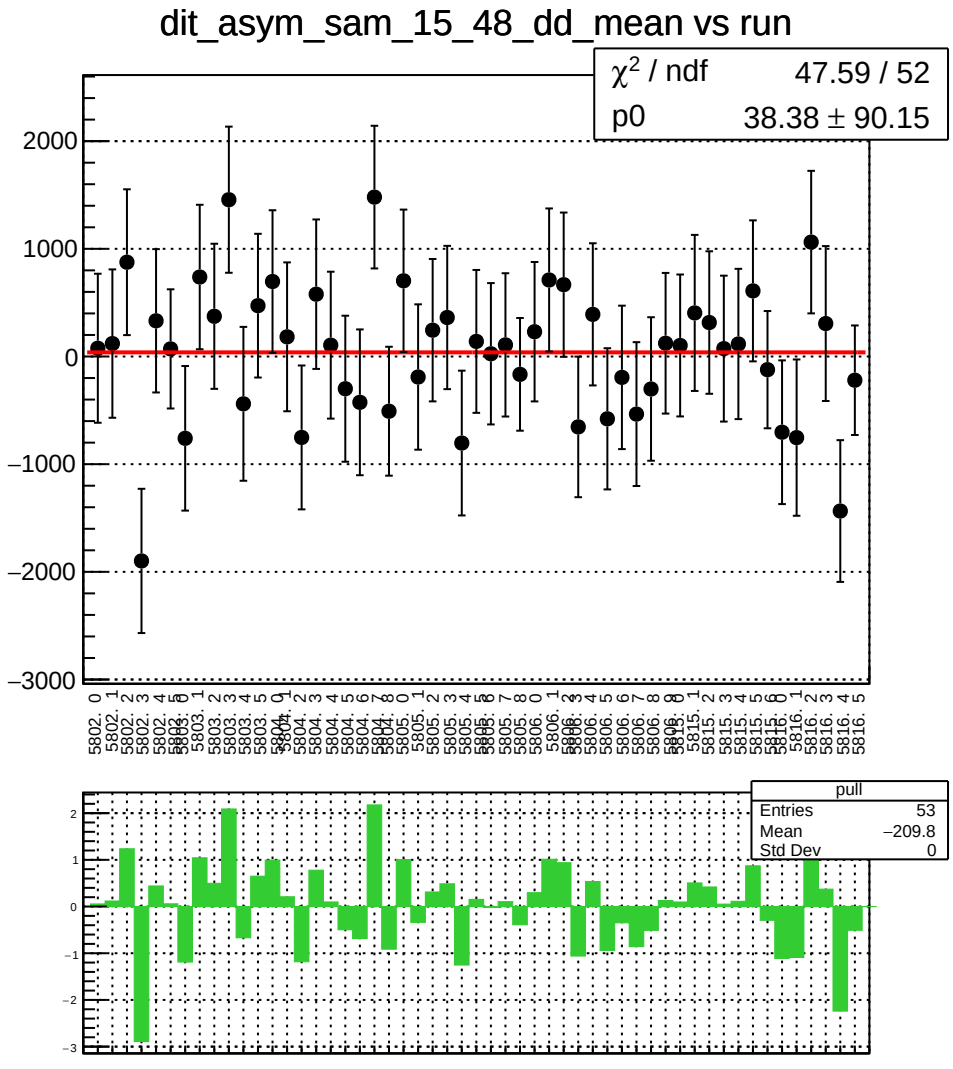

pull1D
Entries 53
Mean 0.01009
Std Dev 0.9249
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

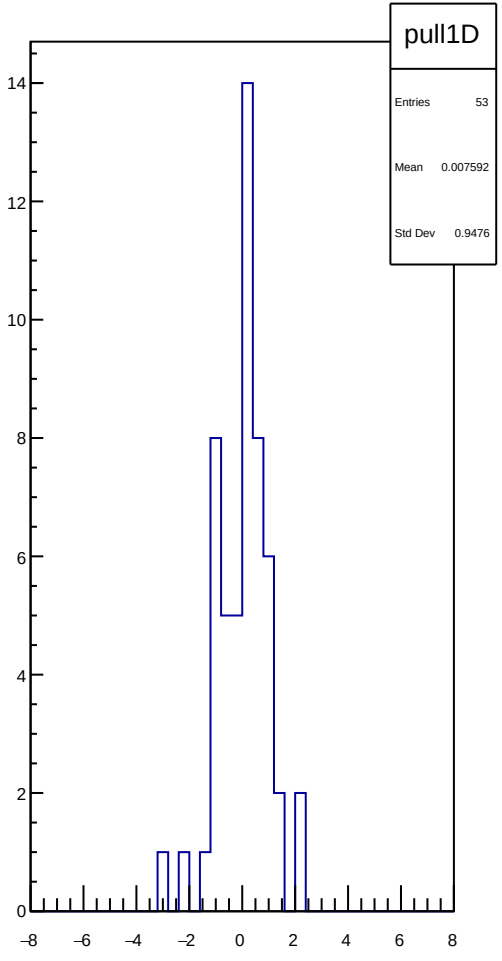

eigen_cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 559.2 / 52
p0 61.85 ± 0.06181
67
66
65
64
63
62
61
60
59

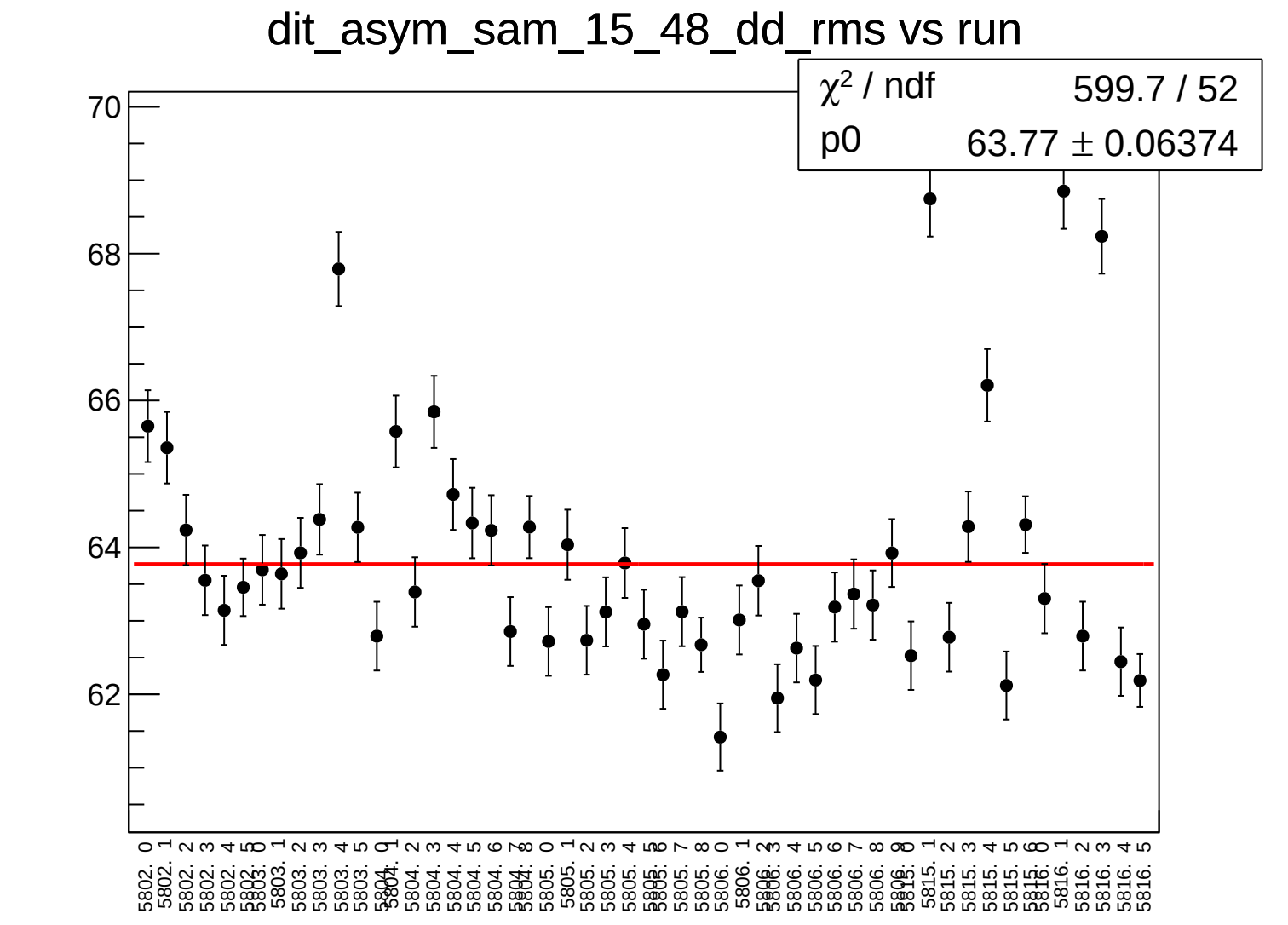

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.49 / 52
p0 58.61 ± 675.9
pull
Entries 53
Mean 170.1
Std Dev 0


pull1D
Entries 53
Mean −0.004874
Std Dev 0.976


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1735 / 52
p0 477.9 ± 0.4779
520
500
480
460
440


dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 47.59 / 52
p0 38.38 ± 90.15
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean −209.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.007592
Std Dev 0.9476
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 599.7 / 52
p0 63.77 ± 0.06374
70
68
66
64
62
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
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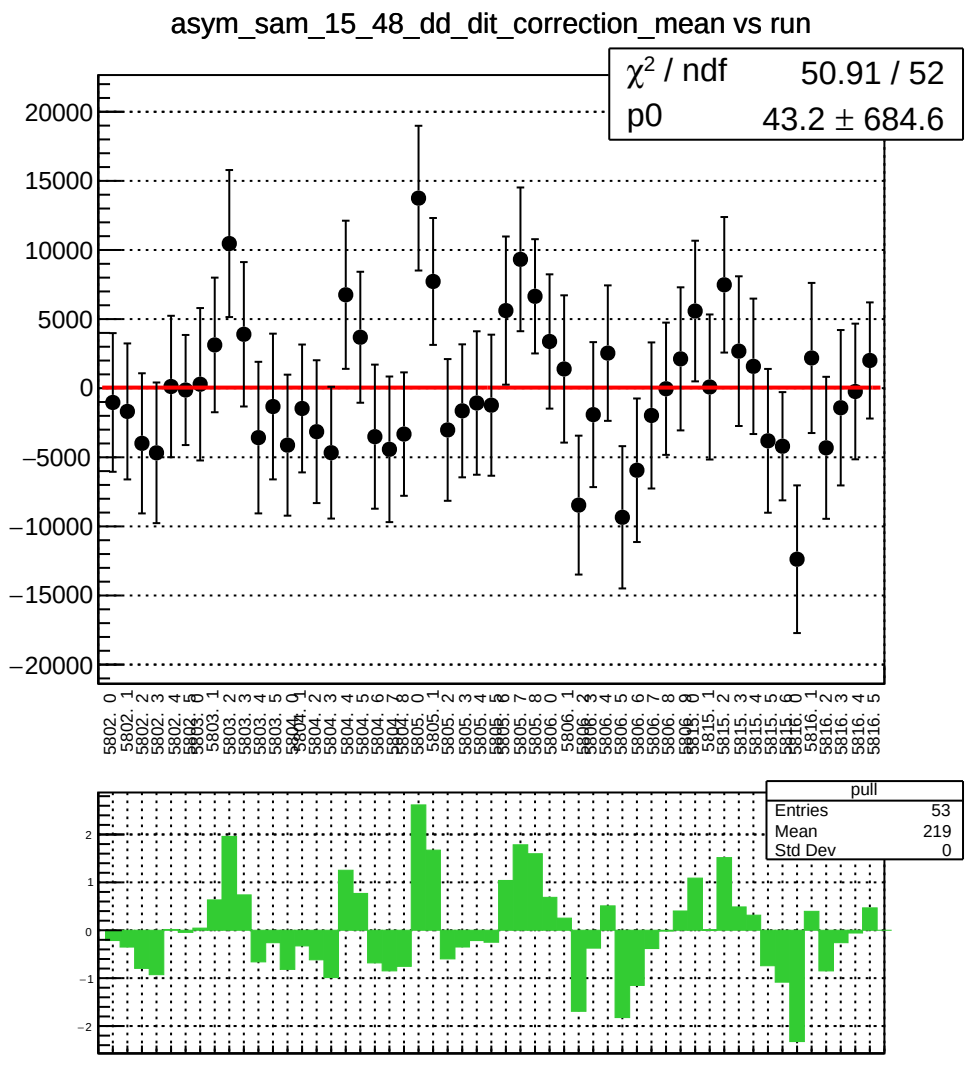
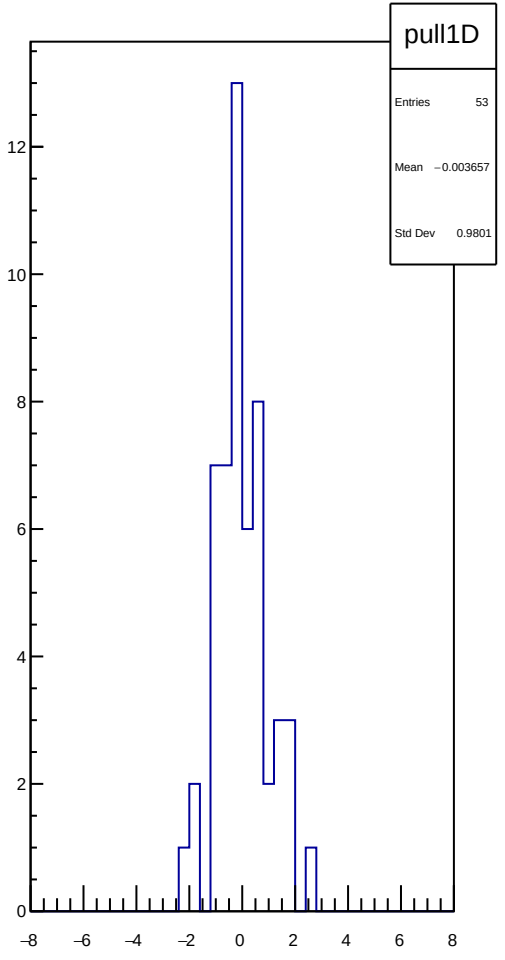
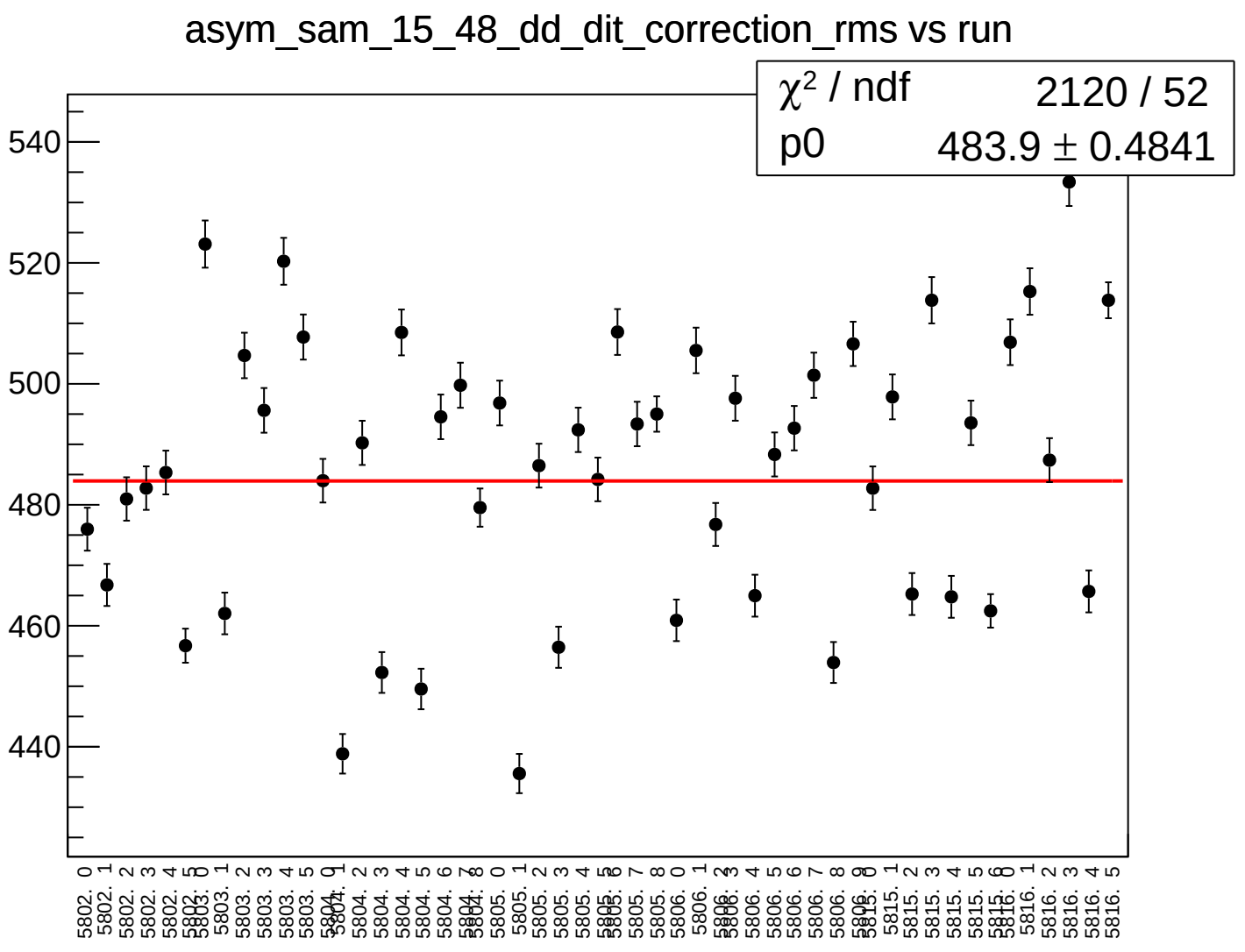
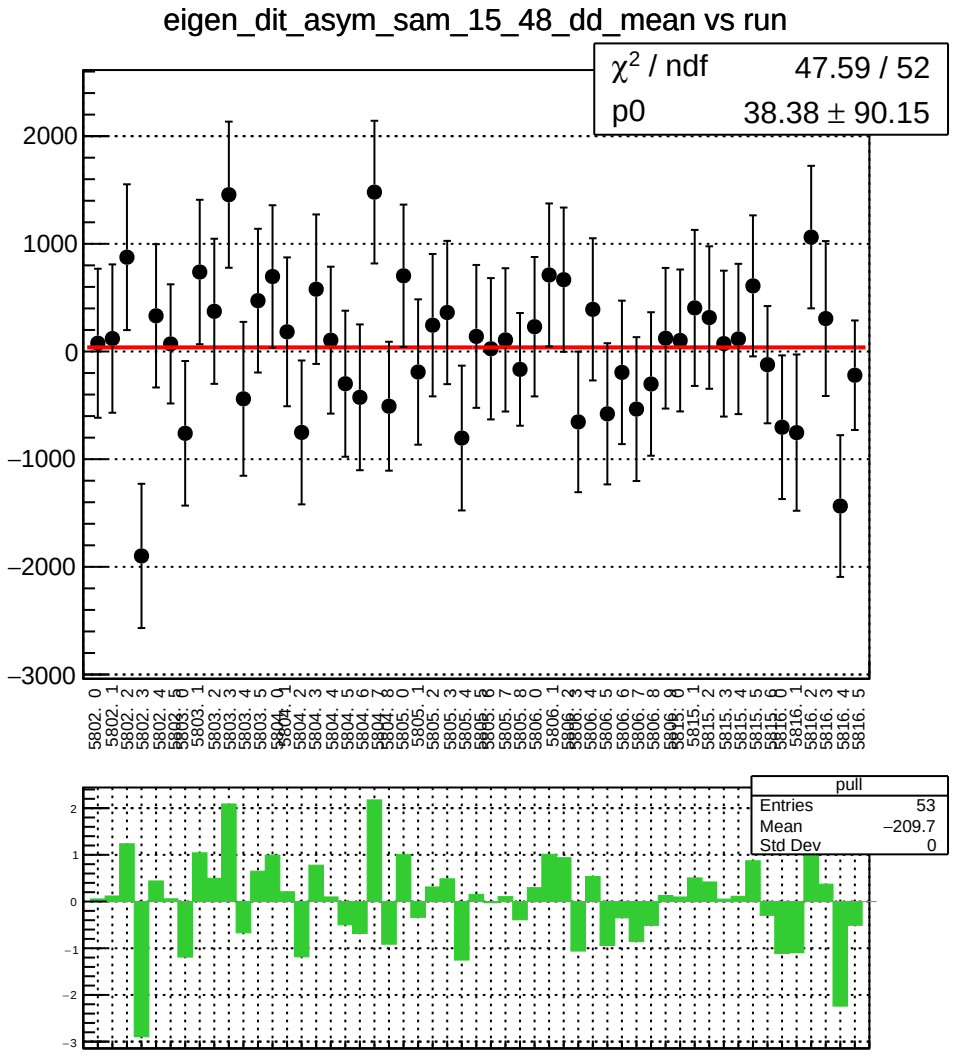
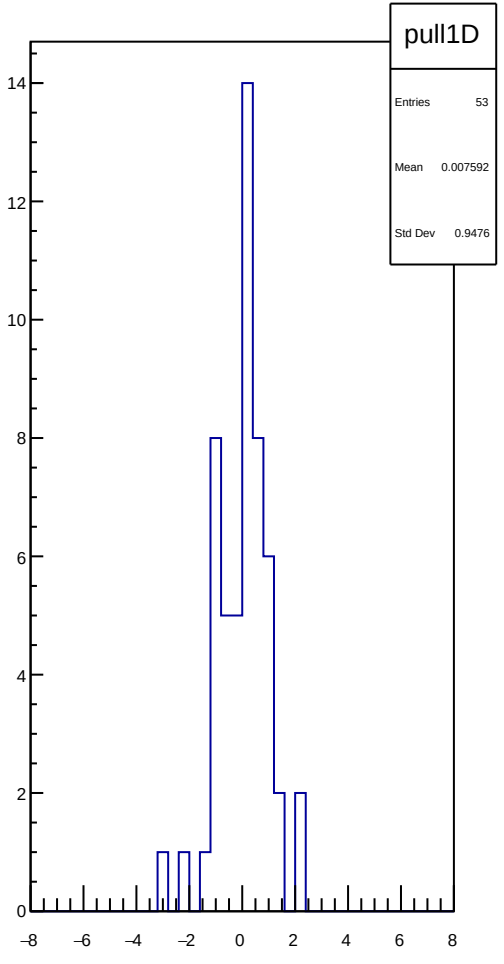
5816. 4
5816. 5

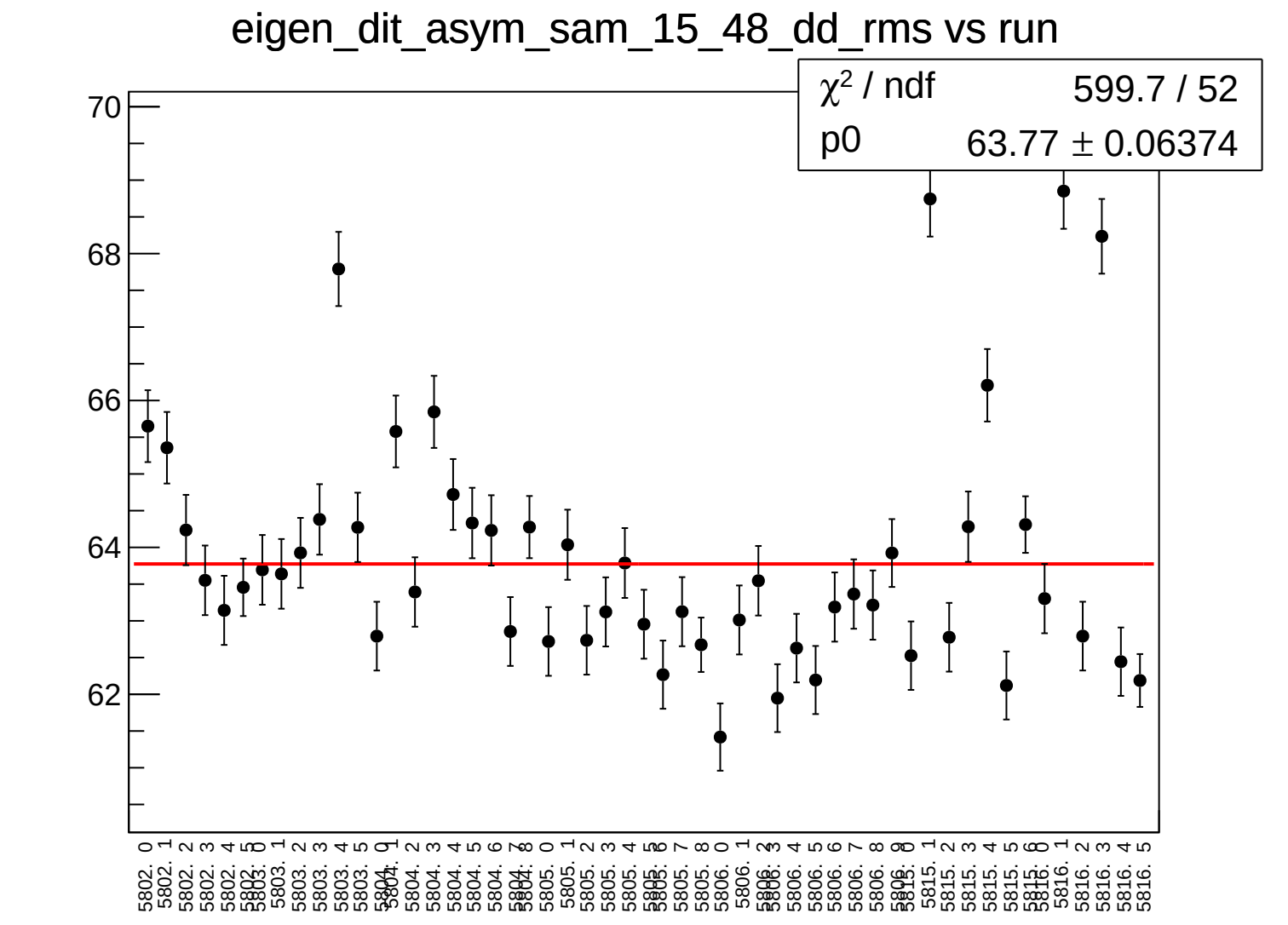

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 50.91 / 52
p0 43.2 ± 684.6
pull
Entries 53
Mean 219
Std Dev 0

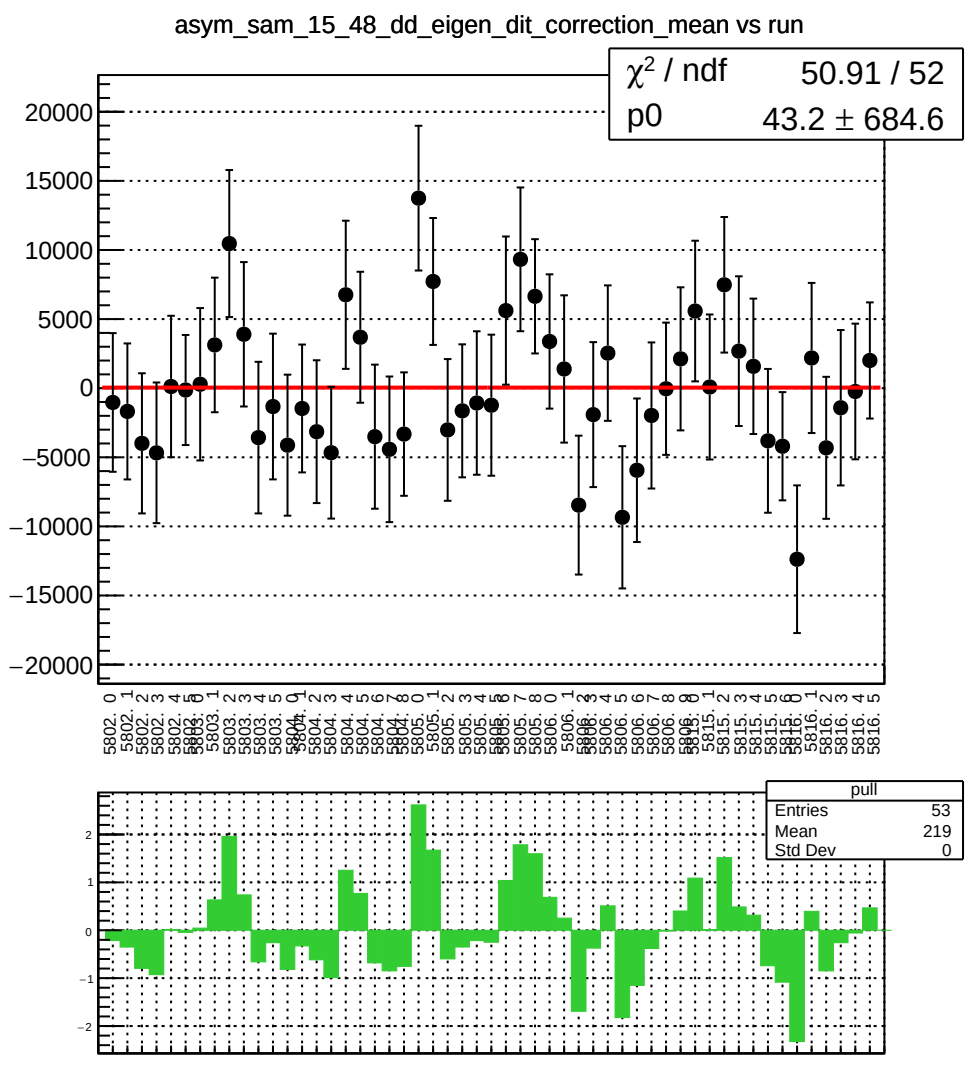

pull1D
Entries 53
Mean −0.003657
Std Dev 0.9801

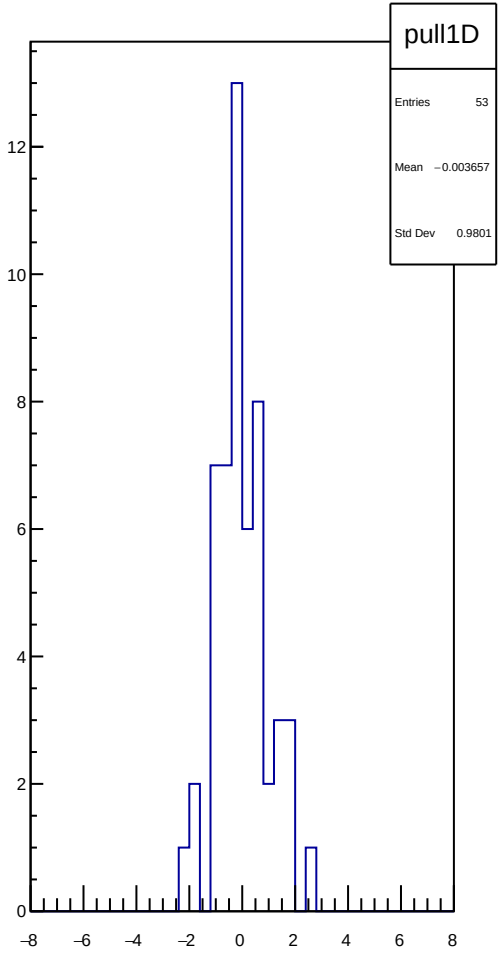

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2120 / 52
p0 483.9 ± 0.4841
540
520
500
480
460
440

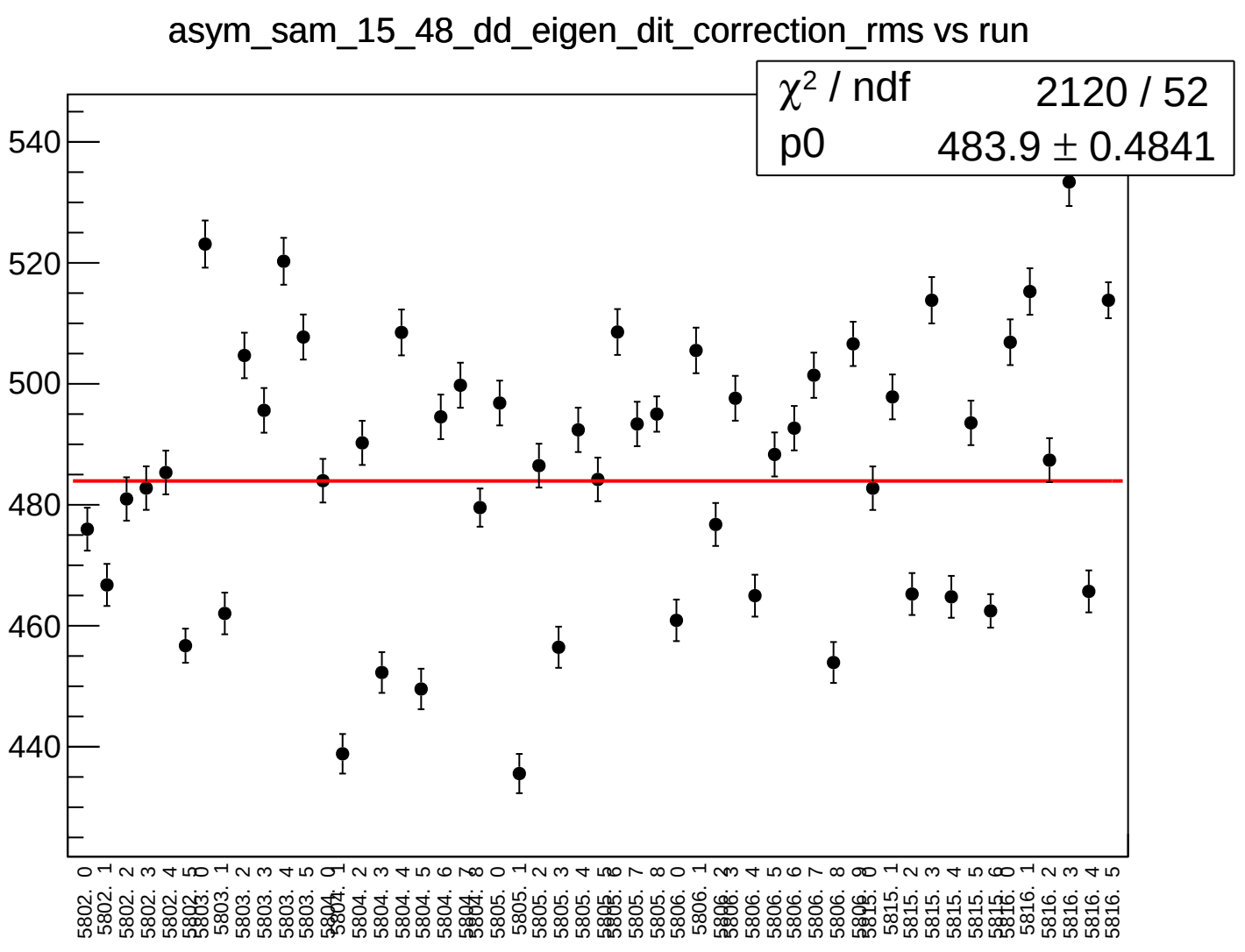

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 47.59 / 52
p0 38.38 ± 90.15
pull
Entries 53
Mean −209.7
Std Dev 0

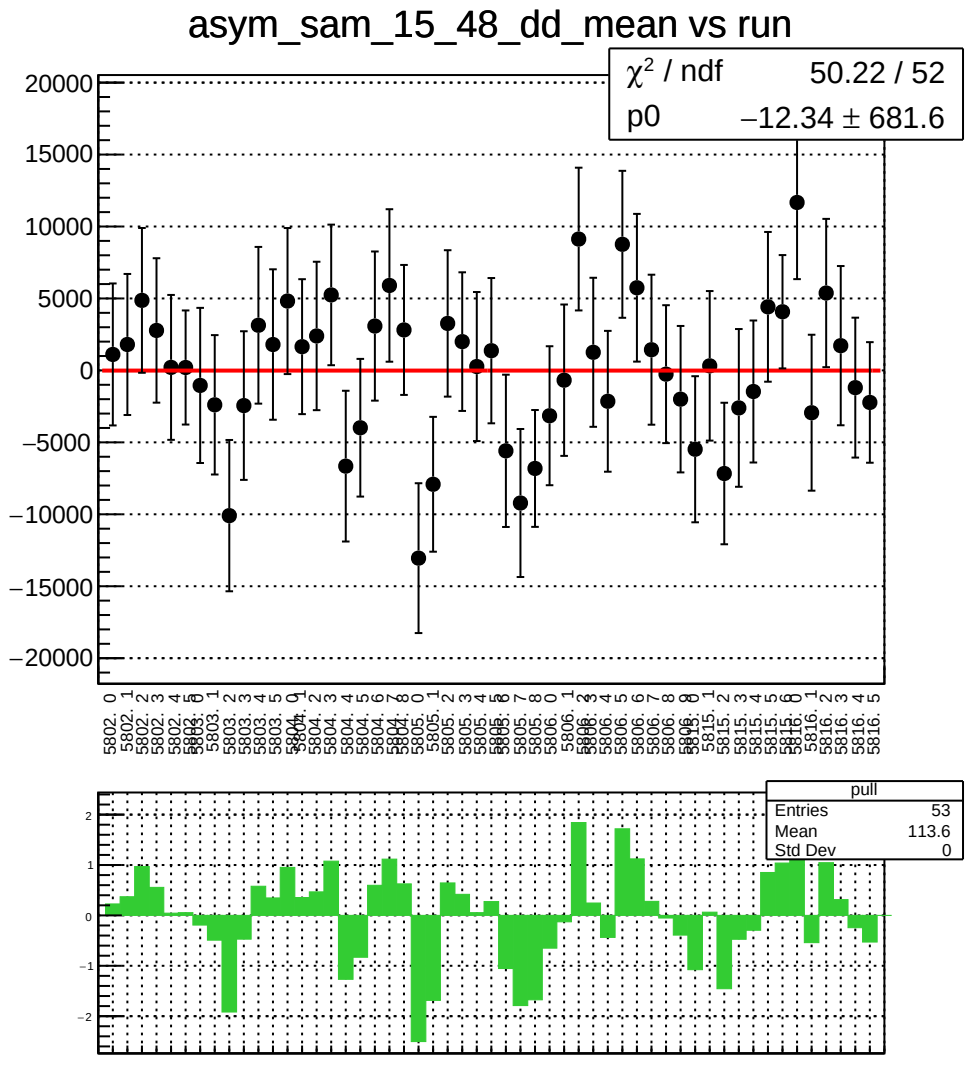

pull1D
Entries 53
Mean 0.007592
Std Dev 0.9476

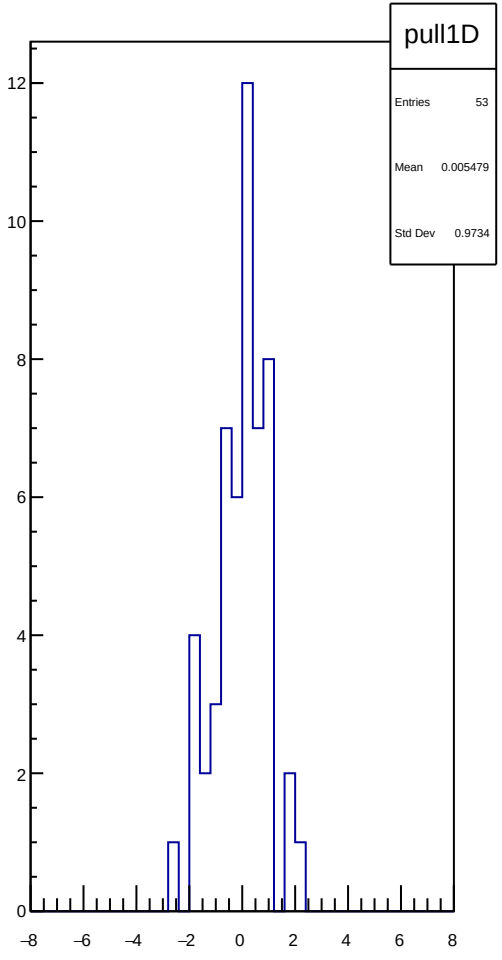

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 599.7 / 52
p0 63.77 ± 0.06374
70
68
66
64
62

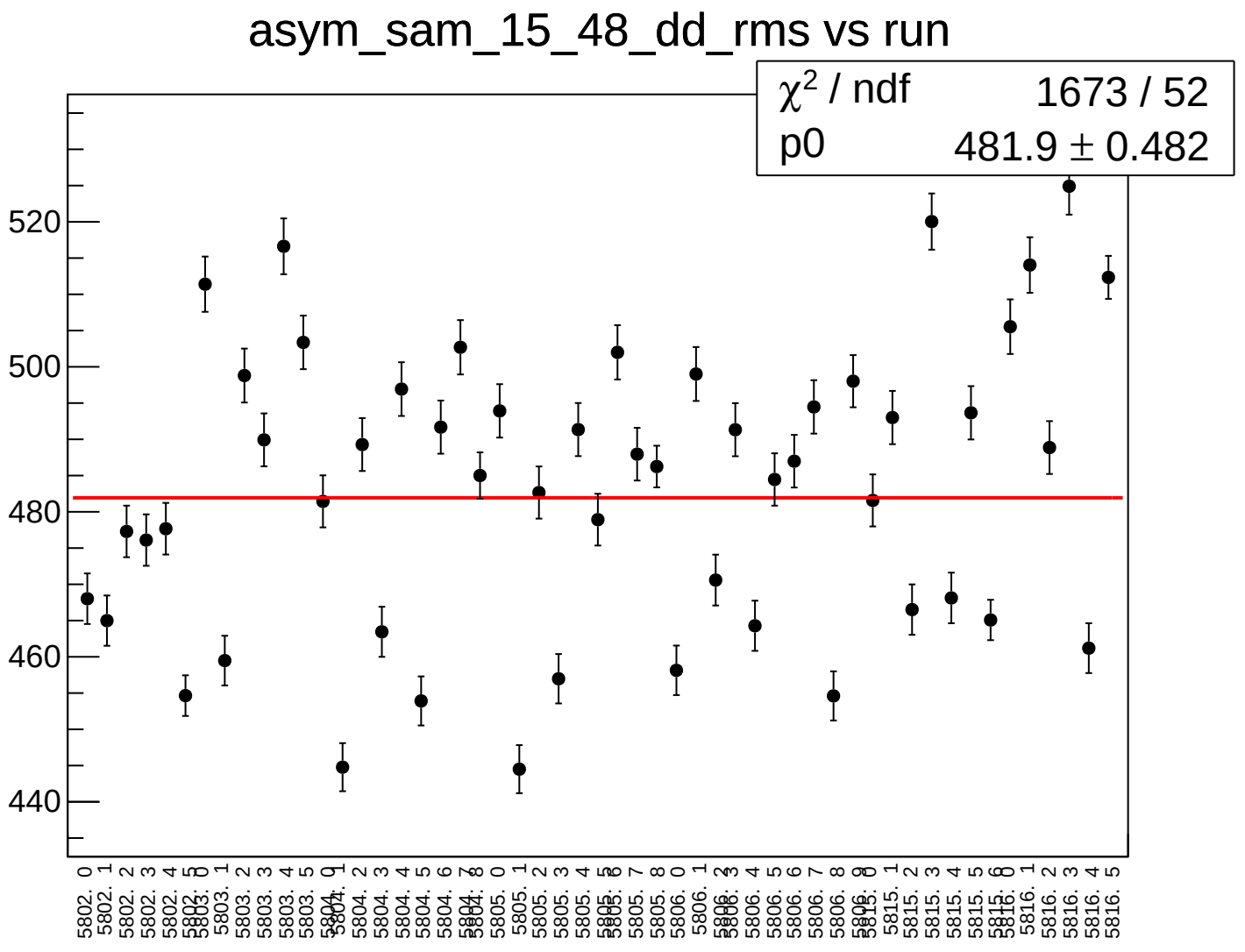

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.91 / 52
p0 43.2 ± 684.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean 219
Std Dev 0
2
1
0
−1
−2

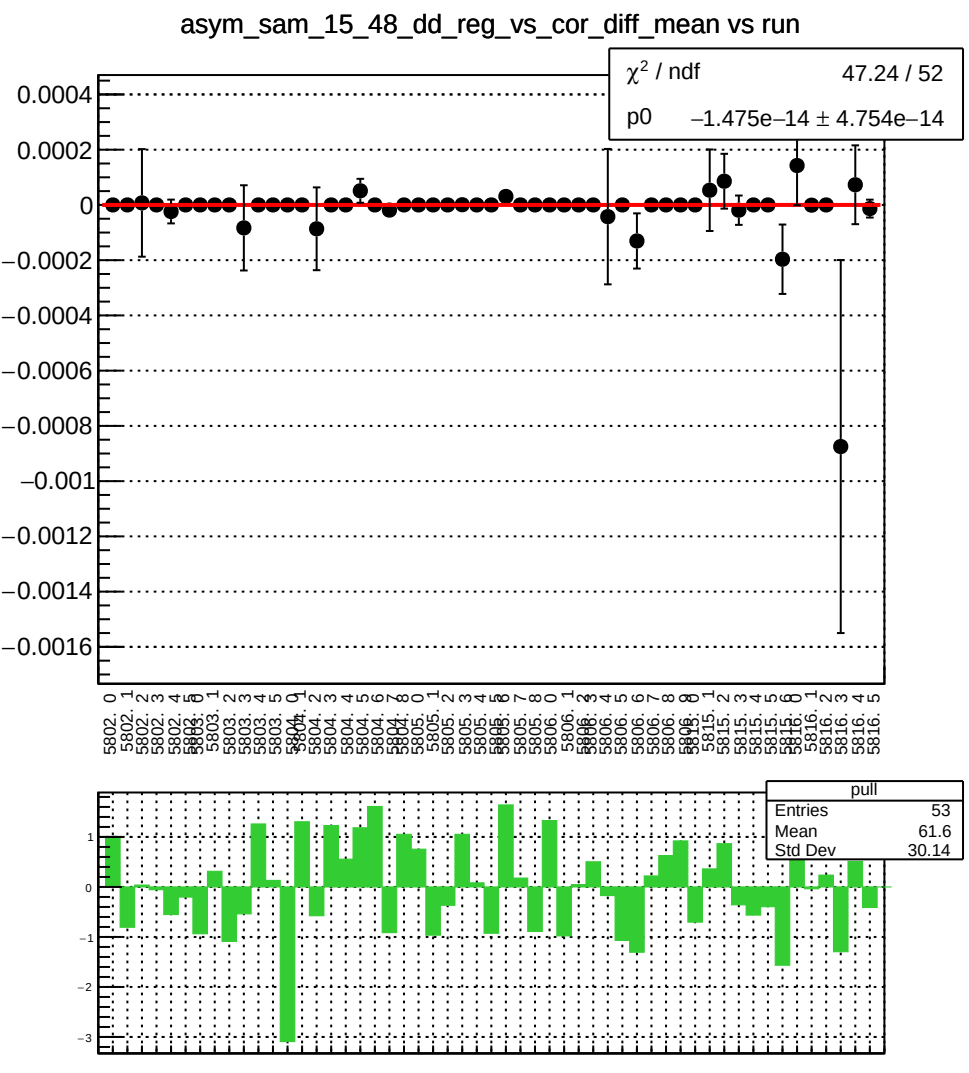

pull1D
Entries 53
Mean −0.003657
Std Dev 0.9801
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

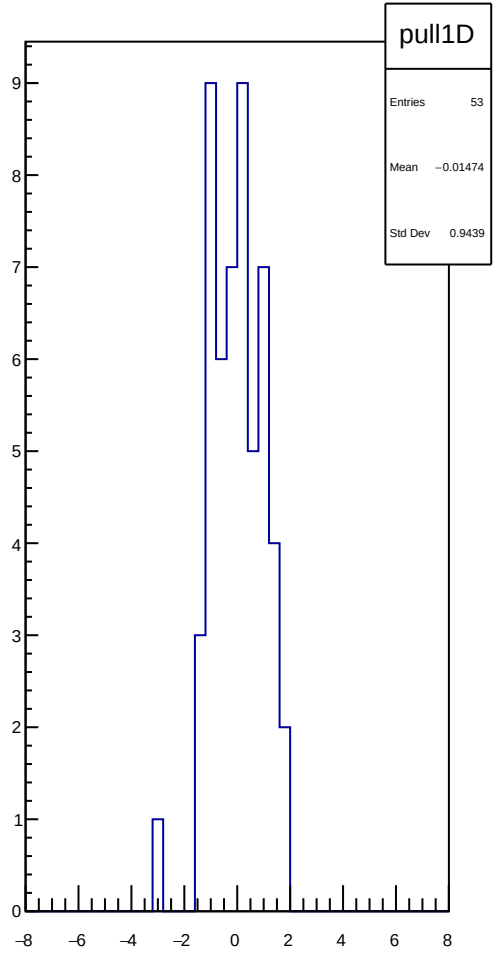

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2120 / 52
p0 483.9 ± 0.4841
540
520
500
480
460
440

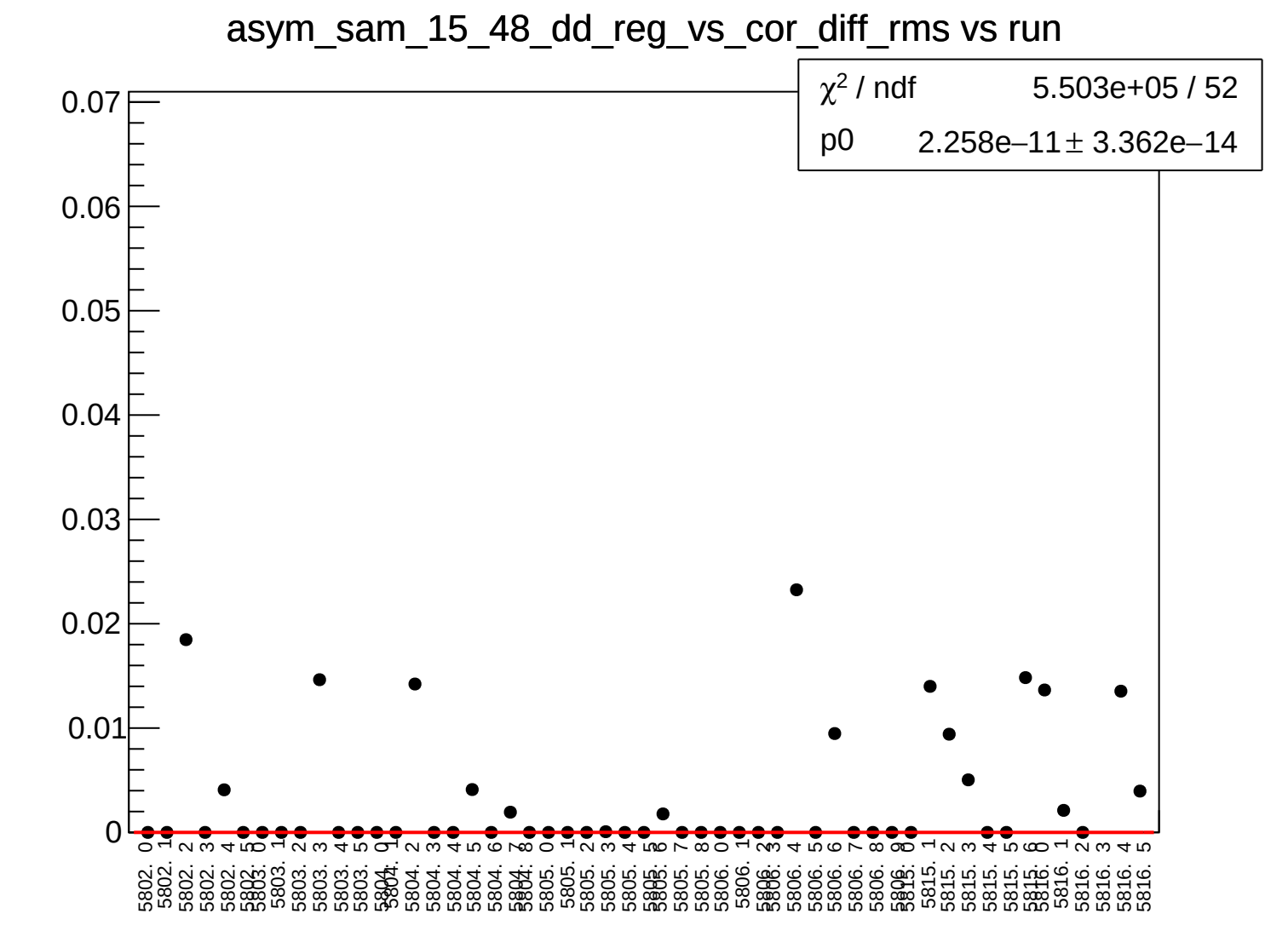

asym_sam_15_48_dd_mean vs run
χ² / ndf 50.22 / 52
p0 −12.34 ± 681.6
pull
Entries 53
Mean 113.6
Std Dev 0

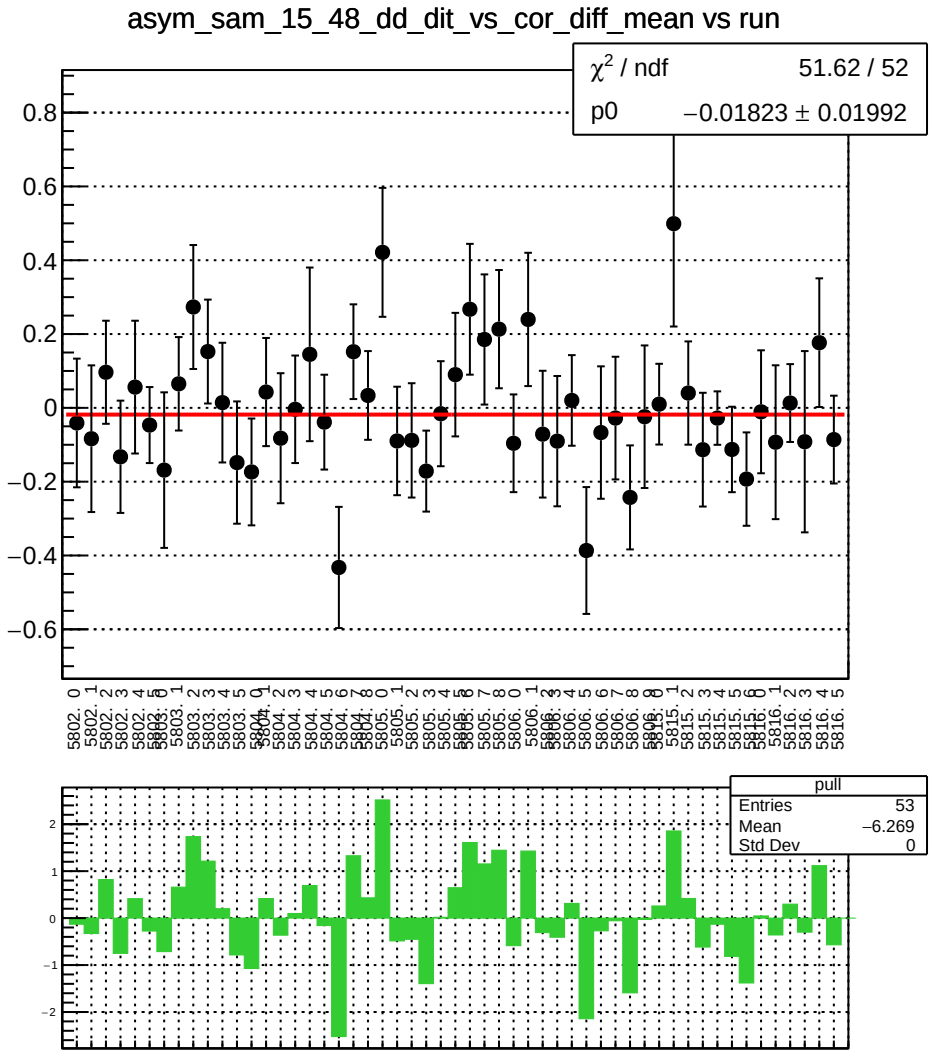

pull1D
Entries 53
Mean 0.005479
Std Dev 0.9734

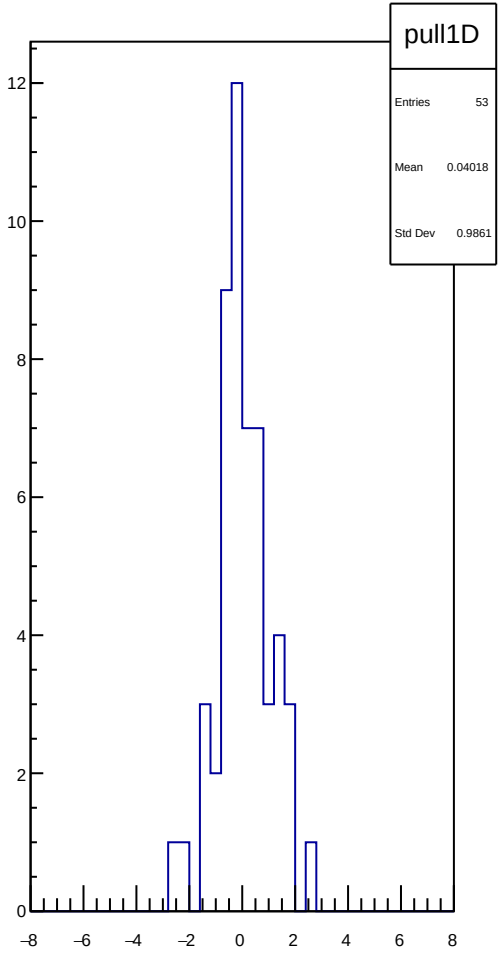

asym_sam_15_48_dd_rms vs run
χ² / ndf 1673 / 52
p0 481.9 ± 0.482
520
500
480
460
440

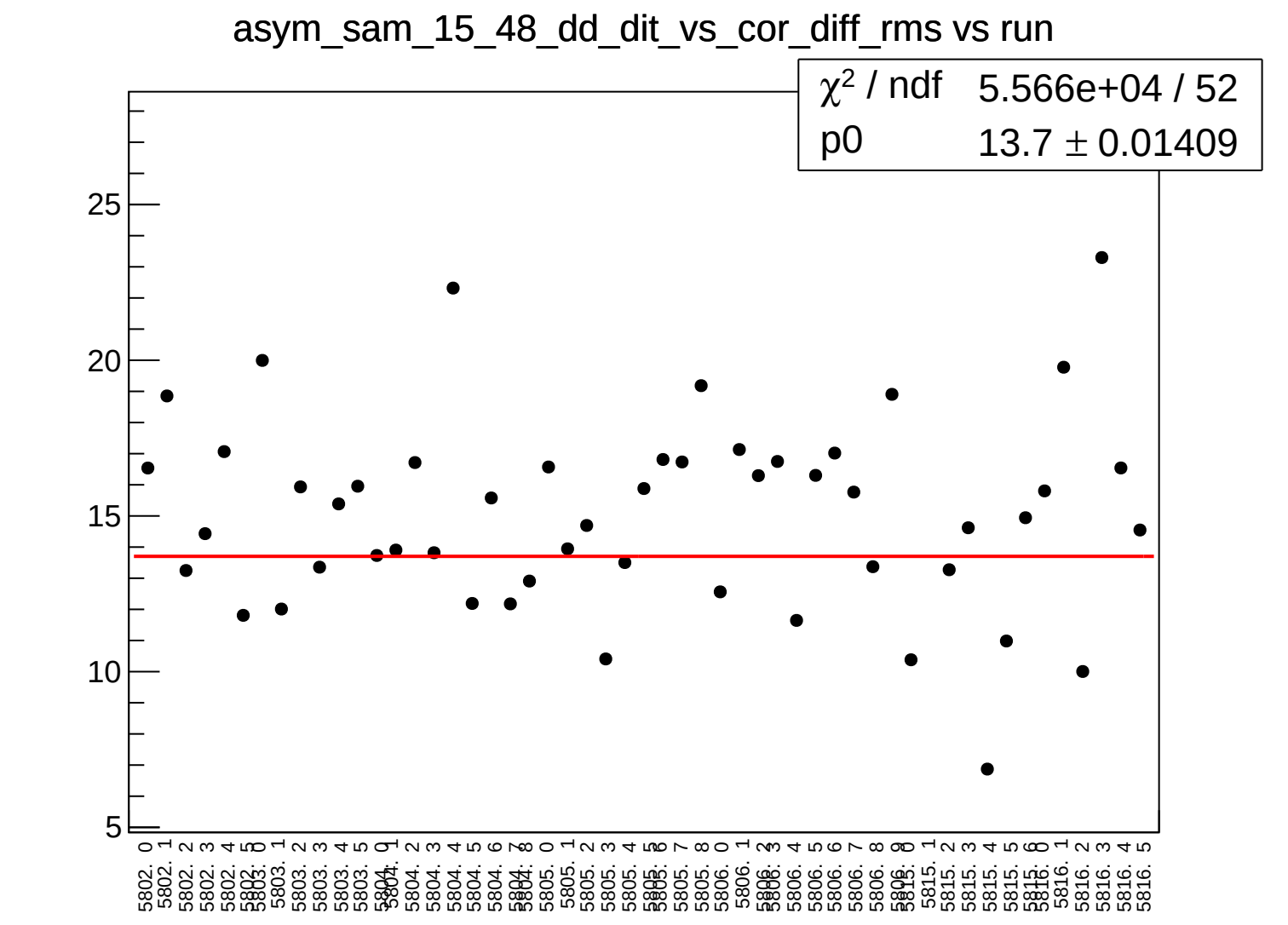

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.24 / 52
p0 −1.475e−14 ± 4.754e−14
pull
Entries 53
Mean 61.6
Std Dev 30.14

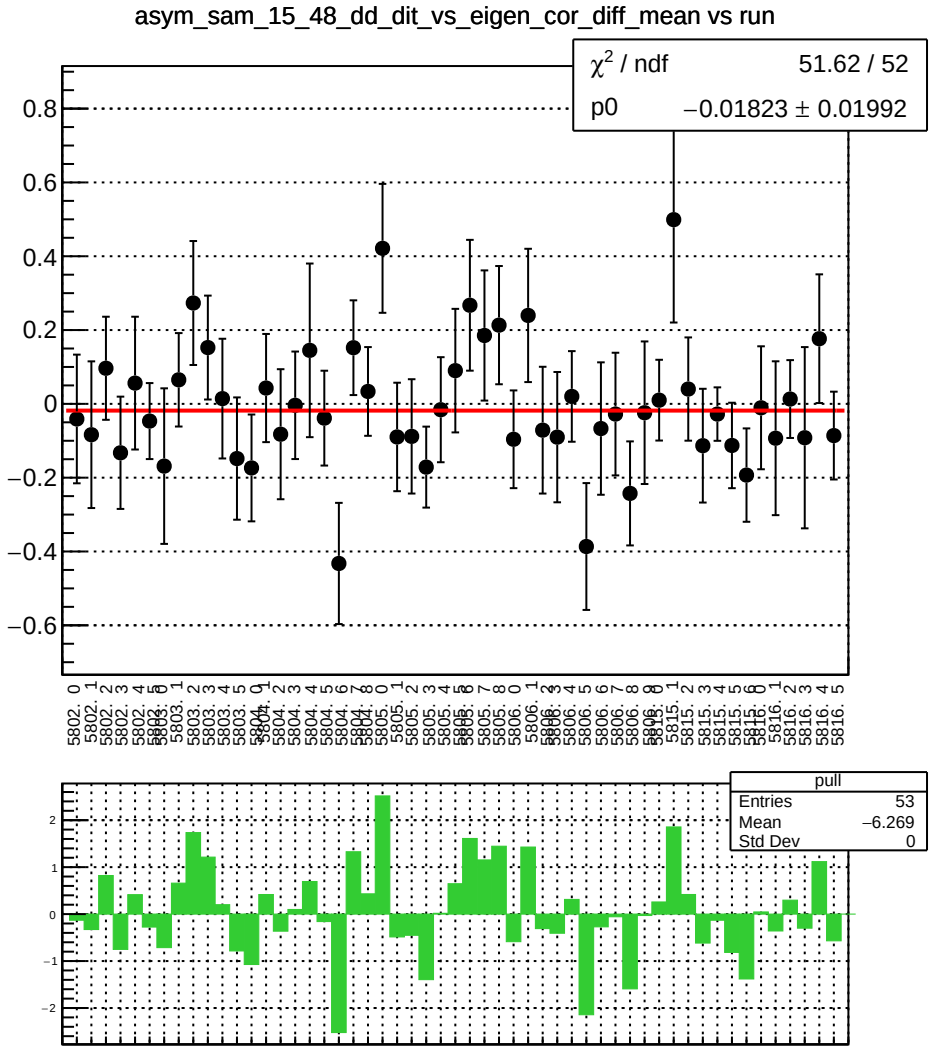

pull1D
Entries 53
Mean −0.01474
Std Dev 0.9439

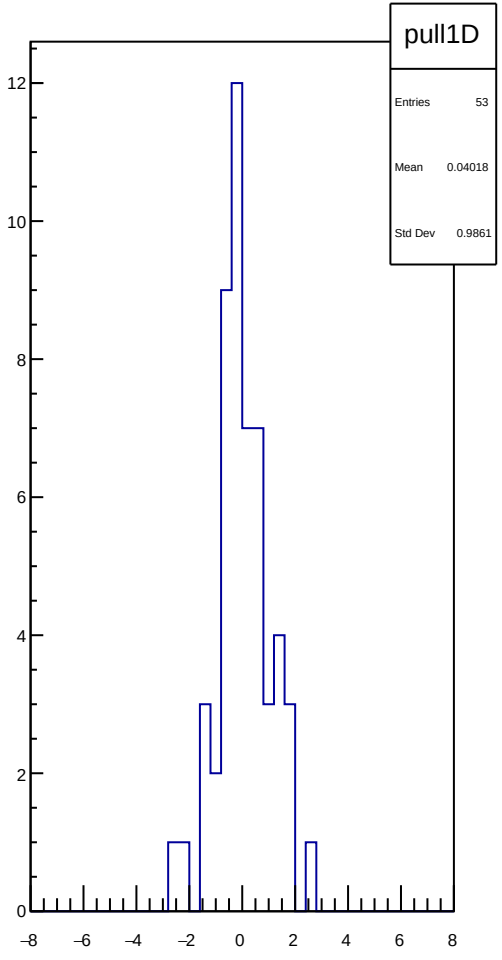

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.503e+05 / 52
p0 2.258e−11 ± 3.362e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

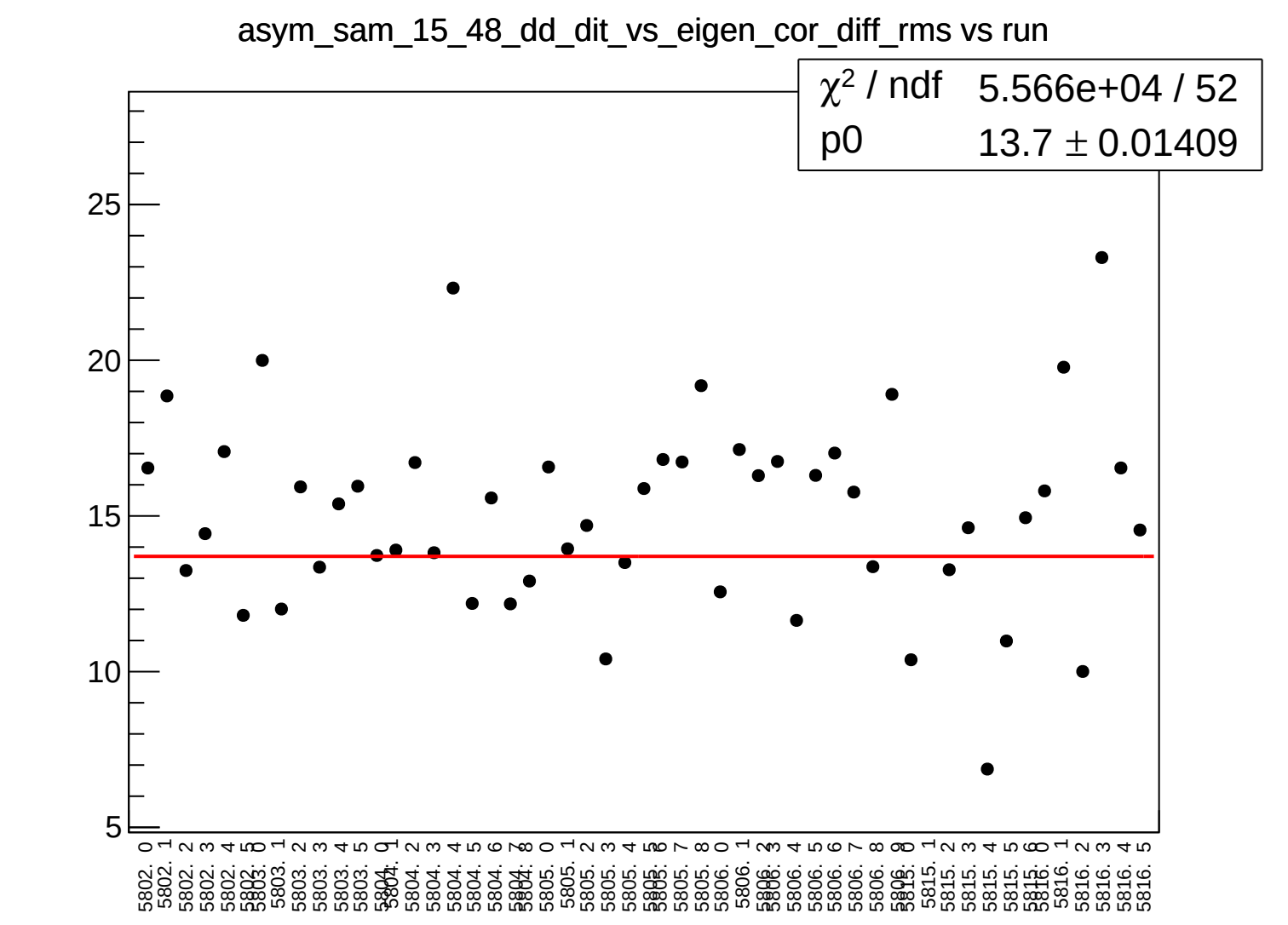

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.62 / 52
p0 −0.01823 ± 0.01992
pull
Entries 53
Mean −6.269
Std Dev 0

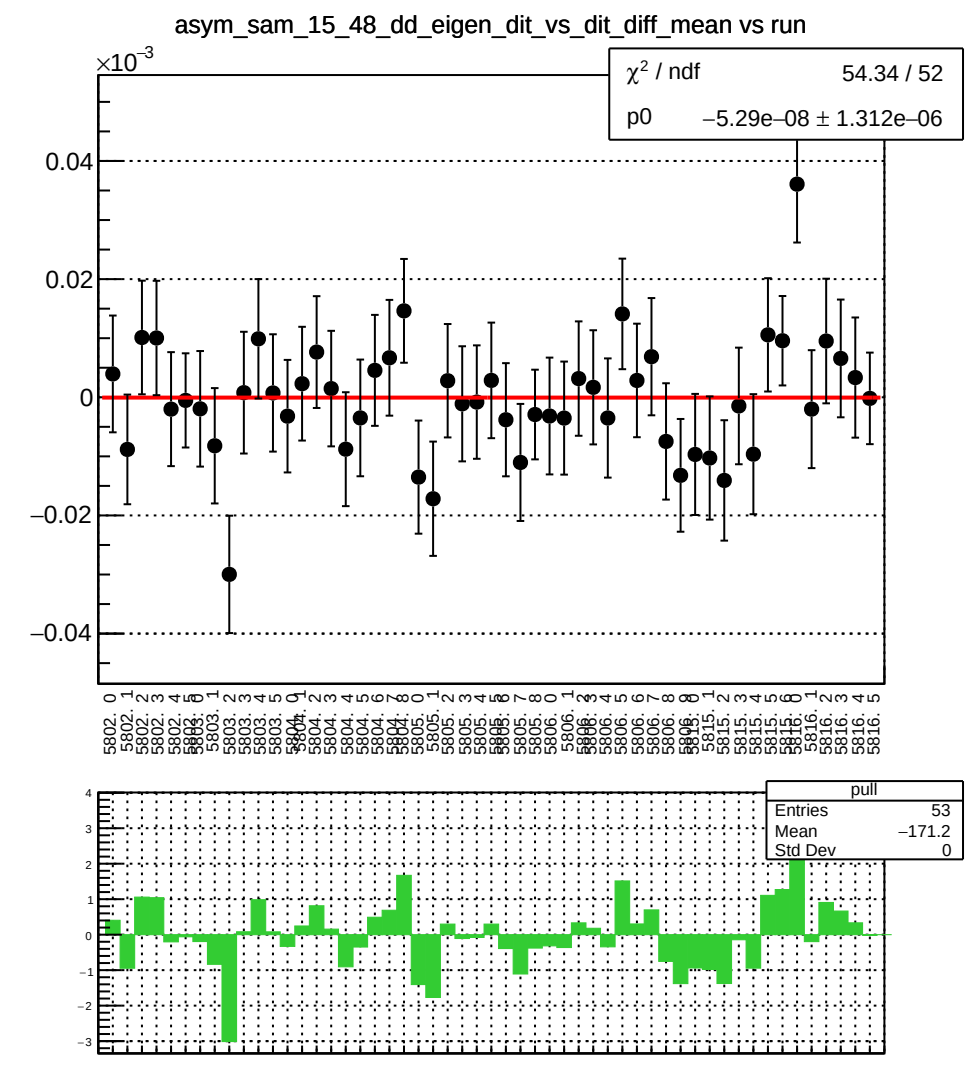

pull1D
Entries 53
Mean 0.04018
Std Dev 0.9861

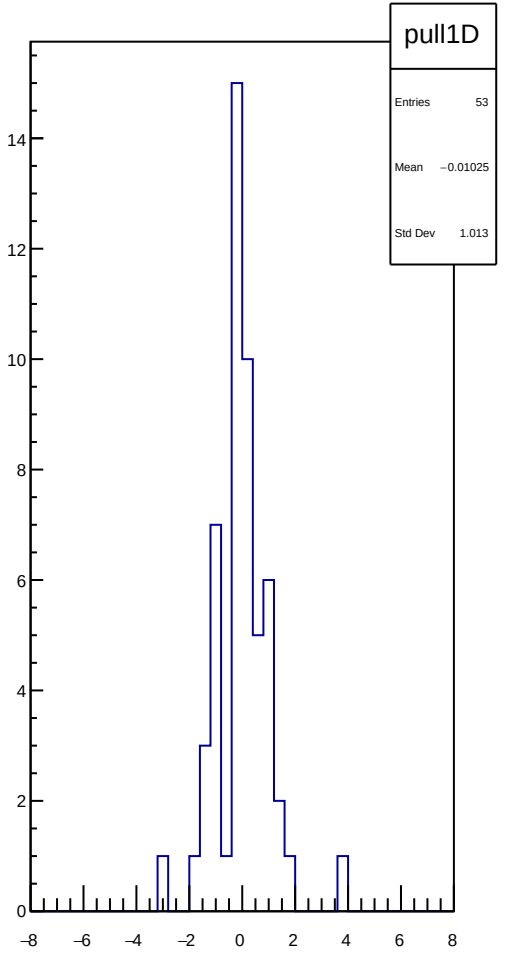

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.566e+04 / 52
p0 13.7 ± 0.01409
25
20
15
10
5

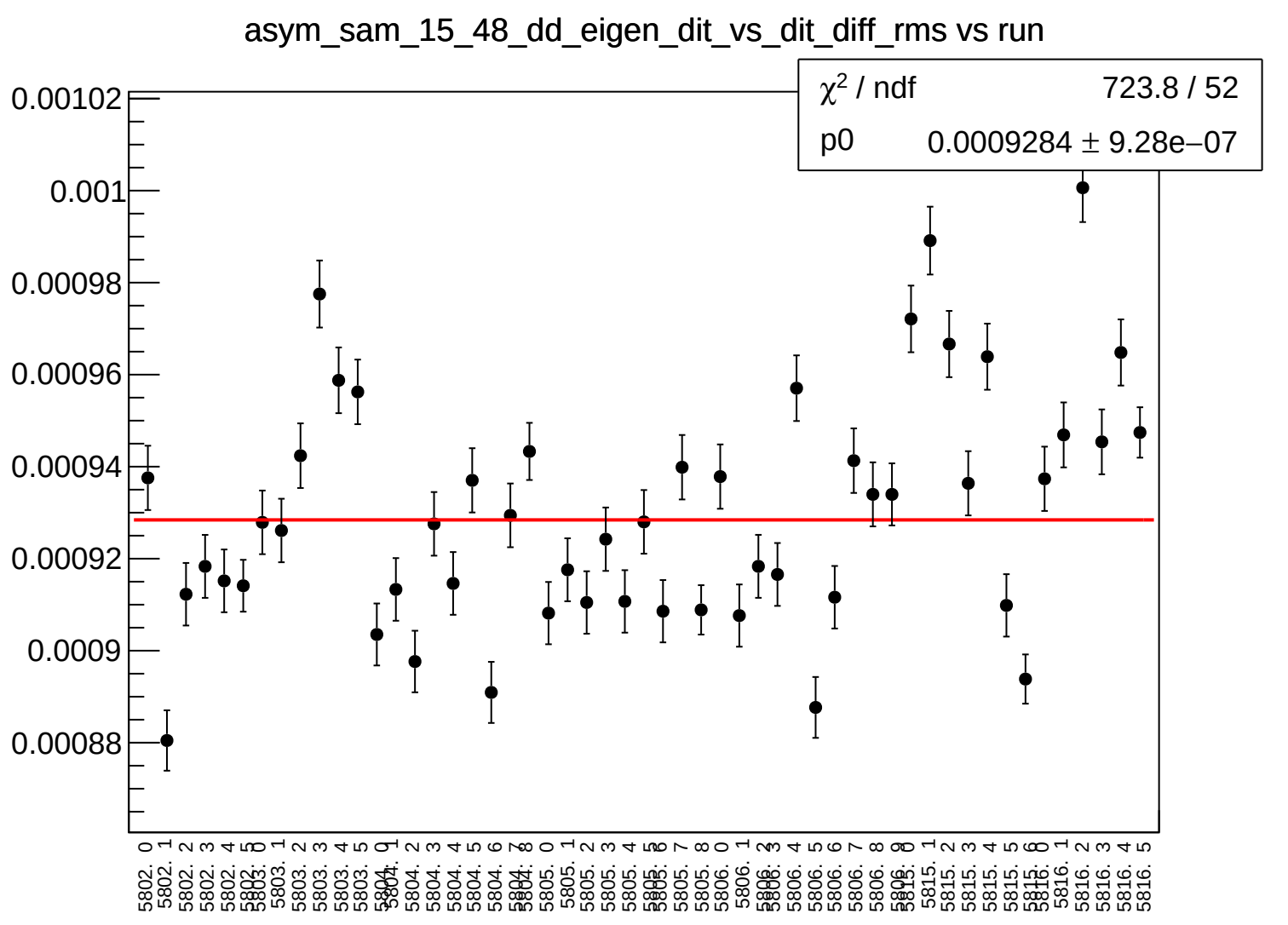

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.62 / 52
p0 −0.01823 ± 0.01992
pull
Entries 53
Mean −6.269
Std Dev 0

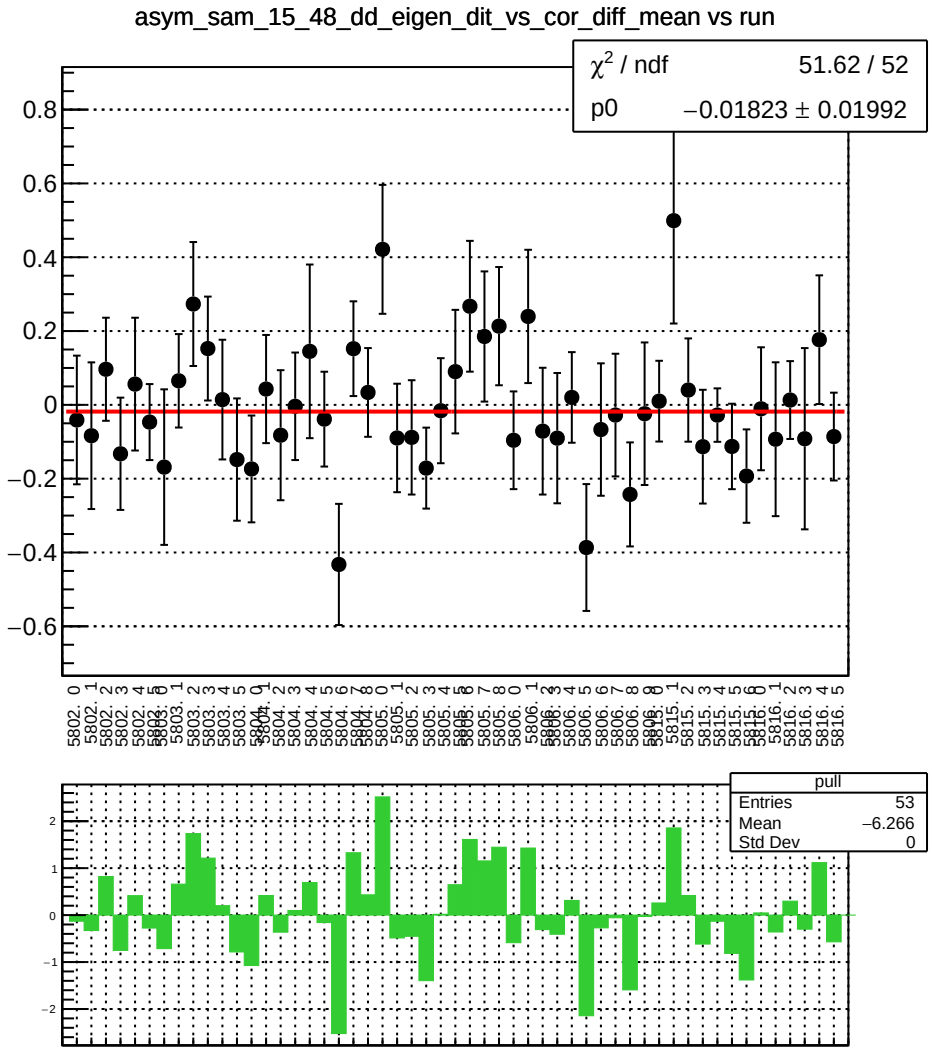

pull1D
Entries 53
Mean 0.04018
Std Dev 0.9861

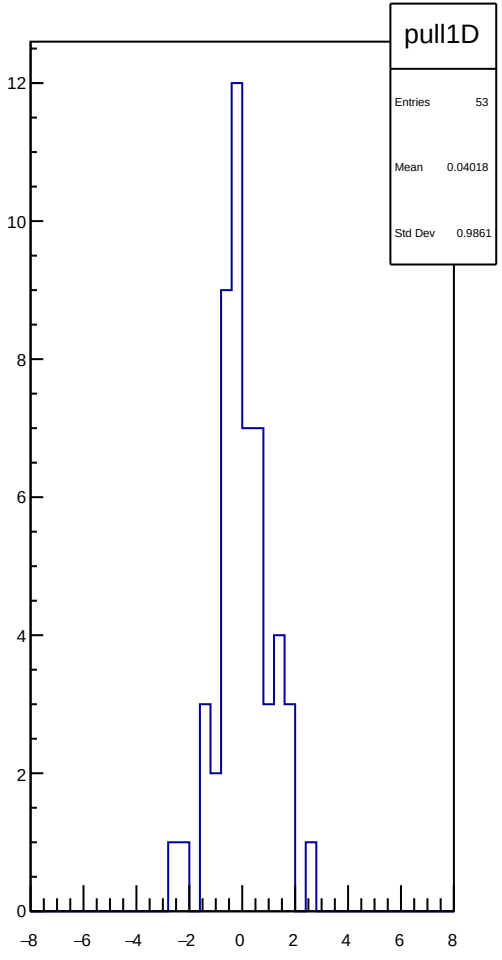

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.566e+04 / 52
p0 13.7 ± 0.01409
25
20
15
10
5

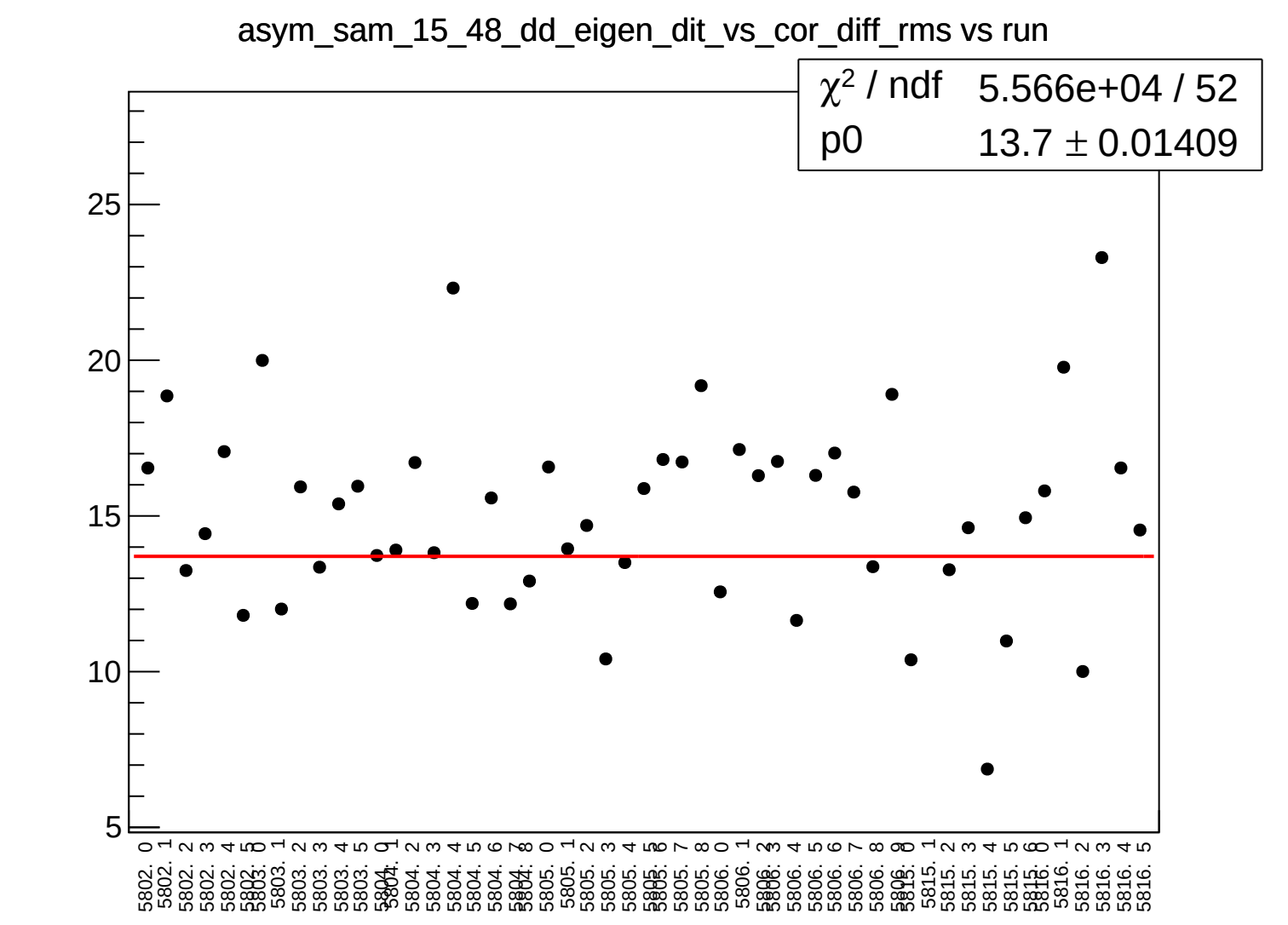

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.34 / 52
p0 −5.29e−08 ± 1.312e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean −171.2
Std Dev 0

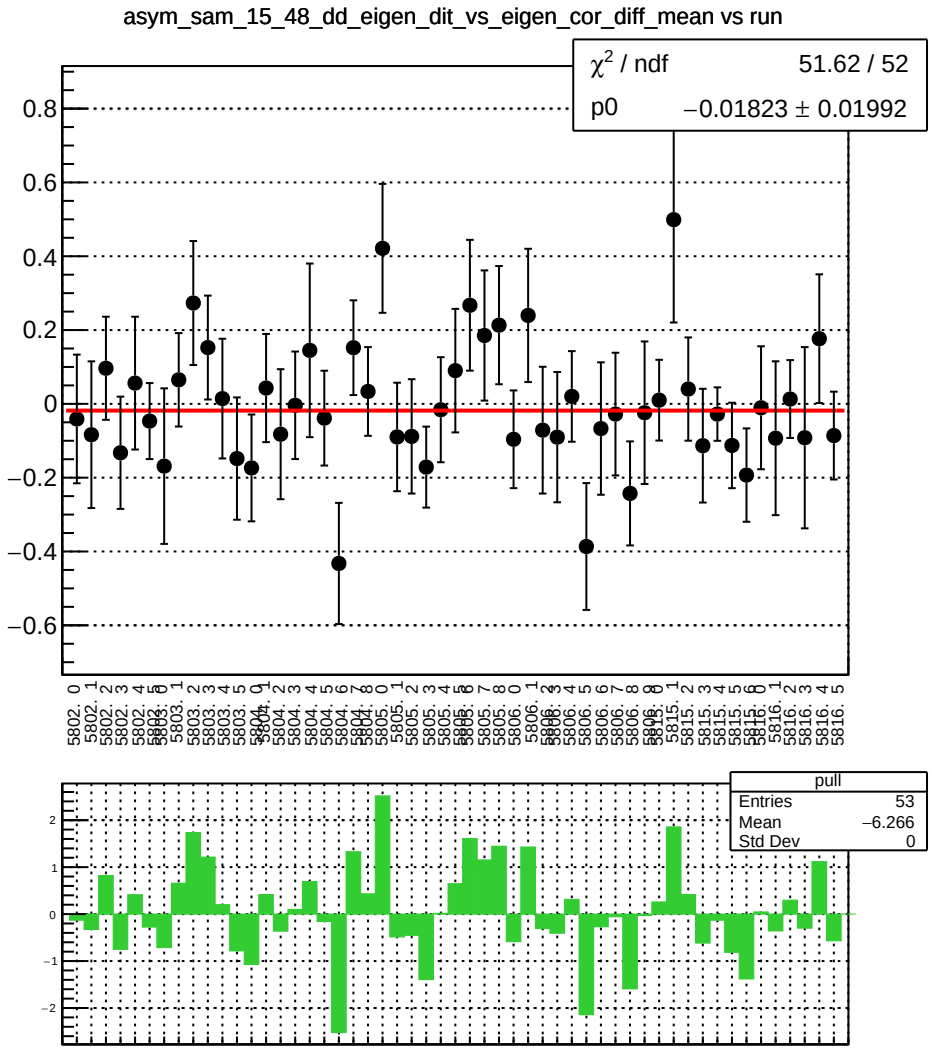

pull1D
Entries 53
Mean −0.01025
Std Dev 1.013

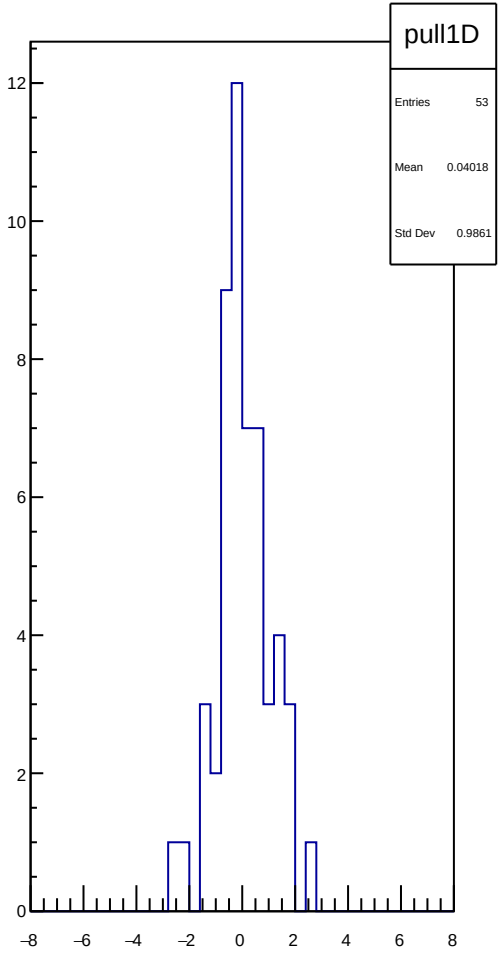

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 723.8 / 52
p0 0.0009284 ± 9.28e−07
0.00102
0.001
0.00098
0.00096
0.00094
0.00092
0.0009
0.00088

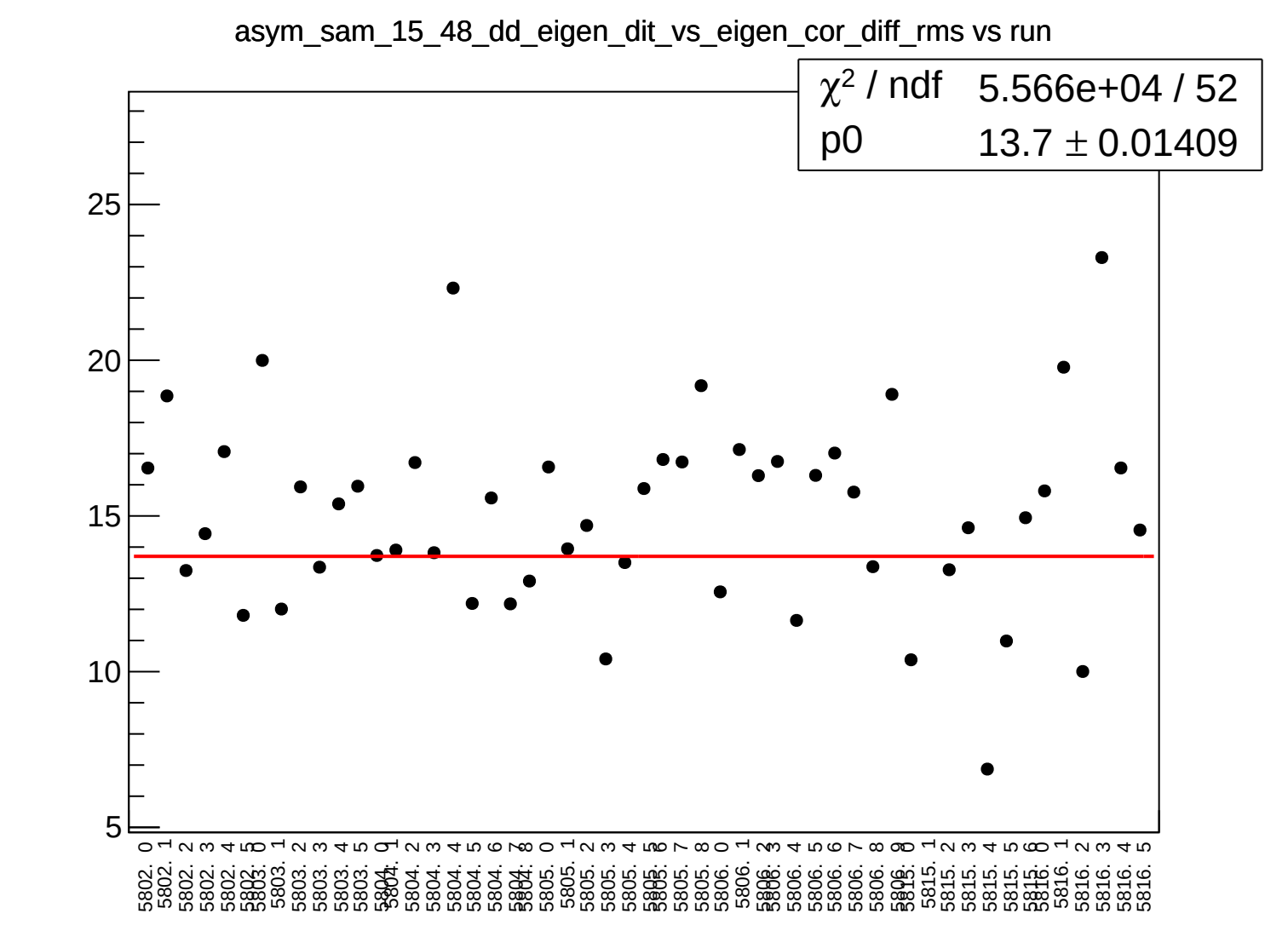

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.62 / 52
p0 −0.01823 ± 0.01992
pull
Entries 53
Mean −6.266
Std Dev 0

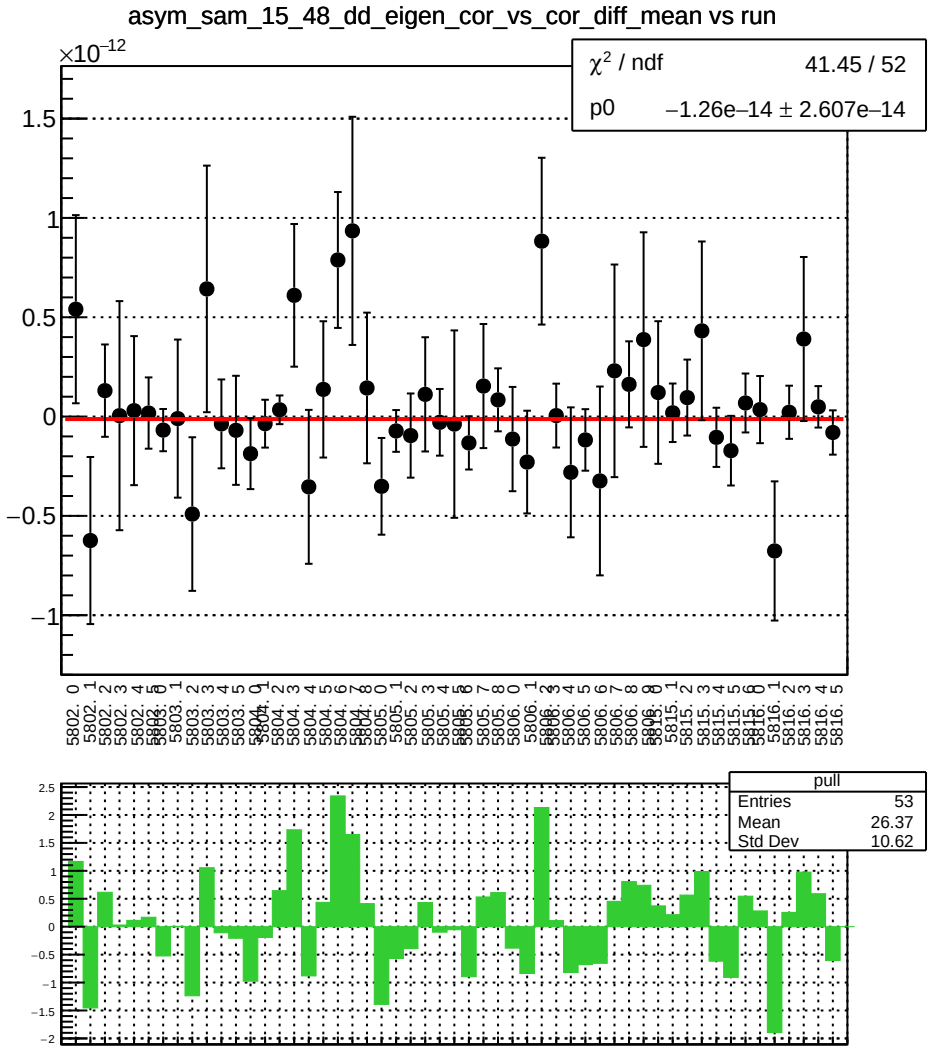

pull1D
Entries 53
Mean 0.04018
Std Dev 0.9861

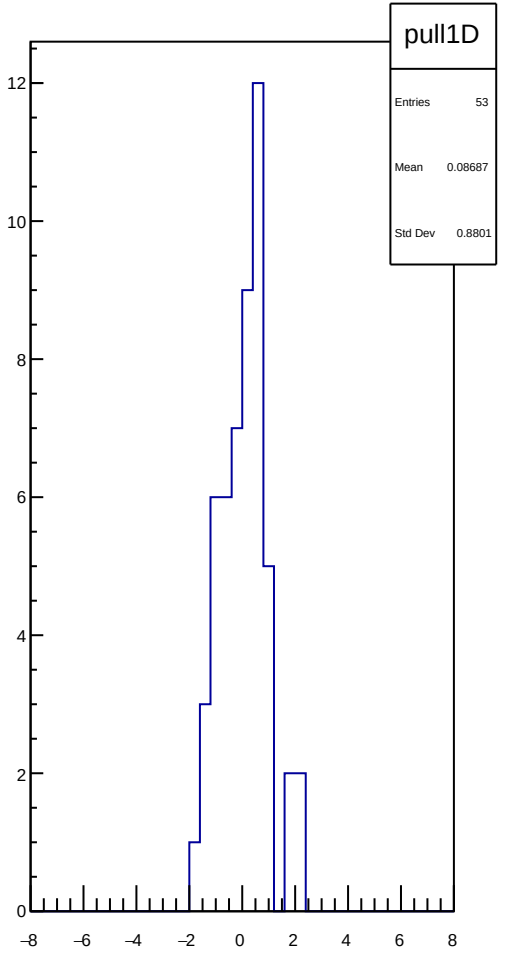

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.566e+04 / 52
p0 13.7 ± 0.01409
25
20
15
10
5

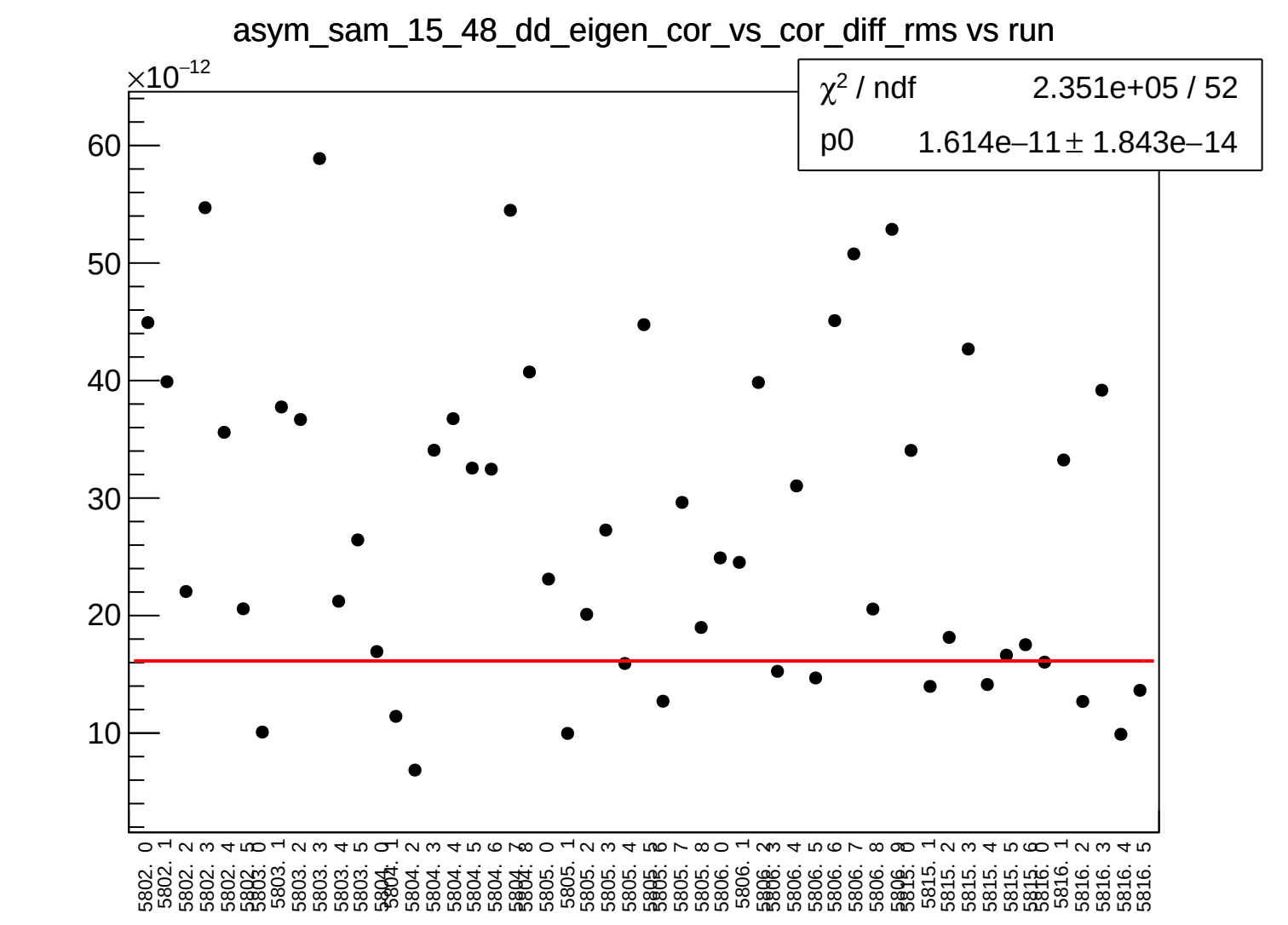

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.62 / 52
p0 −0.01823 ± 0.01992
pull
Entries 53
Mean −6.266
Std Dev 0

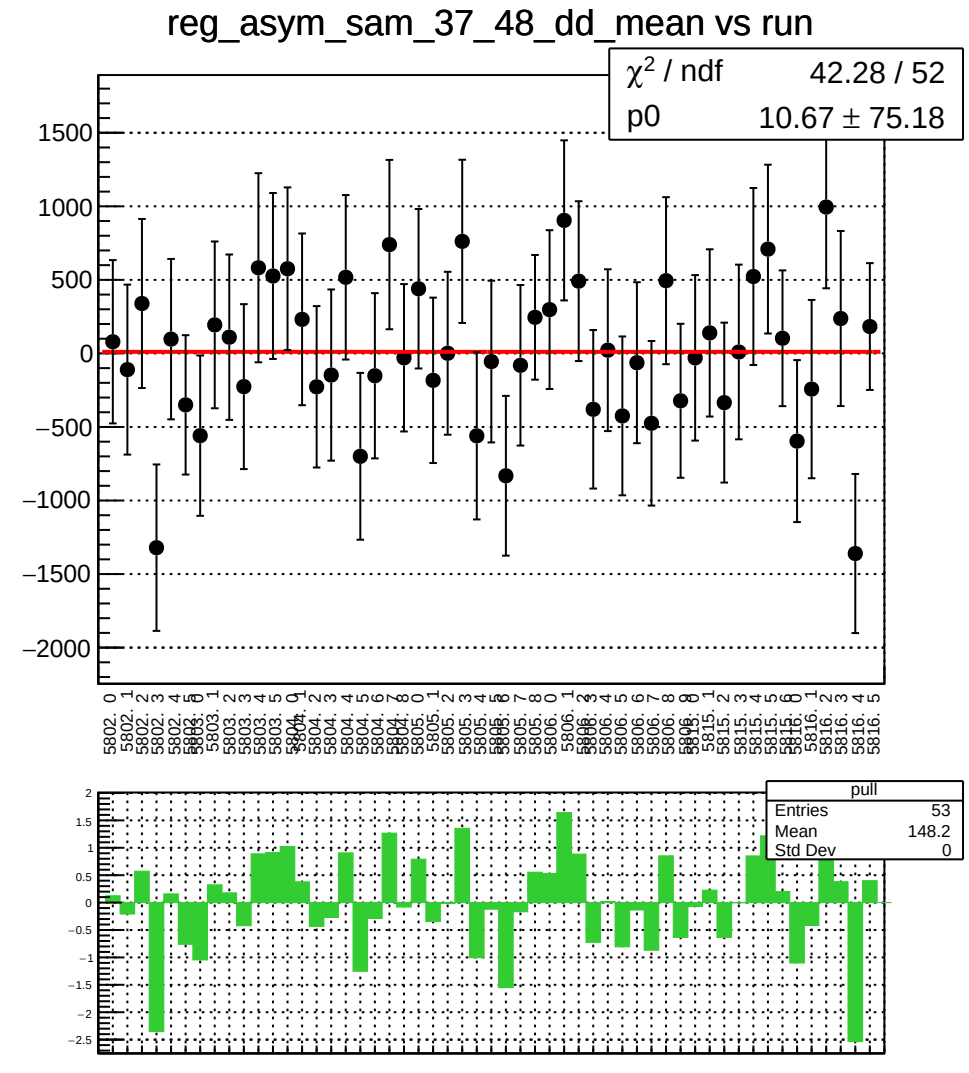

pull1D
Entries 53
Mean 0.04018
Std Dev 0.9861

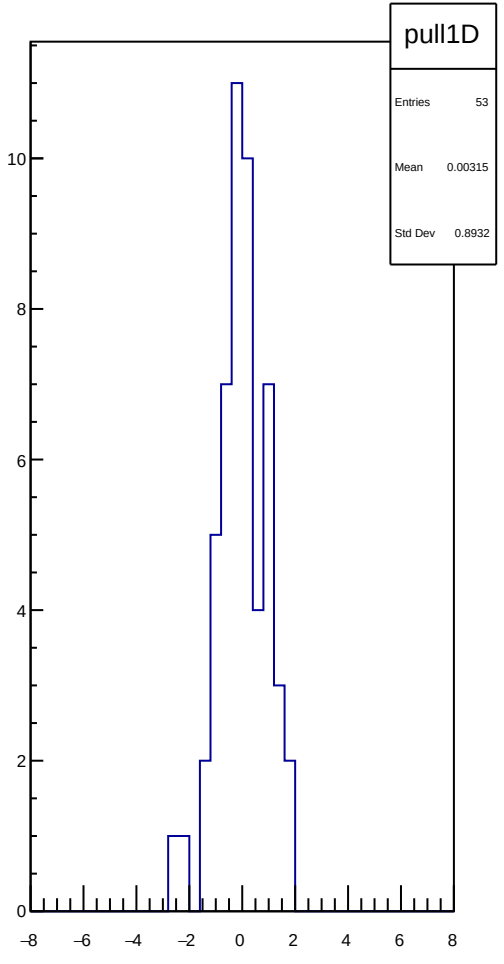

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.566e+04 / 52
p0 13.7 ± 0.01409
25
20
15
10
5

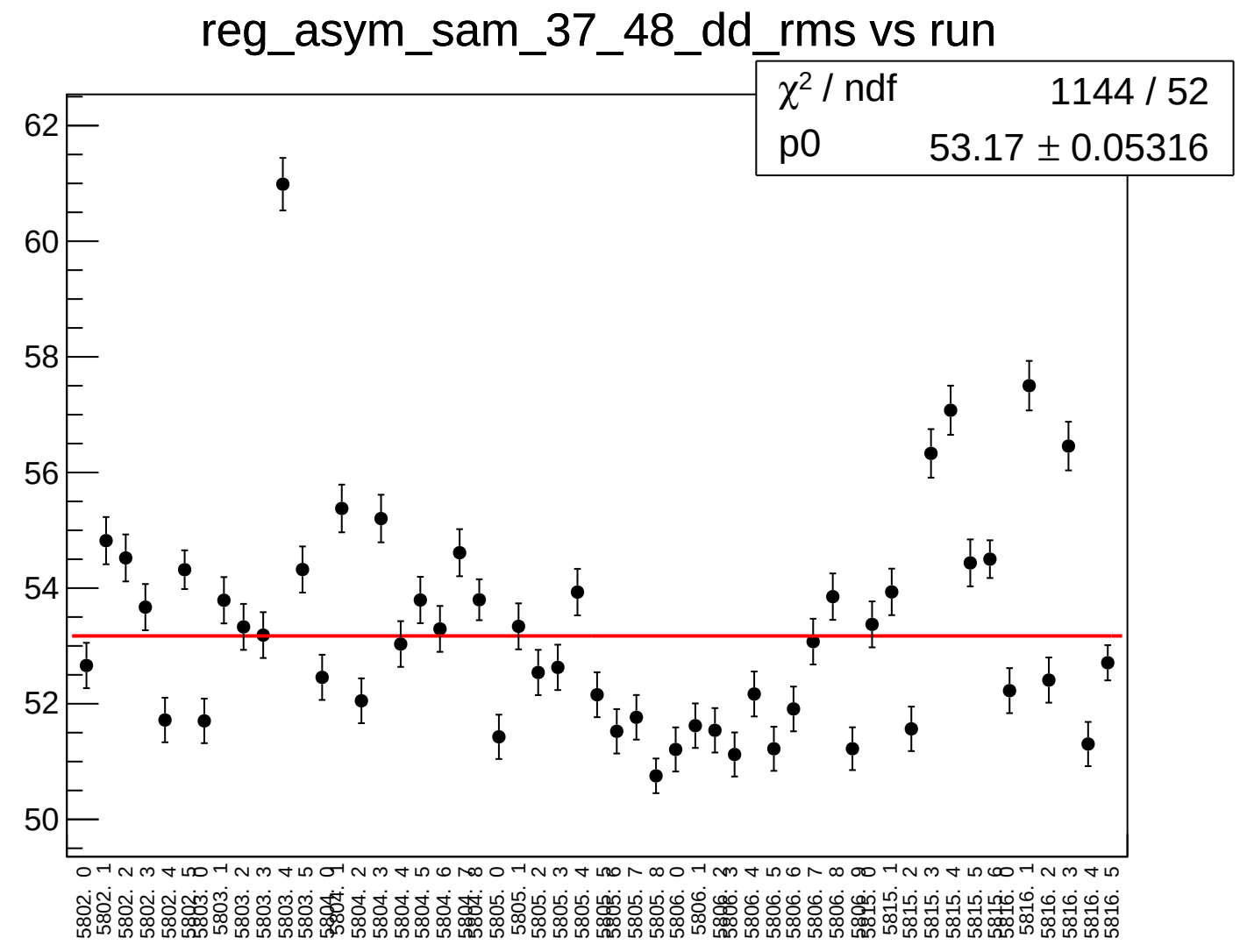

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.45 / 52
p0 −1.26e−14 ± 2.607e−14
pull
Entries 53
Mean 26.37
Std Dev 10.62

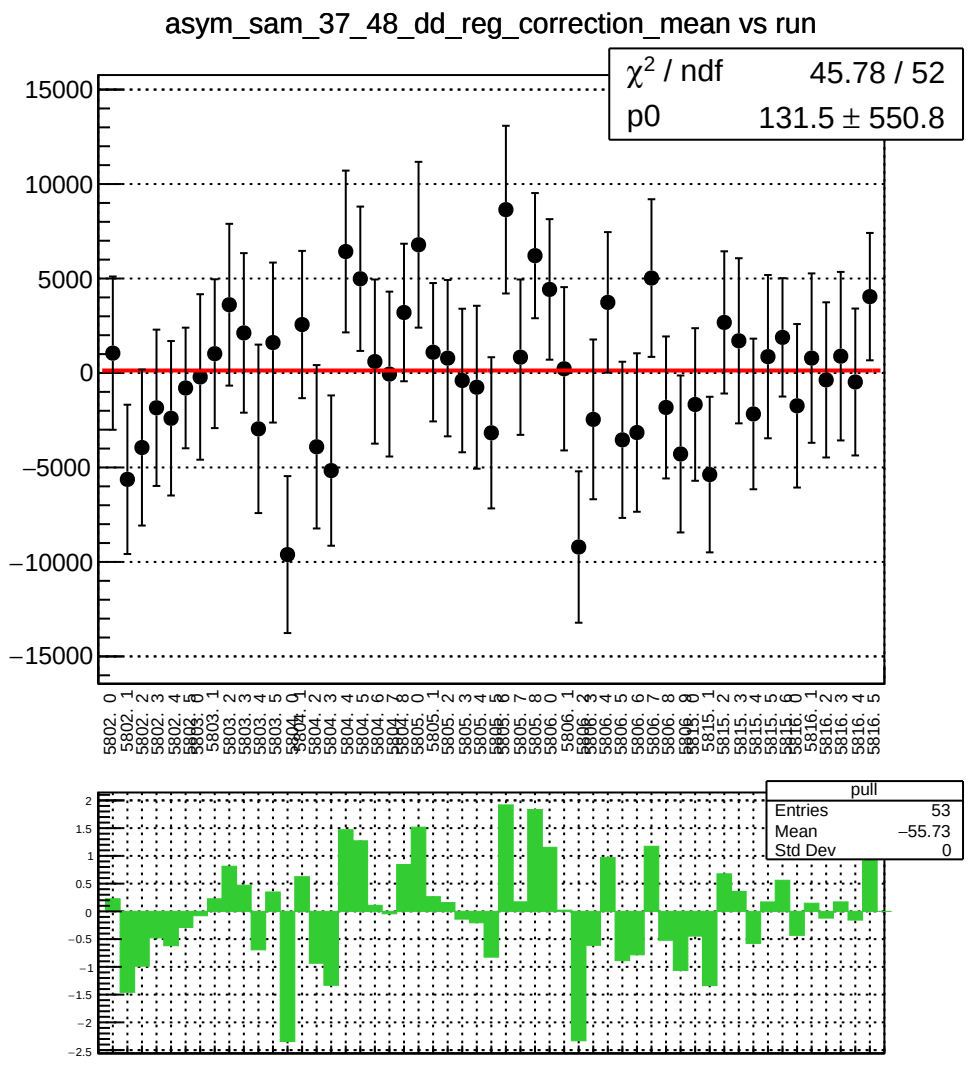

pull1D
Entries 53
Mean 0.08687
Std Dev 0.8801

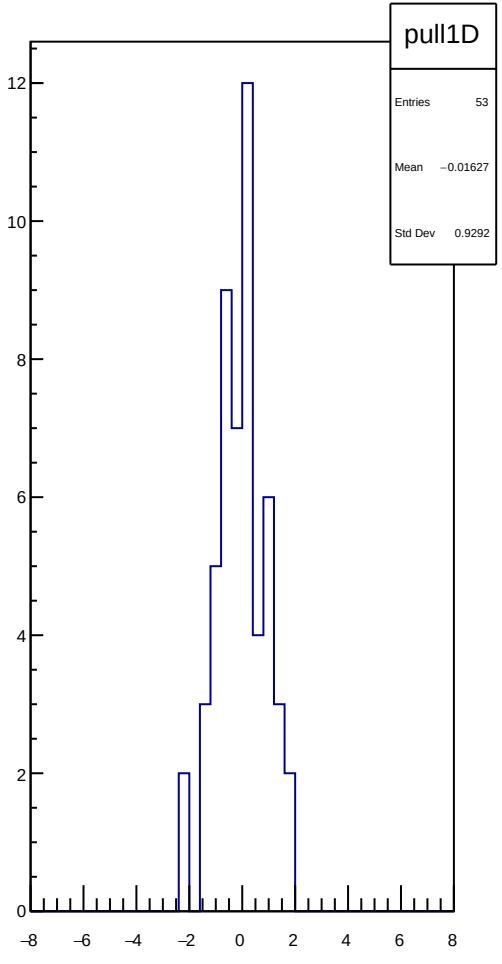

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.351e+05 / 52
p0 1.614e−11 ± 1.843e−14
60
50
40
30
20
10

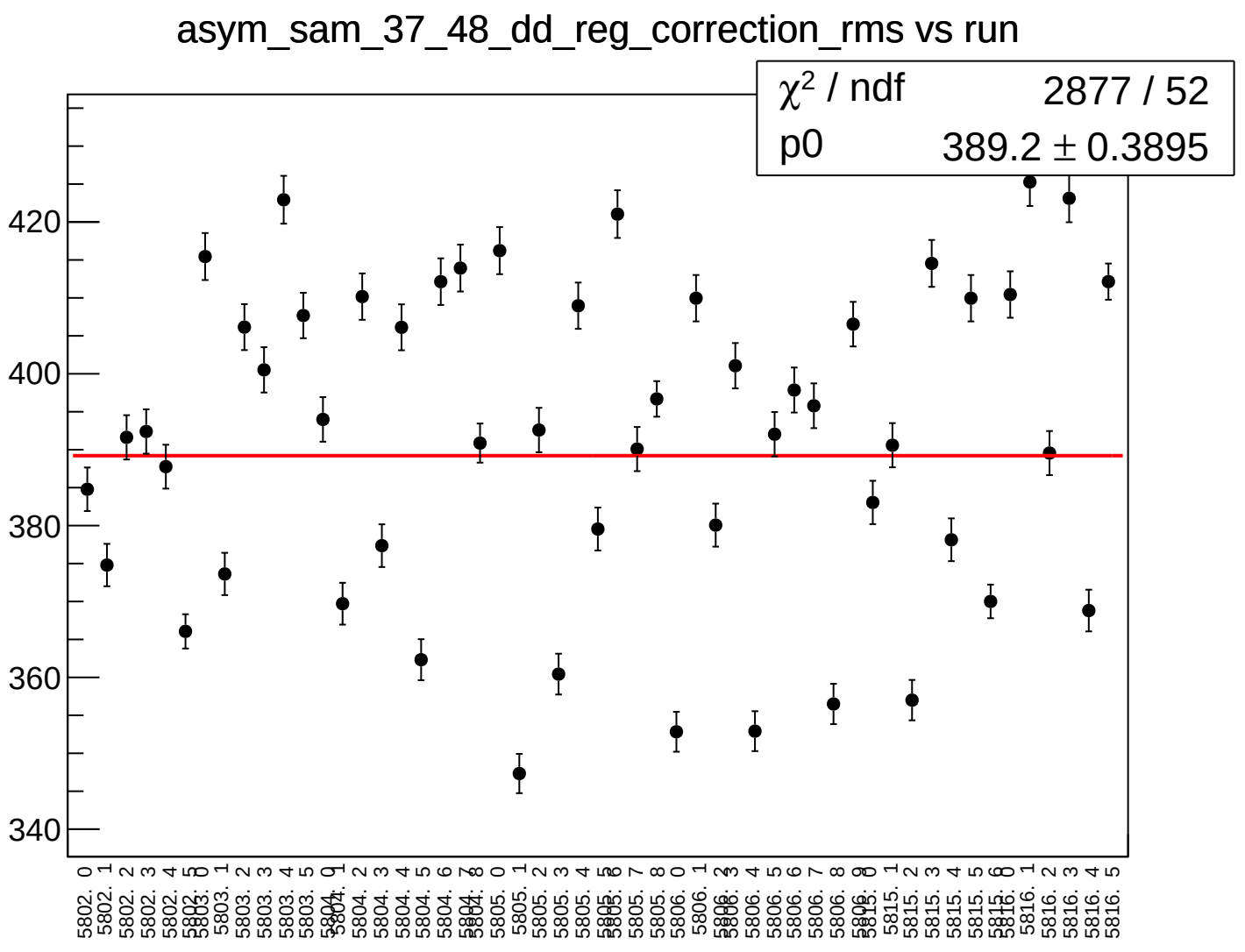

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 42.28 / 52
p0 10.67 ± 75.18
pull
Entries 53
Mean 148.2
Std Dev 0

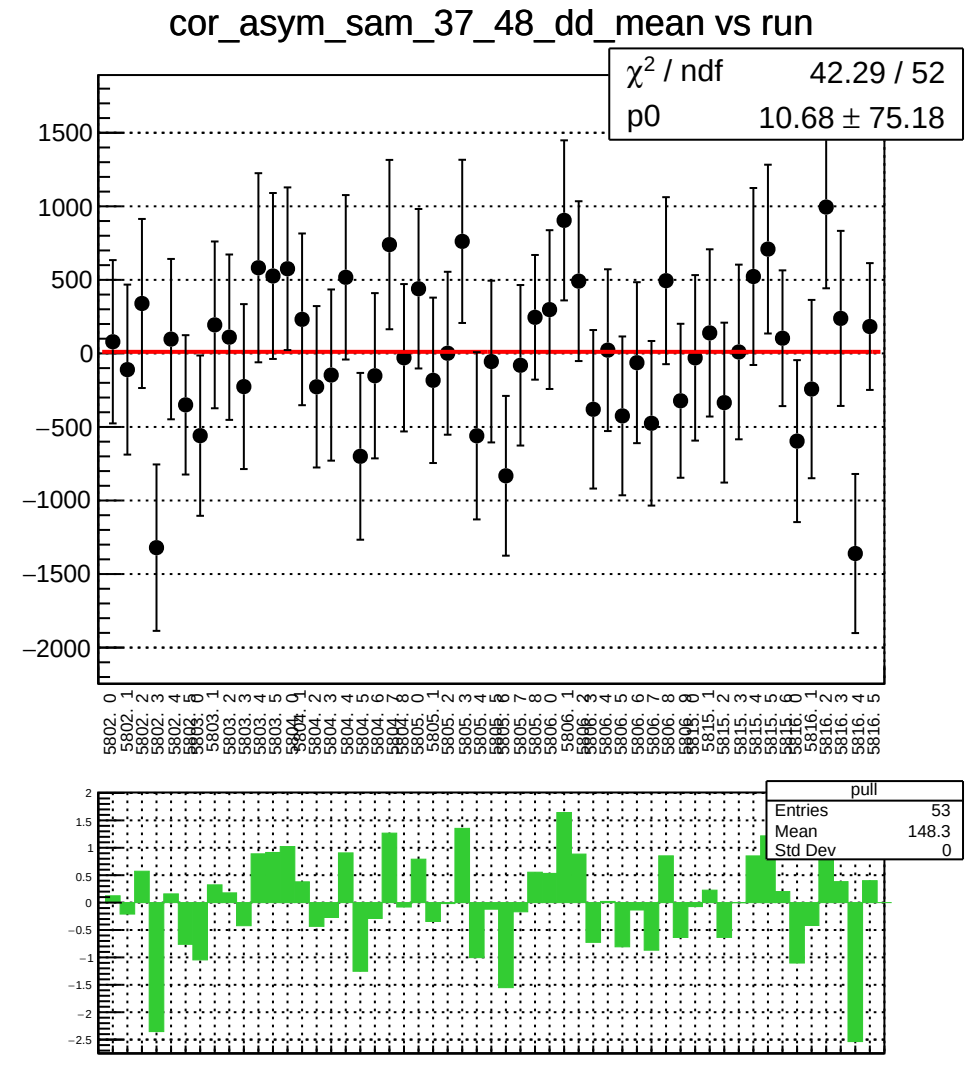

pull1D
Entries 53
Mean 0.00315
Std Dev 0.8932

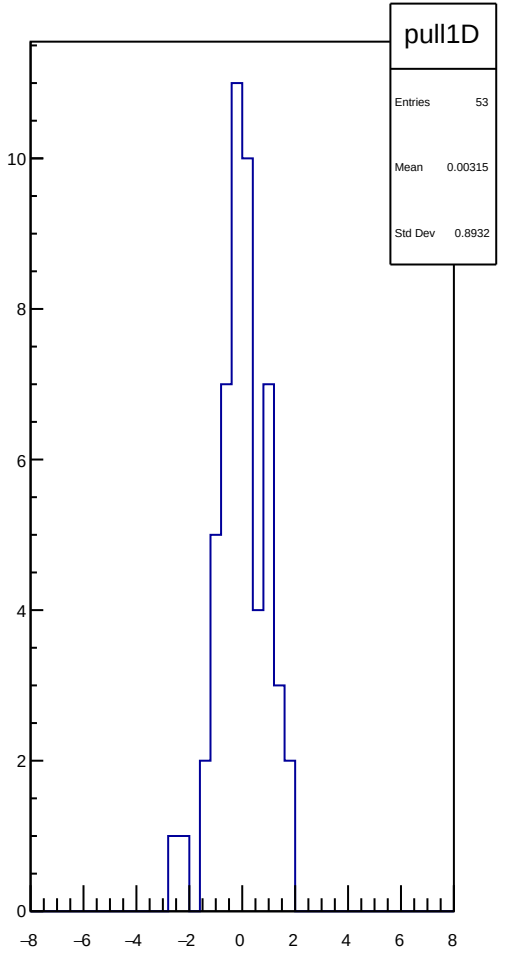

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1144 / 52
p0 53.17 ± 0.05316
62
60
58
56
54
52
50

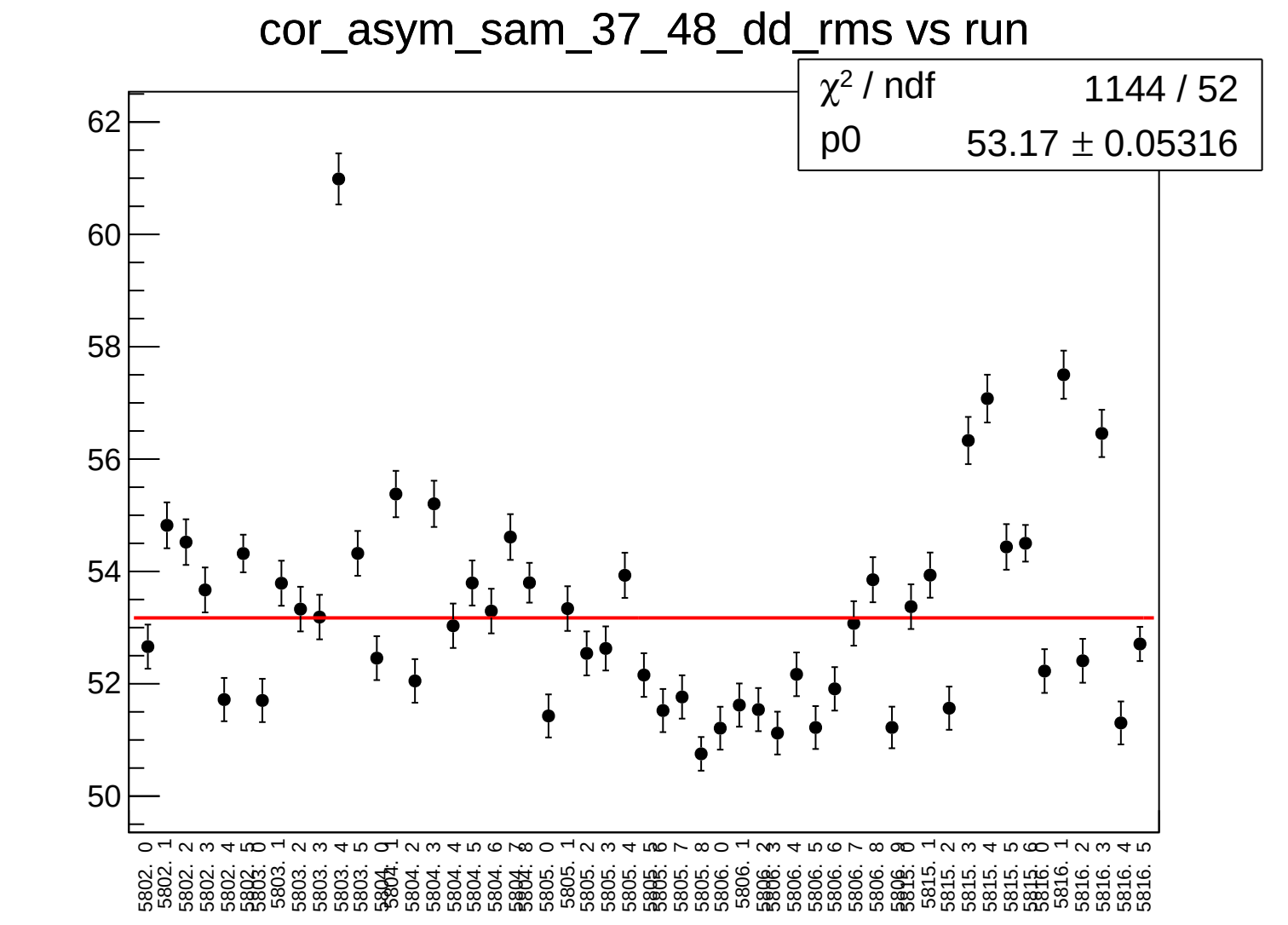

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 45.78 / 52
p0 131.5 ± 550.8
pull
Entries 53
Mean −55.73
Std Dev 0

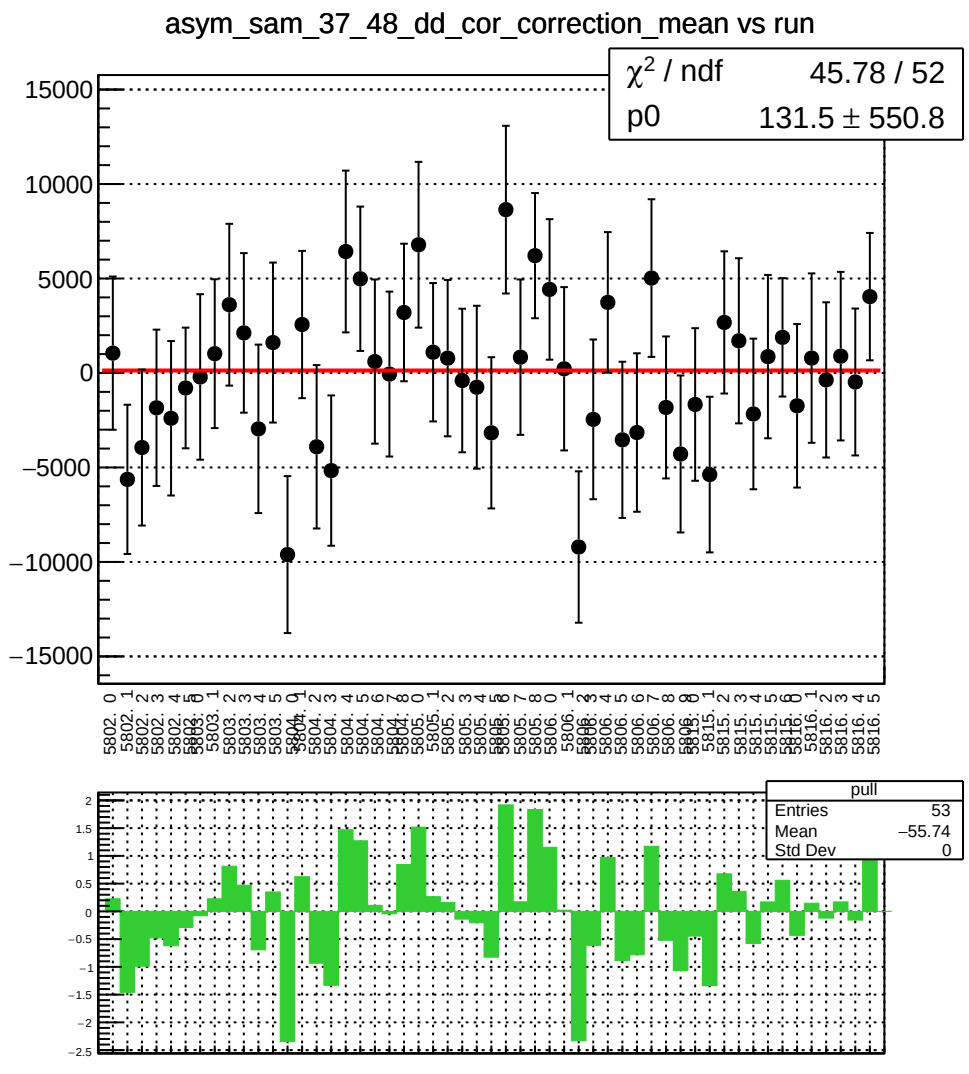

pull1D
Entries 53
Mean −0.01627
Std Dev 0.9292

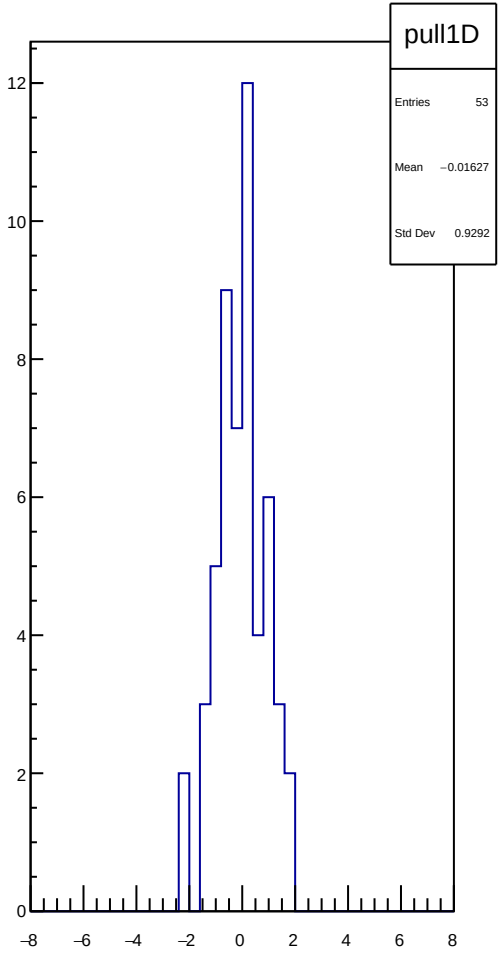

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 2877 / 52
p0 389.2 ± 0.3895
420
400
380
360
340

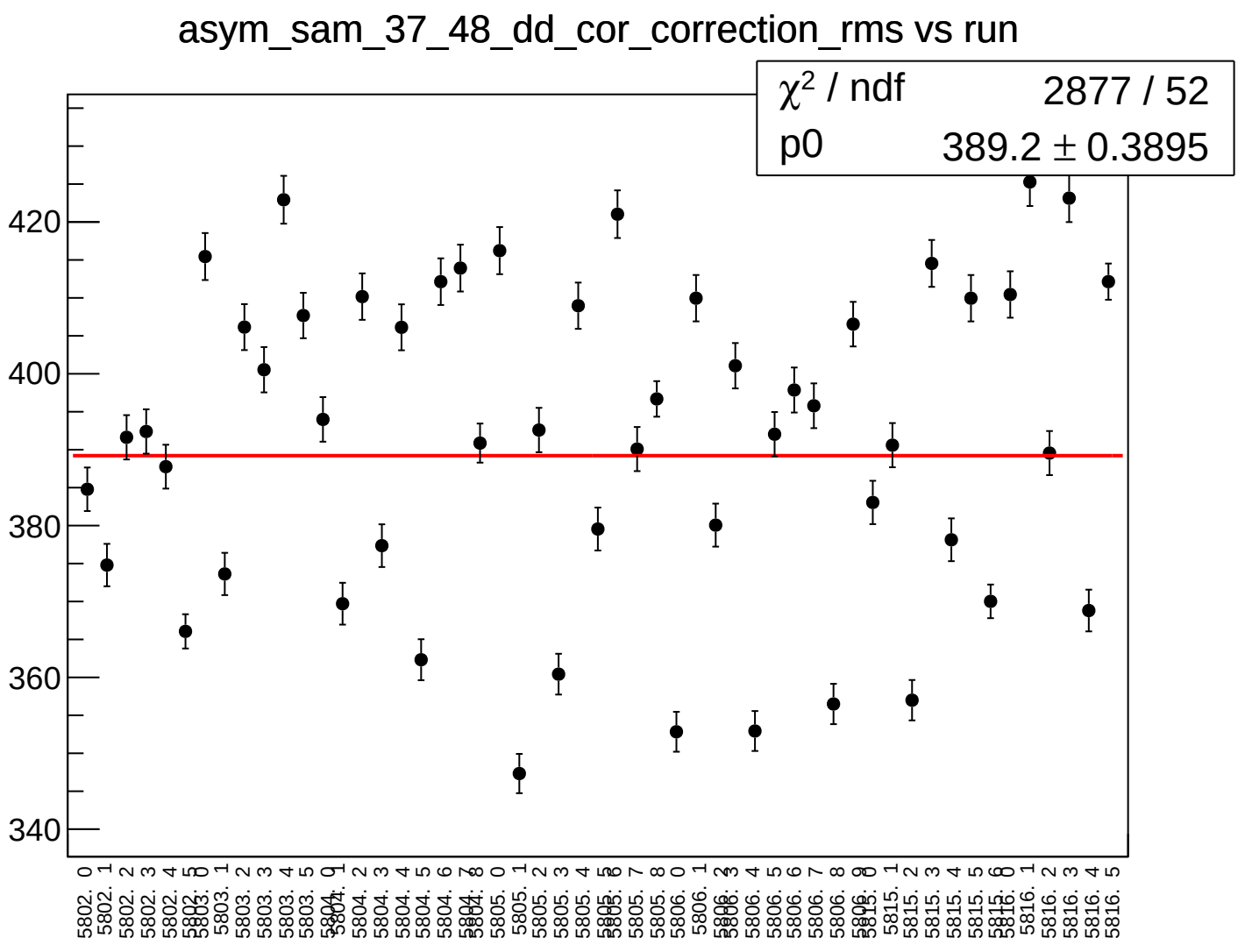

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 42.29 / 52
p0 10.68 ± 75.18
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 53
Mean 148.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

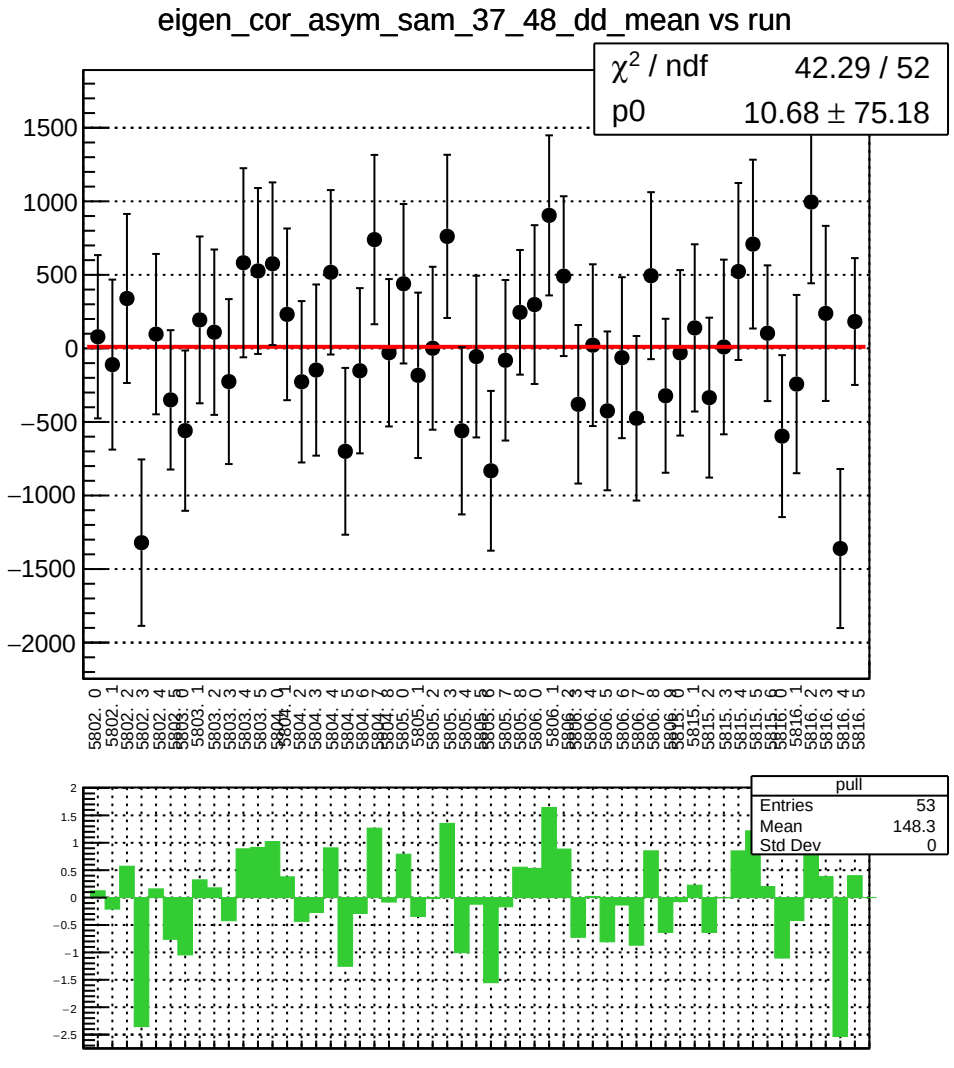

pull1D
Entries 53
Mean 0.00315
Std Dev 0.8932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

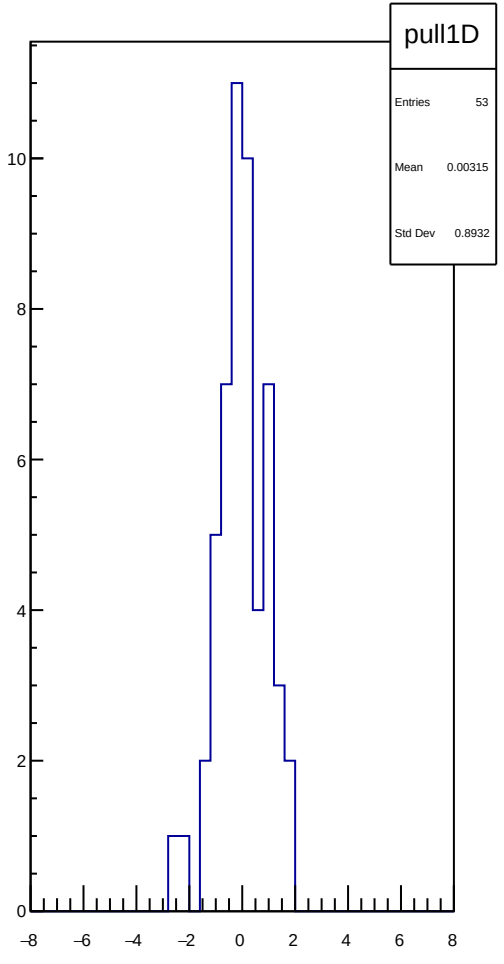

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1144 / 52
p0 53.17 ± 0.05316
62
60
58
56
54
52
50

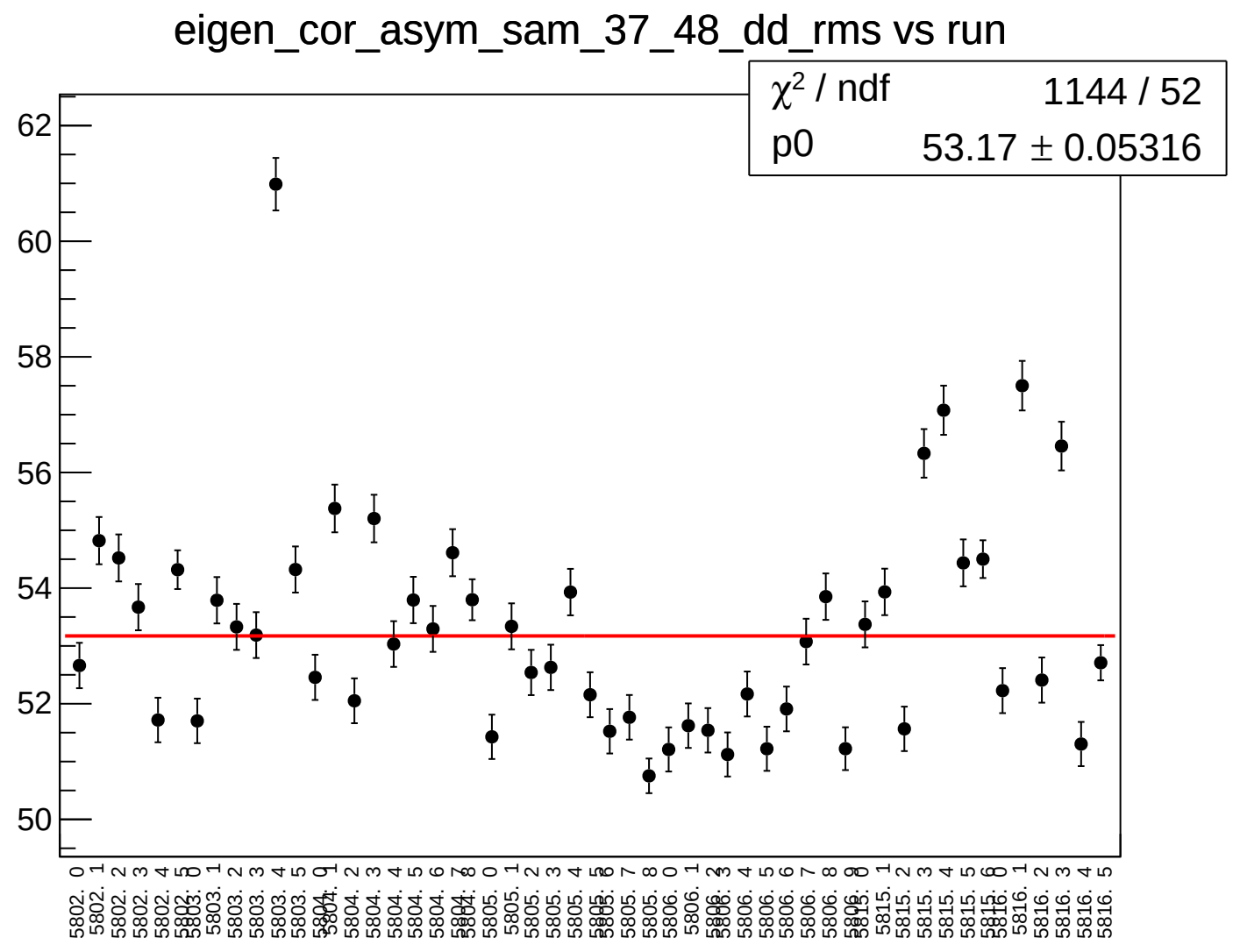

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 45.78 / 52
p0 131.5 ± 550.8
pull
Entries 53
Mean −55.74
Std Dev 0

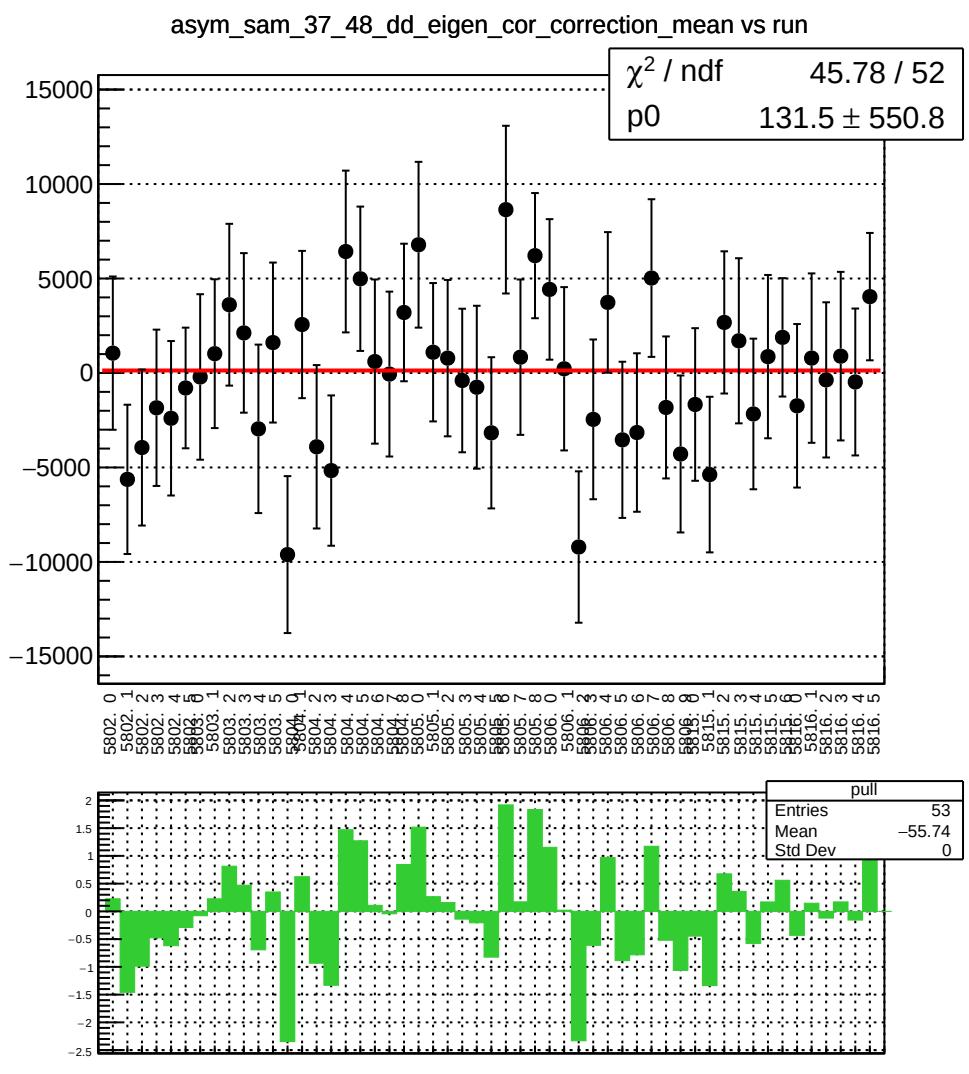

pull1D
Entries 53
Mean −0.01627
Std Dev 0.9292

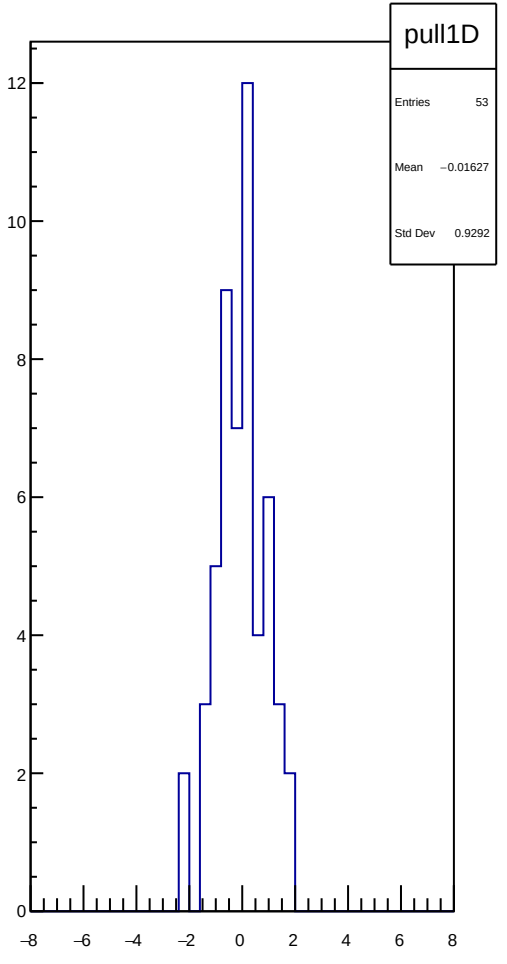

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 2877 / 52
p0 389.2 ± 0.3895
420
400
380
360
340

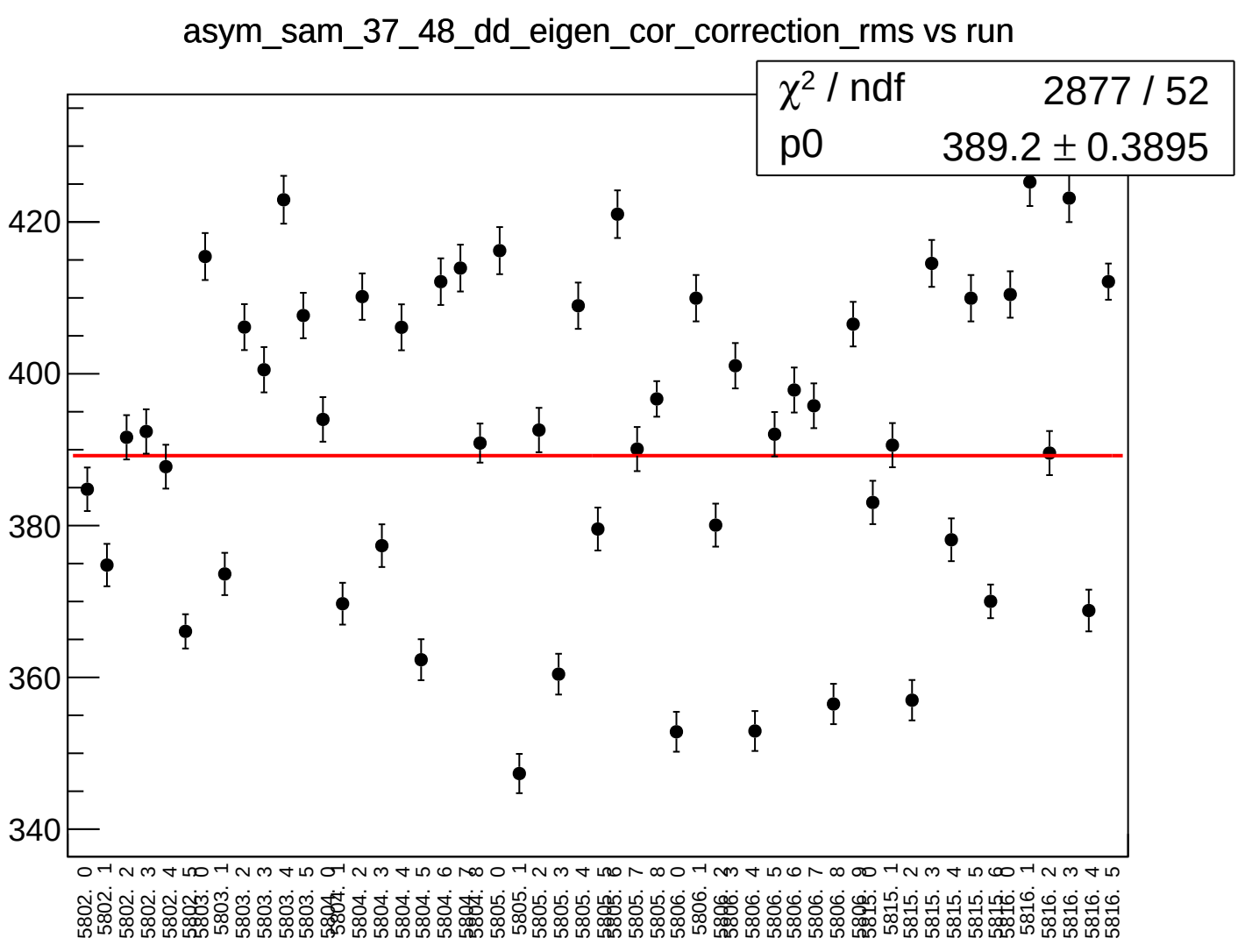

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 42.29 / 52
p0 10.68 ± 75.18
pull
Entries 53
Mean 148.3
Std Dev 0

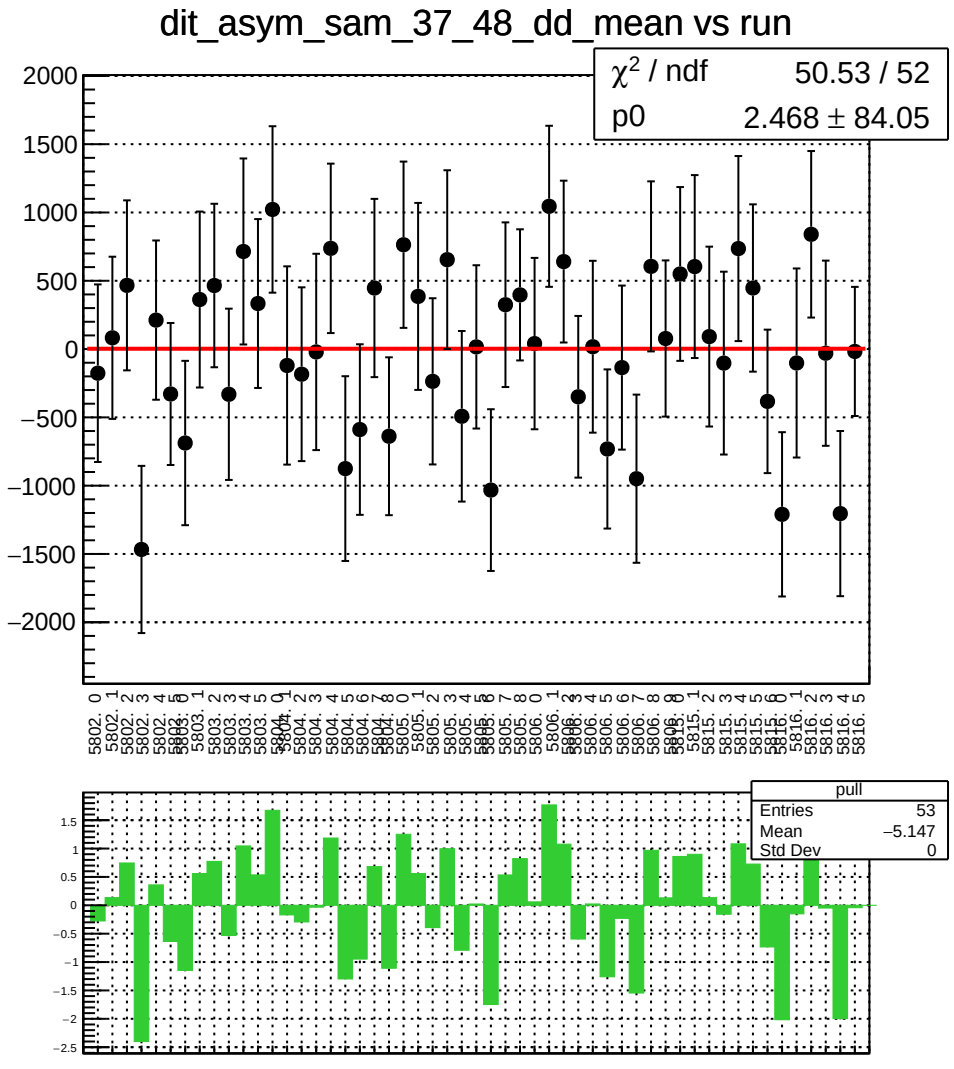

pull1D
Entries 53
Mean 0.00315
Std Dev 0.8932

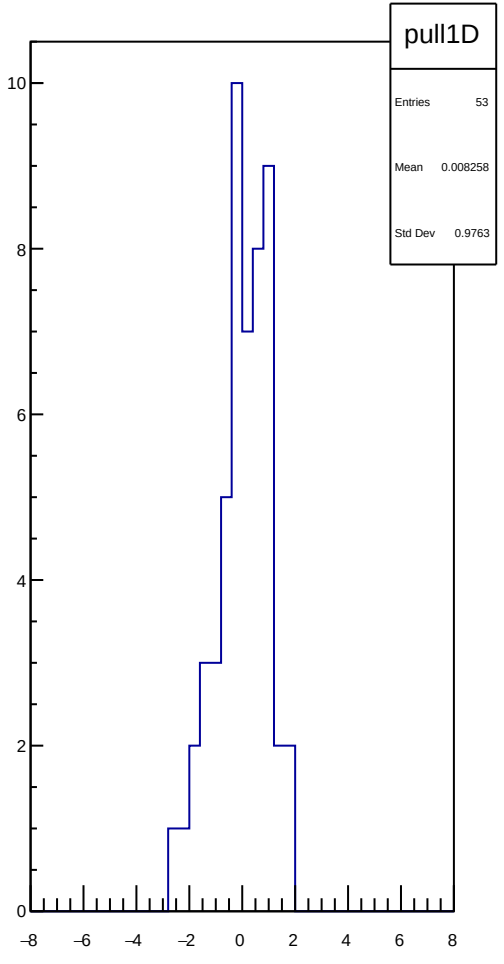

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1144 / 52
p0 53.17 ± 0.05316
62
60
58
56
54
52
50

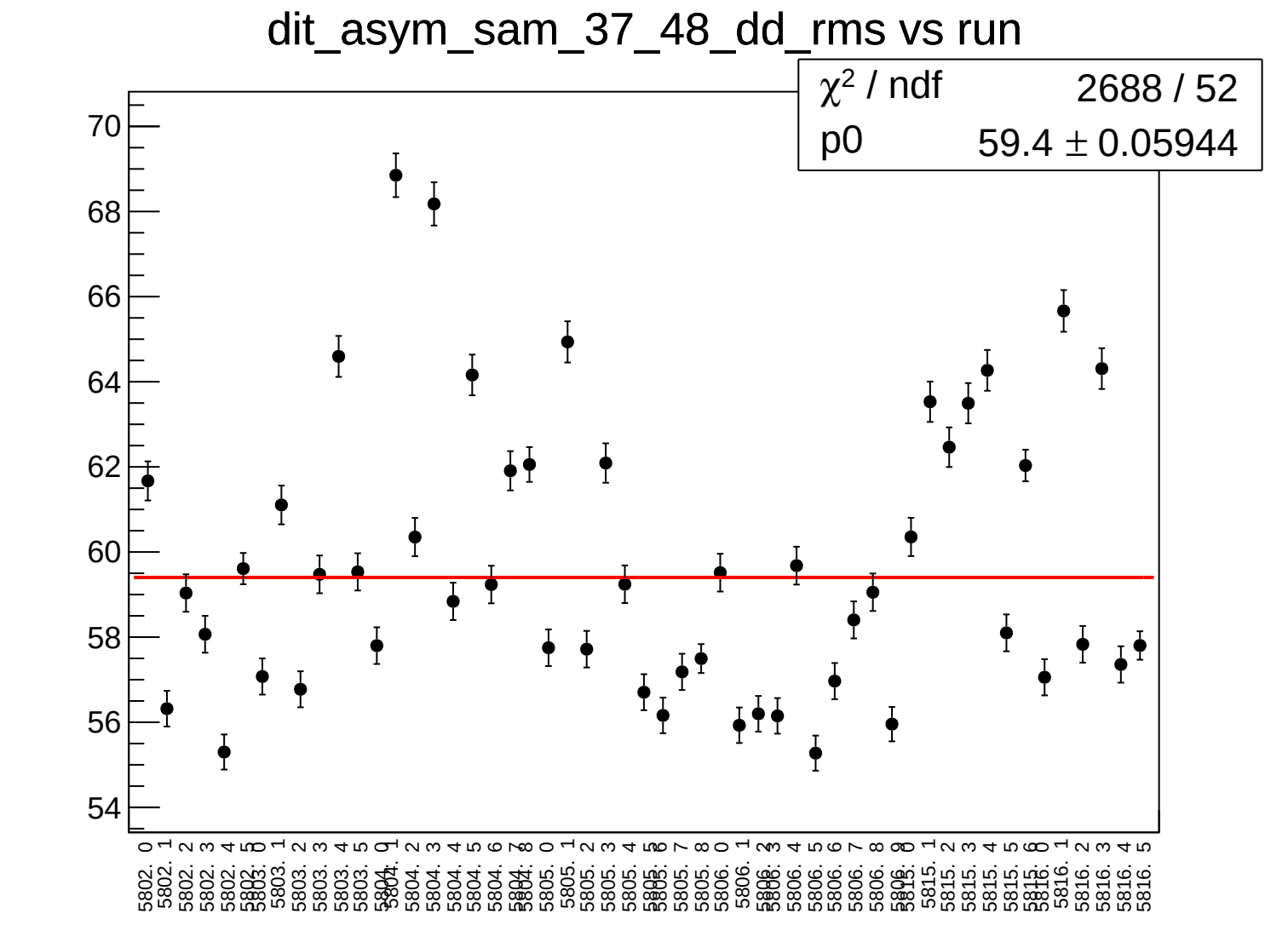

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 45.78 / 52
p0 131.5 ± 550.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −55.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

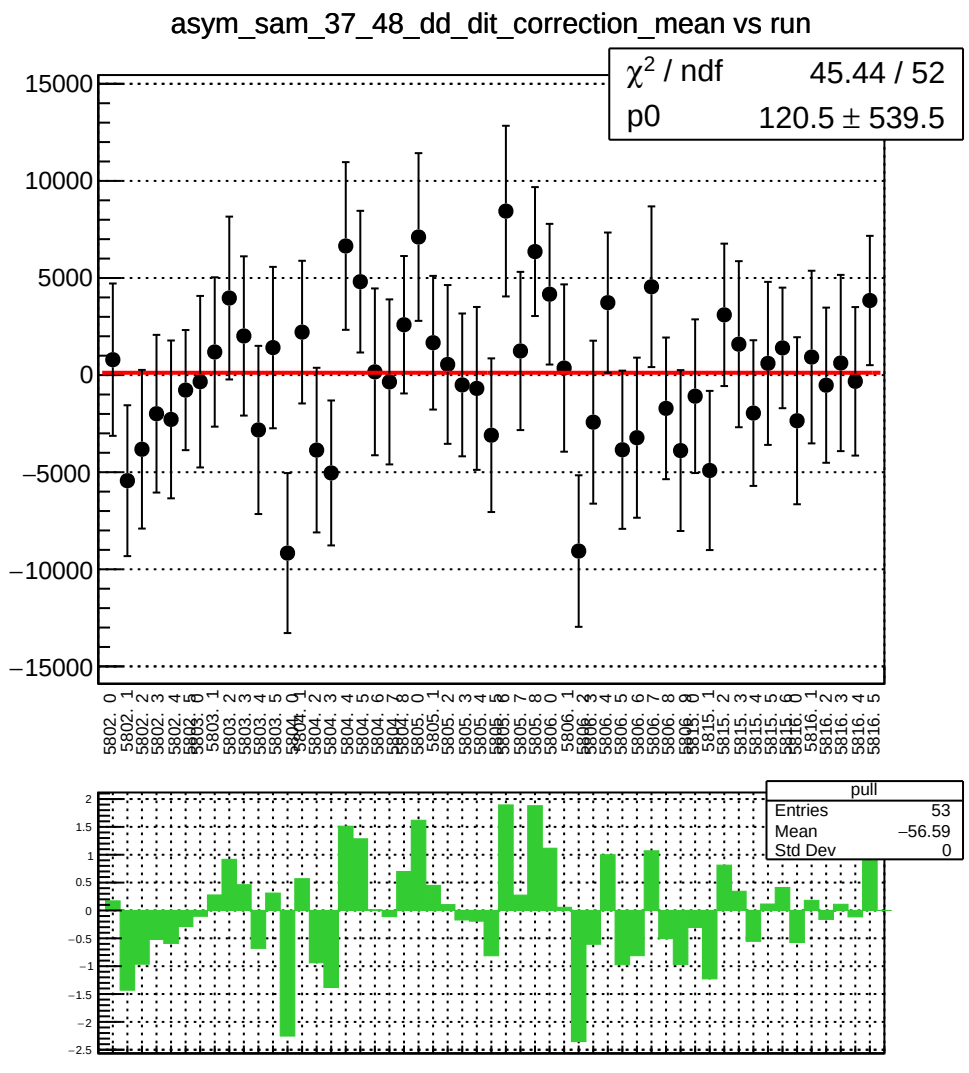

pull1D
Entries 53
Mean −0.01627
Std Dev 0.9292
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

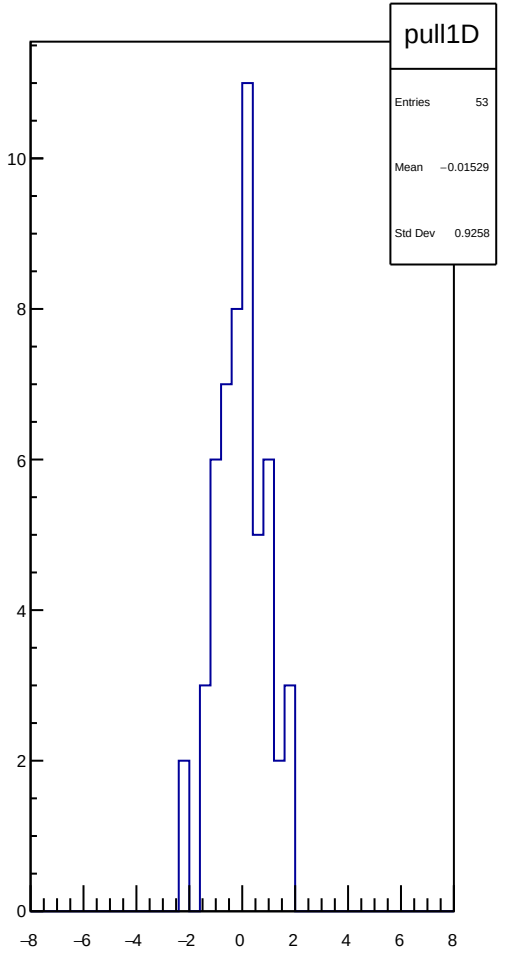

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2877 / 52
p0 389.2 ± 0.3895
420
400
380
360
340

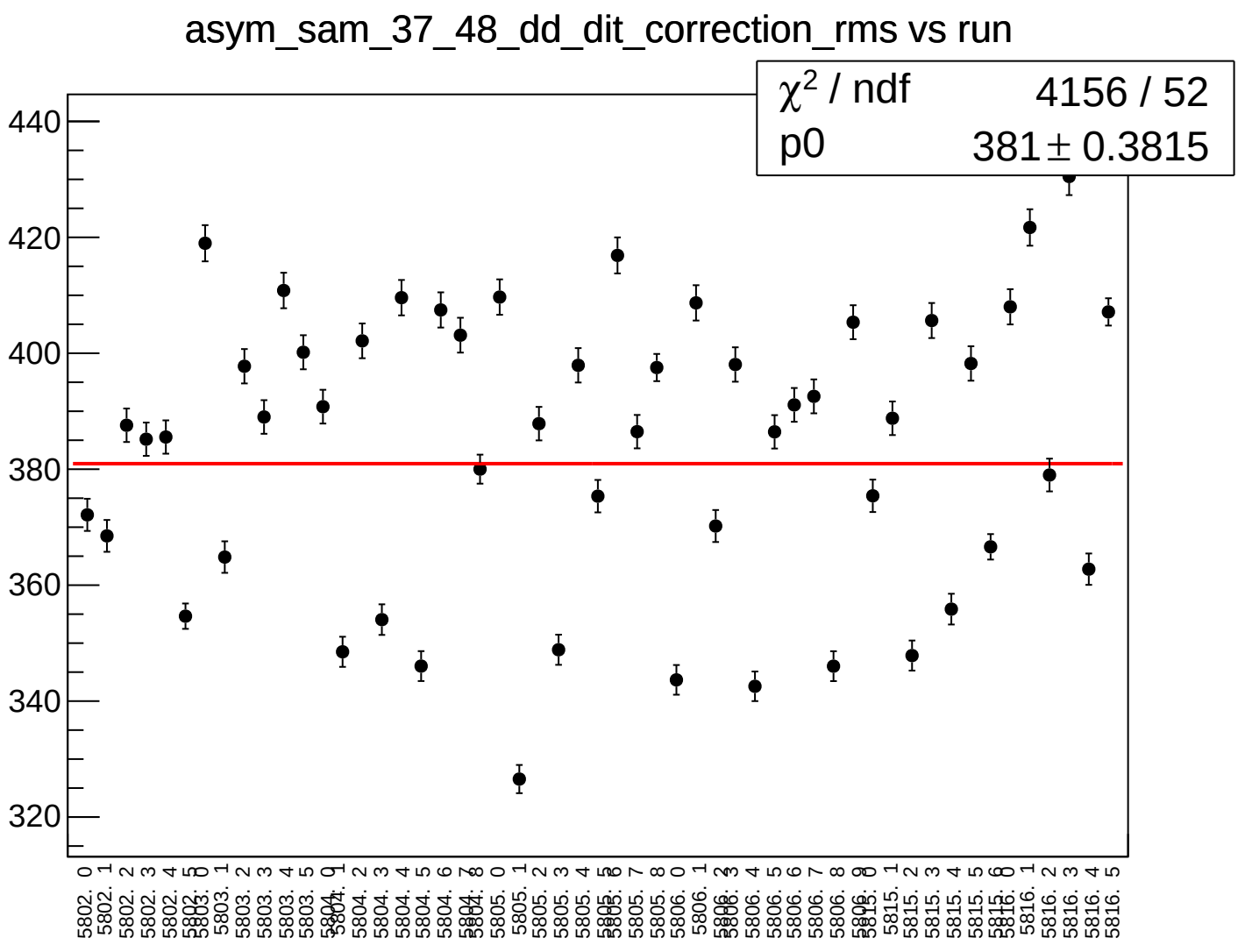

dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 50.53 / 52
p0 2.468 ± 84.05
pull
Entries 53
Mean −5.147
Std Dev 0

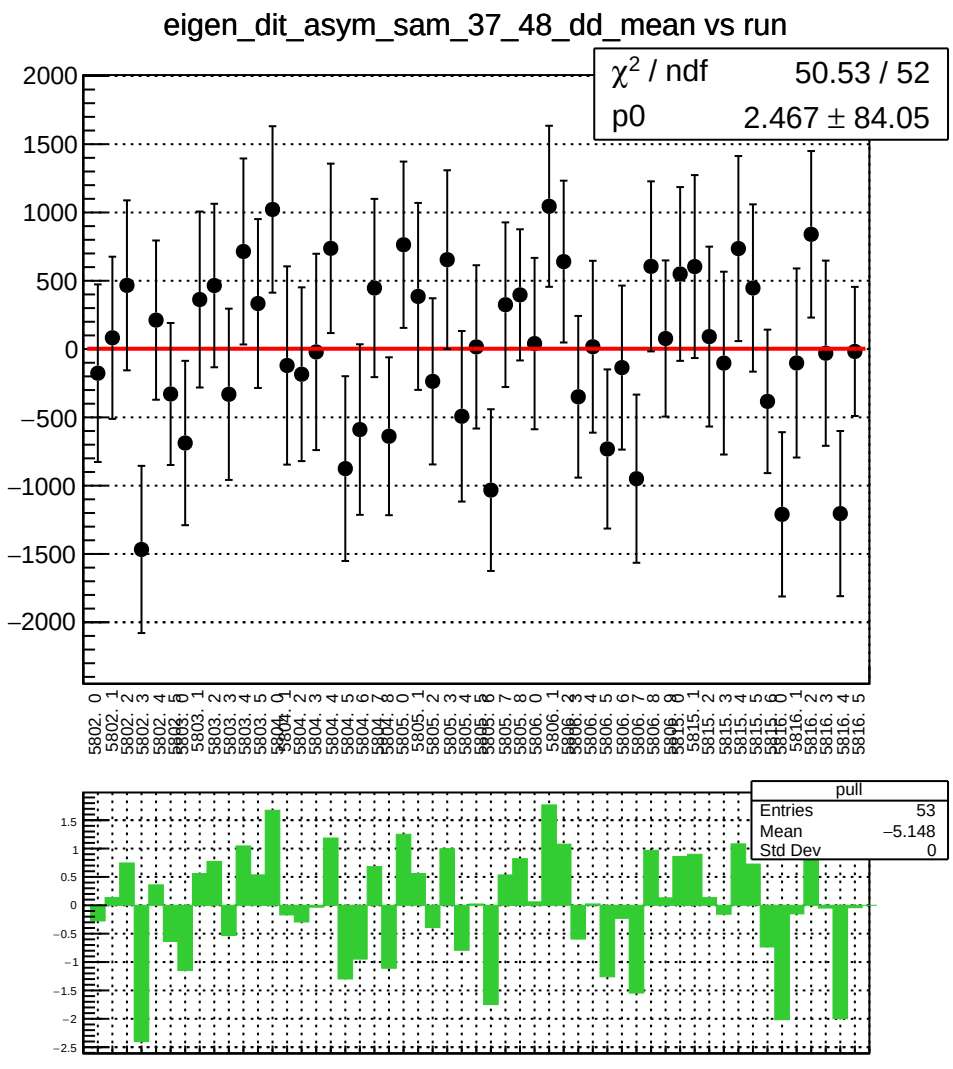

pull1D
Entries 53
Mean 0.008258
Std Dev 0.9763

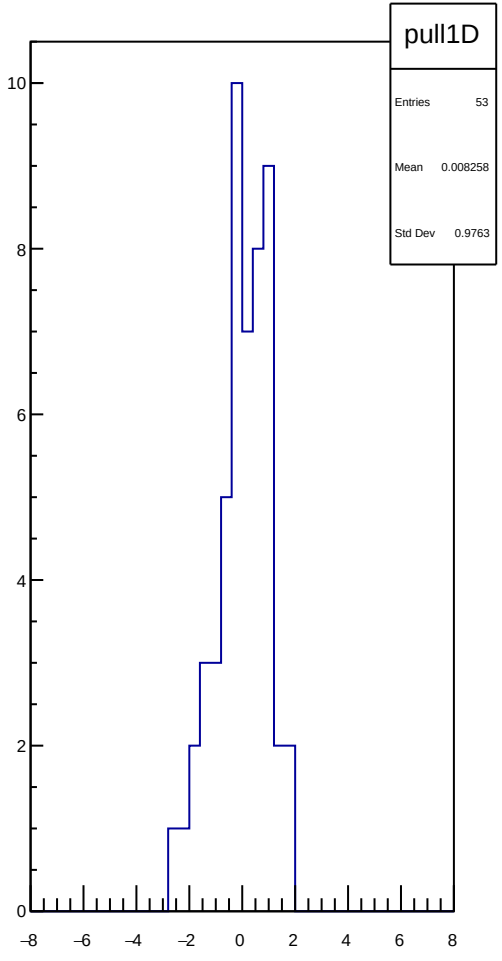

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2688 / 52
p0 59.4 ± 0.05944
70
68
66
64
62
60
58
56
54

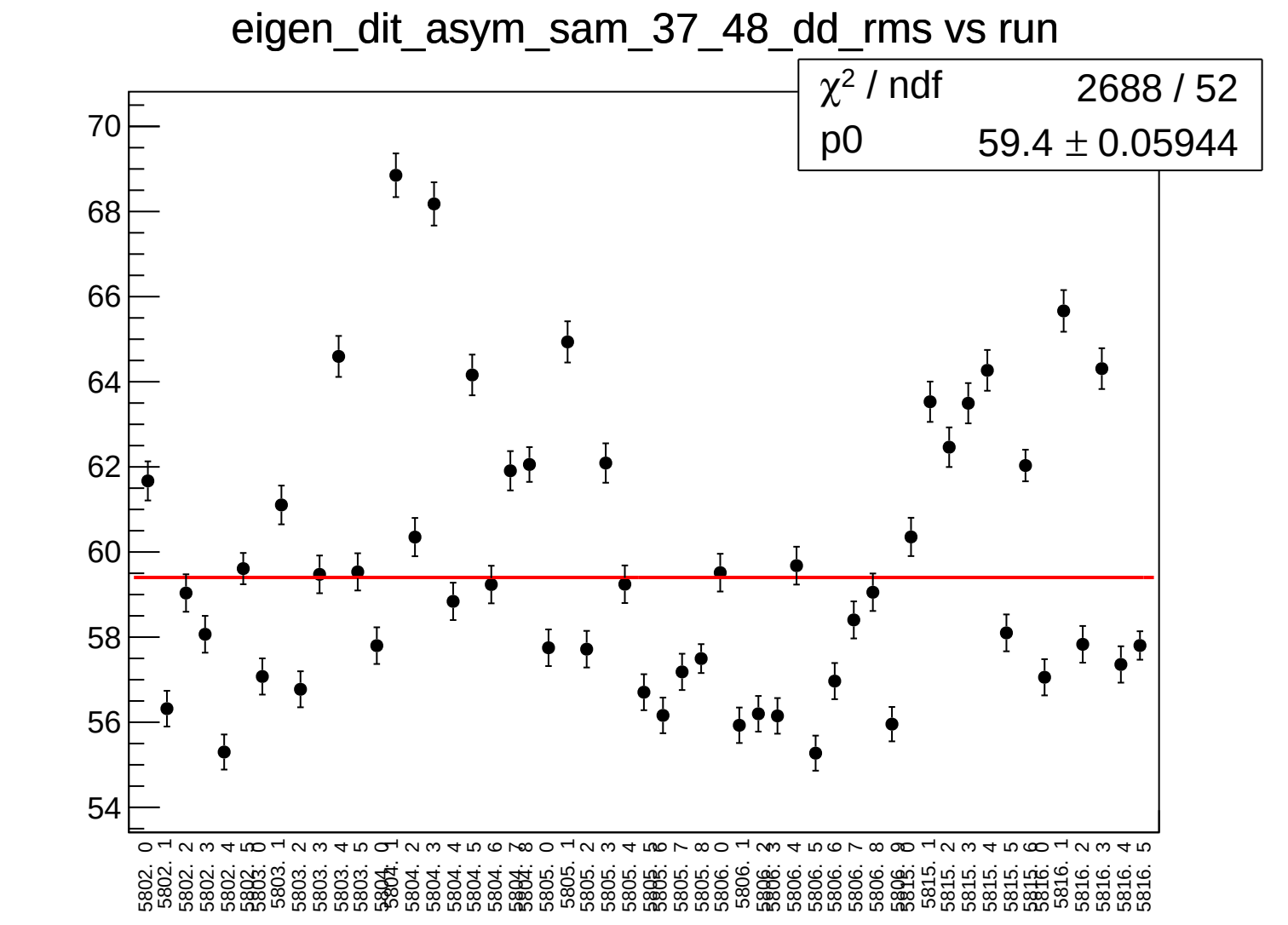

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 45.44 / 52
p0 120.5 ± 539.5
pull
Entries 53
Mean −56.59
Std Dev 0

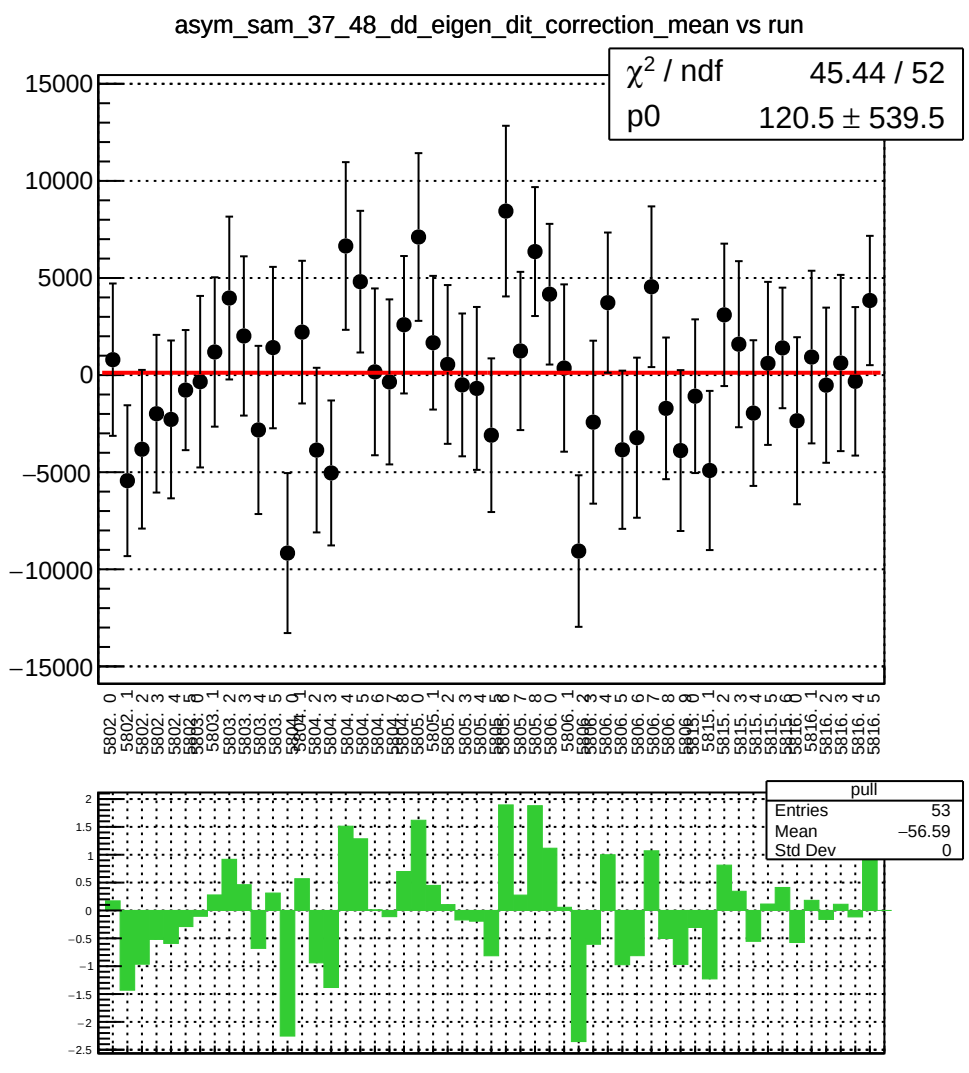

pull1D
Entries 53
Mean −0.01529
Std Dev 0.9258

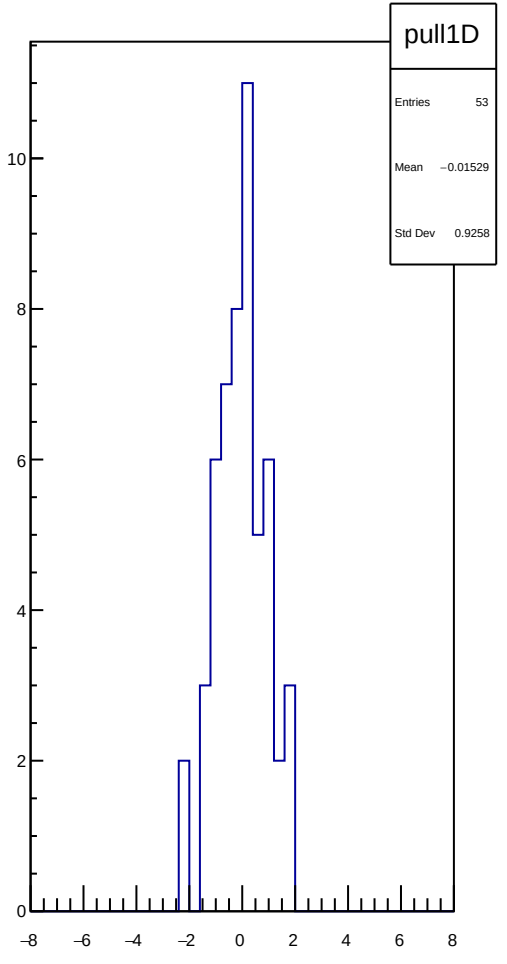

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4156 / 52
p0 381 ± 0.3815
440
420
400
380
360
340
320

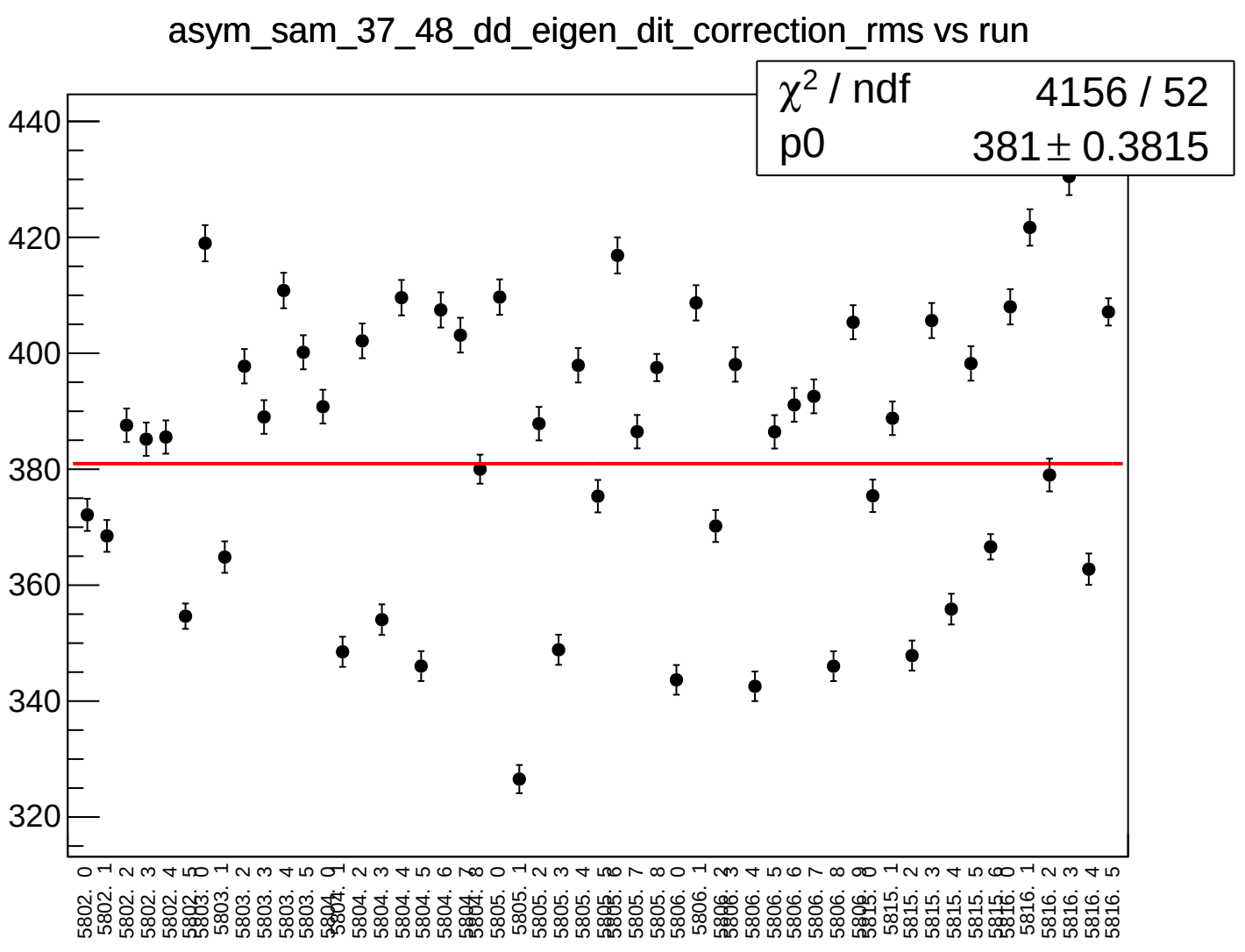

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 50.53 / 52
p0 2.467 ± 84.05
pull
Entries 53
Mean −5.148
Std Dev 0

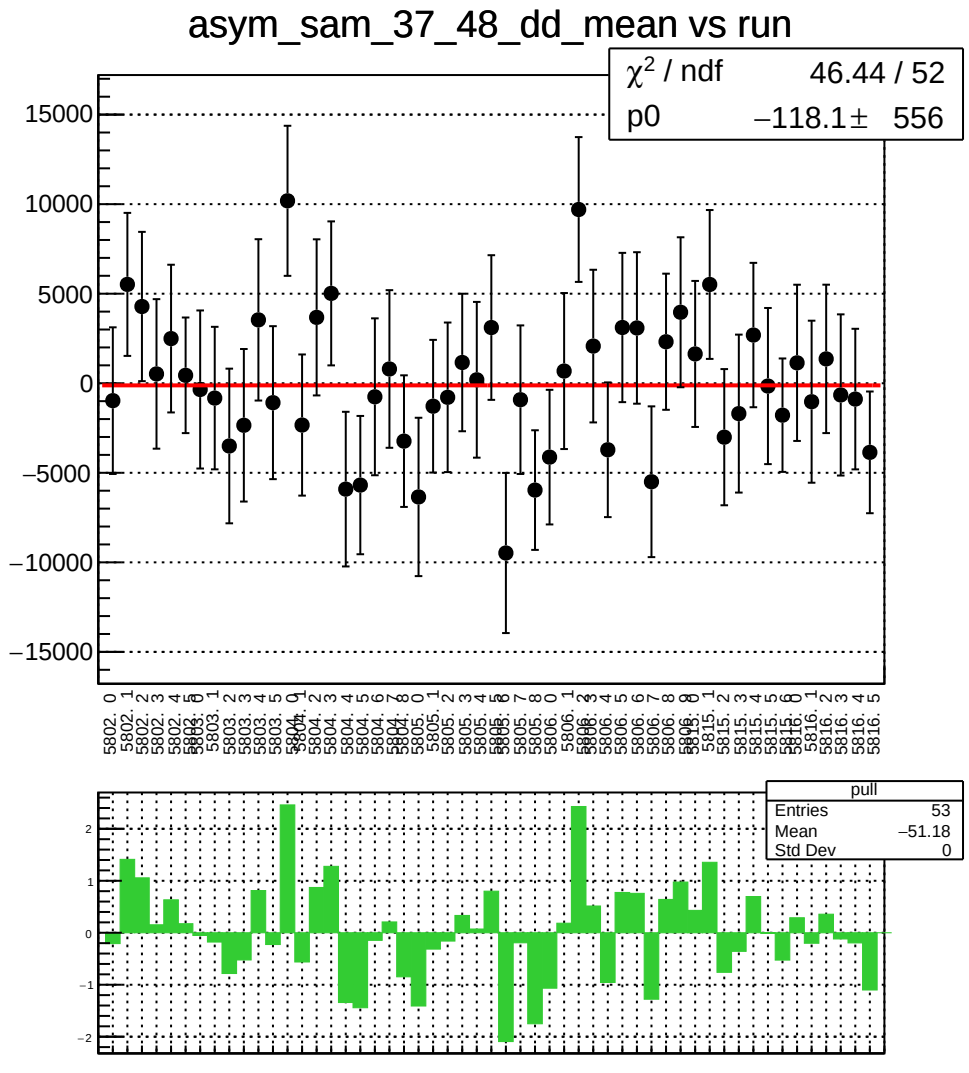

pull1D
Entries 53
Mean 0.008258
Std Dev 0.9763

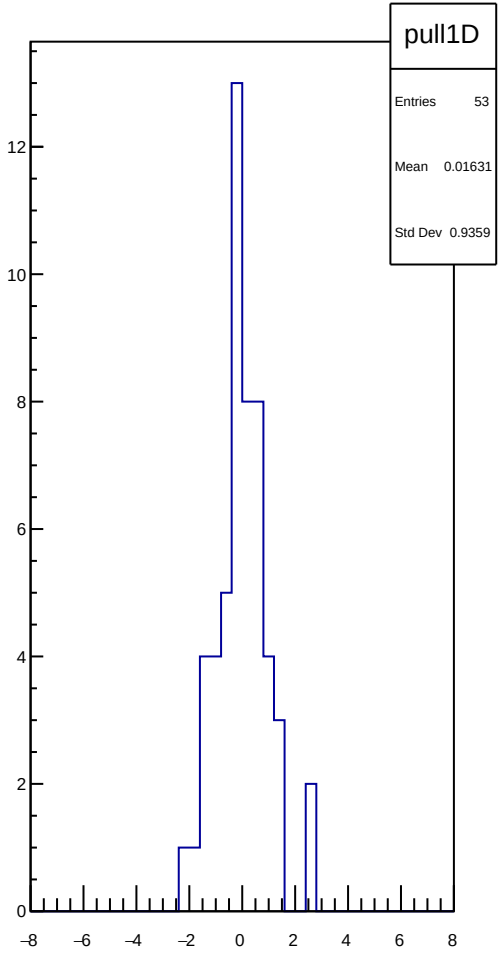

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2688 / 52
p0 59.4 ± 0.05944
70
68
66
64
62
60
58
56
54
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

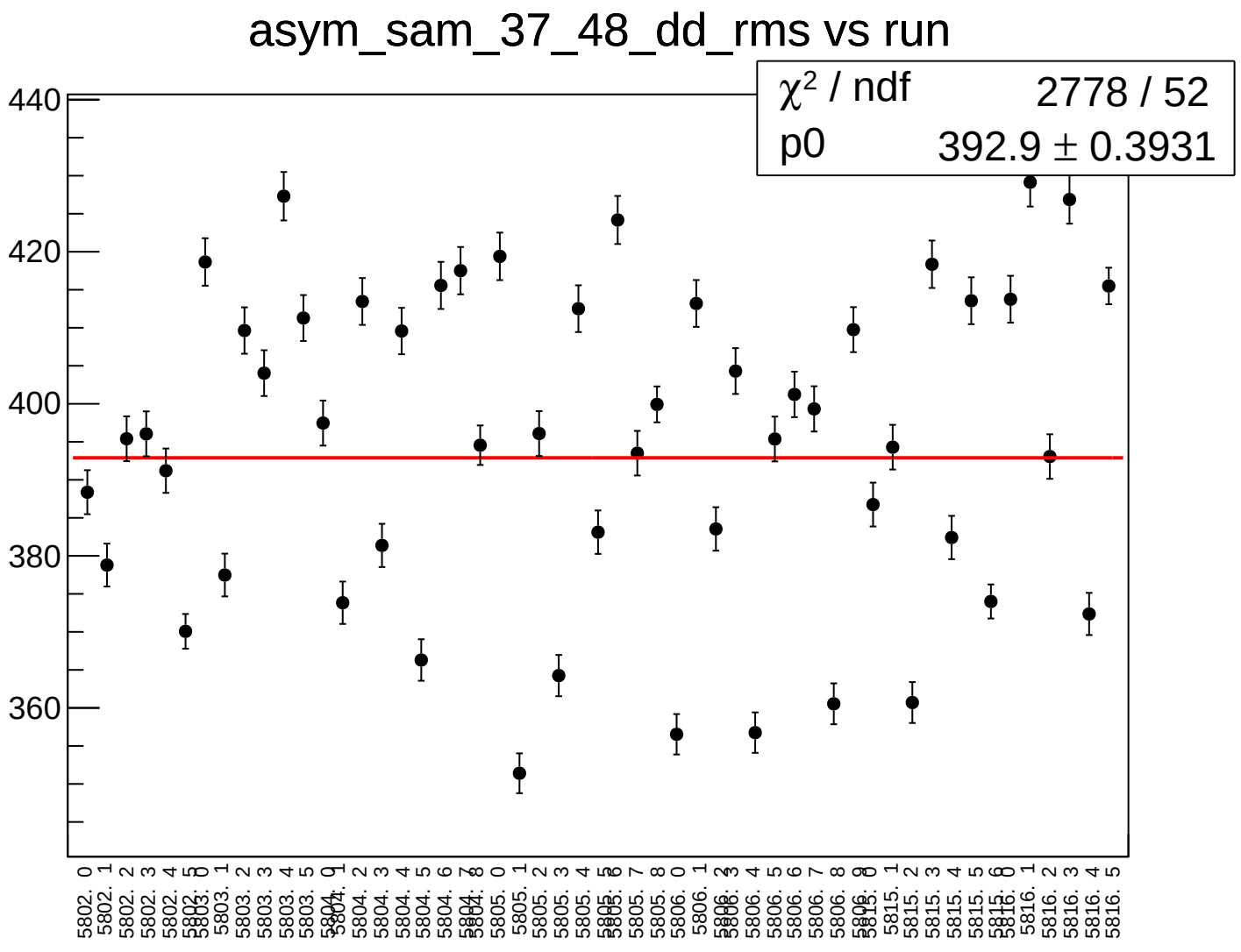

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 45.44 / 52
p0 120.5 ± 539.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −56.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

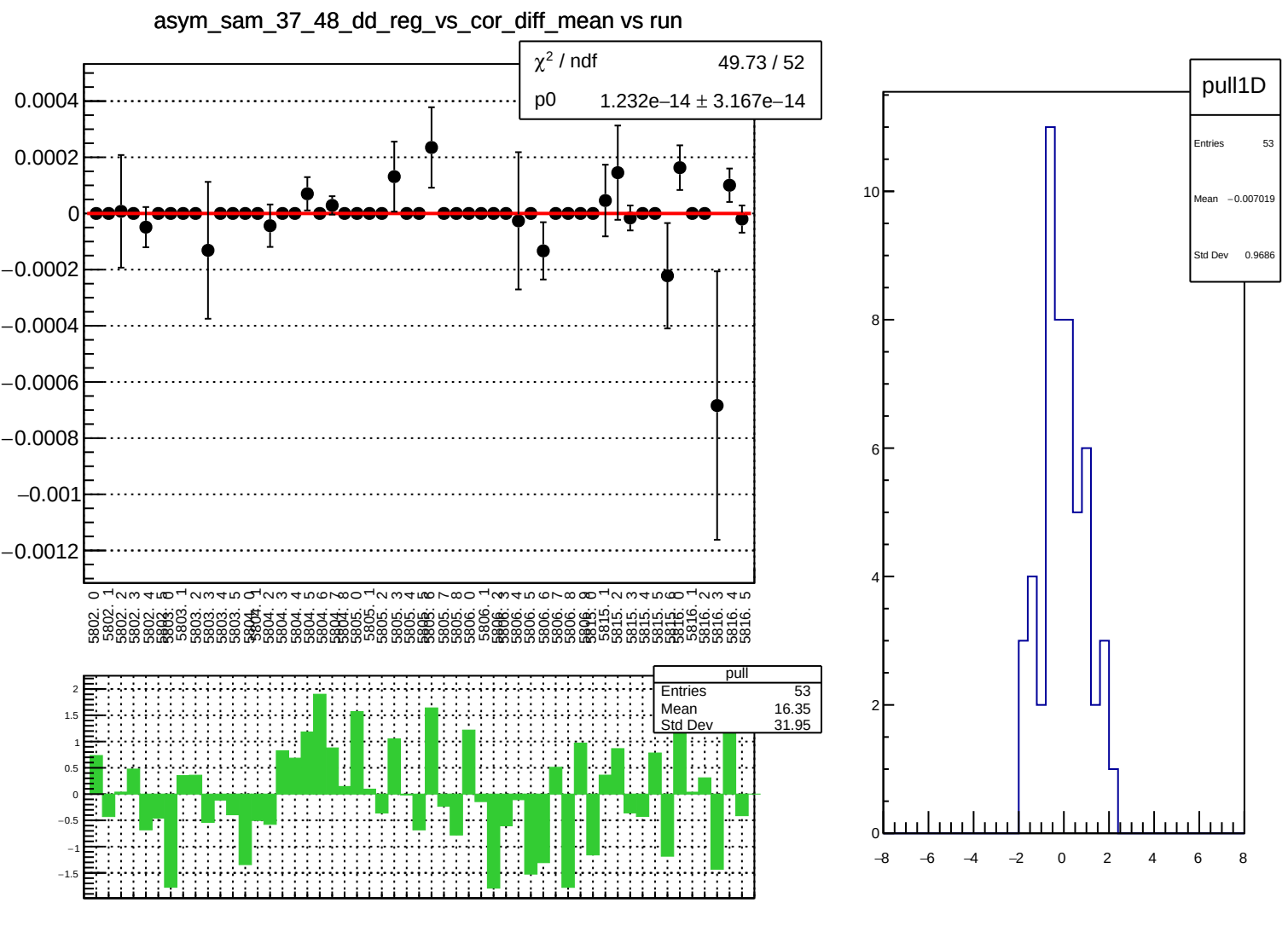

pull1D
Entries 53
Mean −0.01529
Std Dev 0.9258
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

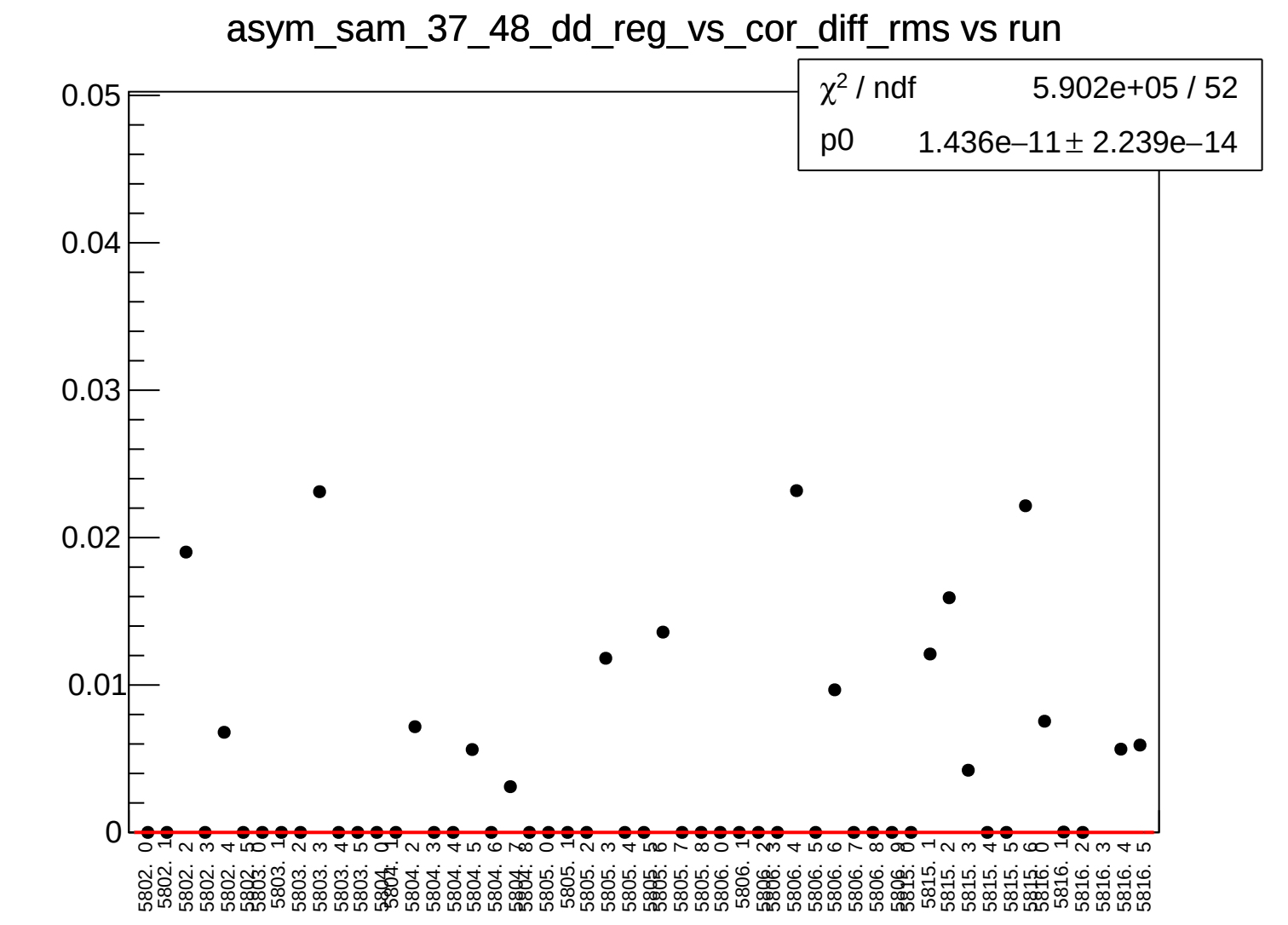

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 4156 / 52
p0 381 ± 0.3815
440
420
400
380
360
340
320
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5


asym_sam_37_48_dd_mean vs run
χ² / ndf 46.44 / 52
p0 −118.1± 556
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −51.18
Std Dev 0
2
1
0
−1
−2

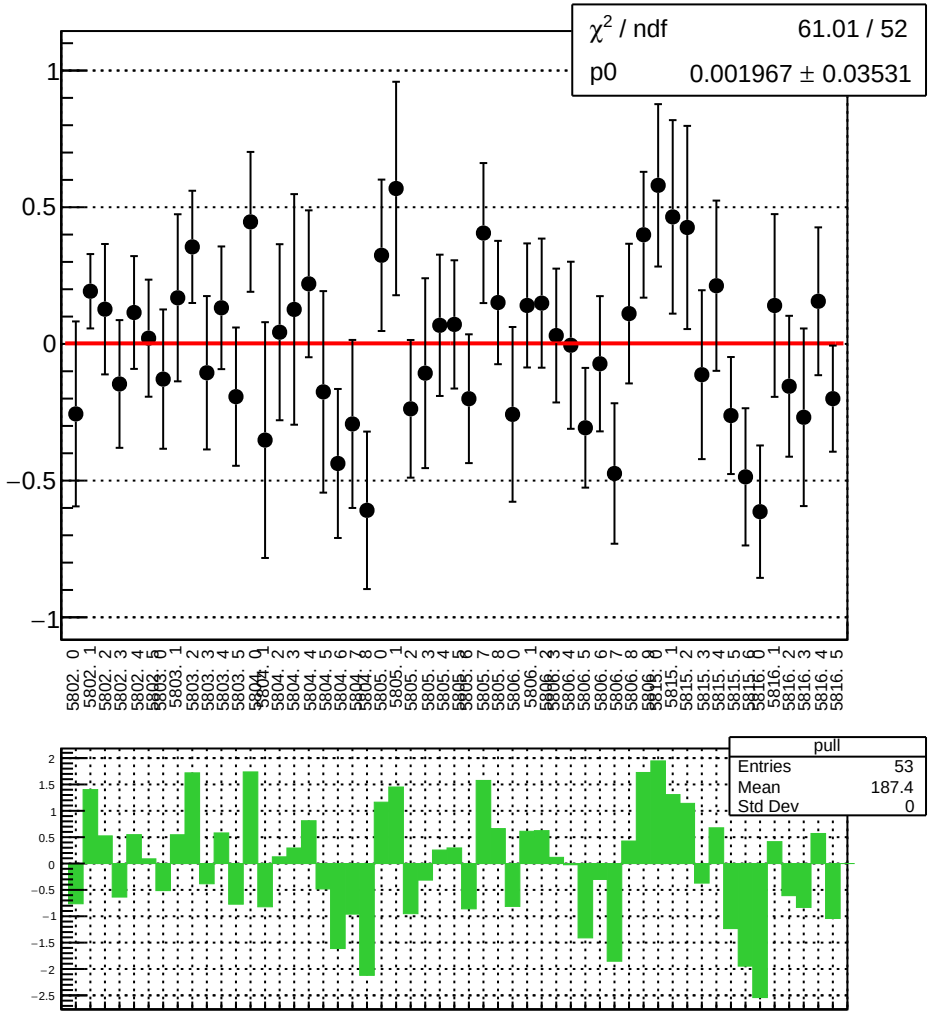

pull1D
Entries 53
Mean 0.01631
Std Dev 0.9359
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

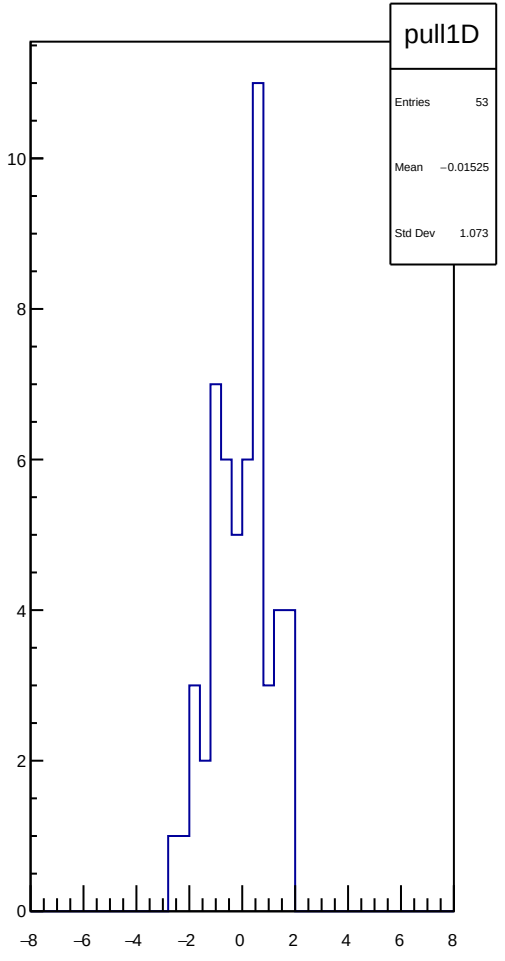

asym_sam_37_48_dd_rms vs run
χ² / ndf 2778 / 52
p0 392.9 ± 0.3931
440
420
400
380
360

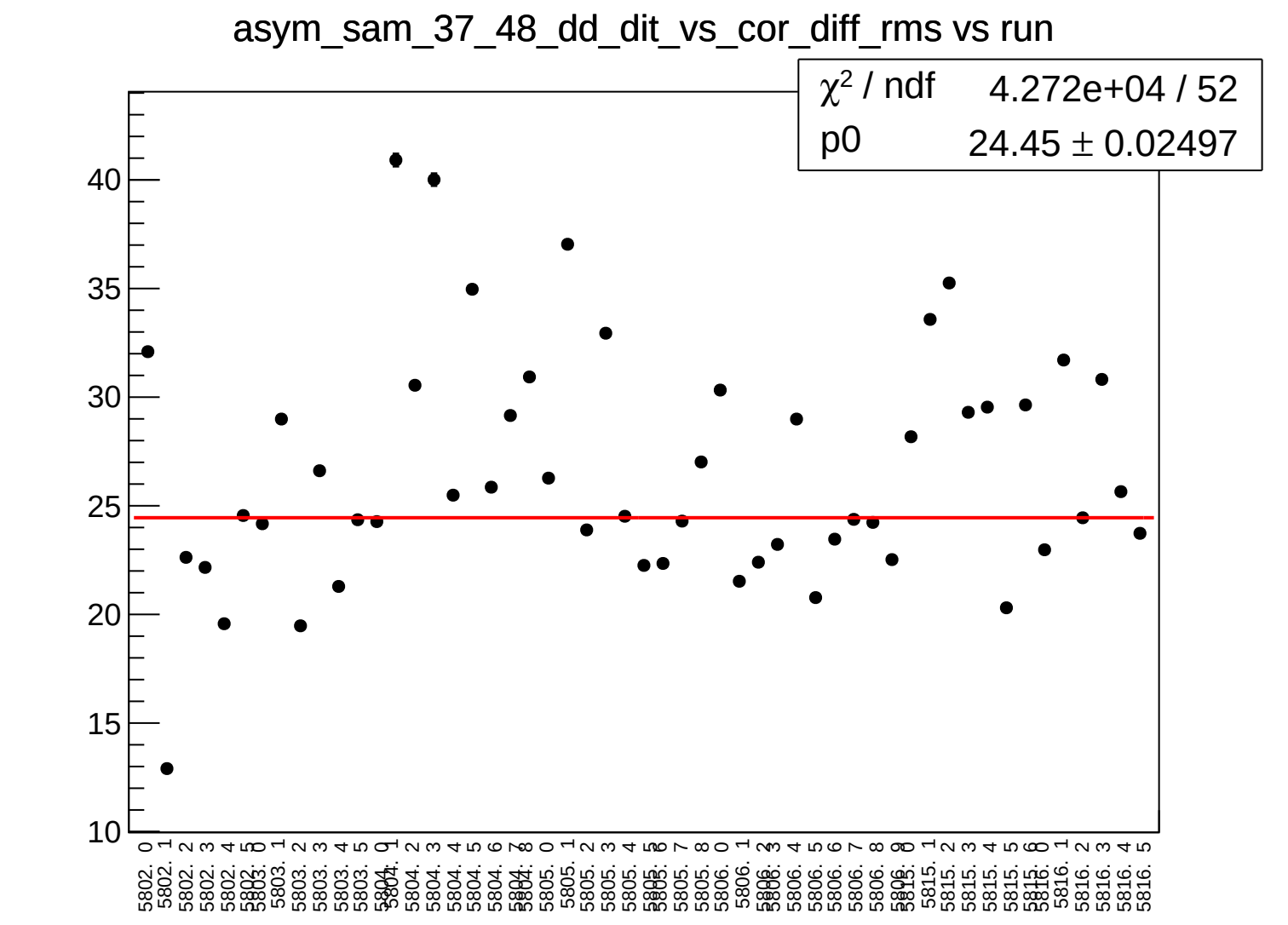

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.73 / 52
p0 1.232e−14 ± 3.167e−14
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 53
Mean 16.35
Std Dev 31.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean −0.007019
Std Dev 0.9686
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.902e+05 / 52
p0 1.436e−11 ± 2.239e−14
0.05
0.04
0.03
0.02
0.01
0

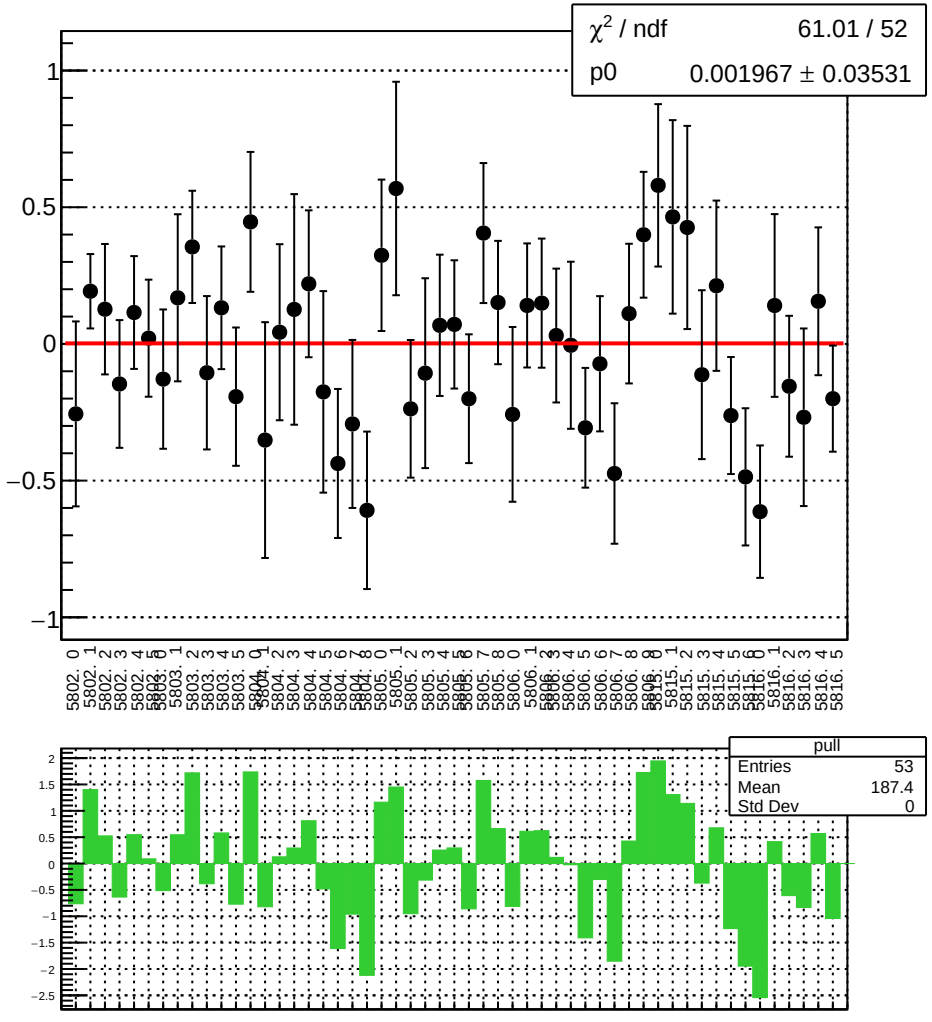
asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run

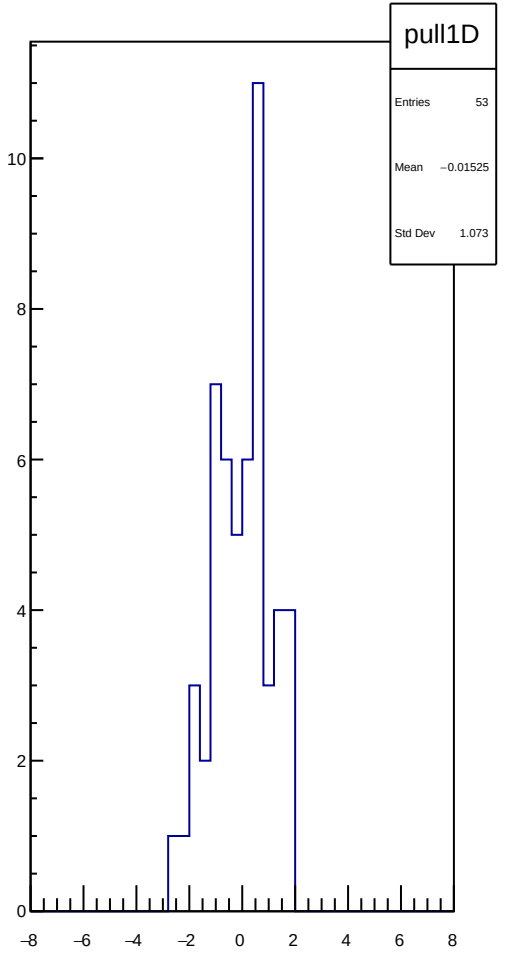


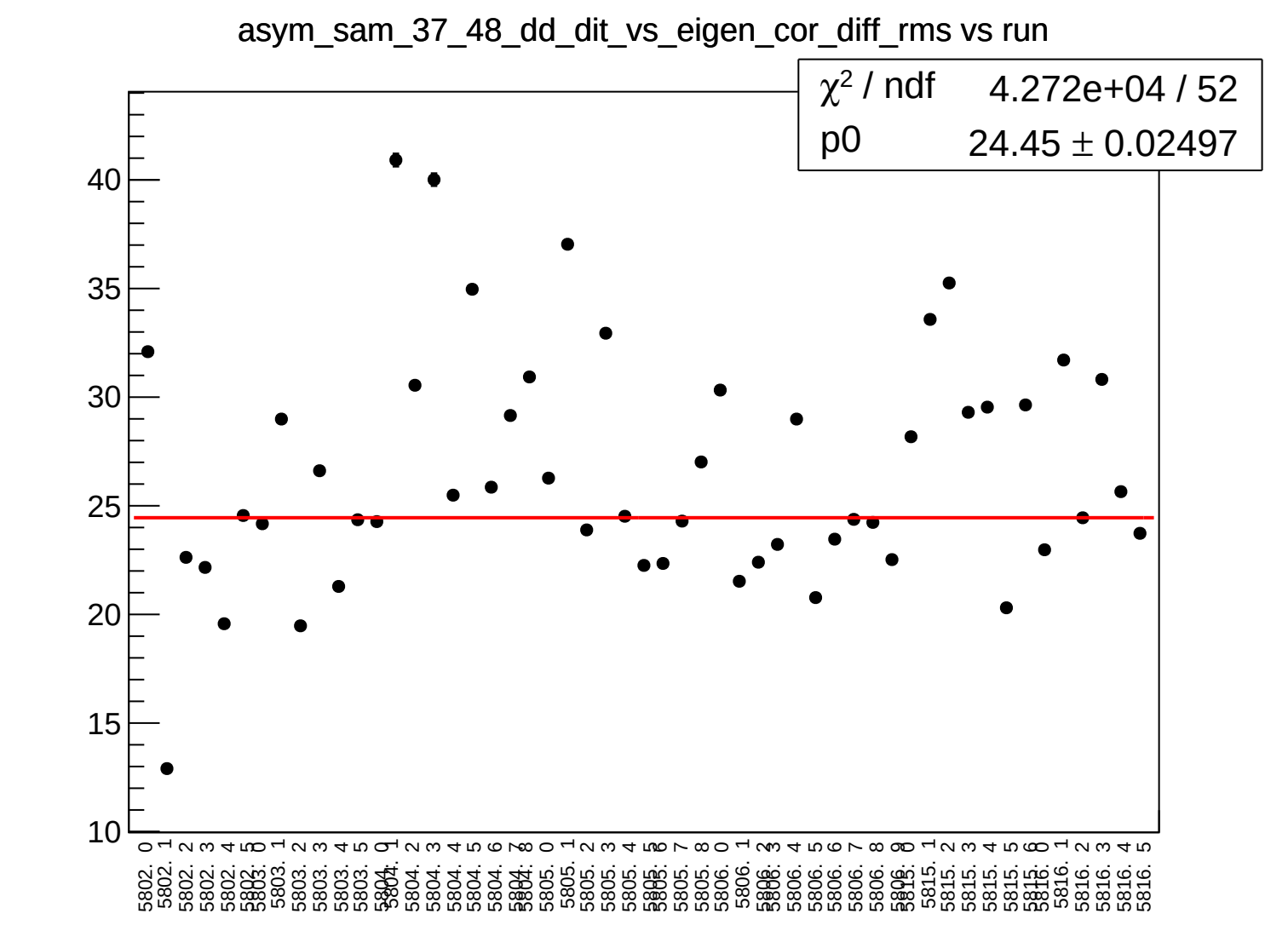



asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.272e+04 / 52
p0 24.45 ± 0.02497
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run






asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.272e+04 / 52
p0 24.45 ± 0.02497
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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5816. 2
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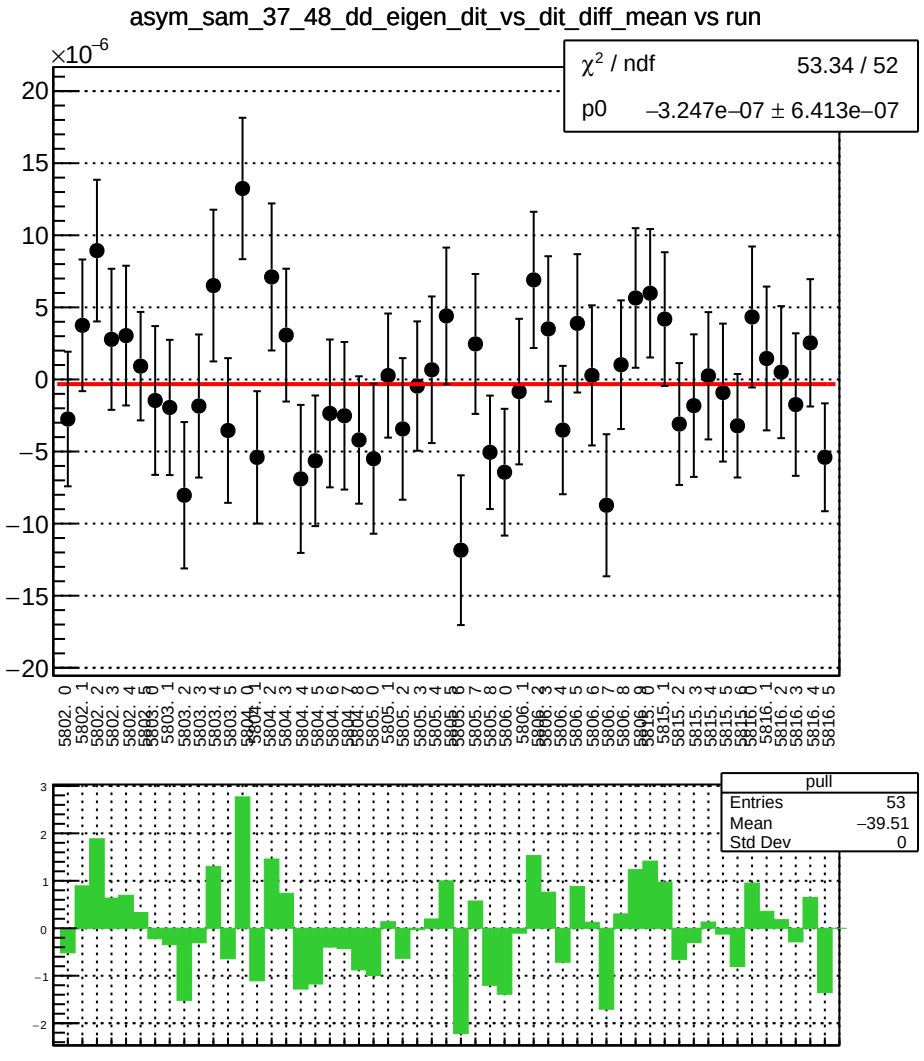
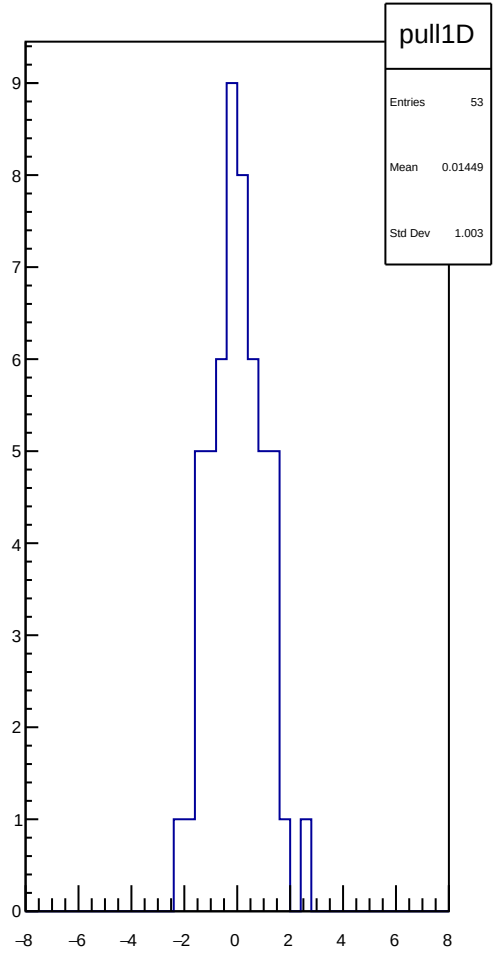
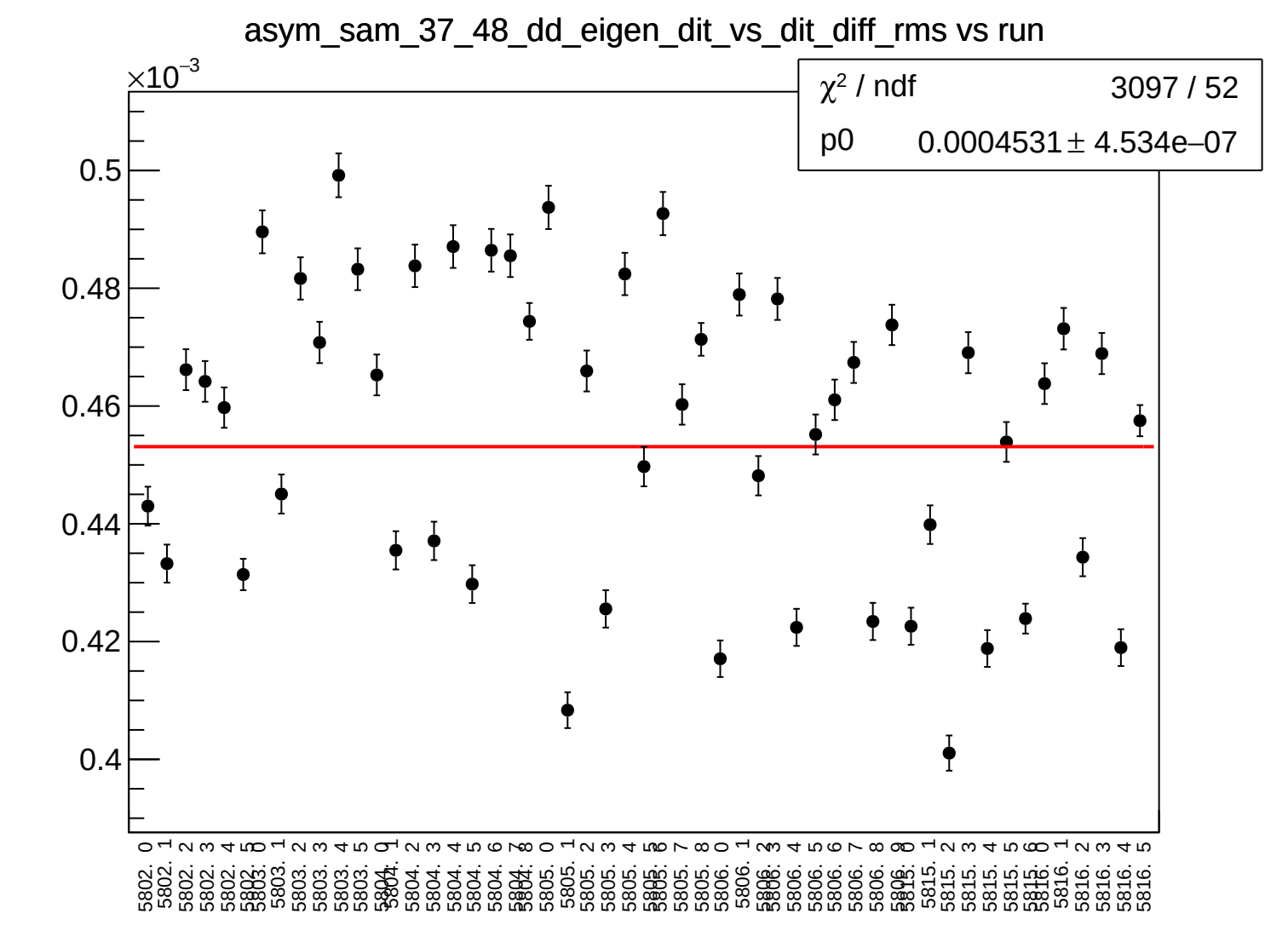
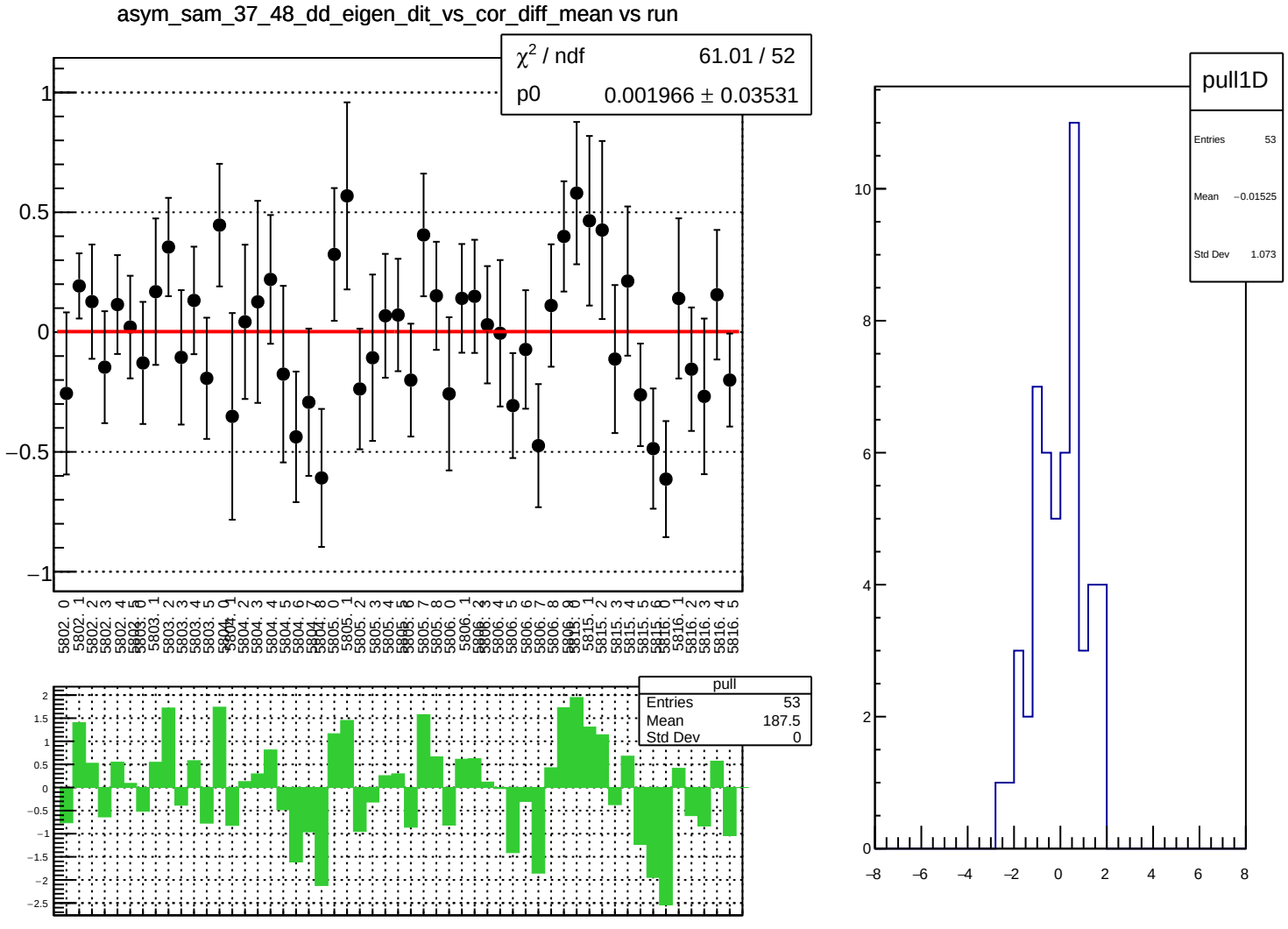
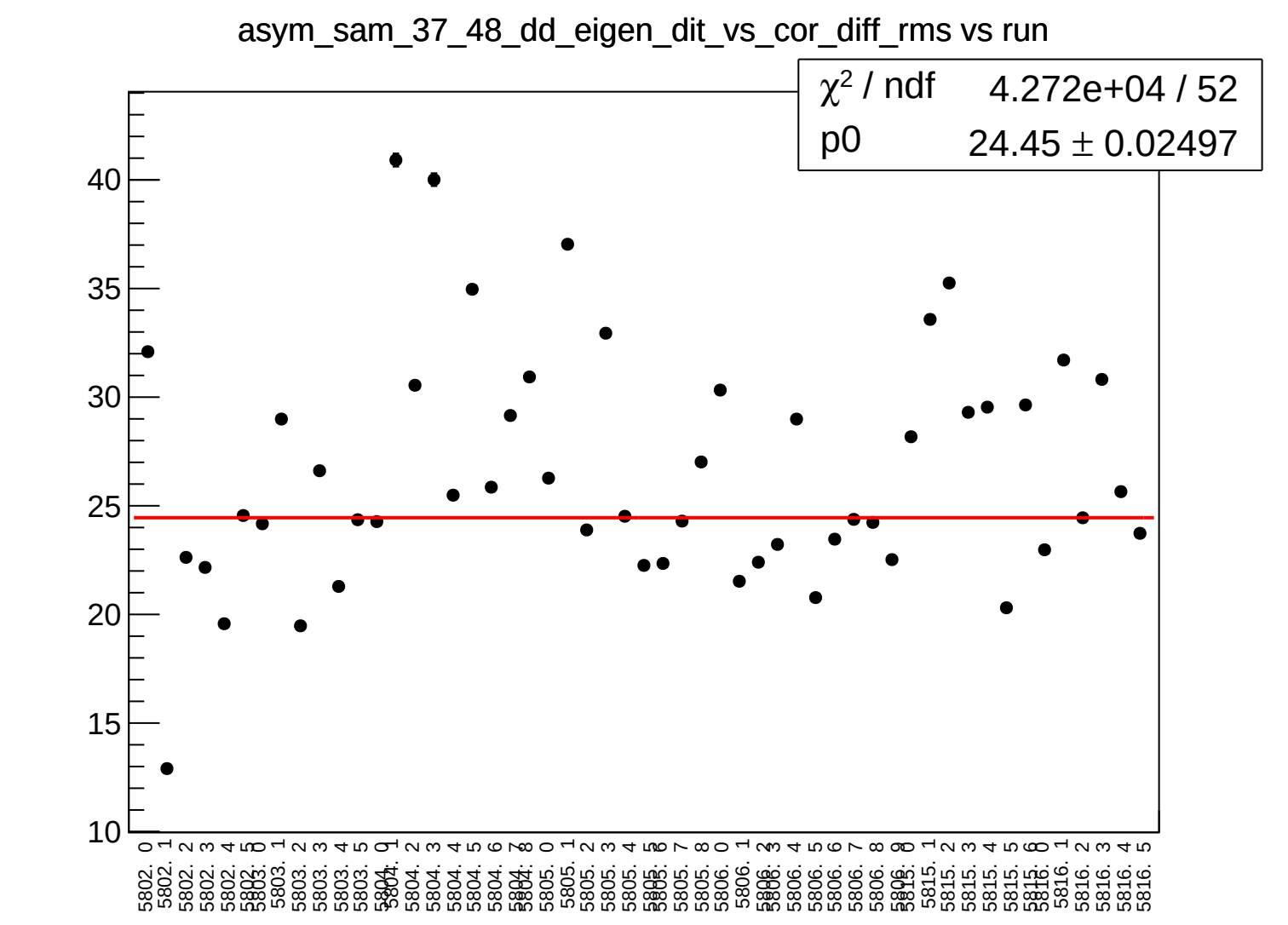
5816. 4
5816. 5


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 53.34 / 52
p0 −3.247e−07 ± 6.413e−07
pull
Entries 53
Mean −39.51
Std Dev 0

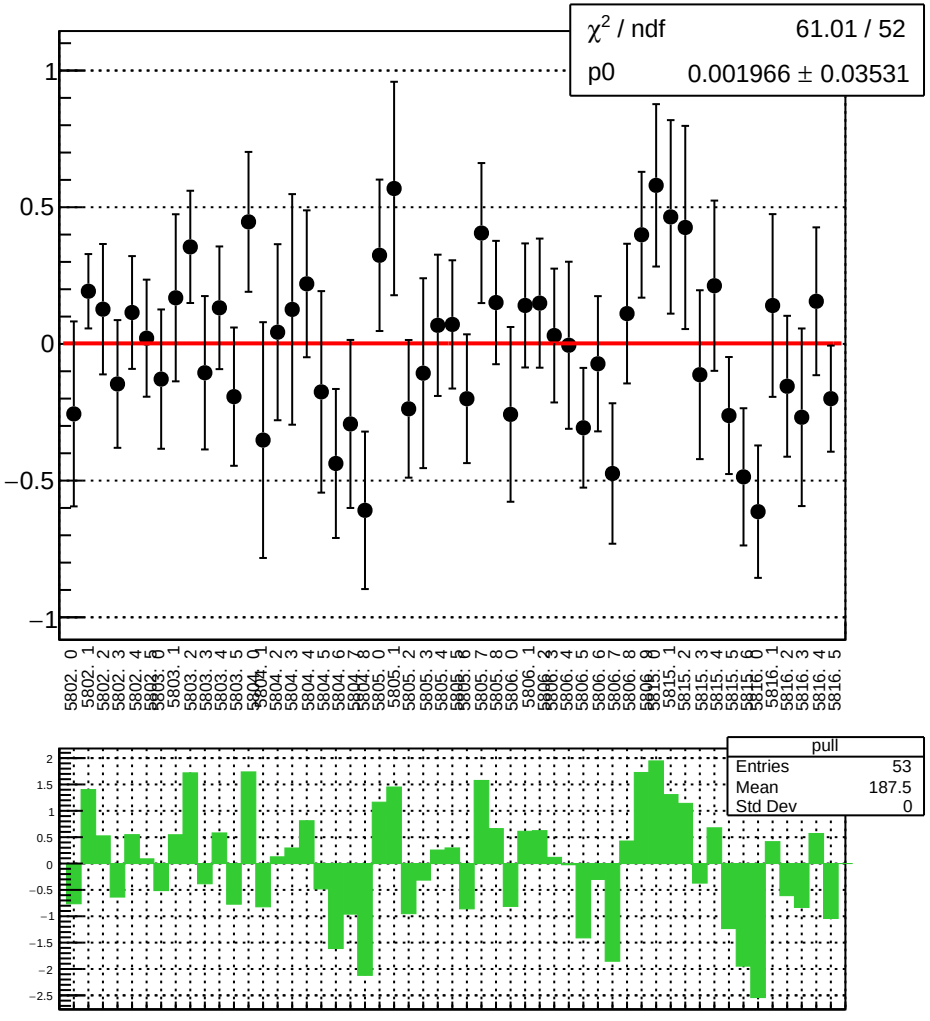

pull1D
Entries 53
Mean 0.01449
Std Dev 1.003

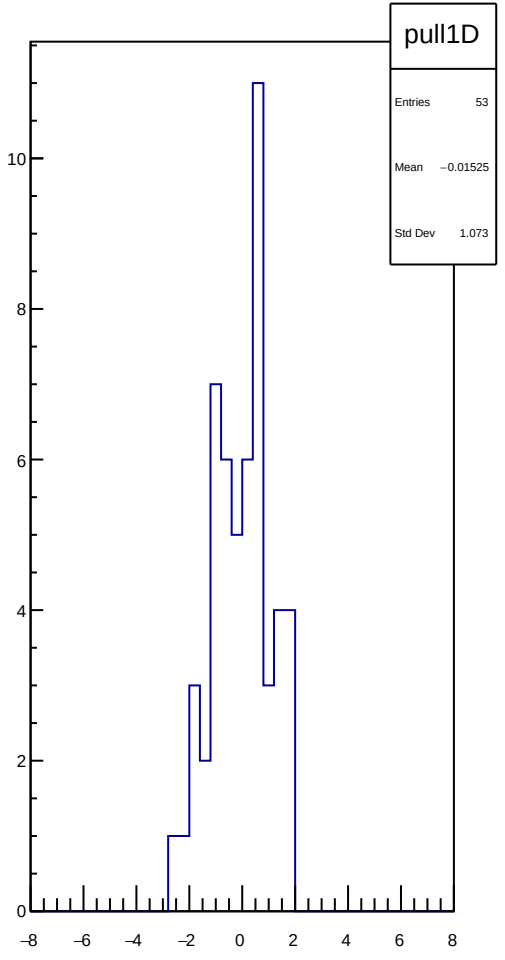

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3097 / 52
p0 0.0004531 ± 4.534e–07
0.5
0.48
0.46
0.44
0.42
0.4

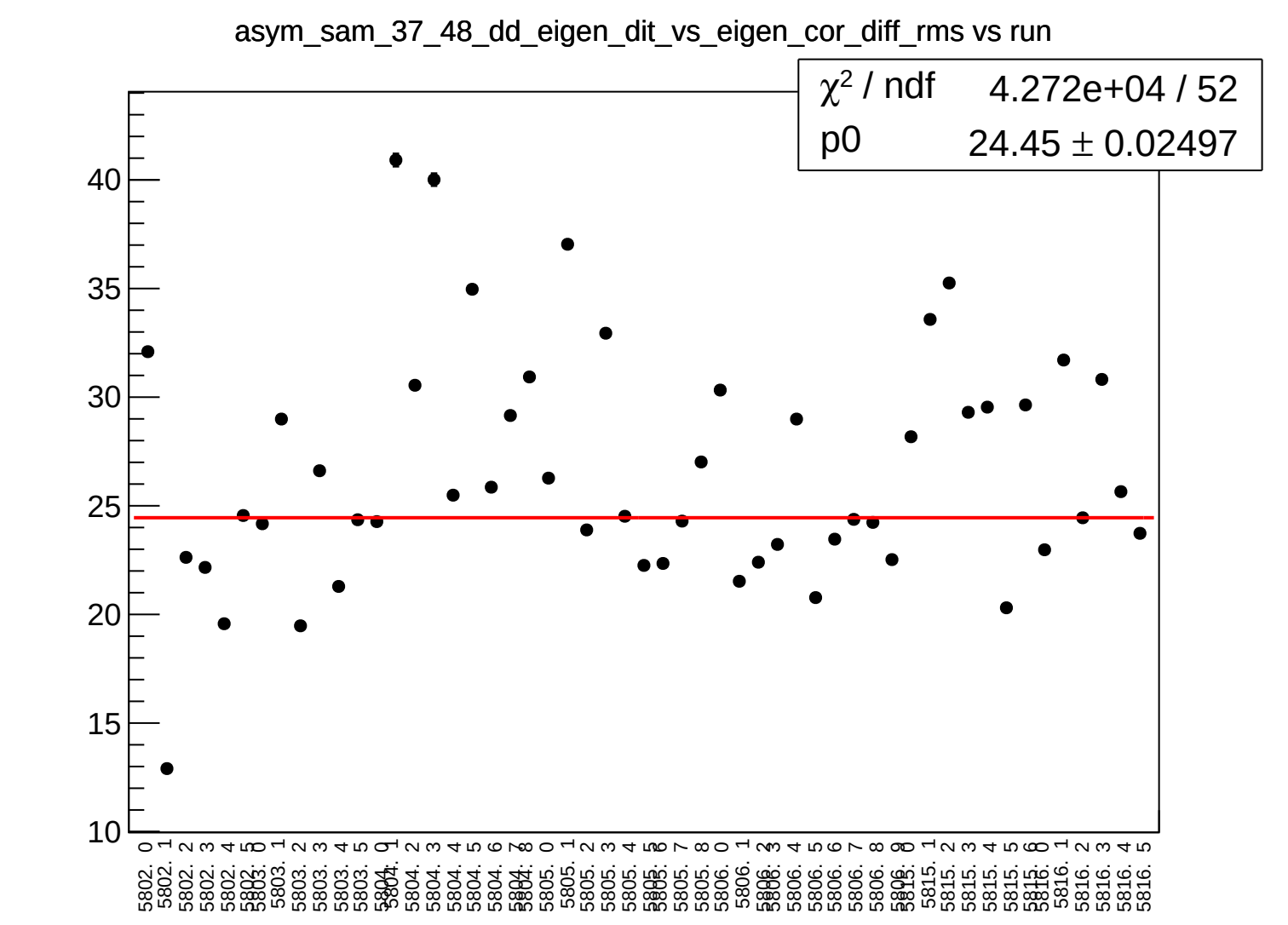

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.01 / 52
p0 0.001966 ± 0.03531
pull
Entries 53
Mean 187.5
Std Dev 0
pull1D
Entries 53
Mean −0.01525
Std Dev 1.073


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.272e+04 / 52
p0 24.45 ± 0.02497
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

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 4.272e+04 / 52
p0 24.45 ± 0.02497
40
35
30
25
20
15
10
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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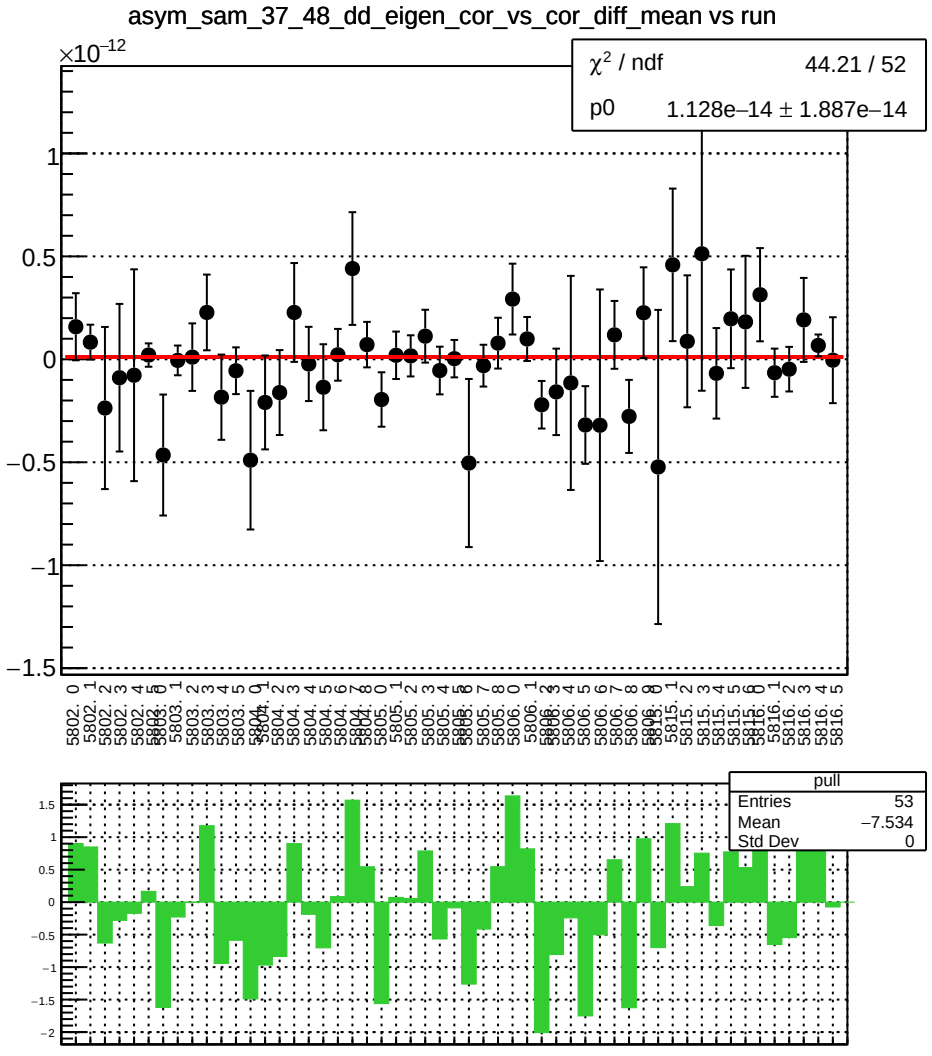
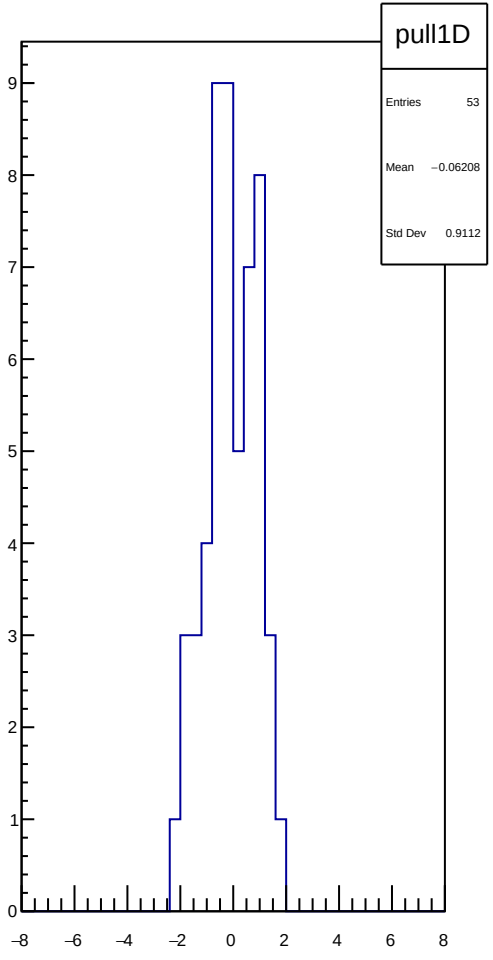
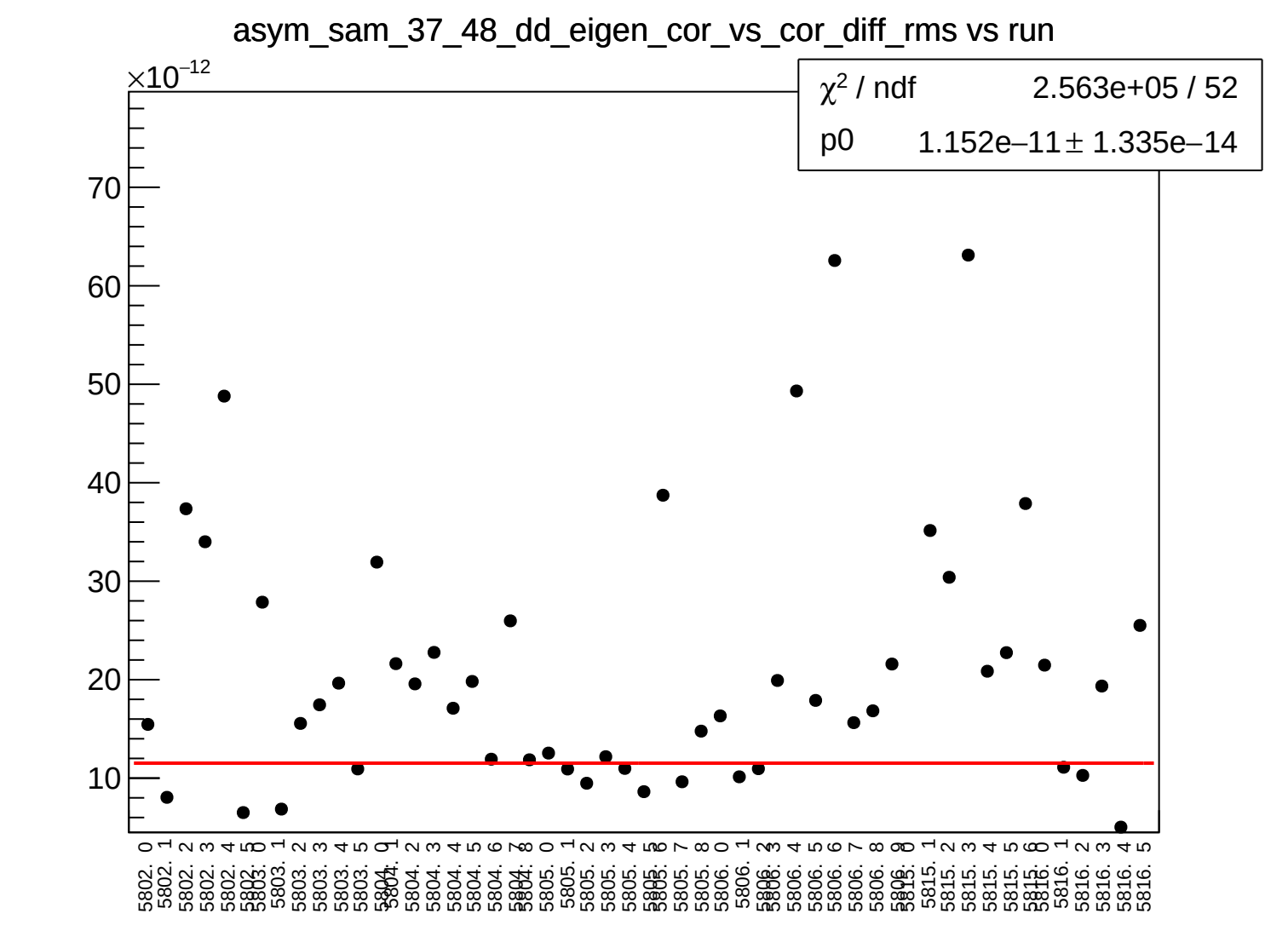
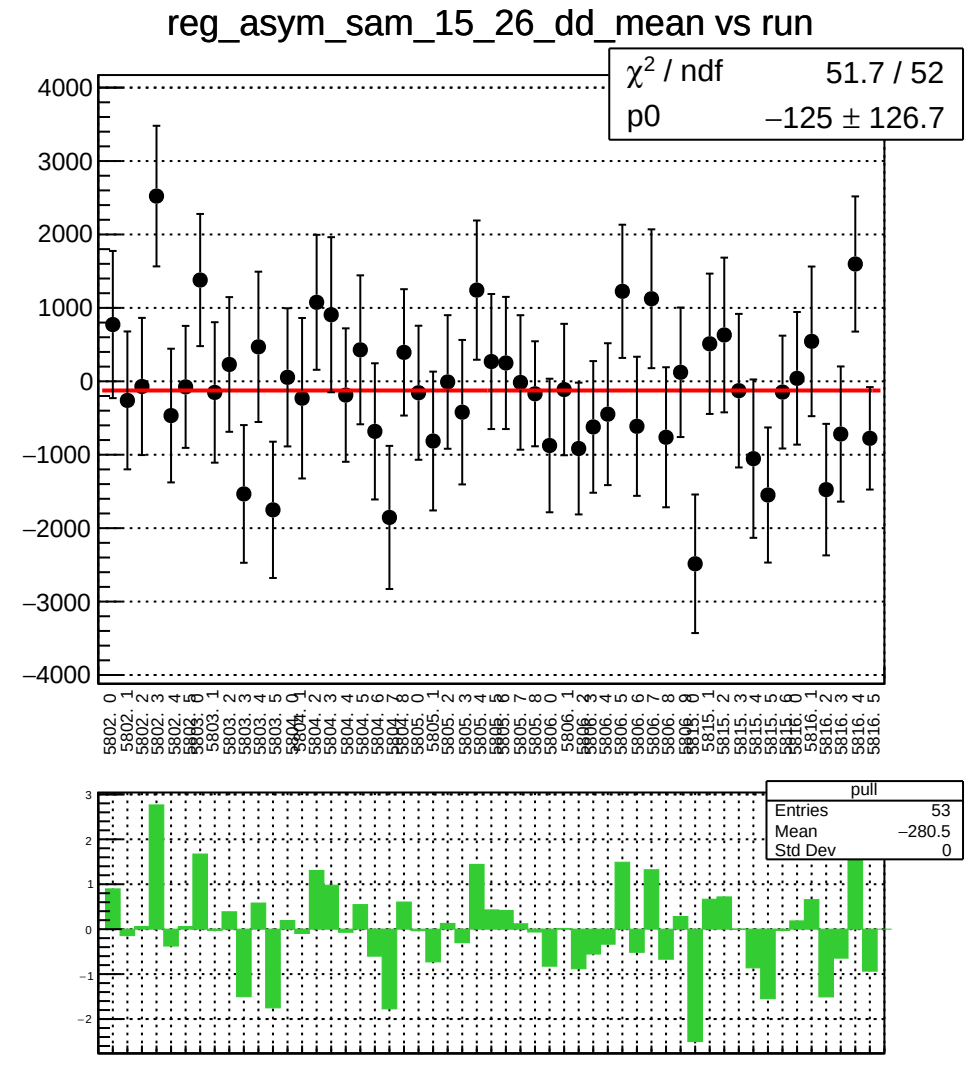
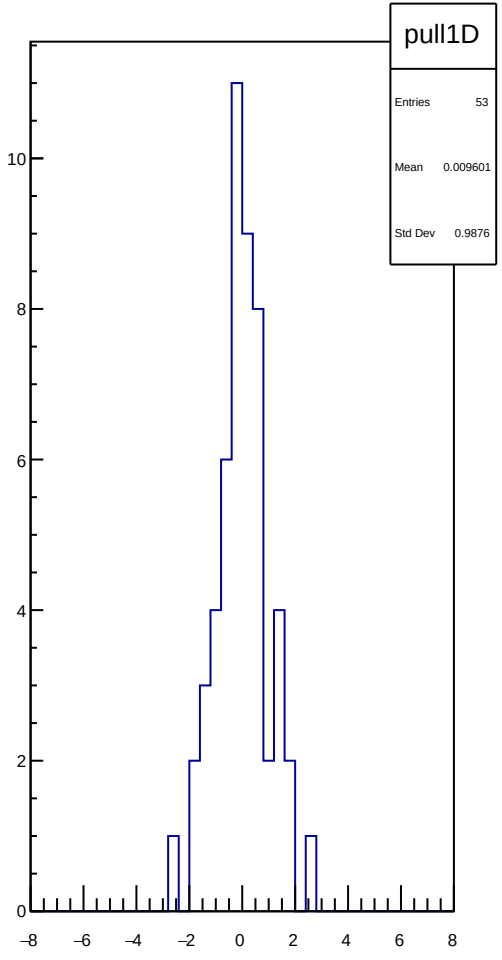
5816. 4
5816. 5

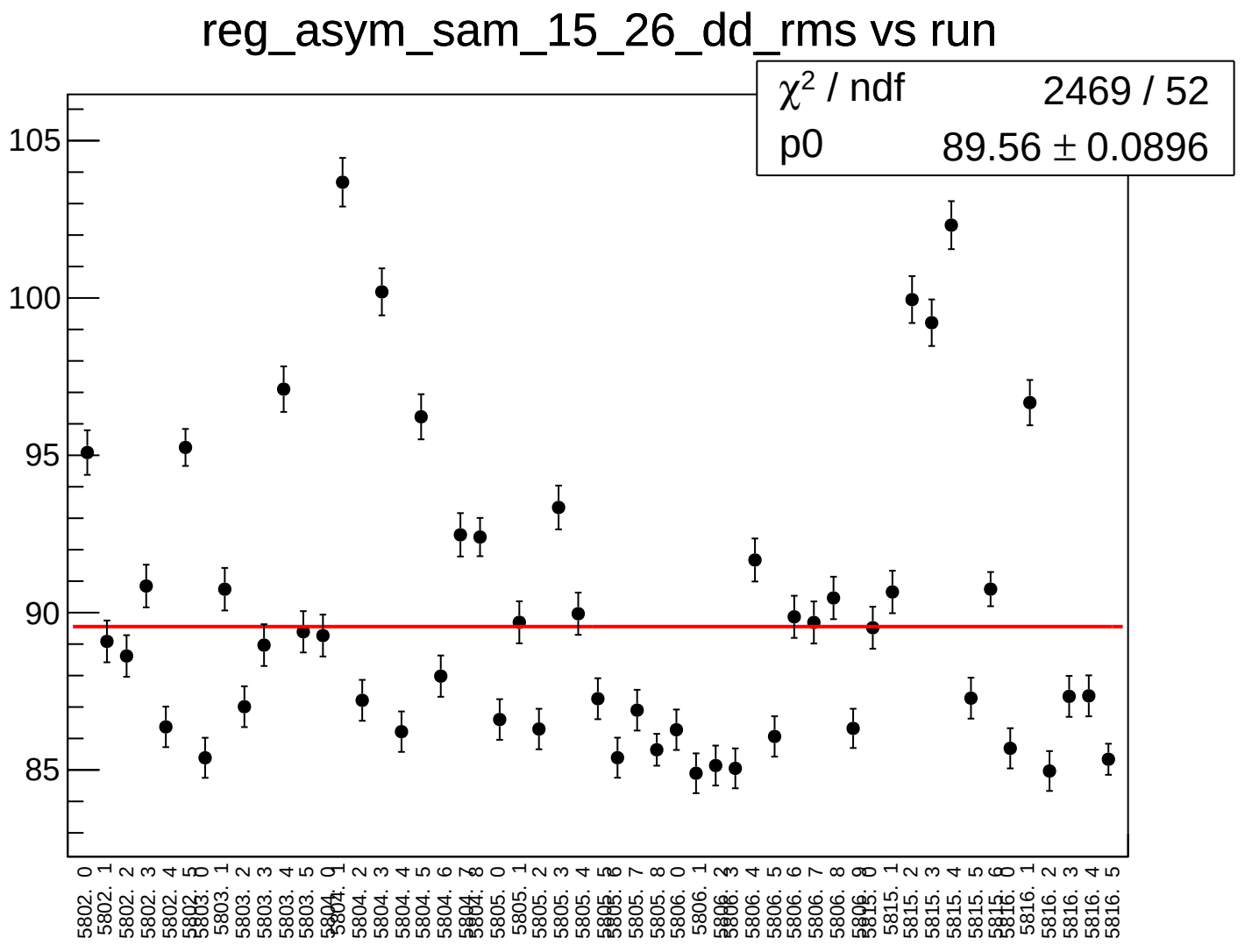

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.21 / 52
p0 1.128e−14 ± 1.887e−14
pull
Entries 53
Mean −7.534
Std Dev 0

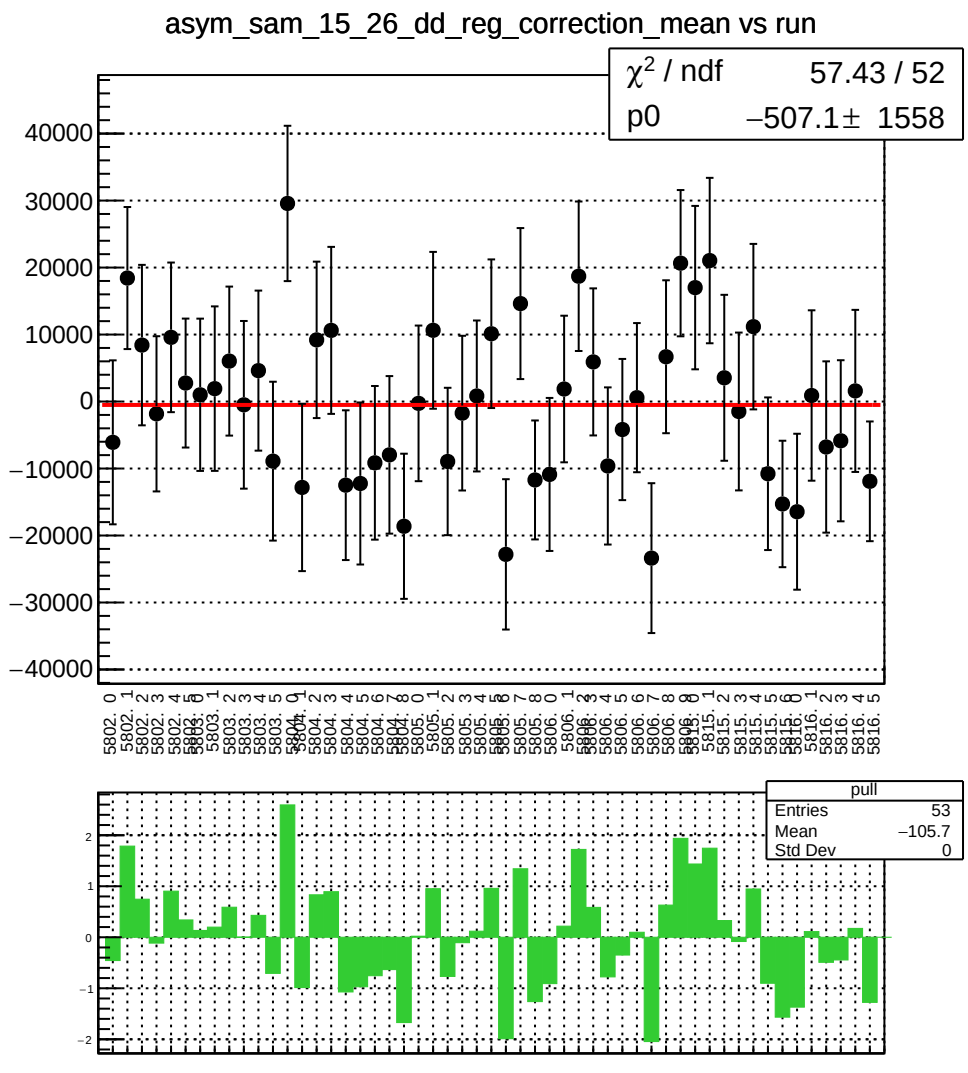

pull1D
Entries 53
Mean −0.06208
Std Dev 0.9112

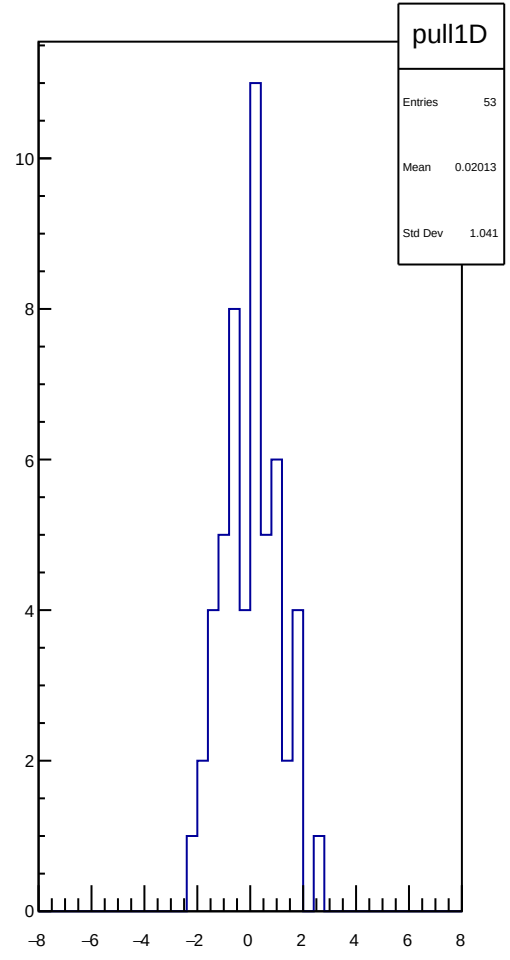

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.563e+05 / 52
p0 1.152e−11 ± 1.335e−14
70
60
50
40
30
20
10

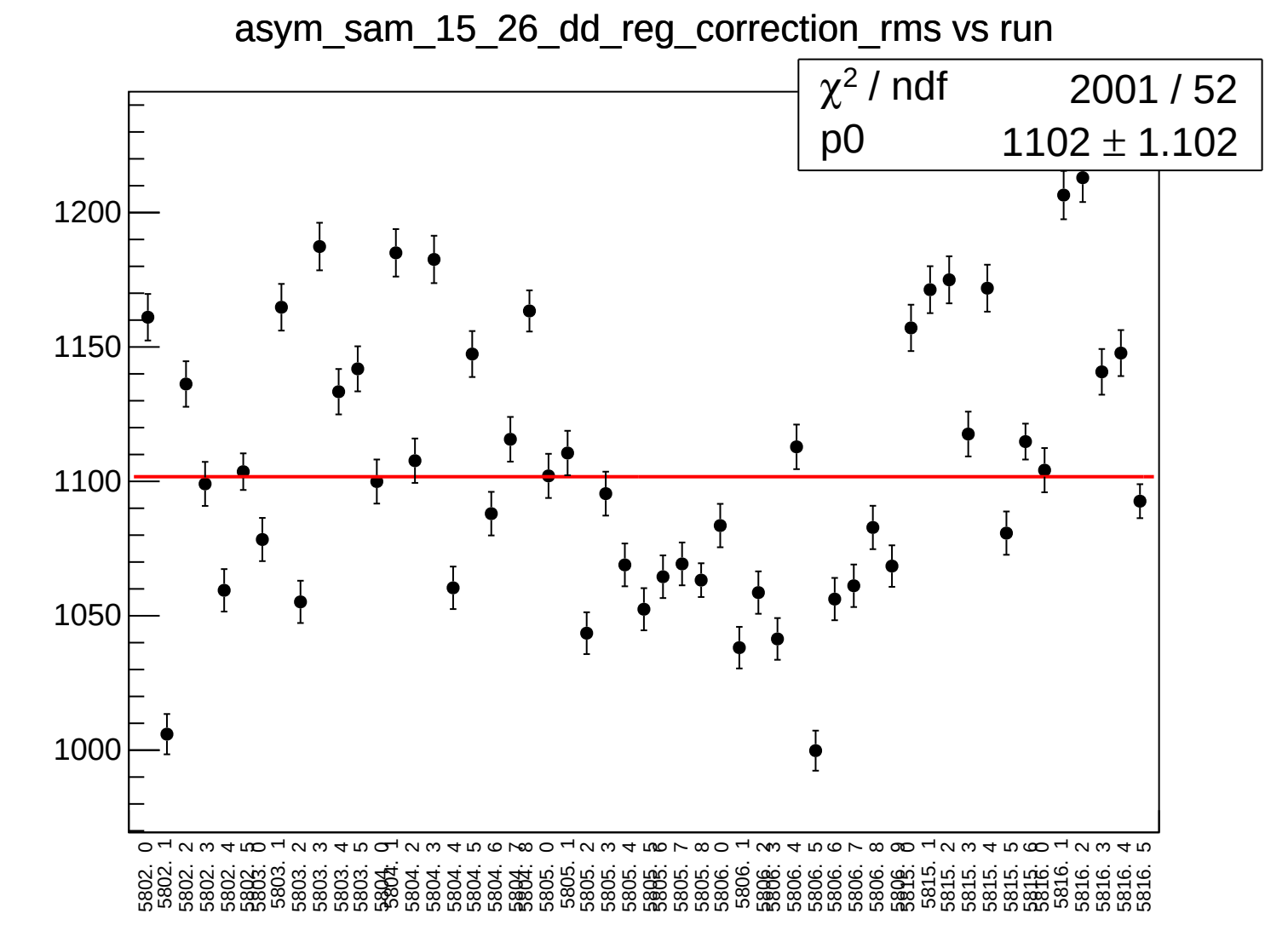

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.7 / 52
p0 −125 ± 126.7
pull
Entries 53
Mean −280.5
Std Dev 0

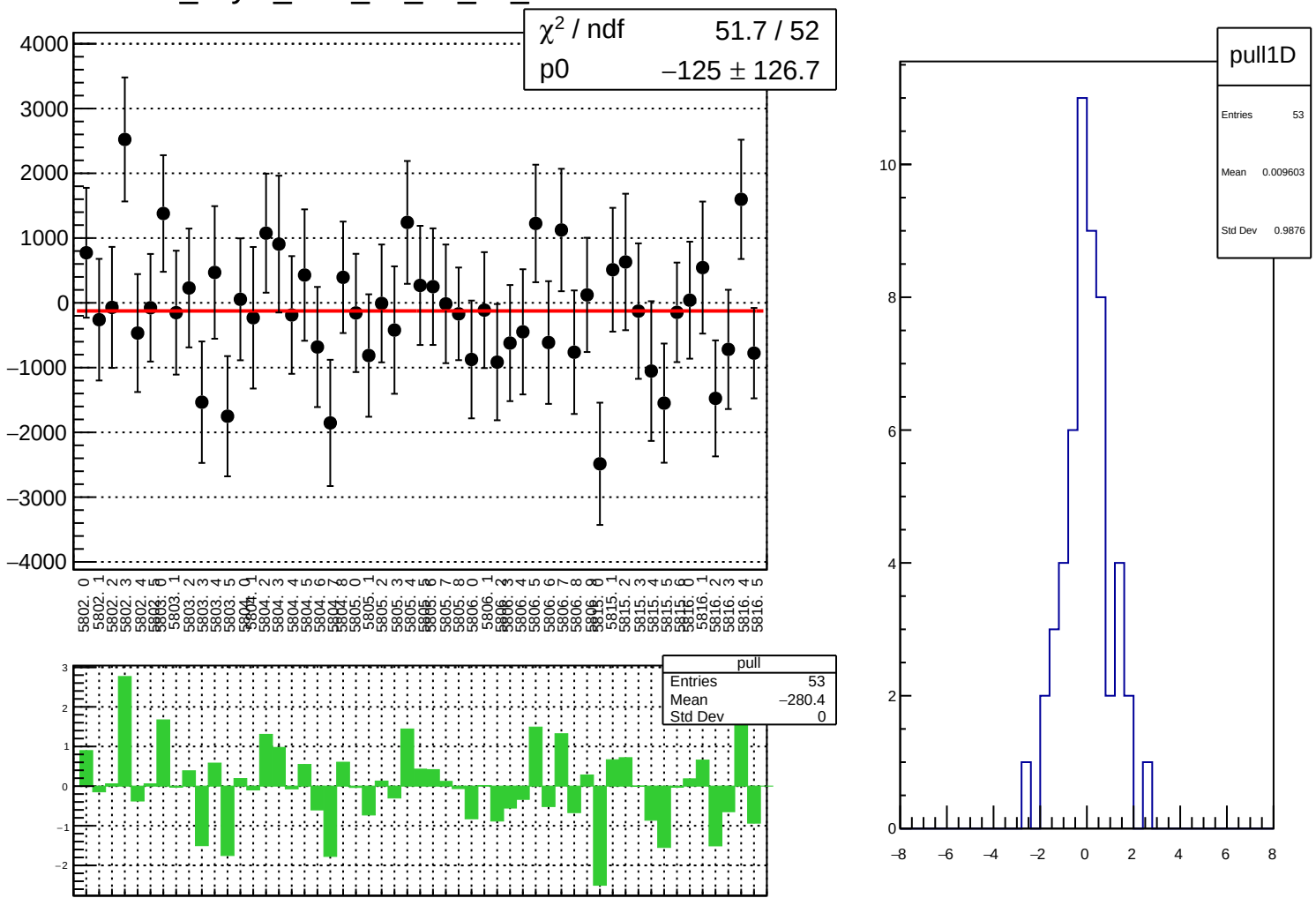

pull1D
Entries 53
Mean 0.009601
Std Dev 0.9876

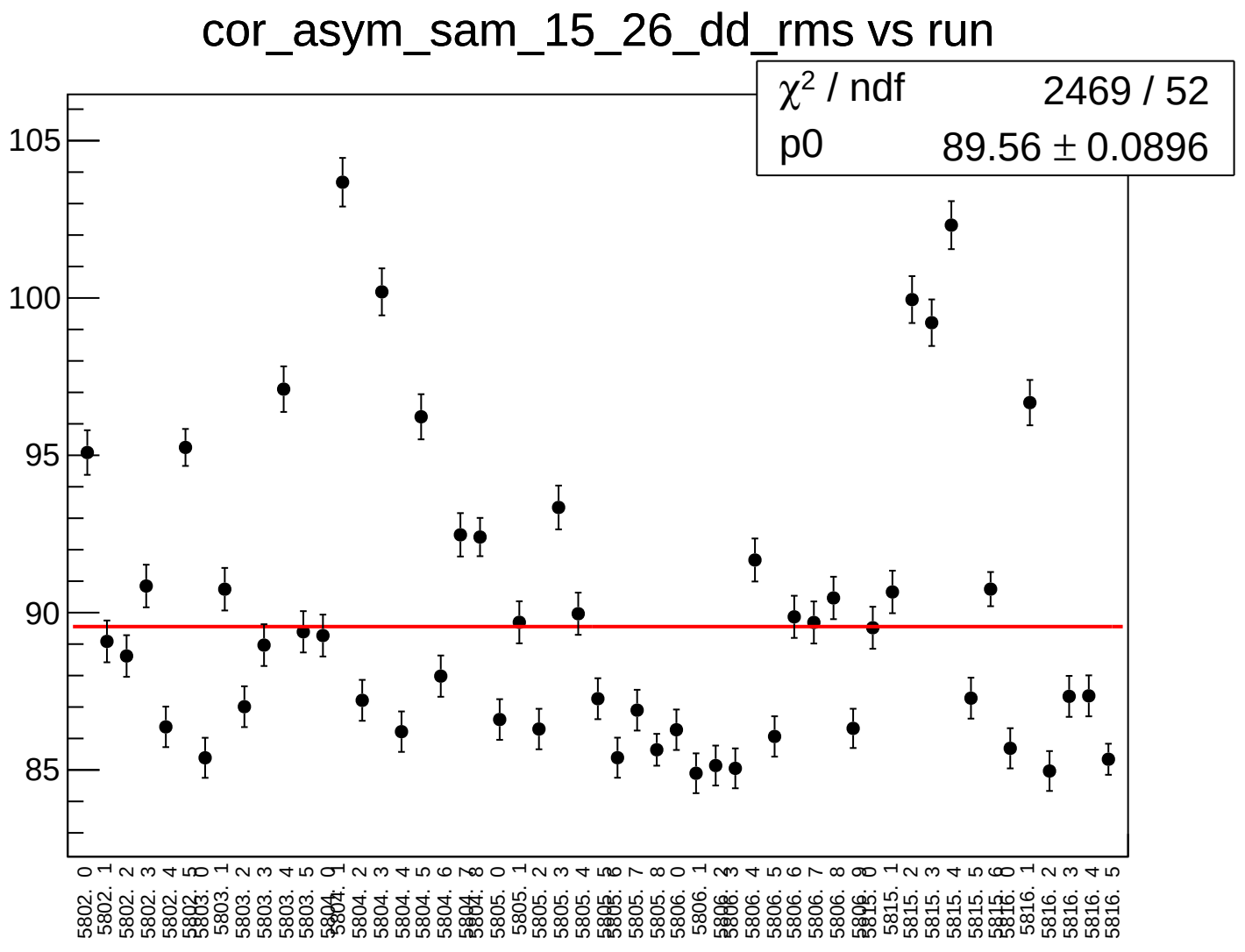

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 2469 / 52
p0 89.56 ± 0.0896
105
100
95
90
85

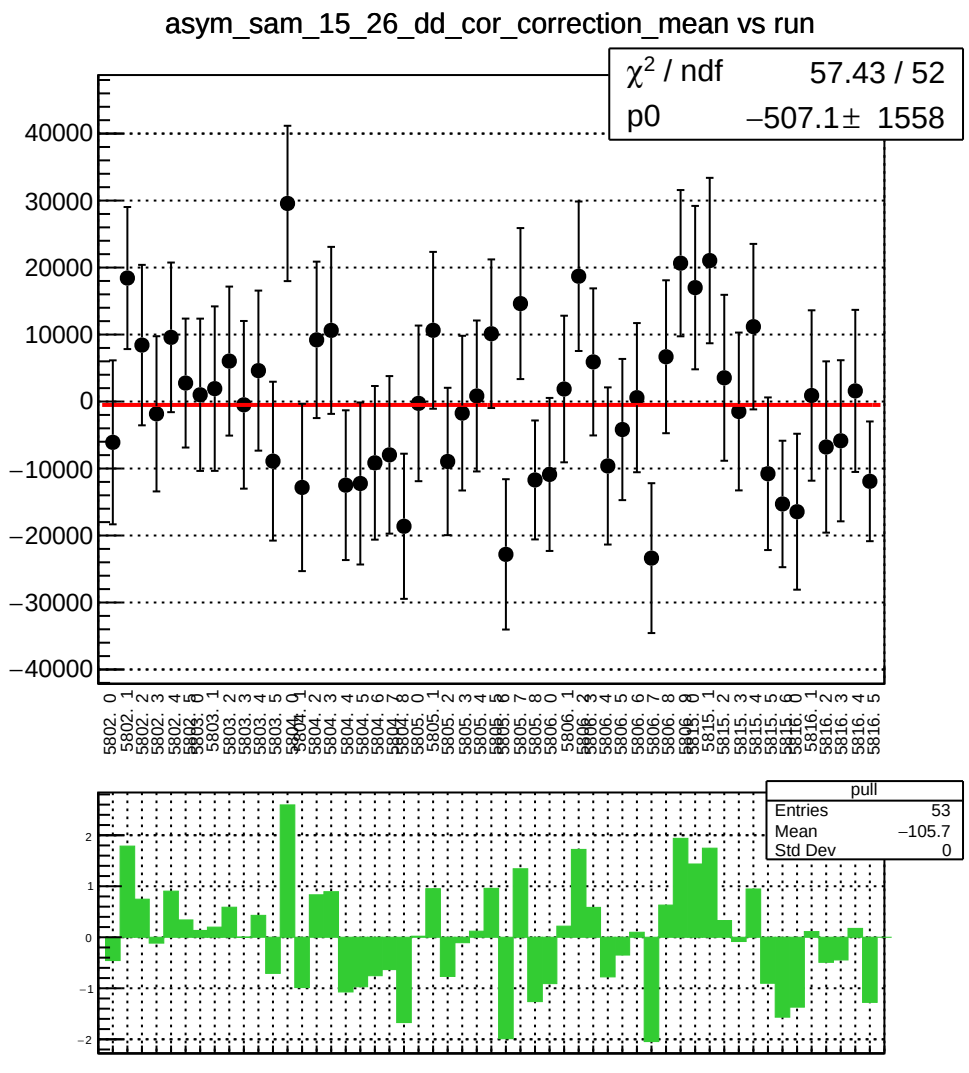

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 57.43 / 52
p0 −507.1± 1558
pull
Entries 53
Mean −105.7
Std Dev 0

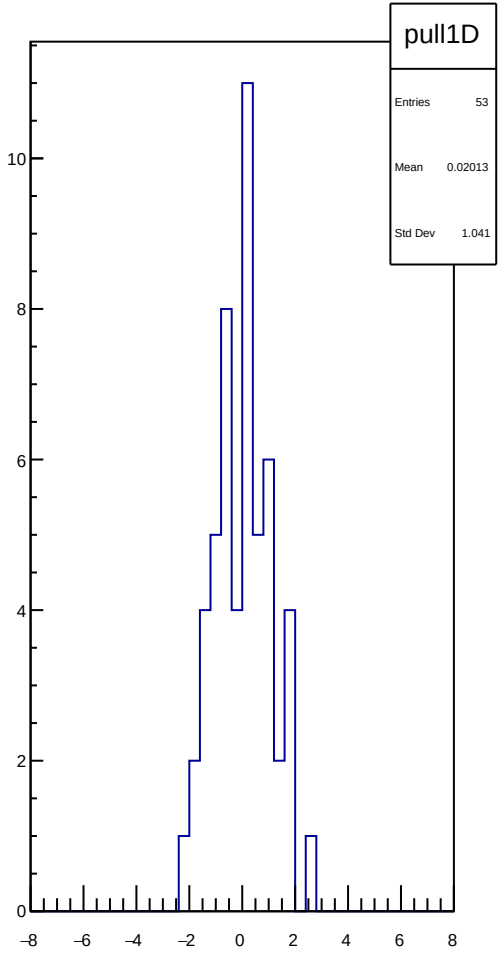

pull1D
Entries 53
Mean 0.02013
Std Dev 1.041

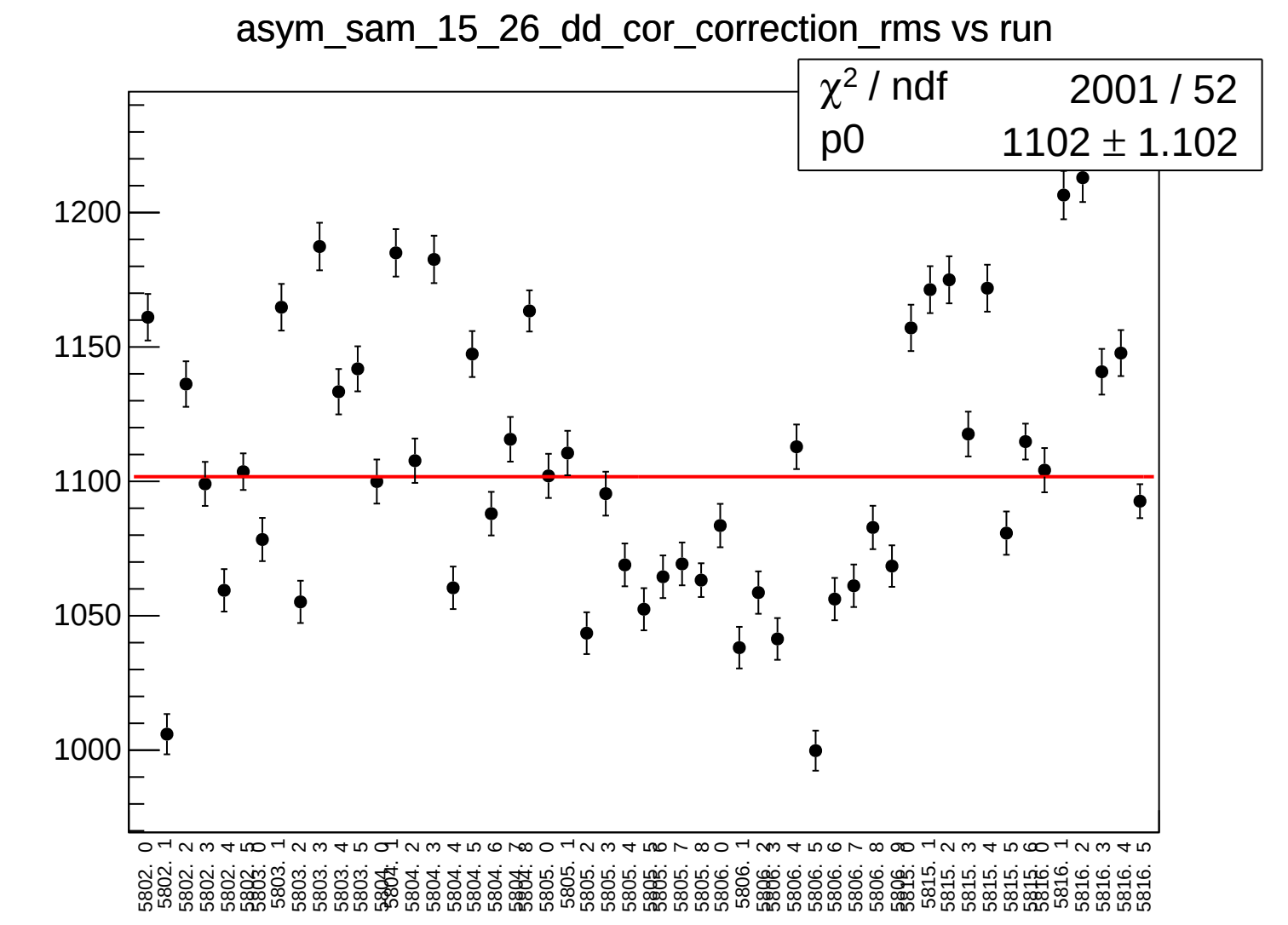

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2001 / 52
p0 1102 ± 1.102
1200
1150
1100
1050
1000
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

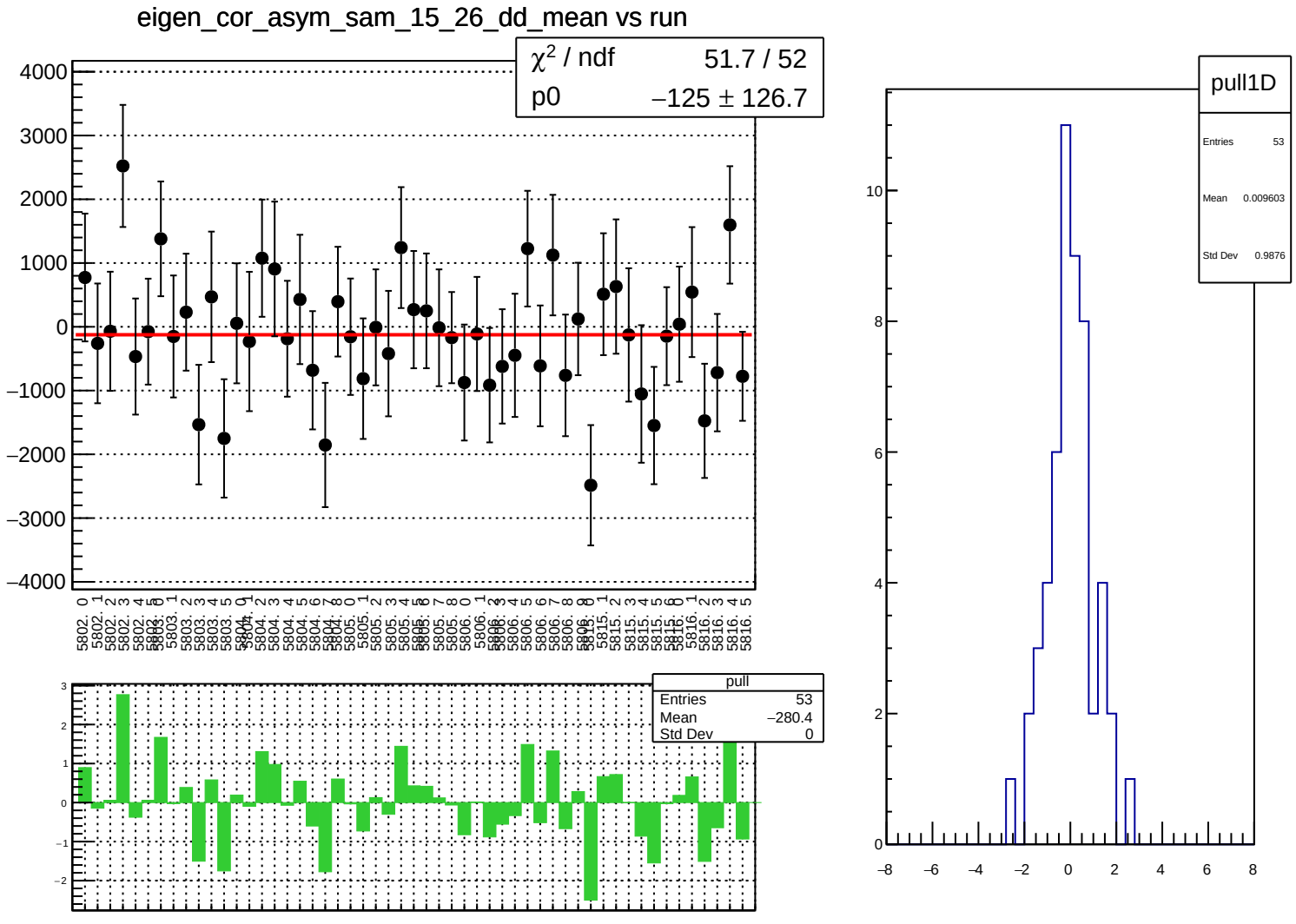

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.7 / 52
p0 −125 ± 126.7
pull
Entries 53
Mean −280.4
Std Dev 0
pull1D
Entries 53
Mean 0.009603
Std Dev 0.9876

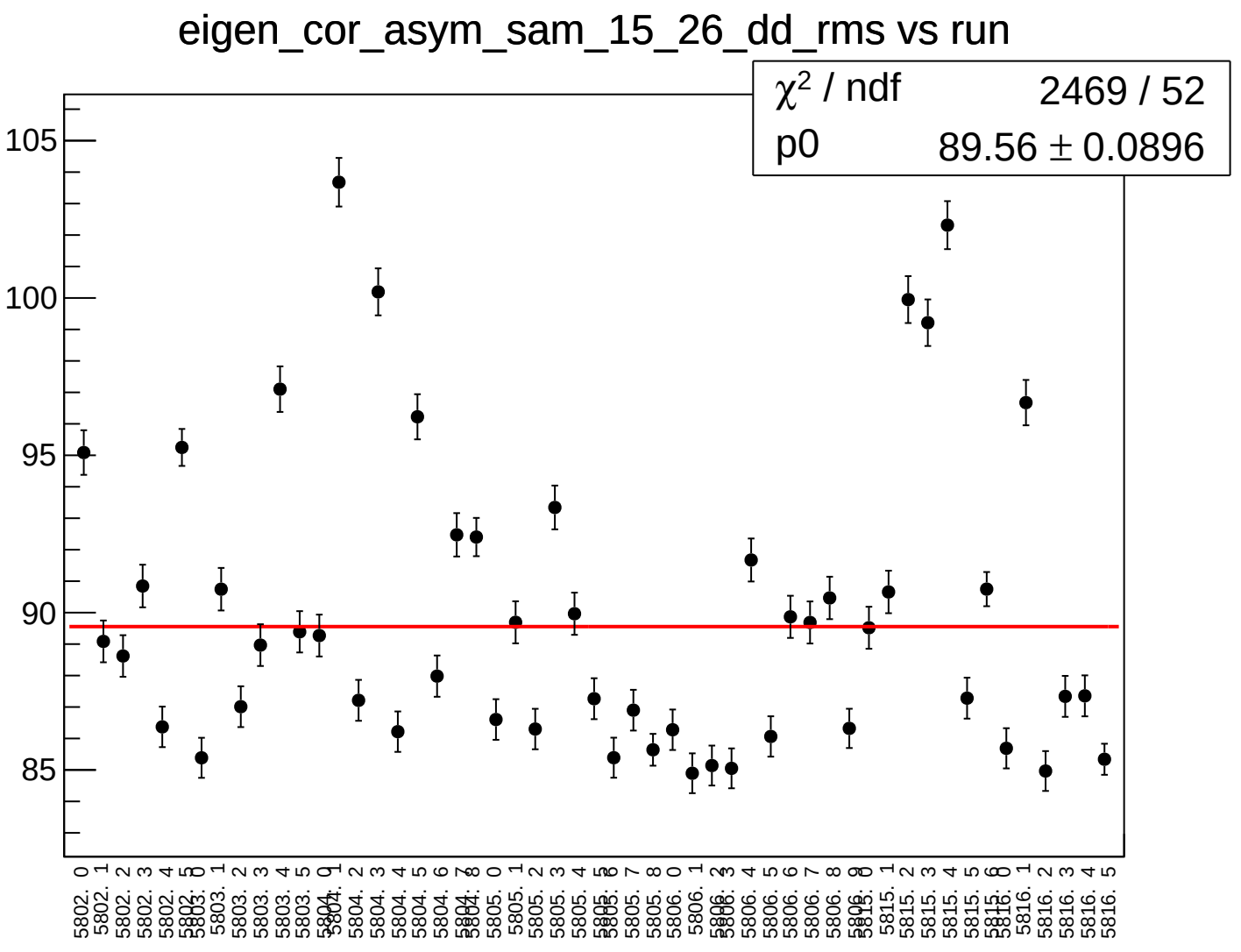

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 2469 / 52
p0 89.56 ± 0.0896
105
100
95
90
85

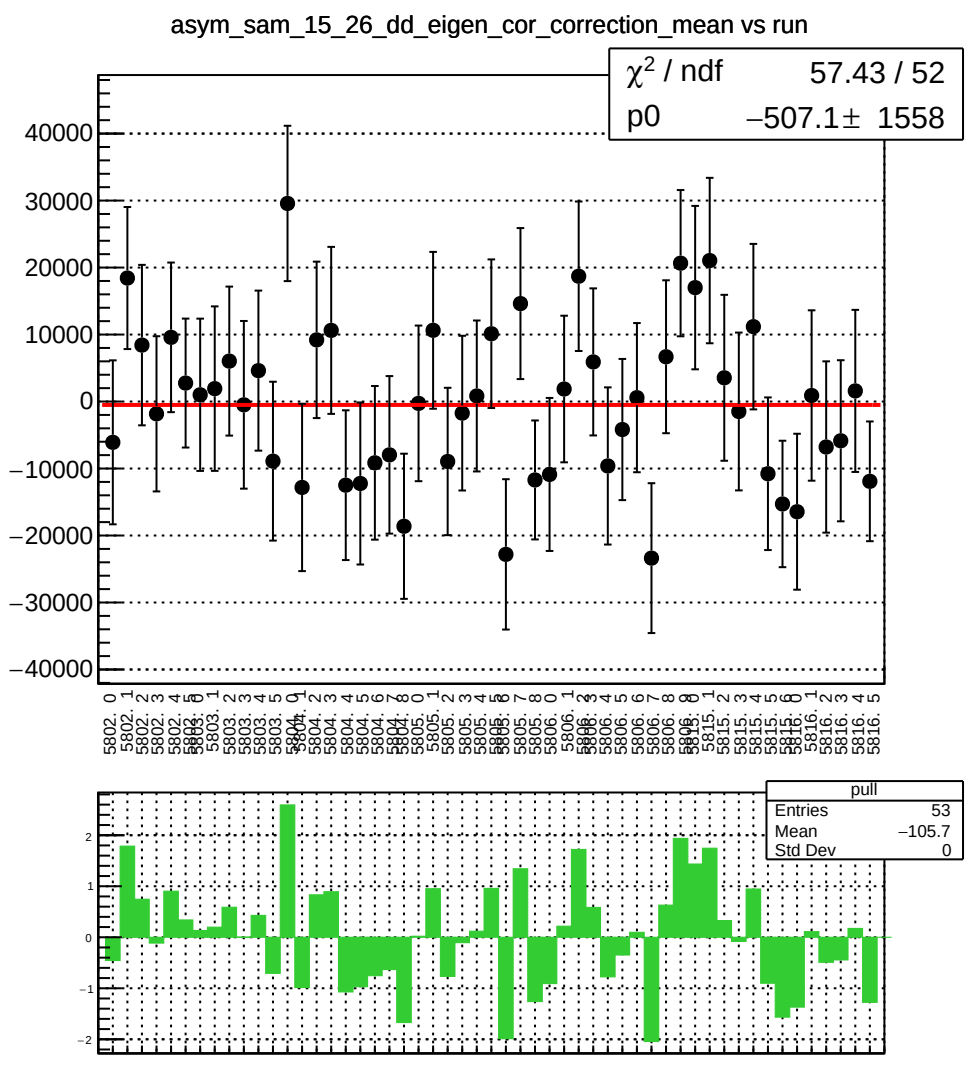

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 57.43 / 52
p0 −507.1± 1558
pull
Entries 53
Mean −105.7
Std Dev 0

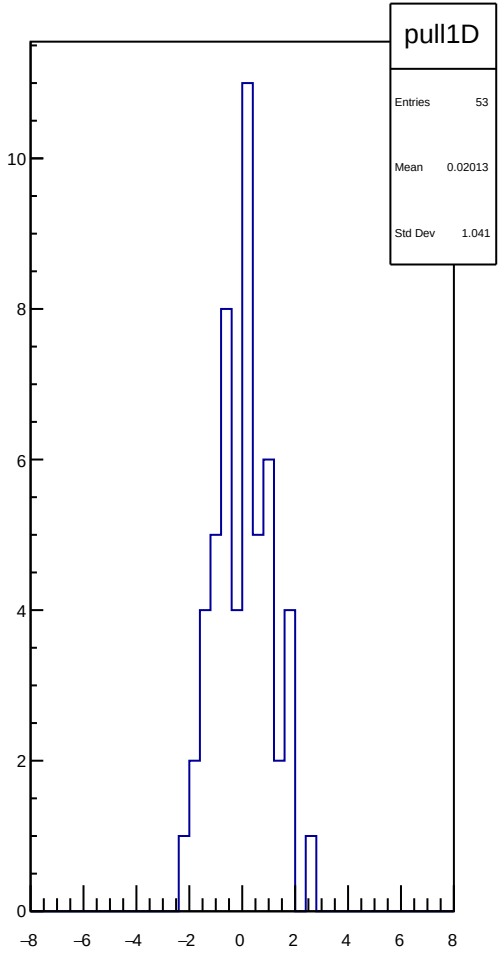

pull1D
Entries 53
Mean 0.02013
Std Dev 1.041

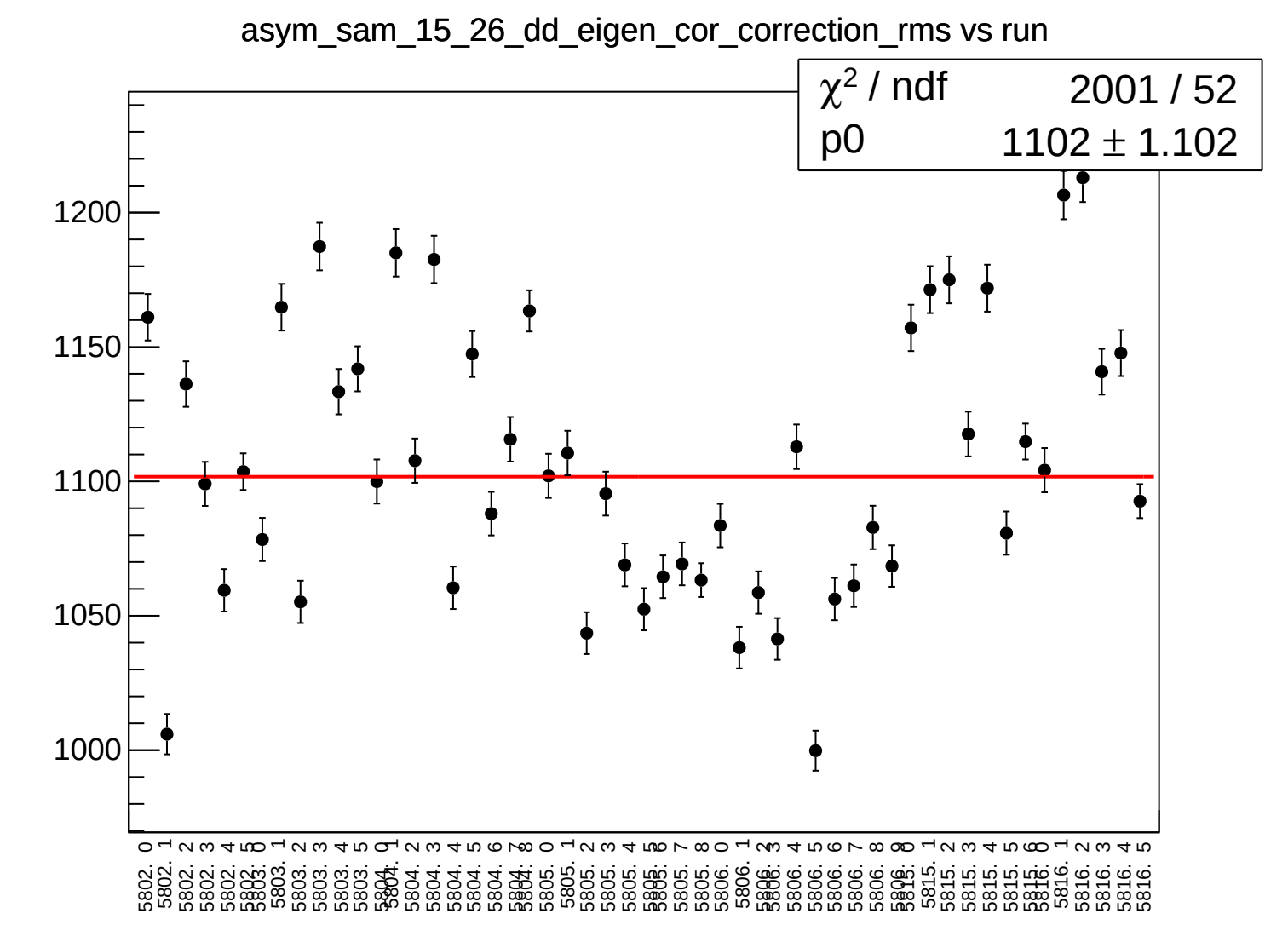

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2001 / 52
p0 1102 ± 1.102
1200
1150
1100
1050
1000

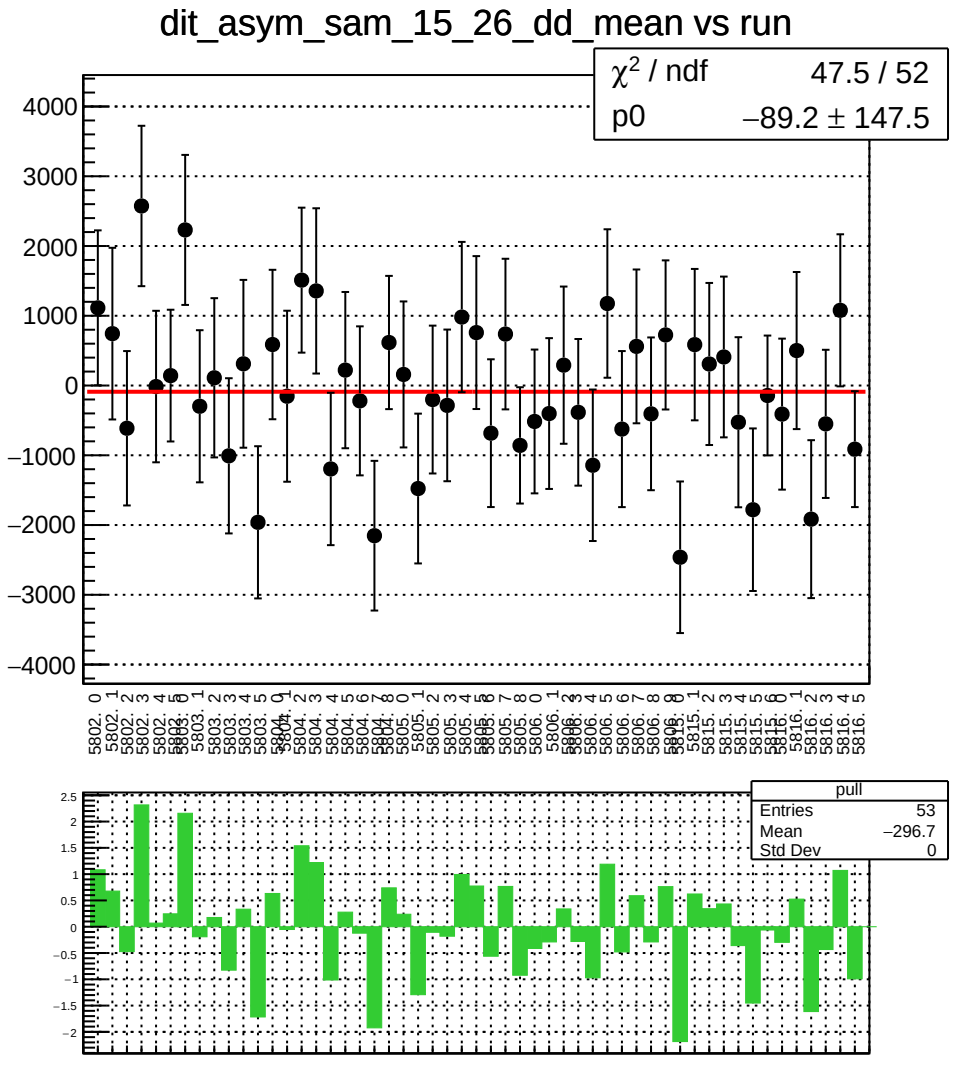

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 51.7 / 52
p0 −125 ± 126.7
pull
Entries 53
Mean −280.4
Std Dev 0
pull1D
Entries 53
Mean 0.009603
Std Dev 0.9876

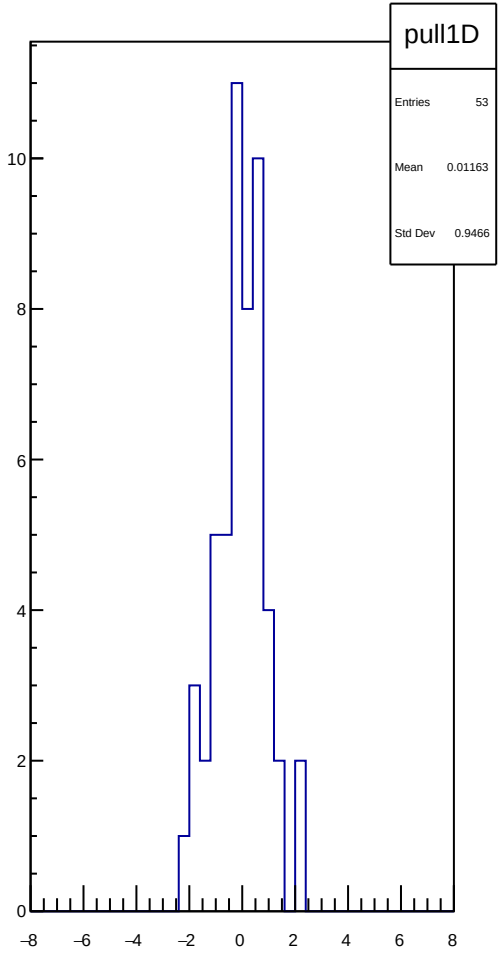

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 2469 / 52
p0 89.56 ± 0.0896
105
100
95
90
85

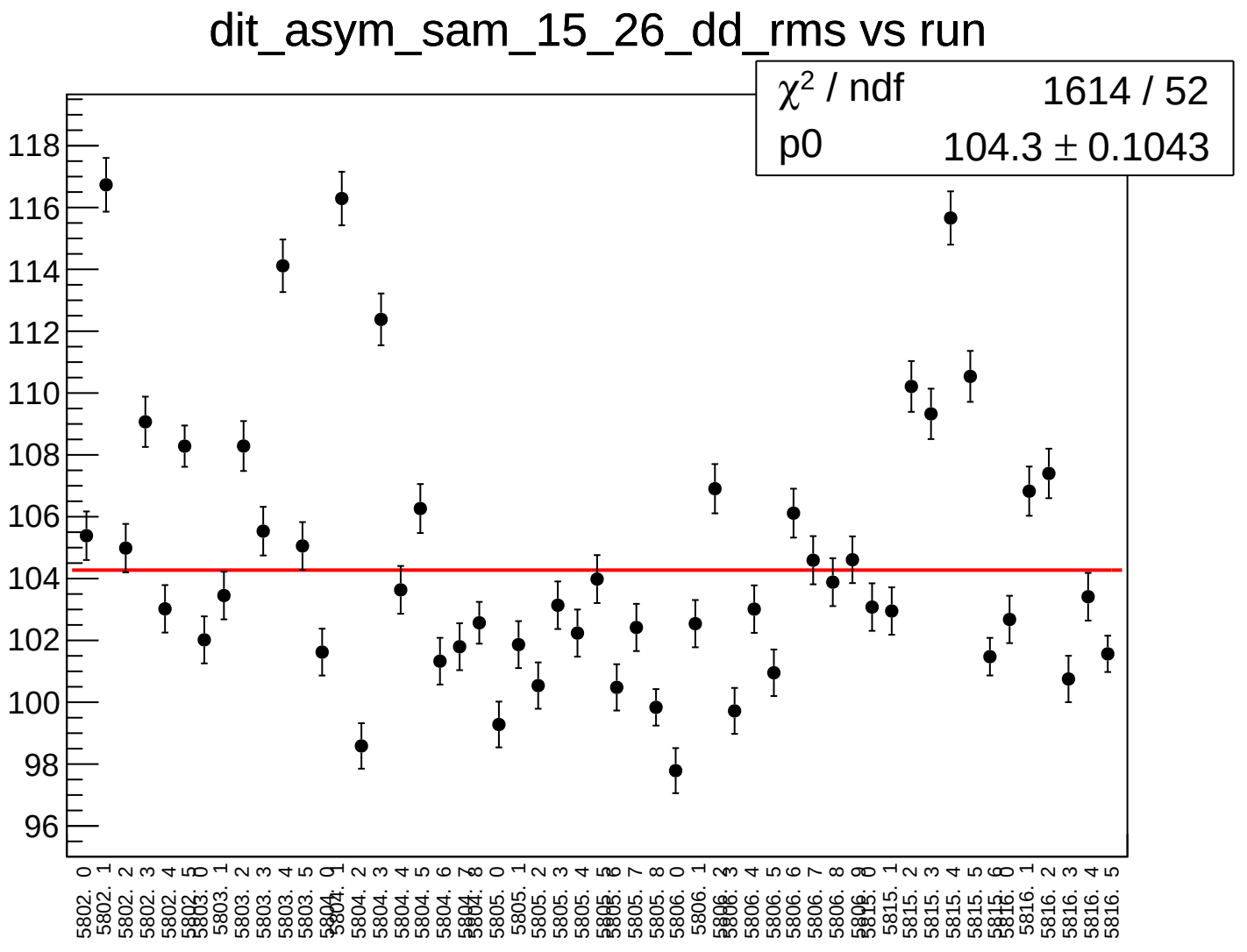

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.43 / 52
p0 −507.1± 1558
pull
Entries 53
Mean −105.7
Std Dev 0

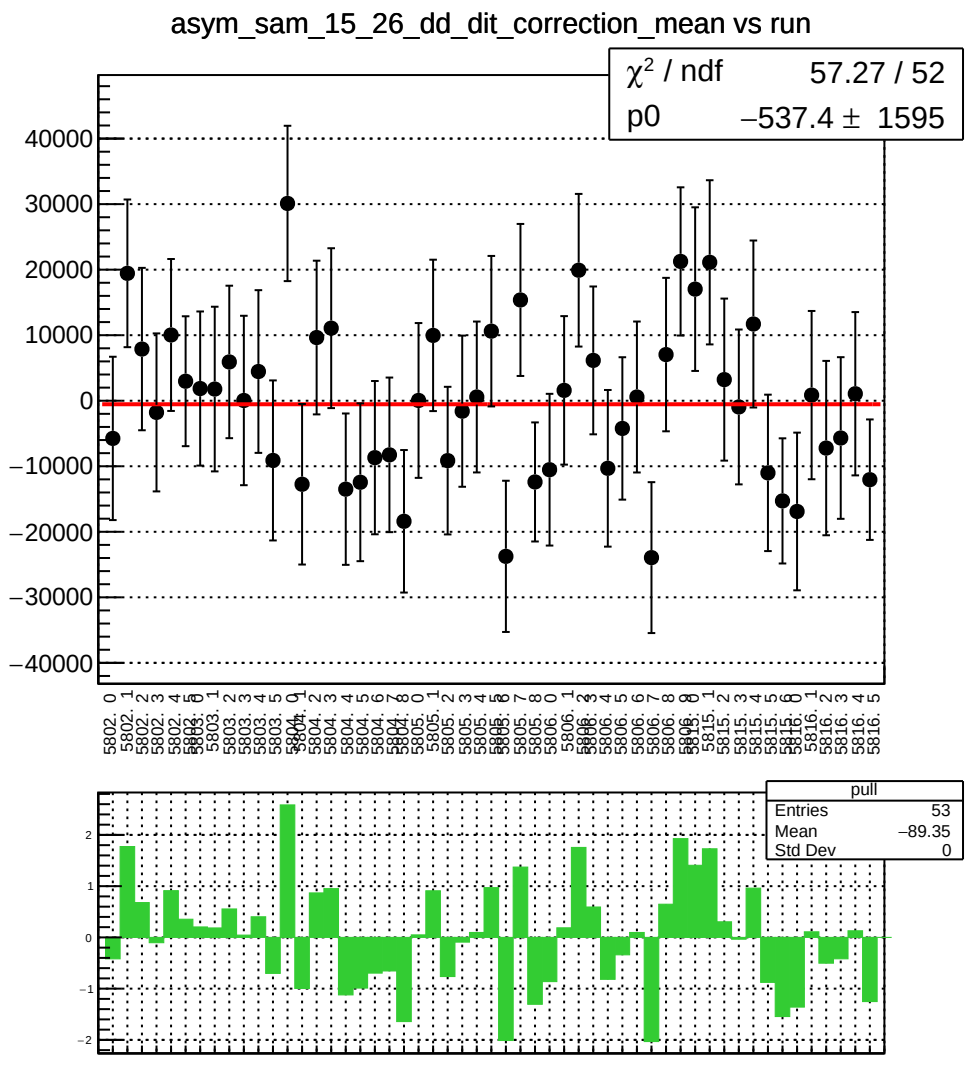

pull1D
Entries 53
Mean 0.02013
Std Dev 1.041

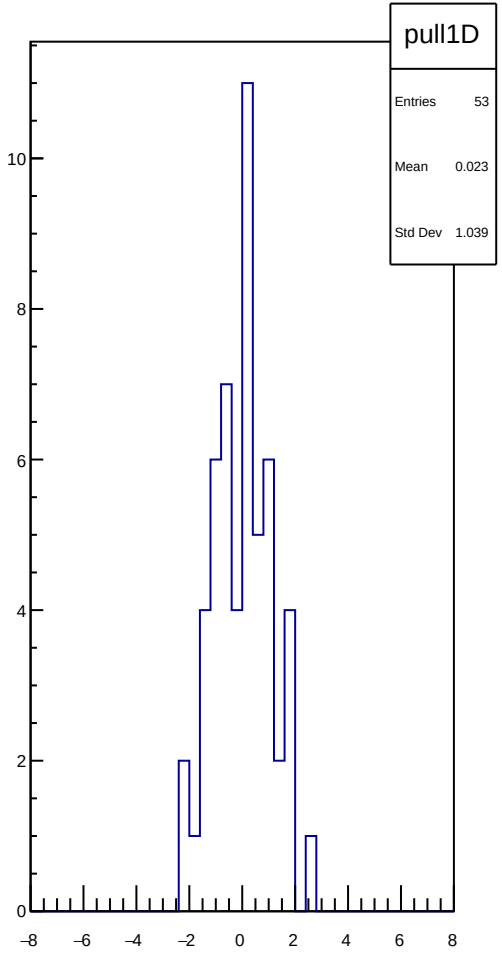

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2001 / 52
p0 1102 ± 1.102
1200
1150
1100
1050
1000

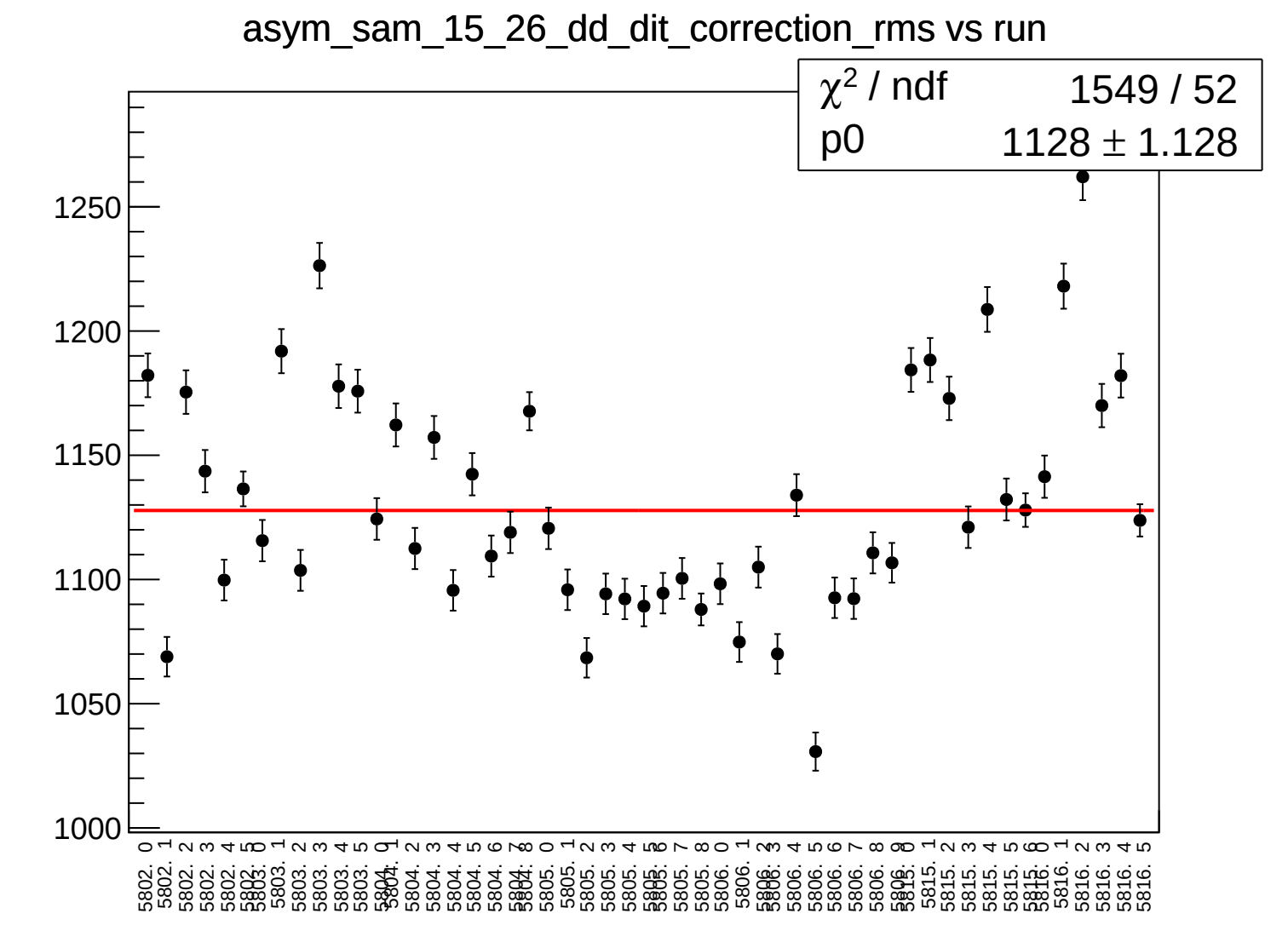

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.5 / 52
p0 −89.2 ± 147.5
pull
Entries 53
Mean −296.7
Std Dev 0

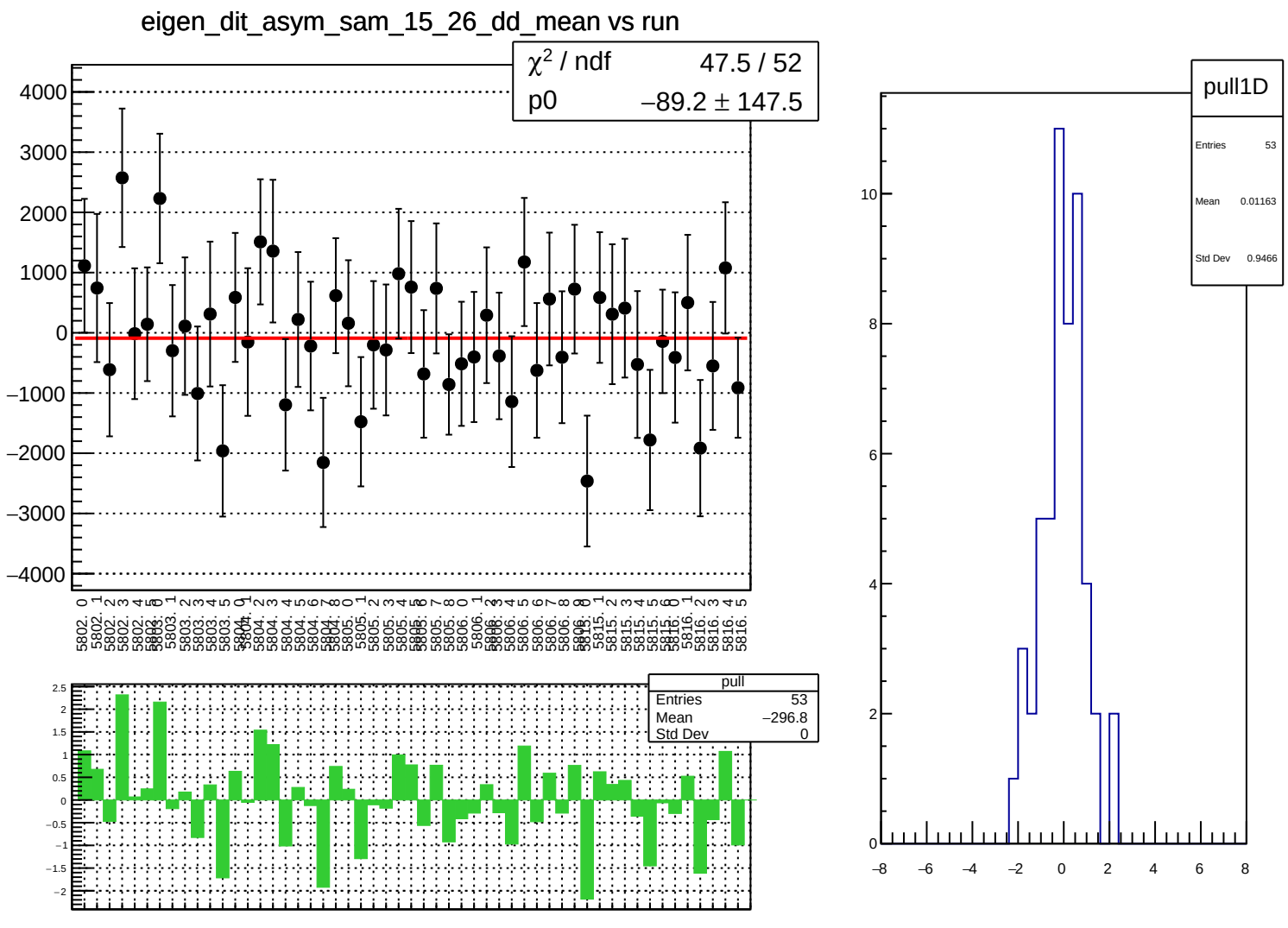

pull1D
Entries 53
Mean 0.01163
Std Dev 0.9466

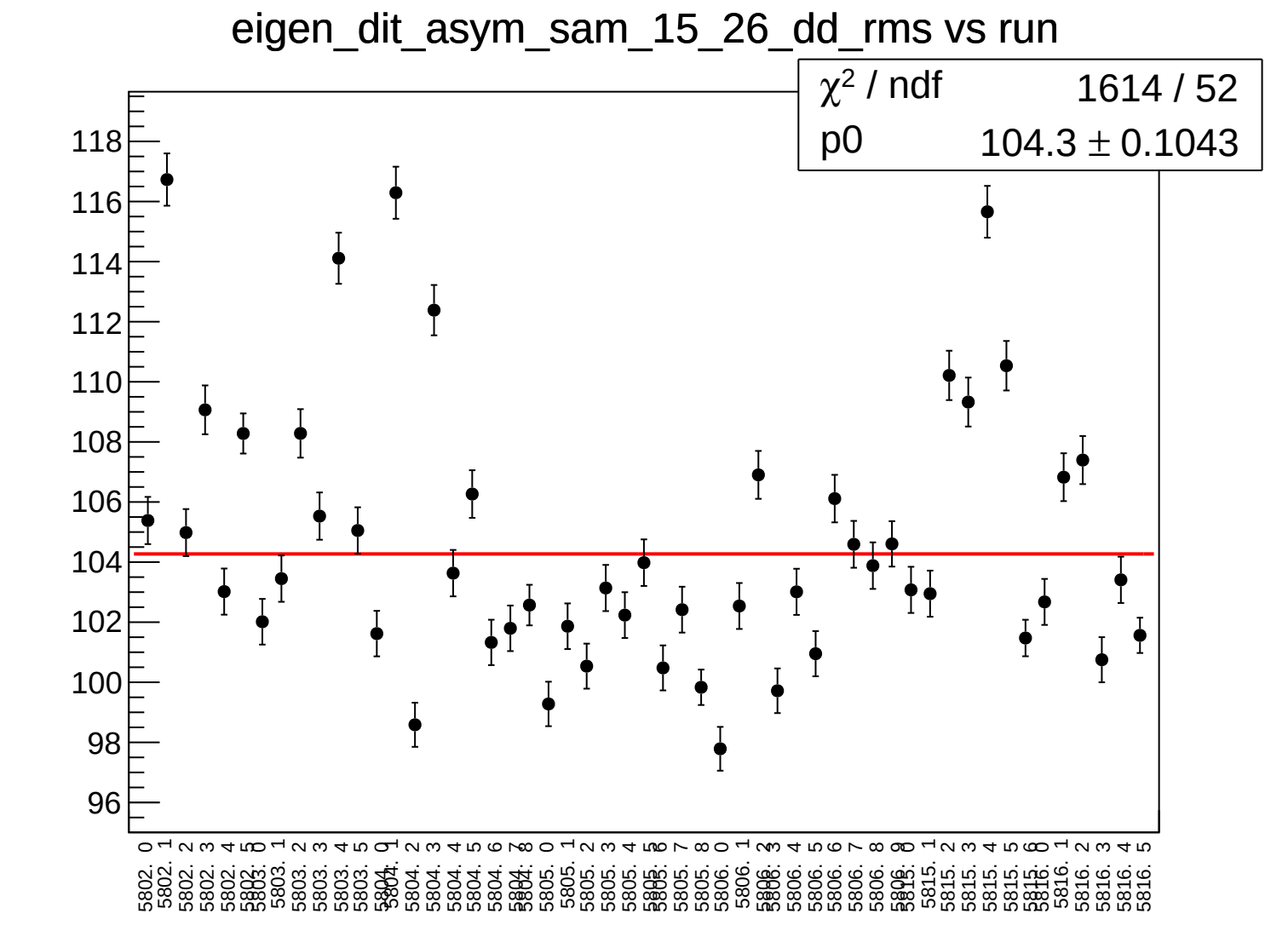

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1614 / 52
p0 104.3 ± 0.1043
118
116
114
112
110
108
106
104
102
100
98
96

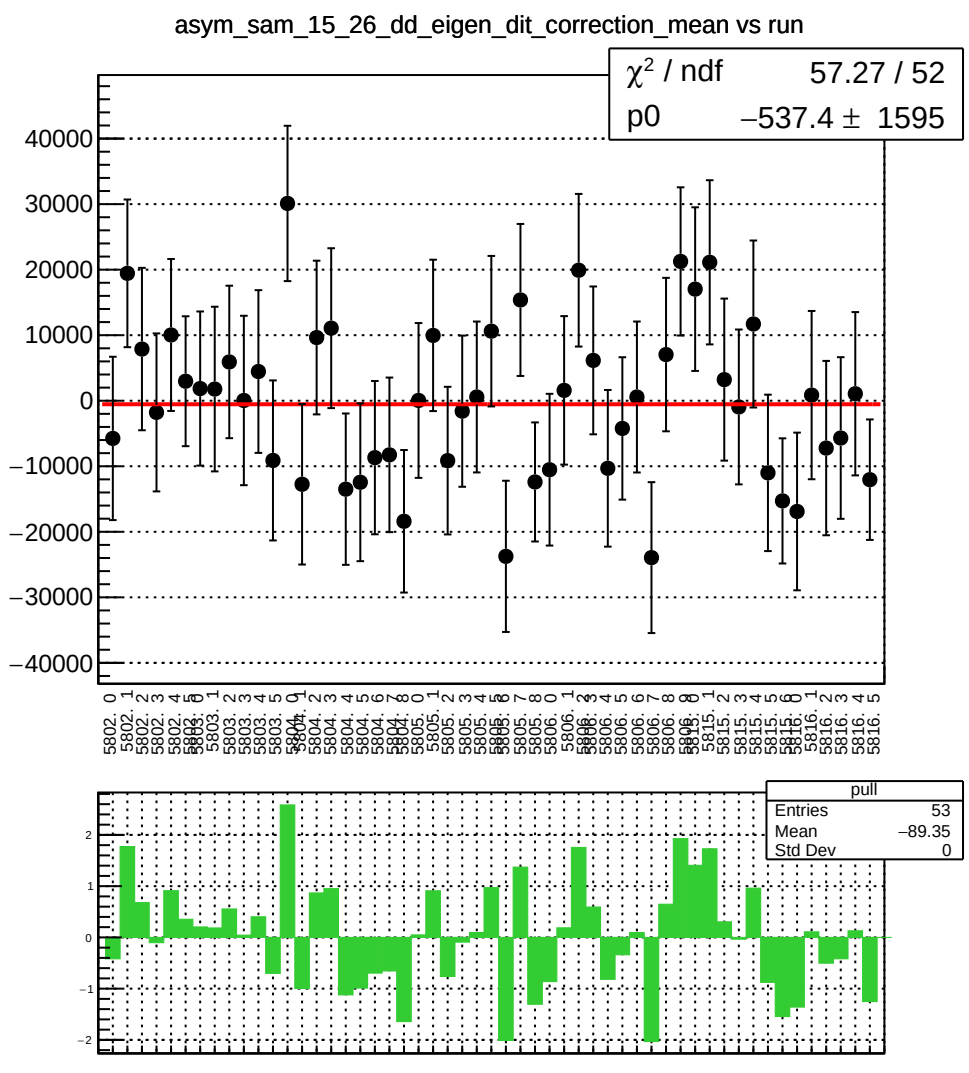

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 57.27 / 52
p0 −537.4 ± 1595
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −89.35
Std Dev 0
2
1
0
−1
−2

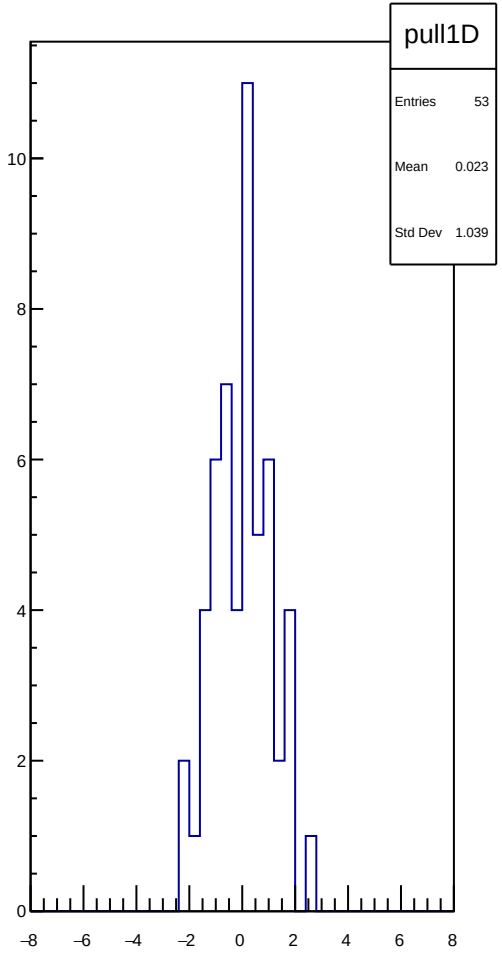

pull1D
Entries 53
Mean 0.023
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

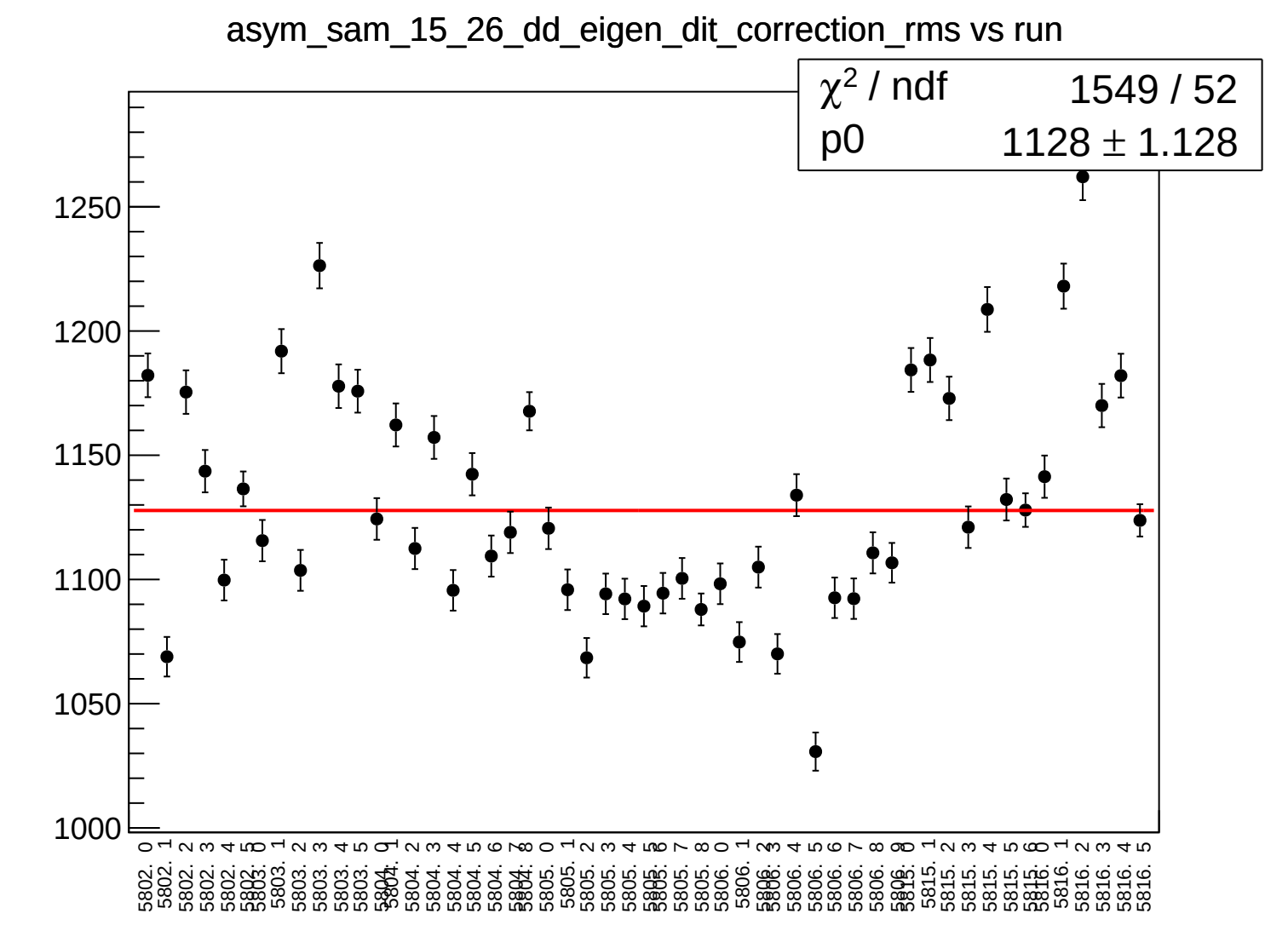

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 1549 / 52
p0 1128 ± 1.128
1250
1200
1150
1100
1050
1000

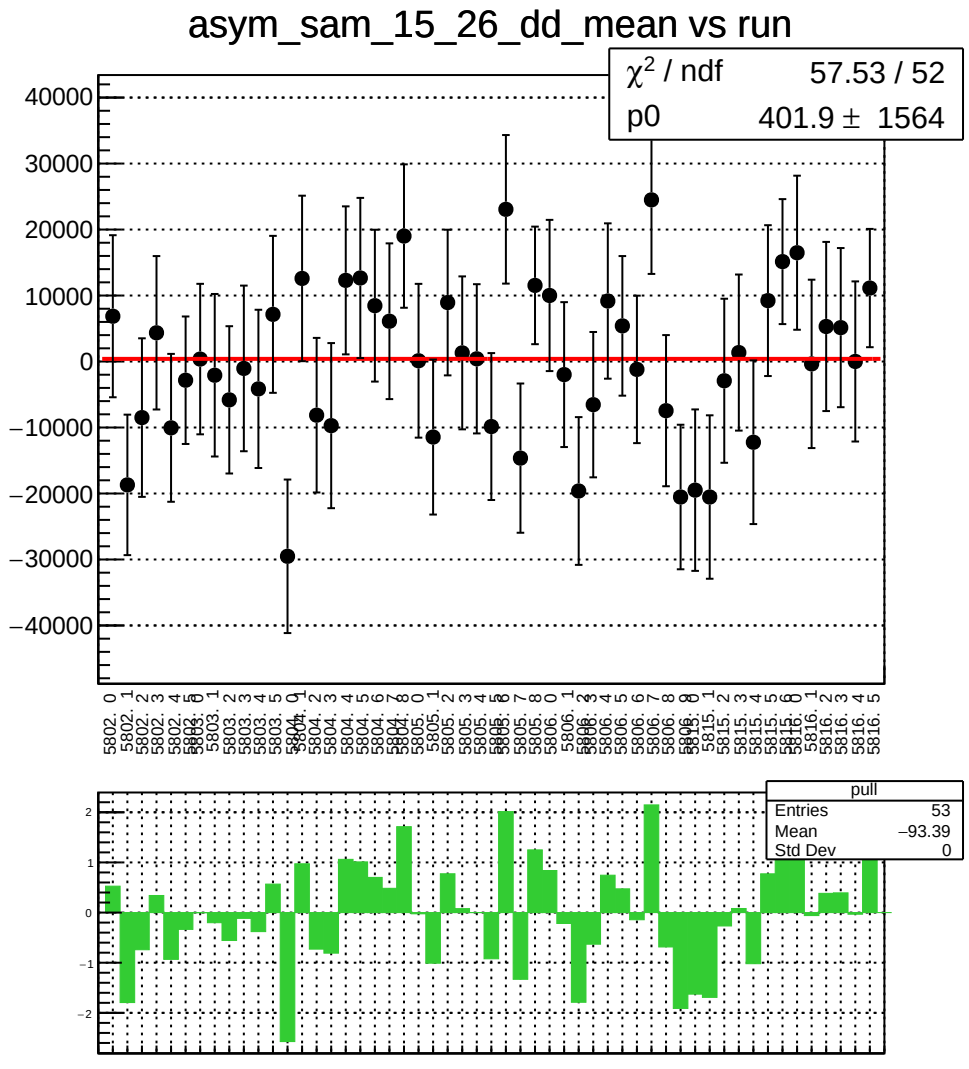

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 47.5 / 52
p0 −89.2 ± 147.5
pull
Entries 53
Mean −296.8
Std Dev 0
pull1D
Entries 53
Mean 0.01163
Std Dev 0.9466

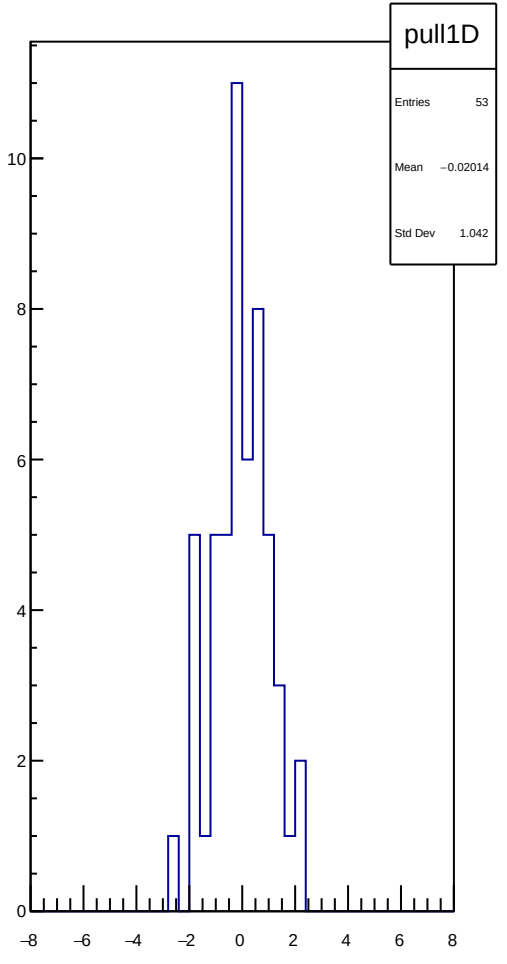

eigen_dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1614 / 52
p0 104.3 ± 0.1043
118
116
114
112
110
108
106
104
102
100
98
96
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

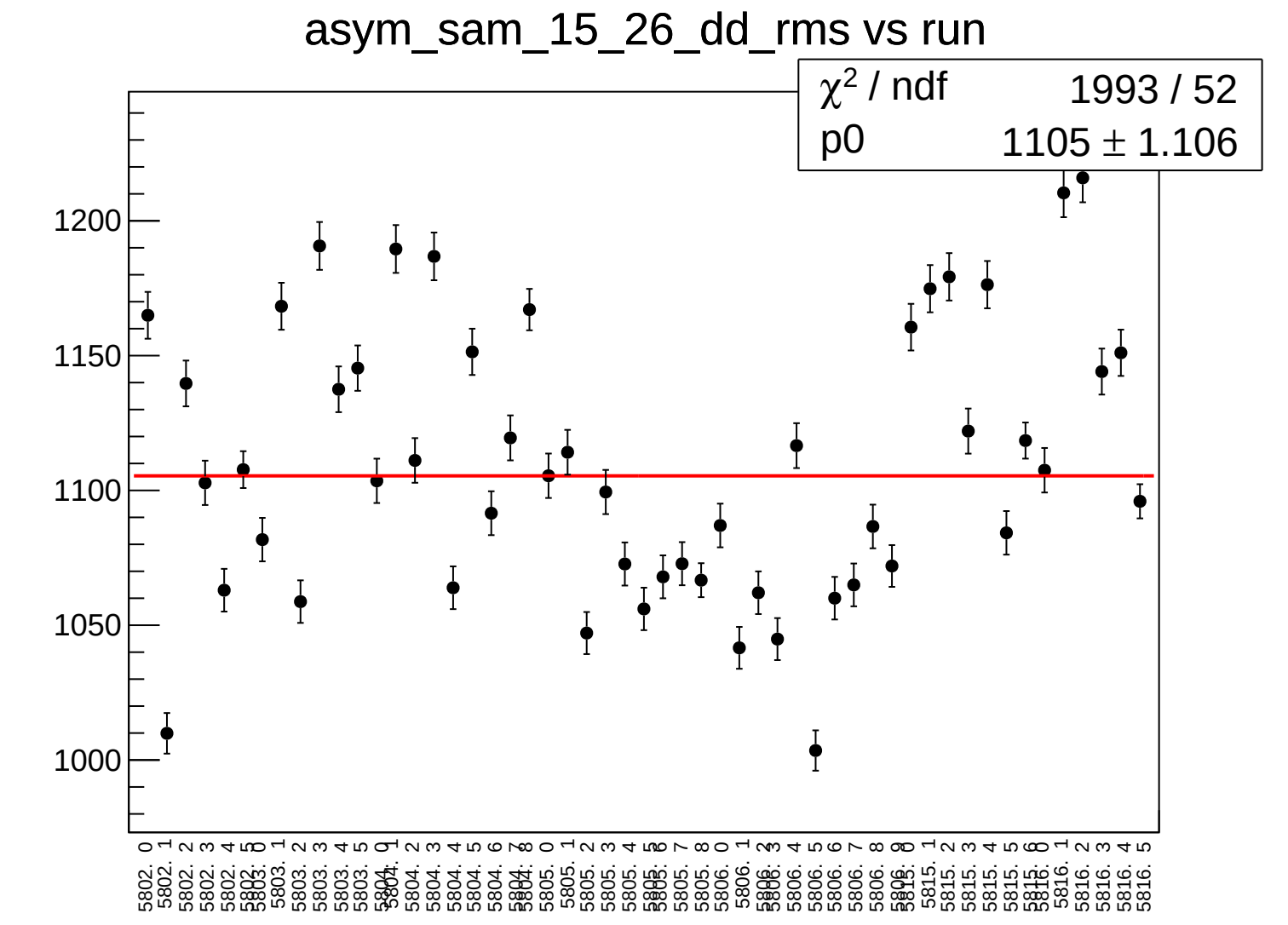

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.27 / 52
p0 −537.4 ± 1595
pull
Entries 53
Mean −89.35
Std Dev 0

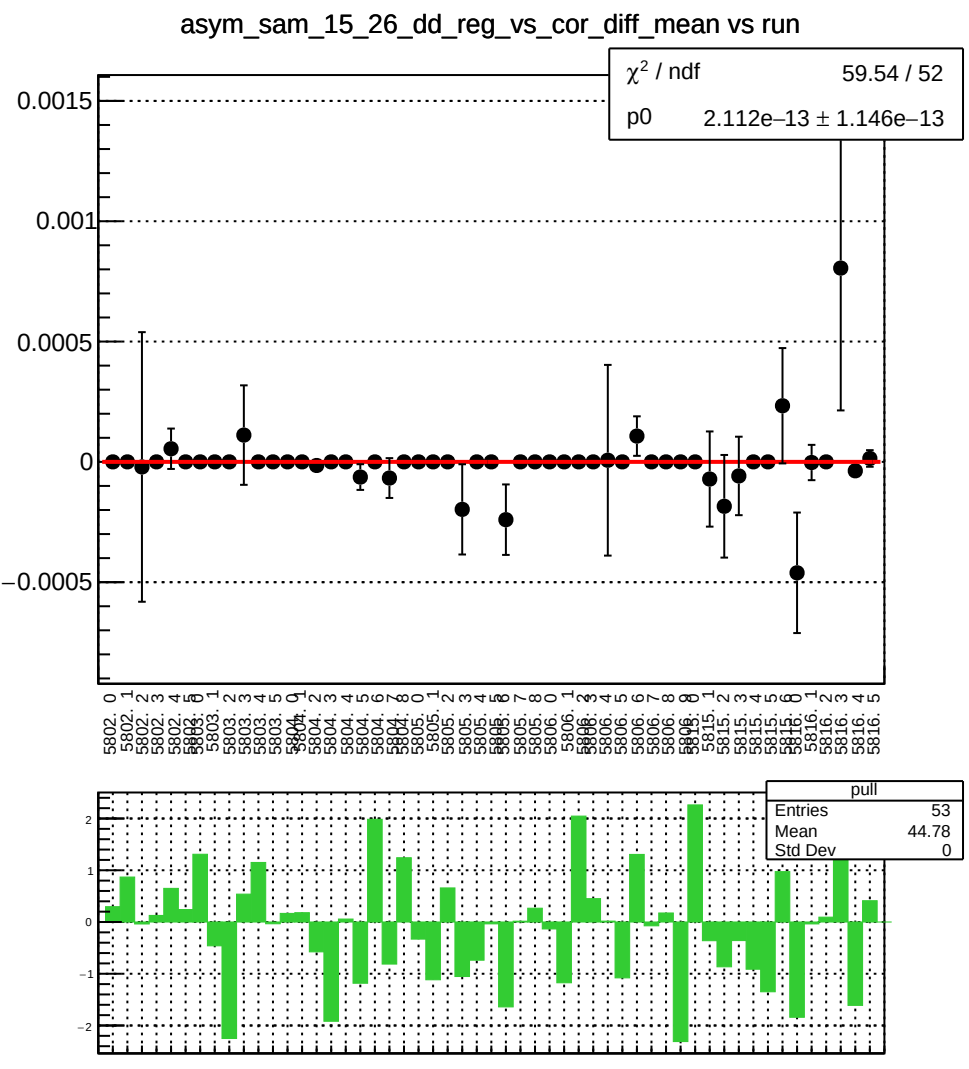

pull1D
Entries 53
Mean 0.023
Std Dev 1.039

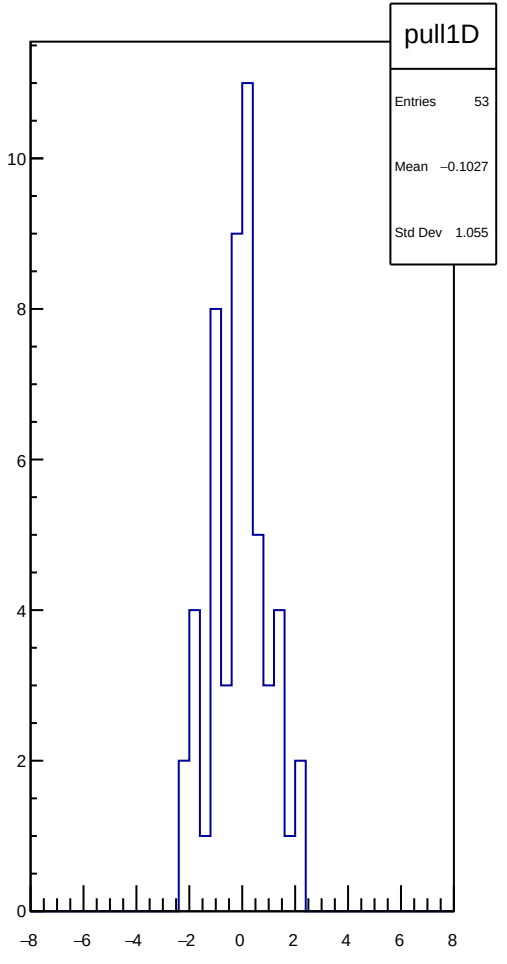

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1549 / 52
p0 1128 ± 1.128
1250
1200
1150
1100
1050
1000

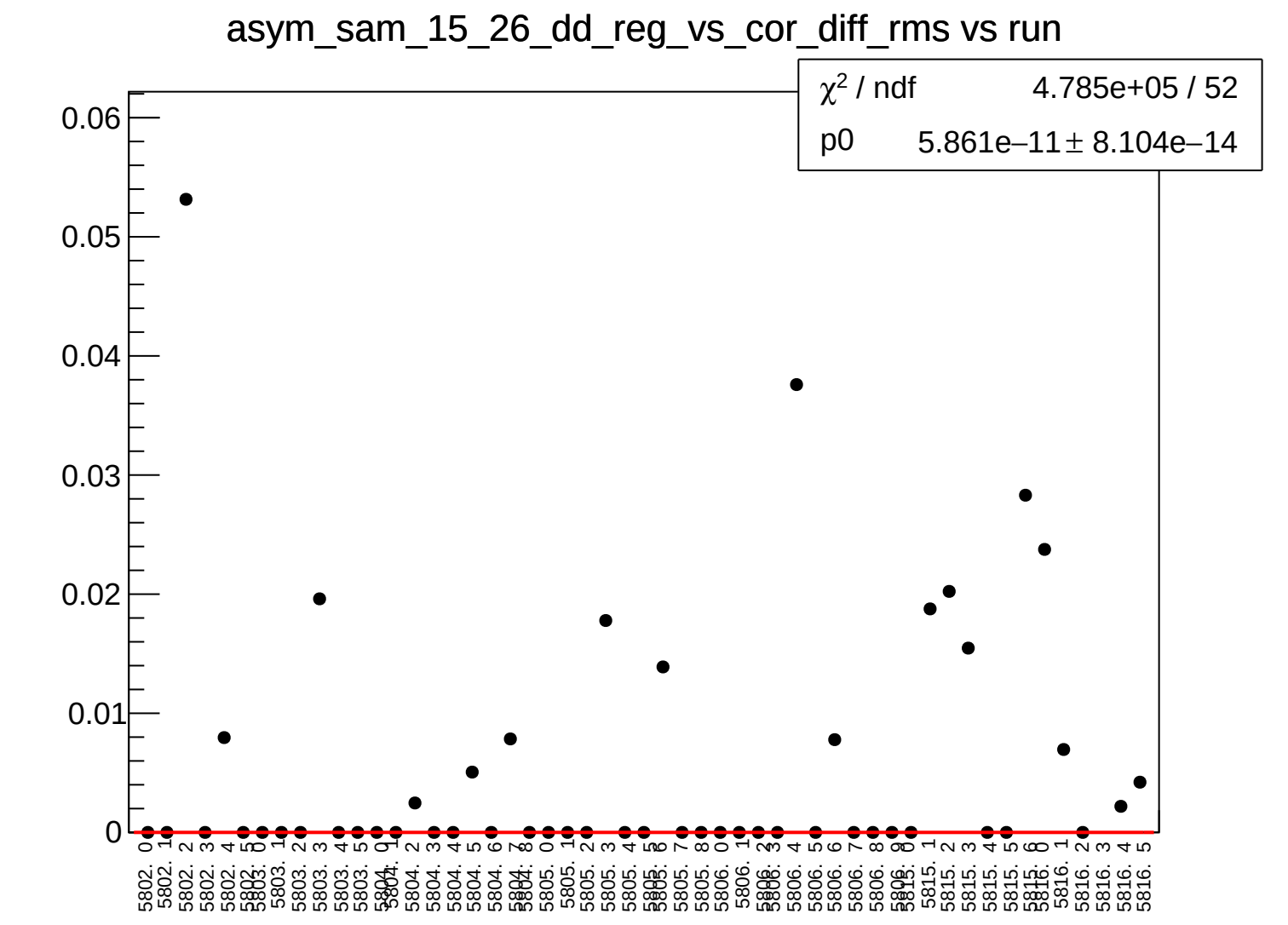

asym_sam_15_26_dd_mean vs run
χ² / ndf 57.53 / 52
p0 401.9 ± 1564
pull
Entries 53
Mean −93.39
Std Dev 0

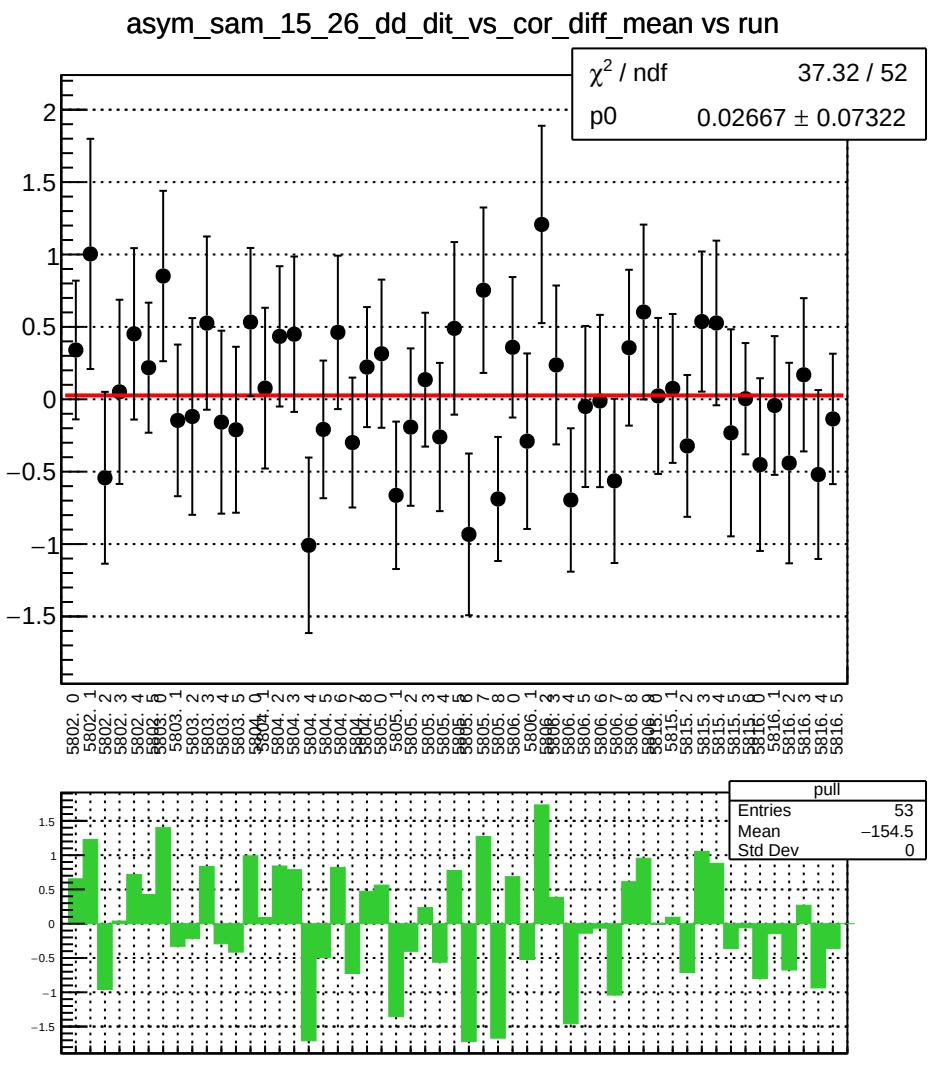

pull1D
Entries 53
Mean −0.02014
Std Dev 1.042

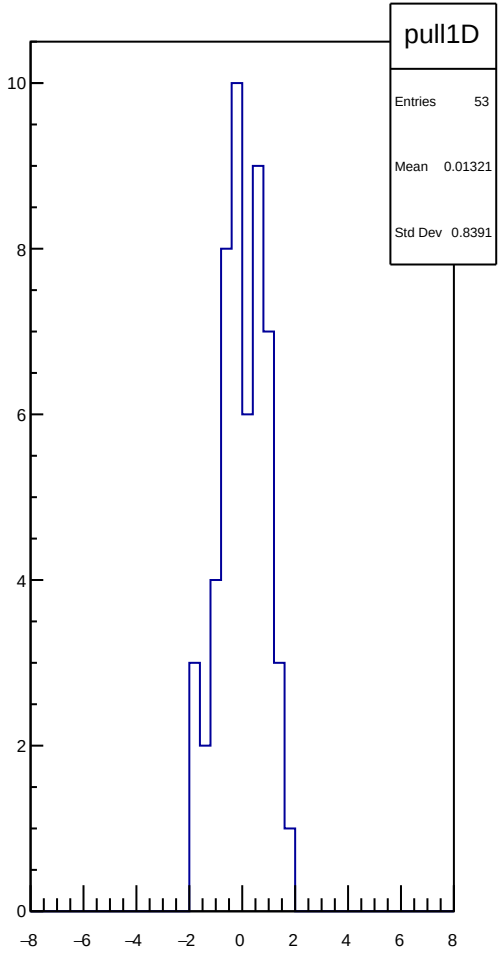

asym_sam_15_26_dd_rms vs run
χ² / ndf 1993 / 52
p0 1105 ± 1.106
1200
1150
1100
1050
1000

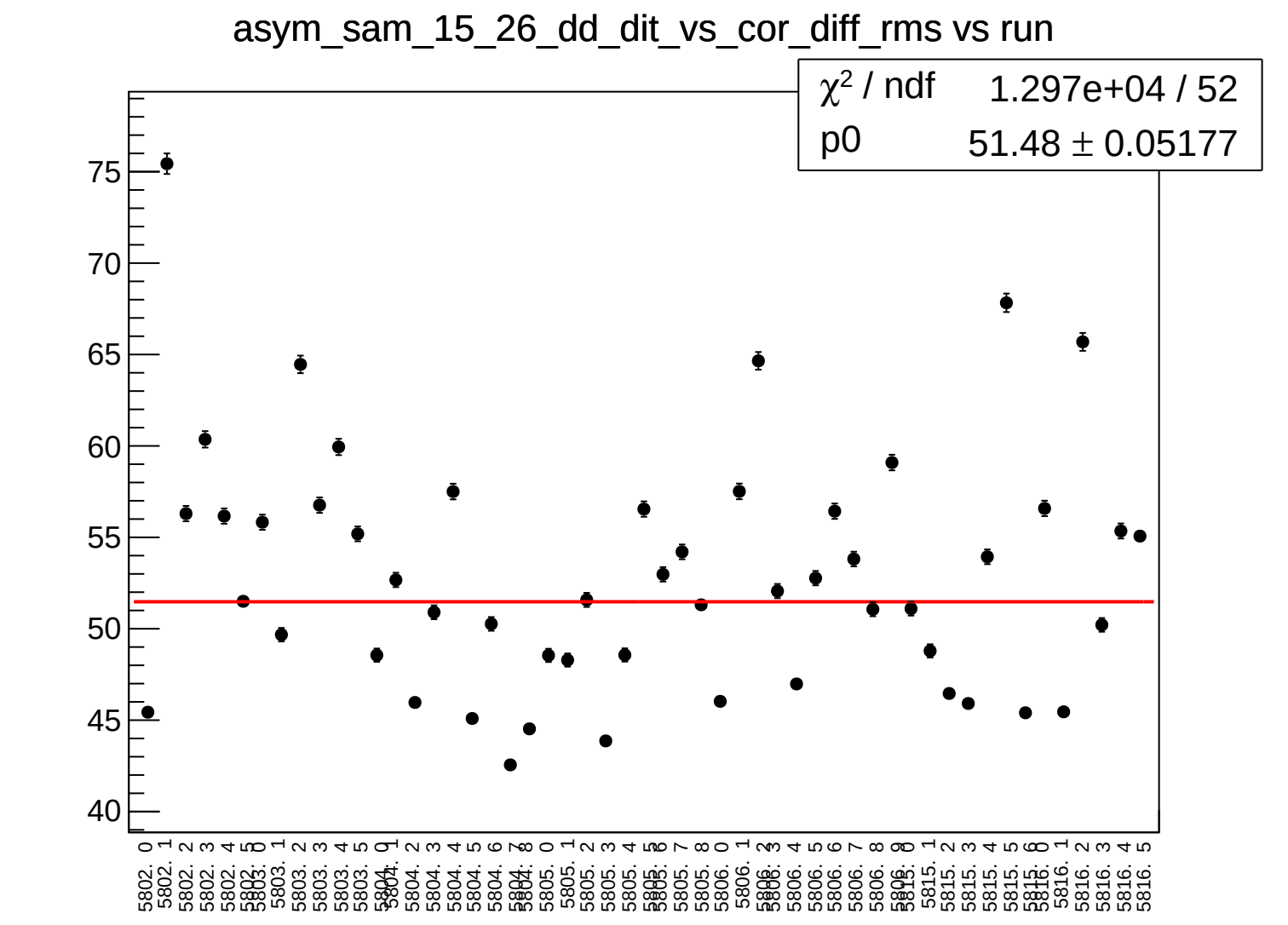

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.54 / 52
p0 2.112e−13 ± 1.146e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 53
Mean 44.78
Std Dev 0
2
1
0
−1
−2

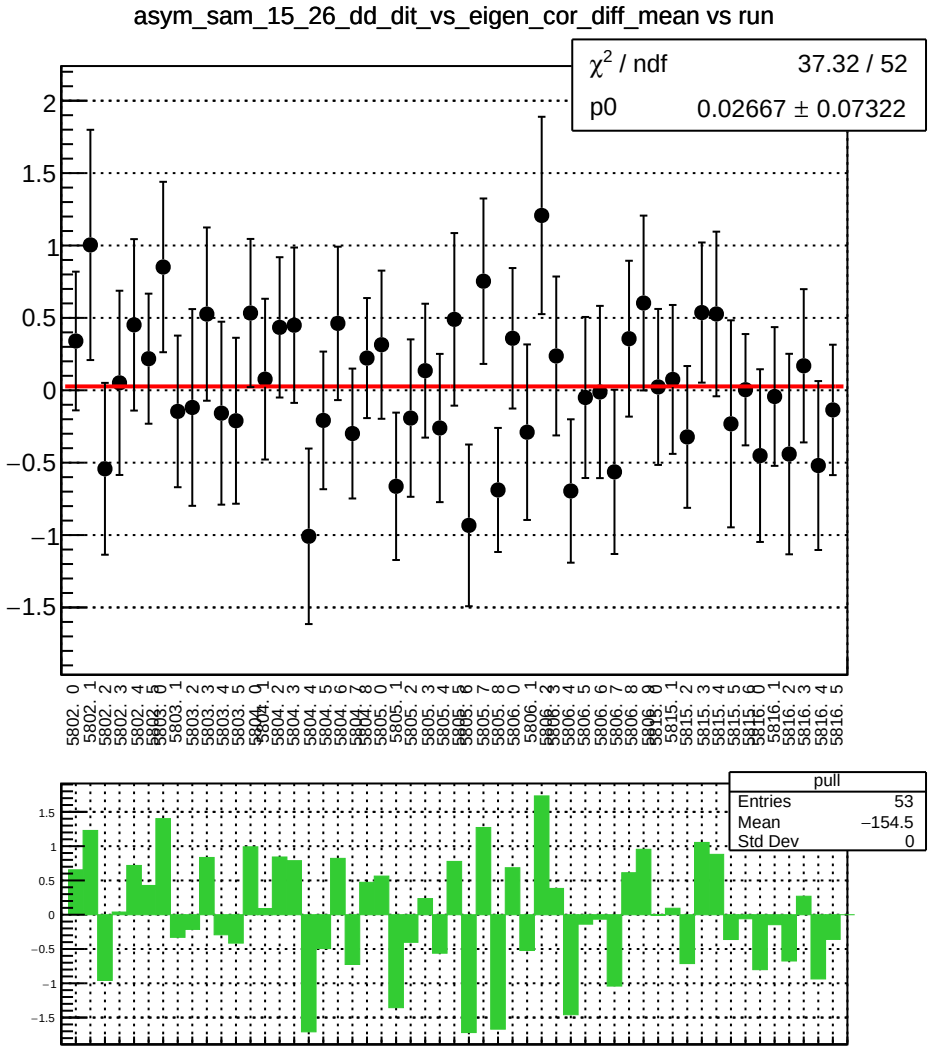

pull1D
Entries 53
Mean −0.1027
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

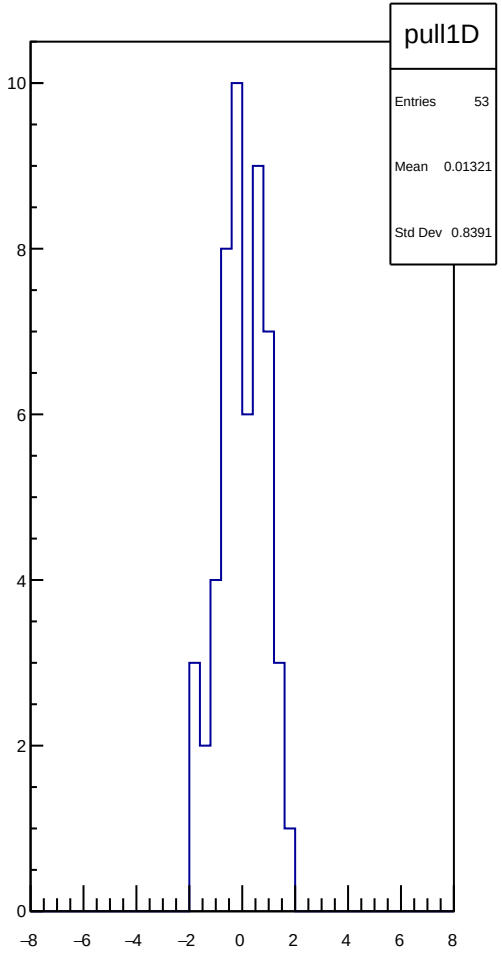

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.785e+05 / 52
p0 5.861e−11 ± 8.104e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

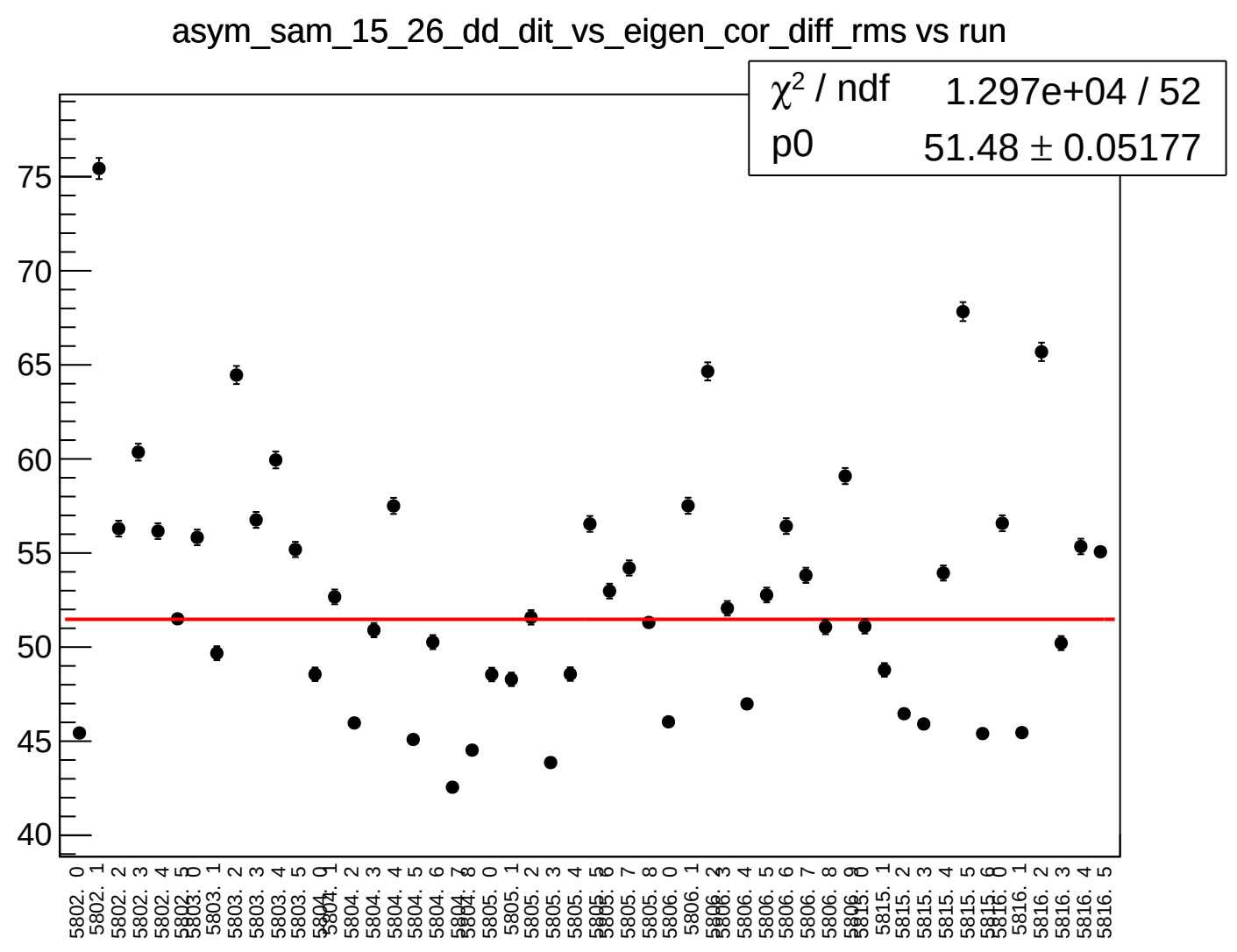

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.32 / 52
p0 0.02667 ± 0.07322
pull
Entries 53
Mean −154.5
Std Dev 0

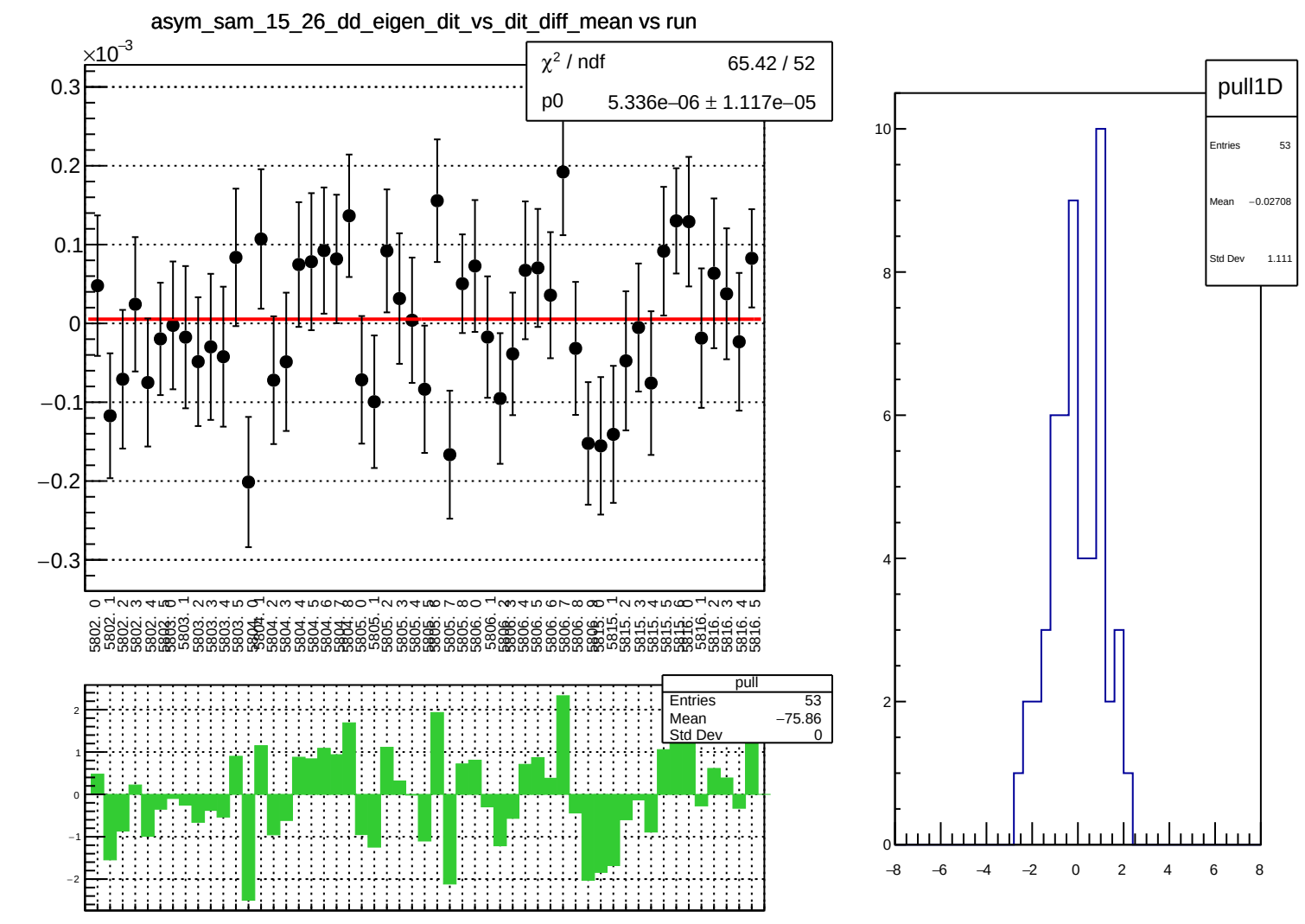

pull1D
Entries 53
Mean 0.01321
Std Dev 0.8391

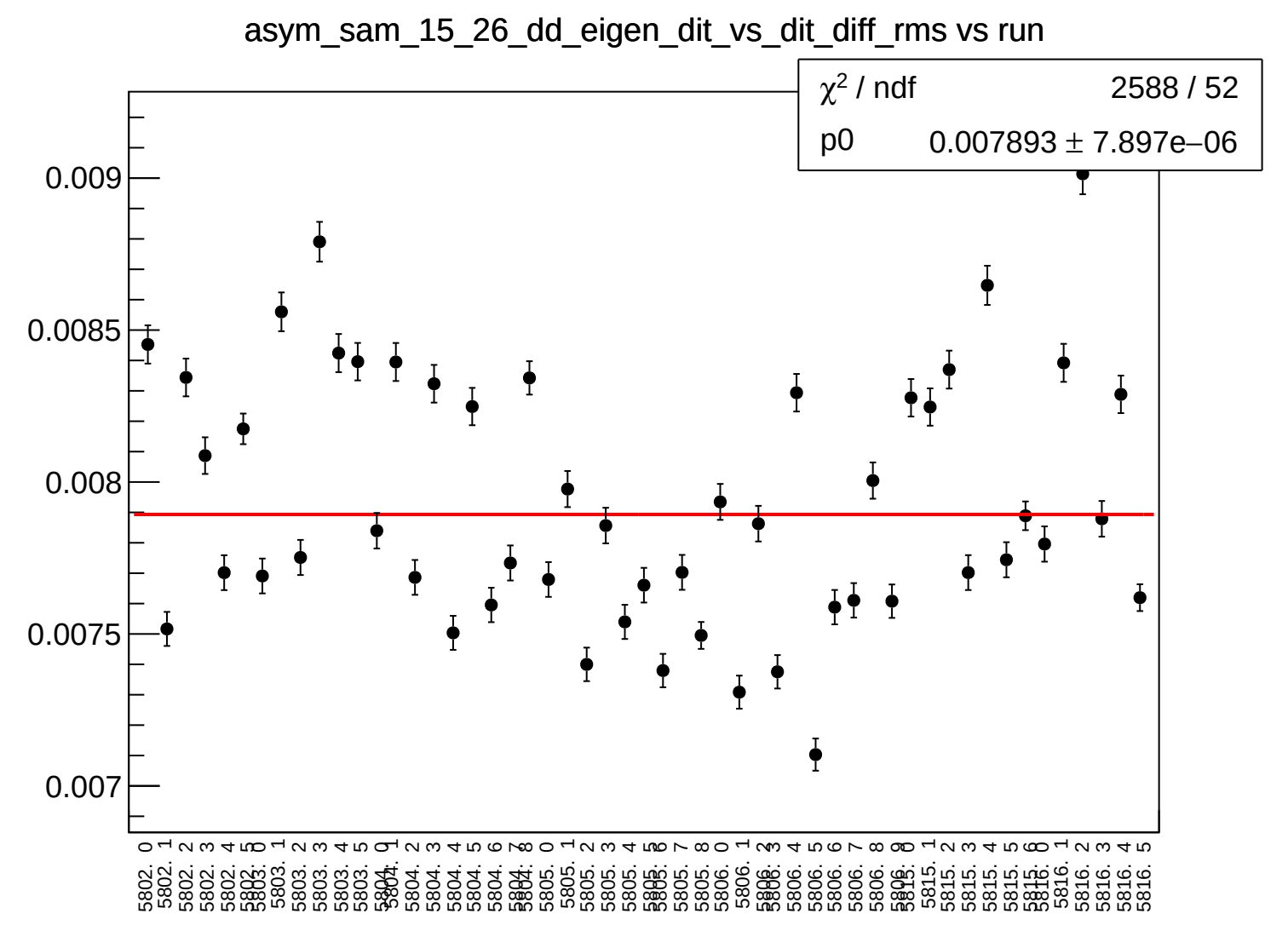

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.297e+04 / 52
p0 51.48 ± 0.05177
75
70
65
60
55
50
45
40

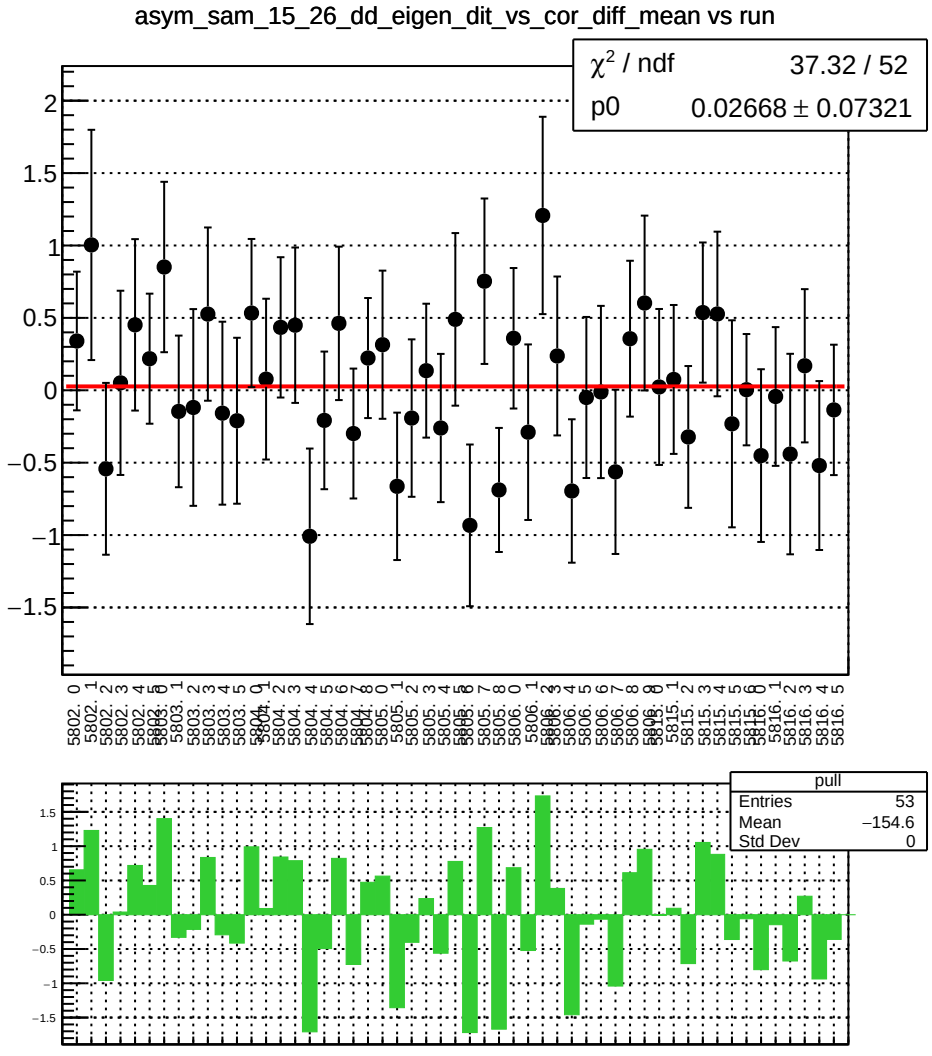

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.32 / 52
p0 0.02667 ± 0.07322
pull
Entries 53
Mean −154.5
Std Dev 0

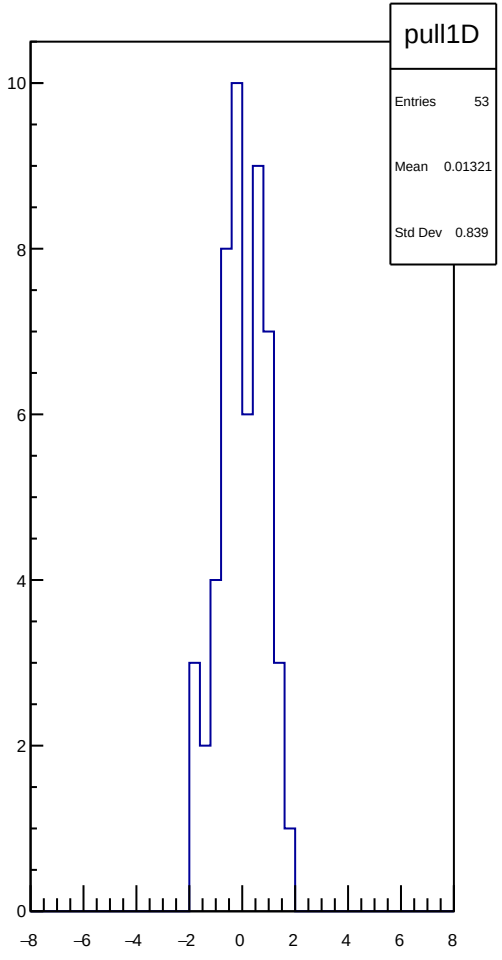

pull1D
Entries 53
Mean 0.01321
Std Dev 0.8391

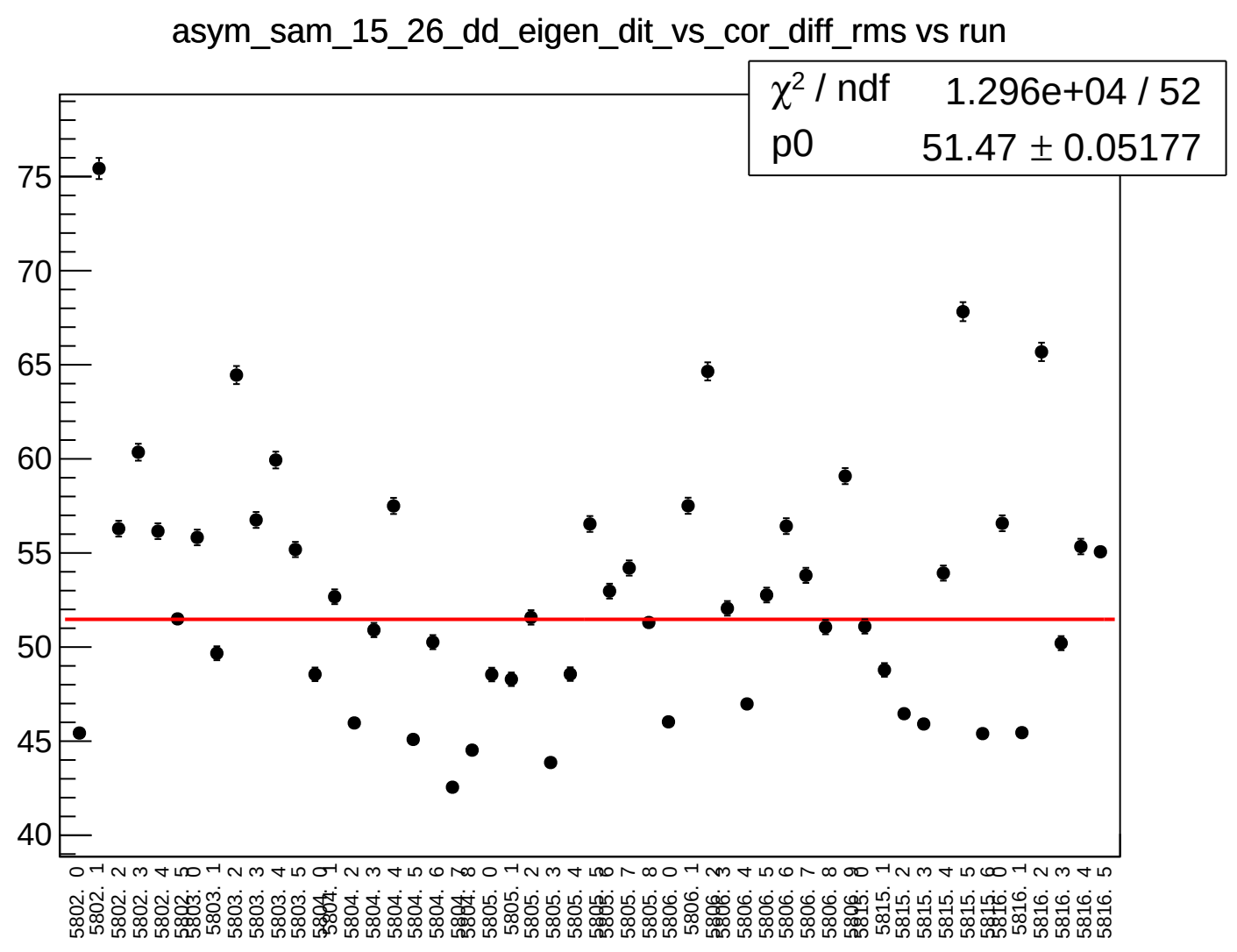

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.297e+04 / 52
p0 51.48 ± 0.05177
75
70
65
60
55
50
45
40


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.42 / 52
p0 5.336e−06 ± 1.117e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 53
Mean −75.86
Std Dev 0
pull1D
Entries 53
Mean −0.02708
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

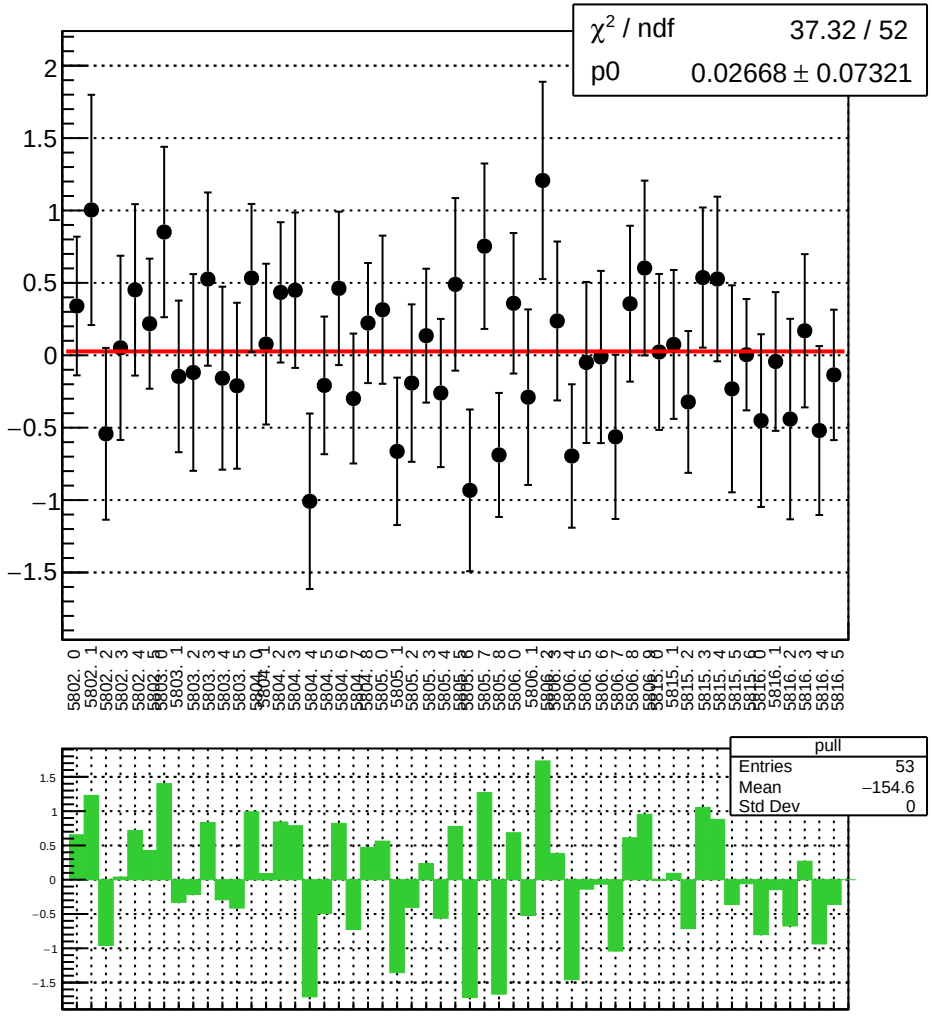

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2588 / 52
p0 0.007893 ± 7.897e−06
0.009
0.0085
0.008
0.0075
0.007

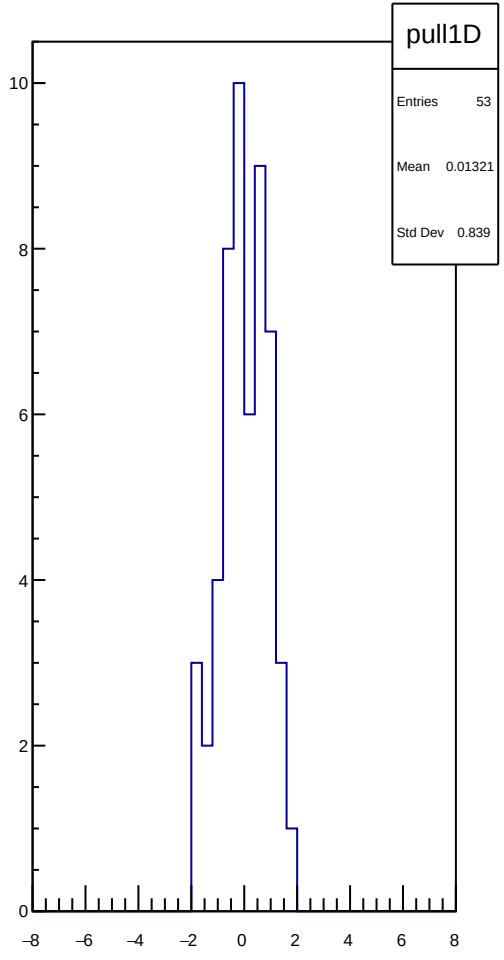

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.32 / 52
p0 0.02668 ± 0.07321
pull
Entries 53
Mean −154.6
Std Dev 0

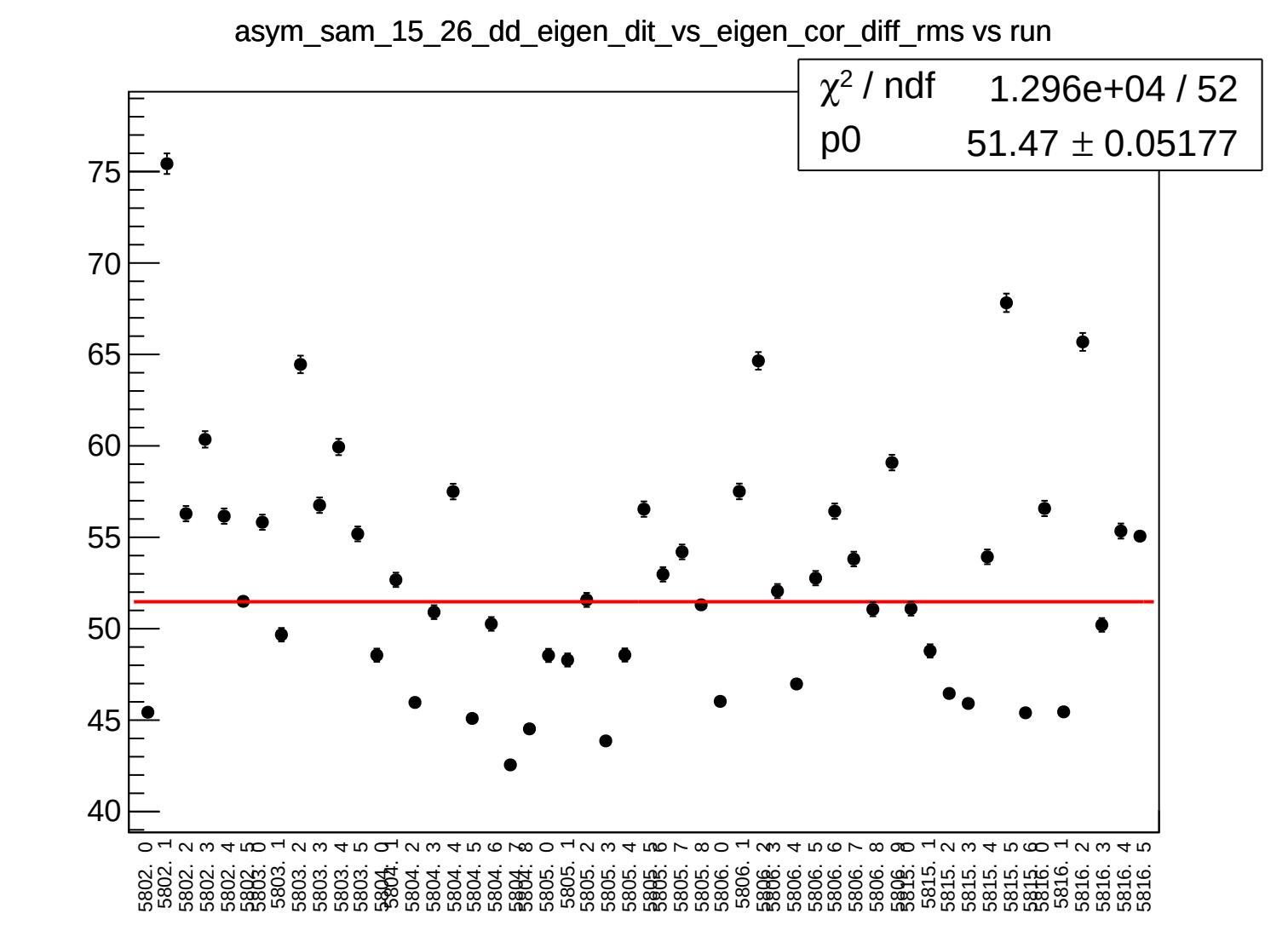

pull1D
Entries 53
Mean 0.01321
Std Dev 0.839

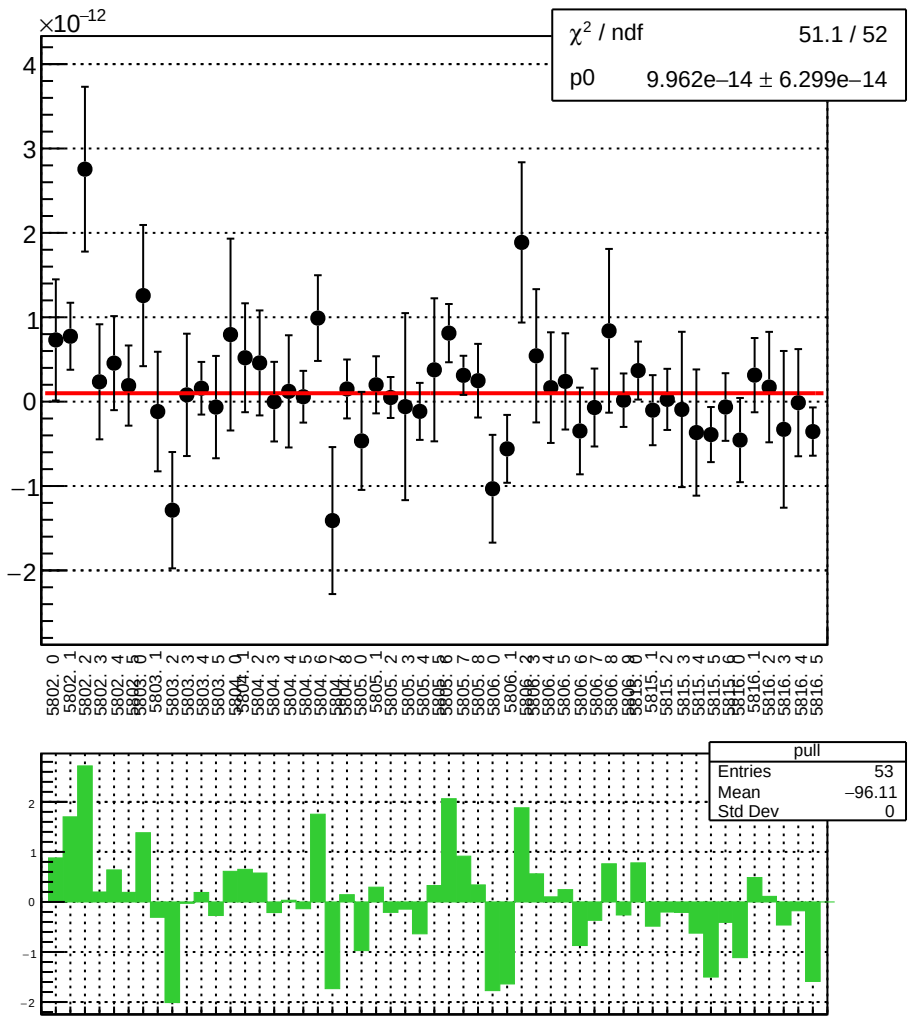

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.296e+04 / 52
p0 51.47 ± 0.05177
75
70
65
60
55
50
45
40

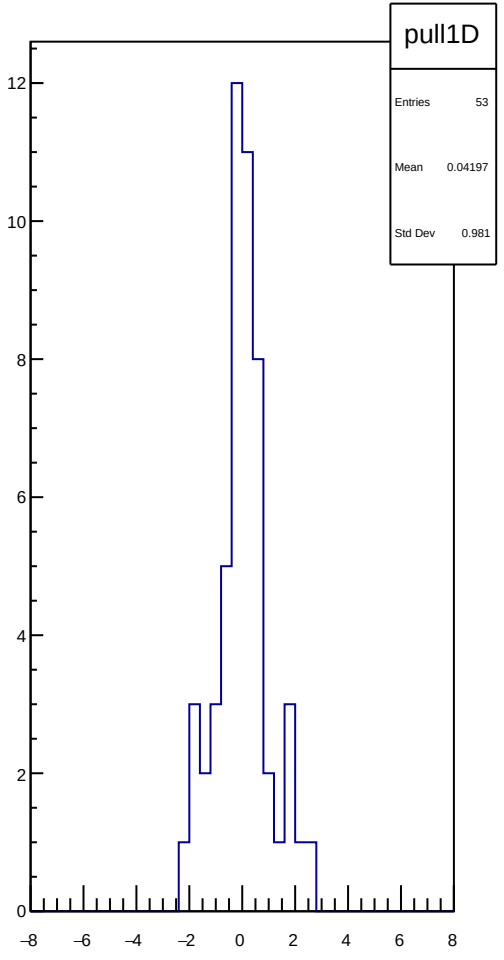
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

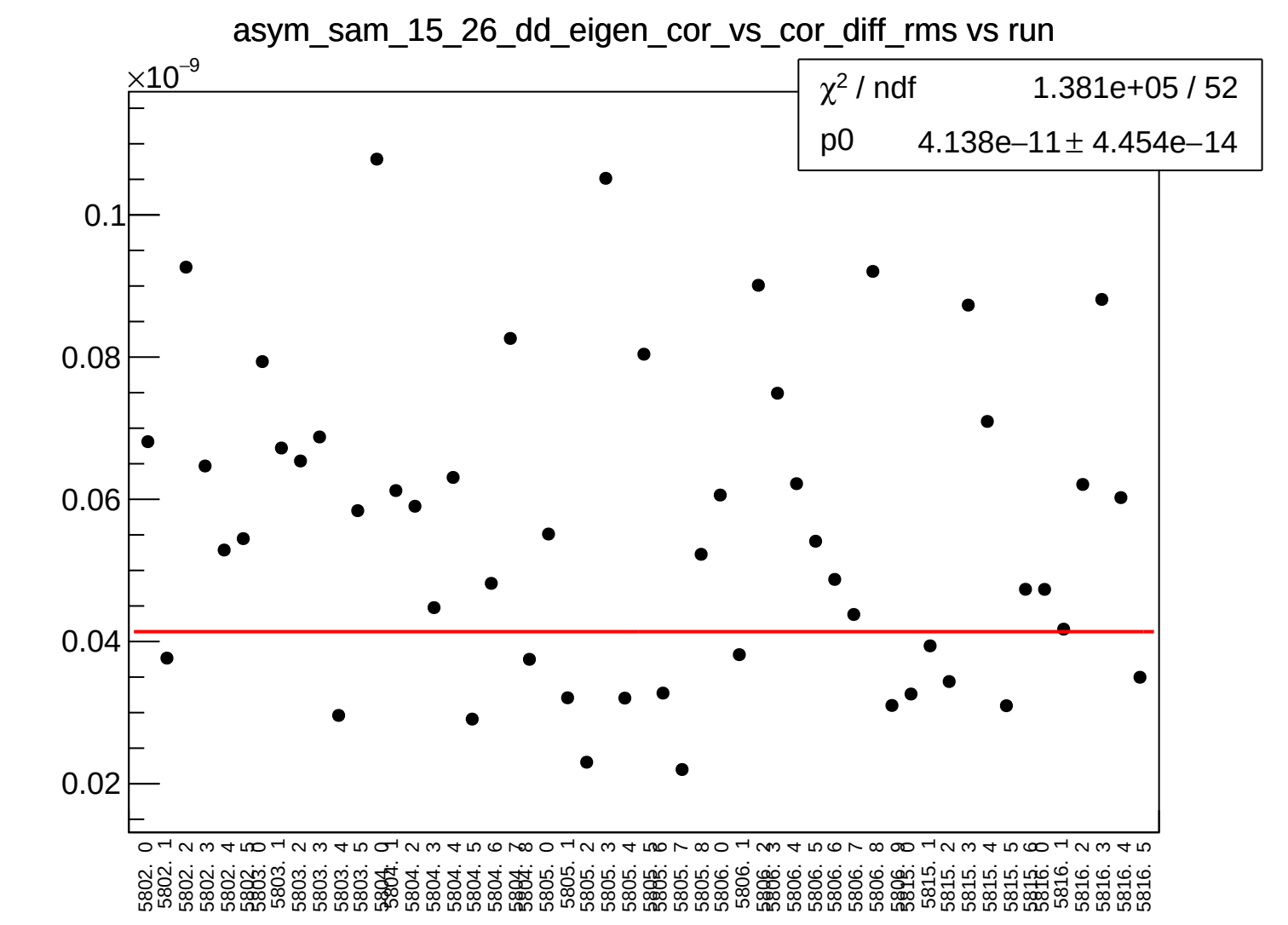


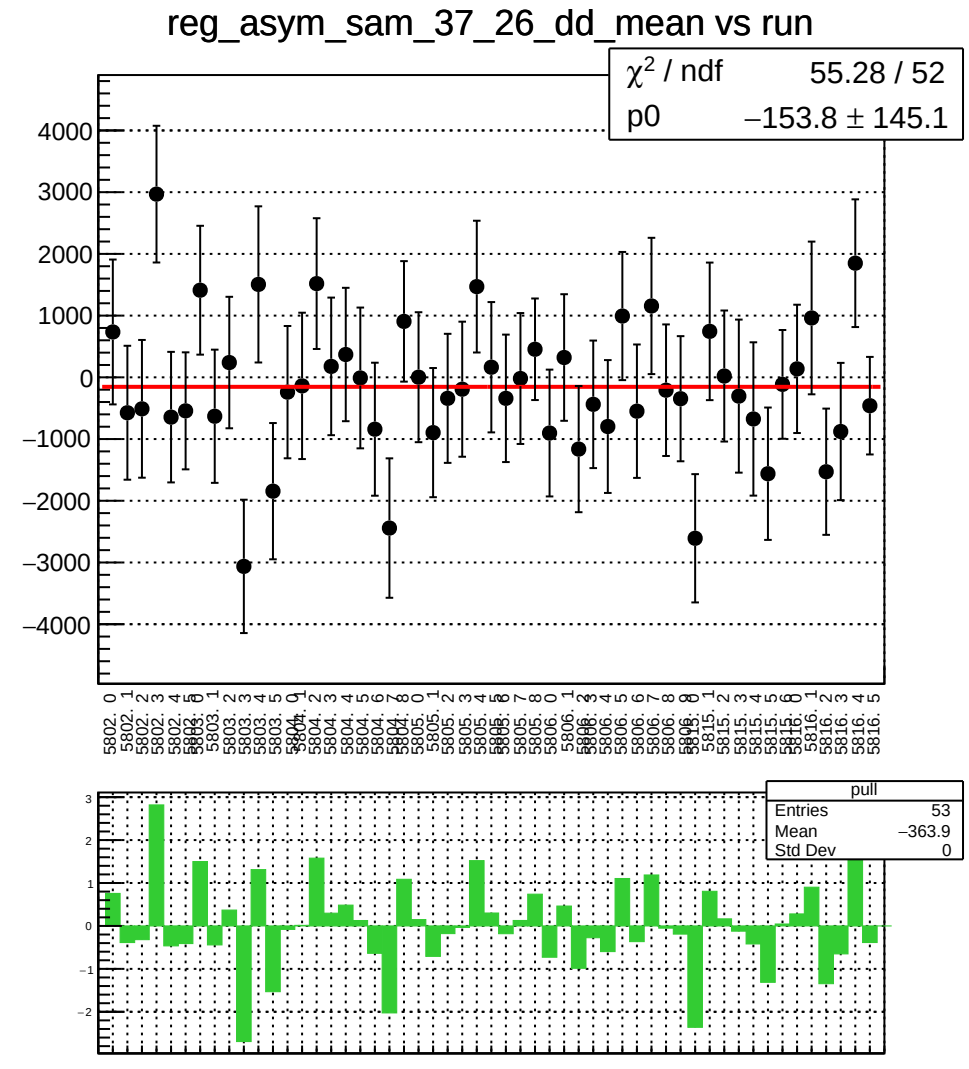


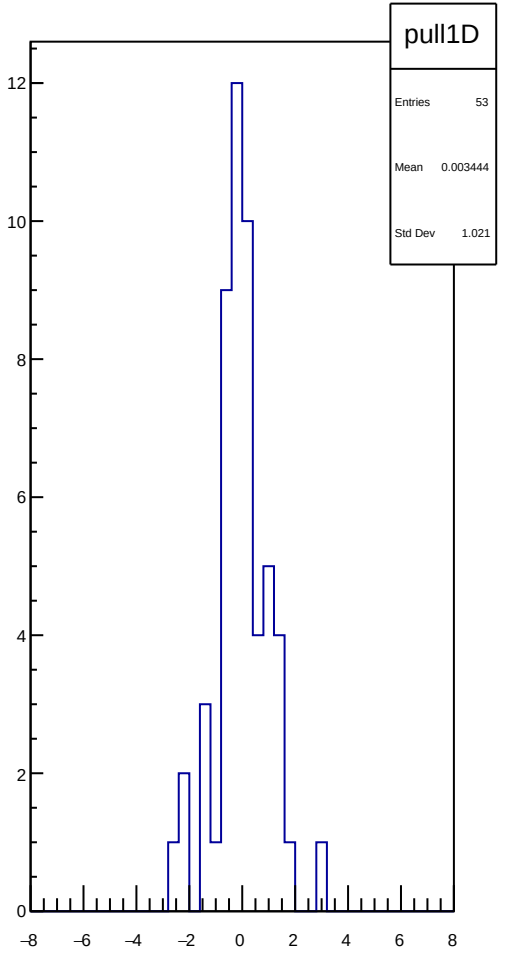

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.296e+04 / 52
p0 51.47 ± 0.05177
75
70
65
60
55
50
45
40

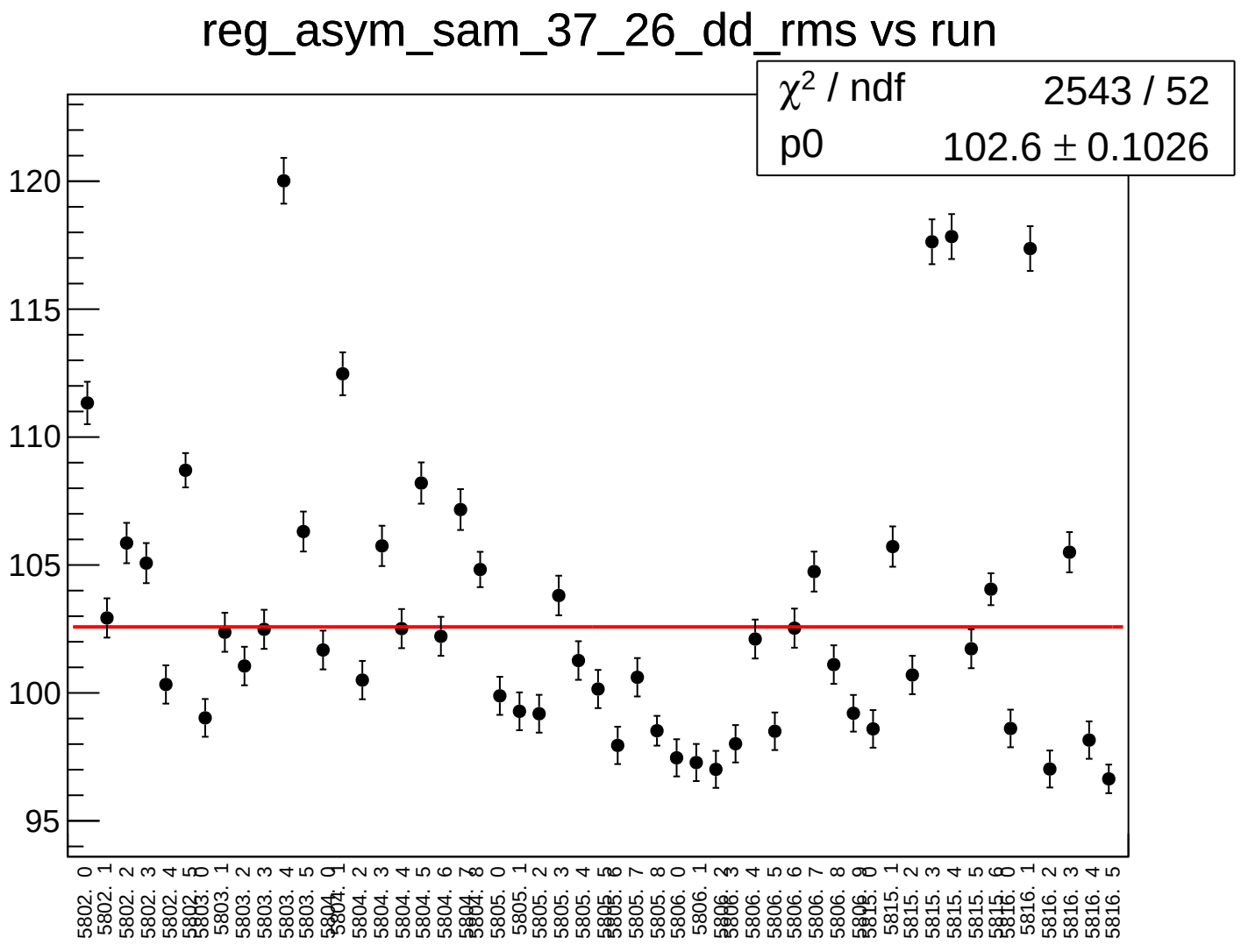

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.1 / 52
p0 9.962e−14 ± 6.299e−14
pull
Entries 53
Mean −96.11
Std Dev 0

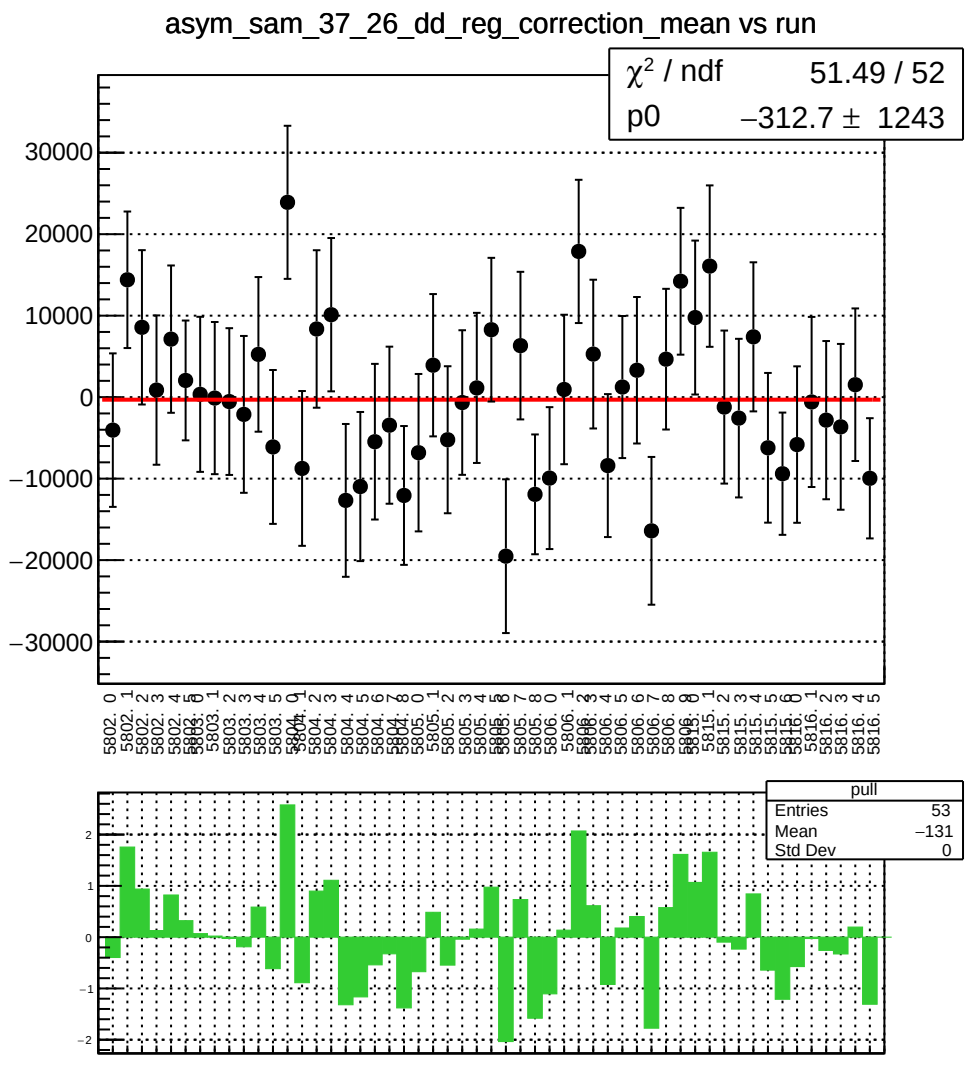

pull1D
Entries 53
Mean 0.04197
Std Dev 0.981

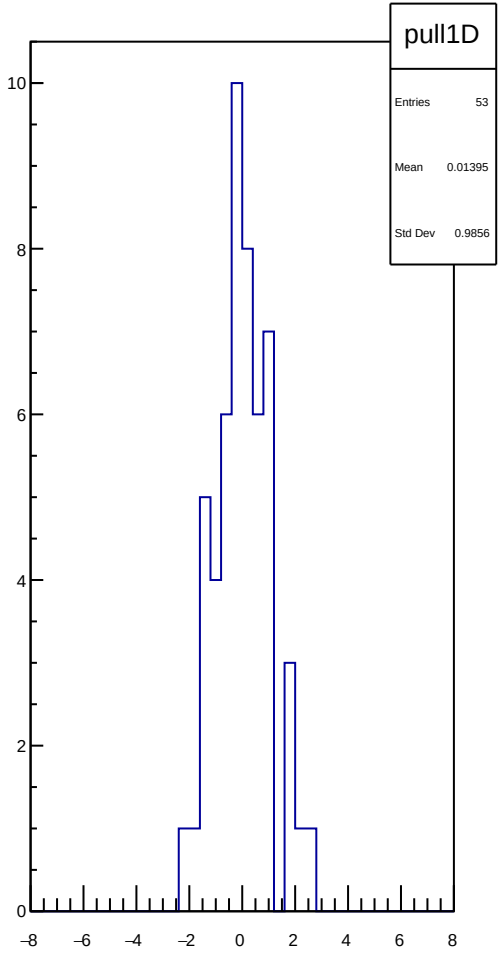

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.381e+05 / 52
p0 4.138e−11 ± 4.454e−14
0.1
0.08
0.06
0.04
0.02

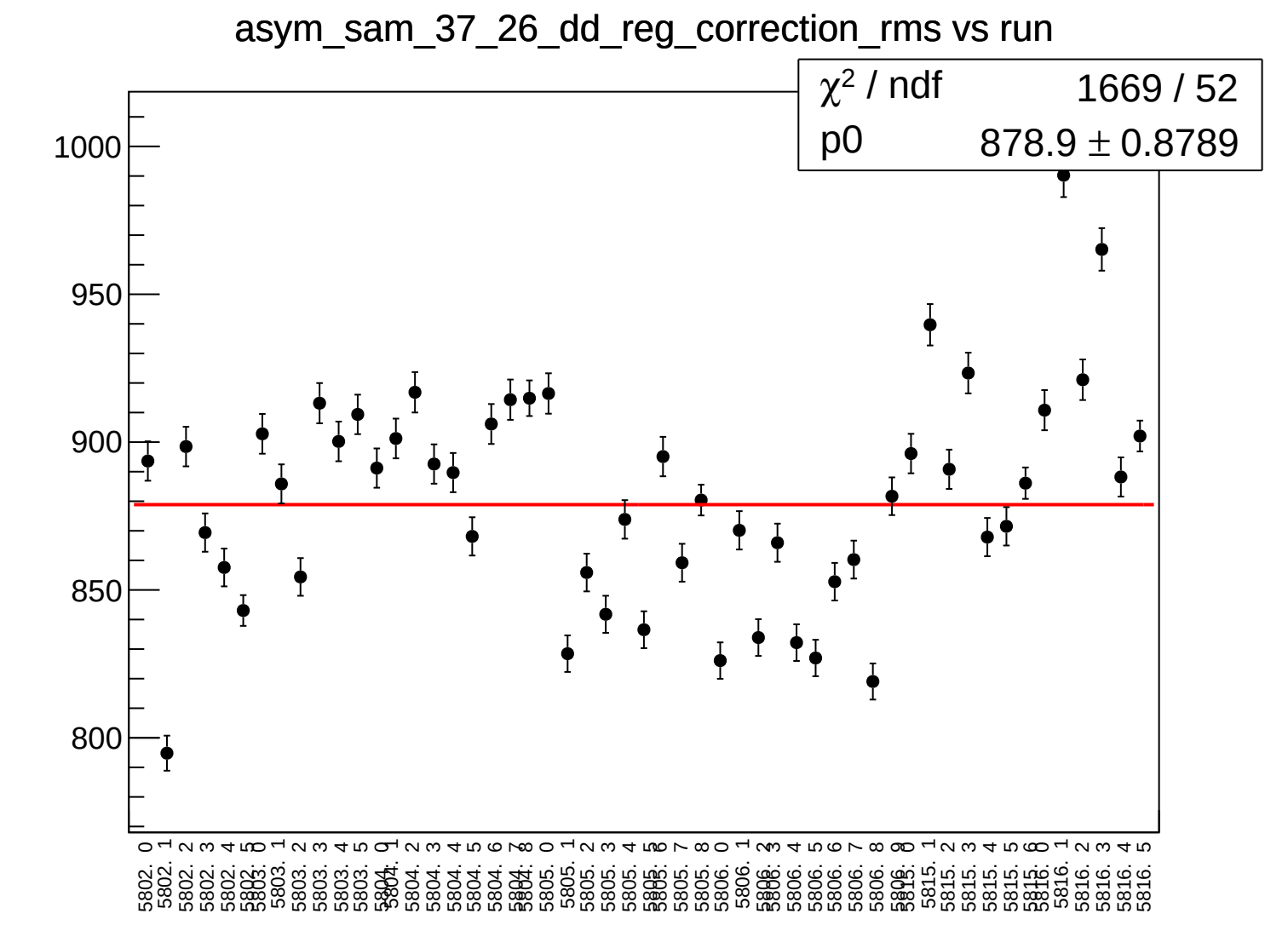

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.28 / 52
p0 −153.8 ± 145.1
pull
Entries 53
Mean −363.9
Std Dev 0

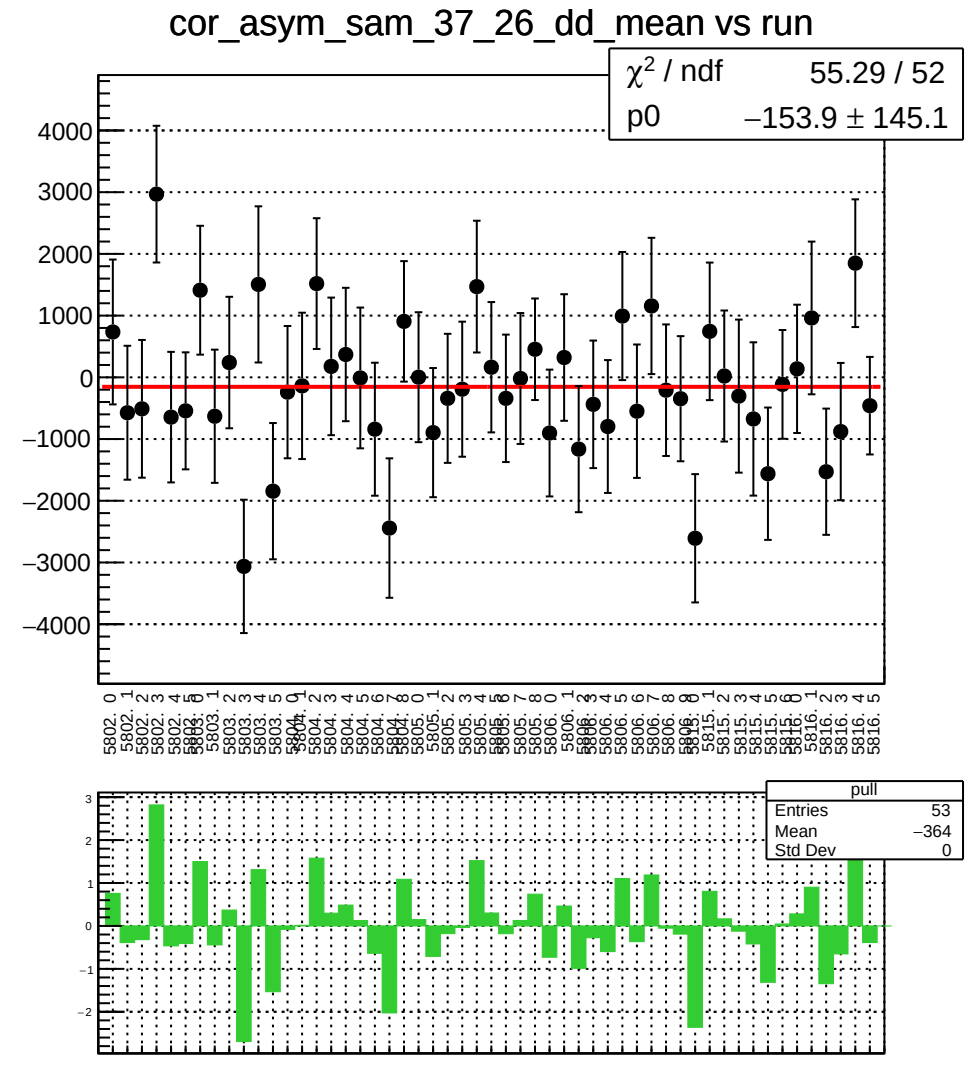

pull1D
Entries 53
Mean 0.003444
Std Dev 1.021

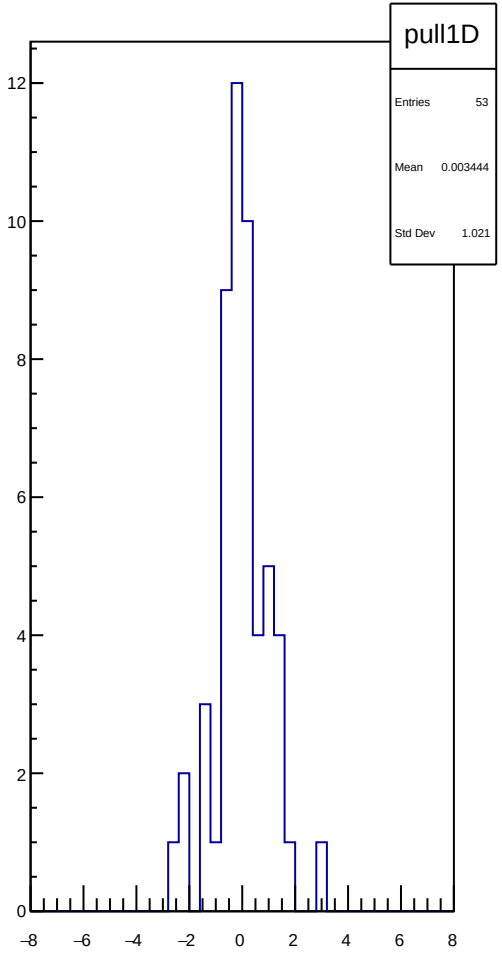

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 2543 / 52
p0 102.6 ± 0.1026
120
115
110
105
100
95

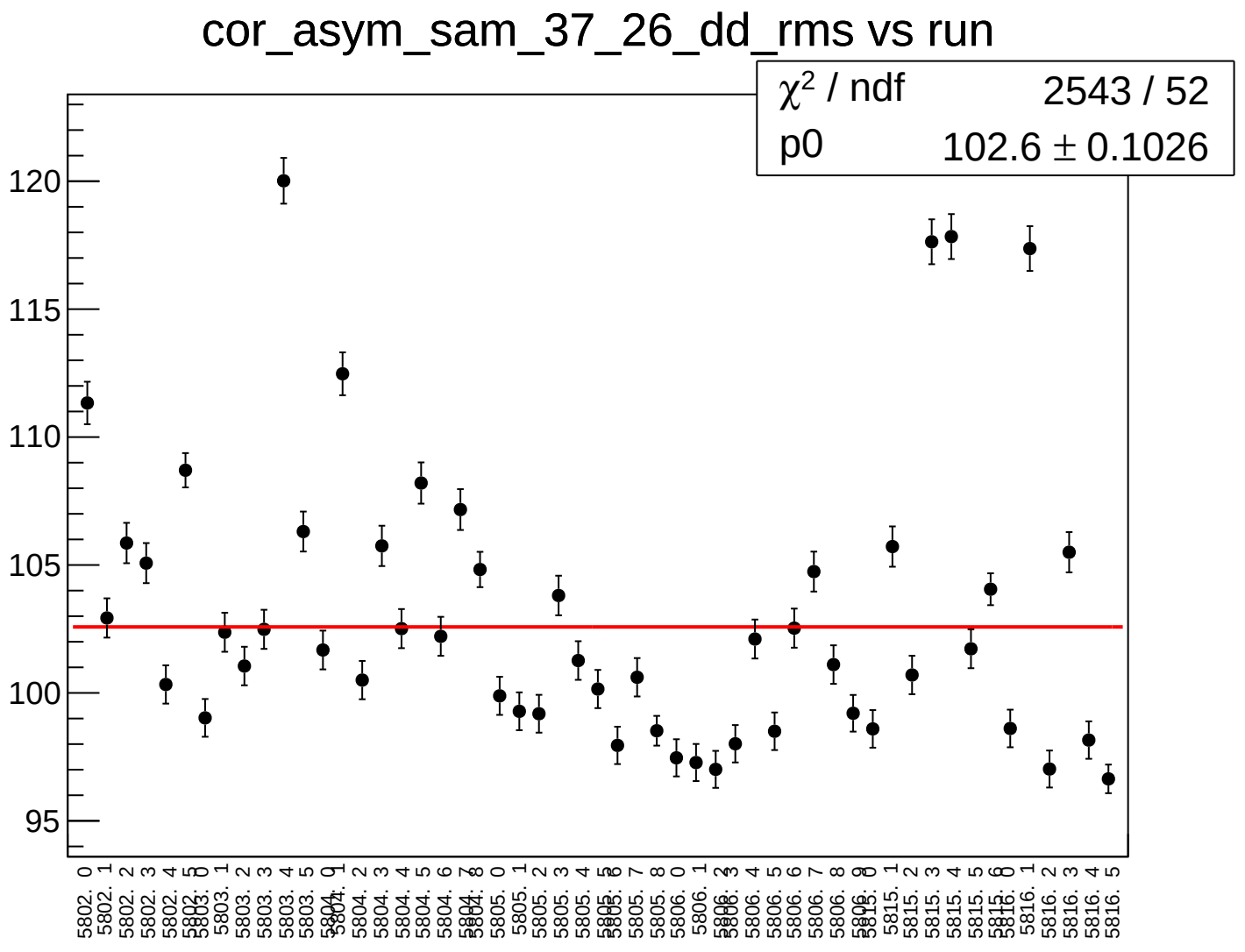

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 51.49 / 52
p0 −312.7 ± 1243
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −131
Std Dev 0
2
1
0
−1
−2

