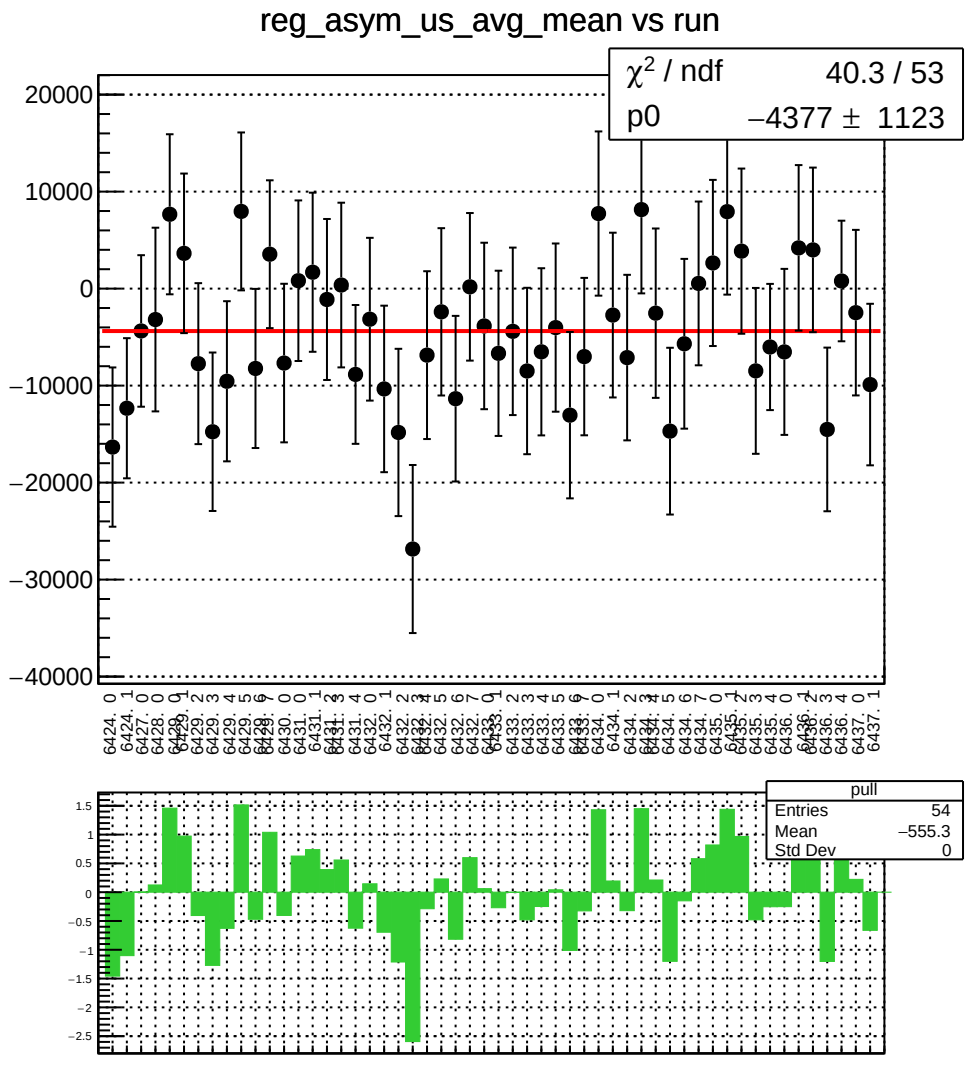
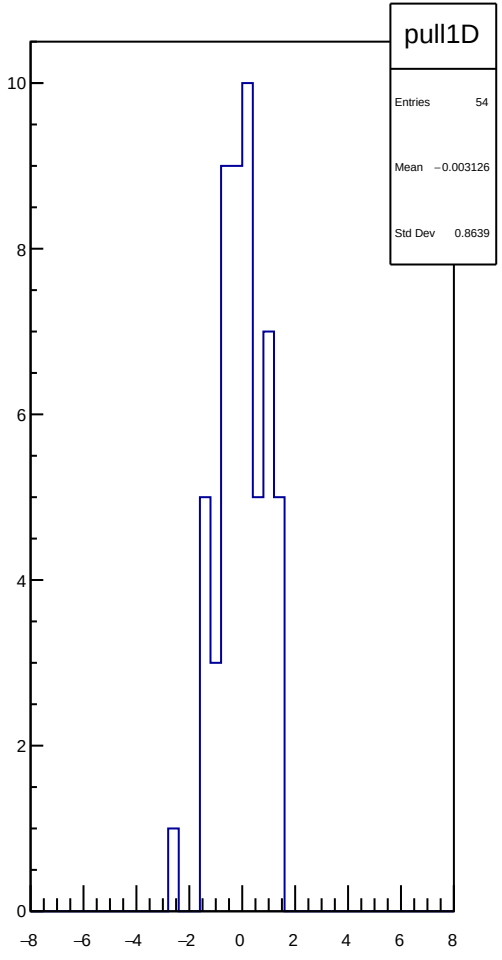
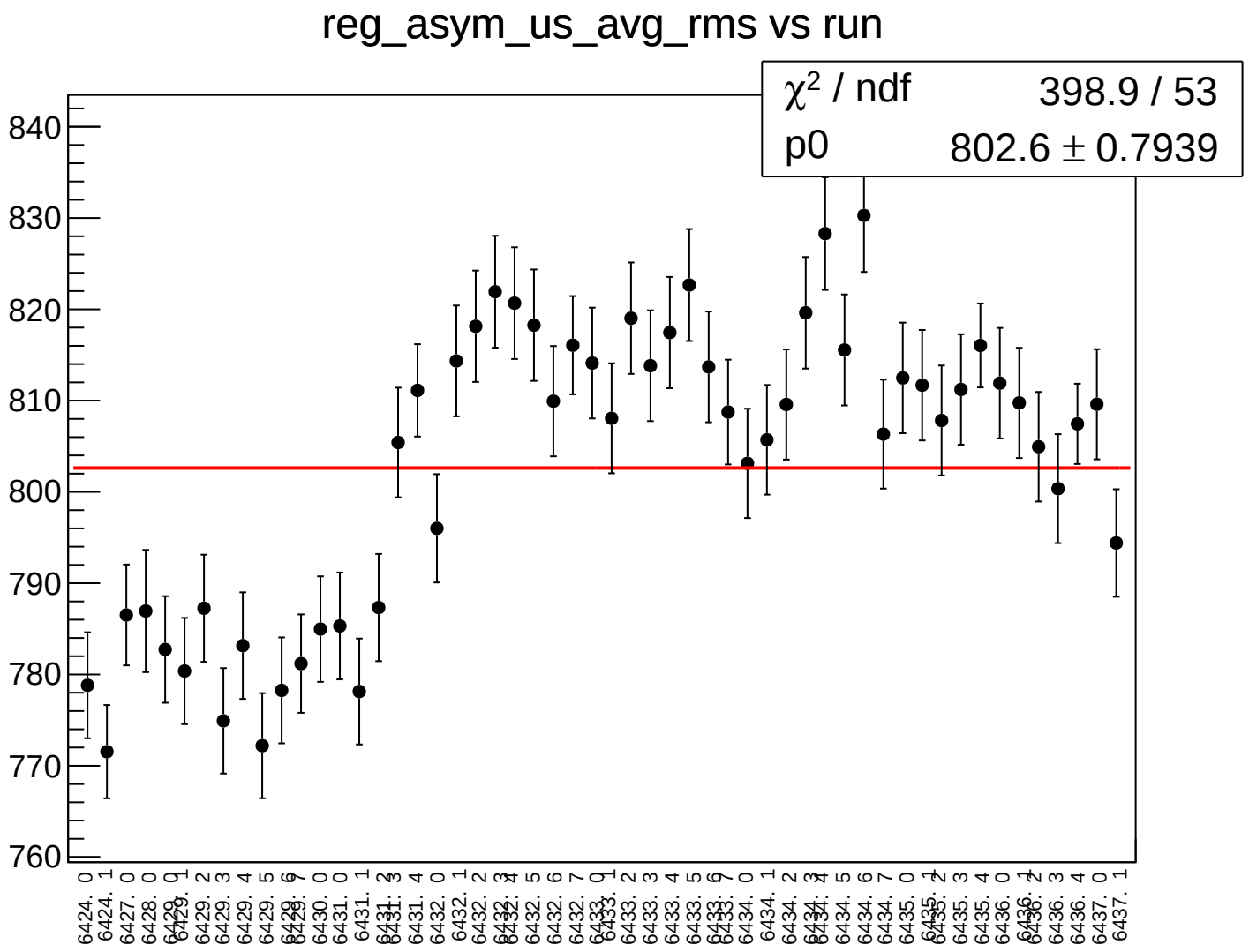
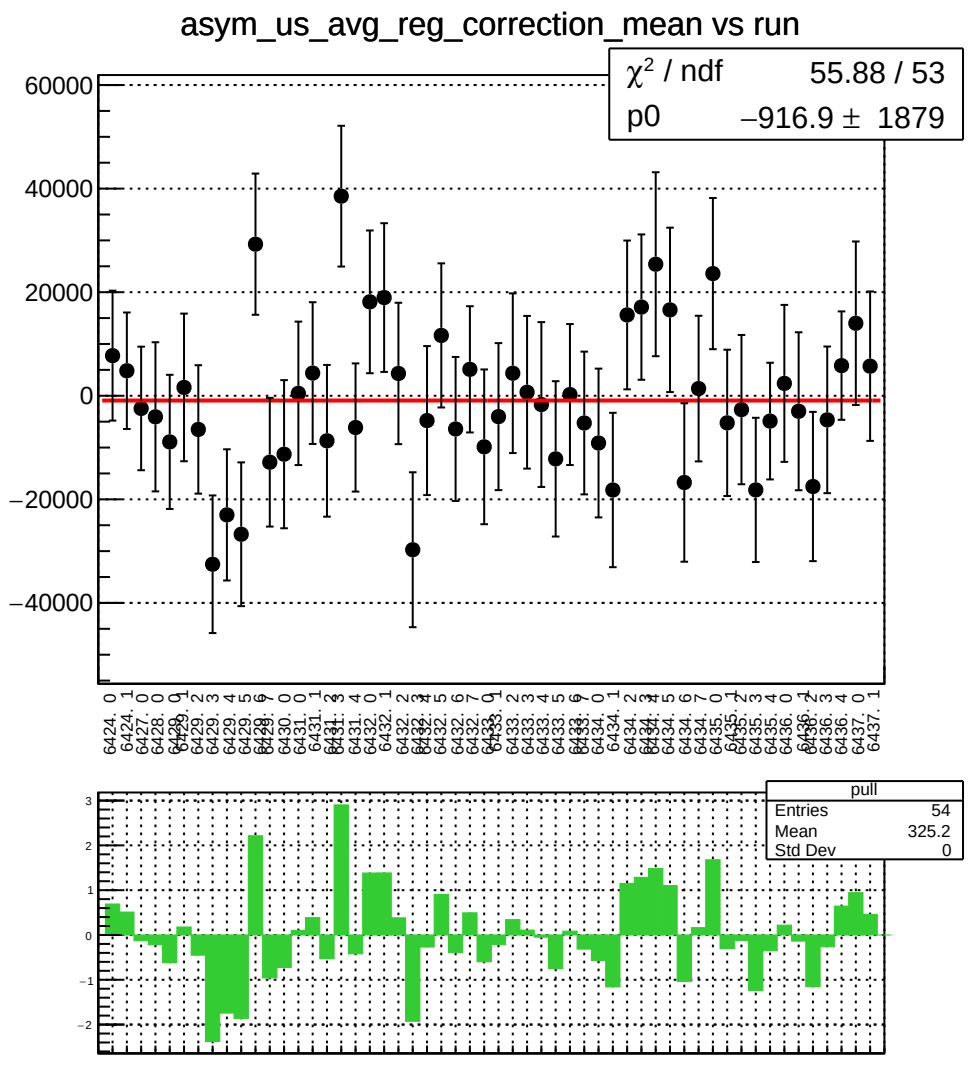
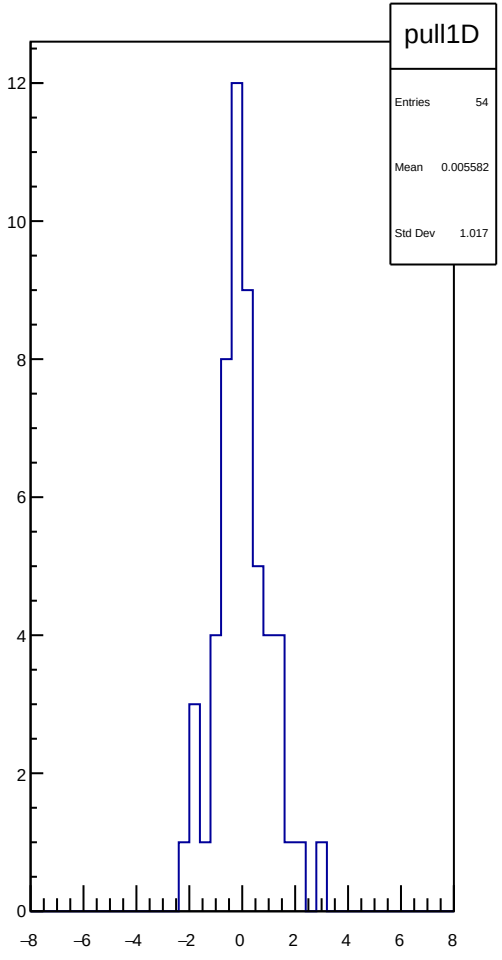
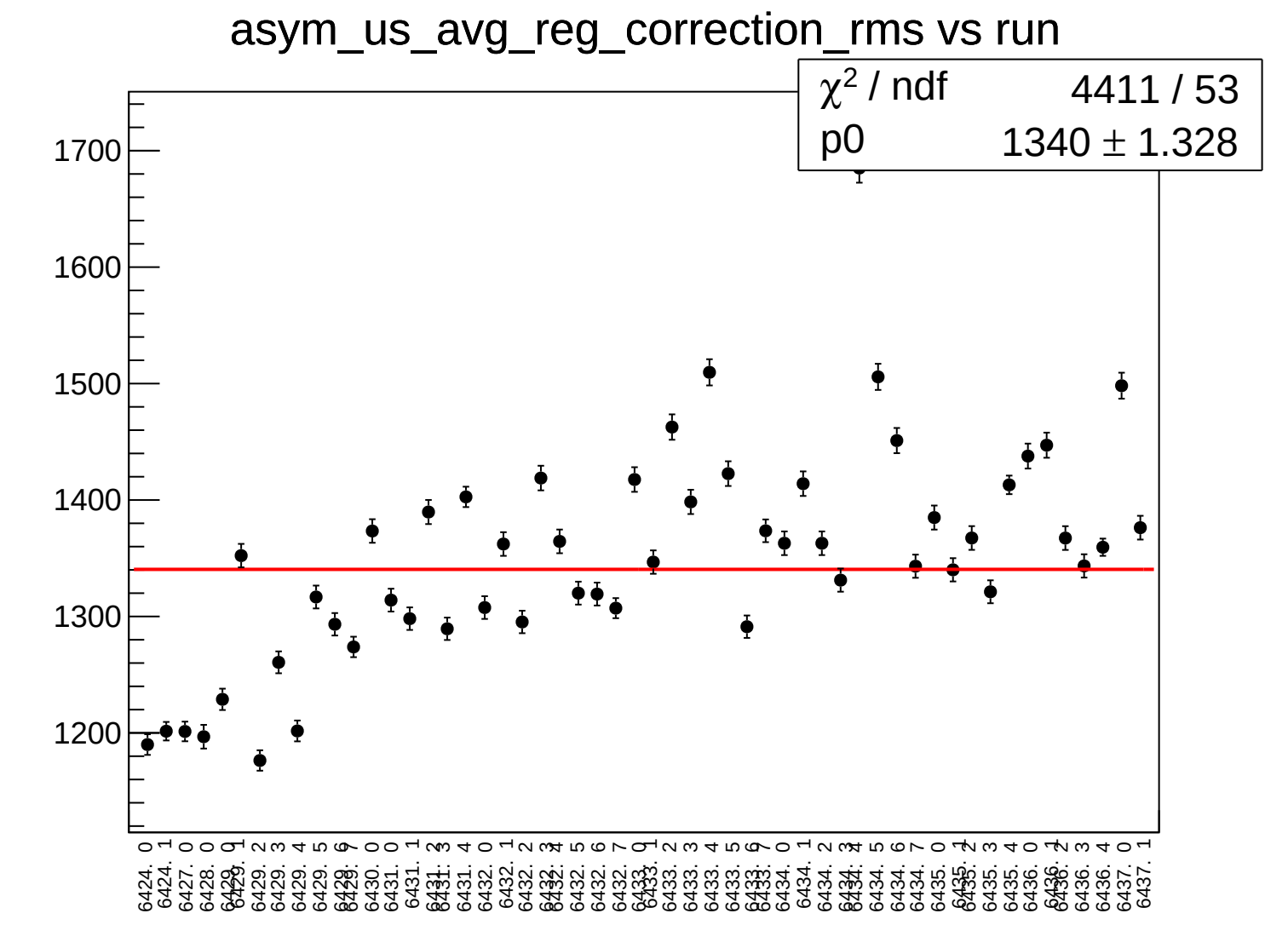