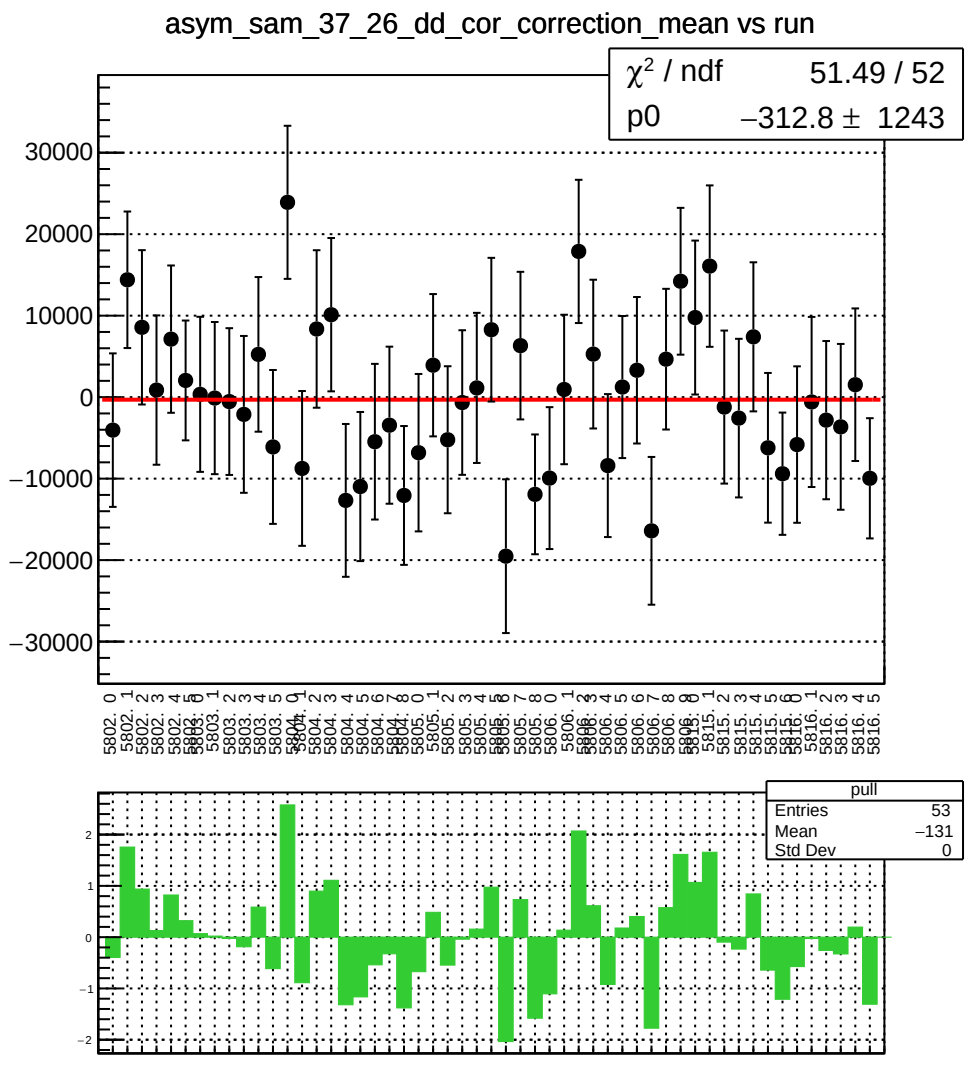

pull1D
Entries 53
Mean 0.01395
Std Dev 0.9856
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

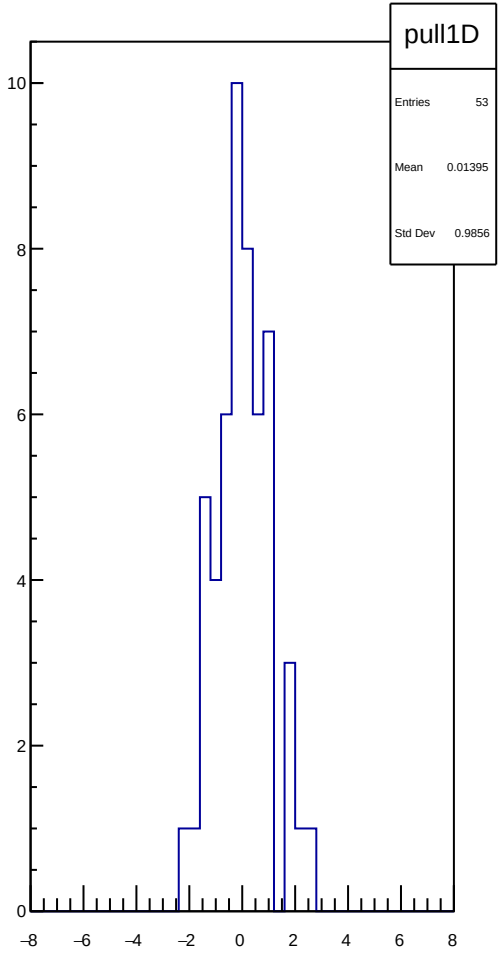

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1669 / 52
p0 878.9 ± 0.8789
1000
950
900
850
800

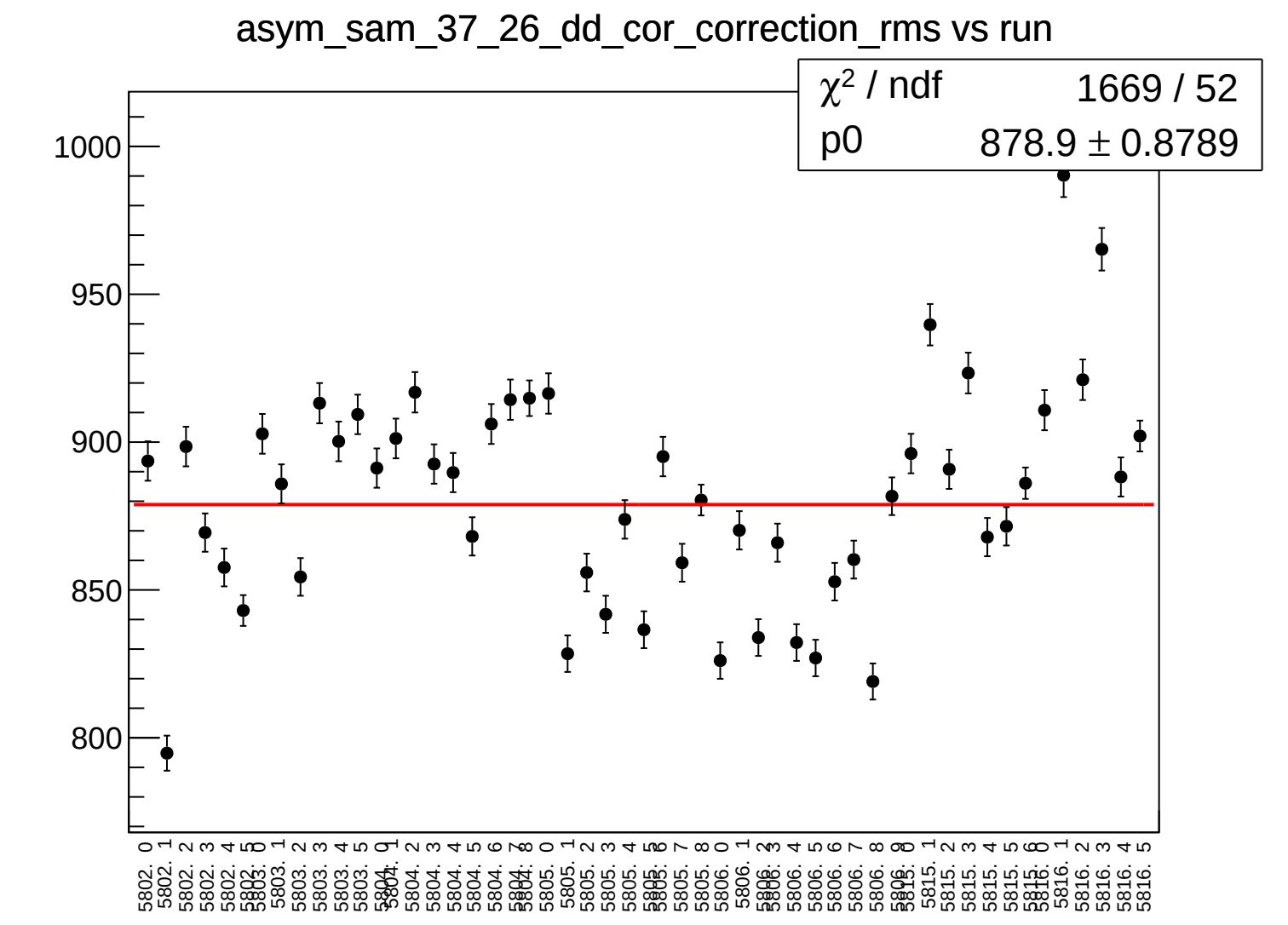

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.29 / 52
p0 −153.9 ± 145.1
pull
Entries 53
Mean −364
Std Dev 0

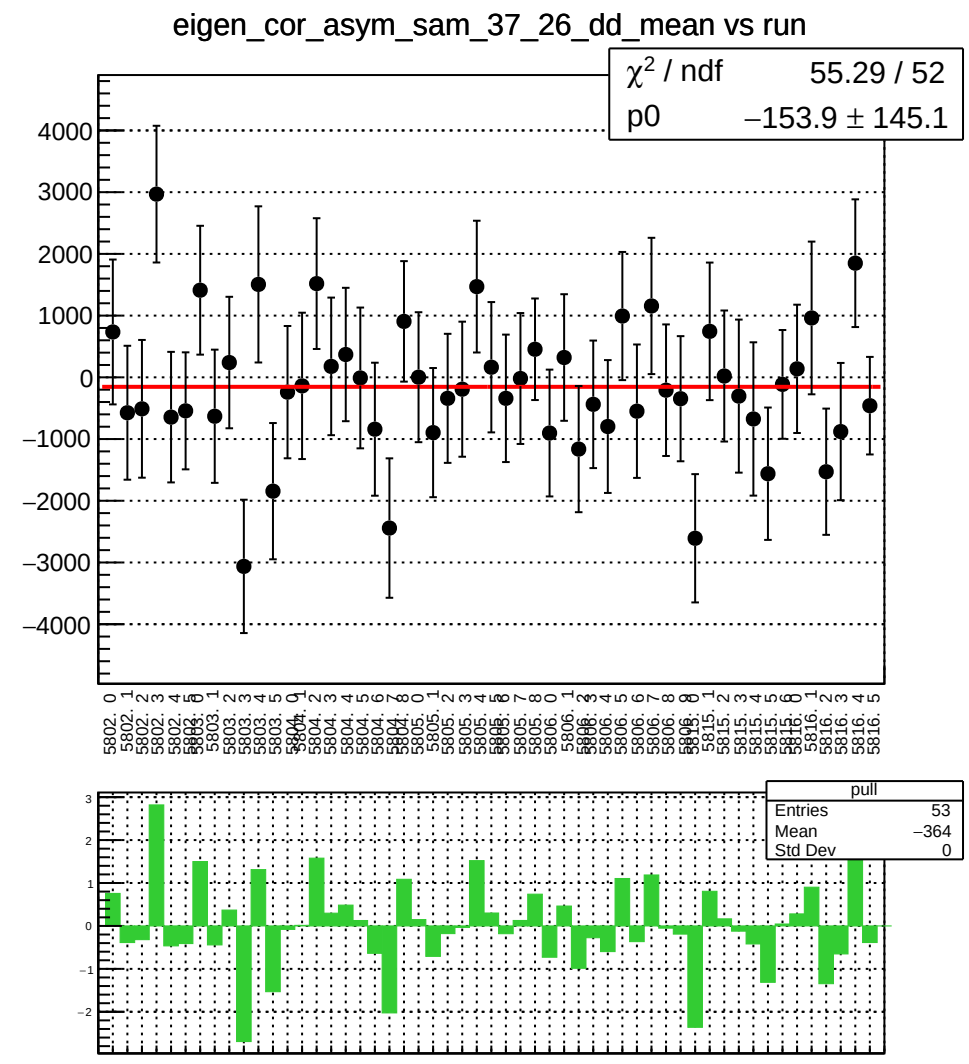

pull1D
Entries 53
Mean 0.003444
Std Dev 1.021

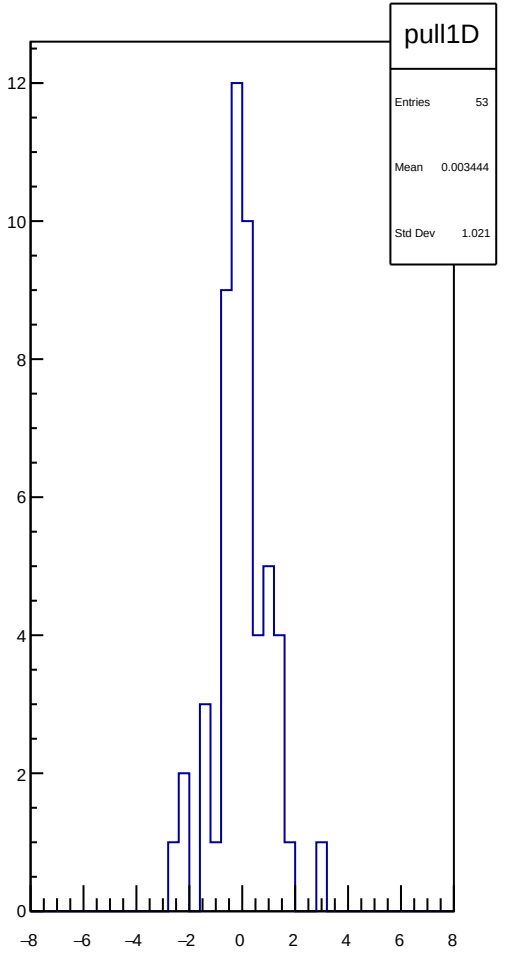

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 2543 / 52
p0 102.6 ± 0.1026
120
115
110
105
100
95

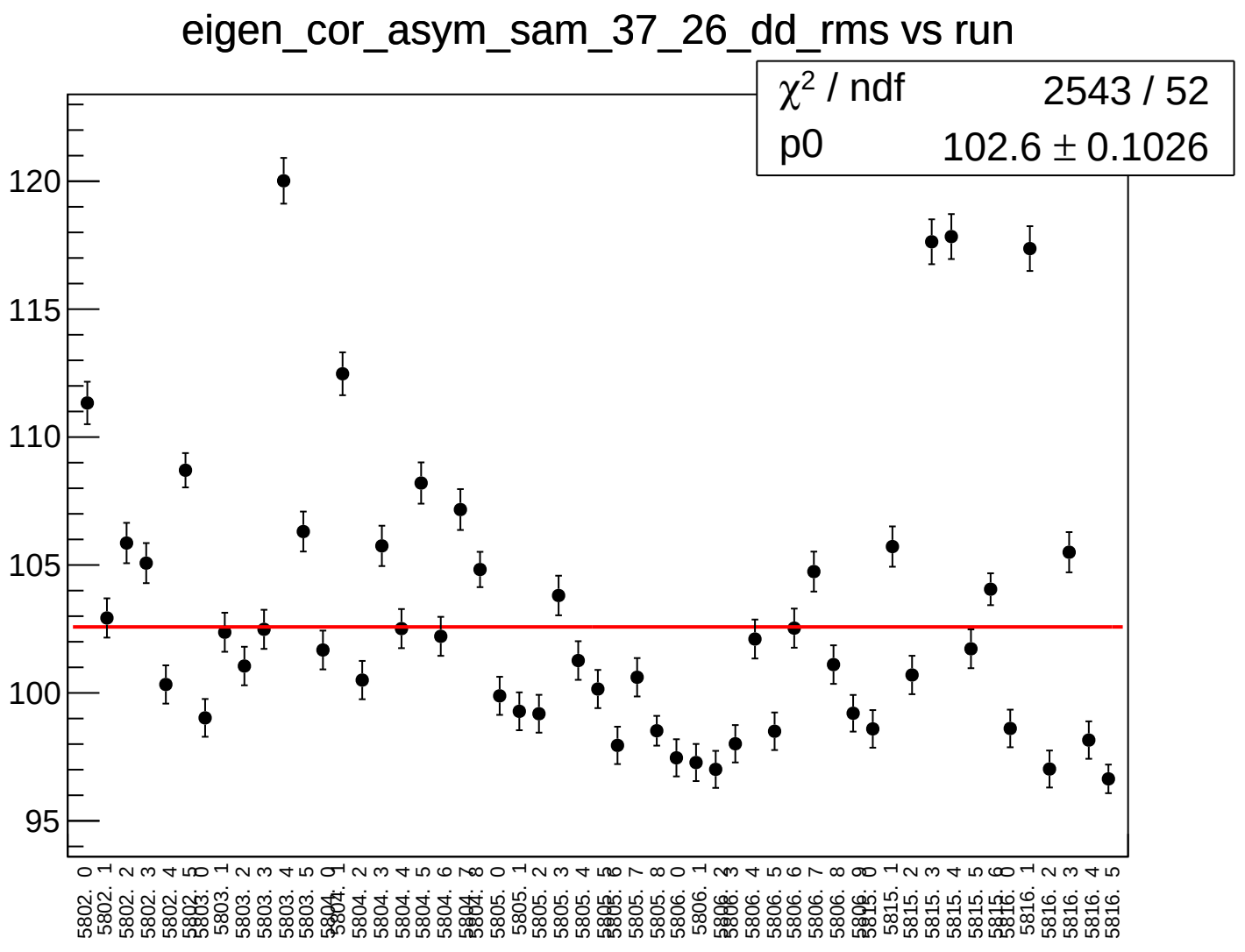

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 51.49 / 52
p0 −312.8 ± 1243
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −131
Std Dev 0
2
1
0
−1
−2

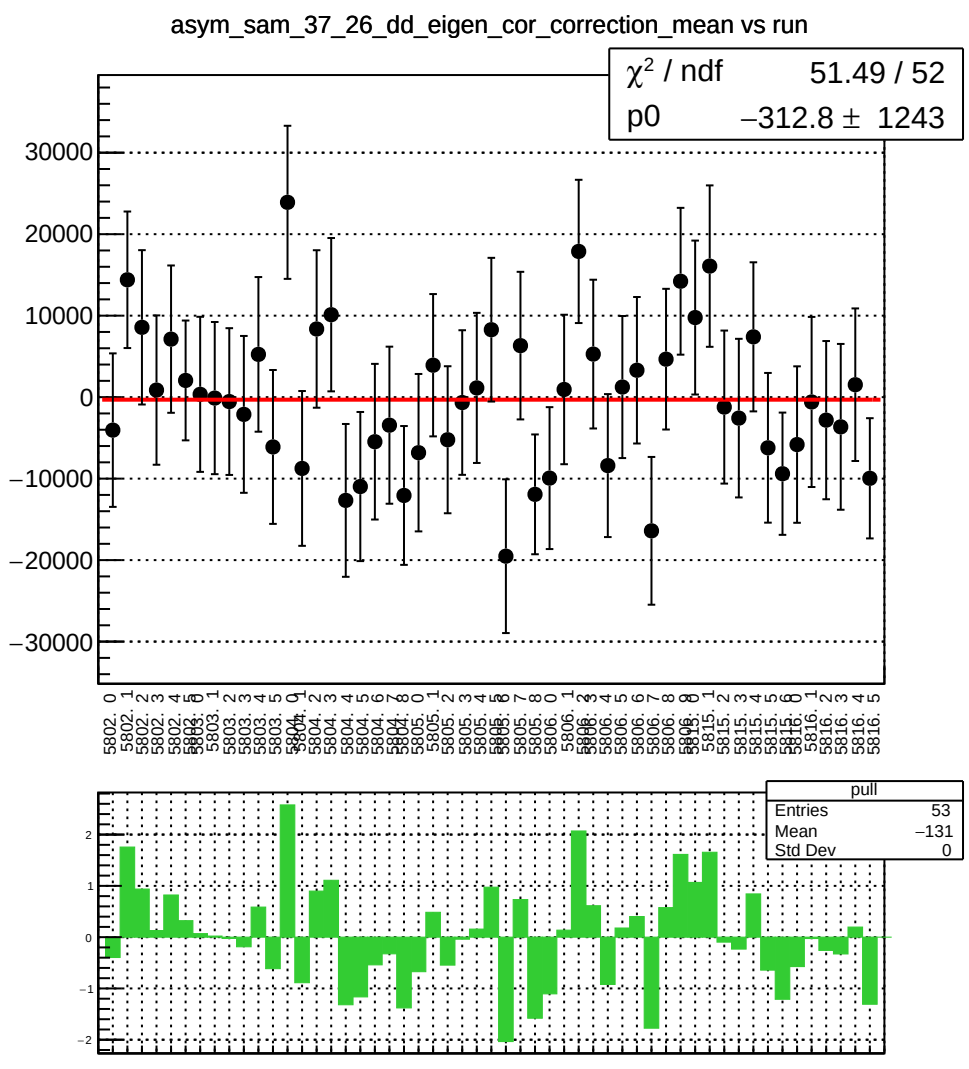

pull1D
Entries 53
Mean 0.01395
Std Dev 0.9856
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

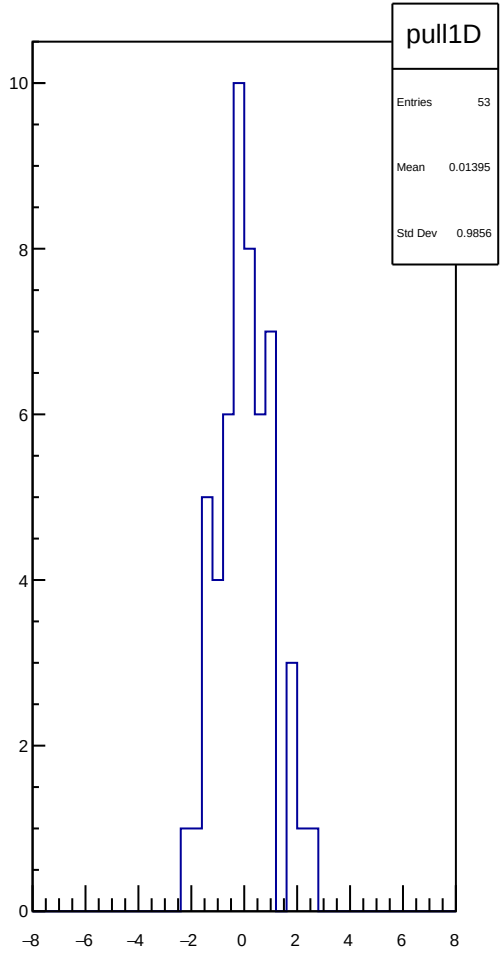

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1669 / 52
p0 878.9 ± 0.8789
1000
950
900
850
800

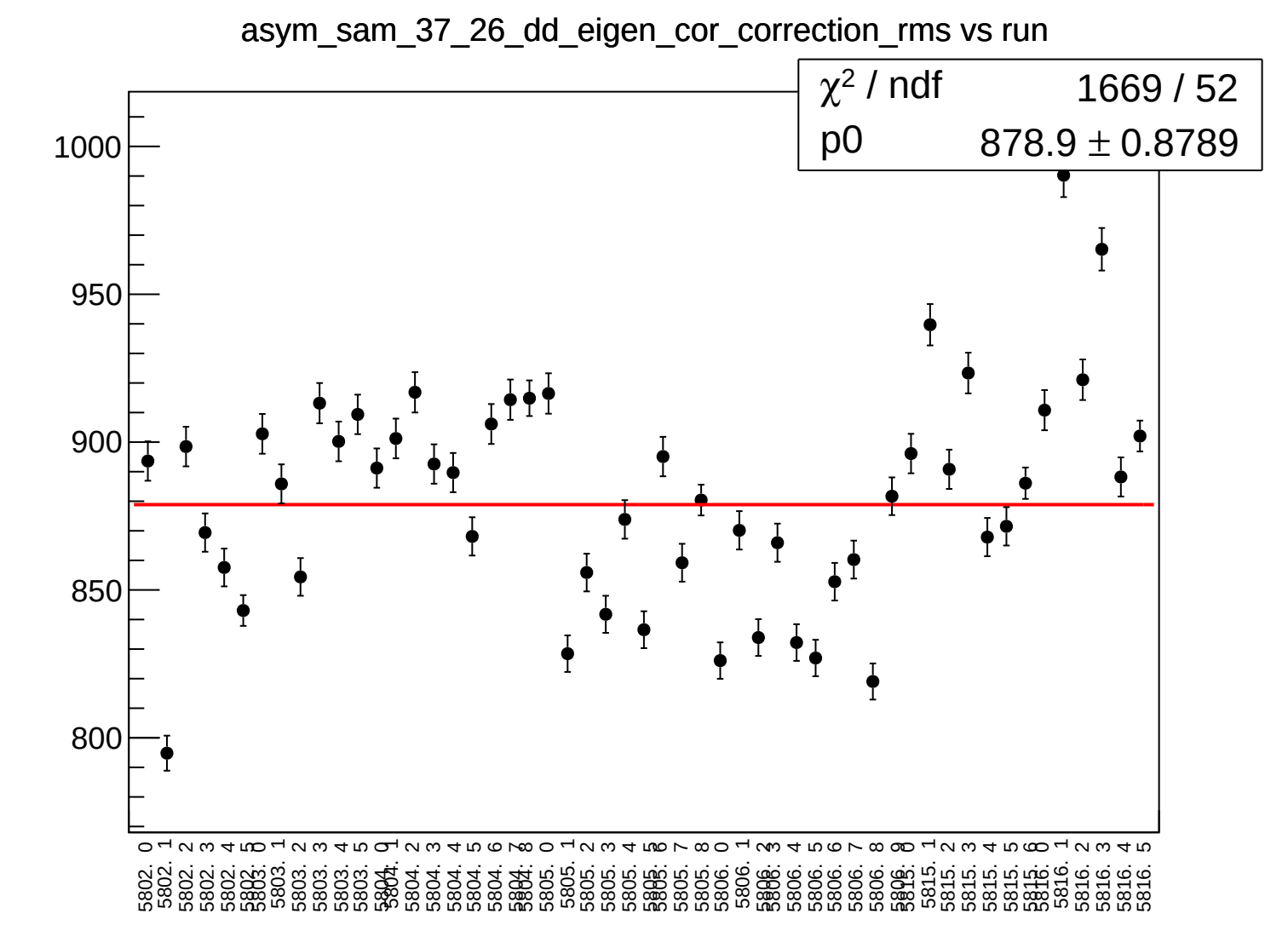

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.29 / 52
p0 −153.9 ± 145.1
pull
Entries 53
Mean −364
Std Dev 0

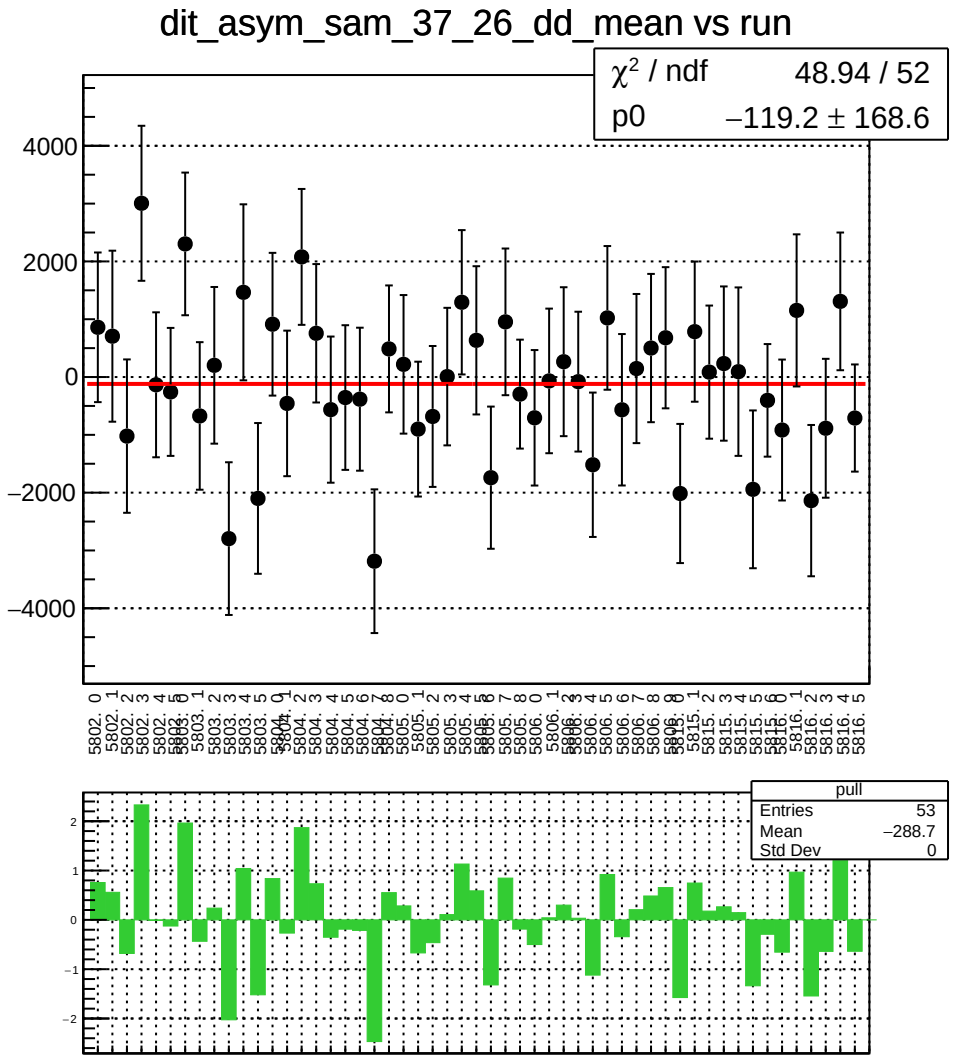

pull1D
Entries 53
Mean 0.003444
Std Dev 1.021

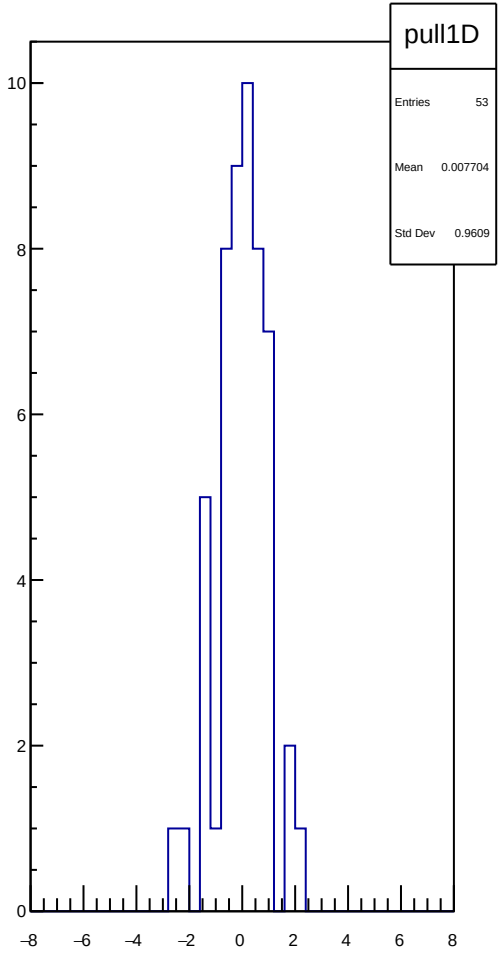

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 2543 / 52
p0 102.6 ± 0.1026
120
115
110
105
100
95

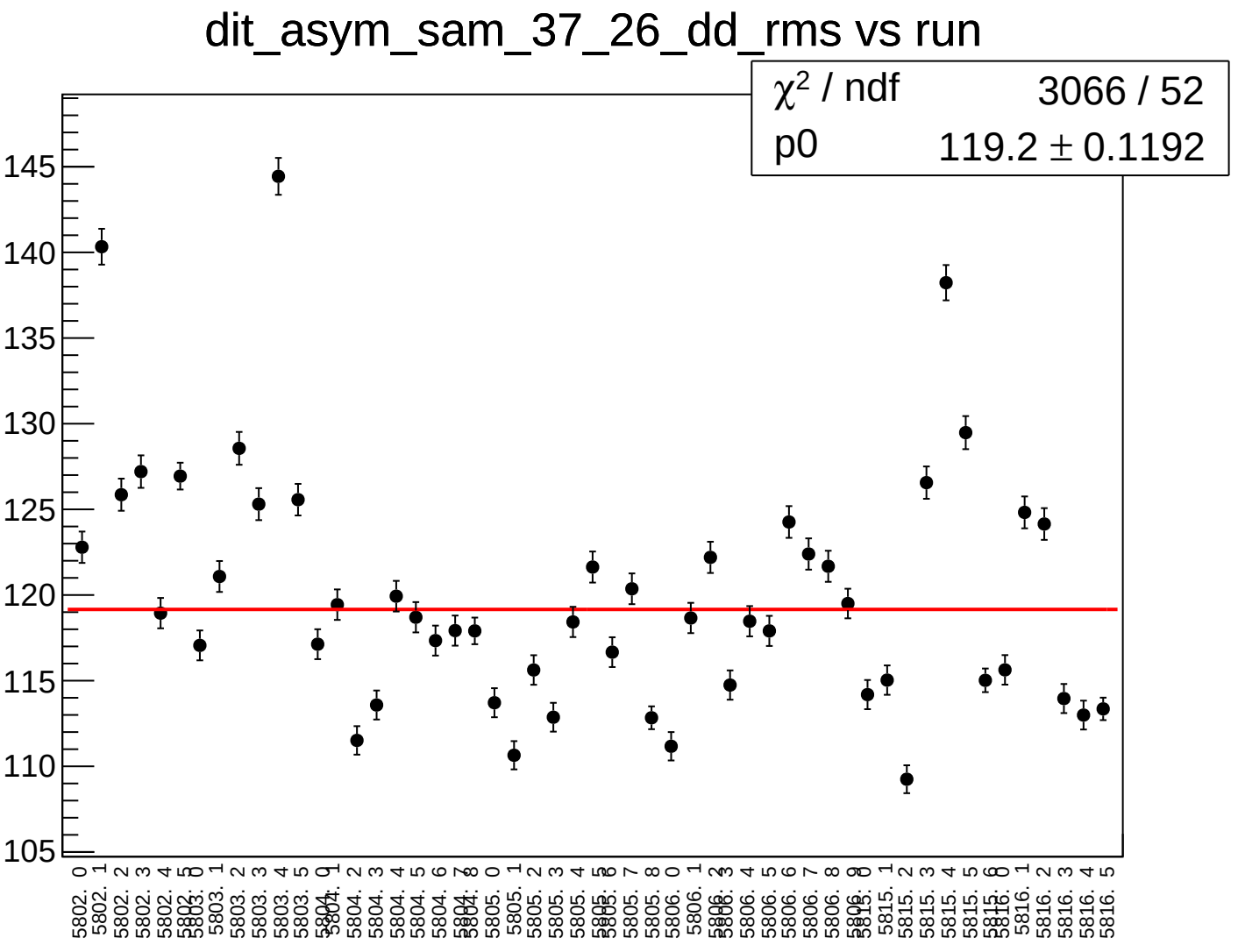

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.49 / 52
p0 −312.8 ± 1243
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −131
Std Dev 0
2
1
0
−1
−2

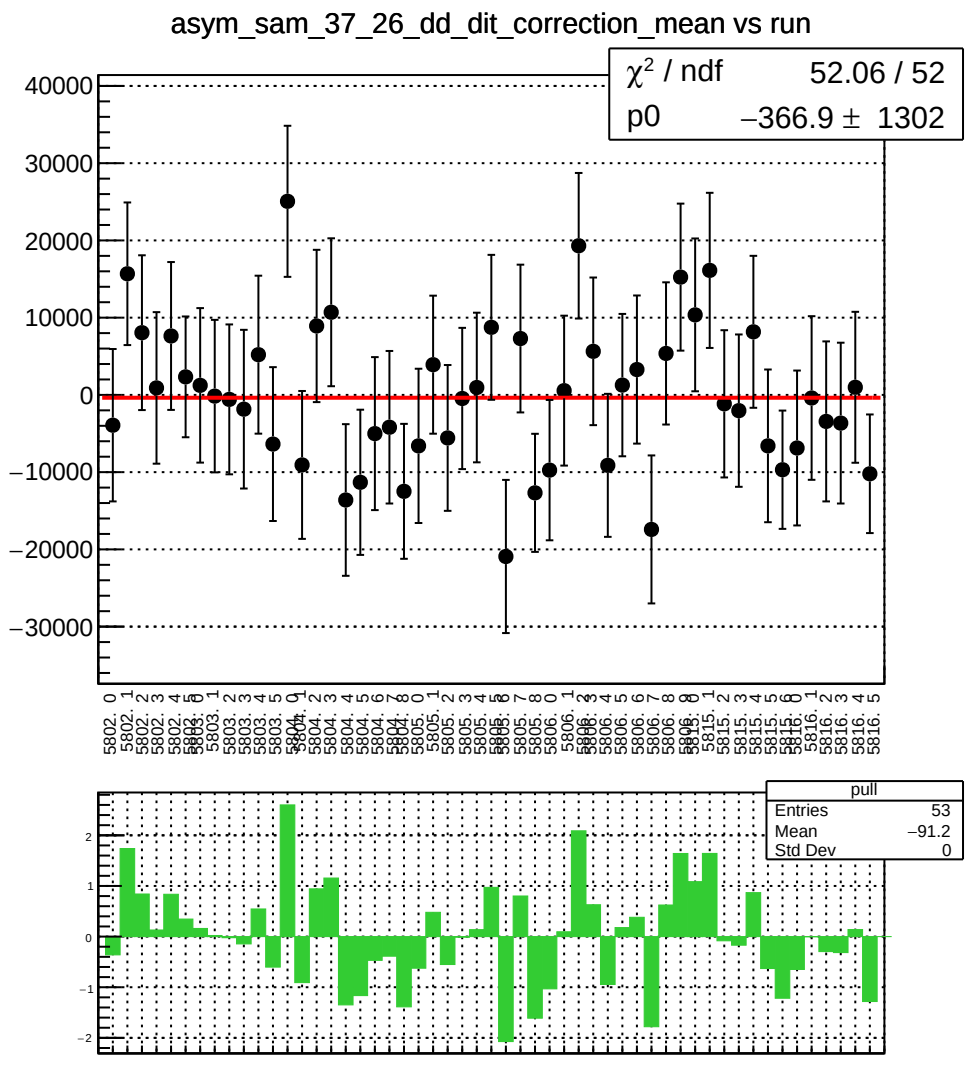

pull1D
Entries 53
Mean 0.01395
Std Dev 0.9856
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

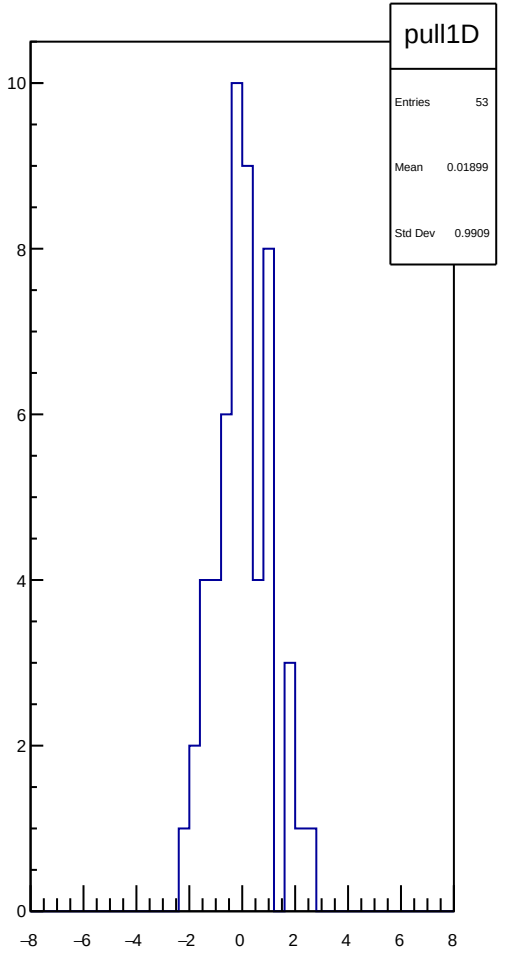

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1669 / 52
p0 878.9 ± 0.8789
1000
950
900
850
800

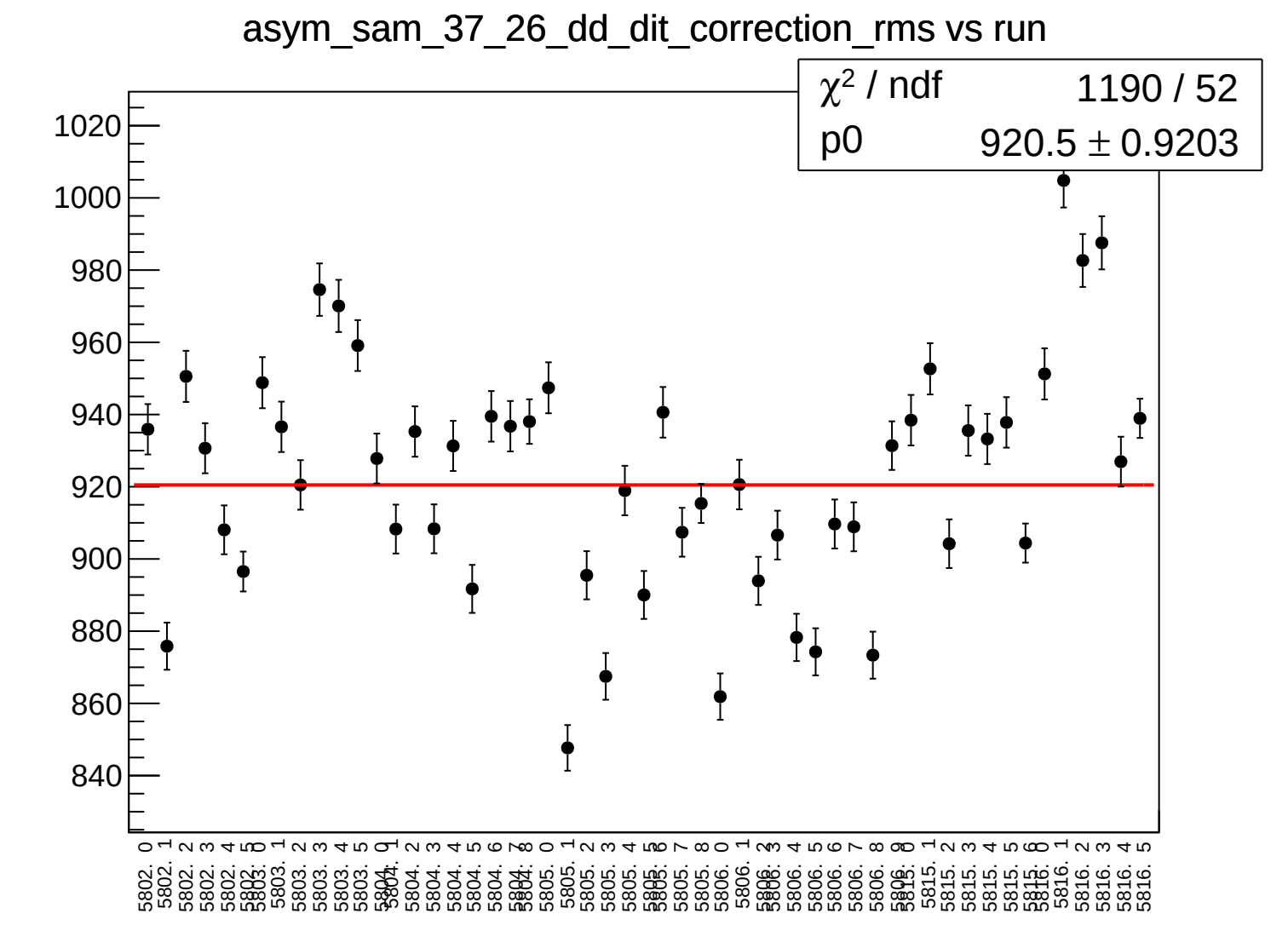

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 48.94 / 52
p0 −119.2 ± 168.6
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −288.7
Std Dev 0
2
1
0
−1
−2

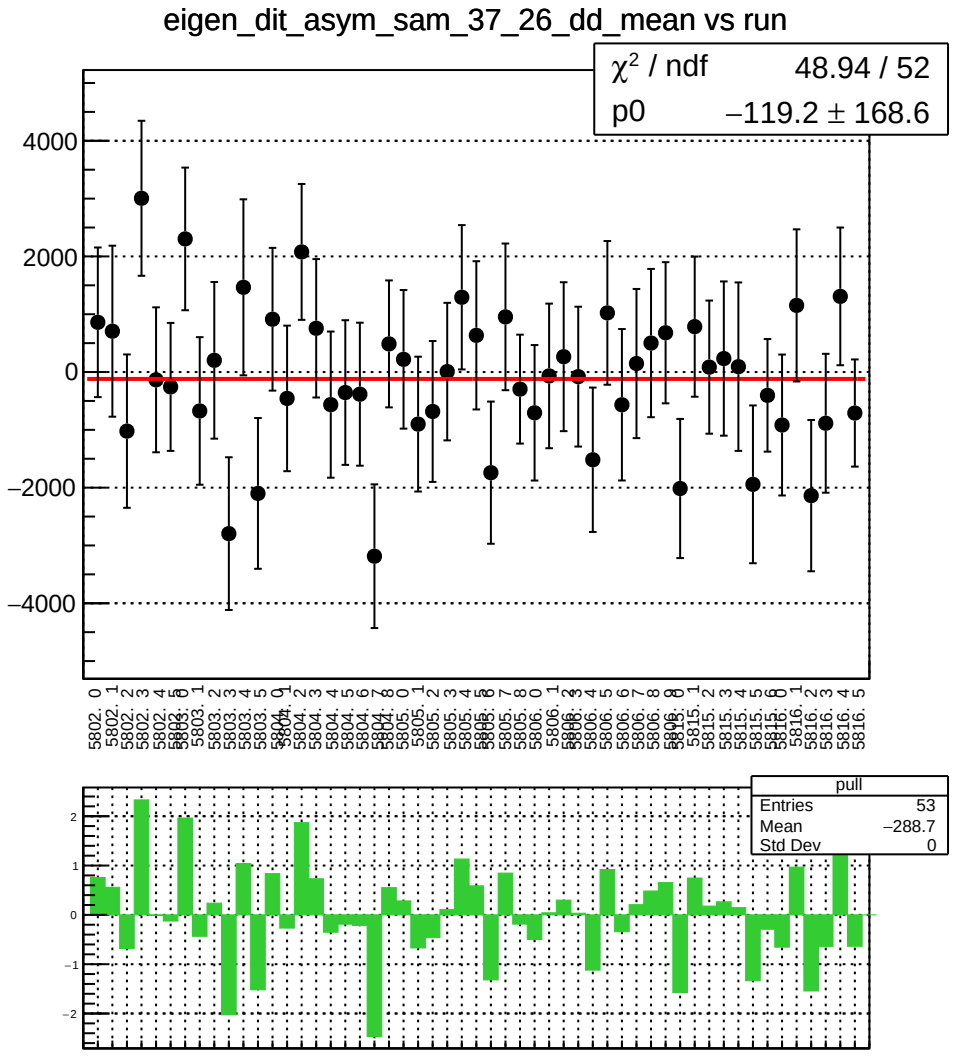

pull1D
Entries 53
Mean 0.007704
Std Dev 0.9609
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

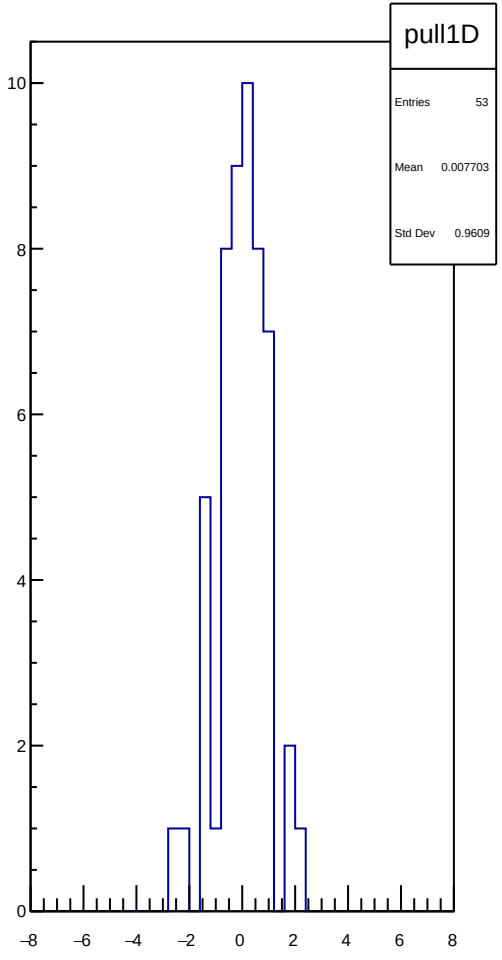

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3066 / 52
p0 119.2 ± 0.1192
145
140
135
130
125
120
115
110
105

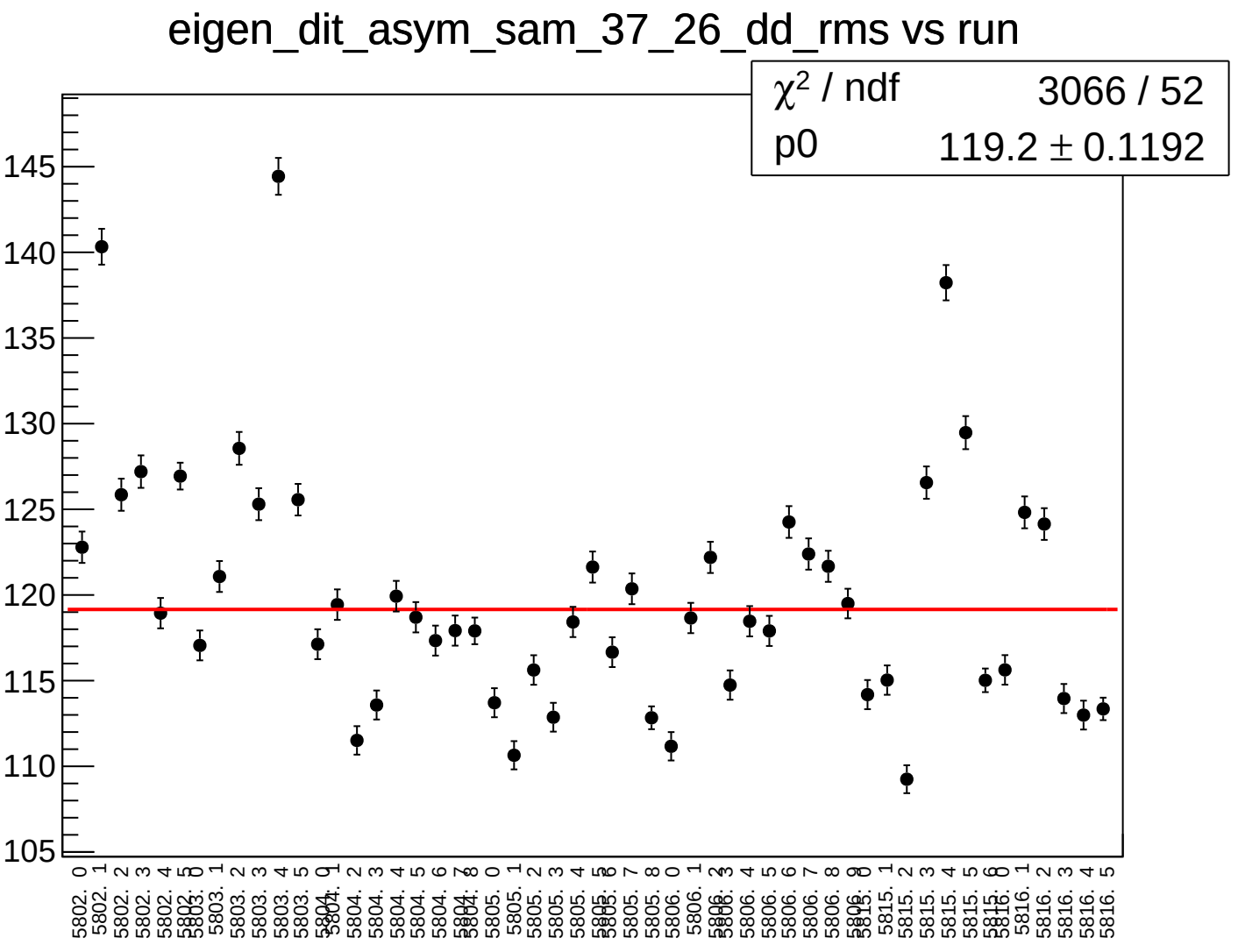

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 52.06 / 52
p0 −366.9 ± 1302
pull
Entries 53
Mean −91.2
Std Dev 0

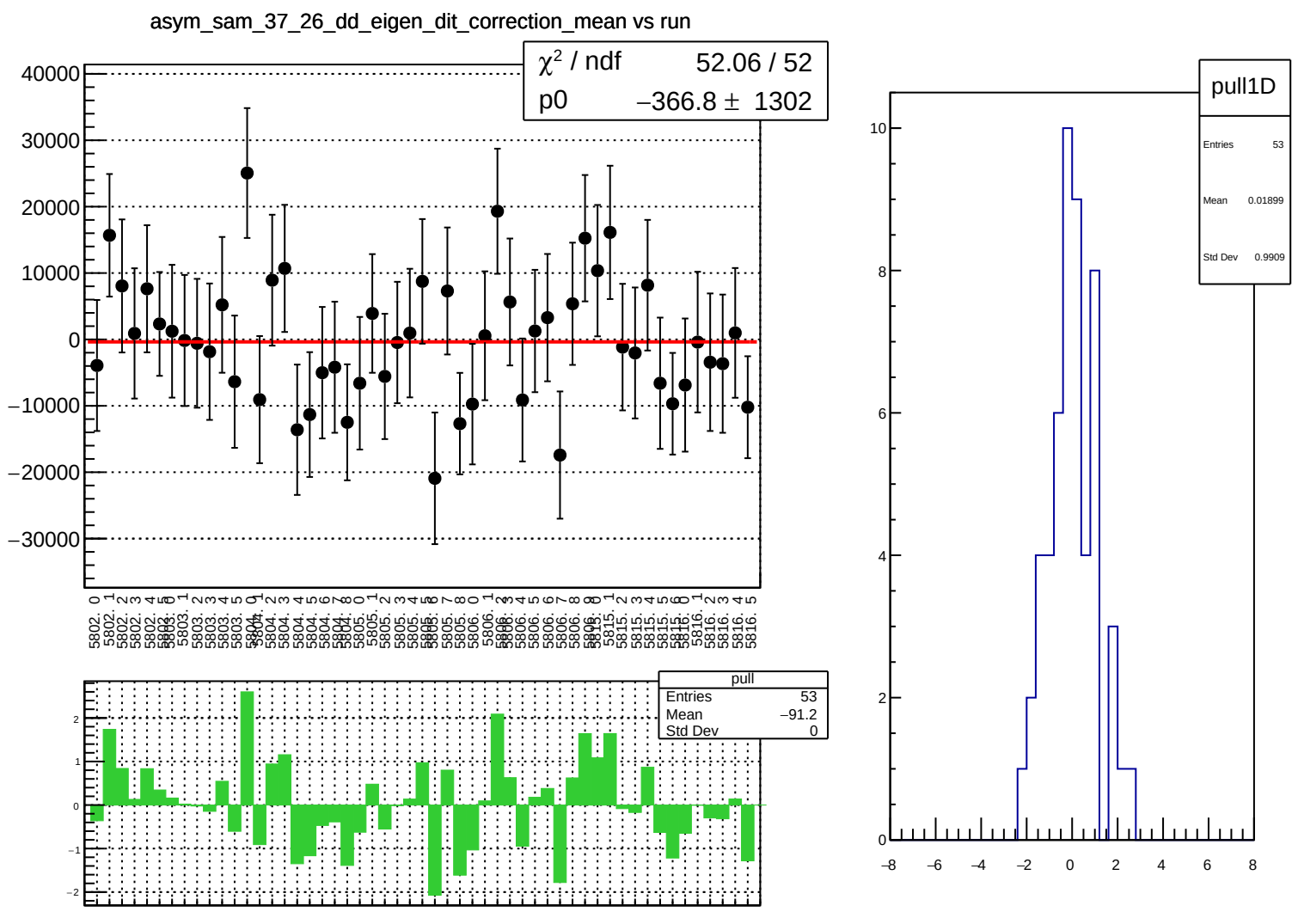

pull1D
Entries 53
Mean 0.01899
Std Dev 0.9909

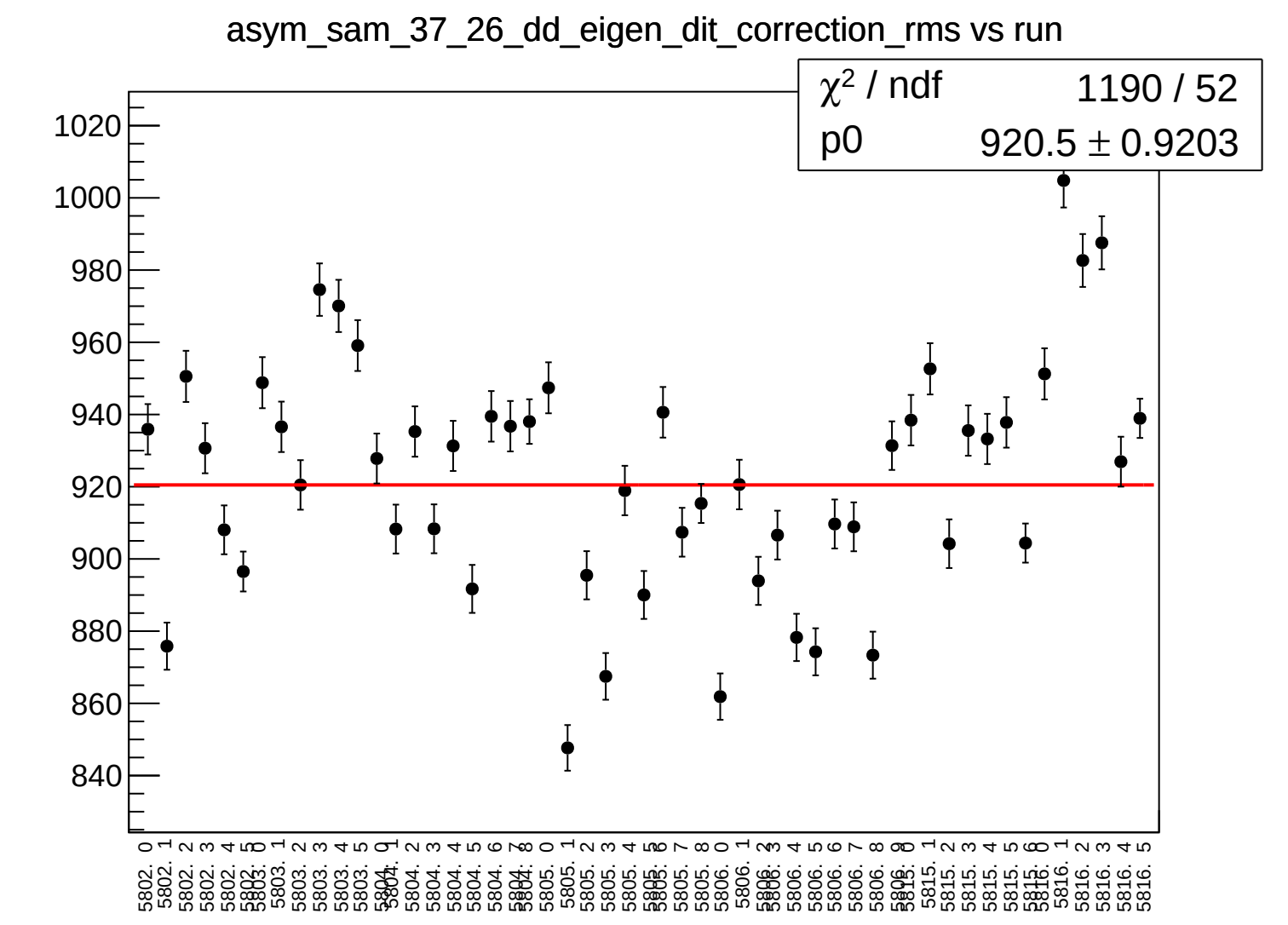

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1190 / 52
p0 920.5 ± 0.9203
1020
1000
980
960
940
920
900
880
860
840

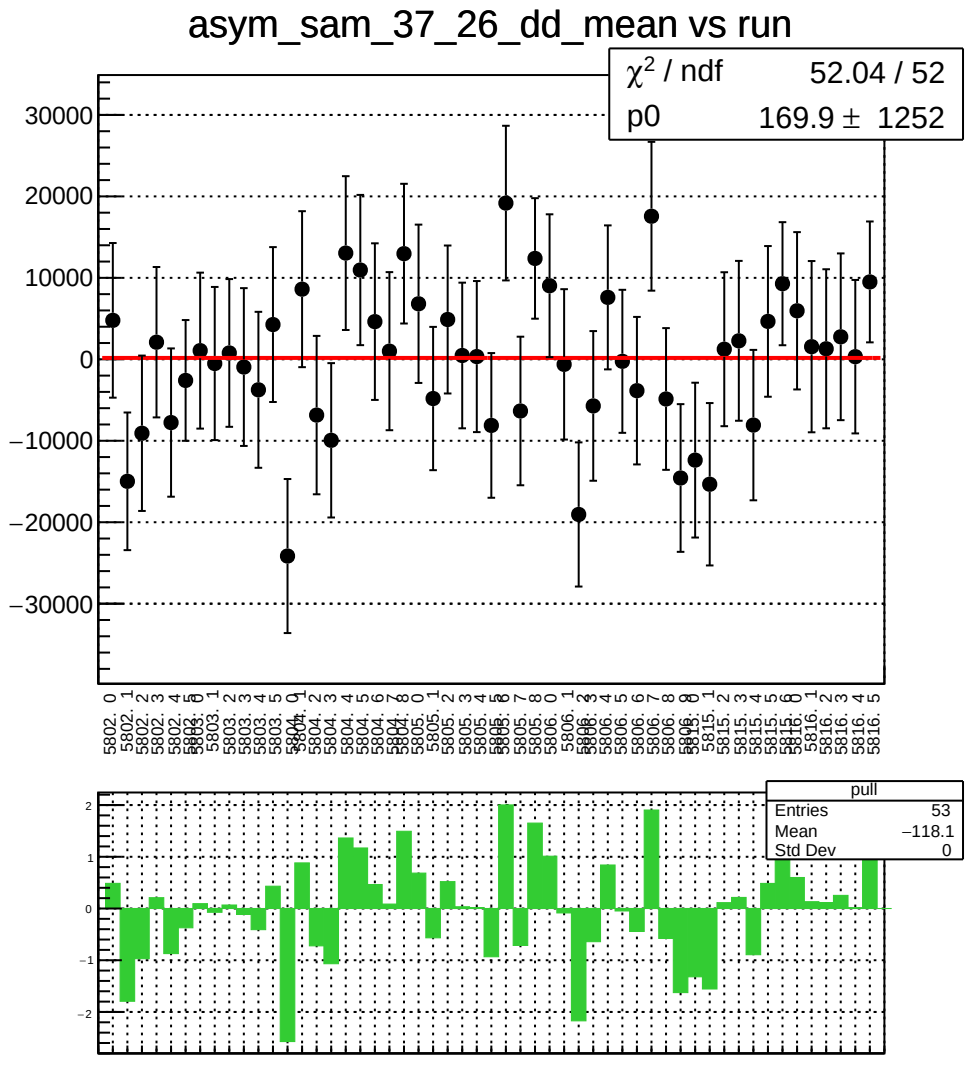

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 48.94 / 52
p0 −119.2 ± 168.6
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −288.7
Std Dev 0
2
1
0
−1
−2

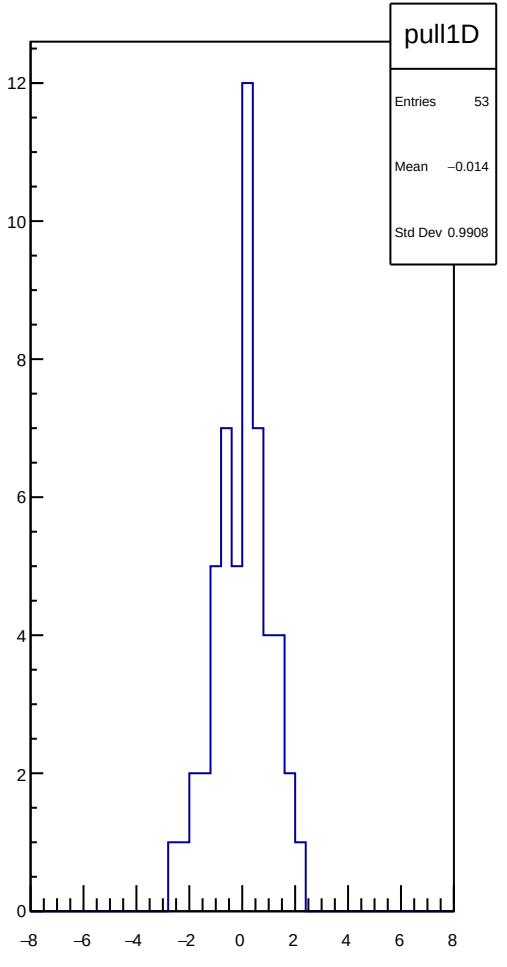

pull1D
Entries 53
Mean 0.007703
Std Dev 0.9609
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

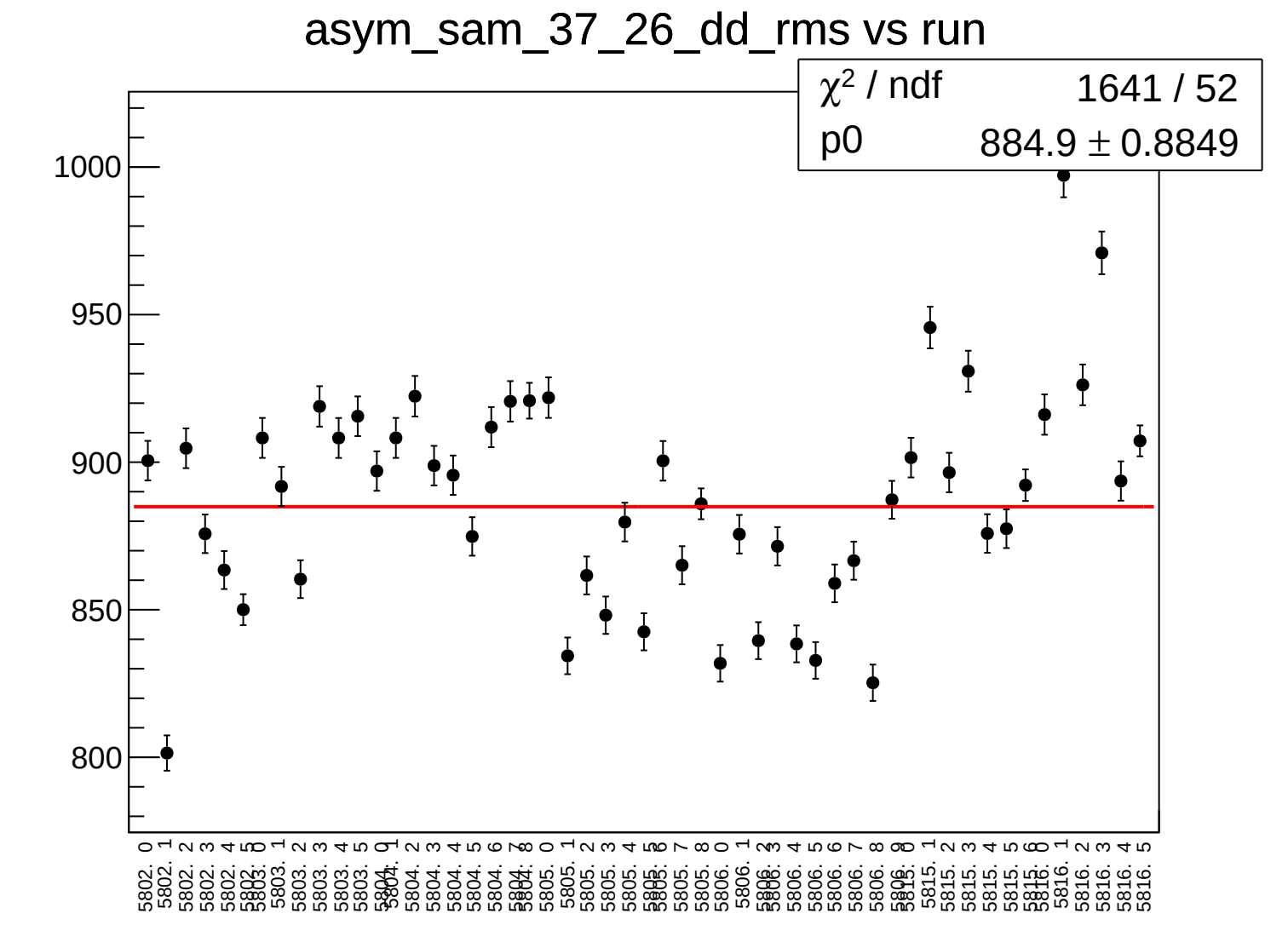

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3066 / 52
p0 119.2 ± 0.1192
145
140
135
130
125
120
115
110
105

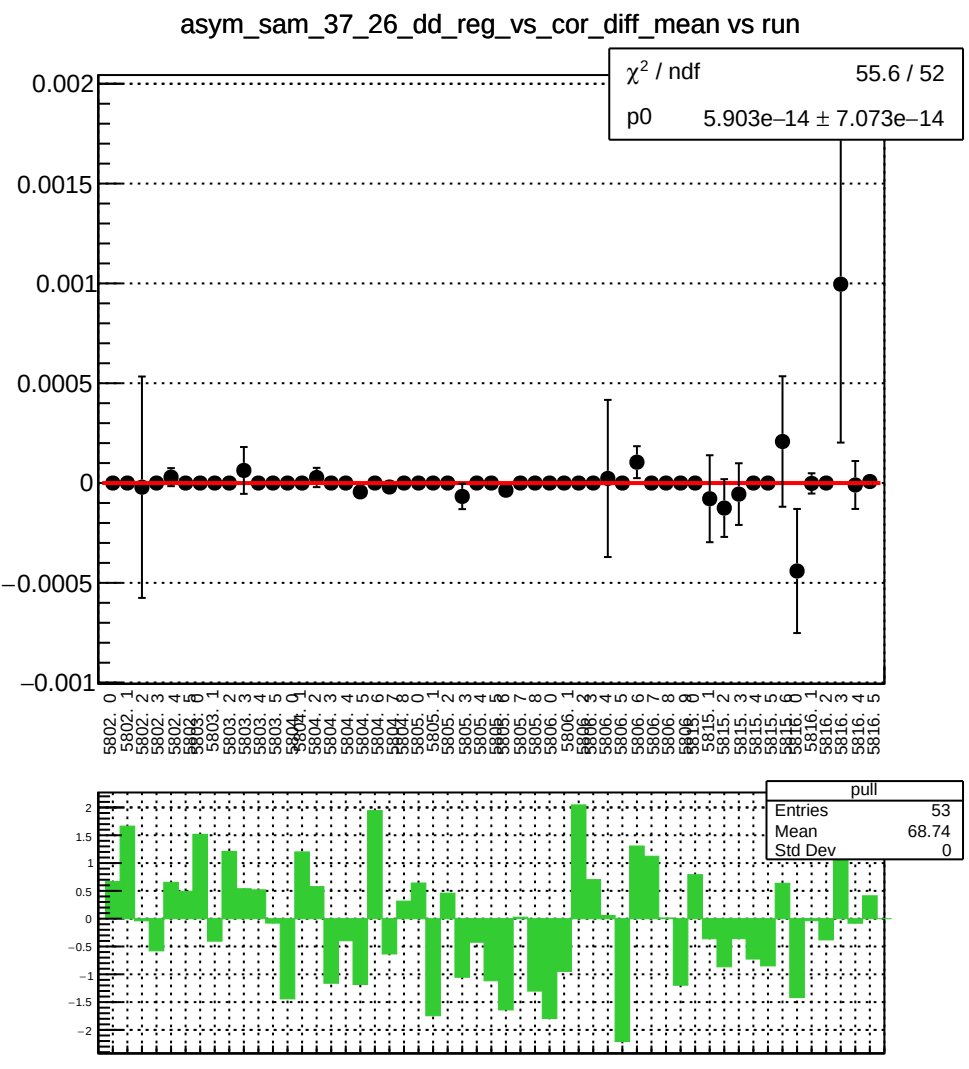

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 52.06 / 52
p0 −366.8 ± 1302
pull
Entries 53
Mean −91.2
Std Dev 0
pull1D
Entries 53
Mean 0.01899
Std Dev 0.9909

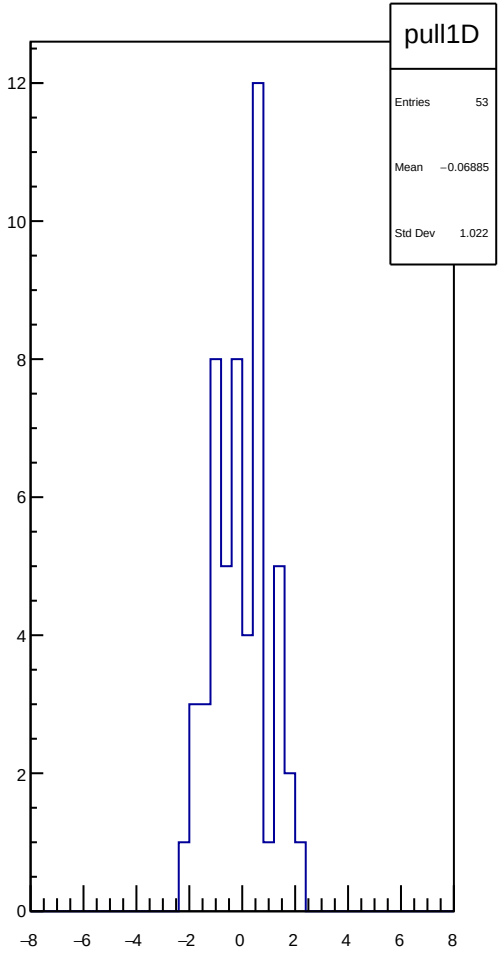

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1190 / 52
p0 920.5 ± 0.9203
1020
1000
980
960
940
920
900
880
860
840

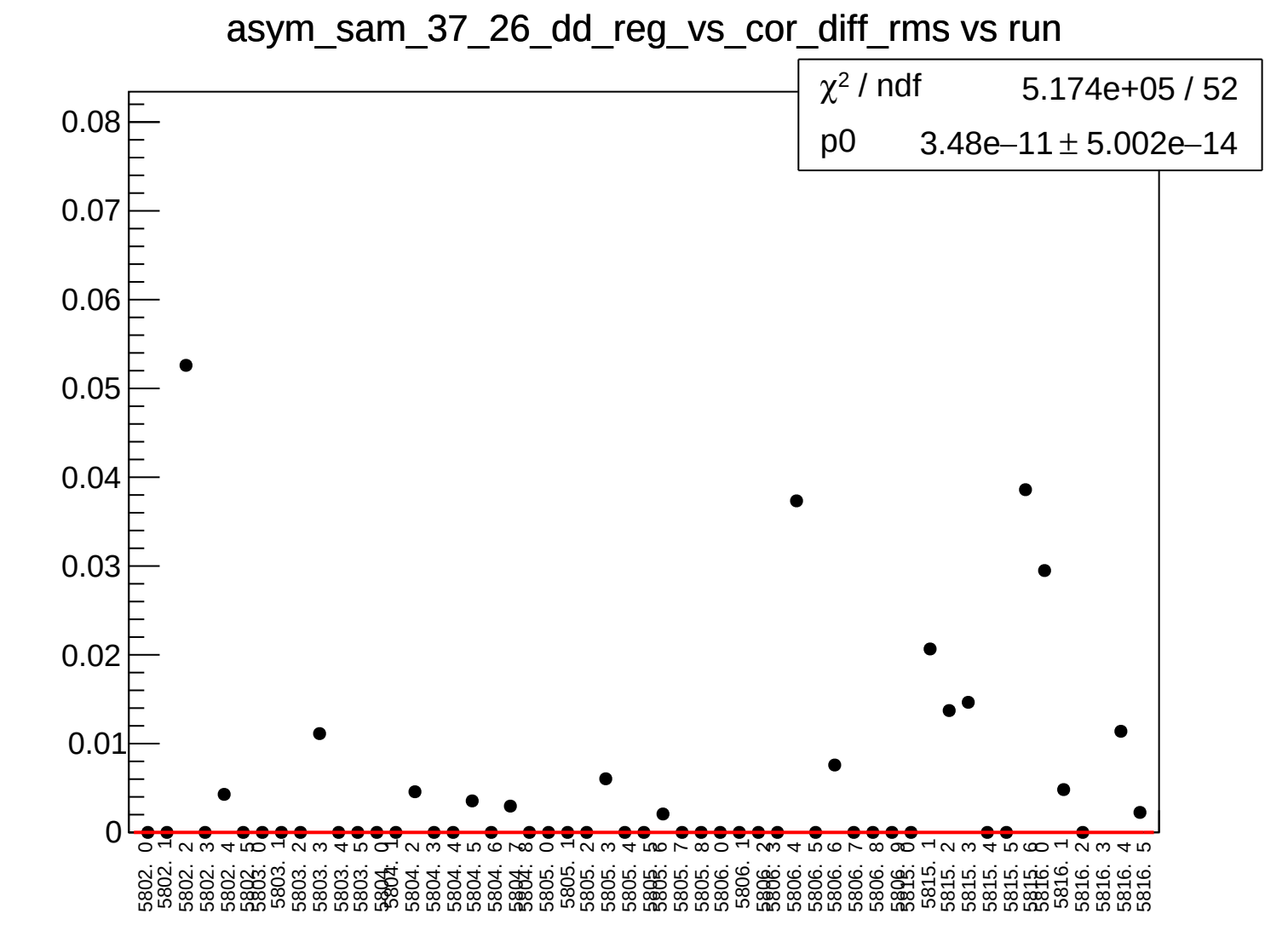

asym_sam_37_26_dd_mean vs run
χ² / ndf 52.04 / 52
p0 169.9 ± 1252
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −118.1
Std Dev 0
2
1
0
−1
−2

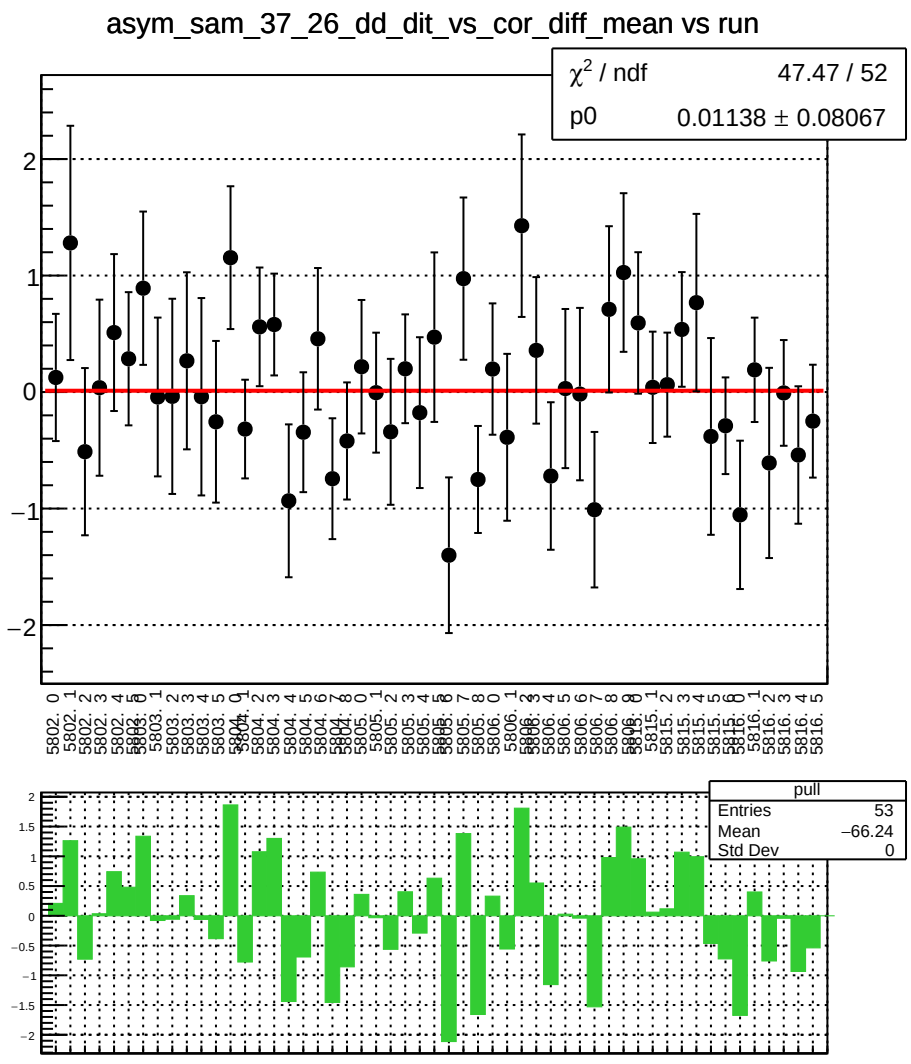

pull1D
Entries 53
Mean −0.014
Std Dev 0.9908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

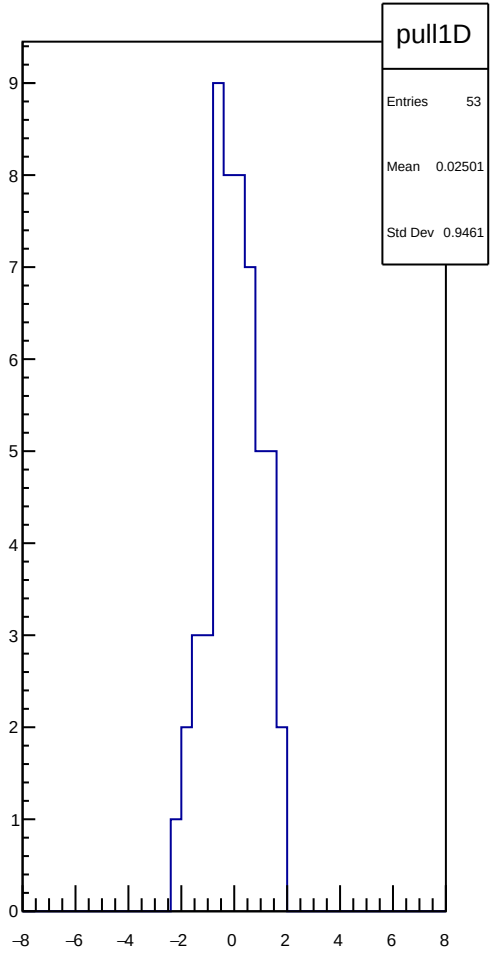

asym_sam_37_26_dd_rms vs run
χ² / ndf 1641 / 52
p0 884.9 ± 0.8849
1000
950
900
850
800

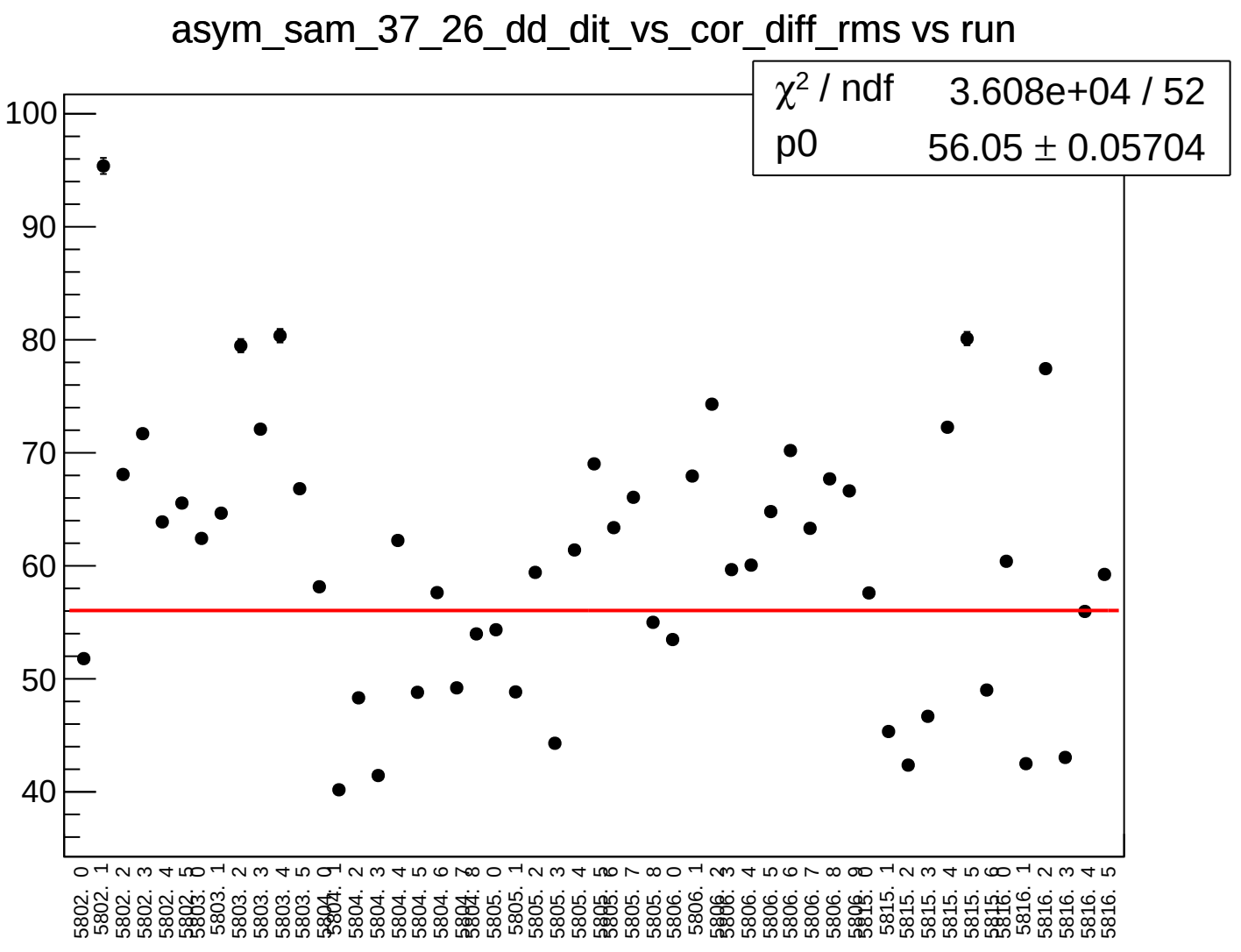

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.6 / 52
p0 5.903e−14 ± 7.073e−14
pull
Entries 53
Mean 68.74
Std Dev 0

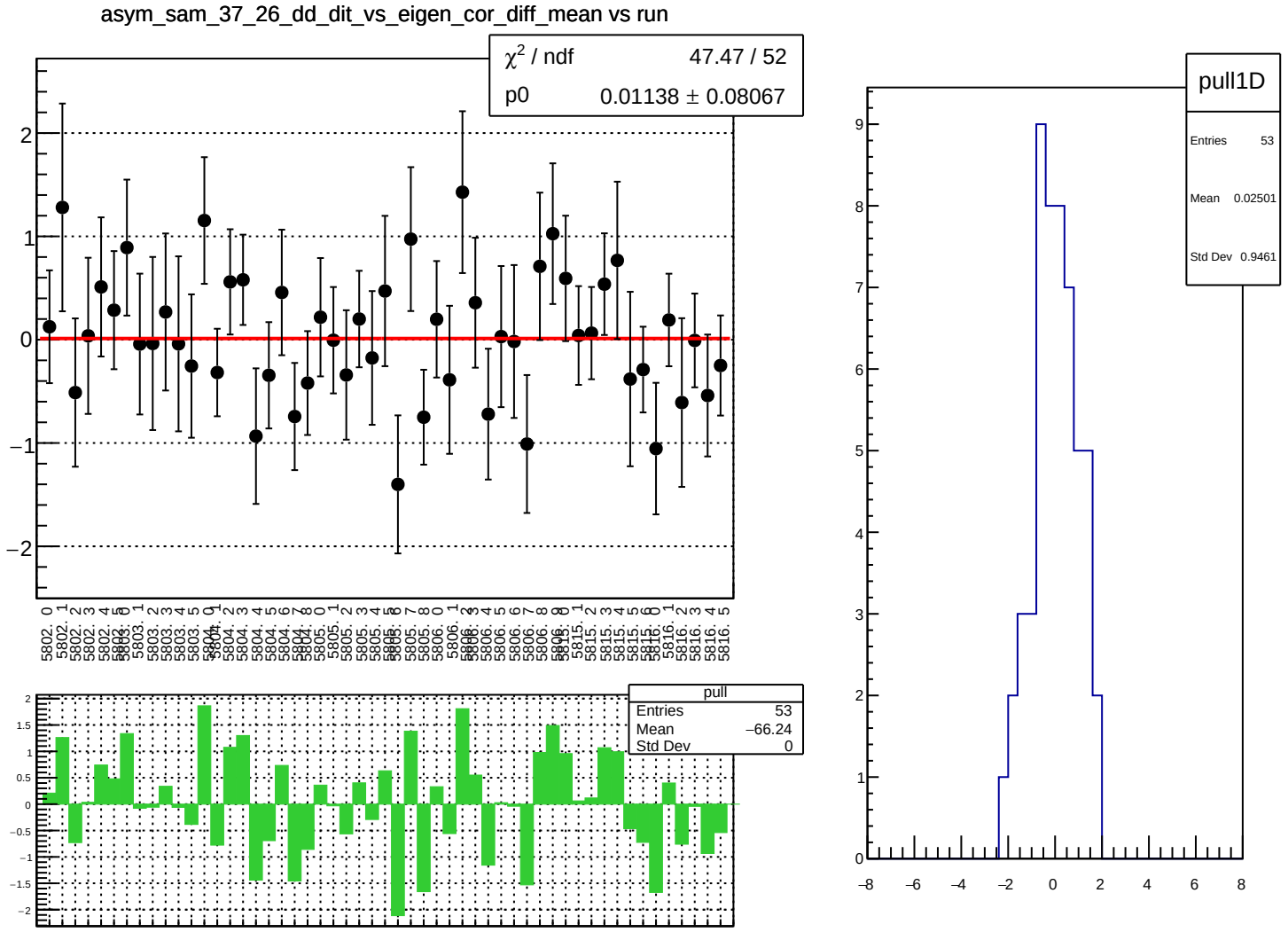

pull1D
Entries 53
Mean −0.06885
Std Dev 1.022

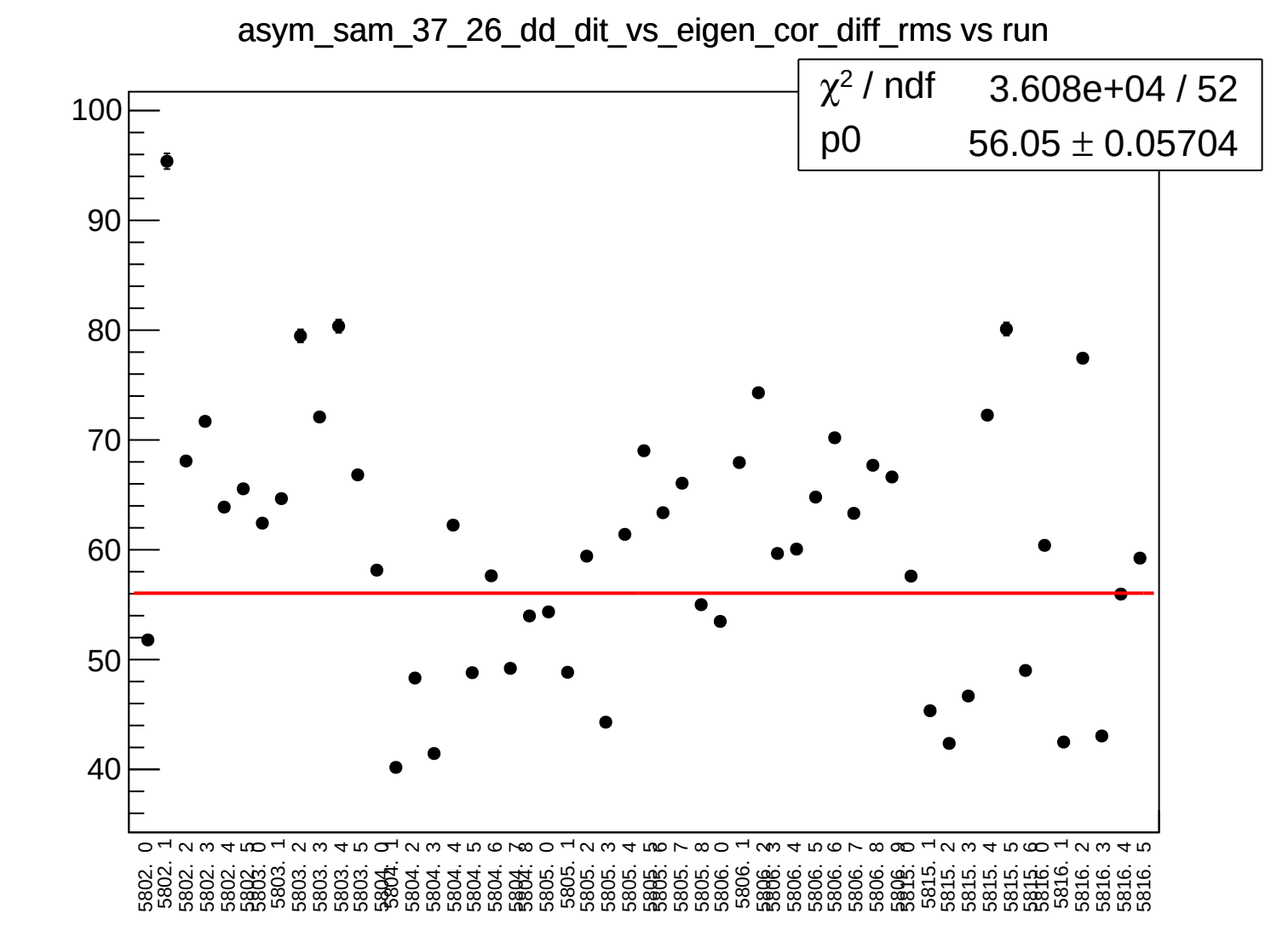

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.174e+05 / 52
p0 3.48e−11 ± 5.002e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

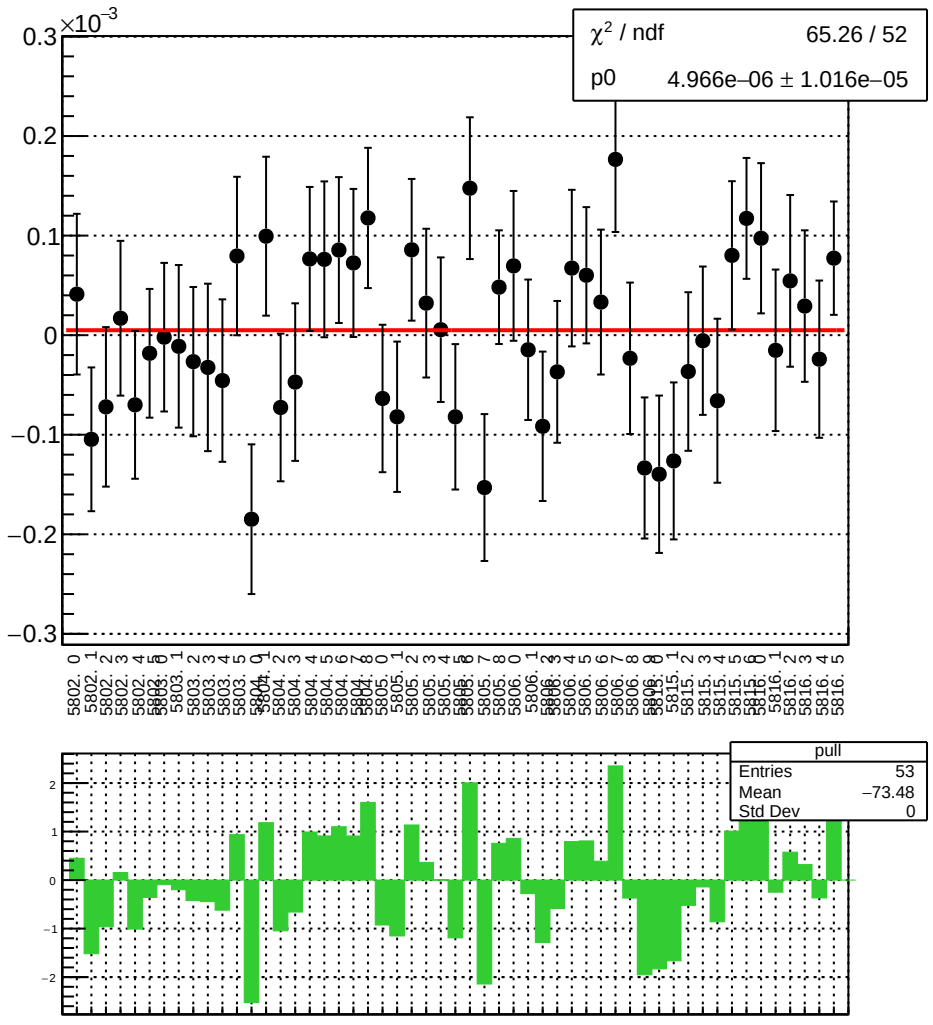

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.47 / 52
p0 0.01138 ± 0.08067
pull
Entries 53
Mean −66.24
Std Dev 0

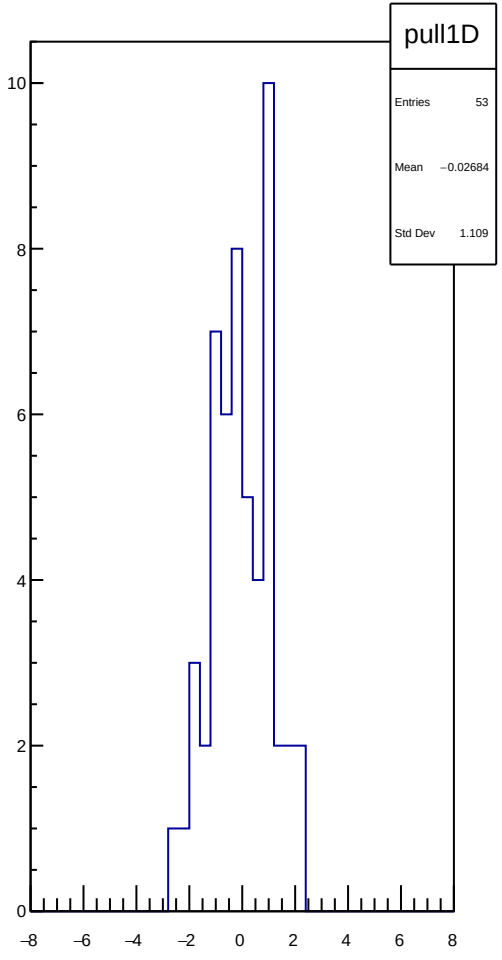

pull1D
Entries 53
Mean 0.02501
Std Dev 0.9461

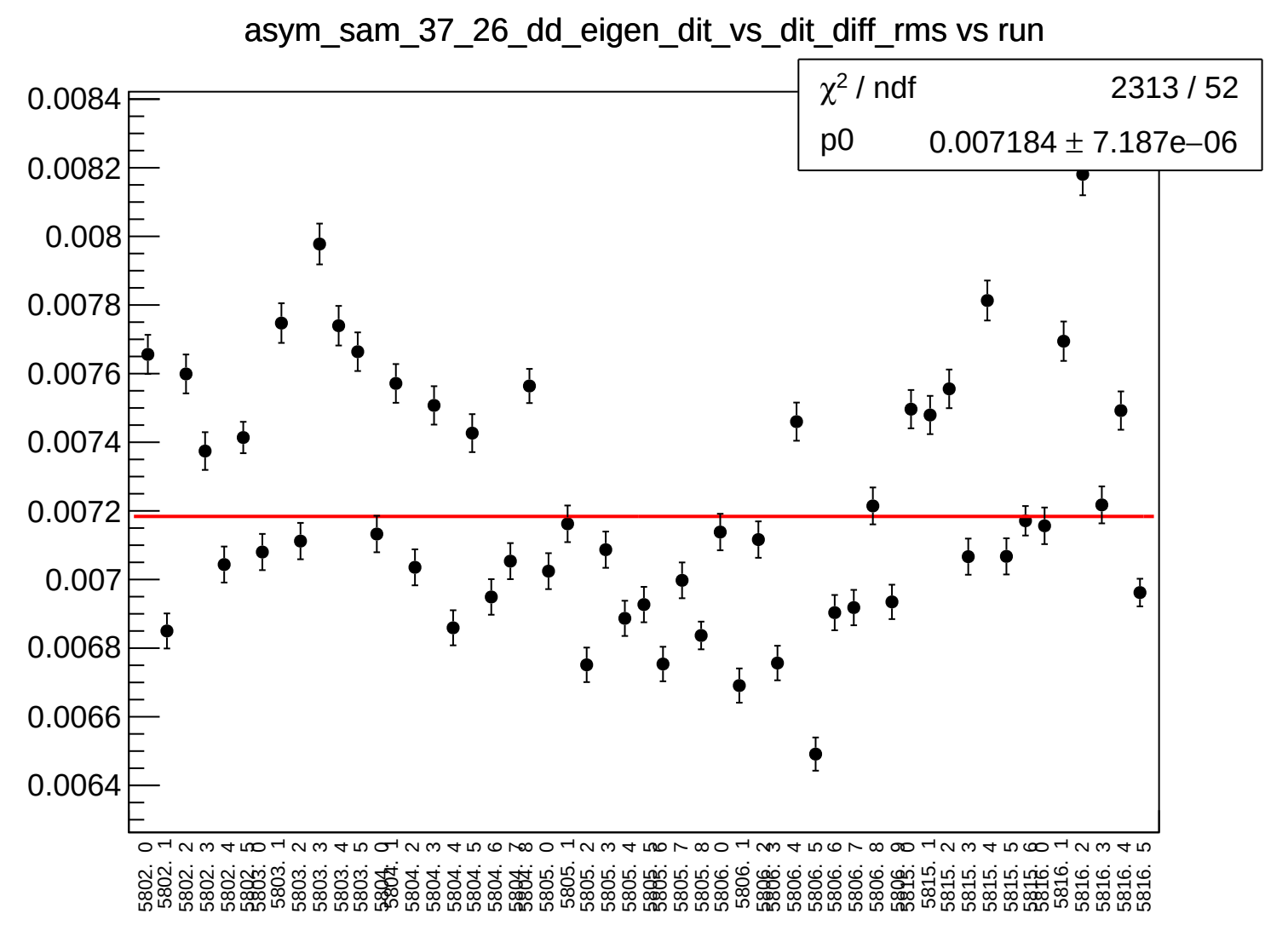

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.608e+04 / 52
p0 56.05 ± 0.05704
100
90
80
70
60
50
40

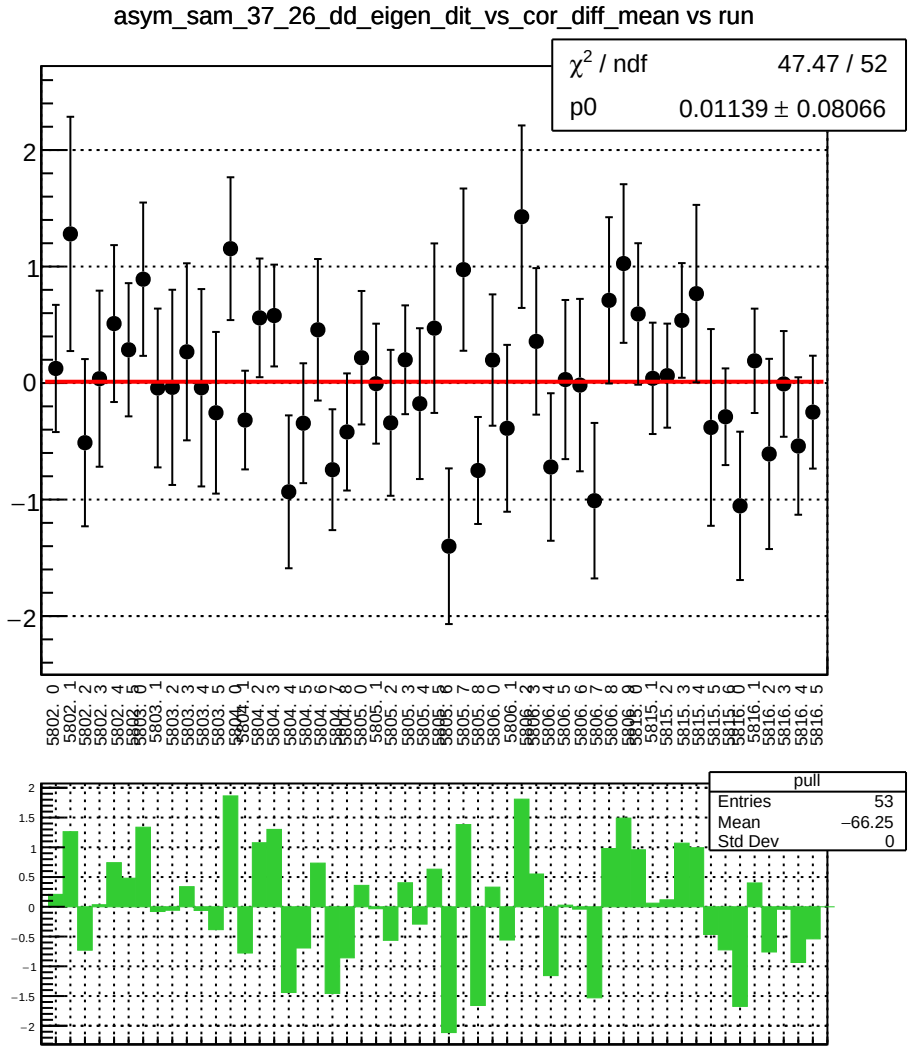

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.47 / 52
p0 0.01138 ± 0.08067
pull
Entries 53
Mean −66.24
Std Dev 0
pull1D
Entries 53
Mean 0.02501
Std Dev 0.9461

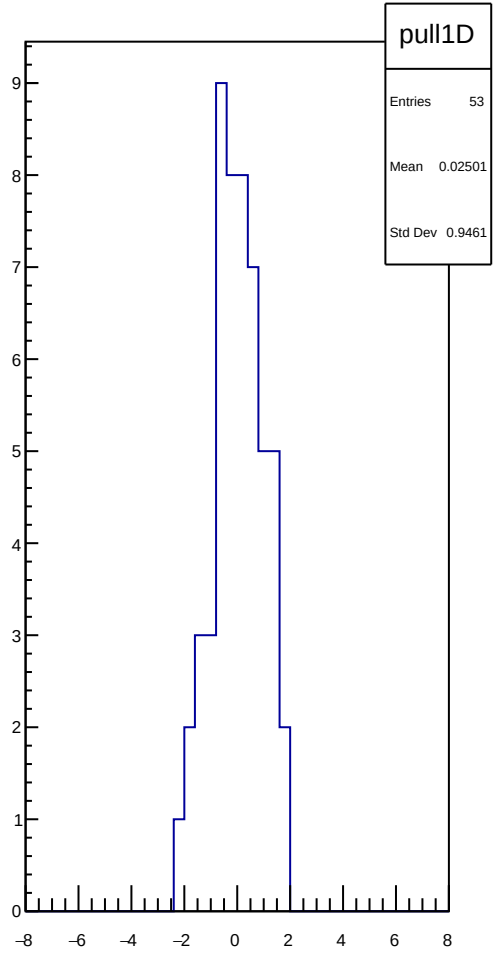

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.608e+04 / 52
p0 56.05 ± 0.05704
100
90
80
70
60
50
40

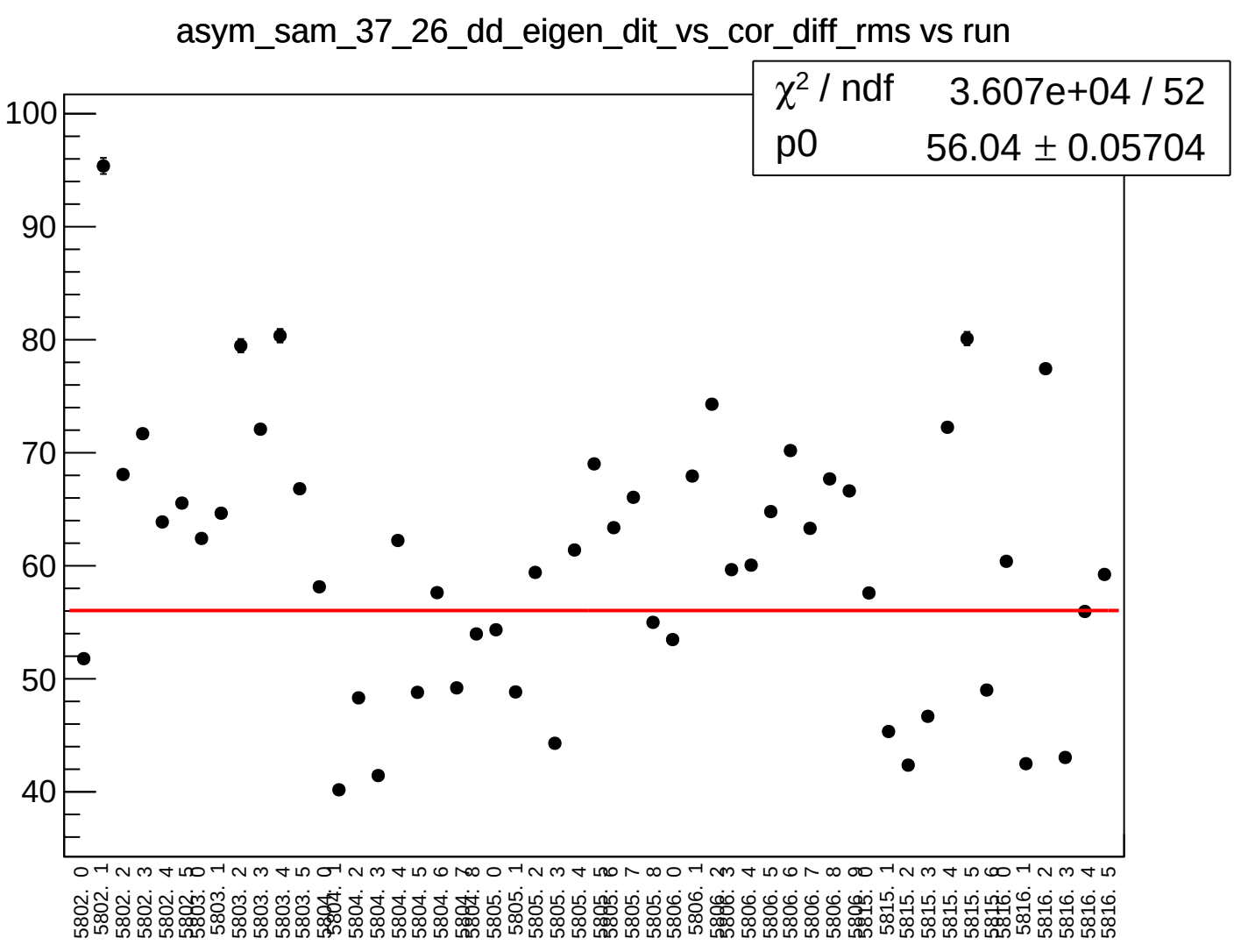

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.26 / 52
p0 4.966e−06 ± 1.016e−05
pull
Entries 53
Mean −73.48
Std Dev 0


pull1D
Entries 53
Mean −0.02684
Std Dev 1.109

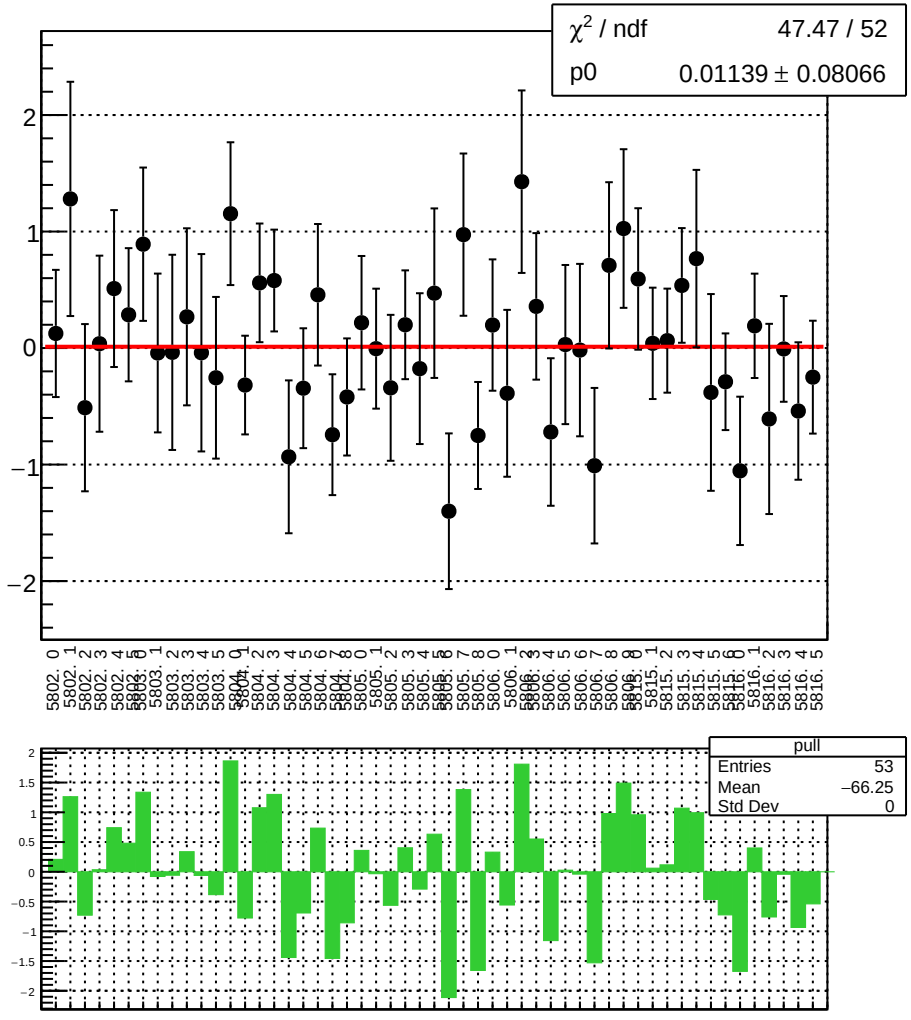

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2313 / 52
p0 0.007184 ± 7.187e−06
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

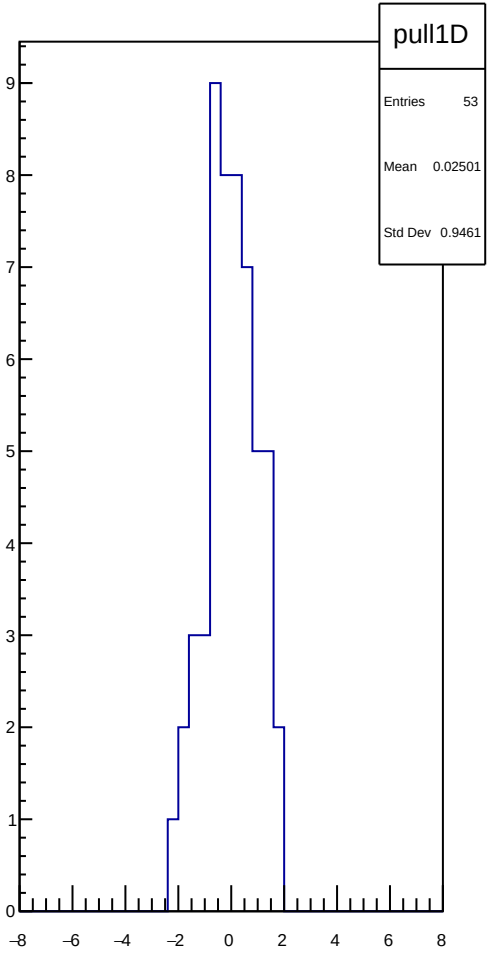

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.47 / 52
p0 0.01139 ± 0.08066
pull
Entries 53
Mean −66.25
Std Dev 0

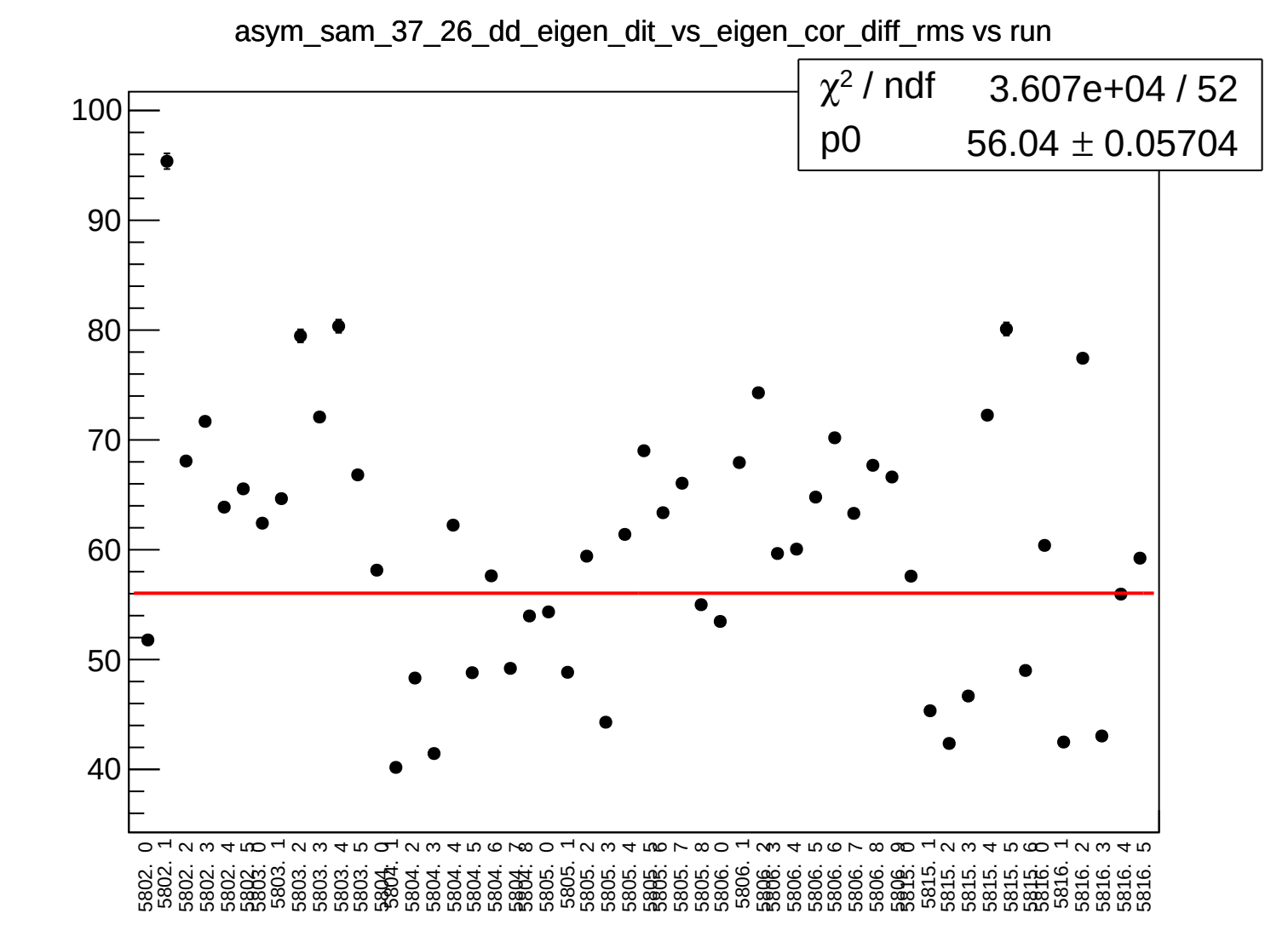

pull1D
Entries 53
Mean 0.02501
Std Dev 0.9461

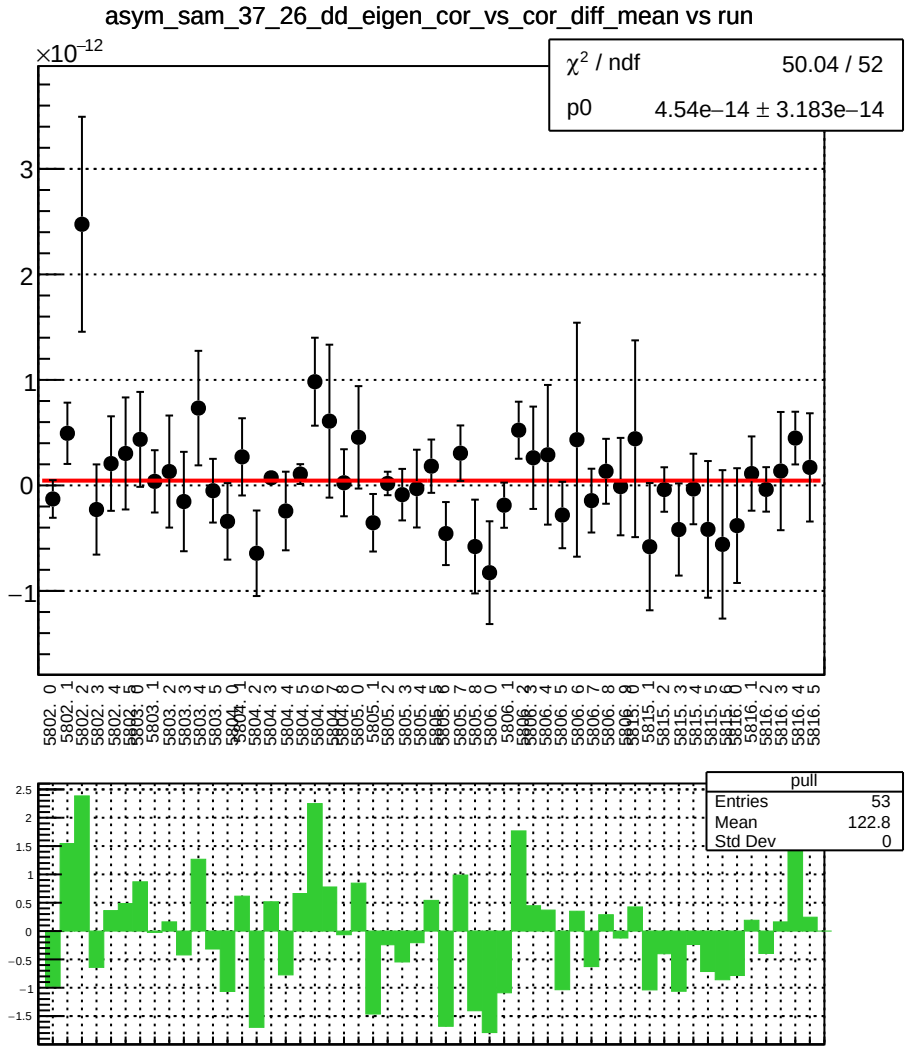

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.607e+04 / 52
p0 56.04 ± 0.05704
100
90
80
70
60
50
40

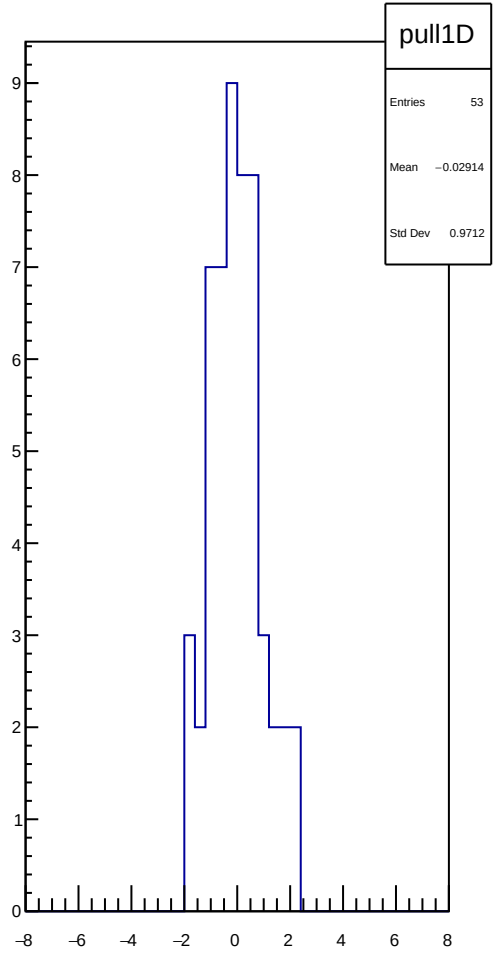
asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

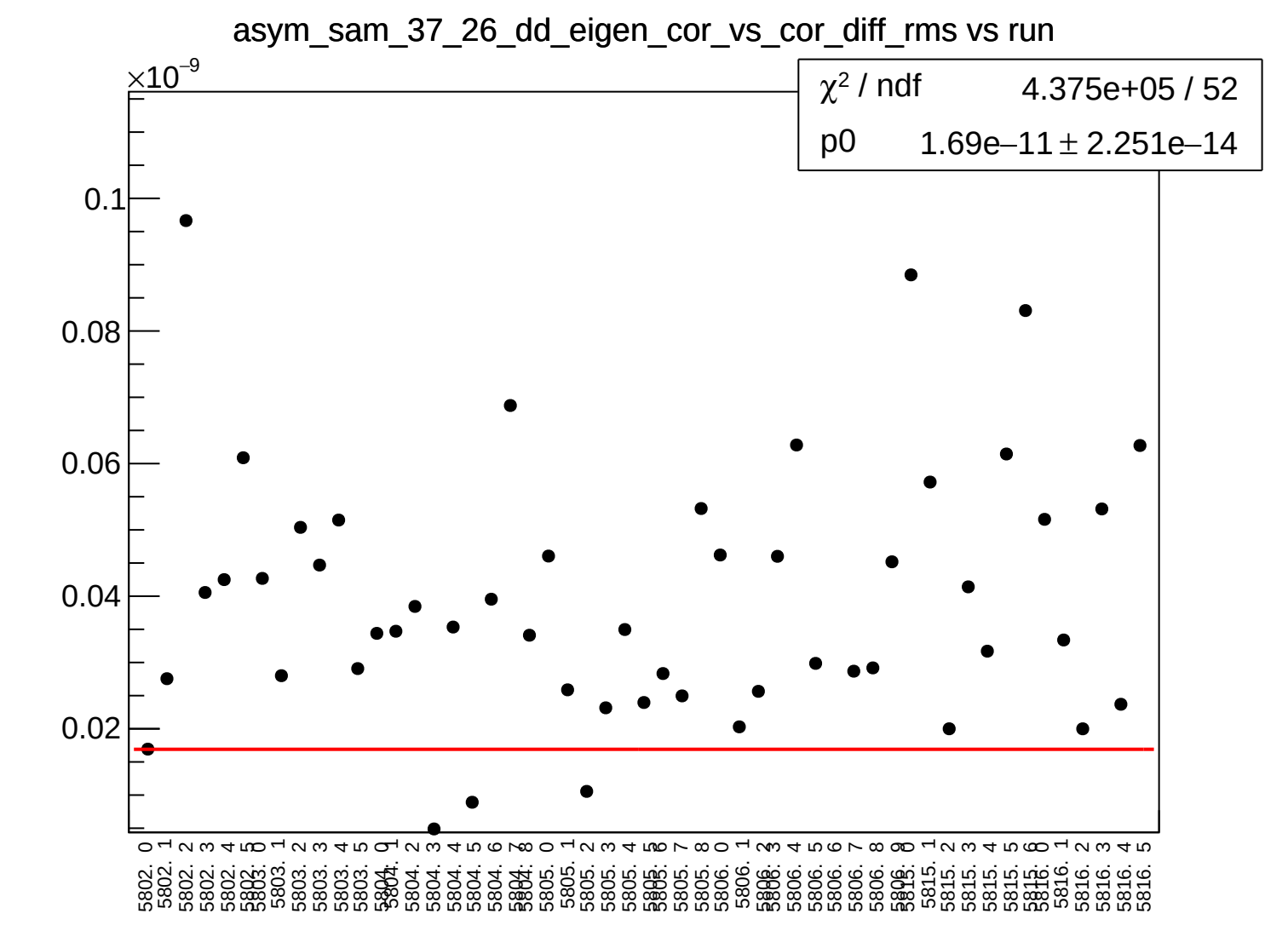


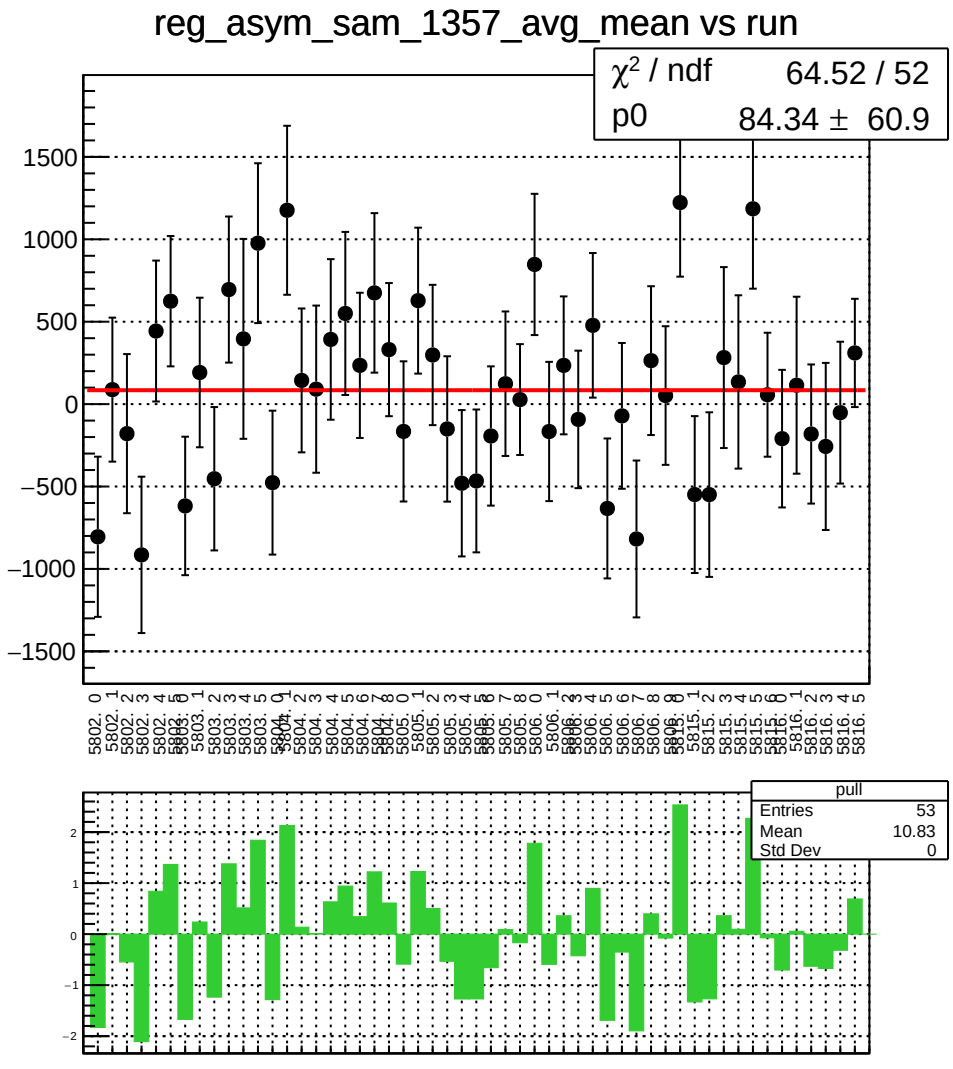


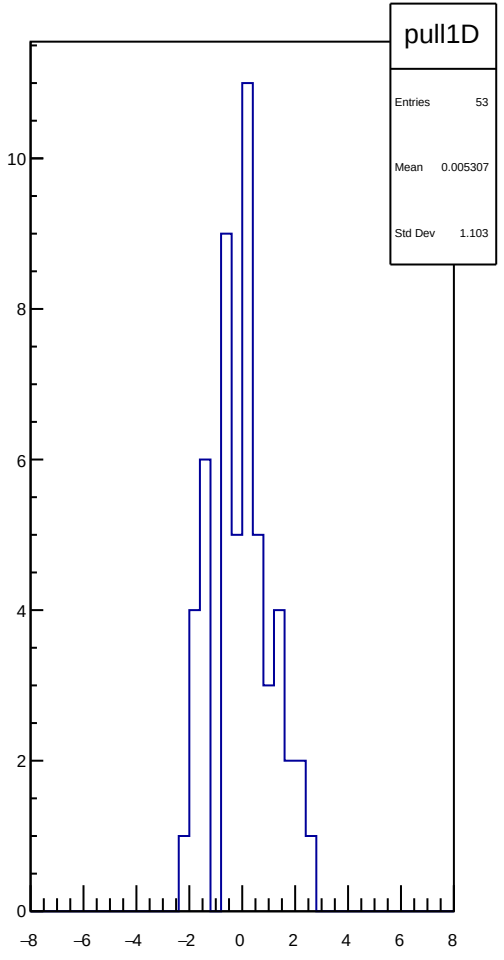

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.607e+04 / 52
p0 56.04 ± 0.05704
100
90
80
70
60
50
40

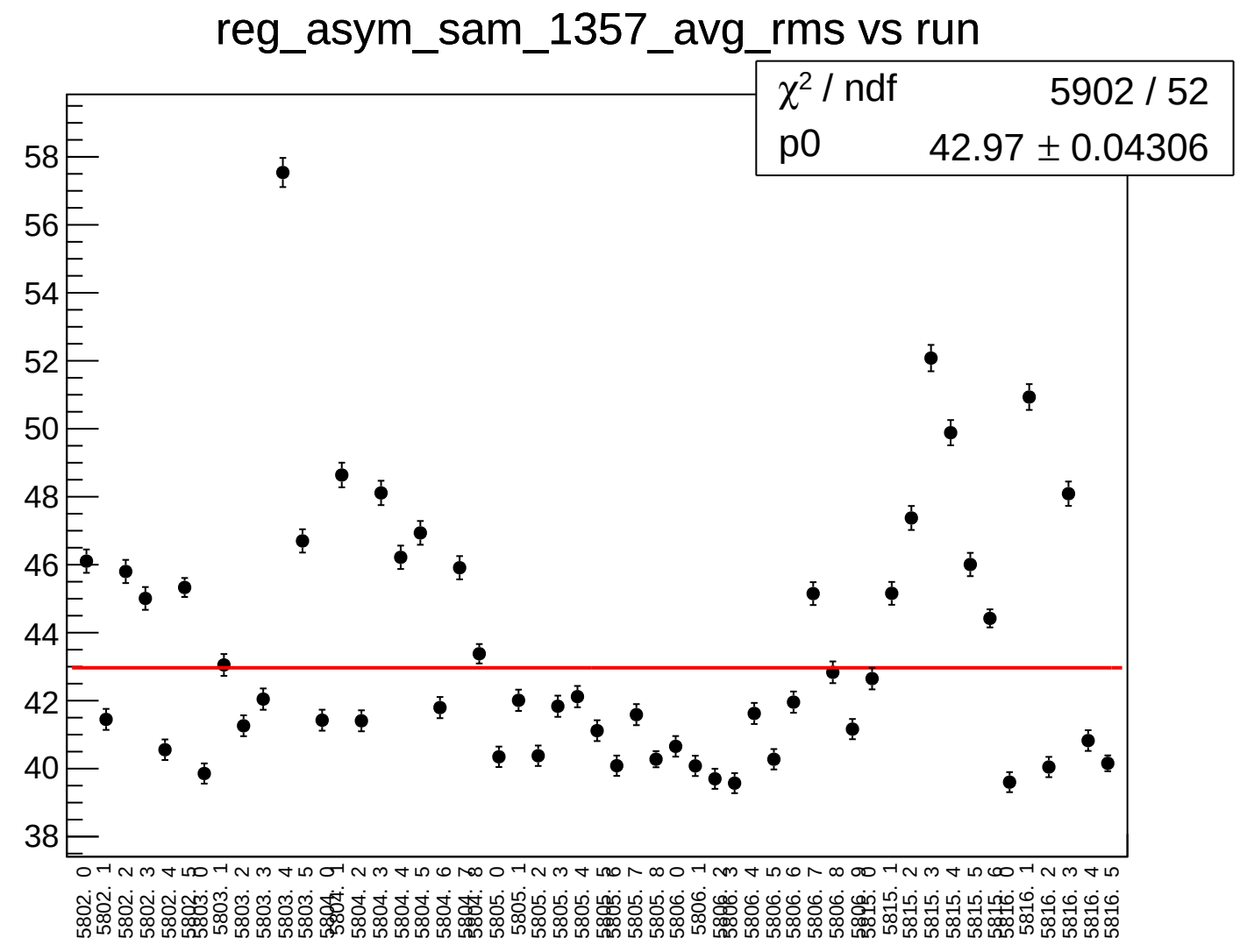

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.04 / 52
p0 4.54e−14 ± 3.183e−14
pull
Entries 53
Mean 122.8
Std Dev 0

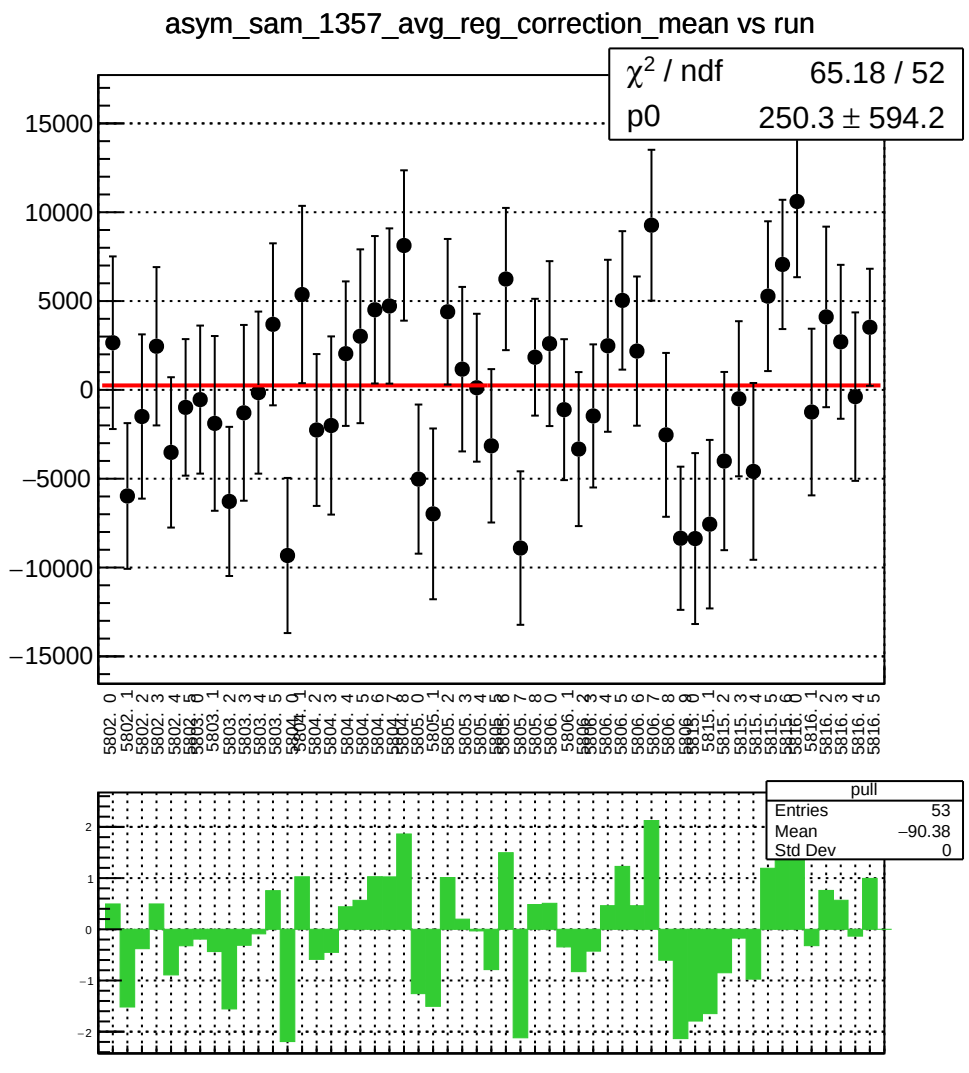

pull1D
Entries 53
Mean −0.02914
Std Dev 0.9712

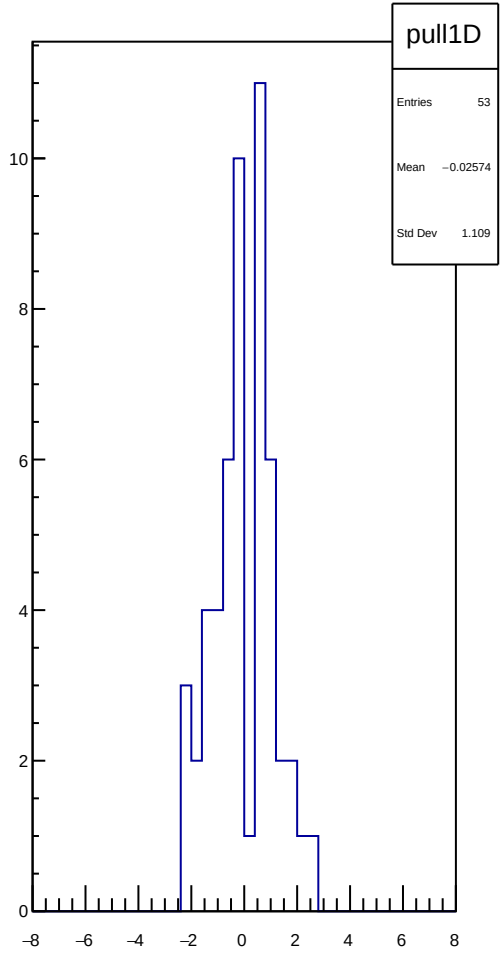

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.375e+05 / 52
p0 1.69e−11 ± 2.251e−14
0.1
0.08
0.06
0.04
0.02

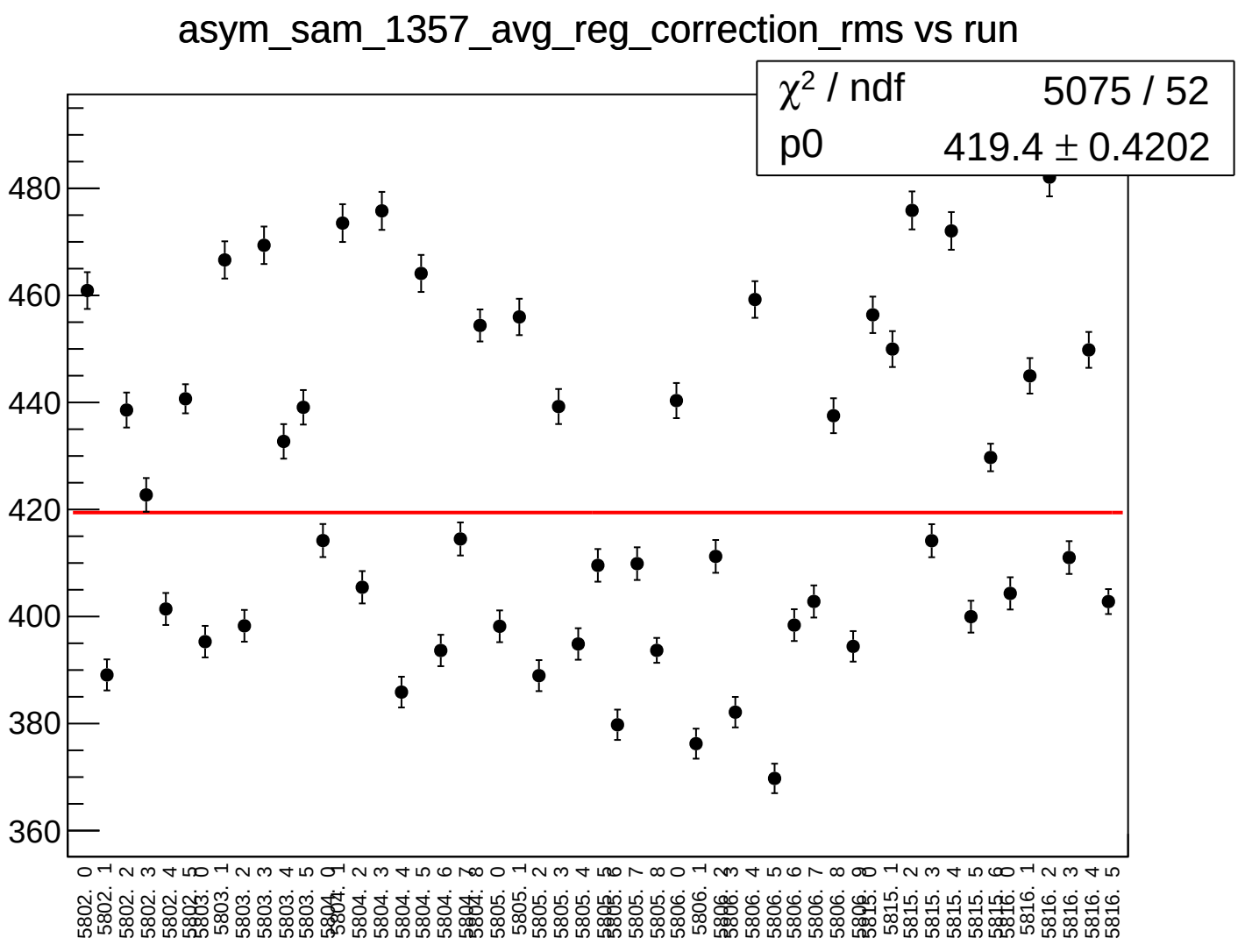

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 64.52 / 52
p0 84.34 ± 60.9
pull
Entries 53
Mean 10.83
Std Dev 0

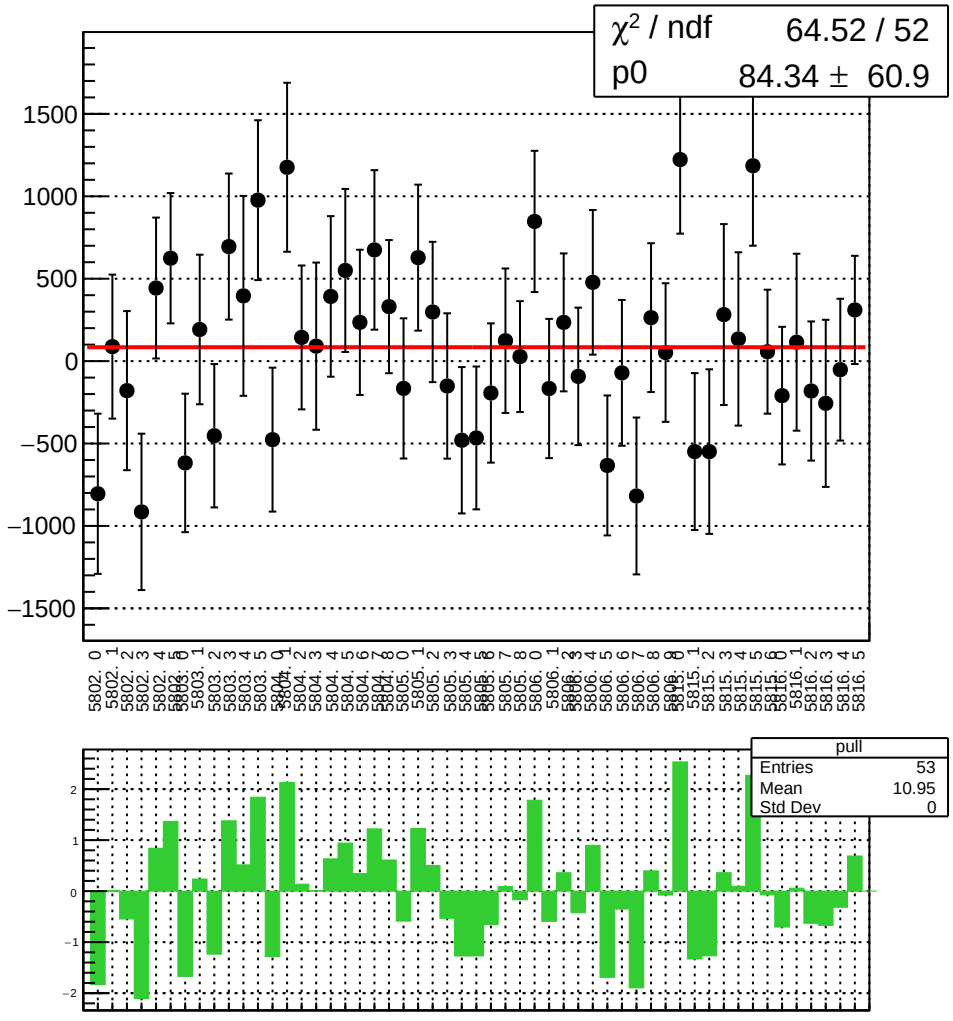

pull1D
Entries 53
Mean 0.005307
Std Dev 1.103

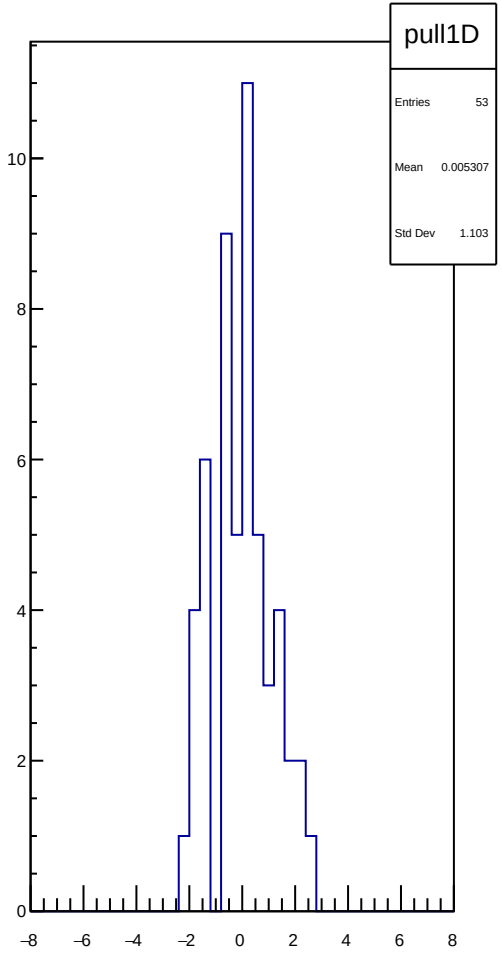

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 5902 / 52
p0 42.97 ± 0.04306
58
56
54
52
50
48
46
44
42
40
38
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

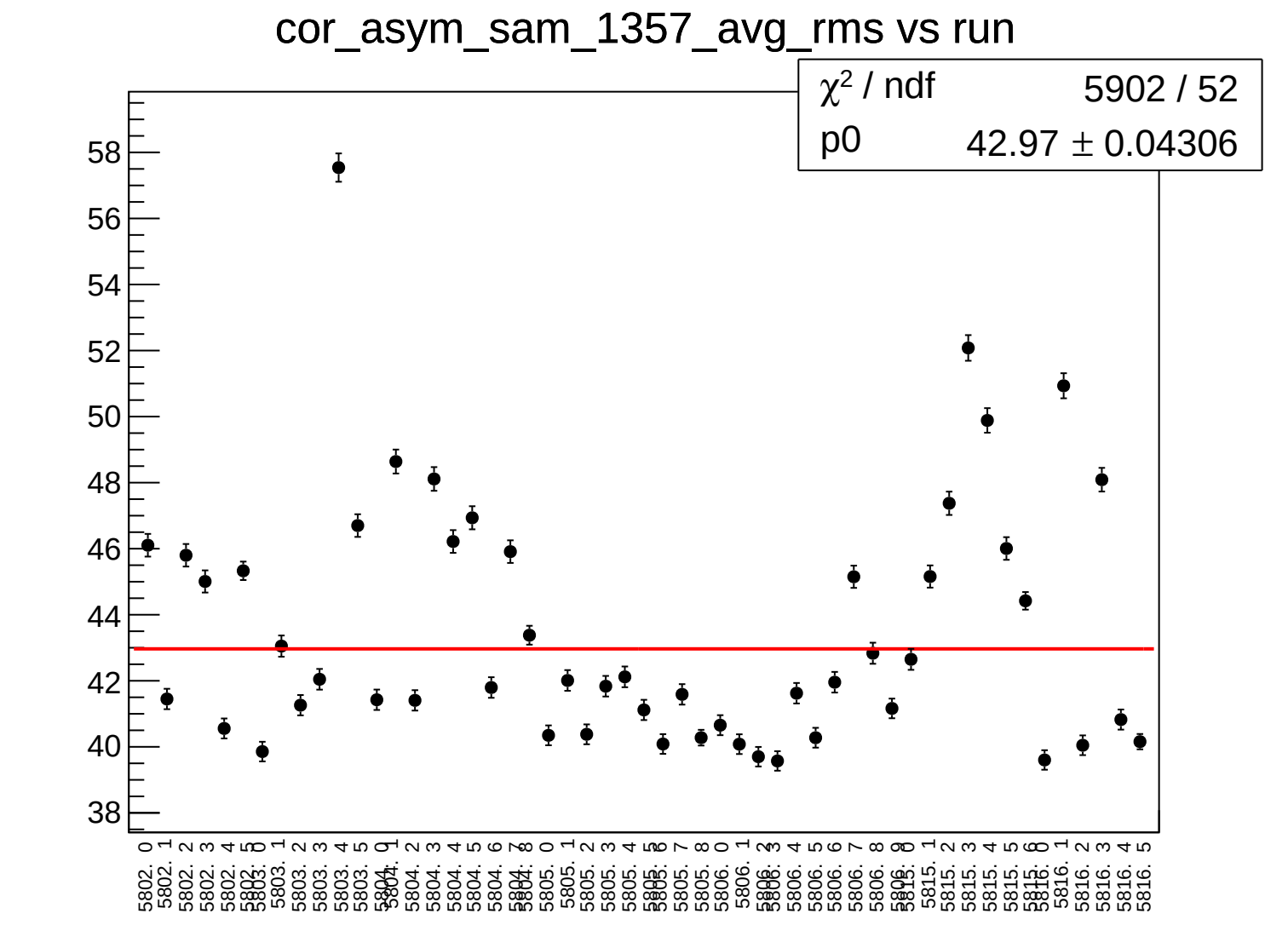

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 65.18 / 52
p0 250.3 ± 594.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −90.38
Std Dev 0
2
1
0
−1
−2

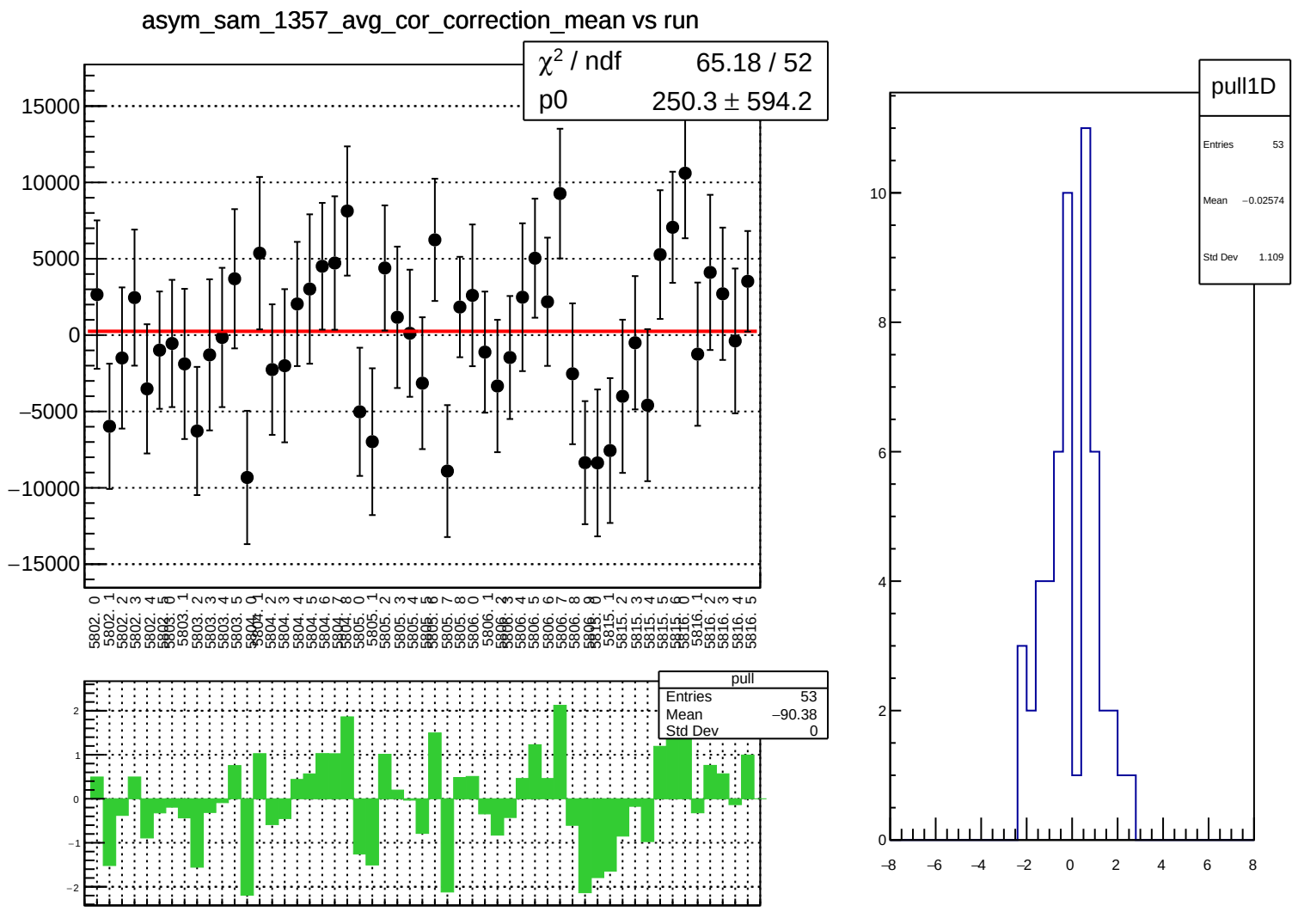

pull1D
Entries 53
Mean −0.02574
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

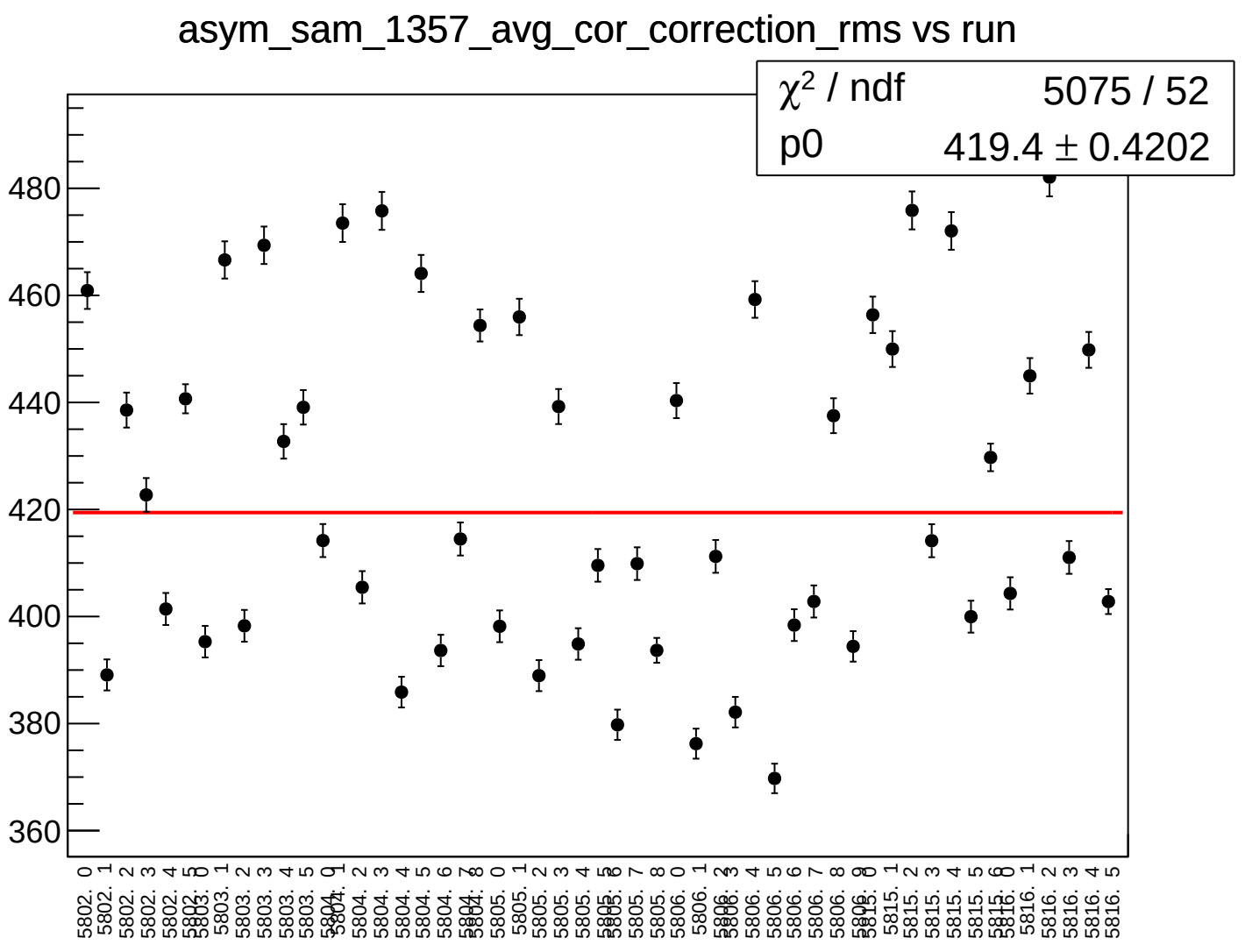

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 5075 / 52
p0 419.4 ± 0.4202
480
460
440
420
400
380
360

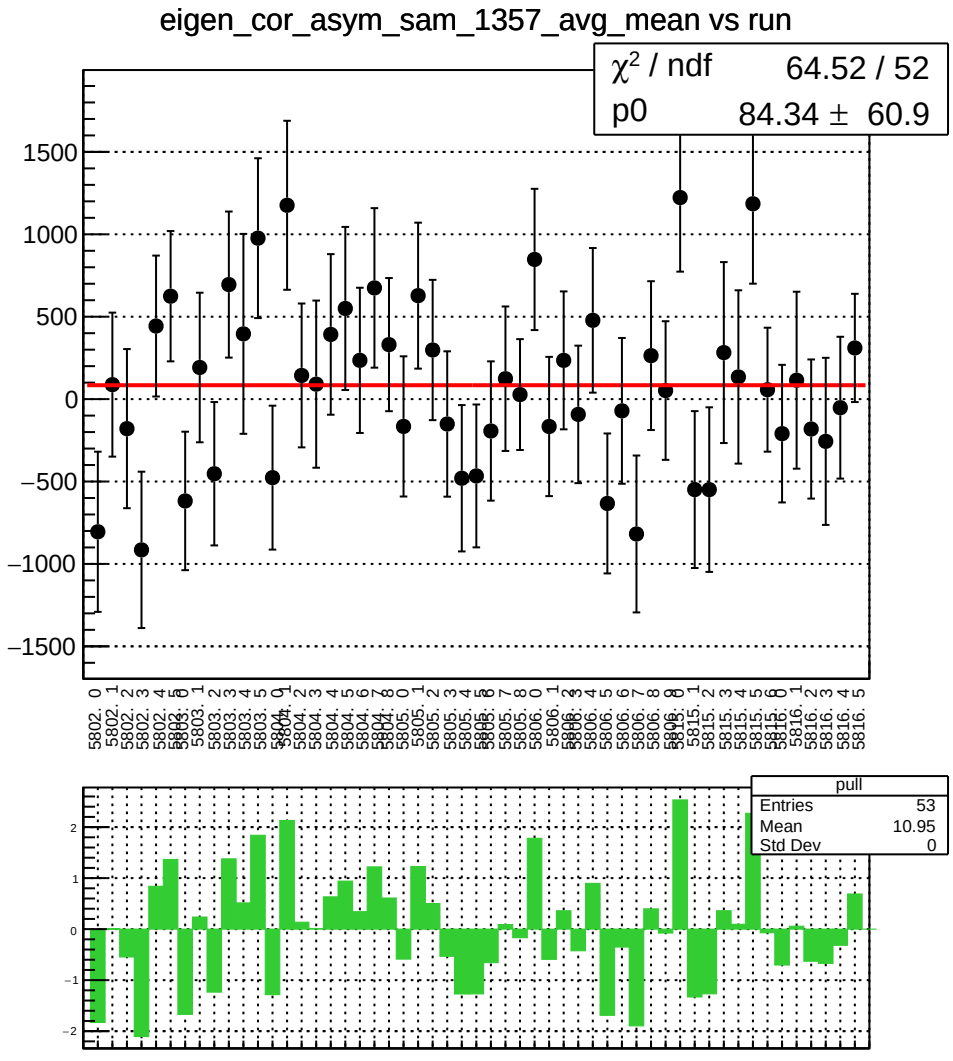

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 64.52 / 52
p0 84.34 ± 60.9
1500
1000
500
0
−500
−1000
−1500
pull
Entries 53
Mean 10.95
Std Dev 0
2
1
0
−1
−2

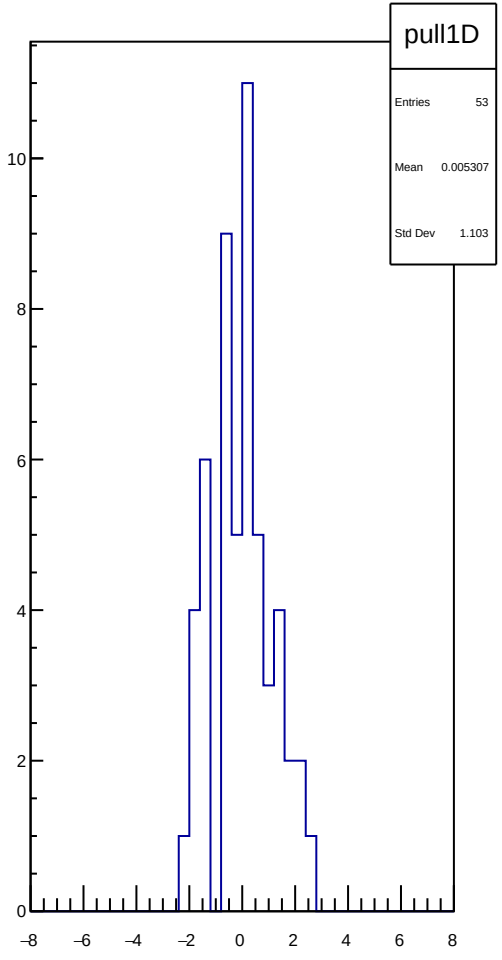

pull1D
Entries 53
Mean 0.005307
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

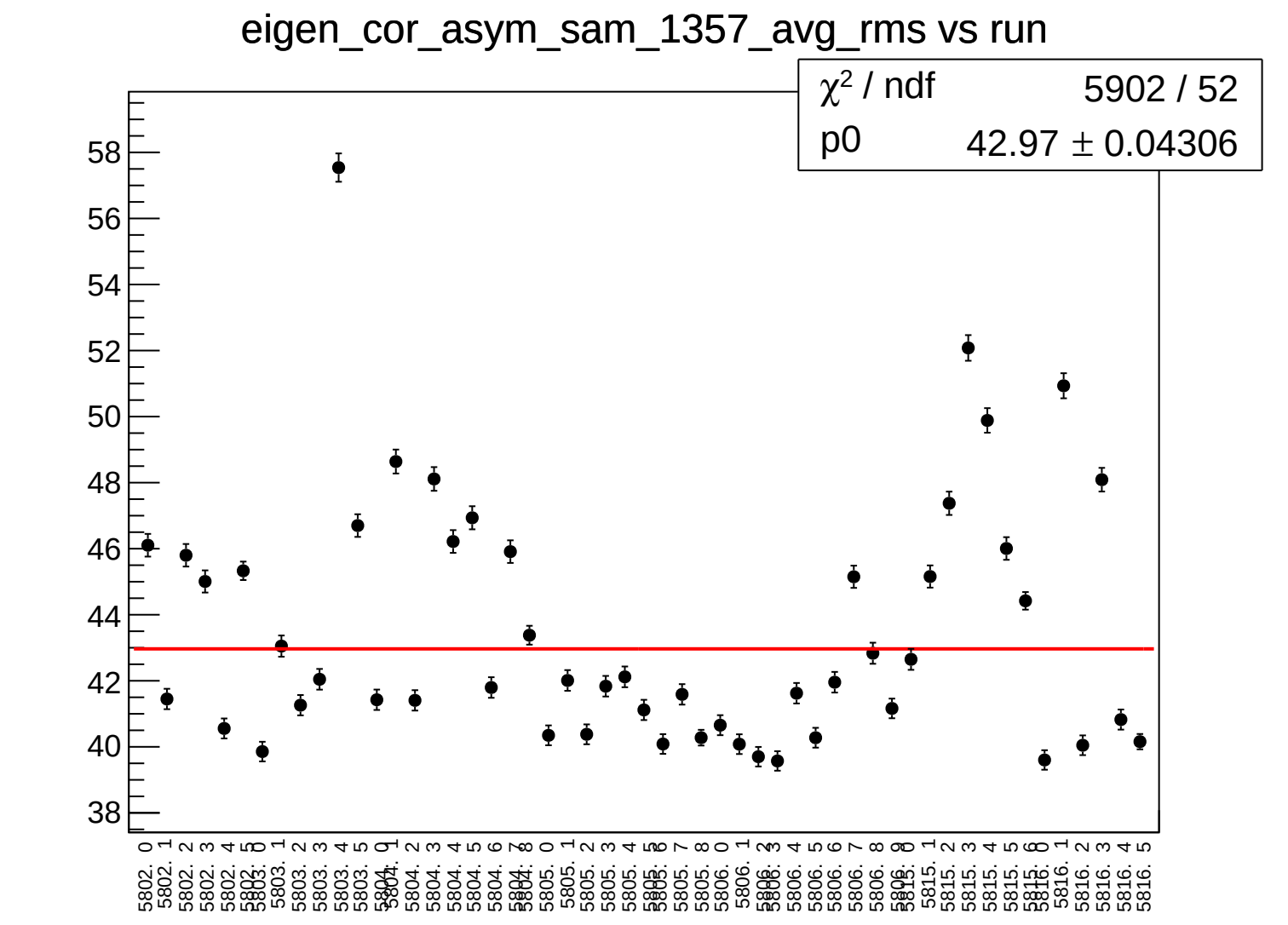

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 5902 / 52
p0 42.97 ± 0.04306
58
56
54
52
50
48
46
44
42
40
38


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 65.18 / 52
p0 250.3 ± 594.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −90.38
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 53
Mean −0.02574
Std Dev 1.109
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 5075 / 52
p0 419.4 ± 0.4202
480
460
440
420
400
380
360


eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 64.52 / 52
p0 84.34 ± 60.9
pull
Entries 53
Mean 10.95
Std Dev 0


pull1D
Entries 53
Mean 0.005307
Std Dev 1.103


eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 5902 / 52
p0 42.97 ± 0.04306
58
56
54
52
50
48
46
44
42
40
38
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
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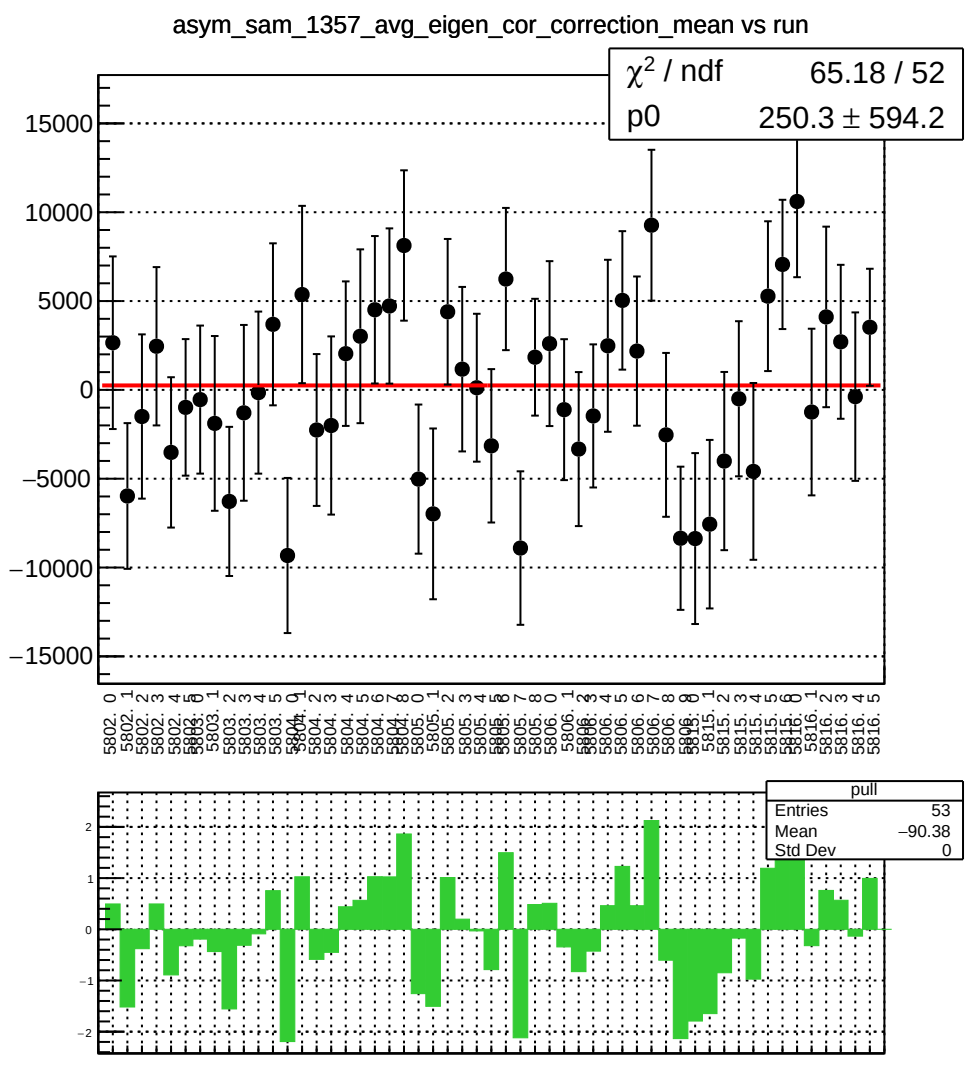
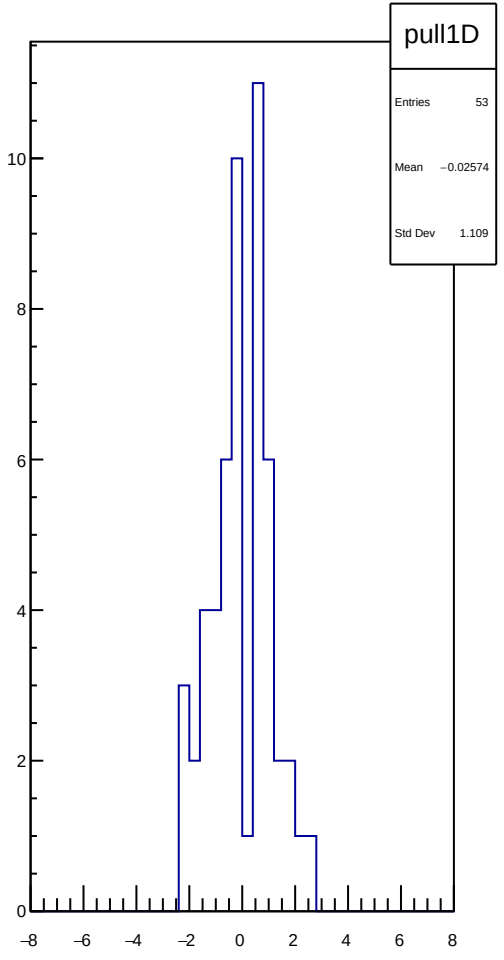
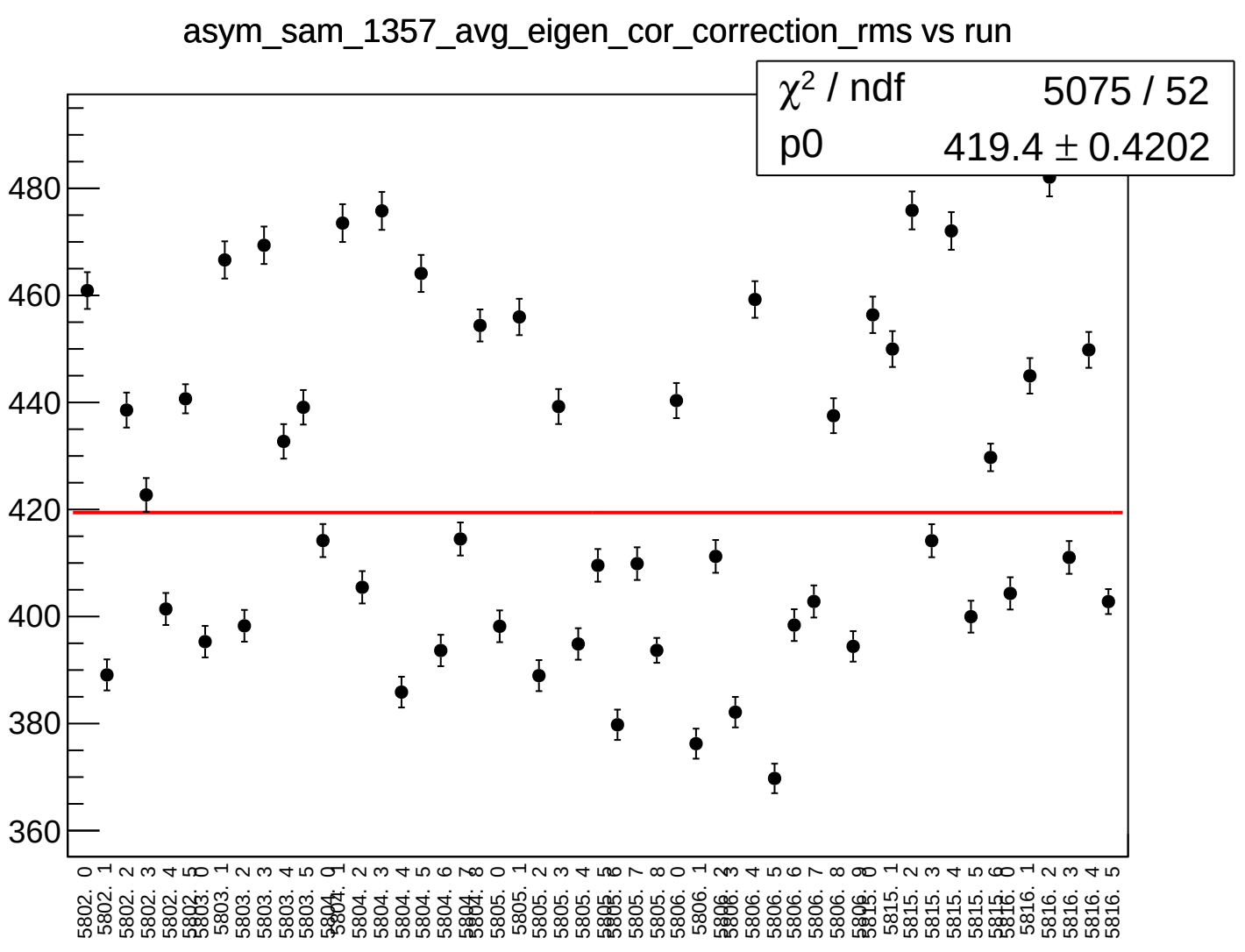
5816. 4
5816. 5


asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.18 / 52
p0 250.3 ± 594.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −90.38
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02574
Std Dev 1.109
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 5075 / 52
p0 419.4 ± 0.4202
480
460
440
420
400
380
360
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
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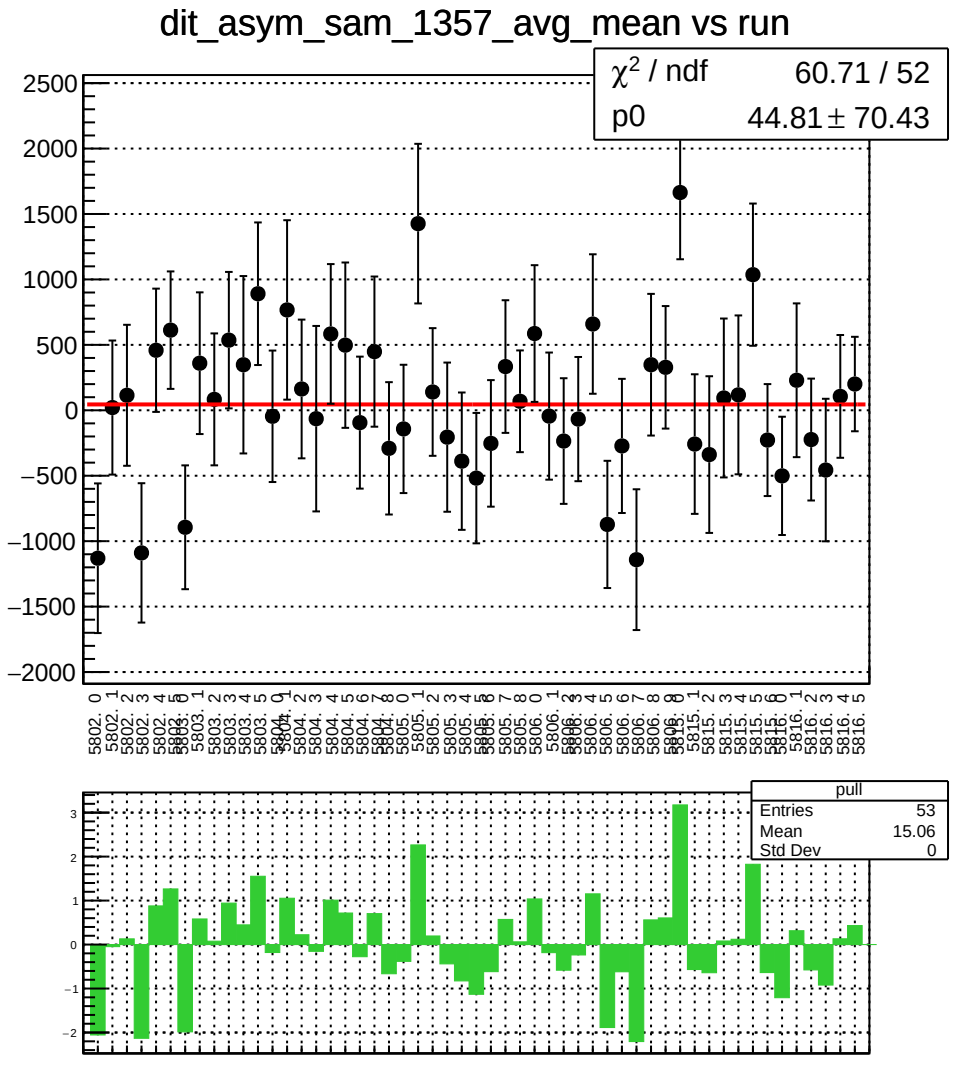
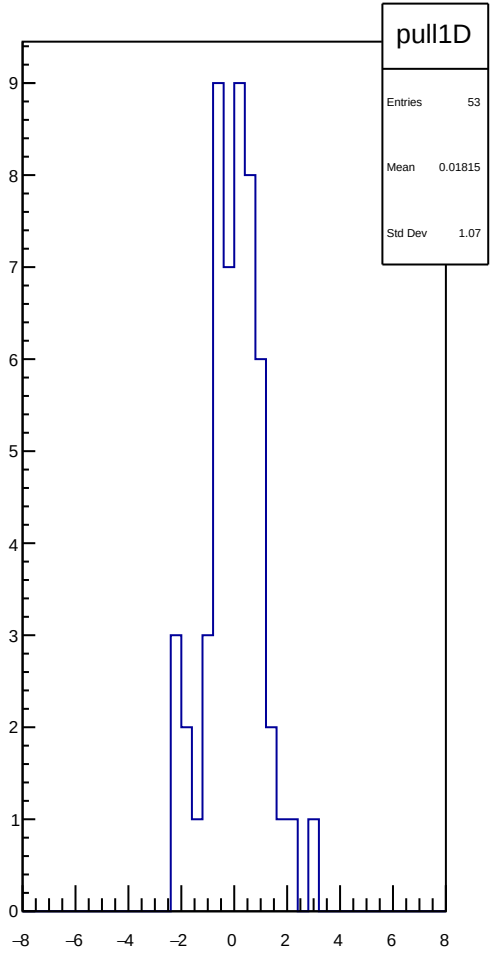
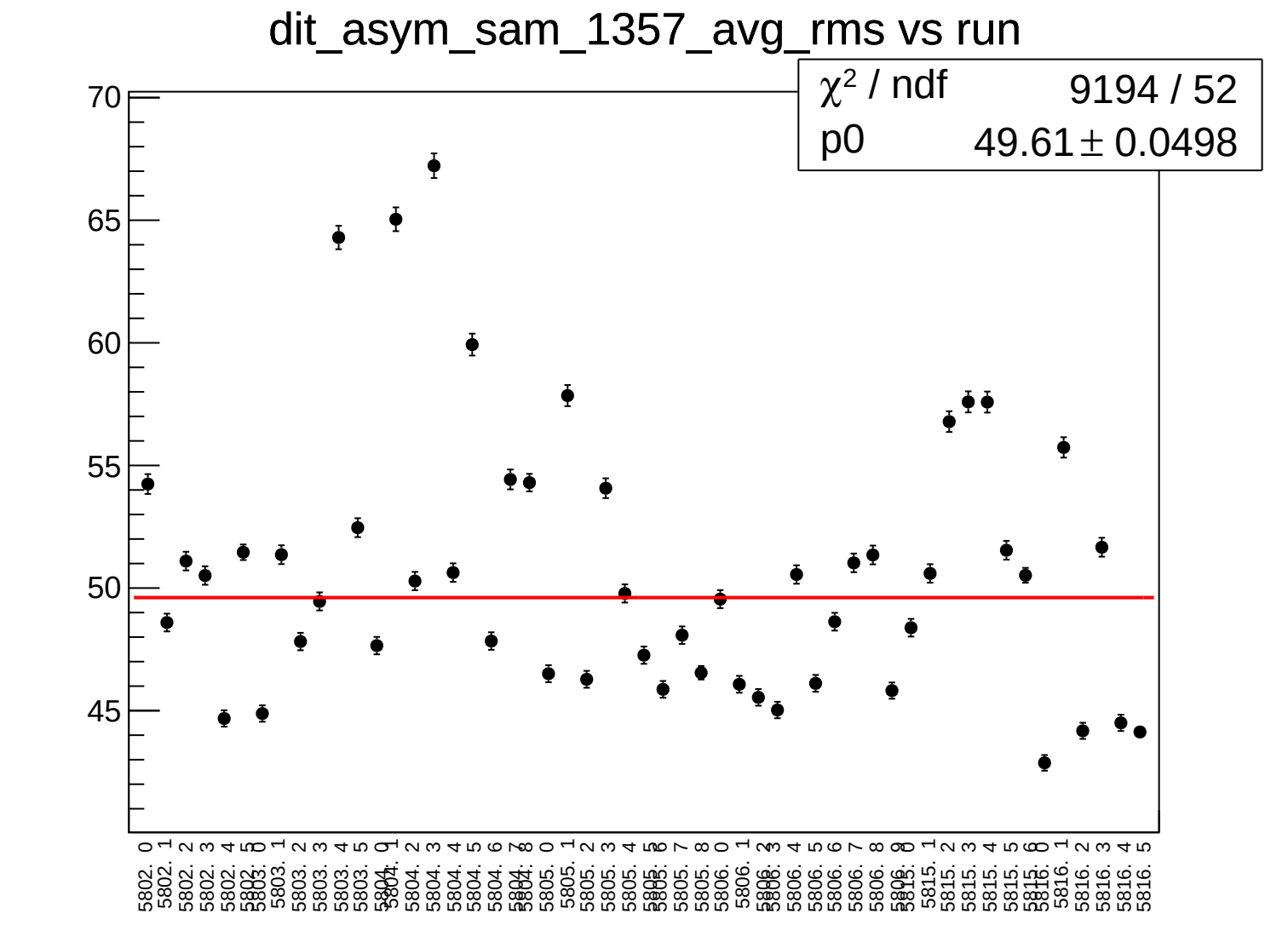
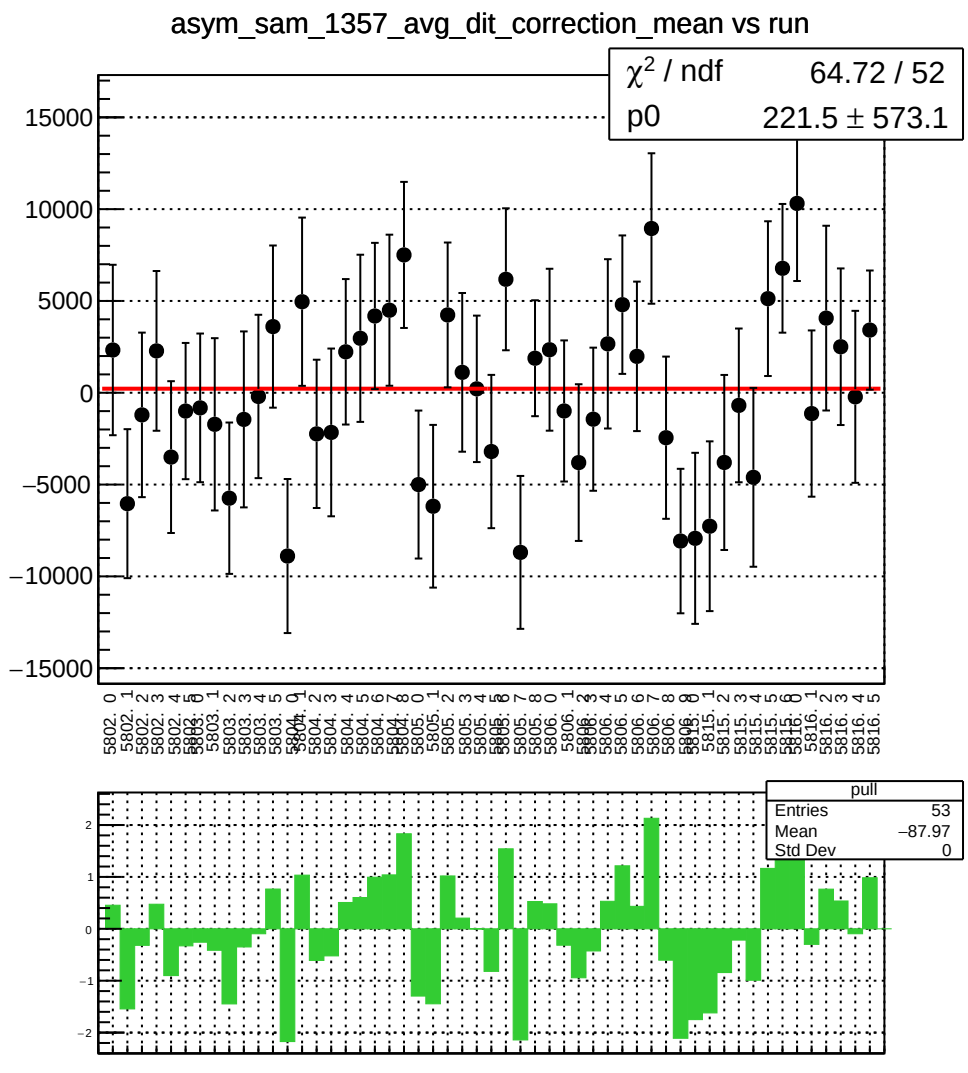
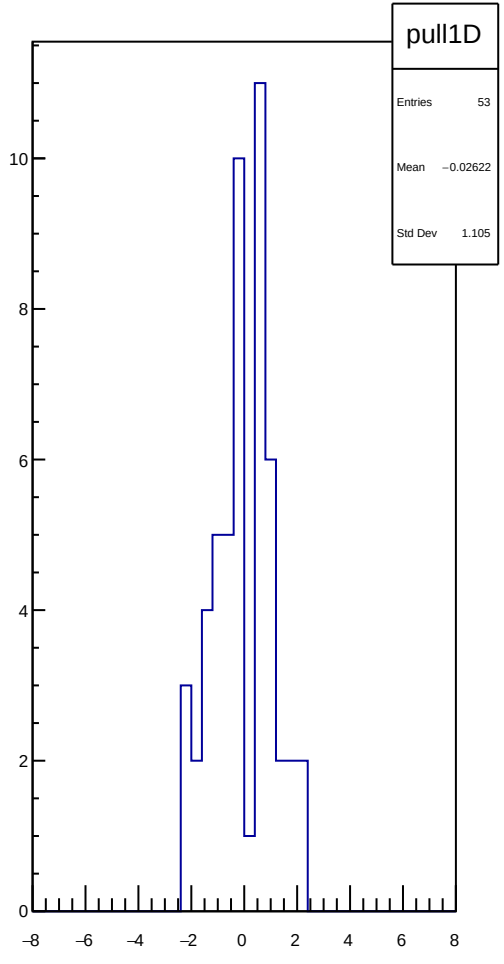
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

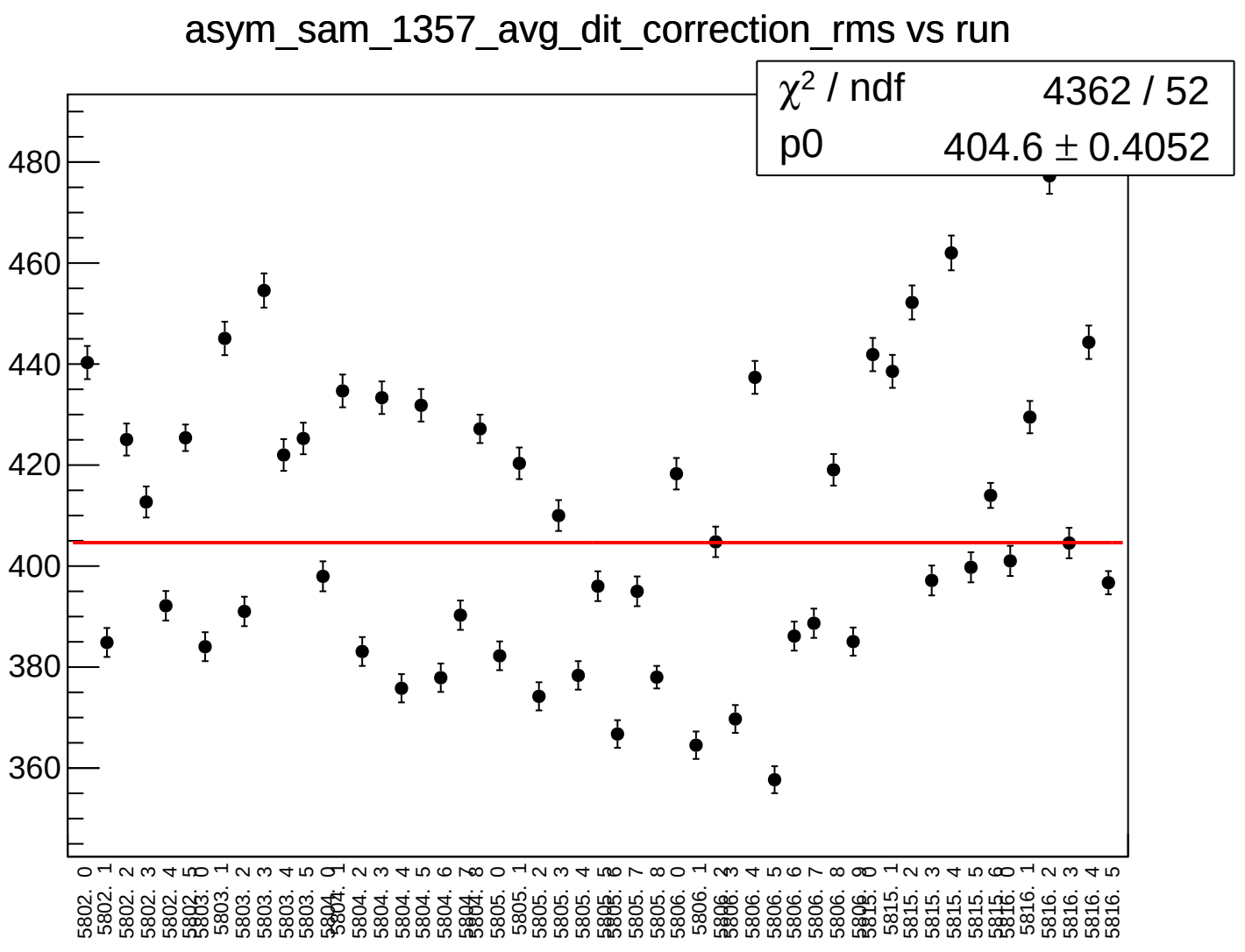

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 60.71 / 52
p0 44.81 ± 70.43
pull
Entries 53
Mean 15.06
Std Dev 0

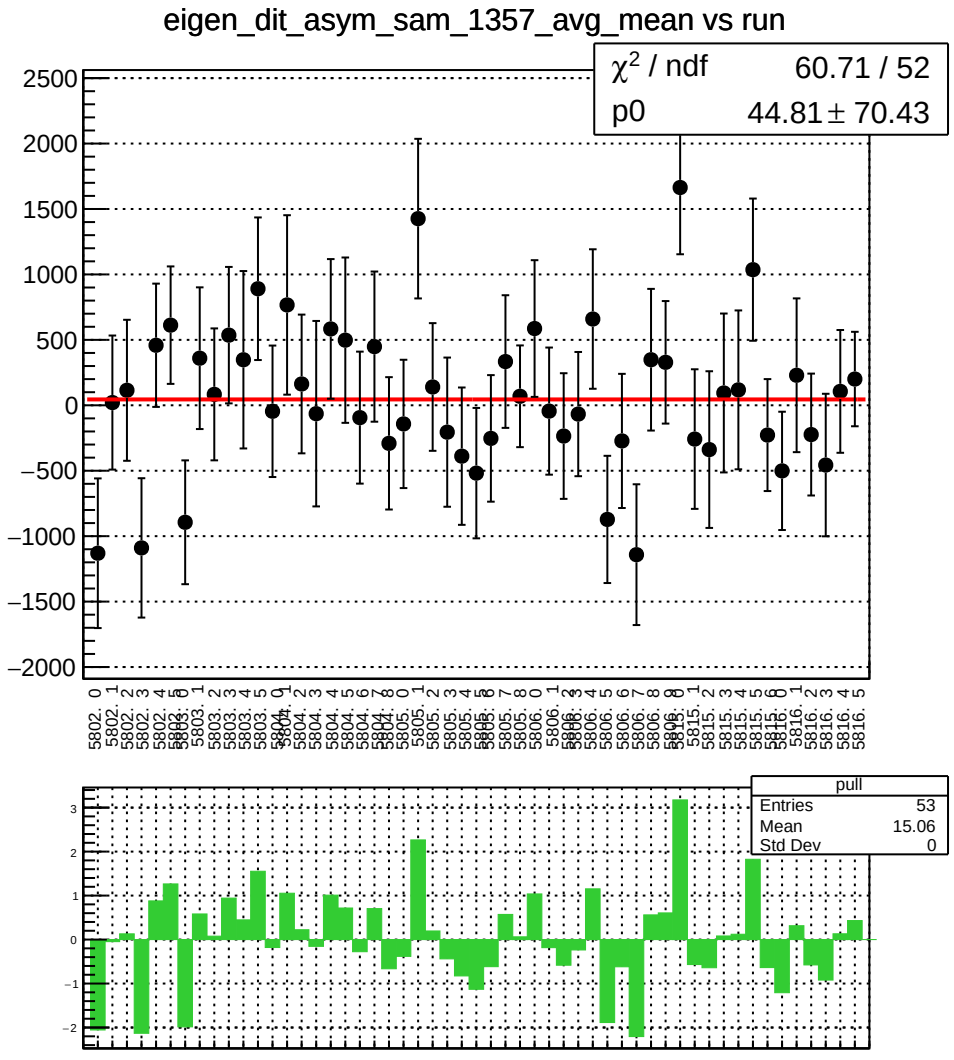

pull1D
Entries 53
Mean 0.01815
Std Dev 1.07

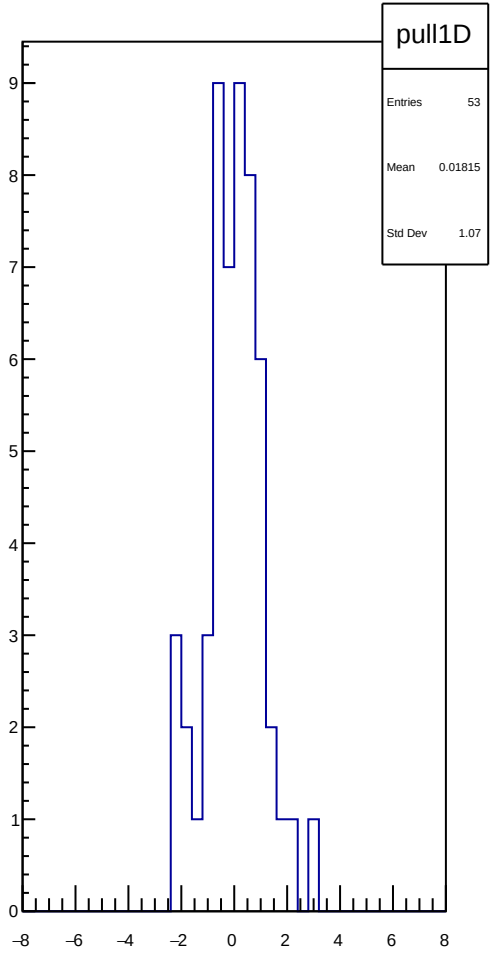

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 9194 / 52
p0 49.61 ± 0.0498
70
65
60
55
50
45
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

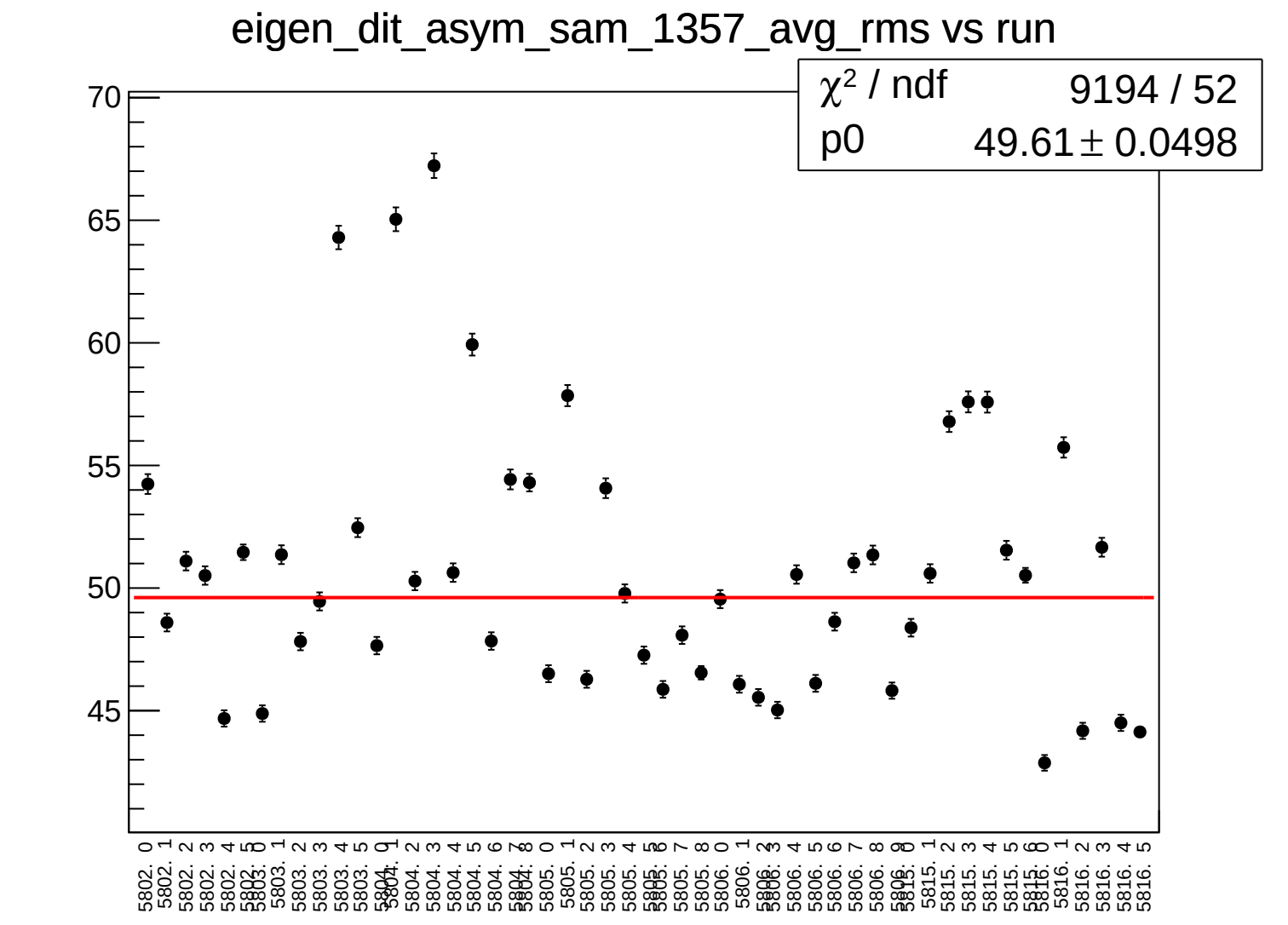

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 64.72 / 52
p0 221.5 ± 573.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −87.97
Std Dev 0
2
1
0
−1
−2

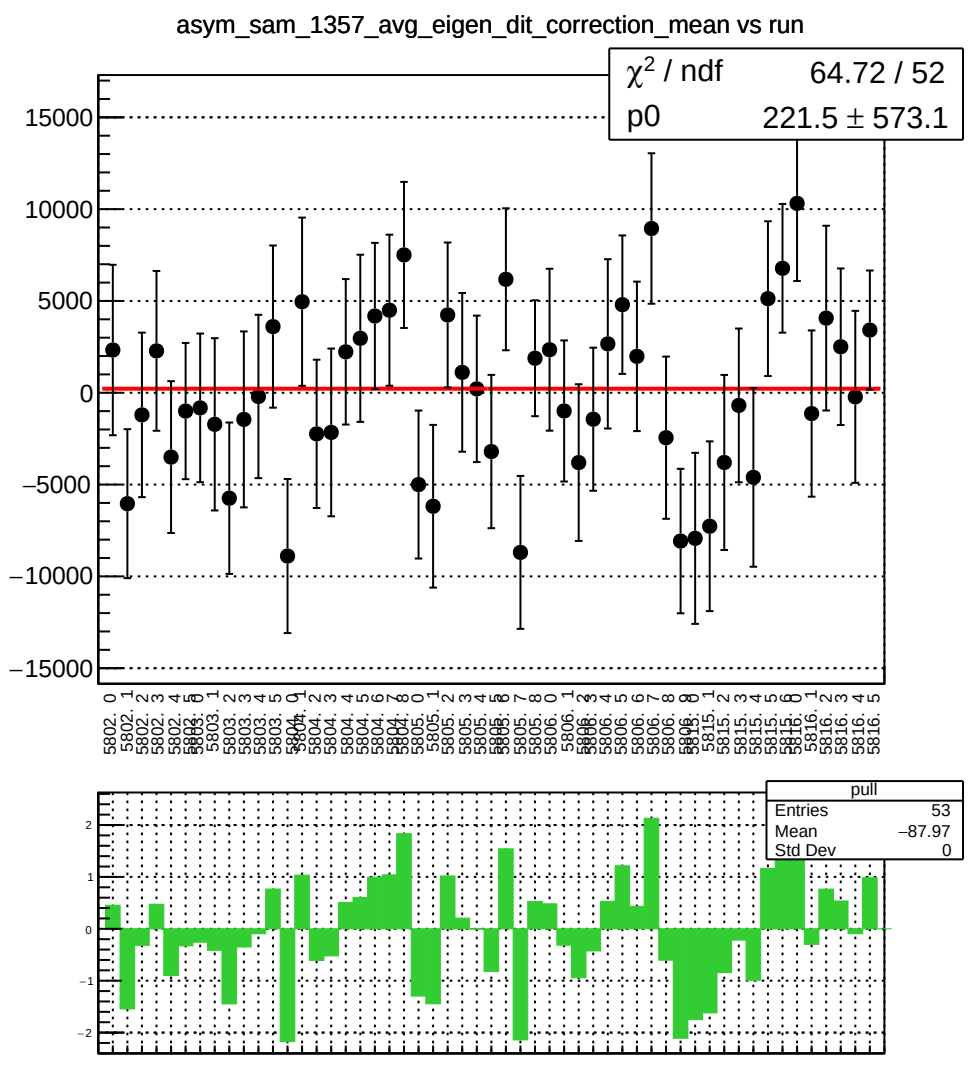

pull1D
Entries 53
Mean −0.02622
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

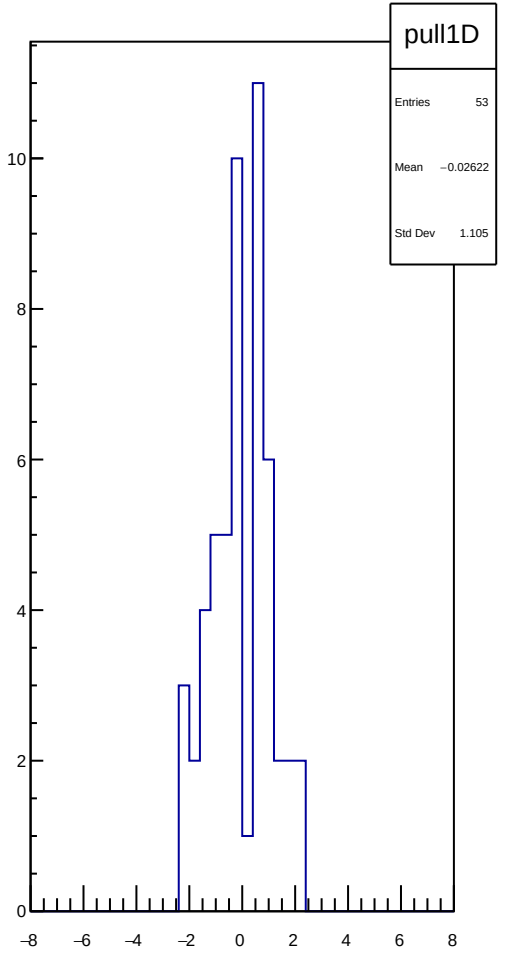

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 4362 / 52
p0 404.6 ± 0.4052
480
460
440
420
400
380
360

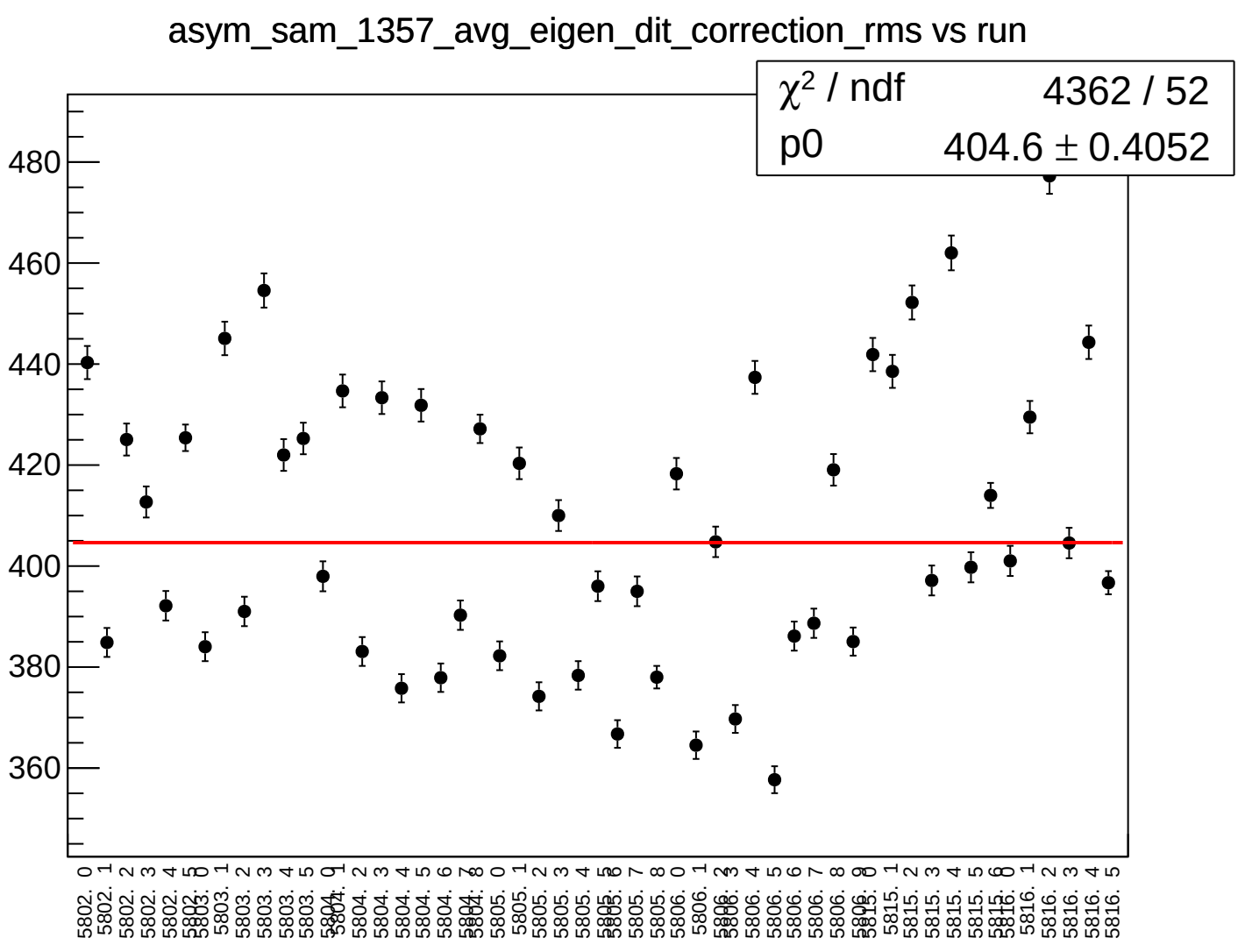

eigen_dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 60.71 / 52
p0 44.81 ± 70.43
pull
Entries 53
Mean 15.06
Std Dev 0

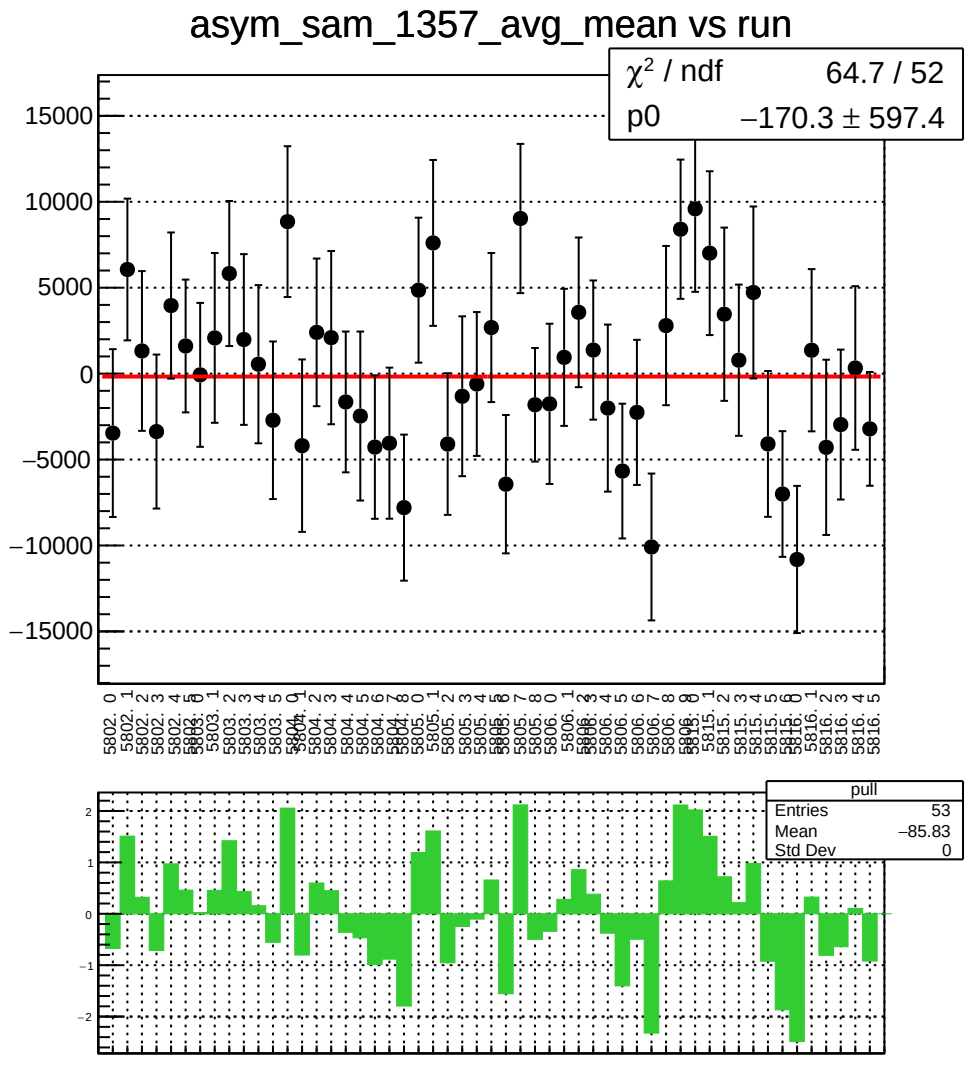

pull1D
Entries 53
Mean 0.01815
Std Dev 1.07

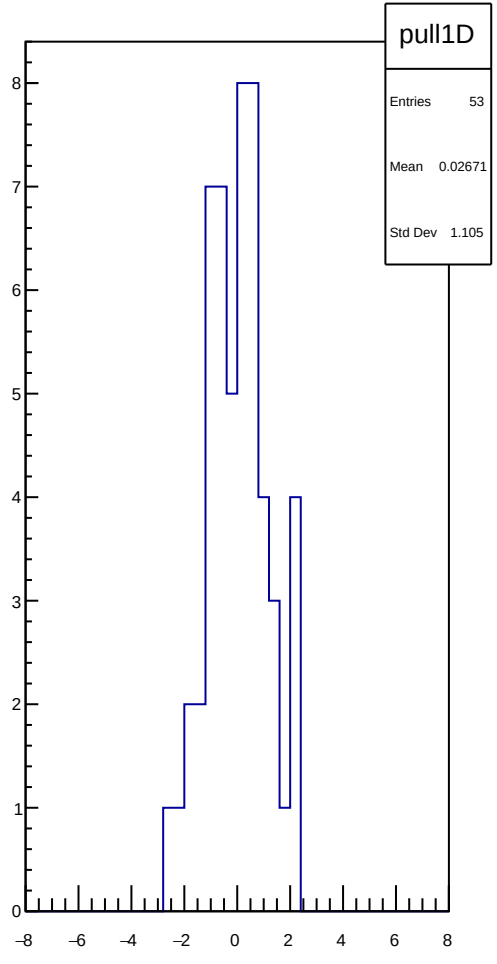

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 9194 / 52
p0 49.61 ± 0.0498
70
65
60
55
50
45
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

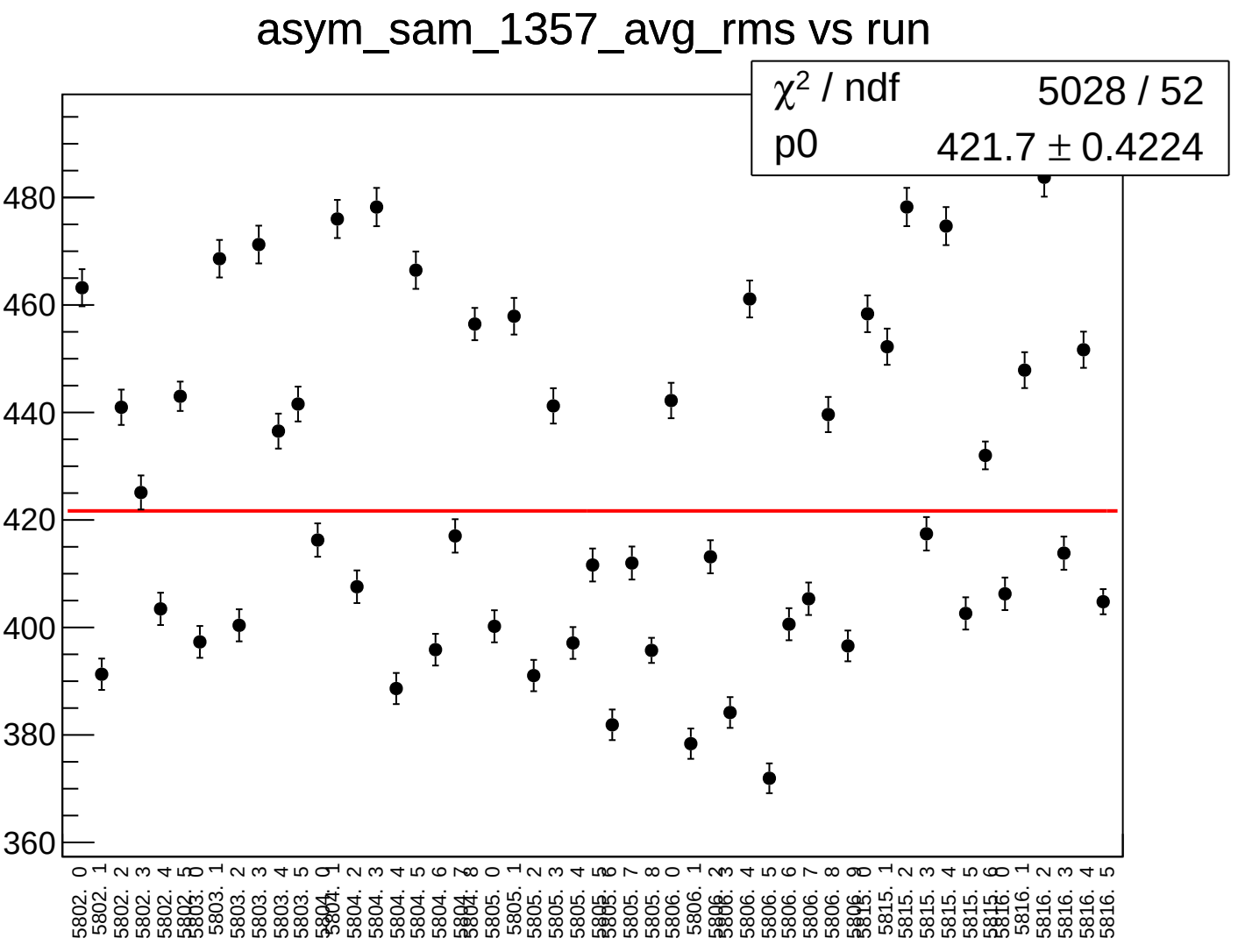

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.72 / 52
p0 221.5 ± 573.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −87.97
Std Dev 0
2
1
0
−1
−2

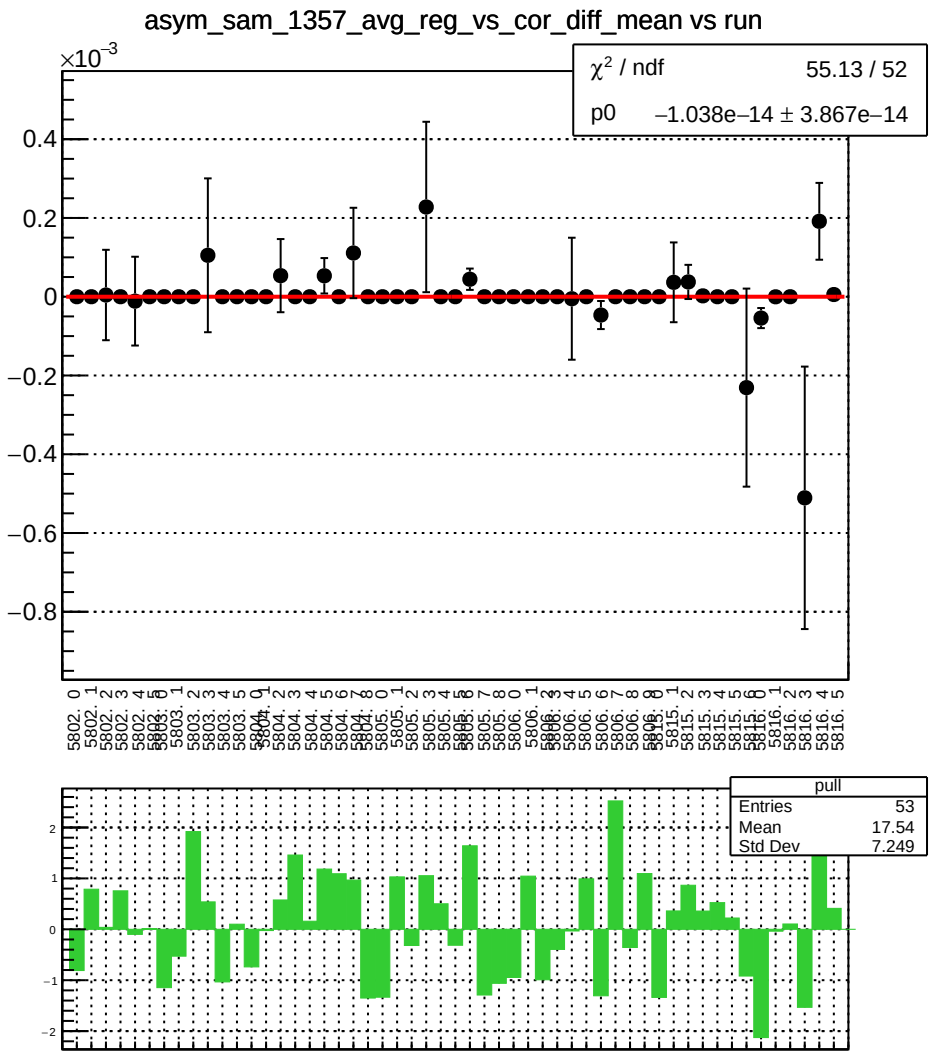

pull1D
Entries 53
Mean −0.02622
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

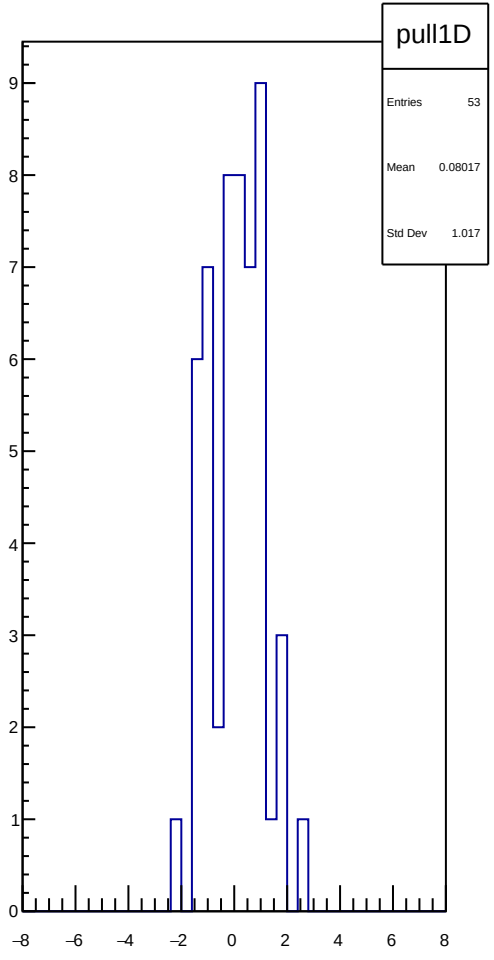

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 4362 / 52
p0 404.6 ± 0.4052
480
460
440
420
400
380
360

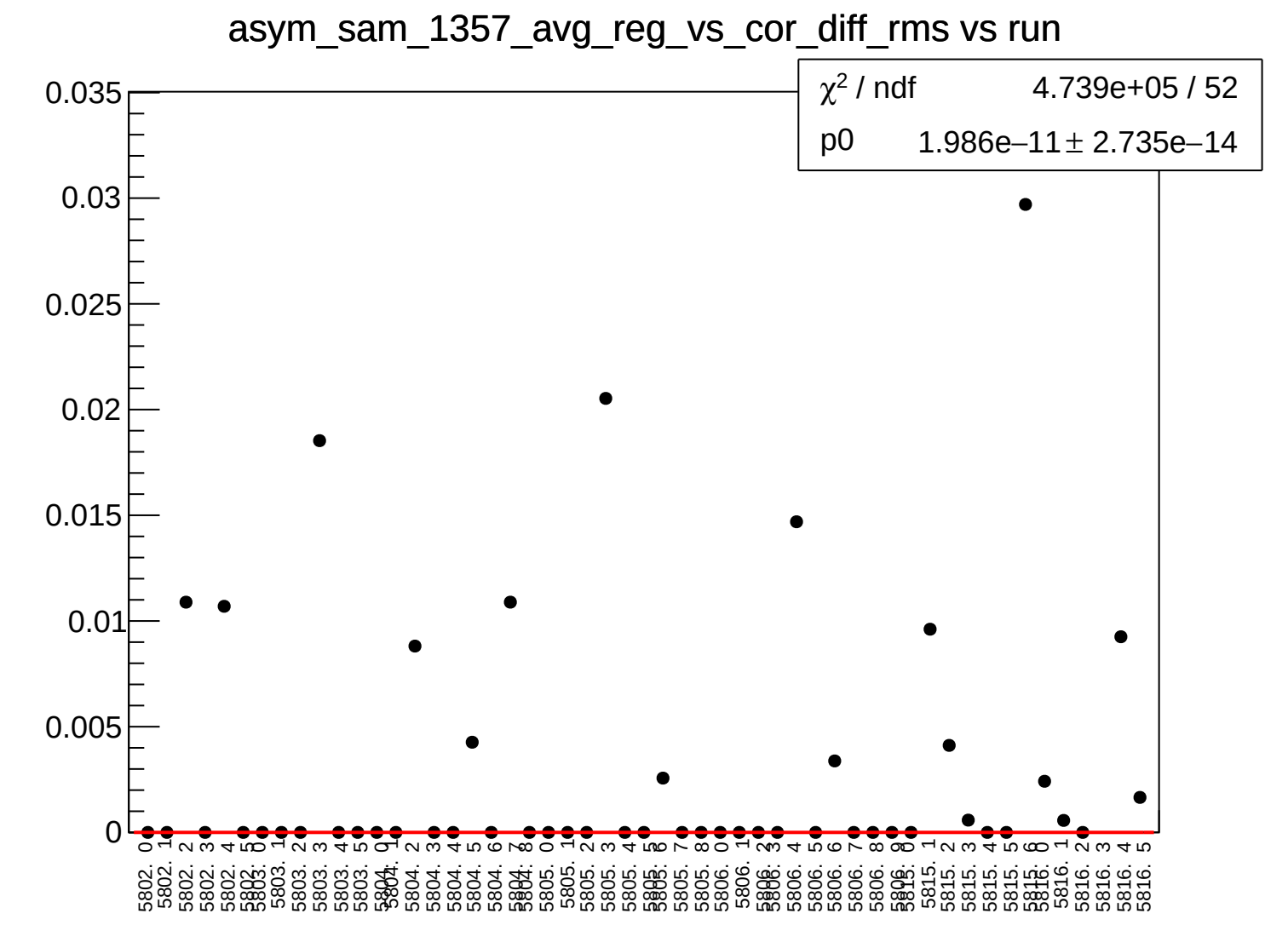

asym_sam_1357_avg_mean vs run
χ² / ndf 64.7 / 52
p0 −170.3 ± 597.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −85.83
Std Dev 0
2
1
0
−1
−2

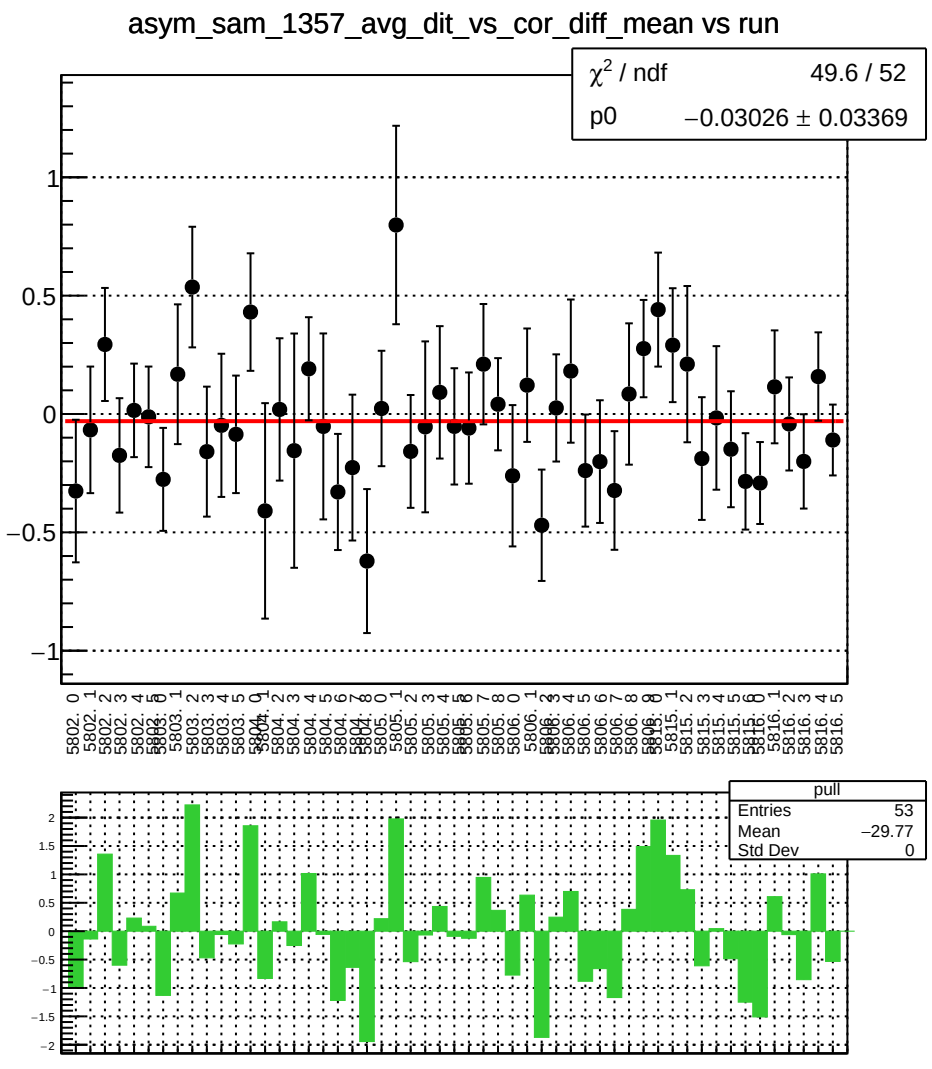

pull1D
Entries 53
Mean 0.02671
Std Dev 1.105
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

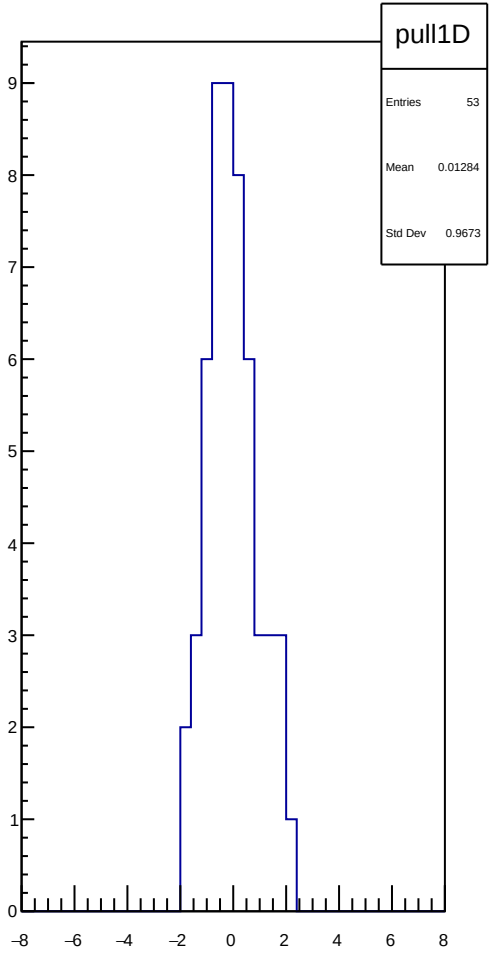

asym_sam_1357_avg_rms vs run
χ² / ndf 5028 / 52
p0 421.7 ± 0.4224
480
460
440
420
400
380
360

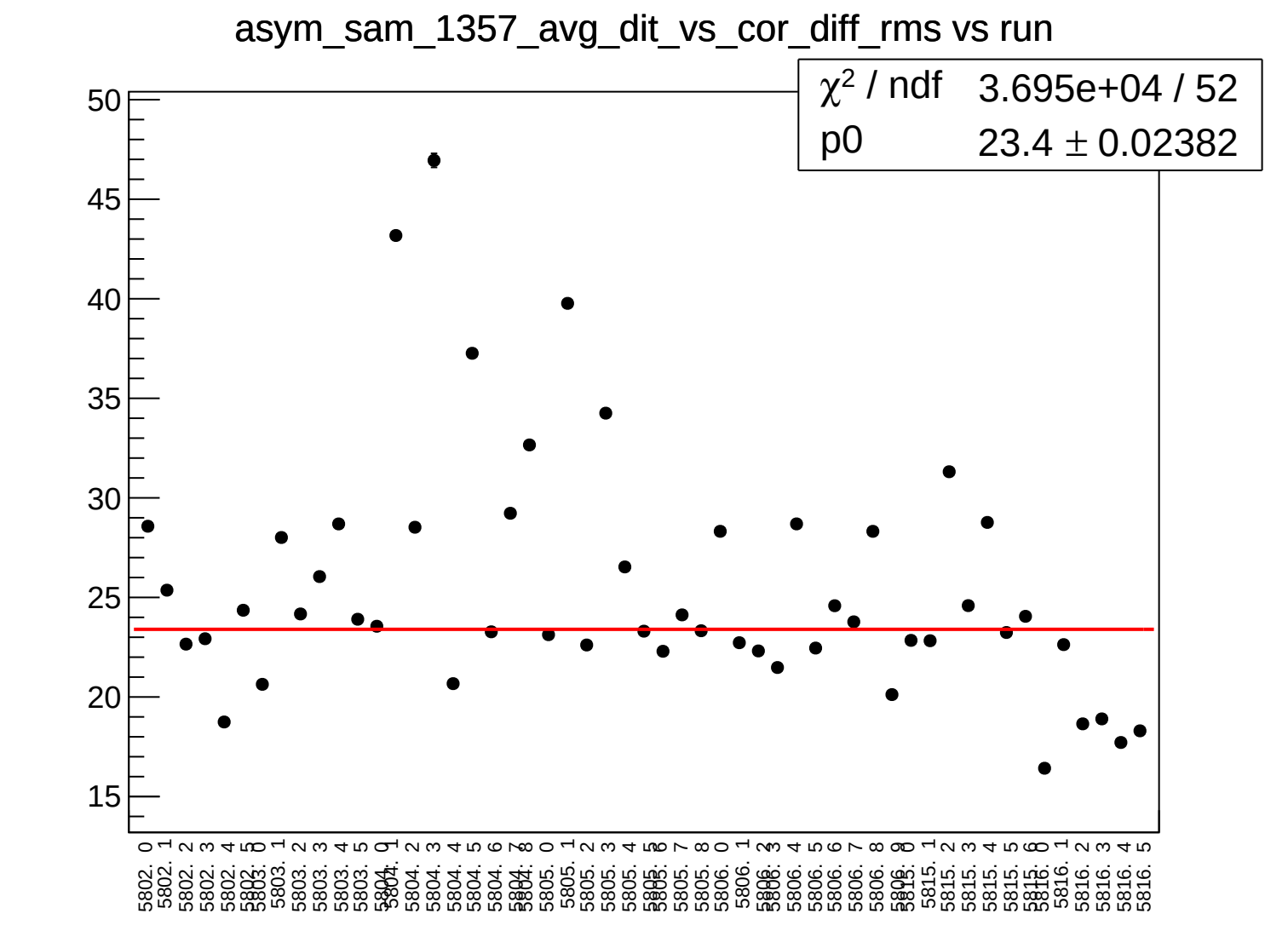

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.13 / 52
p0 −1.038e−14 ± 3.867e−14
pull
Entries 53
Mean 17.54
Std Dev 7.249

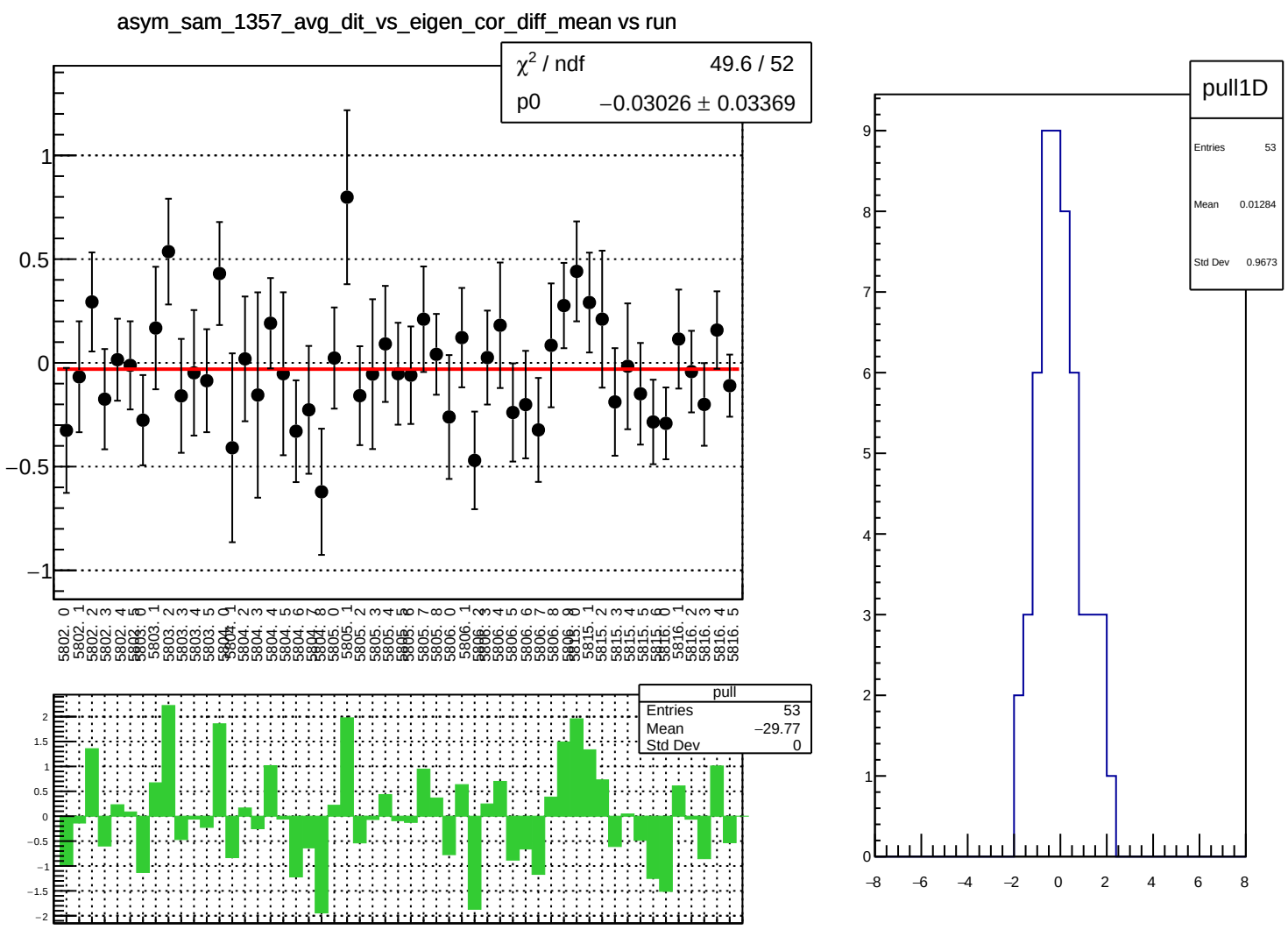

pull1D
Entries 53
Mean 0.08017
Std Dev 1.017

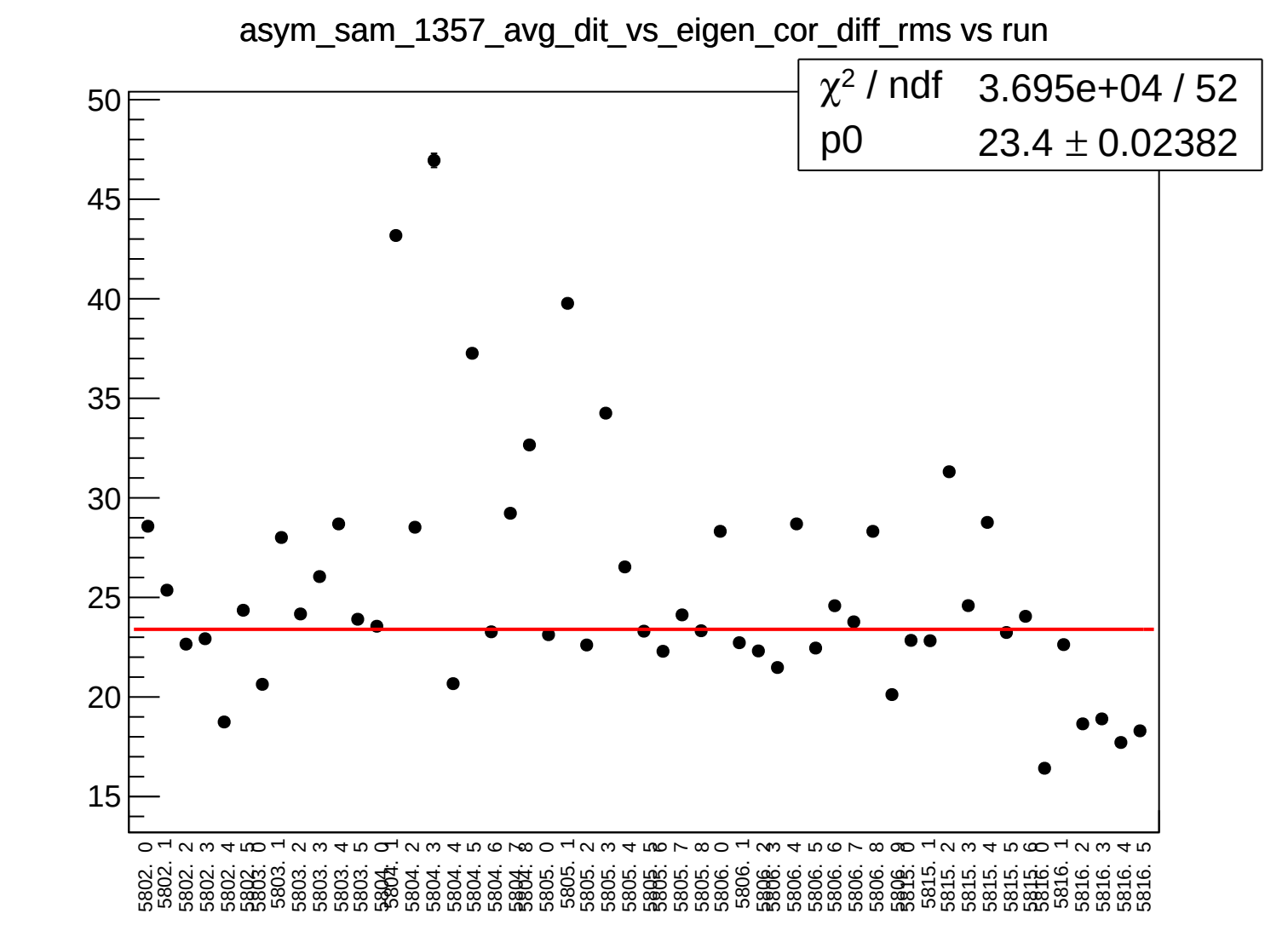

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 4.739e+05 / 52
p0 1.986e−11 ± 2.735e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

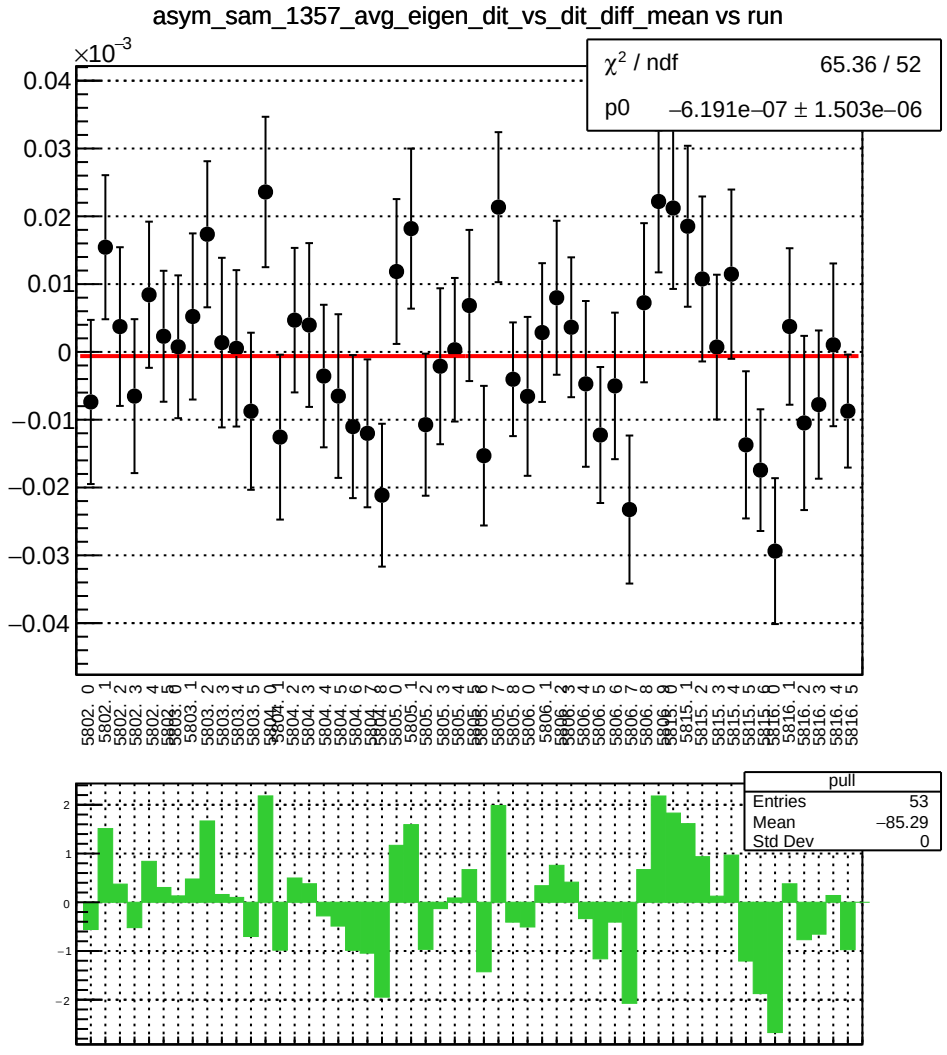

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 52
p0 −0.03026 ± 0.03369
pull
Entries 53
Mean −29.77
Std Dev 0

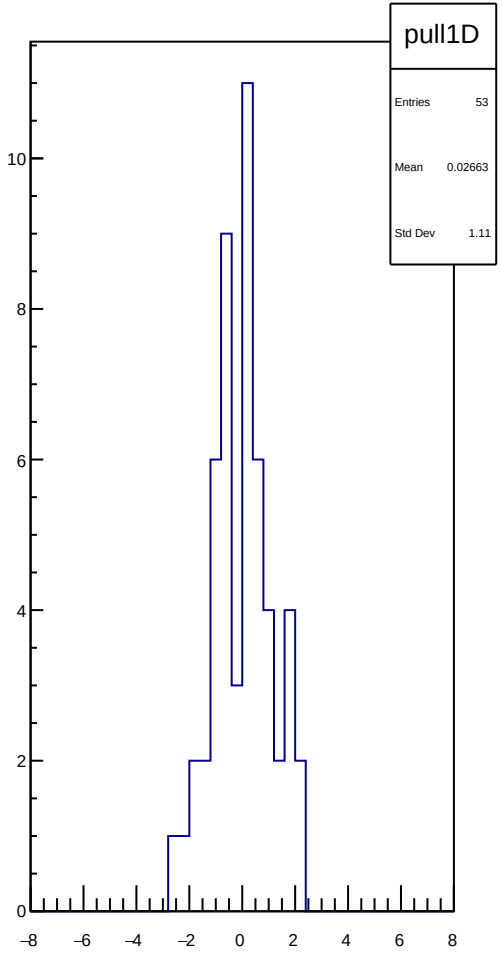

pull1D
Entries 53
Mean 0.01284
Std Dev 0.9673

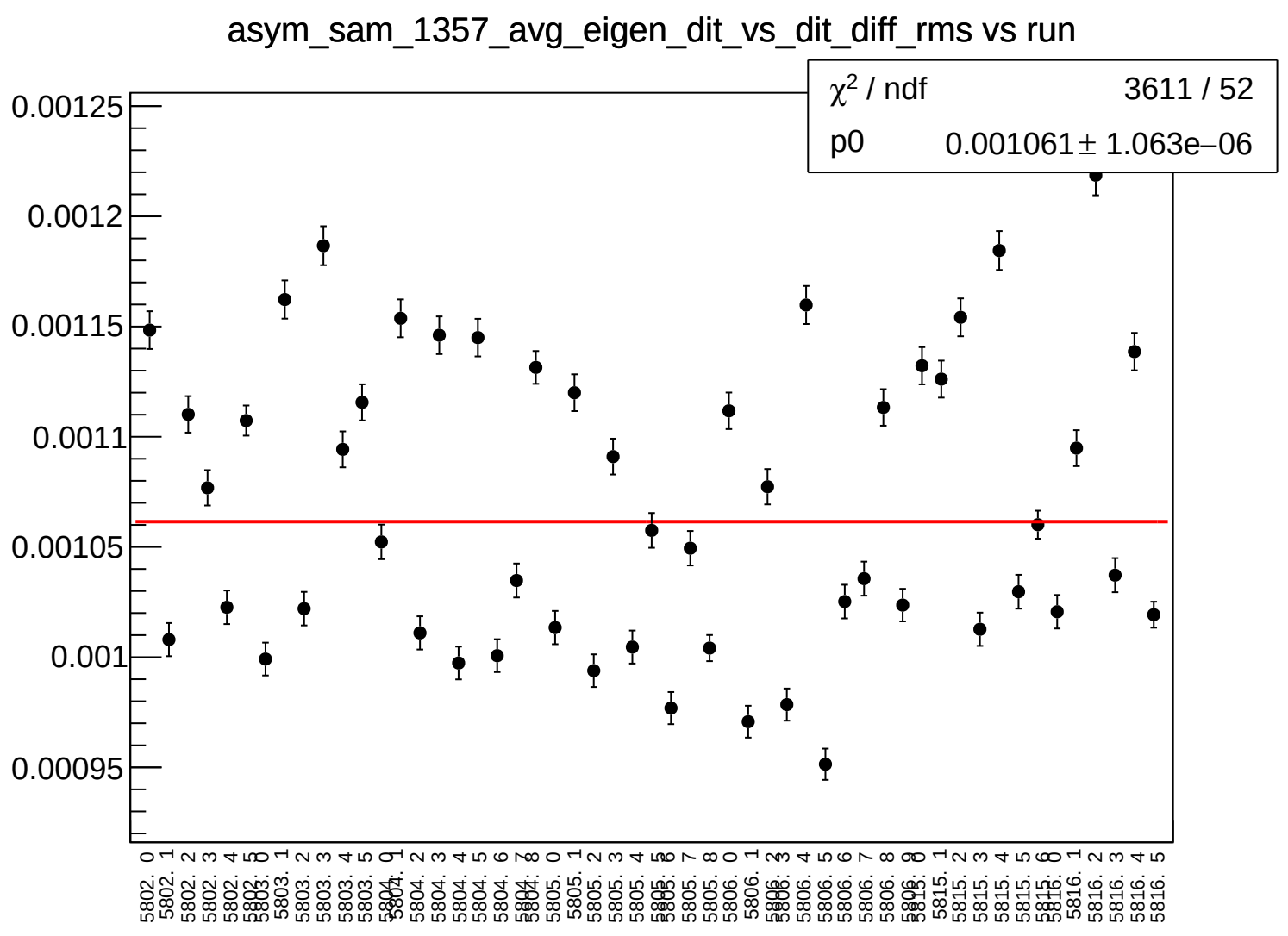

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.695e+04 / 52
p0 23.4 ± 0.02382
50
45
40
35
30
25
20
15

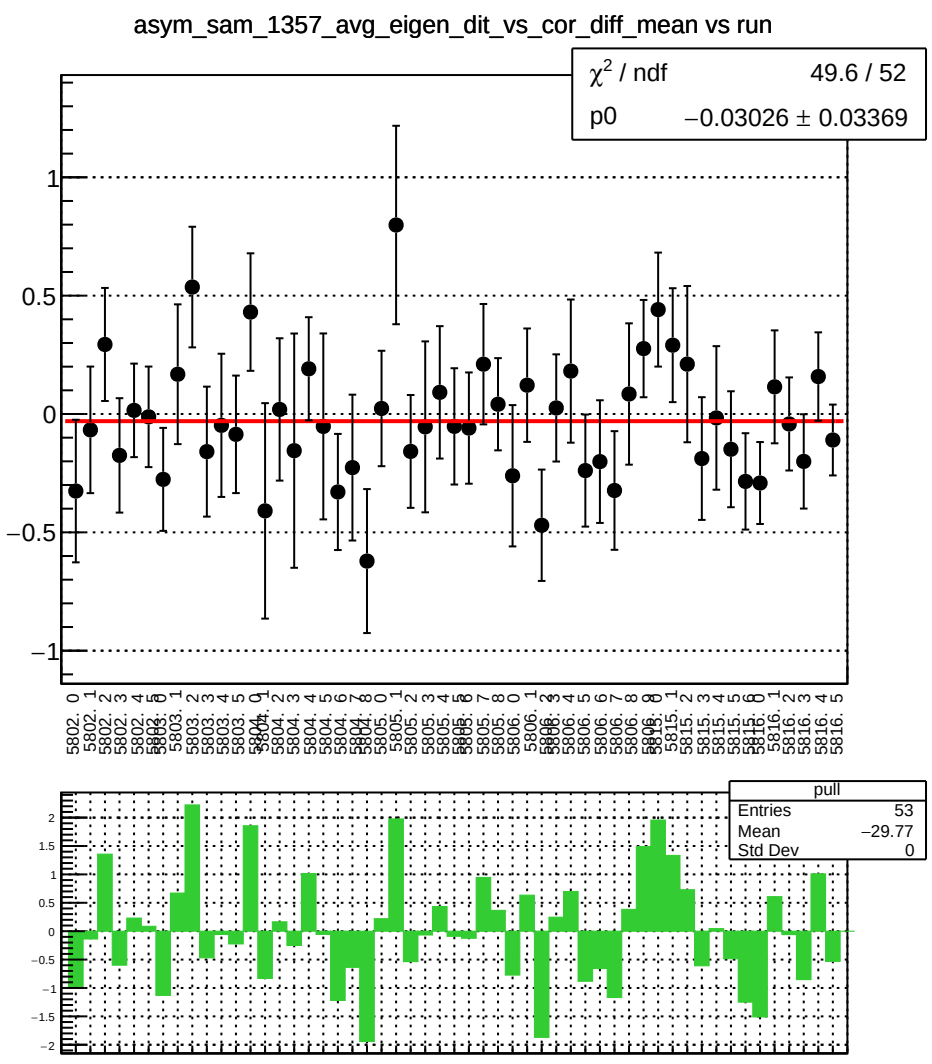

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.6 / 52
p0 −0.03026 ± 0.03369
pull
Entries 53
Mean −29.77
Std Dev 0
pull1D
Entries 53
Mean 0.01284
Std Dev 0.9673

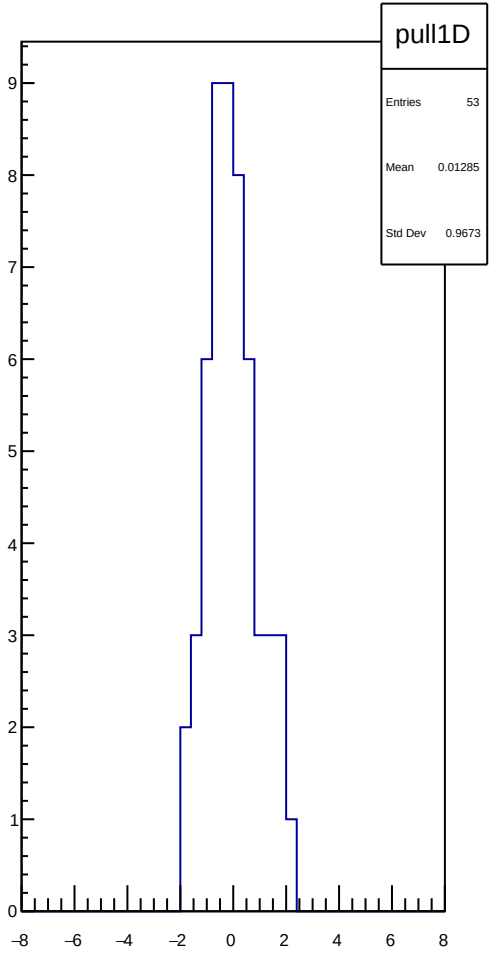

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.695e+04 / 52
p0 23.4 ± 0.02382
50
45
40
35
30
25
20
15

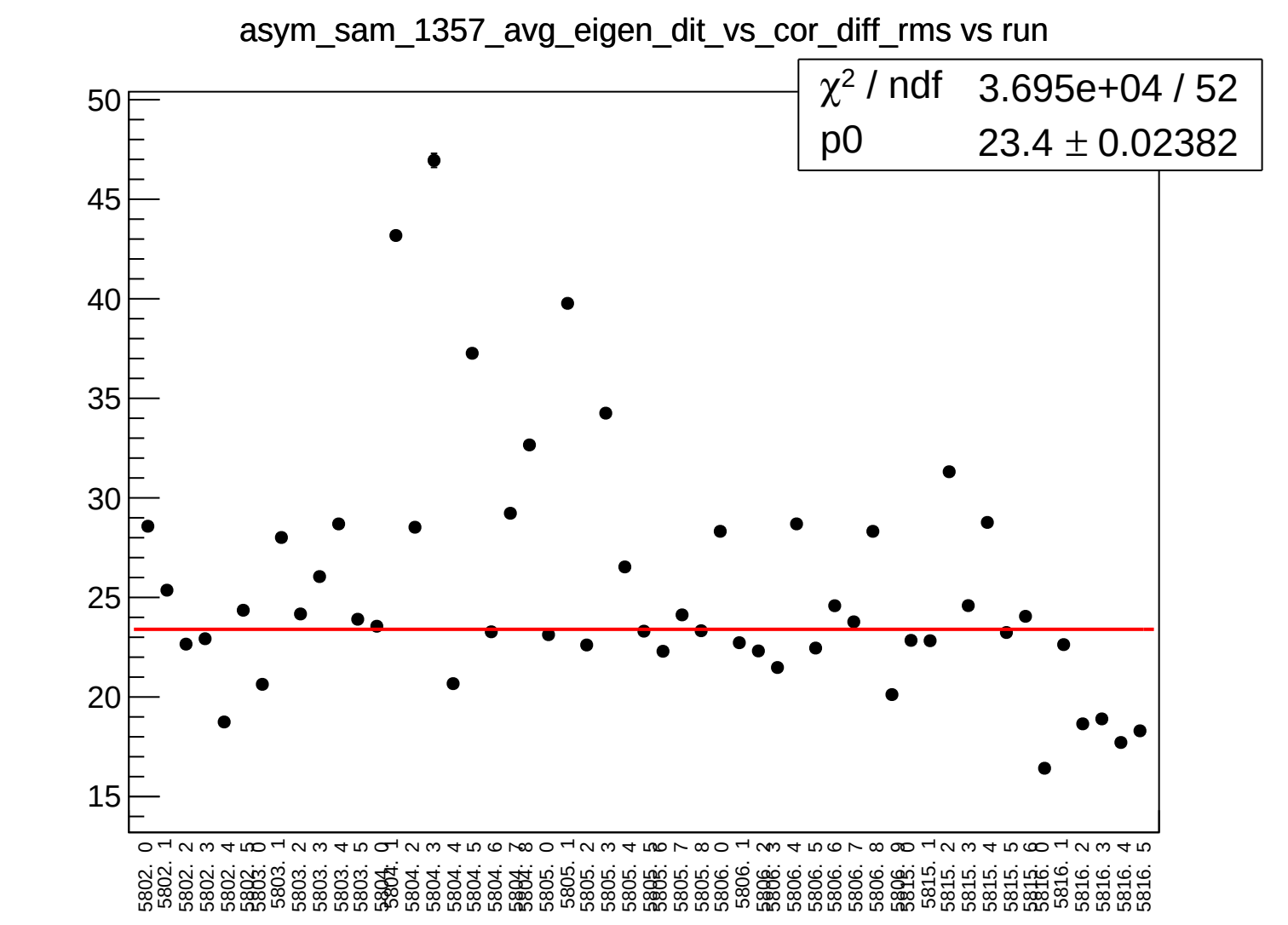

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.36 / 52
p0 −6.191e−07 ± 1.503e−06
pull
Entries 53
Mean −85.29
Std Dev 0


pull1D
Entries 53
Mean 0.02663
Std Dev 1.11

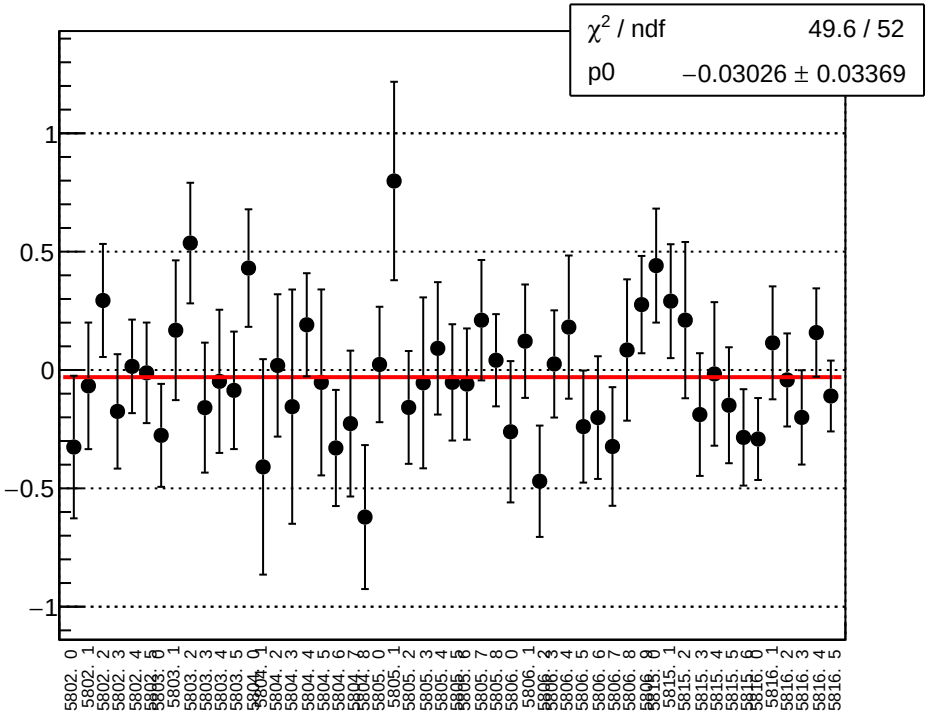

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3611 / 52
p0 0.001061 ± 1.063e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095

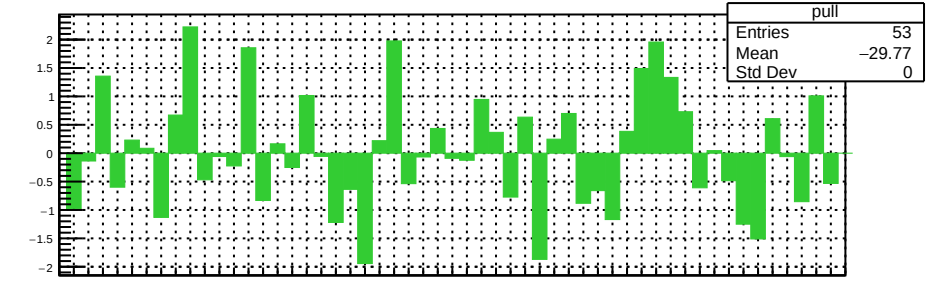

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.6 / 52
p0 −0.03026 ± 0.03369
pull
Entries 53
Mean −29.77
Std Dev 0

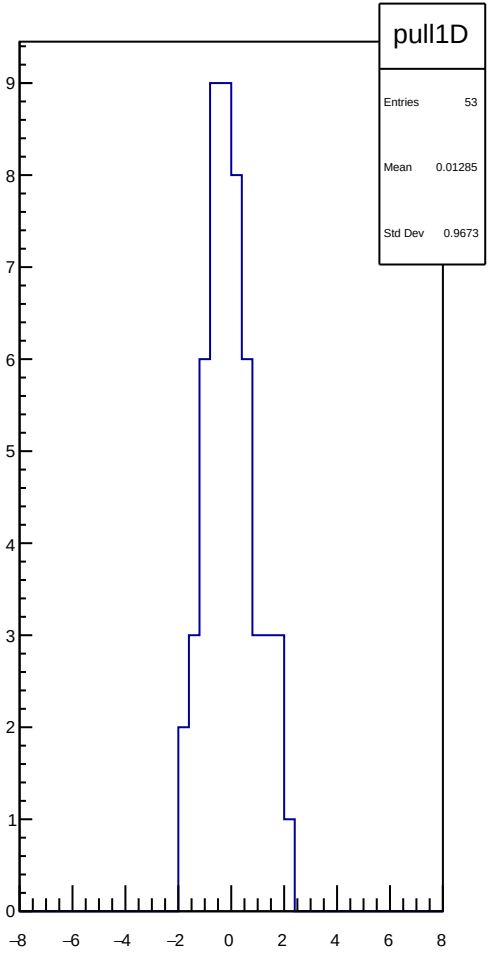

pull1D
Entries 53
Mean 0.01285
Std Dev 0.9673

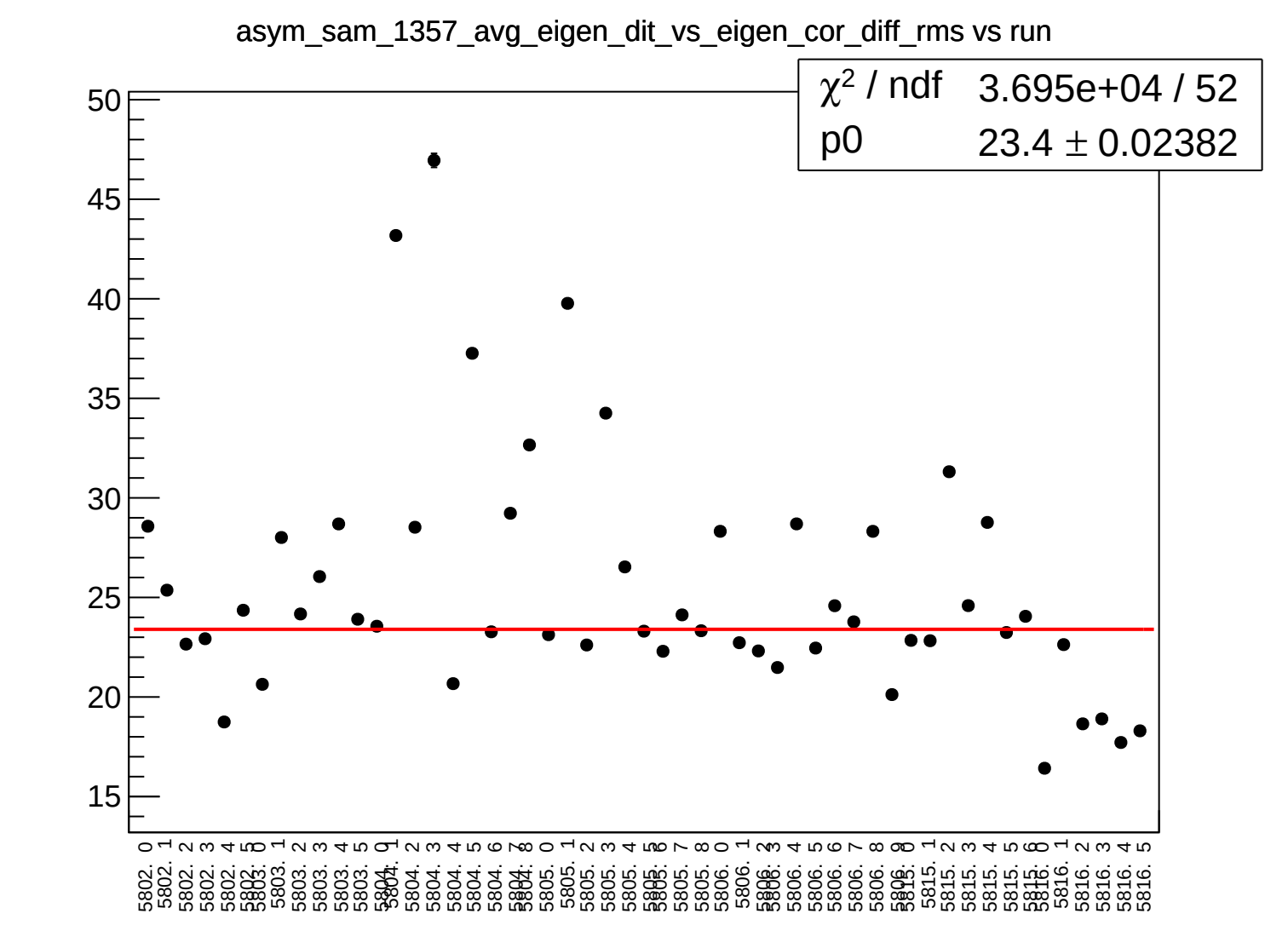

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.695e+04 / 52
p0 23.4 ± 0.02382
50
45
40
35
30
25
20
15

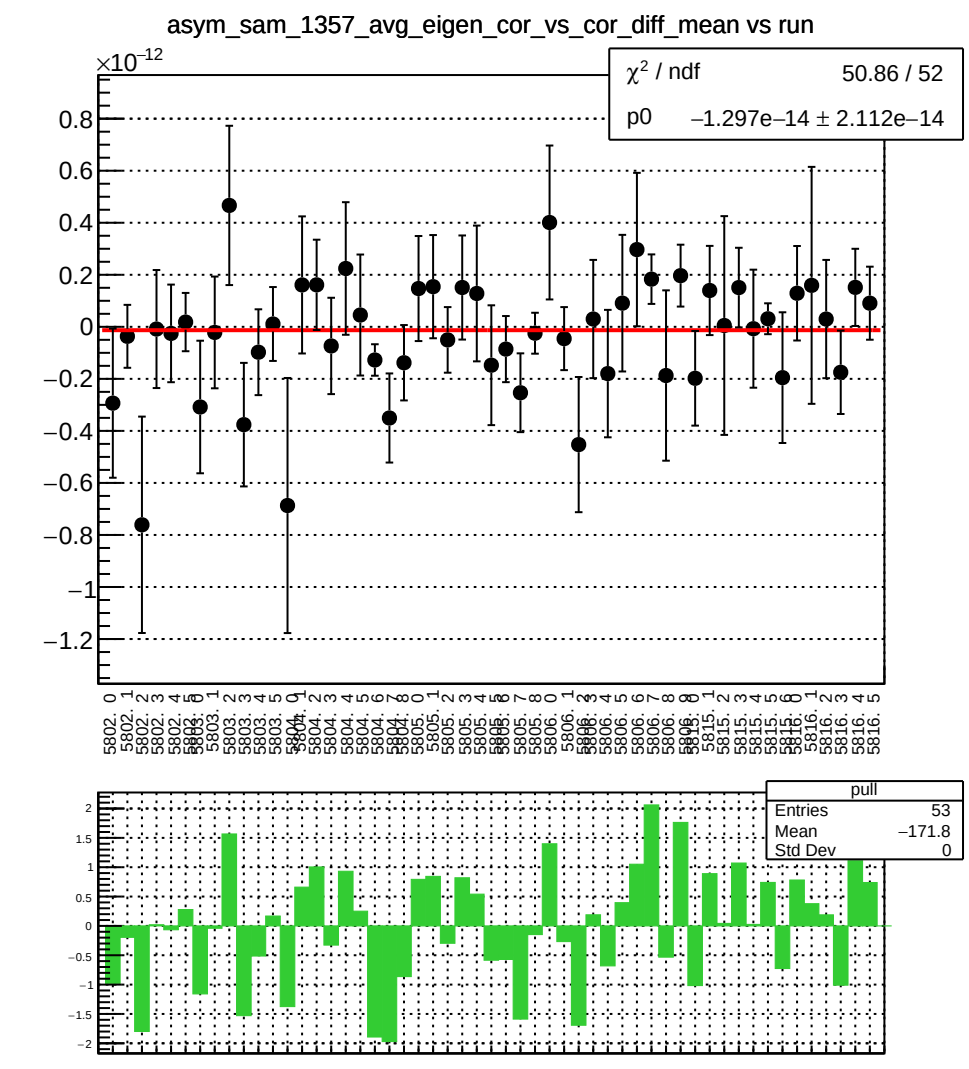
asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

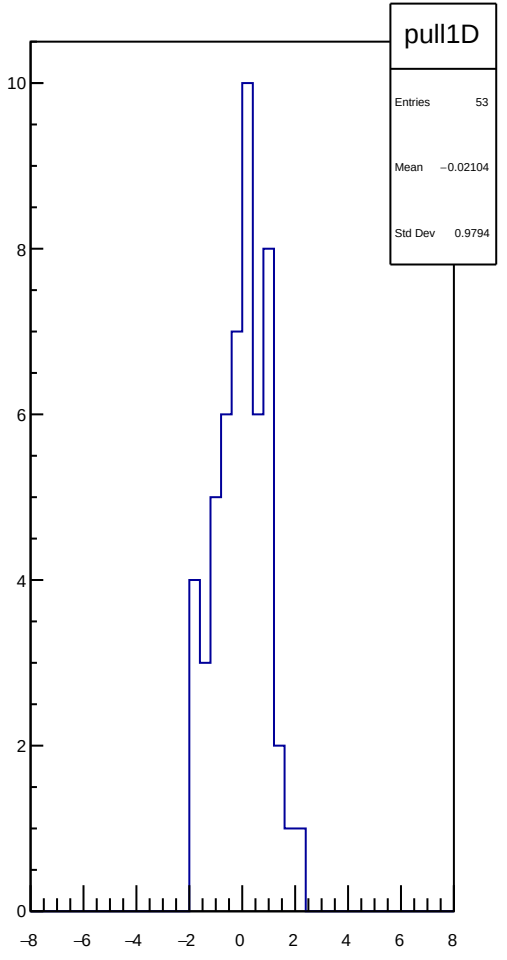


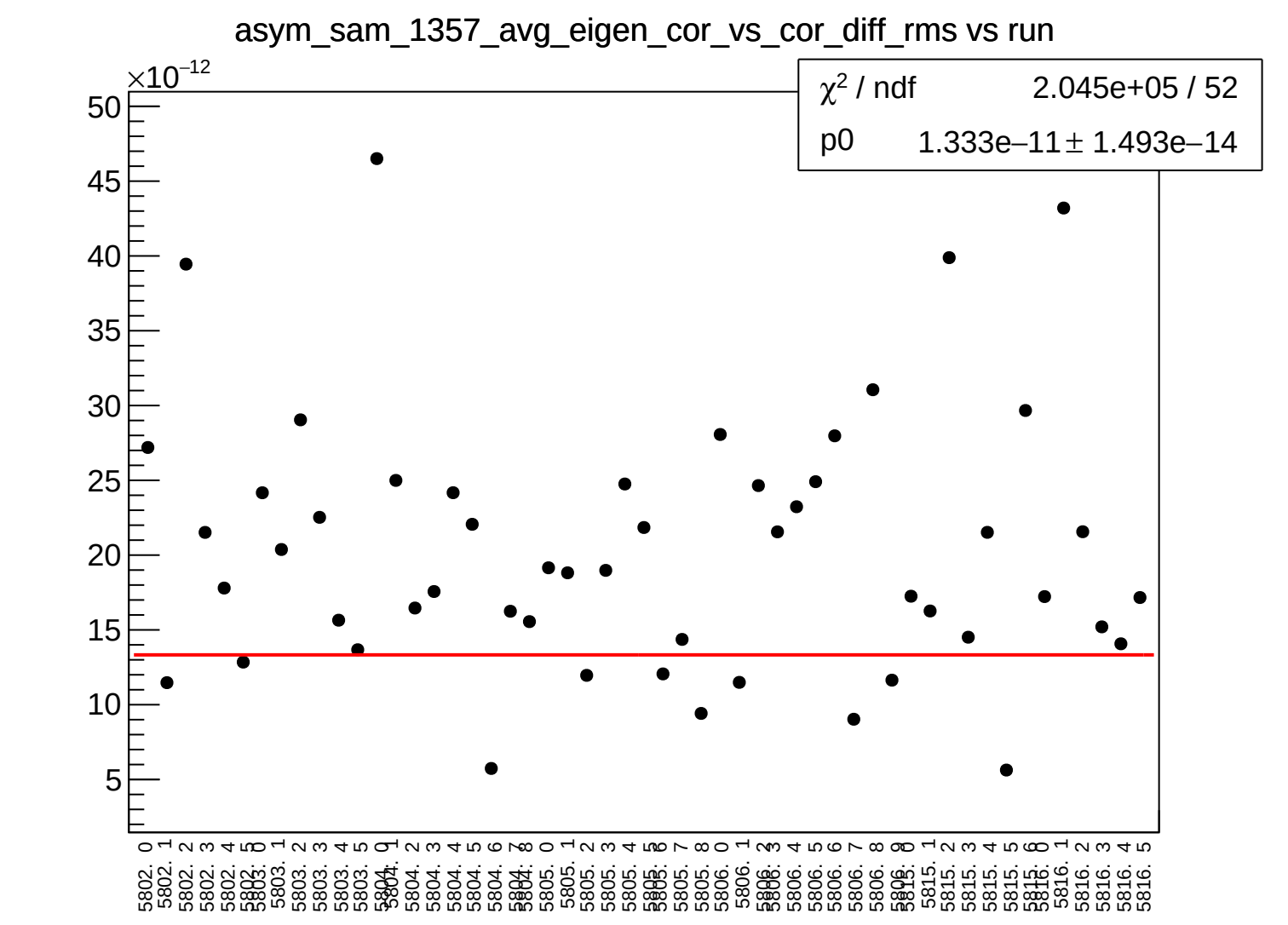


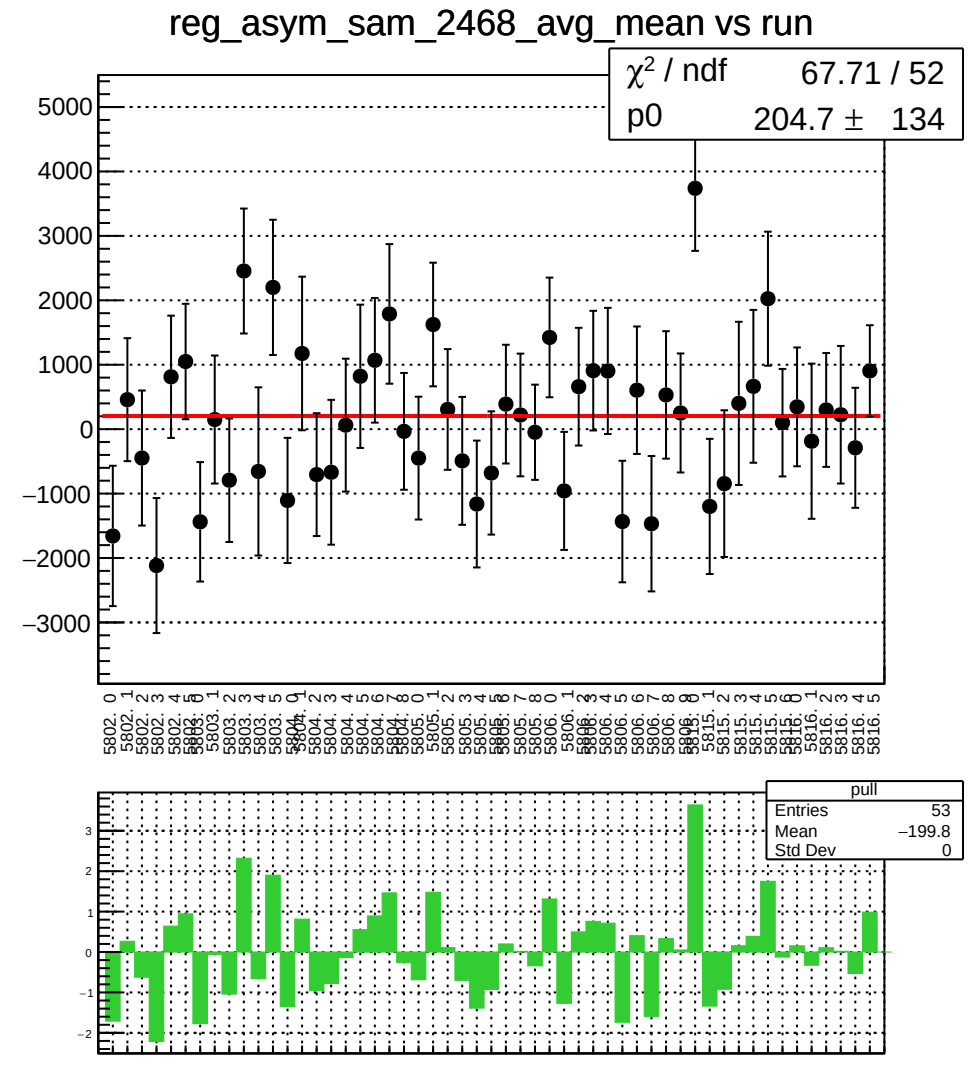


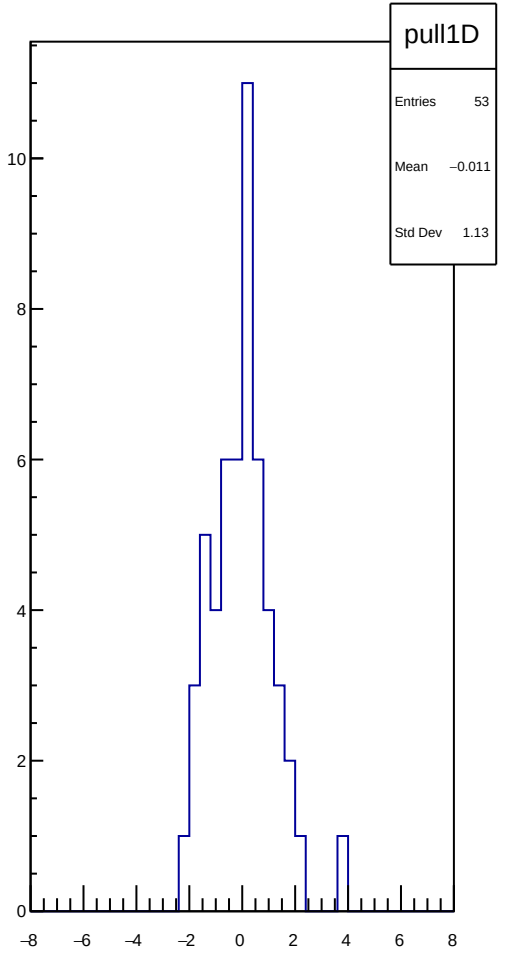

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.695e+04 / 52
p0 23.4 ± 0.02382
50
45
40
35
30
25
20
15

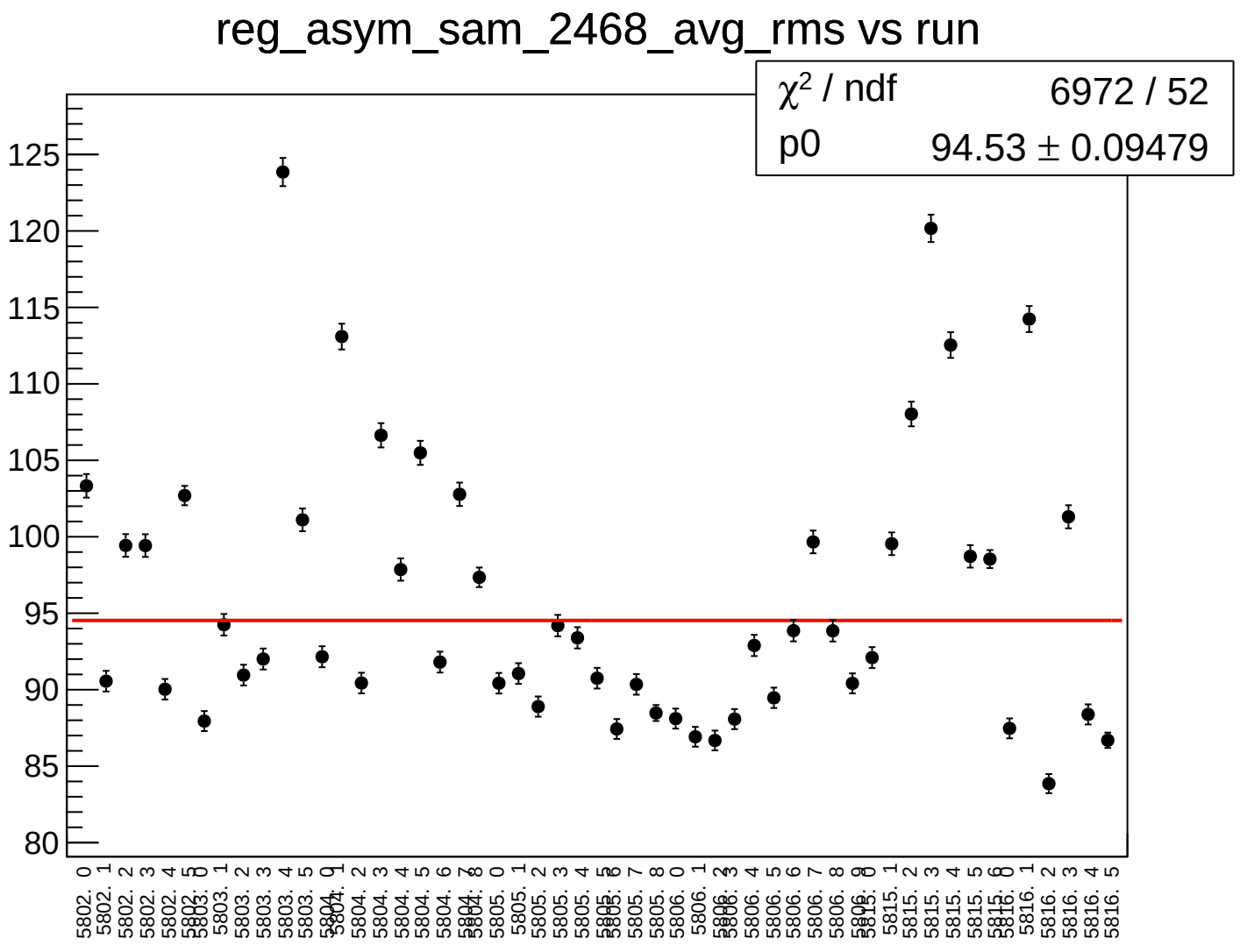

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.86 / 52
p0 −1.297e−14 ± 2.112e−14
pull
Entries 53
Mean −171.8
Std Dev 0


pull1D
Entries 53
Mean −0.02104
Std Dev 0.9794


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.045e+05 / 52
p0 1.333e−11 ± 1.493e−14
50
45
40
35
30
25
20
15
10
5


reg_asym_sam_2468_avg_mean vs run
χ² / ndf 67.71 / 52
p0 204.7 ± 134
pull
Entries 53
Mean −199.8
Std Dev 0


pull1D
Entries 53
Mean −0.011
Std Dev 1.13


reg_asym_sam_2468_avg_rms vs run
χ² / ndf 6972 / 52
p0 94.53 ± 0.09479
125
120
115
110
105
100
95
90
85
80
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
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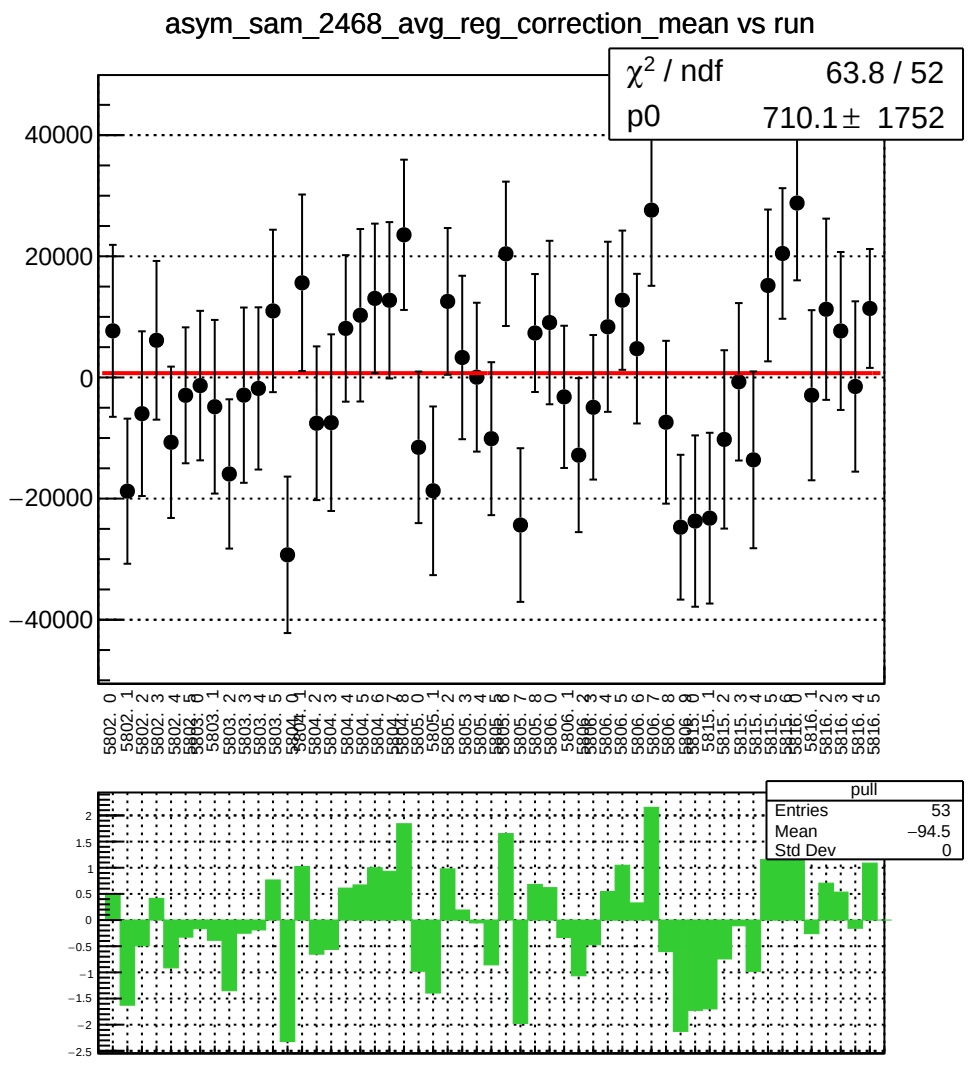
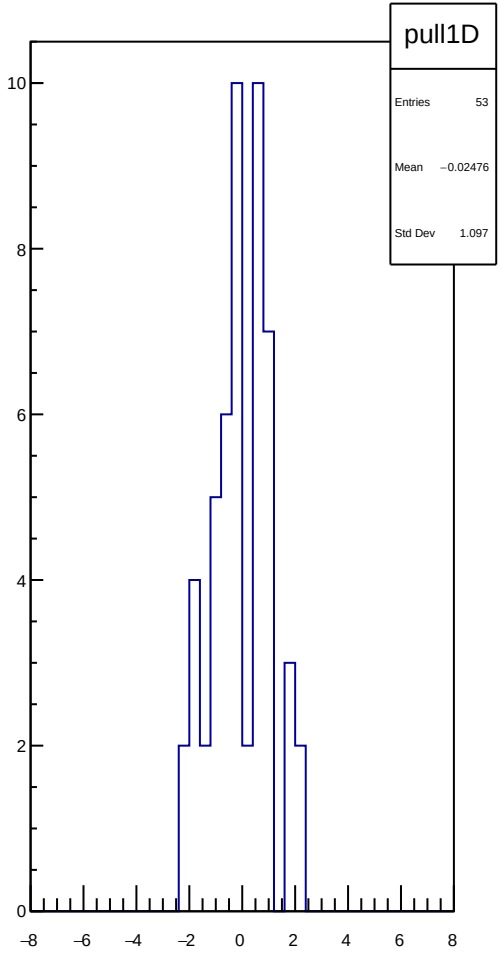
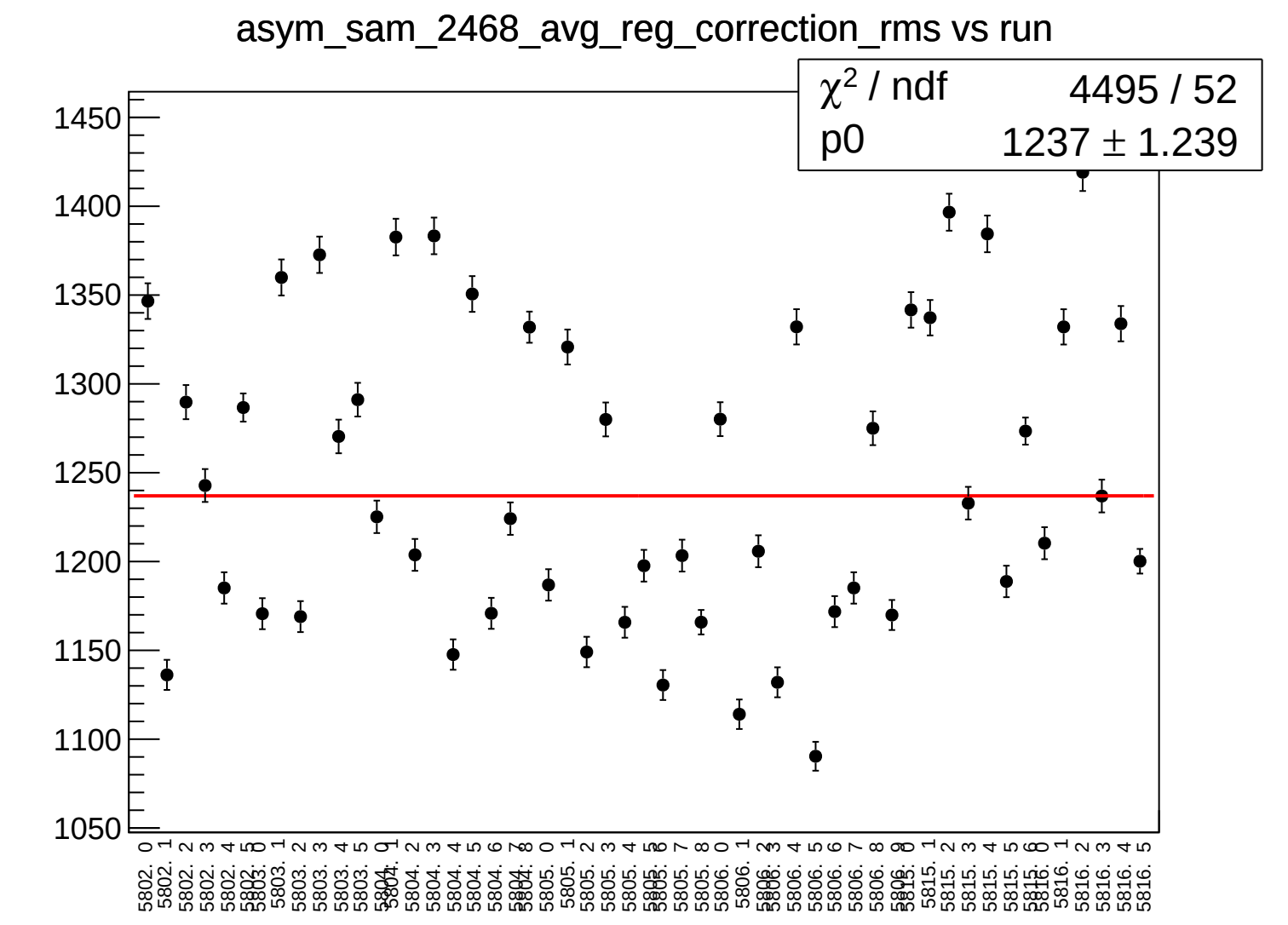
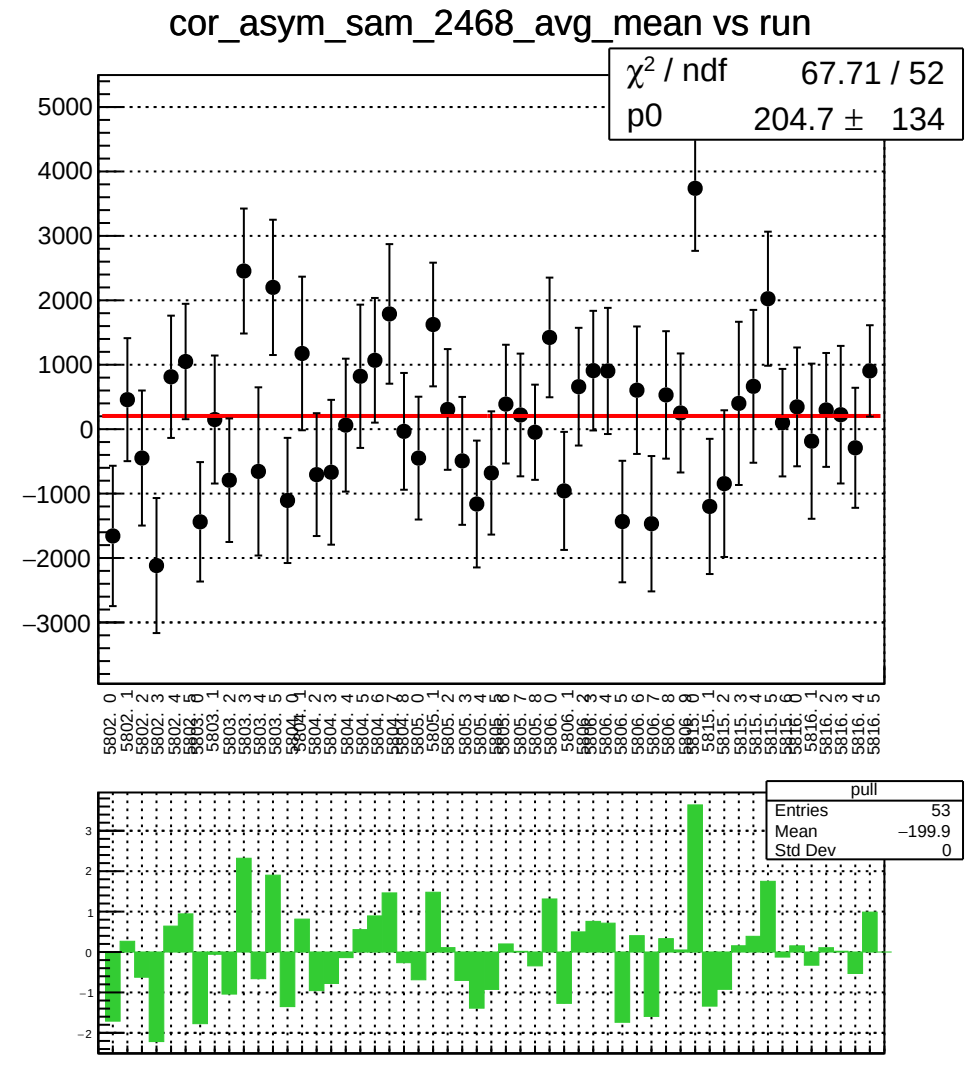
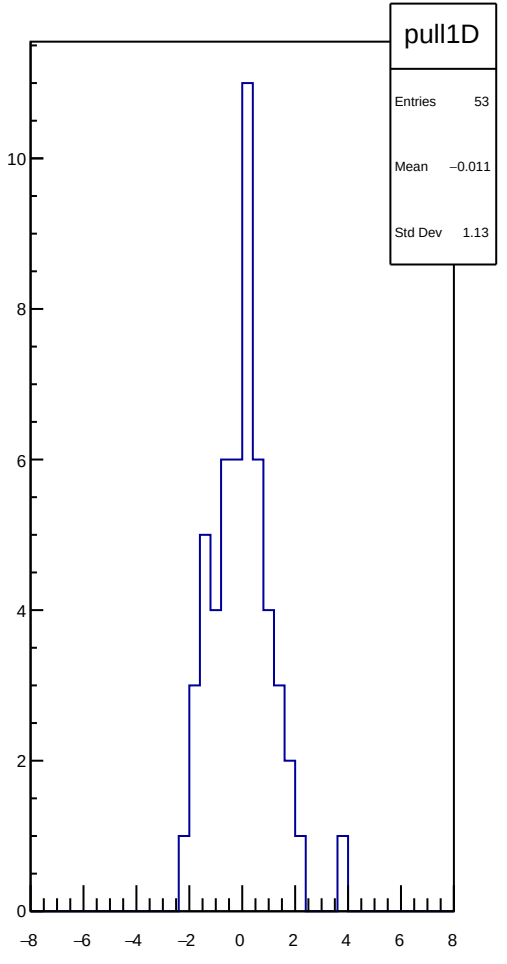
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

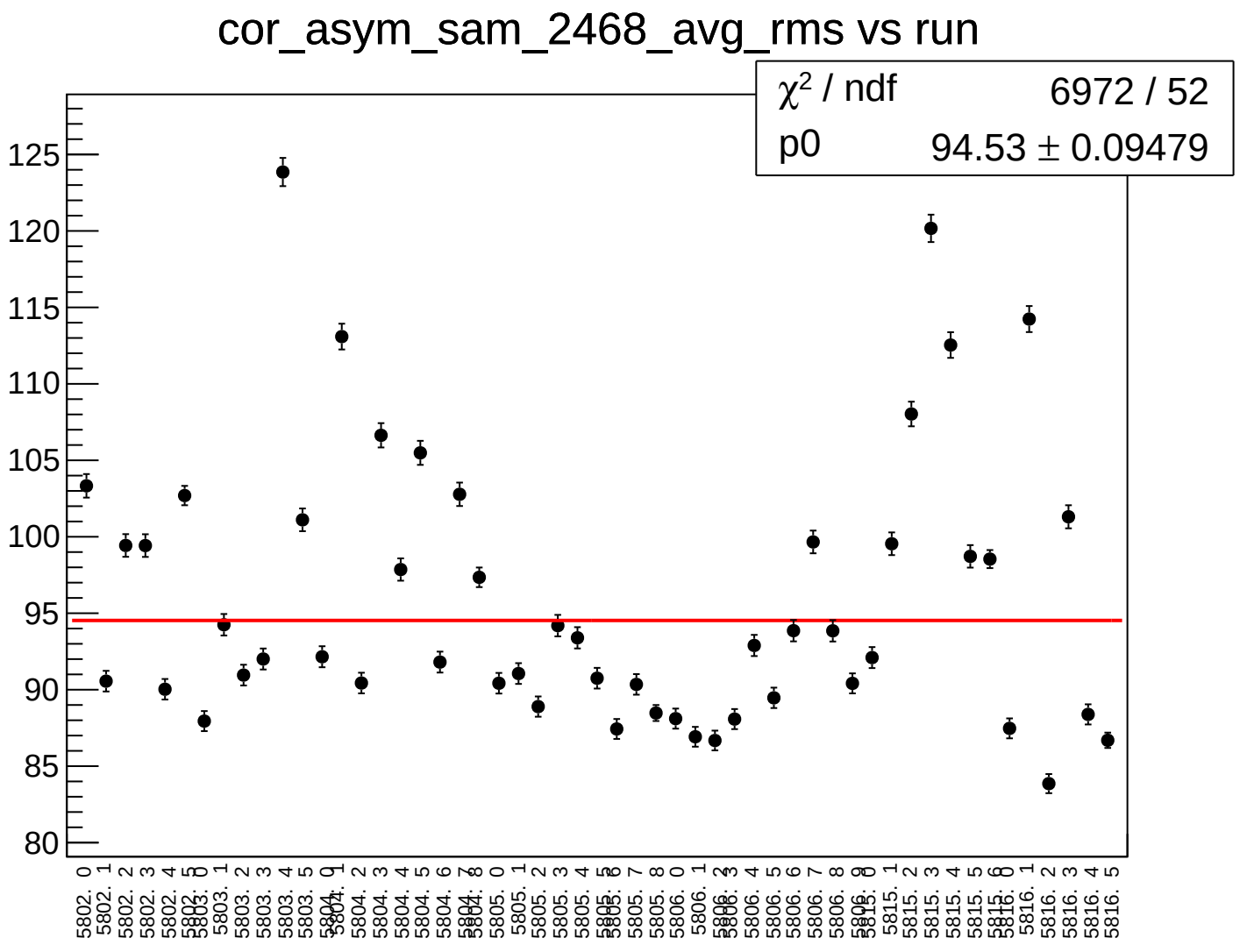

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 63.8 / 52
p0 710.1 ± 1752
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −94.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

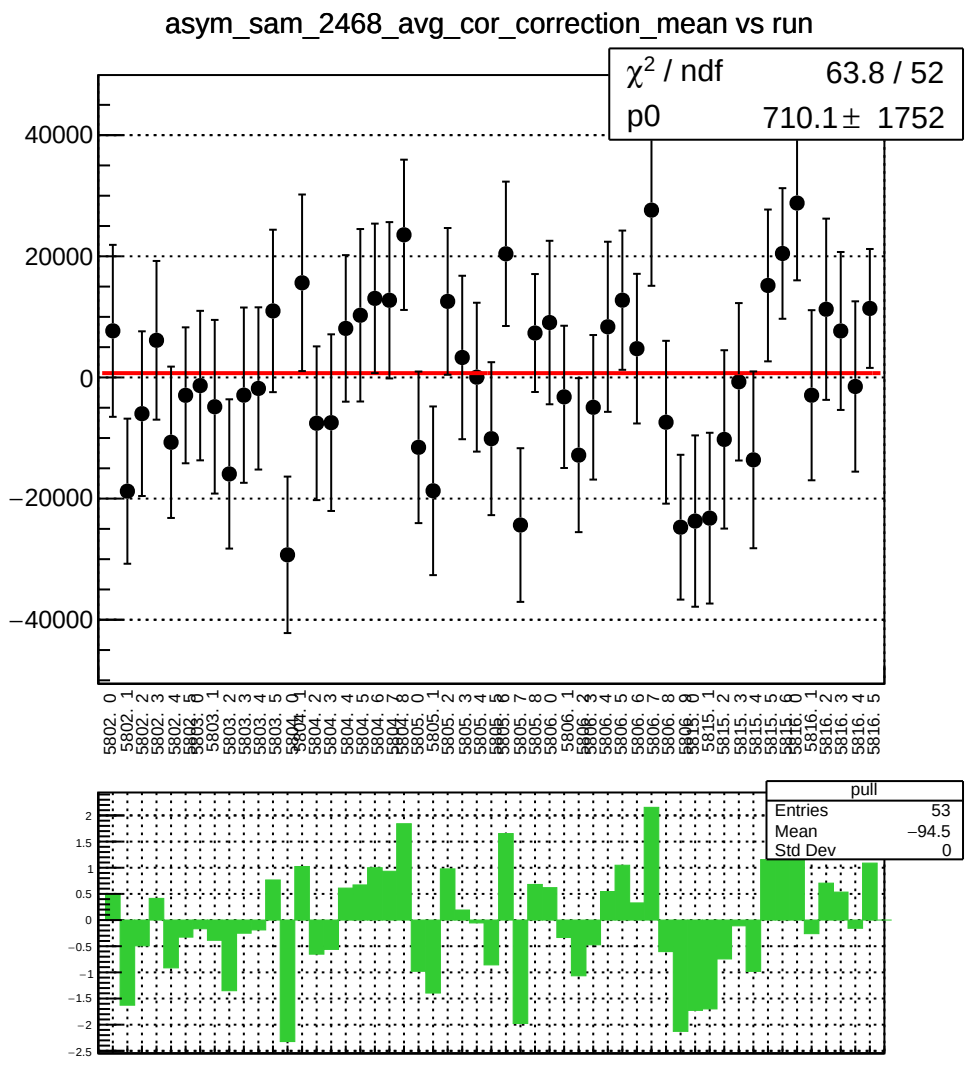

pull1D
Entries 53
Mean −0.02476
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

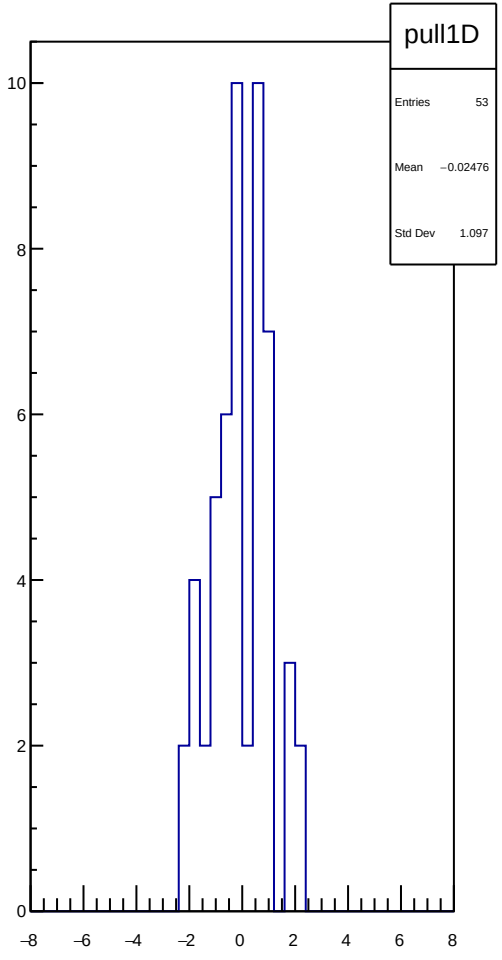

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 4495 / 52
p0 1237 ± 1.239
1450
1400
1350
1300
1250
1200
1150
1100
1050


cor_asym_sam_2468_avg_mean vs run
χ² / ndf 67.71 / 52
p0 204.7 ± 134
pull
Entries 53
Mean −199.9
Std Dev 0


pull1D
Entries 53
Mean −0.011
Std Dev 1.13


cor_asym_sam_2468_avg_rms vs run
χ² / ndf 6972 / 52
p0 94.53 ± 0.09479
125
120
115
110
105
100
95
90
85
80


asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 63.8 / 52
p0 710.1 ± 1752
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −94.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.02476
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
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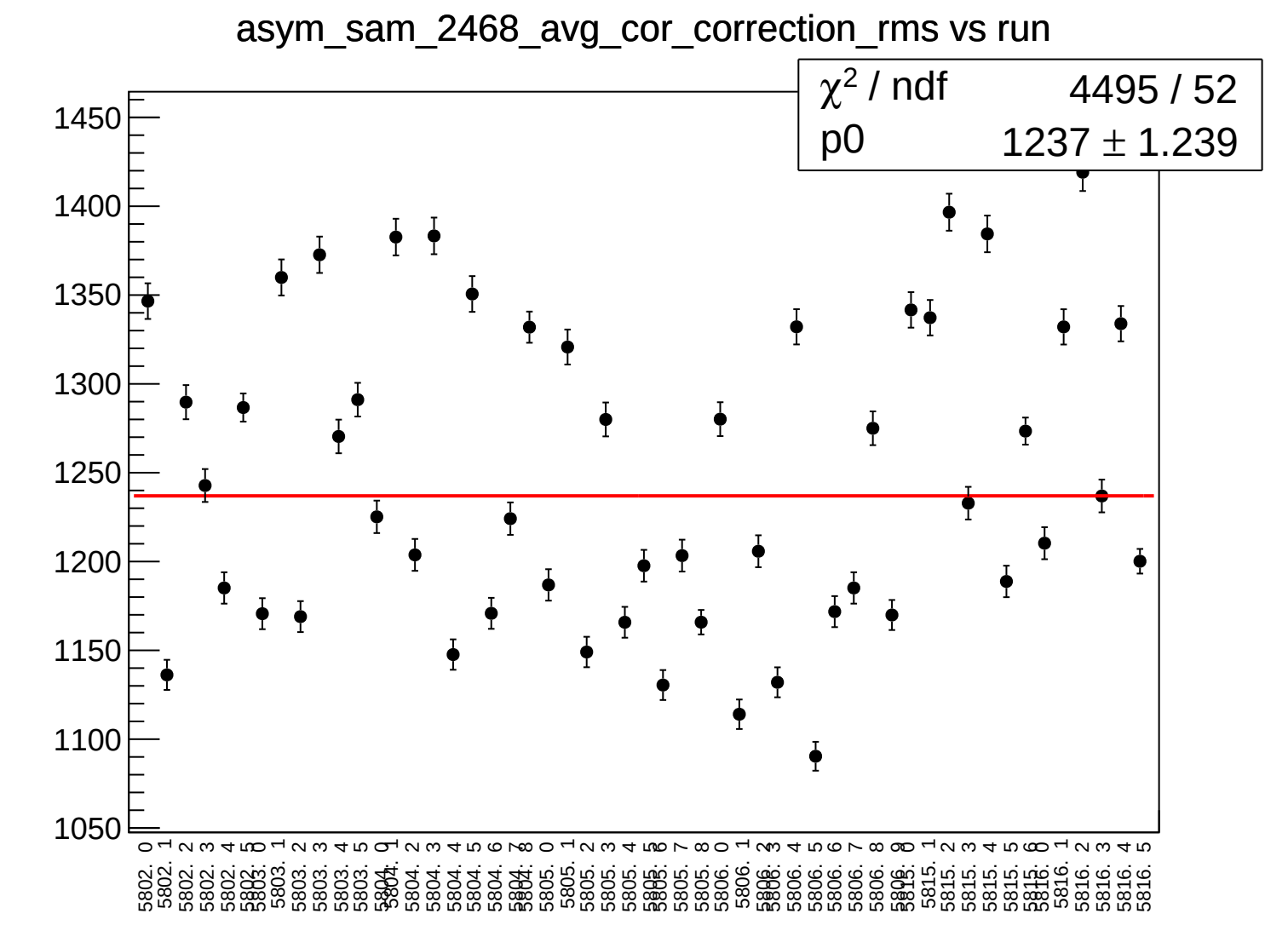
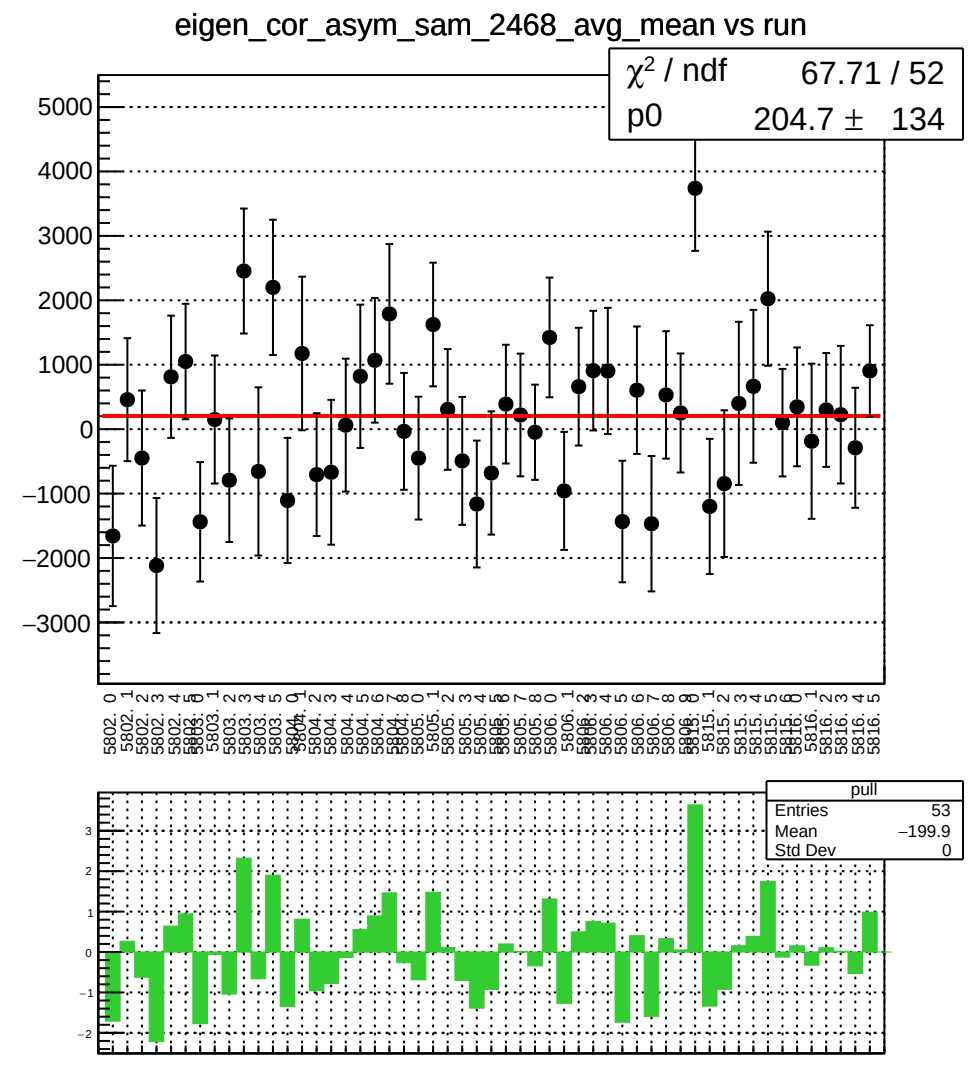
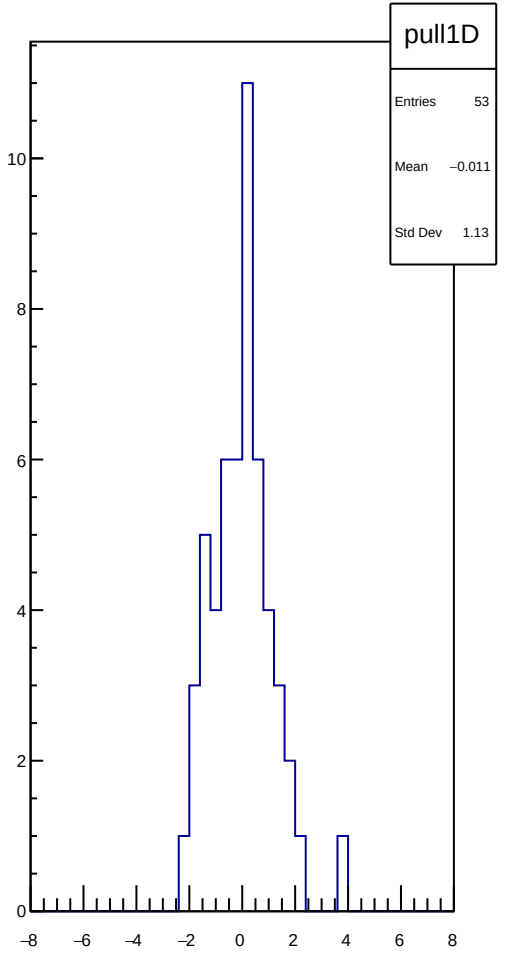
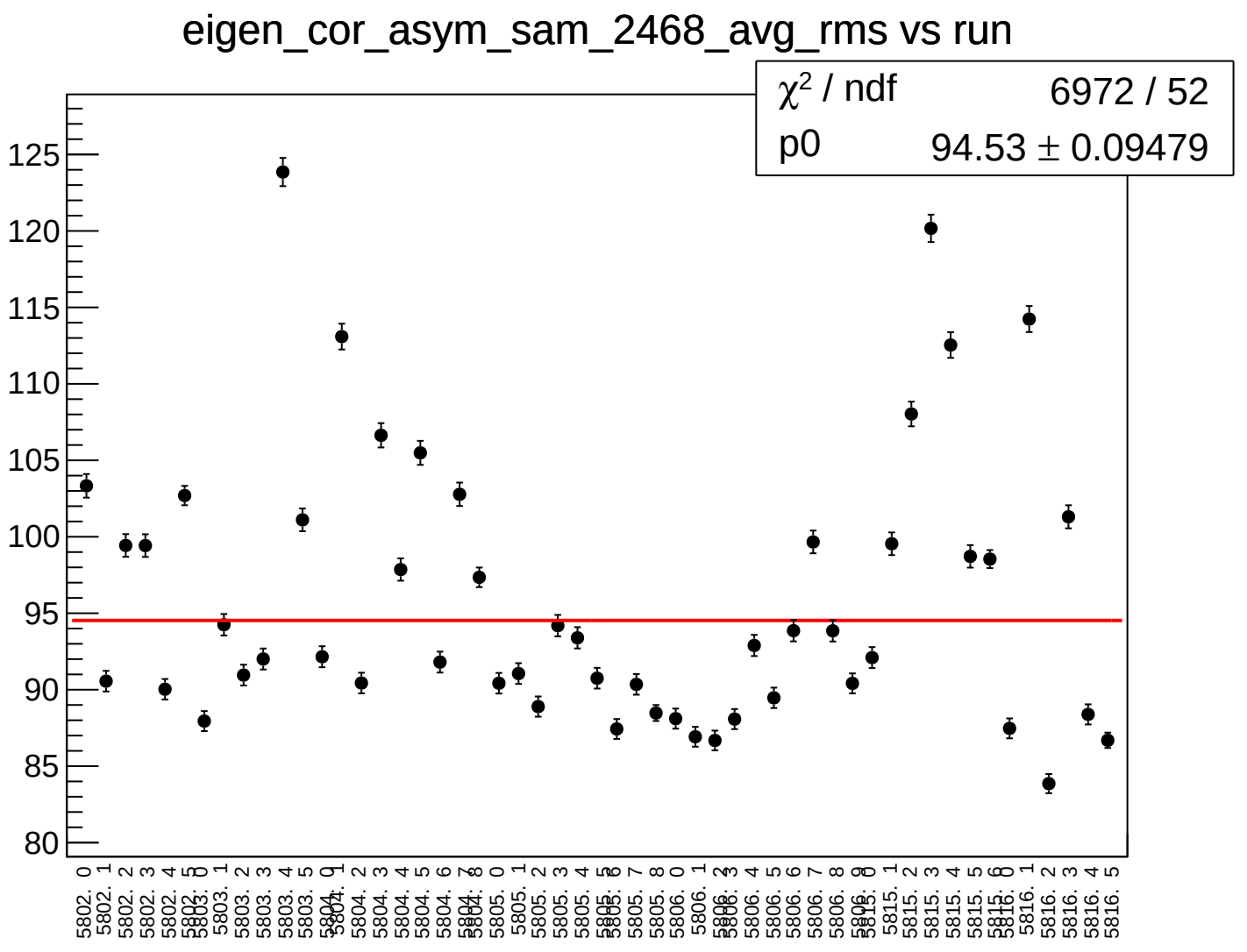
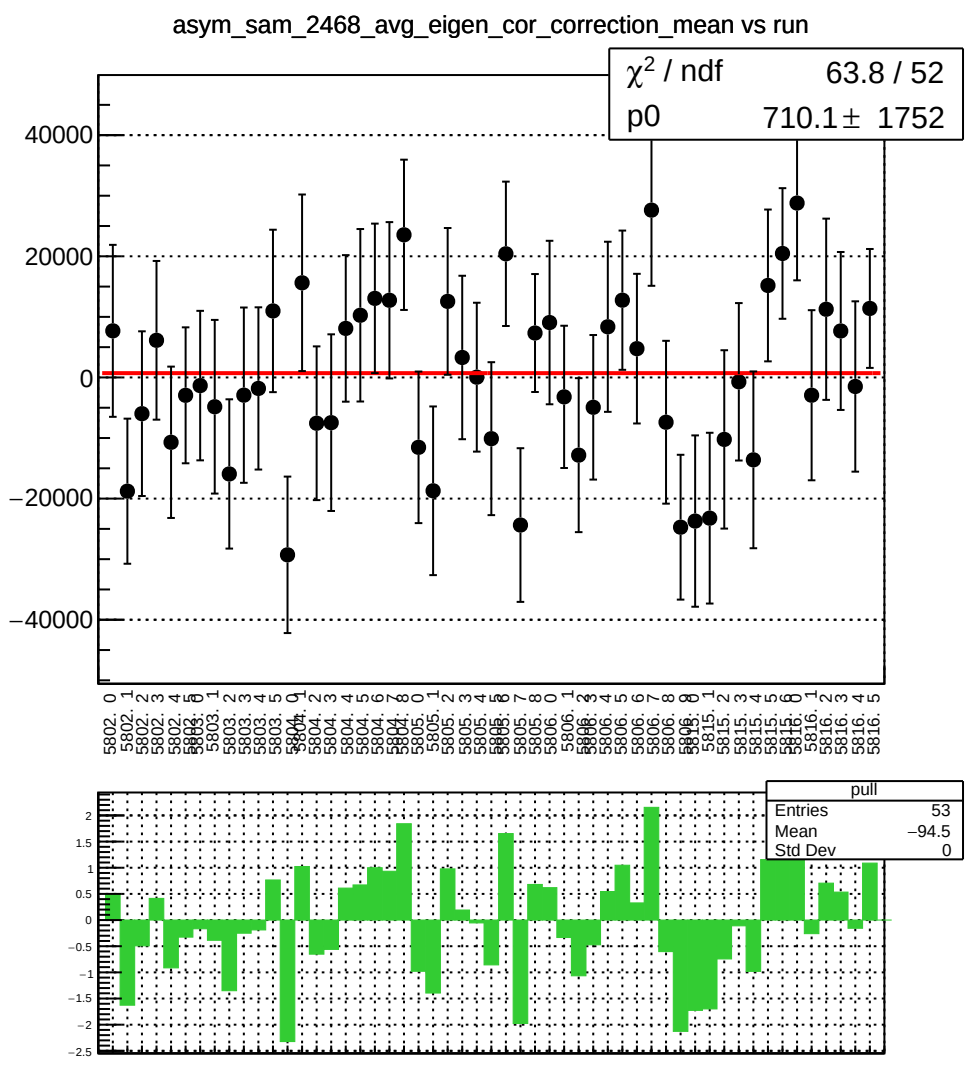
2
4
6
8

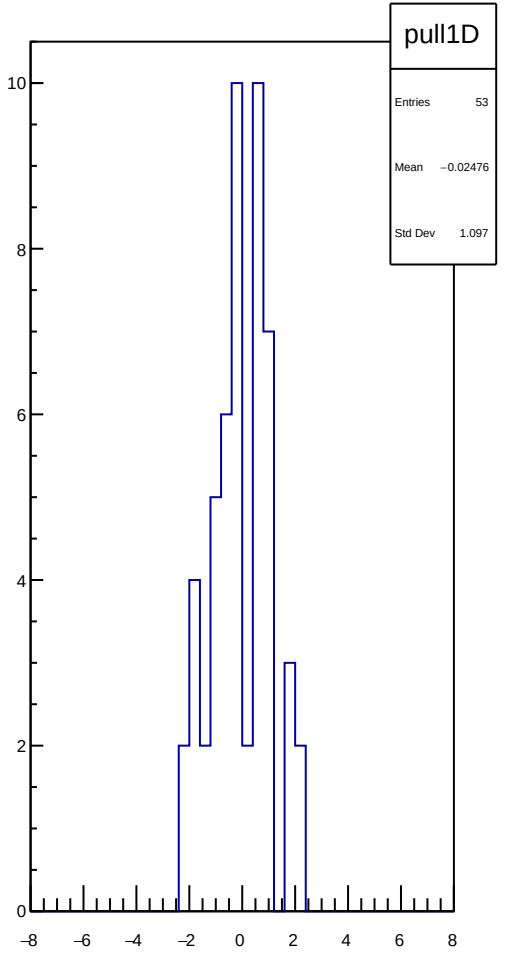

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 4495 / 52
p0 1237 ± 1.239
1450
1400
1350
1300
1250
1200
1150
1100
1050


eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 67.71 / 52
p0 204.7 ± 134
pull
Entries 53
Mean −199.9
Std Dev 0


pull1D
Entries 53
Mean −0.011
Std Dev 1.13


eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 6972 / 52
p0 94.53 ± 0.09479
125
120
115
110
105
100
95
90
85
80


asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.8 / 52
p0 710.1 ± 1752
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −94.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.02476
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
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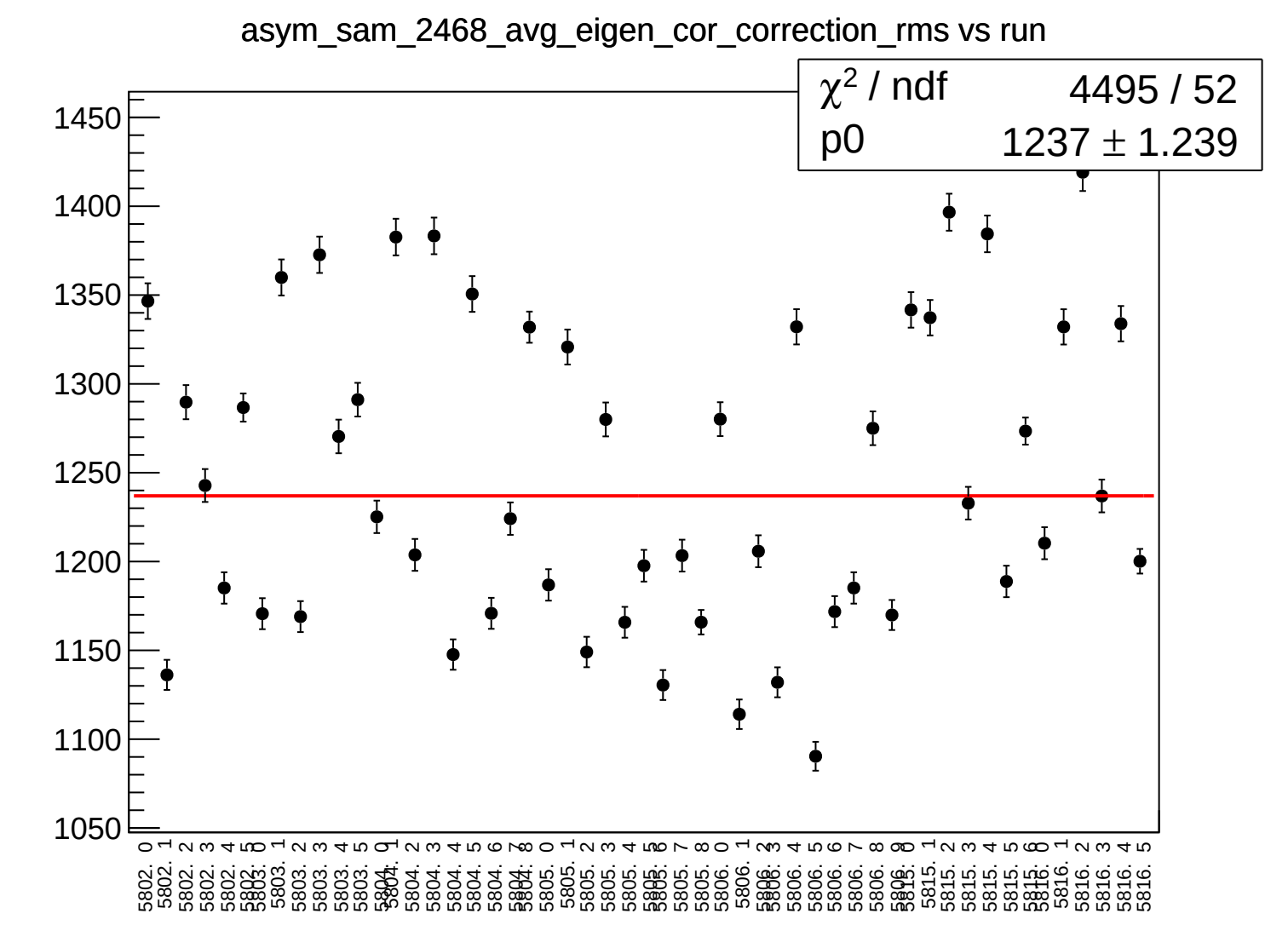
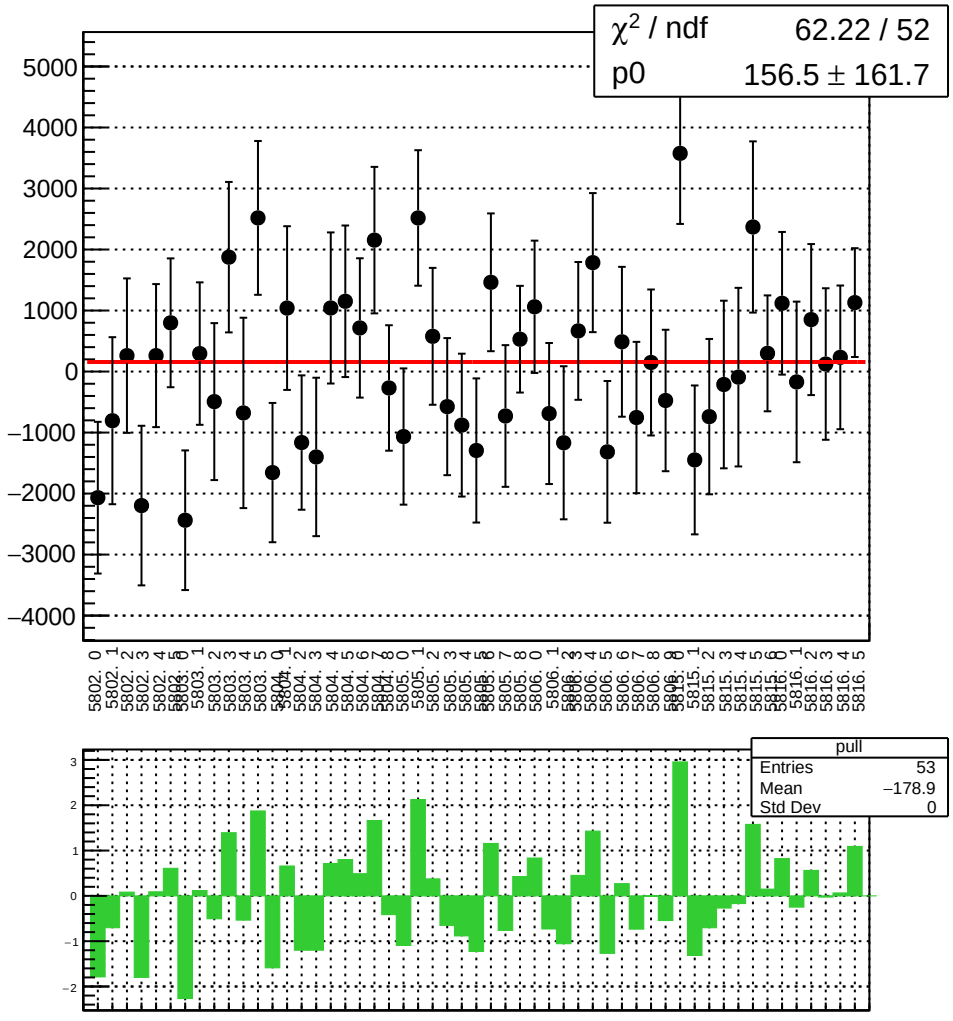
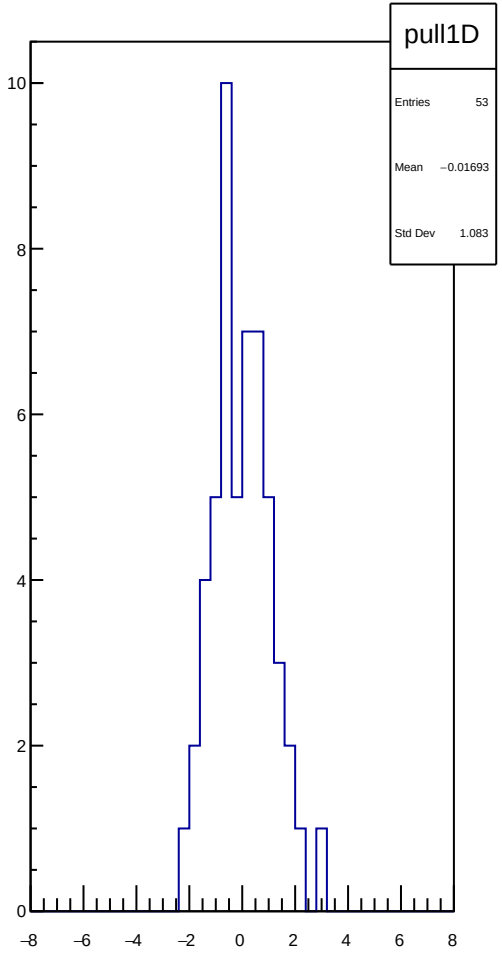
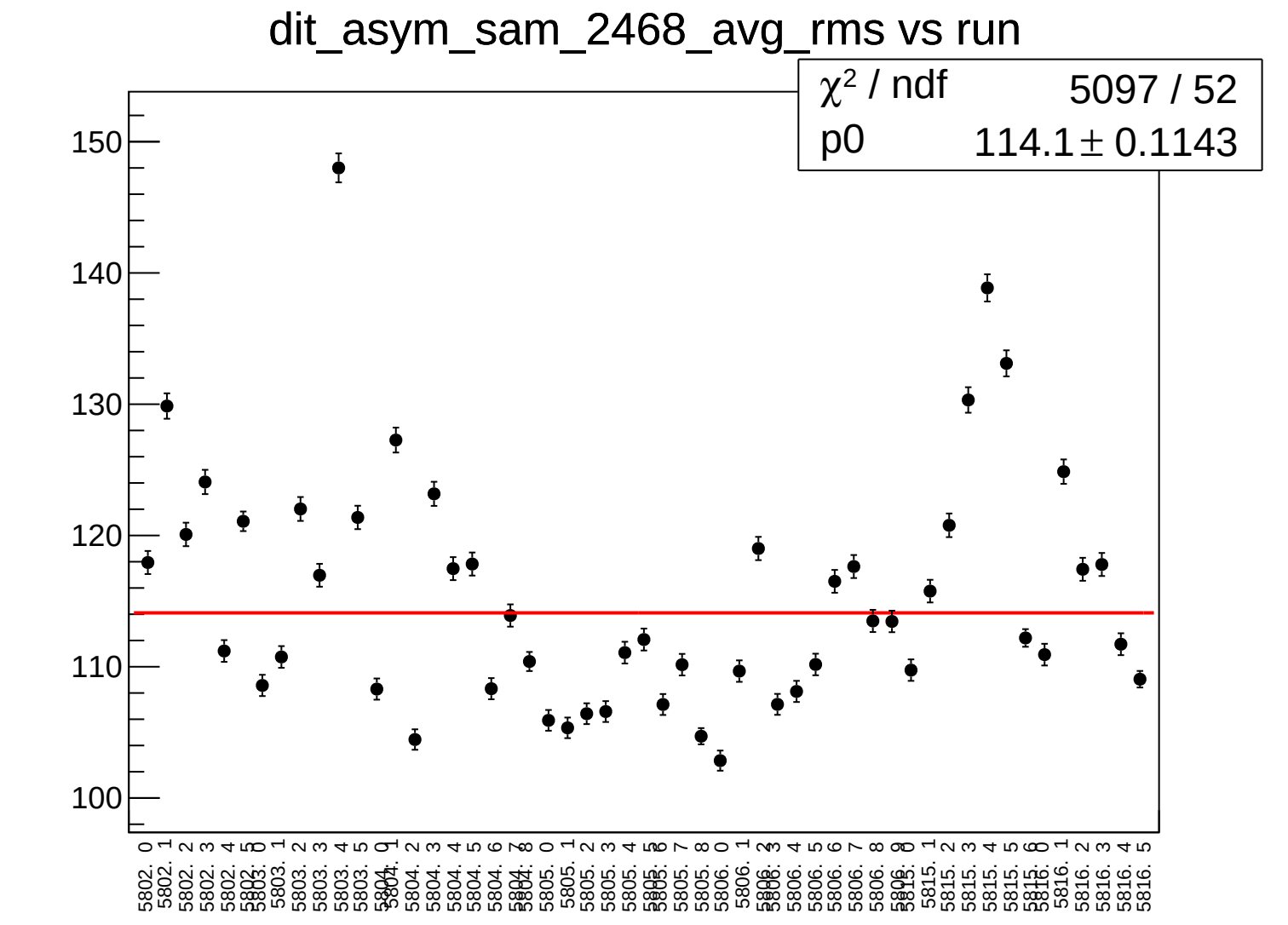
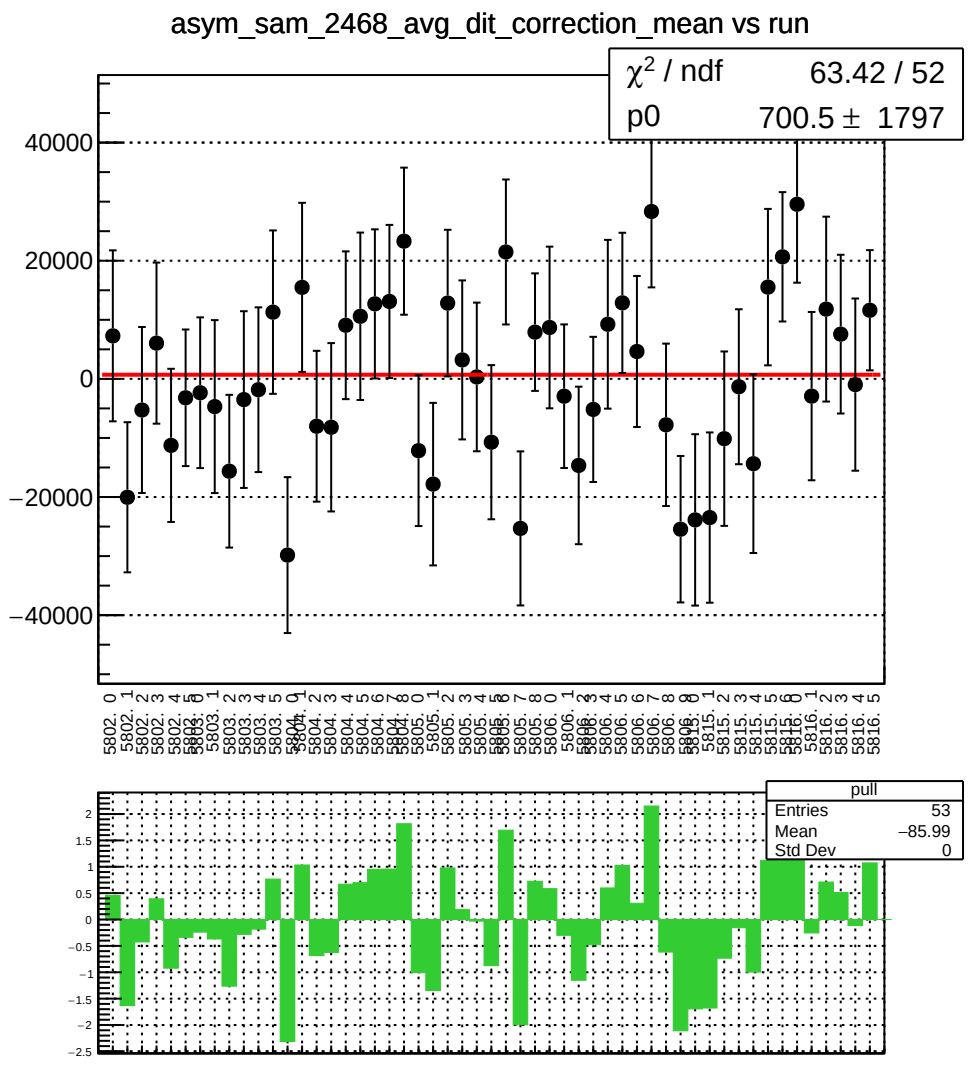
2
4
6
8

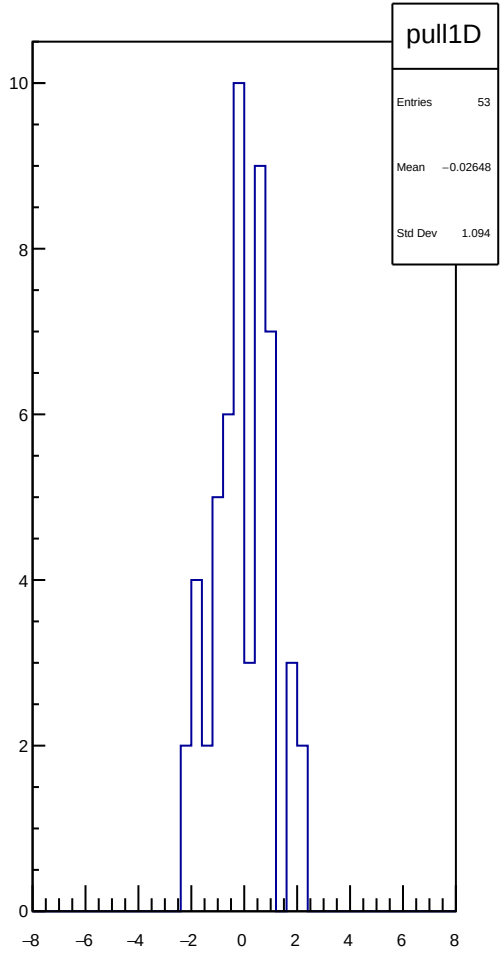

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 4495 / 52
p0 1237 ± 1.239
1450
1400
1350
1300
1250
1200
1150
1100
1050
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

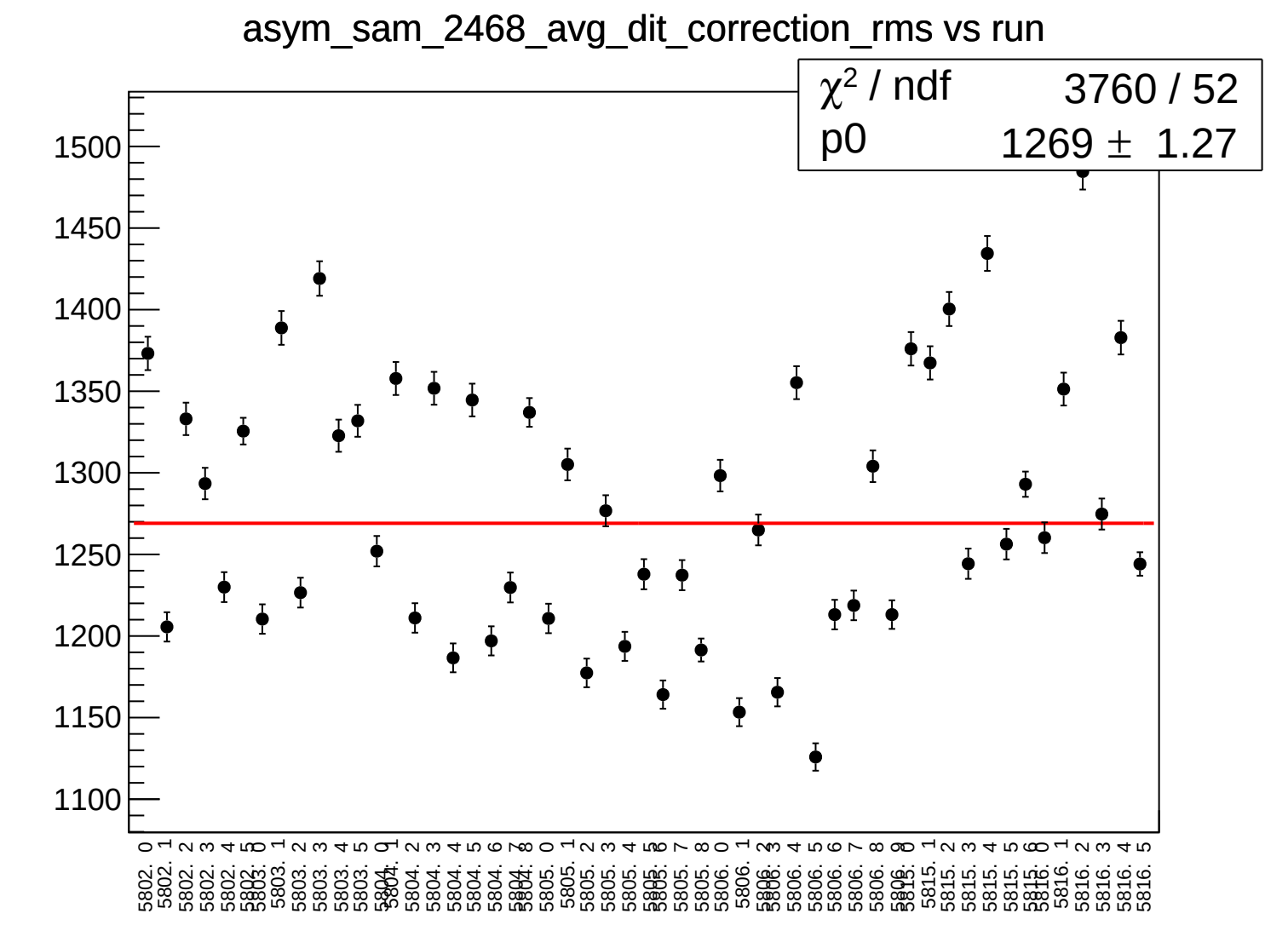

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 62.22 / 52
p0 156.5 ± 161.7
pull
Entries 53
Mean −178.9
Std Dev 0

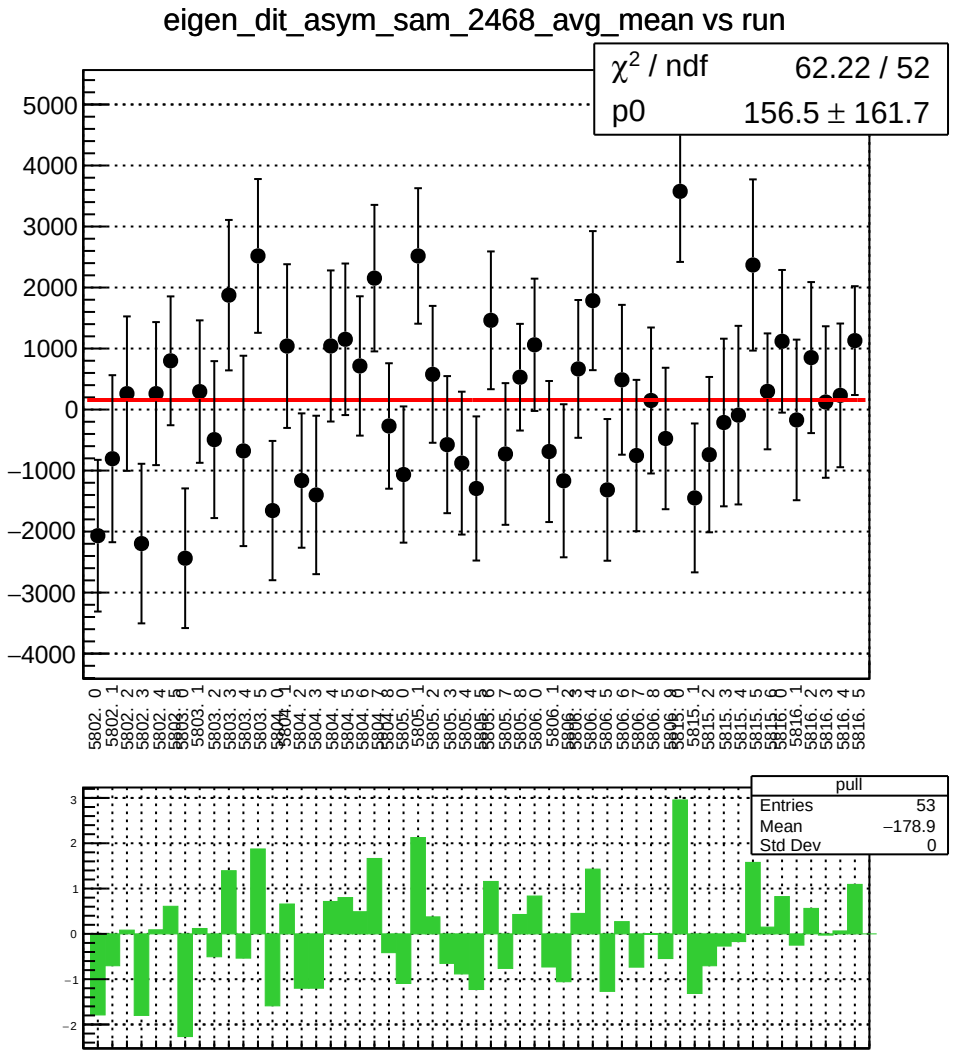

pull1D
Entries 53
Mean −0.01693
Std Dev 1.083

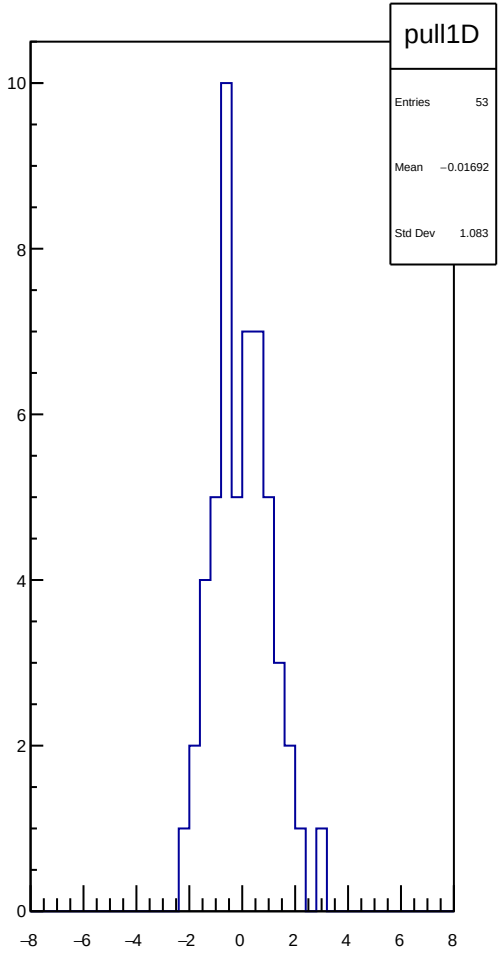

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5097 / 52
p0 114.1 ± 0.1143
150
140
130
120
110
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5

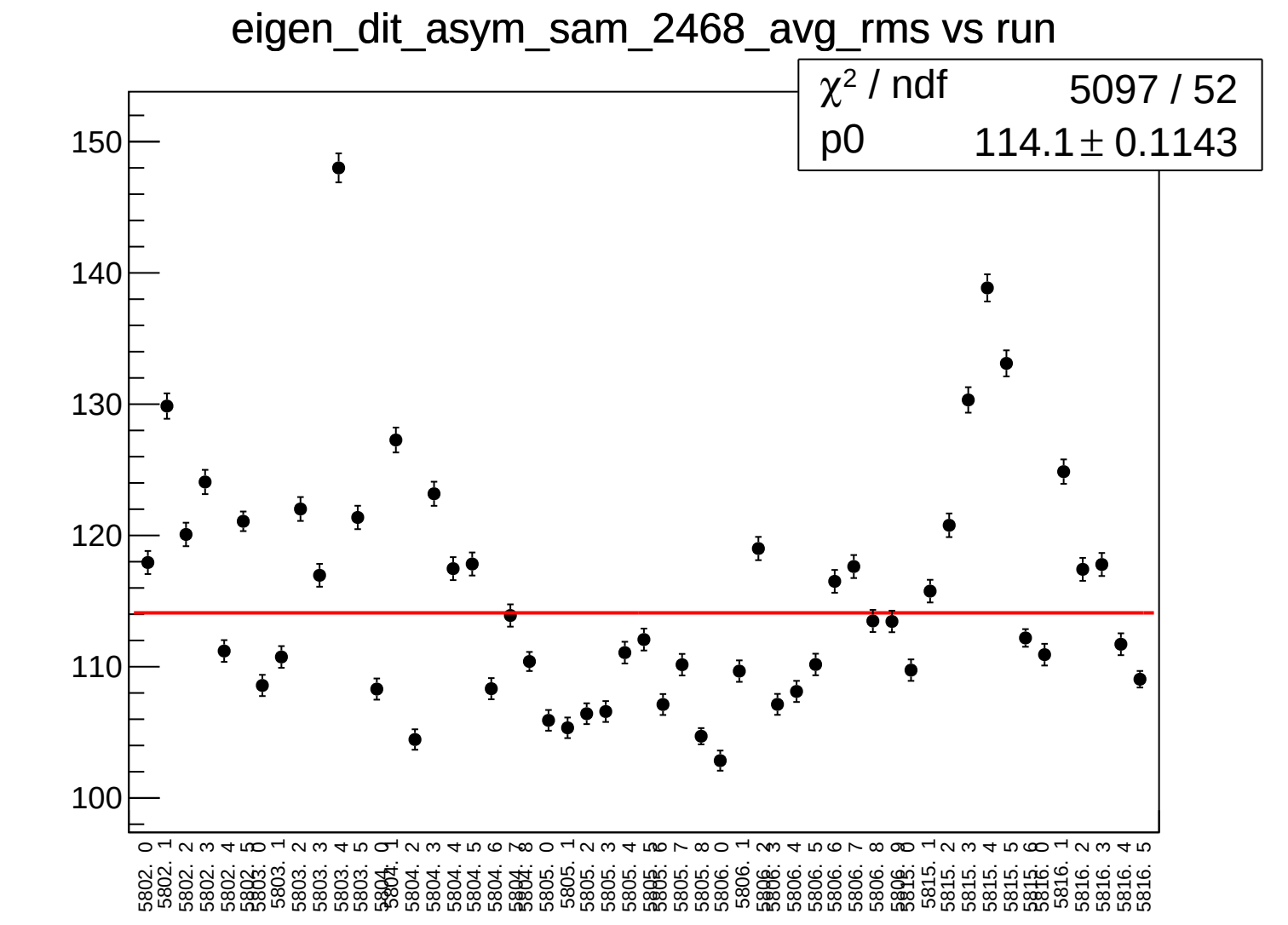

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 63.42 / 52
p0 700.5 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −85.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.02648
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 3760 / 52
p0 1269 ± 1.27
1500
1450
1400
1350
1300
1250
1200
1150
1100


eigen_dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 62.22 / 52
p0 156.5 ± 161.7
pull
Entries 53
Mean −178.9
Std Dev 0


pull1D
Entries 53
Mean −0.01692
Std Dev 1.083


eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5097 / 52
p0 114.1 ± 0.1143
150
140
130
120
110
100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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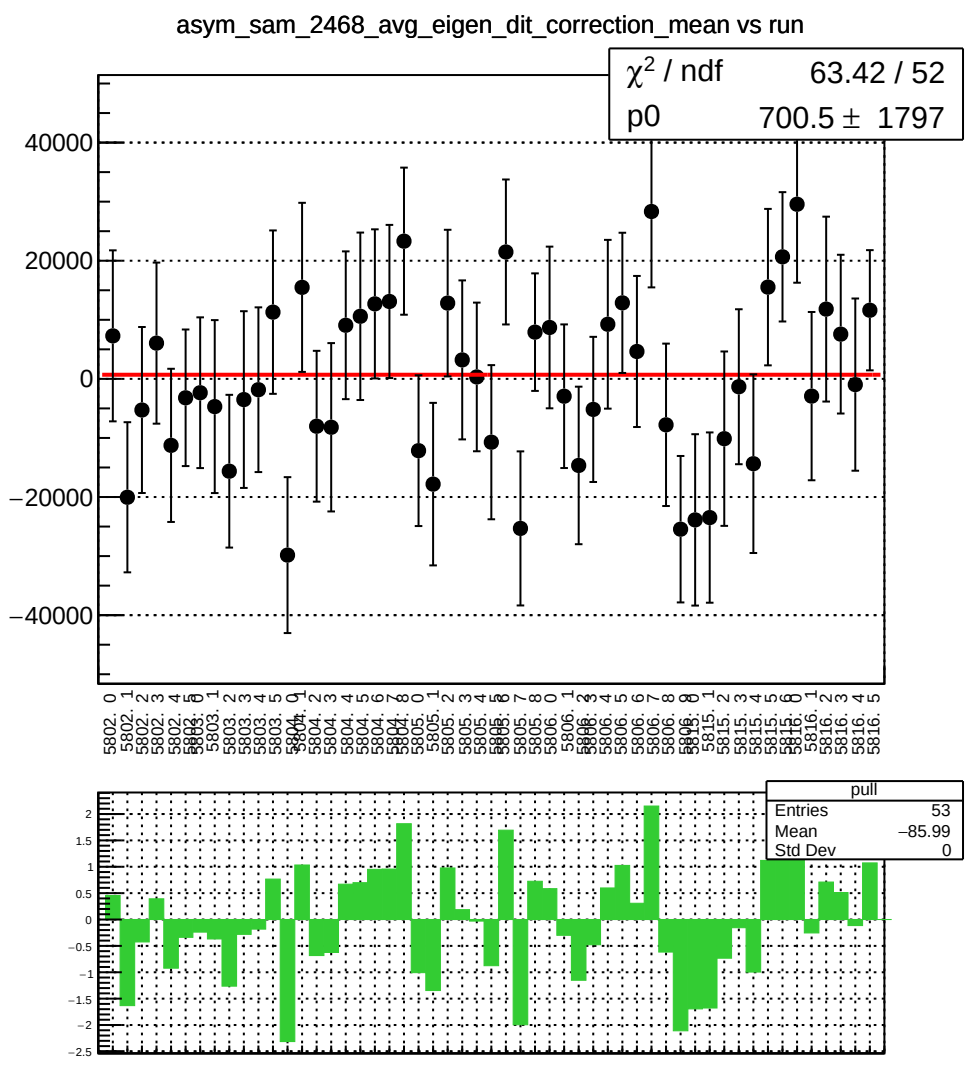
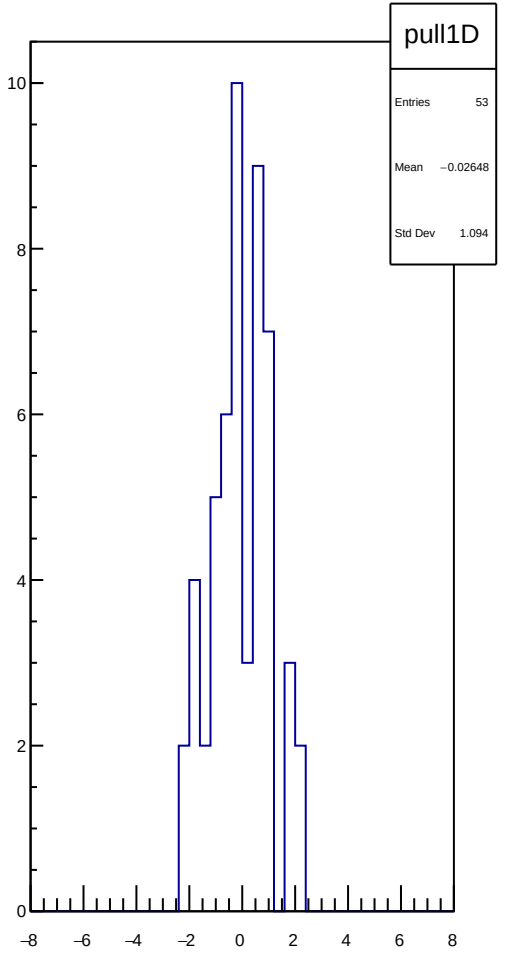
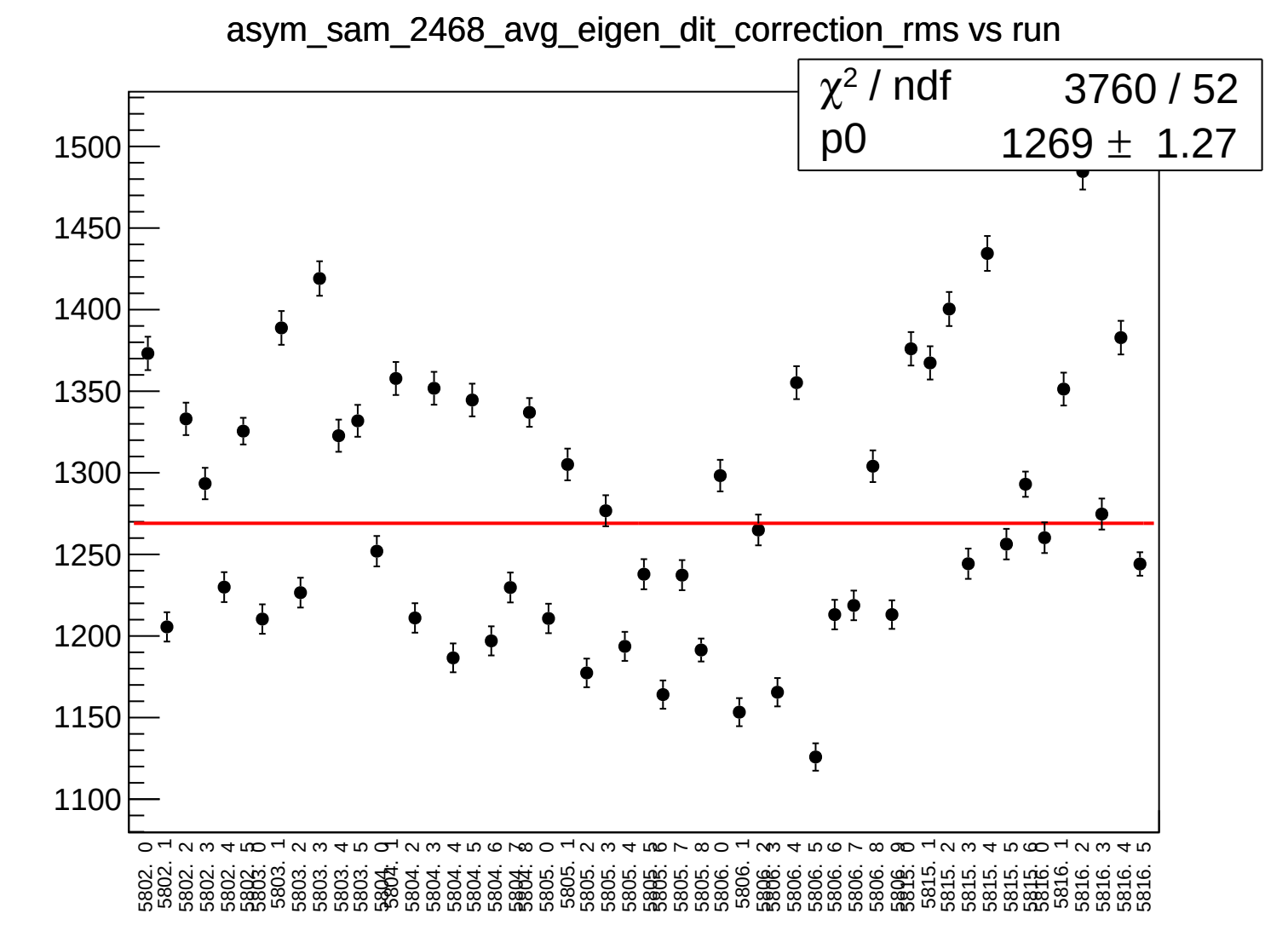
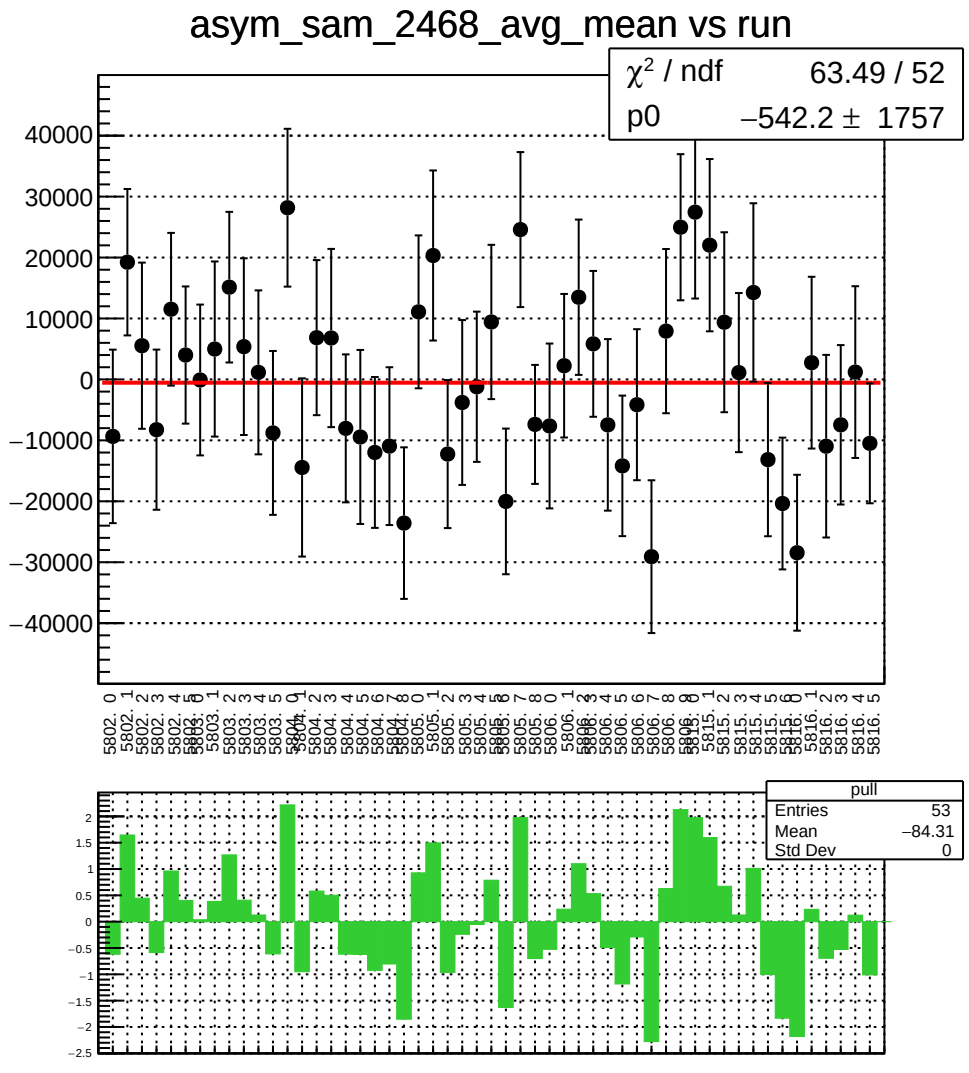
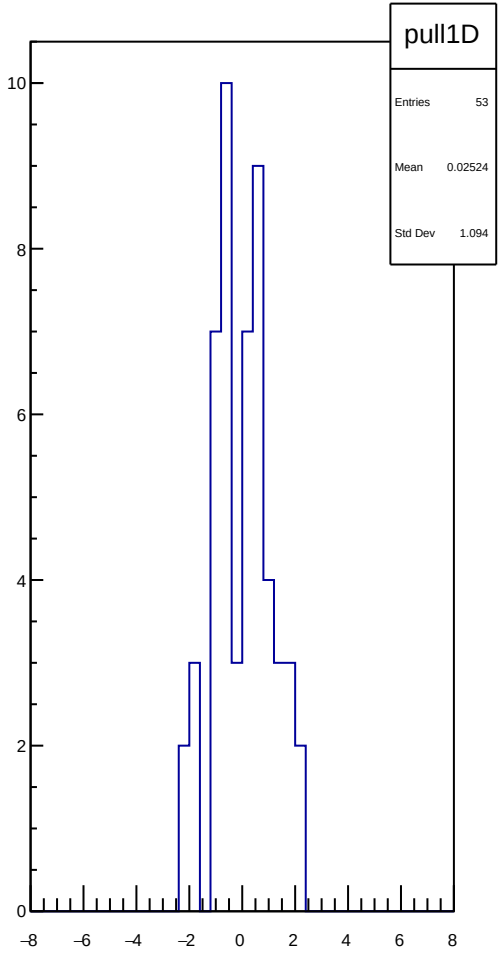
5816. 4
5816. 5

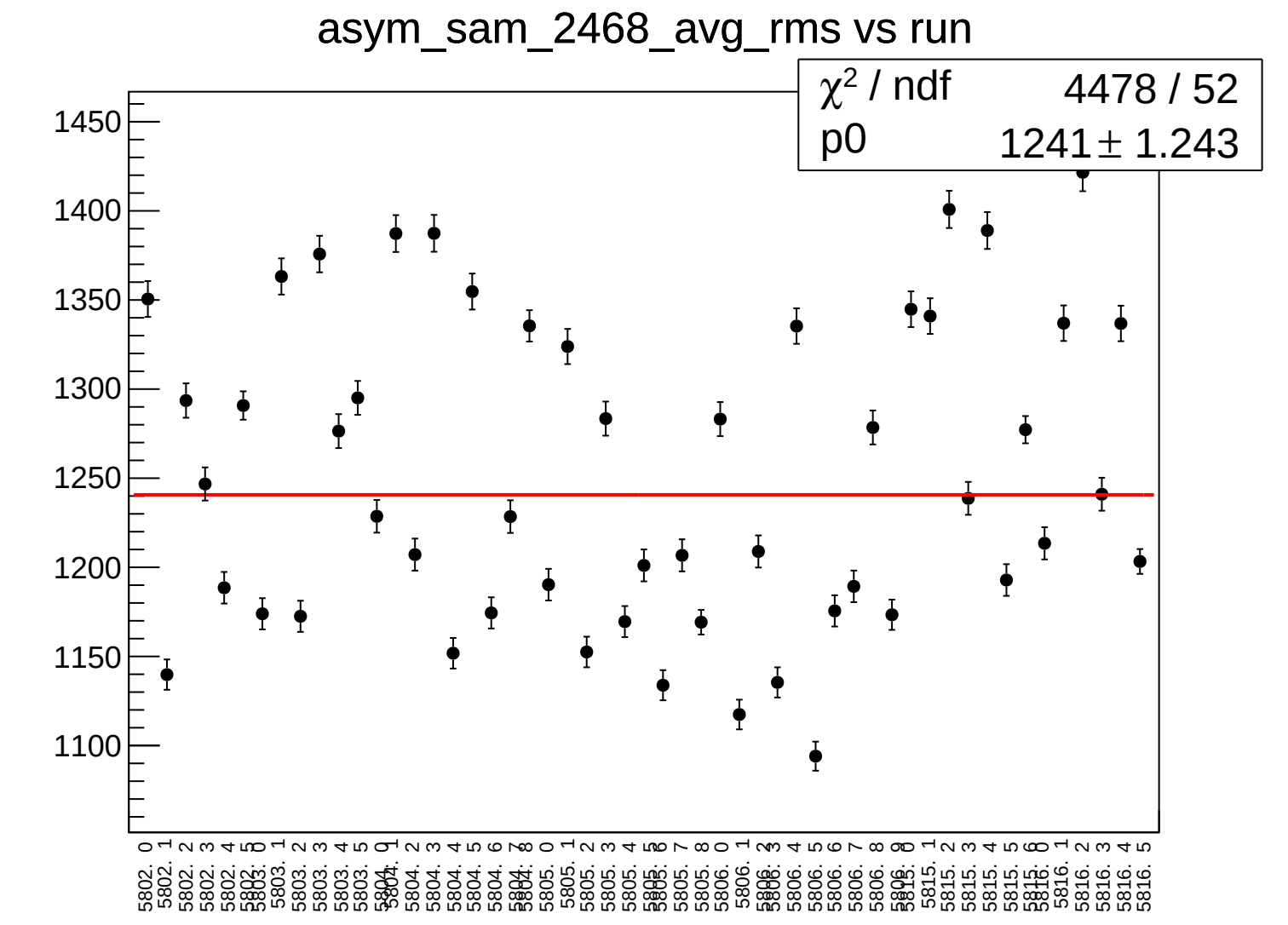

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.42 / 52
p0 700.5 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −85.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.02648
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 3760 / 52
p0 1269 ± 1.27
1500
1450
1400
1350
1300
1250
1200
1150
1100


asym_sam_2468_avg_mean vs run
χ² / ndf 63.49 / 52
p0 −542.2 ± 1757
pull
Entries 53
Mean −84.31
Std Dev 0


pull1D
Entries 53
Mean 0.02524
Std Dev 1.094


asym_sam_2468_avg_rms vs run
χ² / ndf 4478 / 52
p0 1241 ± 1.243
1450
1400
1350
1300
1250
1200
1150
1100
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
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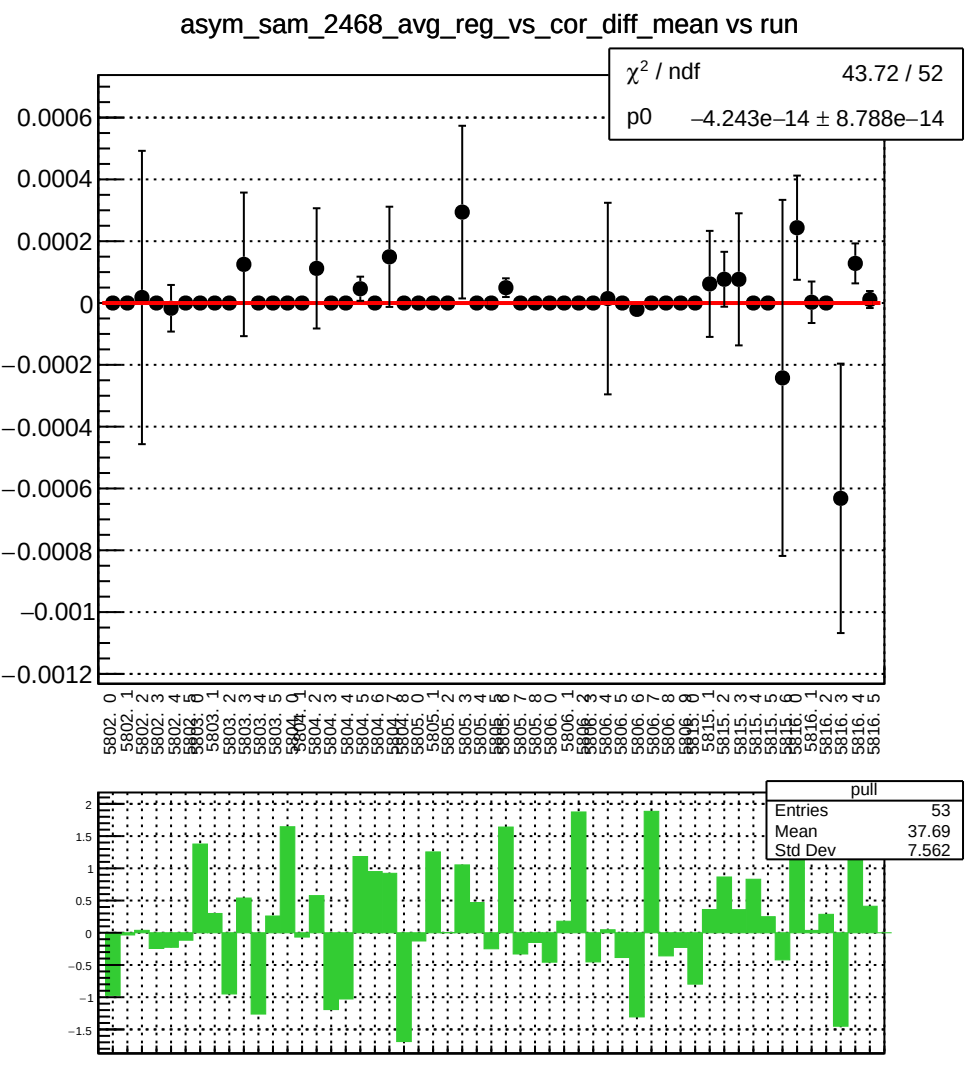
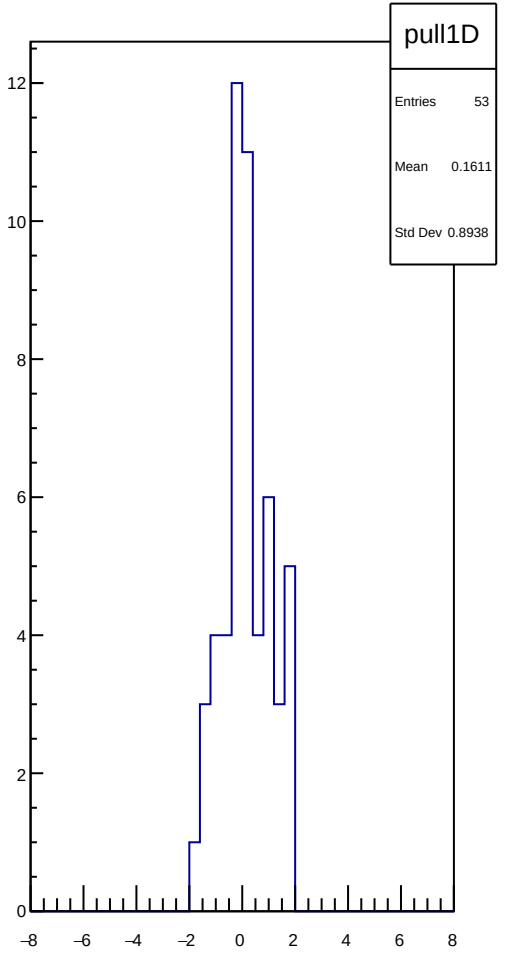
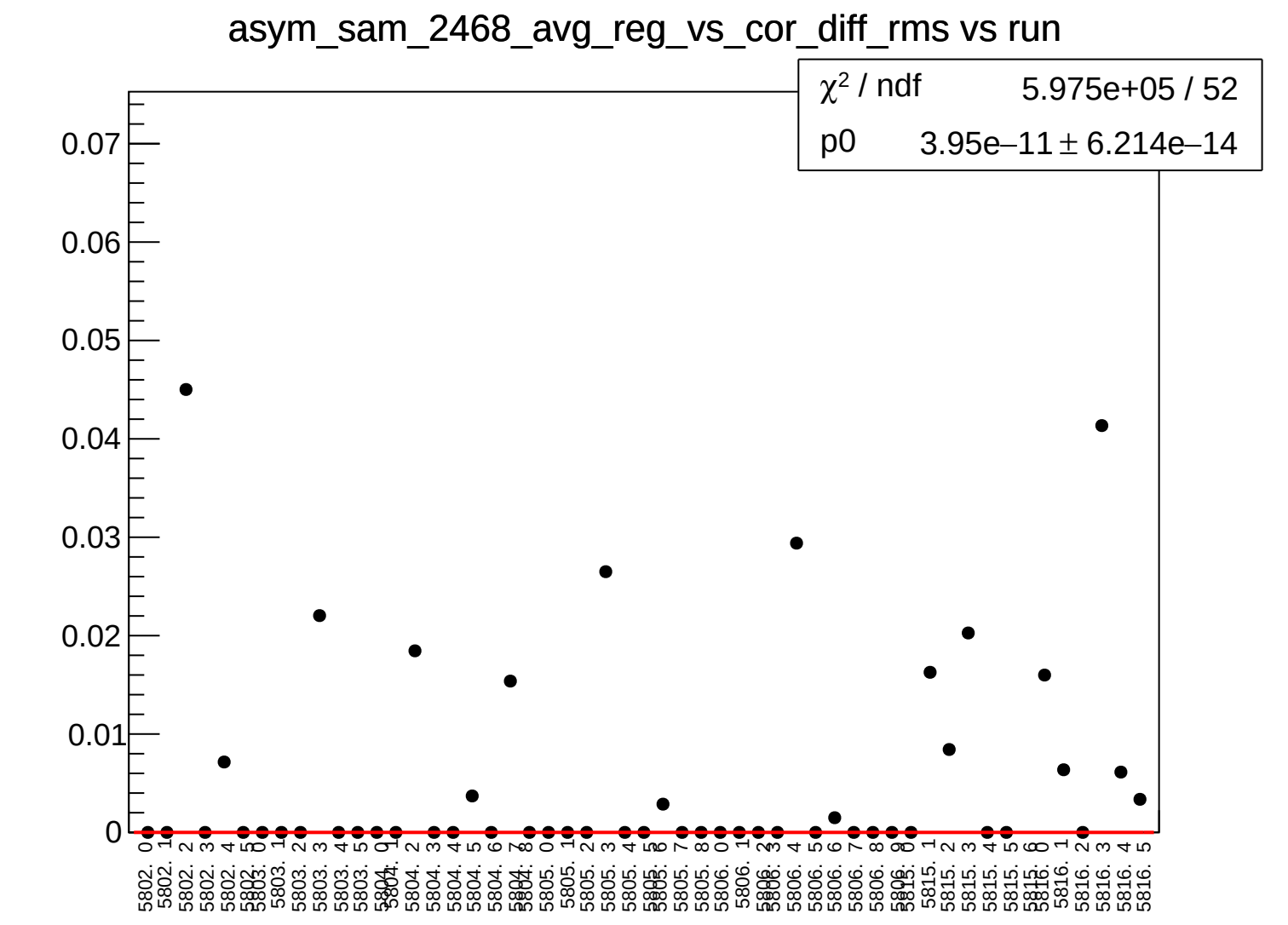
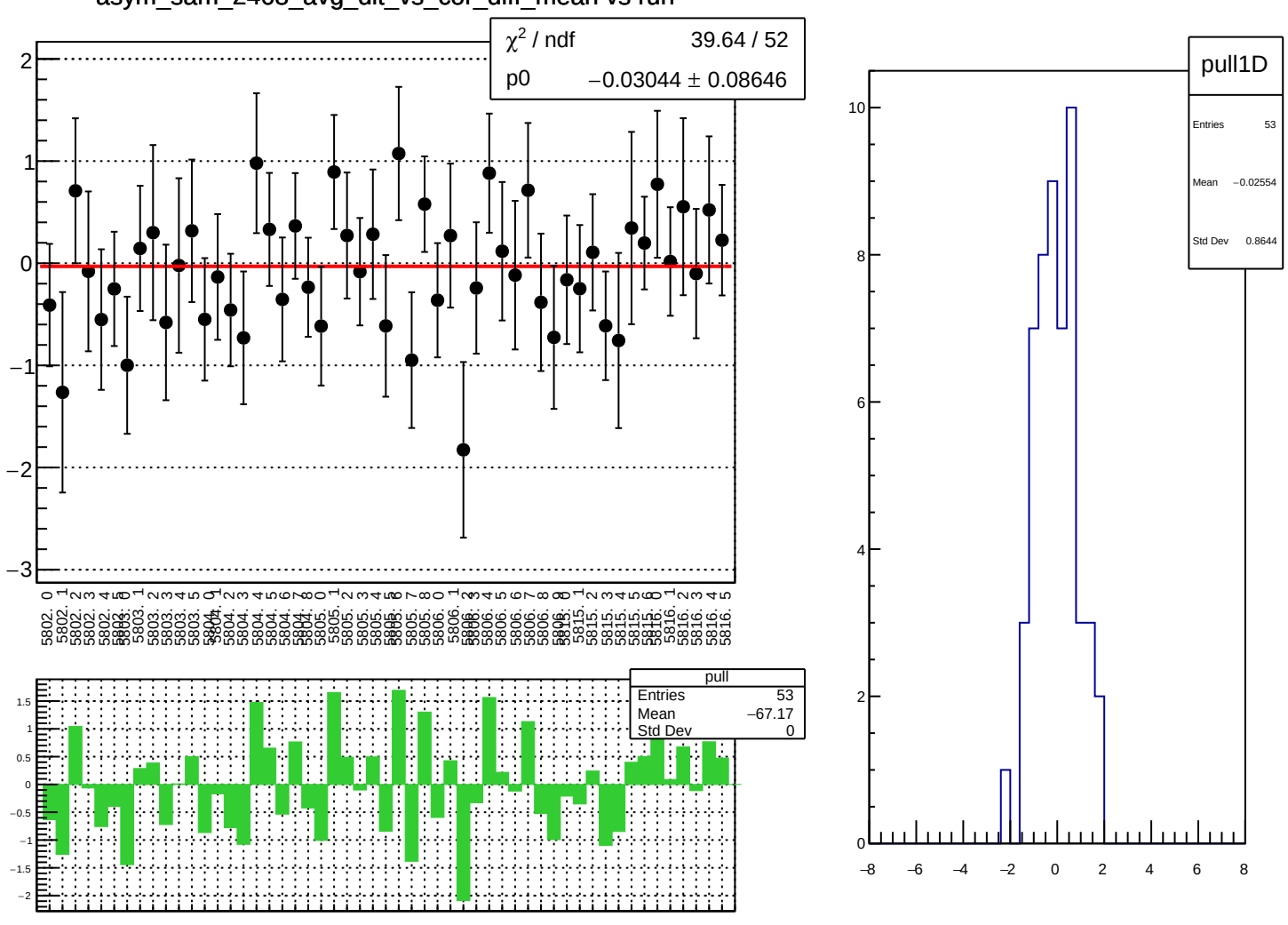
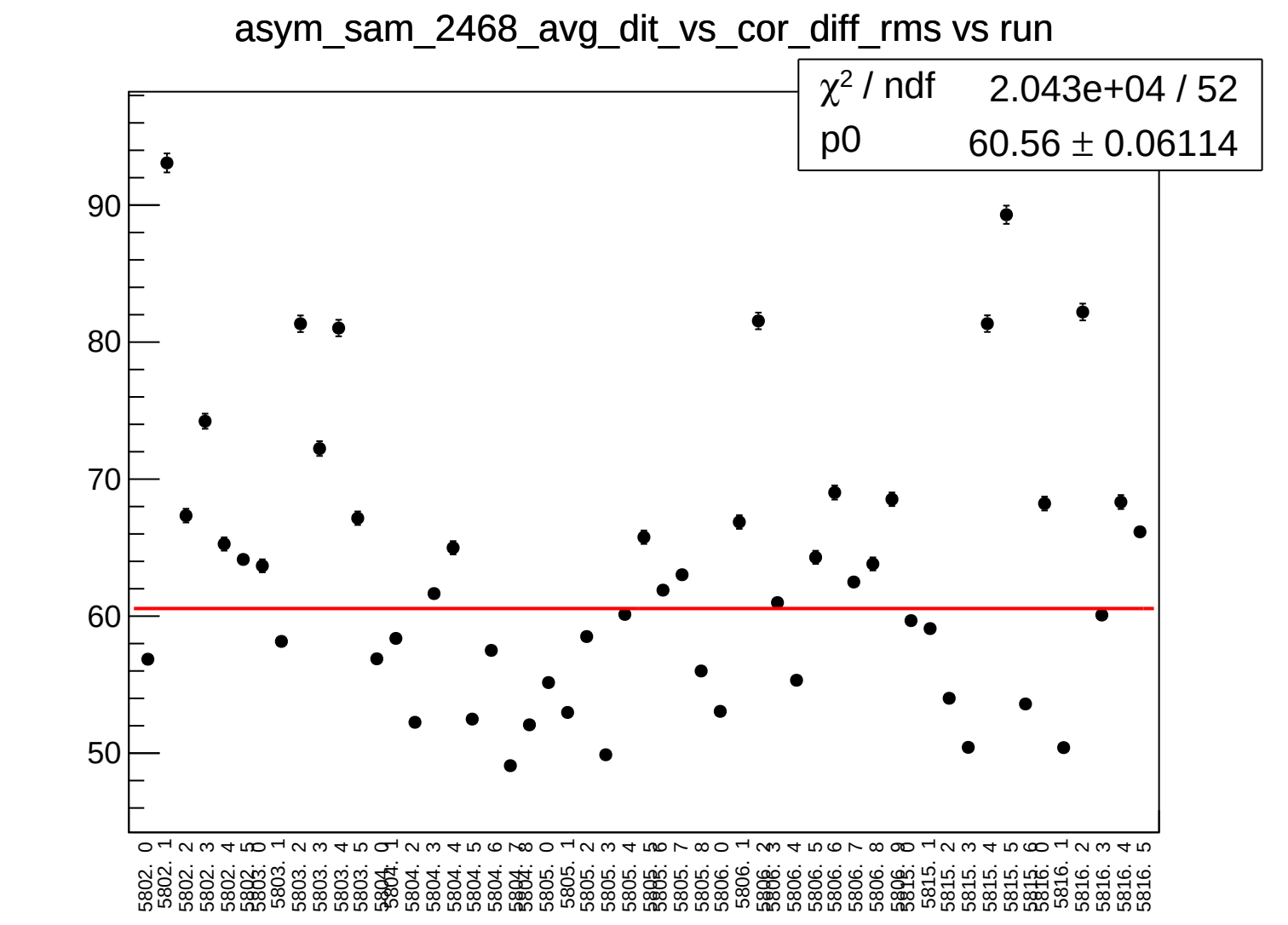
5816. 4
5816. 5

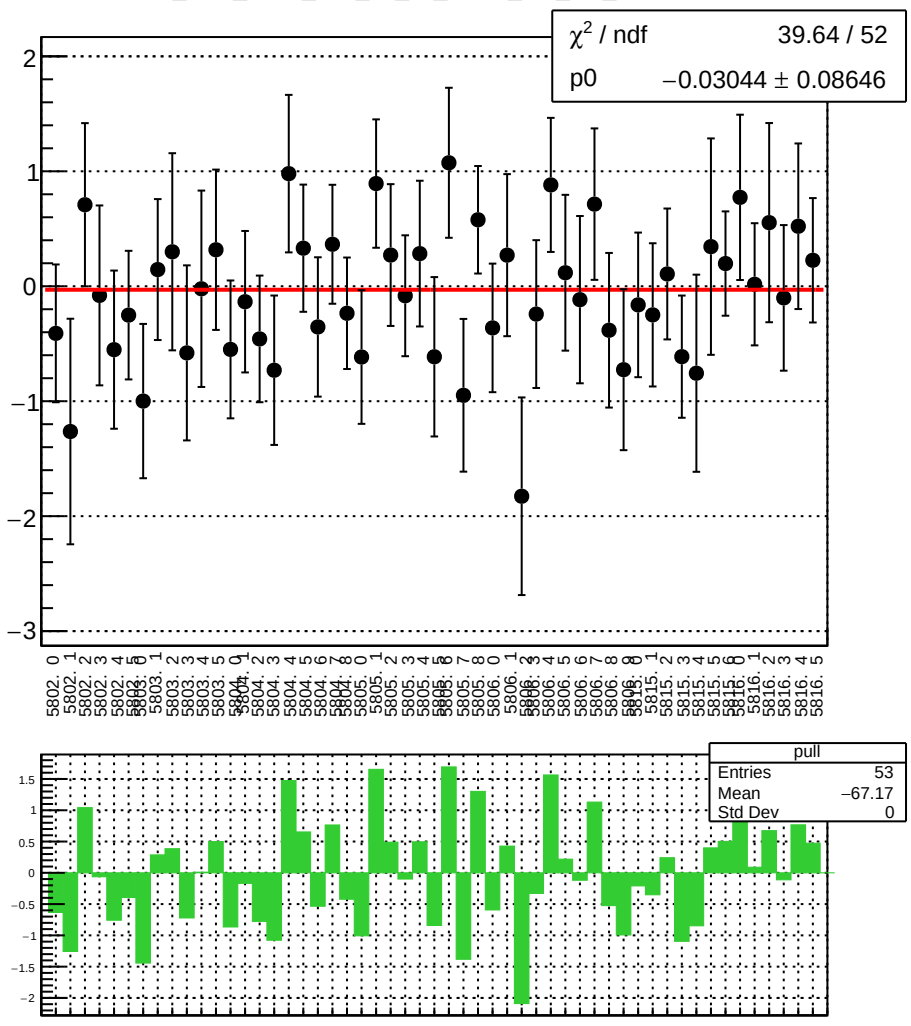

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.72 / 52
p0 −4.243e−14 ± 8.788e−14
pull
Entries 53
Mean 37.69
Std Dev 7.562

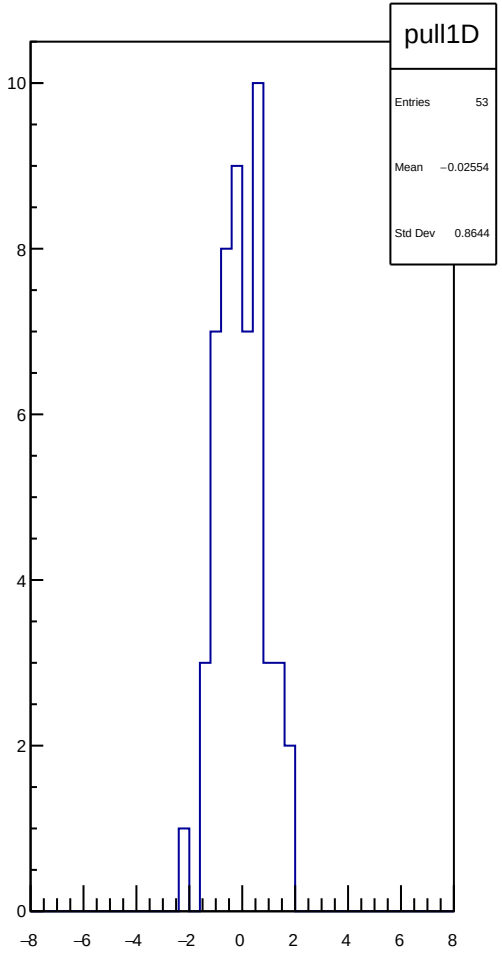

pull1D
Entries 53
Mean 0.1611
Std Dev 0.8938

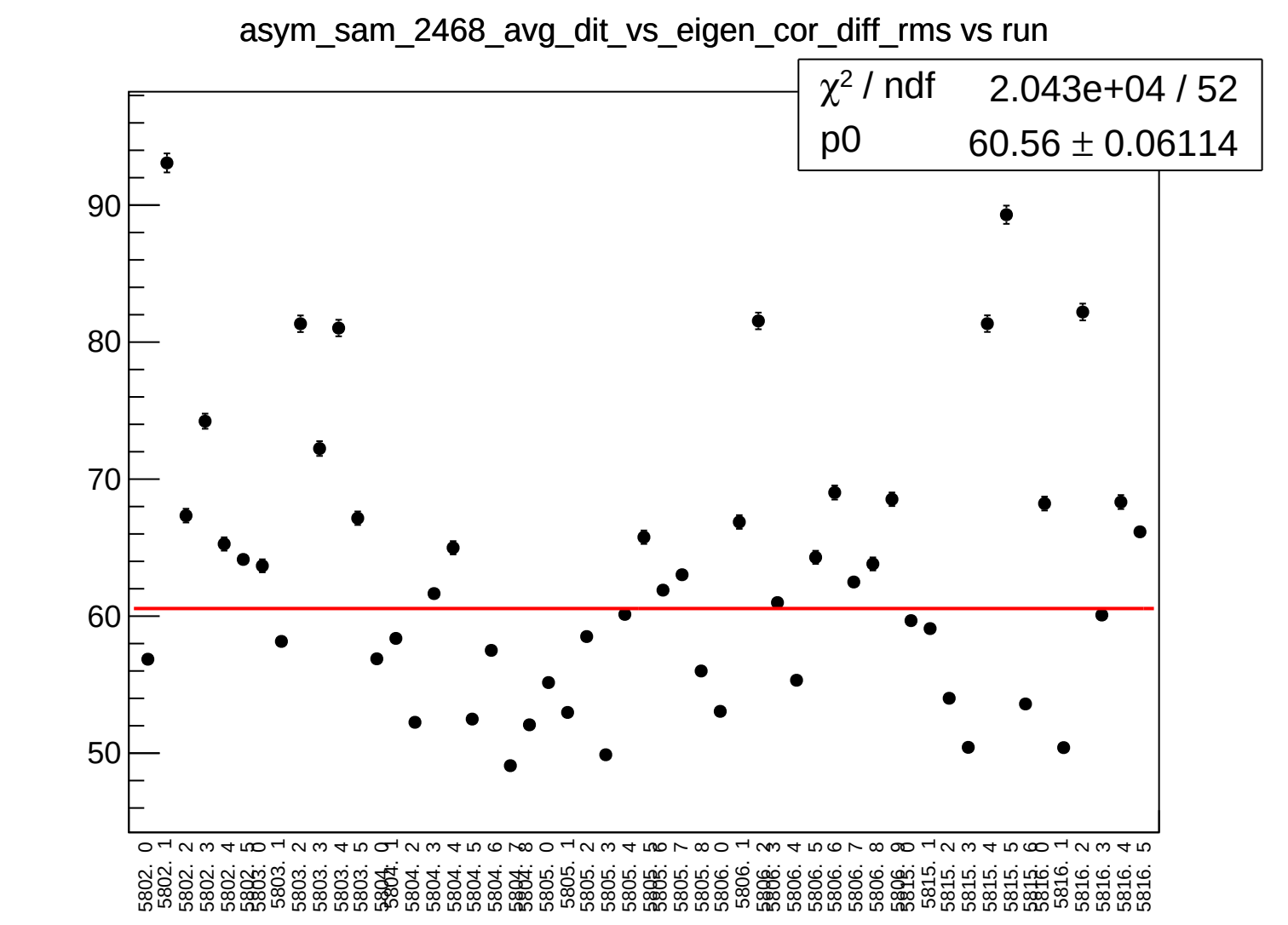

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.975e+05 / 52
p0 3.95e−11 ± 6.214e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

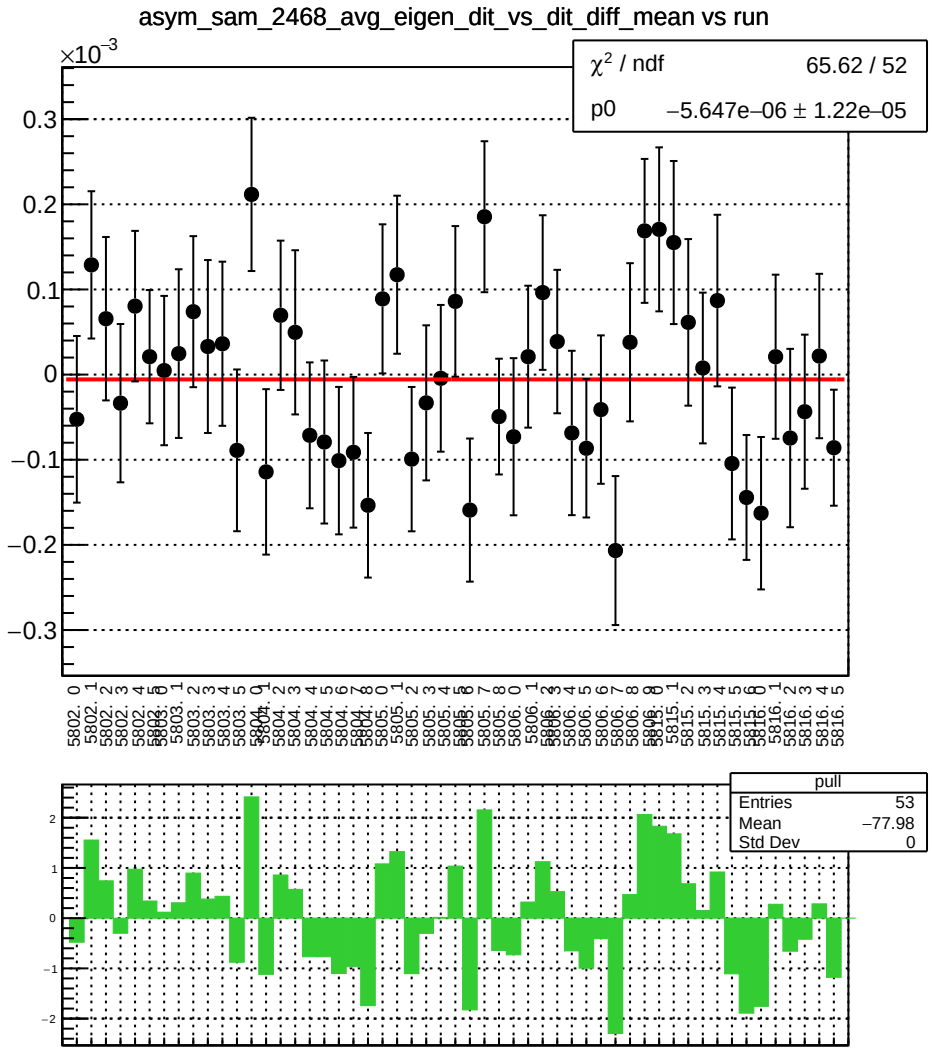

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.64 / 52
p0 −0.03044 ± 0.08646
pull
Entries 53
Mean −67.17
Std Dev 0
pull1D
Entries 53
Mean −0.02554
Std Dev 0.8644

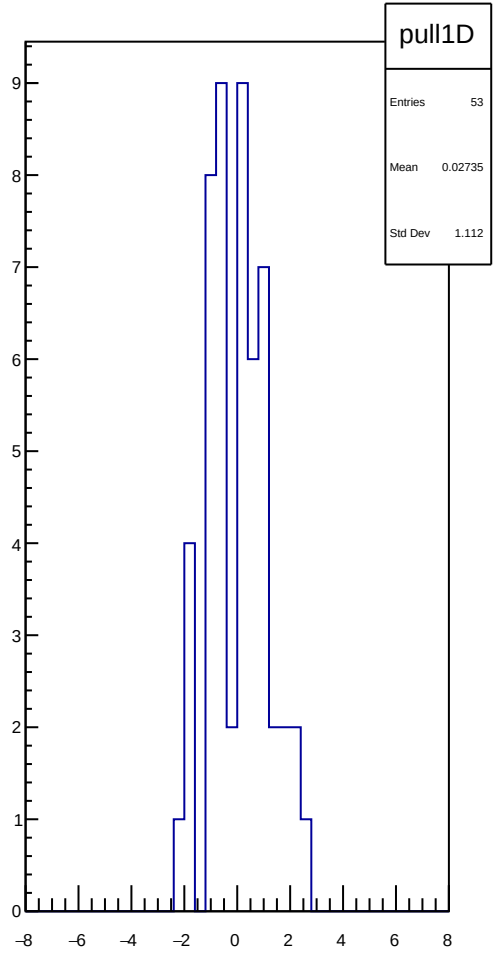

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.043e+04 / 52
p0 60.56 ± 0.06114
90
80
70
60
50

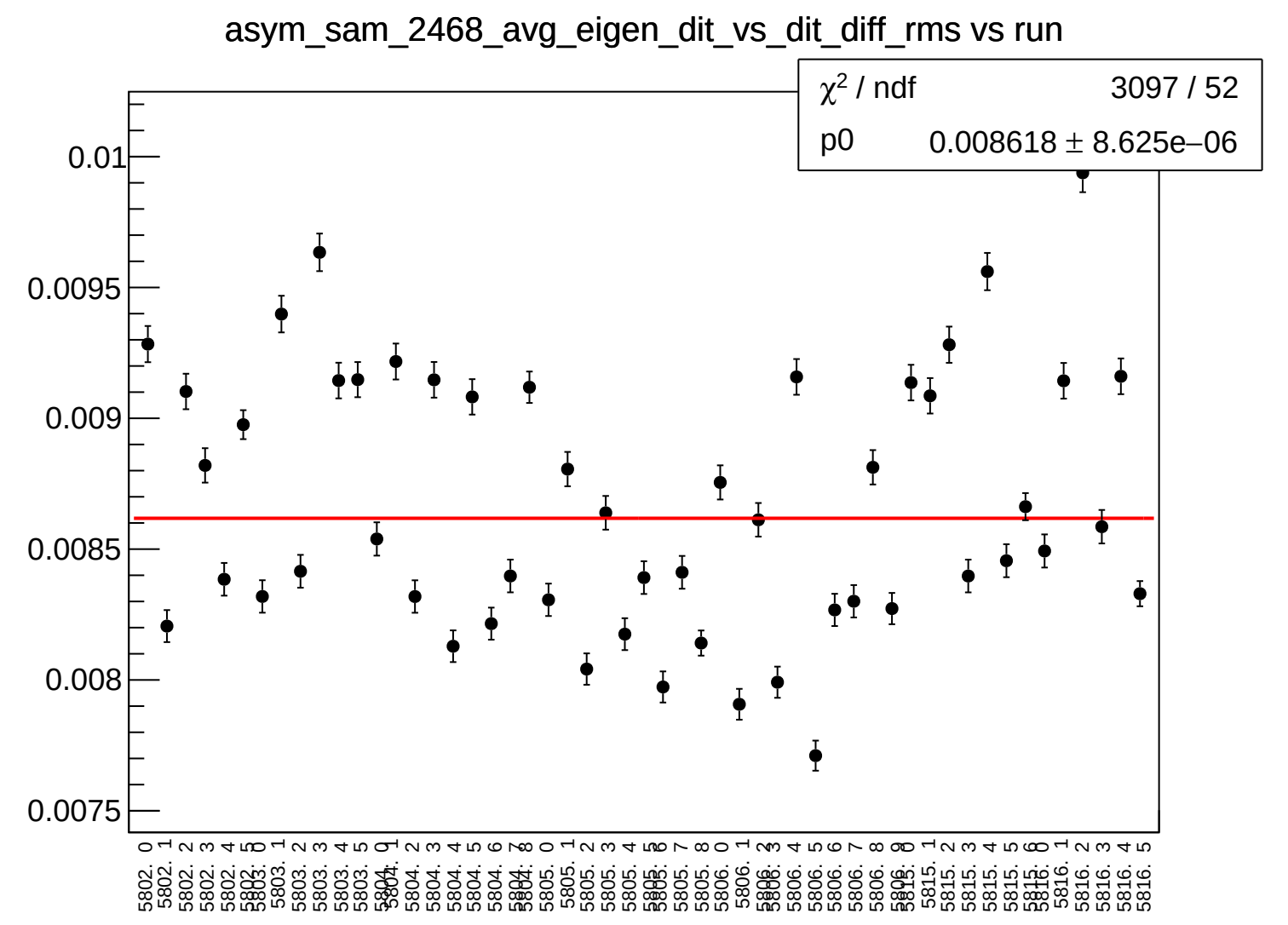

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.64 / 52
p0 −0.03044 ± 0.08646
pull
Entries 53
Mean −67.17
Std Dev 0

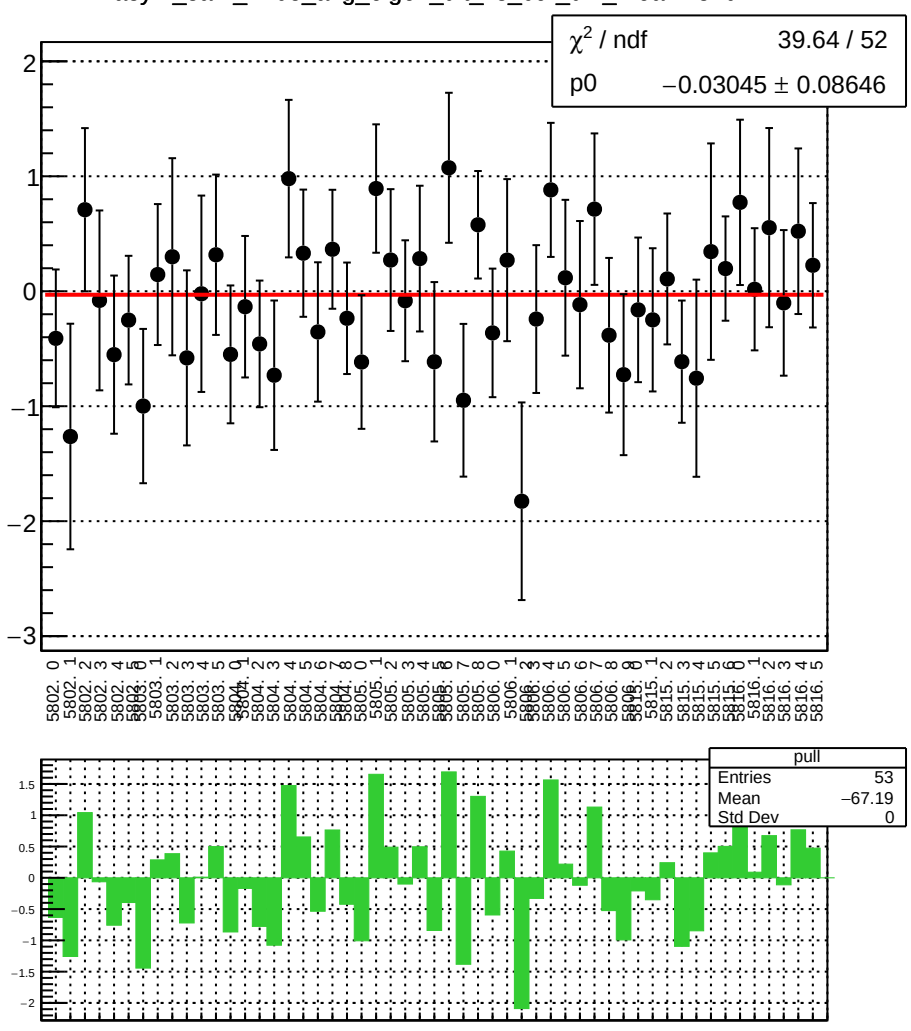

pull1D
Entries 53
Mean −0.02554
Std Dev 0.8644

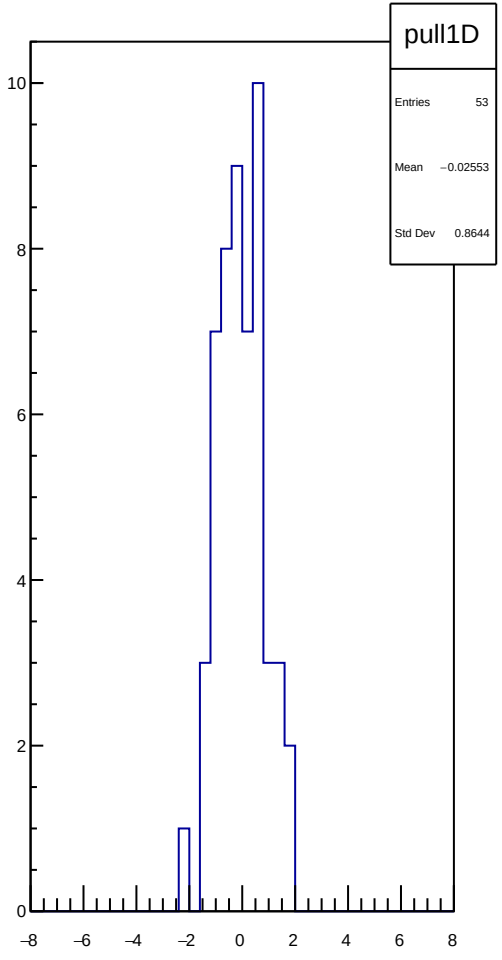

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.043e+04 / 52
p0 60.56 ± 0.06114
90
80
70
60
50

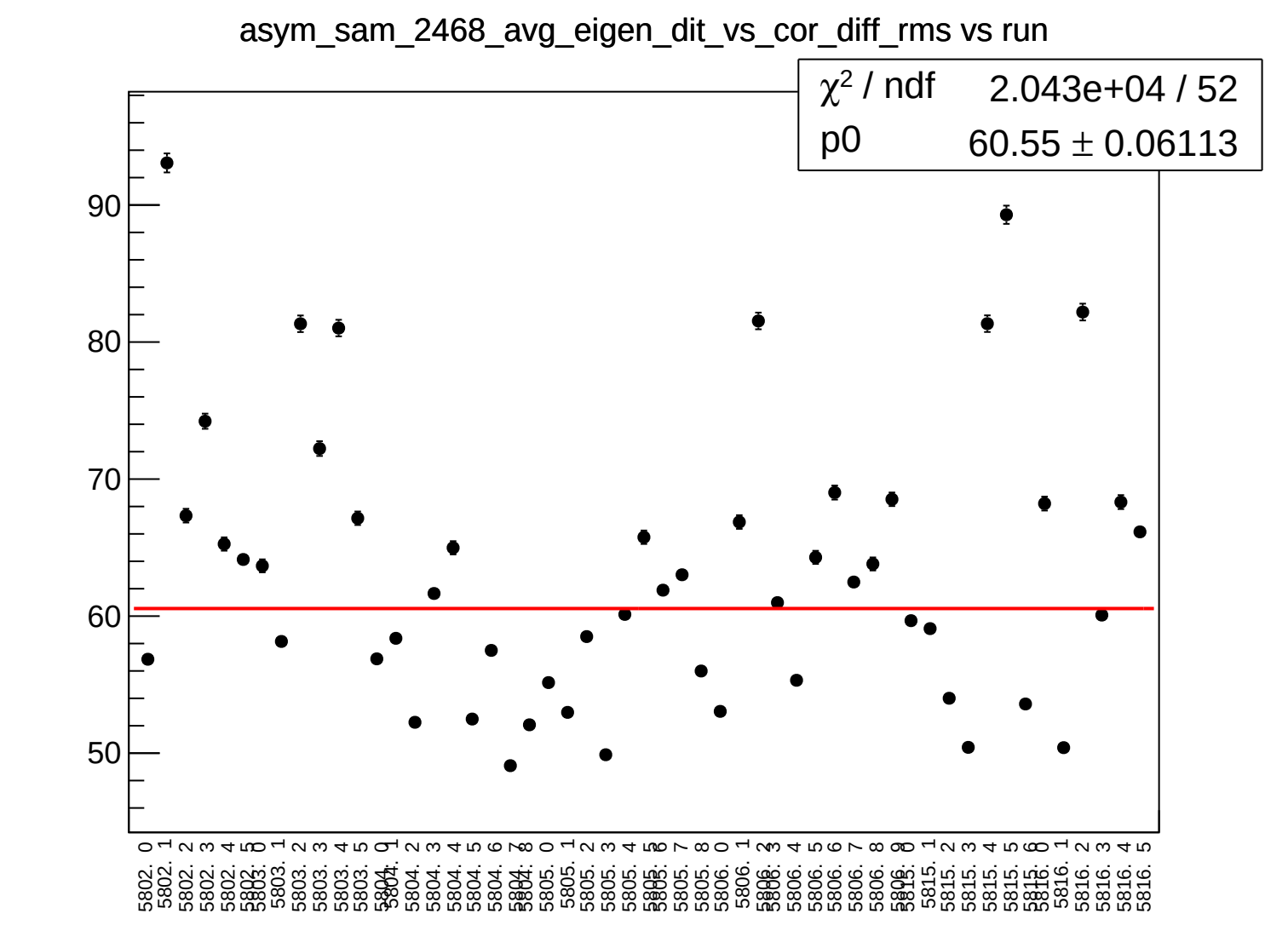

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.62 / 52
p0 −5.647e−06 ± 1.22e−05
pull
Entries 53
Mean −77.98
Std Dev 0

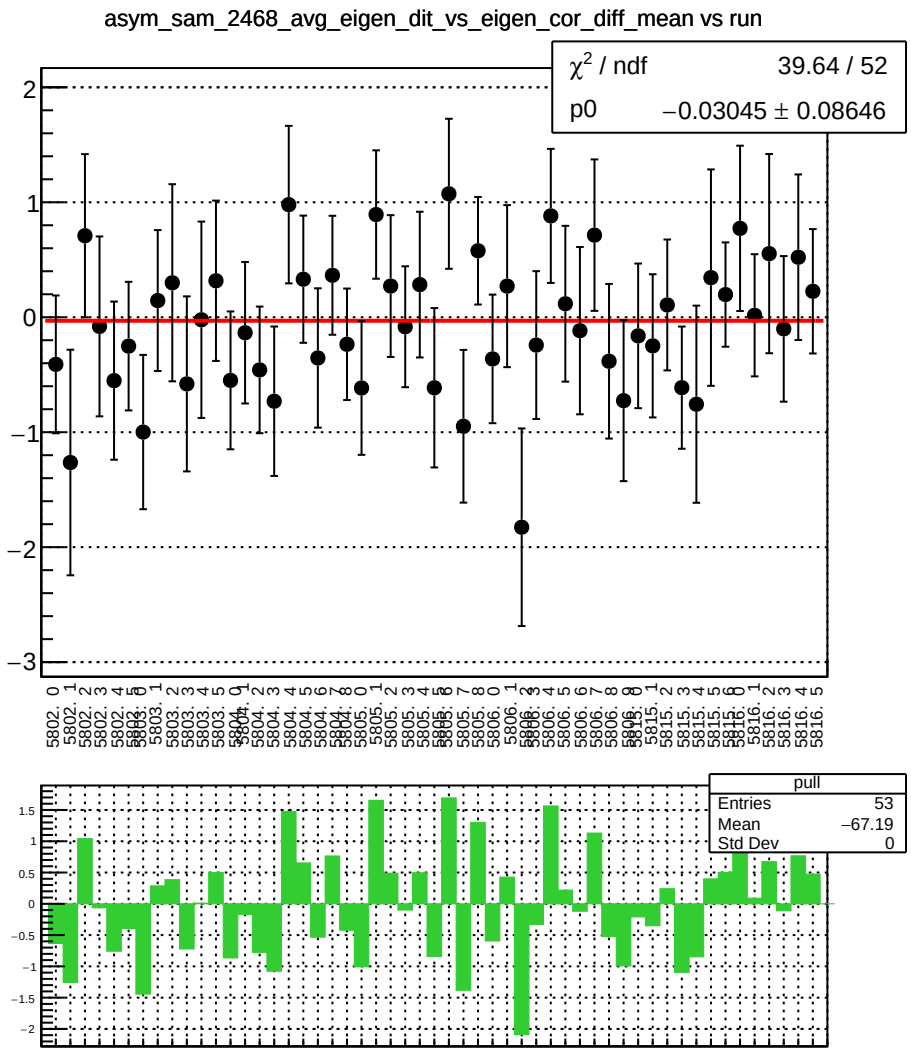

pull1D
Entries 53
Mean 0.02735
Std Dev 1.112

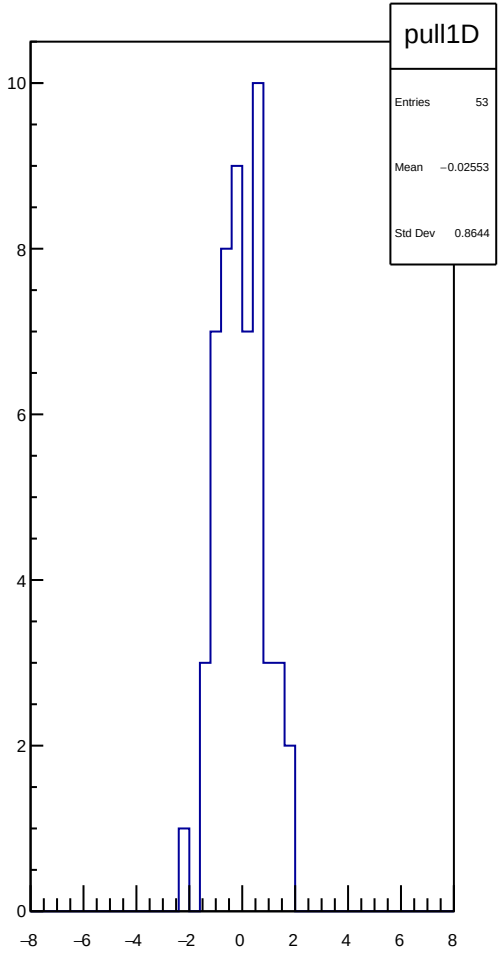

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3097 / 52
p0 0.008618 ± 8.625e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075

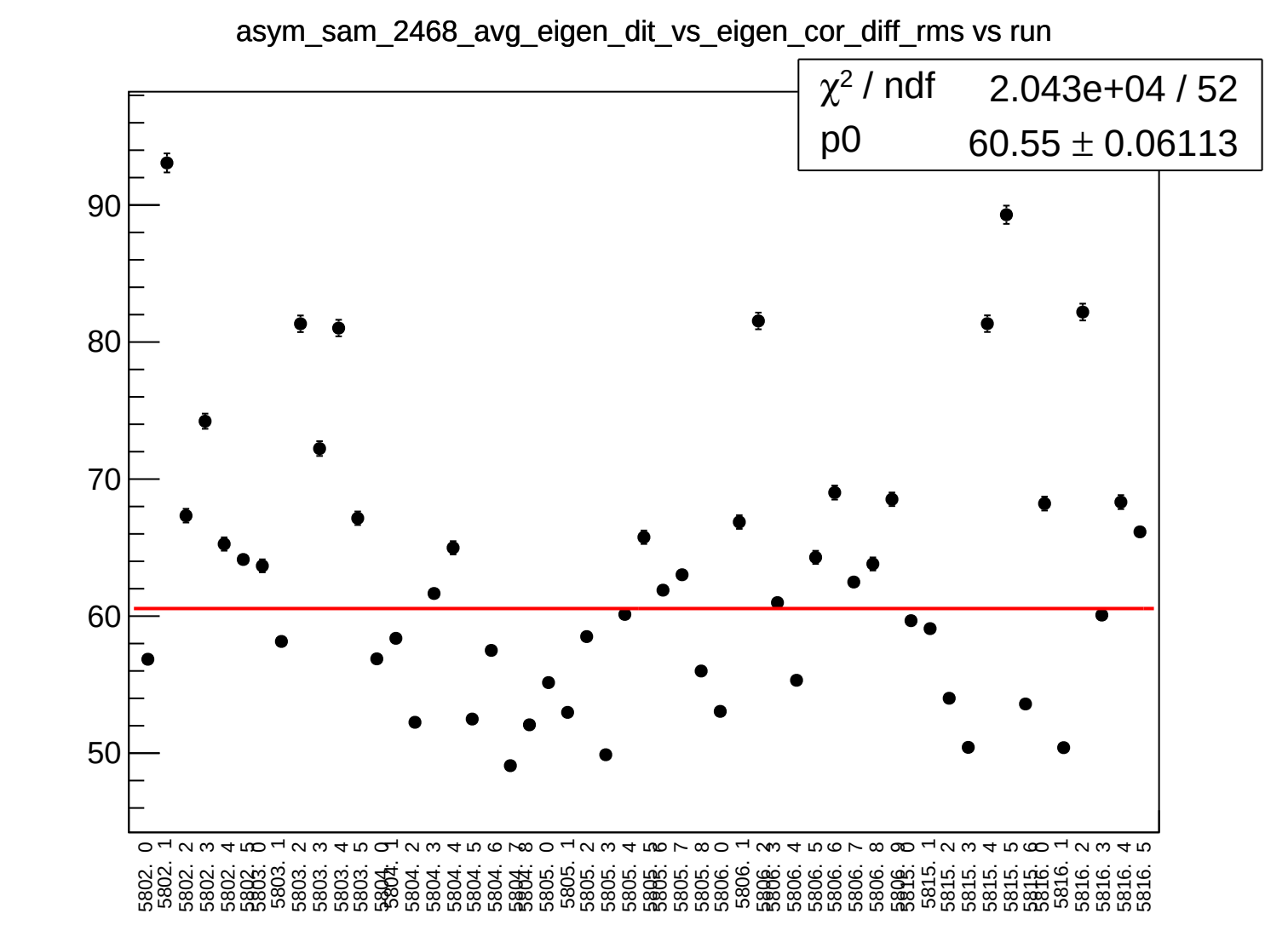

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.64 / 52
p0 −0.03045 ± 0.08646
pull
Entries 53
Mean −67.19
Std Dev 0

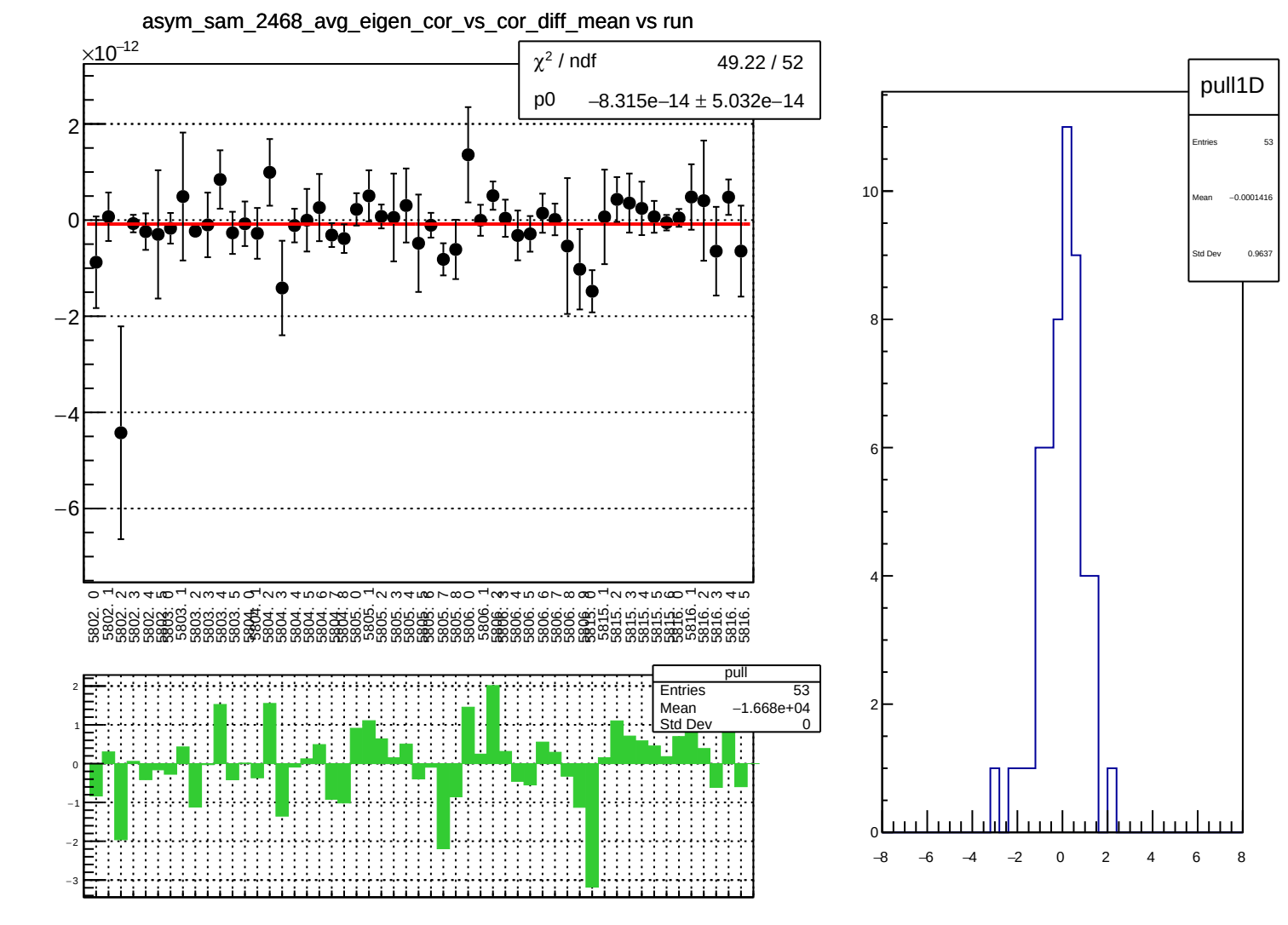

pull1D
Entries 53
Mean −0.02553
Std Dev 0.8644

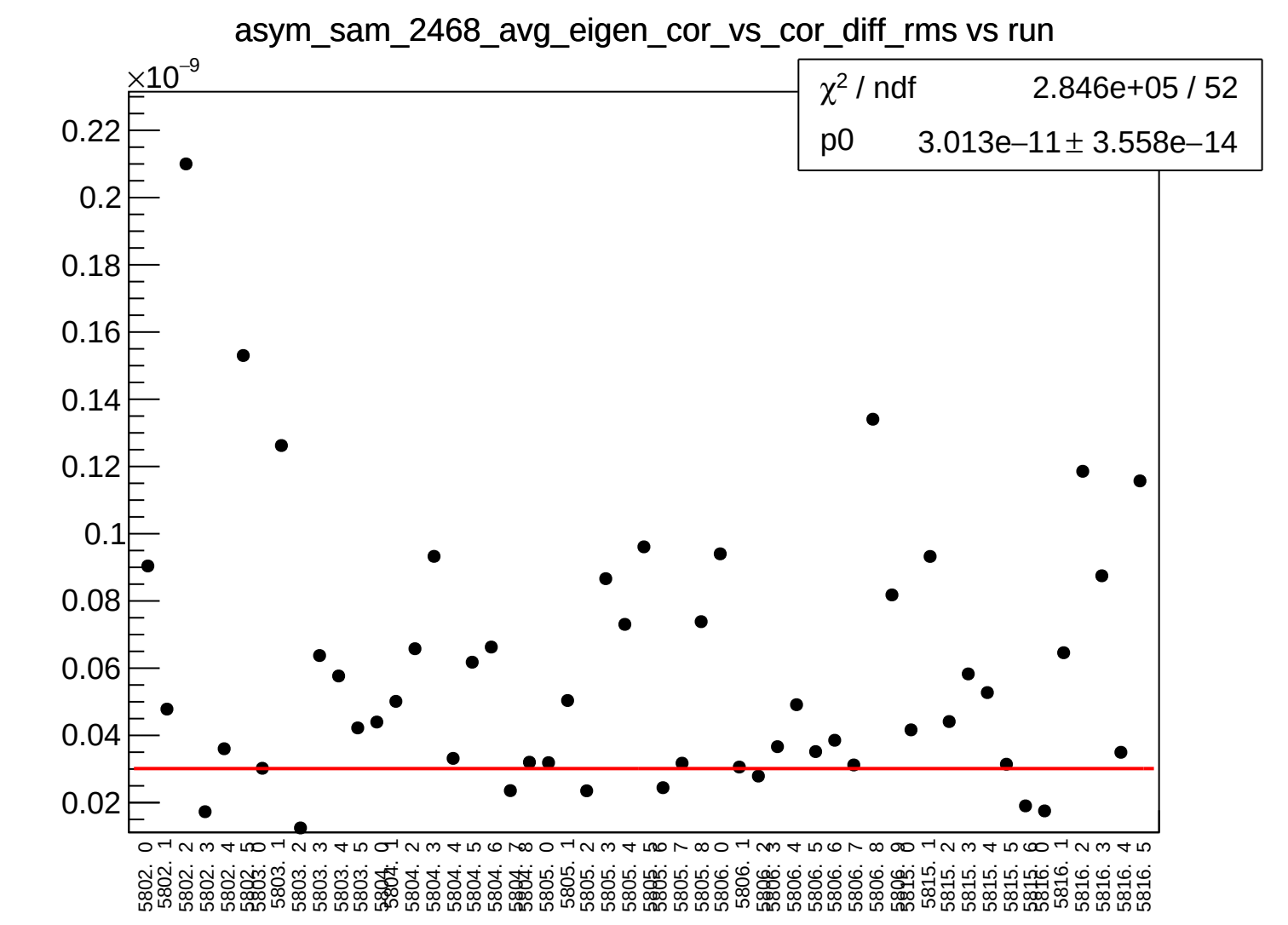

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.043e+04 / 52
p0 60.55 ± 0.06113
90
80
70
60
50

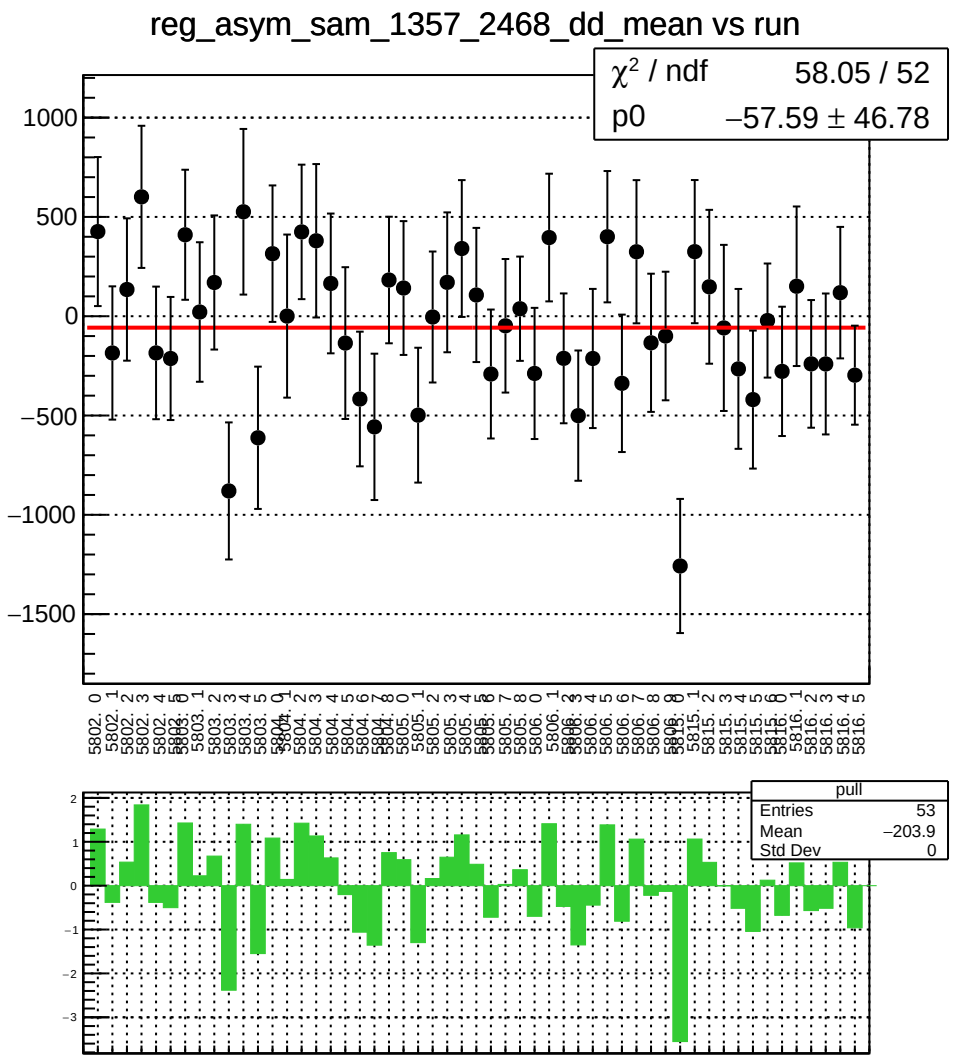

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.64 / 52
p0 −0.03045 ± 0.08646
pull
Entries 53
Mean −67.19
Std Dev 0

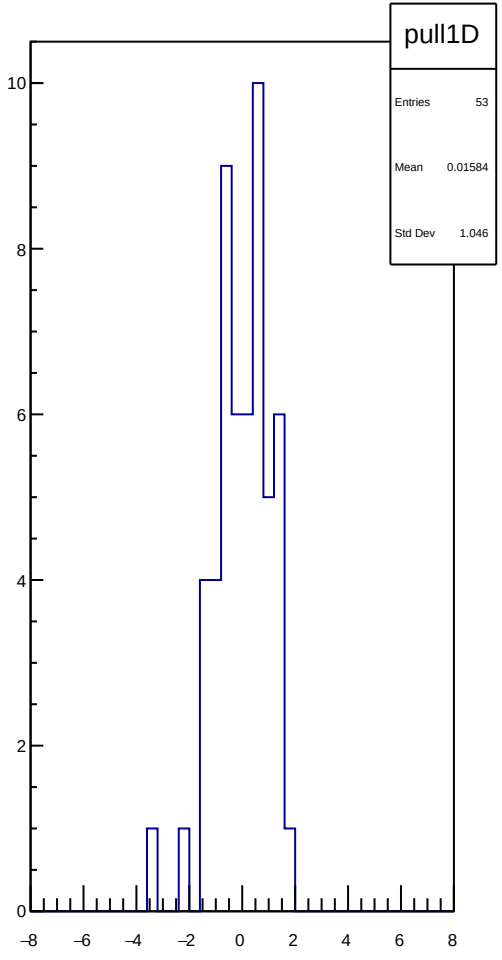

pull1D
Entries 53
Mean −0.02553
Std Dev 0.8644

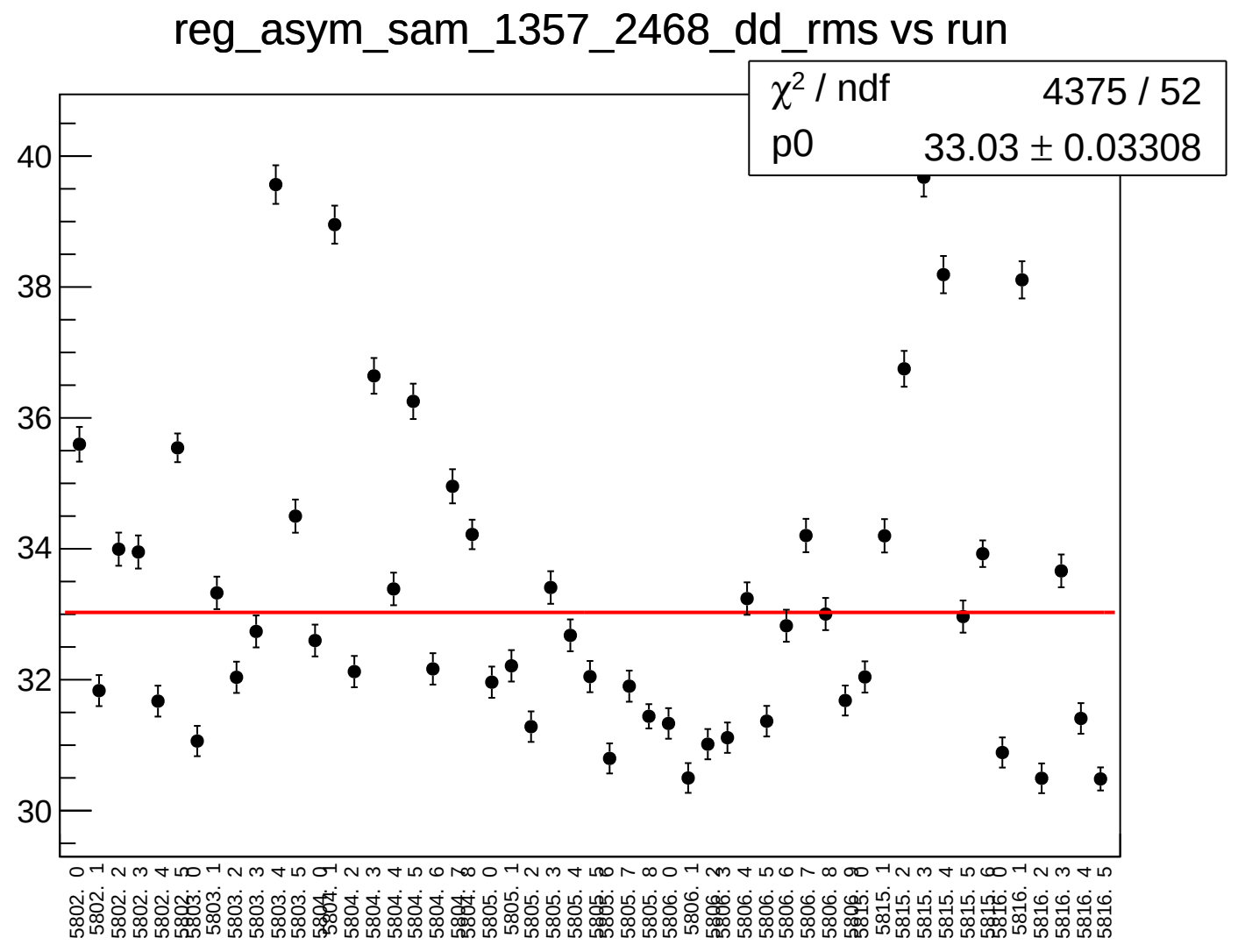

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.043e+04 / 52
p0 60.55 ± 0.06113
90
80
70
60
50

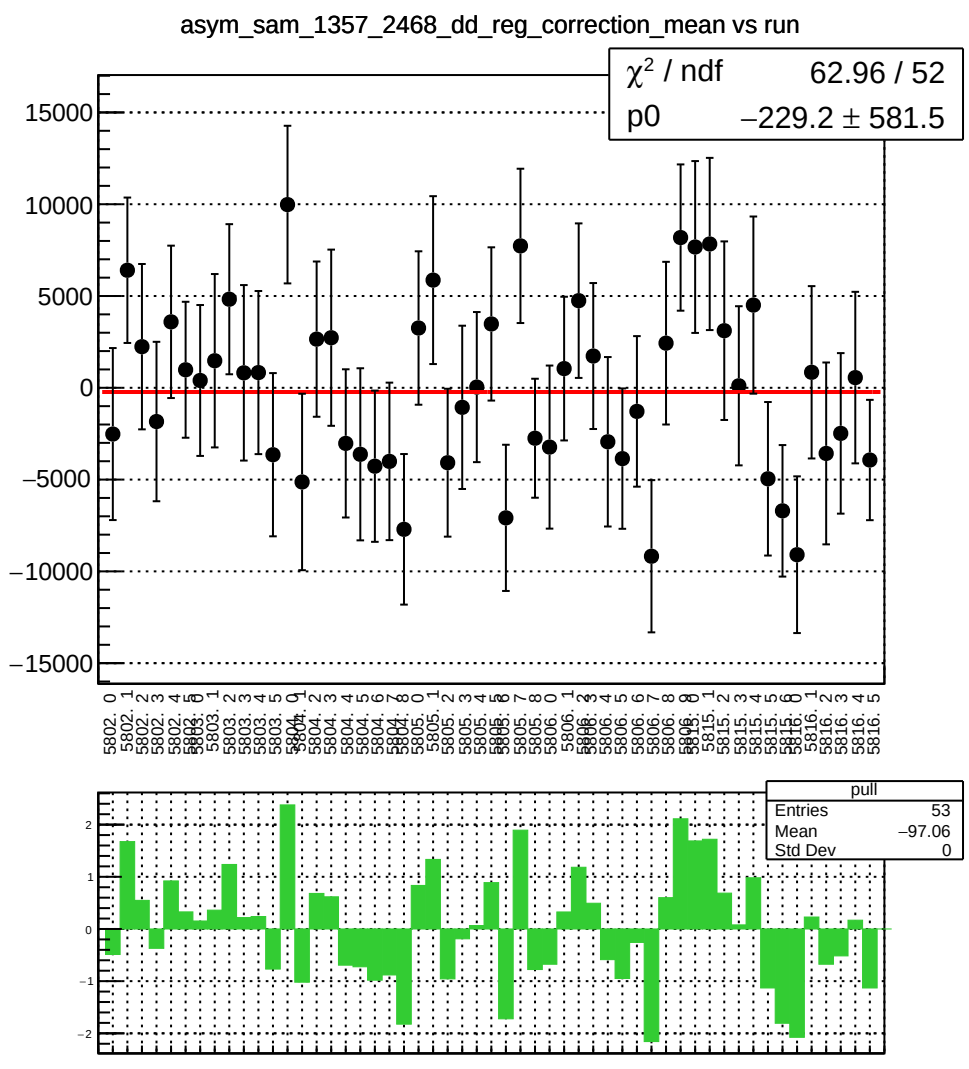

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.22 / 52
p0 −8.315e−14 ± 5.032e−14
pull
Entries 53
Mean −1.668e+04
Std Dev 0
pull1D
Entries 53
Mean −0.0001416
Std Dev 0.9637

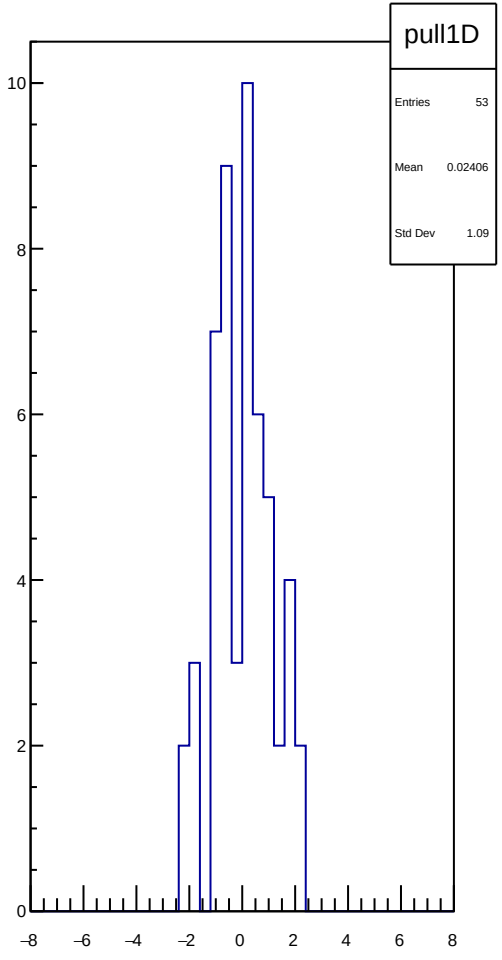

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.846e+05 / 52
p0 3.013e−11 ± 3.558e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

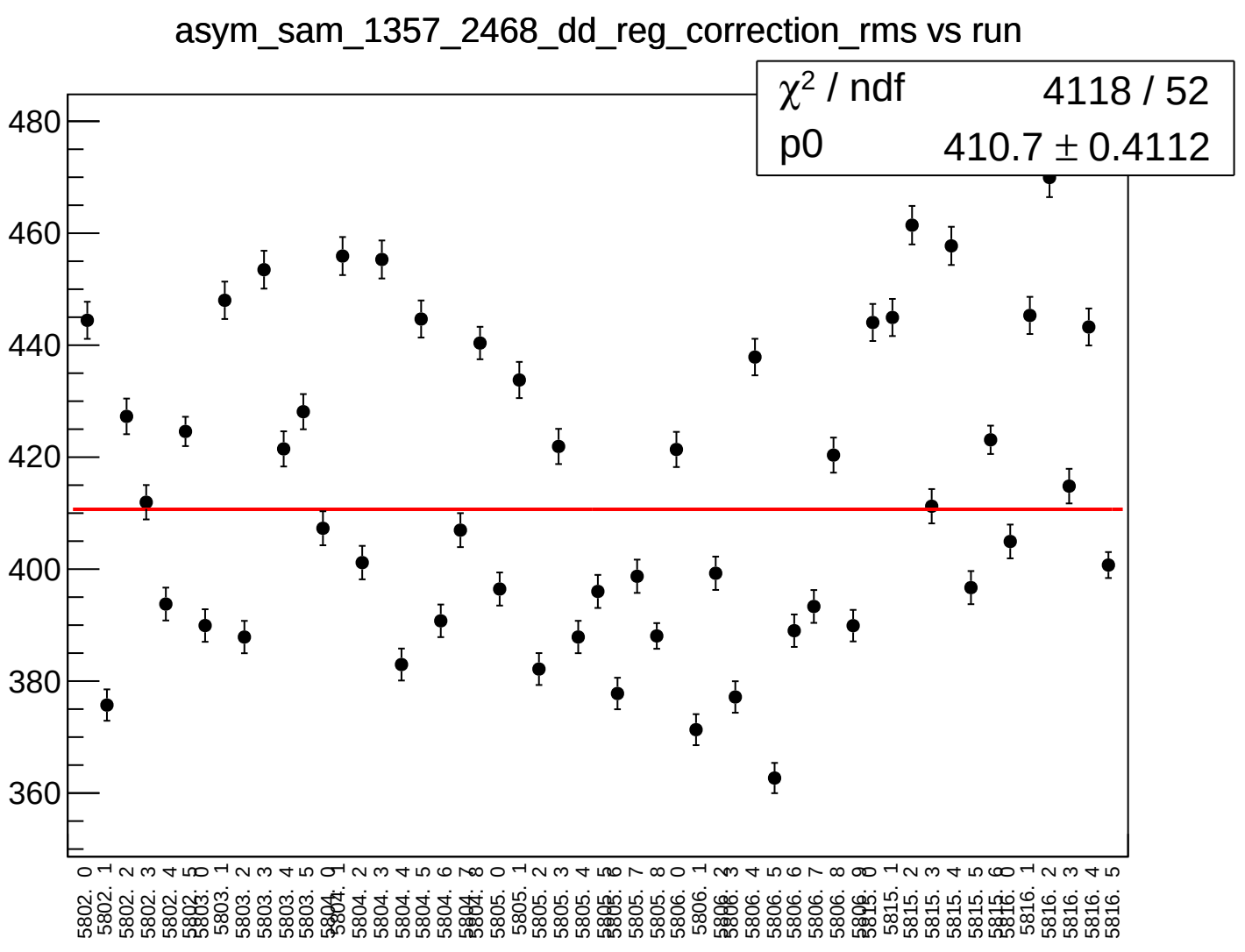

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.05 / 52
p0 −57.59 ± 46.78
pull
Entries 53
Mean −203.9
Std Dev 0

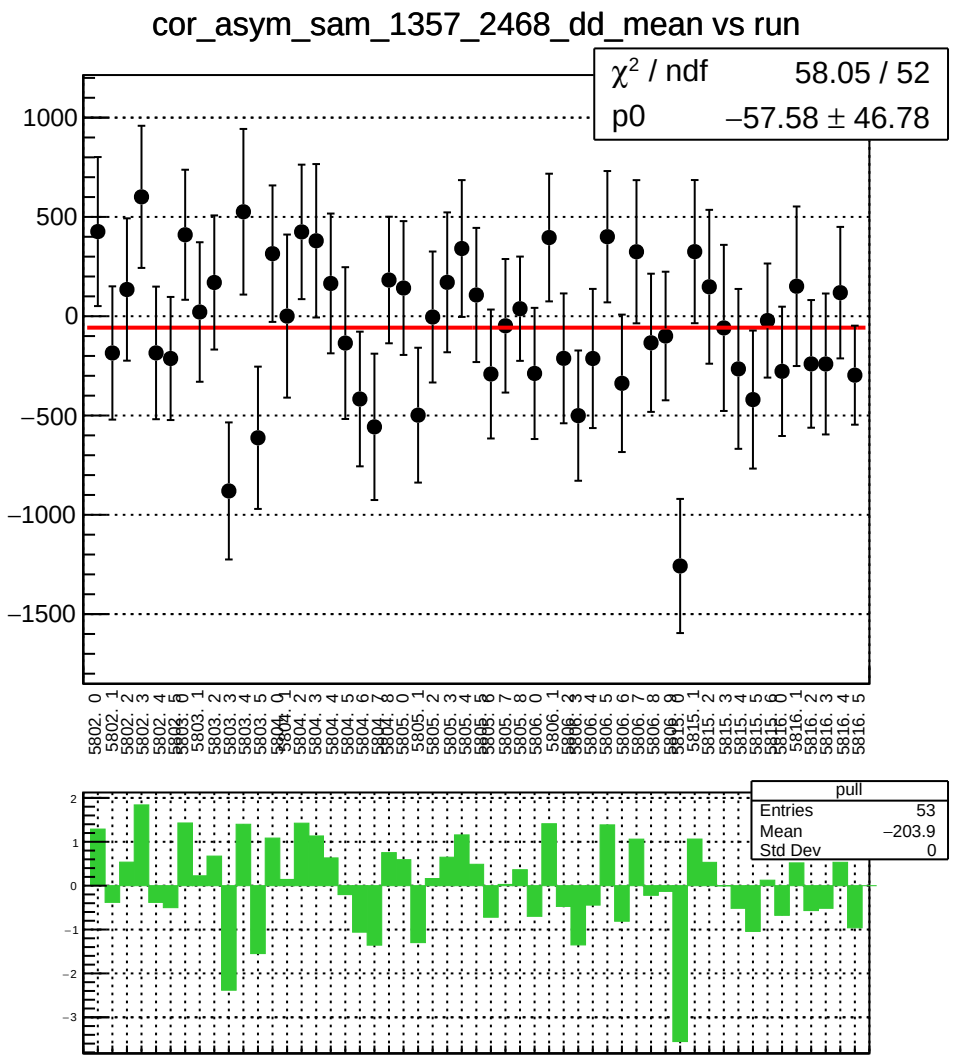

pull1D
Entries 53
Mean 0.01584
Std Dev 1.046

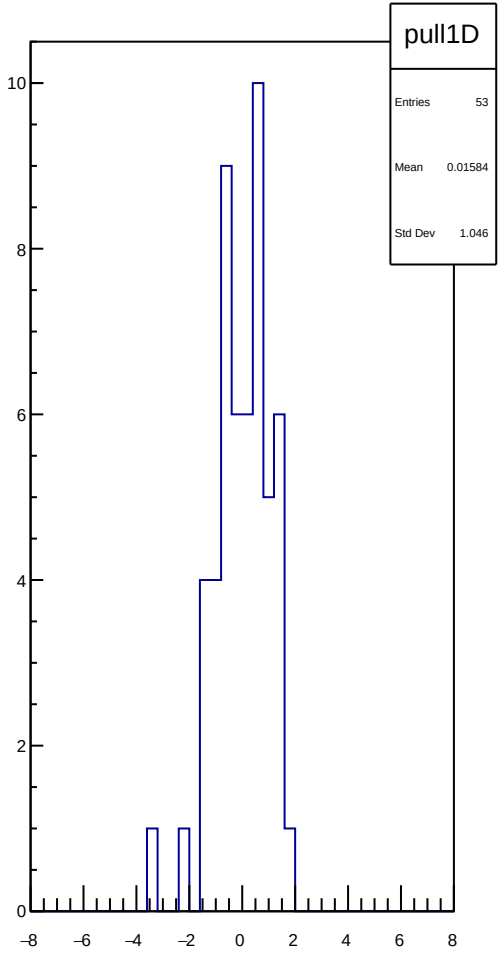

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4375 / 52
p0 33.03 ± 0.03308
40
38
36
34
32
30

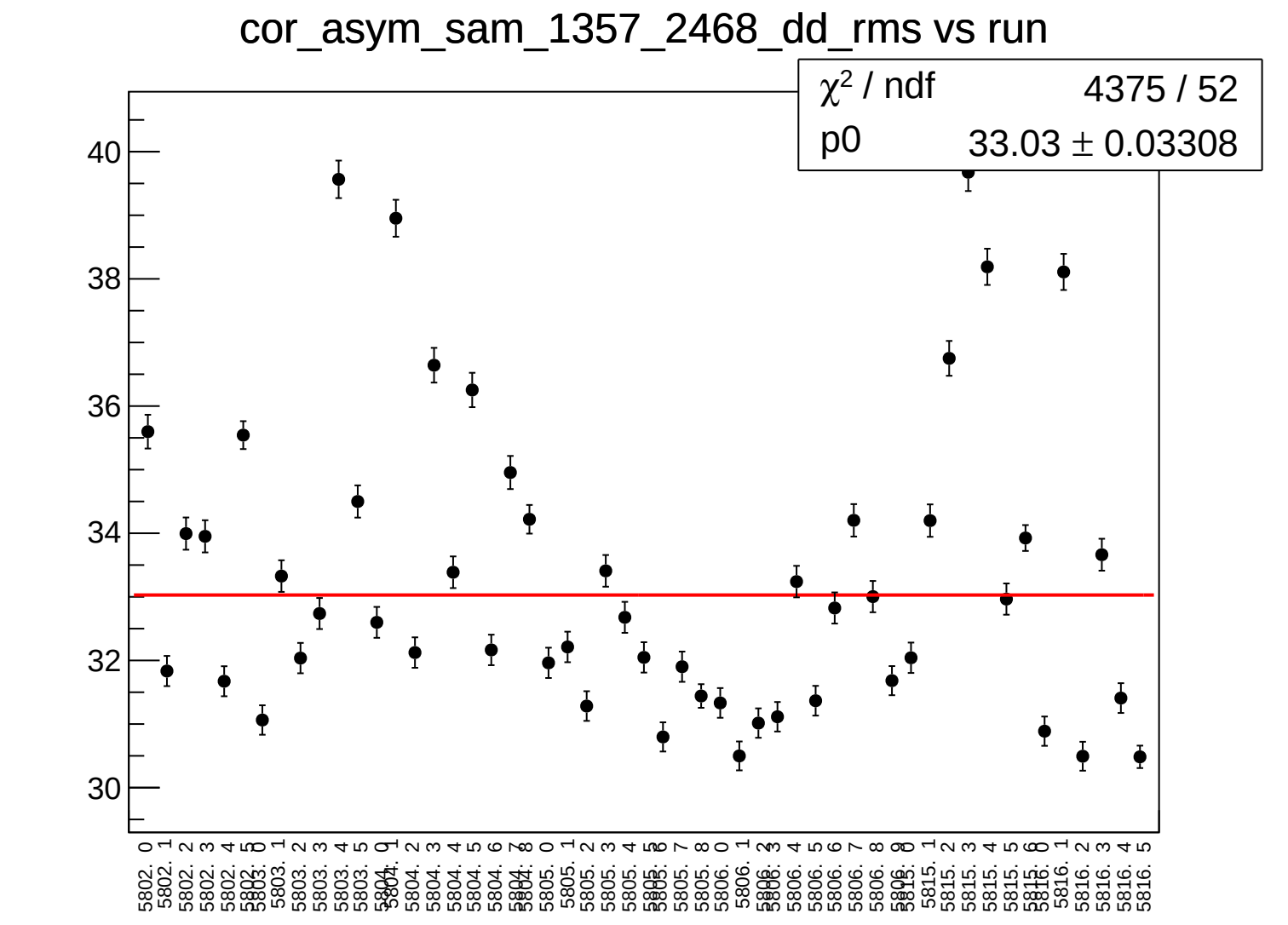

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 62.96 / 52
p0 −229.2 ± 581.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −97.06
Std Dev 0
2
1
0
−1
−2

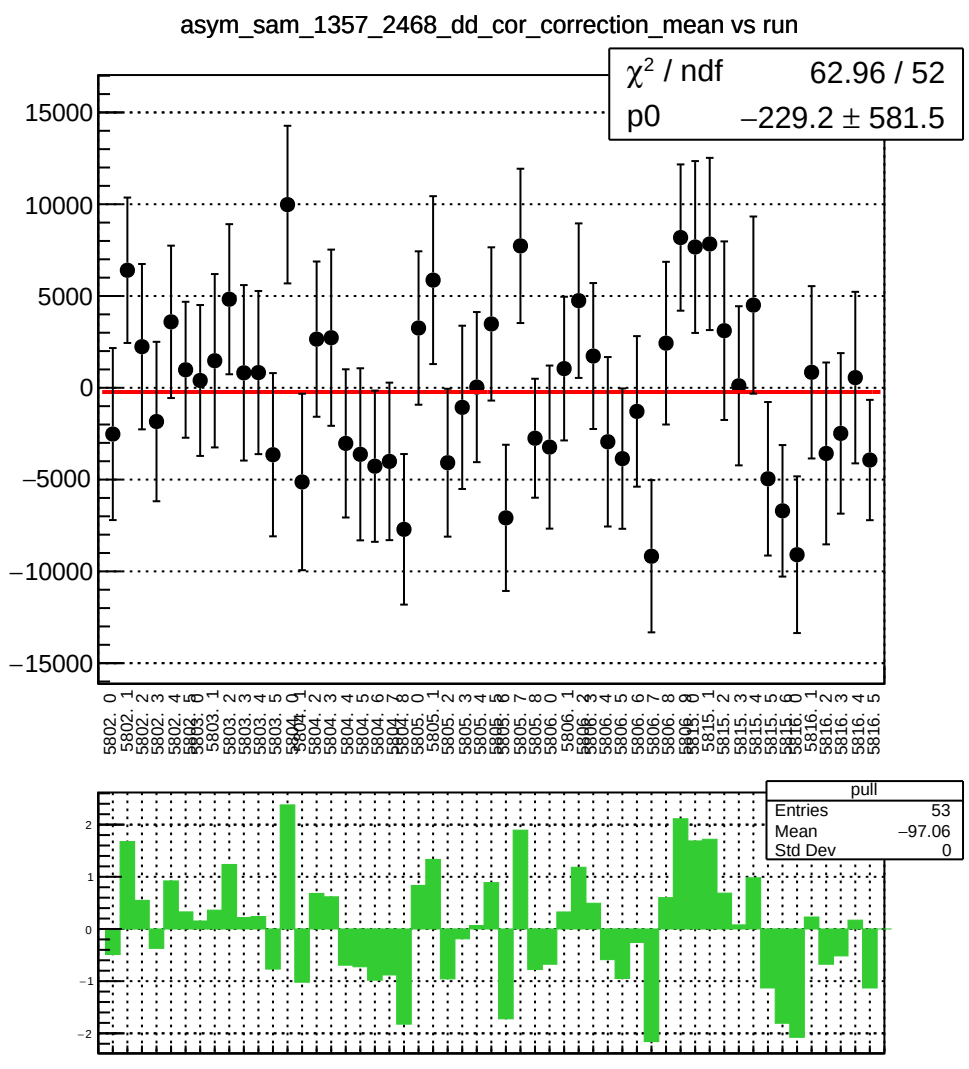

pull1D
Entries 53
Mean 0.02406
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

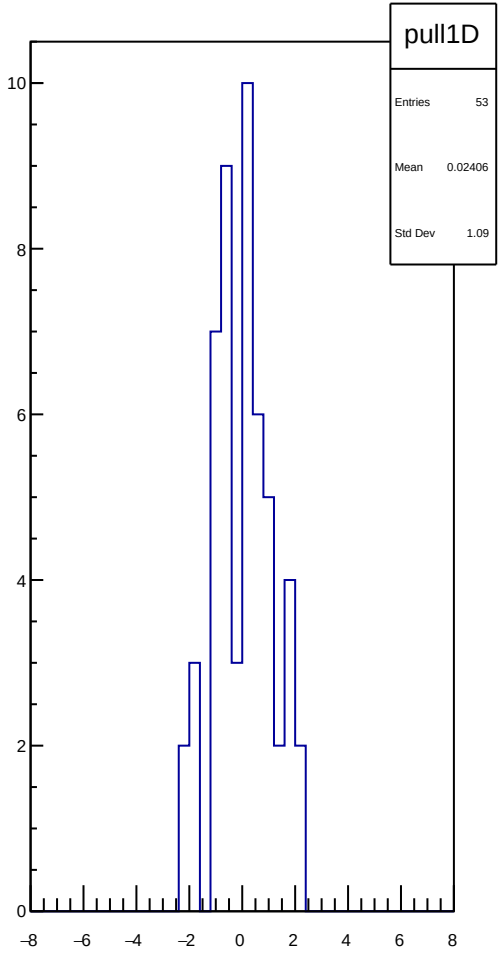

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 4118 / 52
p0 410.7 ± 0.4112
480
460
440
420
400
380
360

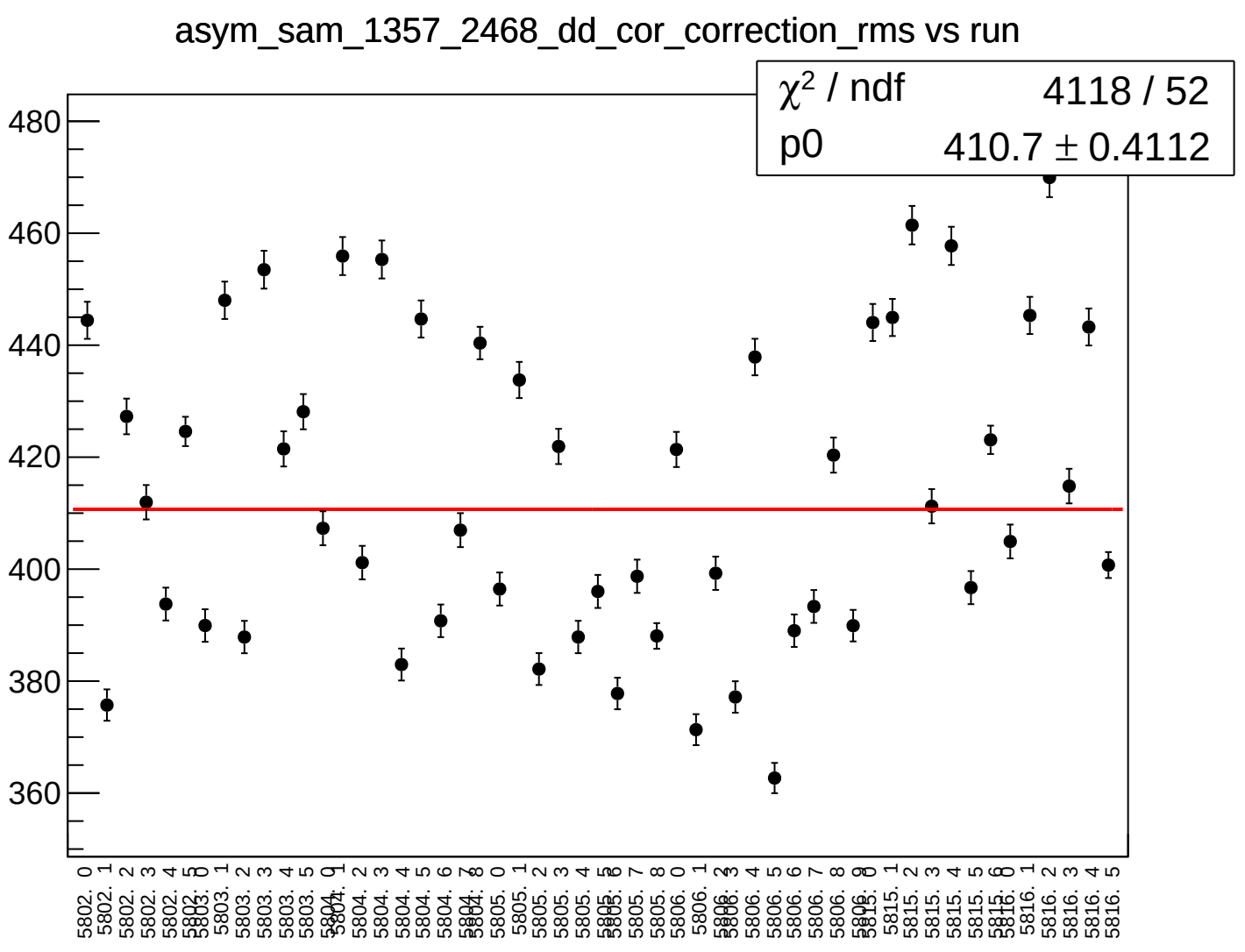

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.05 / 52
p0 −57.58 ± 46.78
pull
Entries 53
Mean −203.9
Std Dev 0

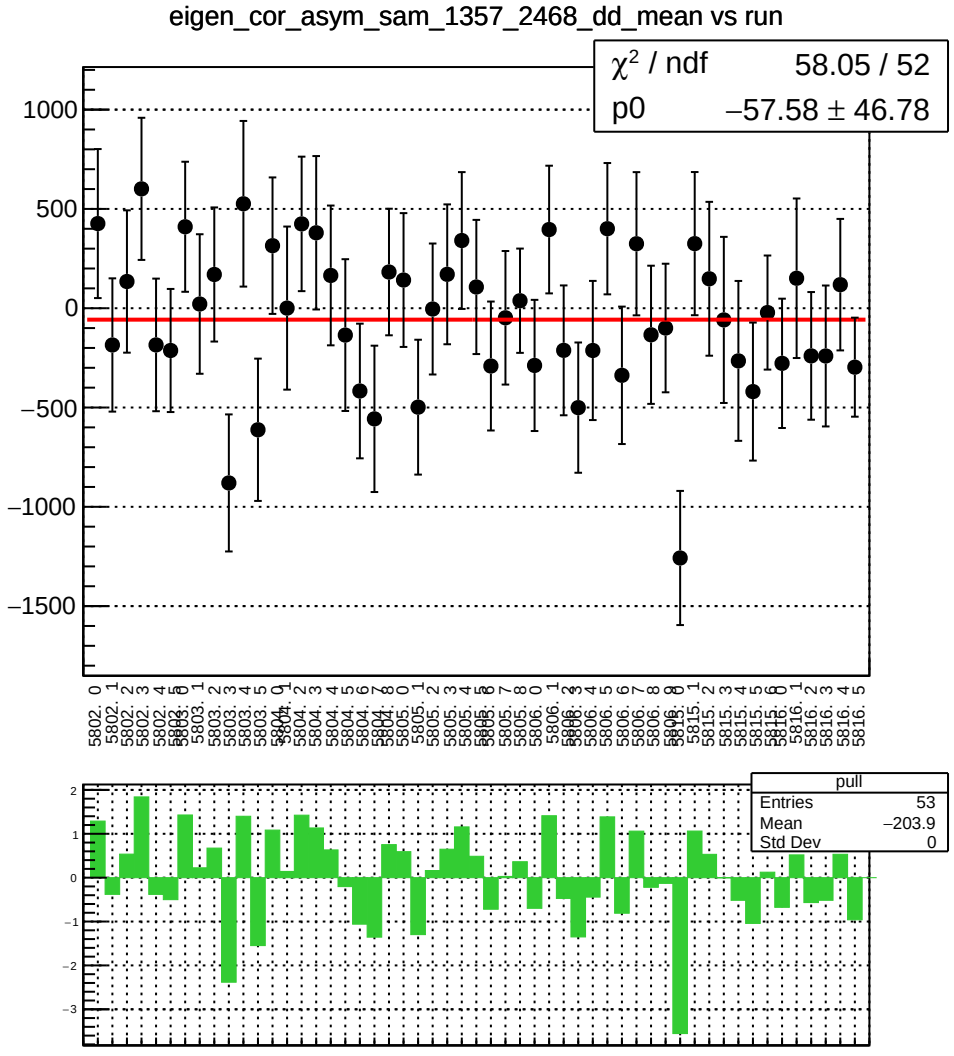

pull1D
Entries 53
Mean 0.01584
Std Dev 1.046

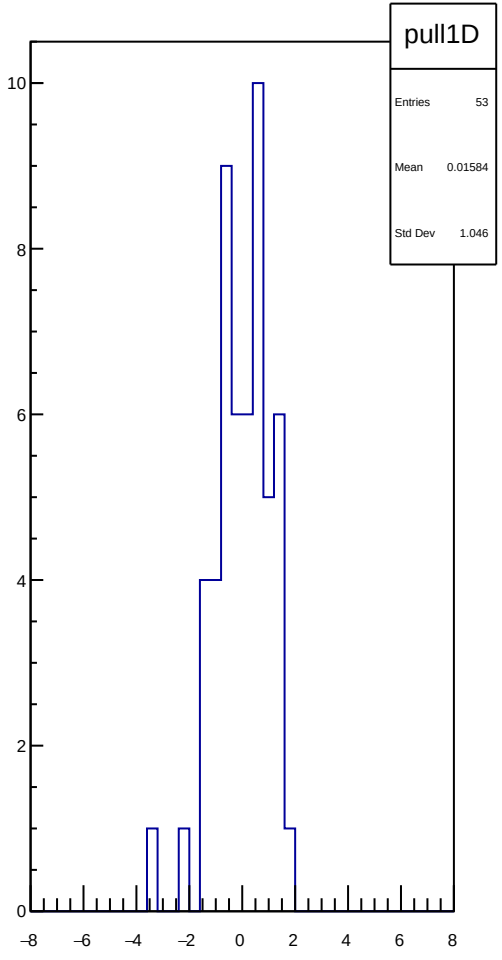

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4375 / 52
p0 33.03 ± 0.03308
40
38
36
34
32
30

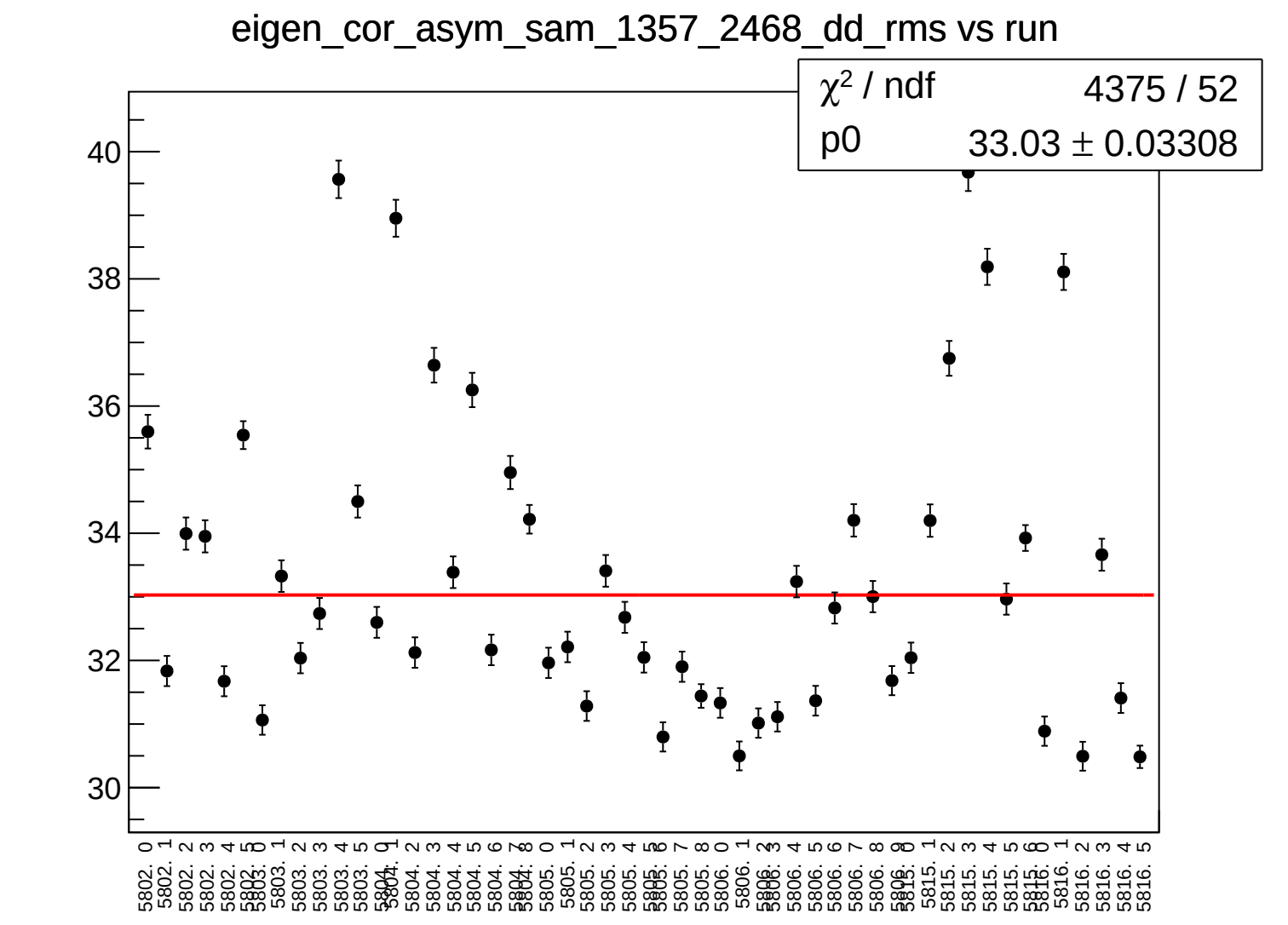

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 62.96 / 52
p0 −229.2 ± 581.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −97.06
Std Dev 0
2
1
0
−1
−2

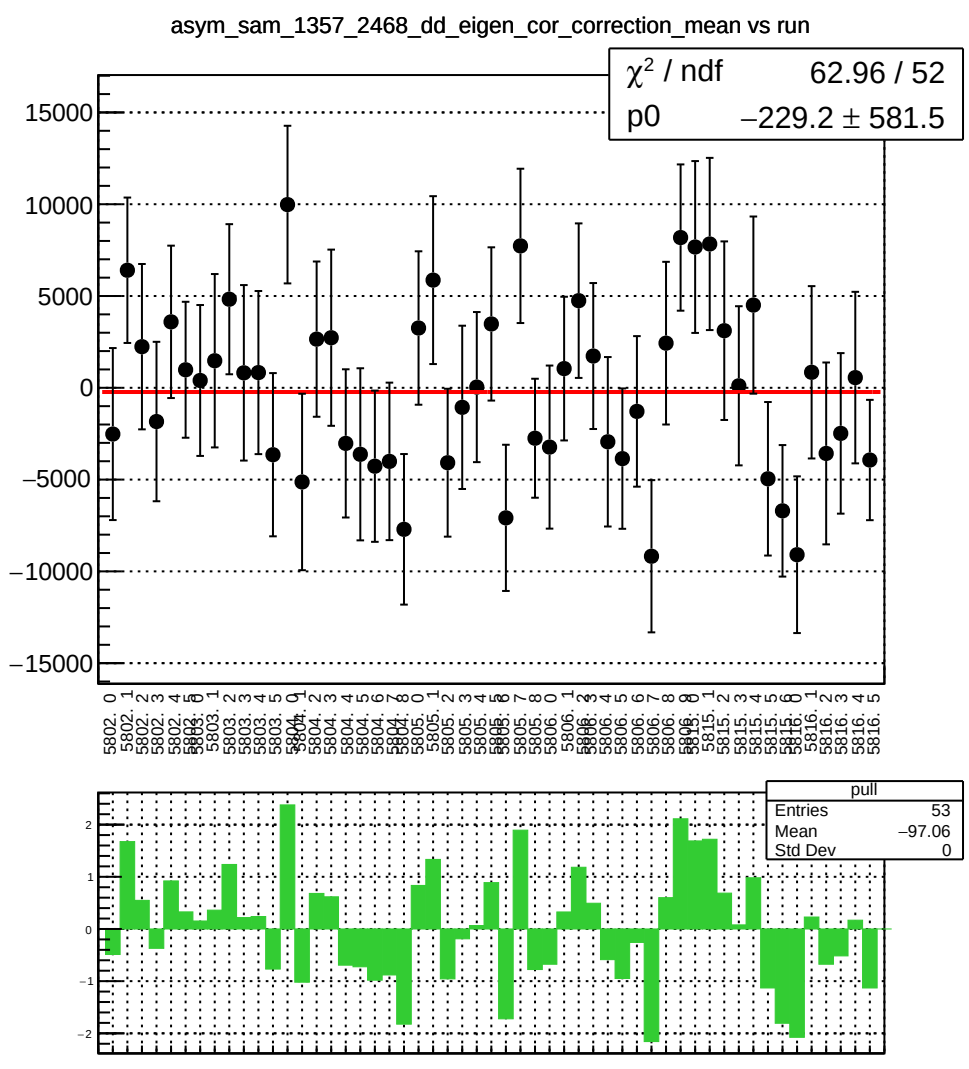

pull1D
Entries 53
Mean 0.02406
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

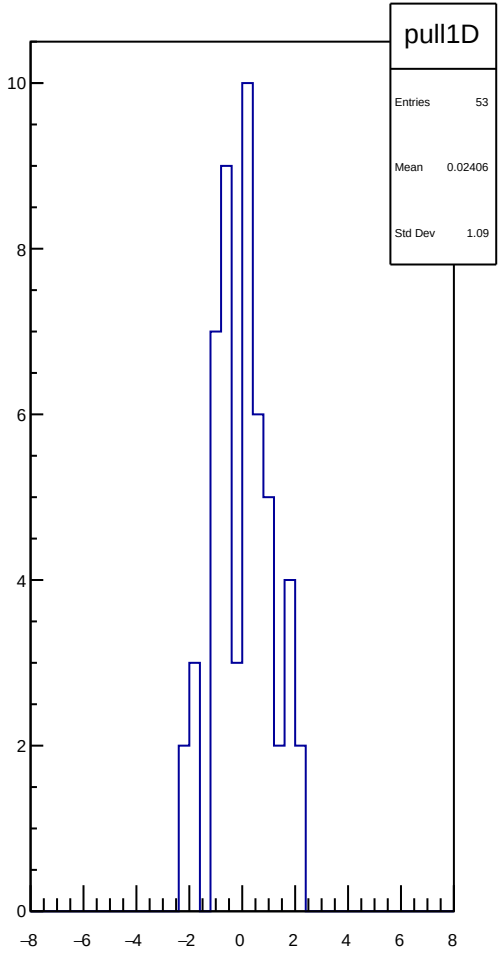

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 4118 / 52
p0 410.7 ± 0.4112
480
460
440
420
400
380
360

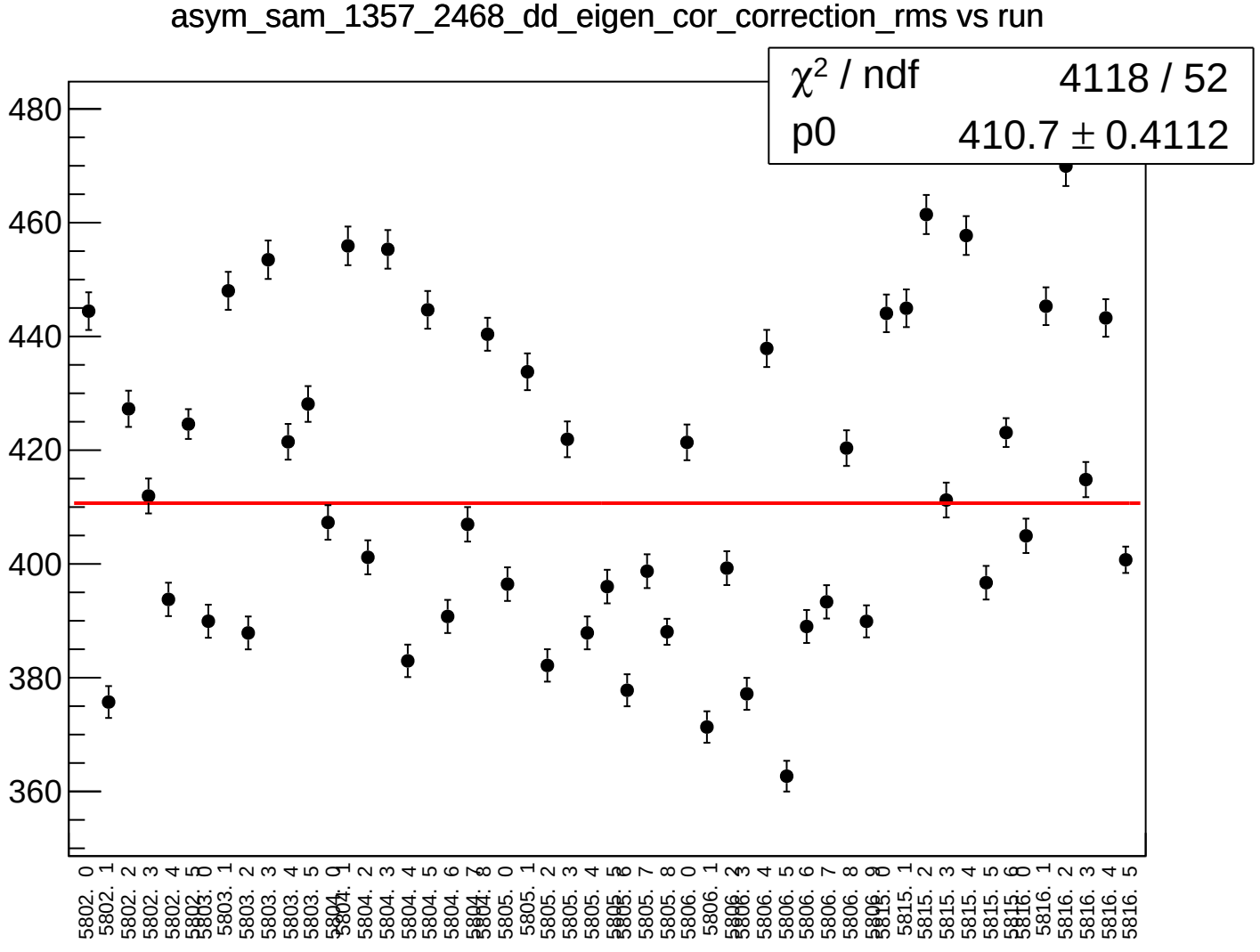

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.05 / 52
p0 −57.58 ± 46.78
1000
500
0
−500
−1000
−1500
pull
Entries 53
Mean −203.9
Std Dev 0
2
1
0
−1
−2
−3

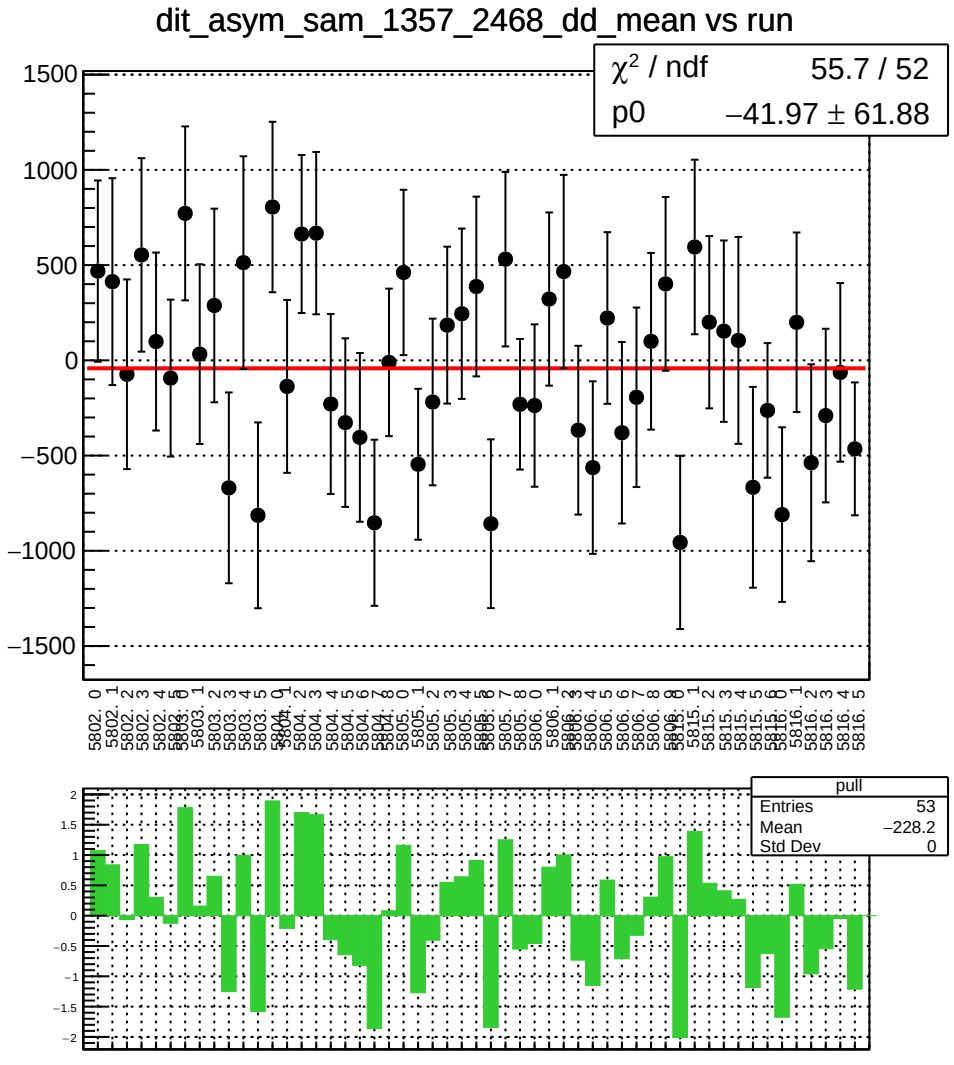

pull1D
Entries 53
Mean 0.01584
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

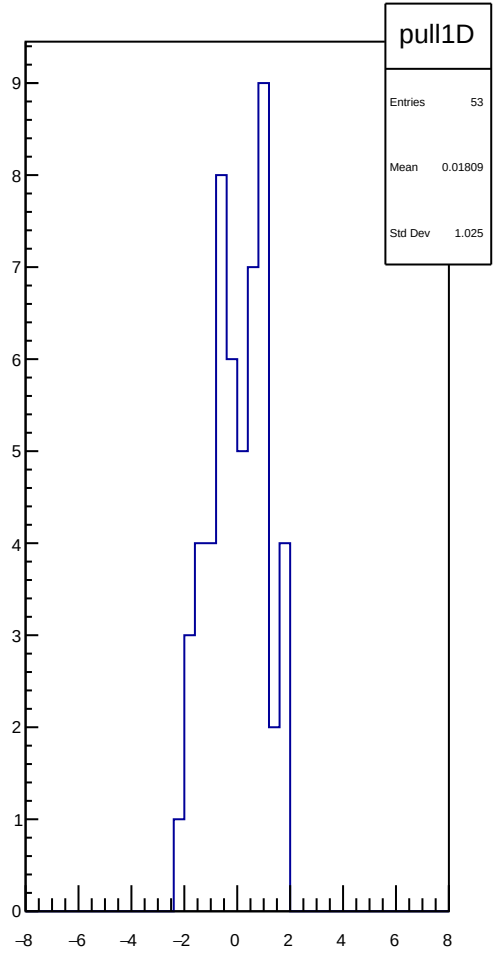

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4375 / 52
p0 33.03 ± 0.03308
40
38
36
34
32
30

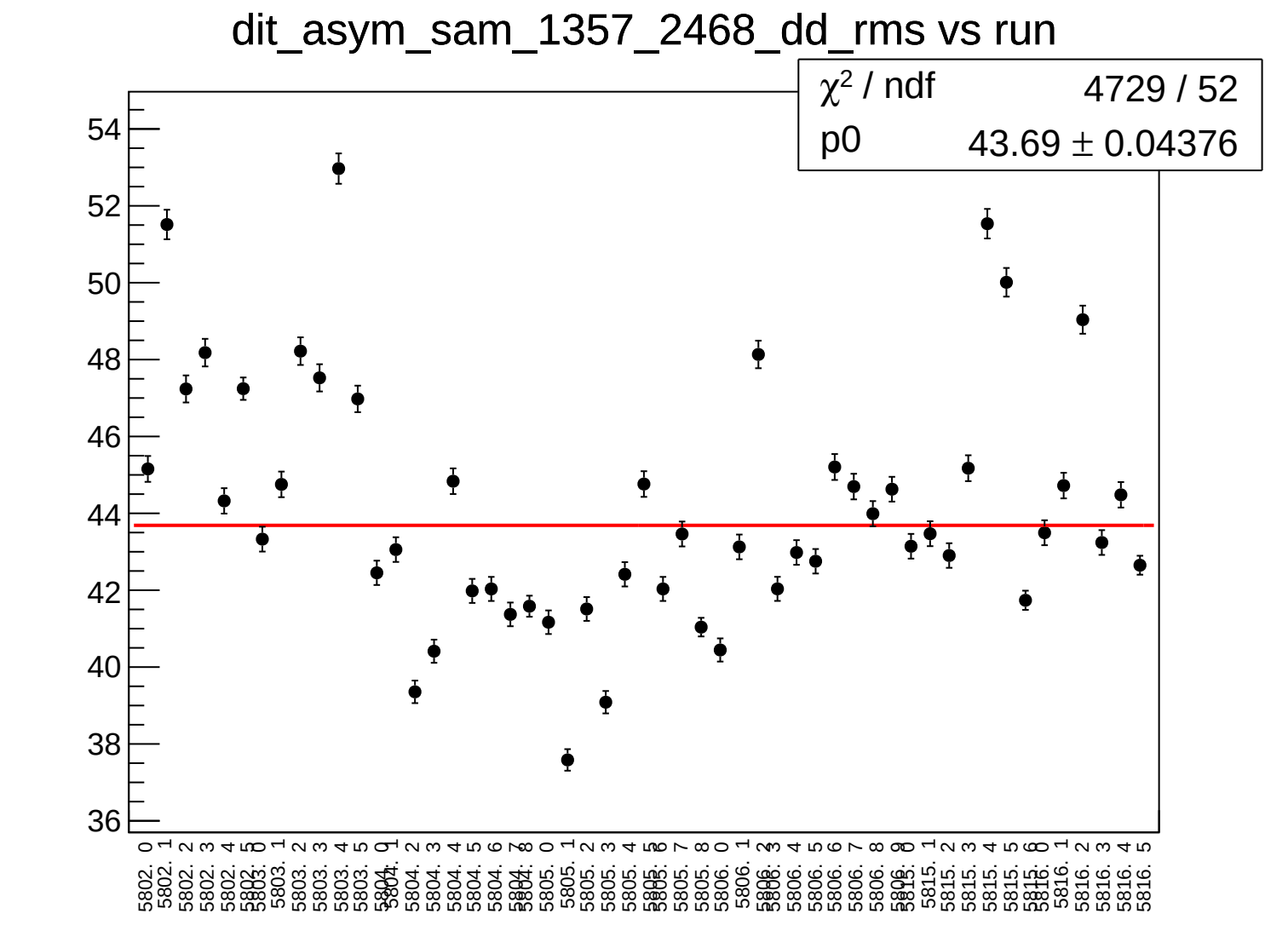

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.96 / 52
p0 −229.2 ± 581.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −97.06
Std Dev 0
2
1
0
−1
−2

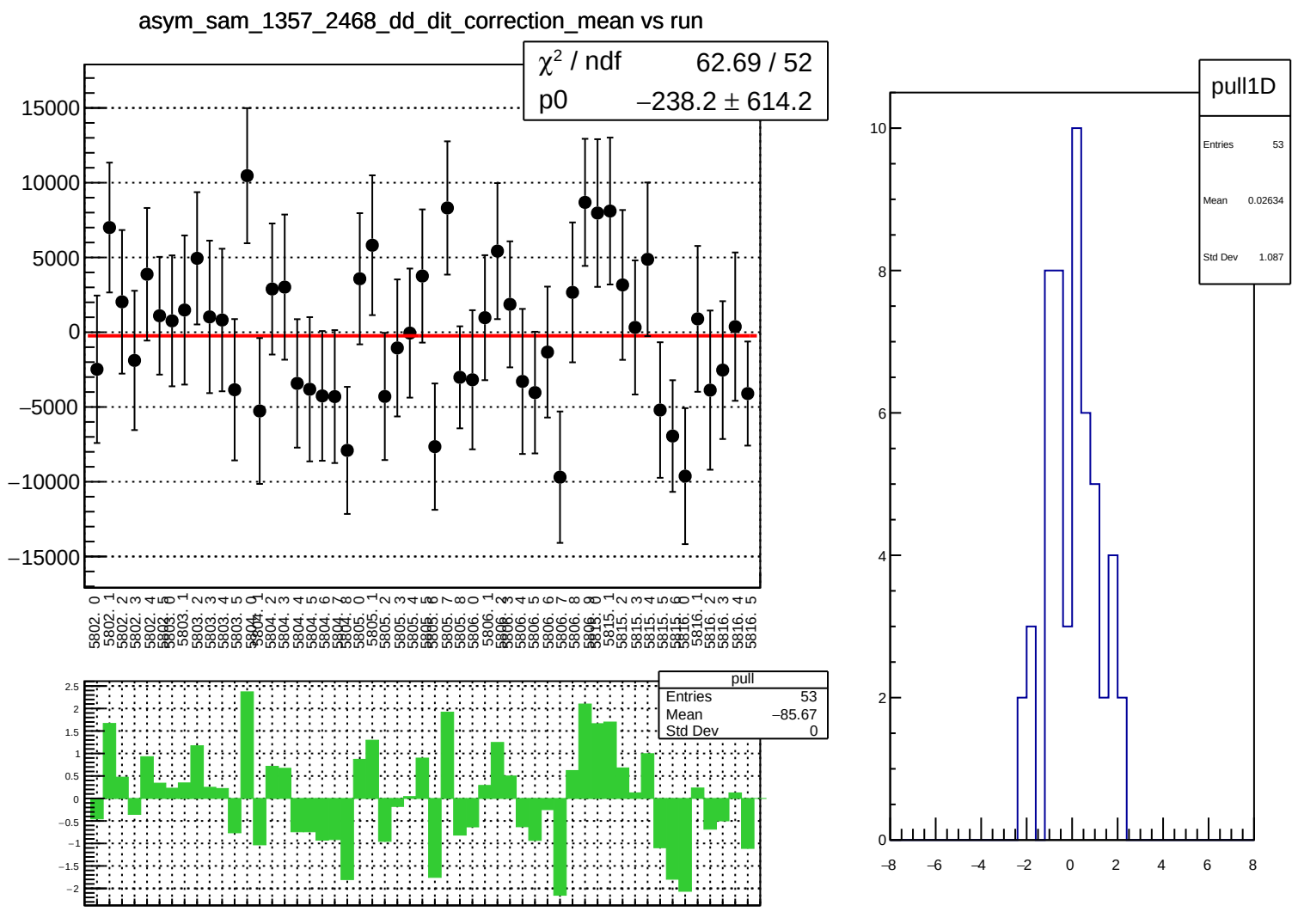

pull1D
Entries 53
Mean 0.02406
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

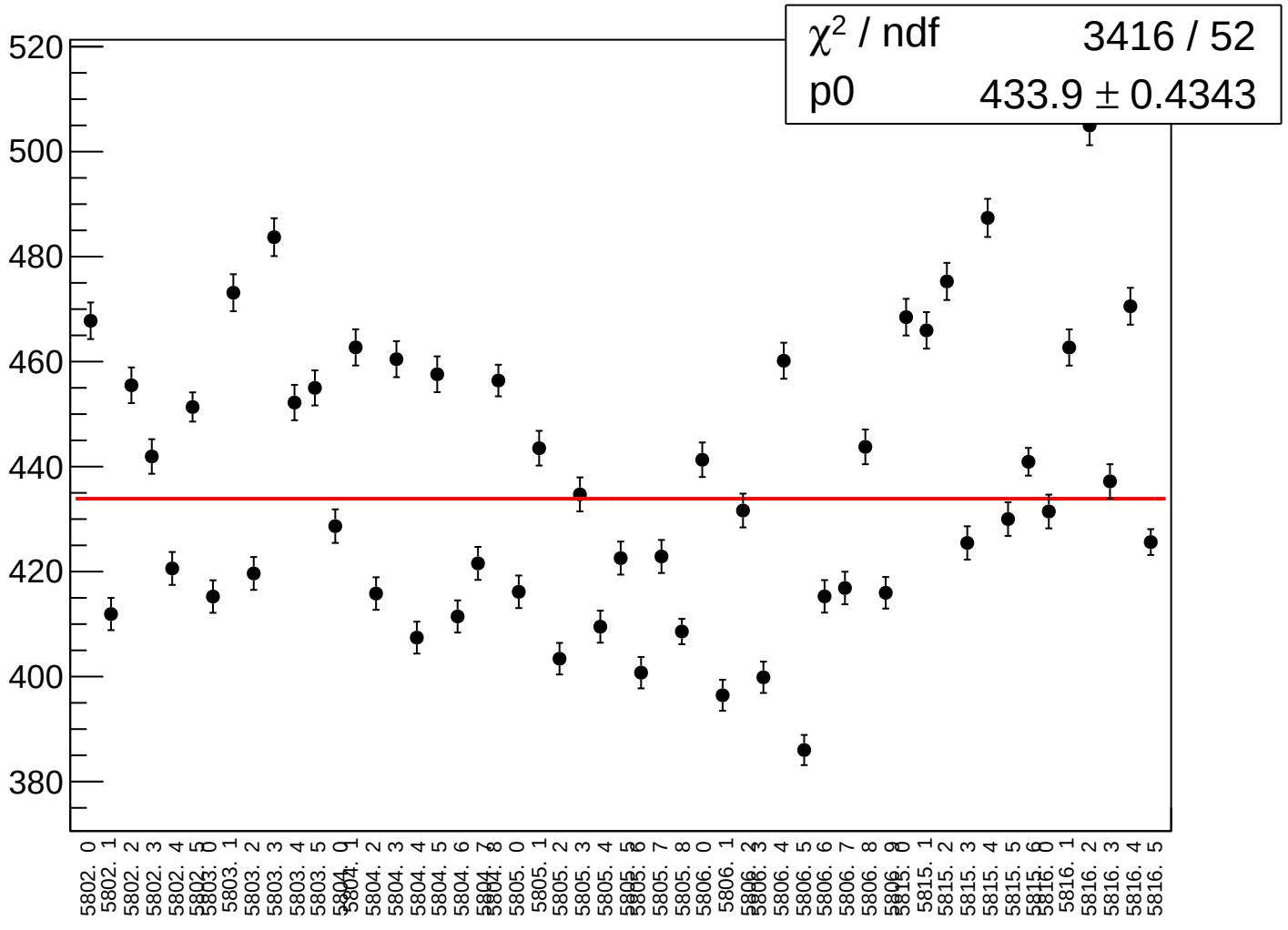

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 4118 / 52
p0 410.7 ± 0.4112
480
460
440
420
400
380
360

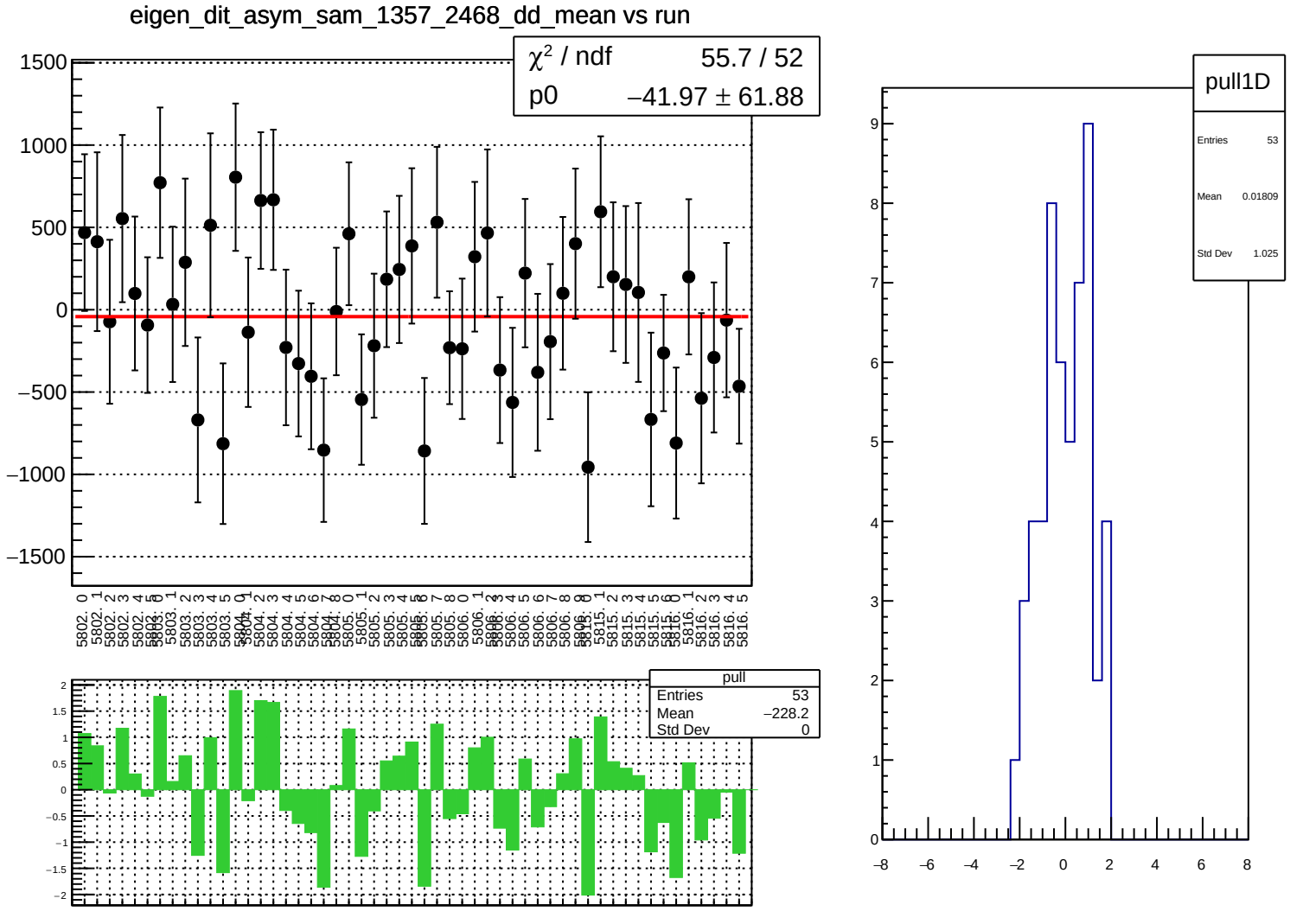

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 55.7 / 52
p0 −41.97 ± 61.88
pull
Entries 53
Mean −228.2
Std Dev 0

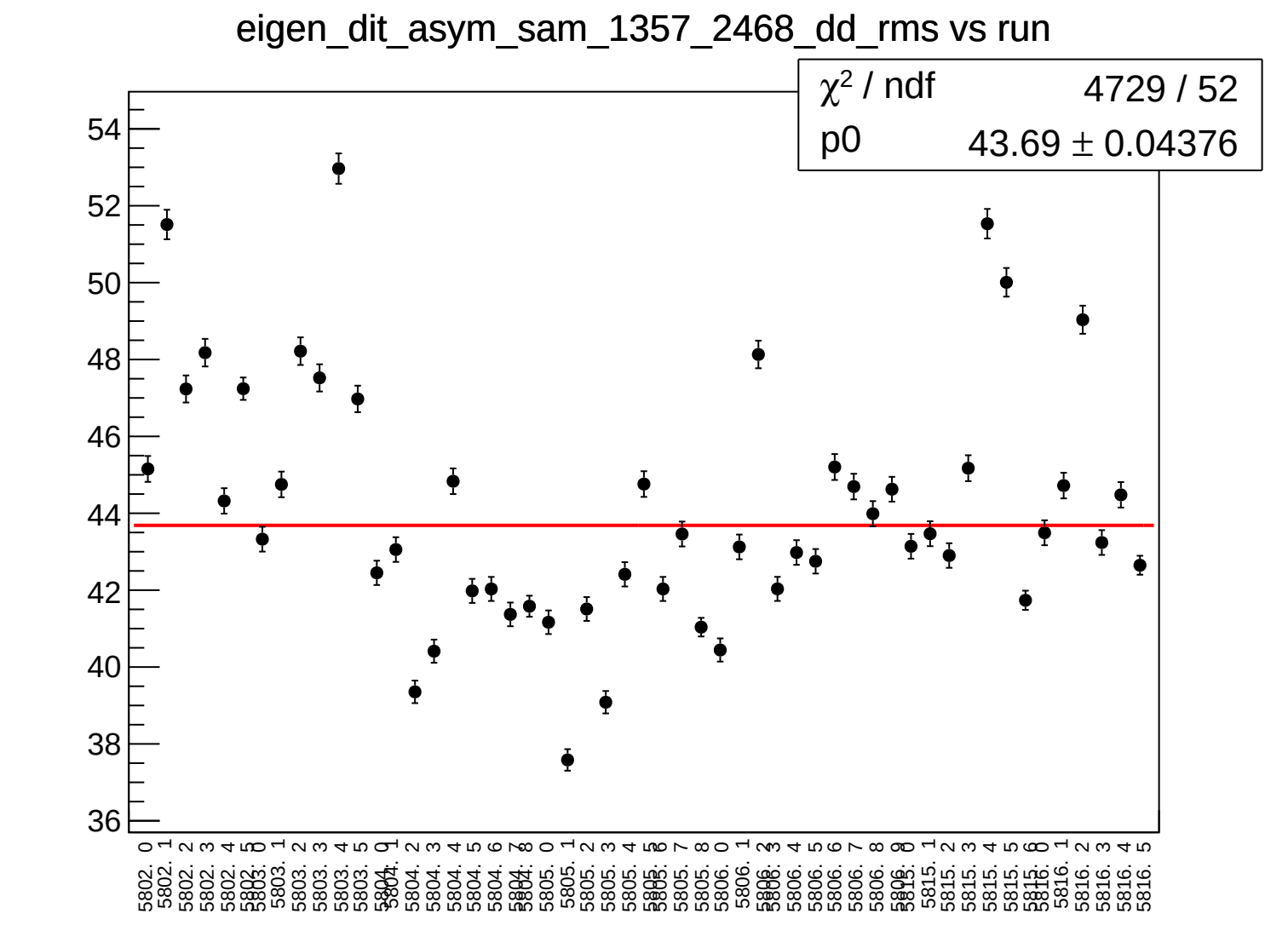

pull1D
Entries 53
Mean 0.01809
Std Dev 1.025

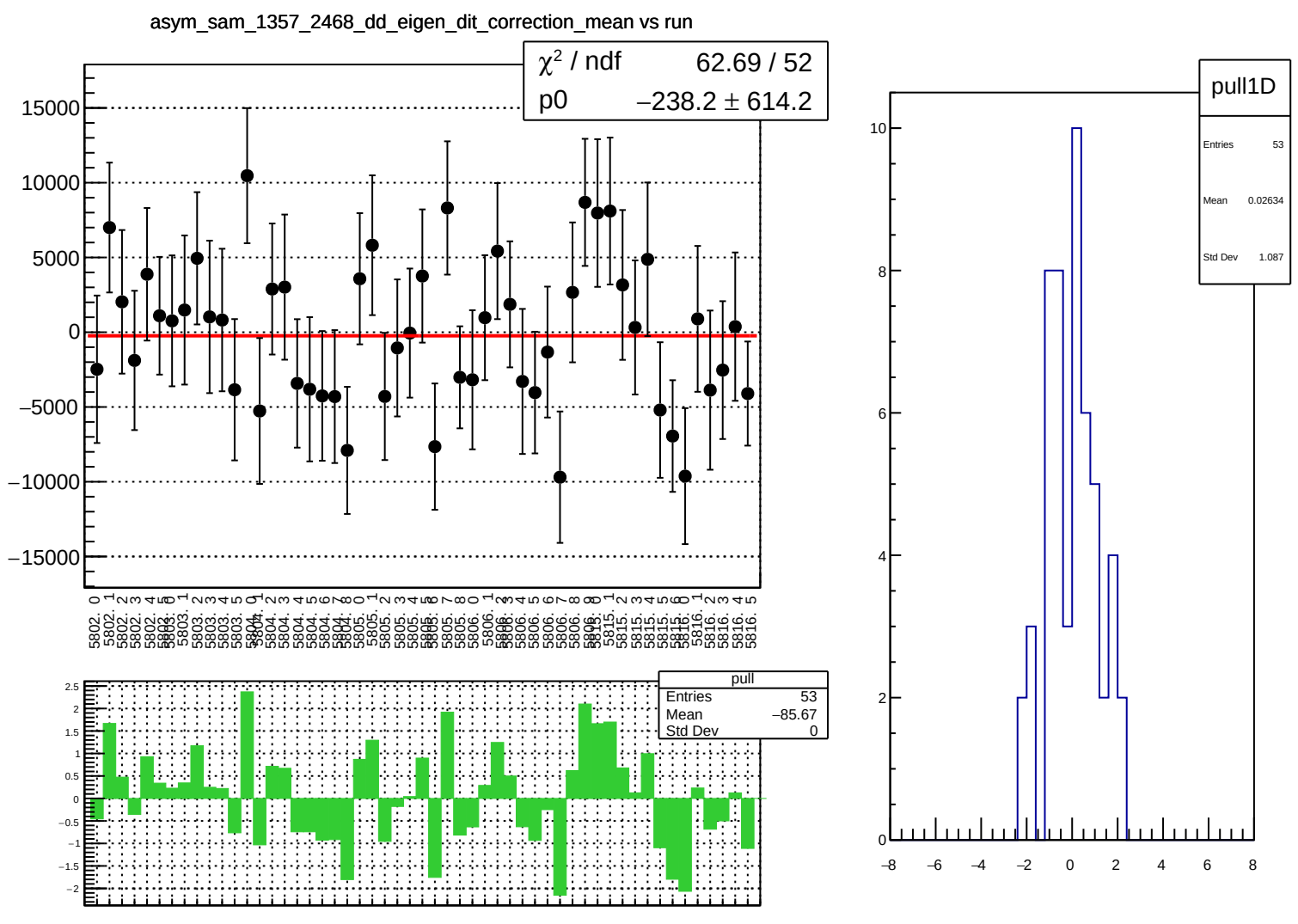

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4729 / 52
p0 43.69 ± 0.04376
54
52
50
48
46
44
42
40
38
36

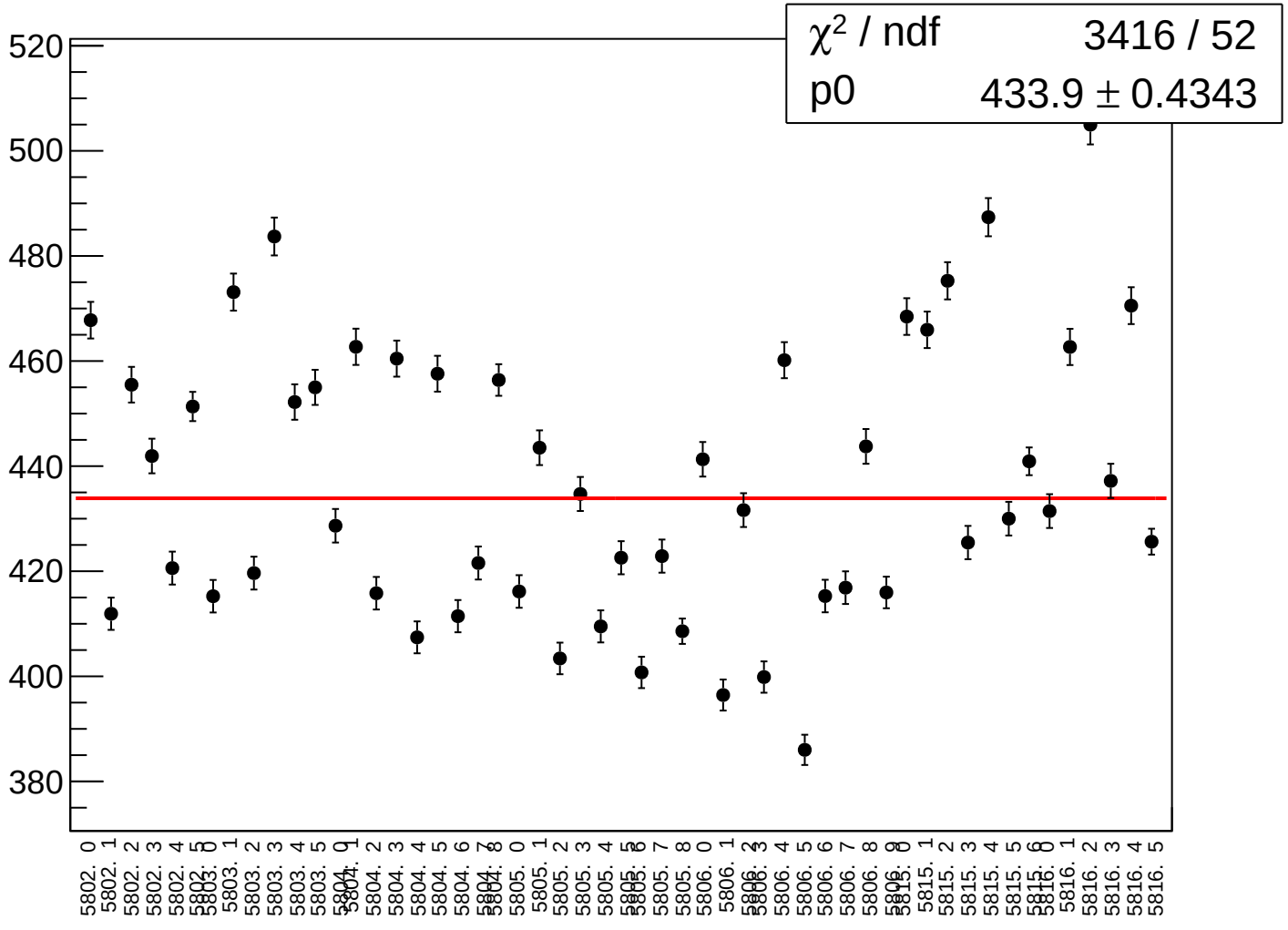

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 62.69 / 52
p0 −238.2 ± 614.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −85.67
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.02634
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

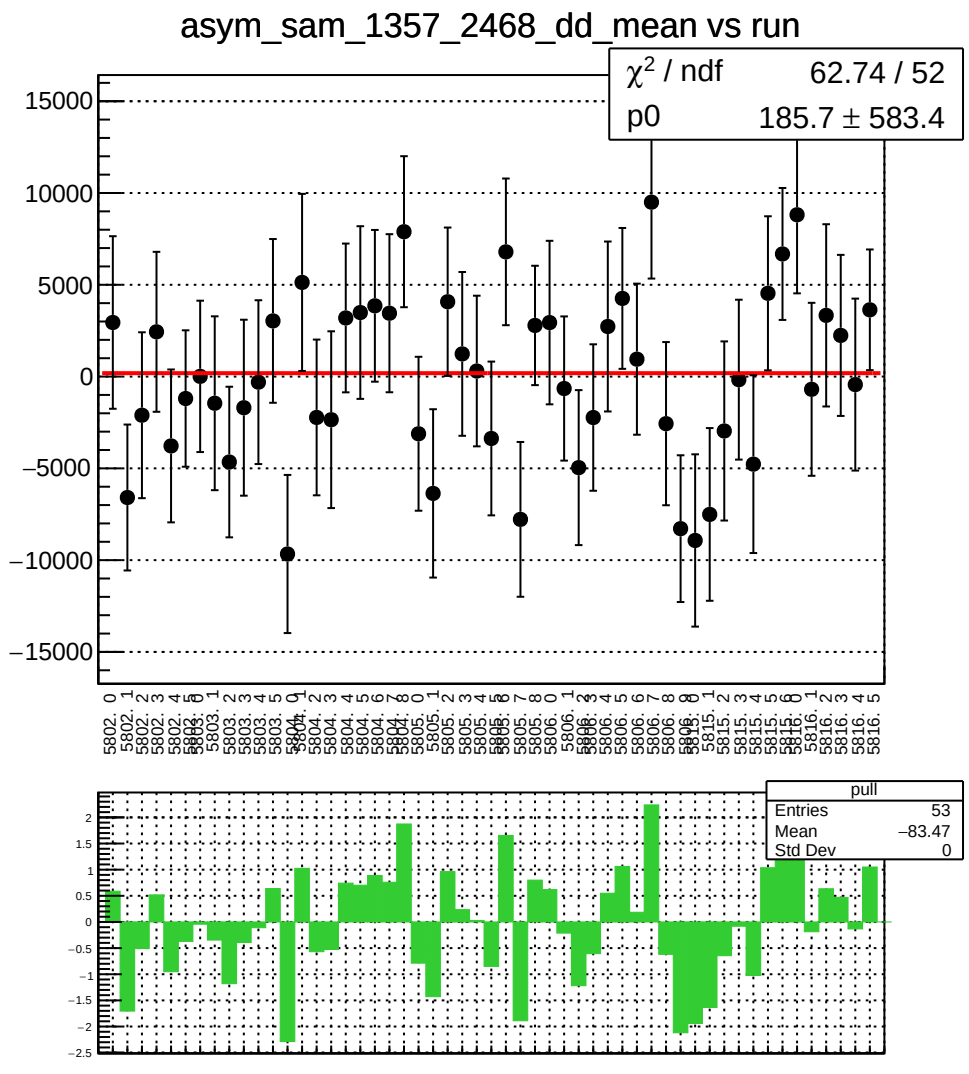

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3416 / 52
p0 433.9 ± 0.4343
520
500
480
460
440
420
400
380

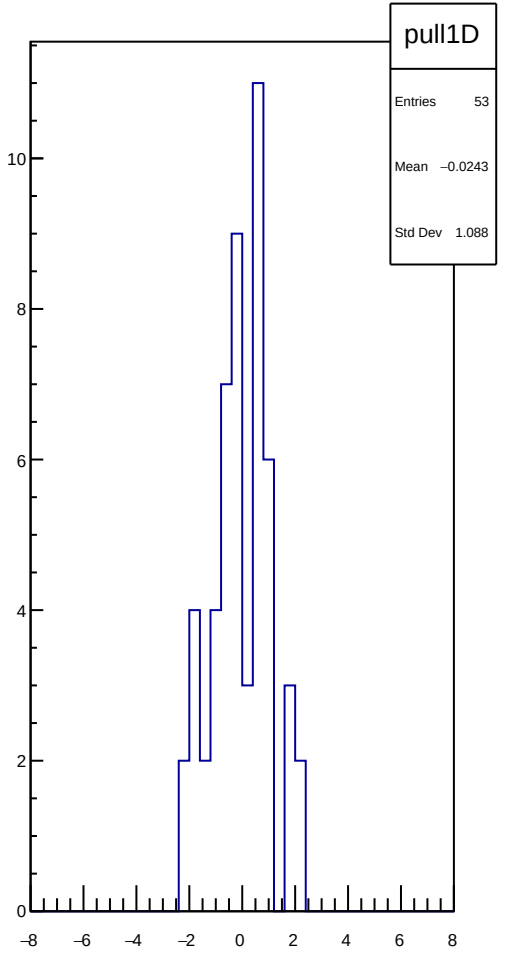

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 55.7 / 52
p0 −41.97 ± 61.88
pull
Entries 53
Mean −228.2
Std Dev 0
pull1D
Entries 53
Mean 0.01809
Std Dev 1.025

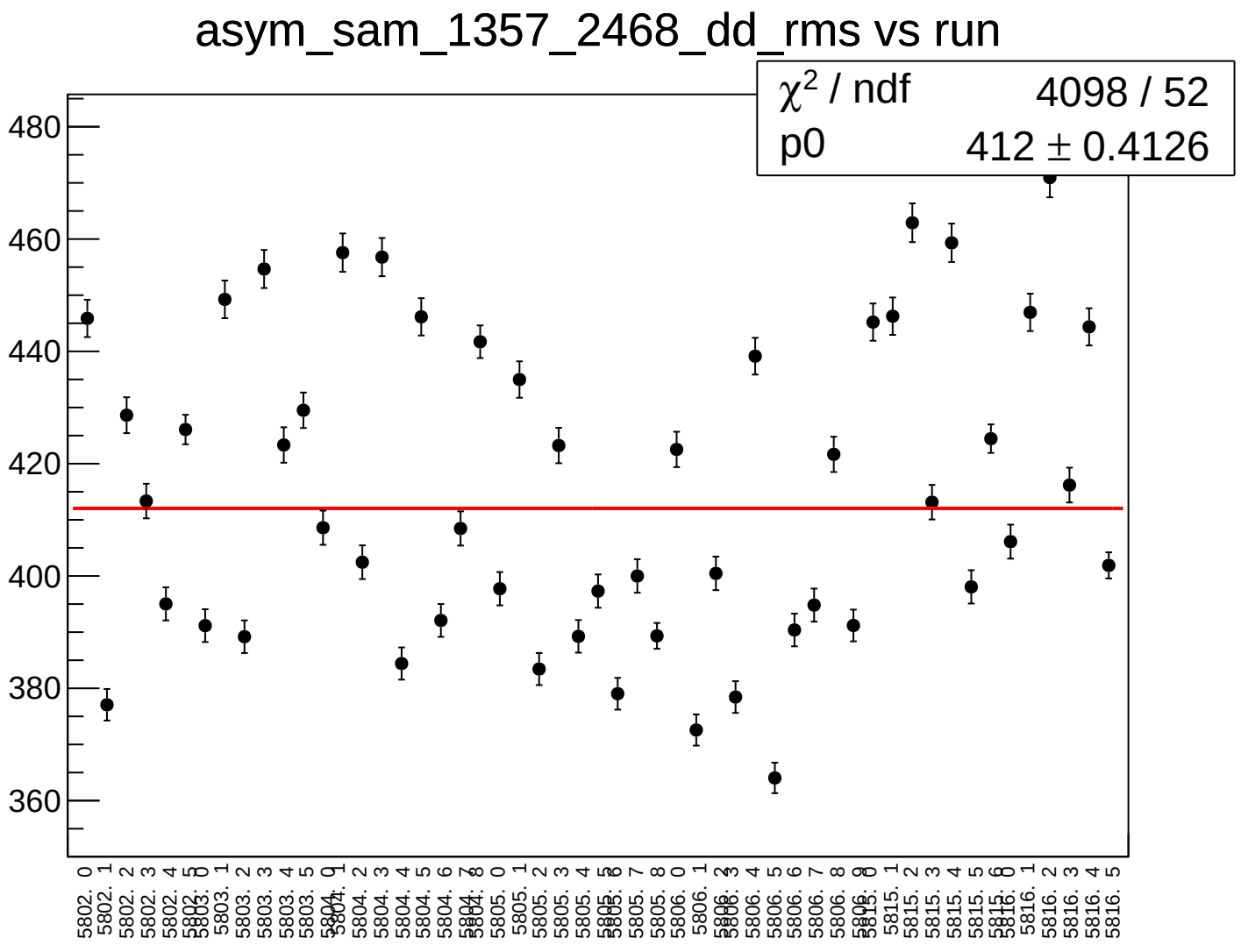

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4729 / 52
p0 43.69 ± 0.04376
54
52
50
48
46
44
42
40
38
36

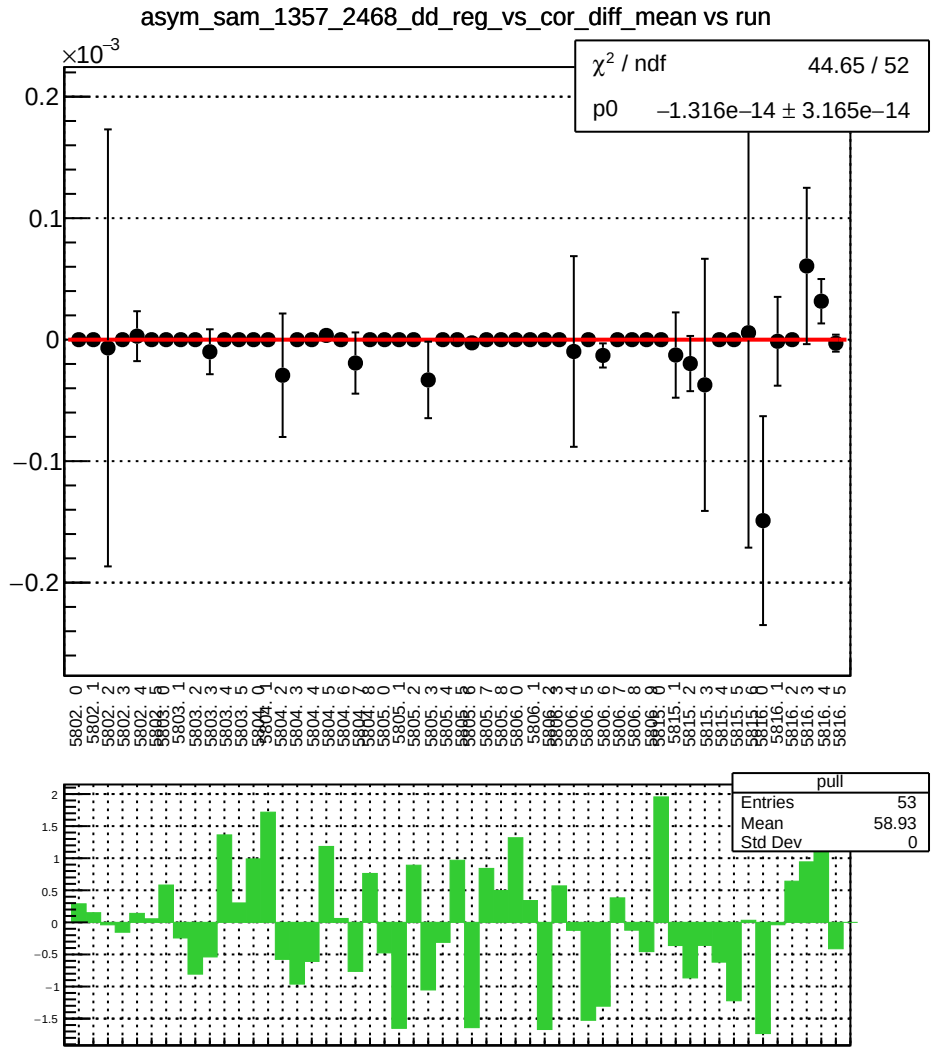

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.69 / 52
p0 −238.2 ± 614.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −85.67
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.02634
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

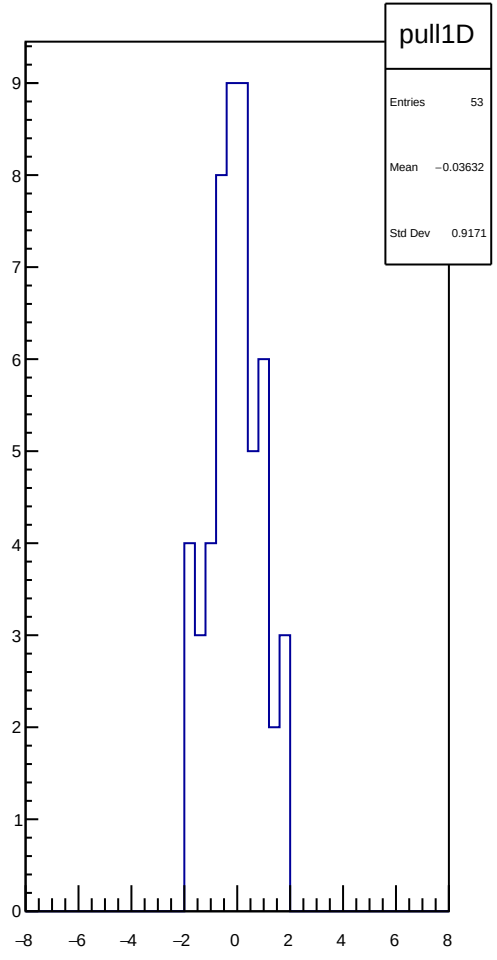

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3416 / 52
p0 433.9 ± 0.4343
520
500
480
460
440
420
400
380

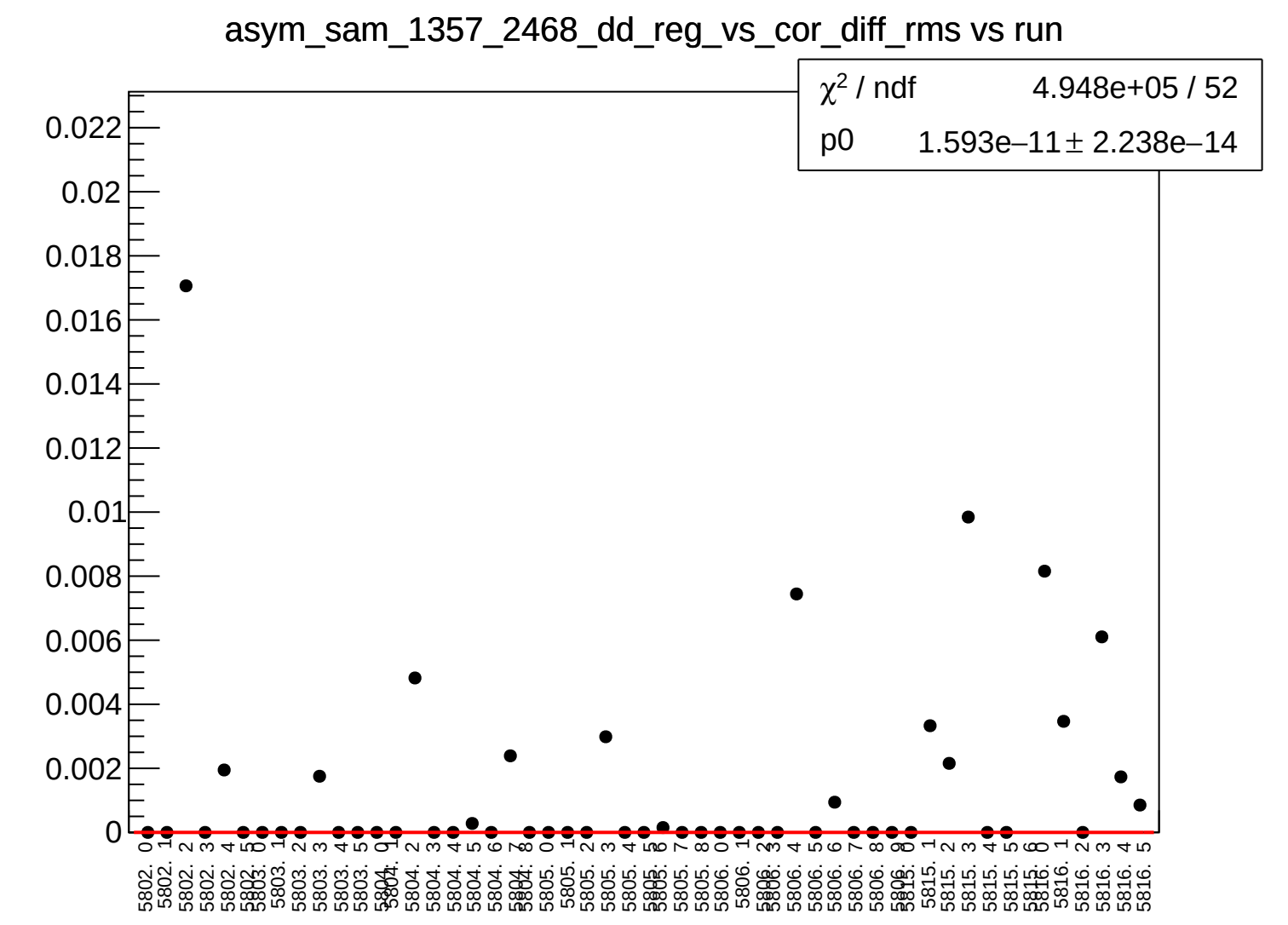

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 62.74 / 52
p0 185.7 ± 583.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −83.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

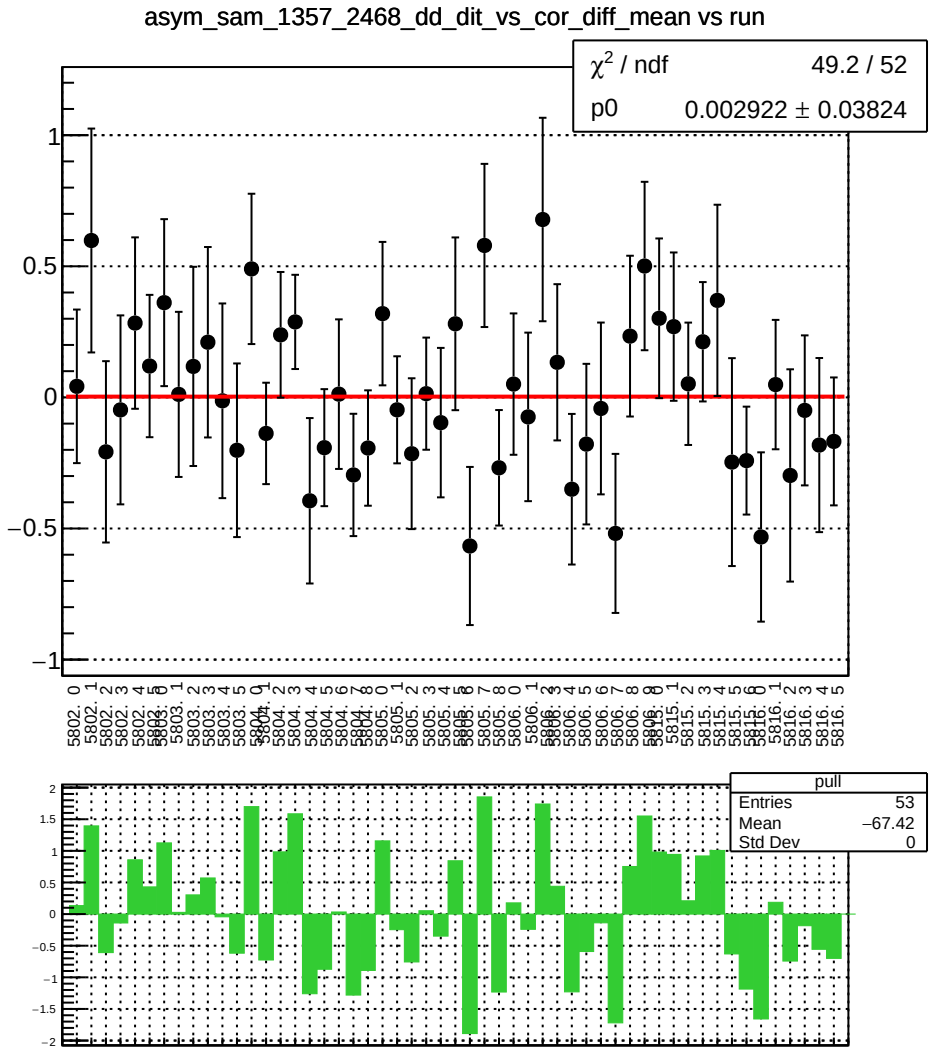

pull1D
Entries 53
Mean −0.0243
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

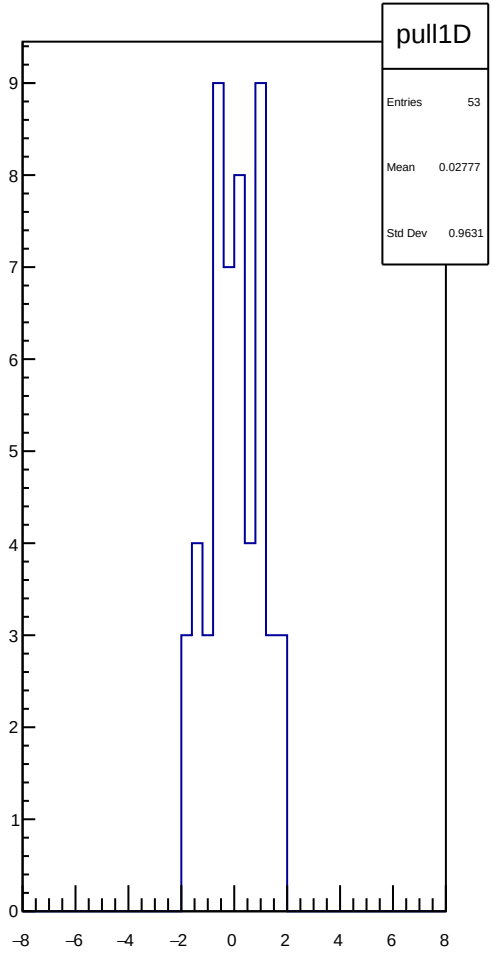

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4098 / 52
p0 412 ± 0.4126
480
460
440
420
400
380
360

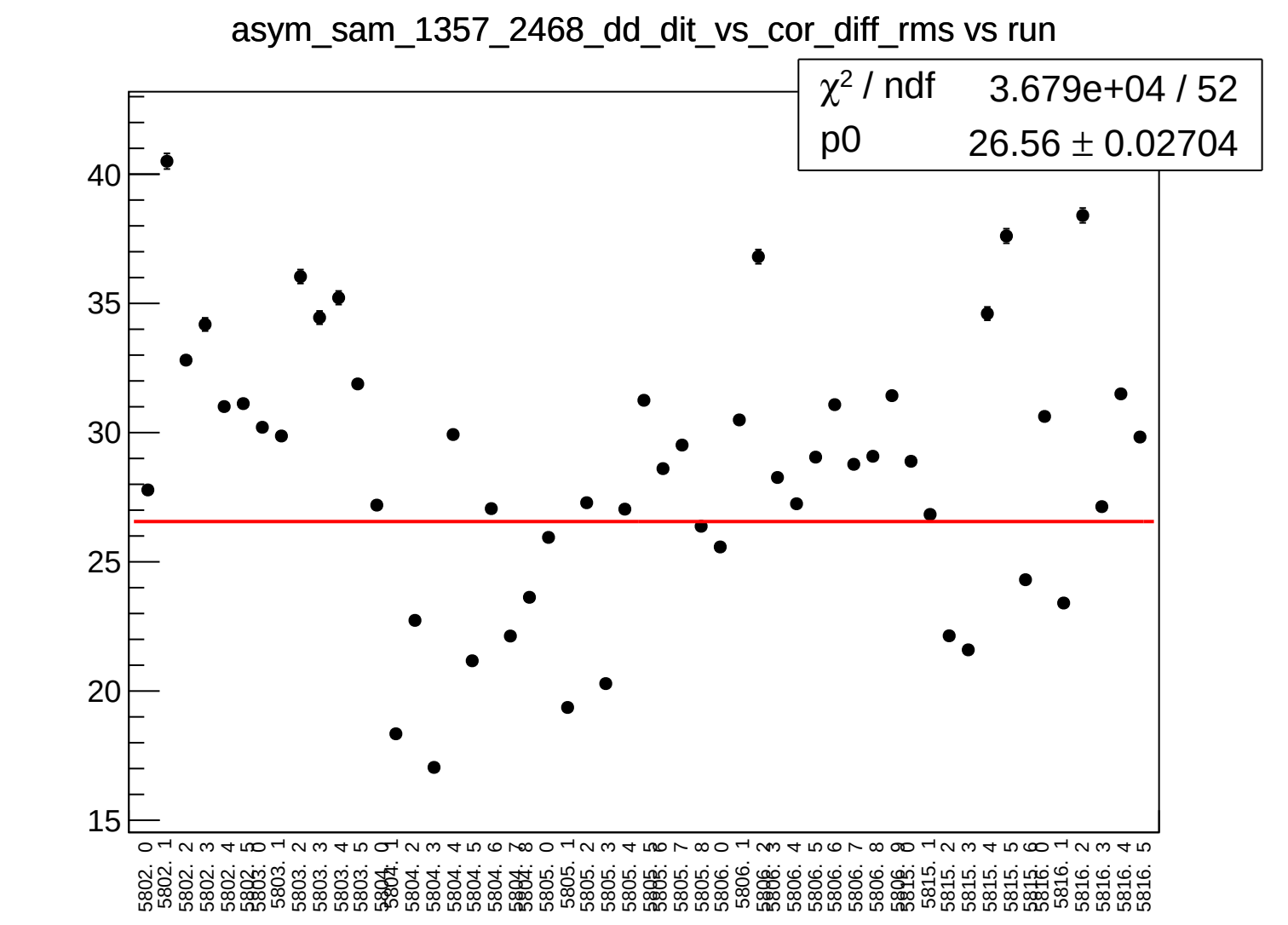

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 44.65 / 52
p0 −1.316e−14 ± 3.165e−14
pull
Entries 53
Mean 58.93
Std Dev 0

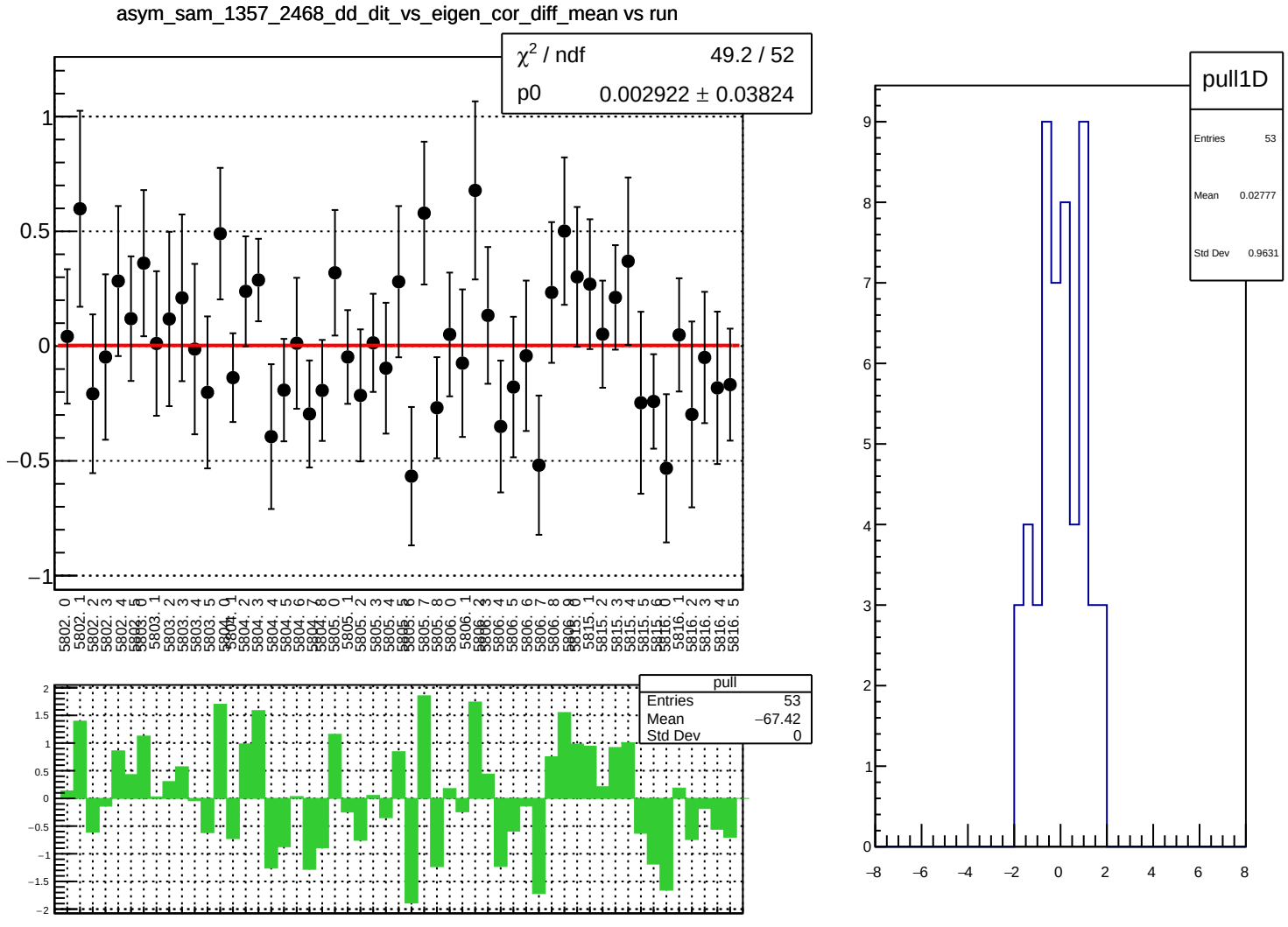

pull1D
Entries 53
Mean −0.03632
Std Dev 0.9171

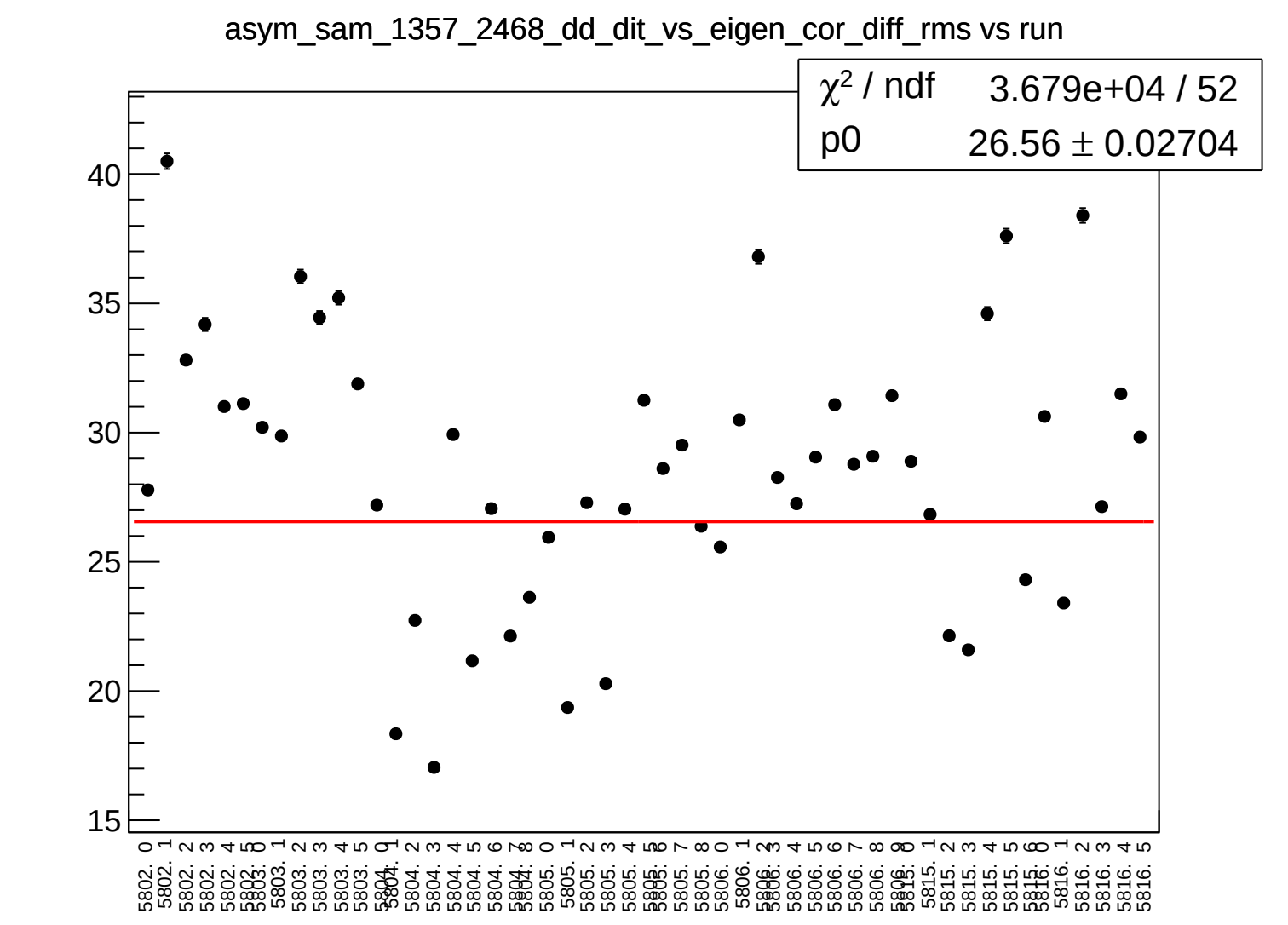

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.948e+05 / 52
p0 1.593e−11 ± 2.238e−14
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

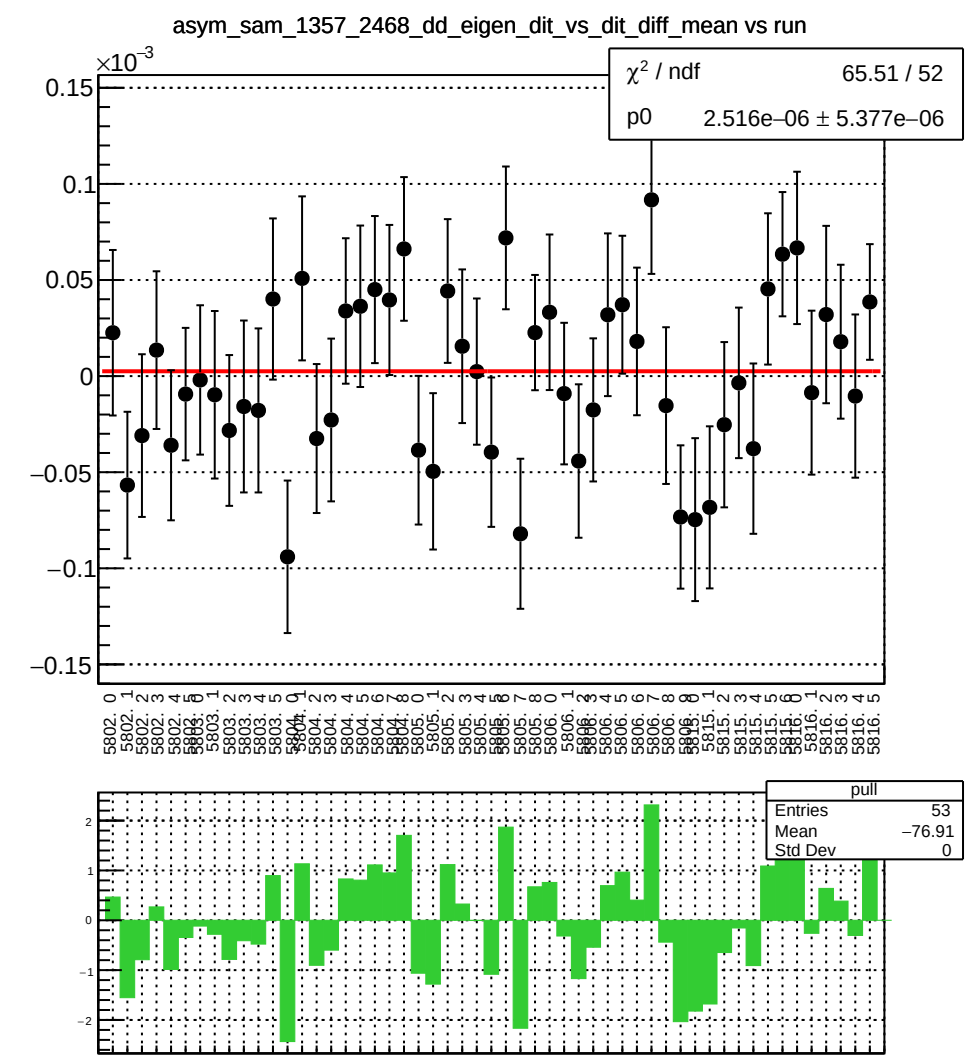

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 52
p0 0.002922 ± 0.03824
pull
Entries 53
Mean −67.42
Std Dev 0

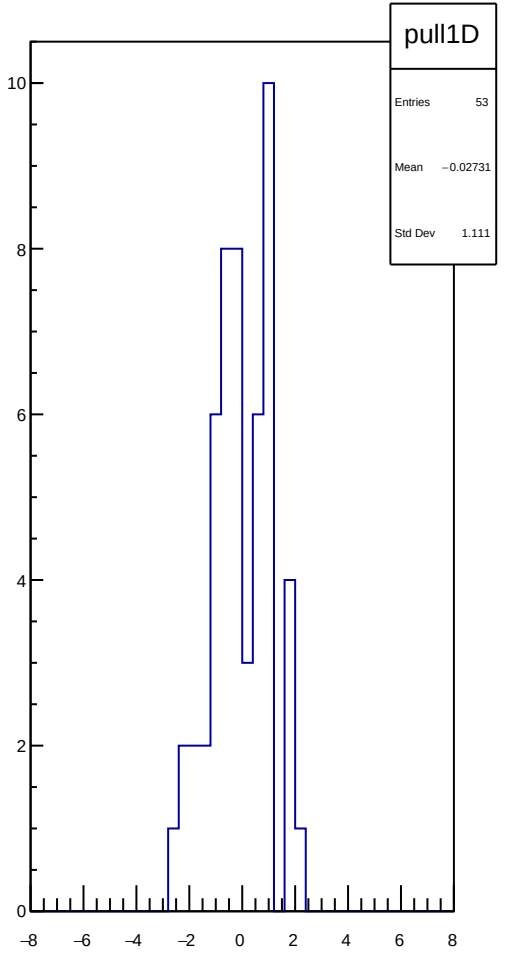

pull1D
Entries 53
Mean 0.02777
Std Dev 0.9631

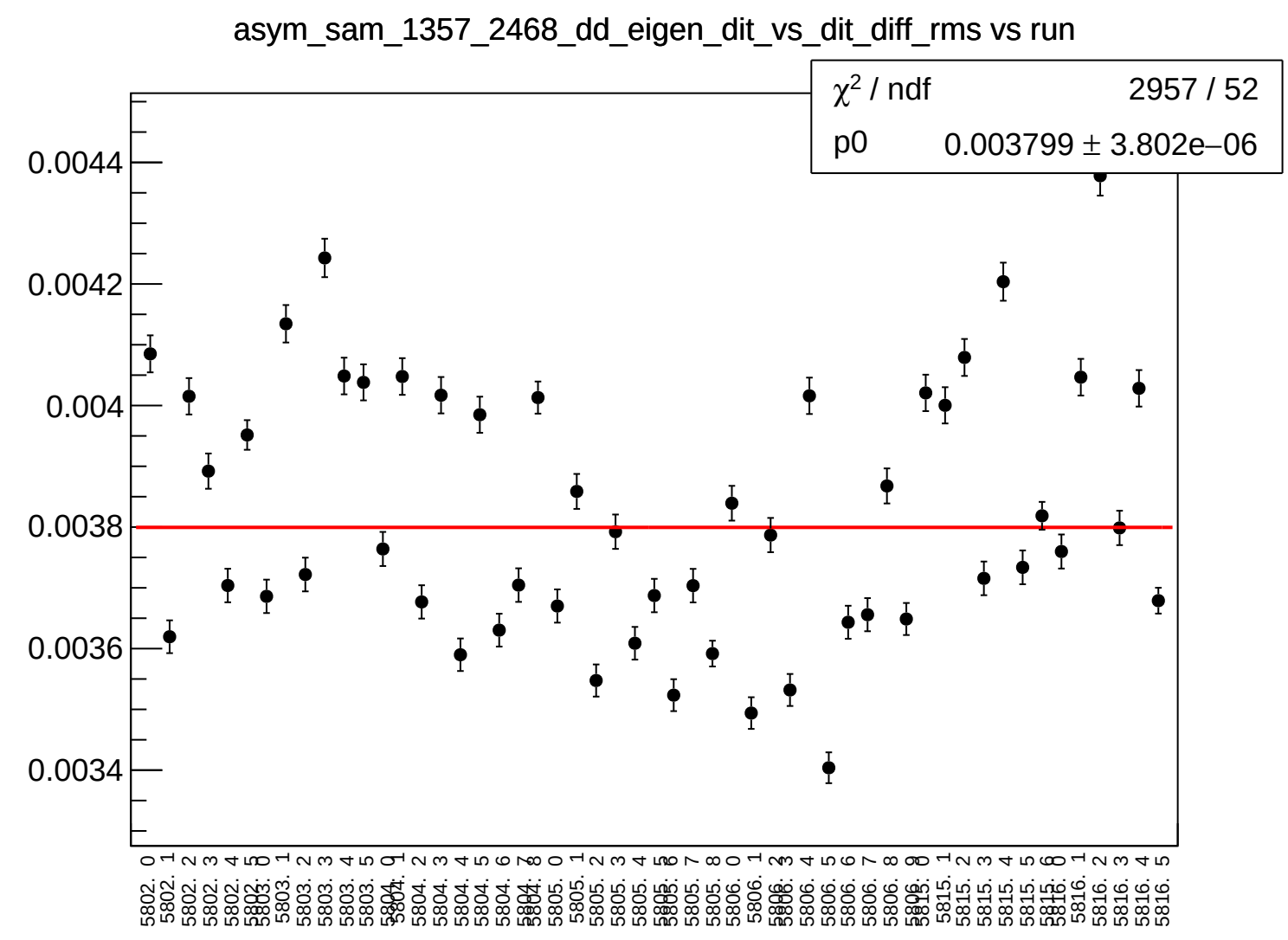

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.679e+04 / 52
p0 26.56 ± 0.02704
40
35
30
25
20
15

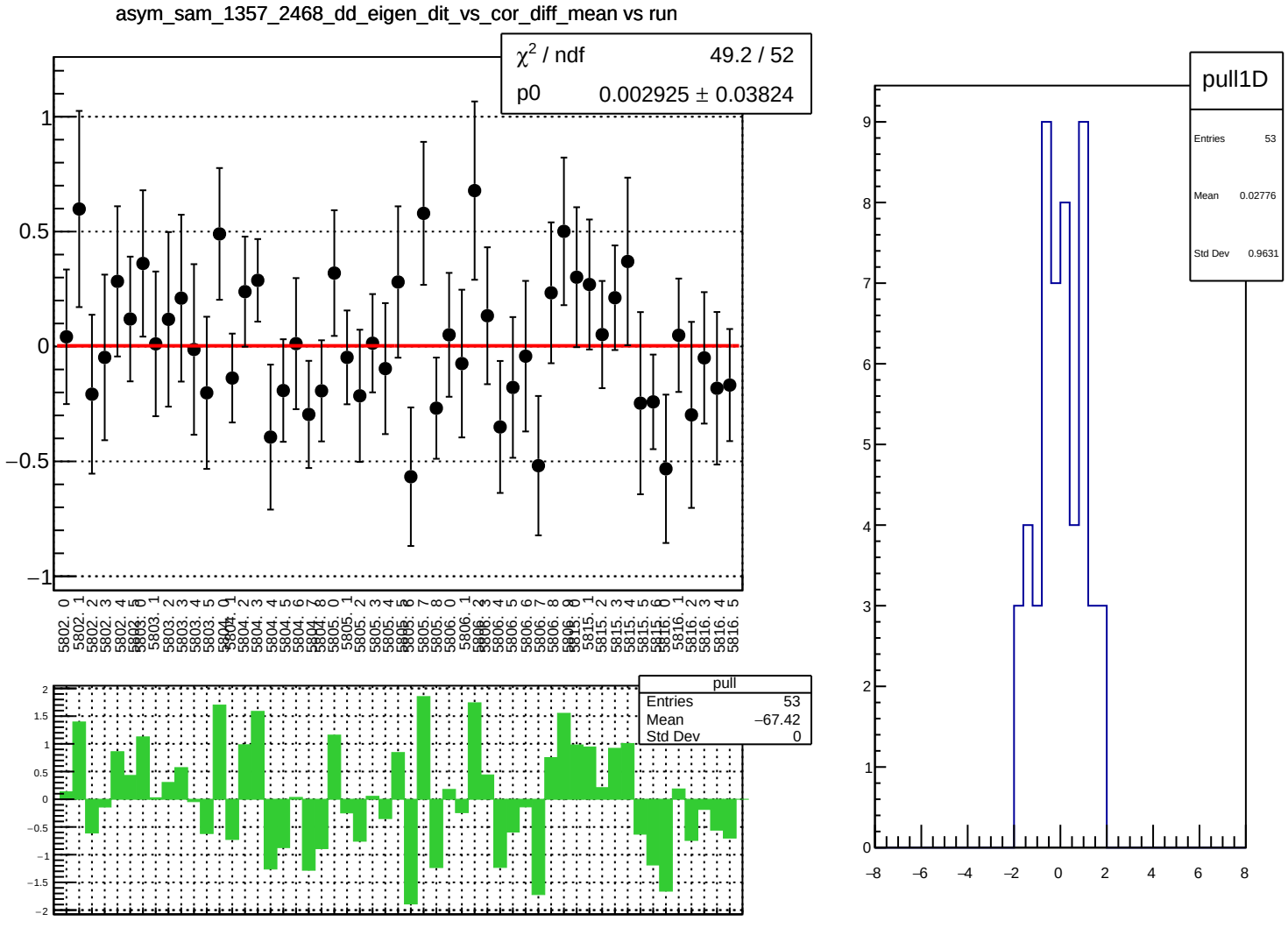

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.2 / 52
p0 0.002922 ± 0.03824
pull
Entries 53
Mean −67.42
Std Dev 0
pull1D
Entries 53
Mean 0.02777
Std Dev 0.9631

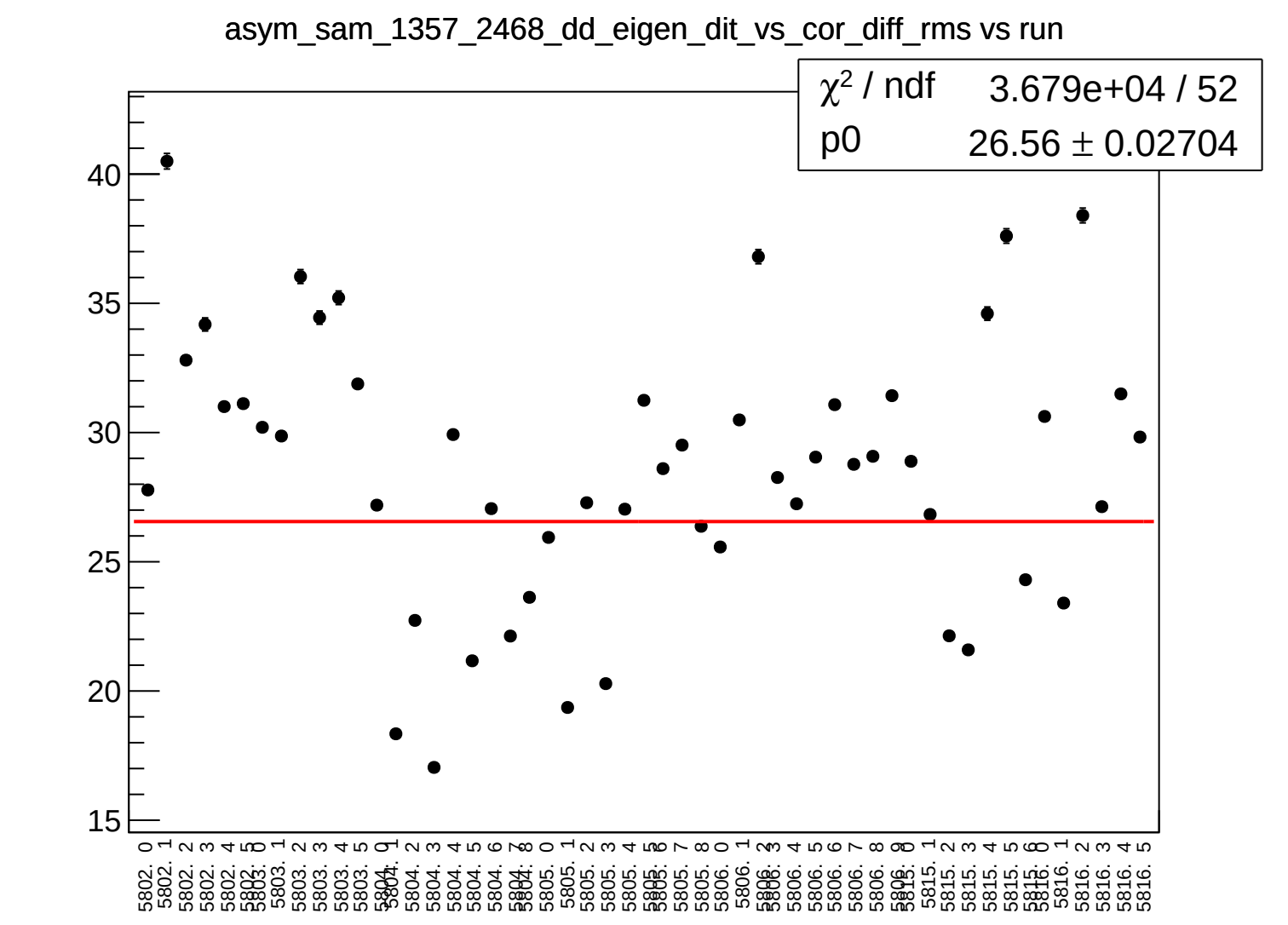

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.679e+04 / 52
p0 26.56 ± 0.02704
40
35
30
25
20
15

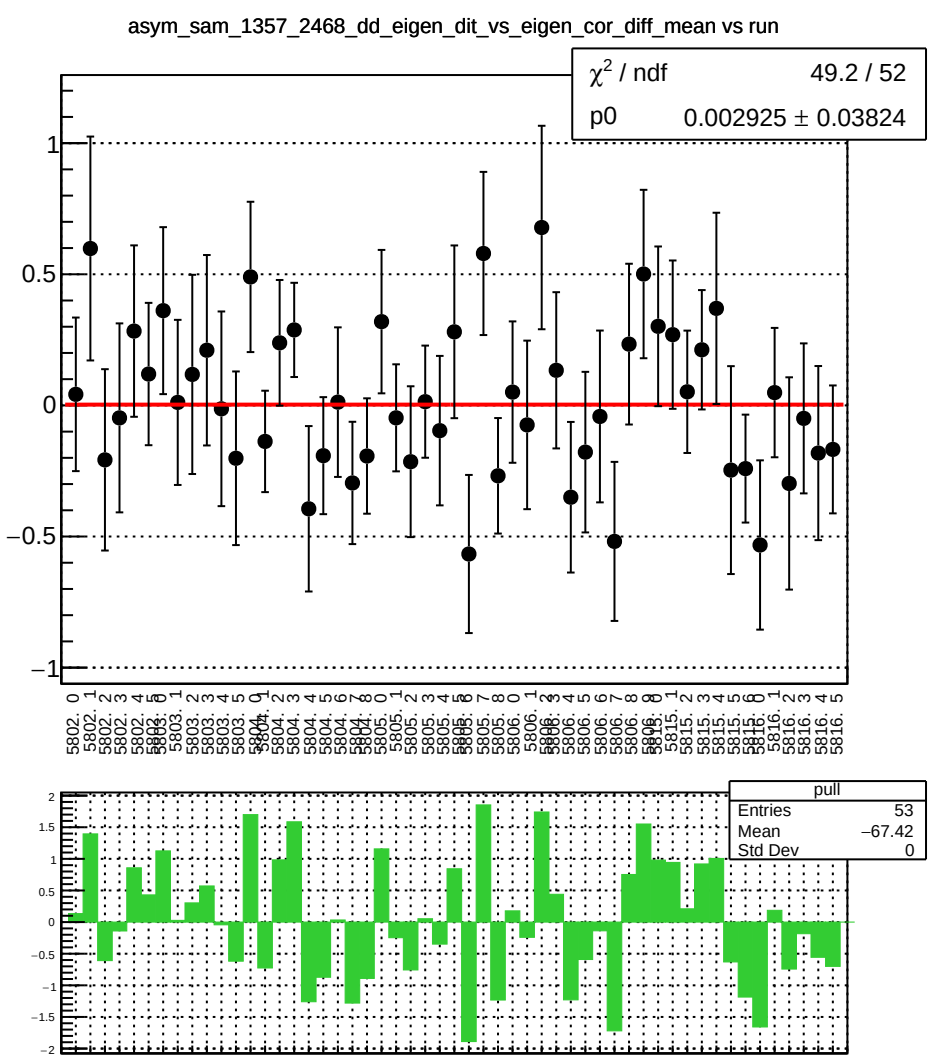

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.51 / 52
p0 2.516e−06 ± 5.377e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 53
Mean −76.91
Std Dev 0
2
1
0
−1
−2

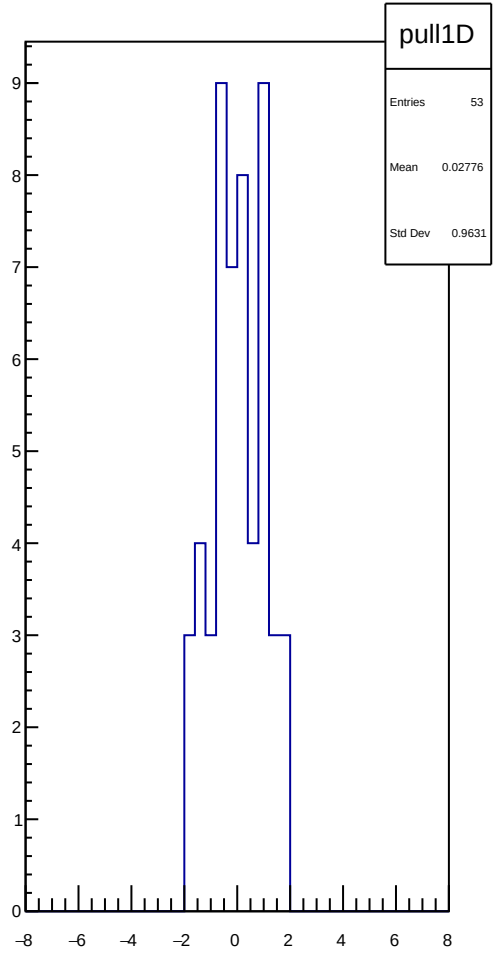

pull1D
Entries 53
Mean −0.02731
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

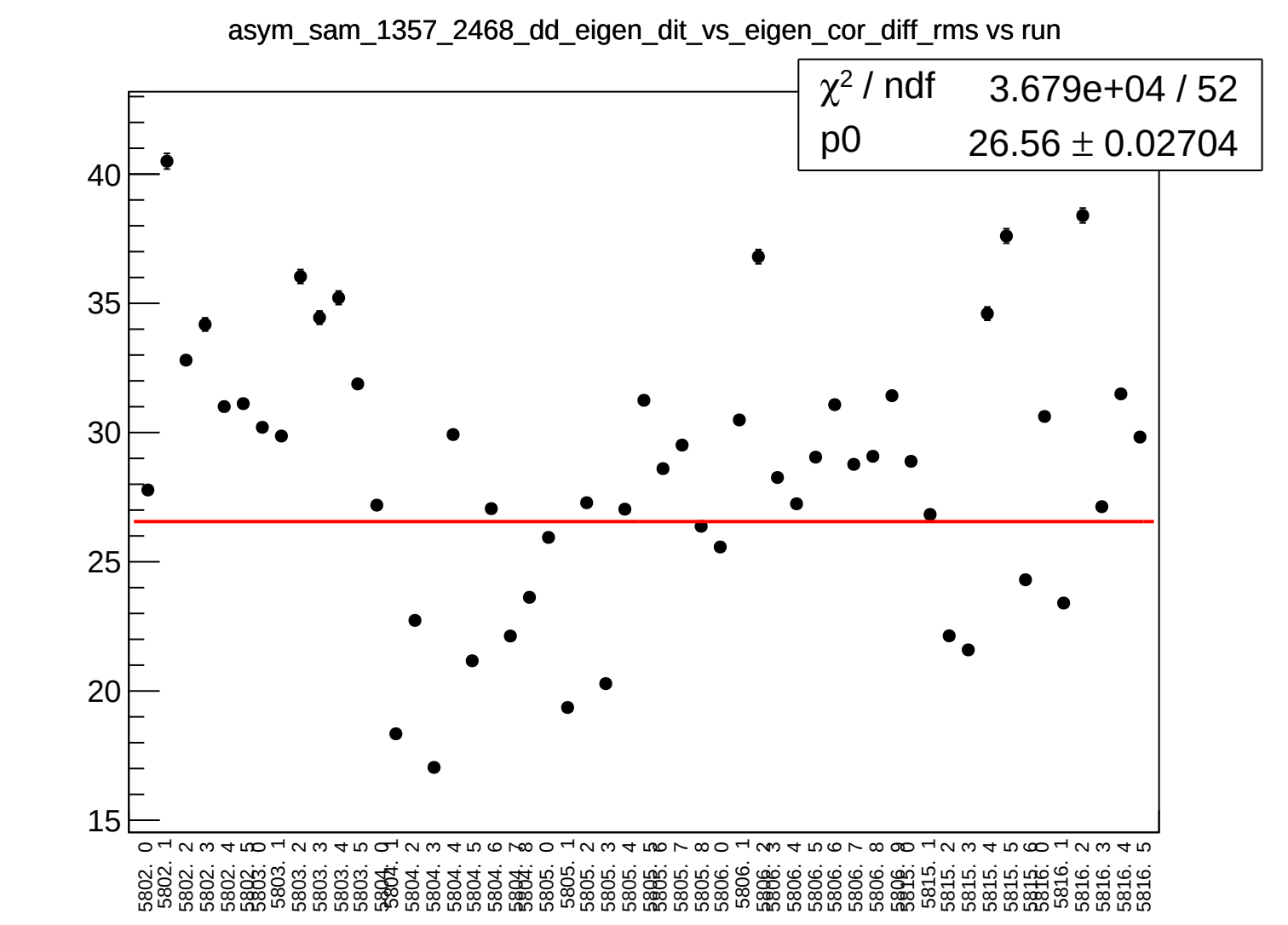

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2957 / 52
p0 0.003799 ± 3.802e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

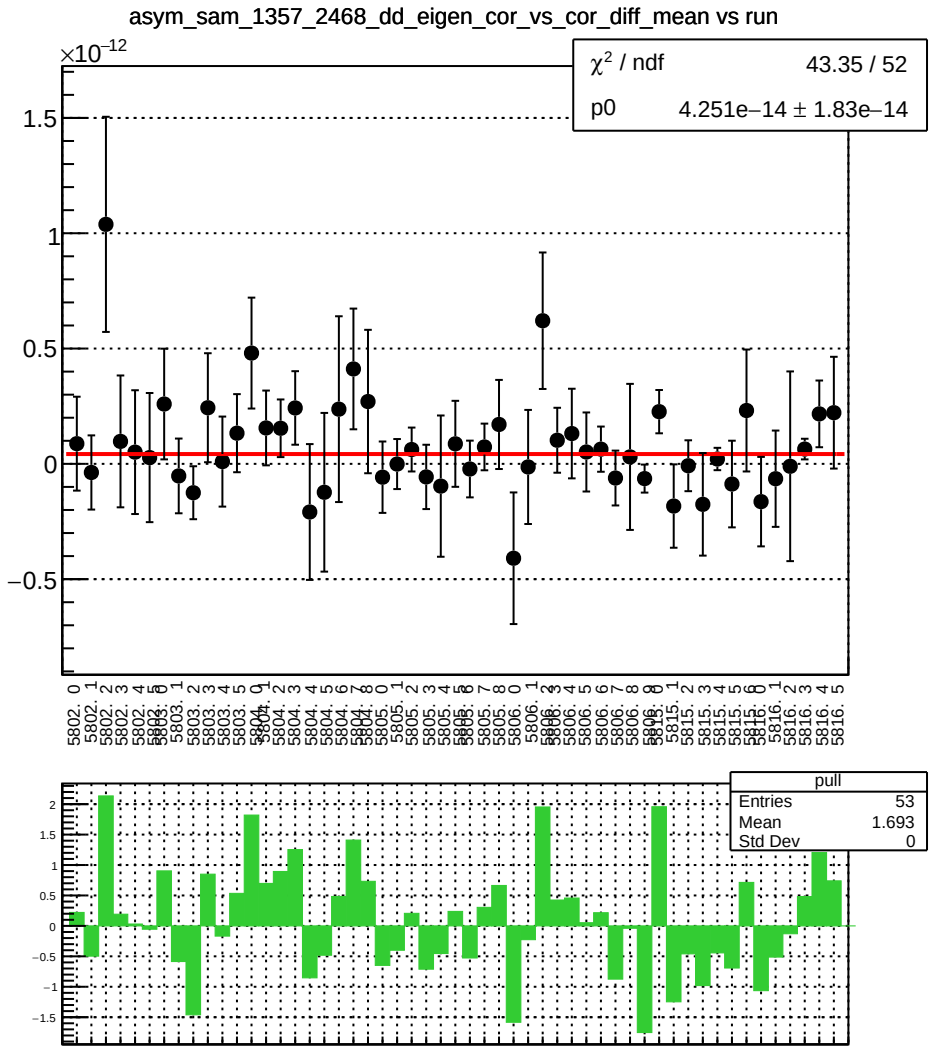

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 52
p0 0.002925 ± 0.03824
pull
Entries 53
Mean −67.42
Std Dev 0
pull1D
Entries 53
Mean 0.02776
Std Dev 0.9631

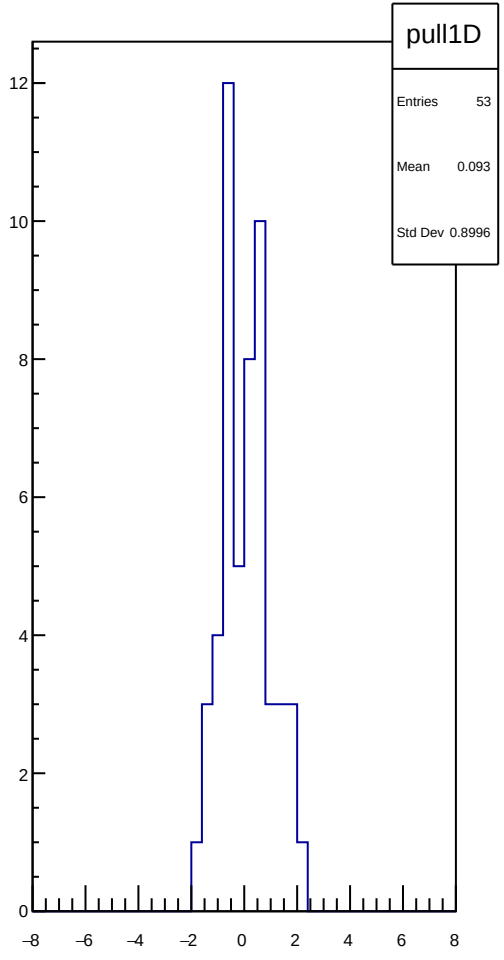

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.679e+04 / 52
p0 26.56 ± 0.02704
40
35
30
25
20
15

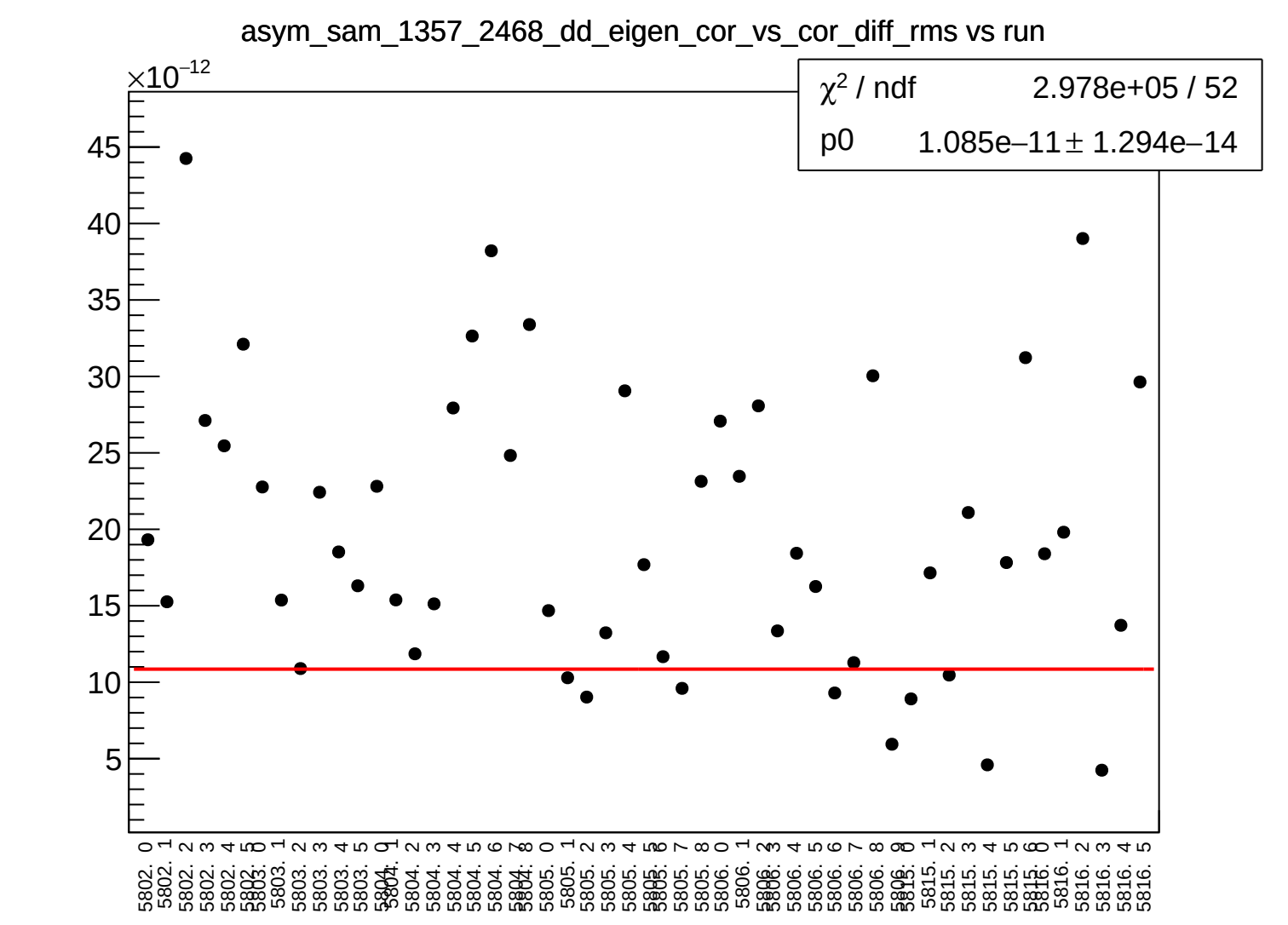

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.2 / 52
p0 0.002925 ± 0.03824
pull
Entries 53
Mean −67.42
Std Dev 0

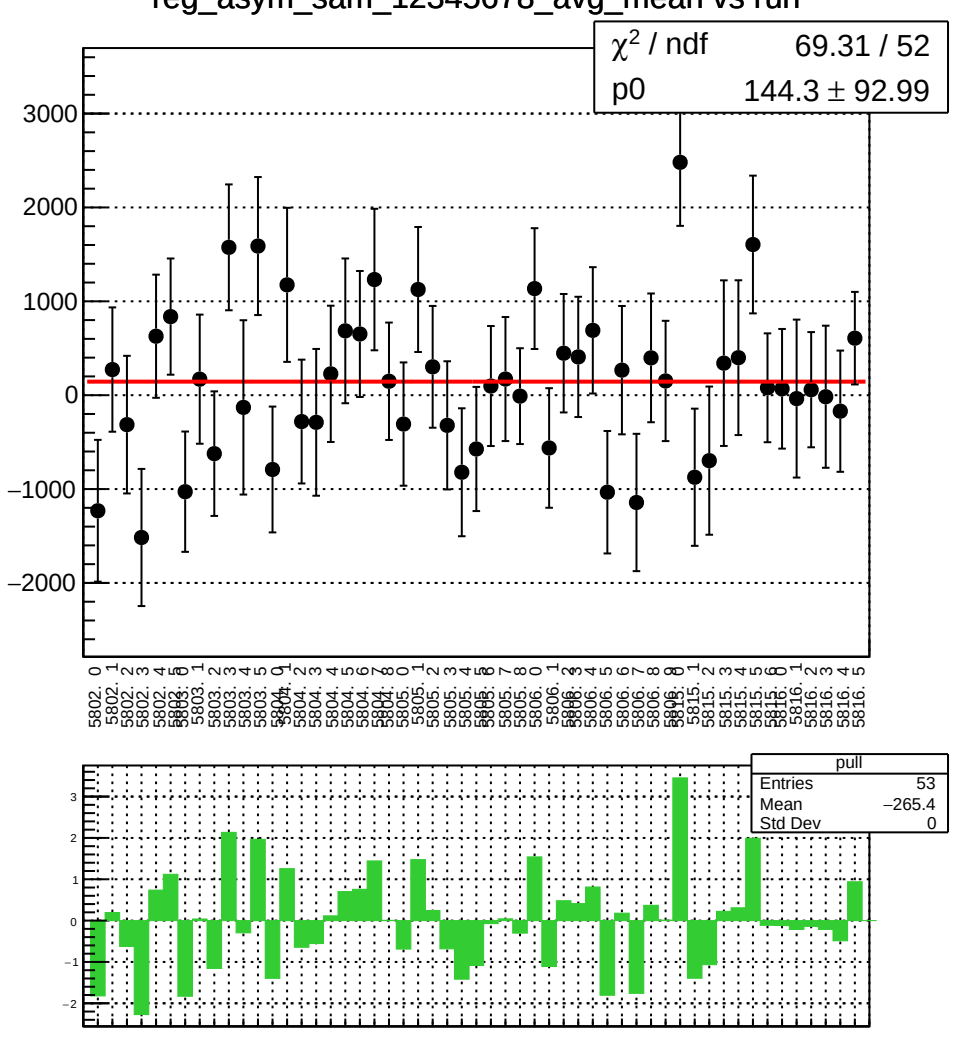

pull1D
Entries 53
Mean 0.02776
Std Dev 0.9631

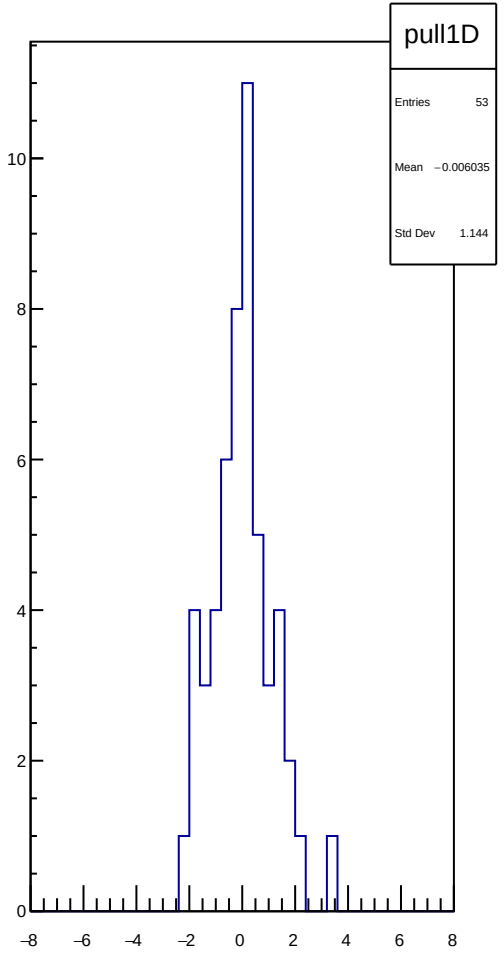

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.679e+04 / 52
p0 26.56 ± 0.02704
40
35
30
25
20
15

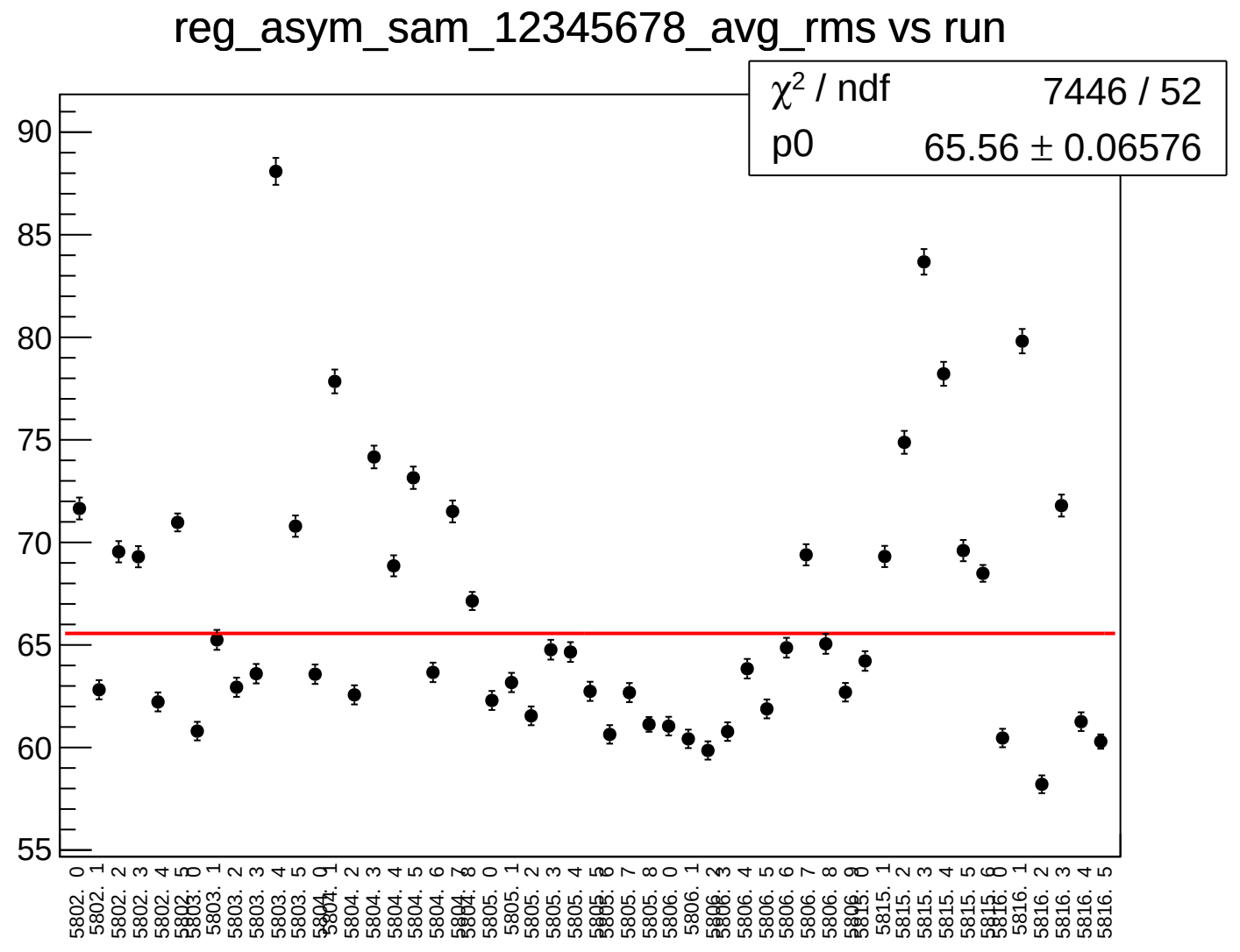

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.35 / 52
p0 4.251e−14 ± 1.83e−14
1.5
1
0.5
0
−0.5
pull
Entries 53
Mean 1.693
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

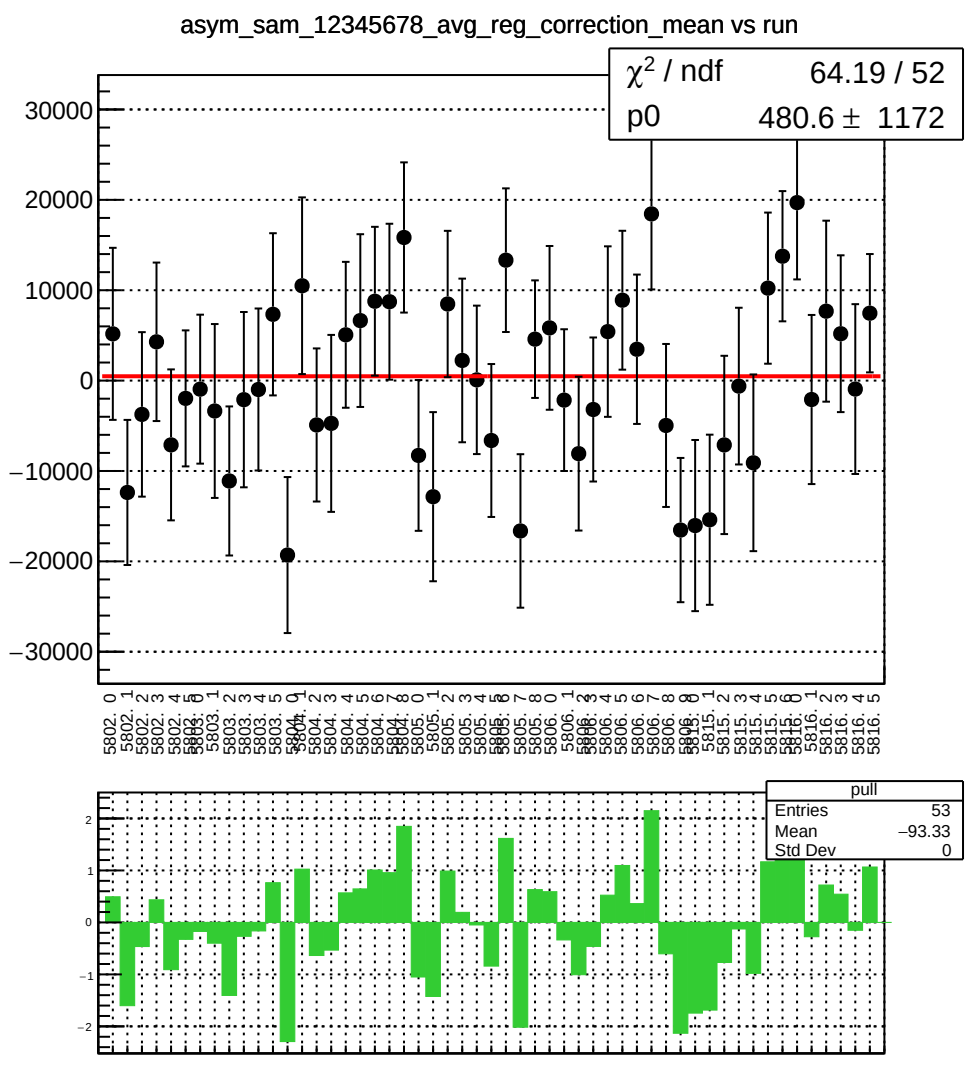

pull1D
Entries 53
Mean 0.093
Std Dev 0.8996
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

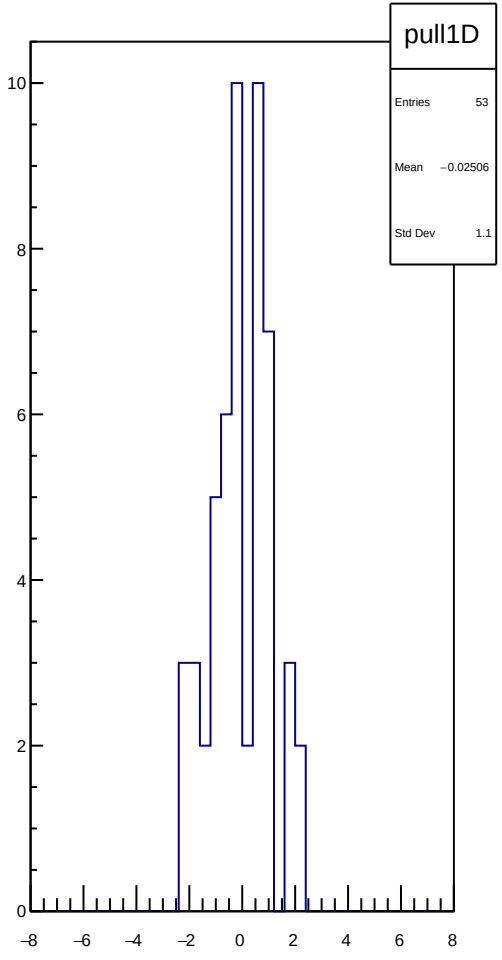

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.978e+05 / 52
p0 1.085e−11 ± 1.294e−14
45
40
35
30
25
20
15
10
5

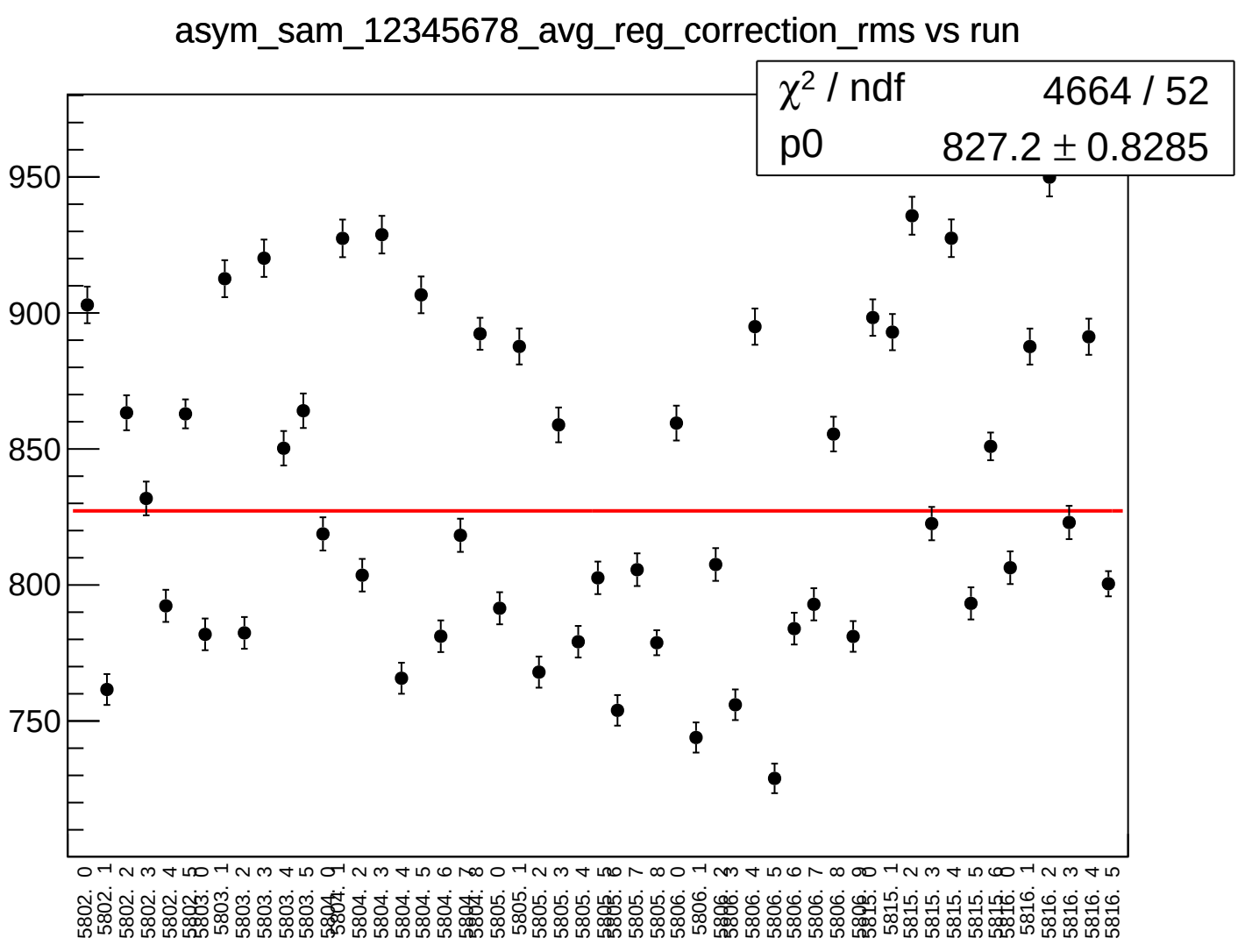

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.31 / 52
p0 144.3 ± 92.99
pull
Entries 53
Mean −265.4
Std Dev 0

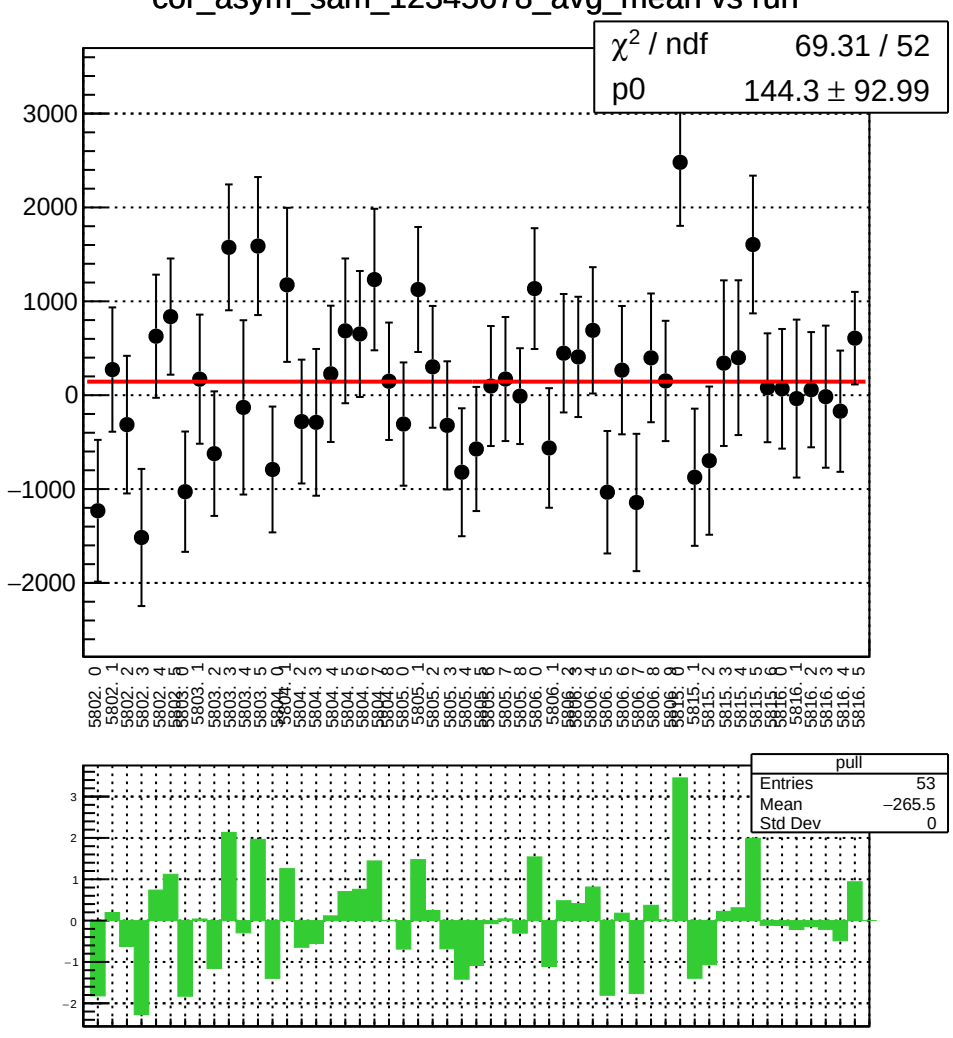

pull1D
Entries 53
Mean −0.006035
Std Dev 1.144

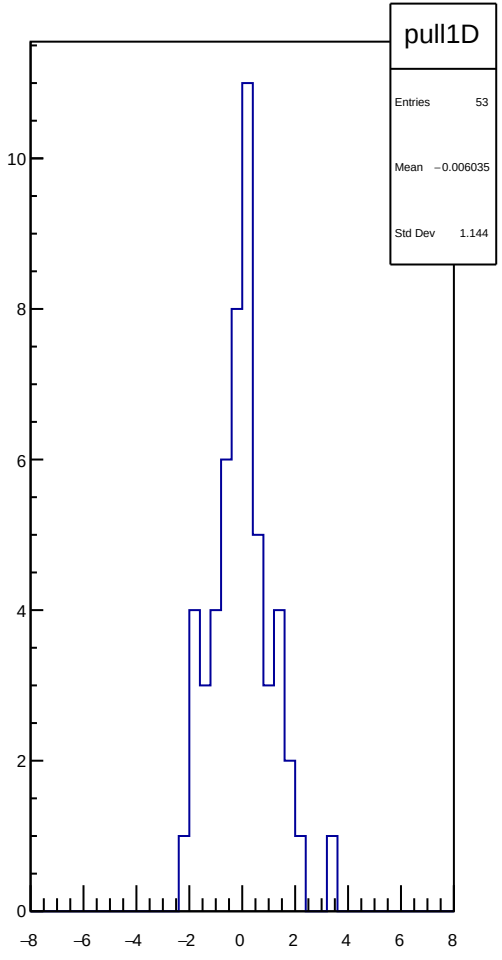

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 7446 / 52
p0 65.56 ± 0.06576
90
85
80
75
70
65
60
55

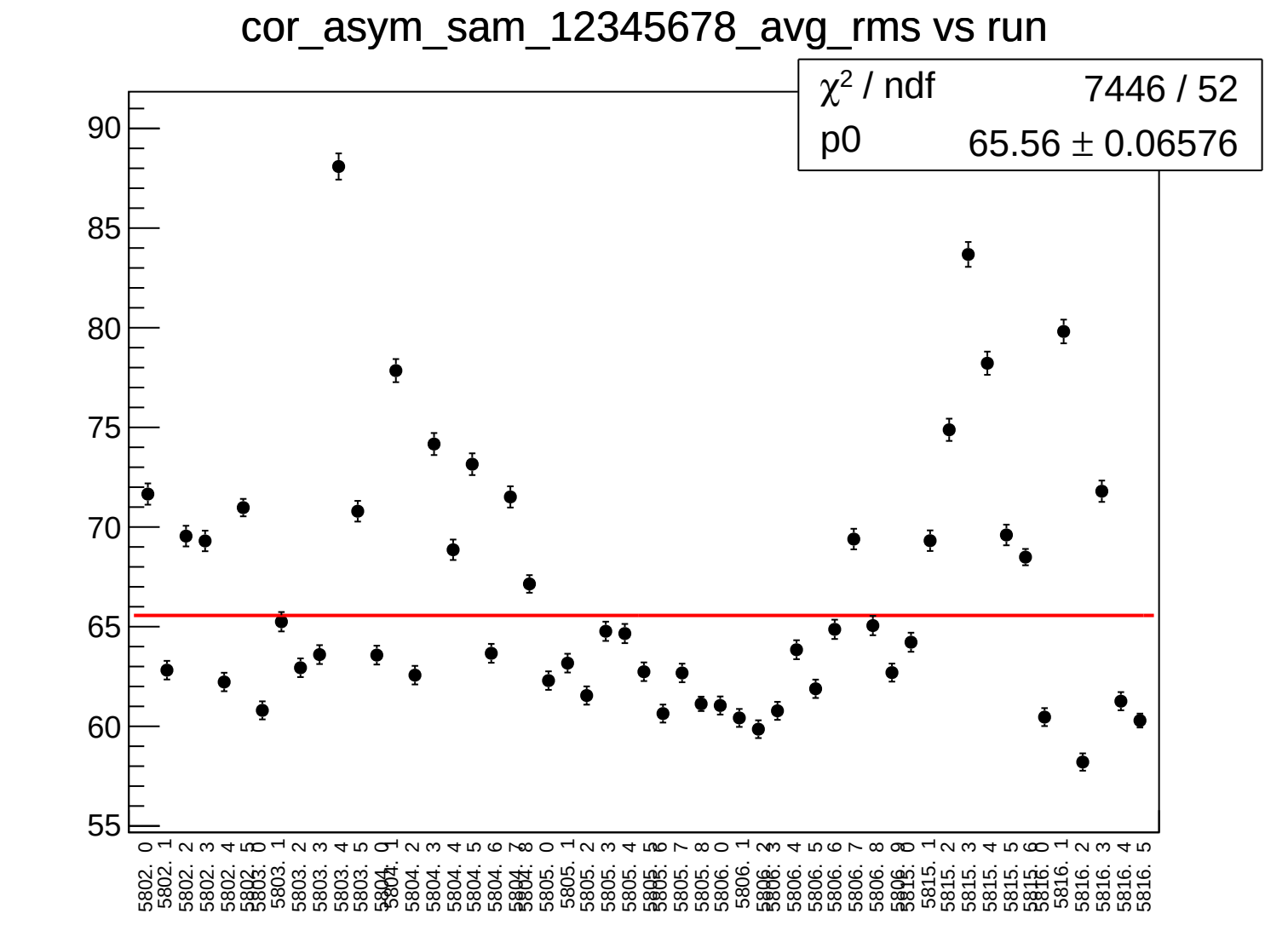

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 64.19 / 52
p0 480.6 ± 1172
pull
Entries 53
Mean −93.33
Std Dev 0

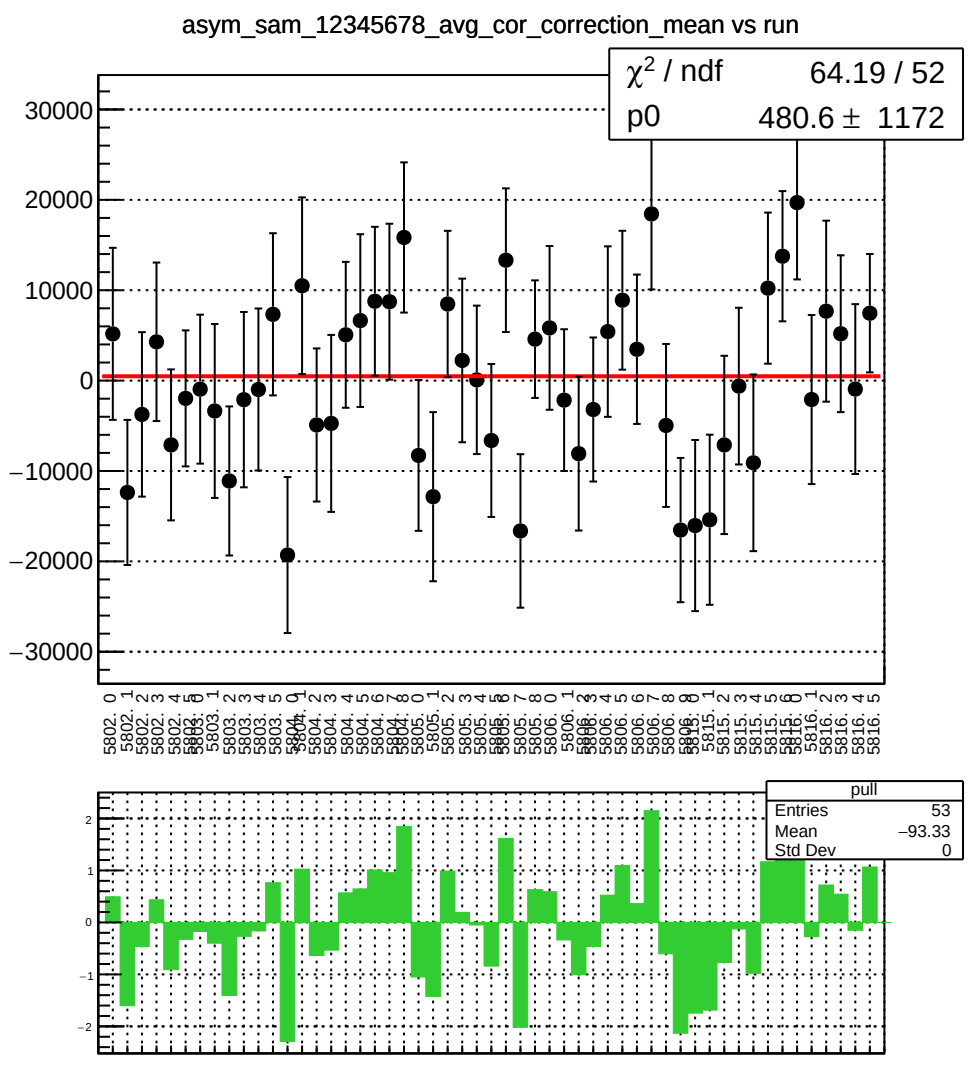

pull1D
Entries 53
Mean −0.02506
Std Dev 1.1

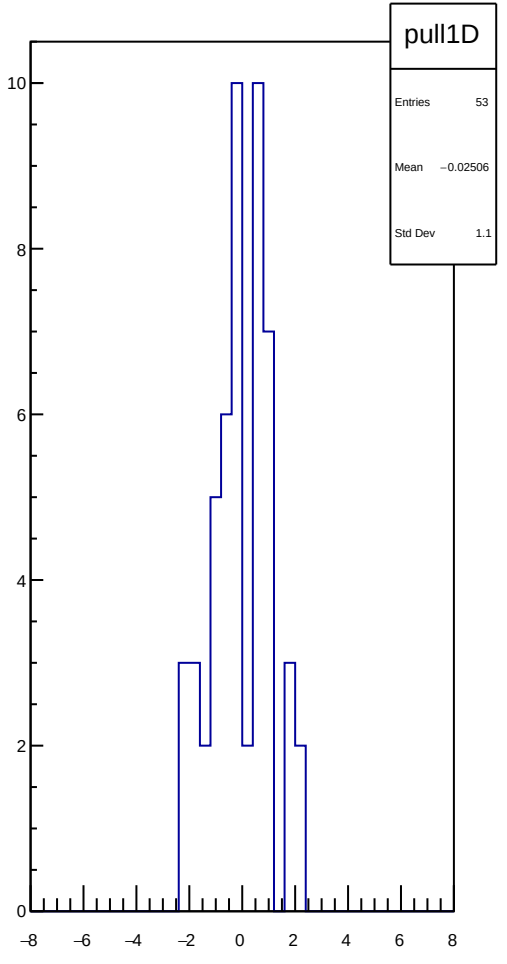

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 4664 / 52
p0 827.2 ± 0.8285
950
900
850
800
750

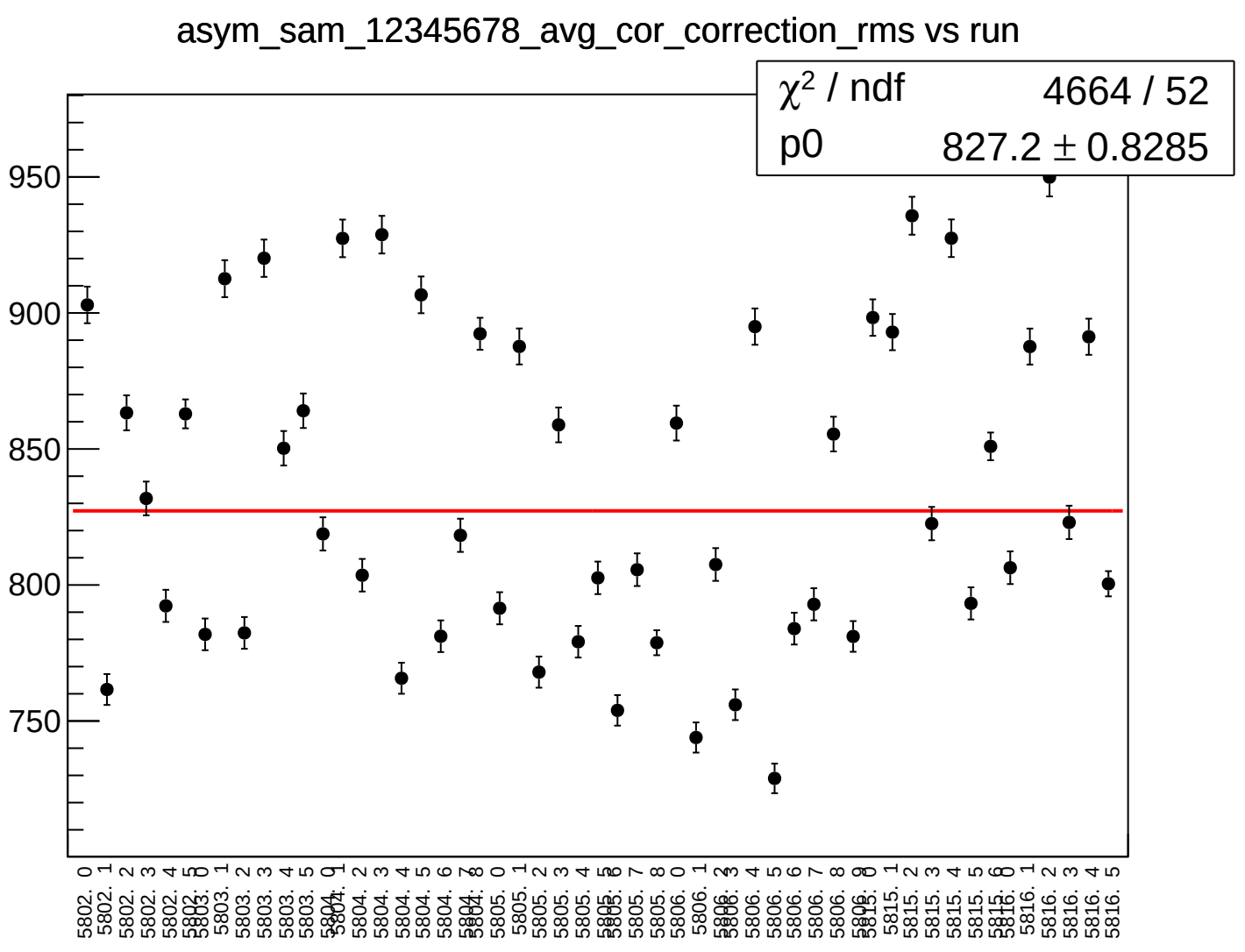

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.31 / 52
p0 144.3 ± 92.99
pull
Entries 53
Mean −265.5
Std Dev 0

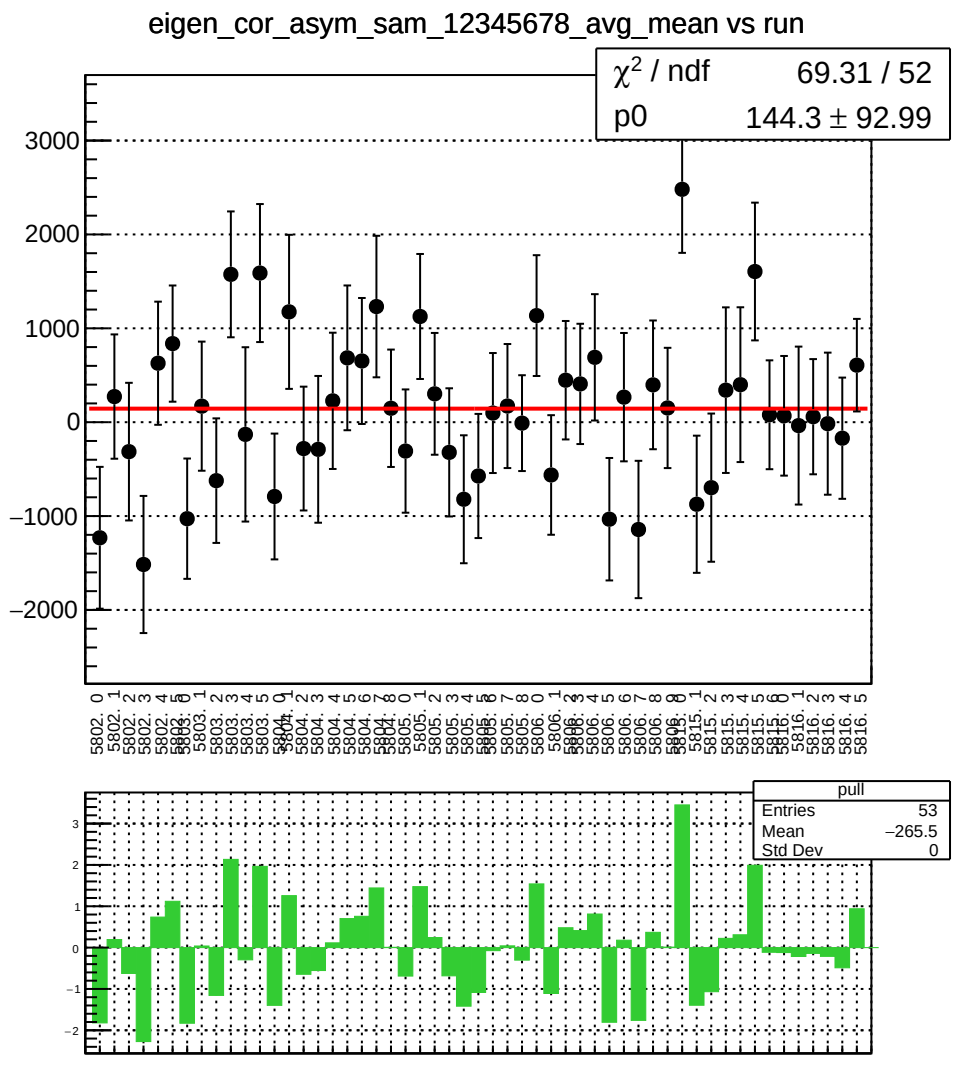

pull1D
Entries 53
Mean −0.006035
Std Dev 1.144

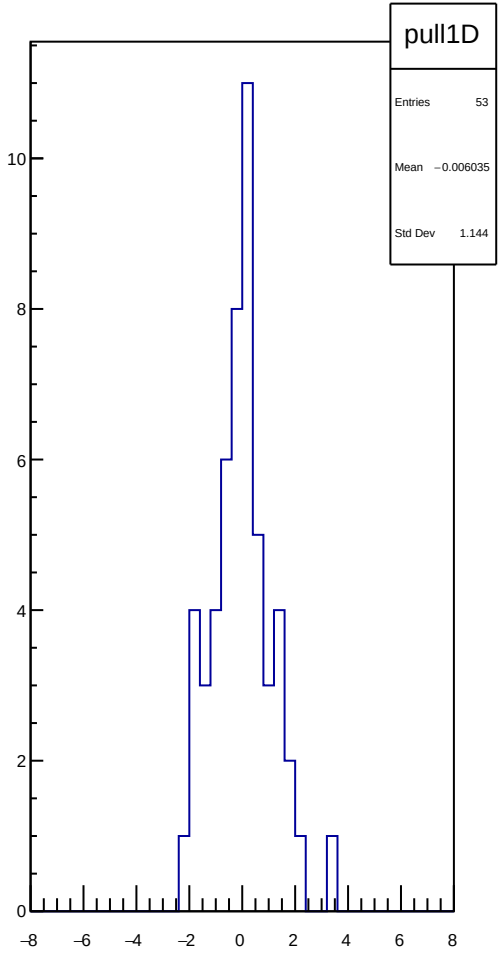

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 7446 / 52
p0 65.56 ± 0.06576
90
85
80
75
70
65
60
55

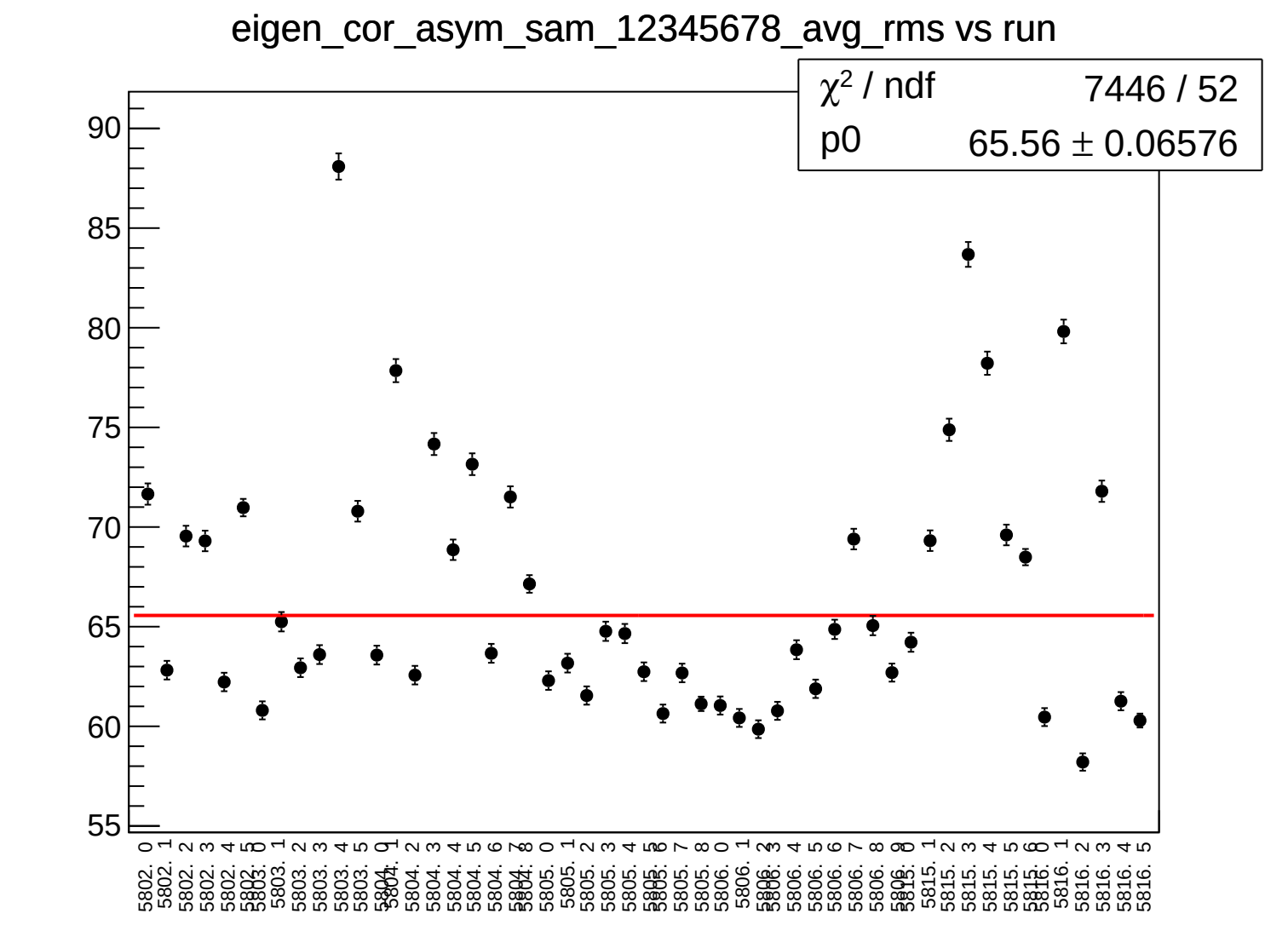

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 64.19 / 52
p0 480.6 ± 1172
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −93.33
Std Dev 0
2
1
0
−1
−2

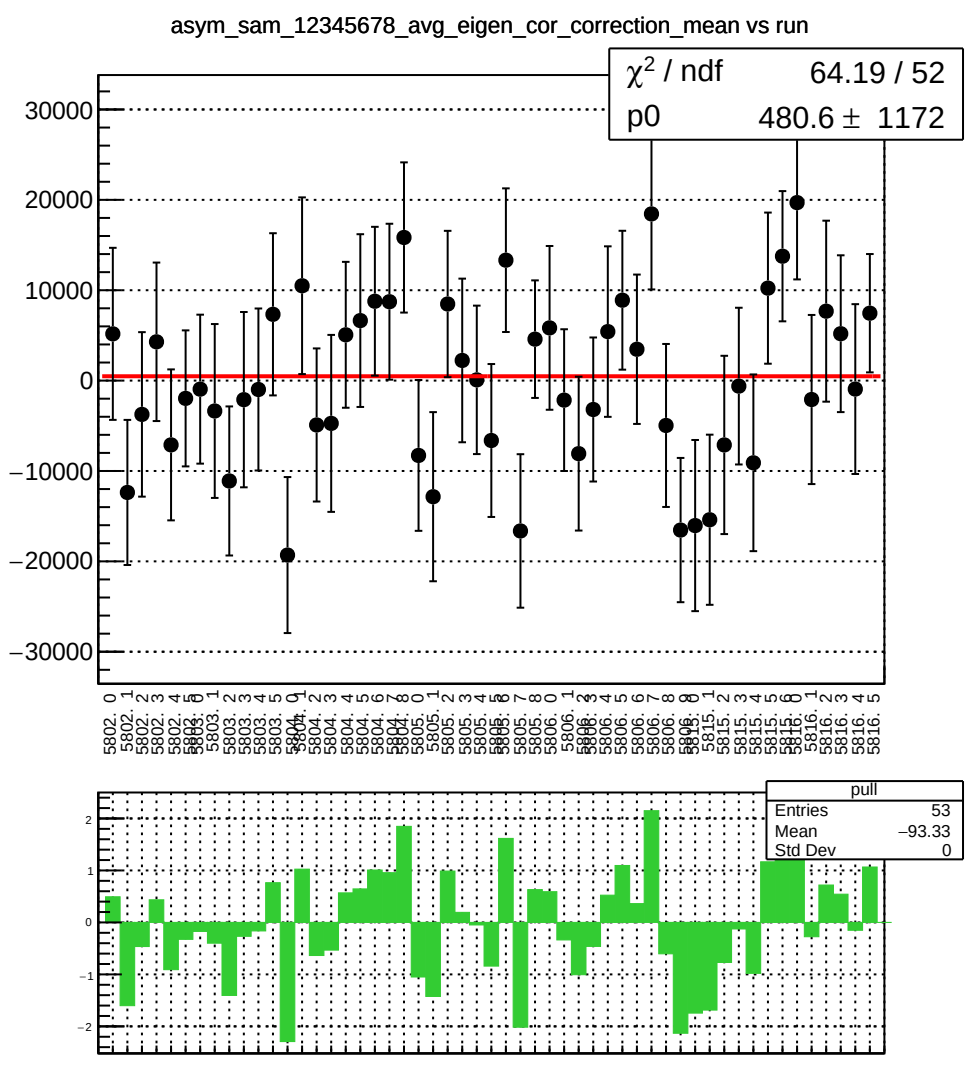

pull1D
Entries 53
Mean −0.02506
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

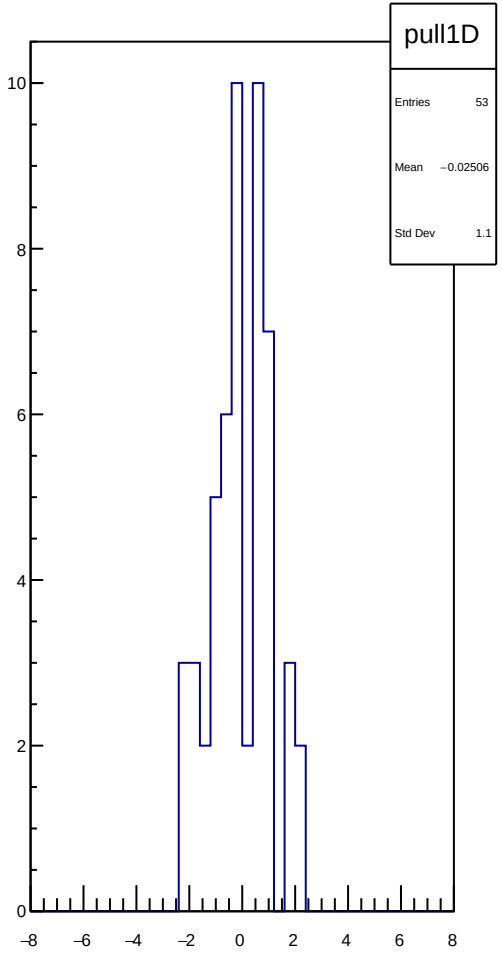

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 4664 / 52
p0 827.2 ± 0.8285
950
900
850
800
750

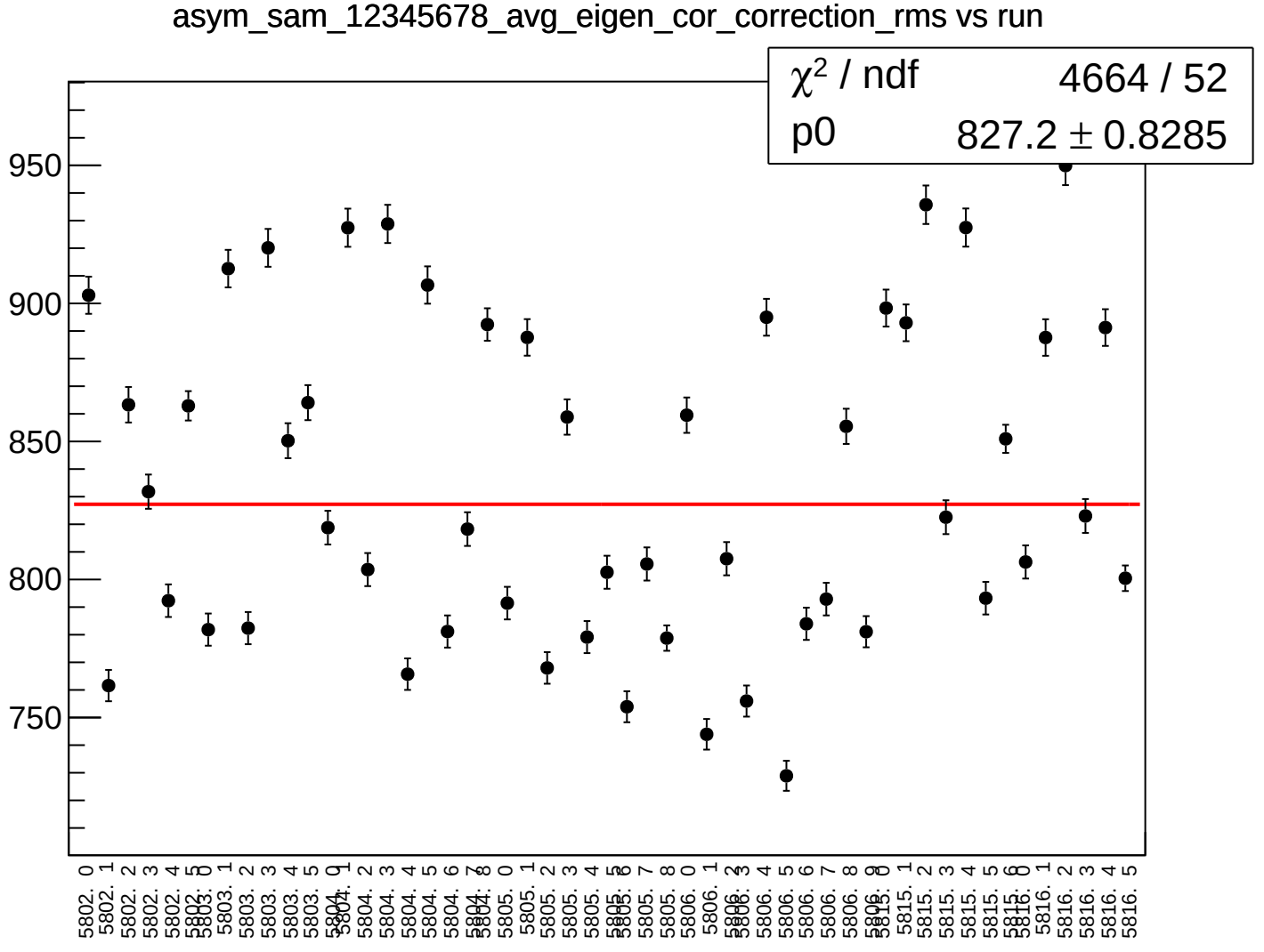

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 69.31 / 52
p0 144.3 ± 92.99
pull
Entries 53
Mean −265.5
Std Dev 0

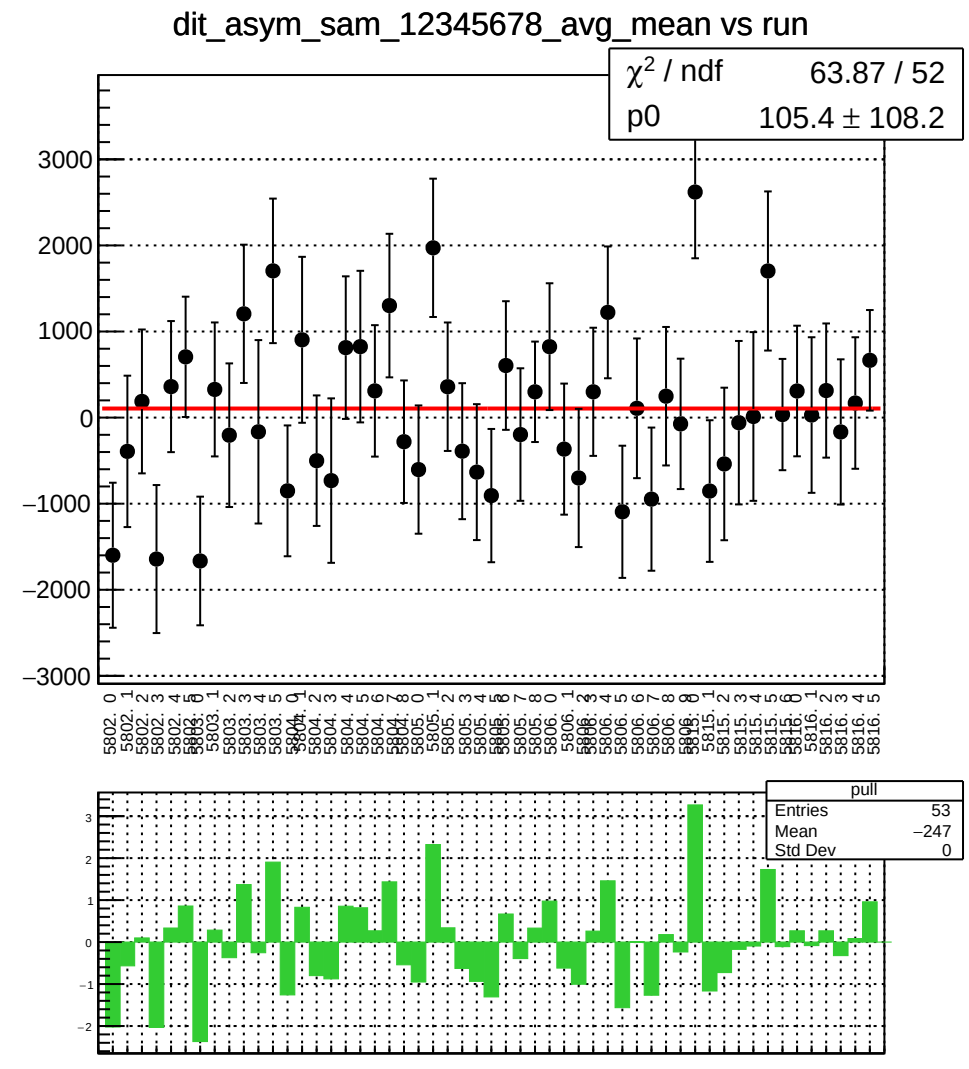

pull1D
Entries 53
Mean −0.006035
Std Dev 1.144

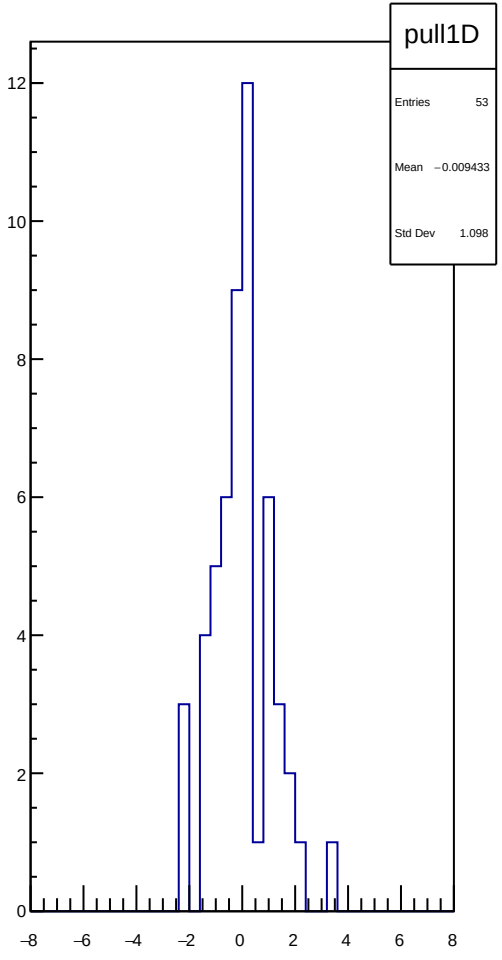

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 7446 / 52
p0 65.56 ± 0.06576
90
85
80
75
70
65
60
55

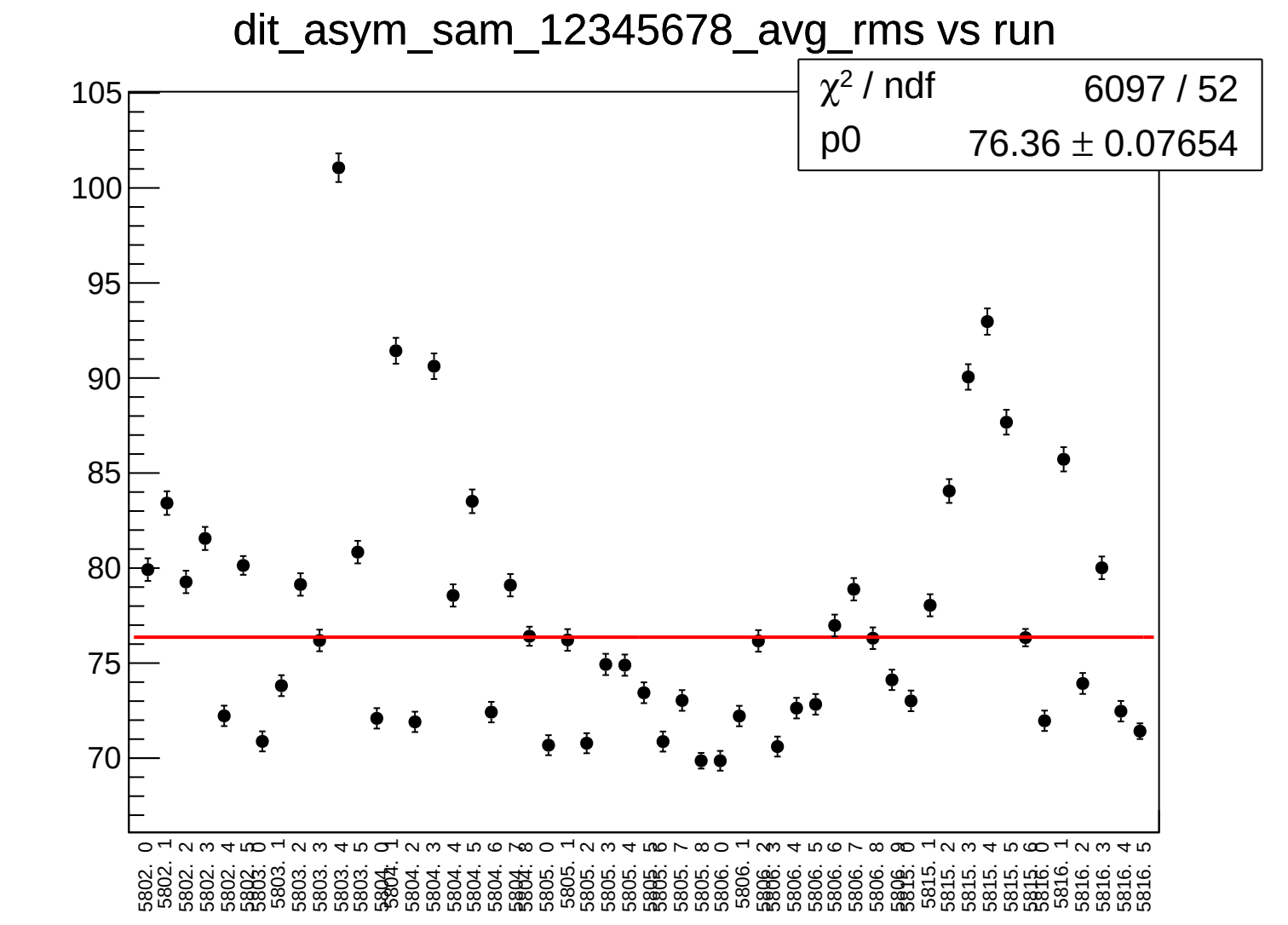

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.19 / 52
p0 480.6 ± 1172
pull
Entries 53
Mean −93.33
Std Dev 0

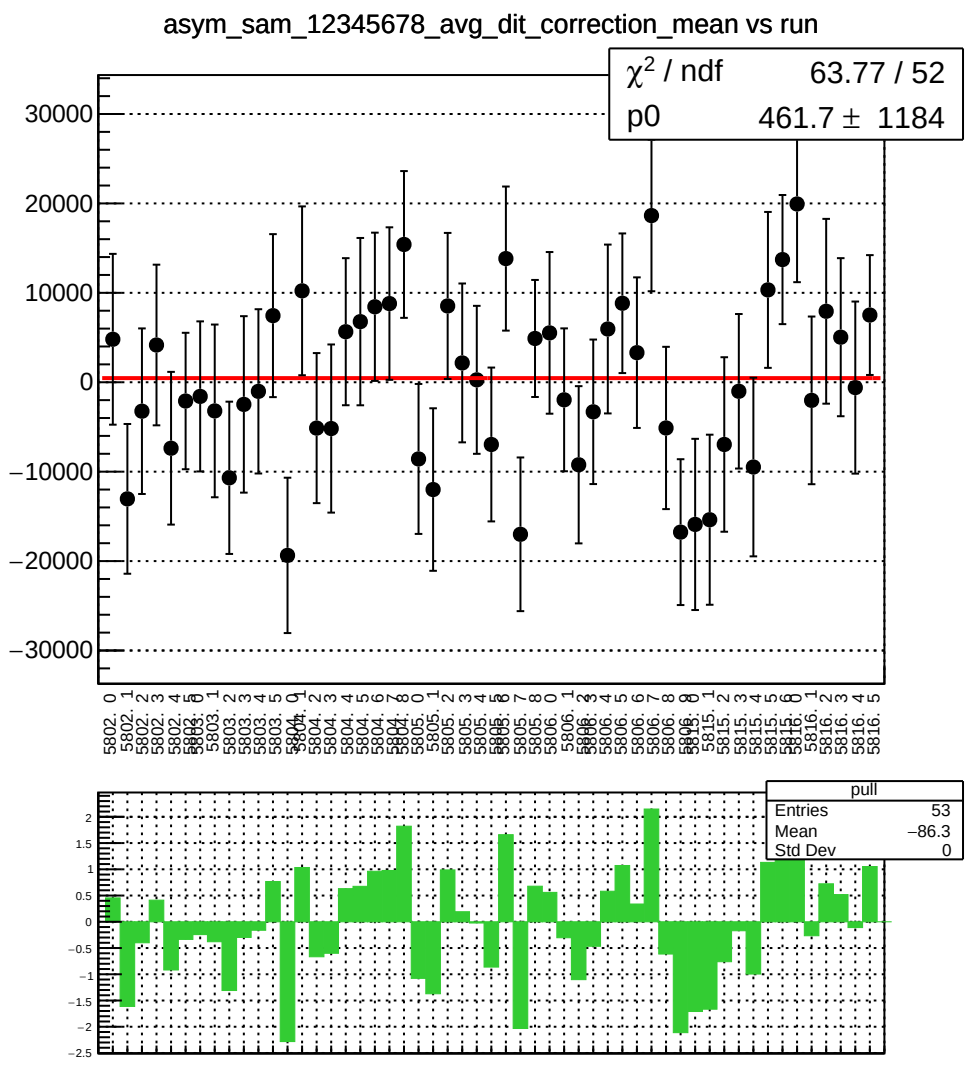

pull1D
Entries 53
Mean −0.02506
Std Dev 1.1

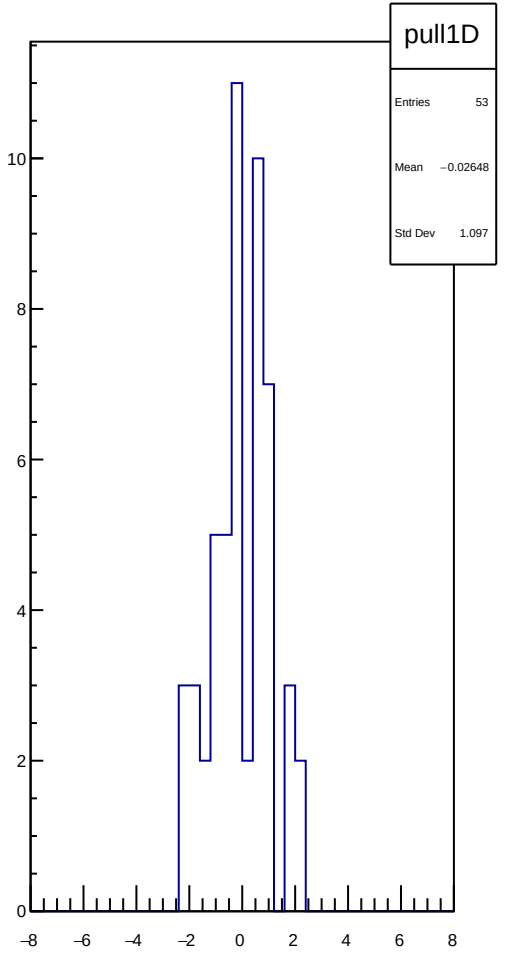

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 4664 / 52
p0 827.2 ± 0.8285
950
900
850
800
750

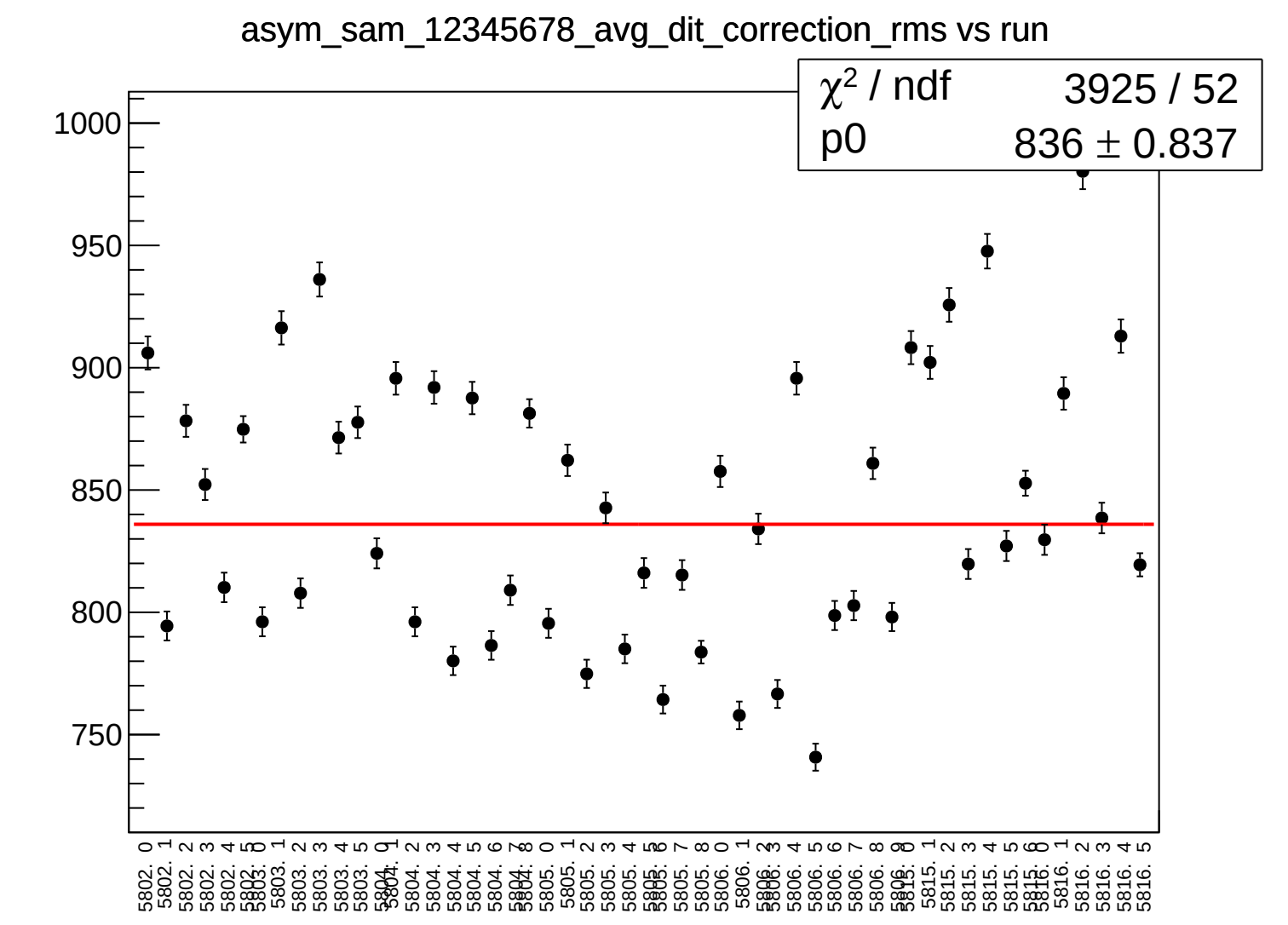

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.87 / 52
p0 105.4 ± 108.2
pull
Entries 53
Mean −247
Std Dev 0

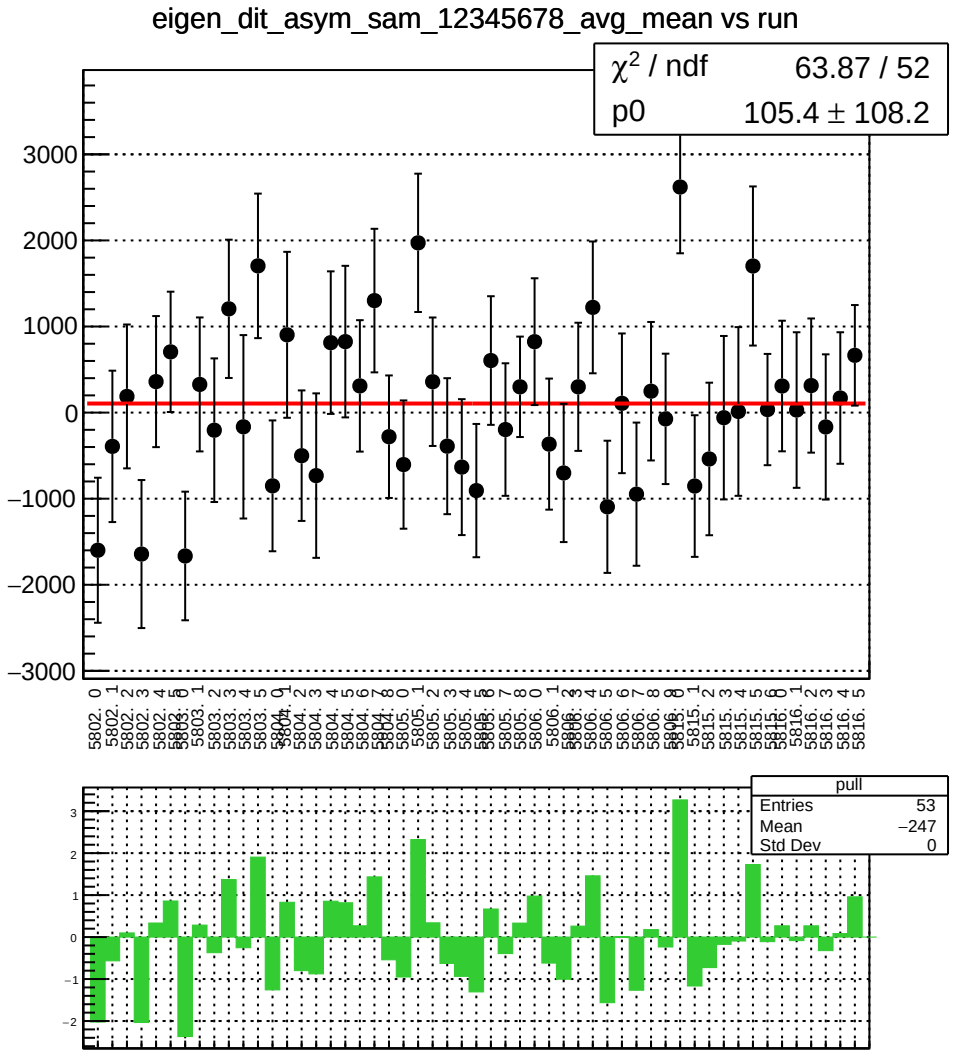

pull1D
Entries 53
Mean −0.009433
Std Dev 1.098

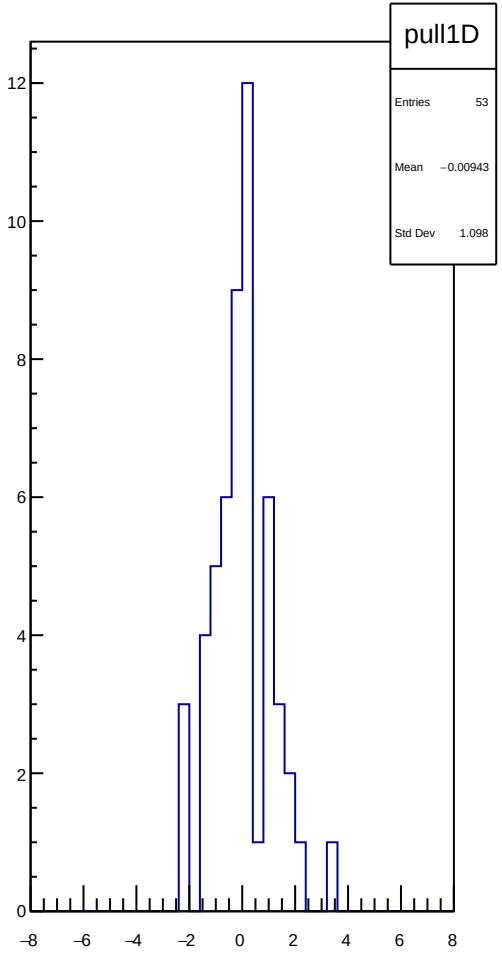

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6097 / 52
p0 76.36 ± 0.07654
105
100
95
90
85
80
75
70

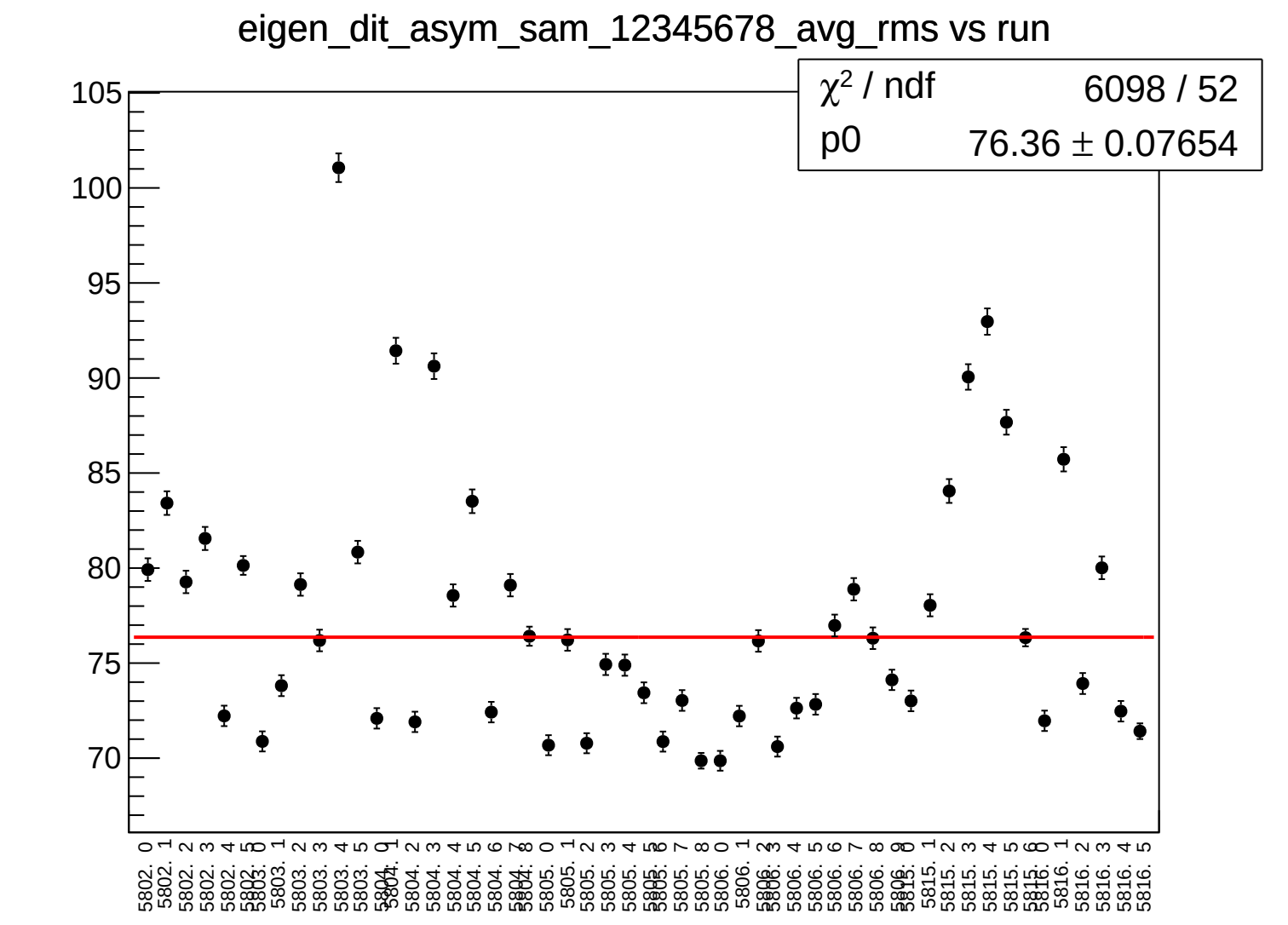

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 63.77 / 52
p0 461.7 ± 1184
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −86.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

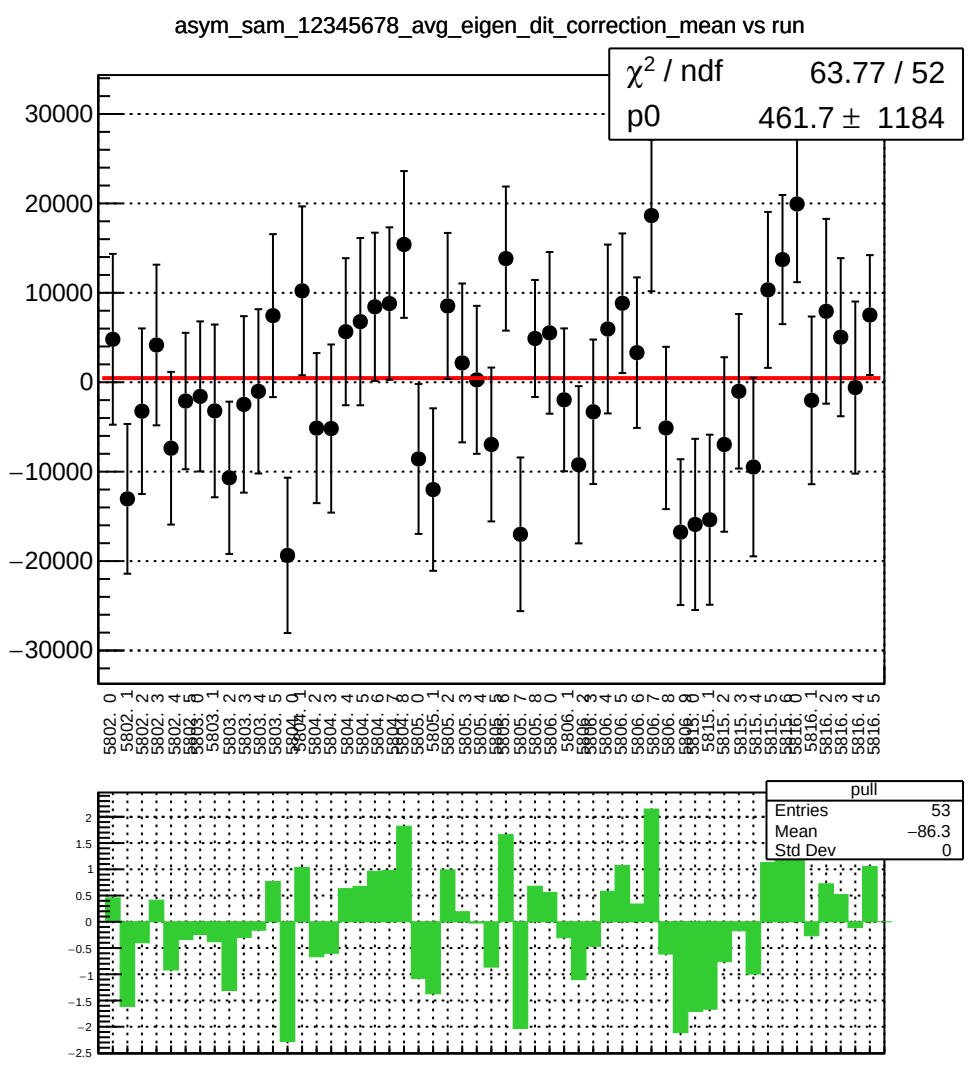

pull1D
Entries 53
Mean −0.02648
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

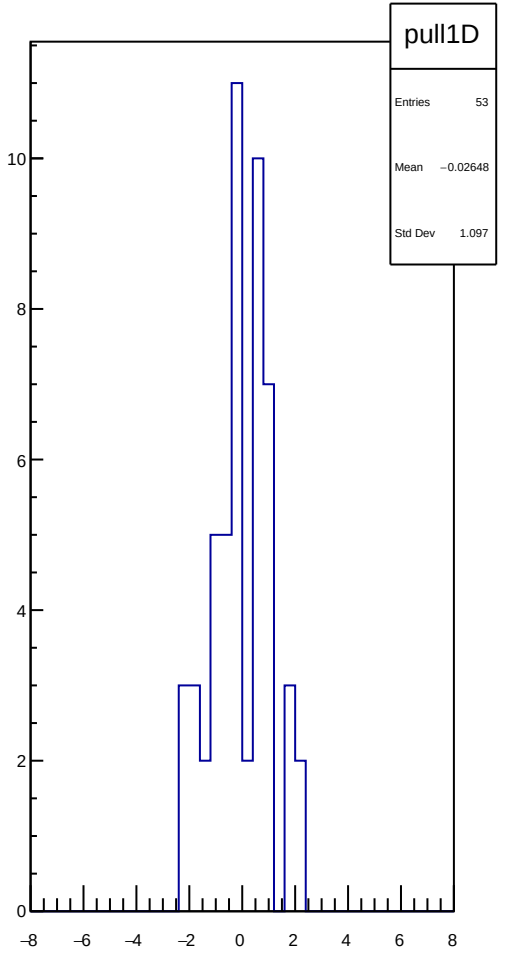

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 3925 / 52
p0 836 ± 0.837
1000
950
900
850
800
750

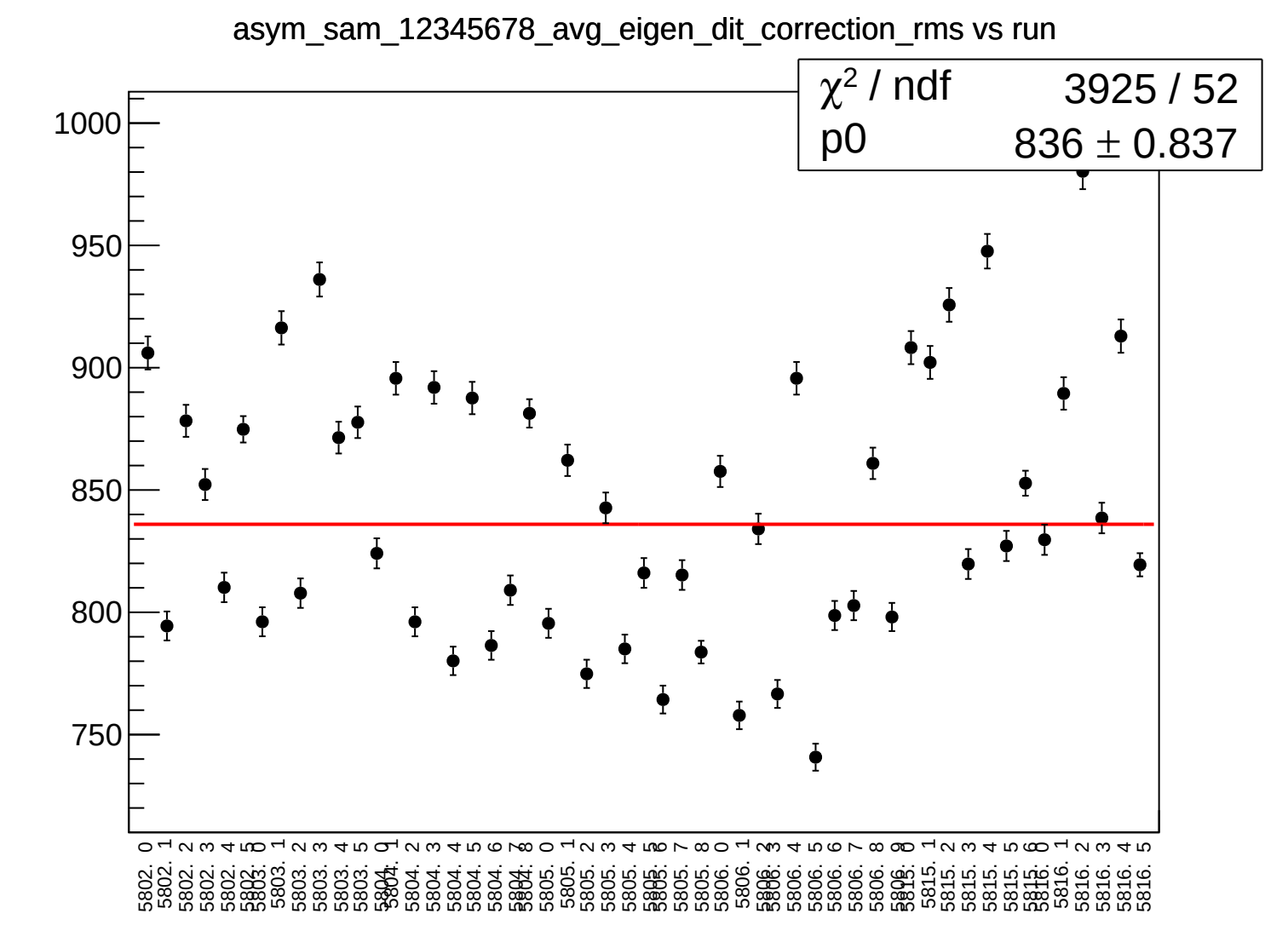

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.87 / 52
p0 105.4 ± 108.2
pull
Entries 53
Mean −247
Std Dev 0

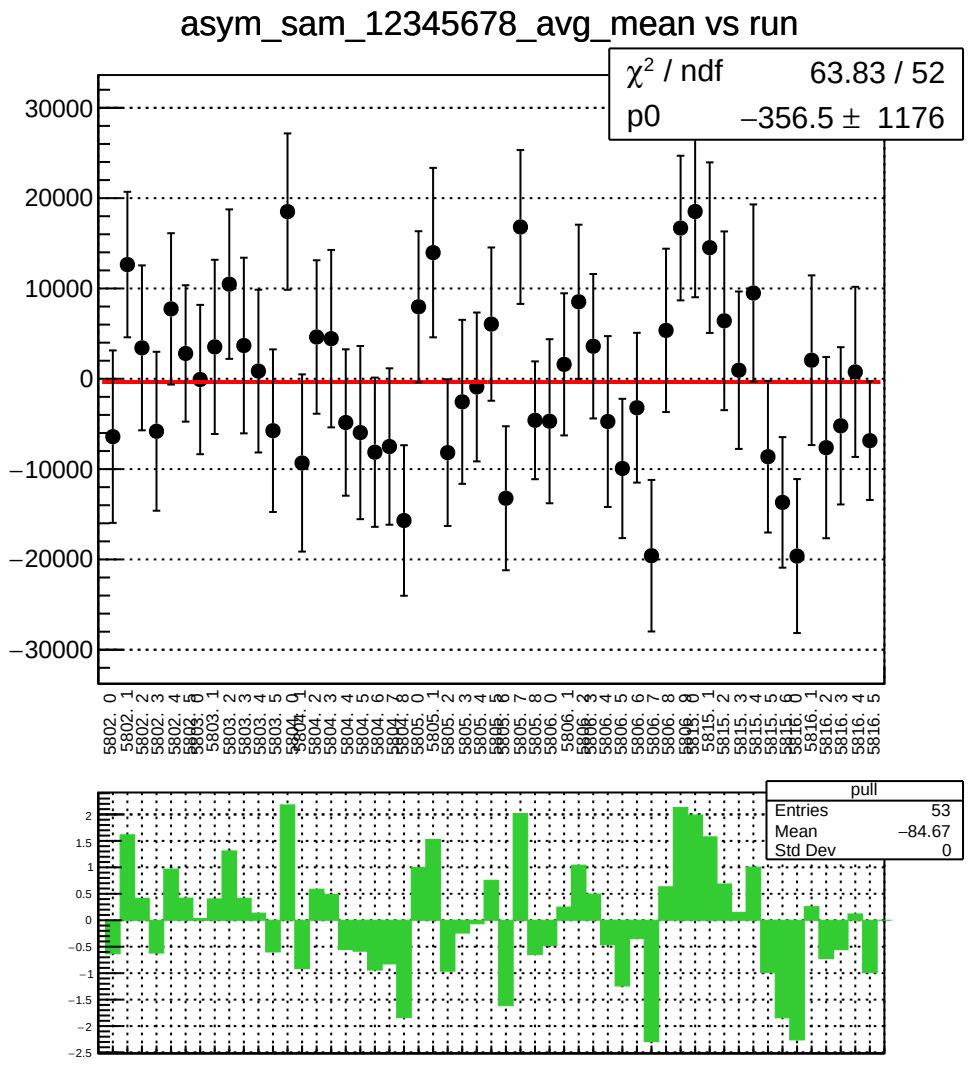

pull1D
Entries 53
Mean −0.00943
Std Dev 1.098

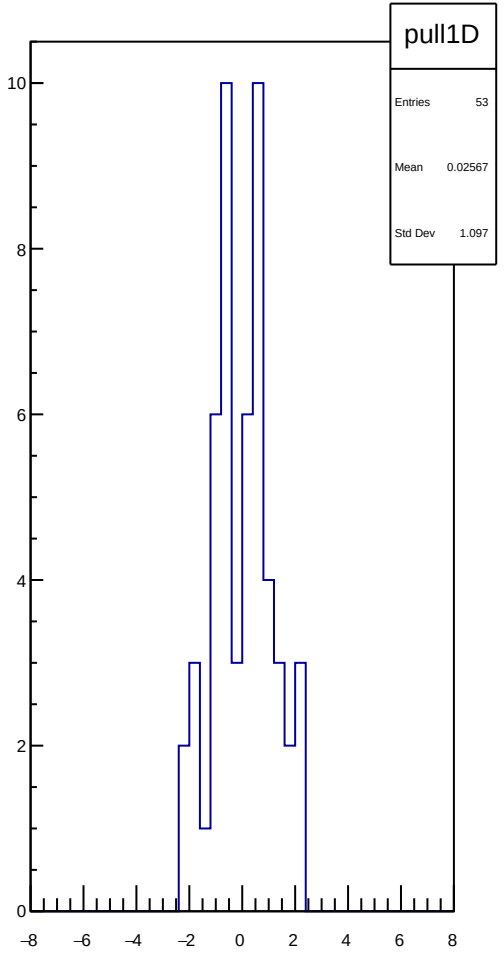

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6098 / 52
p0 76.36 ± 0.07654
105
100
95
90
85
80
75
70

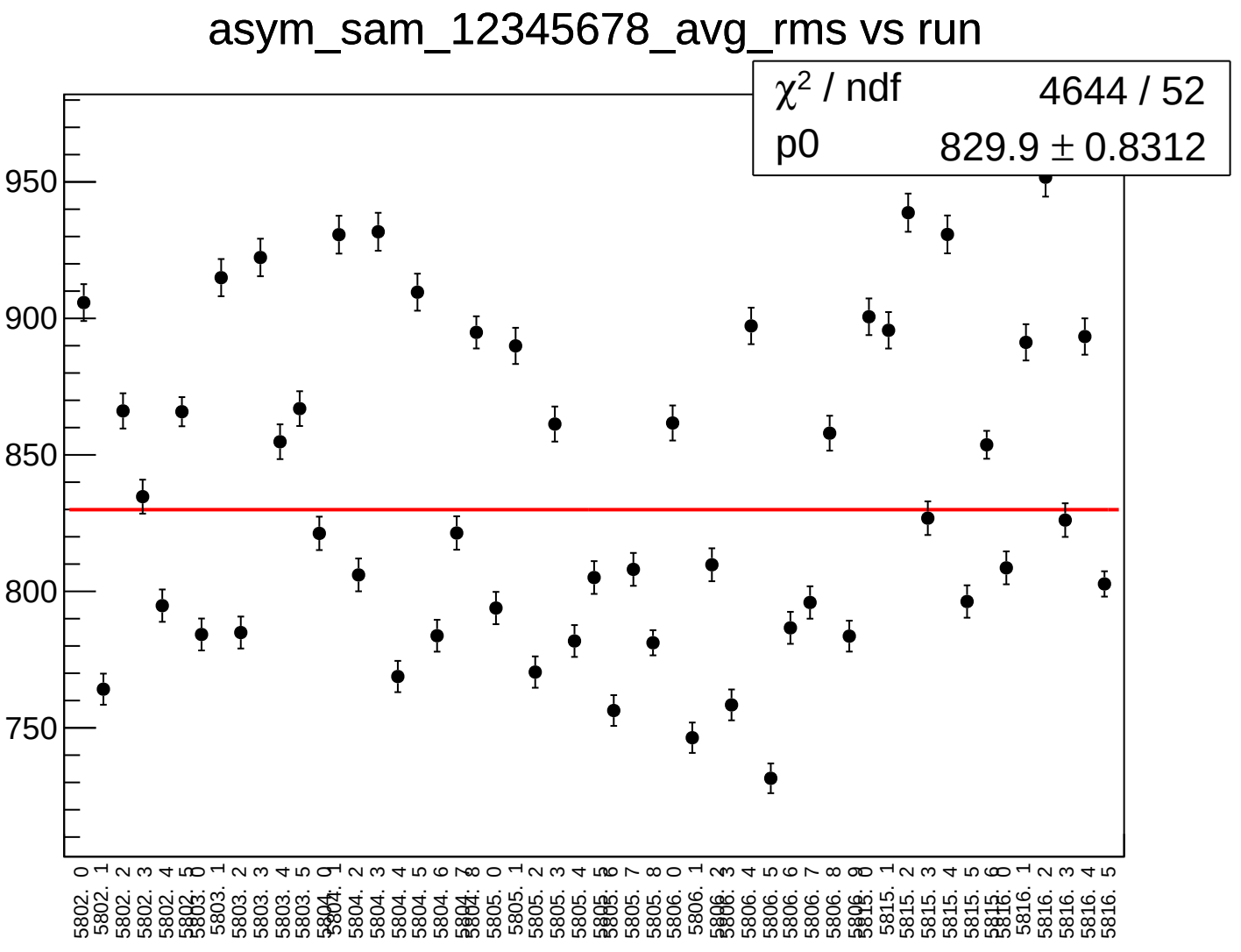

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.77 / 52
p0 461.7 ± 1184
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −86.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

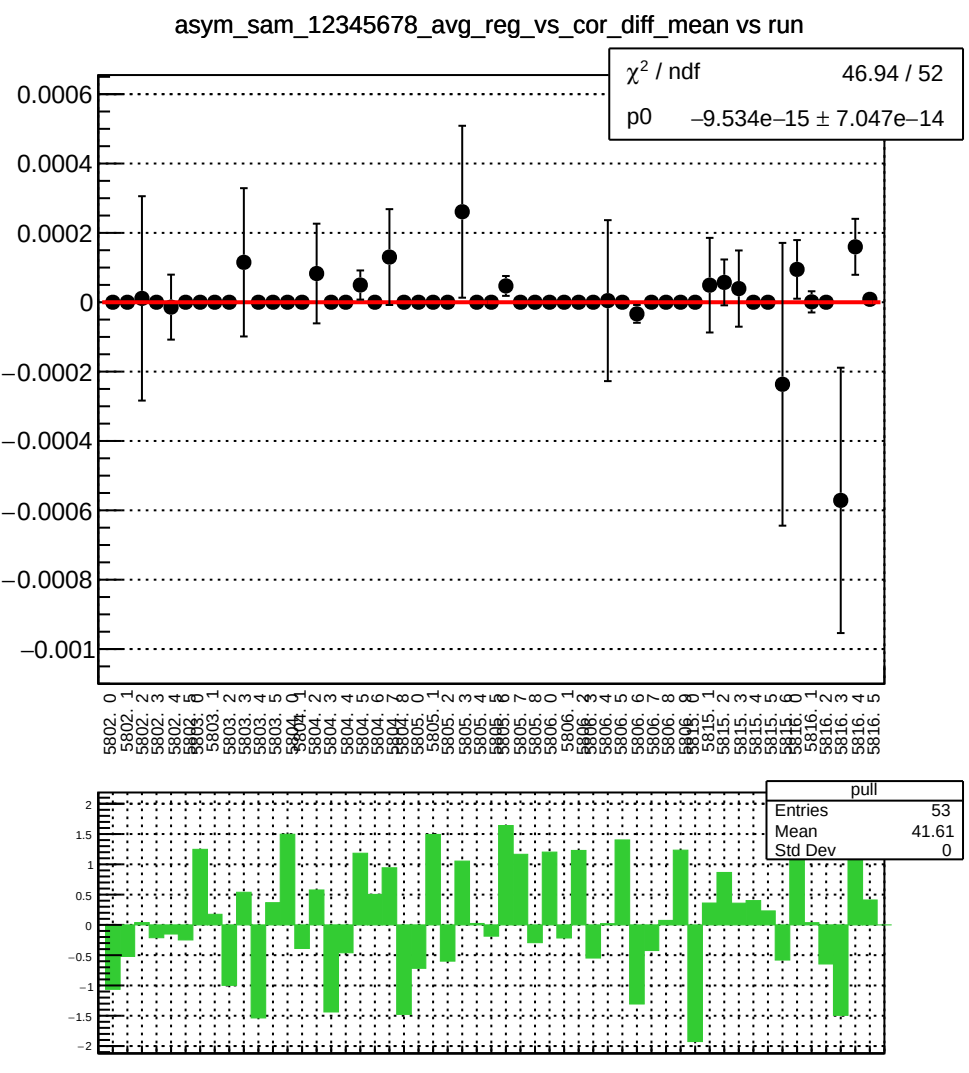

pull1D
Entries 53
Mean −0.02648
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

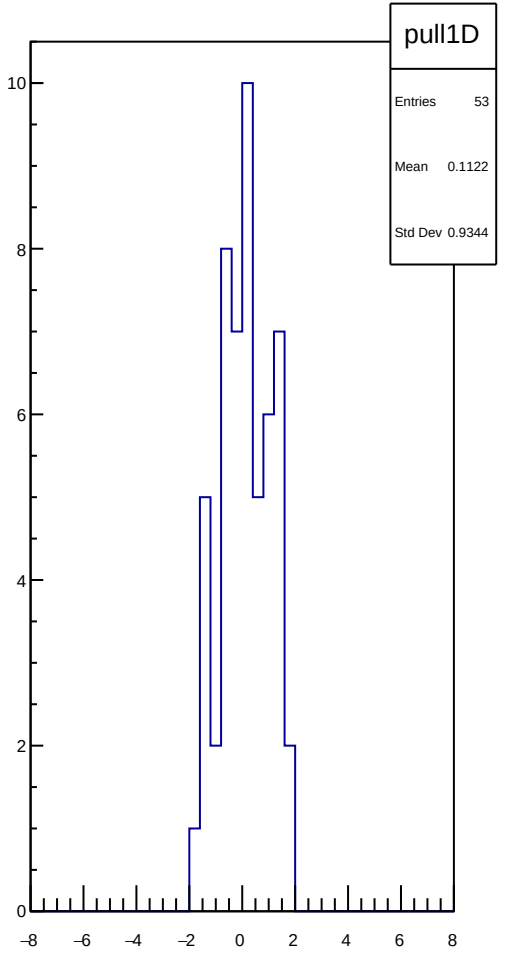

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 3925 / 52
p0 836 ± 0.837
1000
950
900
850
800
750

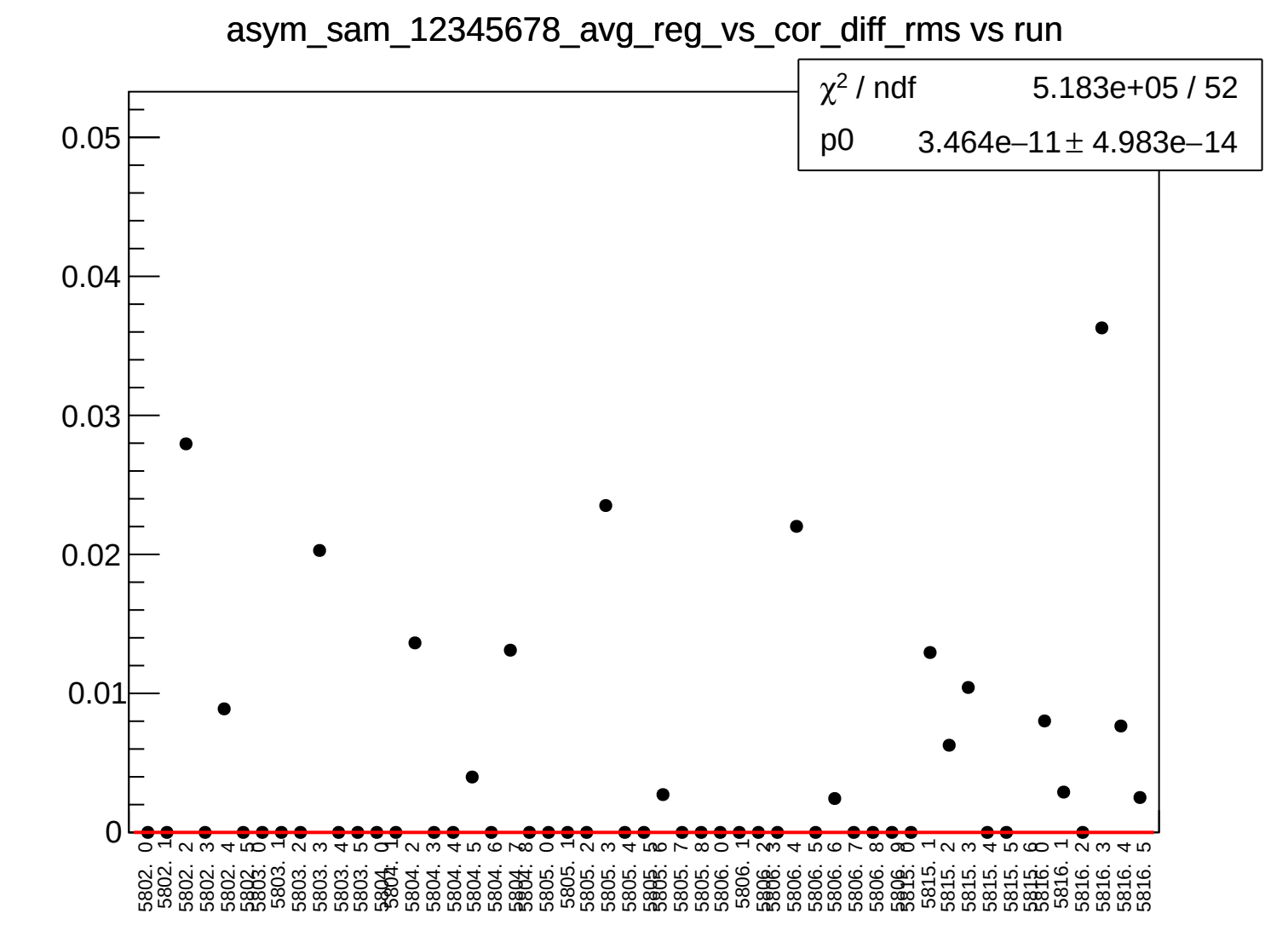

asym_sam_12345678_avg_mean vs run
χ² / ndf 63.83 / 52
p0 −356.5 ± 1176
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −84.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

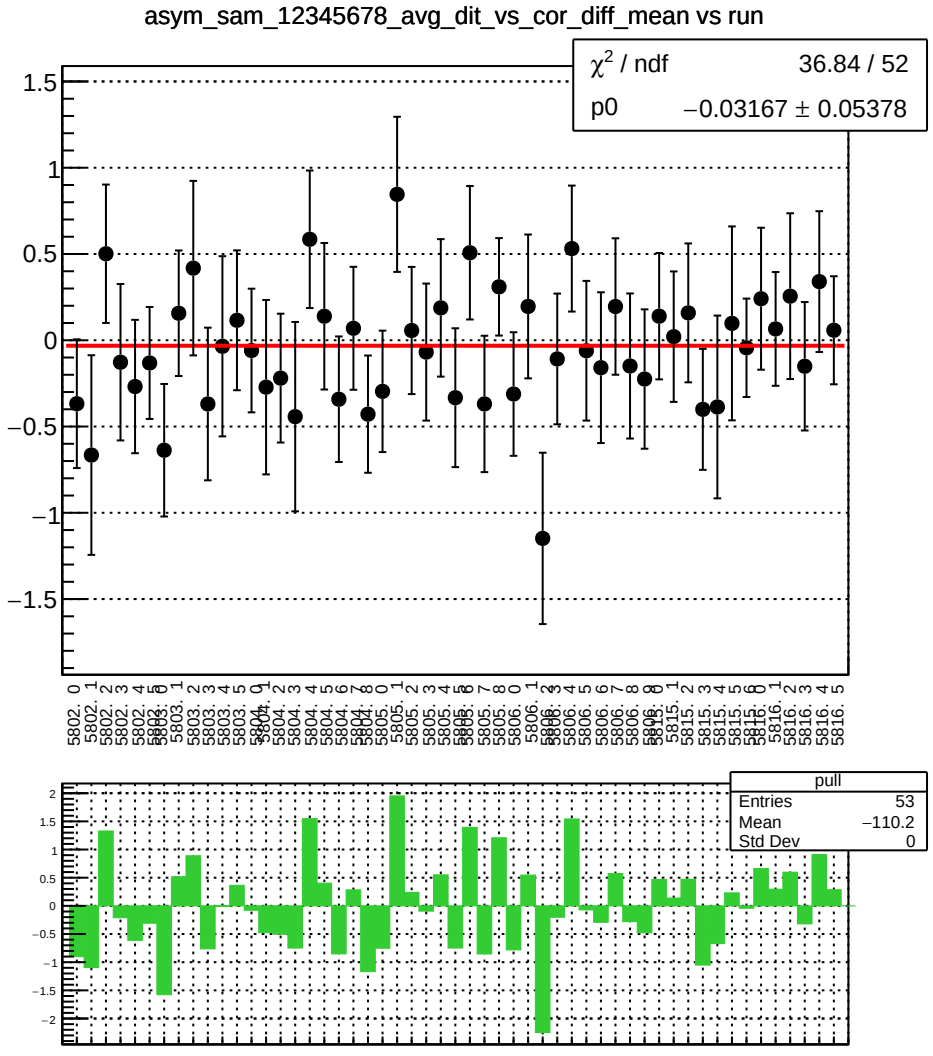

pull1D
Entries 53
Mean 0.02567
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

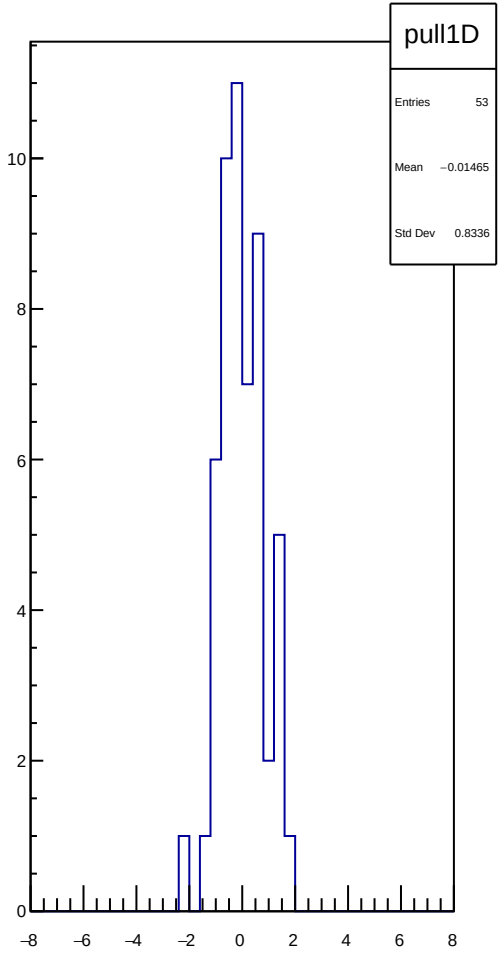

asym_sam_12345678_avg_rms vs run
χ² / ndf 4644 / 52
p0 829.9 ± 0.8312
950
900
850
800
750

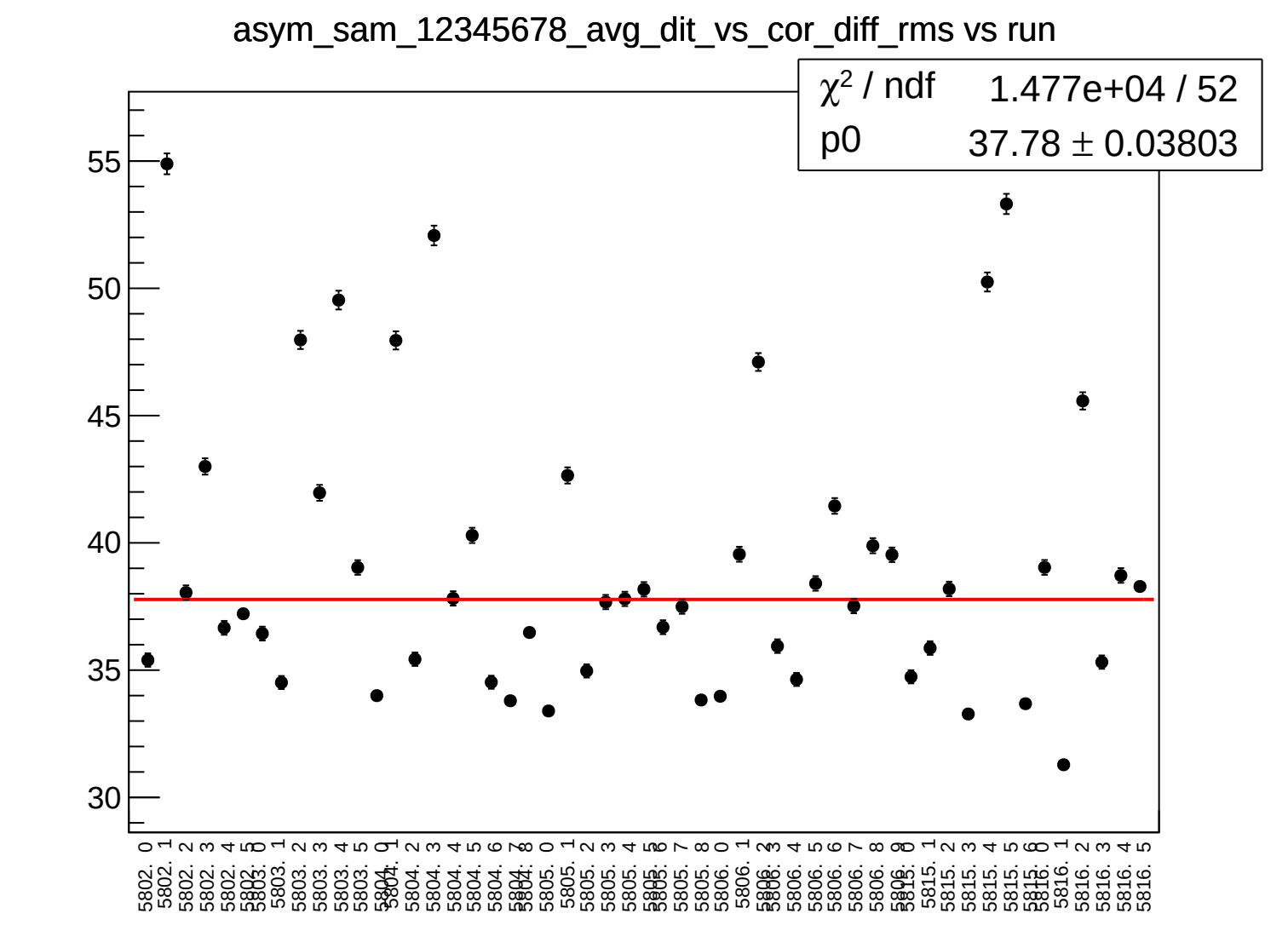

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.94 / 52
p0 −9.534e−15 ± 7.047e−14
pull
Entries 53
Mean 41.61
Std Dev 0

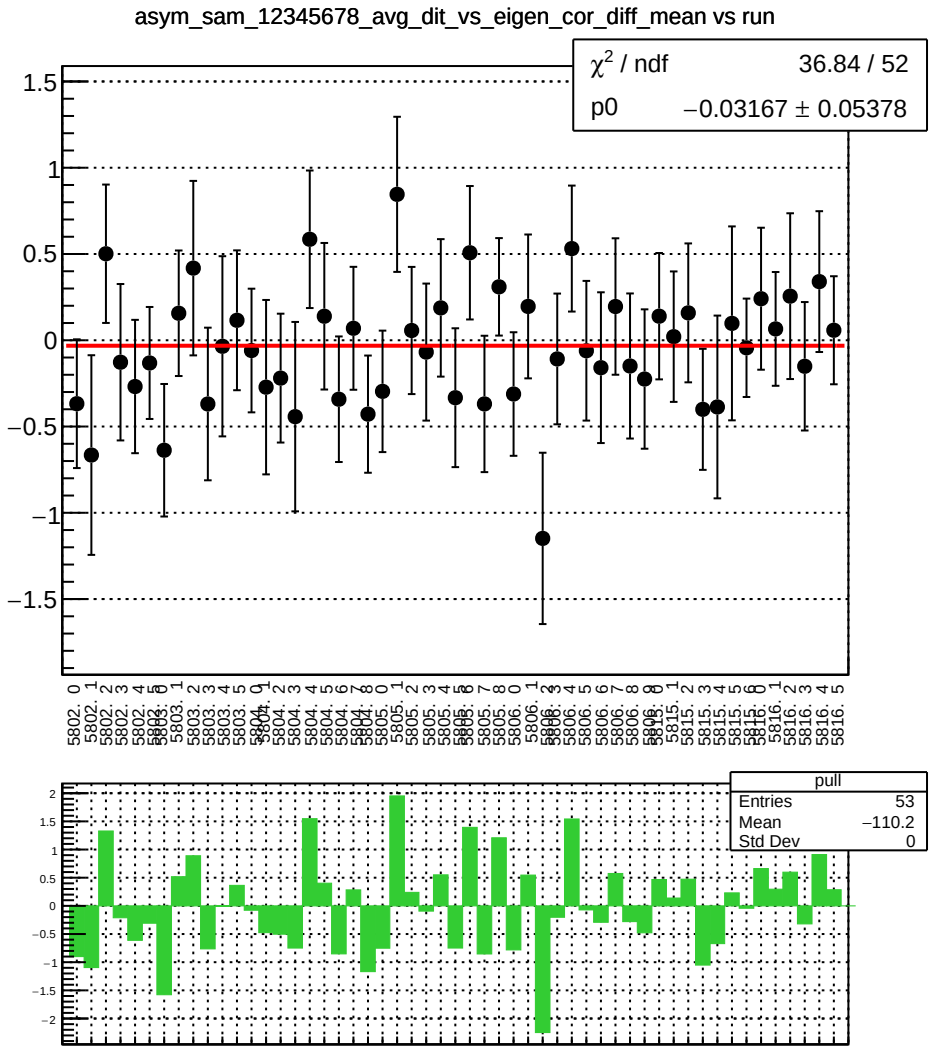

pull1D
Entries 53
Mean 0.1122
Std Dev 0.9344

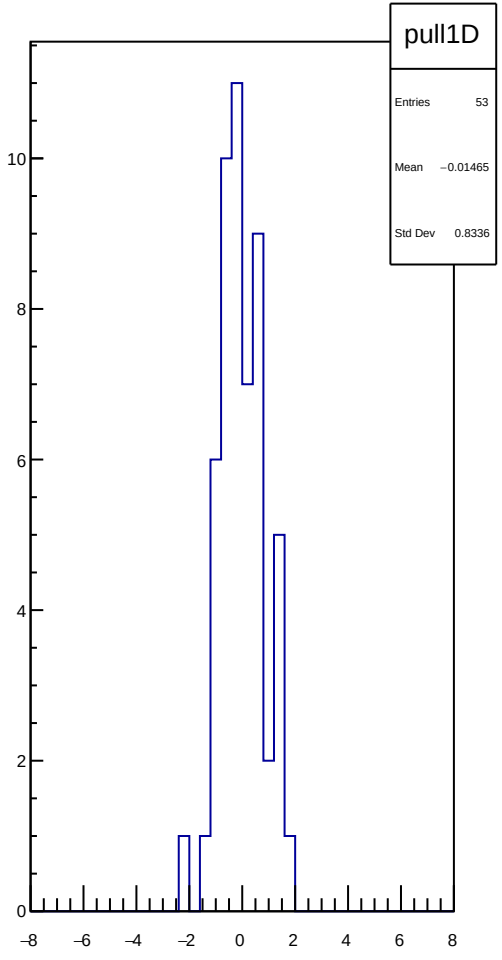

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.183e+05 / 52
p0 3.464e−11 ± 4.983e−14
0.05
0.04
0.03
0.02
0.01
0

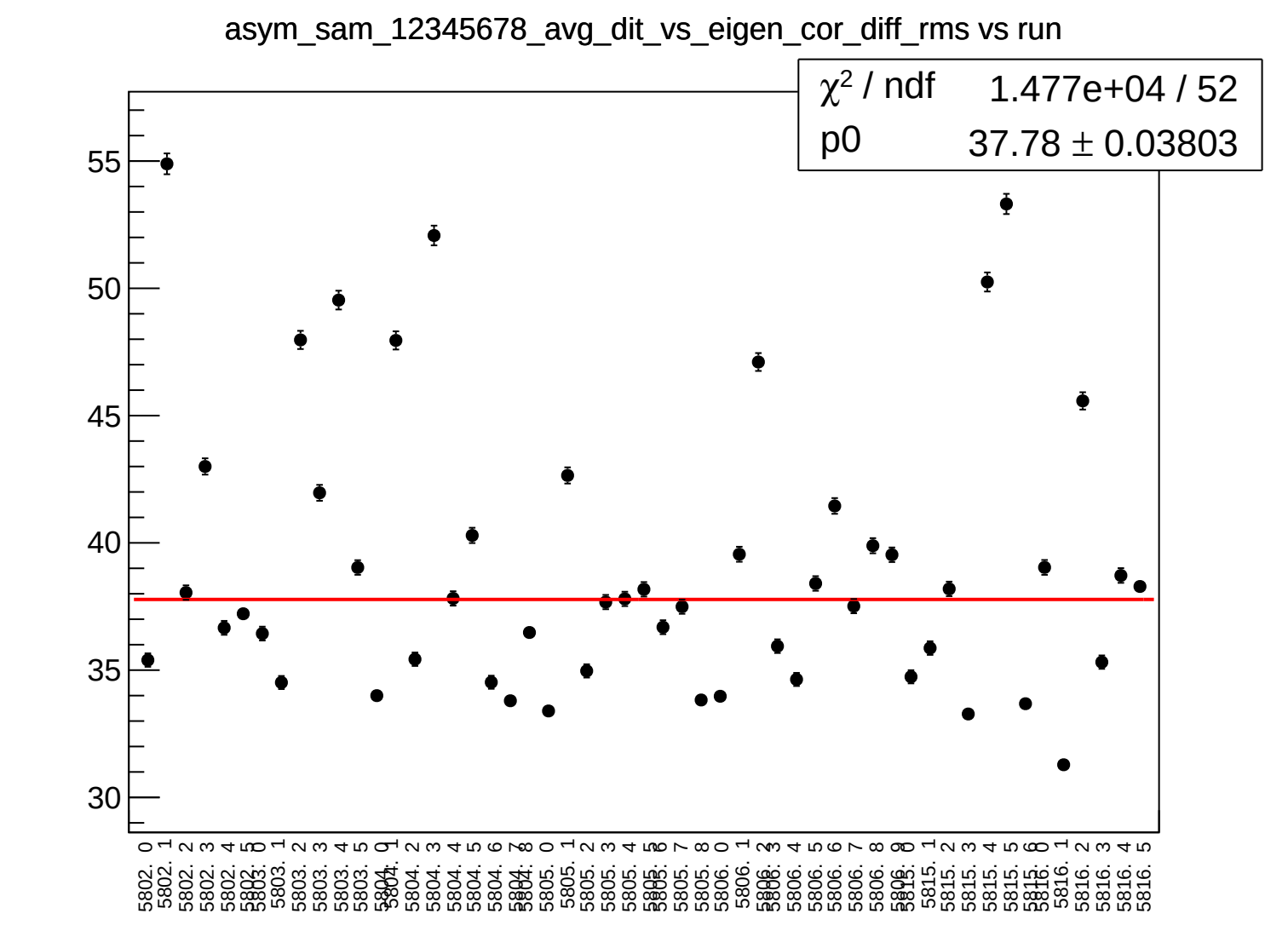

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.84 / 52
p0 −0.03167 ± 0.05378
pull
Entries 53
Mean −110.2
Std Dev 0

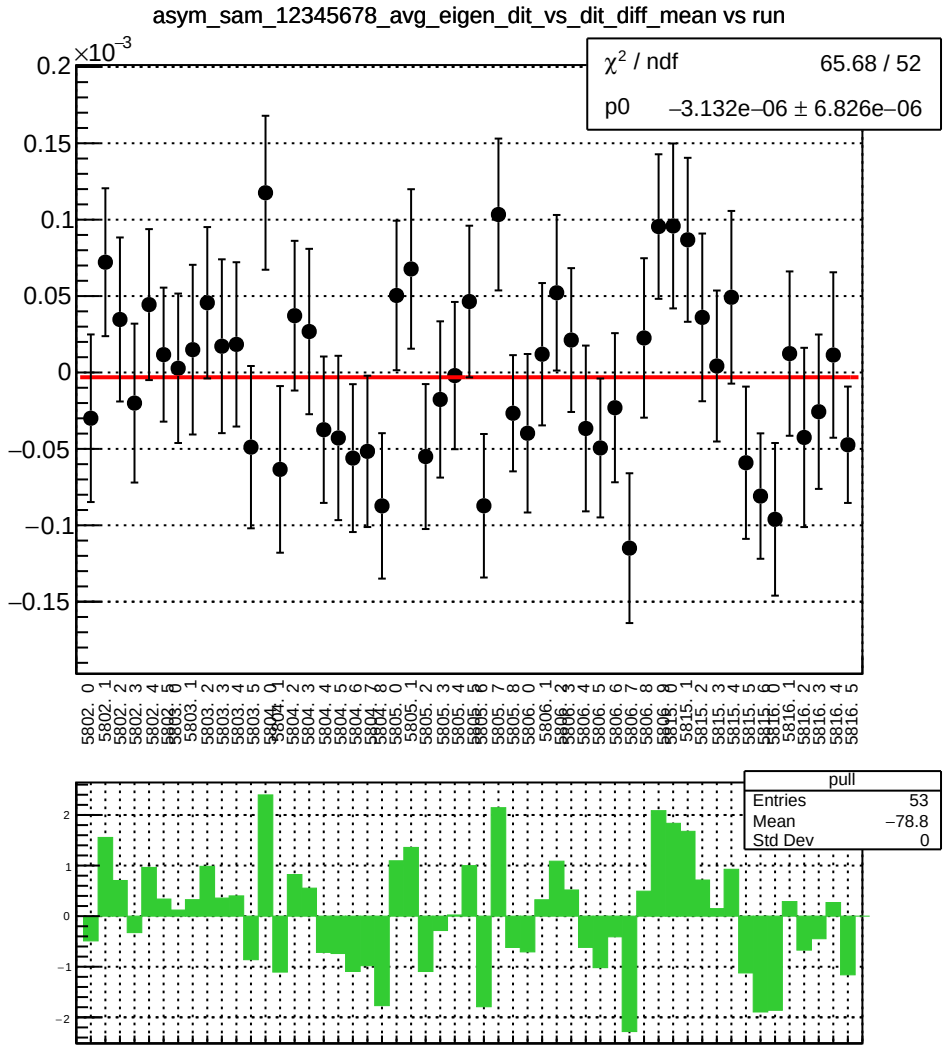

pull1D
Entries 53
Mean −0.01465
Std Dev 0.8336

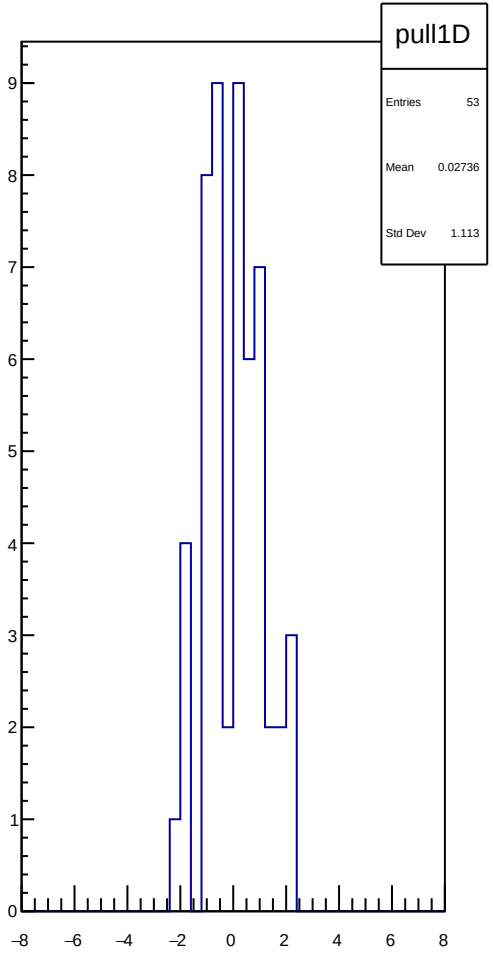

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 52
p0 37.78 ± 0.03803
55
50
45
40
35
30

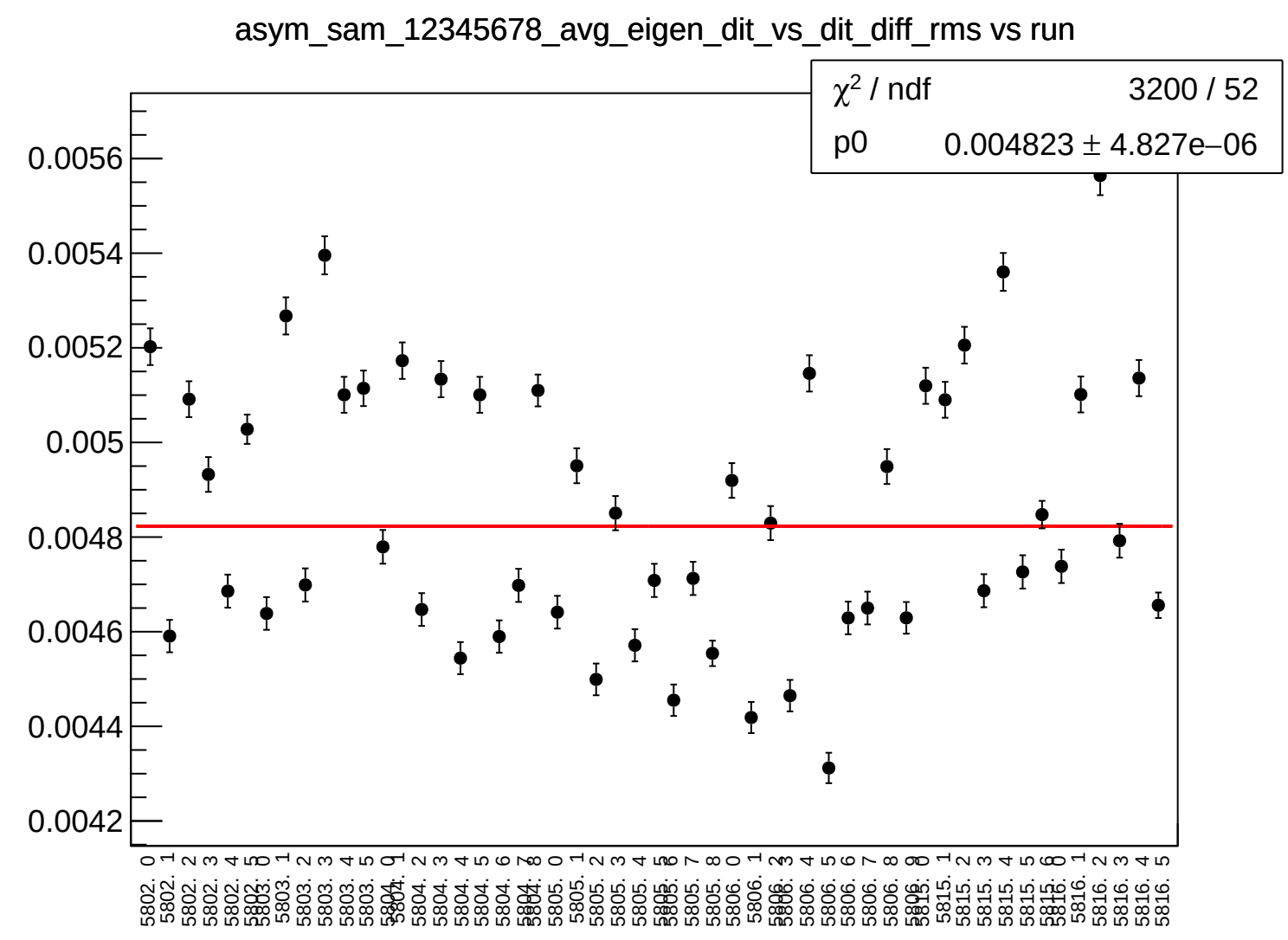

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.84 / 52
p0 −0.03167 ± 0.05378
pull
Entries 53
Mean −110.2
Std Dev 0

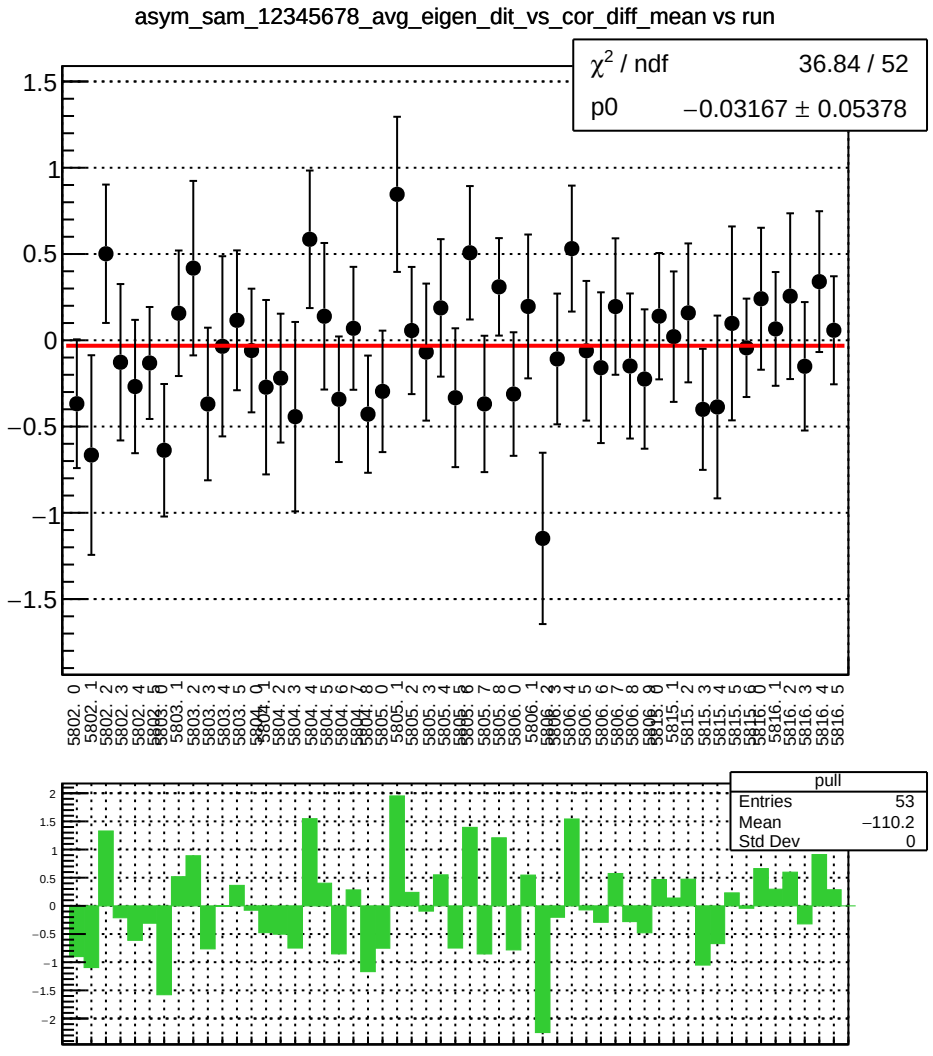

pull1D
Entries 53
Mean −0.01465
Std Dev 0.8336

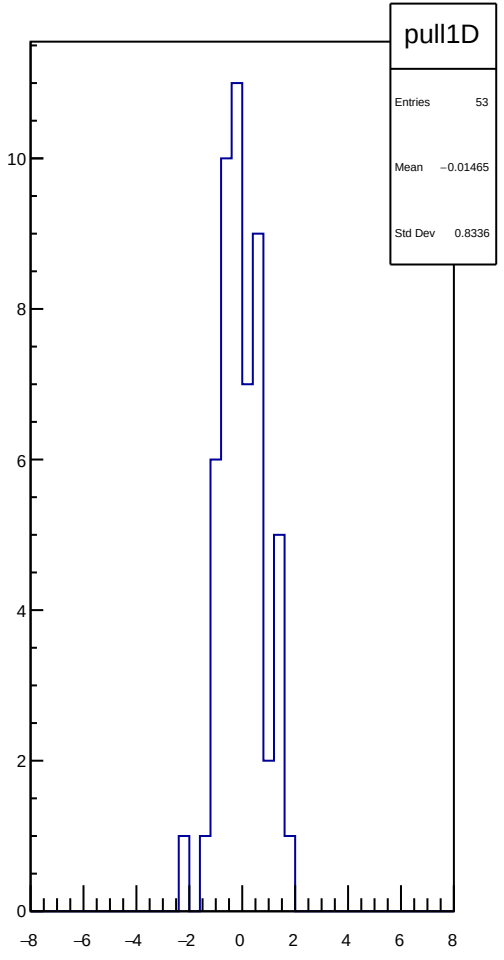

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 52
p0 37.78 ± 0.03803
55
50
45
40
35
30

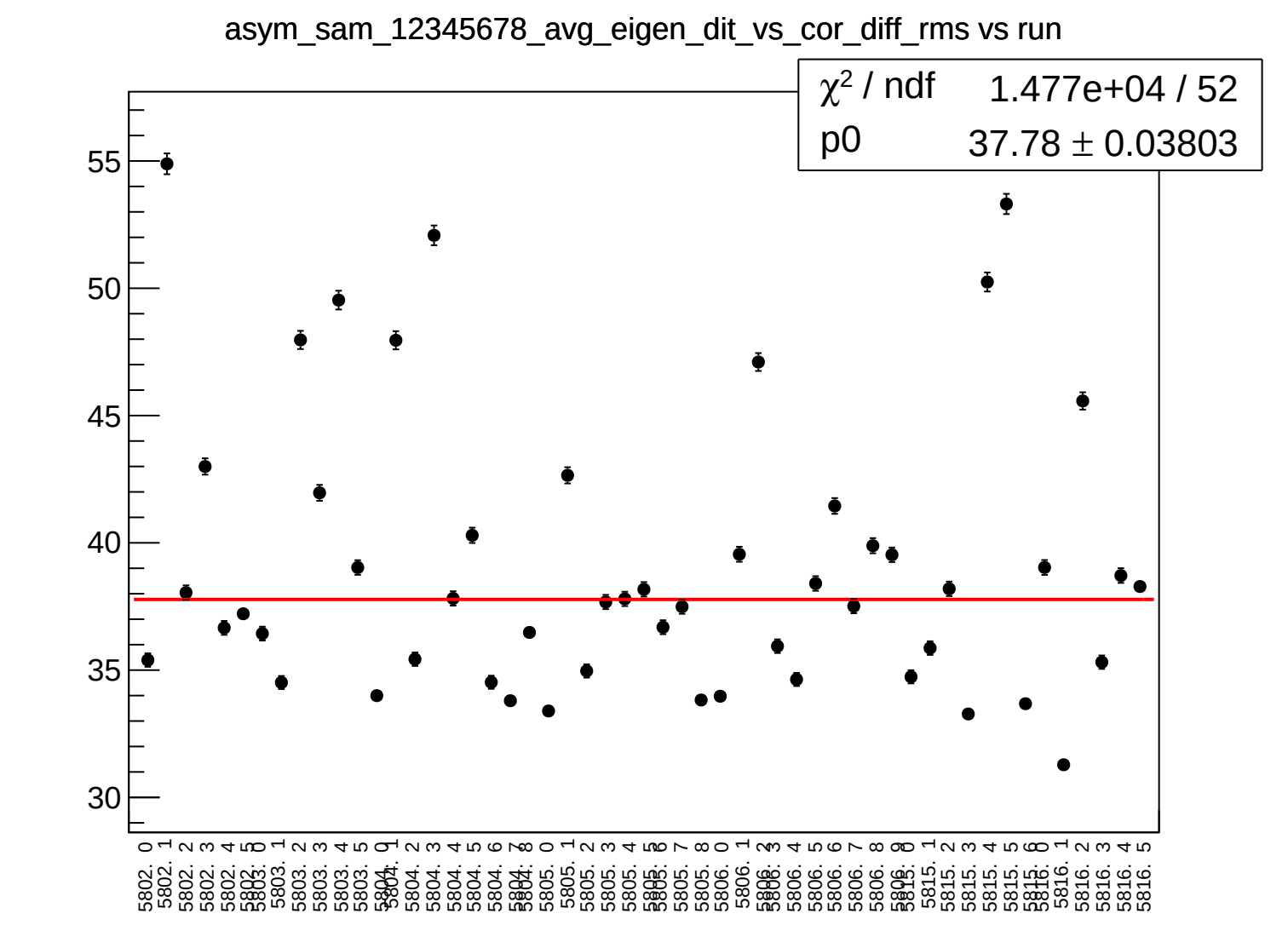

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.68 / 52
p0 −3.132e−06 ± 6.826e−06
pull
Entries 53
Mean −78.8
Std Dev 0

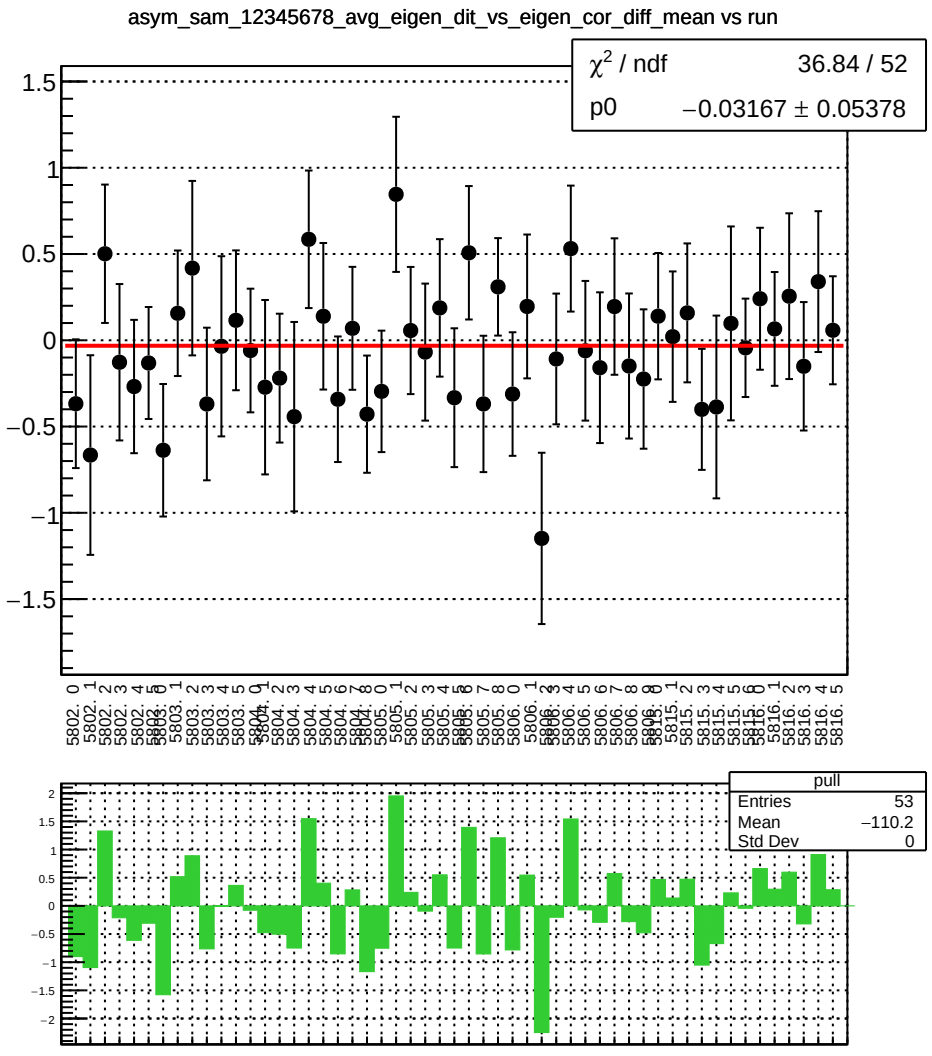

pull1D
Entries 53
Mean 0.02736
Std Dev 1.113

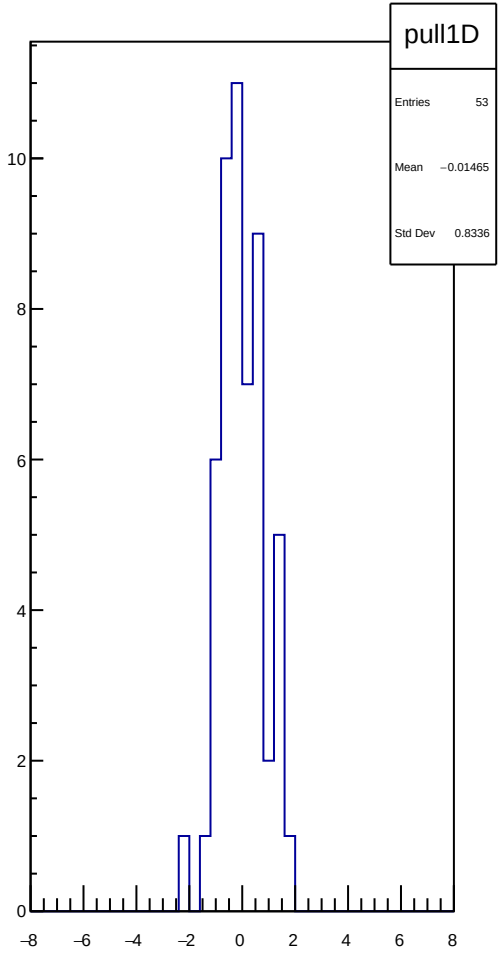

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3200 / 52
p0 0.004823 ± 4.827e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

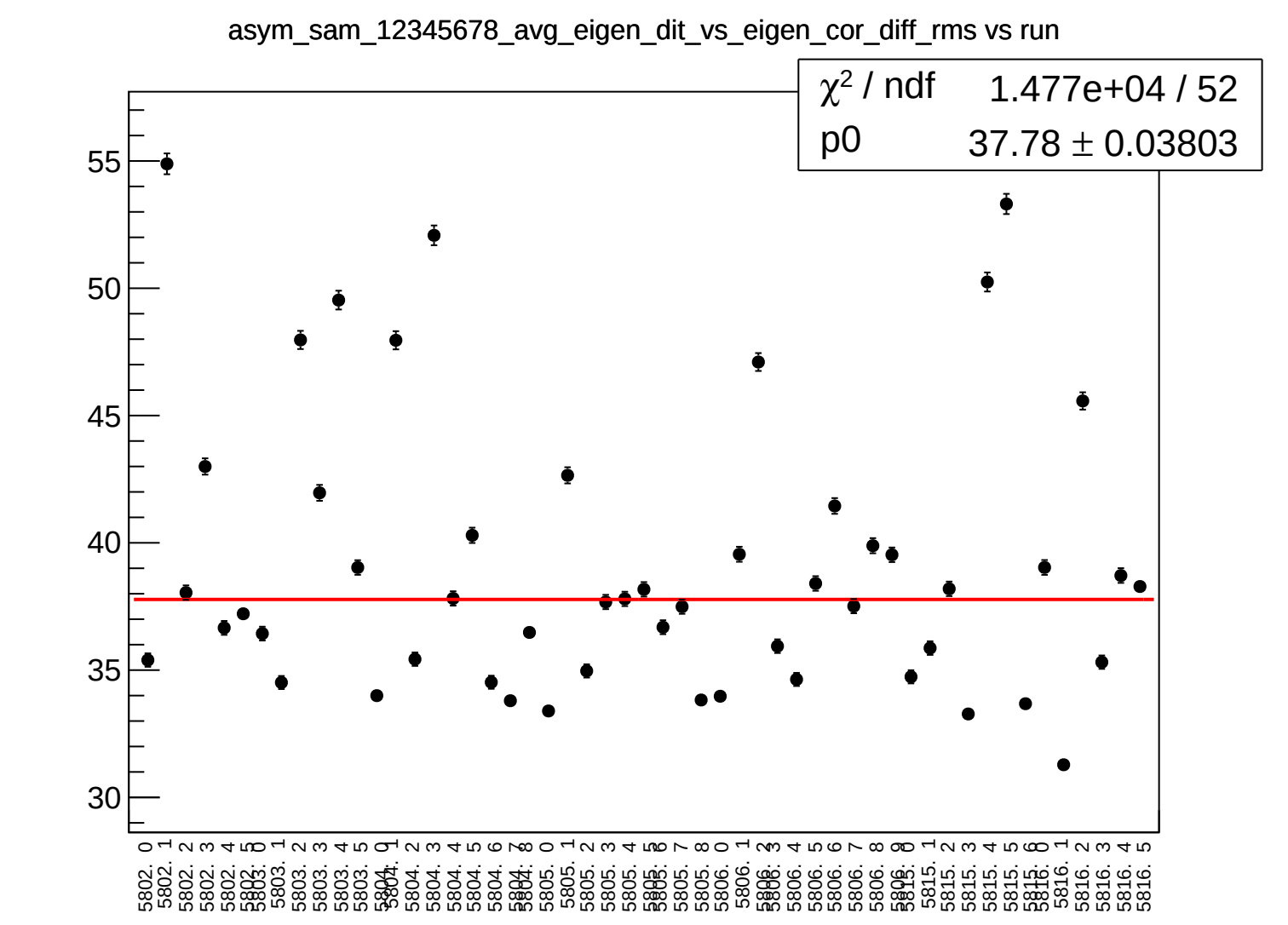

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.84 / 52
p0 −0.03167 ± 0.05378
pull
Entries 53
Mean −110.2
Std Dev 0

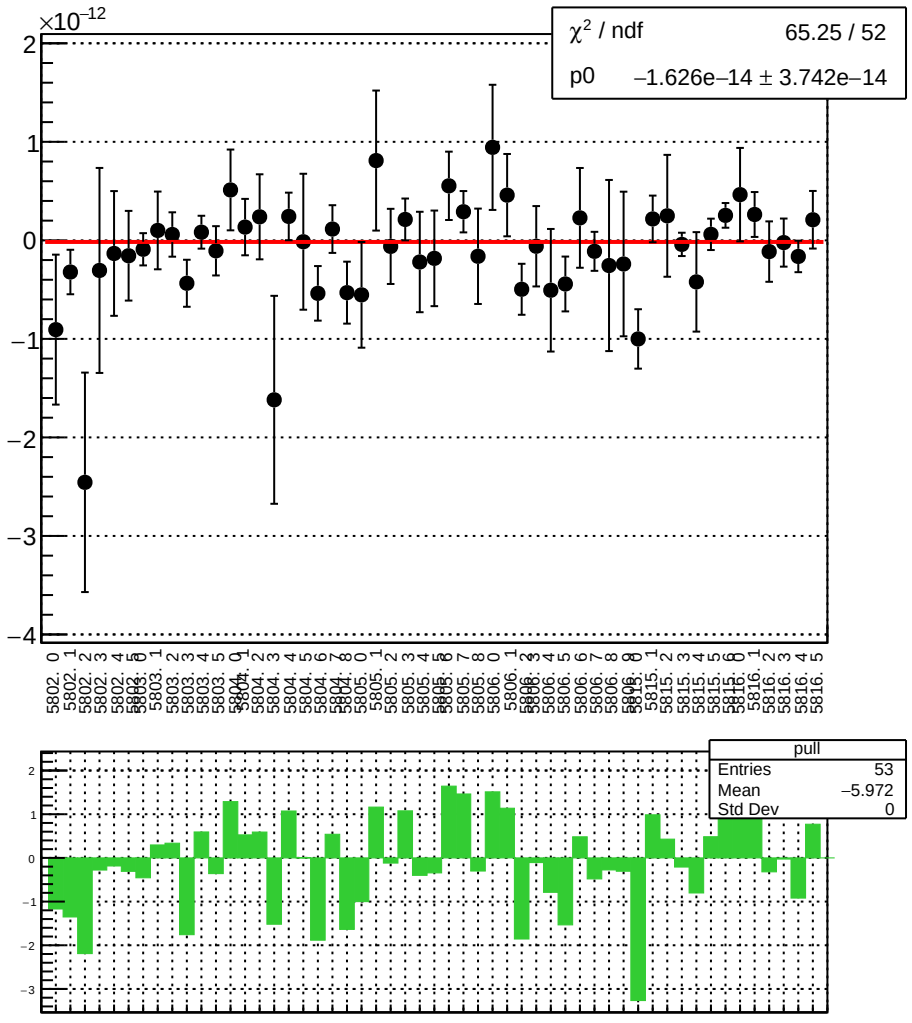

pull1D
Entries 53
Mean −0.01465
Std Dev 0.8336

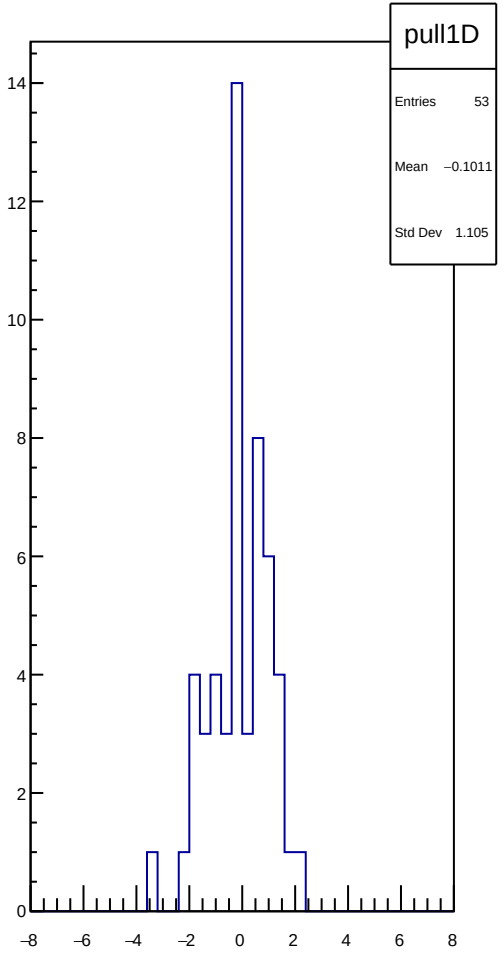

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 52
p0 37.78 ± 0.03803
55
50
45
40
35
30

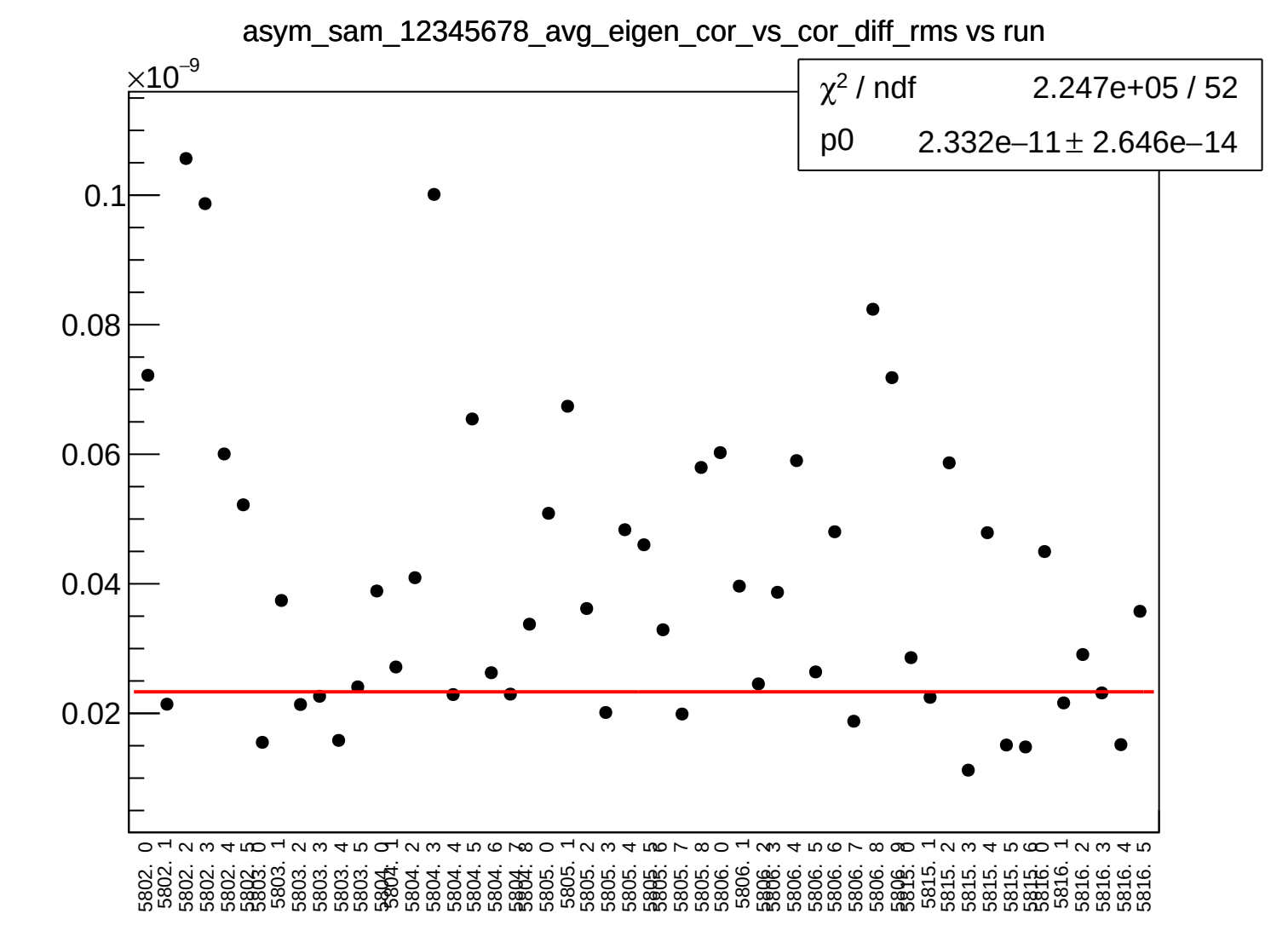

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.84 / 52
p0 −0.03167 ± 0.05378
pull
Entries 53
Mean −110.2
Std Dev 0

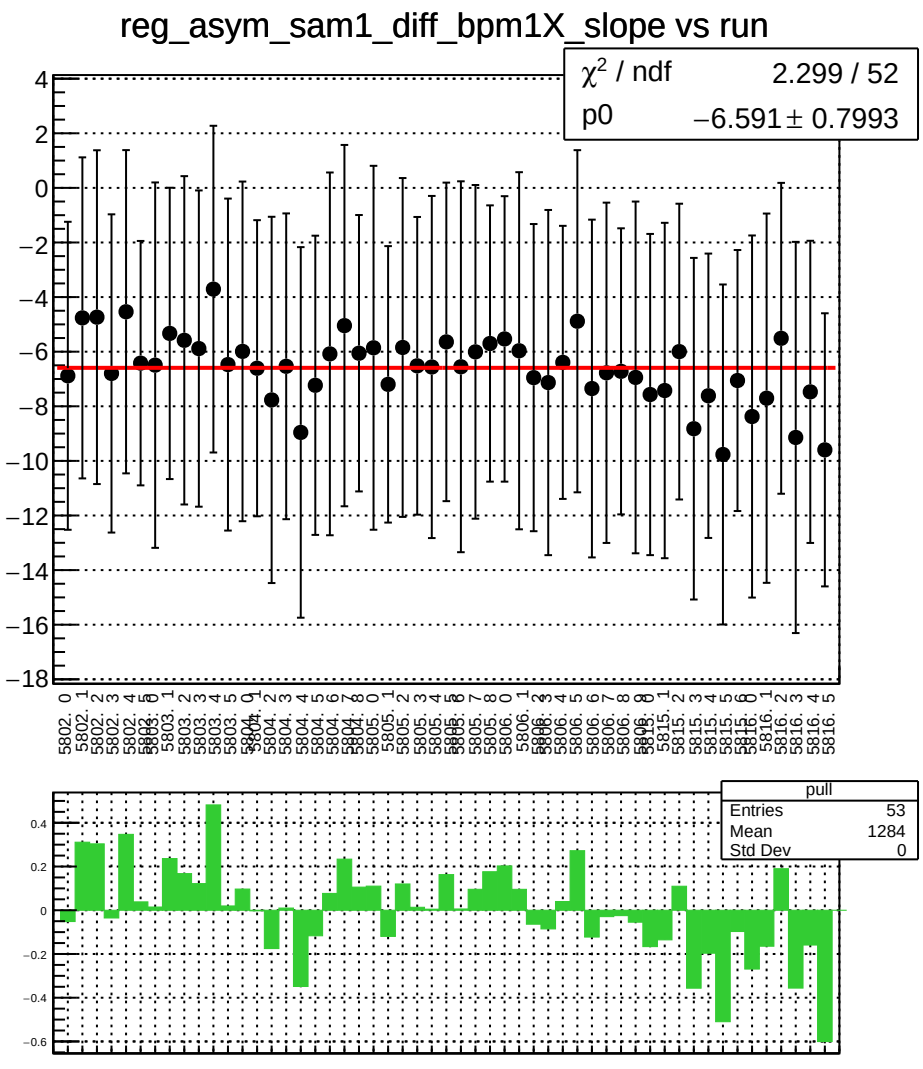

pull1D
Entries 53
Mean −0.01465
Std Dev 0.8336

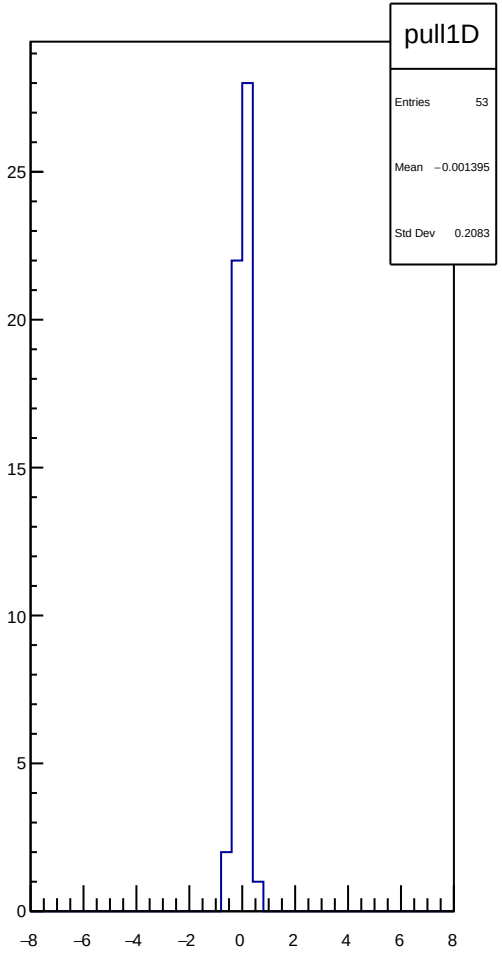

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 52
p0 37.78 ± 0.03803
55
50
45
40
35
30

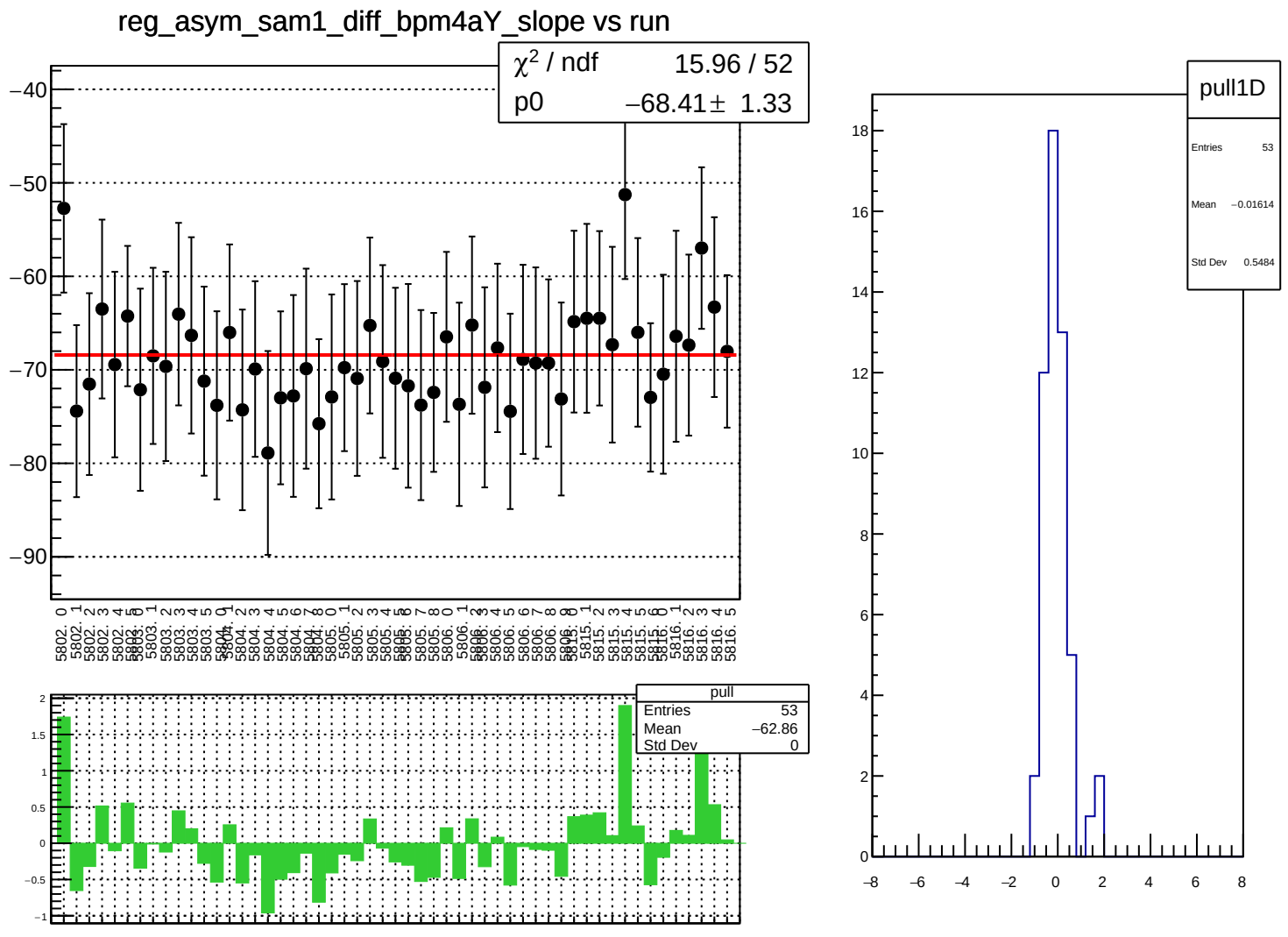

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.25 / 52
p0 −1.626e−14 ± 3.742e−14
pull
Entries 53
Mean −5.972
Std Dev 0

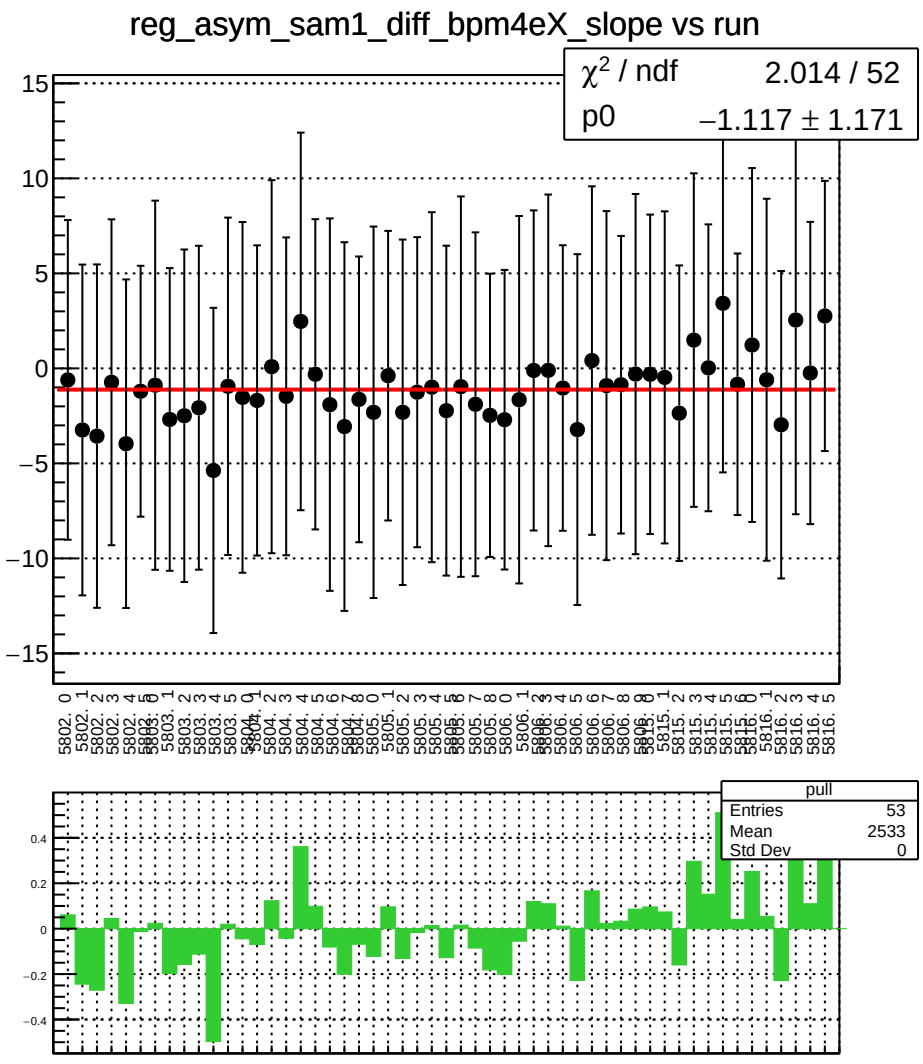

pull1D
Entries 53
Mean −0.1011
Std Dev 1.105

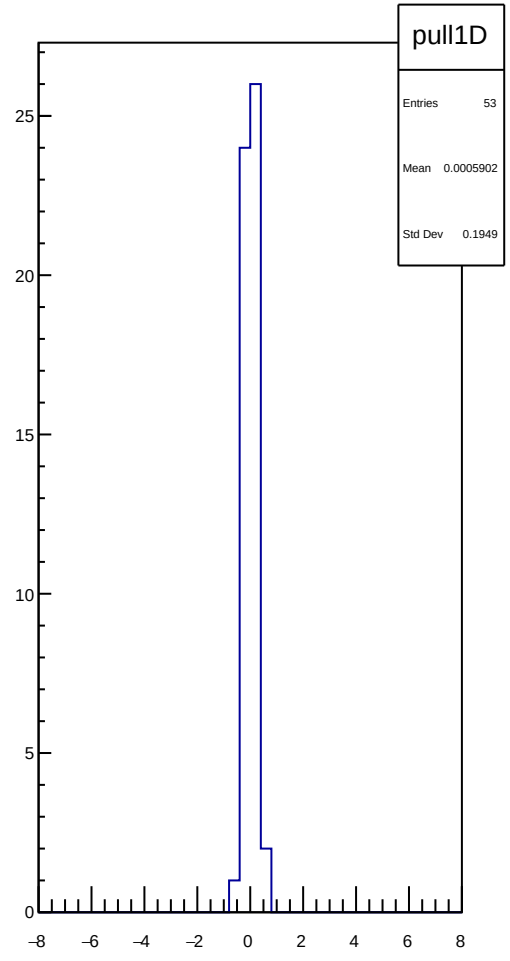

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.247e+05 / 52
p0 2.332e−11 ± 2.646e−14
0.1
0.08
0.06
0.04
0.02

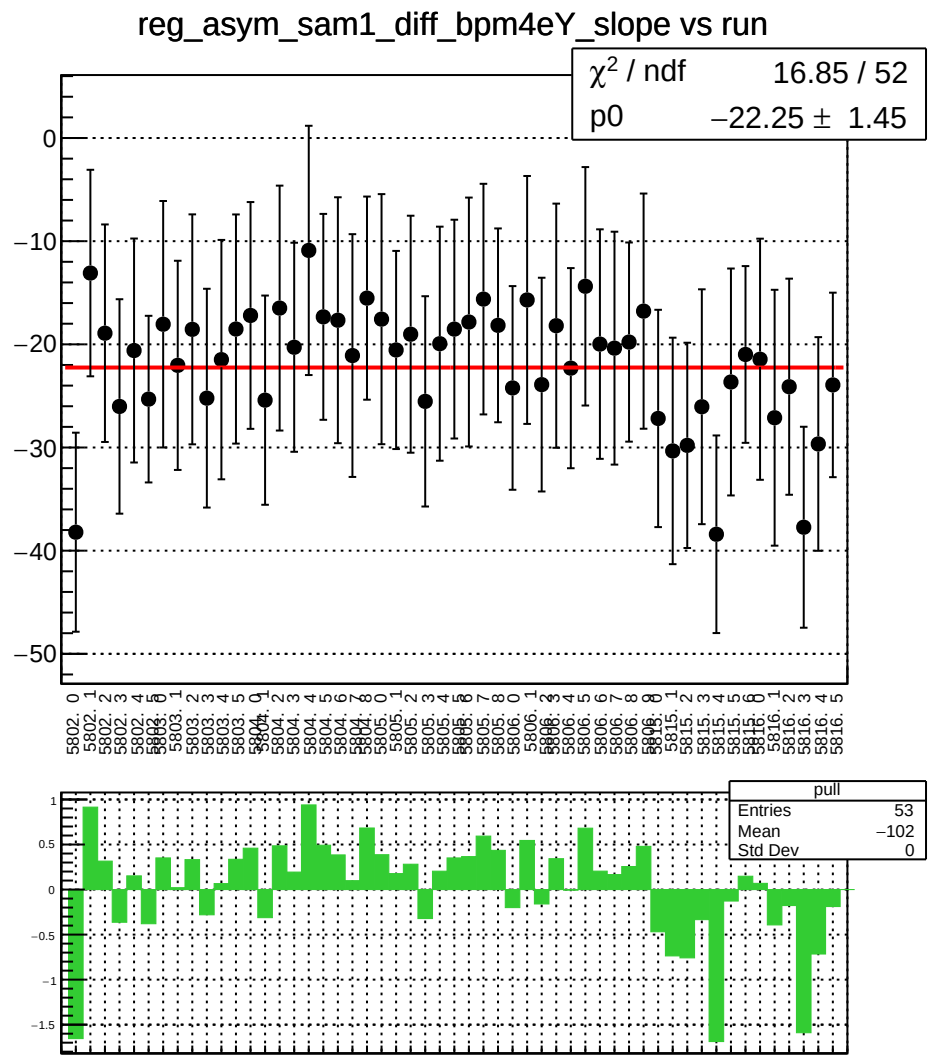

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 2.299 / 52
p0 −6.591 ± 0.7993
pull
Entries 53
Mean 1284
Std Dev 0

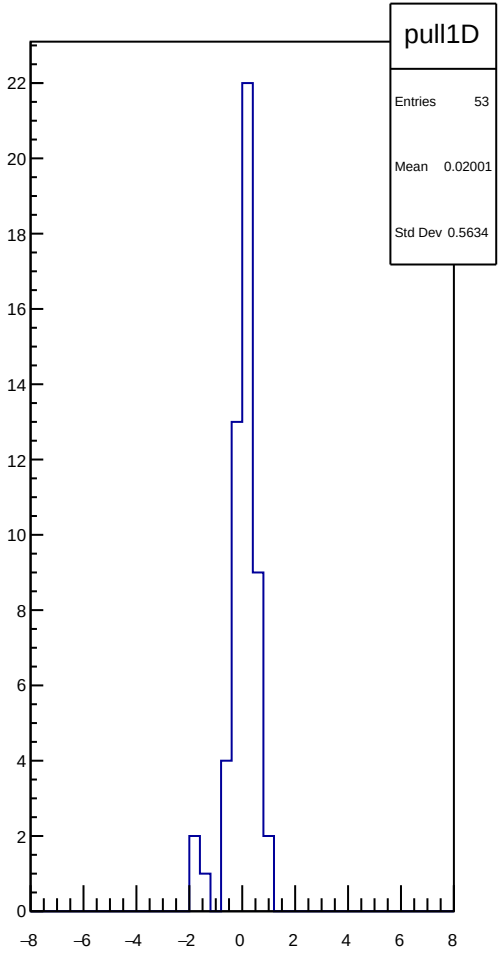

pull1D
Entries 53
Mean −0.001395
Std Dev 0.2083

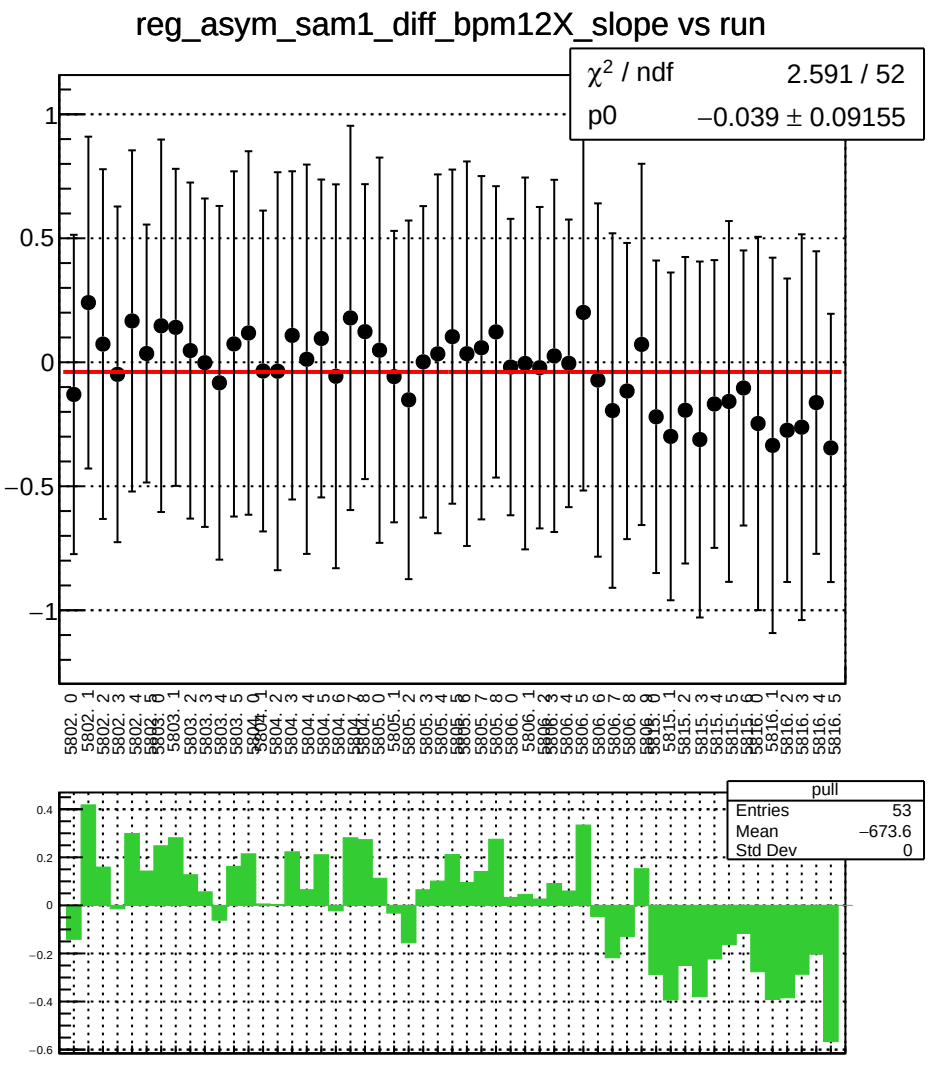

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.96 / 52
p0 −68.41± 1.33
pull
Entries 53
Mean −62.86
Std Dev 0
pull1D
Entries 53
Mean −0.01614
Std Dev 0.5484

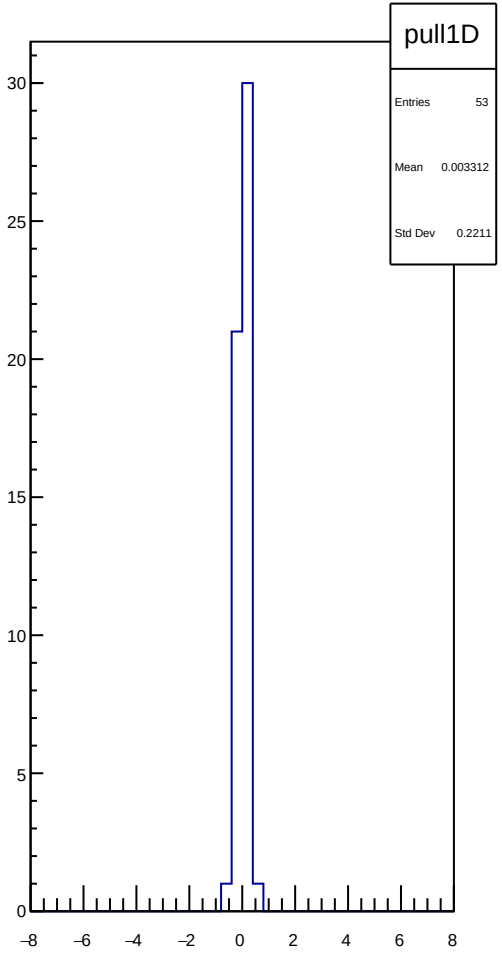

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 2.014 / 52
p0 −1.117 ± 1.171
pull
Entries 53
Mean 2533
Std Dev 0

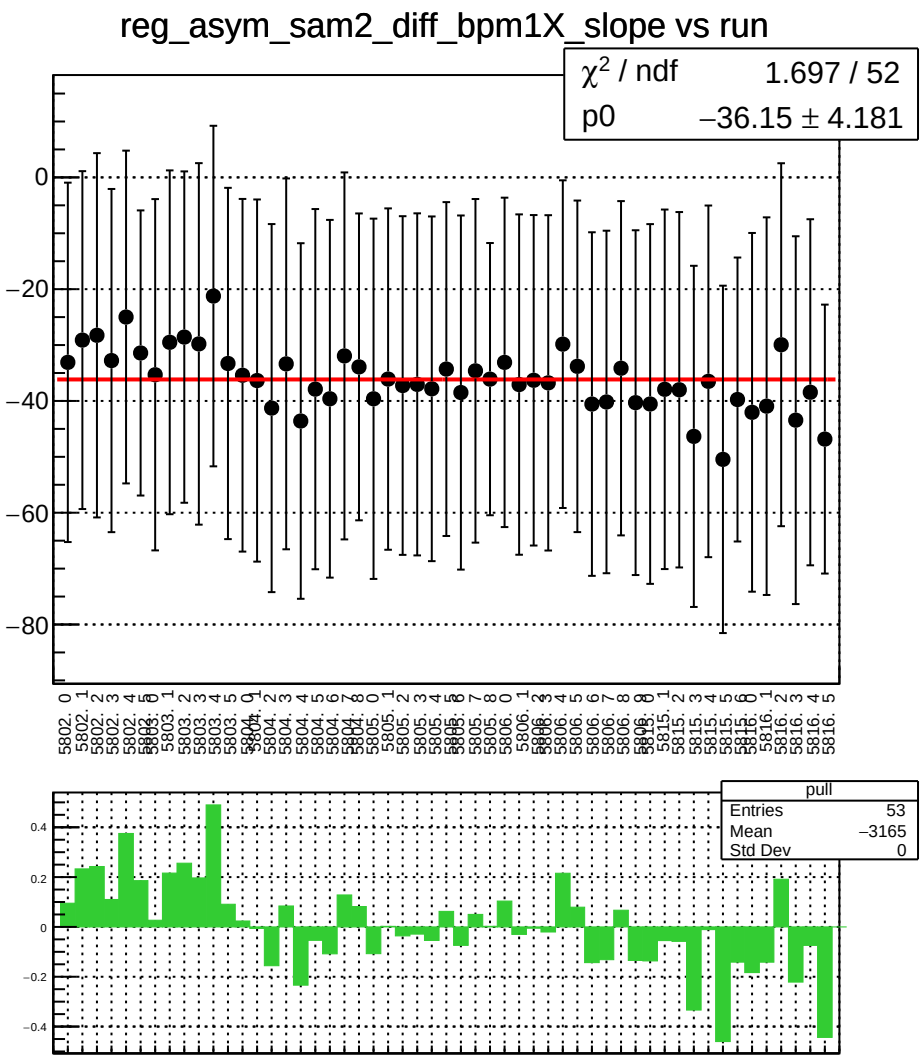

pull1D
Entries 53
Mean 0.0005902
Std Dev 0.1949

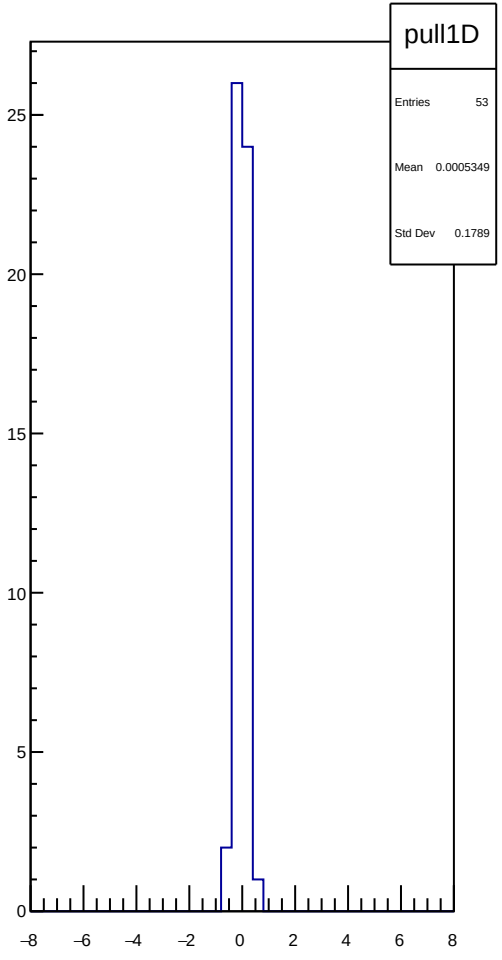

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.85 / 52
p0 −22.25 ± 1.45
pull
Entries 53
Mean −102
Std Dev 0

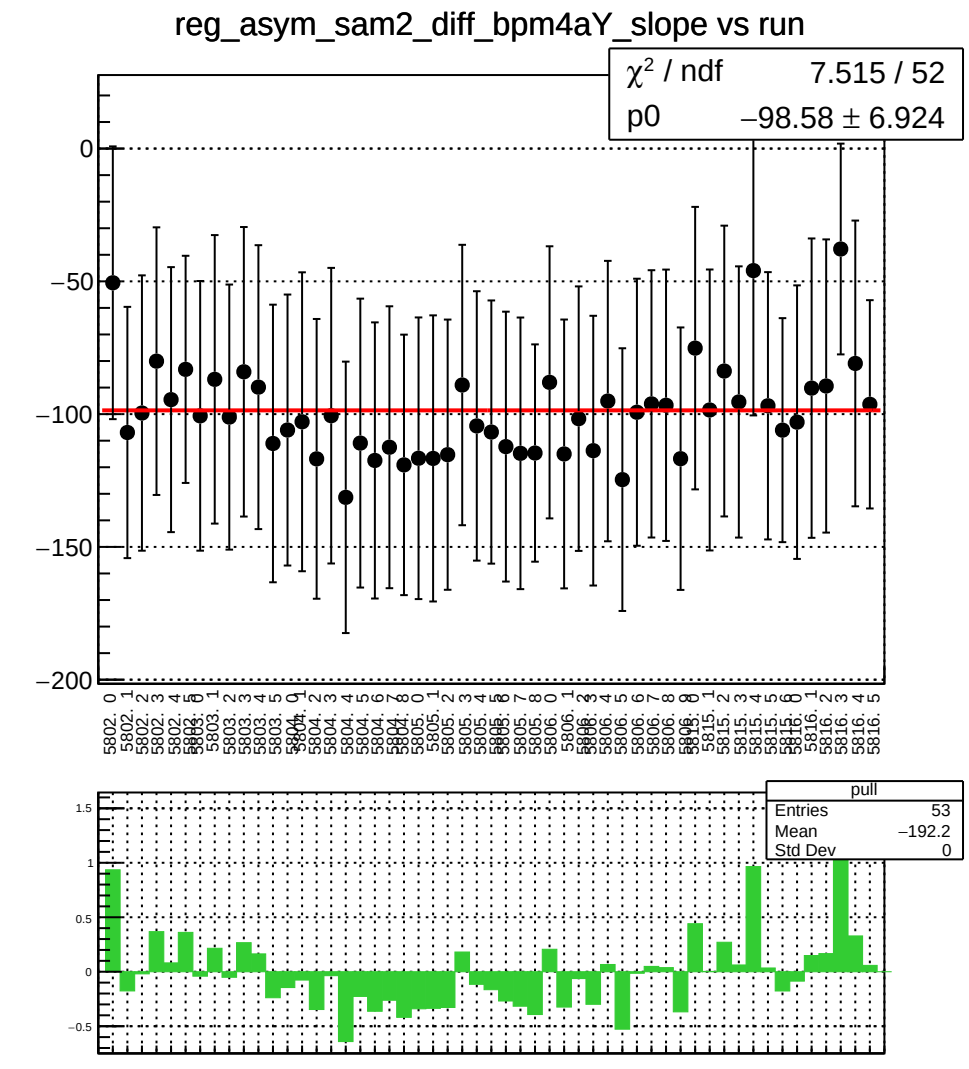

pull1D
Entries 53
Mean 0.02001
Std Dev 0.5634

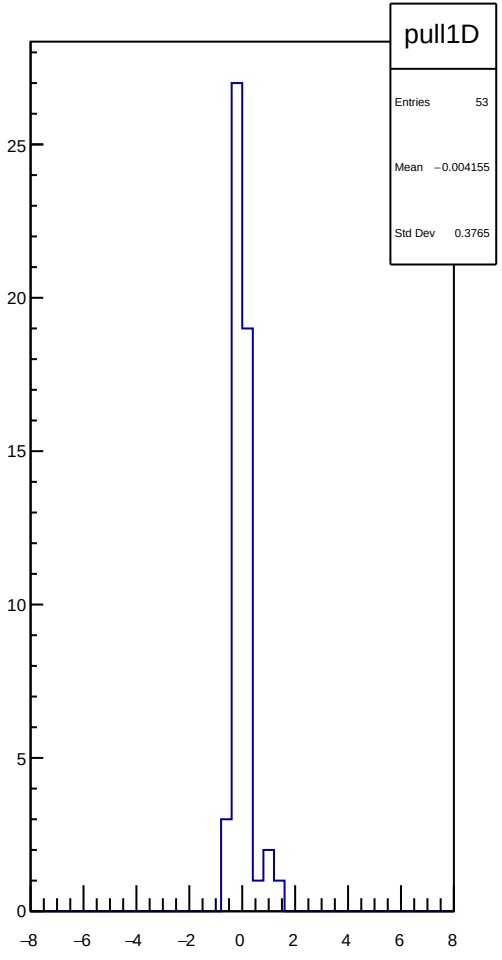

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.591 / 52
p0 −0.039 ± 0.09155
pull
Entries 53
Mean −673.6
Std Dev 0

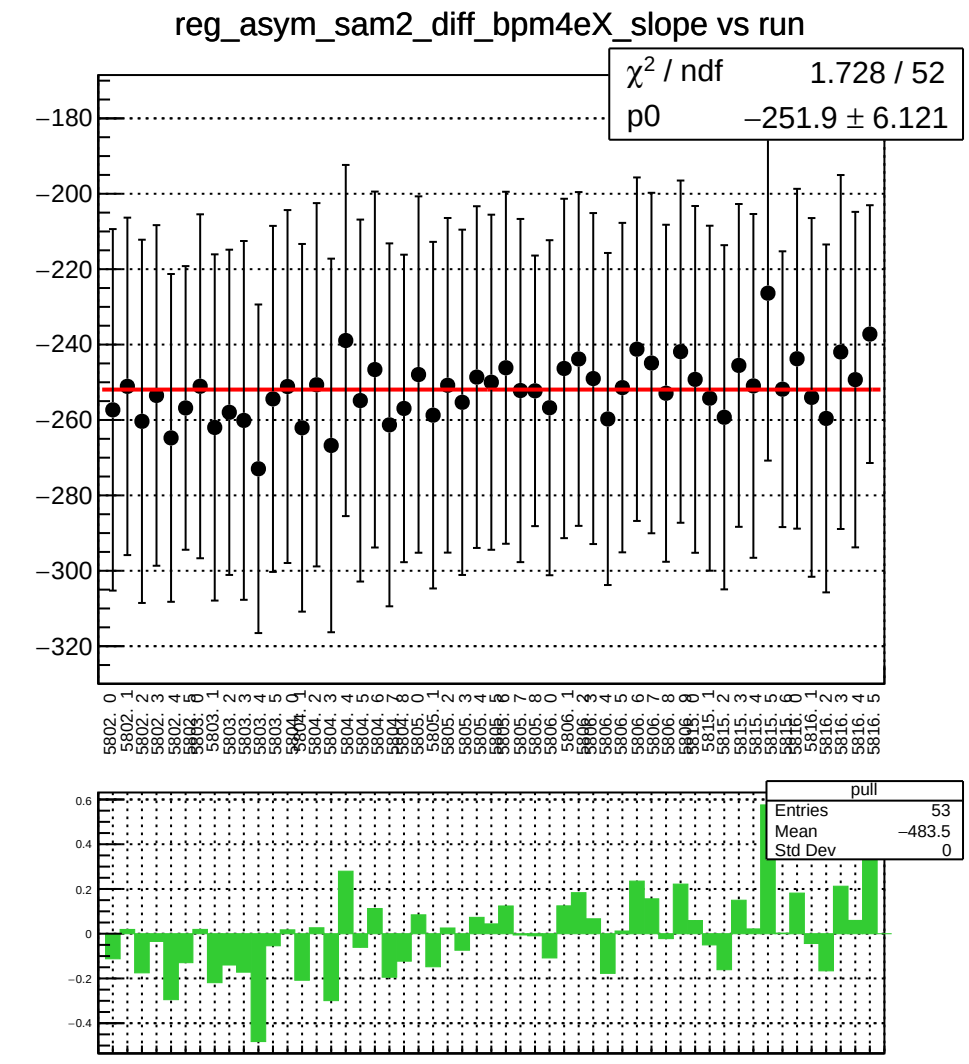

pull1D
Entries 53
Mean 0.003312
Std Dev 0.2211

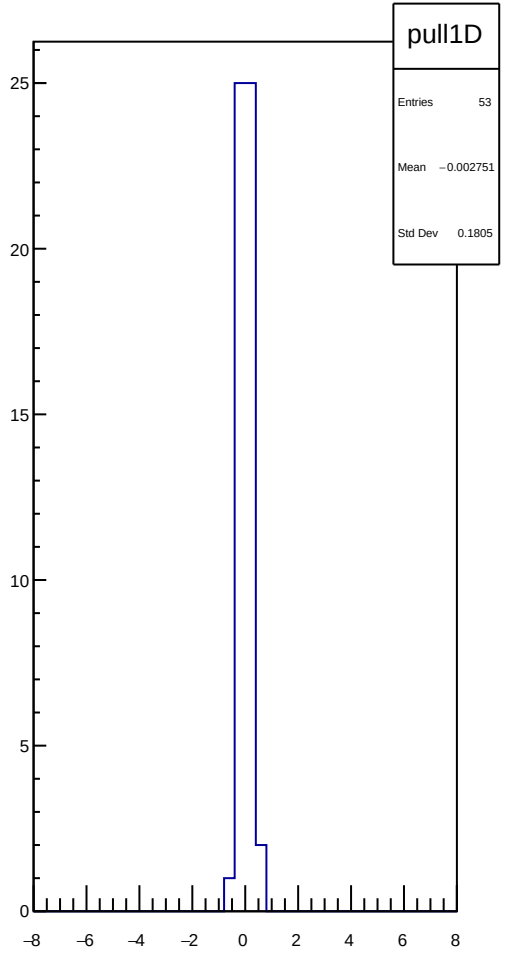

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.697 / 52
p0 −36.15 ± 4.181
pull
Entries 53
Mean −3165
Std Dev 0

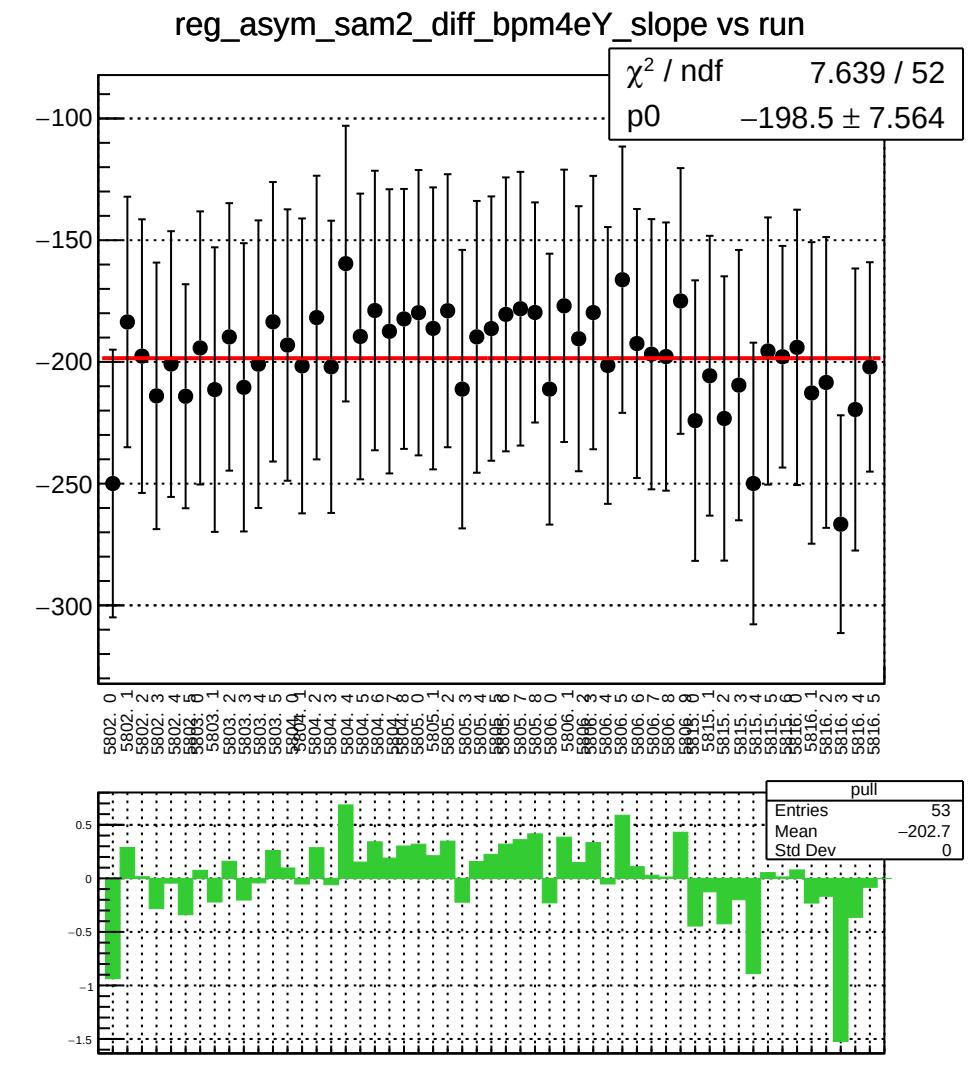

pull1D
Entries 53
Mean 0.0005349
Std Dev 0.1789

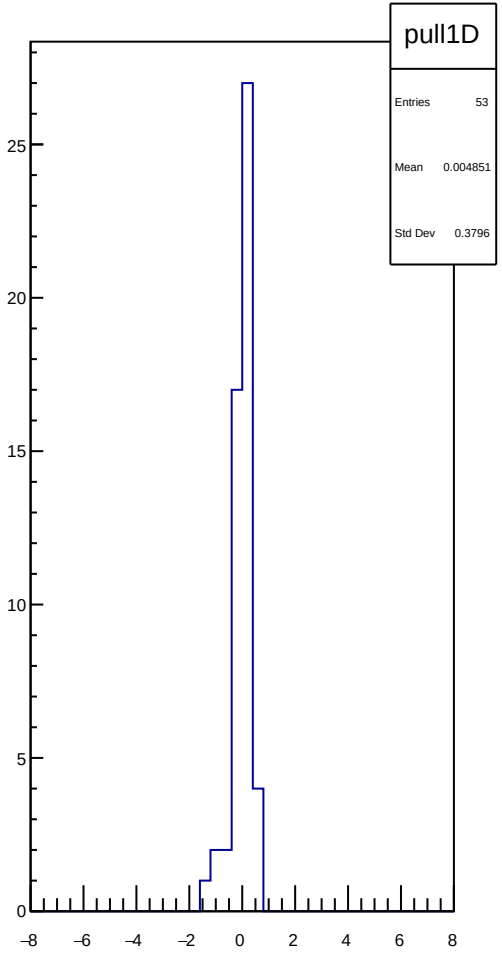

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.515 / 52
p0 −98.58 ± 6.924
pull
Entries 53
Mean −192.2
Std Dev 0

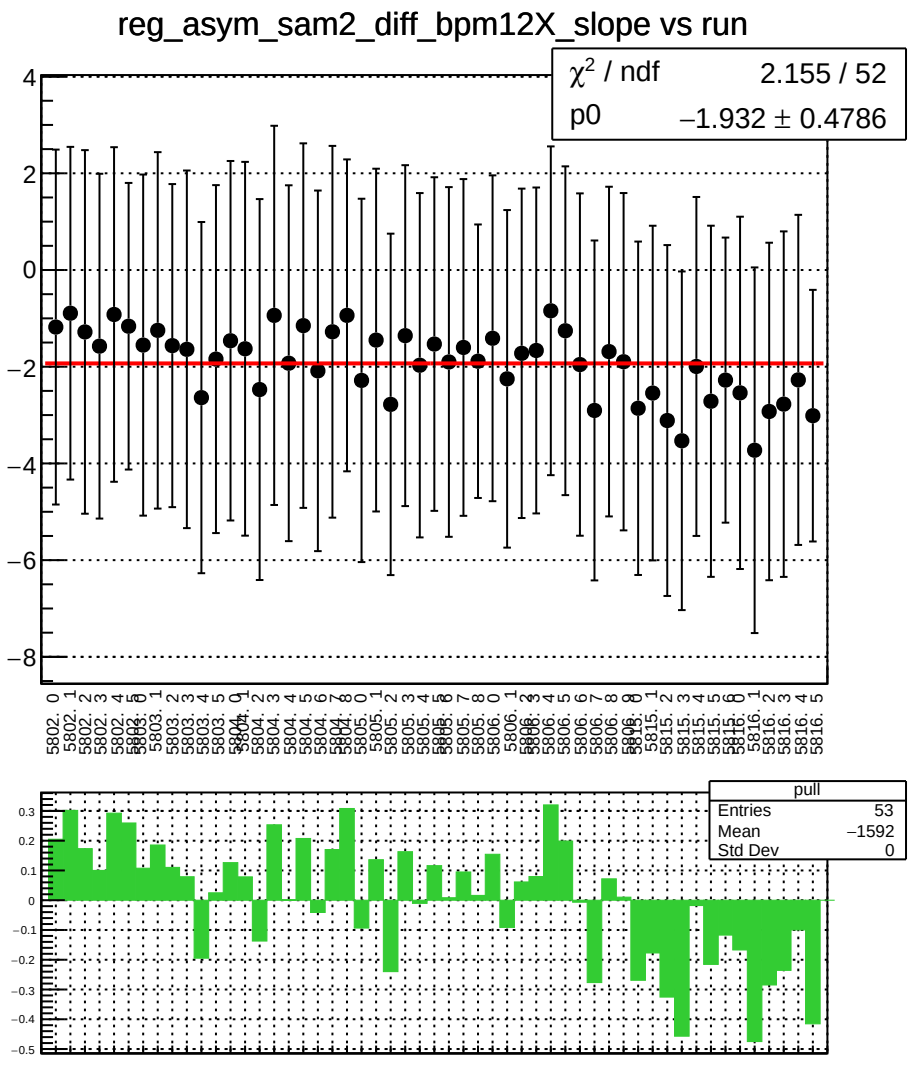

pull1D
Entries 53
Mean −0.004155
Std Dev 0.3765

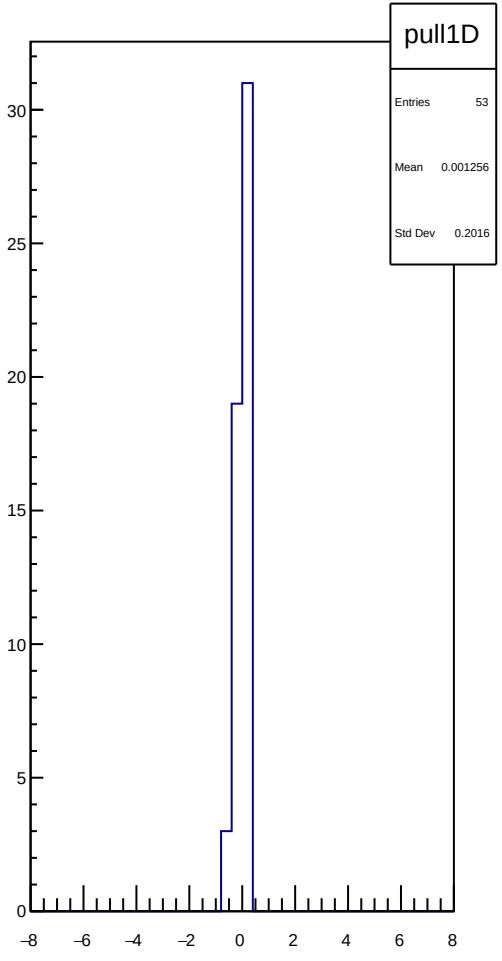

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.728 / 52
p0 −251.9 ± 6.121
pull
Entries 53
Mean −483.5
Std Dev 0

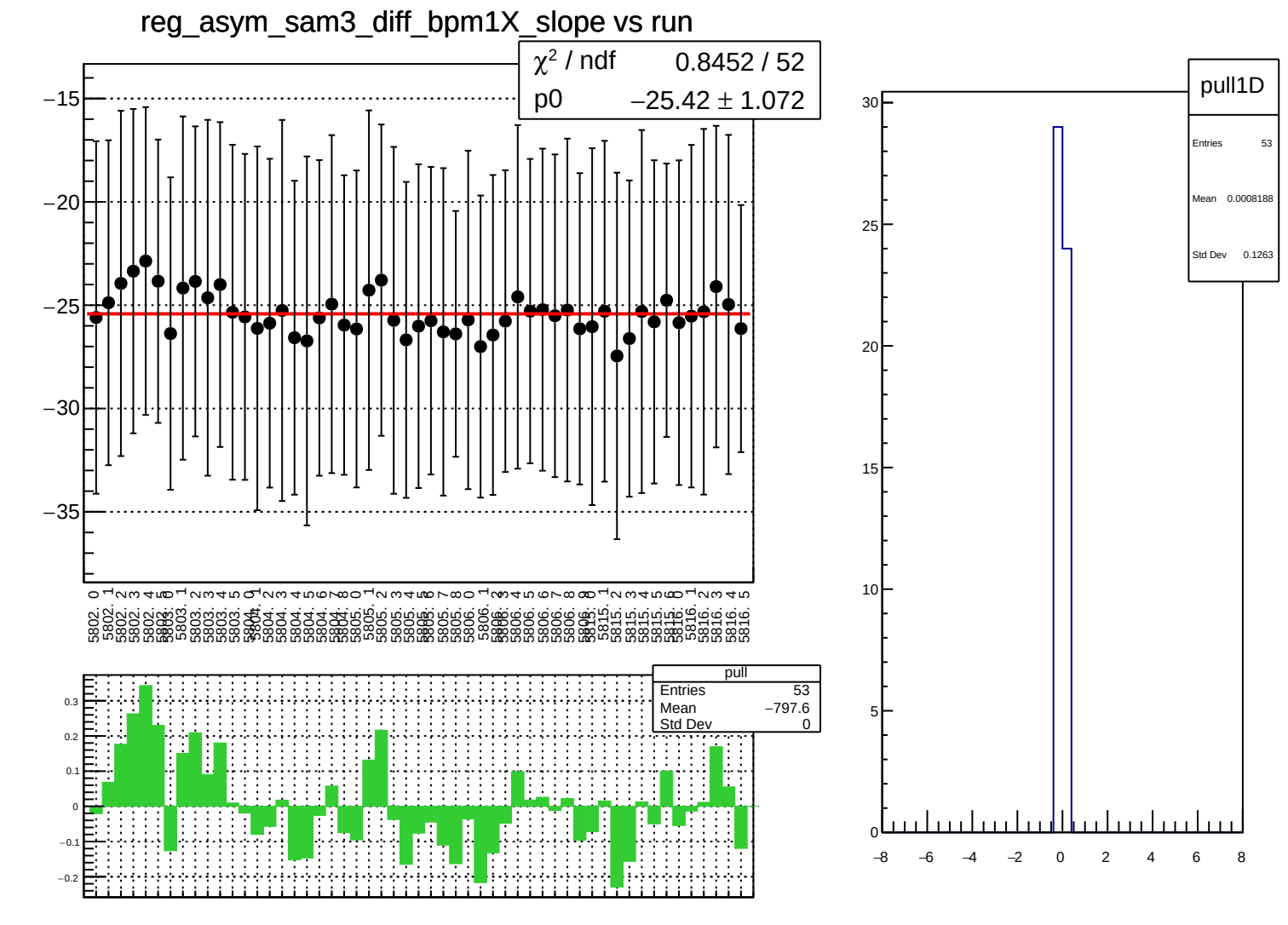

pull1D
Entries 53
Mean −0.002751
Std Dev 0.1805

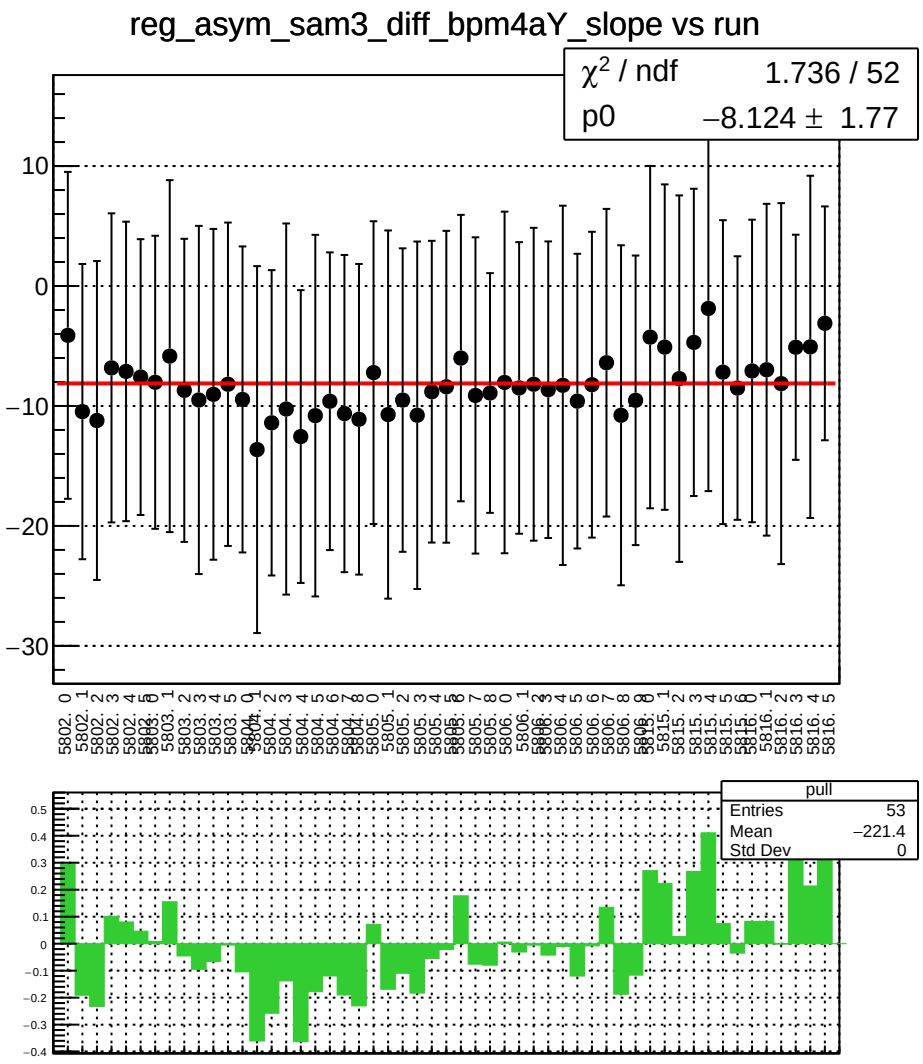

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.639 / 52
p0 −198.5 ± 7.564
−100
−150
−200
−250
−300
pull
Entries 53
Mean −202.7
Std Dev 0
0.5
0
−0.5
−1
−1.5

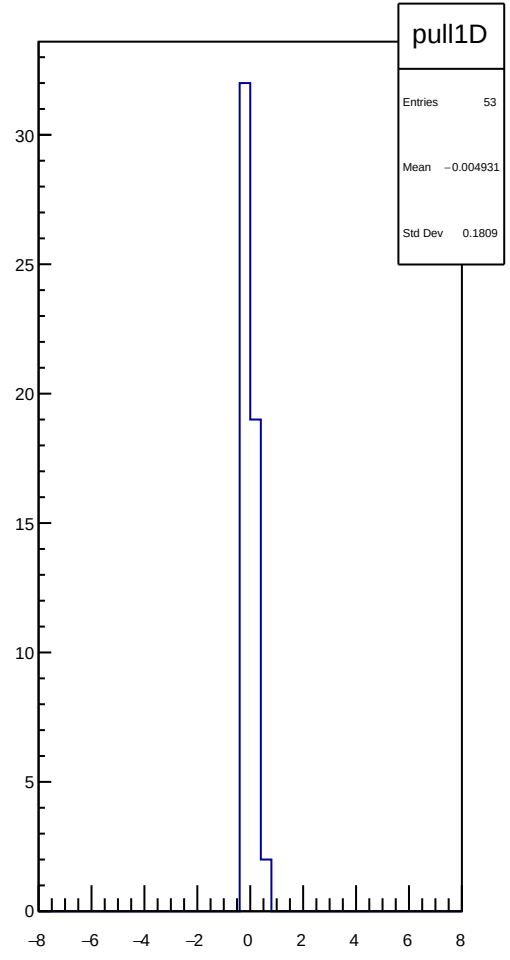

pull1D
Entries 53
Mean 0.004851
Std Dev 0.3796
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

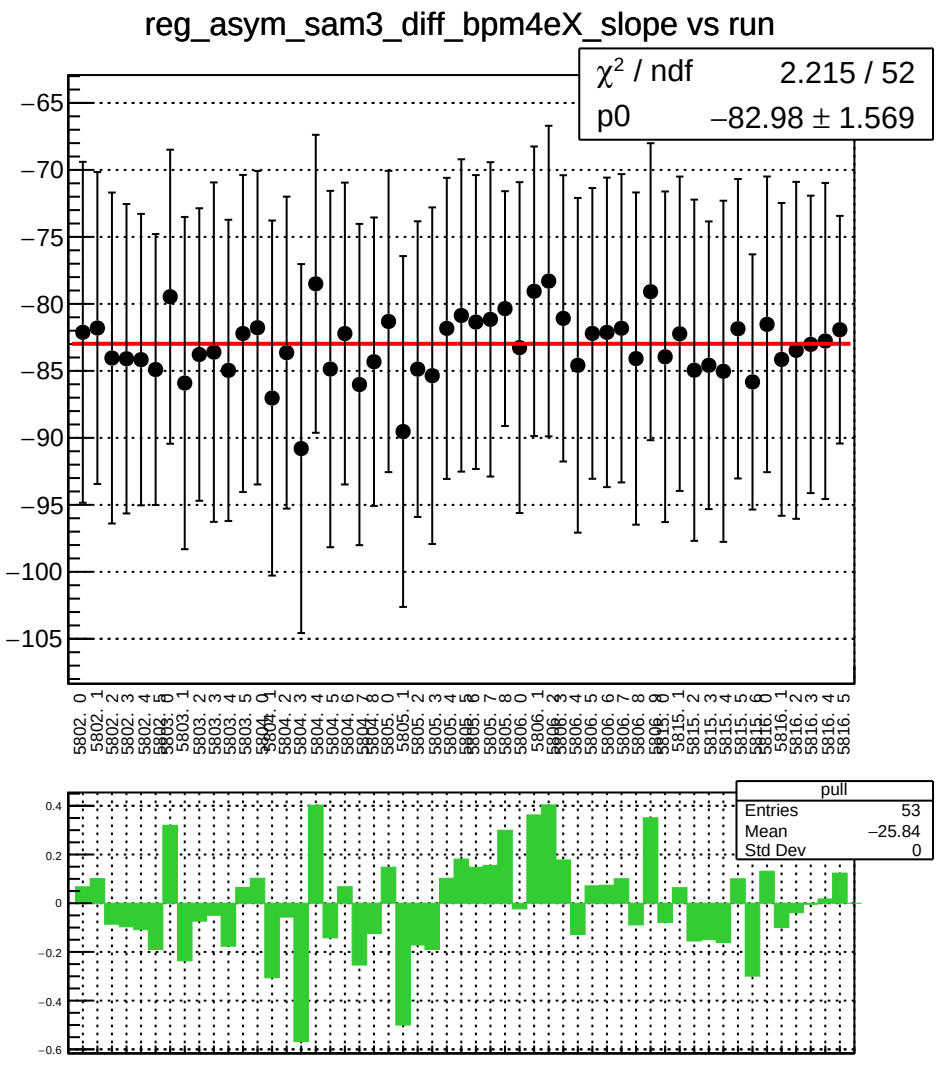

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.155 / 52
p0 −1.932 ± 0.4786
pull
Entries 53
Mean −1592
Std Dev 0

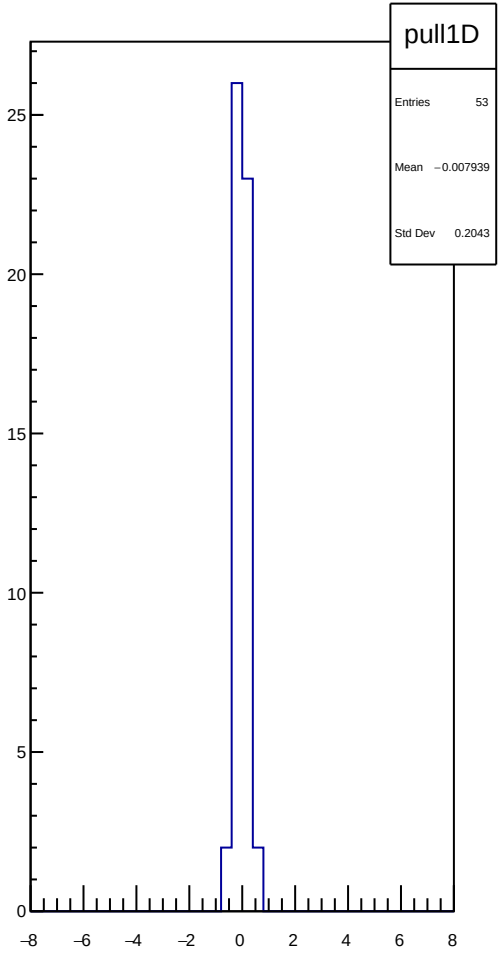

pull1D
Entries 53
Mean 0.001256
Std Dev 0.2016

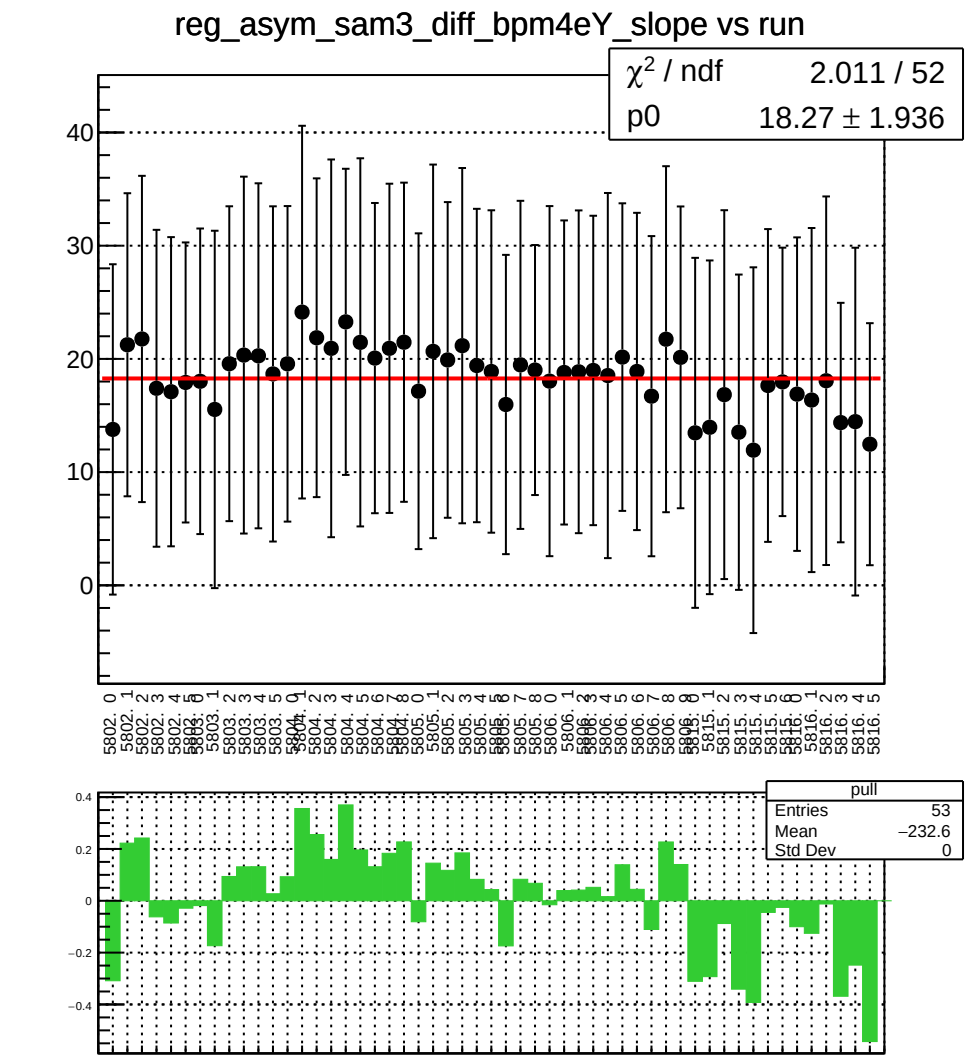

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 0.8452 / 52
p0 −25.42 ± 1.072
pull
Entries 53
Mean −797.6
Std Dev 0
pull1D
Entries 53
Mean 0.0008188
Std Dev 0.1263

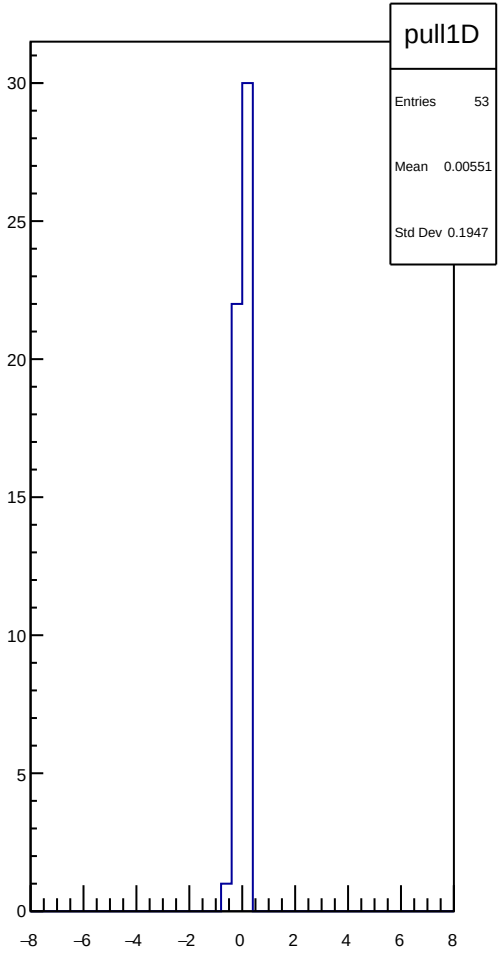

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.736 / 52
p0 −8.124 ± 1.77
pull
Entries 53
Mean −221.4
Std Dev 0

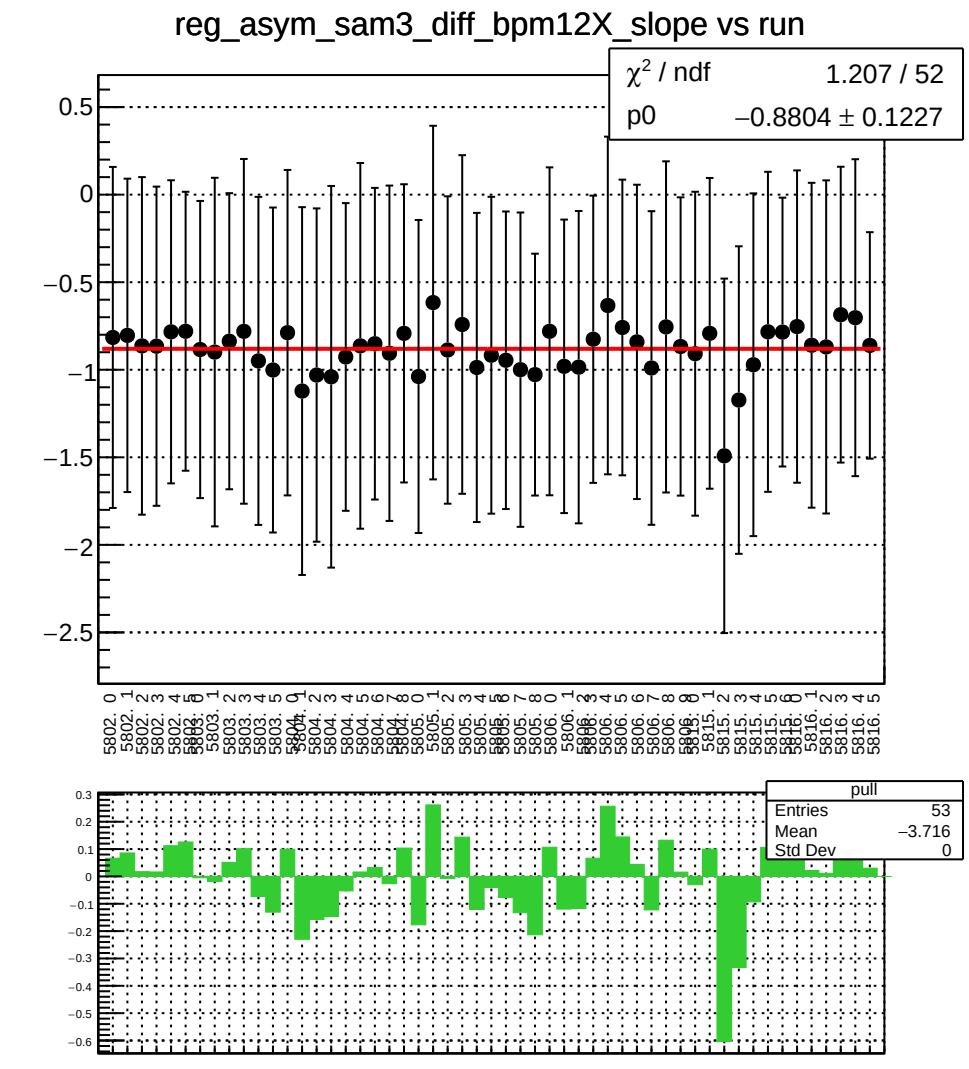

pull1D
Entries 53
Mean −0.004931
Std Dev 0.1809

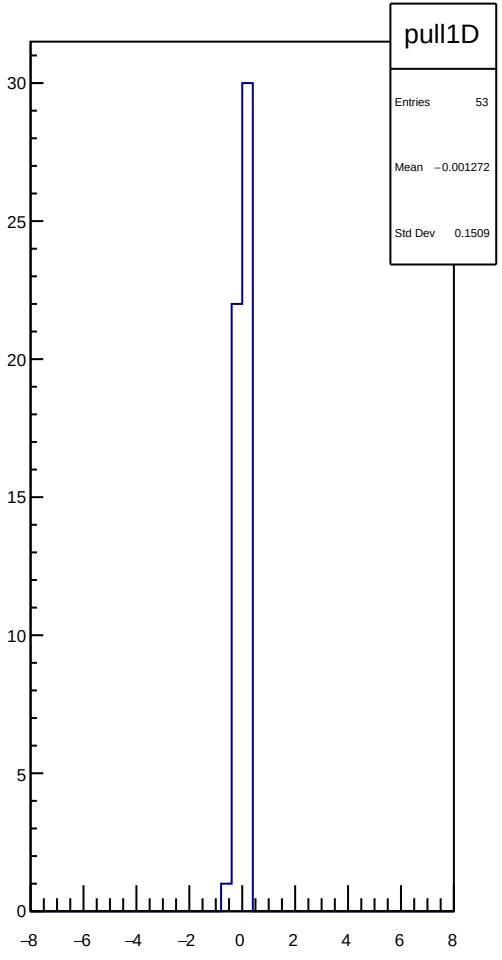

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.215 / 52
p0 −82.98 ± 1.569
pull
Entries 53
Mean −25.84
Std Dev 0

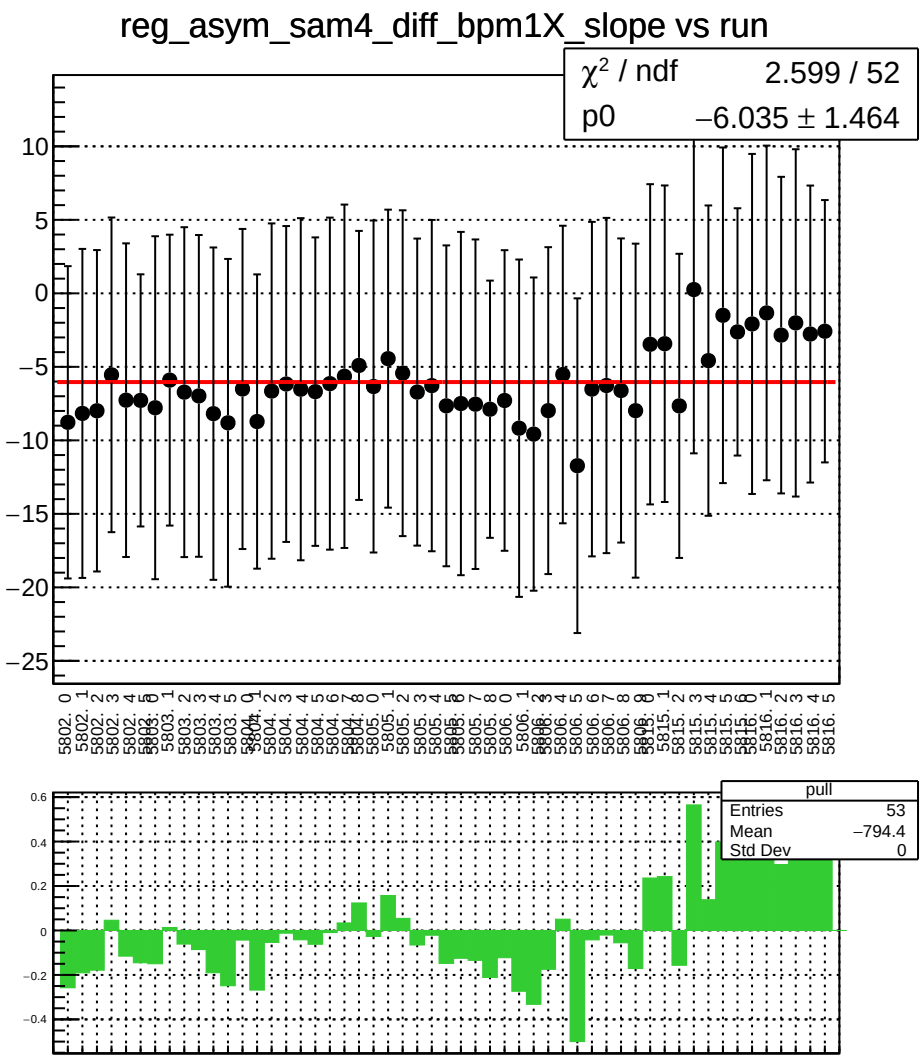

pull1D
Entries 53
Mean −0.007939
Std Dev 0.2043

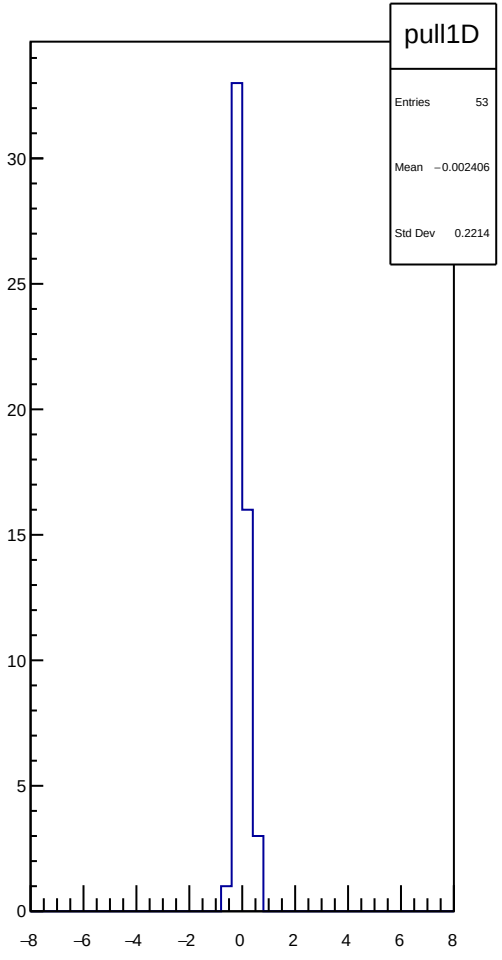

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.011 / 52
p0 18.27 ± 1.936
pull
Entries 53
Mean −232.6
Std Dev 0

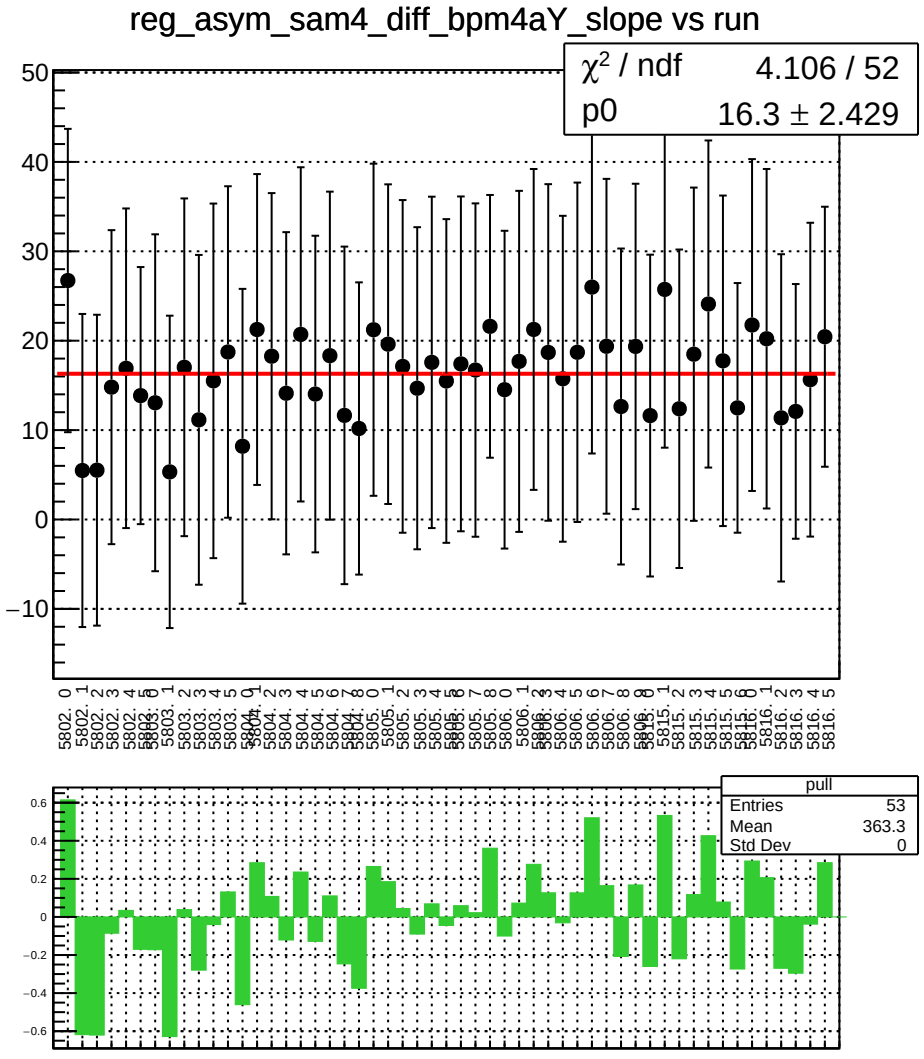

pull1D
Entries 53
Mean 0.00551
Std Dev 0.1947

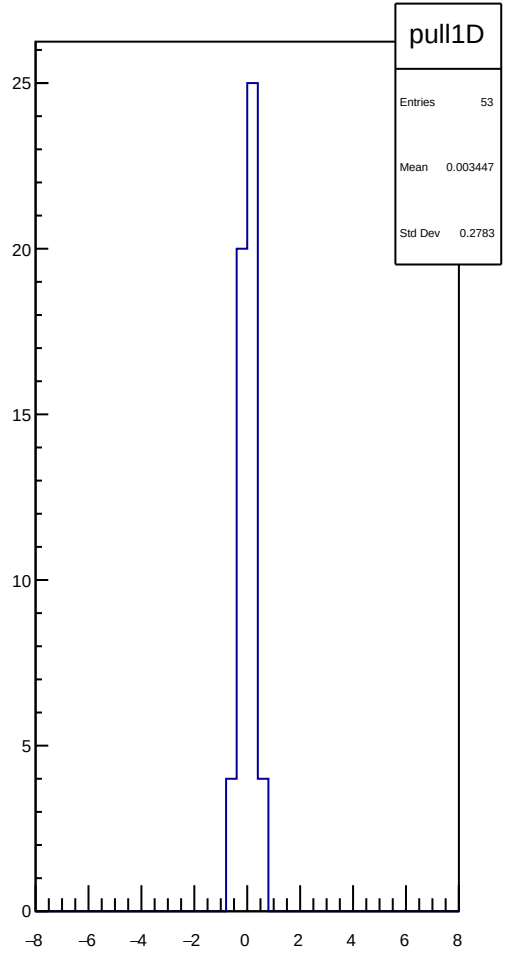

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.207 / 52
p0 −0.8804 ± 0.1227
pull
Entries 53
Mean −3.716
Std Dev 0

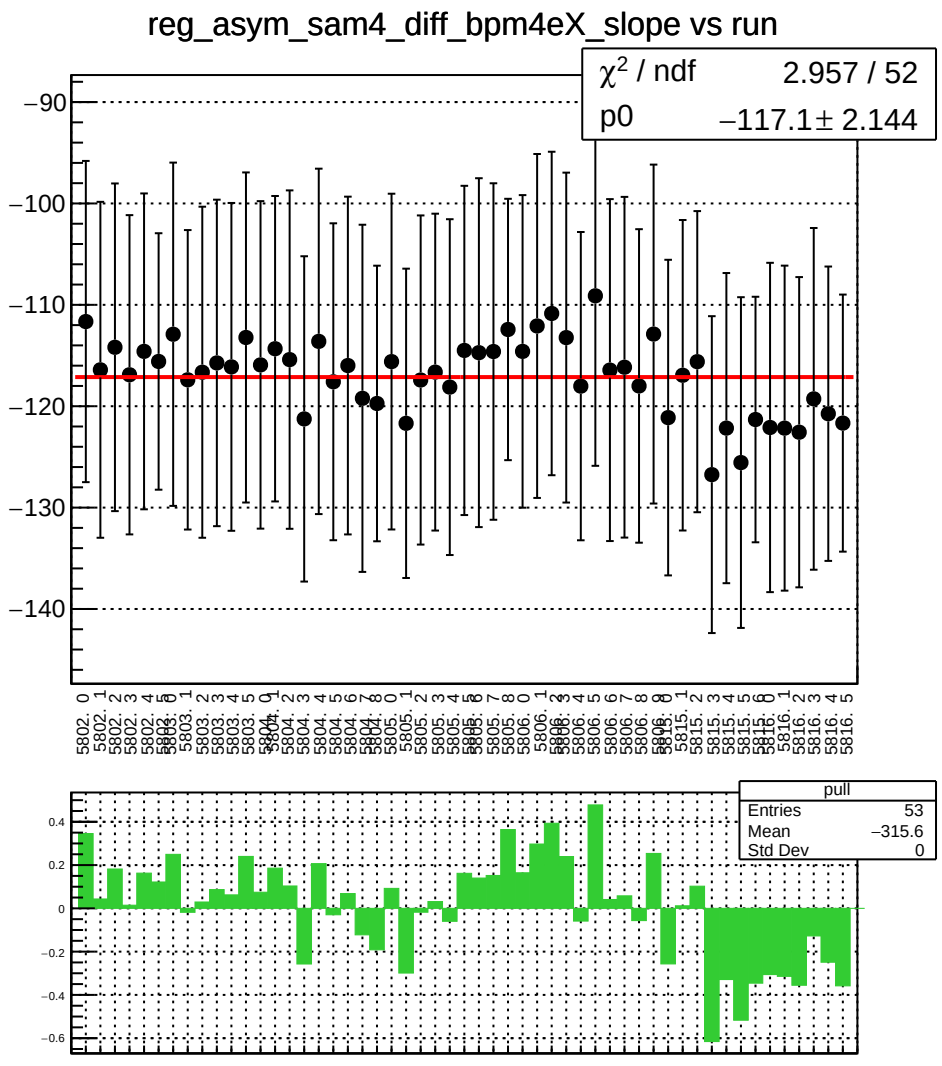

pull1D
Entries 53
Mean −0.001272
Std Dev 0.1509

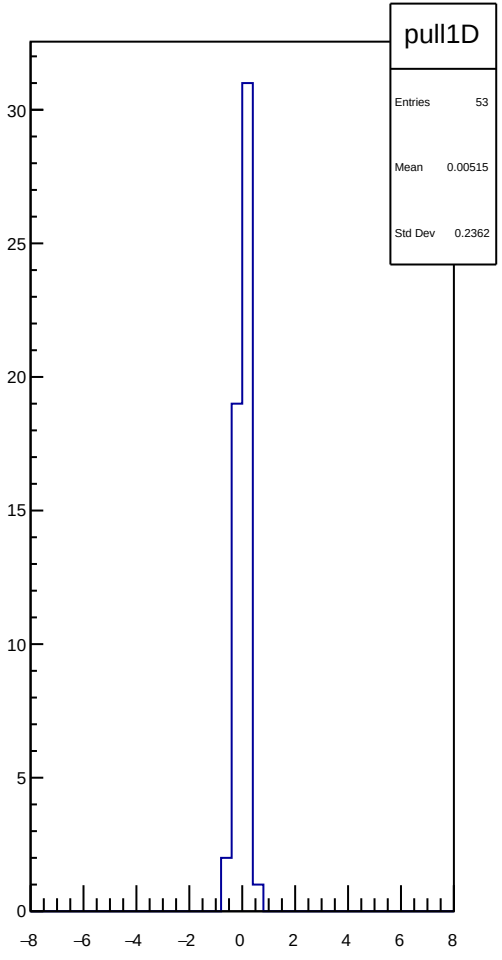

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 2.599 / 52
p0 −6.035 ± 1.464
pull
Entries 53
Mean −794.4
Std Dev 0

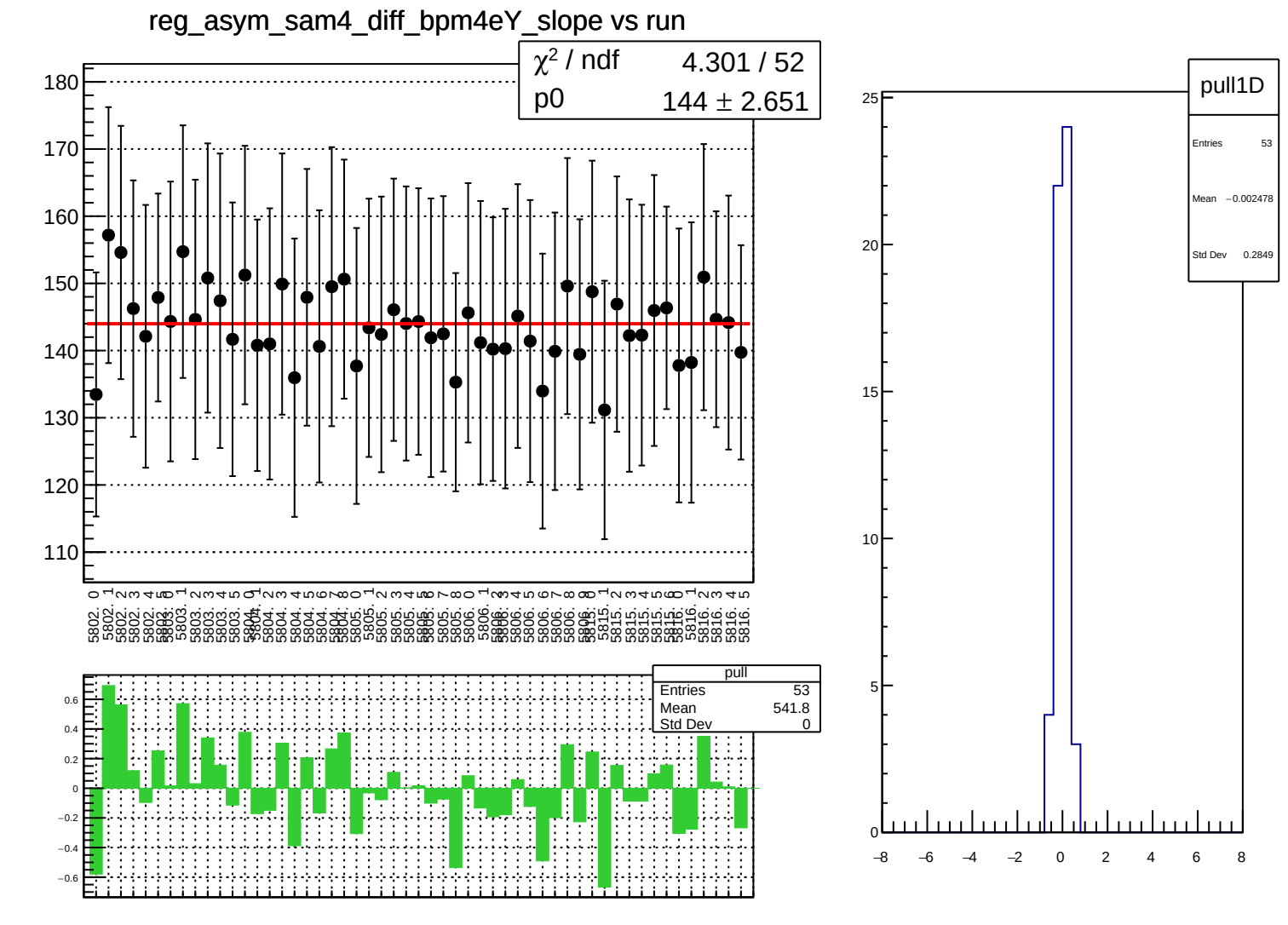

pull1D
Entries 53
Mean −0.002406
Std Dev 0.2214

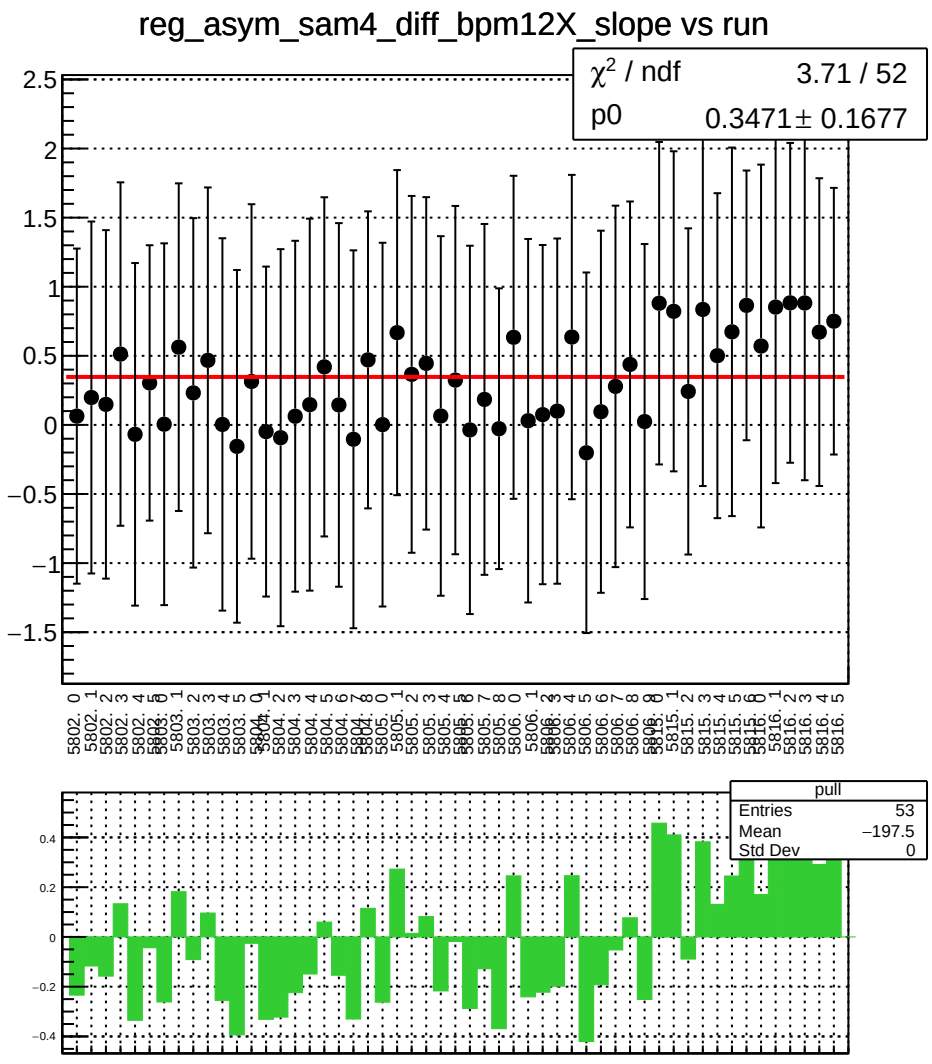

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.106 / 52
p0 16.3 ± 2.429
pull
Entries 53
Mean 363.3
Std Dev 0

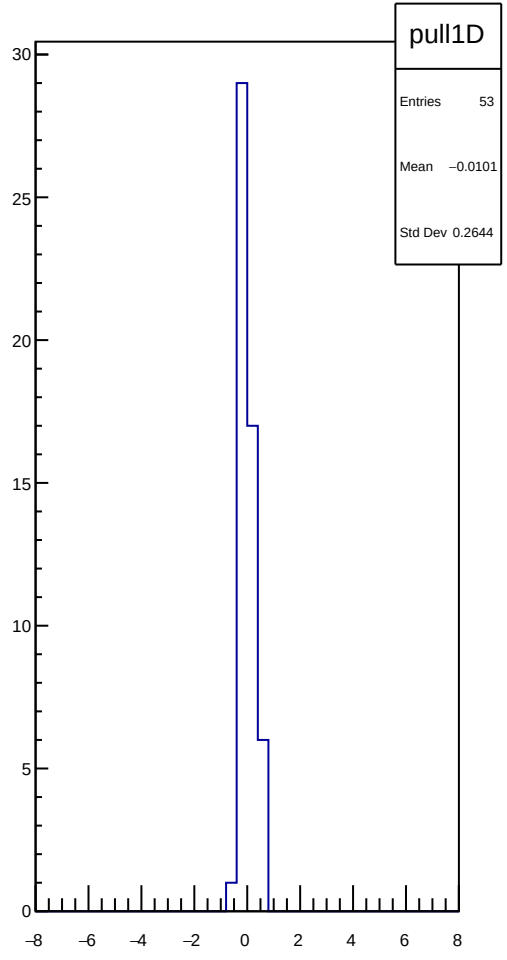

pull1D
Entries 53
Mean 0.003447
Std Dev 0.2783

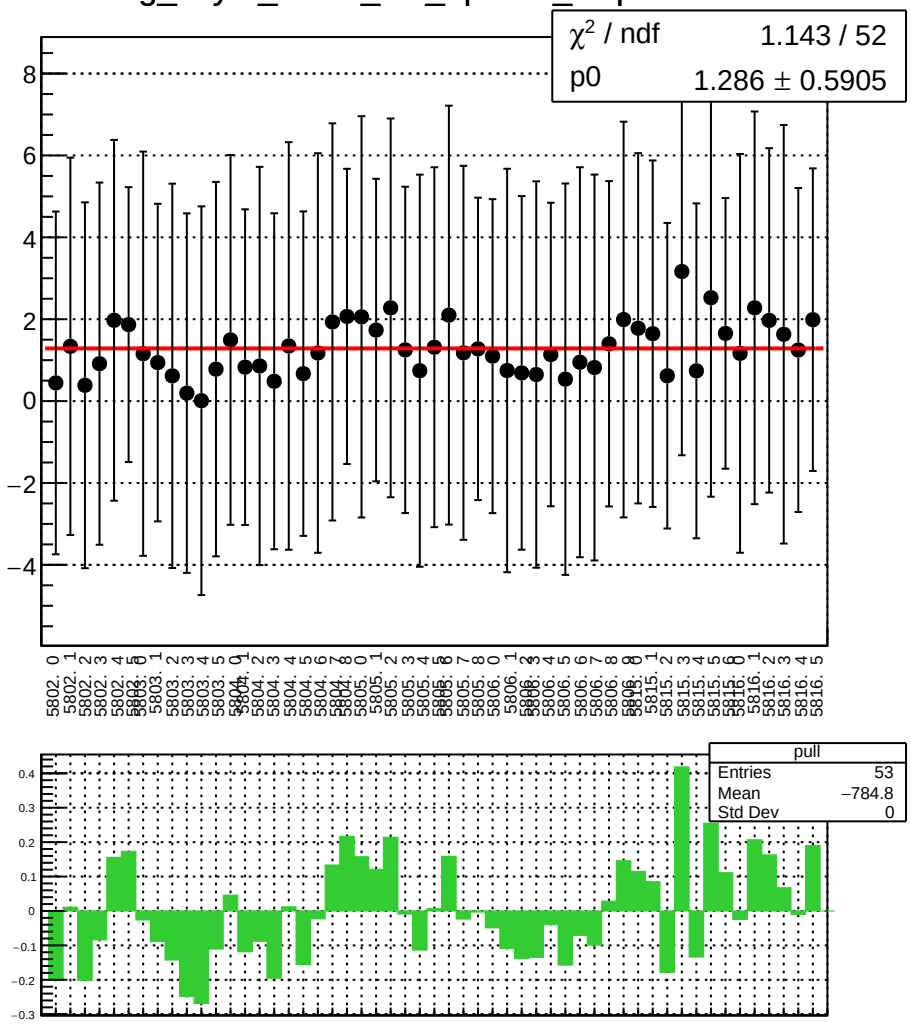

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 2.957 / 52
p0 −117.1 ± 2.144
pull
Entries 53
Mean −315.6
Std Dev 0

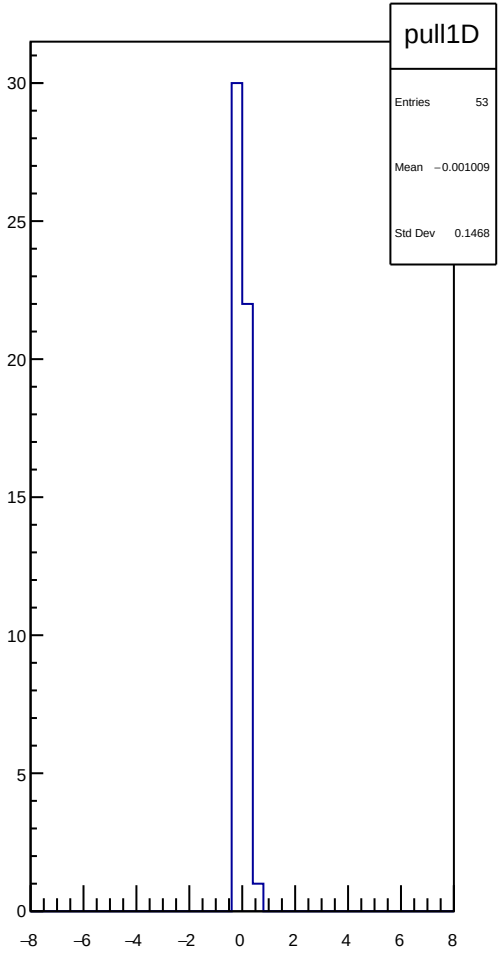

pull1D
Entries 53
Mean 0.00515
Std Dev 0.2362

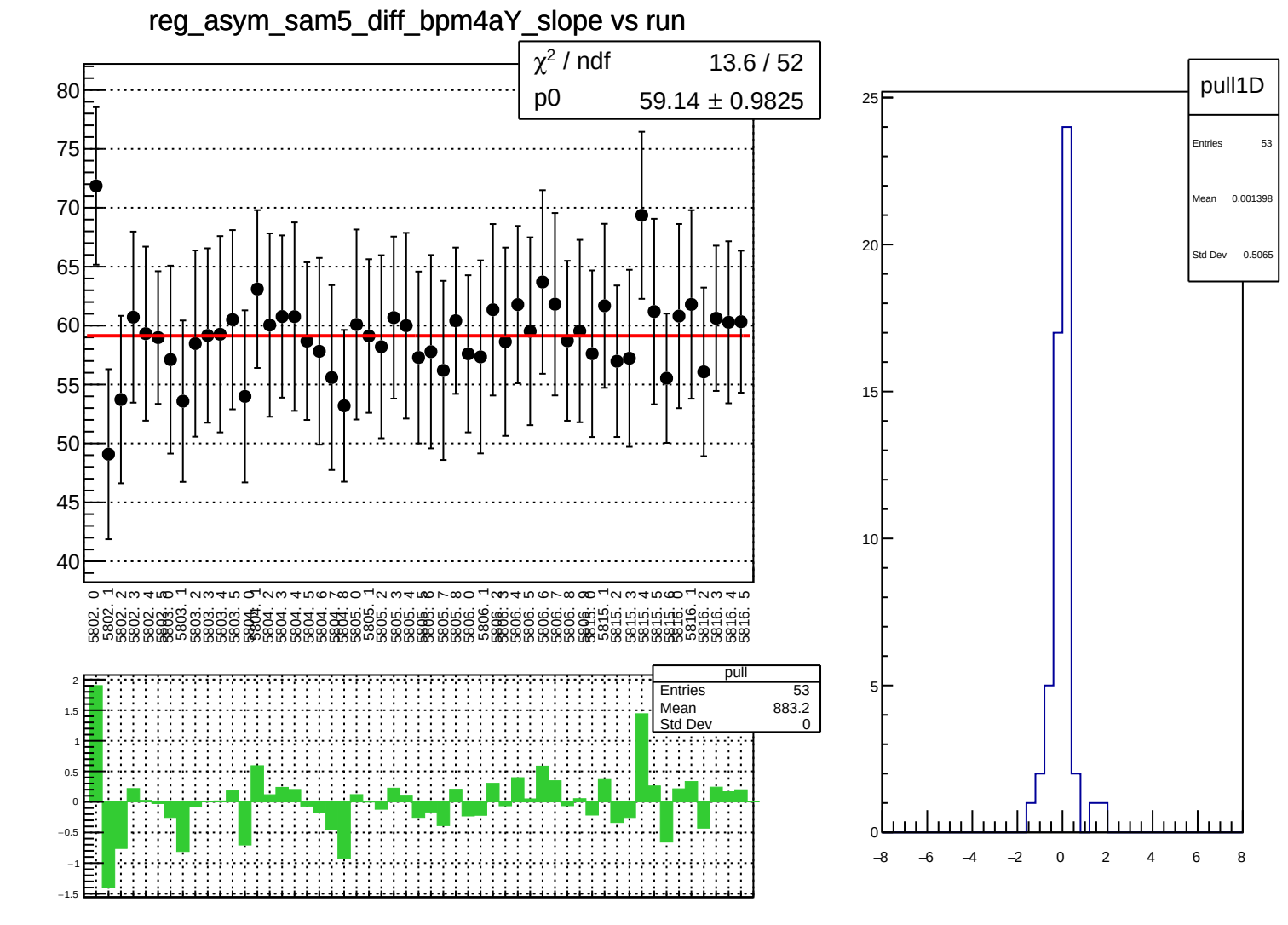

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.301 / 52
p0 144 ± 2.651
pull
Entries 53
Mean 541.8
Std Dev 0
pull1D
Entries 53
Mean −0.002478
Std Dev 0.2849

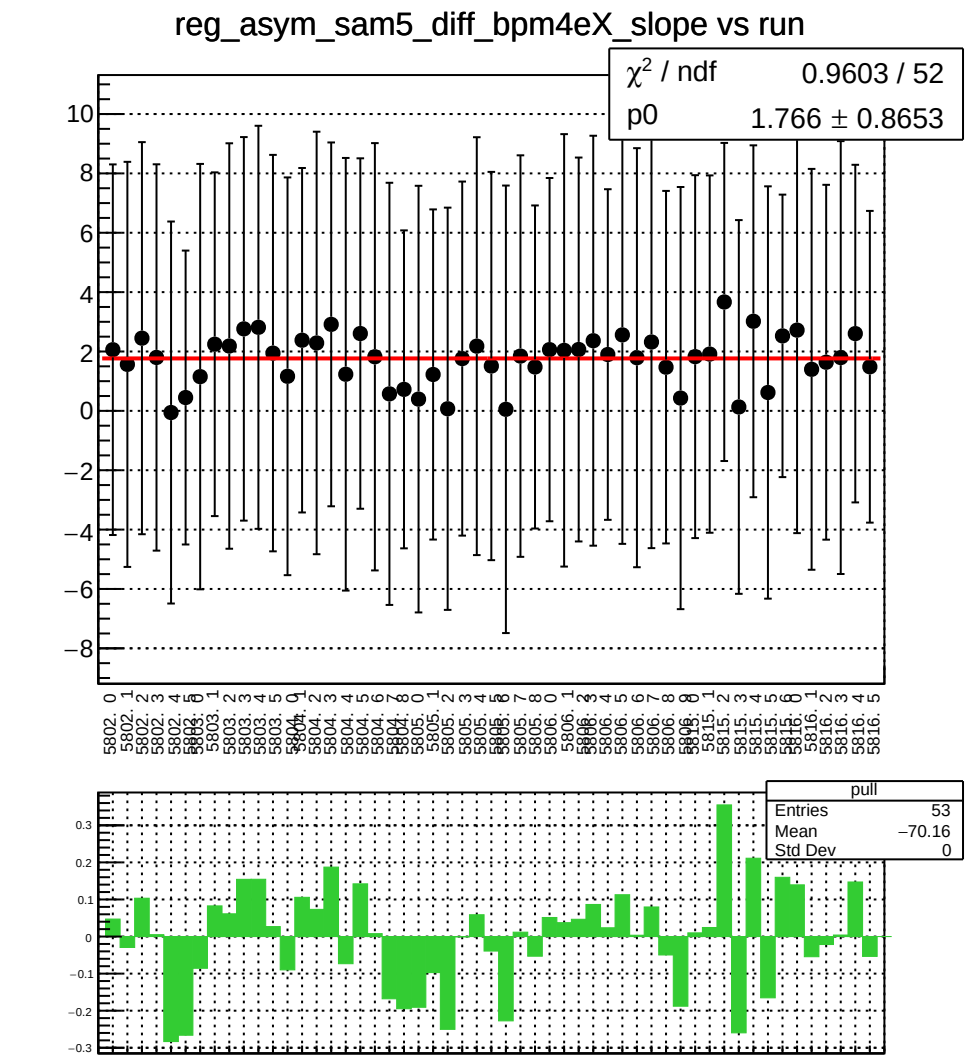

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.71 / 52
p0 0.3471± 0.1677
pull
Entries 53
Mean −197.5
Std Dev 0

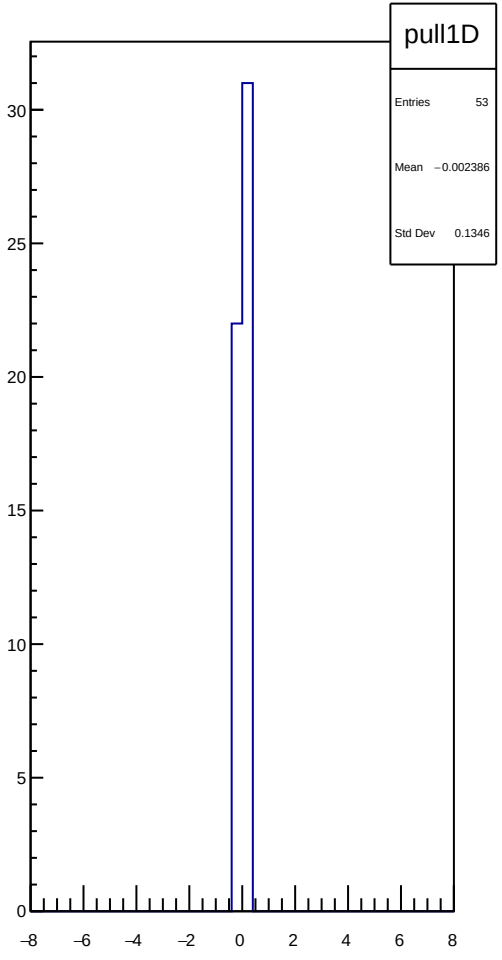

pull1D
Entries 53
Mean −0.0101
Std Dev 0.2644

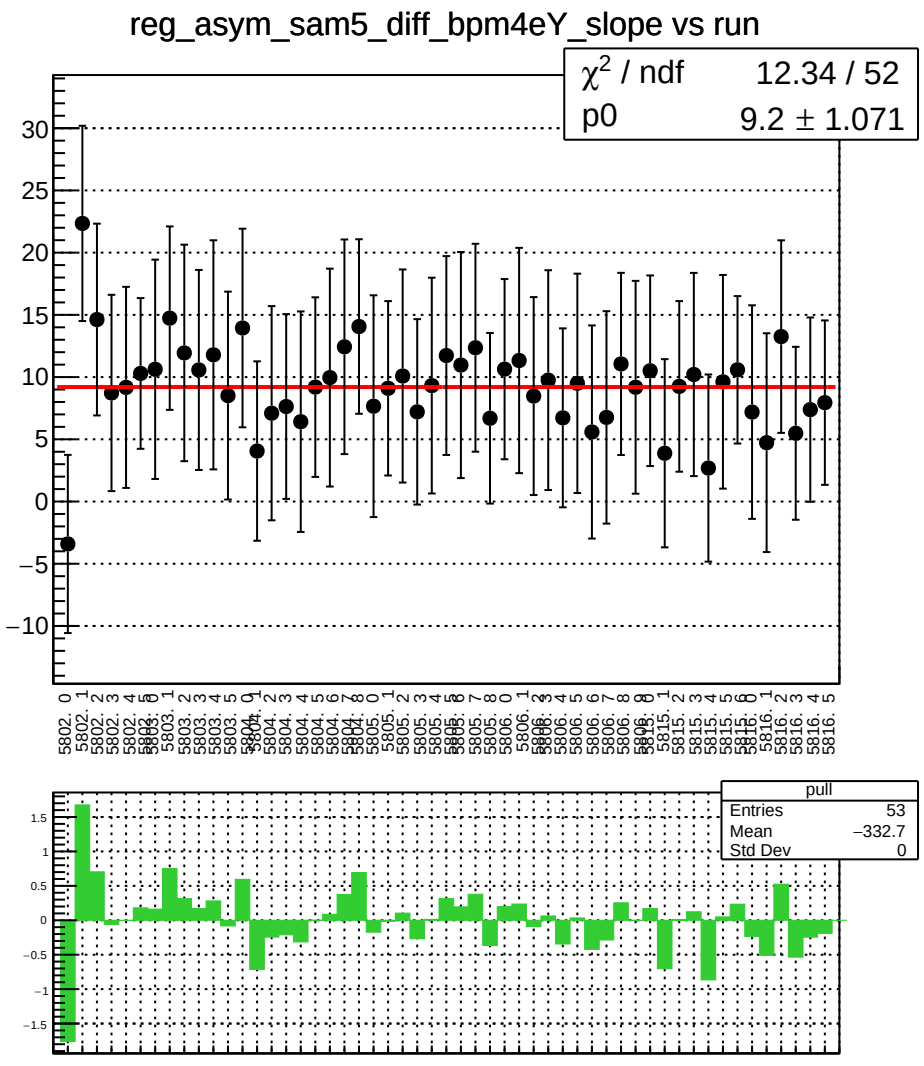

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 1.143 / 52
p0 1.286 ± 0.5905
pull
Entries 53
Mean −784.8
Std Dev 0

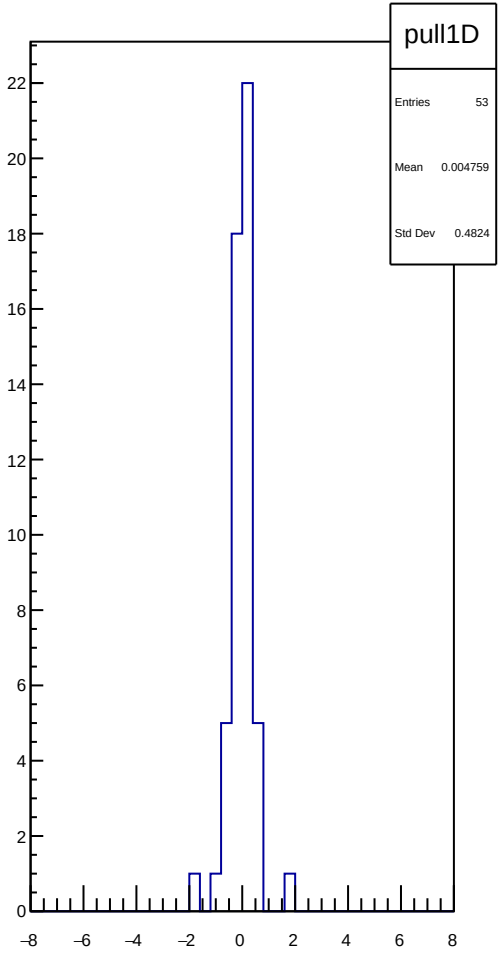

pull1D
Entries 53
Mean −0.001009
Std Dev 0.1468

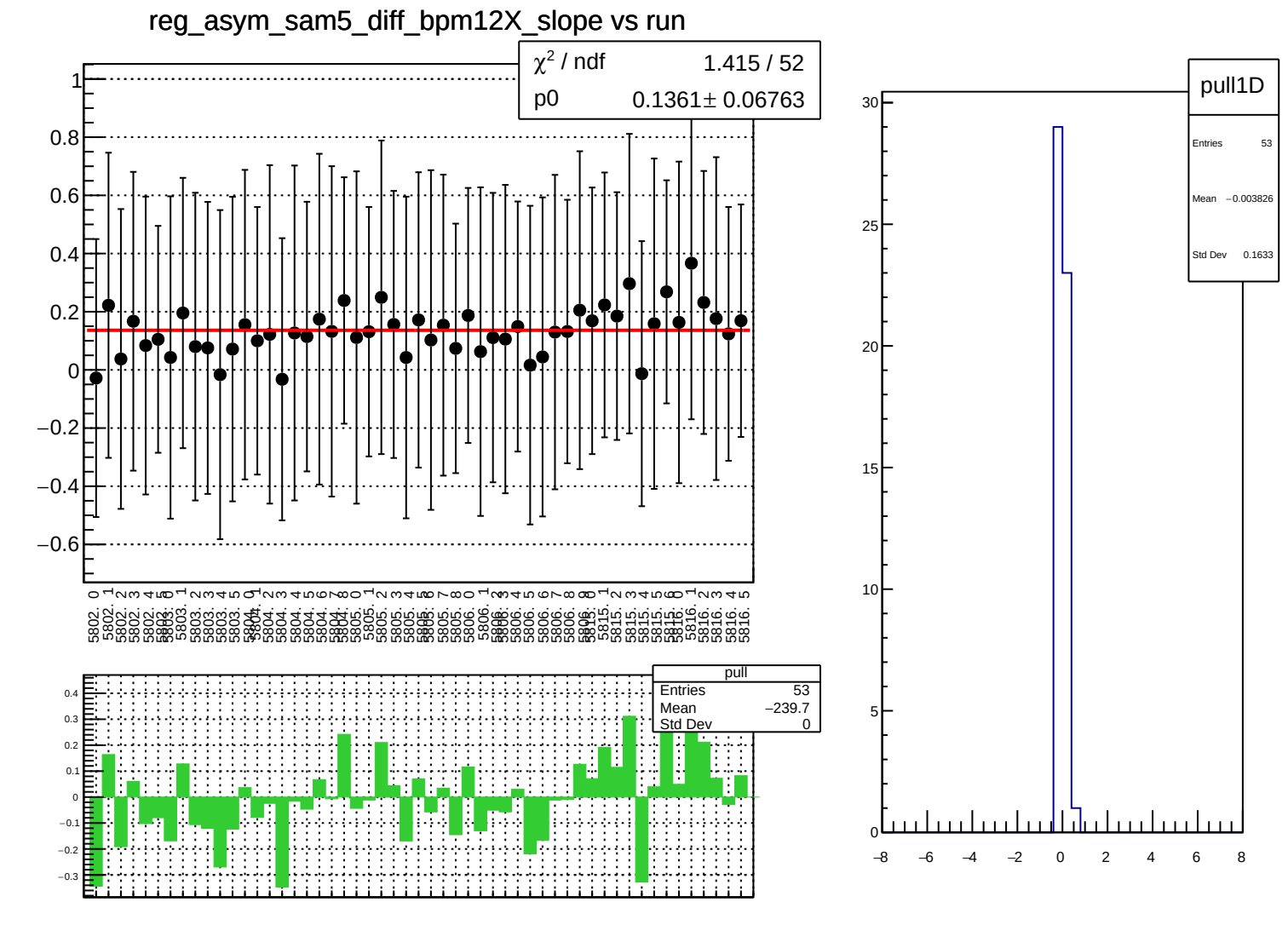

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 13.6 / 52
p0 59.14 ± 0.9825
pull
Entries 53
Mean 883.2
Std Dev 0
pull1D
Entries 53
Mean 0.001398
Std Dev 0.5065

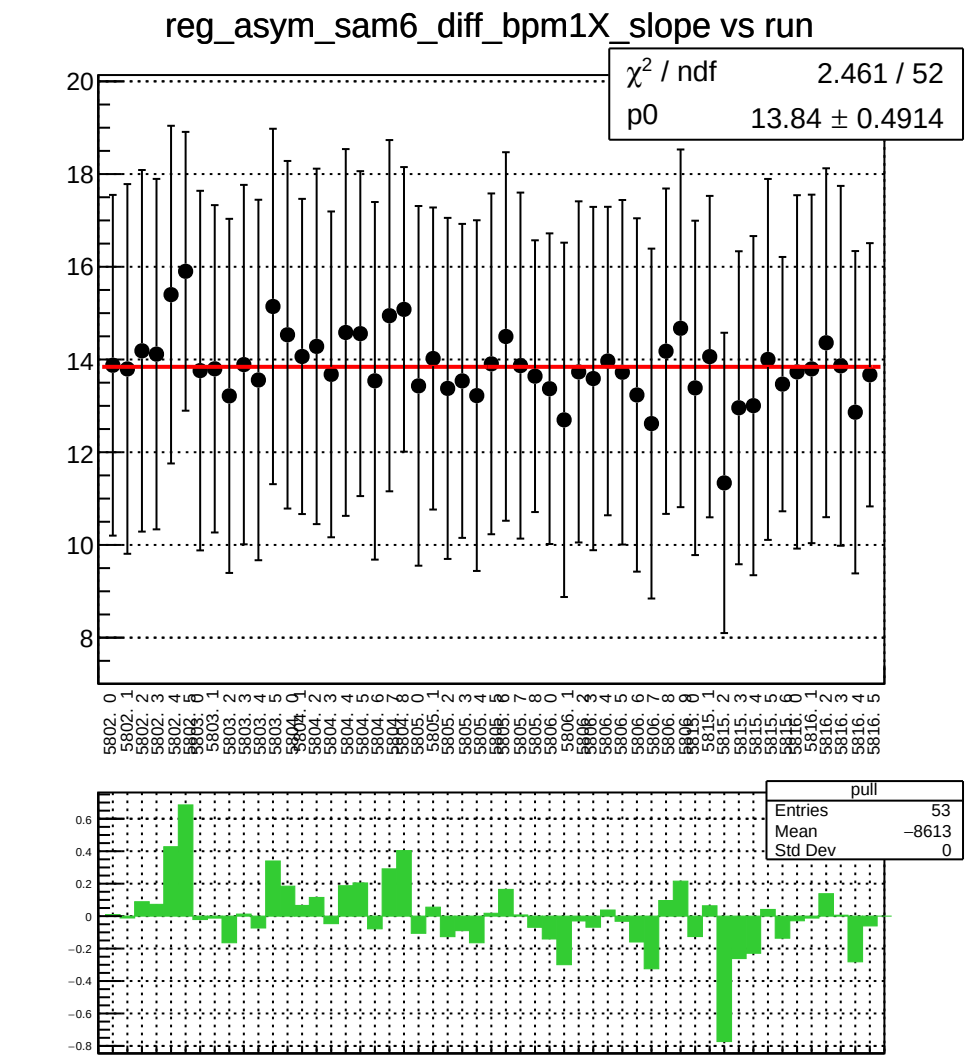

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.9603 / 52
p0 1.766 ± 0.8653
pull
Entries 53
Mean −70.16
Std Dev 0

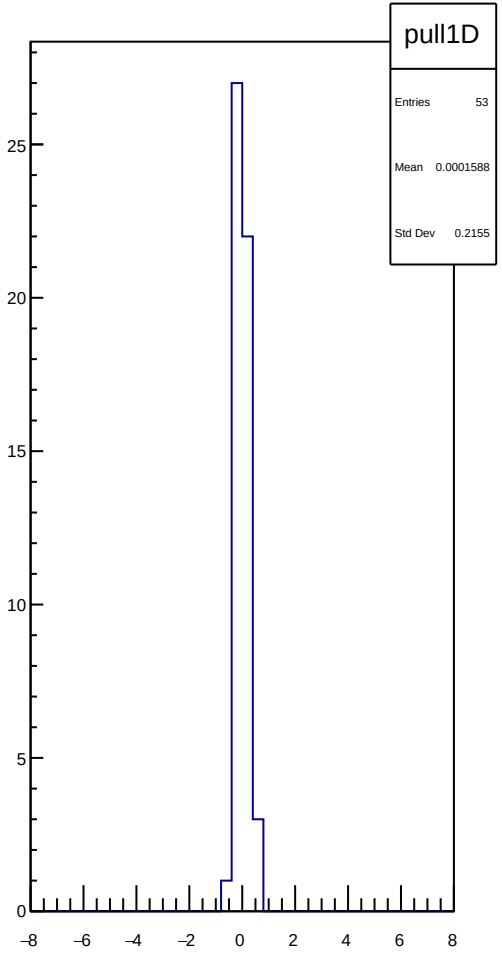

pull1D
Entries 53
Mean −0.002386
Std Dev 0.1346

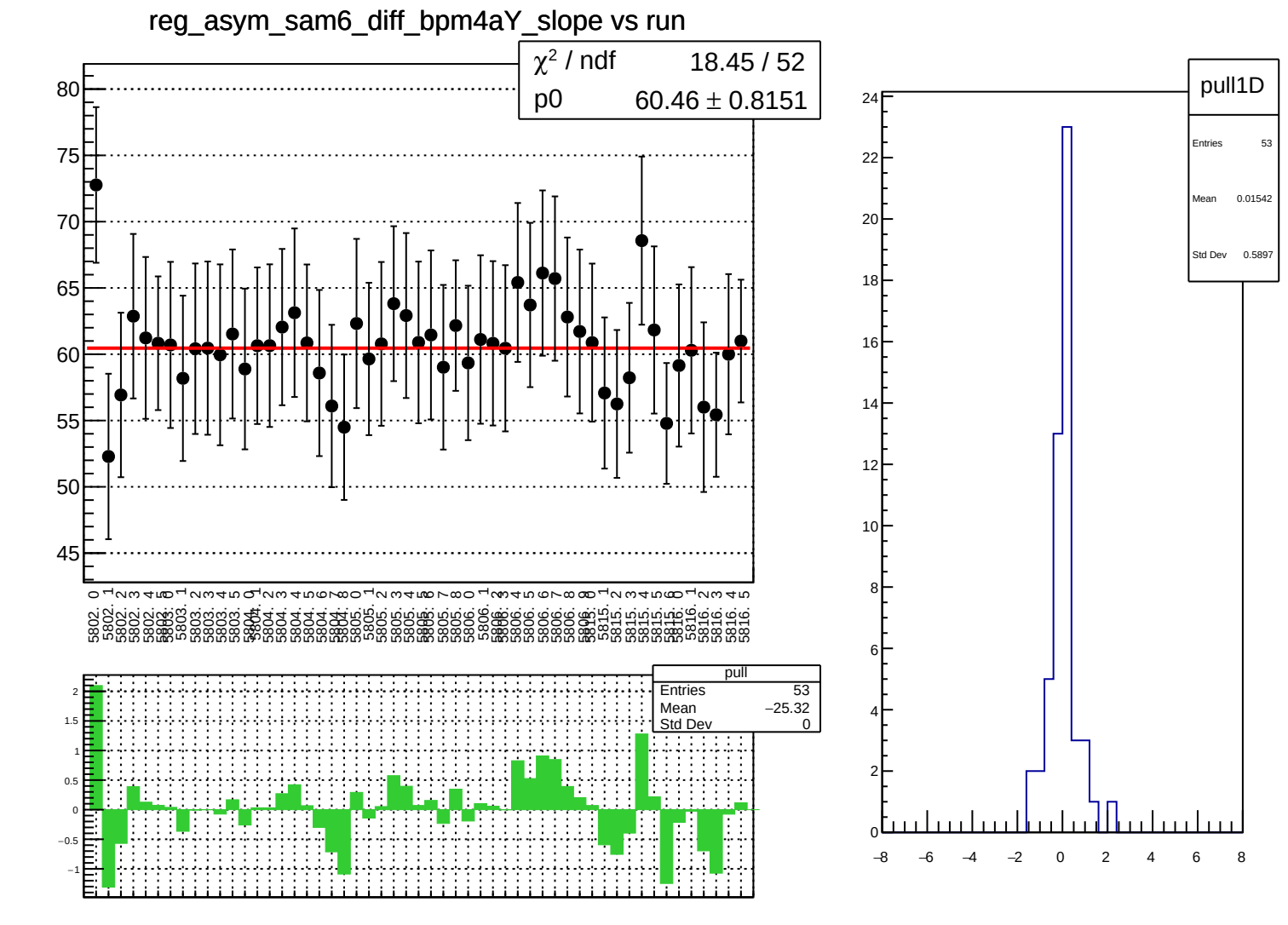

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.34 / 52
p0 9.2 ± 1.071
pull
Entries 53
Mean −332.7
Std Dev 0