reg_asym_us_avg_mean vs run
χ² / ndf 40.3 / 53
p0 −4377 ± 1123
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −555.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

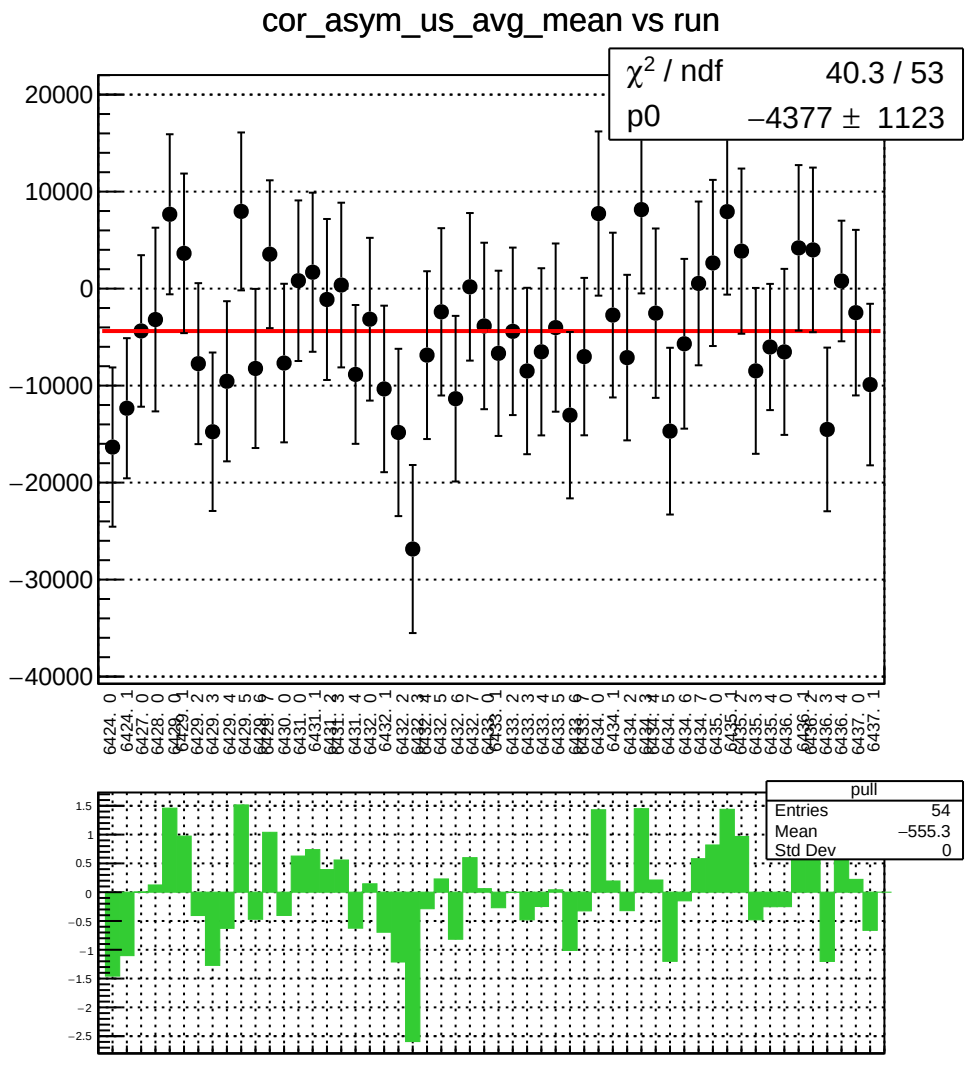

pull1D
Entries 54
Mean −0.003126
Std Dev 0.8639
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

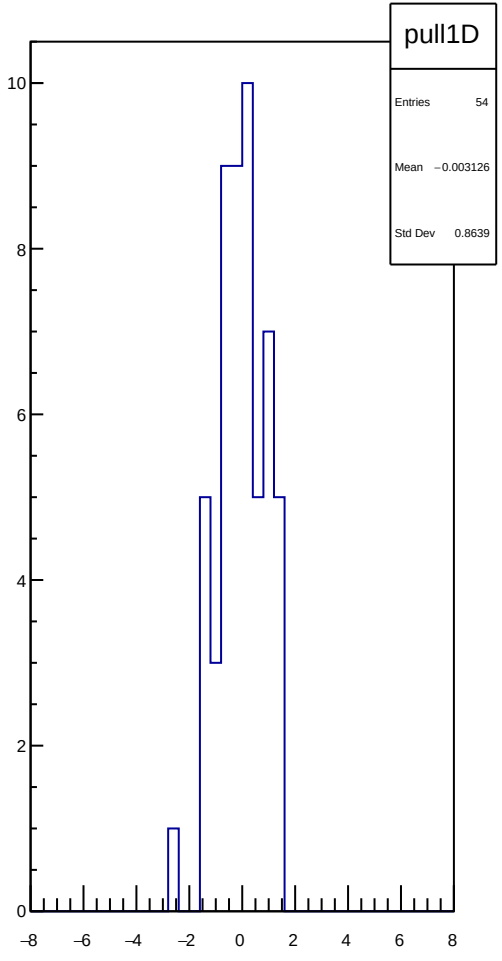

reg_asym_us_avg_rms vs run
χ^2 / ndf 398.9 / 53
p0 802.6 ± 0.7939
840
830
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

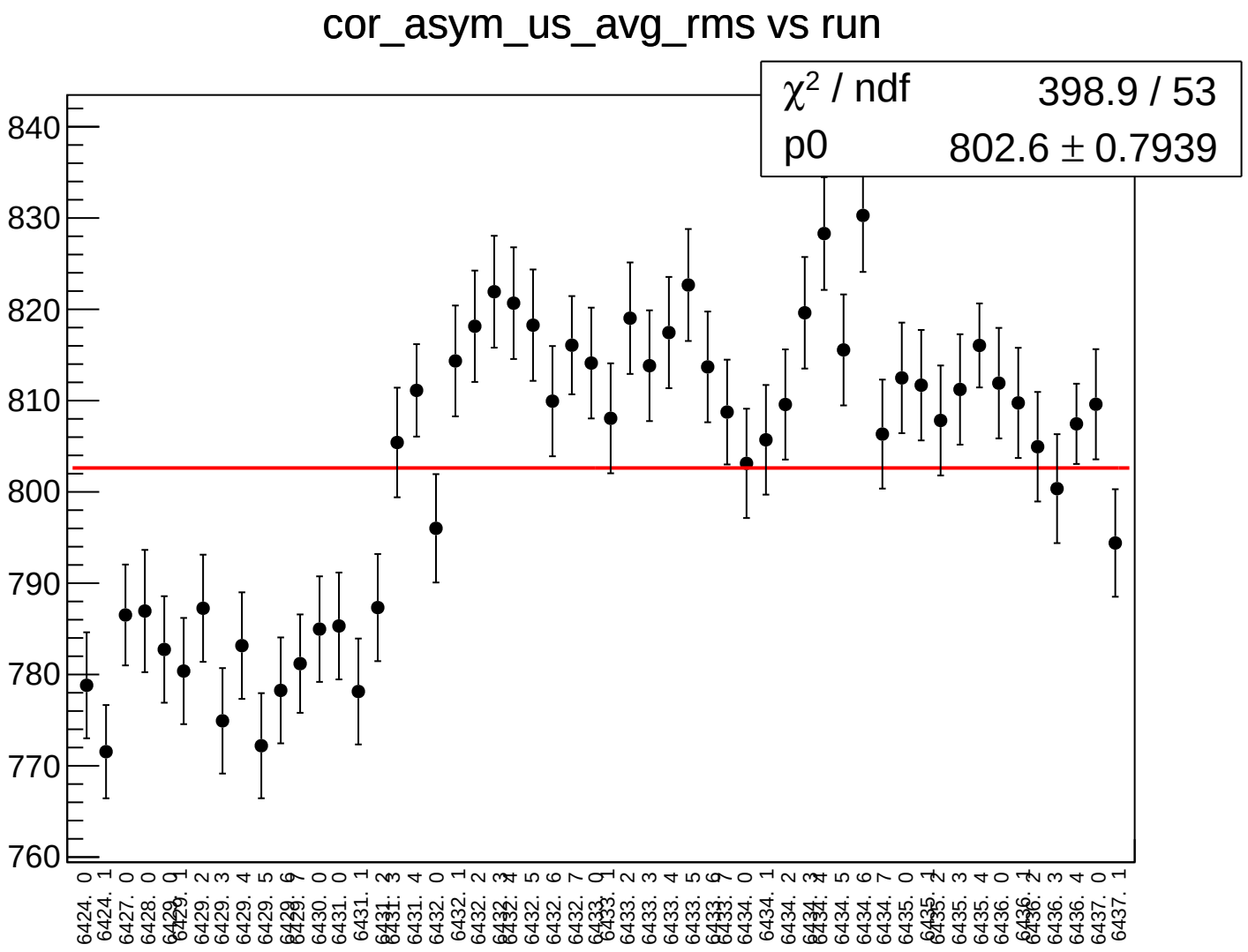

asym_us_avg_reg_correction_mean vs run
χ² / ndf 55.88 / 53
p0 −916.9 ± 1879
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 325.2
Std Dev 0
3
2
1
0
−1
−2