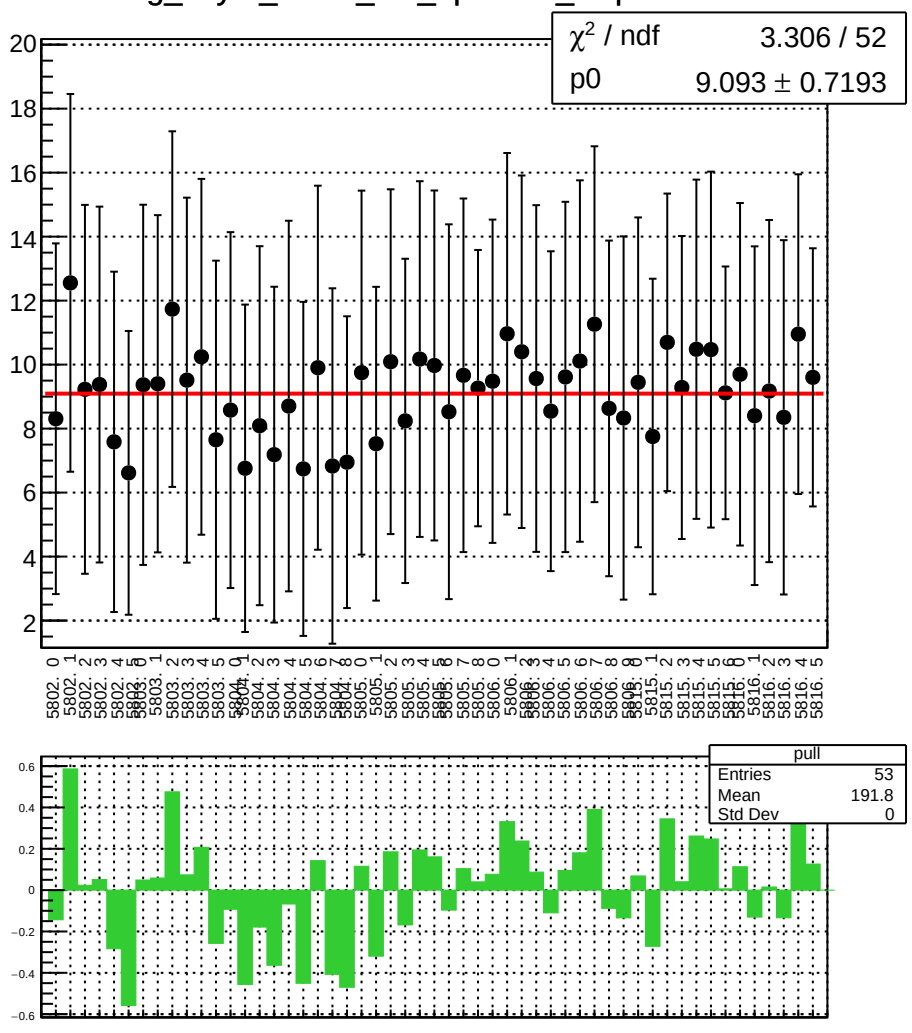

pull1D
Entries 53
Mean 0.004759
Std Dev 0.4824

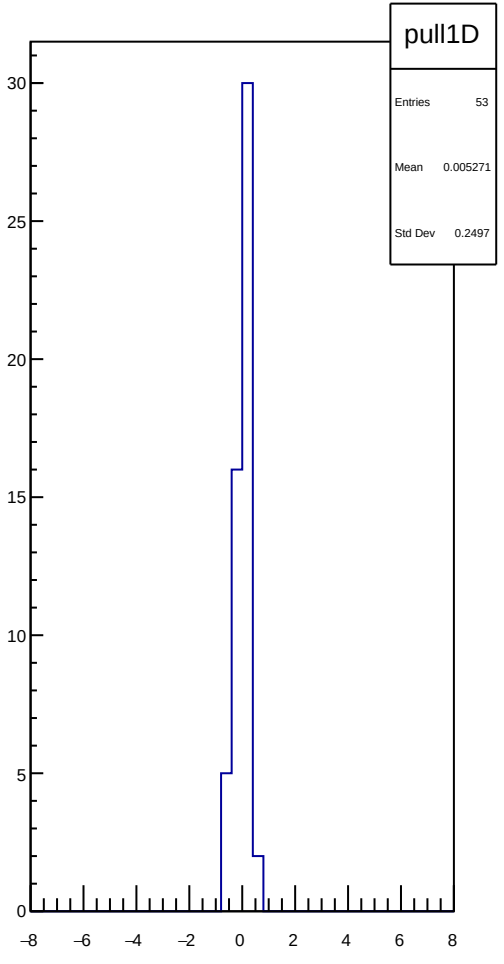

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 1.415 / 52
p0 0.1361± 0.06763
pull
Entries 53
Mean −239.7
Std Dev 0
pull1D
Entries 53
Mean −0.003826
Std Dev 0.1633

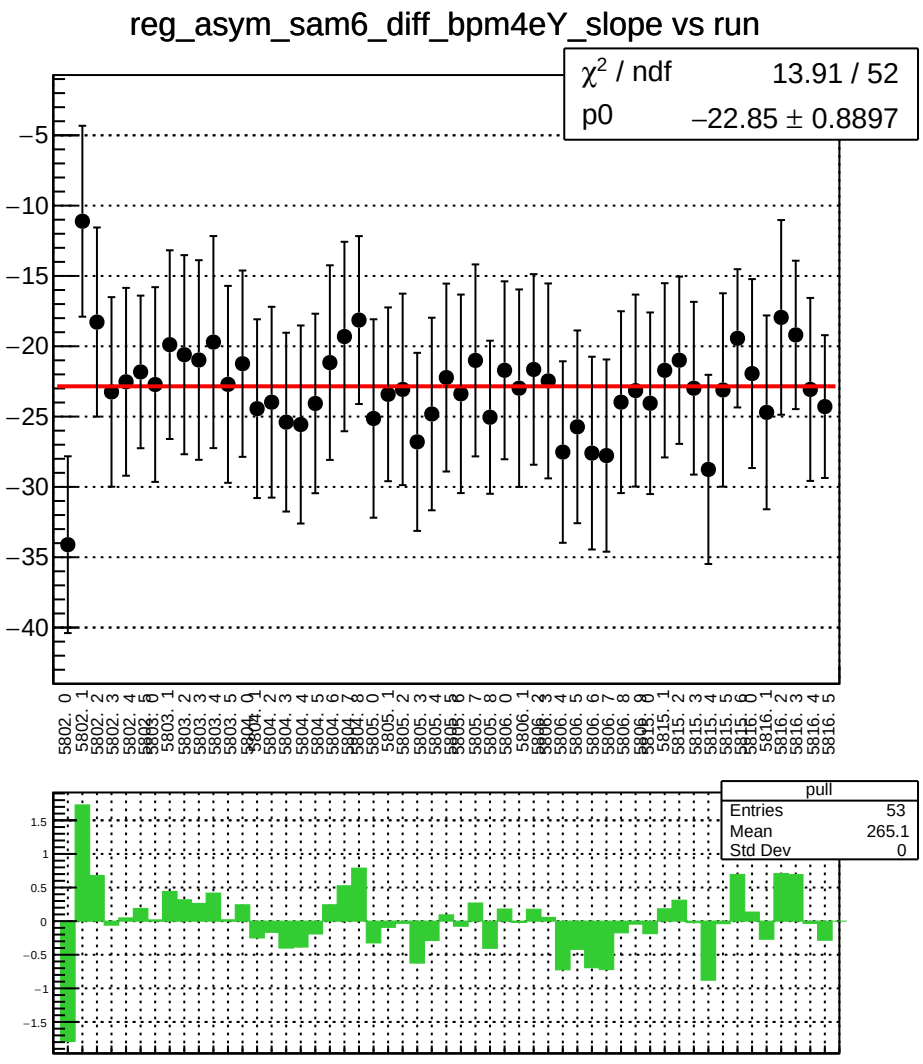

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.461 / 52
p0 13.84 ± 0.4914
pull
Entries 53
Mean −8613
Std Dev 0

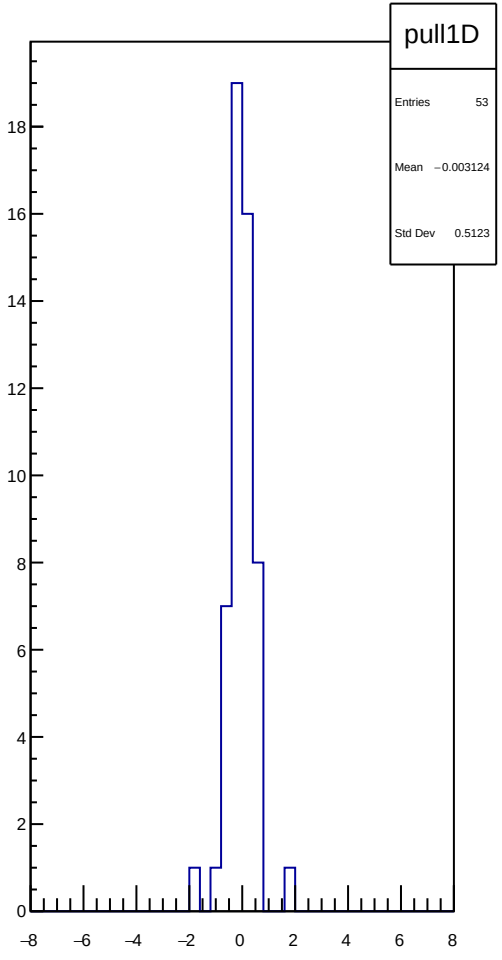

pull1D
Entries 53
Mean 0.0001588
Std Dev 0.2155

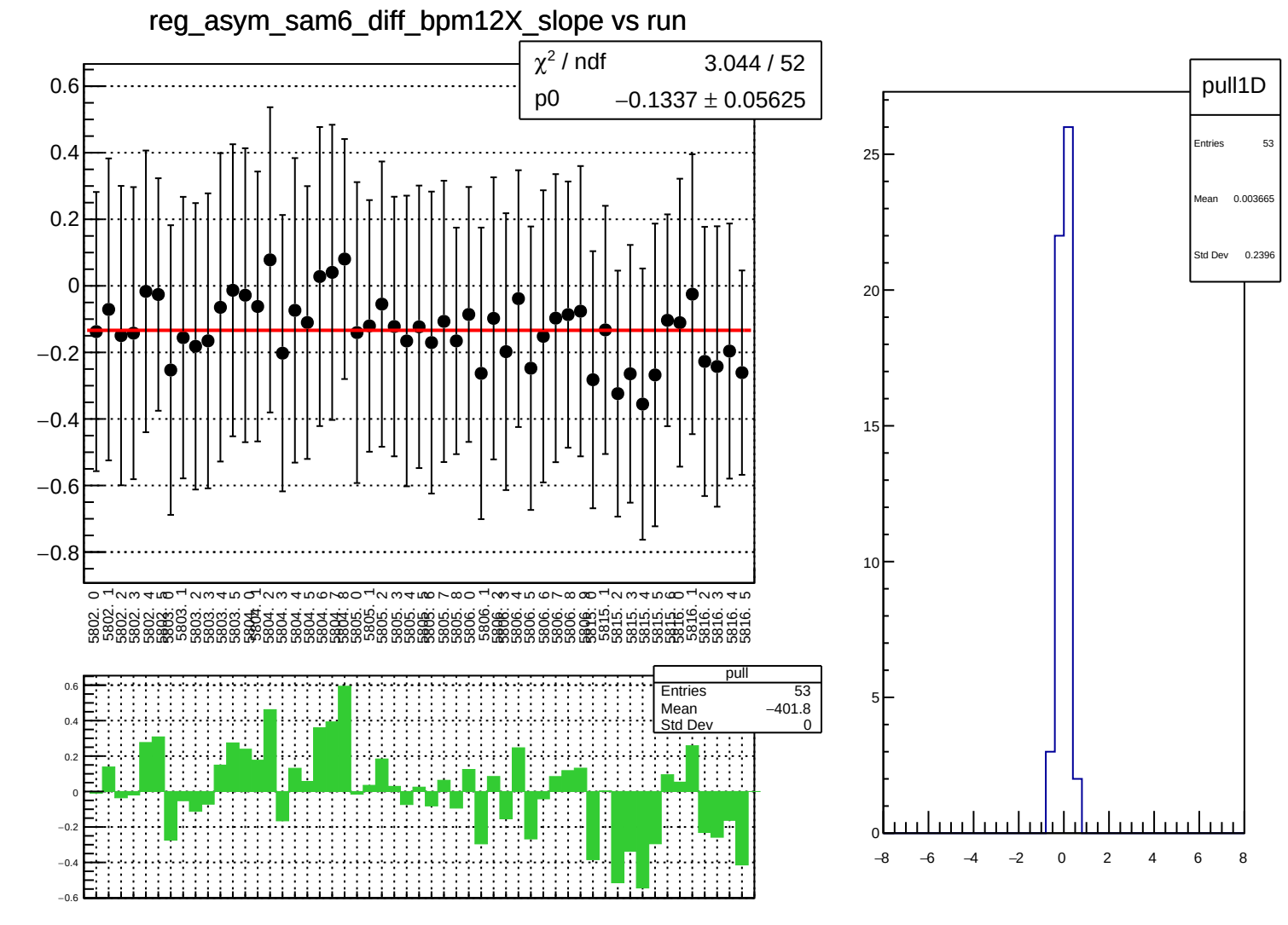

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 18.45 / 52
p0 60.46 ± 0.8151
pull
Entries 53
Mean −25.32
Std Dev 0
pull1D
Entries 53
Mean 0.01542
Std Dev 0.5897

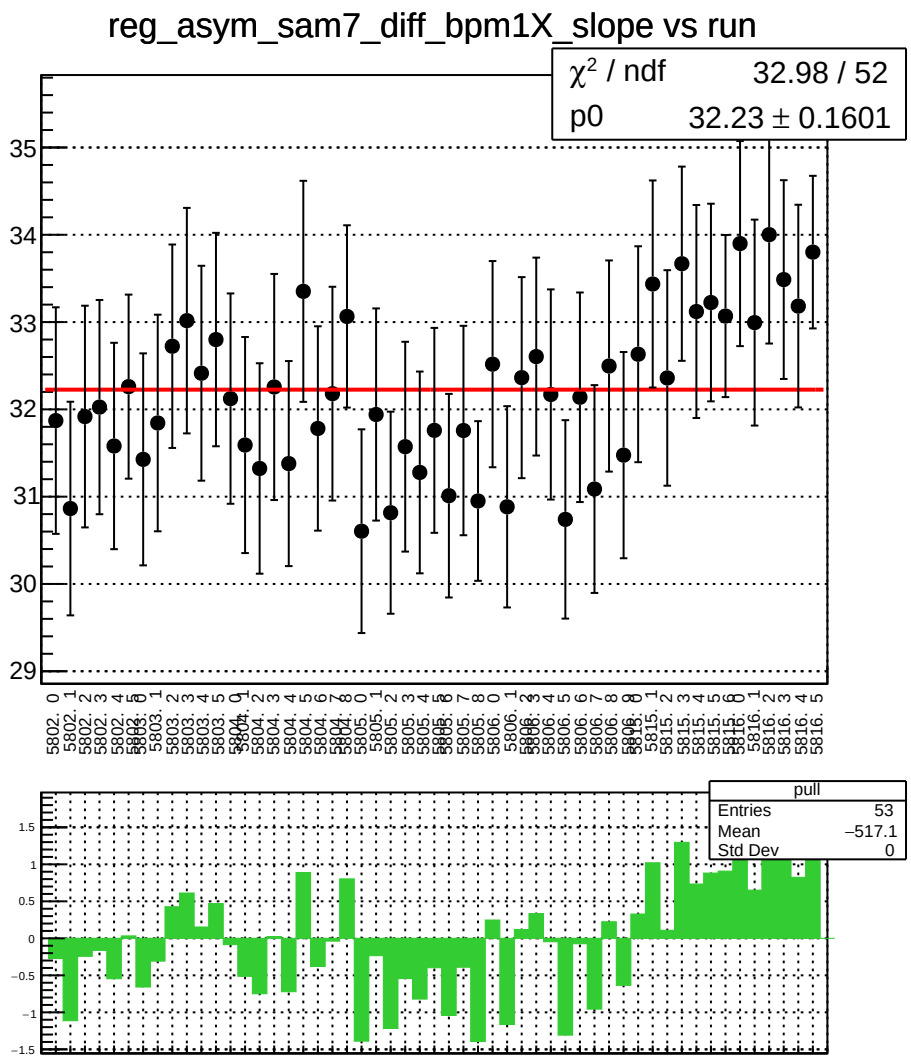

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.306 / 52
p0 9.093 ± 0.7193
pull
Entries 53
Mean 191.8
Std Dev 0

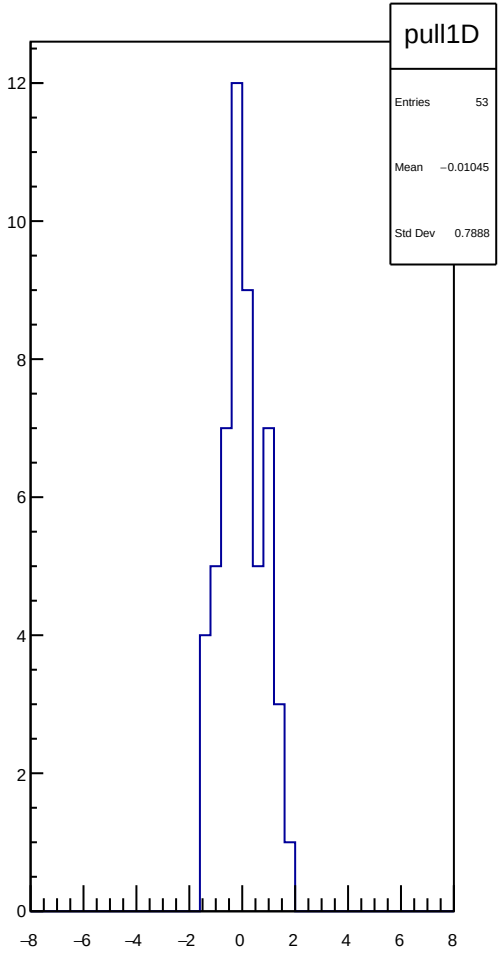

pull1D
Entries 53
Mean 0.005271
Std Dev 0.2497

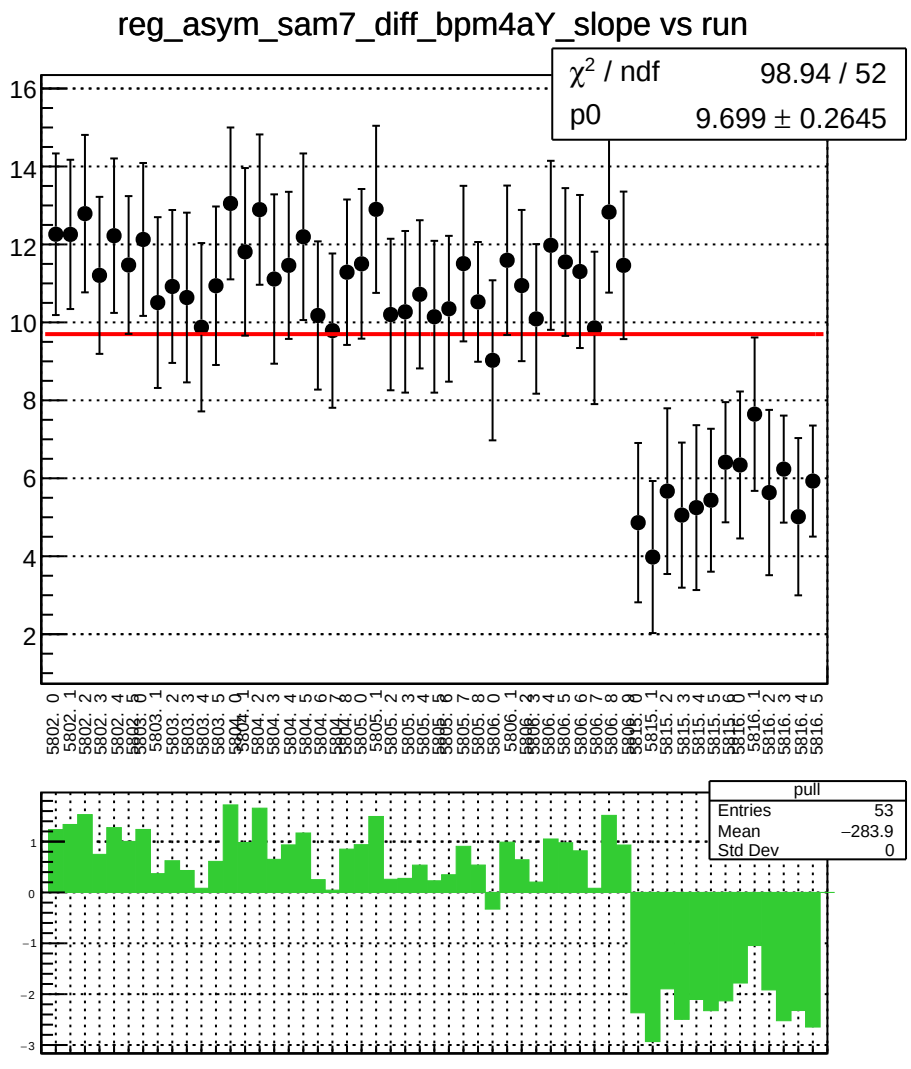

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.91 / 52
p0 −22.85 ± 0.8897
pull
Entries 53
Mean 265.1
Std Dev 0

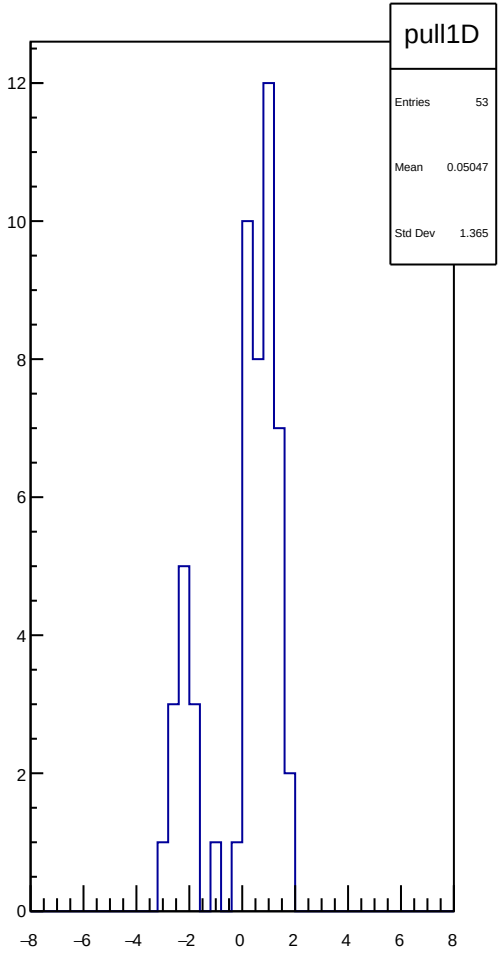

pull1D
Entries 53
Mean −0.003124
Std Dev 0.5123

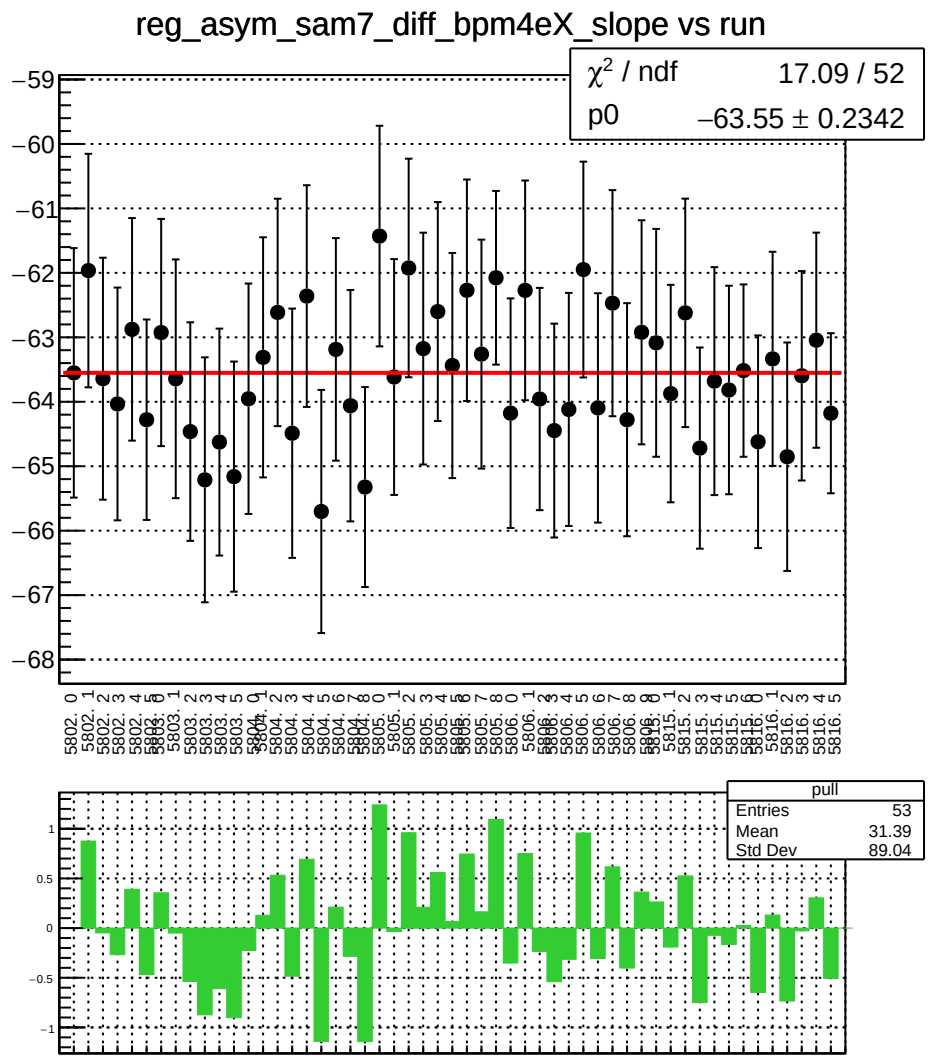

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.044 / 52
p0 −0.1337 ± 0.05625
pull
Entries 53
Mean −401.8
Std Dev 0
pull1D
Entries 53
Mean 0.003665
Std Dev 0.2396

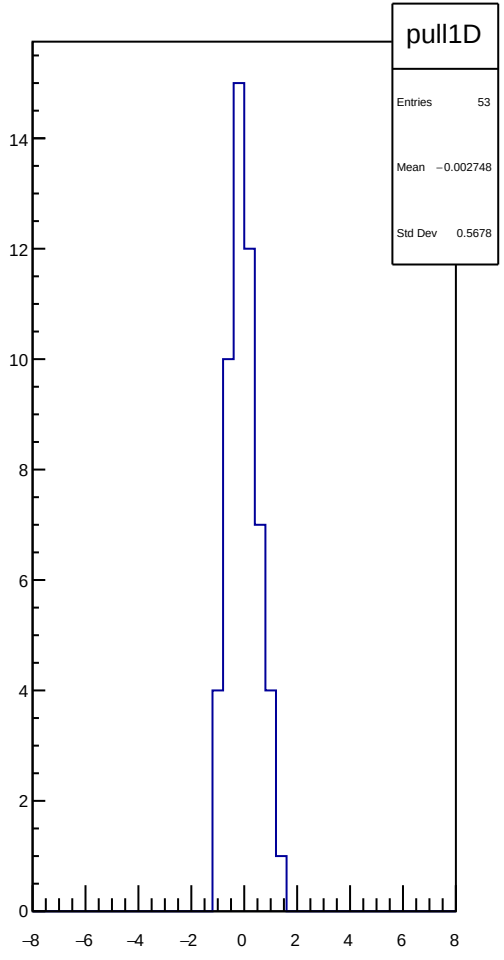

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 32.98 / 52
p0 32.23 ± 0.1601
pull
Entries 53
Mean −517.1
Std Dev 0

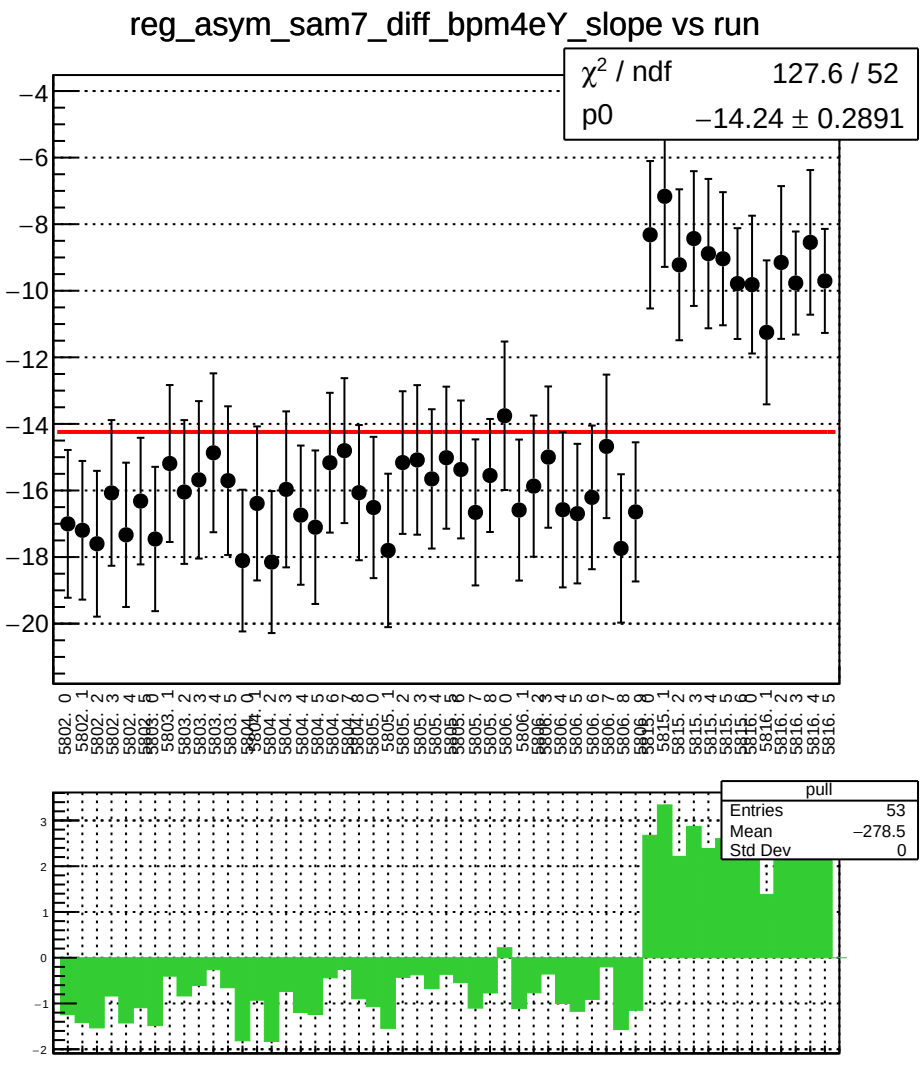

pull1D
Entries 53
Mean −0.01045
Std Dev 0.7888

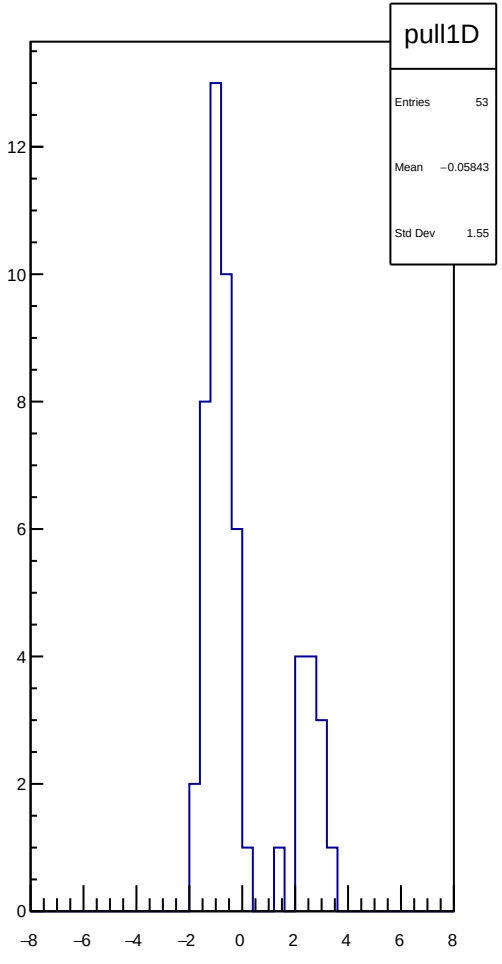

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 98.94 / 52
p0 9.699 ± 0.2645
pull
Entries 53
Mean −283.9
Std Dev 0

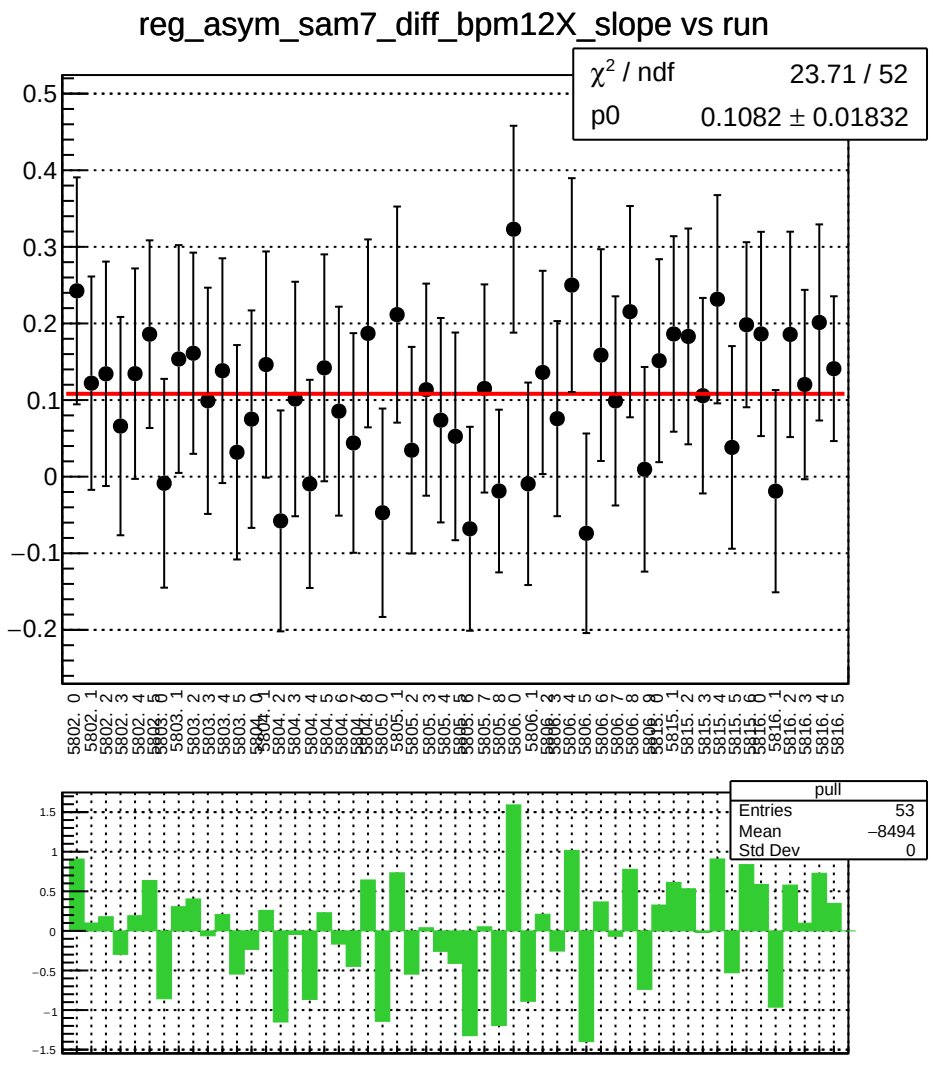

pull1D
Entries 53
Mean 0.05047
Std Dev 1.365

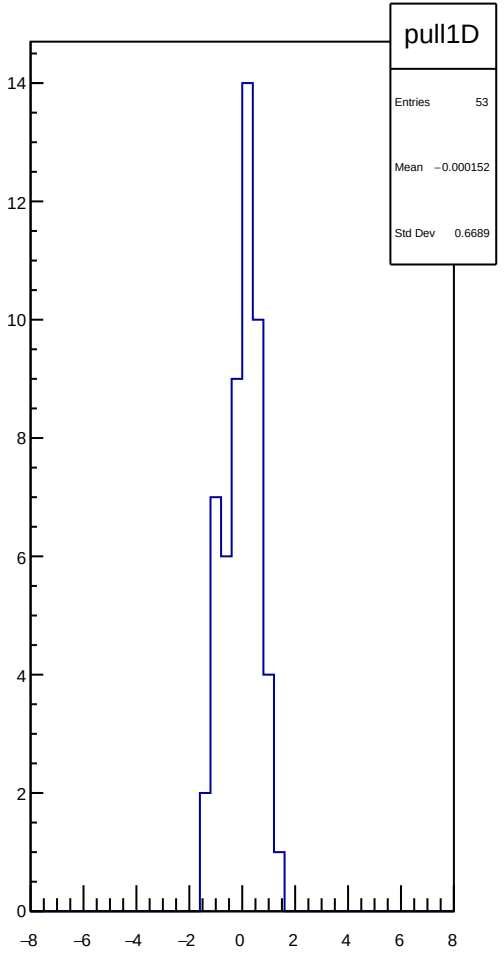

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 17.09 / 52
p0 −63.55 ± 0.2342
pull
Entries 53
Mean 31.39
Std Dev 89.04

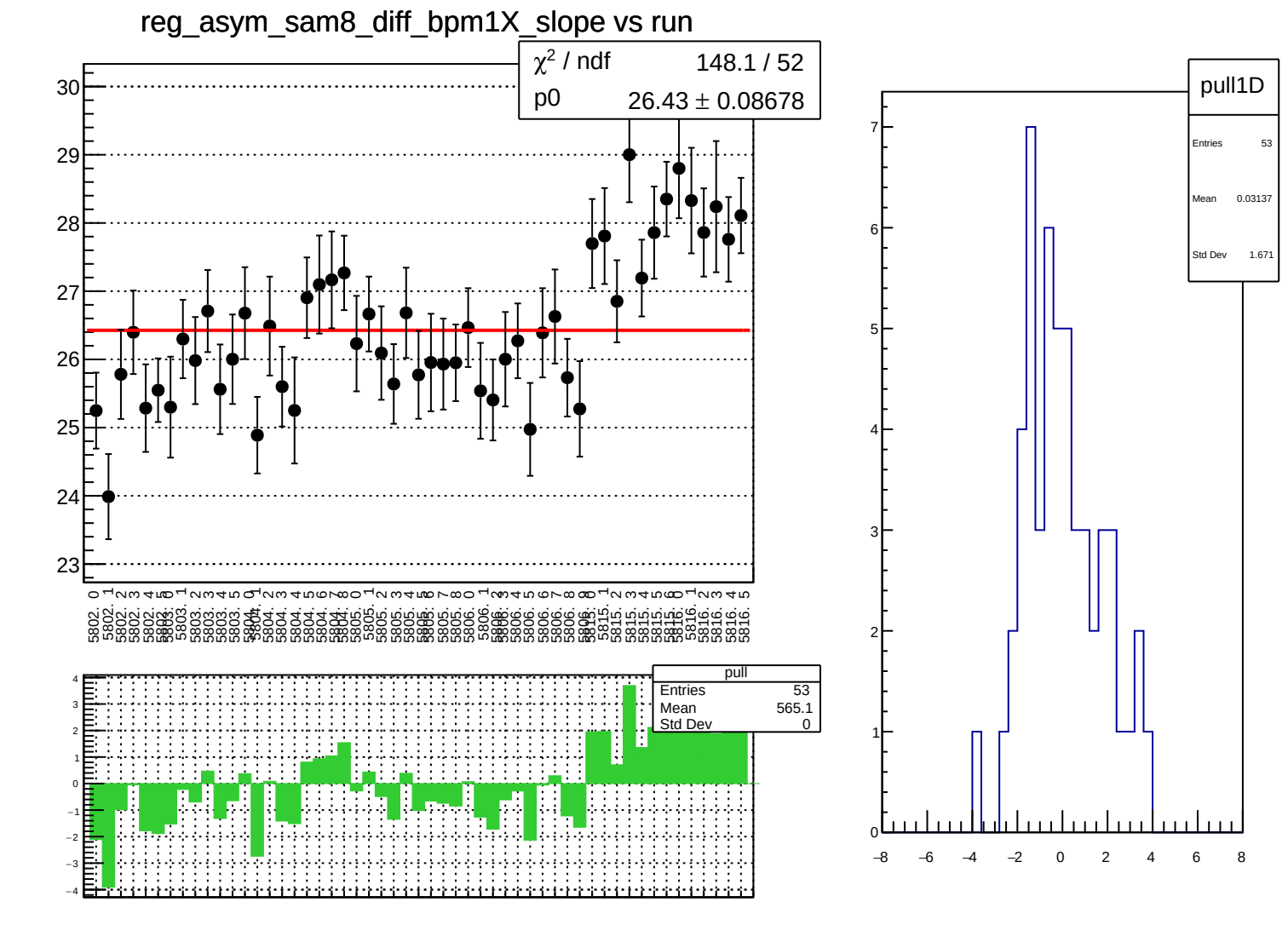

pull1D
Entries 53
Mean −0.002748
Std Dev 0.5678

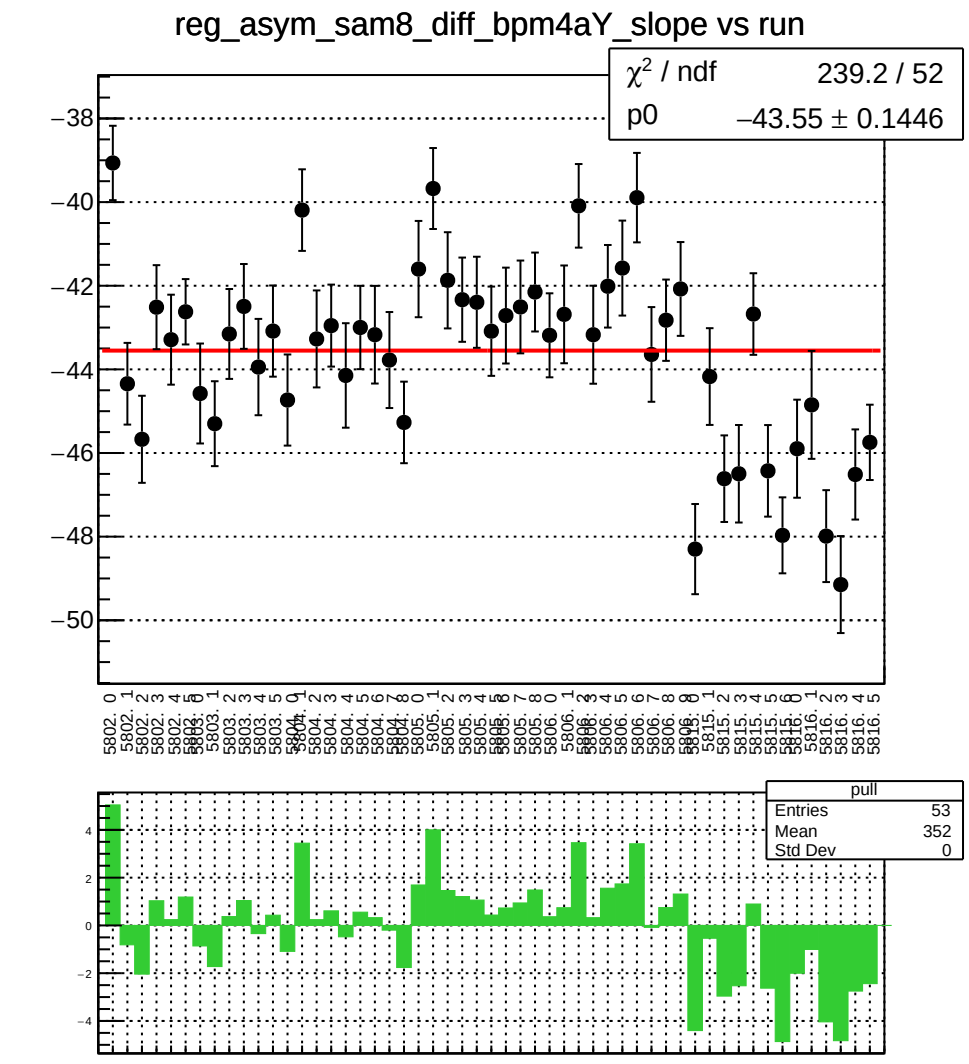

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 127.6 / 52
p0 −14.24 ± 0.2891
pull
Entries 53
Mean −278.5
Std Dev 0

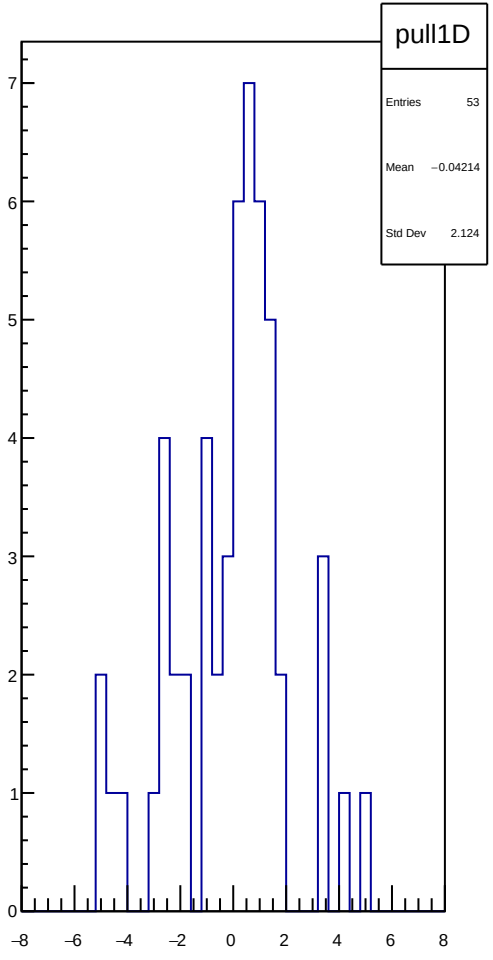

pull1D
Entries 53
Mean −0.05843
Std Dev 1.55

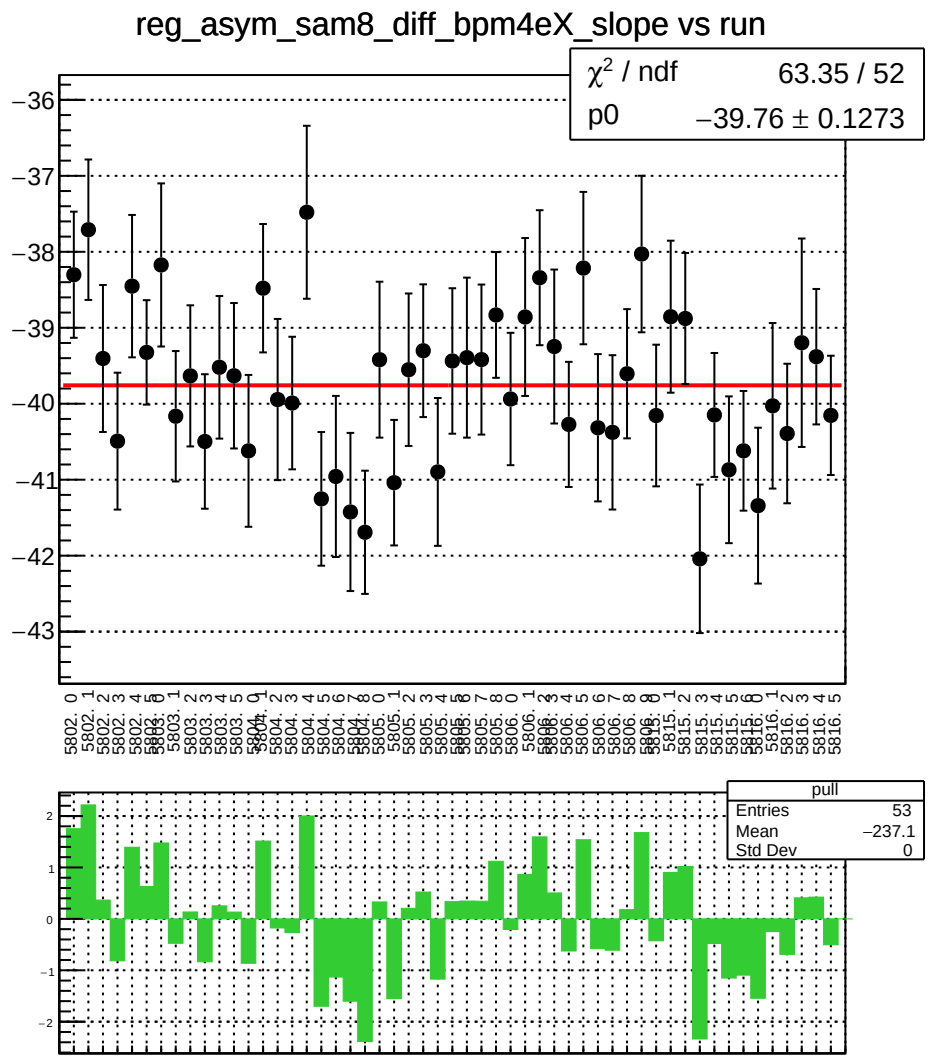

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 23.71 / 52
p0 0.1082 ± 0.01832
pull
Entries 53
Mean −8494
Std Dev 0

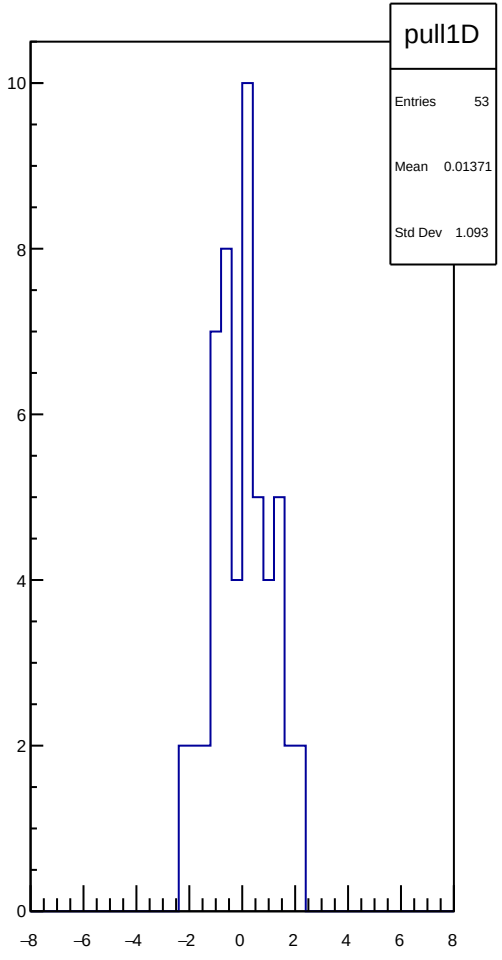

pull1D
Entries 53
Mean −0.000152
Std Dev 0.6689

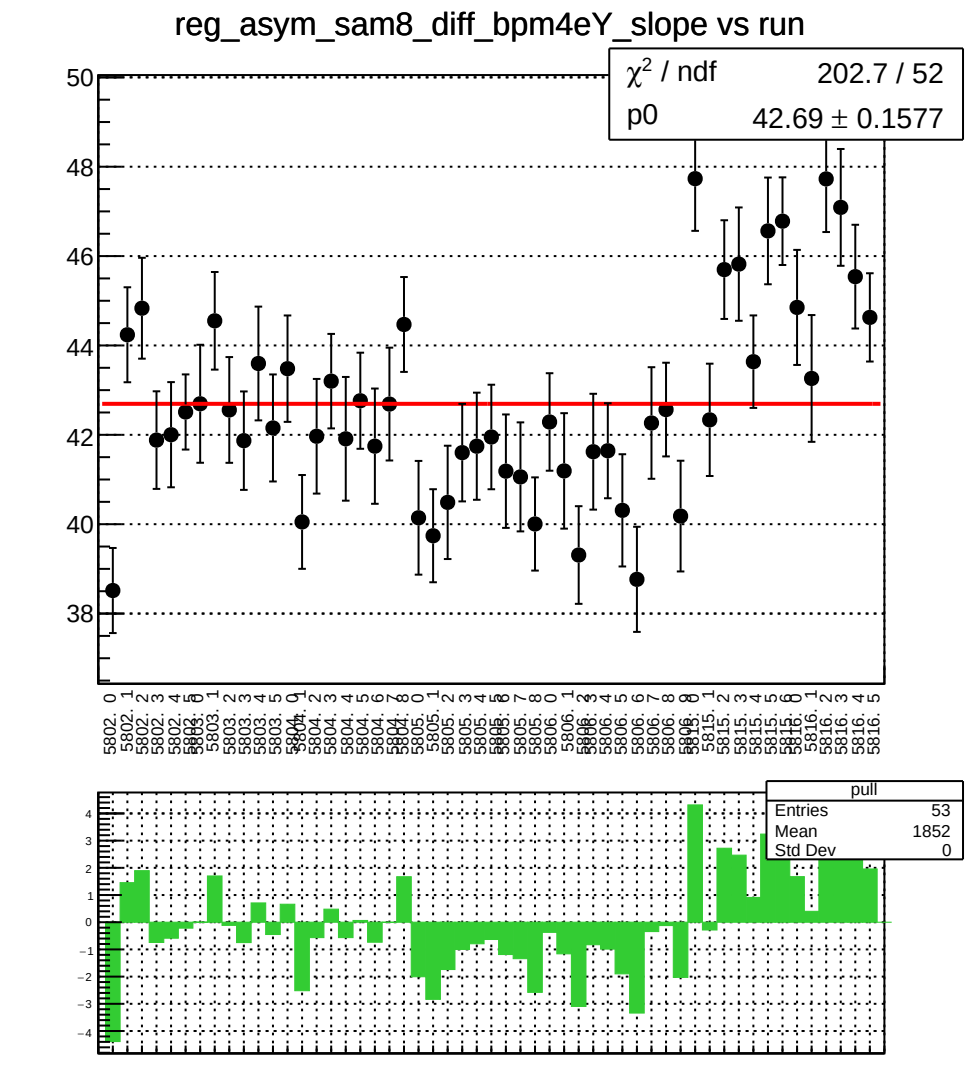

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 148.1 / 52
p0 26.43 ± 0.08678
pull
Entries 53
Mean 565.1
Std Dev 0
pull1D
Entries 53
Mean 0.03137
Std Dev 1.671

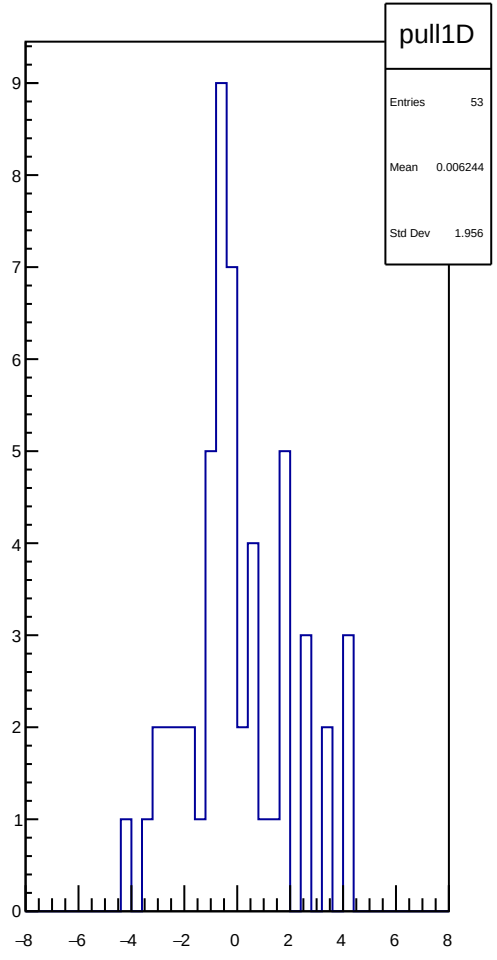

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 239.2 / 52
p0 −43.55 ± 0.1446
pull
Entries 53
Mean 352
Std Dev 0

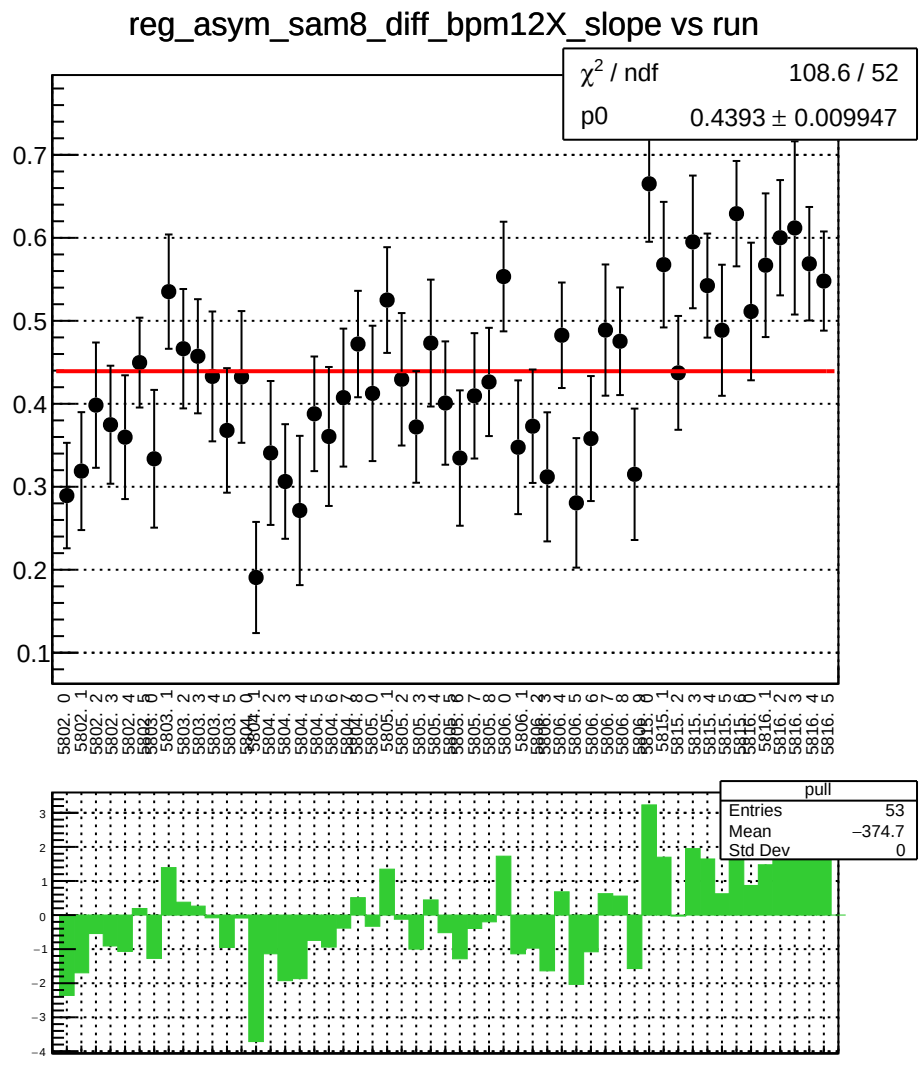

pull1D
Entries 53
Mean −0.04214
Std Dev 2.124

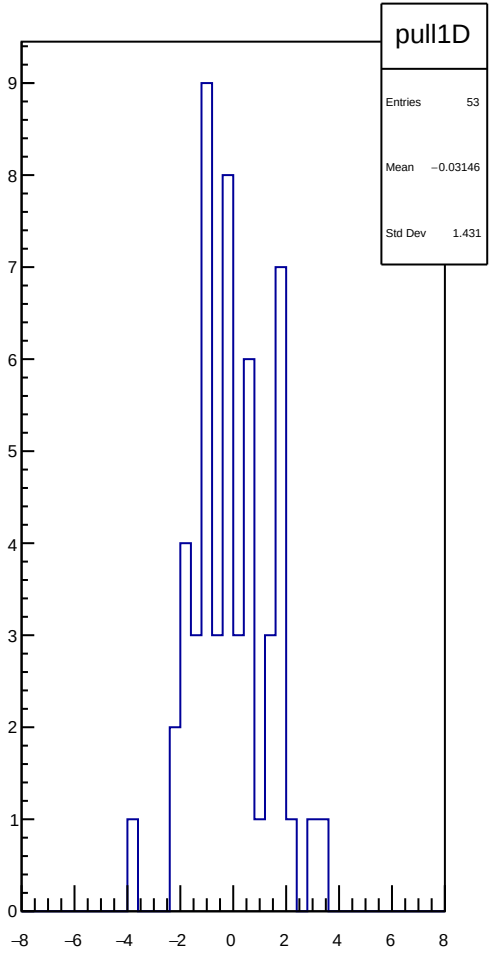

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 63.35 / 52
p0 −39.76 ± 0.1273
pull
Entries 53
Mean −237.1
Std Dev 0

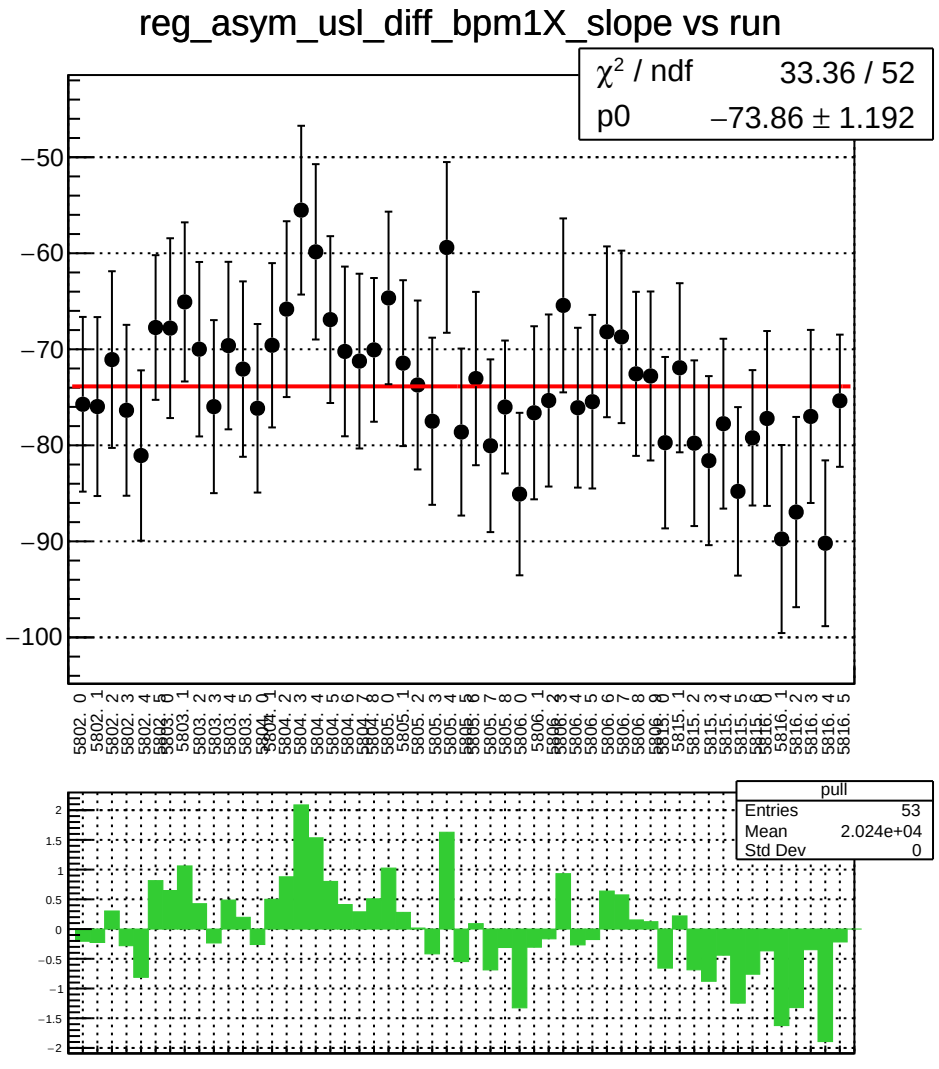

pull1D
Entries 53
Mean 0.01371
Std Dev 1.093

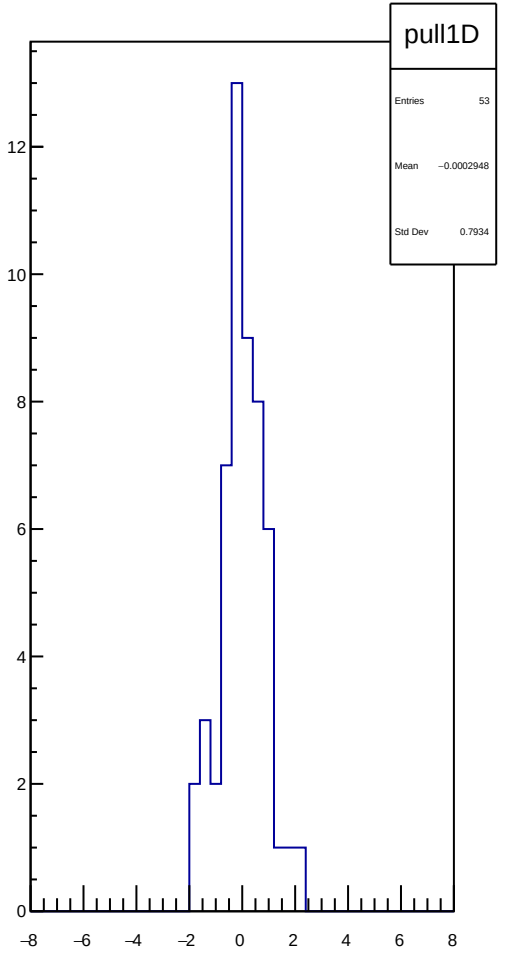

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 202.7 / 52
p0 42.69 ± 0.1577
pull
Entries 53
Mean 1852
Std Dev 0

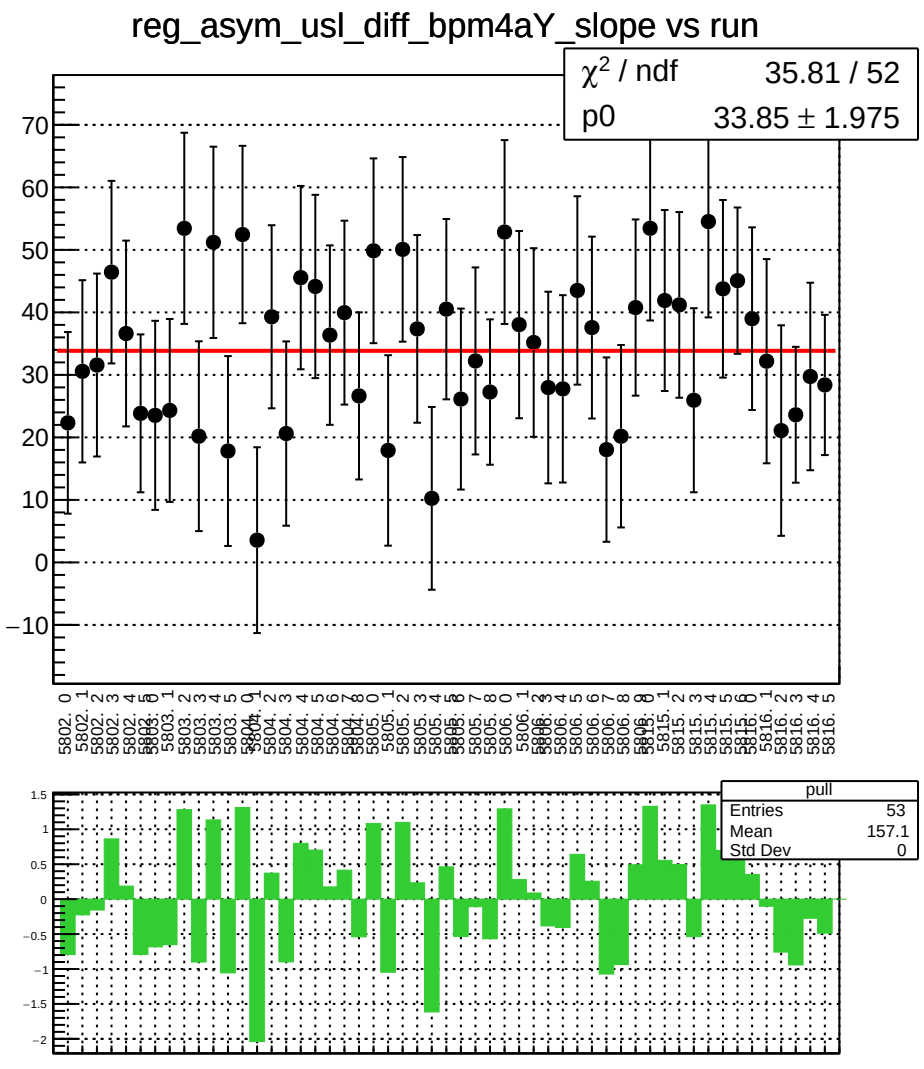

pull1D
Entries 53
Mean 0.006244
Std Dev 1.956

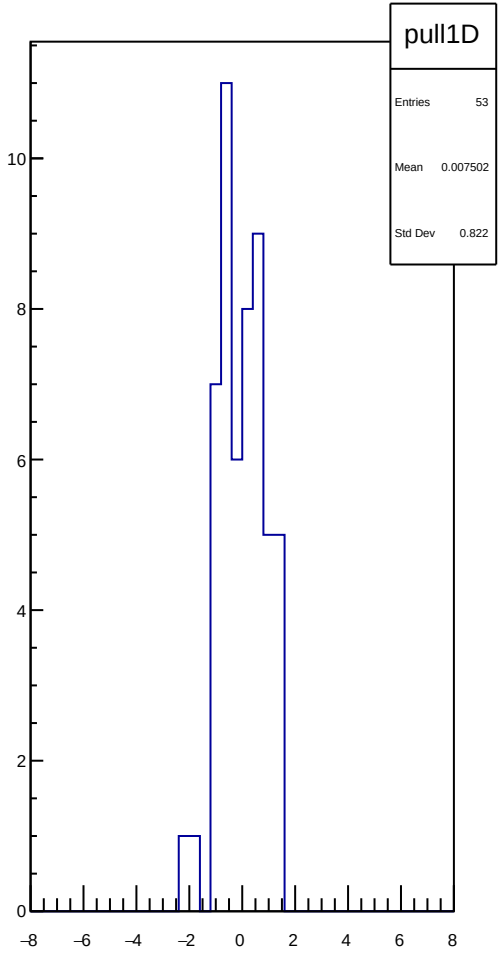

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 108.6 / 52
p0 0.4393 ± 0.009947
pull
Entries 53
Mean −374.7
Std Dev 0

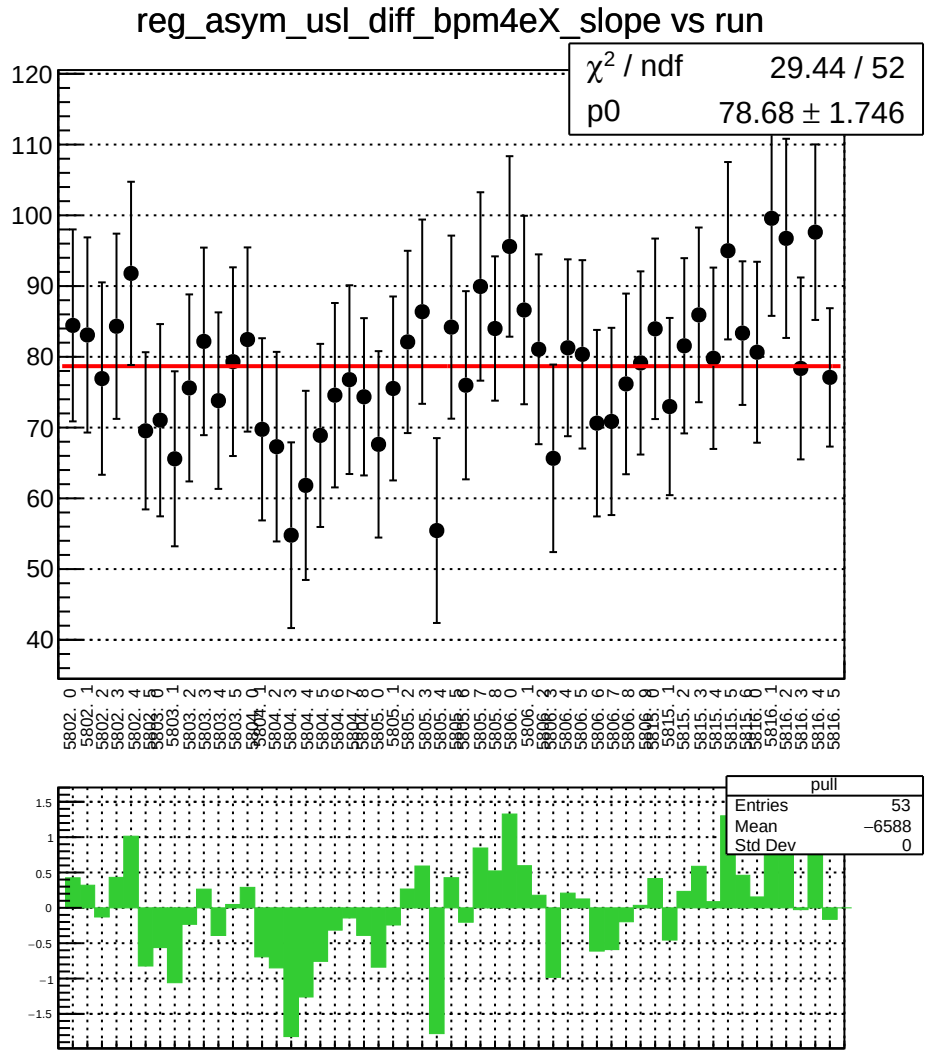

pull1D
Entries 53
Mean −0.03146
Std Dev 1.431

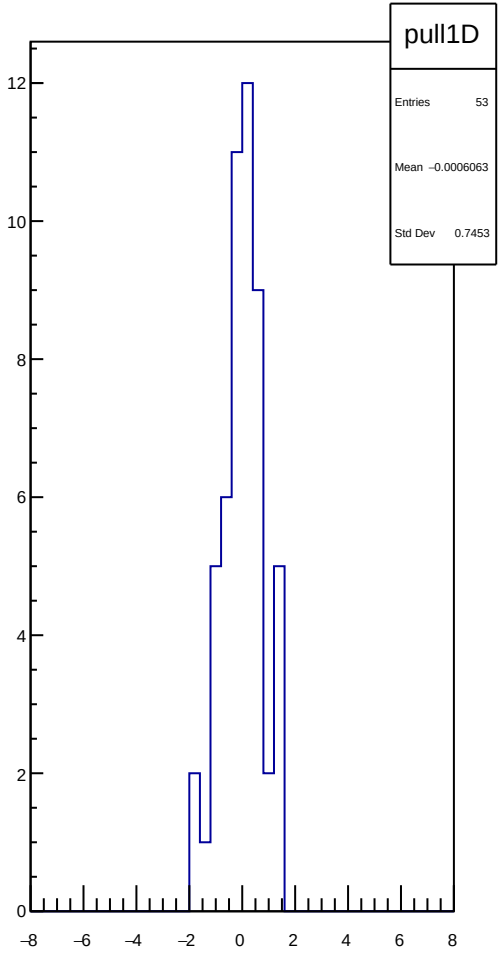

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 33.36 / 52
p0 −73.86 ± 1.192
pull
Entries 53
Mean 2.024e+04
Std Dev 0

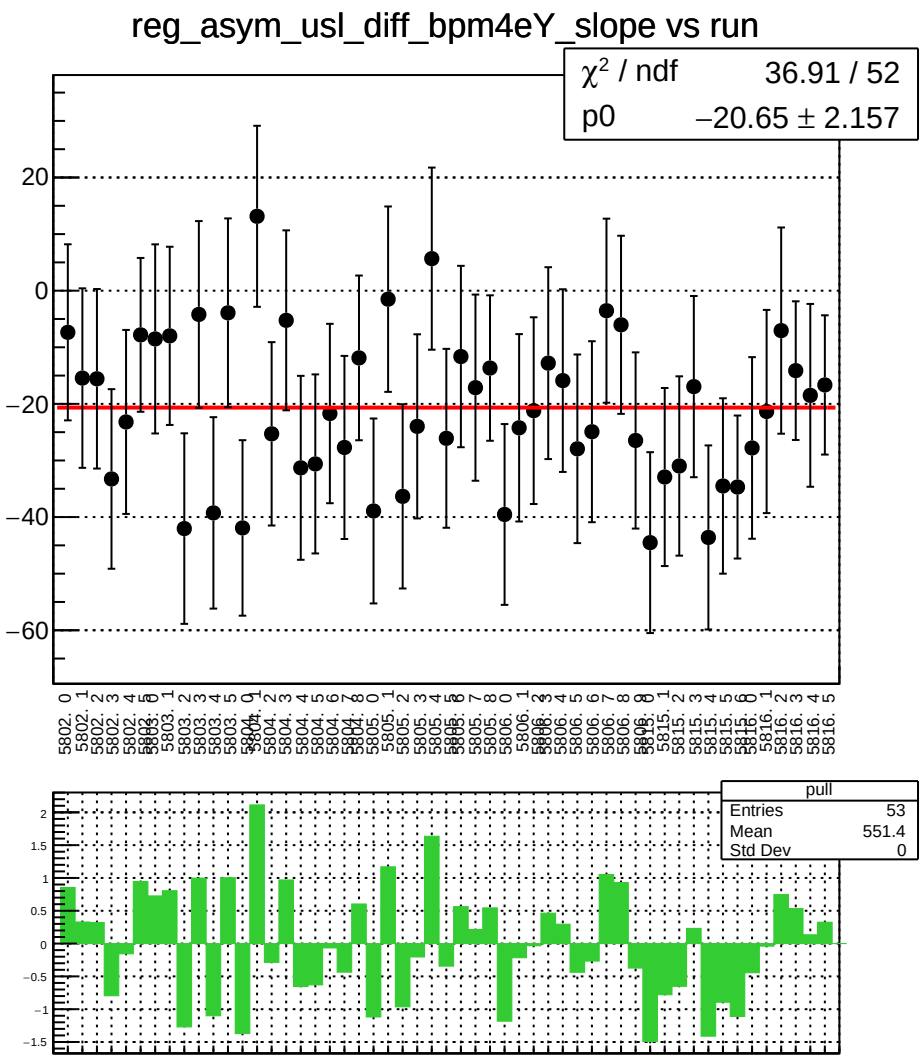

pull1D
Entries 53
Mean −0.0002948
Std Dev 0.7934

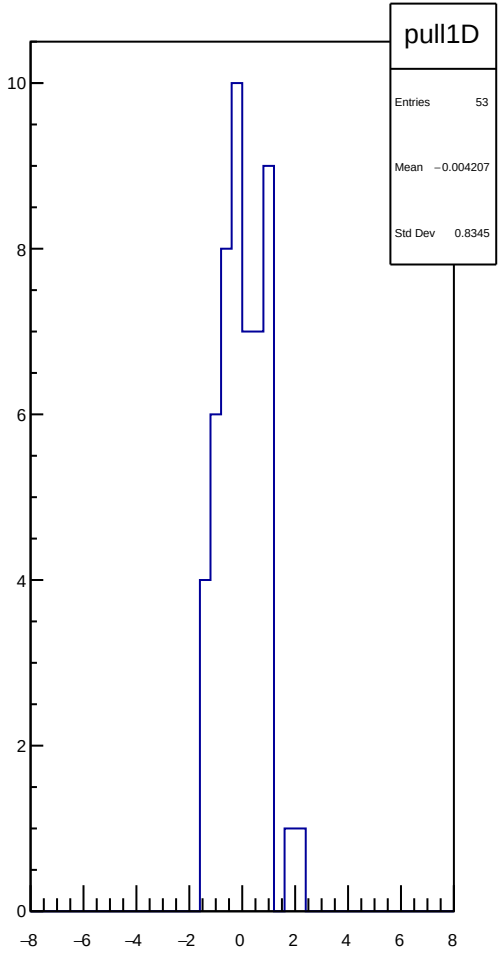

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.81 / 52
p0 33.85 ± 1.975
pull
Entries 53
Mean 157.1
Std Dev 0

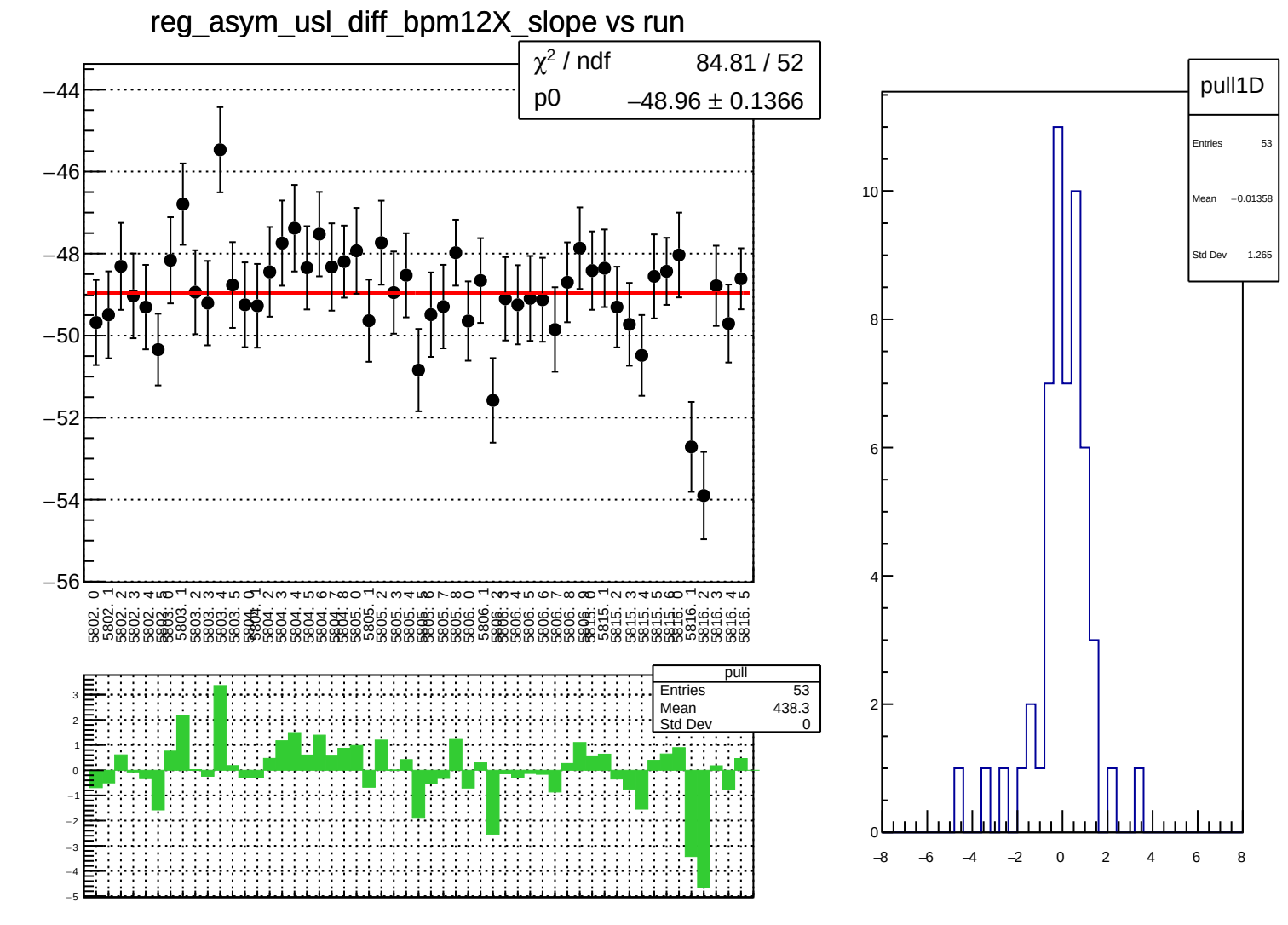

pull1D
Entries 53
Mean 0.007502
Std Dev 0.822

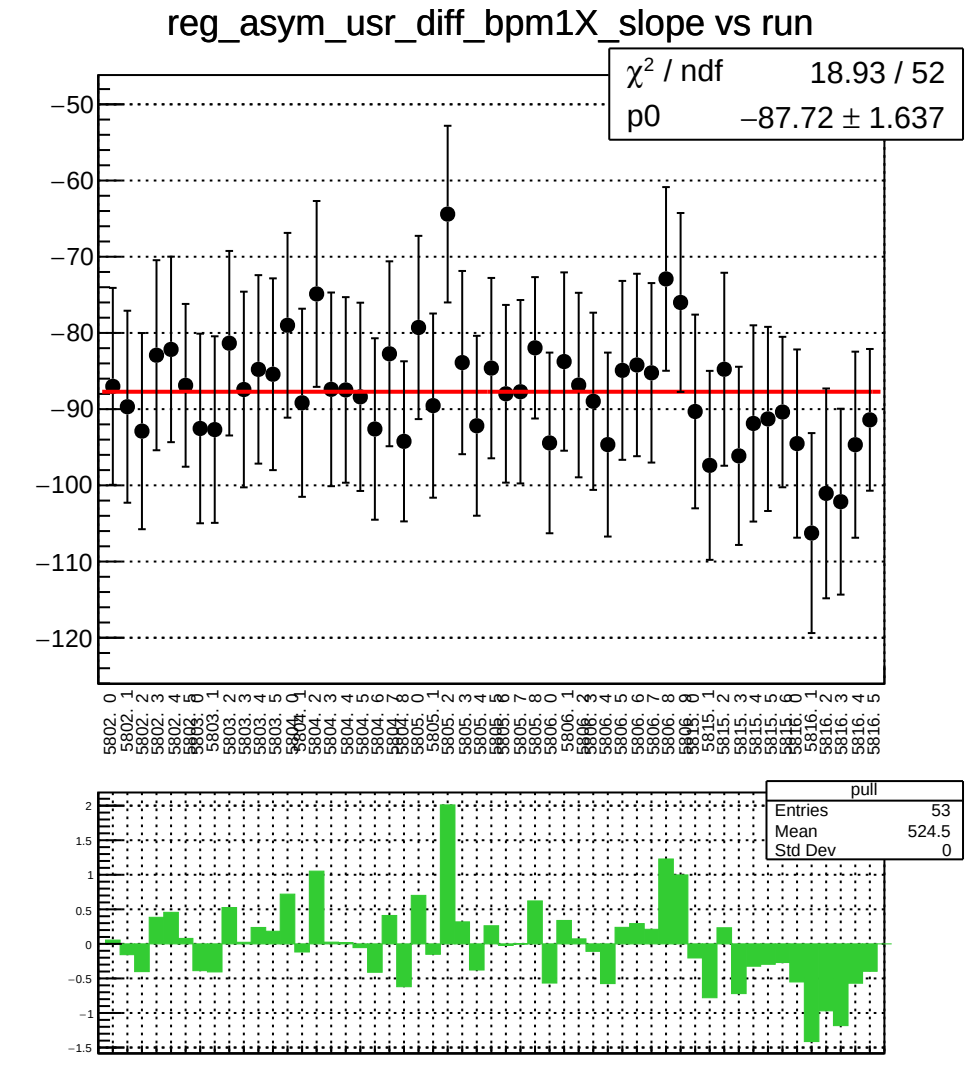

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.44 / 52
p0 78.68 ± 1.746
pull
Entries 53
Mean −6588
Std Dev 0

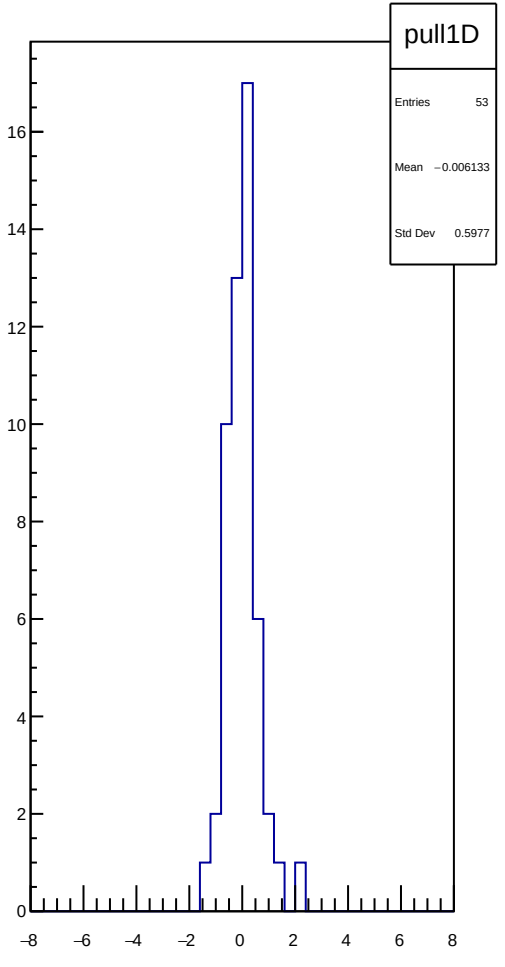

pull1D
Entries 53
Mean −0.0006063
Std Dev 0.7453

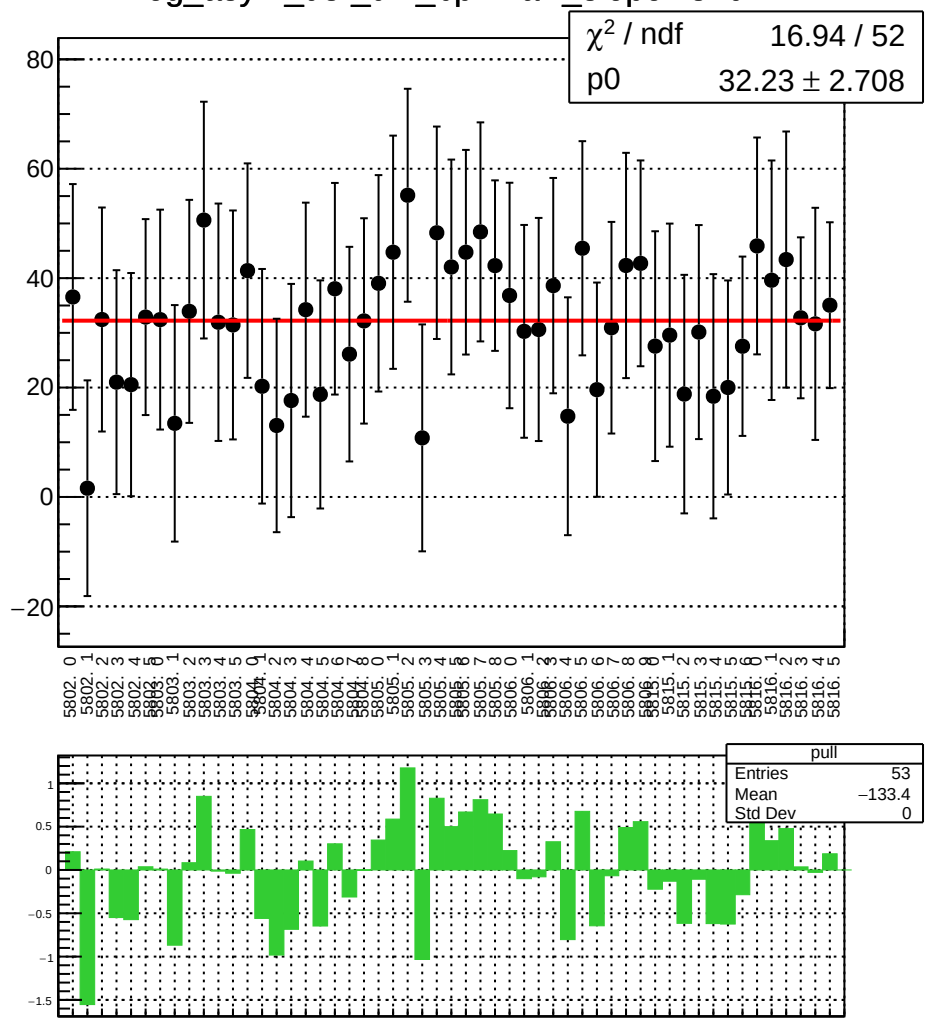

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 36.91 / 52
p0 −20.65 ± 2.157
pull
Entries 53
Mean 551.4
Std Dev 0

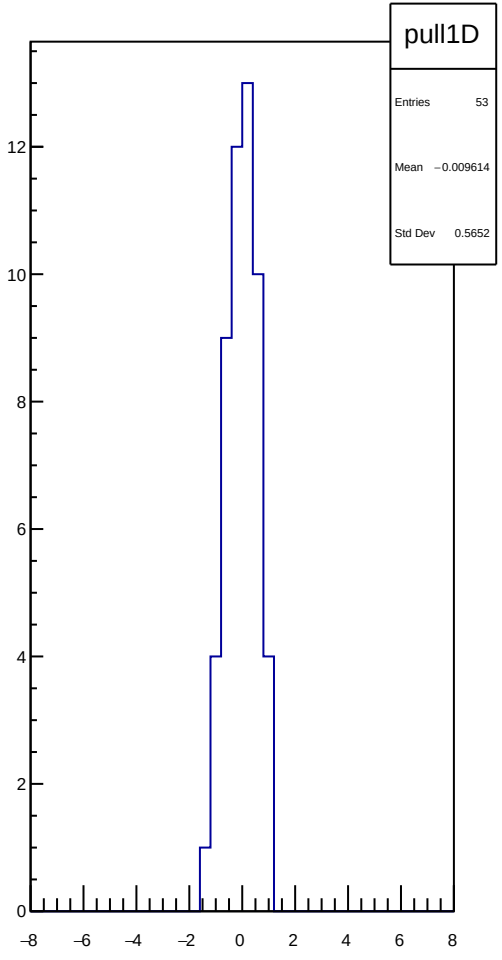

pull1D
Entries 53
Mean −0.004207
Std Dev 0.8345

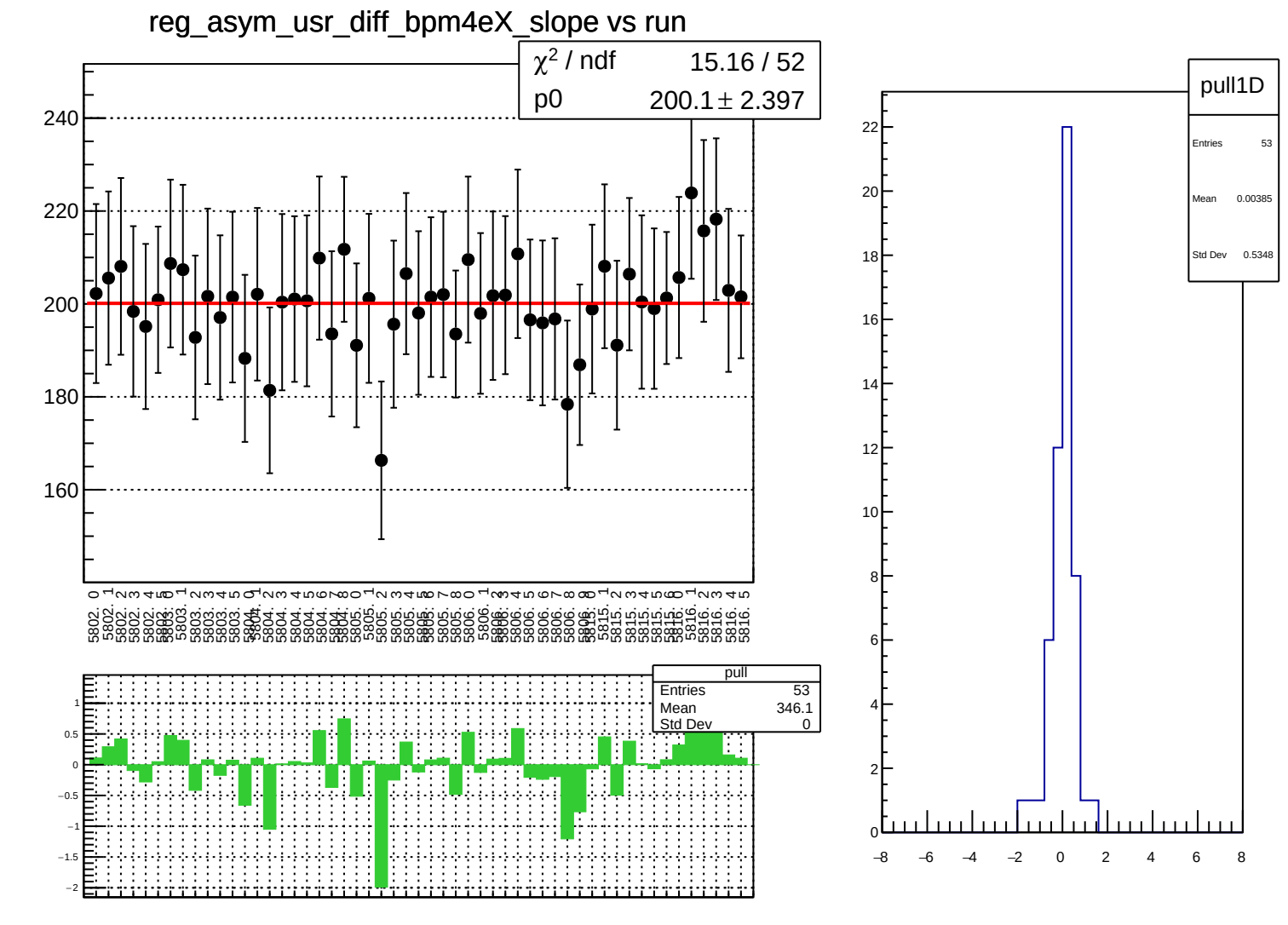

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 84.81 / 52
p0 −48.96 ± 0.1366
pull
Entries 53
Mean 438.3
Std Dev 0
pull1D
Entries 53
Mean −0.01358
Std Dev 1.265

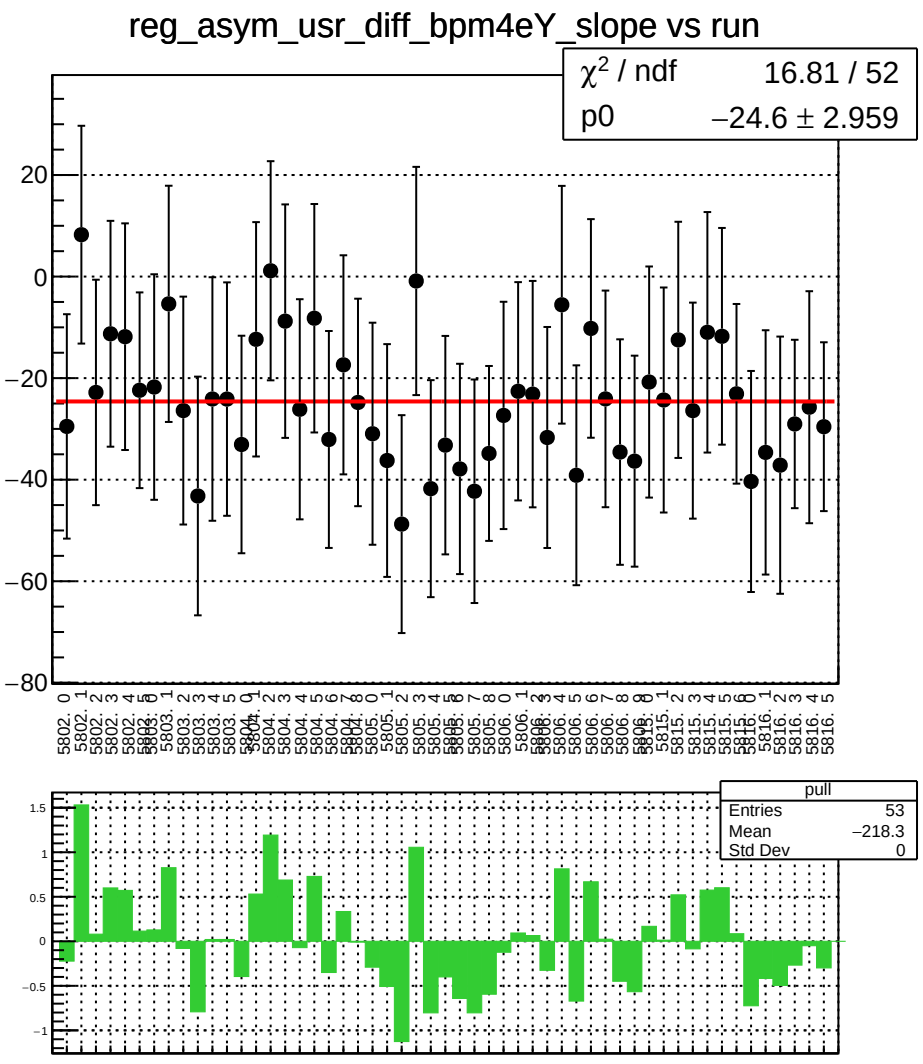

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 18.93 / 52
p0 −87.72 ± 1.637
pull
Entries 53
Mean 524.5
Std Dev 0

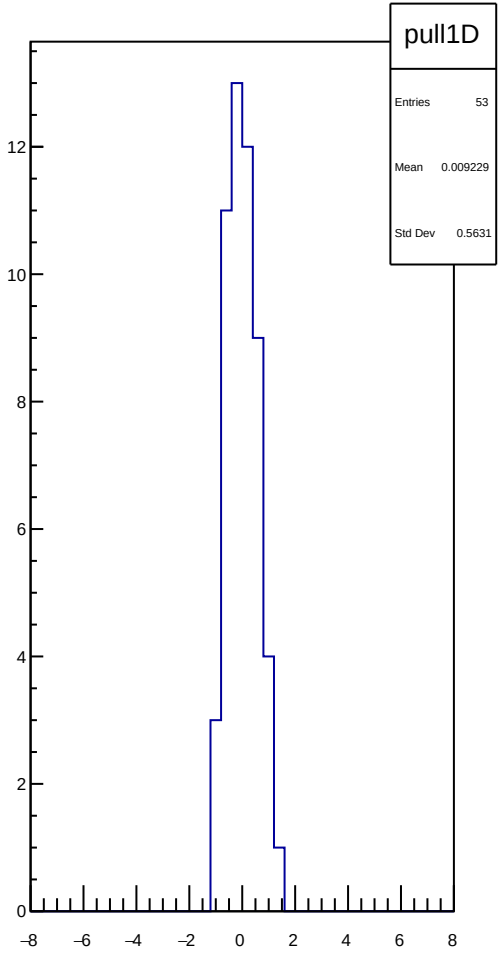

pull1D
Entries 53
Mean −0.006133
Std Dev 0.5977

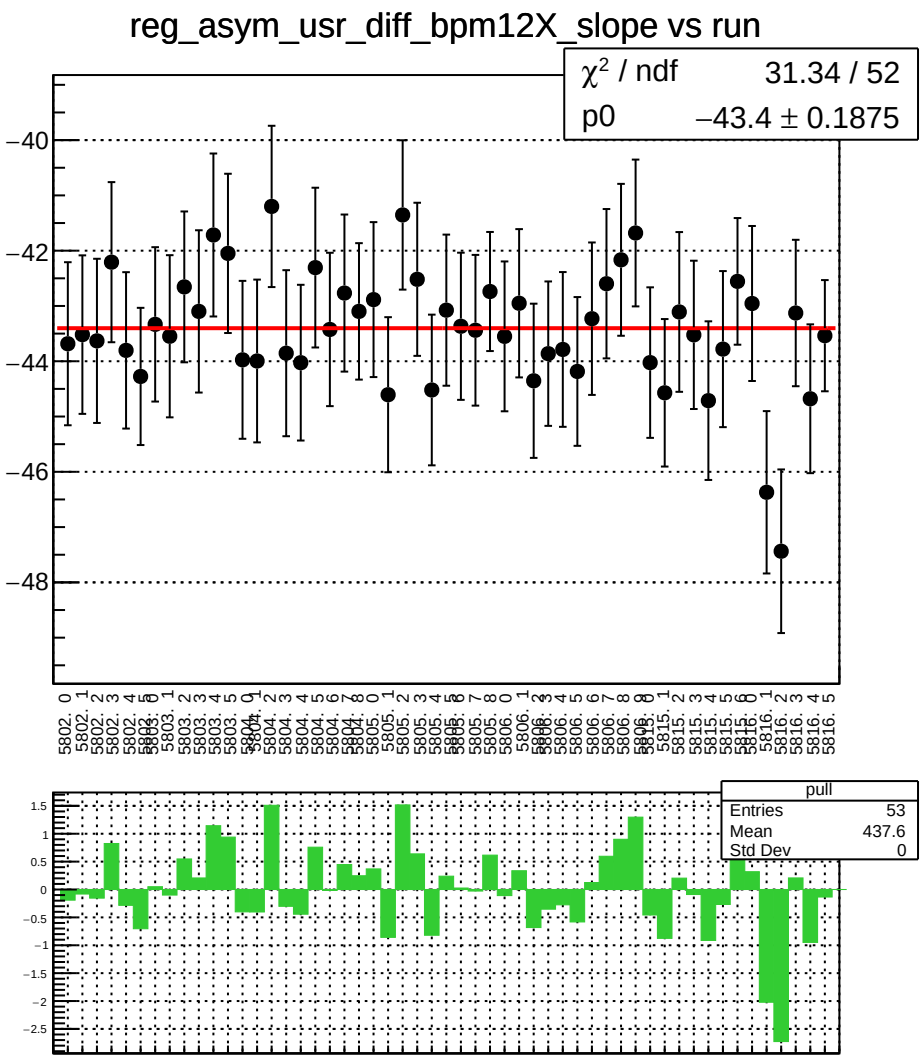

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 16.94 / 52
p0 32.23 ± 2.708
pull
Entries 53
Mean −133.4
Std Dev 0

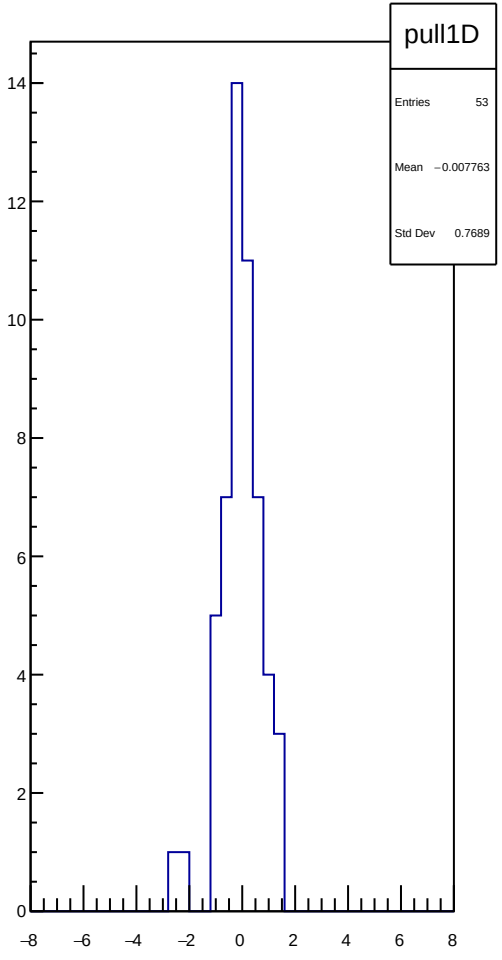

pull1D
Entries 53
Mean −0.009614
Std Dev 0.5652

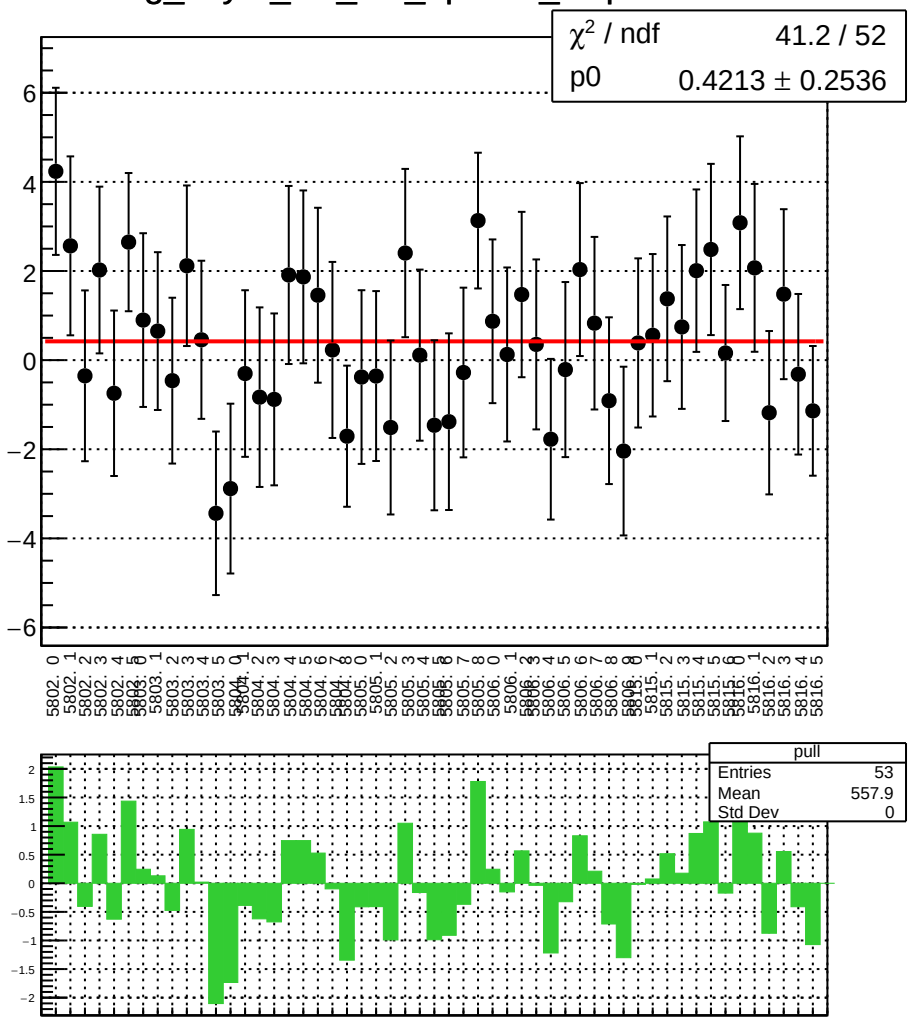

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 15.16 / 52
p0 200.1 ± 2.397
240
220
200
180
160
pull
Entries 53
Mean 346.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.00385
Std Dev 0.5348
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

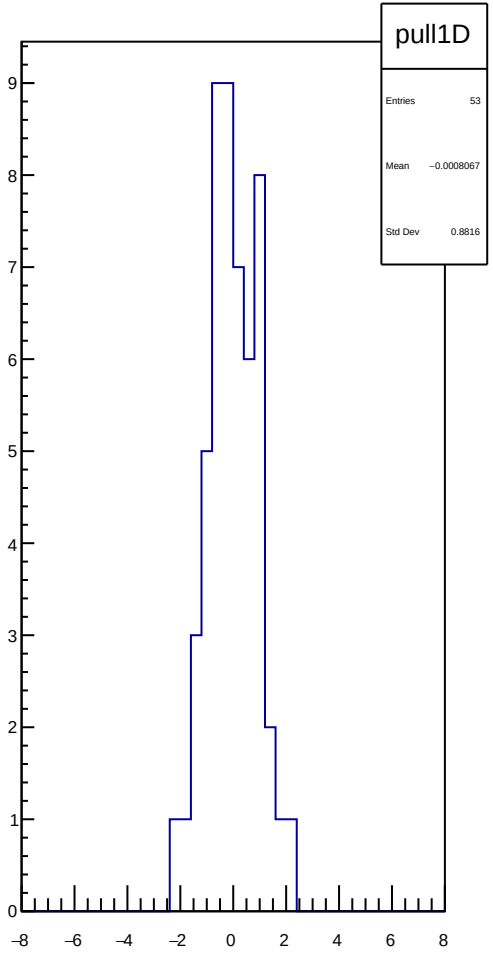

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.81 / 52
p0 −24.6 ± 2.959
pull
Entries 53
Mean −218.3
Std Dev 0

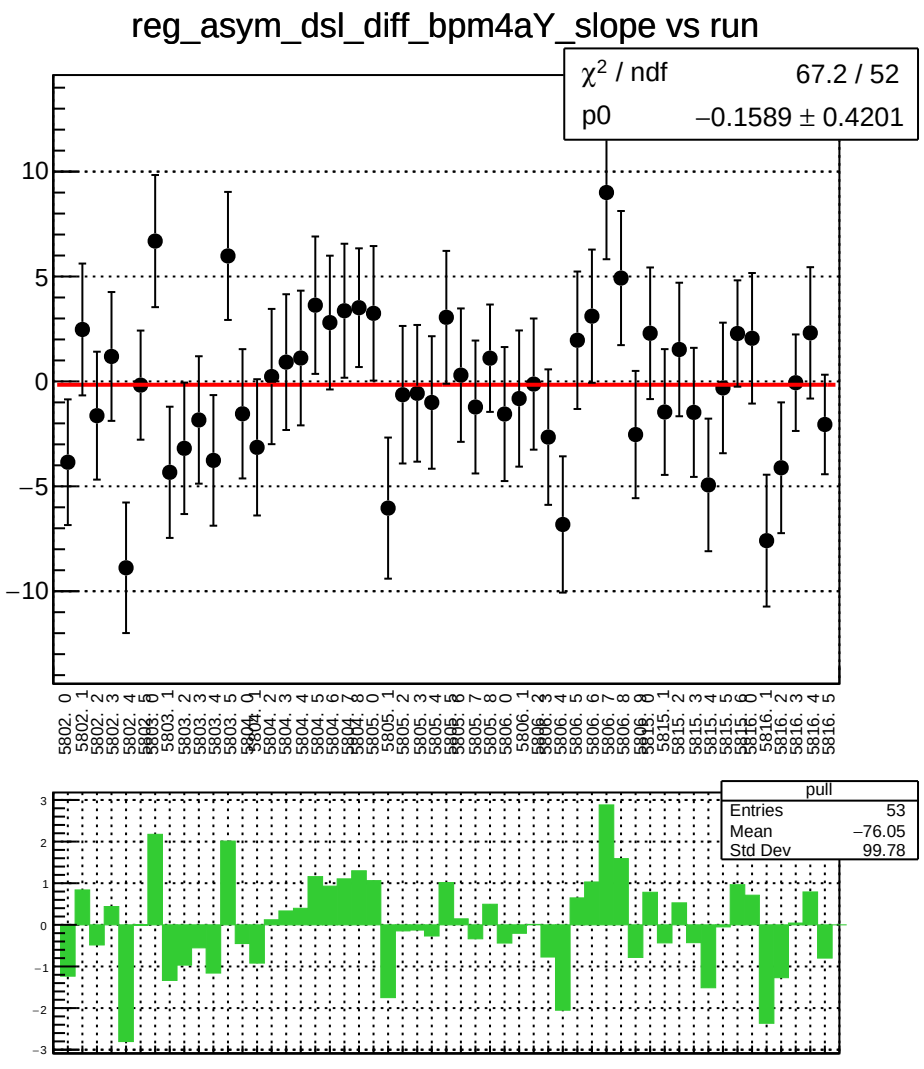

pull1D
Entries 53
Mean 0.009229
Std Dev 0.5631

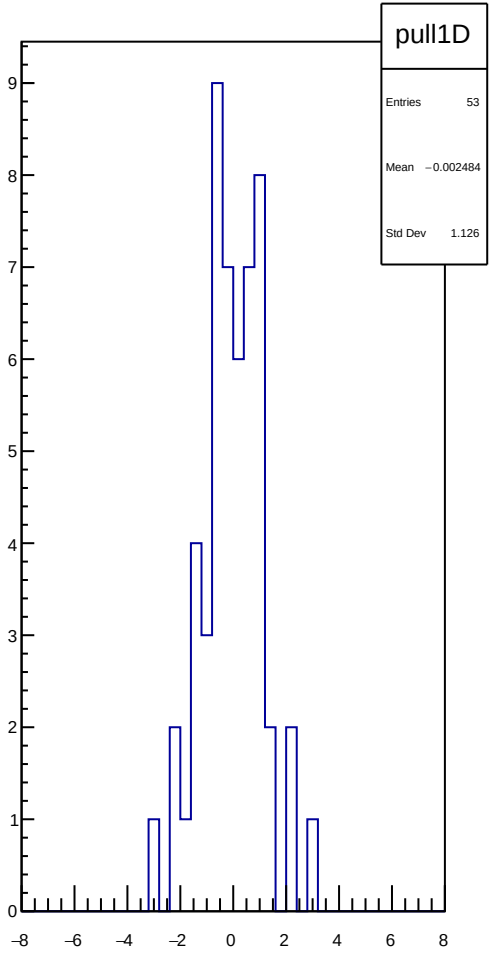

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 31.34 / 52
p0 −43.4 ± 0.1875
−40
−42
−44
−46
−48
pull
Entries 53
Mean 437.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

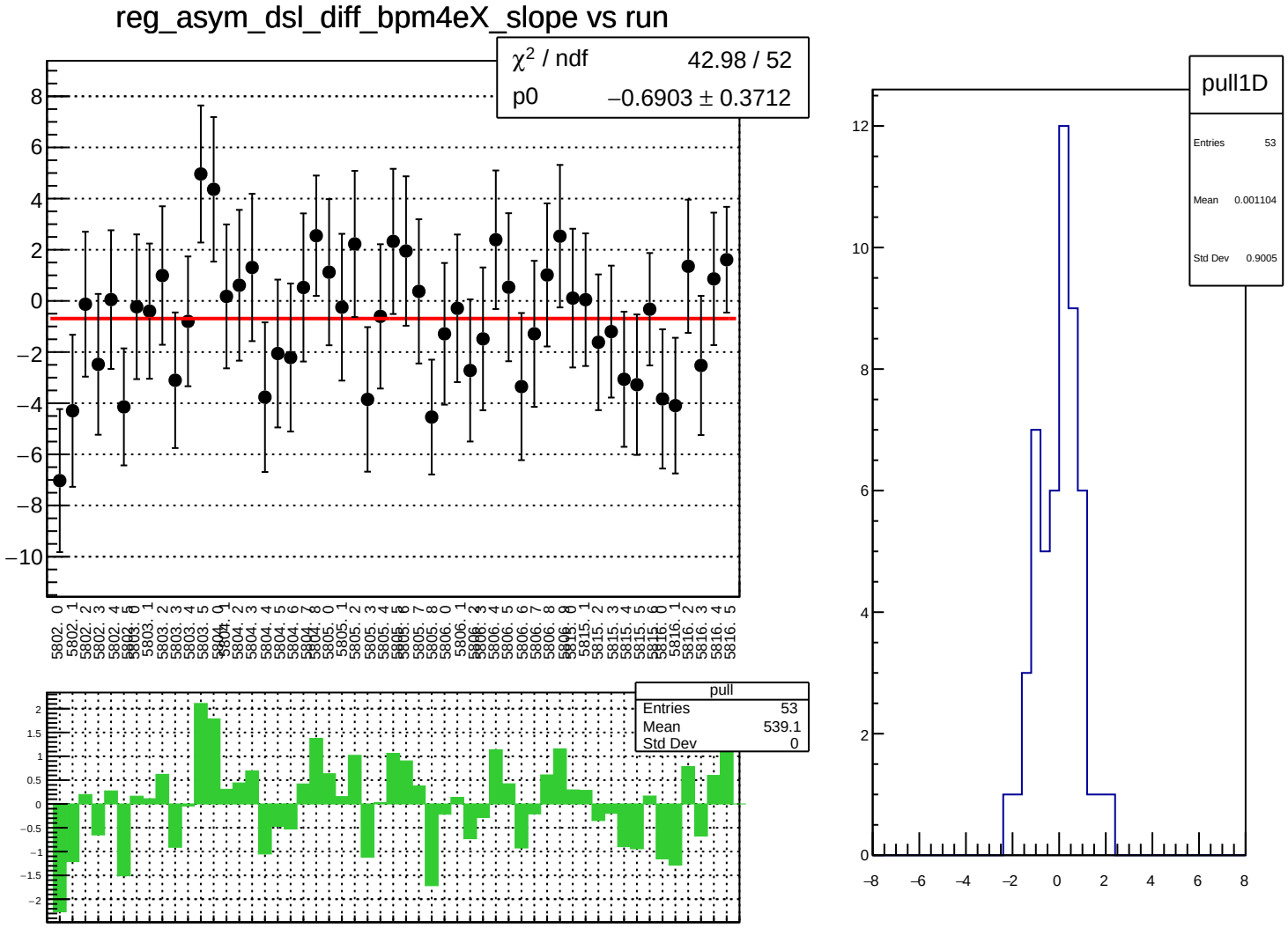

pull1D
Entries 53
Mean −0.007763
Std Dev 0.7689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

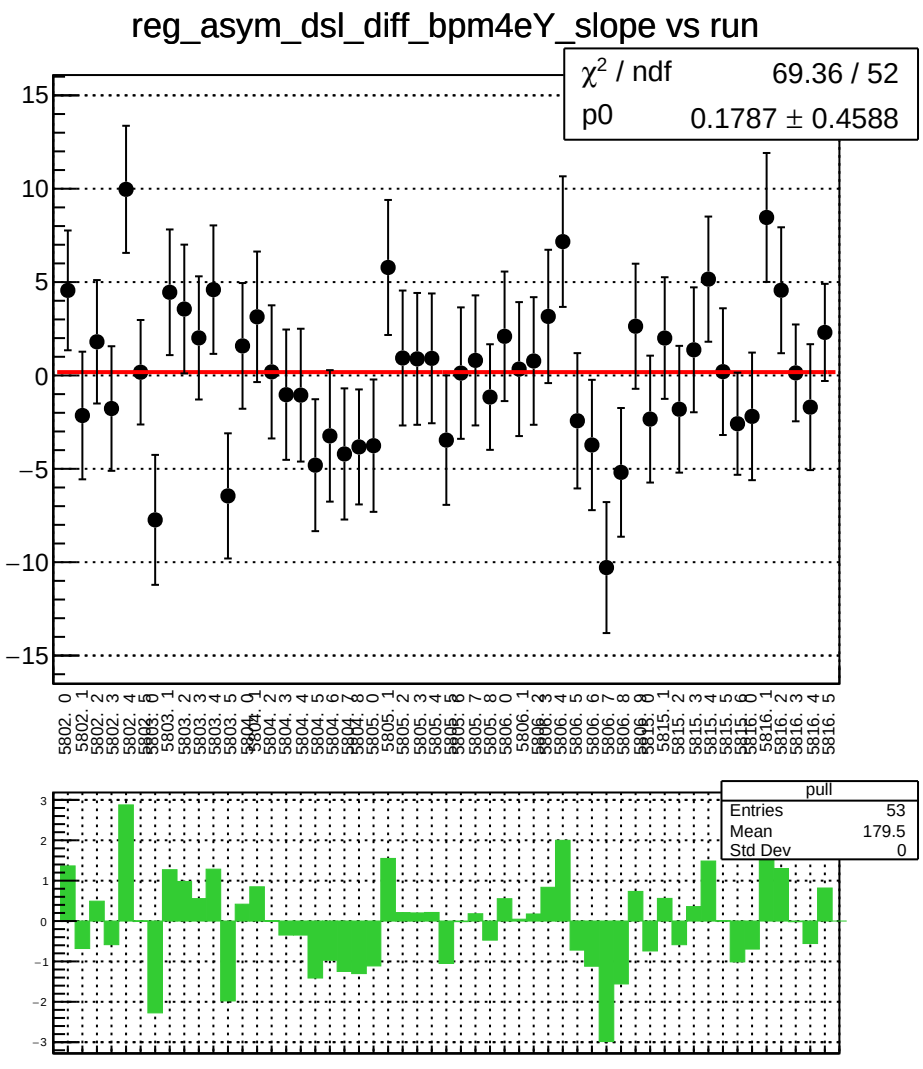

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 41.2 / 52
p0 0.4213 ± 0.2536
pull
Entries 53
Mean 557.9
Std Dev 0

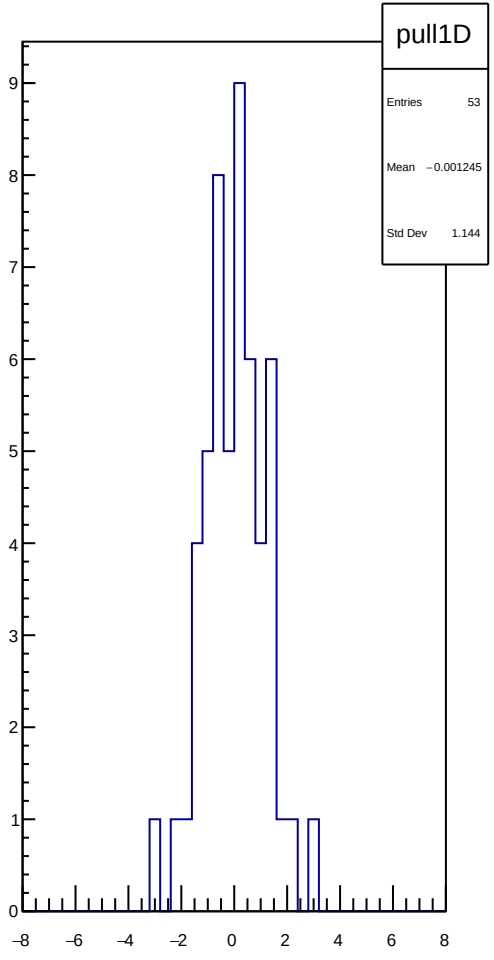

pull1D
Entries 53
Mean −0.0008067
Std Dev 0.8816

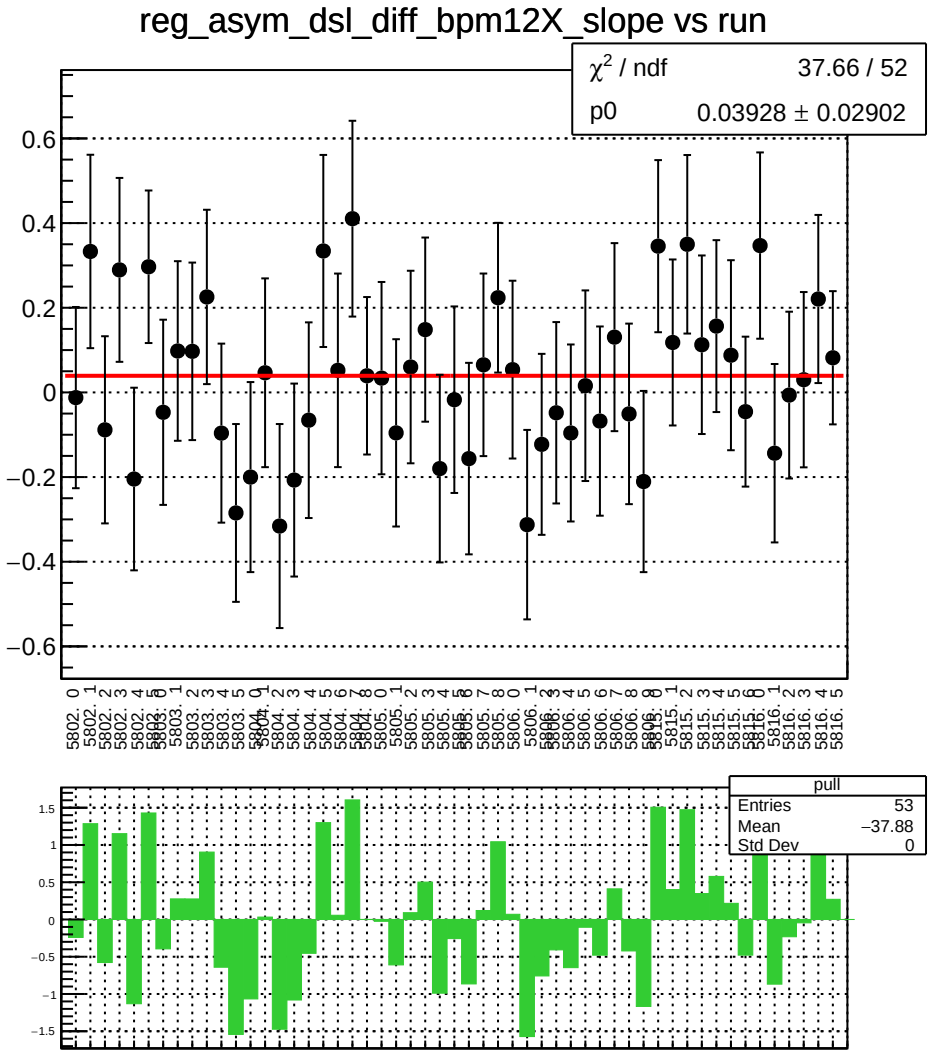

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 67.2 / 52
p0 −0.1589 ± 0.4201
pull
Entries 53
Mean −76.05
Std Dev 99.78

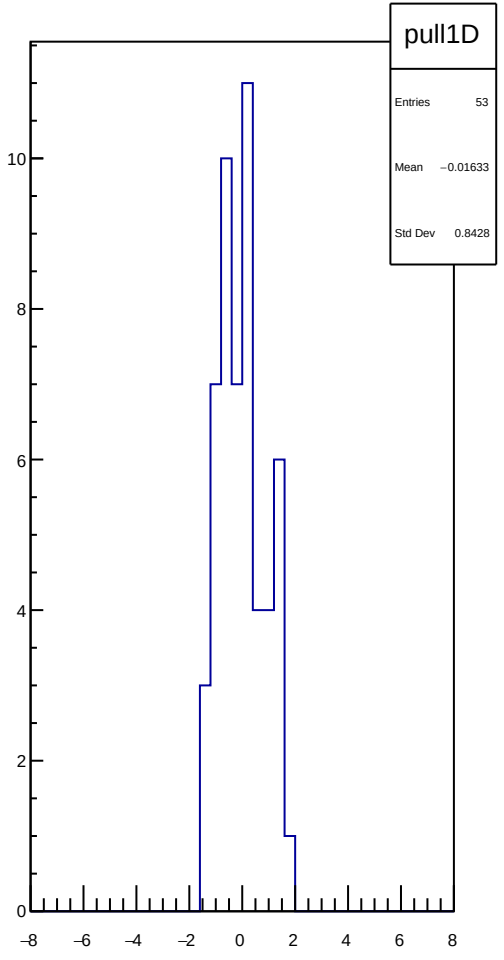

pull1D
Entries 53
Mean −0.002484
Std Dev 1.126

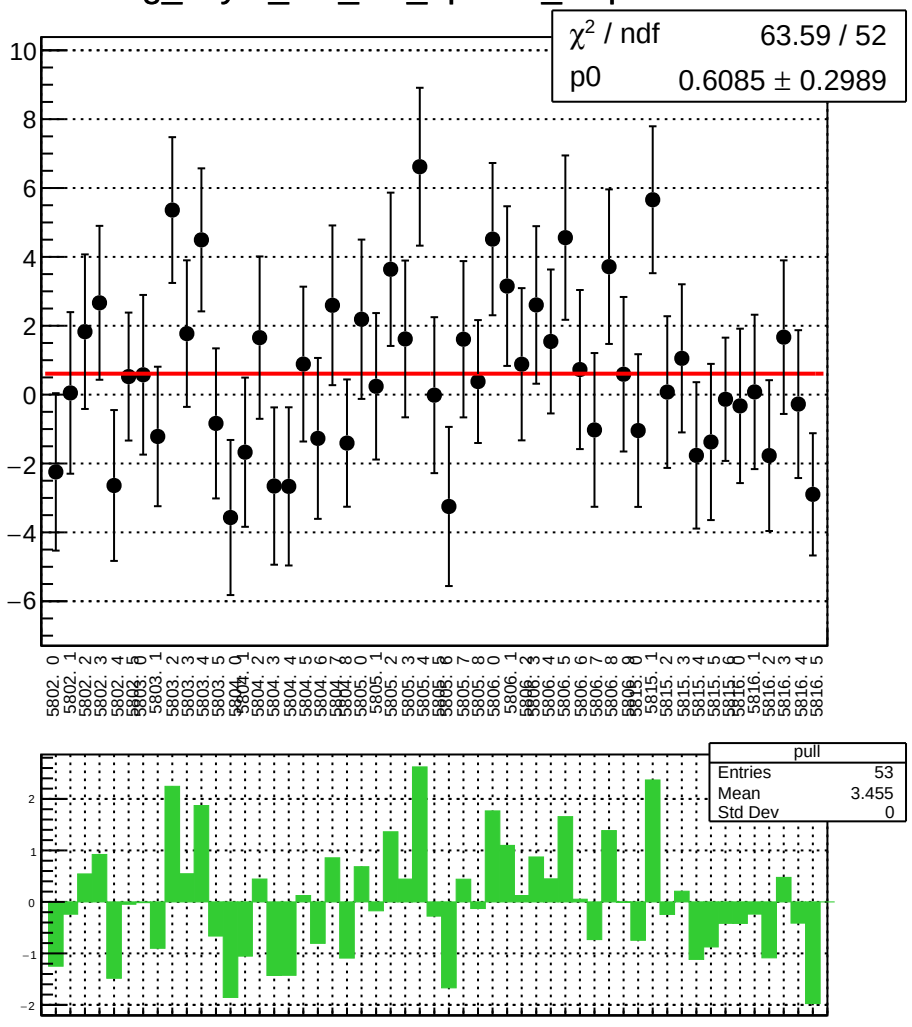

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 42.98 / 52
p0 −0.6903 ± 0.3712
pull
Entries 53
Mean 539.1
Std Dev 0
pull1D
Entries 53
Mean 0.001104
Std Dev 0.9005

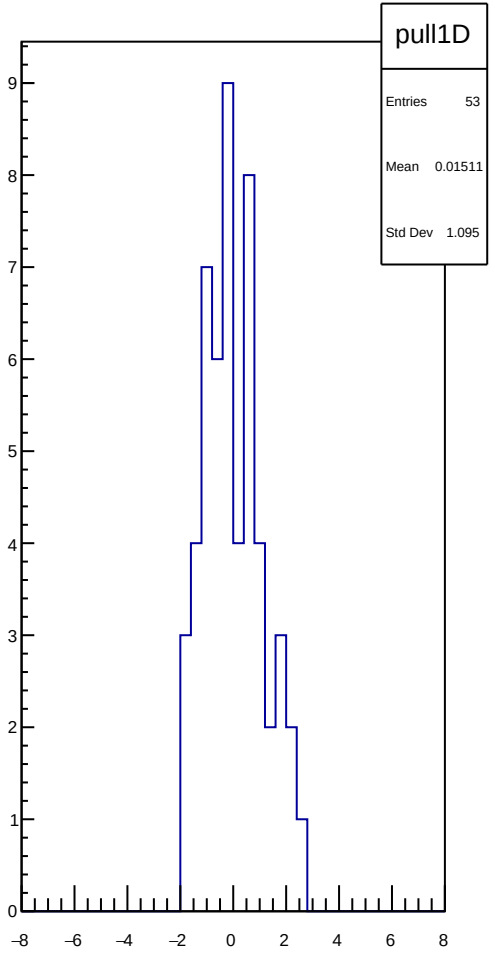

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 69.36 / 52
p0 0.1787 ± 0.4588
pull
Entries 53
Mean 179.5
Std Dev 0

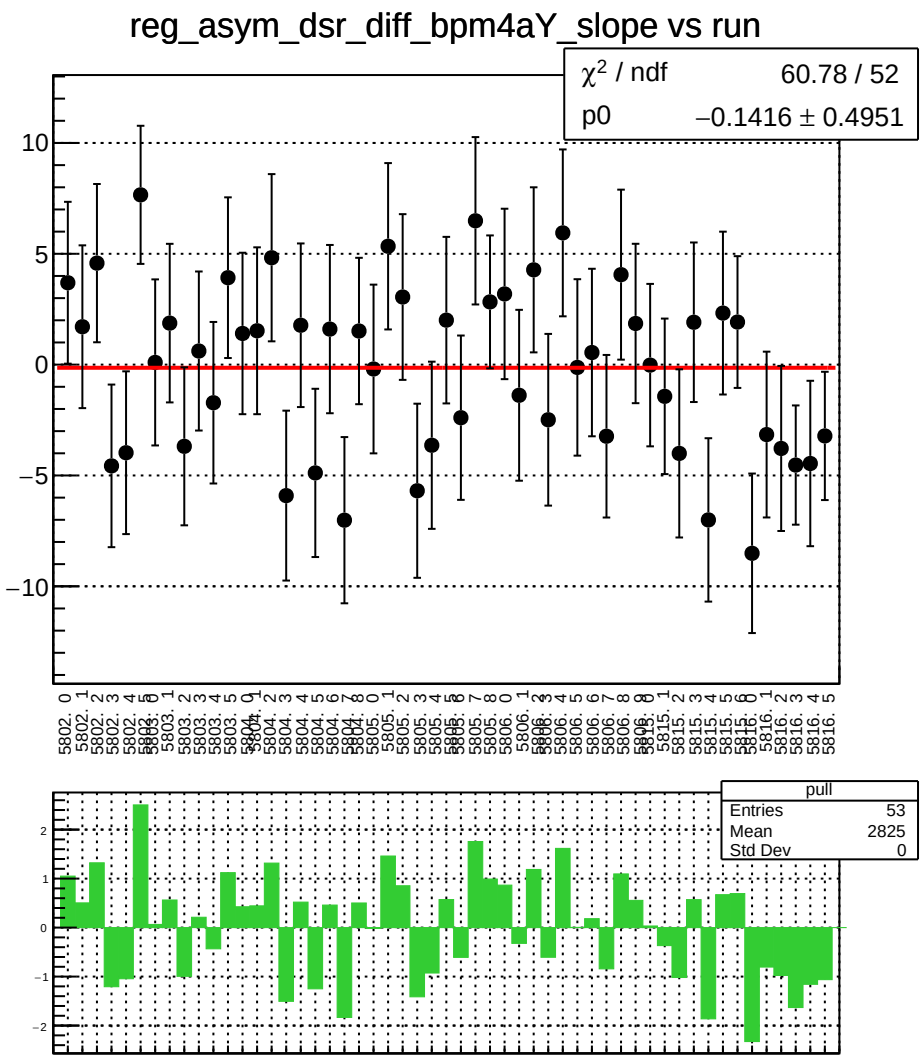

pull1D
Entries 53
Mean −0.001245
Std Dev 1.144

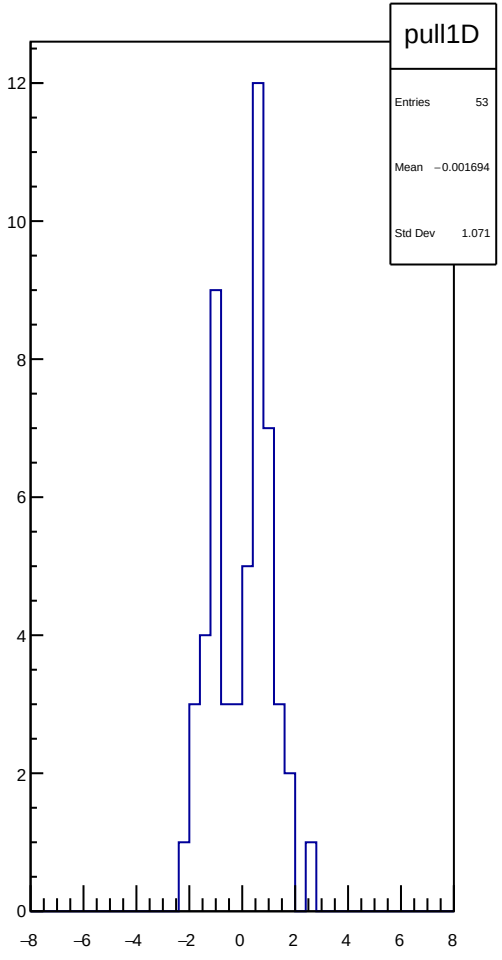

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 37.66 / 52
p0 0.03928 ± 0.02902
pull
Entries 53
Mean −37.88
Std Dev 0

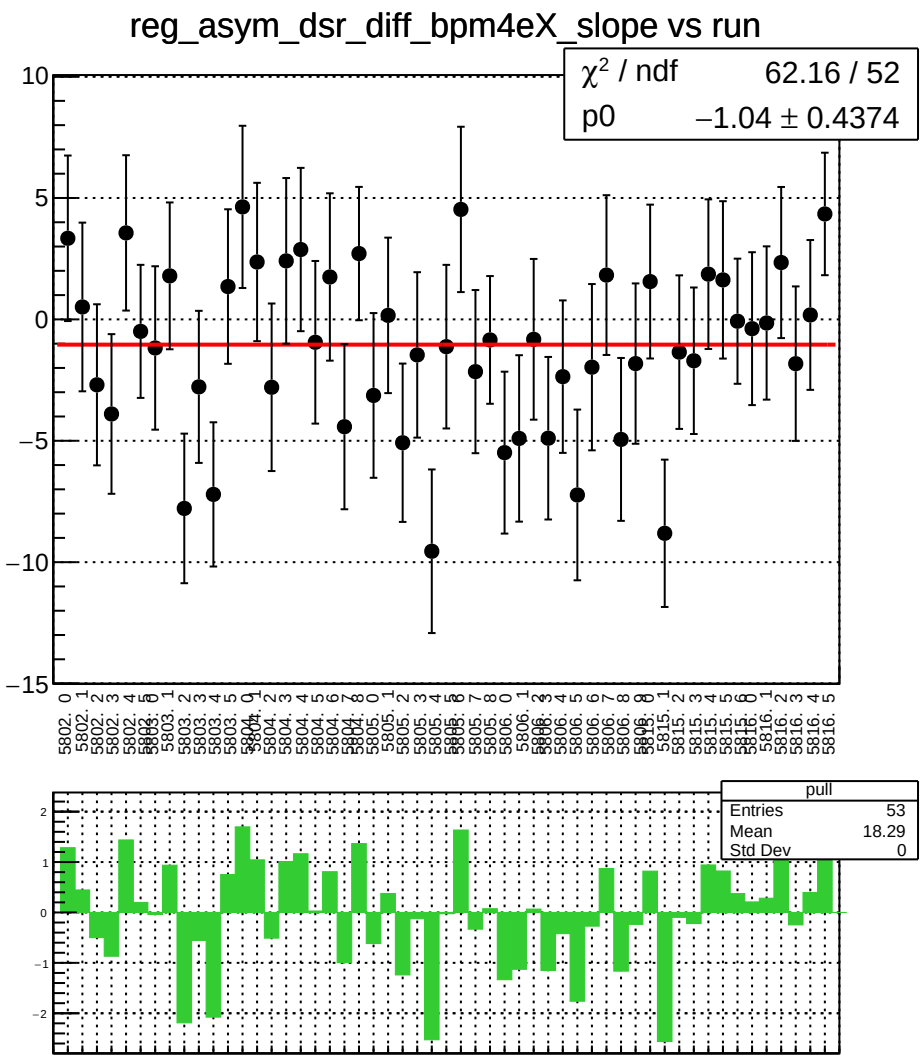

pull1D
Entries 53
Mean −0.01633
Std Dev 0.8428

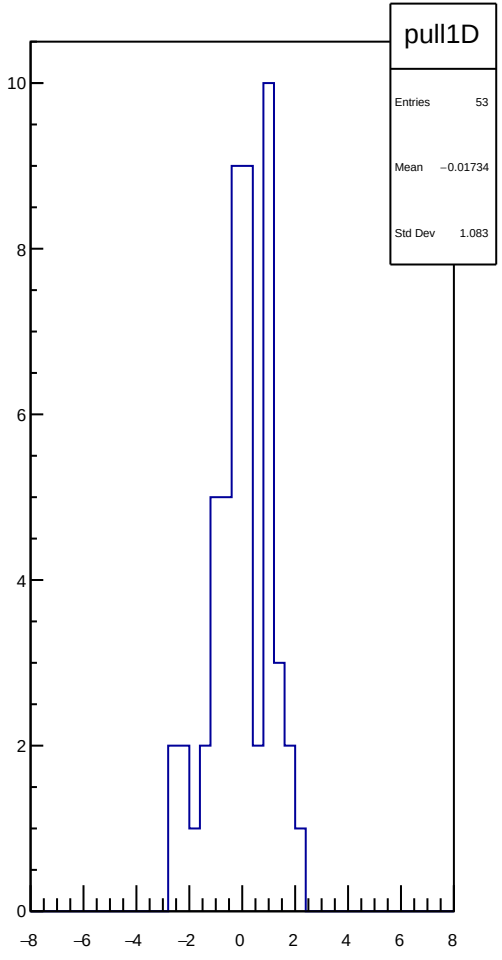

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 63.59 / 52
p0 0.6085 ± 0.2989
pull
Entries 53
Mean 3.455
Std Dev 0

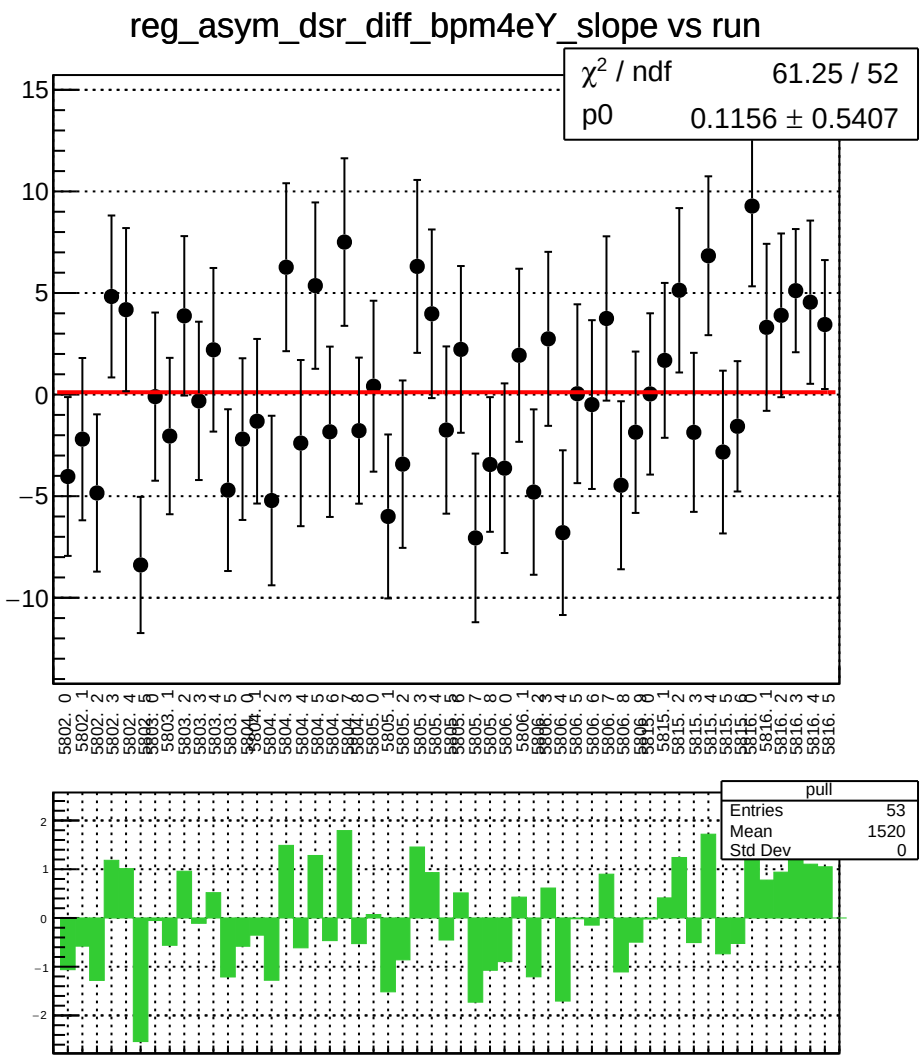

pull1D
Entries 53
Mean 0.01511
Std Dev 1.095

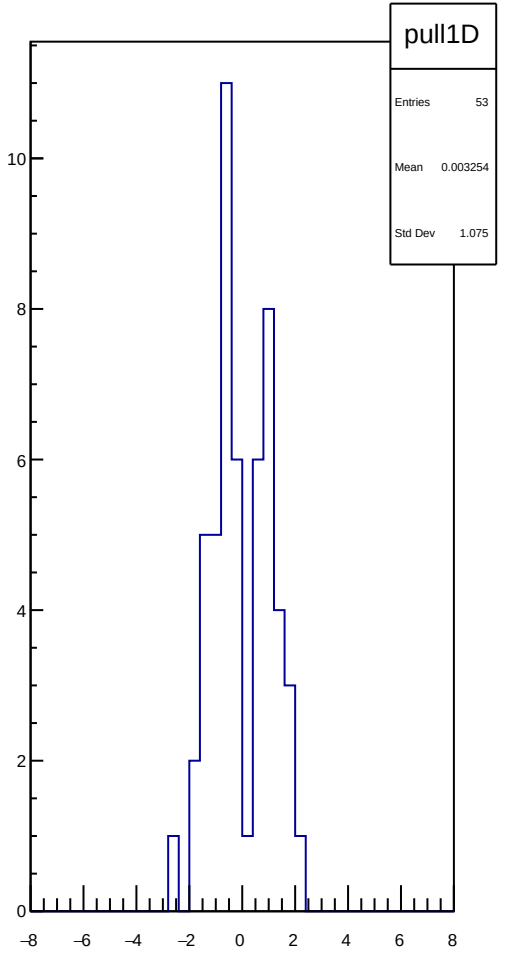

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 60.78 / 52
p0 −0.1416 ± 0.4951
pull
Entries 53
Mean 2825
Std Dev 0

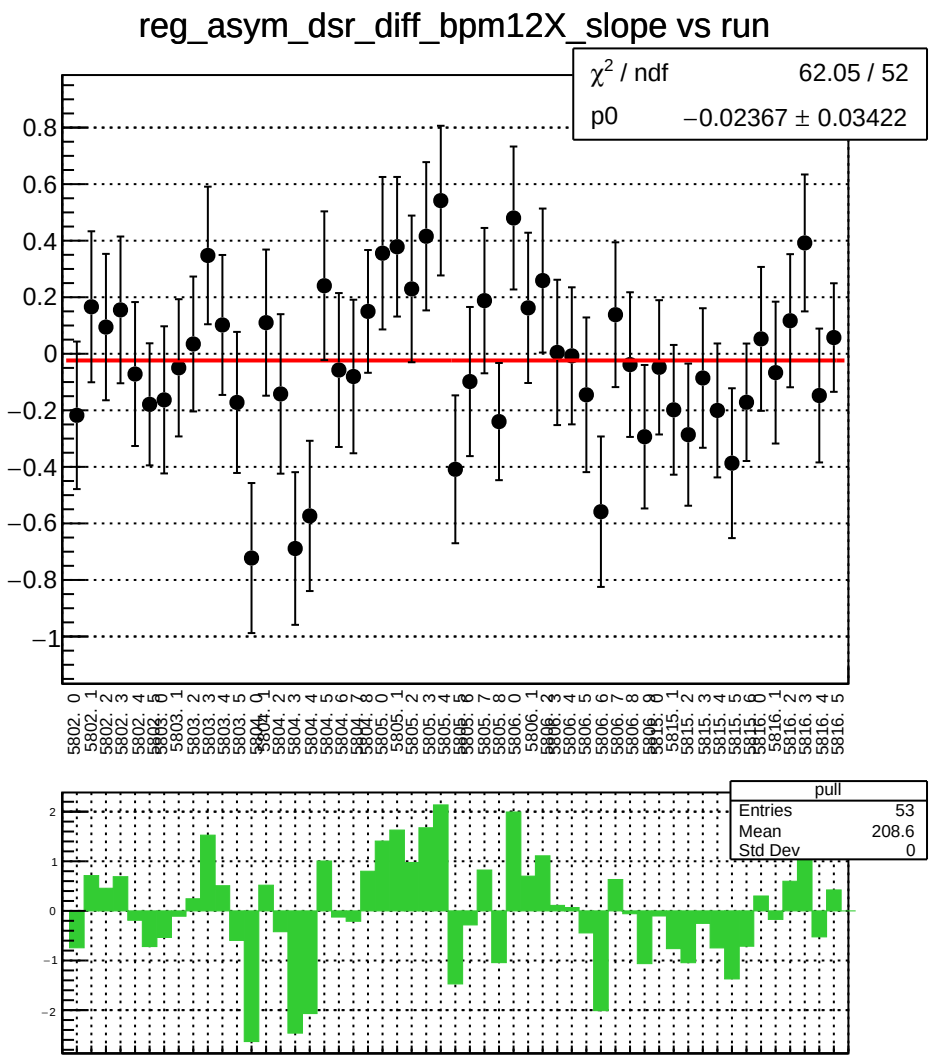

pull1D
Entries 53
Mean −0.001694
Std Dev 1.071

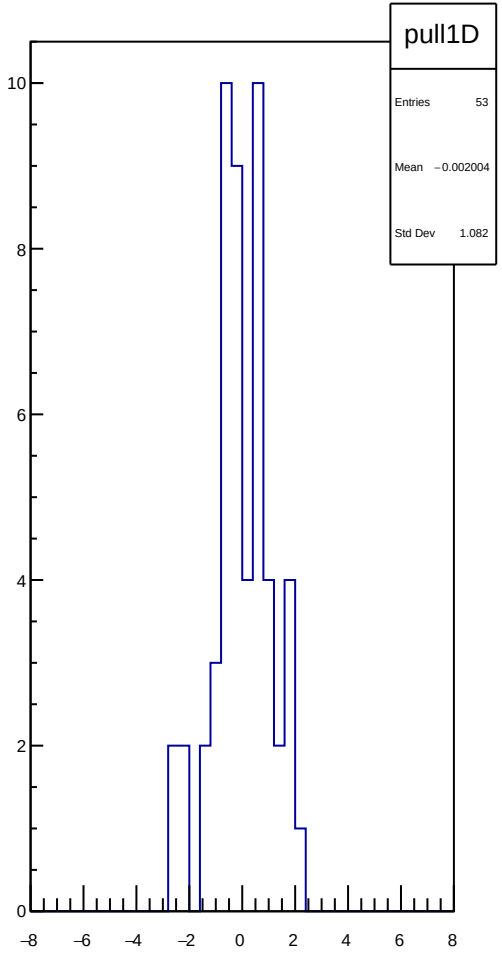

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 62.16 / 52
p0 −1.04 ± 0.4374
pull
Entries 53
Mean 18.29
Std Dev 0

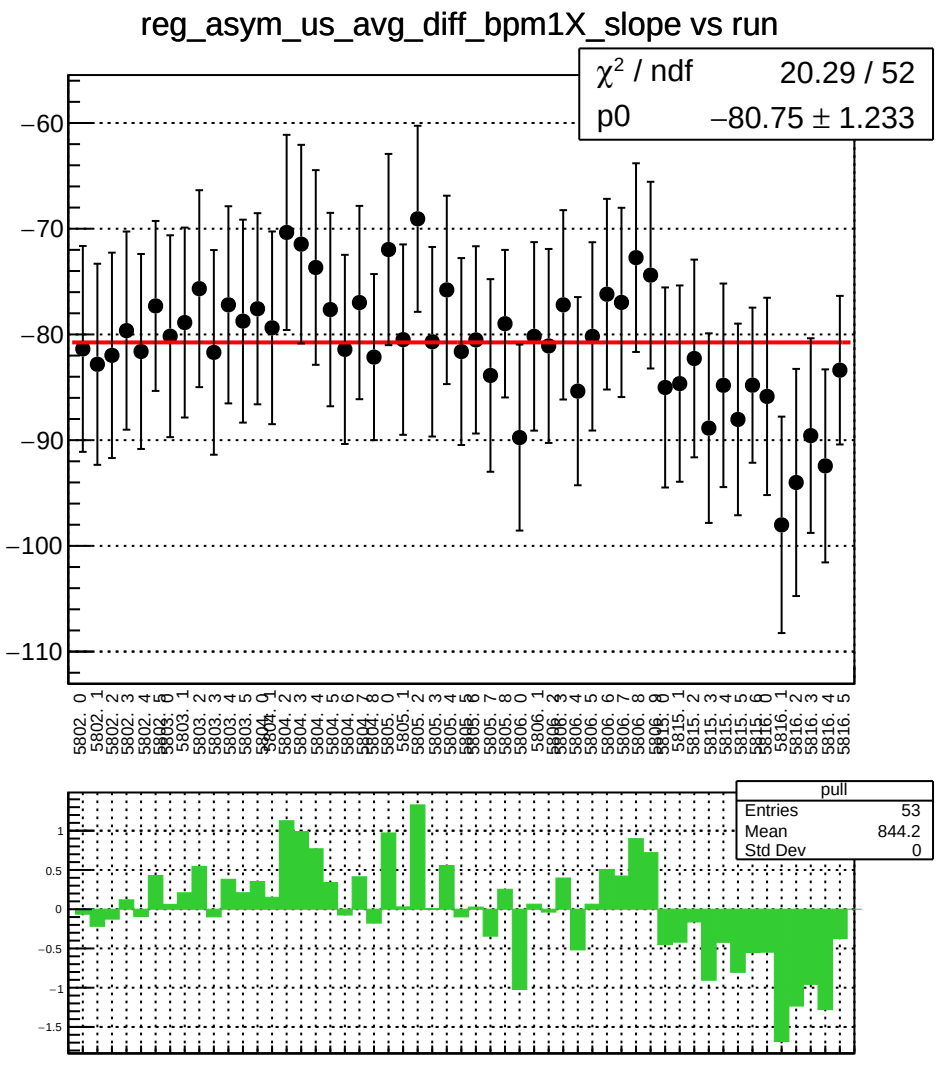

pull1D
Entries 53
Mean −0.01734
Std Dev 1.083

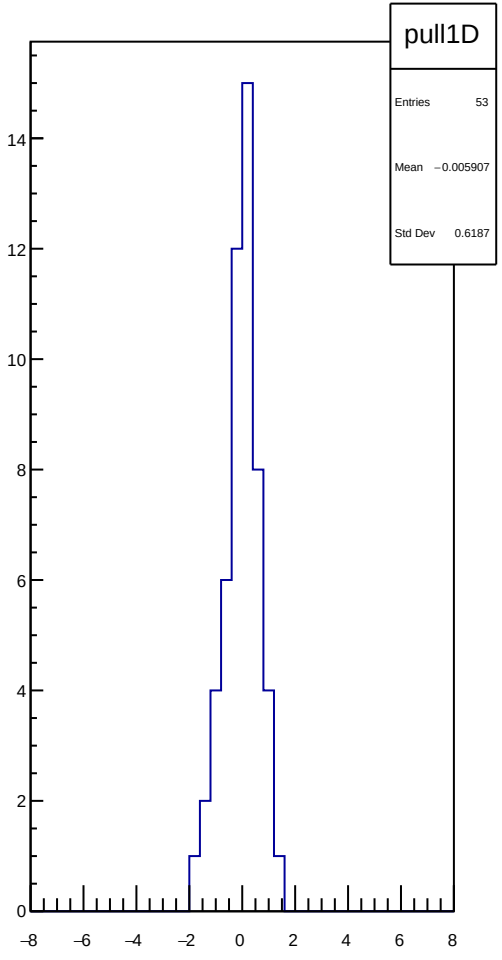

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 61.25 / 52
p0 0.1156 ± 0.5407
pull
Entries 53
Mean 1520
Std Dev 0

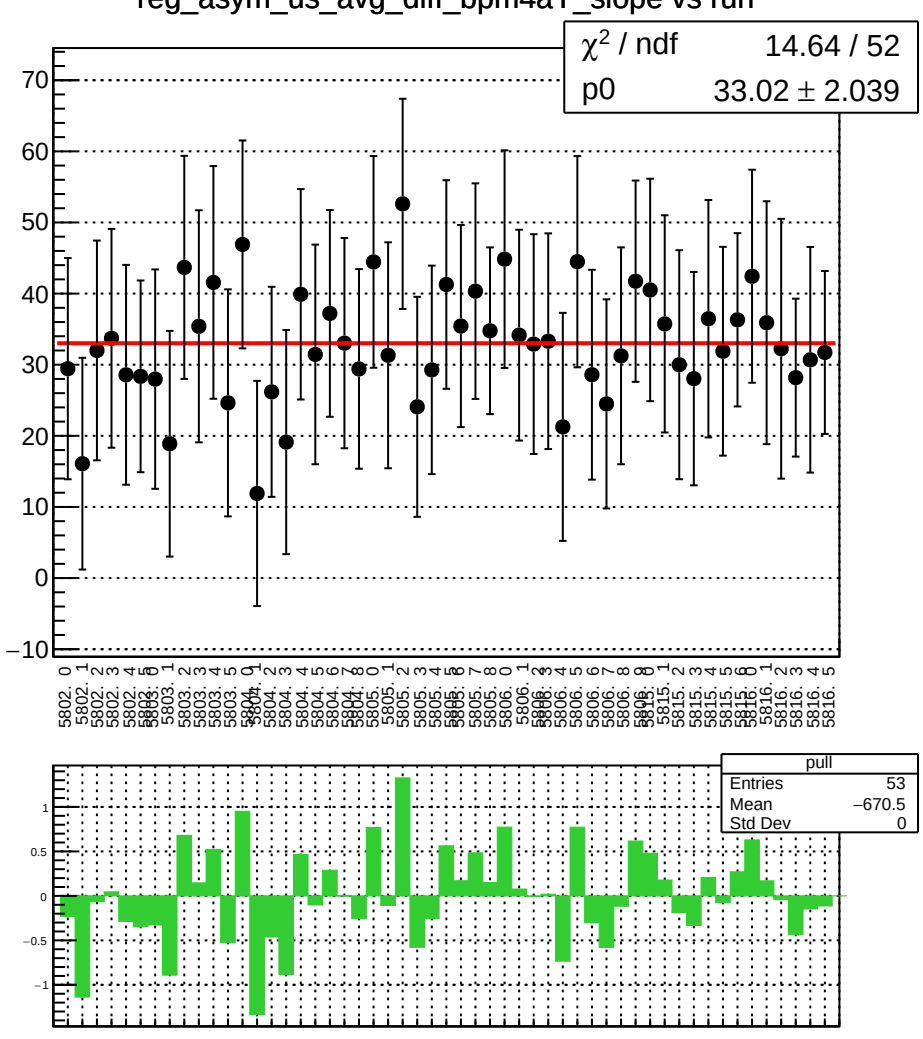

pull1D
Entries 53
Mean 0.003254
Std Dev 1.075

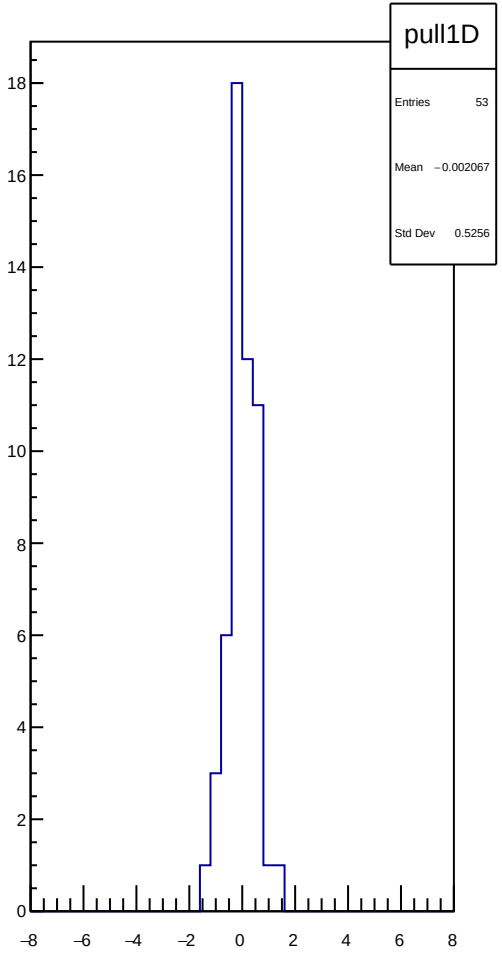

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 62.05 / 52
p0 −0.02367 ± 0.03422
pull
Entries 53
Mean 208.6
Std Dev 0

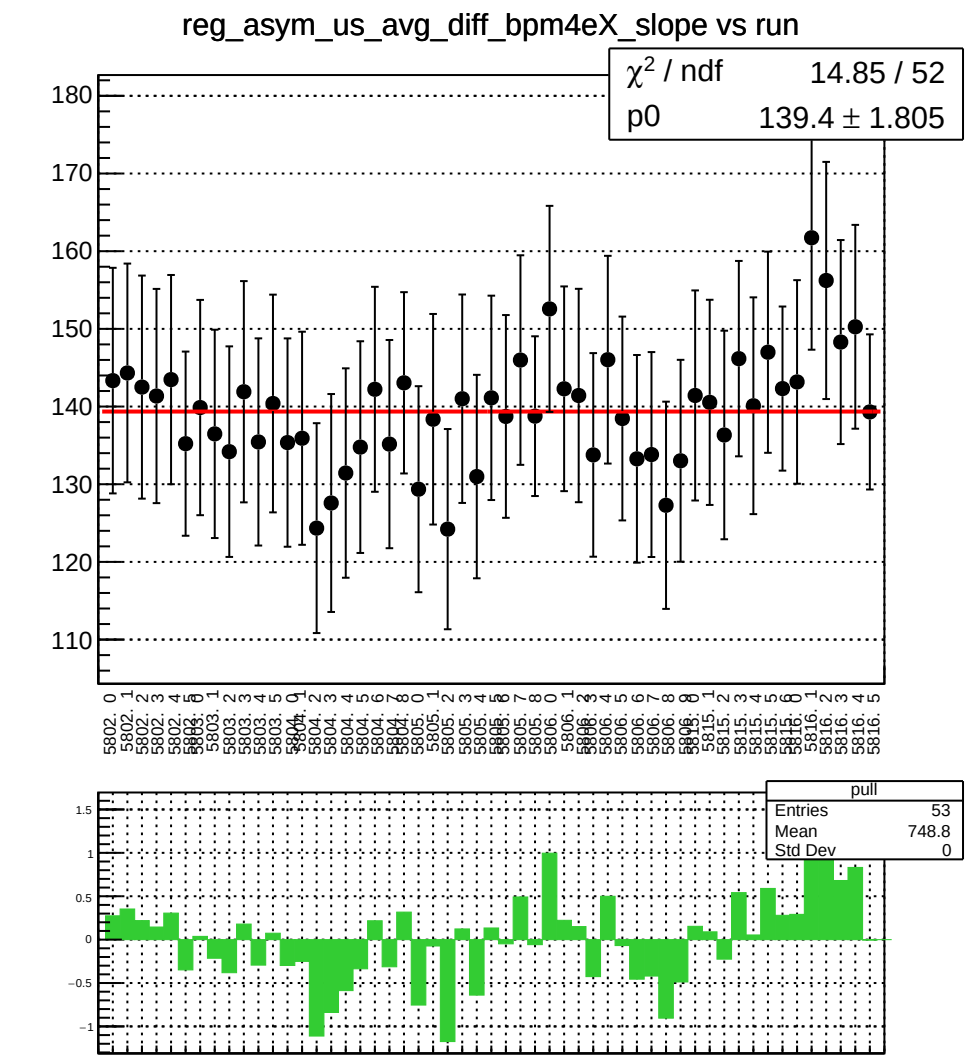

pull1D
Entries 53
Mean −0.002004
Std Dev 1.082

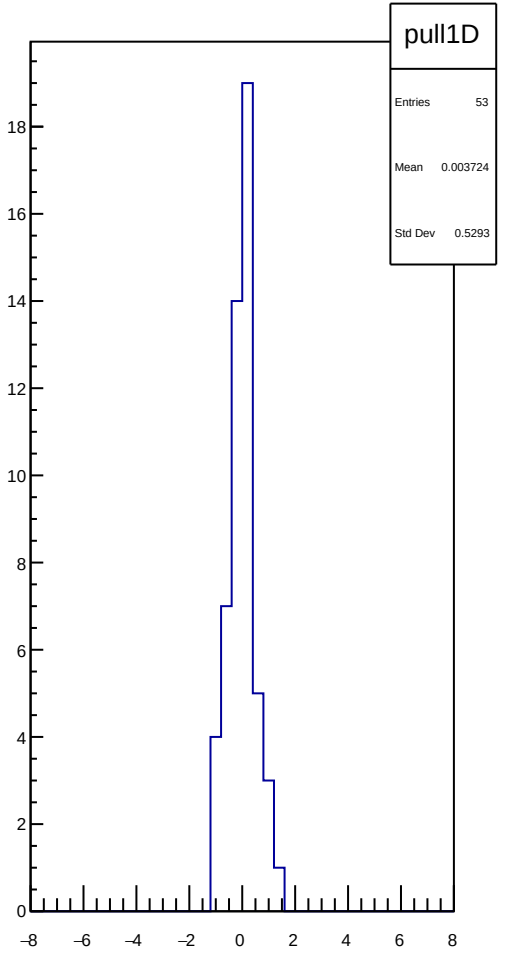

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 20.29 / 52
p0 −80.75 ± 1.233
pull
Entries 53
Mean 844.2
Std Dev 0

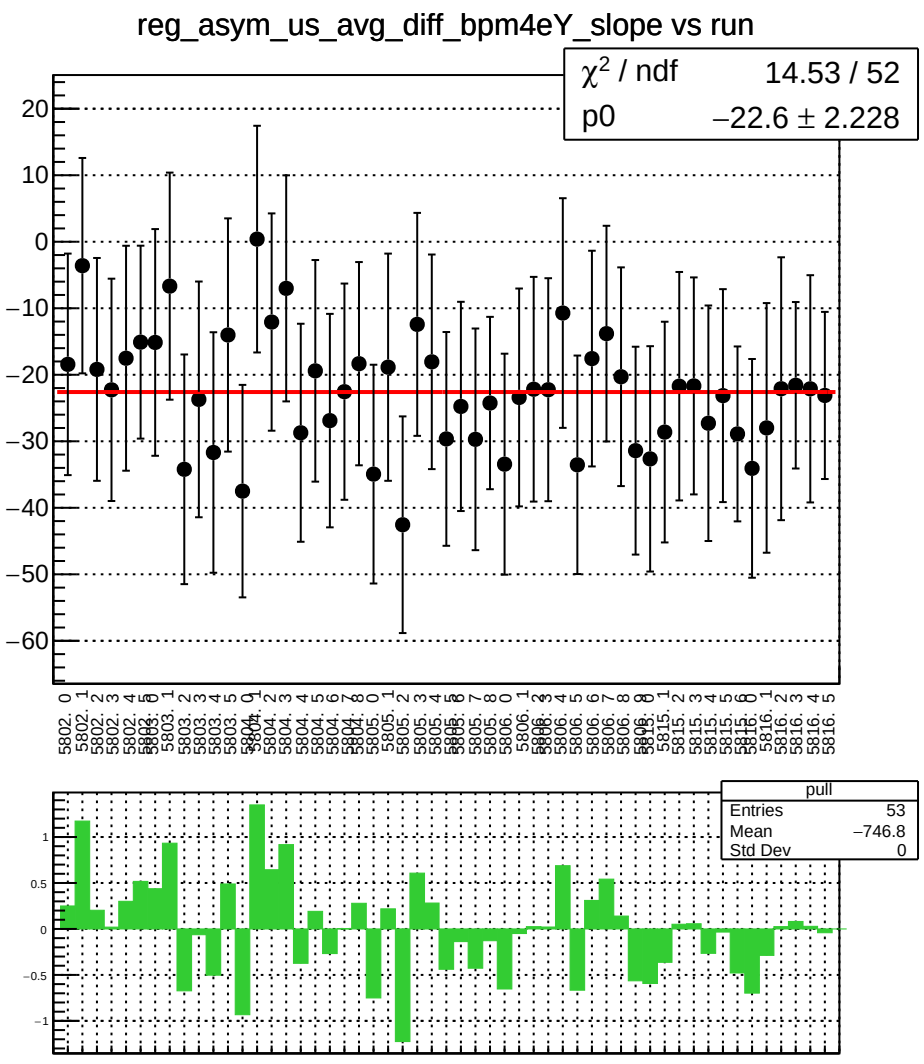

pull1D
Entries 53
Mean −0.005907
Std Dev 0.6187

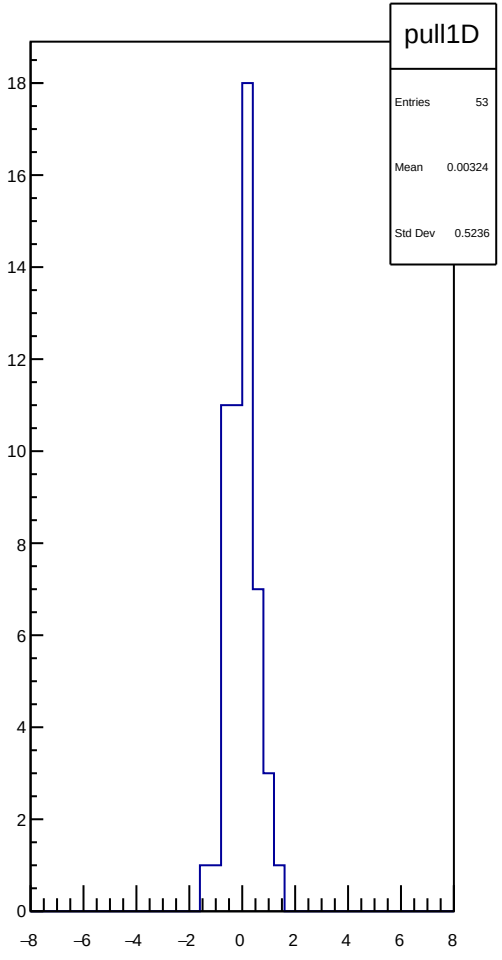

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.64 / 52
p0 33.02 ± 2.039
pull
Entries 53
Mean −670.5
Std Dev 0

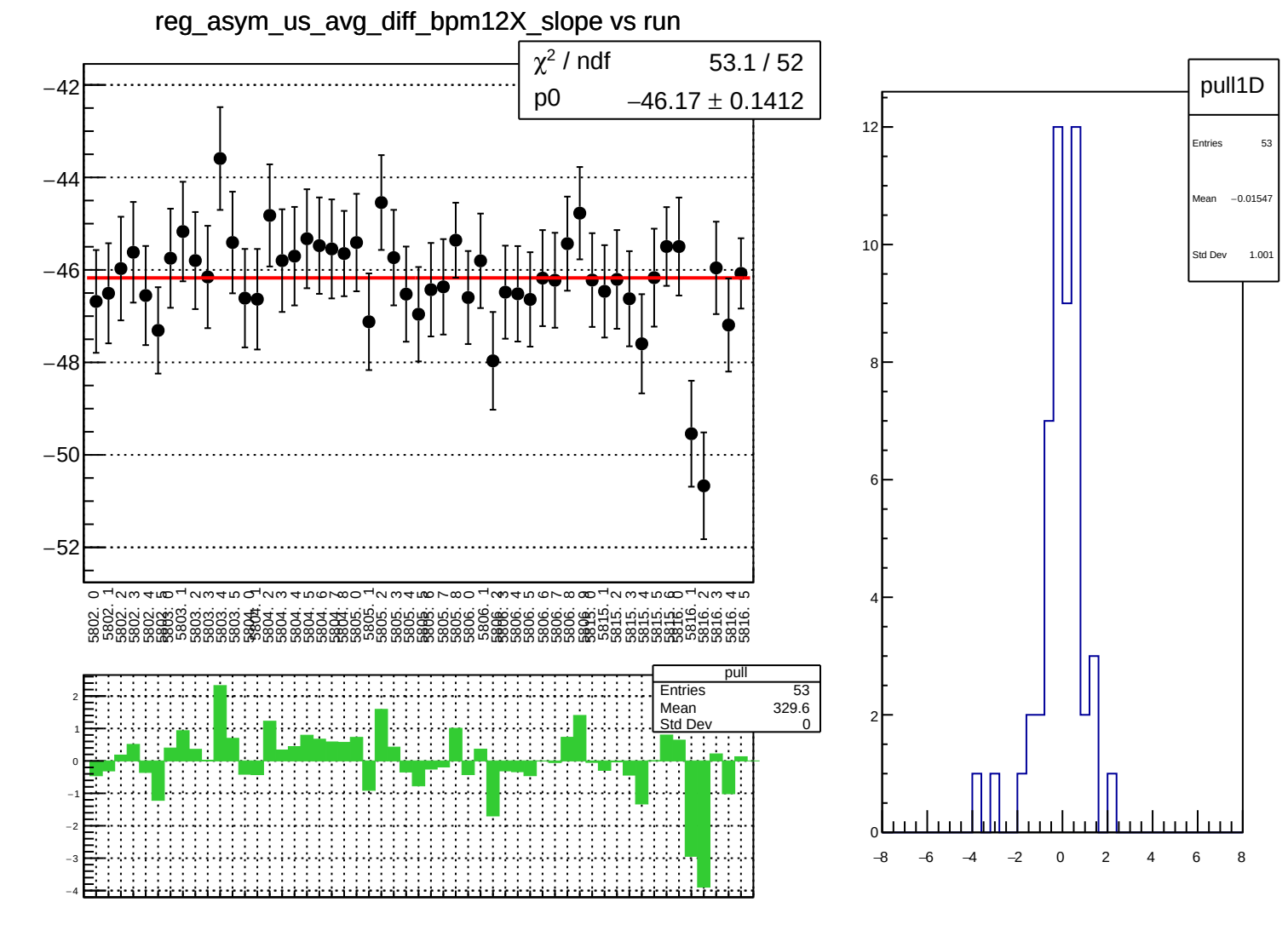

pull1D
Entries 53
Mean −0.002067
Std Dev 0.5256

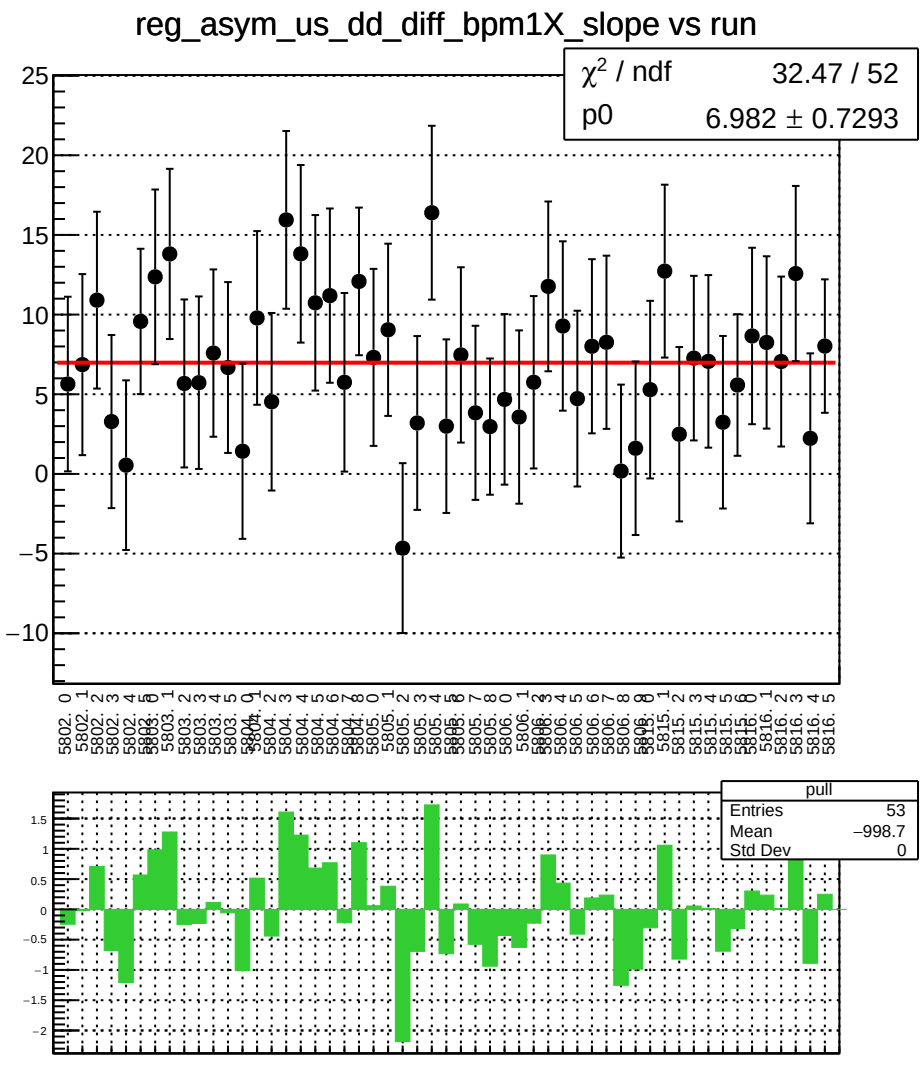

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.85 / 52
p0 139.4 ± 1.805
pull
Entries 53
Mean 748.8
Std Dev 0

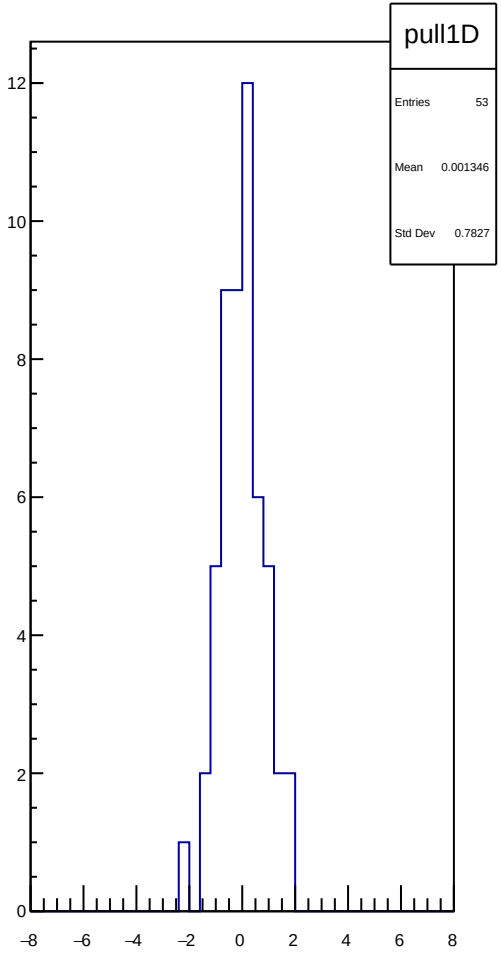

pull1D
Entries 53
Mean 0.003724
Std Dev 0.5293

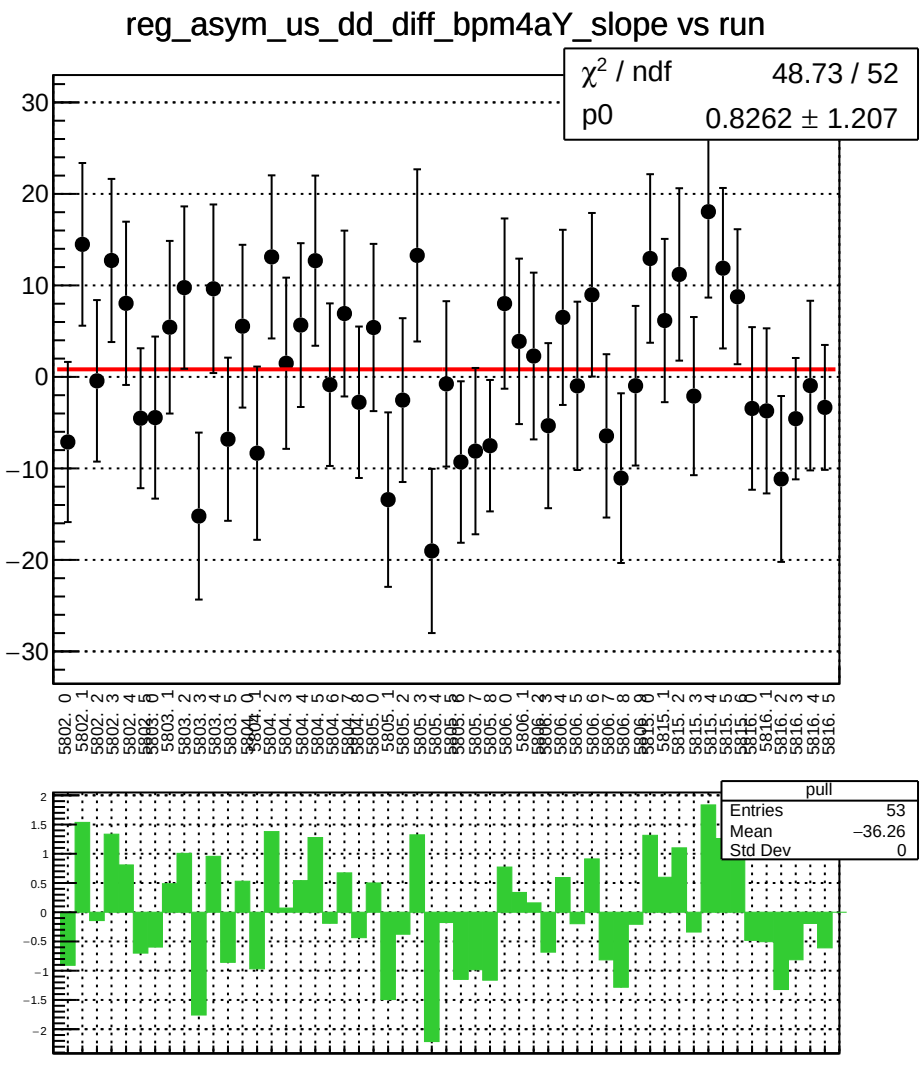

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.53 / 52
p0 −22.6 ± 2.228
pull
Entries 53
Mean −746.8
Std Dev 0

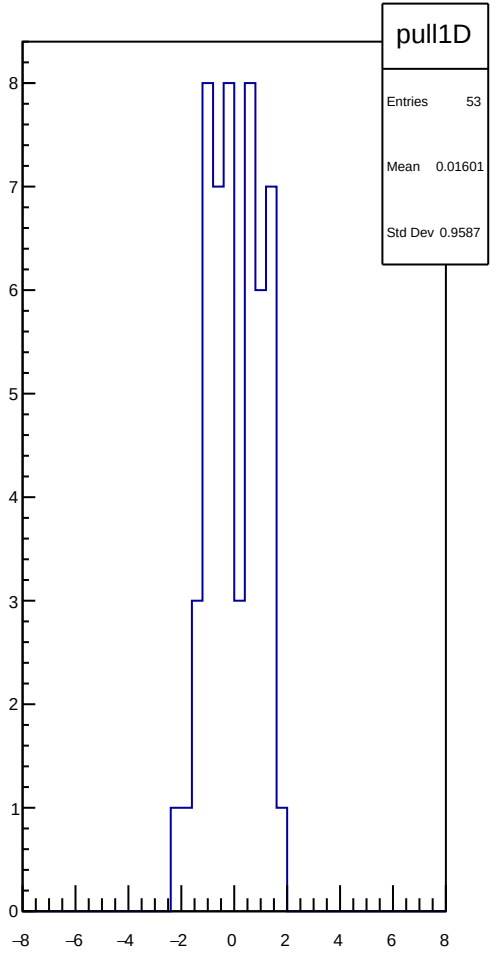

pull1D
Entries 53
Mean 0.00324
Std Dev 0.5236

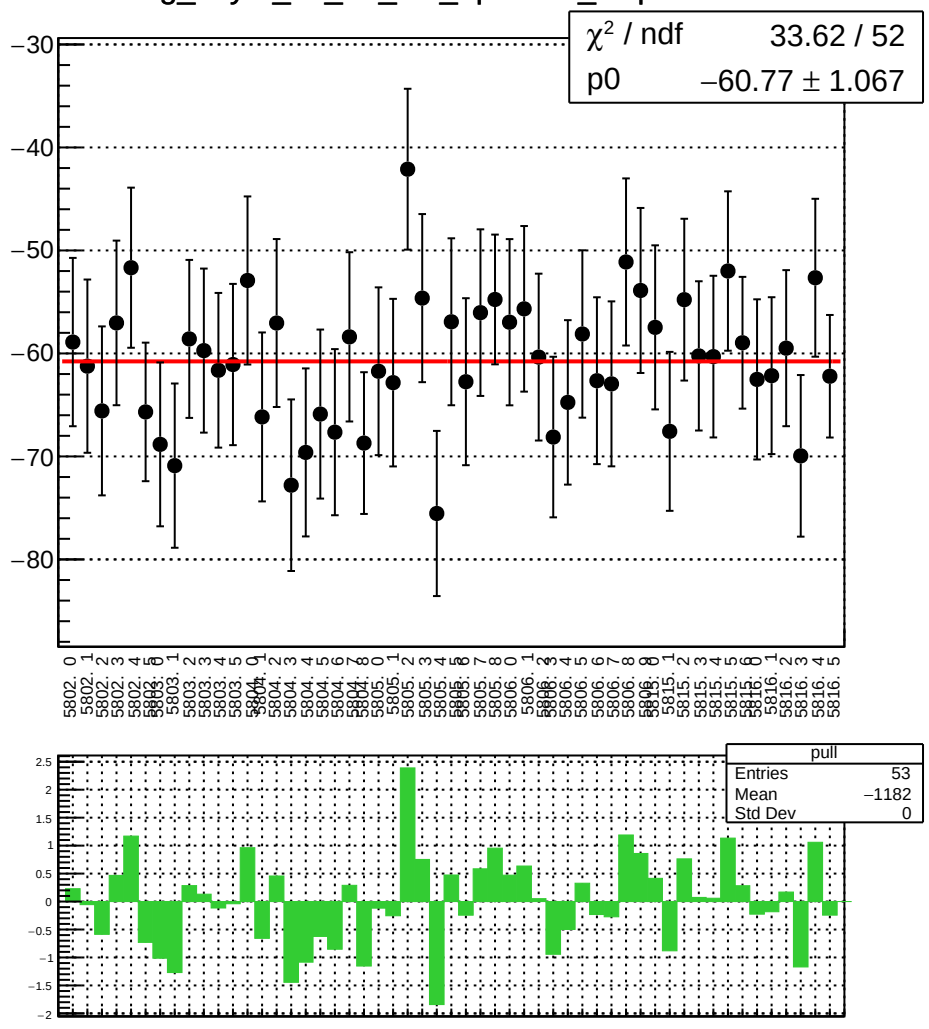

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 53.1 / 52
p0 −46.17 ± 0.1412
pull
Entries 53
Mean 329.6
Std Dev 0
pull1D
Entries 53
Mean −0.01547
Std Dev 1.001

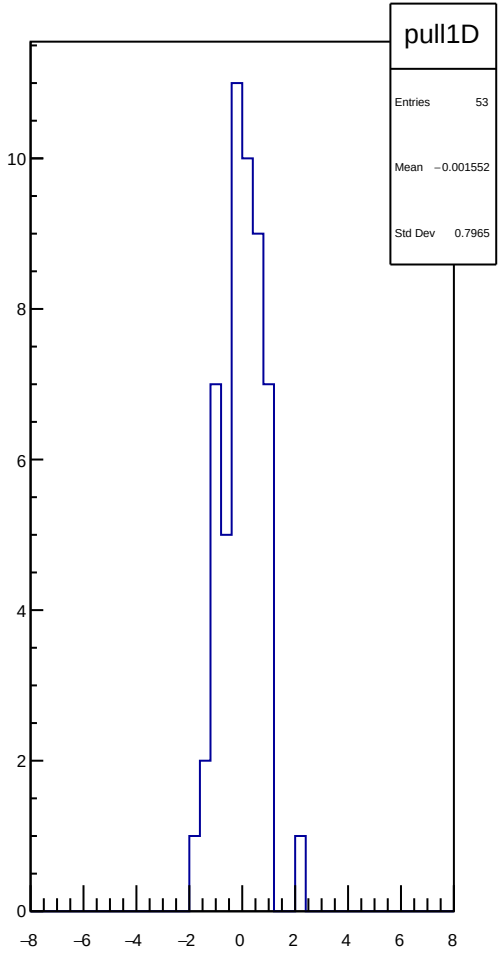

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 32.47 / 52
p0 6.982 ± 0.7293
pull
Entries 53
Mean −998.7
Std Dev 0

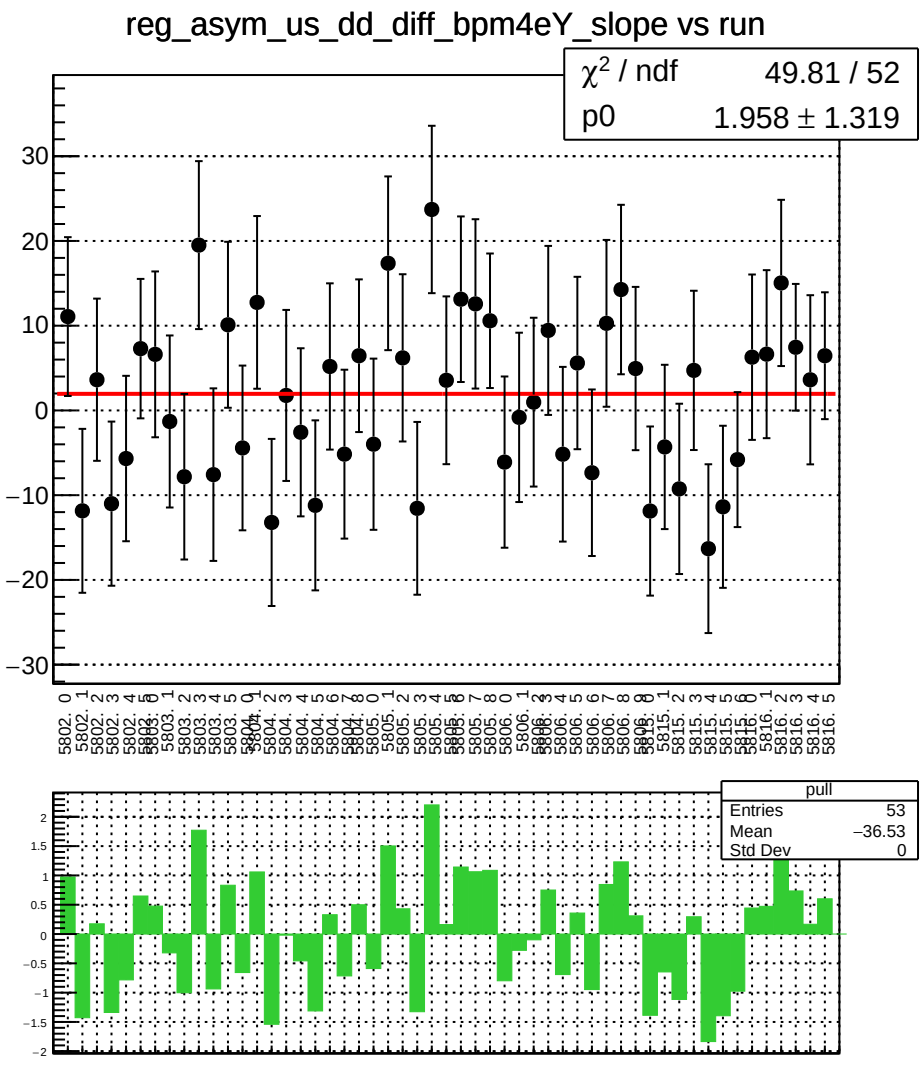

pull1D
Entries 53
Mean 0.001346
Std Dev 0.7827

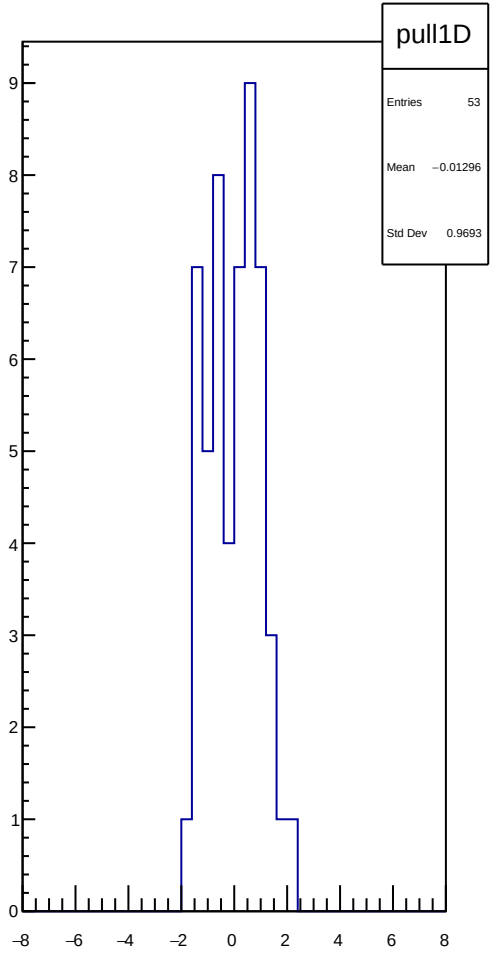

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.73 / 52
p0 0.8262 ± 1.207
pull
Entries 53
Mean −36.26
Std Dev 0

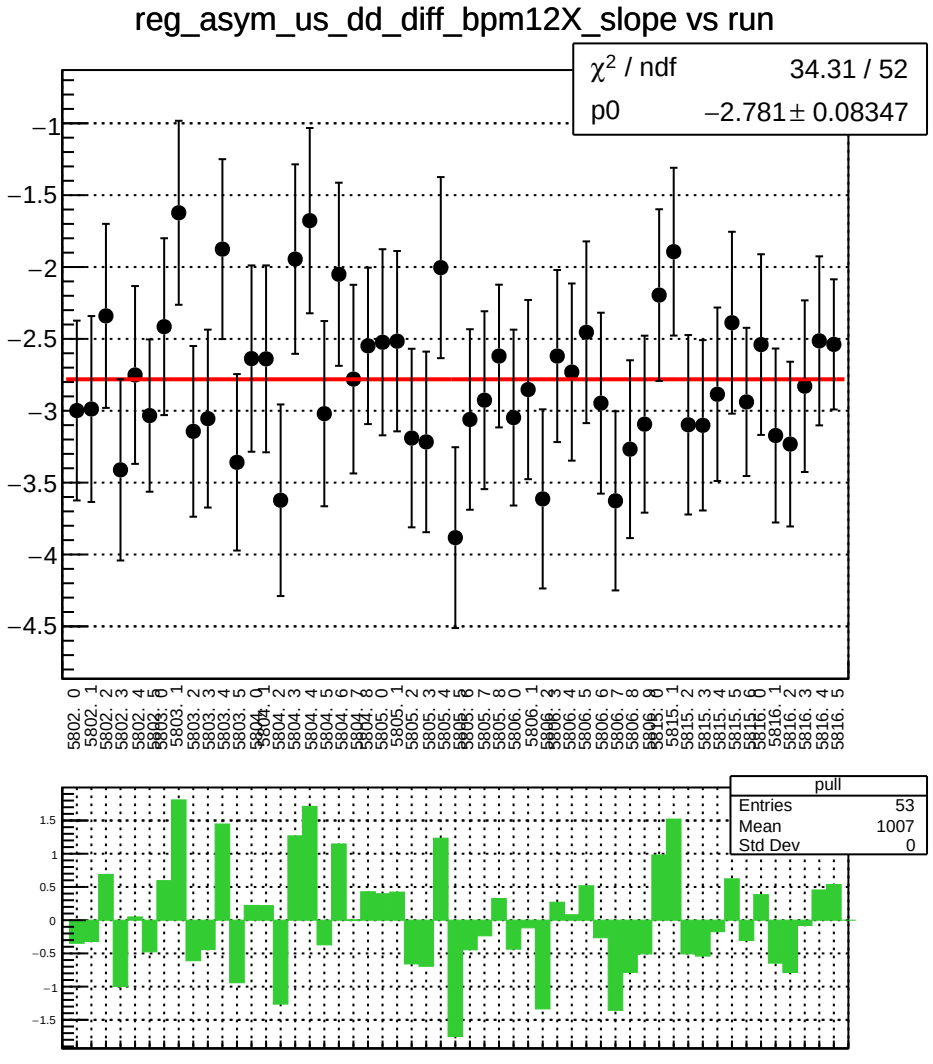

pull1D
Entries 53
Mean 0.01601
Std Dev 0.9587

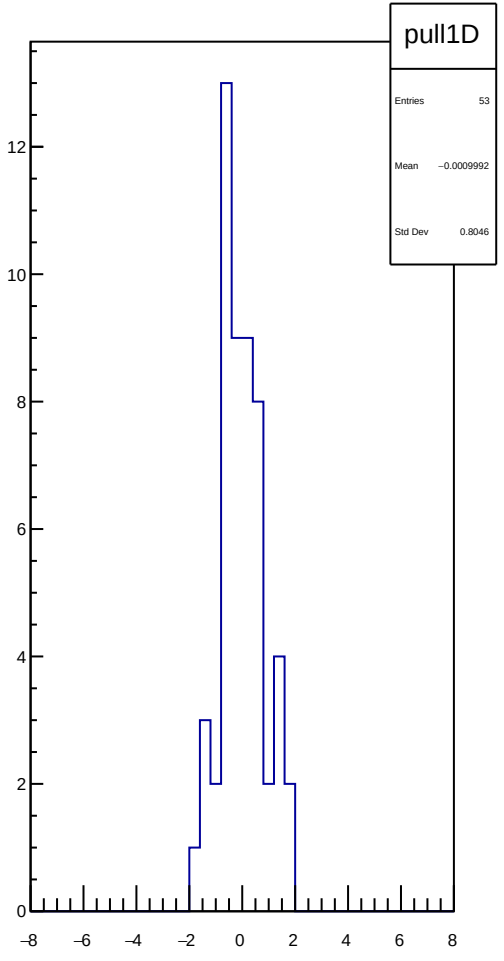

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.62 / 52
p0 −60.77 ± 1.067
pull
Entries 53
Mean −1182
Std Dev 0

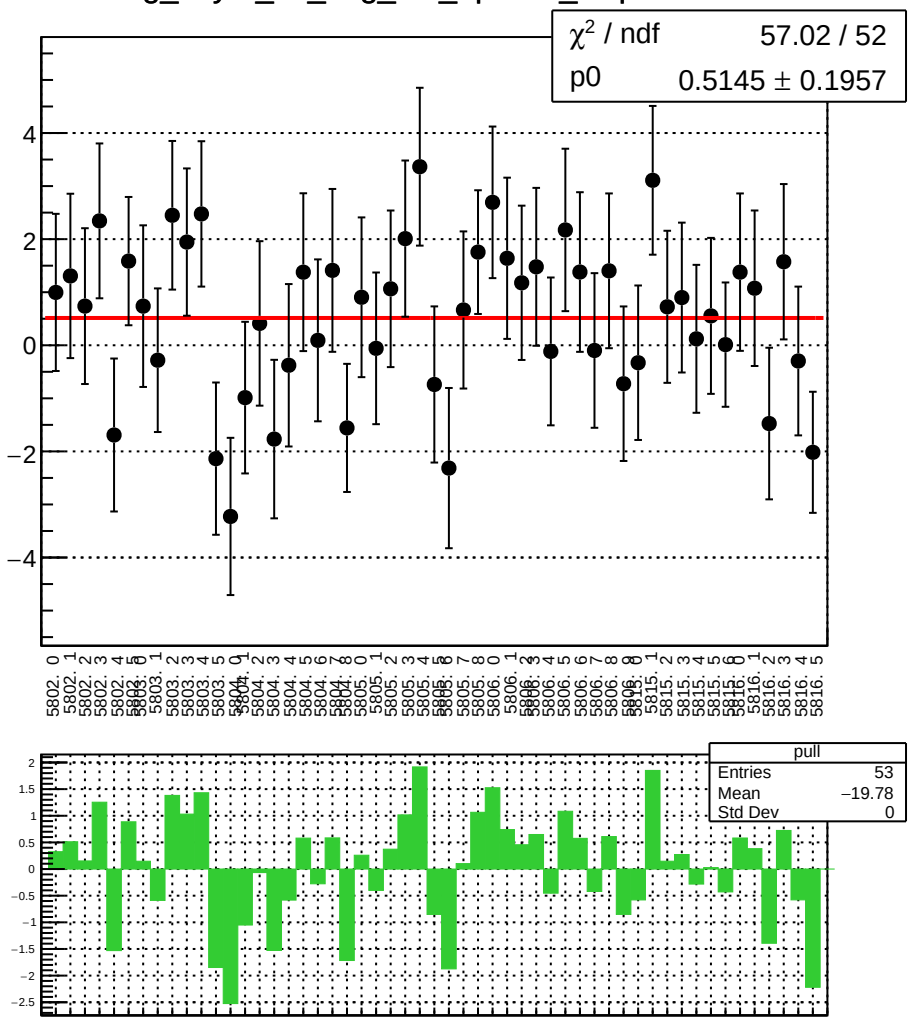

pull1D
Entries 53
Mean −0.001552
Std Dev 0.7965

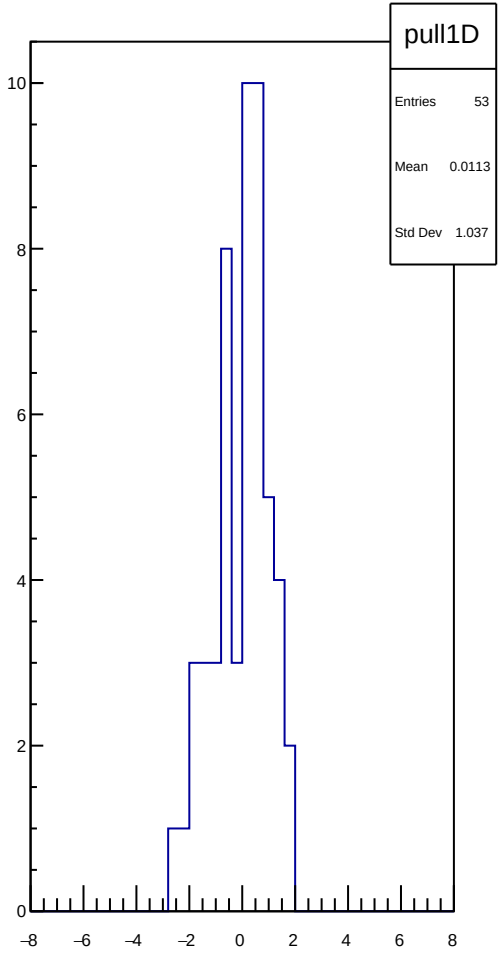

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.81 / 52
p0 1.958 ± 1.319
pull
Entries 53
Mean −36.53
Std Dev 0

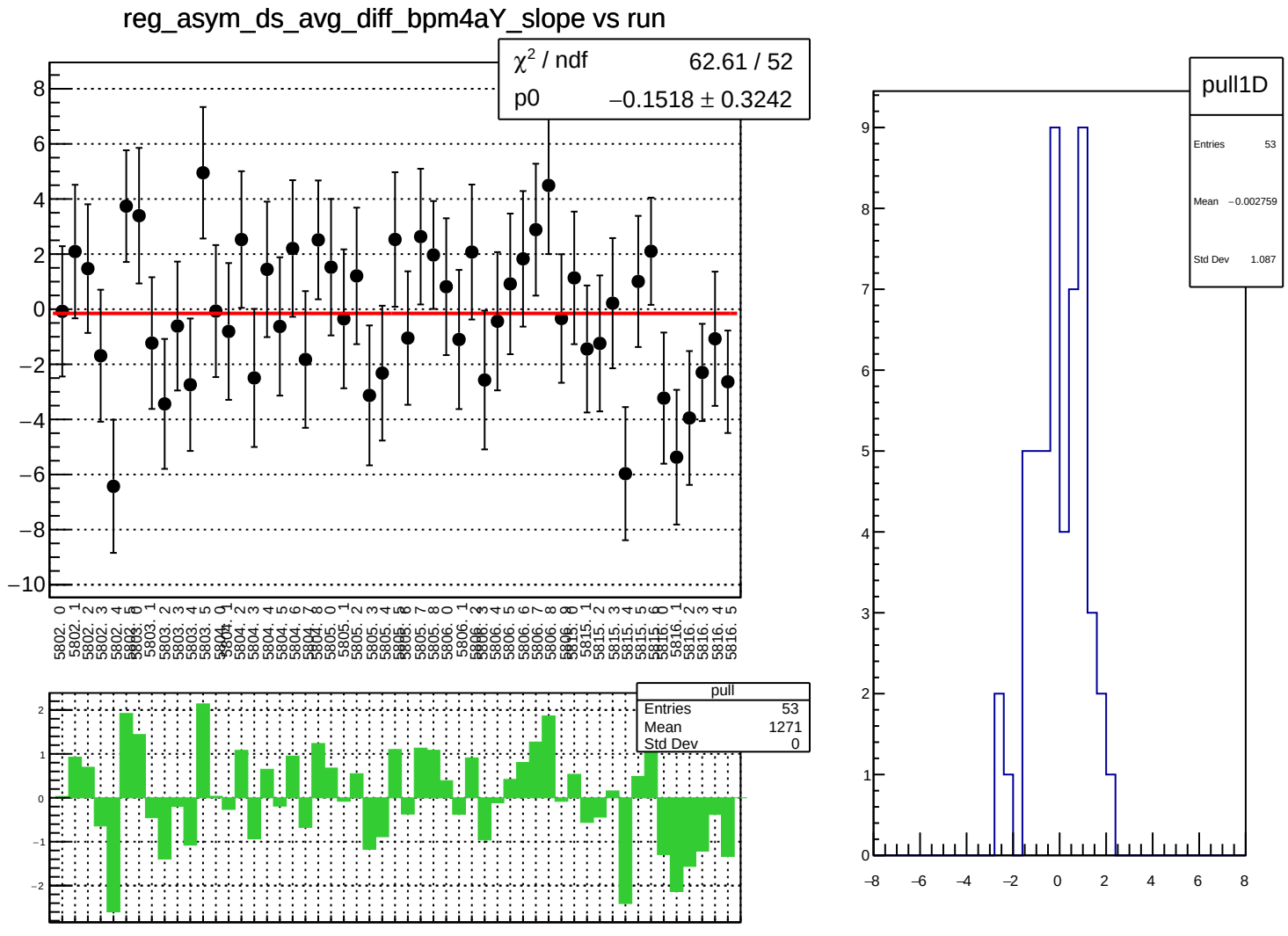

pull1D
Entries 53
Mean −0.01296
Std Dev 0.9693

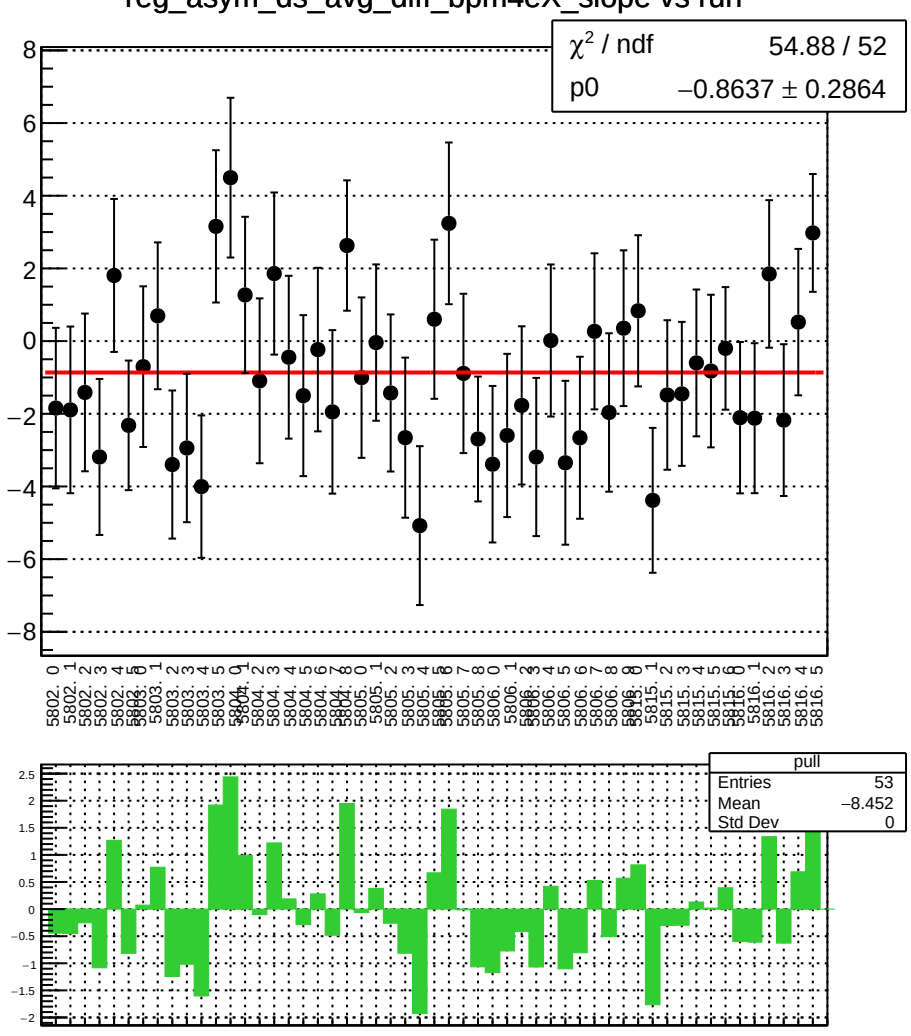

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 34.31 / 52
p0 −2.781 ± 0.08347
pull
Entries 53
Mean 1007
Std Dev 0

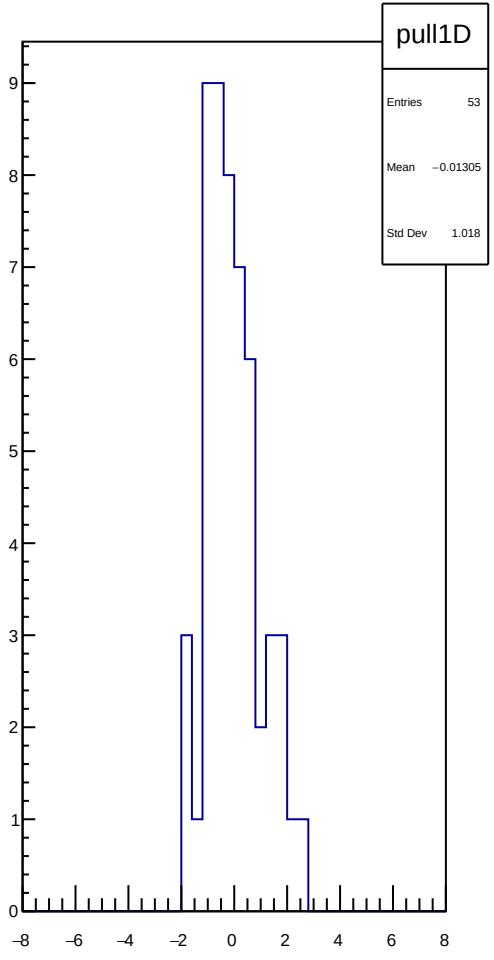

pull1D
Entries 53
Mean −0.0009992
Std Dev 0.8046

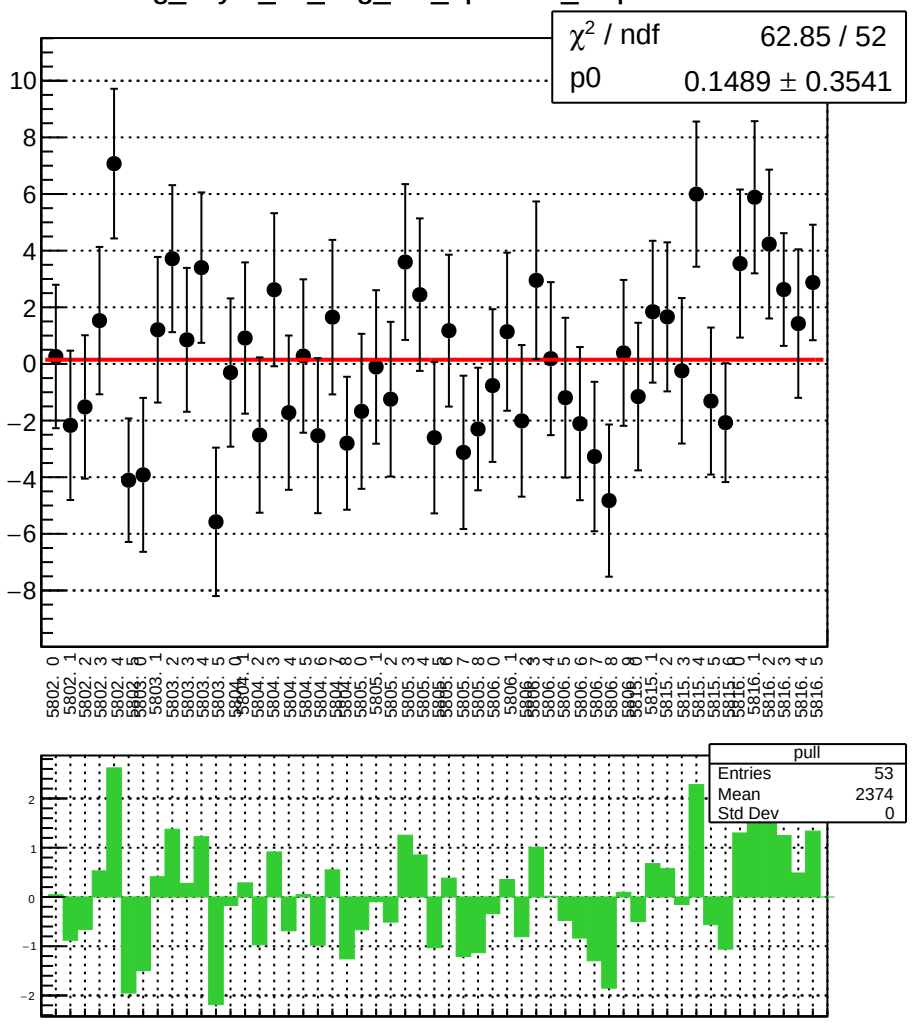

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 57.02 / 52
p0 0.5145 ± 0.1957
pull
Entries 53
Mean −19.78
Std Dev 0

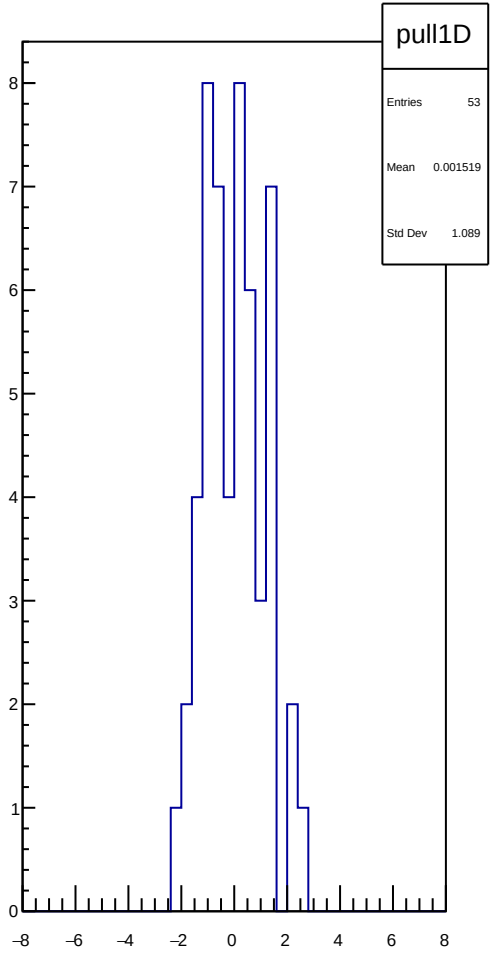

pull1D
Entries 53
Mean 0.0113
Std Dev 1.037

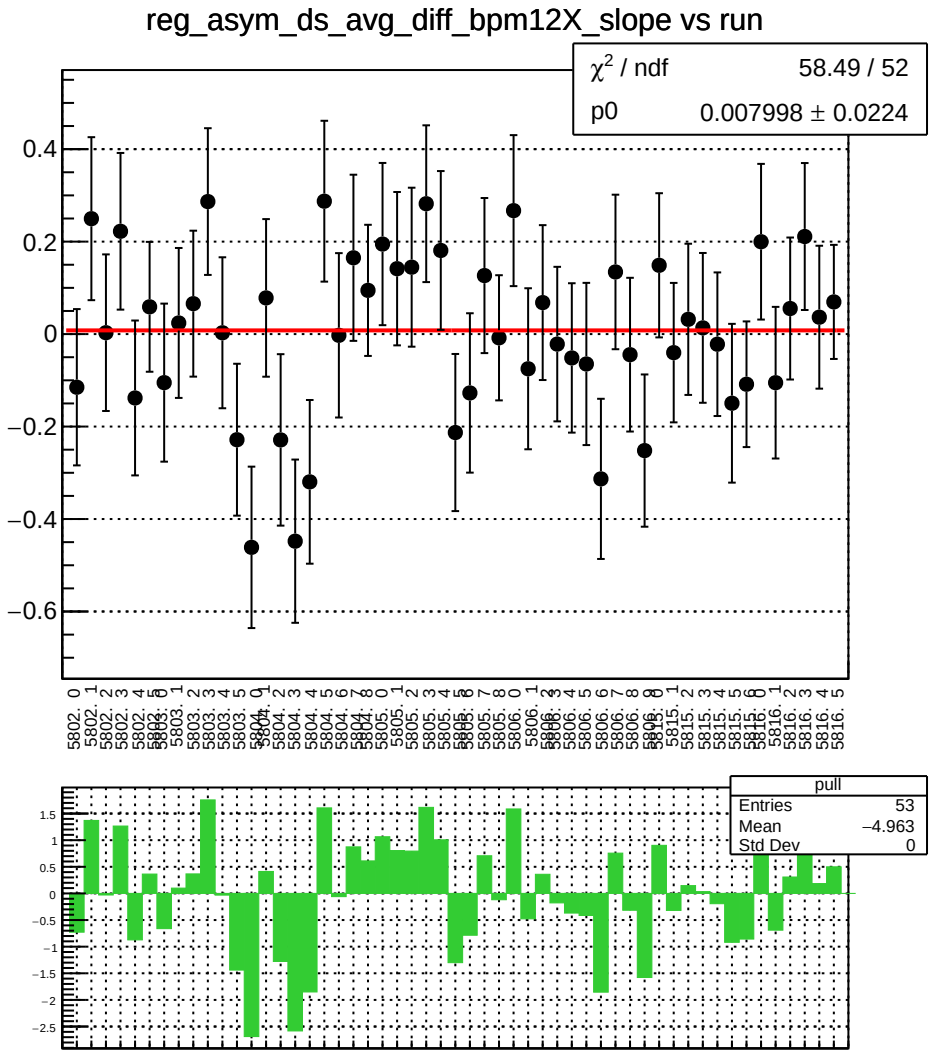

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.61 / 52
p0 −0.1518 ± 0.3242
pull
Entries 53
Mean 1271
Std Dev 0
pull1D
Entries 53
Mean −0.002759
Std Dev 1.087

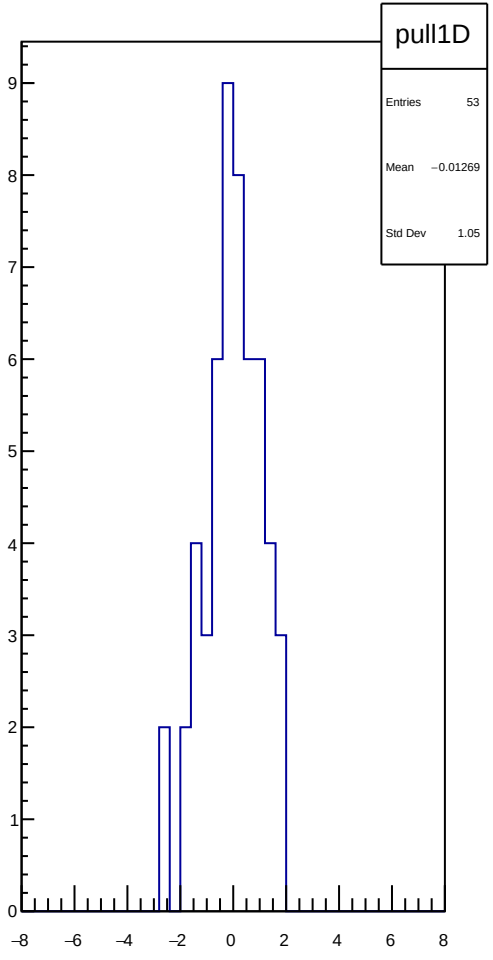

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.88 / 52
p0 −0.8637 ± 0.2864
pull
Entries 53
Mean −8.452
Std Dev 0

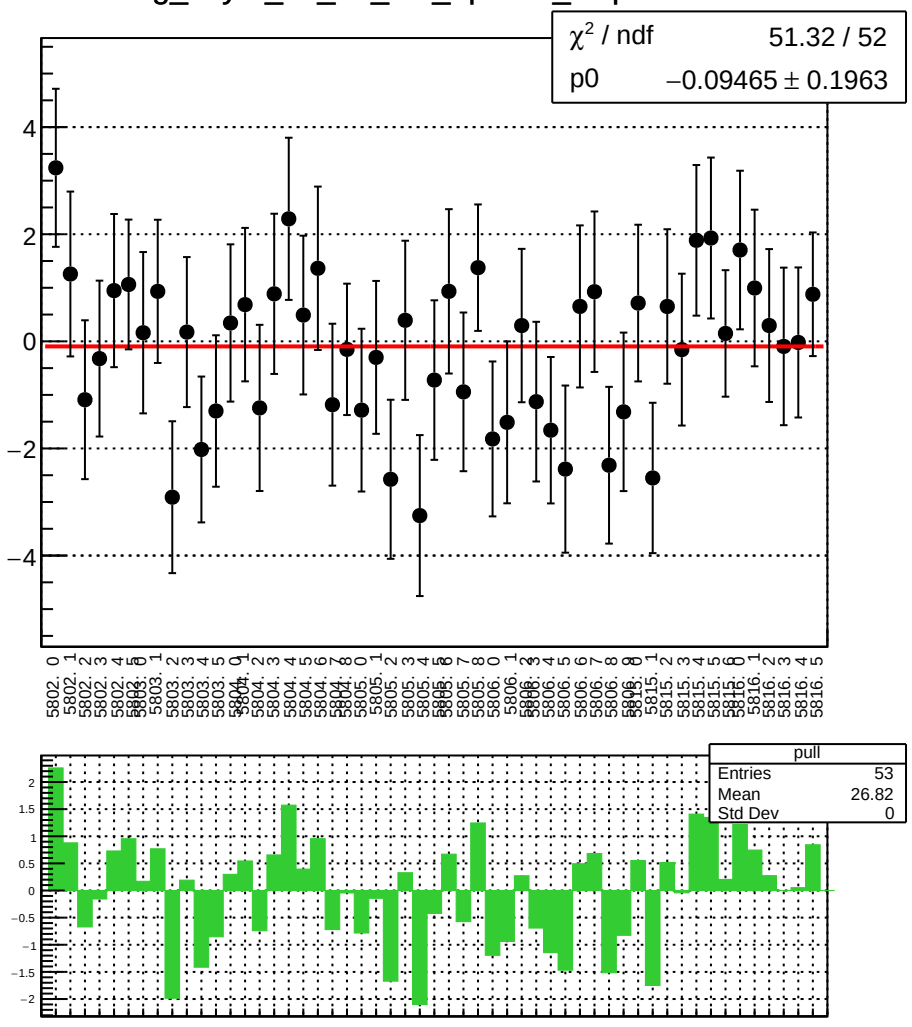

pull1D
Entries 53
Mean −0.01305
Std Dev 1.018

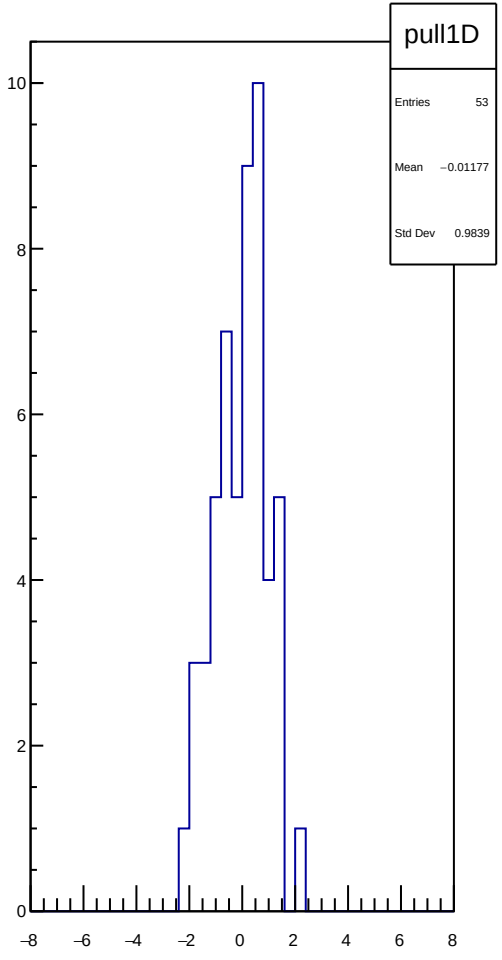

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.85 / 52
p0 0.1489 ± 0.3541
pull
Entries 53
Mean 2374
Std Dev 0

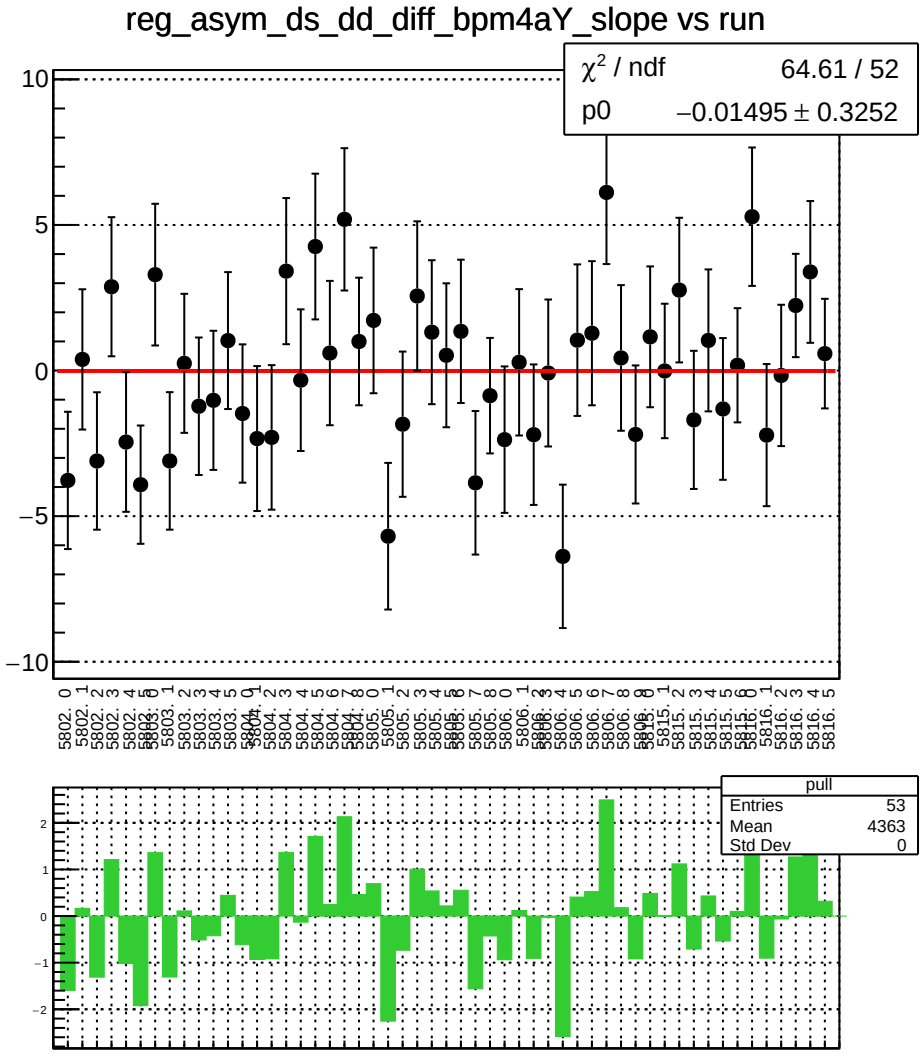

pull1D
Entries 53
Mean 0.001519
Std Dev 1.089

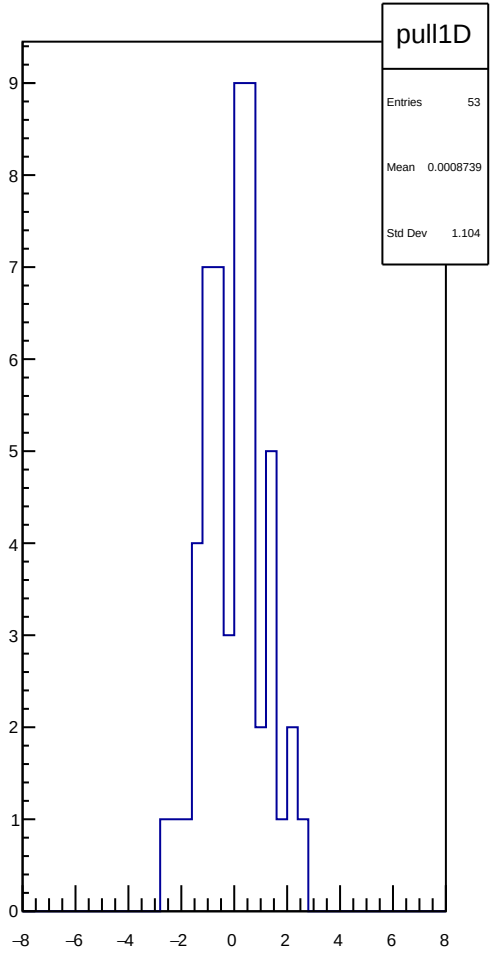

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 58.49 / 52
p0 0.007998 ± 0.0224
pull
Entries 53
Mean −4.963
Std Dev 0

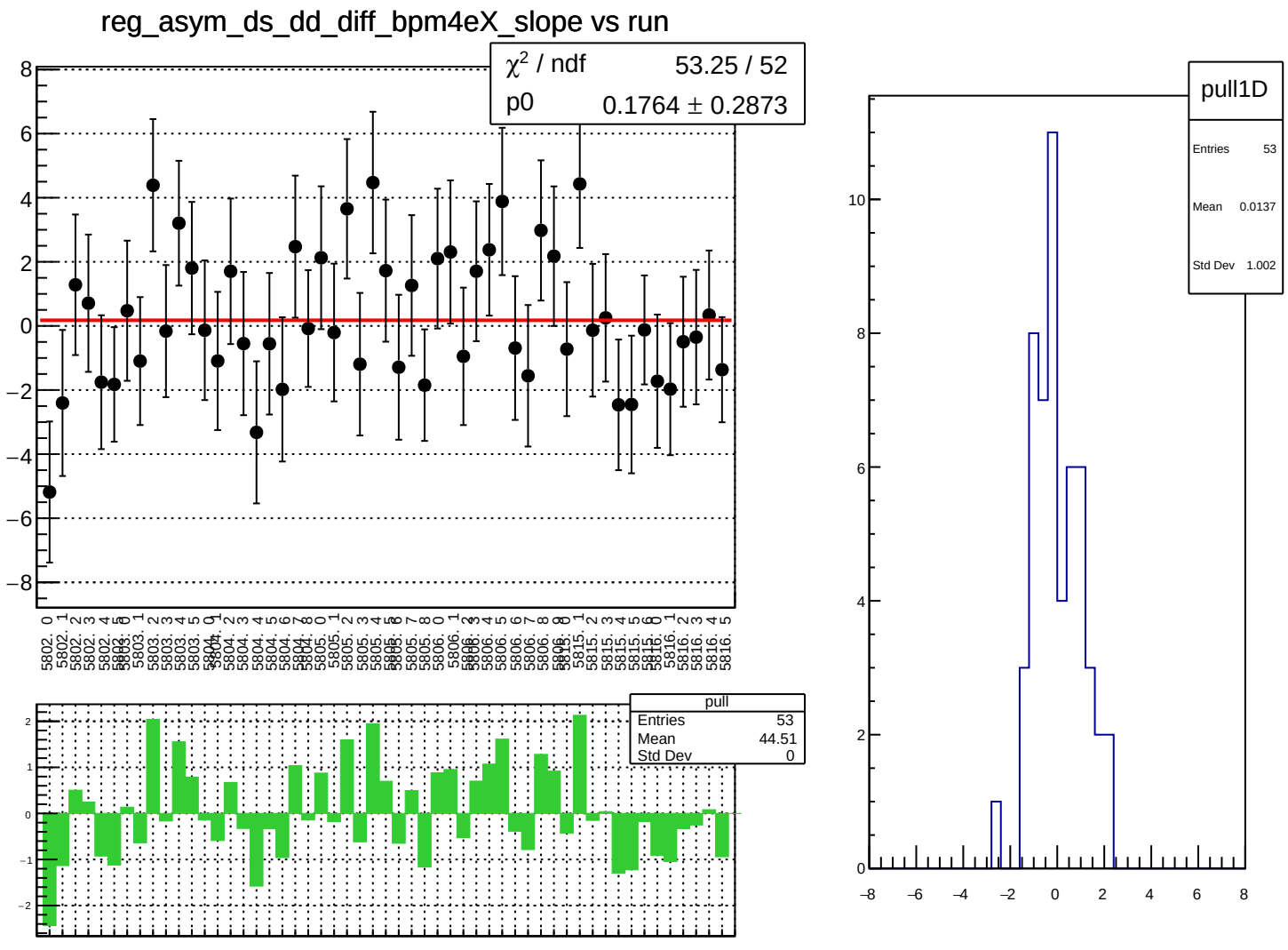

pull1D
Entries 53
Mean −0.01269
Std Dev 1.05

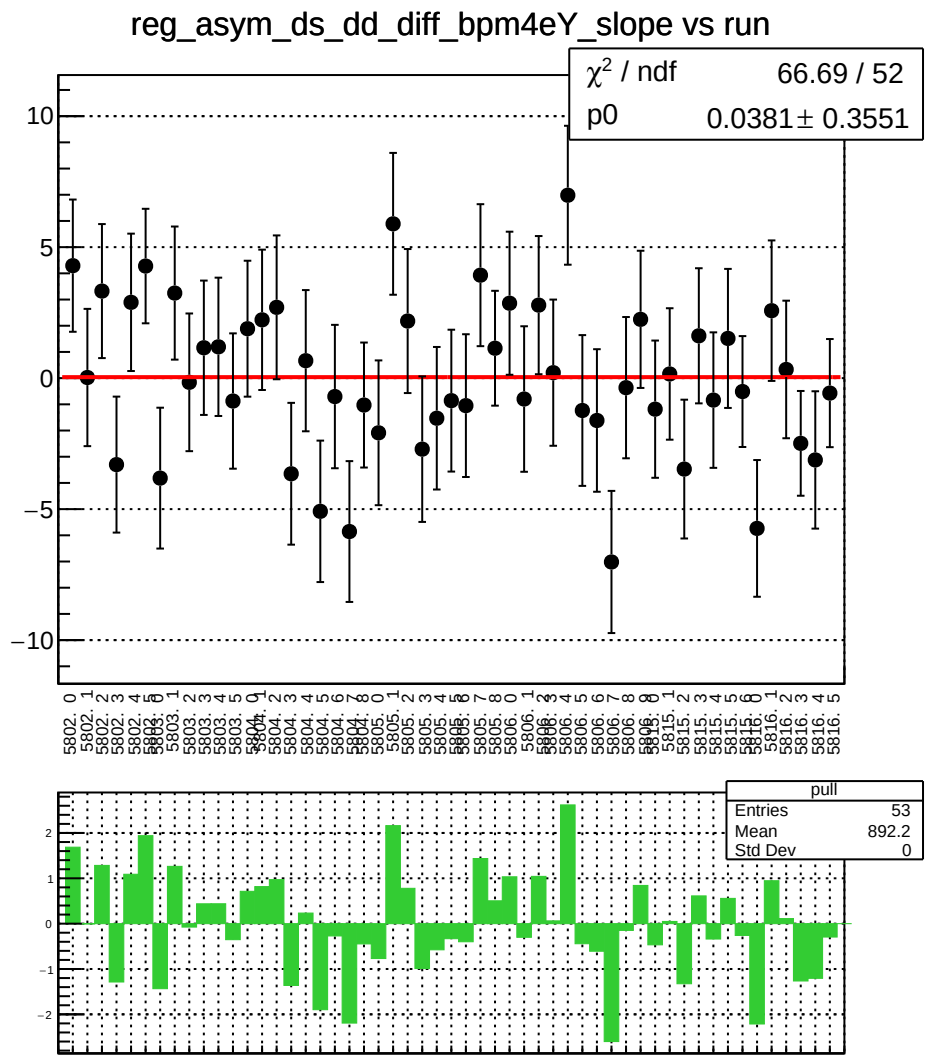

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 51.32 / 52
p0 −0.09465 ± 0.1963
pull
Entries 53
Mean 26.82
Std Dev 0

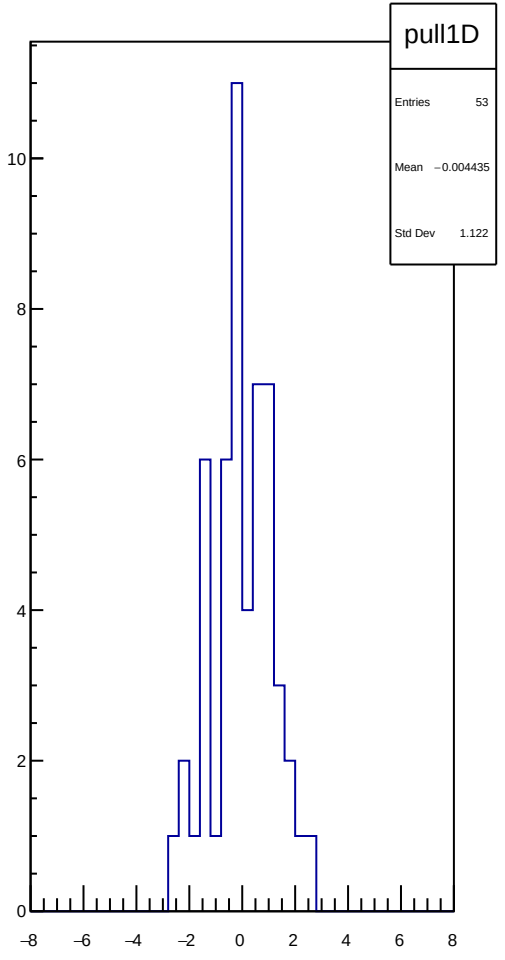

pull1D
Entries 53
Mean −0.01177
Std Dev 0.9839

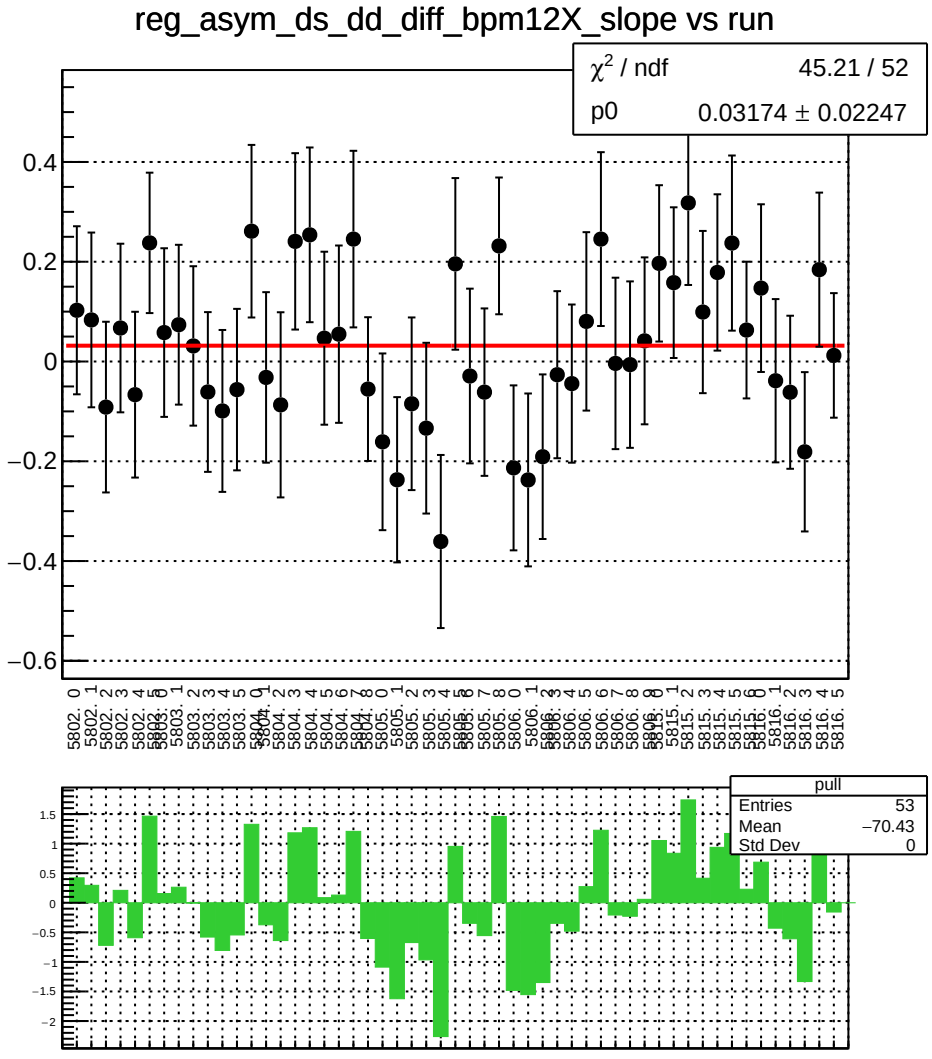

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.61 / 52
p0 −0.01495 ± 0.3252
pull
Entries 53
Mean 4363
Std Dev 0

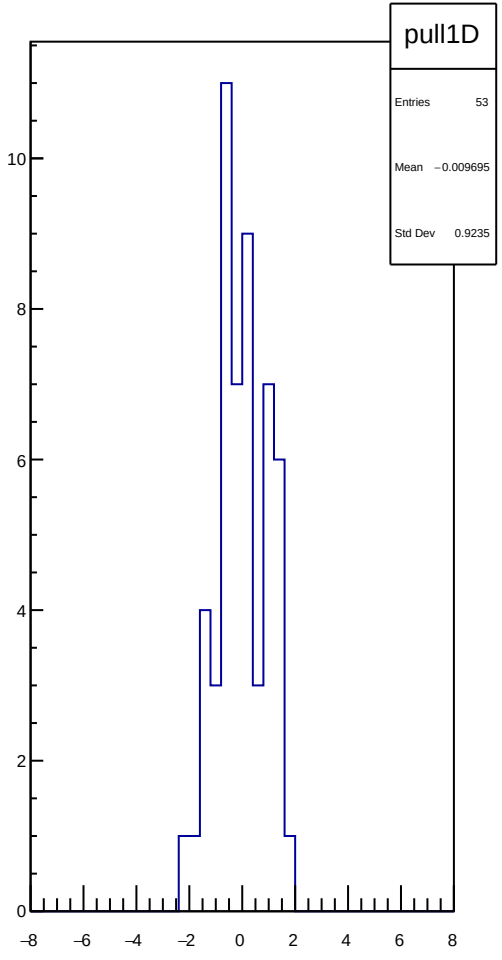

pull1D
Entries 53
Mean 0.0008739
Std Dev 1.104

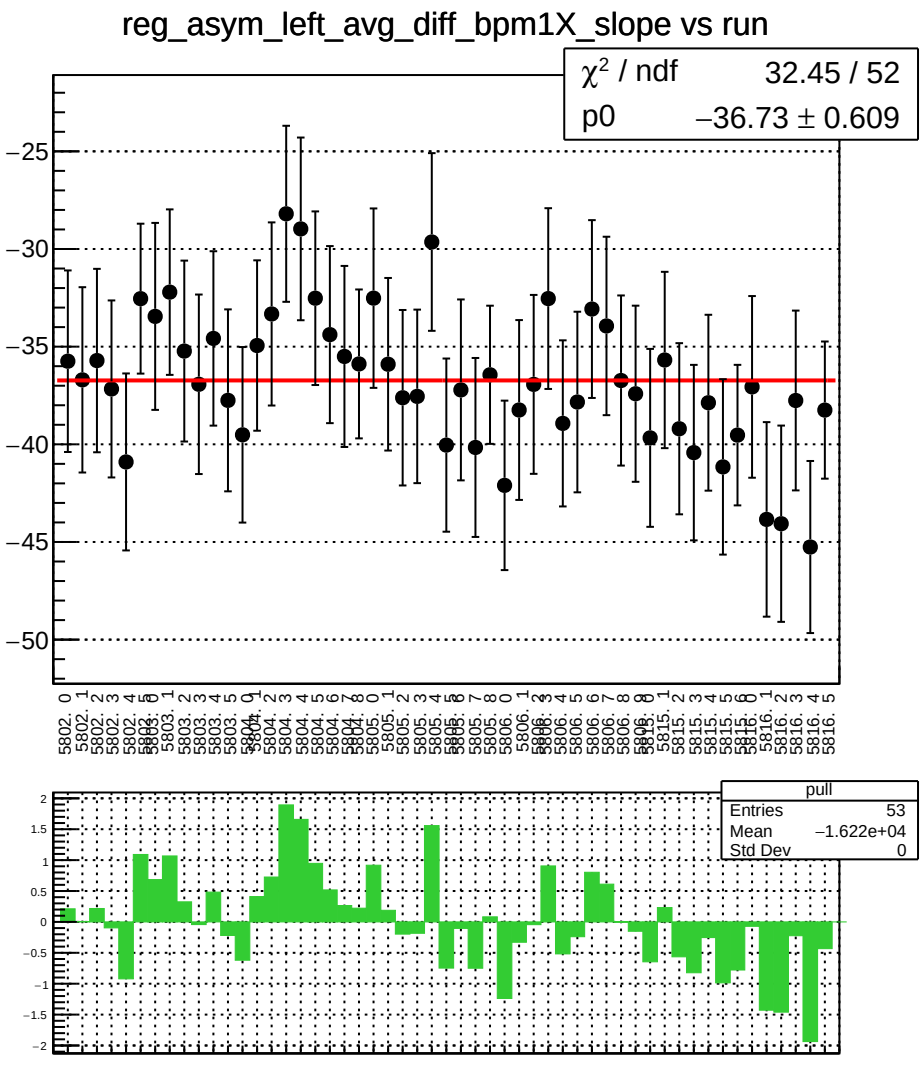

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.25 / 52
p0 0.1764 ± 0.2873
pull
Entries 53
Mean 44.51
Std Dev 0
pull1D
Entries 53
Mean 0.0137
Std Dev 1.002

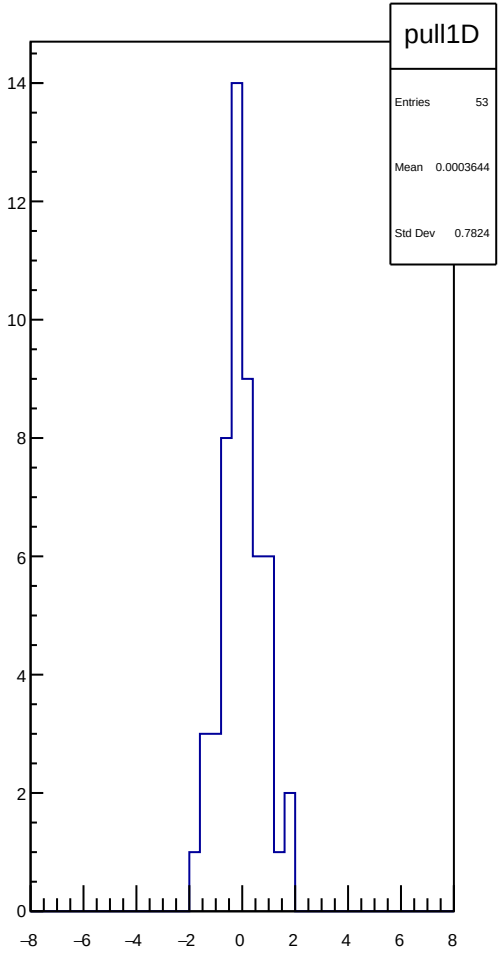

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.69 / 52
p0 0.0381 ± 0.3551
pull
Entries 53
Mean 892.2
Std Dev 0

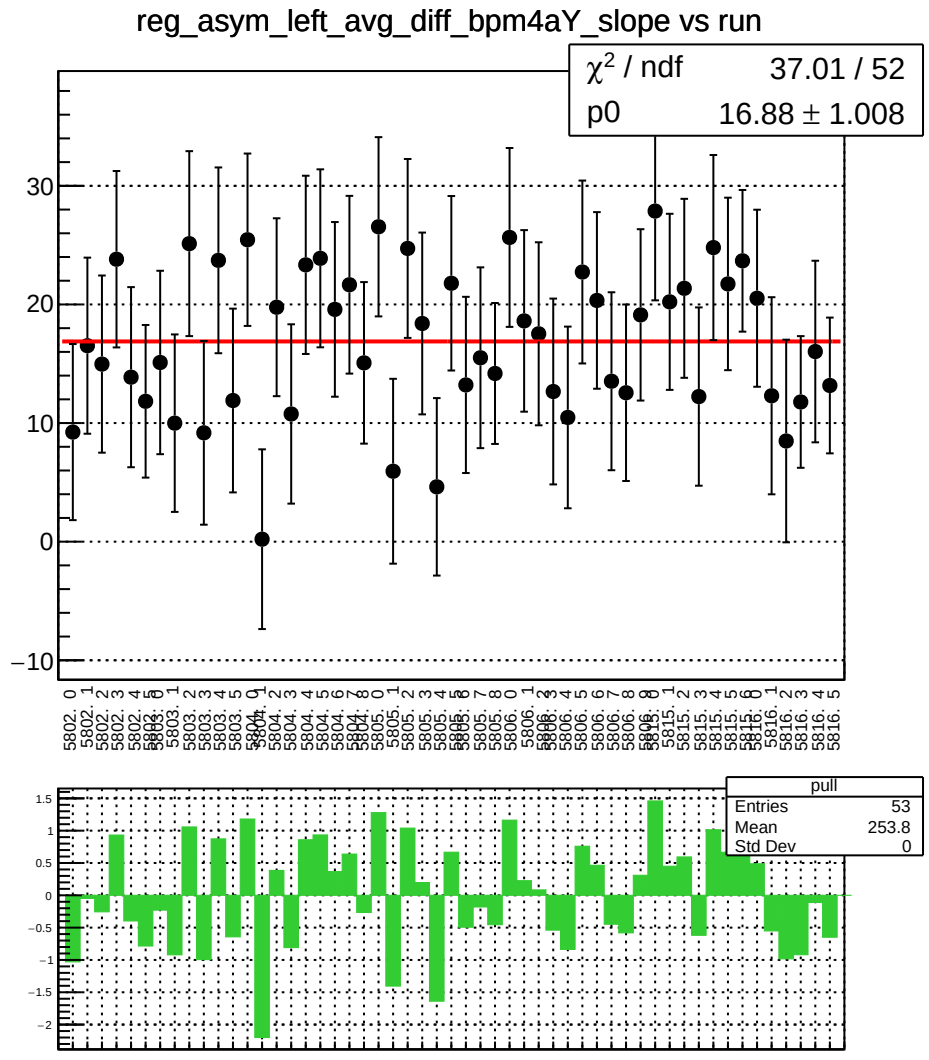

pull1D
Entries 53
Mean −0.004435
Std Dev 1.122

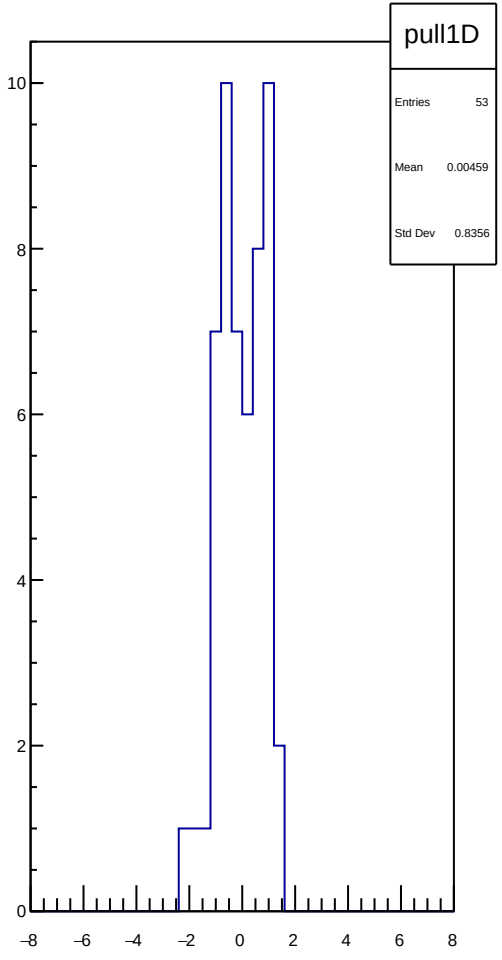

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 45.21 / 52
p0 0.03174 ± 0.02247
pull
Entries 53
Mean −70.43
Std Dev 0

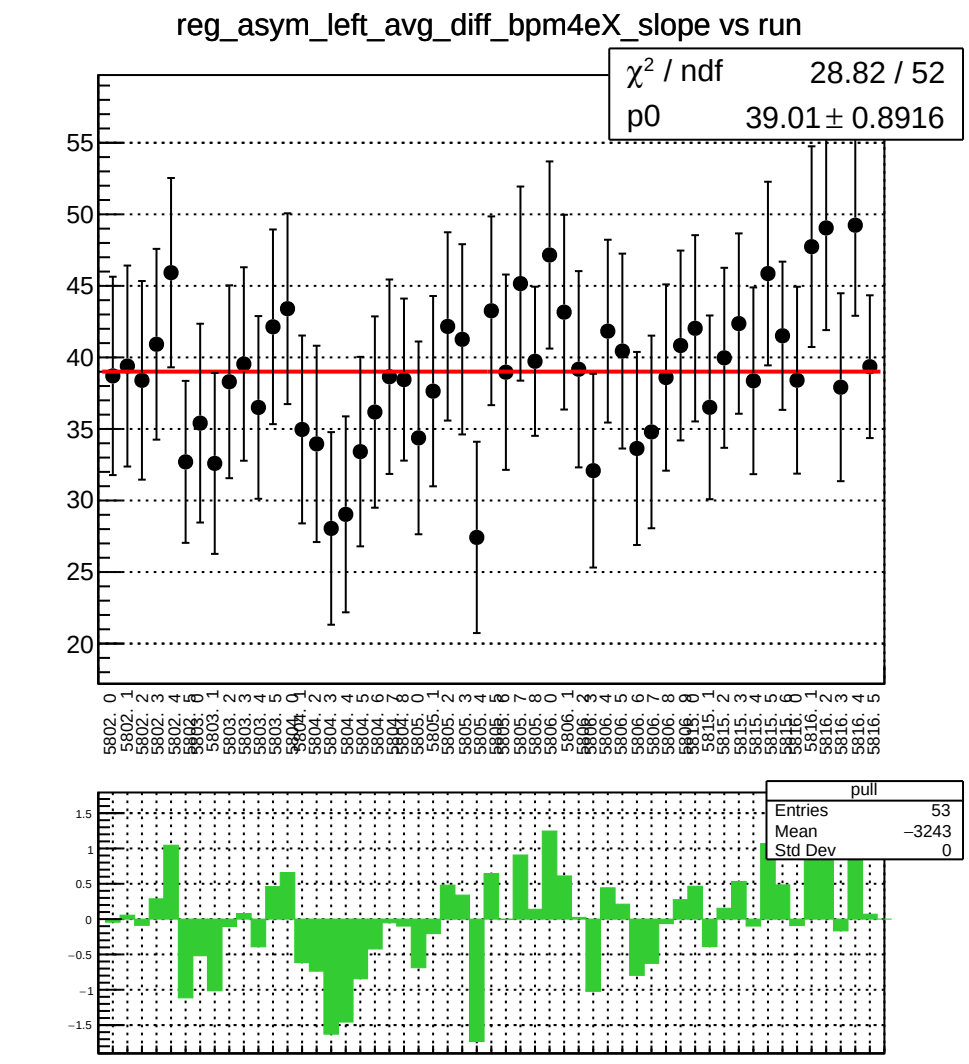

pull1D
Entries 53
Mean −0.009695
Std Dev 0.9235

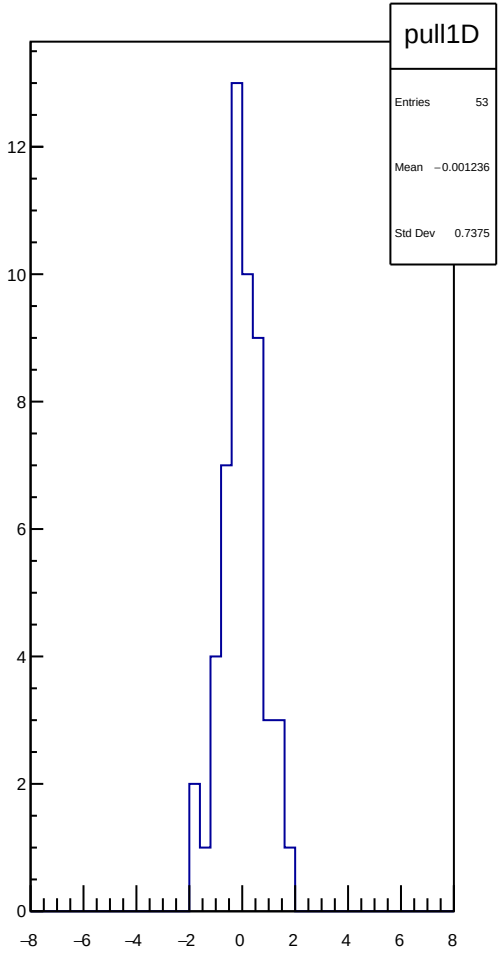

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.45 / 52
p0 −36.73 ± 0.609
pull
Entries 53
Mean −1.622e+04
Std Dev 0

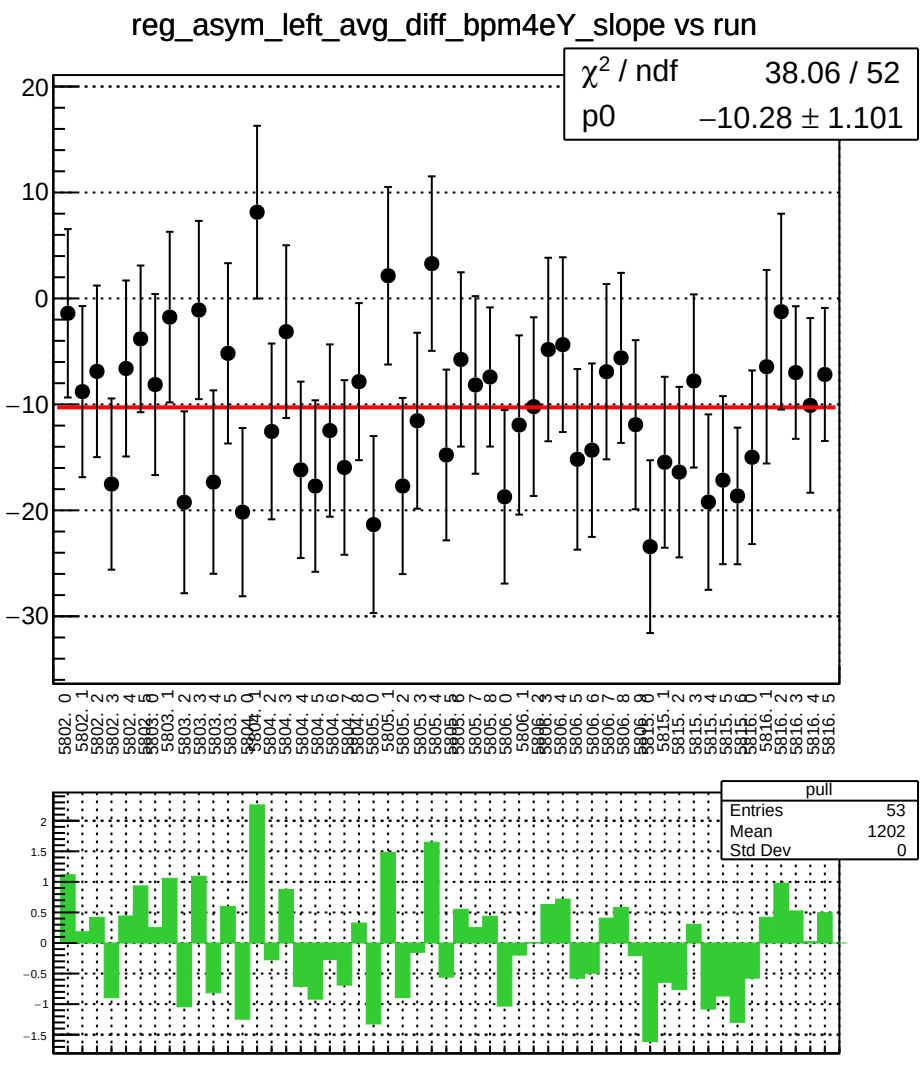

pull1D
Entries 53
Mean 0.0003644
Std Dev 0.7824

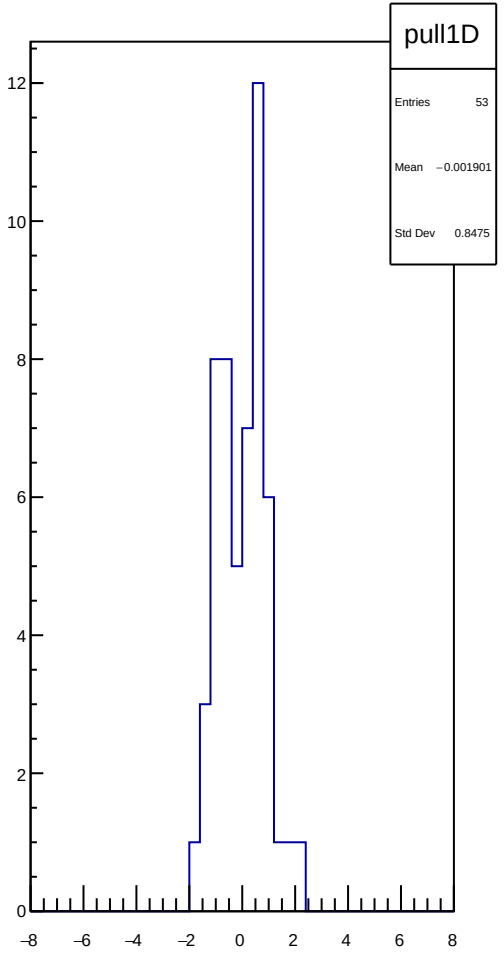

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.01 / 52
p0 16.88 ± 1.008
pull
Entries 53
Mean 253.8
Std Dev 0

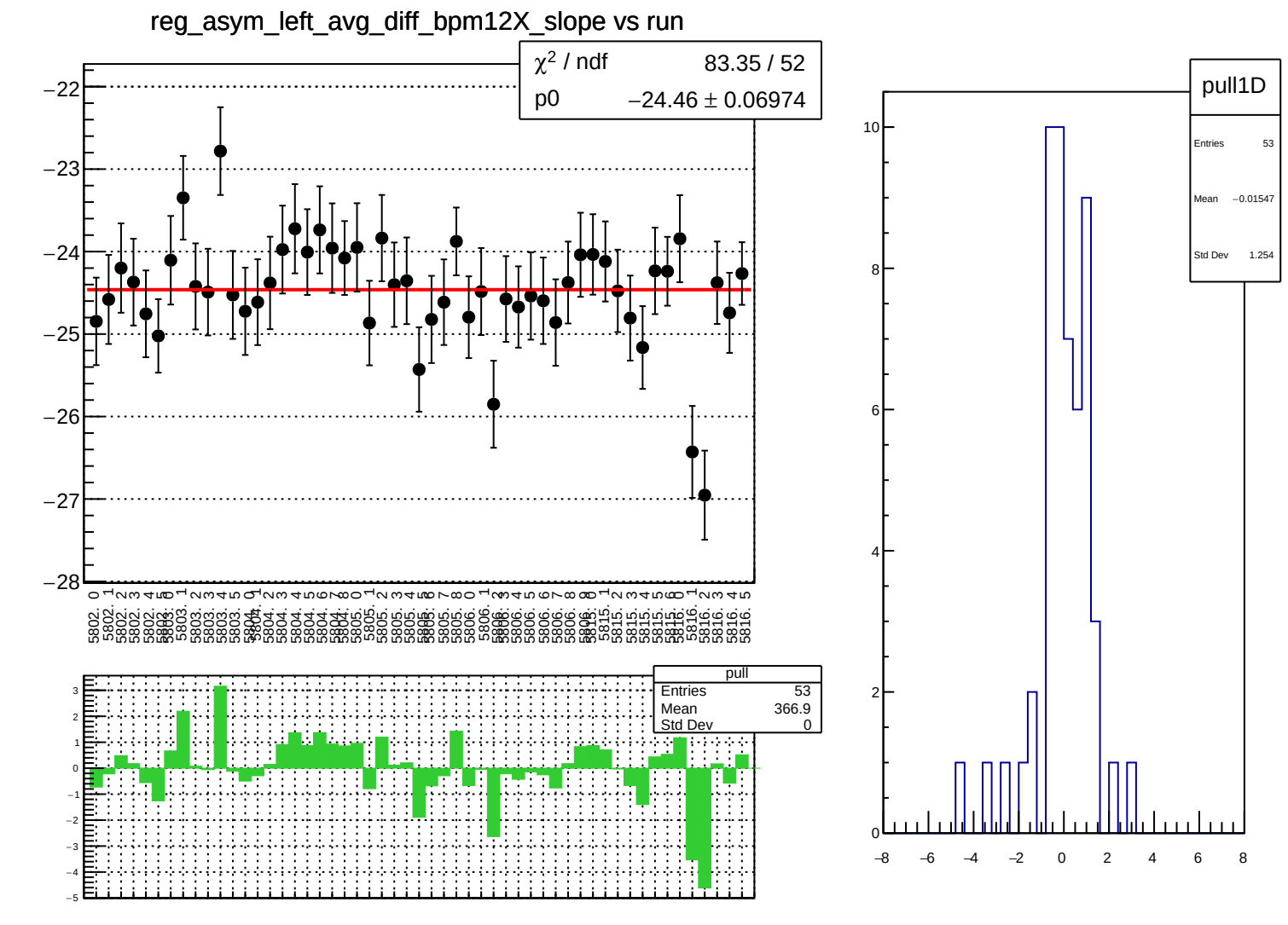

pull1D
Entries 53
Mean 0.00459
Std Dev 0.8356

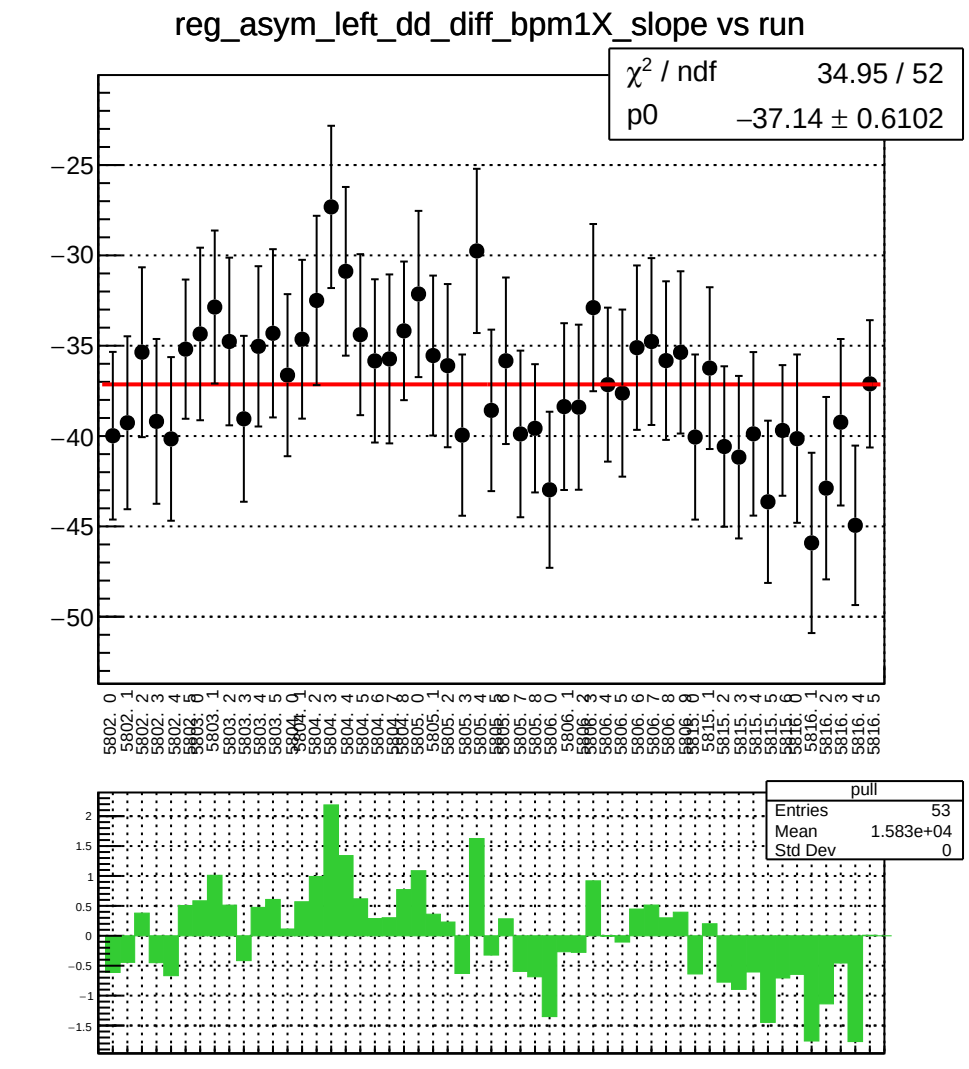

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.82 / 52
p0 39.01 ± 0.8916
pull
Entries 53
Mean −3243
Std Dev 0

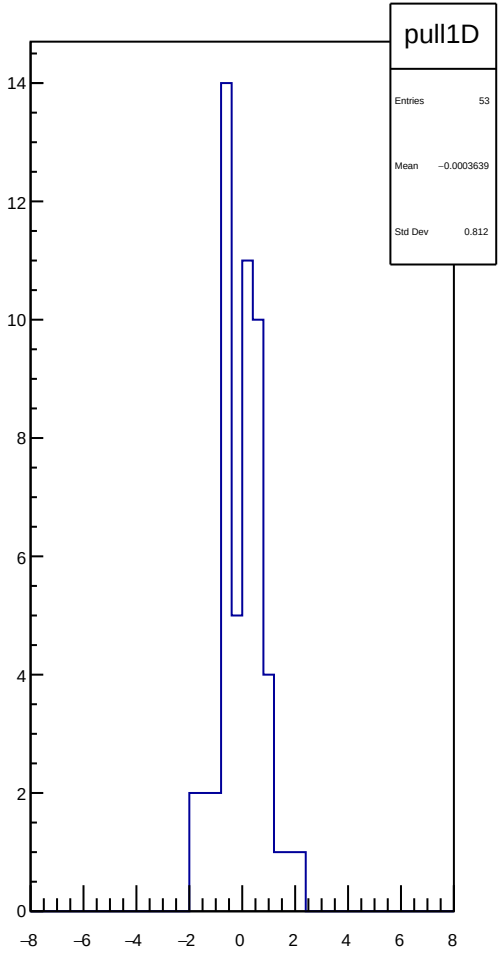

pull1D
Entries 53
Mean −0.001236
Std Dev 0.7375

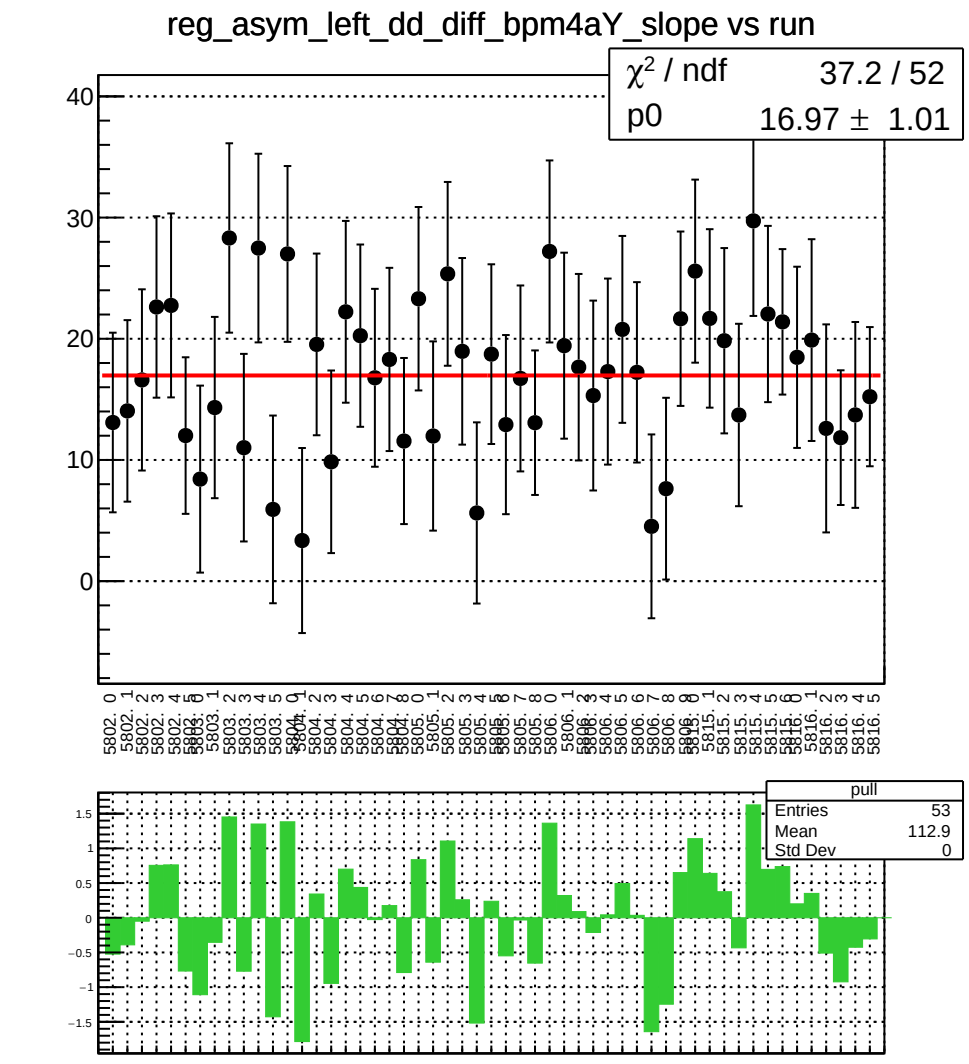

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.06 / 52
p0 −10.28 ± 1.101
pull
Entries 53
Mean 1202
Std Dev 0

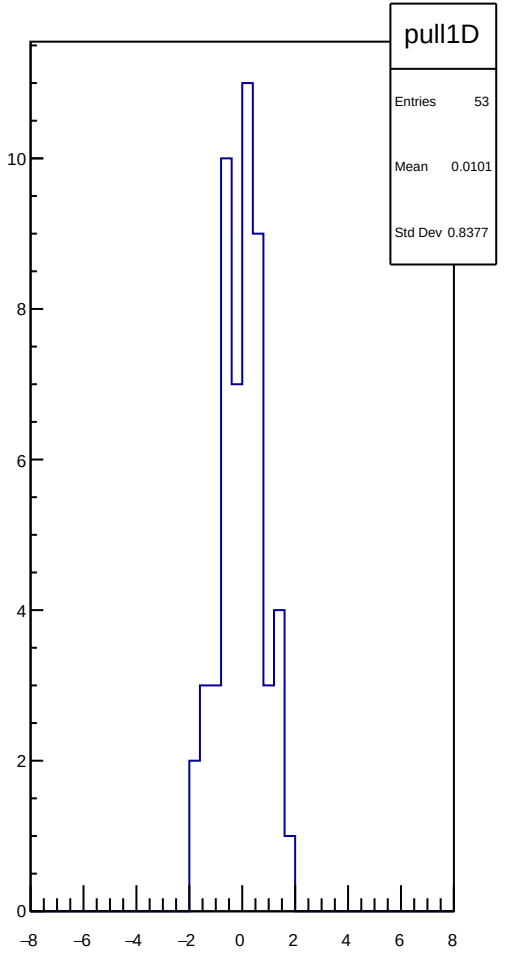

pull1D
Entries 53
Mean −0.001901
Std Dev 0.8475

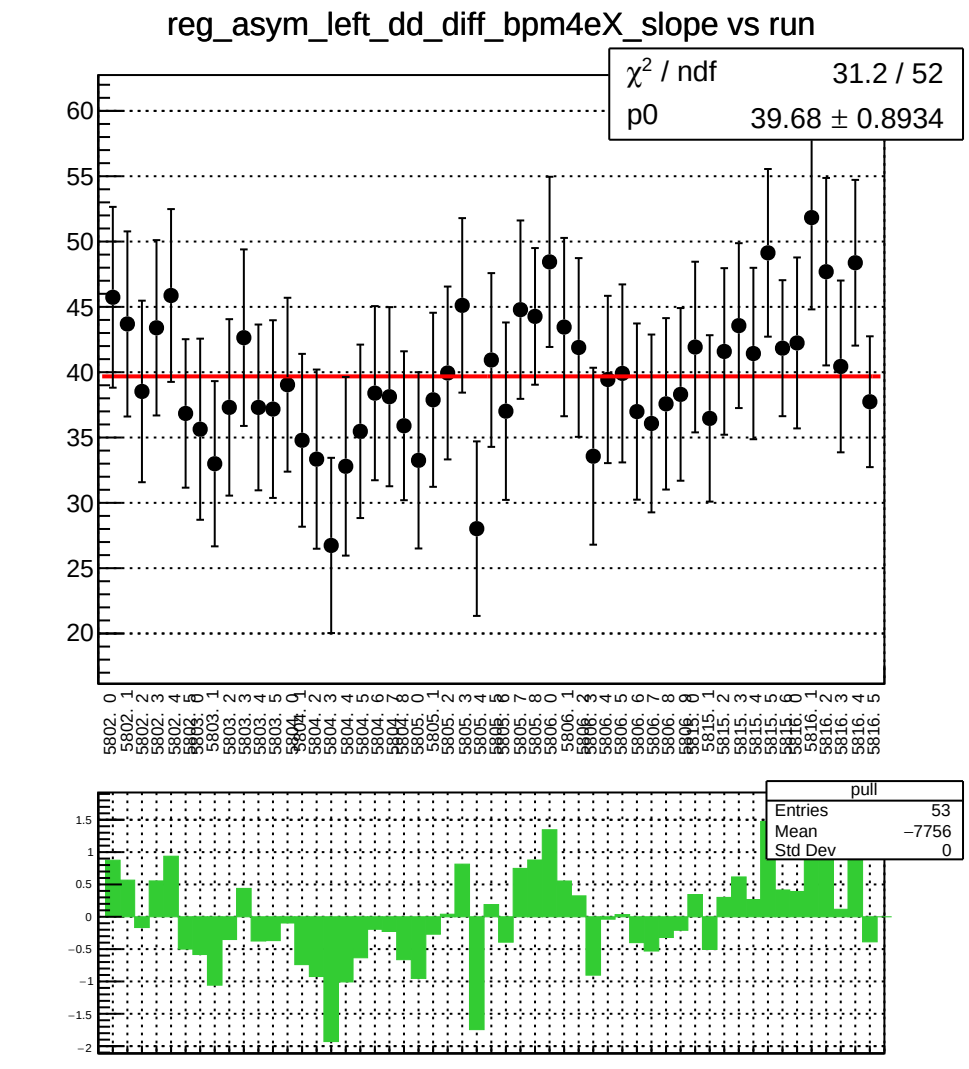

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 83.35 / 52
p0 −24.46 ± 0.06974
pull
Entries 53
Mean 366.9
Std Dev 0
pull1D
Entries 53
Mean −0.01547
Std Dev 1.254

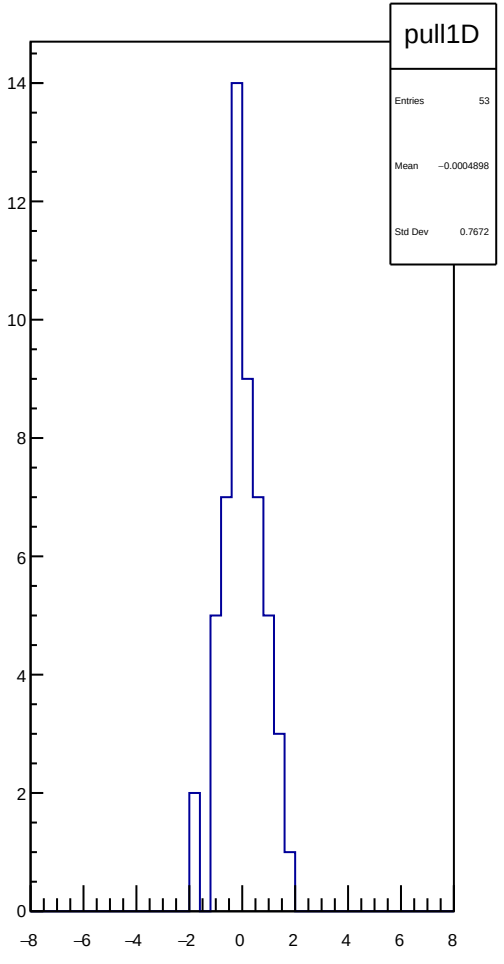

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 34.95 / 52
p0 −37.14 ± 0.6102
pull
Entries 53
Mean 1.583e+04
Std Dev 0

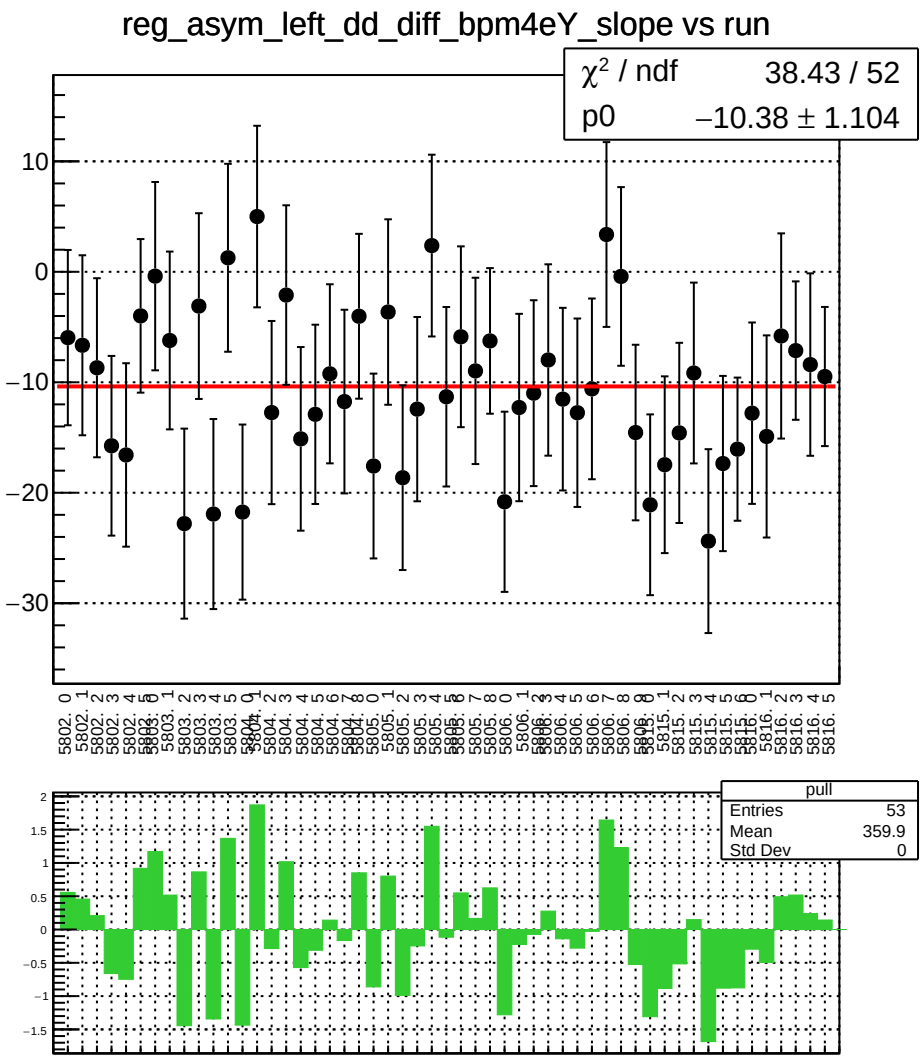

pull1D
Entries 53
Mean −0.0003639
Std Dev 0.812

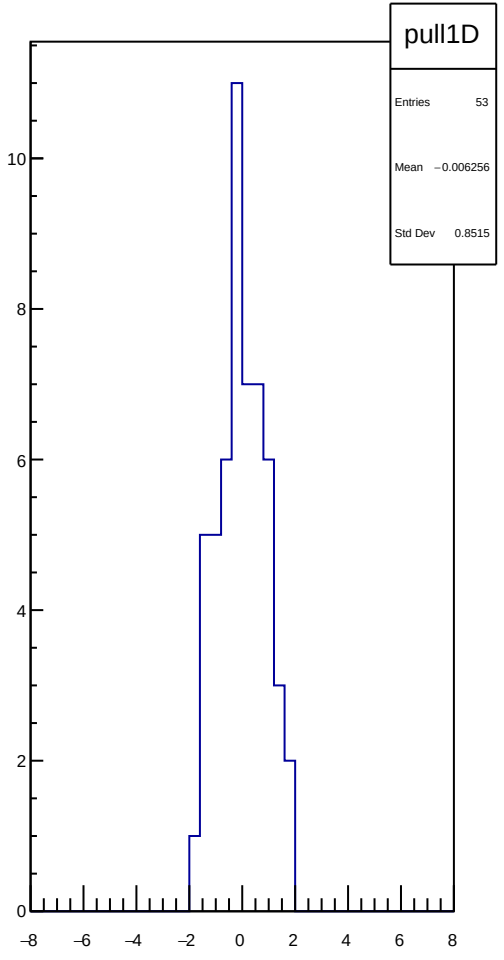

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.2 / 52
p0 16.97 ± 1.01
pull
Entries 53
Mean 112.9
Std Dev 0

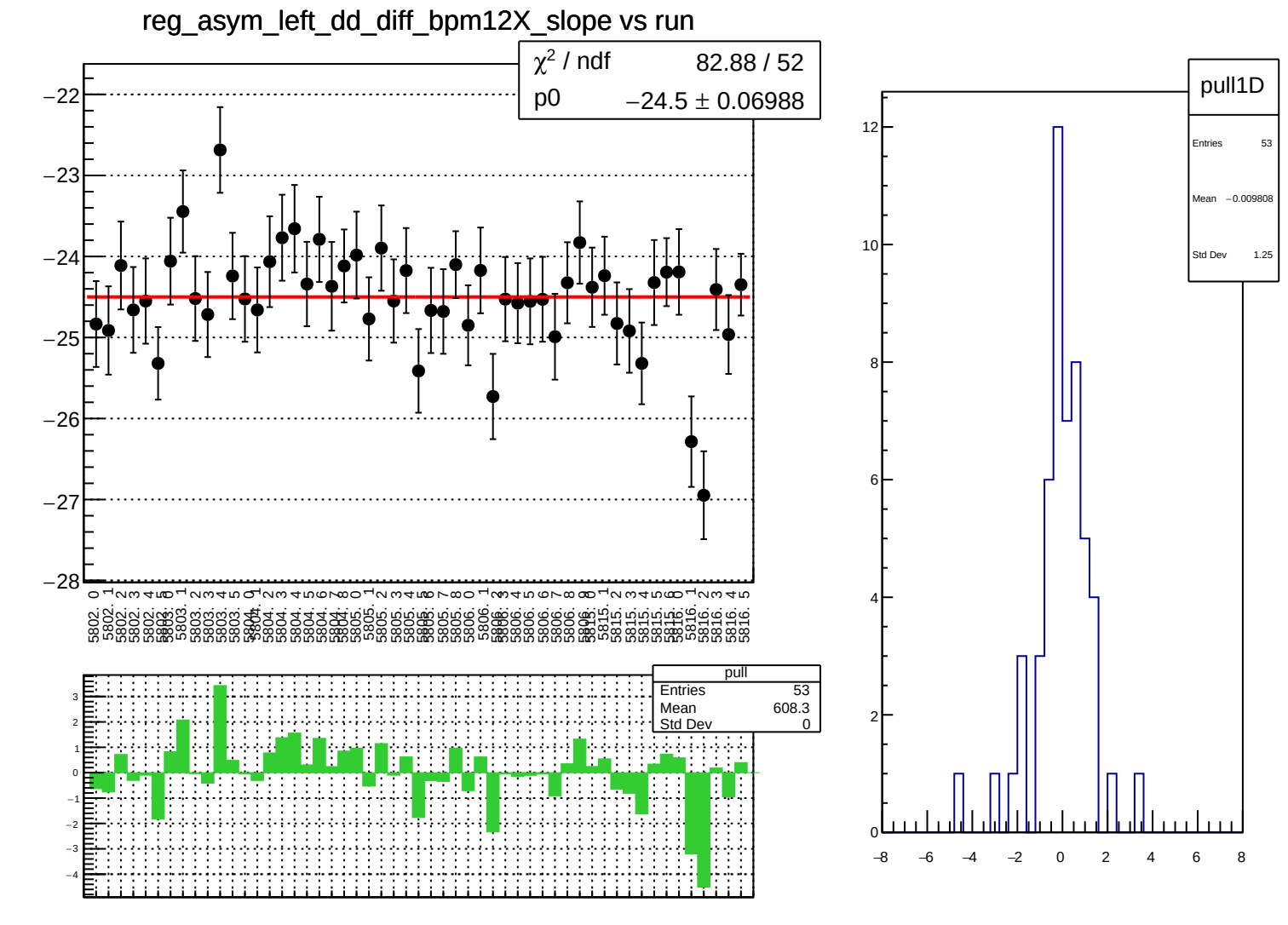

pull1D
Entries 53
Mean 0.0101
Std Dev 0.8377

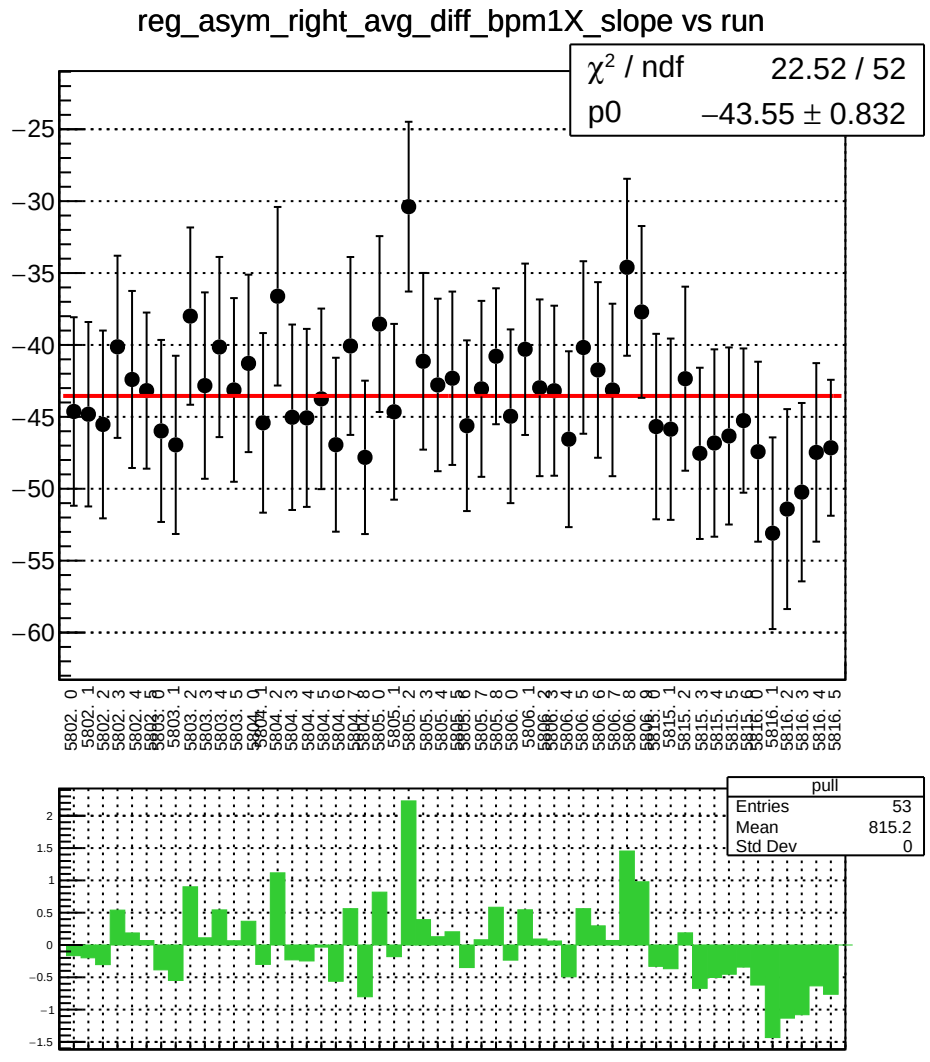

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.2 / 52
p0 39.68 ± 0.8934
pull
Entries 53
Mean −7756
Std Dev 0

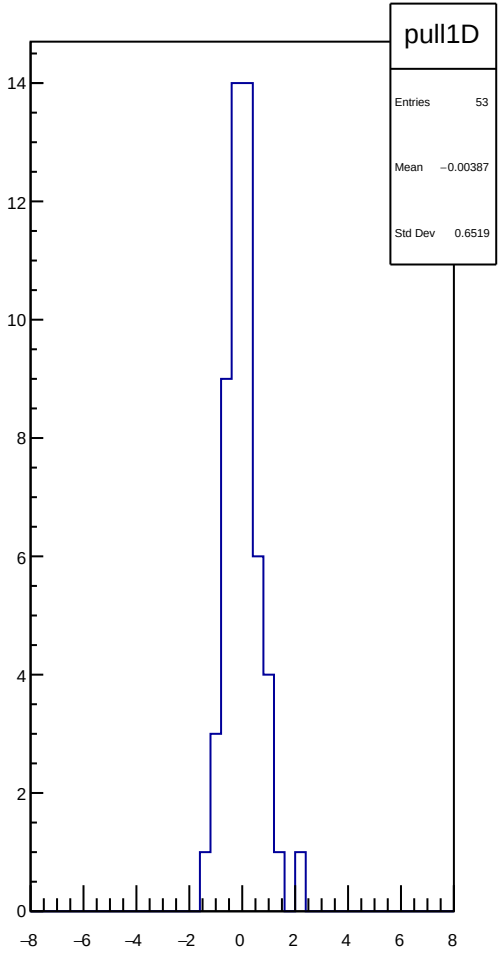

pull1D
Entries 53
Mean −0.0004898
Std Dev 0.7672

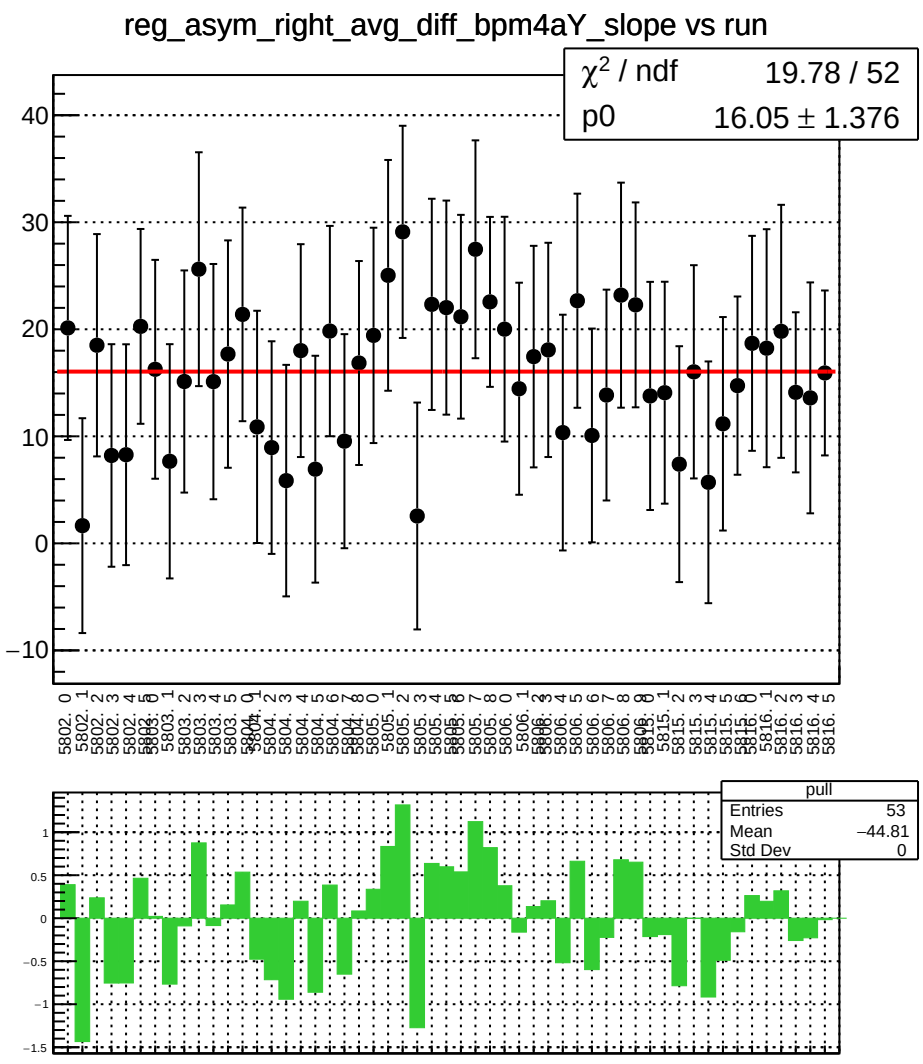

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.43 / 52
p0 −10.38 ± 1.104
pull
Entries 53
Mean 359.9
Std Dev 0

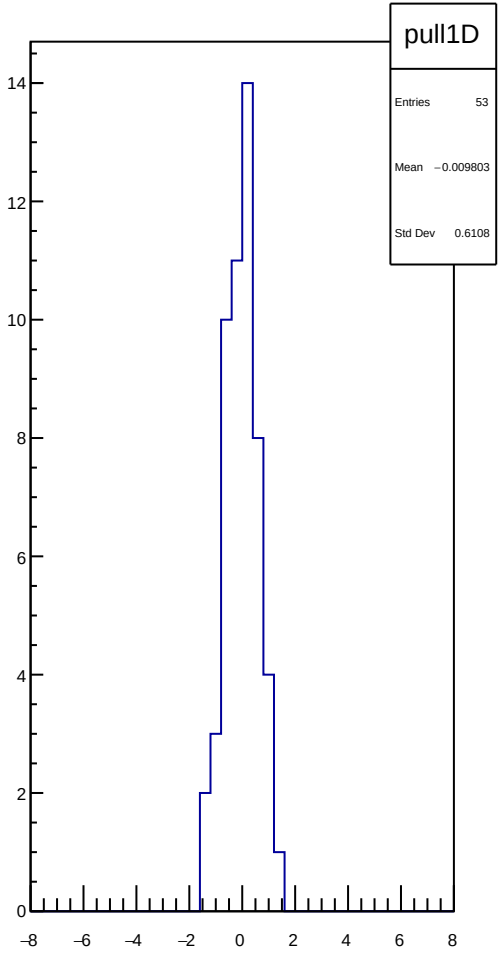

pull1D
Entries 53
Mean −0.006256
Std Dev 0.8515

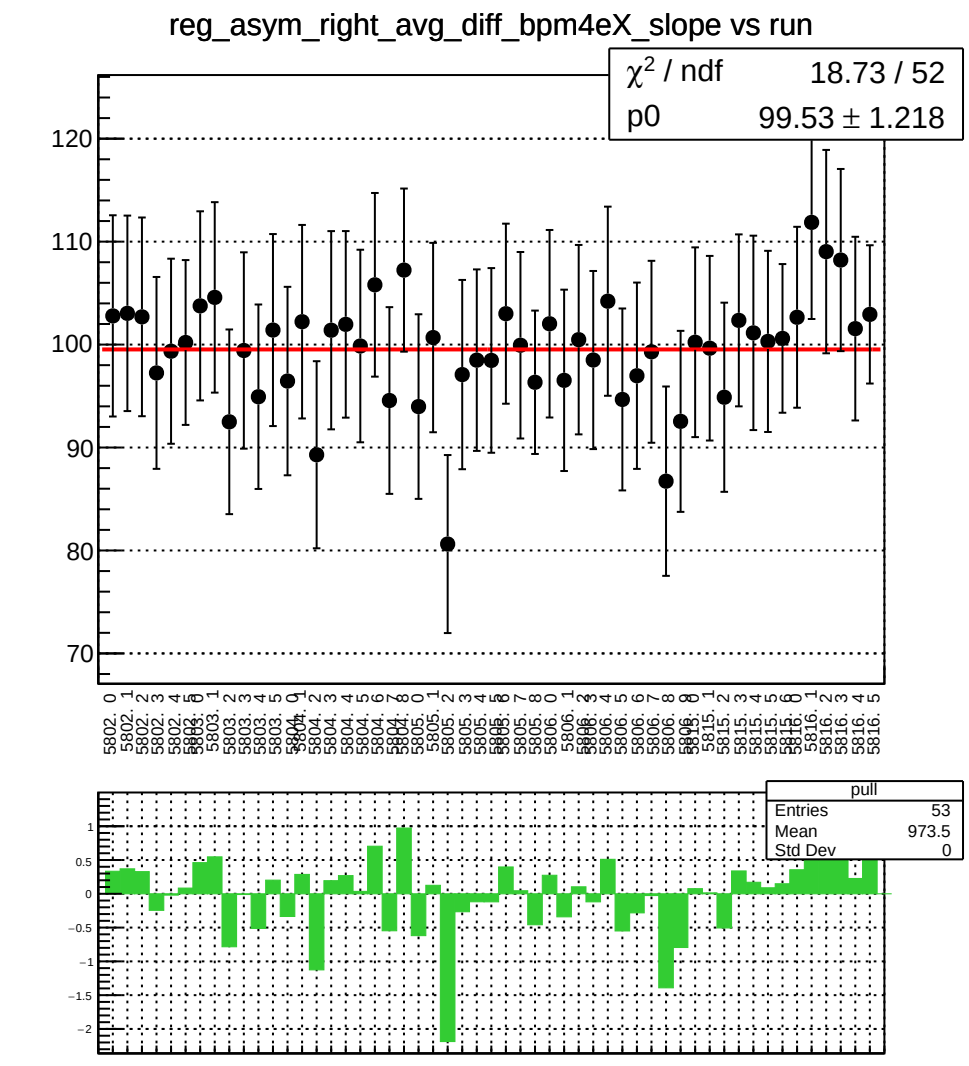

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 82.88 / 52
p0 −24.5 ± 0.06988
pull
Entries 53
Mean 608.3
Std Dev 0
pull1D
Entries 53
Mean −0.009808
Std Dev 1.25

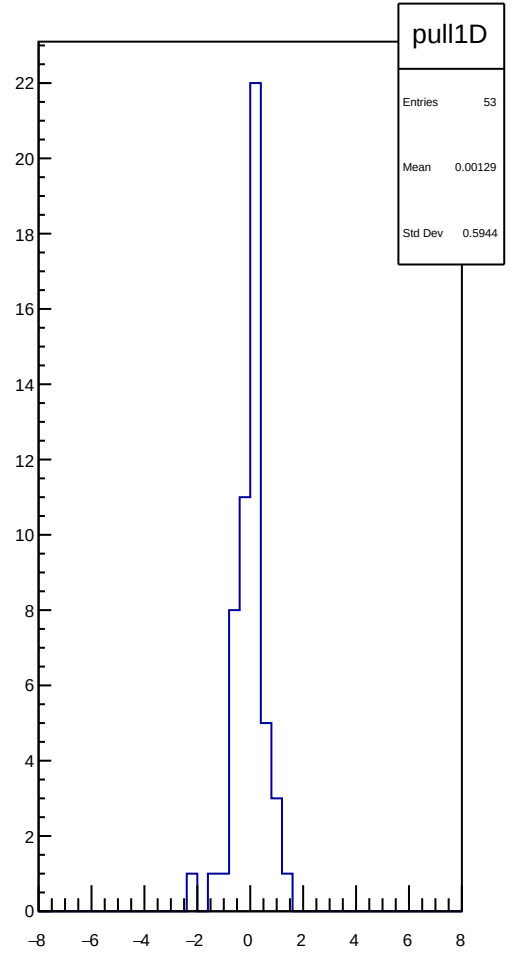

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 22.52 / 52
p0 −43.55 ± 0.832
pull
Entries 53
Mean 815.2
Std Dev 0

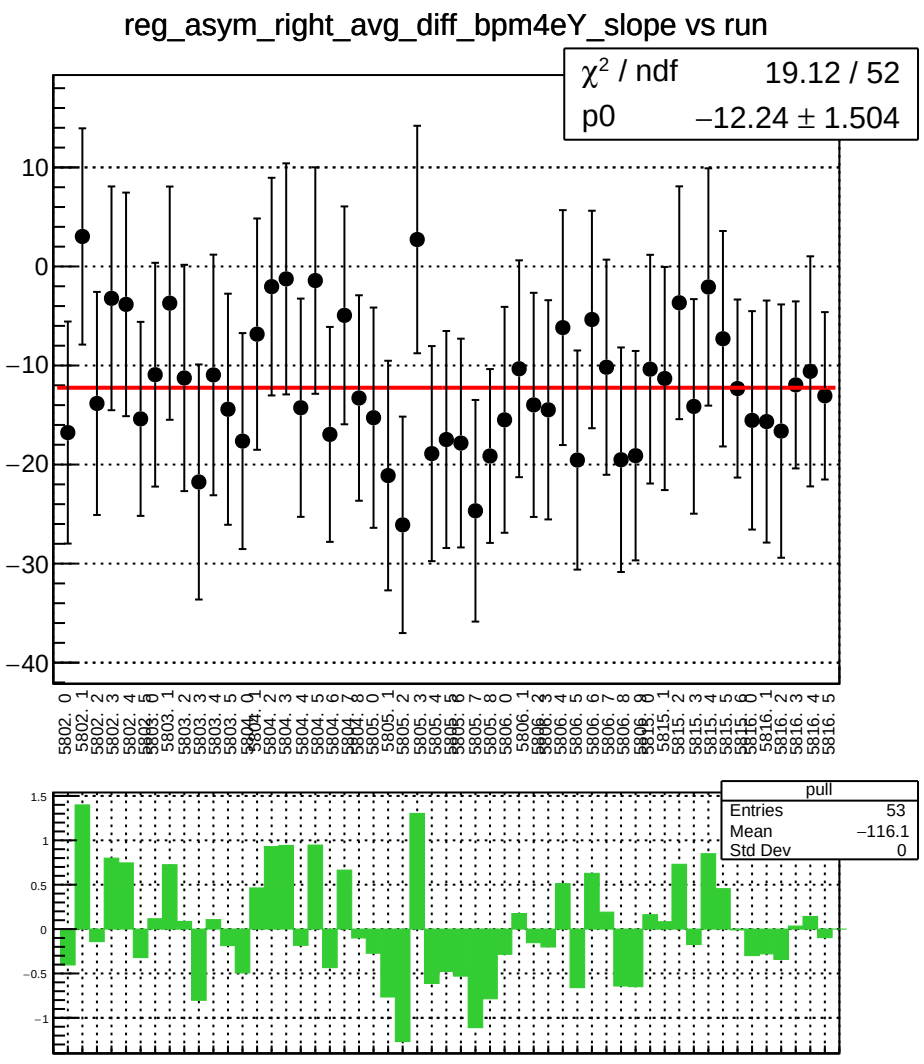

pull1D
Entries 53
Mean −0.00387
Std Dev 0.6519

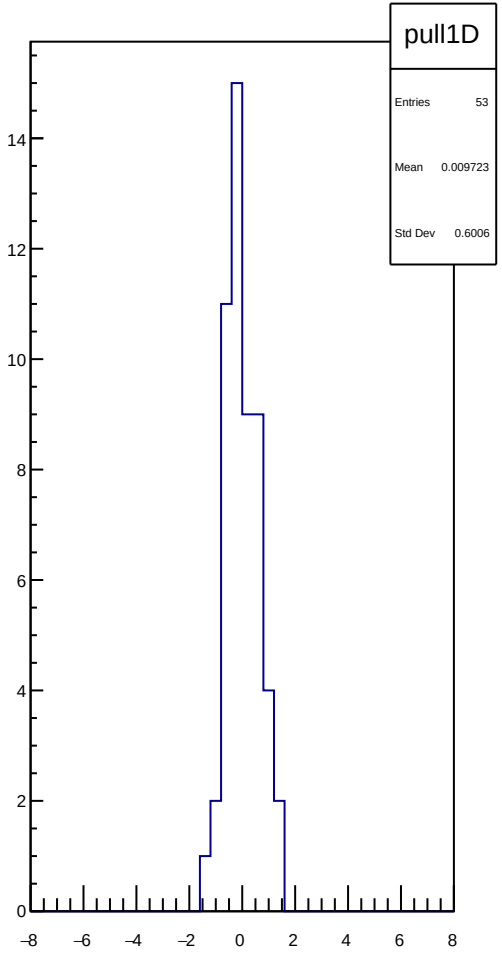

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.78 / 52
p0 16.05 ± 1.376
pull
Entries 53
Mean −44.81
Std Dev 0

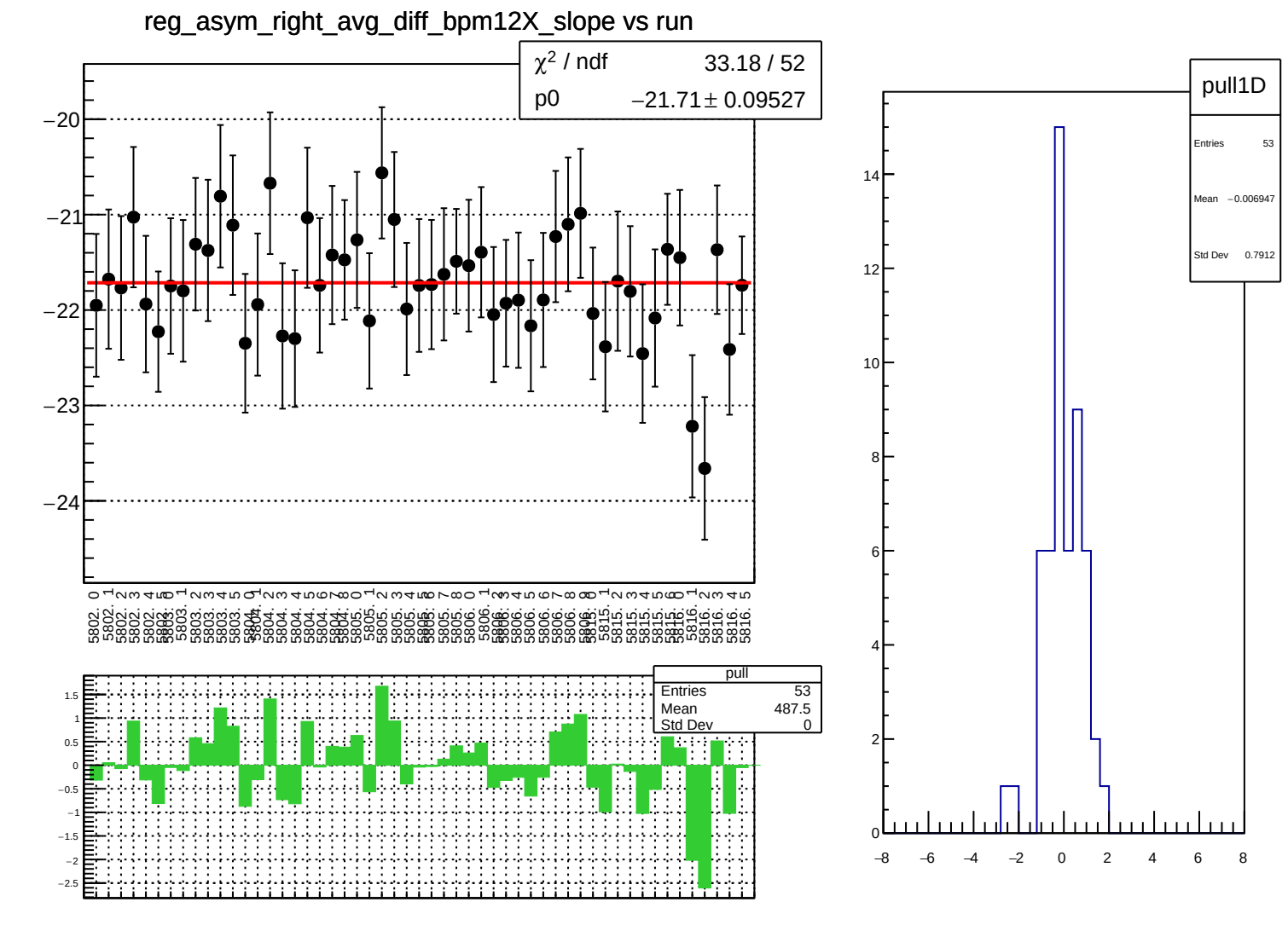

pull1D
Entries 53
Mean −0.009803
Std Dev 0.6108

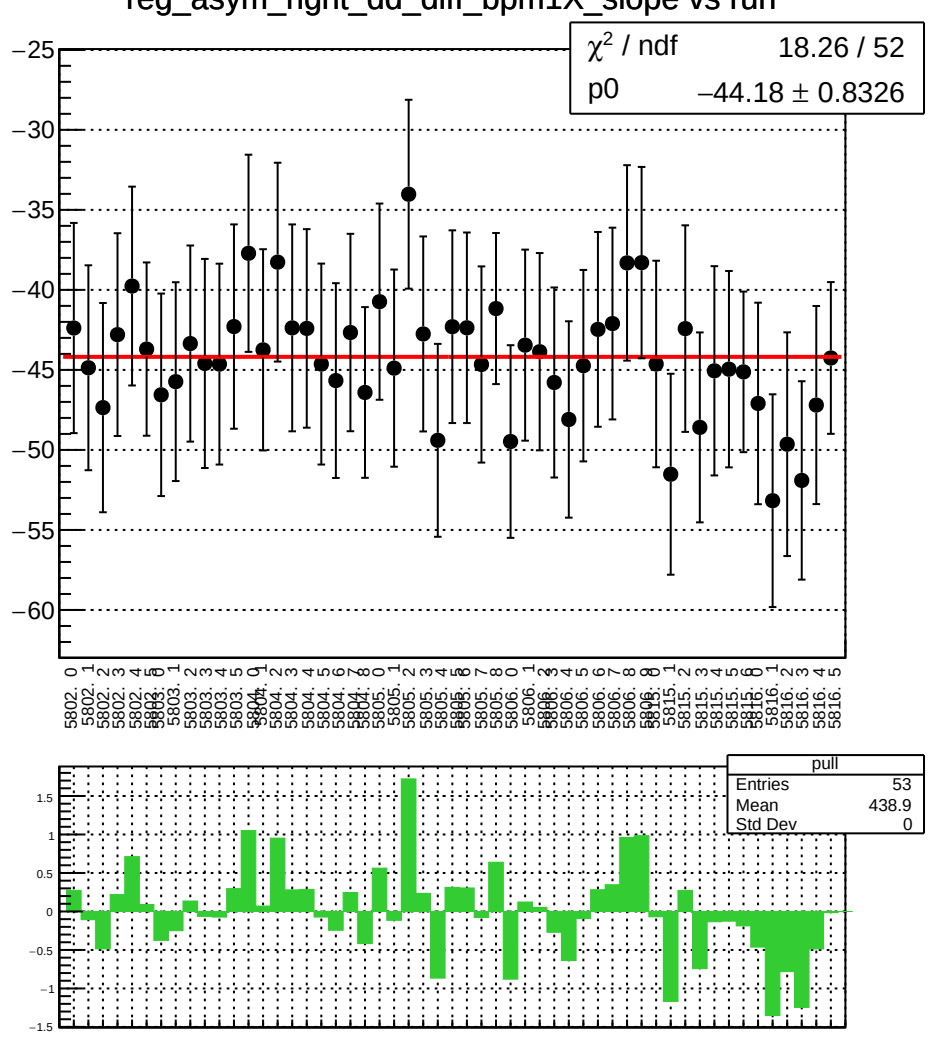

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.73 / 52
p0 99.53 ± 1.218
pull
Entries 53
Mean 973.5
Std Dev 0

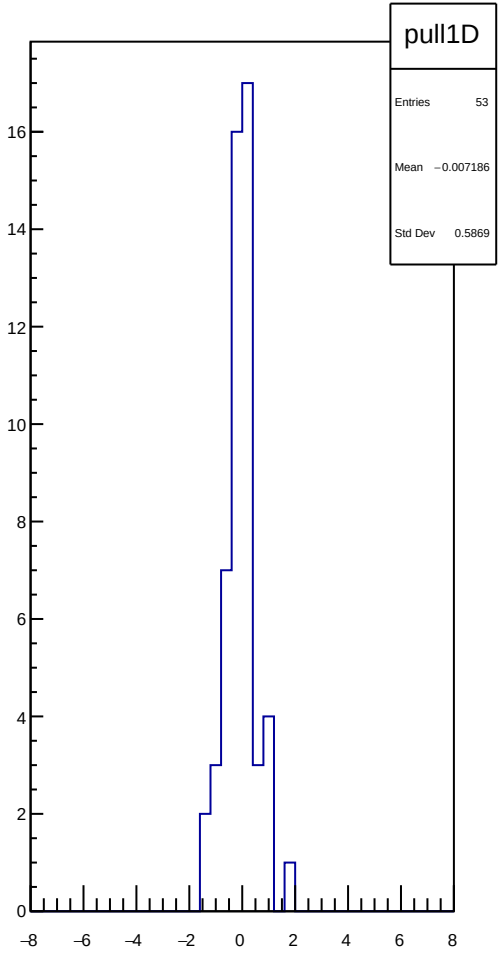

pull1D
Entries 53
Mean 0.00129
Std Dev 0.5944

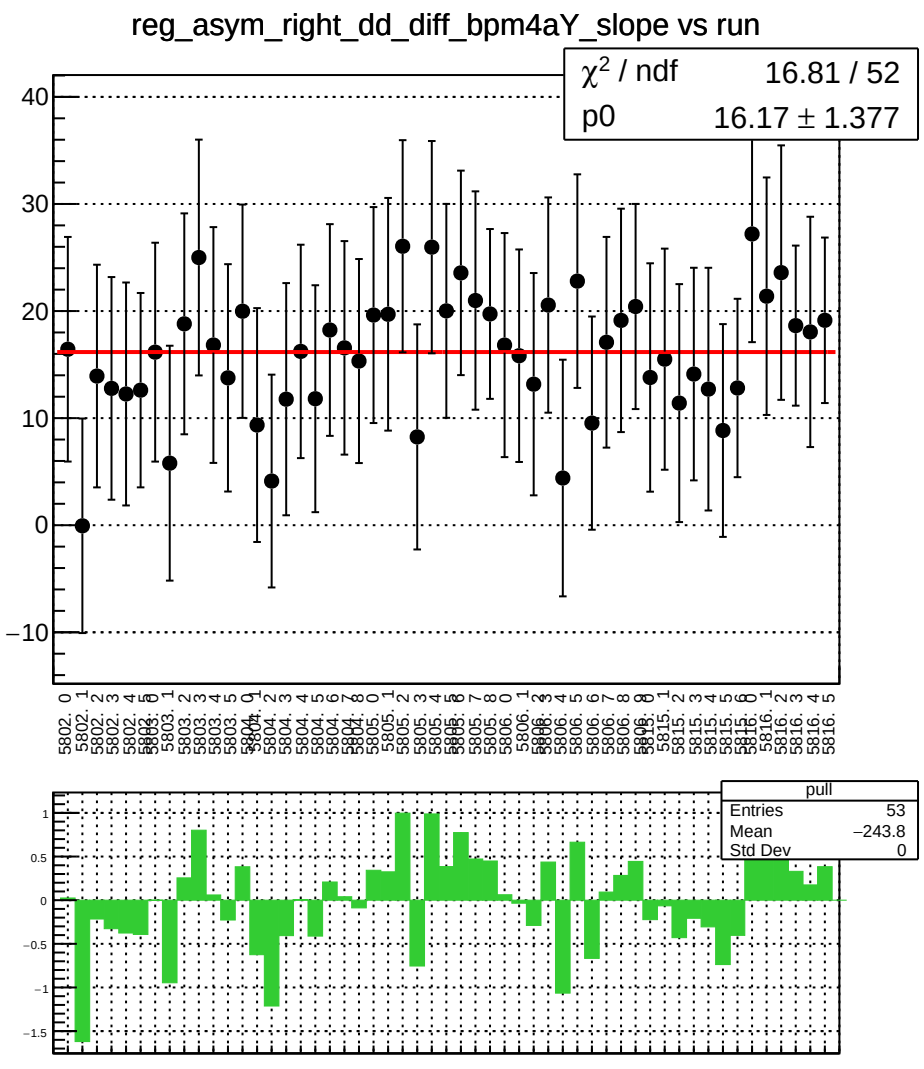

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.12 / 52
p0 −12.24 ± 1.504
pull
Entries 53
Mean −116.1
Std Dev 0

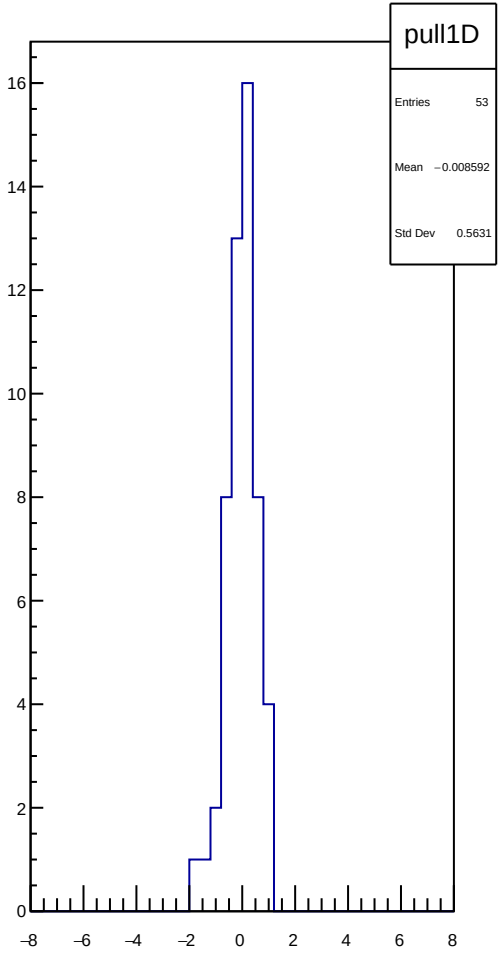

pull1D
Entries 53
Mean 0.009723
Std Dev 0.6006

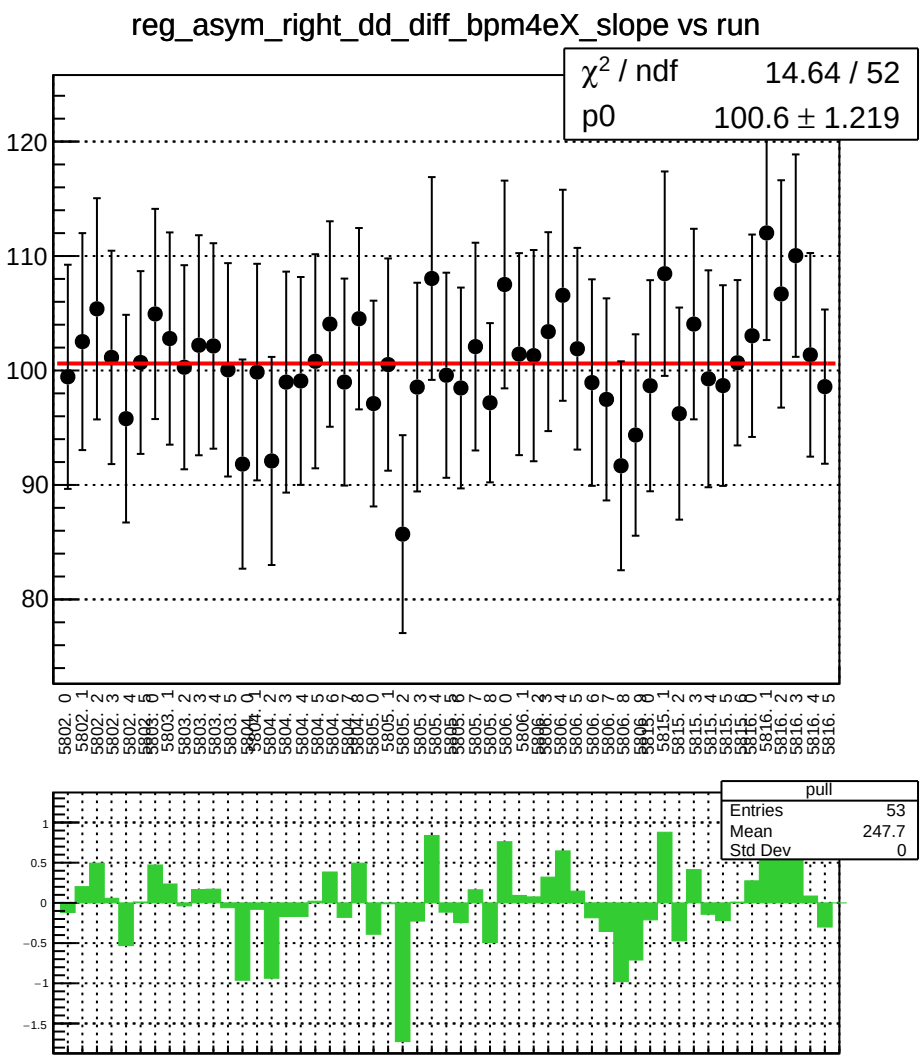

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 33.18 / 52
p0 −21.71 ± 0.09527
pull
Entries 53
Mean 487.5
Std Dev 0
pull1D
Entries 53
Mean −0.006947
Std Dev 0.7912

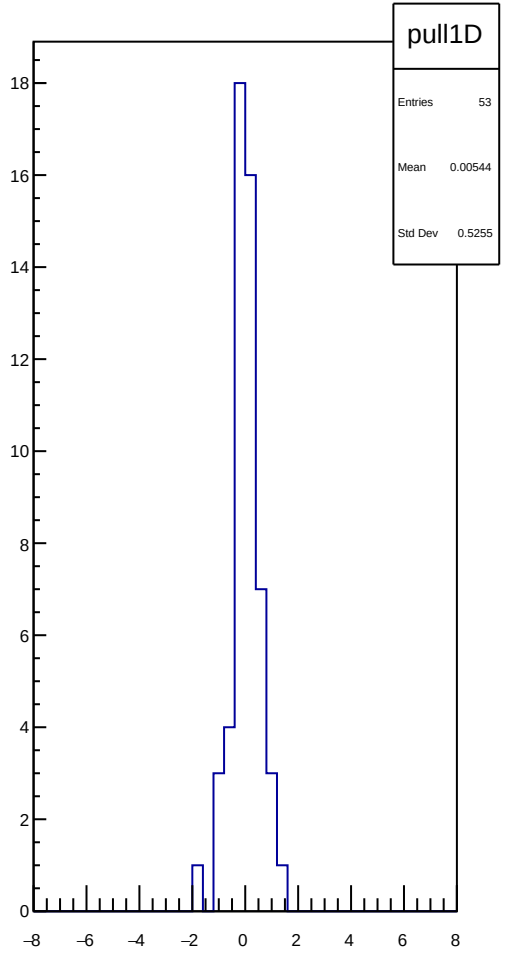

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 18.26 / 52
p0 −44.18 ± 0.8326
pull
Entries 53
Mean 438.9
Std Dev 0

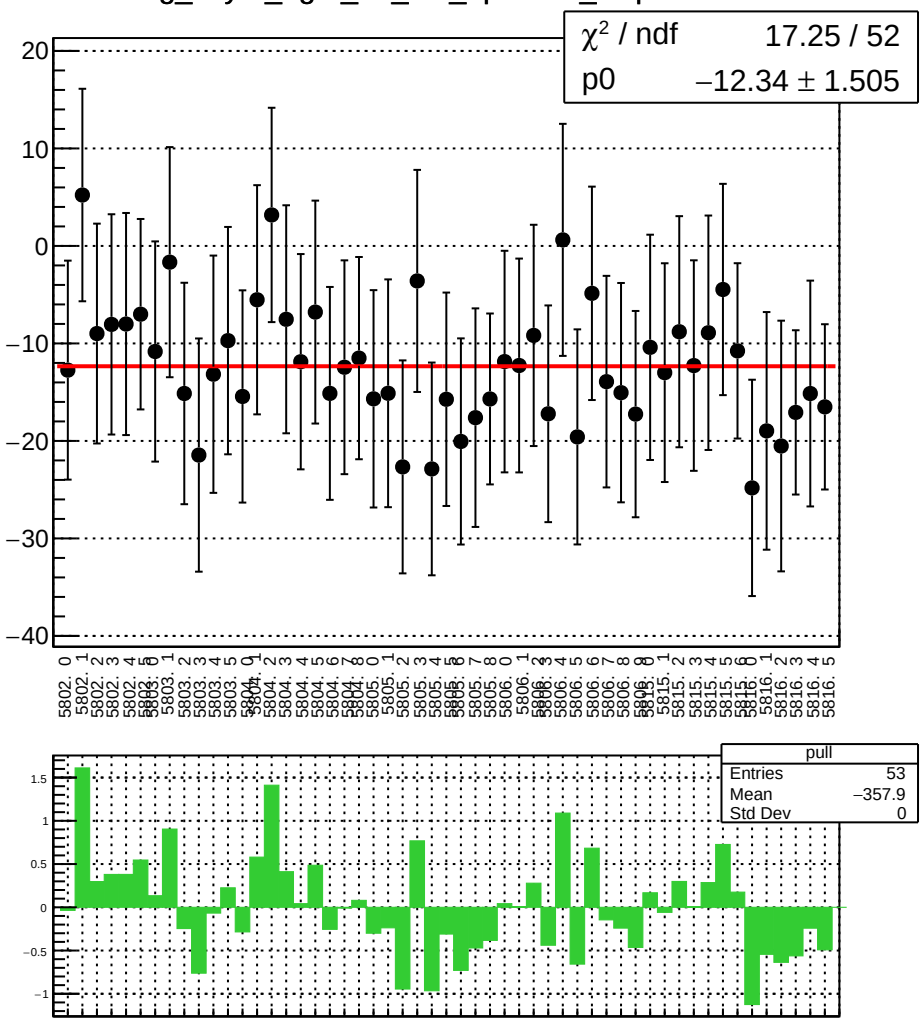

pull1D
Entries 53
Mean −0.007186
Std Dev 0.5869

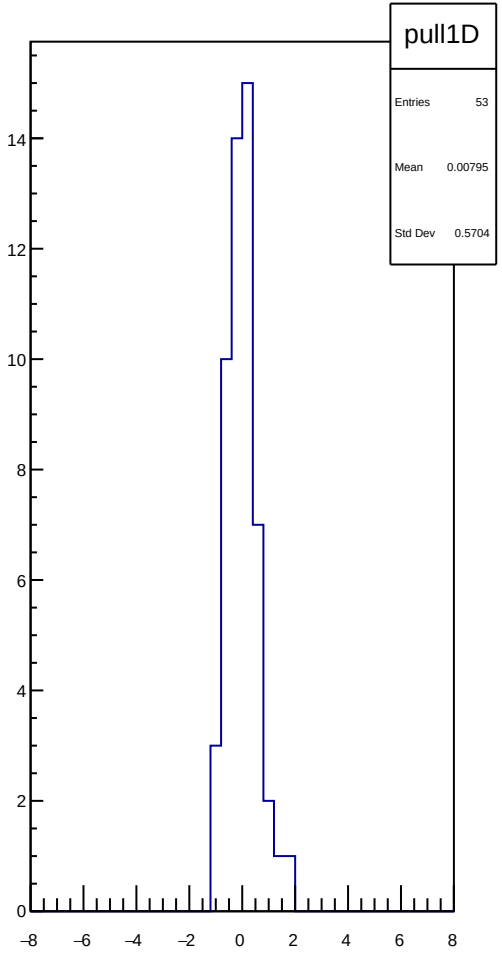

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.81 / 52
p0 16.17 ± 1.377
pull
Entries 53
Mean −243.8
Std Dev 0

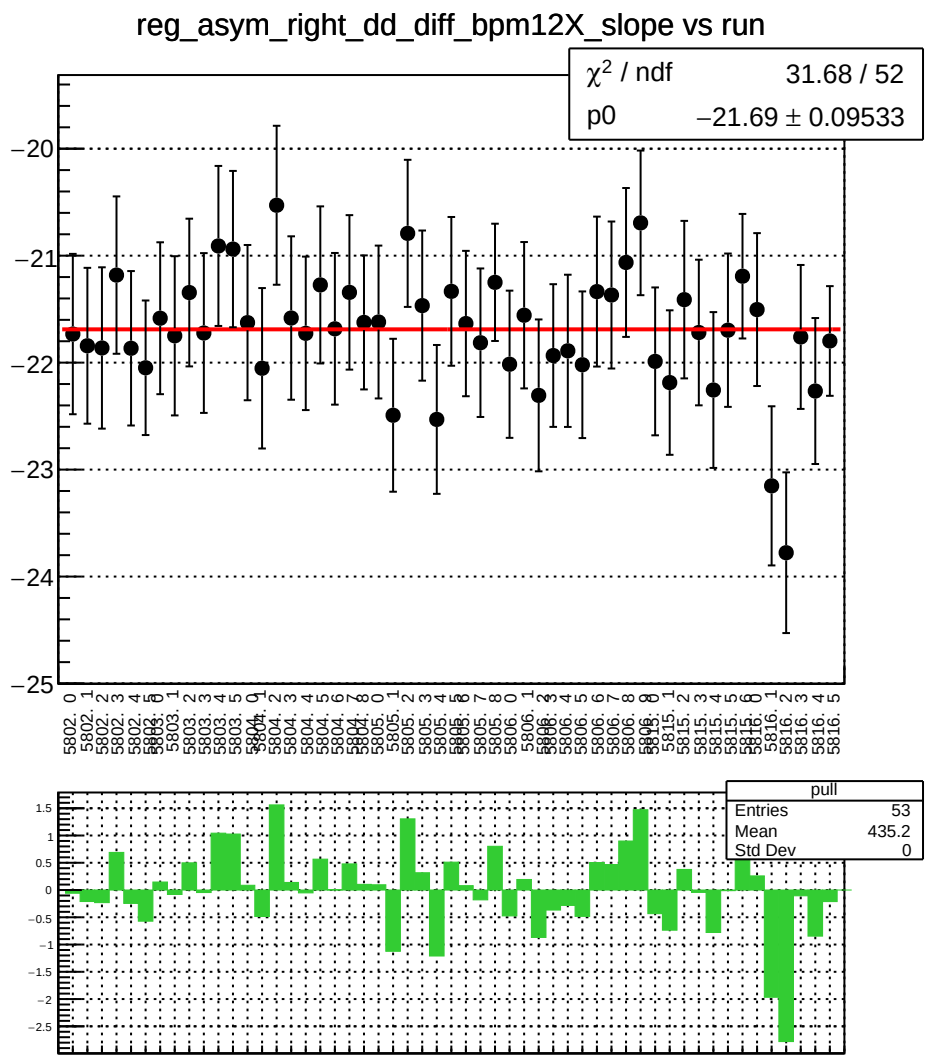

pull1D
Entries 53
Mean −0.008592
Std Dev 0.5631

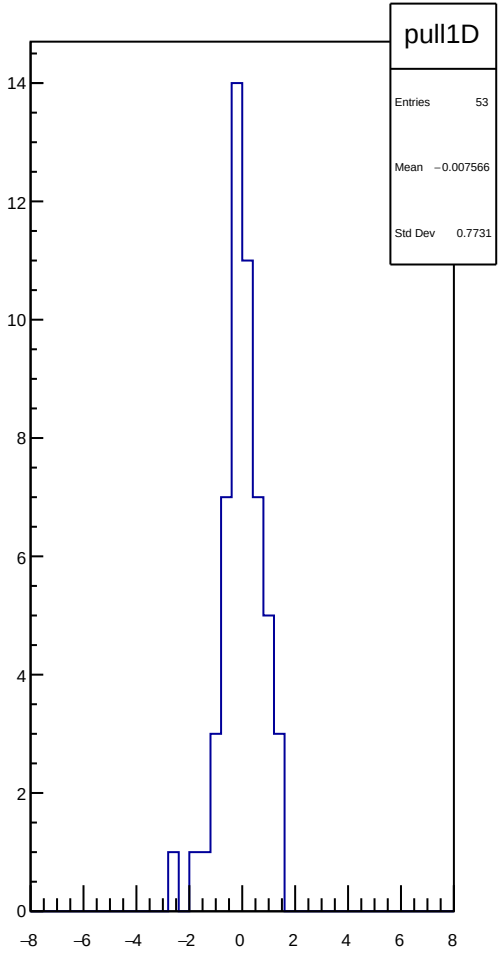

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.64 / 52
p0 100.6 ± 1.219
120
110
100
90
80
pull
Entries 53
Mean 247.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

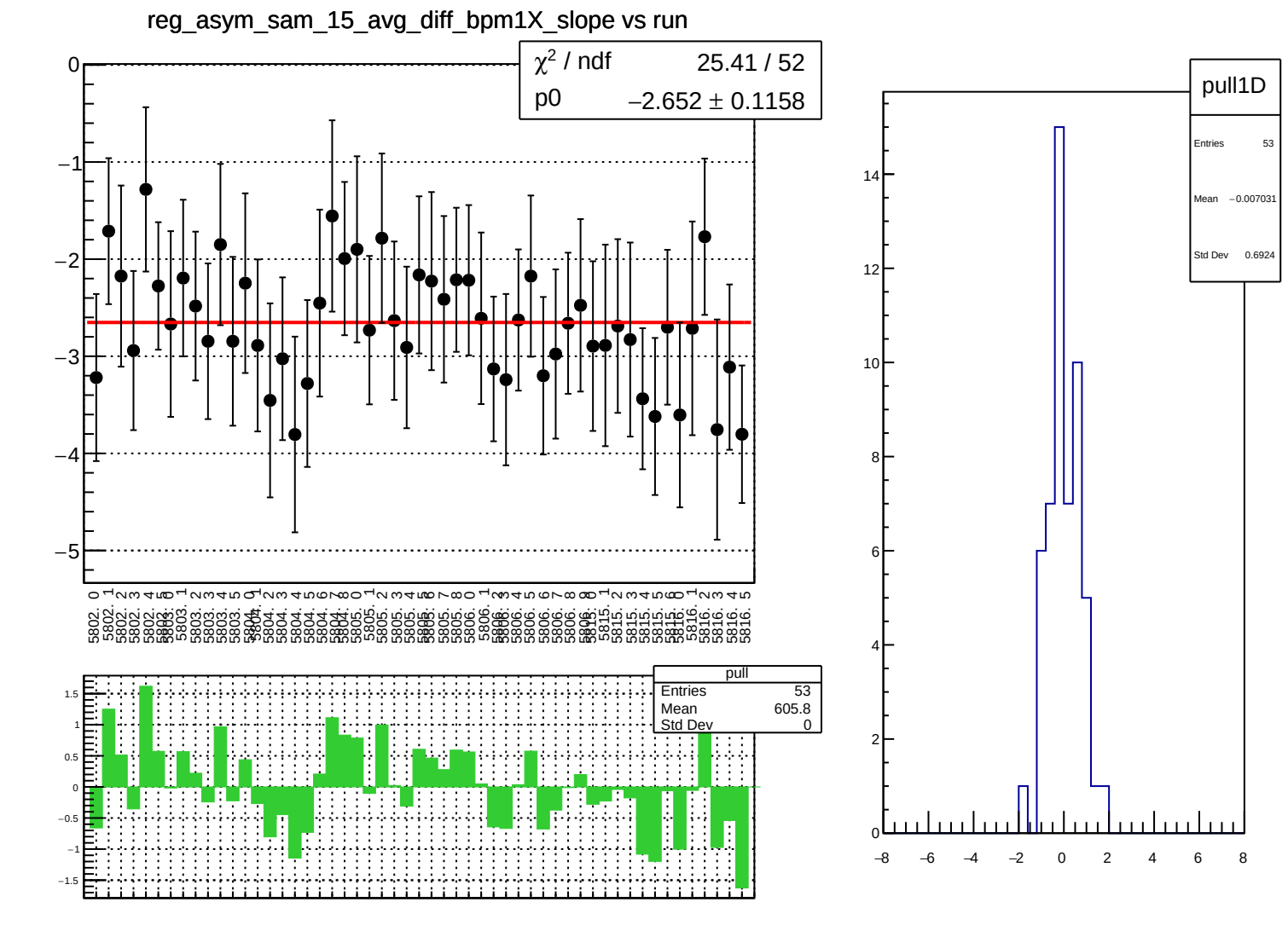

pull1D
Entries 53
Mean 0.00544
Std Dev 0.5255
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

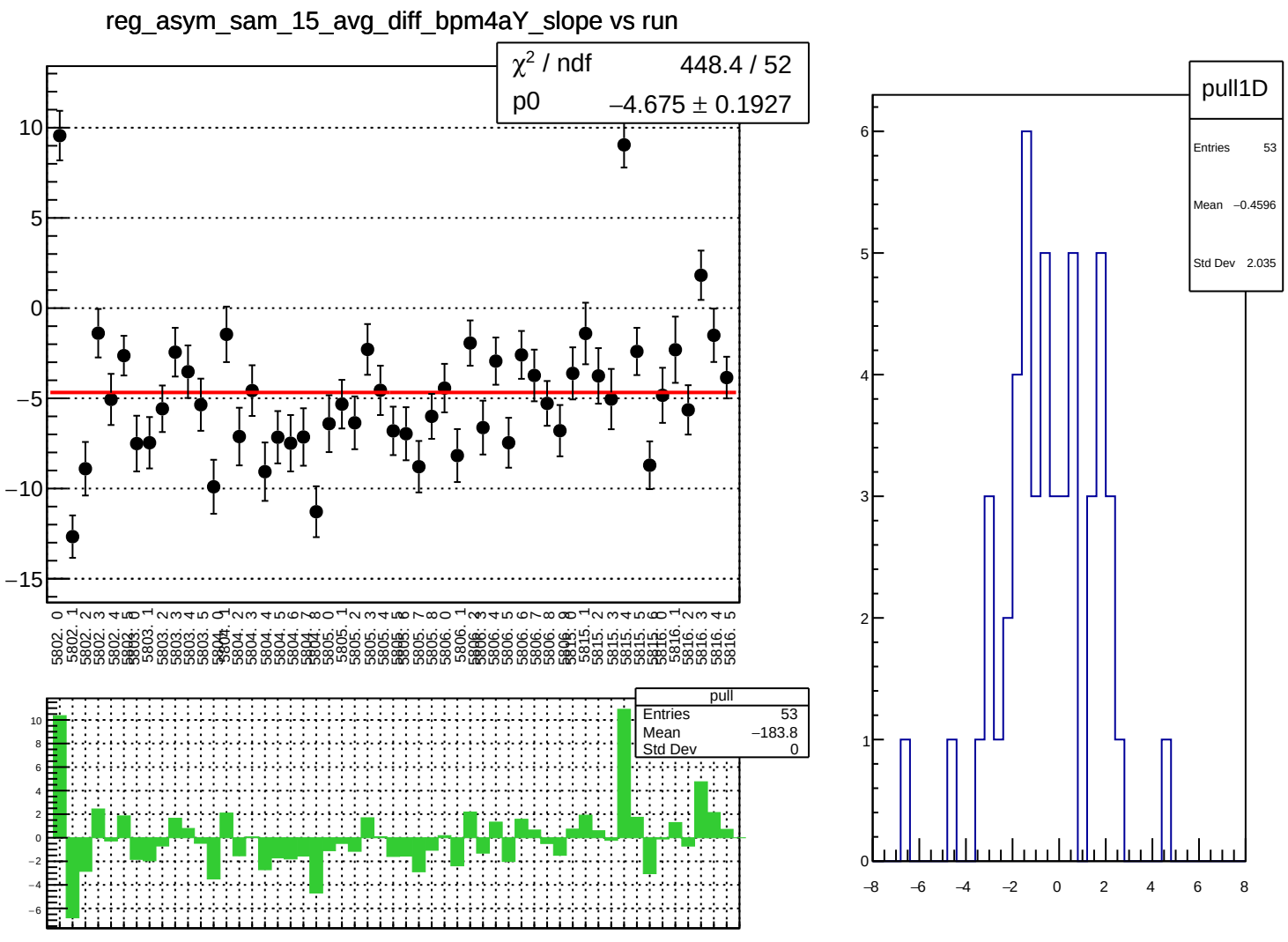

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.25 / 52
p0 −12.34 ± 1.505
pull
Entries 53
Mean −357.9
Std Dev 0

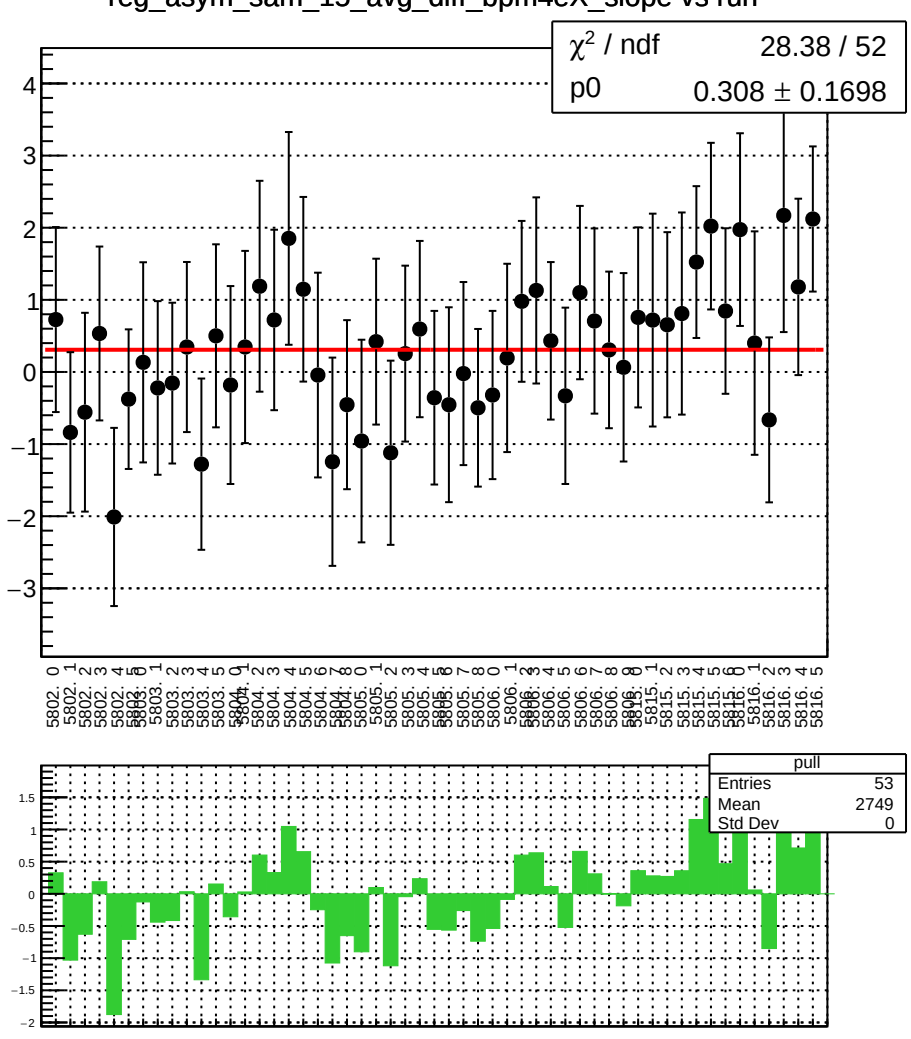

pull1D
Entries 53
Mean 0.00795
Std Dev 0.5704

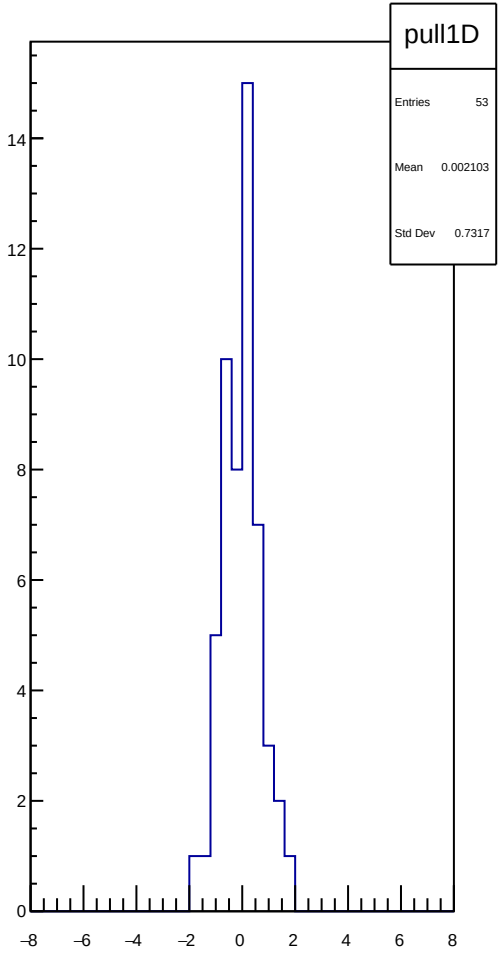

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 31.68 / 52
p0 −21.69 ± 0.09533
pull
Entries 53
Mean 435.2
Std Dev 0

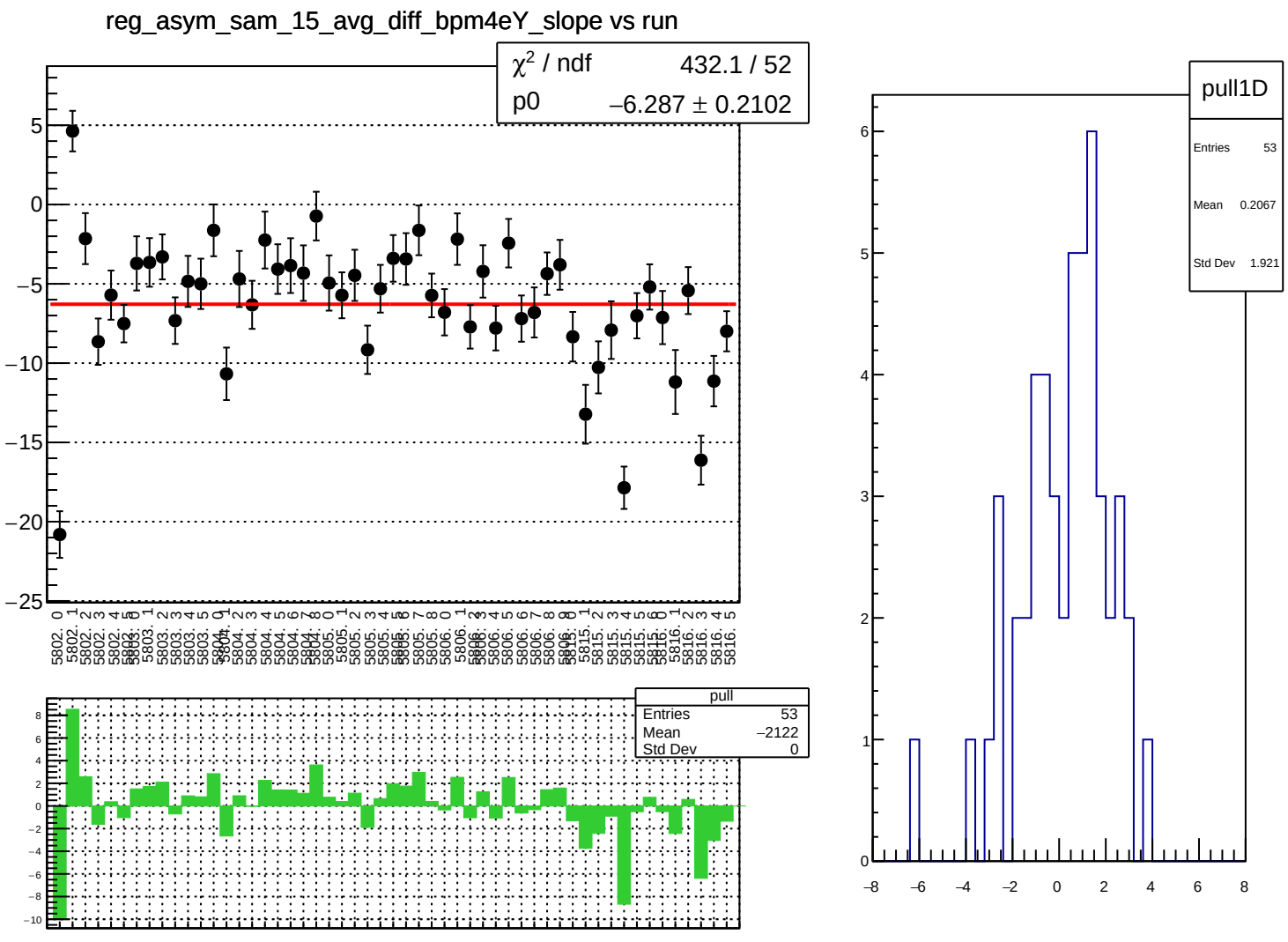

pull1D
Entries 53
Mean −0.007566
Std Dev 0.7731

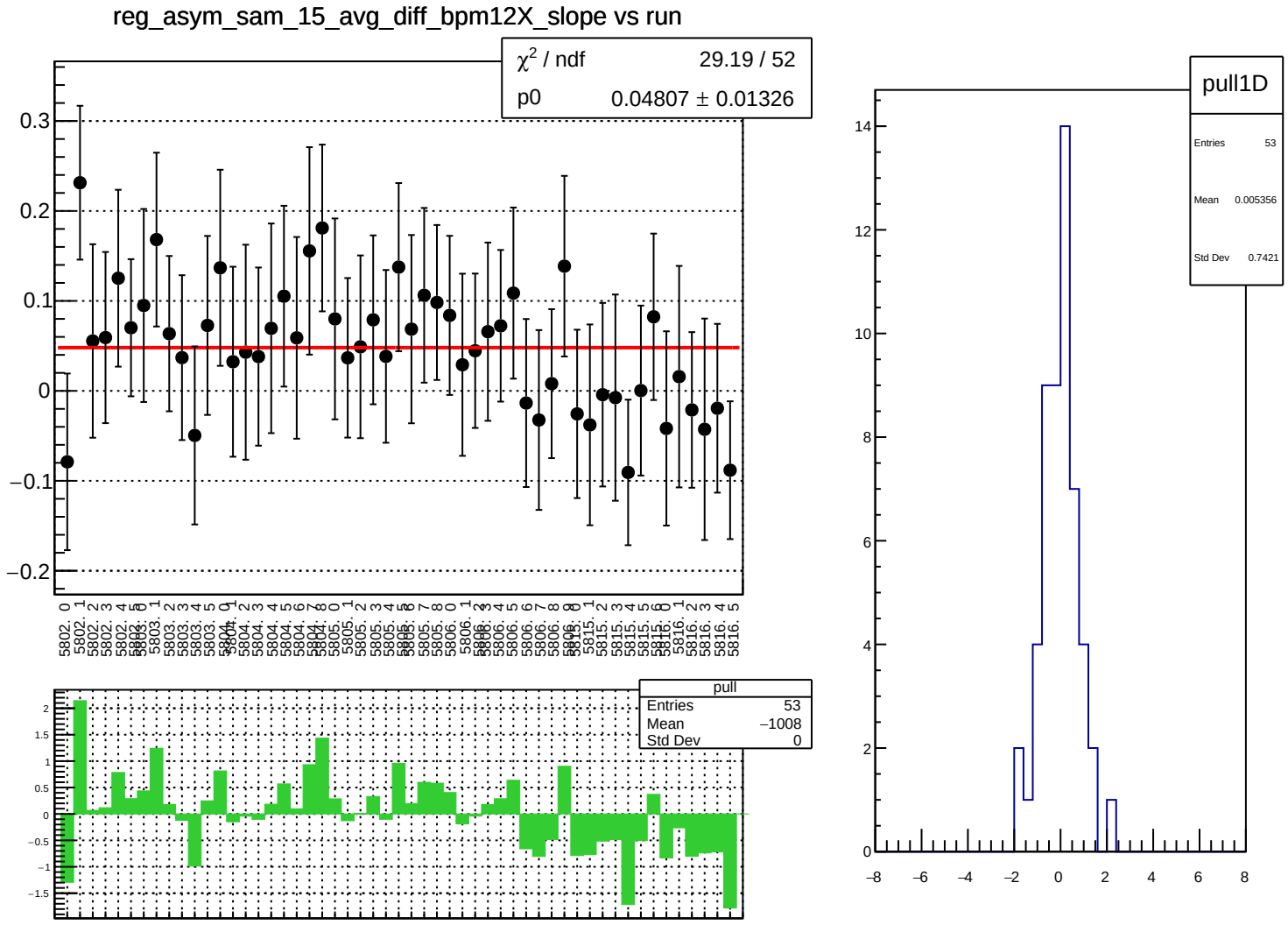

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 25.41 / 52
p0 −2.652 ± 0.1158
pull
Entries 53
Mean 605.8
Std Dev 0
pull1D
Entries 53
Mean −0.007031
Std Dev 0.6924

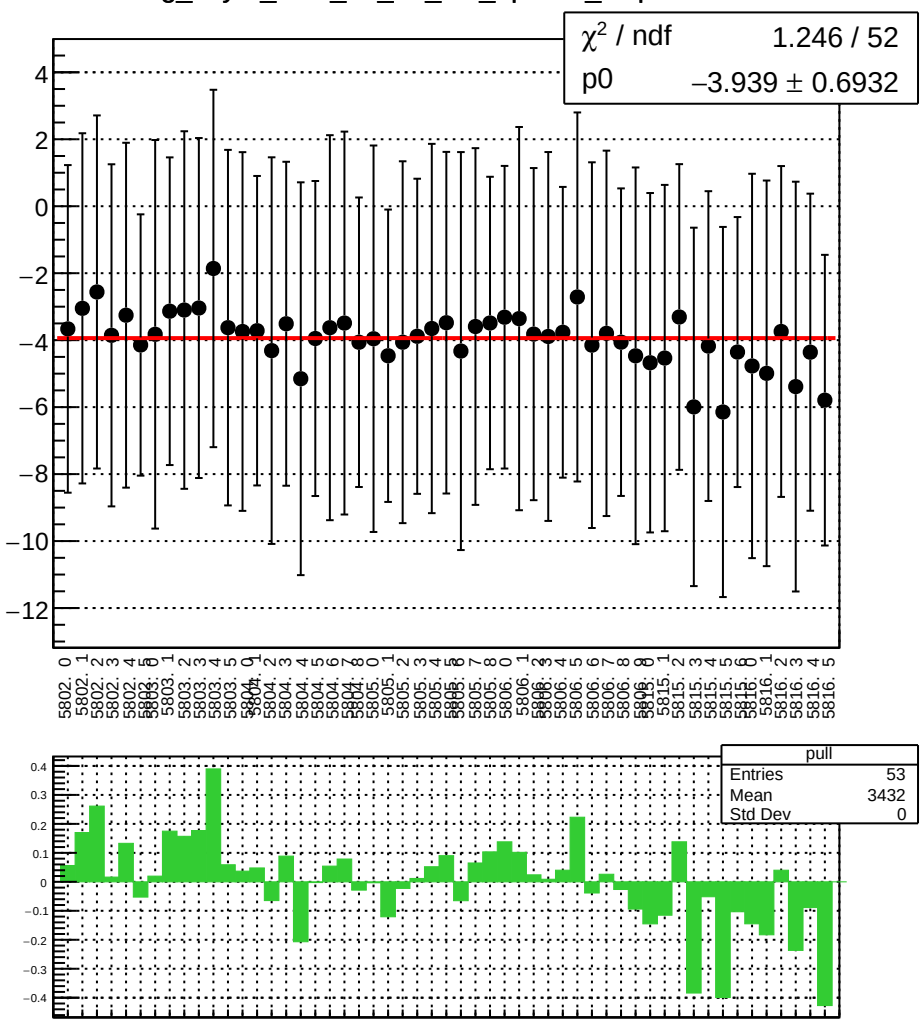

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 448.4 / 52
p0 −4.675 ± 0.1927
pull
Entries 53
Mean −183.8
Std Dev 0
pull1D
Entries 53
Mean −0.4596
Std Dev 2.035

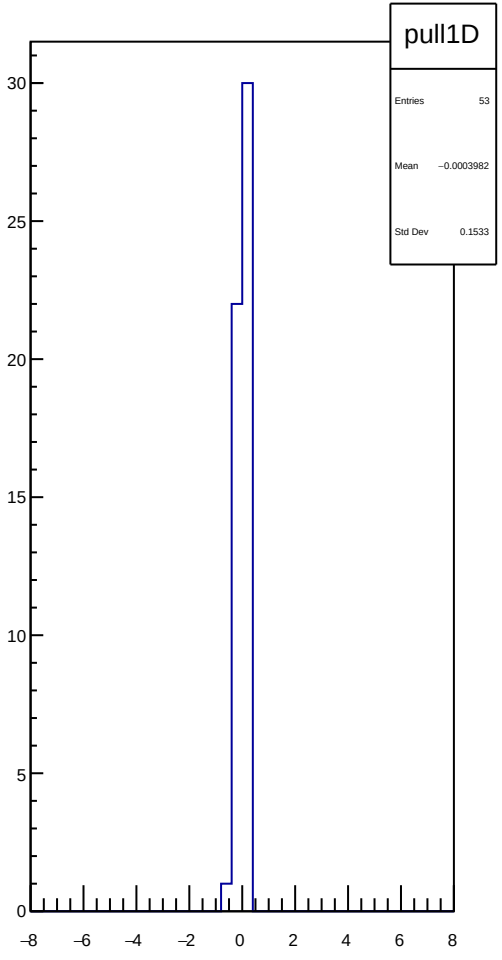

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.38 / 52
p0 0.308 ± 0.1698
pull
Entries 53
Mean 2749
Std Dev 0

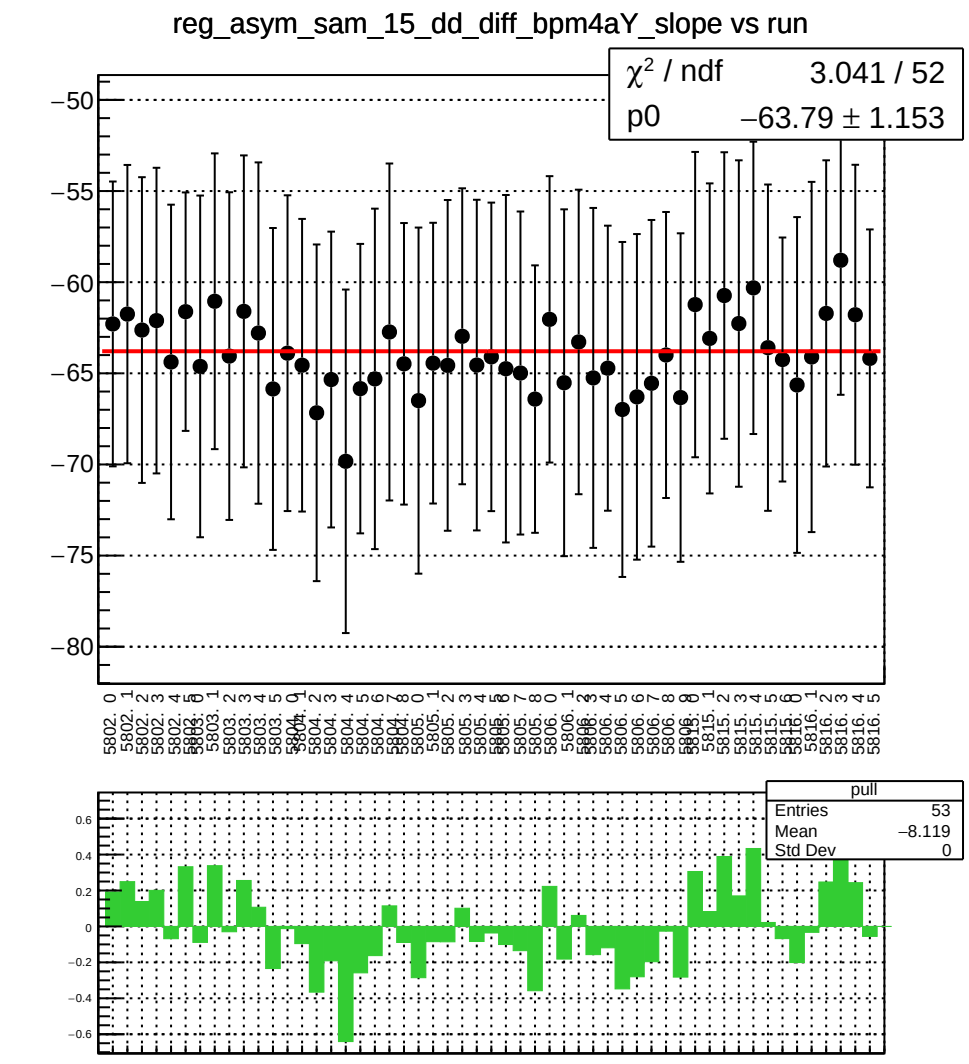

pull1D
Entries 53
Mean 0.002103
Std Dev 0.7317

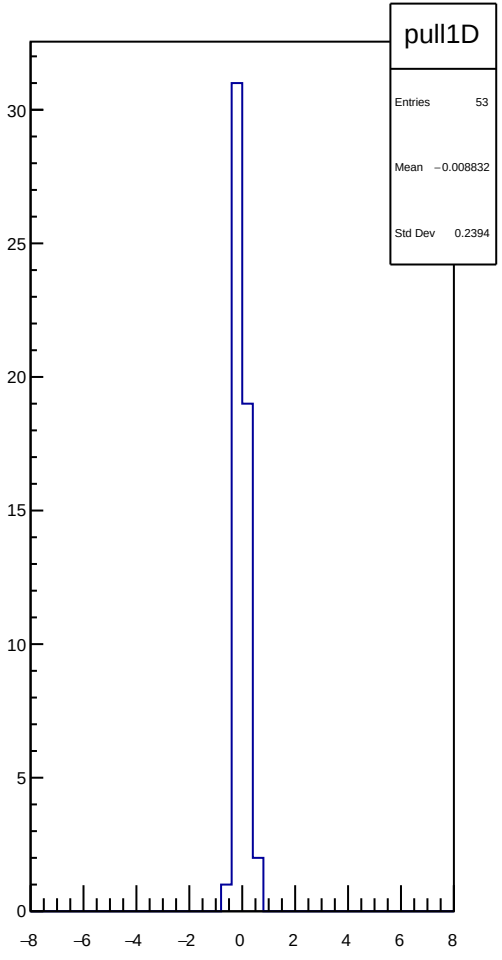

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 432.1 / 52
p0 −6.287 ± 0.2102
pull
Entries 53
Mean −2122
Std Dev 0
pull1D
Entries 53
Mean 0.2067
Std Dev 1.921

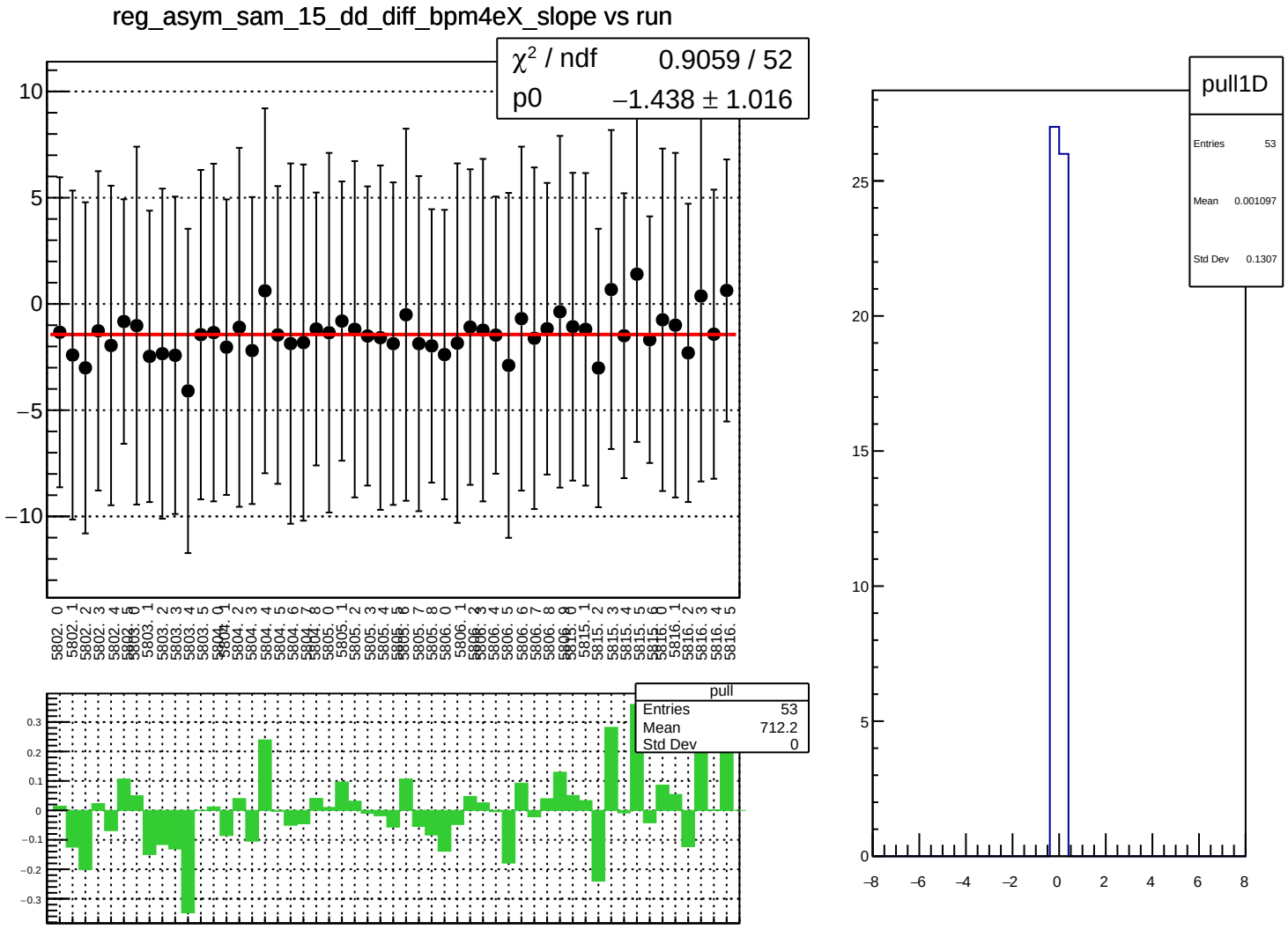

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 29.19 / 52
p0 0.04807 ± 0.01326
pull
Entries 53
Mean −1008
Std Dev 0
pull1D
Entries 53
Mean 0.005356
Std Dev 0.7421

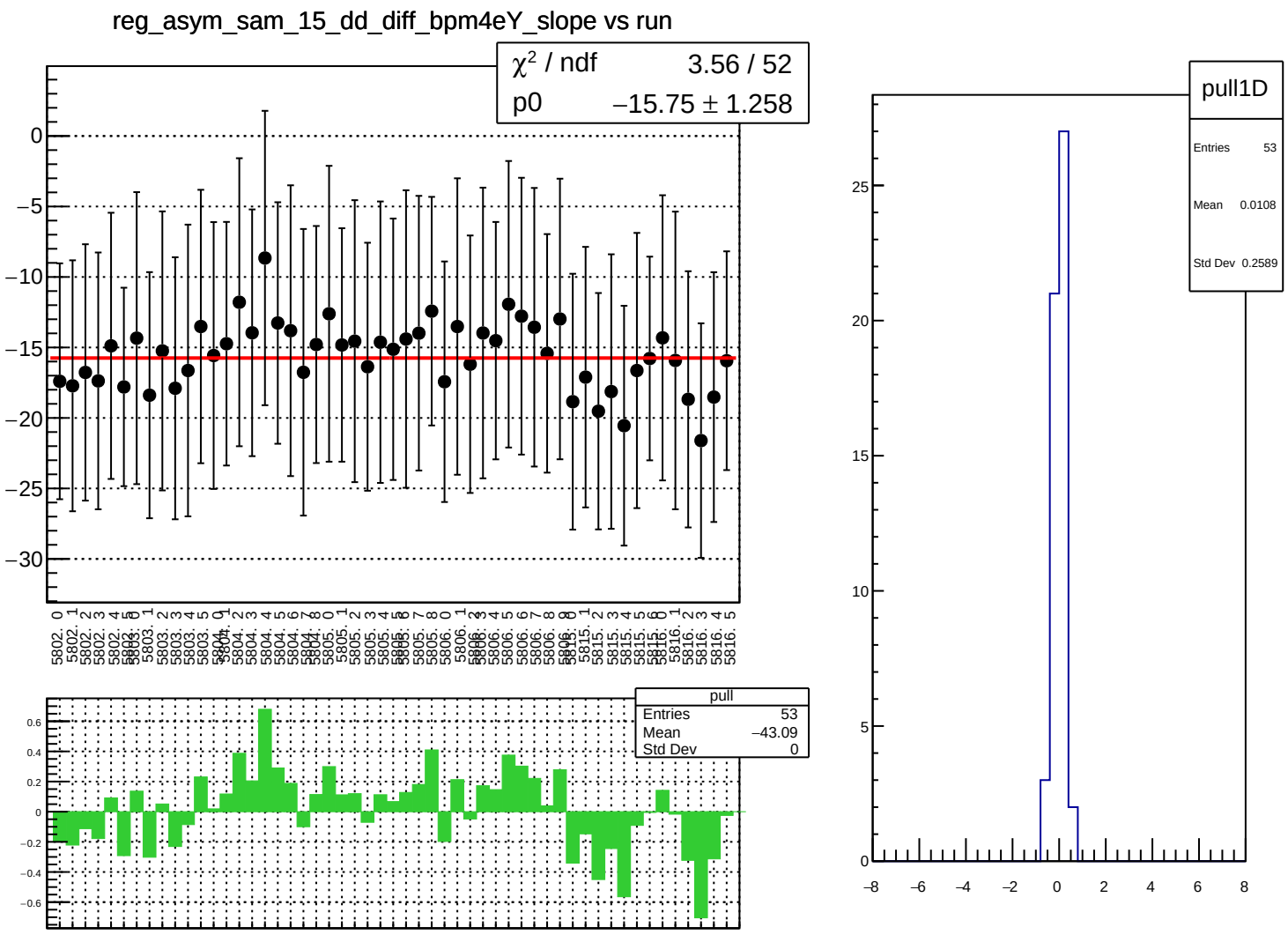

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 1.246 / 52
p0 −3.939 ± 0.6932
pull
Entries 53
Mean 3432
Std Dev 0

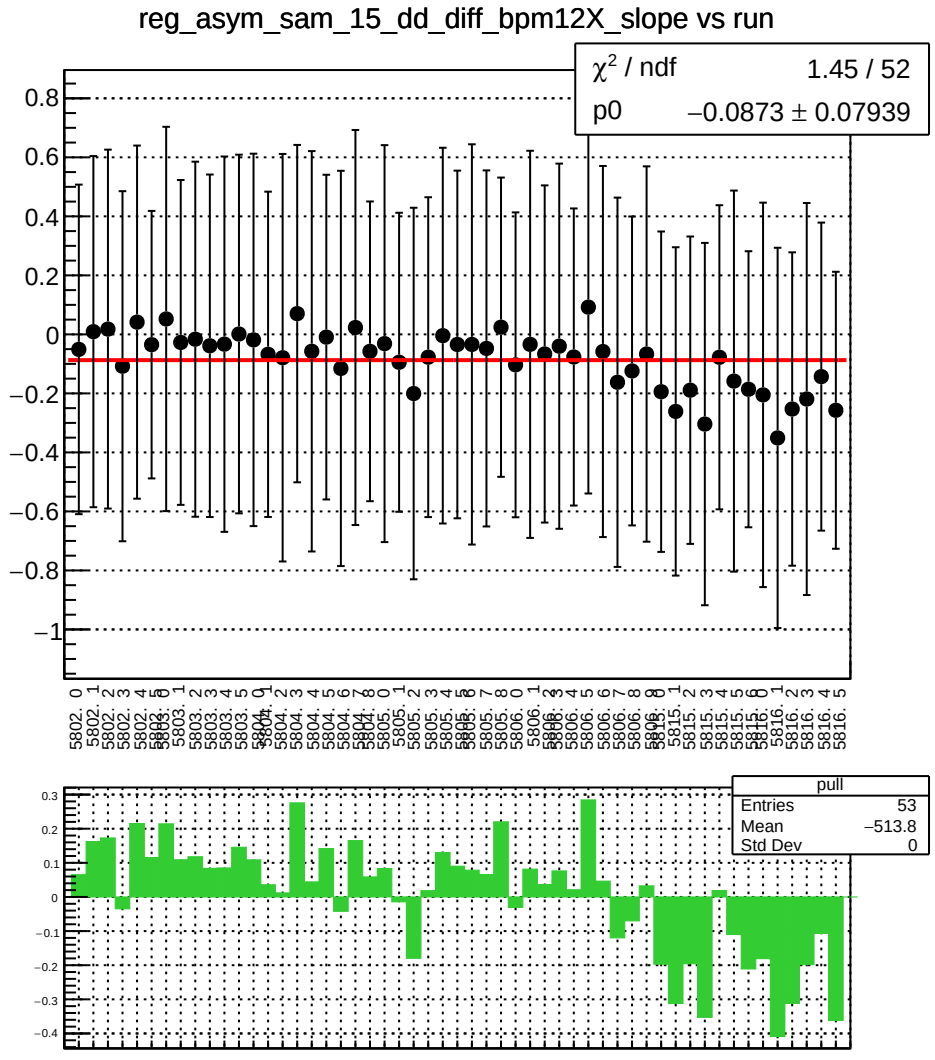

pull1D
Entries 53
Mean −0.0003982
Std Dev 0.1533

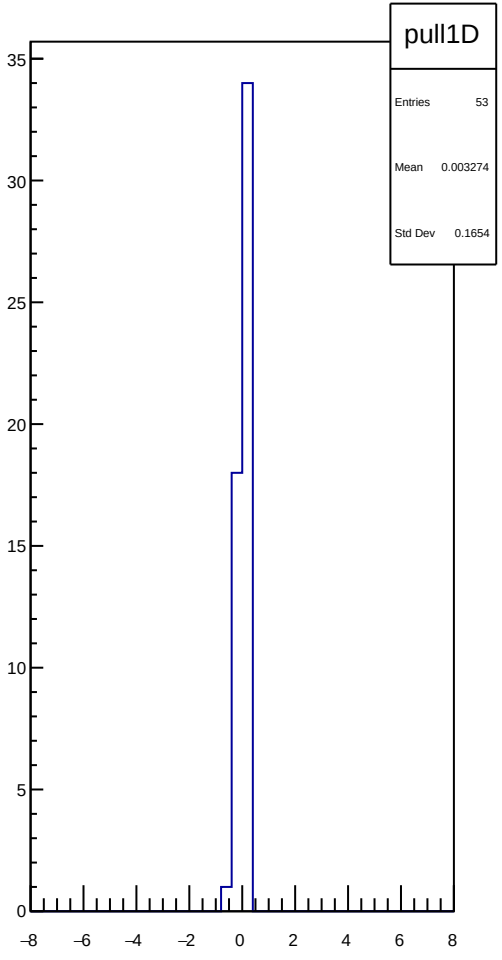

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.041 / 52
p0 −63.79 ± 1.153
pull
Entries 53
Mean −8.119
Std Dev 0

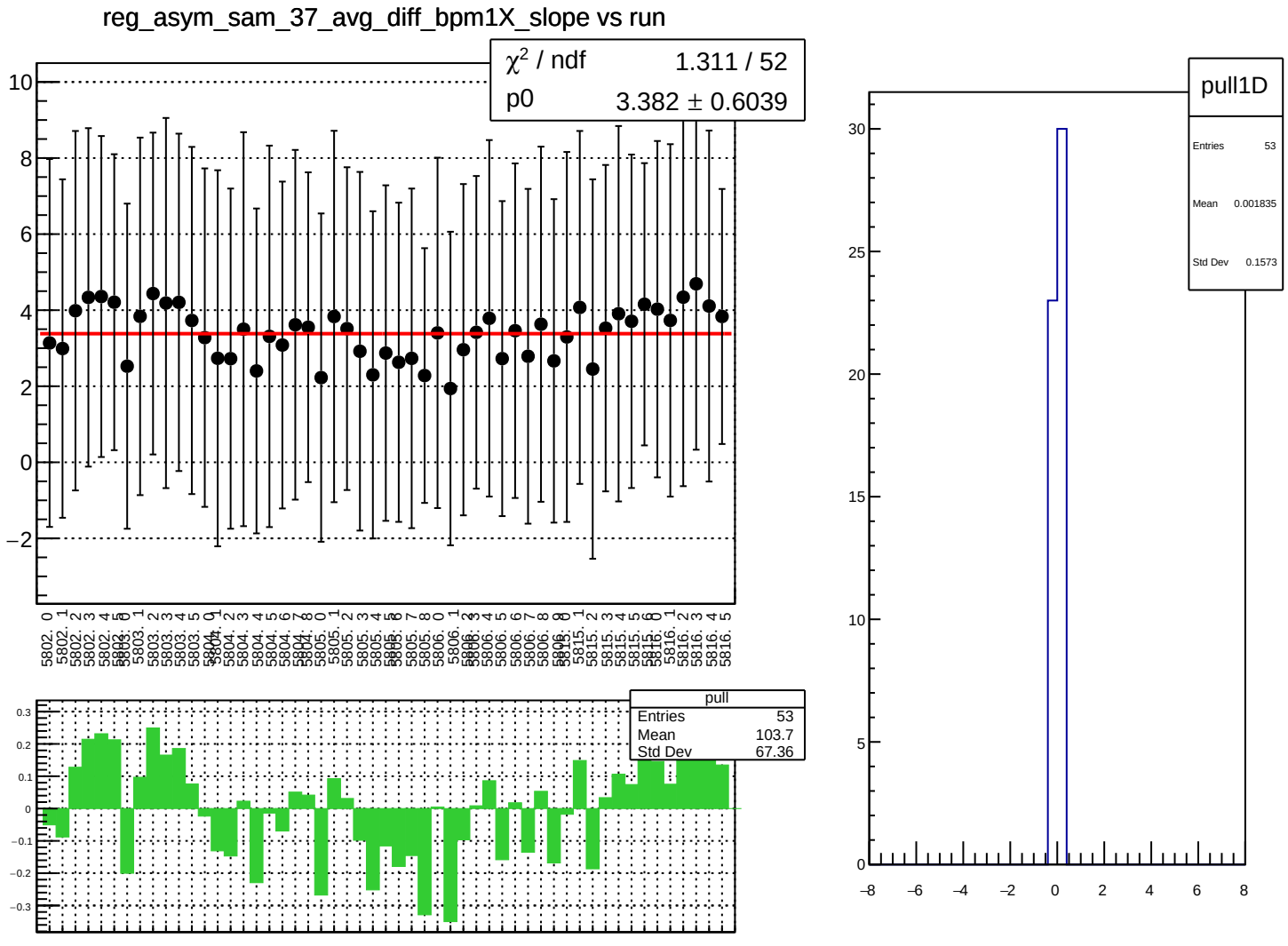

pull1D
Entries 53
Mean −0.008832
Std Dev 0.2394

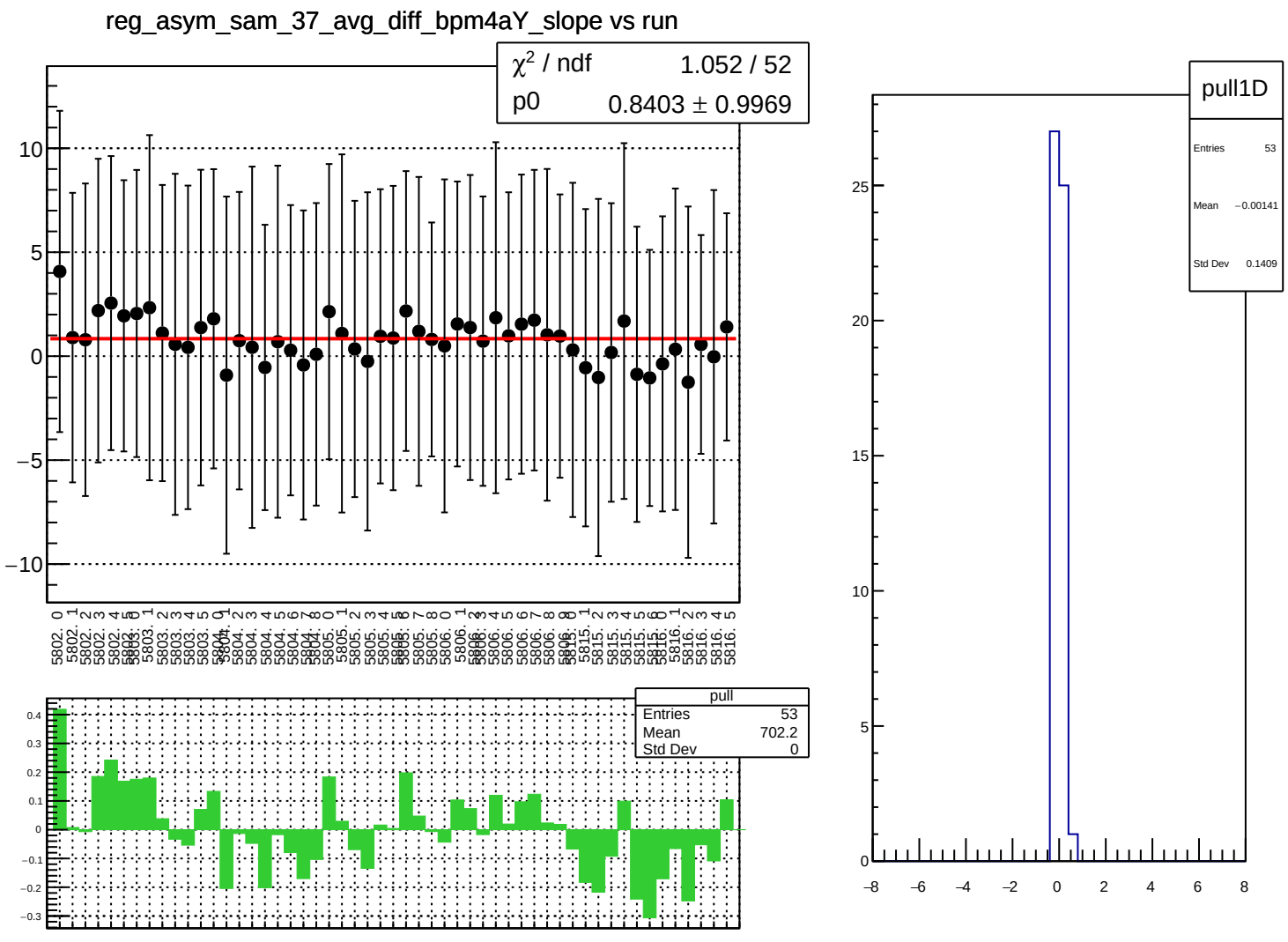

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9059 / 52
p0 −1.438 ± 1.016
pull
Entries 53
Mean 712.2
Std Dev 0
pull1D
Entries 53
Mean 0.001097
Std Dev 0.1307

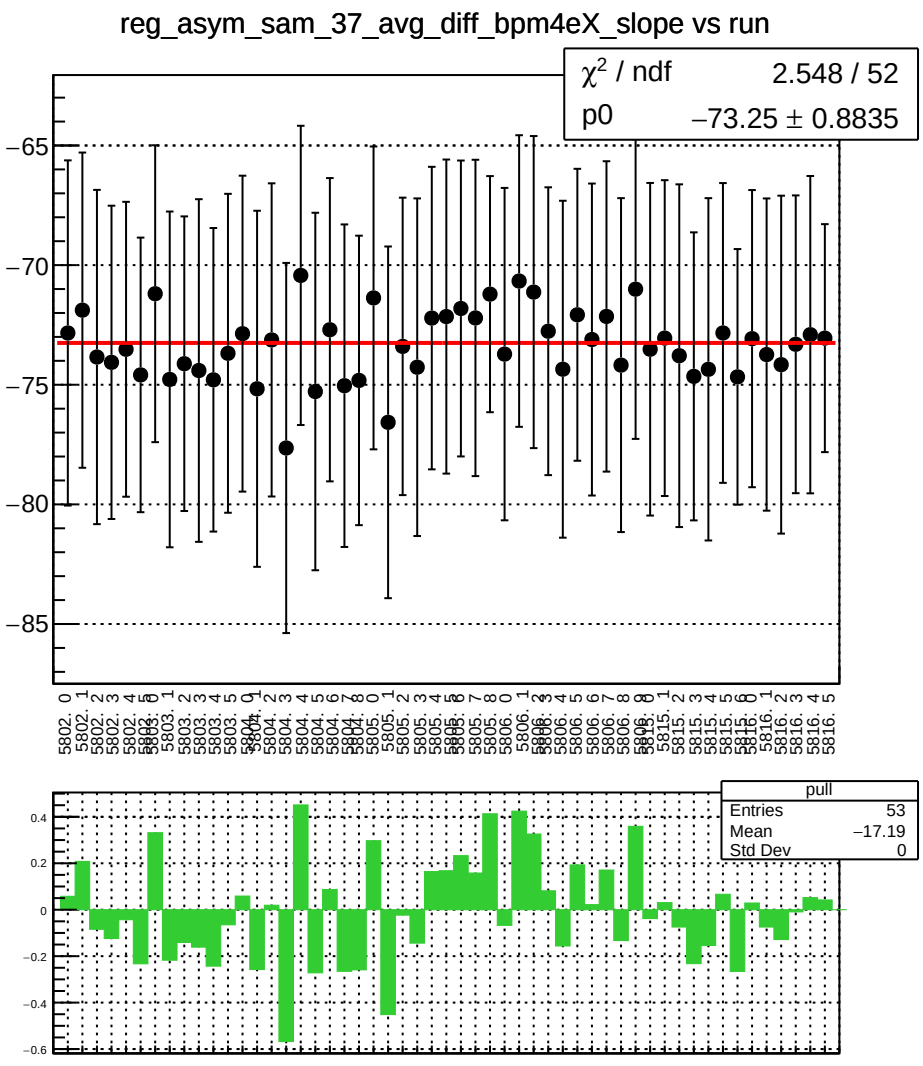

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.56 / 52
p0 −15.75 ± 1.258
pull
Entries 53
Mean −43.09
Std Dev 0
pull1D
Entries 53
Mean 0.0108
Std Dev 0.2589

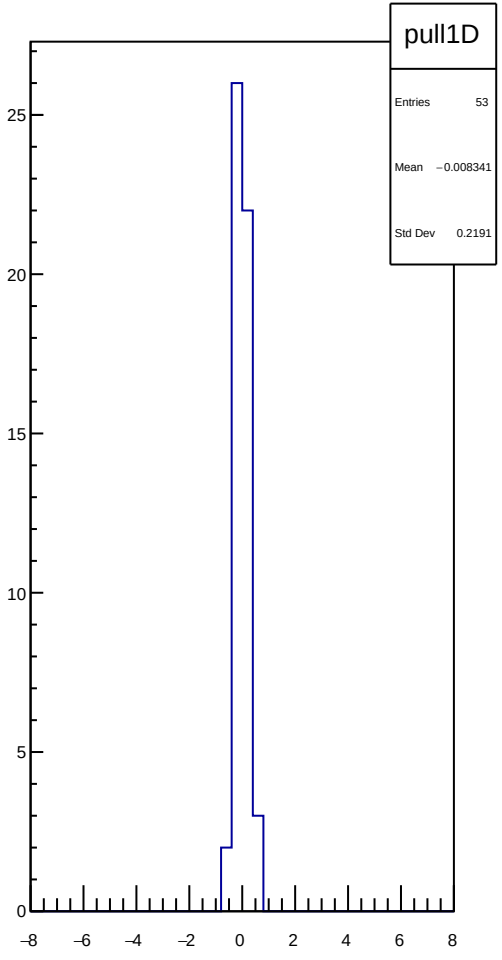

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.45 / 52
p0 −0.0873 ± 0.07939
pull
Entries 53
Mean −513.8
Std Dev 0

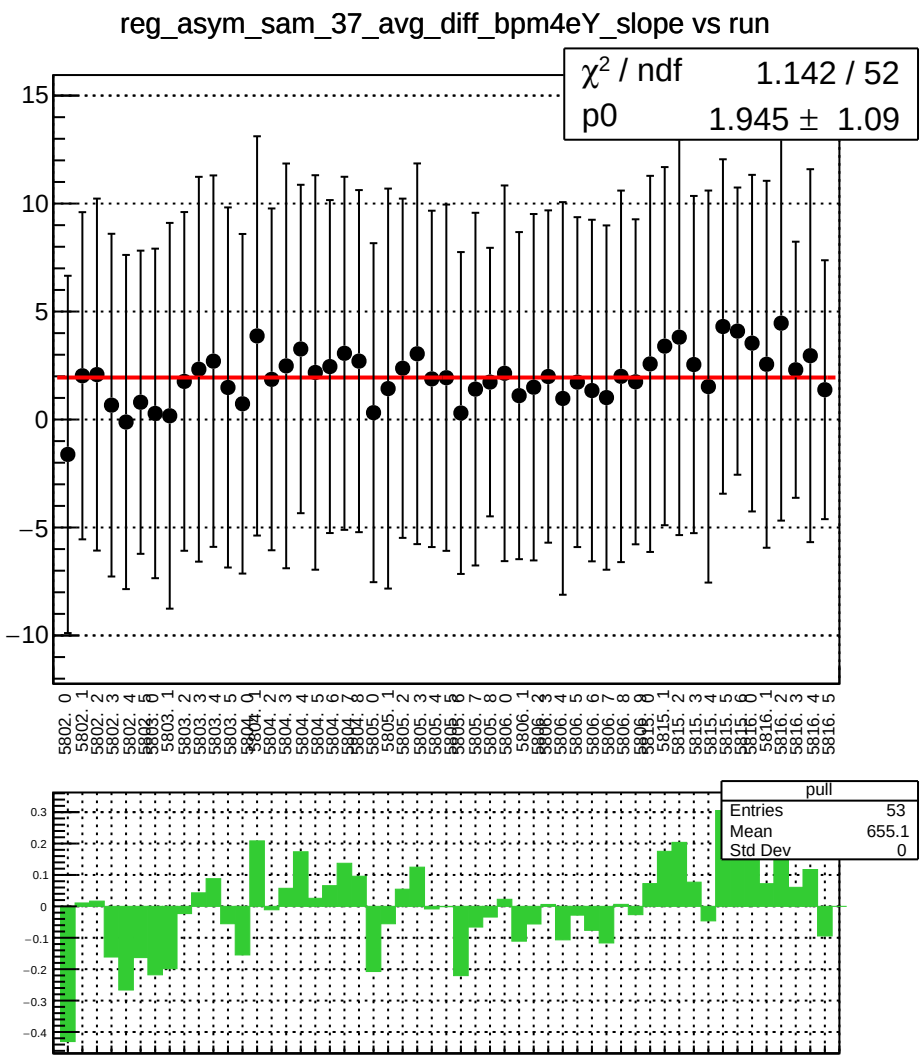

pull1D
Entries 53
Mean 0.003274
Std Dev 0.1654

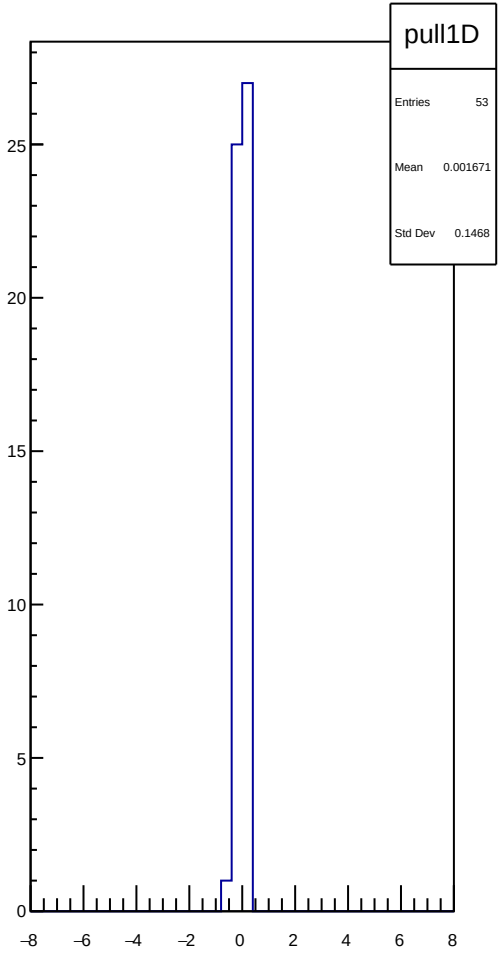

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1.311 / 52
p0 3.382 ± 0.6039
pull
Entries 53
Mean 103.7
Std Dev 67.36
pull1D
Entries 53
Mean 0.001835
Std Dev 0.1573

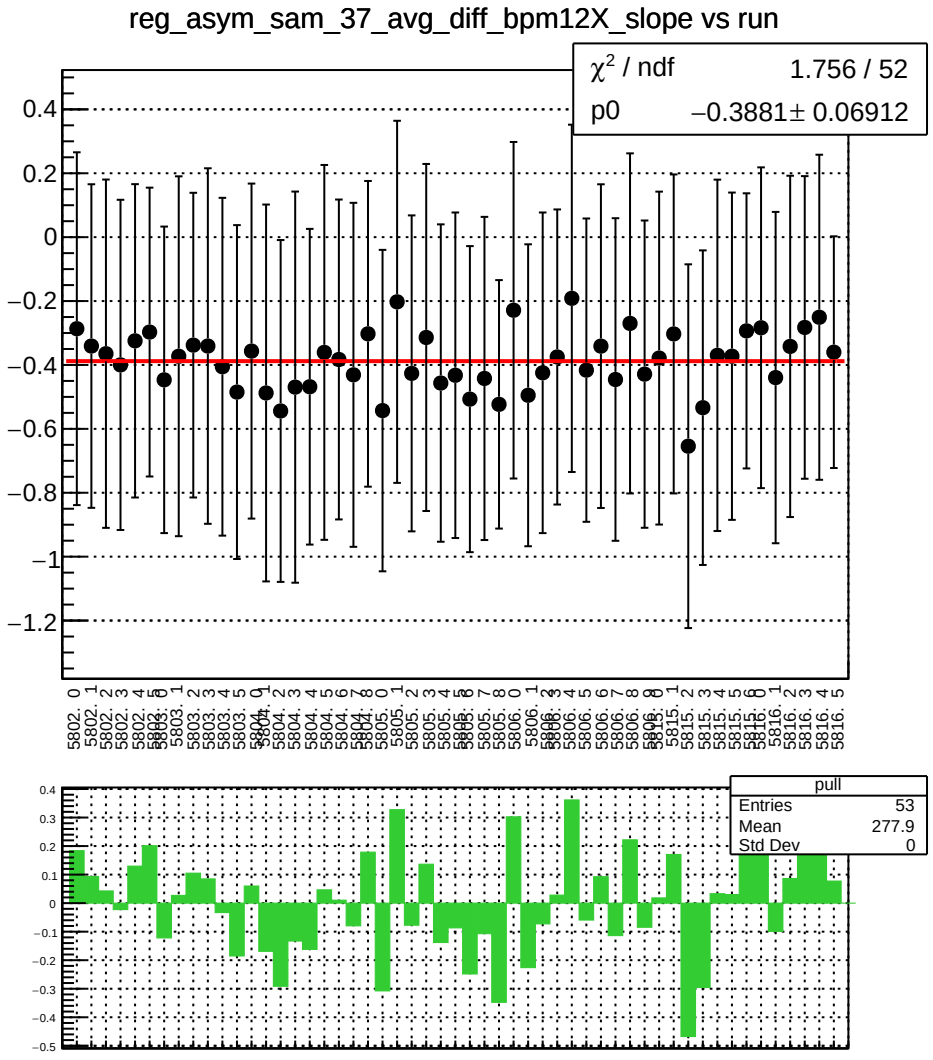

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.052 / 52
p0 0.8403 ± 0.9969
pull
Entries 53
Mean 702.2
Std Dev 0
pull1D
Entries 53
Mean −0.00141
Std Dev 0.1409

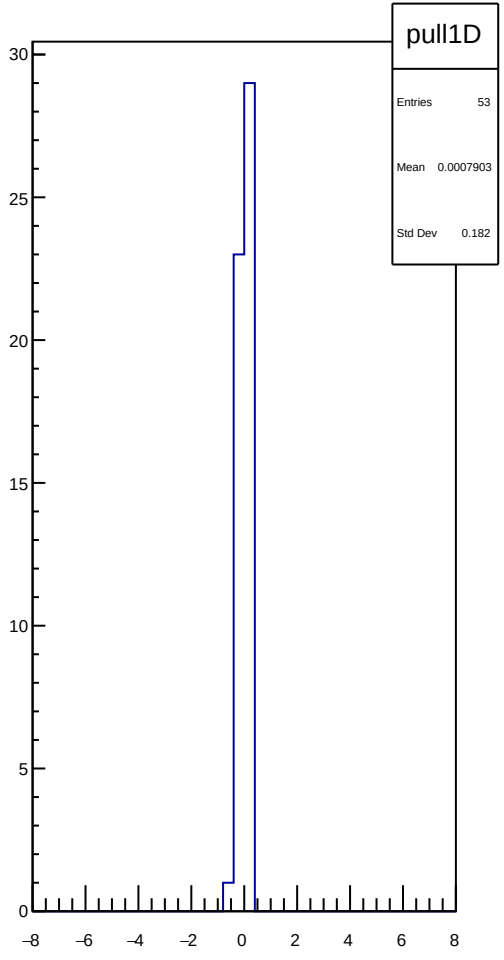

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.548 / 52
p0 −73.25 ± 0.8835
pull
Entries 53
Mean −17.19
Std Dev 0

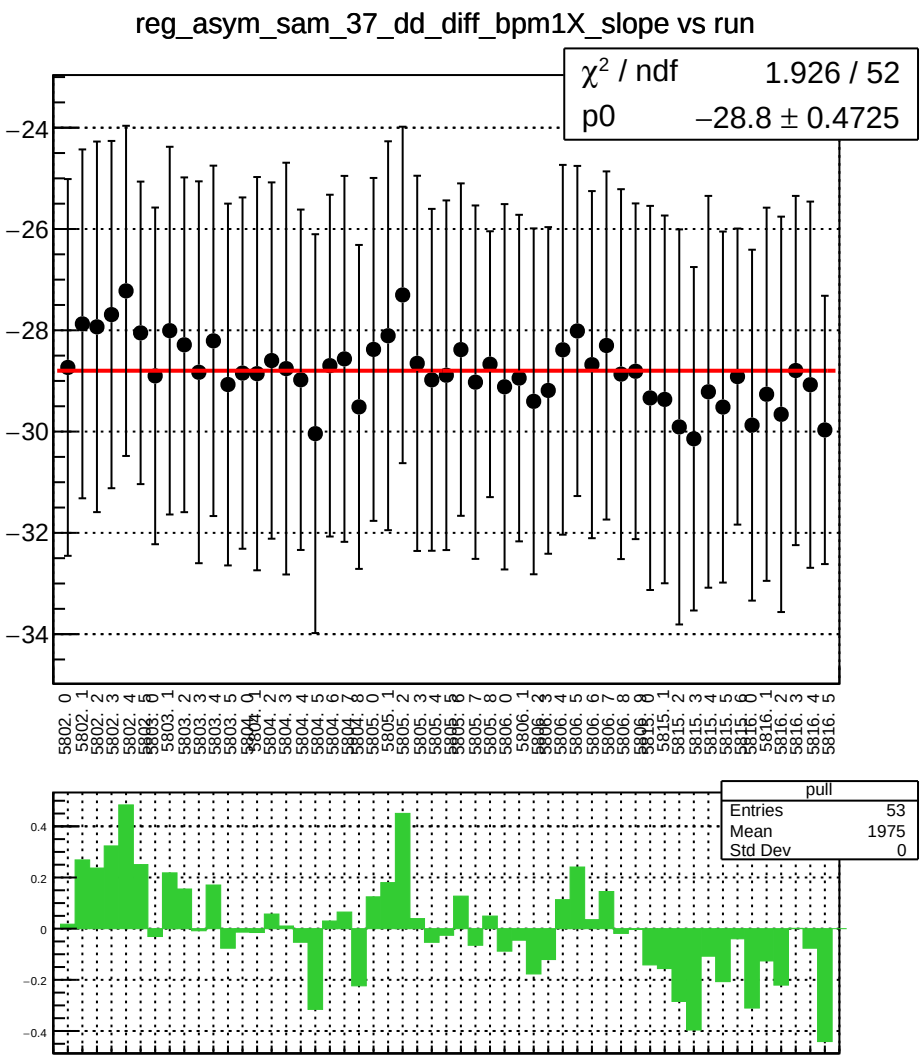

pull1D
Entries 53
Mean −0.008341
Std Dev 0.2191

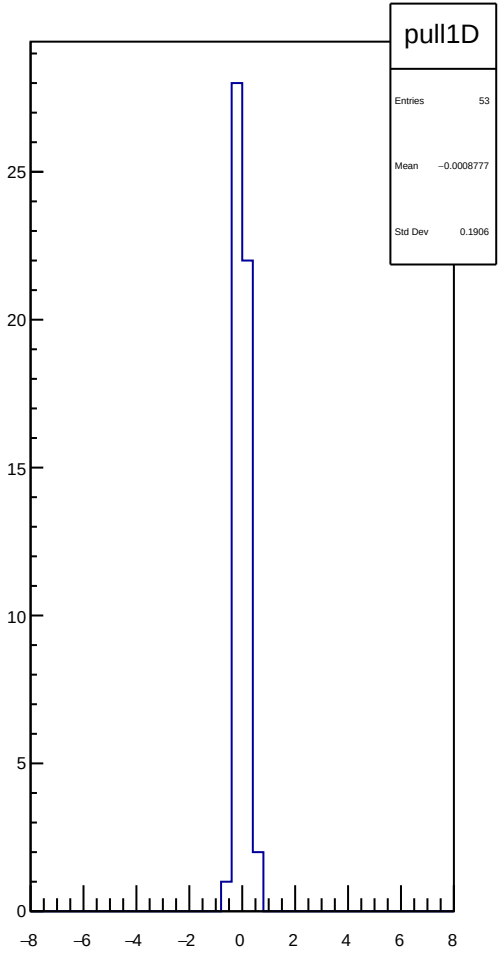

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.142 / 52
p0 1.945 ± 1.09
pull
Entries 53
Mean 655.1
Std Dev 0

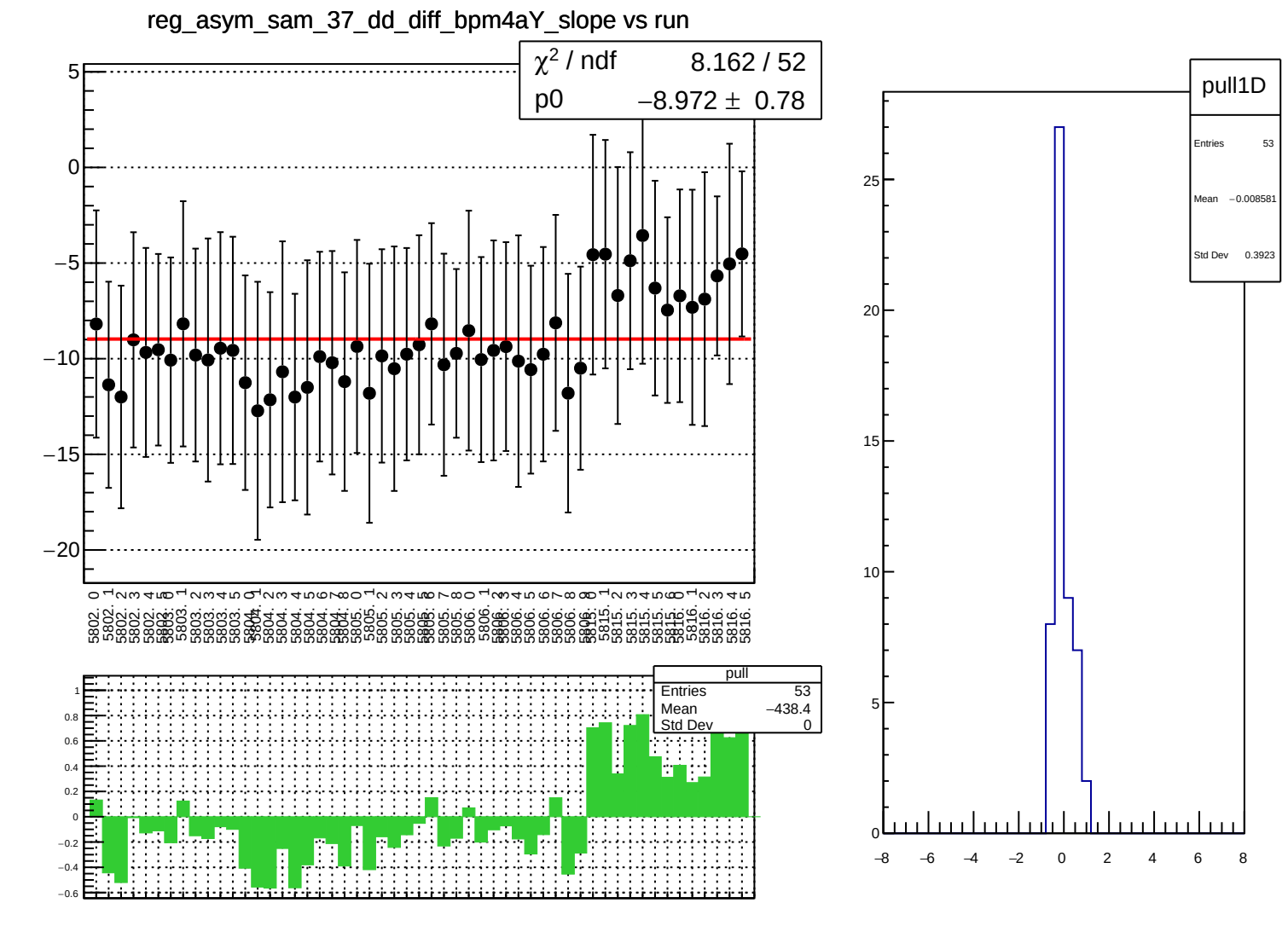

pull1D
Entries 53
Mean 0.001671
Std Dev 0.1468

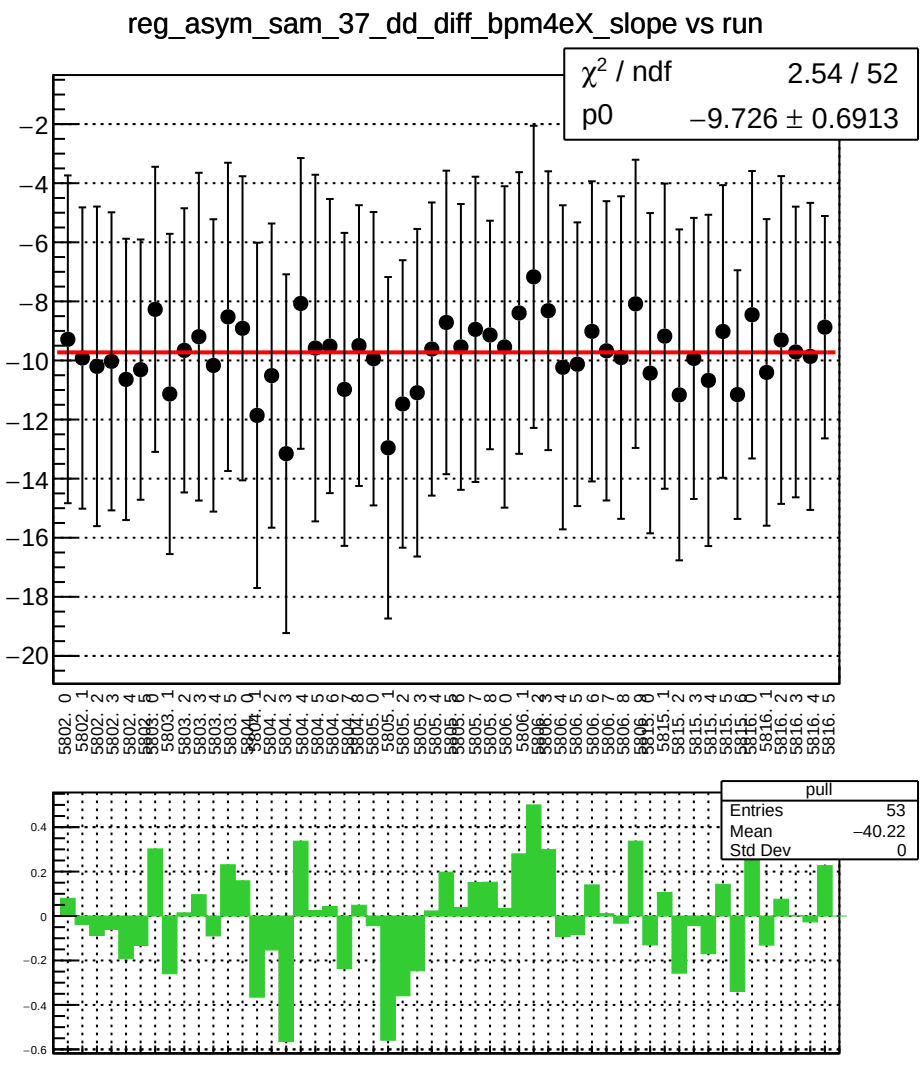

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.756 / 52
p0 −0.3881± 0.06912
pull
Entries 53
Mean 277.9
Std Dev 0

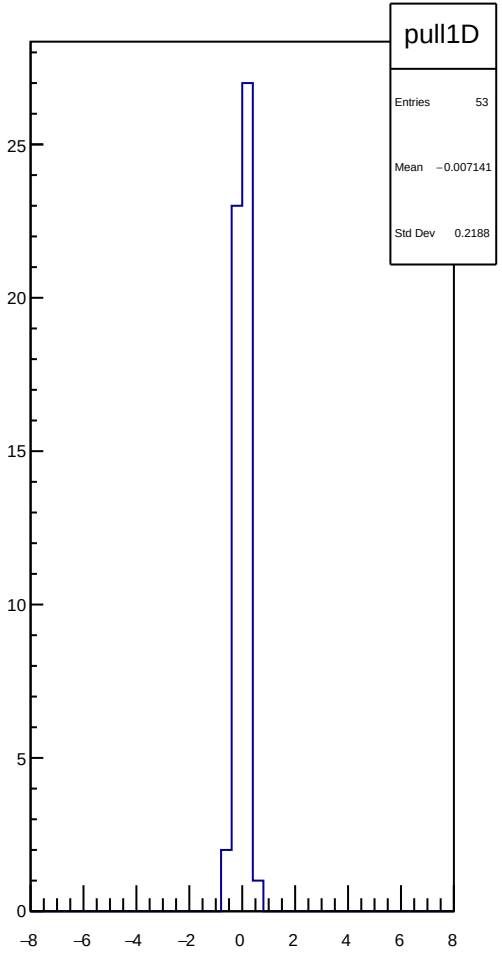

pull1D
Entries 53
Mean 0.0007903
Std Dev 0.182

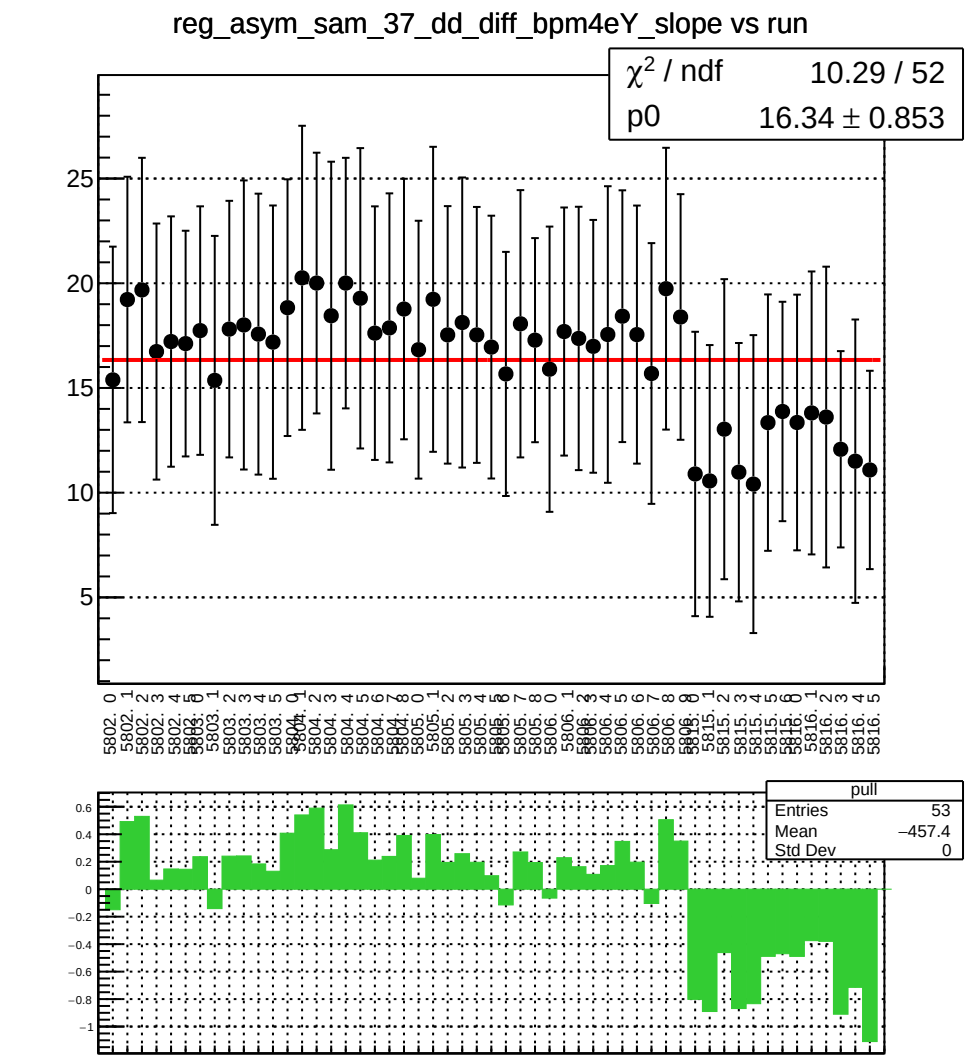

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.926 / 52
p0 −28.8 ± 0.4725
pull
Entries 53
Mean 1975
Std Dev 0

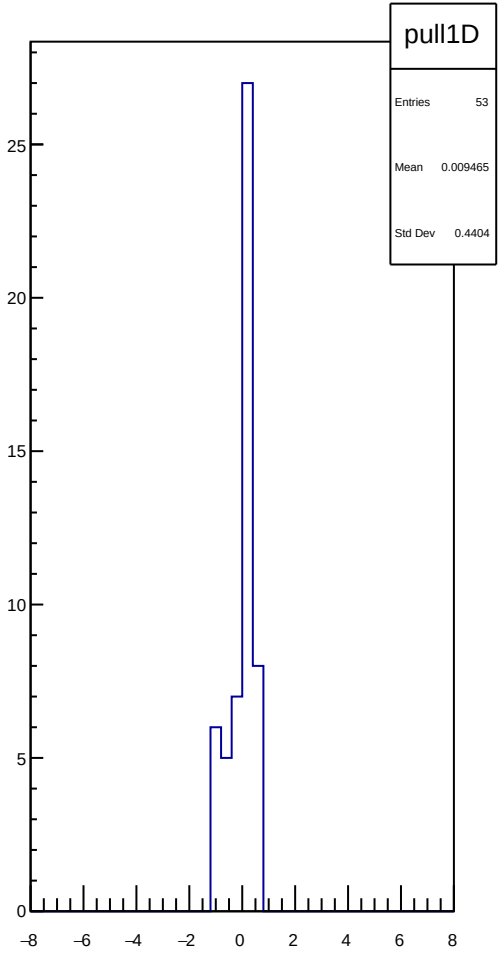

pull1D
Entries 53
Mean −0.0008777
Std Dev 0.1906

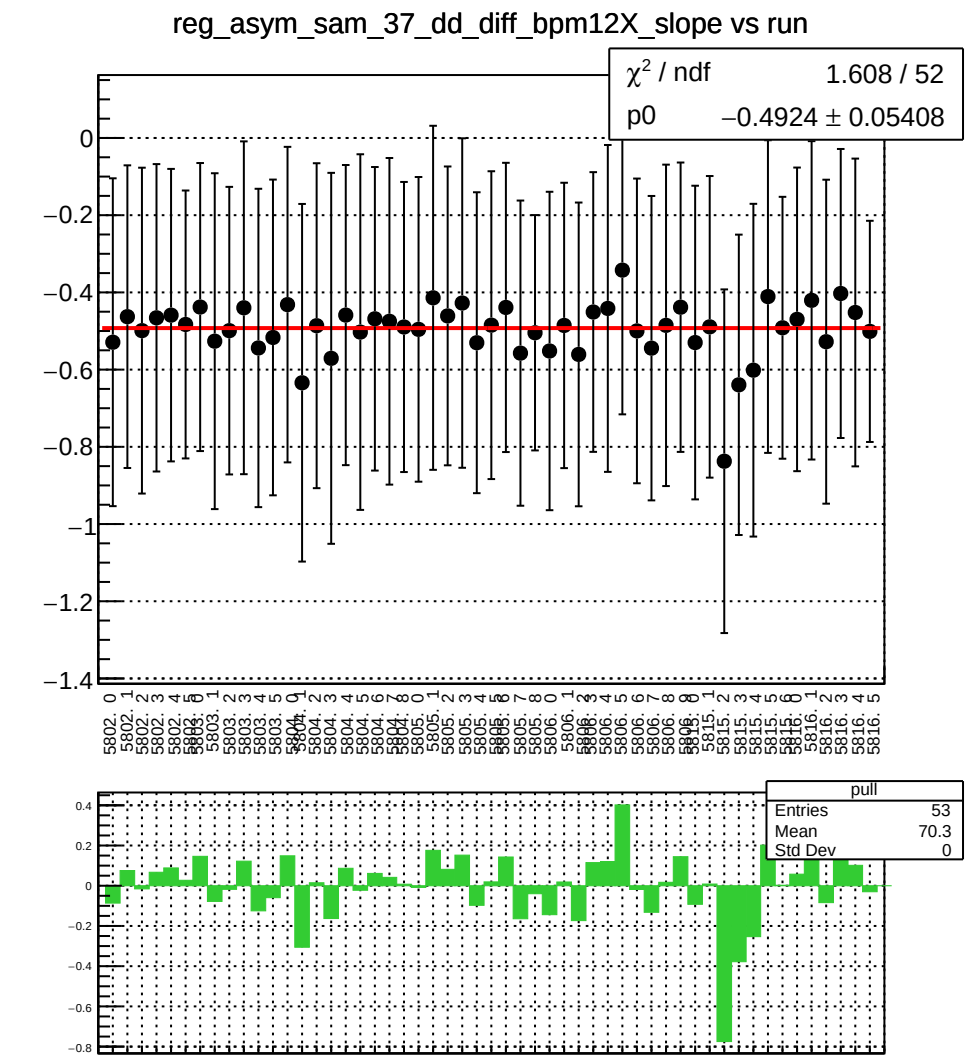

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.162 / 52
p0 −8.972 ± 0.78
pull
Entries 53
Mean −438.4
Std Dev 0
pull1D
Entries 53
Mean −0.008581
Std Dev 0.3923

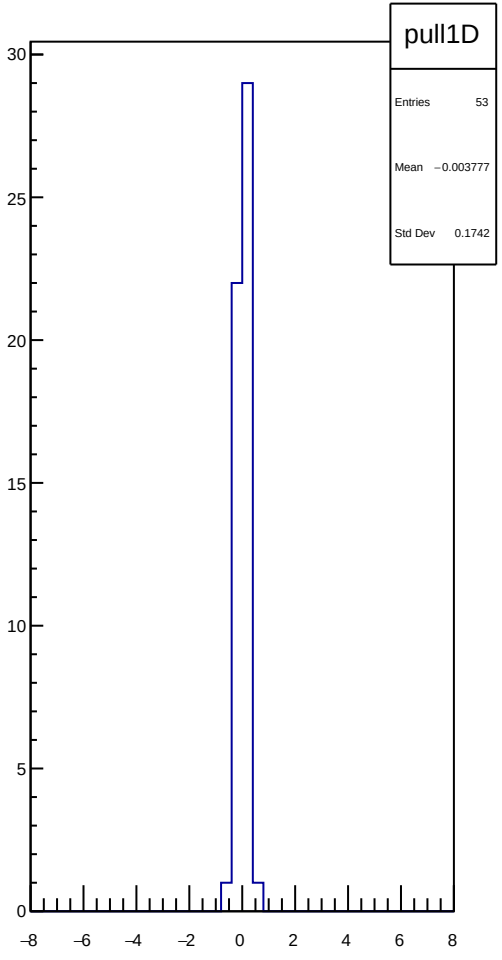

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.54 / 52
p0 −9.726 ± 0.6913
pull
Entries 53
Mean −40.22
Std Dev 0

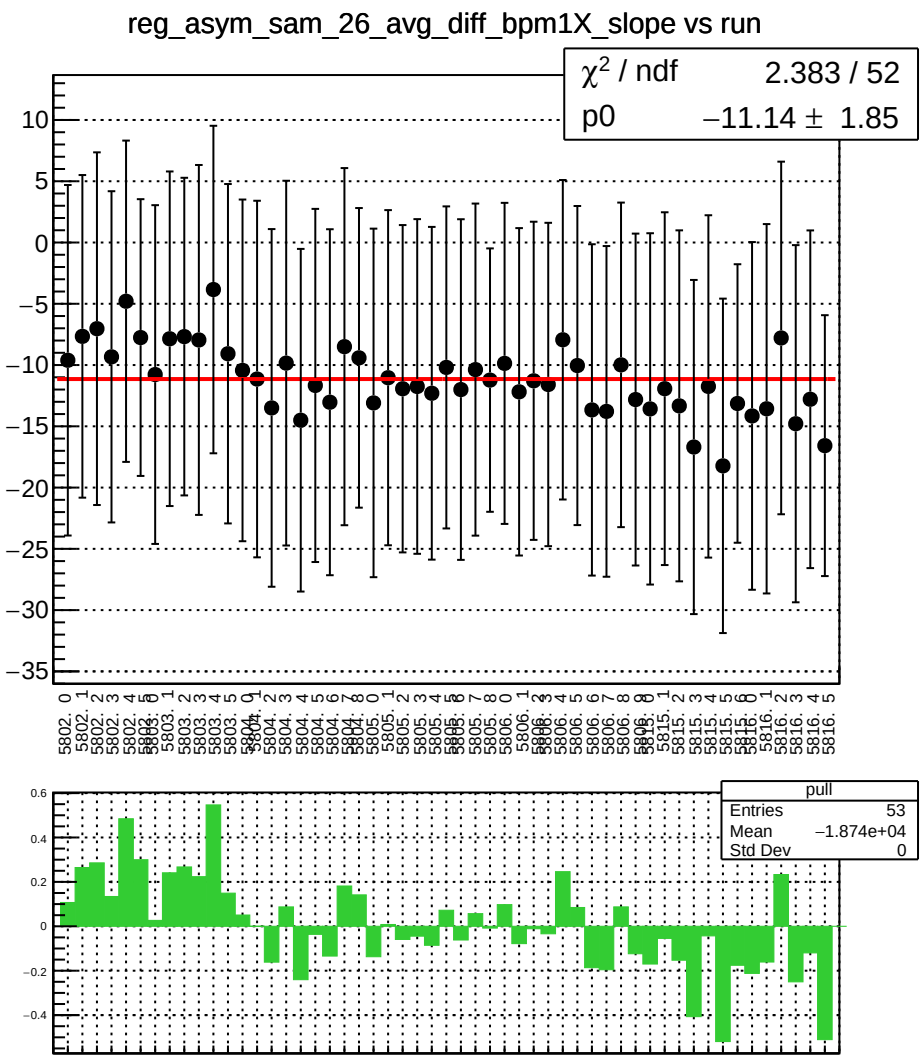

pull1D
Entries 53
Mean −0.007141
Std Dev 0.2188

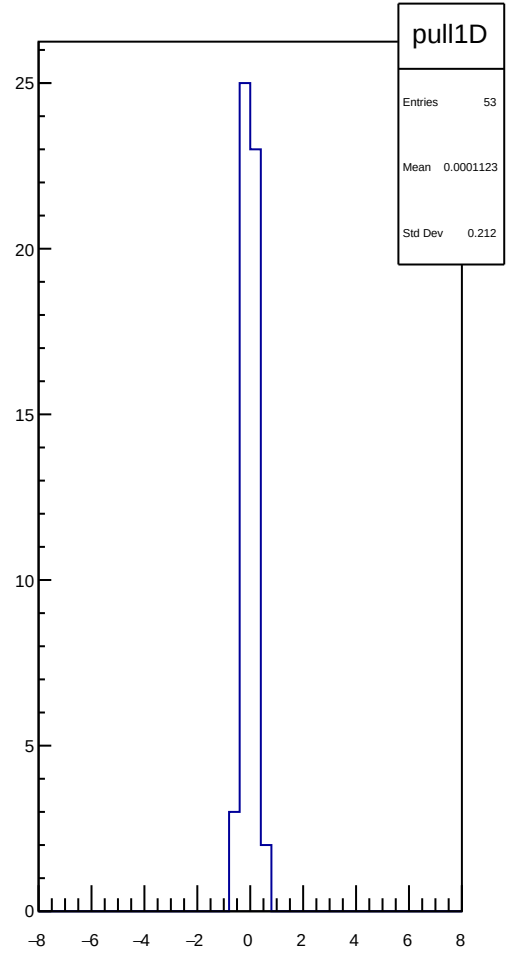

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.29 / 52
p0 16.34 ± 0.853
pull
Entries 53
Mean −457.4
Std Dev 0

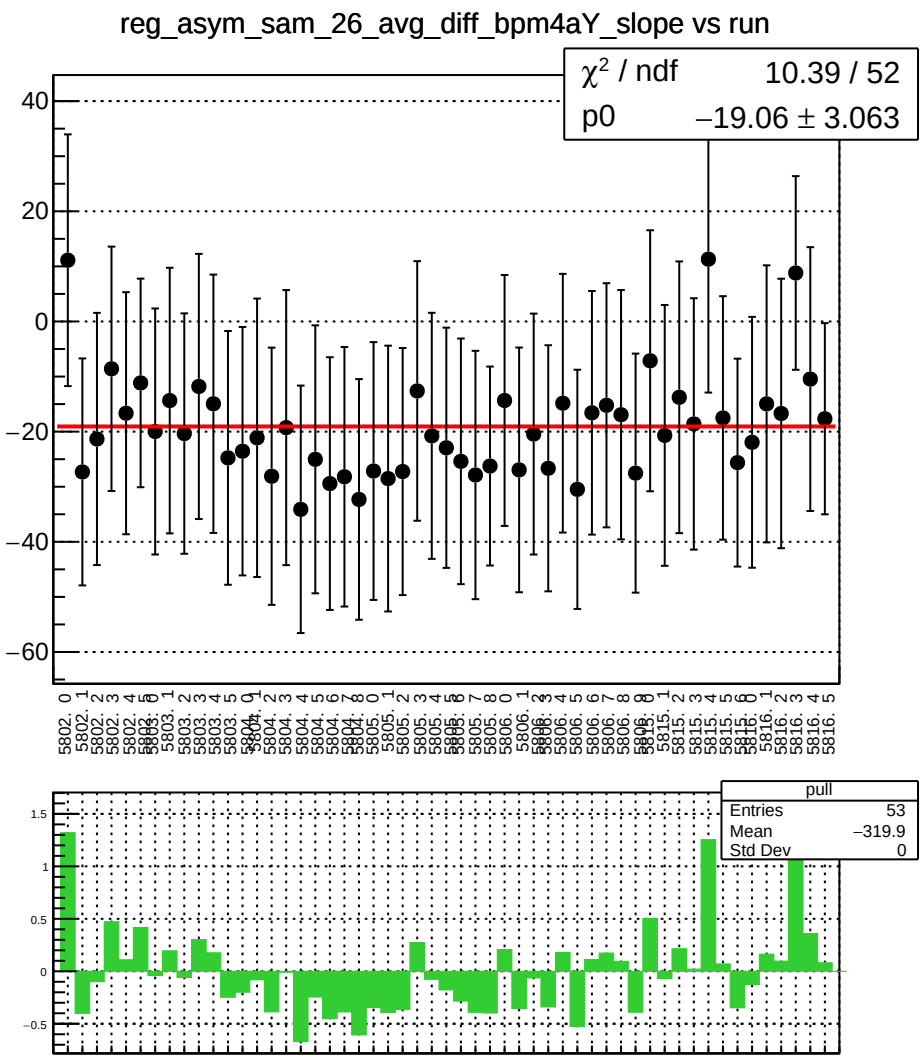

pull1D
Entries 53
Mean 0.009465
Std Dev 0.4404

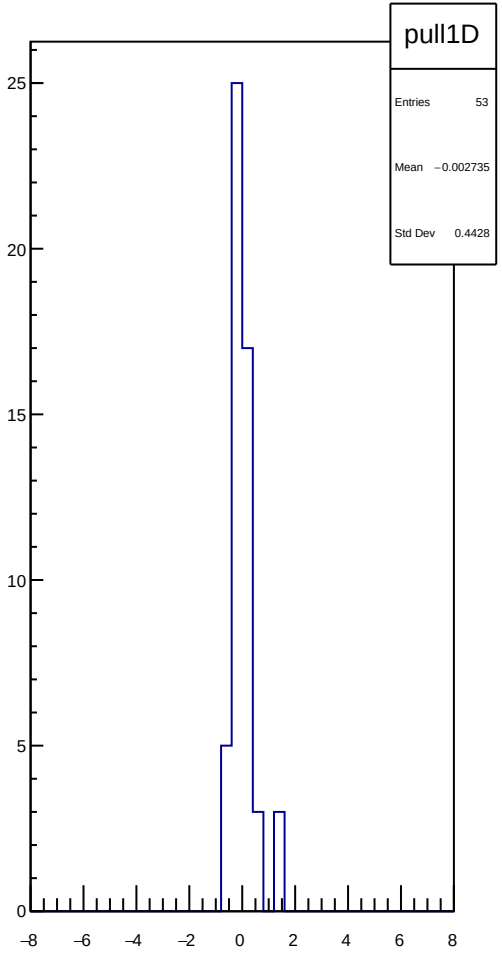

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.608 / 52
p0 −0.4924 ± 0.05408
pull
Entries 53
Mean 70.3
Std Dev 0