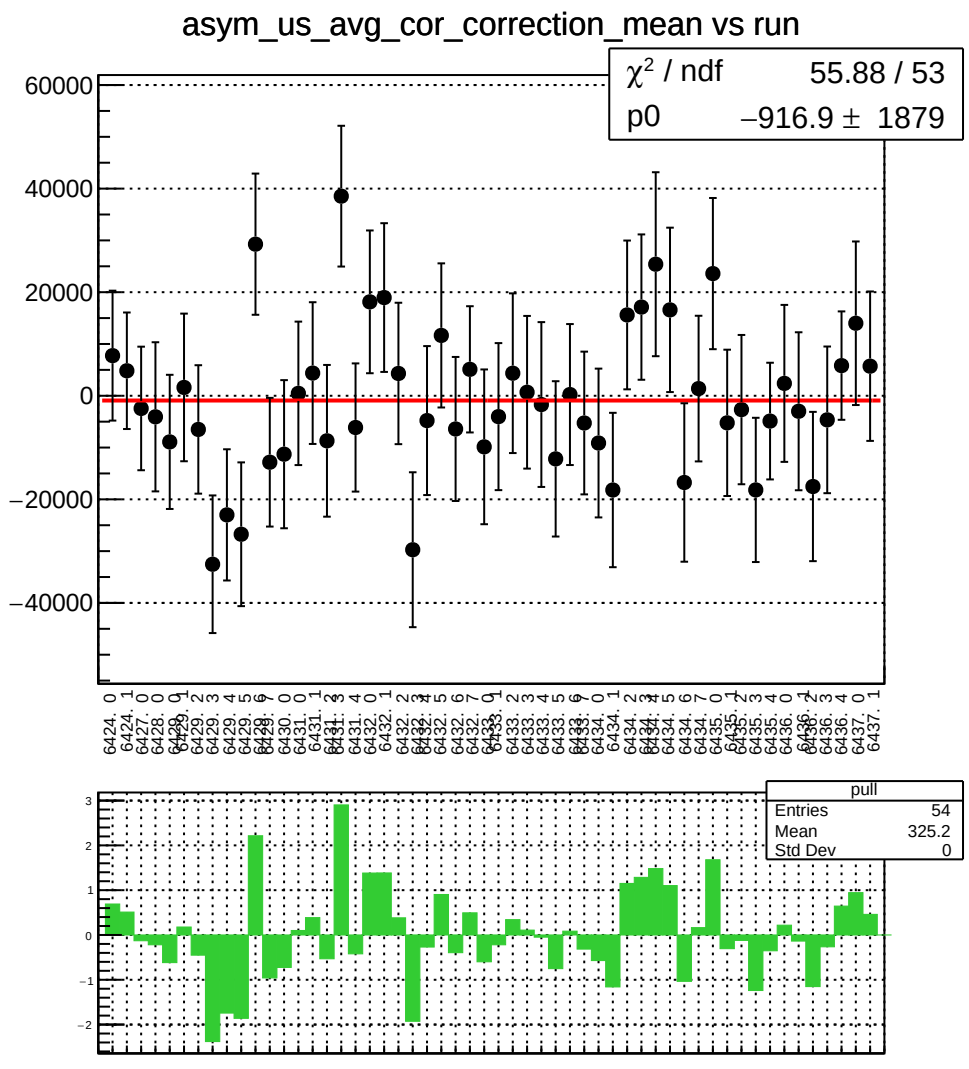

pull1D
Entries 54
Mean 0.005582
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

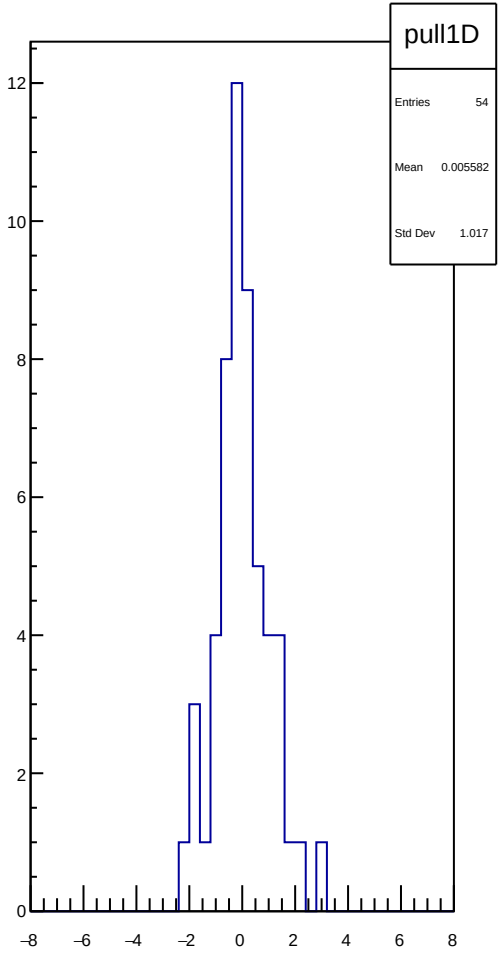

asym_us_avg_reg_correction_rms vs run
χ² / ndf 4411 / 53
p0 1340 ± 1.328
1700
1600
1500
1400
1300
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

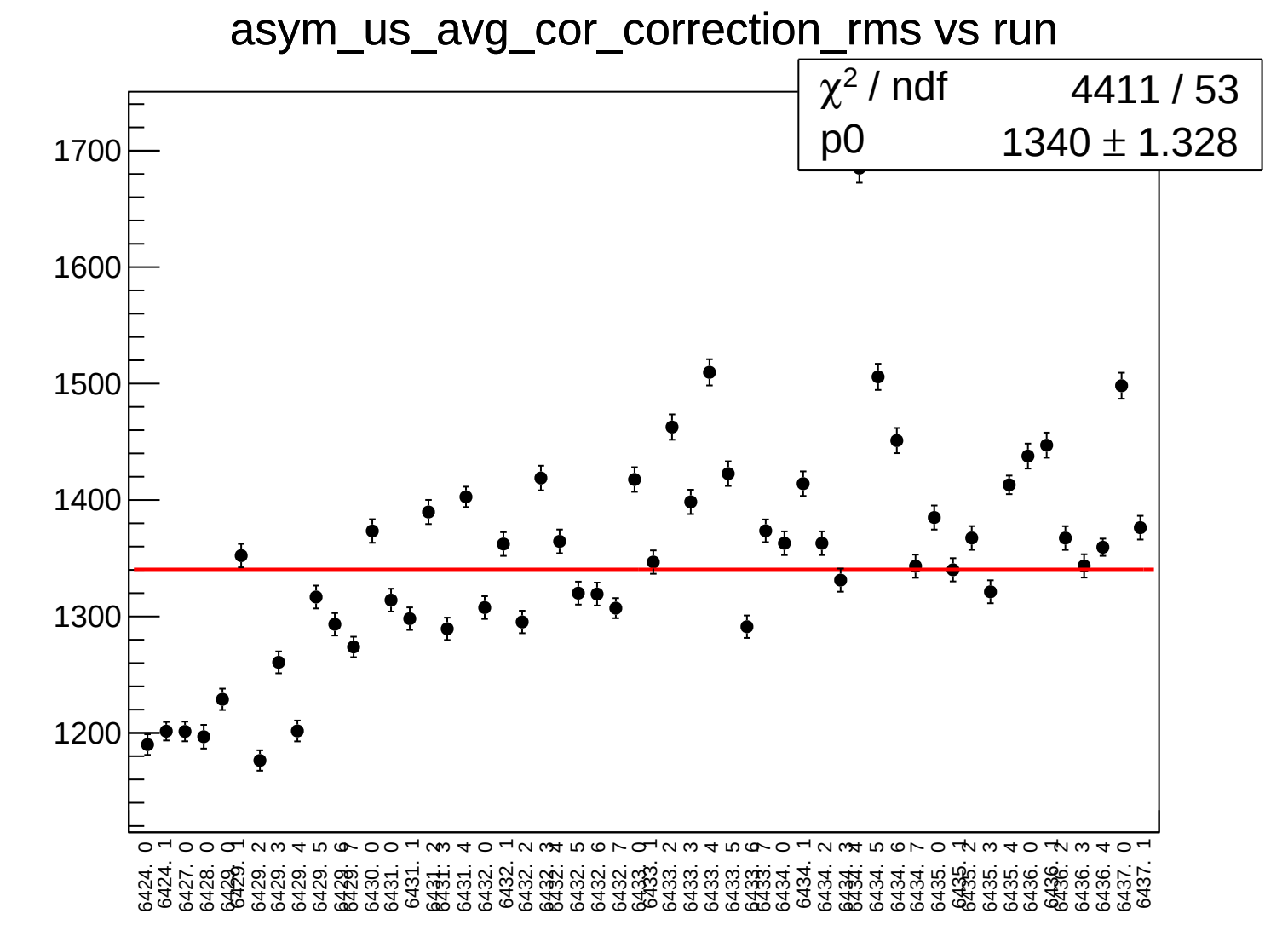

cor_asym_us_avg_mean vs run
χ² / ndf 40.3 / 53
p0 −4377 ± 1123
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −555.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

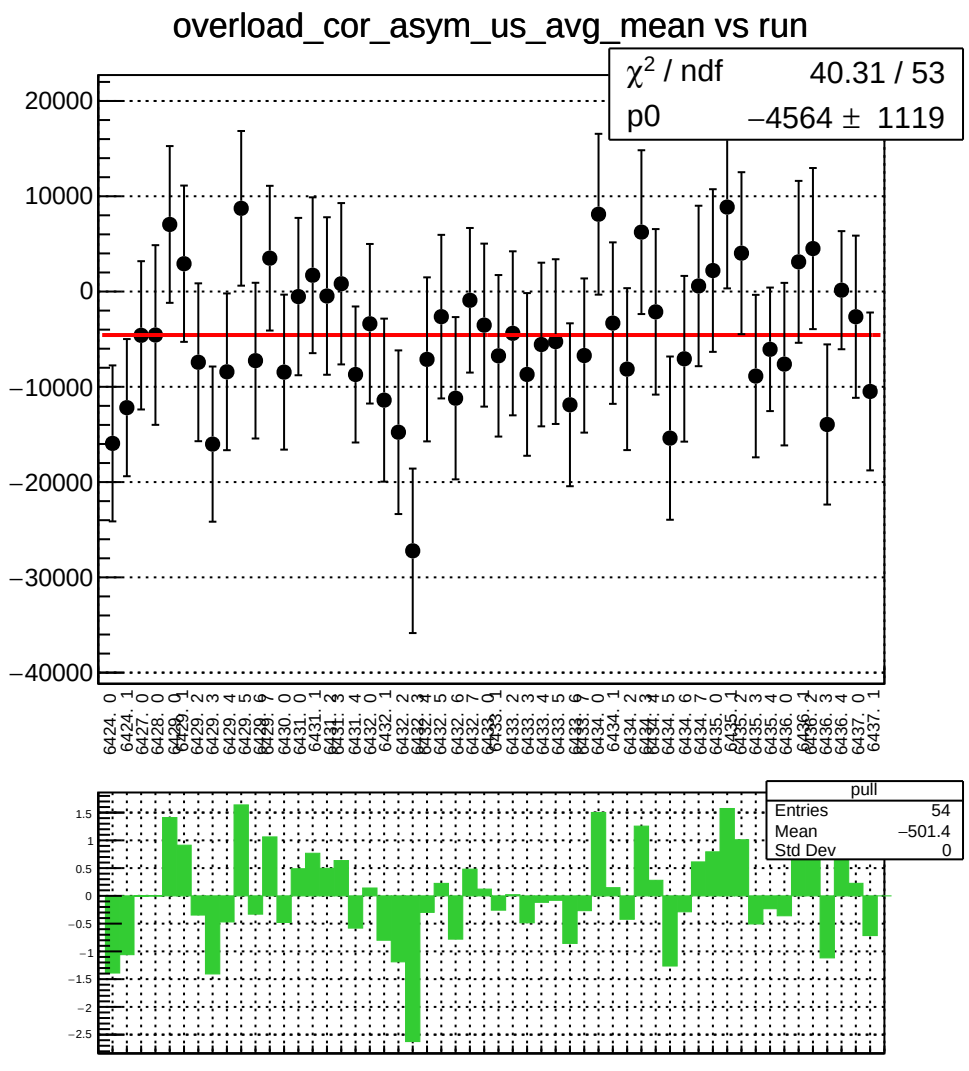

pull1D
Entries 54
Mean −0.003126
Std Dev 0.8639
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

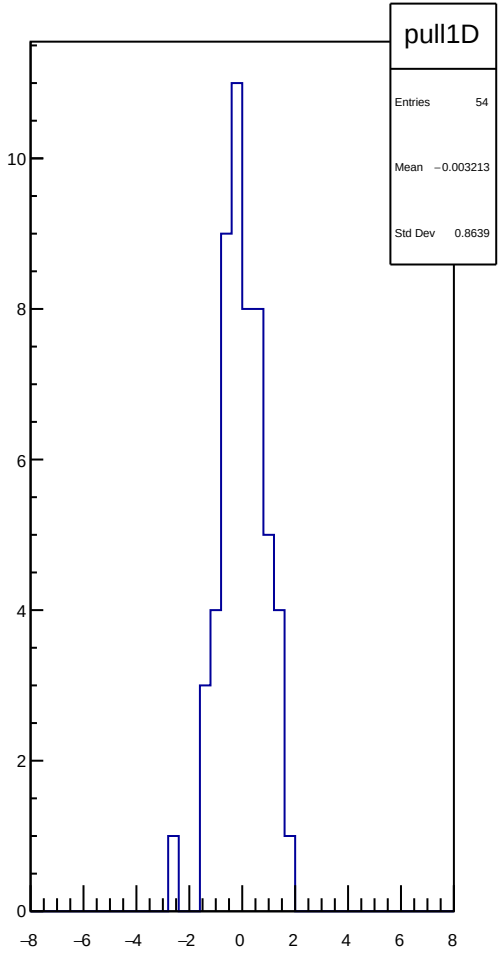

cor_asym_us_avg_rms vs run
χ² / ndf 398.9 / 53
p0 802.6 ± 0.7939
840
830
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

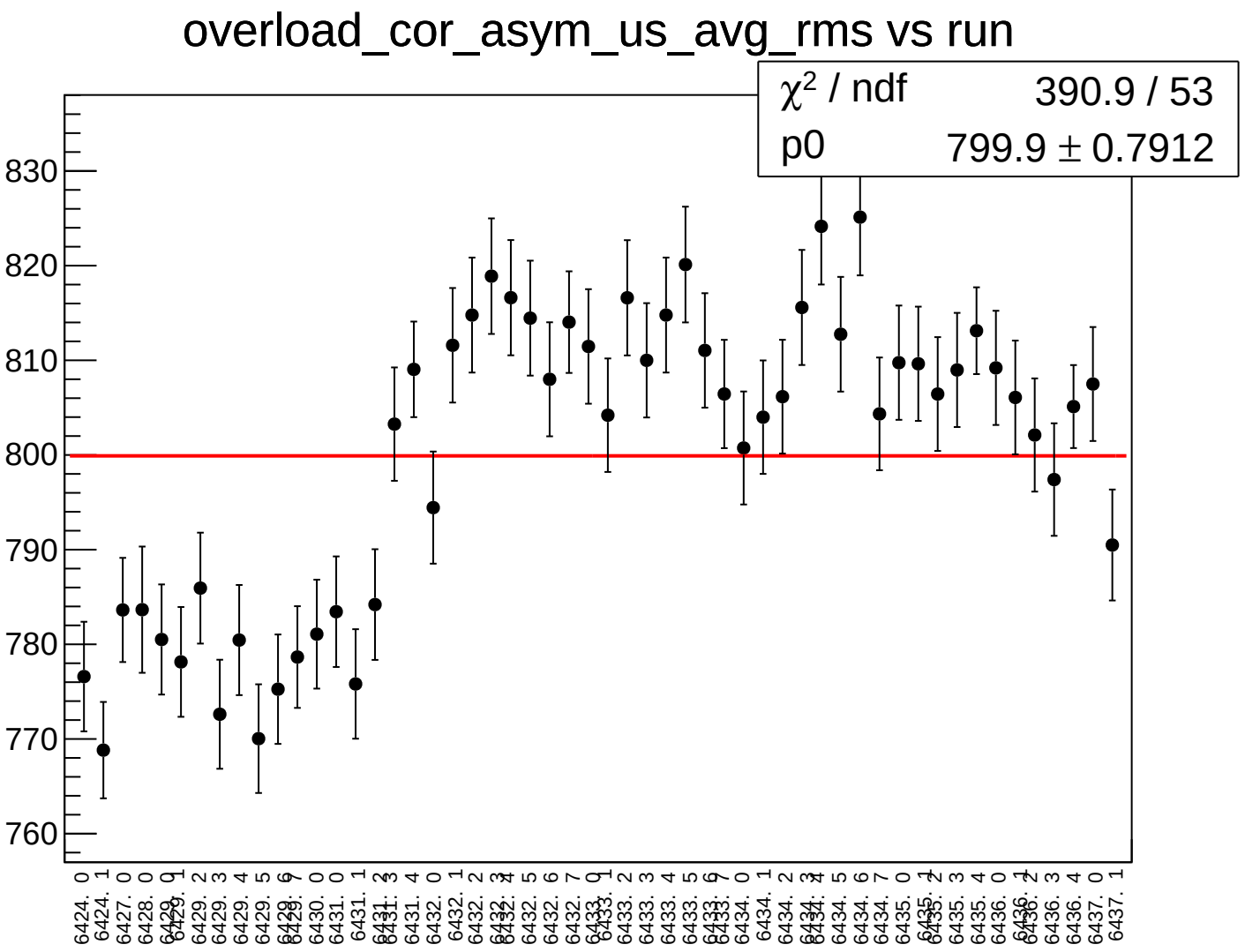

asym_us_avg_cor_correction_mean vs run
χ² / ndf 55.88 / 53
p0 −916.9 ± 1879
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 325.2
Std Dev 0
3
2
1
0
−1
−2

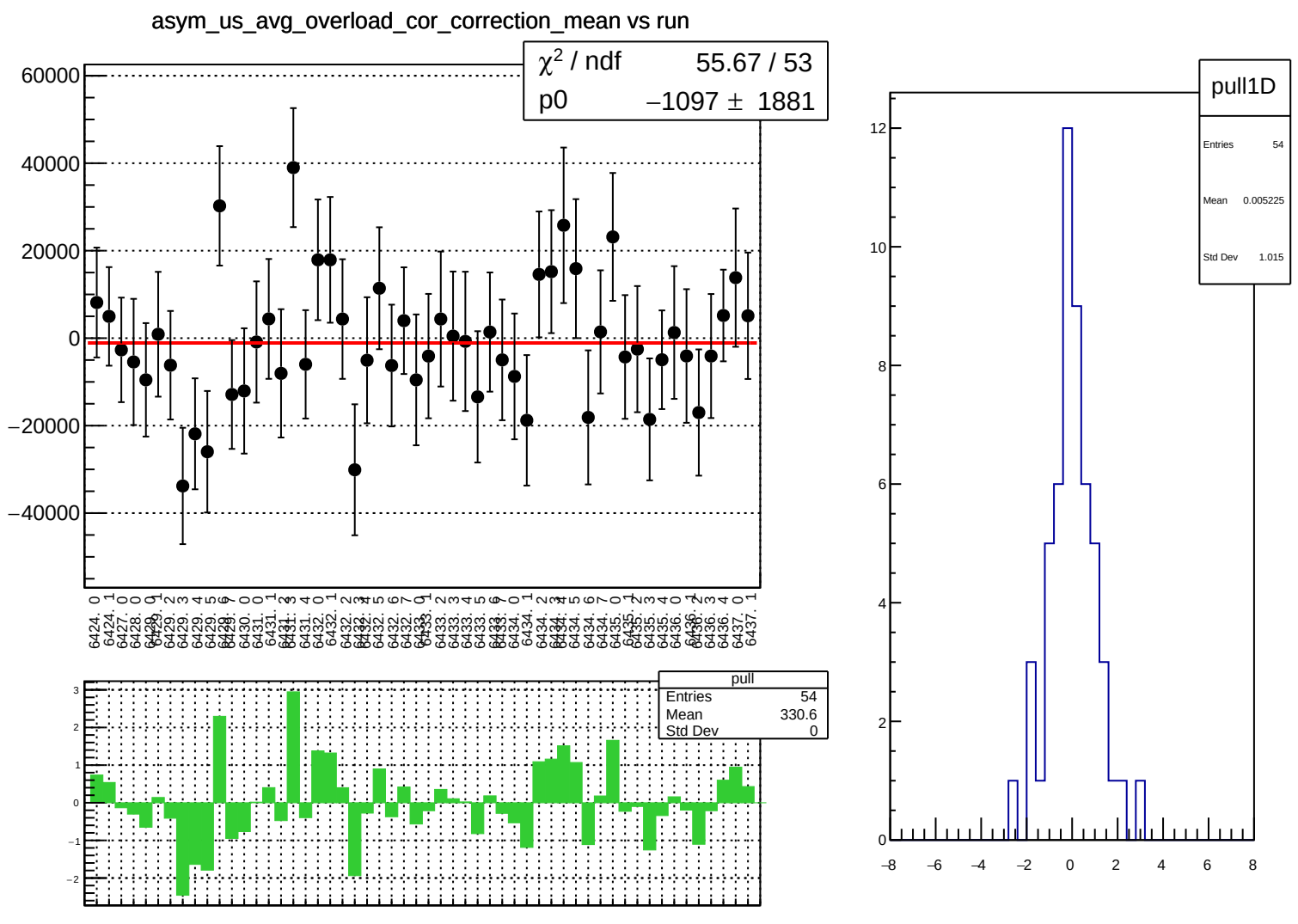

pull1D
Entries 54
Mean 0.005582
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