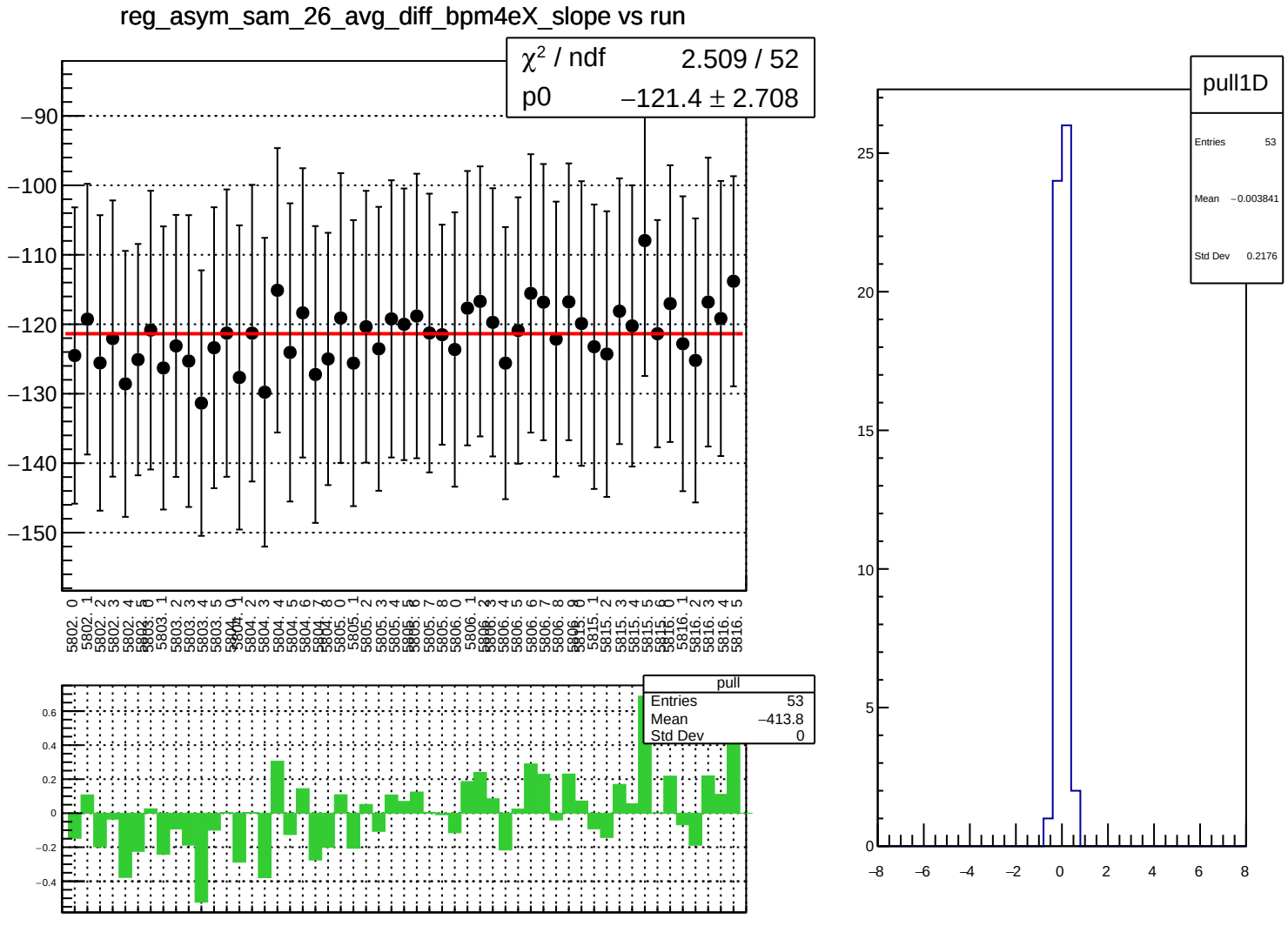

pull1D
Entries 53
Mean −0.003777
Std Dev 0.1742

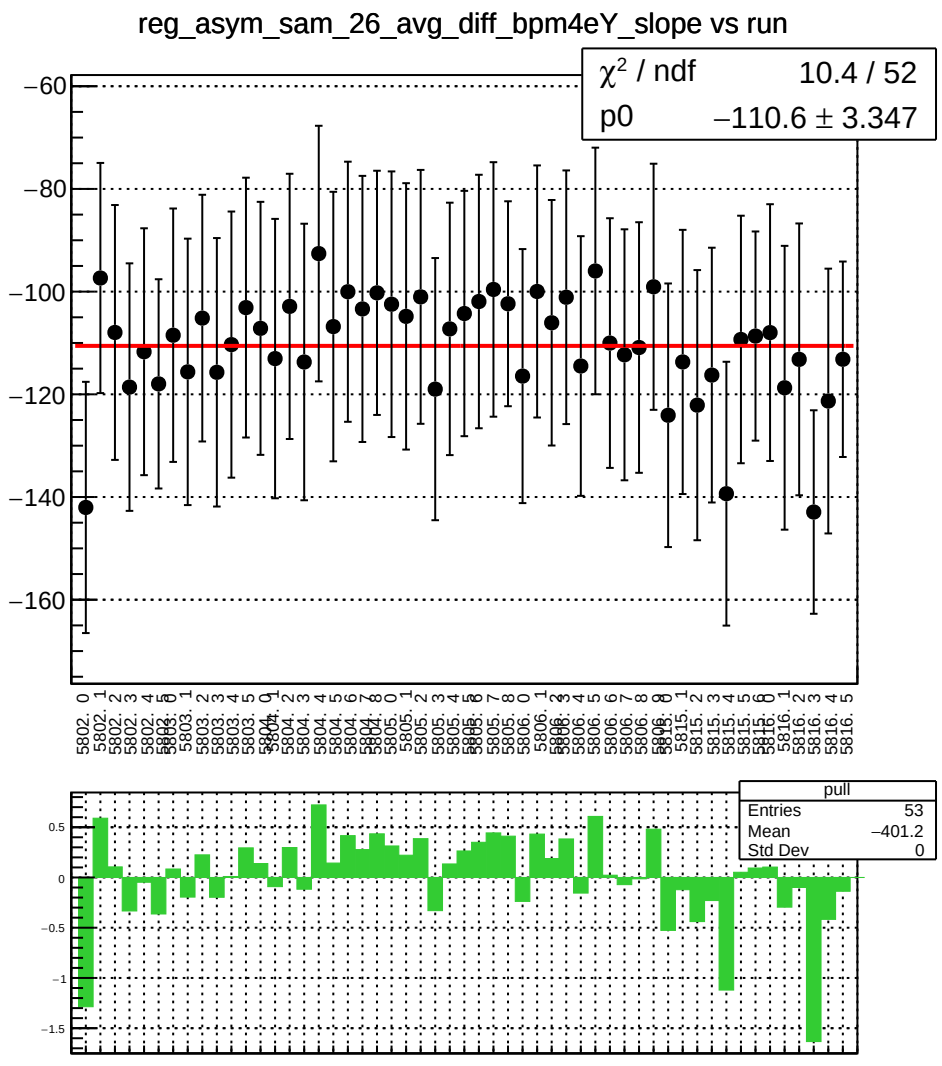

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.383 / 52
p0 −11.14 ± 1.85
pull
Entries 53
Mean −1.874e+04
Std Dev 0

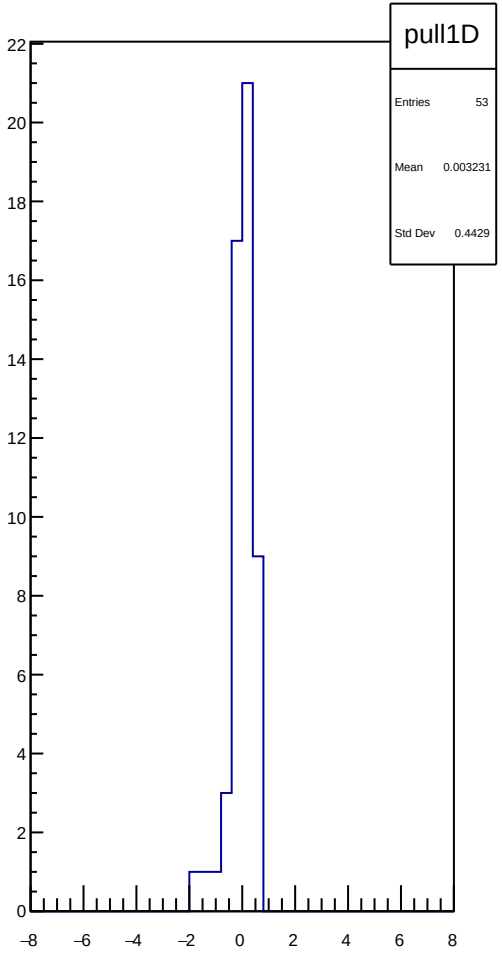

pull1D
Entries 53
Mean 0.0001123
Std Dev 0.212

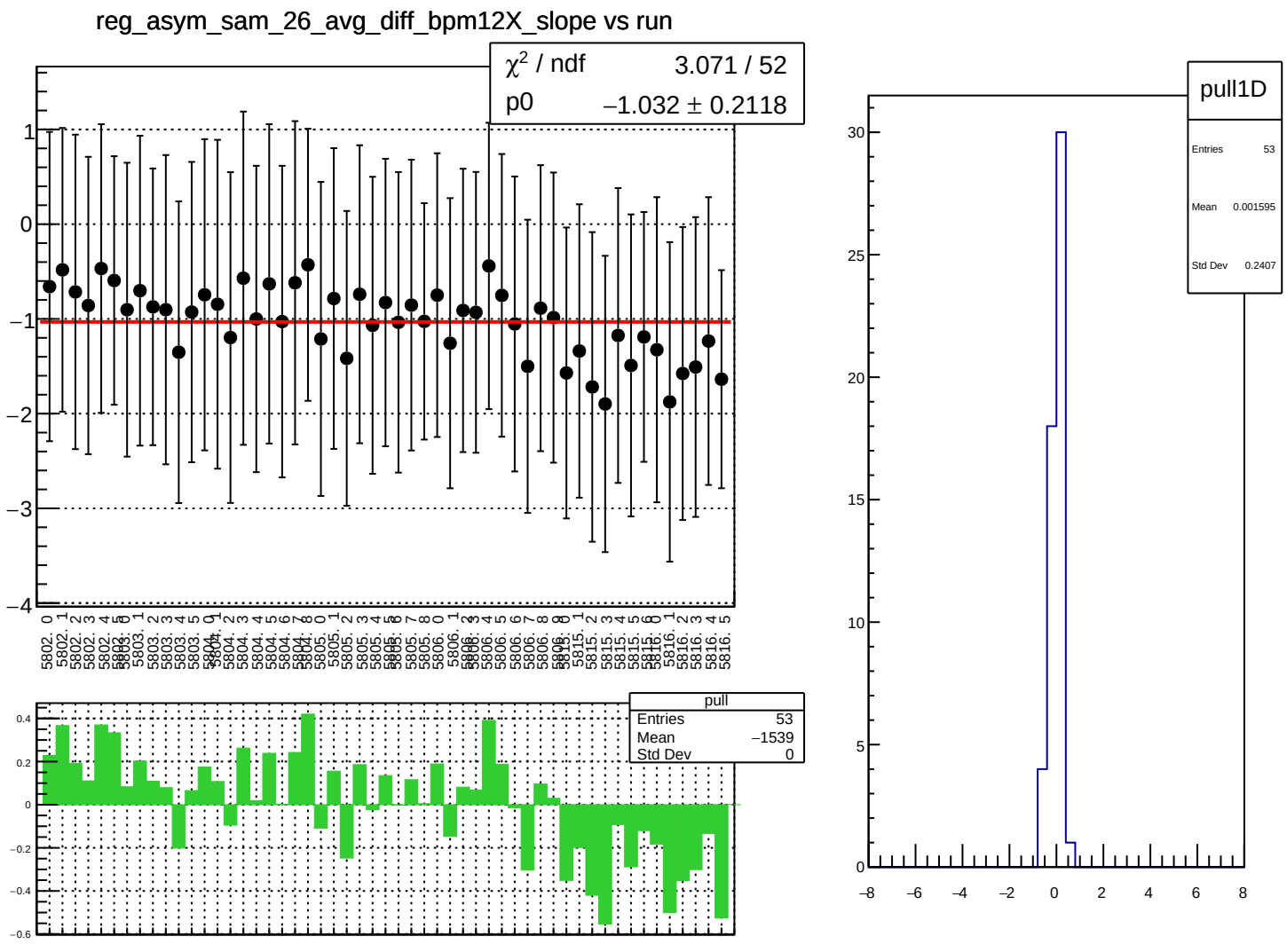

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.39 / 52
p0 −19.06 ± 3.063
pull
Entries 53
Mean −319.9
Std Dev 0

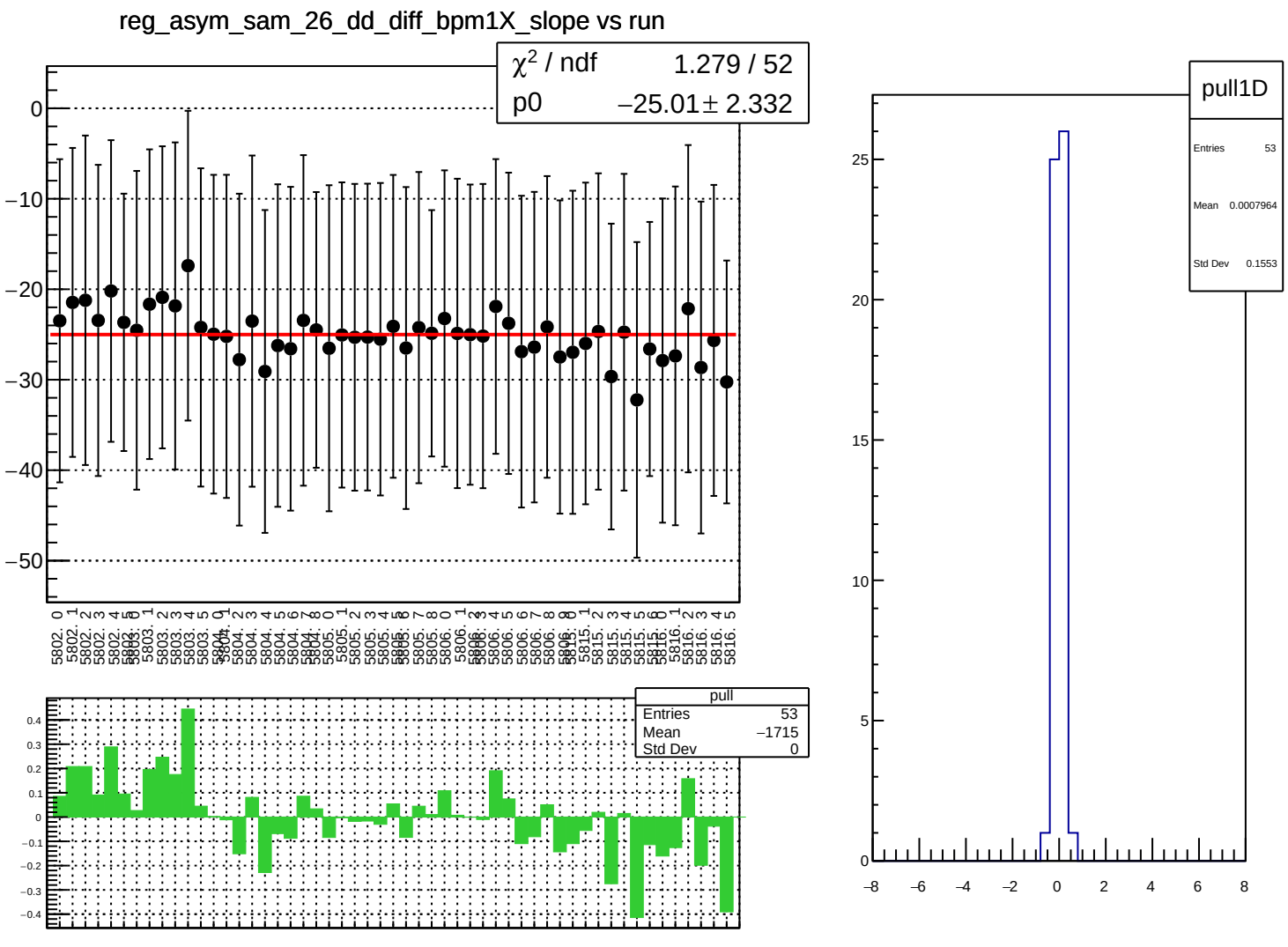

pull1D
Entries 53
Mean −0.002735
Std Dev 0.4428

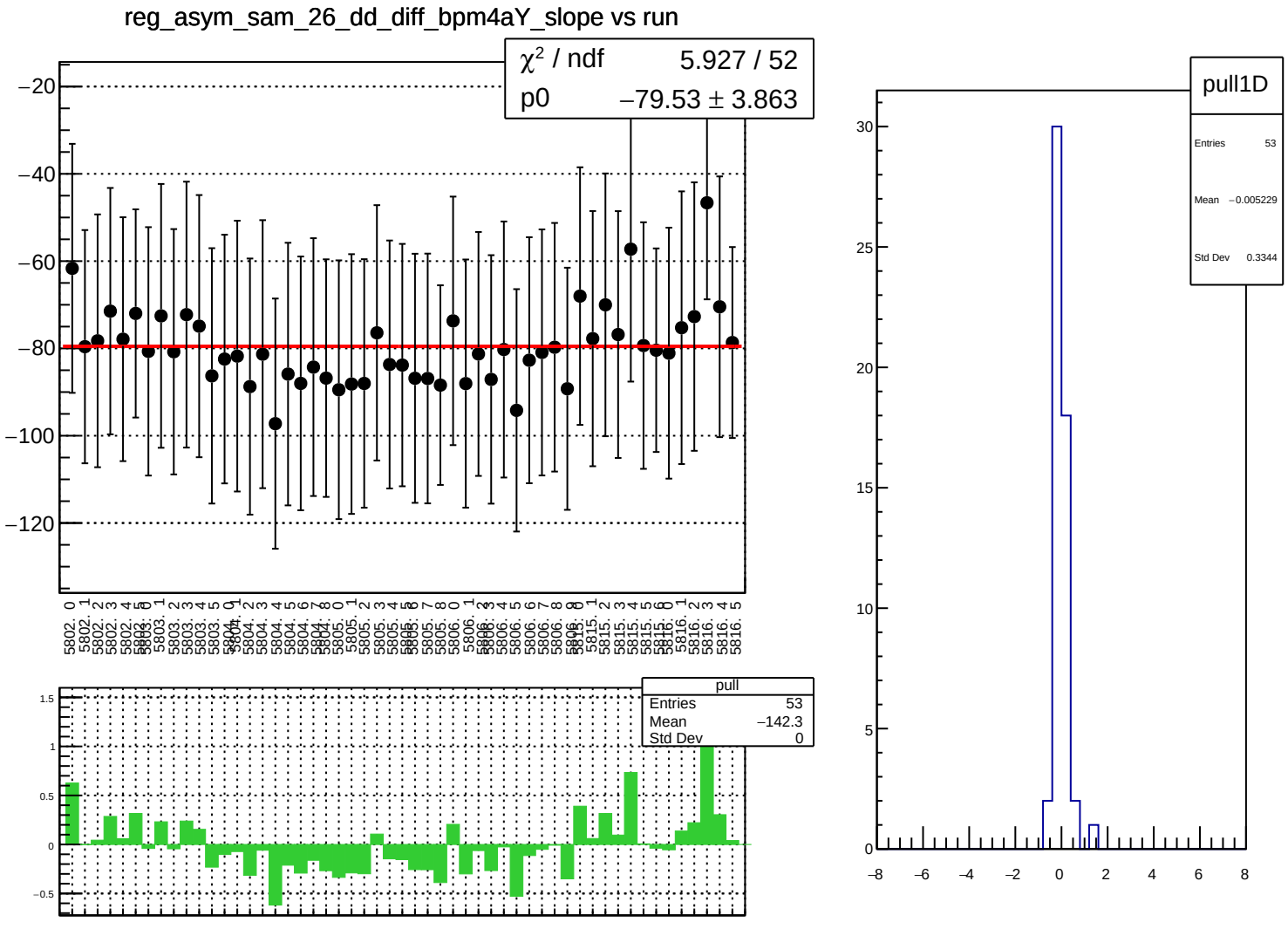

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.509 / 52
p0 −121.4 ± 2.708
pull
Entries 53
Mean −413.8
Std Dev 0
pull1D
Entries 53
Mean −0.003841
Std Dev 0.2176

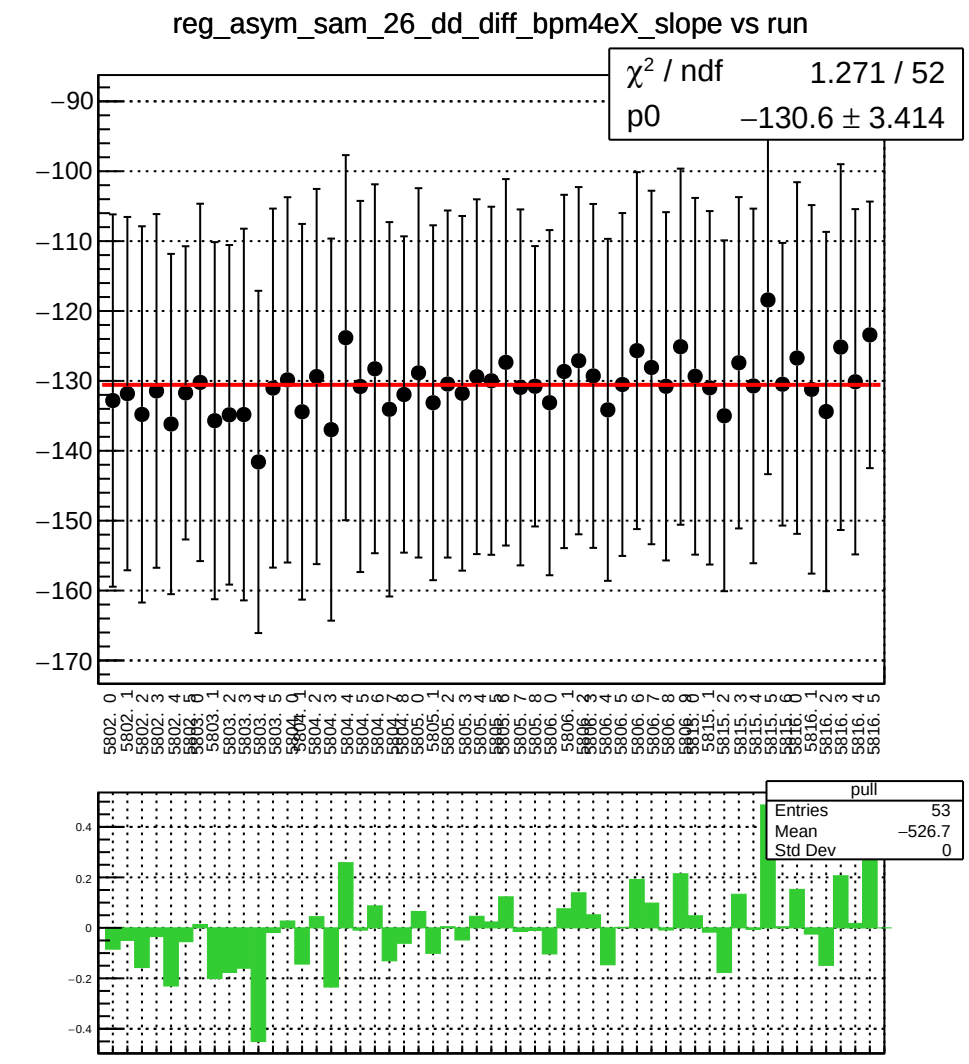

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.4 / 52
p0 −110.6 ± 3.347
pull
Entries 53
Mean −401.2
Std Dev 0

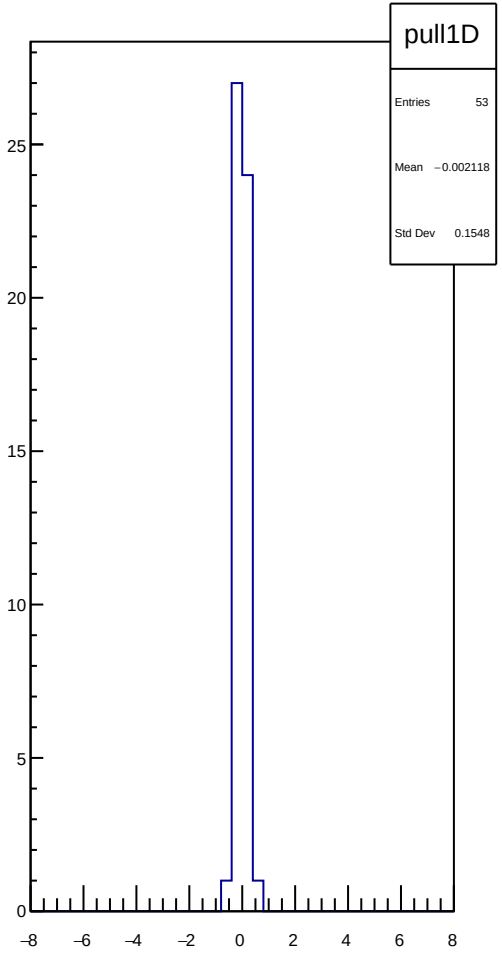

pull1D
Entries 53
Mean 0.003231
Std Dev 0.4429

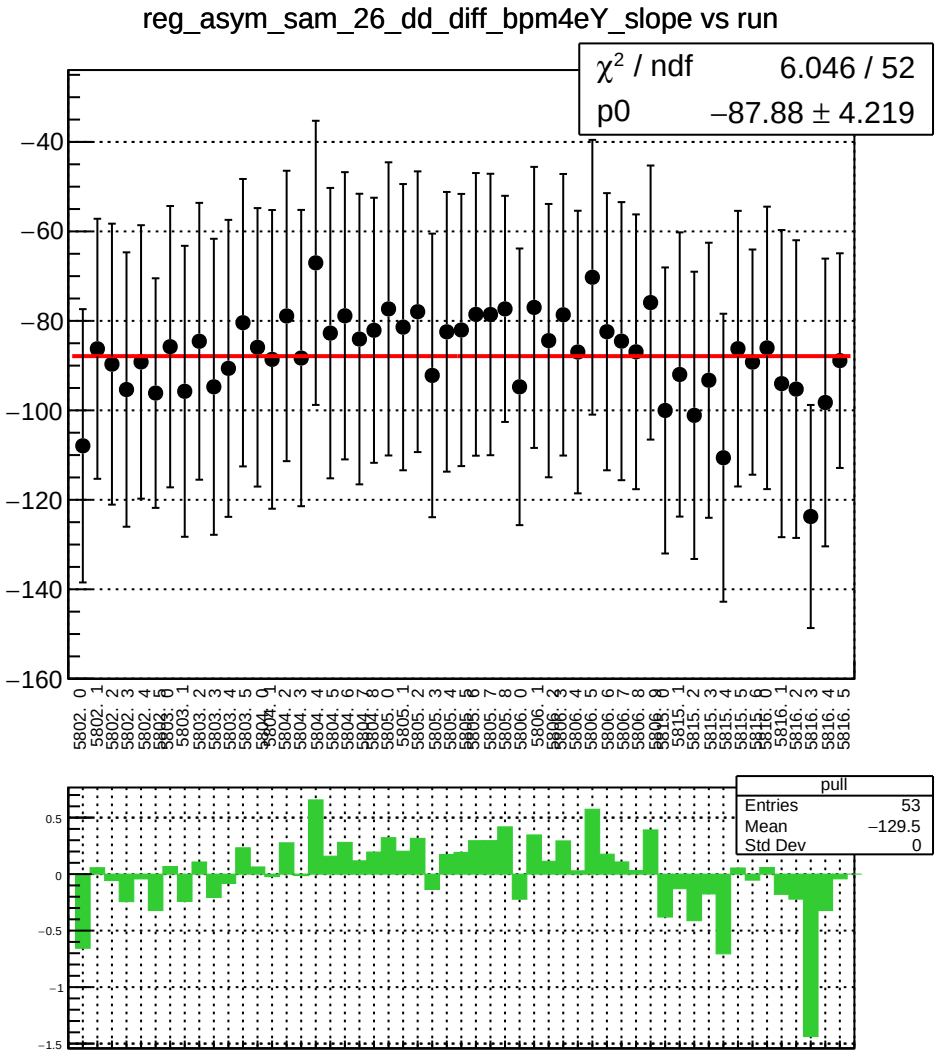

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 3.071 / 52
p0 −1.032 ± 0.2118
pull
Entries 53
Mean −1539
Std Dev 0
pull1D
Entries 53
Mean 0.001595
Std Dev 0.2407

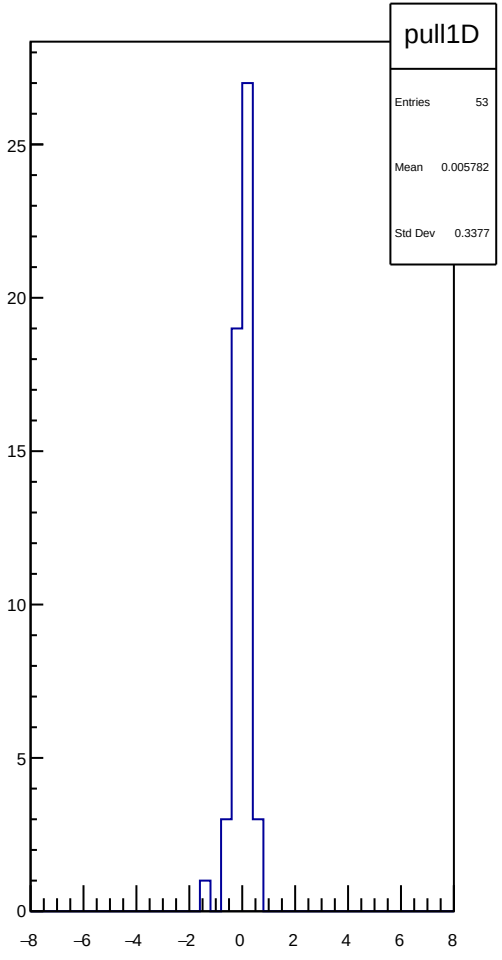

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.279 / 52
p0 −25.01± 2.332
pull
Entries 53
Mean −1715
Std Dev 0
pull1D
Entries 53
Mean 0.0007964
Std Dev 0.1553

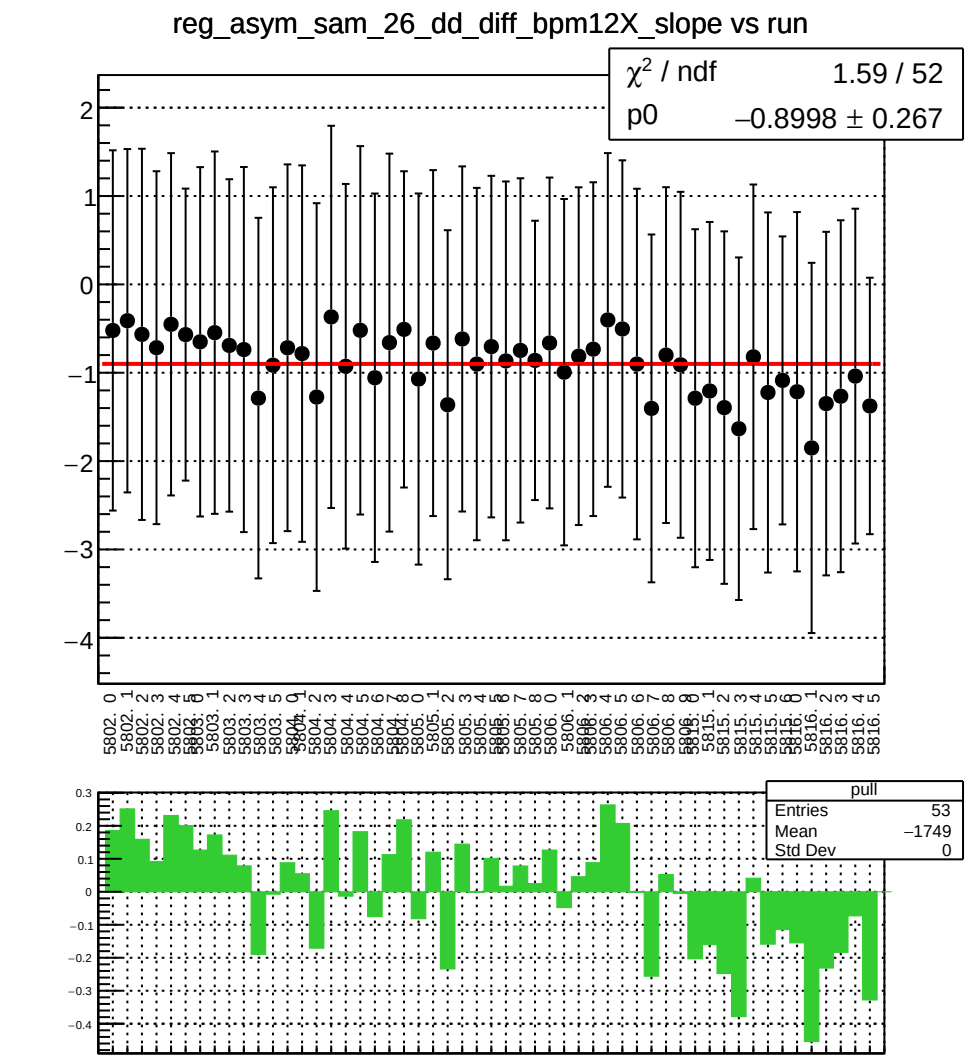

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.927 / 52
p0 −79.53 ± 3.863
pull
Entries 53
Mean −142.3
Std Dev 0
pull1D
Entries 53
Mean −0.005229
Std Dev 0.3344

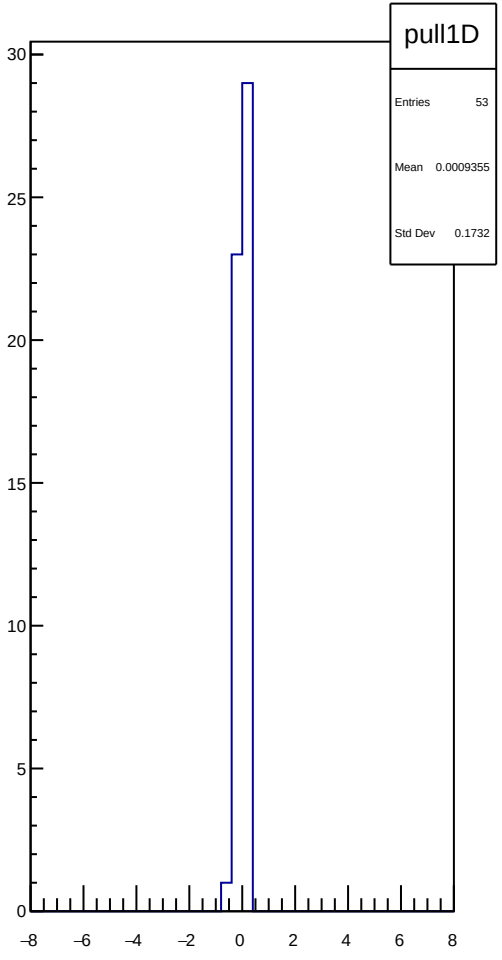

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.271 / 52
p0 −130.6 ± 3.414
pull
Entries 53
Mean −526.7
Std Dev 0

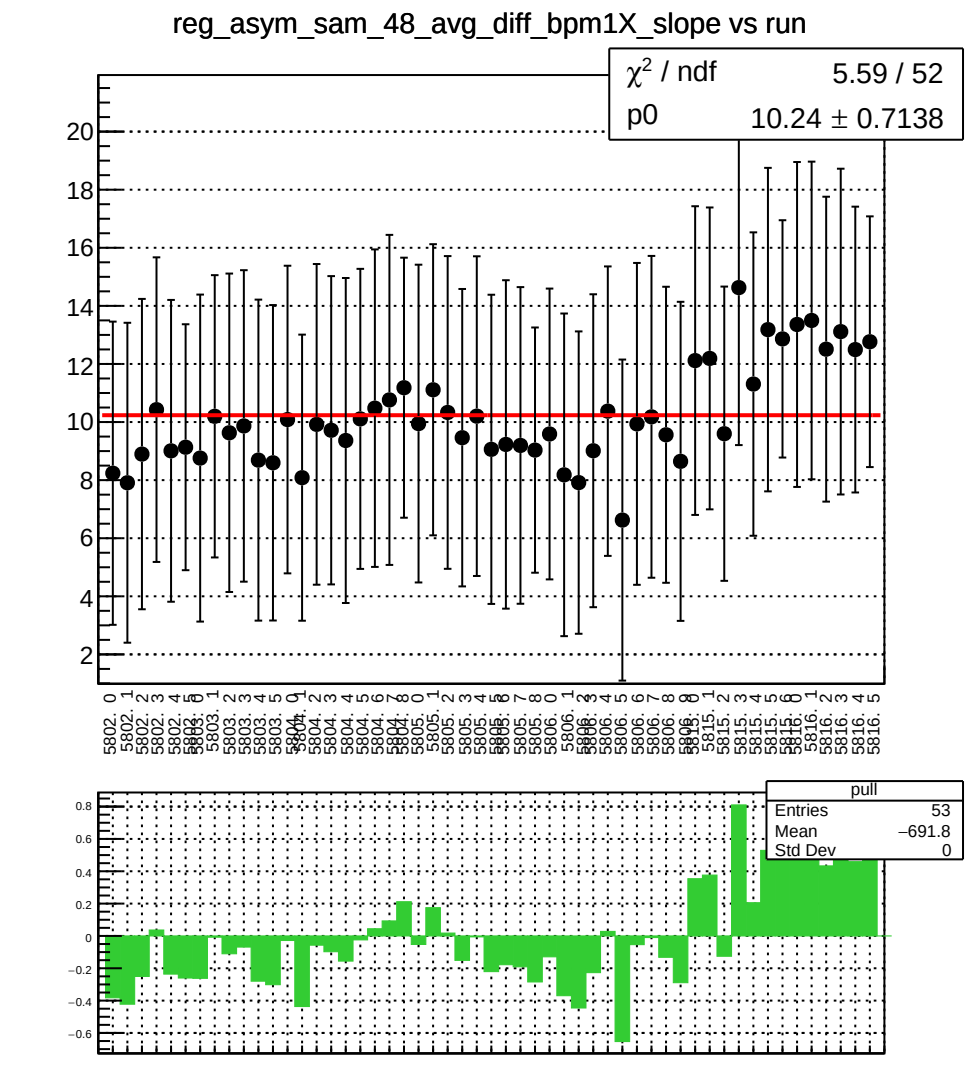

pull1D
Entries 53
Mean −0.002118
Std Dev 0.1548

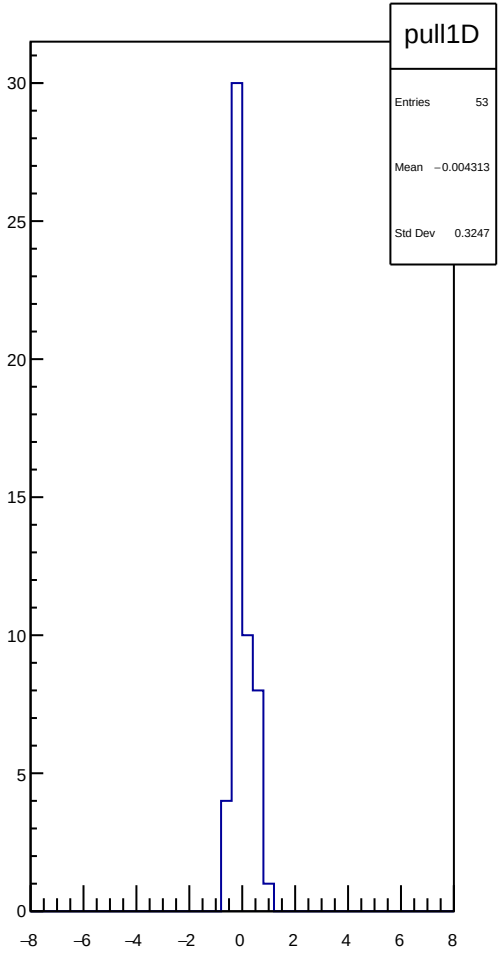

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.046 / 52
p0 −87.88 ± 4.219
pull
Entries 53
Mean −129.5
Std Dev 0

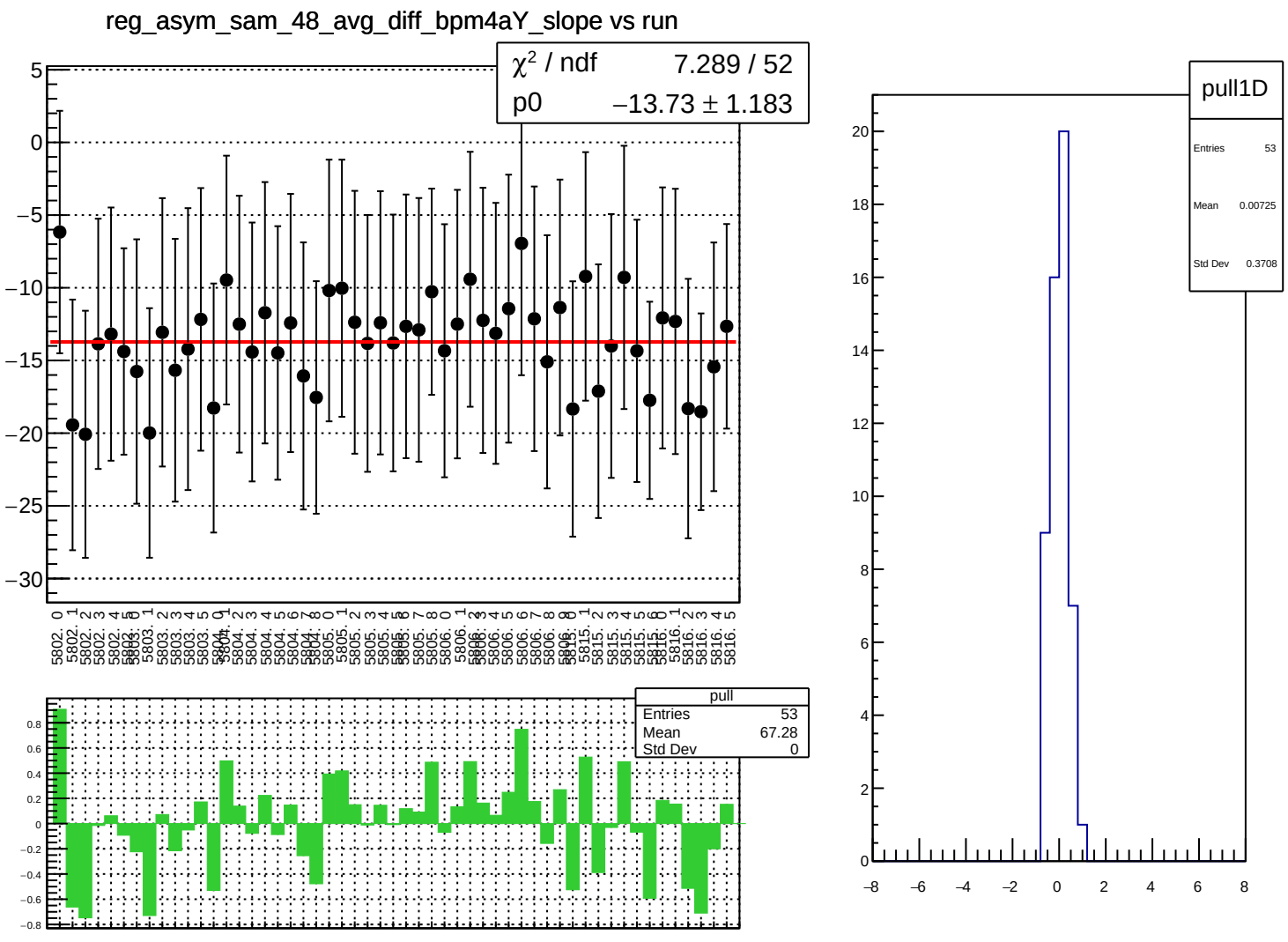

pull1D
Entries 53
Mean 0.005782
Std Dev 0.3377

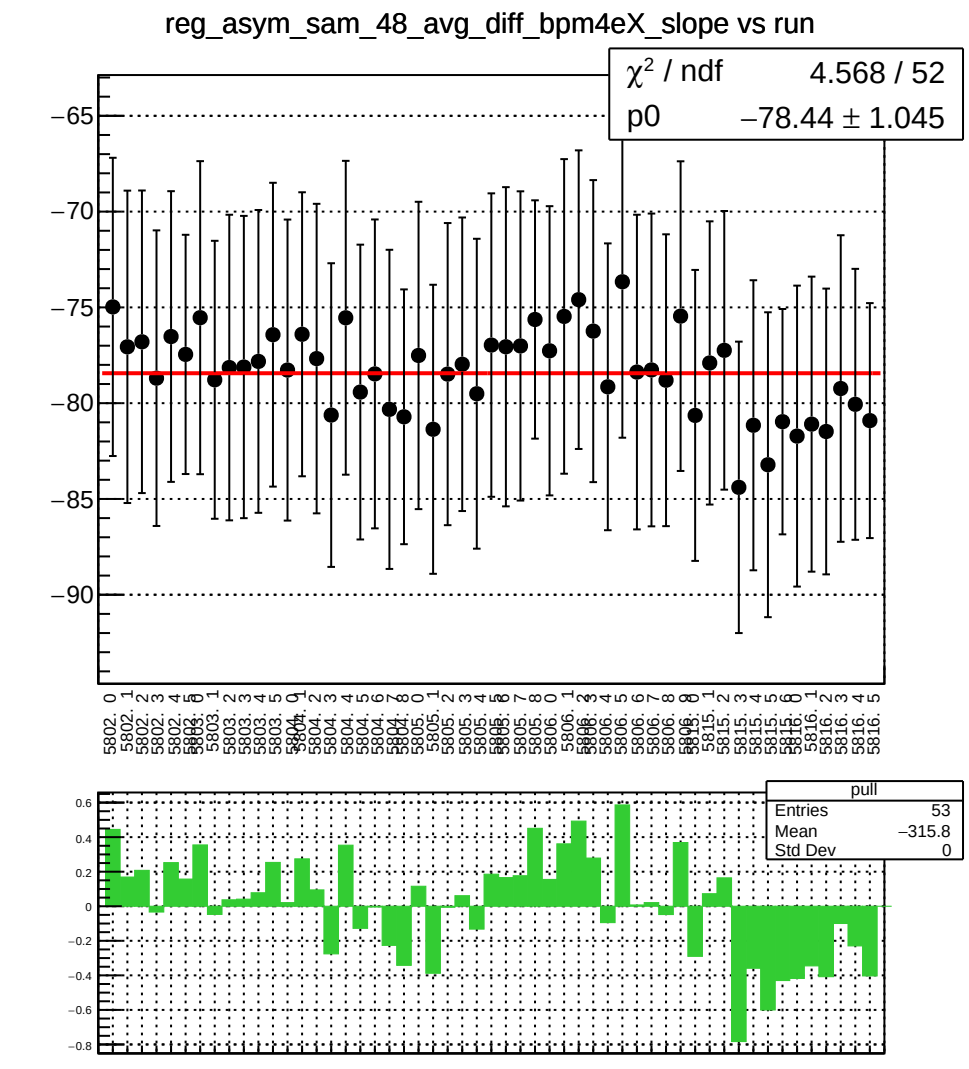

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.59 / 52
p0 −0.8998 ± 0.267
pull
Entries 53
Mean −1749
Std Dev 0

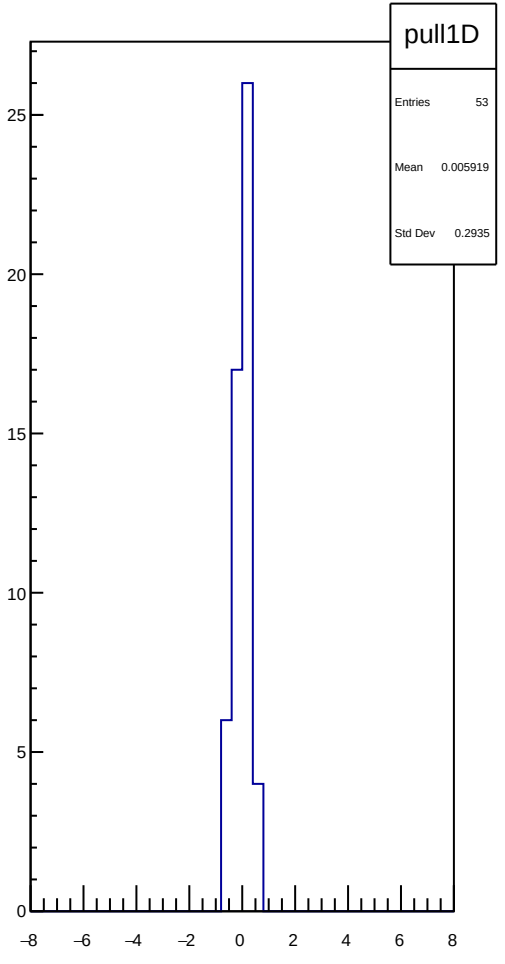

pull1D
Entries 53
Mean 0.0009355
Std Dev 0.1732

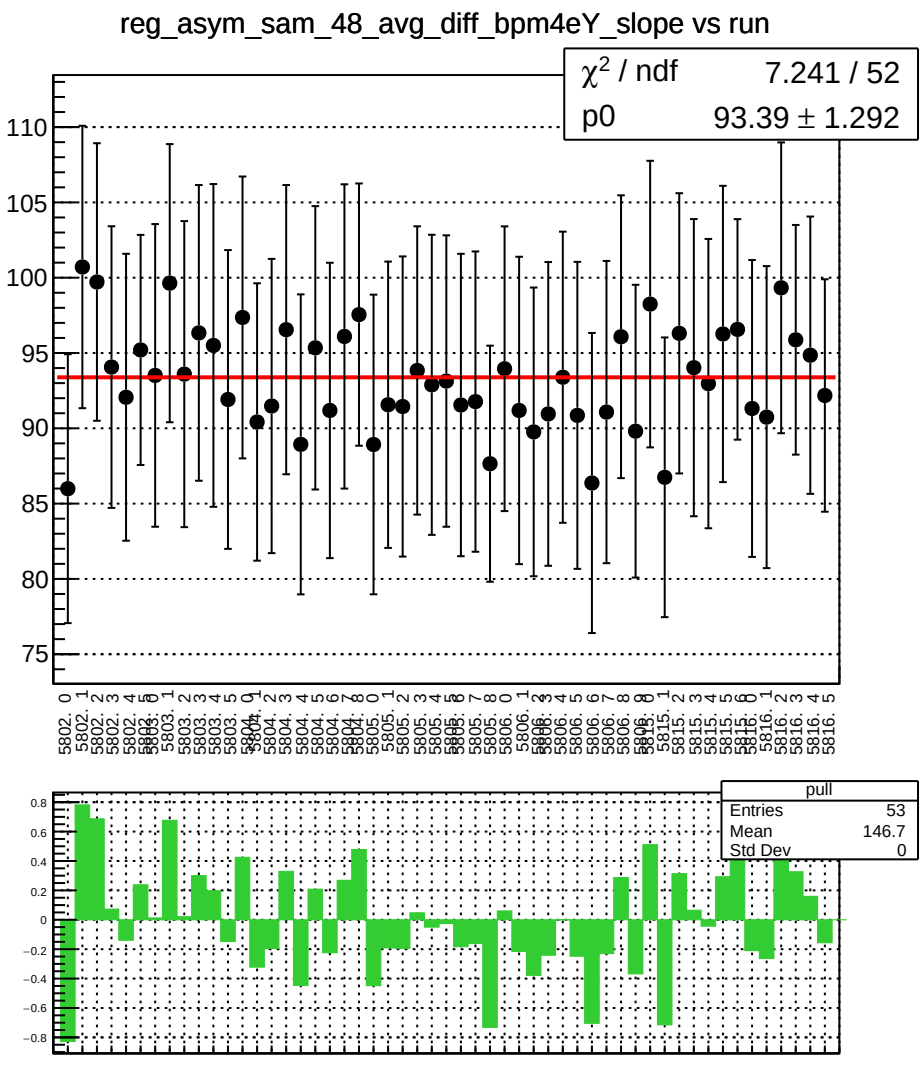

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.59 / 52
p0 10.24 ± 0.7138
pull
Entries 53
Mean −691.8
Std Dev 0

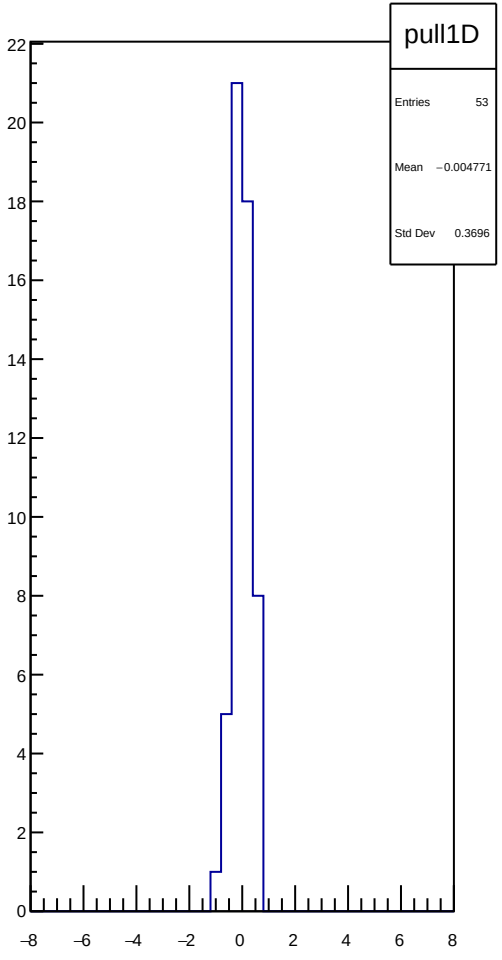

pull1D
Entries 53
Mean −0.004313
Std Dev 0.3247

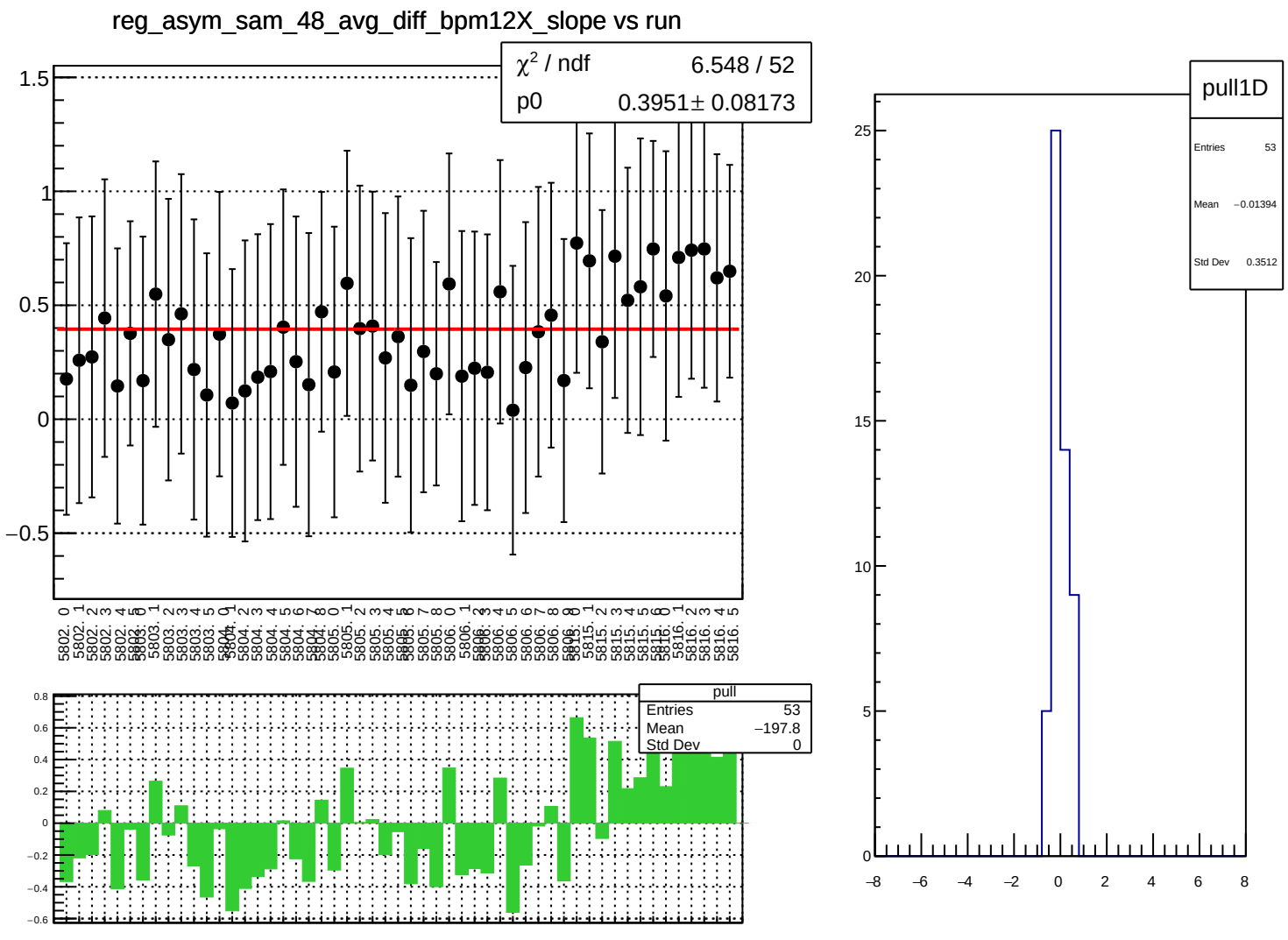

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.289 / 52
p0 −13.73 ± 1.183
pull
Entries 53
Mean 67.28
Std Dev 0
pull1D
Entries 53
Mean 0.00725
Std Dev 0.3708

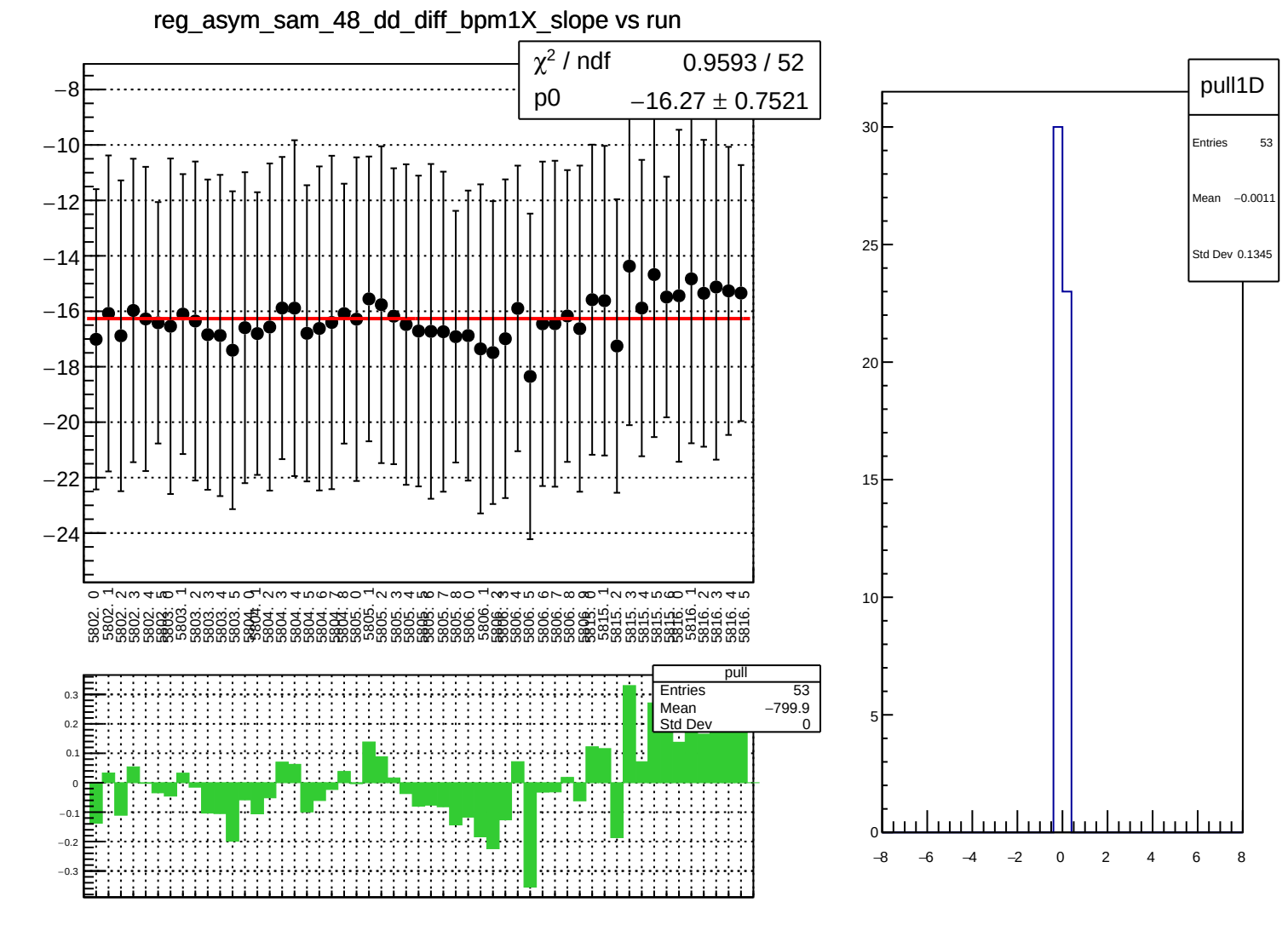

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.568 / 52
p0 −78.44 ± 1.045
pull
Entries 53
Mean −315.8
Std Dev 0

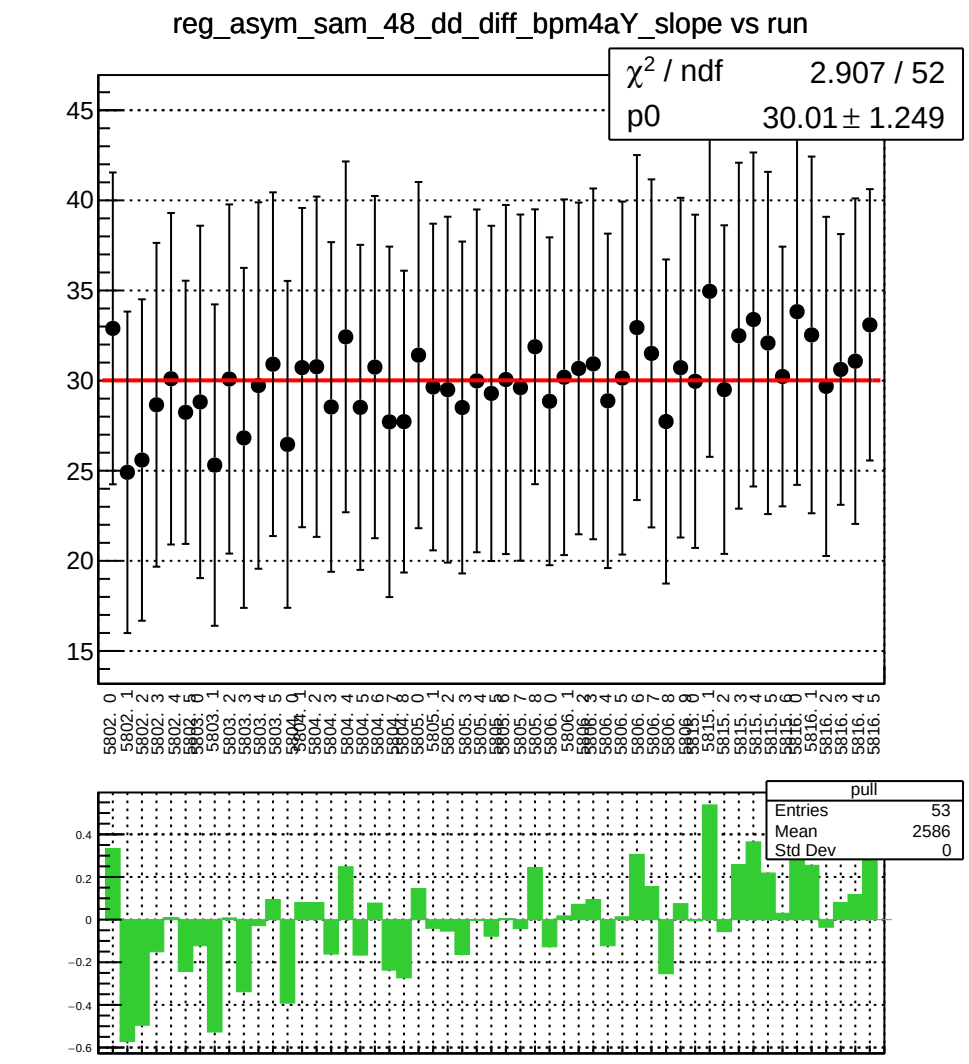

pull1D
Entries 53
Mean 0.005919
Std Dev 0.2935

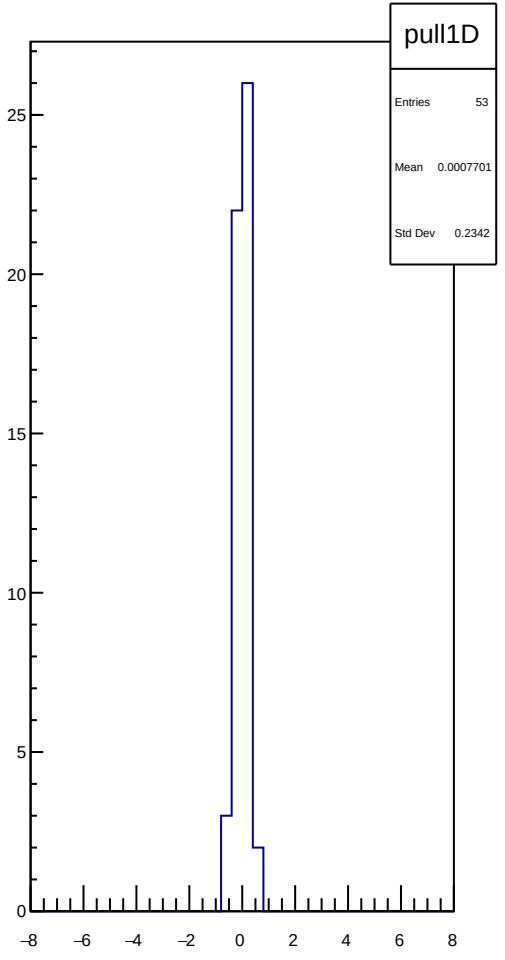

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.241 / 52
p0 93.39 ± 1.292
pull
Entries 53
Mean 146.7
Std Dev 0

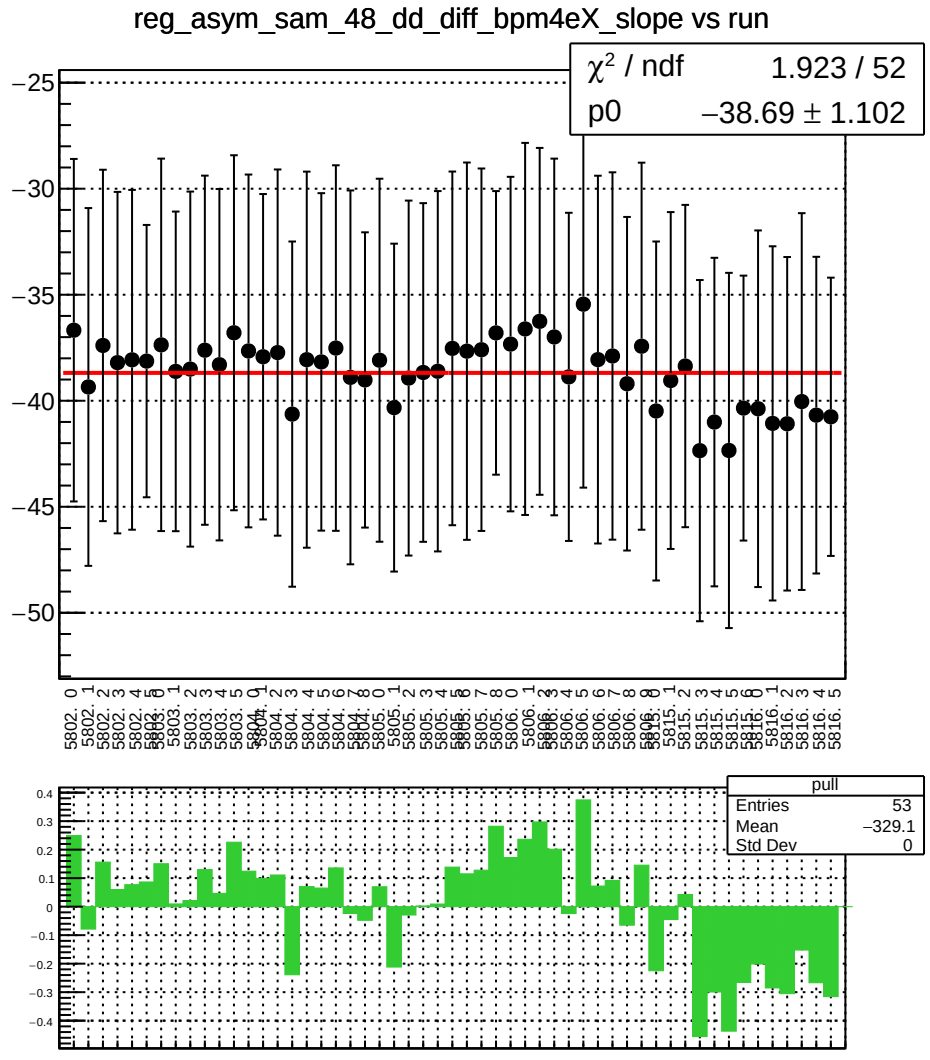

pull1D
Entries 53
Mean −0.004771
Std Dev 0.3696

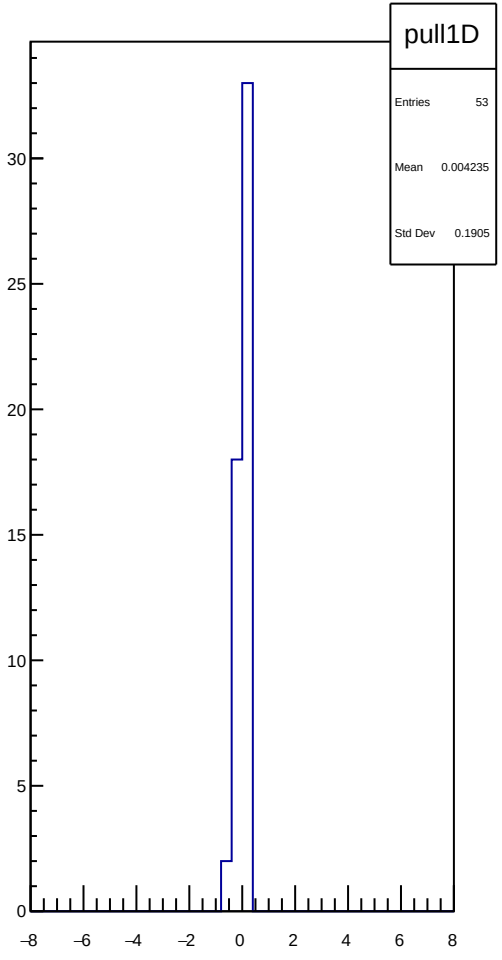

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 6.548 / 52
p0 0.3951± 0.08173
pull
Entries 53
Mean −197.8
Std Dev 0
pull1D
Entries 53
Mean −0.01394
Std Dev 0.3512

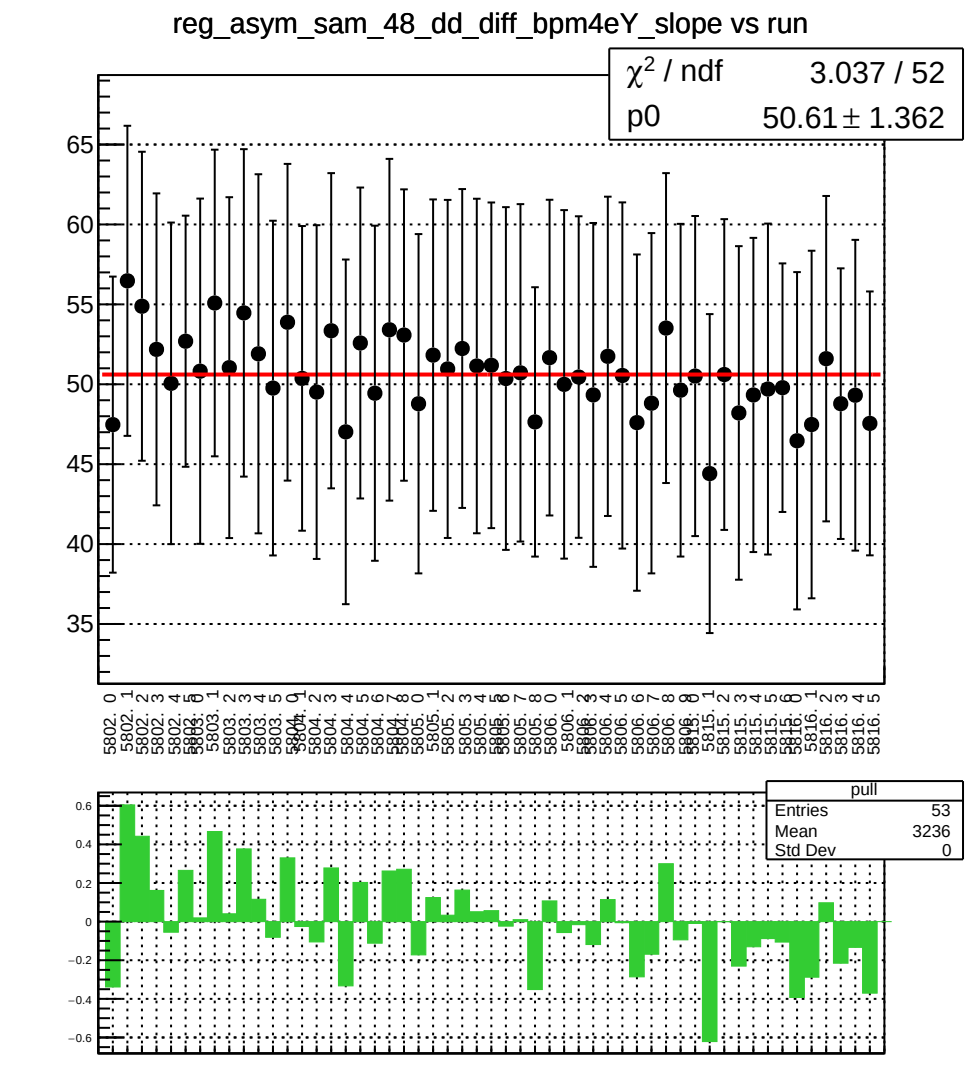

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9593 / 52
p0 −16.27 ± 0.7521
pull
Entries 53
Mean −799.9
Std Dev 0
pull1D
Entries 53
Mean −0.0011
Std Dev 0.1345

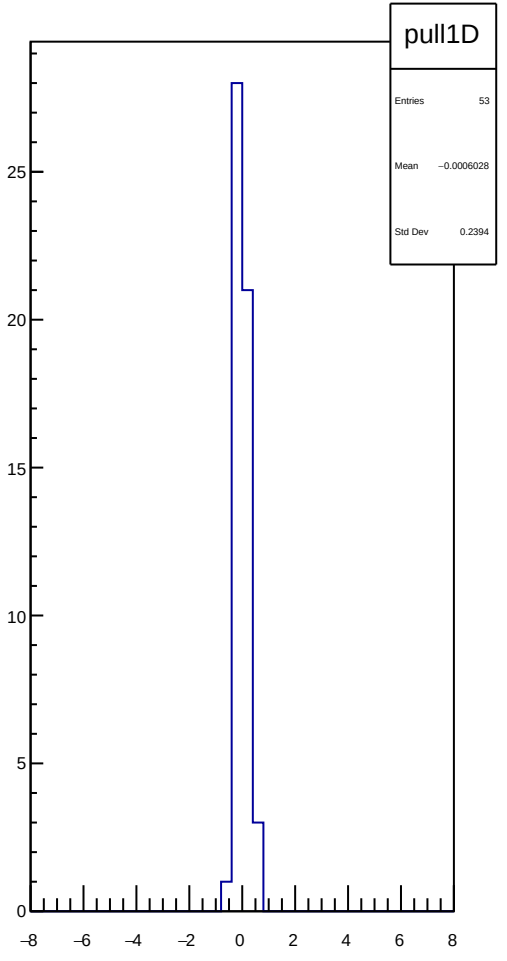

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.907 / 52
p0 30.01 ± 1.249
pull
Entries 53
Mean 2586
Std Dev 0

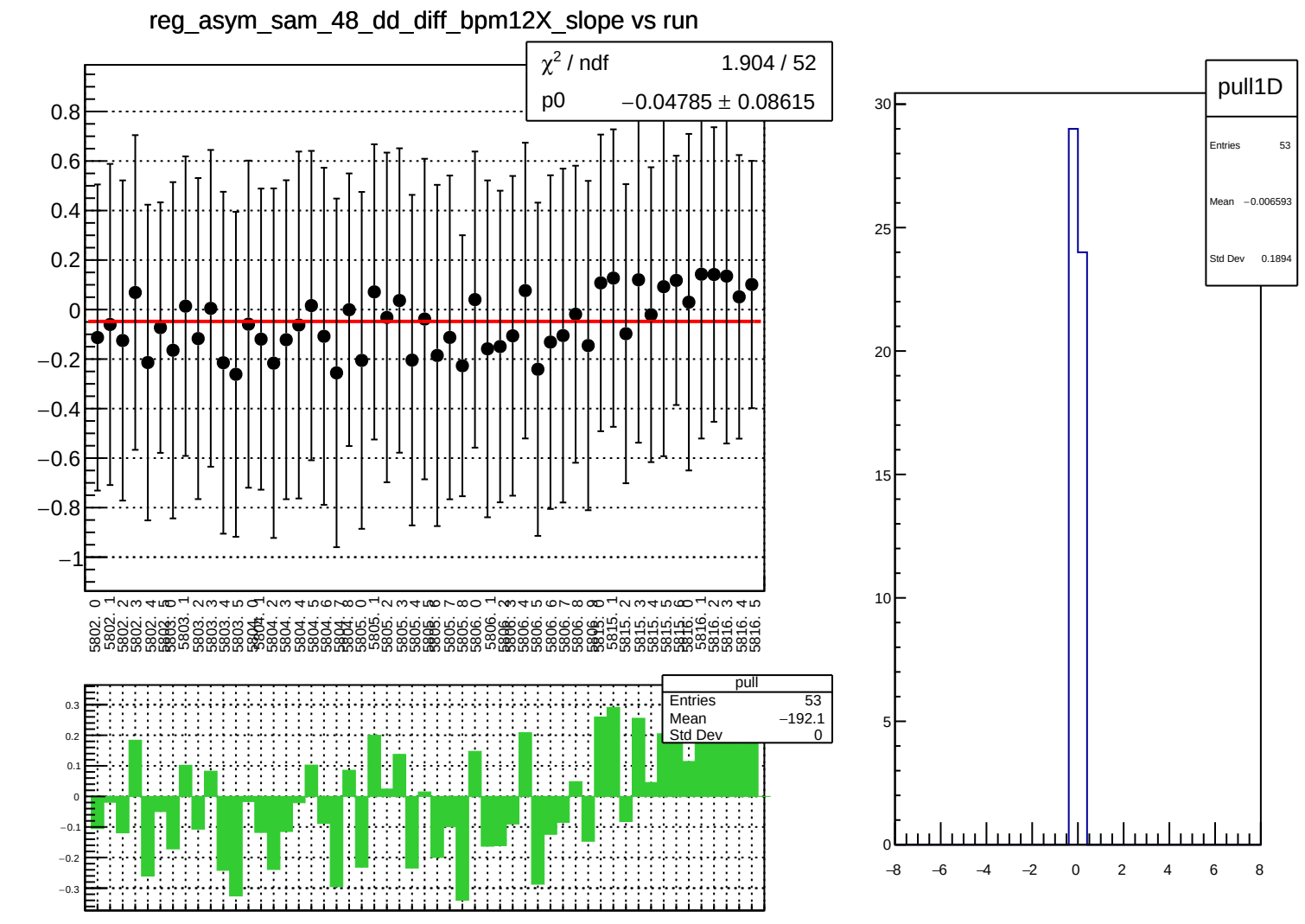

pull1D
Entries 53
Mean 0.0007701
Std Dev 0.2342

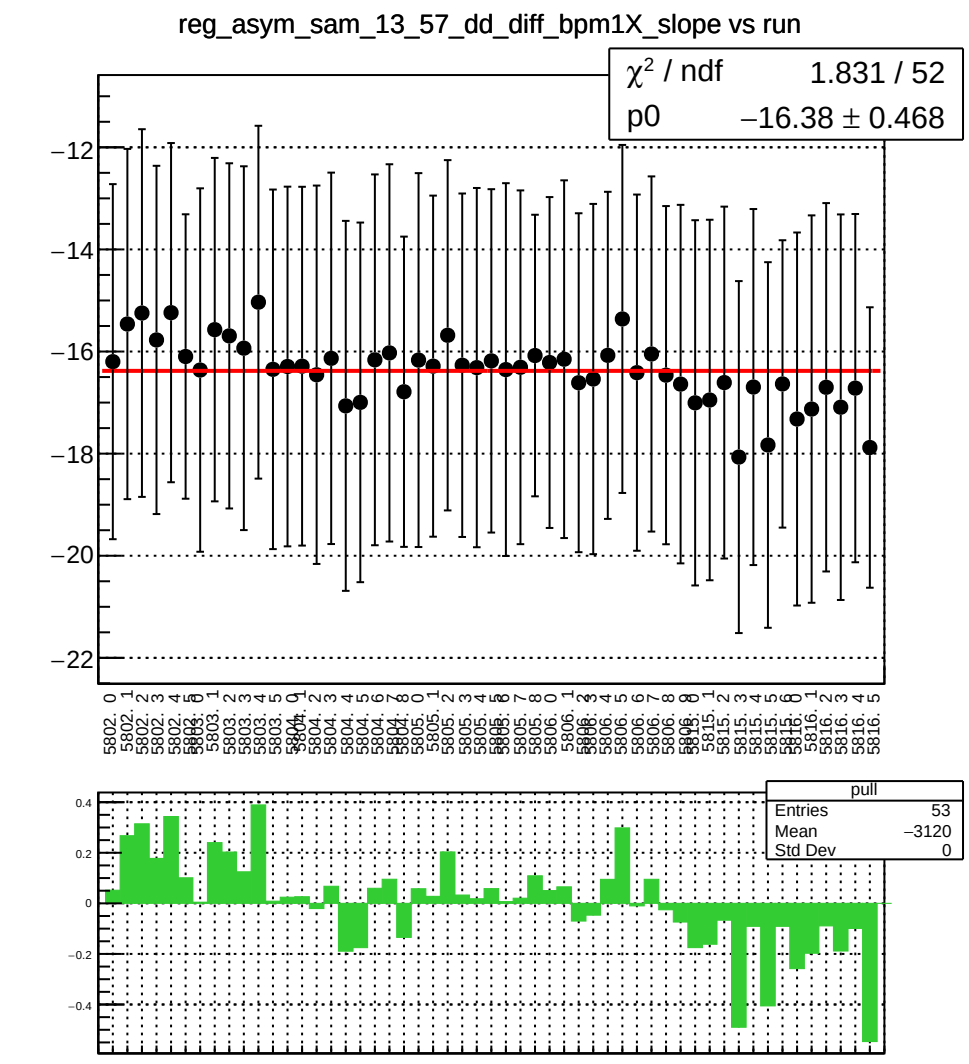

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.923 / 52
p0 −38.69 ± 1.102
pull
Entries 53
Mean −329.1
Std Dev 0

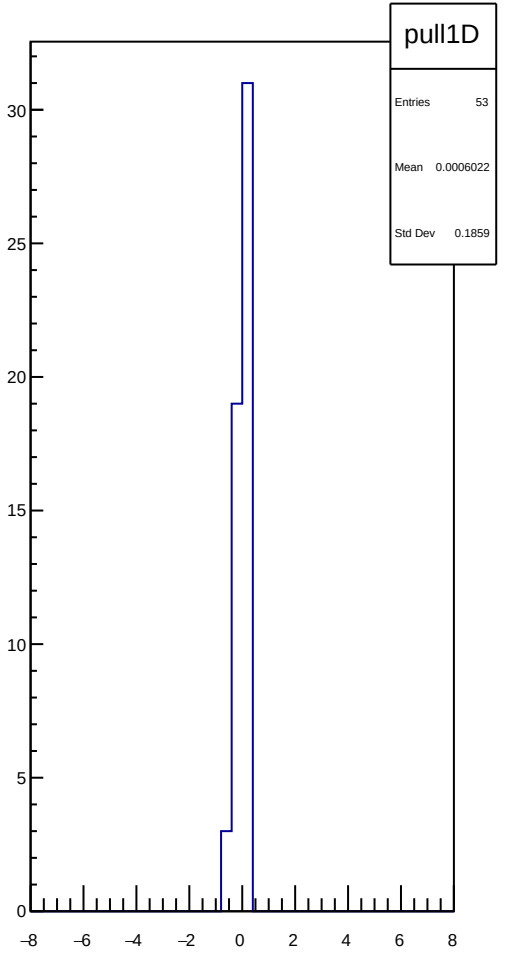

pull1D
Entries 53
Mean 0.004235
Std Dev 0.1905

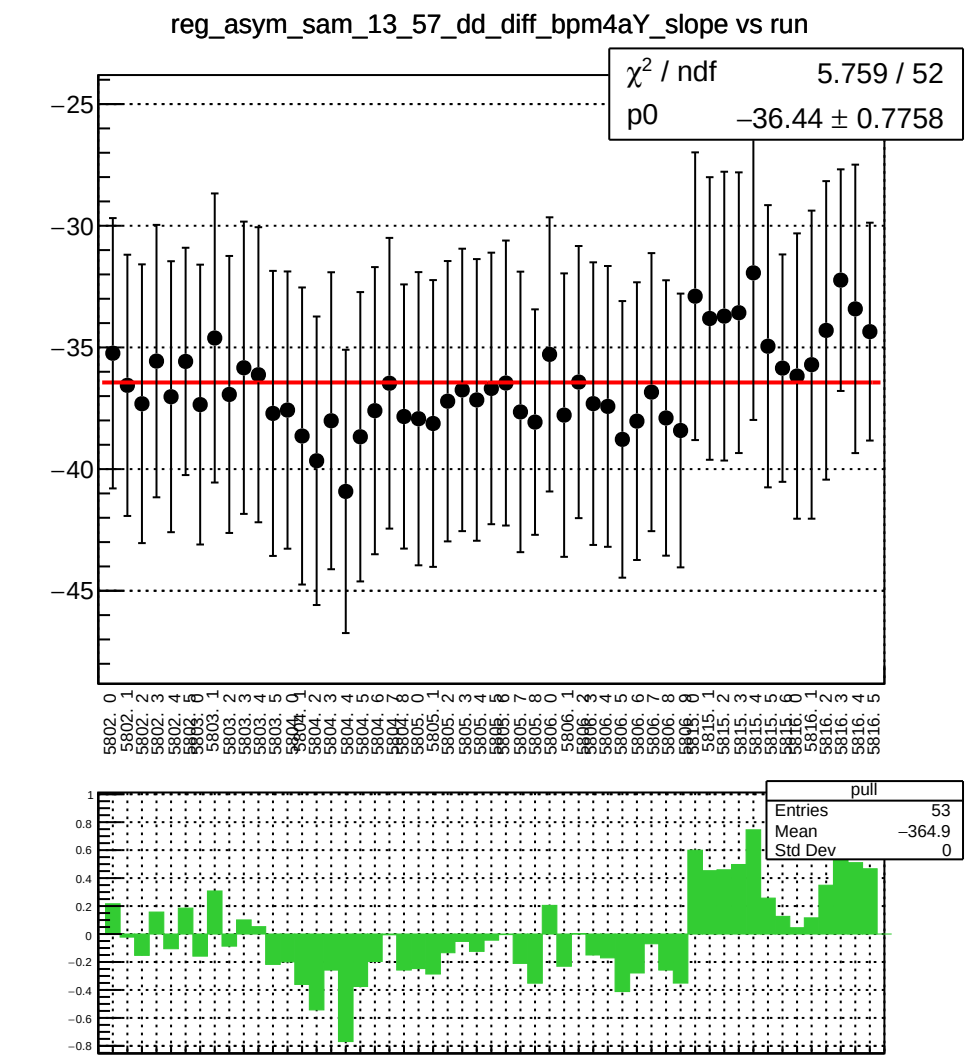

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.037 / 52
p0 50.61 ± 1.362
pull
Entries 53
Mean 3236
Std Dev 0

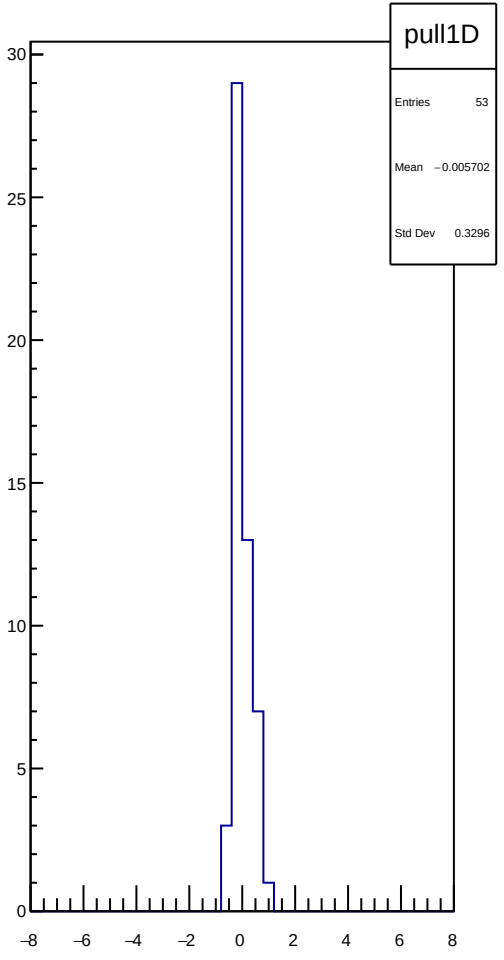

pull1D
Entries 53
Mean −0.0006028
Std Dev 0.2394

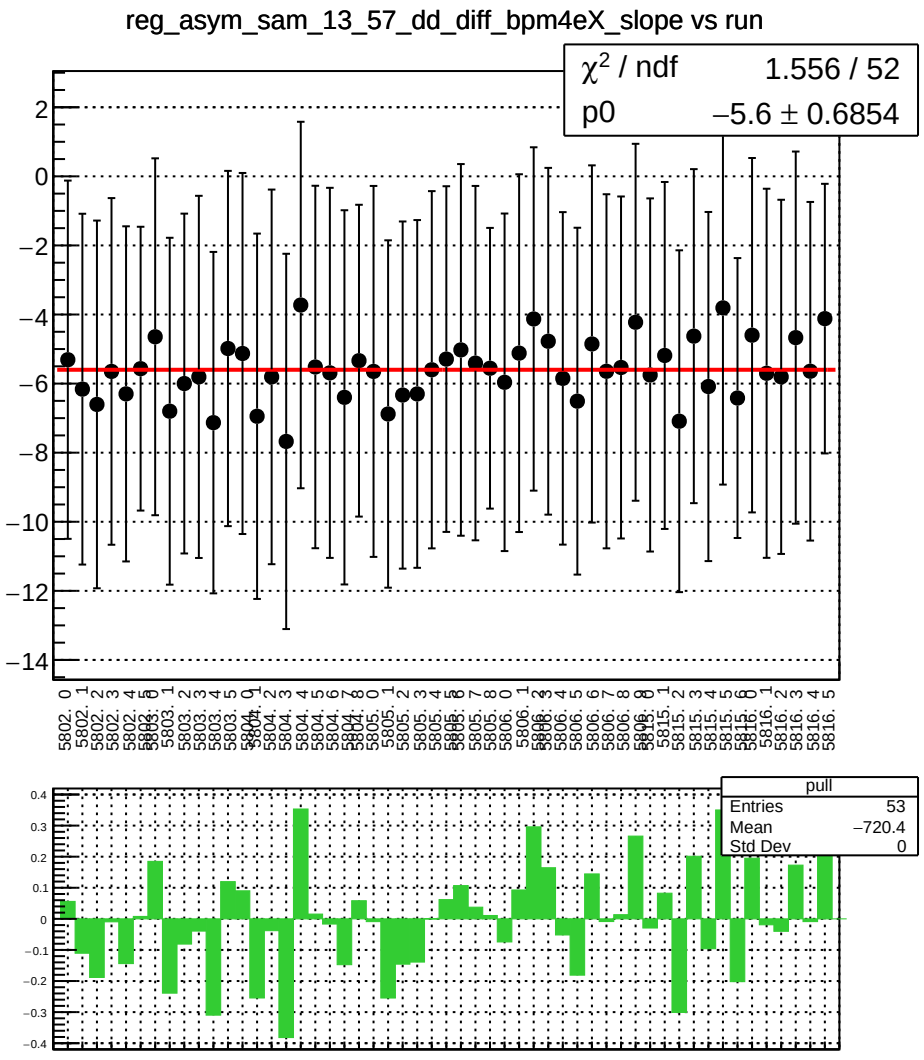

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.904 / 52
p0 −0.04785 ± 0.08615
pull
Entries 53
Mean −192.1
Std Dev 0
pull1D
Entries 53
Mean −0.006593
Std Dev 0.1894

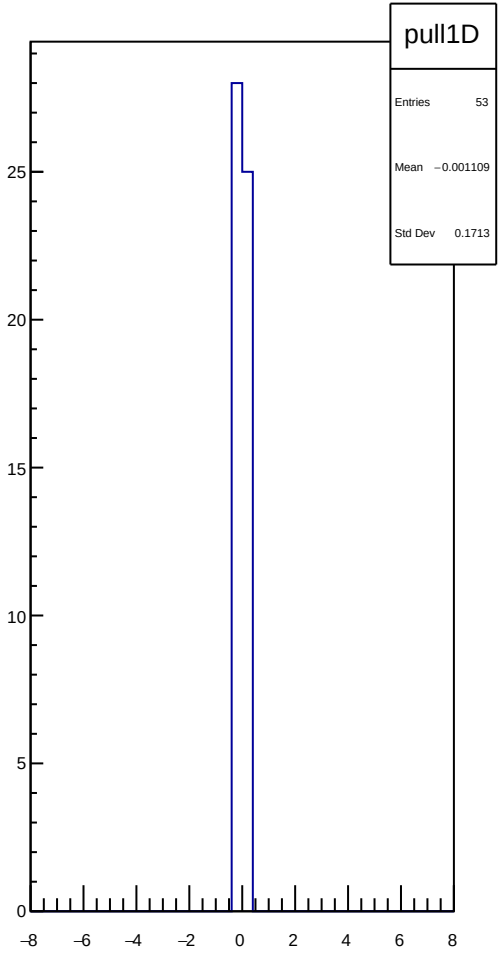

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 1.831 / 52
p0 −16.38 ± 0.468
pull
Entries 53
Mean −3120
Std Dev 0

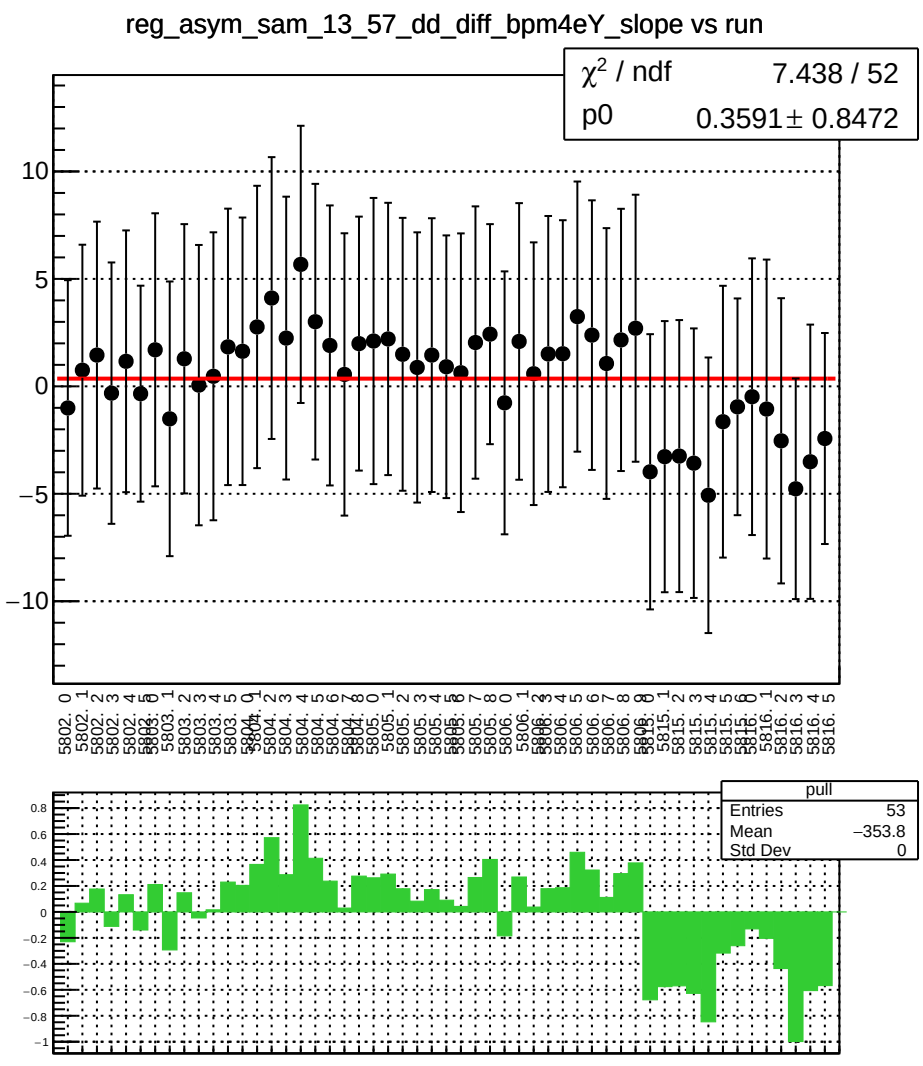

pull1D
Entries 53
Mean 0.0006022
Std Dev 0.1859

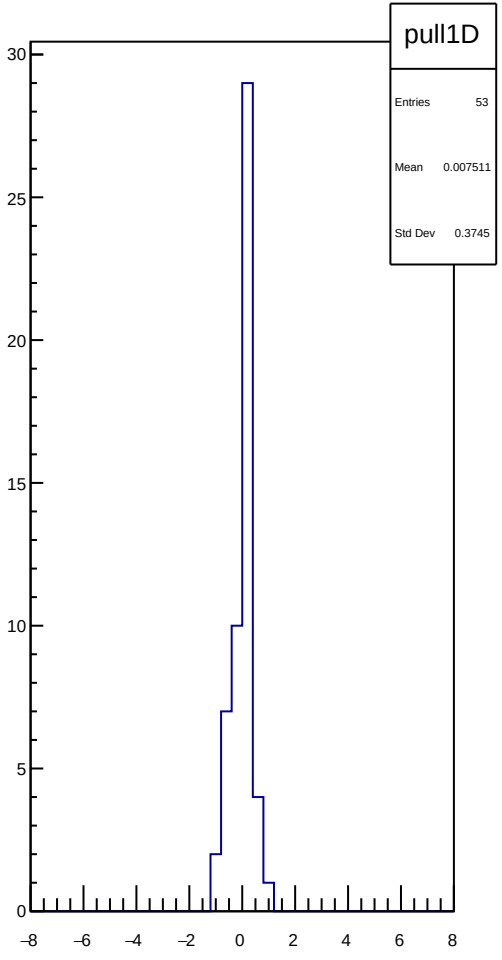

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.759 / 52
p0 −36.44 ± 0.7758
pull
Entries 53
Mean −364.9
Std Dev 0

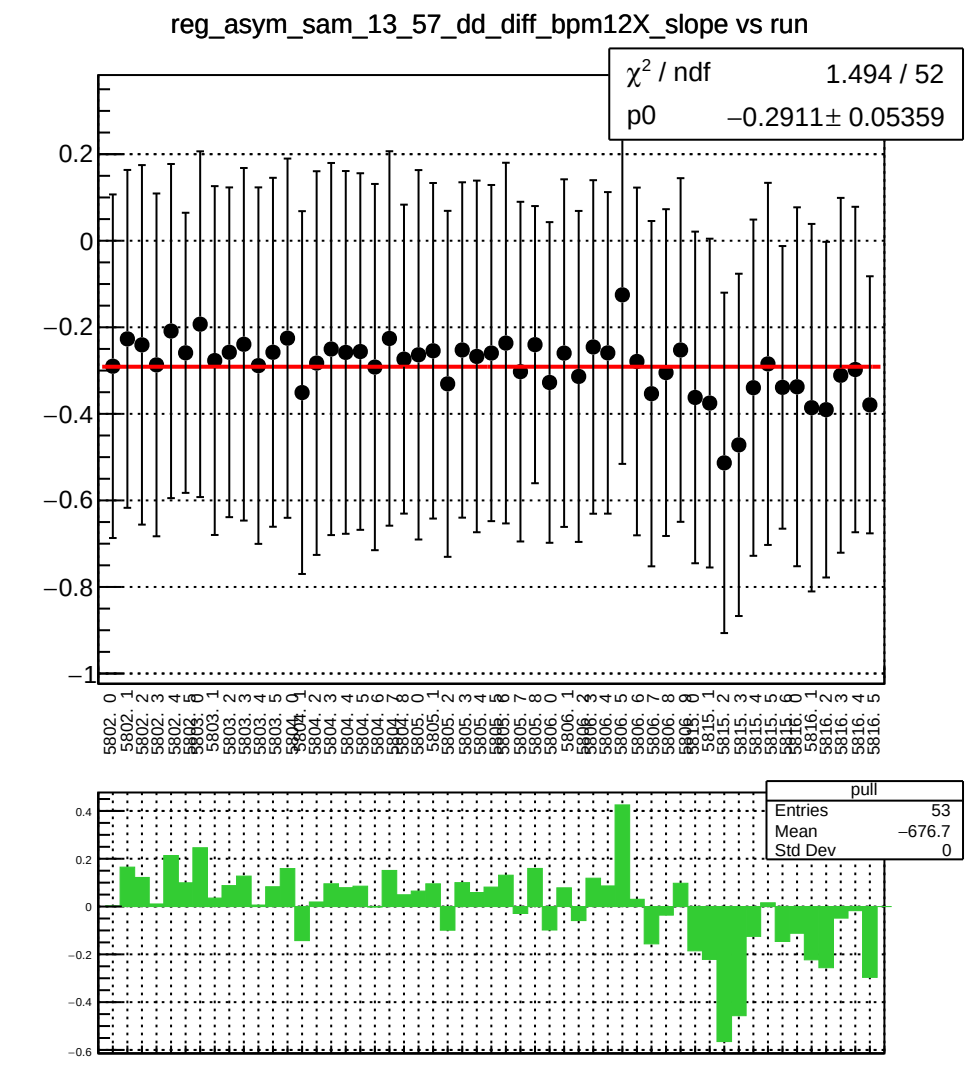

pull1D
Entries 53
Mean −0.005702
Std Dev 0.3296

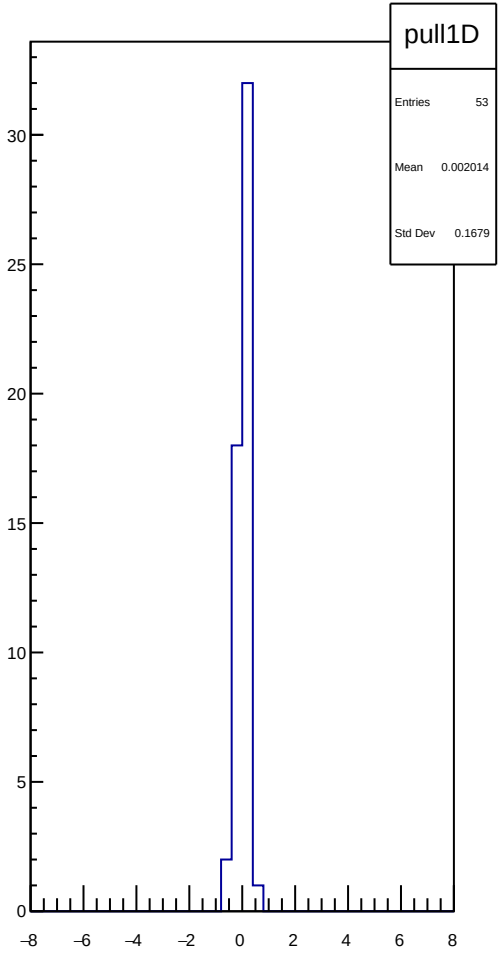

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.556 / 52
p0 −5.6 ± 0.6854
pull
Entries 53
Mean −720.4
Std Dev 0

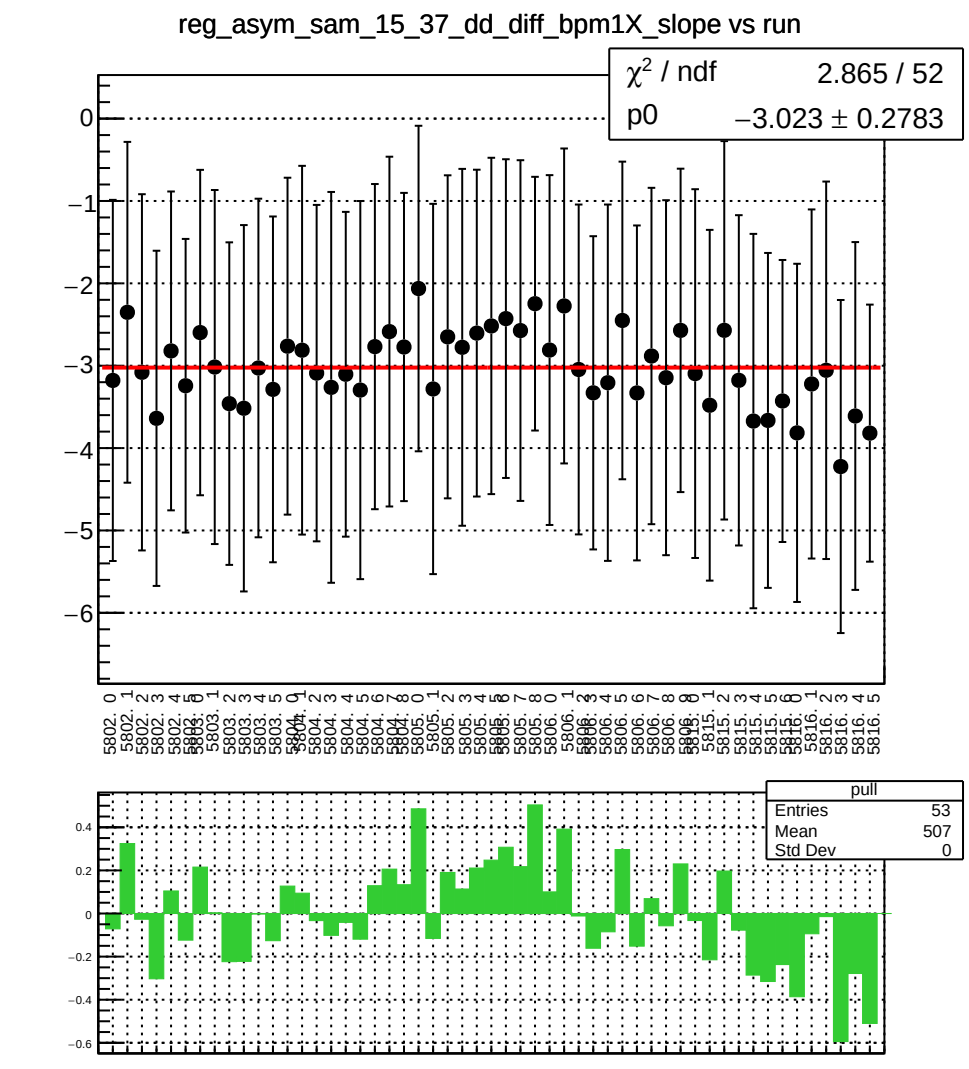

pull1D
Entries 53
Mean −0.001109
Std Dev 0.1713

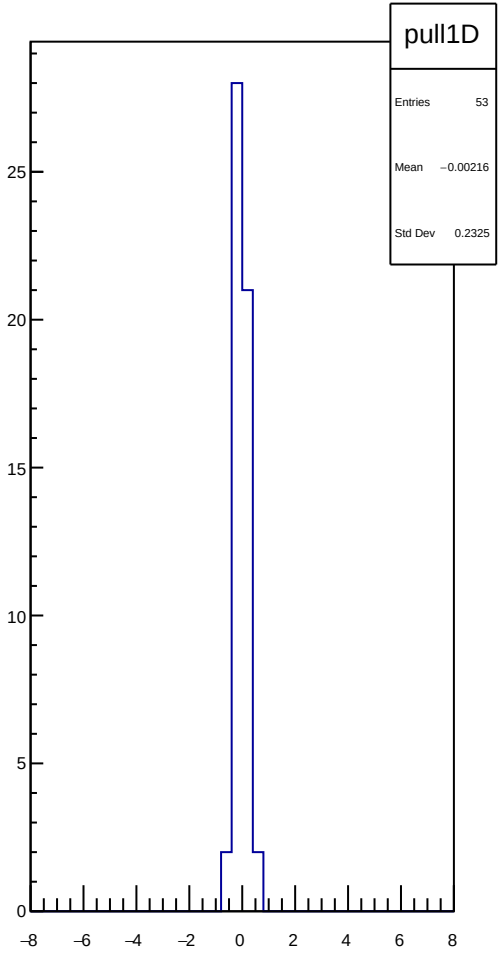

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.438 / 52
p0 0.3591 ± 0.8472
pull
Entries 53
Mean −353.8
Std Dev 0

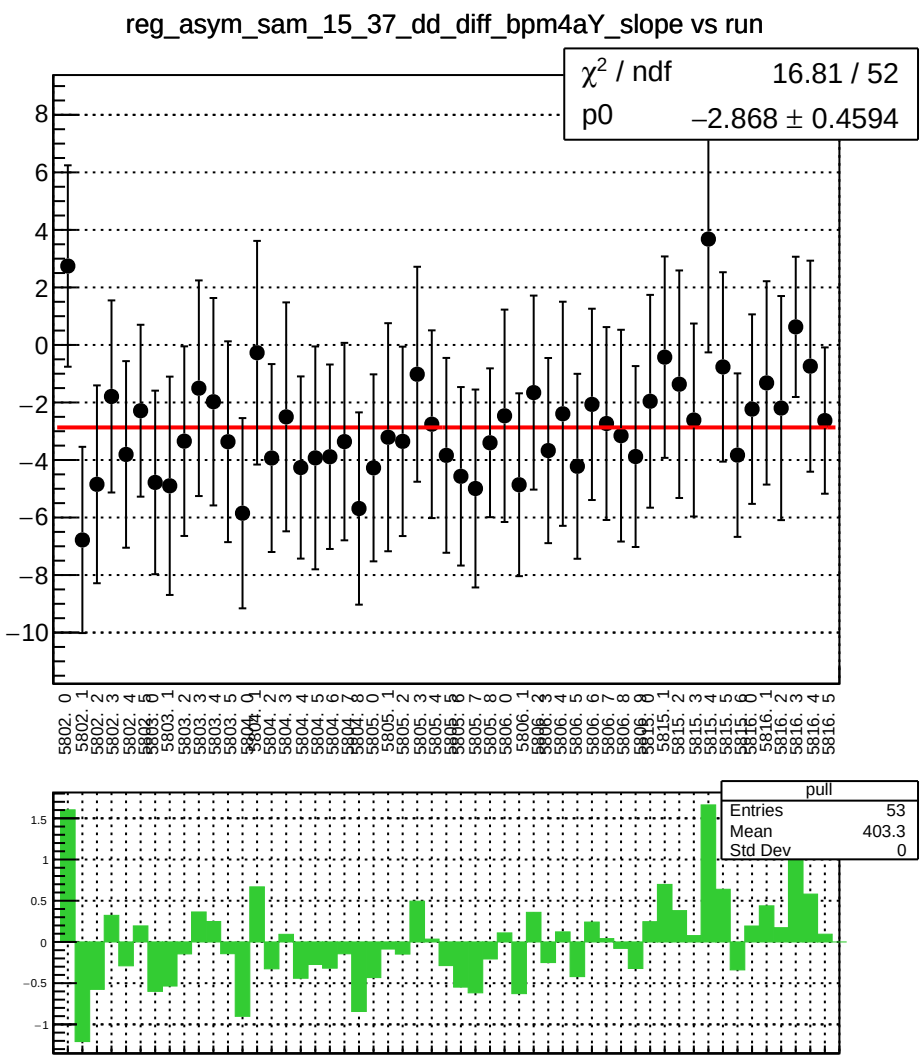

pull1D
Entries 53
Mean 0.007511
Std Dev 0.3745

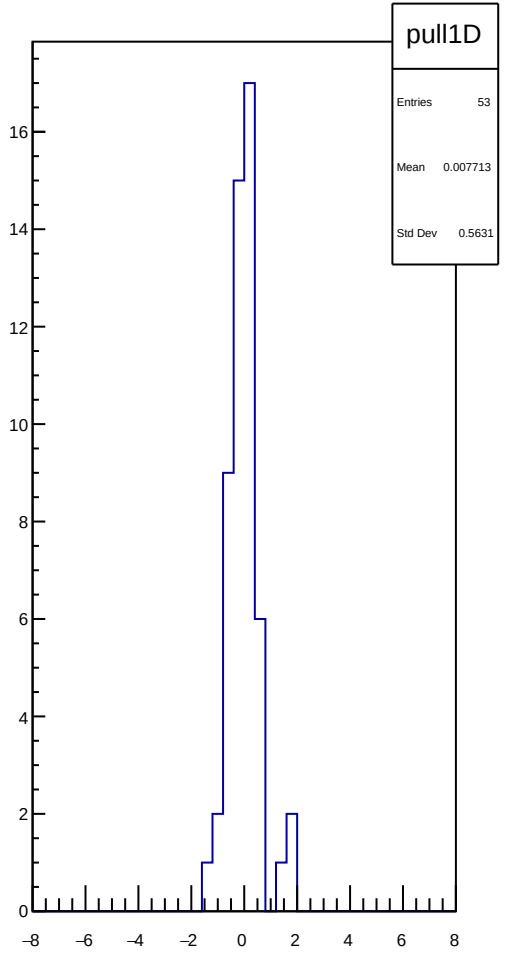

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.494 / 52
p0 −0.2911± 0.05359
pull
Entries 53
Mean −676.7
Std Dev 0

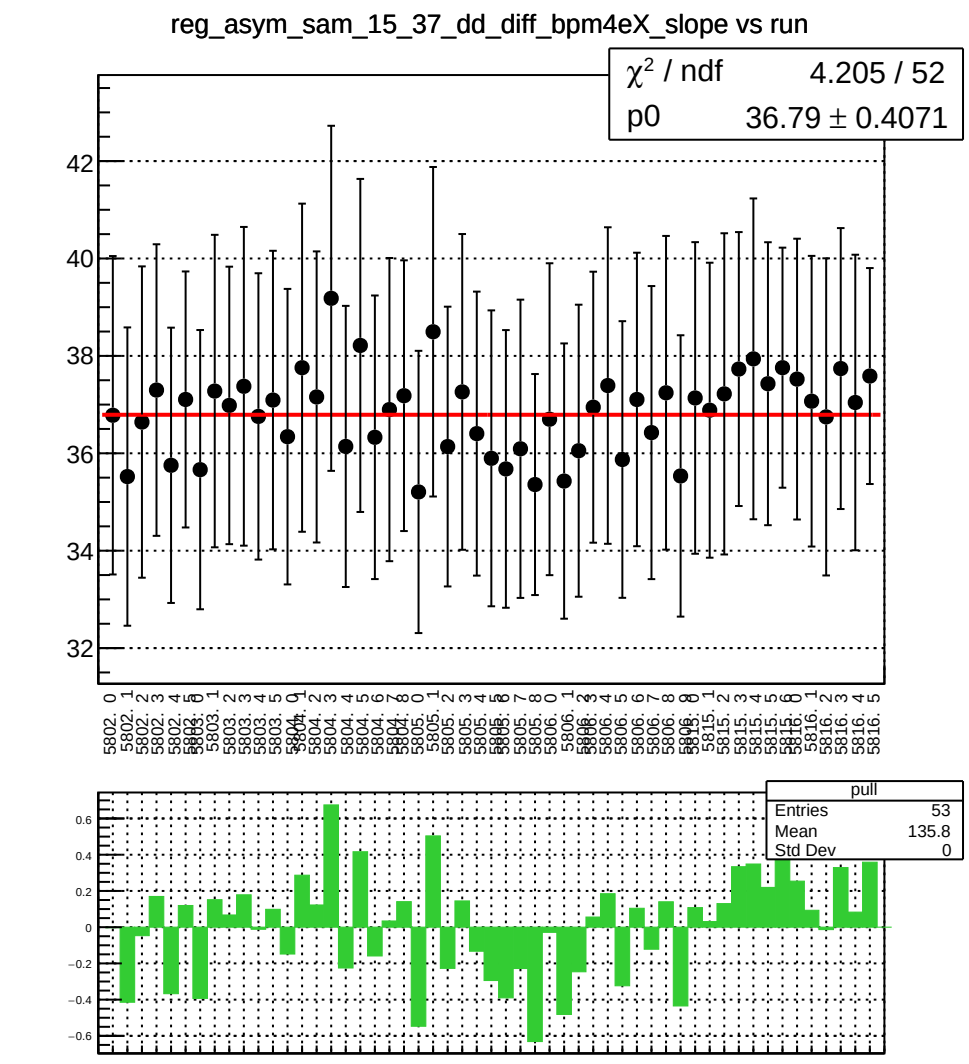

pull1D
Entries 53
Mean 0.002014
Std Dev 0.1679

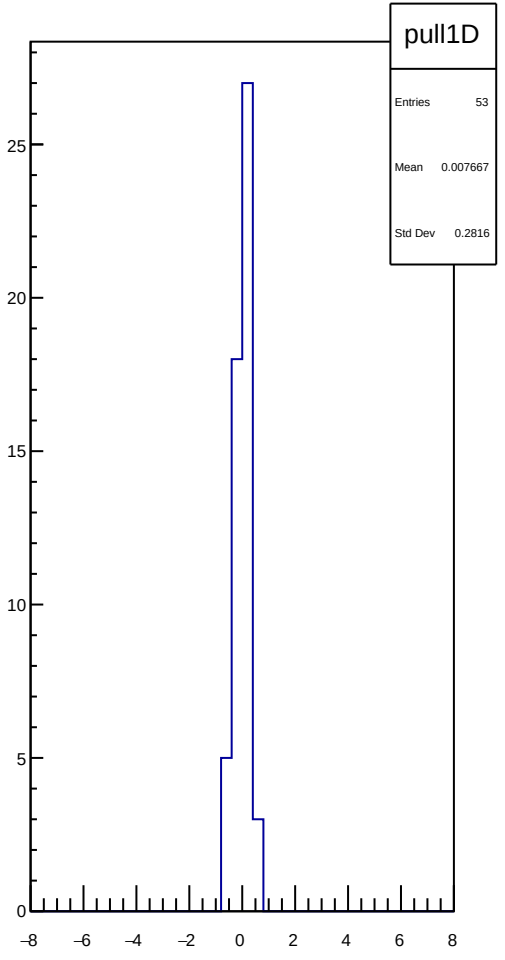

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.865 / 52
p0 −3.023 ± 0.2783
pull
Entries 53
Mean 507
Std Dev 0

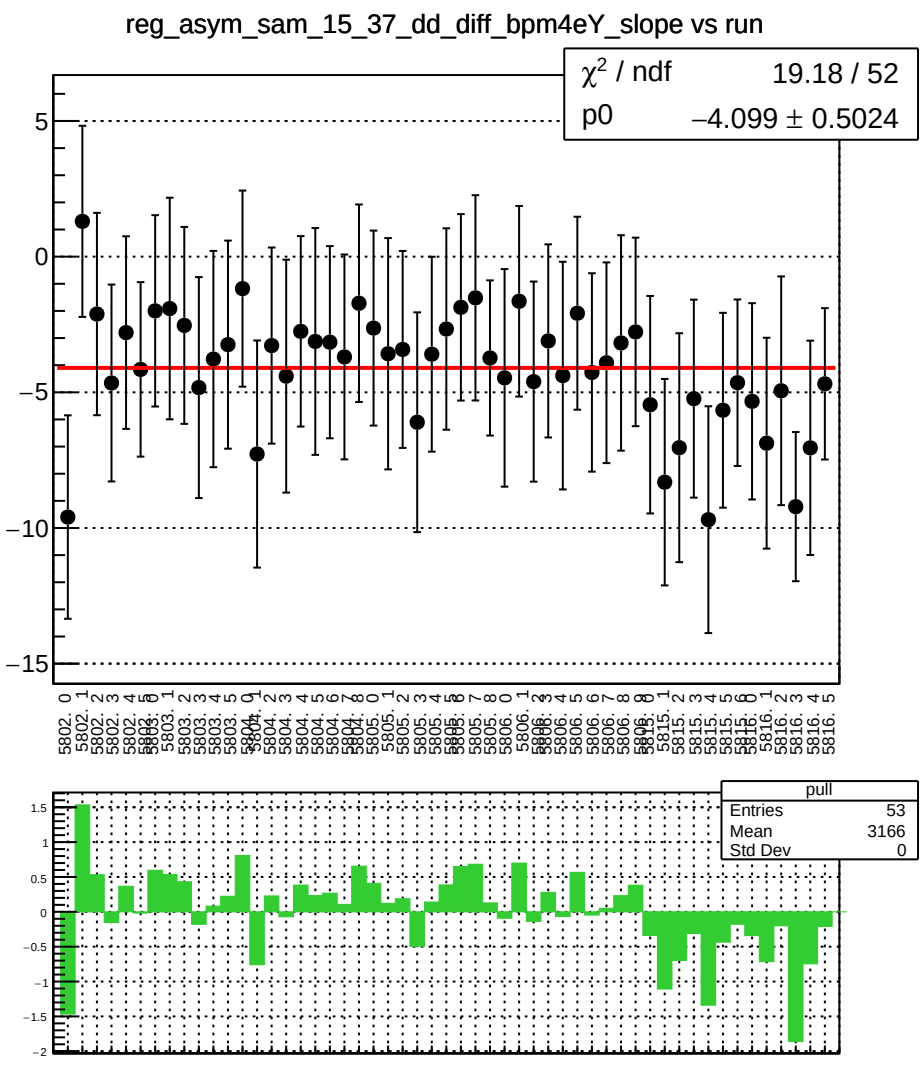

pull1D
Entries 53
Mean −0.00216
Std Dev 0.2325

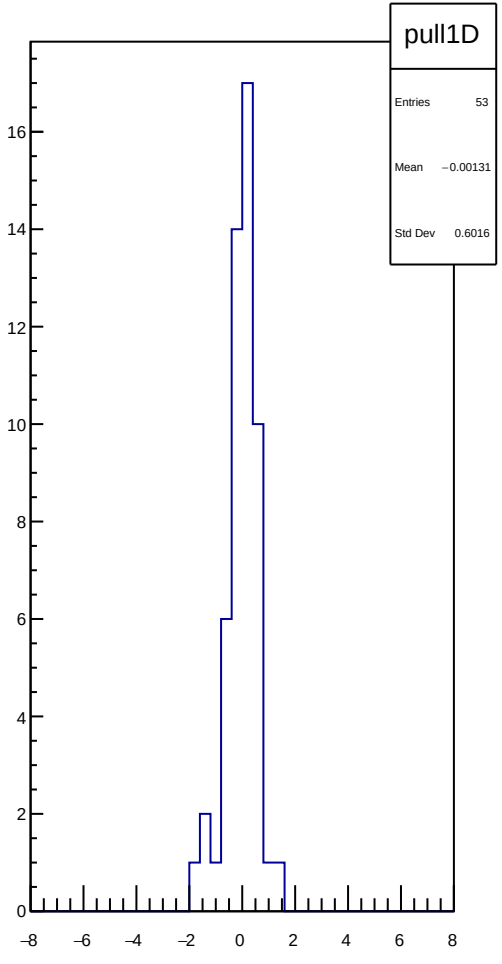

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.81 / 52
p0 −2.868 ± 0.4594
pull
Entries 53
Mean 403.3
Std Dev 0

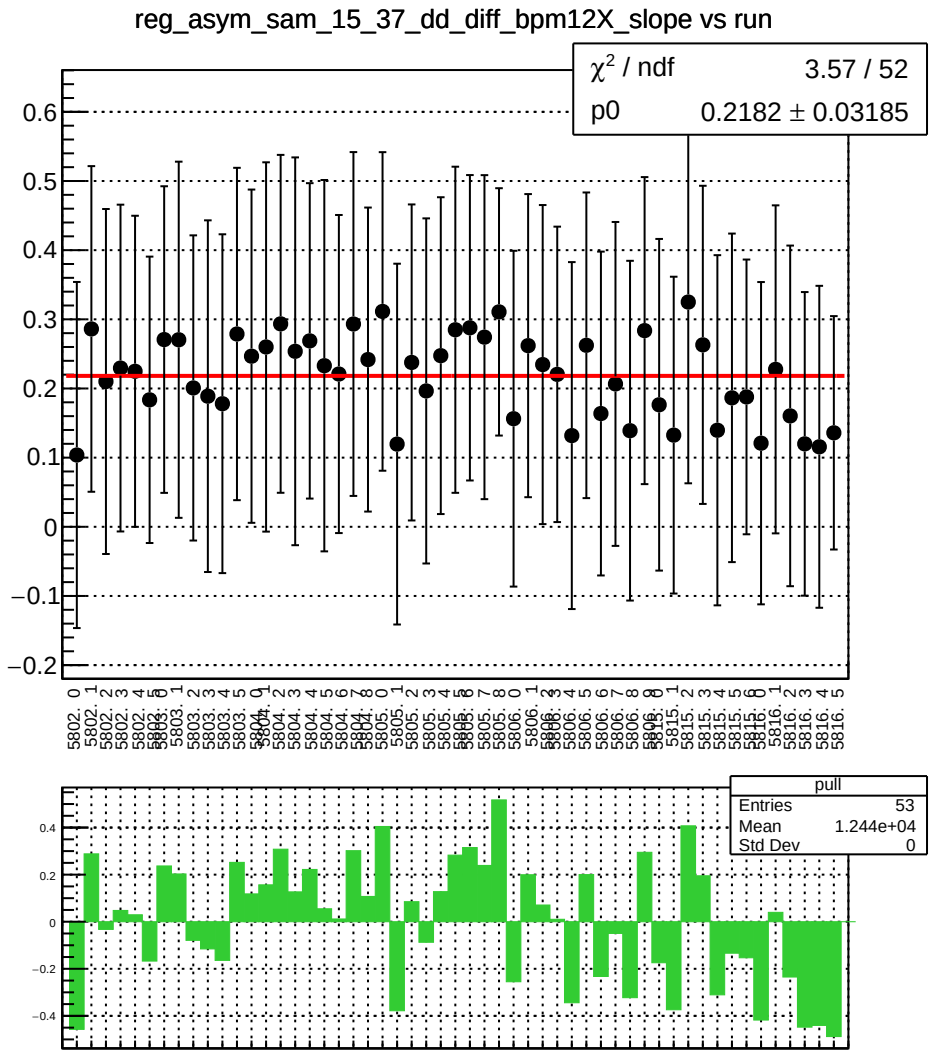

pull1D
Entries 53
Mean 0.007713
Std Dev 0.5631

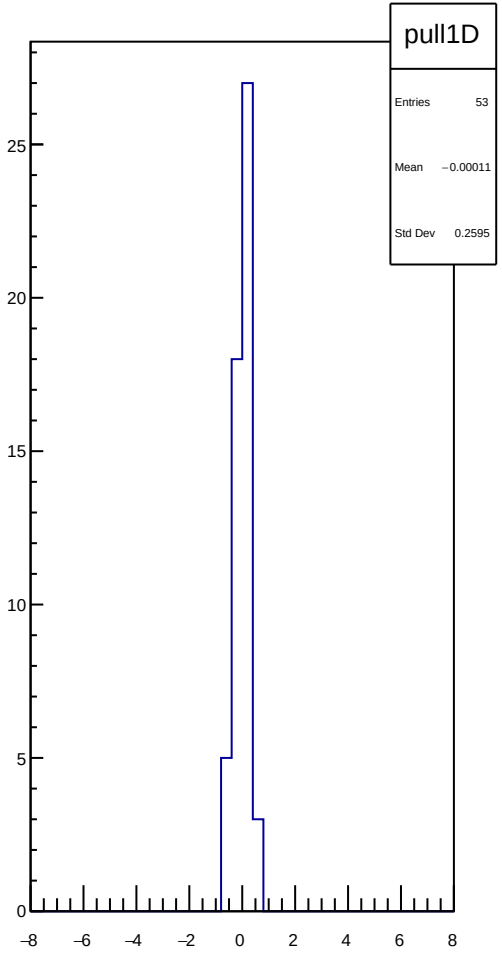

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.205 / 52
p0 36.79 ± 0.4071
pull
Entries 53
Mean 135.8
Std Dev 0

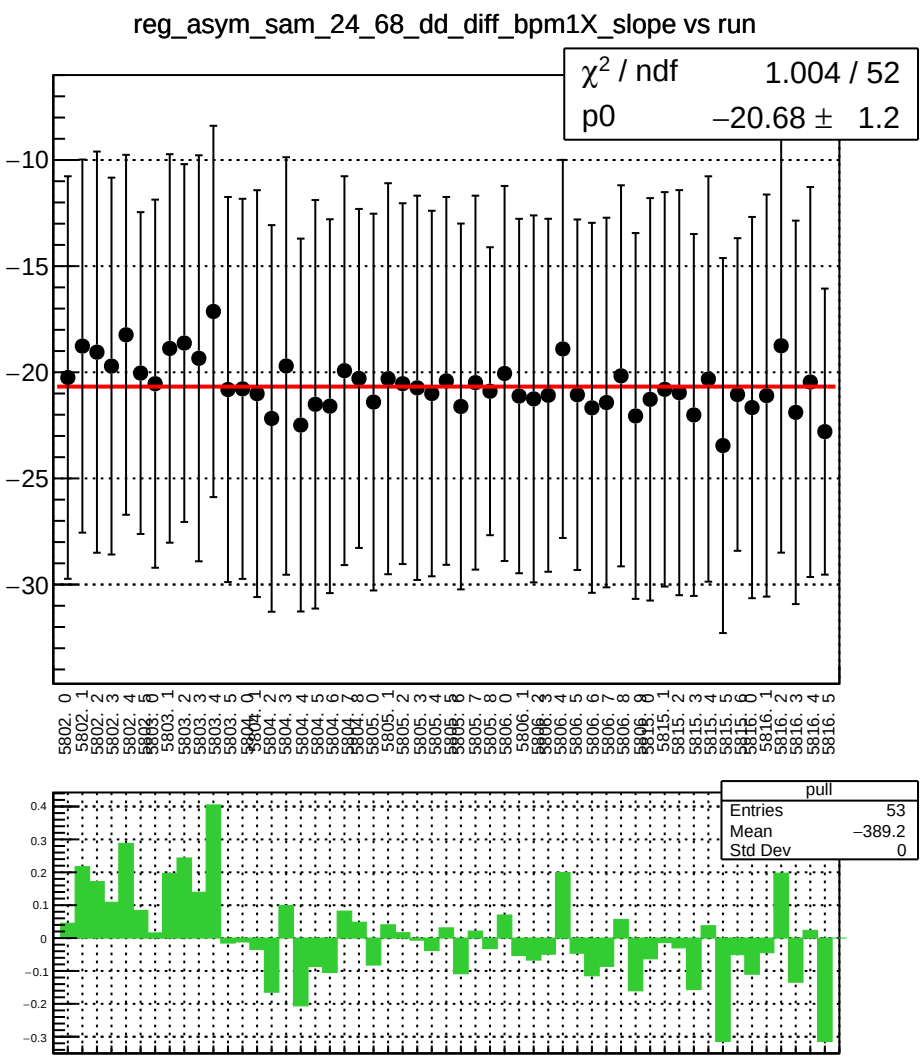

pull1D
Entries 53
Mean 0.007667
Std Dev 0.2816

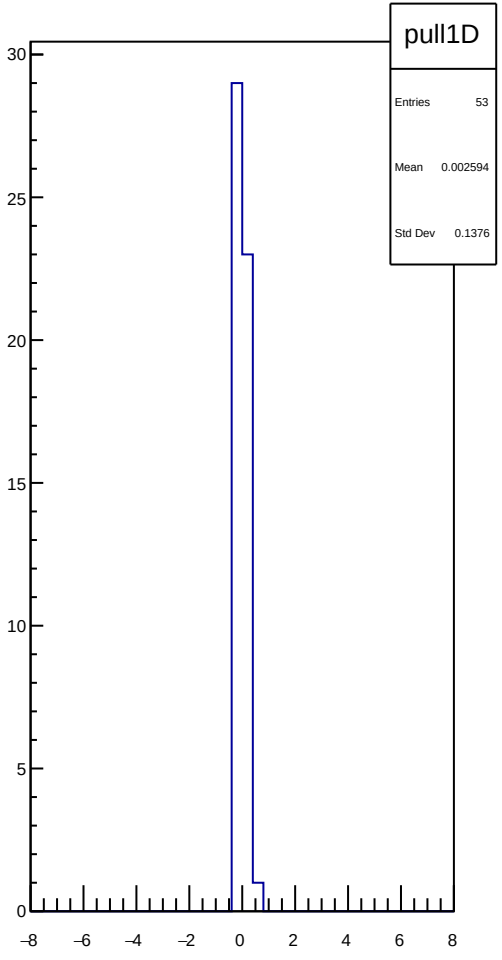

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.18 / 52
p0 −4.099 ± 0.5024
pull
Entries 53
Mean 3166
Std Dev 0

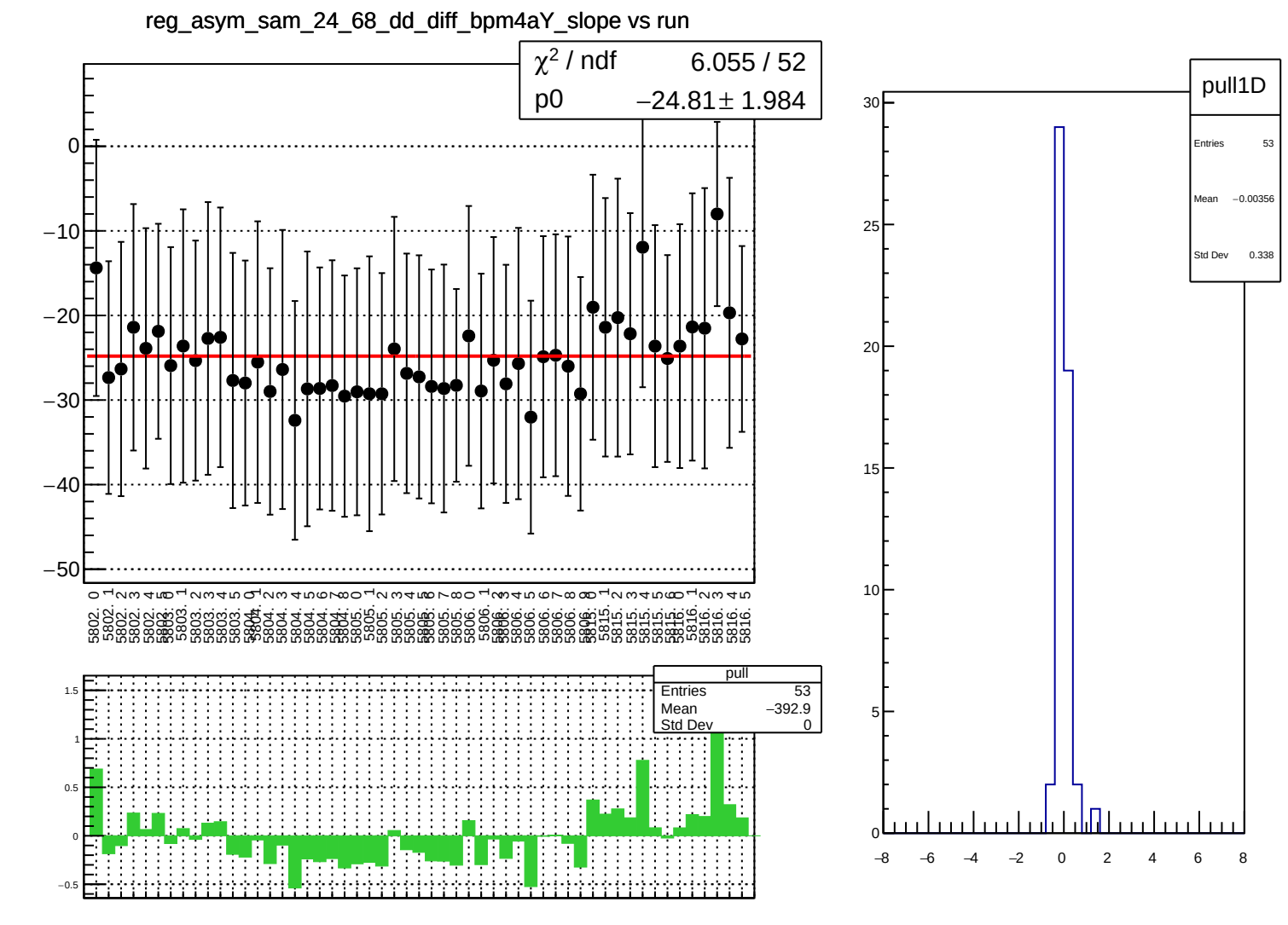

pull1D
Entries 53
Mean −0.00131
Std Dev 0.6016

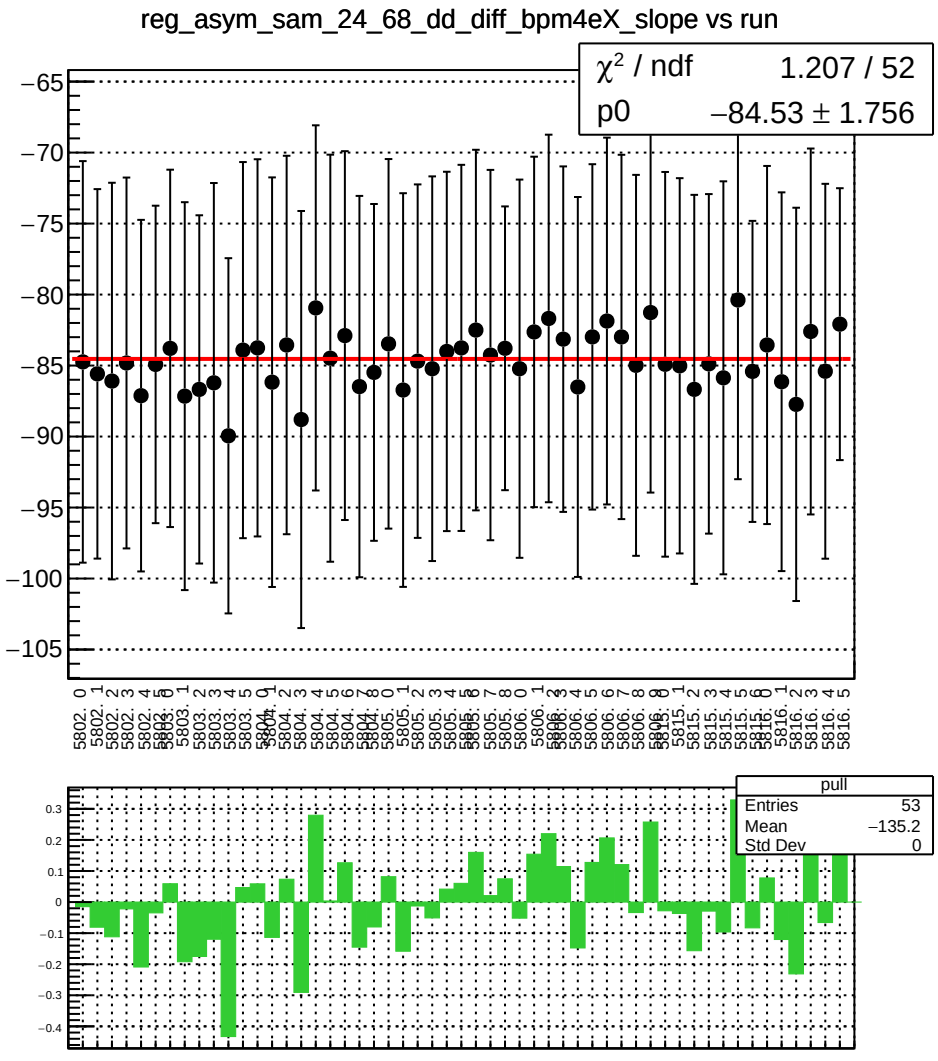

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.57 / 52
p0 0.2182 ± 0.03185
pull
Entries 53
Mean 1.244e+04
Std Dev 0

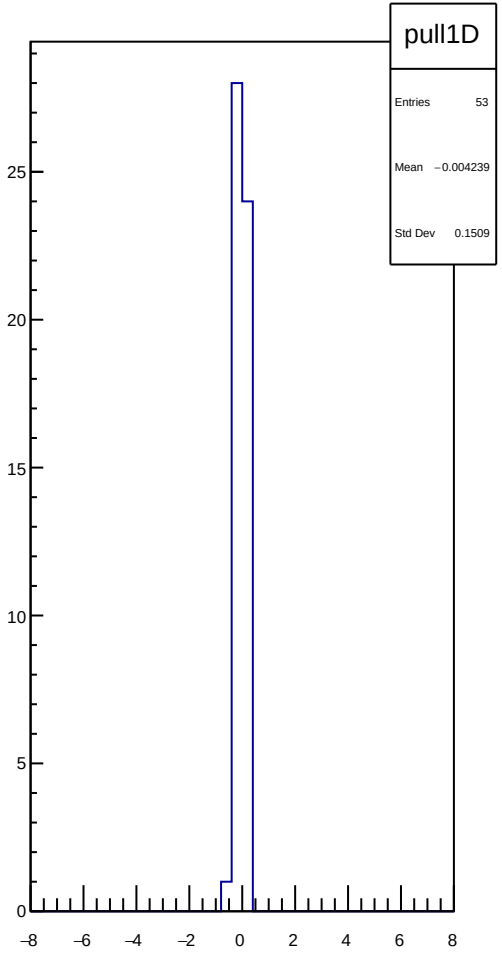

pull1D
Entries 53
Mean −0.00011
Std Dev 0.2595

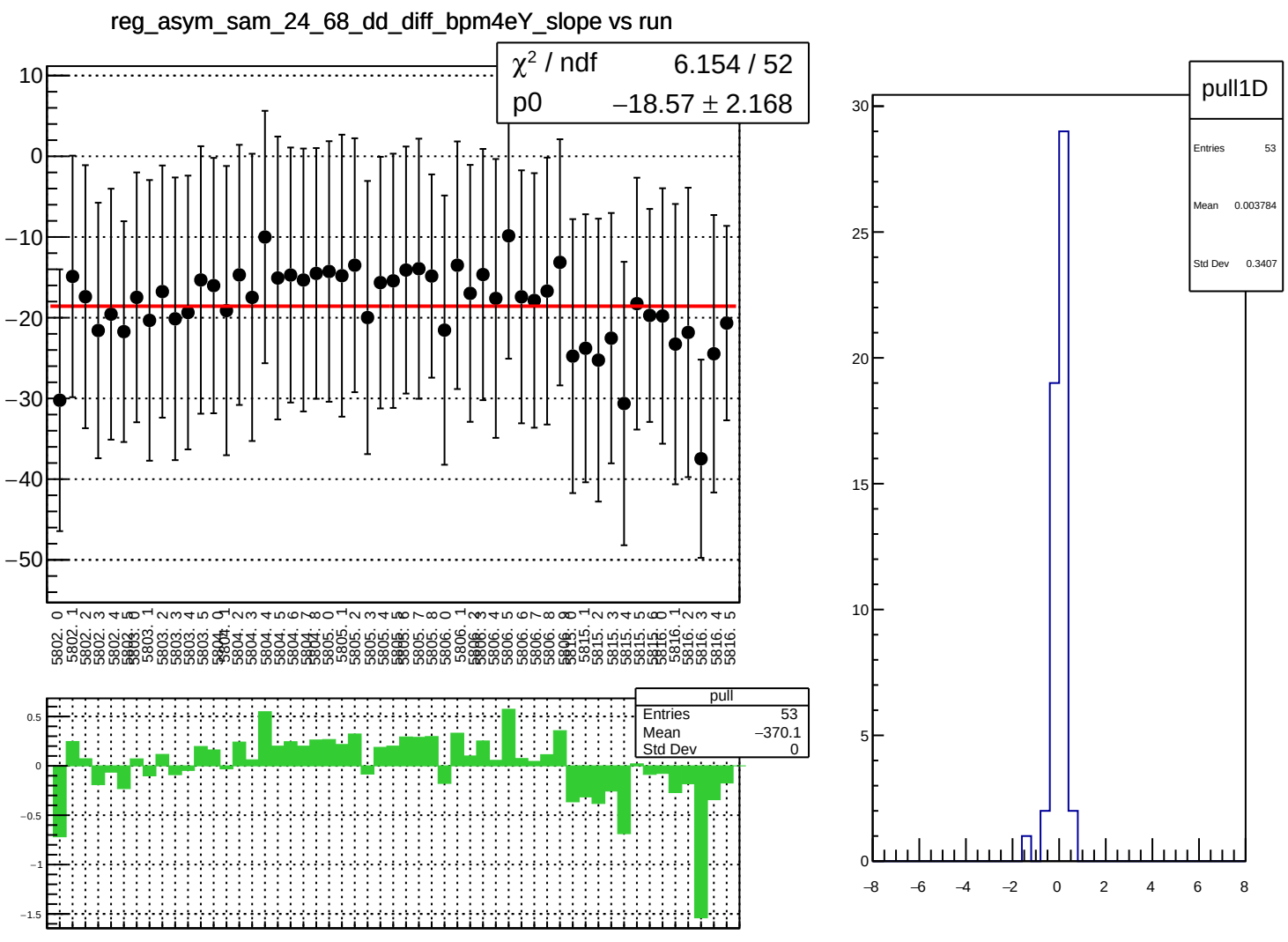

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.004 / 52
p0 −20.68 ± 1.2
pull
Entries 53
Mean −389.2
Std Dev 0

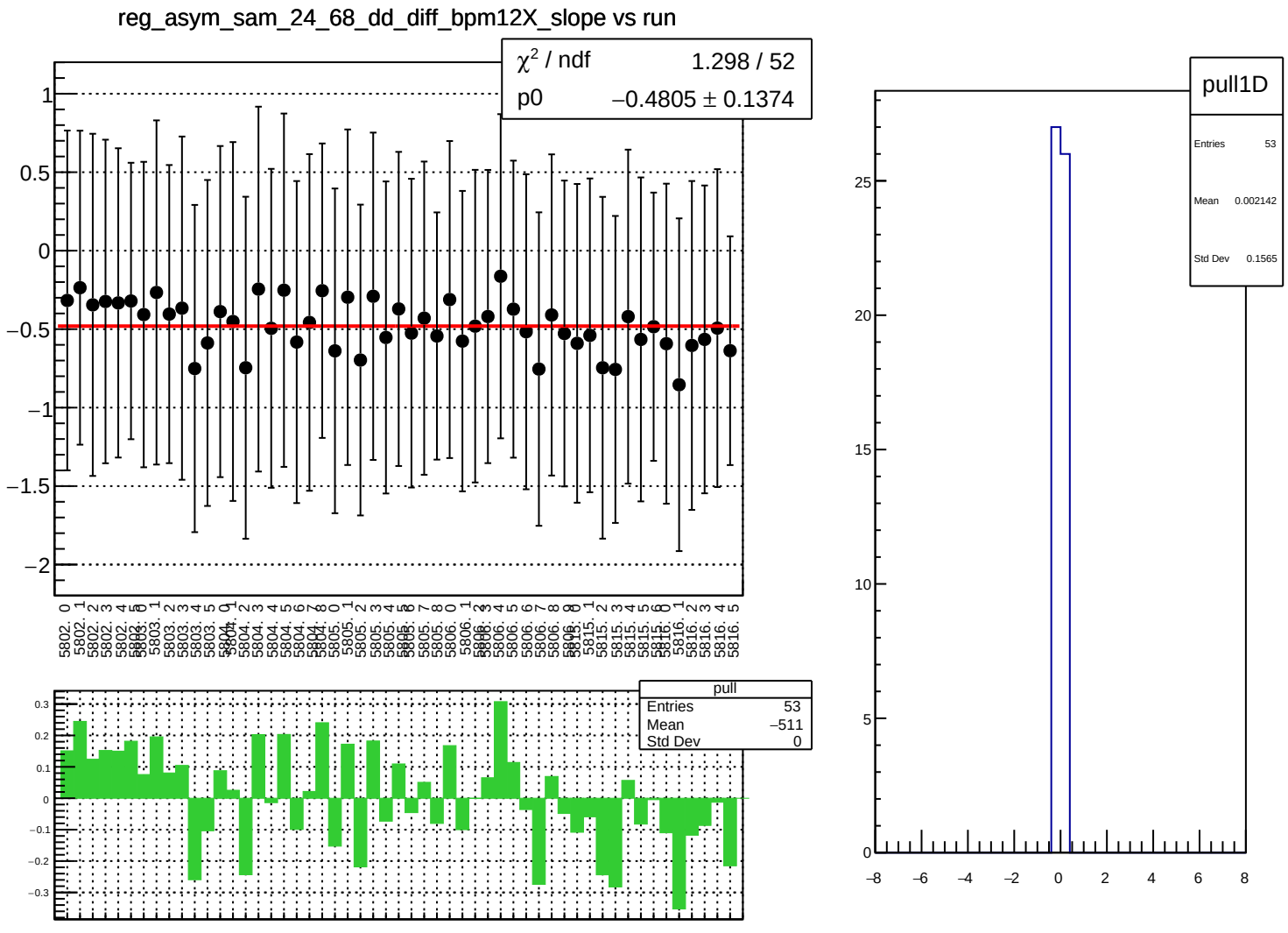

pull1D
Entries 53
Mean 0.002594
Std Dev 0.1376

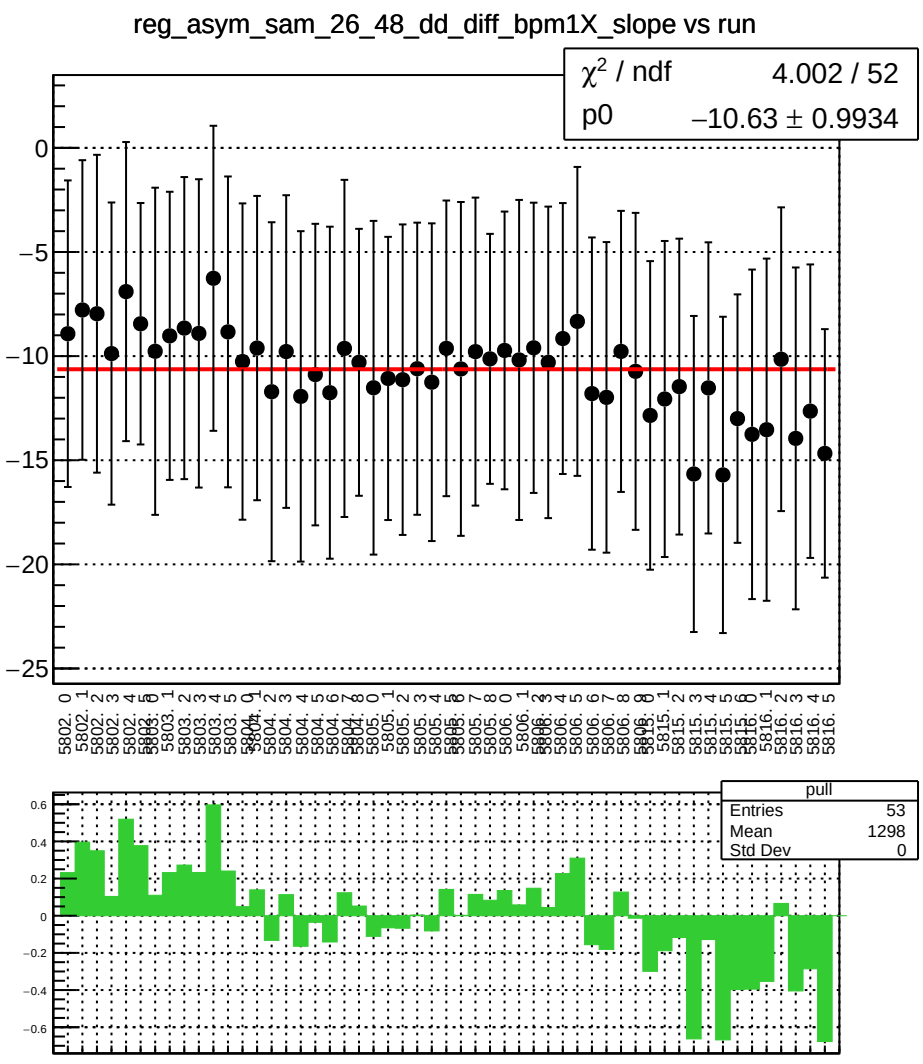

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.055 / 52
p0 −24.81 ± 1.984
pull
Entries 53
Mean −392.9
Std Dev 0
pull1D
Entries 53
Mean −0.00356
Std Dev 0.338

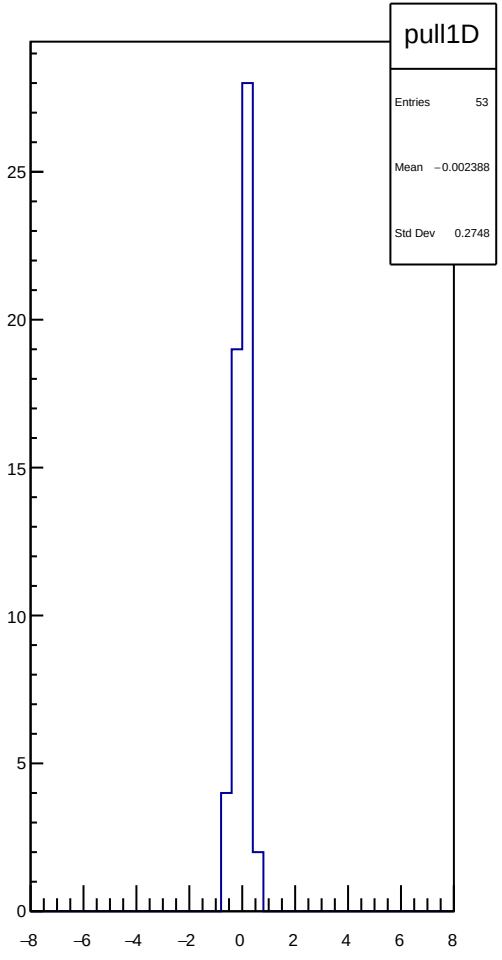

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.207 / 52
p0 −84.53 ± 1.756
pull
Entries 53
Mean −135.2
Std Dev 0

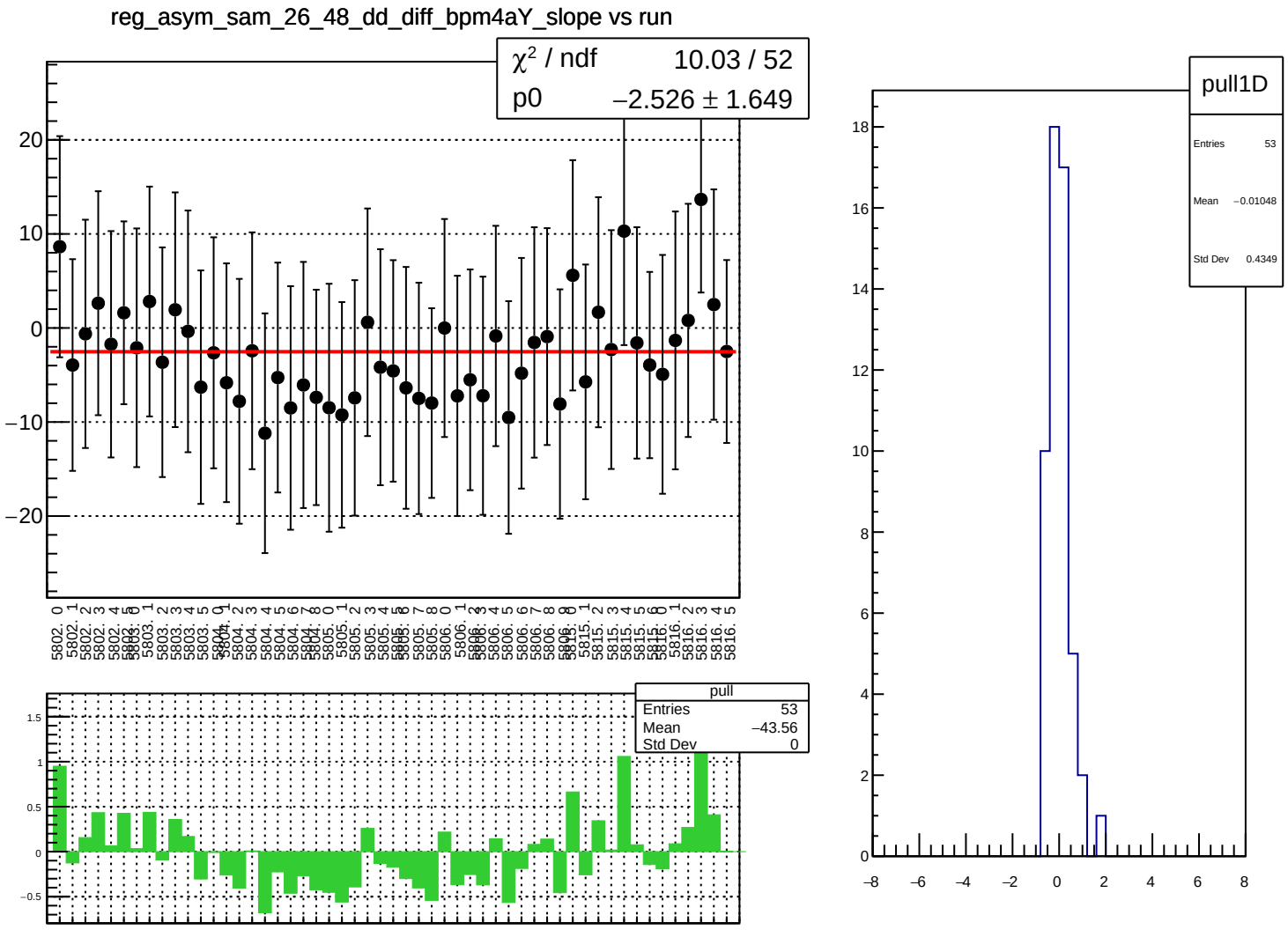

pull1D
Entries 53
Mean −0.004239
Std Dev 0.1509

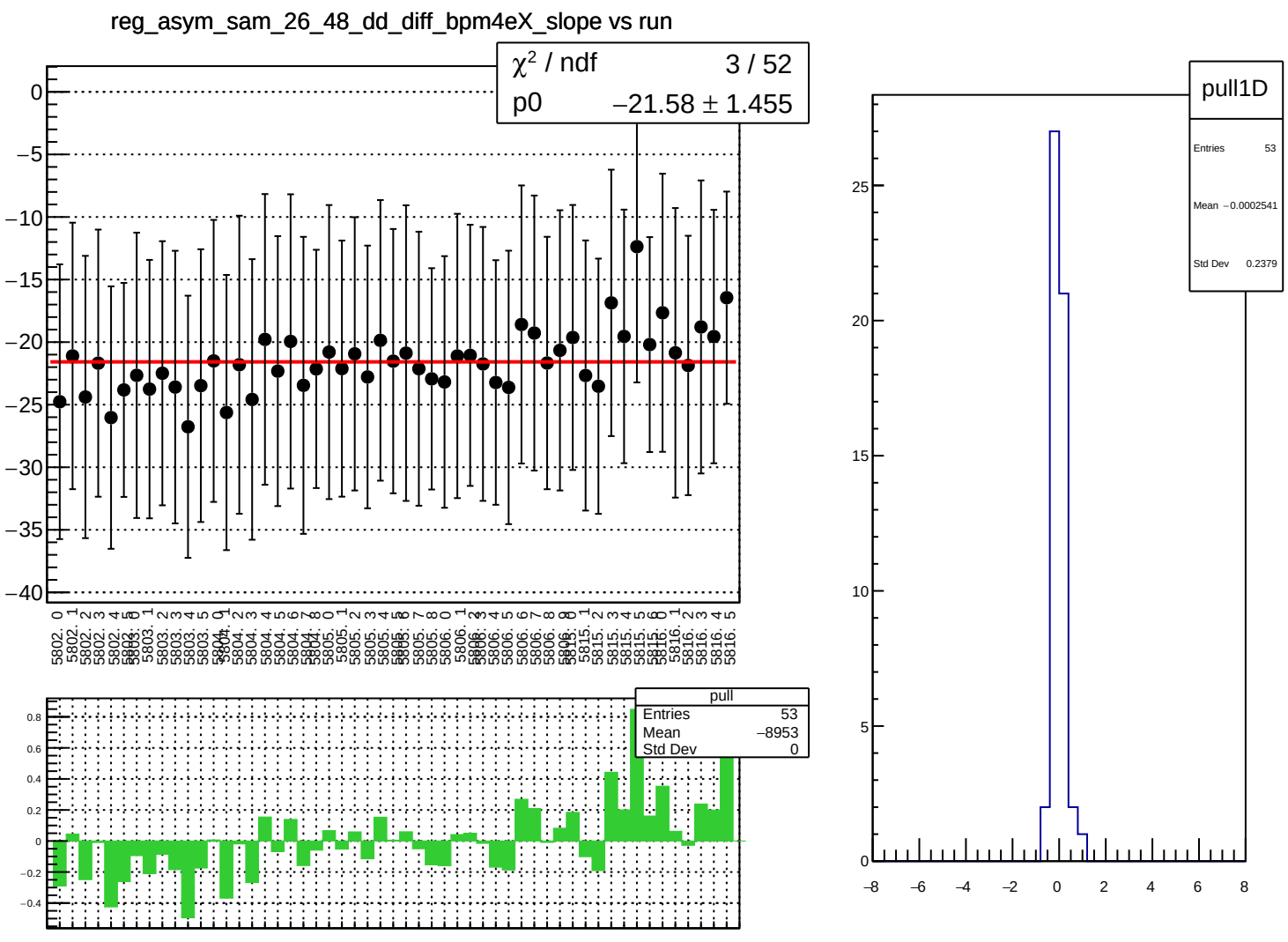

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.154 / 52
p0 −18.57 ± 2.168
pull
Entries 53
Mean −370.1
Std Dev 0
pull1D
Entries 53
Mean 0.003784
Std Dev 0.3407

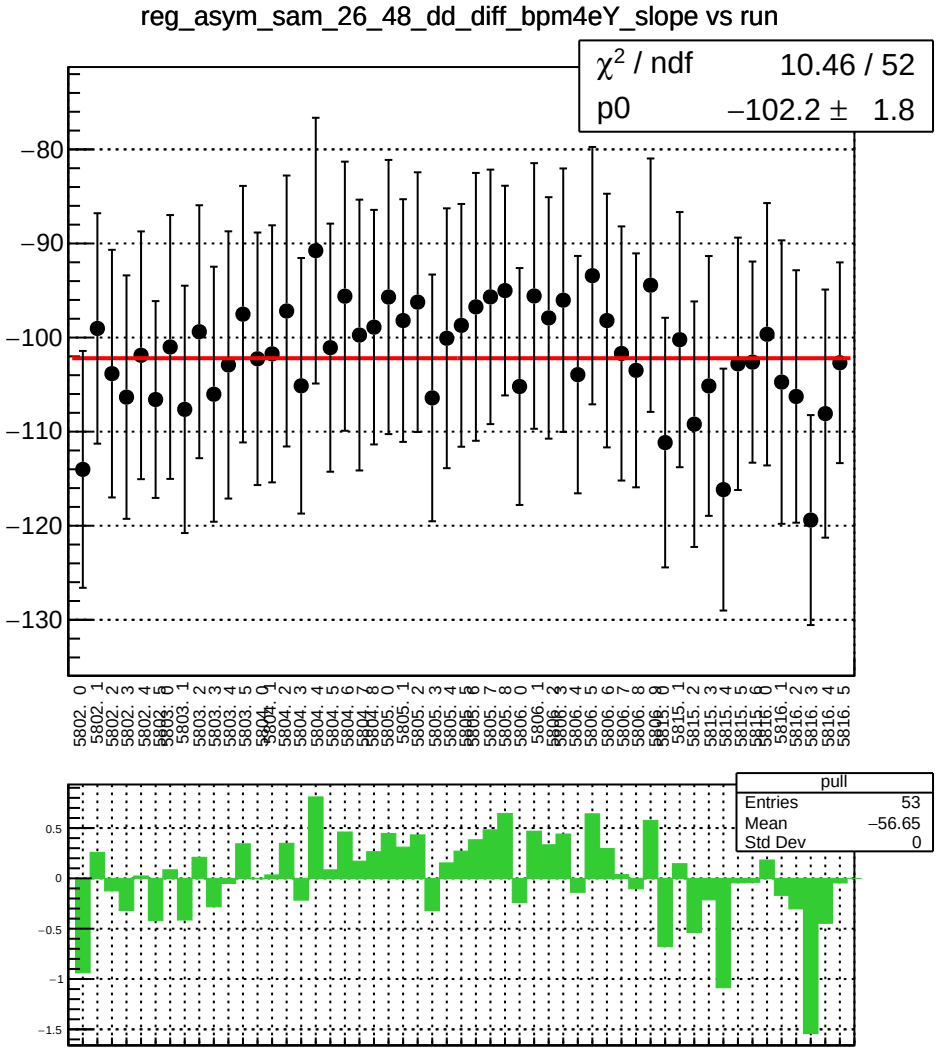

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.298 / 52
p0 −0.4805 ± 0.1374
pull
Entries 53
Mean −511
Std Dev 0
pull1D
Entries 53
Mean 0.002142
Std Dev 0.1565

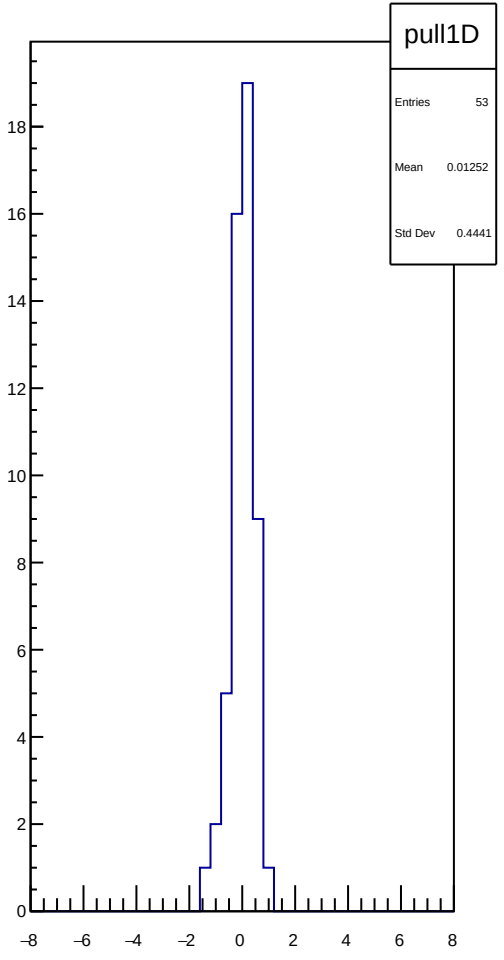

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.002 / 52
p0 −10.63 ± 0.9934
pull
Entries 53
Mean 1298
Std Dev 0

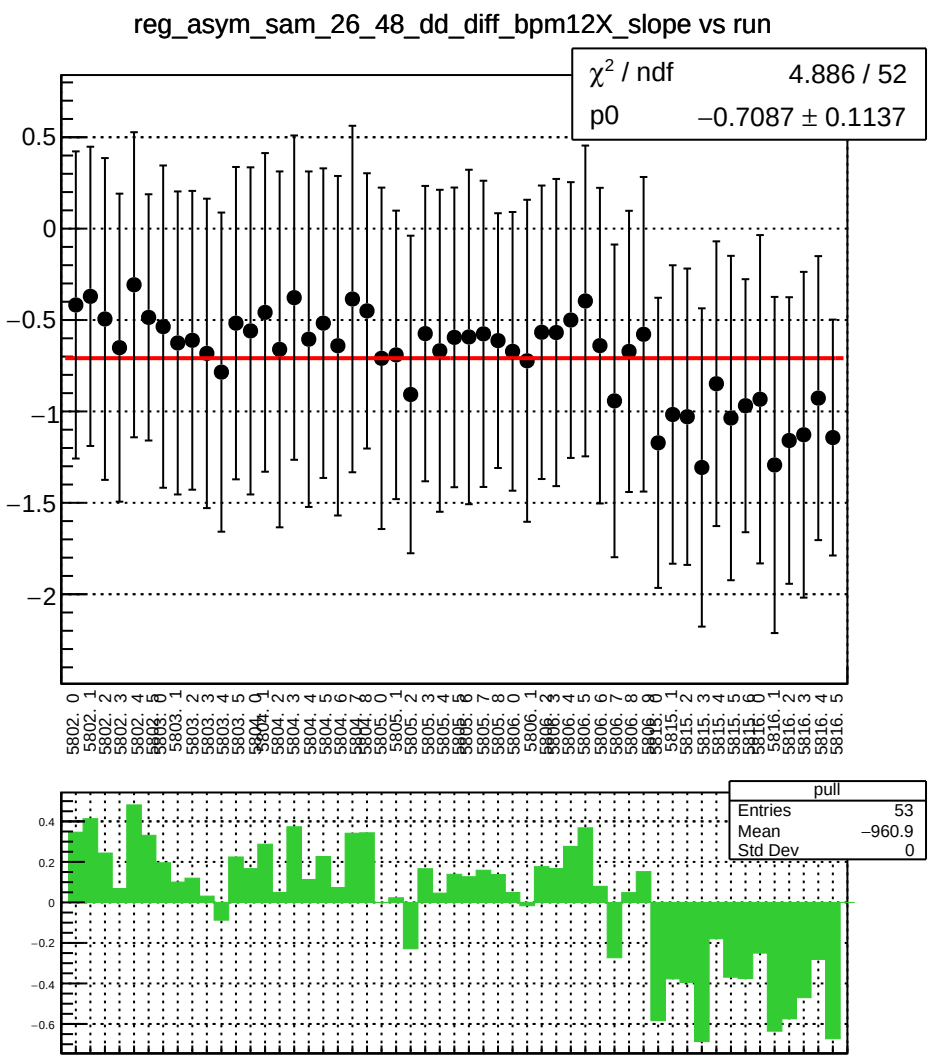

pull1D
Entries 53
Mean −0.002388
Std Dev 0.2748

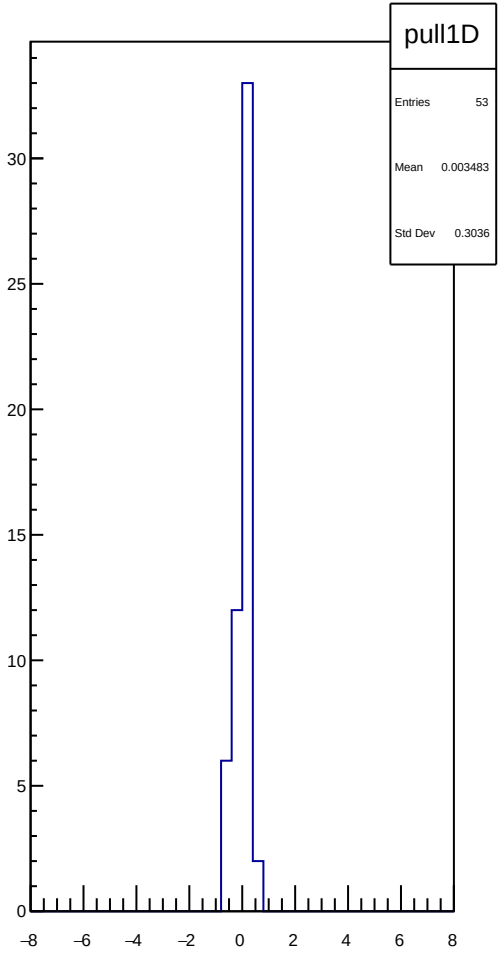

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.03 / 52
p0 −2.526 ± 1.649
pull
Entries 53
Mean −43.56
Std Dev 0
pull1D
Entries 53
Mean −0.01048
Std Dev 0.4349

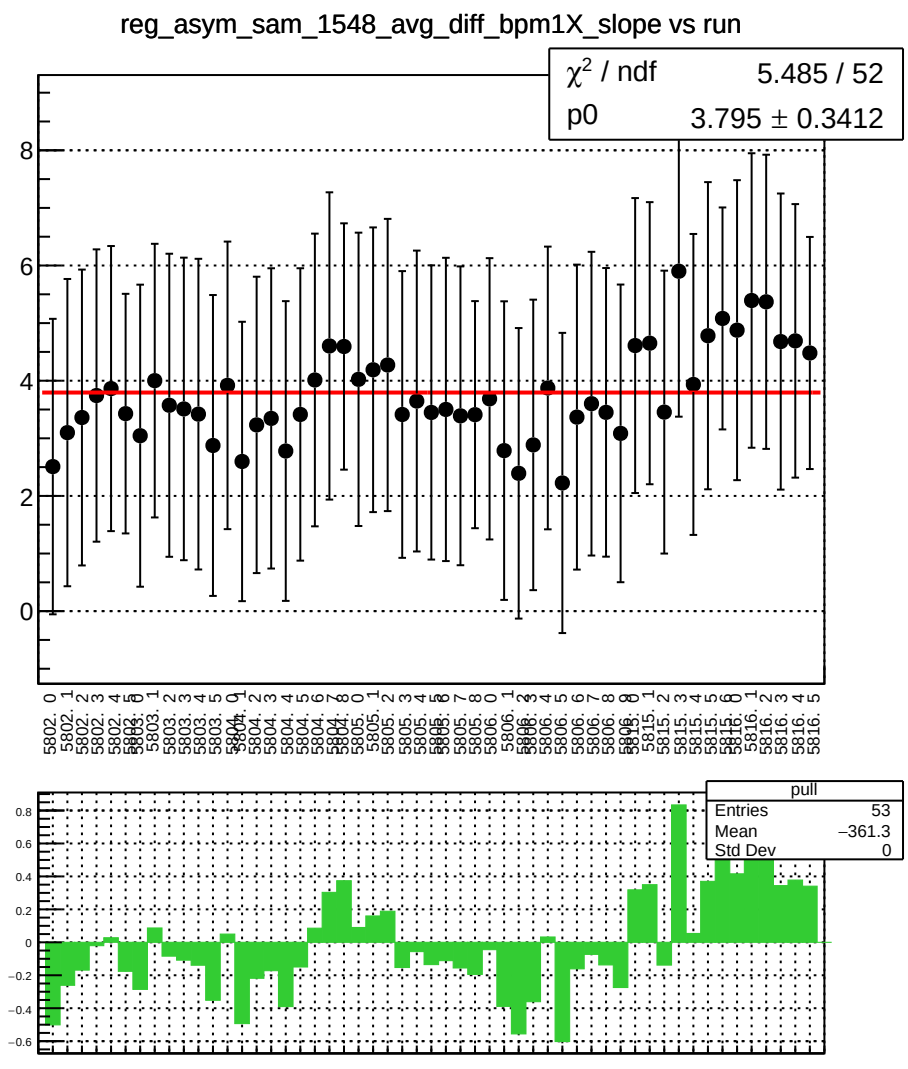

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3 / 52
p0 −21.58 ± 1.455
pull
Entries 53
Mean −8953
Std Dev 0
pull1D
Entries 53
Mean −0.0002541
Std Dev 0.2379

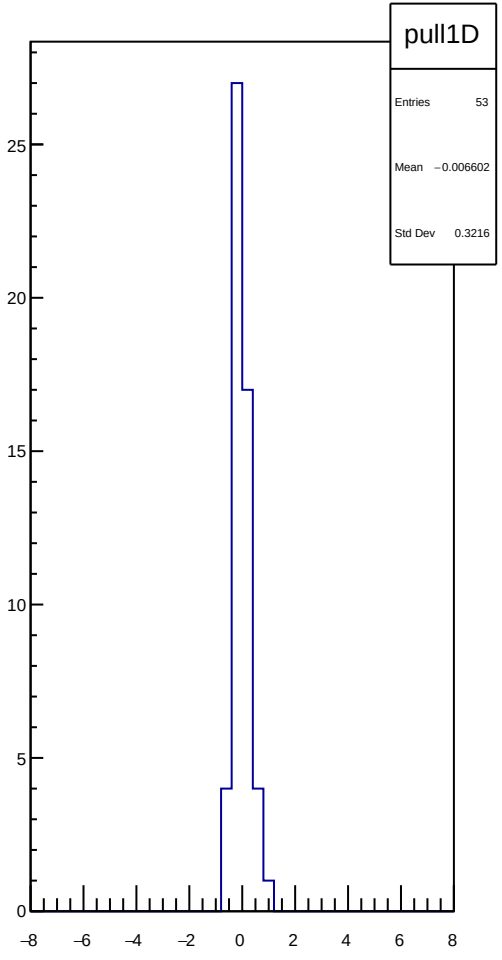

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.46 / 52
p0 −102.2 ± 1.8
pull
Entries 53
Mean −56.65
Std Dev 0

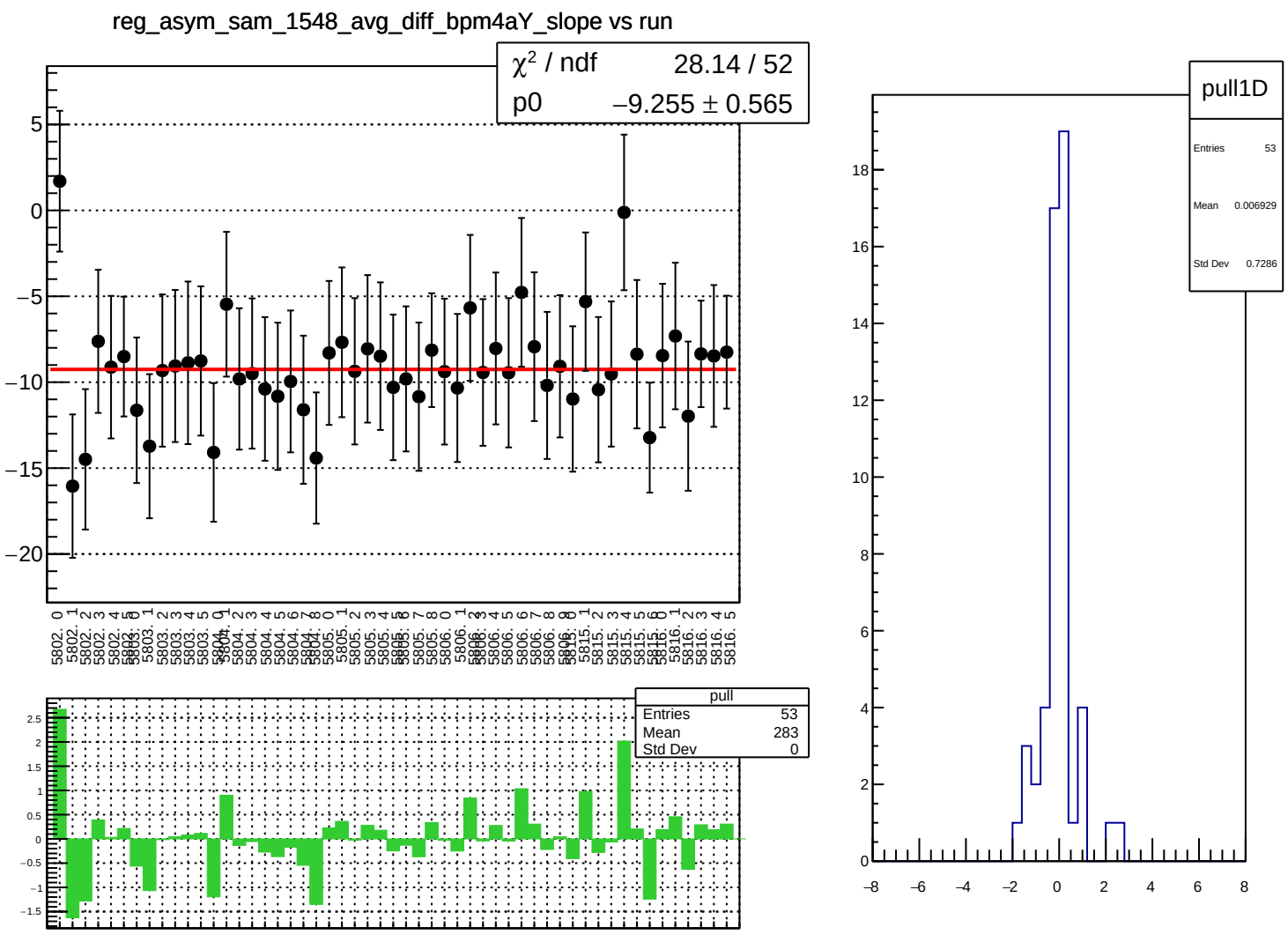

pull1D
Entries 53
Mean 0.01252
Std Dev 0.4441

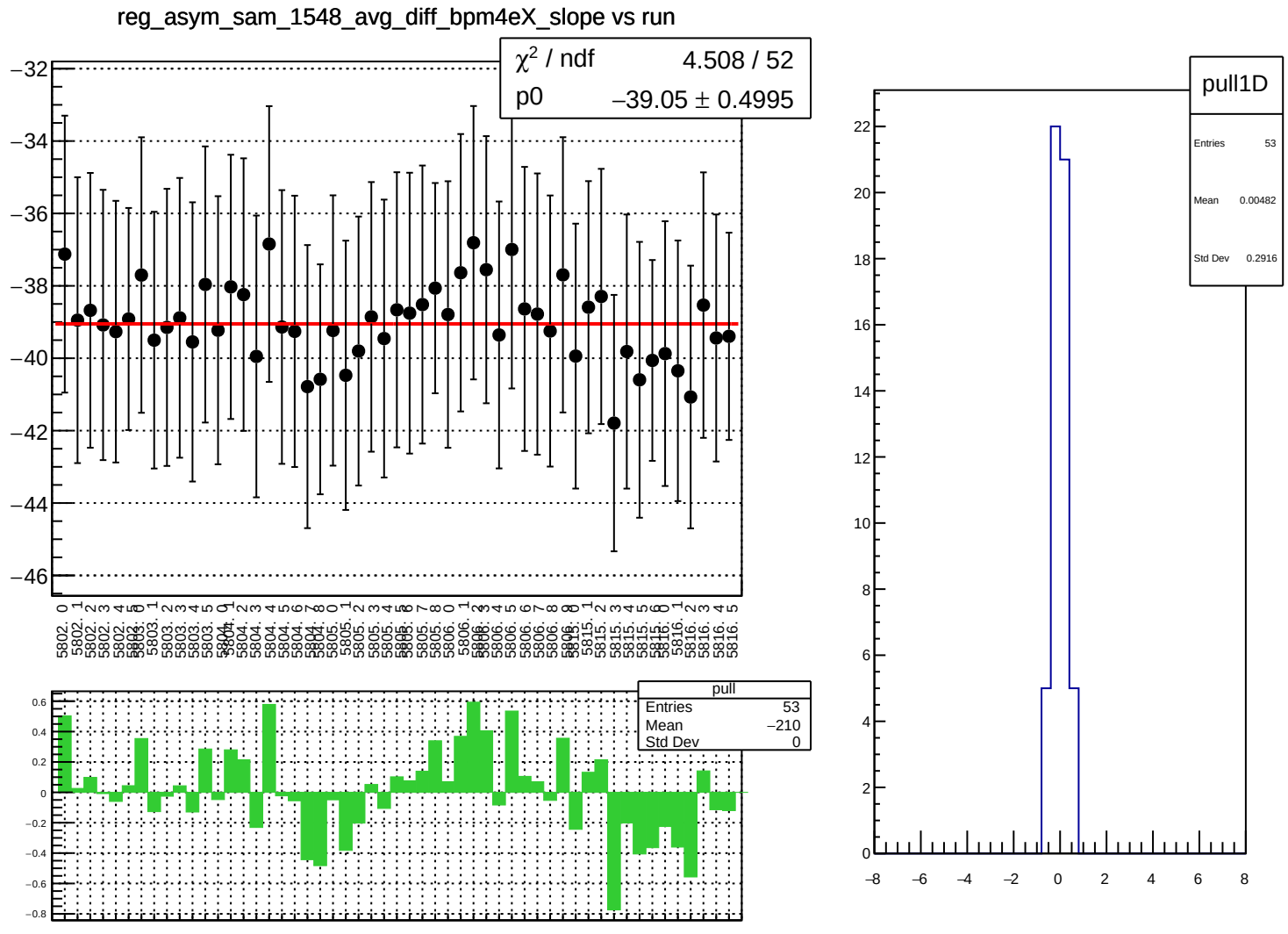

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.886 / 52
p0 −0.7087 ± 0.1137
pull
Entries 53
Mean −960.9
Std Dev 0

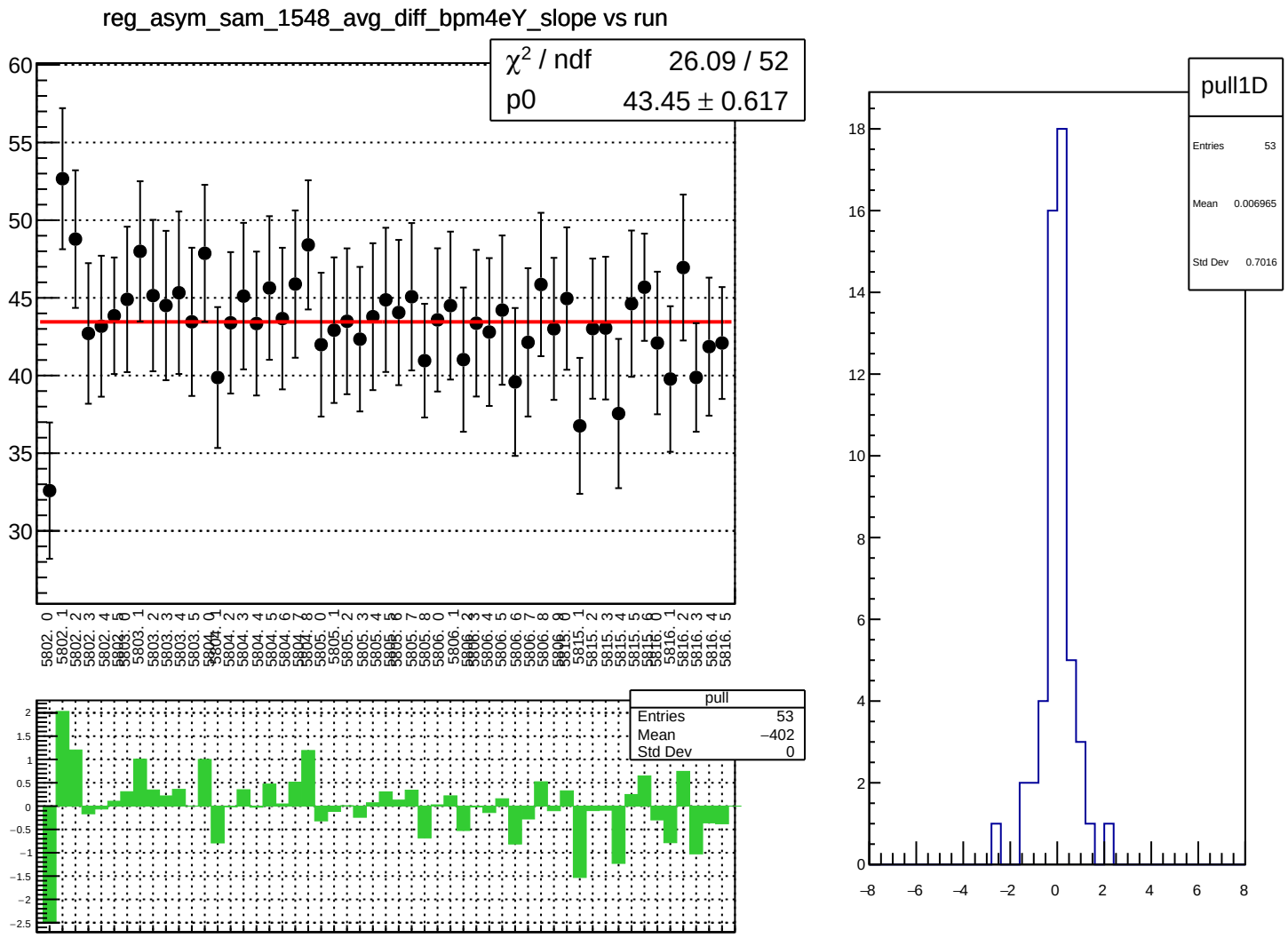

pull1D
Entries 53
Mean 0.003483
Std Dev 0.3036

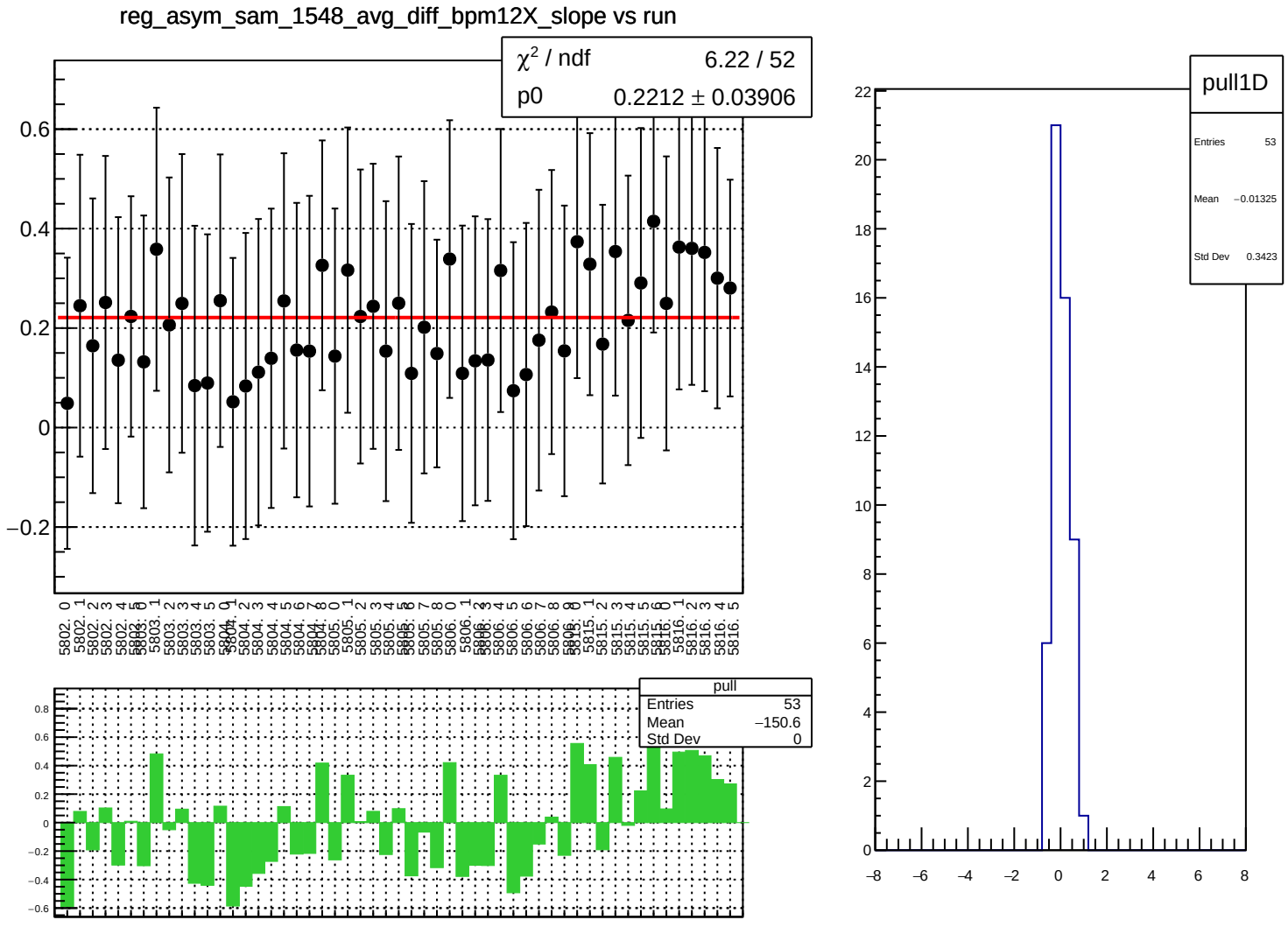

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 5.485 / 52
p0 3.795 ± 0.3412
pull
Entries 53
Mean −361.3
Std Dev 0

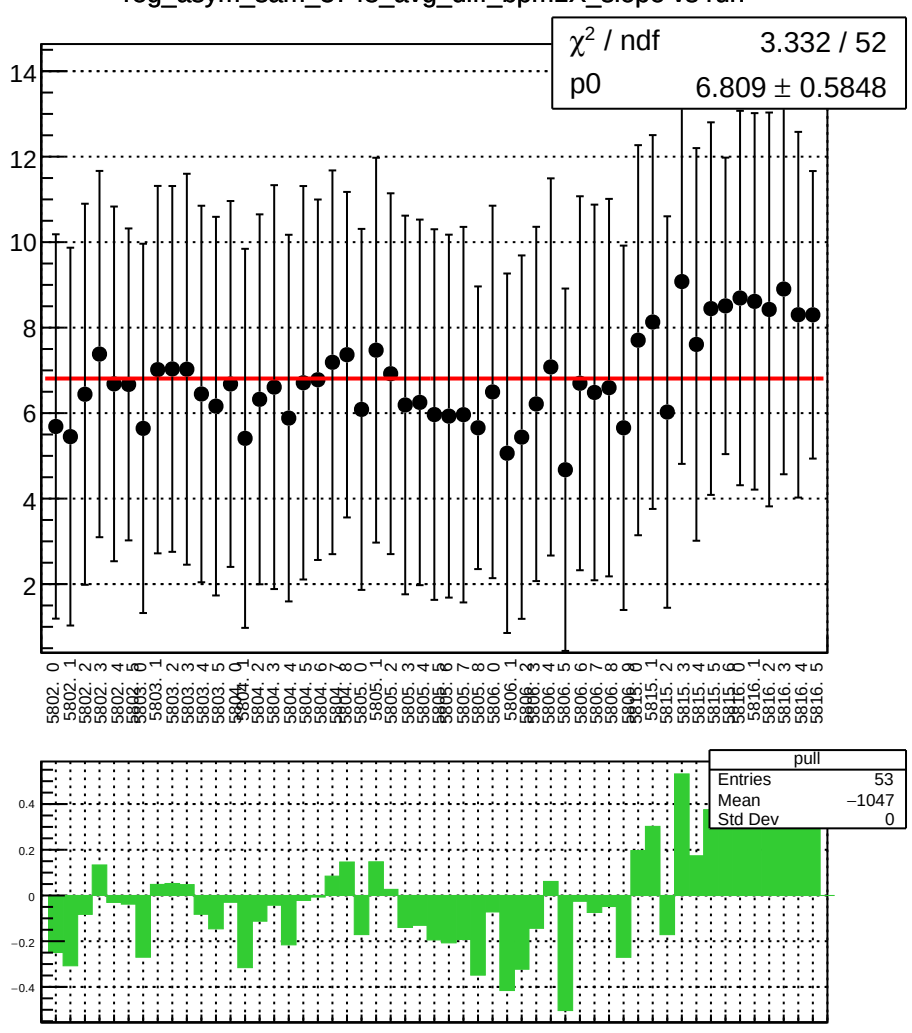

pull1D
Entries 53
Mean −0.006602
Std Dev 0.3216

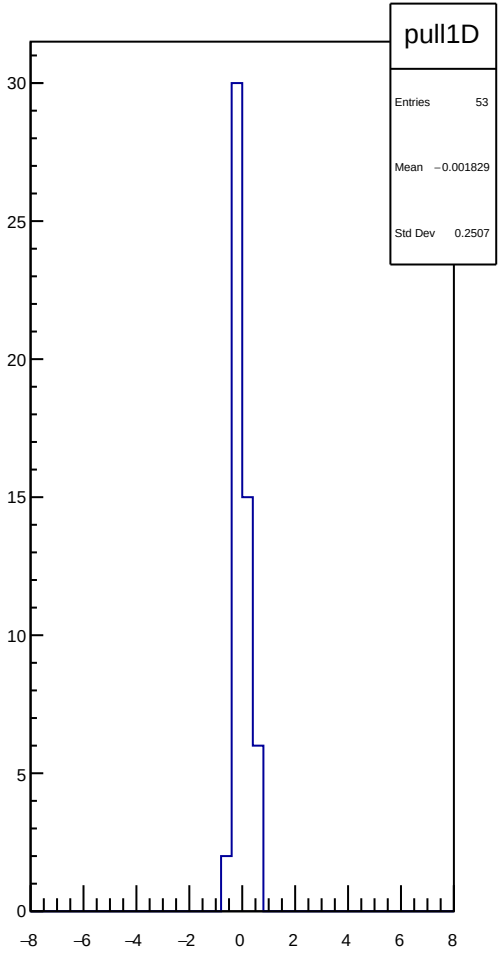

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.14 / 52
p0 −9.255 ± 0.565
pull
Entries 53
Mean 283
Std Dev 0
pull1D
Entries 53
Mean 0.006929
Std Dev 0.7286

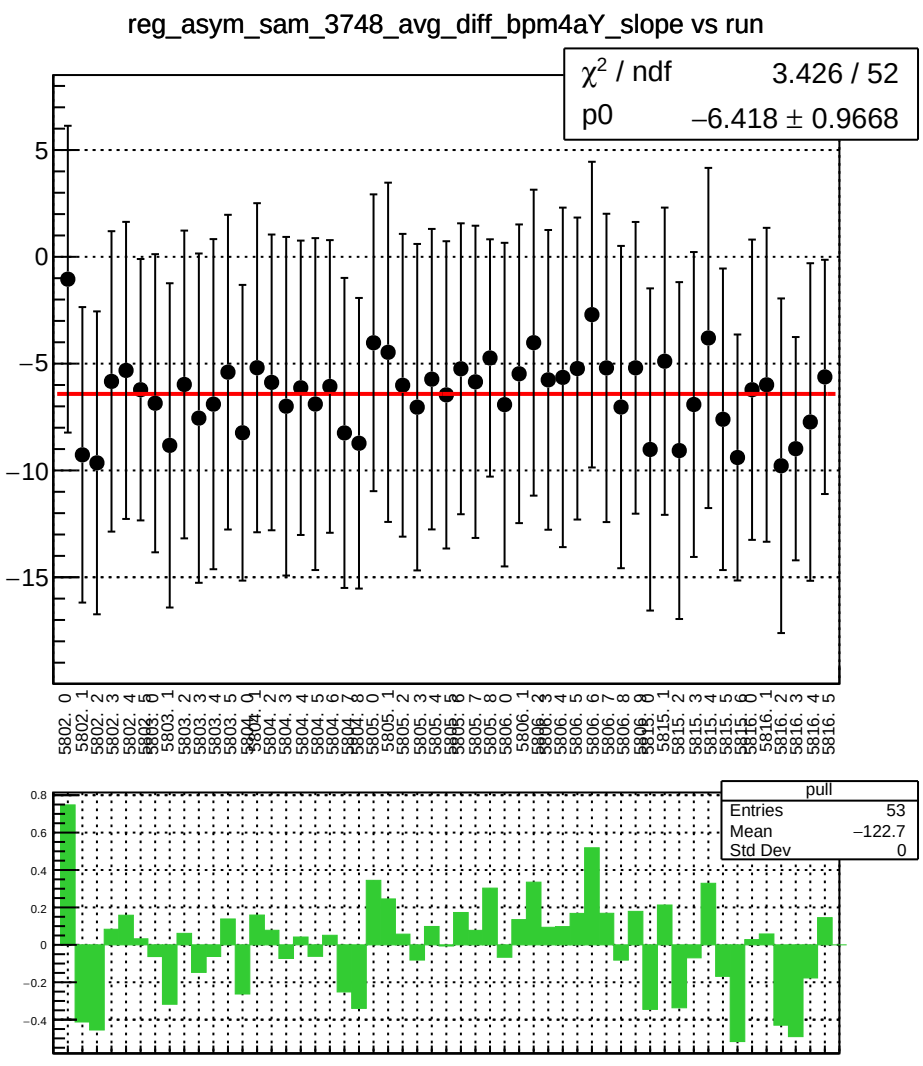

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.508 / 52
p0 −39.05 ± 0.4995
pull
Entries 53
Mean −210
Std Dev 0
pull1D
Entries 53
Mean 0.00482
Std Dev 0.2916

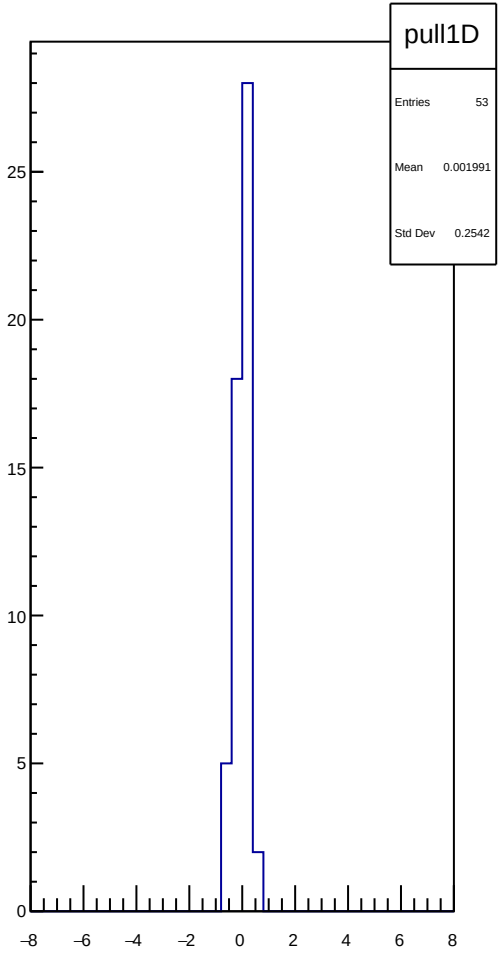

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.09 / 52
p0 43.45 ± 0.617
pull
Entries 53
Mean −402
Std Dev 0
pull1D
Entries 53
Mean 0.006965
Std Dev 0.7016

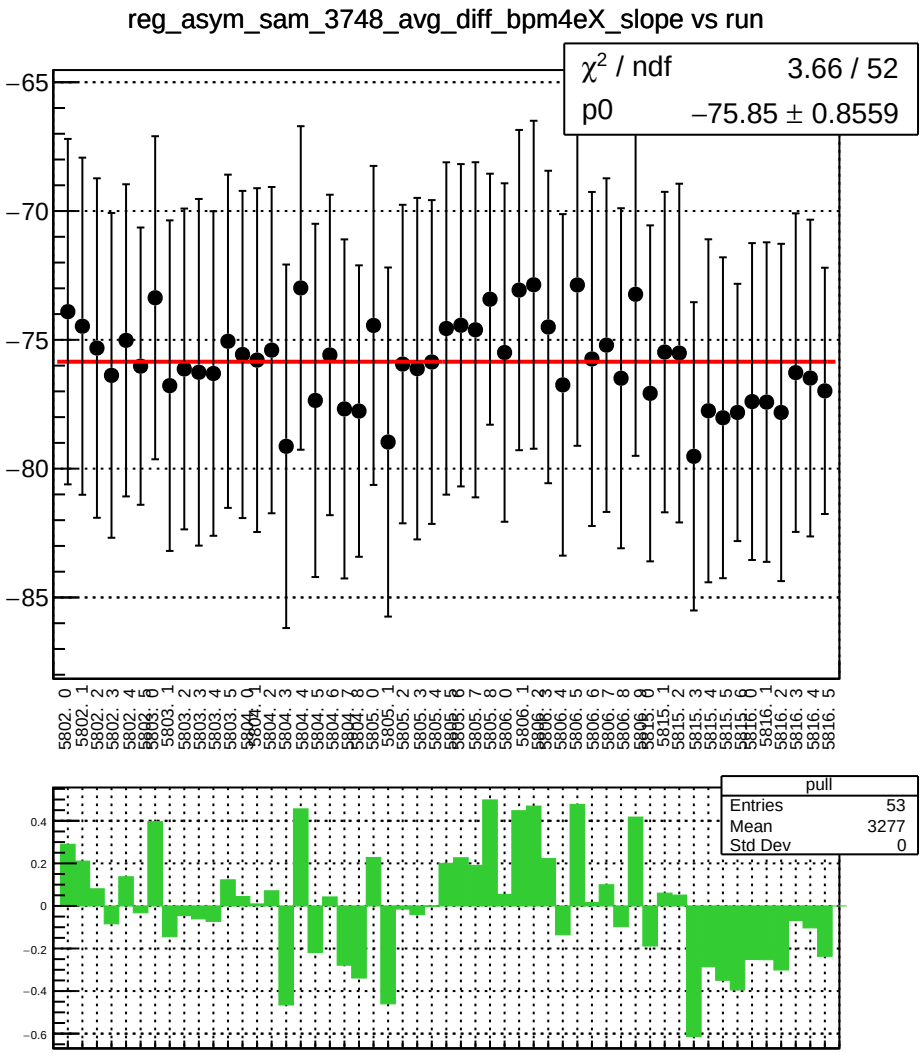

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.22 / 52
p0 0.2212 ± 0.03906
pull
Entries 53
Mean −150.6
Std Dev 0
pull1D
Entries 53
Mean −0.01325
Std Dev 0.3423

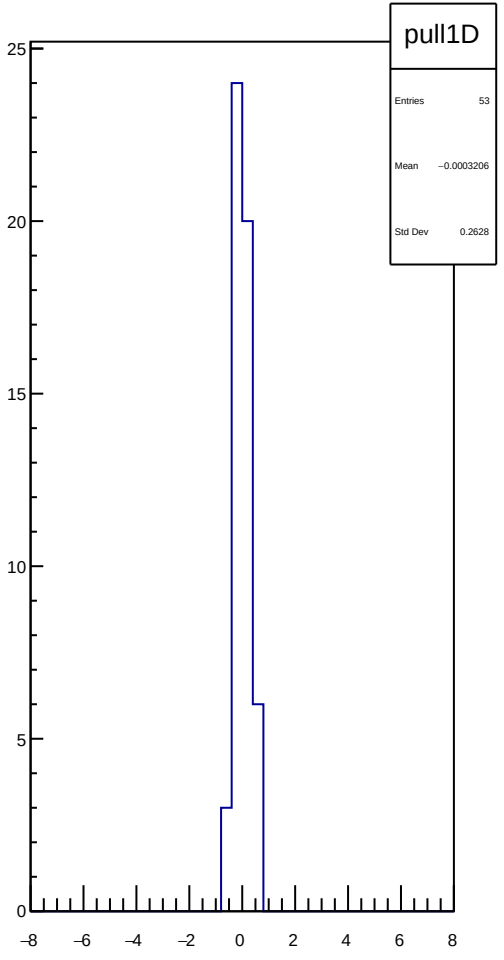

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.332 / 52
p0 6.809 ± 0.5848
pull
Entries 53
Mean −1047
Std Dev 0

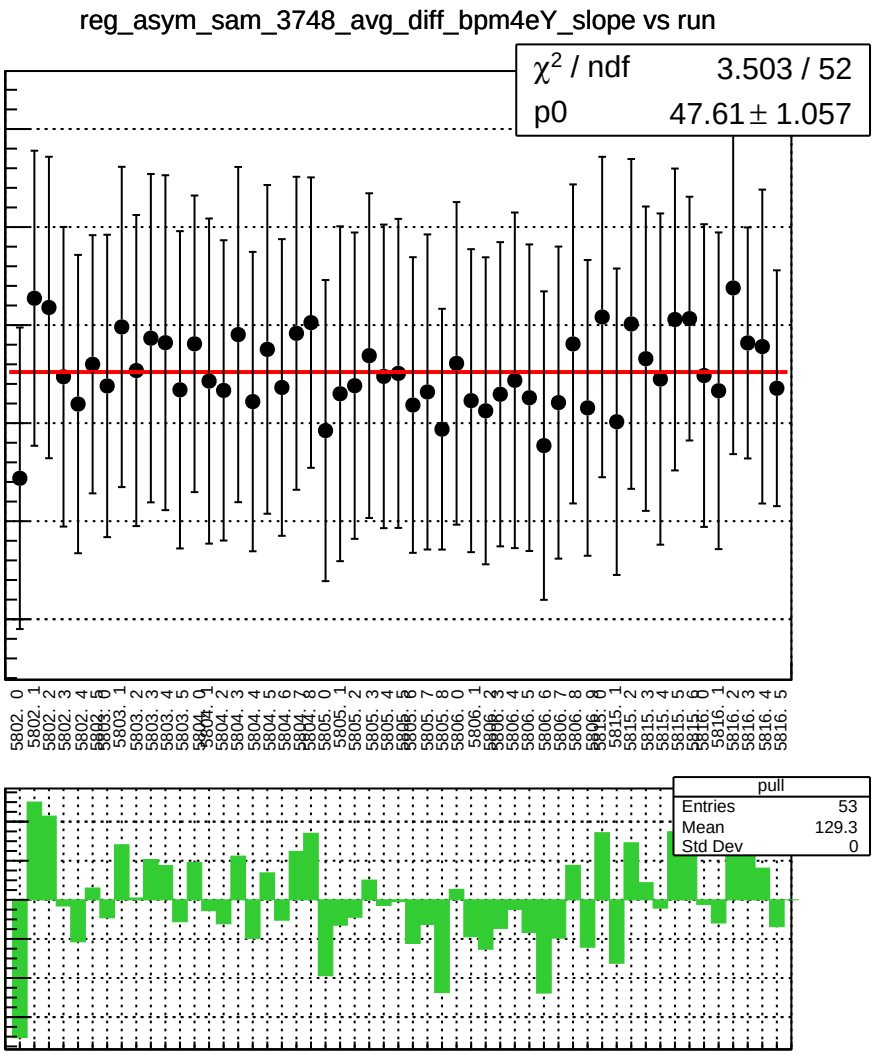

pull1D
Entries 53
Mean −0.001829
Std Dev 0.2507

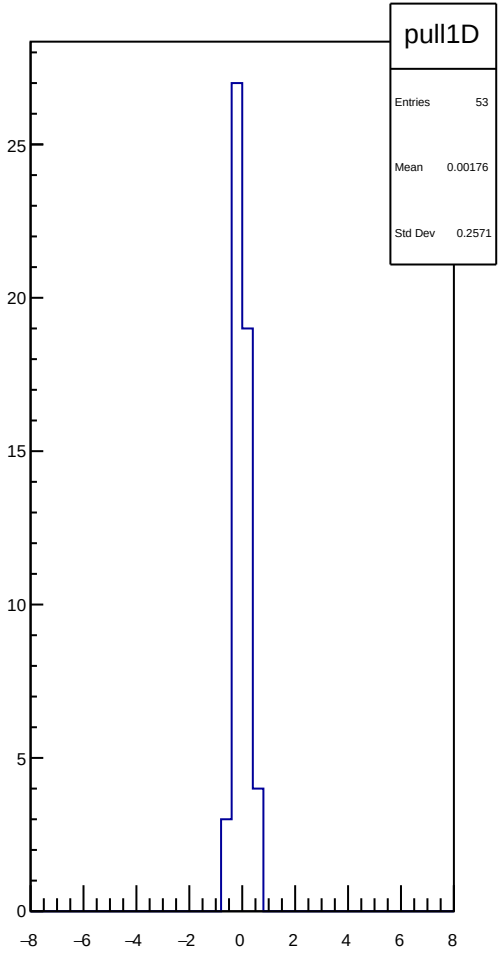

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.426 / 52
p0 −6.418 ± 0.9668
pull
Entries 53
Mean −122.7
Std Dev 0

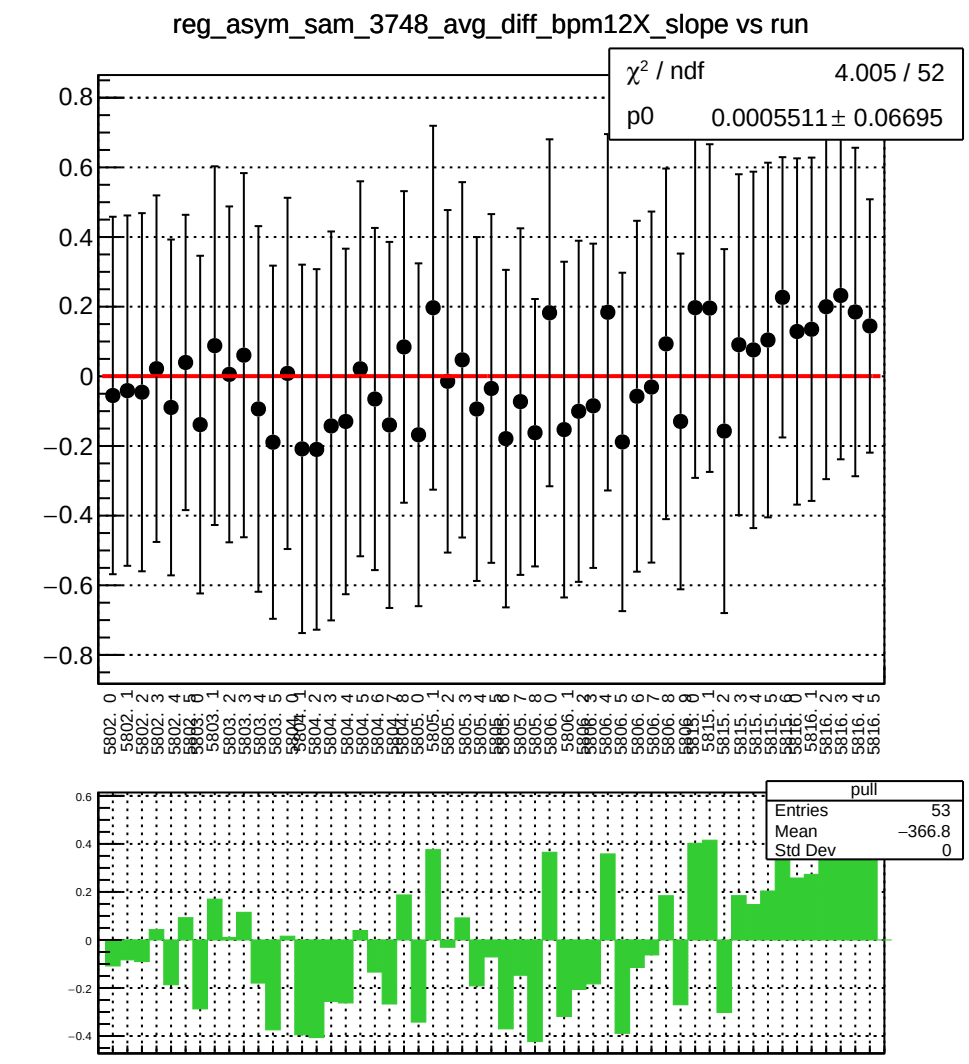

pull1D
Entries 53
Mean 0.001991
Std Dev 0.2542

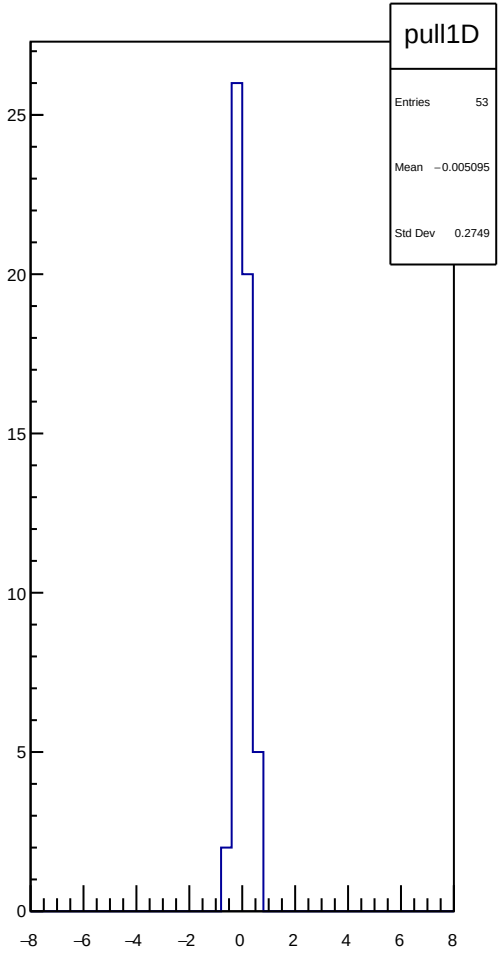

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.66 / 52
p0 −75.85 ± 0.8559
pull
Entries 53
Mean 3277
Std Dev 0

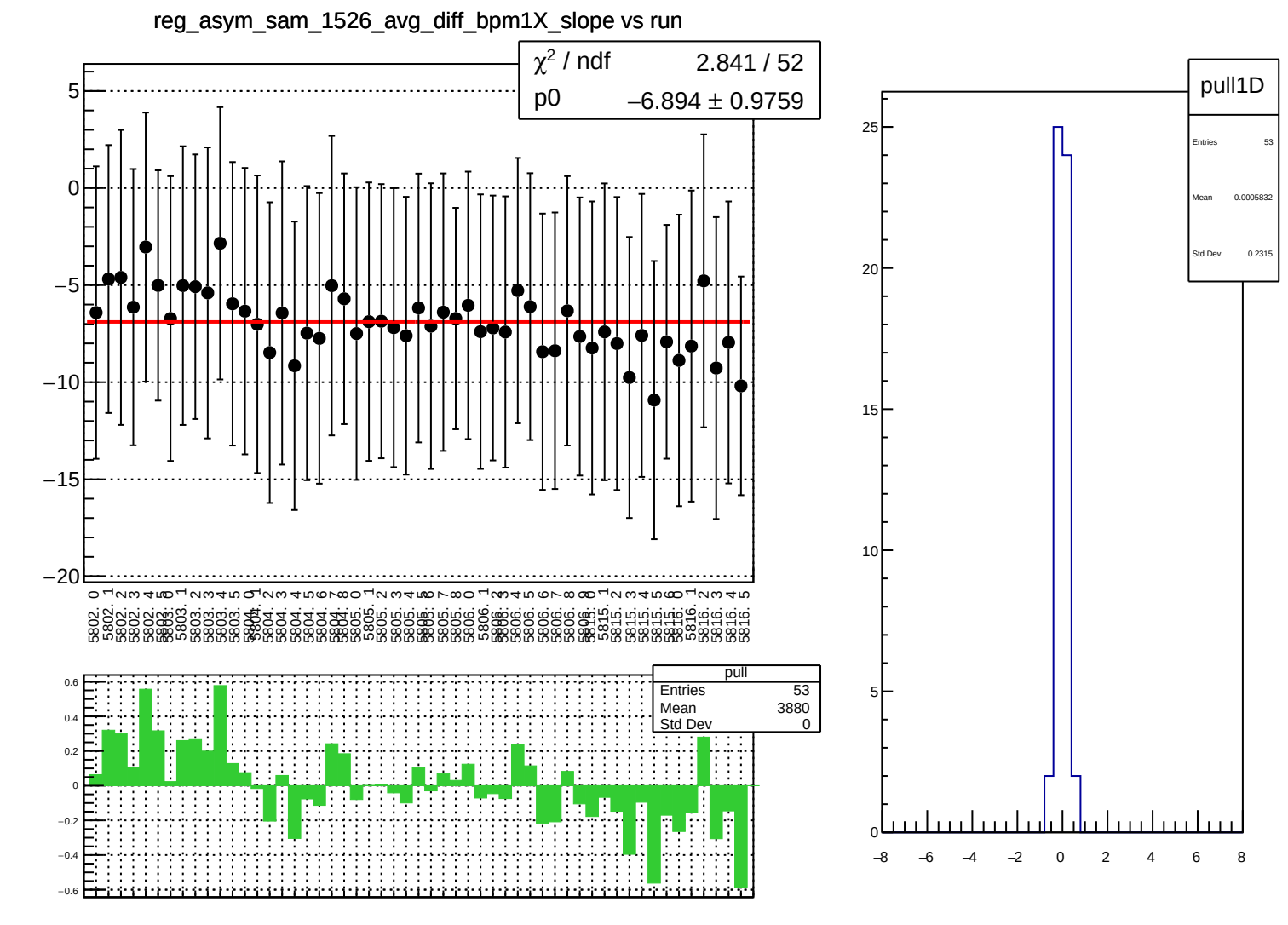

pull1D
Entries 53
Mean −0.0003206
Std Dev 0.2628

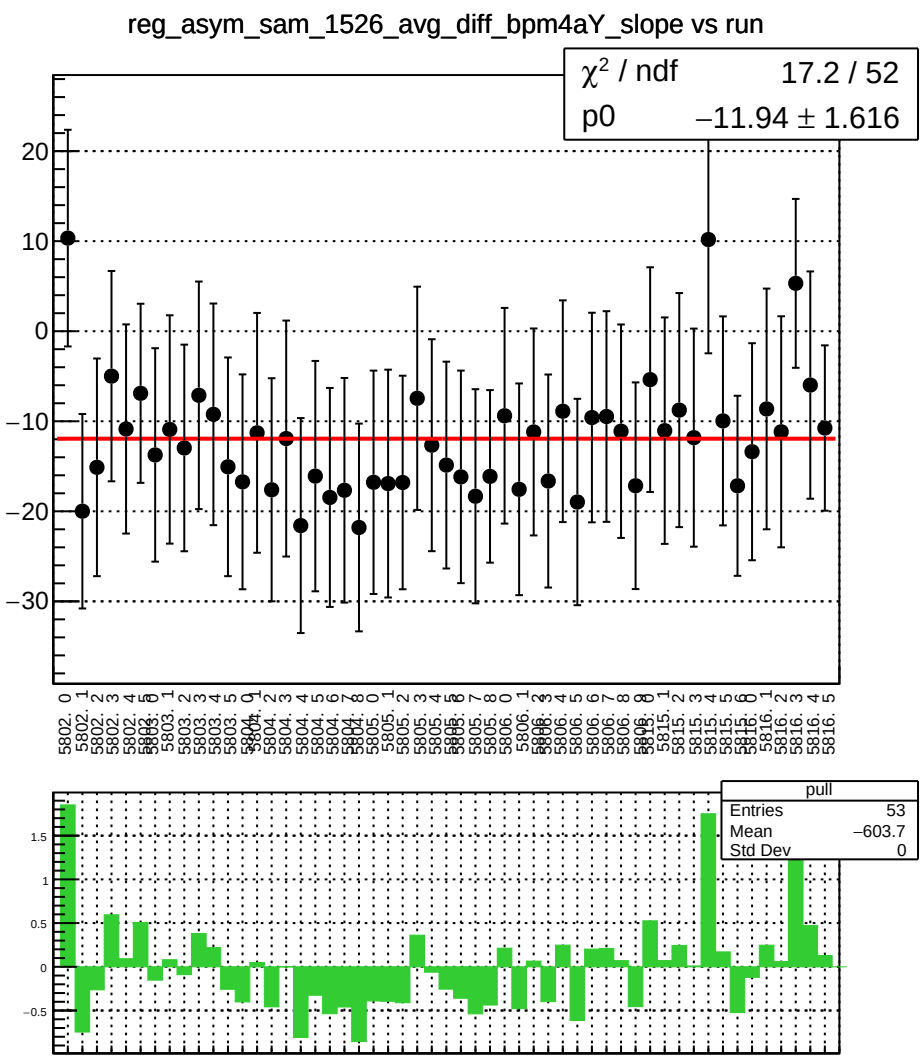

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.503 / 52
p0 47.61 ± 1.057
pull
Entries 53
Mean 129.3
Std Dev 0

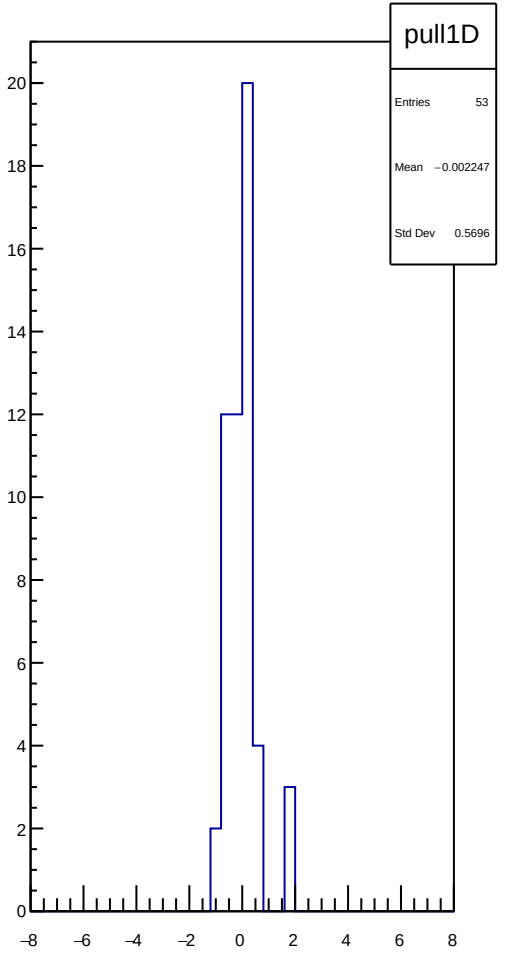

pull1D
Entries 53
Mean 0.00176
Std Dev 0.2571

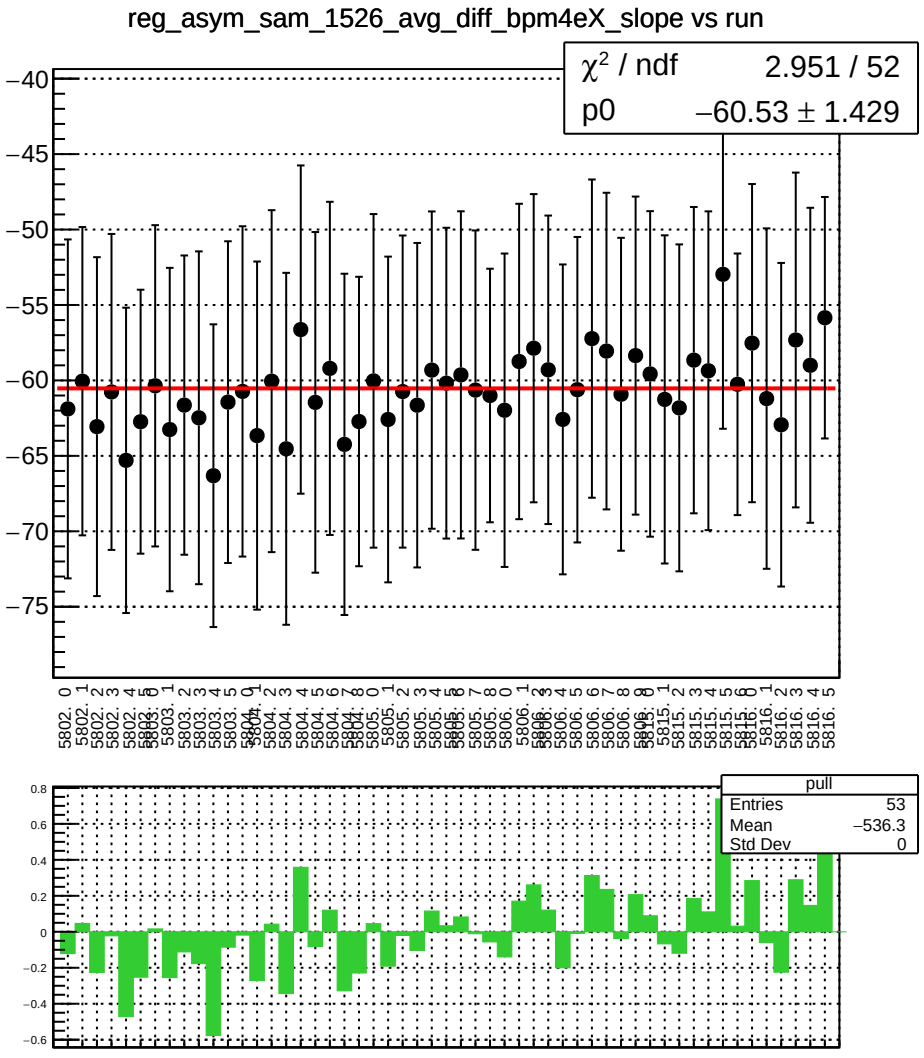

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.005 / 52
p0 0.0005511 ± 0.06695
pull
Entries 53
Mean −366.8
Std Dev 0

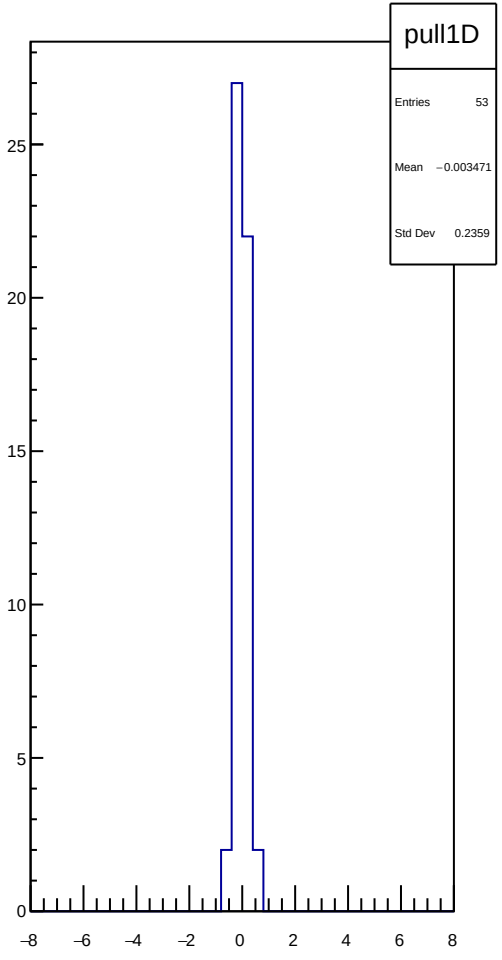

pull1D
Entries 53
Mean −0.005095
Std Dev 0.2749

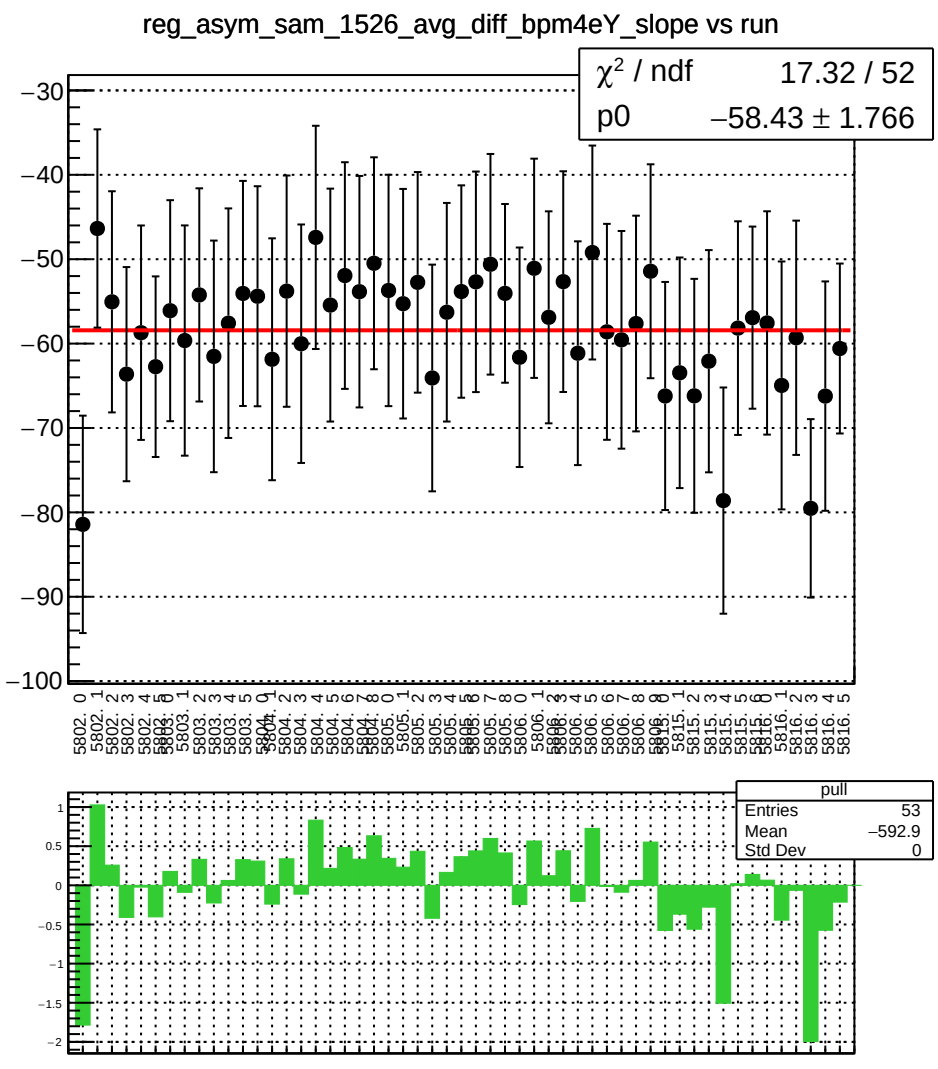

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 2.841 / 52
p0 −6.894 ± 0.9759
pull
Entries 53
Mean 3880
Std Dev 0
pull1D
Entries 53
Mean −0.0005832
Std Dev 0.2315

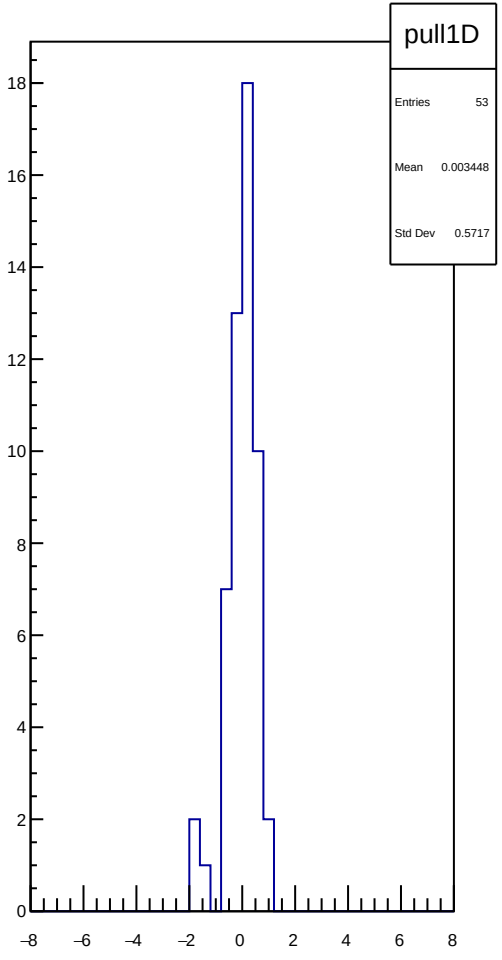

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.2 / 52
p0 −11.94 ± 1.616
pull
Entries 53
Mean −603.7
Std Dev 0

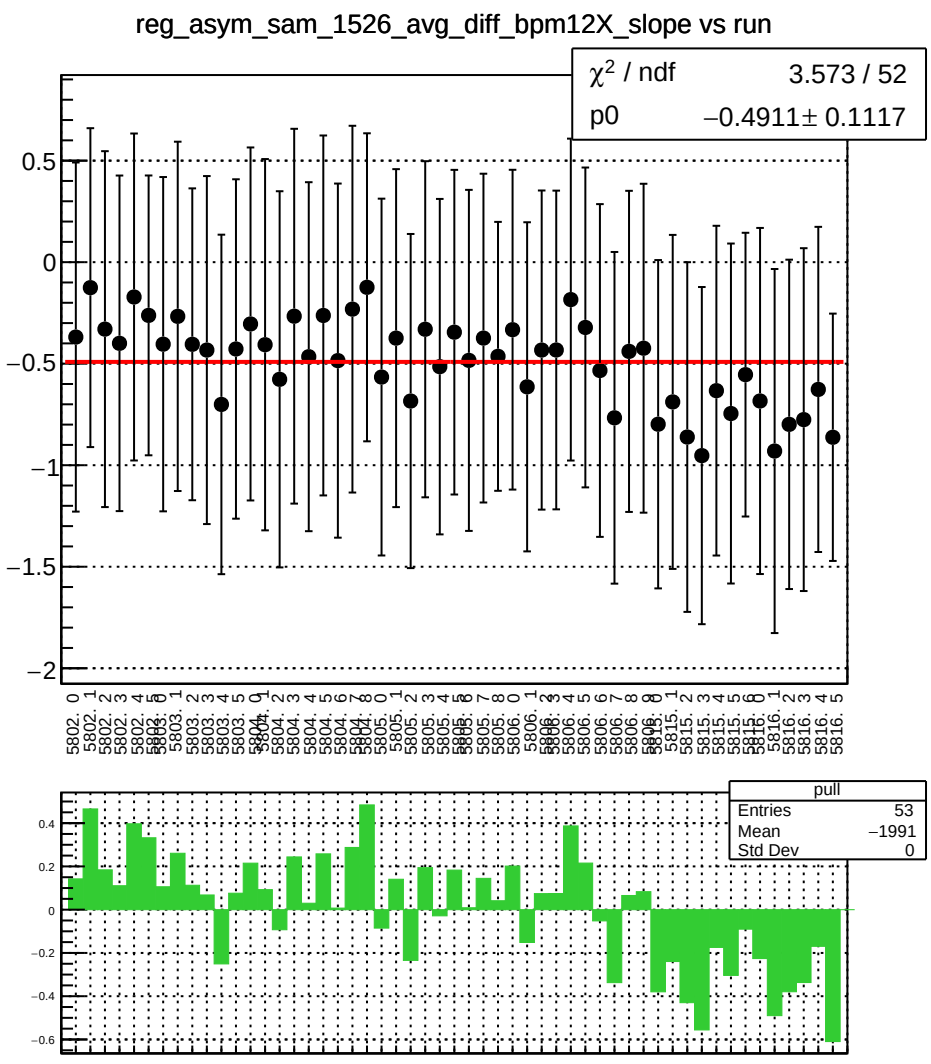

pull1D
Entries 53
Mean −0.002247
Std Dev 0.5696

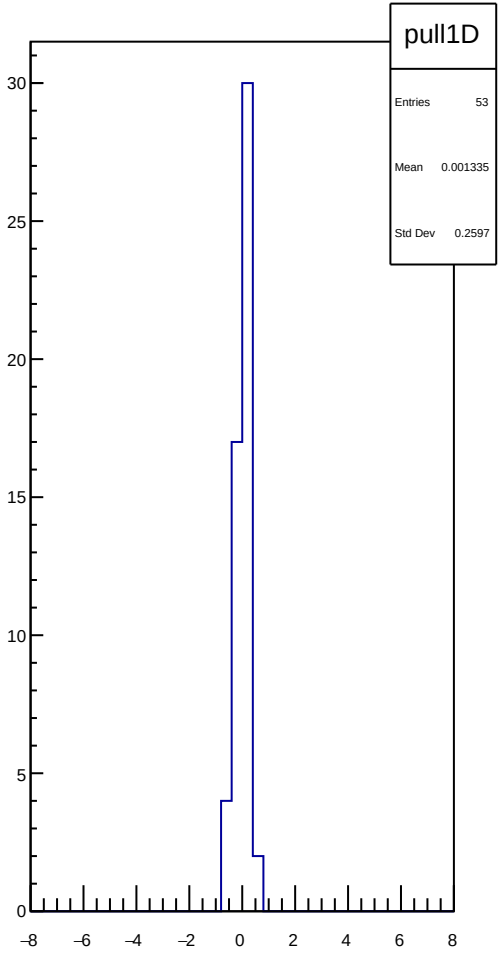

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.951 / 52
p0 −60.53 ± 1.429
pull
Entries 53
Mean −536.3
Std Dev 0

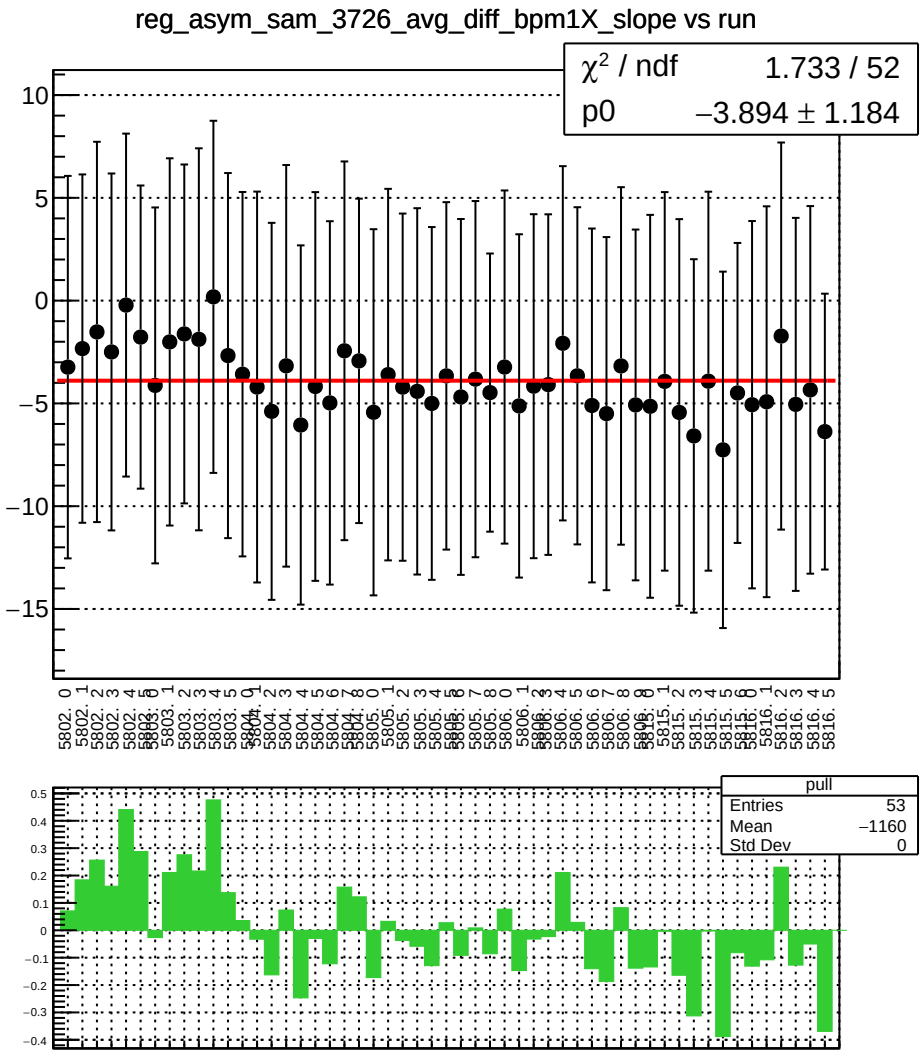

pull1D
Entries 53
Mean −0.003471
Std Dev 0.2359

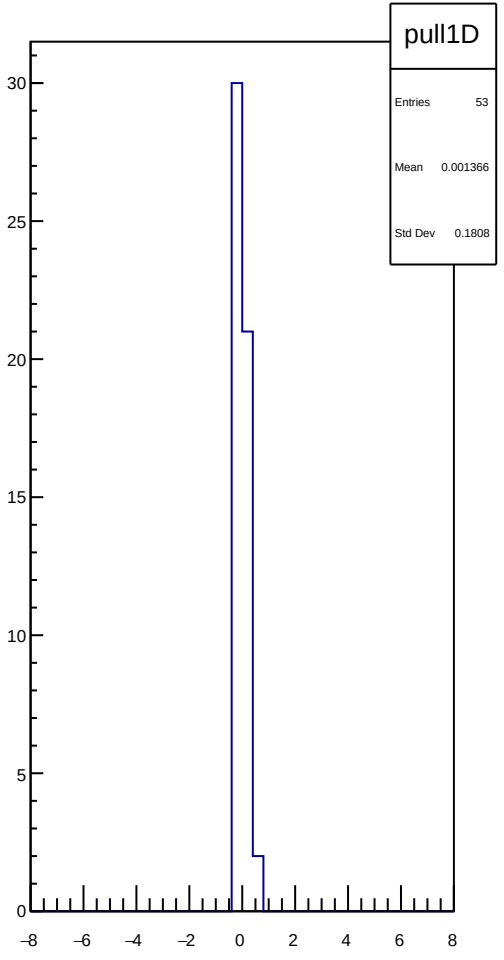

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.32 / 52
p0 −58.43 ± 1.766
pull
Entries 53
Mean −592.9
Std Dev 0

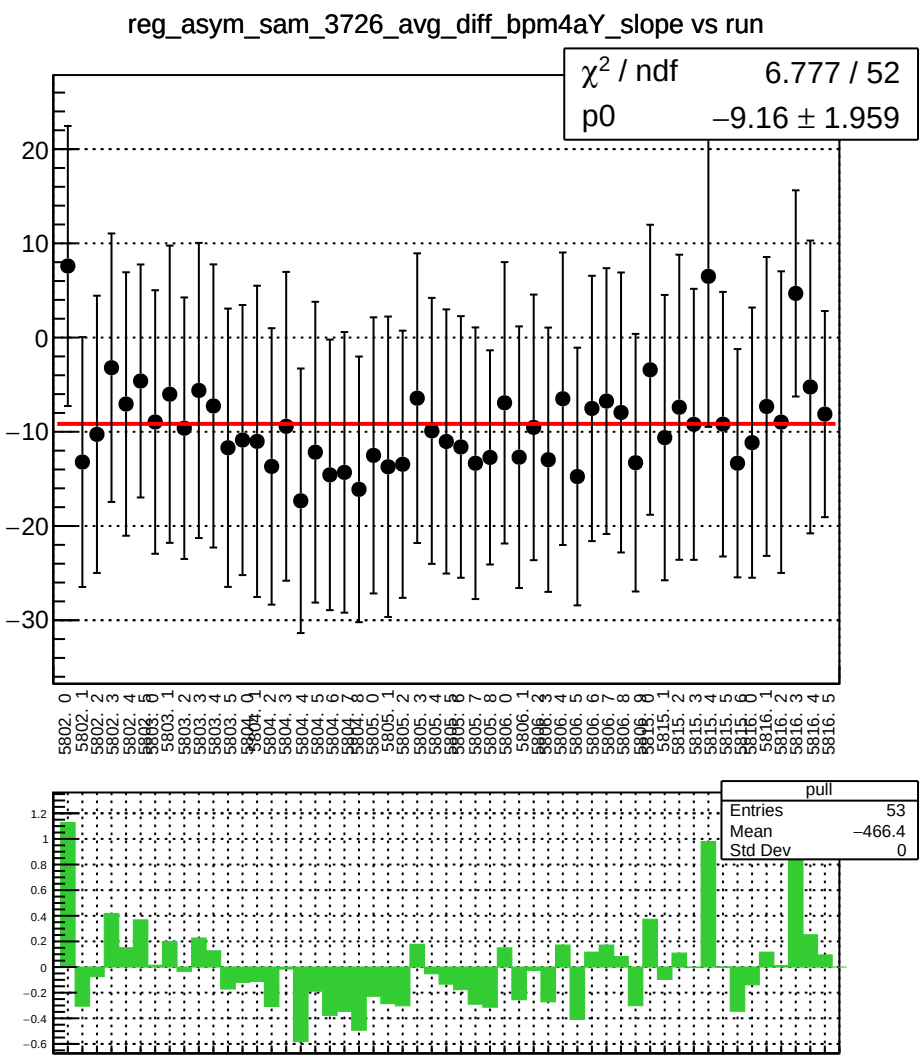

pull1D
Entries 53
Mean 0.003448
Std Dev 0.5717

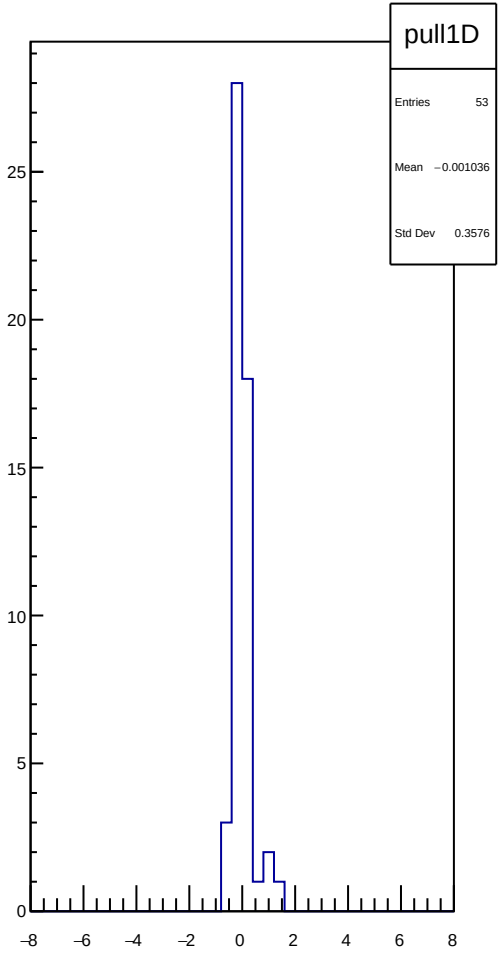

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.573 / 52
p0 −0.4911± 0.1117
pull
Entries 53
Mean −1991
Std Dev 0

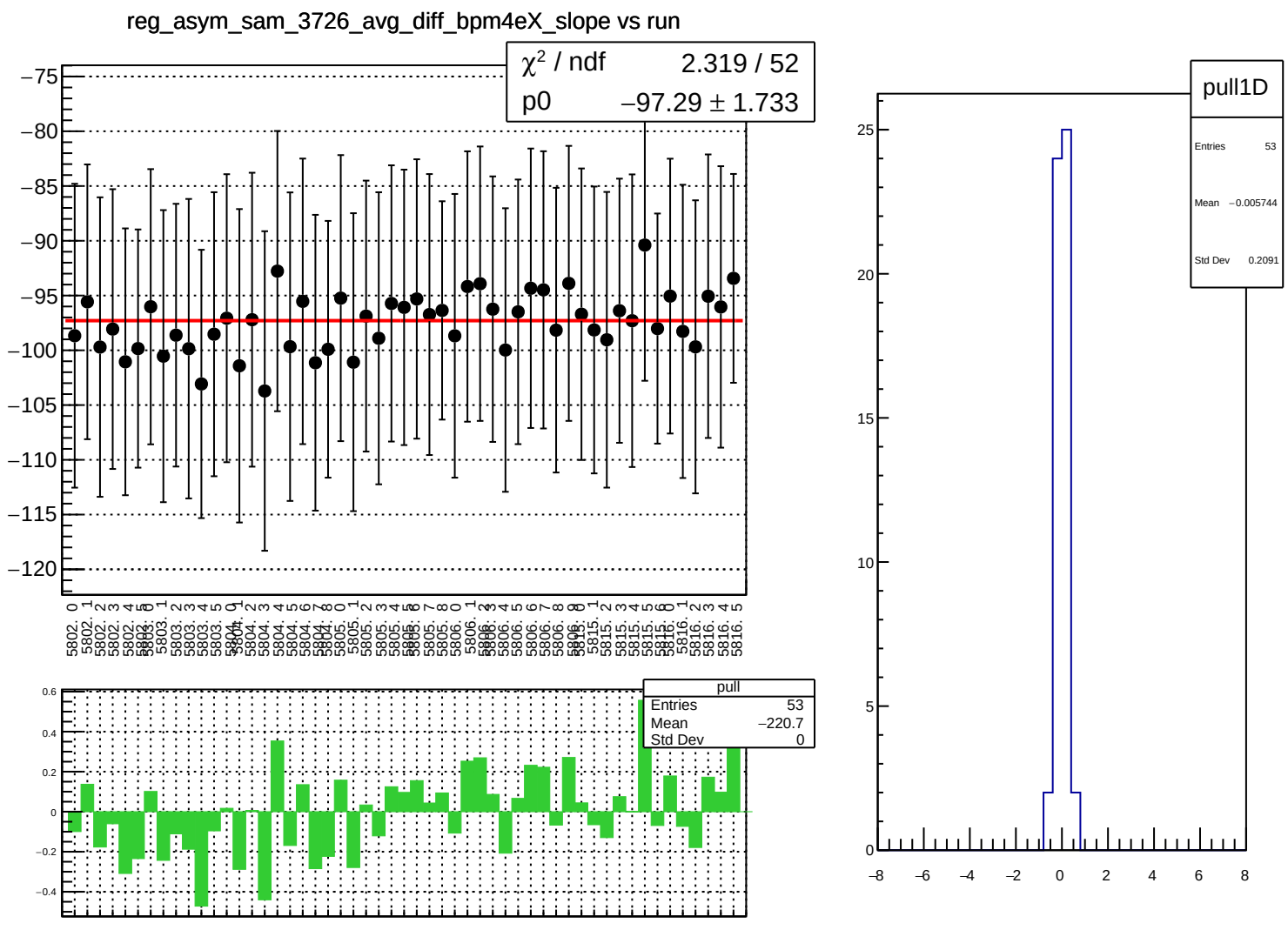

pull1D
Entries 53
Mean 0.001335
Std Dev 0.2597

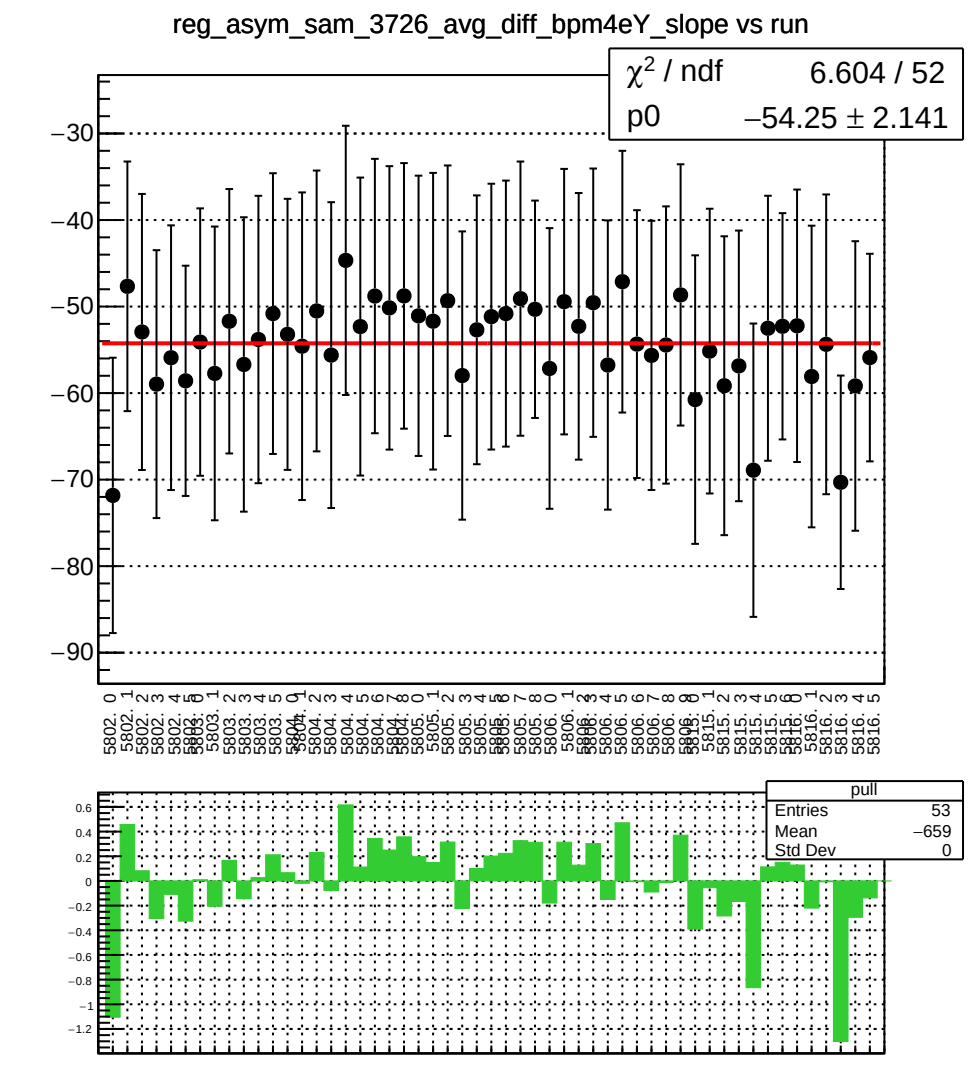

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 1.733 / 52
p0 −3.894 ± 1.184
pull
Entries 53
Mean −1160
Std Dev 0

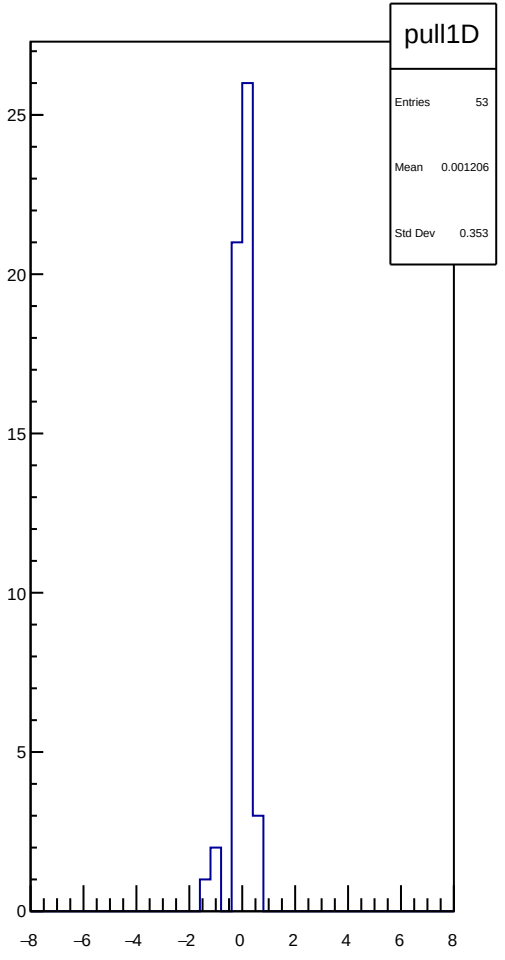

pull1D
Entries 53
Mean 0.001366
Std Dev 0.1808

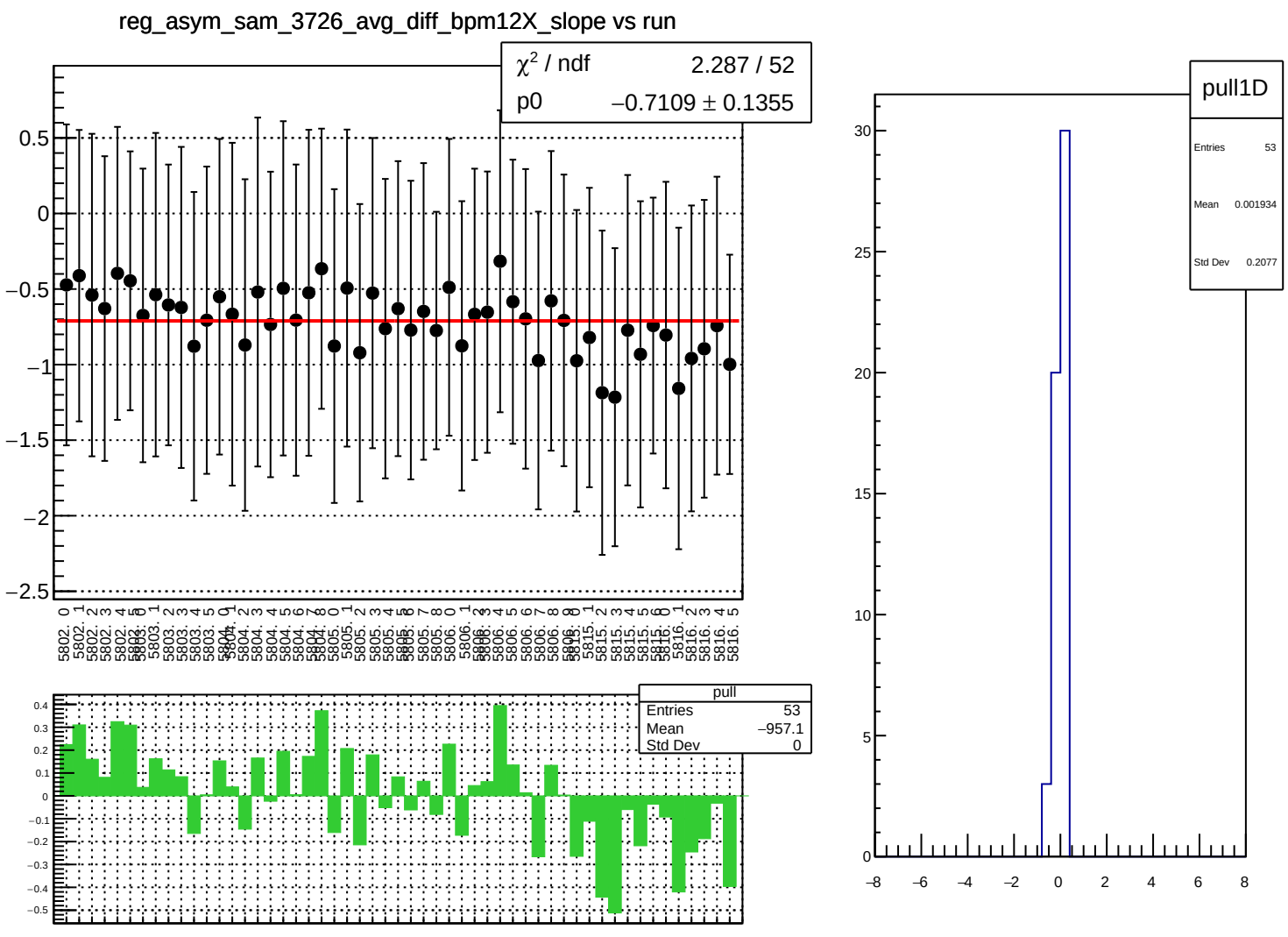

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.777 / 52
p0 −9.16 ± 1.959
pull
Entries 53
Mean −466.4
Std Dev 0

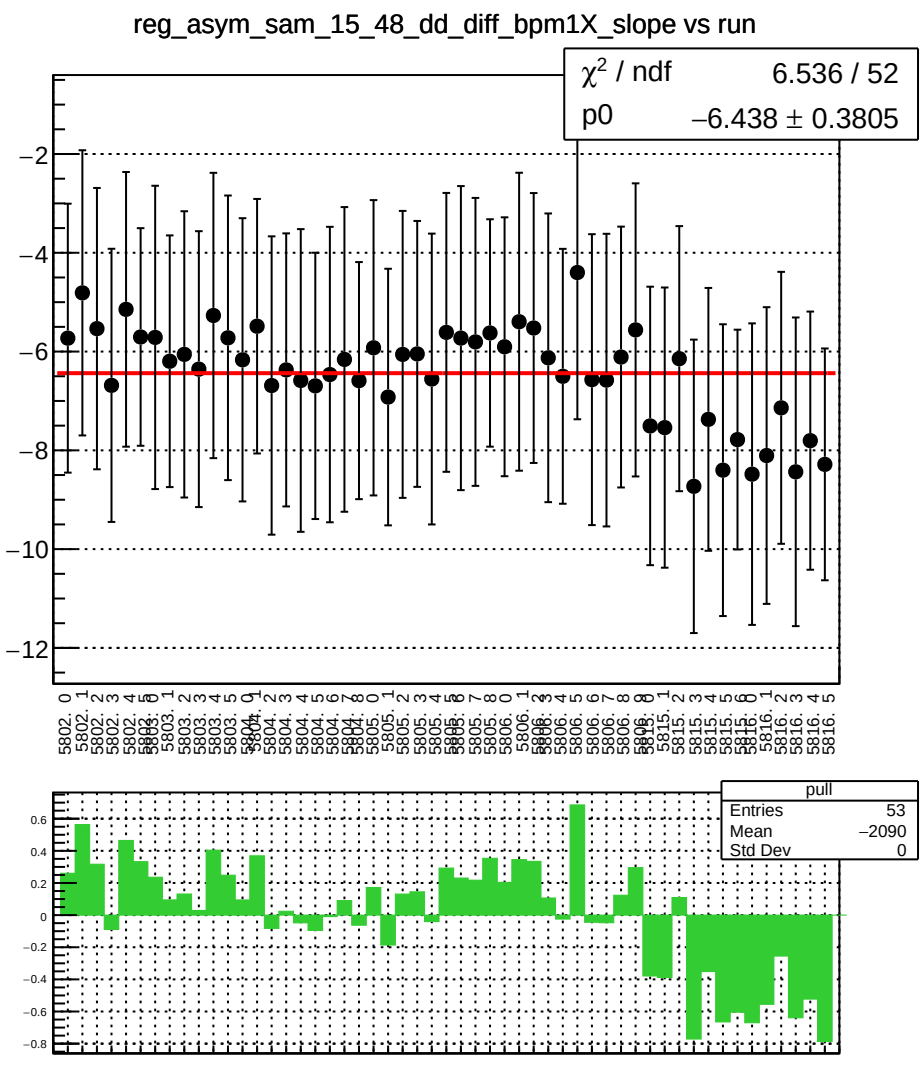

pull1D
Entries 53
Mean −0.001036
Std Dev 0.3576

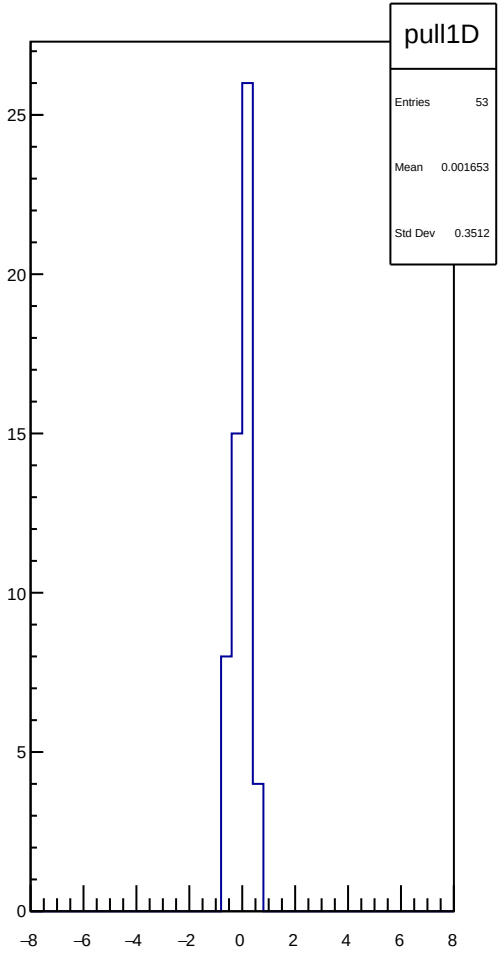

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.319 / 52
p0 −97.29 ± 1.733
pull
Entries 53
Mean −220.7
Std Dev 0
pull1D
Entries 53
Mean −0.005744
Std Dev 0.2091

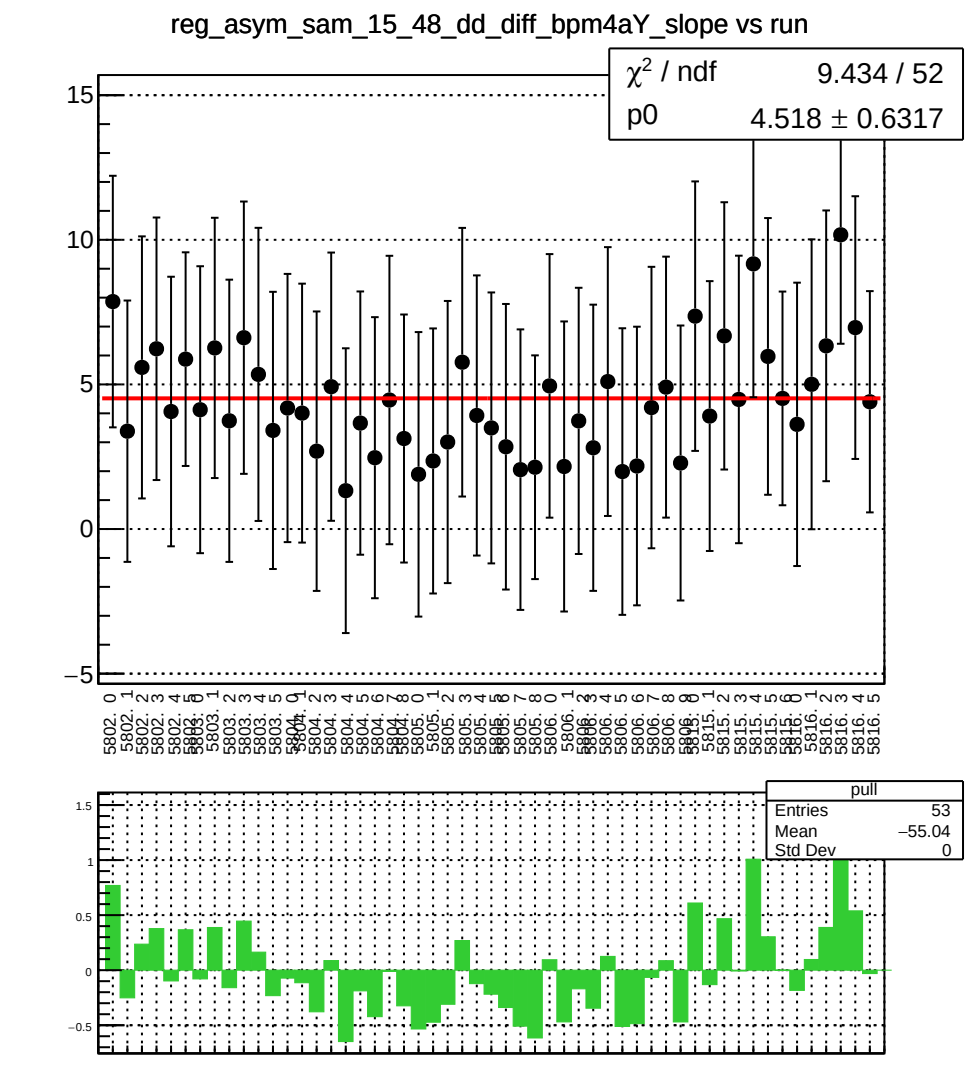

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.604 / 52
p0 −54.25 ± 2.141
pull
Entries 53
Mean −659
Std Dev 0

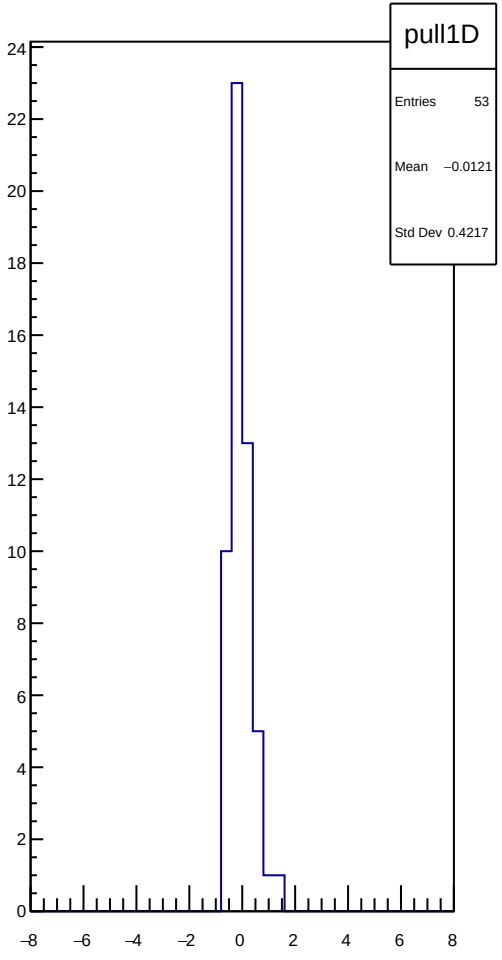

pull1D
Entries 53
Mean 0.001206
Std Dev 0.353

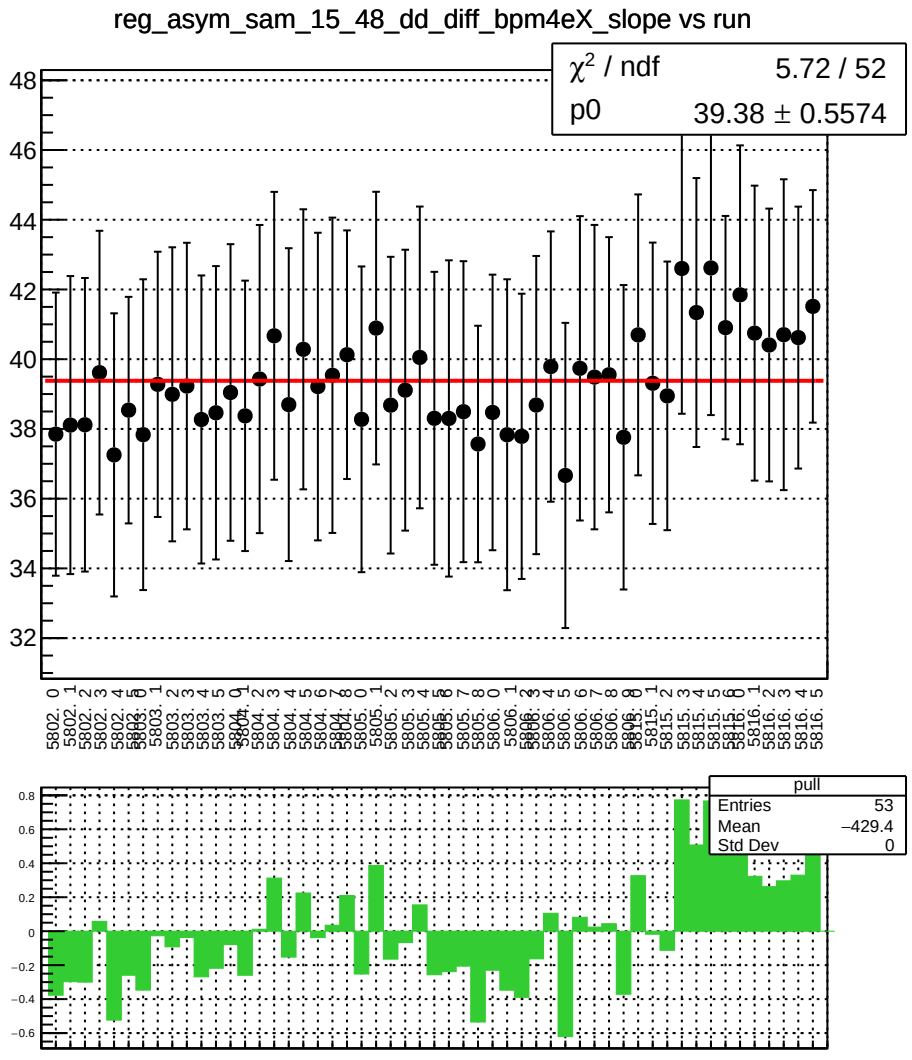

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.287 / 52
p0 −0.7109 ± 0.1355
pull
Entries 53
Mean −957.1
Std Dev 0
pull1D
Entries 53
Mean 0.001934
Std Dev 0.2077

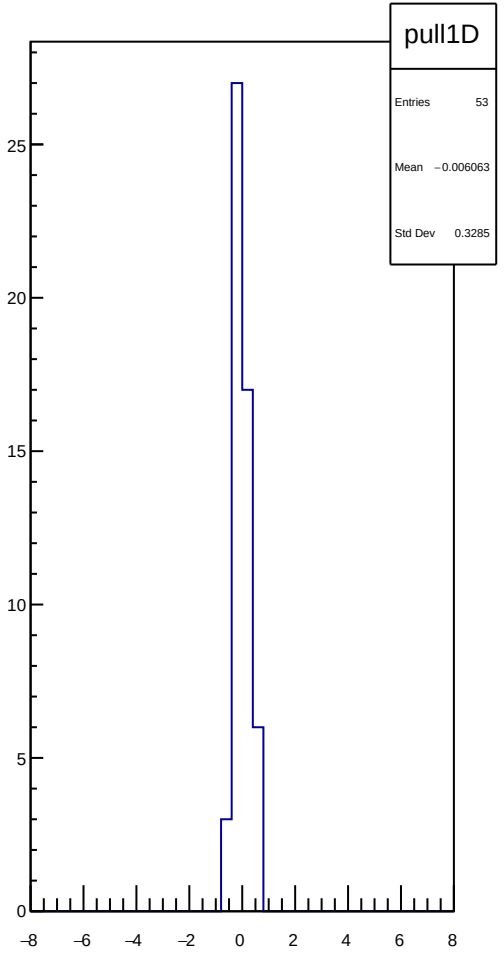

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.536 / 52
p0 −6.438 ± 0.3805
pull
Entries 53
Mean −2090
Std Dev 0

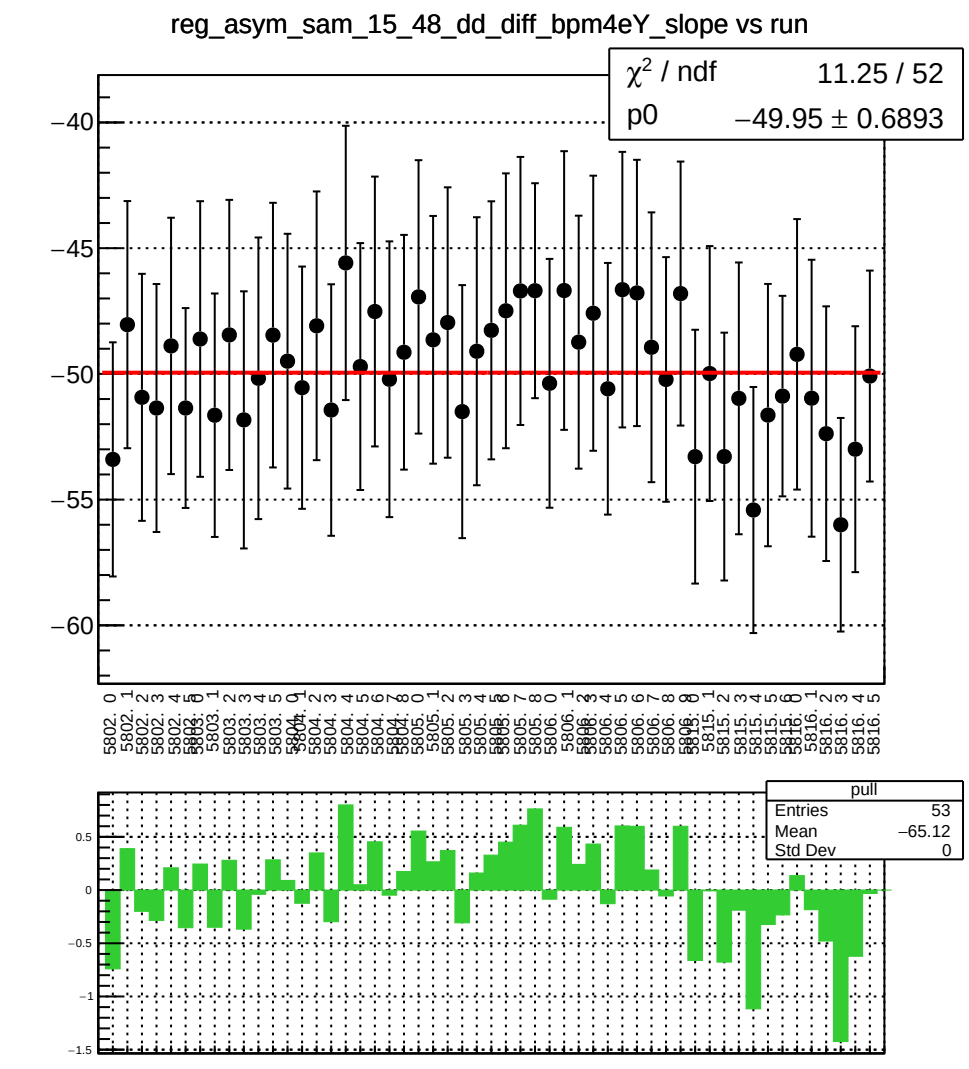

pull1D
Entries 53
Mean 0.001653
Std Dev 0.3512

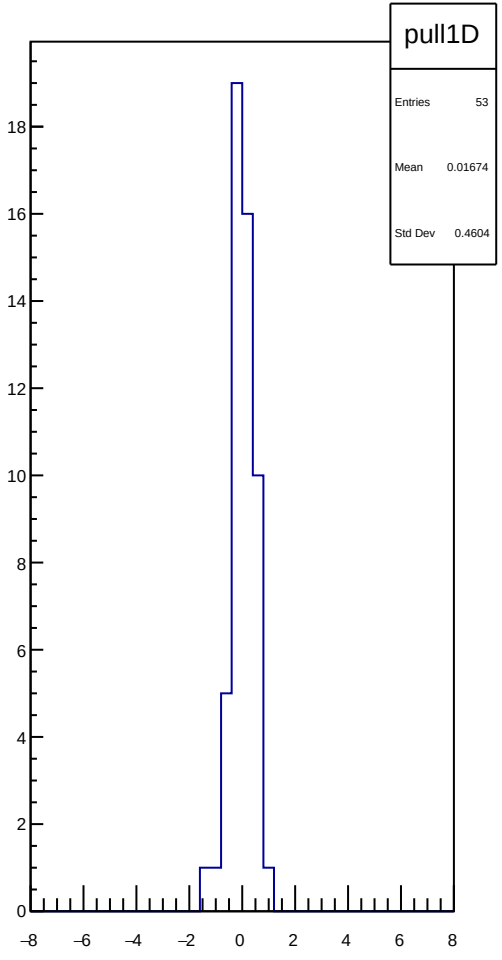

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.434 / 52
p0 4.518 ± 0.6317
pull
Entries 53
Mean −55.04
Std Dev 0

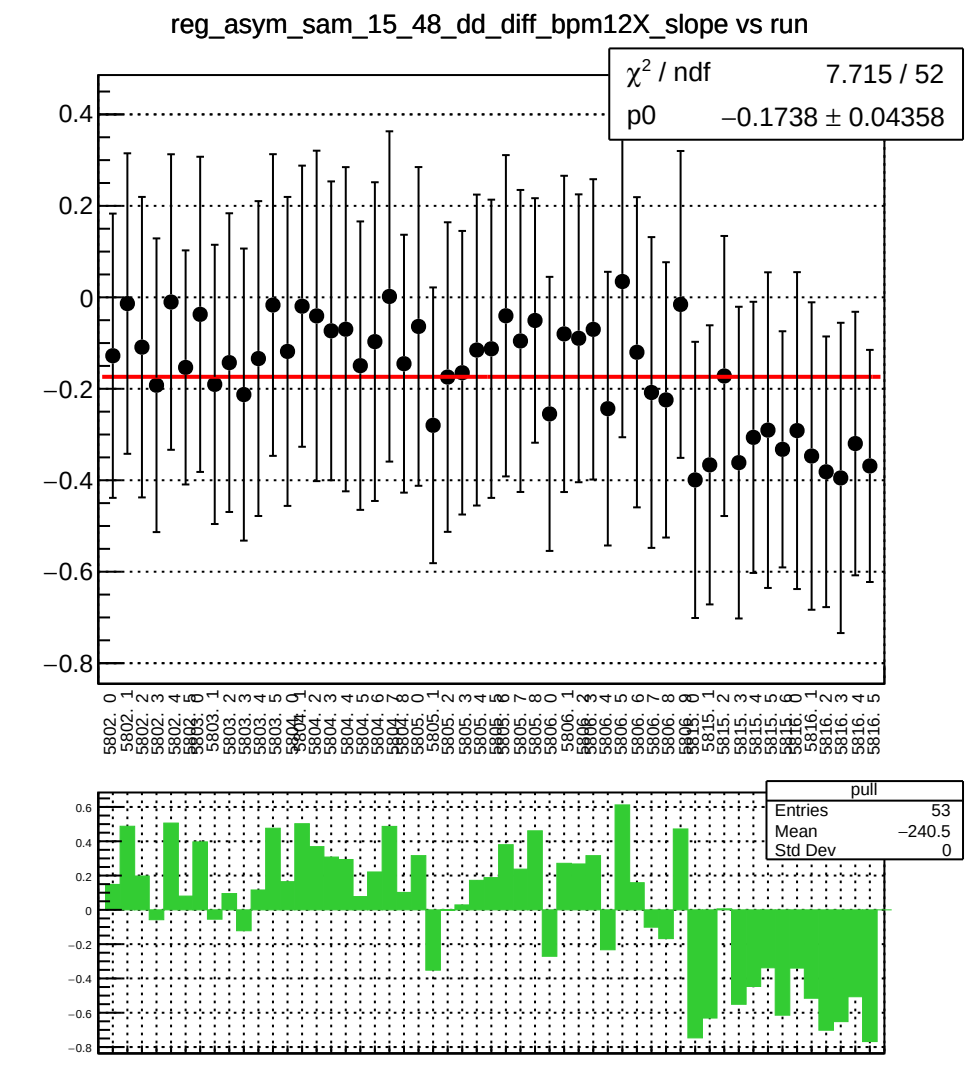

pull1D
Entries 53
Mean −0.0121
Std Dev 0.4217

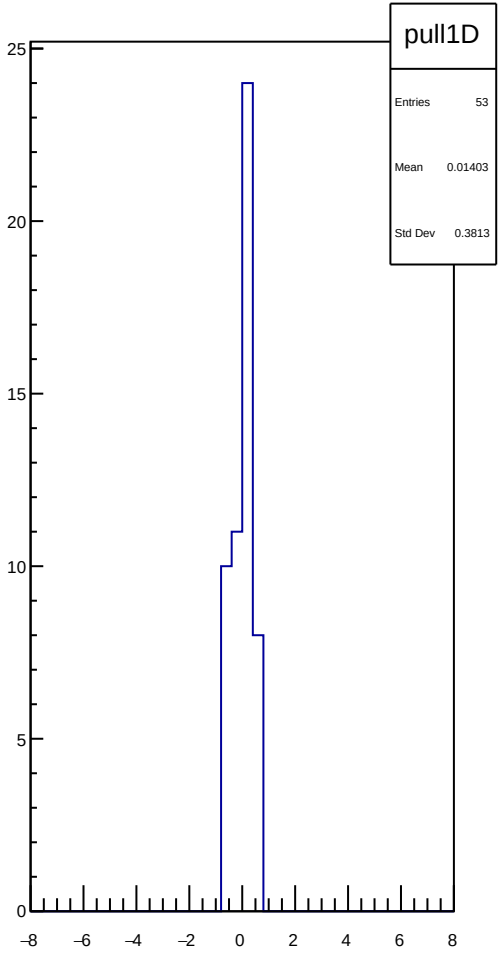

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.72 / 52
p0 39.38 ± 0.5574
pull
Entries 53
Mean −429.4
Std Dev 0

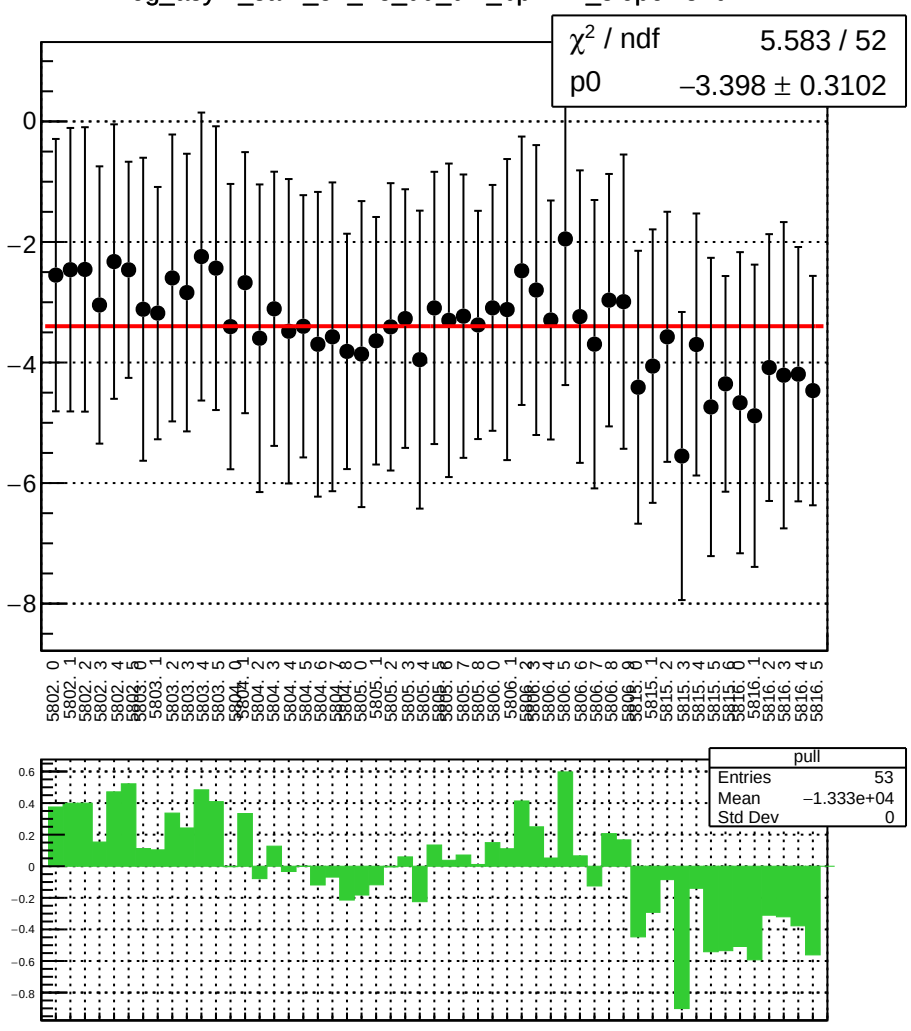

pull1D
Entries 53
Mean −0.006063
Std Dev 0.3285

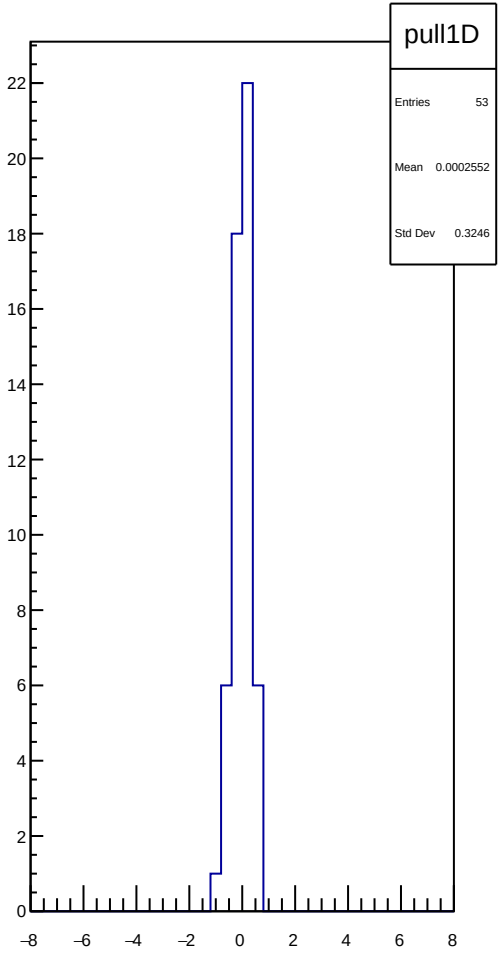

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.25 / 52
p0 −49.95 ± 0.6893
pull
Entries 53
Mean −65.12
Std Dev 0

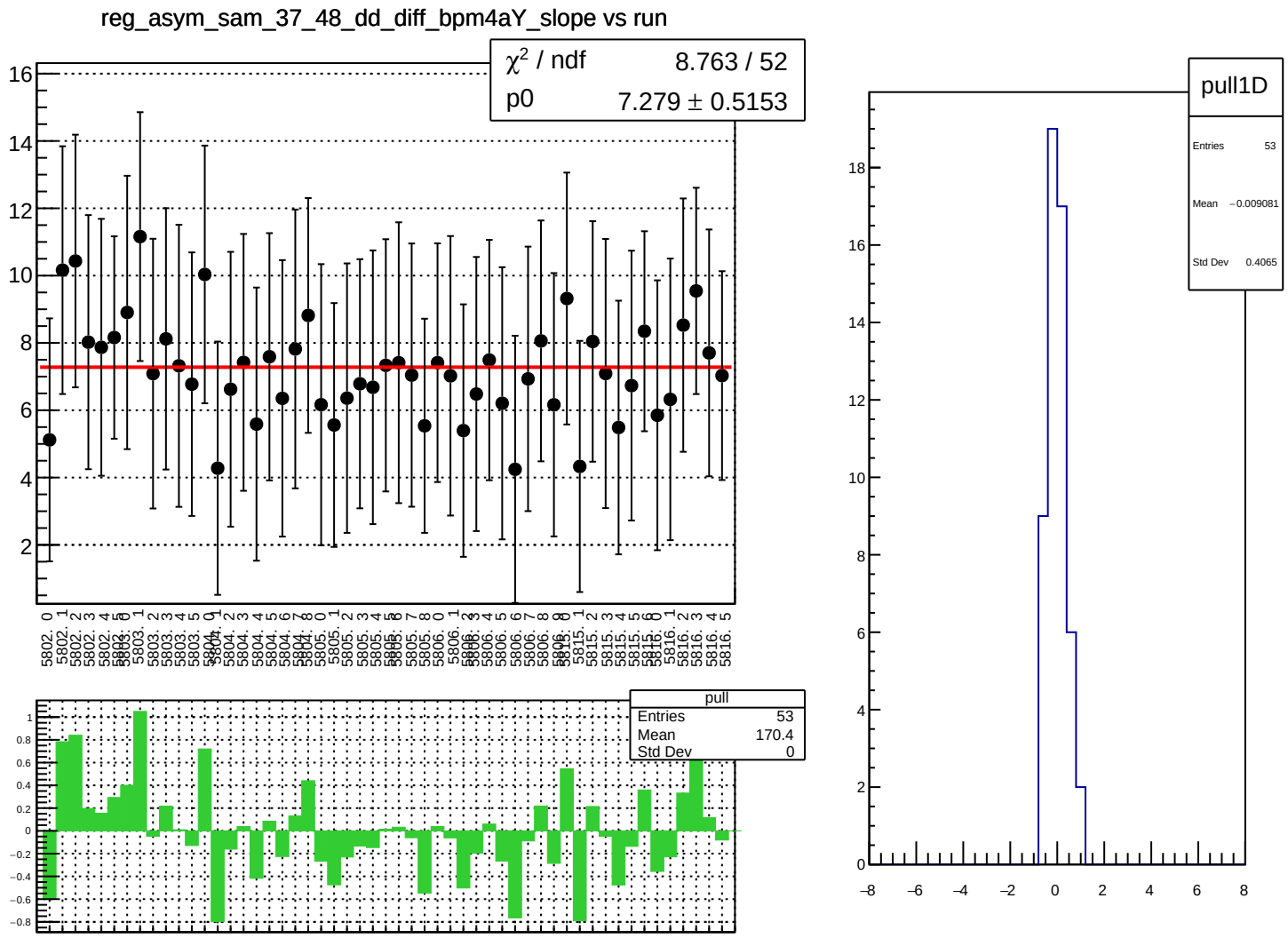

pull1D
Entries 53
Mean 0.01674
Std Dev 0.4604

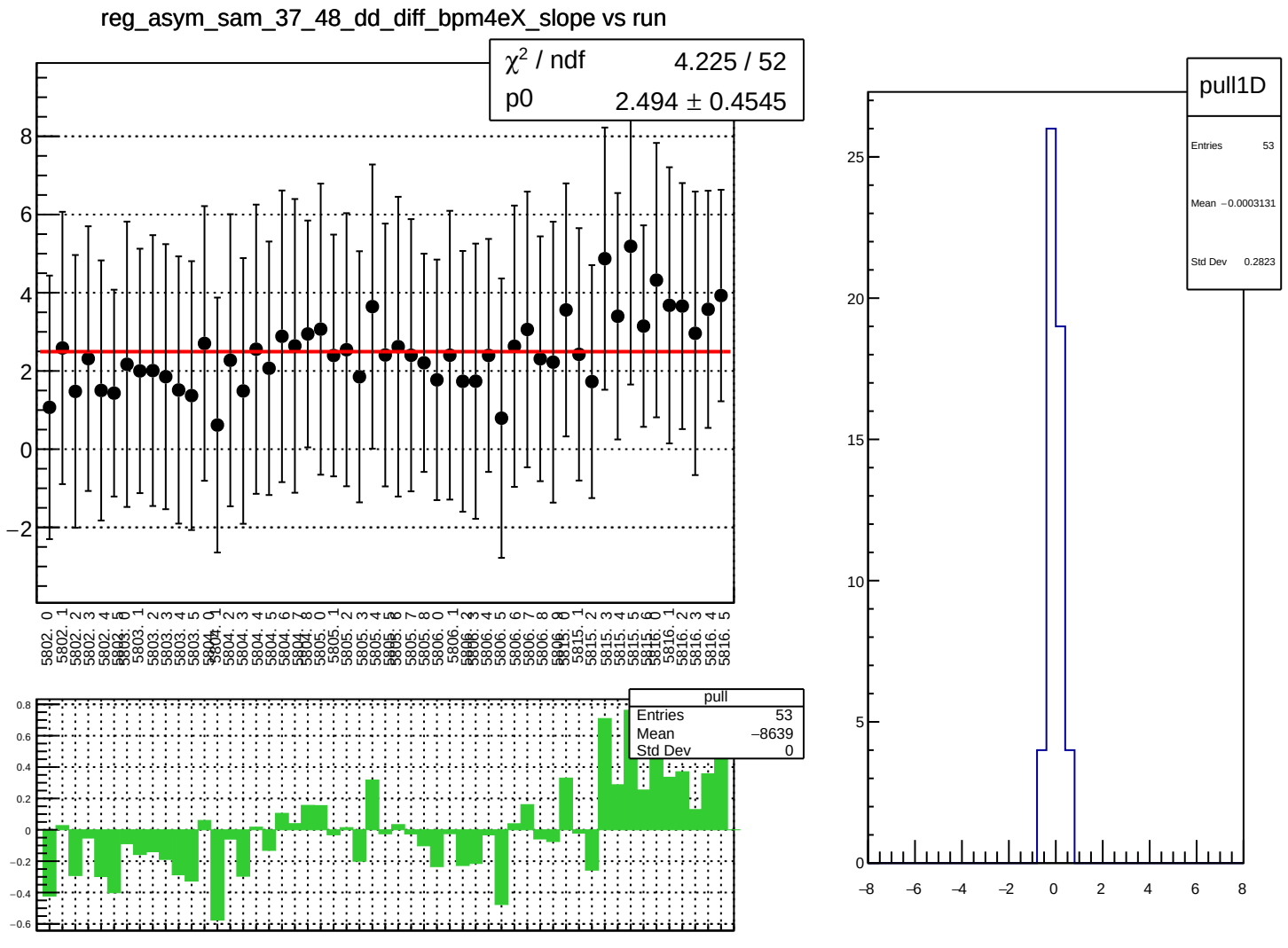

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.715 / 52
p0 −0.1738 ± 0.04358
pull
Entries 53
Mean −240.5
Std Dev 0

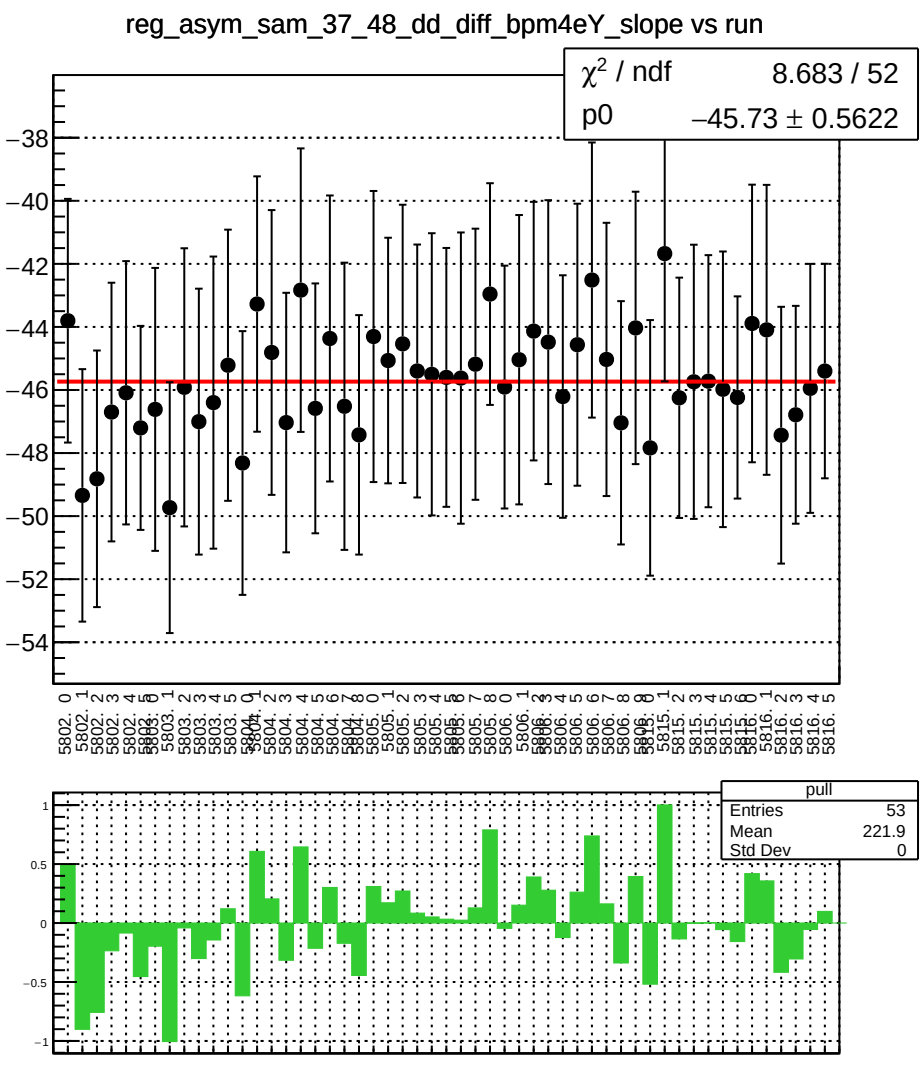

pull1D
Entries 53
Mean 0.01403
Std Dev 0.3813

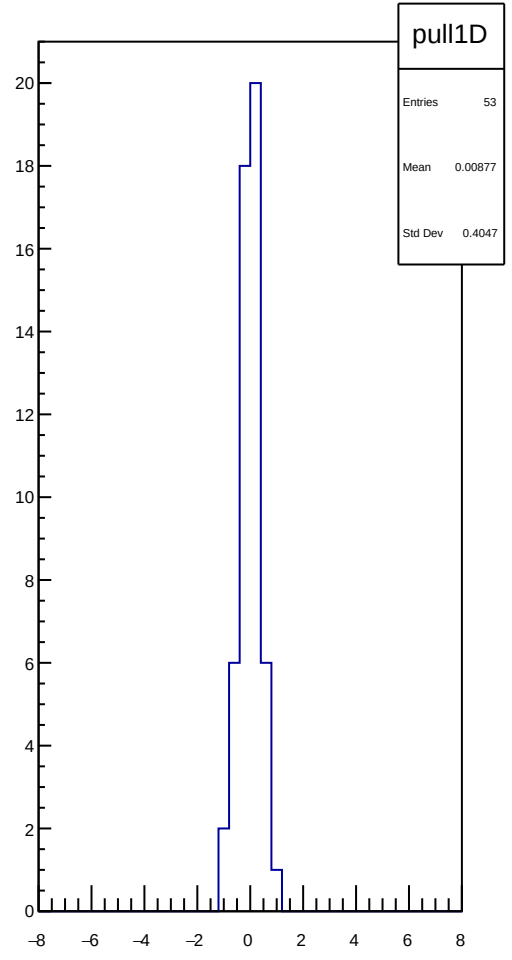

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.583 / 52
p0 −3.398 ± 0.3102
pull
Entries 53
Mean −1.333e+04
Std Dev 0

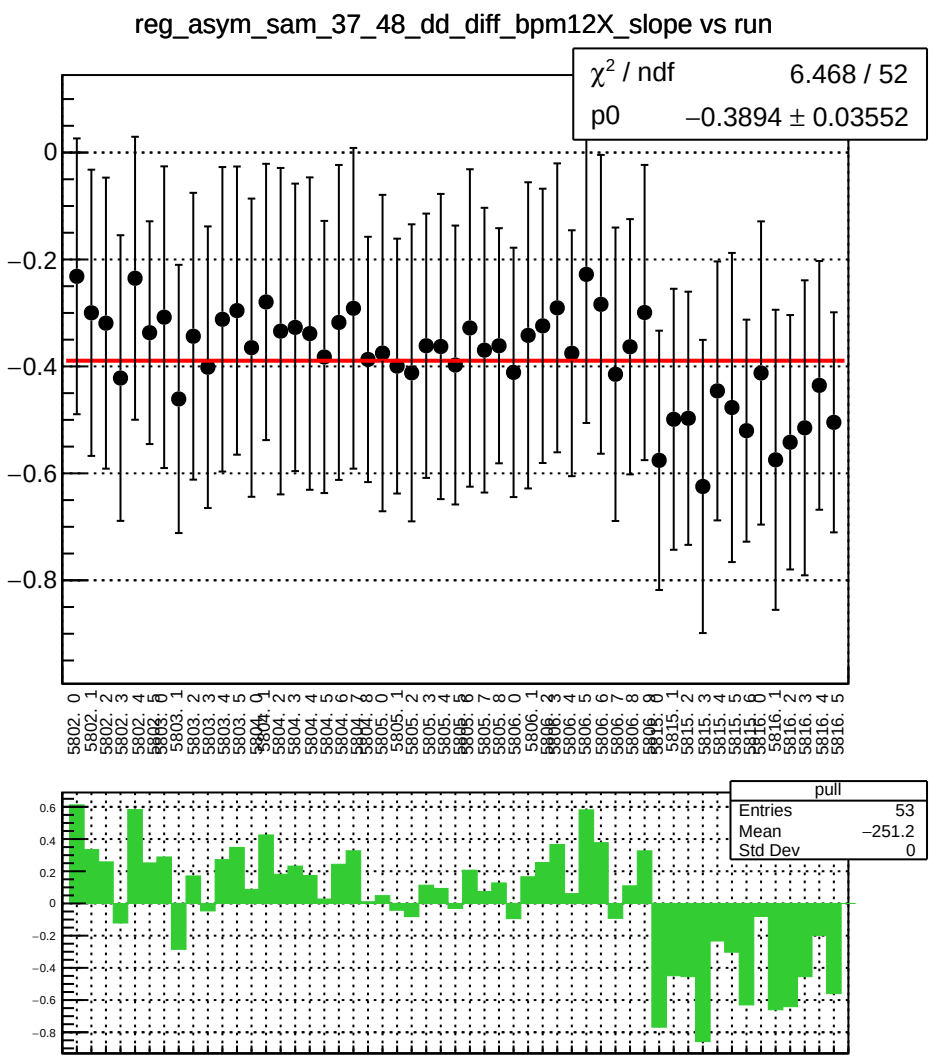

pull1D
Entries 53
Mean 0.0002552
Std Dev 0.3246

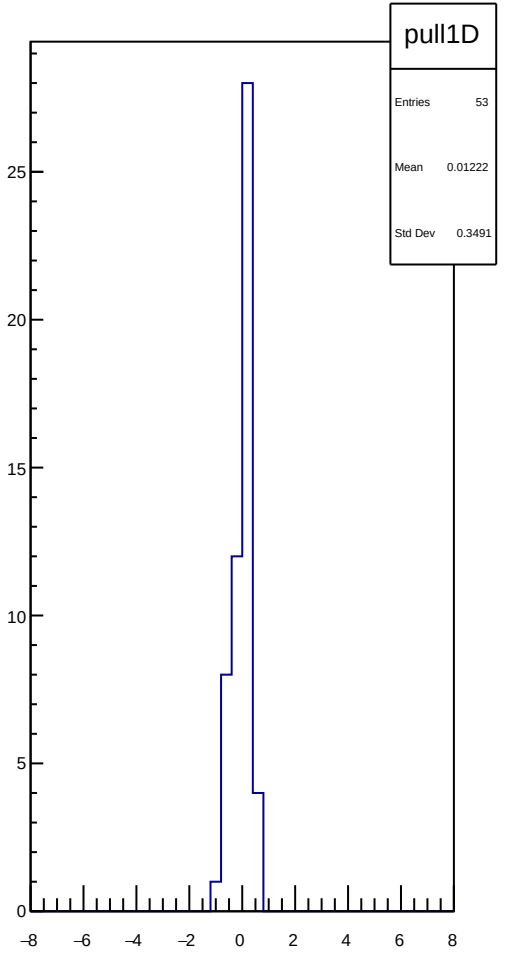

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.763 / 52
p0 7.279 ± 0.5153
pull
Entries 53
Mean 170.4
Std Dev 0
pull1D
Entries 53
Mean −0.009081
Std Dev 0.4065

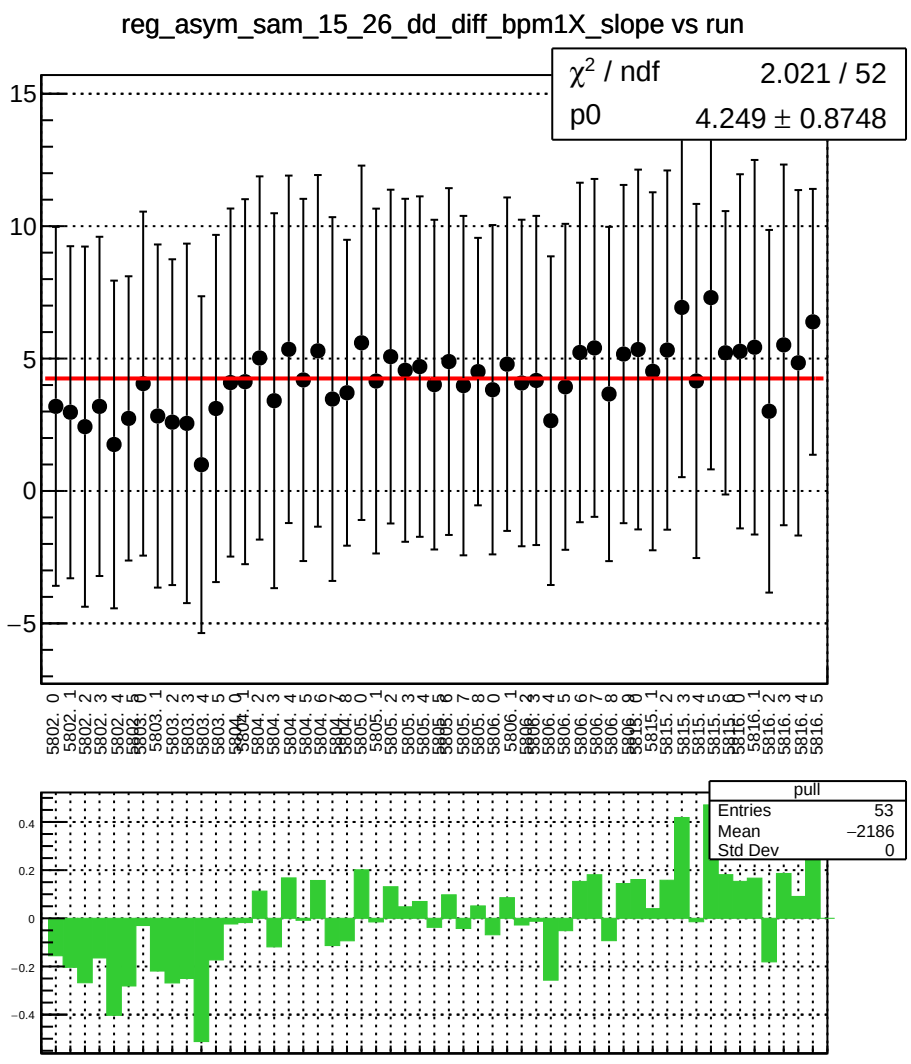

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.225 / 52
p0 2.494 ± 0.4545
pull
Entries 53
Mean −8639
Std Dev 0
pull1D
Entries 53
Mean −0.0003131
Std Dev 0.2823

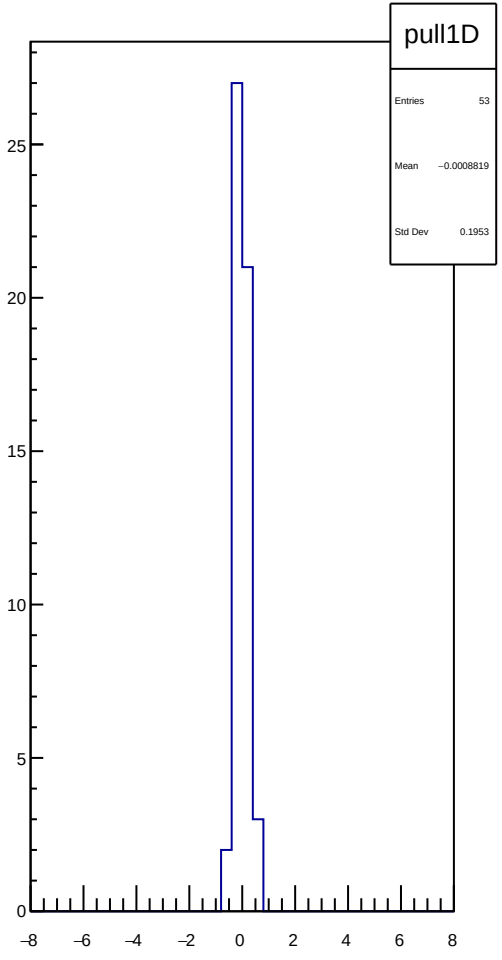

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.683 / 52
p0 −45.73 ± 0.5622
pull
Entries 53
Mean 221.9
Std Dev 0

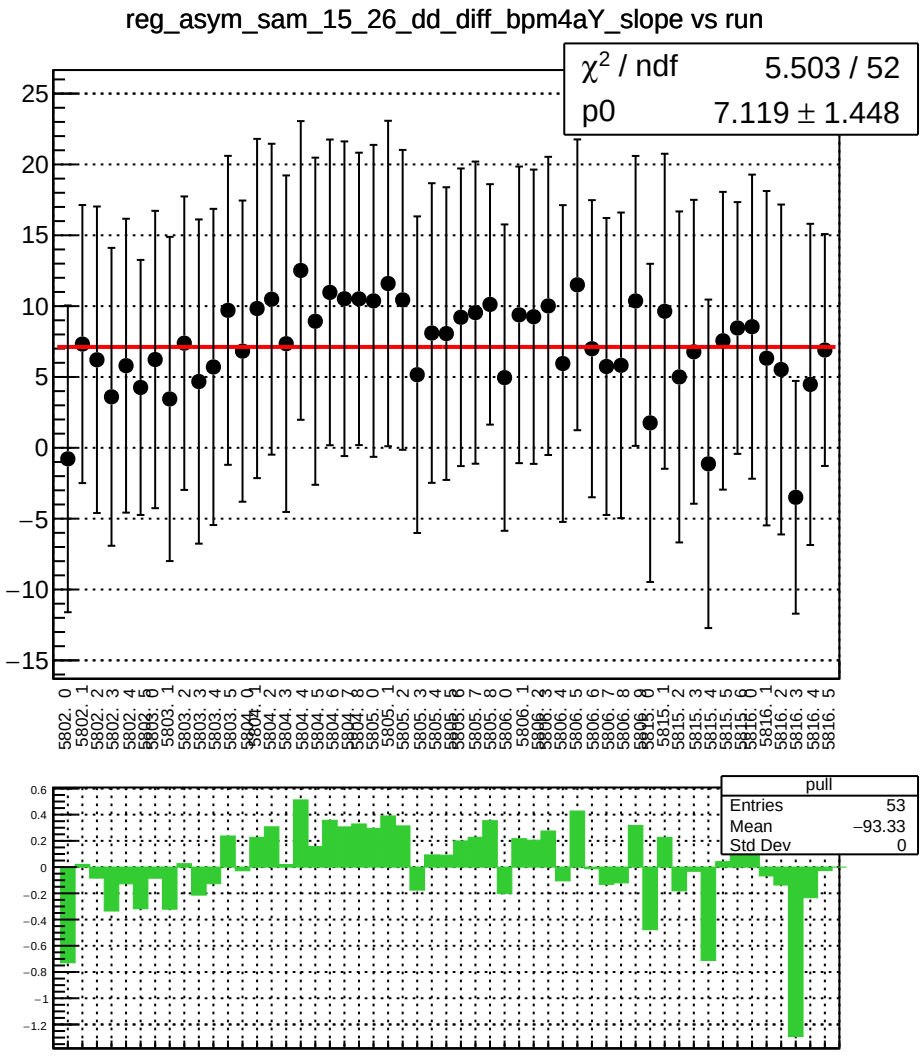

pull1D
Entries 53
Mean 0.00877
Std Dev 0.4047

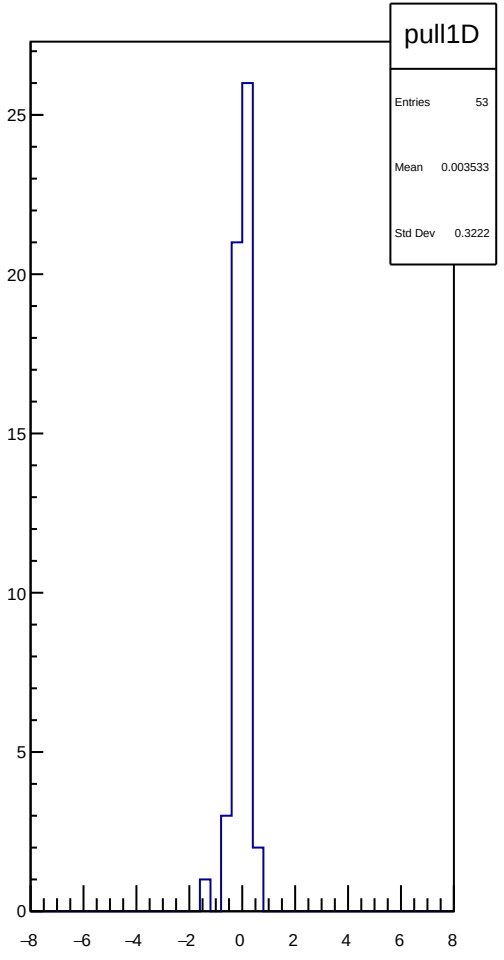

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.468 / 52
p0 −0.3894 ± 0.03552
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 53
Mean −251.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

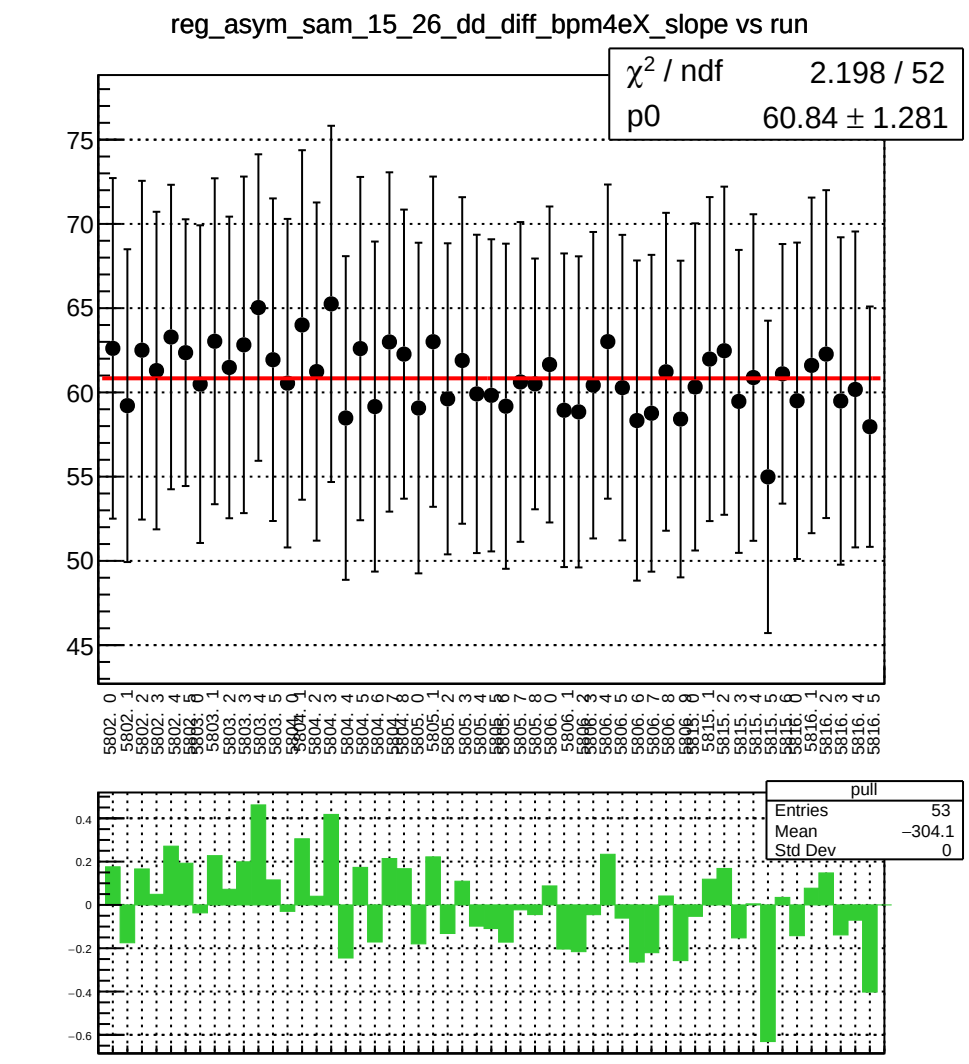

pull1D
Entries 53
Mean 0.01222
Std Dev 0.3491
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

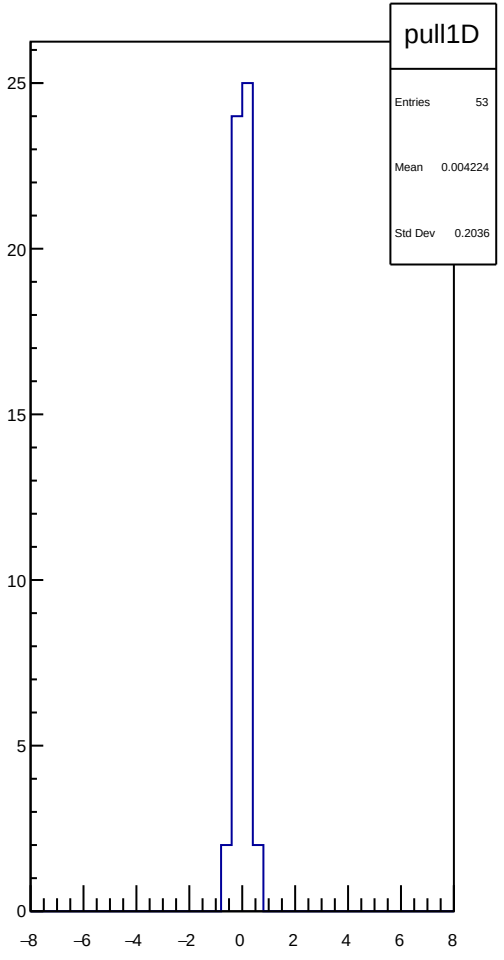

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.021 / 52
p0 4.249 ± 0.8748
pull
Entries 53
Mean −2186
Std Dev 0

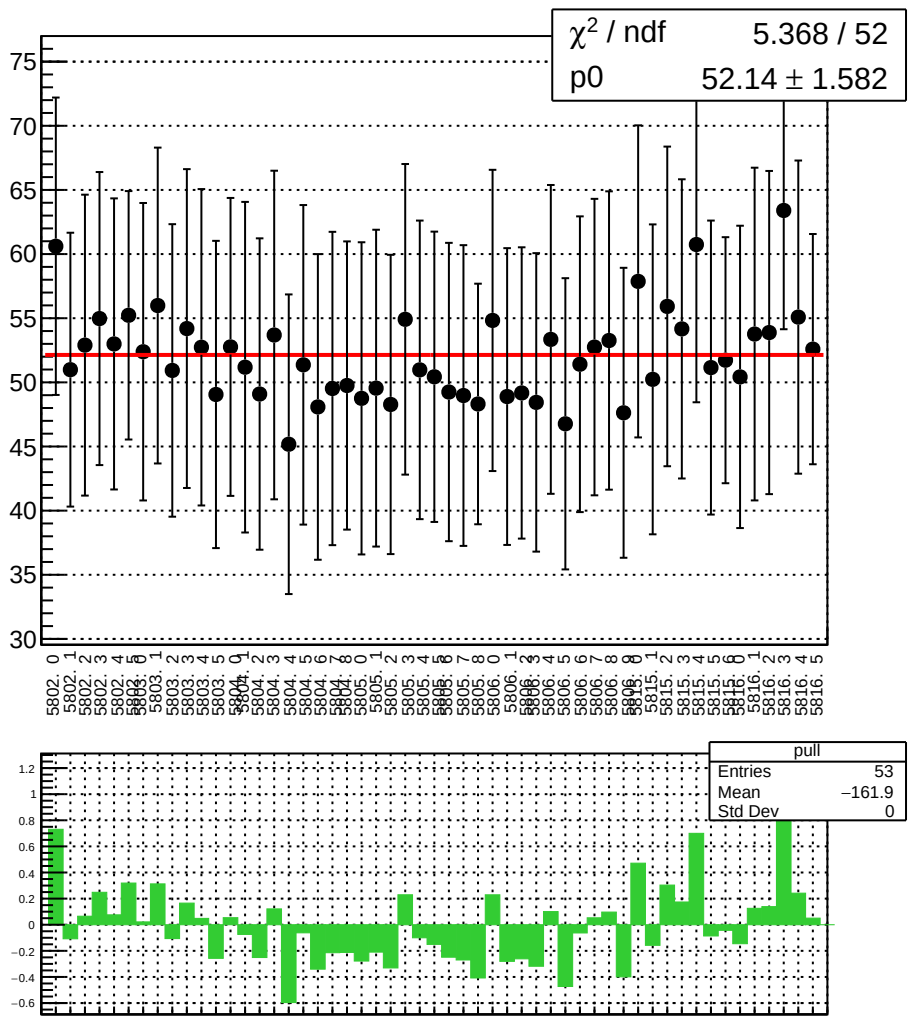

pull1D
Entries 53
Mean −0.0008819
Std Dev 0.1953

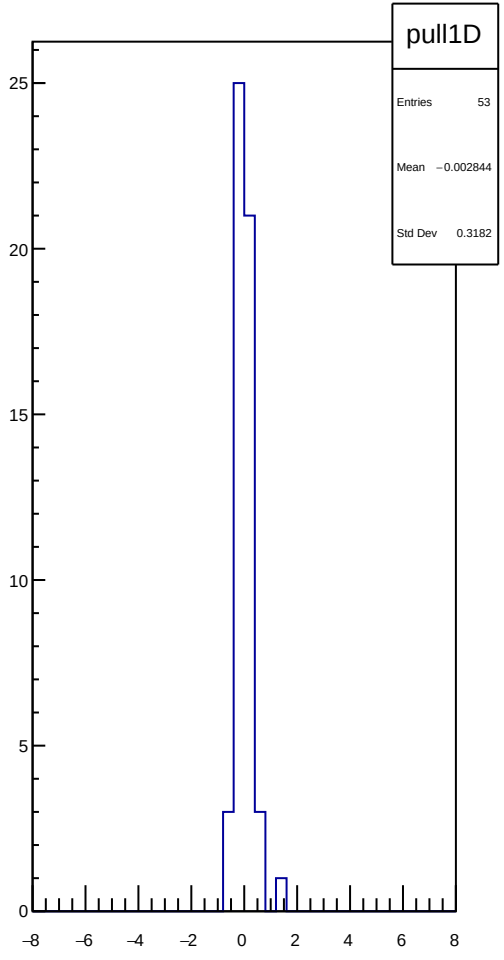

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.503 / 52
p0 7.119 ± 1.448
pull
Entries 53
Mean −93.33
Std Dev 0

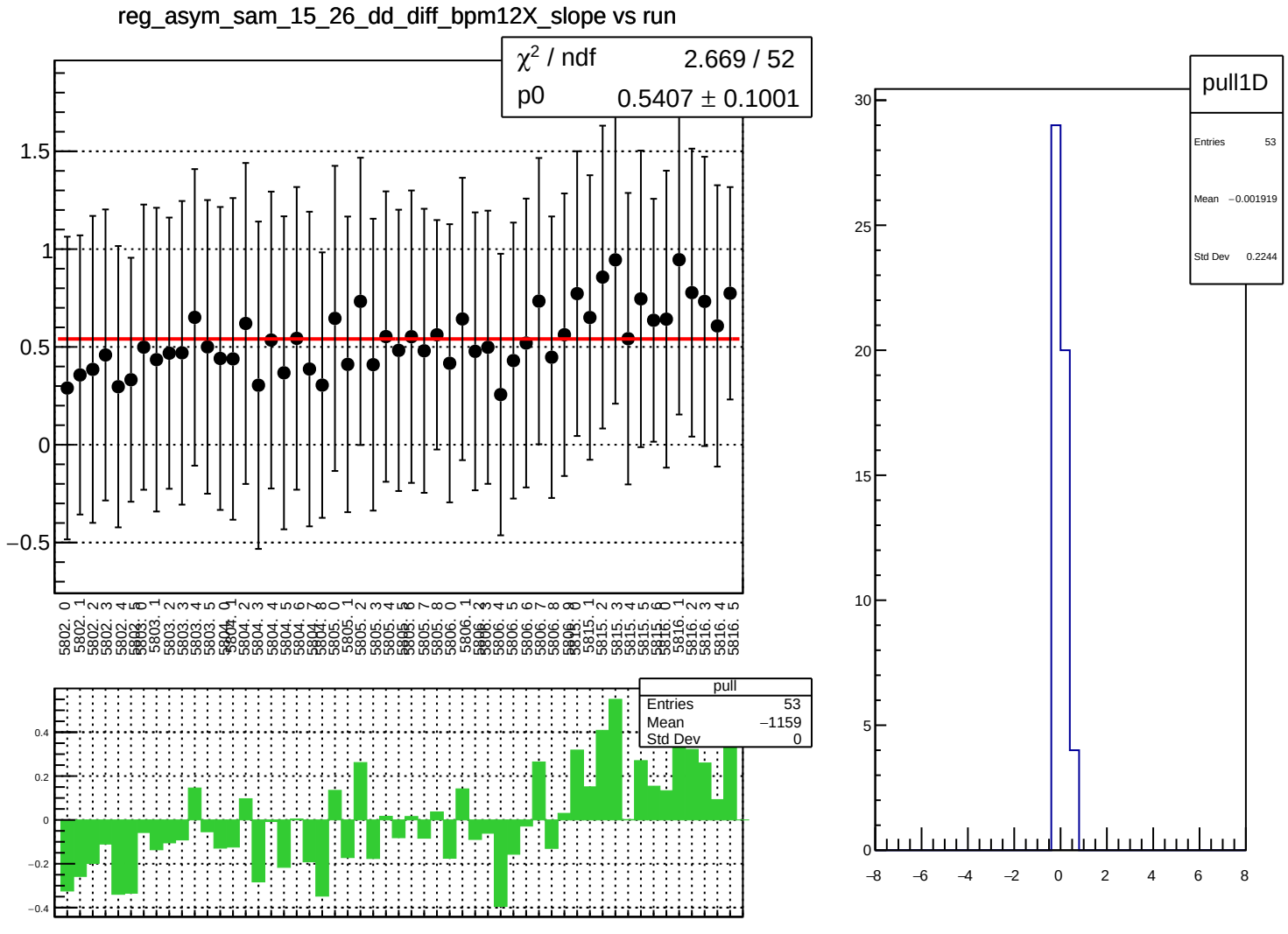

pull1D
Entries 53
Mean 0.003533
Std Dev 0.3222

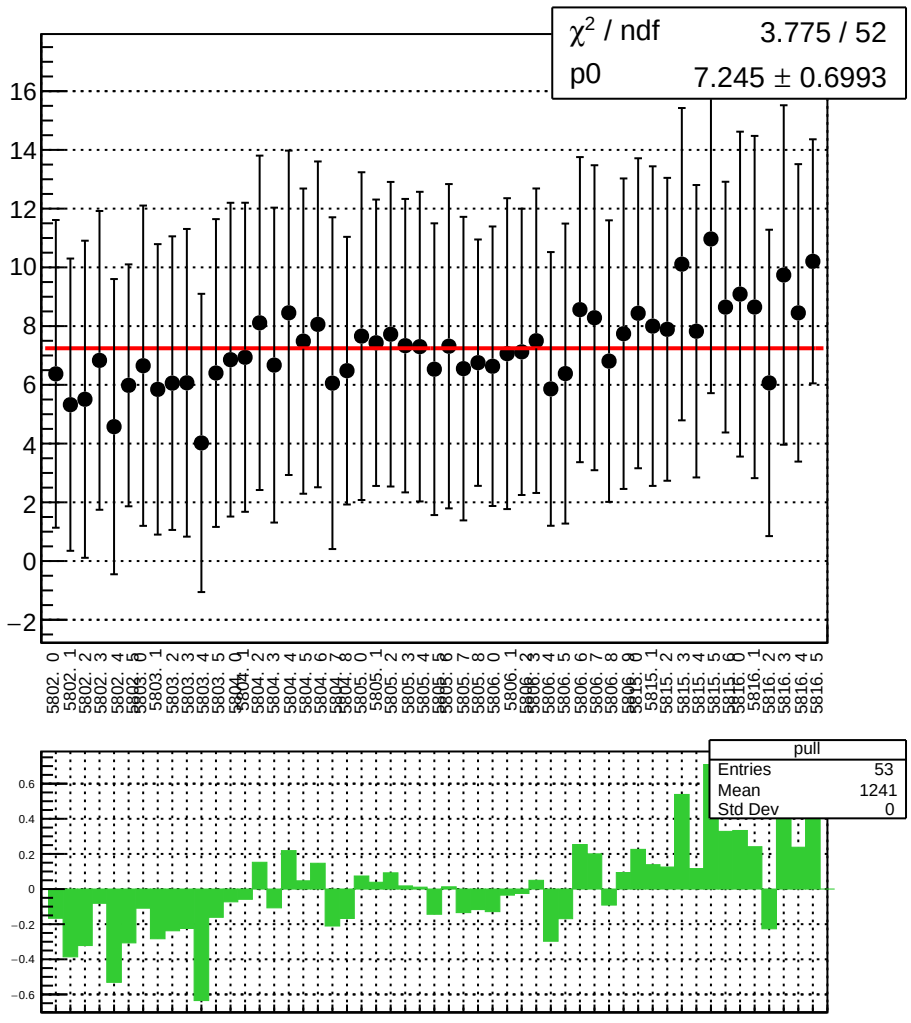

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.198 / 52
p0 60.84 ± 1.281
pull
Entries 53
Mean −304.1
Std Dev 0

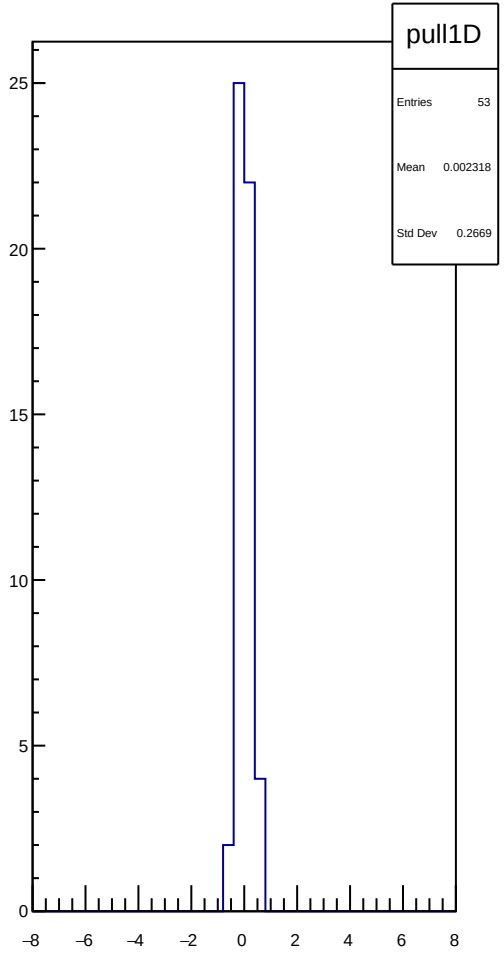

pull1D
Entries 53
Mean 0.004224
Std Dev 0.2036

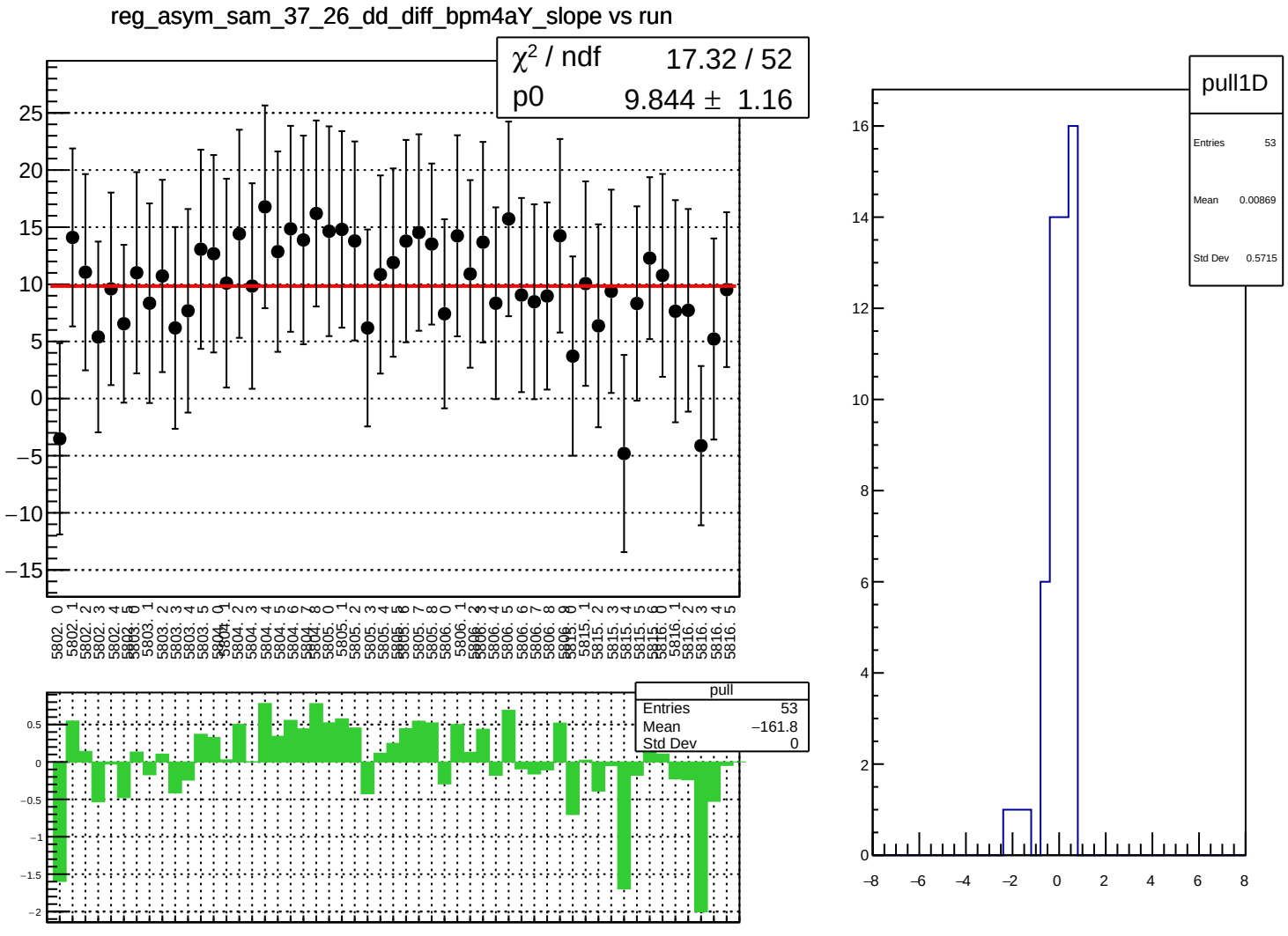

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.368 / 52
p0 52.14 ± 1.582
pull
Entries 53
Mean −161.9
Std Dev 0

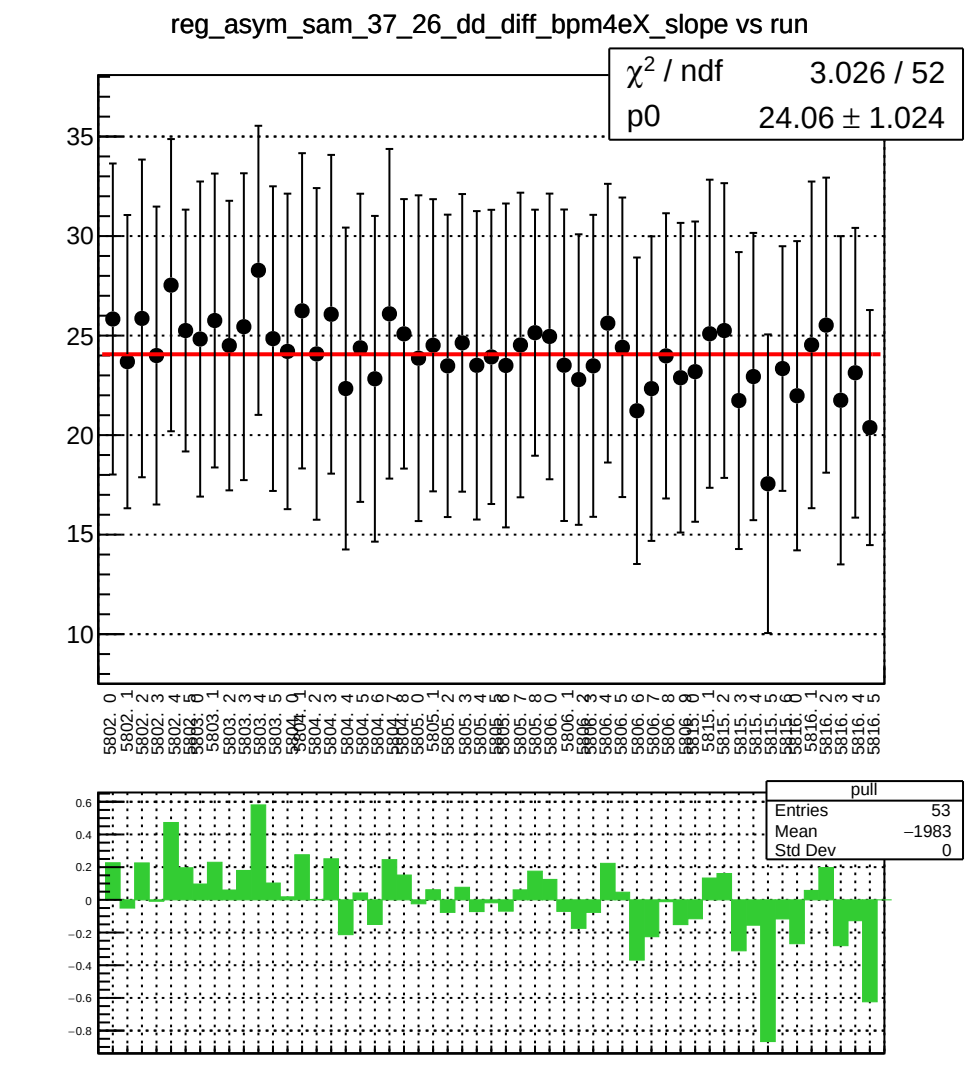

pull1D
Entries 53
Mean −0.002844
Std Dev 0.3182

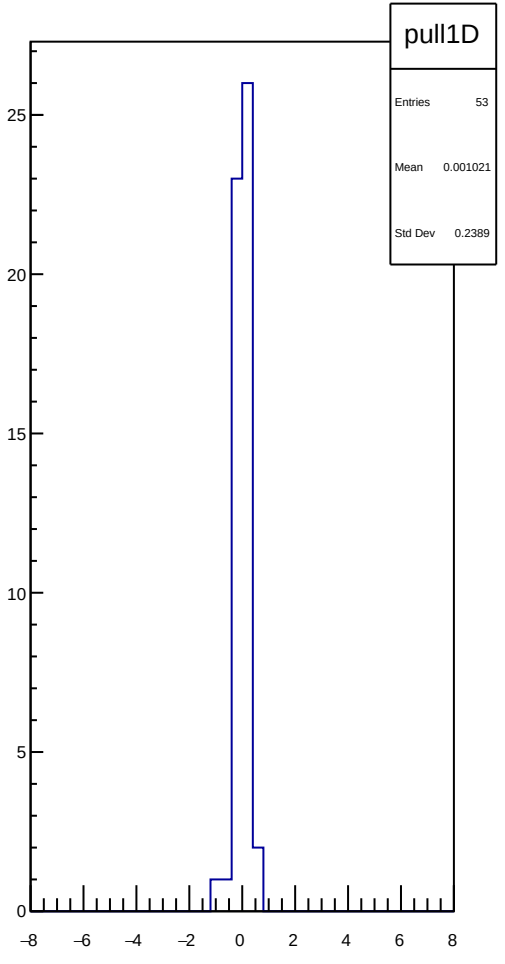

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.669 / 52
p0 0.5407 ± 0.1001
pull
Entries 53
Mean −1159
Std Dev 0
pull1D
Entries 53
Mean −0.001919
Std Dev 0.2244

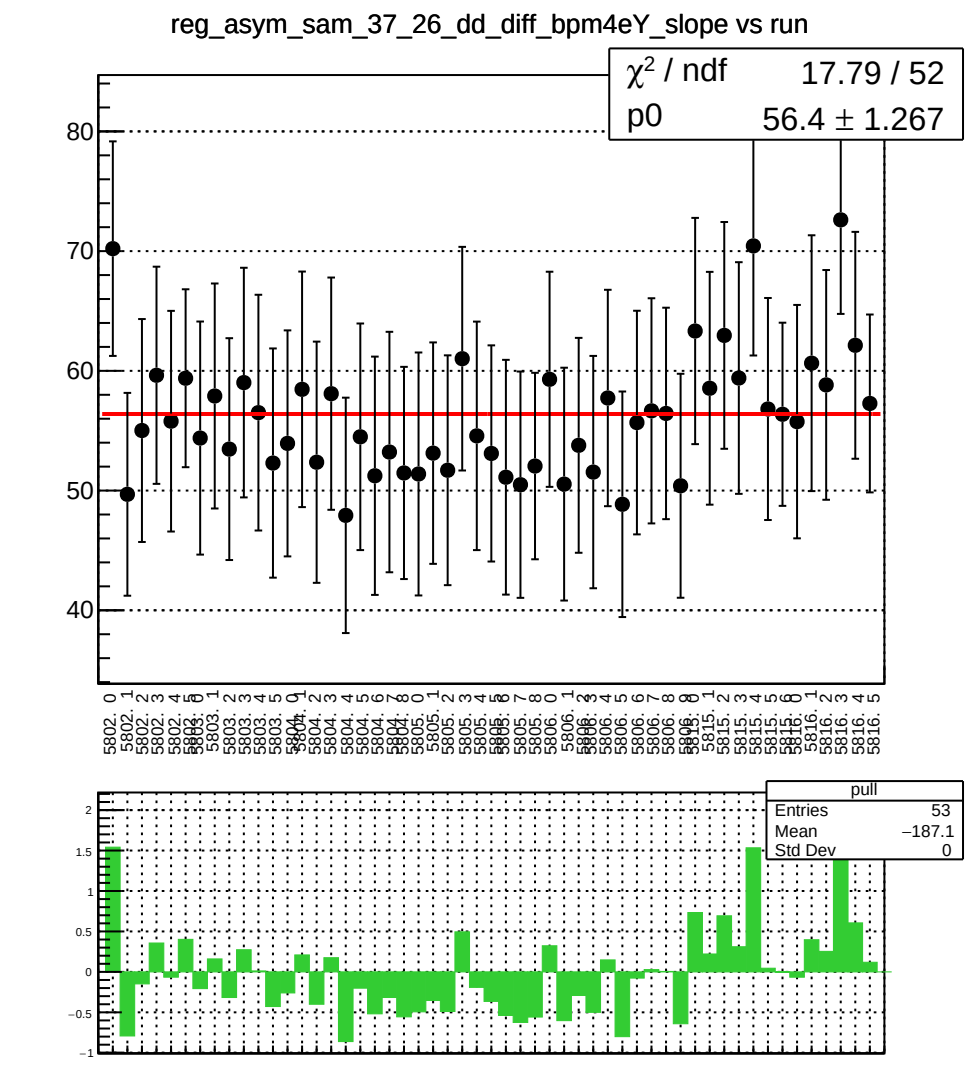

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.775 / 52
p0 7.245 ± 0.6993
pull
Entries 53
Mean 1241
Std Dev 0

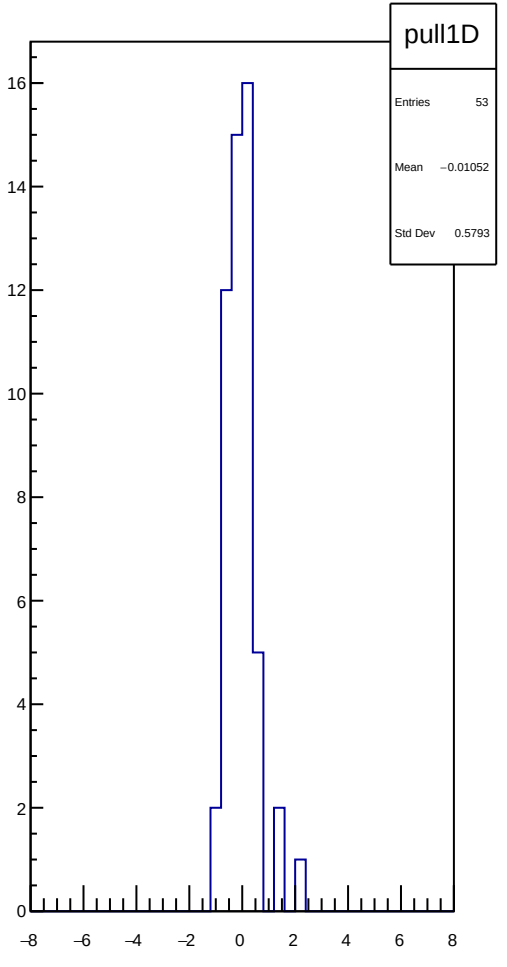

pull1D
Entries 53
Mean 0.002318
Std Dev 0.2669

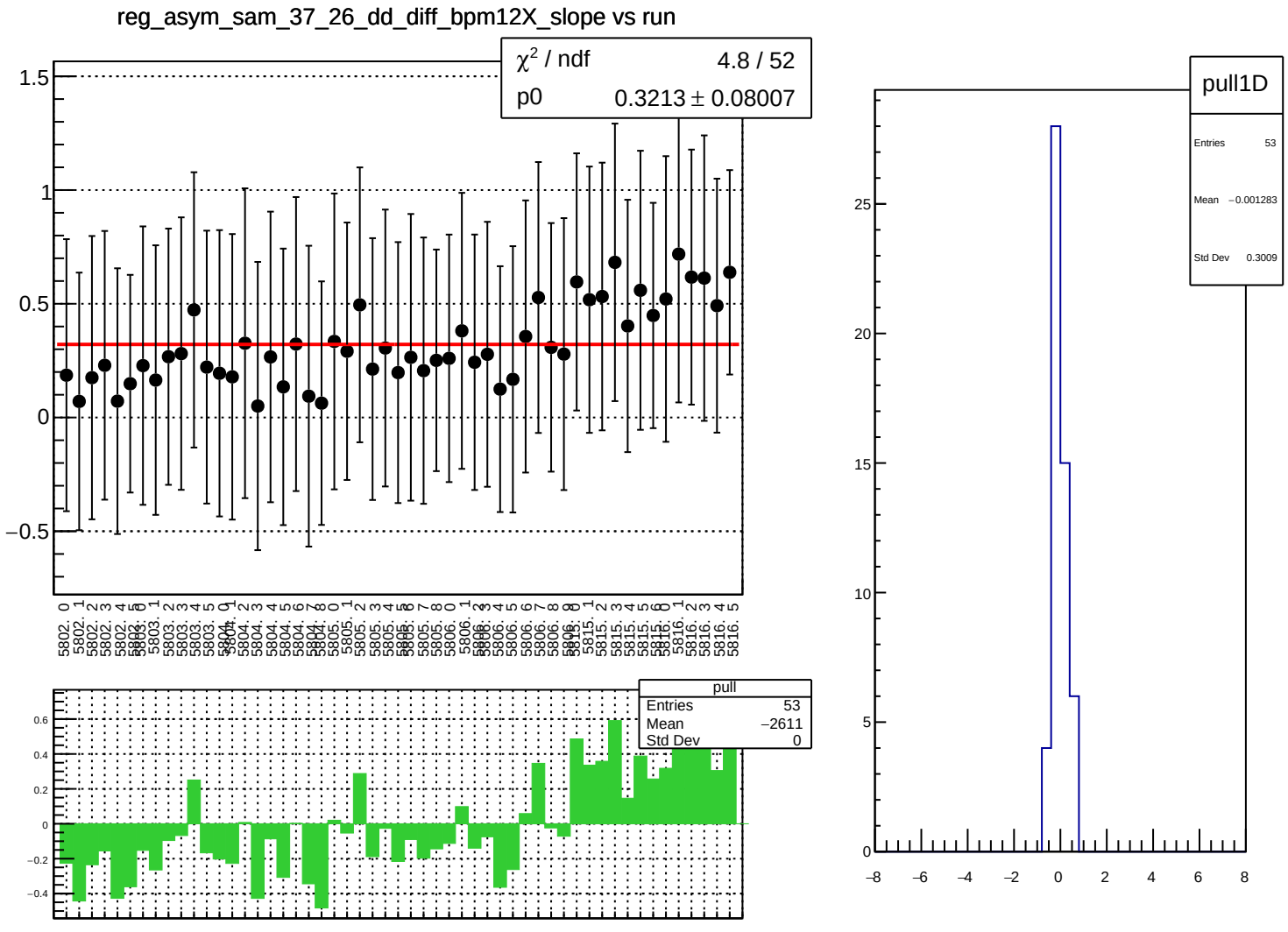

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.32 / 52
p0 9.844 ± 1.16
pull
Entries 53
Mean −161.8
Std Dev 0
pull1D
Entries 53
Mean 0.00869
Std Dev 0.5715

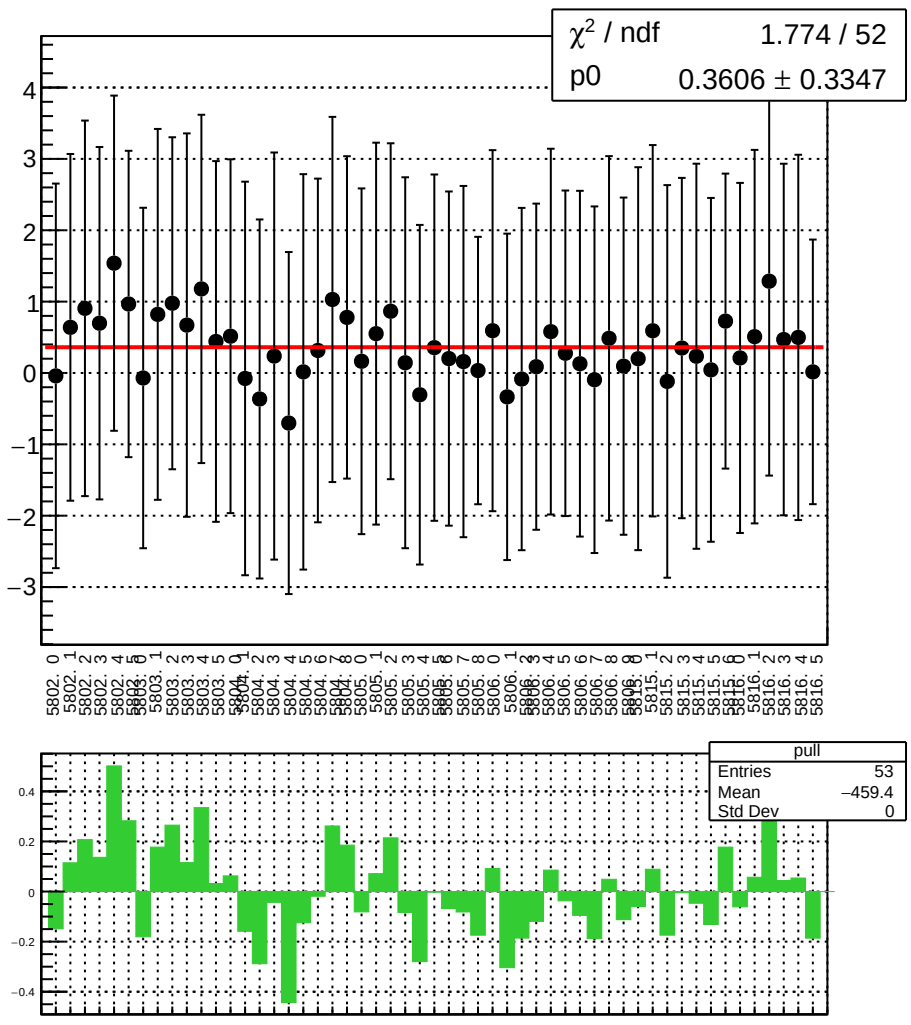

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.026 / 52
p0 24.06 ± 1.024
pull
Entries 53
Mean −1983
Std Dev 0

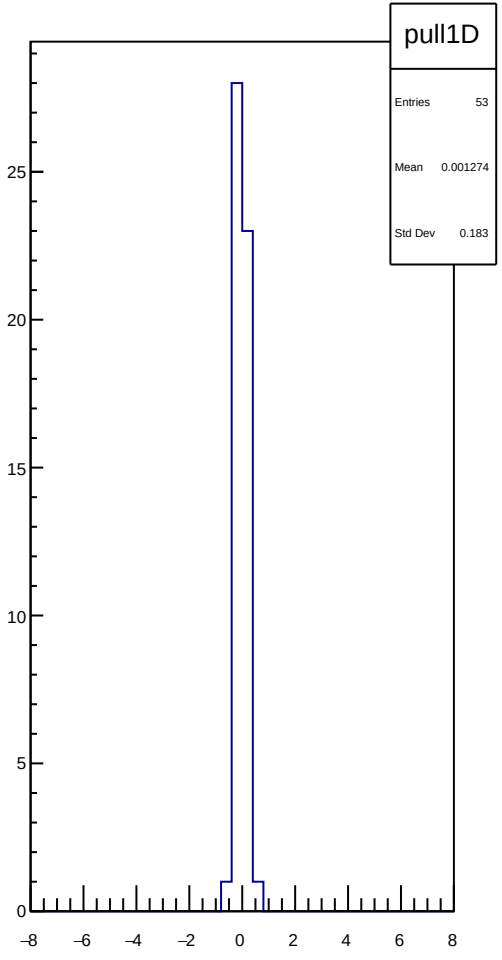

pull1D
Entries 53
Mean 0.001021
Std Dev 0.2389

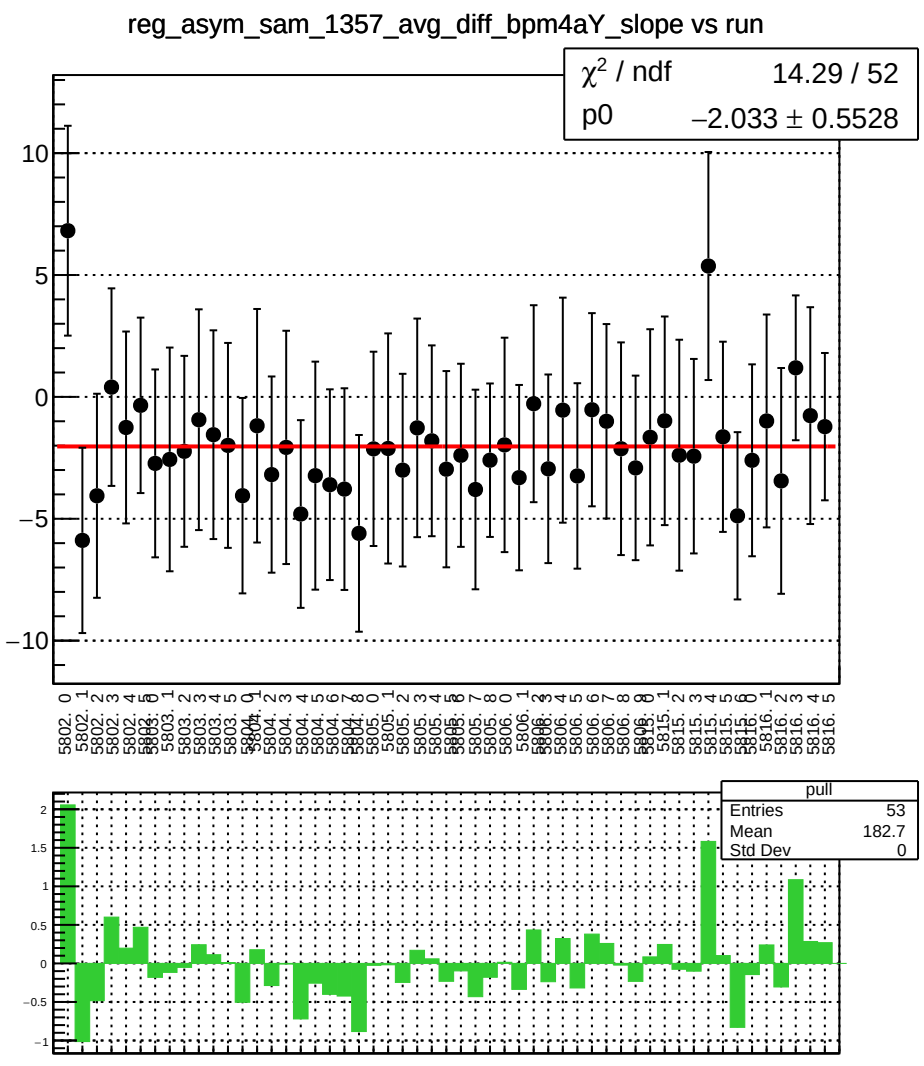

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.79 / 52
p0 56.4 ± 1.267
pull
Entries 53
Mean −187.1
Std Dev 0

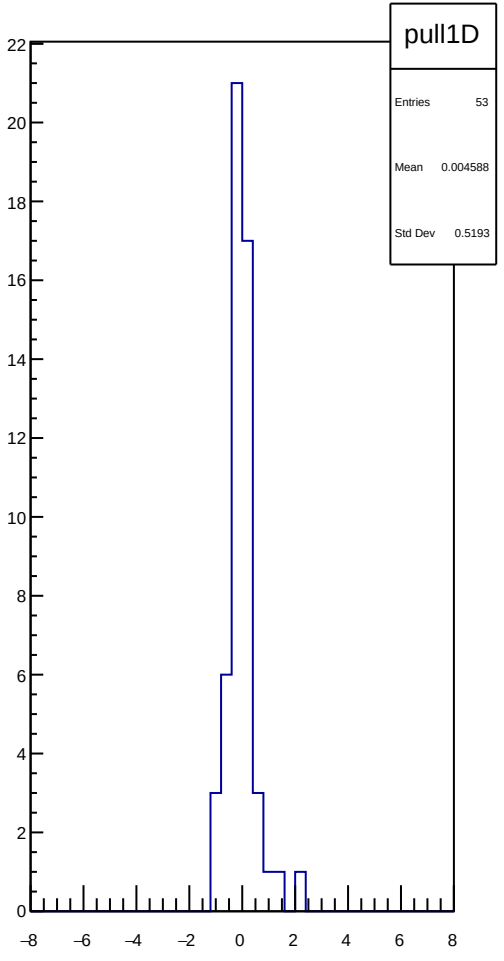

pull1D
Entries 53
Mean −0.01052
Std Dev 0.5793

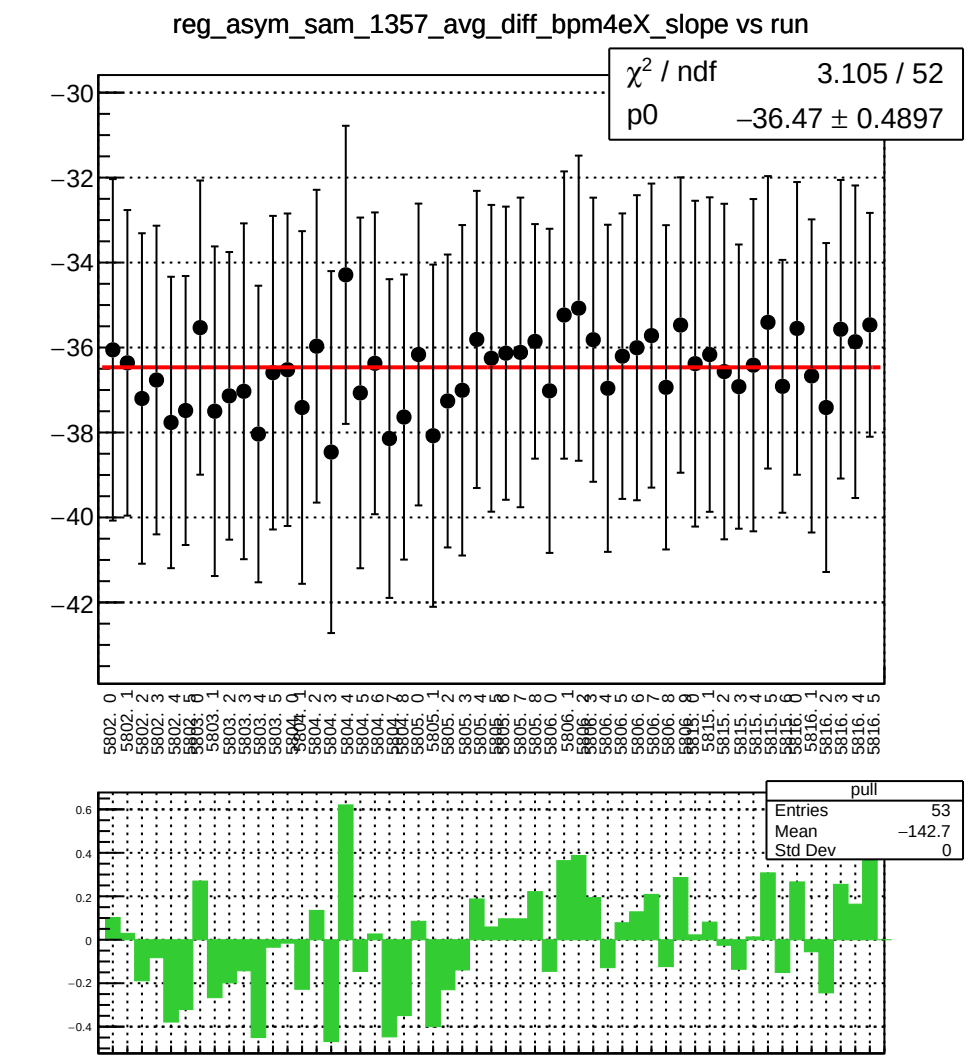

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.8 / 52
p0 0.3213 ± 0.08007
pull
Entries 53
Mean −2611
Std Dev 0
pull1D
Entries 53
Mean −0.001283
Std Dev 0.3009

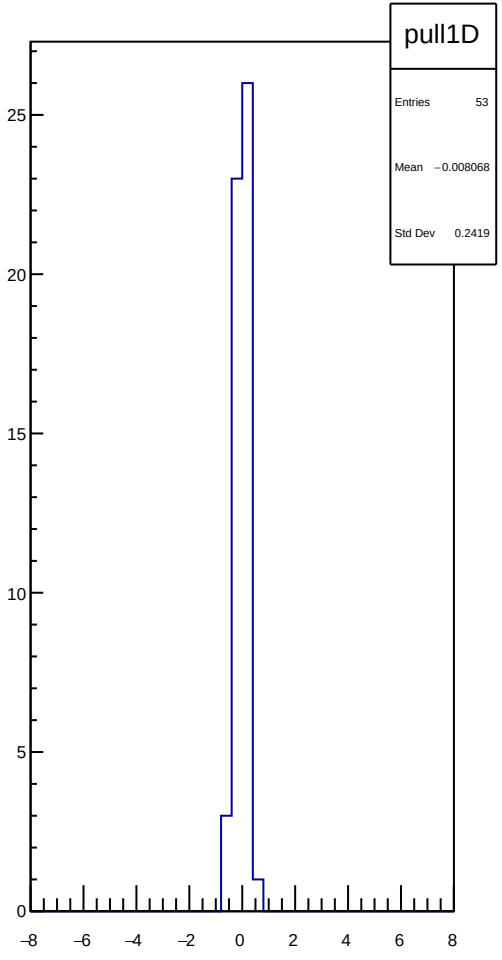

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 1.774 / 52
p0 0.3606 ± 0.3347
pull
Entries 53
Mean −459.4
Std Dev 0

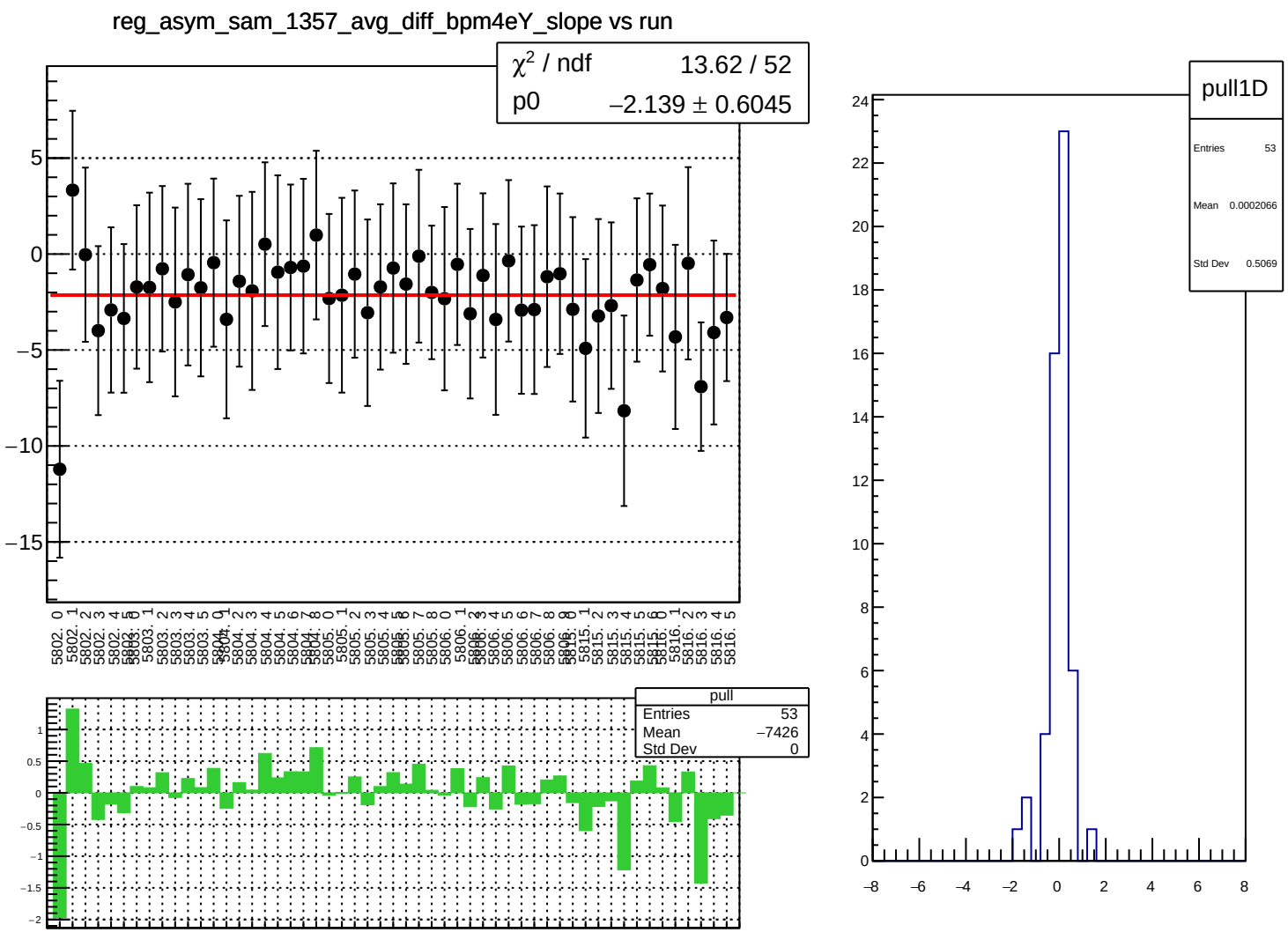

pull1D
Entries 53
Mean 0.001274
Std Dev 0.183

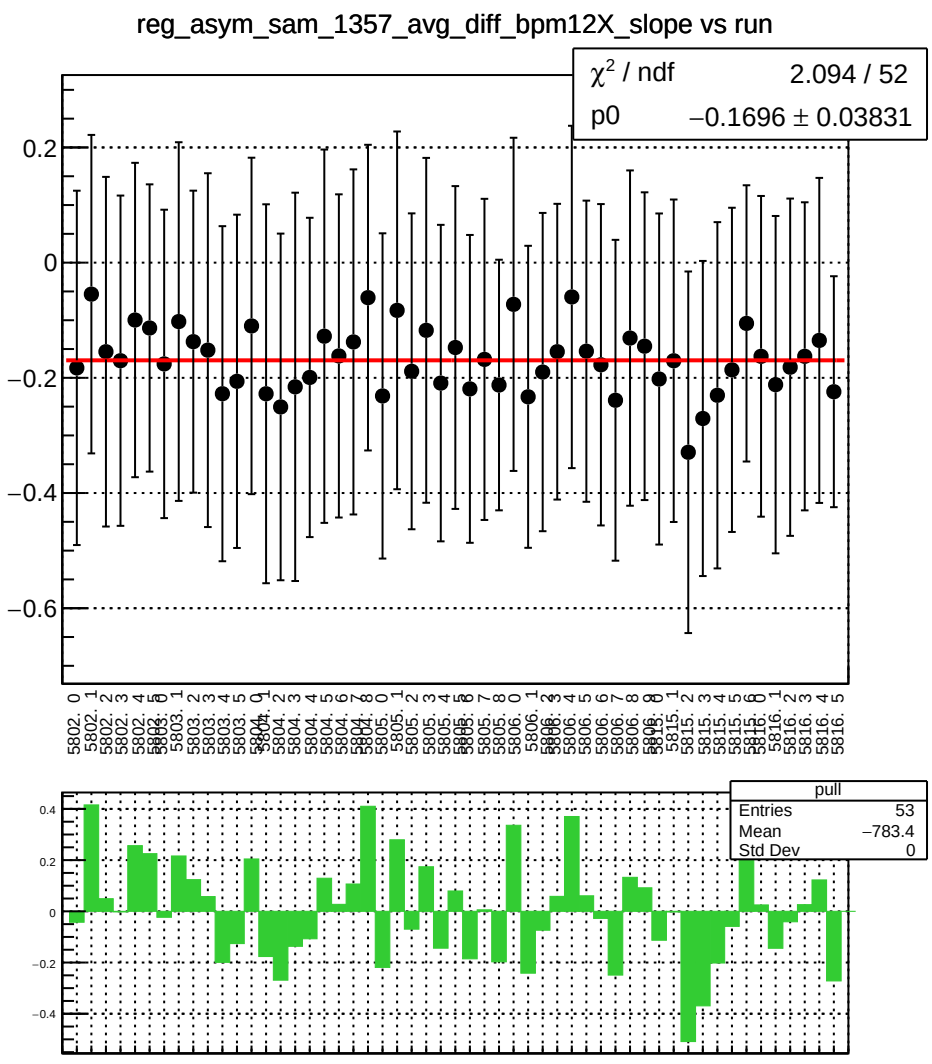

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.29 / 52
p0 −2.033 ± 0.5528
pull
Entries 53
Mean 182.7
Std Dev 0

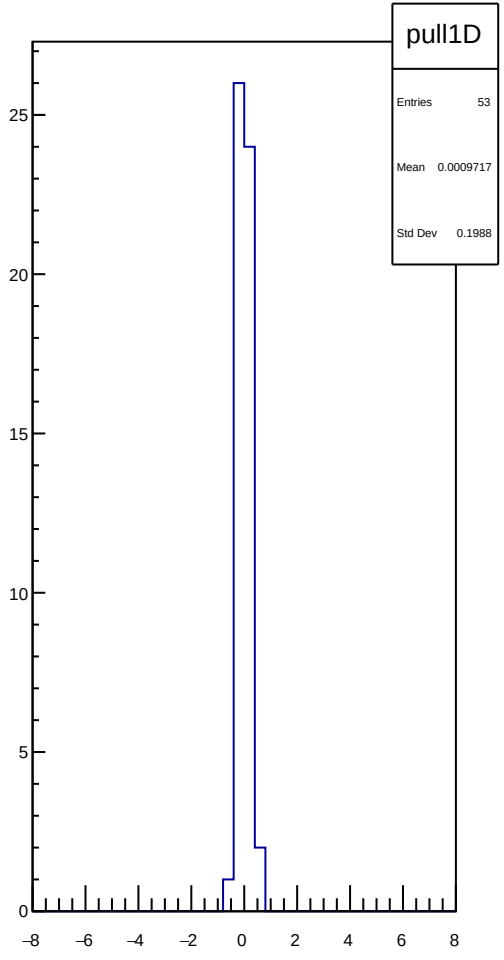

pull1D
Entries 53
Mean 0.004588
Std Dev 0.5193

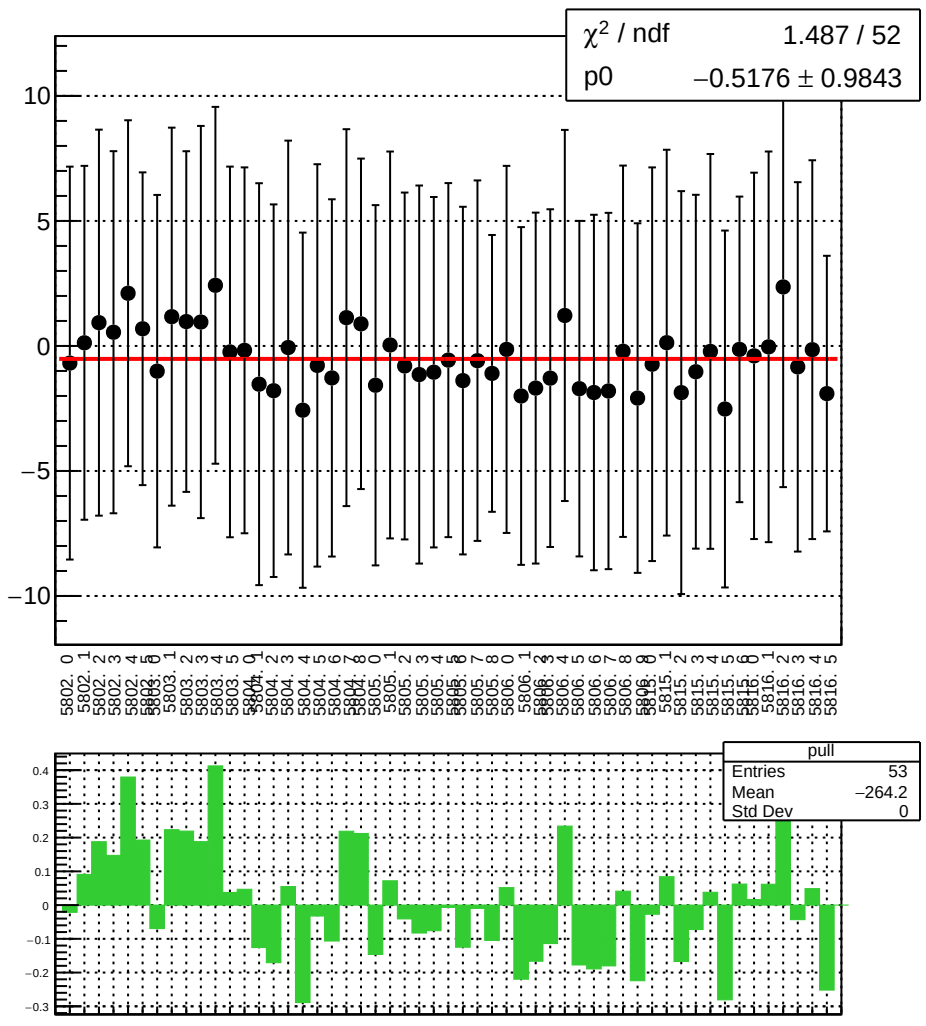

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.105 / 52
p0 −36.47 ± 0.4897
pull
Entries 53
Mean −142.7
Std Dev 0

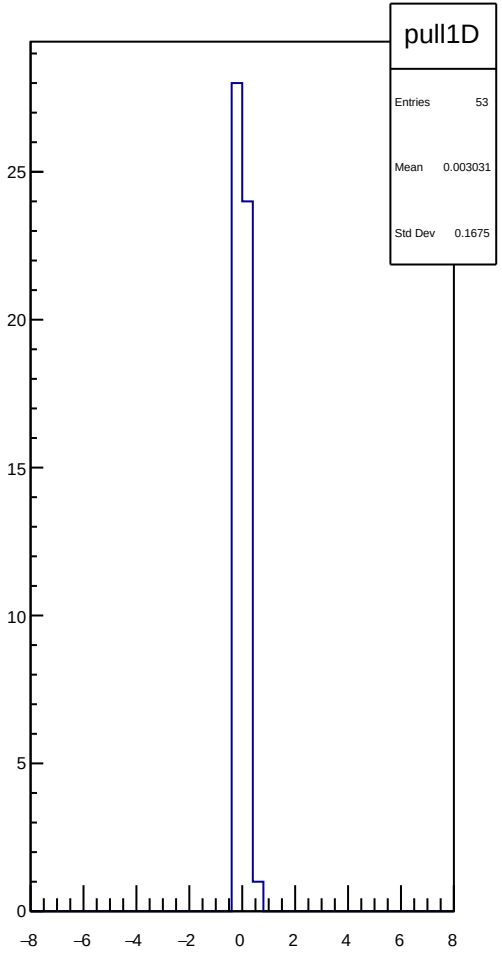

pull1D
Entries 53
Mean −0.008068
Std Dev 0.2419

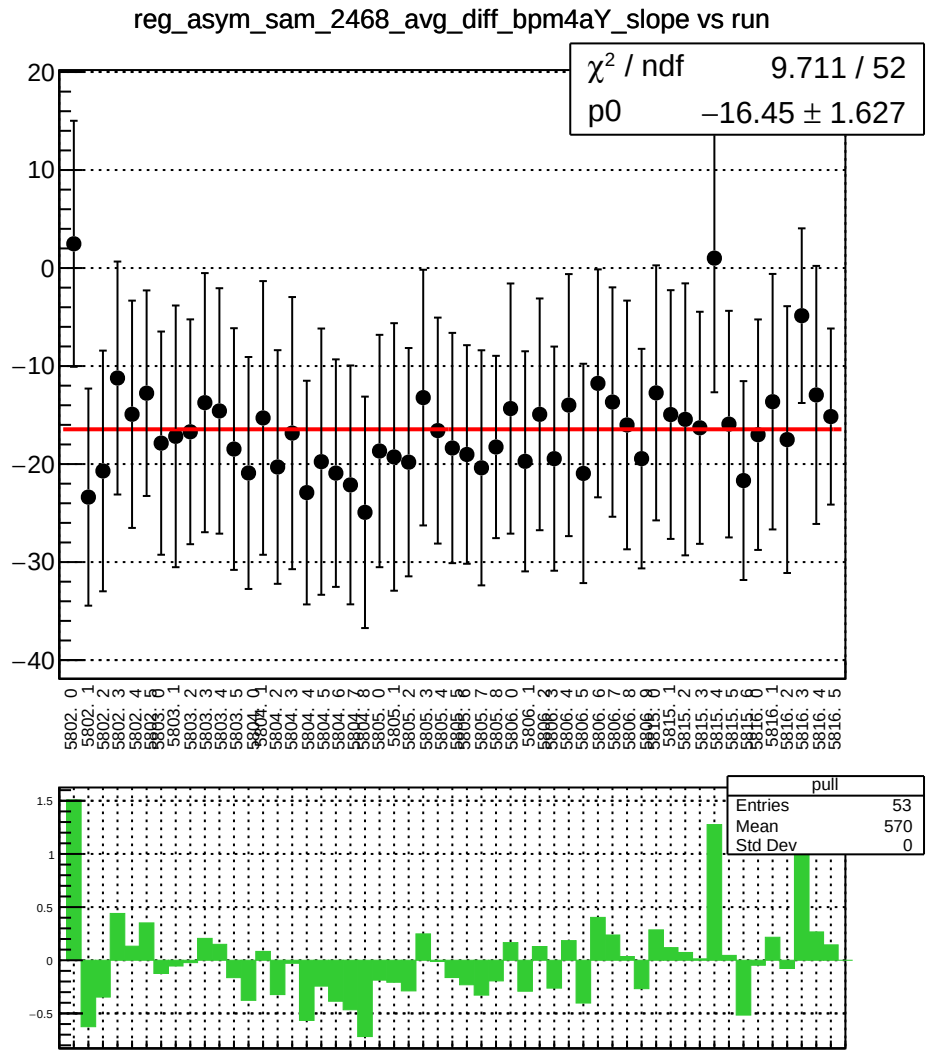

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.62 / 52
p0 −2.139 ± 0.6045
pull
Entries 53
Mean −7426
Std Dev 0
pull1D
Entries 53
Mean 0.0002066
Std Dev 0.5069

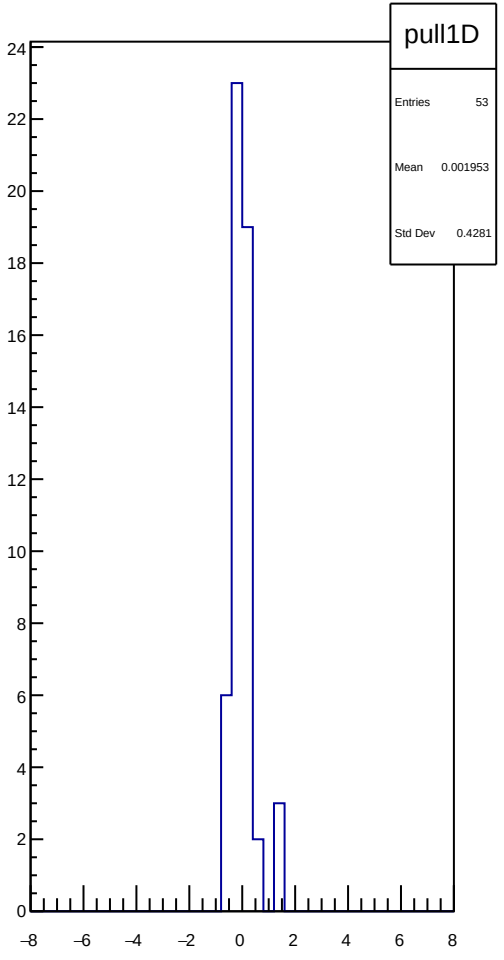

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.094 / 52
p0 −0.1696 ± 0.03831
pull
Entries 53
Mean −783.4
Std Dev 0

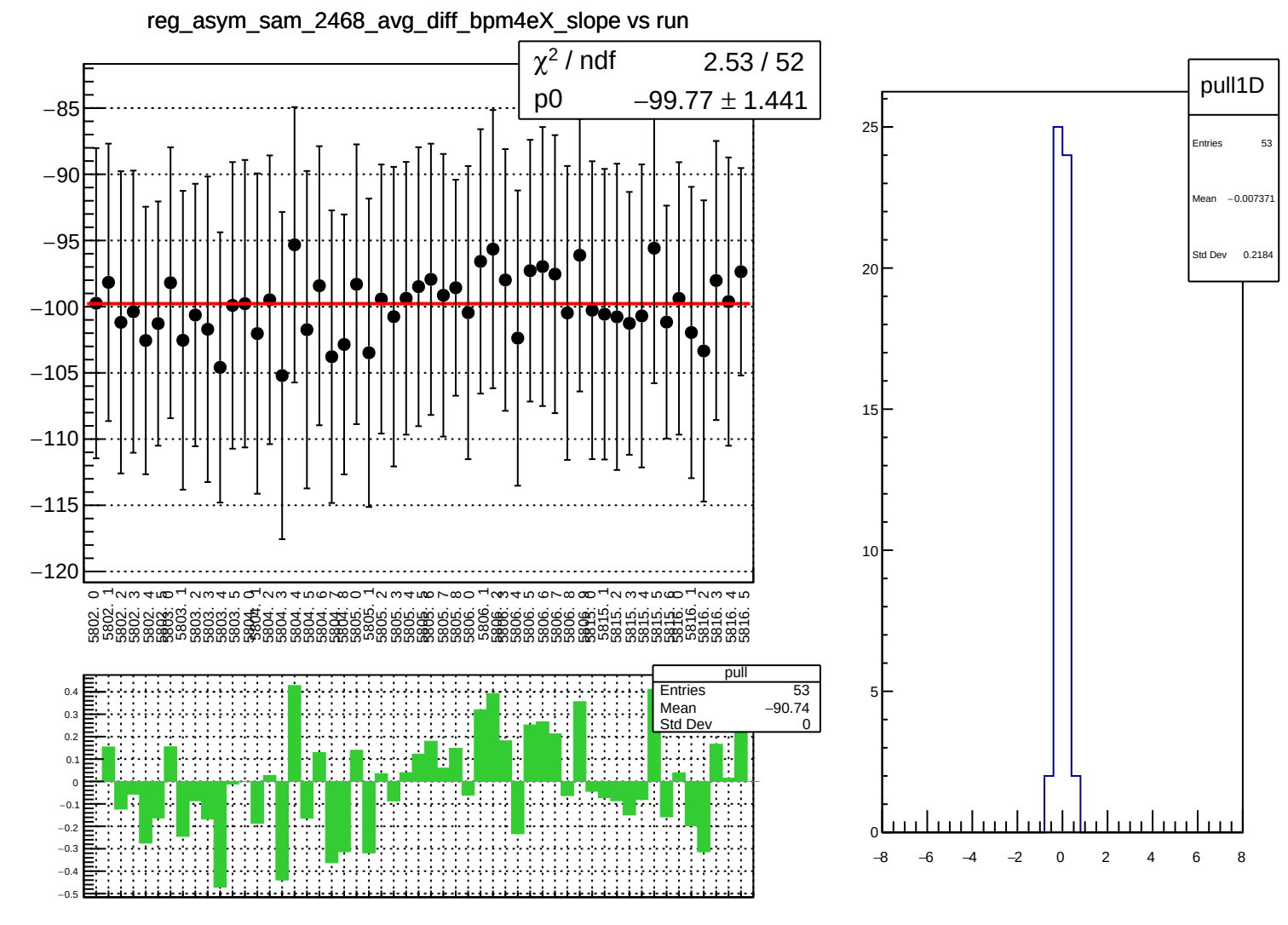

pull1D
Entries 53
Mean 0.0009717
Std Dev 0.1988

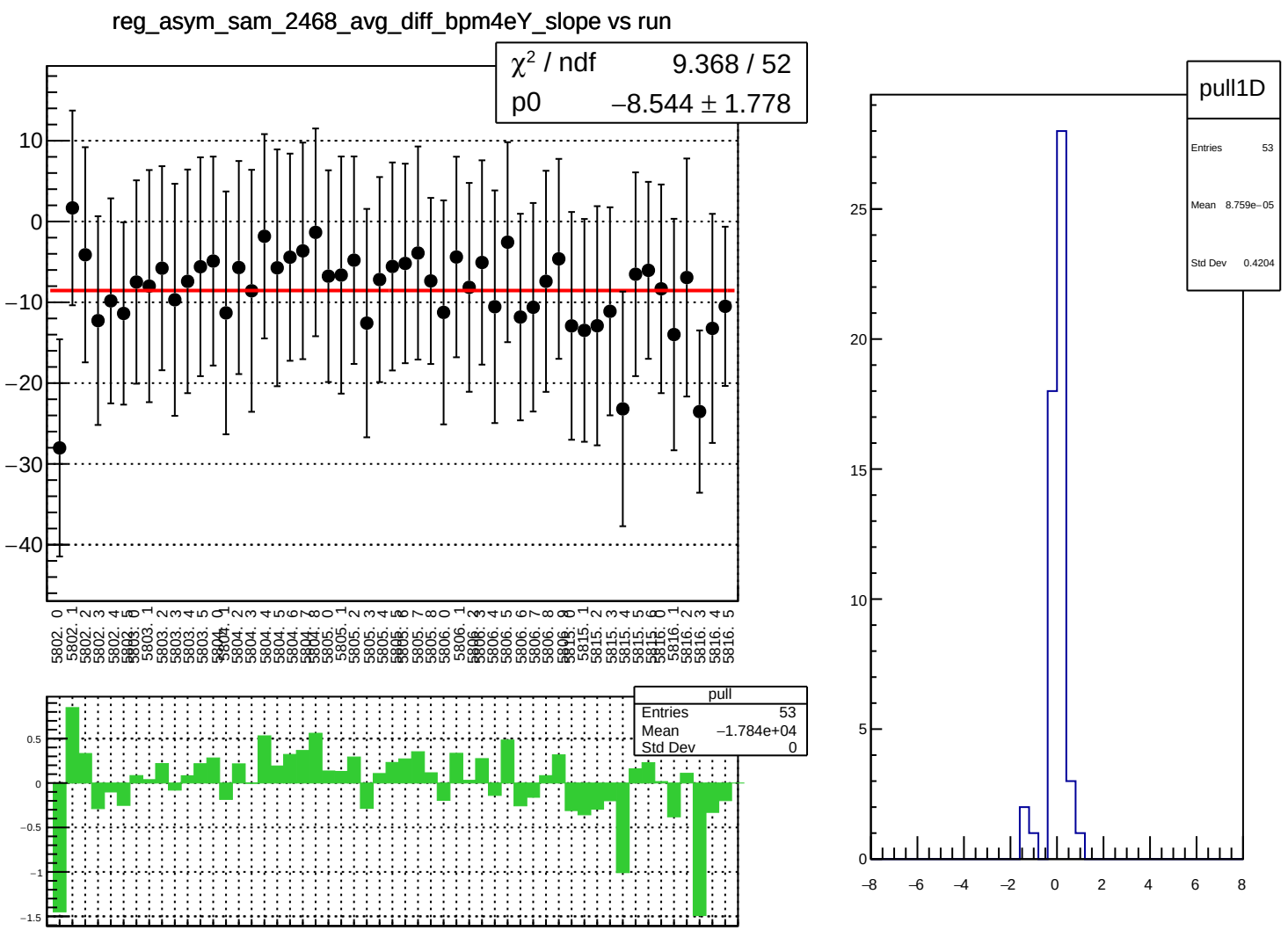

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.487 / 52
p0 −0.5176 ± 0.9843
pull
Entries 53
Mean −264.2
Std Dev 0

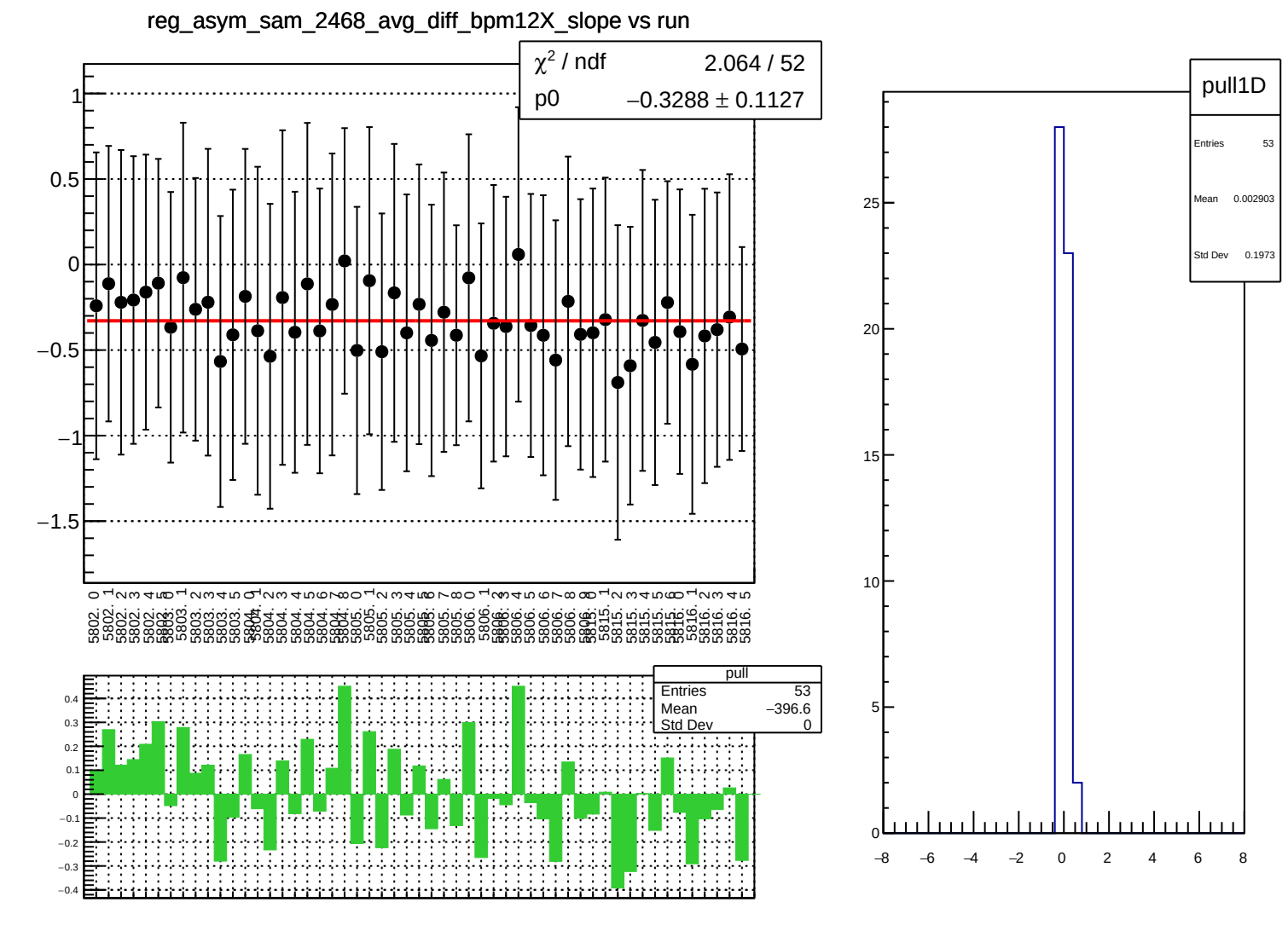

pull1D
Entries 53
Mean 0.003031
Std Dev 0.1675

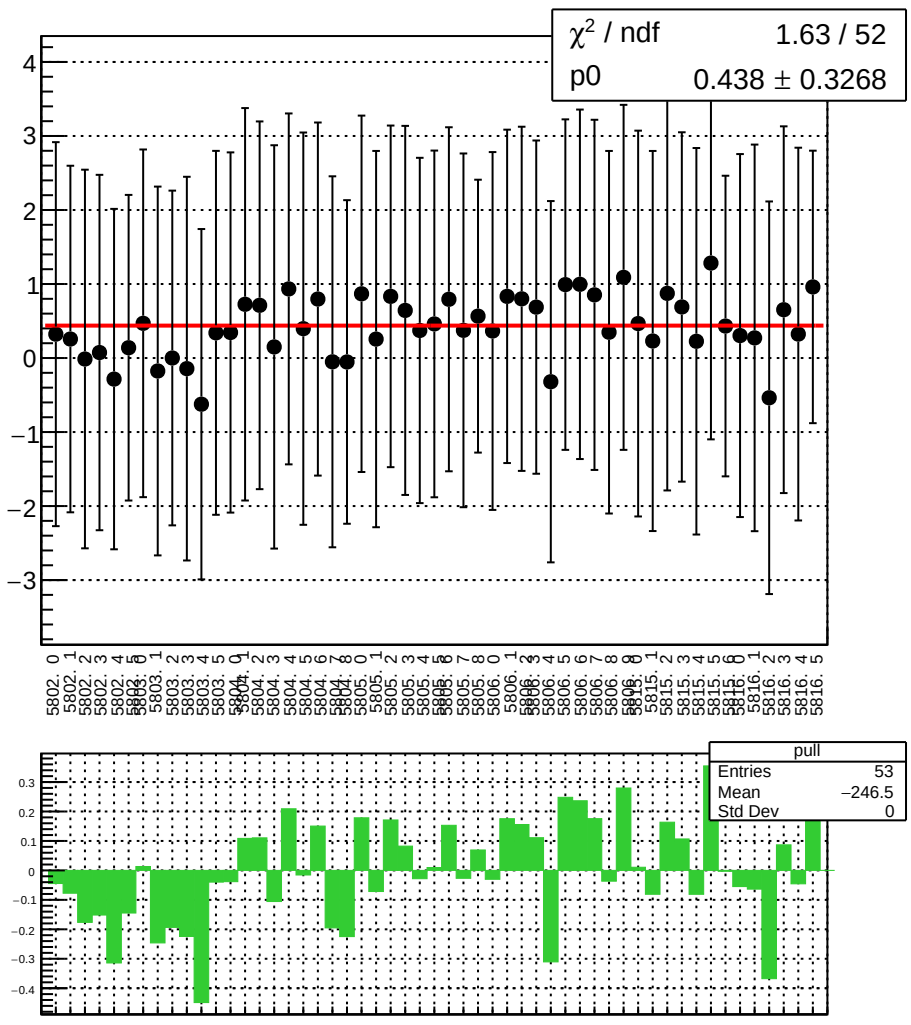

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.711 / 52
p0 −16.45 ± 1.627
pull
Entries 53
Mean 570
Std Dev 0

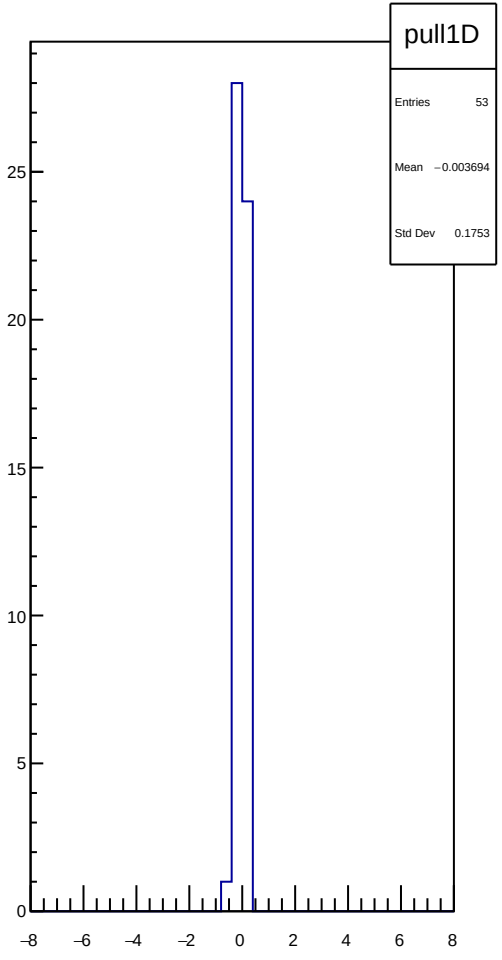

pull1D
Entries 53
Mean 0.001953
Std Dev 0.4281

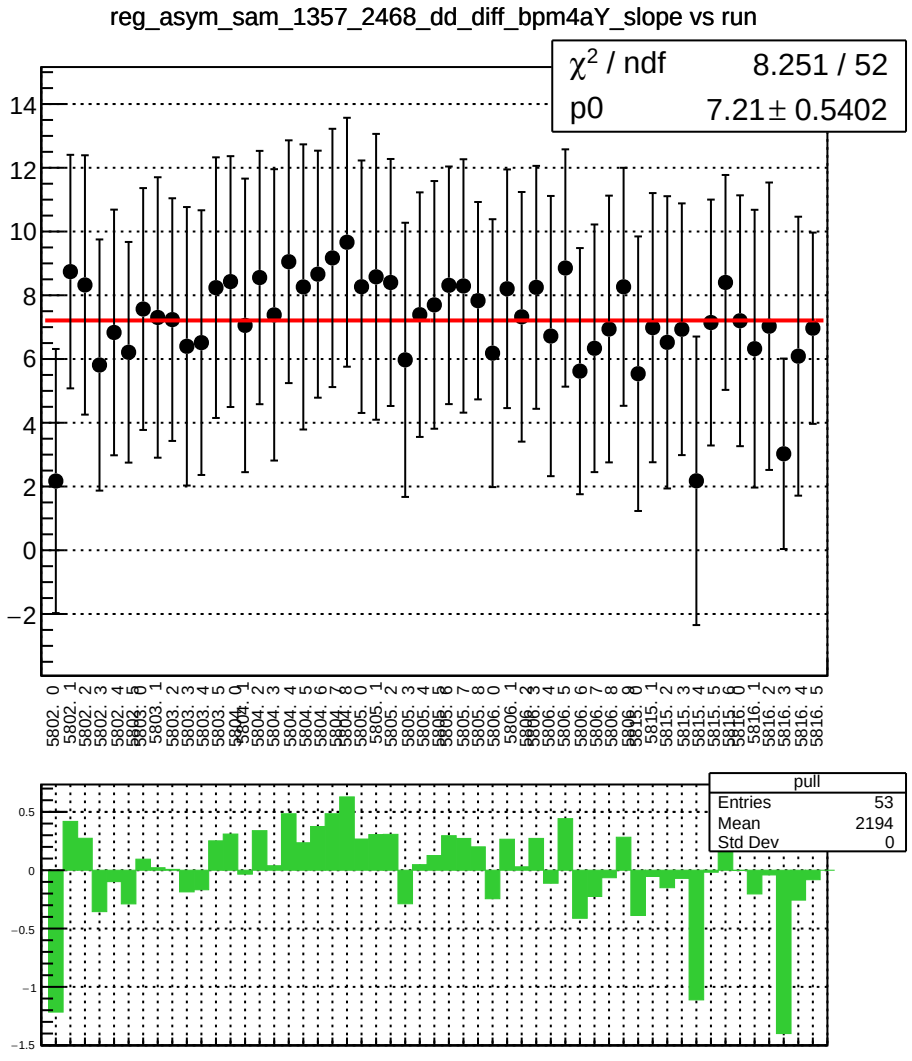

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.53 / 52
p0 −99.77 ± 1.441
pull
Entries 53
Mean −90.74
Std Dev 0
pull1D
Entries 53
Mean −0.007371
Std Dev 0.2184

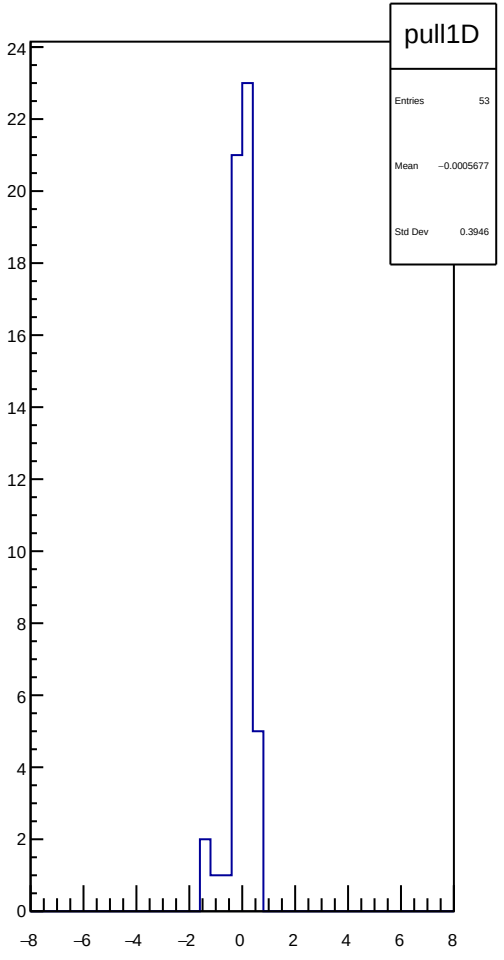

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.368 / 52
p0 −8.544 ± 1.778
pull
Entries 53
Mean −1.784e+04
Std Dev 0
pull1D
Entries 53
Mean 8.759e−05
Std Dev 0.4204

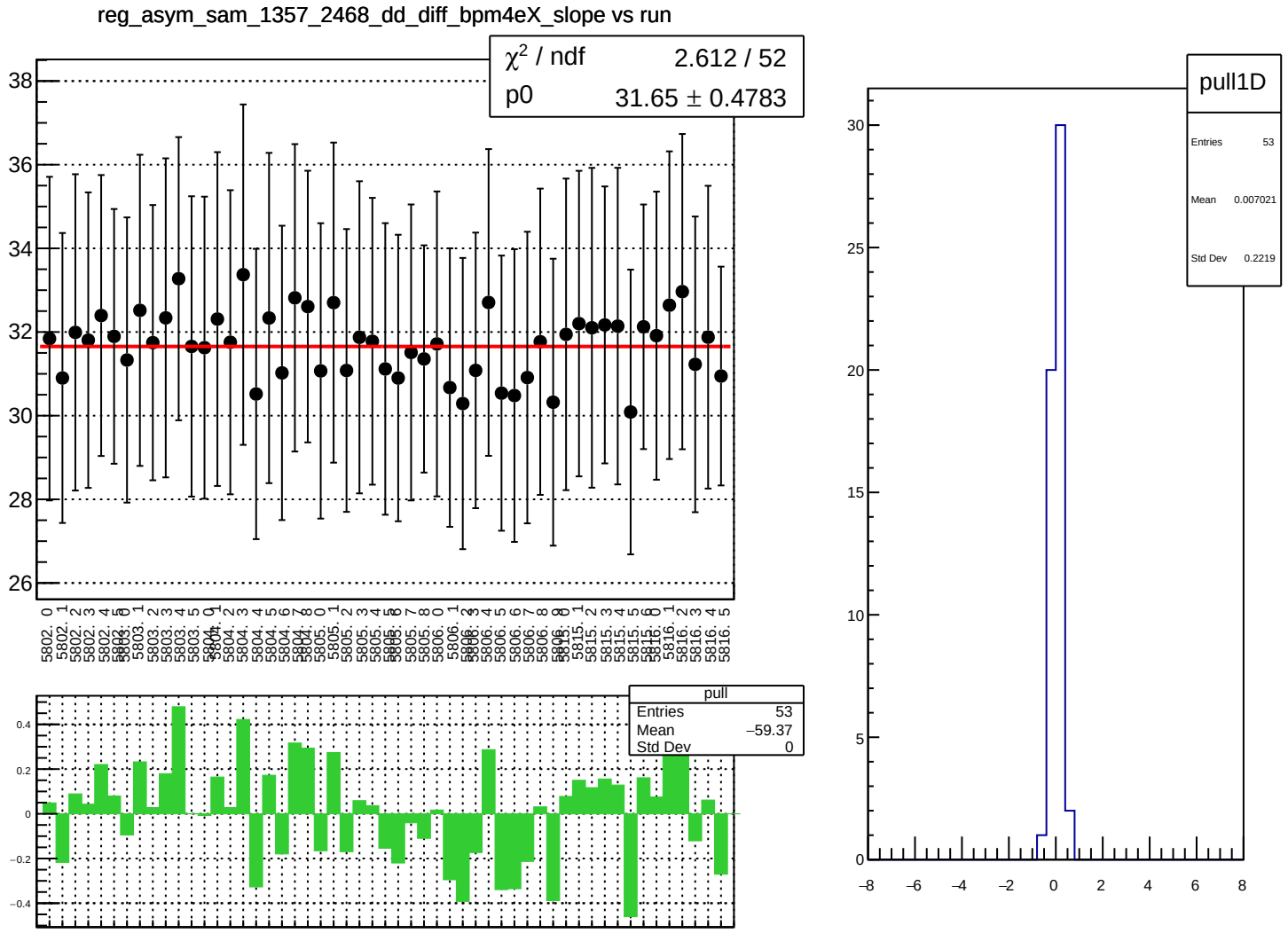

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.064 / 52
p0 −0.3288 ± 0.1127
pull
Entries 53
Mean −396.6
Std Dev 0
pull1D
Entries 53
Mean 0.002903
Std Dev 0.1973

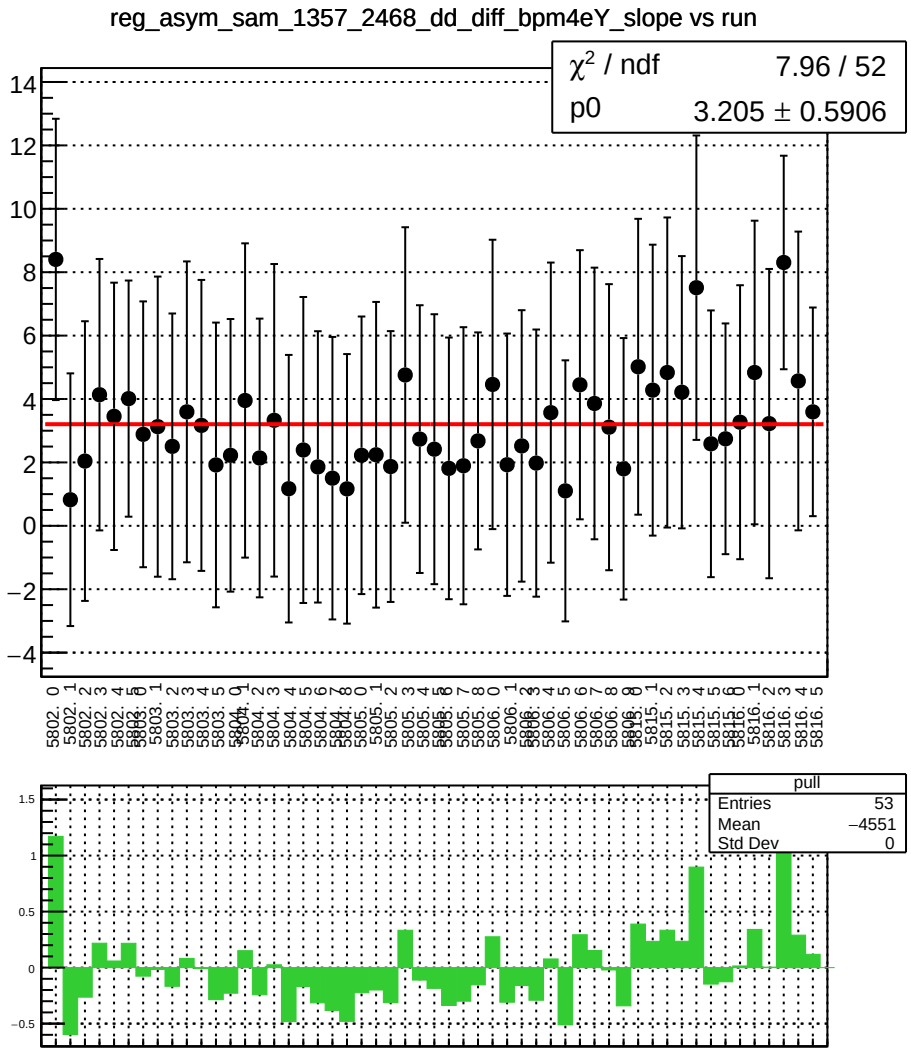

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.63 / 52
p0 0.438 ± 0.3268
pull
Entries 53
Mean −246.5
Std Dev 0

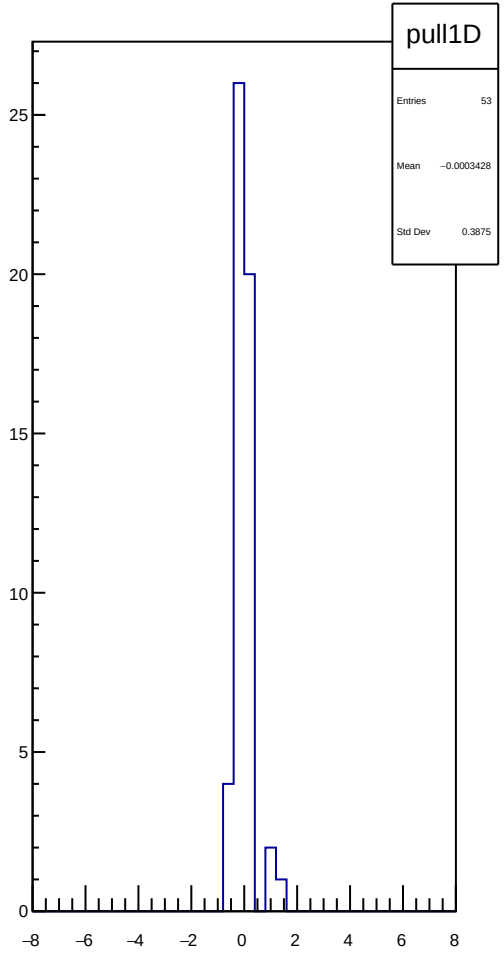

pull1D
Entries 53
Mean −0.003694
Std Dev 0.1753

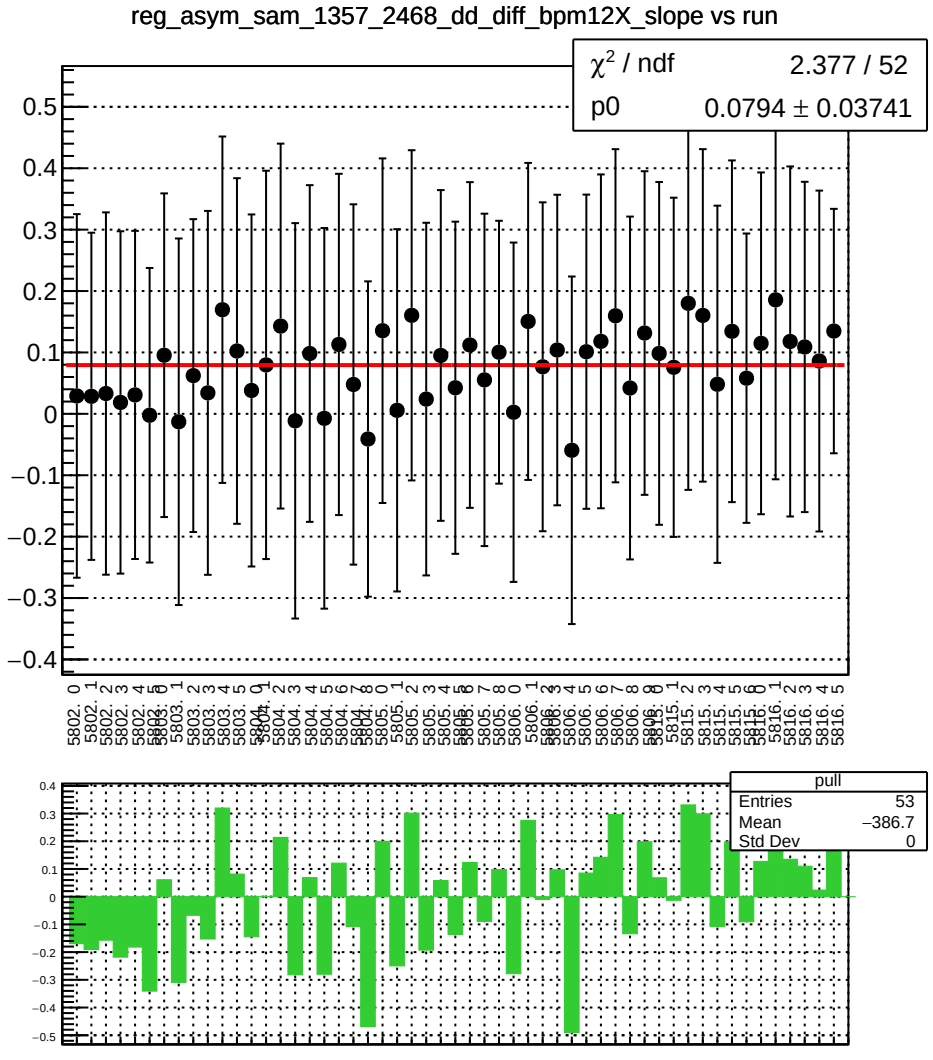

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.251 / 52
p0 7.21 ± 0.5402
pull
Entries 53
Mean 2194
Std Dev 0

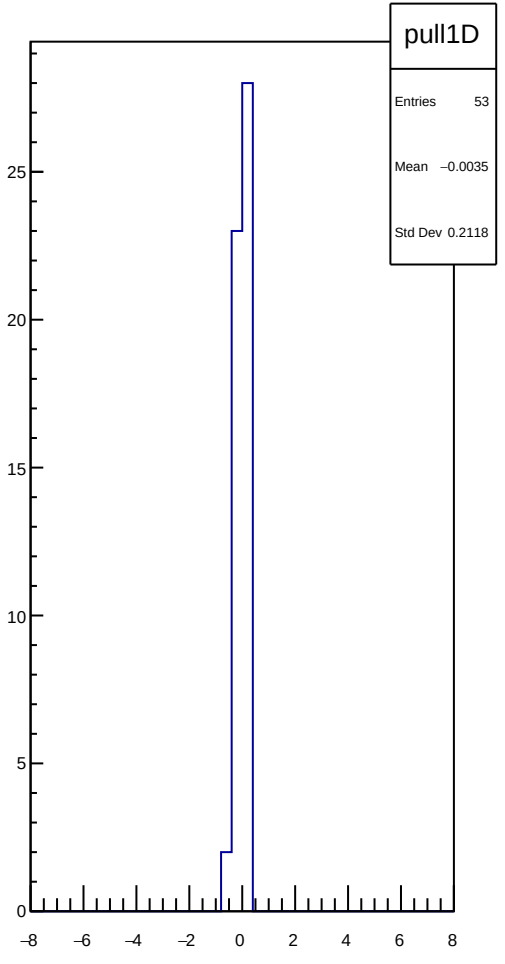

pull1D
Entries 53
Mean −0.0005677
Std Dev 0.3946

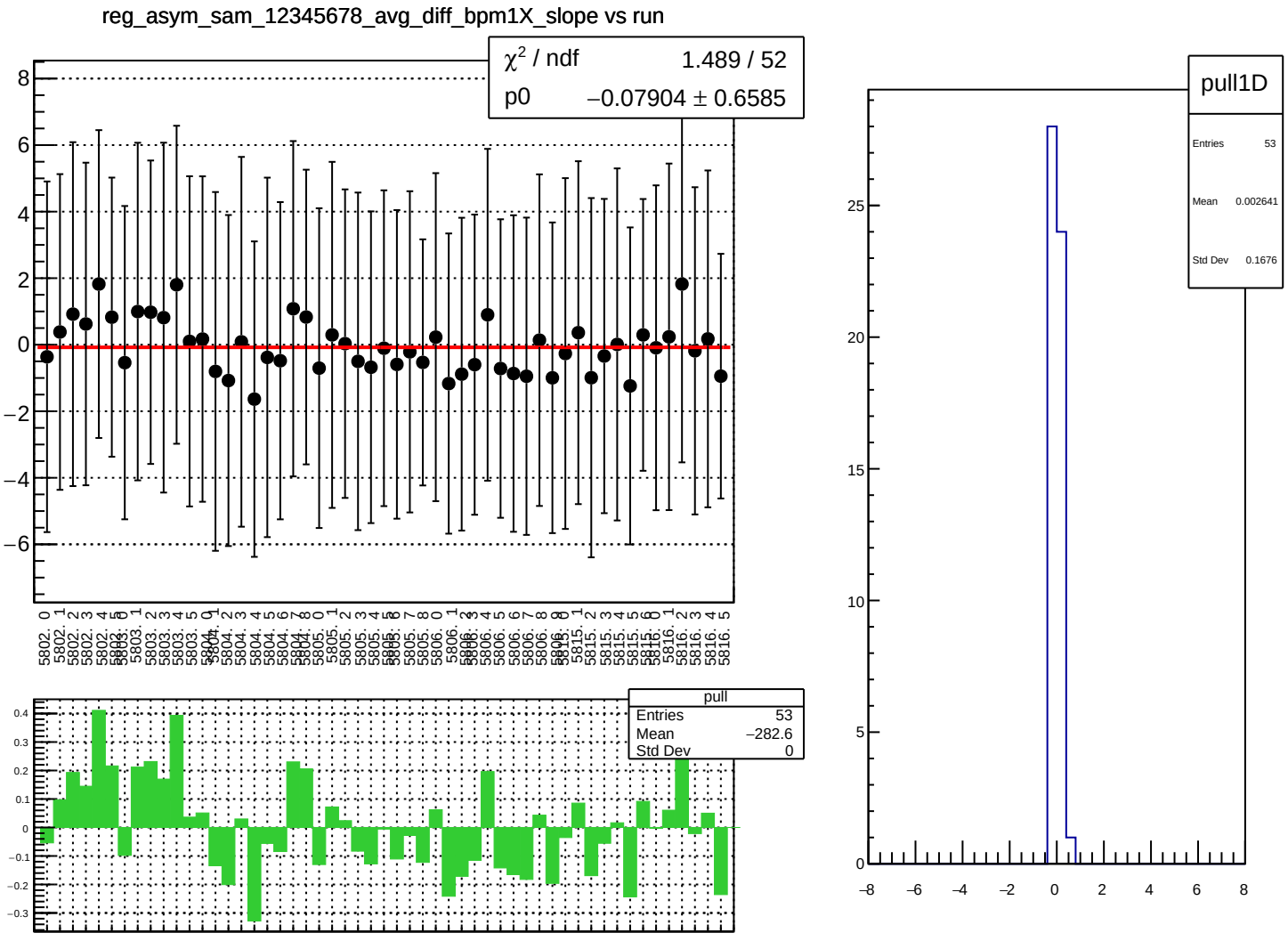

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.612 / 52
p0 31.65 ± 0.4783
pull
Entries 53
Mean −59.37
Std Dev 0
pull1D
Entries 53
Mean 0.007021
Std Dev 0.2219

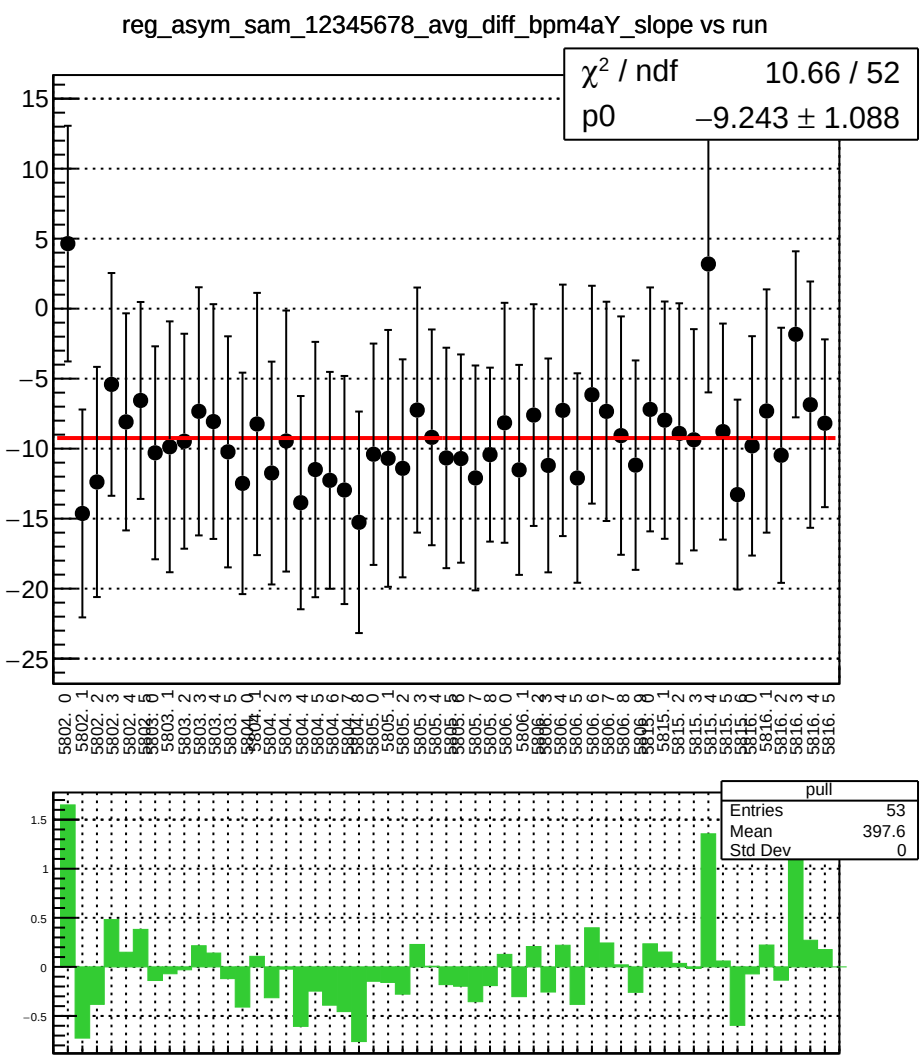

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.96 / 52
p0 3.205 ± 0.5906
pull
Entries 53
Mean −4551
Std Dev 0

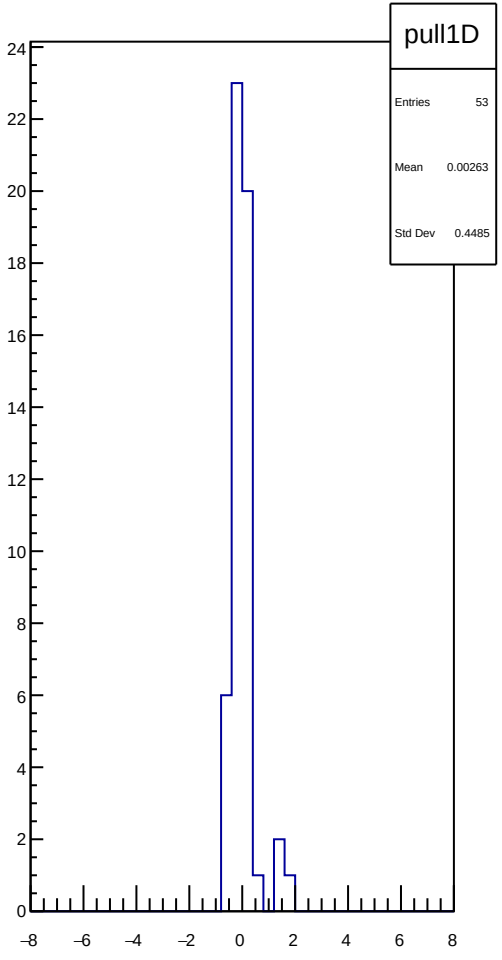

pull1D
Entries 53
Mean −0.0003428
Std Dev 0.3875

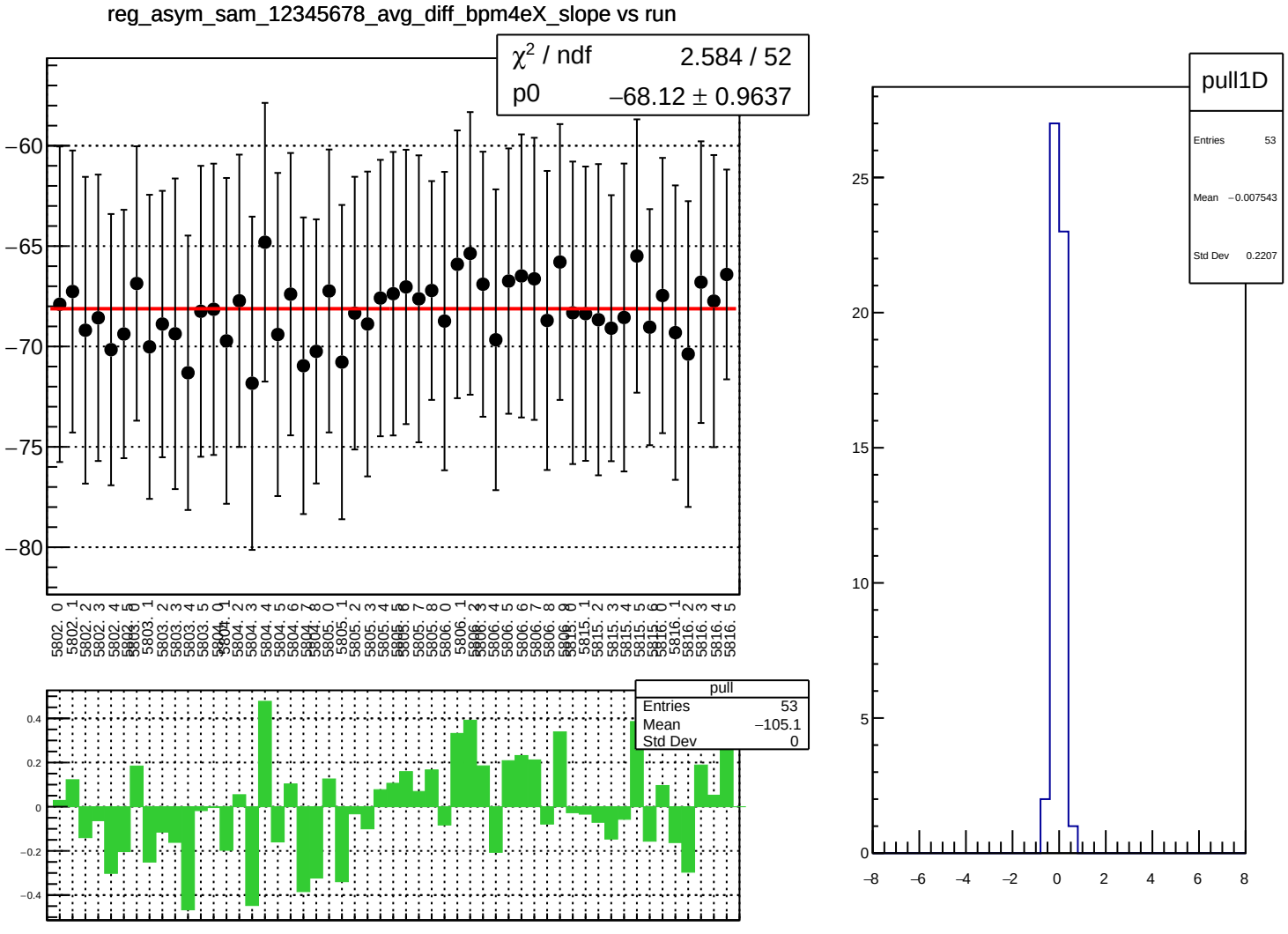

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.377 / 52
p0 0.0794 ± 0.03741
pull
Entries 53
Mean −386.7
Std Dev 0