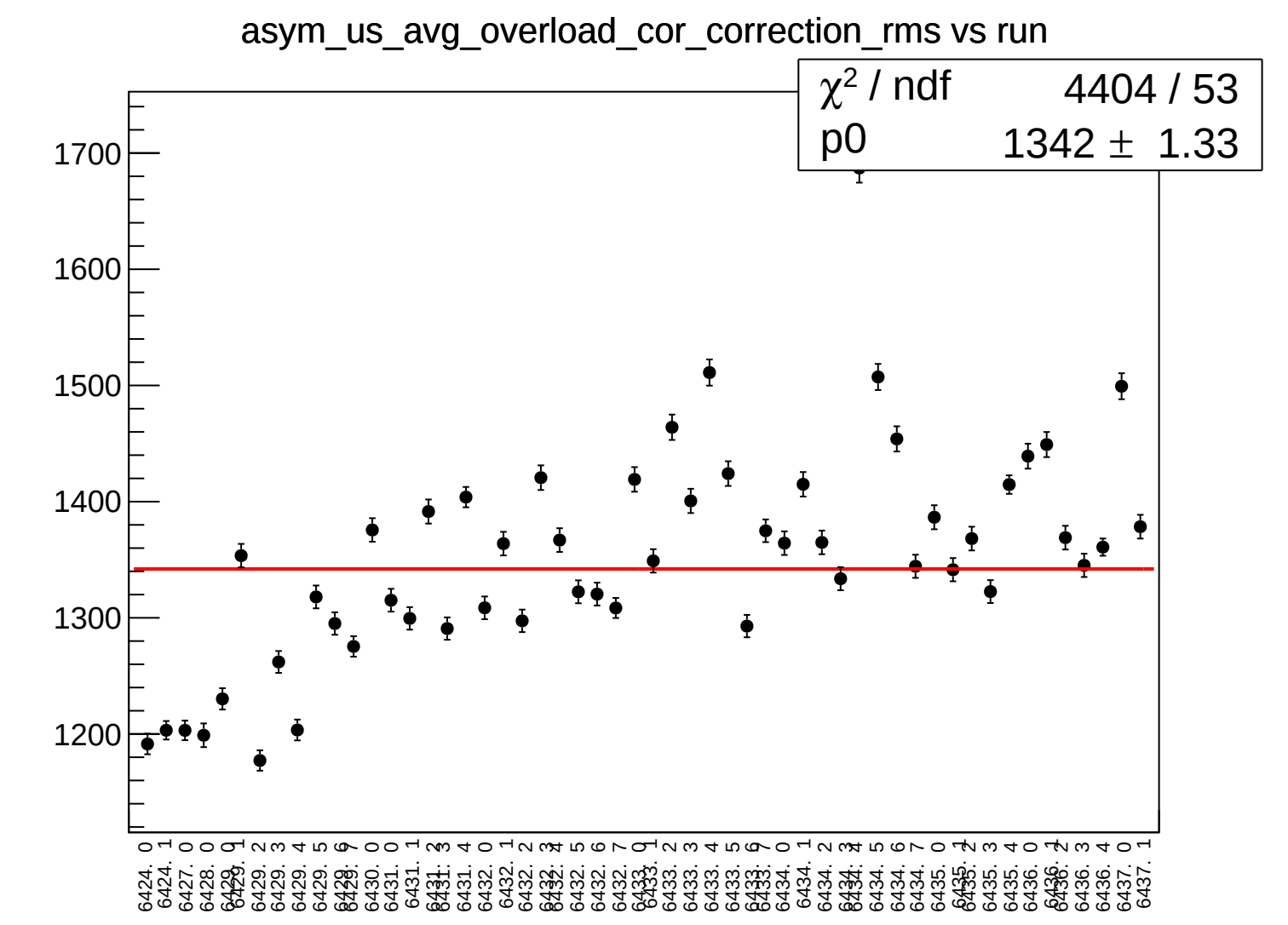

asym_us_avg_cor_correction_rms vs run
χ² / ndf 4411 / 53
p0 1340 ± 1.328
1700
1600
1500
1400
1300
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

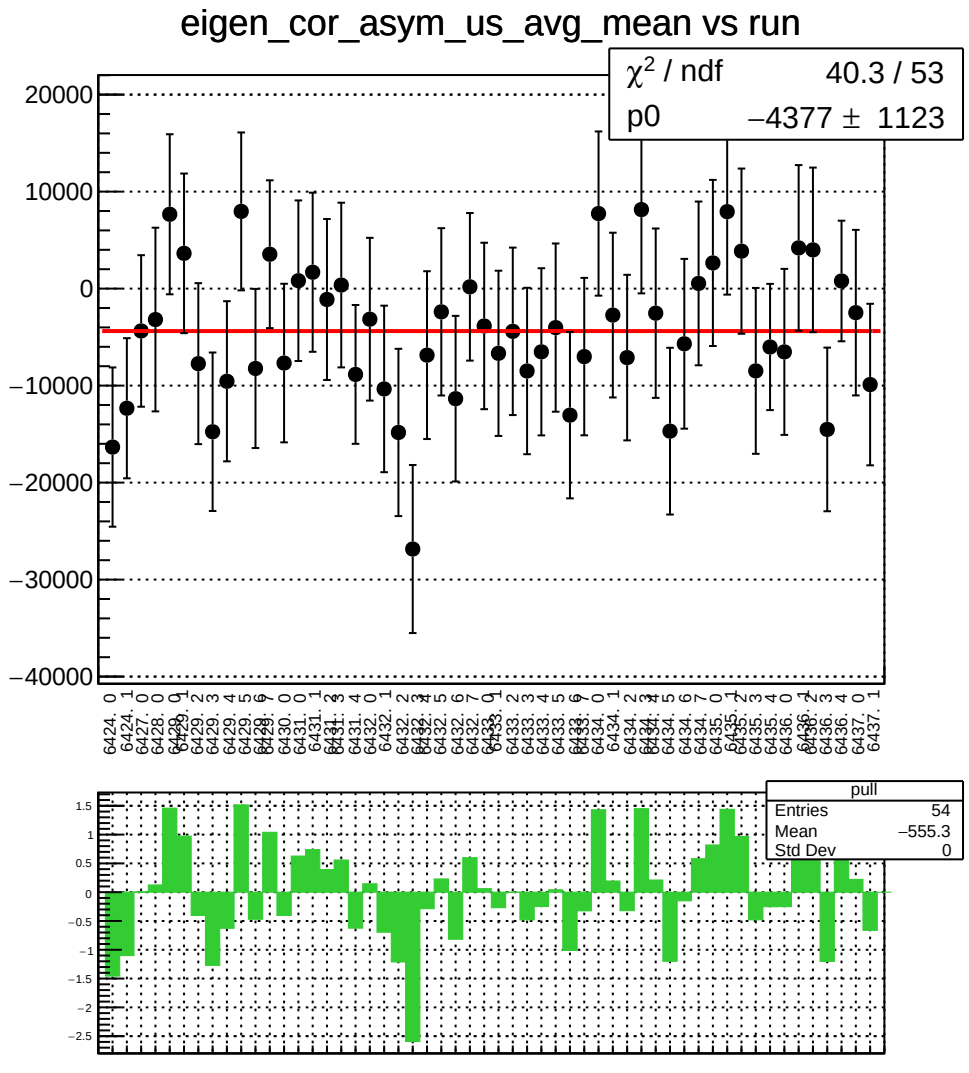

overload_cor_asym_us_avg_mean vs run
χ² / ndf 40.31 / 53
p0 −4564 ± 1119
pull
Entries 54
Mean −501.4
Std Dev 0

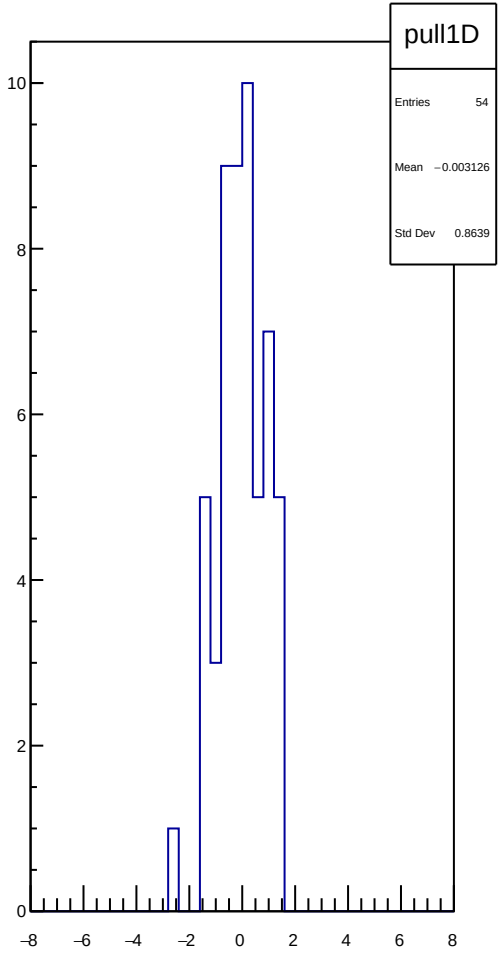

pull1D
Entries 54
Mean −0.003213
Std Dev 0.8639

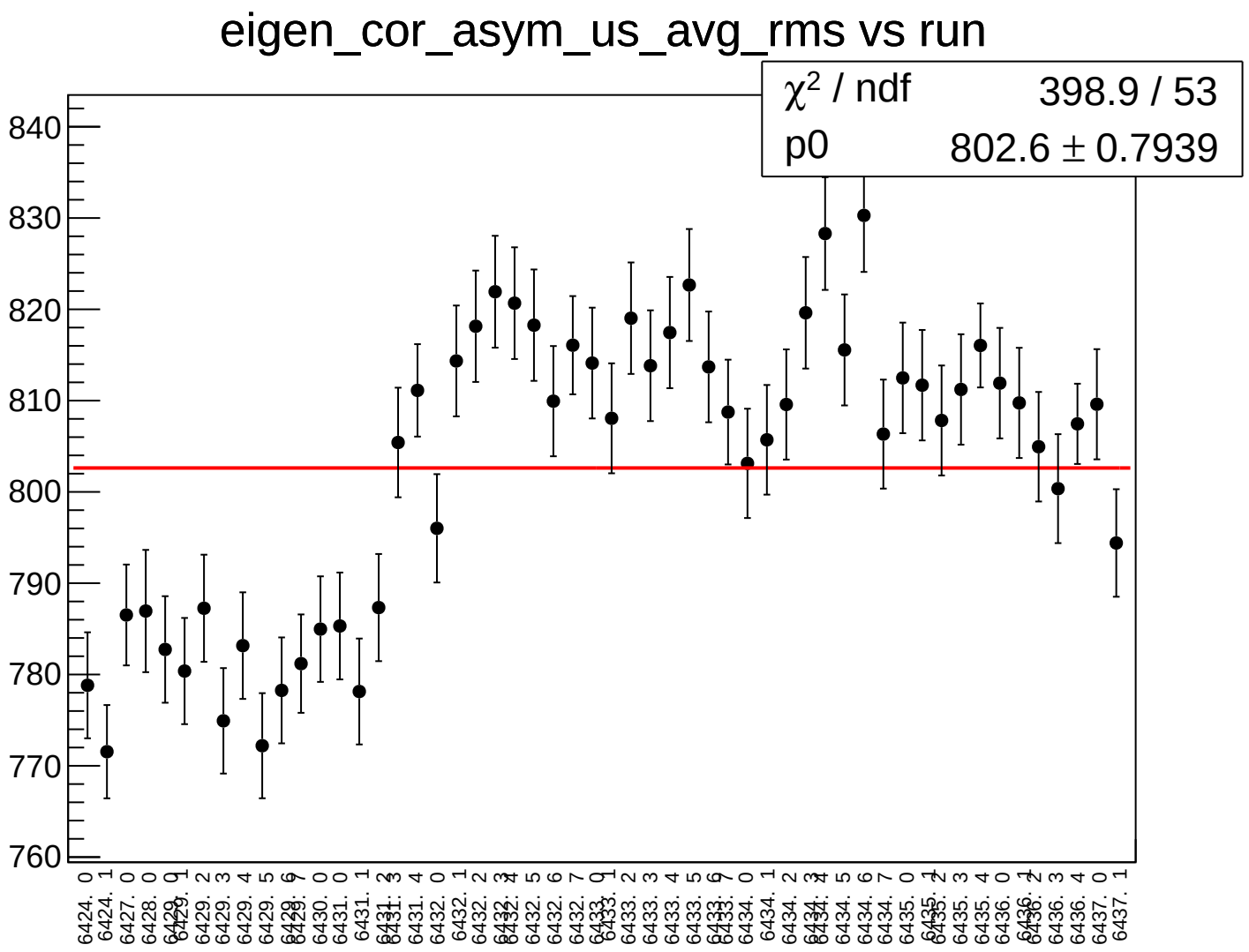

overload_cor_asym_us_avg_rms vs run
χ² / ndf 390.9 / 53
p0 799.9 ± 0.7912
830
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

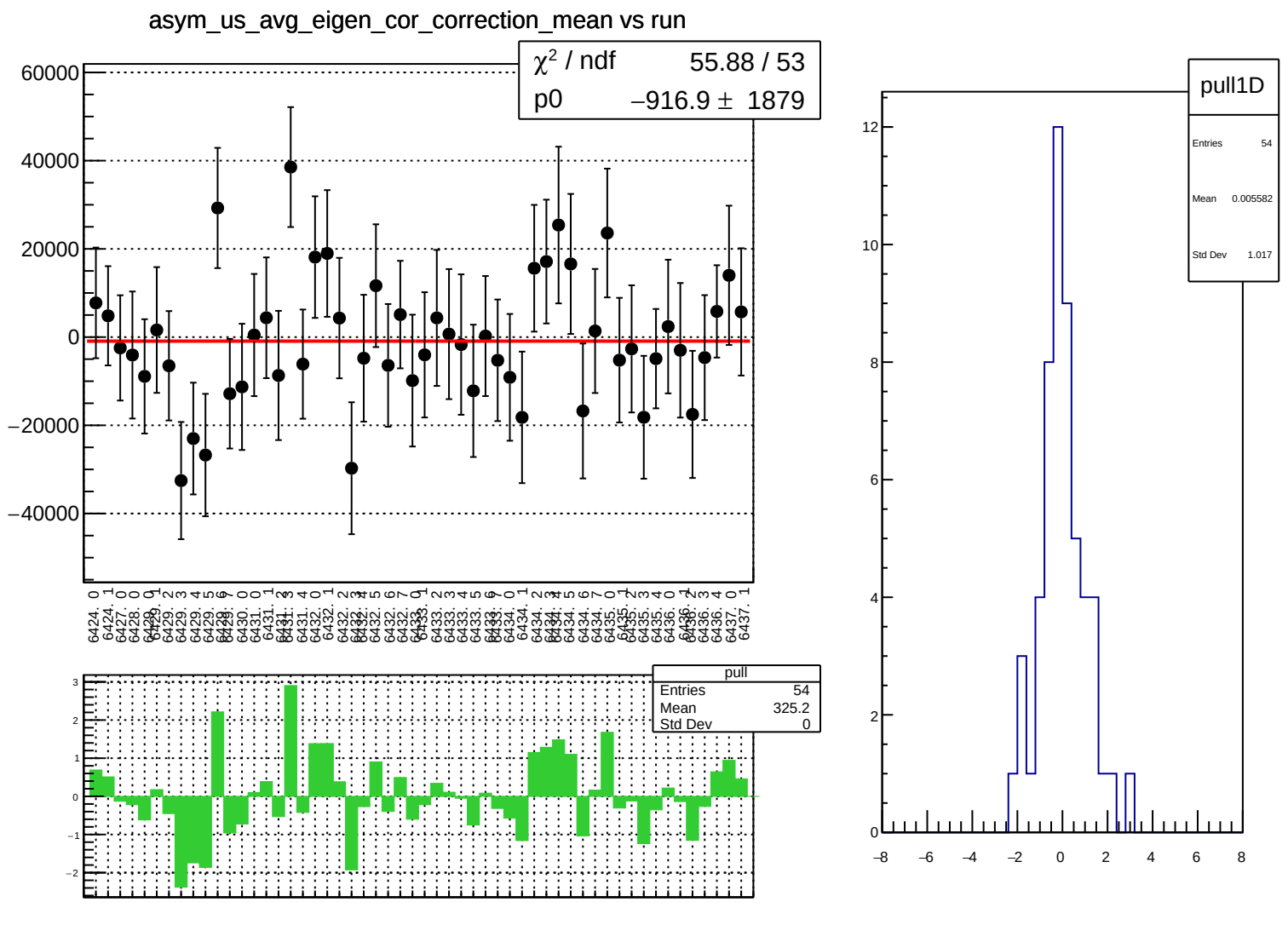

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 55.67 / 53
p0 −1097 ± 1881
pull
Entries 54
Mean 330.6
Std Dev 0
pull1D
Entries 54
Mean 0.005225
Std Dev 1.015

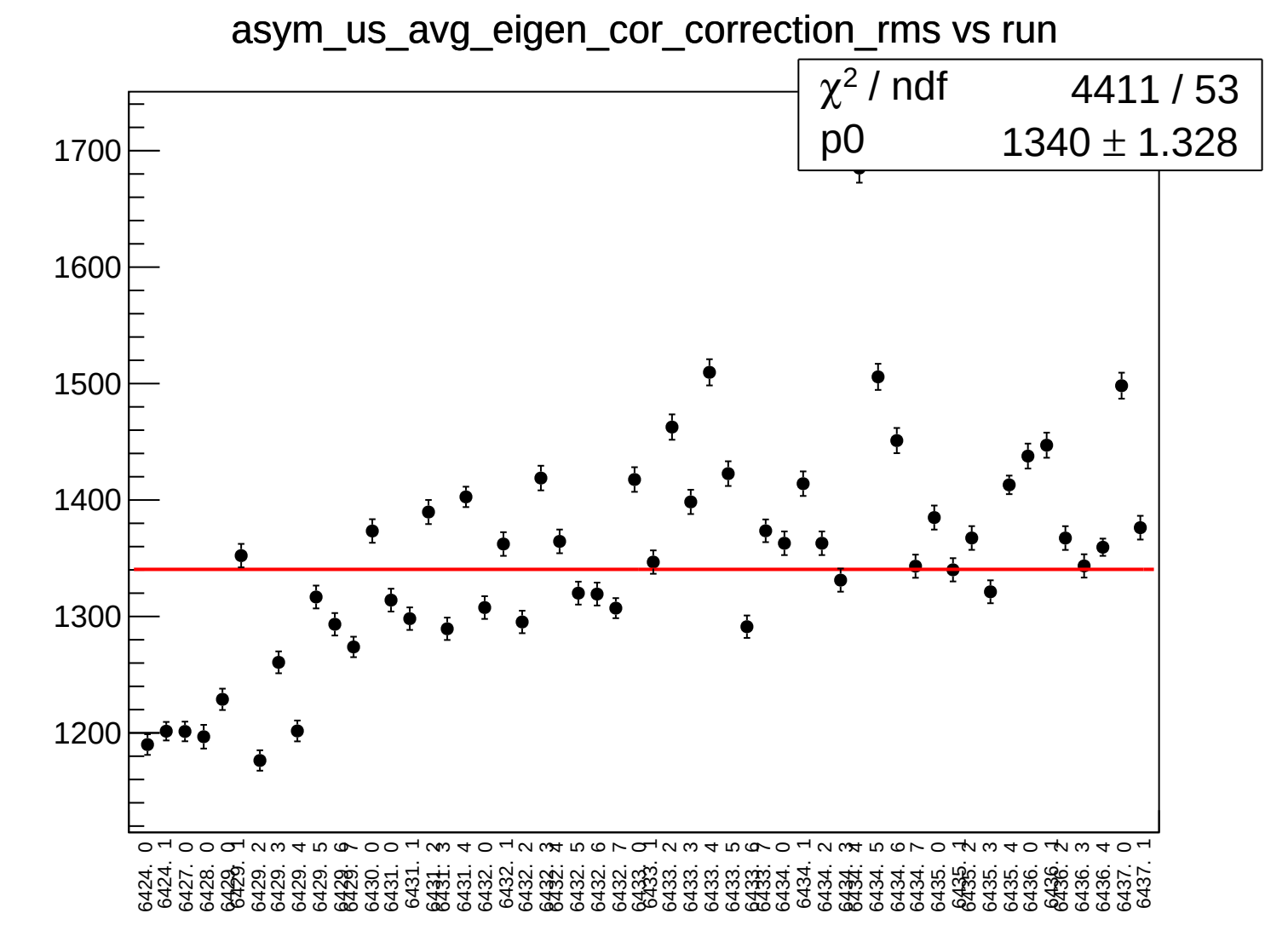

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 4404 / 53
p0 1342 ± 1.33
1700
1600
1500
1400
1300
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 40.3 / 53
p0 −4377 ± 1123
pull
Entries 54
Mean −555.3
Std Dev 0


pull1D
Entries 54
Mean −0.003126
Std Dev 0.8639


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 398.9 / 53
p0 802.6 ± 0.7939
840
830
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.88 / 53
p0 −916.9 ± 1879
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 325.2
Std Dev 0
pull1D
Entries 54
Mean 0.005582
Std Dev 1.017