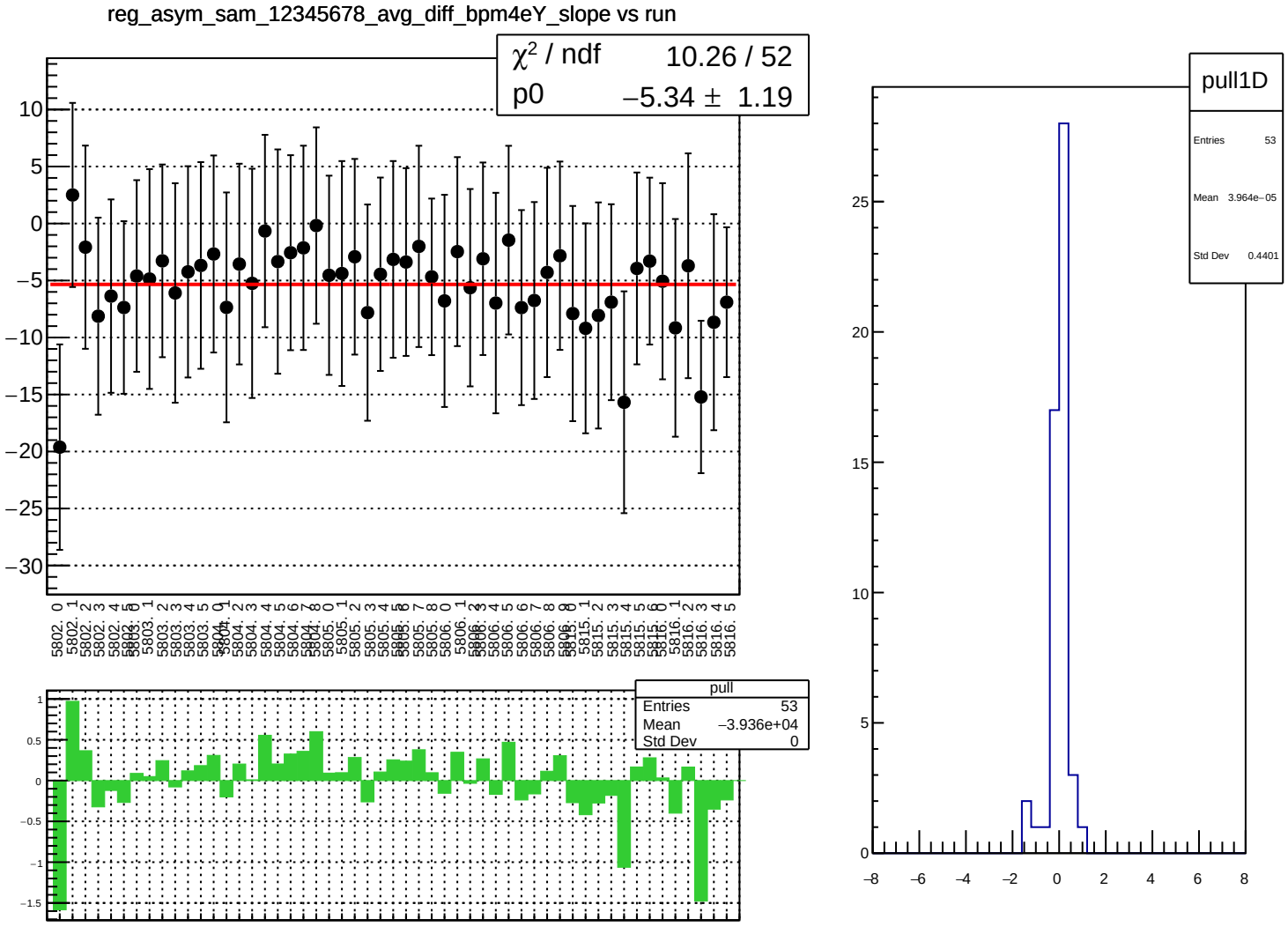

pull1D
Entries 53
Mean −0.0035
Std Dev 0.2118

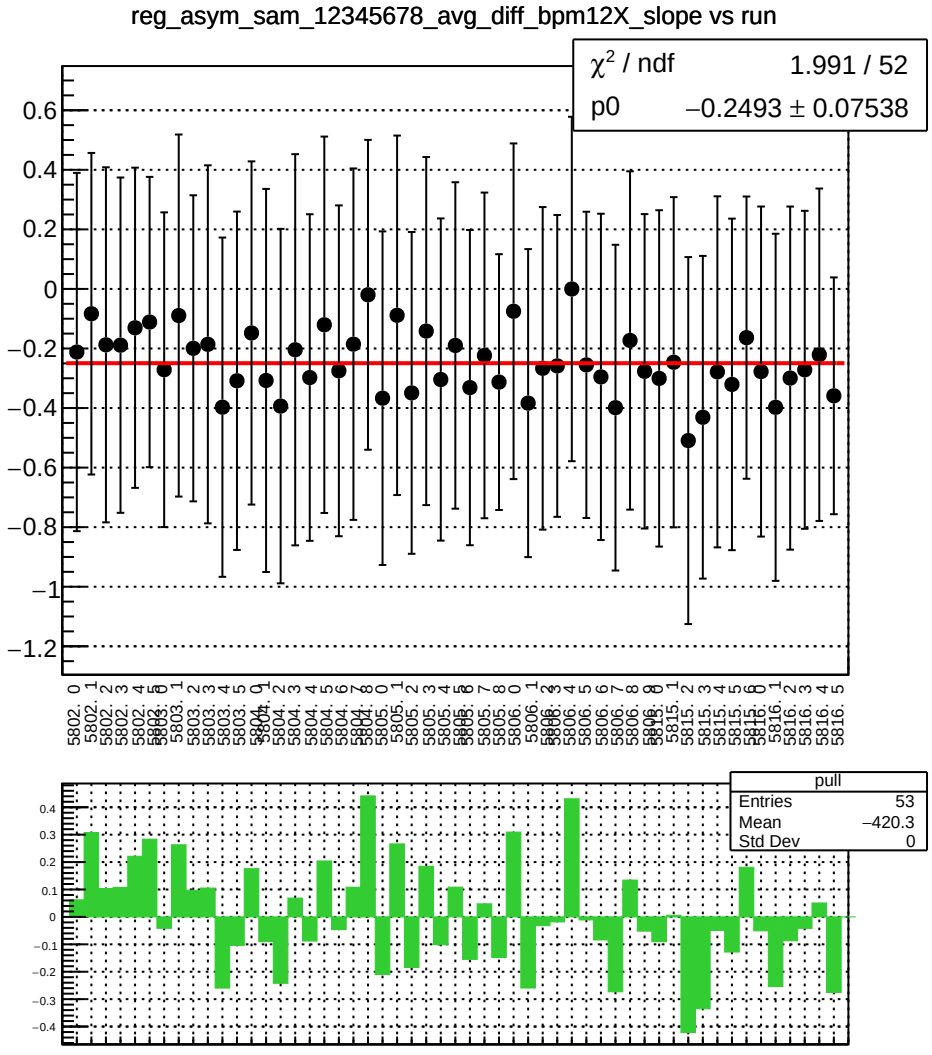

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.489 / 52
p0 −0.07904 ± 0.6585
pull
Entries 53
Mean −282.6
Std Dev 0
pull1D
Entries 53
Mean 0.002641
Std Dev 0.1676

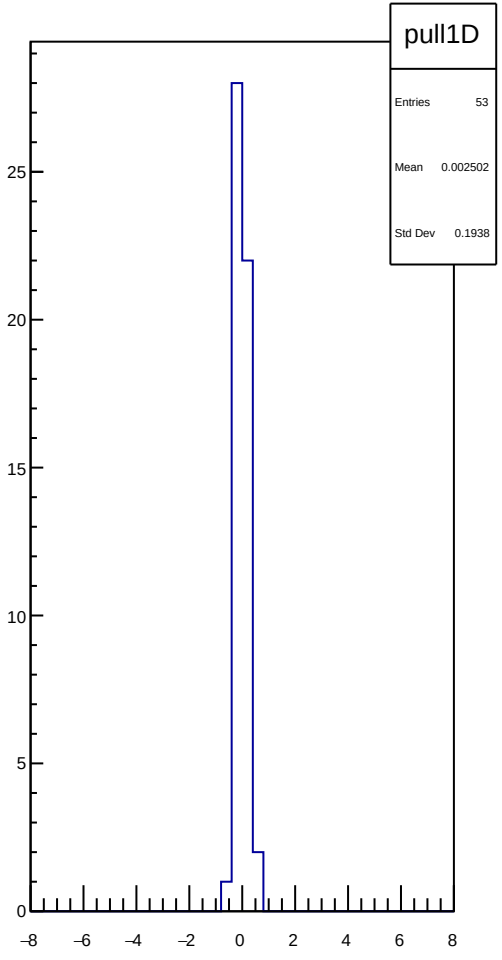

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.66 / 52
p0 −9.243 ± 1.088
pull
Entries 53
Mean 397.6
Std Dev 0

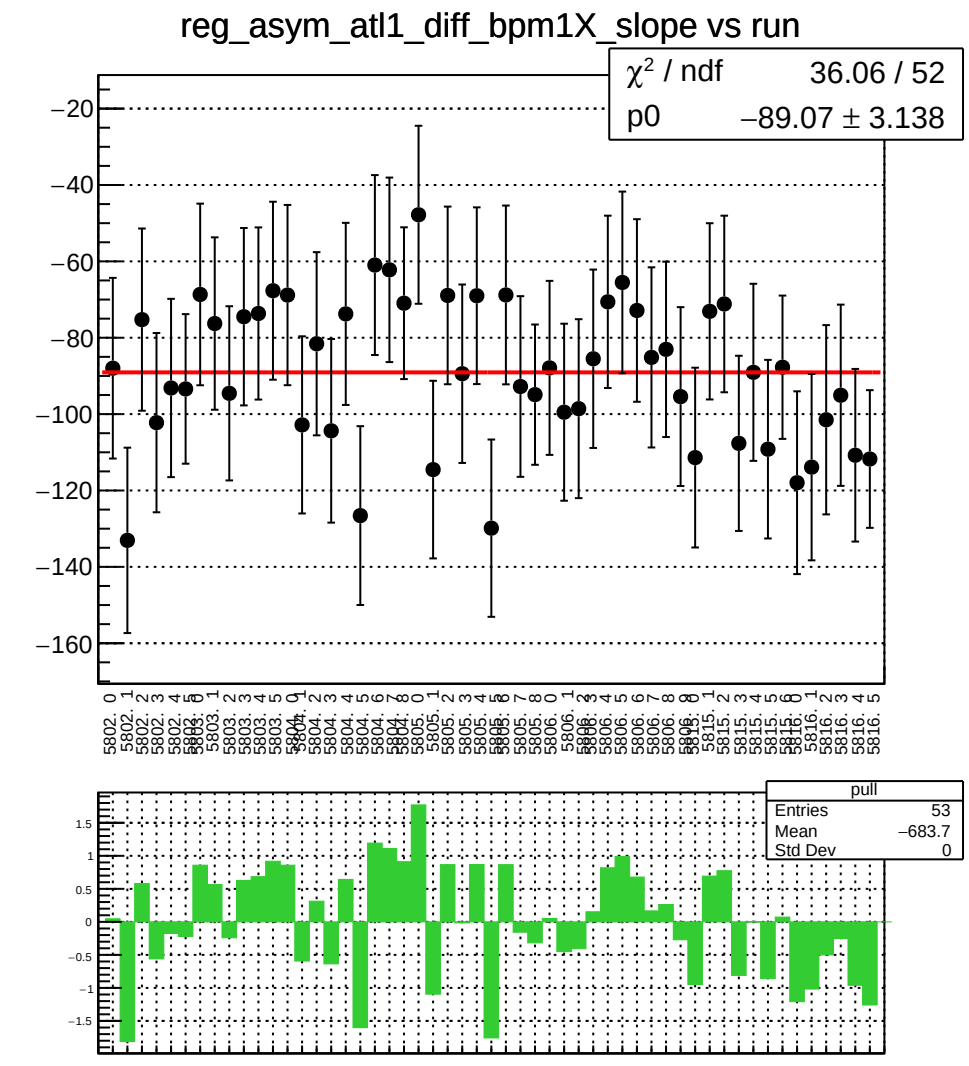

pull1D
Entries 53
Mean 0.00263
Std Dev 0.4485

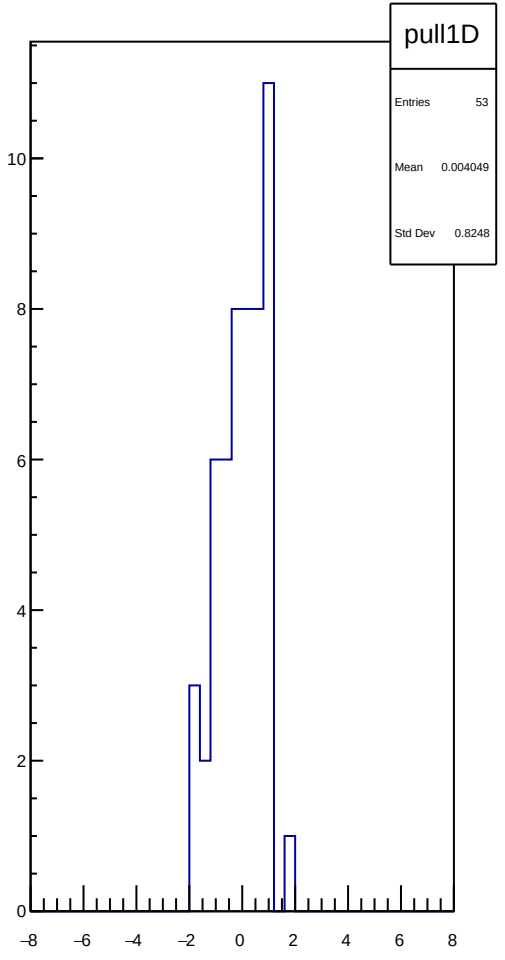

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.584 / 52
p0 −68.12 ± 0.9637
−60
−65
−70
−75
−80
pull
Entries 53
Mean −105.1
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 53
Mean −0.007543
Std Dev 0.2207
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

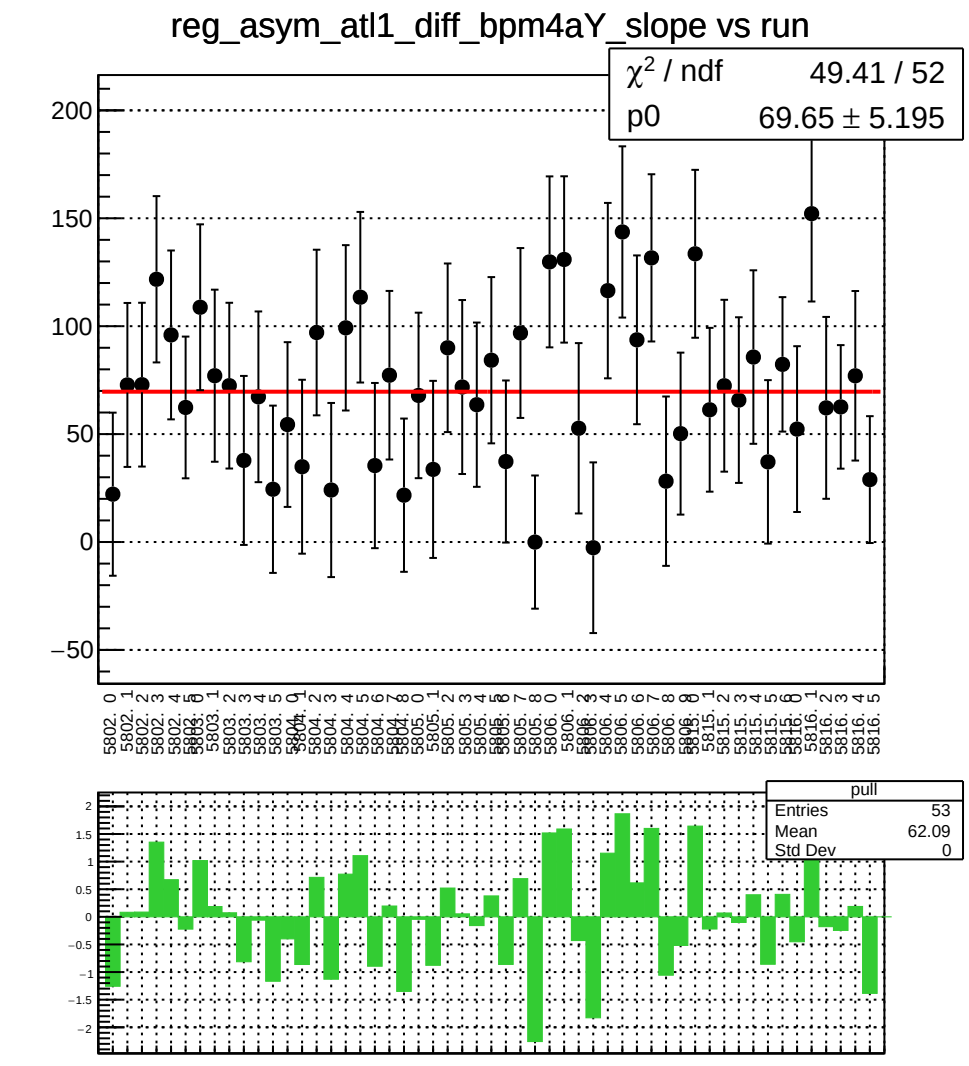

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.26 / 52
p0 −5.34 ± 1.19
pull
Entries 53
Mean −3.936e+04
Std Dev 0
pull1D
Entries 53
Mean 3.964e−05
Std Dev 0.4401

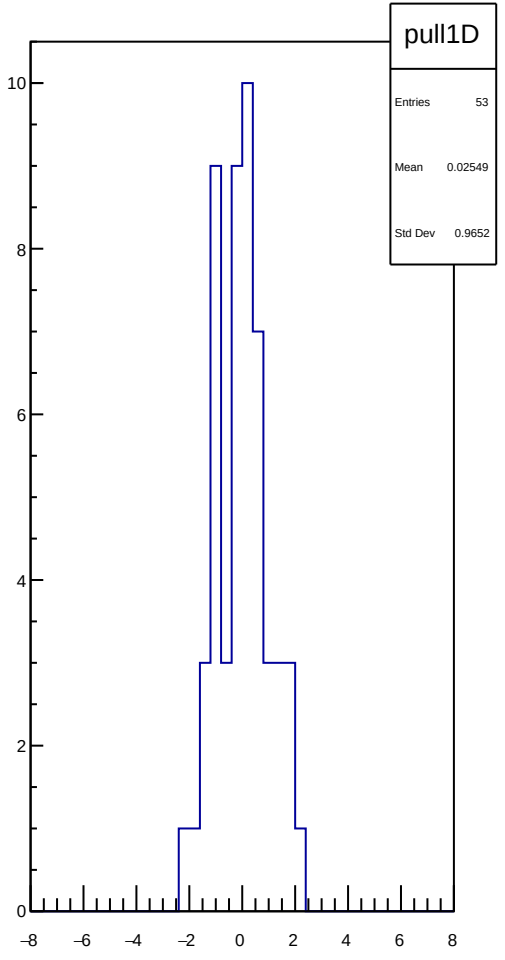

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.991 / 52
p0 −0.2493 ± 0.07538
pull
Entries 53
Mean −420.3
Std Dev 0

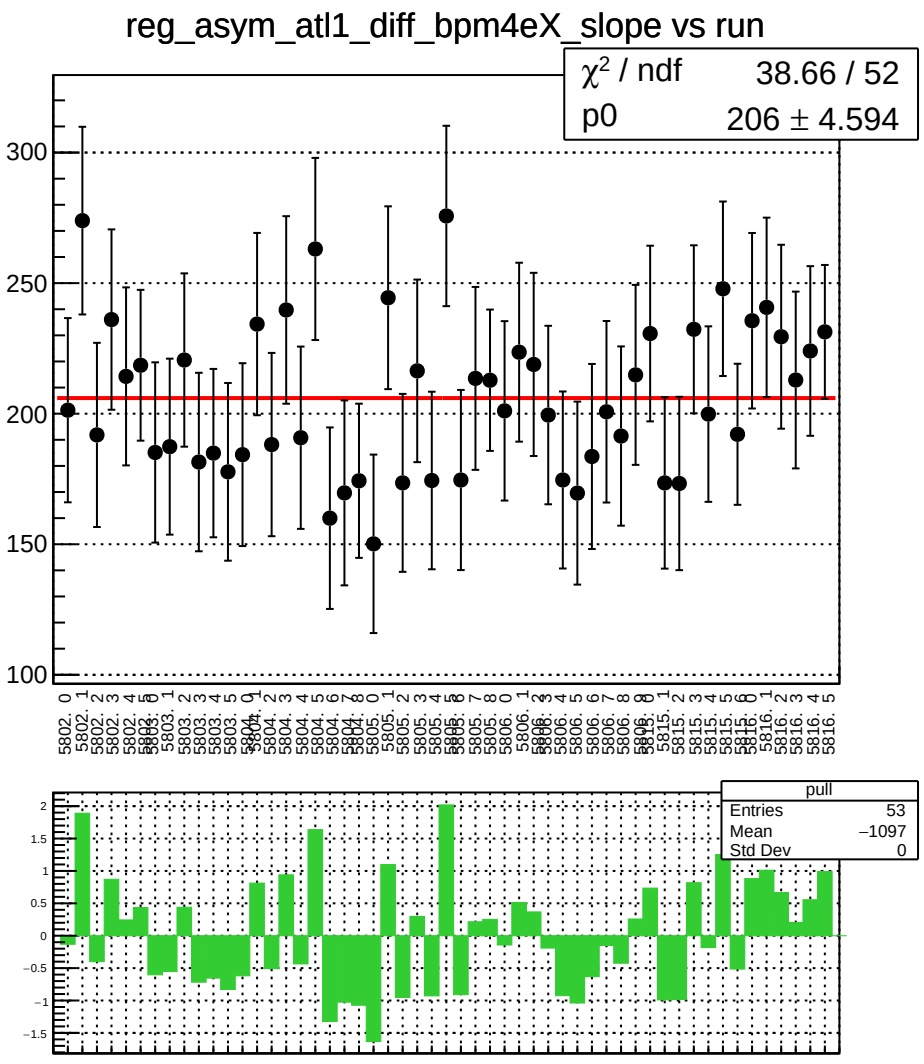

pull1D
Entries 53
Mean 0.002502
Std Dev 0.1938

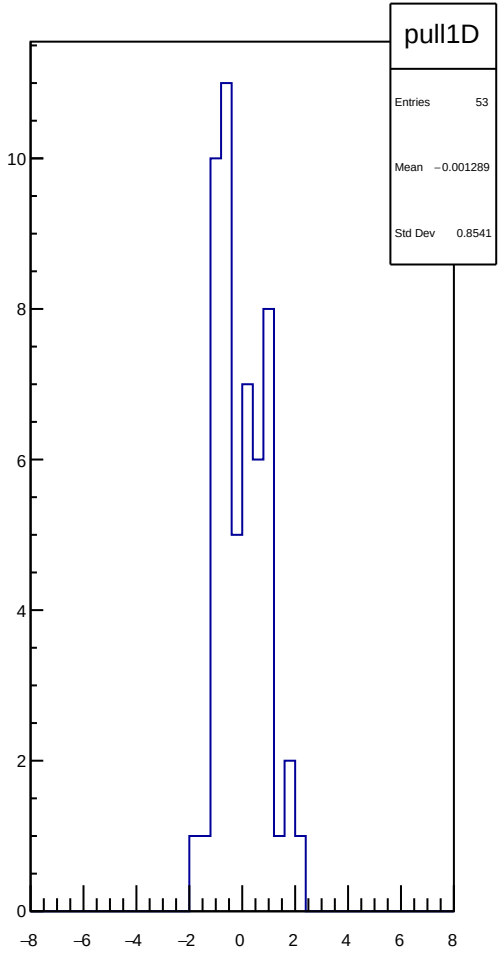

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 36.06 / 52
p0 −89.07 ± 3.138
pull
Entries 53
Mean −683.7
Std Dev 0

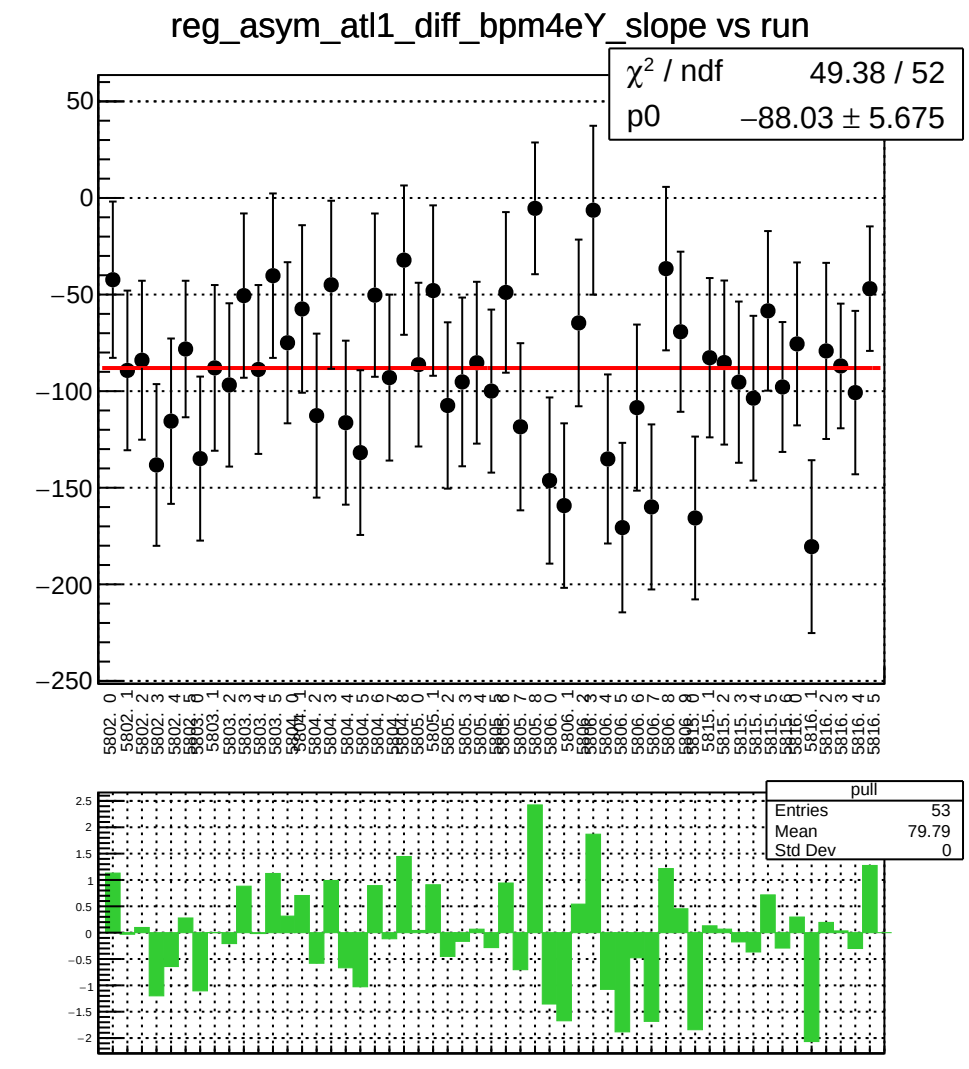

pull1D
Entries 53
Mean 0.004049
Std Dev 0.8248

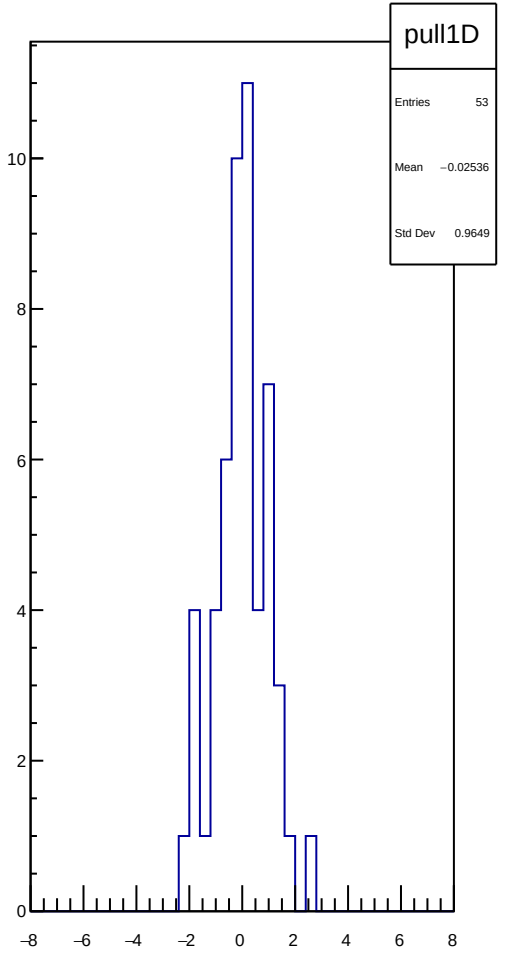

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 49.41 / 52
p0 69.65 ± 5.195
pull
Entries 53
Mean 62.09
Std Dev 0

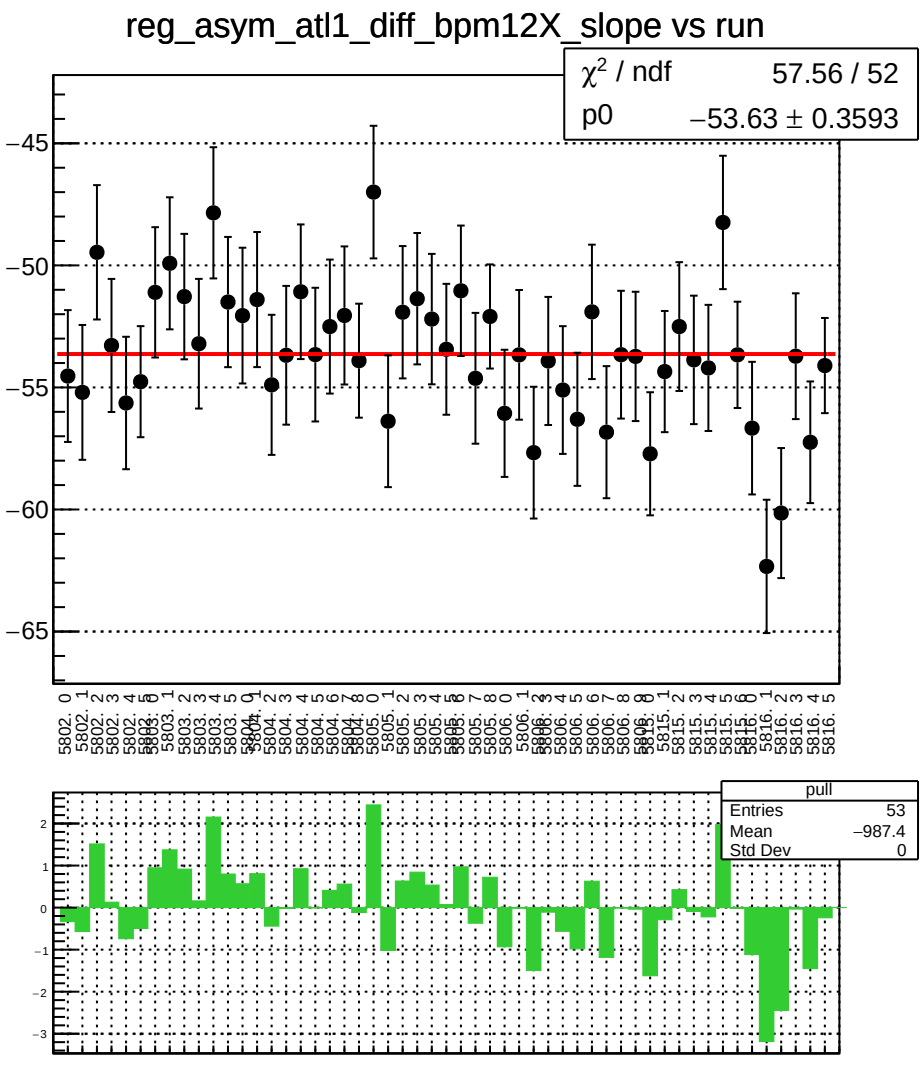

pull1D
Entries 53
Mean 0.02549
Std Dev 0.9652

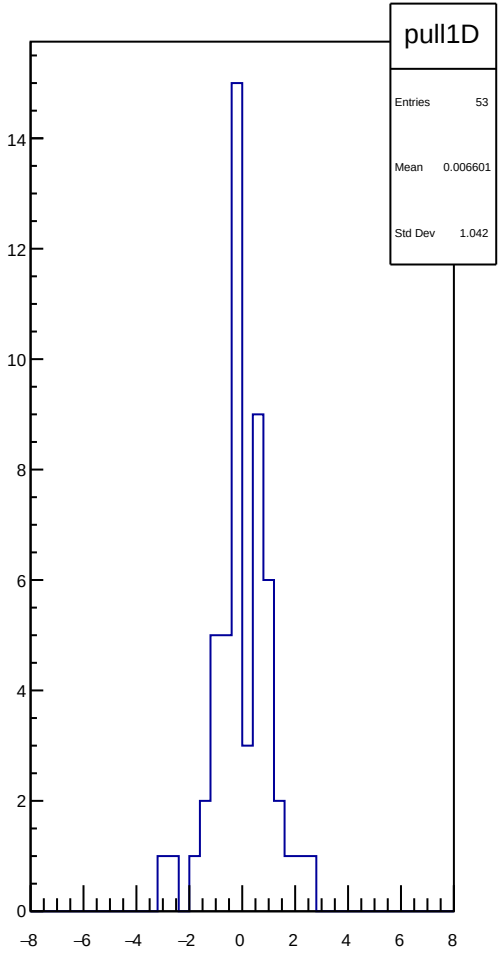

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 38.66 / 52
p0 206 ± 4.594
pull
Entries 53
Mean −1097
Std Dev 0

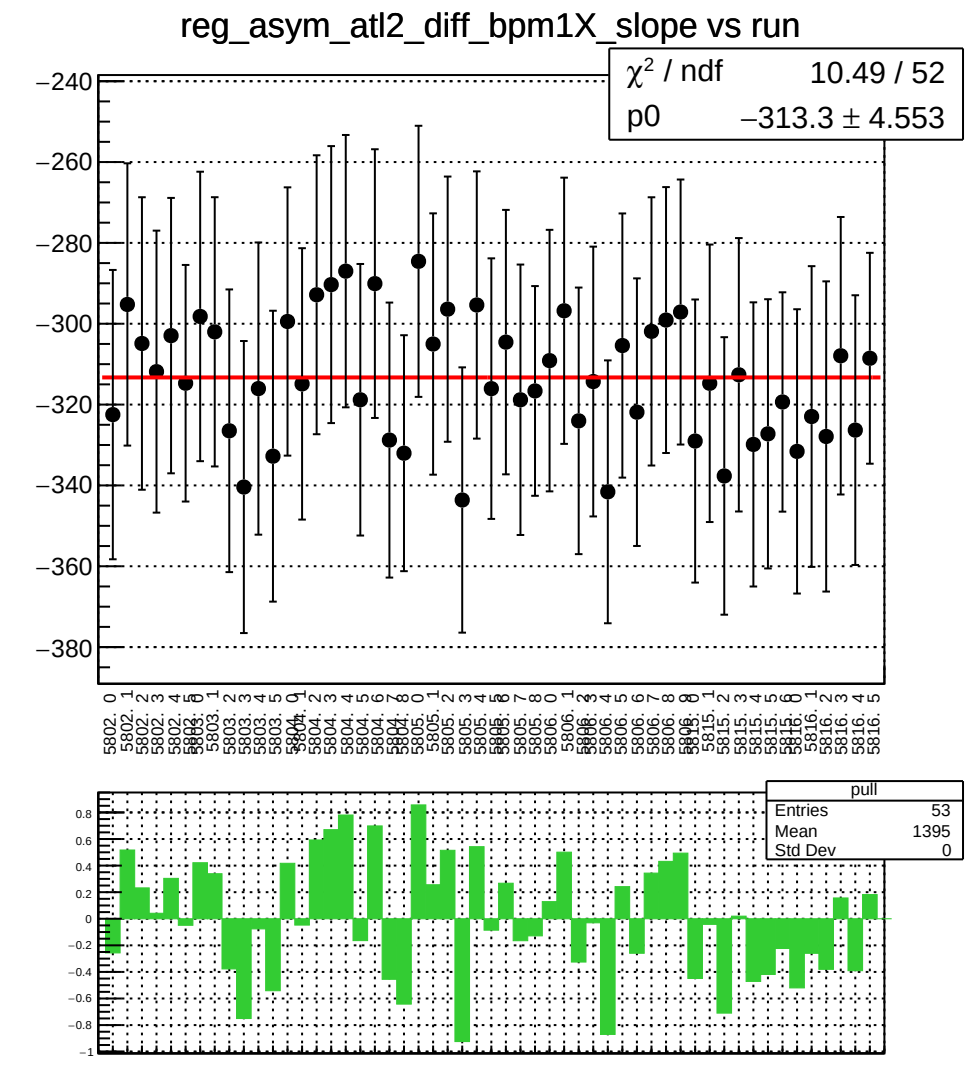

pull1D
Entries 53
Mean −0.001289
Std Dev 0.8541

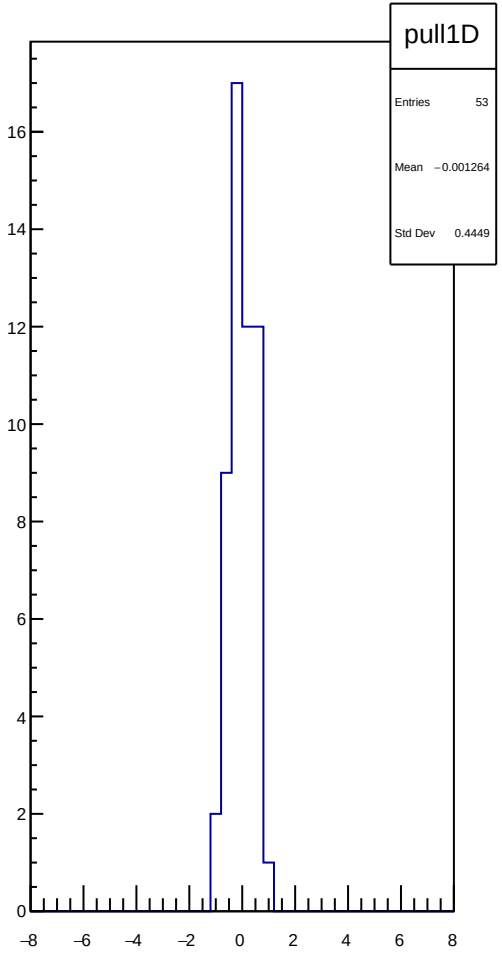

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.38 / 52
p0 −88.03 ± 5.675
pull
Entries 53
Mean 79.79
Std Dev 0

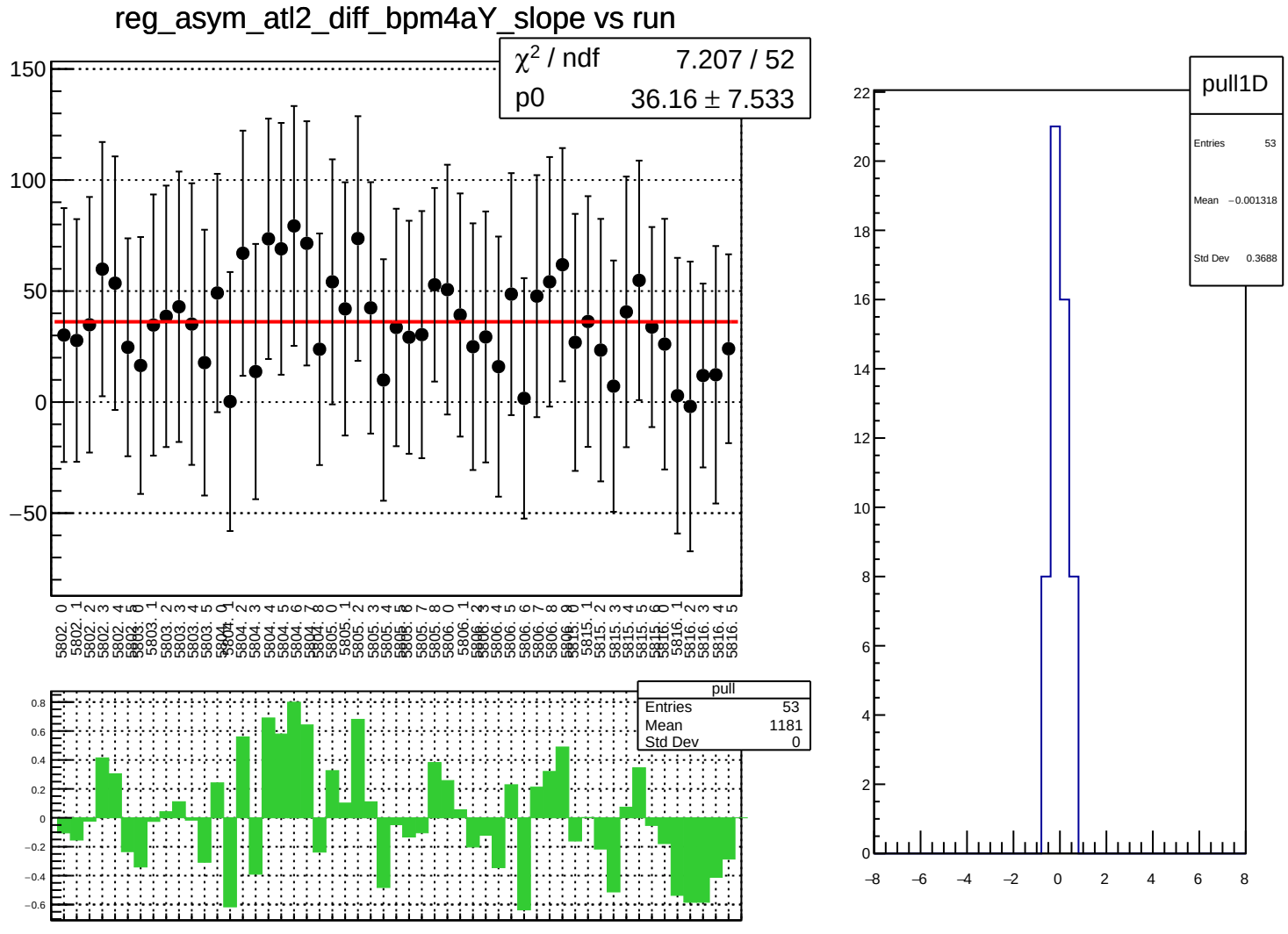

pull1D
Entries 53
Mean −0.02536
Std Dev 0.9649

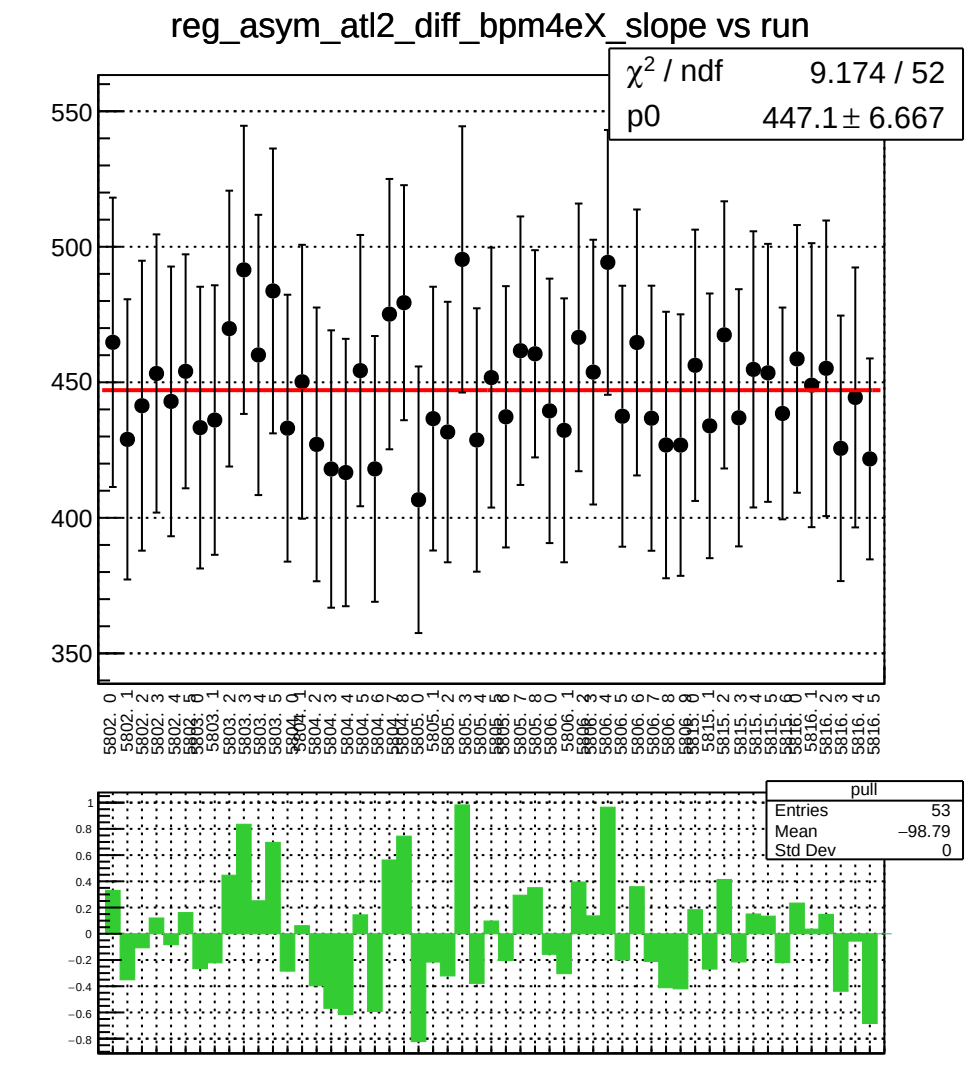

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 57.56 / 52
p0 −53.63 ± 0.3593
pull
Entries 53
Mean −987.4
Std Dev 0

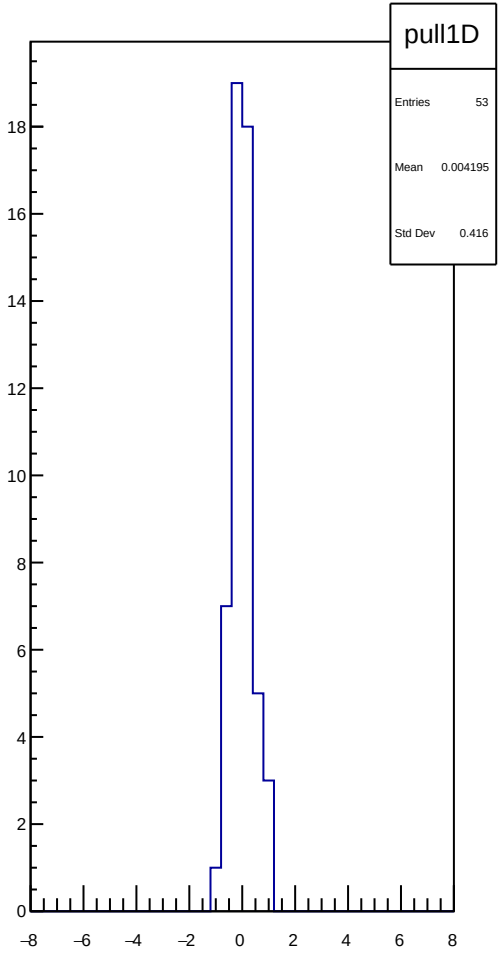

pull1D
Entries 53
Mean 0.006601
Std Dev 1.042

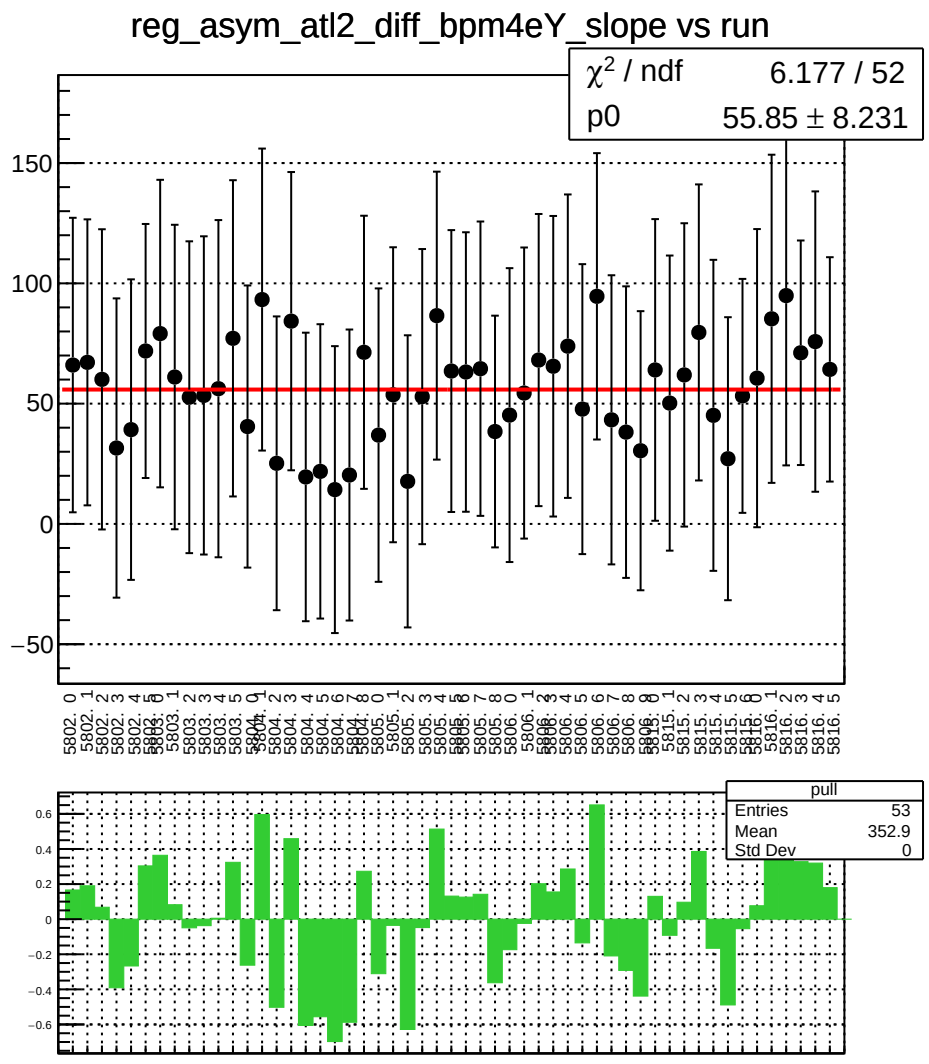

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.49 / 52
p0 −313.3 ± 4.553
pull
Entries 53
Mean 1395
Std Dev 0

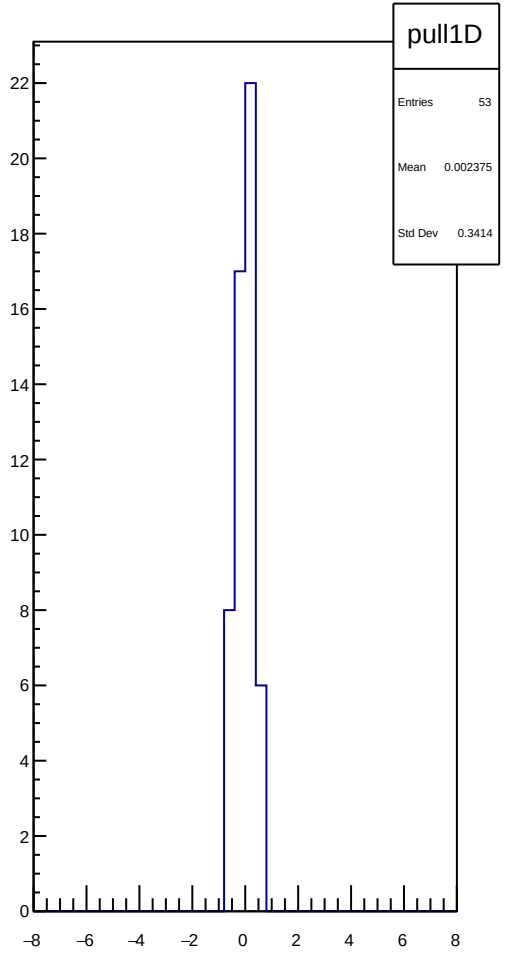

pull1D
Entries 53
Mean −0.001264
Std Dev 0.4449

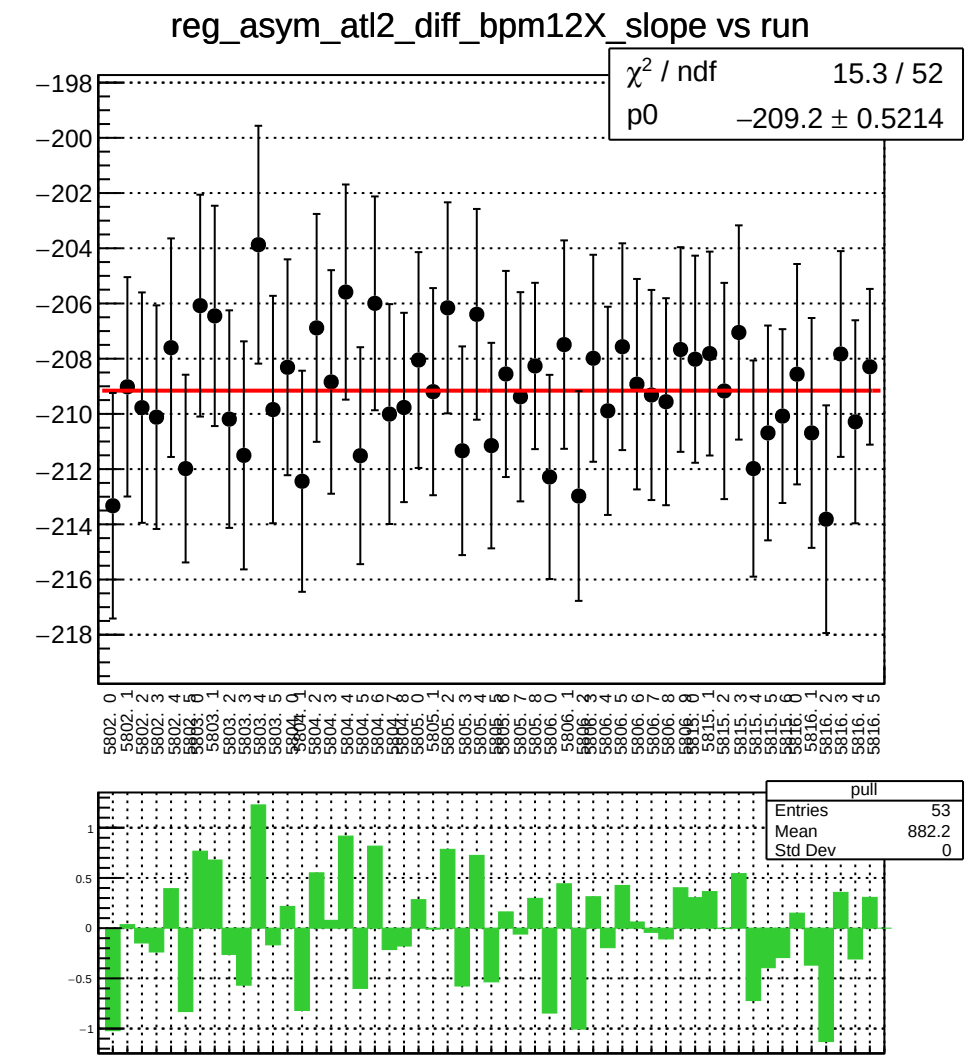

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.207 / 52
p0 36.16 ± 7.533
pull
Entries 53
Mean 1181
Std Dev 0
pull1D
Entries 53
Mean −0.001318
Std Dev 0.3688

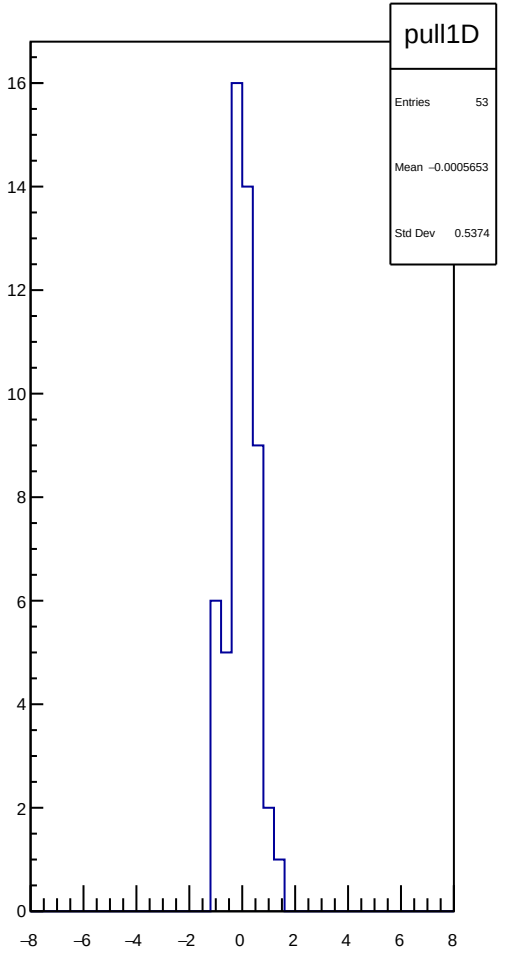

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 9.174 / 52
p0 447.1 ± 6.667
550
500
450
400
350
pull
Entries 53
Mean −98.79
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

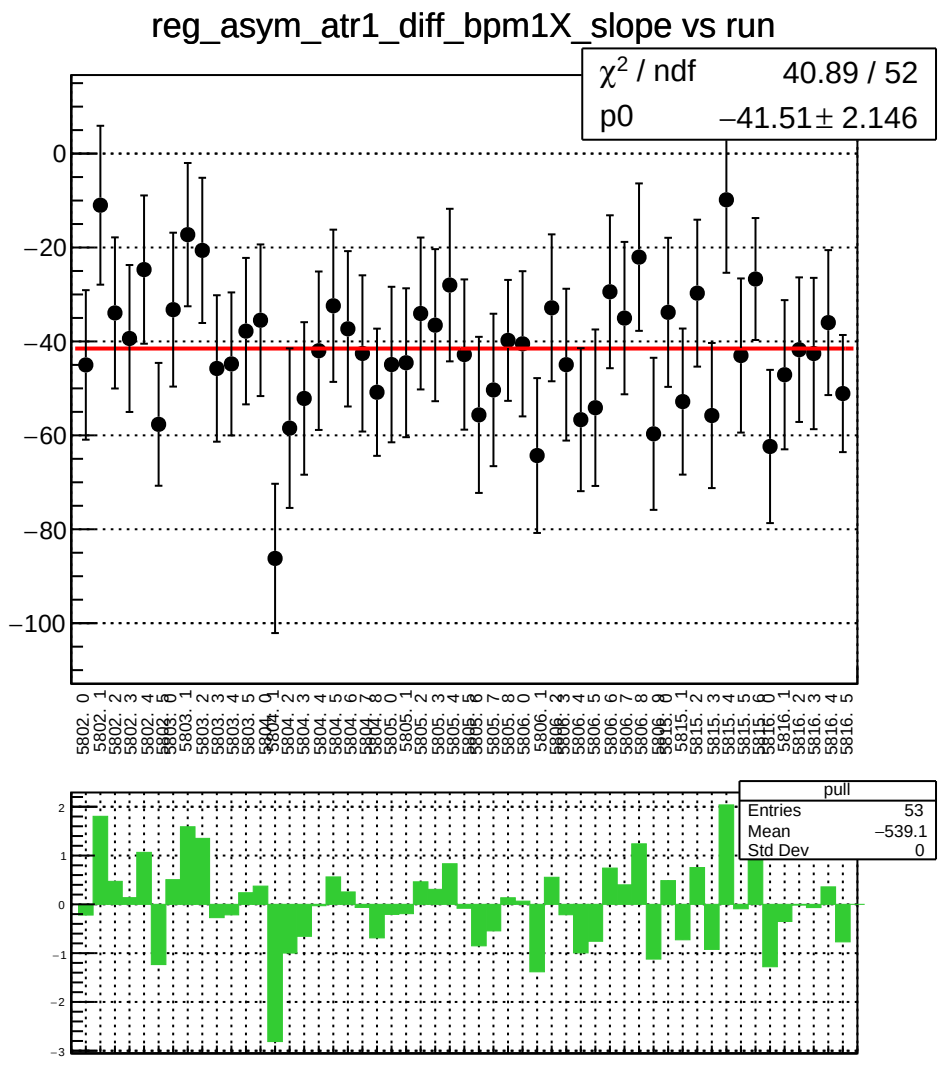

pull1D
Entries 53
Mean 0.004195
Std Dev 0.416
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

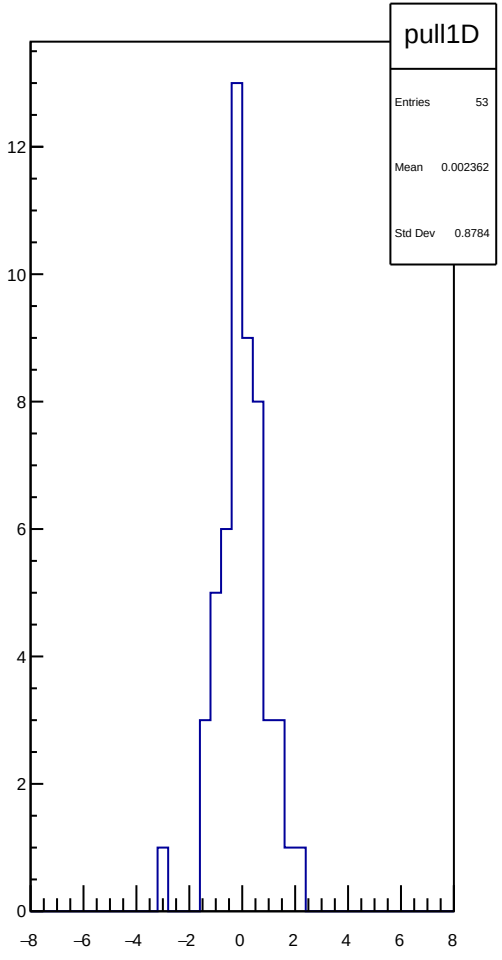

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.177 / 52
p0 55.85 ± 8.231
150
100
50
0
−50
pull
Entries 53
Mean 352.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

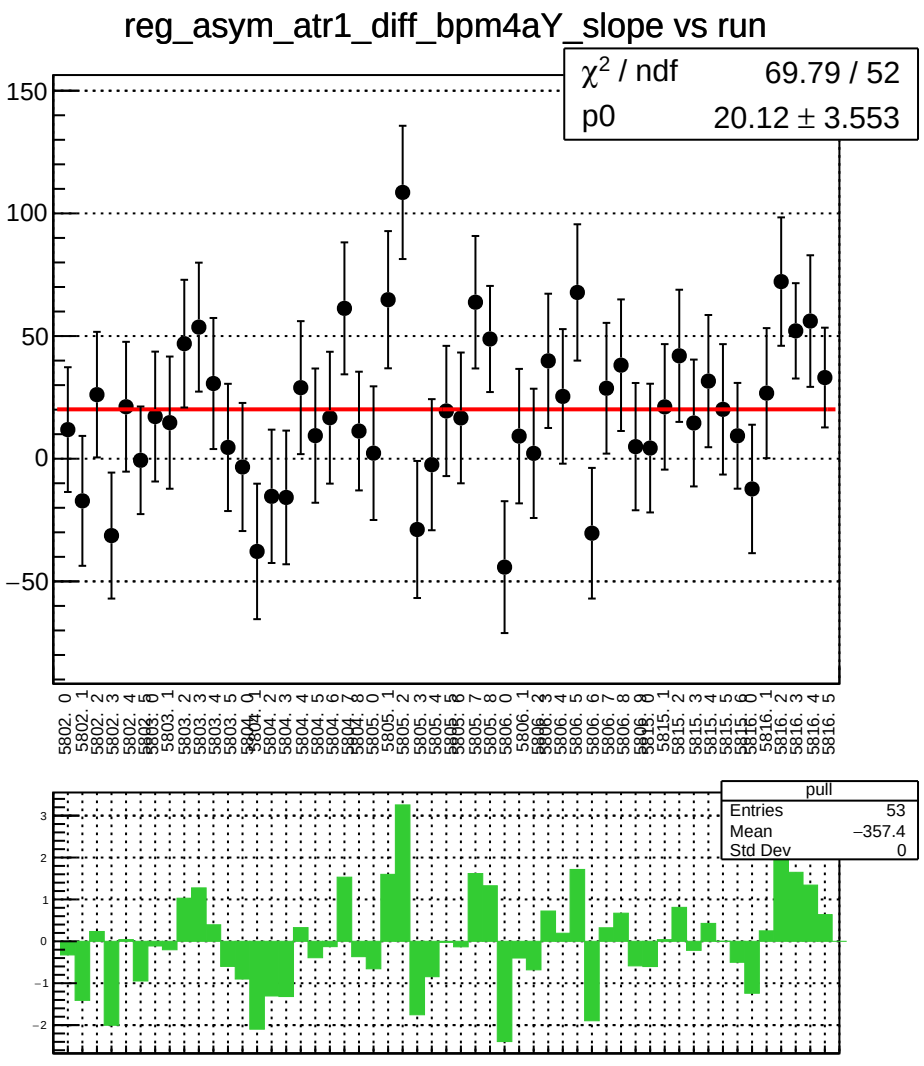

pull1D
Entries 53
Mean 0.002375
Std Dev 0.3414
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

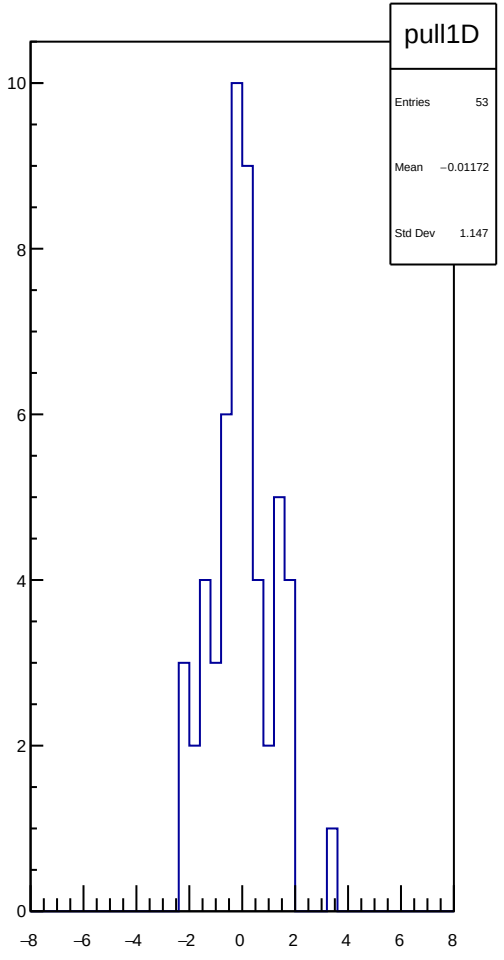

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 15.3 / 52
p0 −209.2 ± 0.5214
pull
Entries 53
Mean 882.2
Std Dev 0

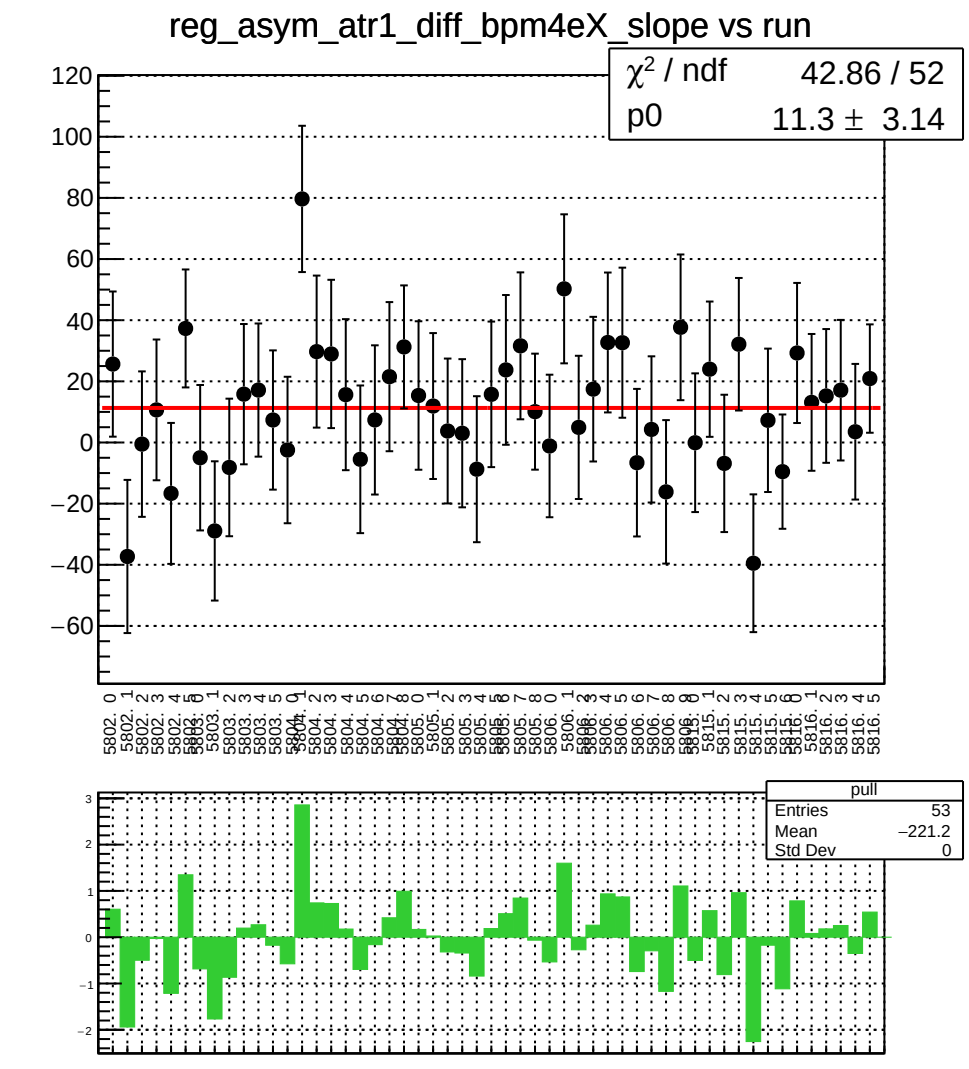

pull1D
Entries 53
Mean −0.0005653
Std Dev 0.5374

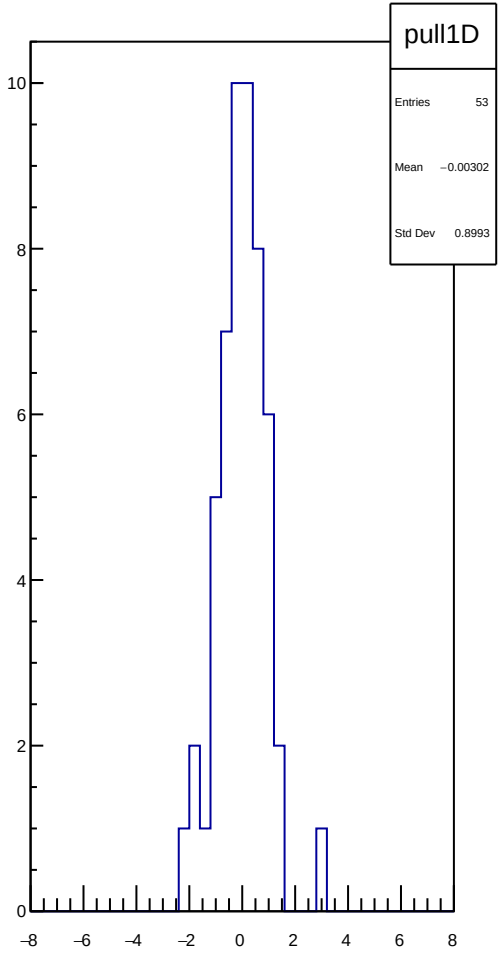

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 40.89 / 52
p0 −41.51 ± 2.146
pull
Entries 53
Mean −539.1
Std Dev 0

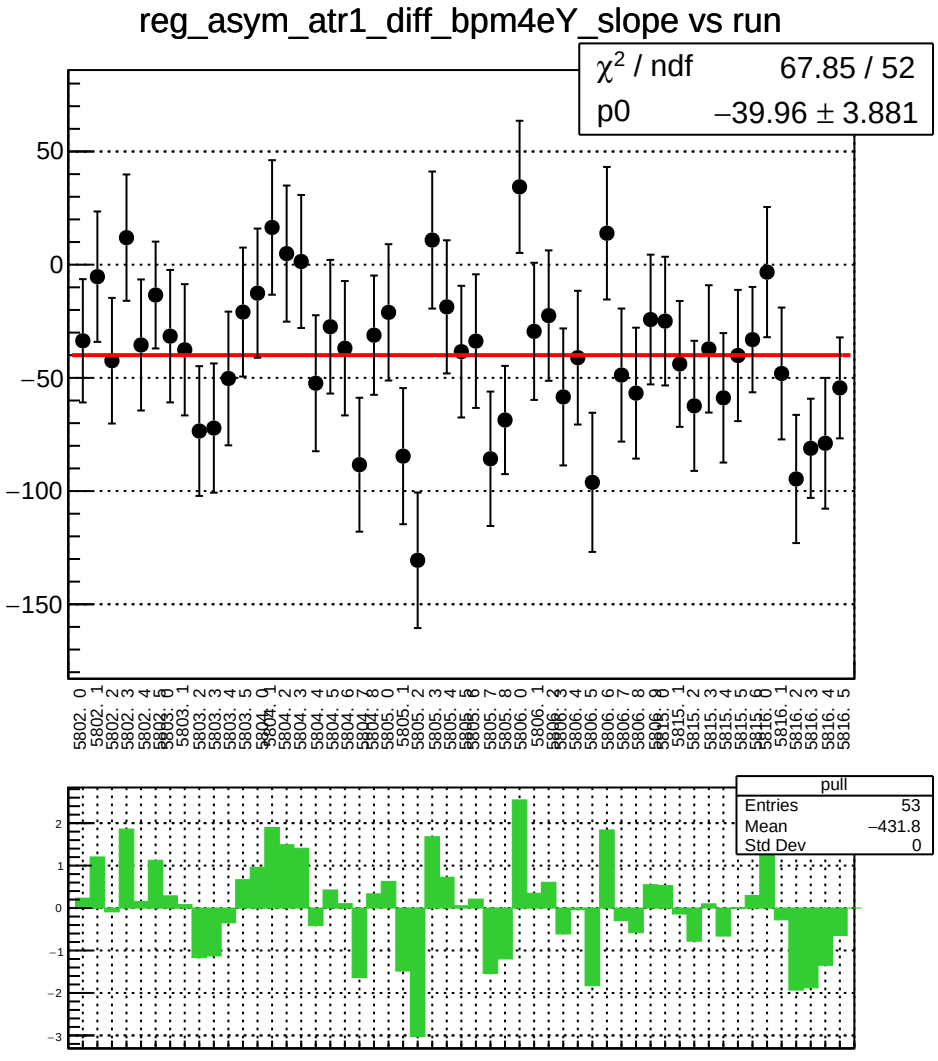

pull1D
Entries 53
Mean 0.002362
Std Dev 0.8784

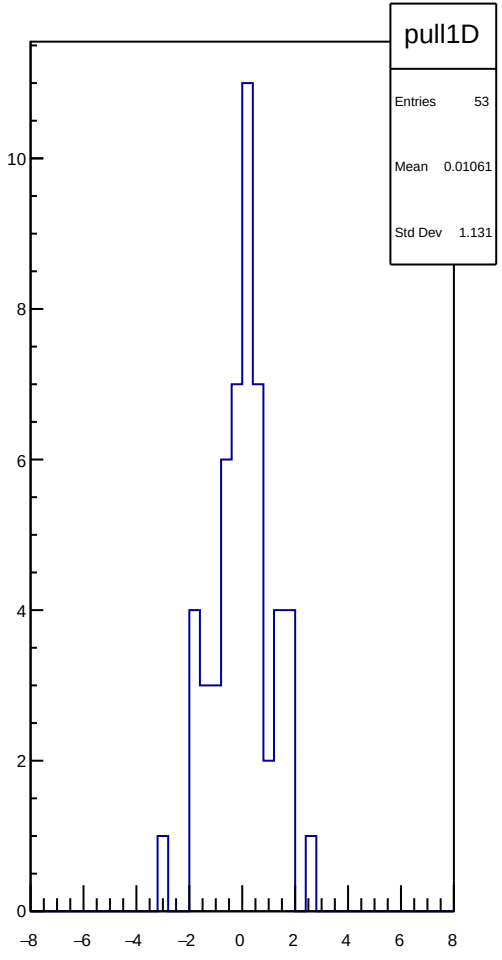

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 69.79 / 52
p0 20.12 ± 3.553
150
100
50
0
−50
pull
Entries 53
Mean −357.4
Std Dev 0
3
2
1
0
−1
−2

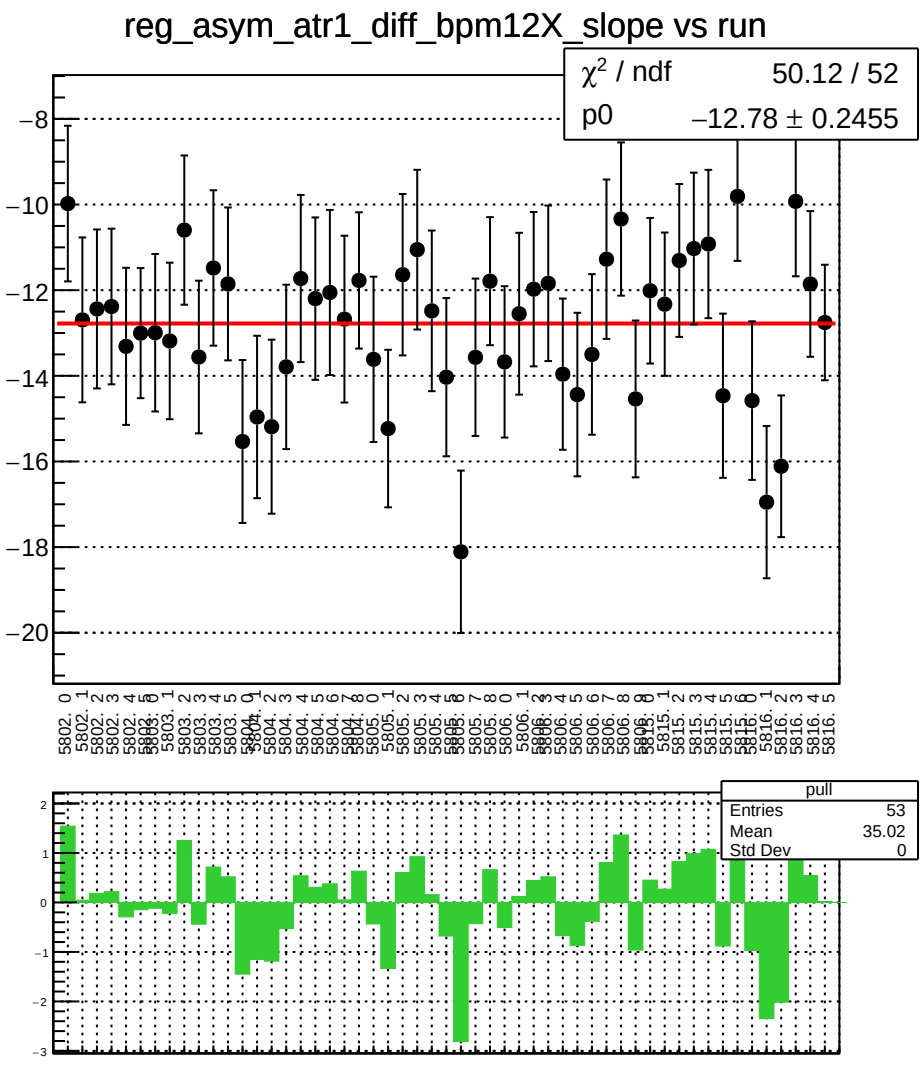

pull1D
Entries 53
Mean −0.01172
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

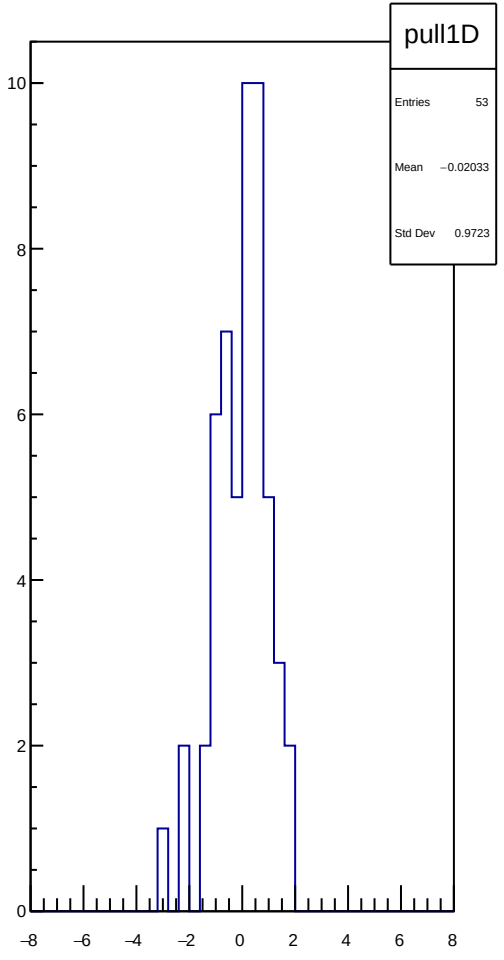

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 42.86 / 52
p0 11.3 ± 3.14
pull
Entries 53
Mean −221.2
Std Dev 0

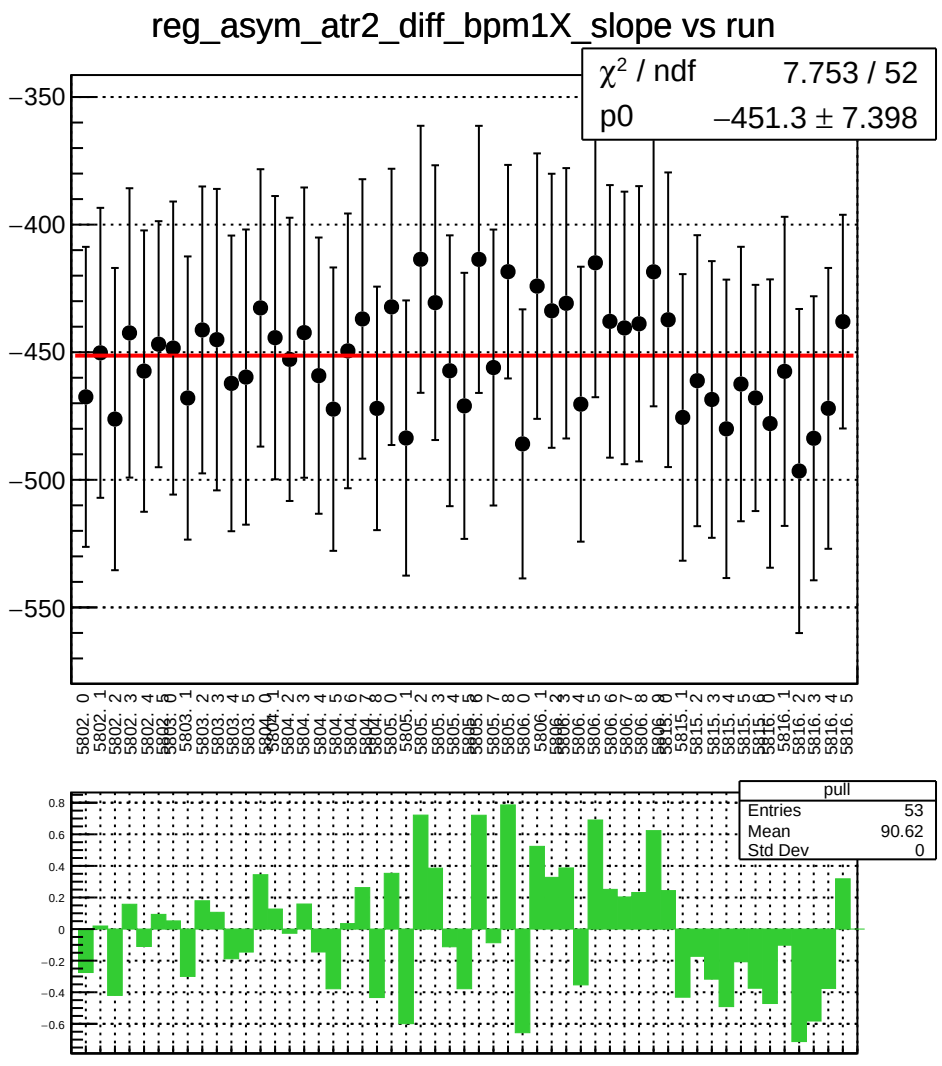

pull1D
Entries 53
Mean −0.00302
Std Dev 0.8993

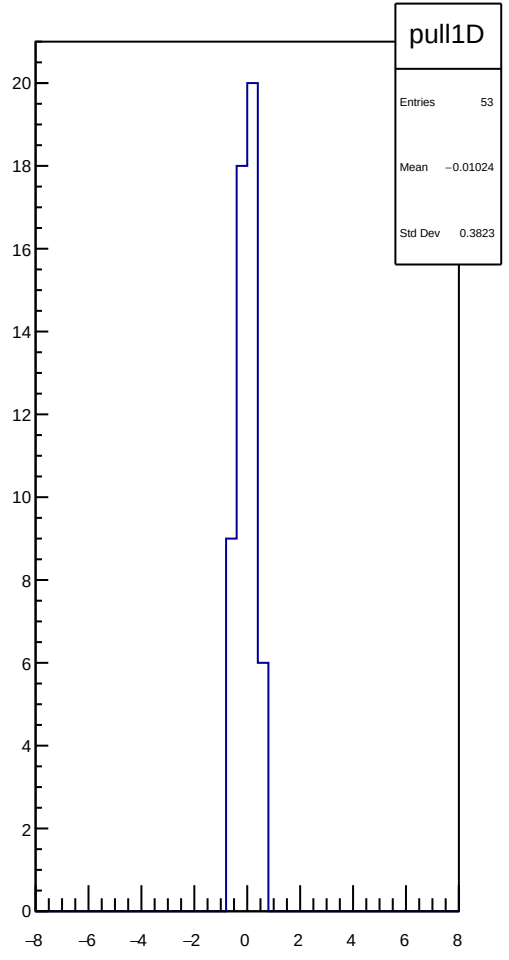

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 67.85 / 52
p0 −39.96 ± 3.881
50
0
−50
−100
−150
pull
Entries 53
Mean −431.8
Std Dev 0
2
1
0
−1
−2
−3

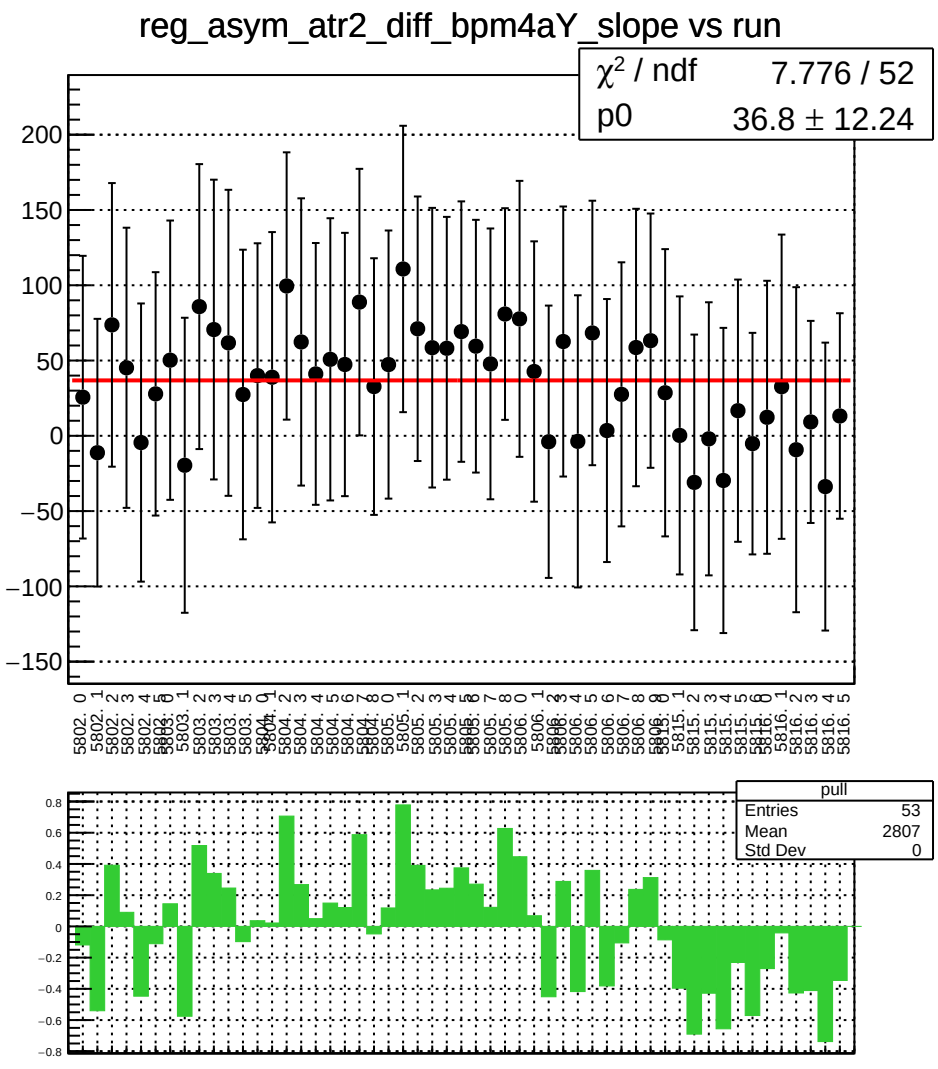

pull1D
Entries 53
Mean 0.01061
Std Dev 1.131
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

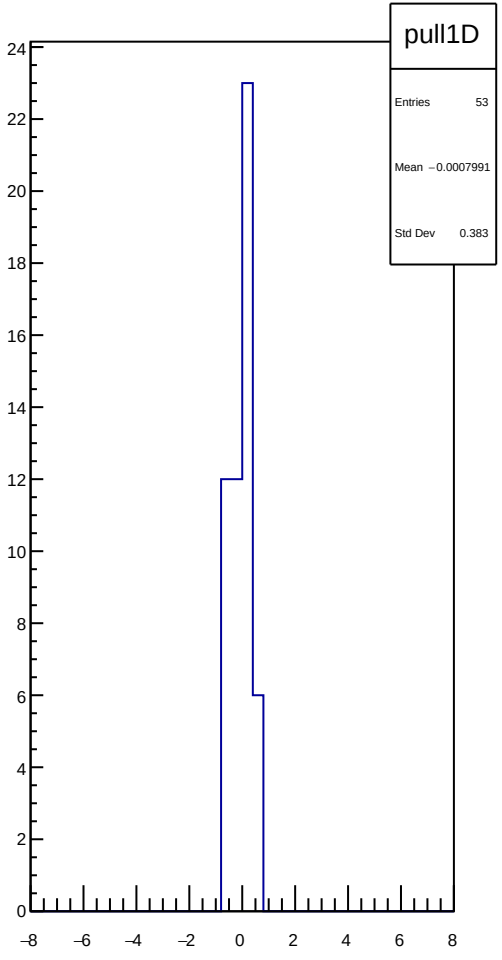

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 50.12 / 52
p0 −12.78 ± 0.2455
pull
Entries 53
Mean 35.02
Std Dev 0

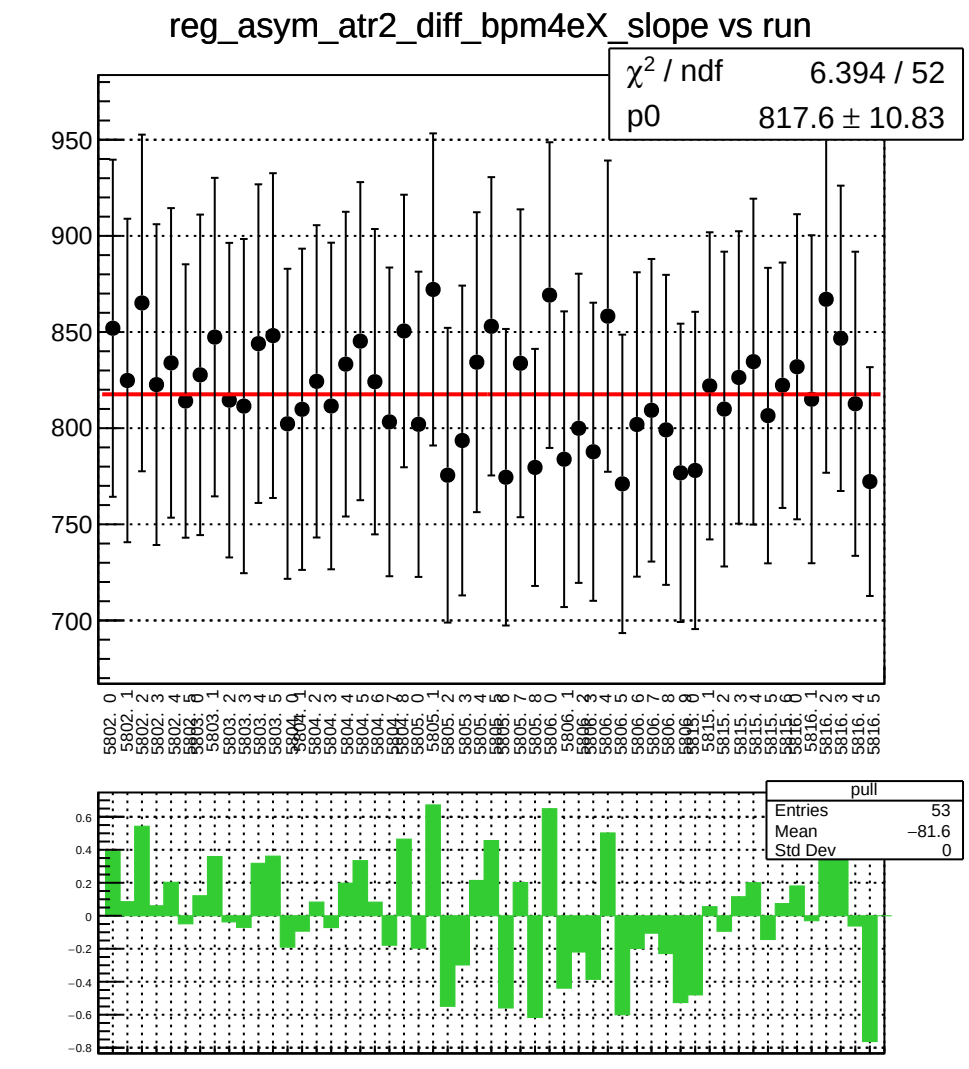

pull1D
Entries 53
Mean −0.02033
Std Dev 0.9723

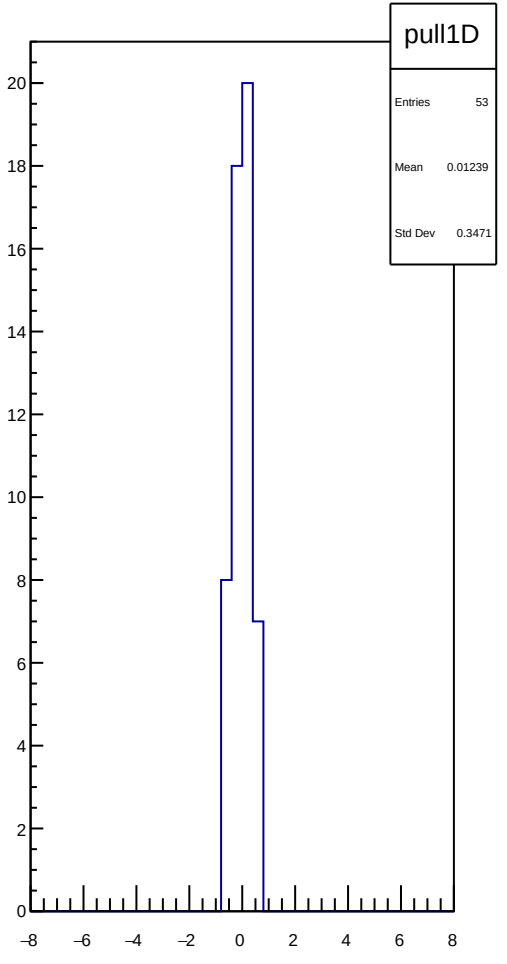

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 7.753 / 52
p0 −451.3 ± 7.398
−350
−400
−450
−500
−550
pull
Entries 53
Mean 90.62
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

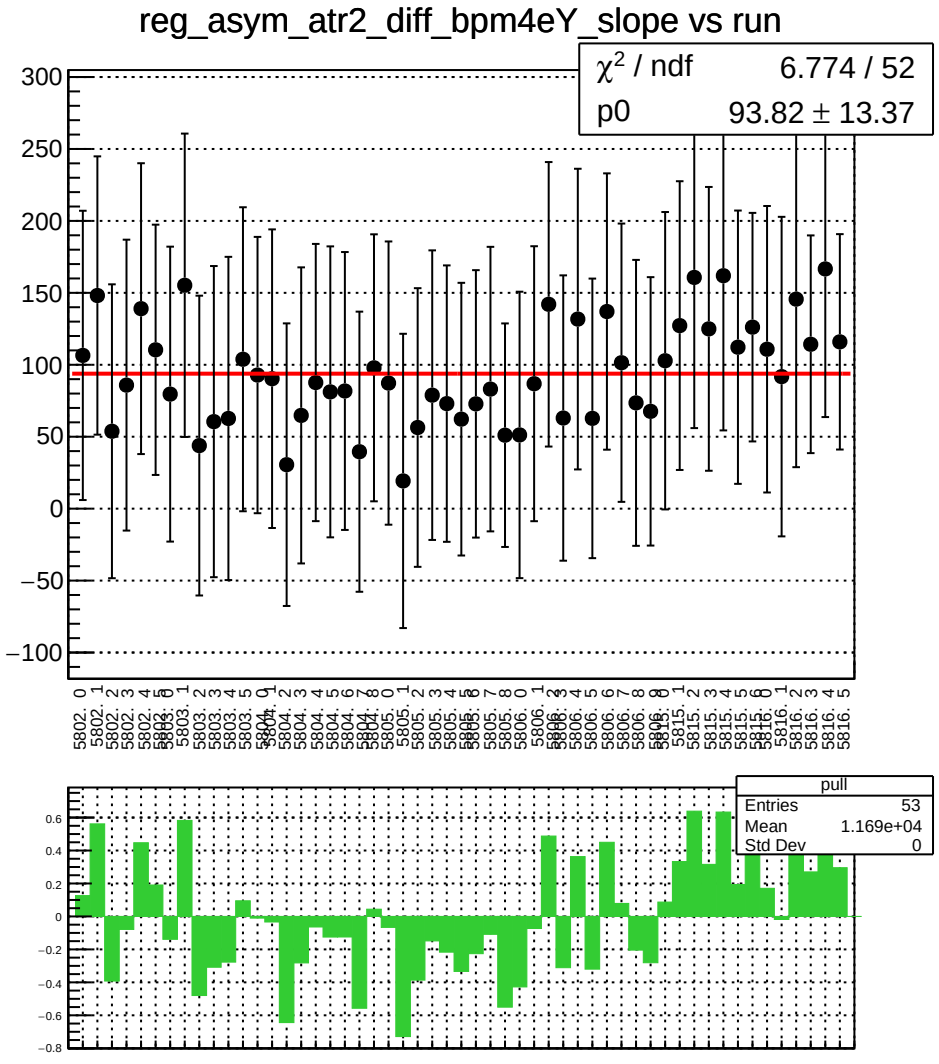

pull1D
Entries 53
Mean −0.01024
Std Dev 0.3823
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

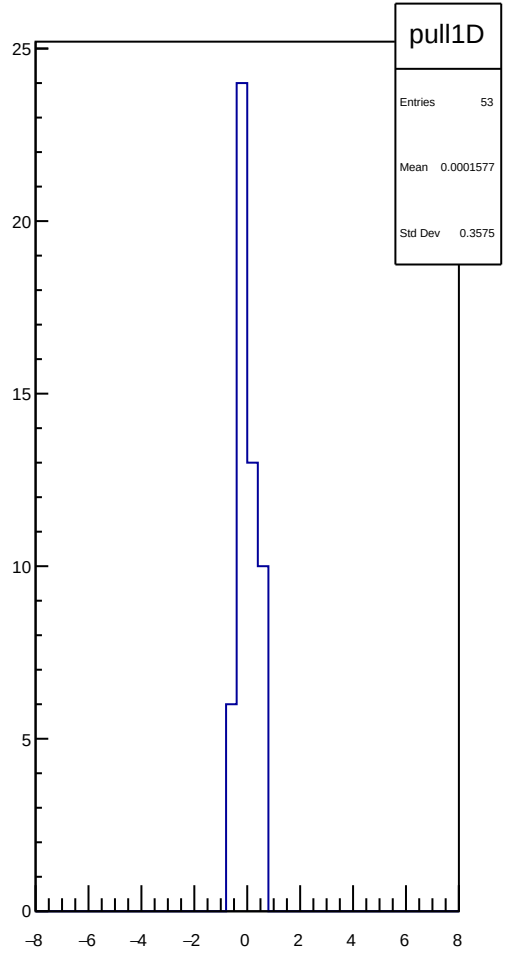

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.776 / 52
p0 36.8 ± 12.24
pull
Entries 53
Mean 2807
Std Dev 0

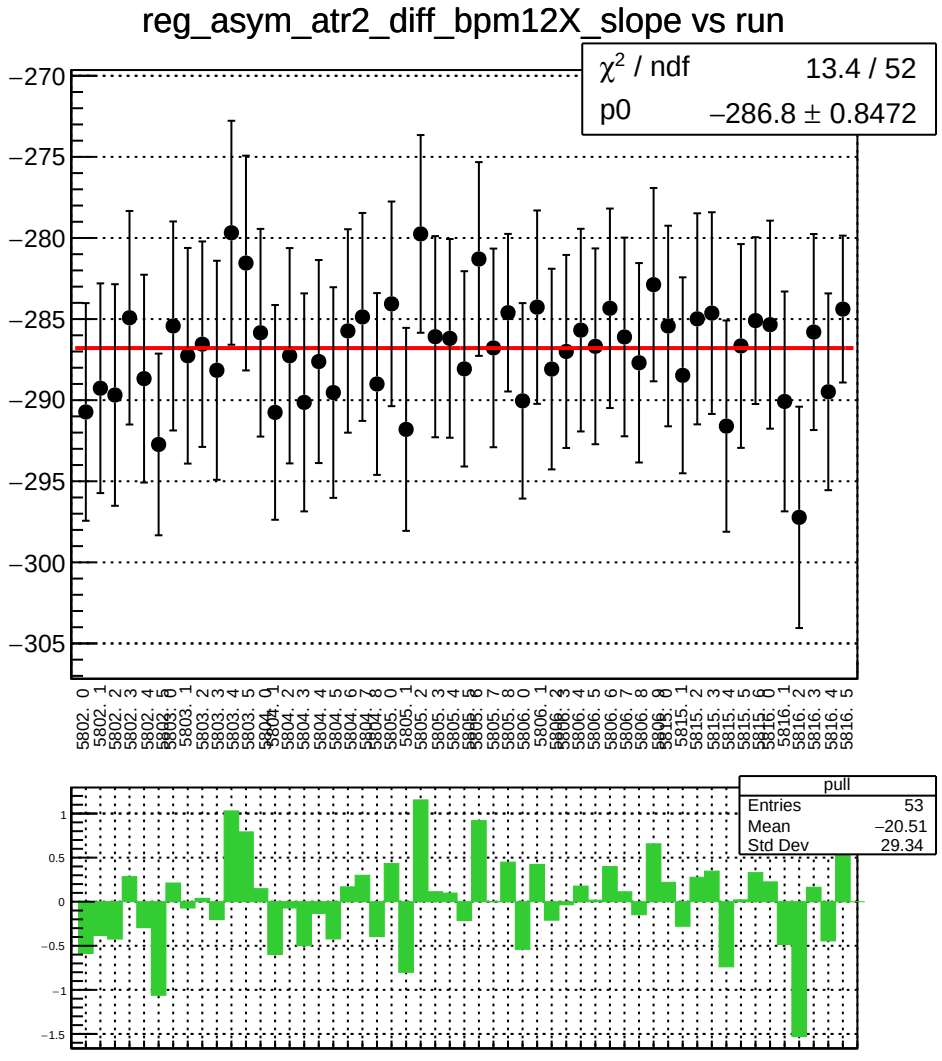

pull1D
Entries 53
Mean −0.0007991
Std Dev 0.383

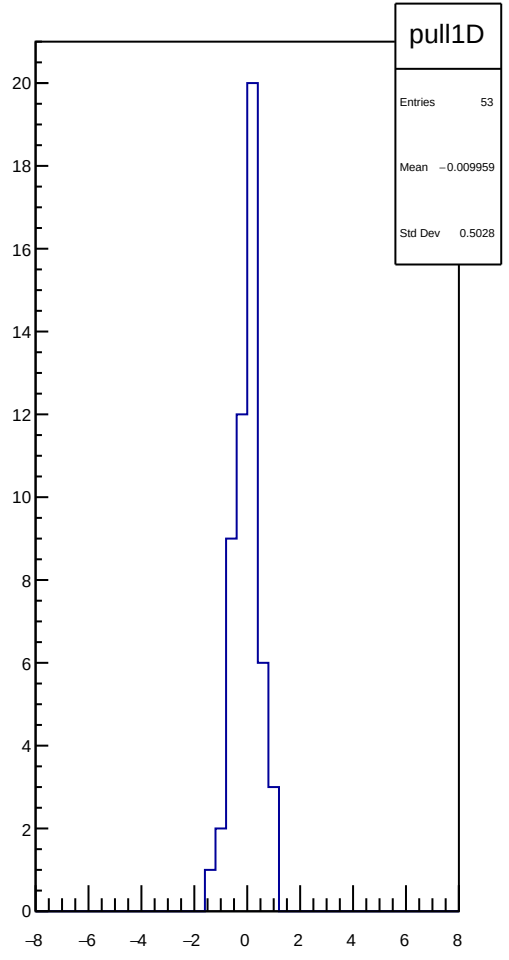

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 6.394 / 52
p0 817.6 ± 10.83
950
900
850
800
750
700
pull
Entries 53
Mean −81.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

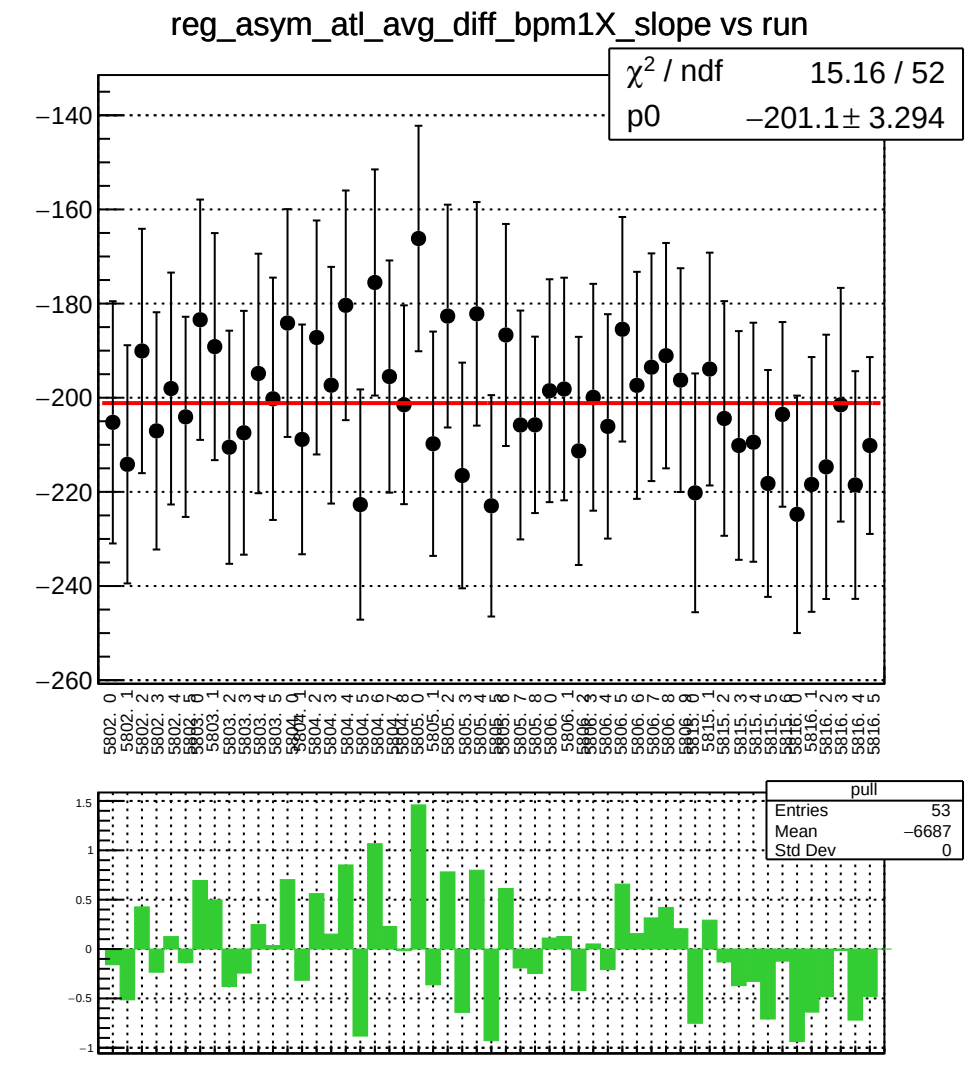

pull1D
Entries 53
Mean 0.01239
Std Dev 0.3471
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

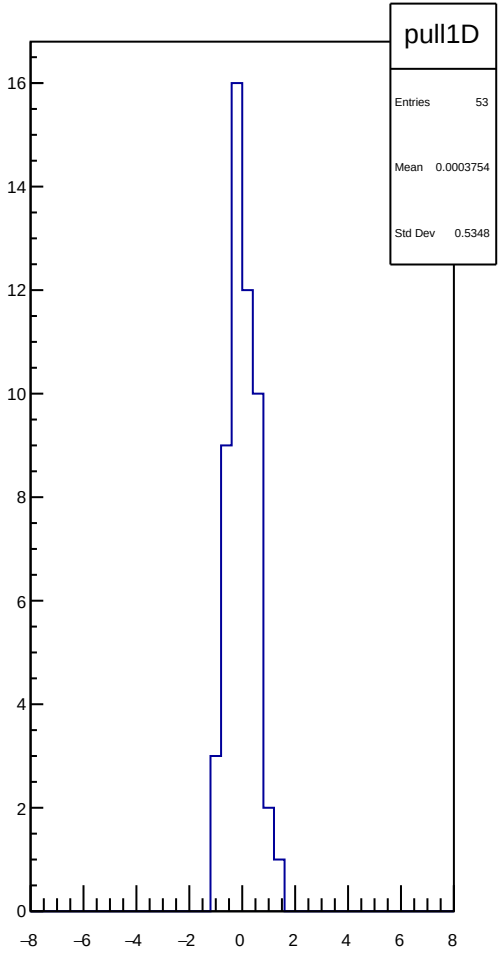

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 6.774 / 52
p0 93.82 ± 13.37
pull
Entries 53
Mean 1.169e+04
Std Dev 0

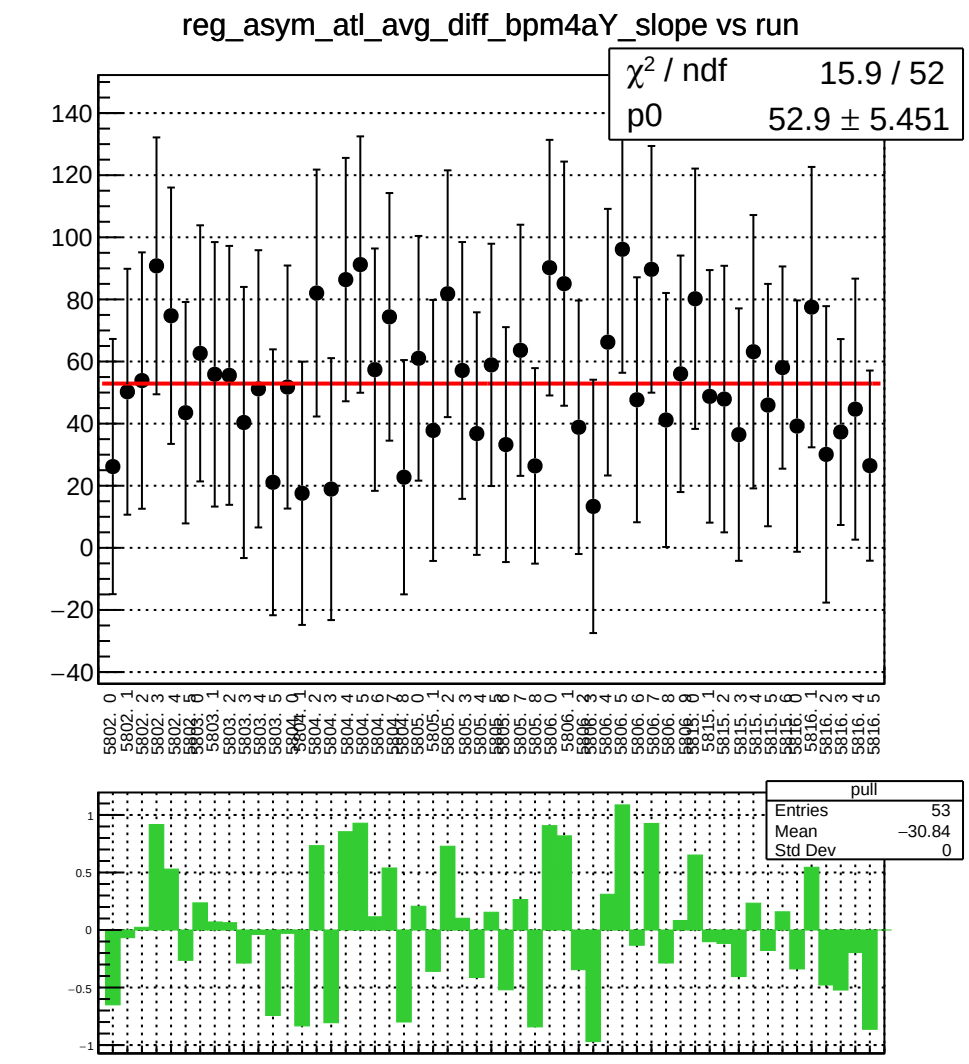

pull1D
Entries 53
Mean 0.0001577
Std Dev 0.3575

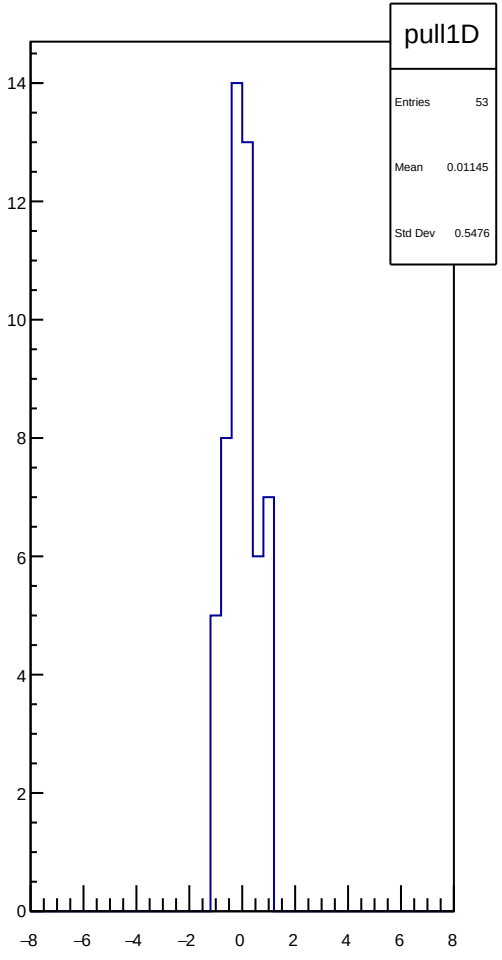

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.4 / 52
p0 −286.8 ± 0.8472
pull
Entries 53
Mean −20.51
Std Dev 29.34

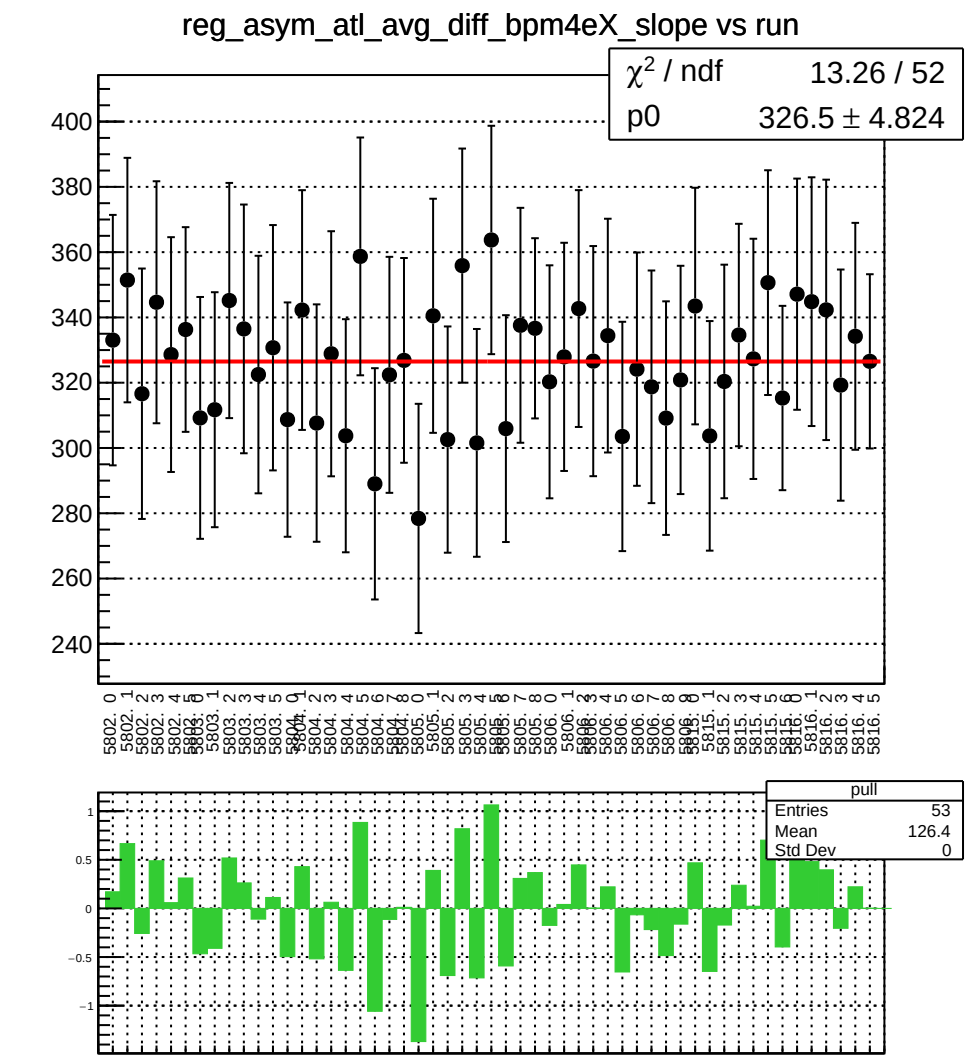

pull1D
Entries 53
Mean −0.009959
Std Dev 0.5028

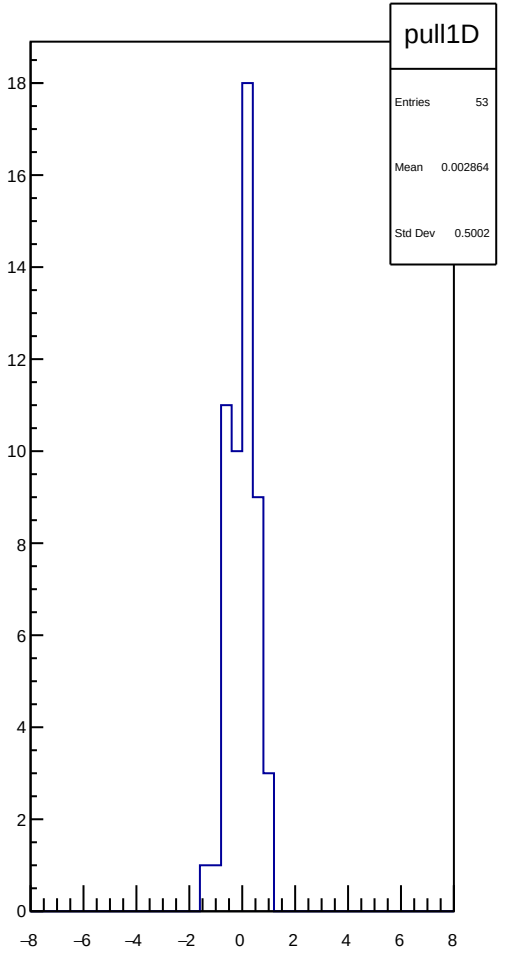

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 15.16 / 52
p0 −201.1 ± 3.294
pull
Entries 53
Mean −6687
Std Dev 0

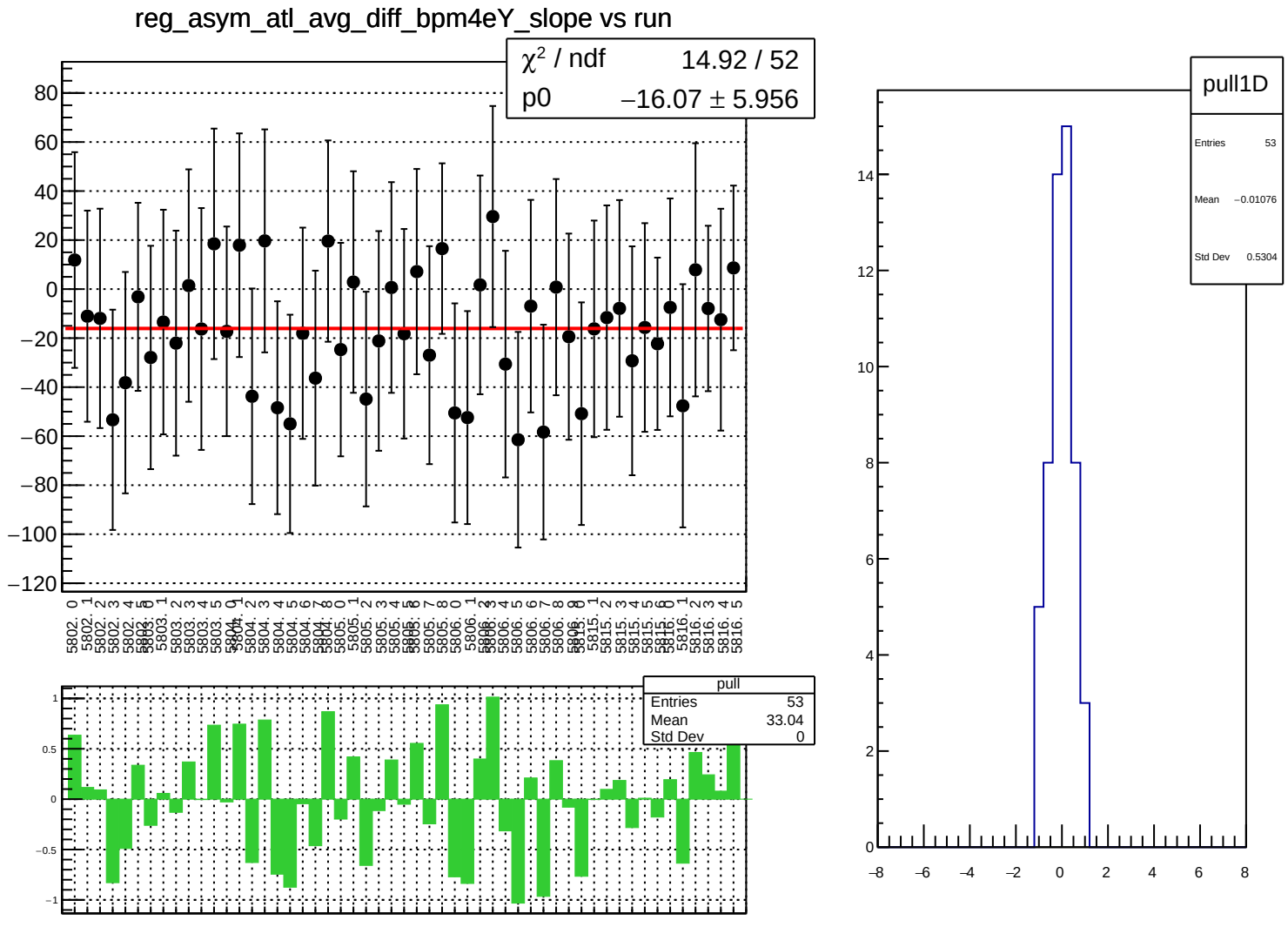

pull1D
Entries 53
Mean 0.0003754
Std Dev 0.5348

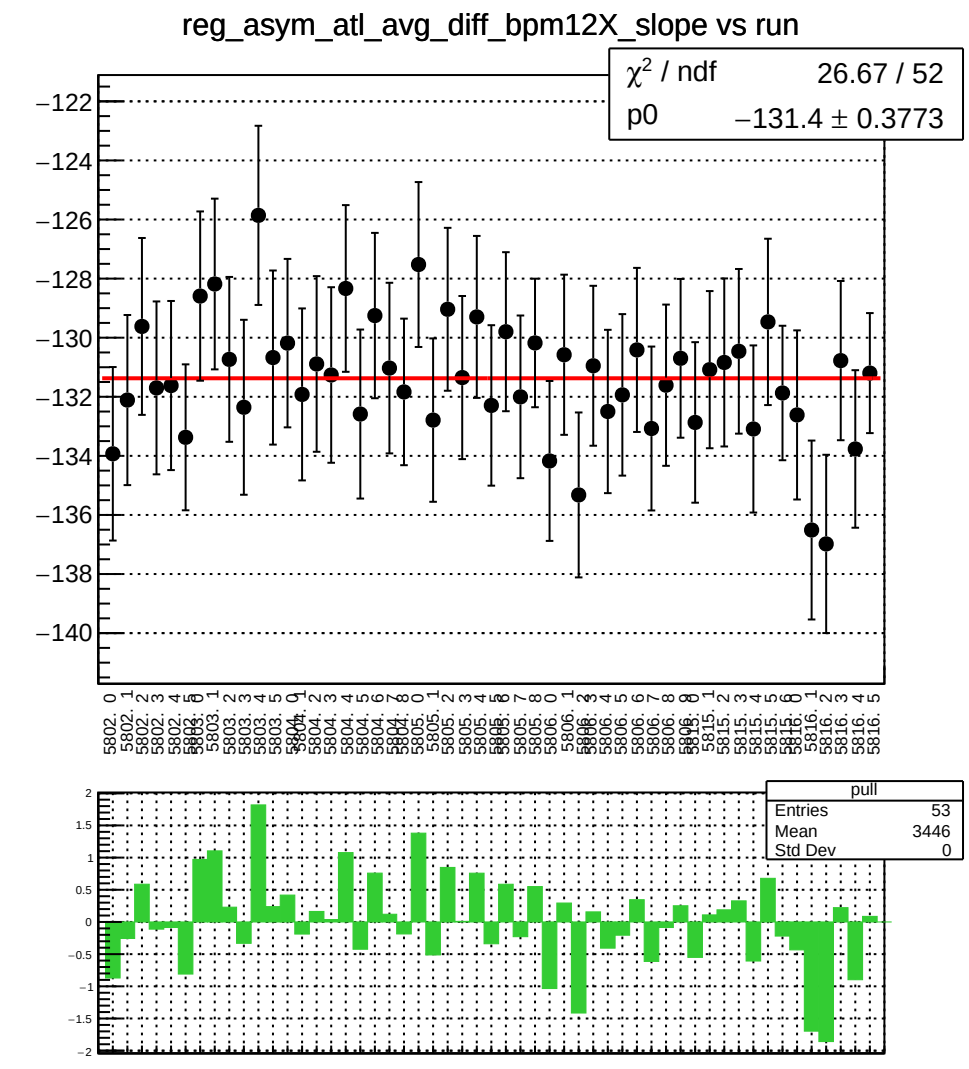

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.9 / 52
p0 52.9 ± 5.451
pull
Entries 53
Mean −30.84
Std Dev 0

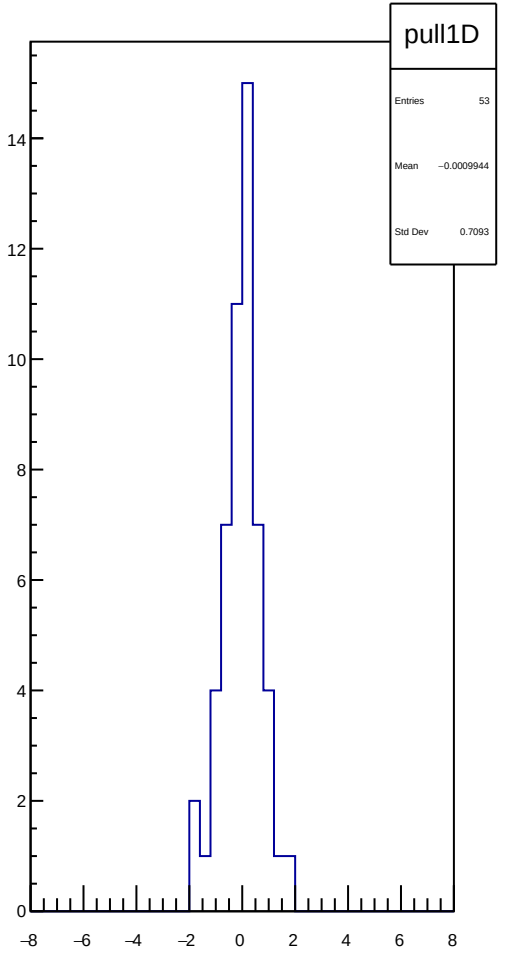

pull1D
Entries 53
Mean 0.01145
Std Dev 0.5476

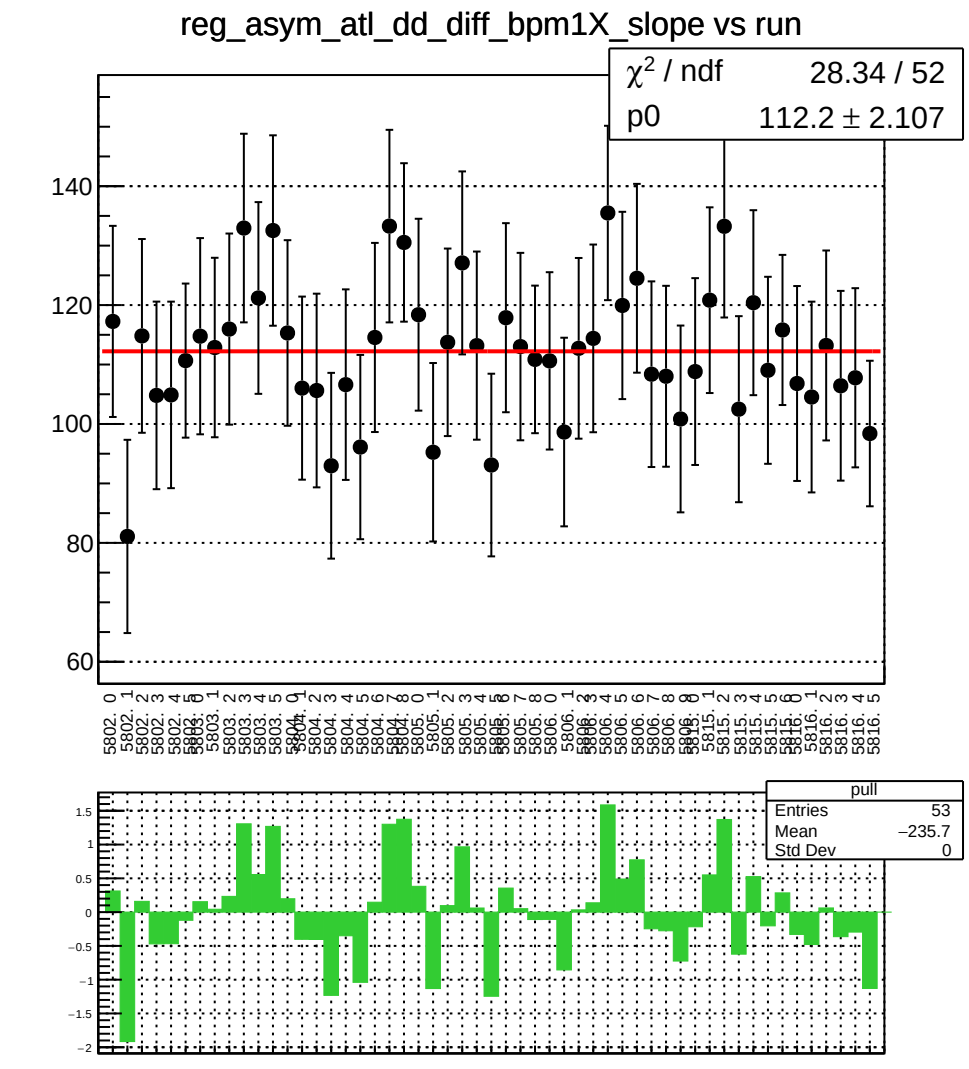

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.26 / 52
p0 326.5 ± 4.824
pull
Entries 53
Mean 126.4
Std Dev 0

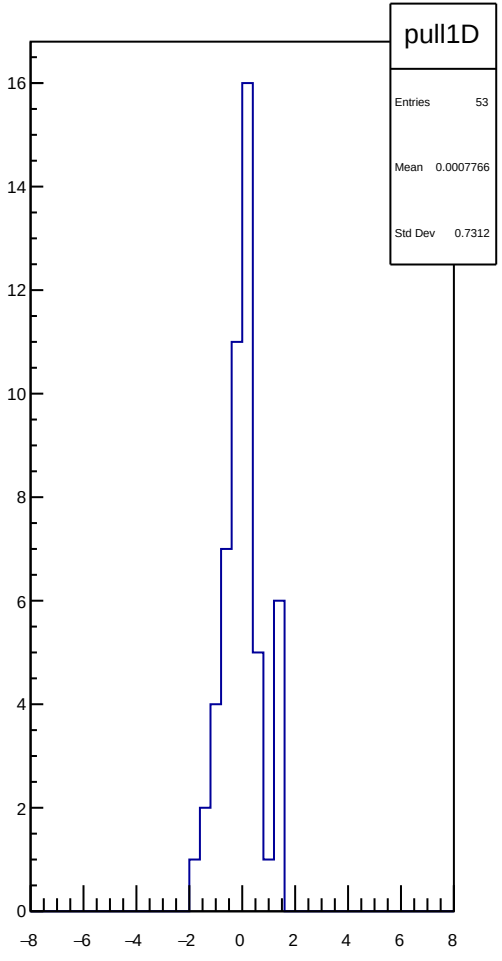

pull1D
Entries 53
Mean 0.002864
Std Dev 0.5002

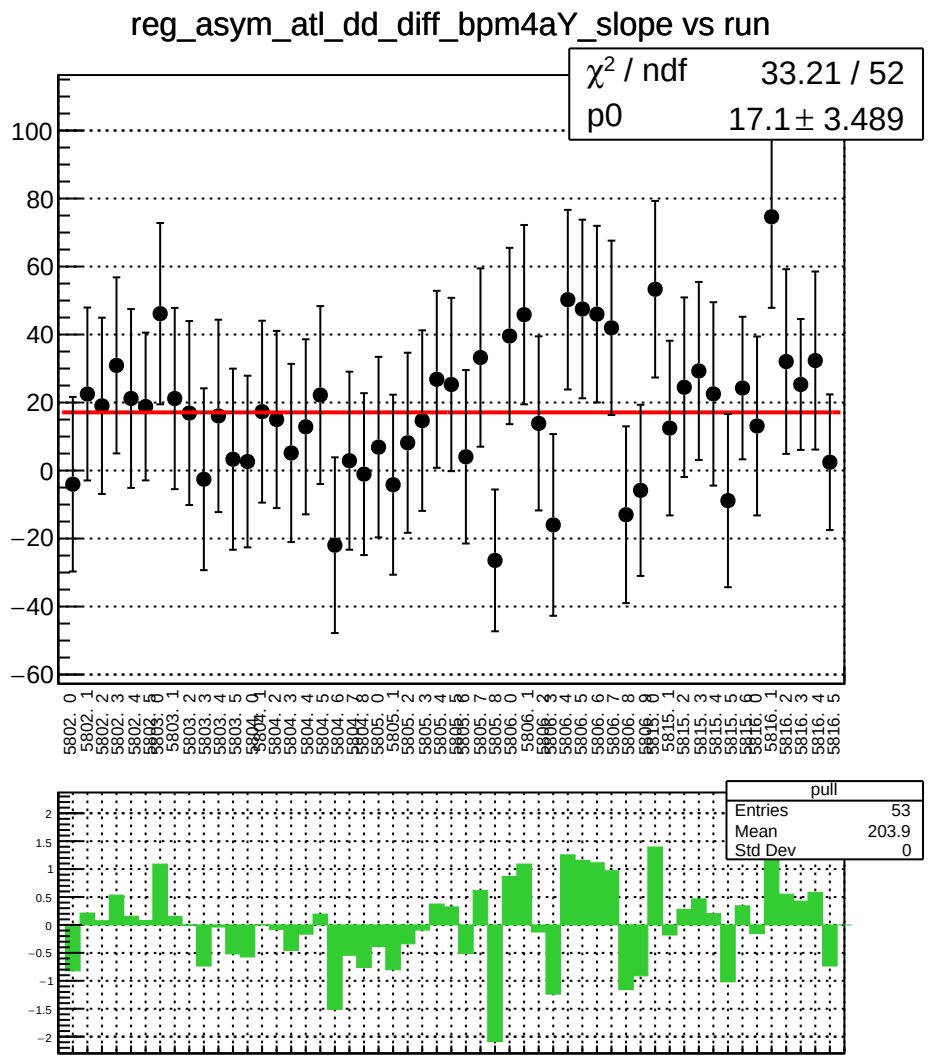

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.92 / 52
p0 −16.07 ± 5.956
pull
Entries 53
Mean 33.04
Std Dev 0
pull1D
Entries 53
Mean −0.01076
Std Dev 0.5304

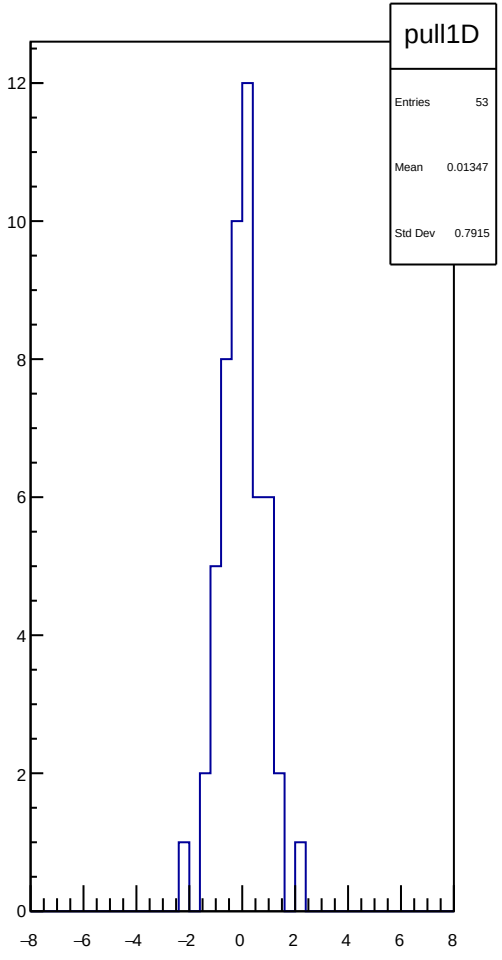

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 26.67 / 52
p0 −131.4 ± 0.3773
pull
Entries 53
Mean 3446
Std Dev 0

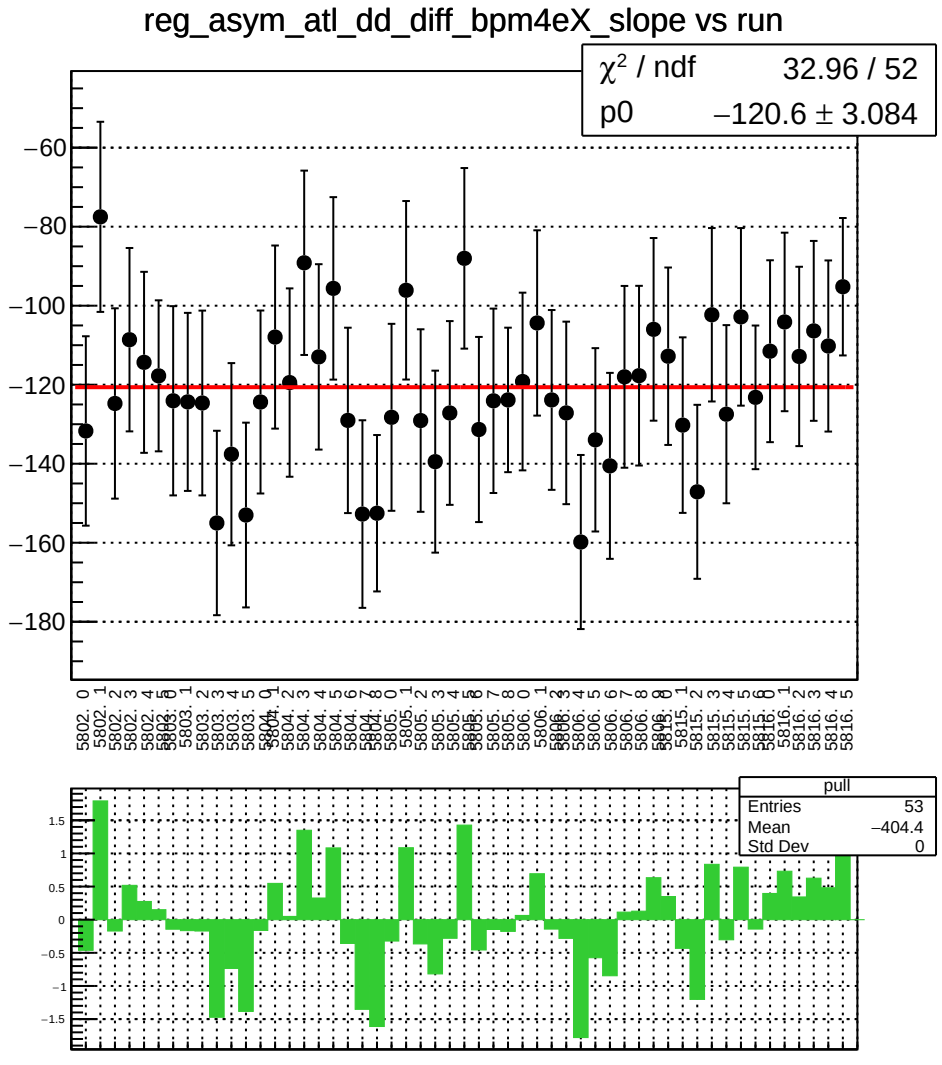

pull1D
Entries 53
Mean −0.0009944
Std Dev 0.7093

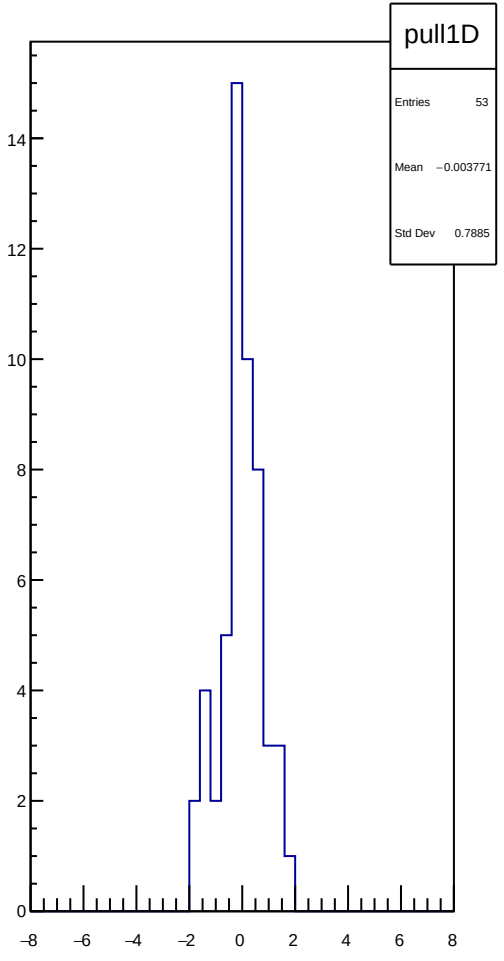

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 28.34 / 52
p0 112.2 ± 2.107
pull
Entries 53
Mean −235.7
Std Dev 0

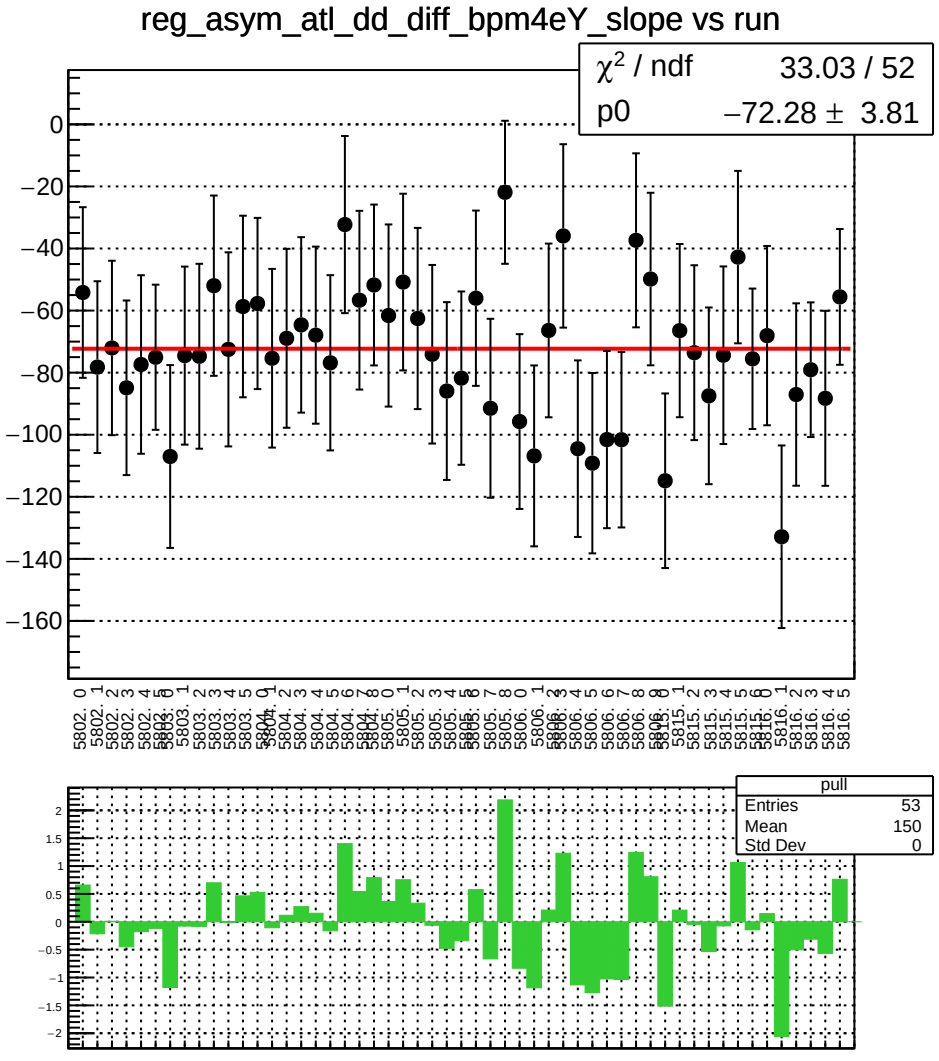

pull1D
Entries 53
Mean 0.0007766
Std Dev 0.7312

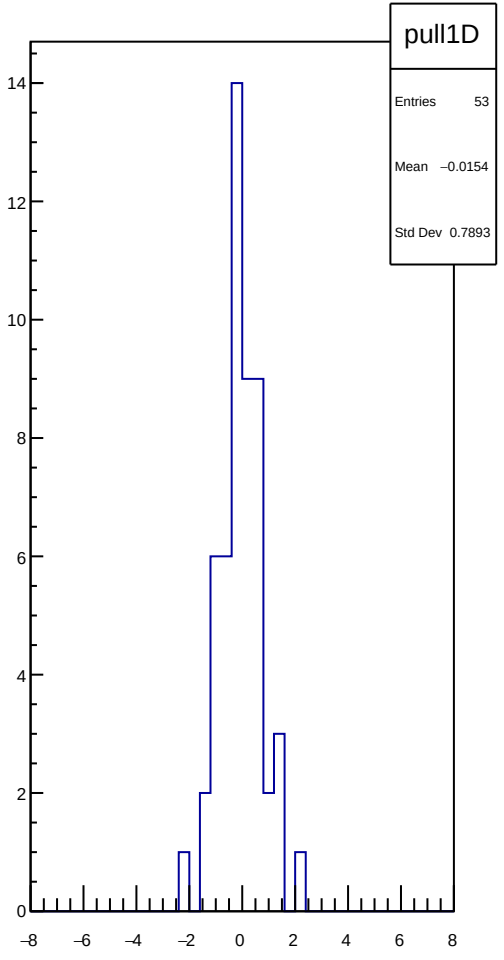

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.21 / 52
p0 17.1 ± 3.489
pull
Entries 53
Mean 203.9
Std Dev 0

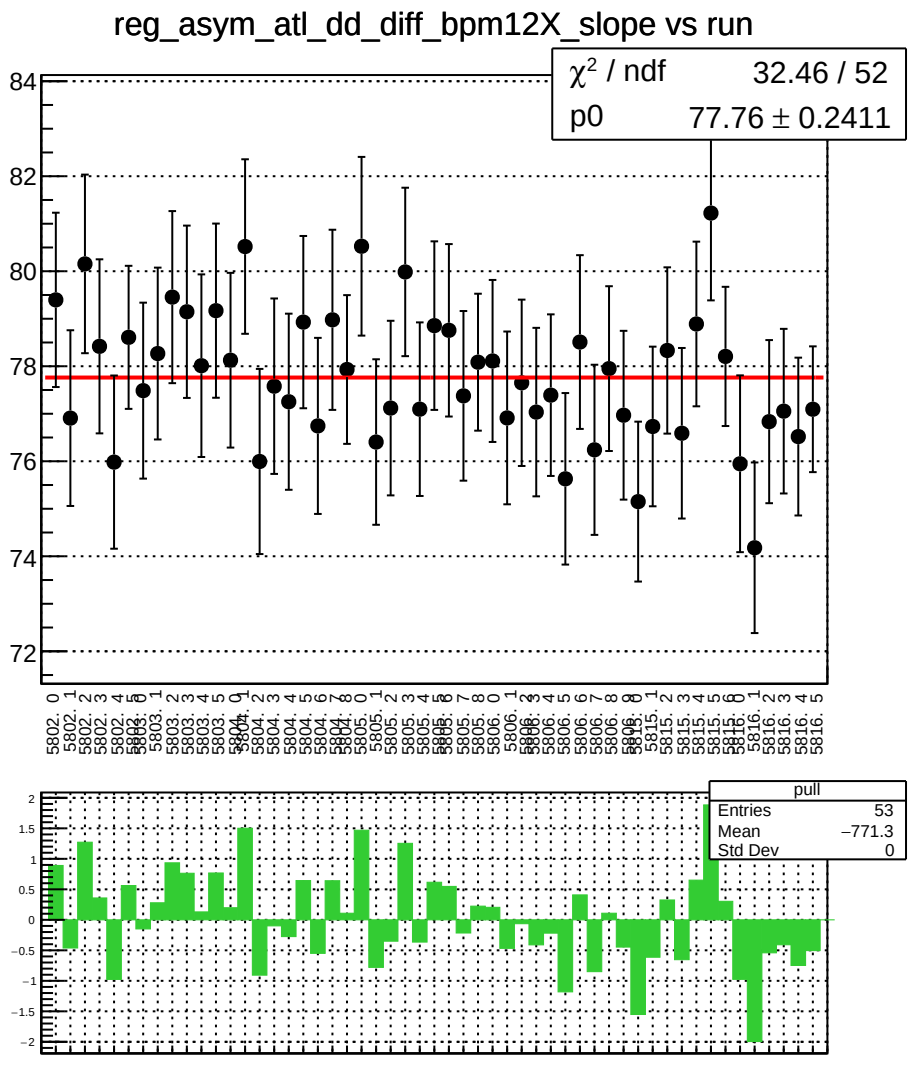

pull1D
Entries 53
Mean 0.01347
Std Dev 0.7915

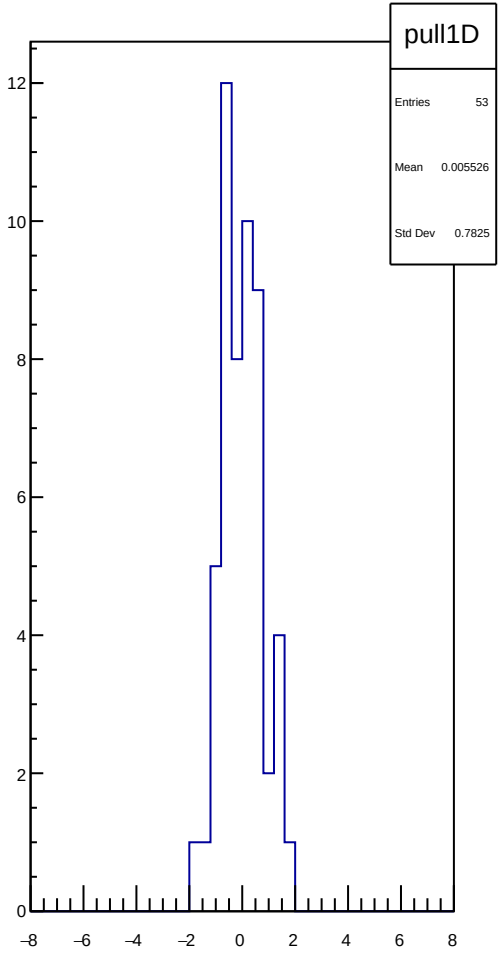

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.96 / 52
p0 −120.6 ± 3.084
pull
Entries 53
Mean −404.4
Std Dev 0

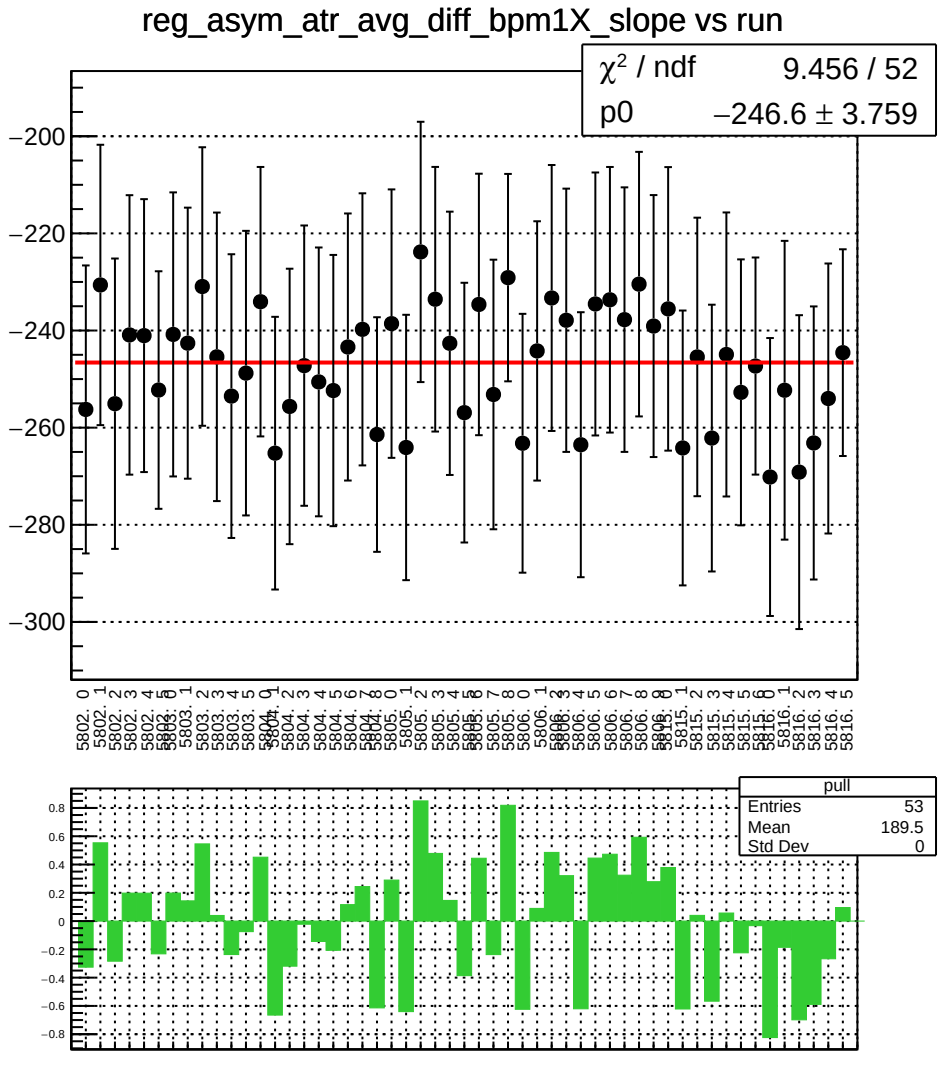

pull1D
Entries 53
Mean −0.003771
Std Dev 0.7885

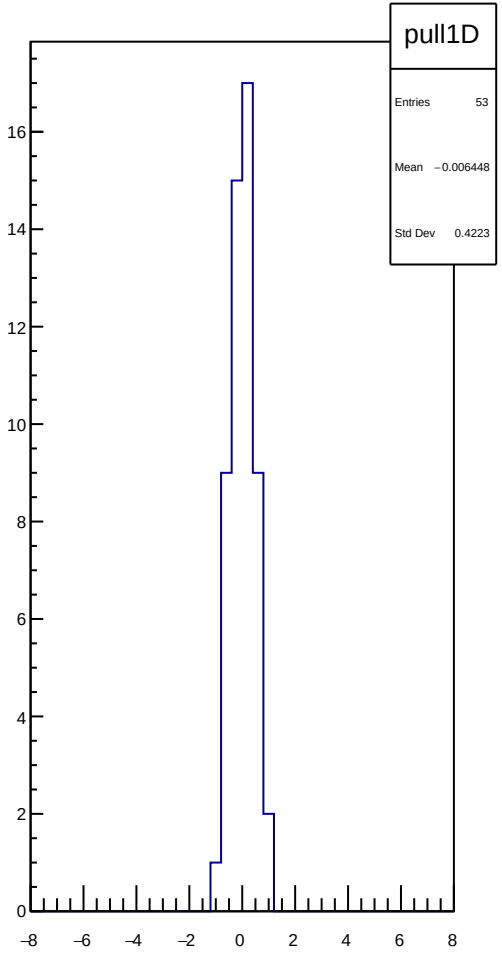

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.03 / 52
p0 −72.28 ± 3.81
pull
Entries 53
Mean 150
Std Dev 0

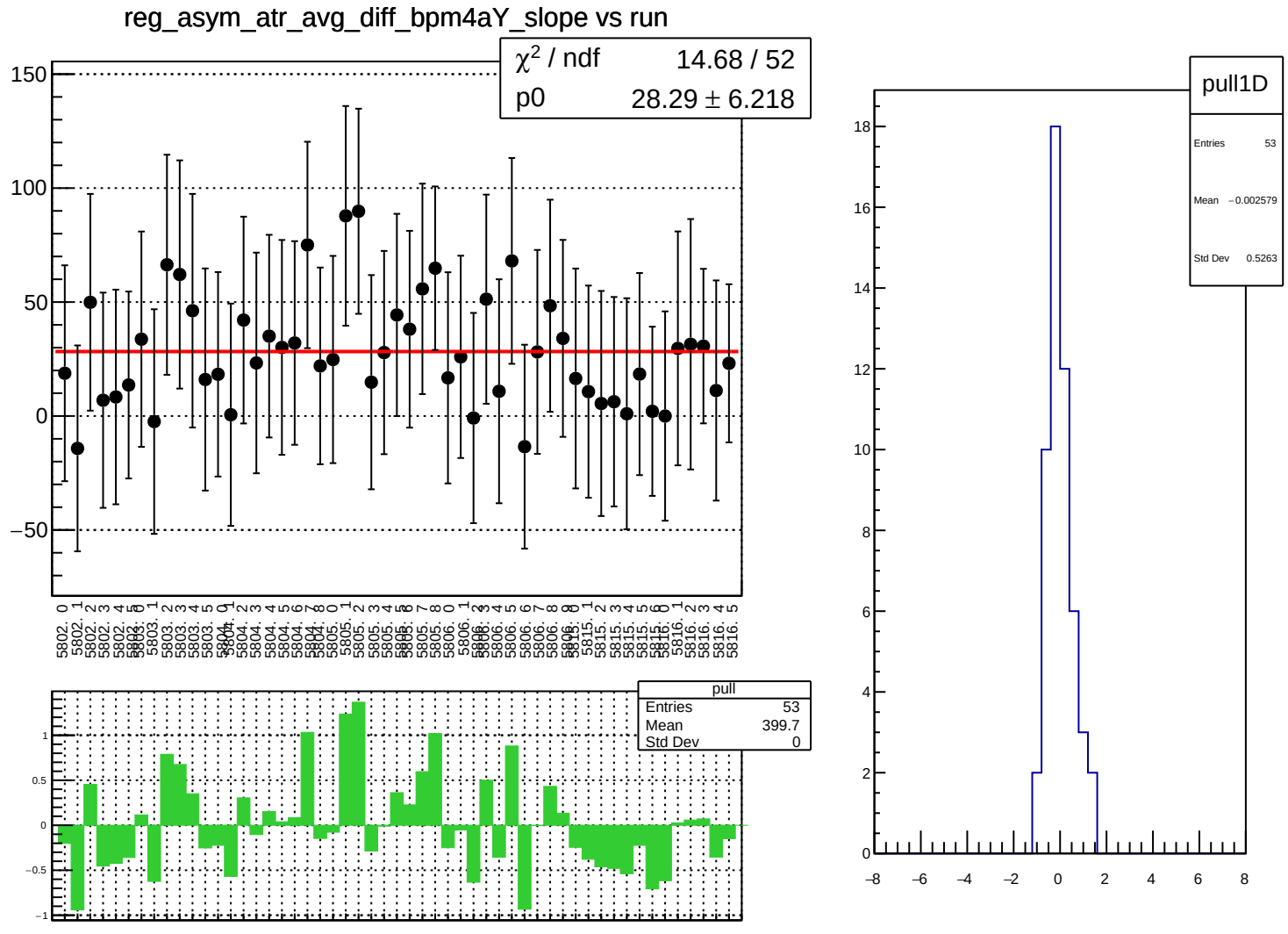

pull1D
Entries 53
Mean −0.0154
Std Dev 0.7893

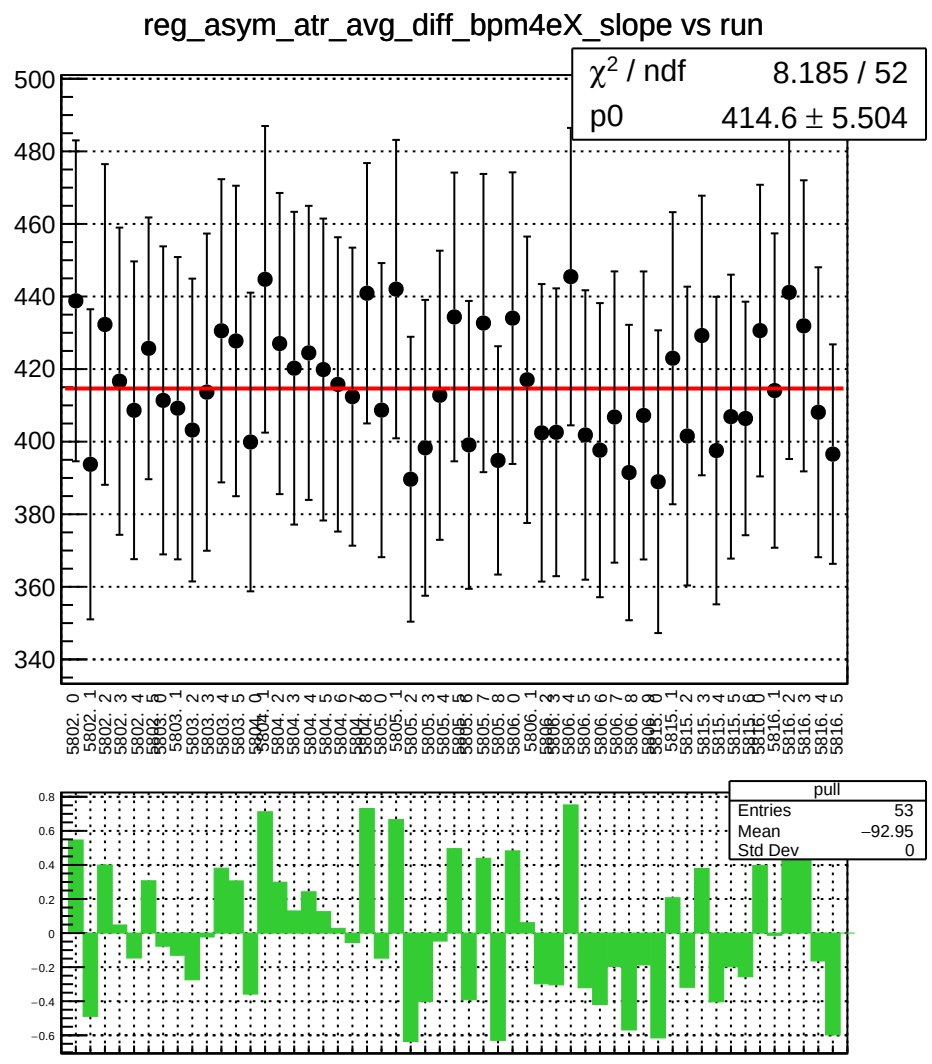

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 32.46 / 52
p0 77.76 ± 0.2411
84
82
80
78
76
74
72
pull
Entries 53
Mean −771.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

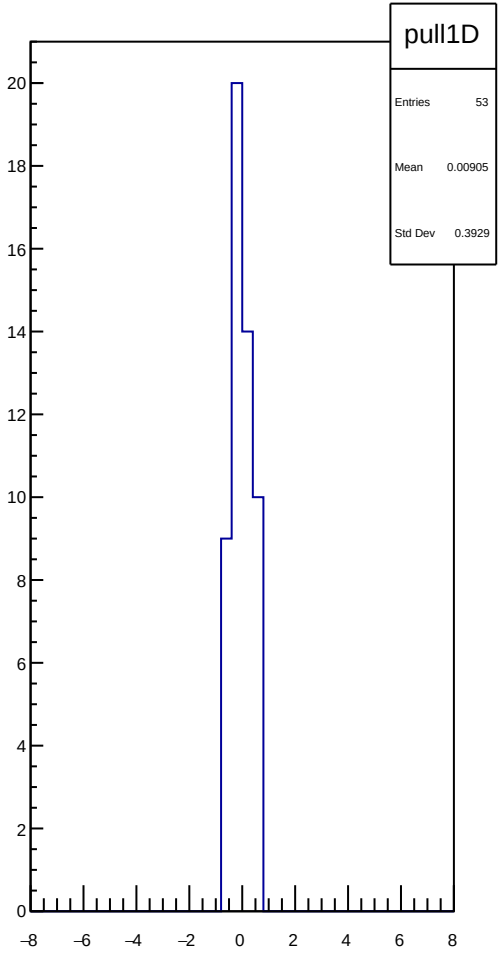

pull1D
Entries 53
Mean 0.005526
Std Dev 0.7825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

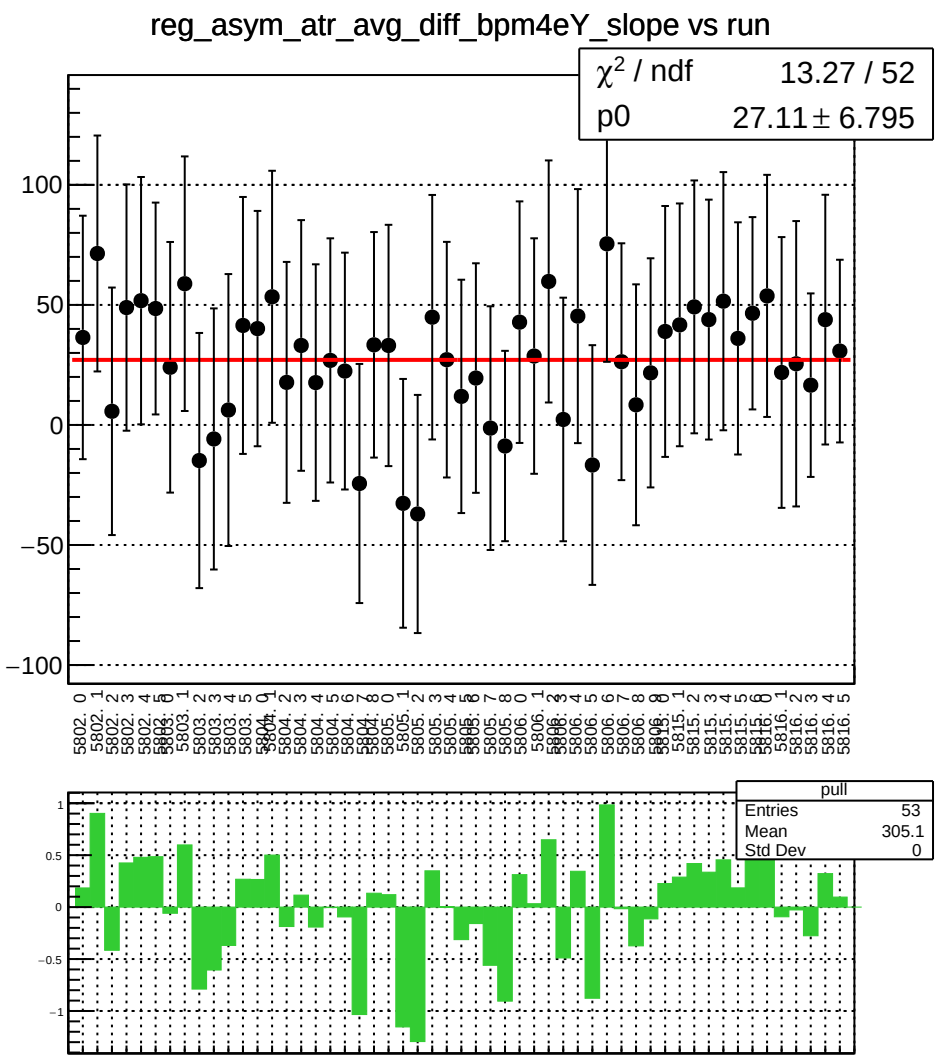

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 9.456 / 52
p0 −246.6 ± 3.759
pull
Entries 53
Mean 189.5
Std Dev 0

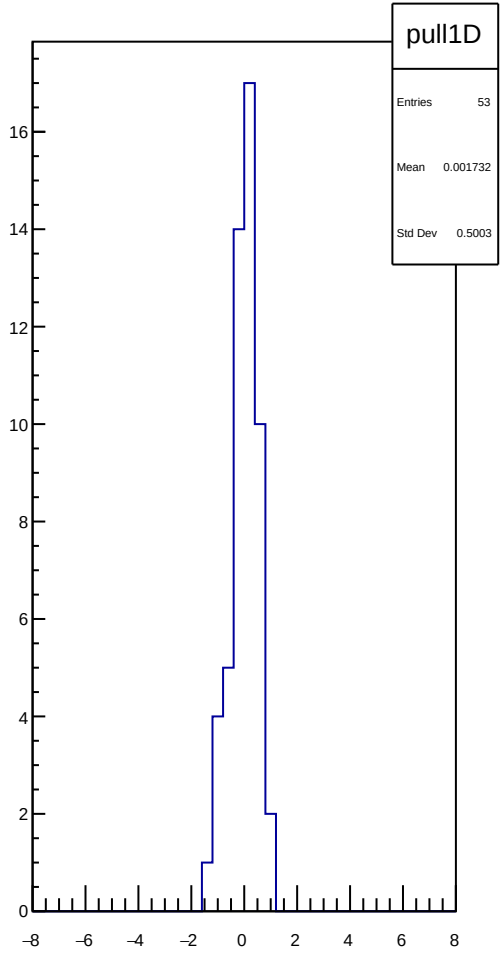

pull1D
Entries 53
Mean −0.006448
Std Dev 0.4223

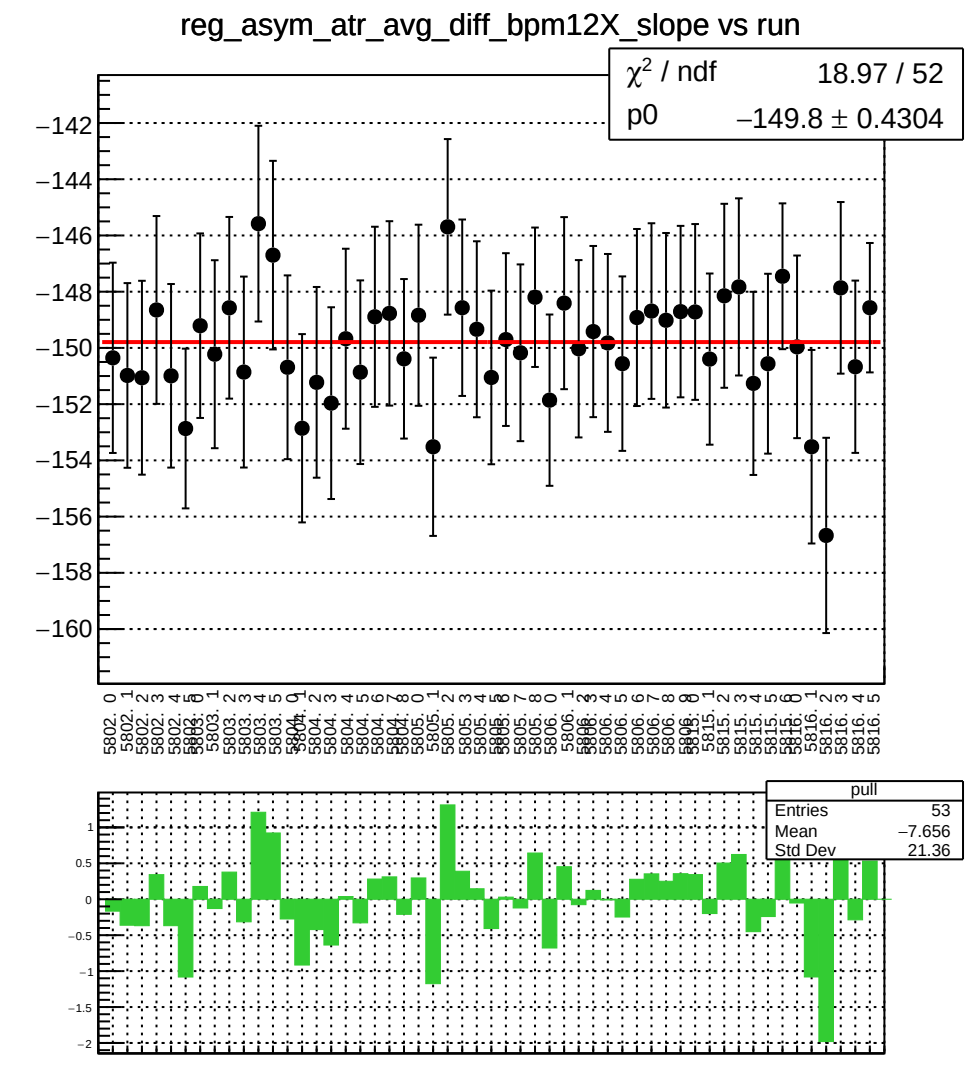

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.68 / 52
p0 28.29 ± 6.218
150
100
50
0
−50
pull
Entries 53
Mean 399.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean −0.002579
Std Dev 0.5263
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

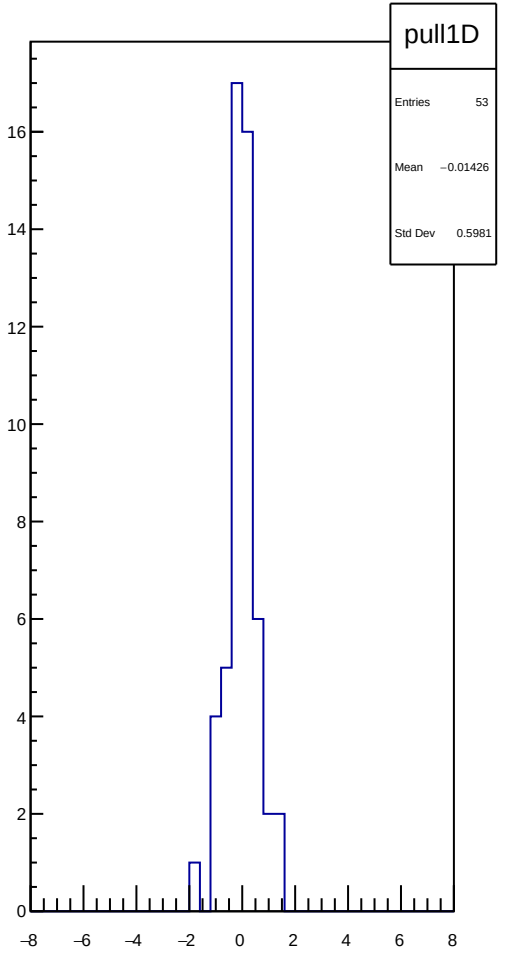

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.185 / 52
p0 414.6 ± 5.504
pull
Entries 53
Mean −92.95
Std Dev 0

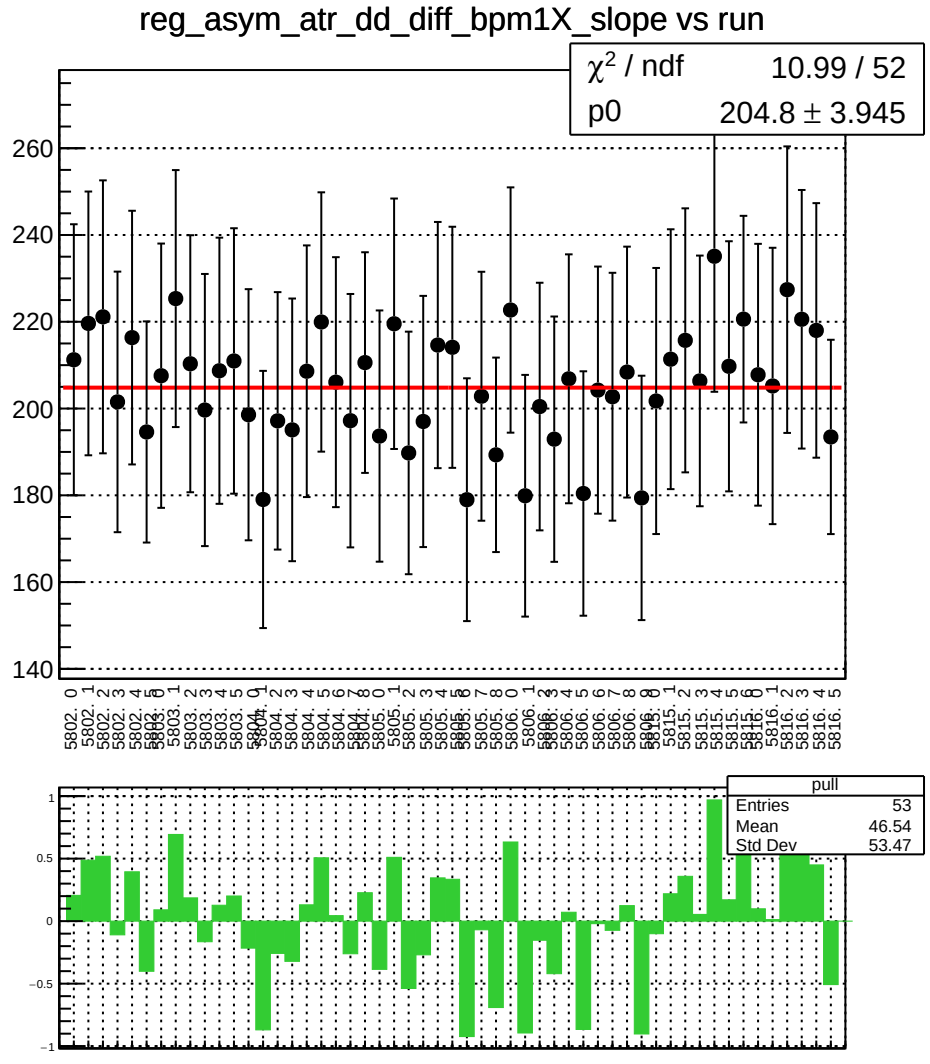

pull1D
Entries 53
Mean 0.00905
Std Dev 0.3929

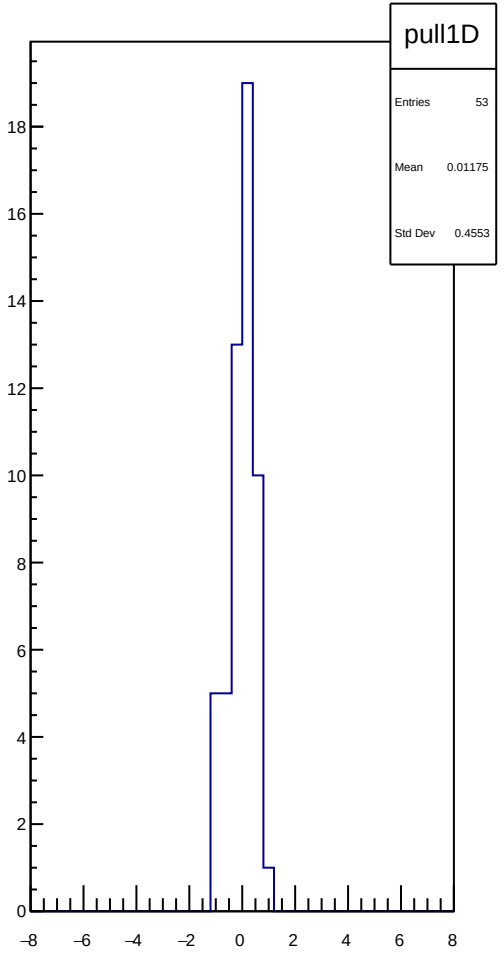

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.27 / 52
p0 27.11 ± 6.795
100
50
0
−50
−100
pull
Entries 53
Mean 305.1
Std Dev 0
1
0.5
0
−0.5
−1

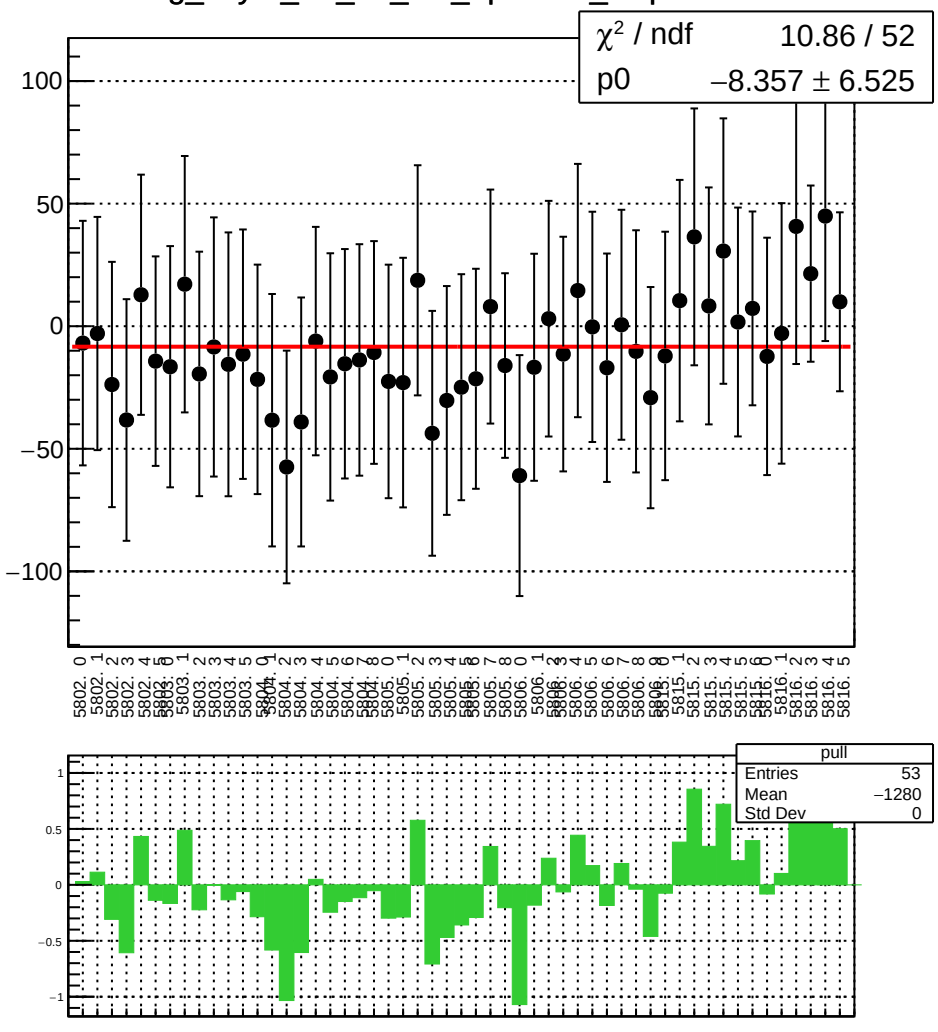

pull1D
Entries 53
Mean 0.001732
Std Dev 0.5003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

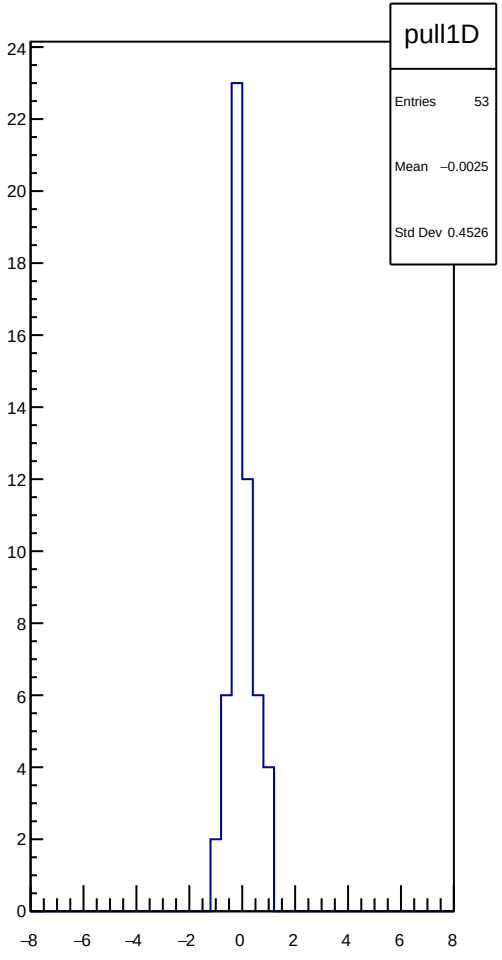

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 18.97 / 52
p0 −149.8 ± 0.4304
pull
Entries 53
Mean −7.656
Std Dev 21.36

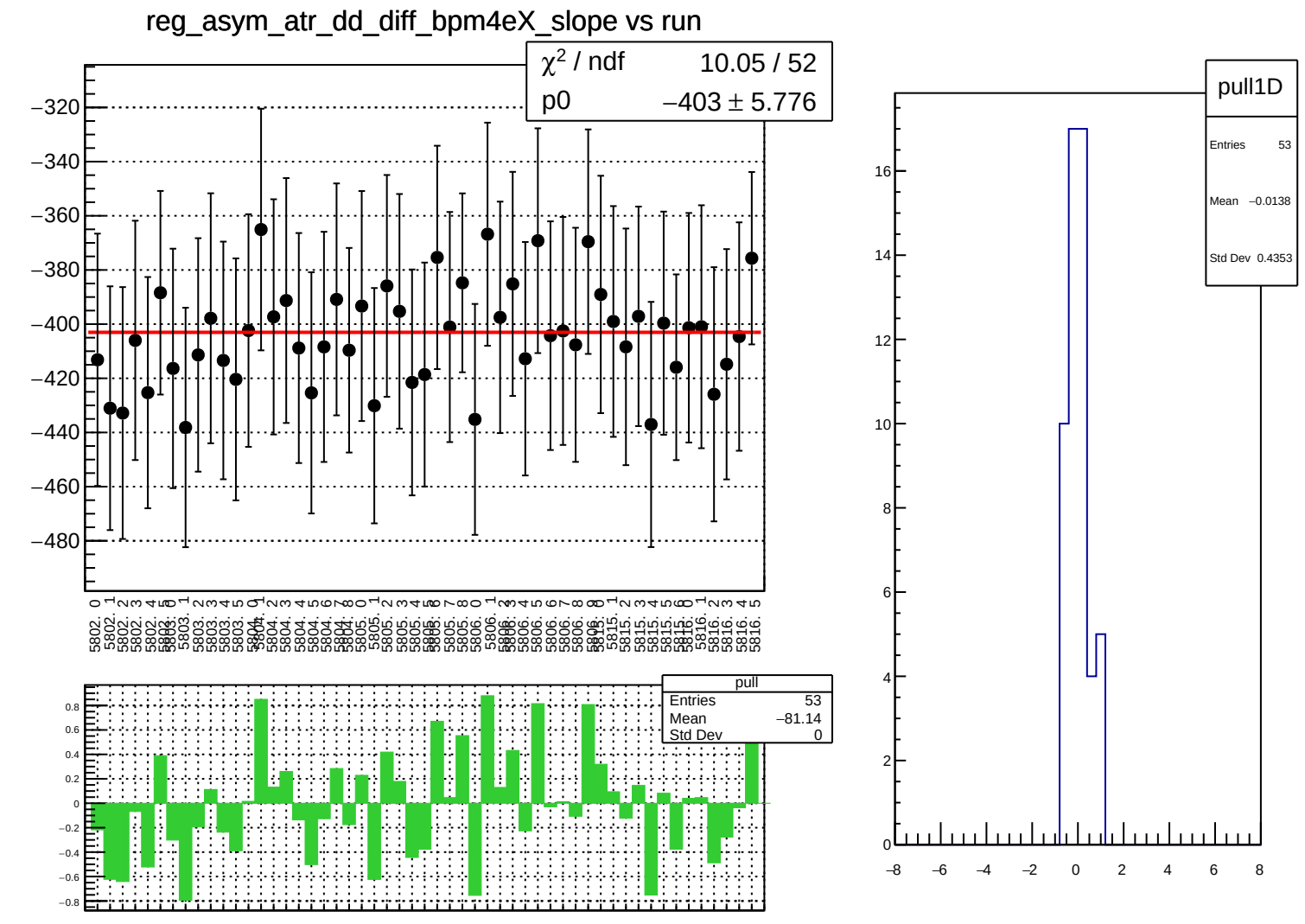

pull1D
Entries 53
Mean −0.01426
Std Dev 0.5981

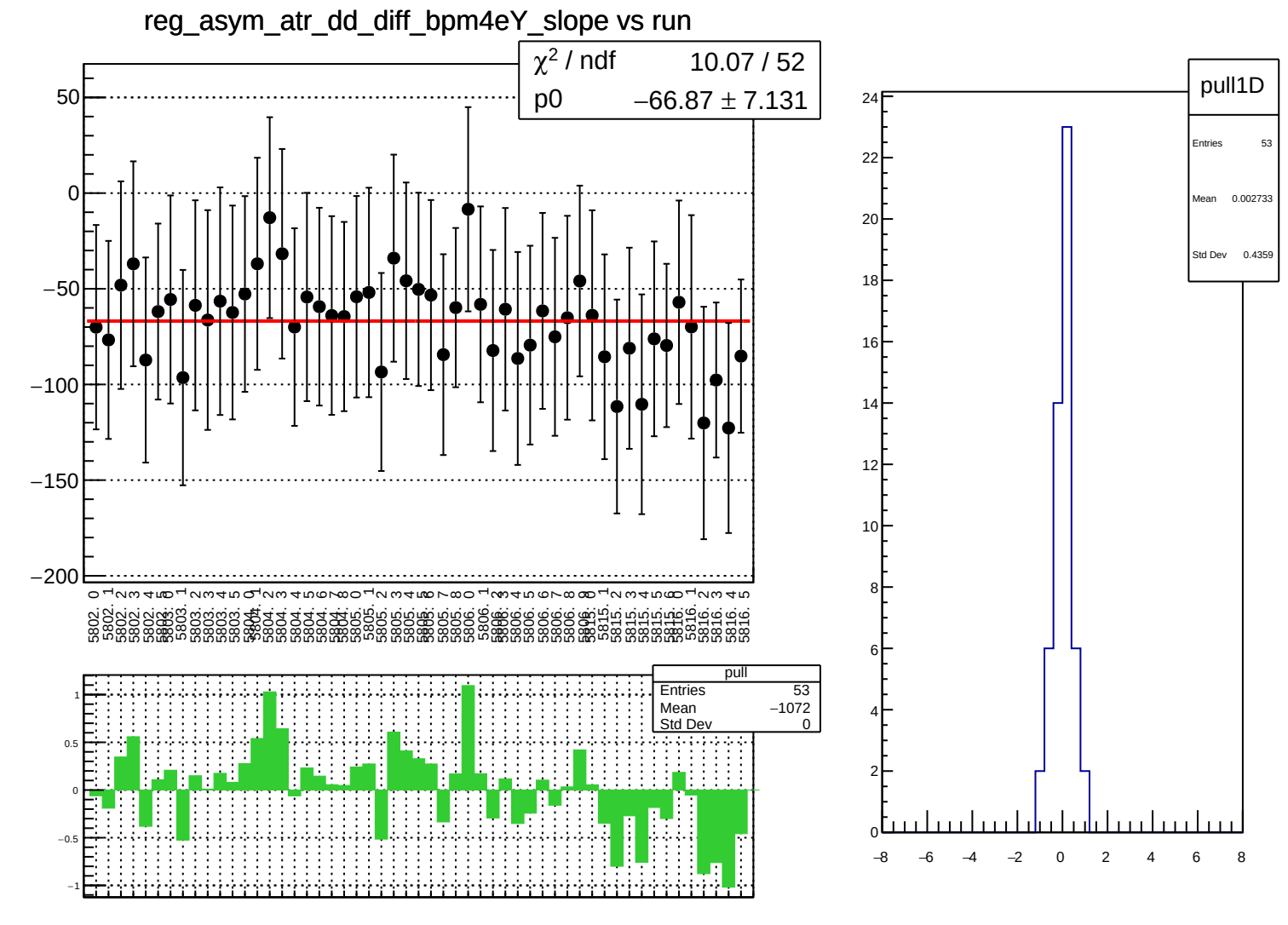

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 10.99 / 52
p0 204.8 ± 3.945
pull
Entries 53
Mean 46.54
Std Dev 53.47

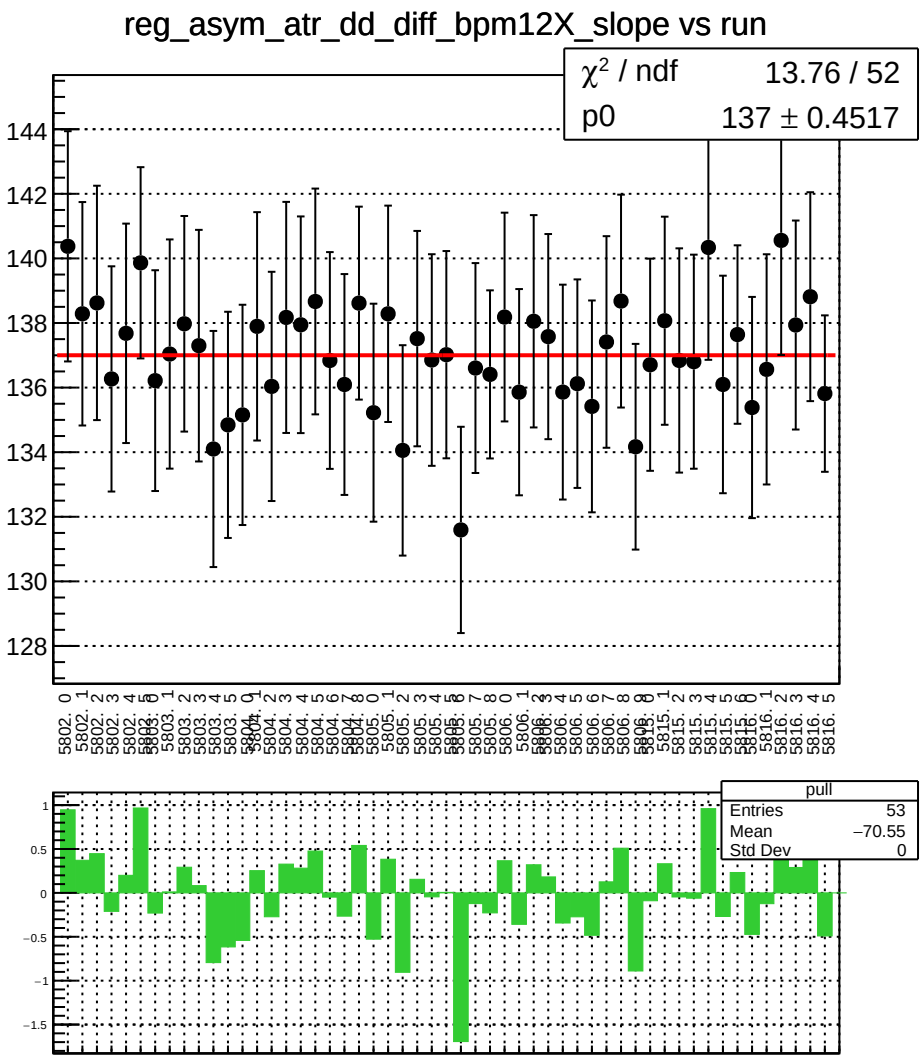

pull1D
Entries 53
Mean 0.01175
Std Dev 0.4553

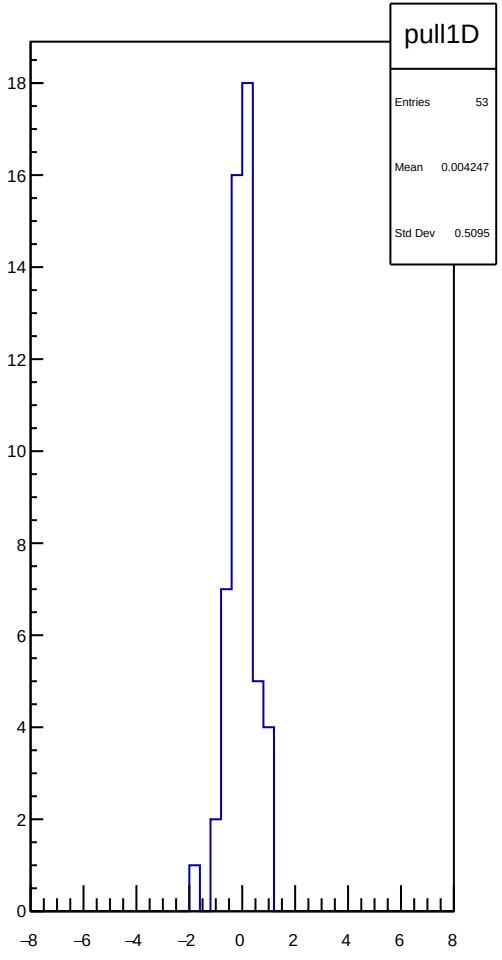

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 52
p0 −8.357 ± 6.525
pull
Entries 53
Mean −1280
Std Dev 0

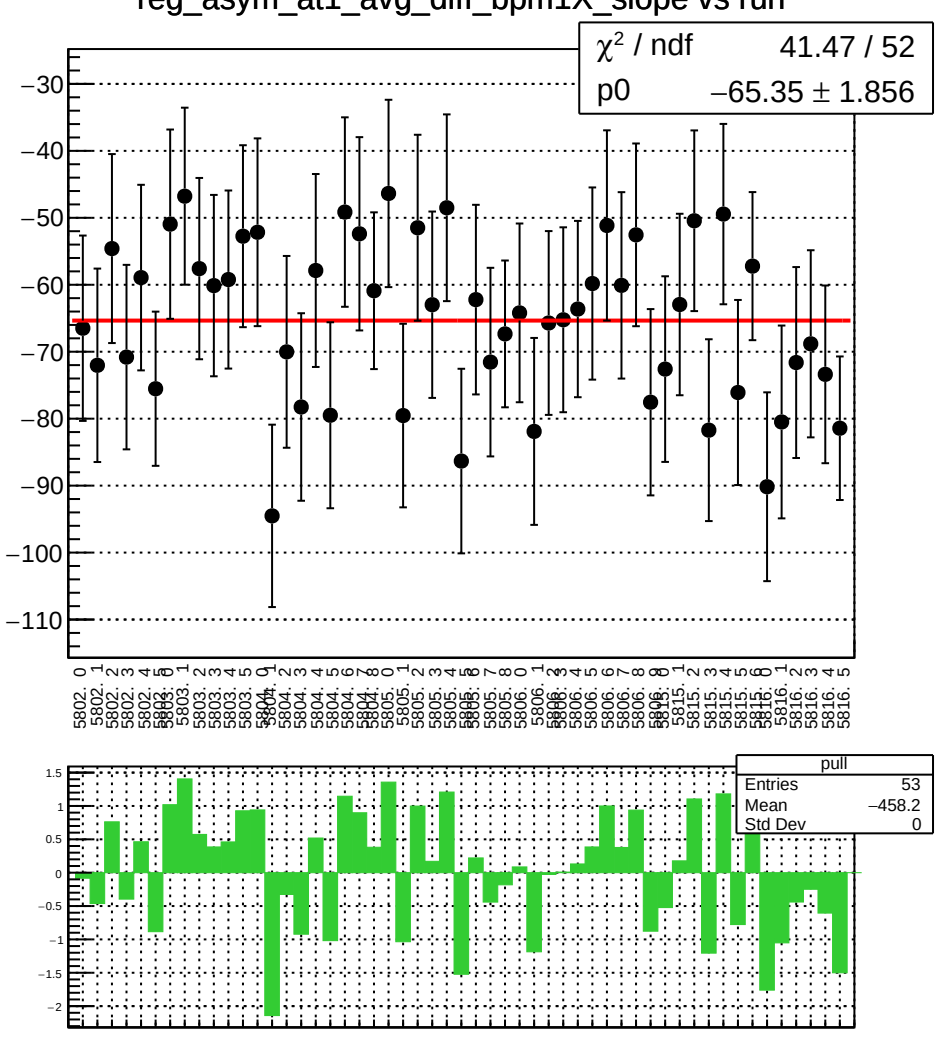

pull1D
Entries 53
Mean −0.0025
Std Dev 0.4526

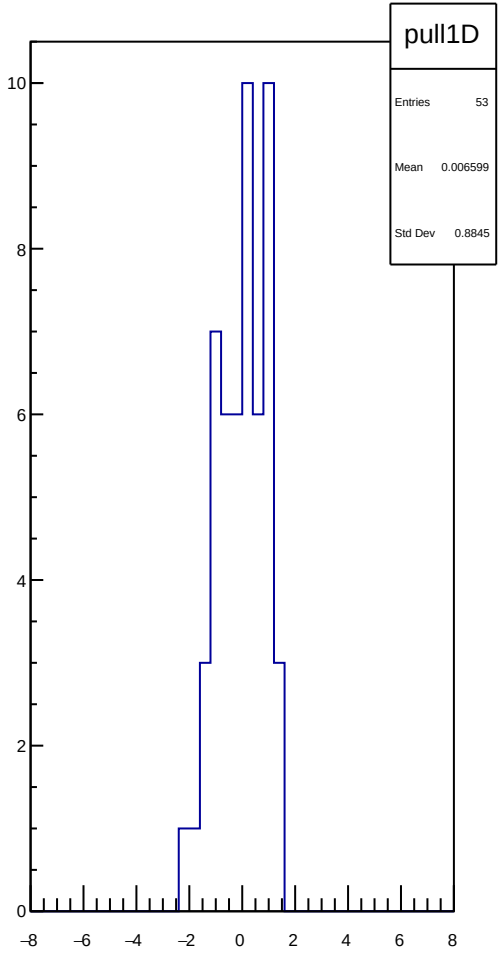

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.05 / 52
p0 −403 ± 5.776
−320
−340
−360
−380
−400
−420
−440
−460
−480
pull
Entries 53
Mean −81.14
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 53
Mean −0.0138
Std Dev 0.4353
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

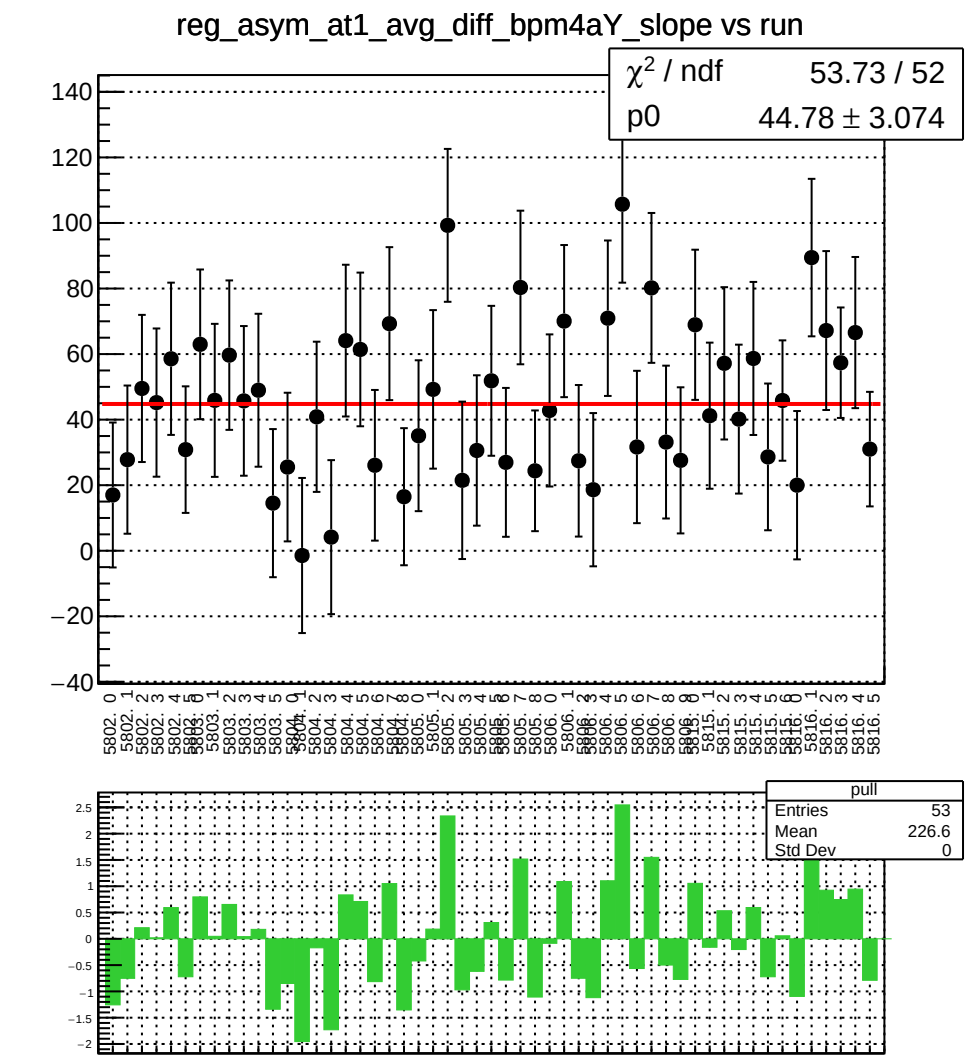

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.07 / 52
p0 −66.87 ± 7.131
pull
Entries 53
Mean −1072
Std Dev 0
pull1D
Entries 53
Mean 0.002733
Std Dev 0.4359

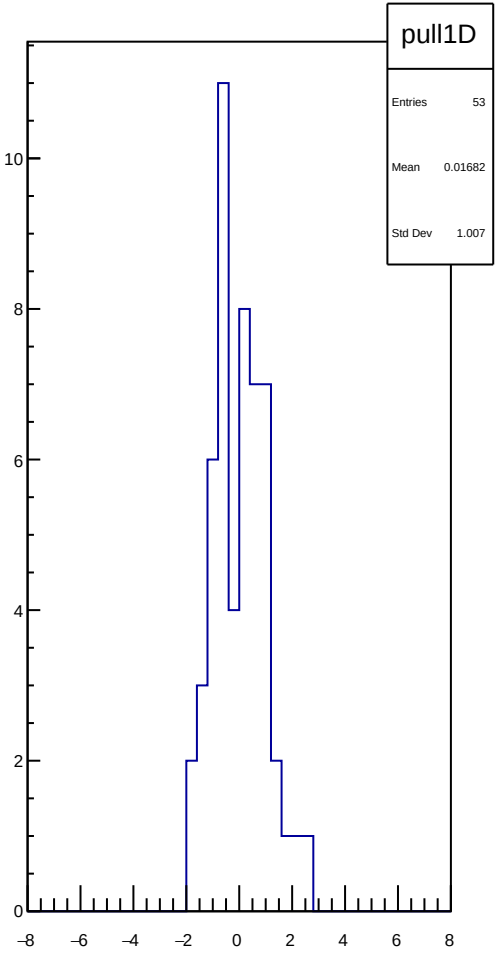

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 13.76 / 52
p0 137 ± 0.4517
144
142
140
138
136
134
132
130
128
pull
Entries 53
Mean −70.55
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

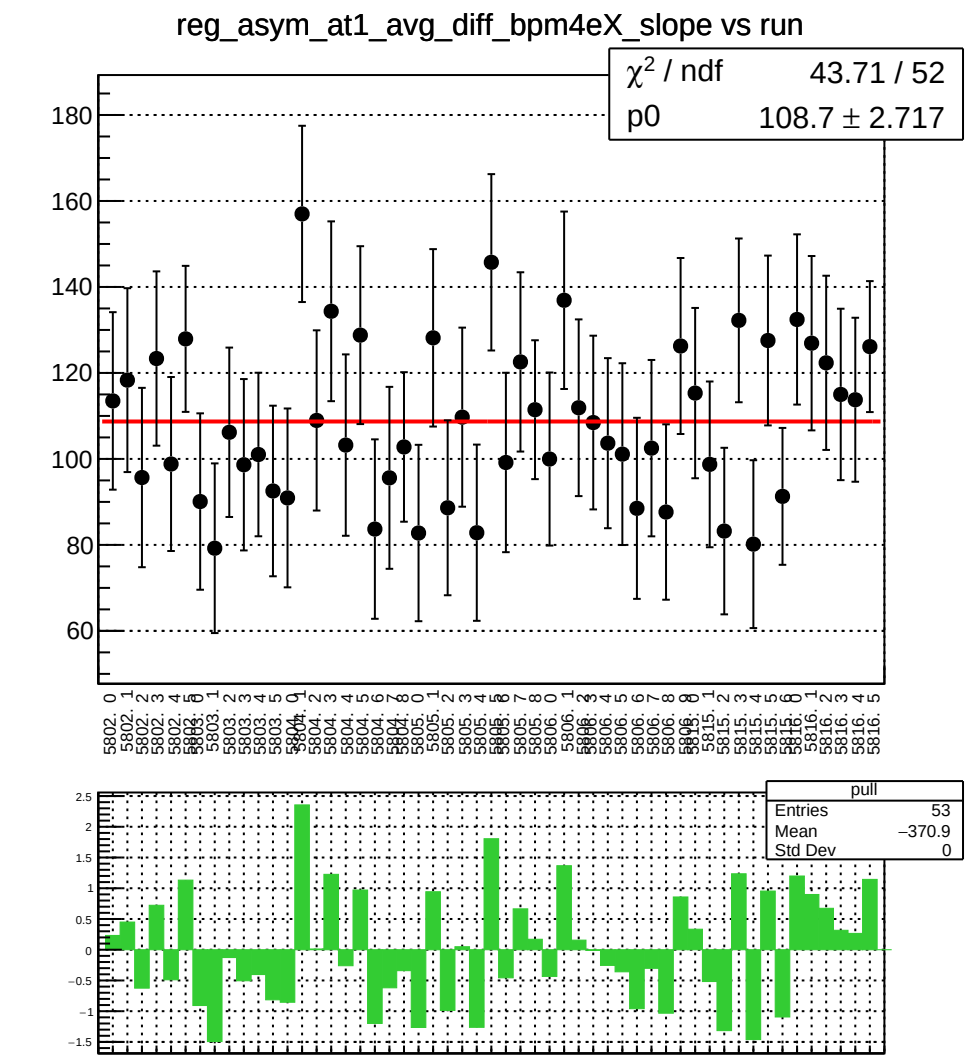

pull1D
Entries 53
Mean 0.004247
Std Dev 0.5095
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

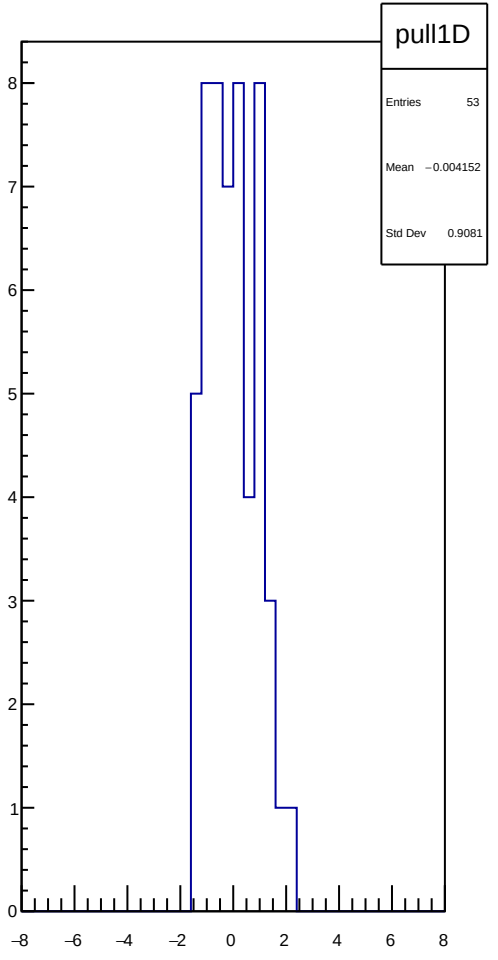

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 41.47 / 52
p0 −65.35 ± 1.856
pull
Entries 53
Mean −458.2
Std Dev 0

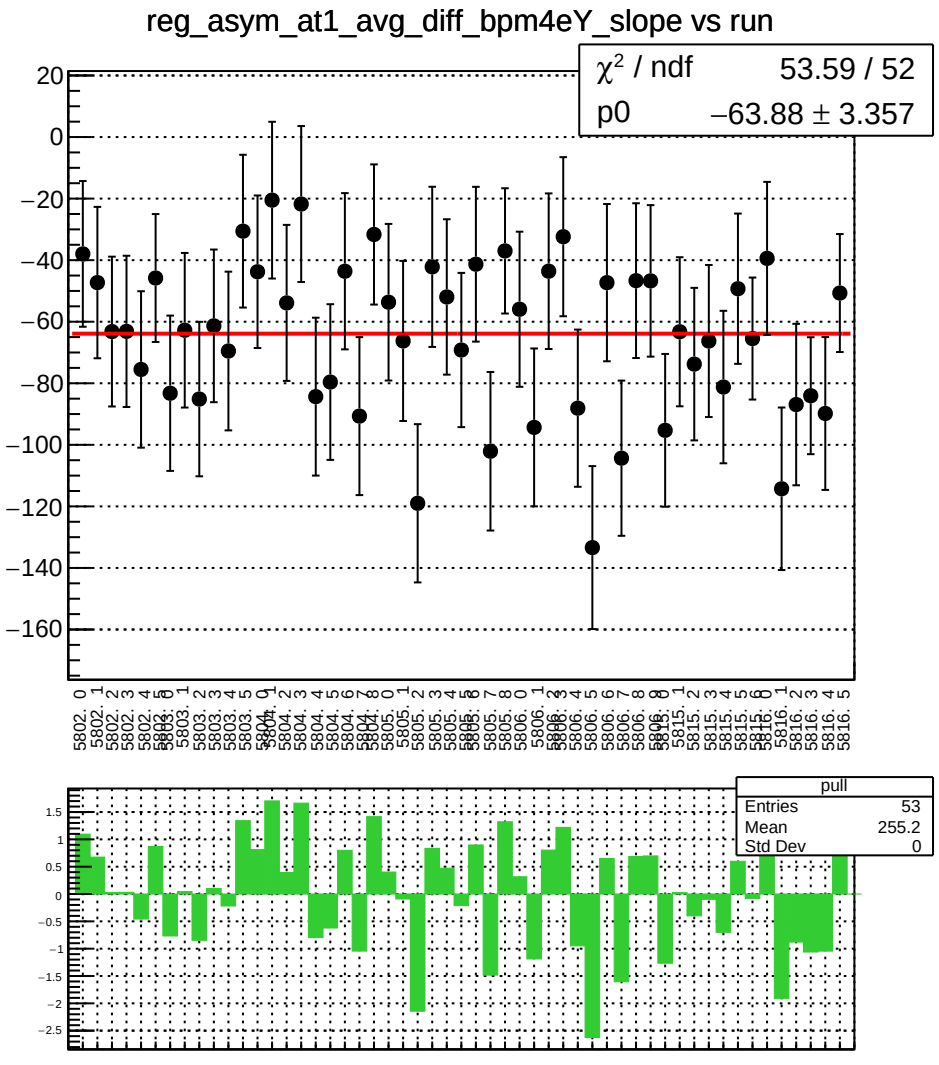

pull1D
Entries 53
Mean 0.006599
Std Dev 0.8845

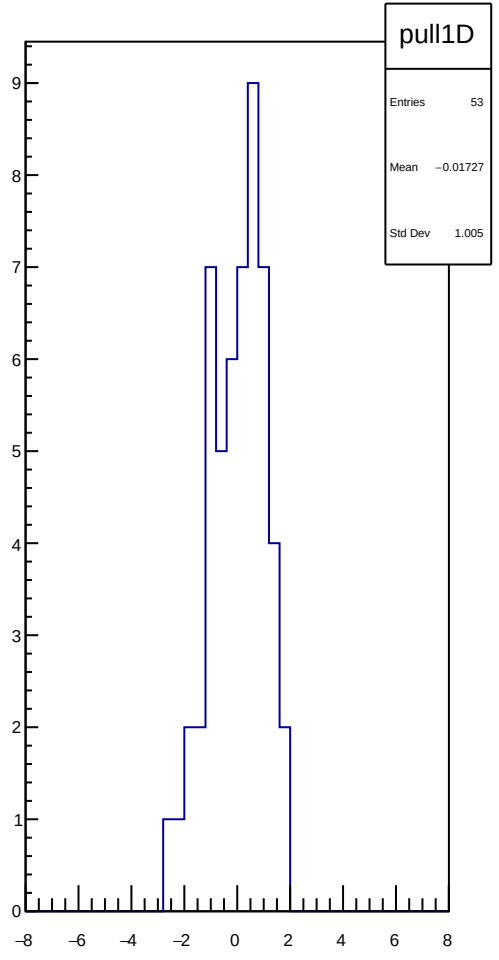

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.73 / 52
p0 44.78 ± 3.074
pull
Entries 53
Mean 226.6
Std Dev 0

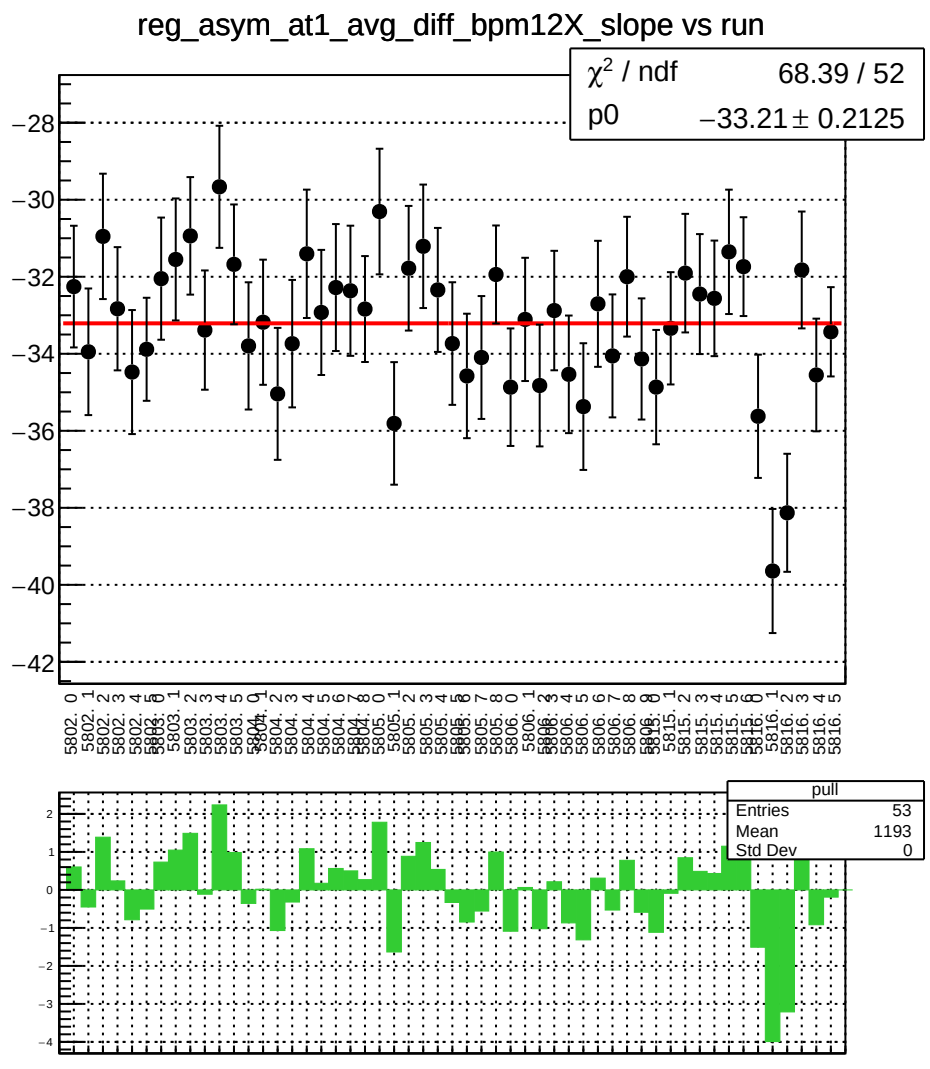

pull1D
Entries 53
Mean 0.01682
Std Dev 1.007

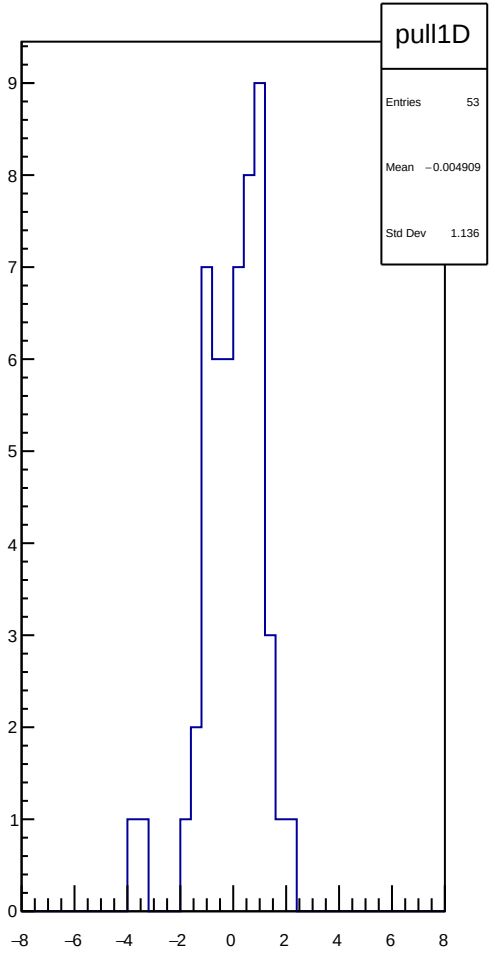

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.71 / 52
p0 108.7 ± 2.717
pull
Entries 53
Mean −370.9
Std Dev 0

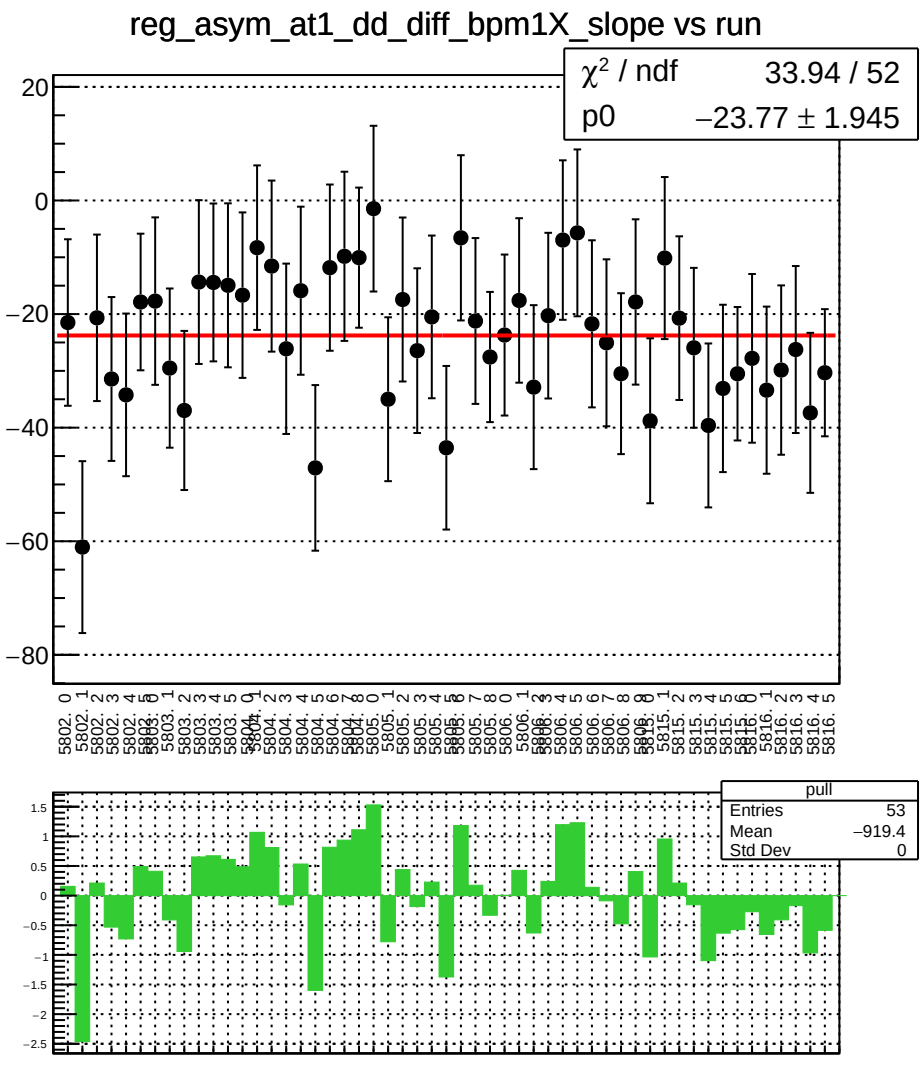

pull1D
Entries 53
Mean −0.004152
Std Dev 0.9081

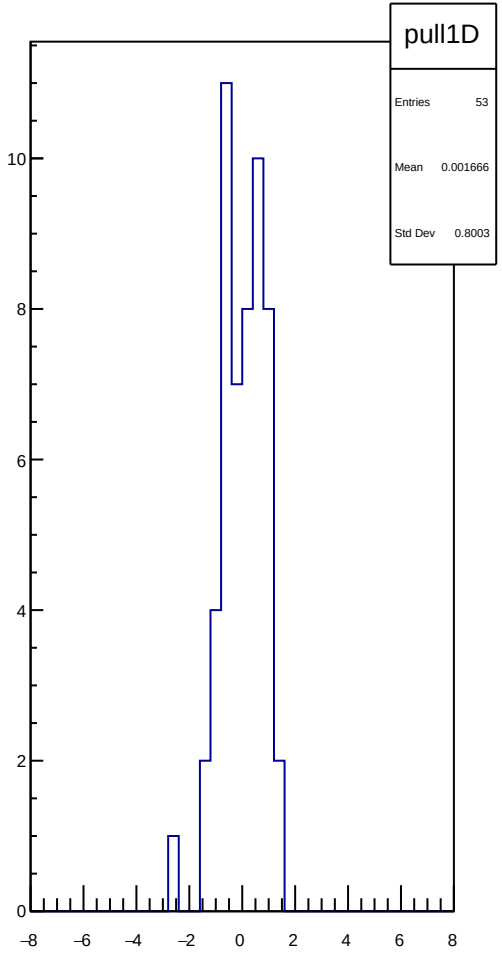

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.59 / 52
p0 −63.88 ± 3.357
pull
Entries 53
Mean 255.2
Std Dev 0

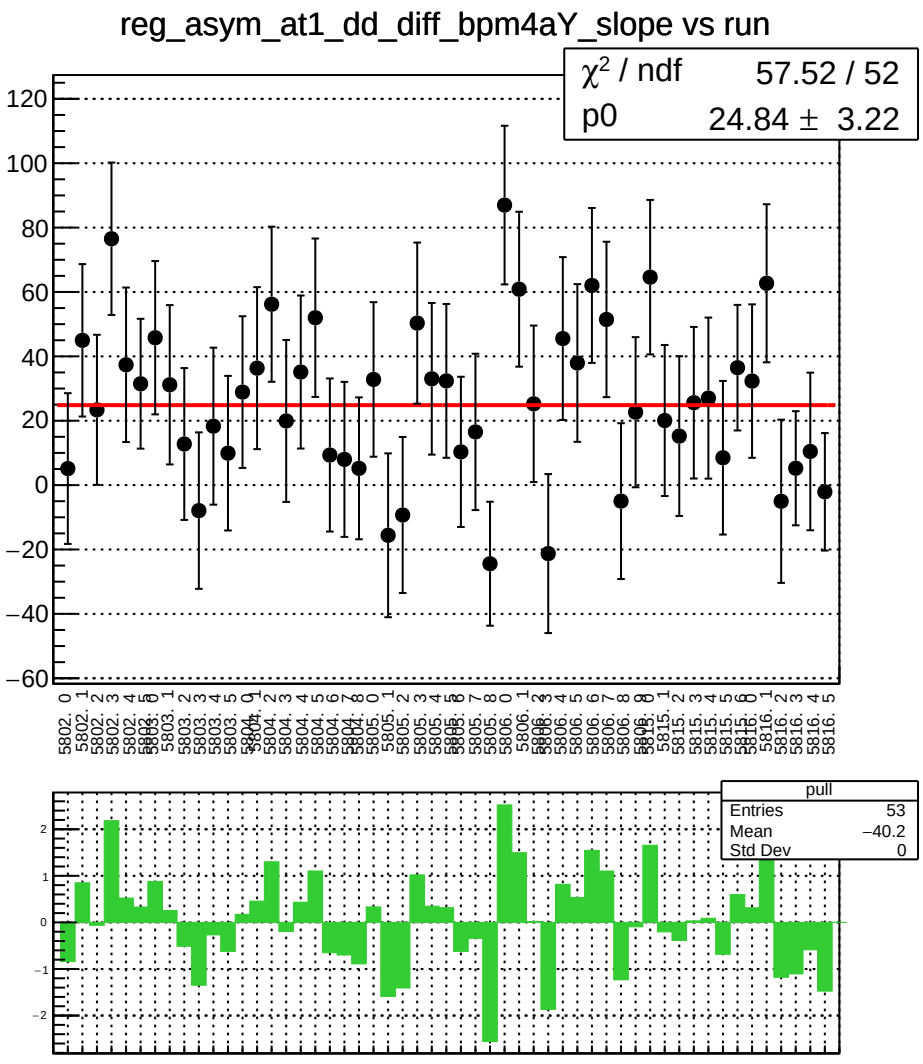

pull1D
Entries 53
Mean −0.01727
Std Dev 1.005

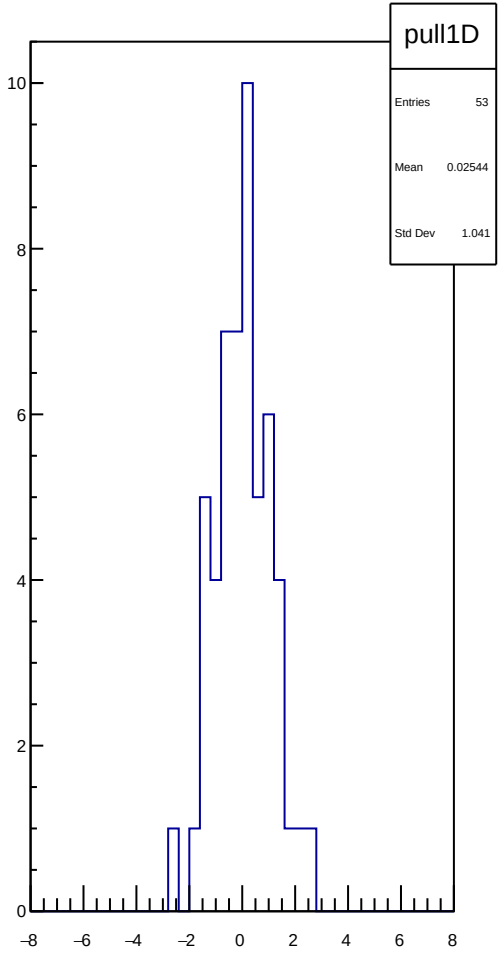

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 68.39 / 52
p0 −33.21 ± 0.2125
pull
Entries 53
Mean 1193
Std Dev 0

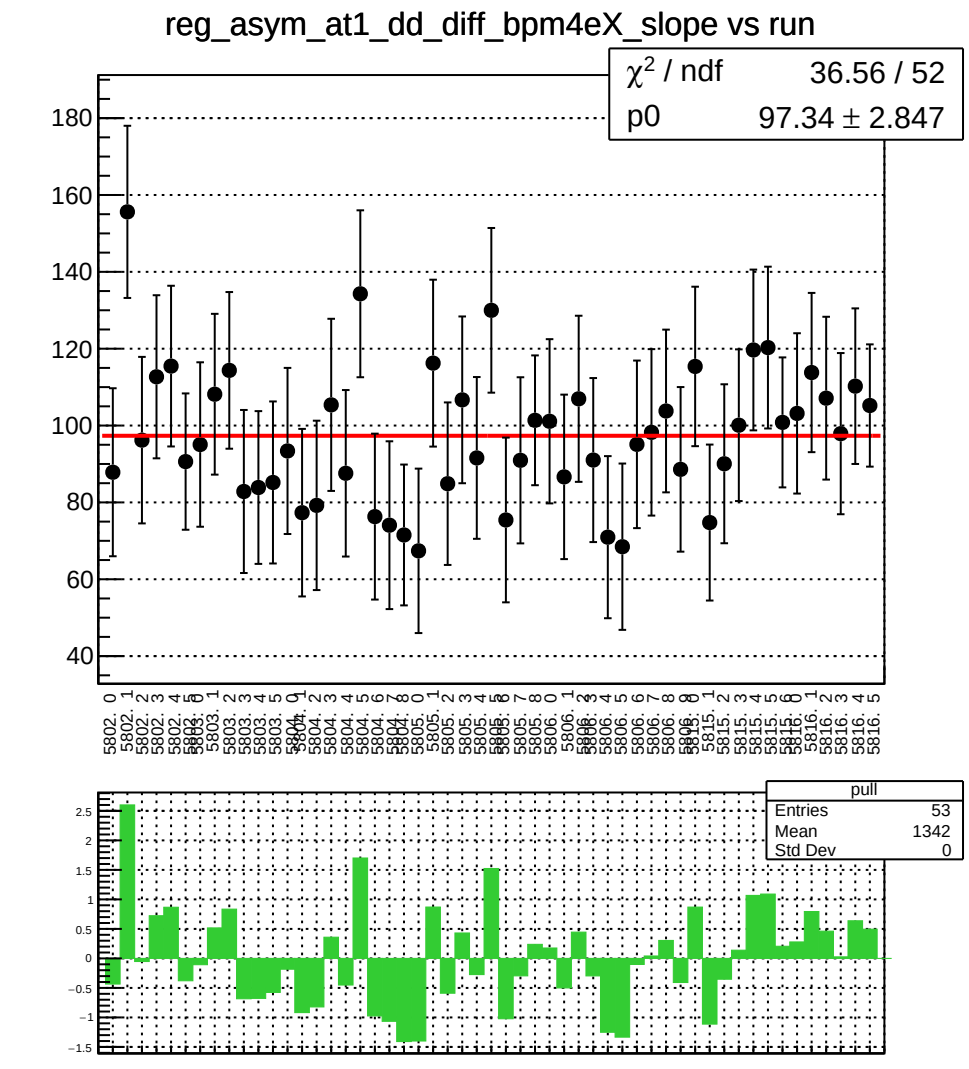

pull1D
Entries 53
Mean −0.004909
Std Dev 1.136

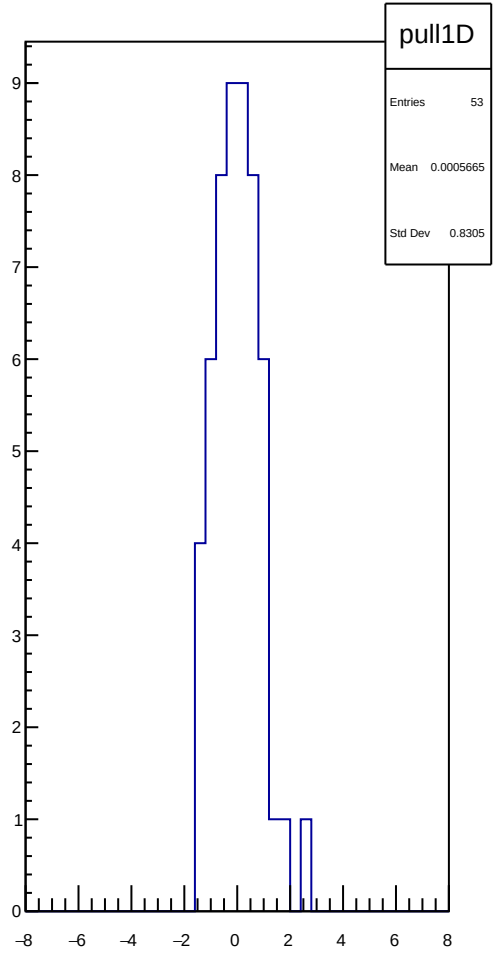

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 33.94 / 52
p0 −23.77 ± 1.945
pull
Entries 53
Mean −919.4
Std Dev 0

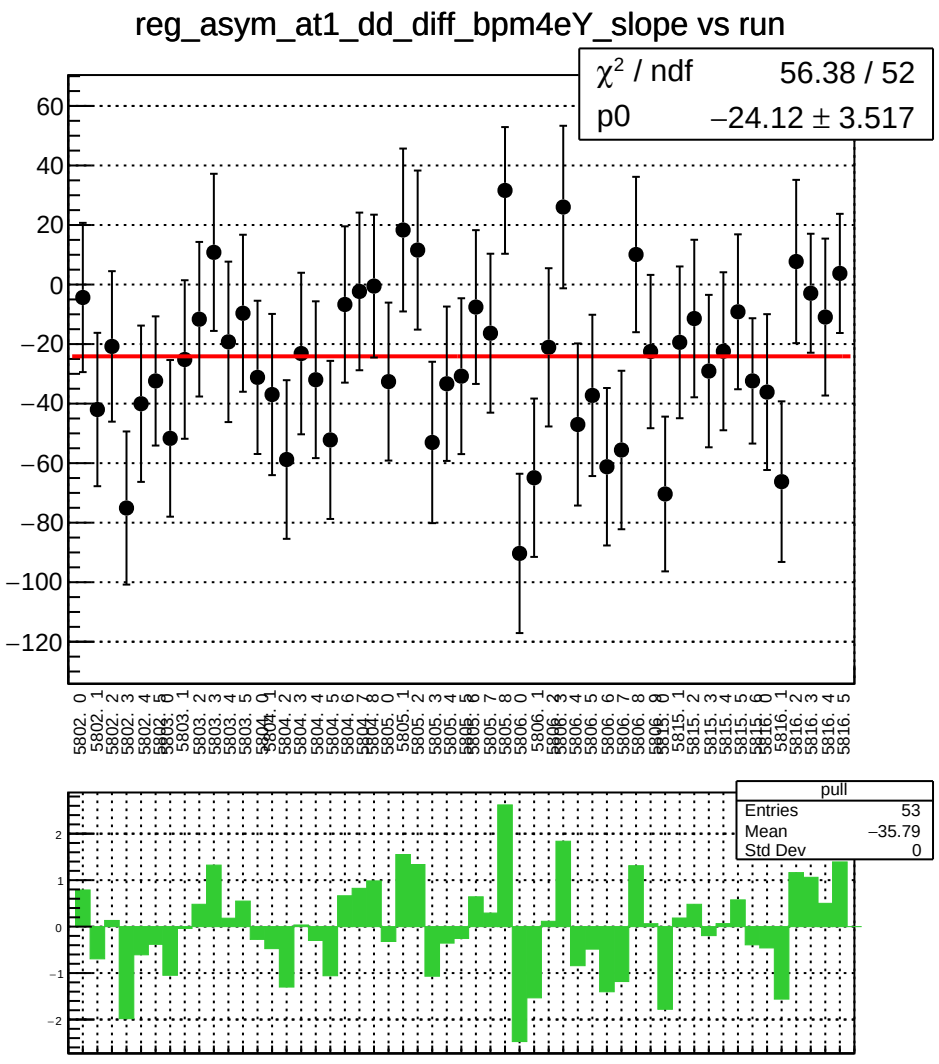

pull1D
Entries 53
Mean 0.001666
Std Dev 0.8003

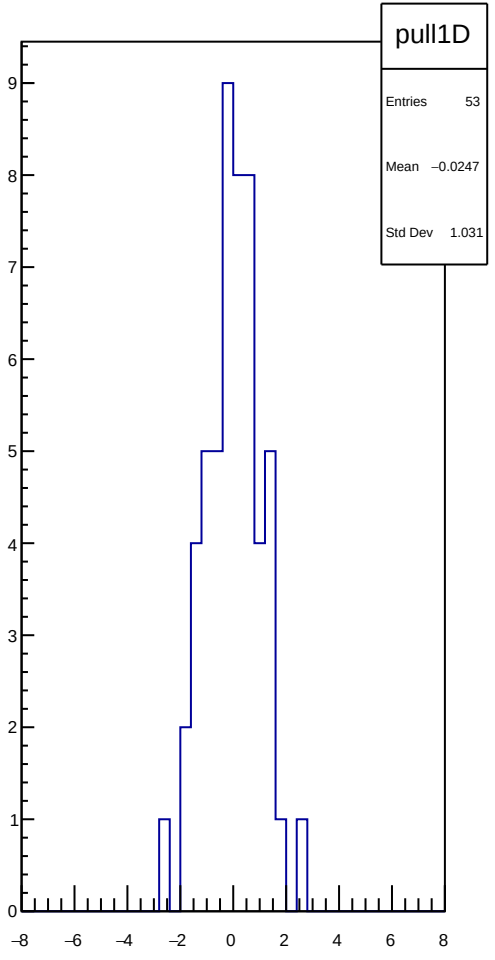

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.52 / 52
p0 24.84 ± 3.22
pull
Entries 53
Mean −40.2
Std Dev 0

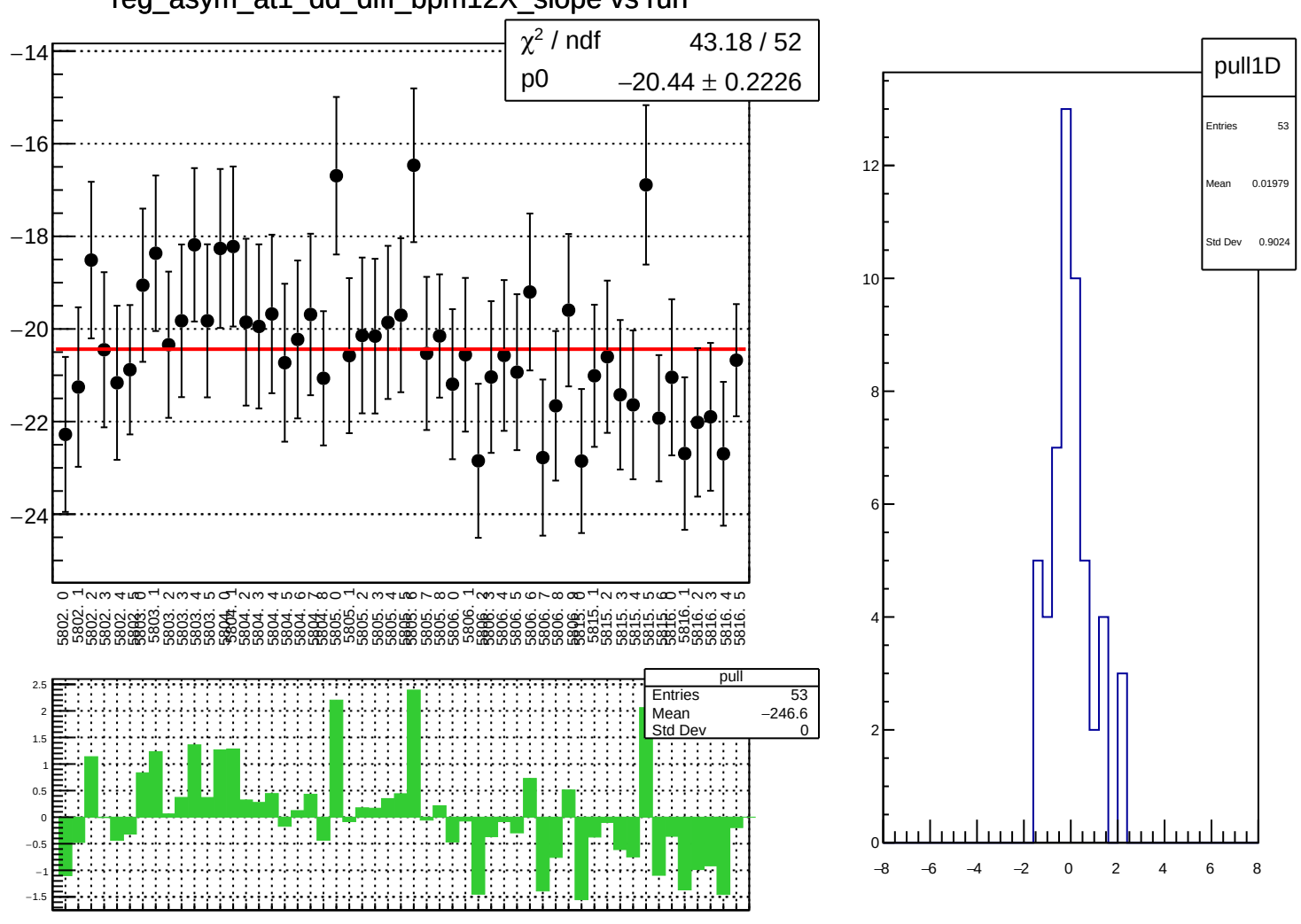

pull1D
Entries 53
Mean 0.02544
Std Dev 1.041

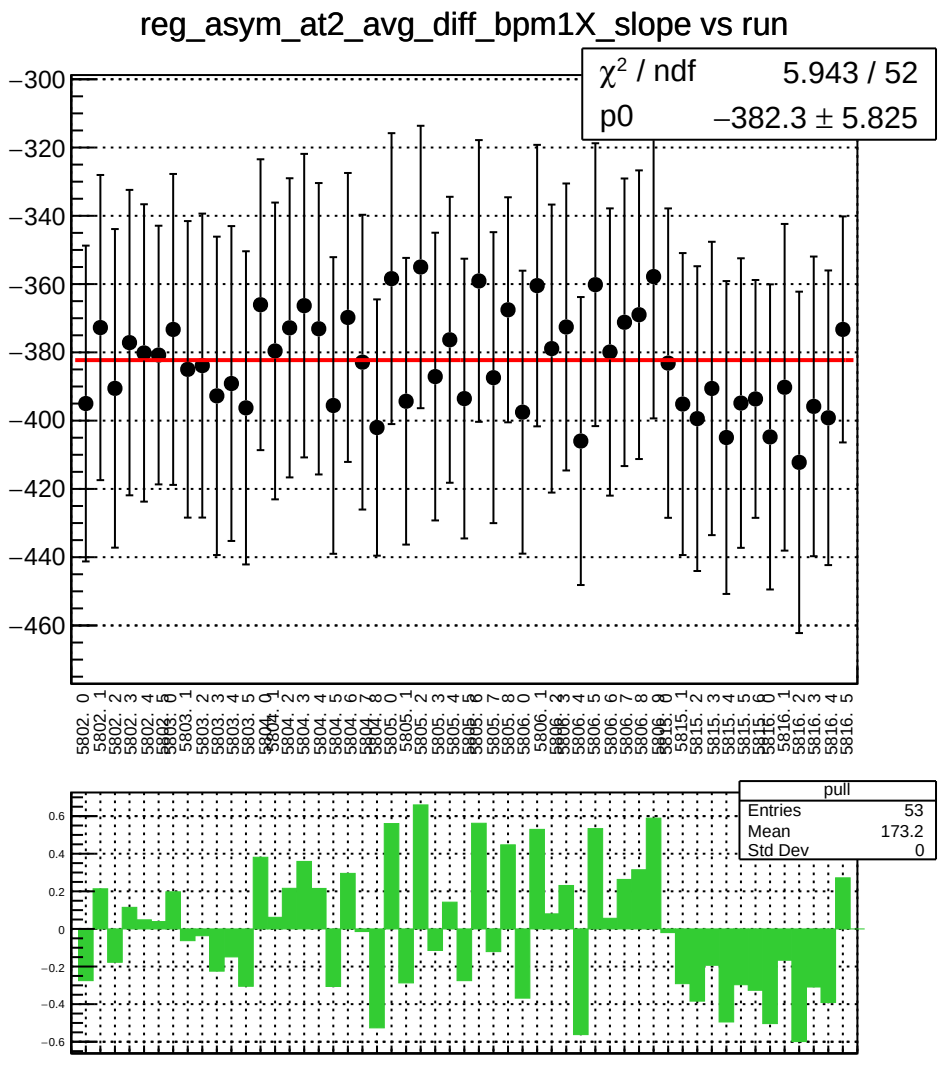

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.56 / 52
p0 97.34 ± 2.847
pull
Entries 53
Mean 1342
Std Dev 0

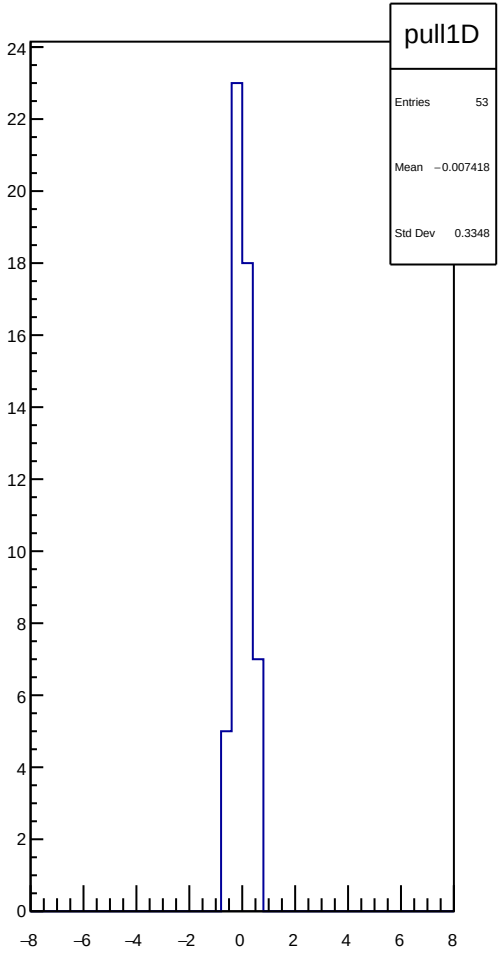

pull1D
Entries 53
Mean 0.0005665
Std Dev 0.8305

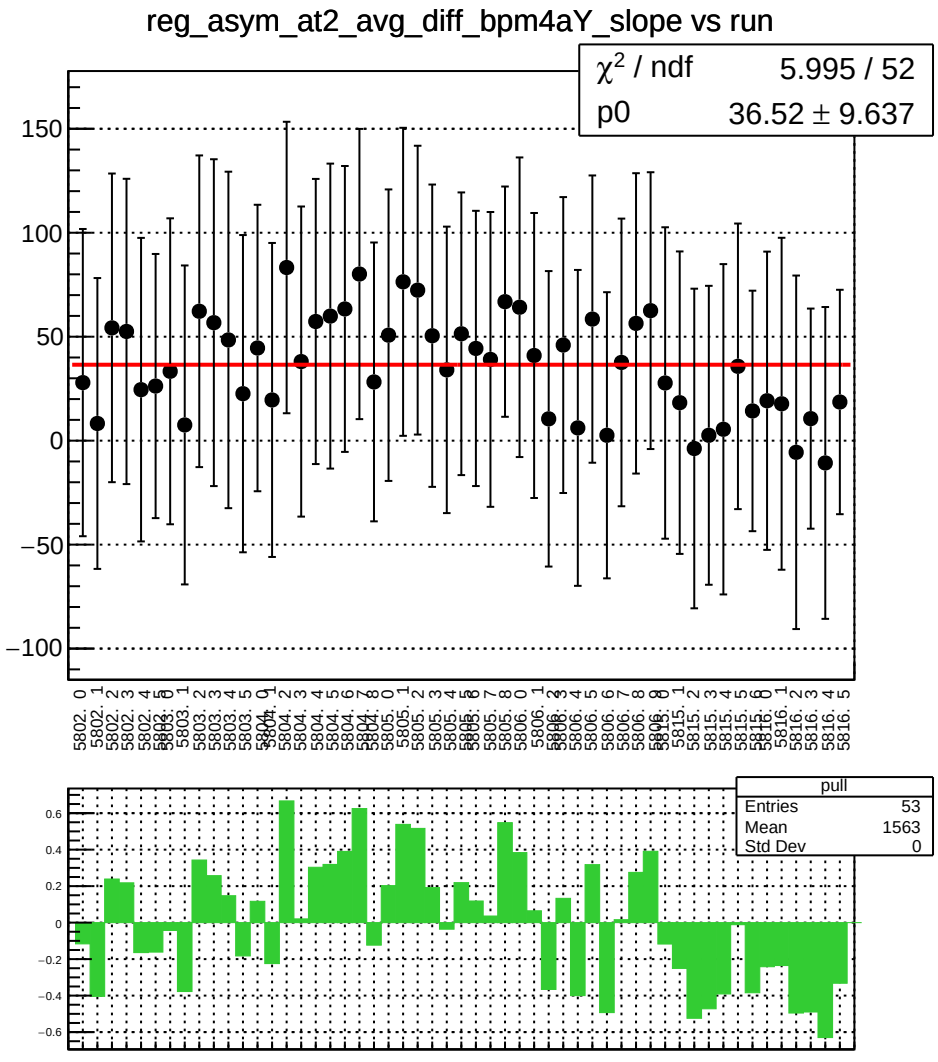

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.38 / 52
p0 −24.12 ± 3.517
pull
Entries 53
Mean −35.79
Std Dev 0

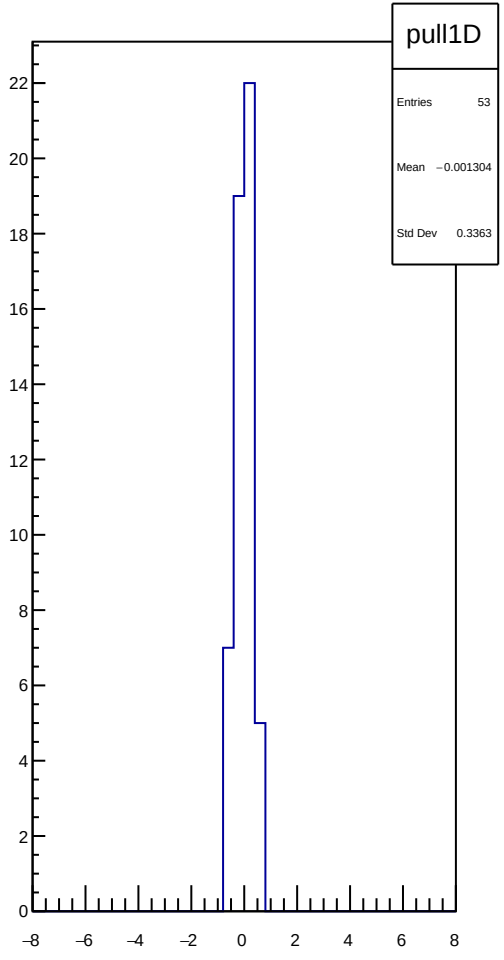

pull1D
Entries 53
Mean −0.0247
Std Dev 1.031

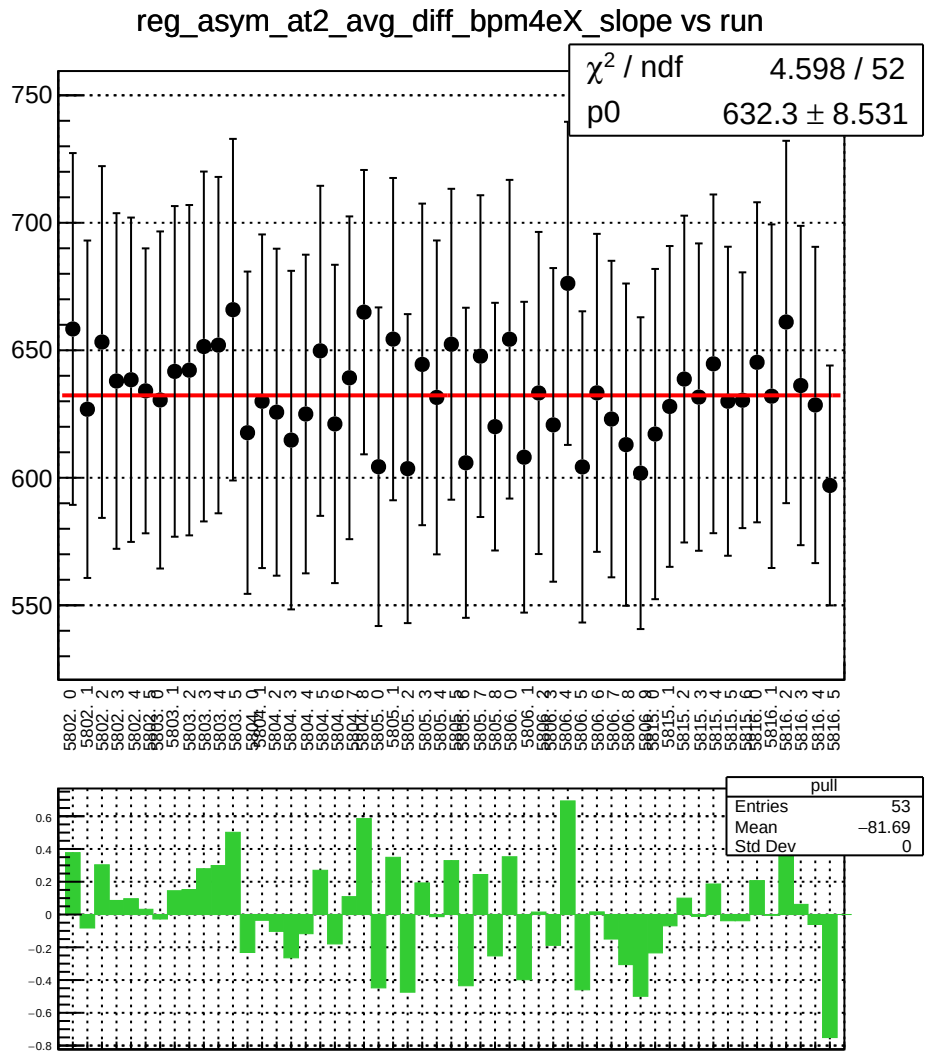

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 43.18 / 52
p0 −20.44 ± 0.2226
pull
Entries 53
Mean −246.6
Std Dev 0
pull1D
Entries 53
Mean 0.01979
Std Dev 0.9024

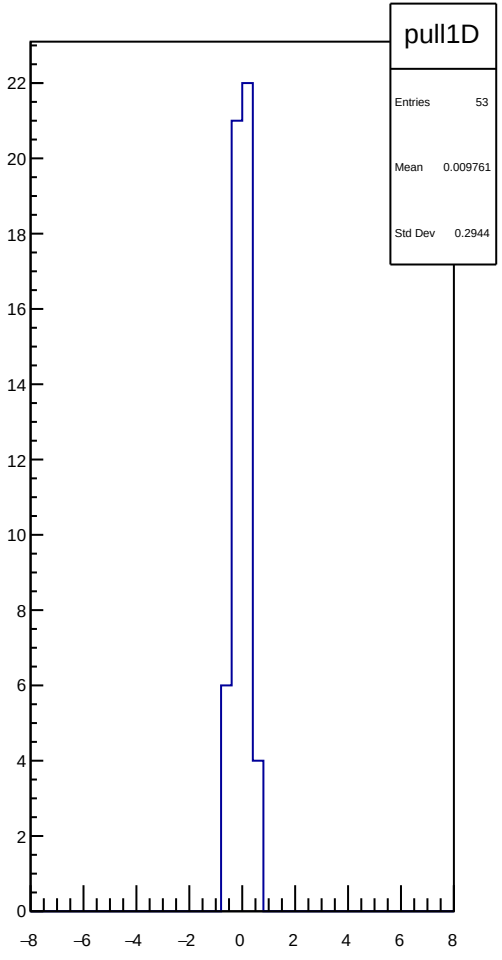

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.943 / 52
p0 −382.3 ± 5.825
pull
Entries 53
Mean 173.2
Std Dev 0

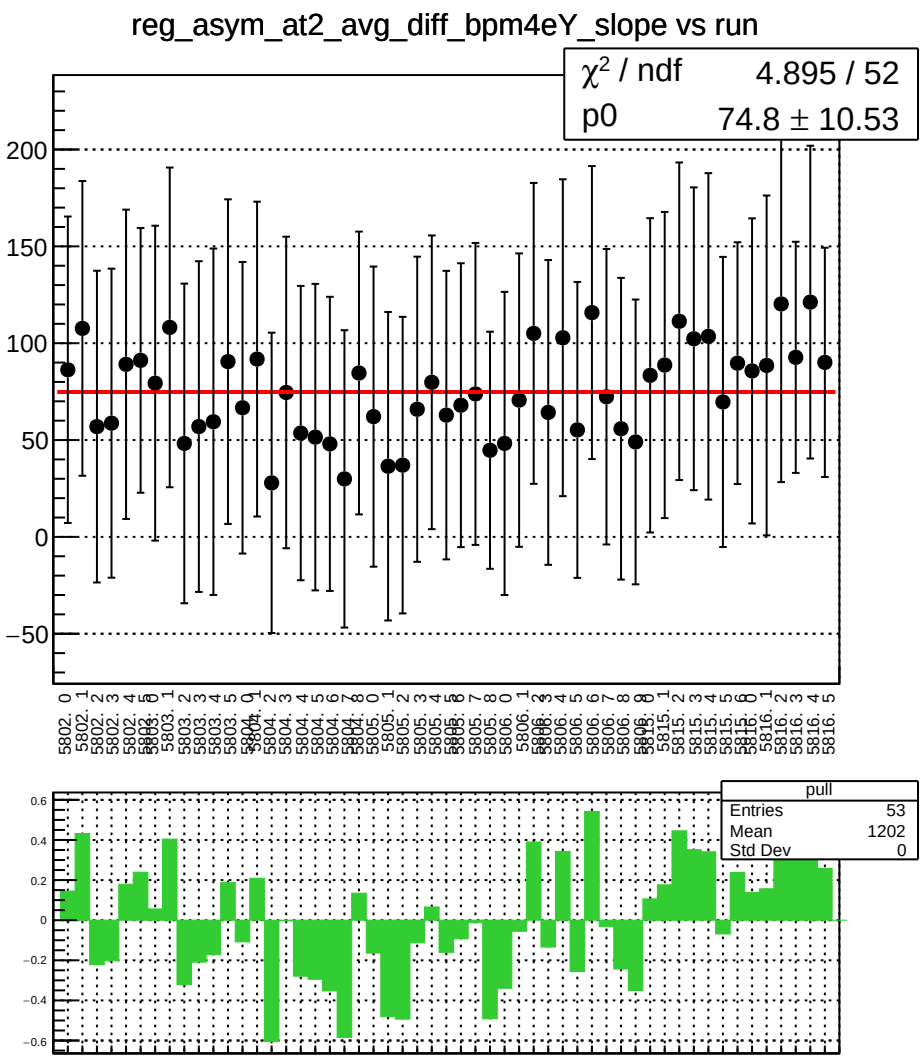

pull1D
Entries 53
Mean −0.007418
Std Dev 0.3348

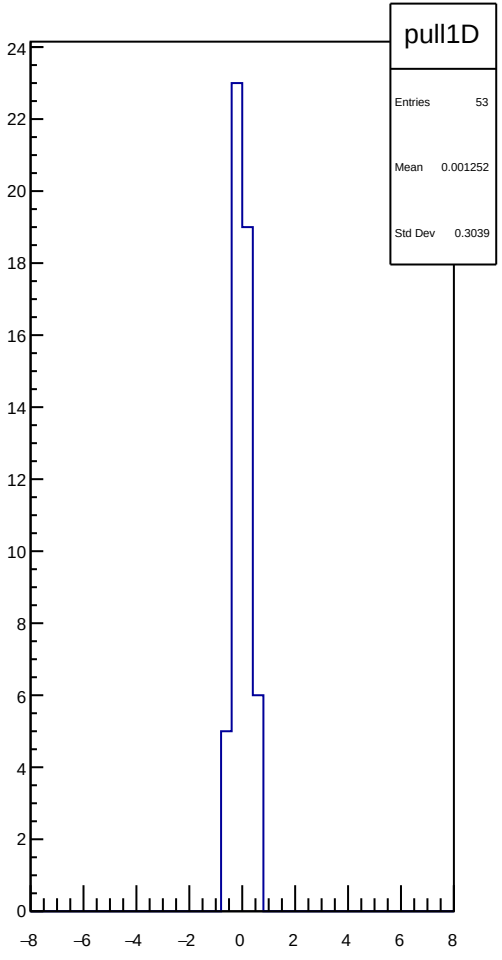

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.995 / 52
p0 36.52 ± 9.637
150
100
50
0
−50
−100
pull
Entries 53
Mean 1563
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

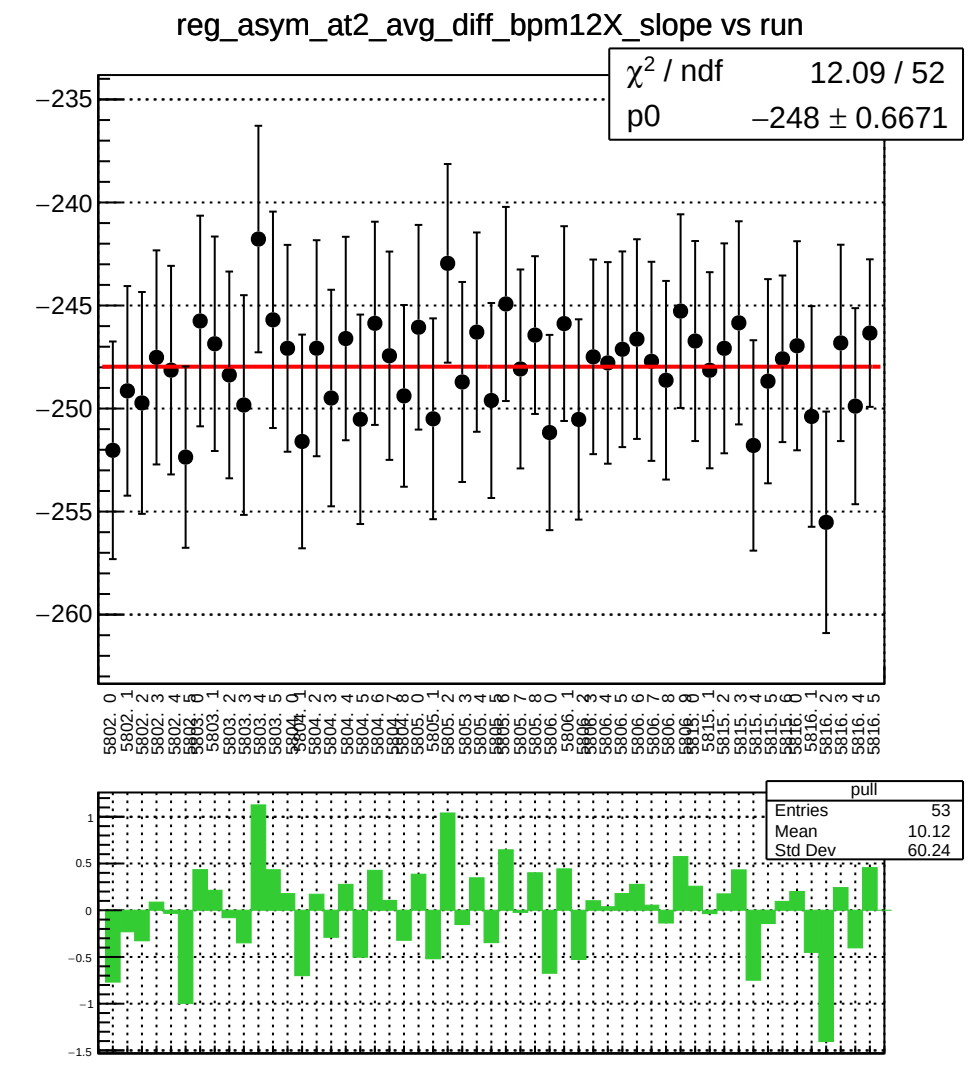

pull1D
Entries 53
Mean −0.001304
Std Dev 0.3363
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

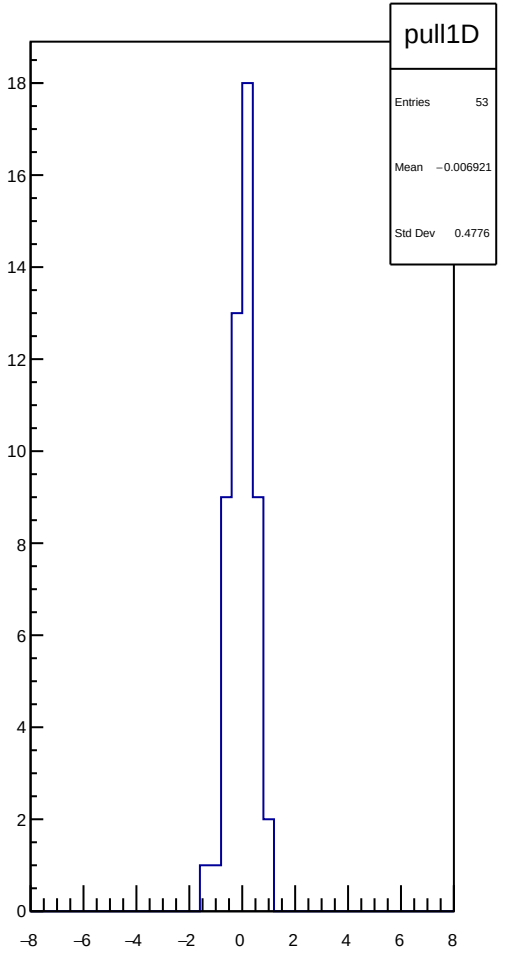

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.598 / 52
p0 632.3 ± 8.531
750
700
650
600
550
pull
Entries 53
Mean −81.69
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

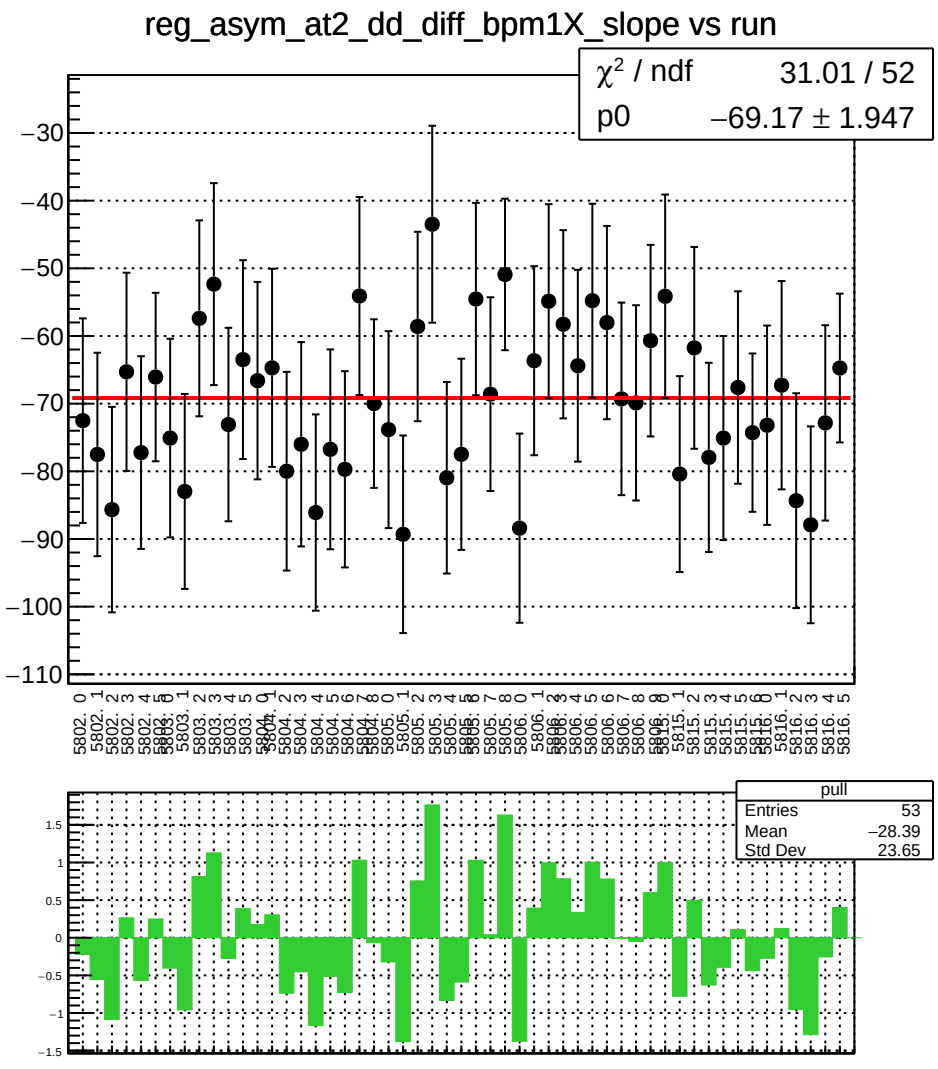

pull1D
Entries 53
Mean 0.009761
Std Dev 0.2944
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

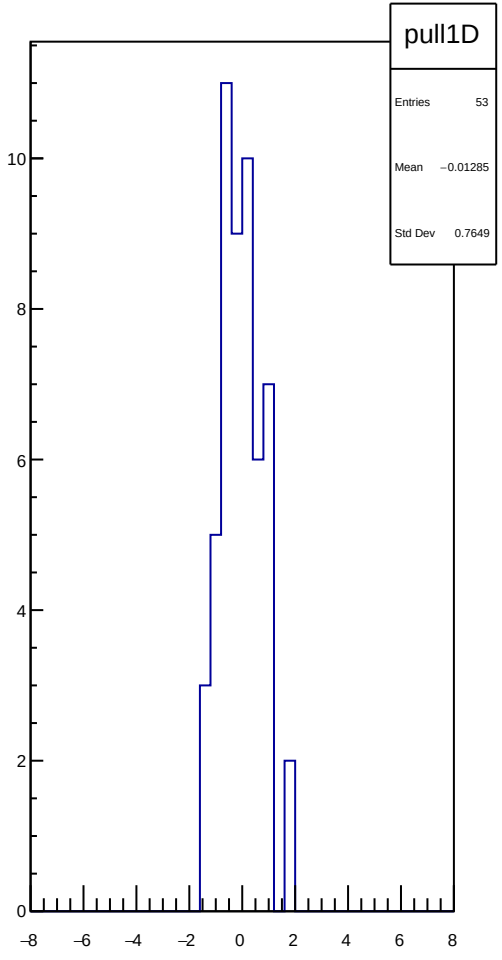

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.895 / 52
p0 74.8 ± 10.53
pull
Entries 53
Mean 1202
Std Dev 0

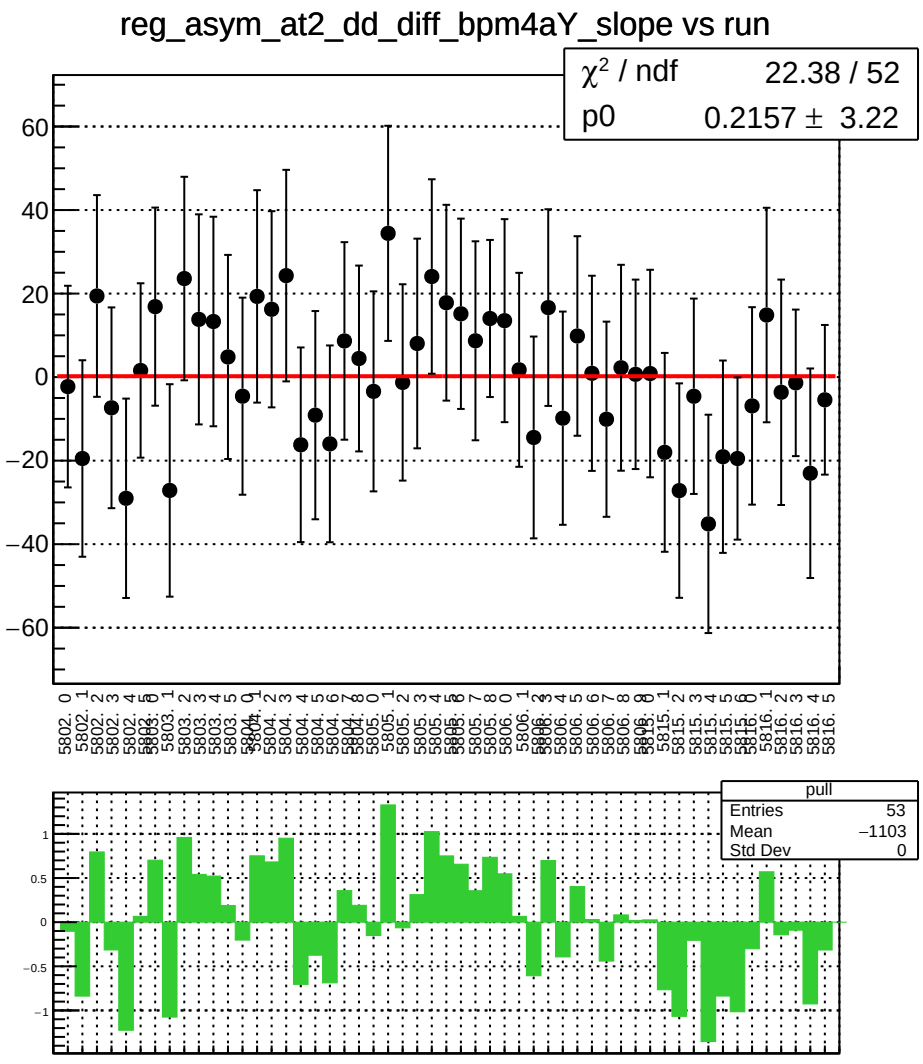

pull1D
Entries 53
Mean 0.001252
Std Dev 0.3039

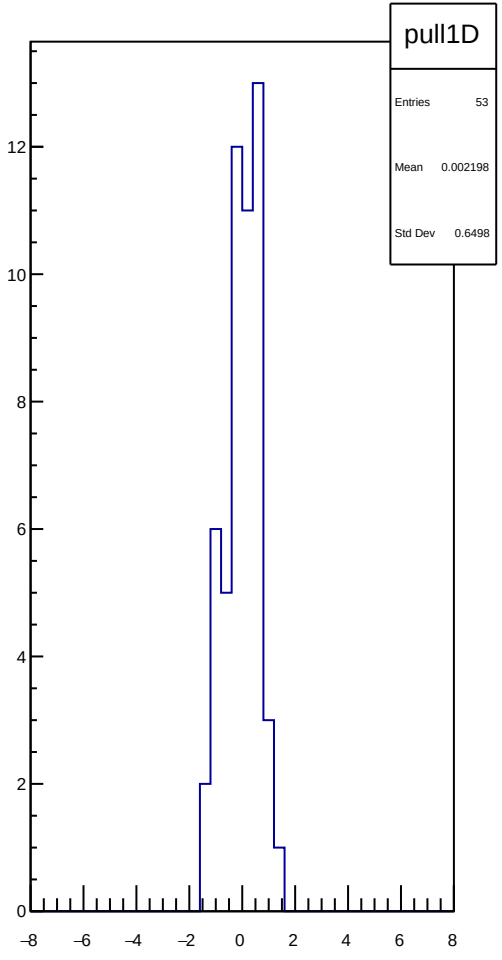

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.09 / 52
p0 −248 ± 0.6671
pull
Entries 53
Mean 10.12
Std Dev 60.24

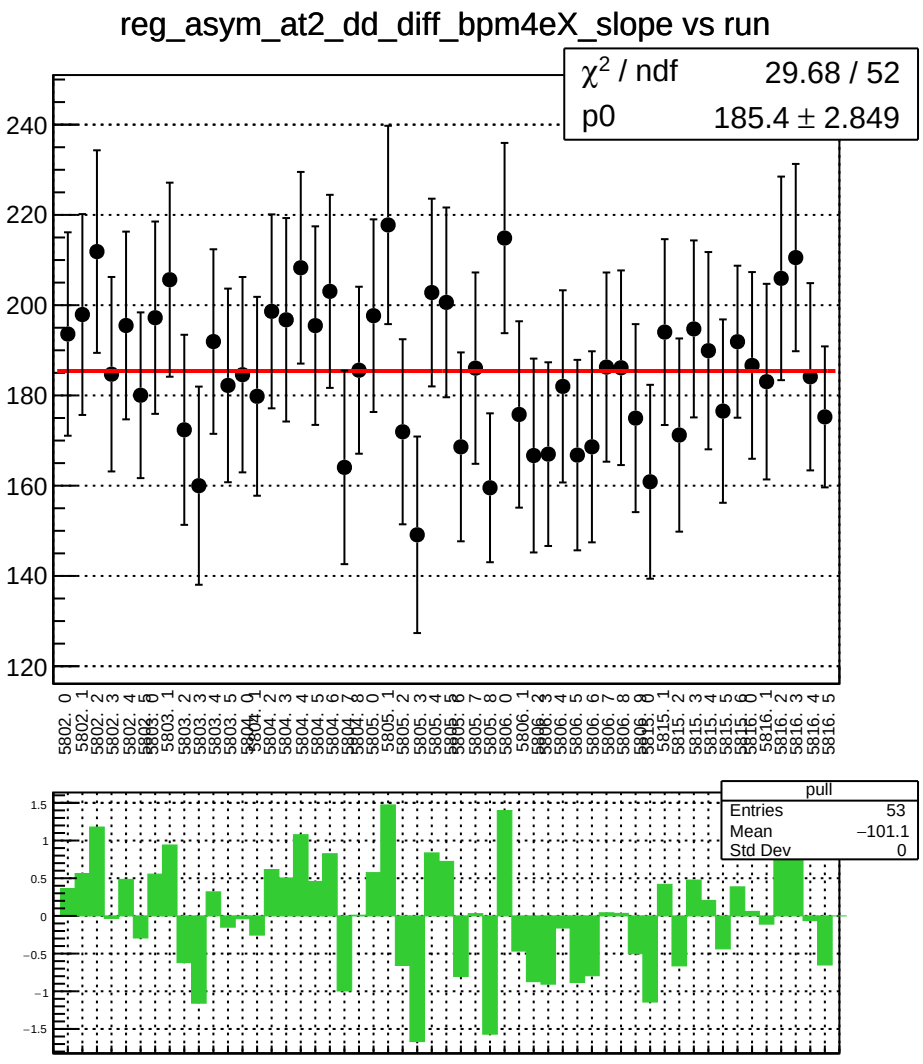

pull1D
Entries 53
Mean −0.006921
Std Dev 0.4776

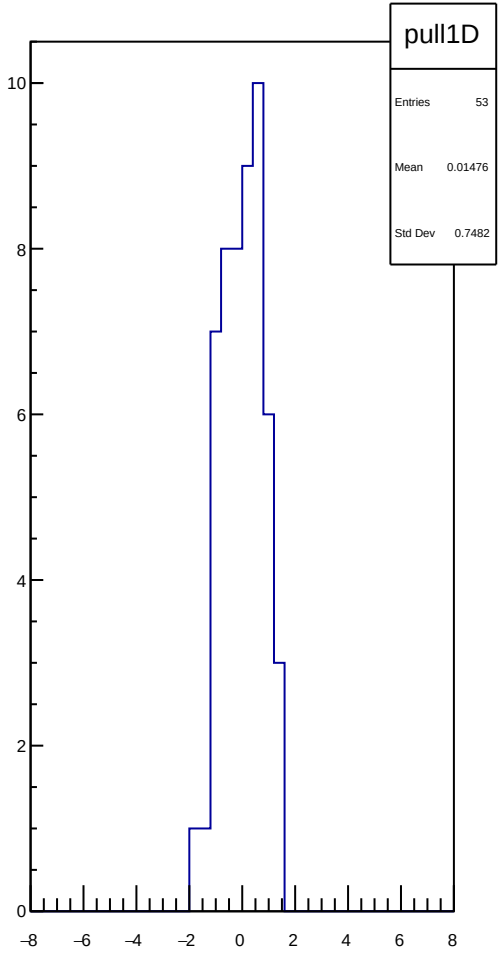

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 31.01 / 52
p0 −69.17 ± 1.947
pull
Entries 53
Mean −28.39
Std Dev 23.65

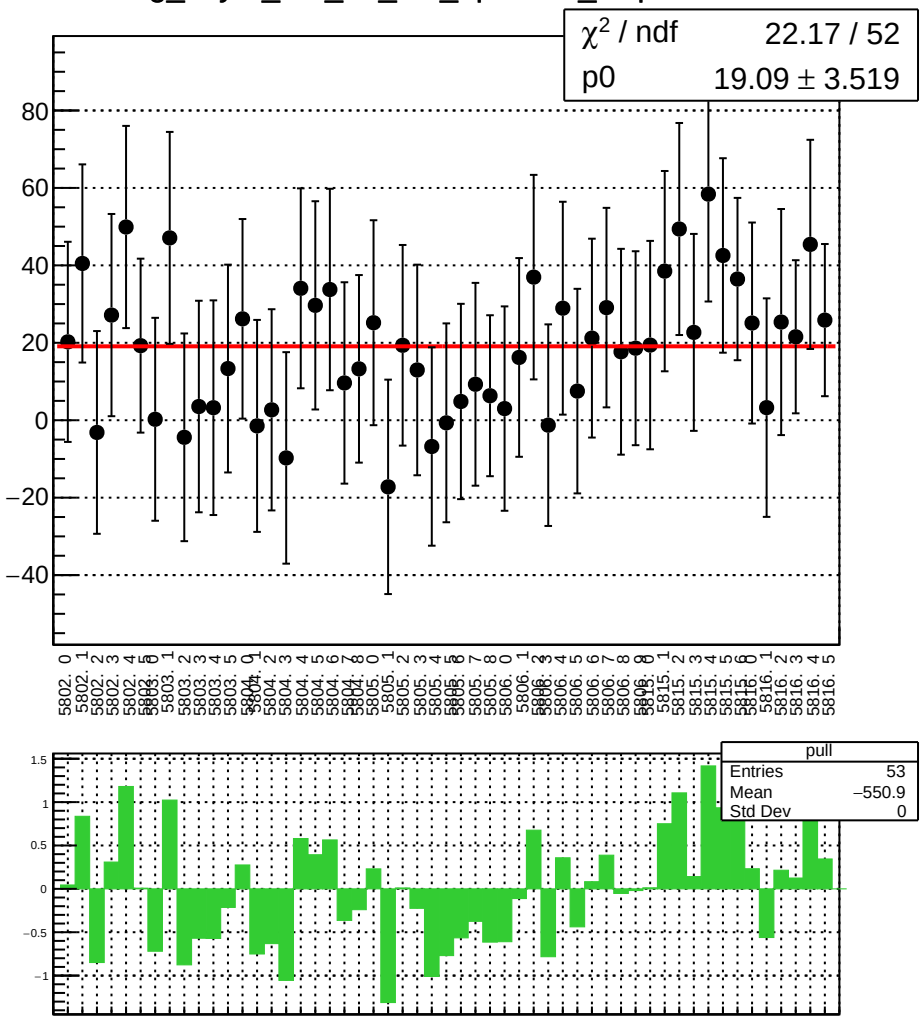

pull1D
Entries 53
Mean −0.01285
Std Dev 0.7649

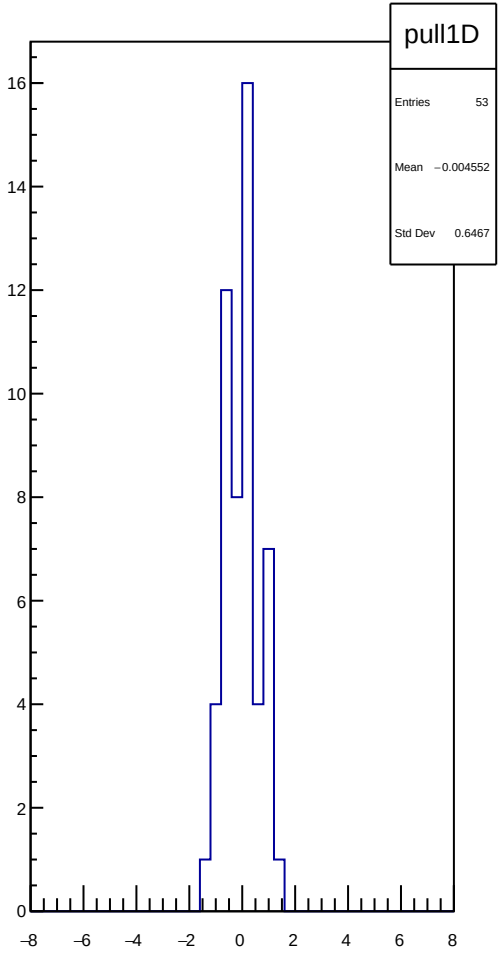

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.38 / 52
p0 0.2157 ± 3.22
pull
Entries 53
Mean −1103
Std Dev 0

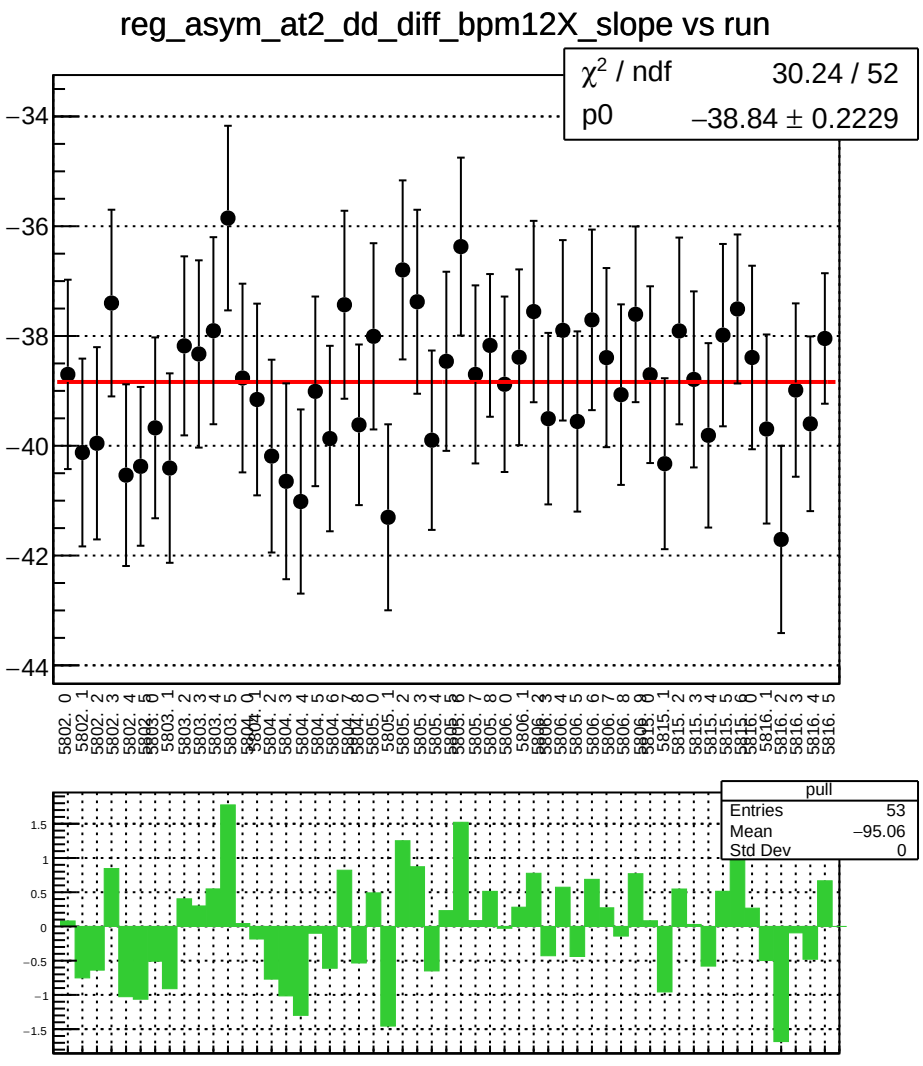

pull1D
Entries 53
Mean 0.002198
Std Dev 0.6498

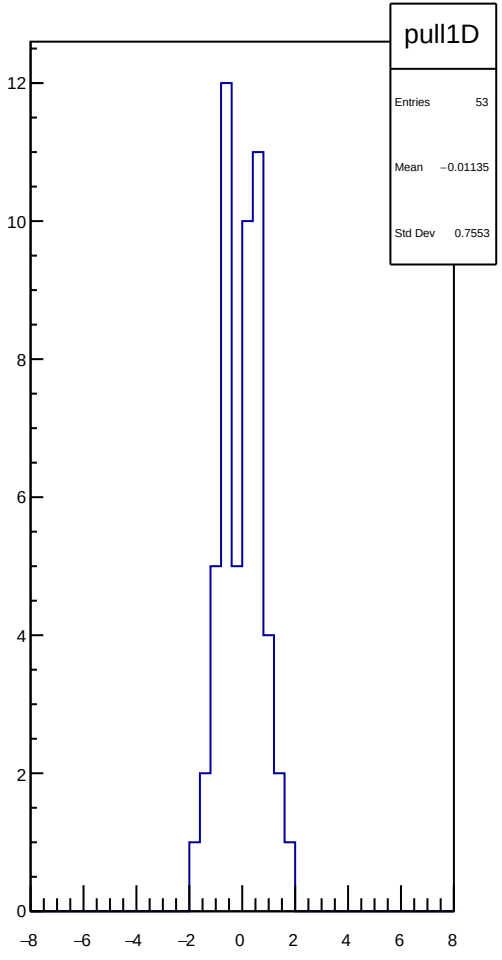

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.68 / 52
p0 185.4 ± 2.849
240
220
200
180
160
140
120
pull
Entries 53
Mean −101.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

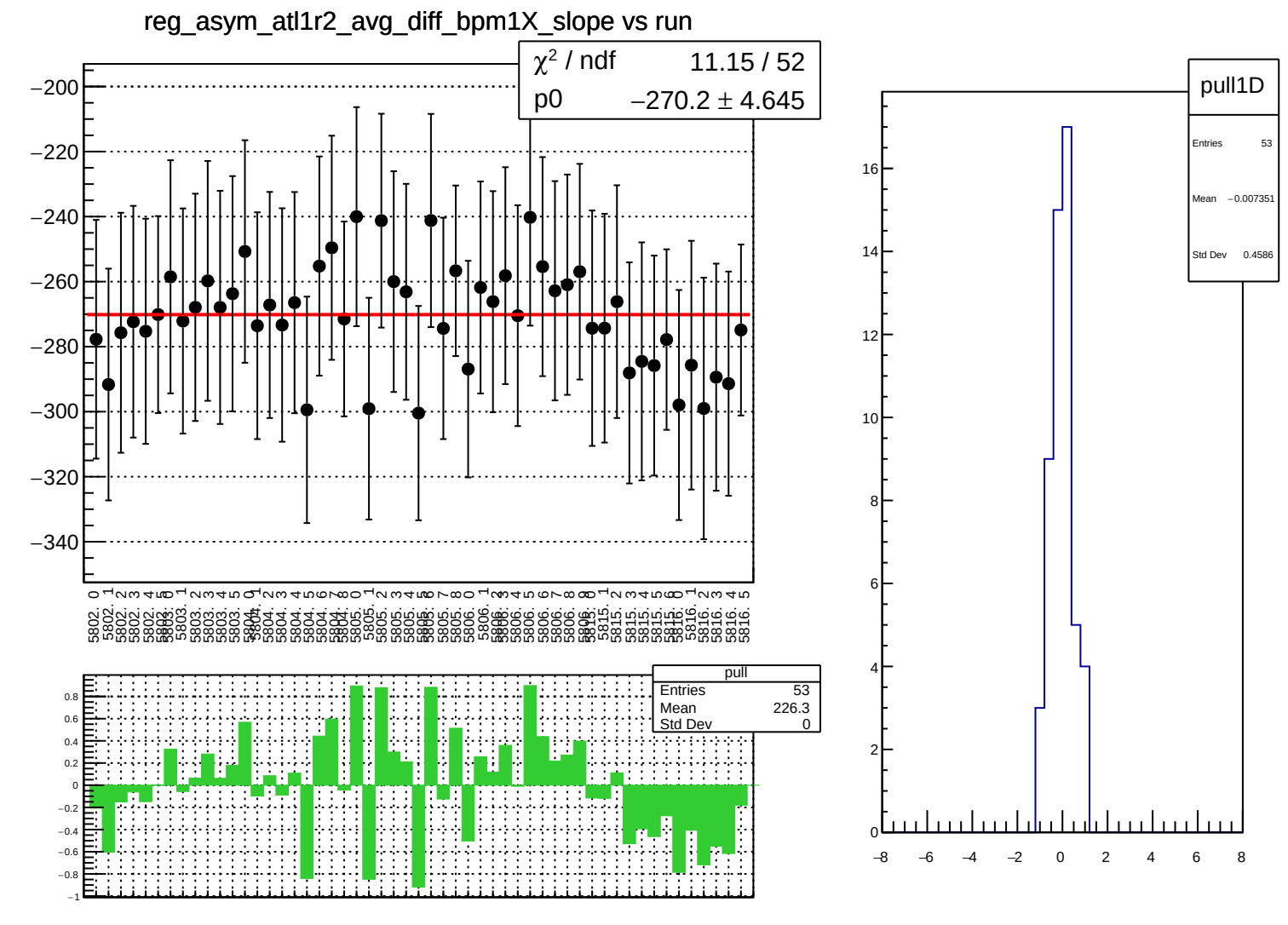

pull1D
Entries 53
Mean 0.01476
Std Dev 0.7482
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

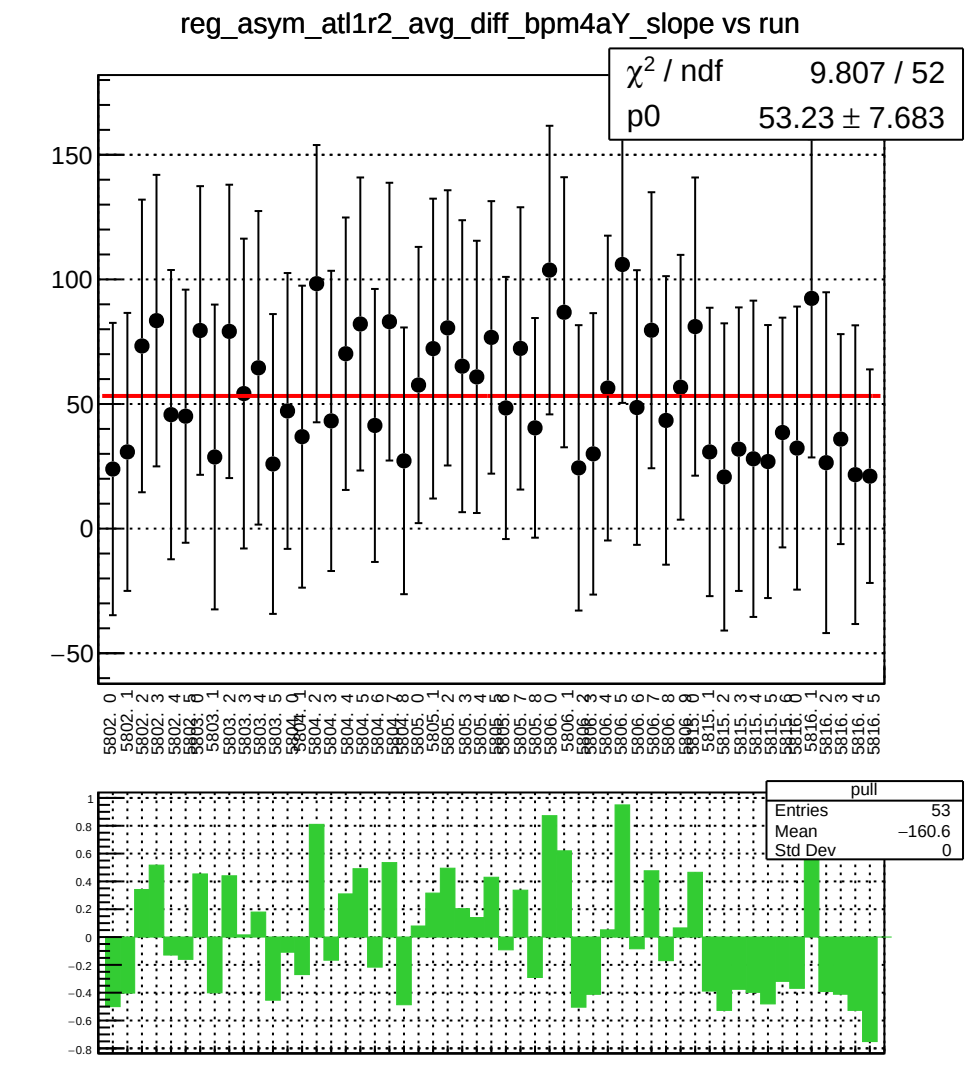

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.17 / 52
p0 19.09 ± 3.519
pull
Entries 53
Mean −550.9
Std Dev 0

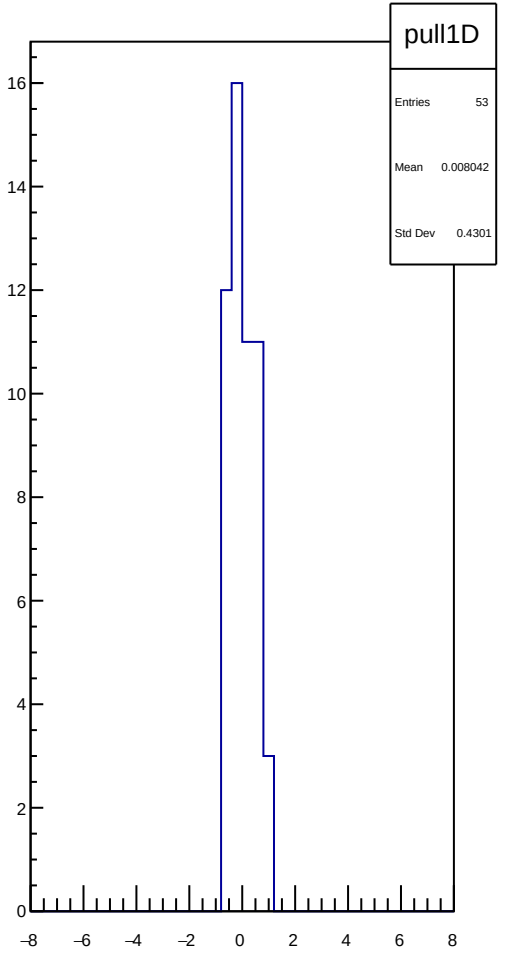

pull1D
Entries 53
Mean −0.004552
Std Dev 0.6467

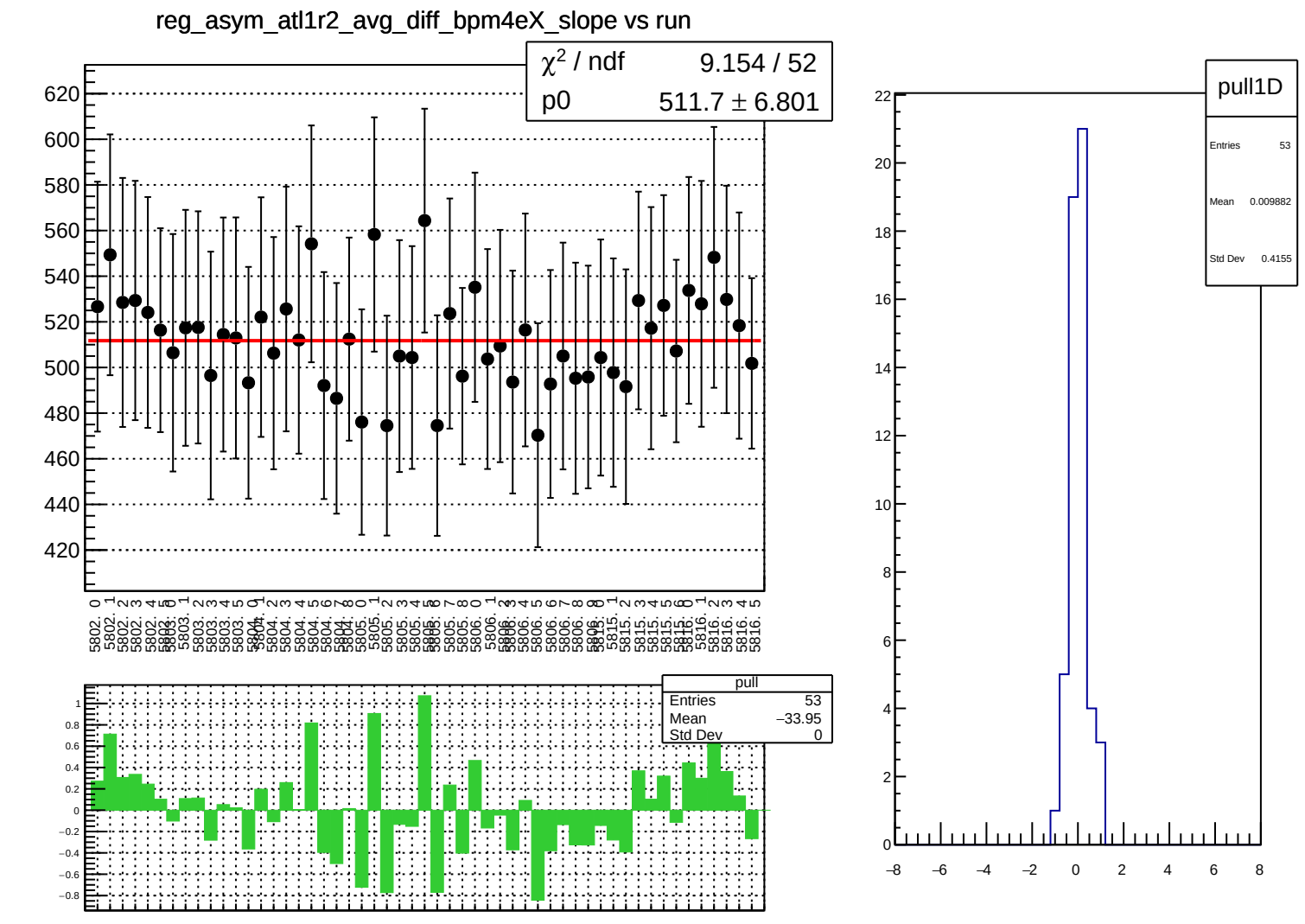

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.24 / 52
p0 −38.84 ± 0.2229
pull
Entries 53
Mean −95.06
Std Dev 0

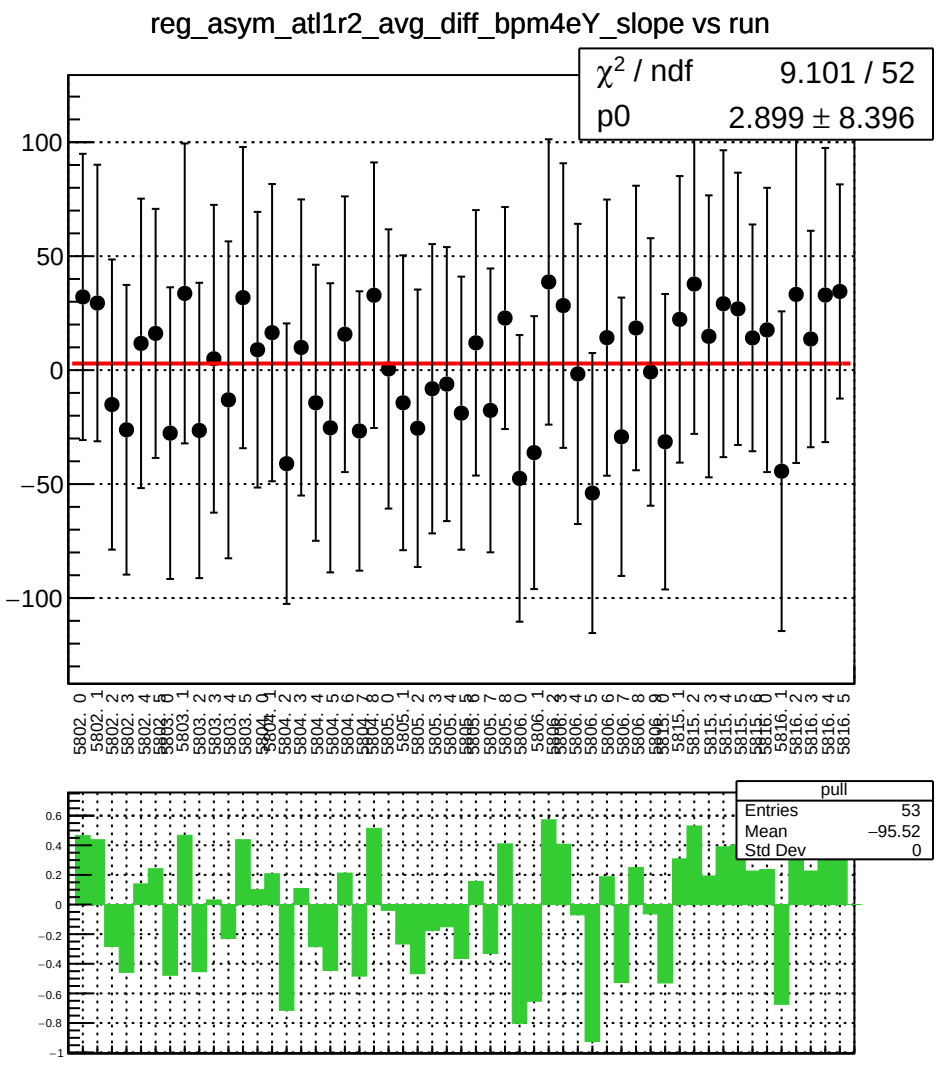

pull1D
Entries 53
Mean −0.01135
Std Dev 0.7553

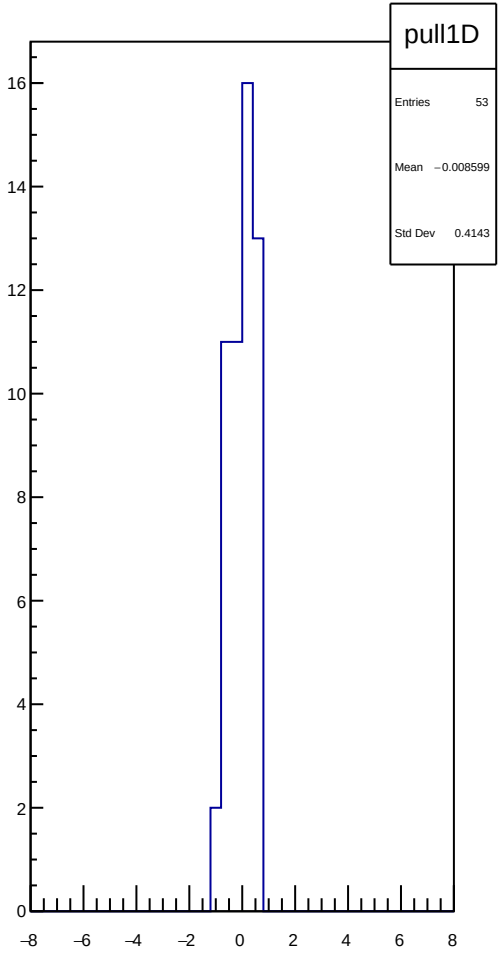

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 11.15 / 52
p0 −270.2 ± 4.645
pull
Entries 53
Mean 226.3
Std Dev 0
pull1D
Entries 53
Mean −0.007351
Std Dev 0.4586

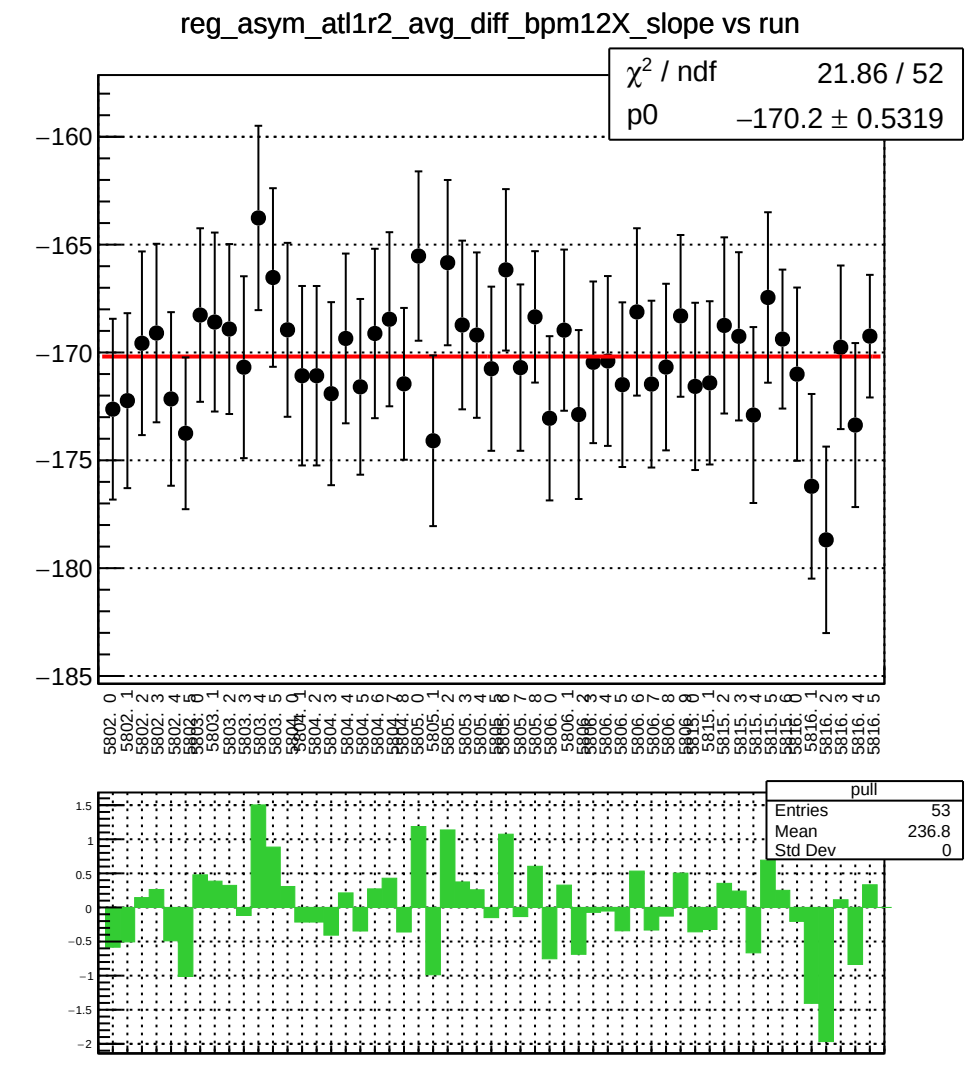

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.807 / 52
p0 53.23 ± 7.683
150
100
50
0
−50
pull
Entries 53
Mean −160.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

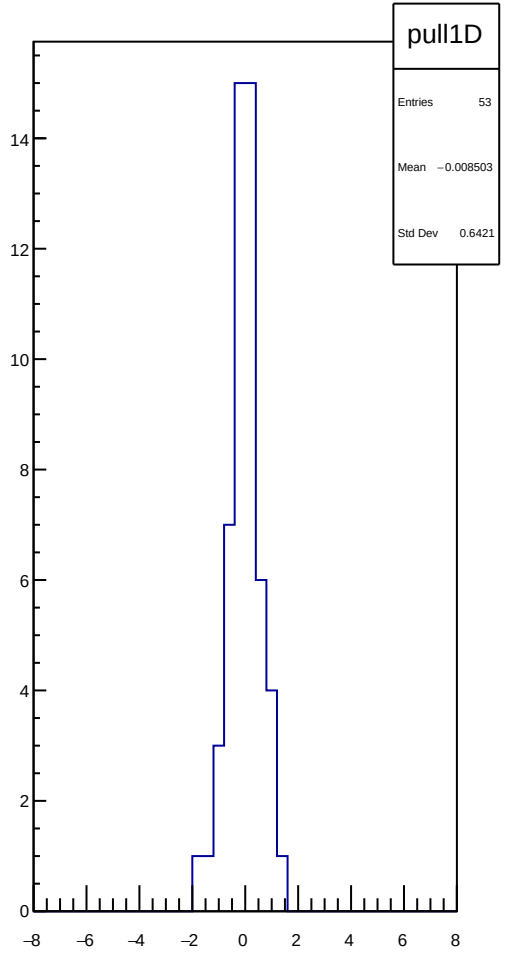

pull1D
Entries 53
Mean 0.008042
Std Dev 0.4301
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

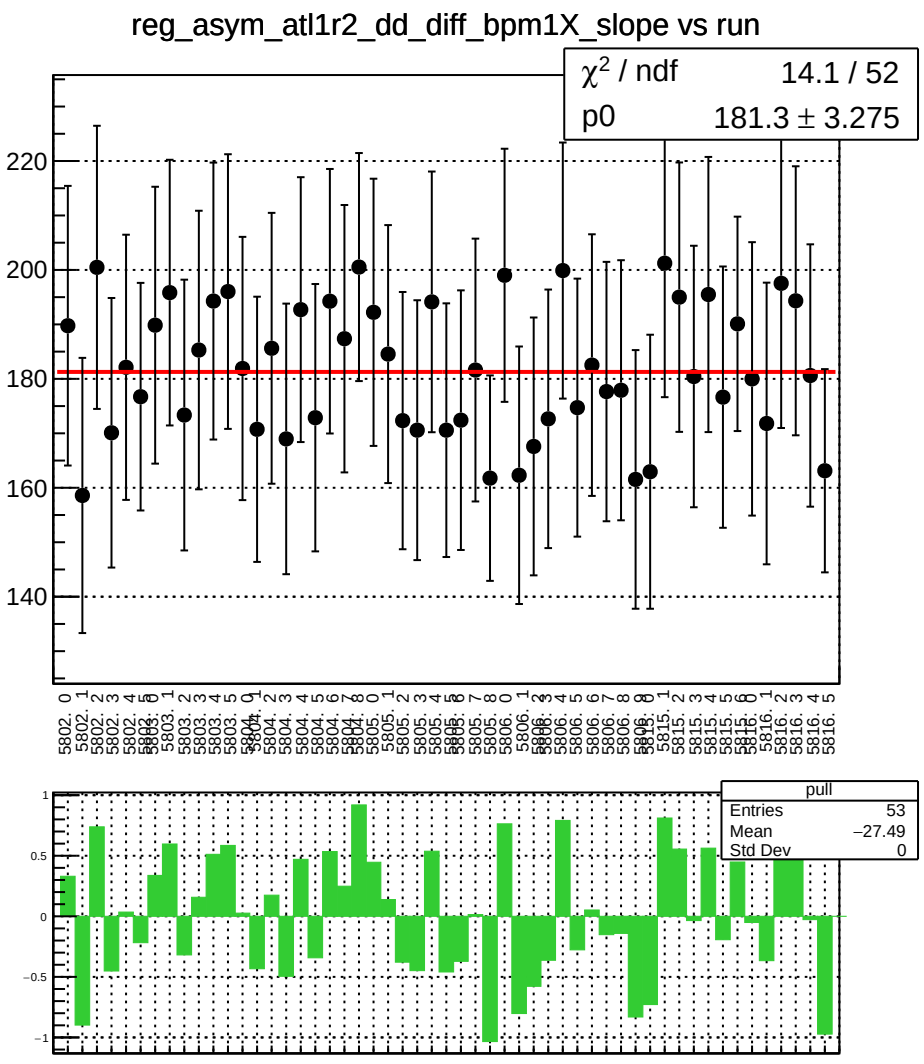

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.154 / 52
p0 511.7 ± 6.801
pull
Entries 53
Mean −33.95
Std Dev 0
pull1D
Entries 53
Mean 0.009882
Std Dev 0.4155

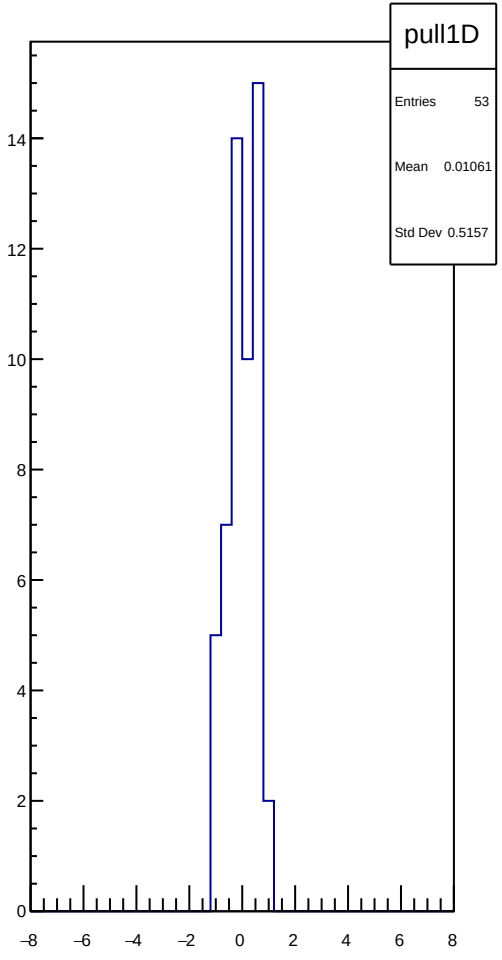

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.101 / 52
p0 2.899 ± 8.396
pull
Entries 53
Mean −95.52
Std Dev 0

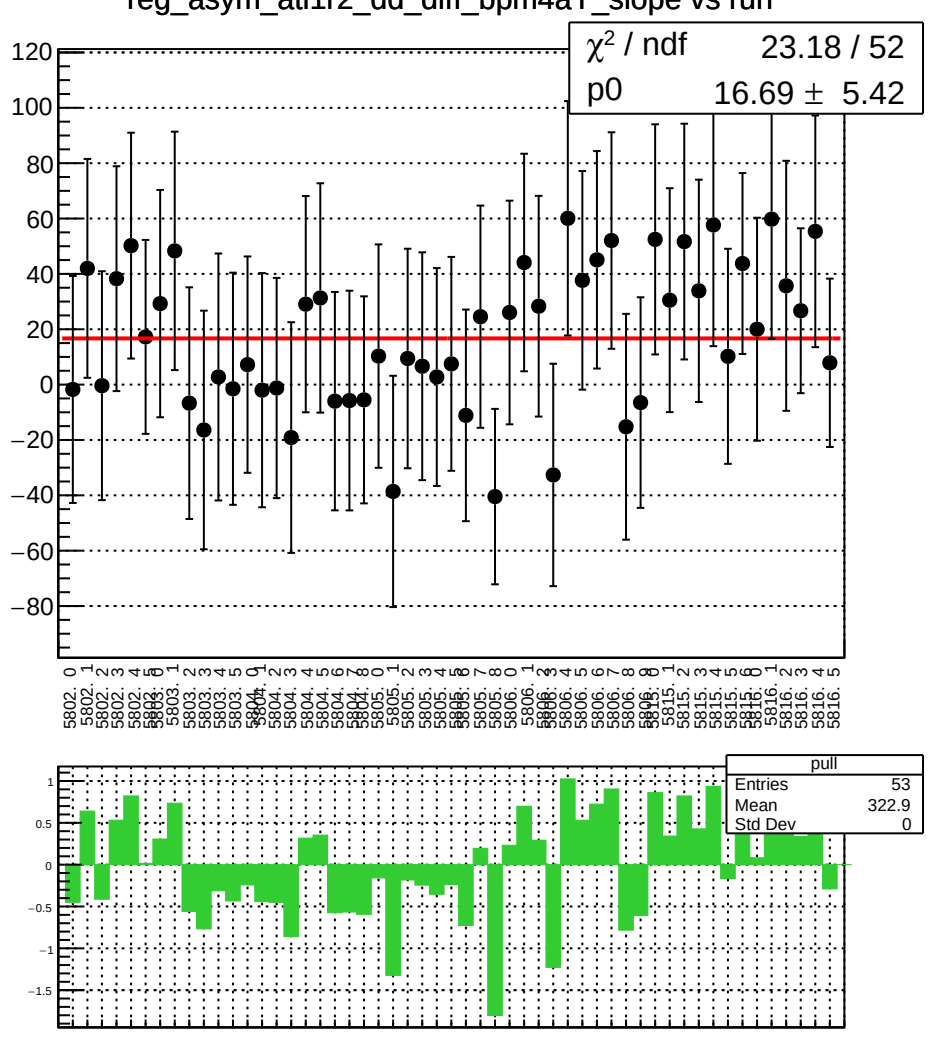

pull1D
Entries 53
Mean −0.008599
Std Dev 0.4143

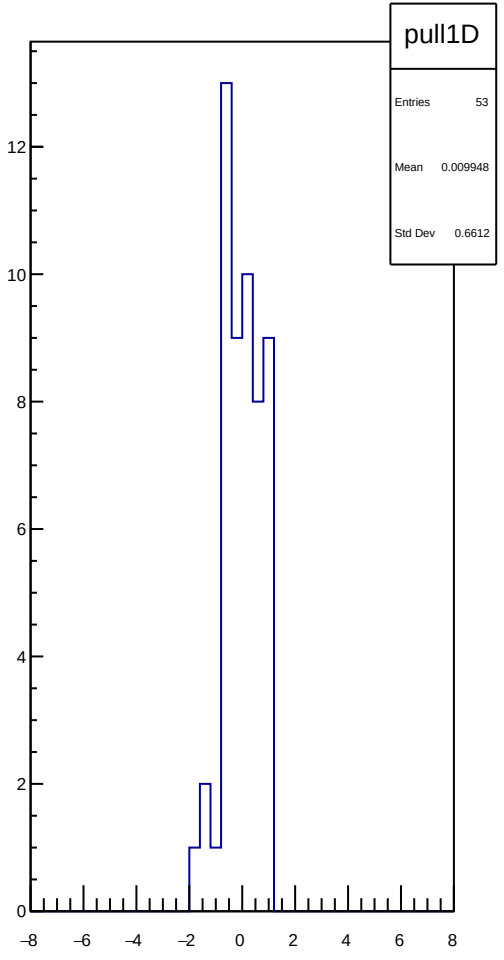

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 21.86 / 52
p0 −170.2 ± 0.5319
pull
Entries 53
Mean 236.8
Std Dev 0

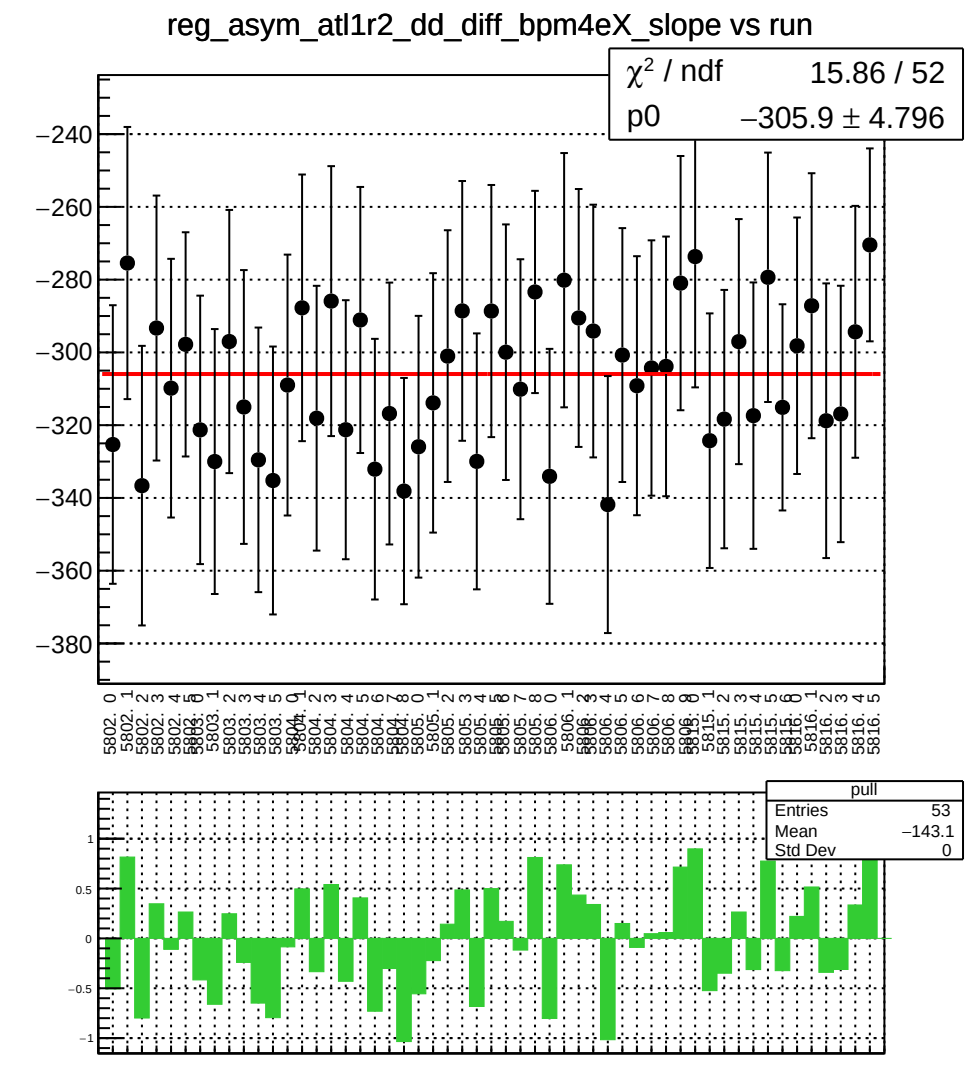

pull1D
Entries 53
Mean −0.008503
Std Dev 0.6421

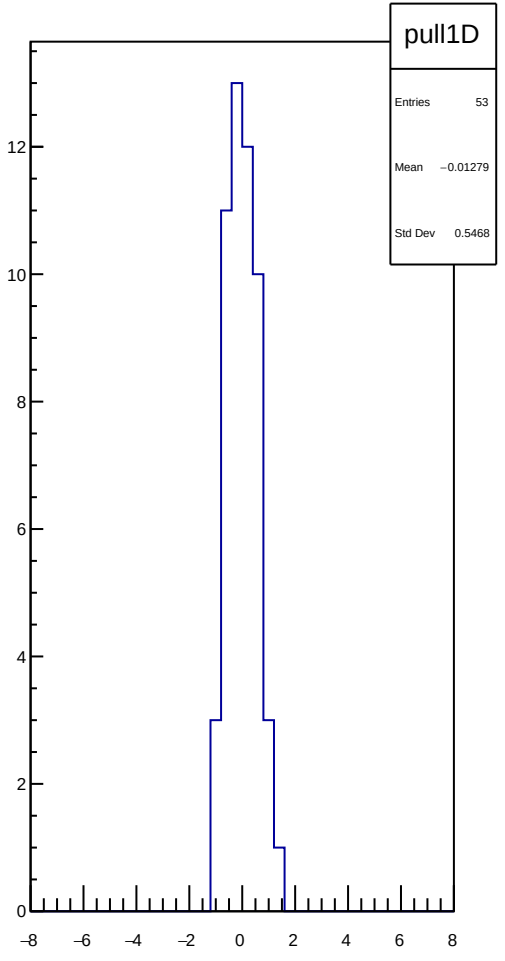

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.1 / 52
p0 181.3 ± 3.275
220
200
180
160
140
pull
Entries 53
Mean −27.49
Std Dev 0
1
0.5
0
−0.5
−1

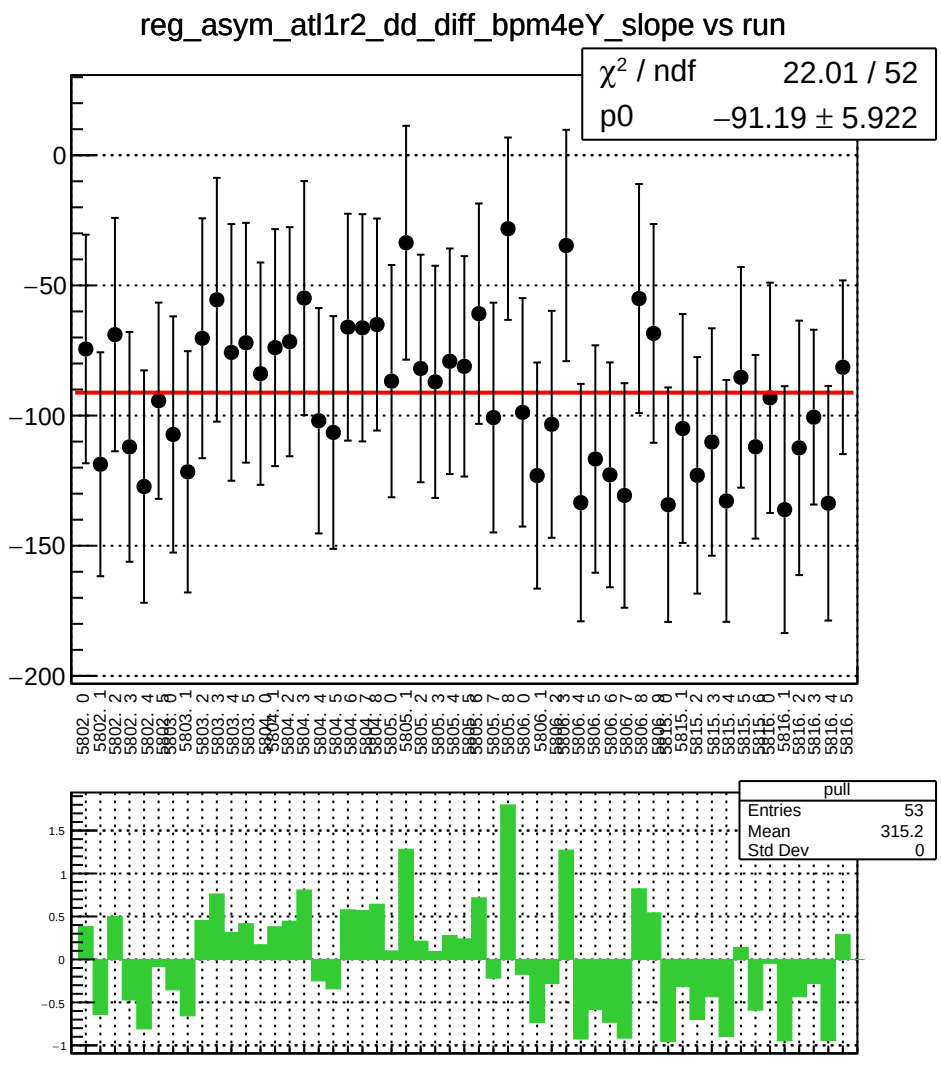

pull1D
Entries 53
Mean 0.01061
Std Dev 0.5157
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

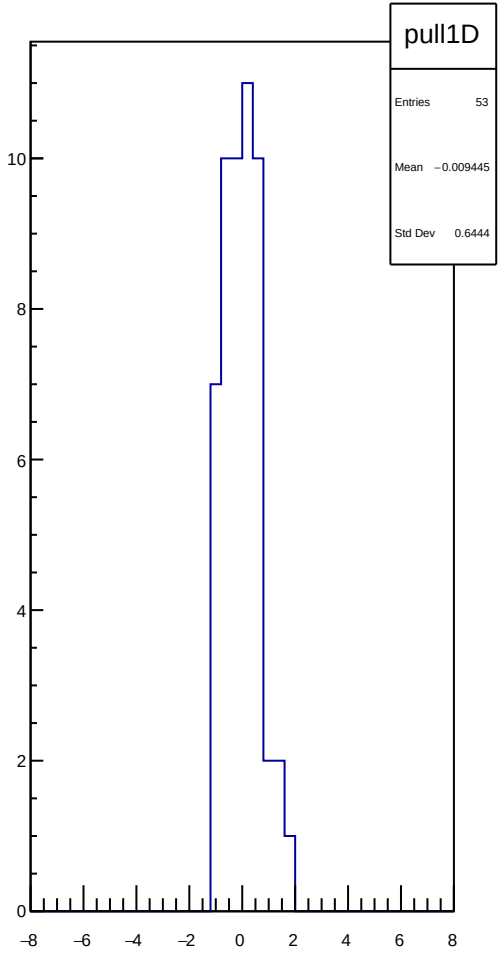

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.18 / 52
p0 16.69 ± 5.42
pull
Entries 53
Mean 322.9
Std Dev 0

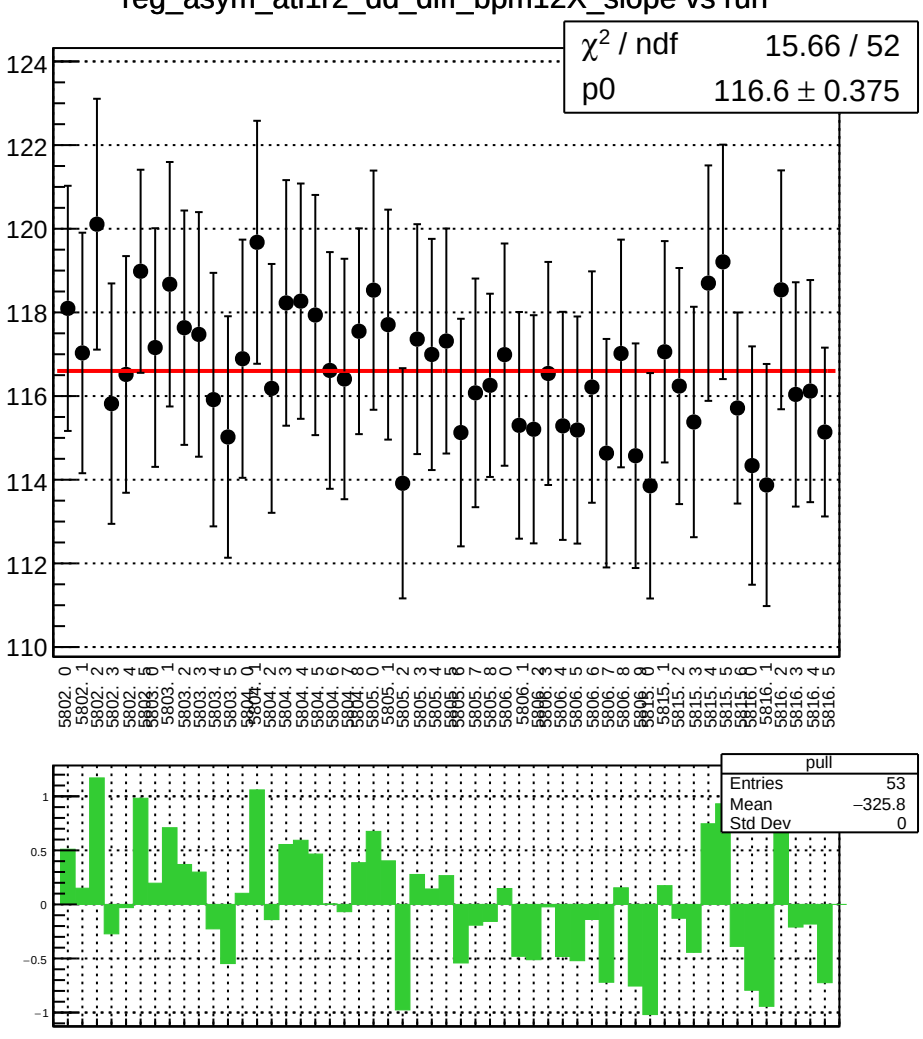

pull1D
Entries 53
Mean 0.009948
Std Dev 0.6612

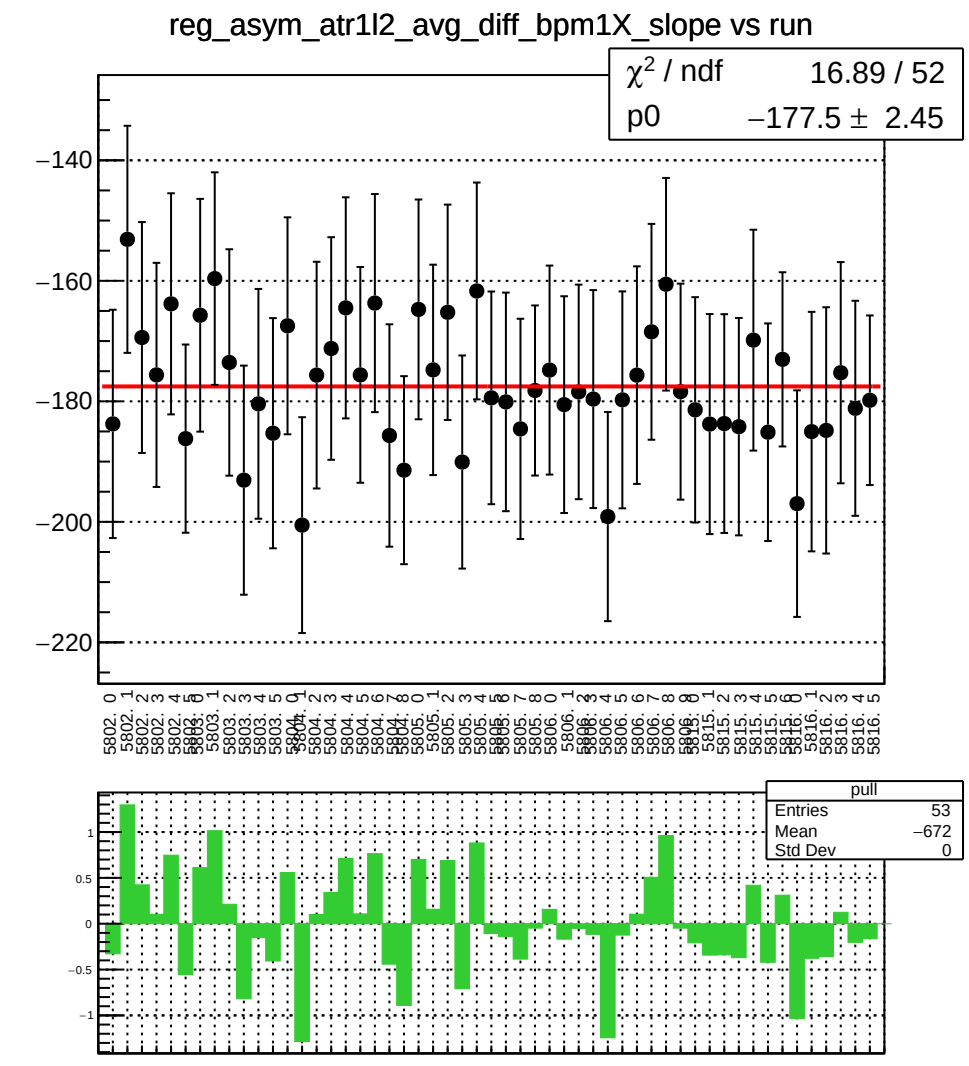

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.86 / 52
p0 −305.9 ± 4.796
pull
Entries 53
Mean −143.1
Std Dev 0

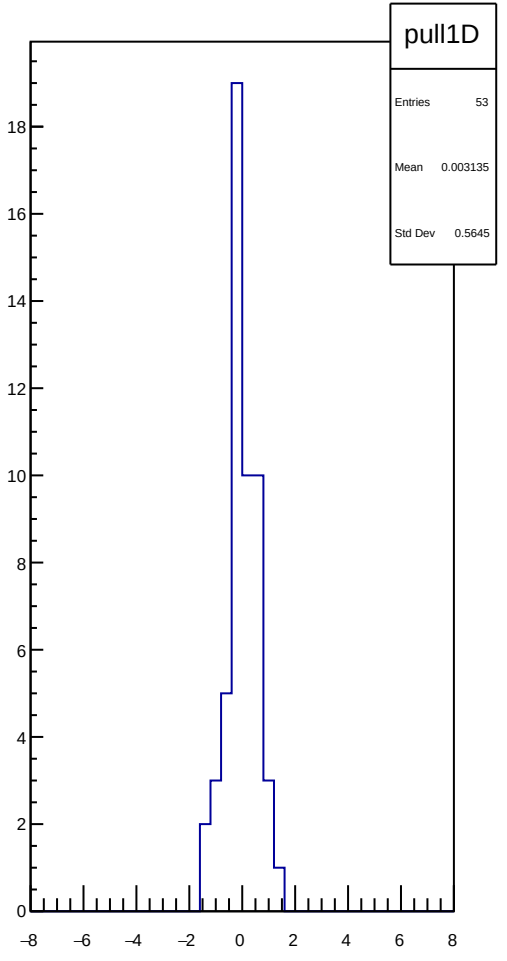

pull1D
Entries 53
Mean −0.01279
Std Dev 0.5468

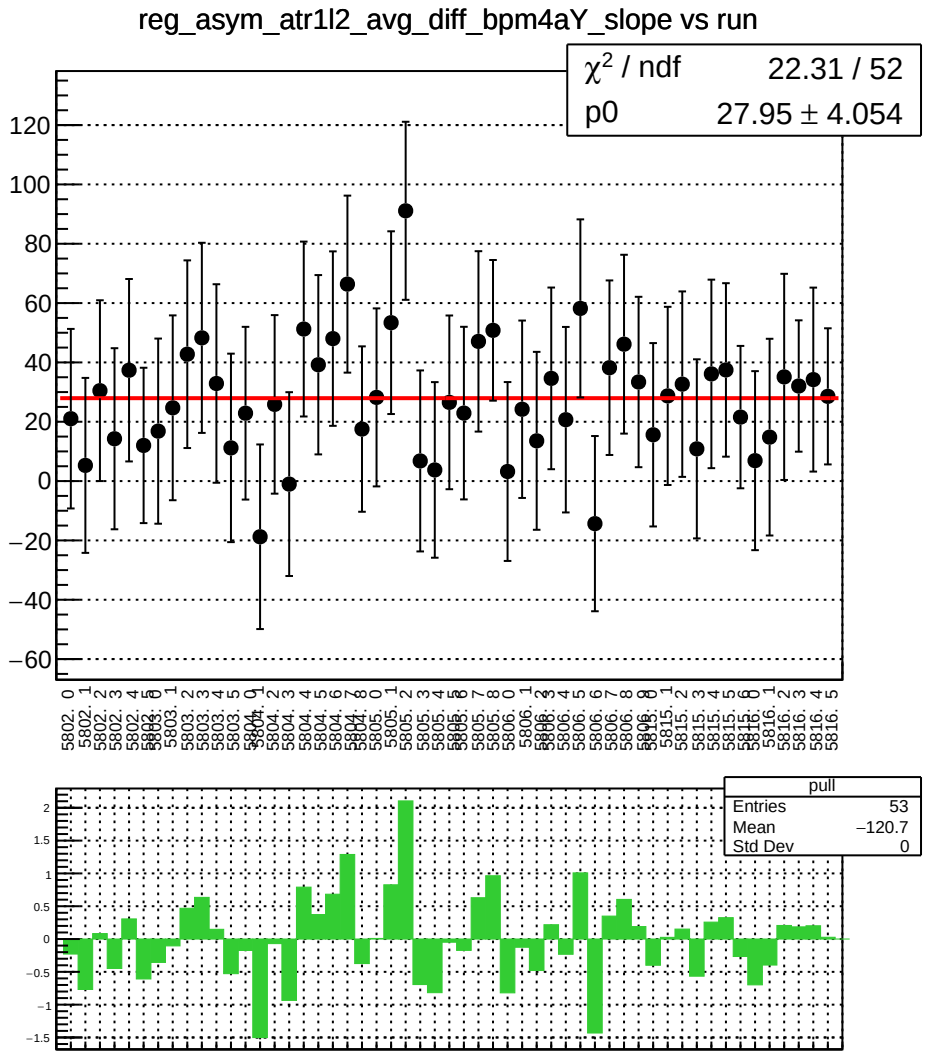

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.01 / 52
p0 −91.19 ± 5.922
pull
Entries 53
Mean 315.2
Std Dev 0

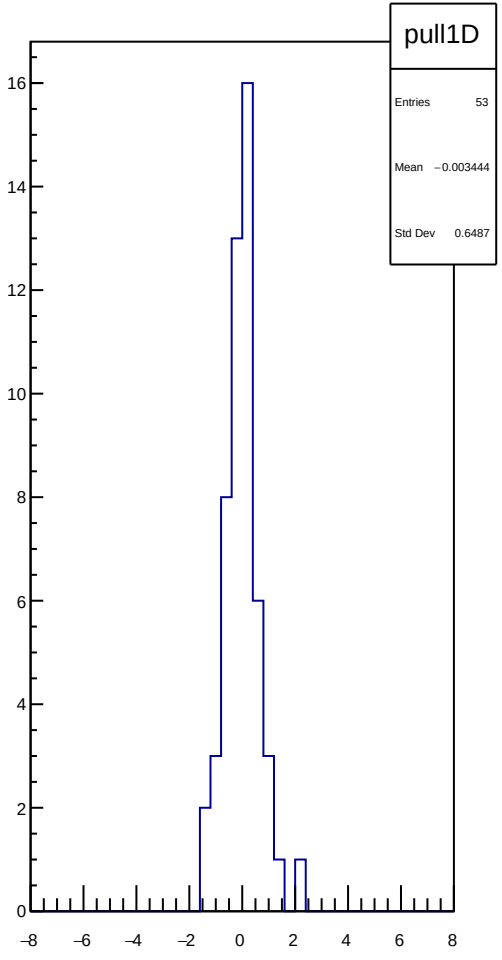

pull1D
Entries 53
Mean −0.009445
Std Dev 0.6444

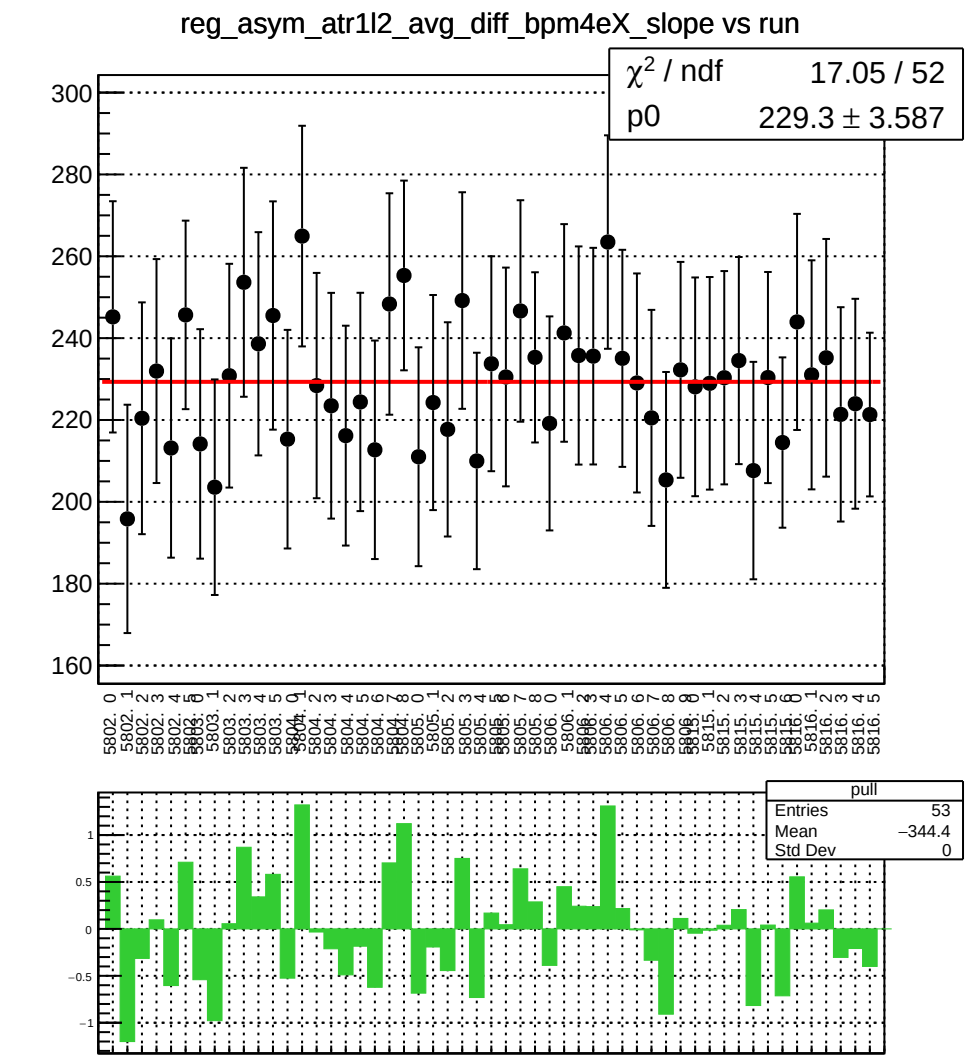

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.66 / 52
p0 116.6 ± 0.375
pull
Entries 53
Mean −325.8
Std Dev 0
pull1D
Entries 53
Mean 0.01022
Std Dev 0.5435

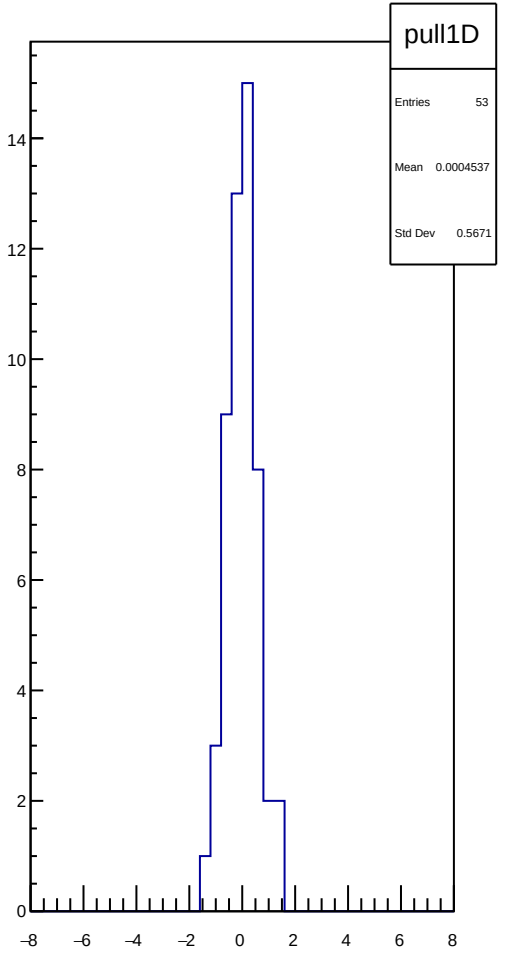

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 16.89 / 52
p0 −177.5 ± 2.45
−140
−160
−180
−200
−220
pull
Entries 53
Mean −672
Std Dev 0
1
0.5
0
−0.5
−1

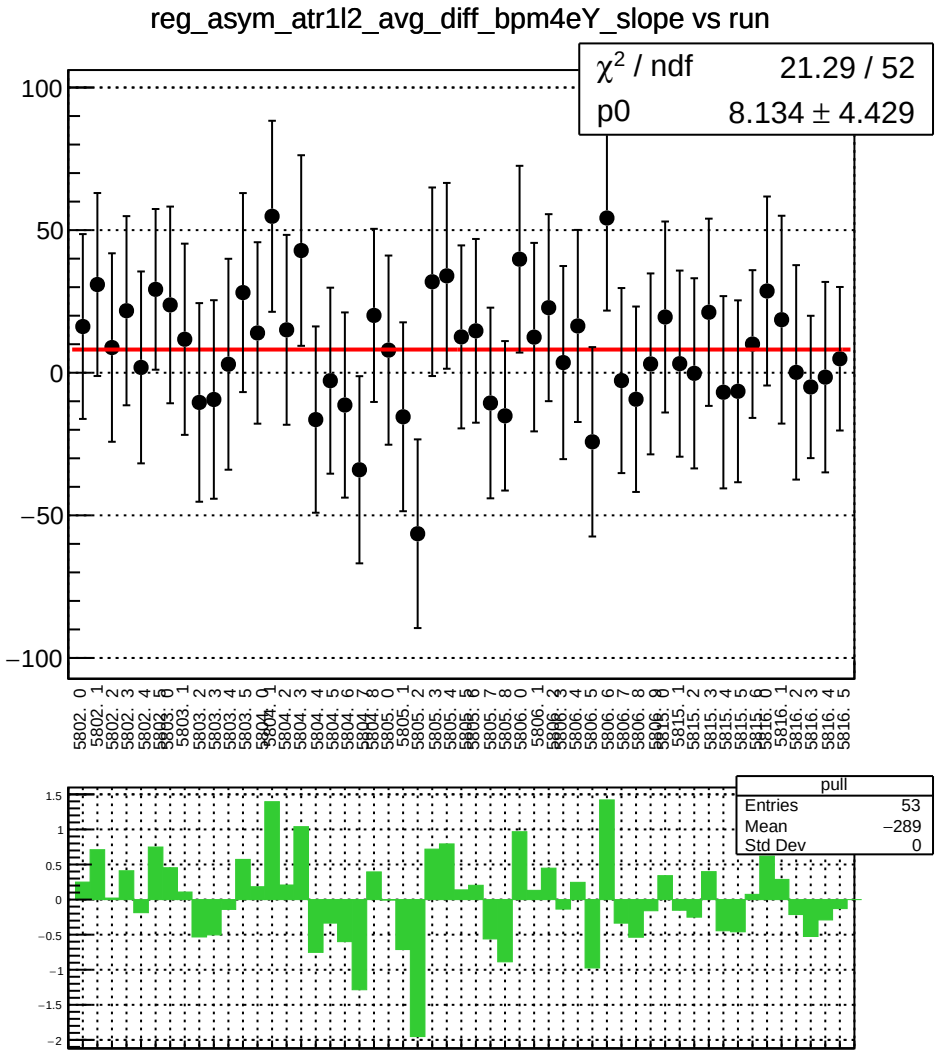

pull1D
Entries 53
Mean 0.003135
Std Dev 0.5645
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

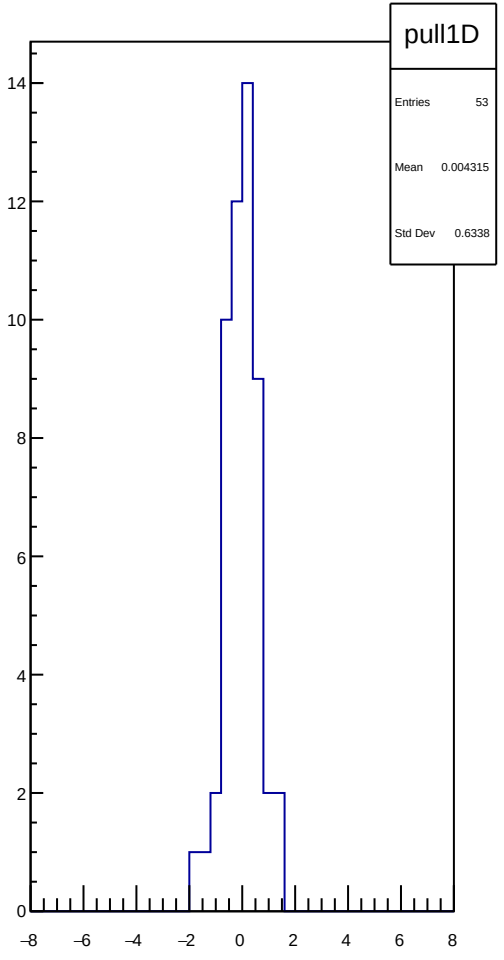

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.31 / 52
p0 27.95 ± 4.054
pull
Entries 53
Mean −120.7
Std Dev 0

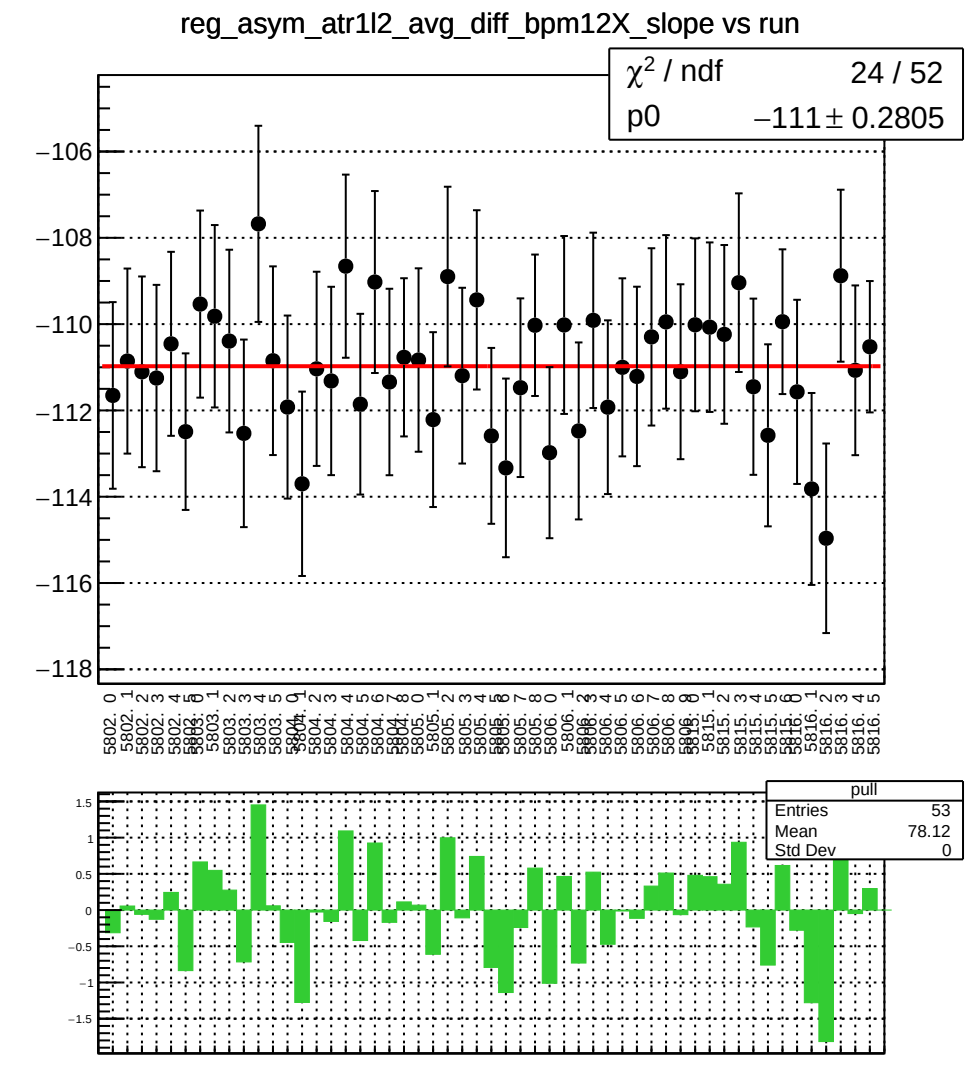

pull1D
Entries 53
Mean −0.003444
Std Dev 0.6487

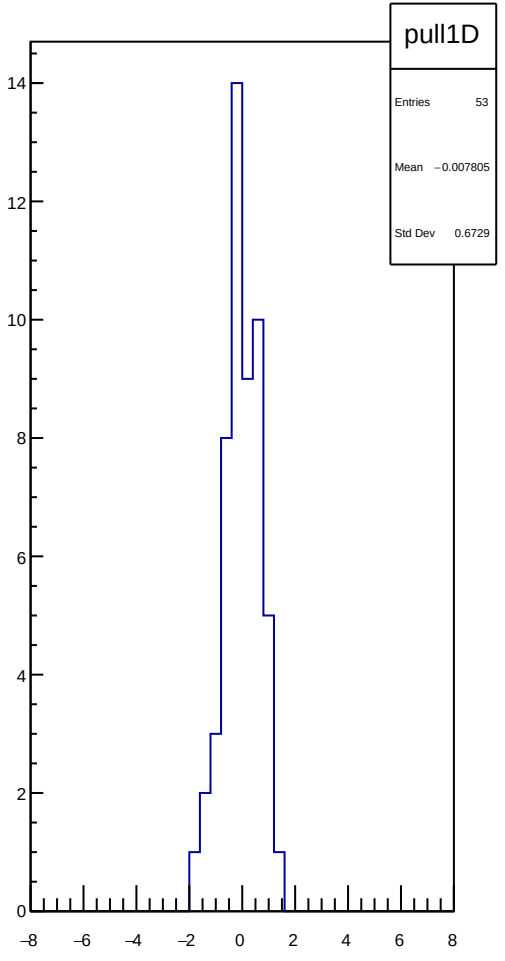

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.05 / 52
p0 229.3 ± 3.587
pull
Entries 53
Mean −344.4
Std Dev 0

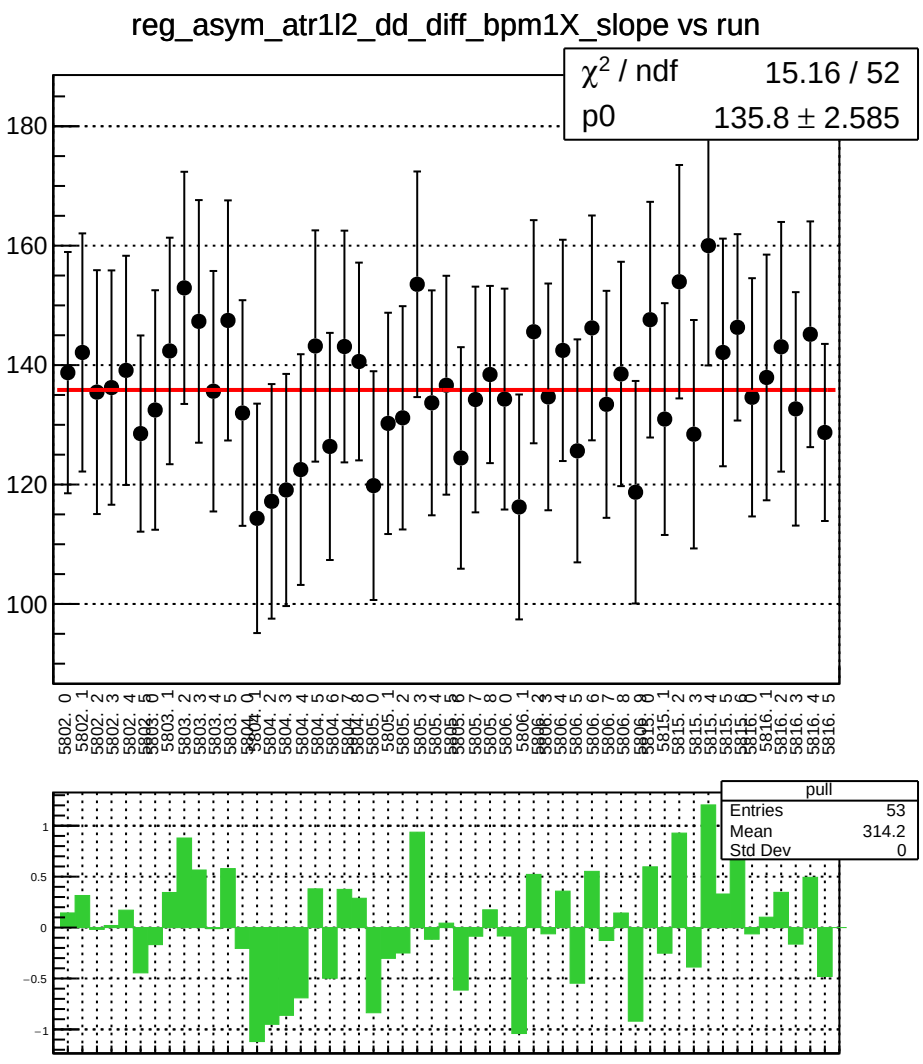

pull1D
Entries 53
Mean 0.0004537
Std Dev 0.5671

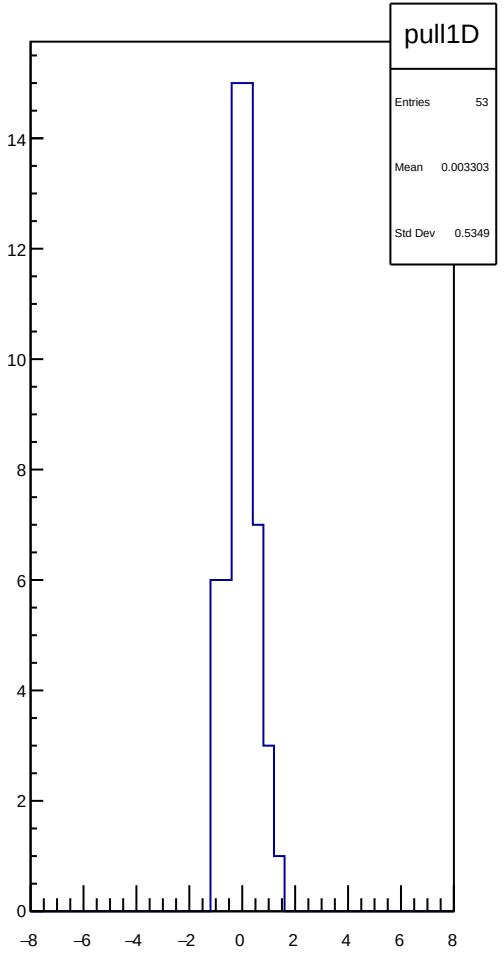

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.29 / 52
p0 8.134 ± 4.429
pull
Entries 53
Mean −289
Std Dev 0

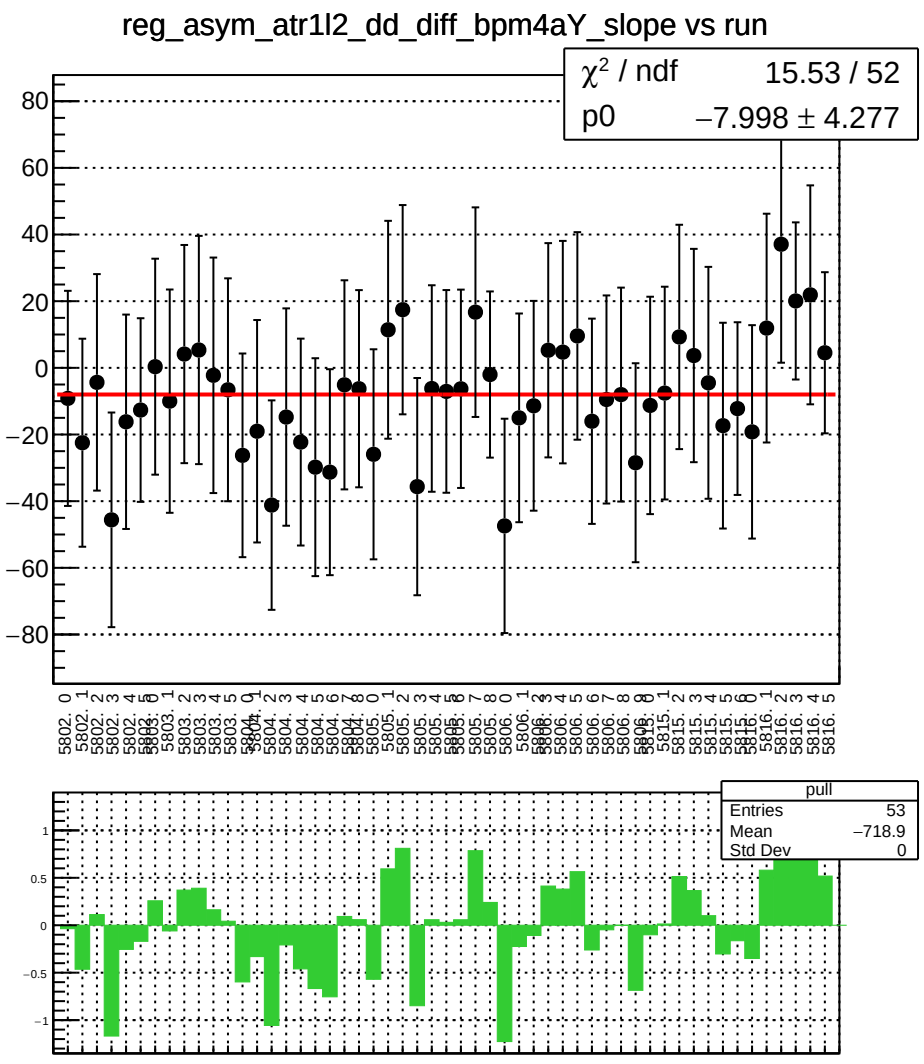

pull1D
Entries 53
Mean 0.004315
Std Dev 0.6338

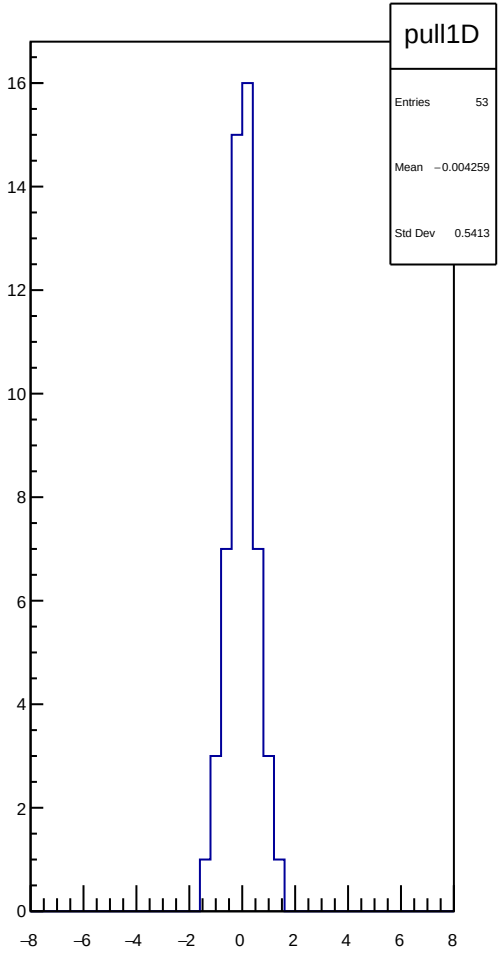

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 24 / 52
p0 −111 ± 0.2805
pull
Entries 53
Mean 78.12
Std Dev 0

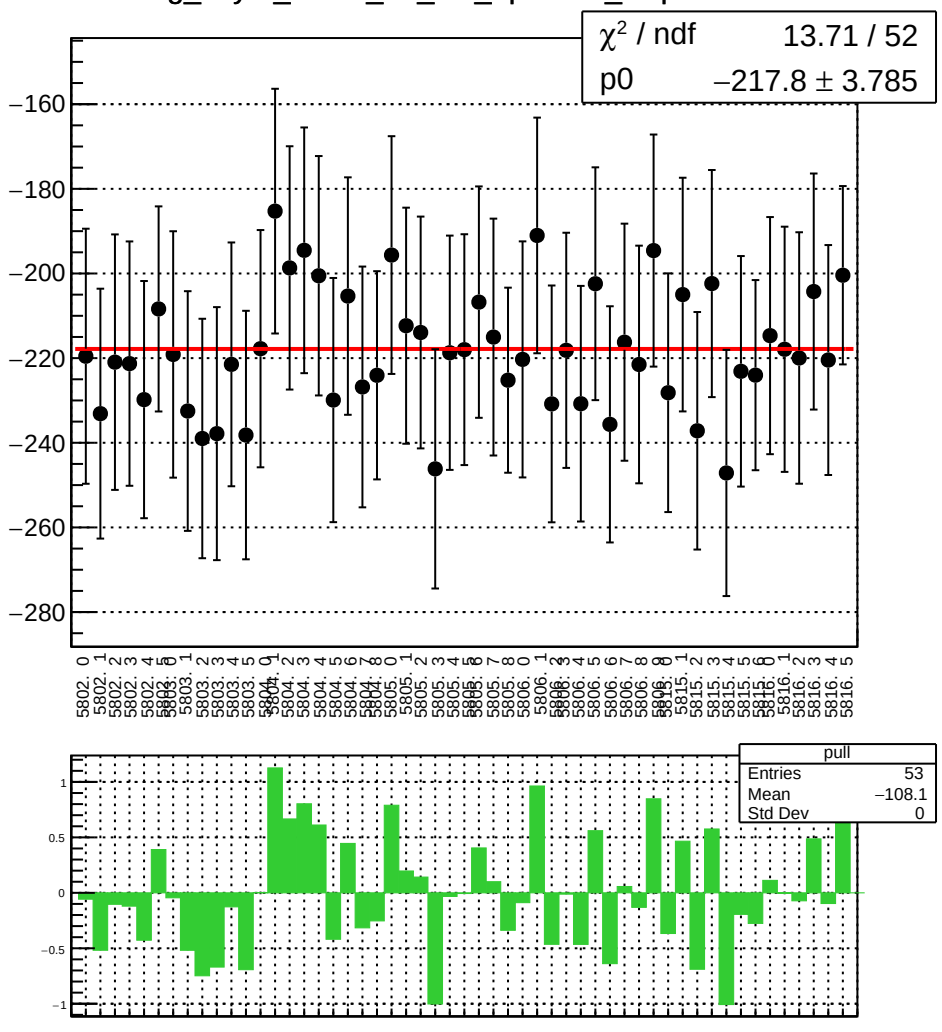

pull1D
Entries 53
Mean −0.007805
Std Dev 0.6729

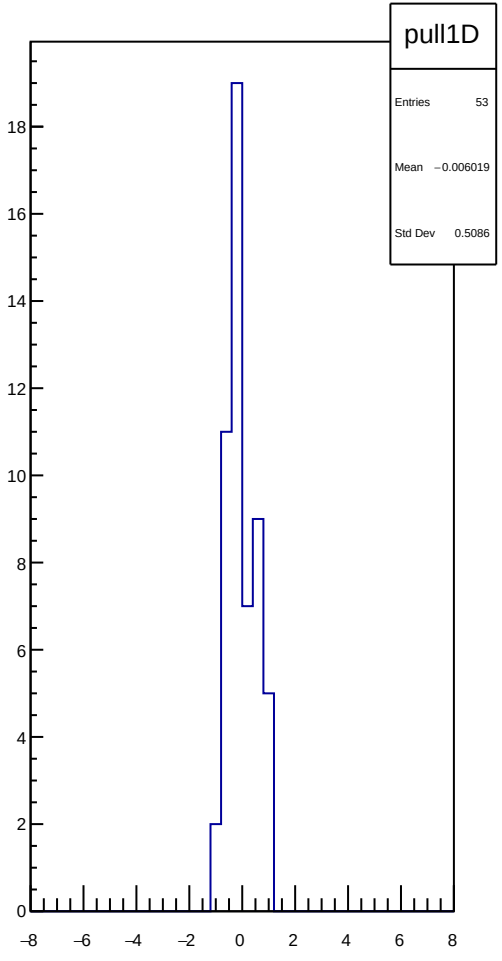

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 15.16 / 52
p0 135.8 ± 2.585
pull
Entries 53
Mean 314.2
Std Dev 0

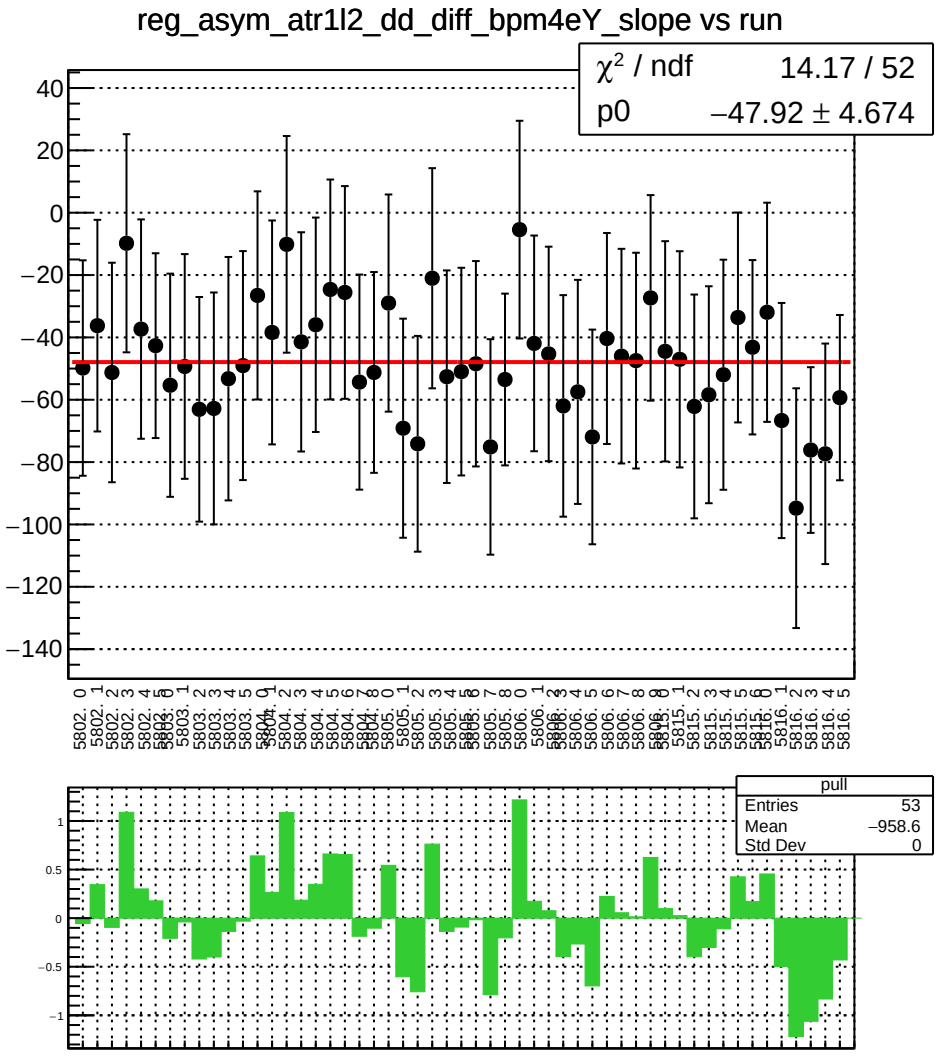

pull1D
Entries 53
Mean 0.003303
Std Dev 0.5349

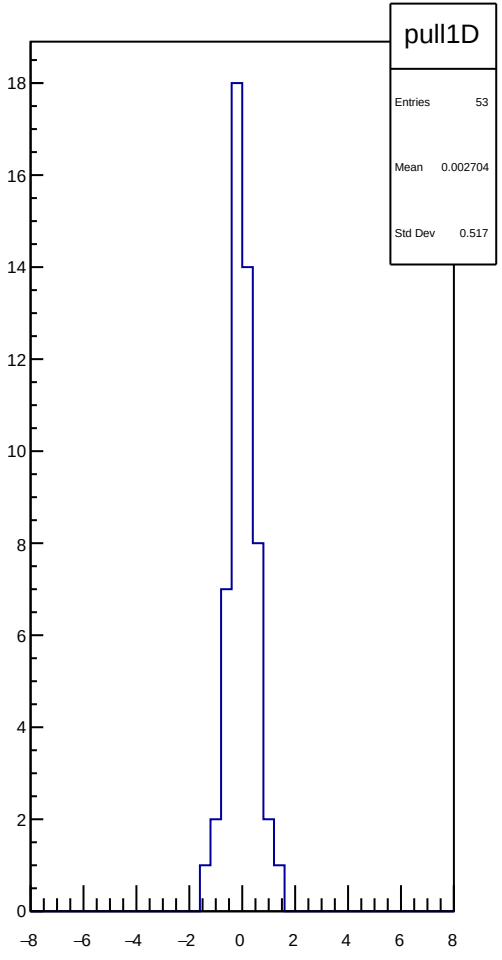

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.53 / 52
p0 −7.998 ± 4.277
pull
Entries 53
Mean −718.9
Std Dev 0

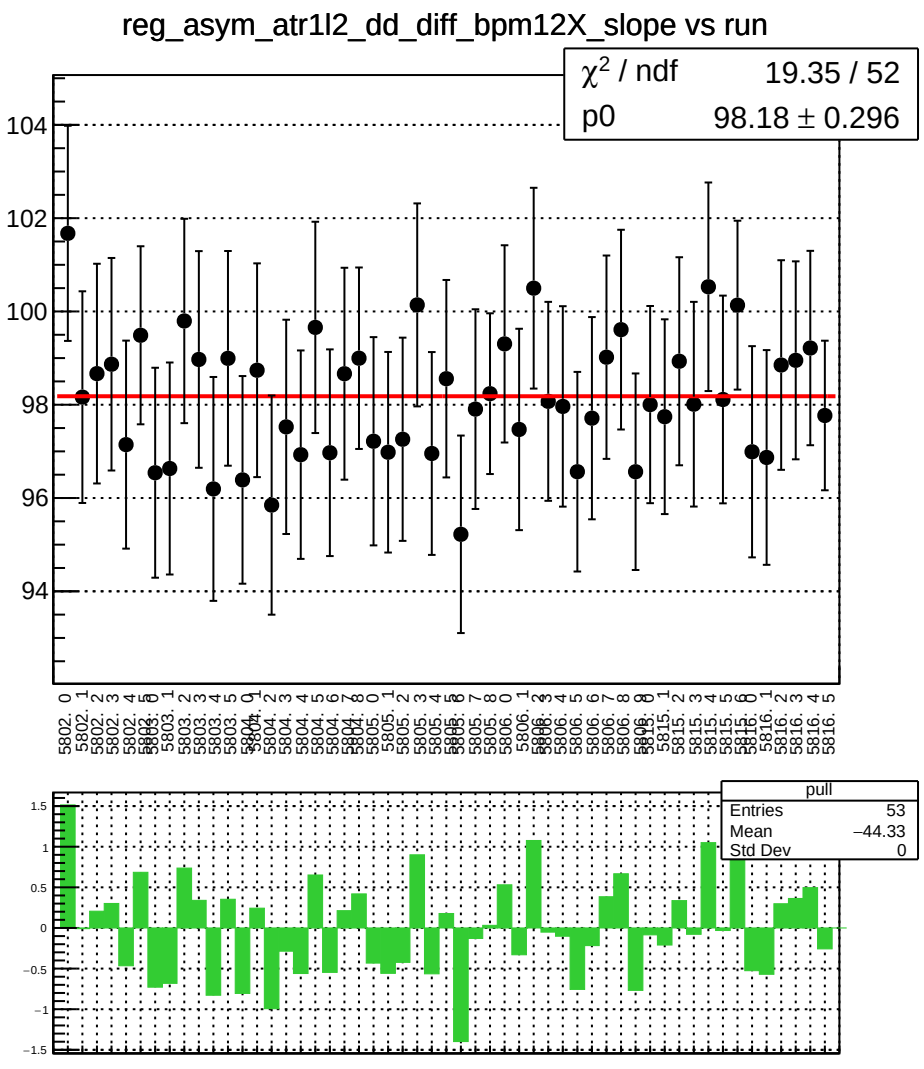

pull1D
Entries 53
Mean −0.004259
Std Dev 0.5413

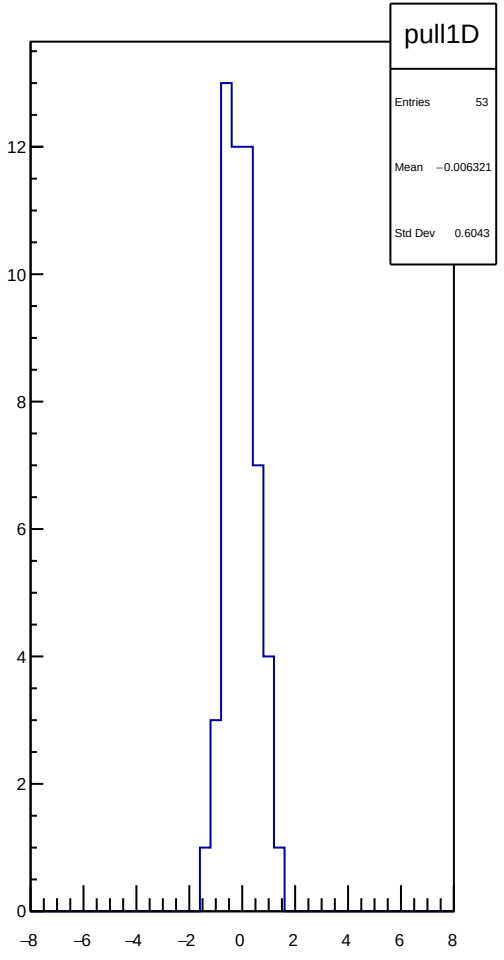

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.71 / 52
p0 −217.8 ± 3.785
pull
Entries 53
Mean −108.1
Std Dev 0

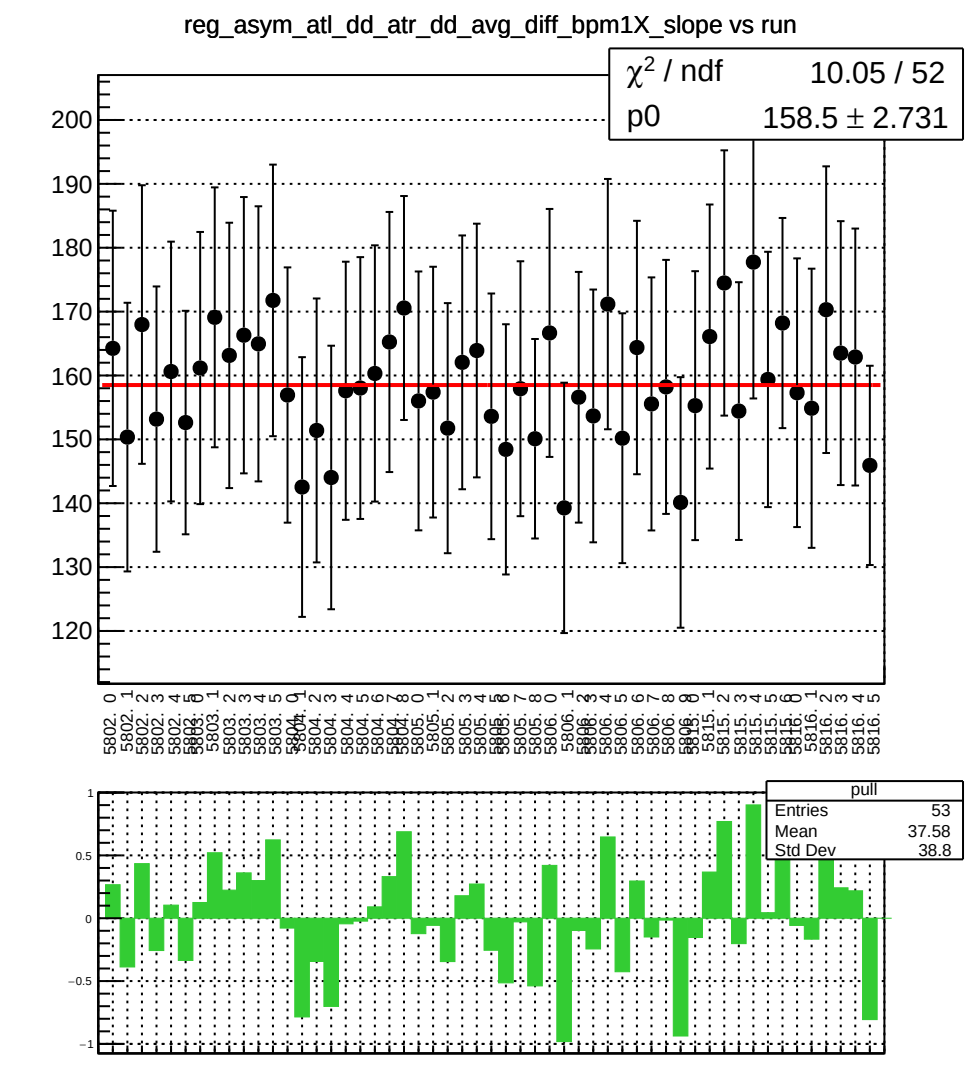

pull1D
Entries 53
Mean −0.006019
Std Dev 0.5086

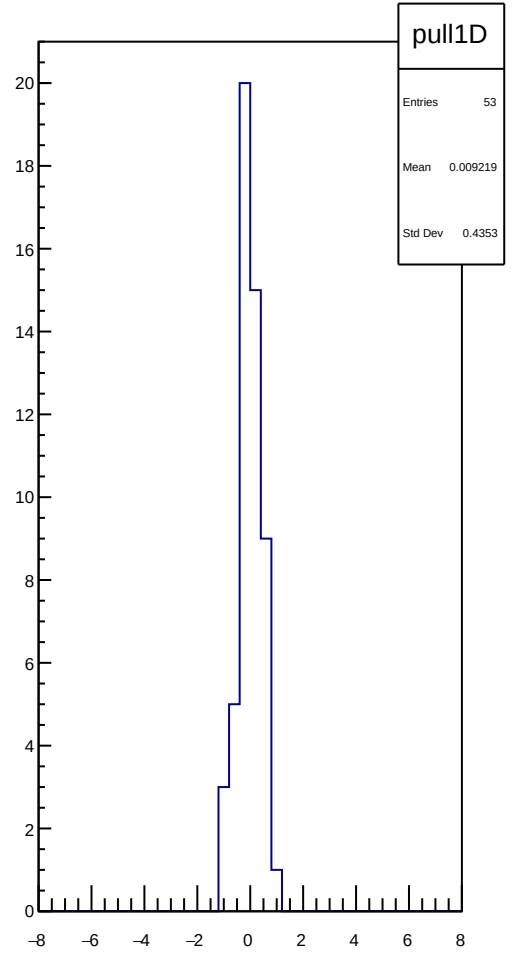

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.17 / 52
p0 −47.92 ± 4.674
pull
Entries 53
Mean −958.6
Std Dev 0

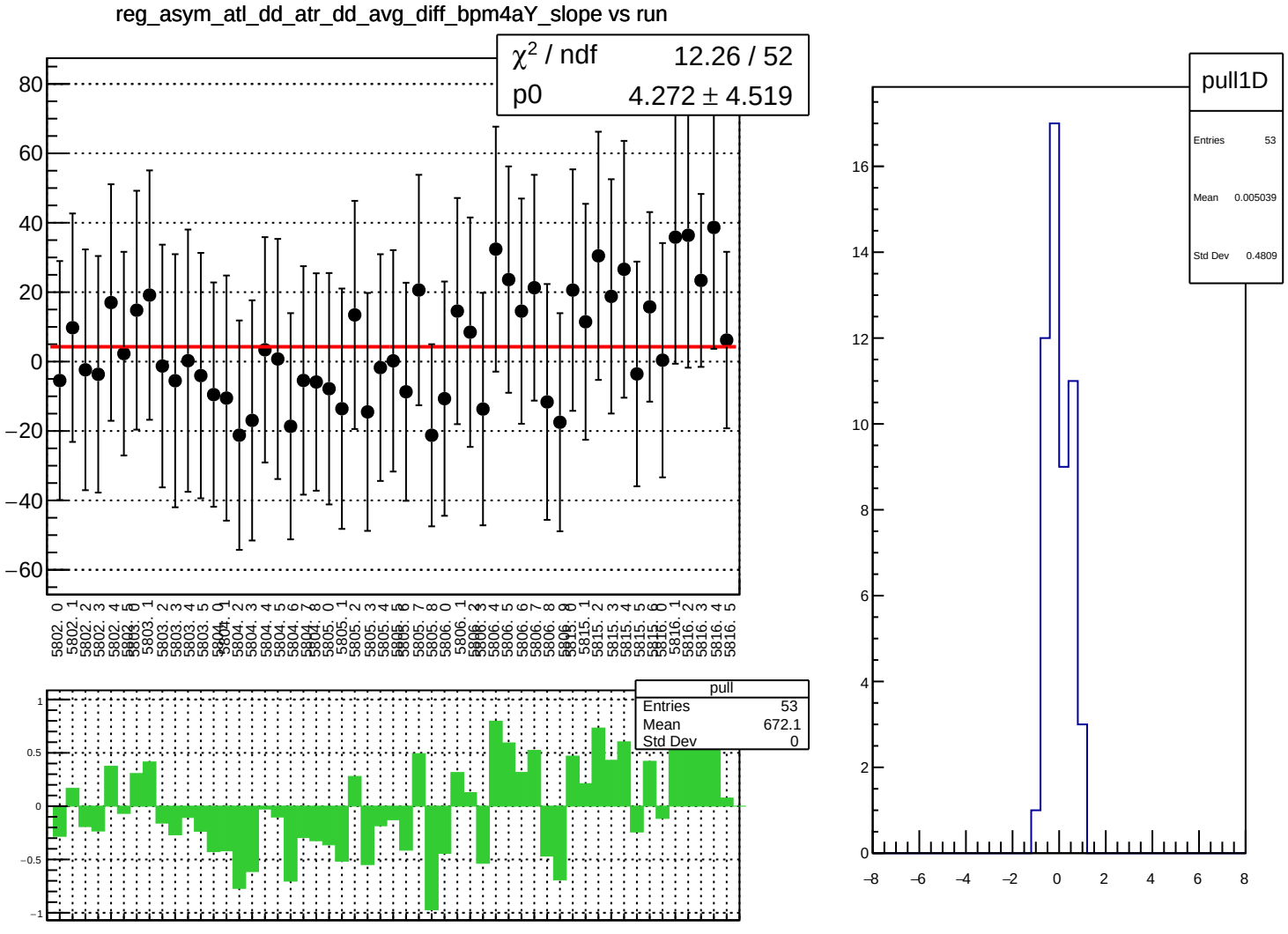

pull1D
Entries 53
Mean 0.002704
Std Dev 0.517

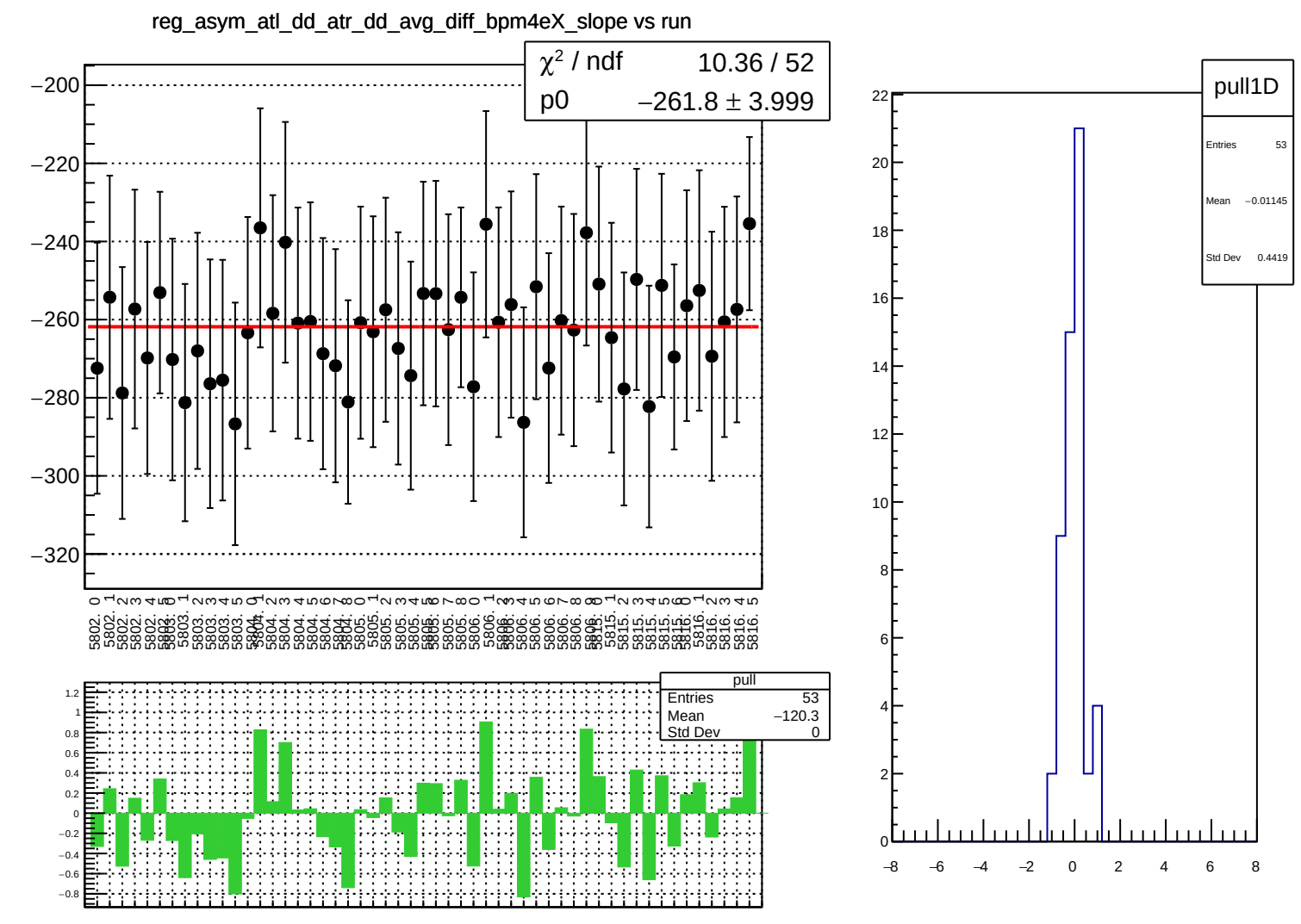

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.35 / 52
p0 98.18 ± 0.296
104
102
100
98
96
94
pull
Entries 53
Mean −44.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

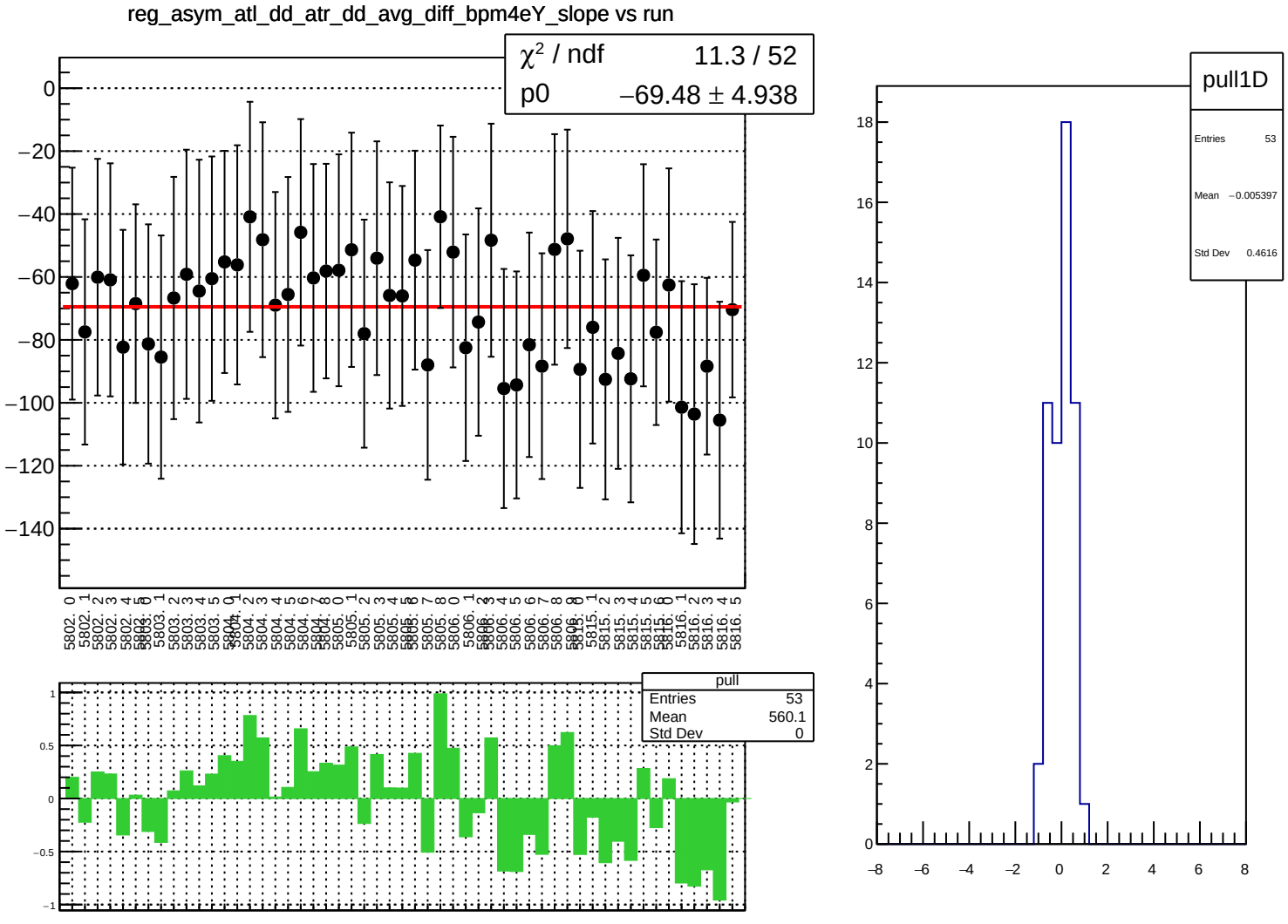

pull1D
Entries 53
Mean −0.006321
Std Dev 0.6043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

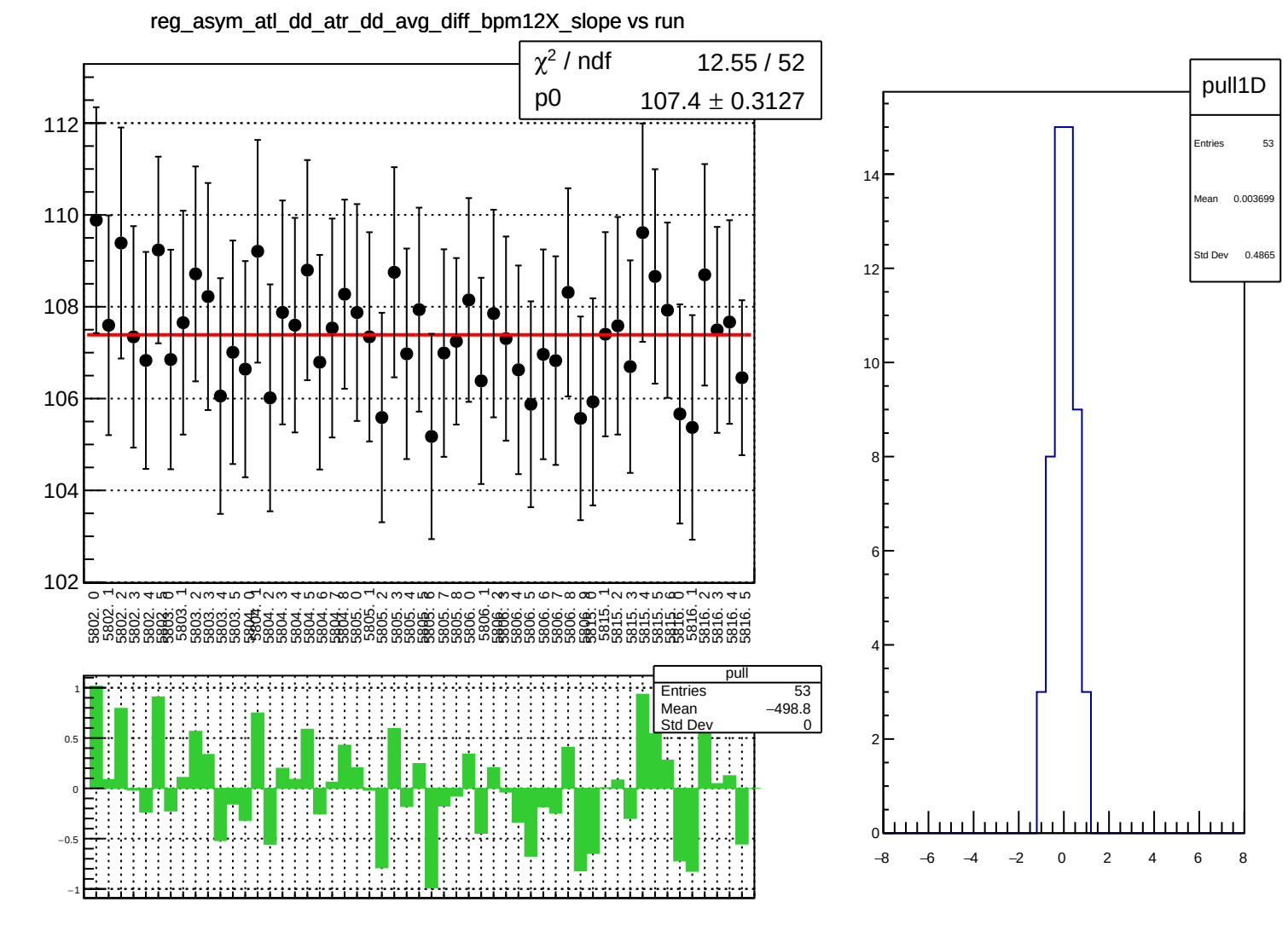

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 10.05 / 52
p0 158.5 ± 2.731
pull
Entries 53
Mean 37.58
Std Dev 38.8

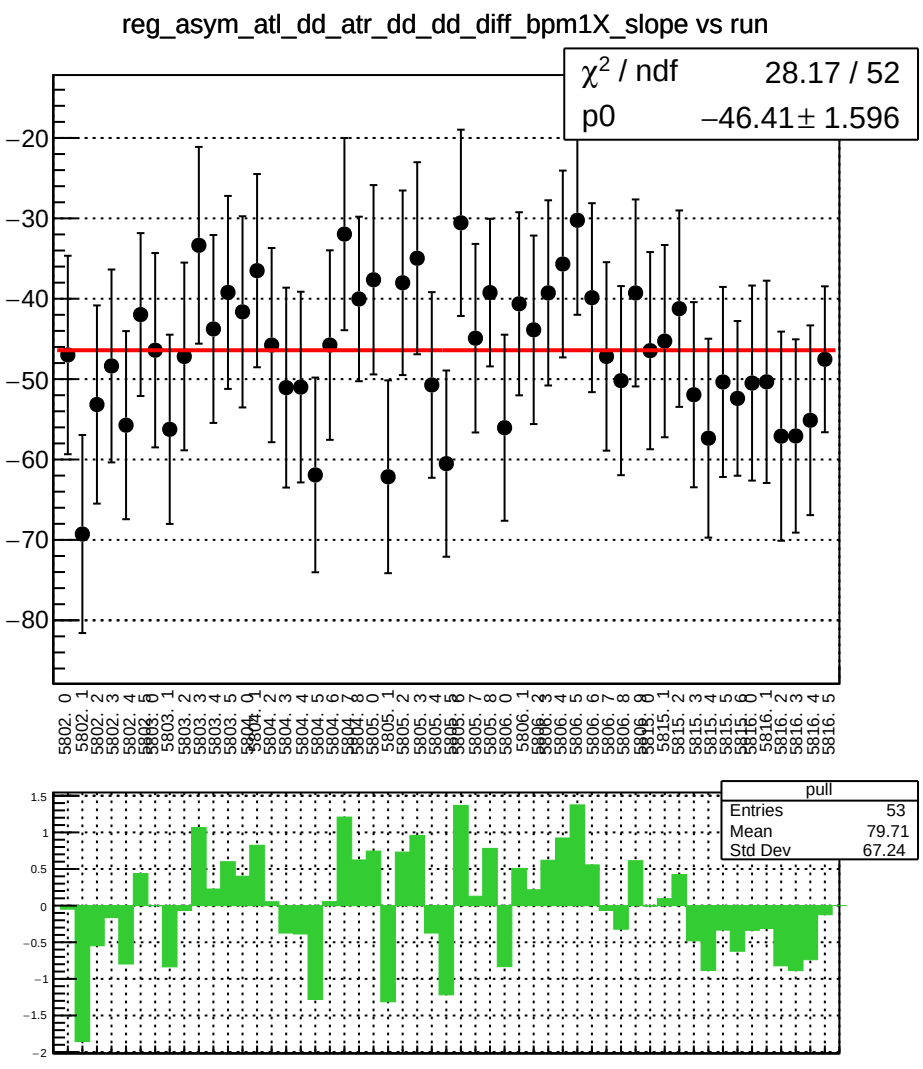

pull1D
Entries 53
Mean 0.009219
Std Dev 0.4353

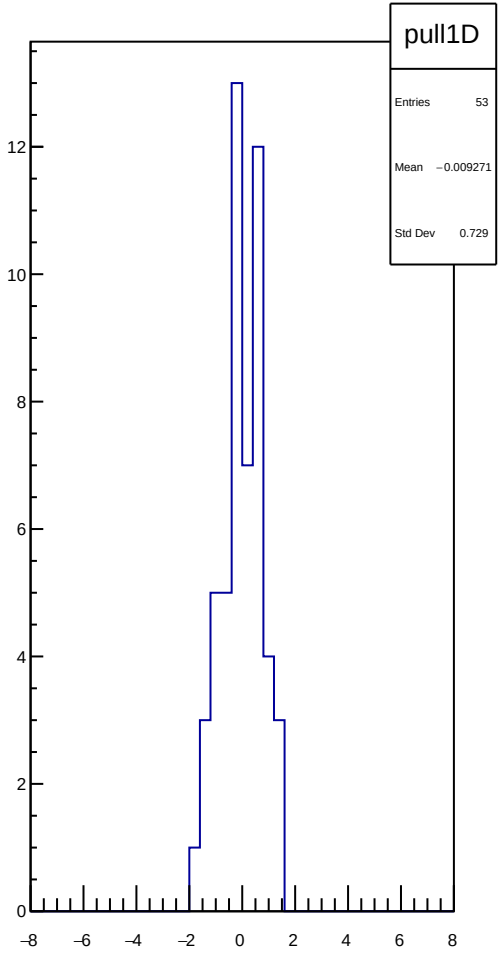

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.26 / 52
p0 4.272 ± 4.519
pull
Entries 53
Mean 672.1
Std Dev 0
pull1D
Entries 53
Mean 0.005039
Std Dev 0.4809

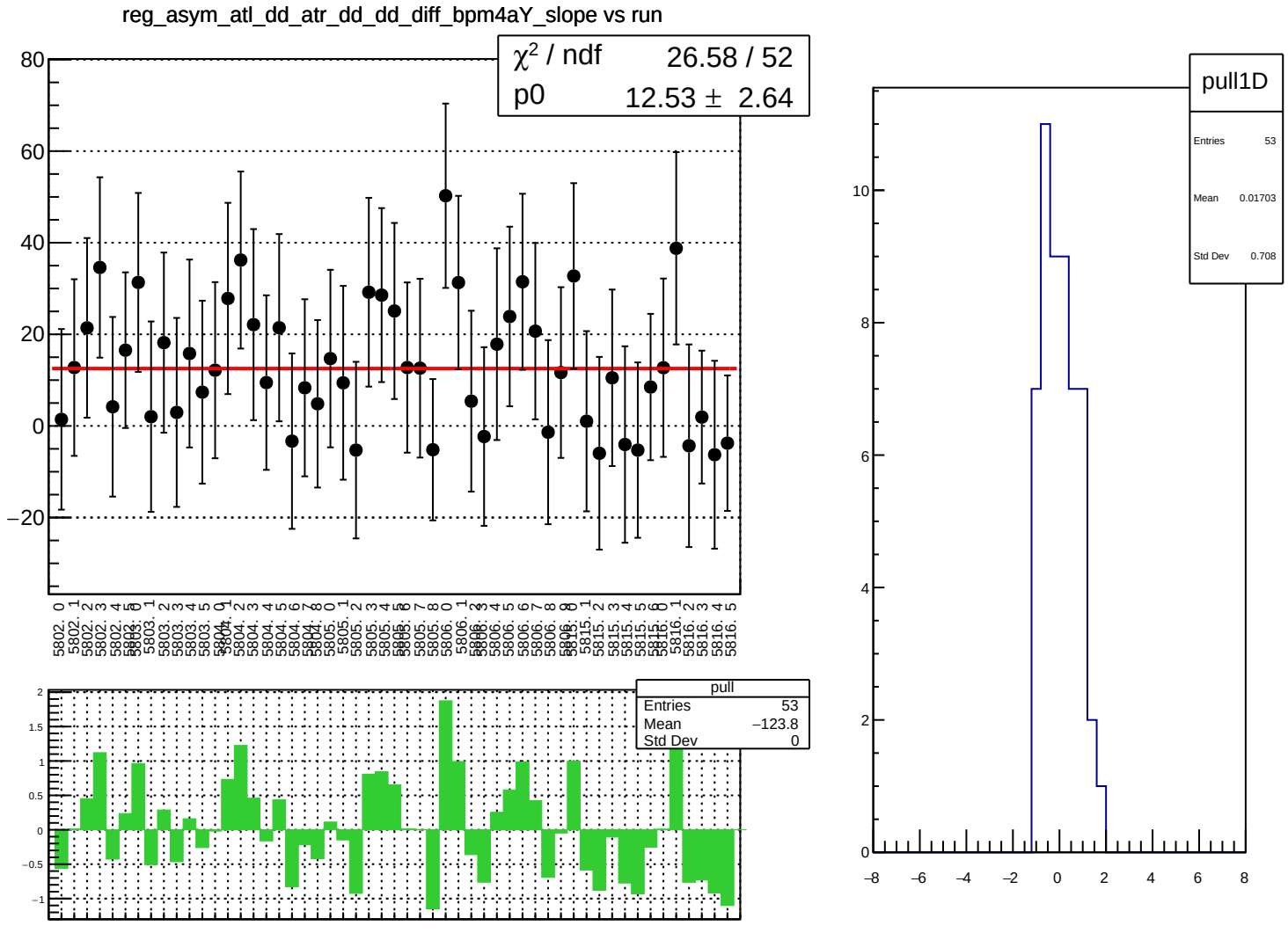

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.36 / 52
p0 −261.8 ± 3.999
pull
Entries 53
Mean −120.3
Std Dev 0
pull1D
Entries 53
Mean −0.01145
Std Dev 0.4419

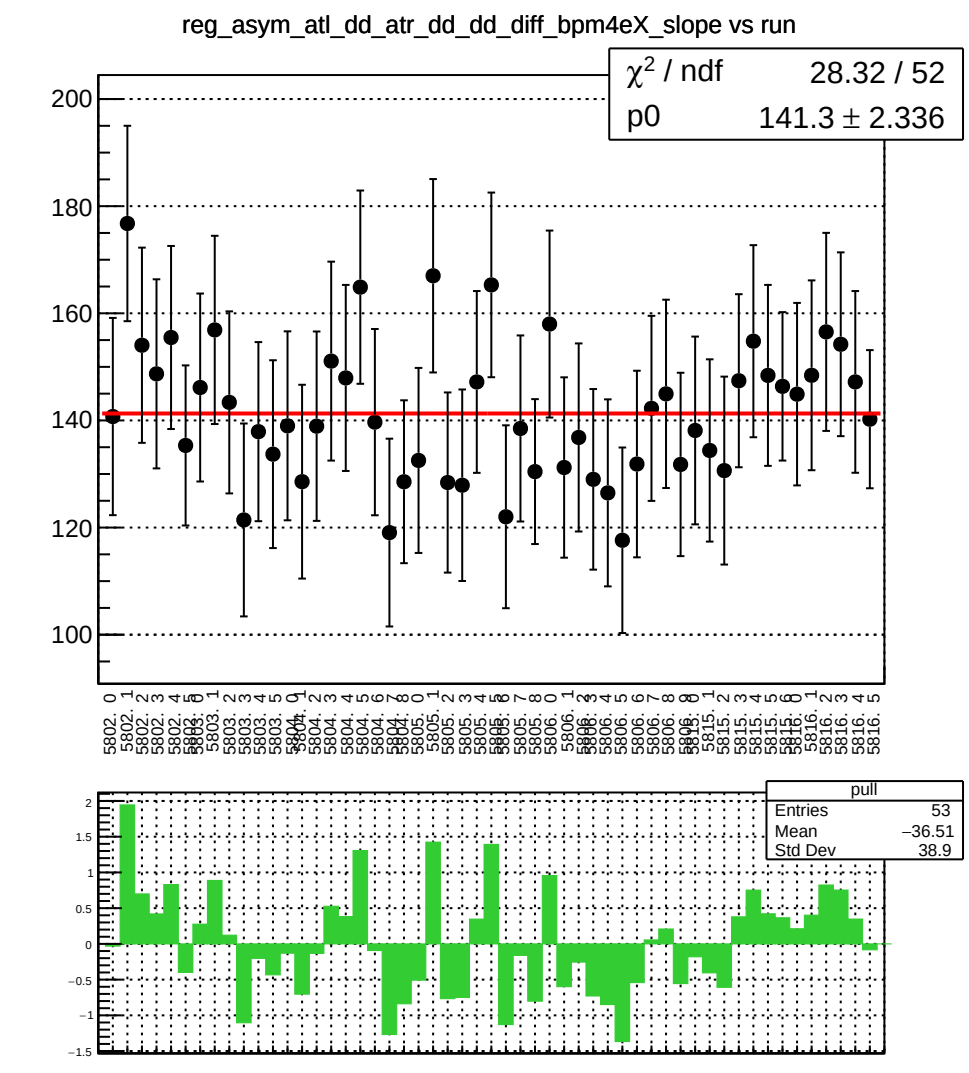

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.3 / 52
p0 −69.48 ± 4.938
pull
Entries 53
Mean 560.1
Std Dev 0
pull1D
Entries 53
Mean −0.005397
Std Dev 0.4616

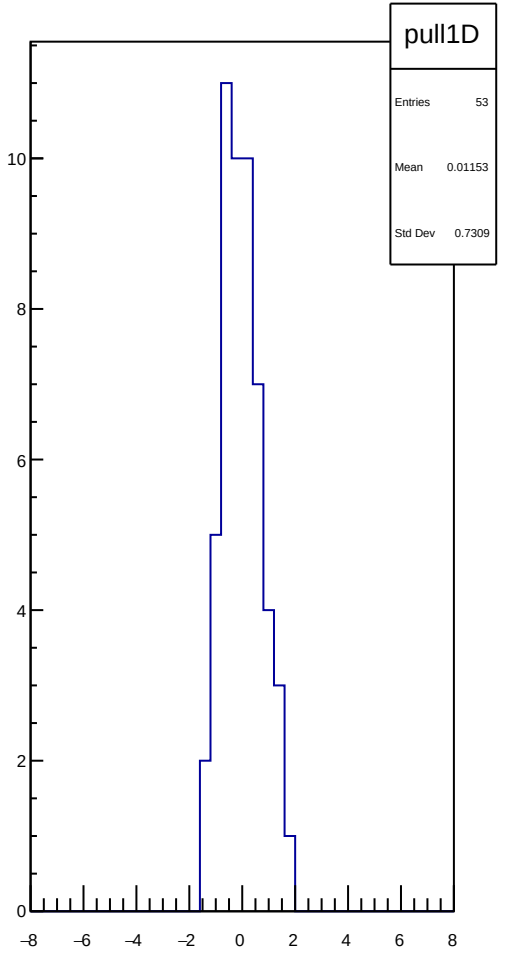

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 12.55 / 52
p0 107.4 ± 0.3127
pull
Entries 53
Mean −498.8
Std Dev 0
pull1D
Entries 53
Mean 0.003699
Std Dev 0.4865

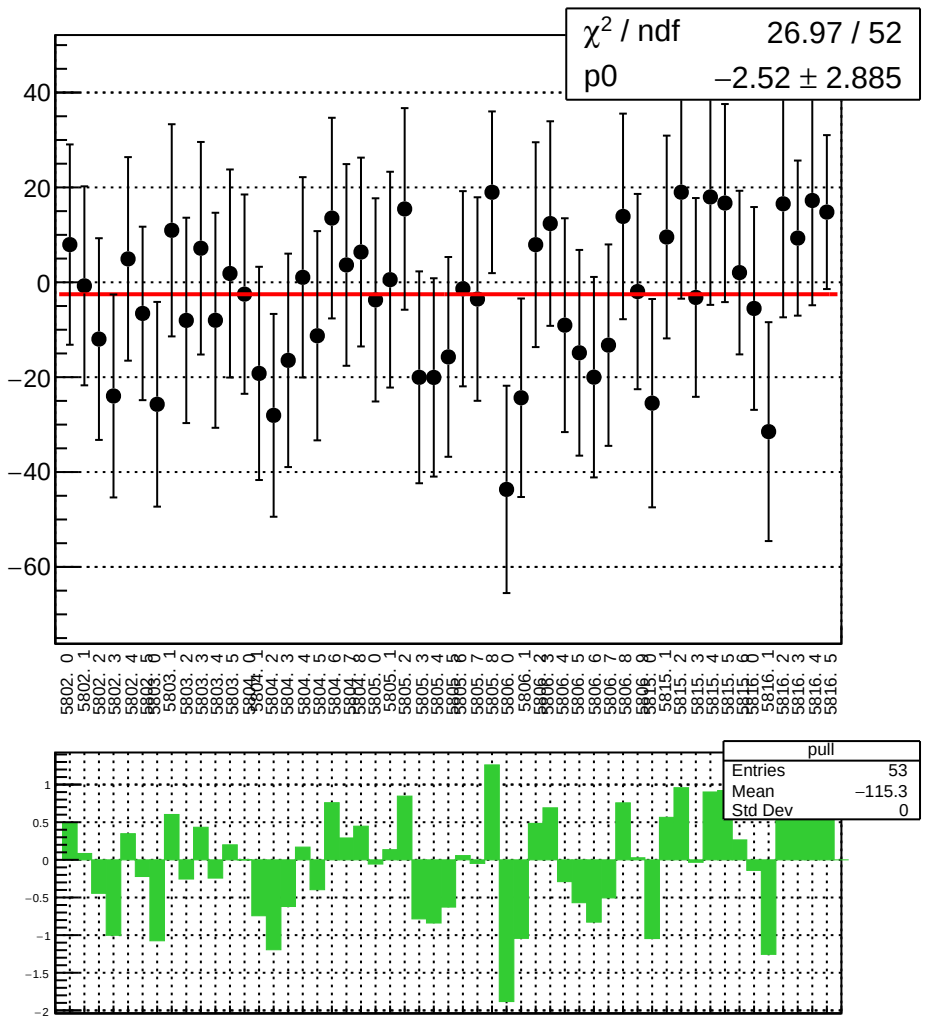

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 28.17 / 52
p0 −46.41 ± 1.596
pull
Entries 53
Mean 79.71
Std Dev 67.24

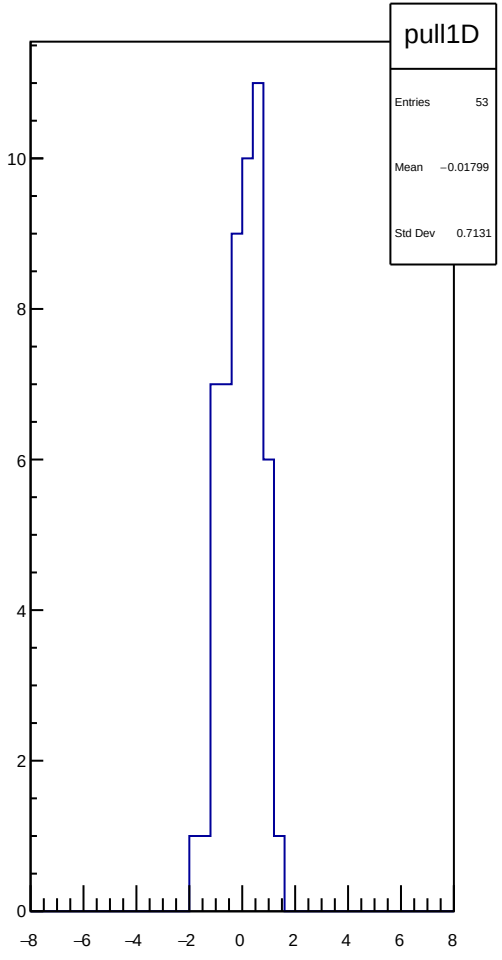

pull1D
Entries 53
Mean −0.009271
Std Dev 0.729

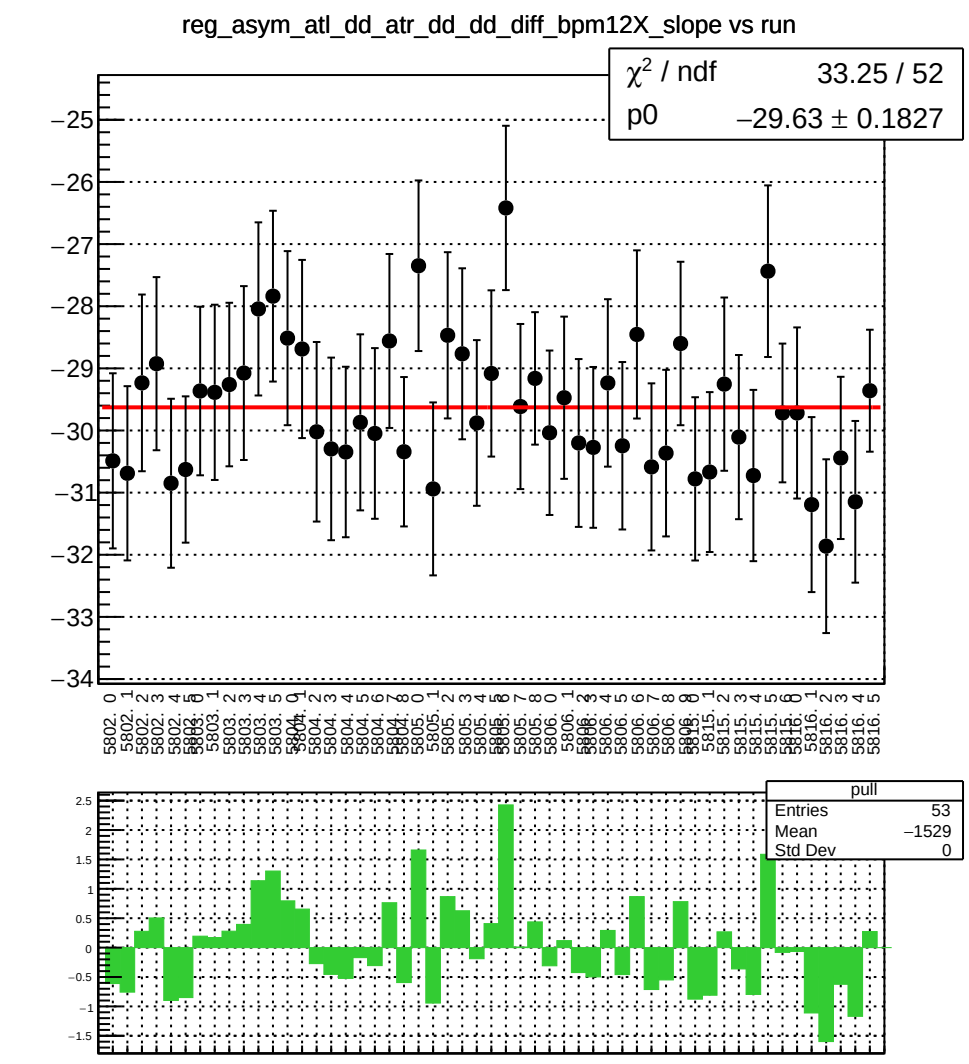

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.58 / 52
p0 12.53 ± 2.64
pull
Entries 53
Mean −123.8
Std Dev 0
pull1D
Entries 53
Mean 0.01703
Std Dev 0.708

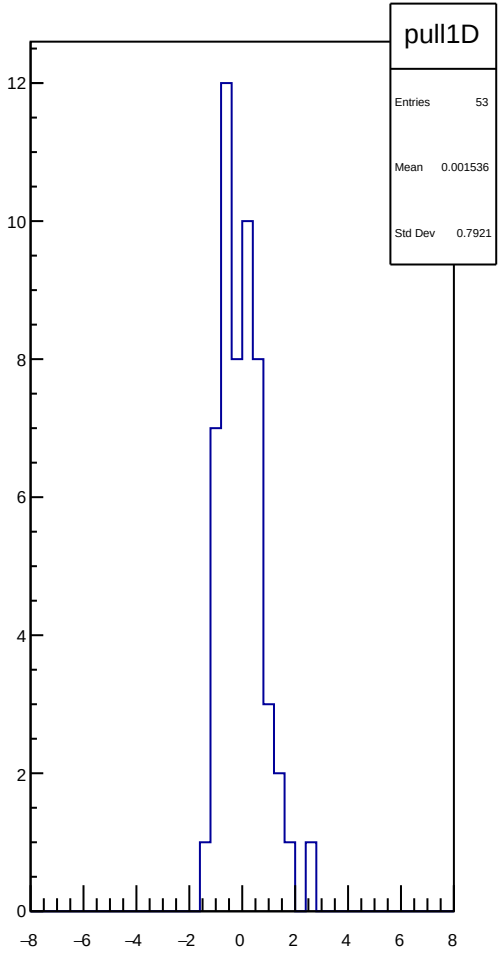

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.32 / 52
p0 141.3 ± 2.336
200
180
160
140
120
100
pull
Entries 53
Mean −36.51
Std Dev 38.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

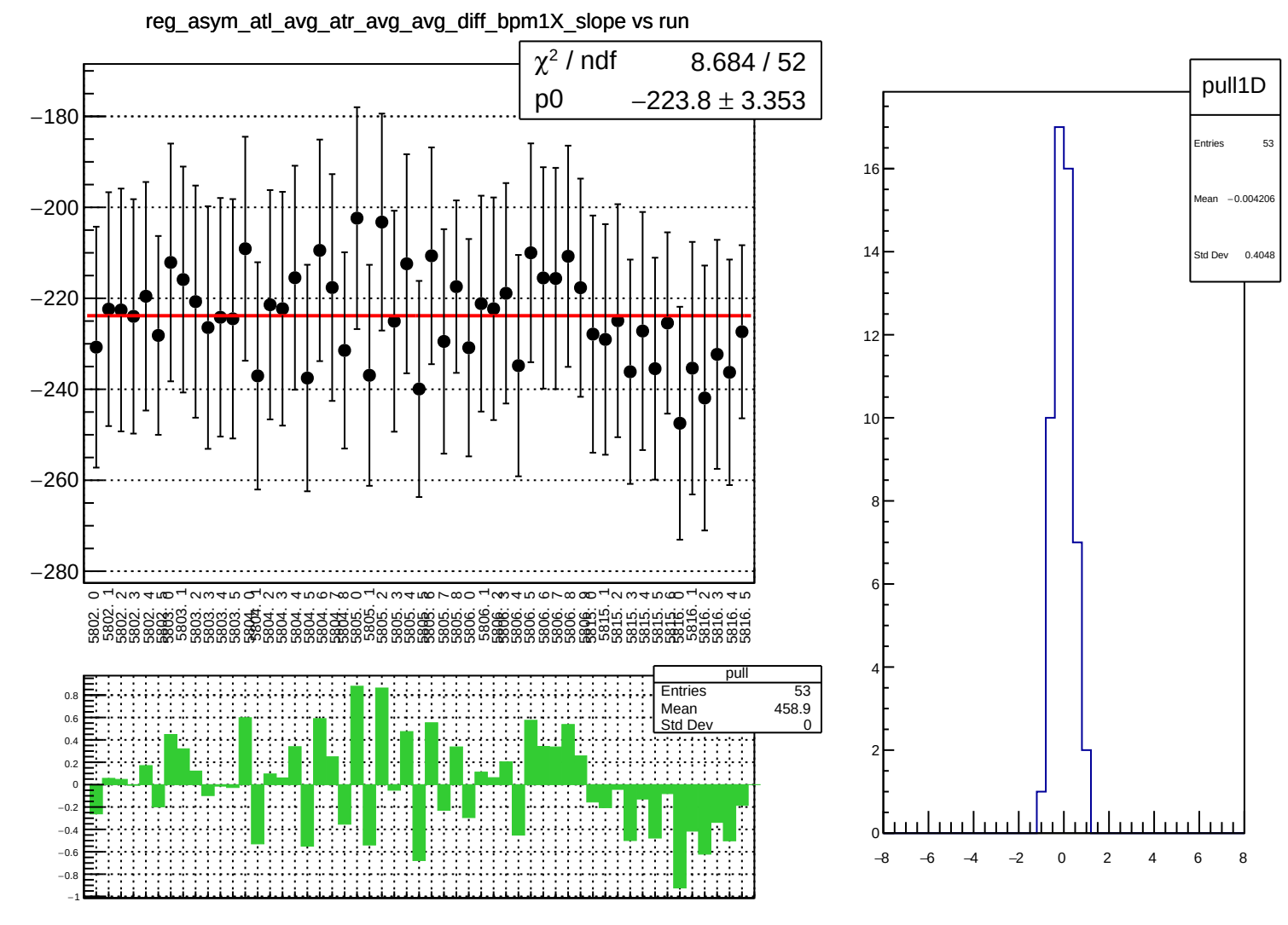

pull1D
Entries 53
Mean 0.01153
Std Dev 0.7309
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

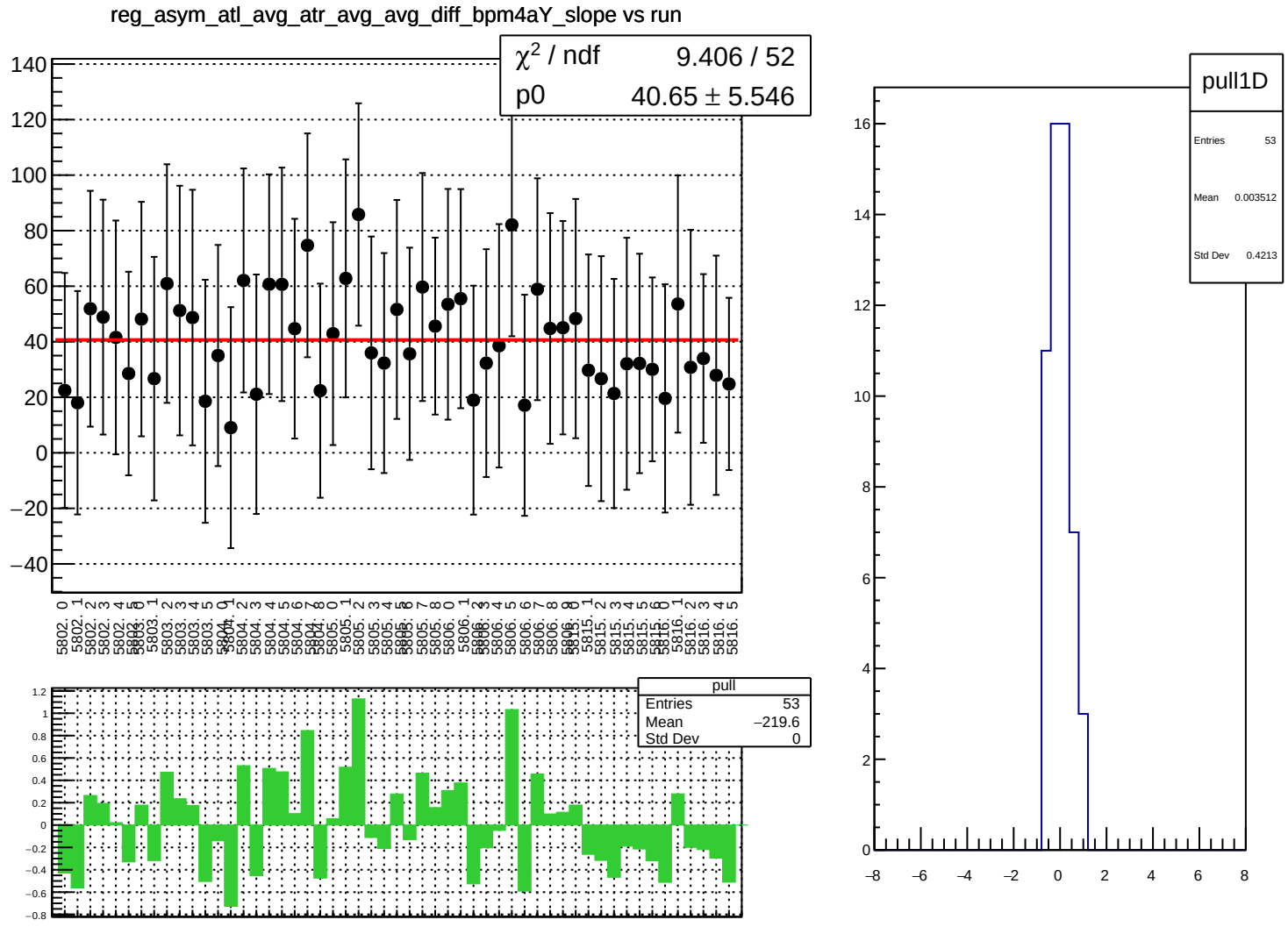

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.97 / 52
p0 −2.52 ± 2.885
pull
Entries 53
Mean −115.3
Std Dev 0

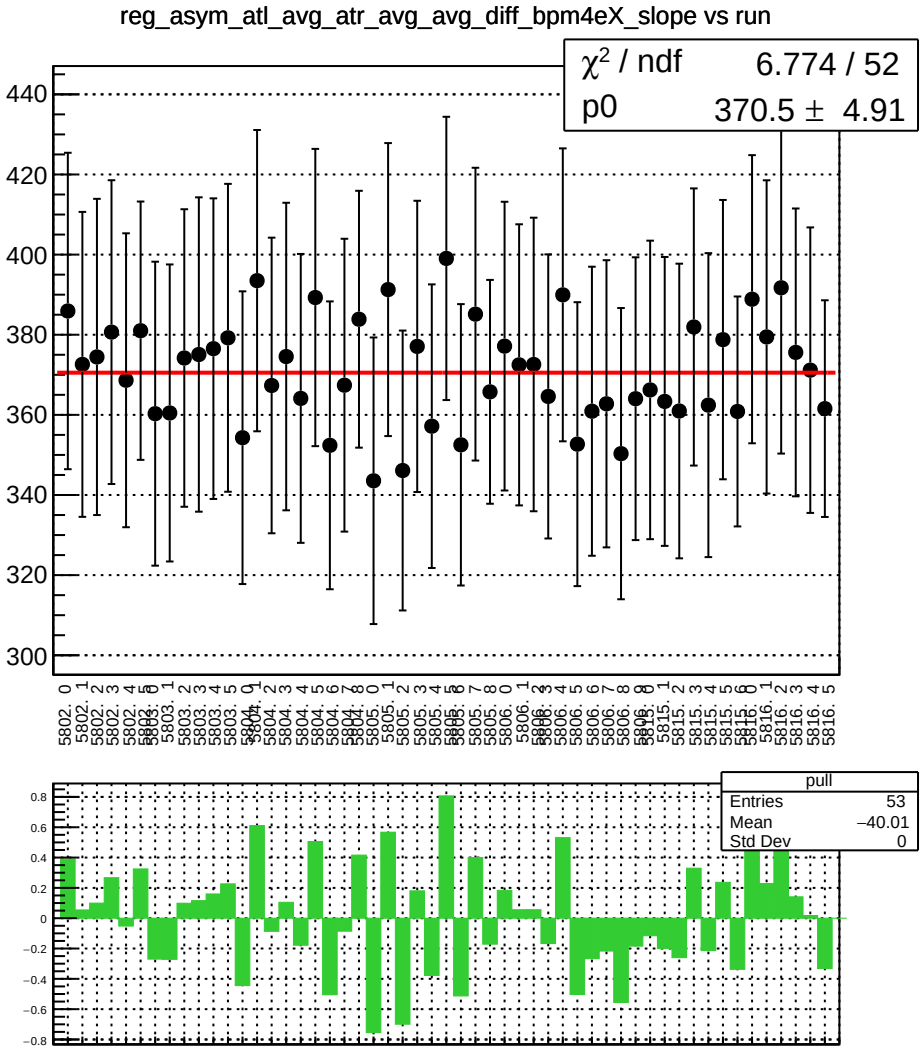

pull1D
Entries 53
Mean −0.01799
Std Dev 0.7131

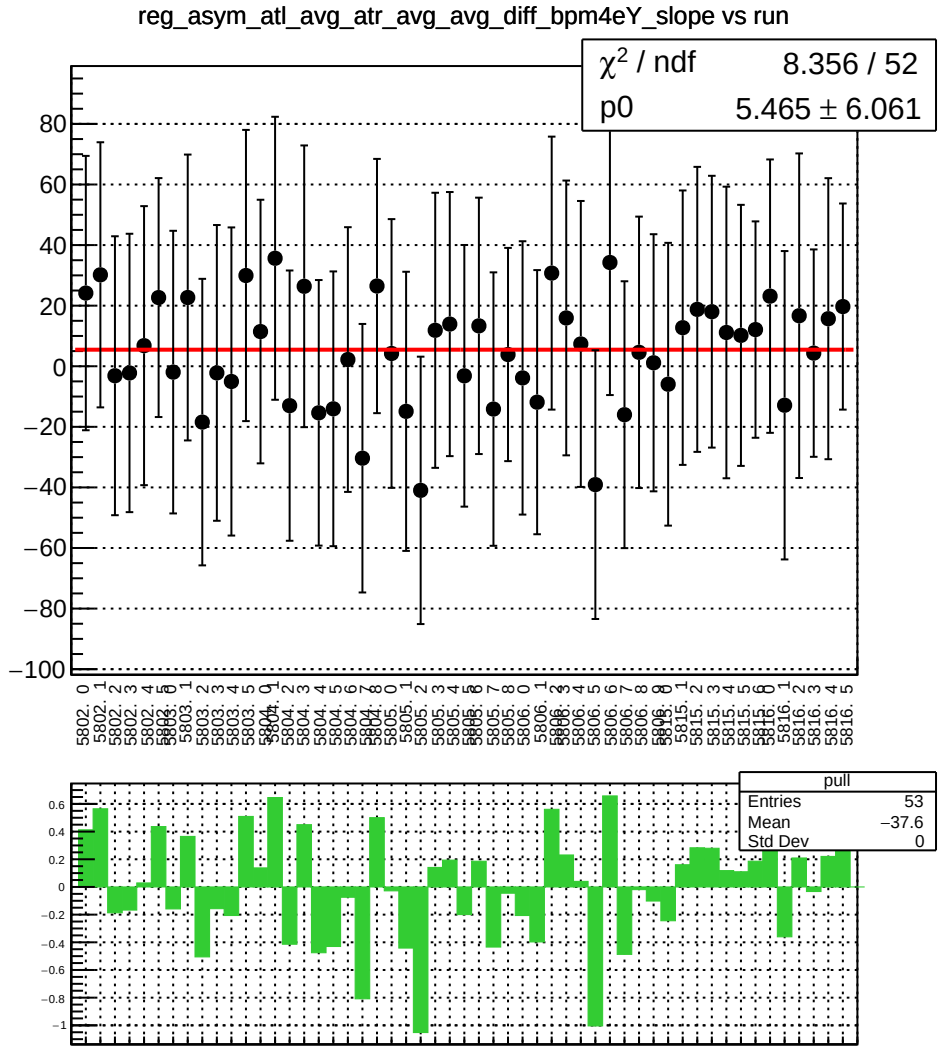

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 33.25 / 52
p0 −29.63 ± 0.1827
pull
Entries 53
Mean −1529
Std Dev 0

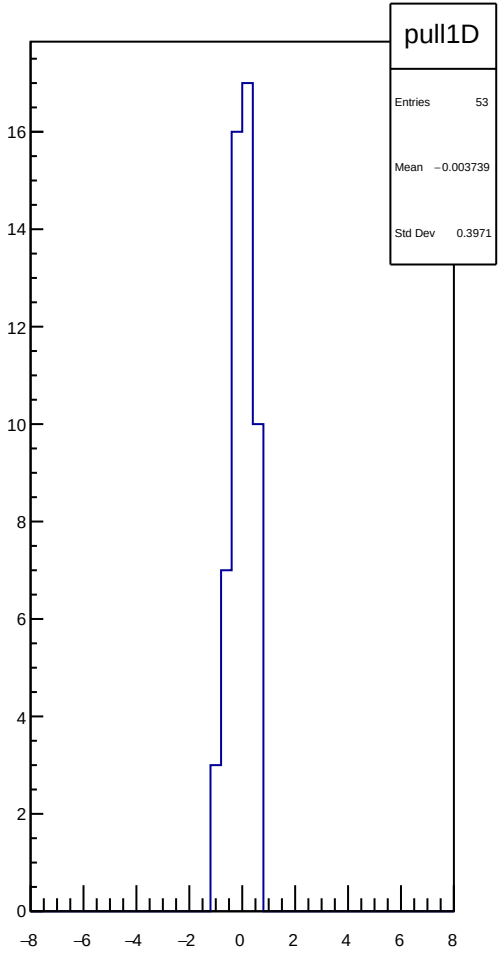

pull1D
Entries 53
Mean 0.001536
Std Dev 0.7921

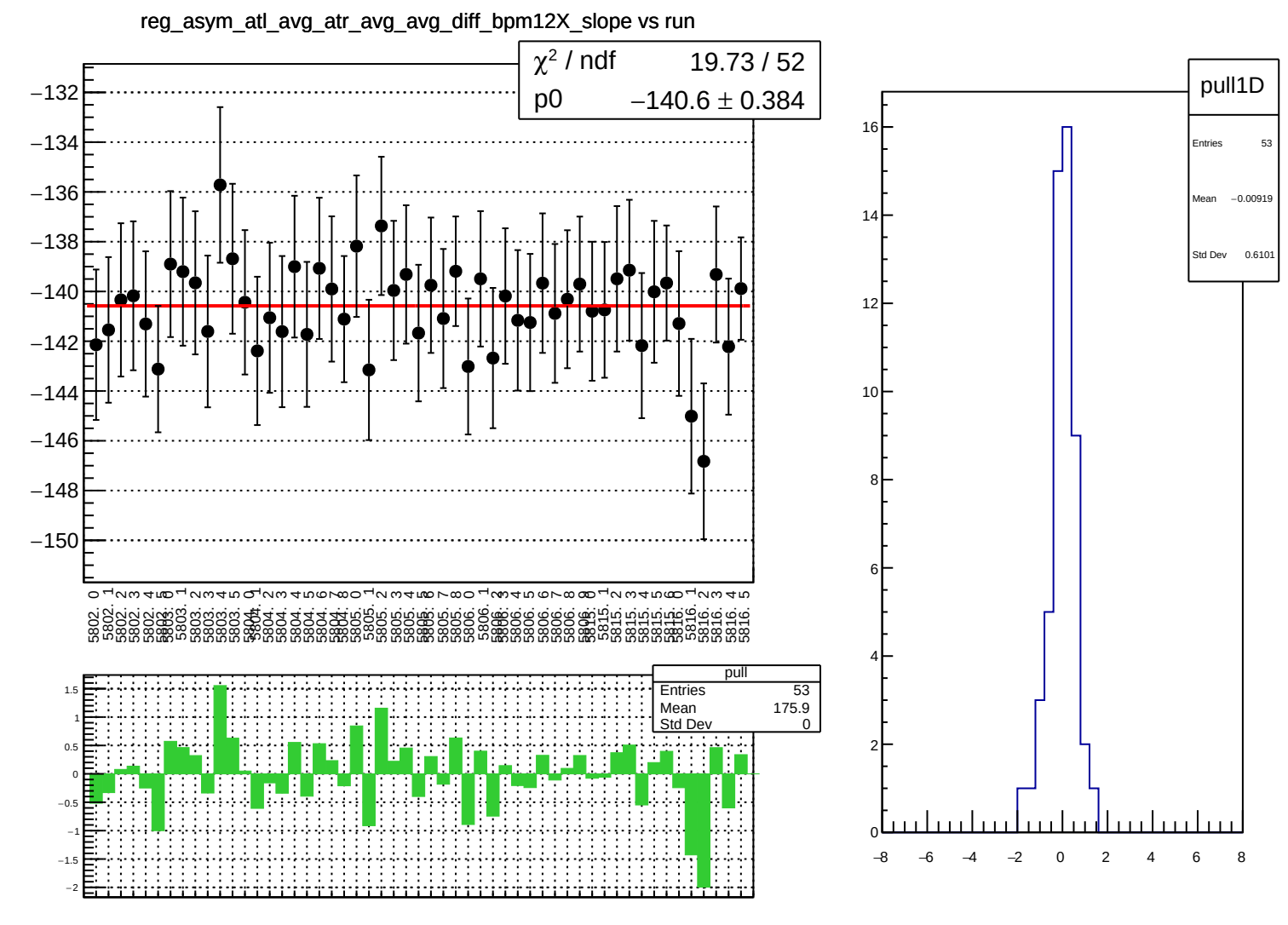

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 8.684 / 52
p0 −223.8 ± 3.353
−180
−200
−220
−240
−260
−280
pull
Entries 53
Mean 458.9
Std Dev 0
pull1D
Entries 53
Mean −0.004206
Std Dev 0.4048

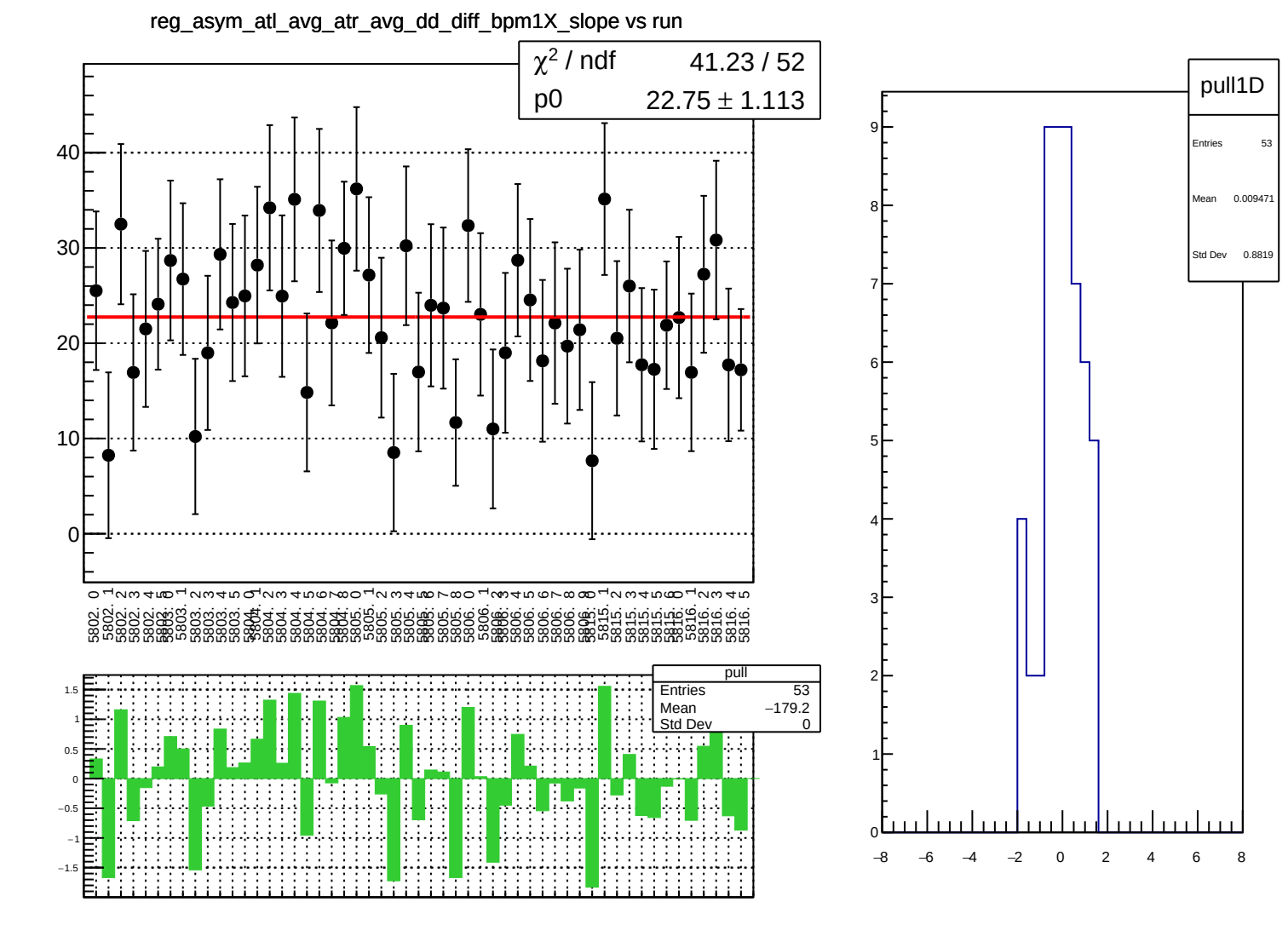

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.406 / 52
p0 40.65 ± 5.546
pull
Entries 53
Mean −219.6
Std Dev 0
pull1D
Entries 53
Mean 0.003512
Std Dev 0.4213

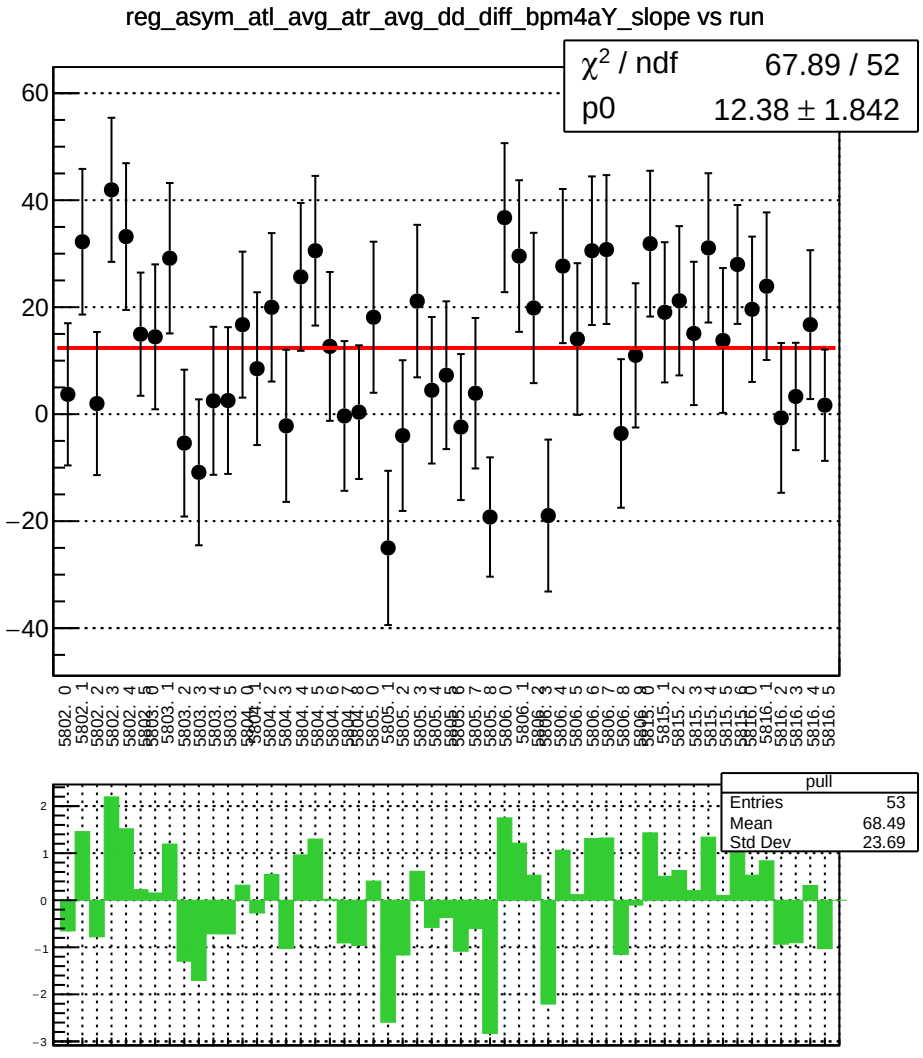

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.774 / 52
p0 370.5 ± 4.91
pull
Entries 53
Mean −40.01
Std Dev 0
pull1D
Entries 53
Mean 0.007009
Std Dev 0.3574

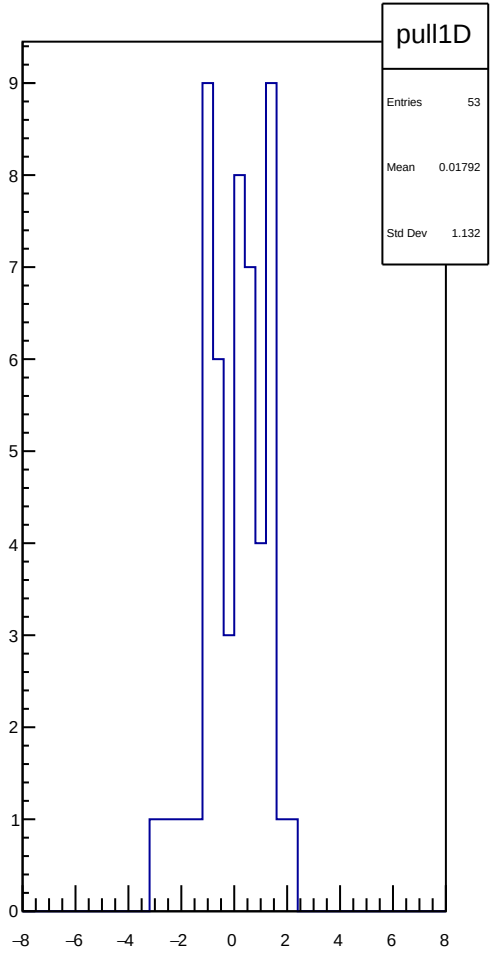

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.356 / 52
p0 5.465 ± 6.061
pull
Entries 53
Mean −37.6
Std Dev 0

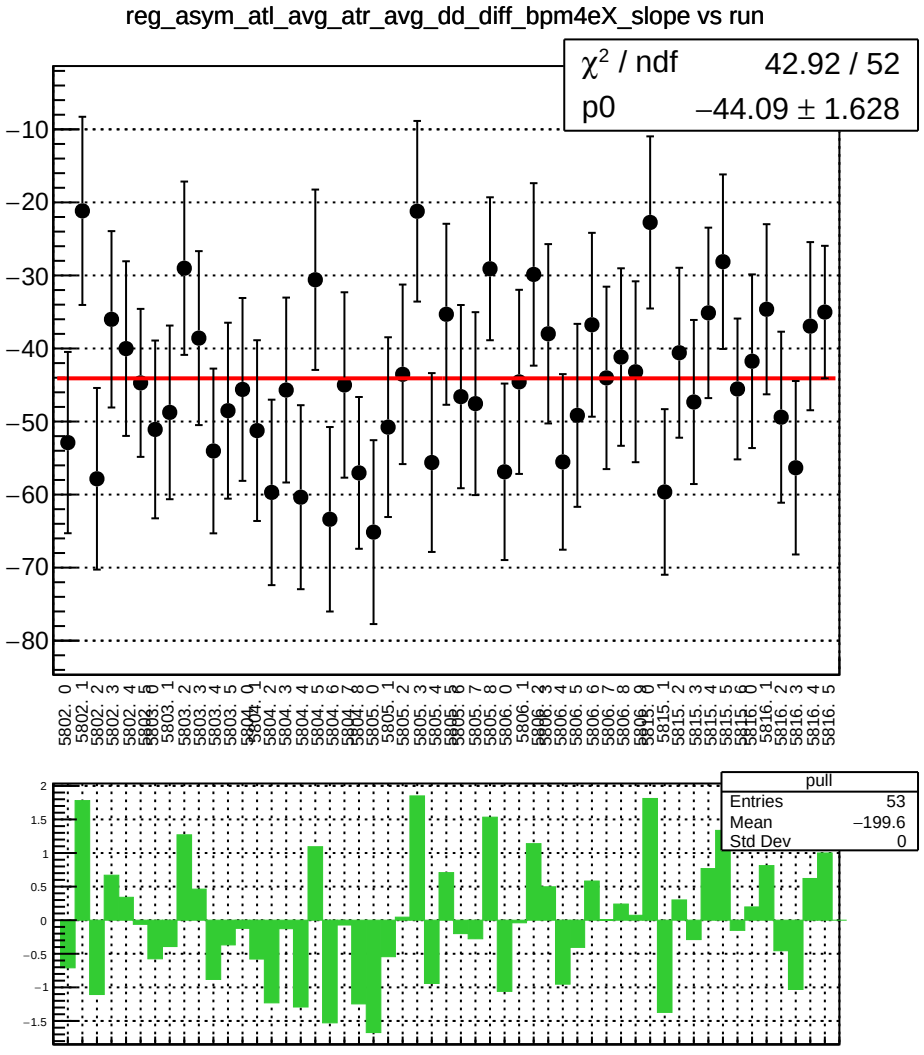

pull1D
Entries 53
Mean −0.003739
Std Dev 0.3971

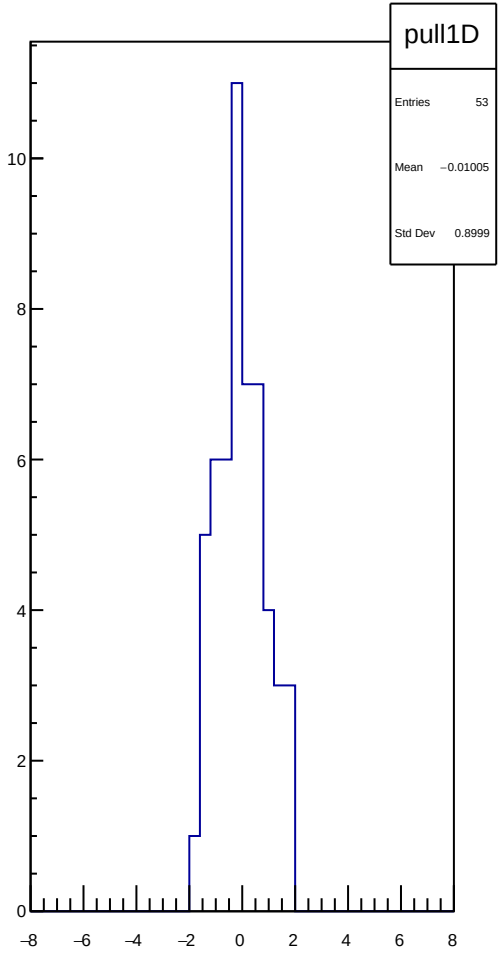

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.73 / 52
p0 −140.6 ± 0.384
pull
Entries 53
Mean 175.9
Std Dev 0
pull1D
Entries 53
Mean −0.00919
Std Dev 0.6101

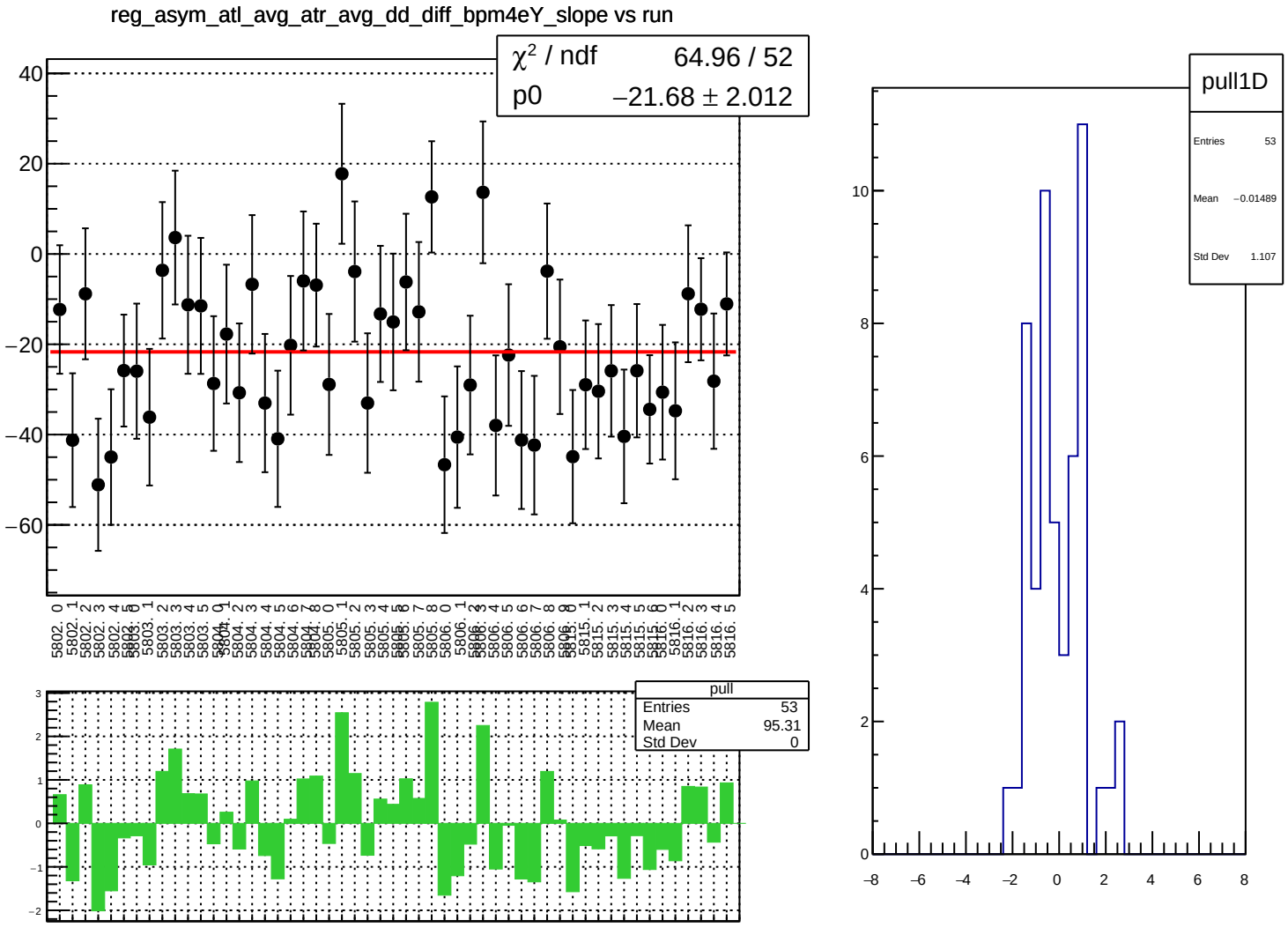

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 41.23 / 52
p0 22.75 ± 1.113
pull
Entries 53
Mean −179.2
Std Dev 0
pull1D
Entries 53
Mean 0.009471
Std Dev 0.8819

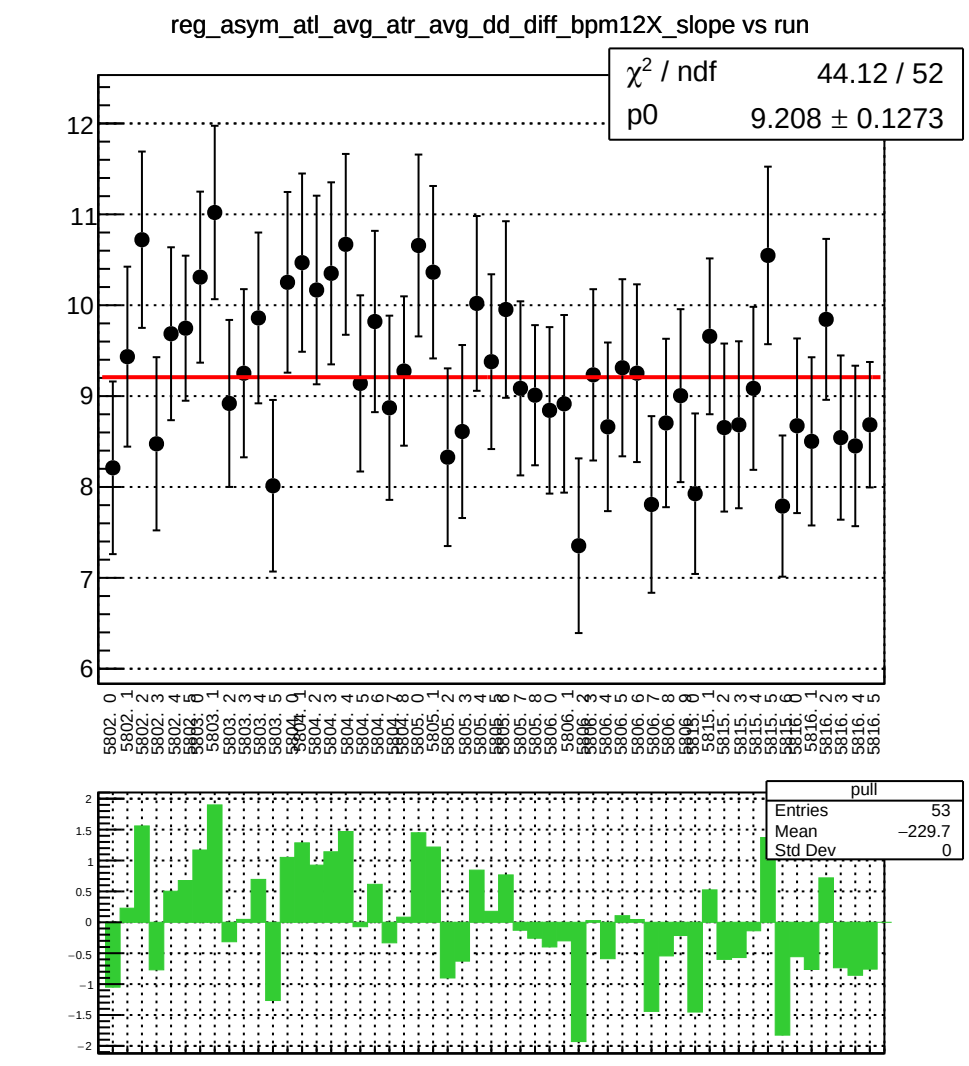

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.89 / 52
p0 12.38 ± 1.842
pull
Entries 53
Mean 68.49
Std Dev 23.69

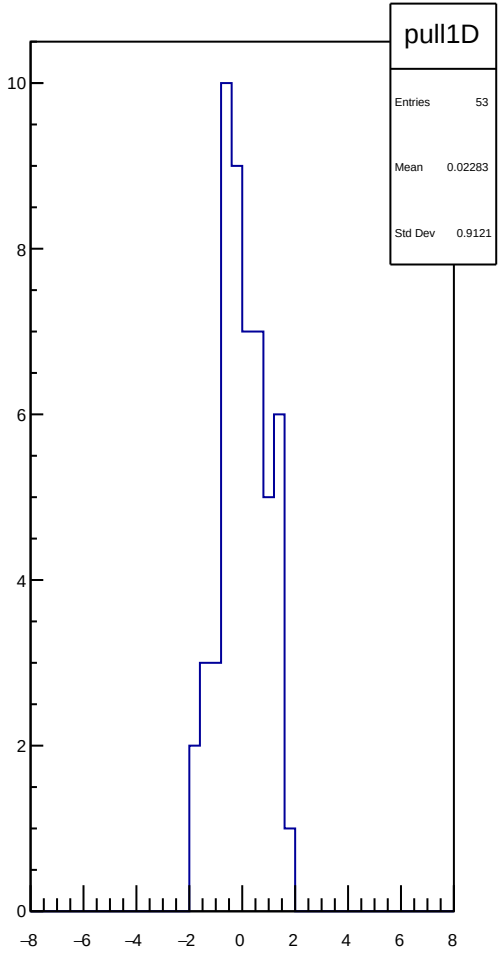

pull1D
Entries 53
Mean 0.01792
Std Dev 1.132

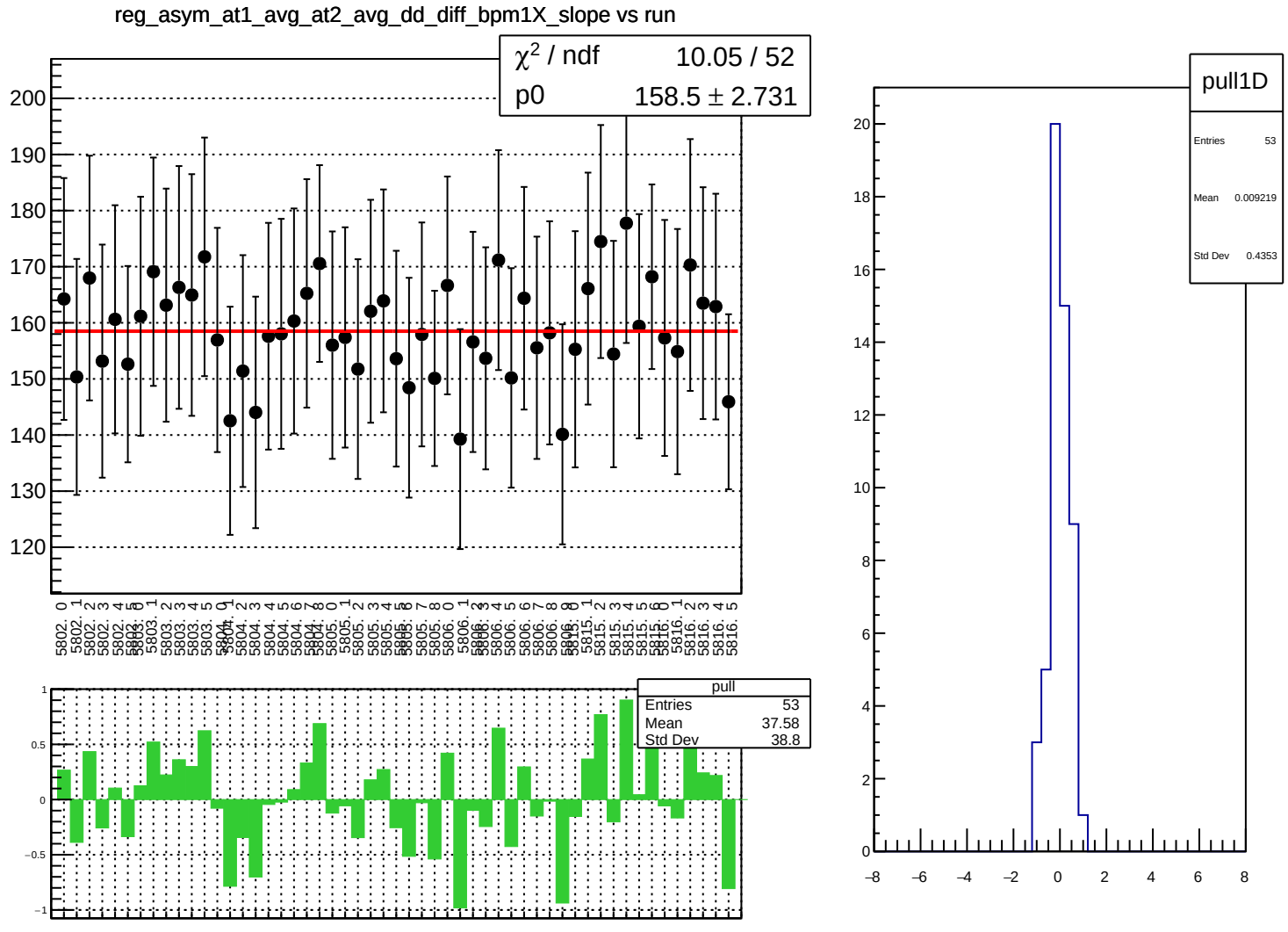

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.92 / 52
p0 −44.09 ± 1.628
pull
Entries 53
Mean −199.6
Std Dev 0

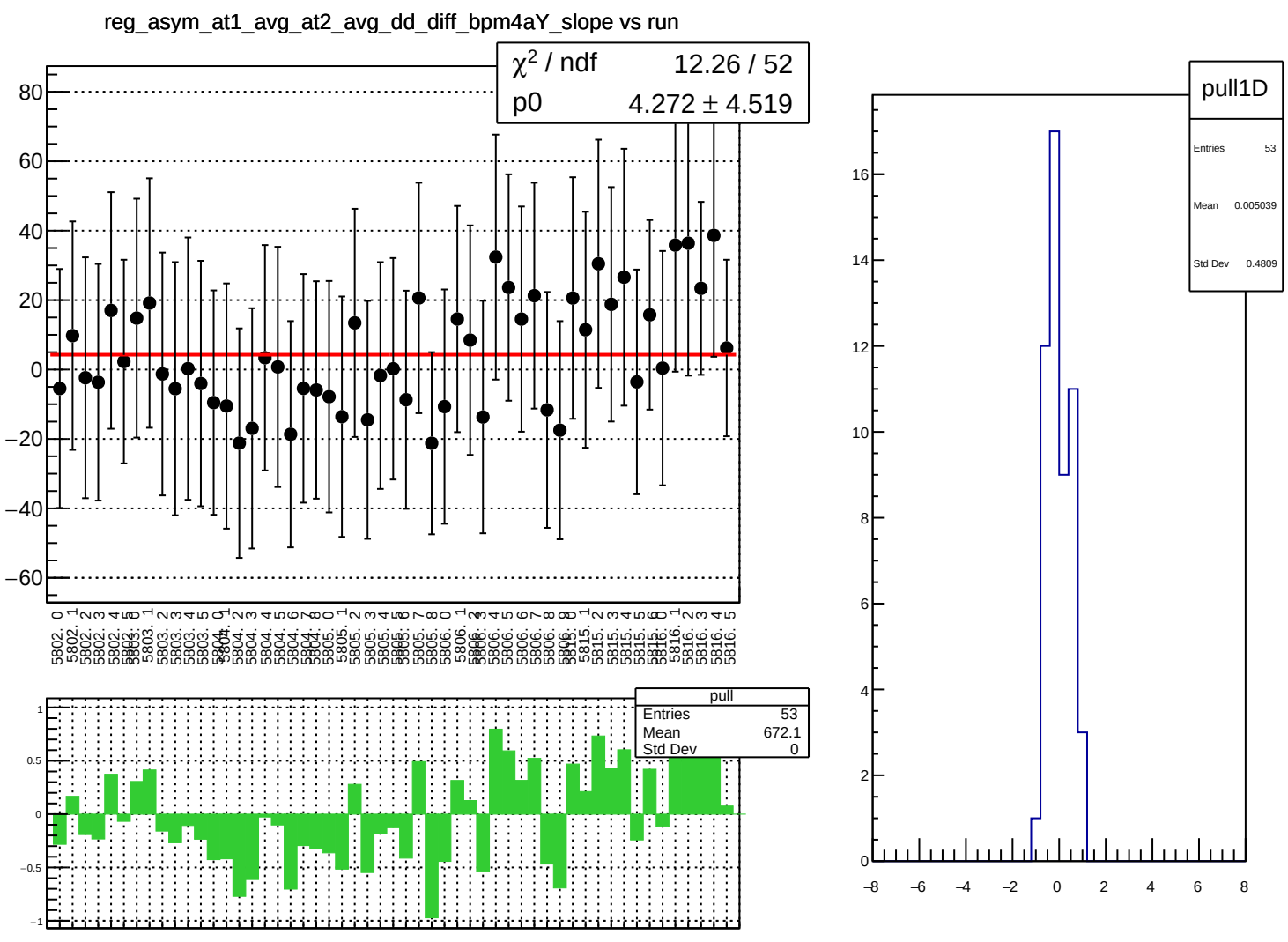

pull1D
Entries 53
Mean −0.01005
Std Dev 0.8999

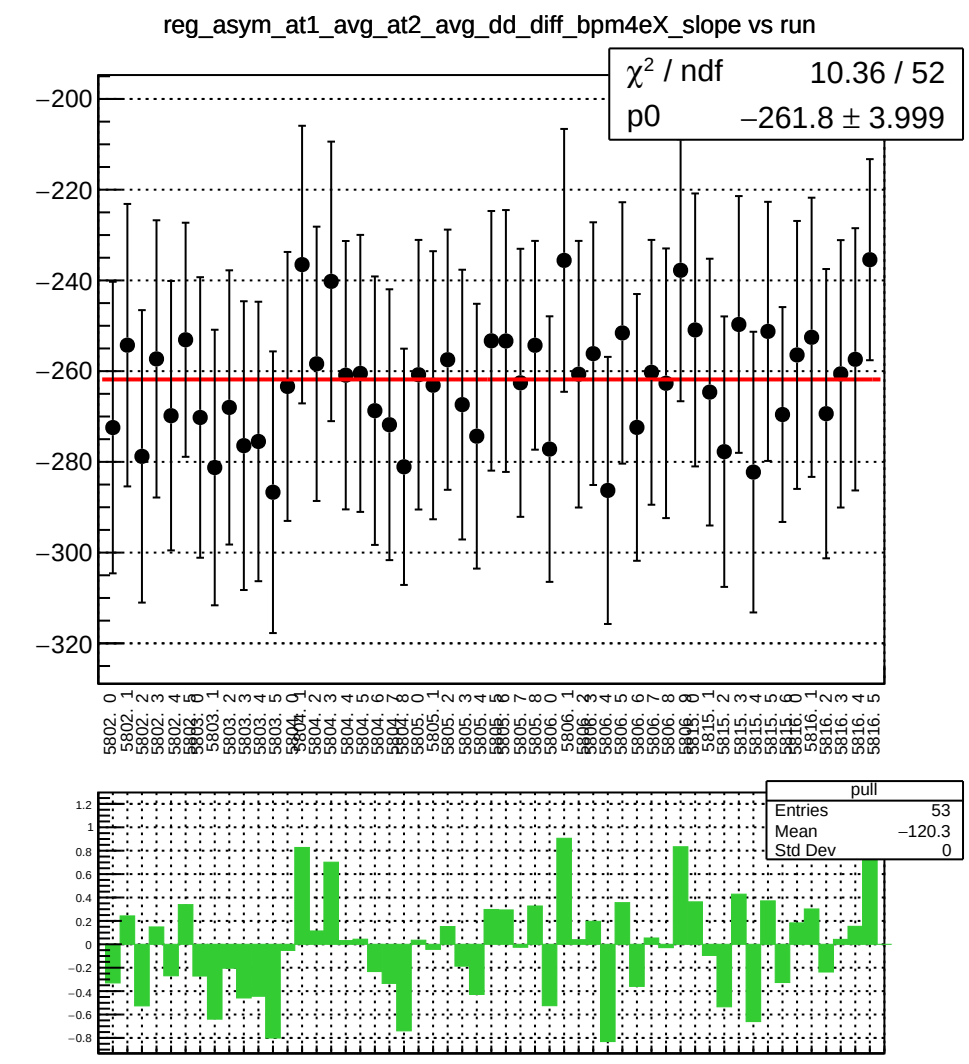

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.96 / 52
p0 −21.68 ± 2.012
pull
Entries 53
Mean 95.31
Std Dev 0
pull1D
Entries 53
Mean −0.01489
Std Dev 1.107

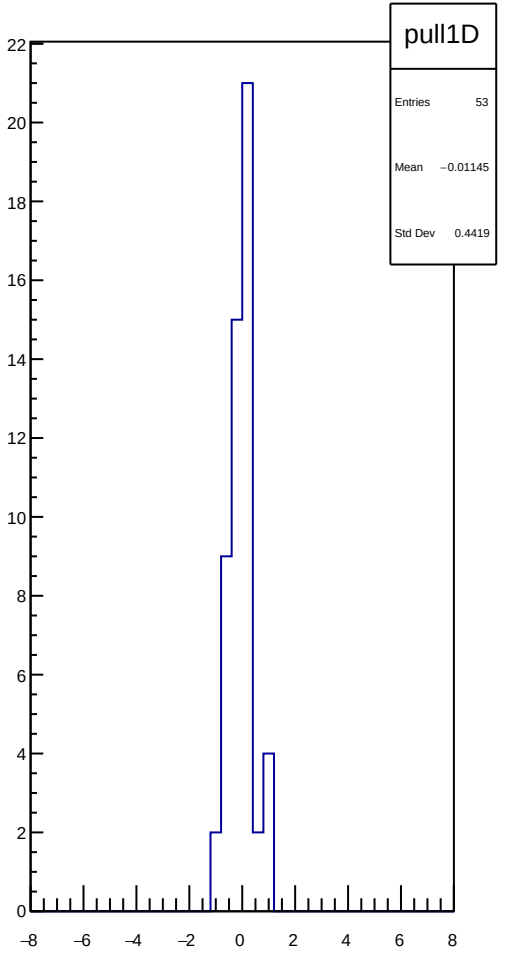

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 44.12 / 52
p0 9.208 ± 0.1273
pull
Entries 53
Mean −229.7
Std Dev 0

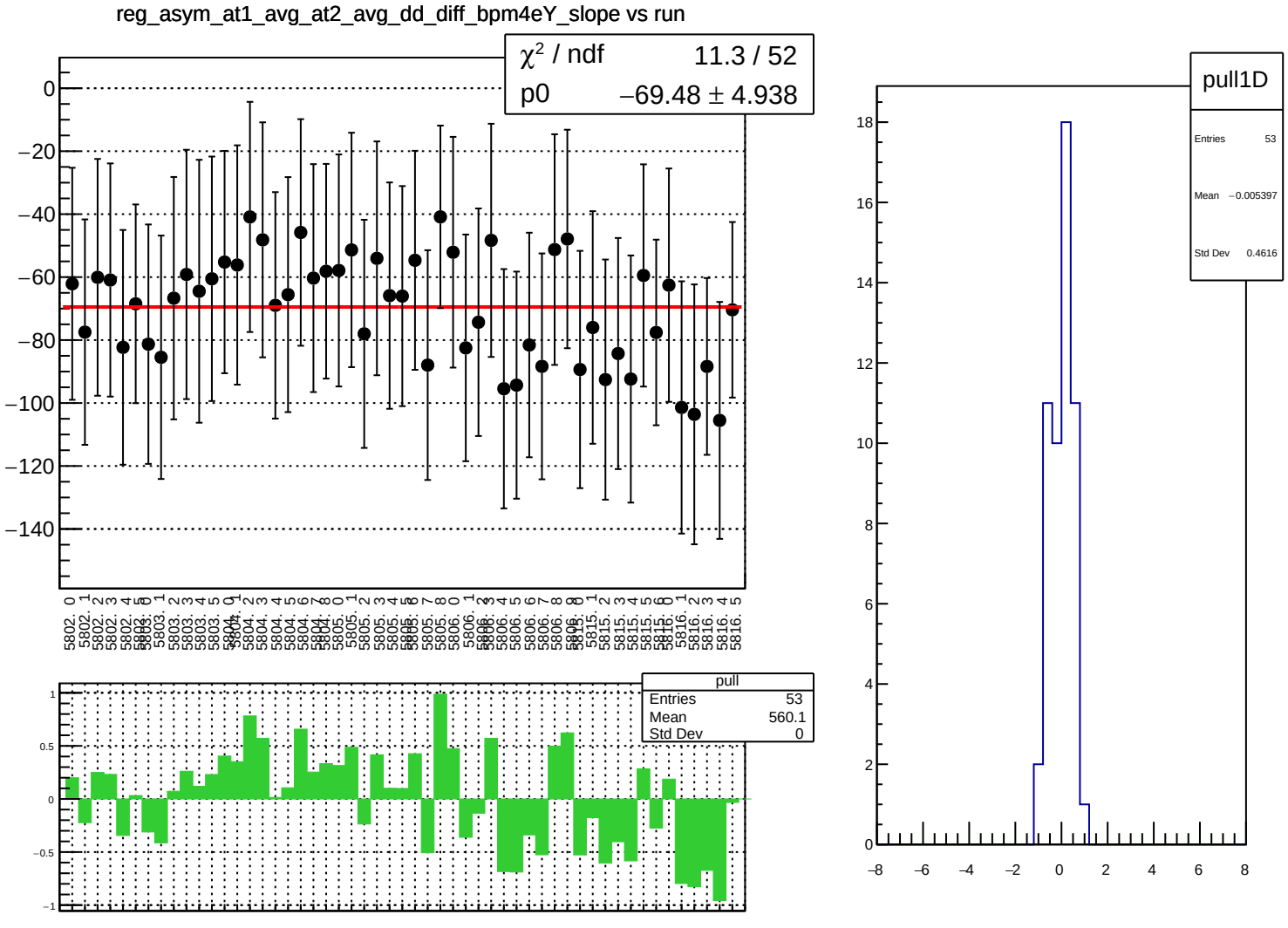

pull1D
Entries 53
Mean 0.02283
Std Dev 0.9121

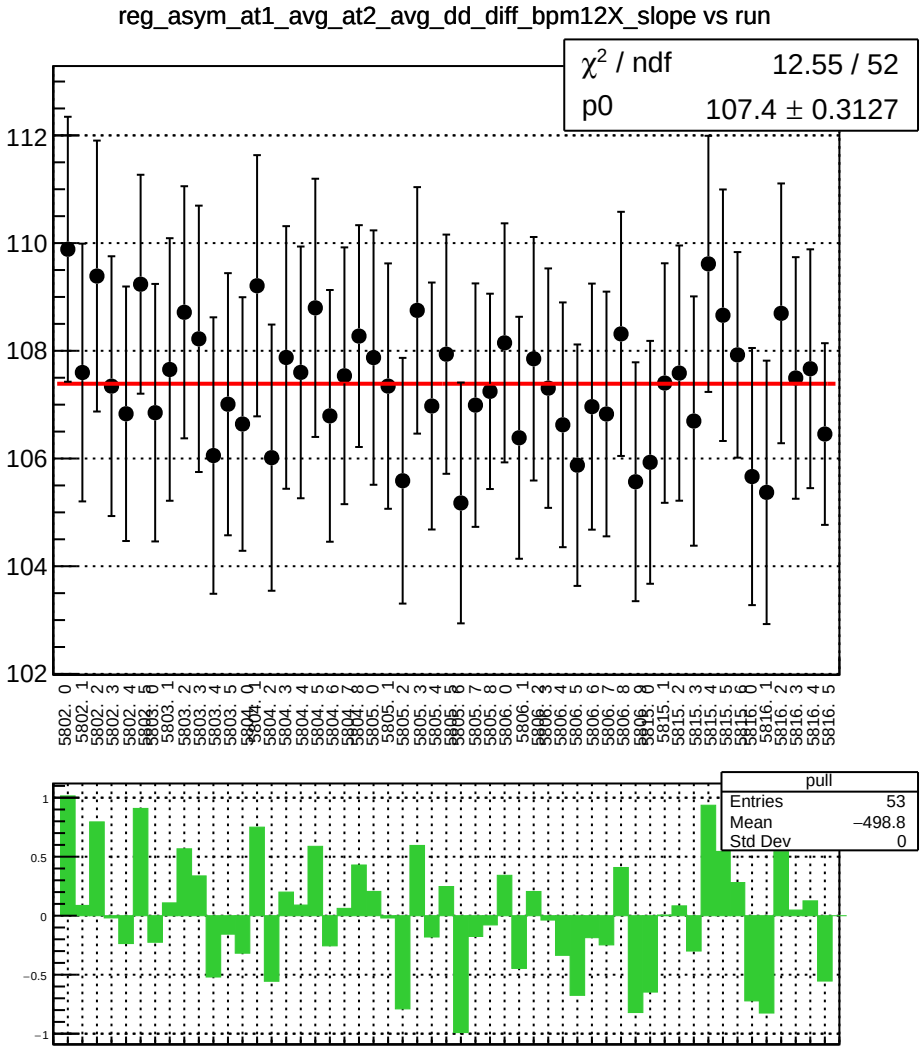

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 10.05 / 52
p0 158.5 ± 2.731
pull
Entries 53
Mean 37.58
Std Dev 38.8
pull1D
Entries 53
Mean 0.009219
Std Dev 0.4353

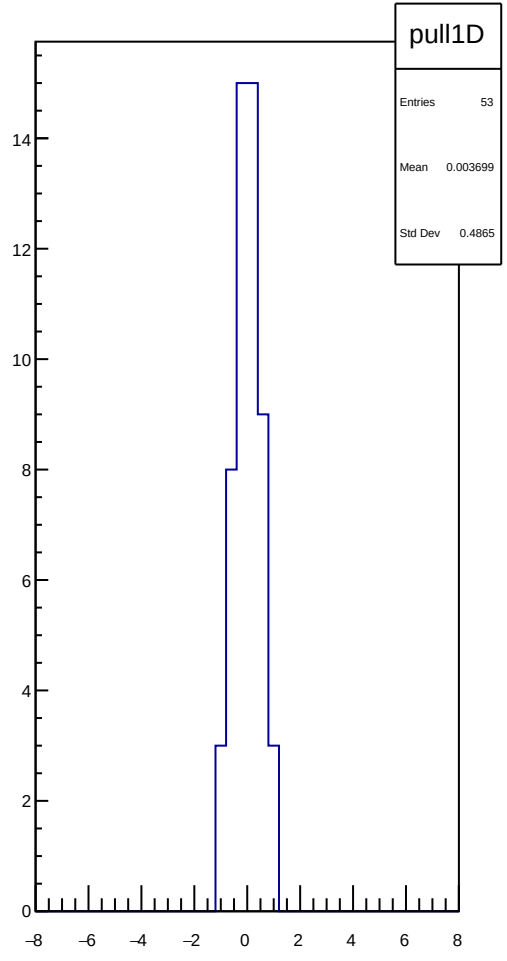

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.26 / 52
p0 4.272 ± 4.519
pull
Entries 53
Mean 672.1
Std Dev 0
pull1D
Entries 53
Mean 0.005039
Std Dev 0.4809

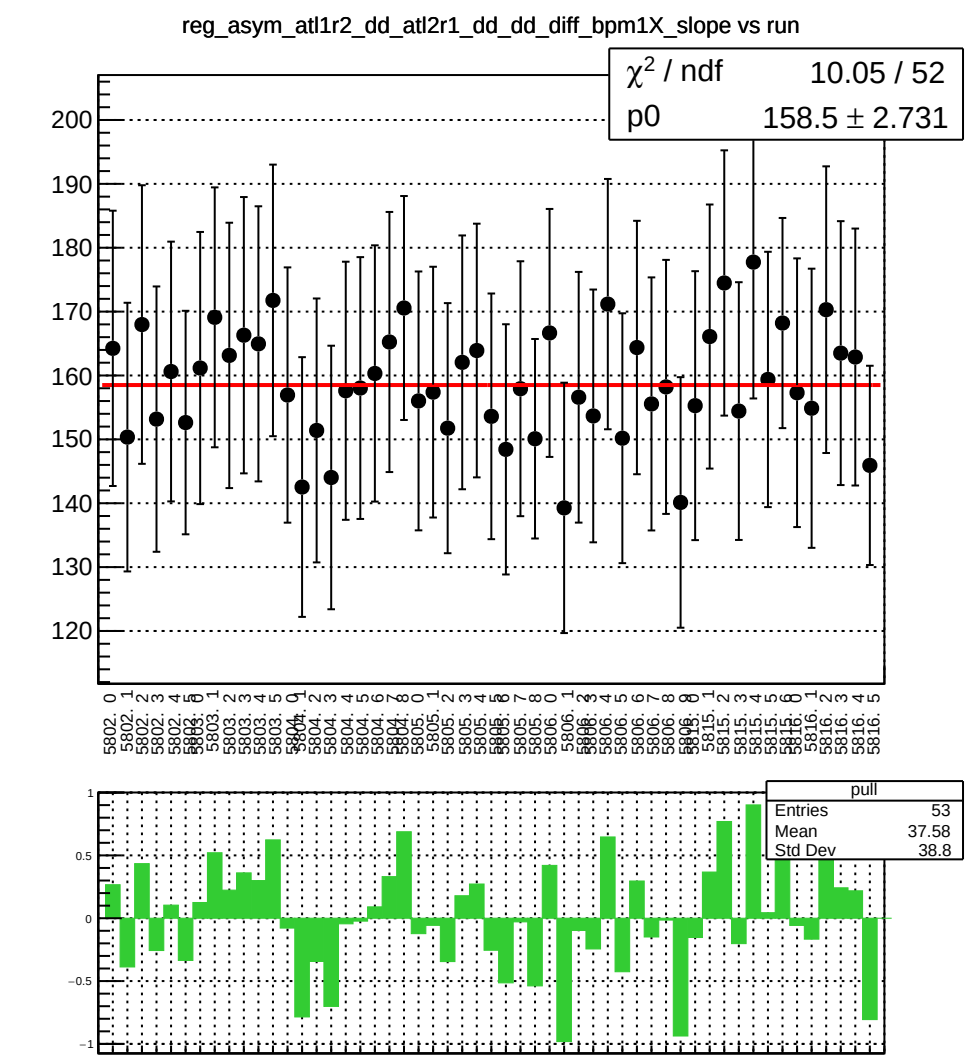

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.36 / 52
p0 −261.8 ± 3.999
pull
Entries 53
Mean −120.3
Std Dev 0

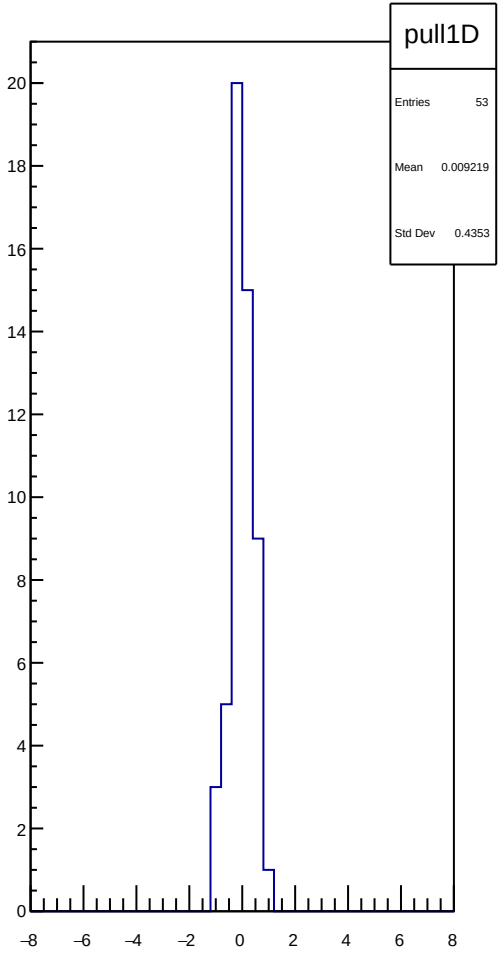

pull1D
Entries 53
Mean −0.01145
Std Dev 0.4419

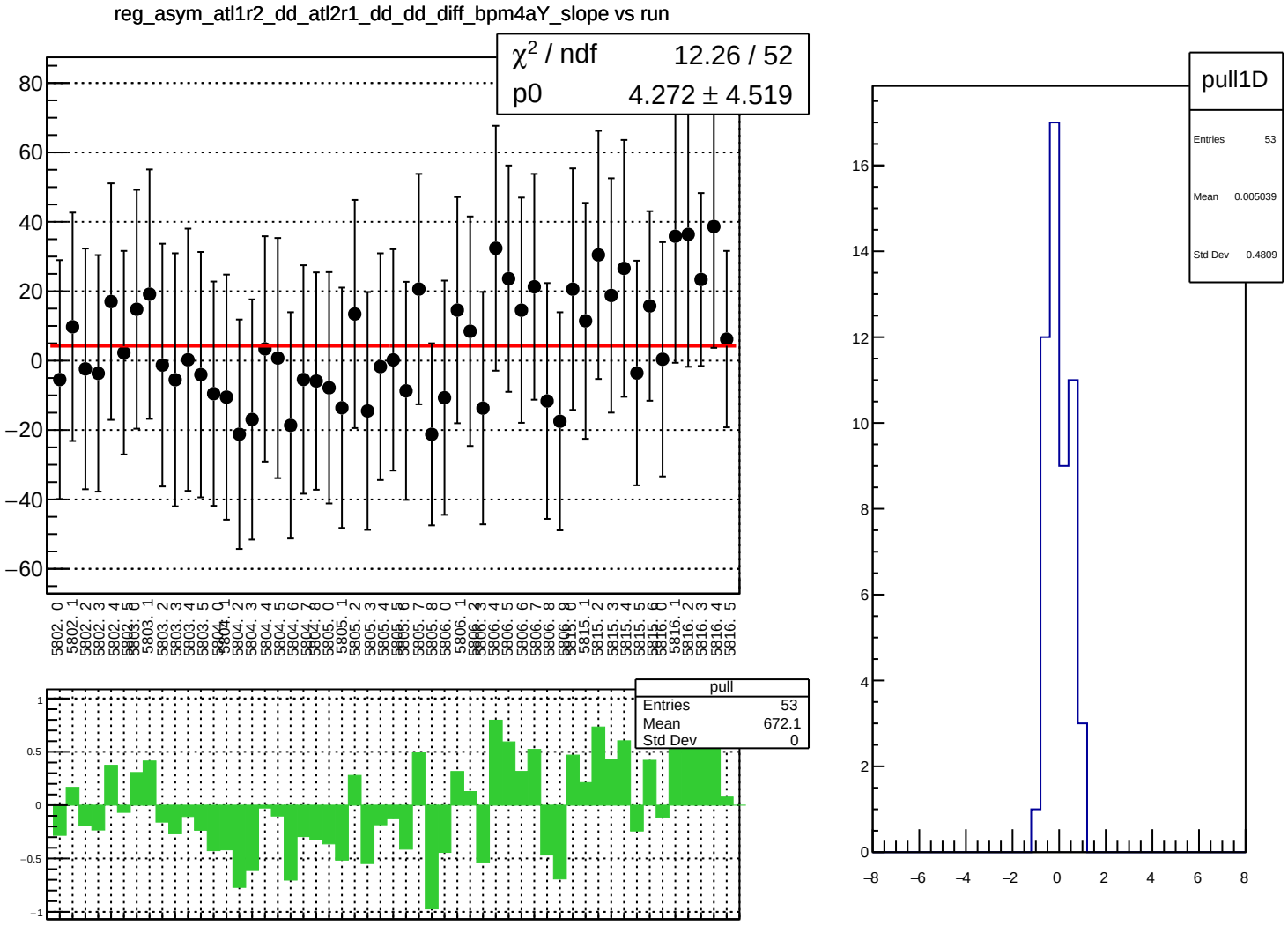

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.3 / 52
p0 −69.48 ± 4.938
pull
Entries 53
Mean 560.1
Std Dev 0
pull1D
Entries 53
Mean −0.005397
Std Dev 0.4616

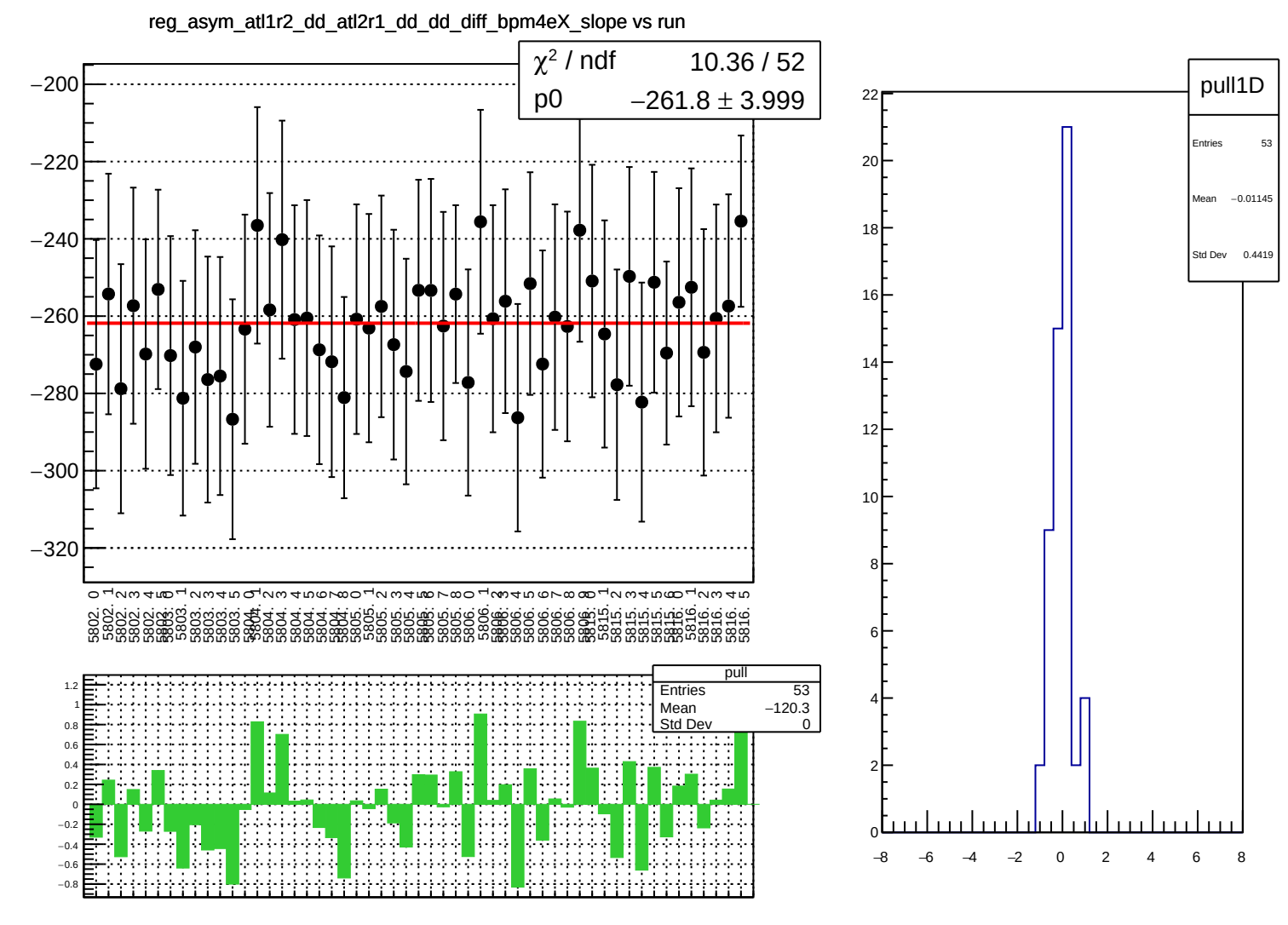

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.55 / 52
p0 107.4 ± 0.3127
pull
Entries 53
Mean −498.8
Std Dev 0

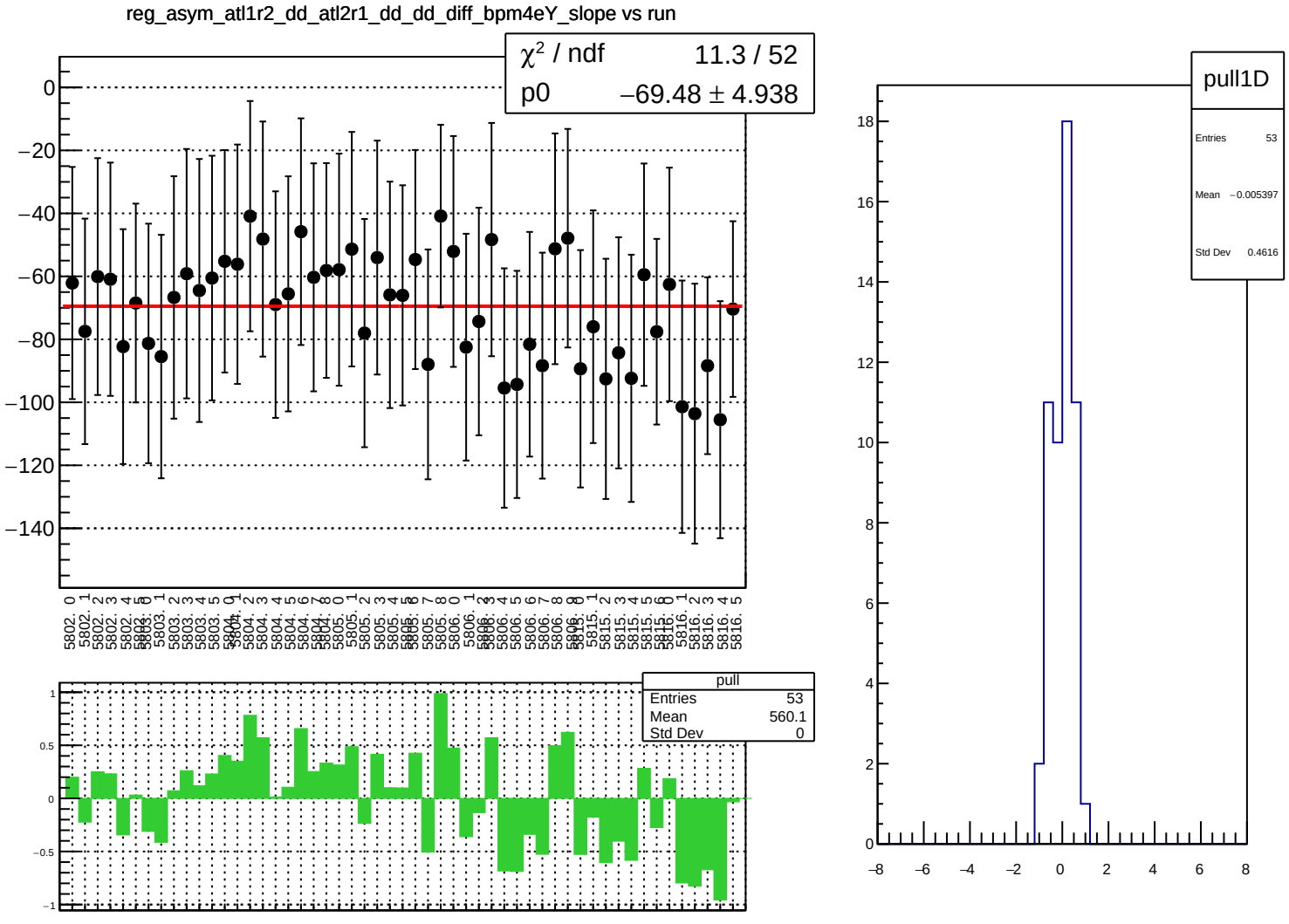

pull1D
Entries 53
Mean 0.003699
Std Dev 0.4865

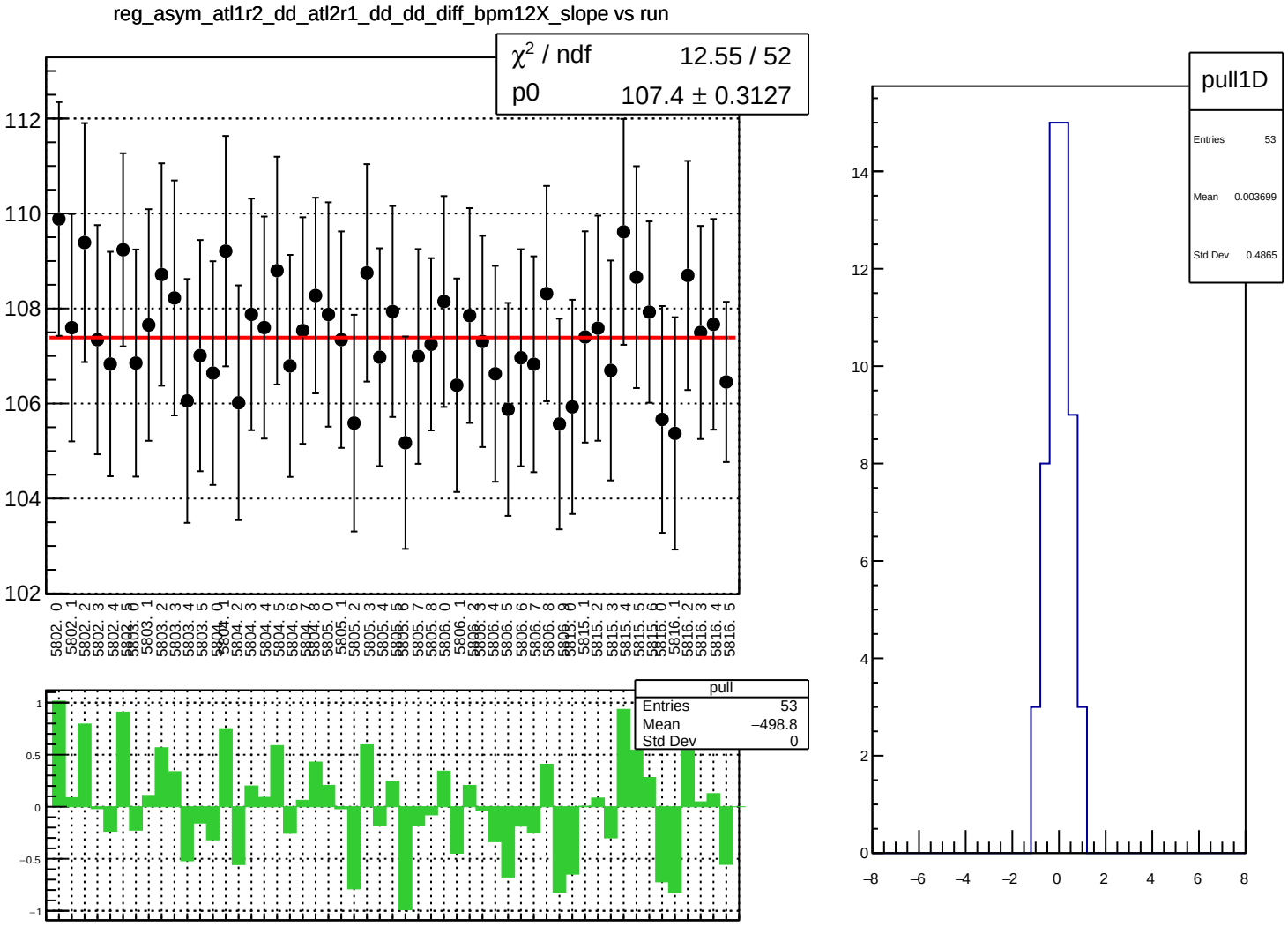

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 10.05 / 52
p0 158.5 ± 2.731
pull
Entries 53
Mean 37.58
Std Dev 38.8

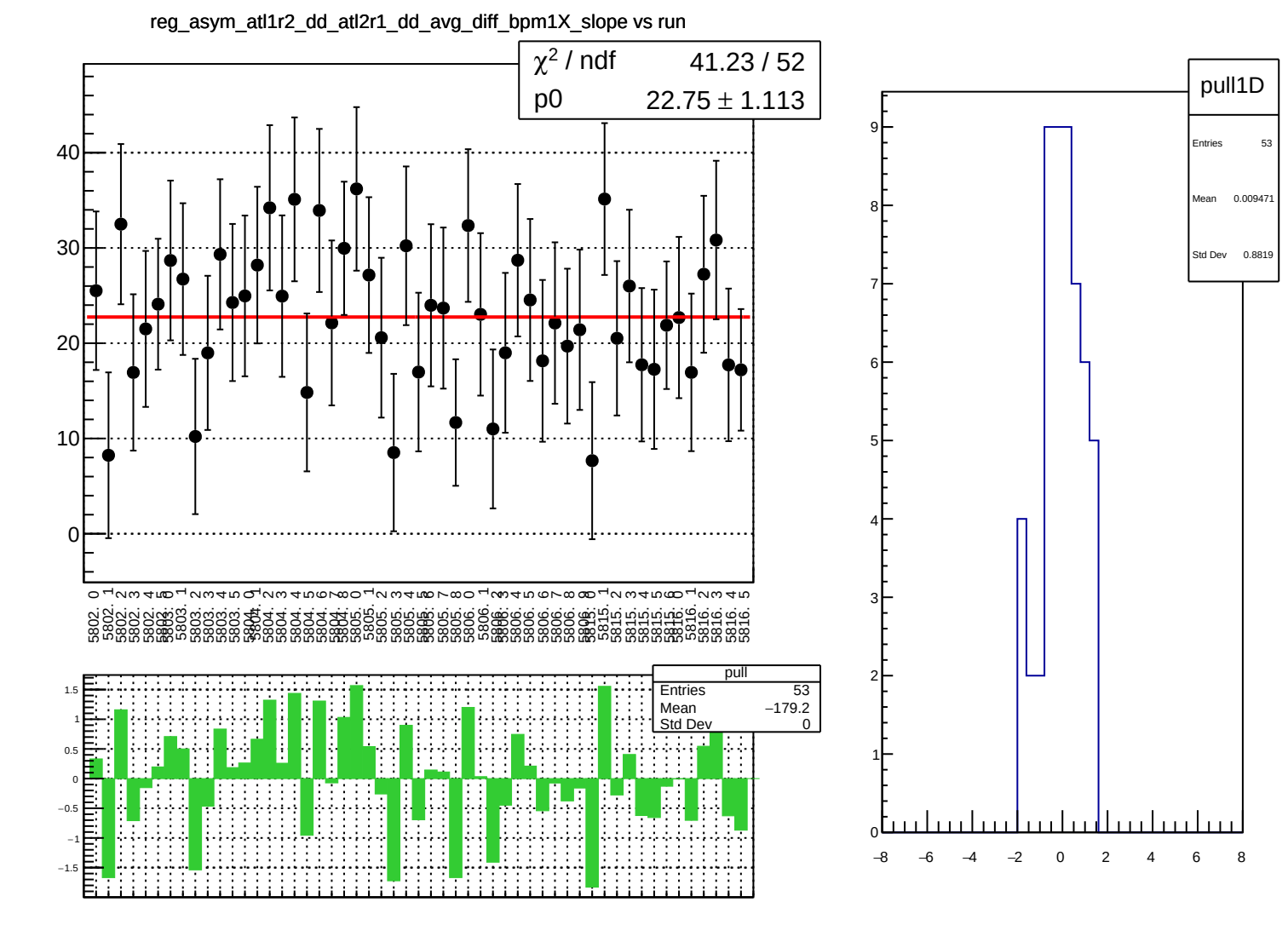

pull1D
Entries 53
Mean 0.009219
Std Dev 0.4353

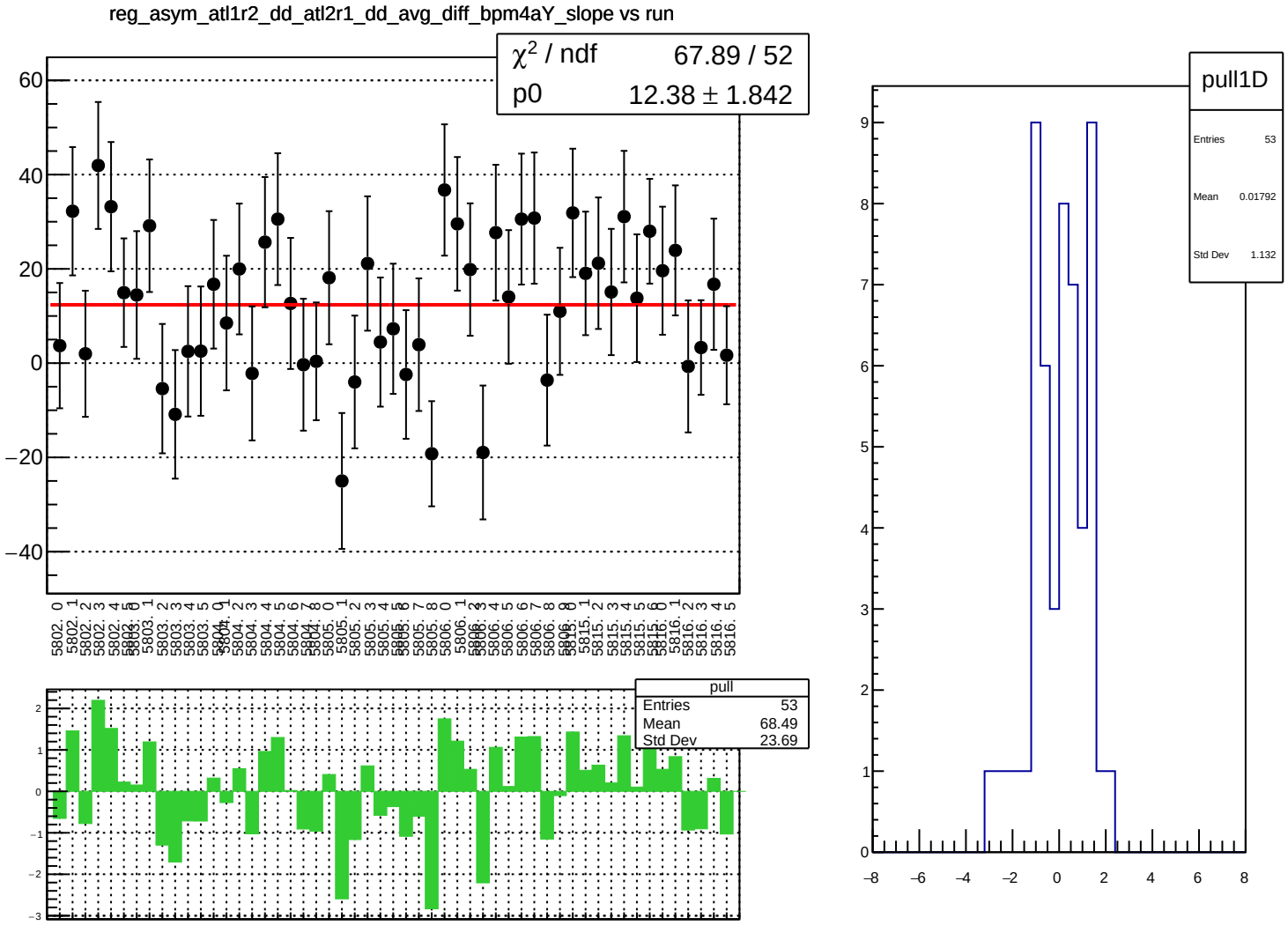

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.26 / 52
p0 4.272 ± 4.519
pull
Entries 53
Mean 672.1
Std Dev 0
pull1D
Entries 53
Mean 0.005039
Std Dev 0.4809

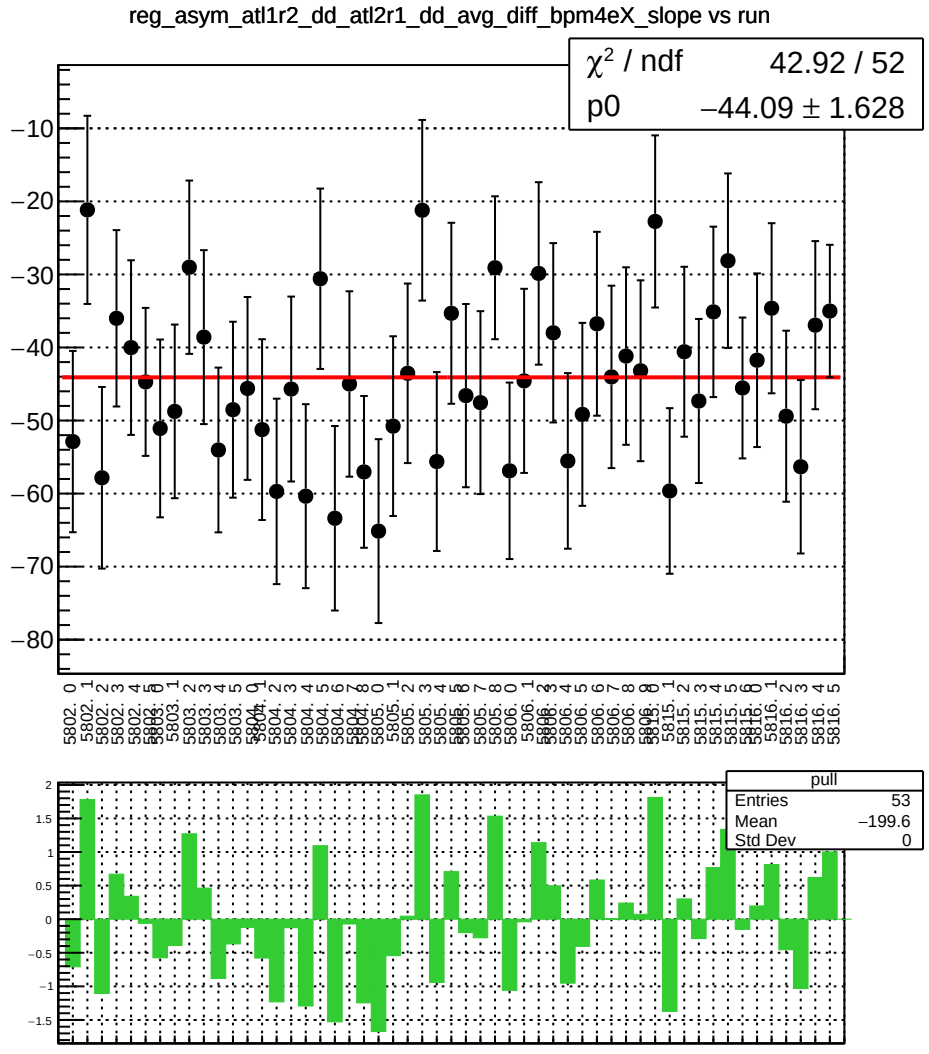

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.36 / 52
p0 −261.8 ± 3.999
pull
Entries 53
Mean −120.3
Std Dev 0
pull1D
Entries 53
Mean −0.01145
Std Dev 0.4419

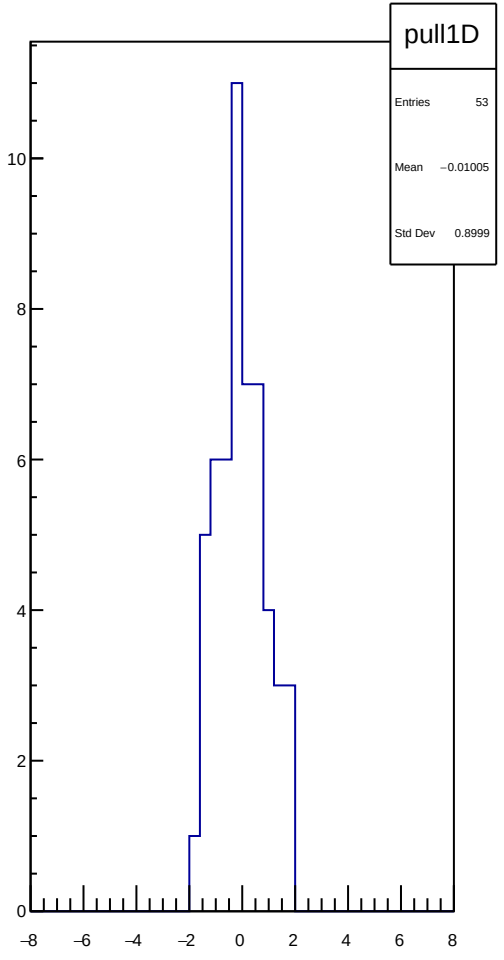

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.3 / 52
p0 −69.48 ± 4.938
pull
Entries 53
Mean 560.1
Std Dev 0
pull1D
Entries 53
Mean −0.005397
Std Dev 0.4616

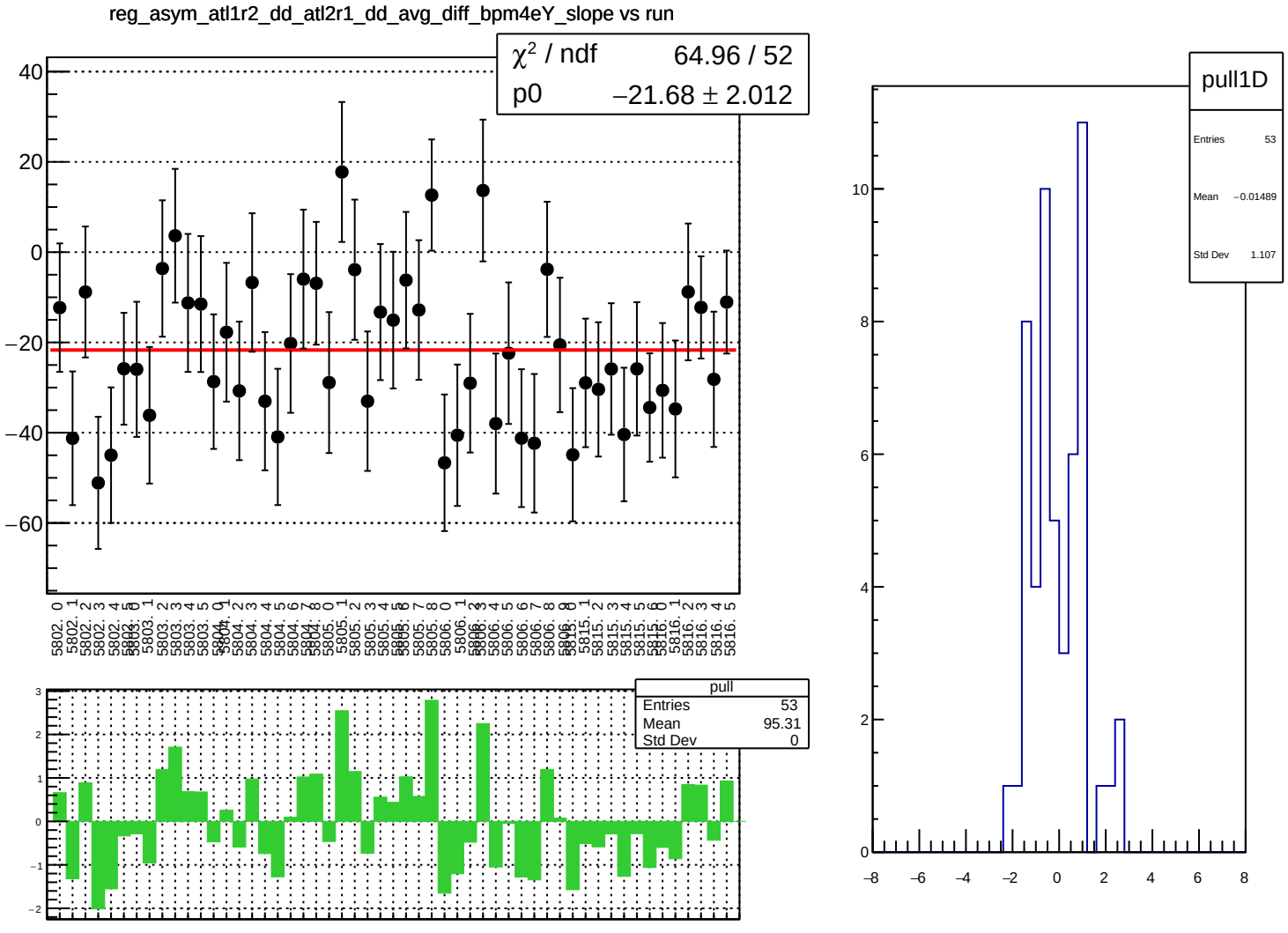

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 12.55 / 52
p0 107.4 ± 0.3127
pull
Entries 53
Mean −498.8
Std Dev 0
pull1D
Entries 53
Mean 0.003699
Std Dev 0.4865

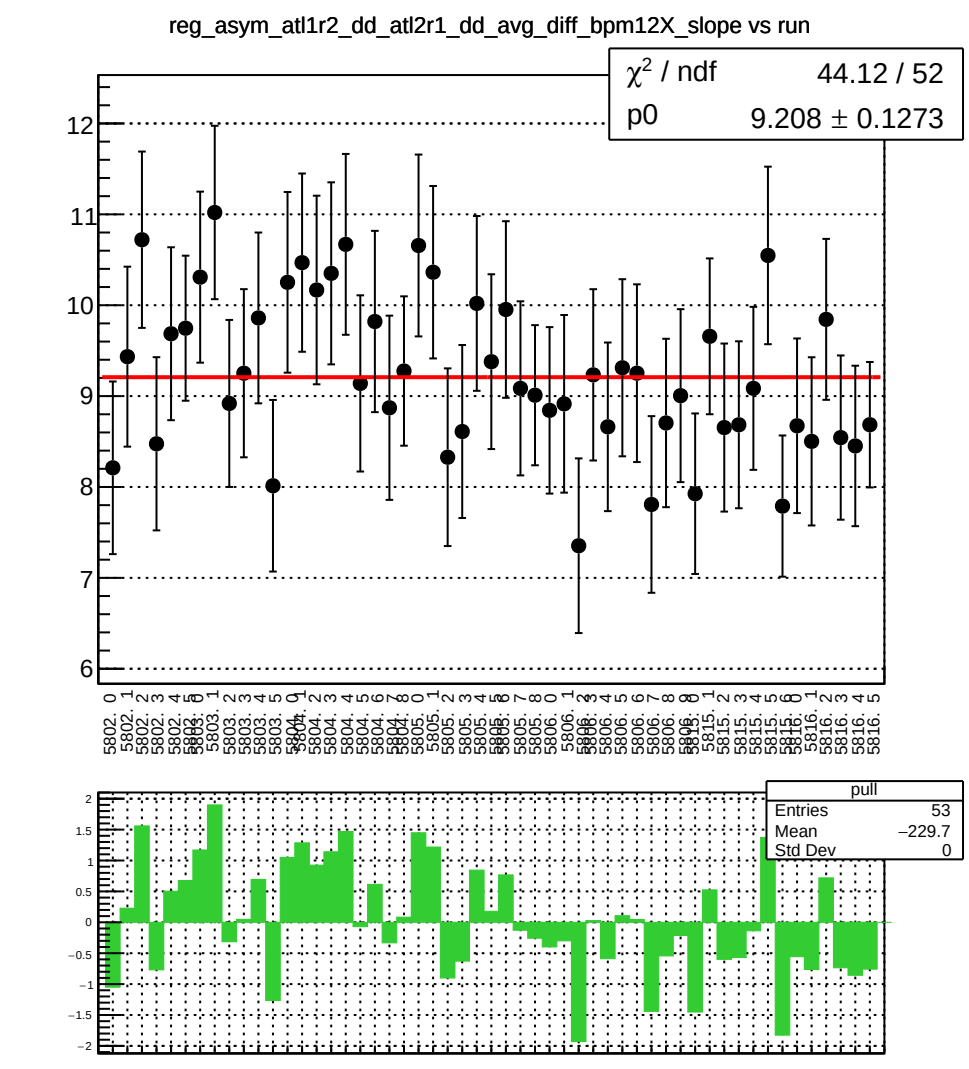

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 41.23 / 52
p0 22.75 ± 1.113
pull
Entries 53
Mean −179.2
Std Dev 0
pull1D
Entries 53
Mean 0.009471
Std Dev 0.8819

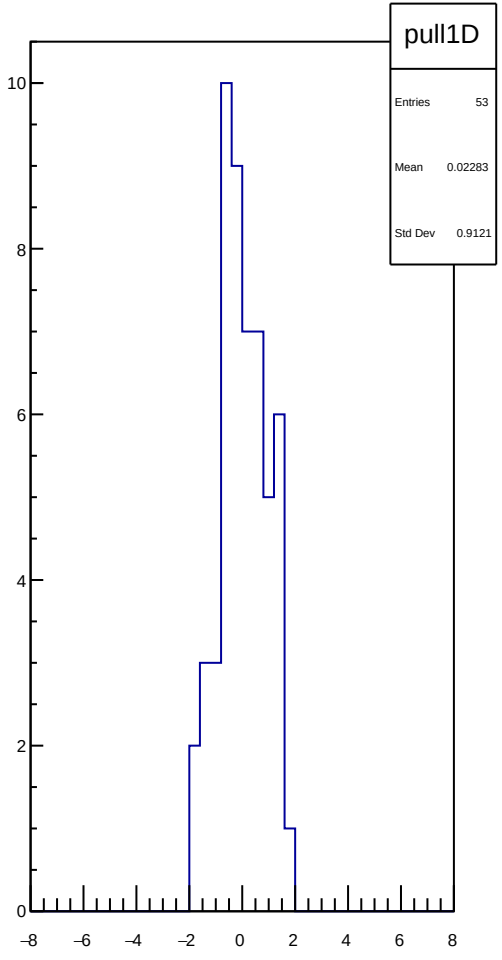

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.89 / 52
p0 12.38 ± 1.842
pull
Entries 53
Mean 68.49
Std Dev 23.69
pull1D
Entries 53
Mean 0.01792
Std Dev 1.132

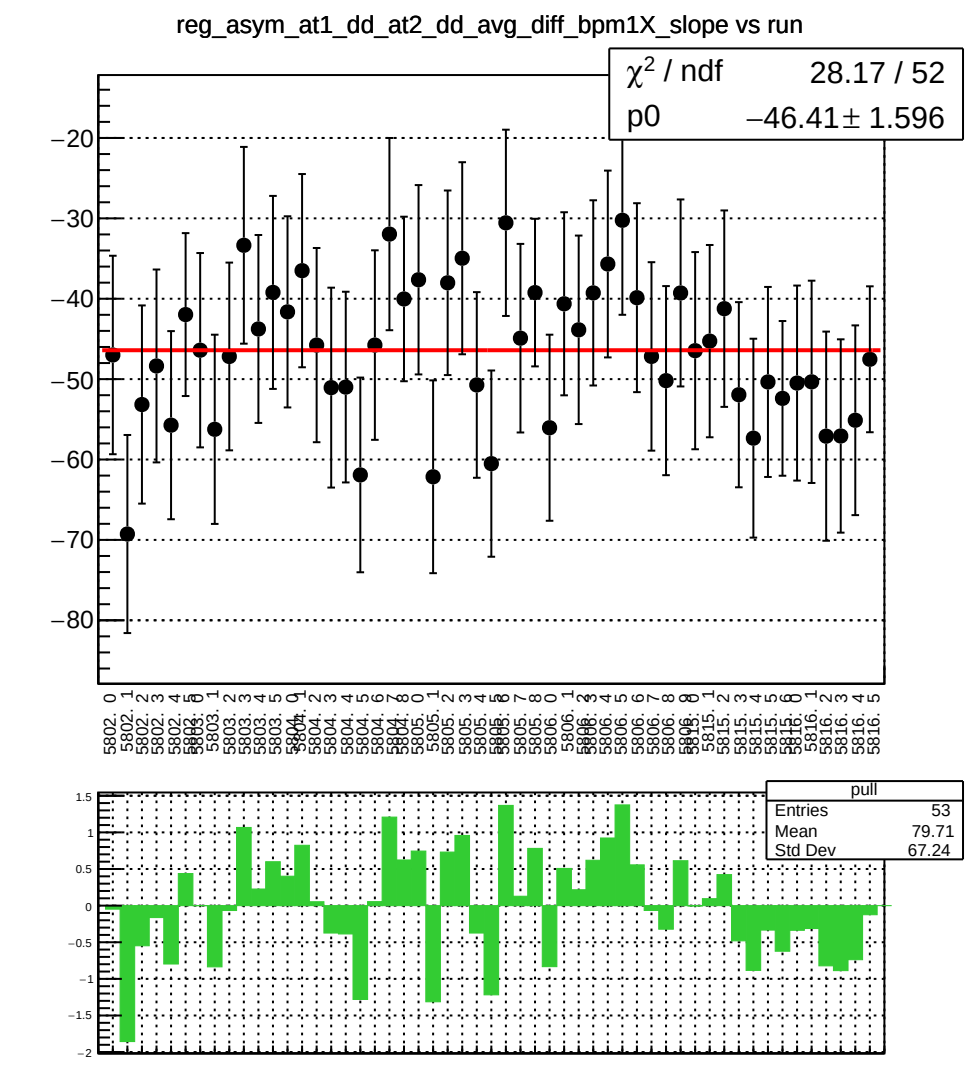

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.92 / 52
p0 −44.09 ± 1.628
pull
Entries 53
Mean −199.6
Std Dev 0

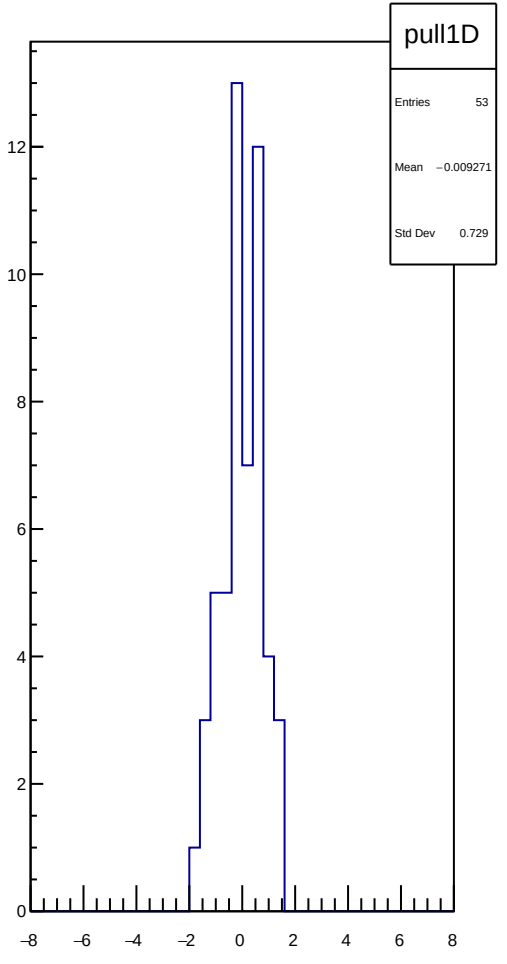

pull1D
Entries 53
Mean −0.01005
Std Dev 0.8999

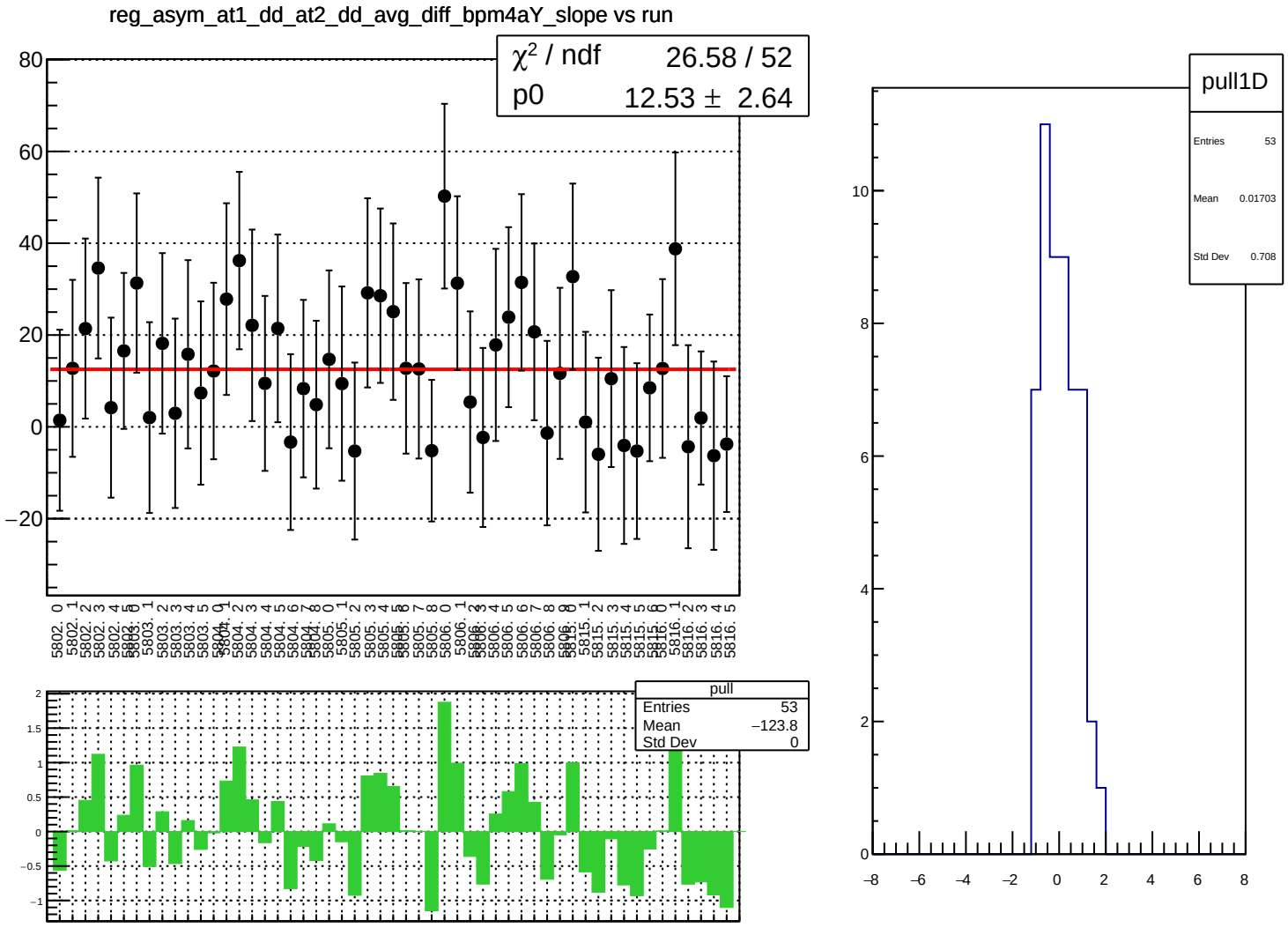

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.96 / 52
p0 −21.68 ± 2.012
pull
Entries 53
Mean 95.31
Std Dev 0
pull1D
Entries 53
Mean −0.01489
Std Dev 1.107

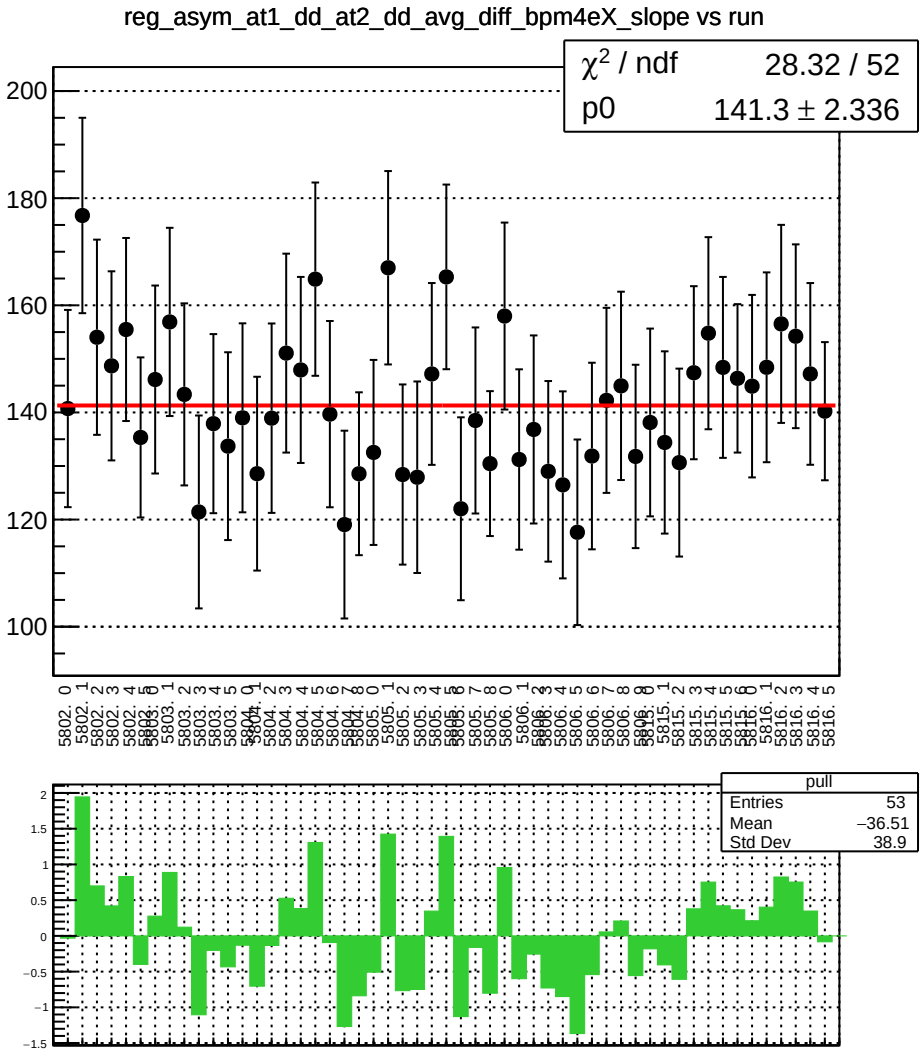

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 44.12 / 52
p0 9.208 ± 0.1273
pull
Entries 53
Mean −229.7
Std Dev 0

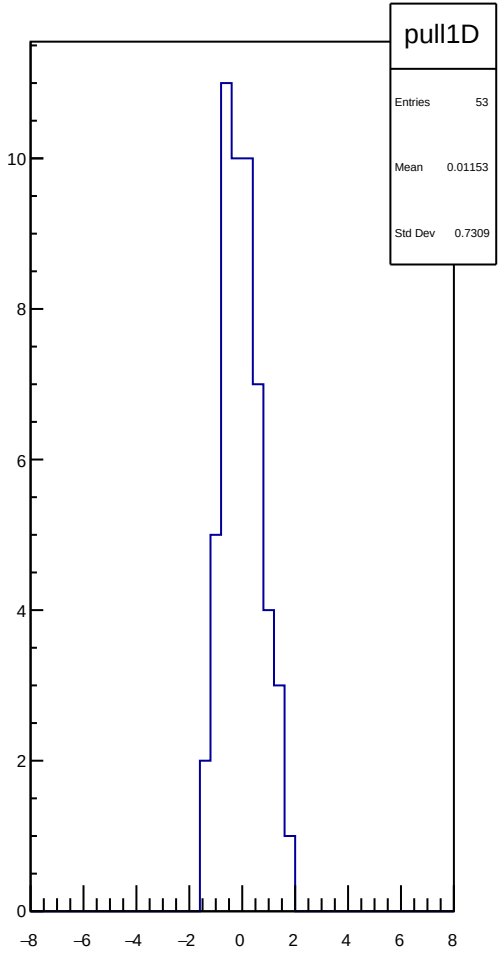

pull1D
Entries 53
Mean 0.02283
Std Dev 0.9121

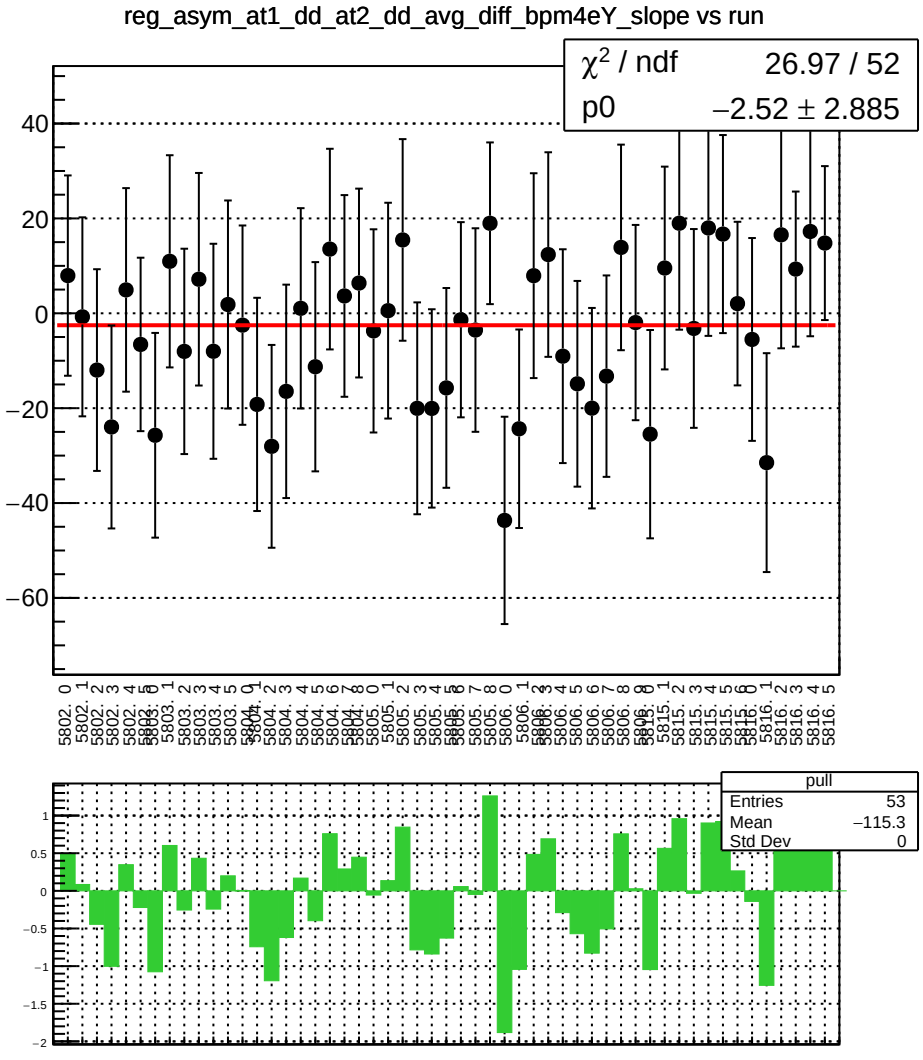

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 28.17 / 52
p0 −46.41 ± 1.596
pull
Entries 53
Mean 79.71
Std Dev 67.24

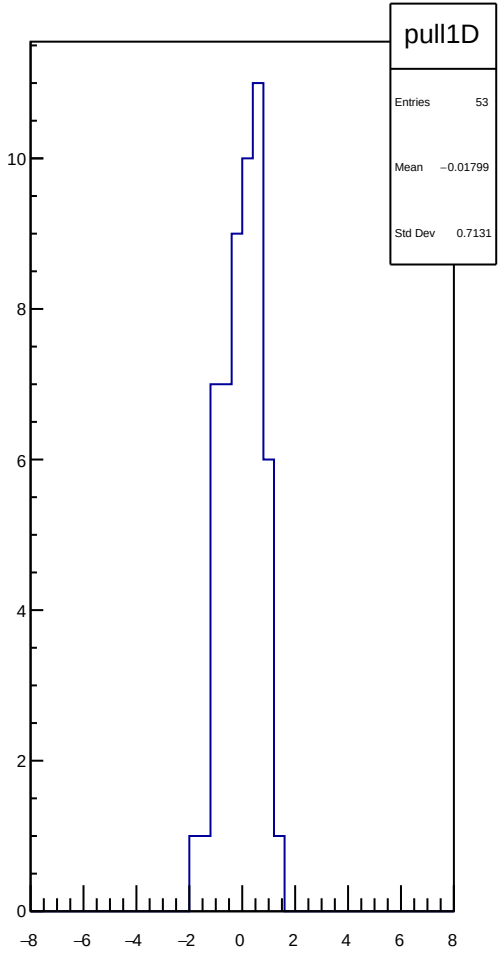

pull1D
Entries 53
Mean −0.009271
Std Dev 0.729

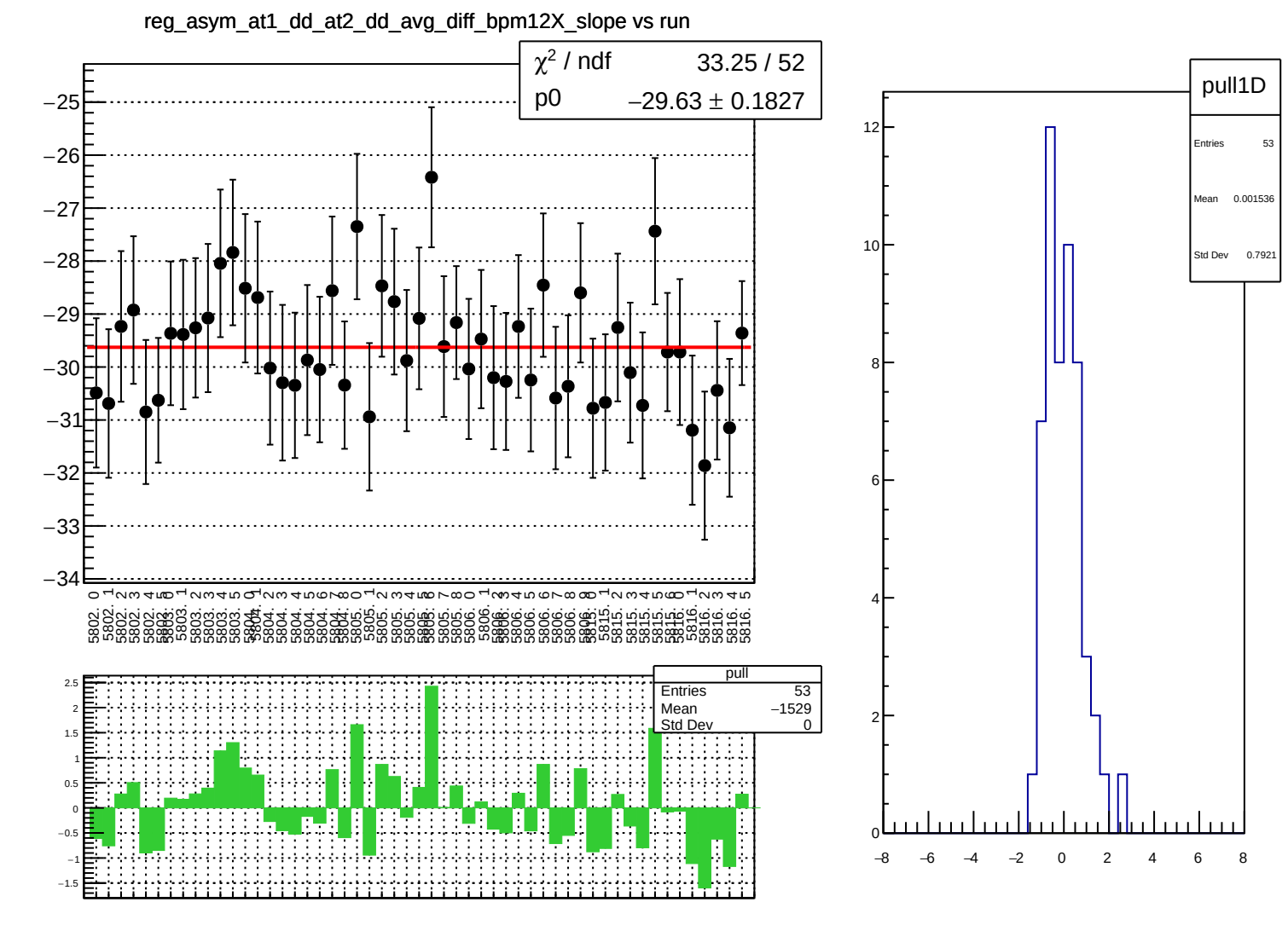

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.58 / 52
p0 12.53 ± 2.64
pull
Entries 53
Mean −123.8
Std Dev 0
pull1D
Entries 53
Mean 0.01703
Std Dev 0.708

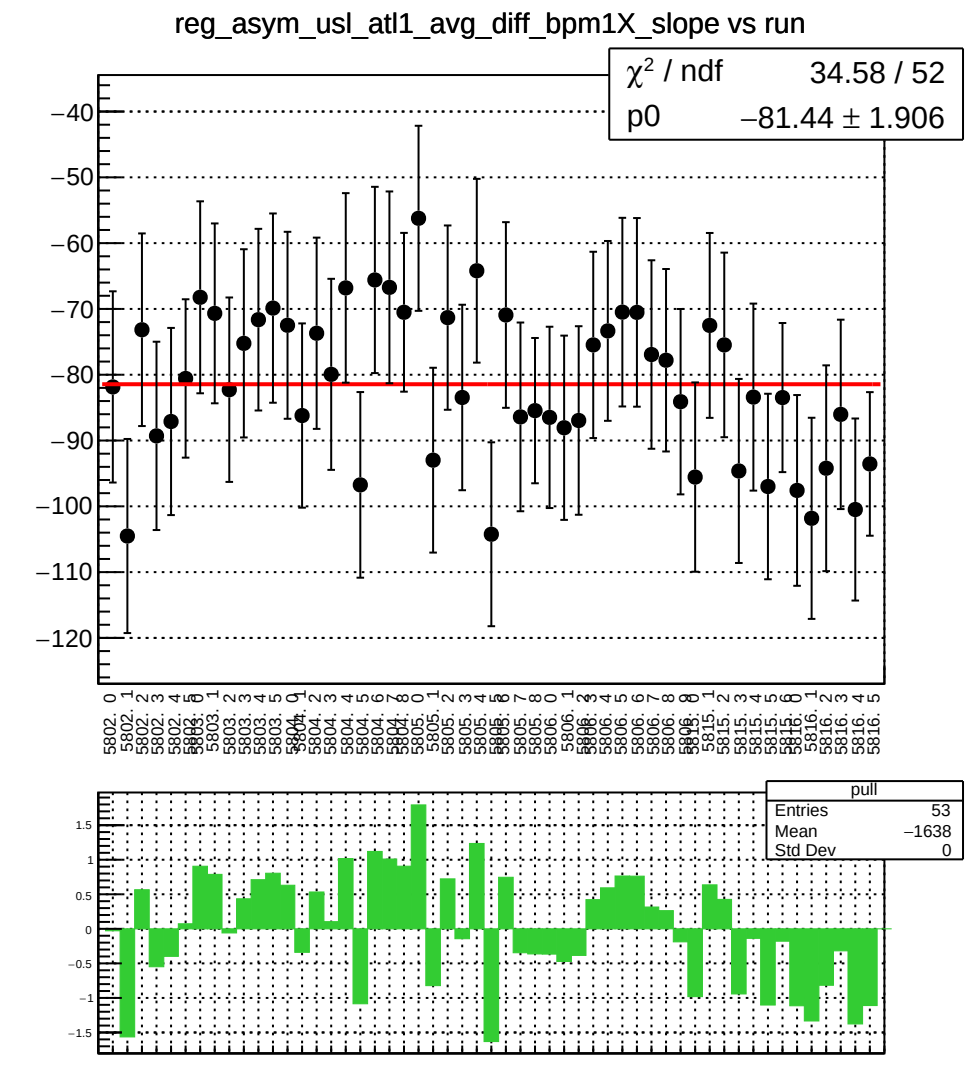

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.32 / 52
p0 141.3 ± 2.336
200
180
160
140
120
100
pull
Entries 53
Mean −36.51
Std Dev 38.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

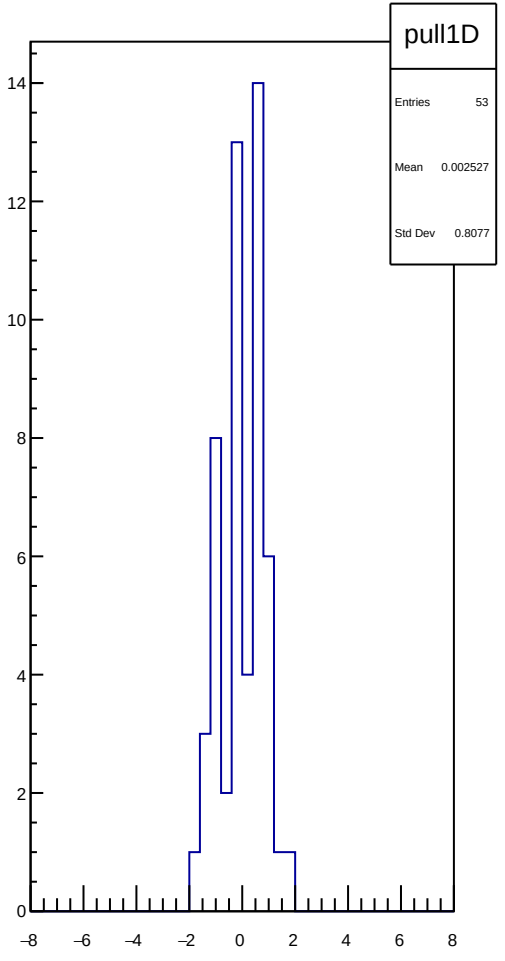

pull1D
Entries 53
Mean 0.01153
Std Dev 0.7309
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

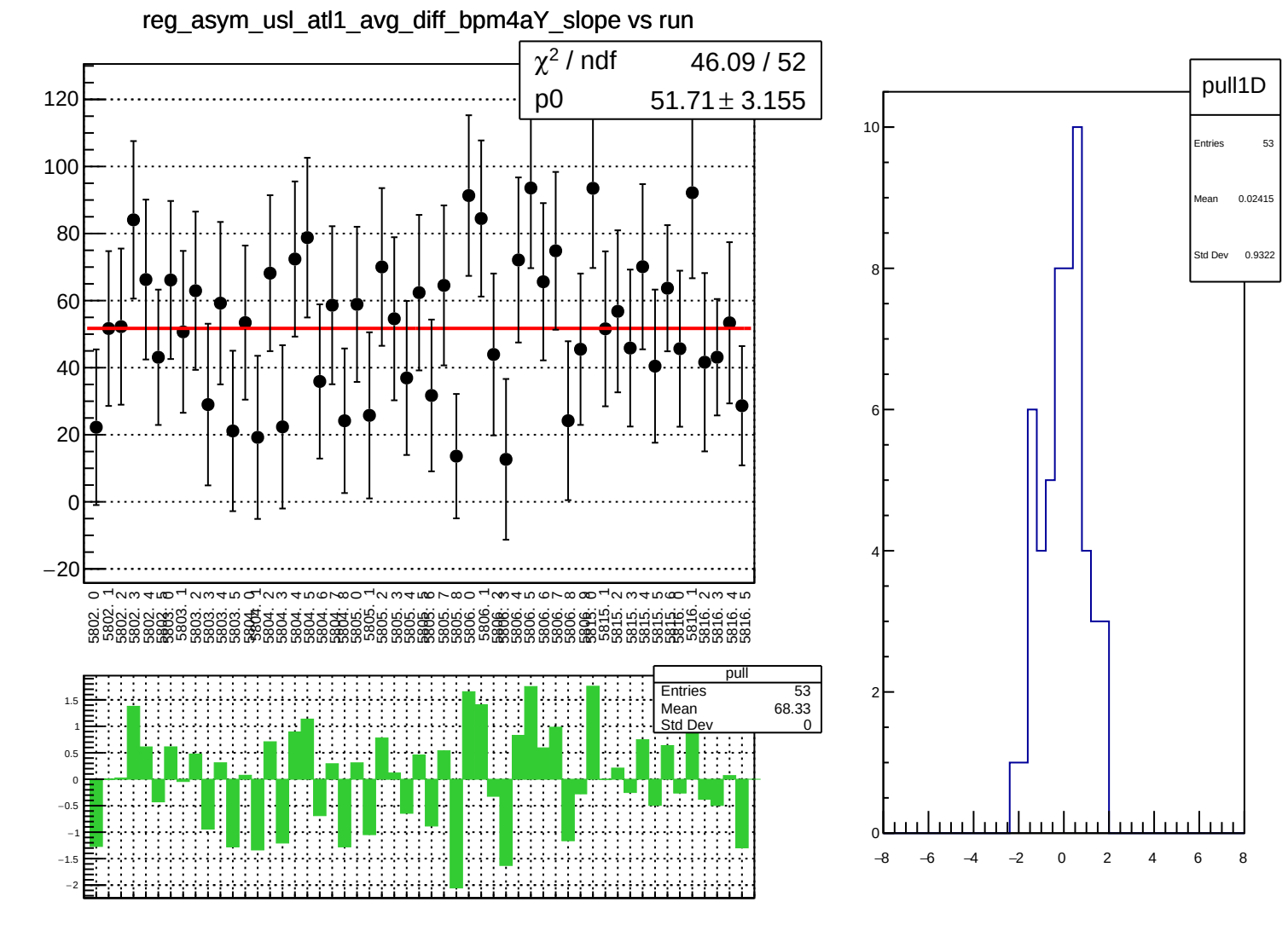

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.97 / 52
p0 −2.52 ± 2.885
pull
Entries 53
Mean −115.3
Std Dev 0

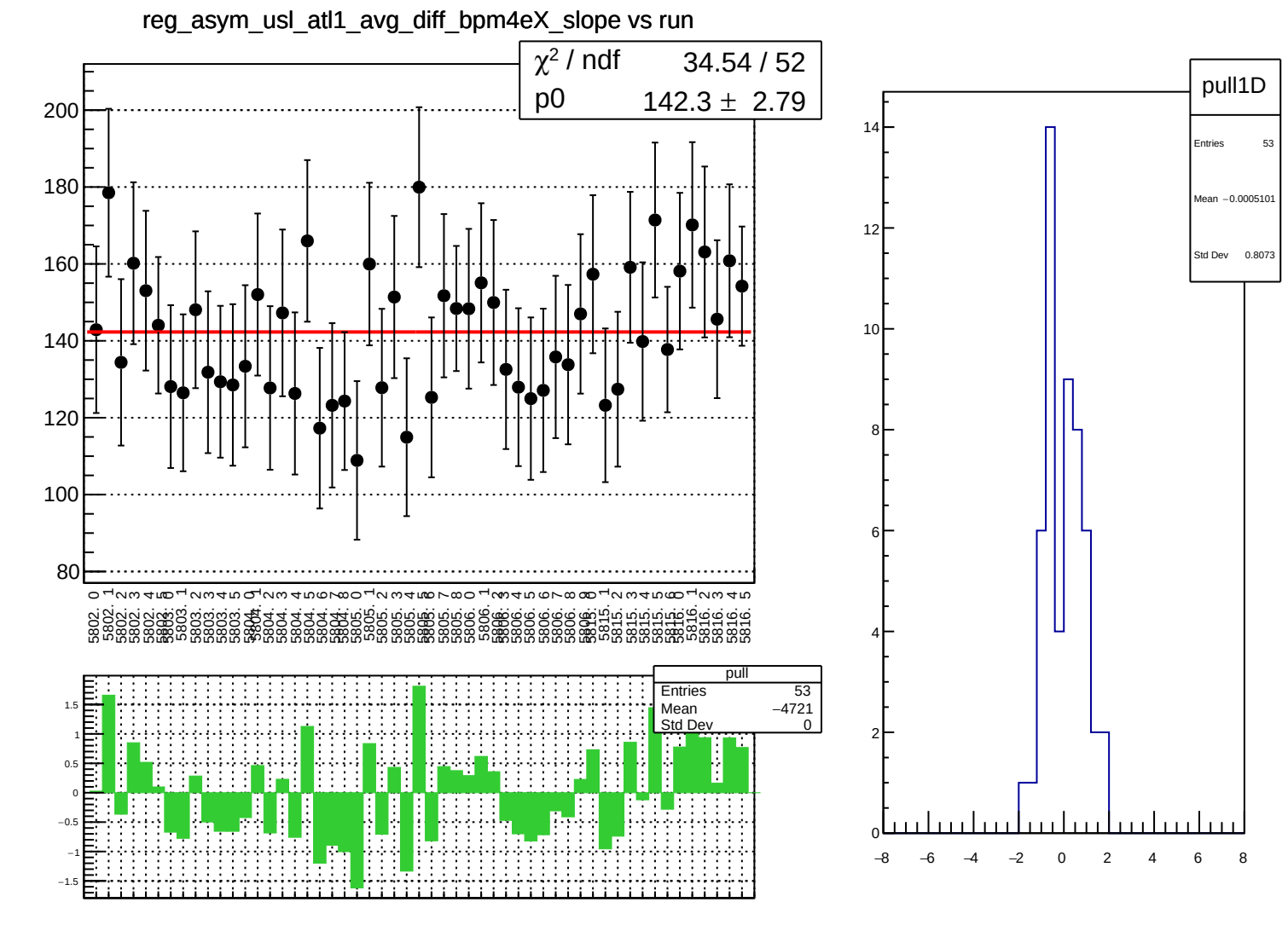

pull1D
Entries 53
Mean −0.01799
Std Dev 0.7131

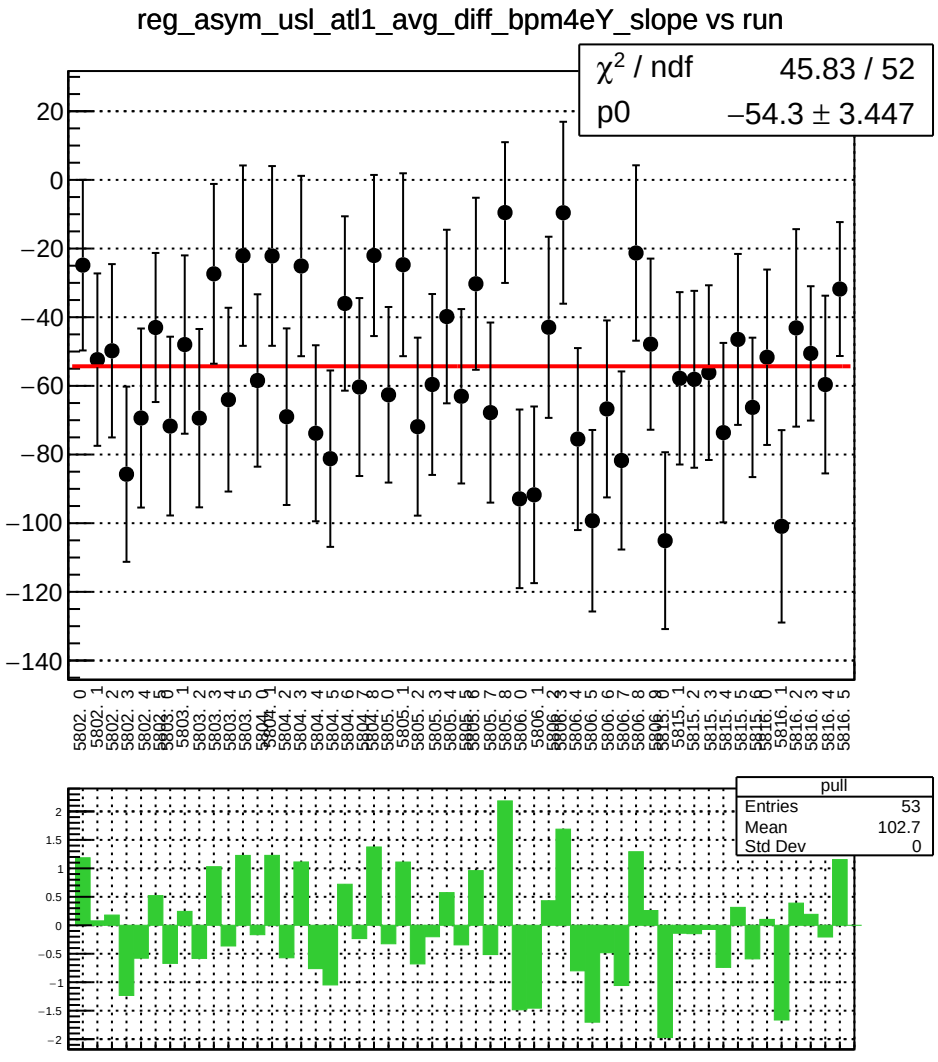

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 33.25 / 52
p0 −29.63 ± 0.1827
pull
Entries 53
Mean −1529
Std Dev 0
pull1D
Entries 53
Mean 0.001536
Std Dev 0.7921

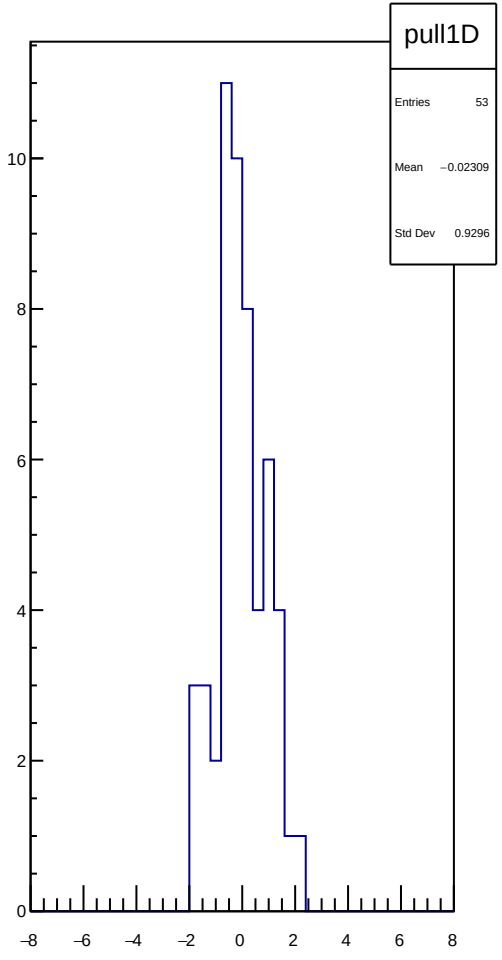

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 34.58 / 52
p0 −81.44 ± 1.906
pull
Entries 53
Mean −1638
Std Dev 0

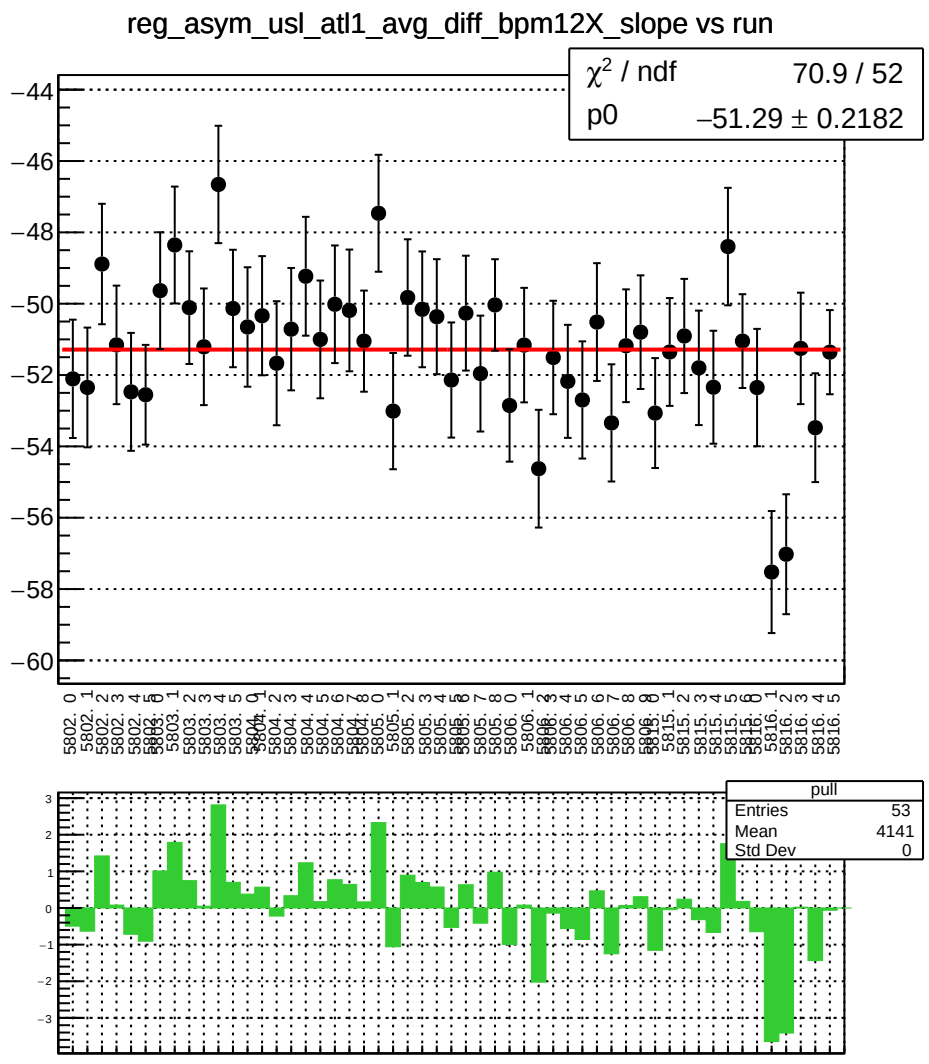

pull1D
Entries 53
Mean 0.002527
Std Dev 0.8077

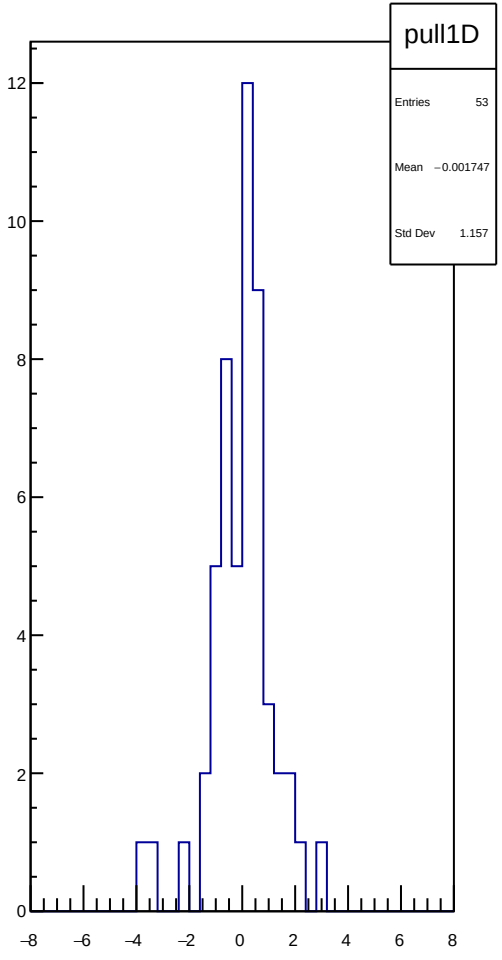

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.09 / 52
p0 51.71 ± 3.155
pull
Entries 53
Mean 68.33
Std Dev 0
pull1D
Entries 53
Mean 0.02415
Std Dev 0.9322

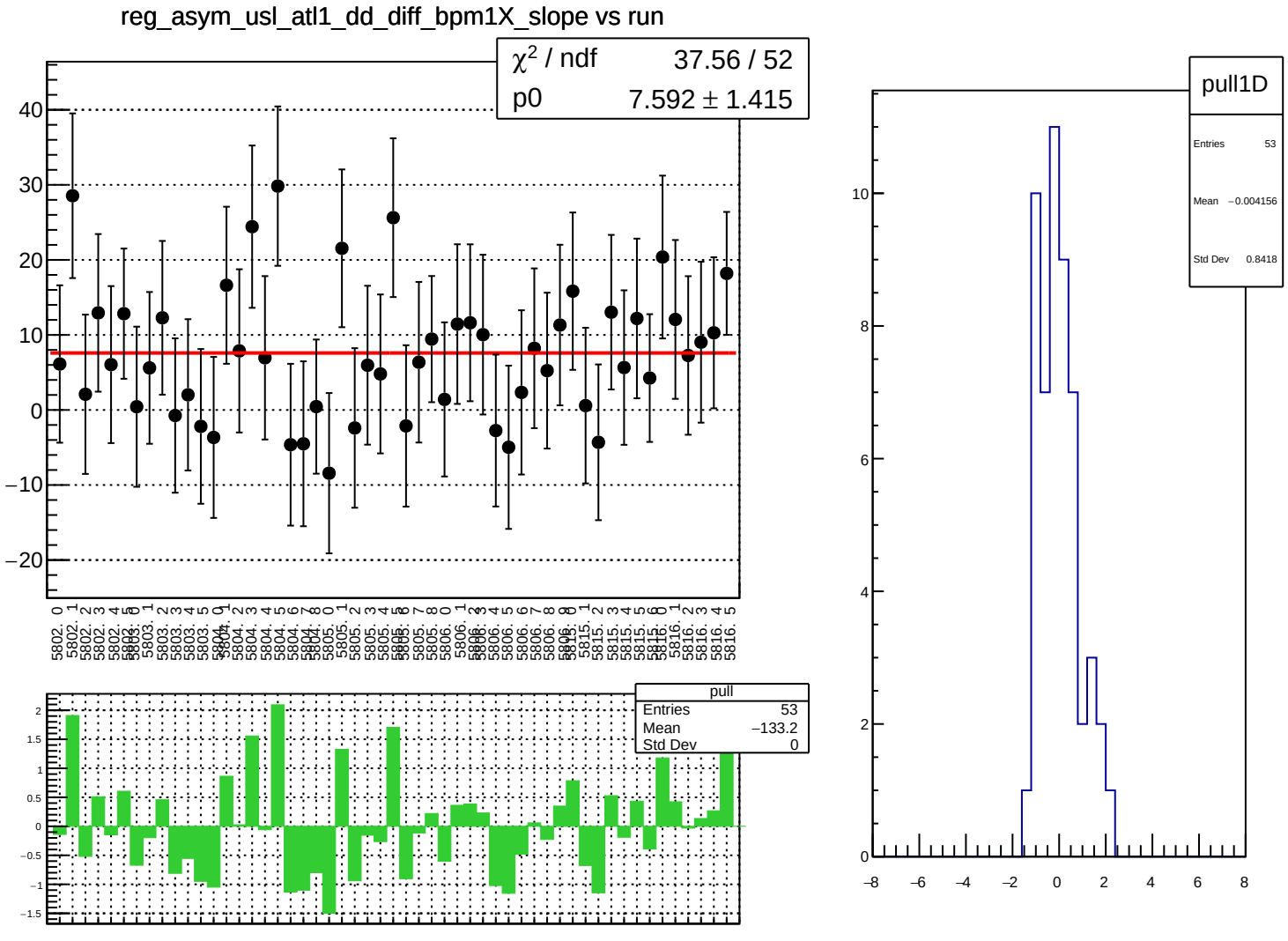

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.54 / 52
p0 142.3 ± 2.79
pull
Entries 53
Mean −4721
Std Dev 0
pull1D
Entries 53
Mean −0.0005101
Std Dev 0.8073

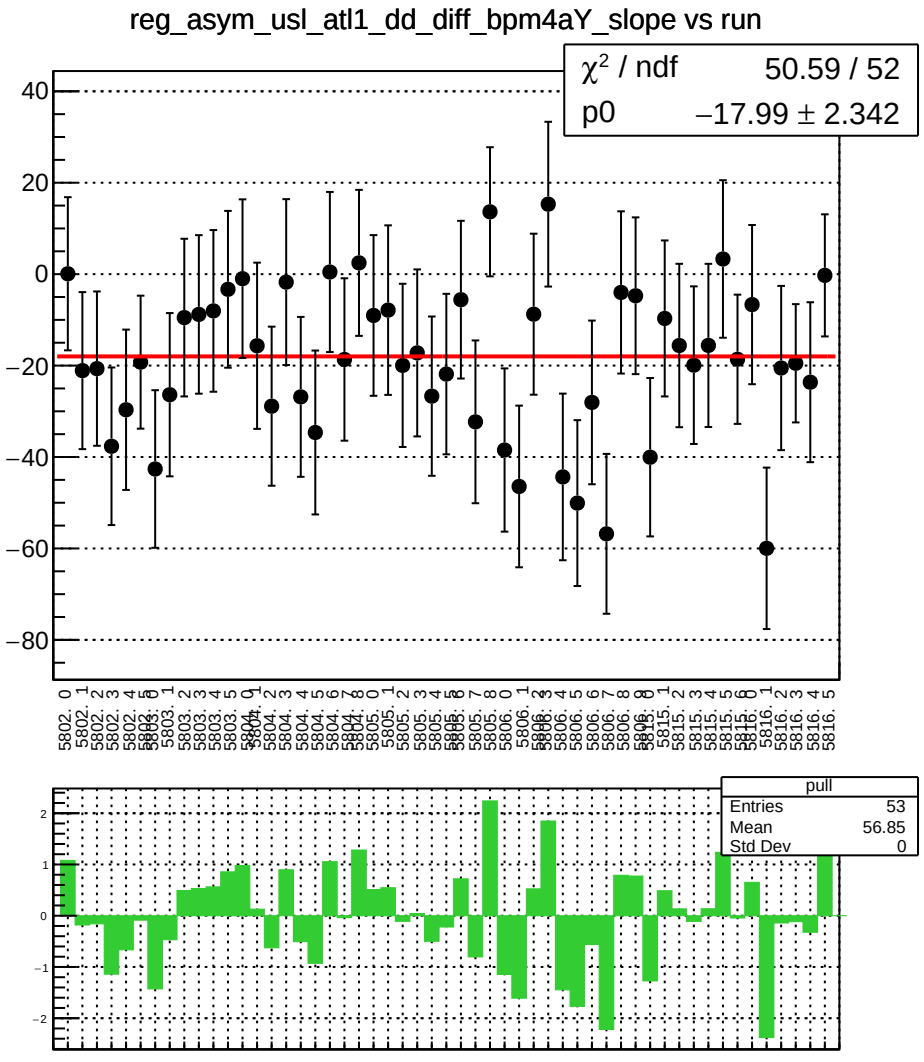

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.83 / 52
p0 −54.3 ± 3.447
pull
Entries 53
Mean 102.7
Std Dev 0

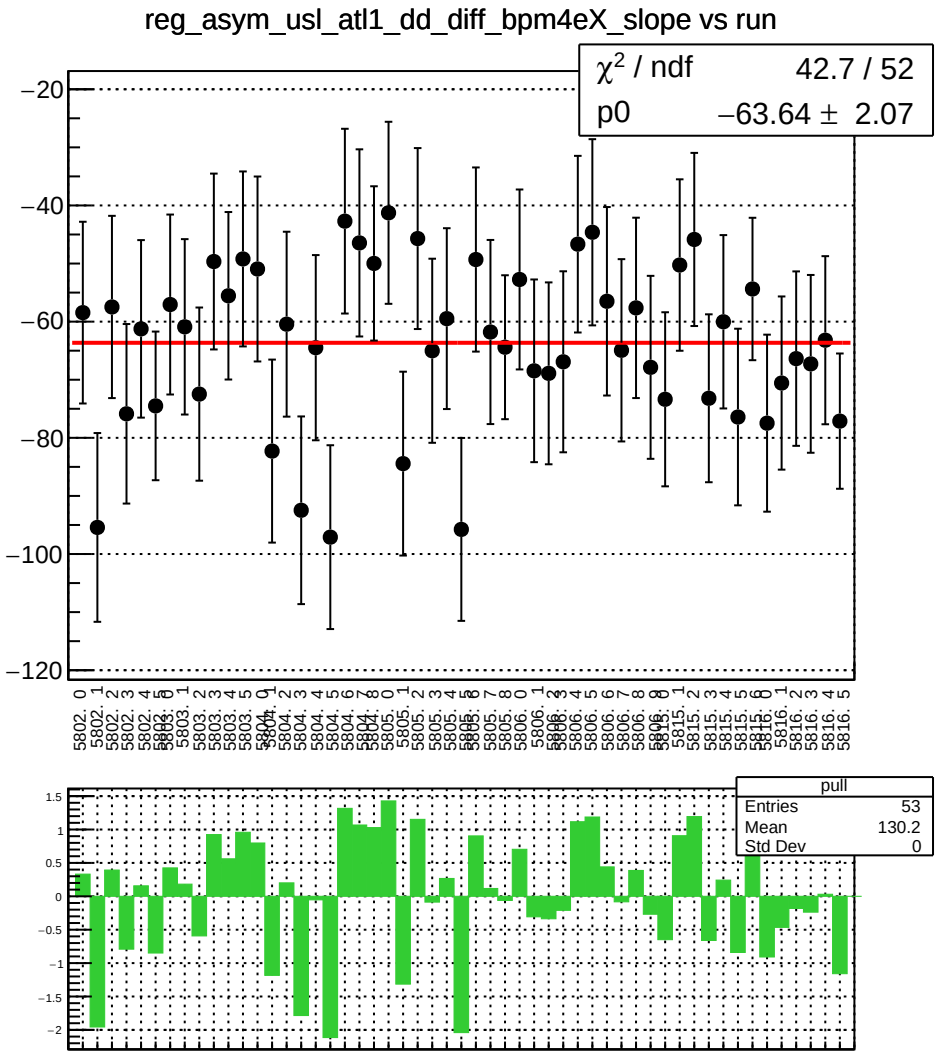

pull1D
Entries 53
Mean −0.02309
Std Dev 0.9296

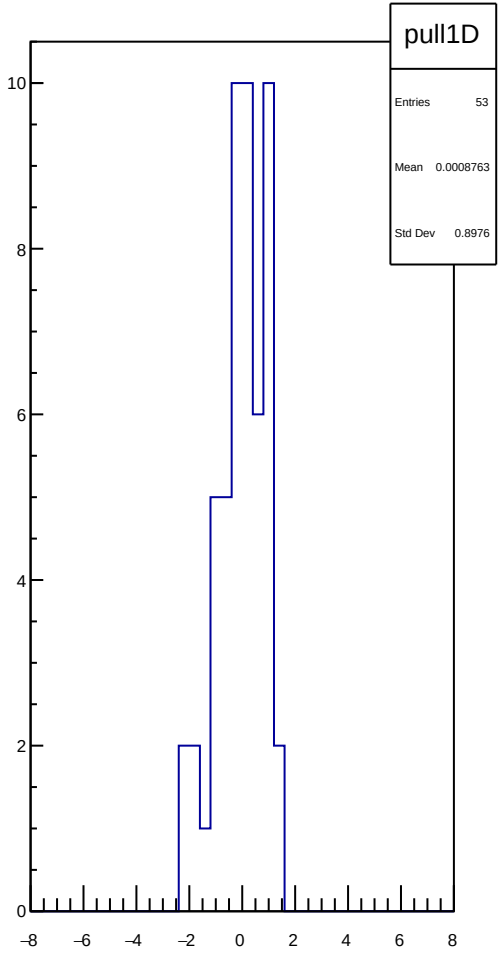

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 70.9 / 52
p0 −51.29 ± 0.2182
pull
Entries 53
Mean 4141
Std Dev 0

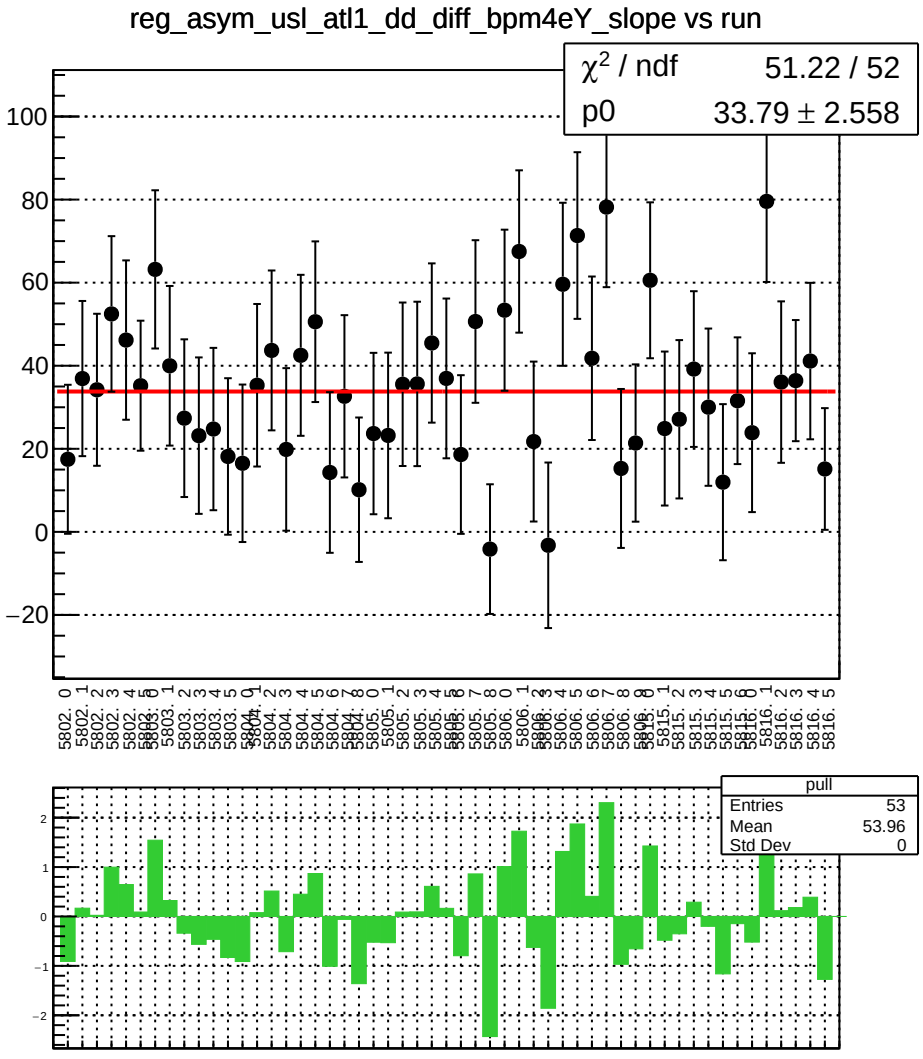

pull1D
Entries 53
Mean −0.001747
Std Dev 1.157

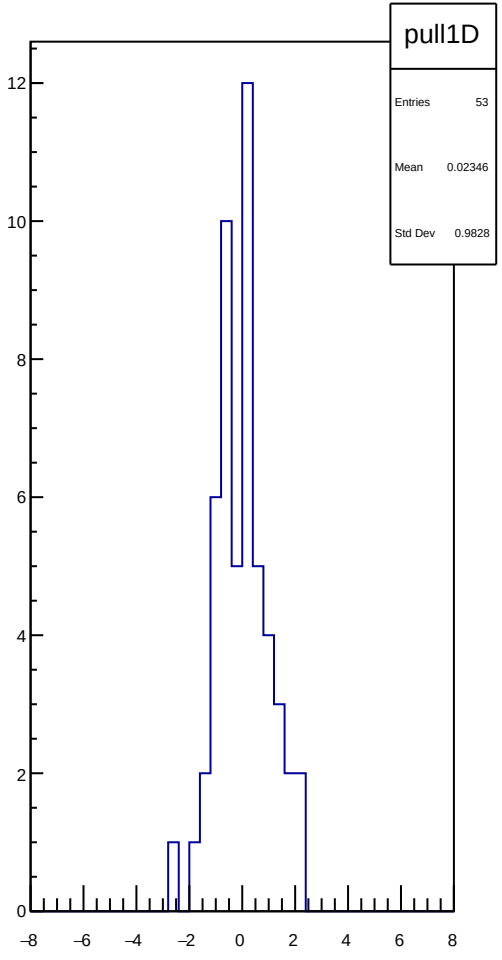

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 37.56 / 52
p0 7.592 ± 1.415
pull
Entries 53
Mean −133.2
Std Dev 0
pull1D
Entries 53
Mean −0.004156
Std Dev 0.8418

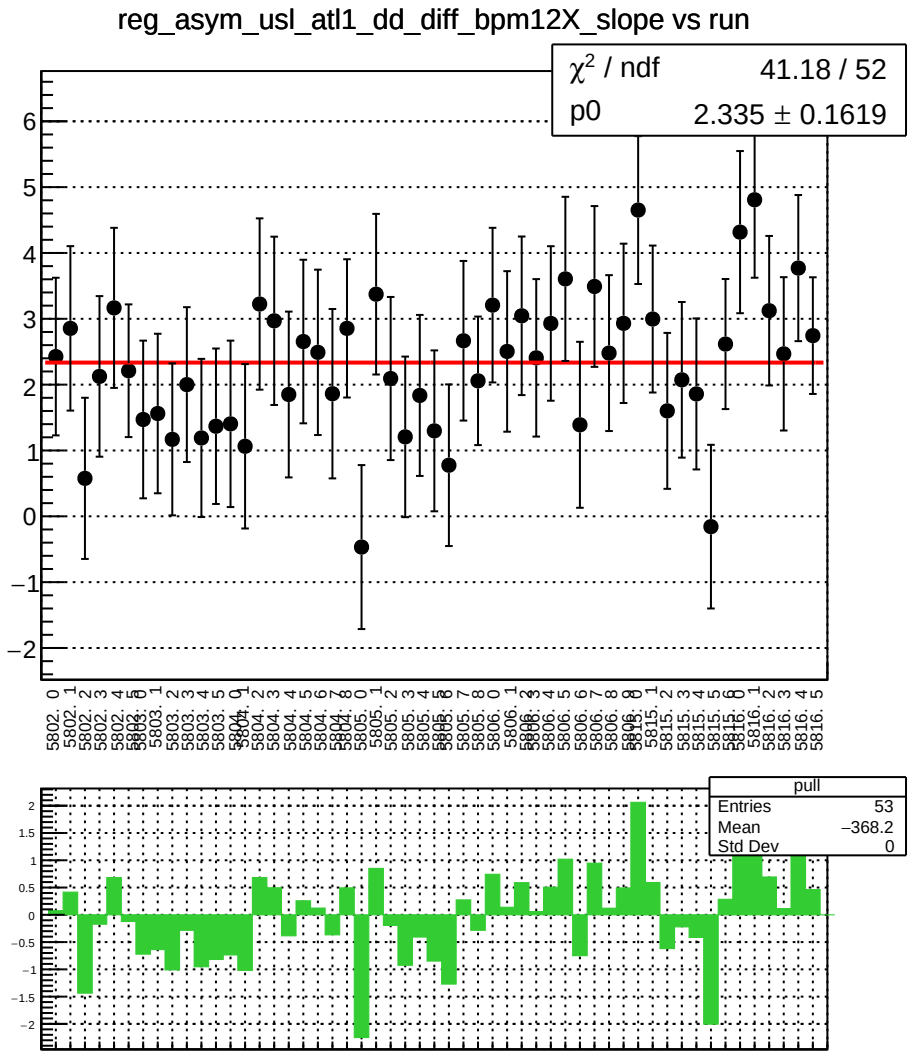

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.59 / 52
p0 −17.99 ± 2.342
pull
Entries 53
Mean 56.85
Std Dev 0
pull1D
Entries 53
Mean −0.02215
Std Dev 0.9768

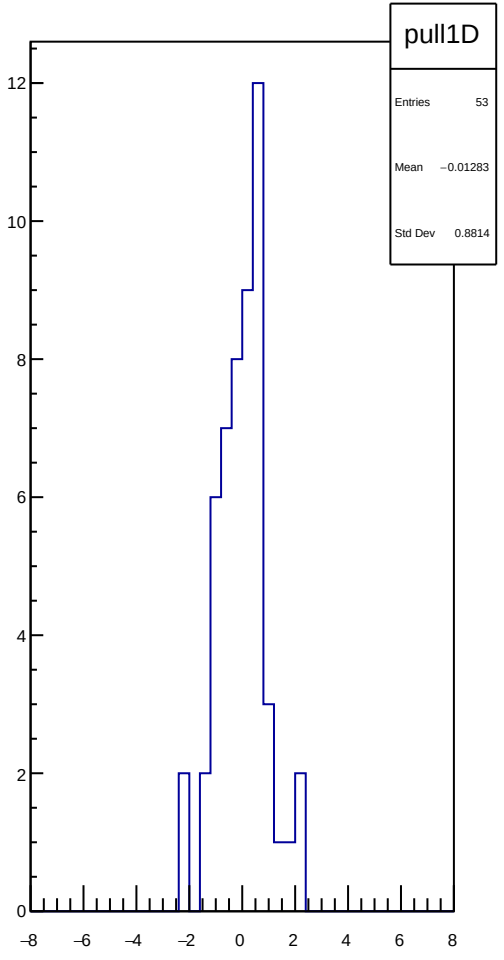

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.7 / 52
p0 −63.64 ± 2.07
pull
Entries 53
Mean 130.2
Std Dev 0

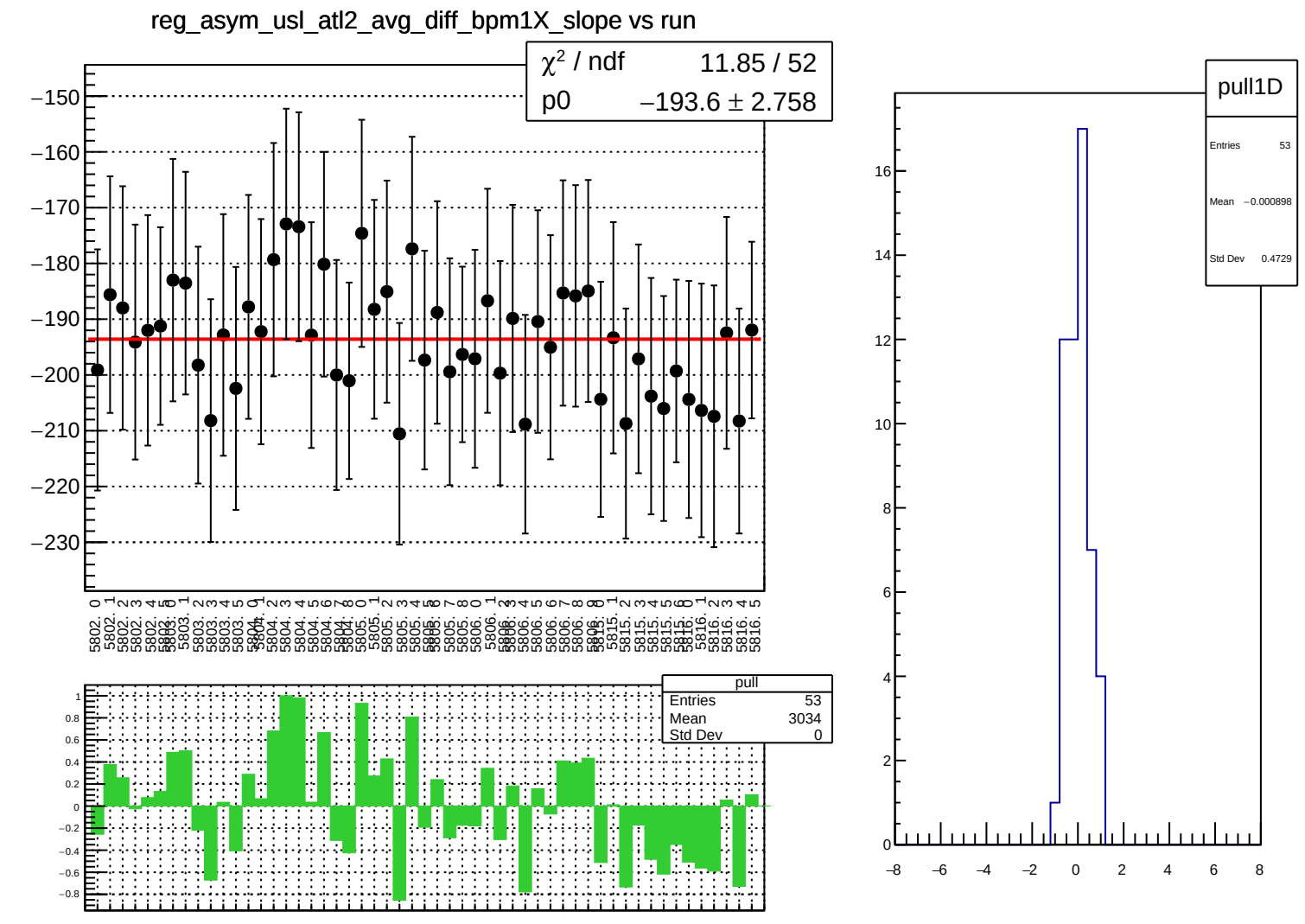

pull1D
Entries 53
Mean 0.0008763
Std Dev 0.8976

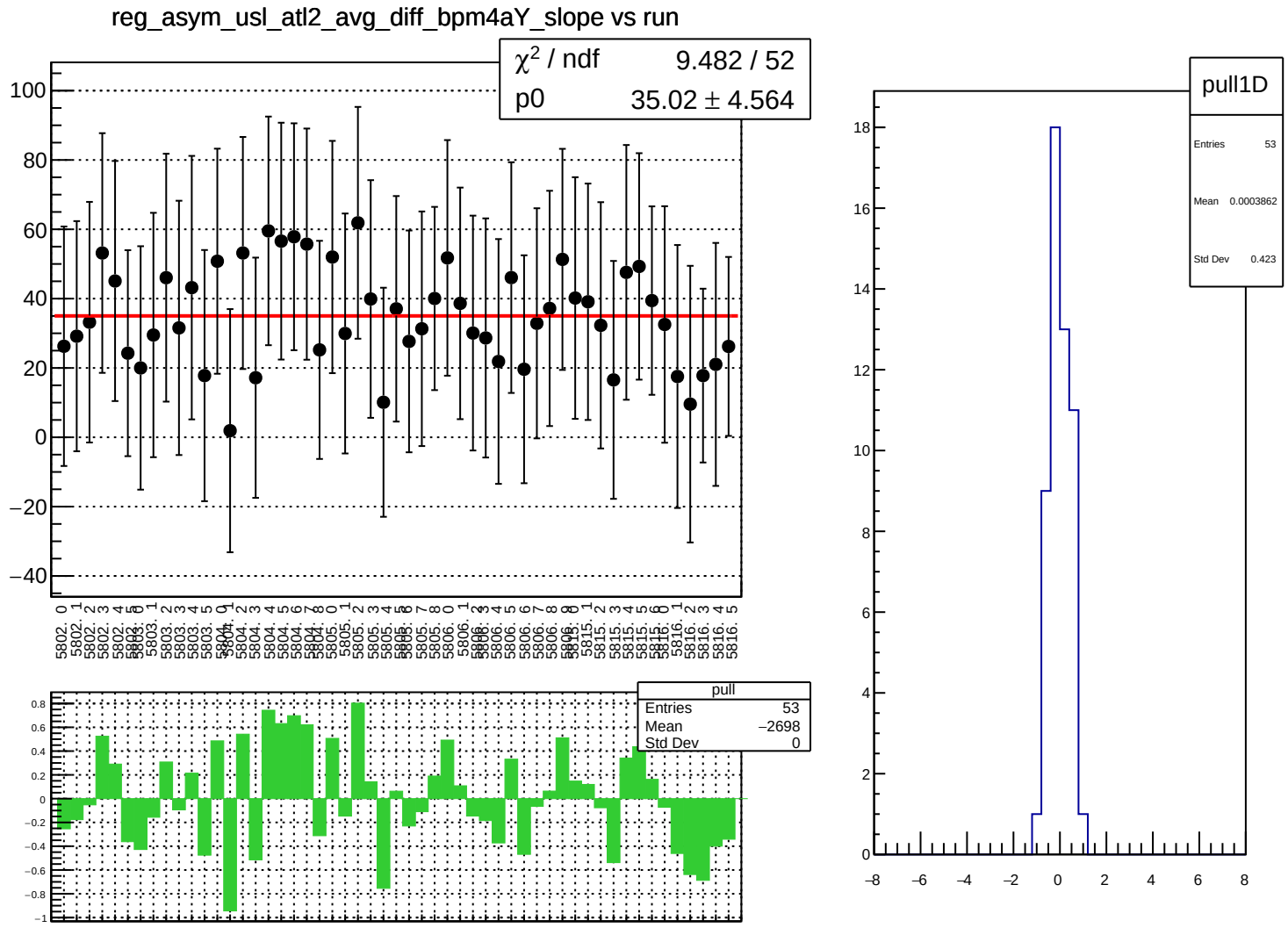

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.22 / 52
p0 33.79 ± 2.558
pull
Entries 53
Mean 53.96
Std Dev 0

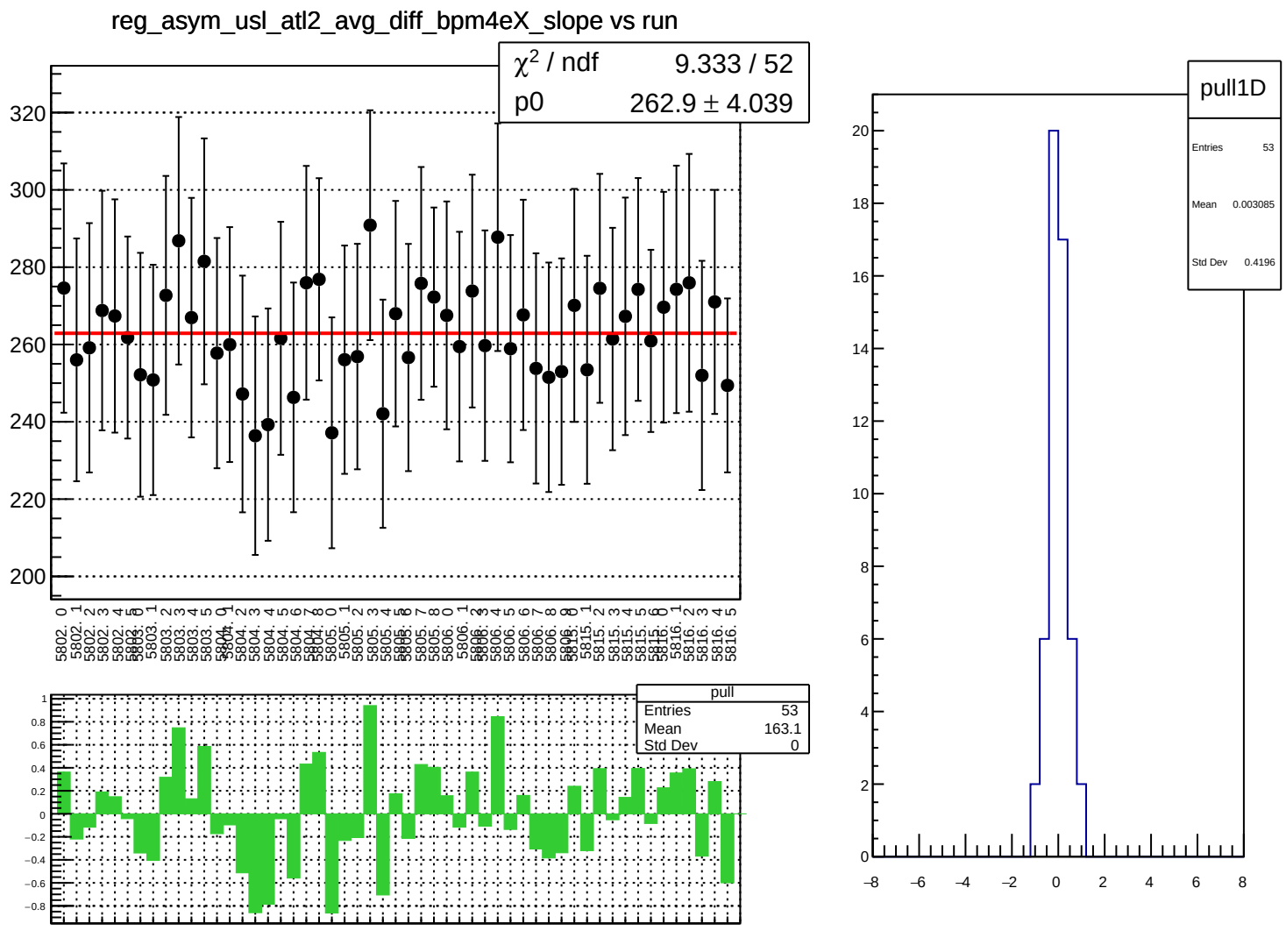

pull1D
Entries 53
Mean 0.02346
Std Dev 0.9828

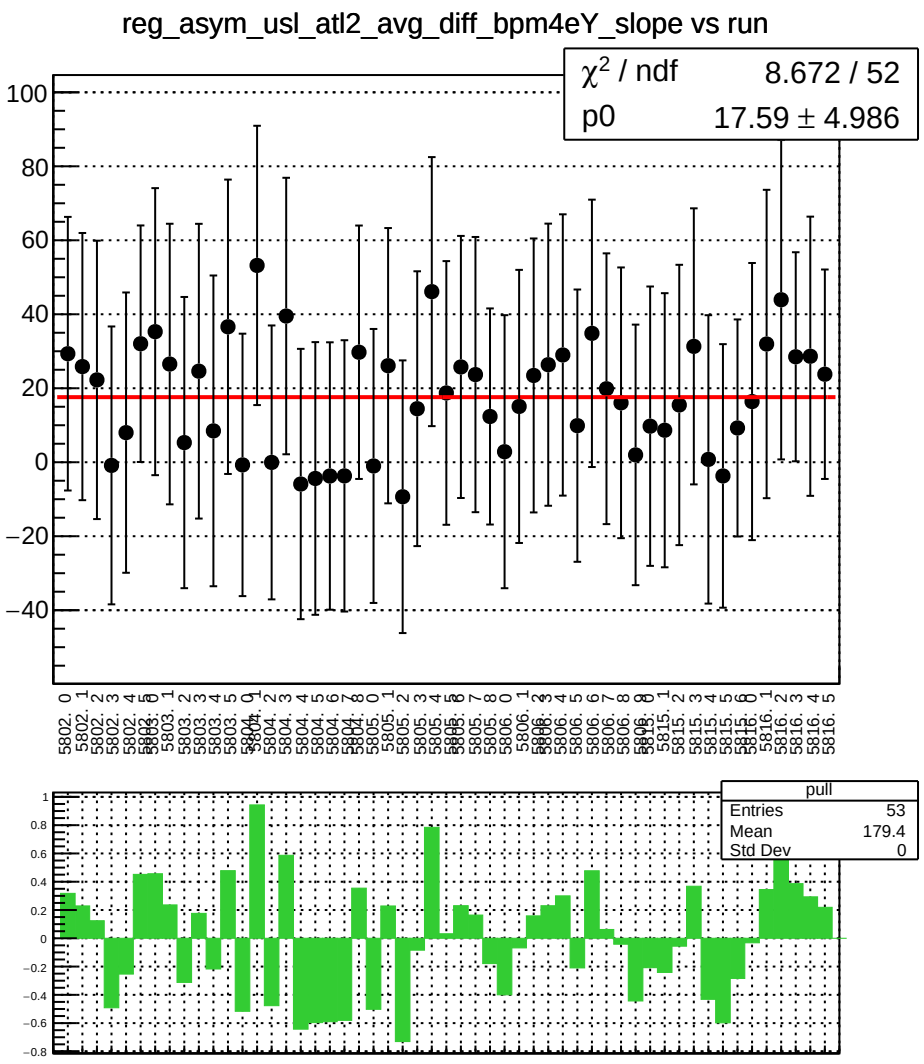

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 41.18 / 52
p0 2.335 ± 0.1619
pull
Entries 53
Mean −368.2
Std Dev 0

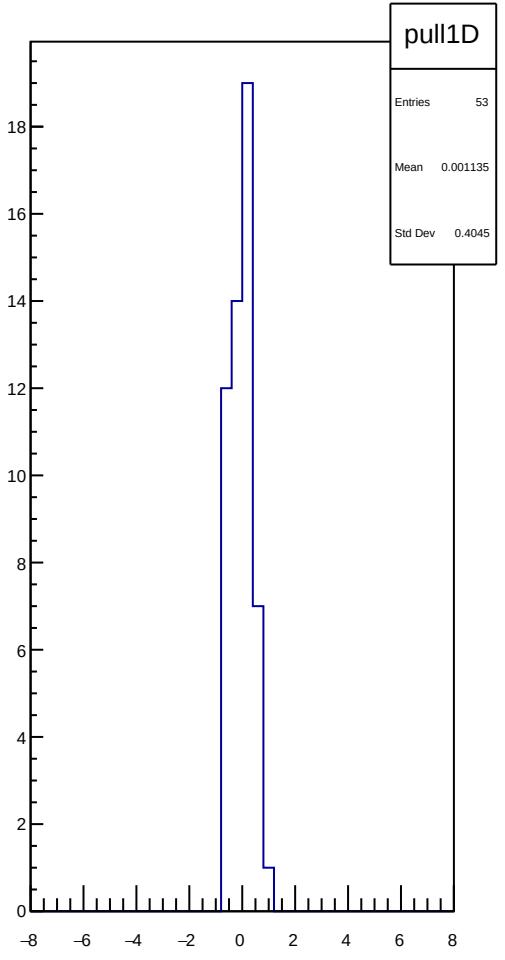

pull1D
Entries 53
Mean −0.01283
Std Dev 0.8814

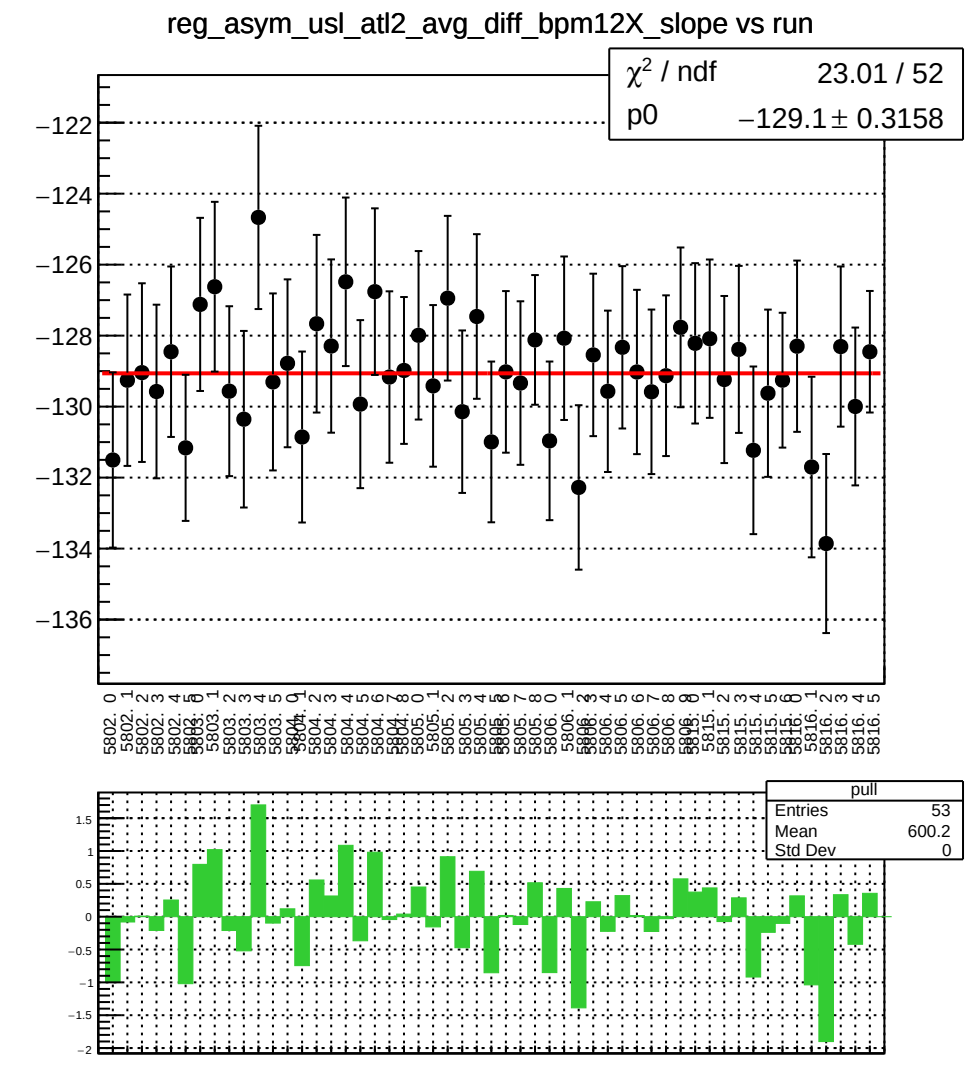

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 11.85 / 52
p0 −193.6 ± 2.758
pull
Entries 53
Mean 3034
Std Dev 0
pull1D
Entries 53
Mean −0.000898
Std Dev 0.4729

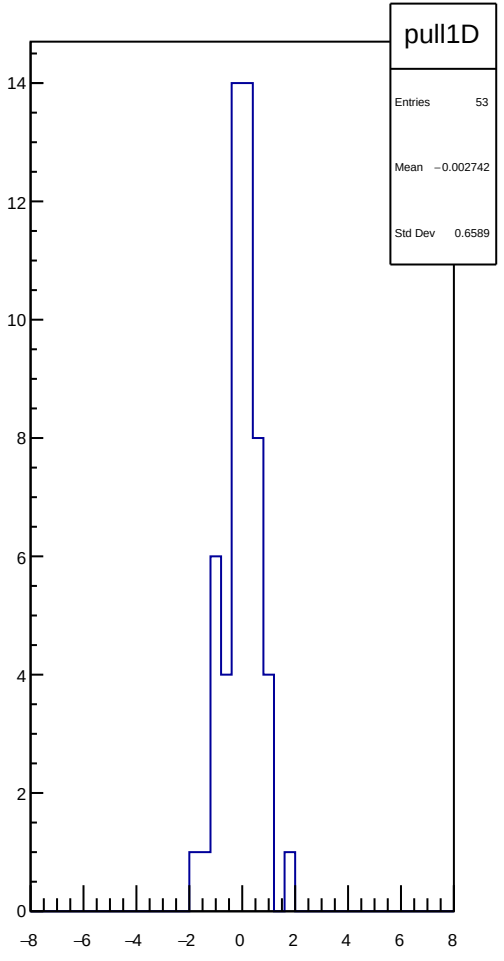

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.482 / 52
p0 35.02 ± 4.564
pull
Entries 53
Mean −2698
Std Dev 0
pull1D
Entries 53
Mean 0.0003862
Std Dev 0.423

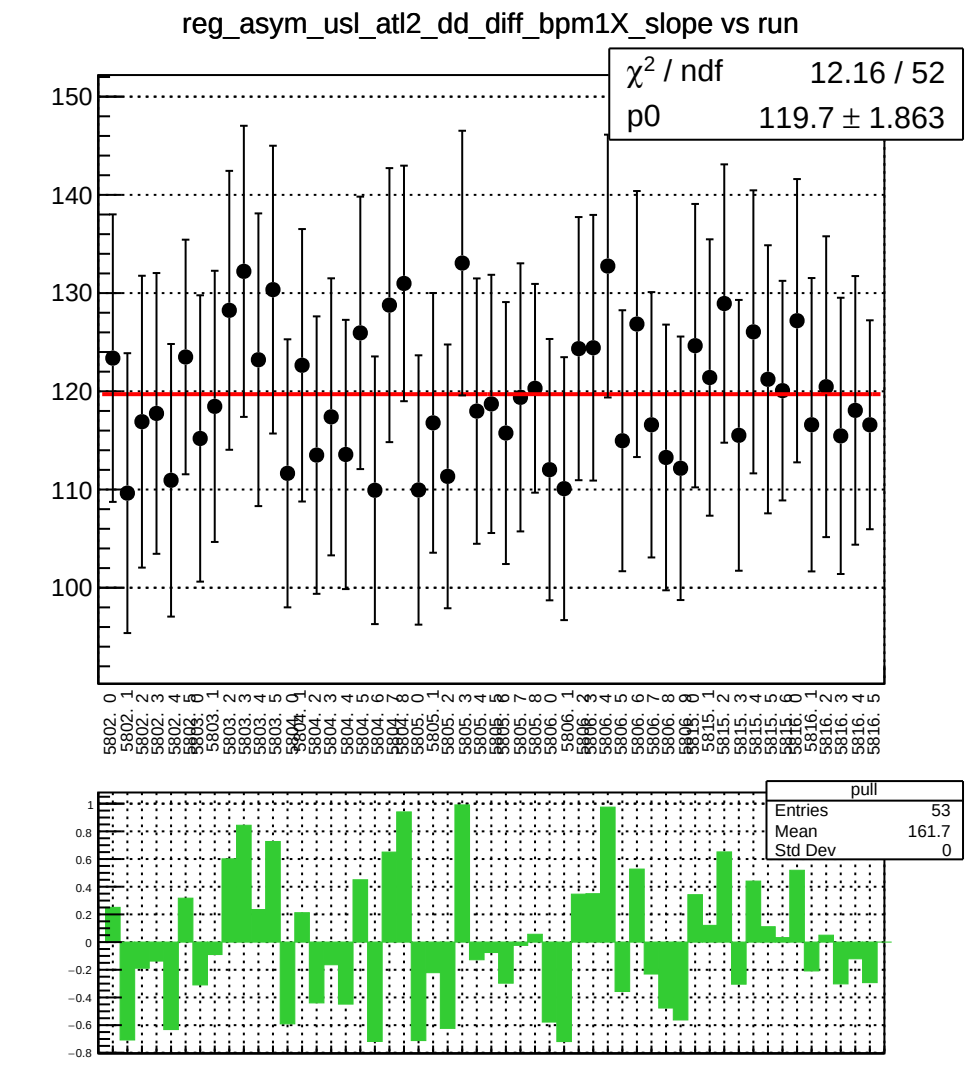

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.333 / 52
p0 262.9 ± 4.039
pull
Entries 53
Mean 163.1
Std Dev 0
pull1D
Entries 53
Mean 0.003085
Std Dev 0.4196

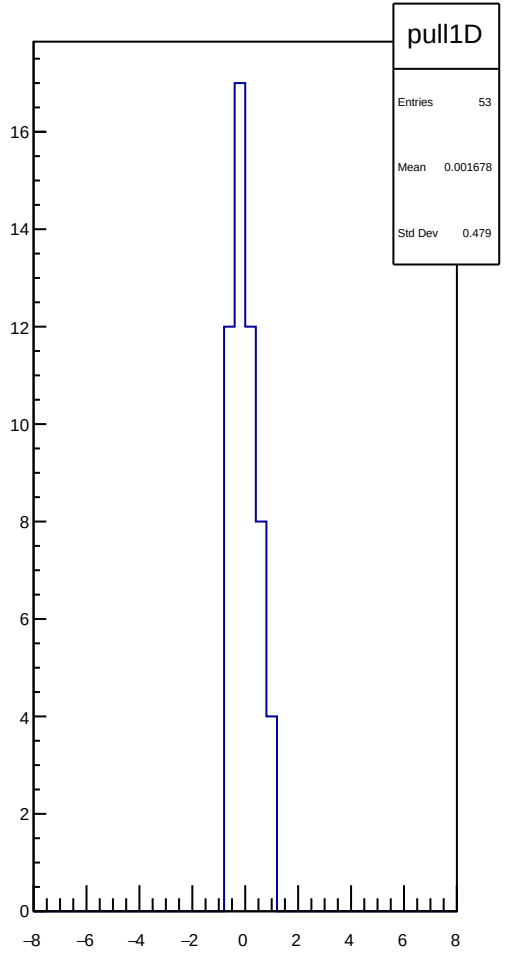

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.672 / 52
p0 17.59 ± 4.986
pull
Entries 53
Mean 179.4
Std Dev 0

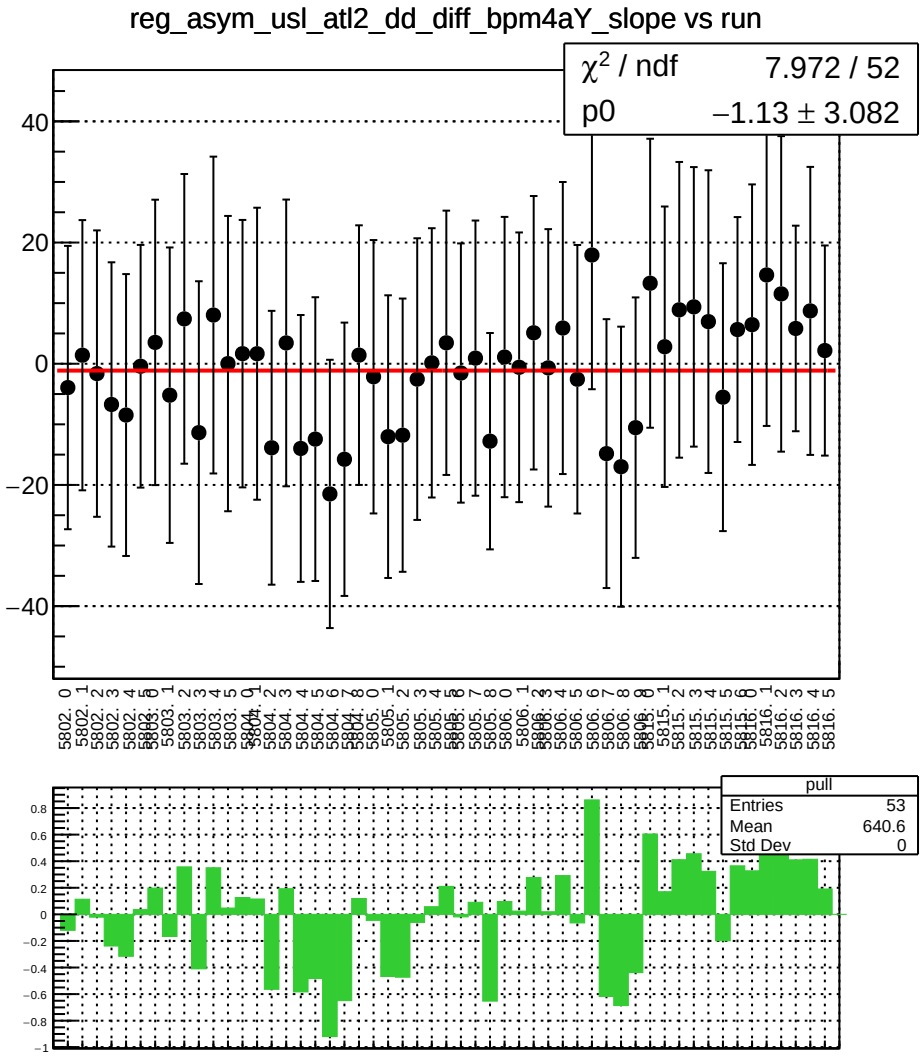

pull1D
Entries 53
Mean 0.001135
Std Dev 0.4045

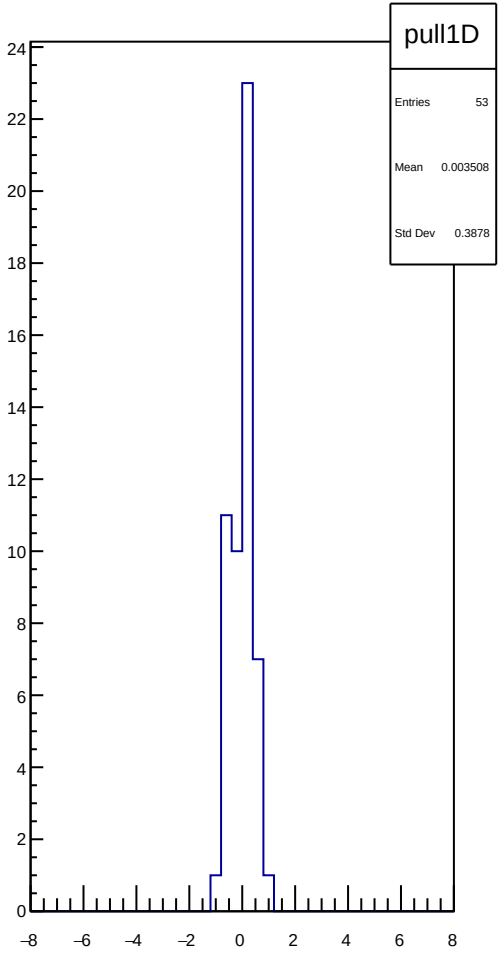

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.01 / 52
p0 −129.1 ± 0.3158
pull
Entries 53
Mean 600.2
Std Dev 0

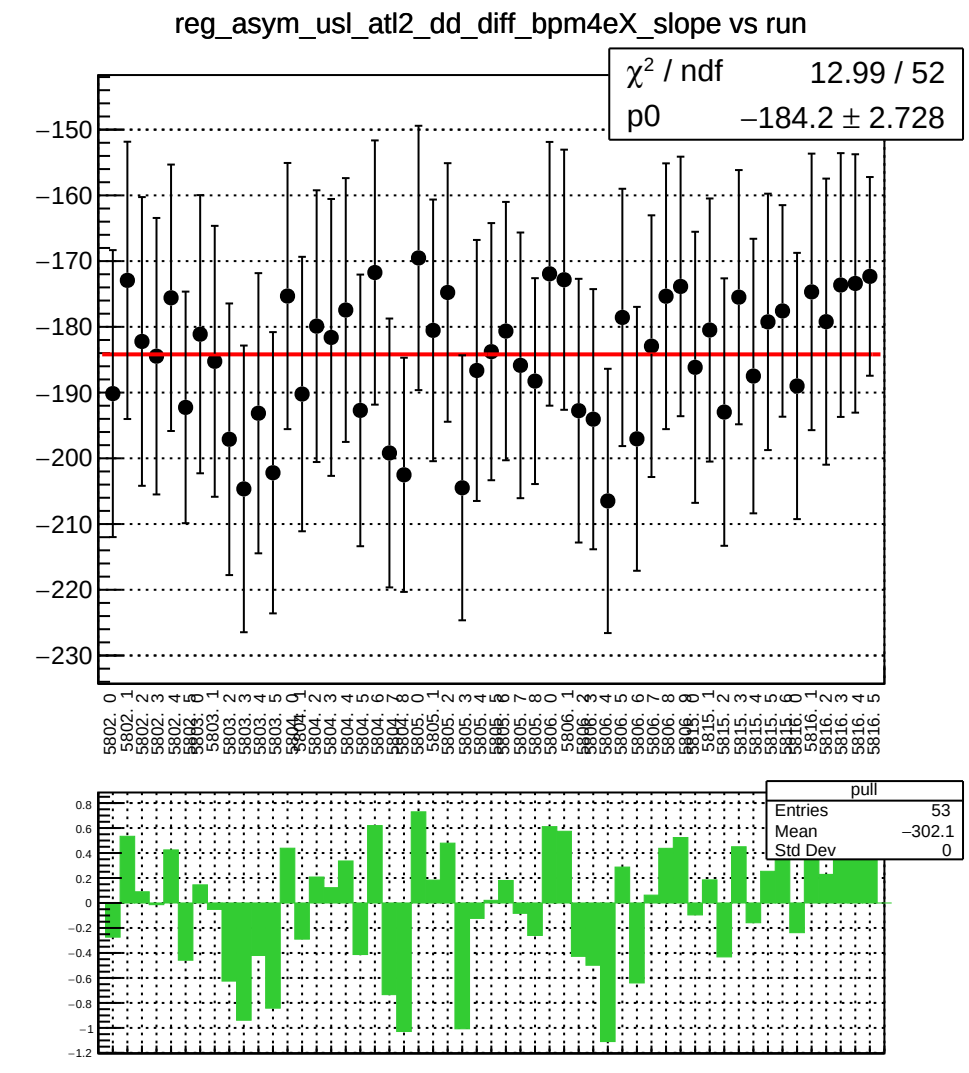

pull1D
Entries 53
Mean −0.002742
Std Dev 0.6589

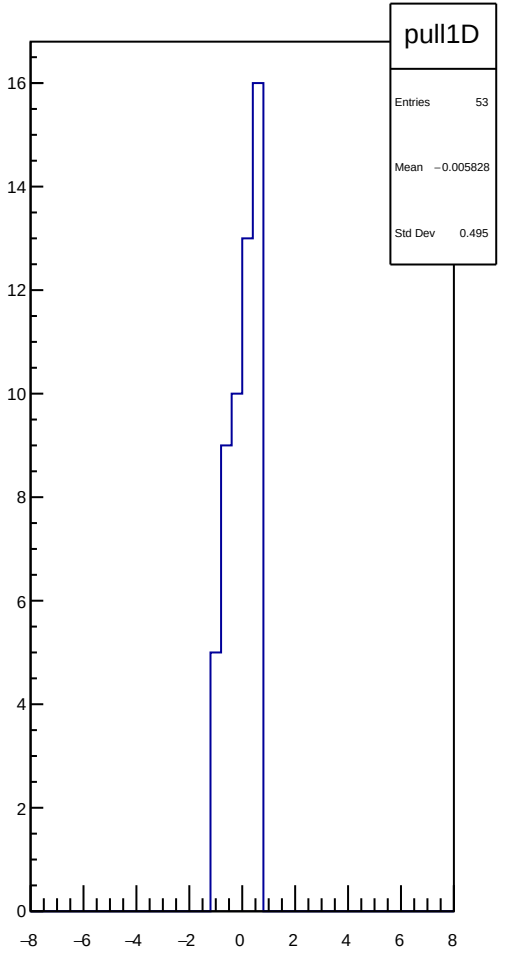

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 12.16 / 52
p0 119.7 ± 1.863
150
140
130
120
110
100
pull
Entries 53
Mean 161.7
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

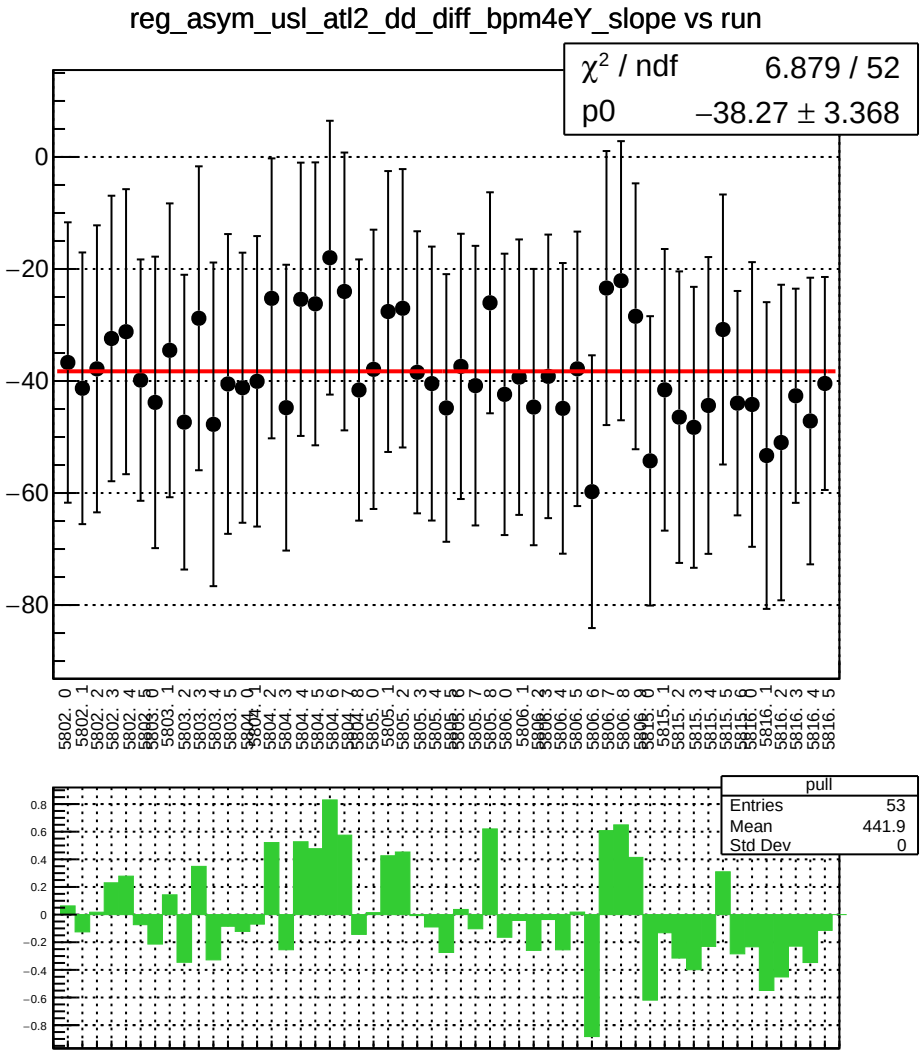

pull1D
Entries 53
Mean 0.001678
Std Dev 0.479
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

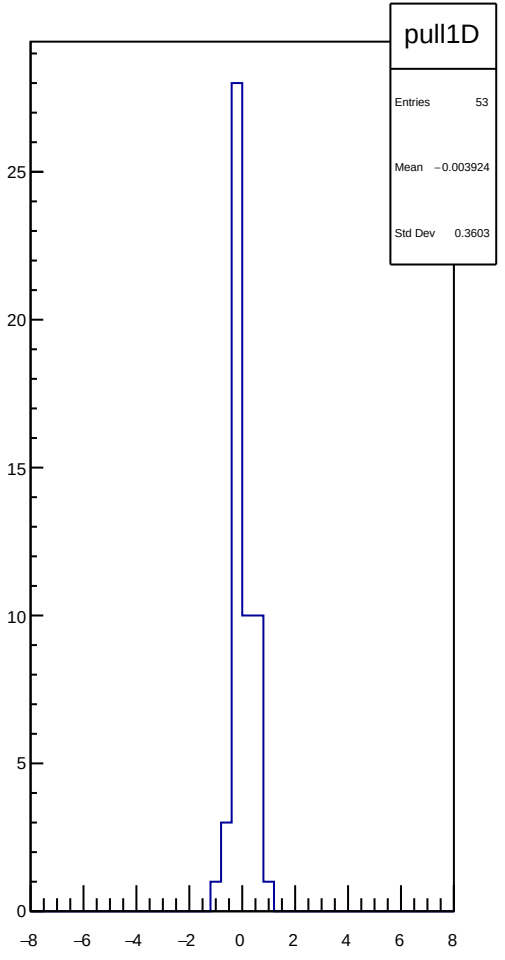

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.972 / 52
p0 −1.13 ± 3.082
pull
Entries 53
Mean 640.6
Std Dev 0


pull1D
Entries 53
Mean 0.003508
Std Dev 0.3878

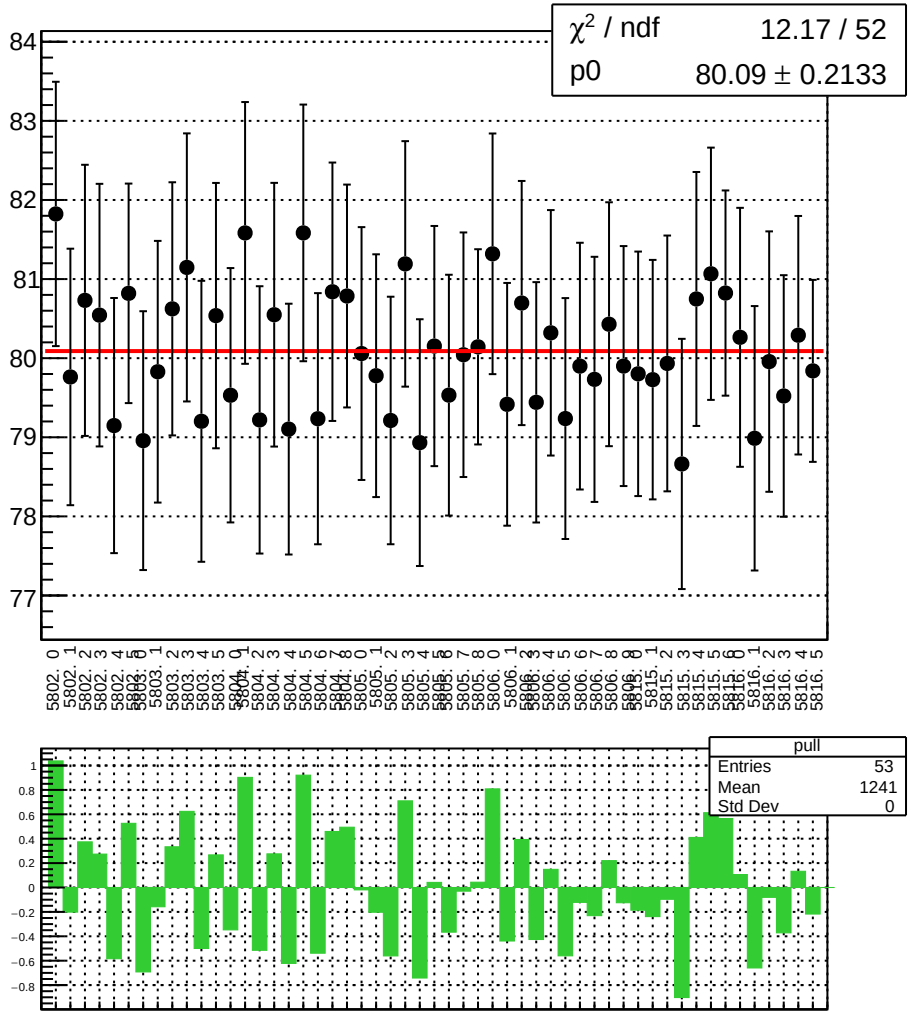

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.99 / 52
p0 −184.2 ± 2.728
pull
Entries 53
Mean −302.1
Std Dev 0

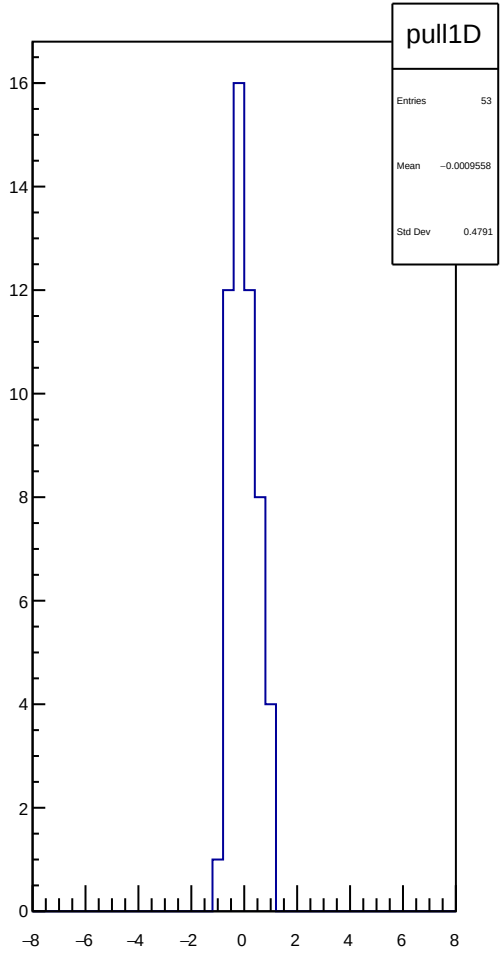

pull1D
Entries 53
Mean −0.005828
Std Dev 0.495

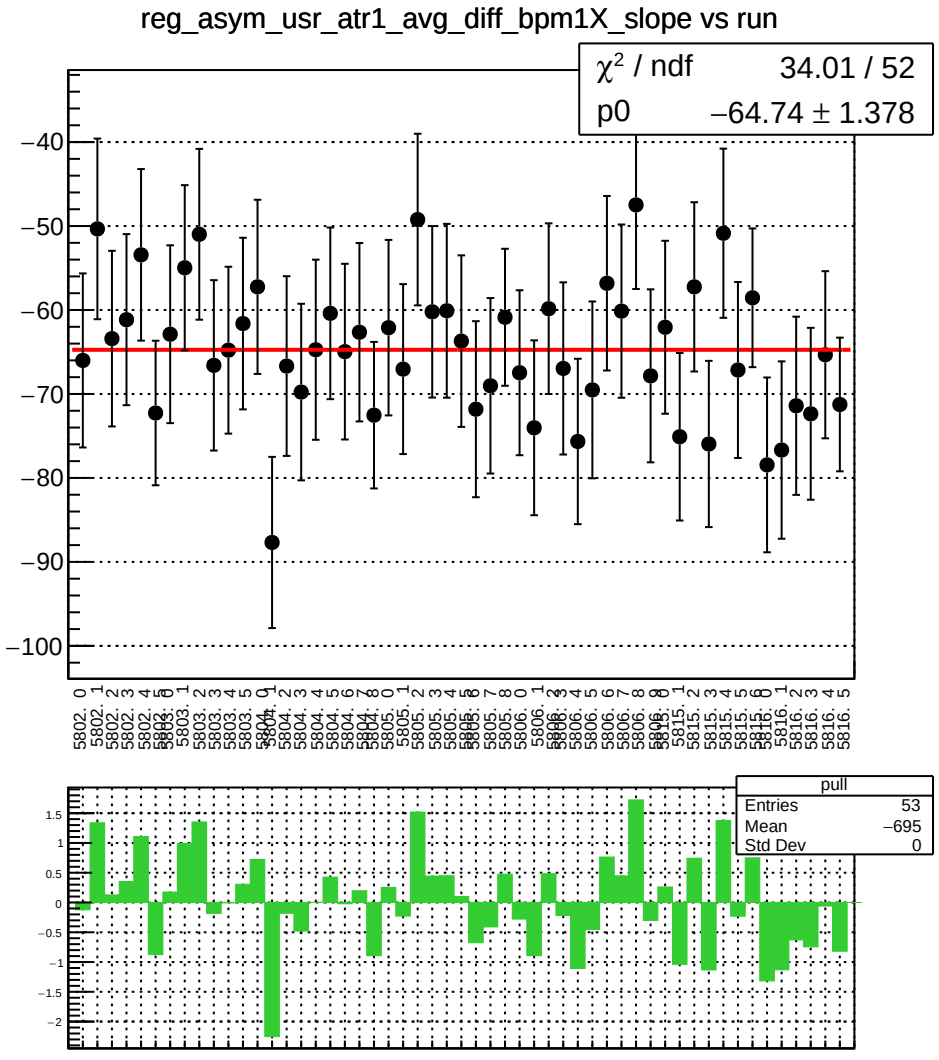

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.879 / 52
p0 −38.27 ± 3.368
pull
Entries 53
Mean 441.9
Std Dev 0

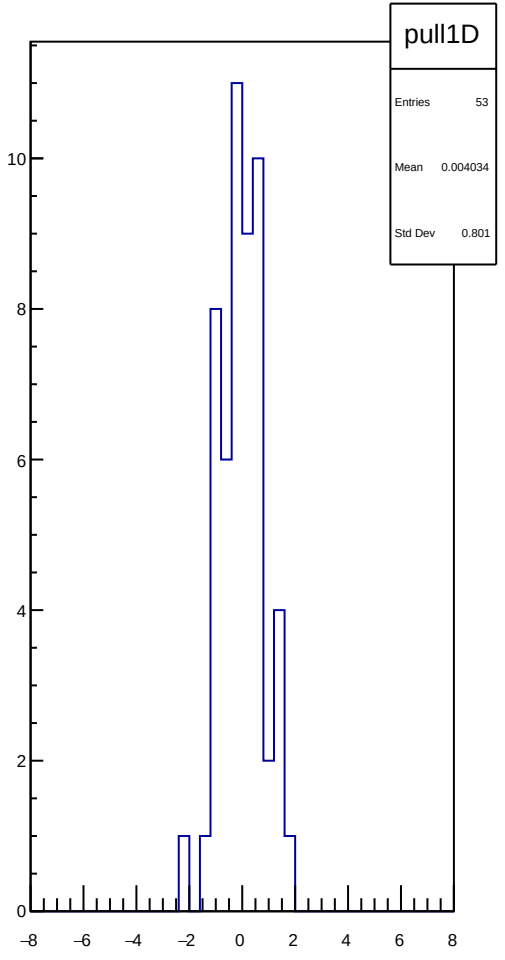

pull1D
Entries 53
Mean −0.003924
Std Dev 0.3603

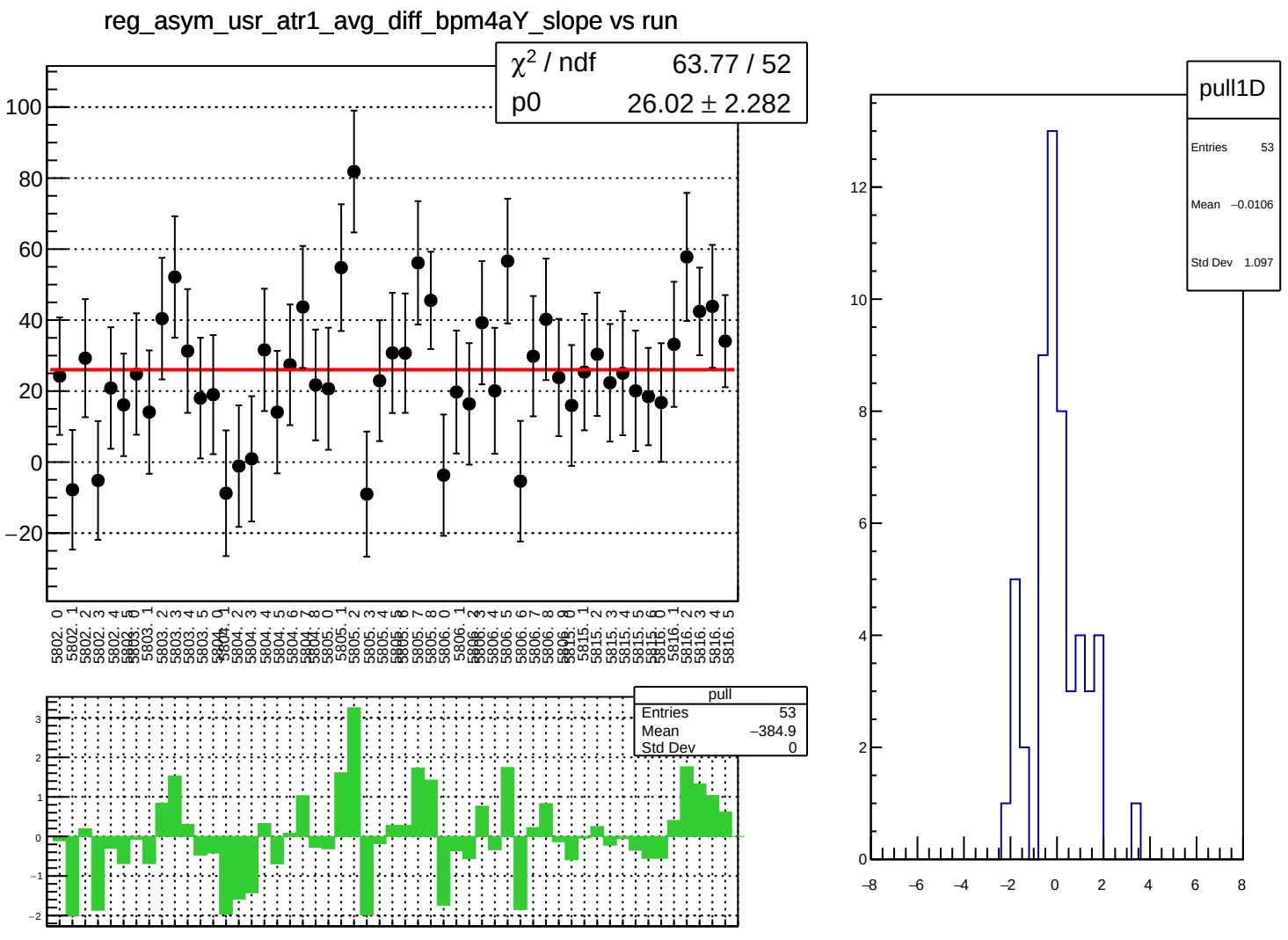
reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run

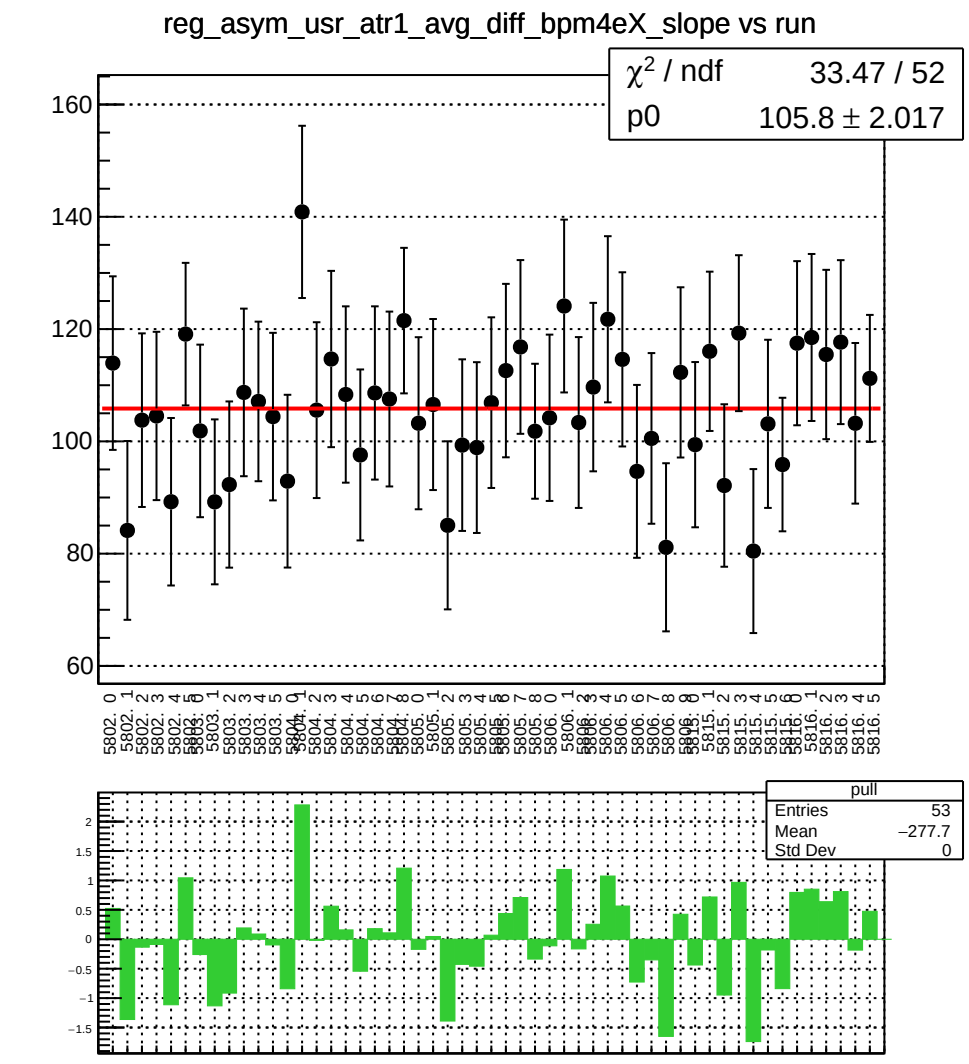


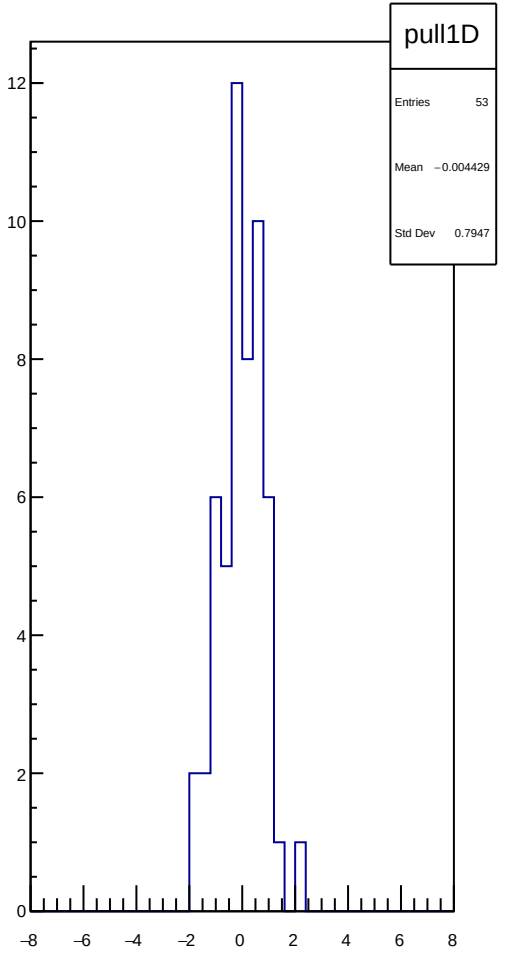


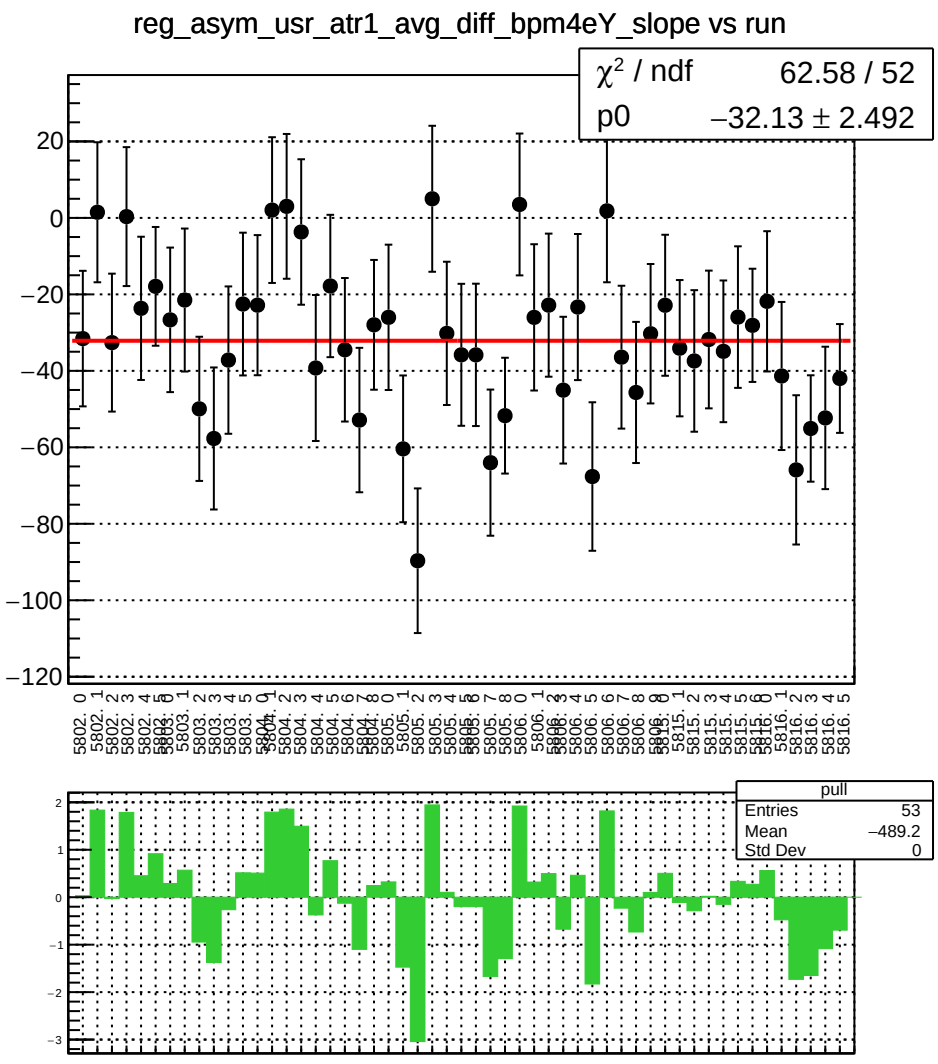

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 34.01 / 52
p0 −64.74 ± 1.378
pull
Entries 53
Mean −695
Std Dev 0

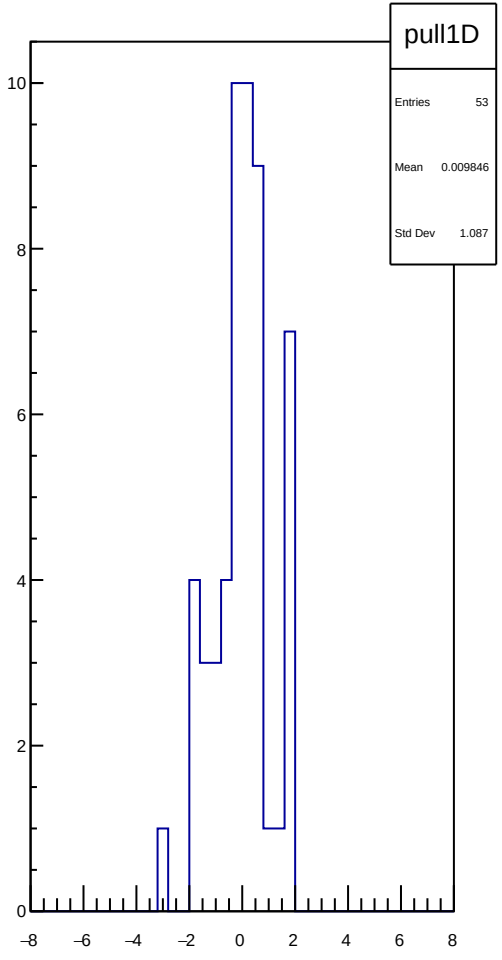

pull1D
Entries 53
Mean 0.004034
Std Dev 0.801

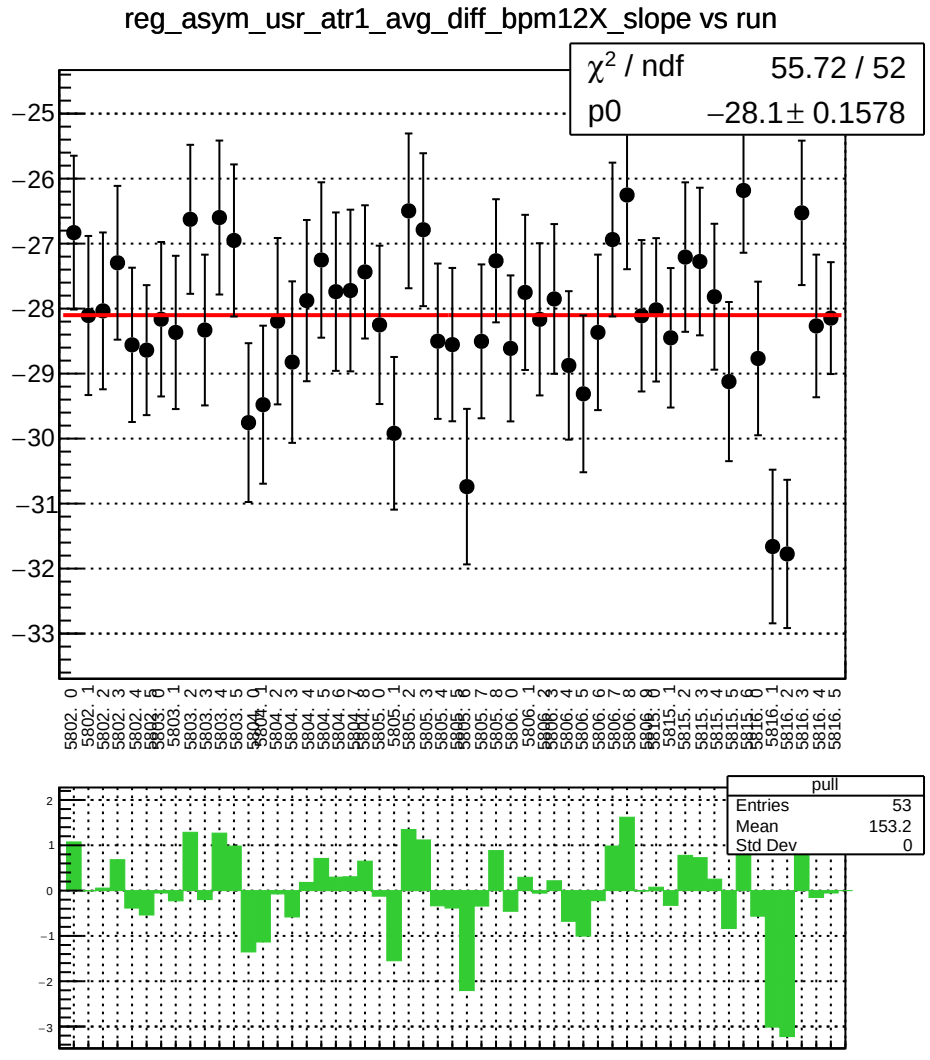

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.77 / 52
p0 26.02 ± 2.282
pull
Entries 53
Mean −384.9
Std Dev 0
pull1D
Entries 53
Mean −0.0106
Std Dev 1.097

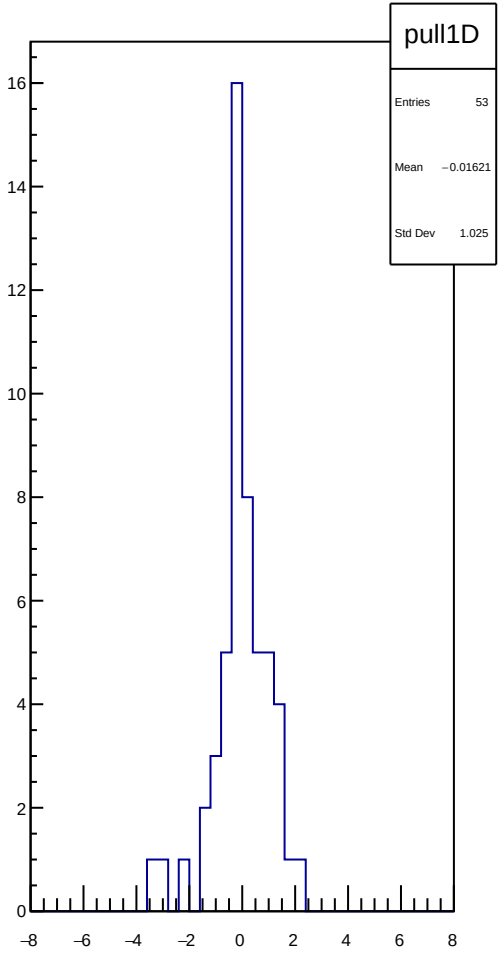

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.47 / 52
p0 105.8 ± 2.017
160
140
120
100
80
60
pull
Entries 53
Mean −277.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

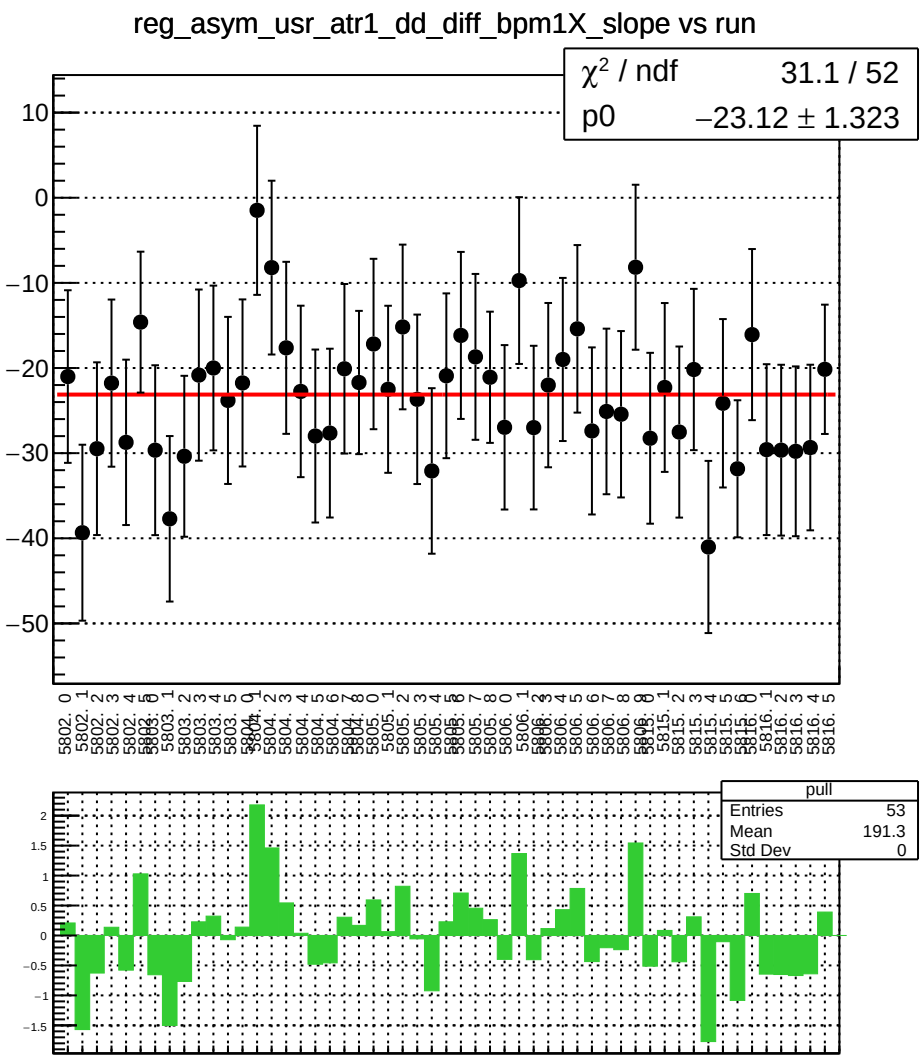

pull1D
Entries 53
Mean −0.004429
Std Dev 0.7947
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

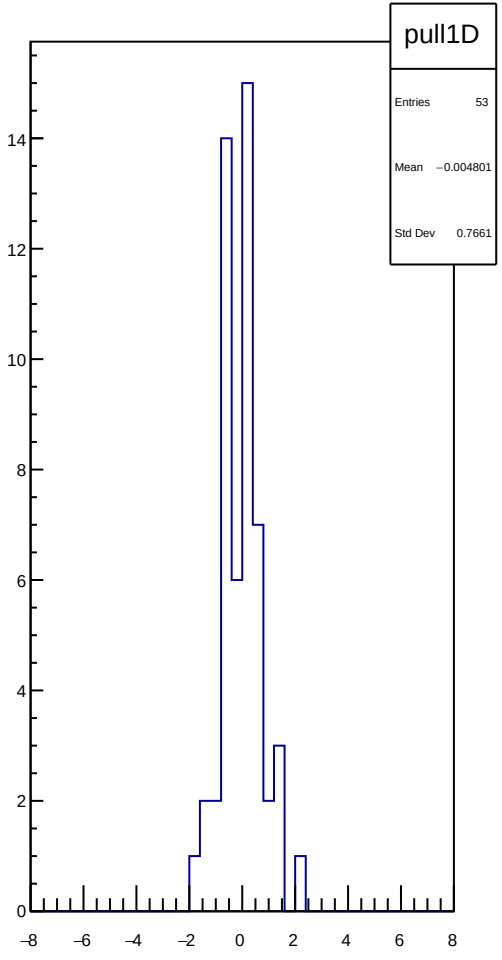

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.58 / 52
p0 −32.13 ± 2.492
pull
Entries 53
Mean −489.2
Std Dev 0

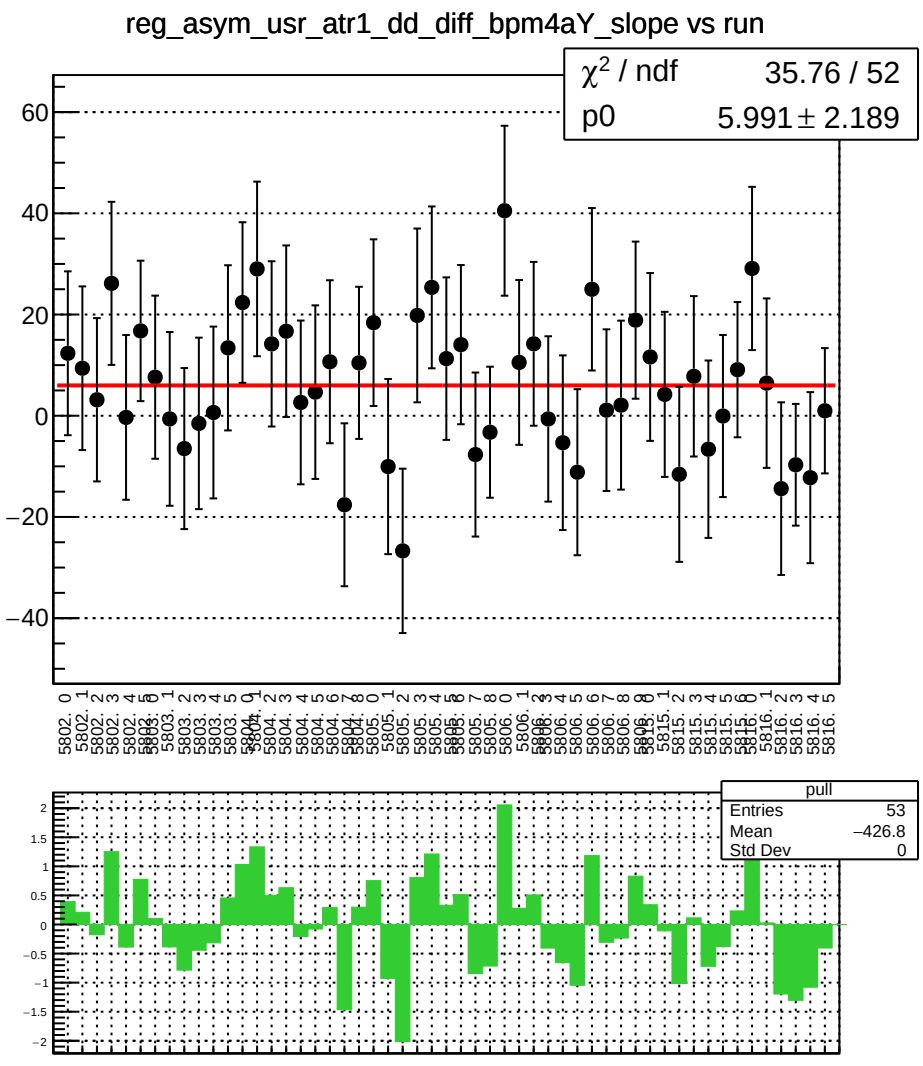

pull1D
Entries 53
Mean 0.009846
Std Dev 1.087

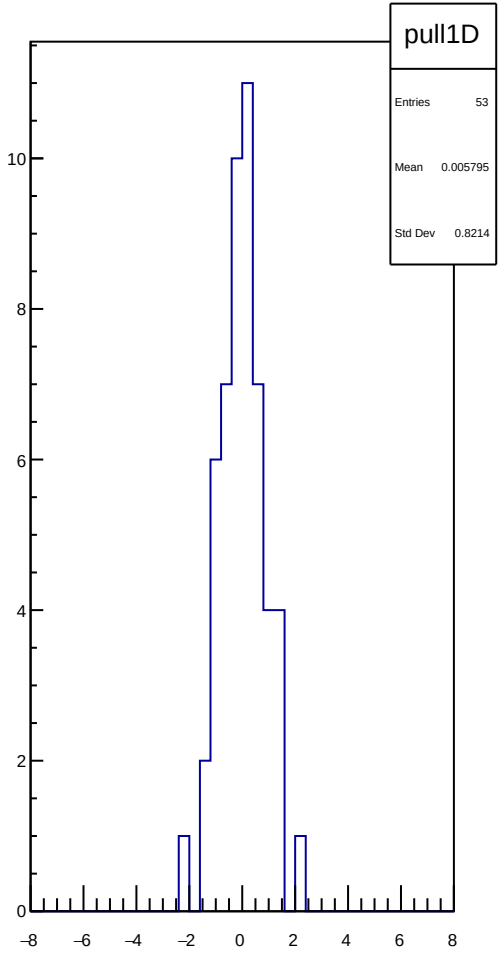

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 55.72 / 52
p0 −28.1 ± 0.1578
pull
Entries 53
Mean 153.2
Std Dev 0

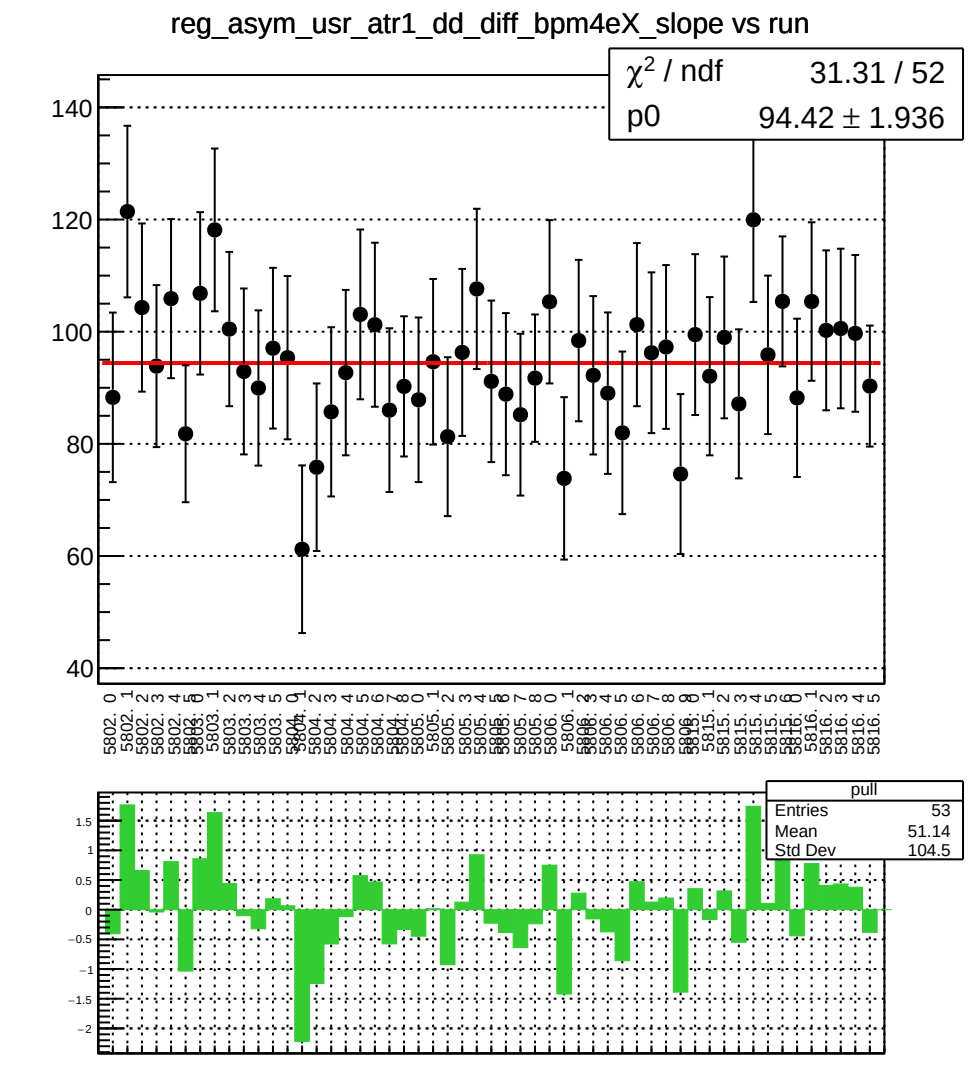

pull1D
Entries 53
Mean −0.01621
Std Dev 1.025

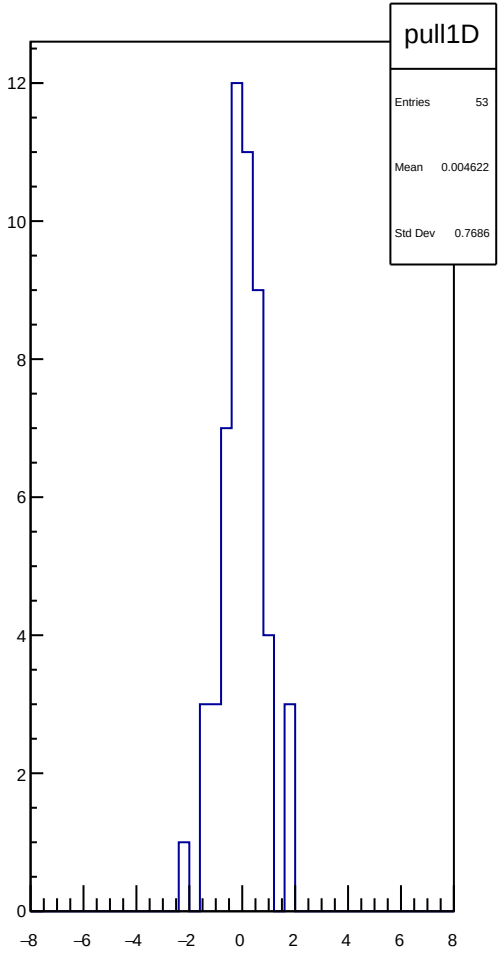

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 31.1 / 52
p0 −23.12 ± 1.323
pull
Entries 53
Mean 191.3
Std Dev 0

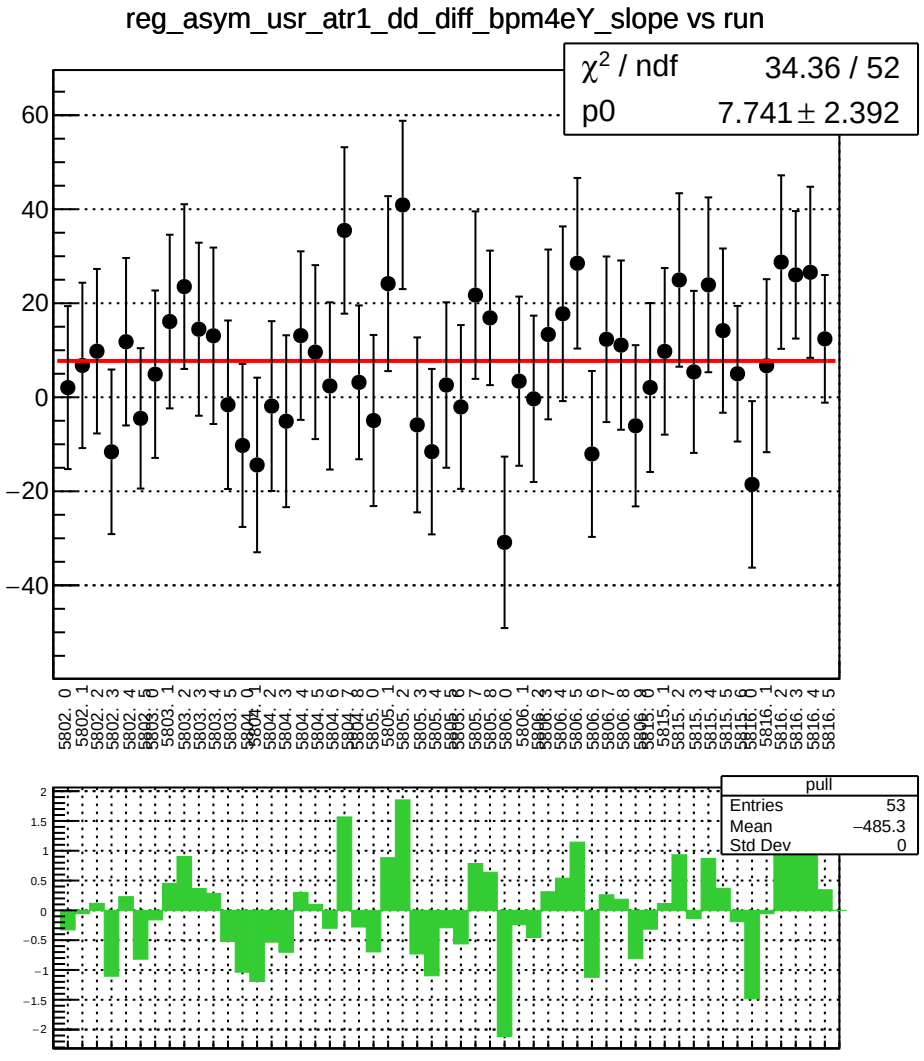

pull1D
Entries 53
Mean −0.004801
Std Dev 0.7661

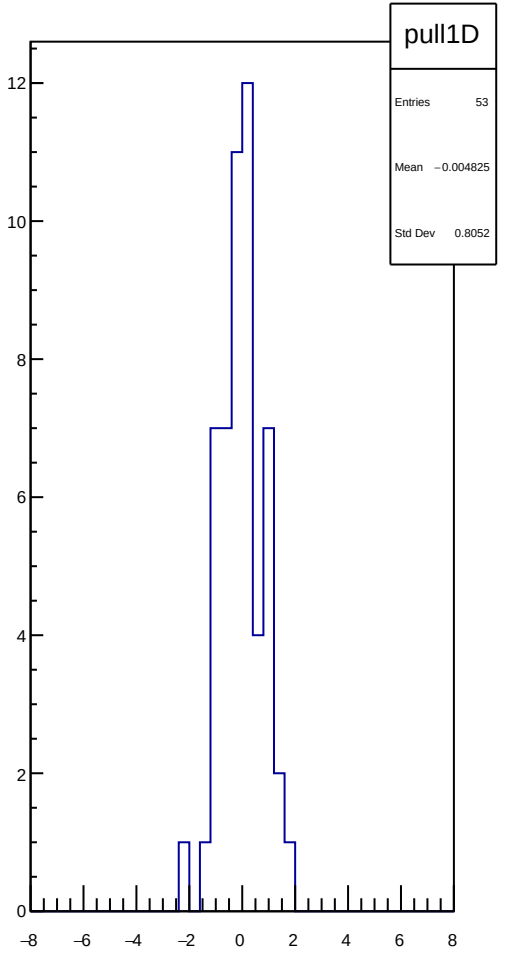

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.76 / 52
p0 5.991 ± 2.189
pull
Entries 53
Mean −426.8
Std Dev 0

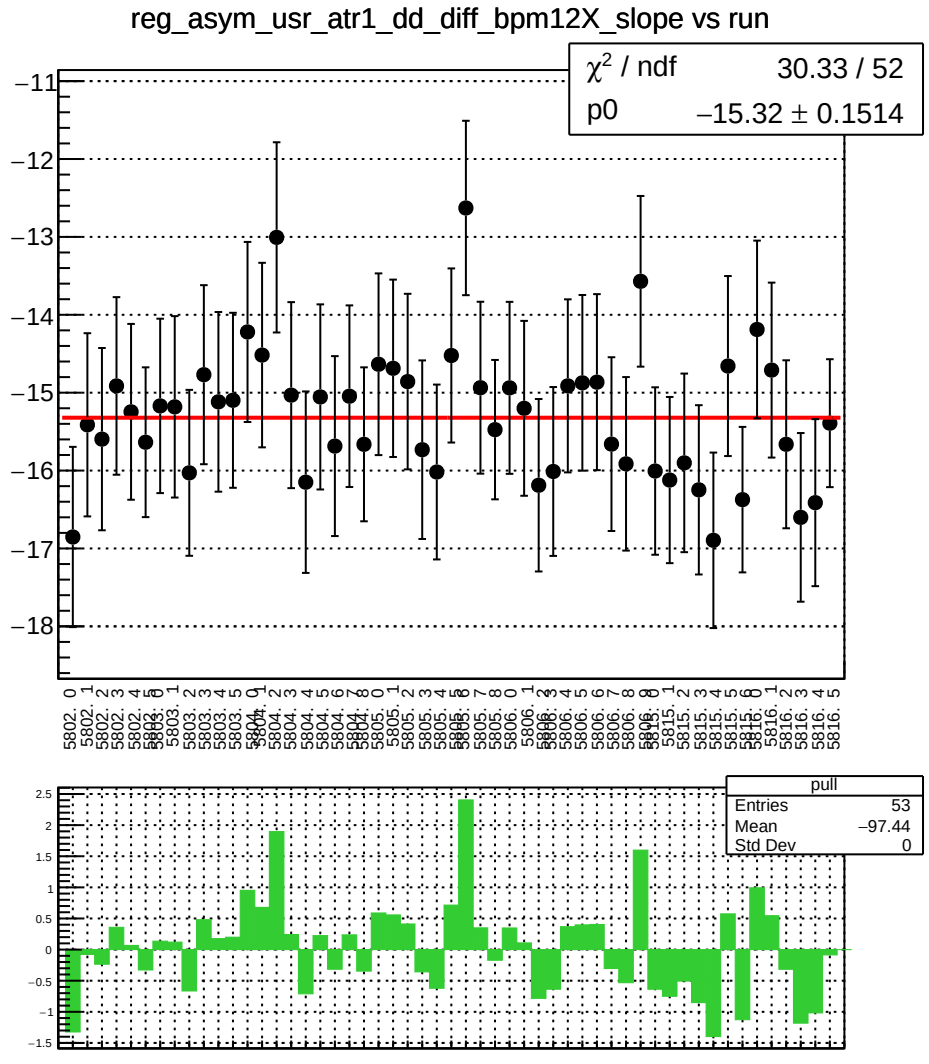

pull1D
Entries 53
Mean 0.005795
Std Dev 0.8214

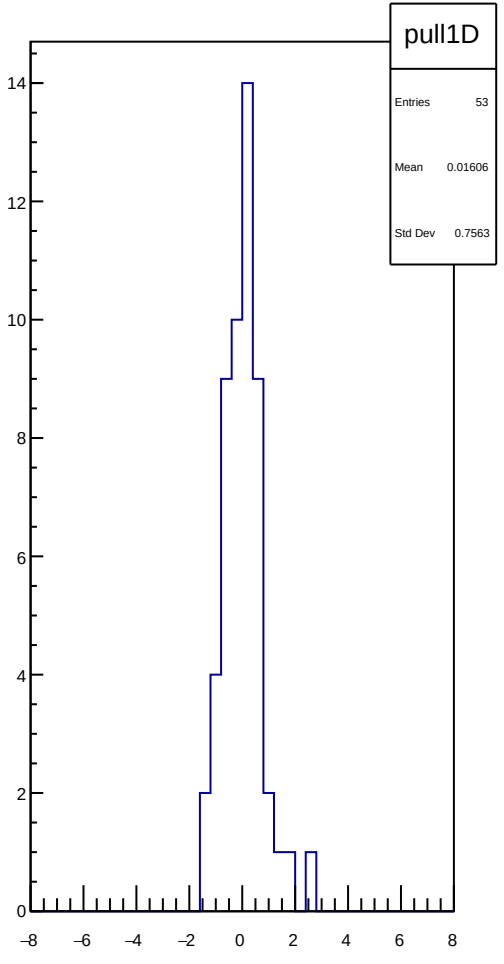

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.31 / 52
p0 94.42 ± 1.936
pull
Entries 53
Mean 51.14
Std Dev 104.5

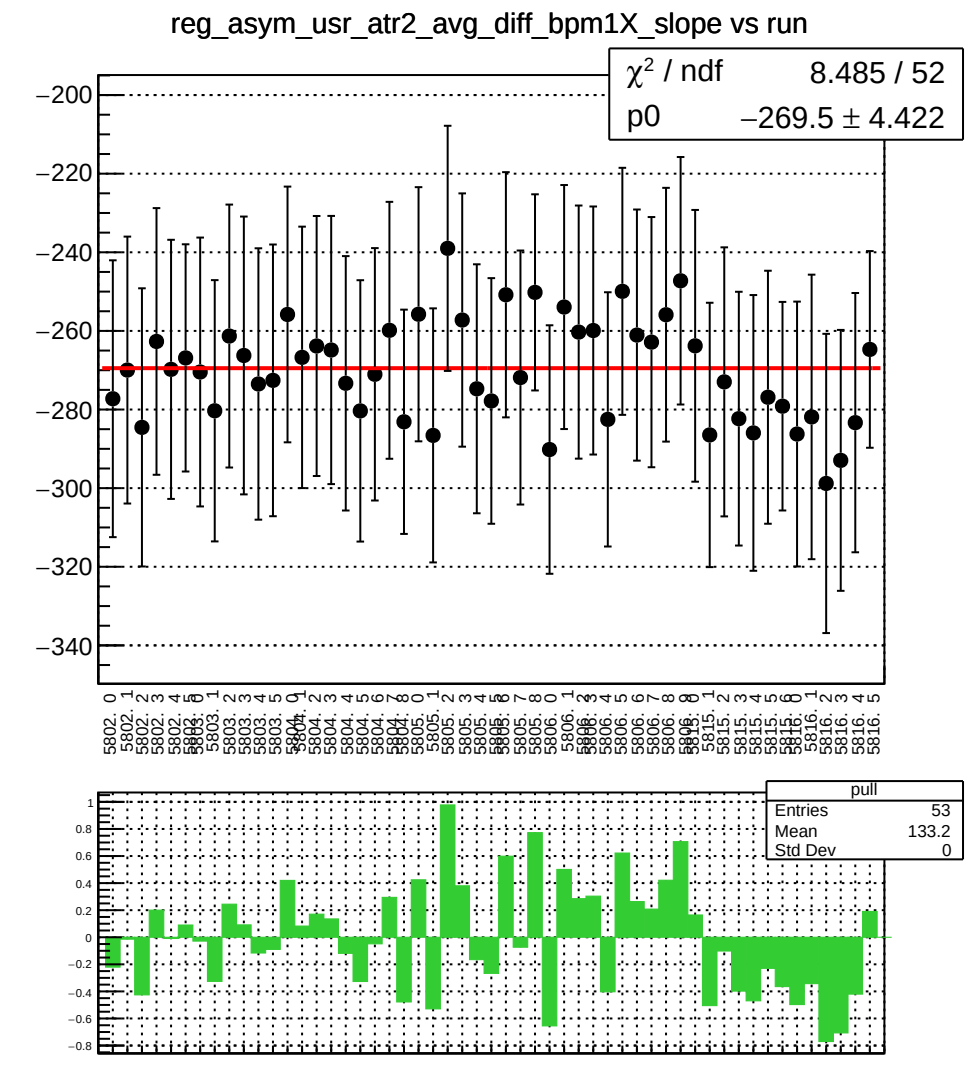

pull1D
Entries 53
Mean 0.004622
Std Dev 0.7686

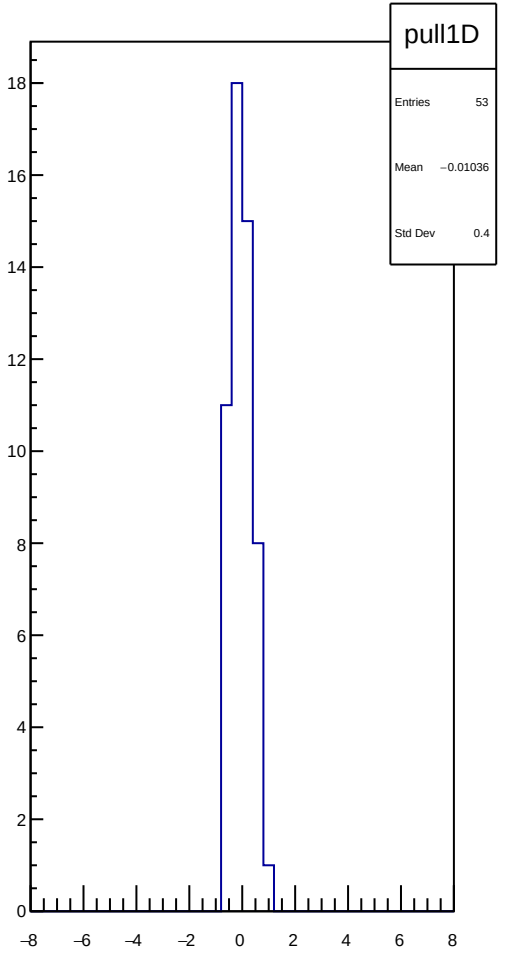

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.36 / 52
p0 7.741 ± 2.392
pull
Entries 53
Mean −485.3
Std Dev 0

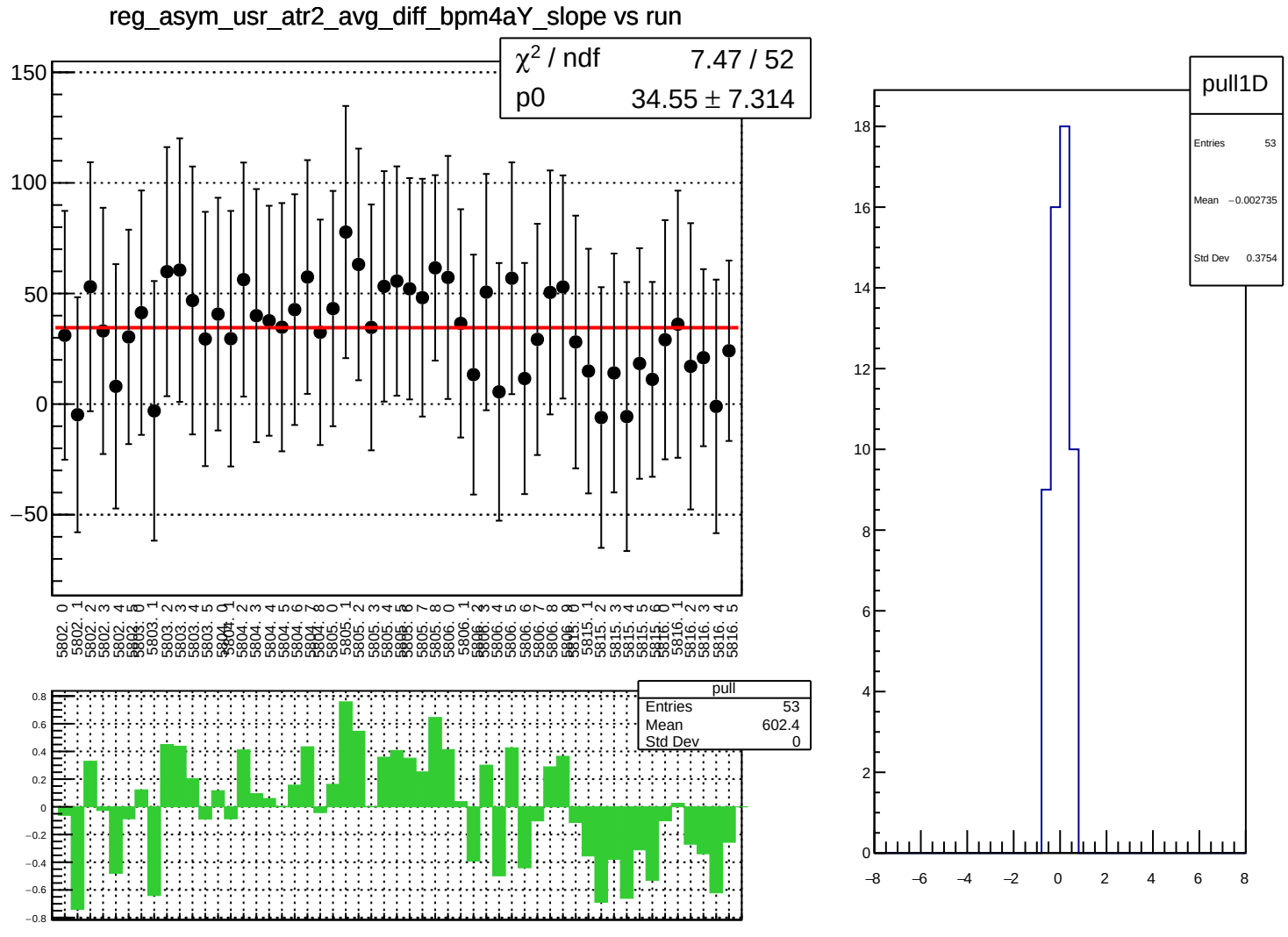

pull1D
Entries 53
Mean −0.004825
Std Dev 0.8052

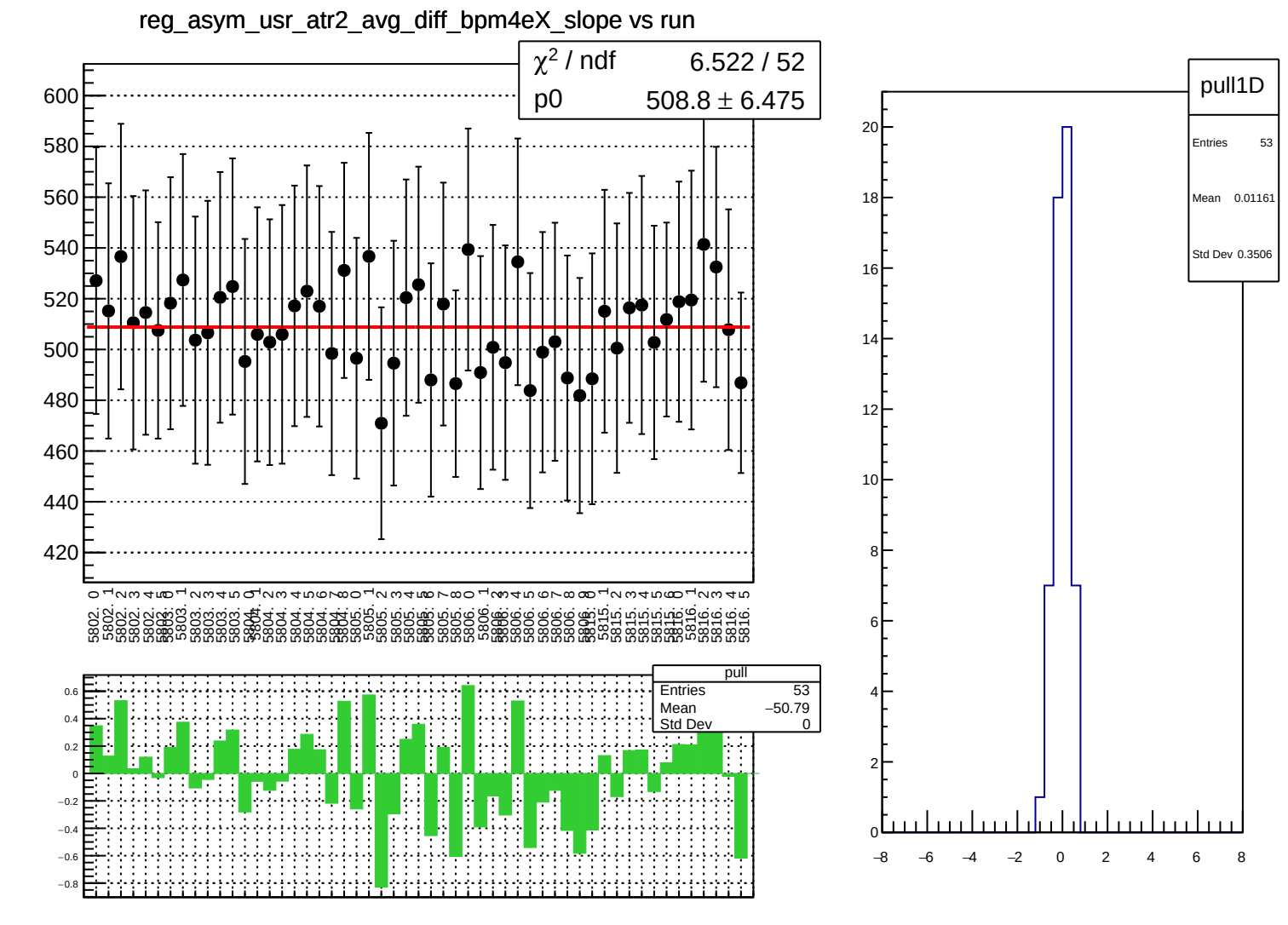

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 30.33 / 52
p0 −15.32 ± 0.1514
pull
Entries 53
Mean −97.44
Std Dev 0

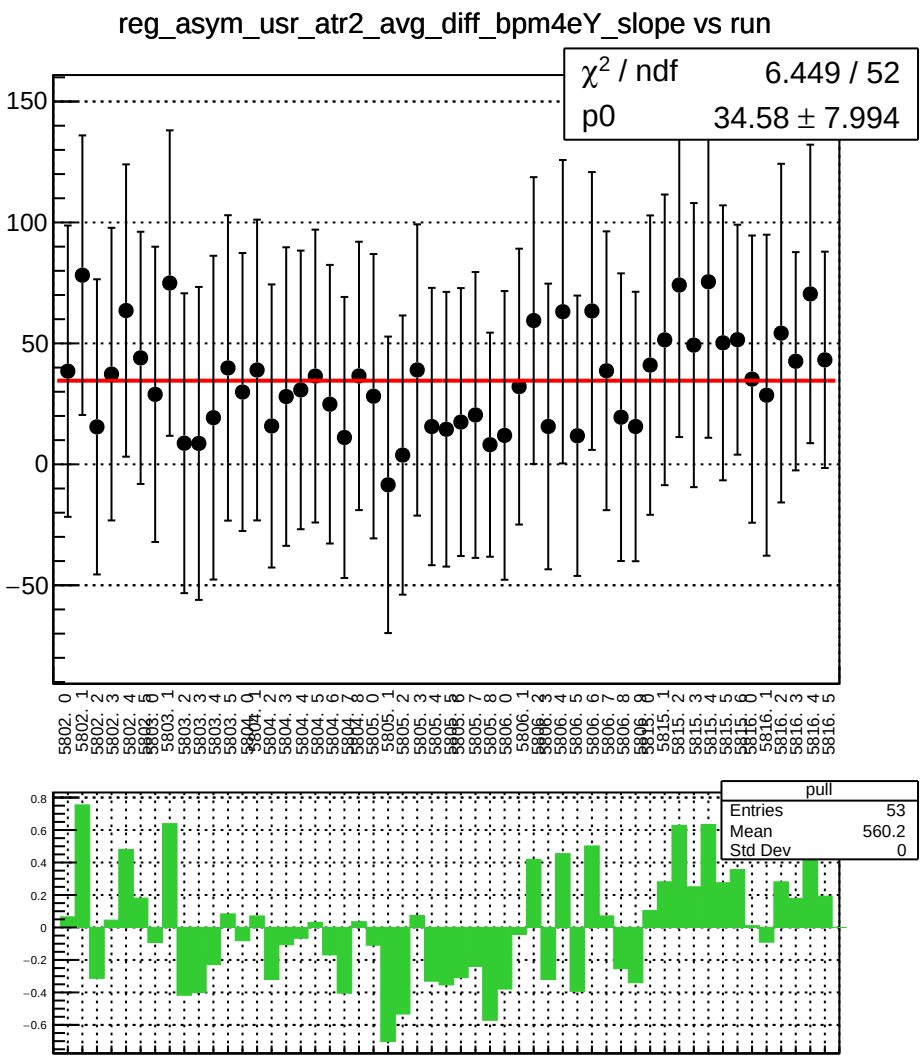

pull1D
Entries 53
Mean 0.01606
Std Dev 0.7563

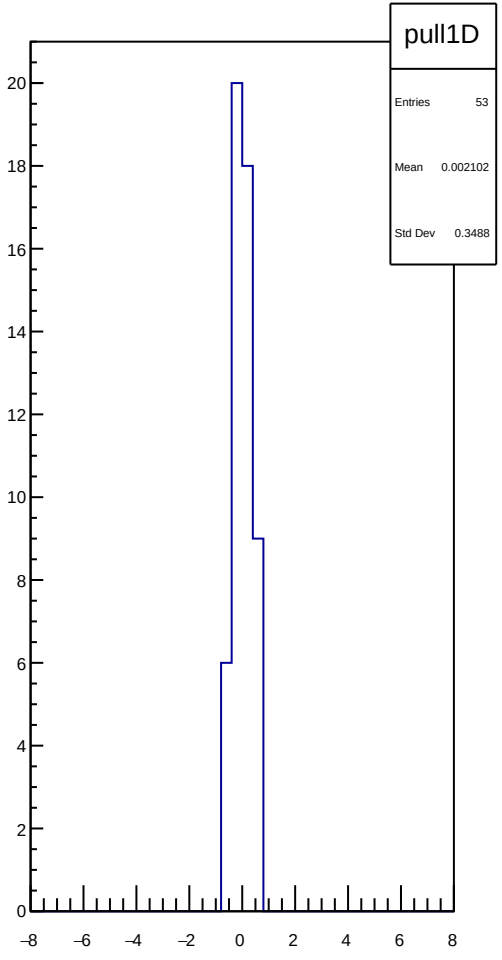

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.485 / 52
p0 −269.5 ± 4.422
pull
Entries 53
Mean 133.2
Std Dev 0

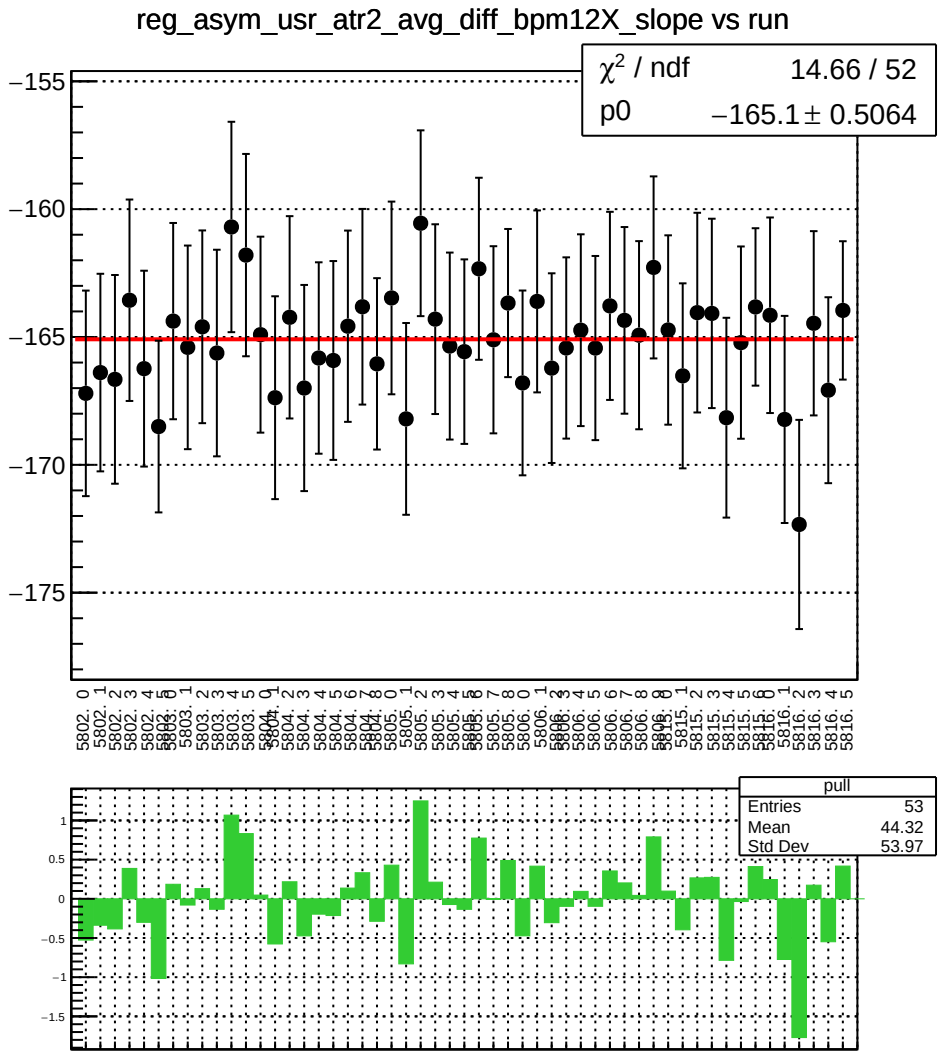

pull1D
Entries 53
Mean −0.01036
Std Dev 0.4

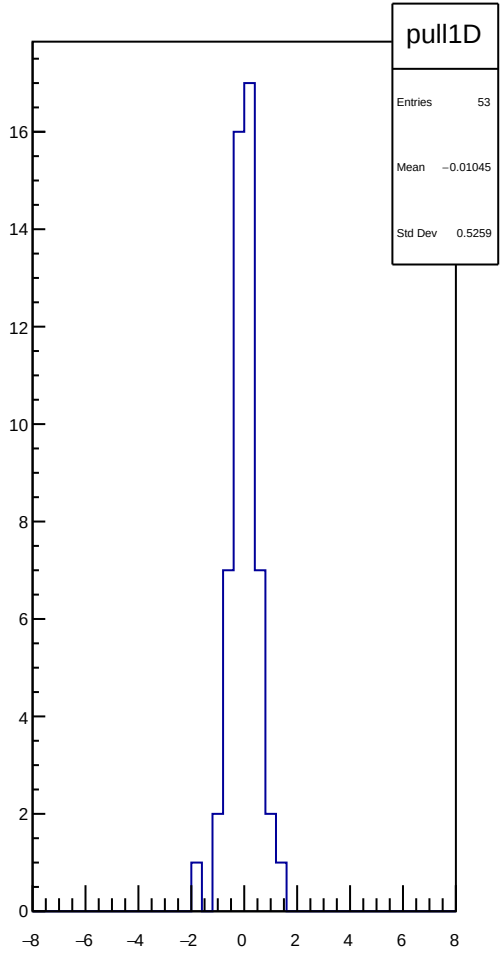

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.47 / 52
p0 34.55 ± 7.314
150
100
50
0
−50
pull
Entries 53
Mean 602.4
Std Dev 0
pull1D
Entries 53
Mean −0.002735
Std Dev 0.3754

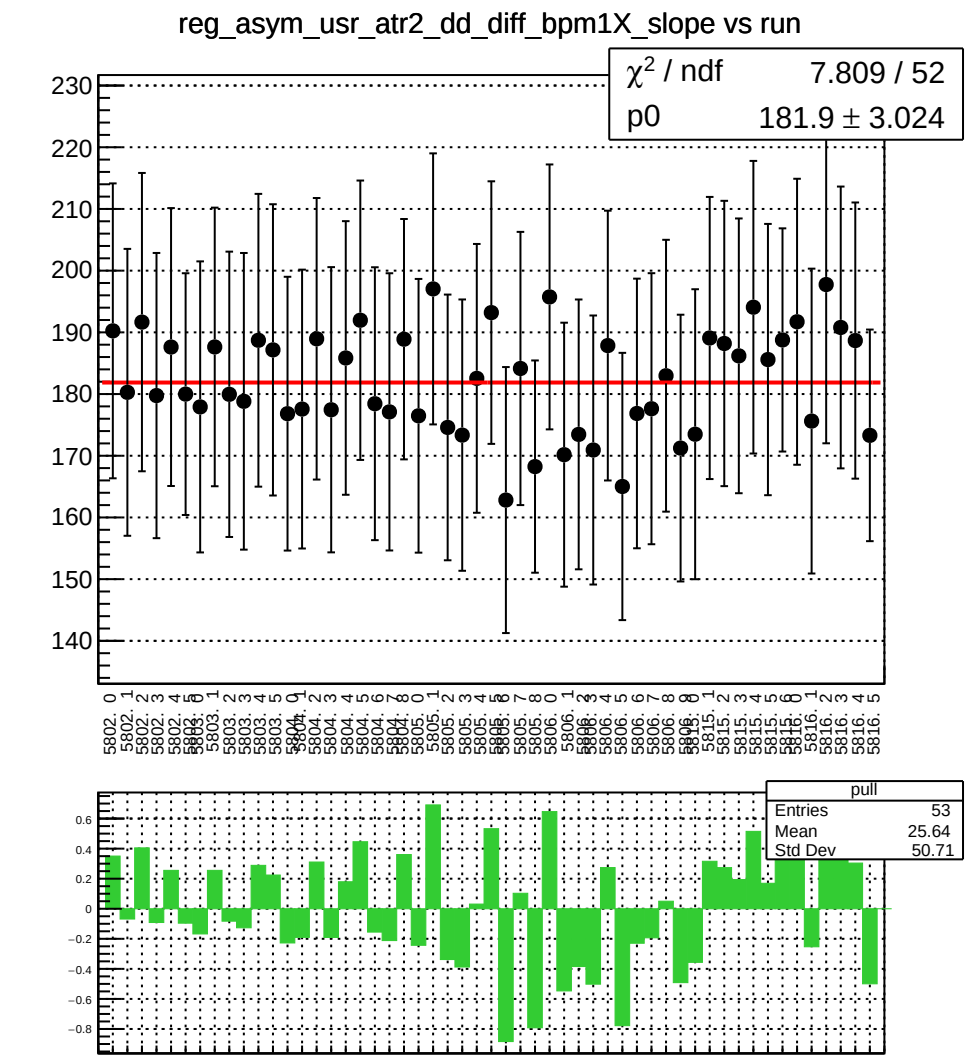

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.522 / 52
p0 508.8 ± 6.475
pull
Entries 53
Mean −50.79
Std Dev 0
pull1D
Entries 53
Mean 0.01161
Std Dev 0.3506

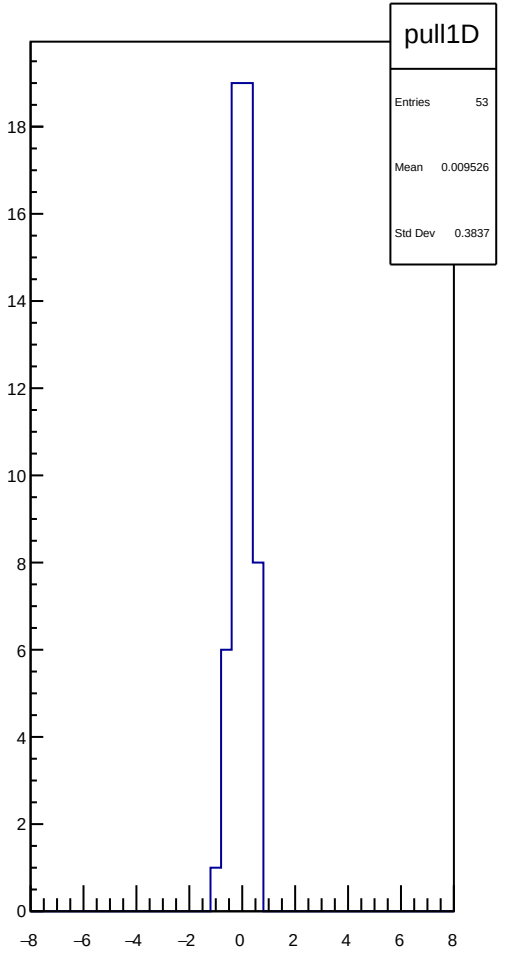

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.449 / 52
p0 34.58 ± 7.994
150
100
50
0
−50
pull
Entries 53
Mean 560.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

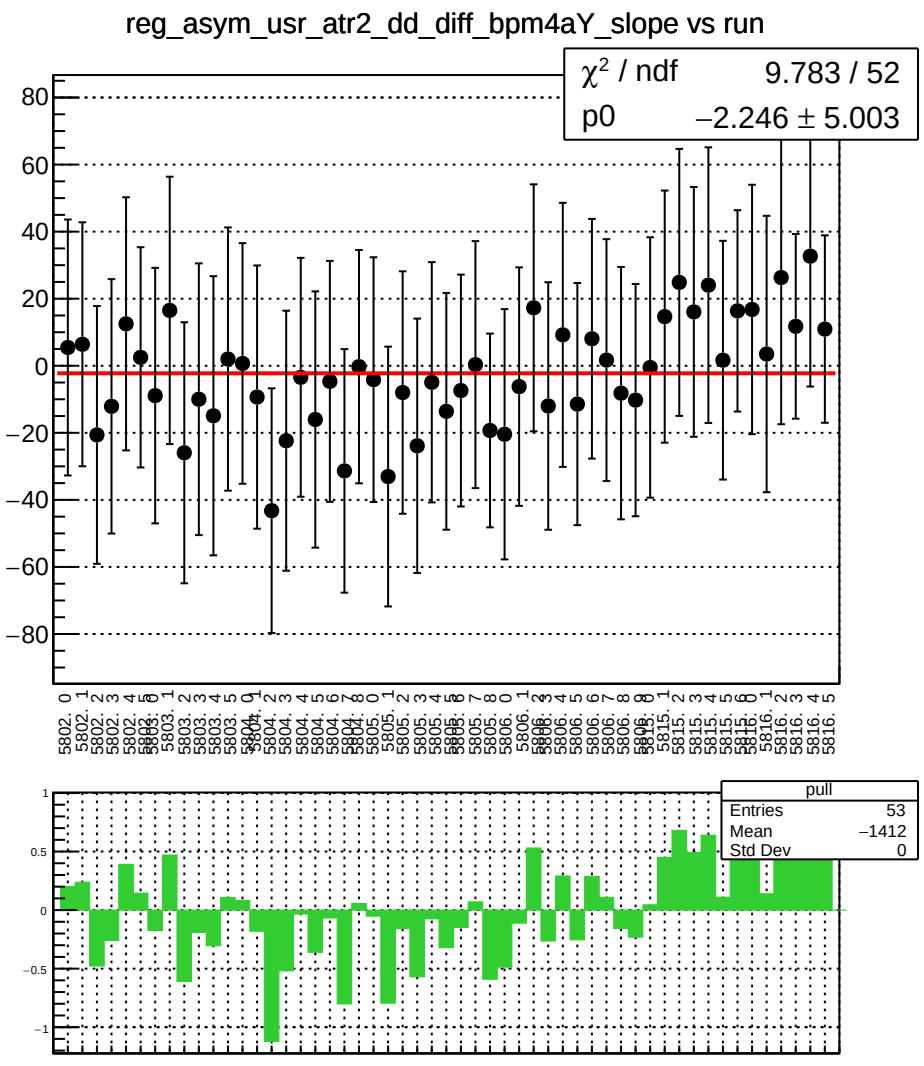

pull1D
Entries 53
Mean 0.002102
Std Dev 0.3488
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

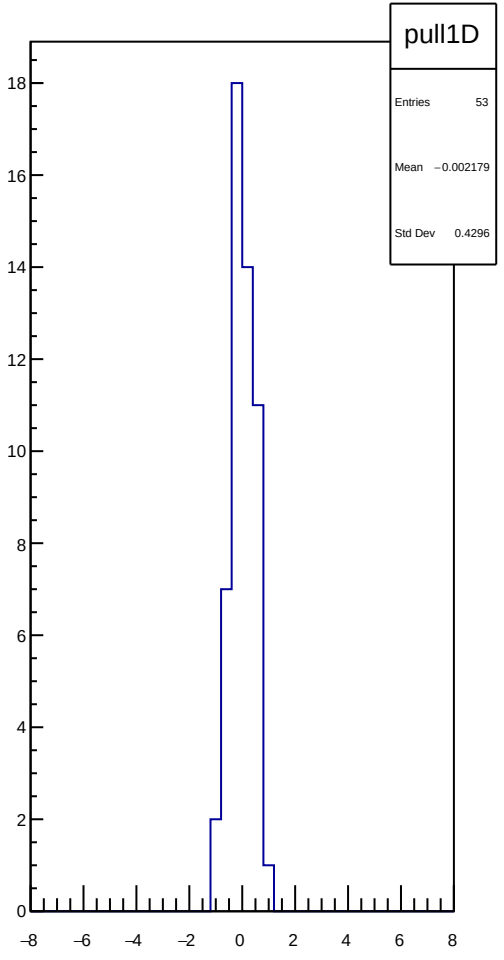

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.66 / 52
p0 −165.1 ± 0.5064
pull
Entries 53
Mean 44.32
Std Dev 53.97

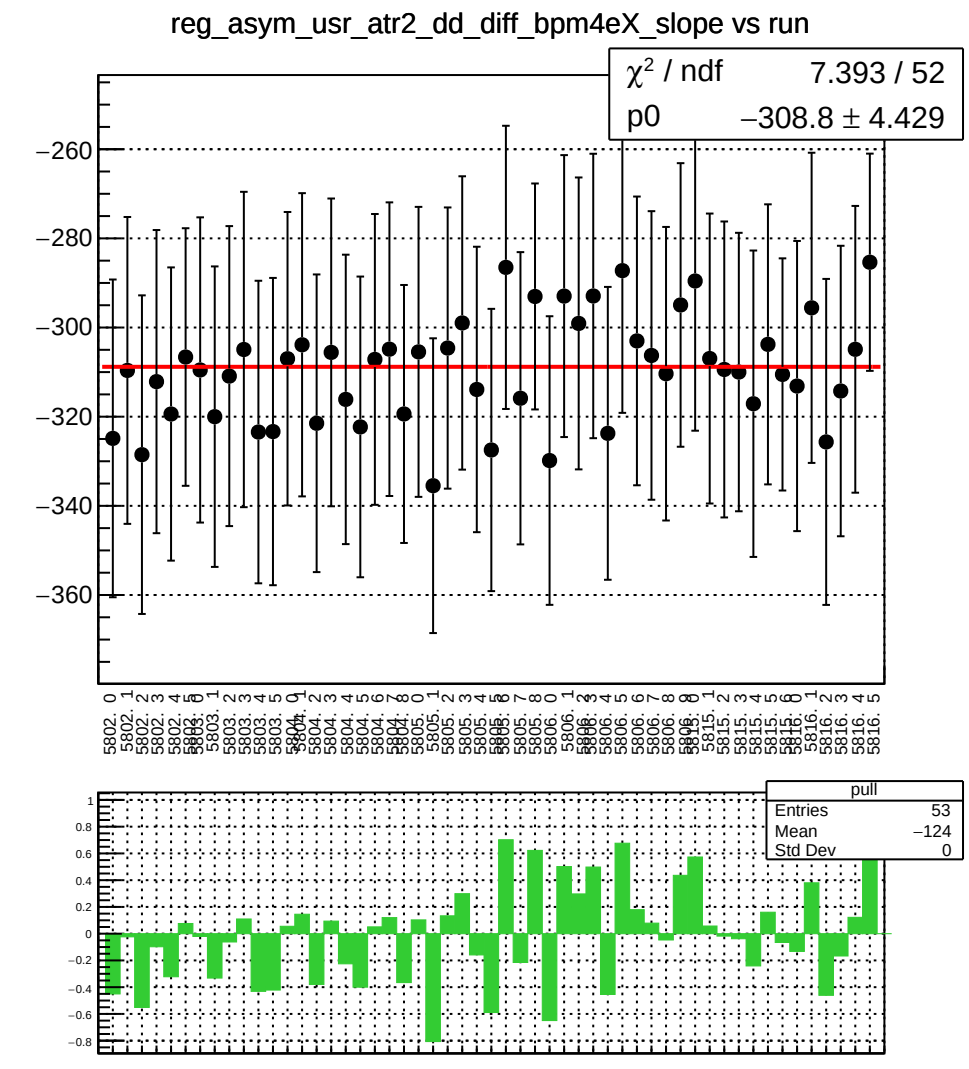

pull1D
Entries 53
Mean −0.01045
Std Dev 0.5259

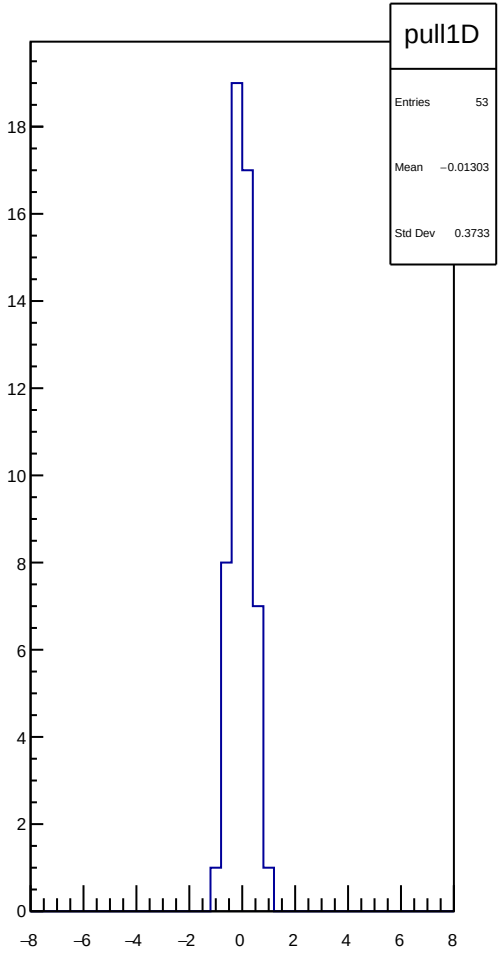

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.809 / 52
p0 181.9 ± 3.024
pull
Entries 53
Mean 25.64
Std Dev 50.71

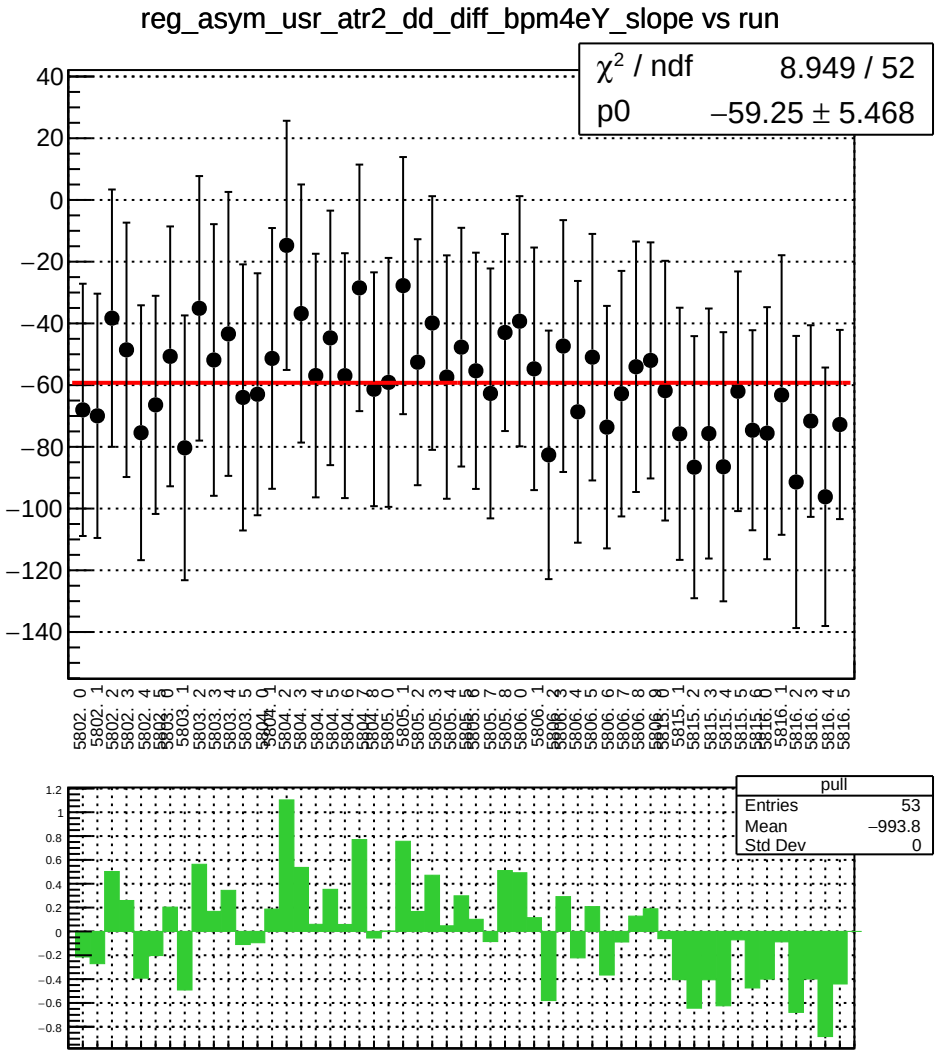

pull1D
Entries 53
Mean 0.009526
Std Dev 0.3837

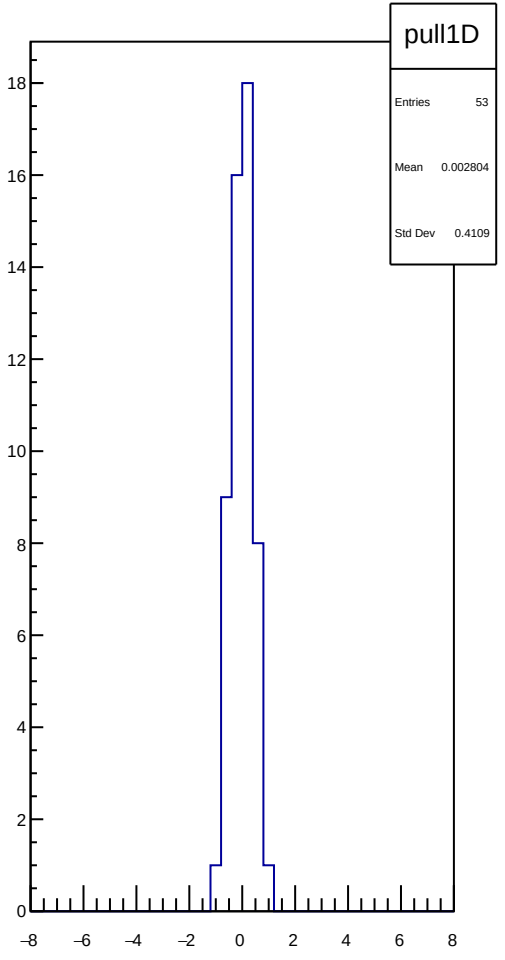

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.783 / 52
p0 −2.246 ± 5.003
pull
Entries 53
Mean −1412
Std Dev 0

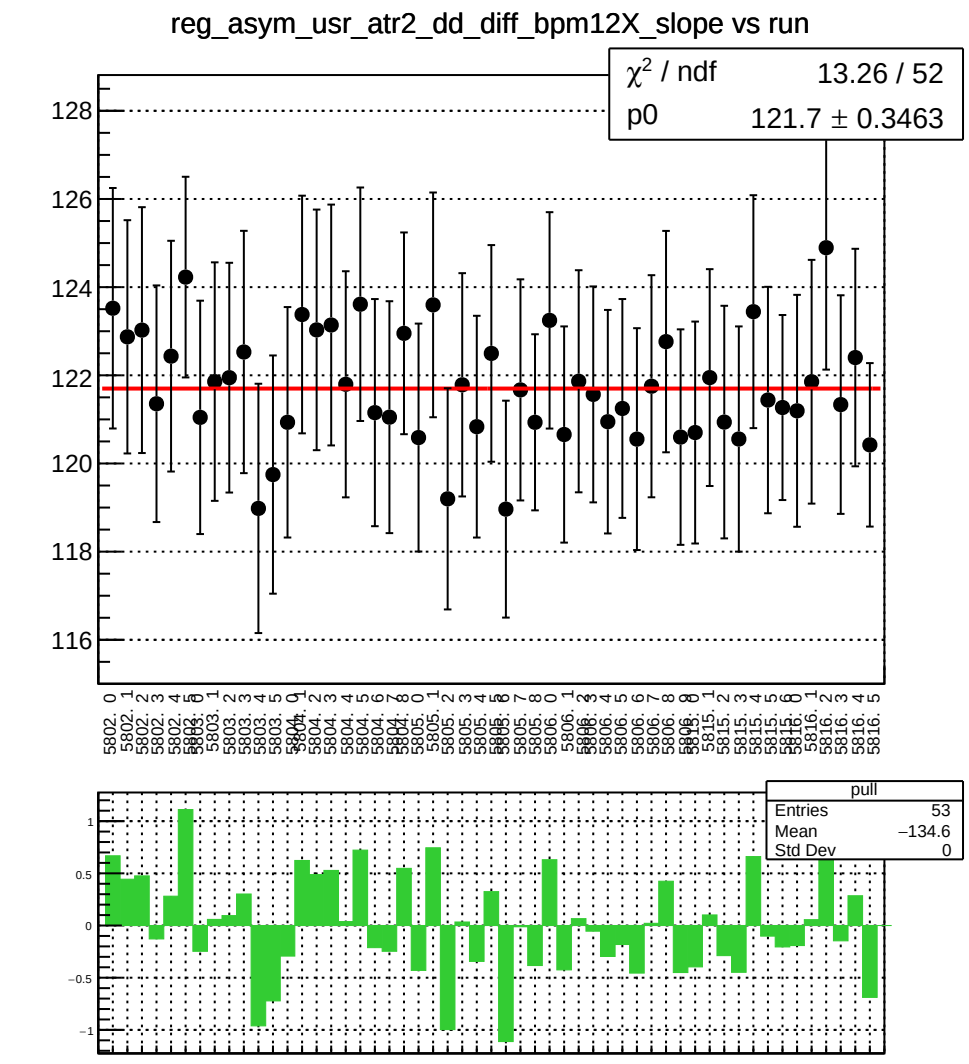

pull1D
Entries 53
Mean −0.002179
Std Dev 0.4296

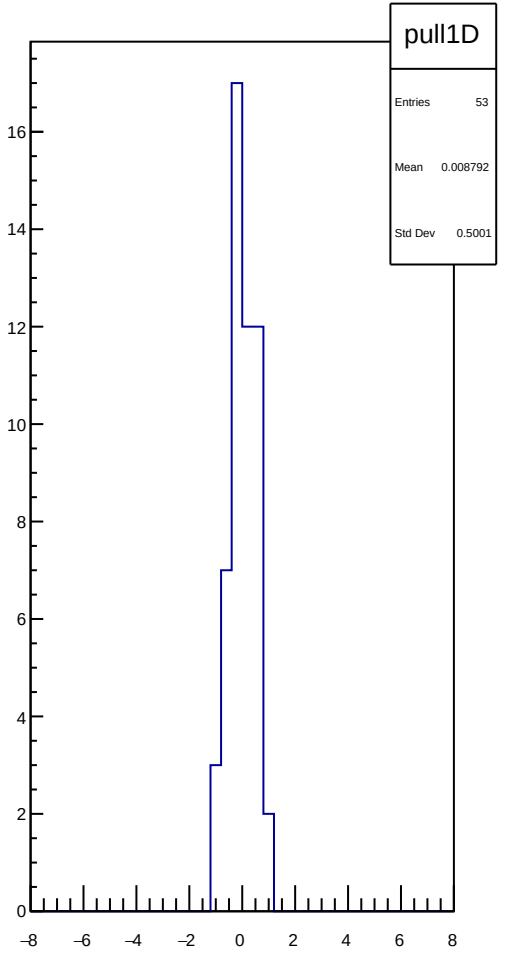

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.393 / 52
p0 −308.8 ± 4.429
pull
Entries 53
Mean −124
Std Dev 0

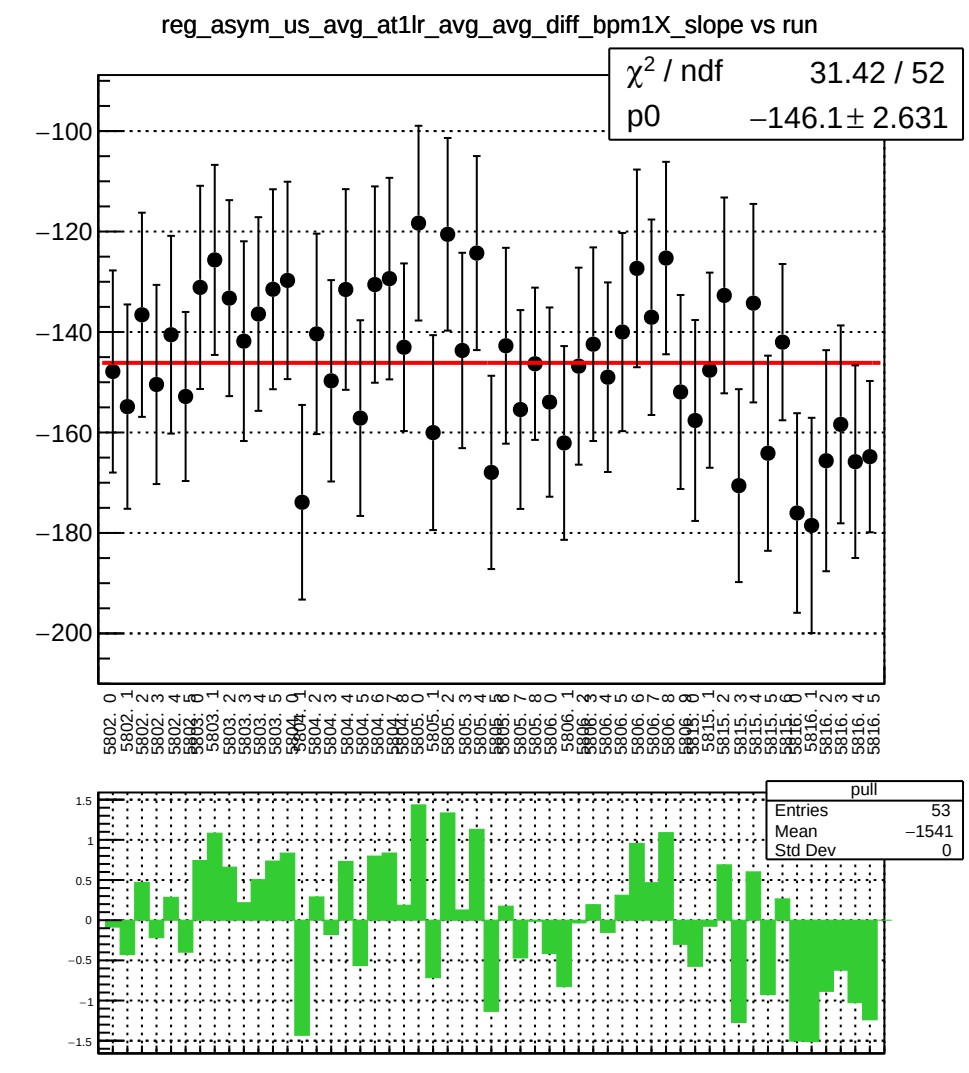

pull1D
Entries 53
Mean −0.01303
Std Dev 0.3733

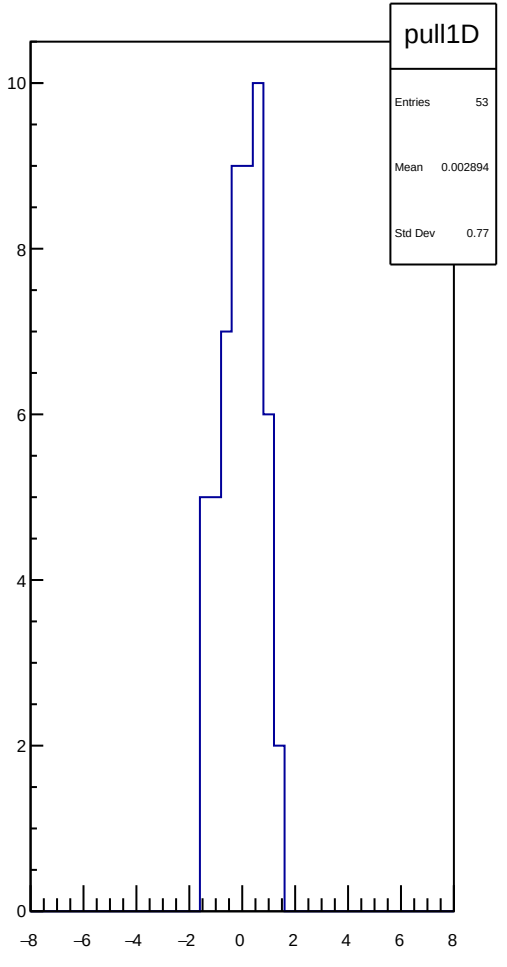

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.949 / 52
p0 −59.25 ± 5.468
pull
Entries 53
Mean −993.8
Std Dev 0

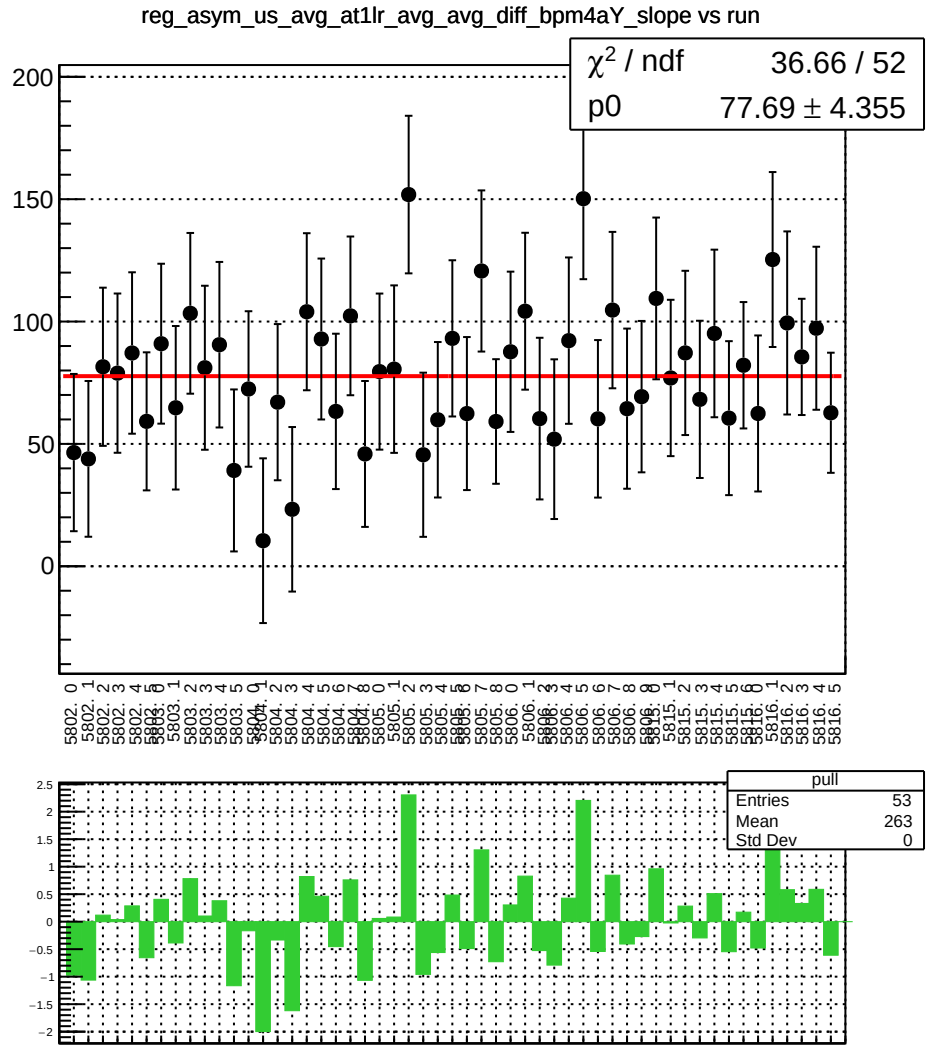

pull1D
Entries 53
Mean 0.002804
Std Dev 0.4109

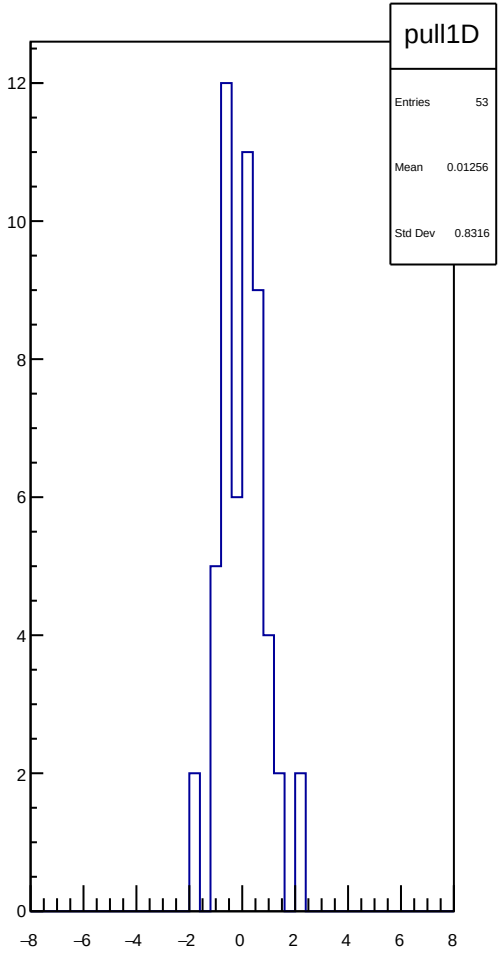

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.26 / 52
p0 121.7 ± 0.3463
128
126
124
122
120
118
116
pull
Entries 53
Mean −134.6
Std Dev 0
1
0.5
0
−0.5
−1

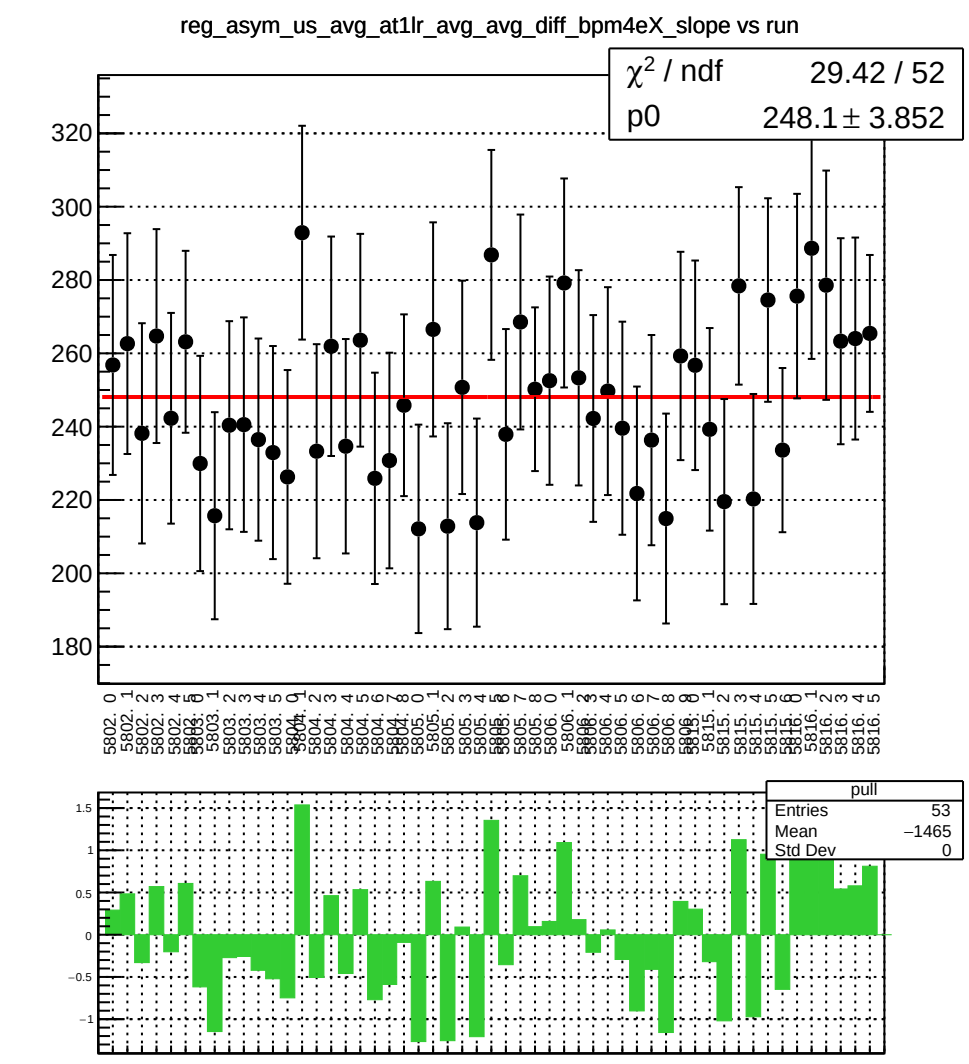

pull1D
Entries 53
Mean 0.008792
Std Dev 0.5001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

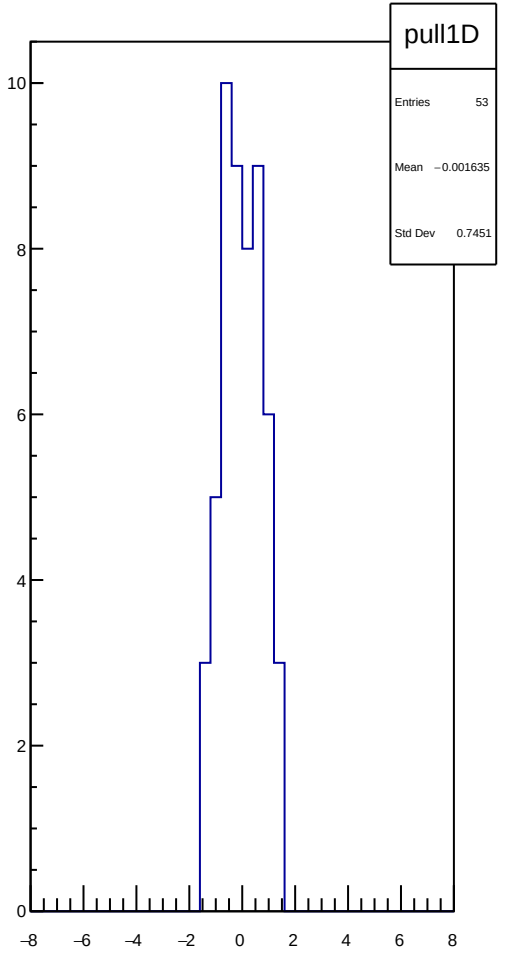

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 31.42 / 52
p0 −146.1 ± 2.631
−100
−120
−140
−160
−180
−200
pull
Entries 53
Mean −1541
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

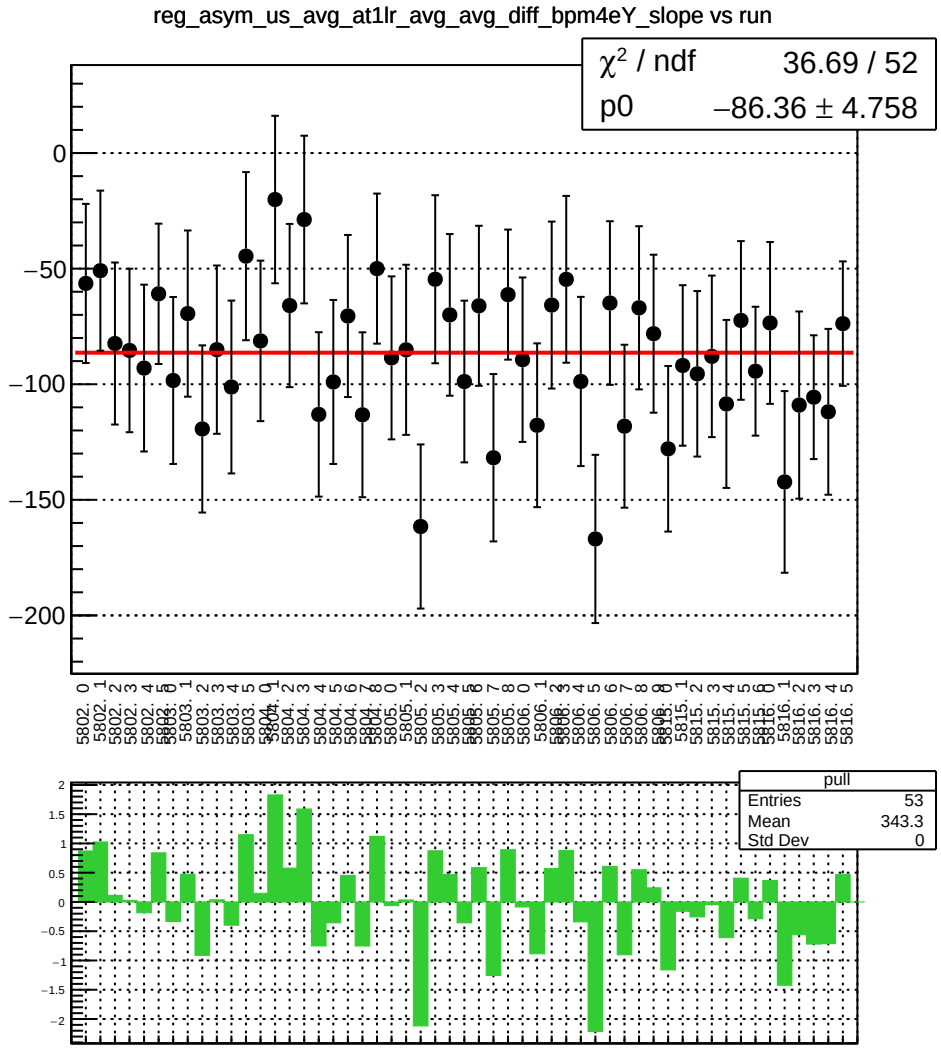

pull1D
Entries 53
Mean 0.002894
Std Dev 0.77
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

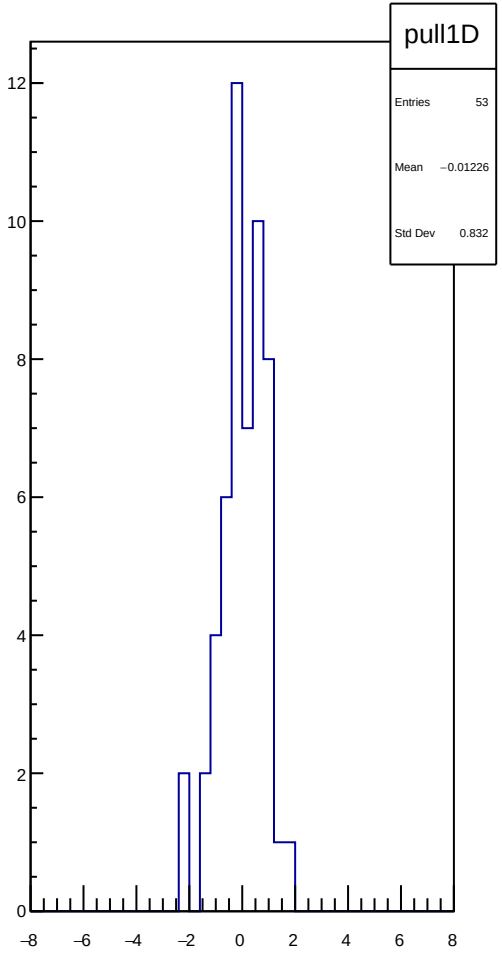

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.66 / 52
p0 77.69 ± 4.355
pull
Entries 53
Mean 263
Std Dev 0

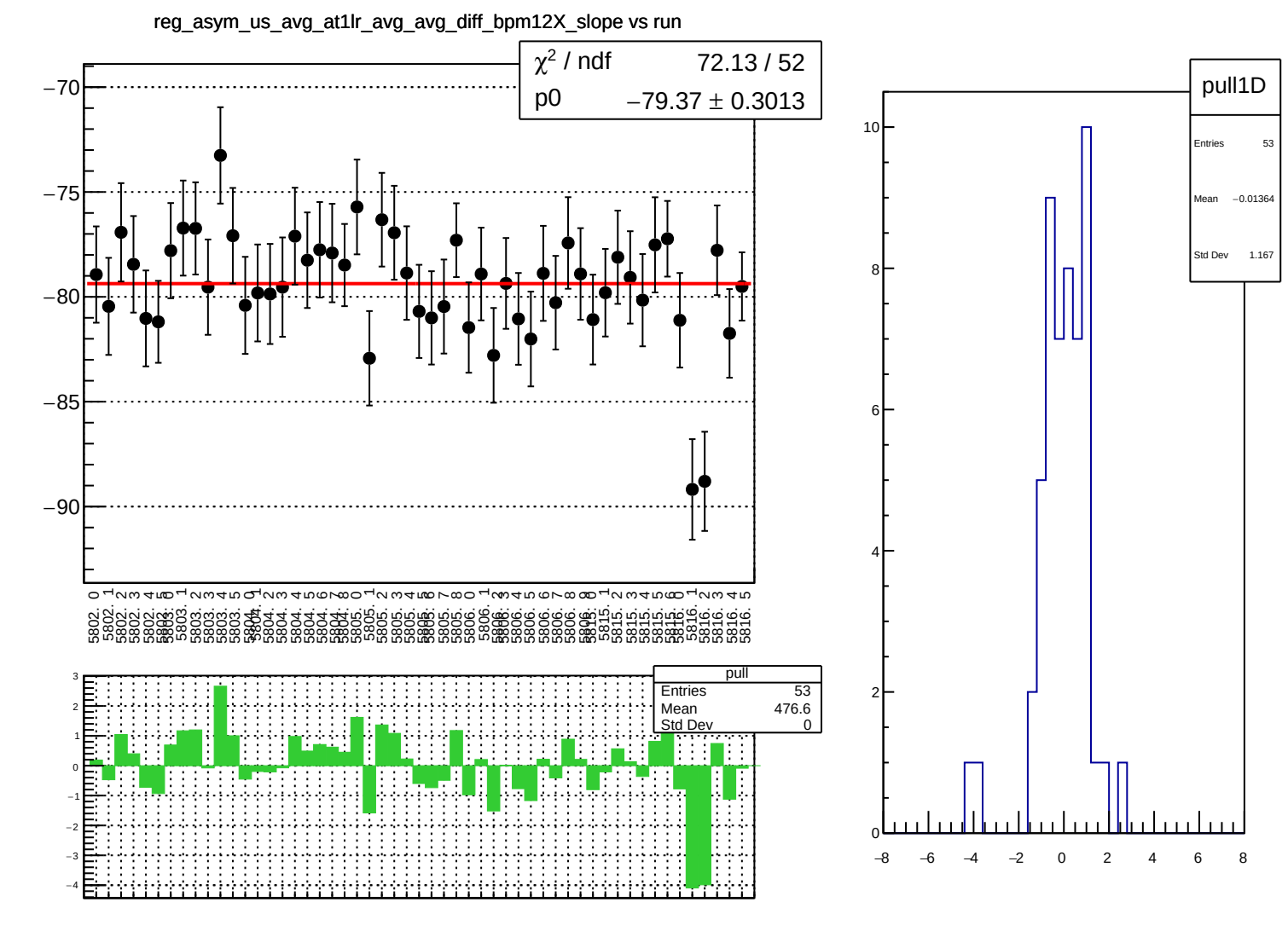

pull1D
Entries 53
Mean 0.01256
Std Dev 0.8316

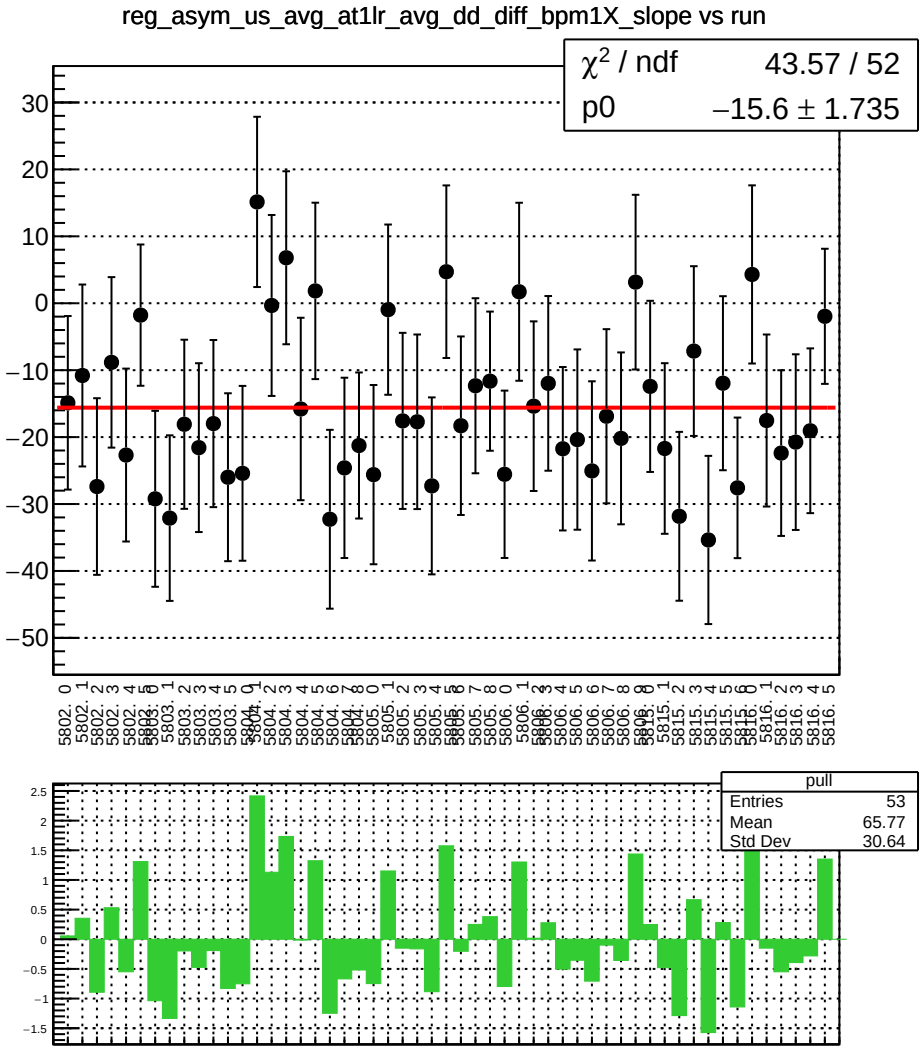

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.42 / 52
p0 248.1 ± 3.852
320
300
280
260
240
220
200
180
pull
Entries 53
Mean −1465
Std Dev 0
1.5
1
0.5
0
−0.5
−1

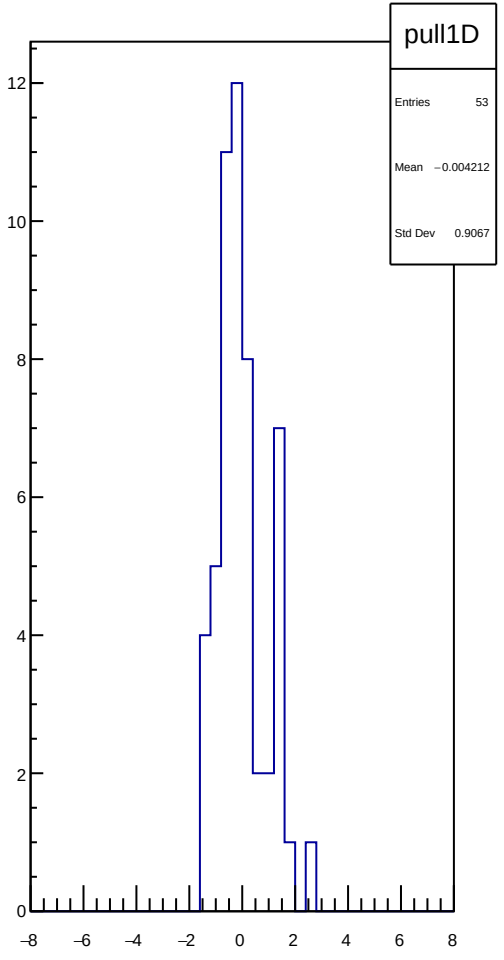

pull1D
Entries 53
Mean −0.001635
Std Dev 0.7451
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

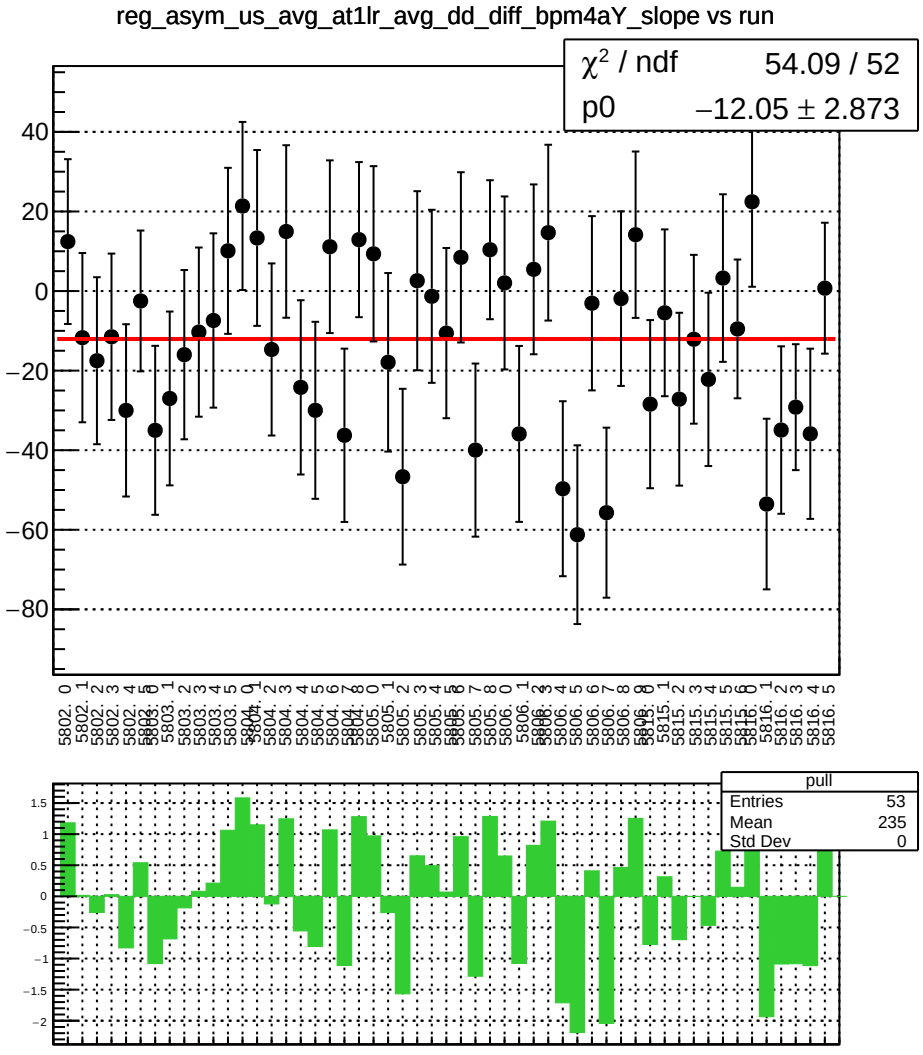

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.69 / 52
p0 −86.36 ± 4.758
pull
Entries 53
Mean 343.3
Std Dev 0

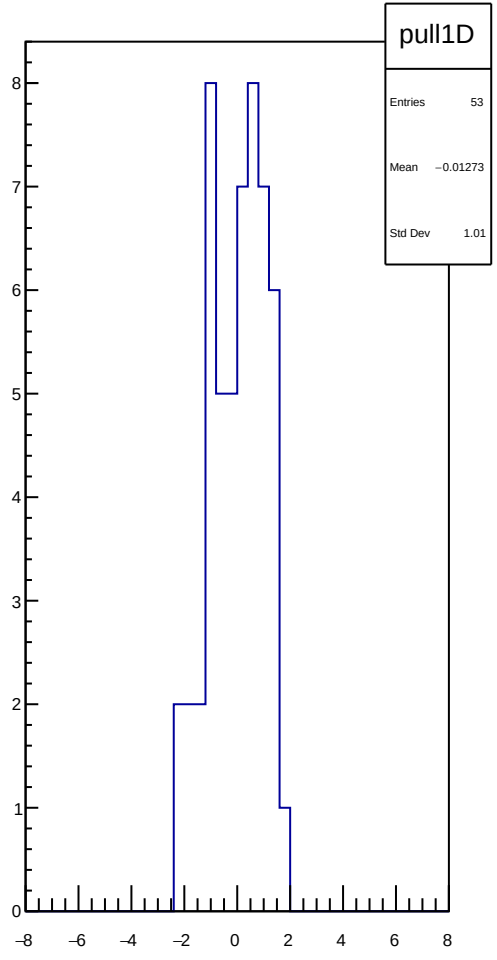

pull1D
Entries 53
Mean −0.01226
Std Dev 0.832

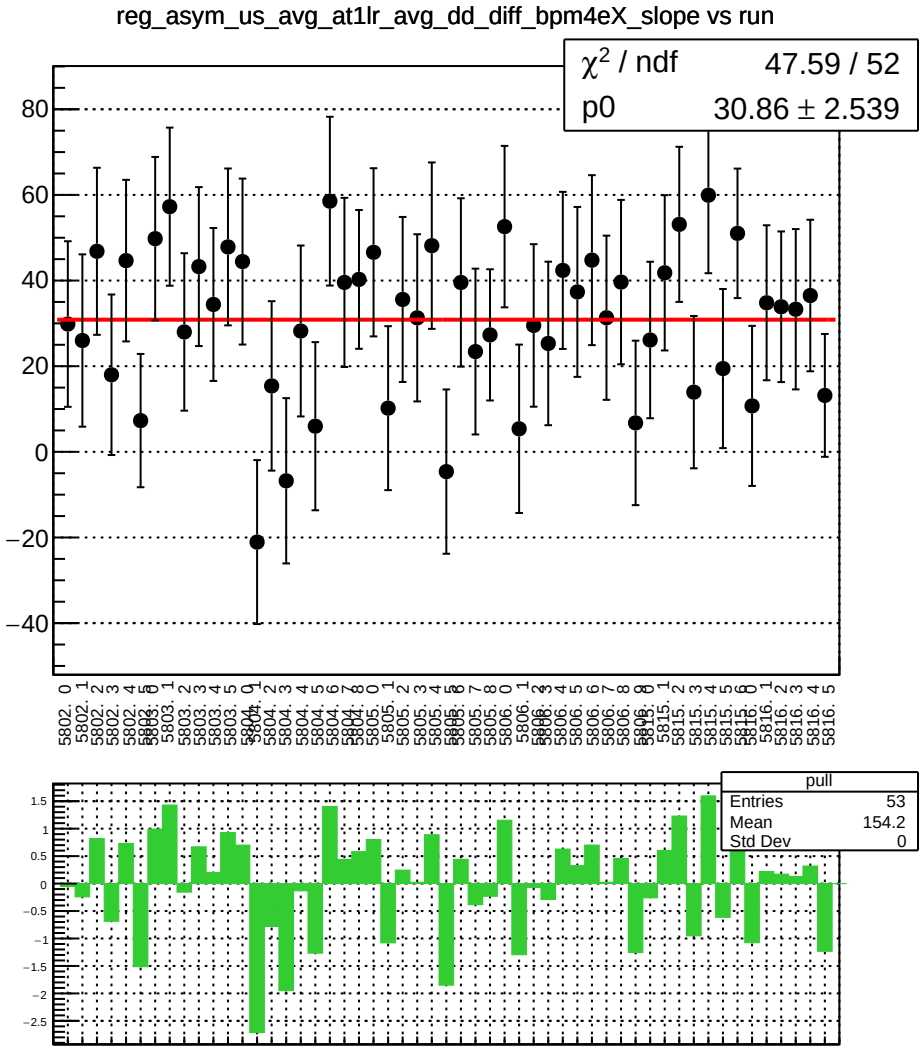

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 72.13 / 52
p0 −79.37 ± 0.3013
pull
Entries 53
Mean 476.6
Std Dev 0
pull1D
Entries 53
Mean −0.01364
Std Dev 1.167

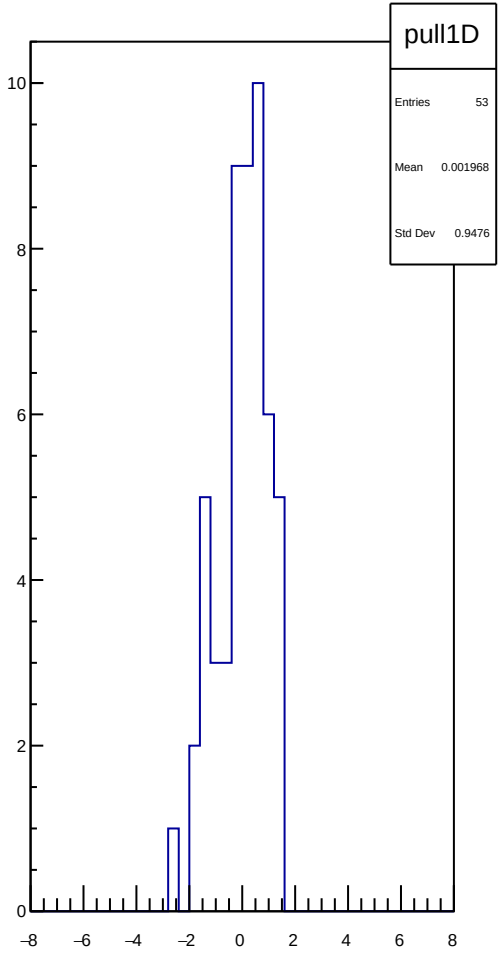

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 43.57 / 52
p0 −15.6 ± 1.735
pull
Entries 53
Mean 65.77
Std Dev 30.64

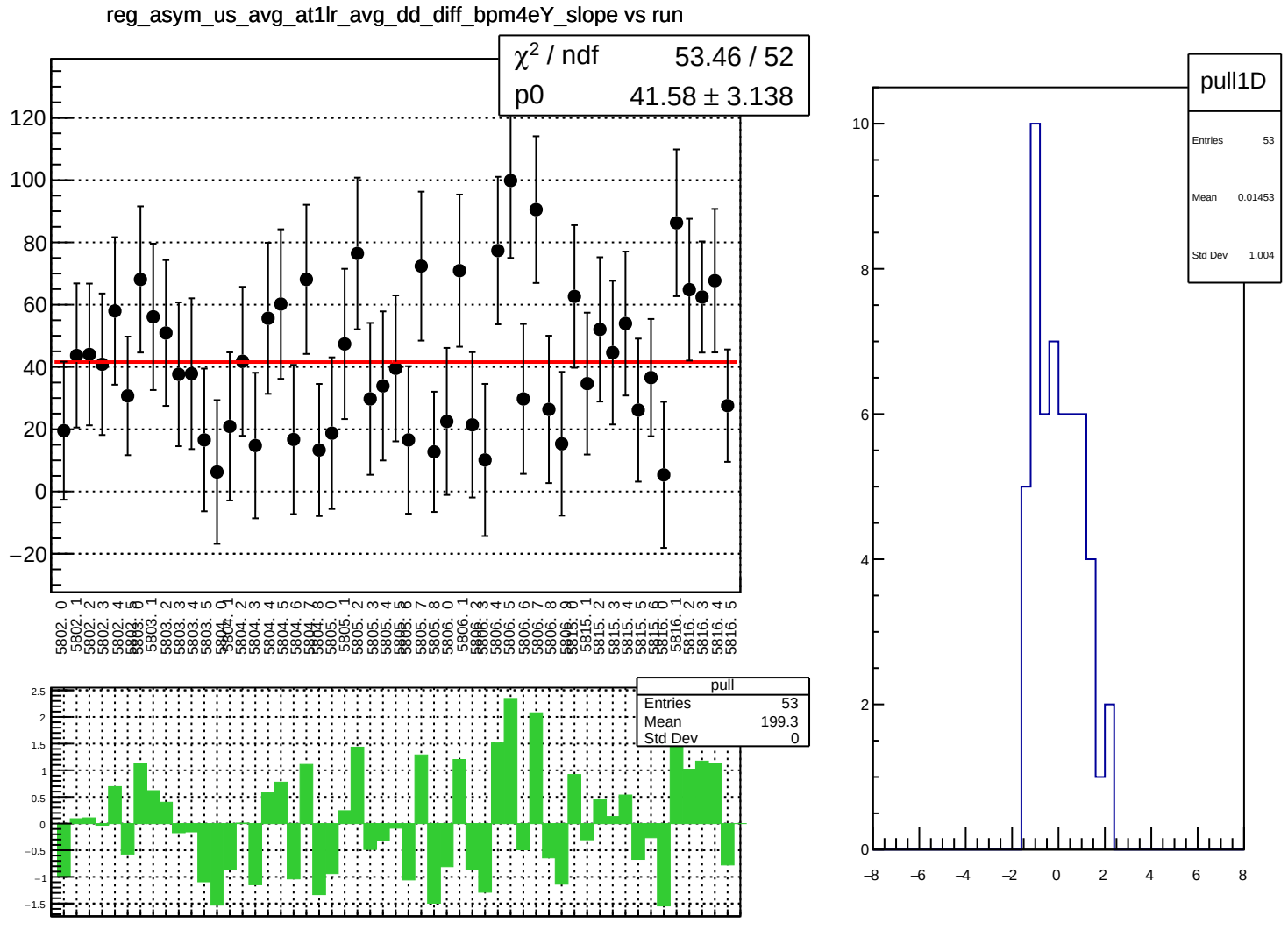

pull1D
Entries 53
Mean −0.004212
Std Dev 0.9067

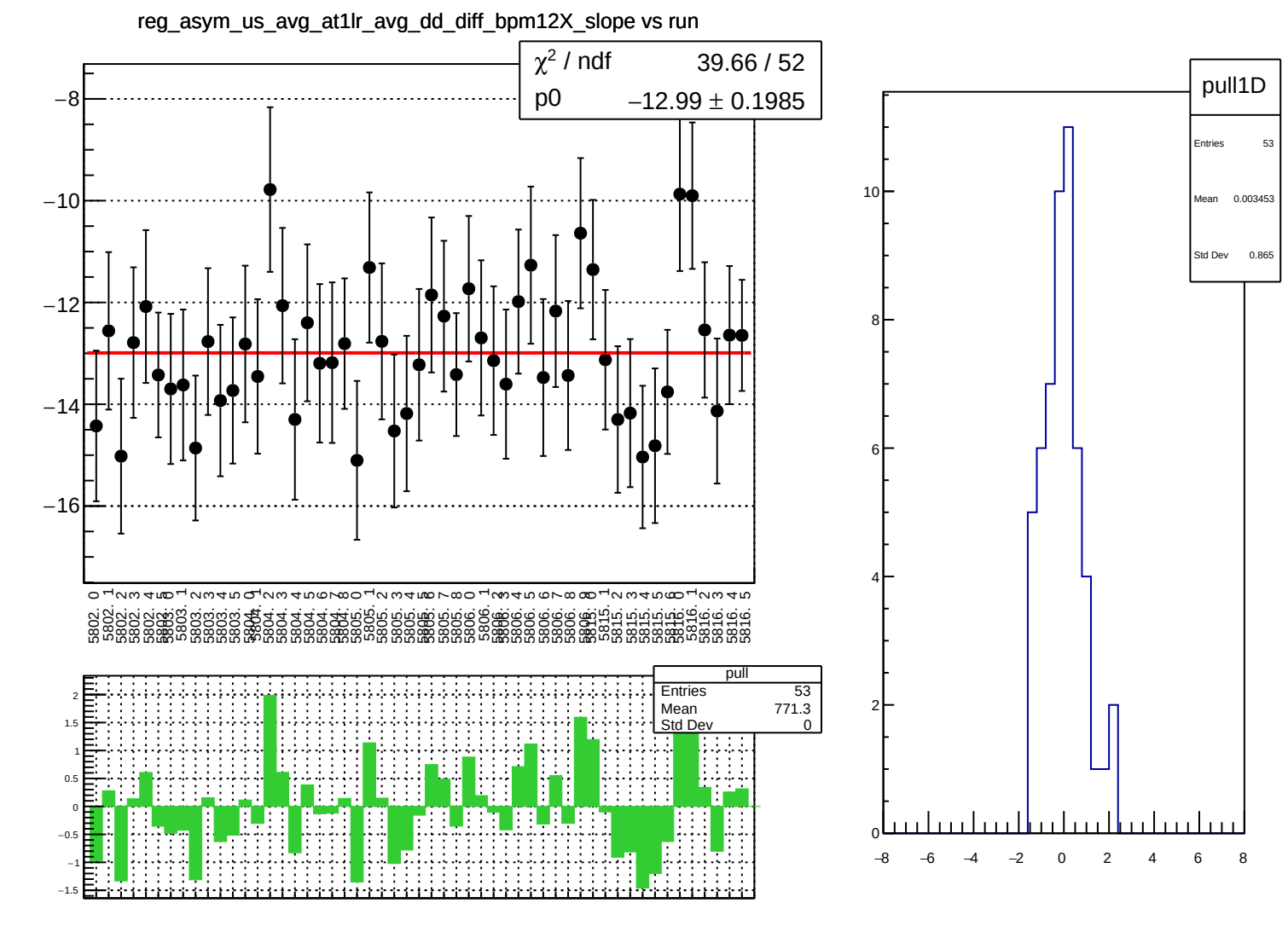

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.09 / 52
p0 −12.05 ± 2.873
pull
Entries 53
Mean 235
Std Dev 0

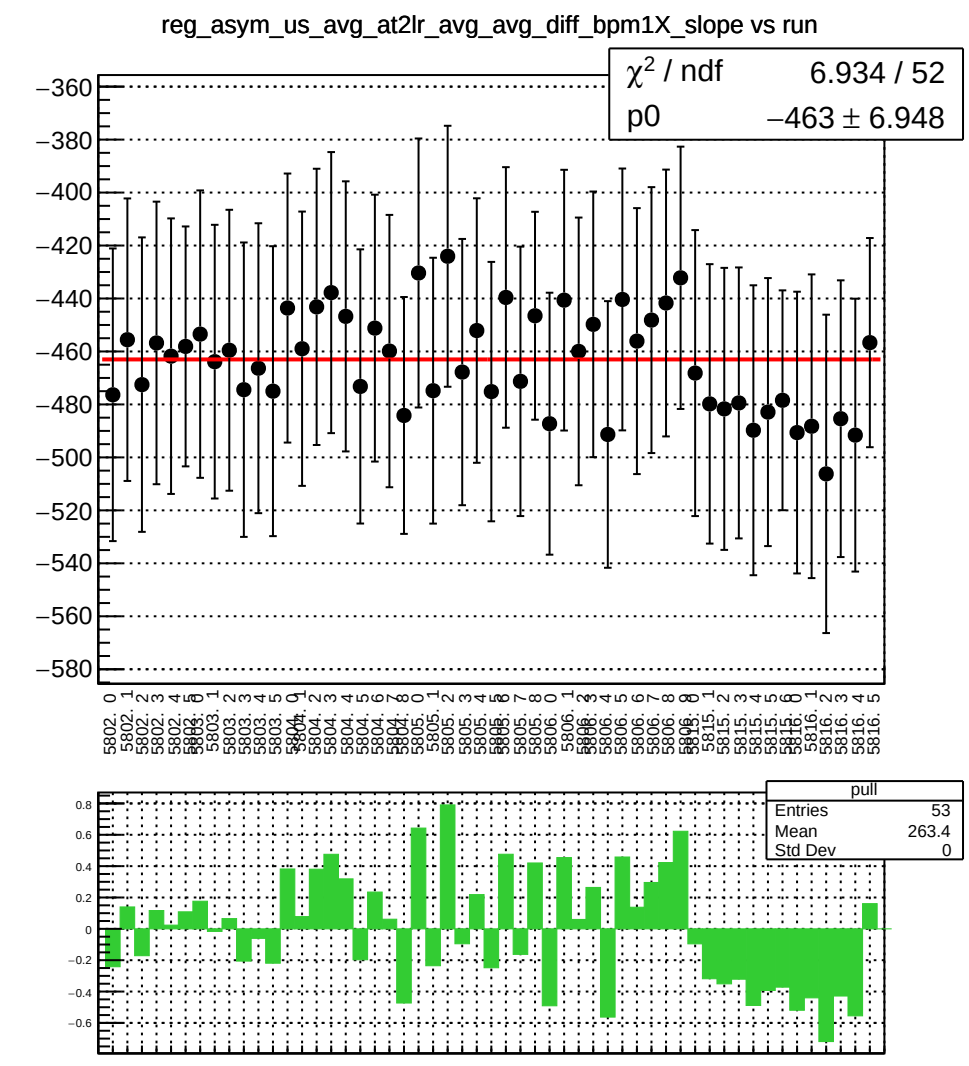

pull1D
Entries 53
Mean −0.01273
Std Dev 1.01

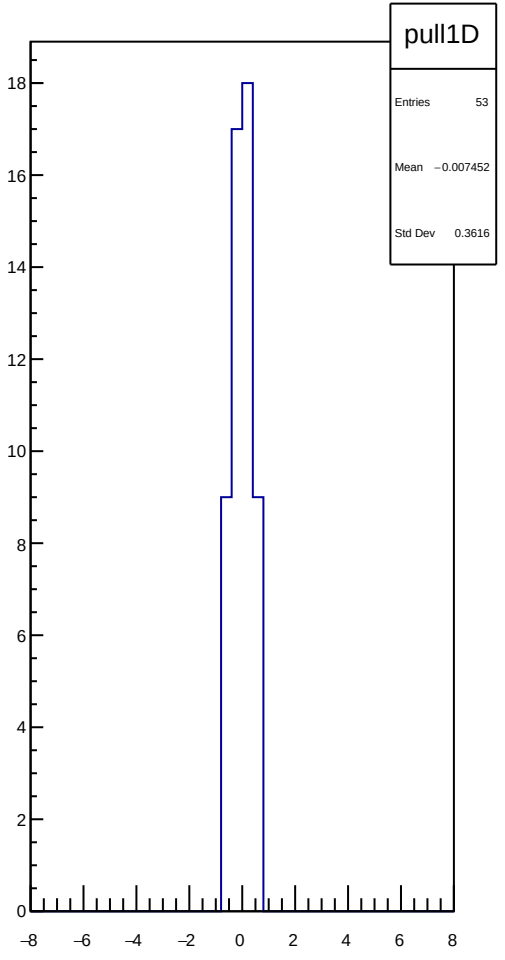

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.59 / 52
p0 30.86 ± 2.539
pull
Entries 53
Mean 154.2
Std Dev 0

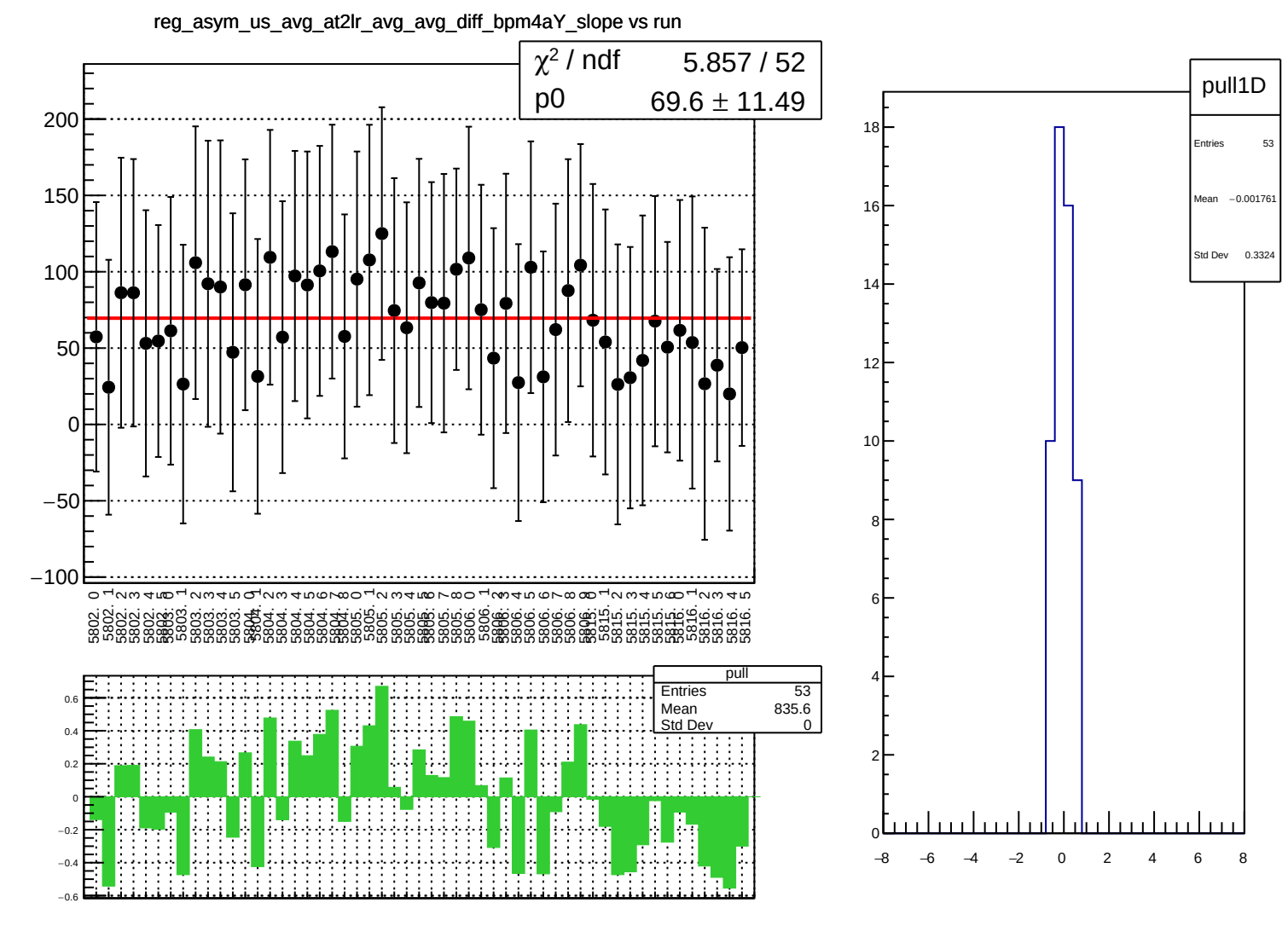

pull1D
Entries 53
Mean 0.001968
Std Dev 0.9476

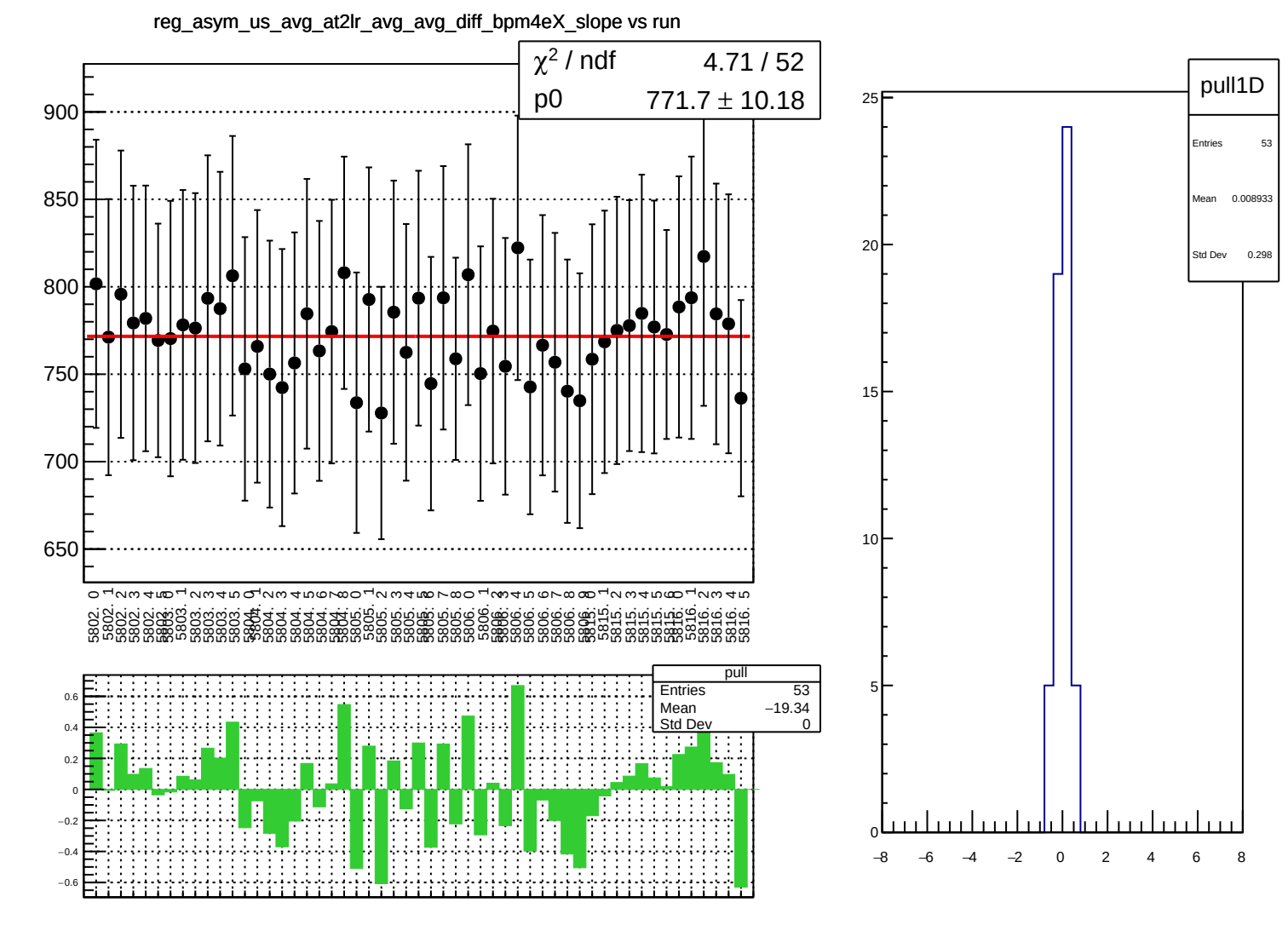

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.46 / 52
p0 41.58 ± 3.138
pull
Entries 53
Mean 199.3
Std Dev 0
pull1D
Entries 53
Mean 0.01453
Std Dev 1.004

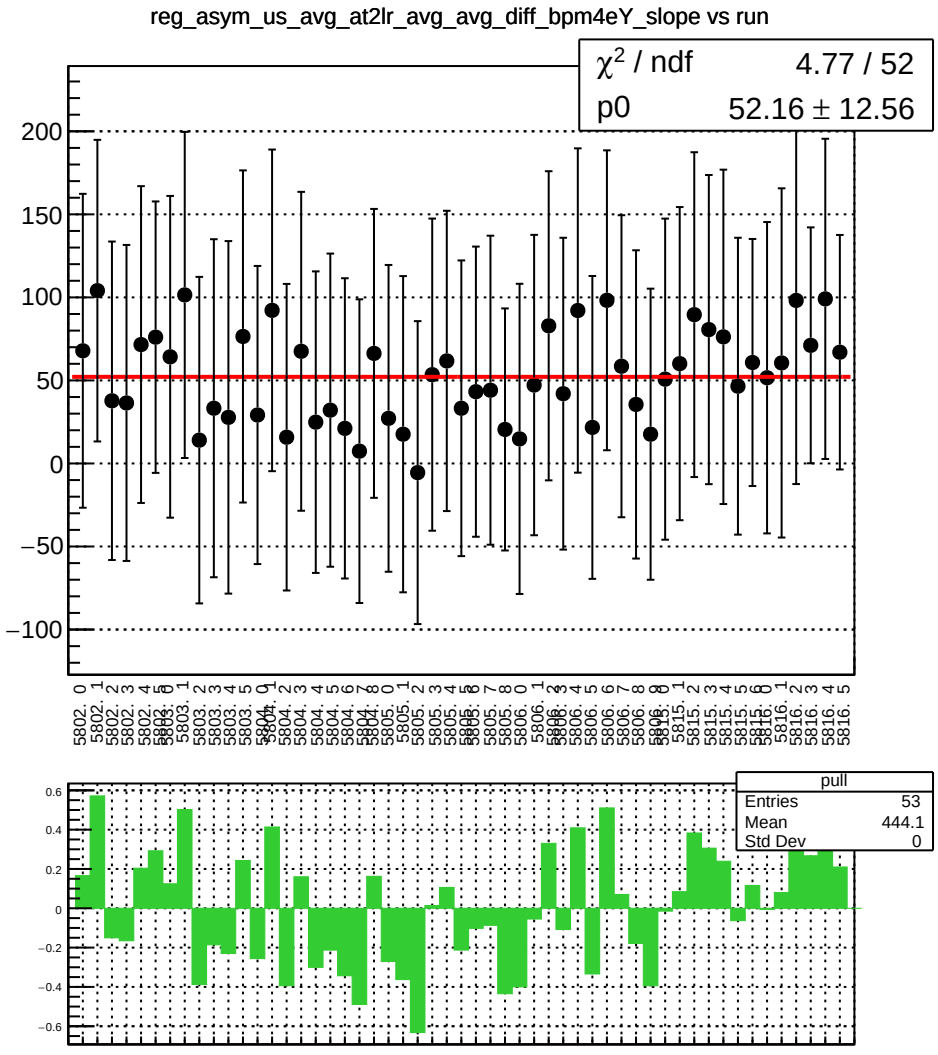

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 39.66 / 52
p0 −12.99 ± 0.1985
pull
Entries 53
Mean 771.3
Std Dev 0
pull1D
Entries 53
Mean 0.003453
Std Dev 0.865

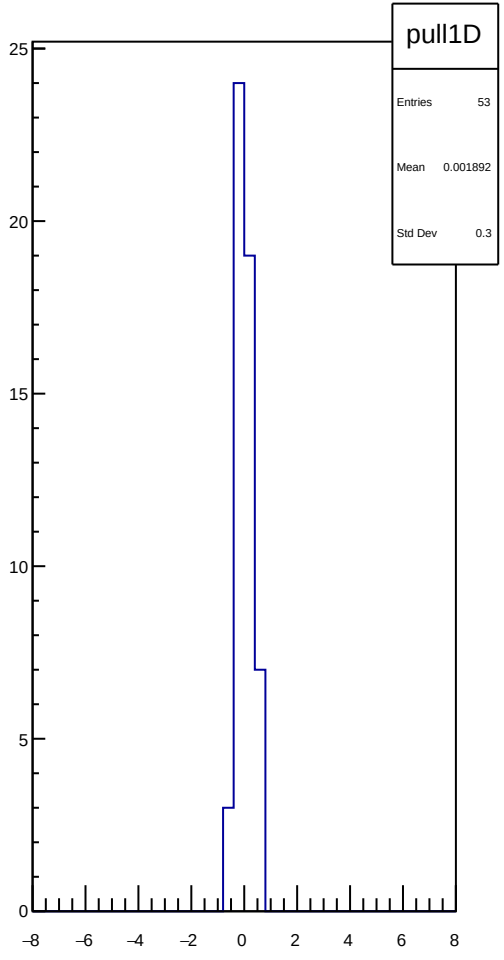

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.934 / 52
p0 −463 ± 6.948
pull
Entries 53
Mean 263.4
Std Dev 0

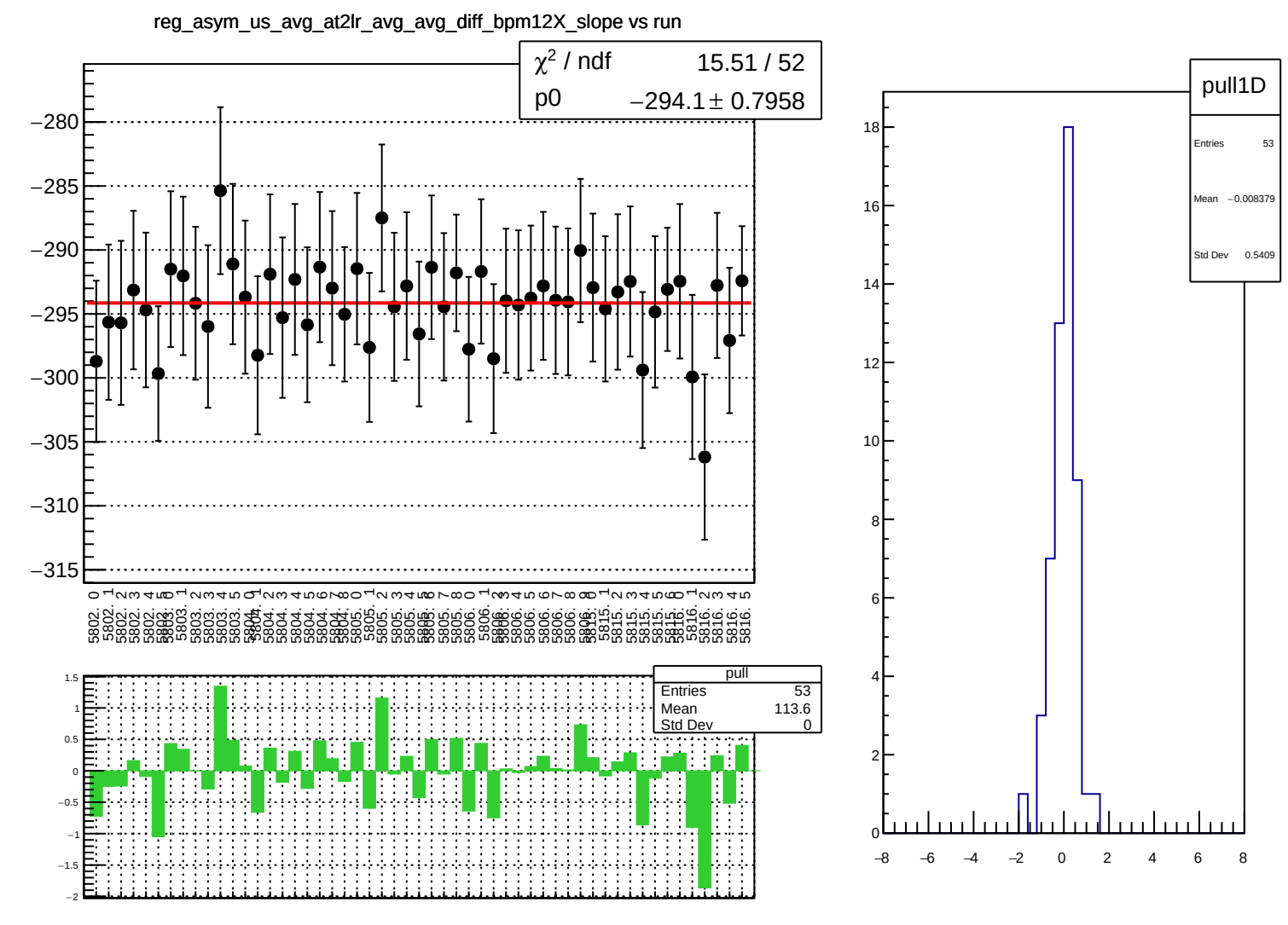

pull1D
Entries 53
Mean −0.007452
Std Dev 0.3616

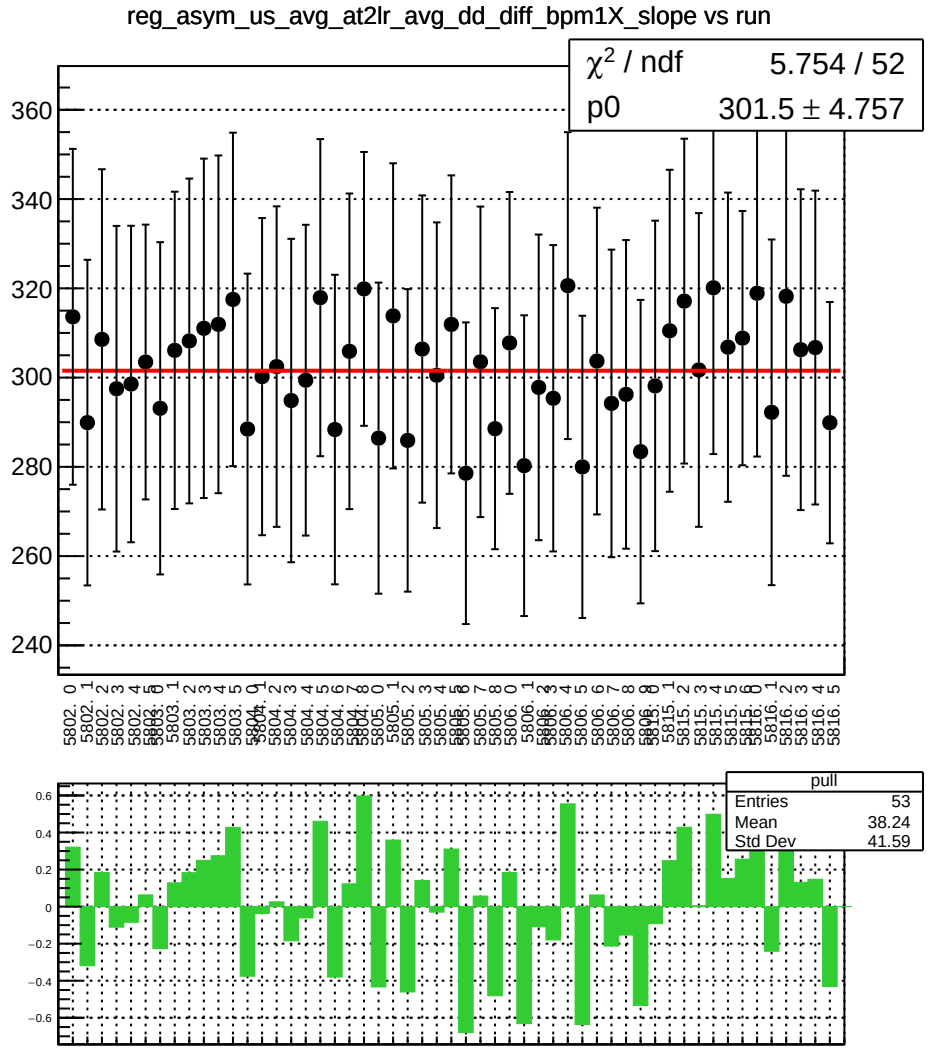

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.857 / 52
p0 69.6 ± 11.49
pull
Entries 53
Mean 835.6
Std Dev 0
pull1D
Entries 53
Mean −0.001761
Std Dev 0.3324

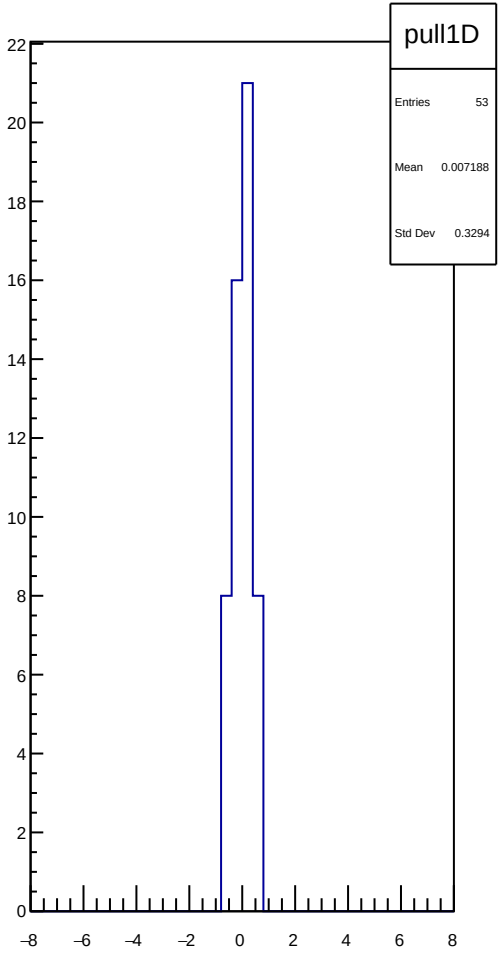

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.71 / 52
p0 771.7 ± 10.18
900
850
800
750
700
650
pull
Entries 53
Mean −19.34
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 53
Mean 0.008933
Std Dev 0.298
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

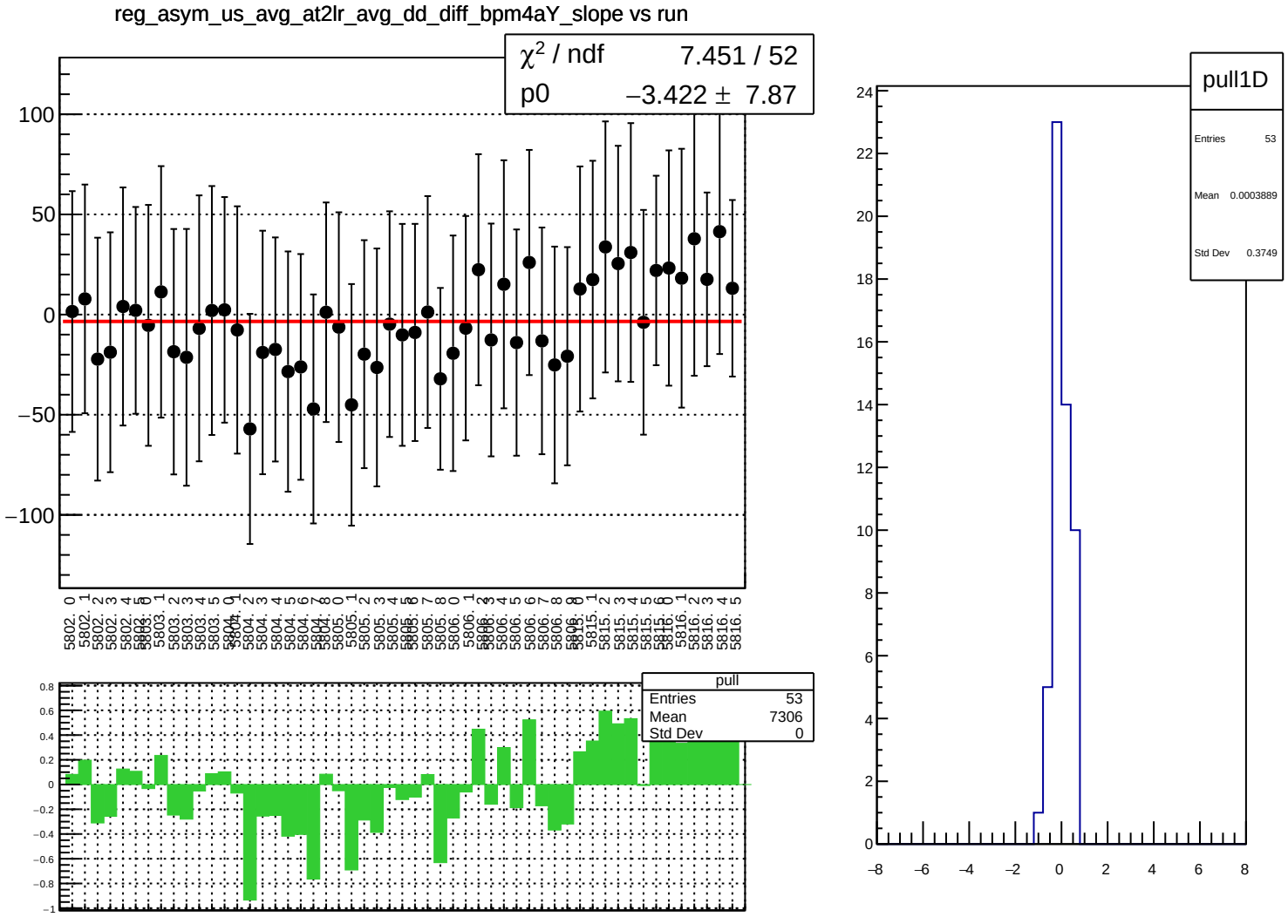

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.77 / 52
p0 52.16 ± 12.56
pull
Entries 53
Mean 444.1
Std Dev 0

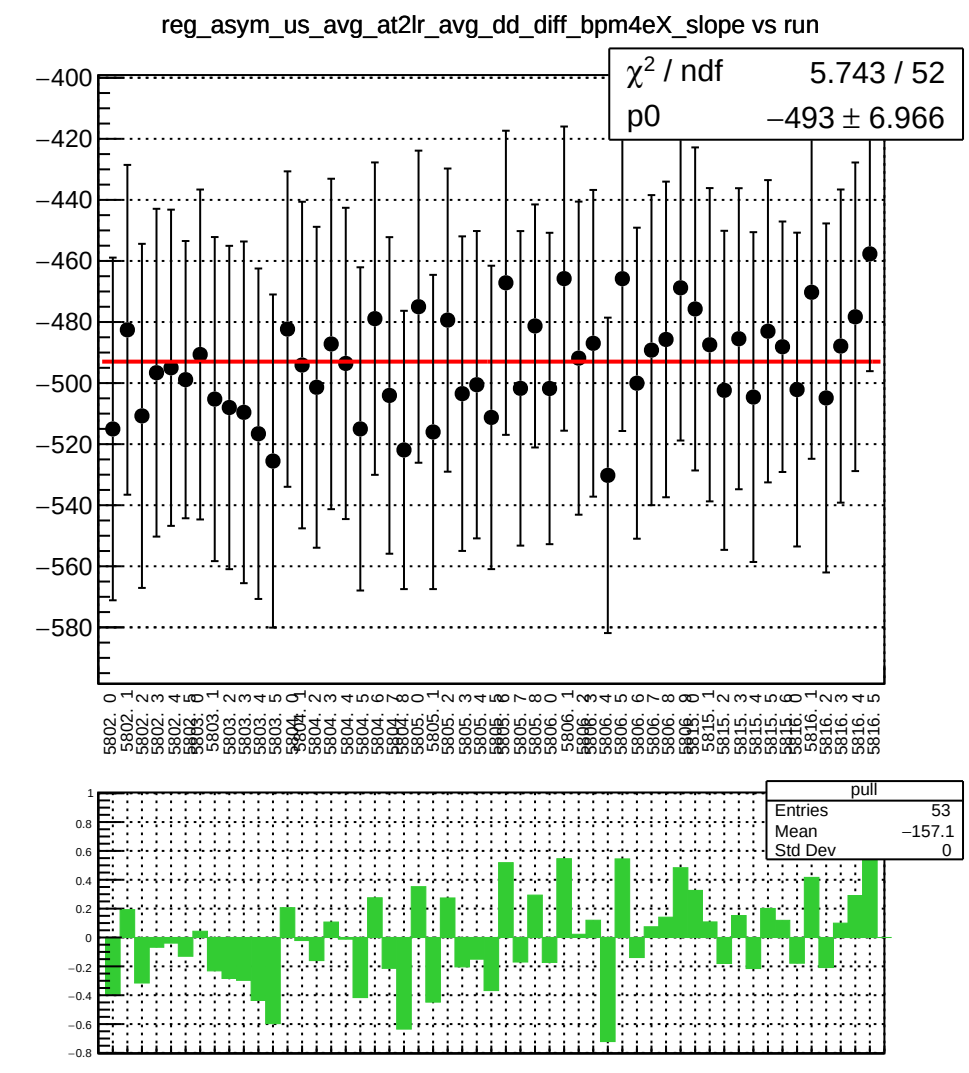

pull1D
Entries 53
Mean 0.001892
Std Dev 0.3

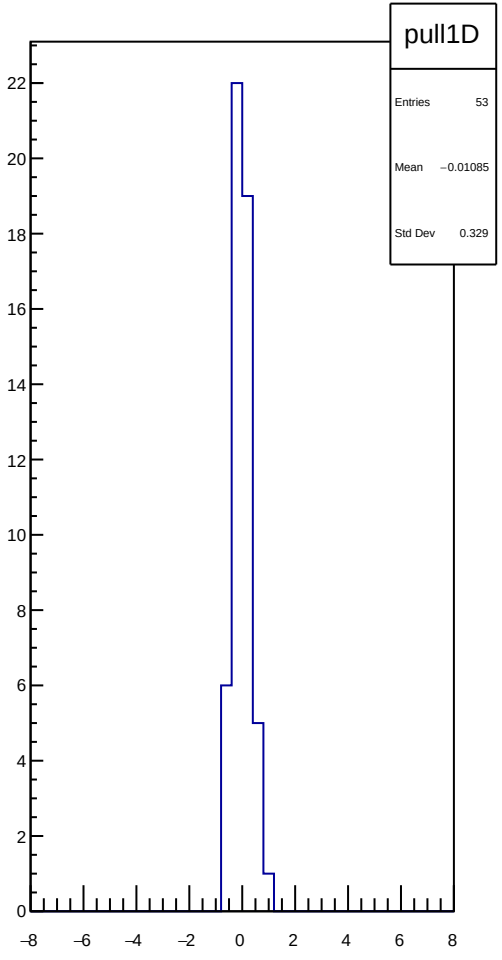

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 15.51 / 52
p0 −294.1 ± 0.7958
pull
Entries 53
Mean 113.6
Std Dev 0
pull1D
Entries 53
Mean −0.008379
Std Dev 0.5409

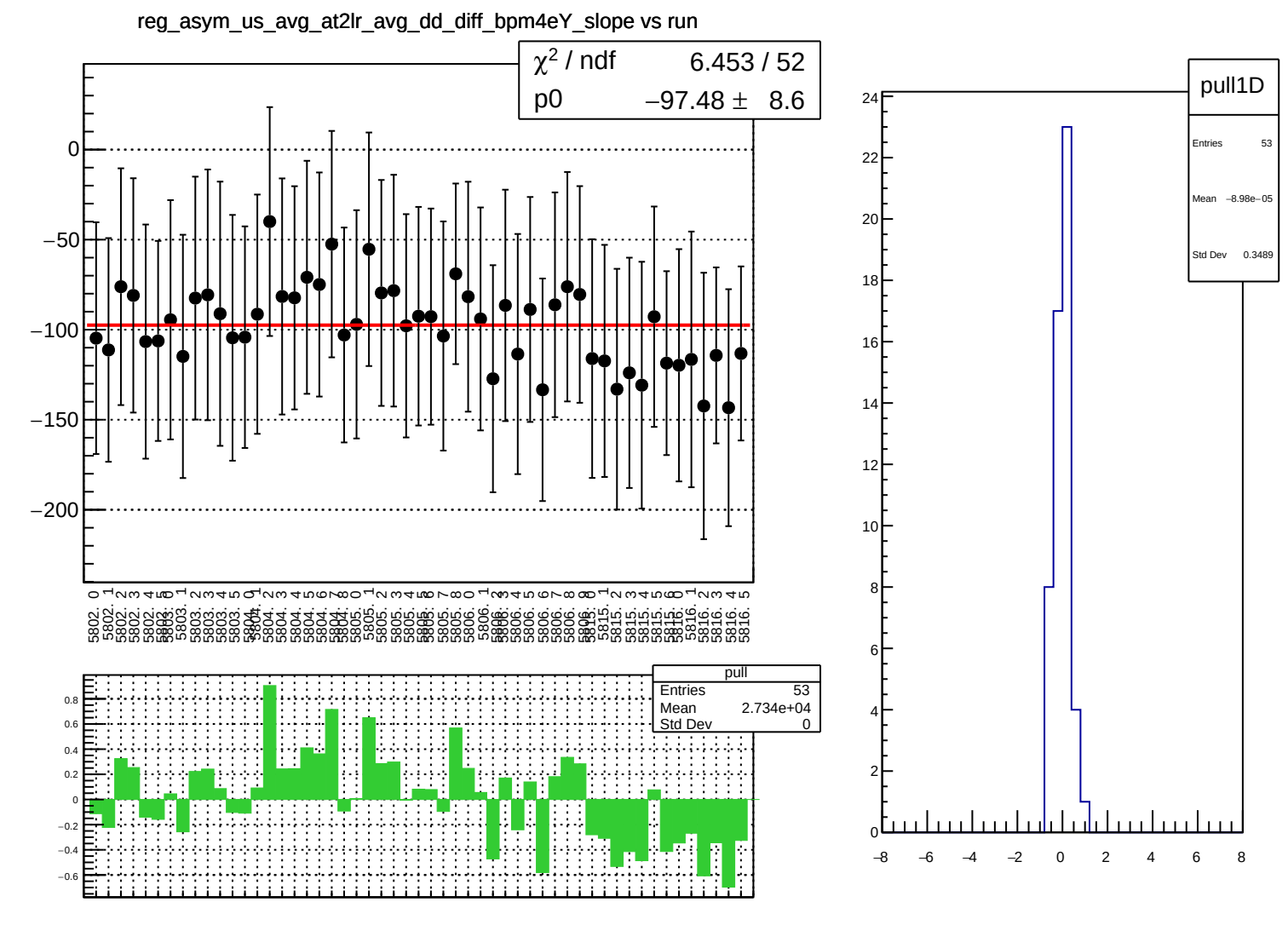

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 5.754 / 52
p0 301.5 ± 4.757
pull
Entries 53
Mean 38.24
Std Dev 41.59

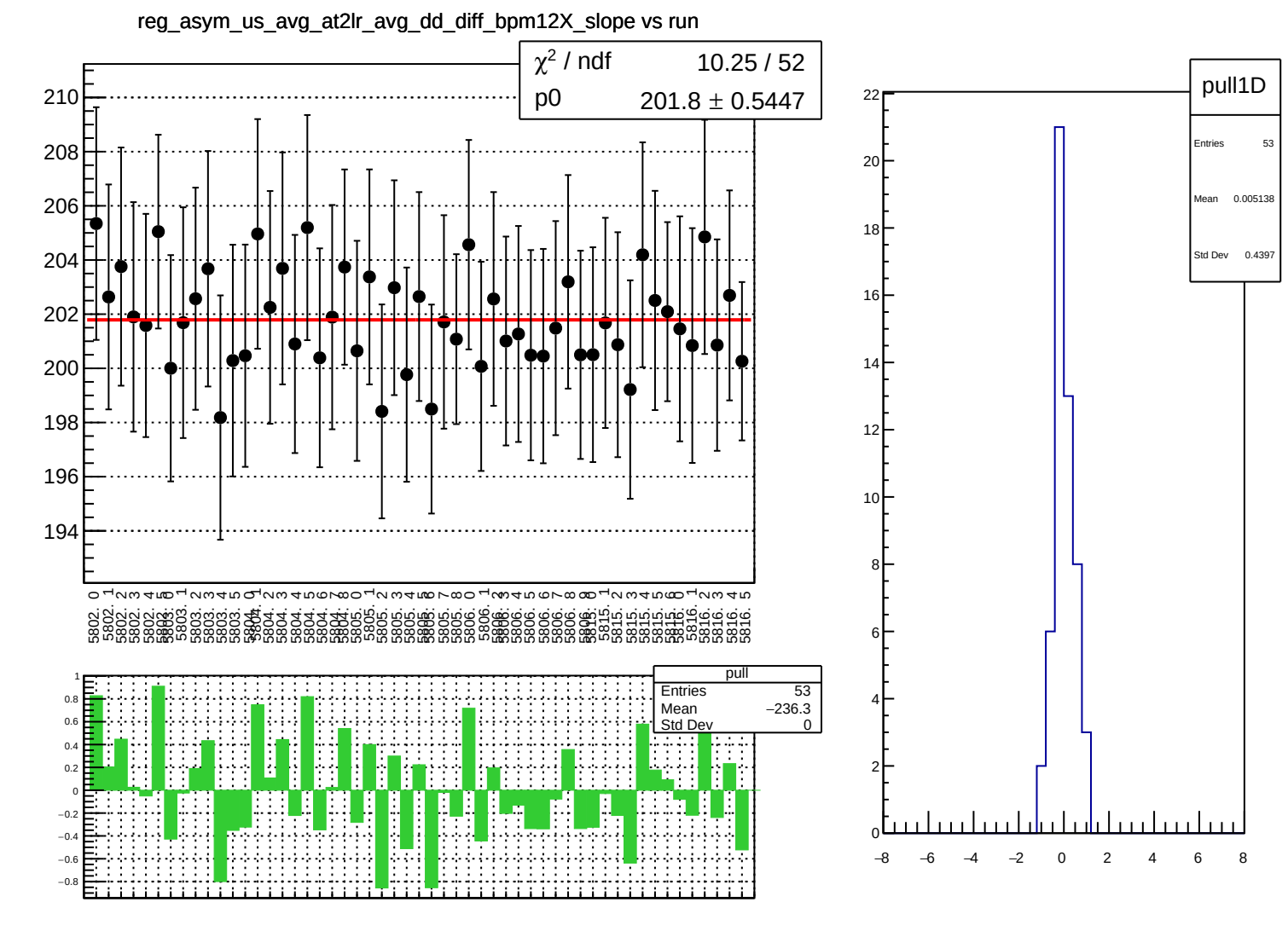

pull1D
Entries 53
Mean 0.007188
Std Dev 0.3294

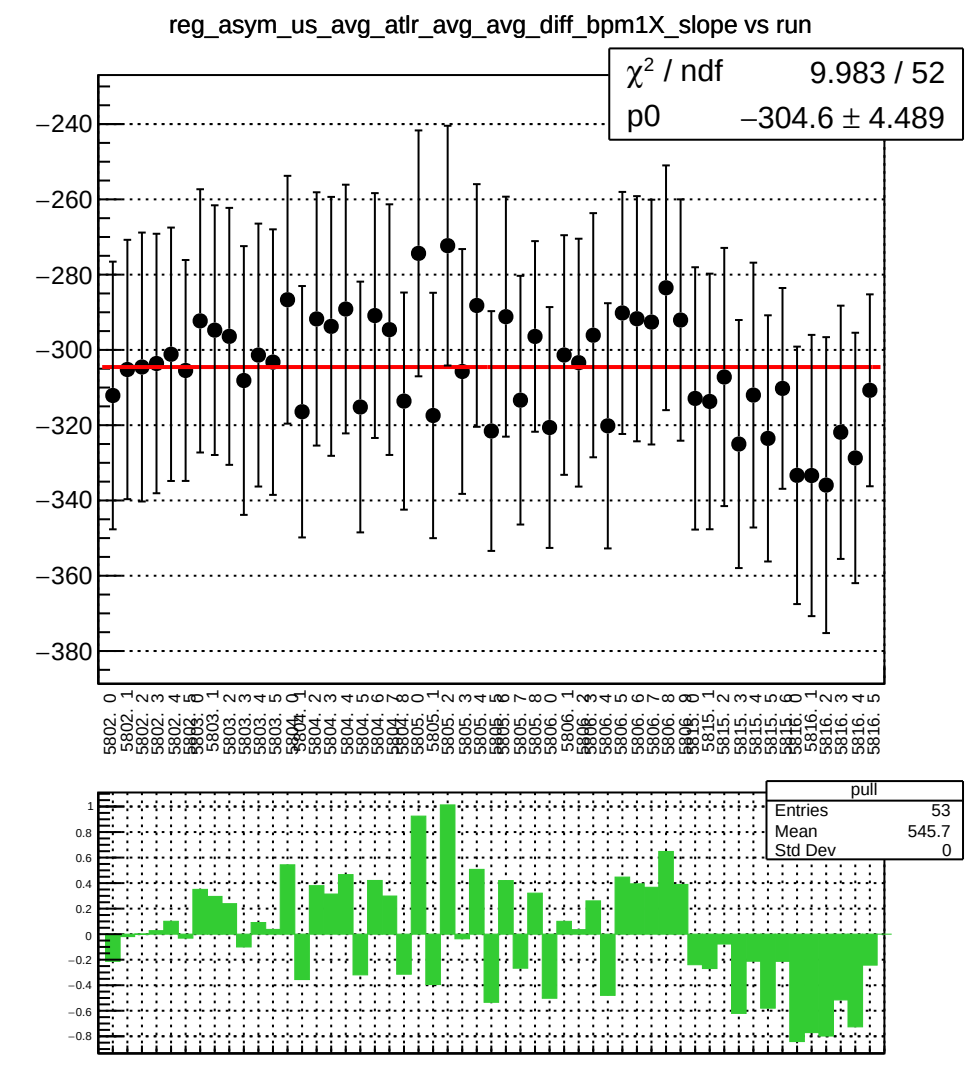

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.451 / 52
p0 −3.422 ± 7.87
pull
Entries 53
Mean 7306
Std Dev 0
pull1D
Entries 53
Mean 0.0003889
Std Dev 0.3749

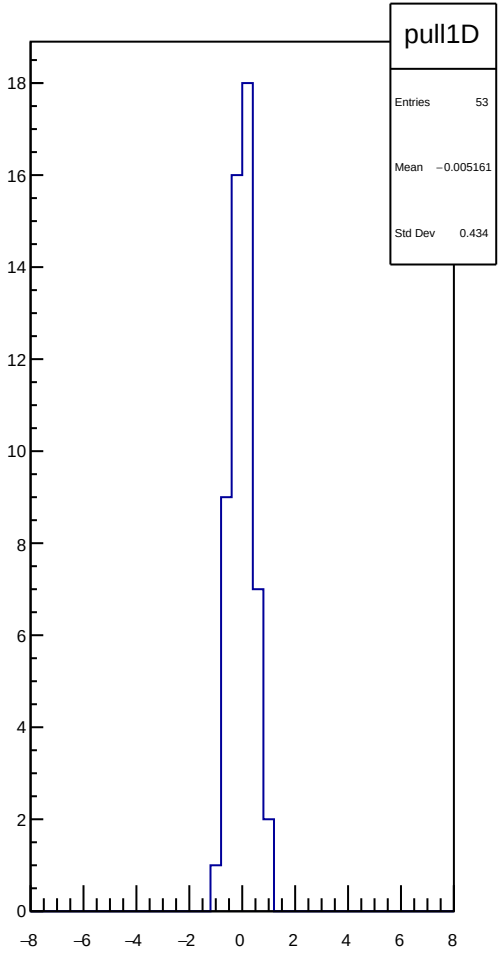

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.743 / 52
p0 −493 ± 6.966
pull
Entries 53
Mean −157.1
Std Dev 0

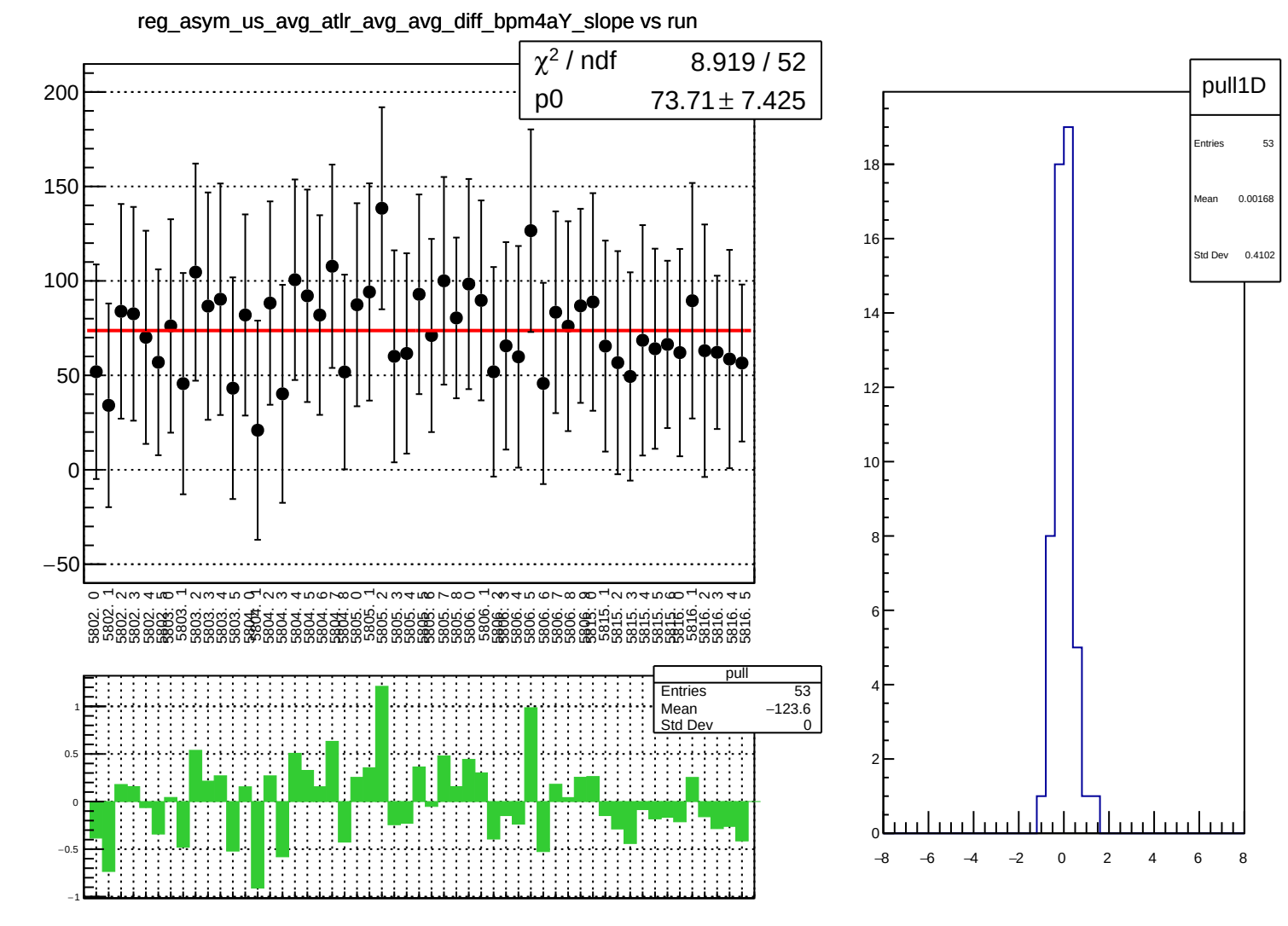

pull1D
Entries 53
Mean −0.01085
Std Dev 0.329

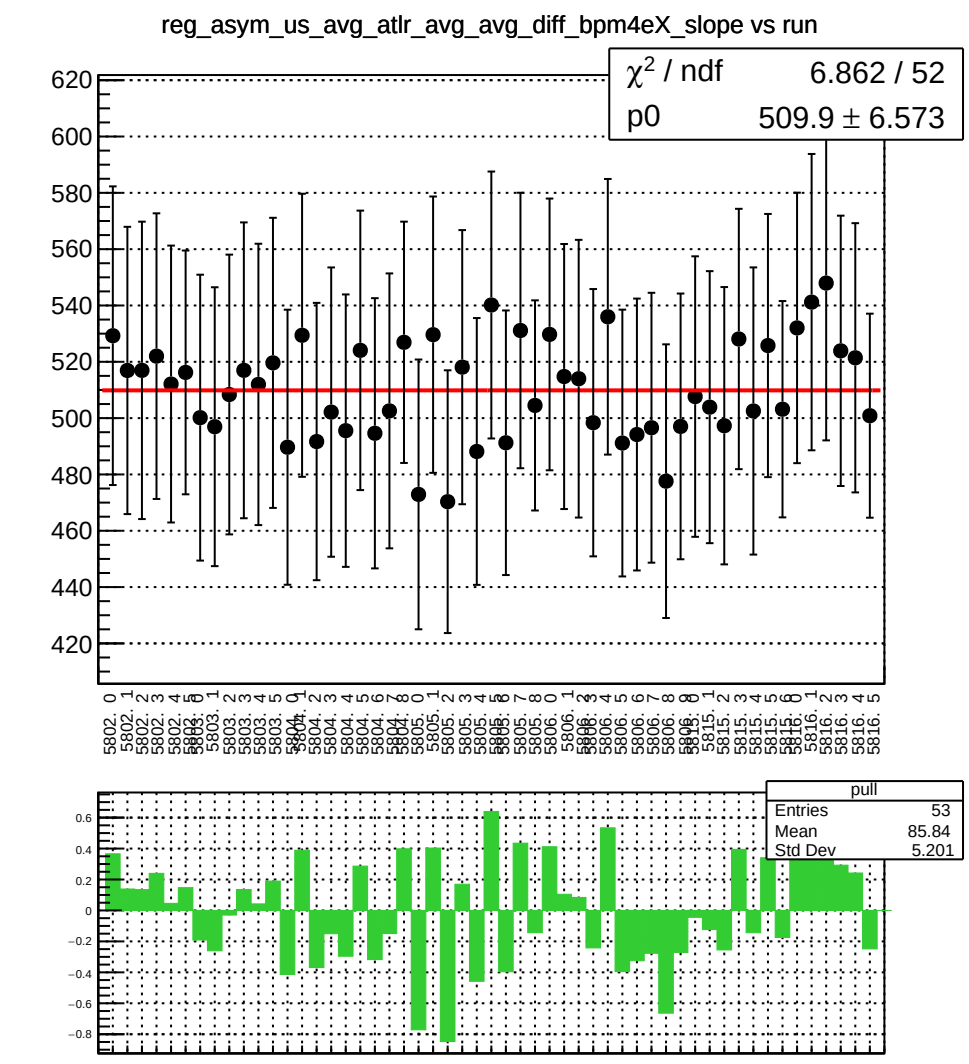

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.453 / 52
p0 −97.48 ± 8.6
pull
Entries 53
Mean 2.734e+04
Std Dev 0
pull1D
Entries 53
Mean −8.98e−05
Std Dev 0.3489

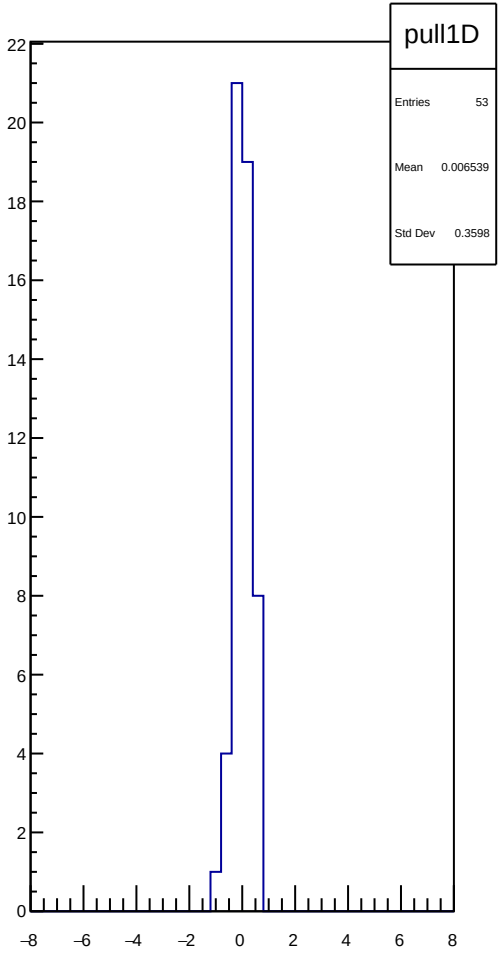

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 10.25 / 52
p0 201.8 ± 0.5447
pull
Entries 53
Mean −236.3
Std Dev 0
pull1D
Entries 53
Mean 0.005138
Std Dev 0.4397

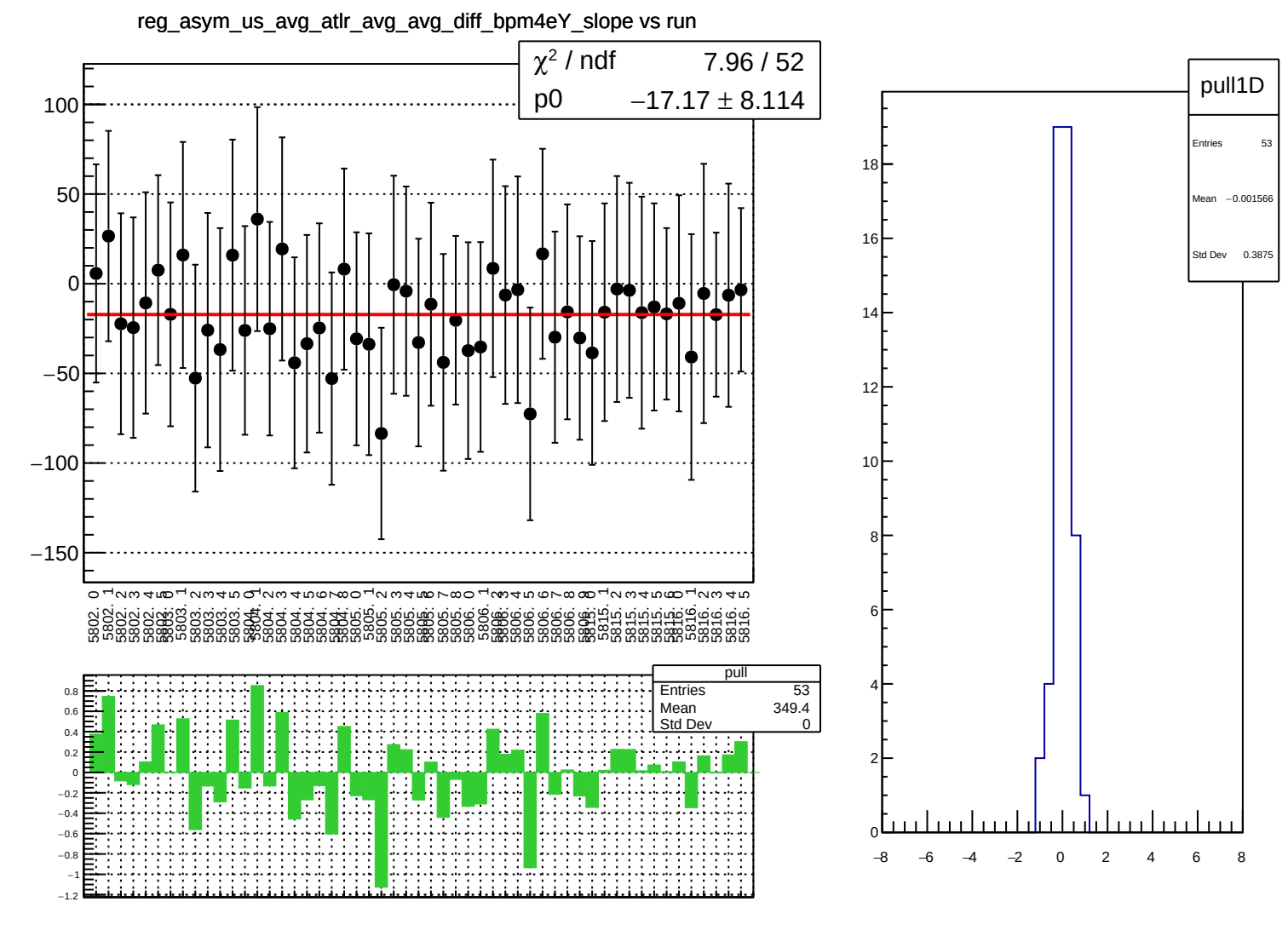

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.983 / 52
p0 −304.6 ± 4.489
pull
Entries 53
Mean 545.7
Std Dev 0

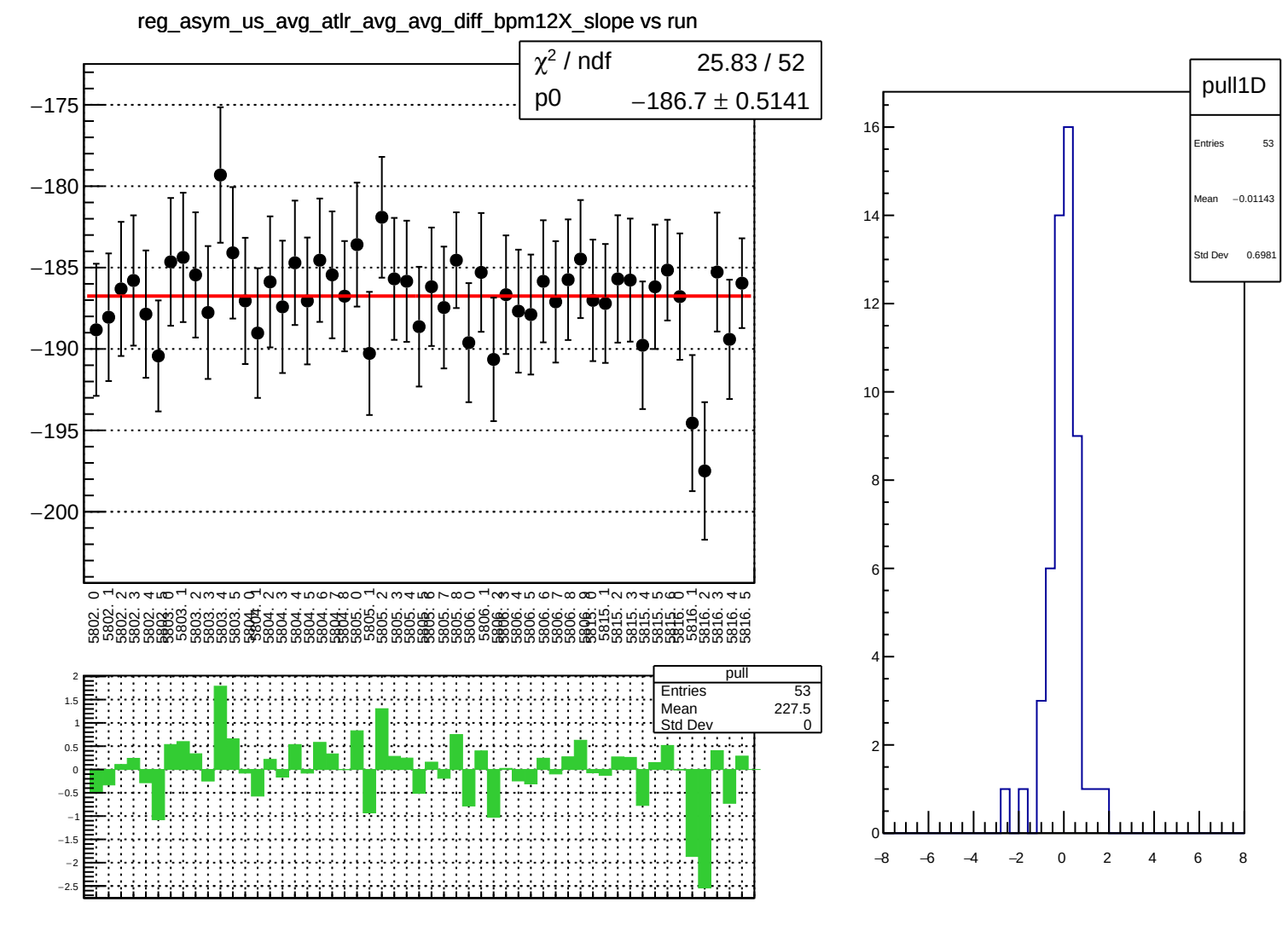

pull1D
Entries 53
Mean −0.005161
Std Dev 0.434

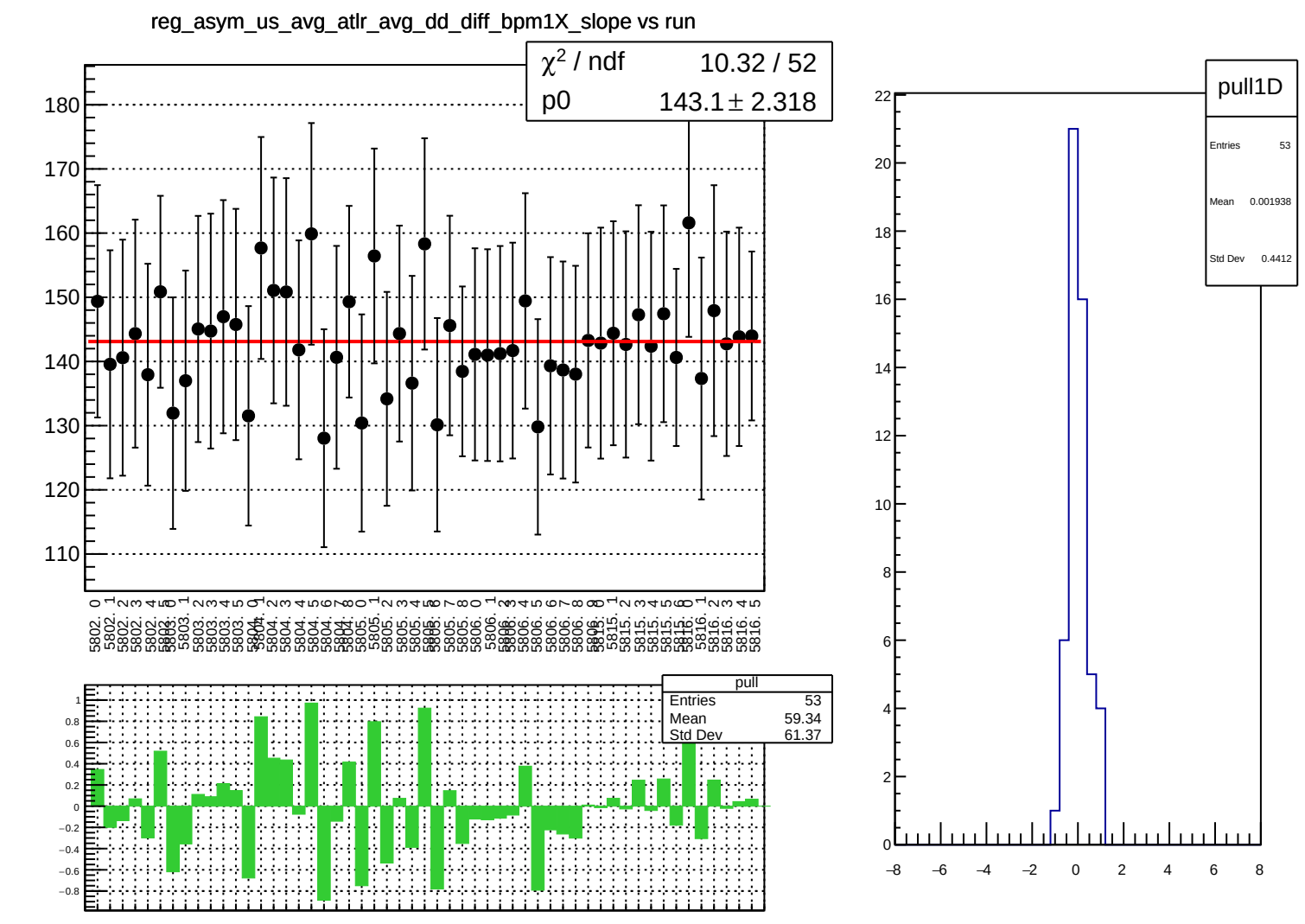

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.919 / 52
p0 73.71 ± 7.425
pull
Entries 53
Mean −123.6
Std Dev 0
pull1D
Entries 53
Mean 0.00168
Std Dev 0.4102

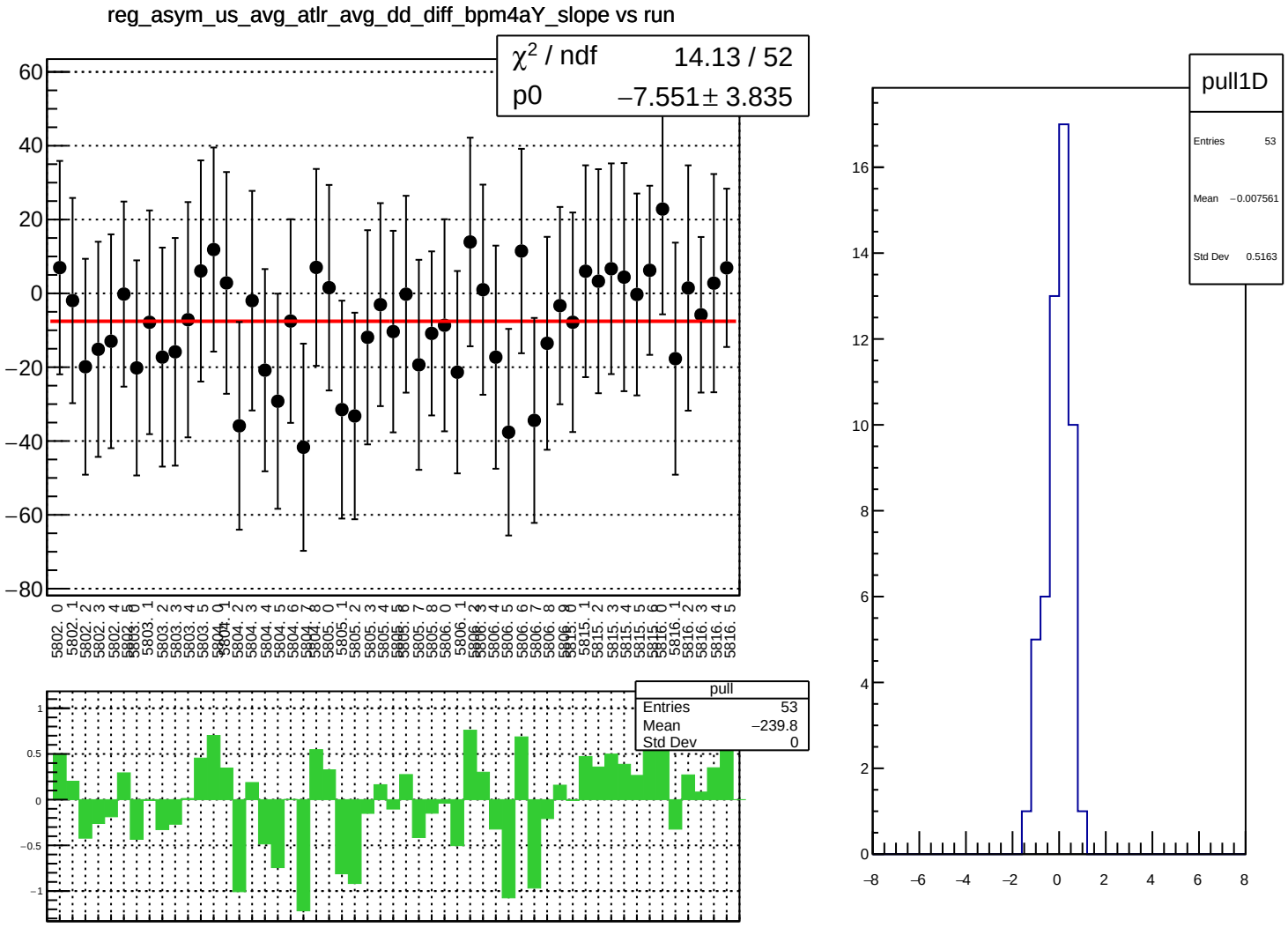

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.862 / 52
p0 509.9 ± 6.573
pull
Entries 53
Mean 85.84
Std Dev 5.201

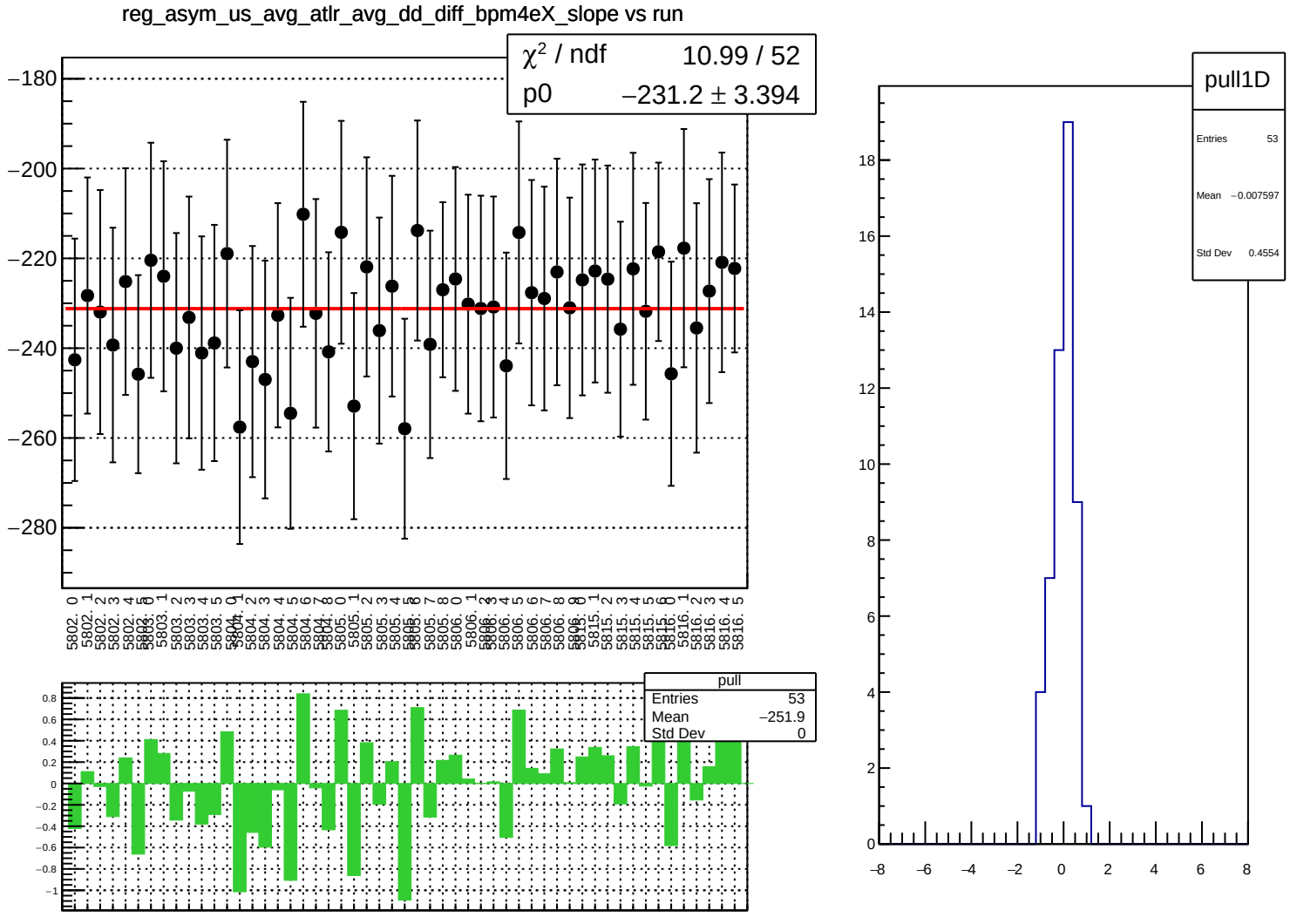

pull1D
Entries 53
Mean 0.006539
Std Dev 0.3598

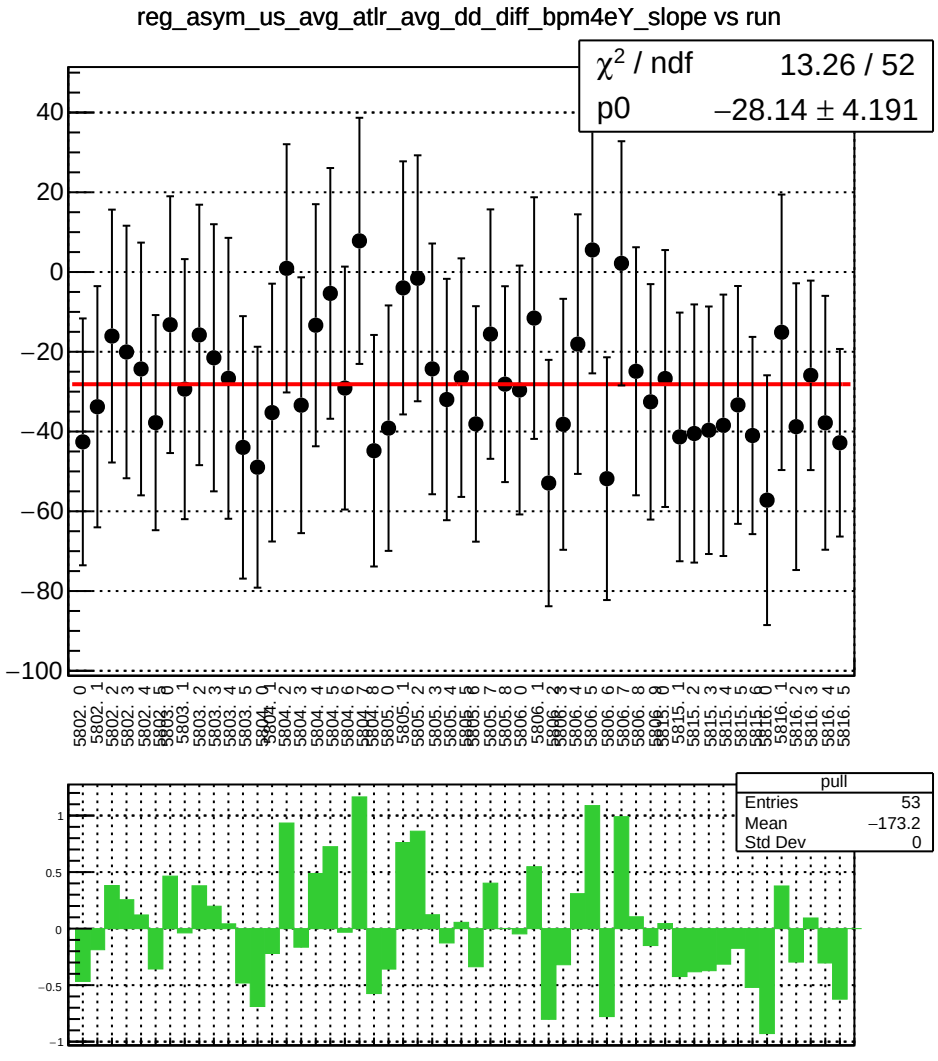

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.96 / 52
p0 −17.17 ± 8.114
pull
Entries 53
Mean 349.4
Std Dev 0
pull1D
Entries 53
Mean −0.001566
Std Dev 0.3875

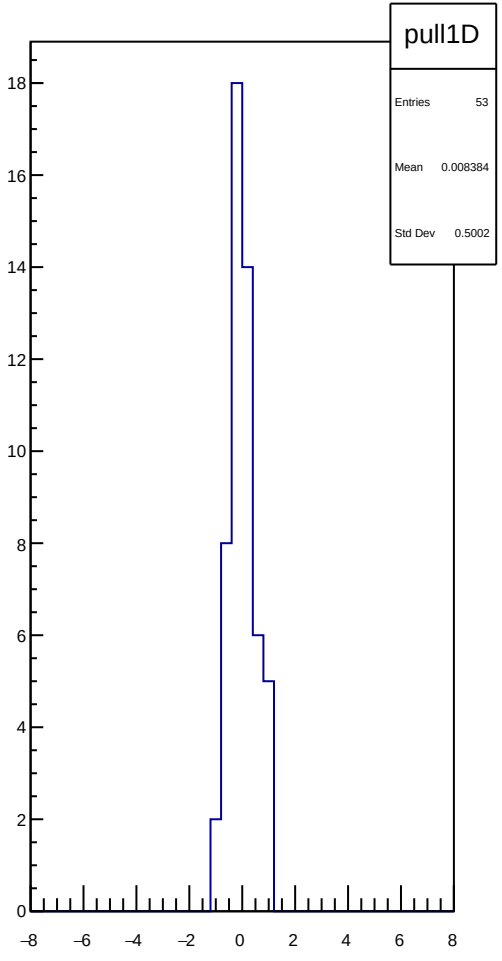

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 25.83 / 52
p0 −186.7 ± 0.5141
pull
Entries 53
Mean 227.5
Std Dev 0
pull1D
Entries 53
Mean −0.01143
Std Dev 0.6981

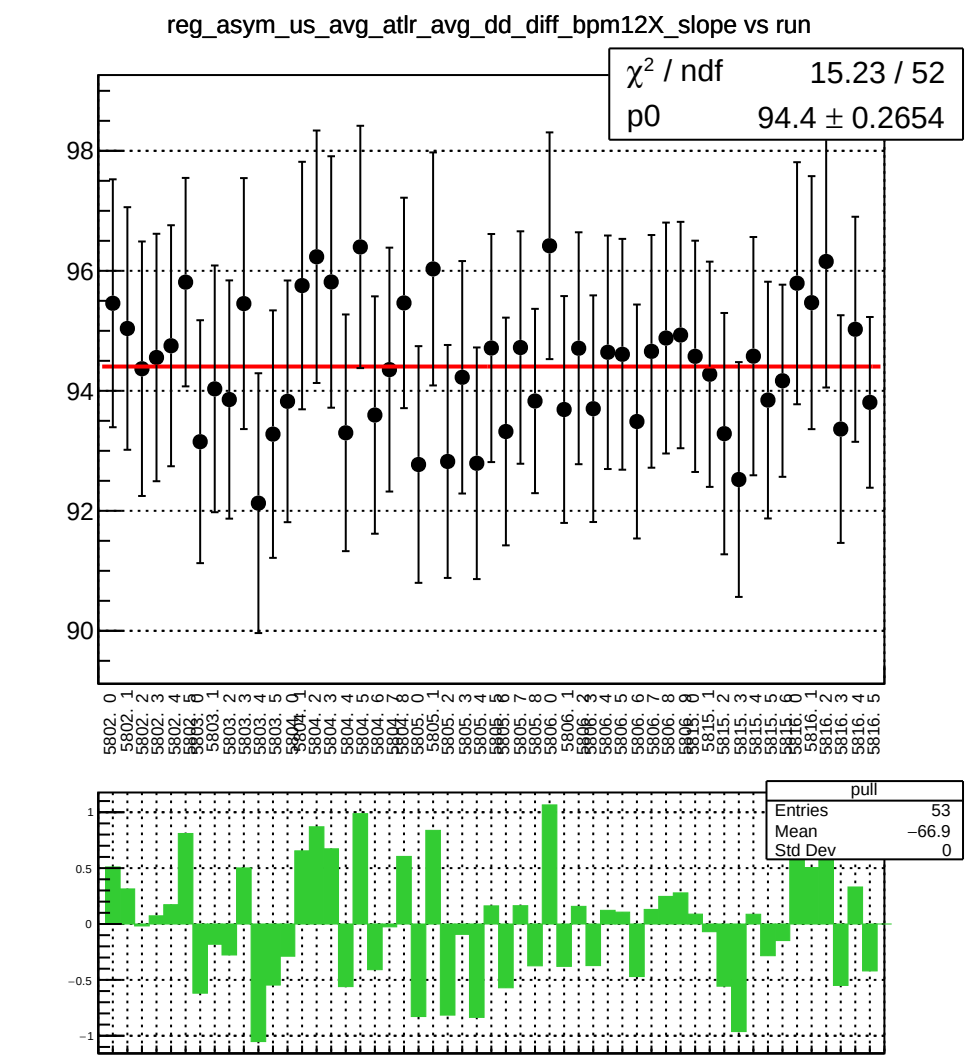

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 10.32 / 52
p0 143.1 ± 2.318
pull
Entries 53
Mean 59.34
Std Dev 61.37
pull1D
Entries 53
Mean 0.001938
Std Dev 0.4412

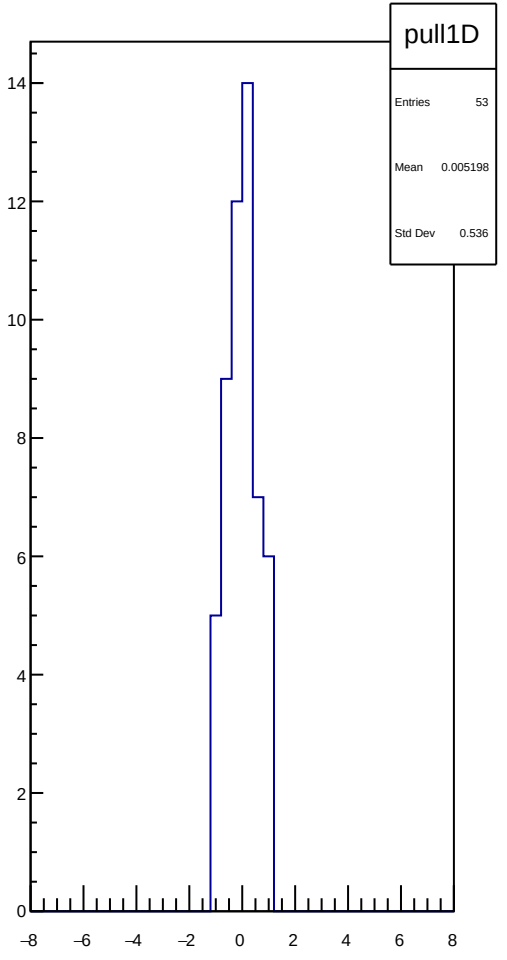

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.13 / 52
p0 −7.551 ± 3.835
pull
Entries 53
Mean −239.8
Std Dev 0
pull1D
Entries 53
Mean −0.007561
Std Dev 0.5163