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 4411 / 53
p0 1340 ± 1.328
1700
1600
1500
1400
1300
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6434. 0
6434. 1
6434. 2
6434. 5
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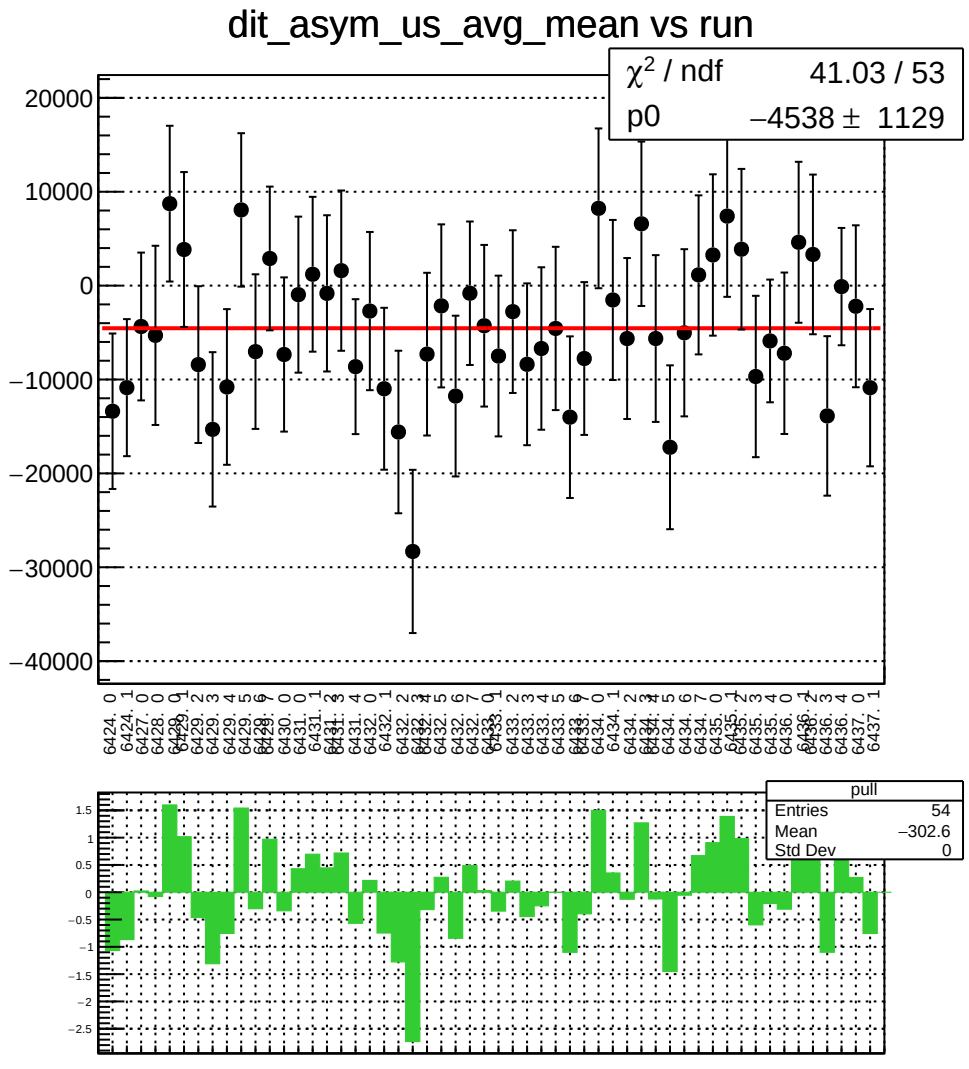
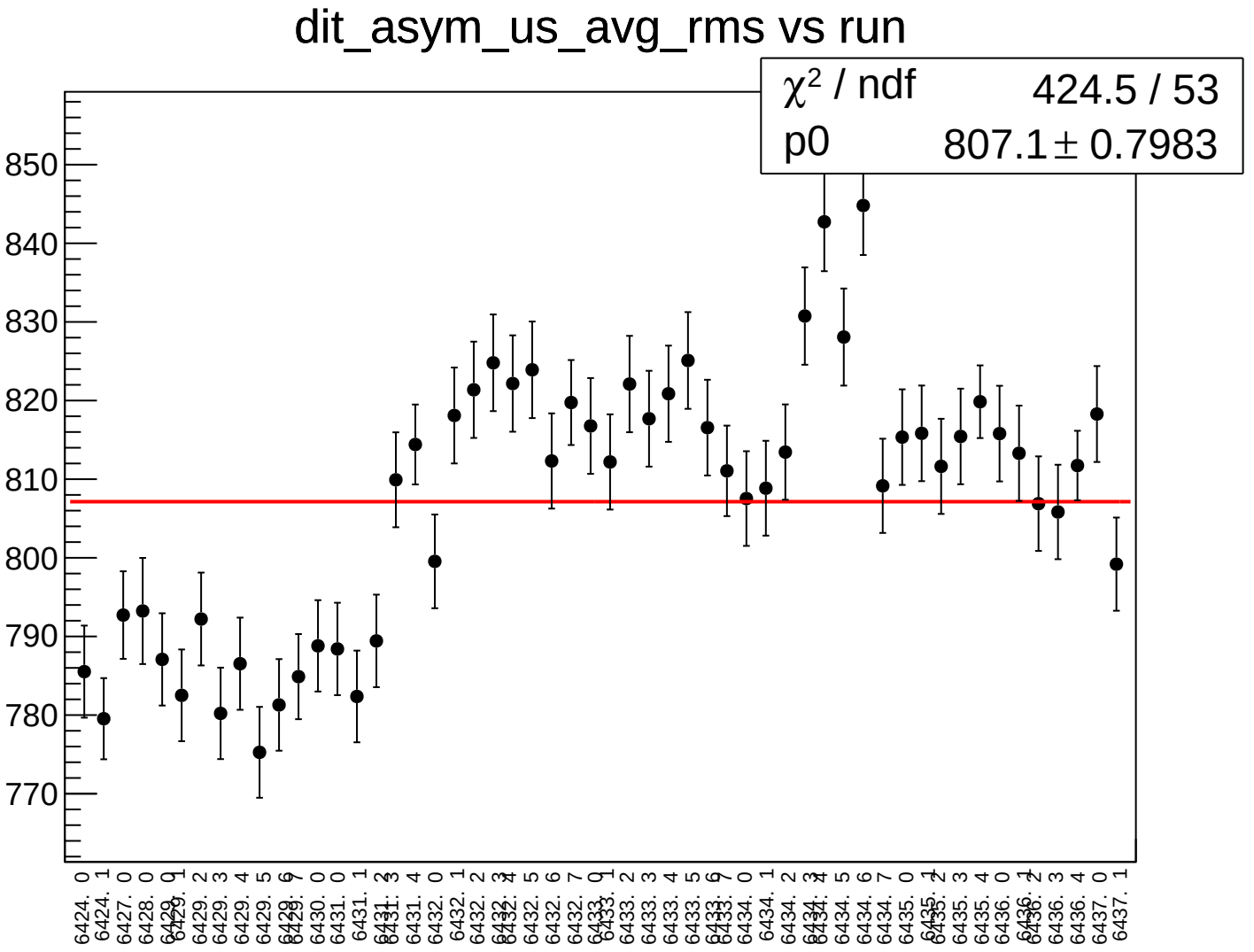
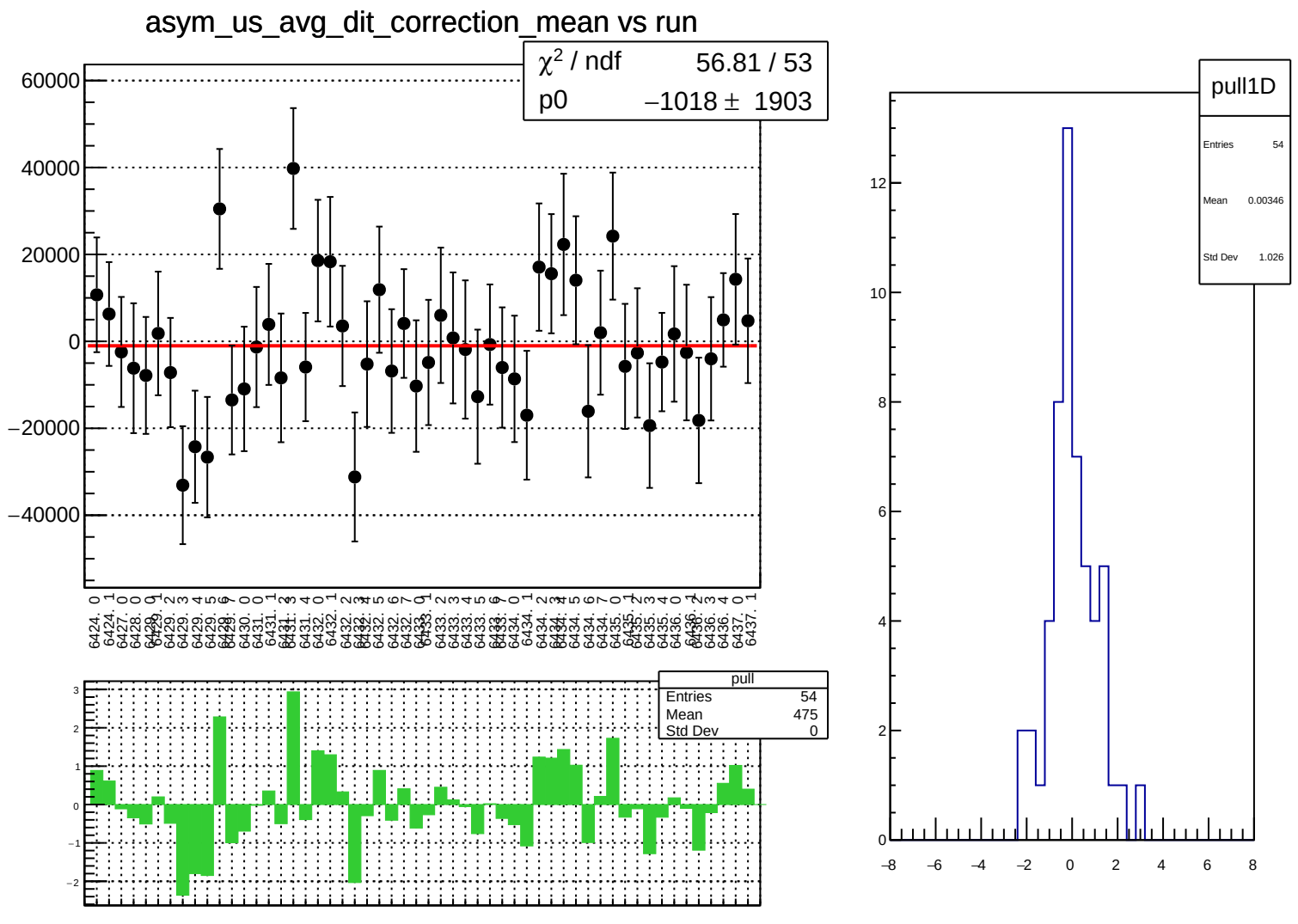
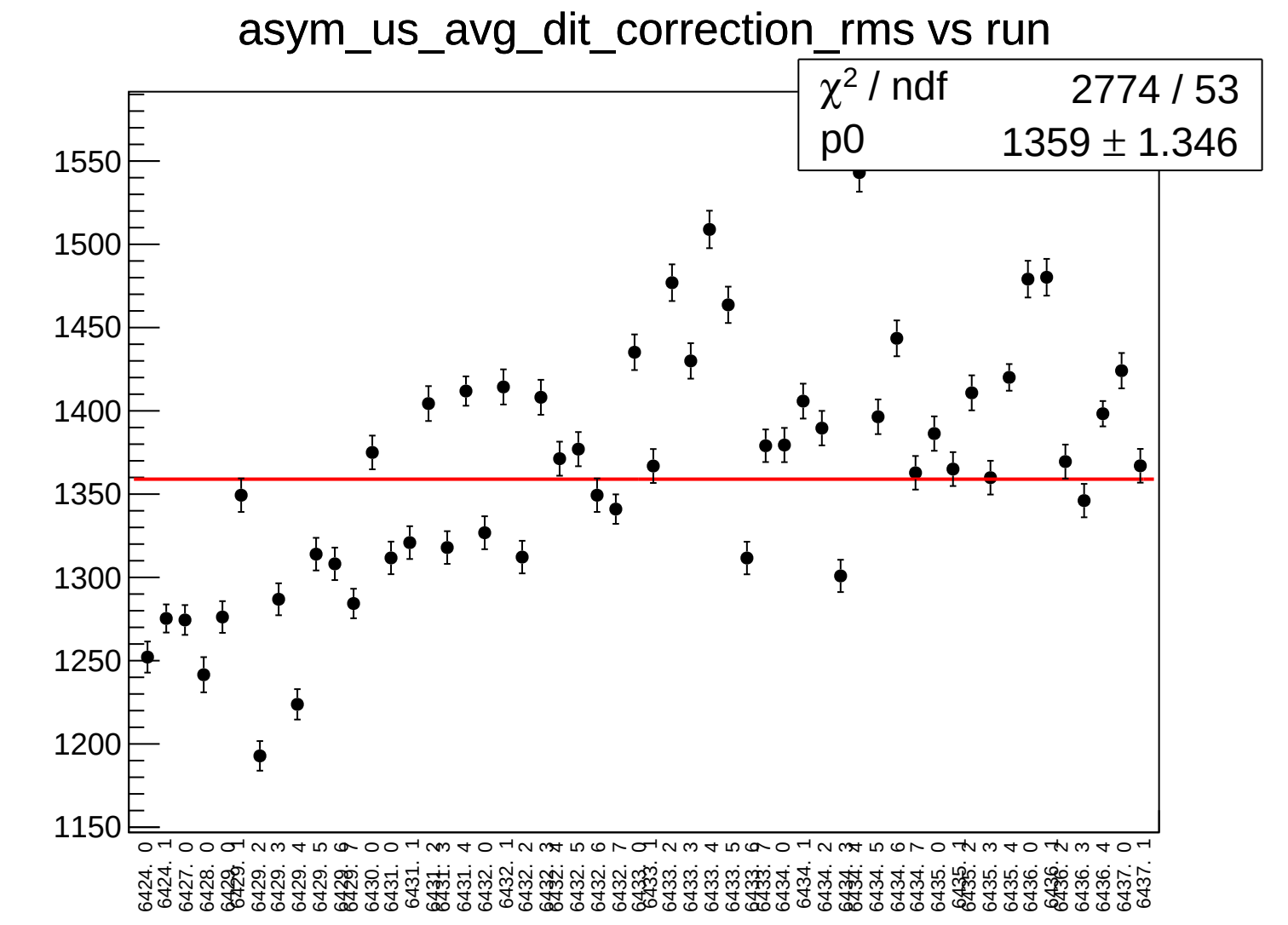
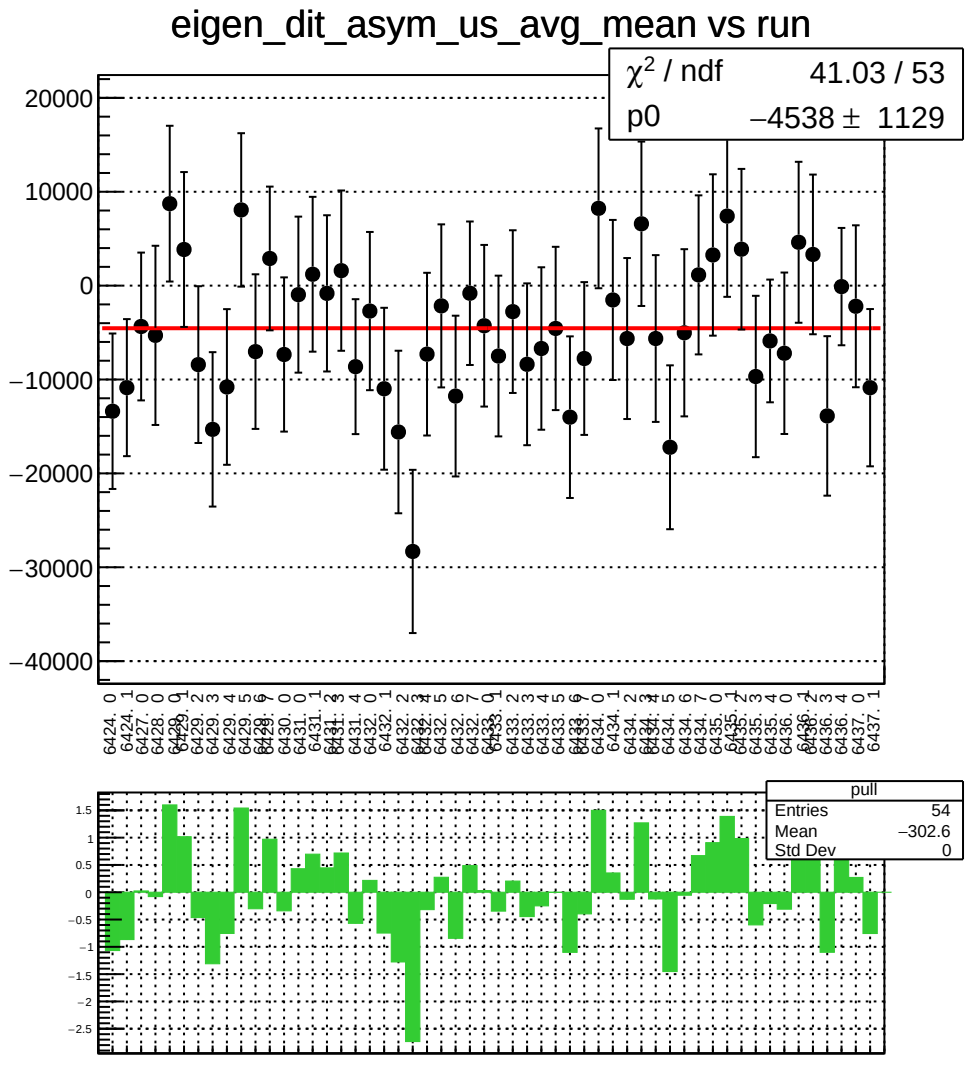
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