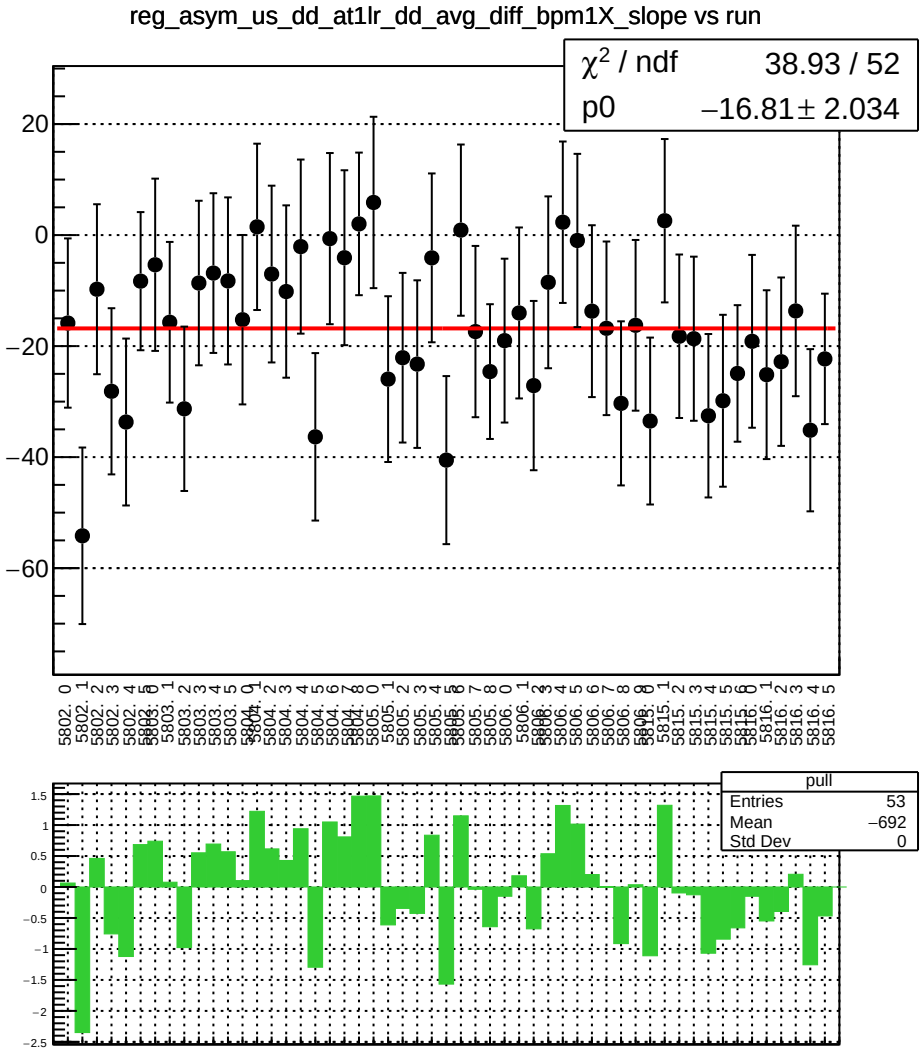

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.99 / 52
p0 −231.2 ± 3.394
pull
Entries 53
Mean −251.9
Std Dev 0
pull1D
Entries 53
Mean −0.007597
Std Dev 0.4554

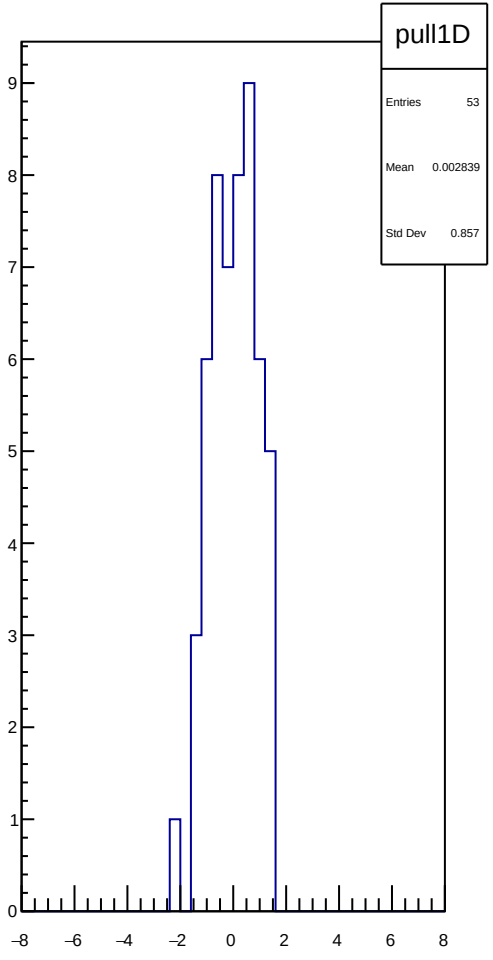

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.26 / 52
p0 −28.14 ± 4.191
pull
Entries 53
Mean −173.2
Std Dev 0

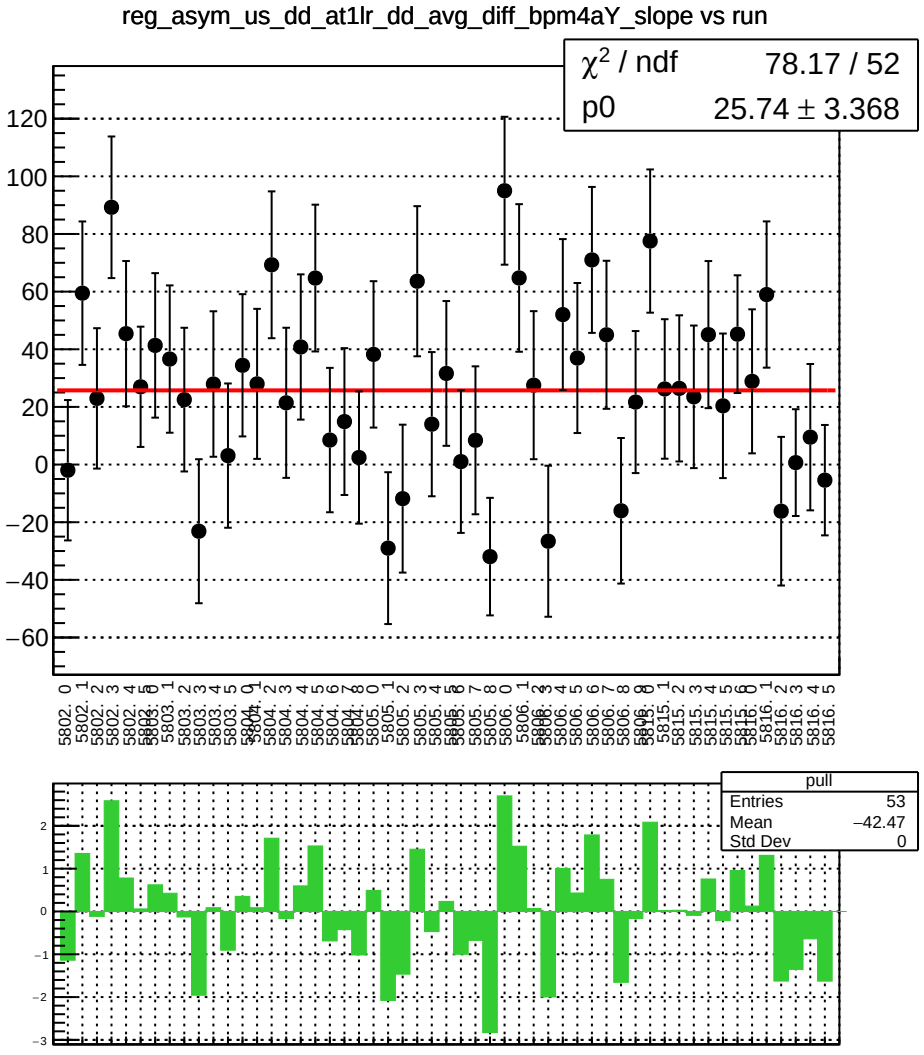

pull1D
Entries 53
Mean 0.008384
Std Dev 0.5002

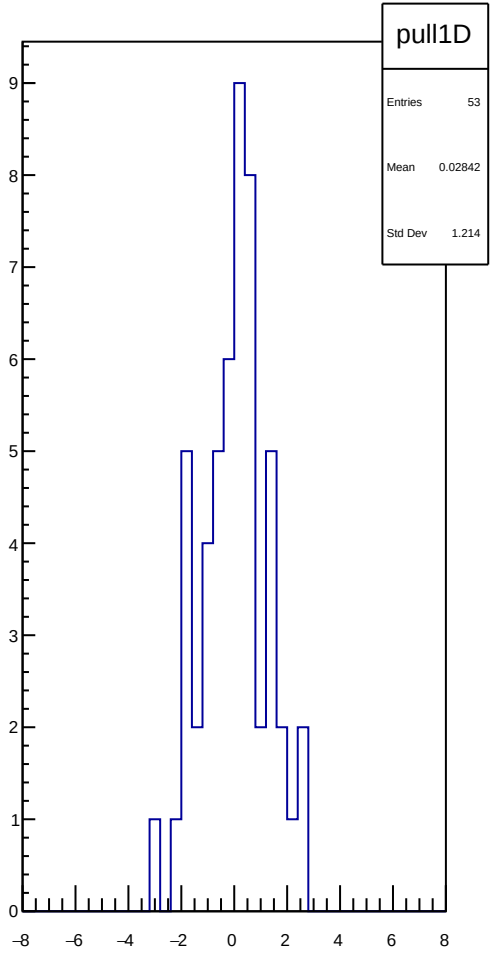

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 15.23 / 52
p0 94.4 ± 0.2654
98
96
94
92
90
pull
Entries 53
Mean −66.9
Std Dev 0
1
0.5
0
−0.5
−1

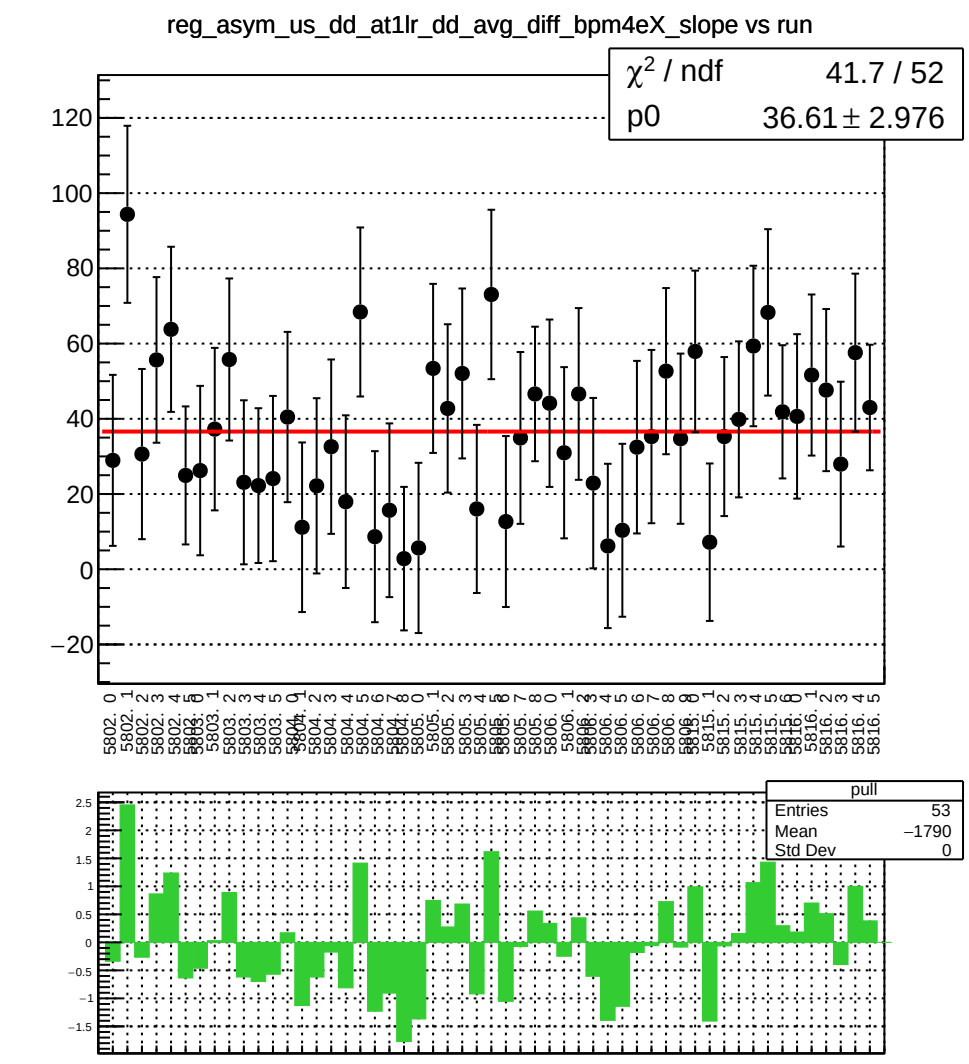

pull1D
Entries 53
Mean 0.005198
Std Dev 0.536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

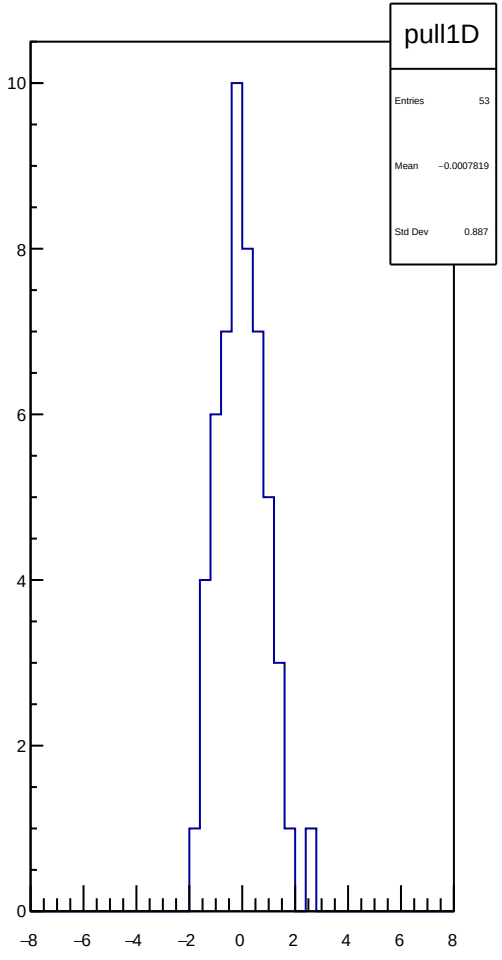

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 38.93 / 52
p0 −16.81± 2.034
pull
Entries 53
Mean −692
Std Dev 0

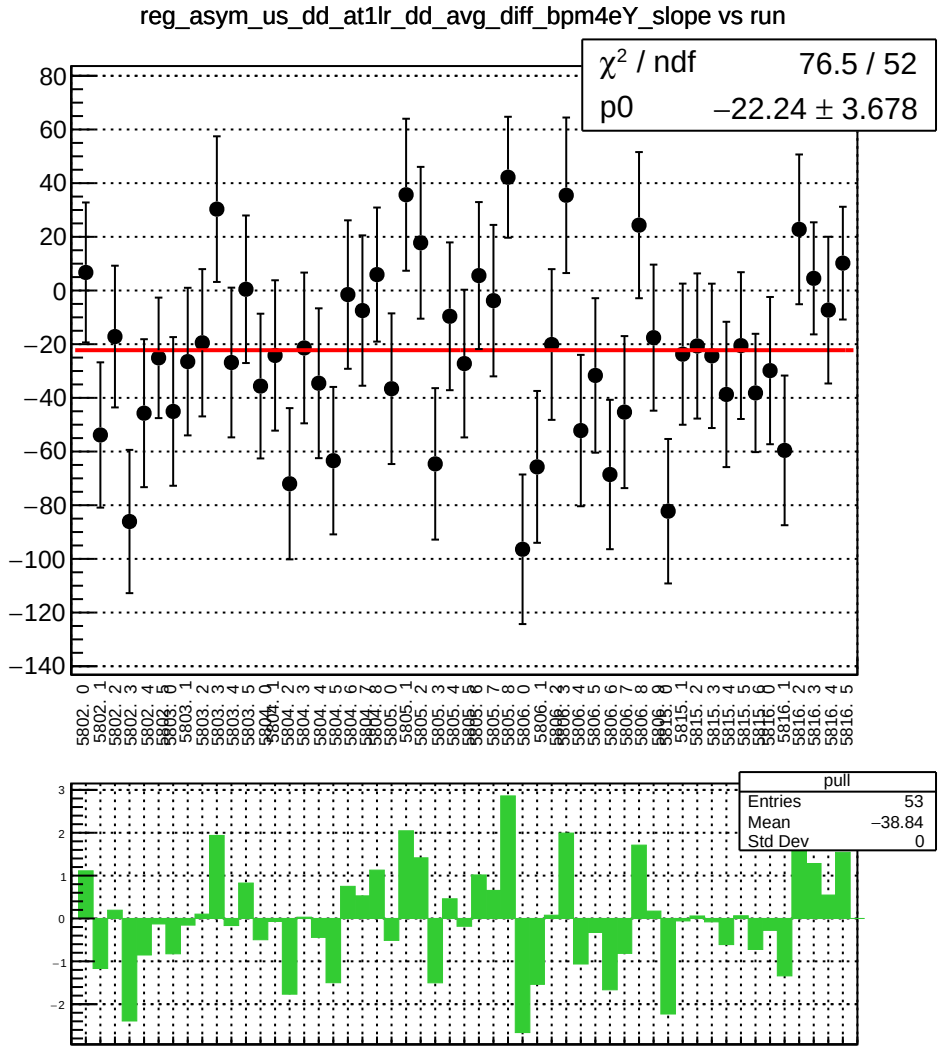

pull1D
Entries 53
Mean 0.002839
Std Dev 0.857

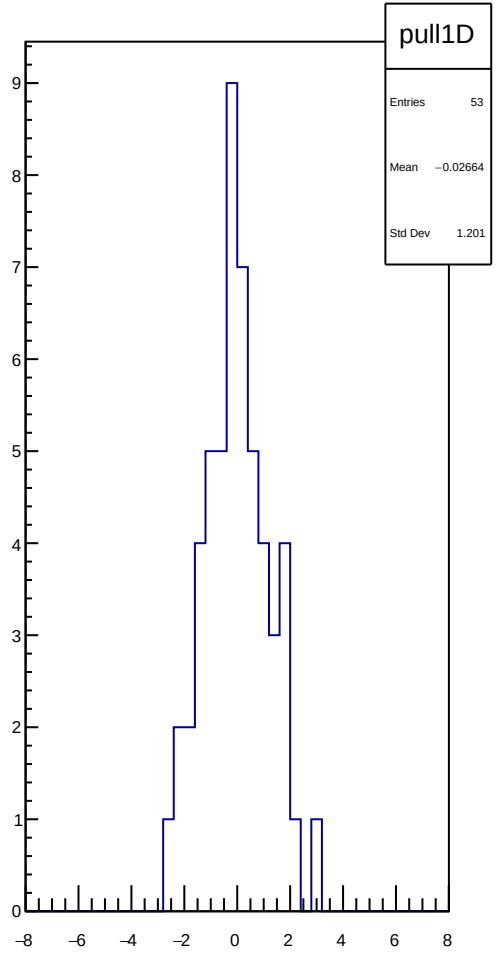

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.17 / 52
p0 25.74 ± 3.368
pull
Entries 53
Mean −42.47
Std Dev 0

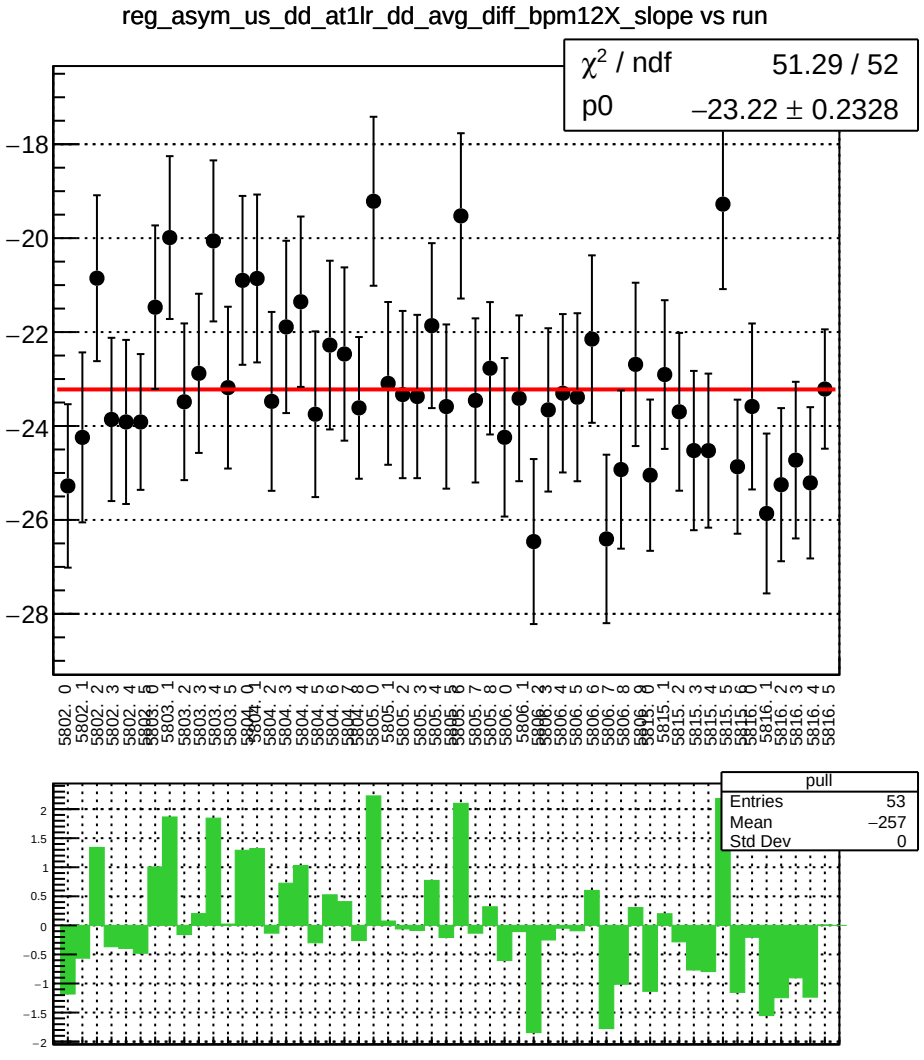

pull1D
Entries 53
Mean 0.02842
Std Dev 1.214

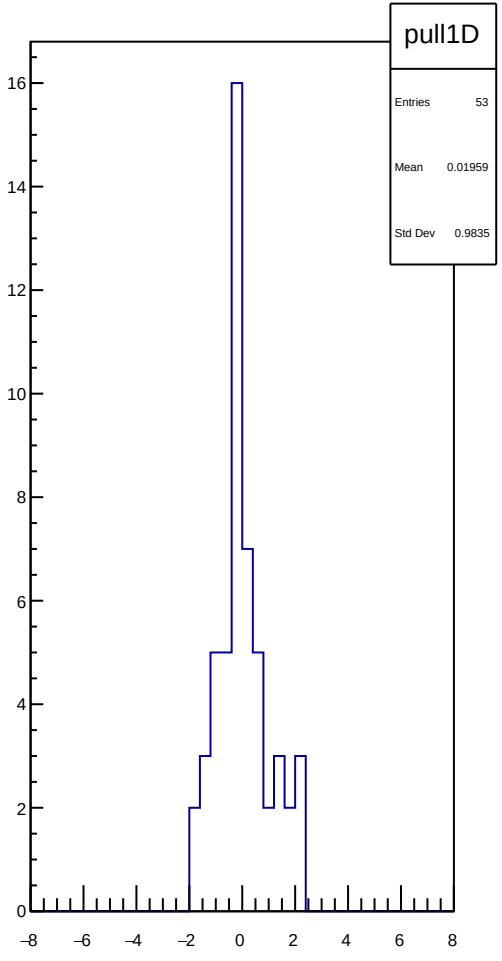

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.7 / 52
p0 36.61 ± 2.976
pull
Entries 53
Mean −1790
Std Dev 0

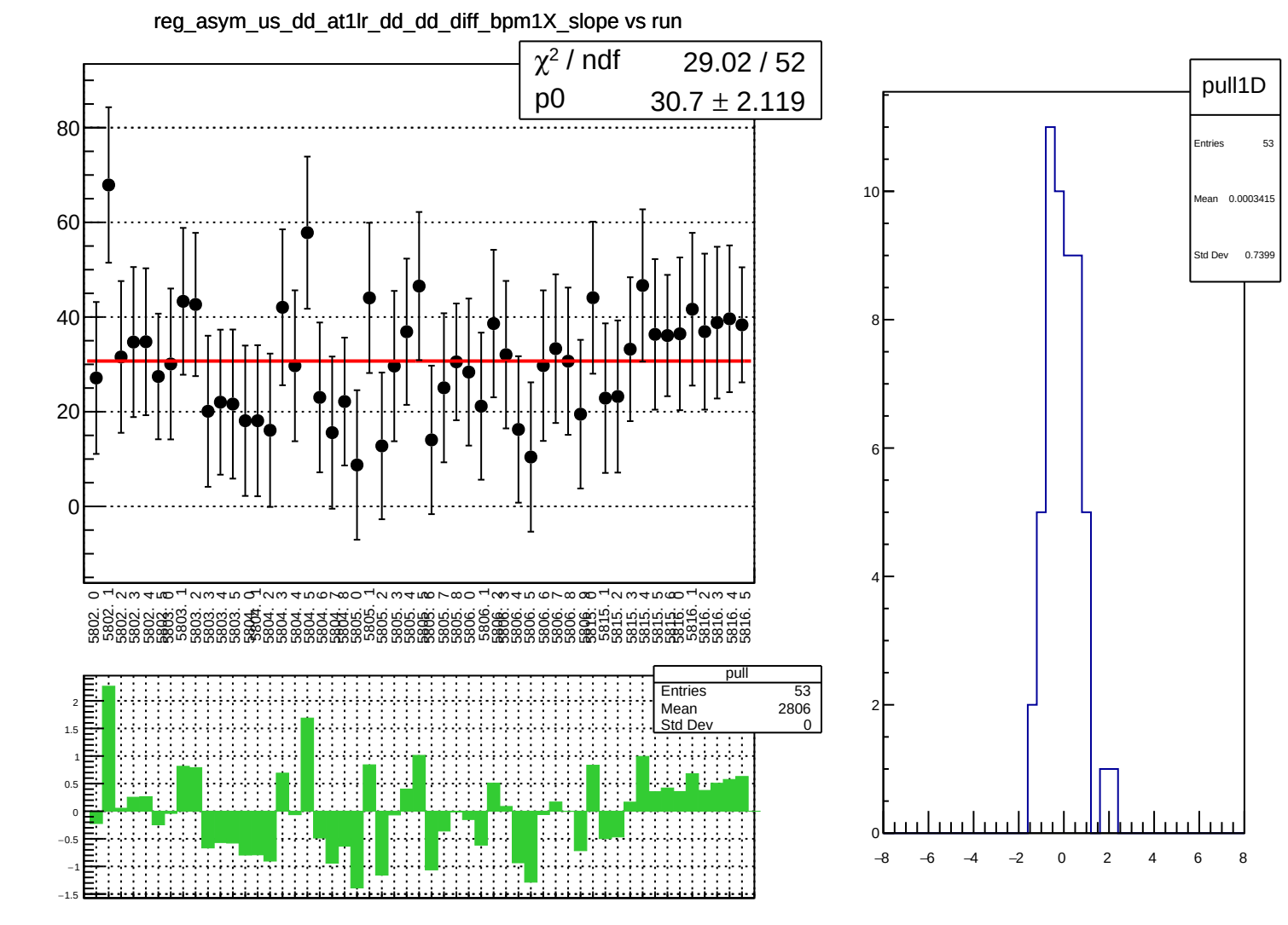

pull1D
Entries 53
Mean −0.0007819
Std Dev 0.887

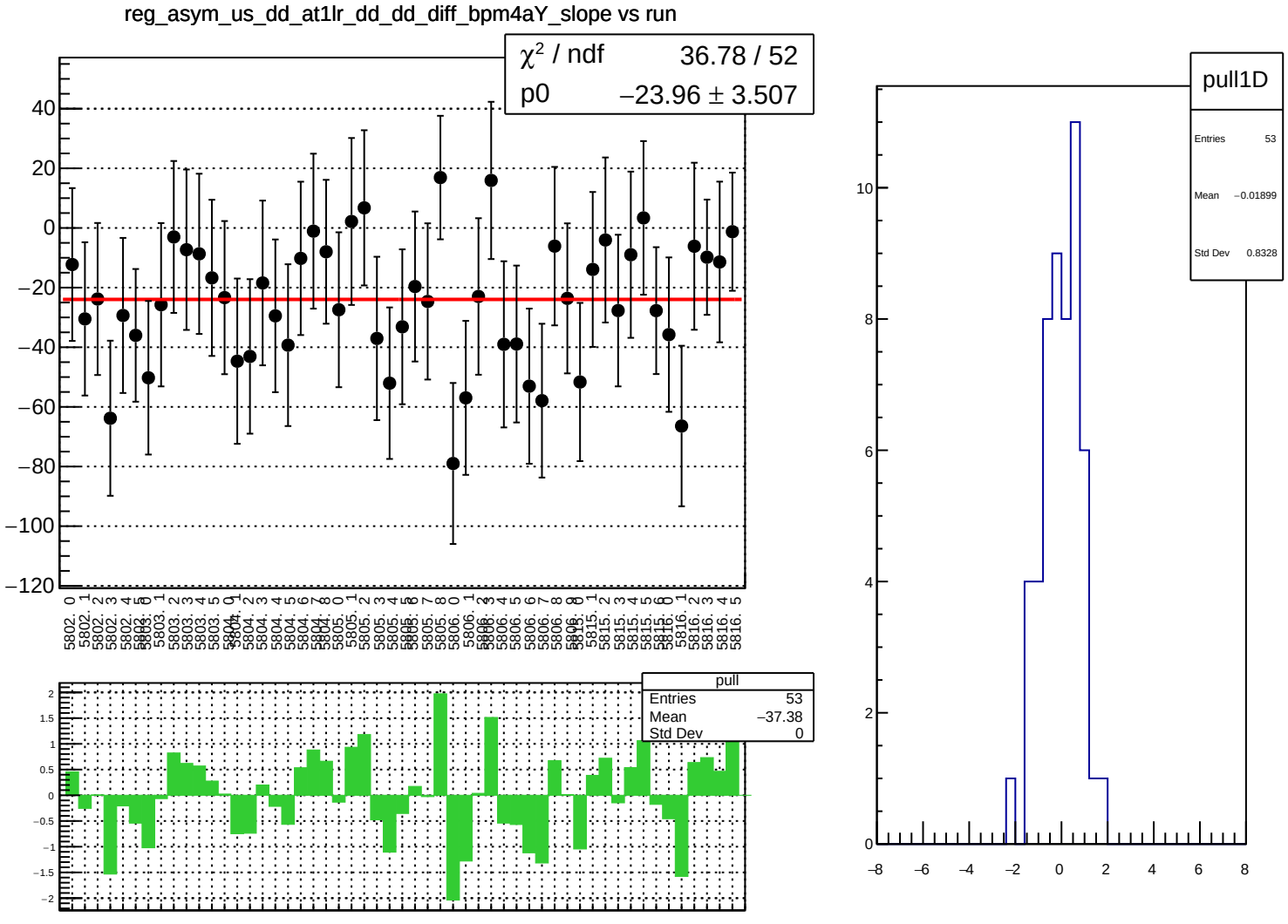

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.5 / 52
p0 −22.24 ± 3.678
pull
Entries 53
Mean −38.84
Std Dev 0

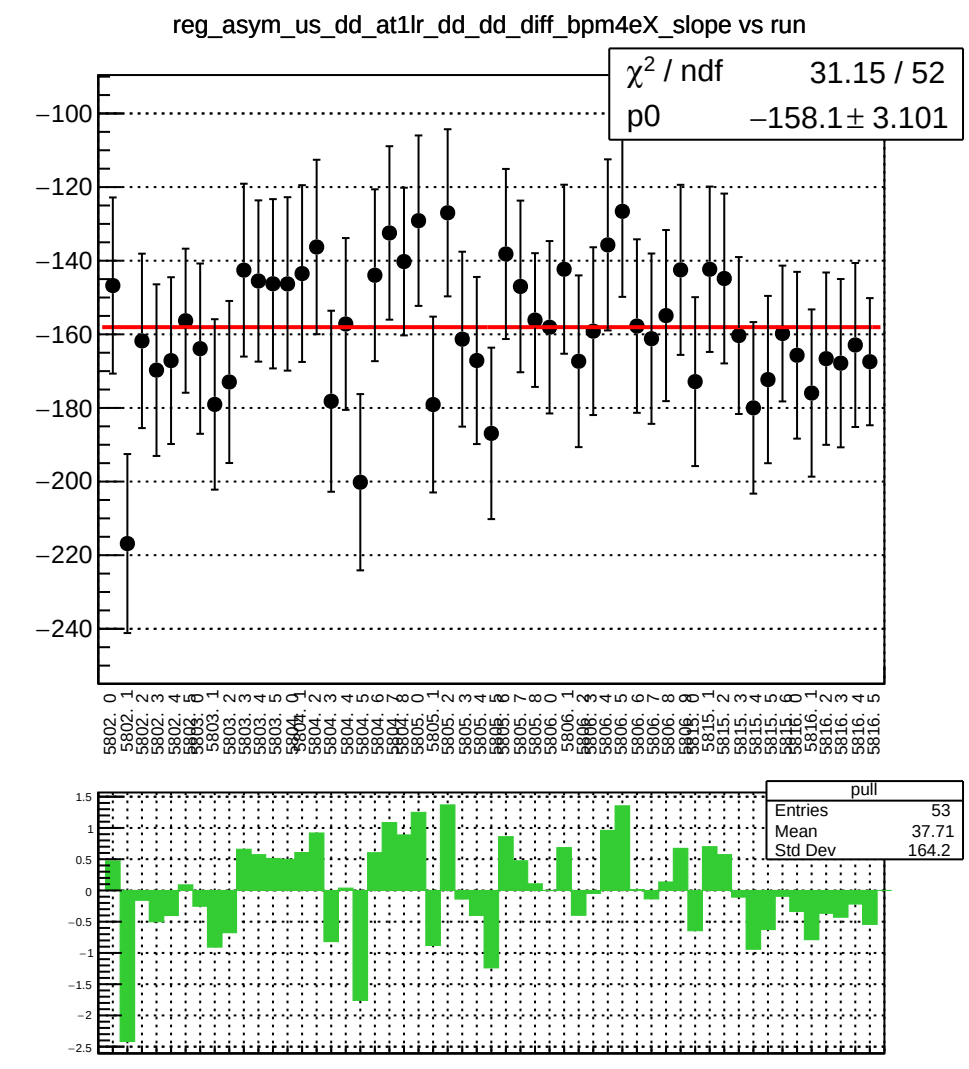

pull1D
Entries 53
Mean −0.02664
Std Dev 1.201

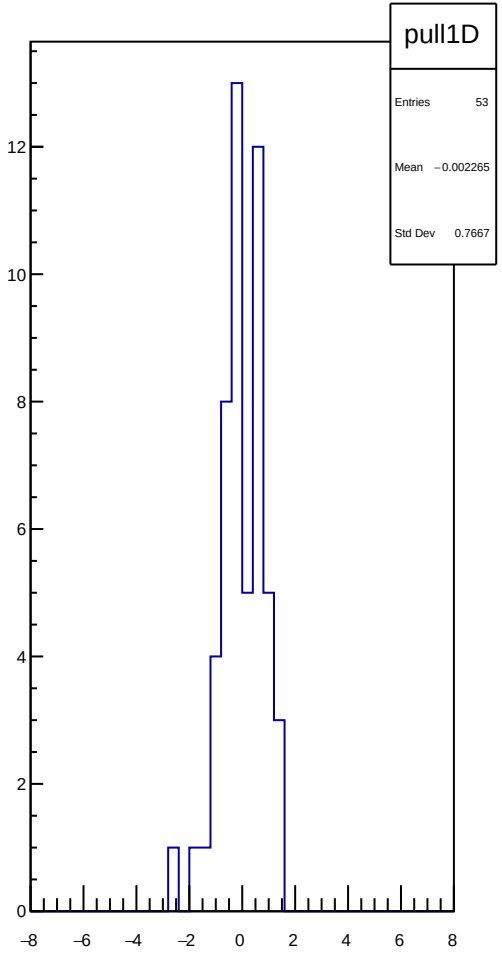

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.29 / 52
p0 −23.22 ± 0.2328
pull
Entries 53
Mean −257
Std Dev 0

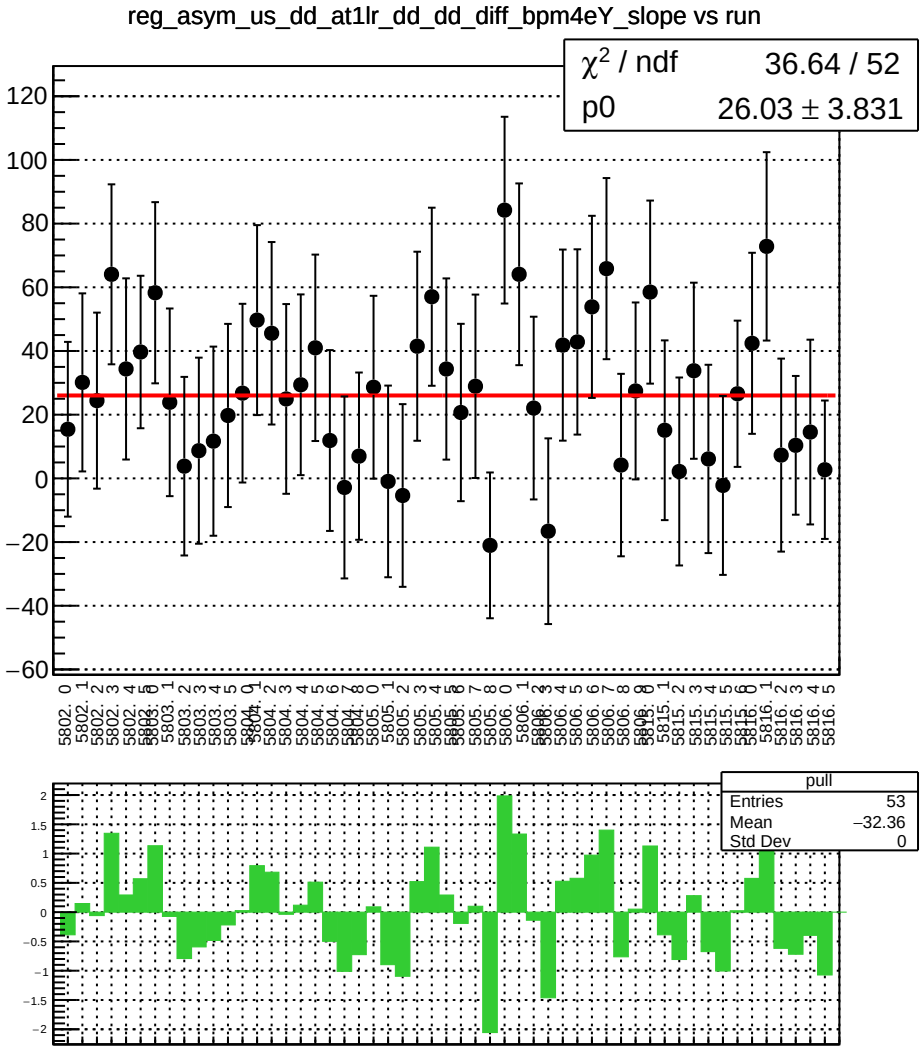

pull1D
Entries 53
Mean 0.01959
Std Dev 0.9835

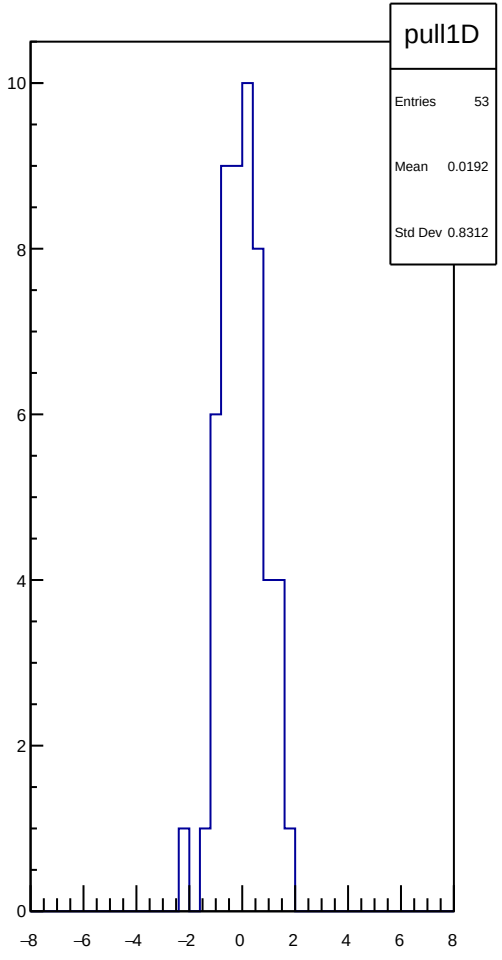

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 29.02 / 52
p0 30.7 ± 2.119
pull
Entries 53
Mean 2806
Std Dev 0
pull1D
Entries 53
Mean 0.0003415
Std Dev 0.7399

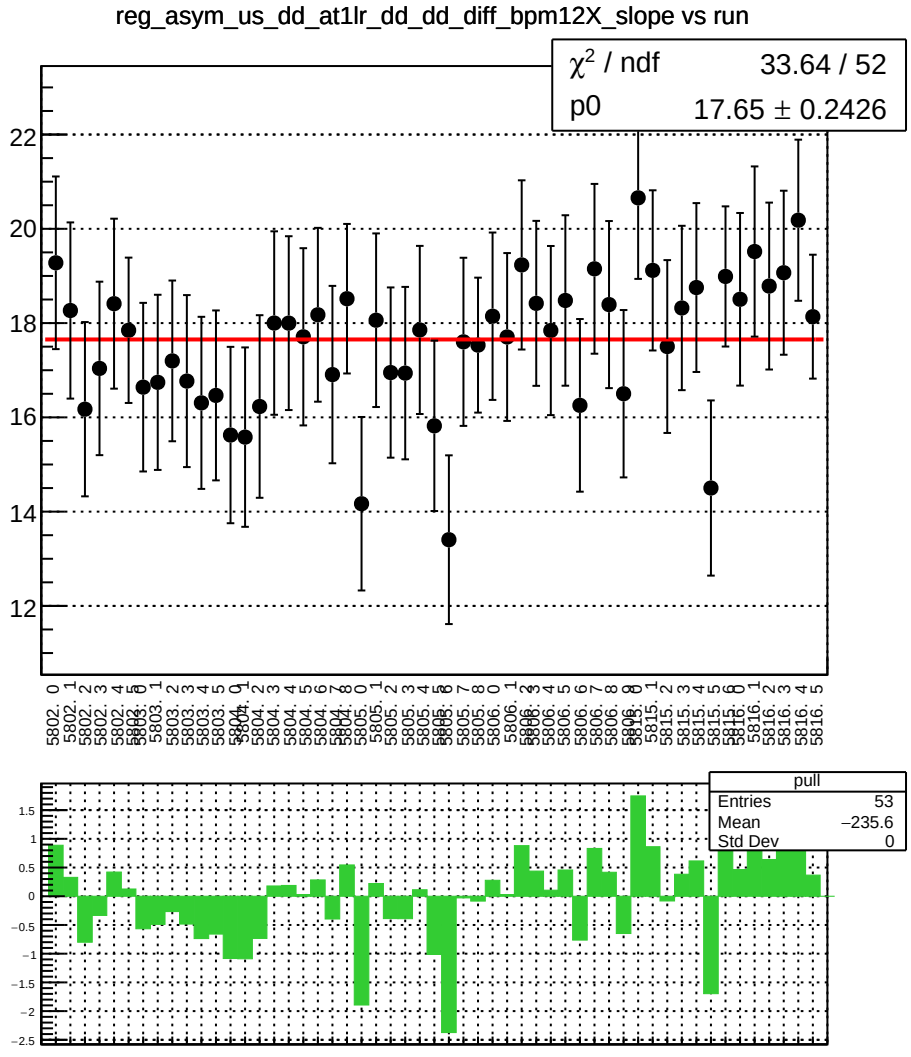

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.78 / 52
p0 −23.96 ± 3.507
pull
Entries 53
Mean −37.38
Std Dev 0
pull1D
Entries 53
Mean −0.01899
Std Dev 0.8328

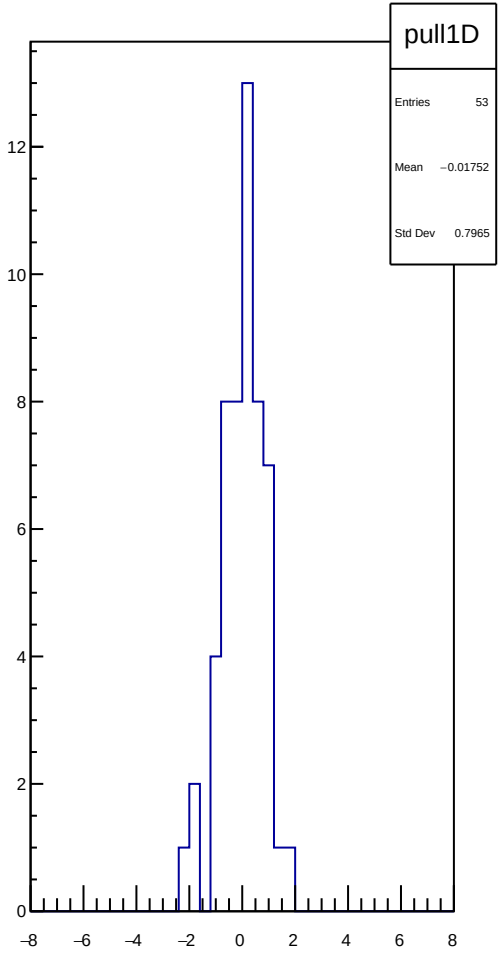

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.15 / 52
p0 −158.1 ± 3.101
pull
Entries 53
Mean 37.71
Std Dev 164.2

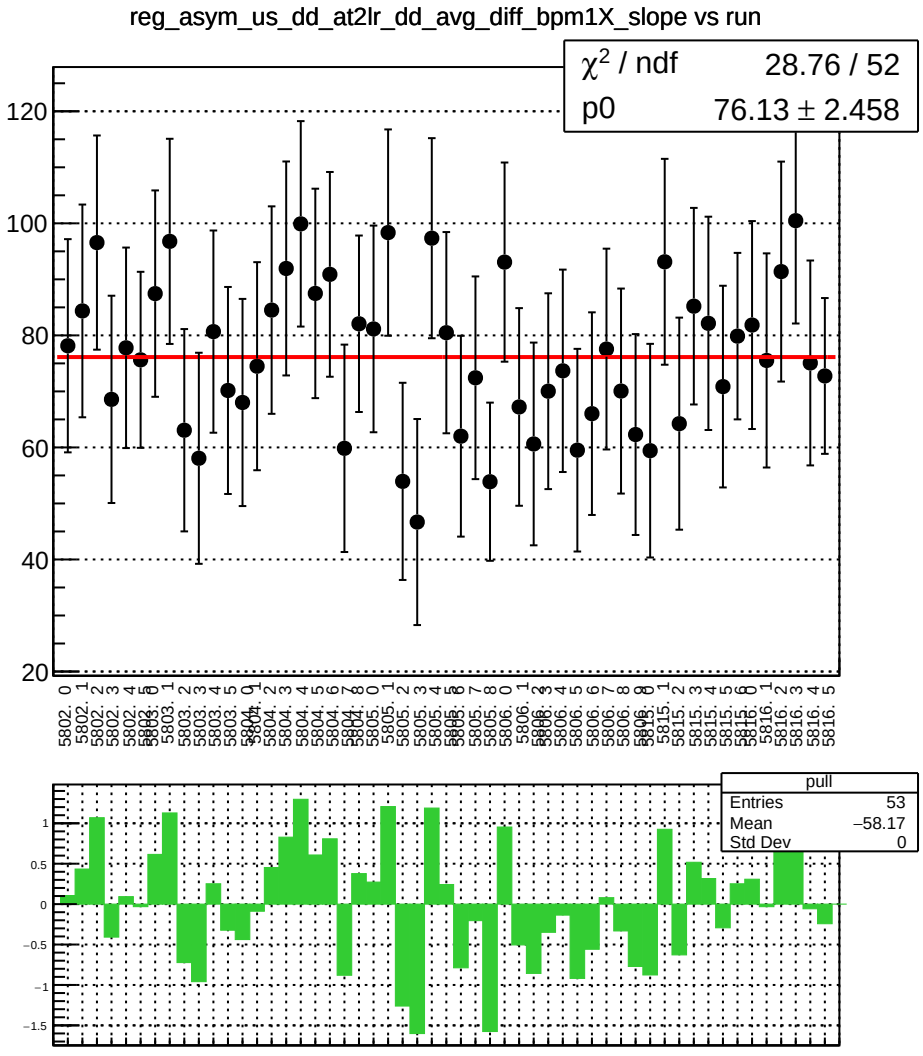

pull1D
Entries 53
Mean −0.002265
Std Dev 0.7667

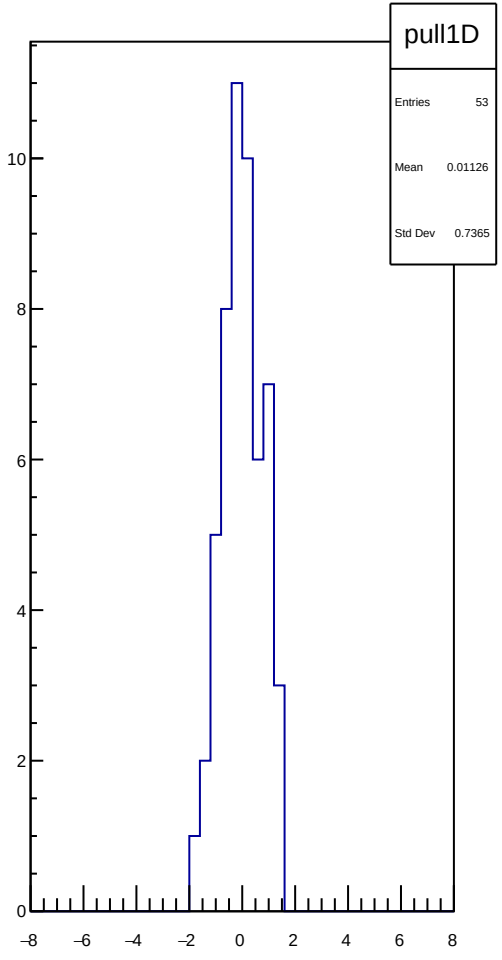

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.64 / 52
p0 26.03 ± 3.831
pull
Entries 53
Mean −32.36
Std Dev 0

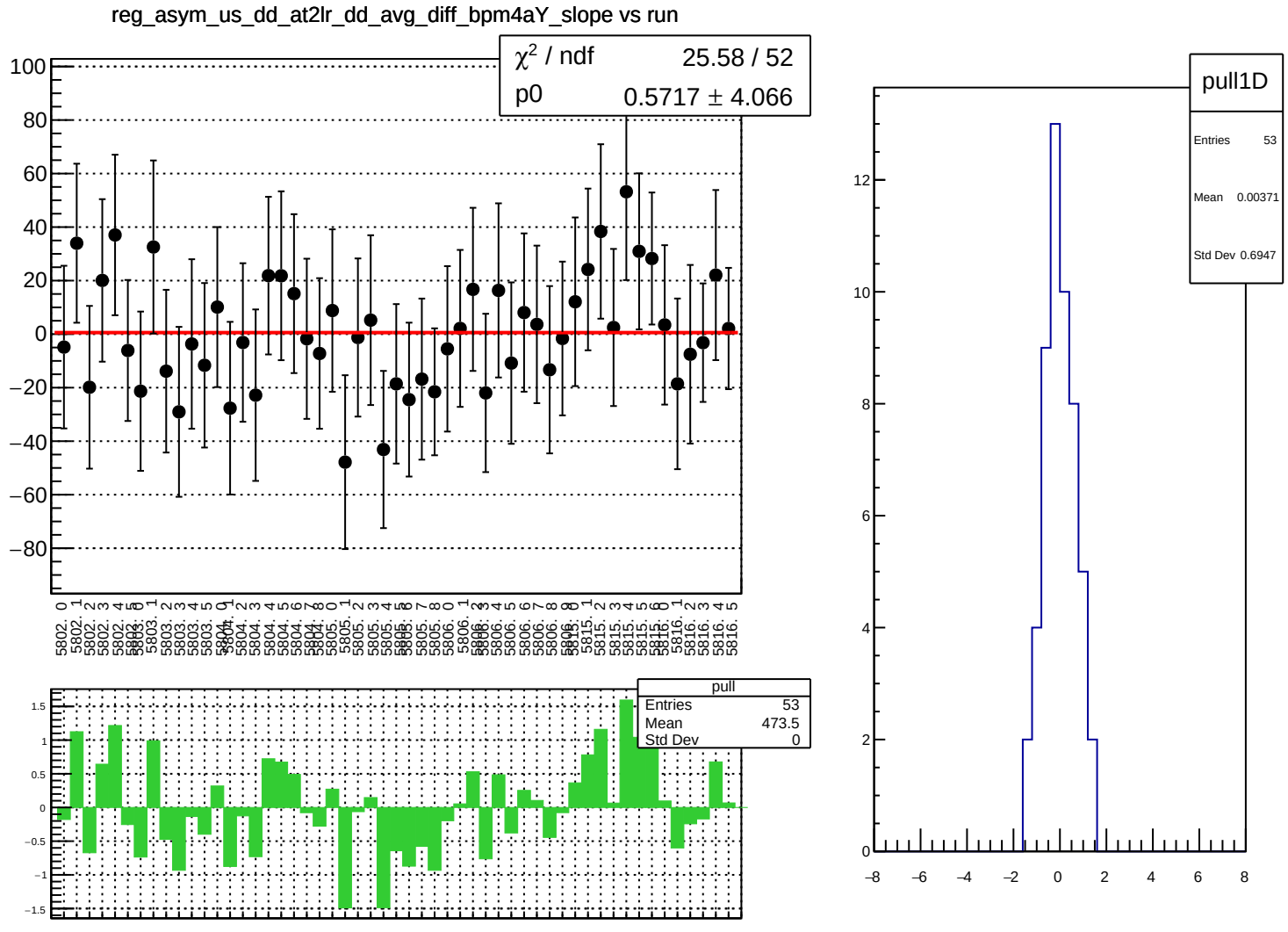

pull1D
Entries 53
Mean 0.0192
Std Dev 0.8312

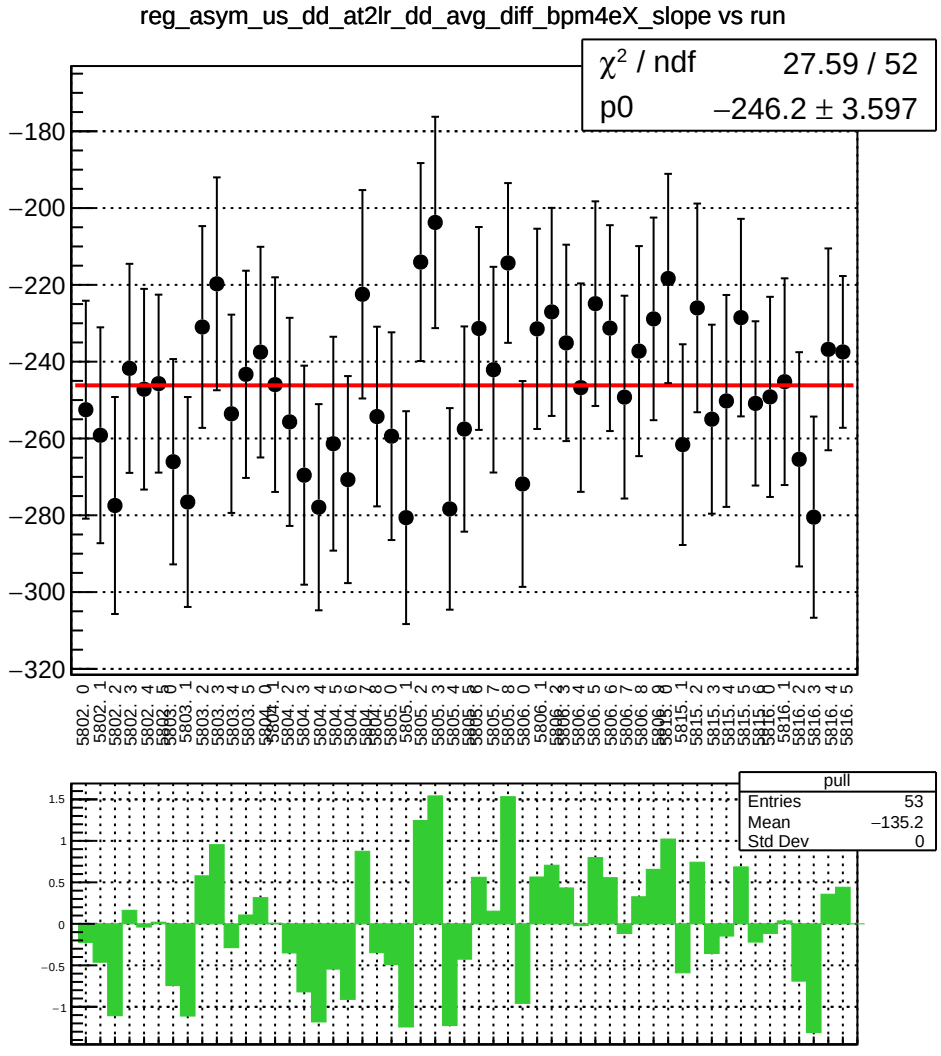

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 33.64 / 52
p0 17.65 ± 0.2426
pull
Entries 53
Mean −235.6
Std Dev 0

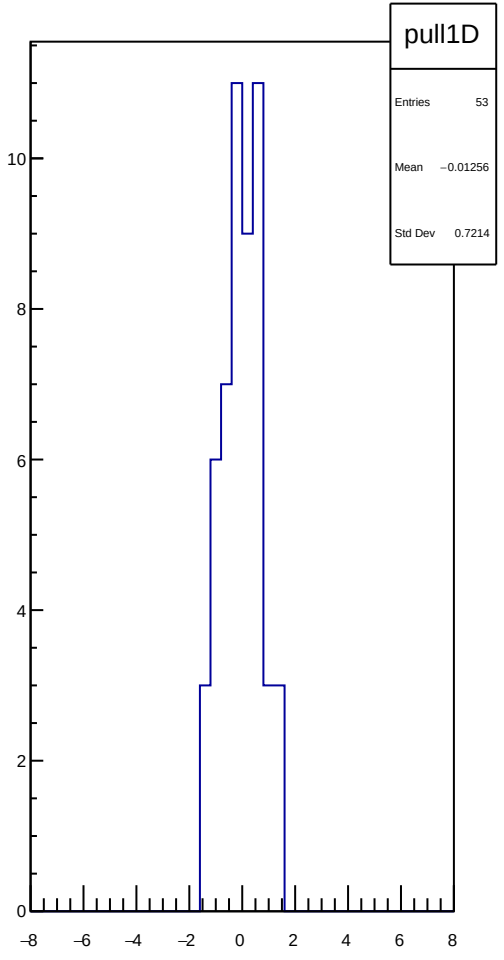

pull1D
Entries 53
Mean −0.01752
Std Dev 0.7965

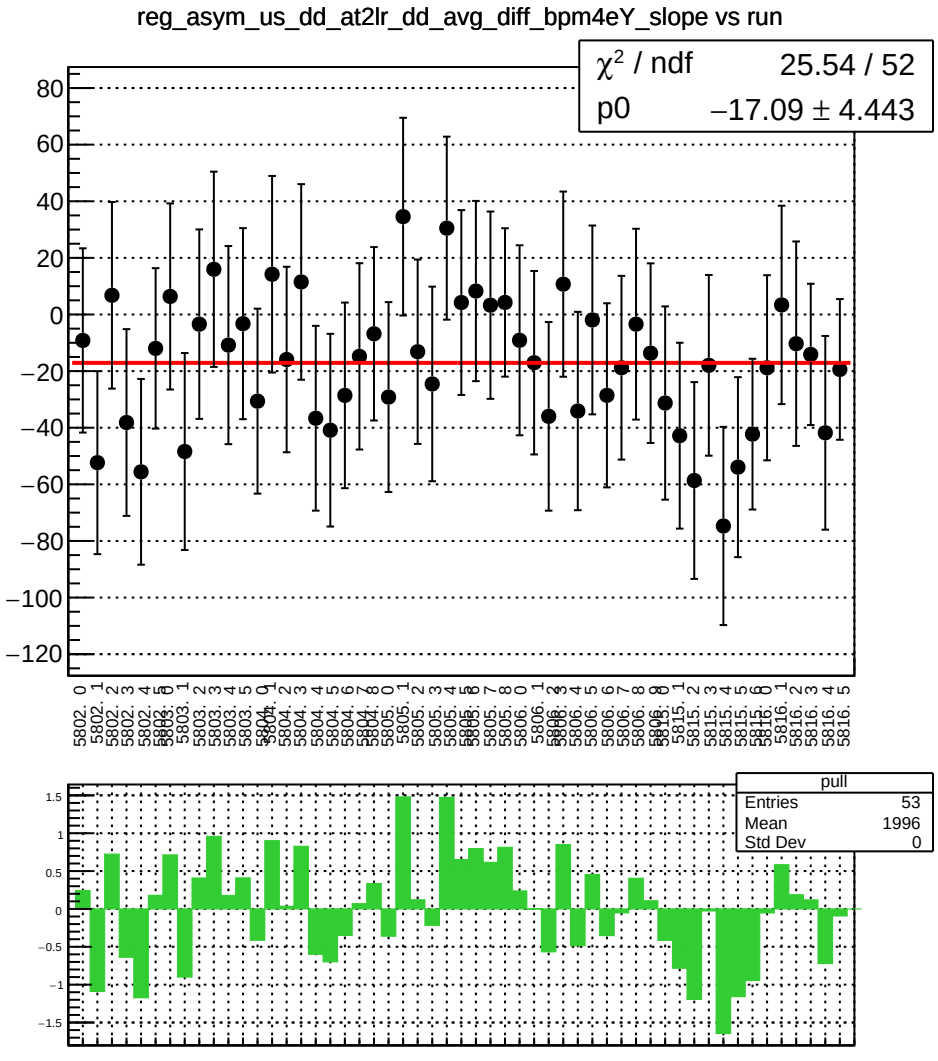

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 28.76 / 52
p0 76.13 ± 2.458
pull
Entries 53
Mean −58.17
Std Dev 0

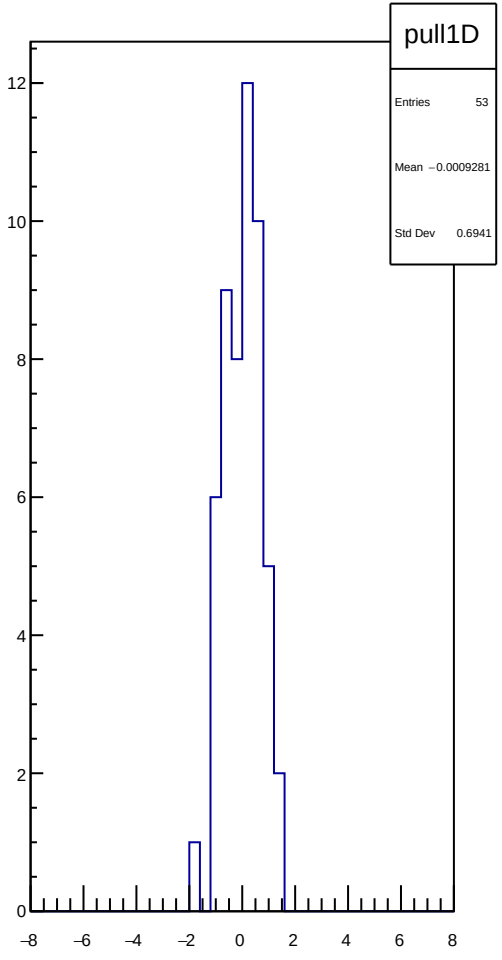

pull1D
Entries 53
Mean 0.01126
Std Dev 0.7365

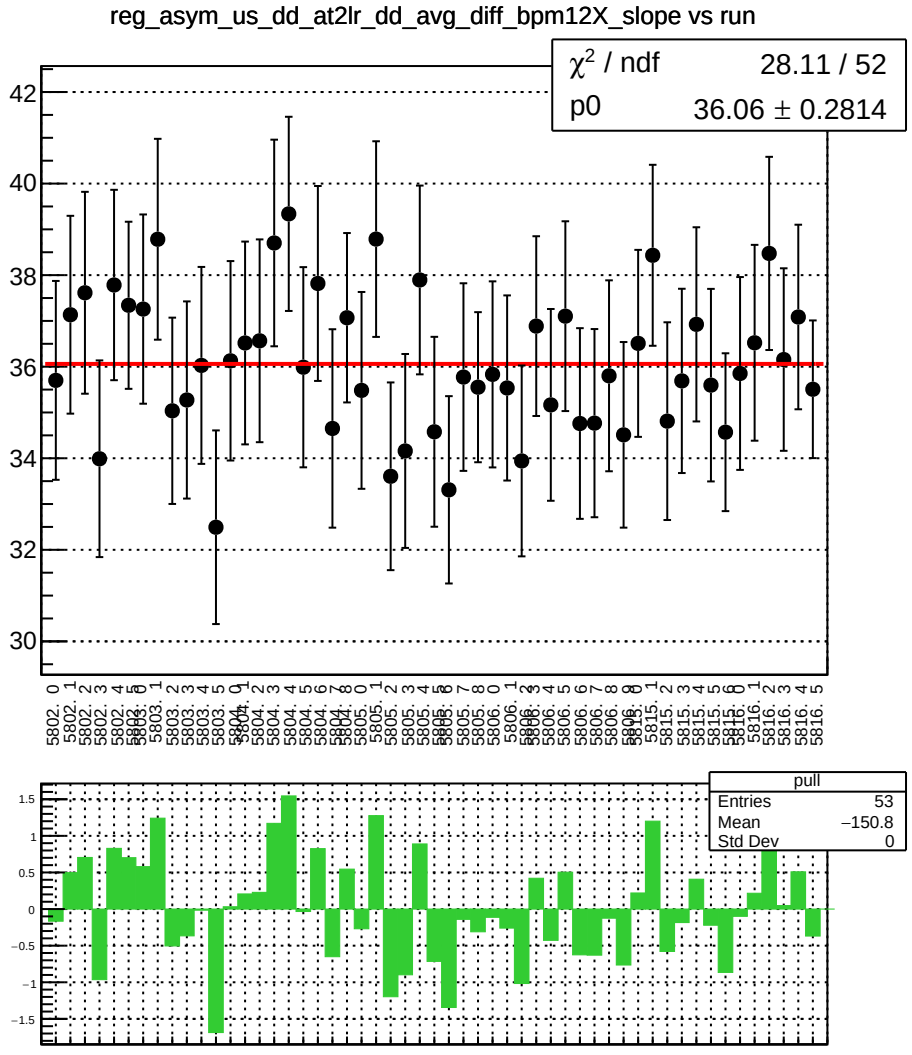

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.58 / 52
p0 0.5717 ± 4.066
pull
Entries 53
Mean 473.5
Std Dev 0
pull1D
Entries 53
Mean 0.00371
Std Dev 0.6947

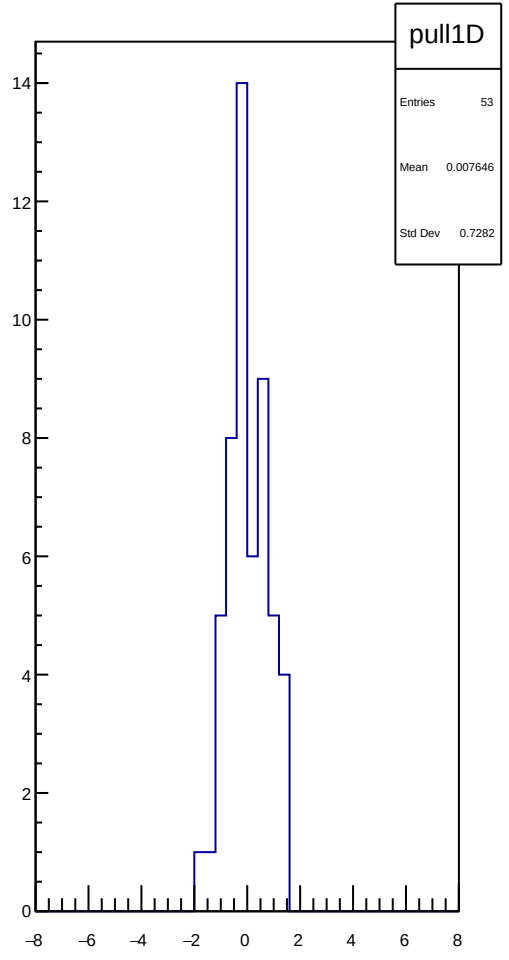

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.59 / 52
p0 −246.2 ± 3.597
pull
Entries 53
Mean −135.2
Std Dev 0

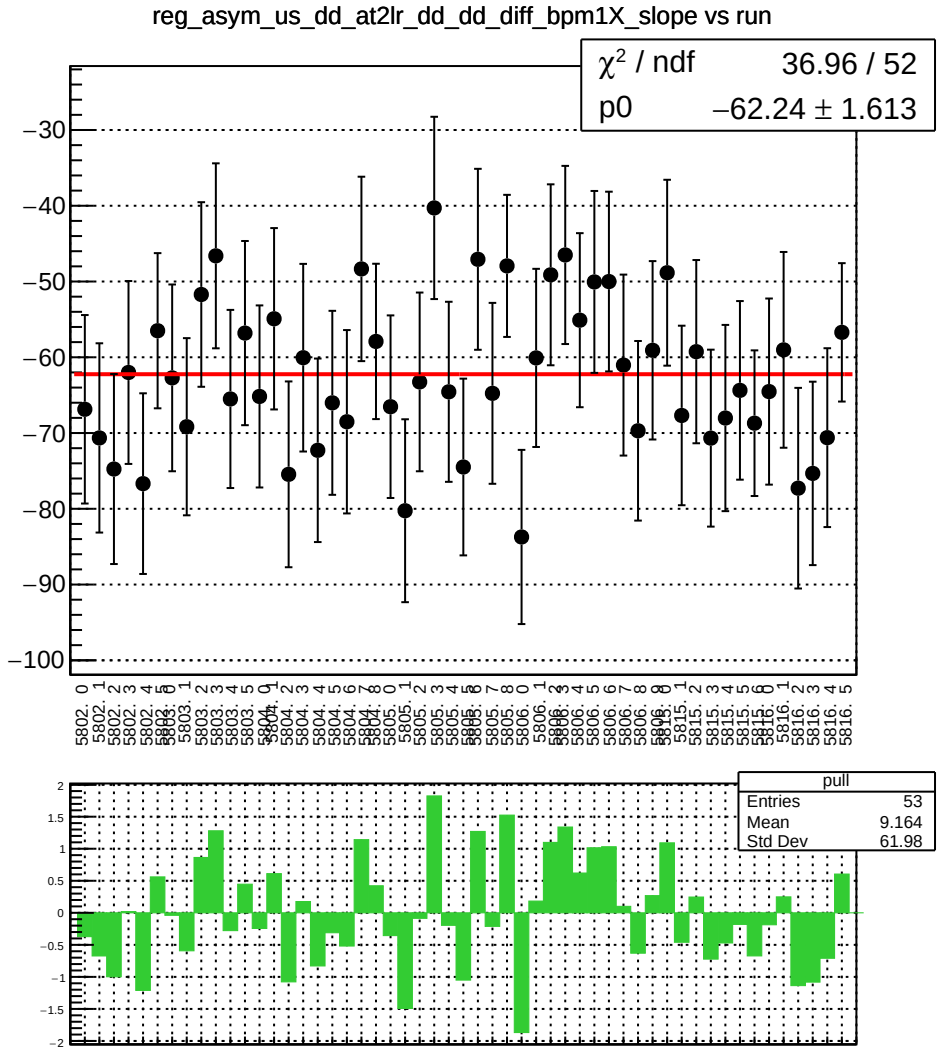

pull1D
Entries 53
Mean −0.01256
Std Dev 0.7214

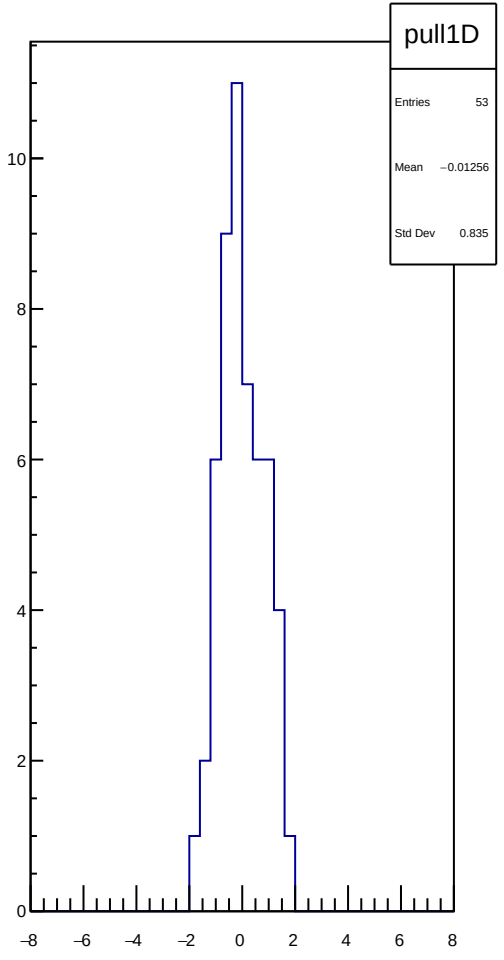

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.54 / 52
p0 −17.09 ± 4.443
pull
Entries 53
Mean 1996
Std Dev 0

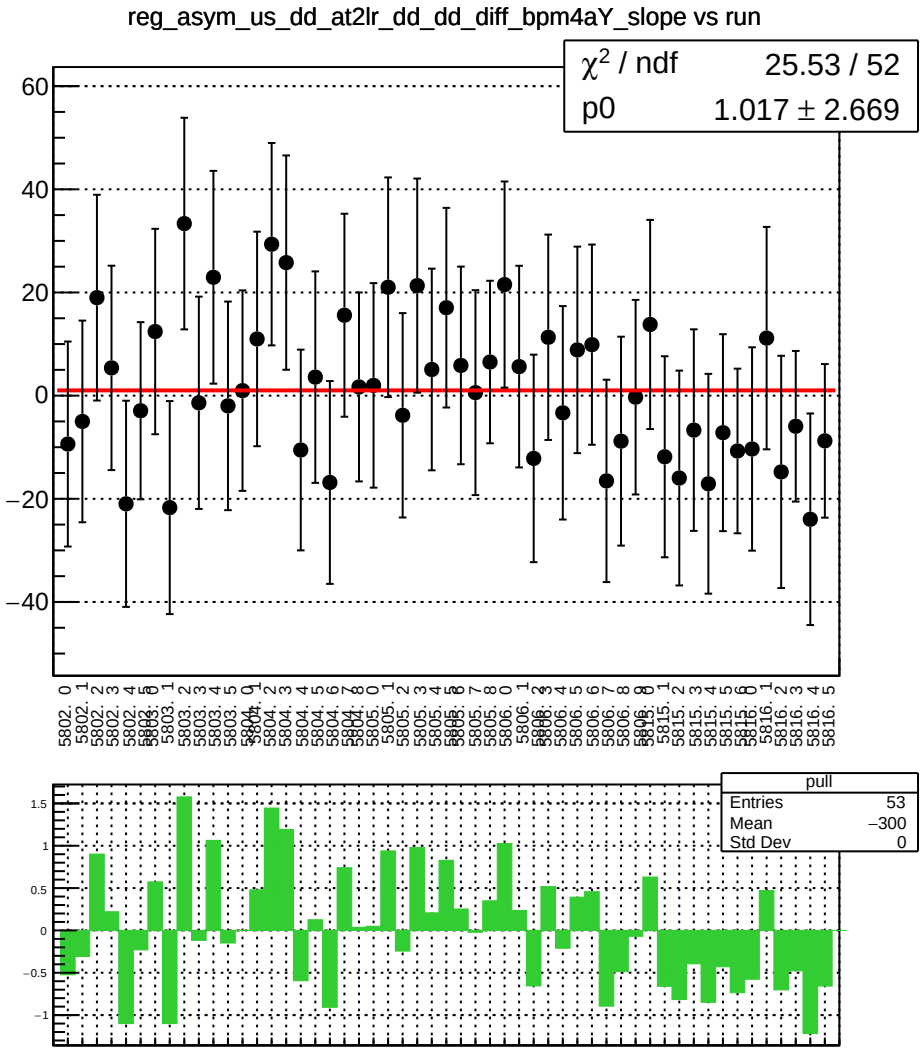

pull1D
Entries 53
Mean −0.0009281
Std Dev 0.6941

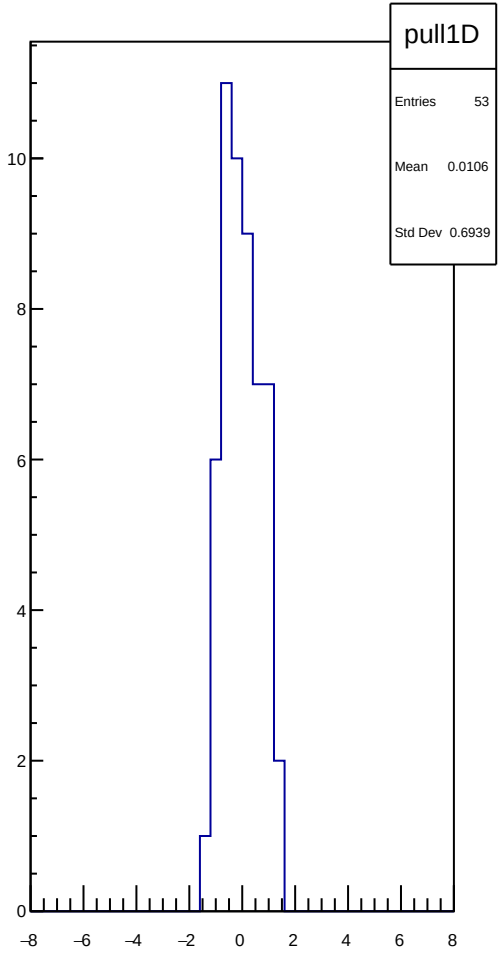

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 28.11 / 52
p0 36.06 ± 0.2814
pull
Entries 53
Mean −150.8
Std Dev 0

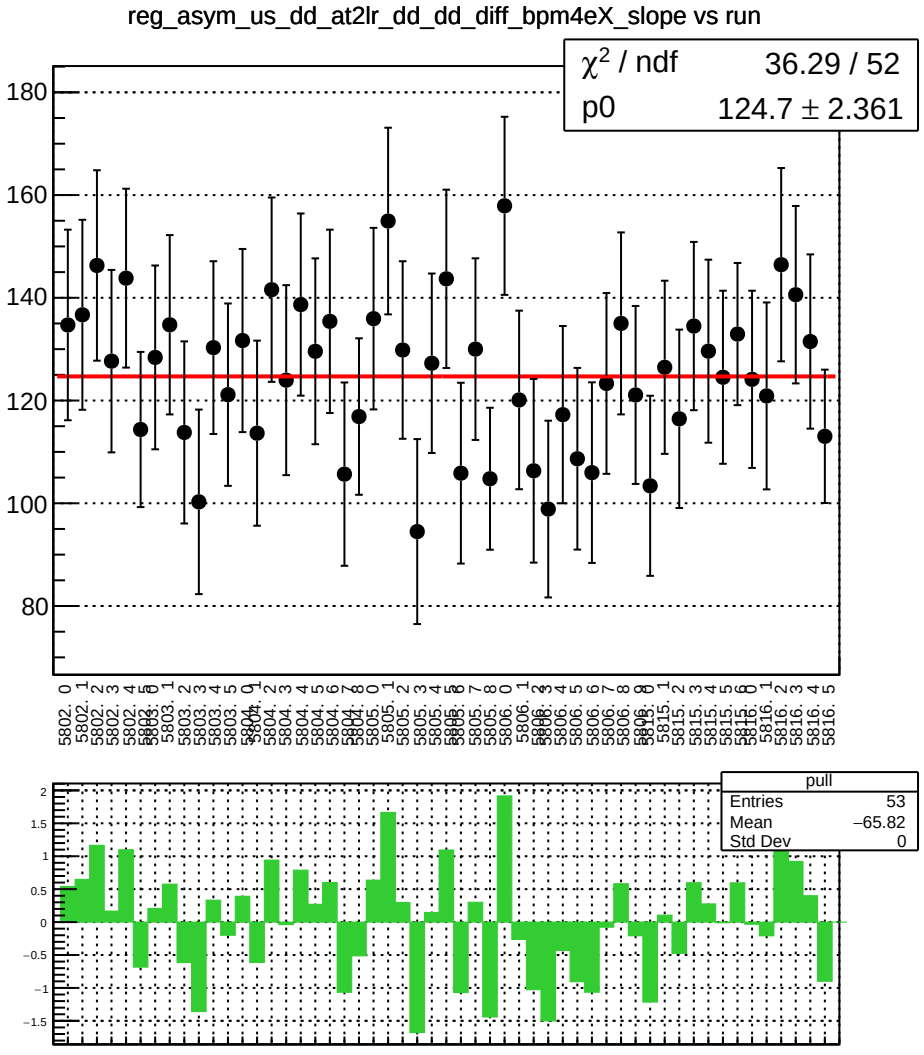

pull1D
Entries 53
Mean 0.007646
Std Dev 0.7282

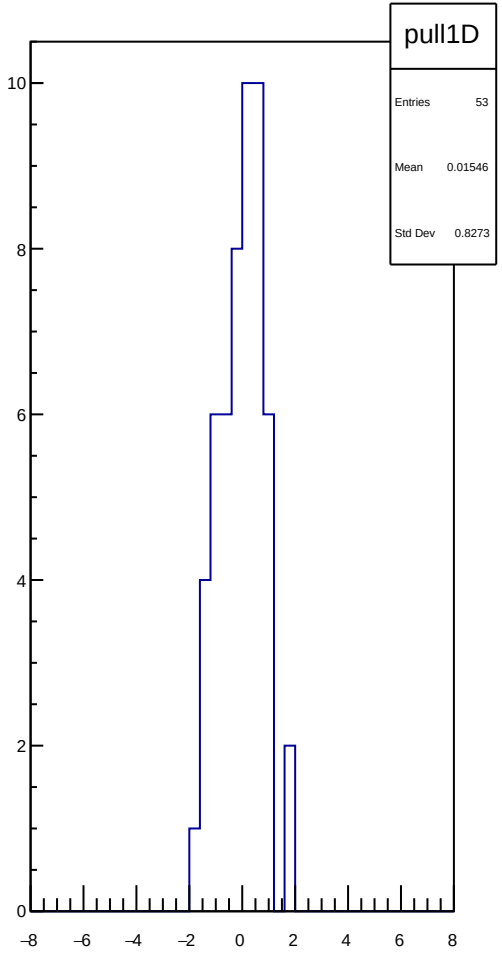

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 36.96 / 52
p0 −62.24 ± 1.613
pull
Entries 53
Mean 9.164
Std Dev 61.98

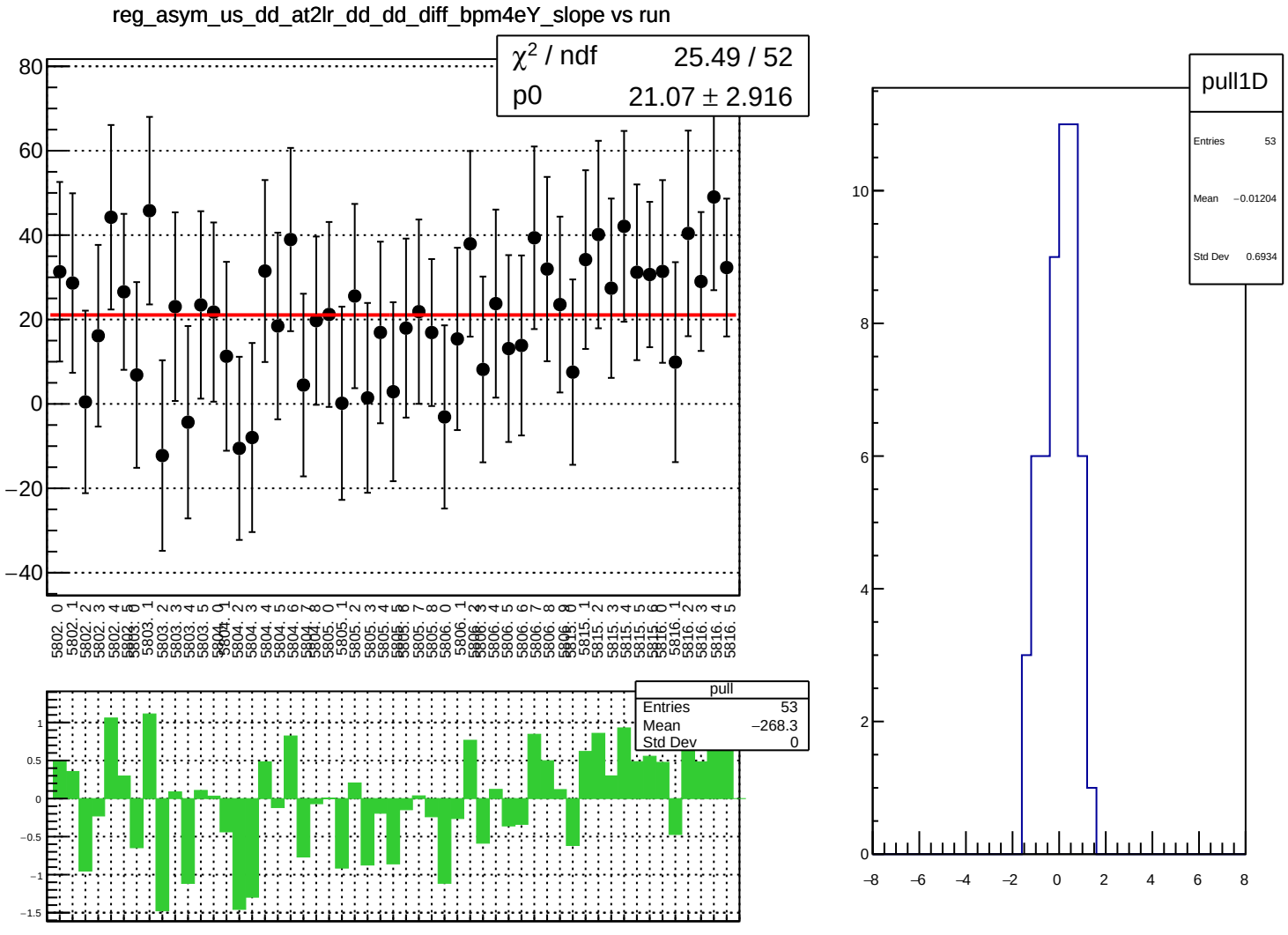

pull1D
Entries 53
Mean −0.01256
Std Dev 0.835

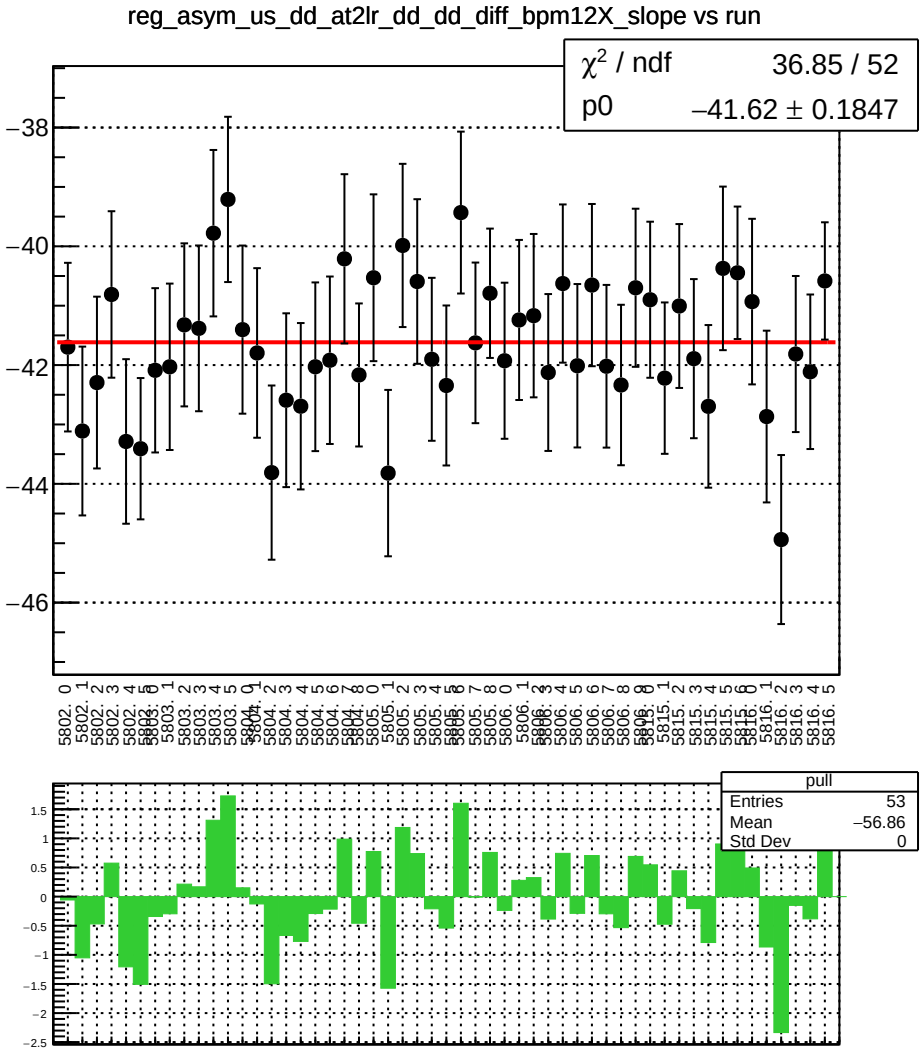

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.53 / 52
p0 1.017 ± 2.669
pull
Entries 53
Mean −300
Std Dev 0

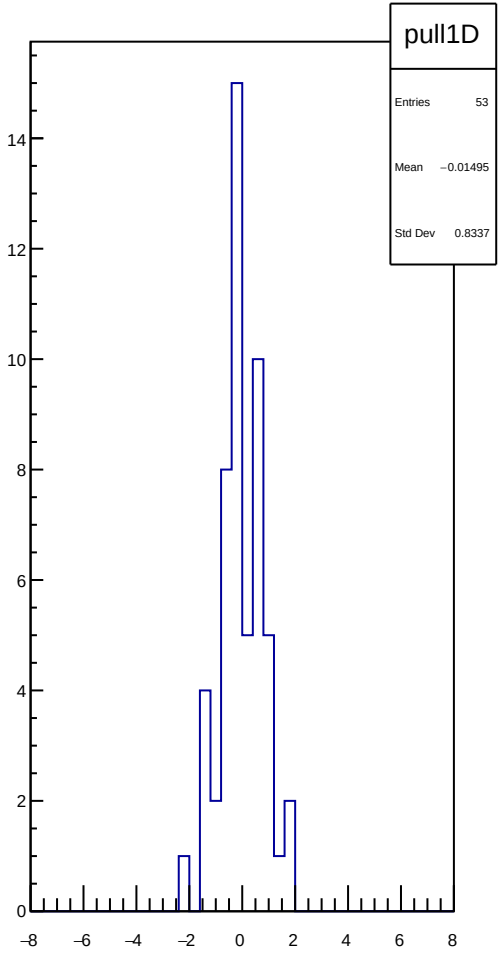

pull1D
Entries 53
Mean 0.0106
Std Dev 0.6939

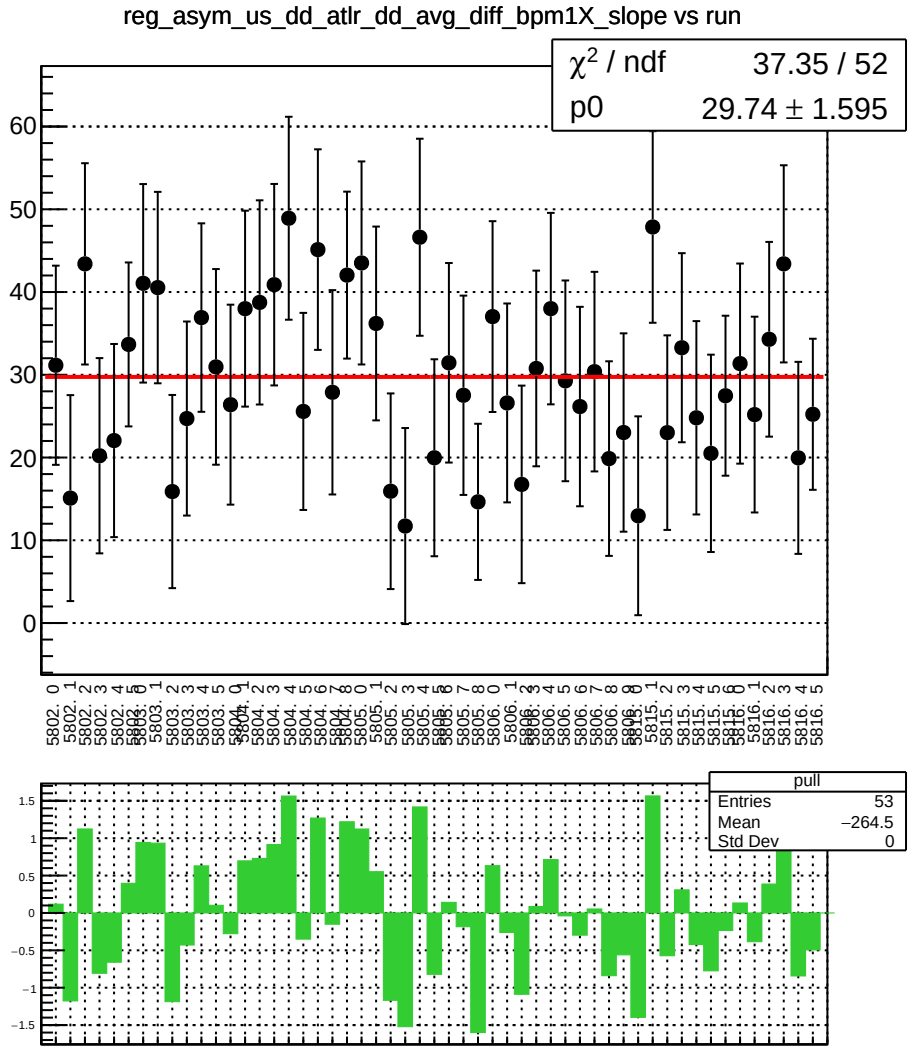

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.29 / 52
p0 124.7 ± 2.361
pull
Entries 53
Mean −65.82
Std Dev 0

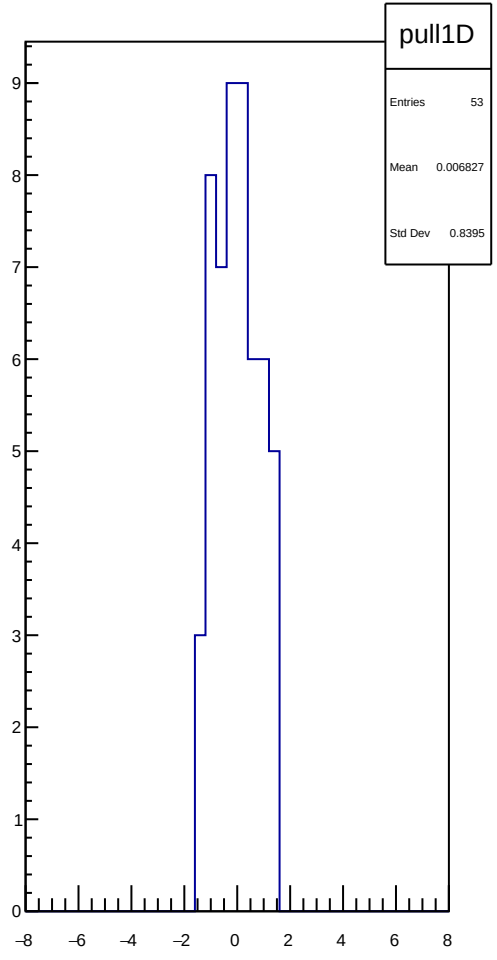

pull1D
Entries 53
Mean 0.01546
Std Dev 0.8273

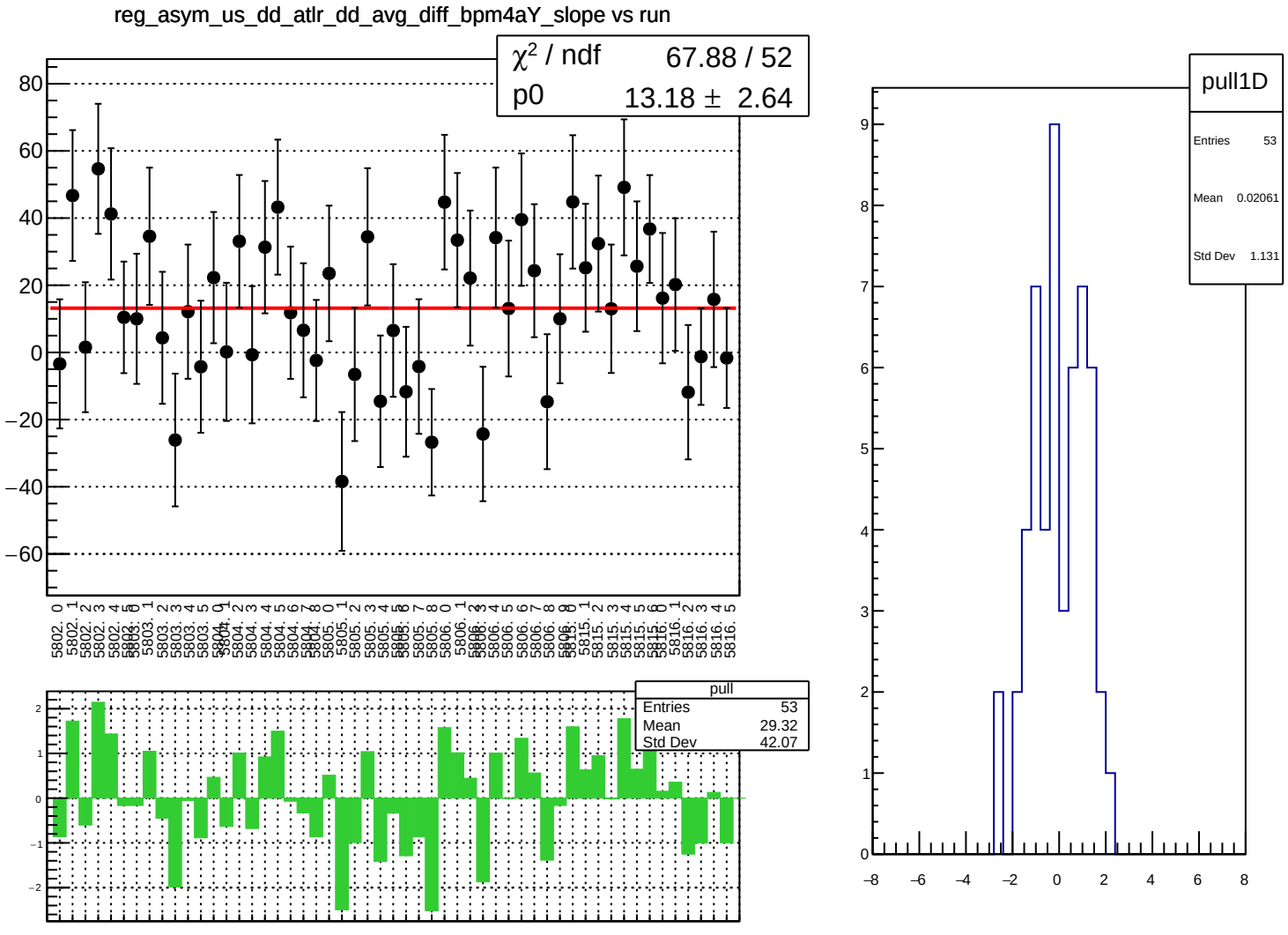

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.49 / 52
p0 21.07 ± 2.916
pull
Entries 53
Mean −268.3
Std Dev 0
pull1D
Entries 53
Mean −0.01204
Std Dev 0.6934

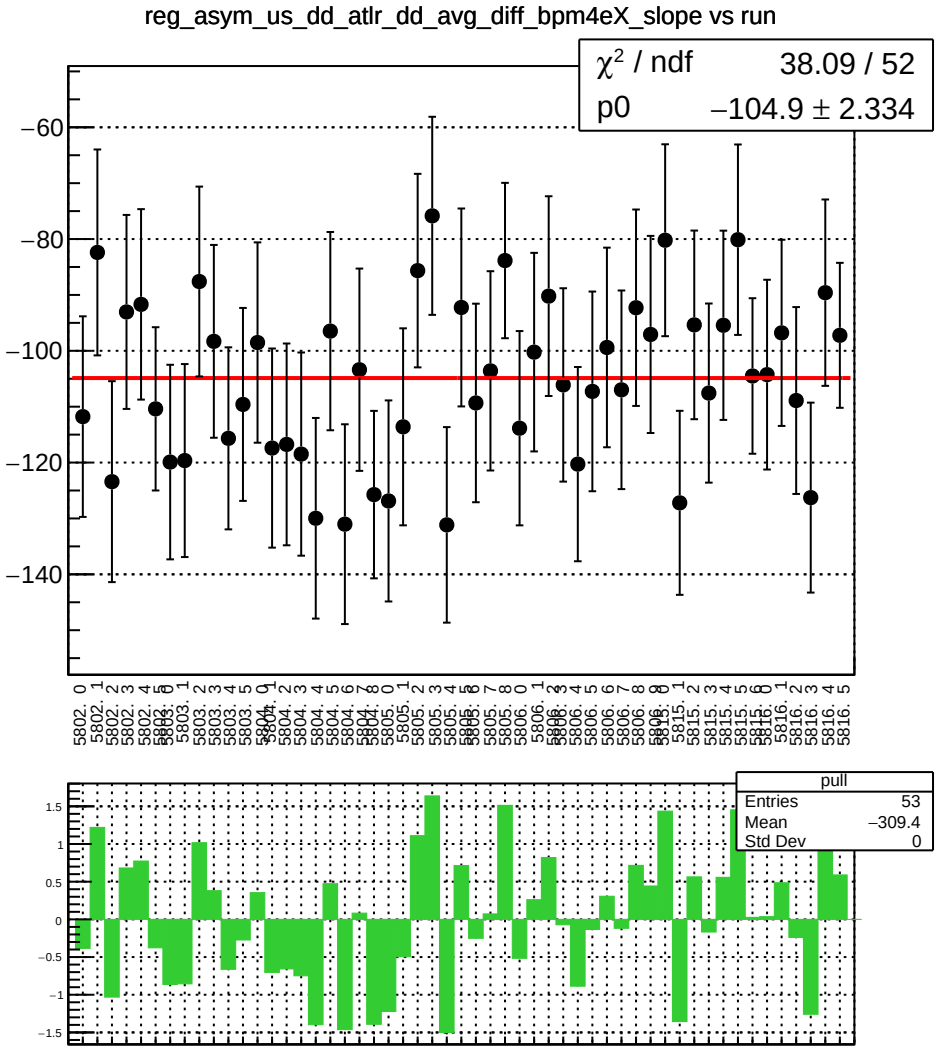

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.85 / 52
p0 −41.62 ± 0.1847
pull
Entries 53
Mean −56.86
Std Dev 0

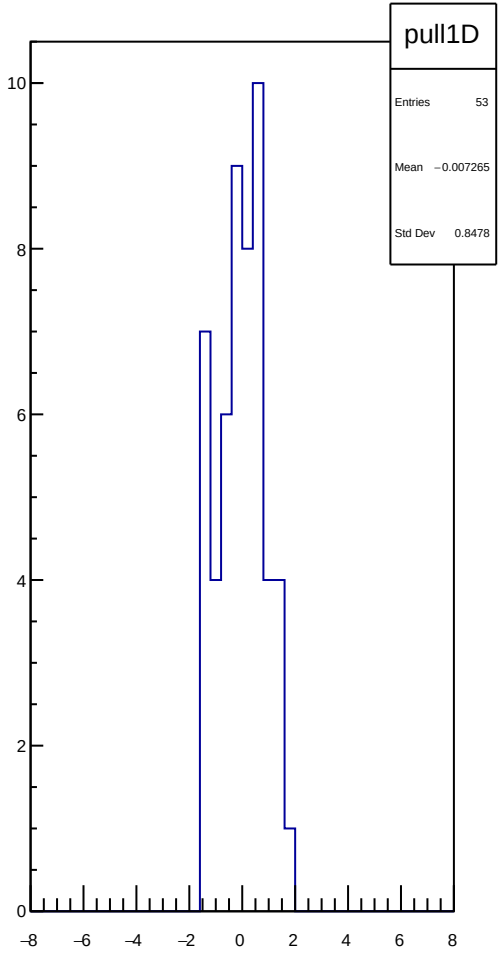

pull1D
Entries 53
Mean −0.01495
Std Dev 0.8337

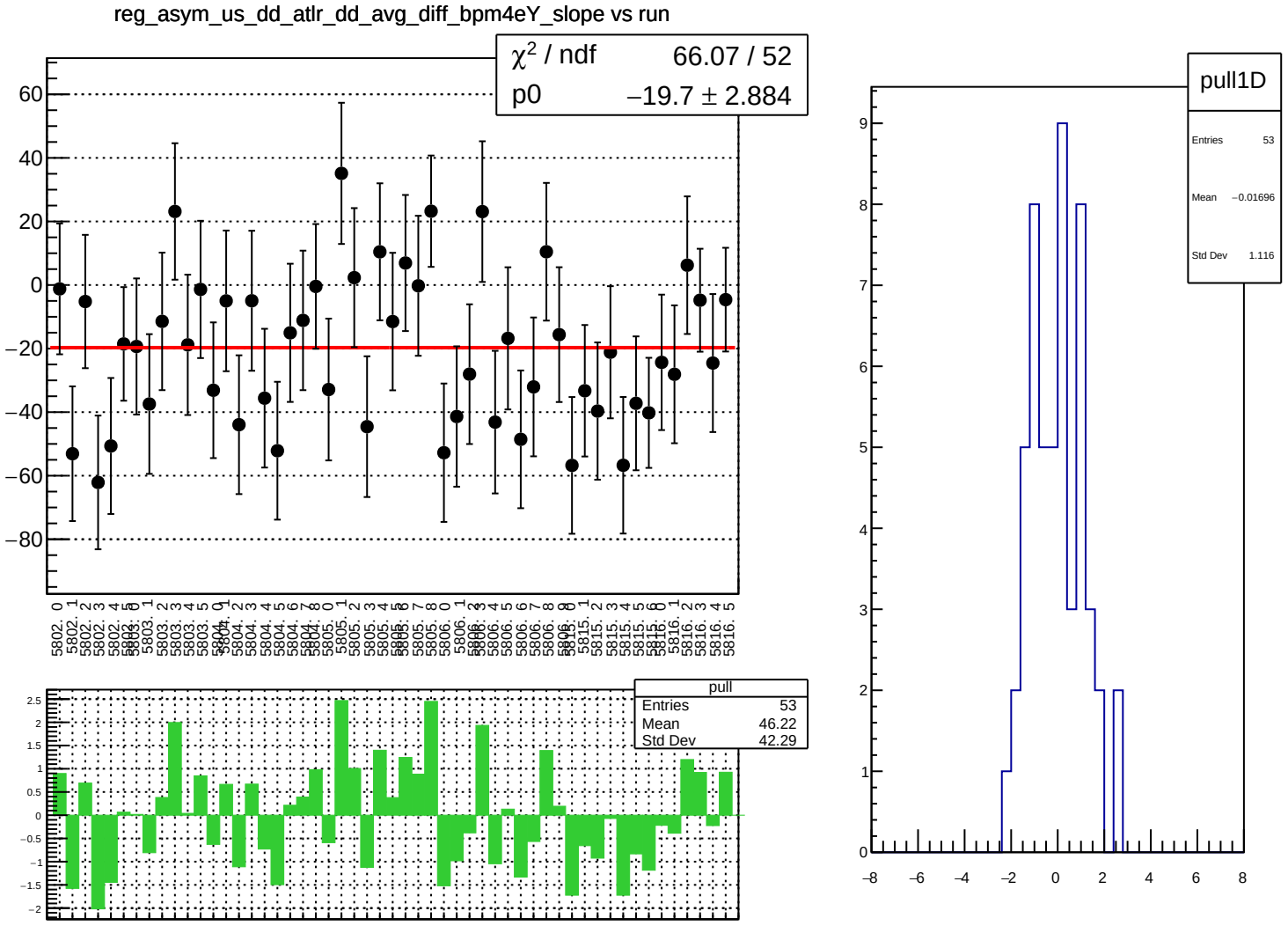

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 37.35 / 52
p0 29.74 ± 1.595
pull
Entries 53
Mean −264.5
Std Dev 0

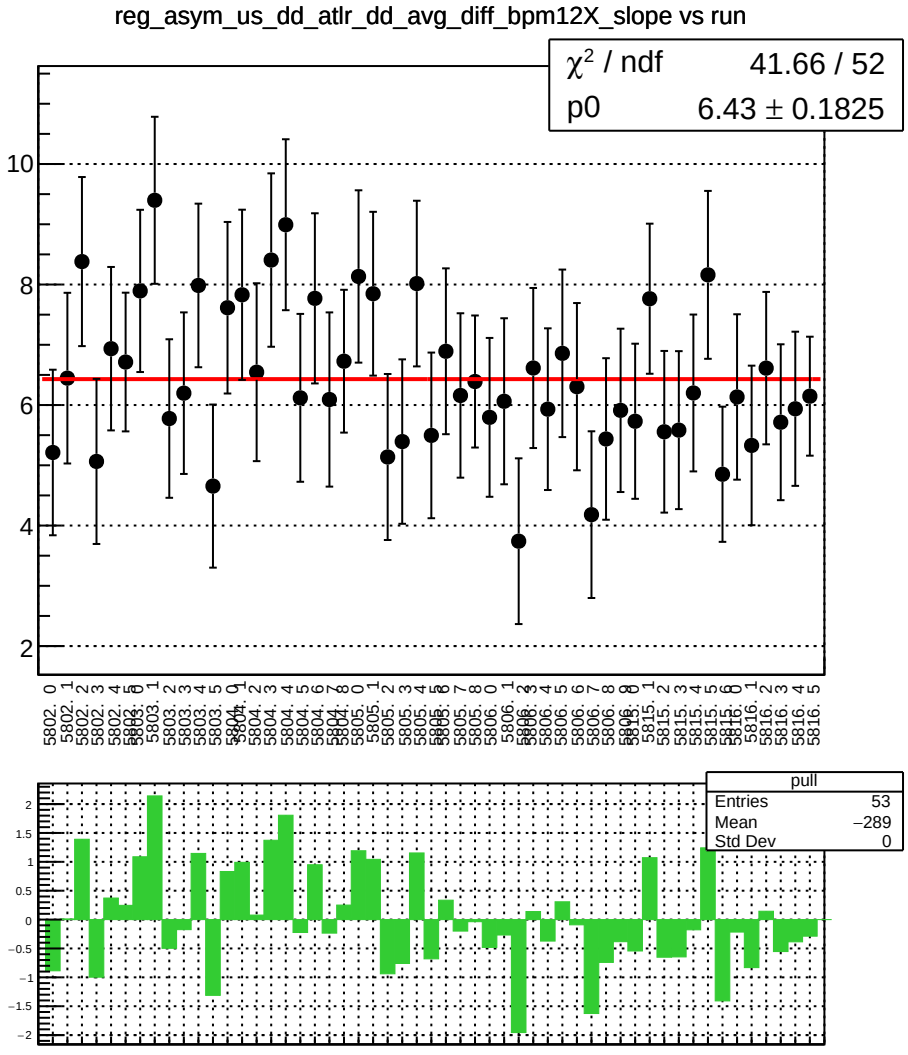

pull1D
Entries 53
Mean 0.006827
Std Dev 0.8395

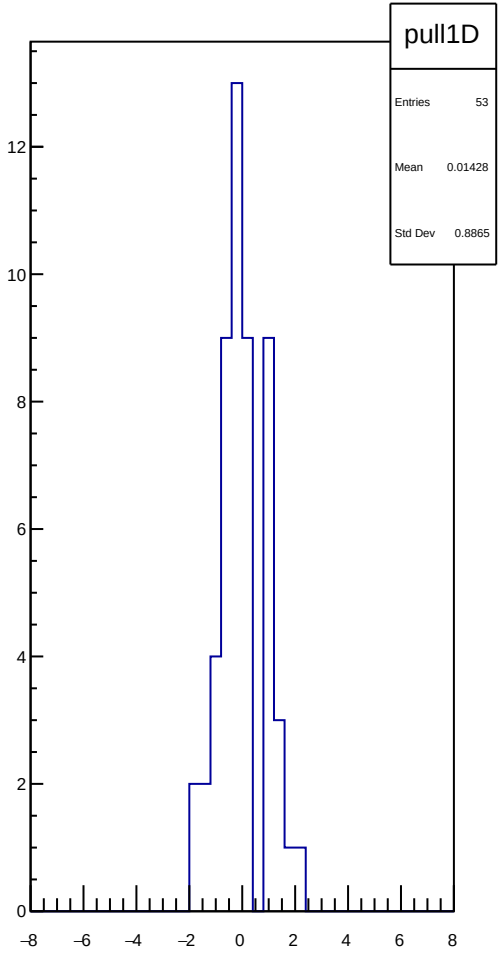

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.88 / 52
p0 13.18 ± 2.64
pull
Entries 53
Mean 29.32
Std Dev 42.07
pull1D
Entries 53
Mean 0.02061
Std Dev 1.131

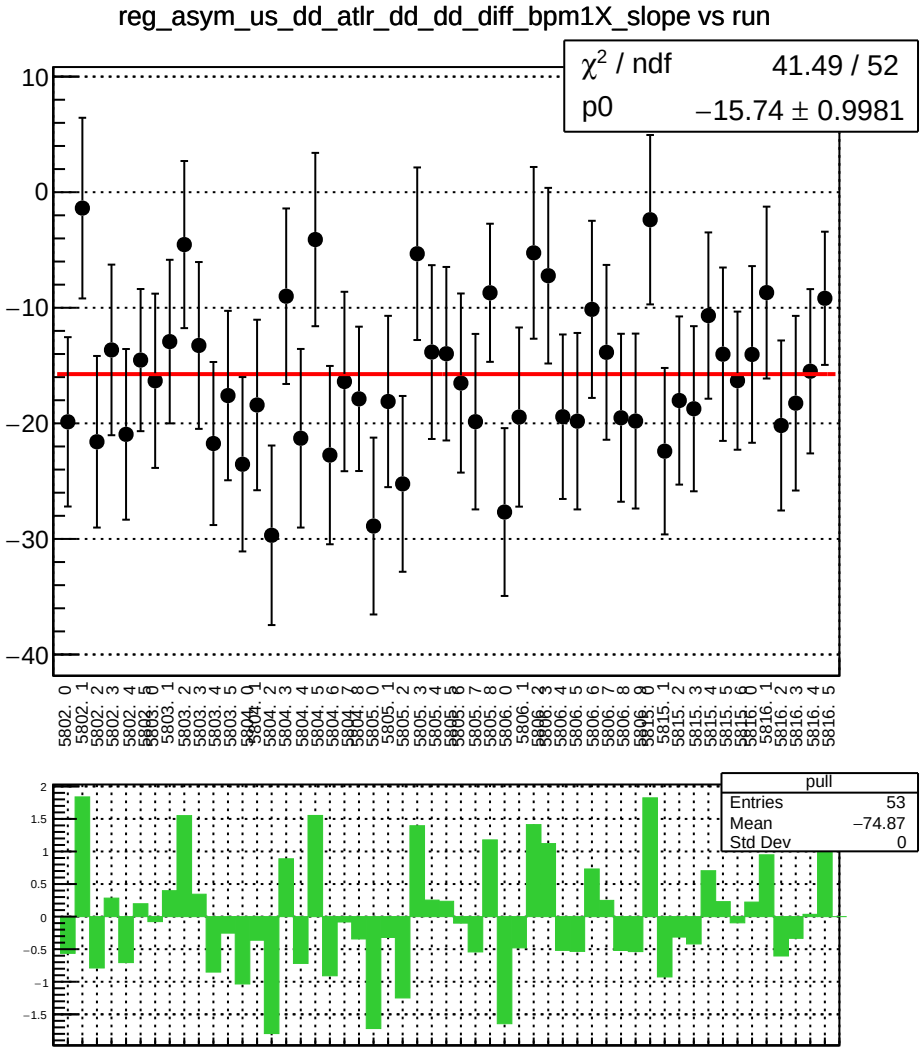

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.09 / 52
p0 −104.9 ± 2.334
pull
Entries 53
Mean −309.4
Std Dev 0

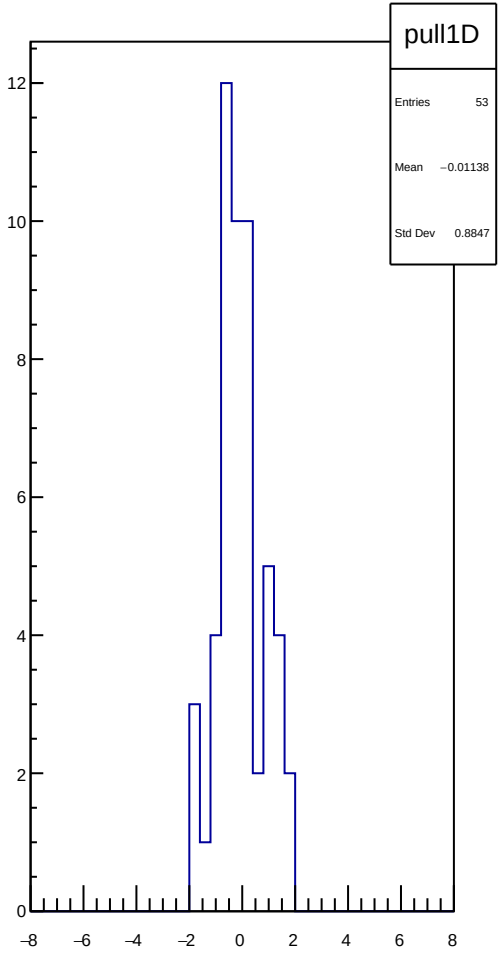

pull1D
Entries 53
Mean −0.007265
Std Dev 0.8478

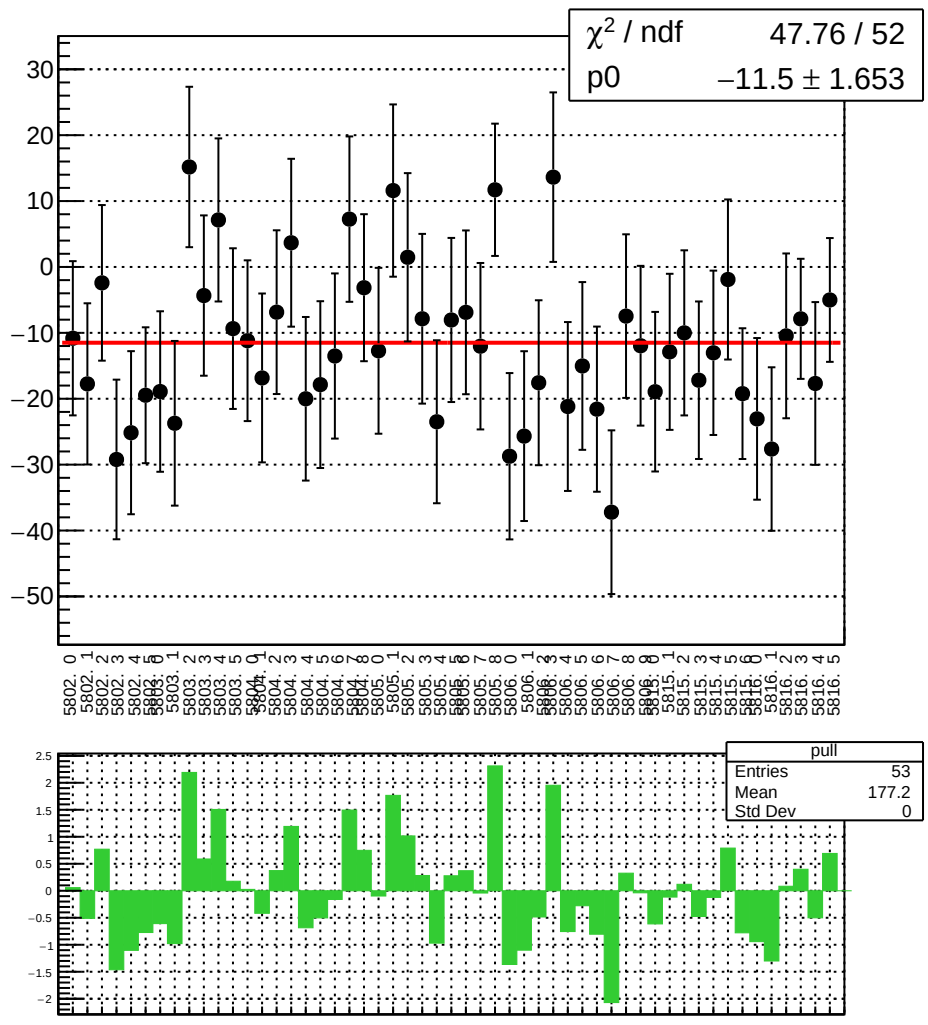

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.07 / 52
p0 −19.7 ± 2.884
pull
Entries 53
Mean 46.22
Std Dev 42.29
pull1D
Entries 53
Mean −0.01696
Std Dev 1.116

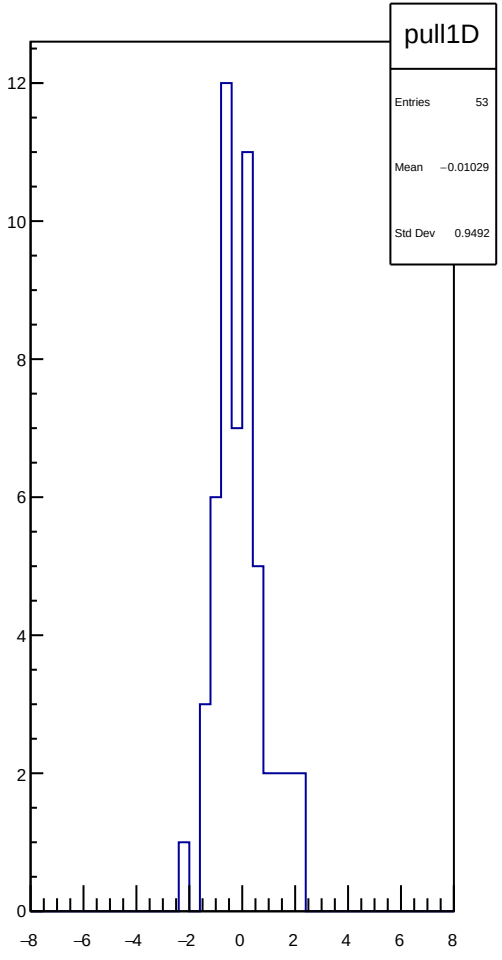

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 41.66 / 52
p0 6.43 ± 0.1825
pull
Entries 53
Mean −289
Std Dev 0

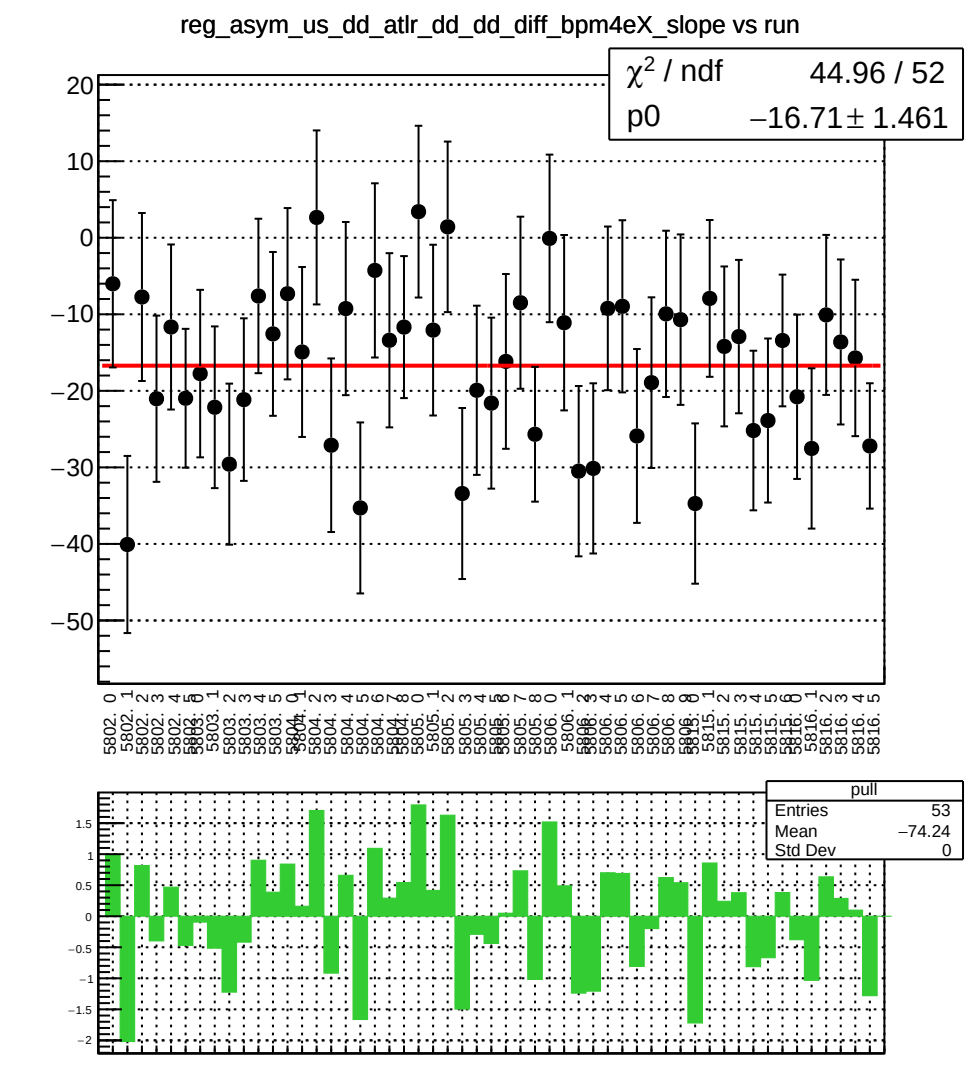

pull1D
Entries 53
Mean 0.01428
Std Dev 0.8865

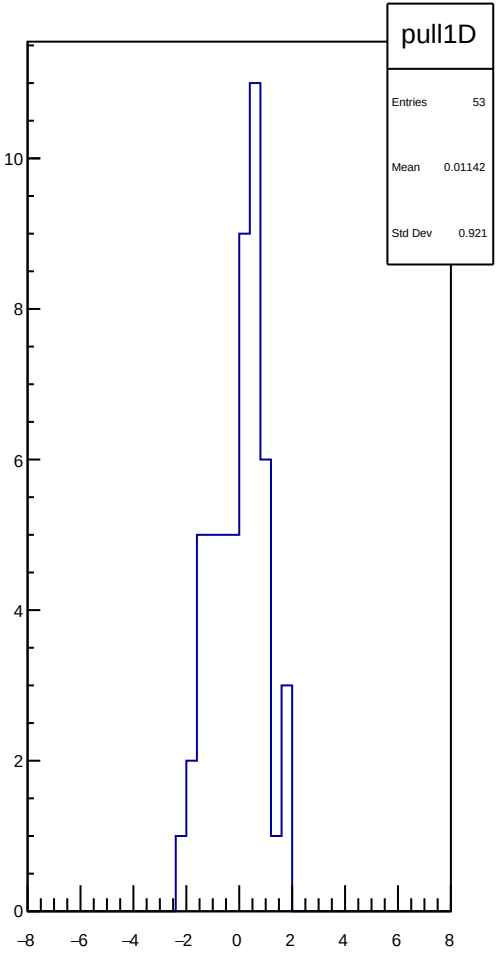

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 41.49 / 52
p0 −15.74 ± 0.9981
pull
Entries 53
Mean −74.87
Std Dev 0

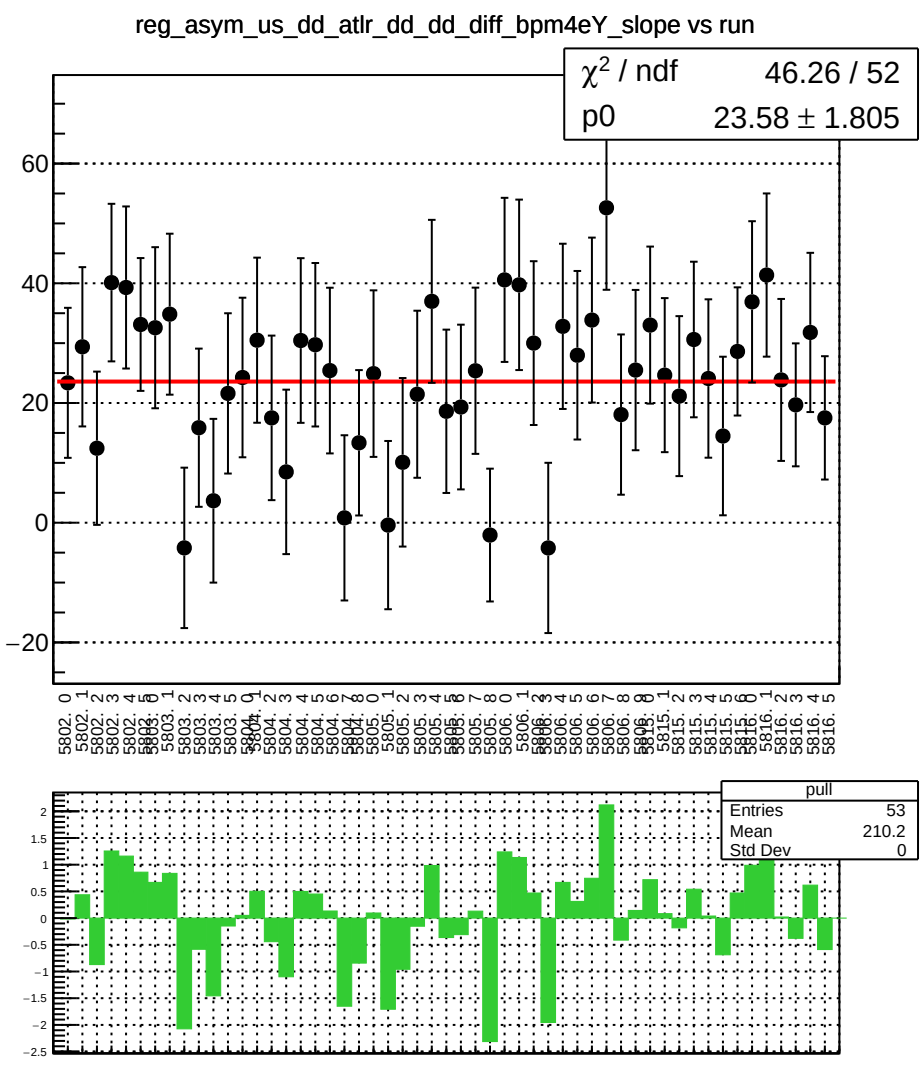

pull1D
Entries 53
Mean −0.01138
Std Dev 0.8847

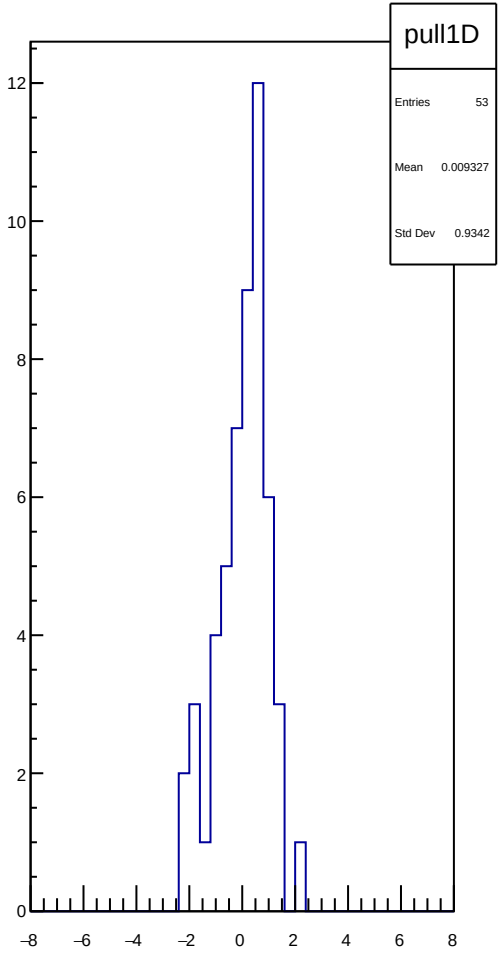

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.76 / 52
p0 −11.5 ± 1.653
pull
Entries 53
Mean 177.2
Std Dev 0

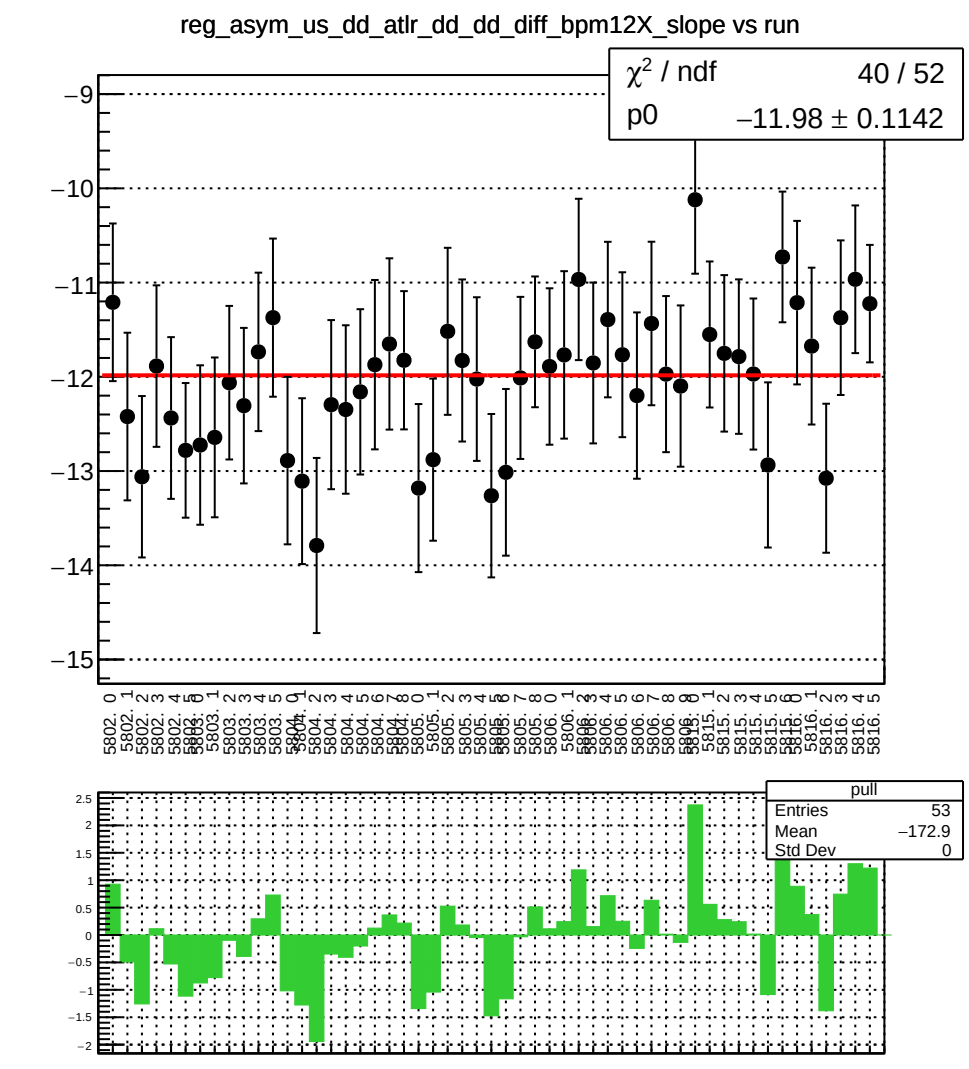

pull1D
Entries 53
Mean −0.01029
Std Dev 0.9492

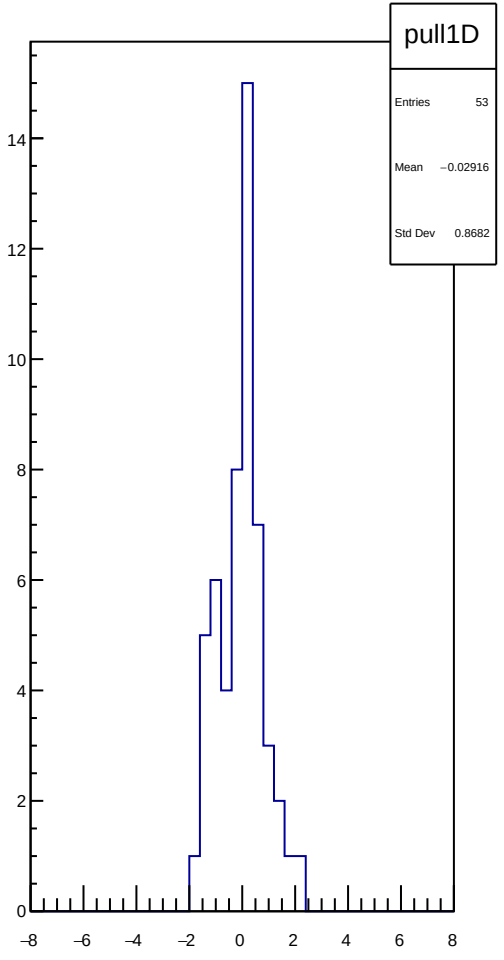

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.96 / 52
p0 −16.71 ± 1.461
pull
Entries 53
Mean −74.24
Std Dev 0

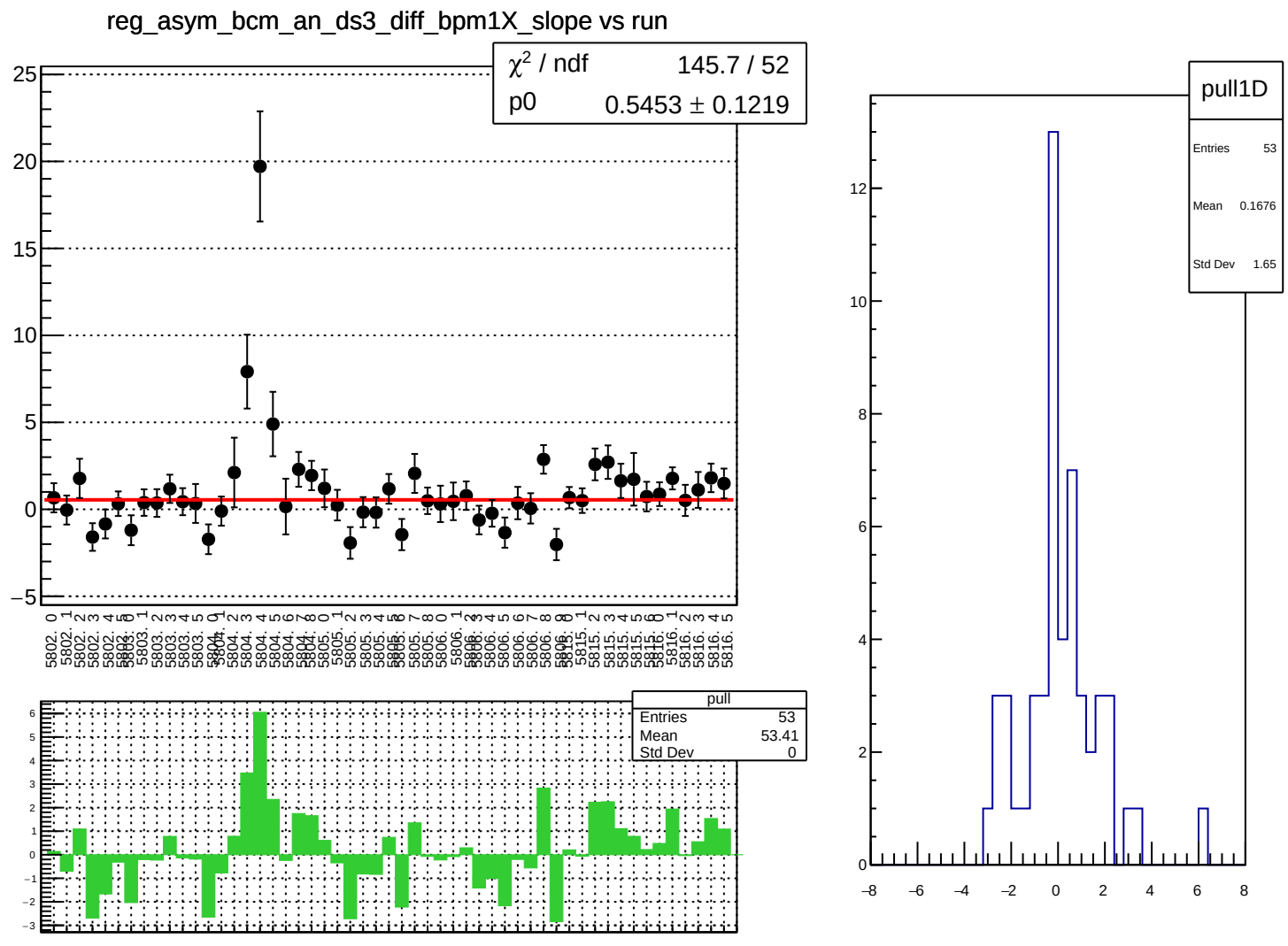

pull1D
Entries 53
Mean 0.01142
Std Dev 0.921

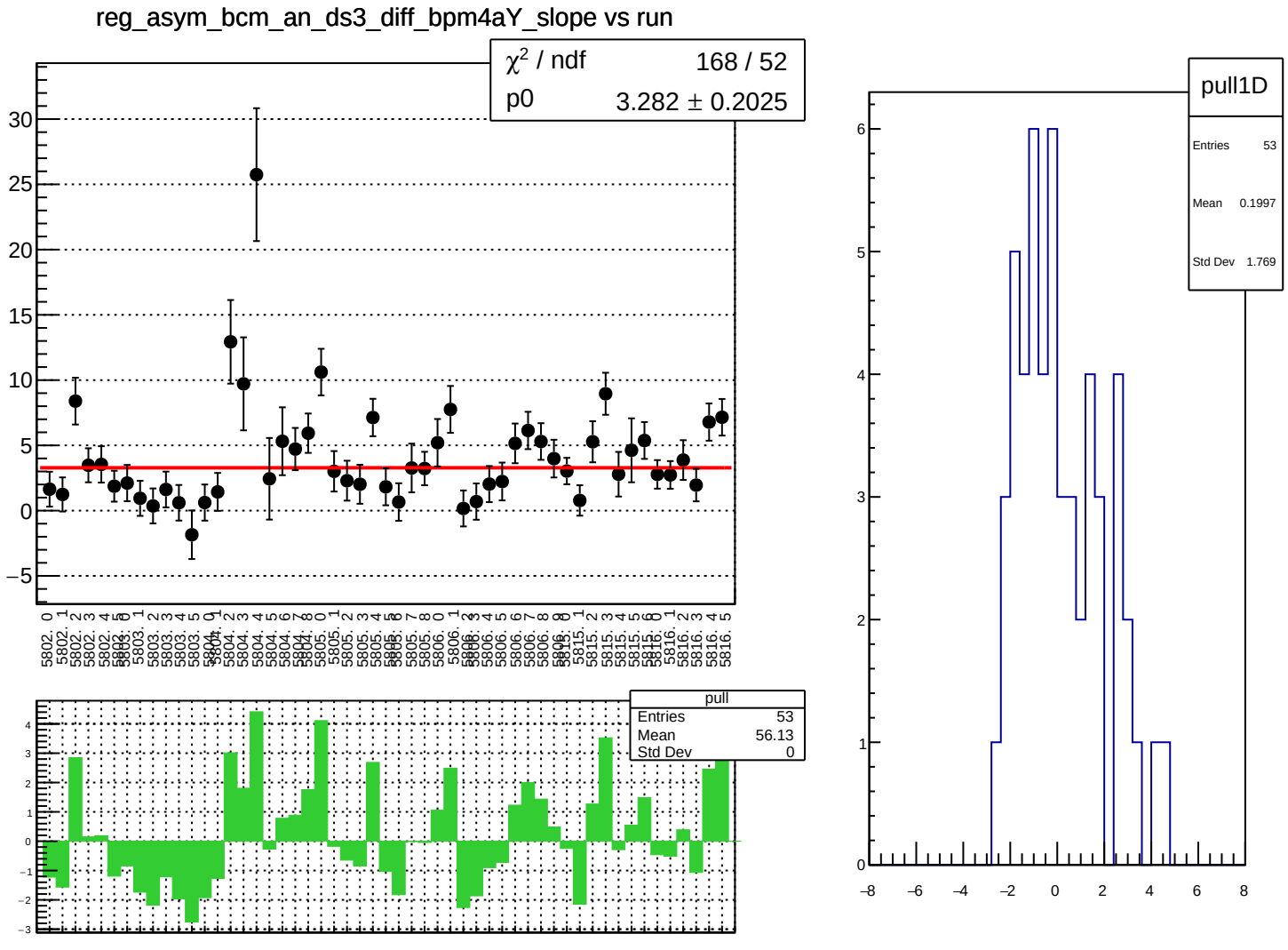

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.26 / 52
p0 23.58 ± 1.805
pull
Entries 53
Mean 210.2
Std Dev 0

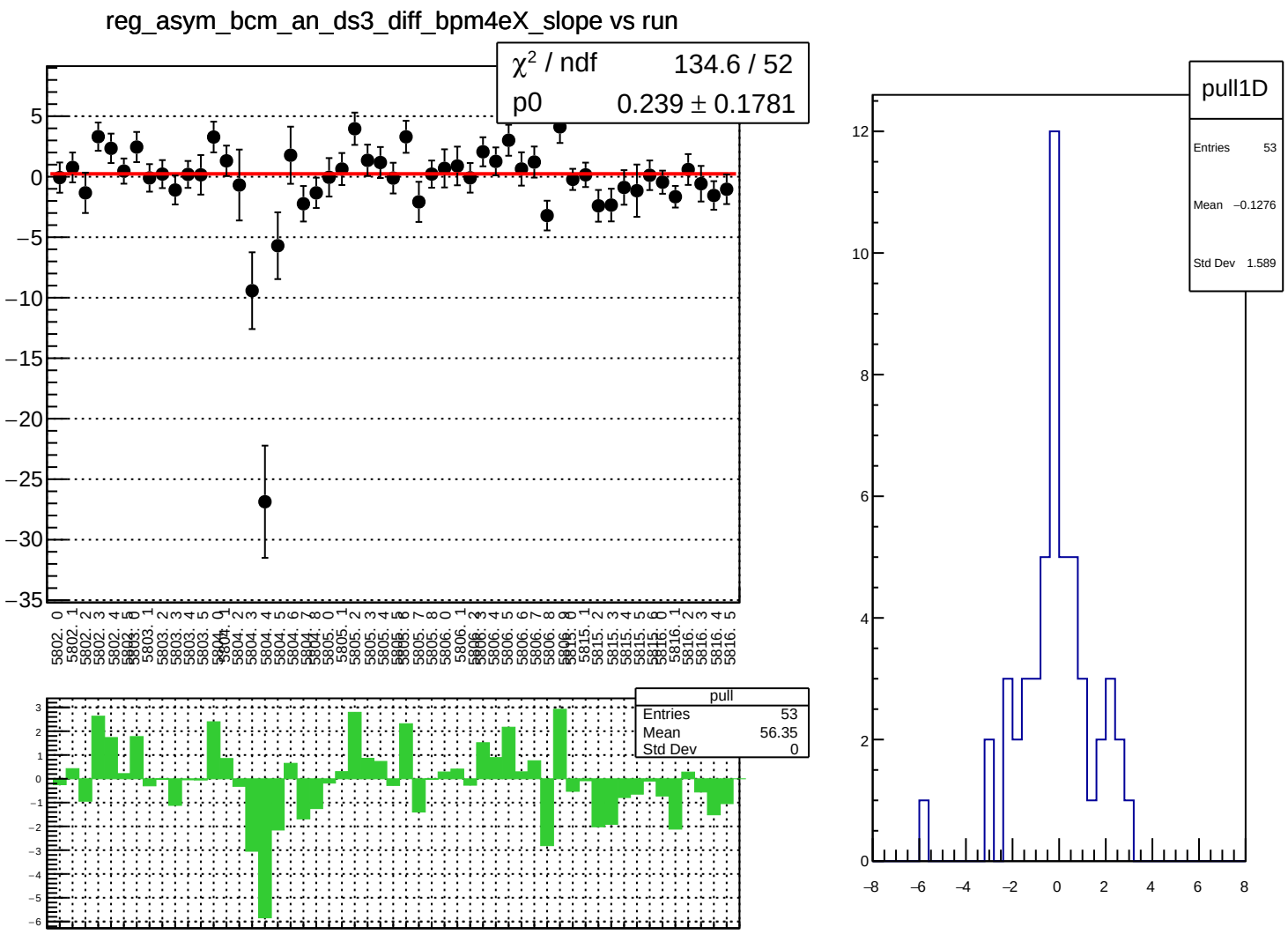

pull1D
Entries 53
Mean 0.009327
Std Dev 0.9342

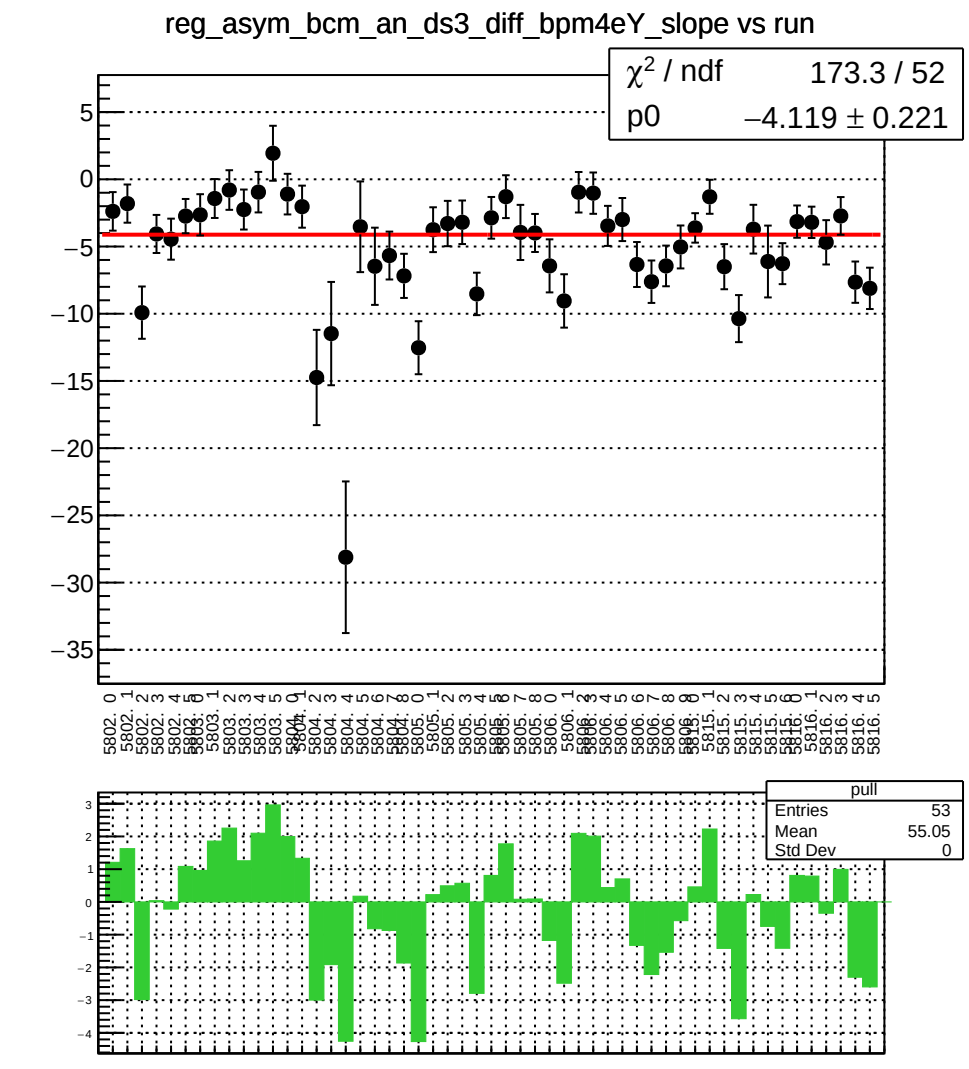

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 40 / 52
p0 −11.98 ± 0.1142
pull
Entries 53
Mean −172.9
Std Dev 0

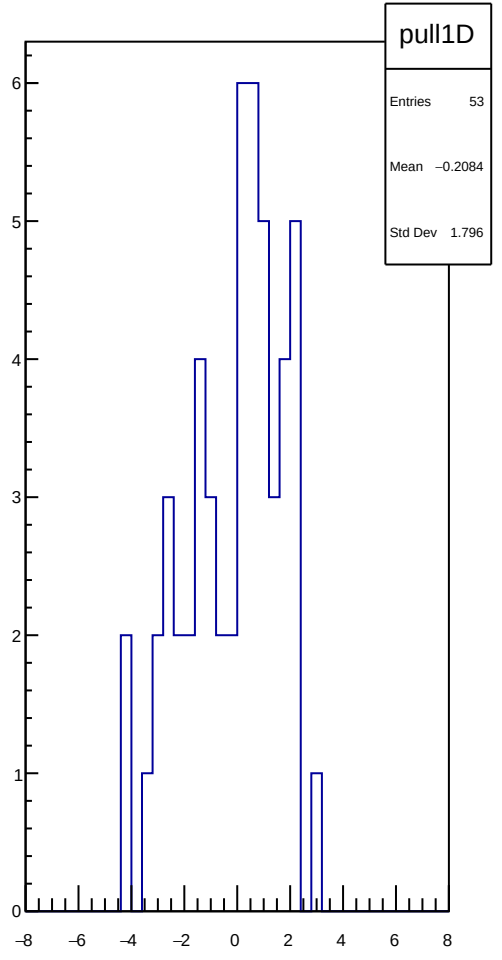

pull1D
Entries 53
Mean −0.02916
Std Dev 0.8682

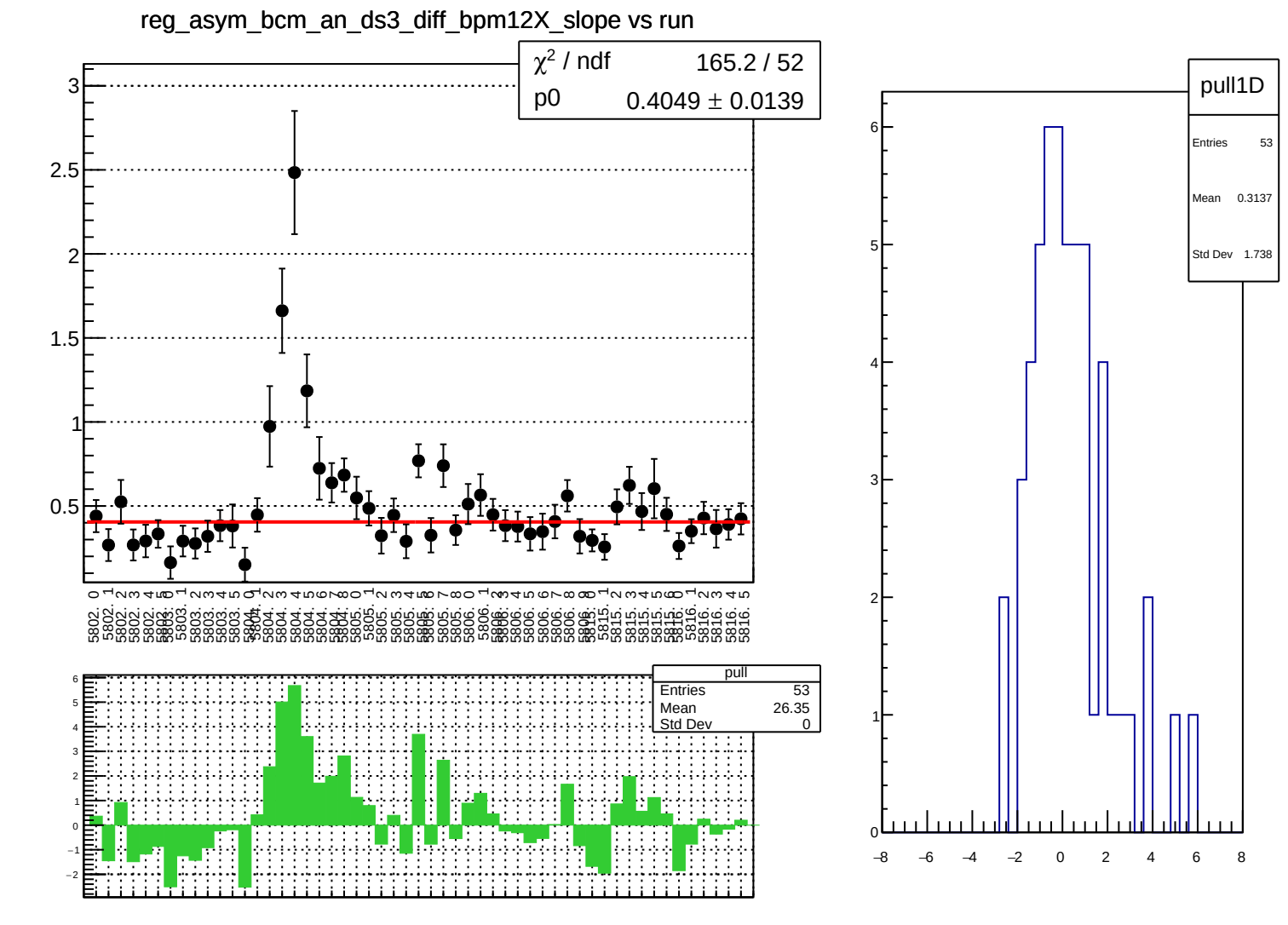

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 145.7 / 52
p0 0.5453 ± 0.1219
pull
Entries 53
Mean 53.41
Std Dev 0
pull1D
Entries 53
Mean 0.1676
Std Dev 1.65

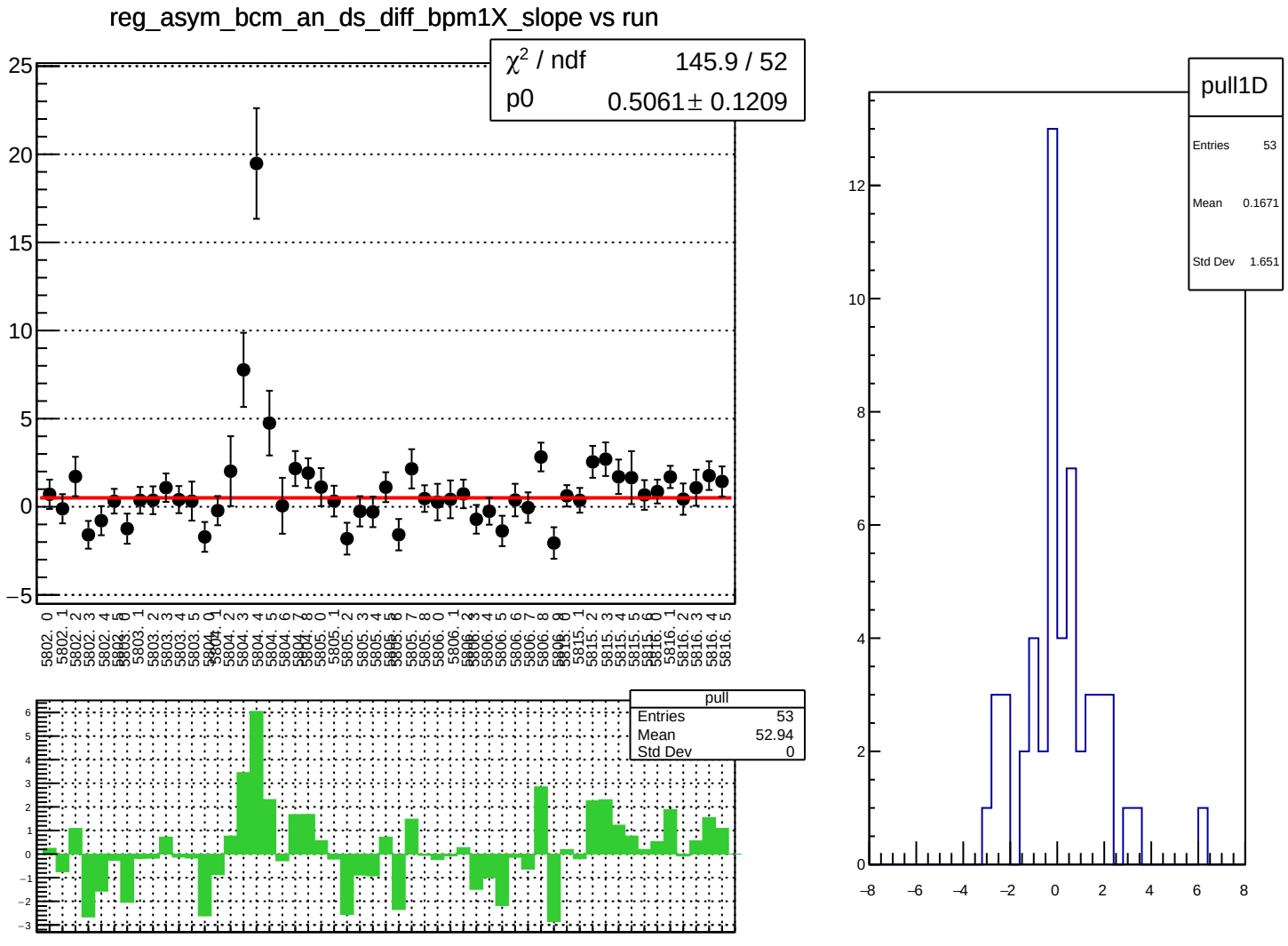

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 168 / 52
p0 3.282 ± 0.2025
pull
Entries 53
Mean 56.13
Std Dev 0
pull1D
Entries 53
Mean 0.1997
Std Dev 1.769

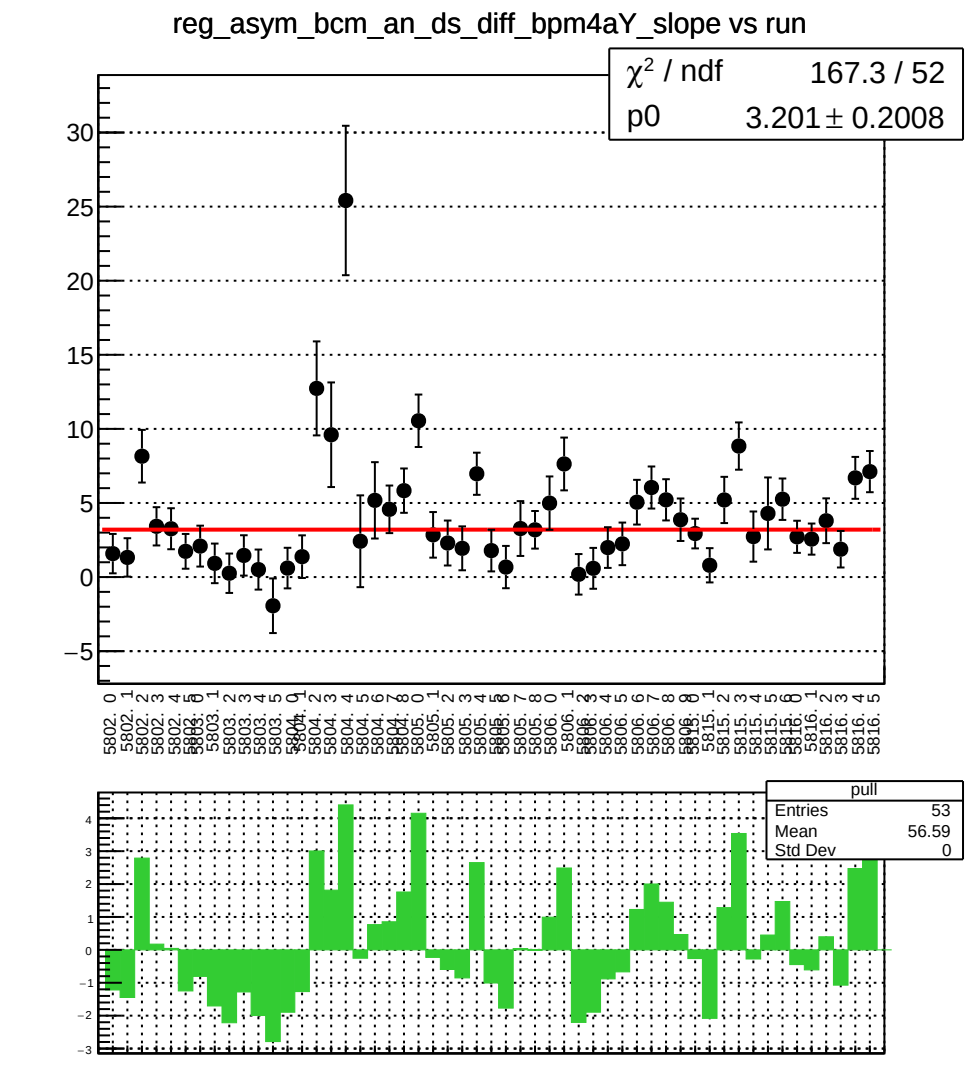

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 134.6 / 52
p0 0.239 ± 0.1781
pull
Entries 53
Mean 56.35
Std Dev 0
pull1D
Entries 53
Mean −0.1276
Std Dev 1.589

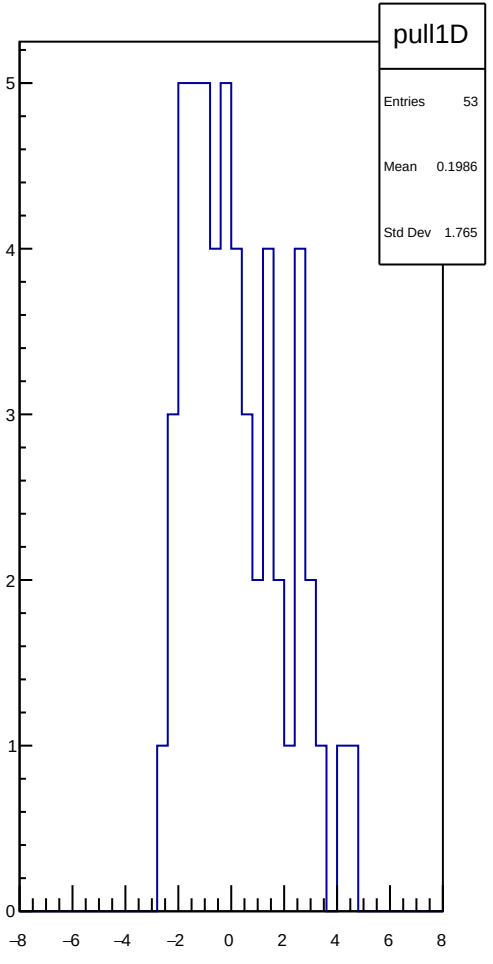

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 173.3 / 52
p0 −4.119 ± 0.221
pull
Entries 53
Mean 55.05
Std Dev 0

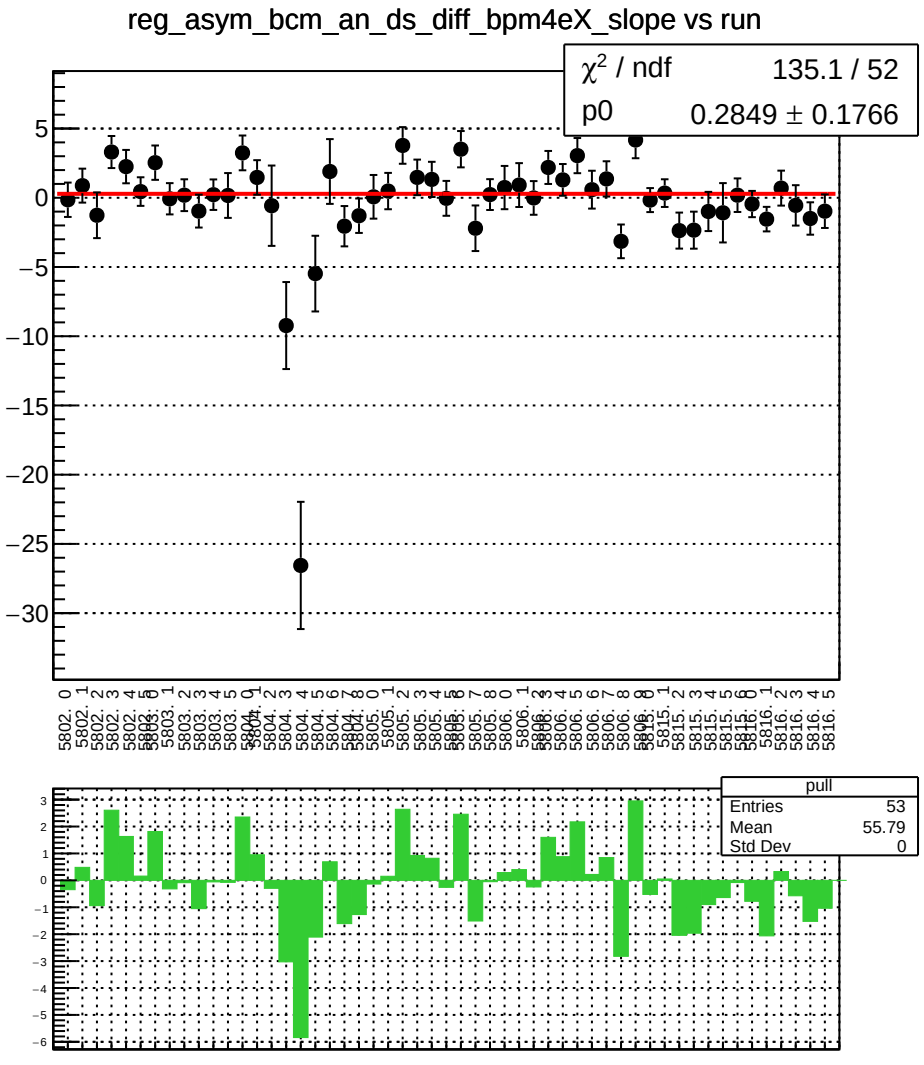

pull1D
Entries 53
Mean −0.2084
Std Dev 1.796

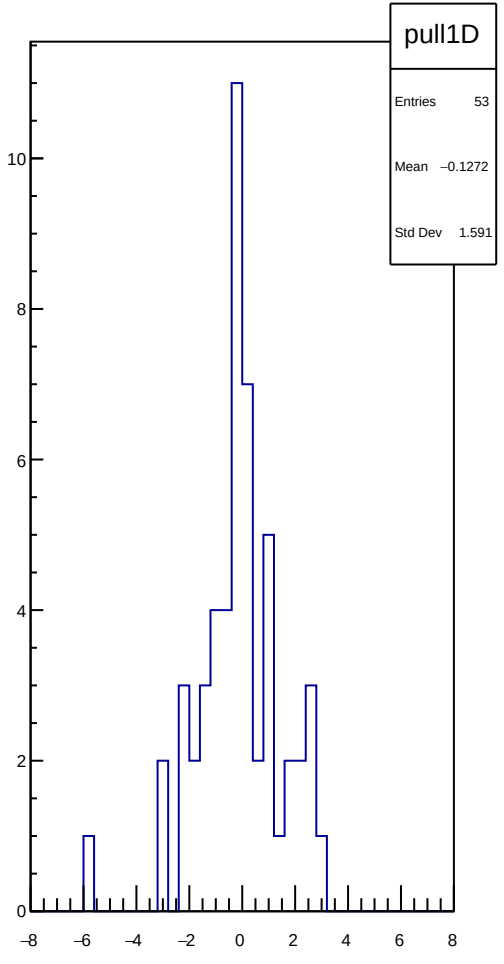

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 165.2 / 52
p0 0.4049 ± 0.0139
pull
Entries 53
Mean 26.35
Std Dev 0
pull1D
Entries 53
Mean 0.3137
Std Dev 1.738

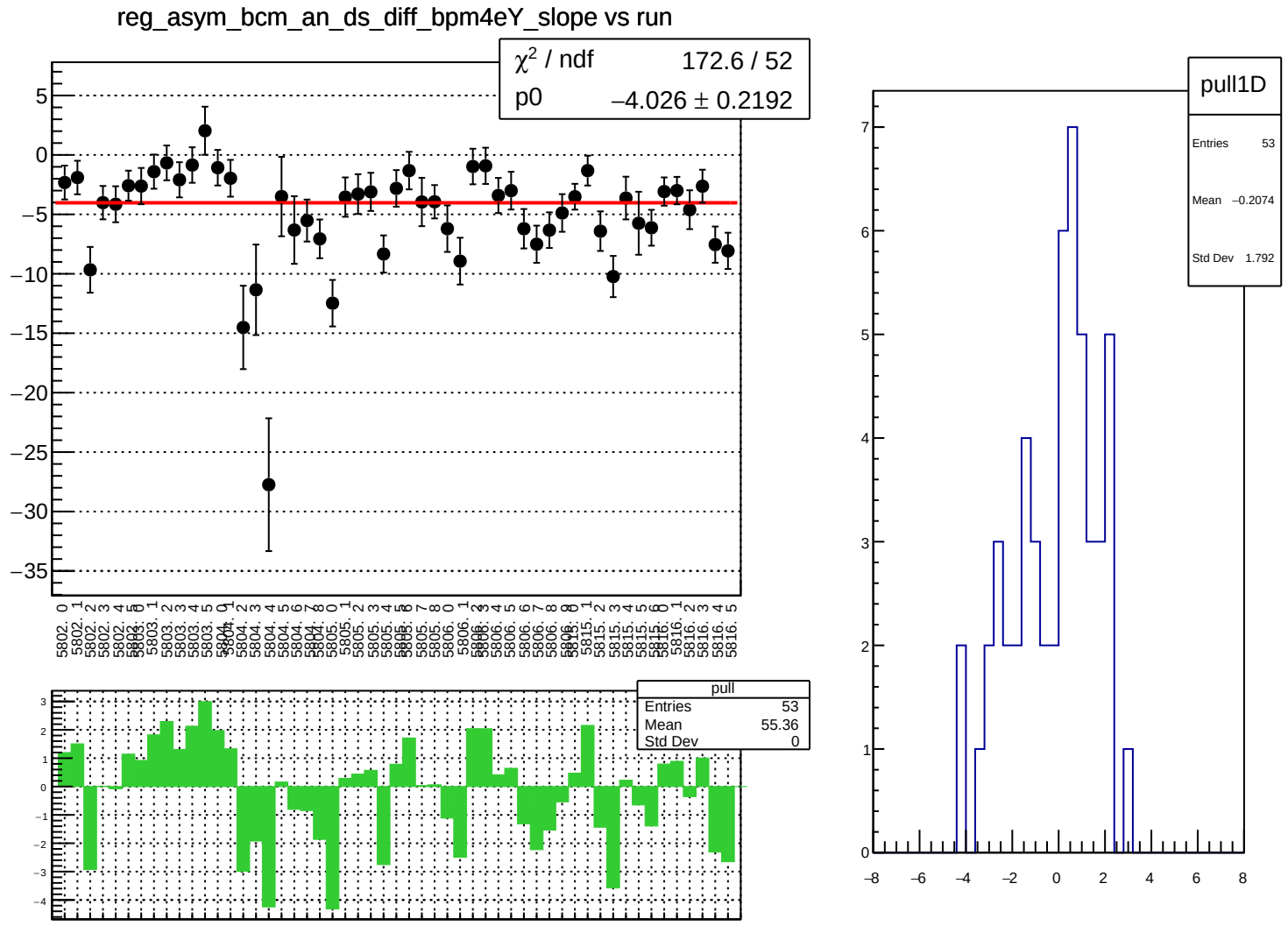

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 145.9 / 52
p0 0.5061 ± 0.1209
pull
Entries 53
Mean 52.94
Std Dev 0
pull1D
Entries 53
Mean 0.1671
Std Dev 1.651

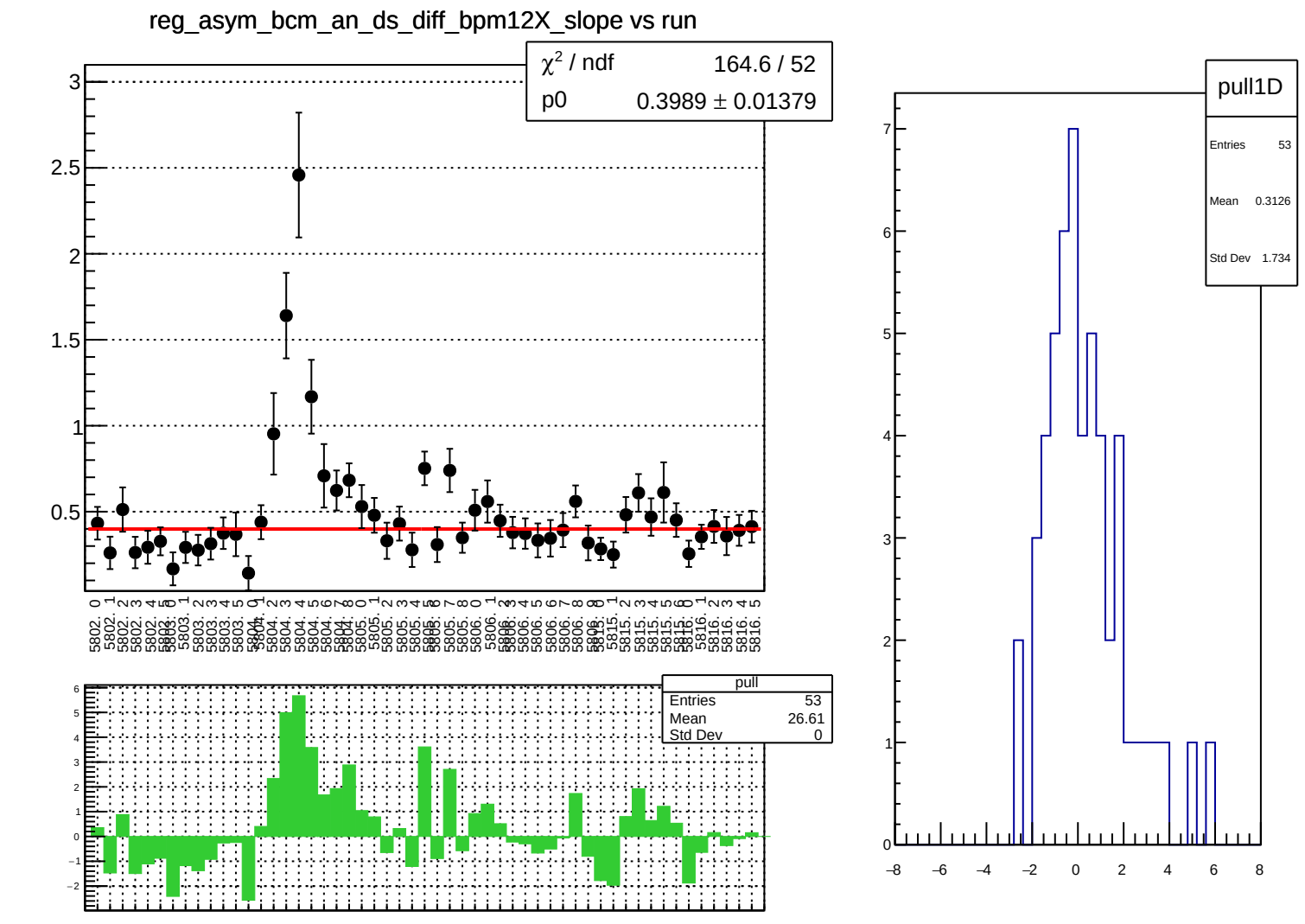

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 167.3 / 52
p0 3.201 ± 0.2008
pull
Entries 53
Mean 56.59
Std Dev 0


pull1D
Entries 53
Mean 0.1986
Std Dev 1.765

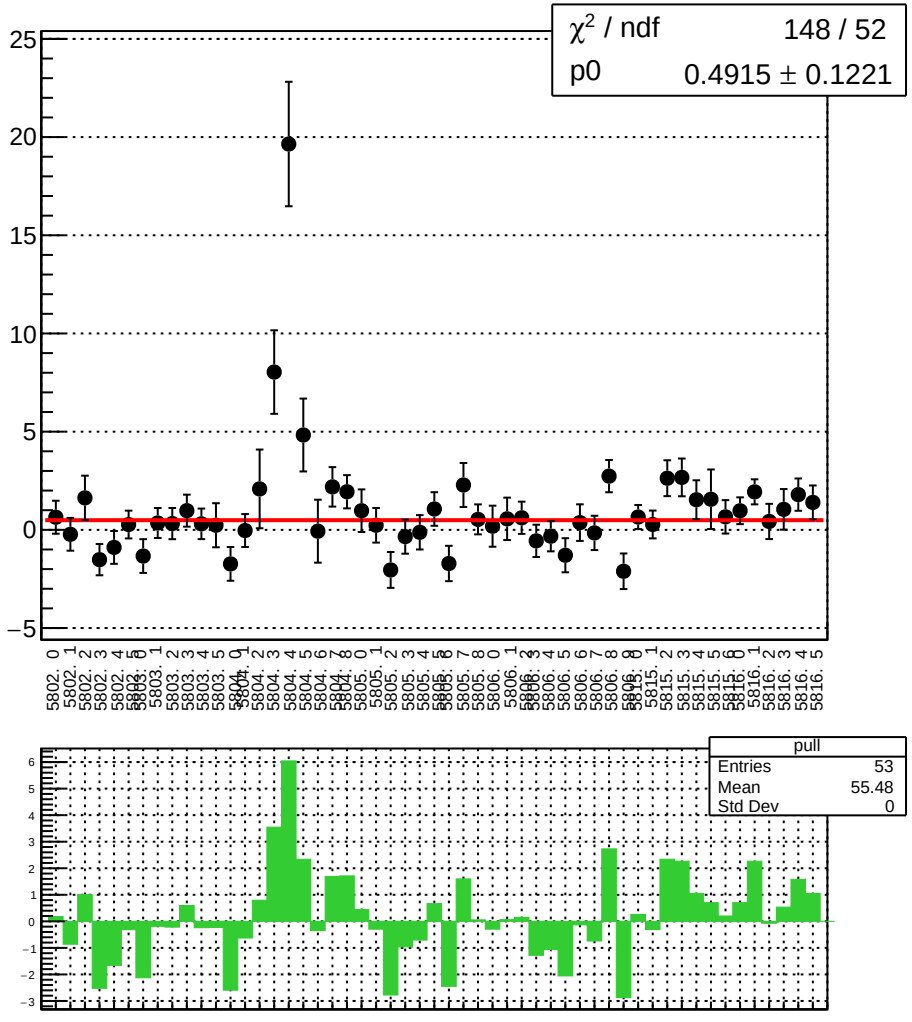

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 135.1 / 52
p0 0.2849 ± 0.1766
pull
Entries 53
Mean 55.79
Std Dev 0

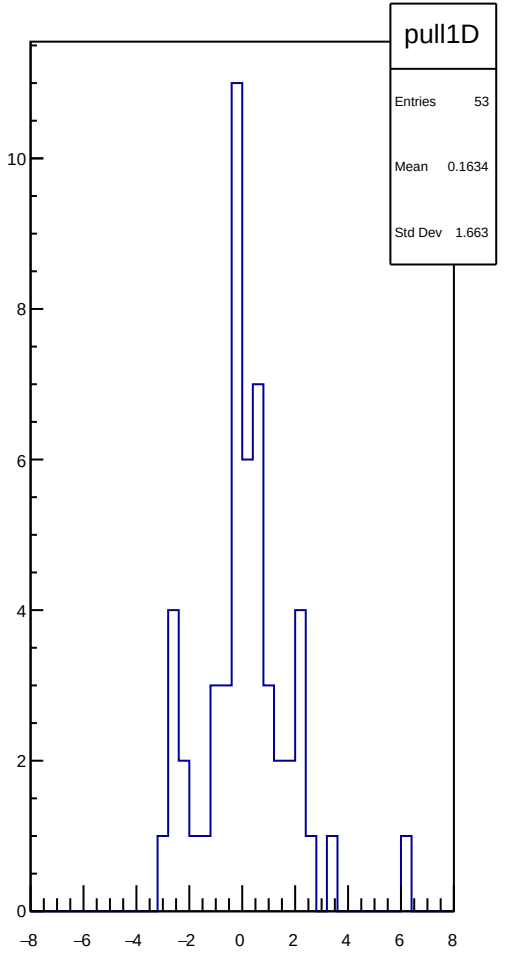

pull1D
Entries 53
Mean −0.1272
Std Dev 1.591

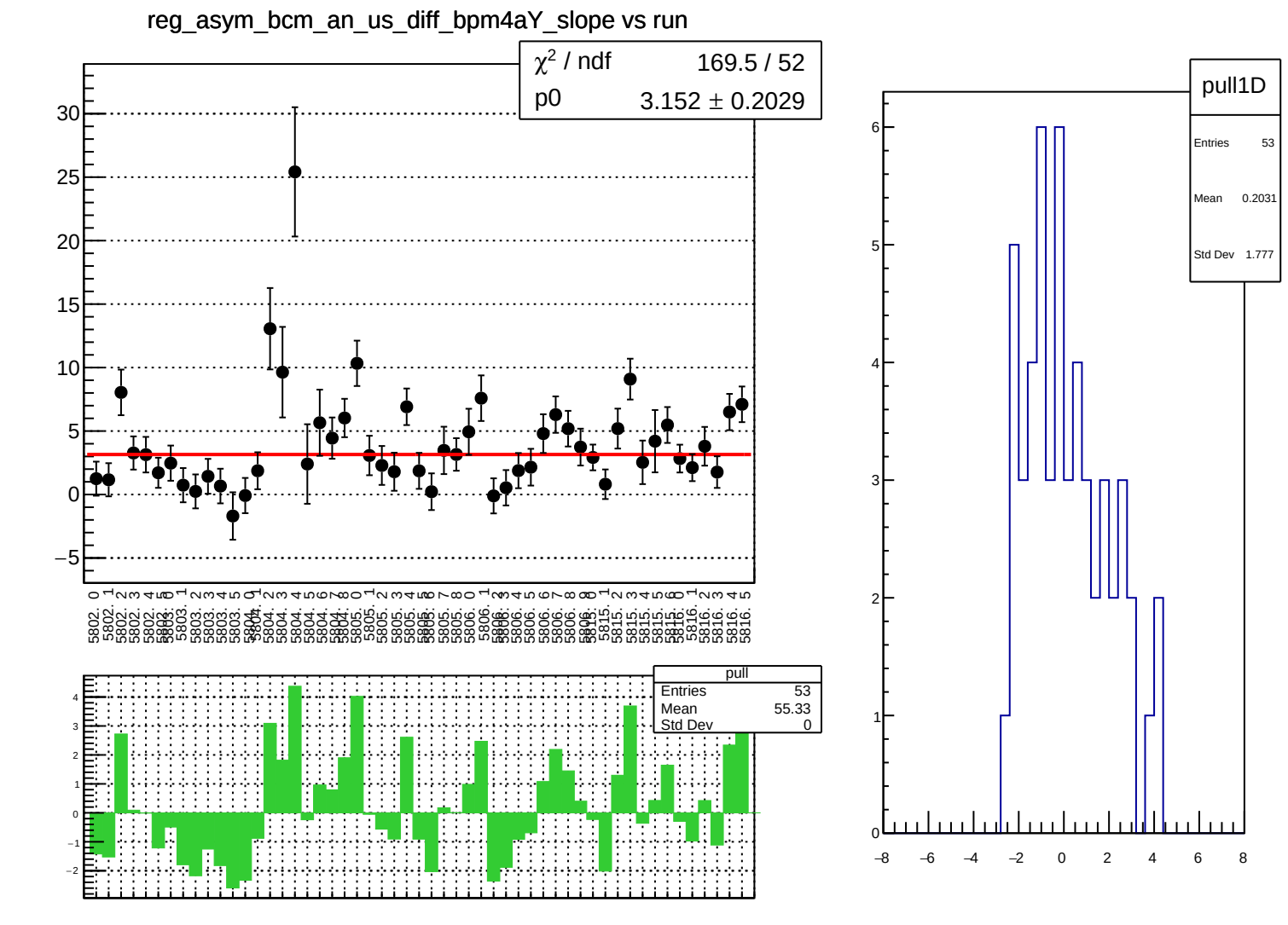

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 172.6 / 52
p0 −4.026 ± 0.2192
pull
Entries 53
Mean 55.36
Std Dev 0
pull1D
Entries 53
Mean −0.2074
Std Dev 1.792

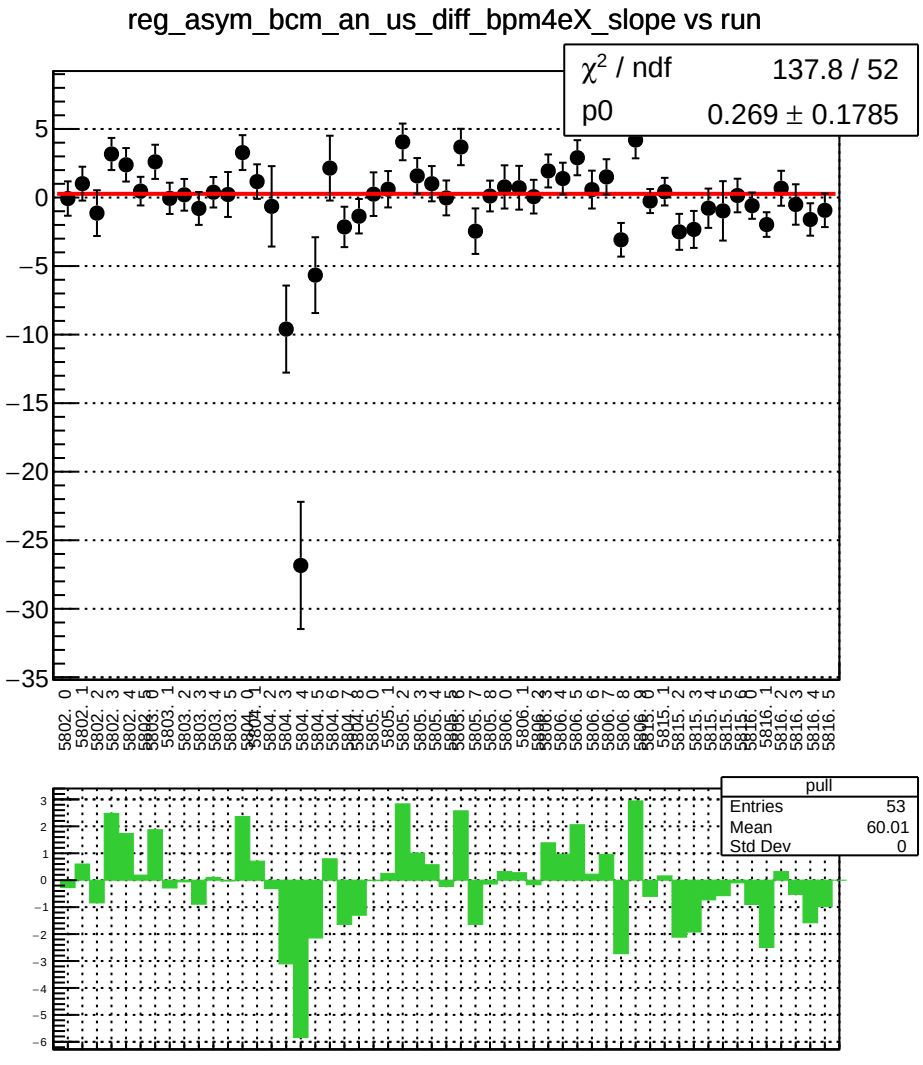

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 164.6 / 52
p0 0.3989 ± 0.01379
pull
Entries 53
Mean 26.61
Std Dev 0
pull1D
Entries 53
Mean 0.3126
Std Dev 1.734

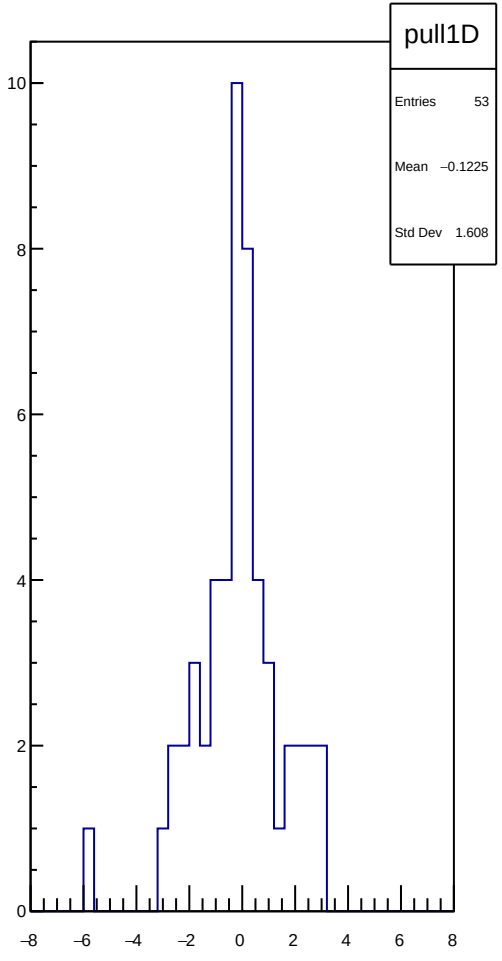
reg_asym_bcm_an_us_diff_bpm1X_slope vs run

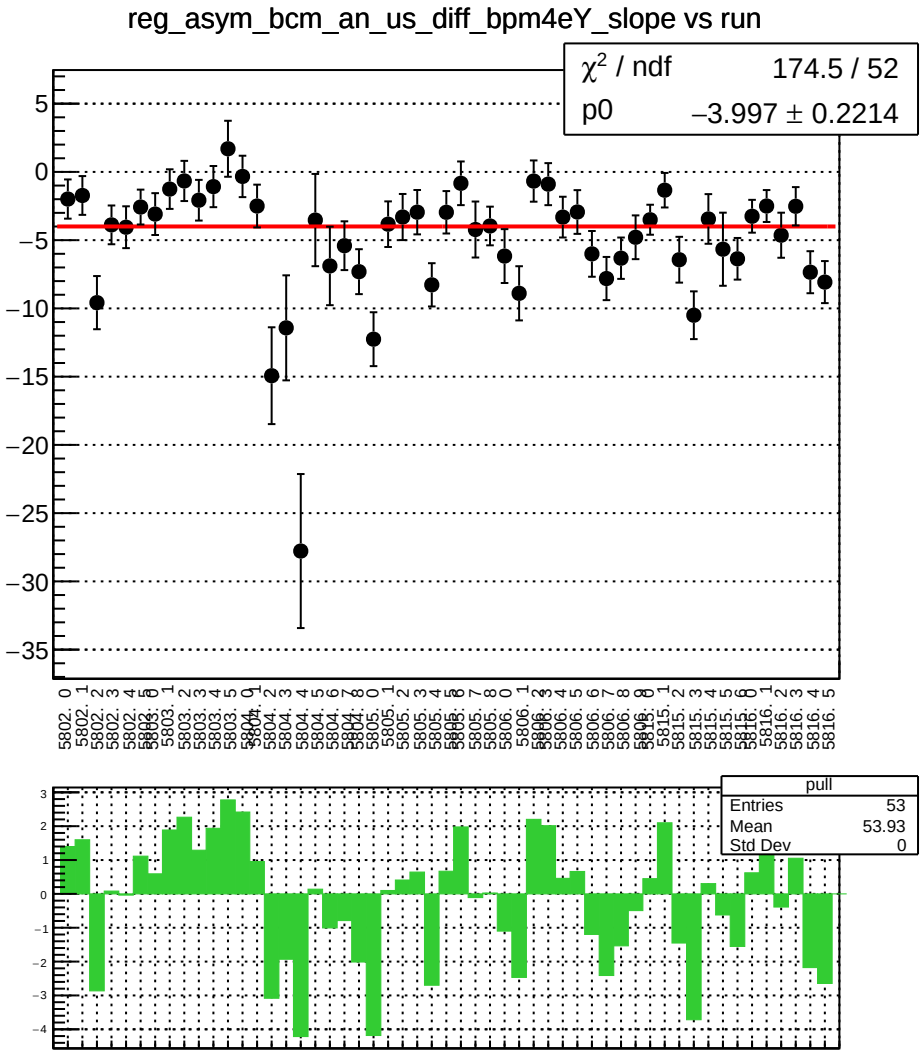


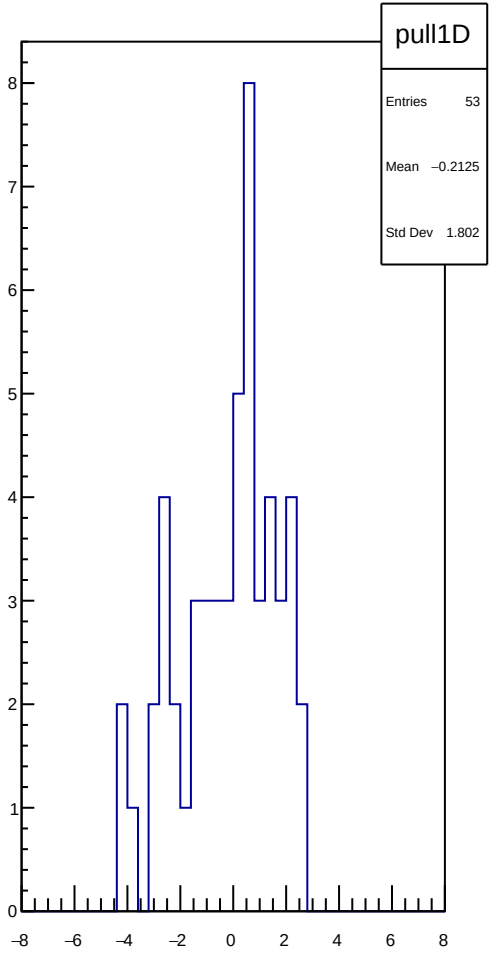


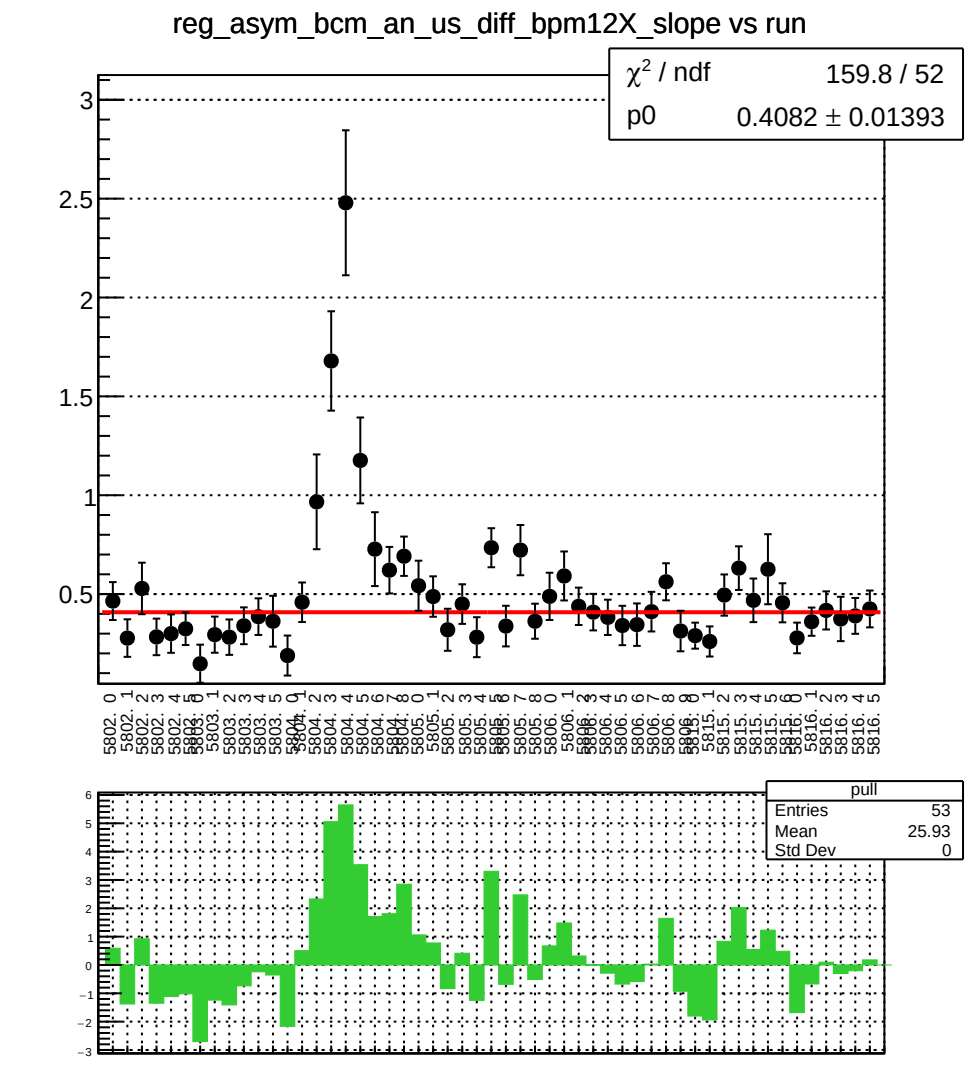

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 169.5 / 52
p0 3.152 ± 0.2029
pull
Entries 53
Mean 55.33
Std Dev 0
pull1D
Entries 53
Mean 0.2031
Std Dev 1.777

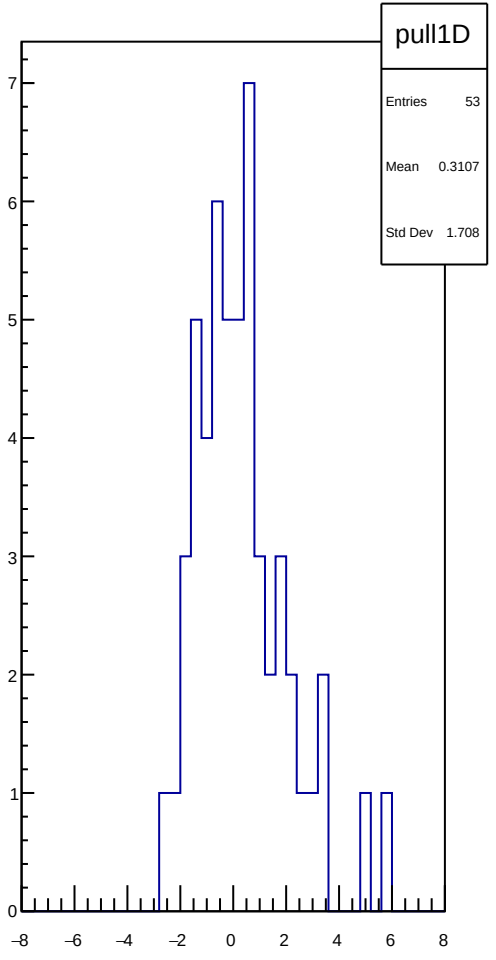

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 137.8 / 52
p0 0.269 ± 0.1785
pull
Entries 53
Mean 60.01
Std Dev 0

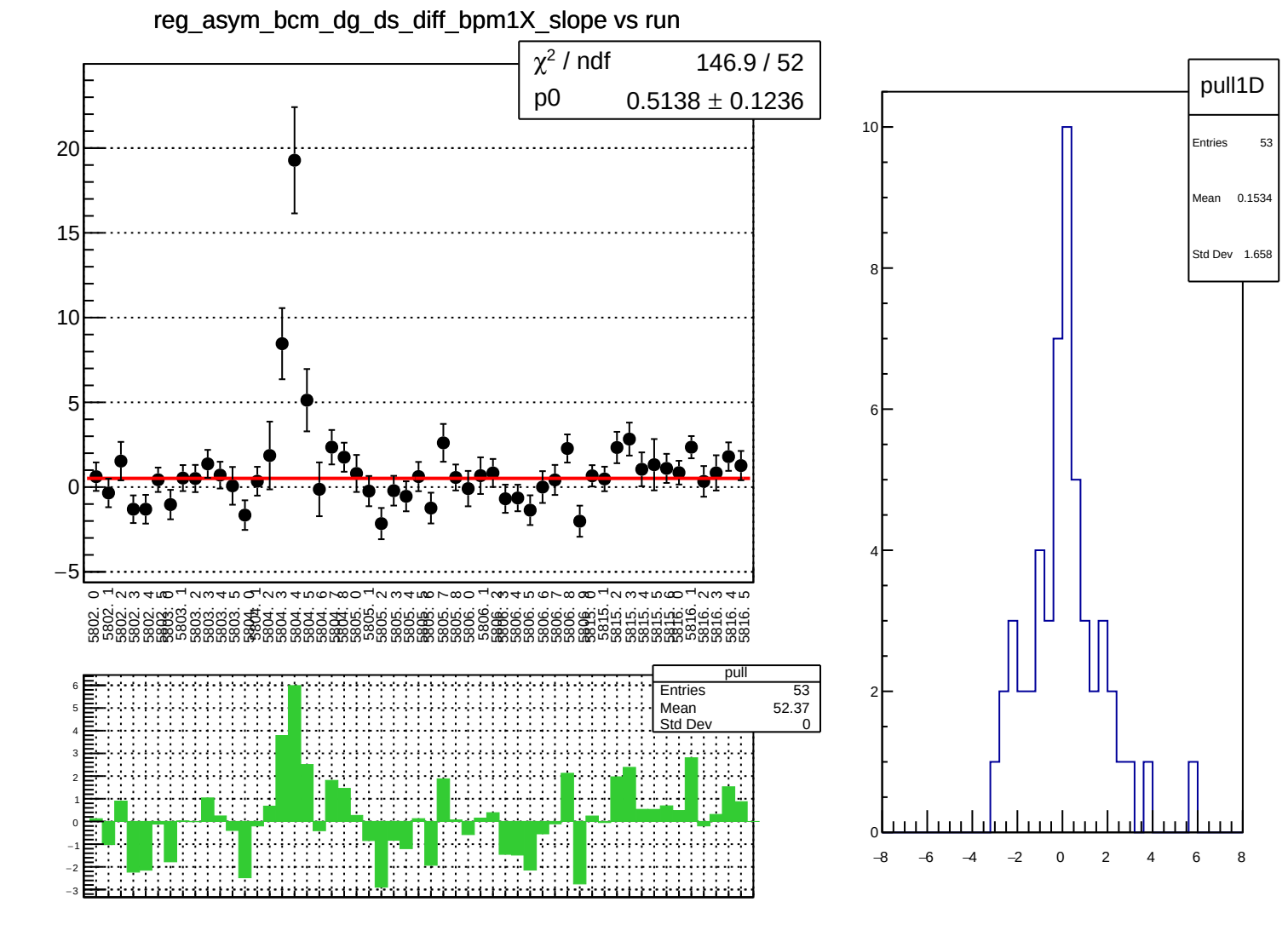

pull1D
Entries 53
Mean −0.1225
Std Dev 1.608

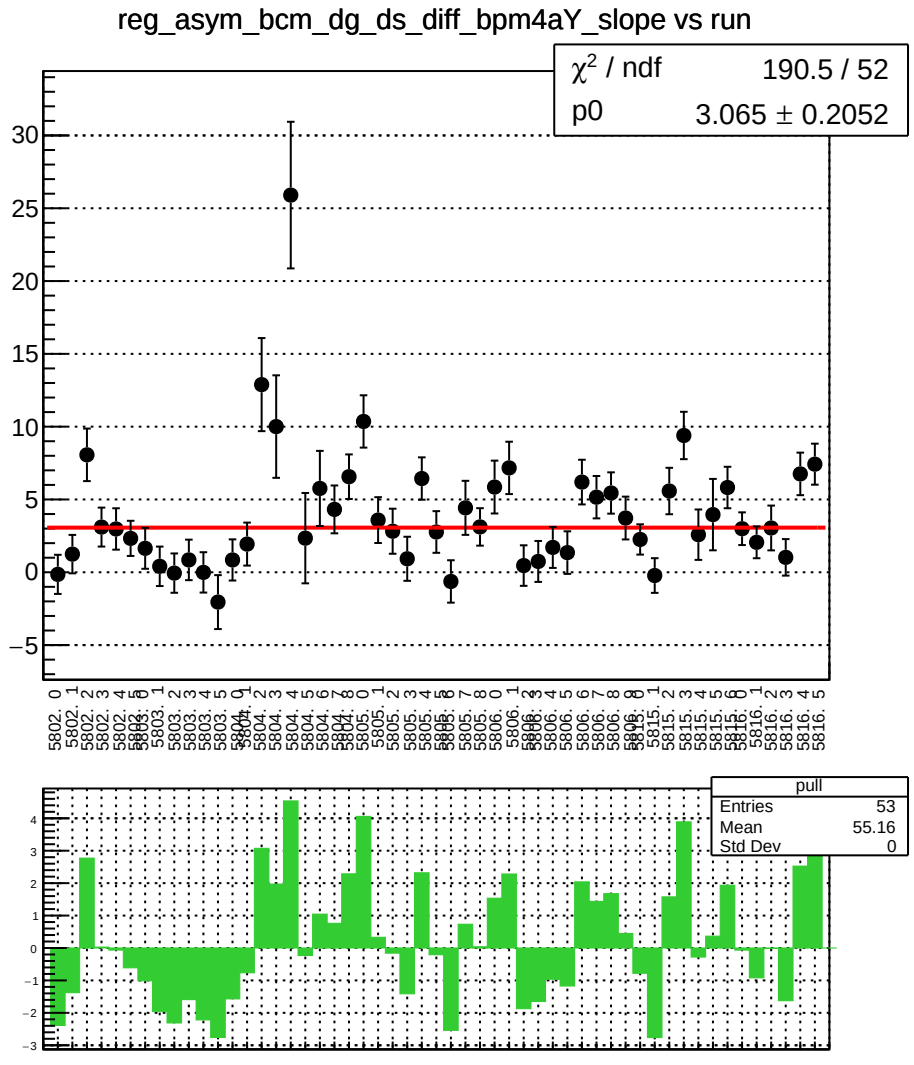

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 174.5 / 52
p0 −3.997 ± 0.2214
pull
Entries 53
Mean 53.93
Std Dev 0

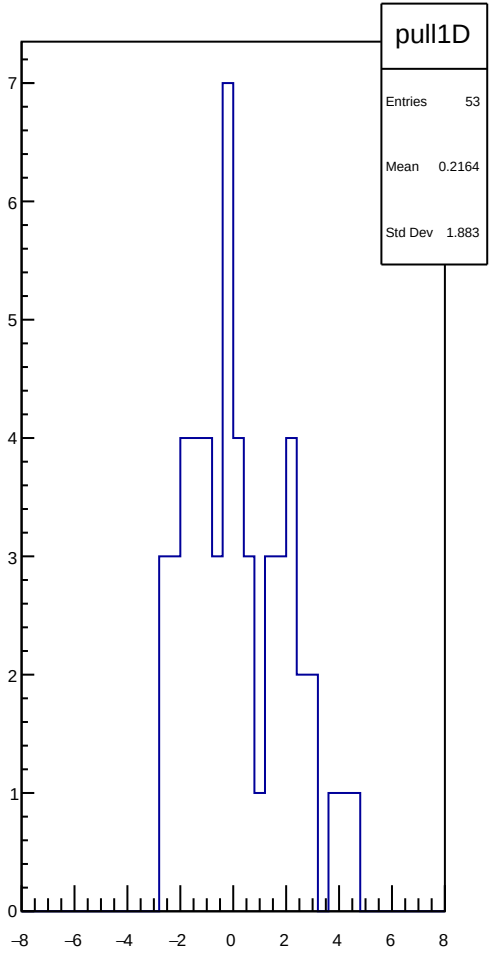

pull1D
Entries 53
Mean −0.2125
Std Dev 1.802

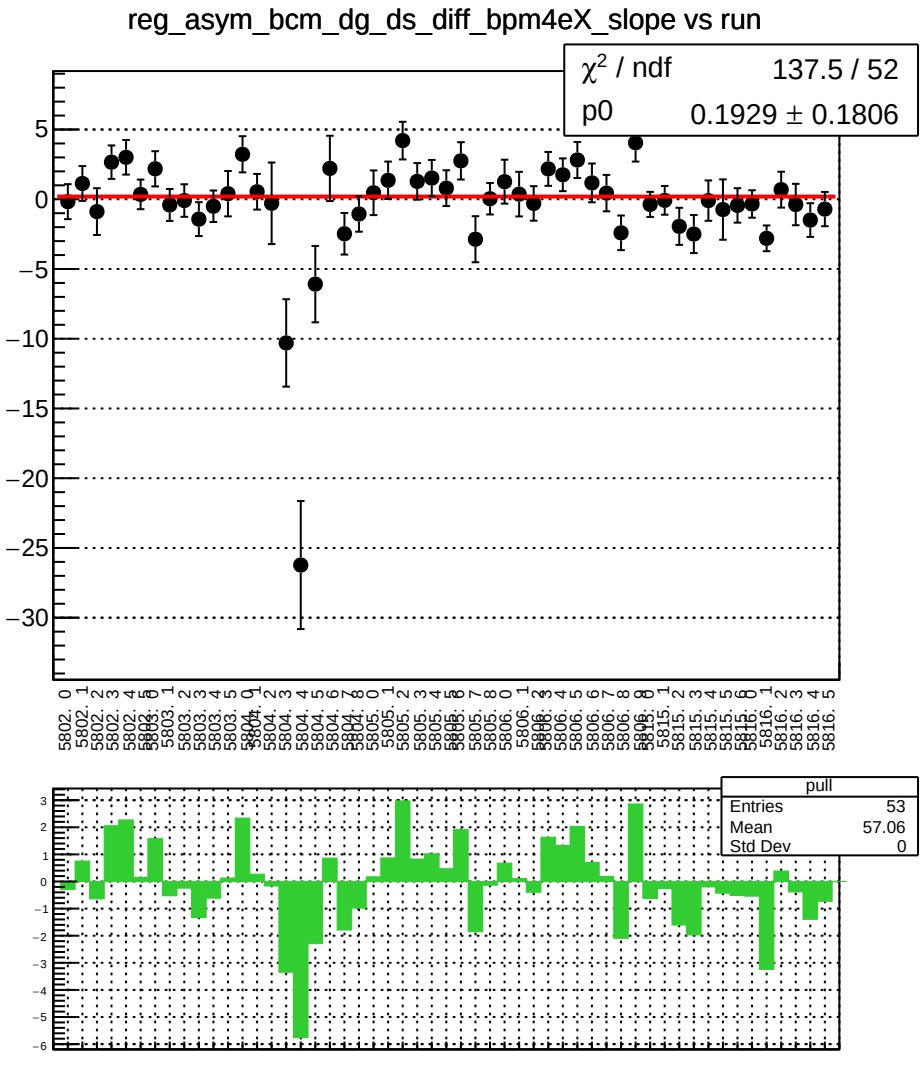

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 159.8 / 52
p0 0.4082 ± 0.01393
pull
Entries 53
Mean 25.93
Std Dev 0

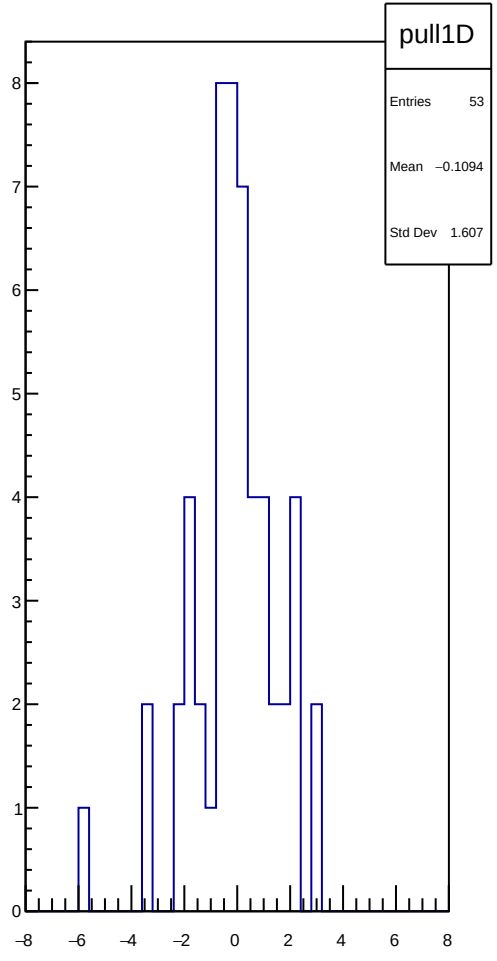

pull1D
Entries 53
Mean 0.3107
Std Dev 1.708

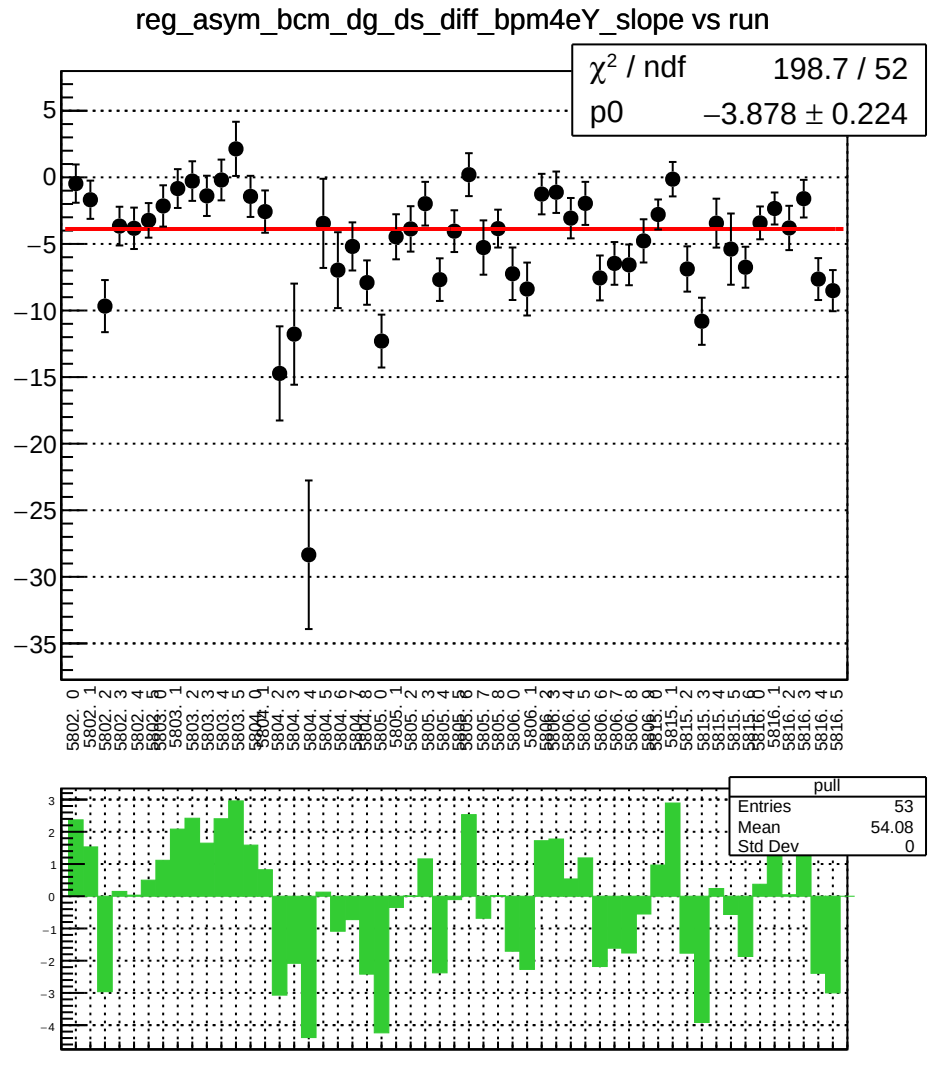

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 146.9 / 52
p0 0.5138 ± 0.1236
pull
Entries 53
Mean 52.37
Std Dev 0
pull1D
Entries 53
Mean 0.1534
Std Dev 1.658

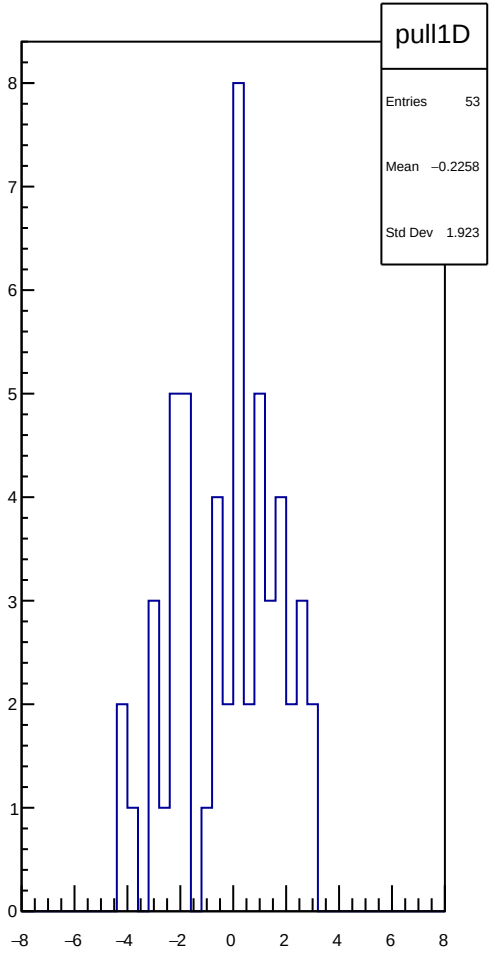

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 190.5 / 52
p0 3.065 ± 0.2052
pull
Entries 53
Mean 55.16
Std Dev 0

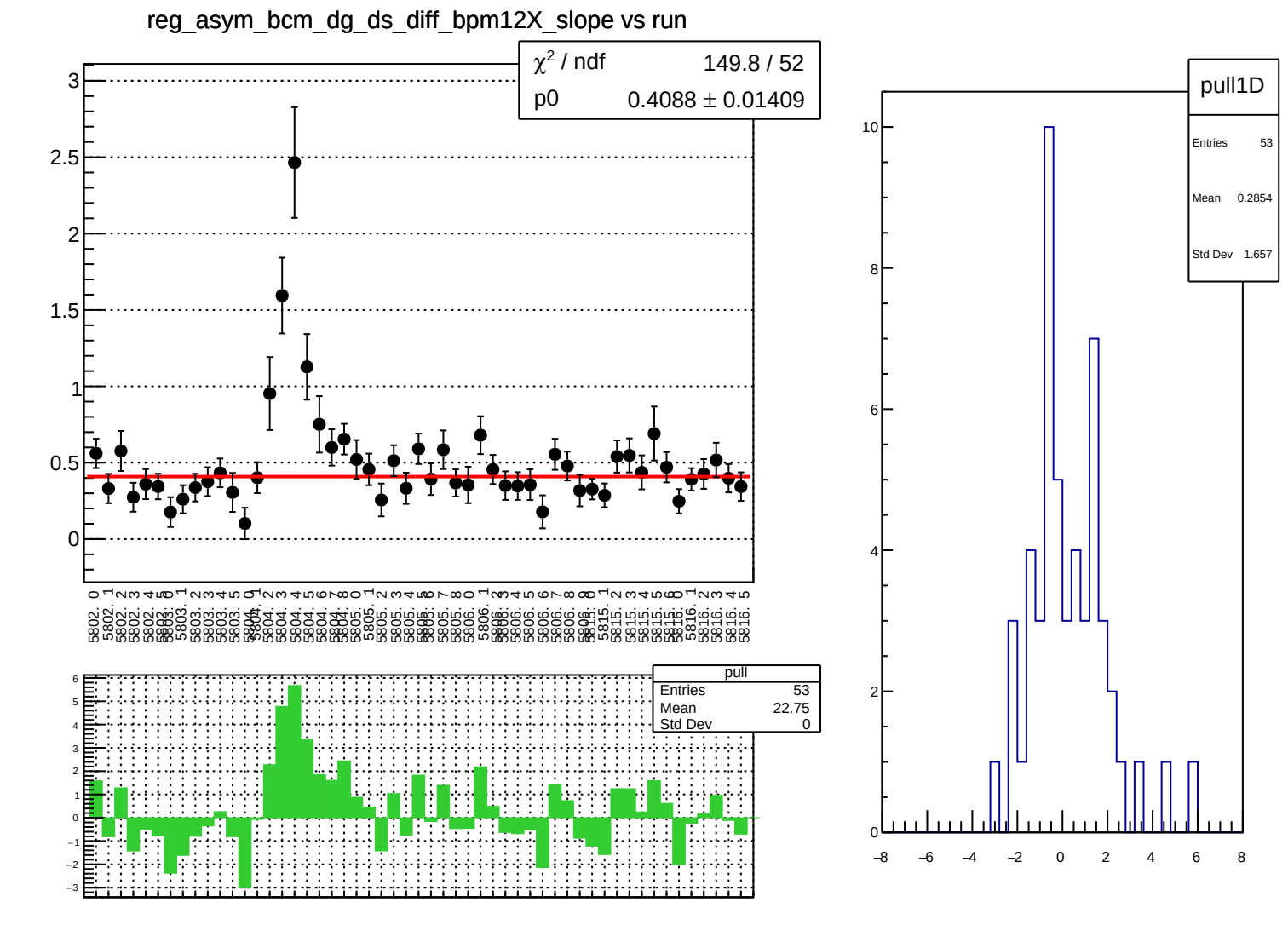

pull1D
Entries 53
Mean 0.2164
Std Dev 1.883

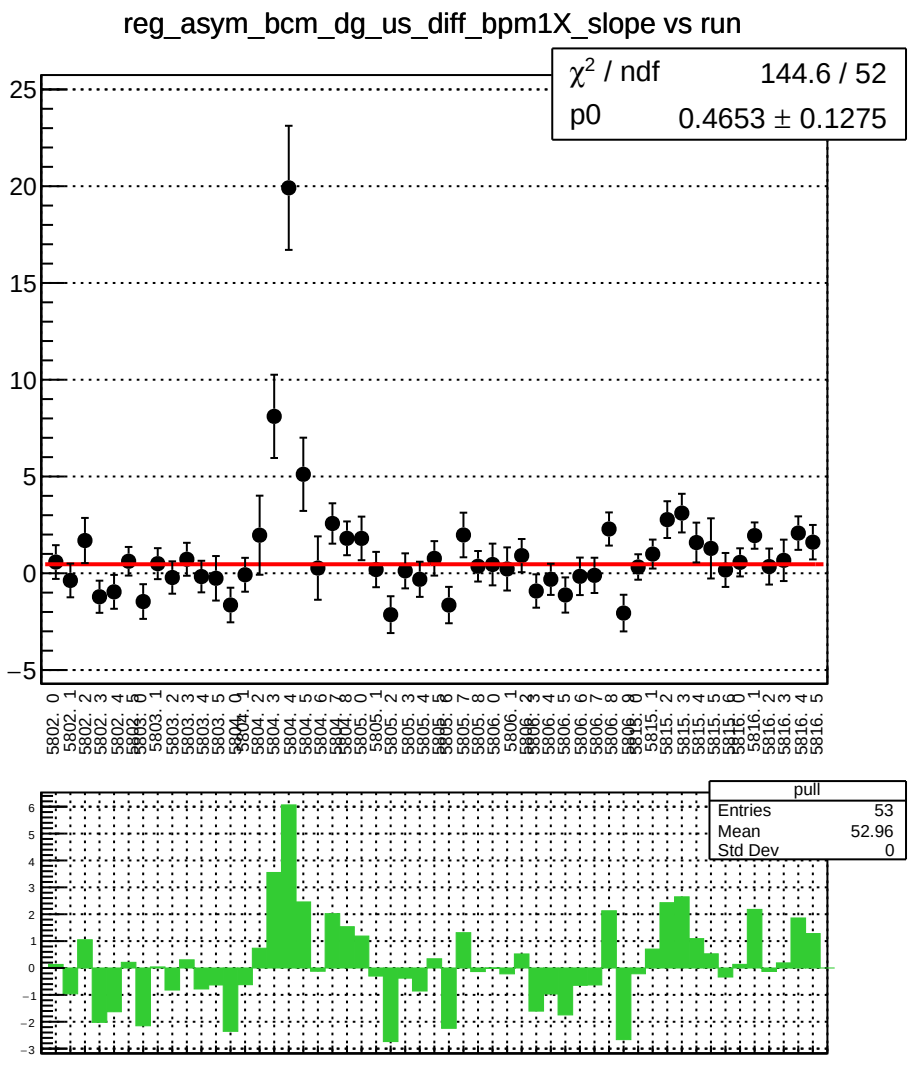

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 137.5 / 52
p0 0.1929 ± 0.1806
pull
Entries 53
Mean 57.06
Std Dev 0

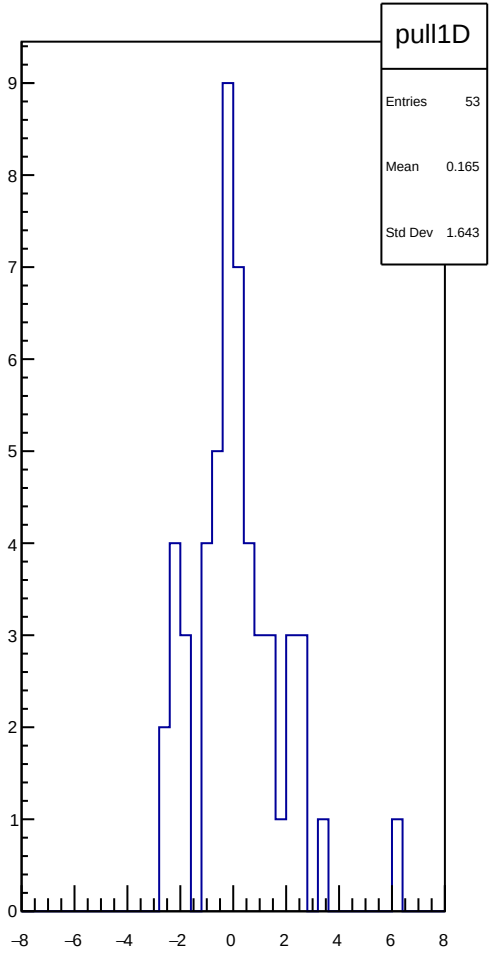

pull1D
Entries 53
Mean −0.1094
Std Dev 1.607

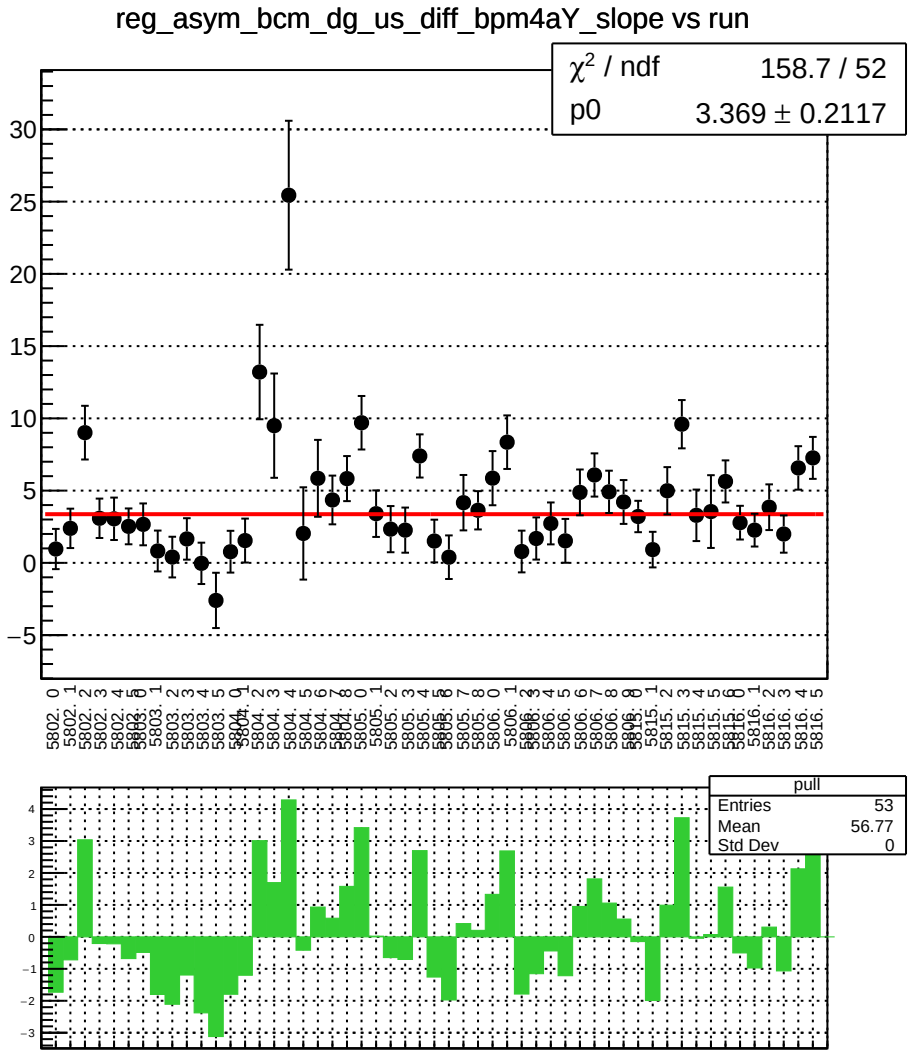

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 198.7 / 52
p0 −3.878 ± 0.224
pull
Entries 53
Mean 54.08
Std Dev 0

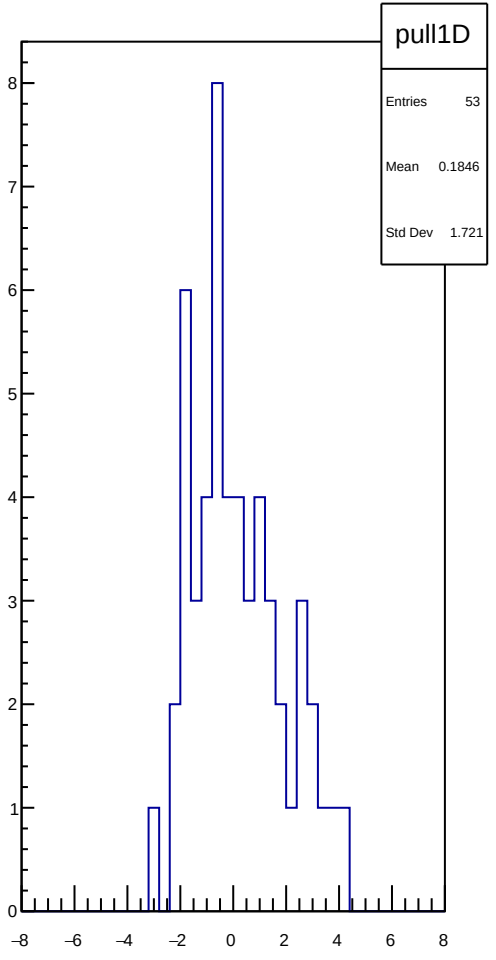

pull1D
Entries 53
Mean −0.2258
Std Dev 1.923

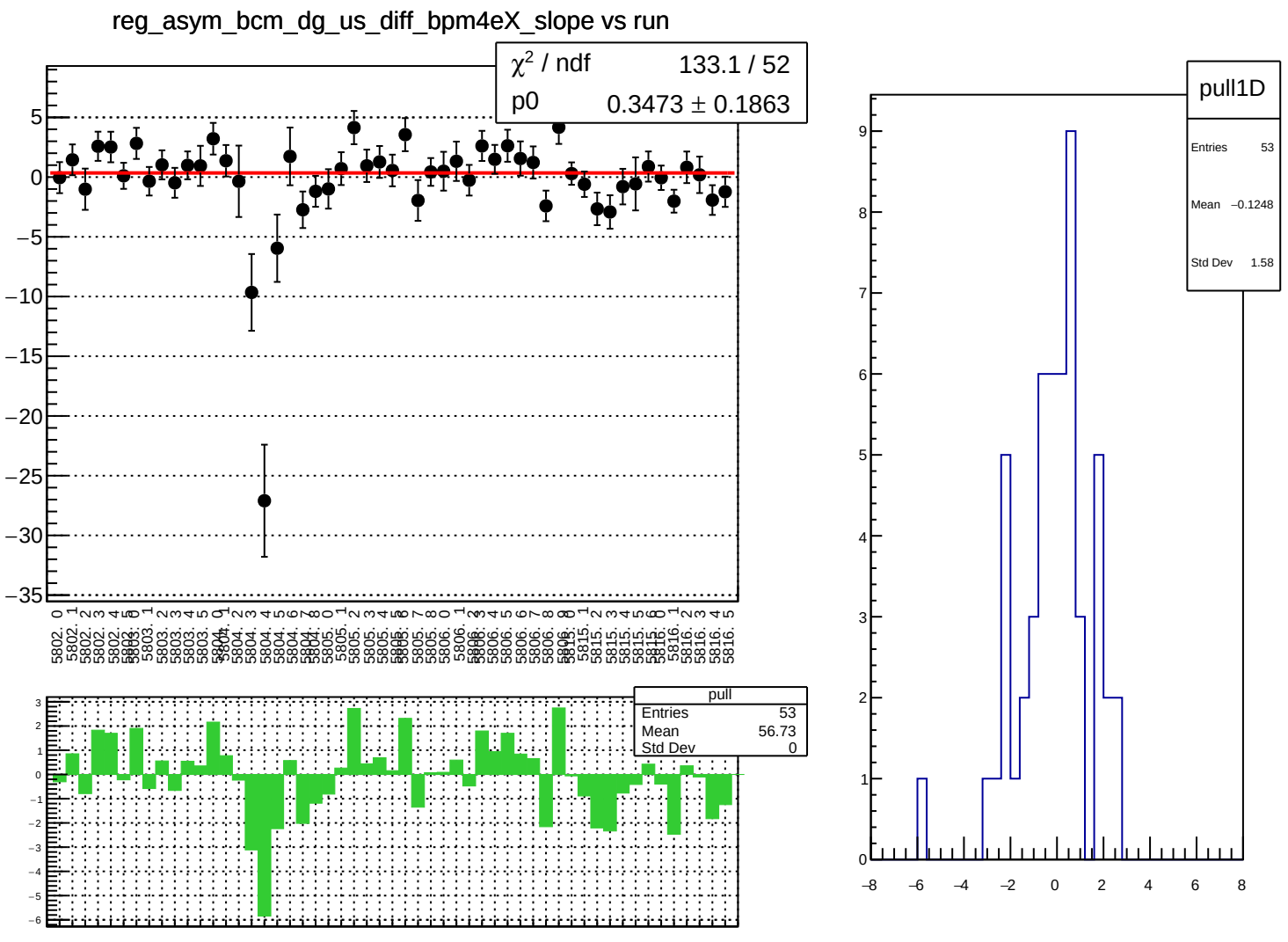

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 149.8 / 52
p0 0.4088 ± 0.01409
pull
Entries 53
Mean 22.75
Std Dev 0
pull1D
Entries 53
Mean 0.2854
Std Dev 1.657

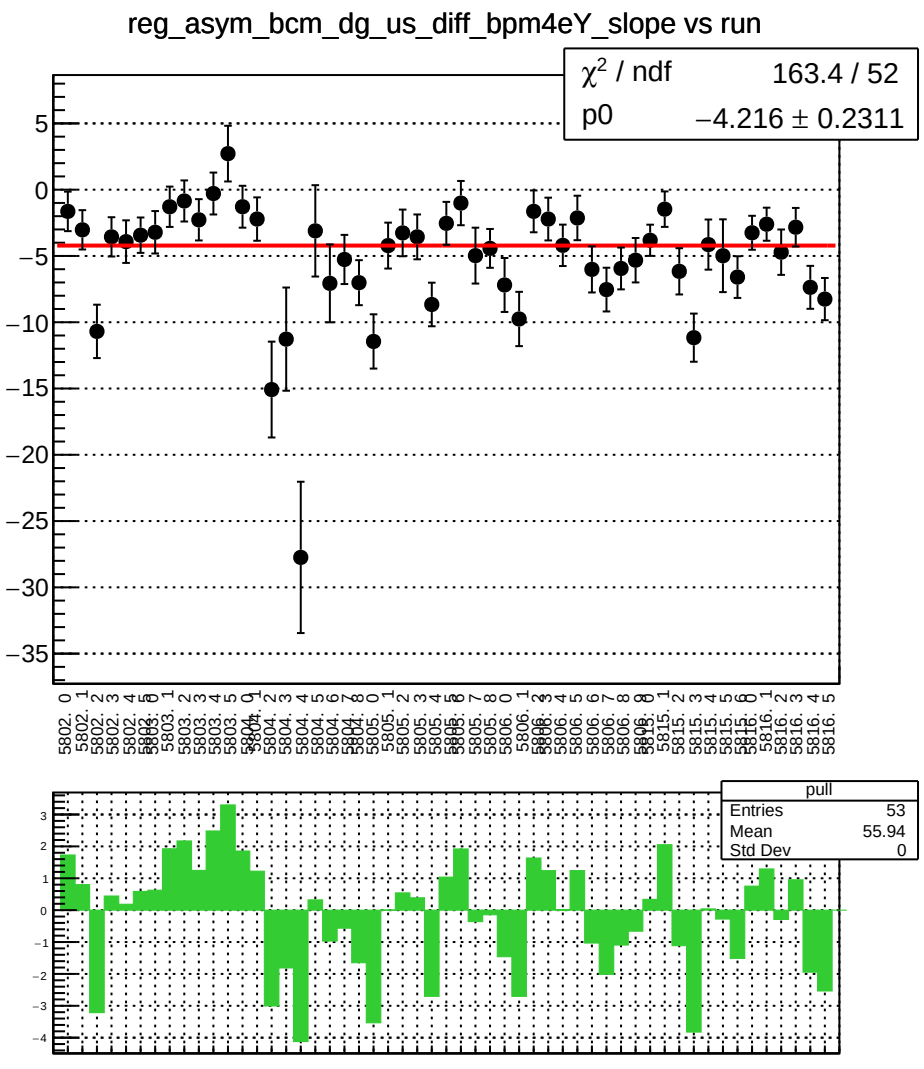

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 144.6 / 52
p0 0.4653 ± 0.1275
pull
Entries 53
Mean 52.96
Std Dev 0

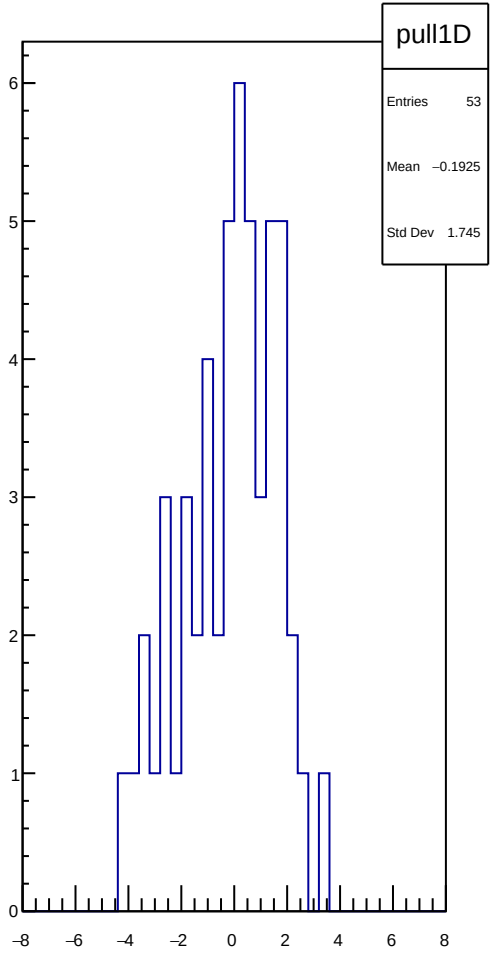

pull1D
Entries 53
Mean 0.165
Std Dev 1.643

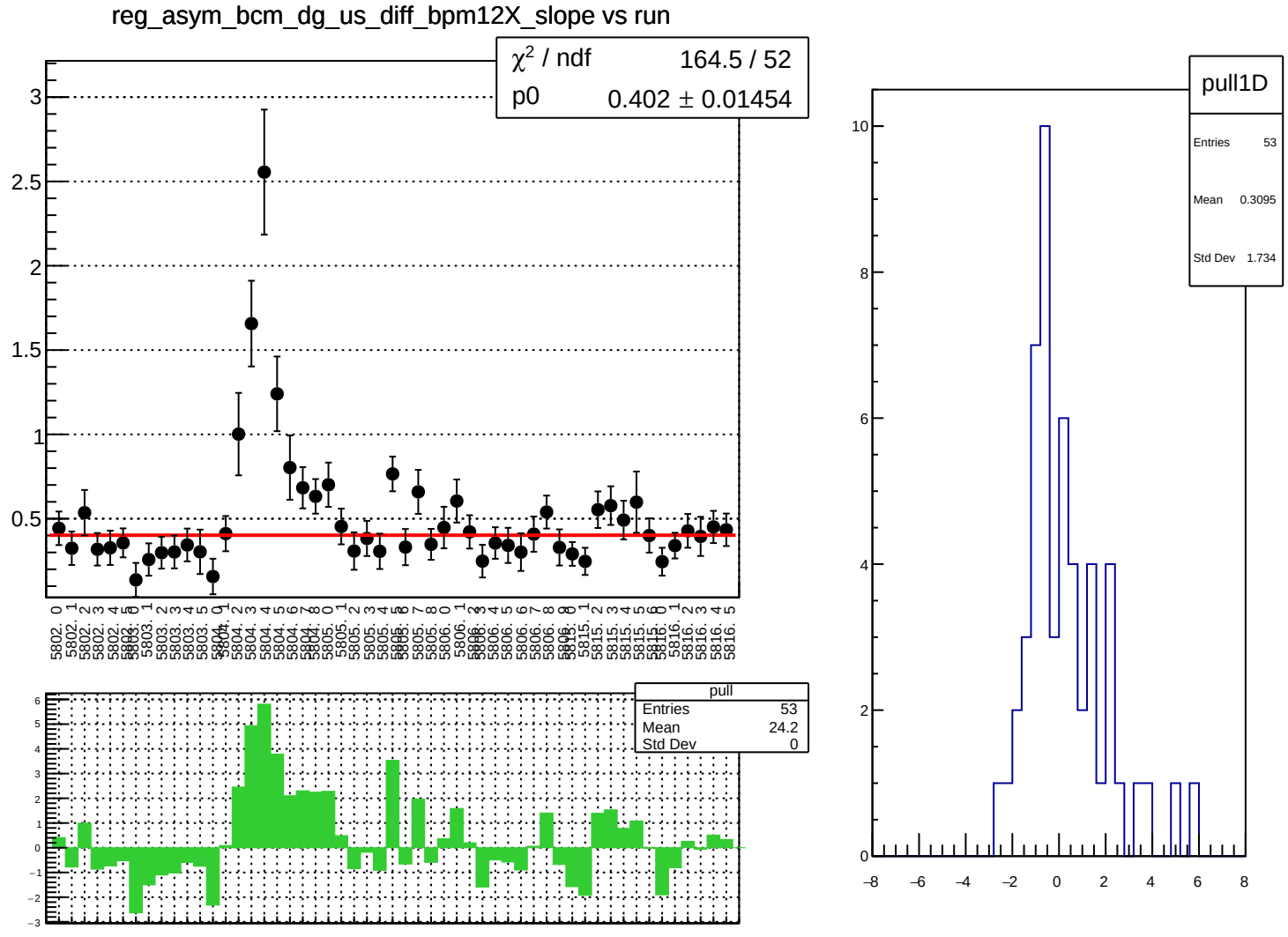

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 158.7 / 52
p0 3.369 ± 0.2117
pull
Entries 53
Mean 56.77
Std Dev 0

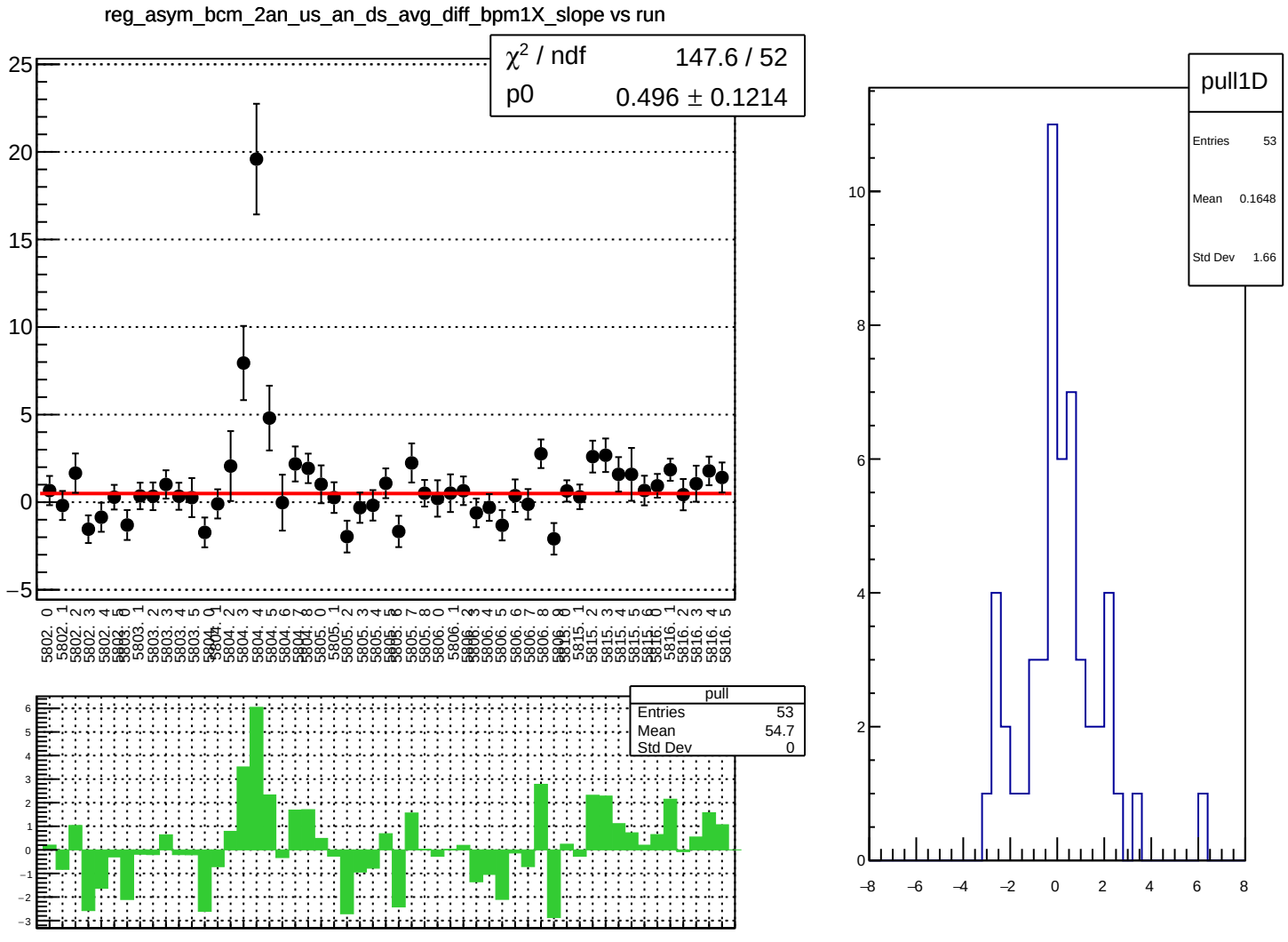

pull1D
Entries 53
Mean 0.1846
Std Dev 1.721

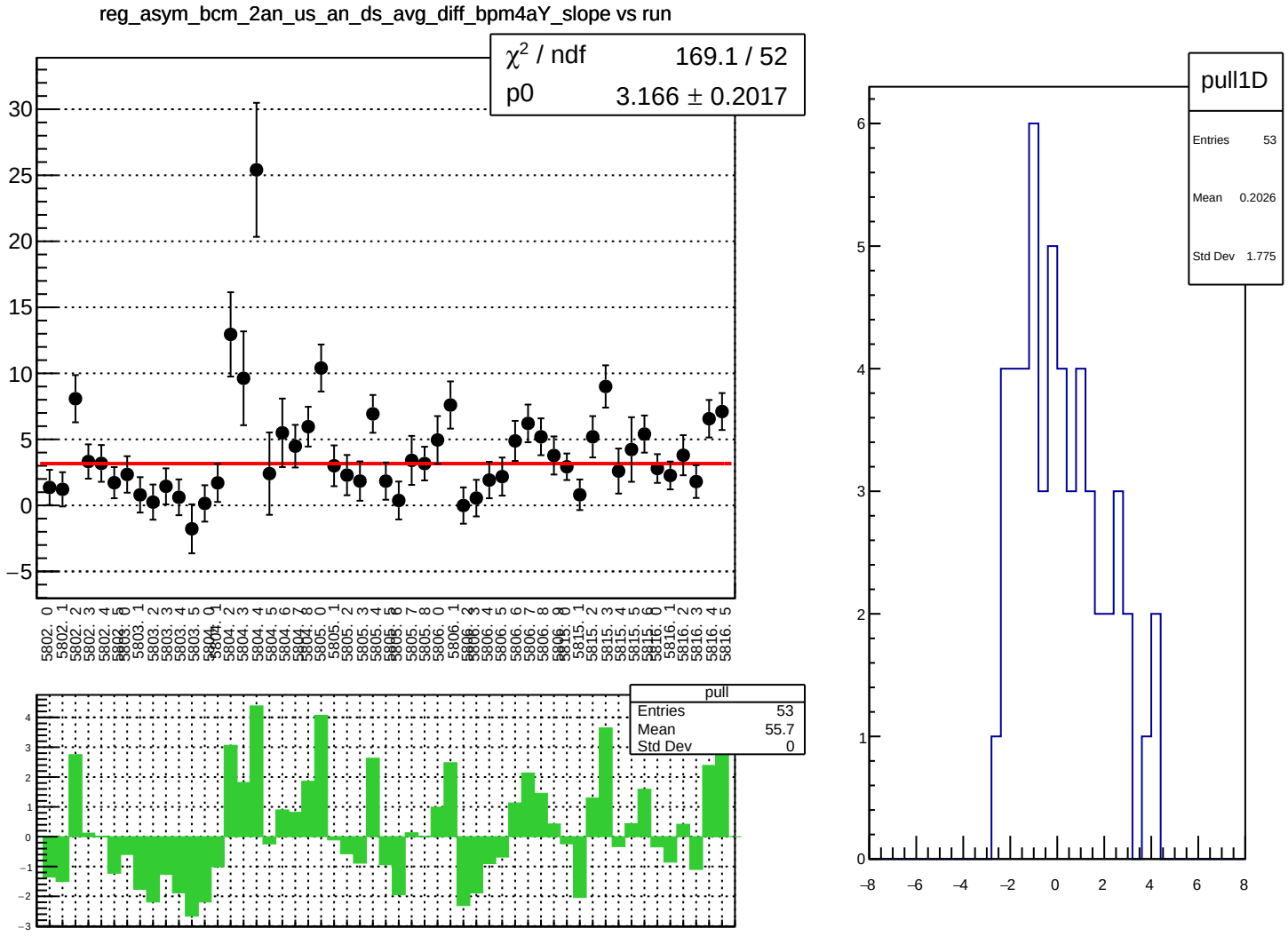

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 133.1 / 52
p0 0.3473 ± 0.1863
pull
Entries 53
Mean 56.73
Std Dev 0
pull1D
Entries 53
Mean −0.1248
Std Dev 1.58

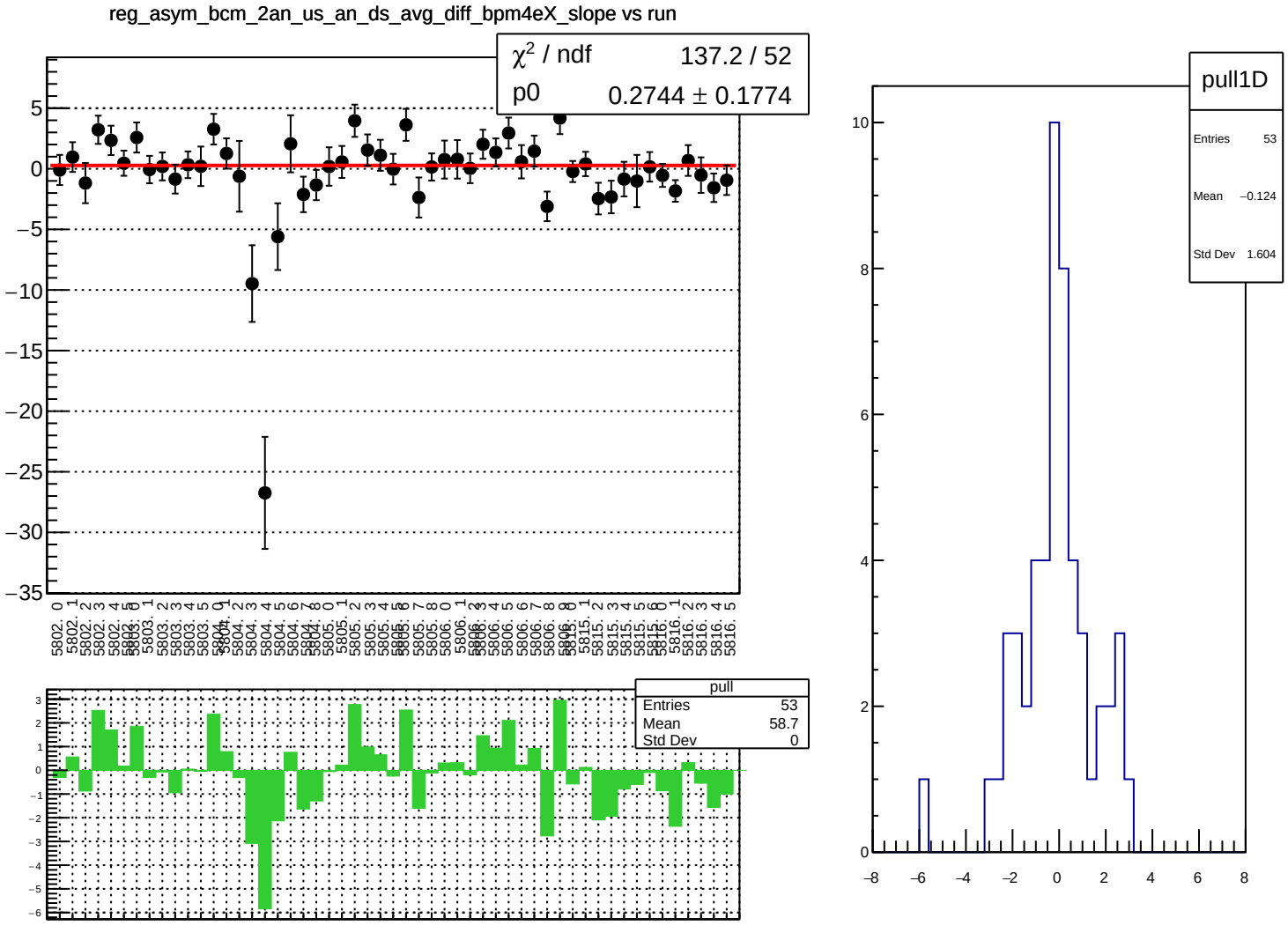

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 163.4 / 52
p0 −4.216 ± 0.2311
pull
Entries 53
Mean 55.94
Std Dev 0

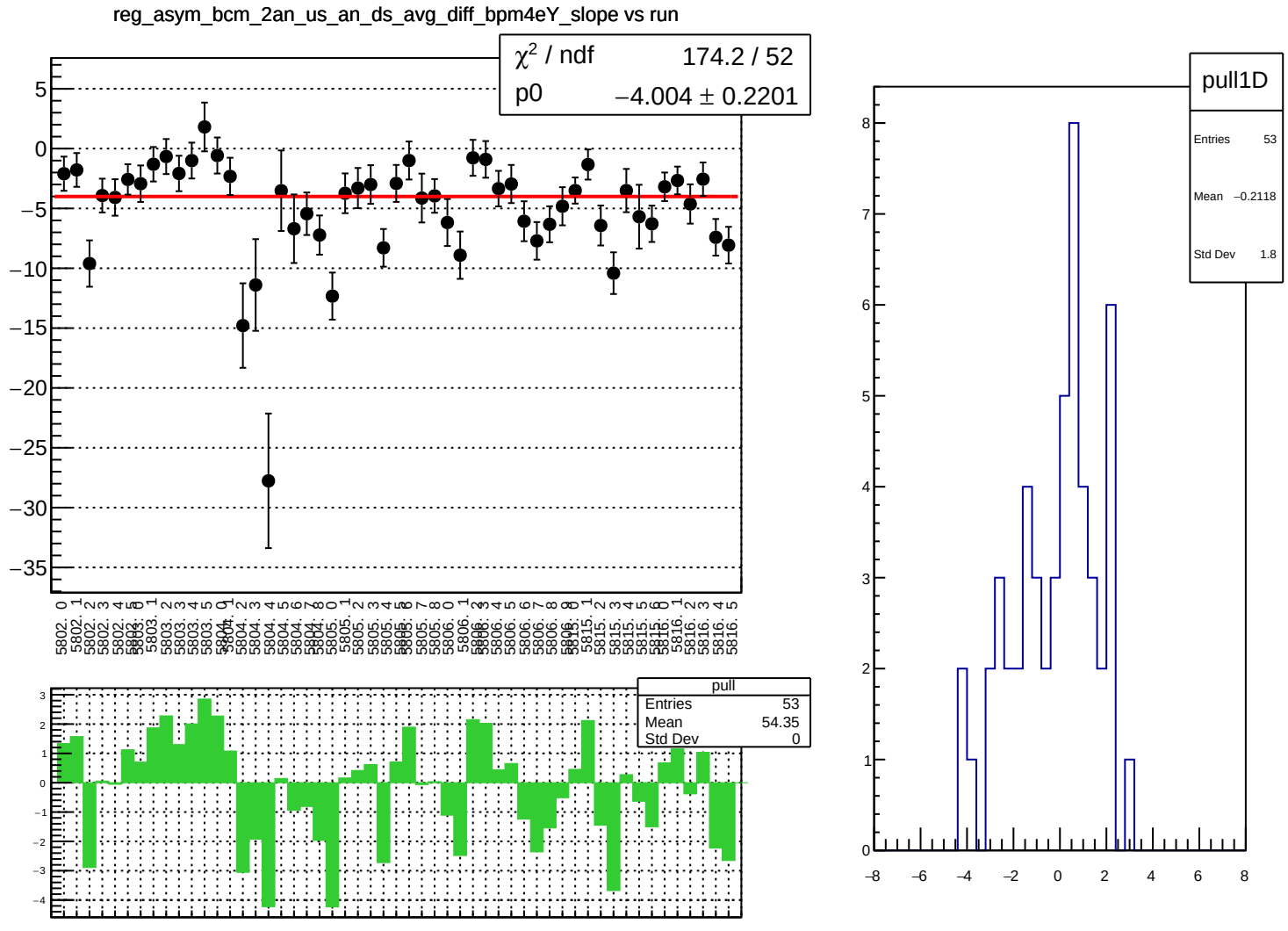

pull1D
Entries 53
Mean −0.1925
Std Dev 1.745

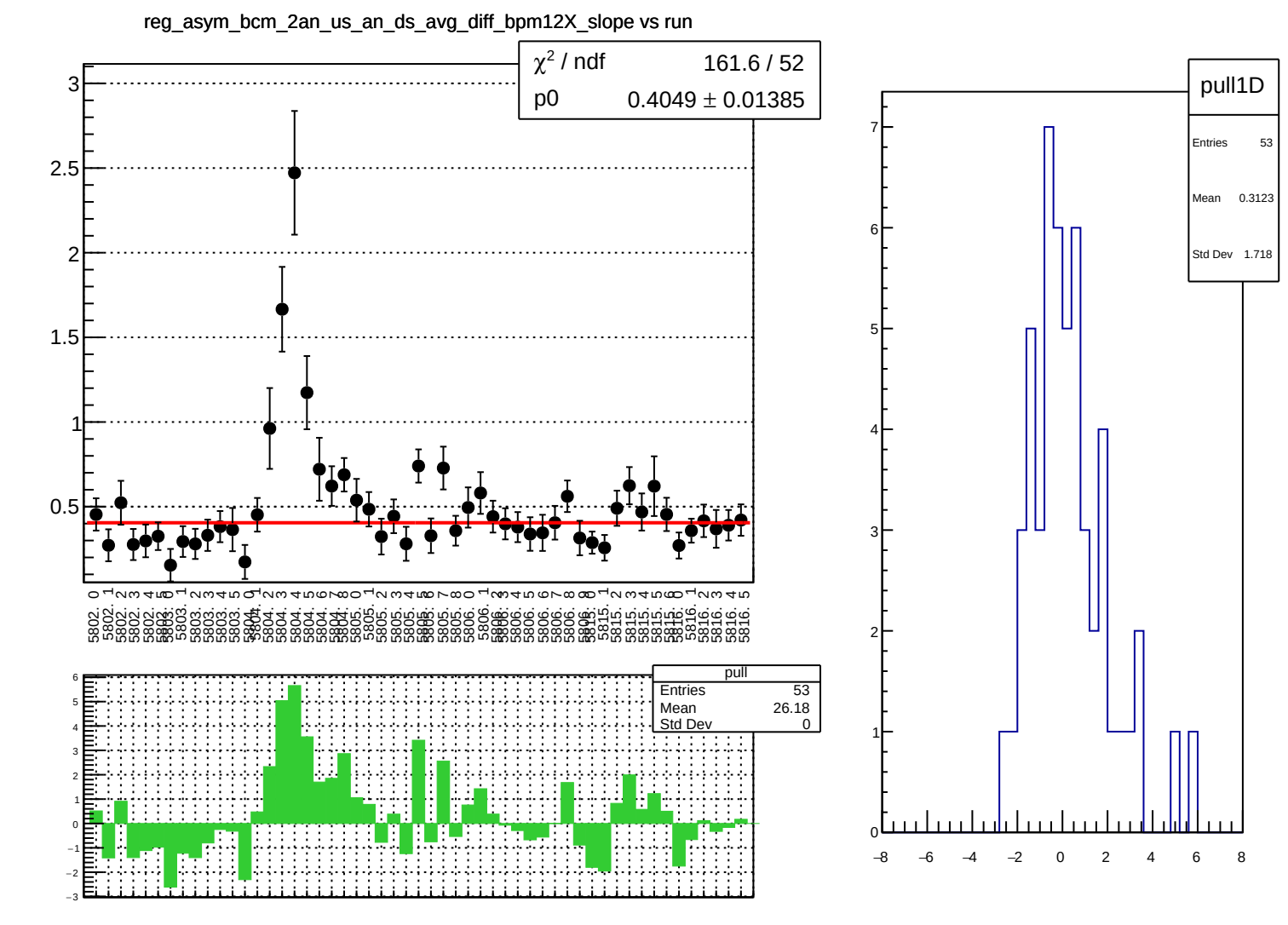

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 164.5 / 52
p0 0.402 ± 0.01454
pull
Entries 53
Mean 24.2
Std Dev 0
pull1D
Entries 53
Mean 0.3095
Std Dev 1.734

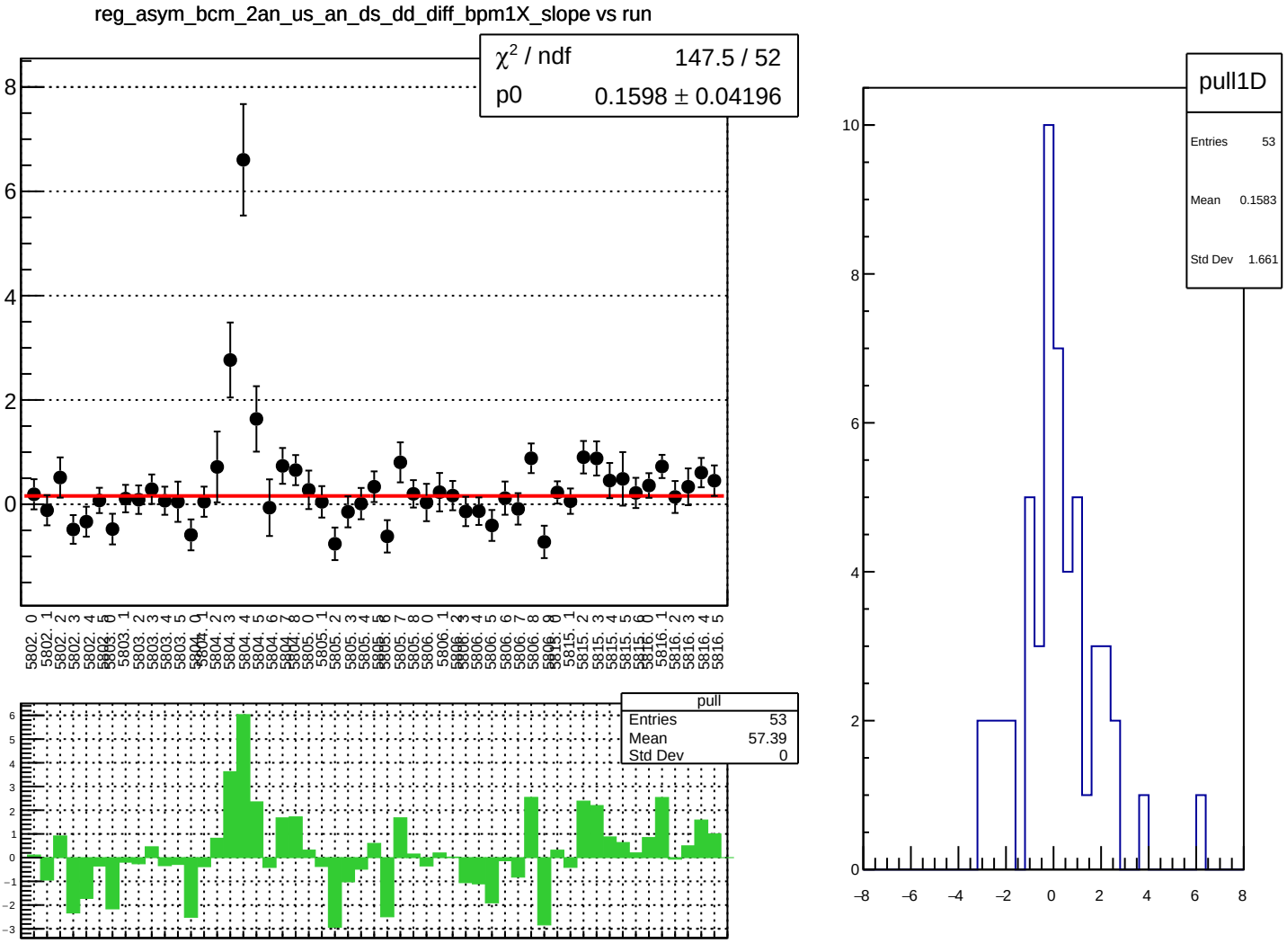

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 147.6 / 52
p0 0.496 ± 0.1214
pull
Entries 53
Mean 54.7
Std Dev 0
pull1D
Entries 53
Mean 0.1648
Std Dev 1.66

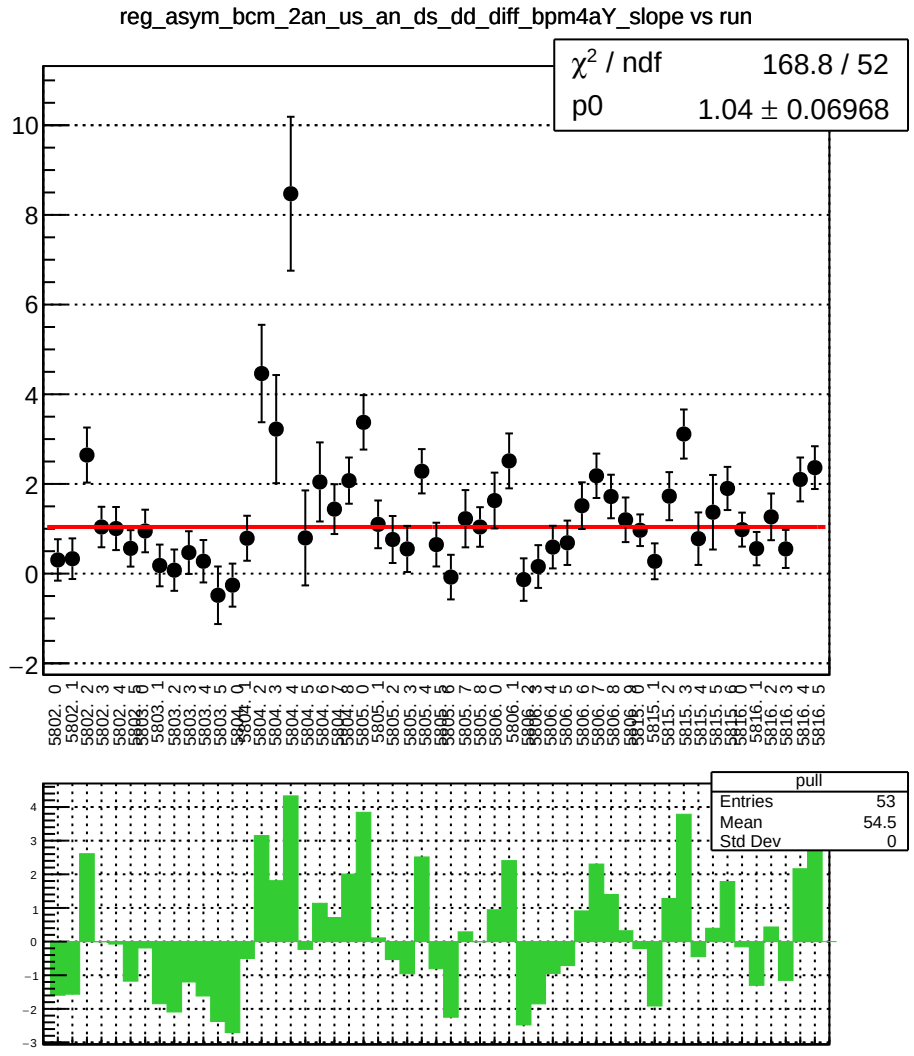

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 169.1 / 52
p0 3.166 ± 0.2017
pull
Entries 53
Mean 55.7
Std Dev 0
pull1D
Entries 53
Mean 0.2026
Std Dev 1.775

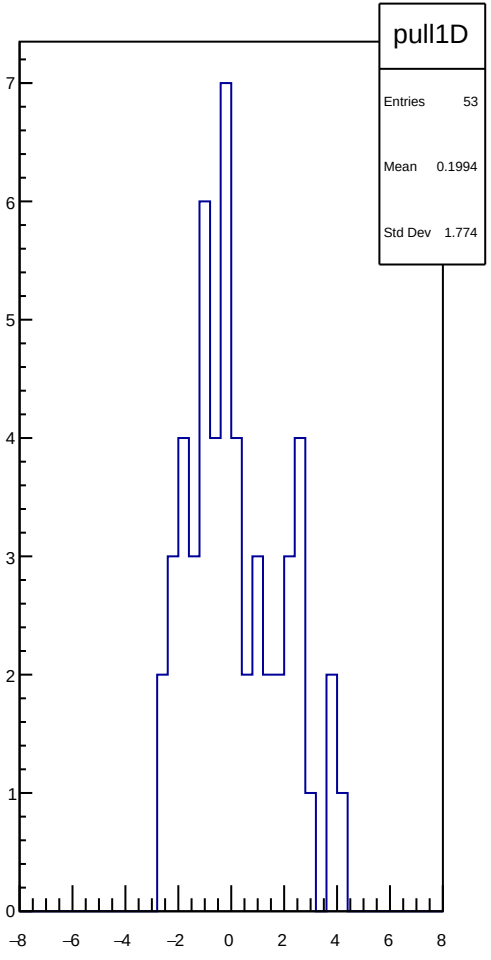

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 137.2 / 52
p0 0.2744 ± 0.1774
pull
Entries 53
Mean 58.7
Std Dev 0
pull1D
Entries 53
Mean −0.124
Std Dev 1.604

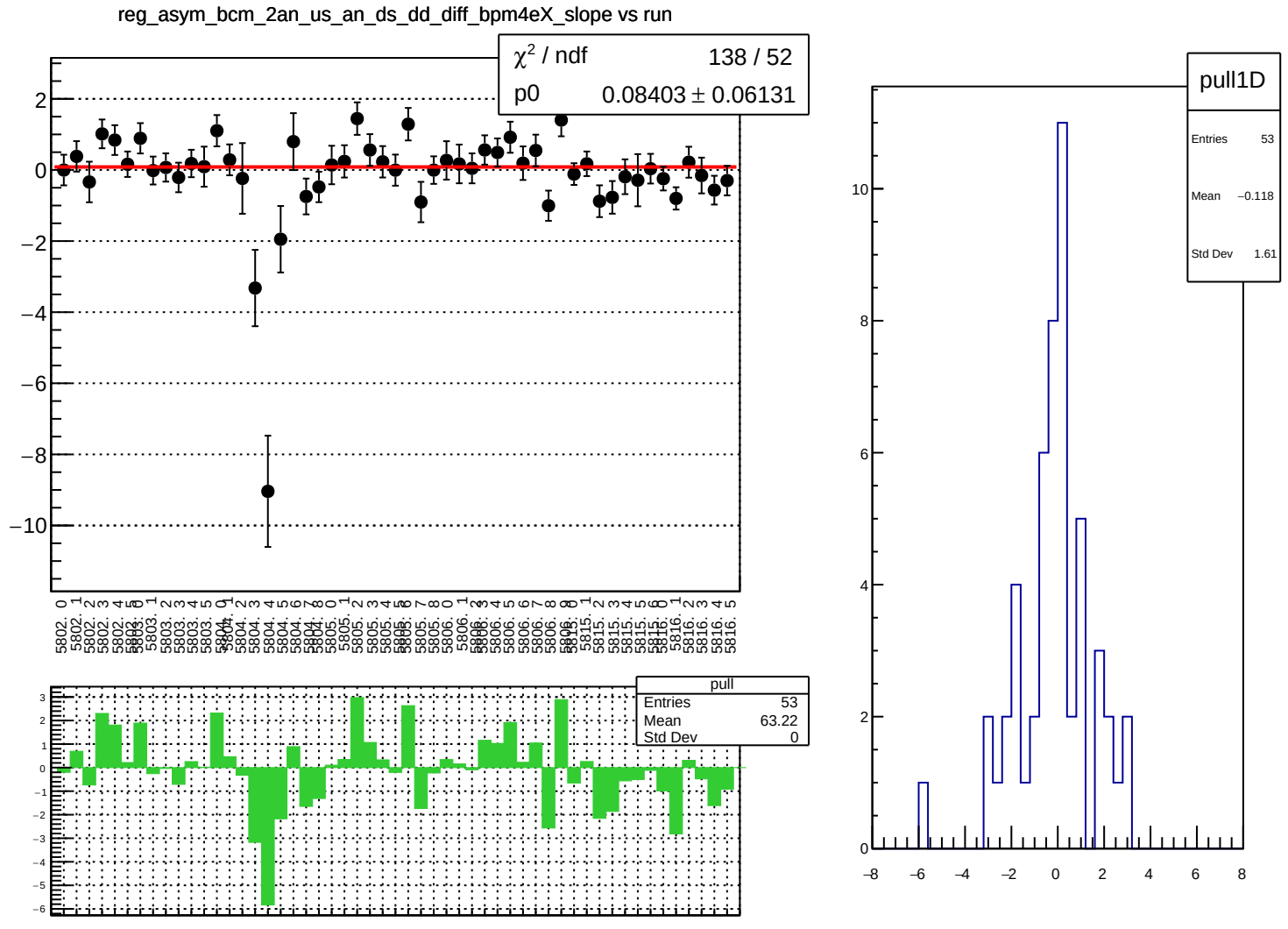

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 174.2 / 52
p0 −4.004 ± 0.2201
pull
Entries 53
Mean 54.35
Std Dev 0
pull1D
Entries 53
Mean −0.2118
Std Dev 1.8

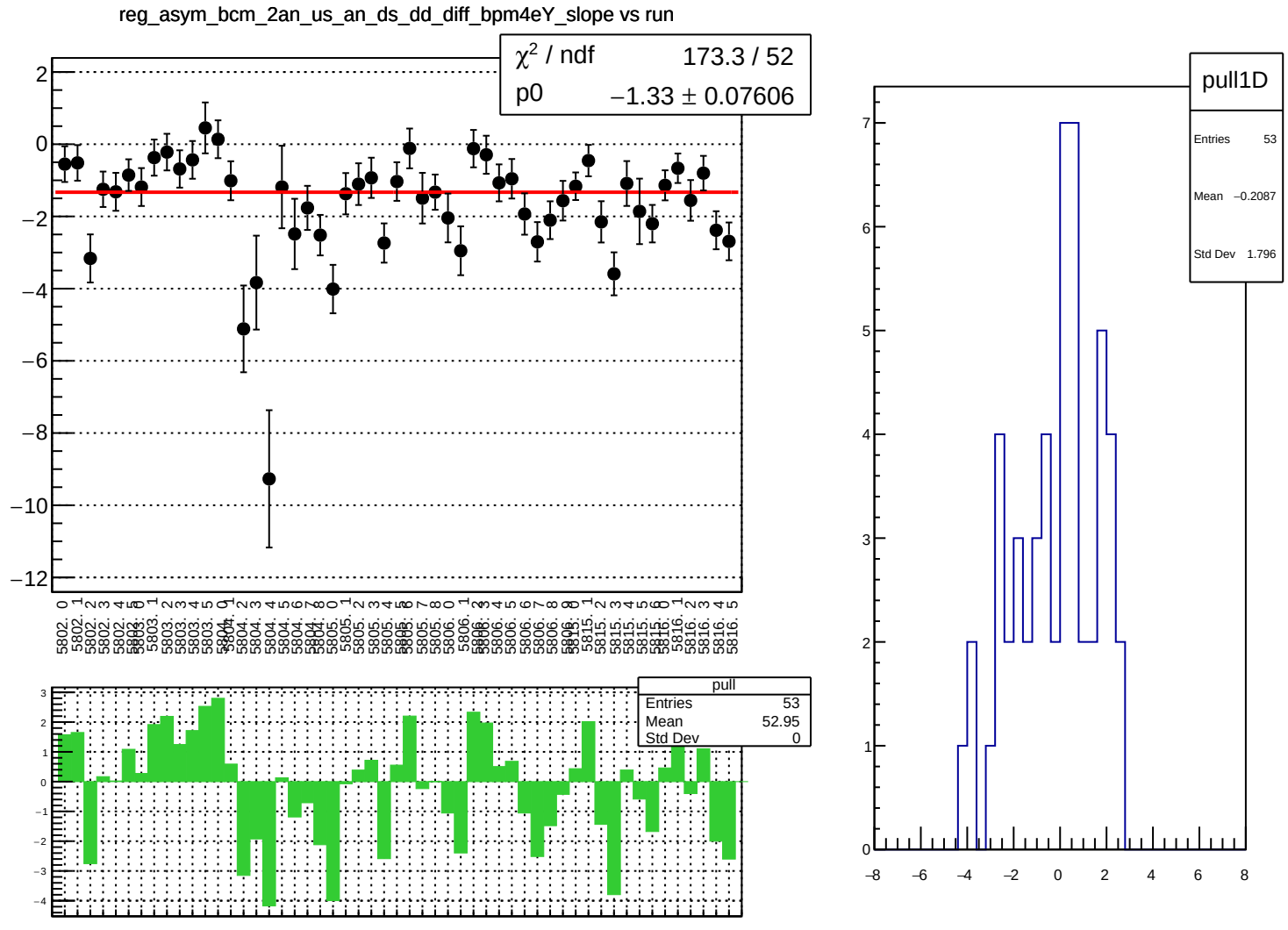

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 161.6 / 52
p0 0.4049 ± 0.01385
pull
Entries 53
Mean 26.18
Std Dev 0
pull1D
Entries 53
Mean 0.3123
Std Dev 1.718

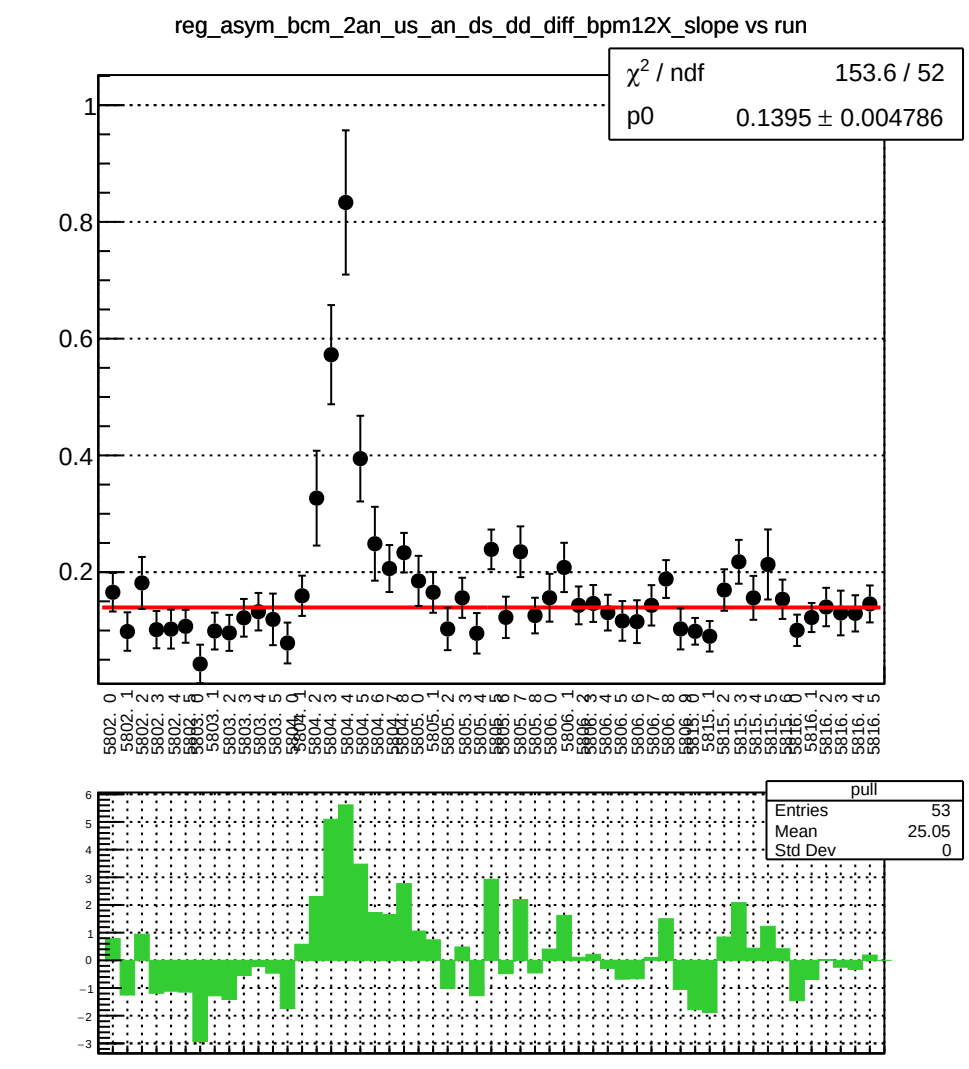

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 147.5 / 52
p0 0.1598 ± 0.04196
pull
Entries 53
Mean 57.39
Std Dev 0
pull1D
Entries 53
Mean 0.1583
Std Dev 1.661

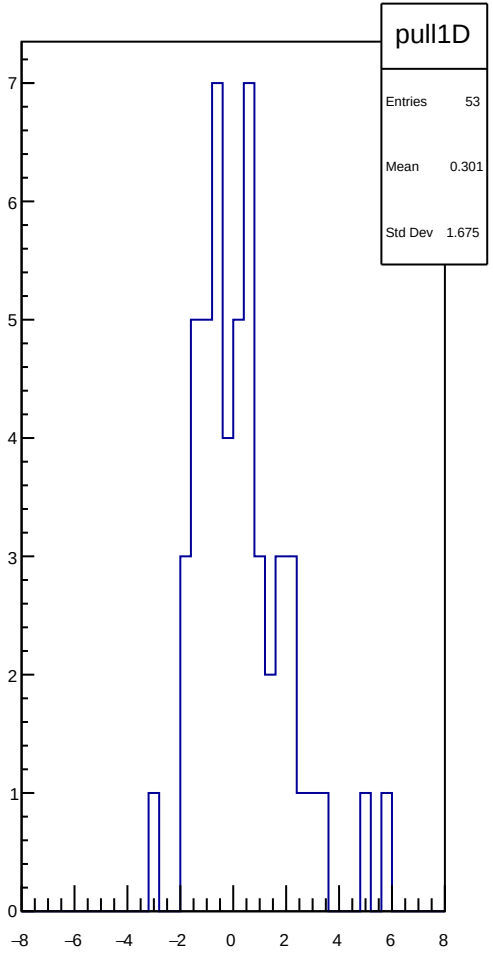

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 168.8 / 52
p0 1.04 ± 0.06968
pull
Entries 53
Mean 54.5
Std Dev 0

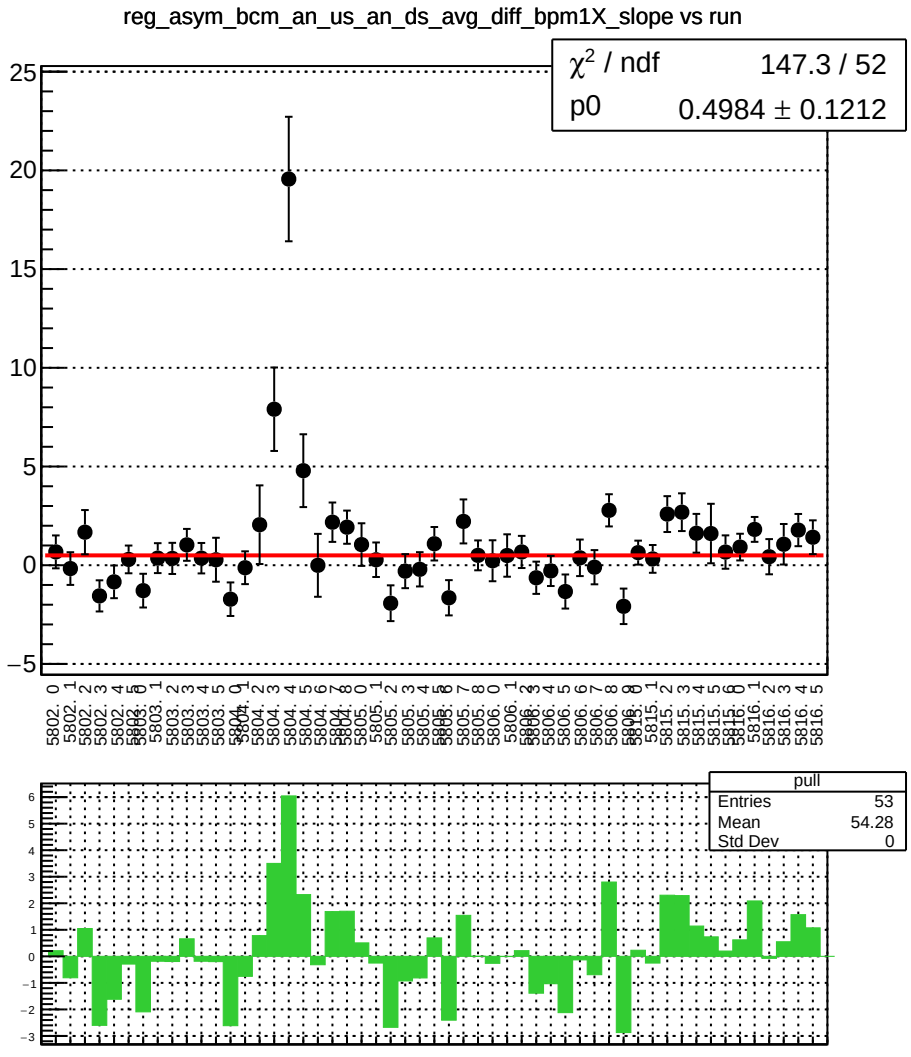

pull1D
Entries 53
Mean 0.1994
Std Dev 1.774

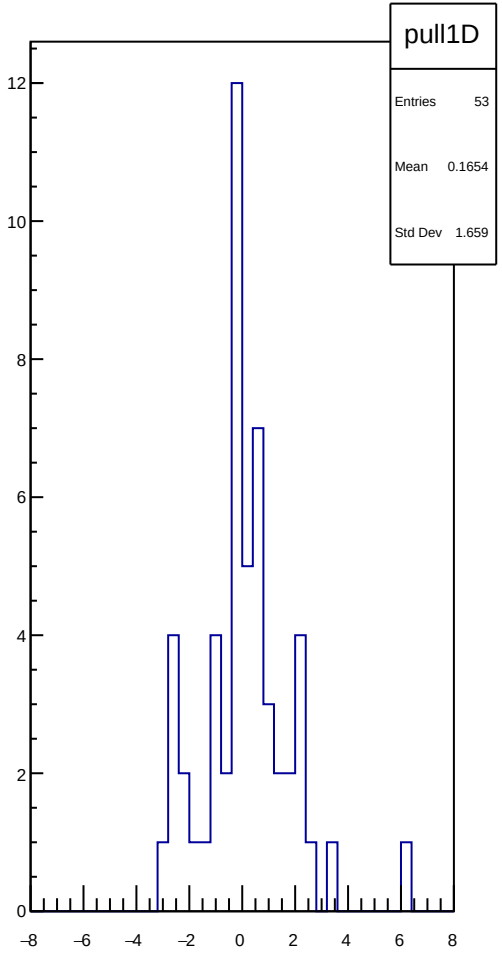

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 138 / 52
p0 0.08403 ± 0.06131
pull
Entries 53
Mean 63.22
Std Dev 0
pull1D
Entries 53
Mean −0.118
Std Dev 1.61

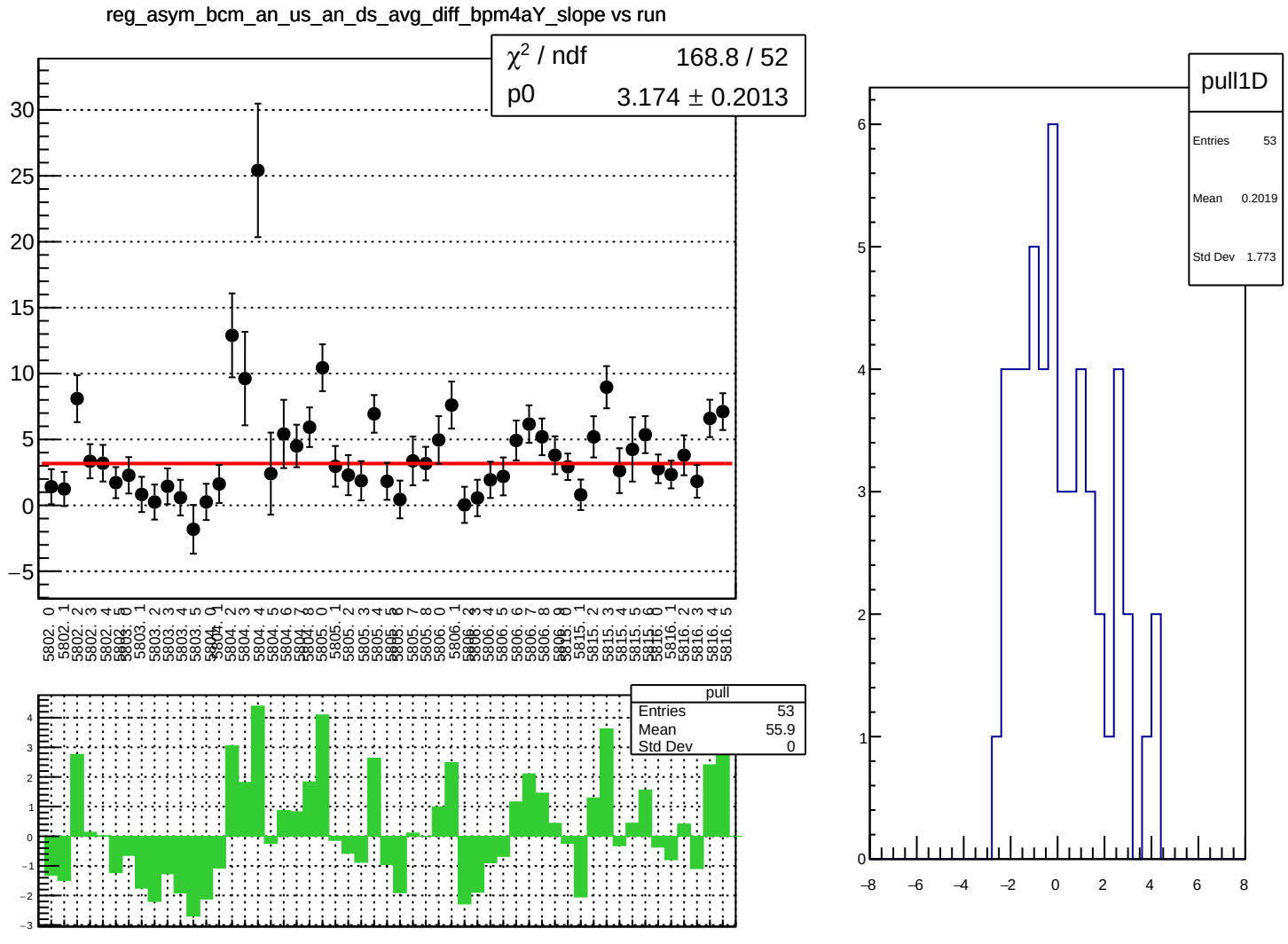

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 173.3 / 52
p0 −1.33 ± 0.07606
pull
Entries 53
Mean 52.95
Std Dev 0
pull1D
Entries 53
Mean −0.2087
Std Dev 1.796

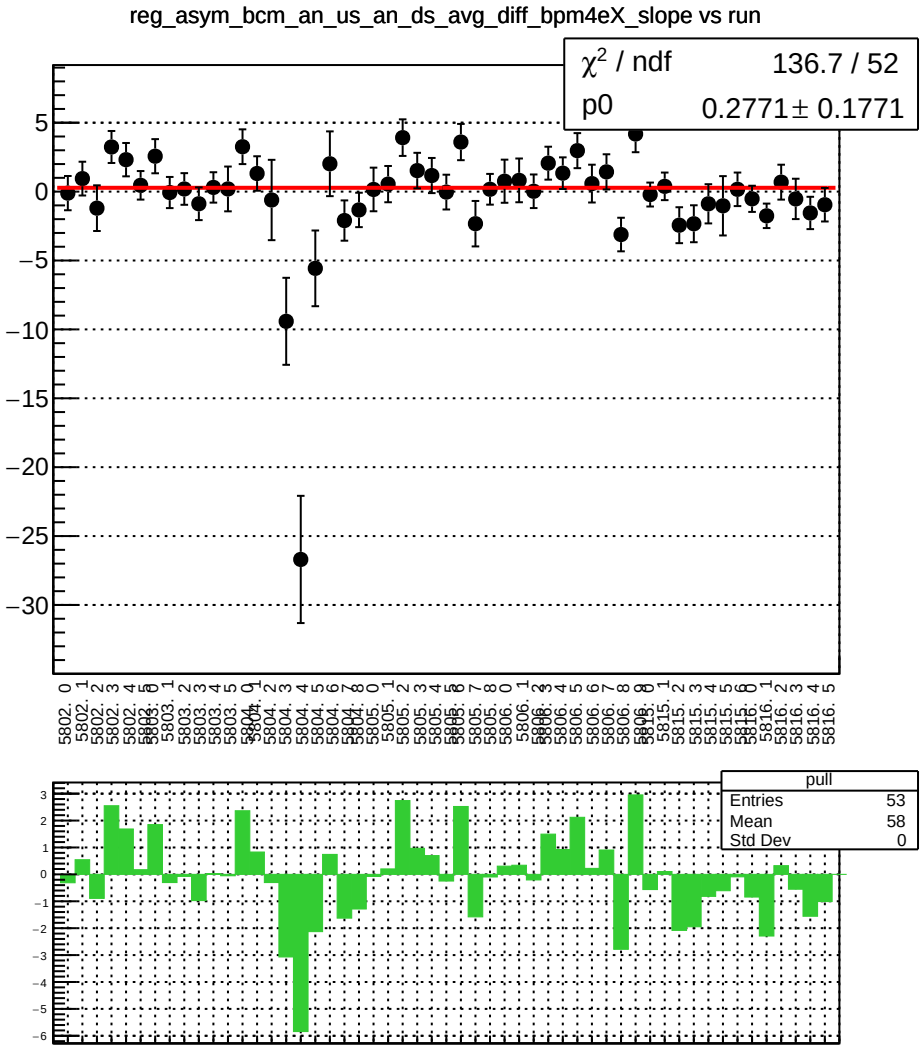

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 153.6 / 52
p0 0.1395 ± 0.004786
pull
Entries 53
Mean 25.05
Std Dev 0

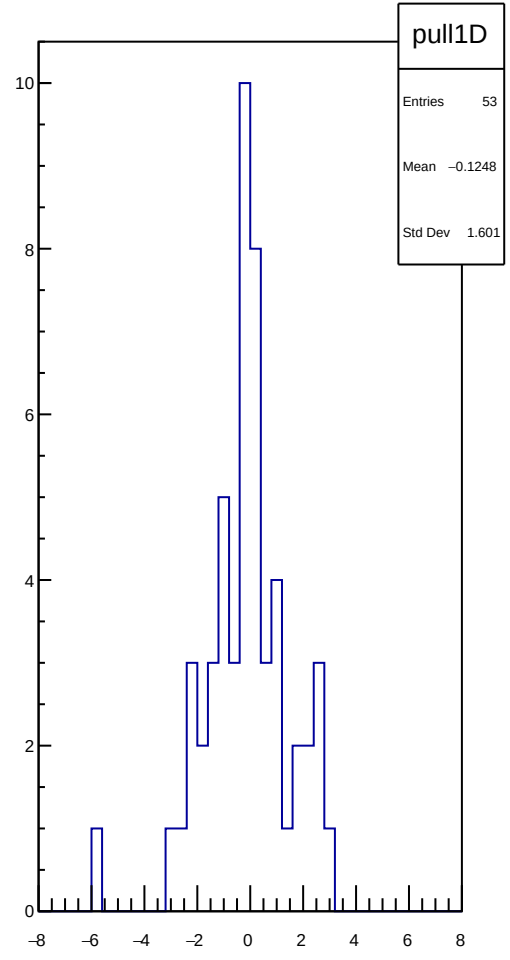

pull1D
Entries 53
Mean 0.301
Std Dev 1.675

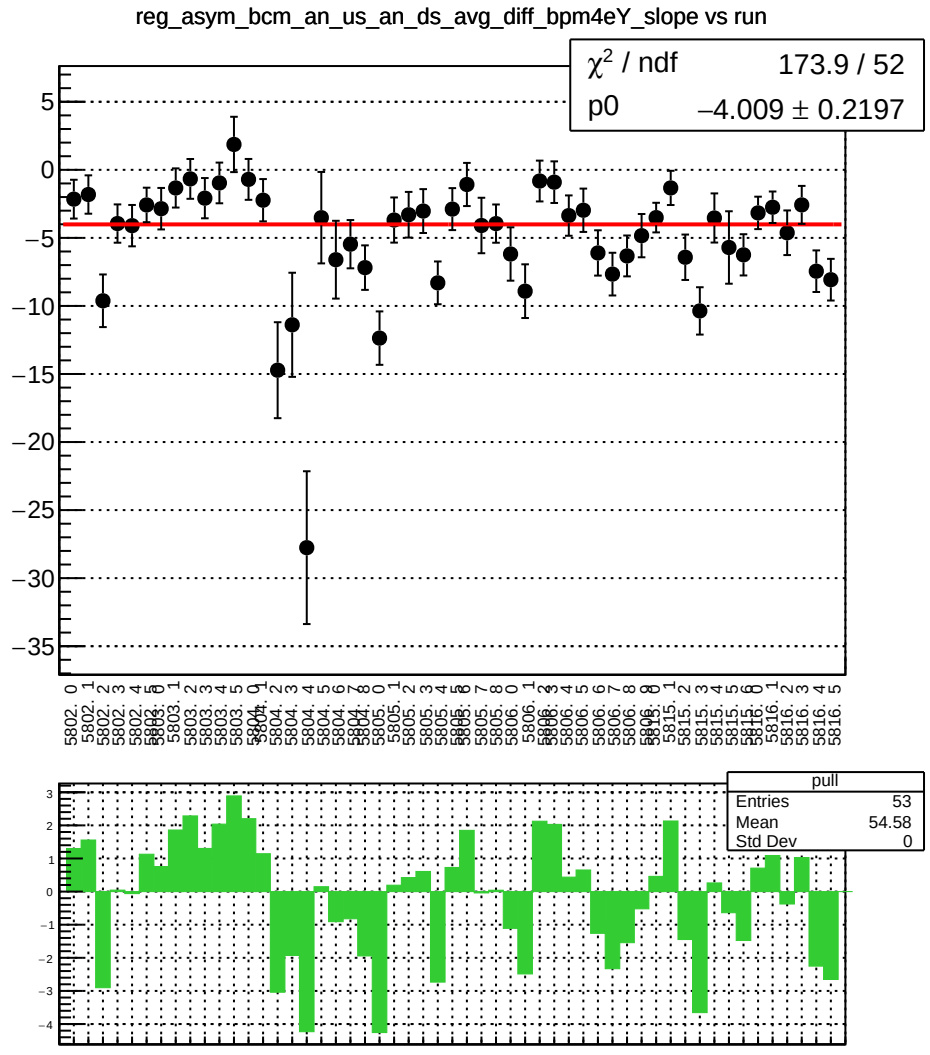

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 147.3 / 52
p0 0.4984 ± 0.1212
pull
Entries 53
Mean 54.28
Std Dev 0

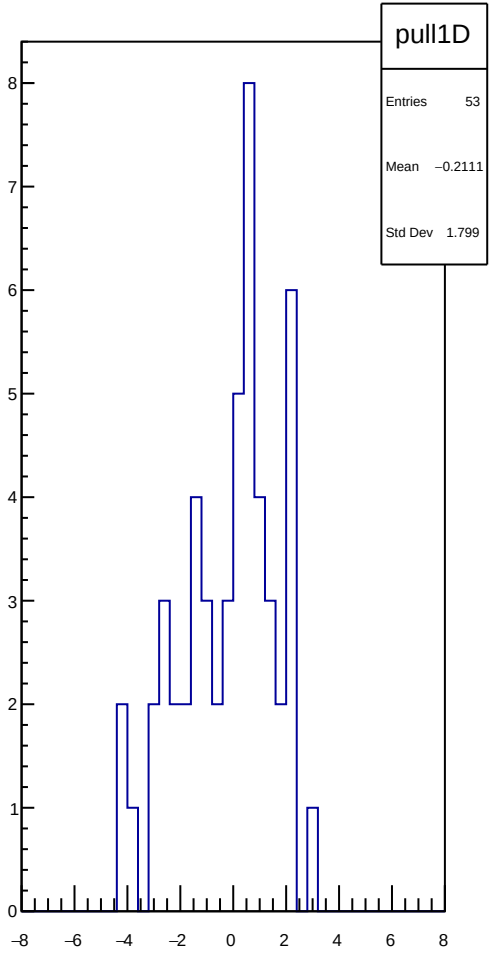

pull1D
Entries 53
Mean 0.1654
Std Dev 1.659

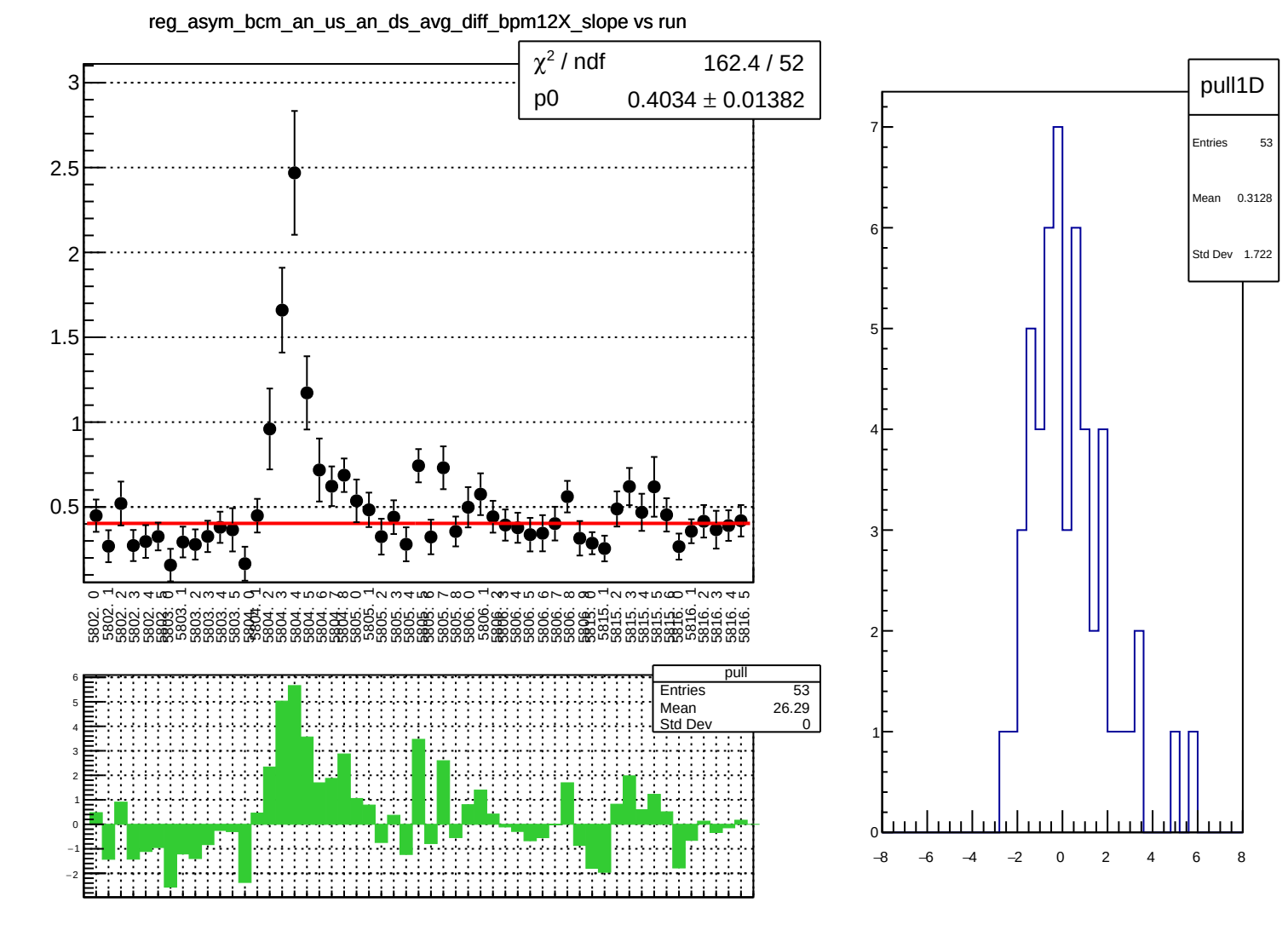

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 168.8 / 52
p0 3.174 ± 0.2013
pull
Entries 53
Mean 55.9
Std Dev 0
pull1D
Entries 53
Mean 0.2019
Std Dev 1.773

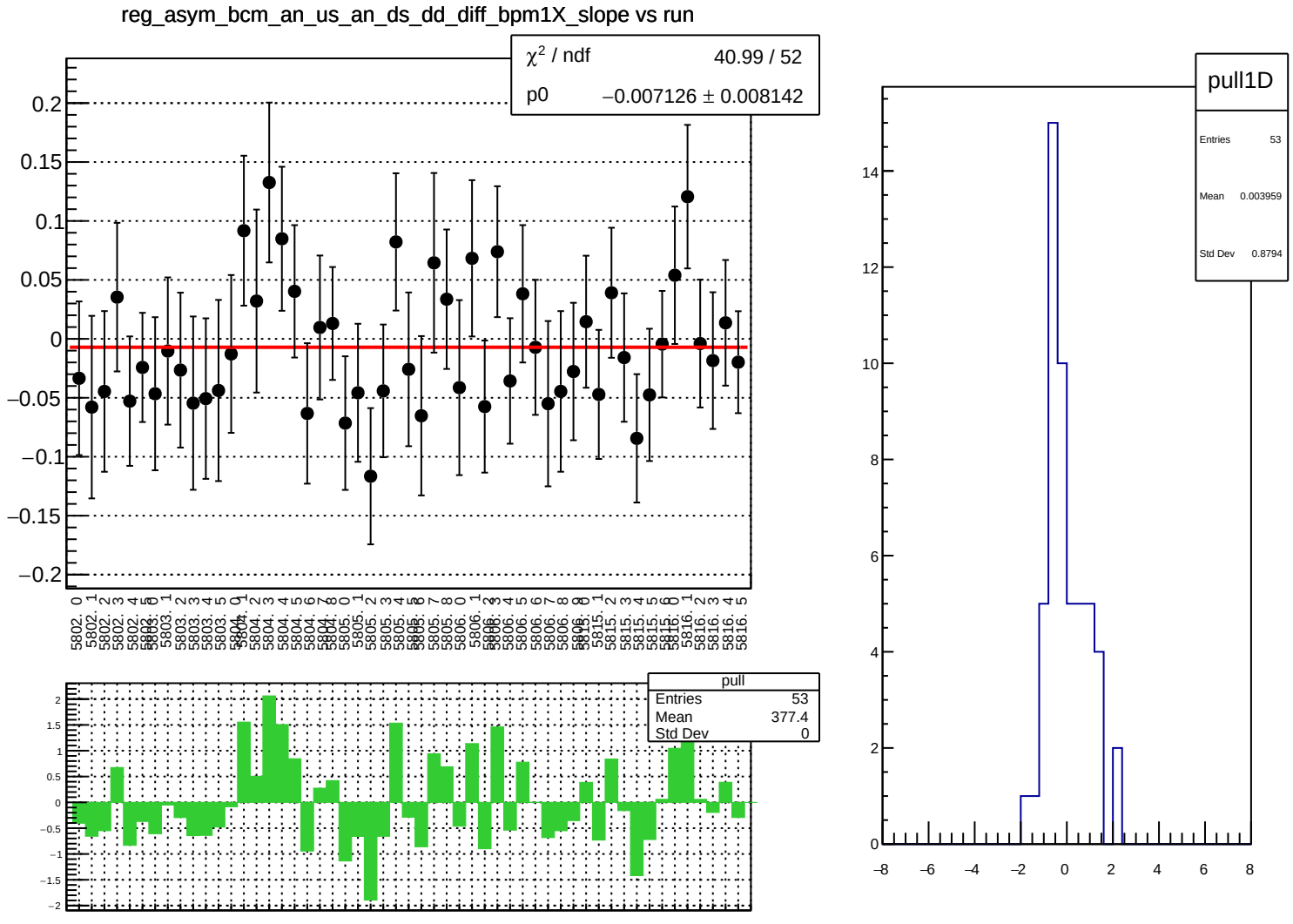

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 136.7 / 52
p0 0.2771± 0.1771
pull
Entries 53
Mean 58
Std Dev 0

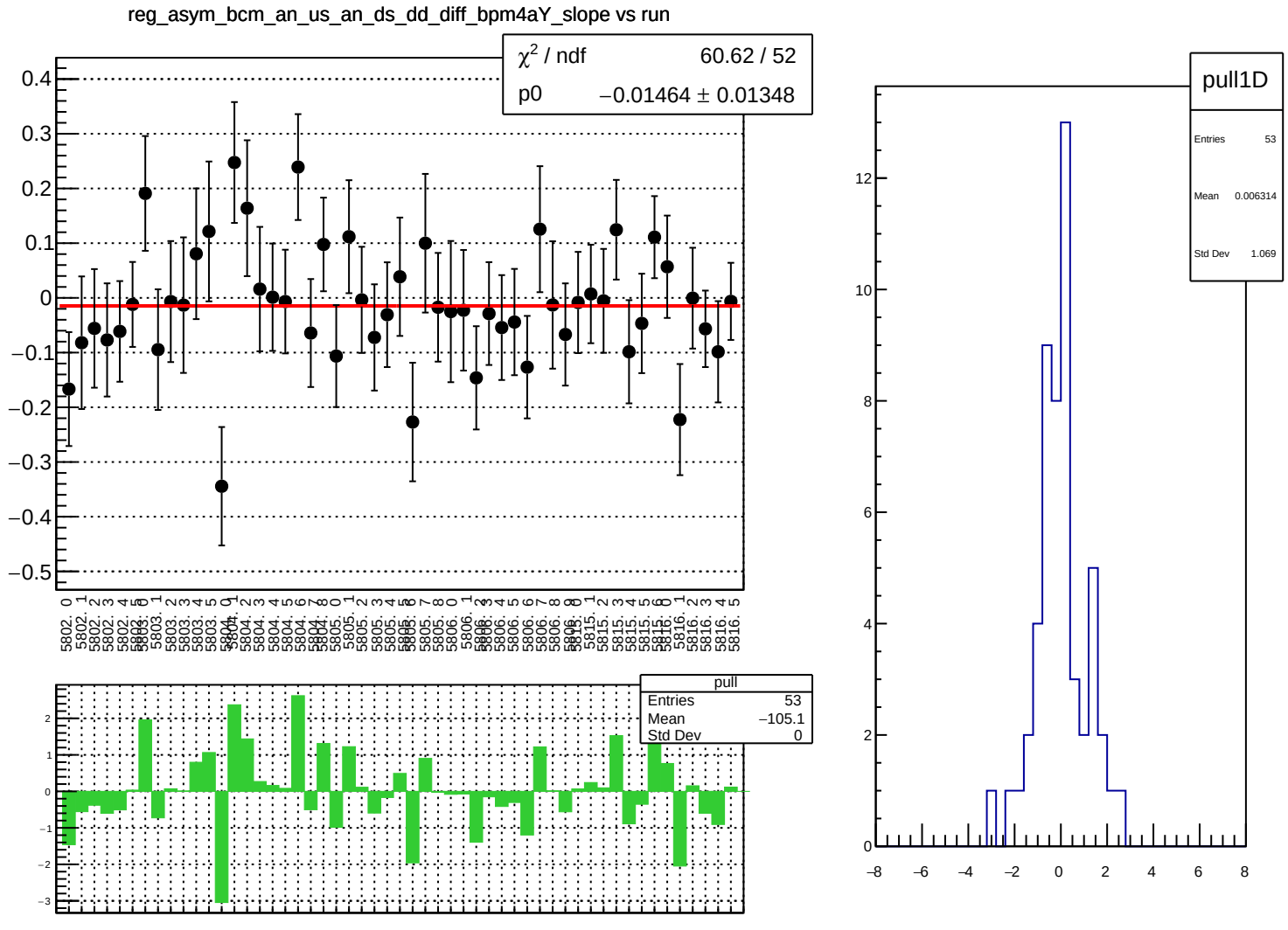

pull1D
Entries 53
Mean −0.1248
Std Dev 1.601

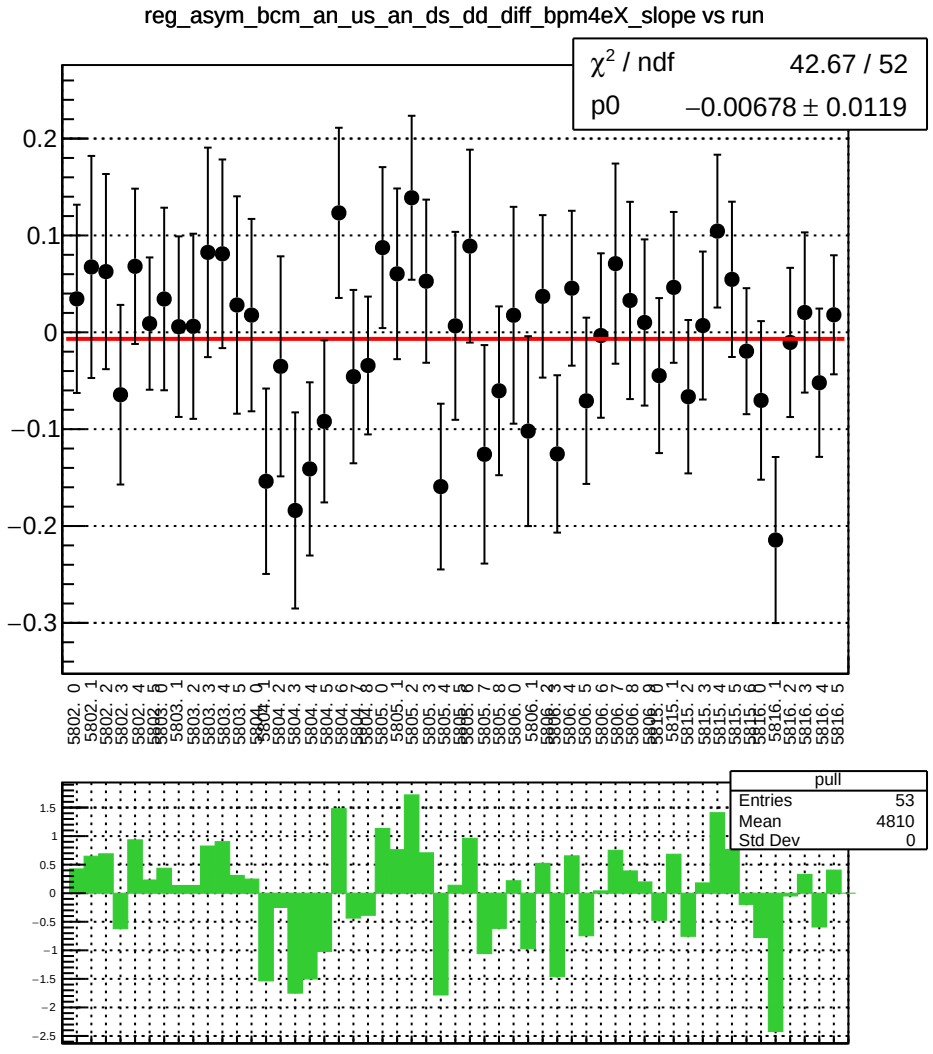

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 173.9 / 52
p0 −4.009 ± 0.2197
pull
Entries 53
Mean 54.58
Std Dev 0

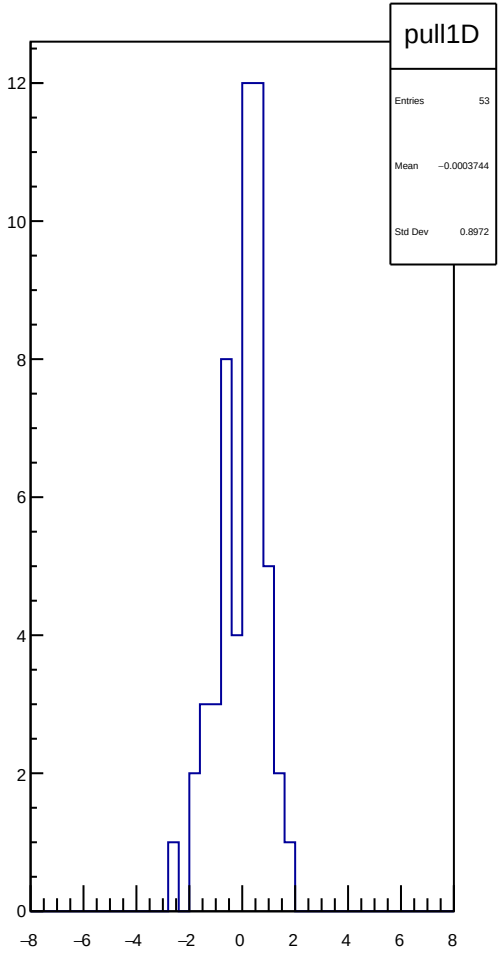

pull1D
Entries 53
Mean −0.2111
Std Dev 1.799

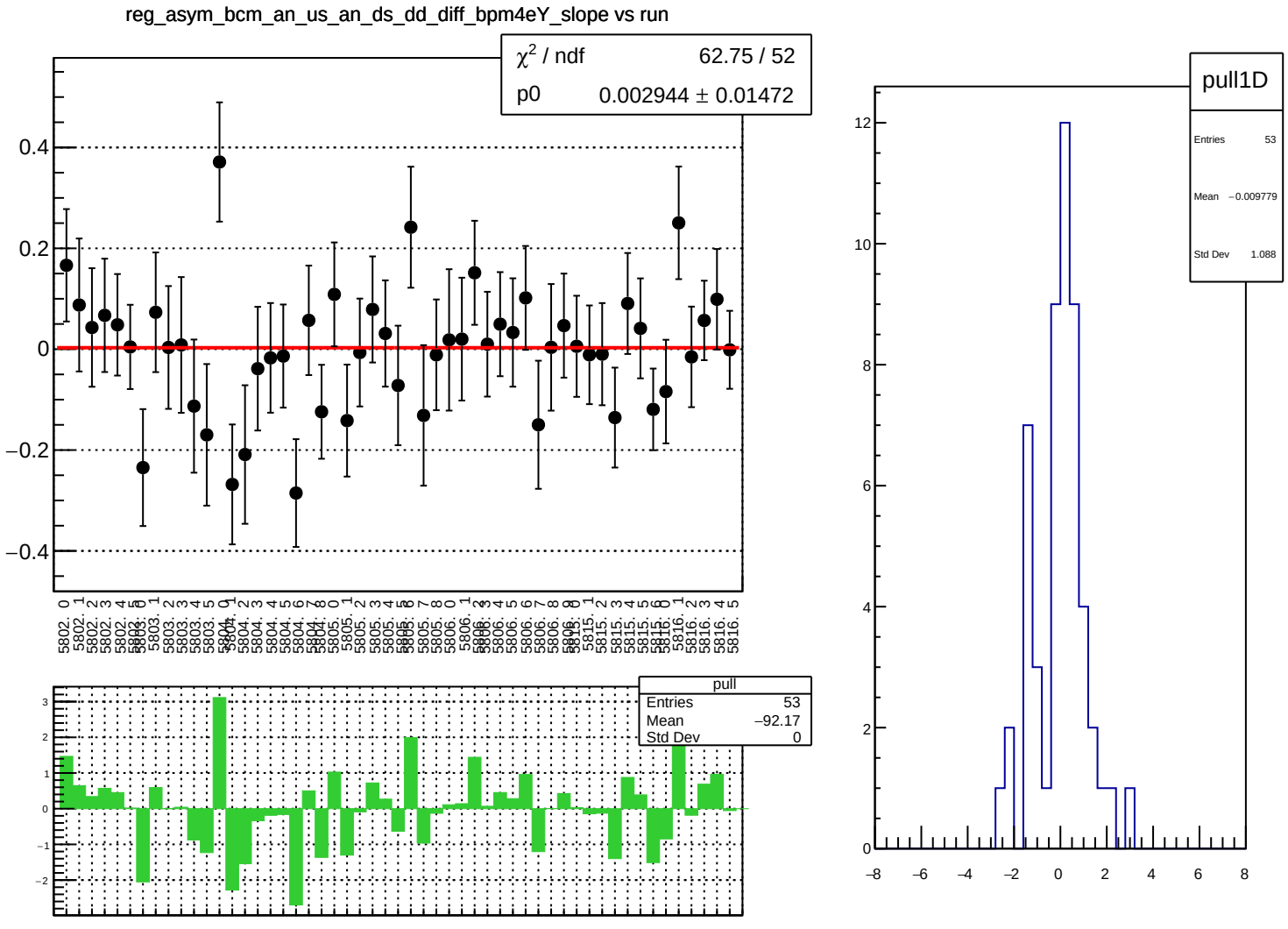

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 162.4 / 52
p0 0.4034 ± 0.01382
pull
Entries 53
Mean 26.29
Std Dev 0
pull1D
Entries 53
Mean 0.3128
Std Dev 1.722

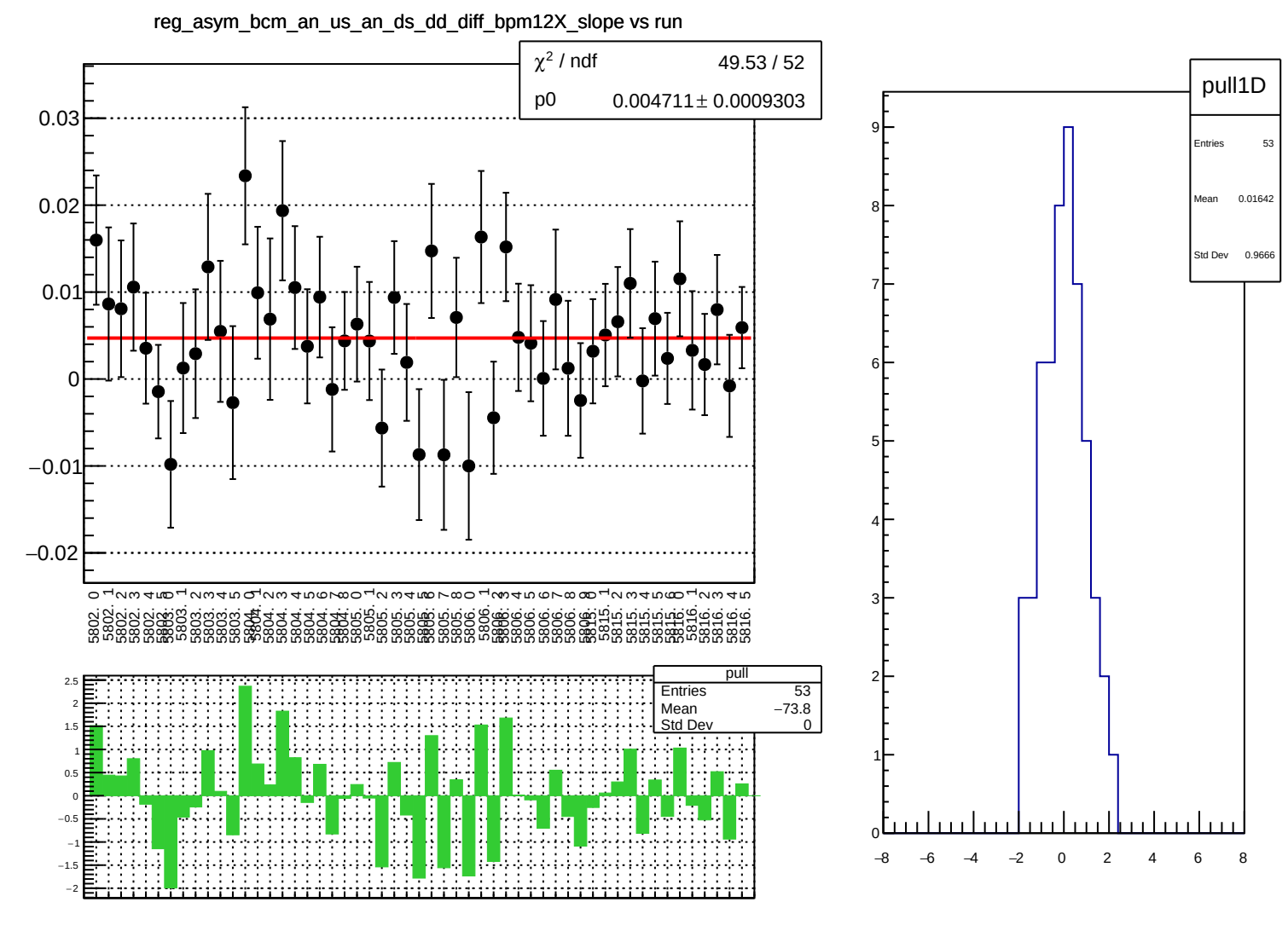

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 40.99 / 52
p0 −0.007126 ± 0.008142
pull
Entries 53
Mean 377.4
Std Dev 0
pull1D
Entries 53
Mean 0.003959
Std Dev 0.8794

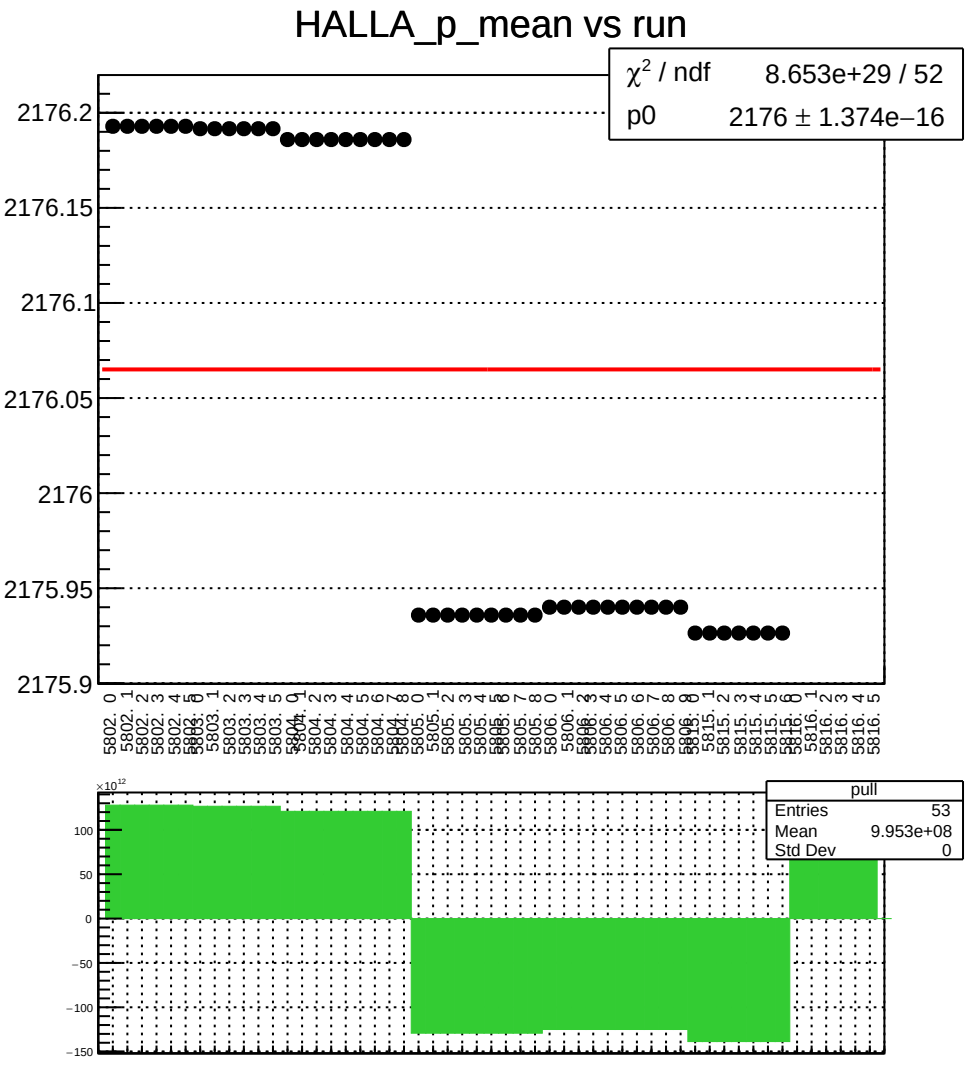

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.62 / 52
p0 −0.01464 ± 0.01348
pull
Entries 53
Mean −105.1
Std Dev 0
pull1D
Entries 53
Mean 0.006314
Std Dev 1.069

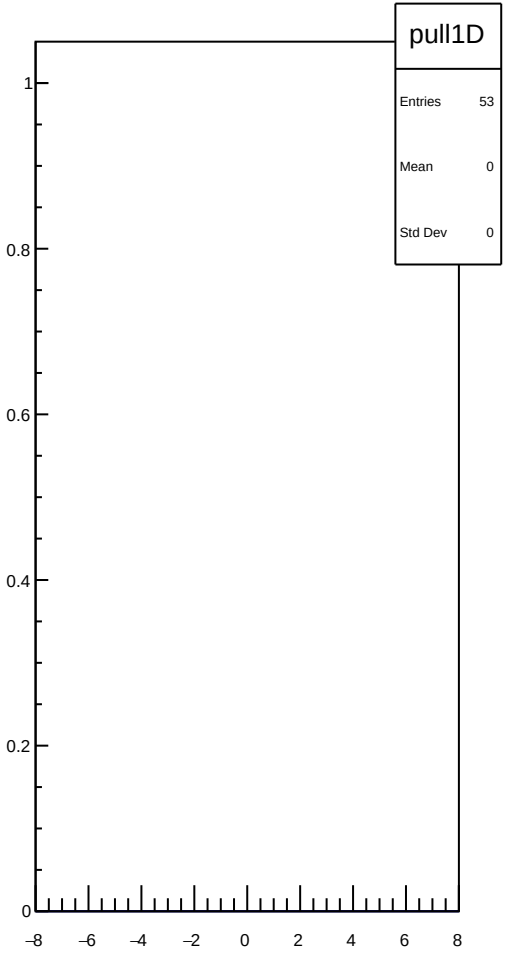

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.67 / 52
p0 −0.00678 ± 0.0119
pull
Entries 53
Mean 4810
Std Dev 0

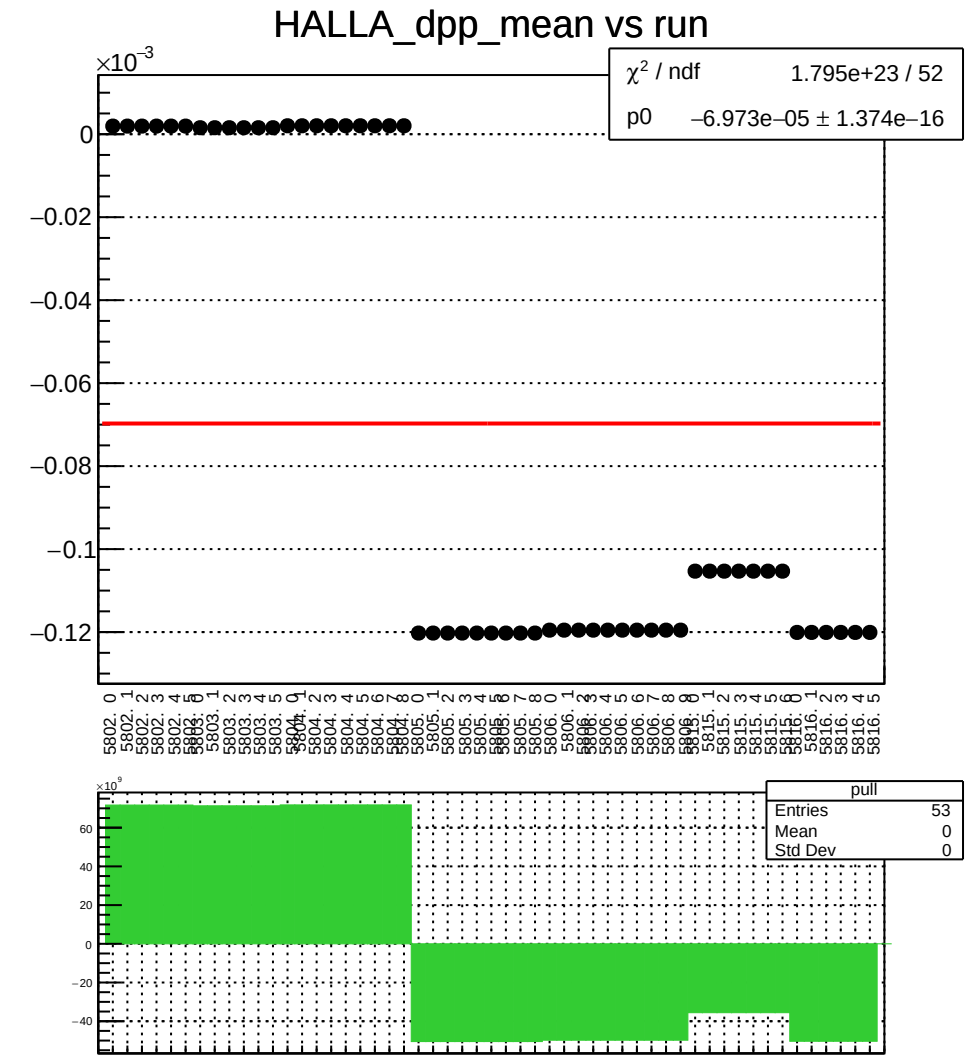

pull1D
Entries 53
Mean −0.0003744
Std Dev 0.8972

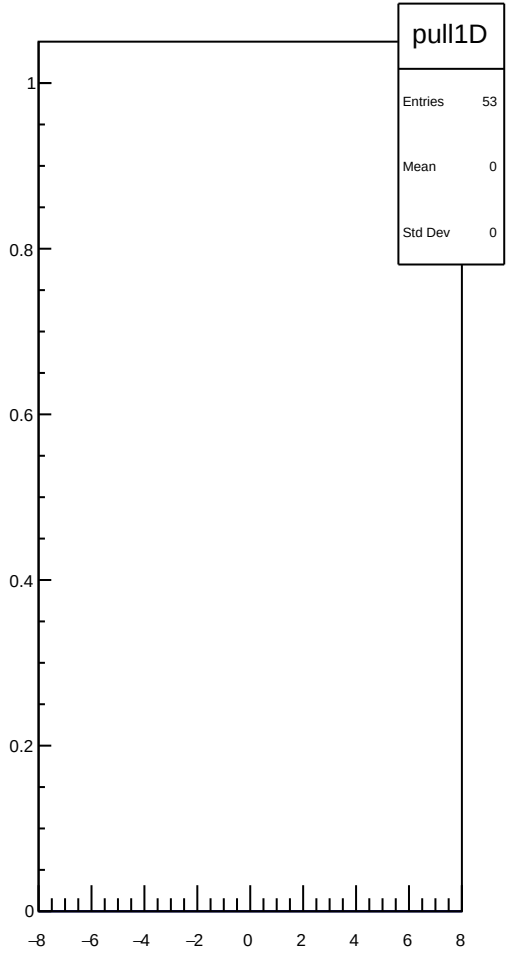

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.75 / 52
p0 0.002944 ± 0.01472
0.4
0.2
0
−0.2
−0.4
pull
Entries 53
Mean −92.17
Std Dev 0
pull1D
Entries 53
Mean −0.009779
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

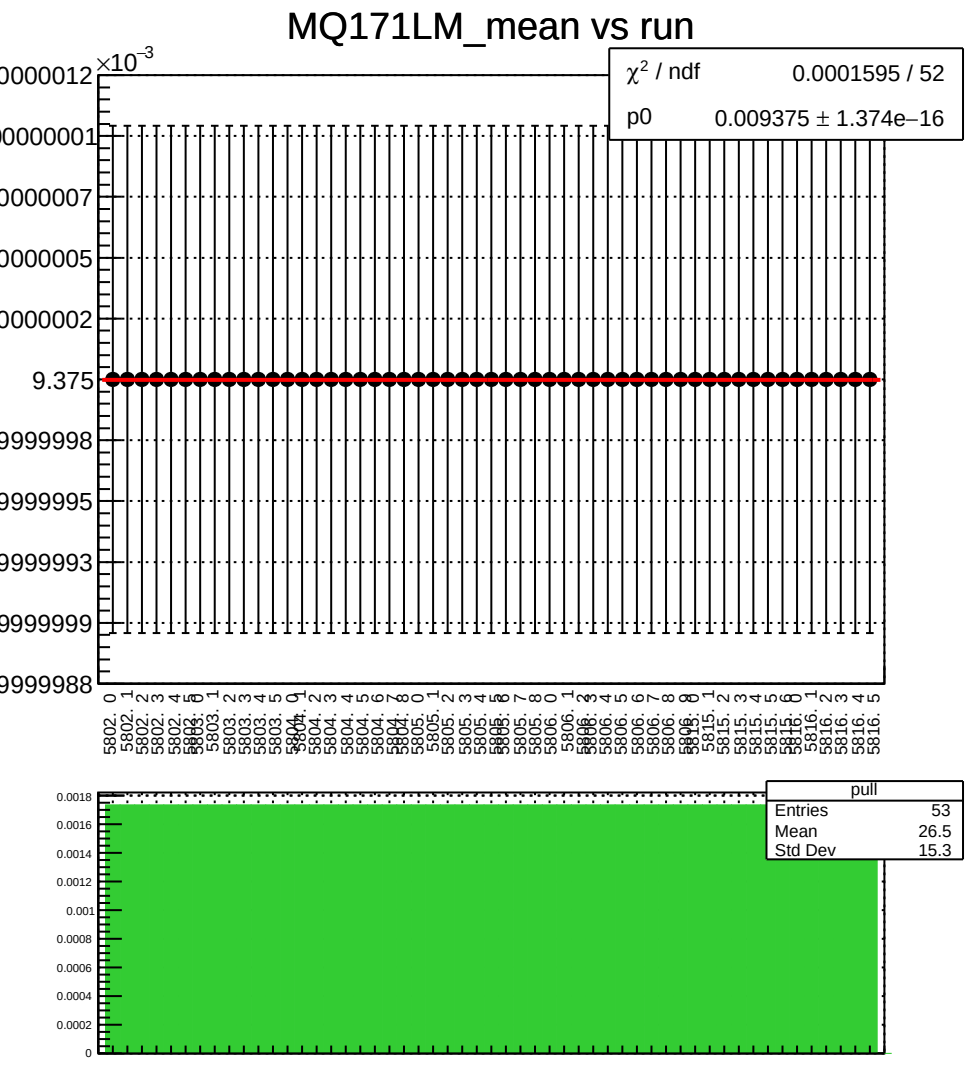

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 49.53 / 52
p0 0.004711 ± 0.0009303
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 53
Mean −73.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.01642
Std Dev 0.9666
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

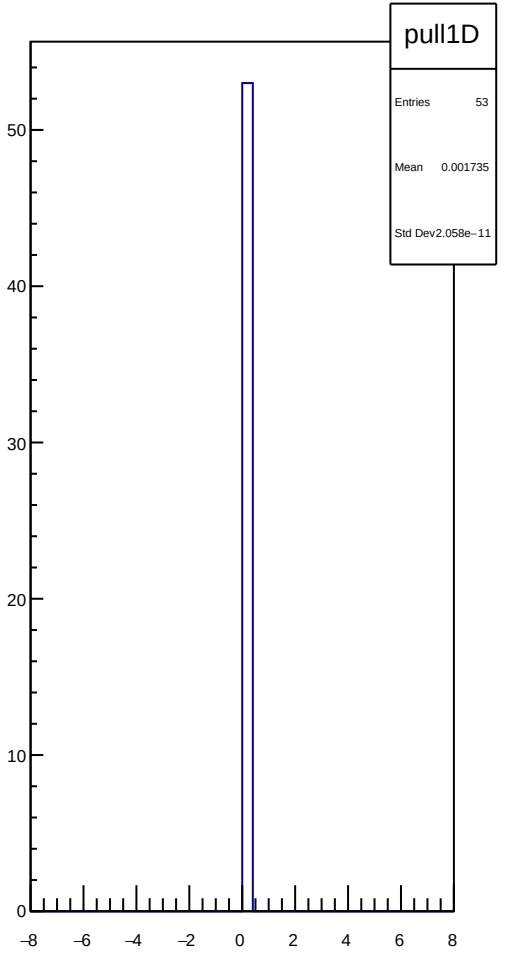

HALLA_p_mean vs run
χ² / ndf 8.653e+29 / 52
p0 2176 ± 1.374e−16
2176.2
2176.15
2176.1
2176.05
2176
2175.95
2175.9
pull
Entries 53
Mean 9.953e+08
Std Dev 0
×10¹²
100
50
0
−50
−100
−150

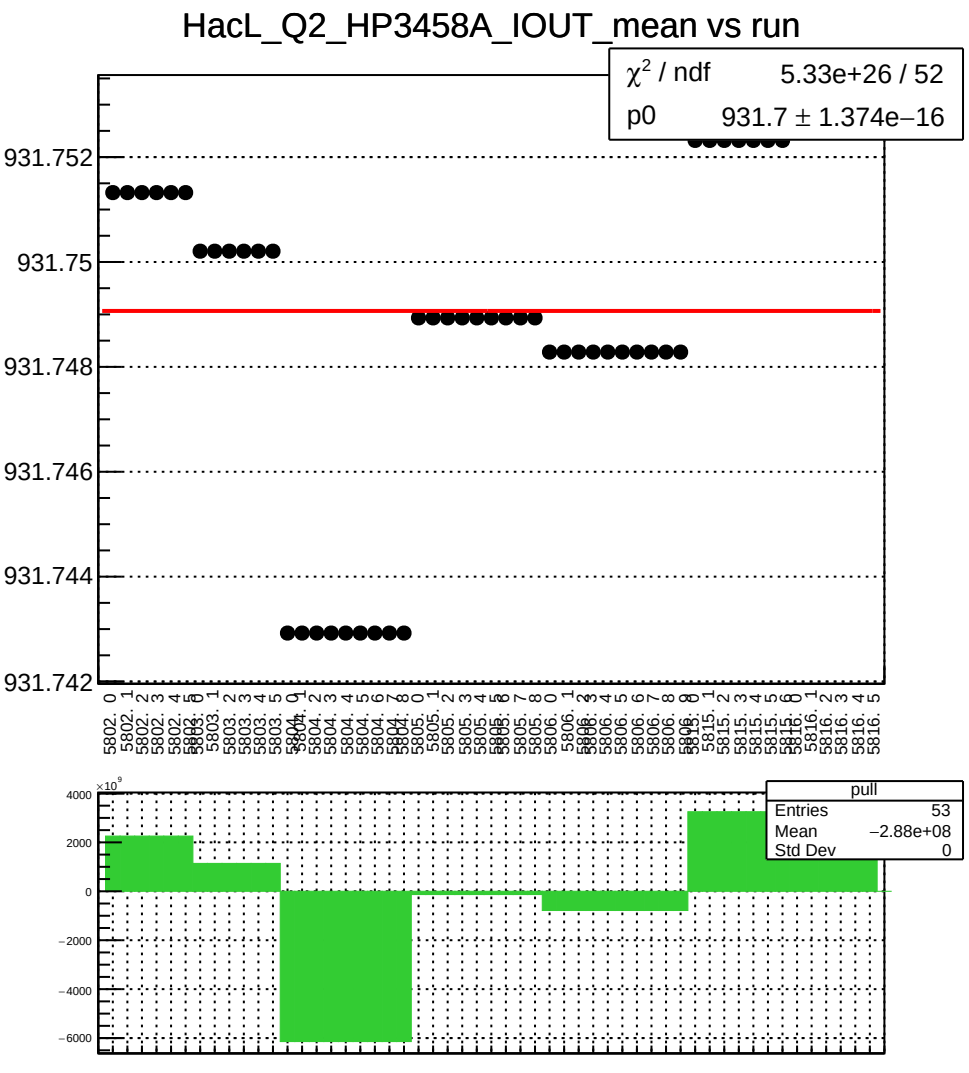

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

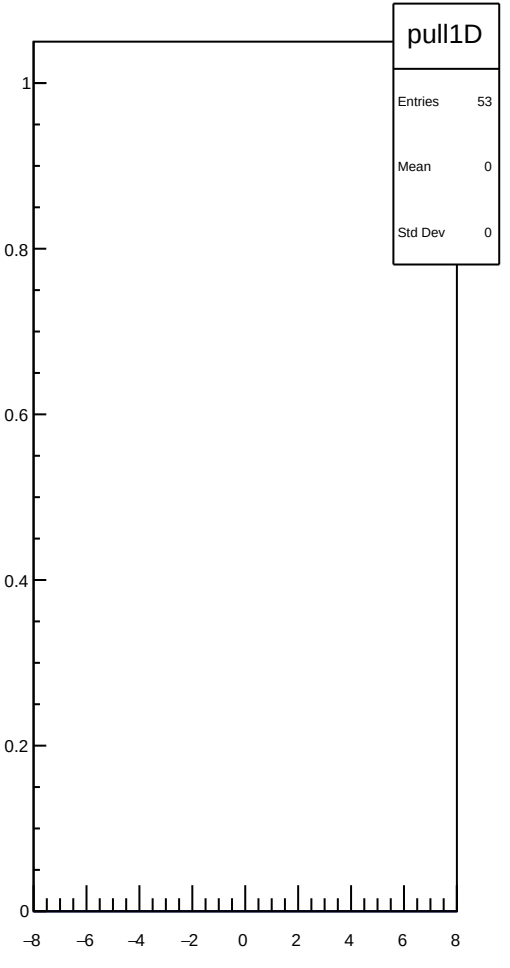

HALLA_dpp_mean vs run
χ² / ndf 1.795e+23 / 52
p0 −6.973e−05 ± 1.374e−16
pull
Entries 53
Mean 0
Std Dev 0

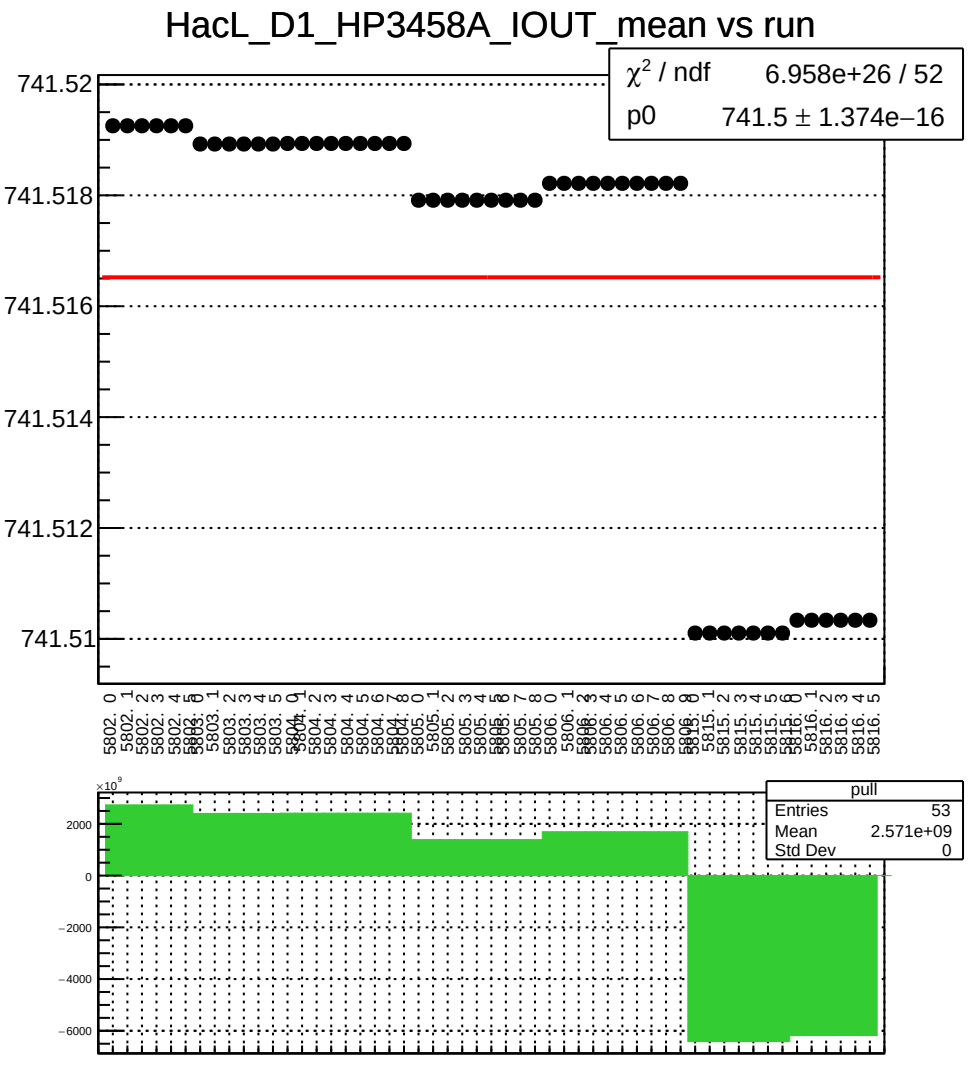

pull1D
Entries 53
Mean 0
Std Dev 0

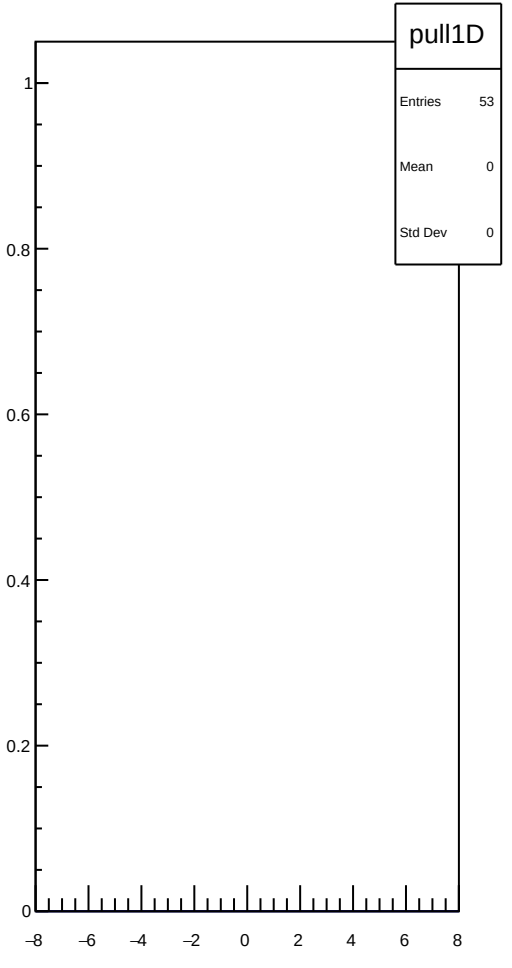

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
9.375
pull
Entries 53
Mean 26.5
Std Dev 15.3

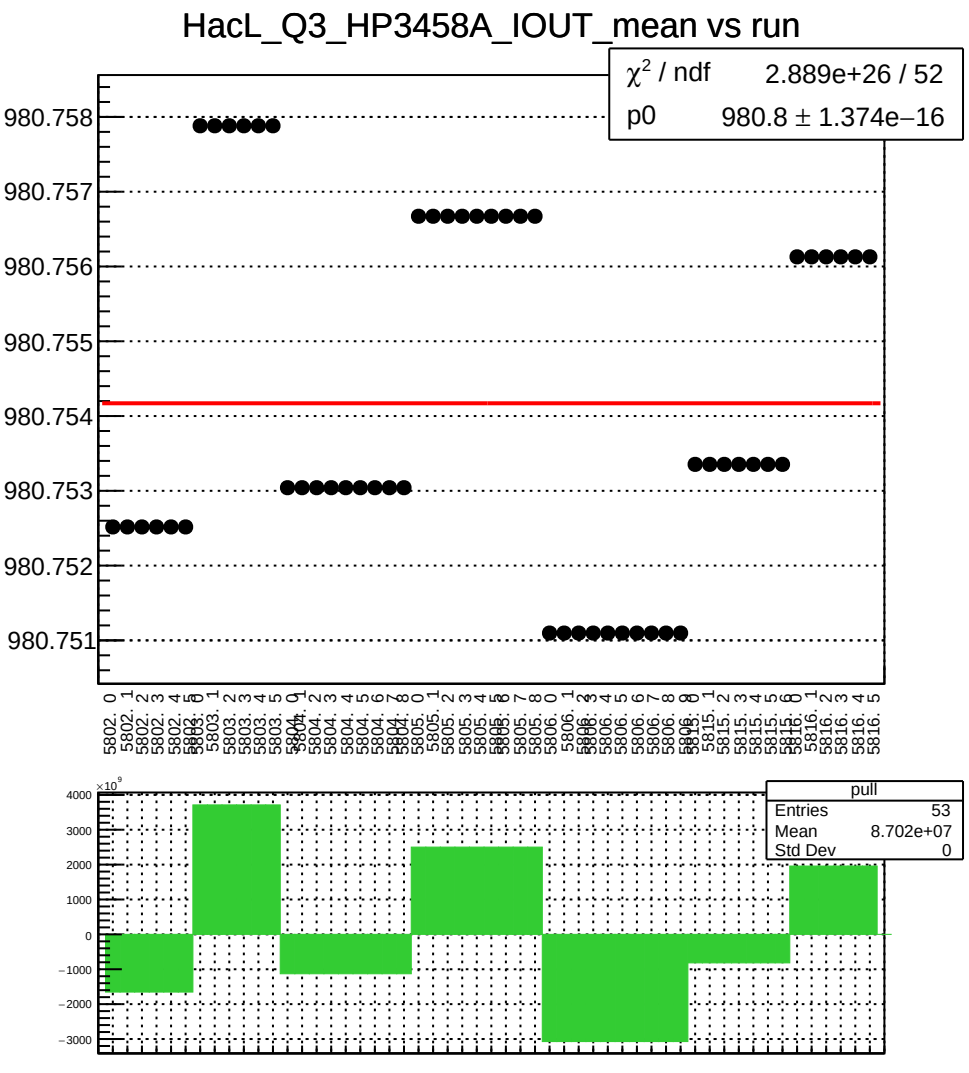

pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11

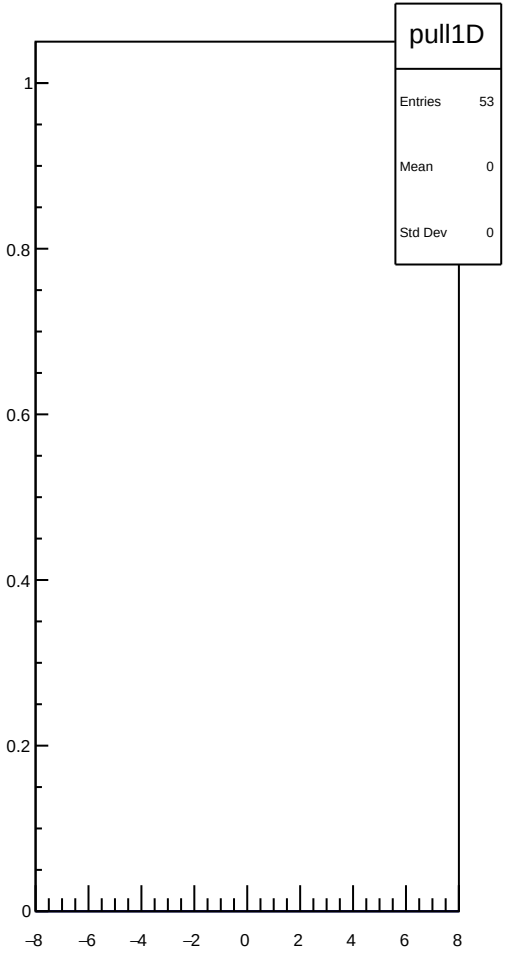

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.33e+26 / 52
p0 931.7 ± 1.374e−16
931.752
931.75
931.748
931.746
931.744
931.742
pull
Entries 53
Mean −2.88e+08
Std Dev 0
×10⁹
4000
2000
0
−2000
−4000
−6000

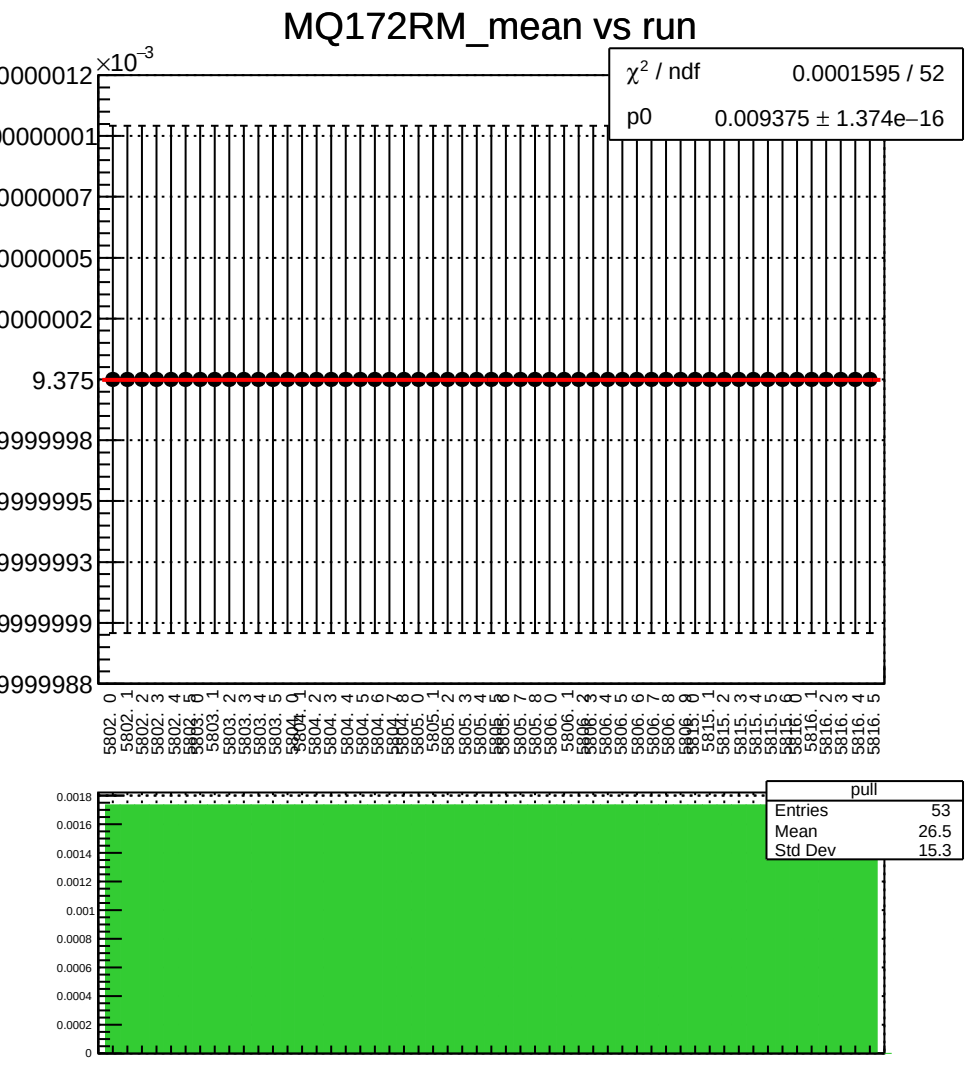

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

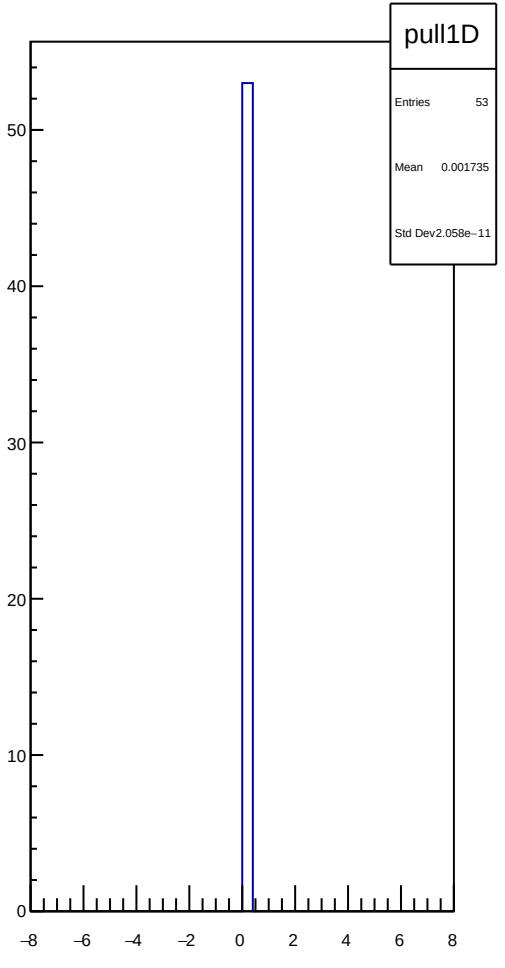

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 6.958e+26 / 52
p0 741.5 ± 1.374e−16
741.52
741.518
741.516
741.514
741.512
741.51
pull
Entries 53
Mean 2.571e+09
Std Dev 0
×10⁹
2000
0
−2000
−4000
−6000

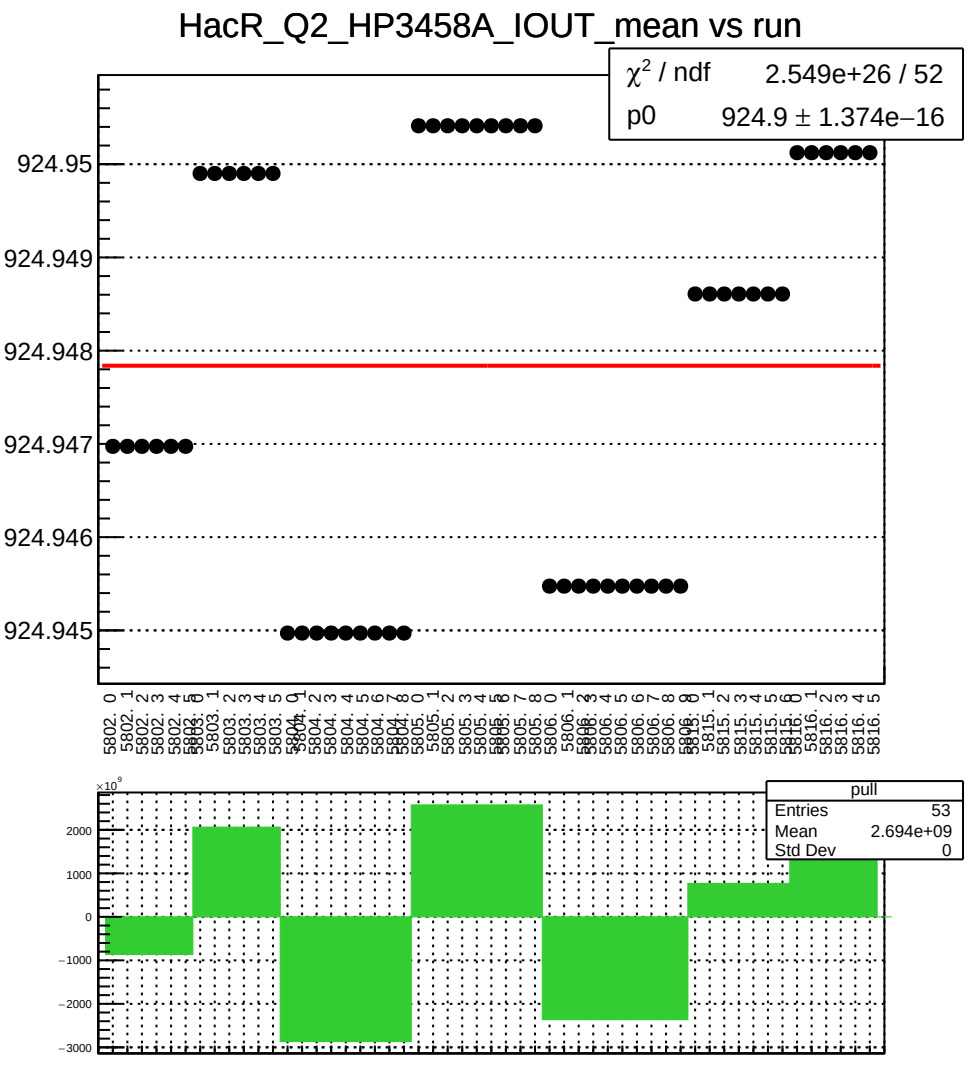

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

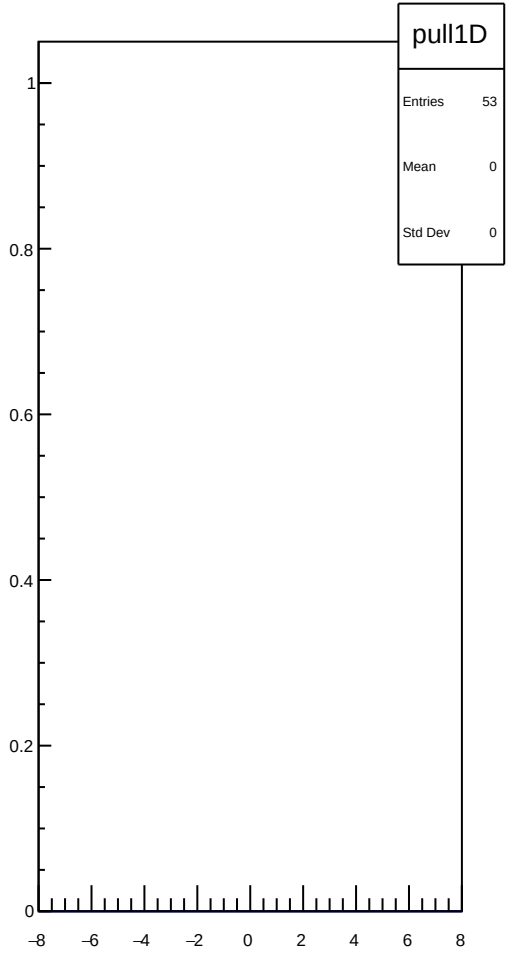

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.889e+26 / 52
p0 980.8 ± 1.374e−16
980.758
980.757
980.756
980.755
980.754
980.753
980.752
980.751
pull
Entries 53
Mean 8.702e+07
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000

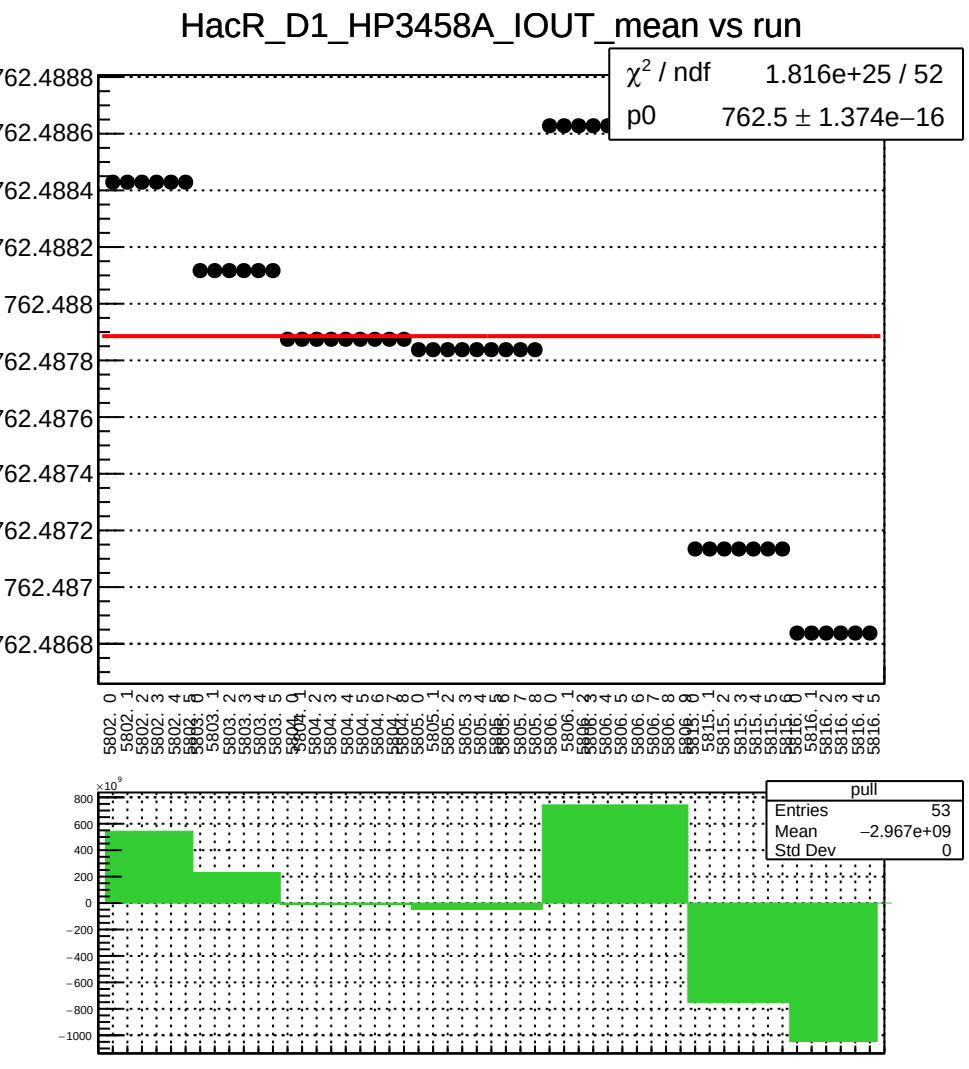

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

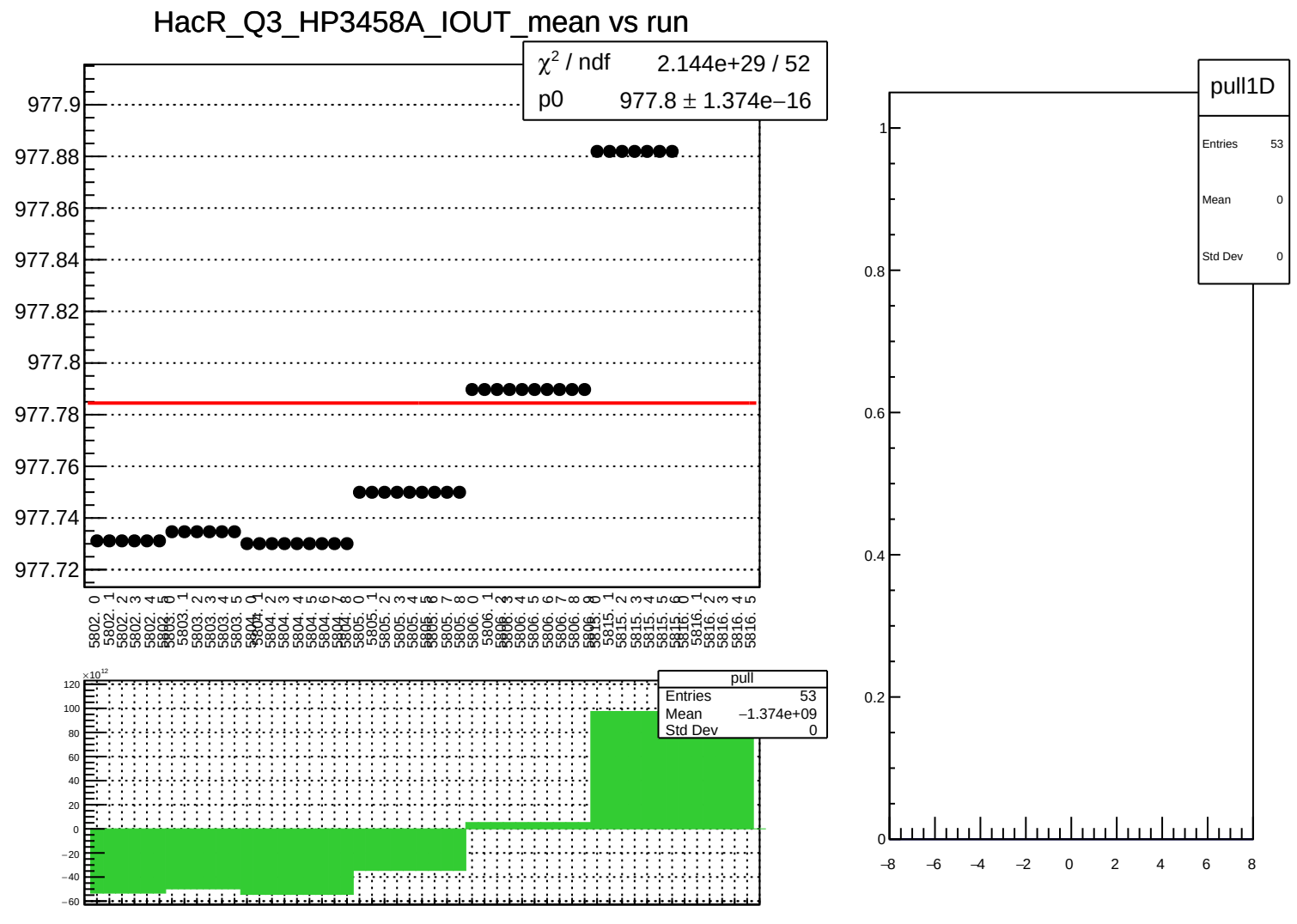

MQ172RM_mean vs run
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
×10⁻³
pull
Entries 53
Mean 26.5
Std Dev 15.3

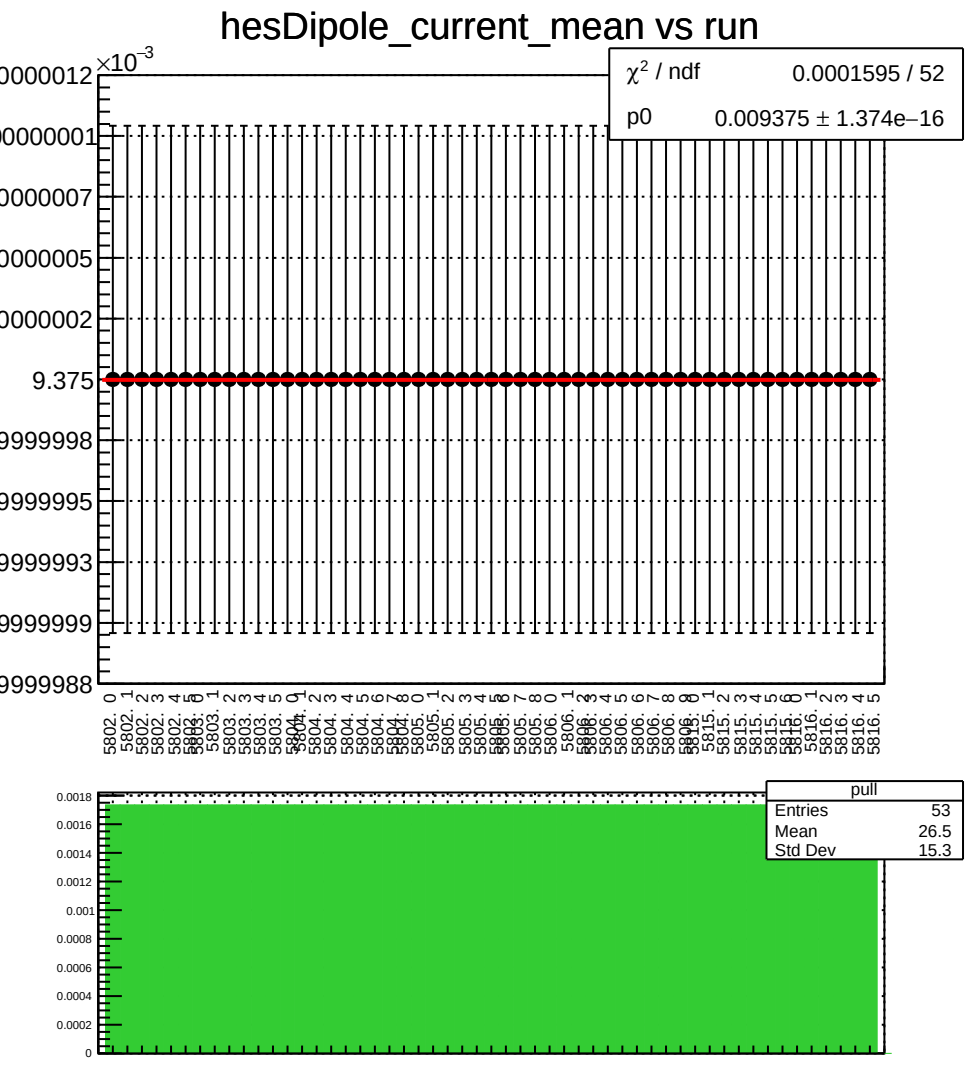

pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11

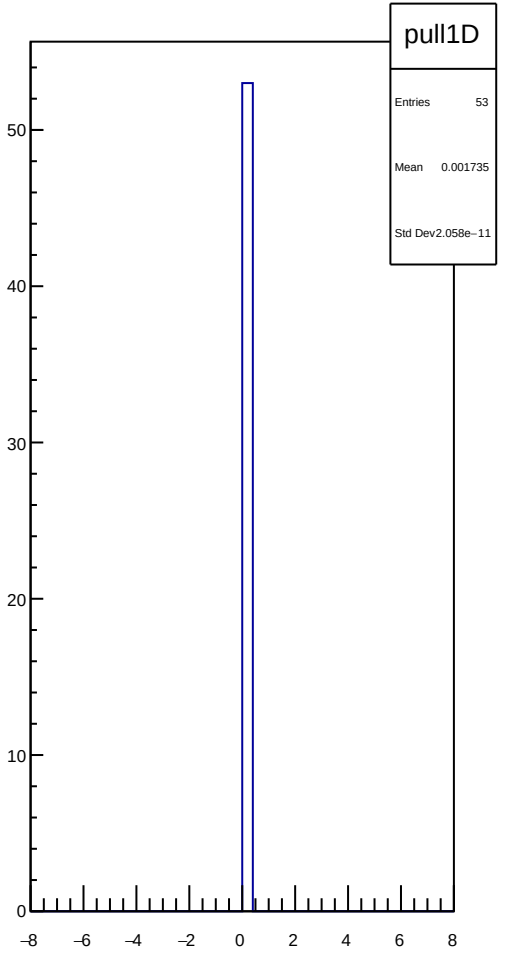

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.549e+26 / 52
p0 924.9 ± 1.374e−16
924.95
924.949
924.948
924.947
924.946
924.945
pull
Entries 53
Mean 2.694e+09
Std Dev 0
×10⁹
2000
1000
0
−1000
−2000
−3000

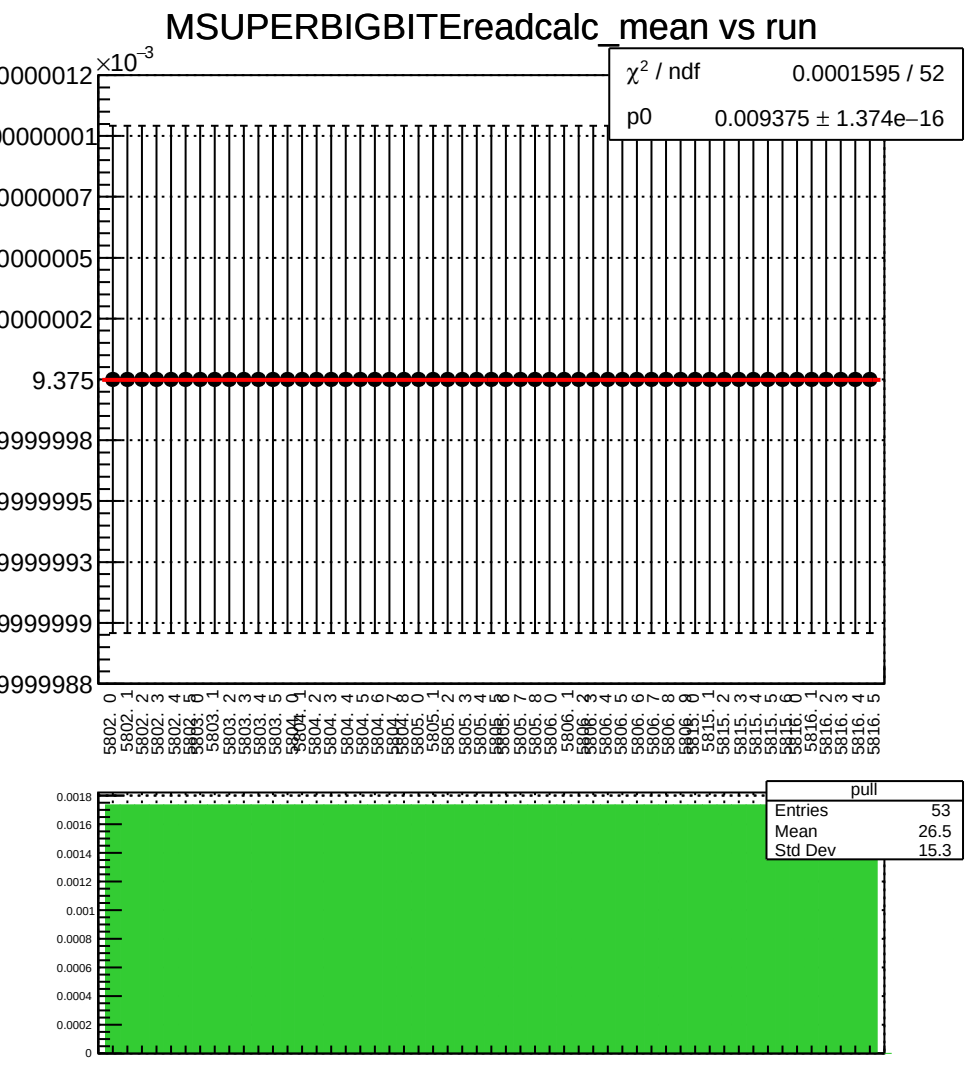

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

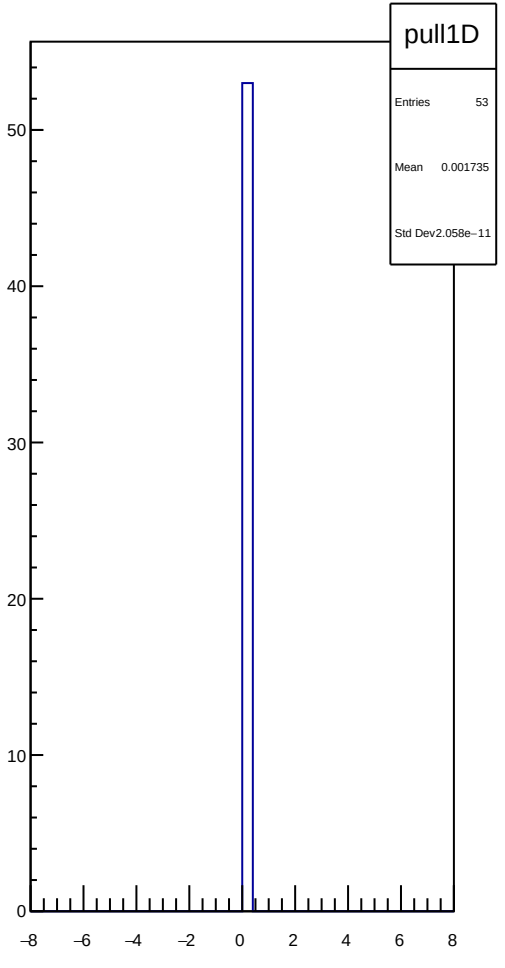

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.816e+25 / 52
p0 762.5 ± 1.374e−16
762.4888
762.4886
762.4884
762.4882
762.488
762.4878
762.4876
762.4874
762.4872
762.487
762.4868
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 7
5805. 8
5806. 0
5806. 1
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁹
800
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 53
Mean −2.967e+09
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

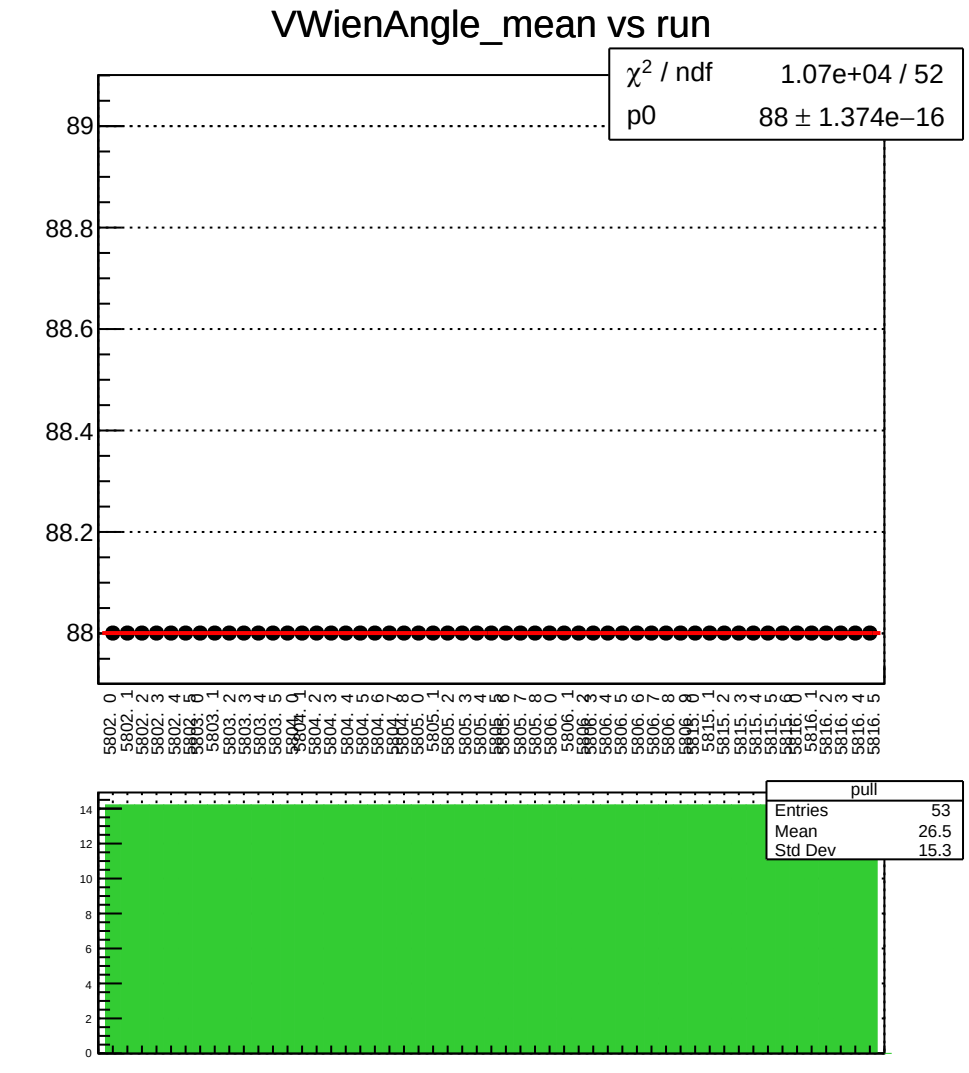

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.144e+29 / 52
p0 977.8 ± 1.374e−16
977.9
977.88
977.86
977.84
977.82
977.8
977.78
977.76
977.74
977.72
pull
Entries 53
Mean −1.374e+09
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0

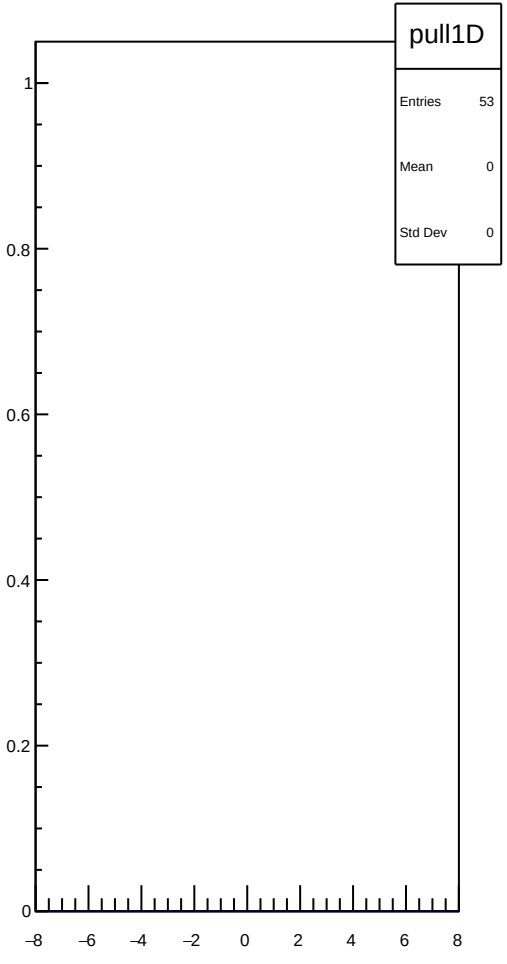

hesDipole_current_mean vs run
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
×10⁻³
pull
Entries 53
Mean 26.5
Std Dev 15.3

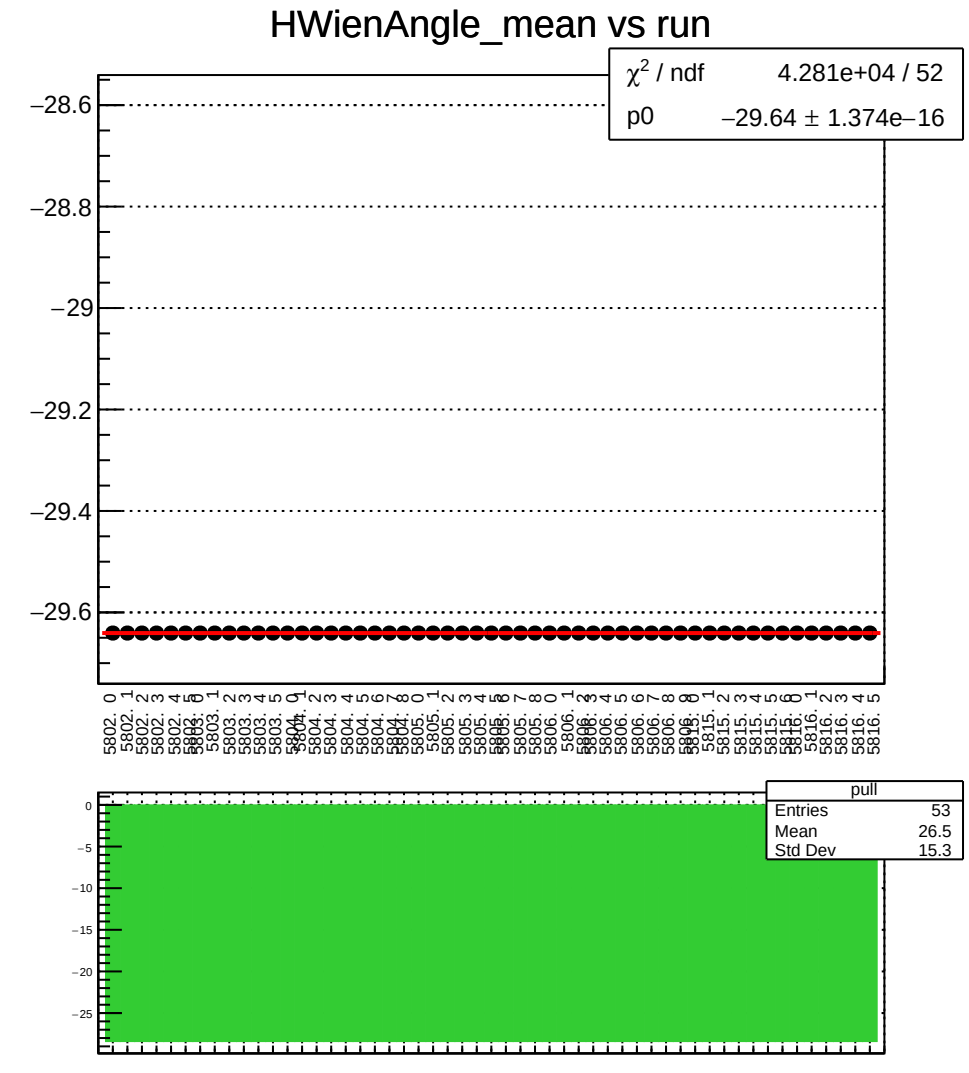

pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11

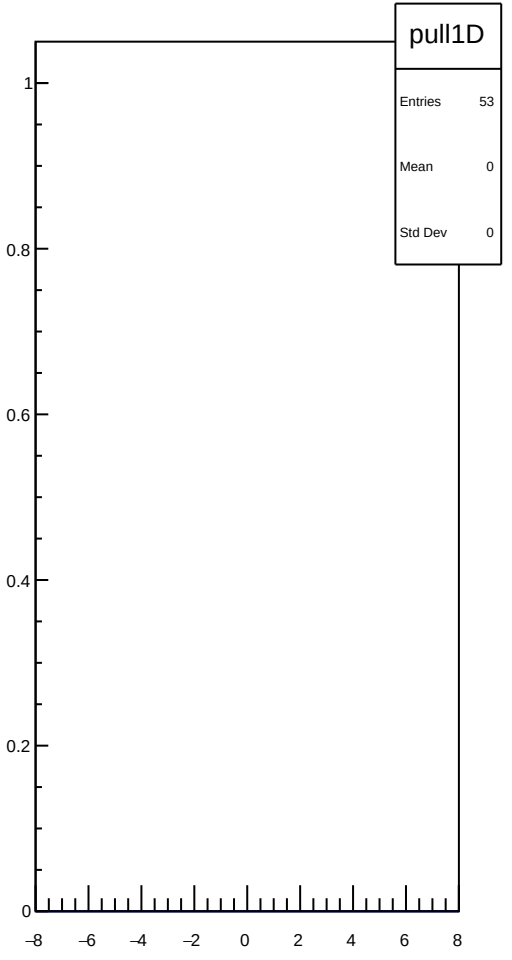

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
×10⁻³
pull
Entries 53
Mean 26.5
Std Dev 15.3

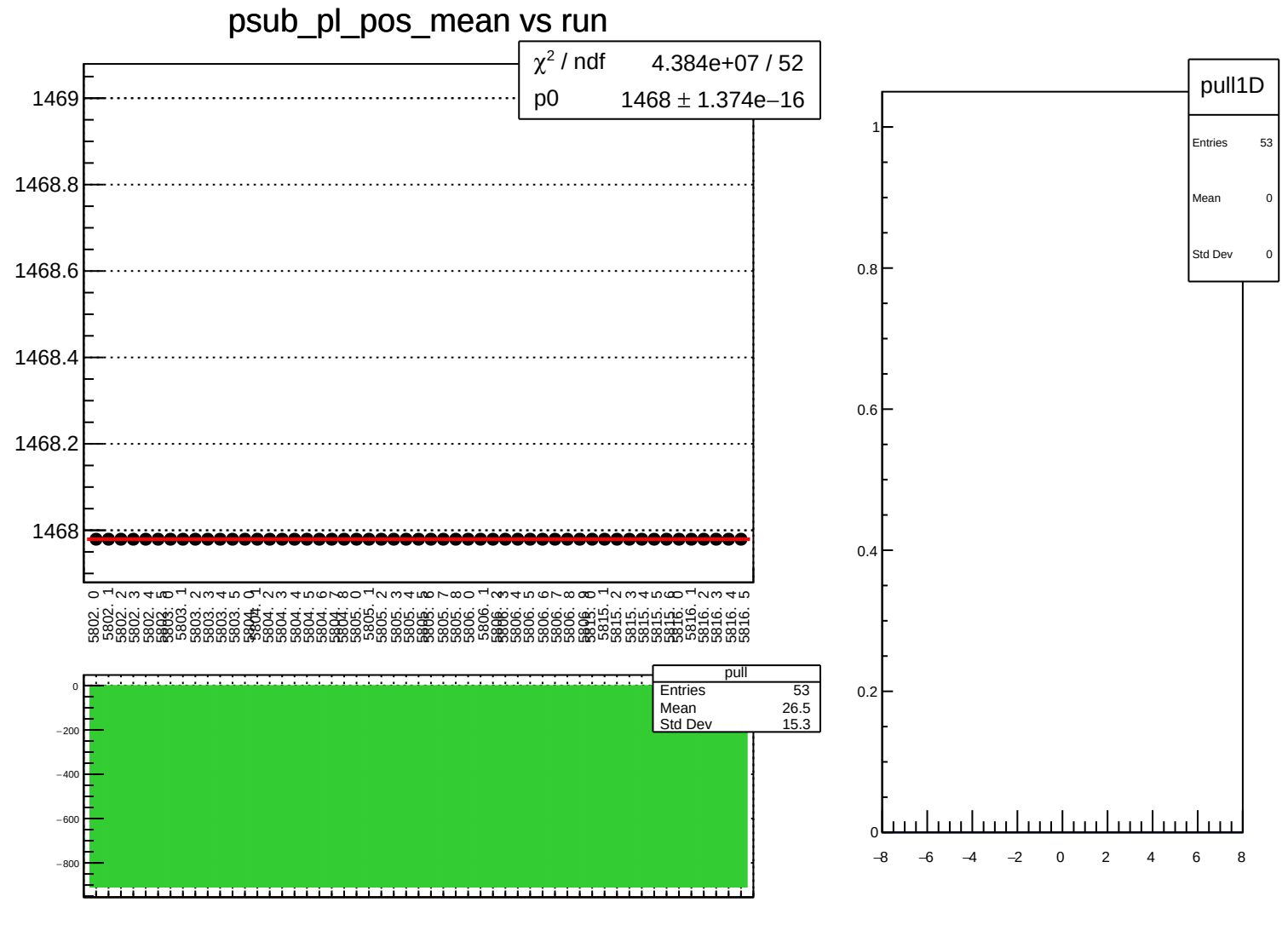

pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11

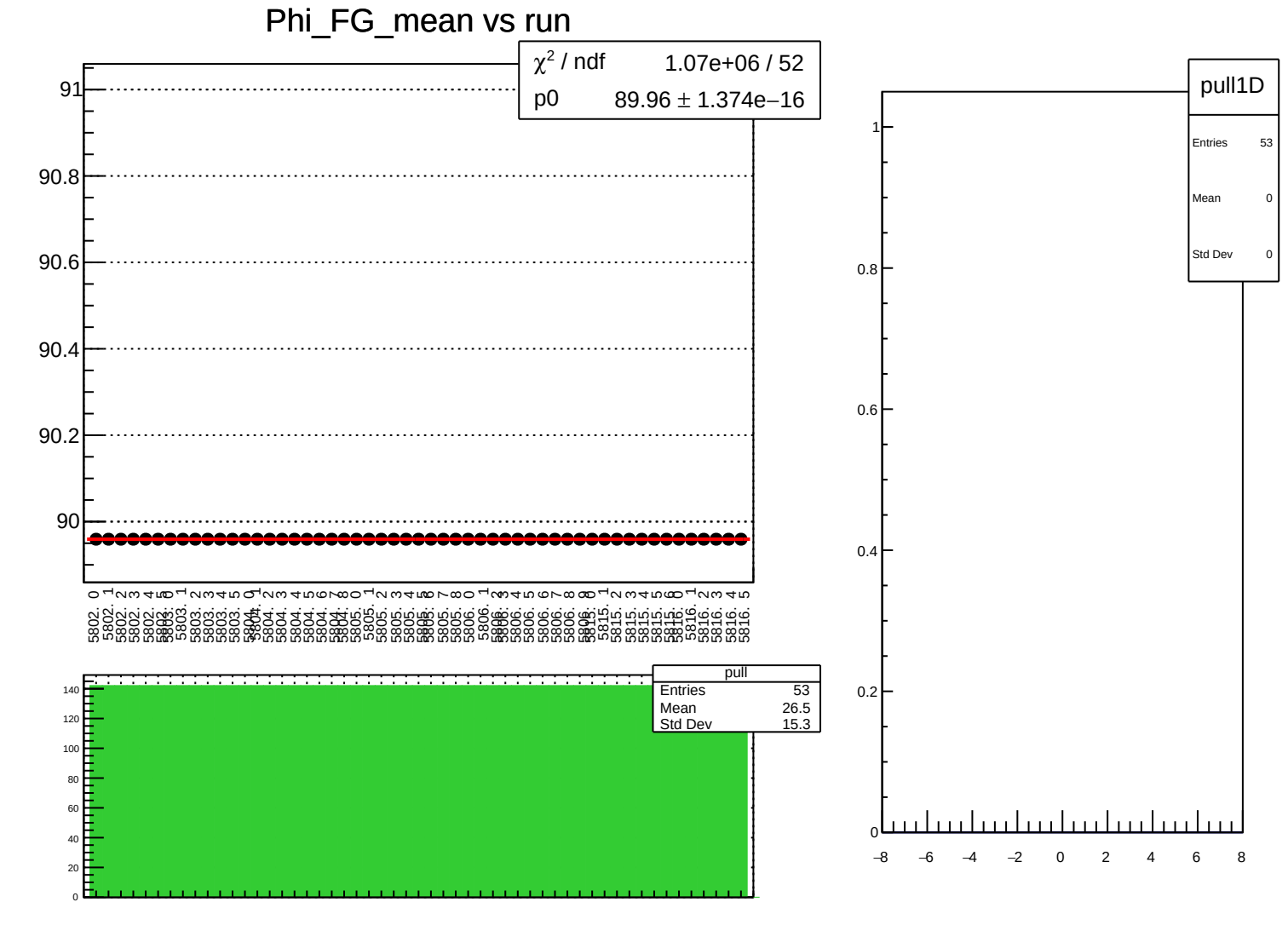

VWienAngle_mean vs run
χ² / ndf 1.07e+04 / 52
p0 88 ± 1.374e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 53
Mean 26.5
Std Dev 15.3
14
12
10
8
6
4
2
0

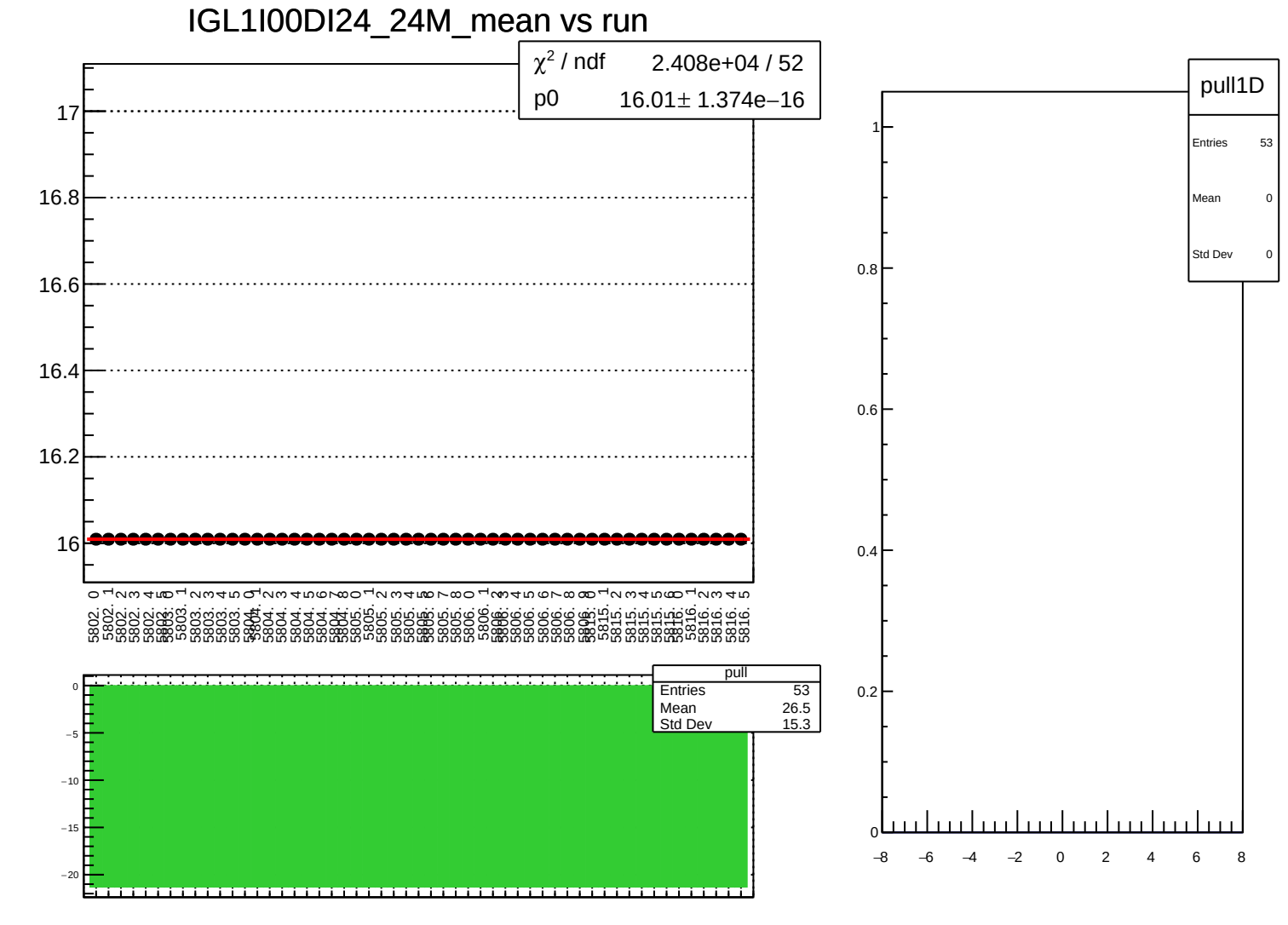

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

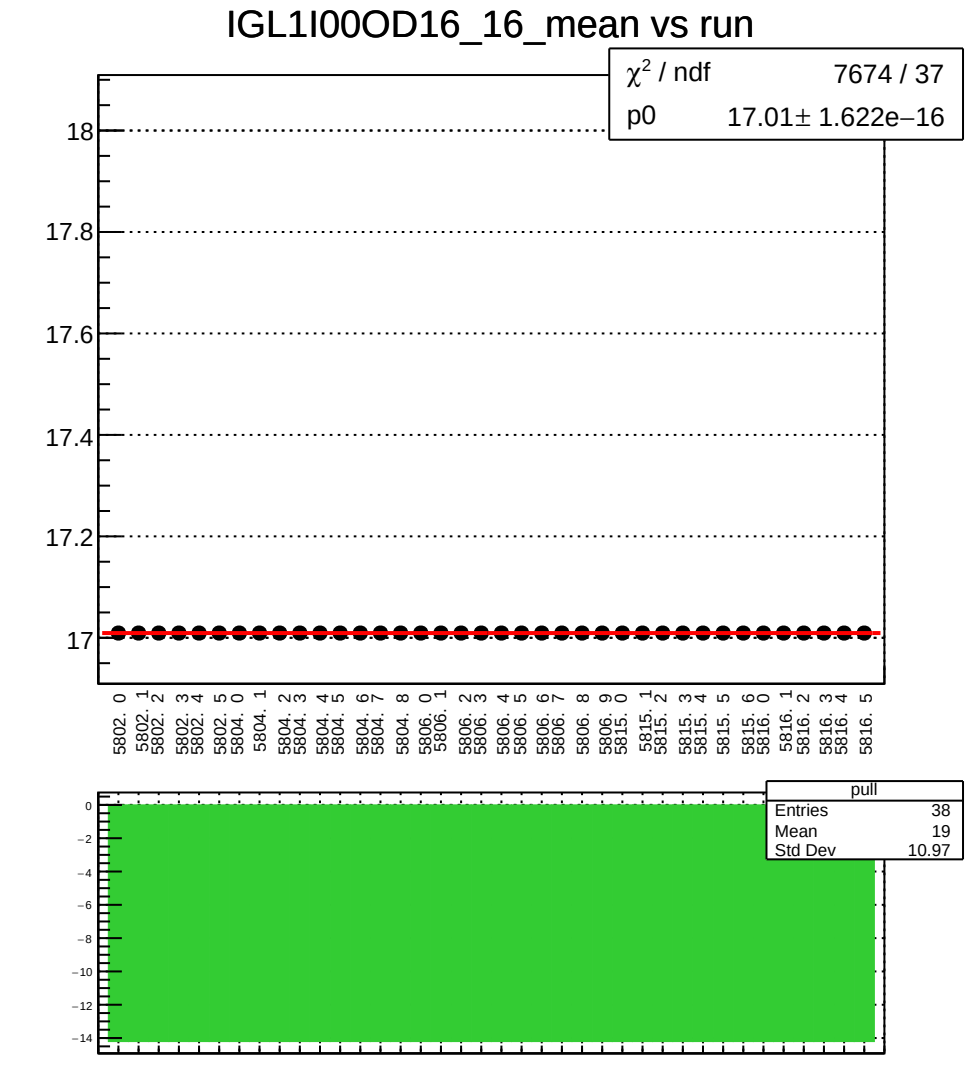

HWienAngle_mean vs run
χ² / ndf 4.281e+04 / 52
p0 −29.64 ± 1.374e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 53
Mean 26.5
Std Dev 15.3
0
−5
−10
−15
−20
−25

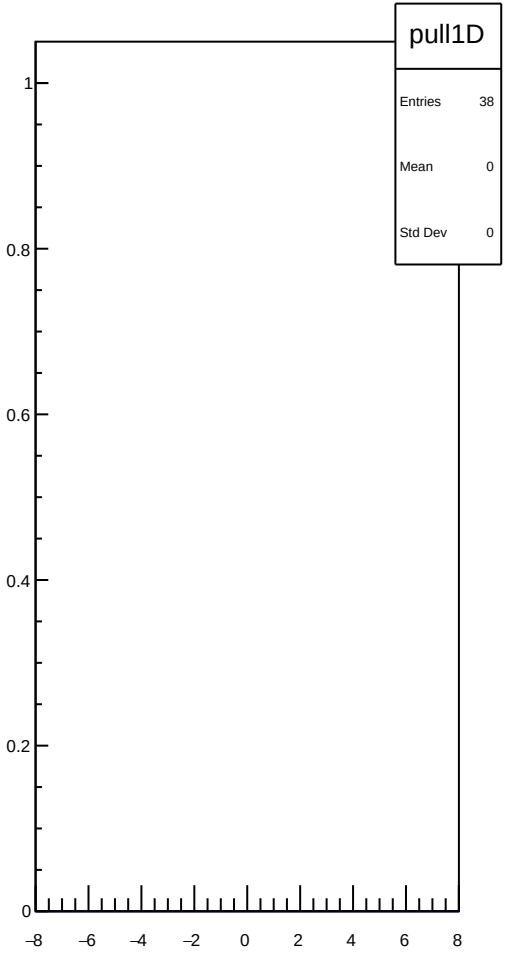

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

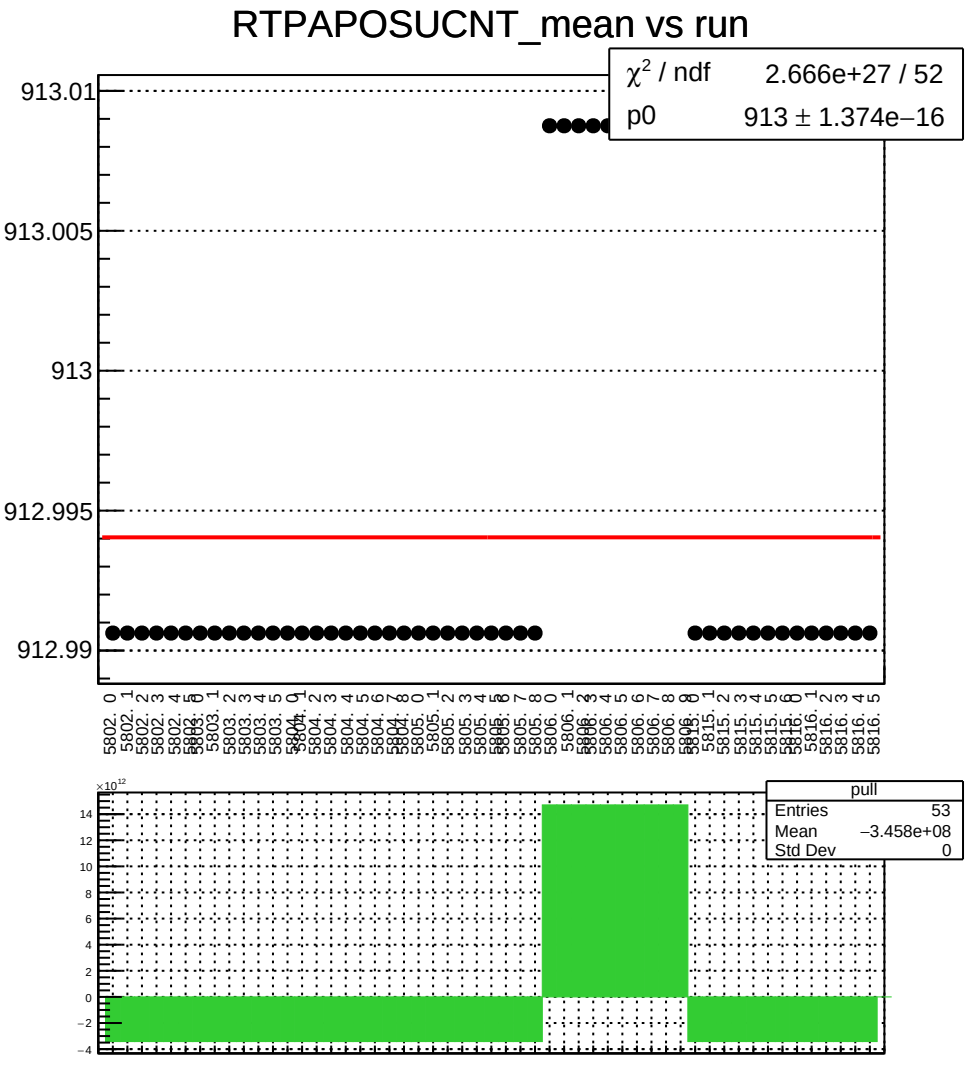

psub_pl_pos_mean vs run
χ² / ndf 4.384e+07 / 52
p0 1468 ± 1.374e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 53
Mean 26.5
Std Dev 15.3
0
−200
−400
−600
−800
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

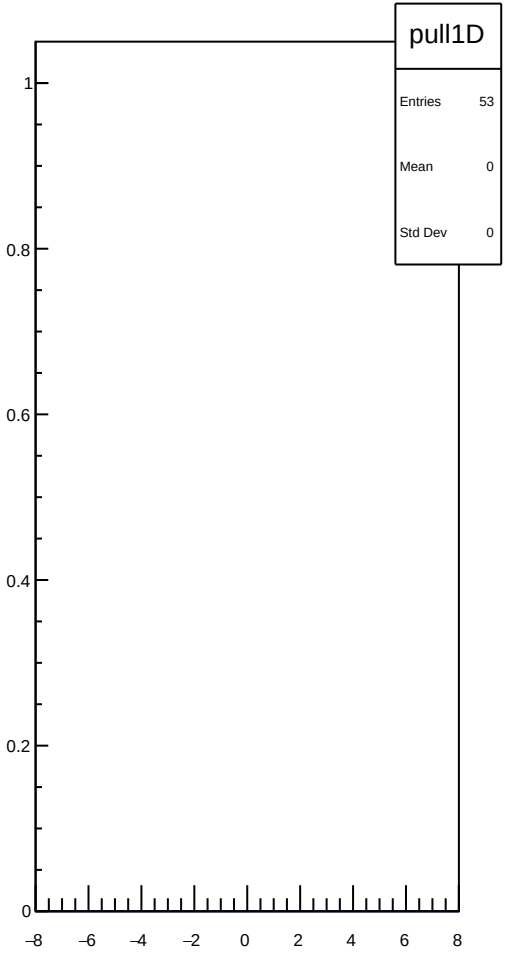

Phi_FG_mean vs run
χ² / ndf 1.07e+06 / 52
p0 89.96 ± 1.374e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 53
Mean 26.5
Std Dev 15.3
140
120
100
80
60
40
20
0
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

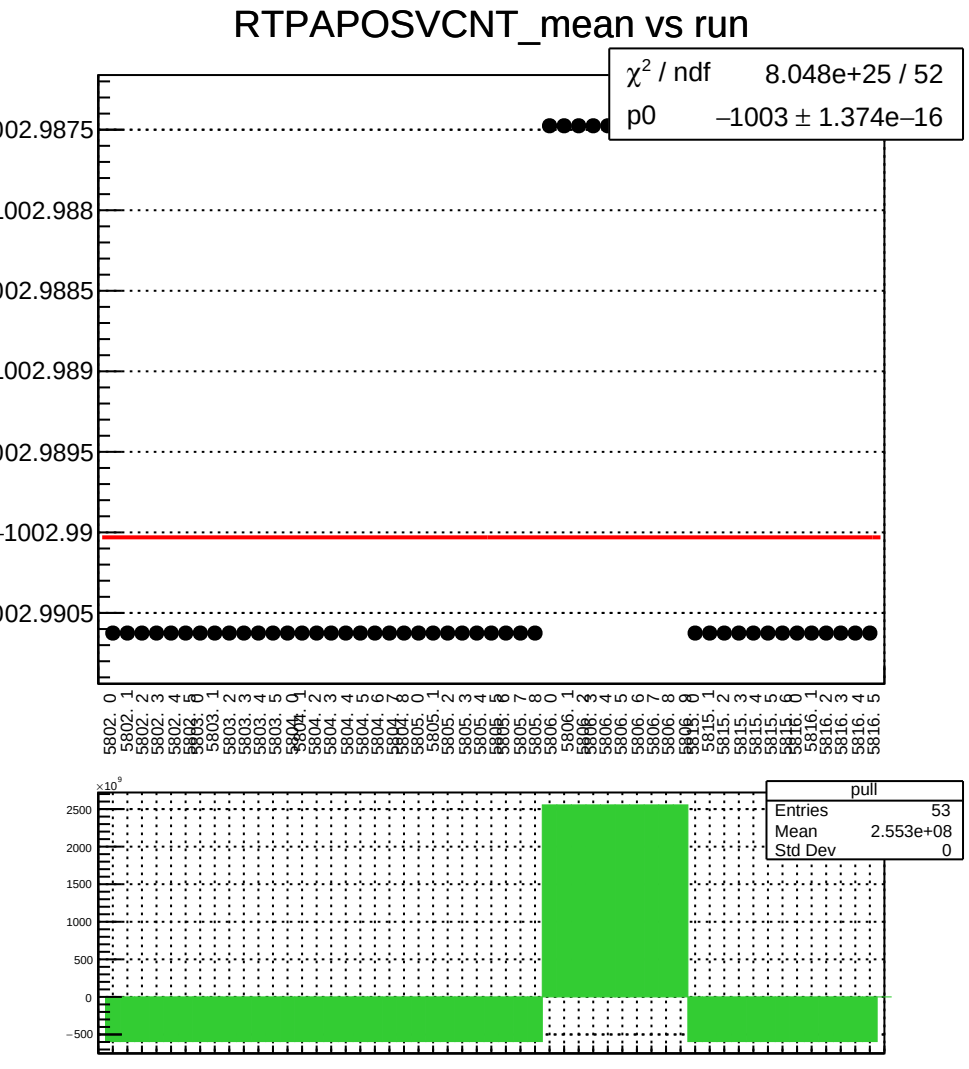

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.408e+04 / 52
p0 16.01± 1.374e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 53
Mean 26.5
Std Dev 15.3
0
−5
−10
−15
−20
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

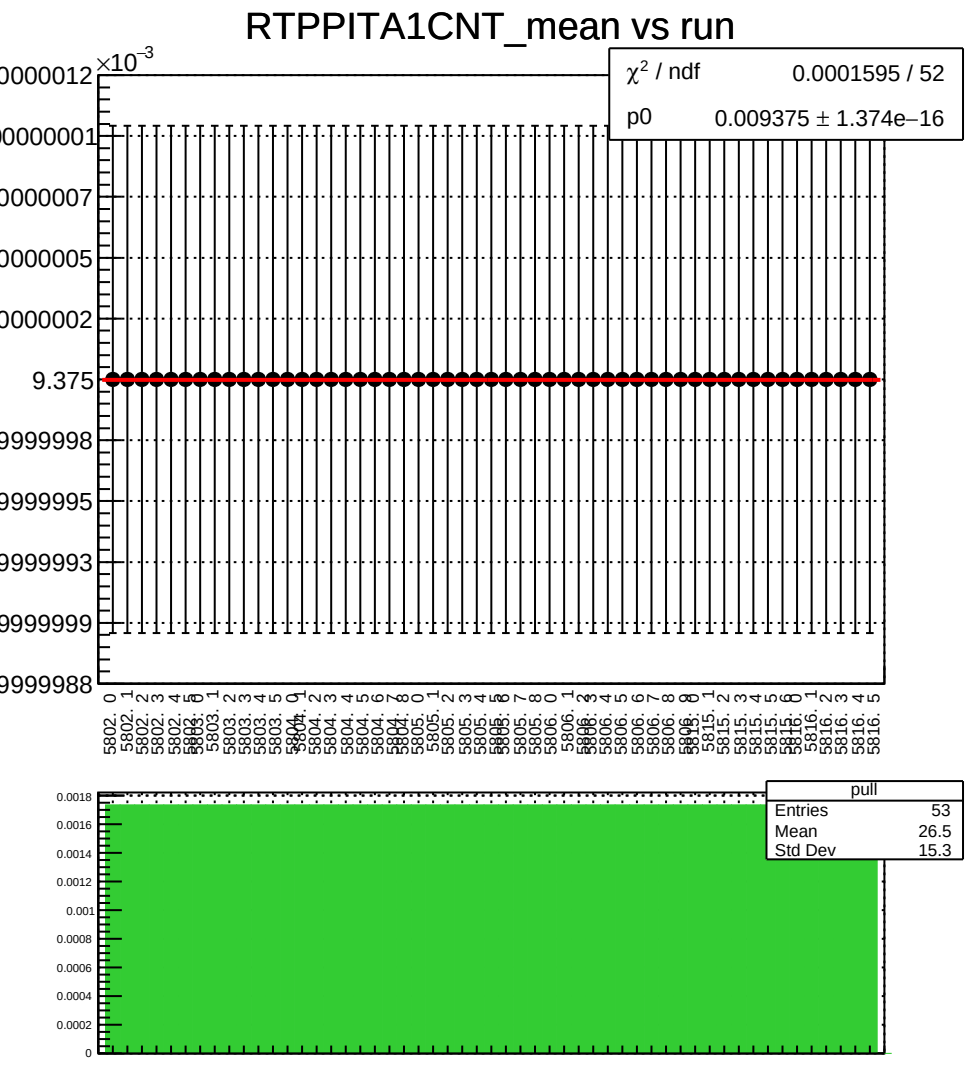

IGL1I00OD16_16_mean vs run
χ² / ndf 7674 / 37
p0 17.01± 1.622e−16
18
17.8
17.6
17.4
17.2
17
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5802. 5
5804. 0
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5804. 7
5804. 8
5806. 0
5806. 1
5806. 2
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5806. 9
5815. 0
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5815. 6
5816. 0
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
pull
Entries 38
Mean 19
Std Dev 10.97
0
−2
−4
−6
−8
−10
−12
−14

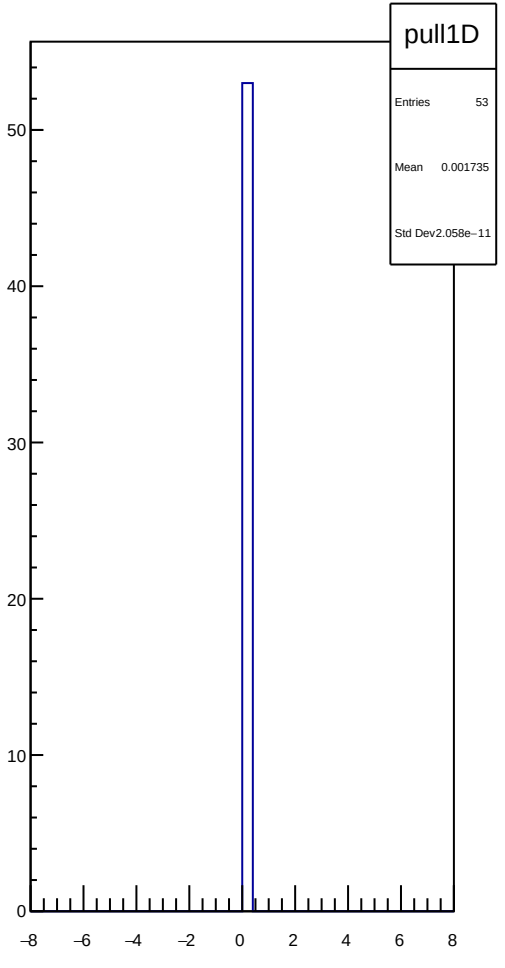

pull1D
Entries 38
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

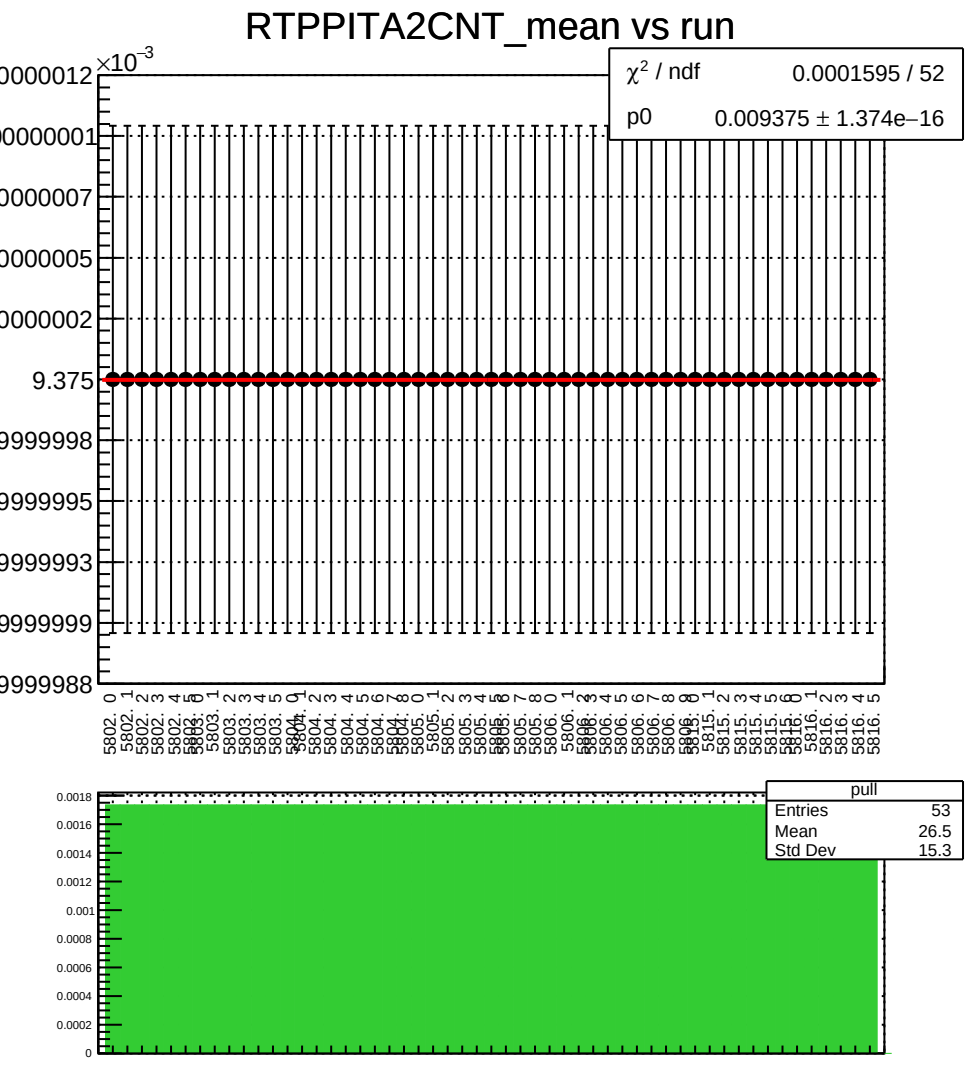

RTPAPOSUCNT_mean vs run
χ² / ndf 2.666e+27 / 52
p0 913 ± 1.374e−16
913.01
913.005
913
912.995
912.99
pull
Entries 53
Mean −3.458e+08
Std Dev 0
×10¹²

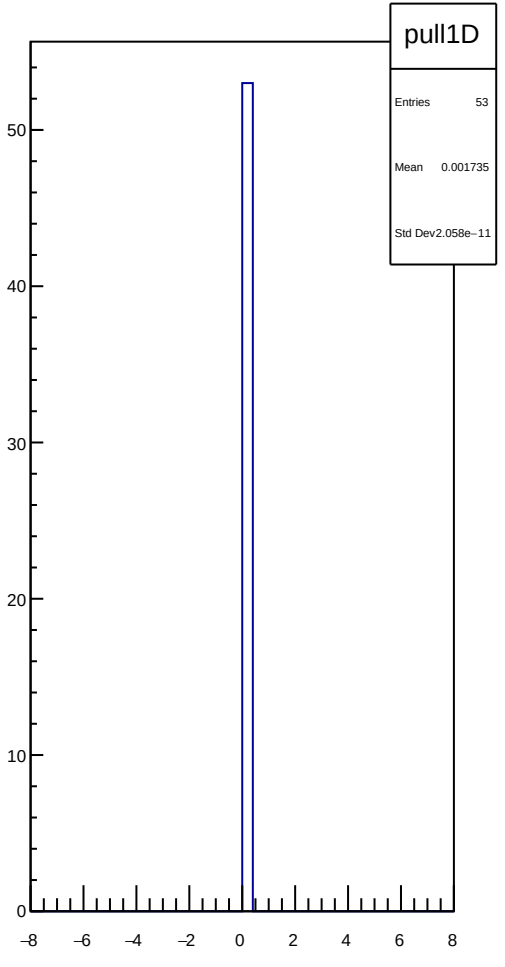

pull1D
Entries 53
Mean 0
Std Dev 0


RTPAPOSVCNT_mean vs run
χ² / ndf 8.048e+25 / 52
p0 −1003 ± 1.374e−16
002.9875
1002.988
002.9885
1002.989
002.9895
-1002.99
002.9905
5802. 0
5802. 1
5802. 2
5802. 3
5802. 4
5803. 1
5803. 2
5803. 3
5803. 4
5803. 5
5804. 1
5804. 2
5804. 3
5804. 4
5804. 5
5804. 6
5805. 0
5805. 1
5805. 2
5805. 3
5805. 4
5805. 6
5805. 7
5805. 8
5806. 0
5806. 1
5806. 3
5806. 4
5806. 5
5806. 6
5806. 7
5806. 8
5815. 1
5815. 2
5815. 3
5815. 4
5815. 5
5816. 1
5816. 2
5816. 3
5816. 4
5816. 5
×10⁹
2500
2000
1500
1000
500
0
−500
pull
Entries 53
Mean 2.553e+08
Std Dev 0
pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
×10⁻³
9.375
pull
Entries 53
Mean 26.5
Std Dev 15.3


pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11


RTPPITA2CNT_mean vs run
χ² / ndf 0.0001595 / 52
p0 0.009375 ± 1.374e−16
×10⁻³
pull
Entries 53
Mean 26.5
Std Dev 15.3


pull1D
Entries 53
Mean 0.001735
Std Dev2.058e−11