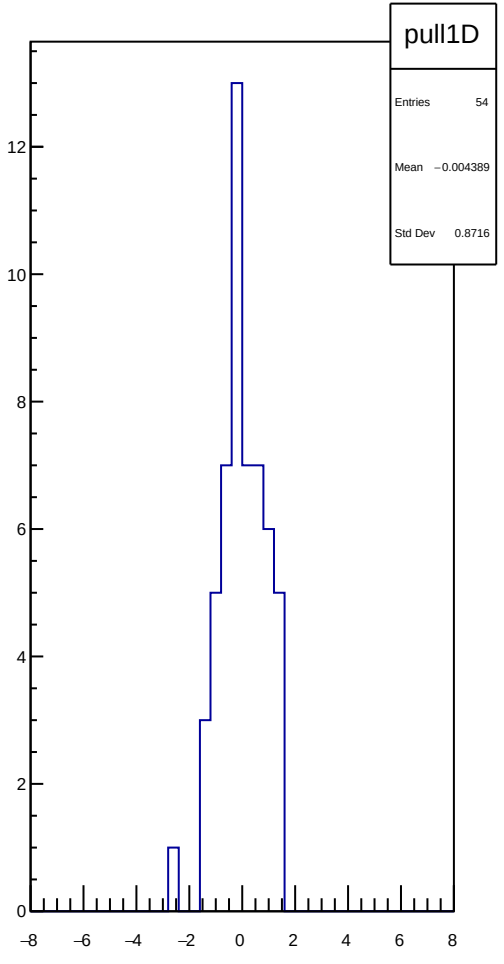

dit_asym_us_avg_mean vs run
χ² / ndf 41.03 / 53
p0 −4538 ± 1129
pull
Entries 54
Mean −302.6
Std Dev 0
pull1D
Entries 54
Mean −0.004389
Std Dev 0.8716

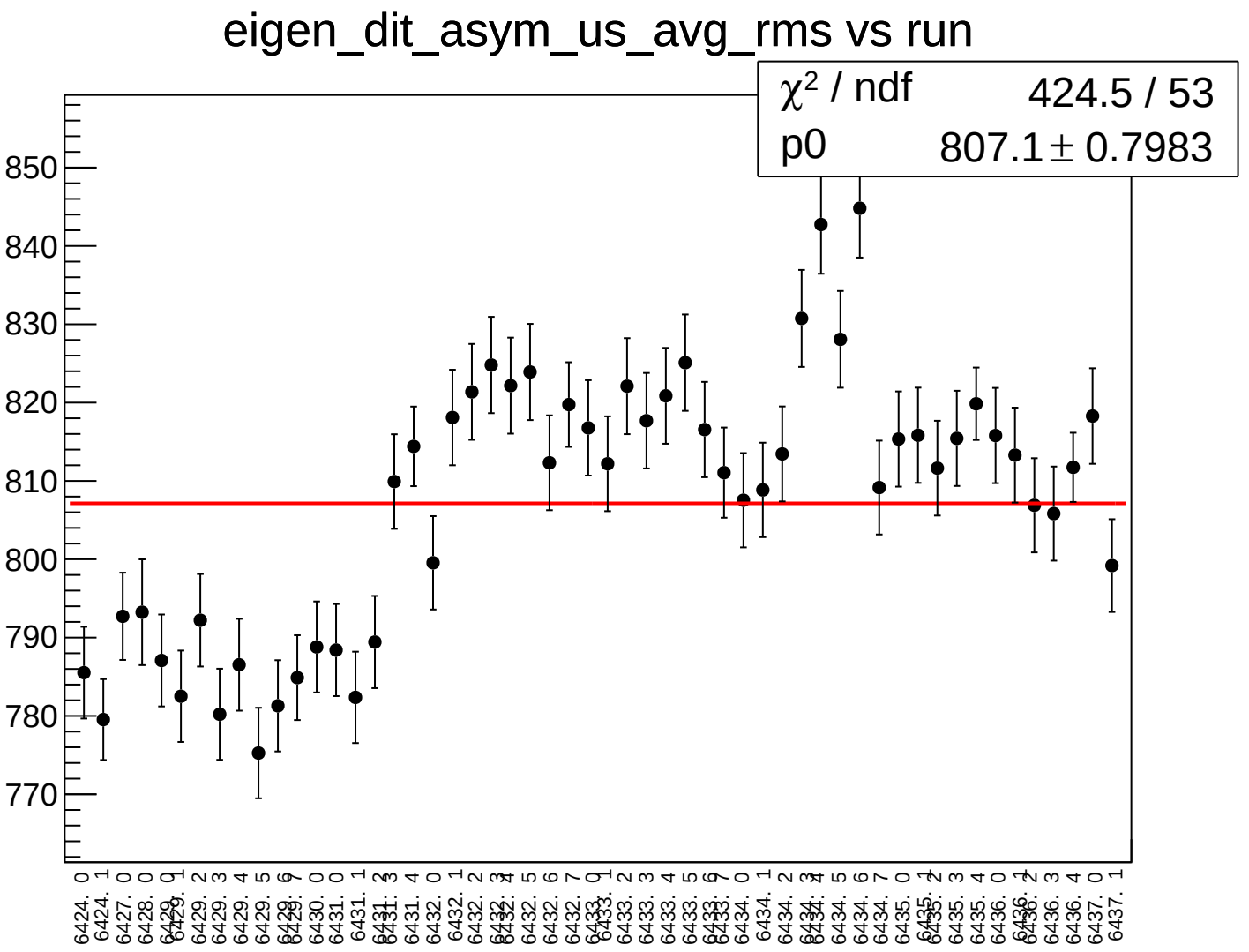

dit_asym_us_avg_rms vs run
χ² / ndf 424.5 / 53
p0 807.1 ± 0.7983
850
840
830
820
810
800
790
780
770
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

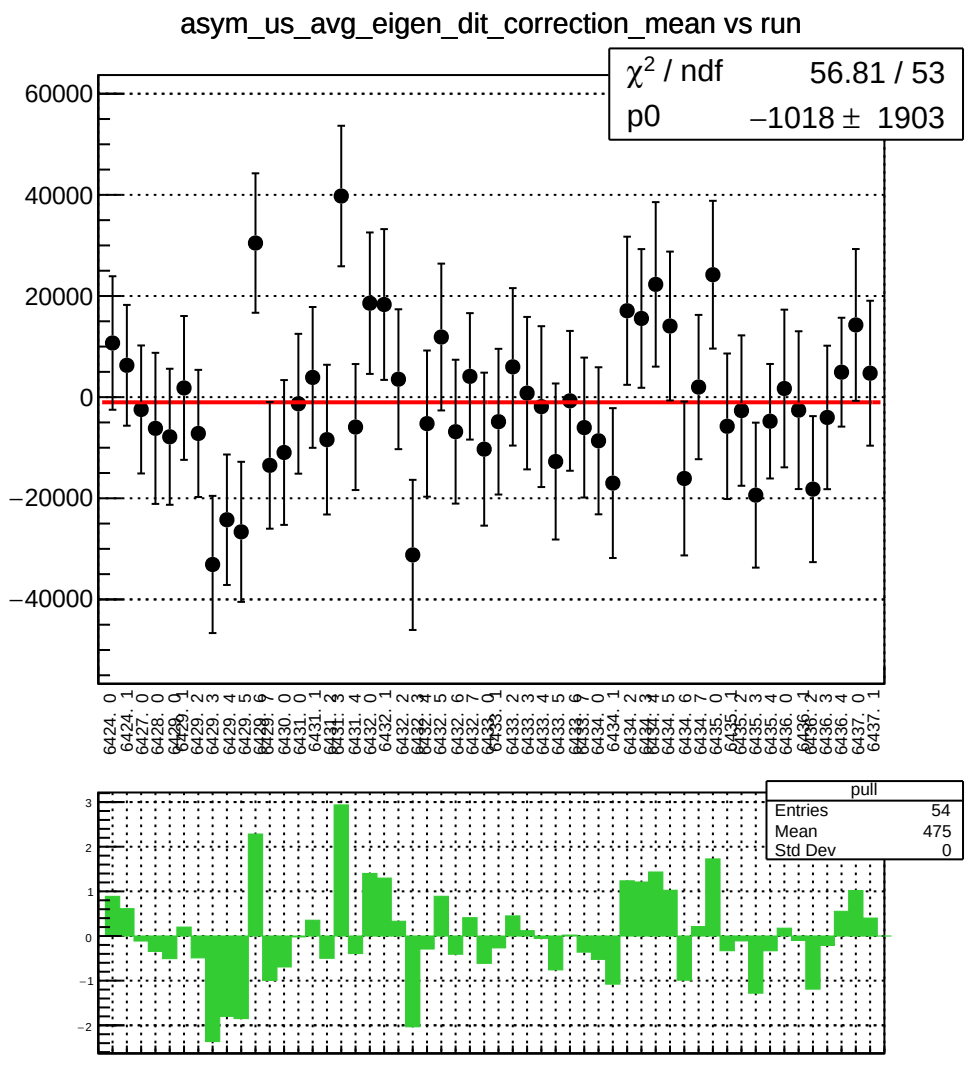

asym_us_avg_dit_correction_mean vs run
χ² / ndf 56.81 / 53
p0 −1018 ± 1903
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 475
Std Dev 0
pull1D
Entries 54
Mean 0.00346
Std Dev 1.026

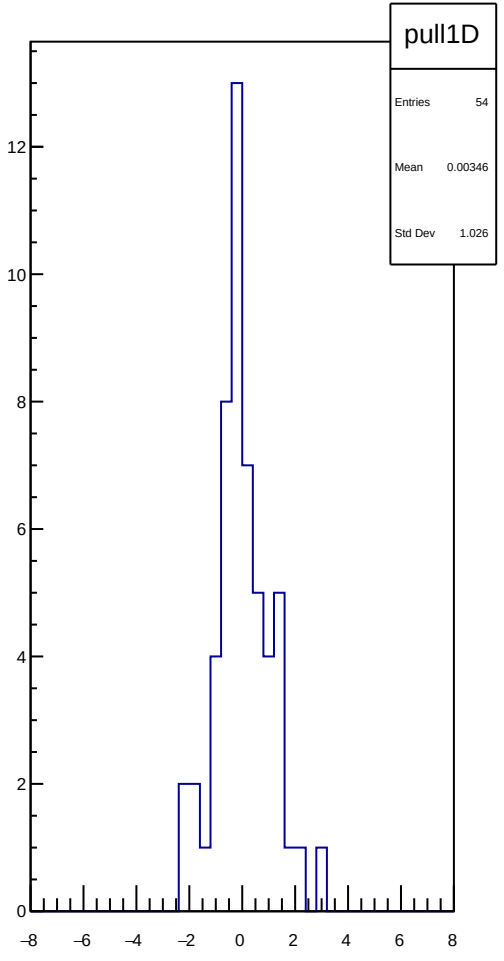

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2774 / 53
p0 1359 ± 1.346
1550
1500
1450
1400
1350
1300
1250
1200
1150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

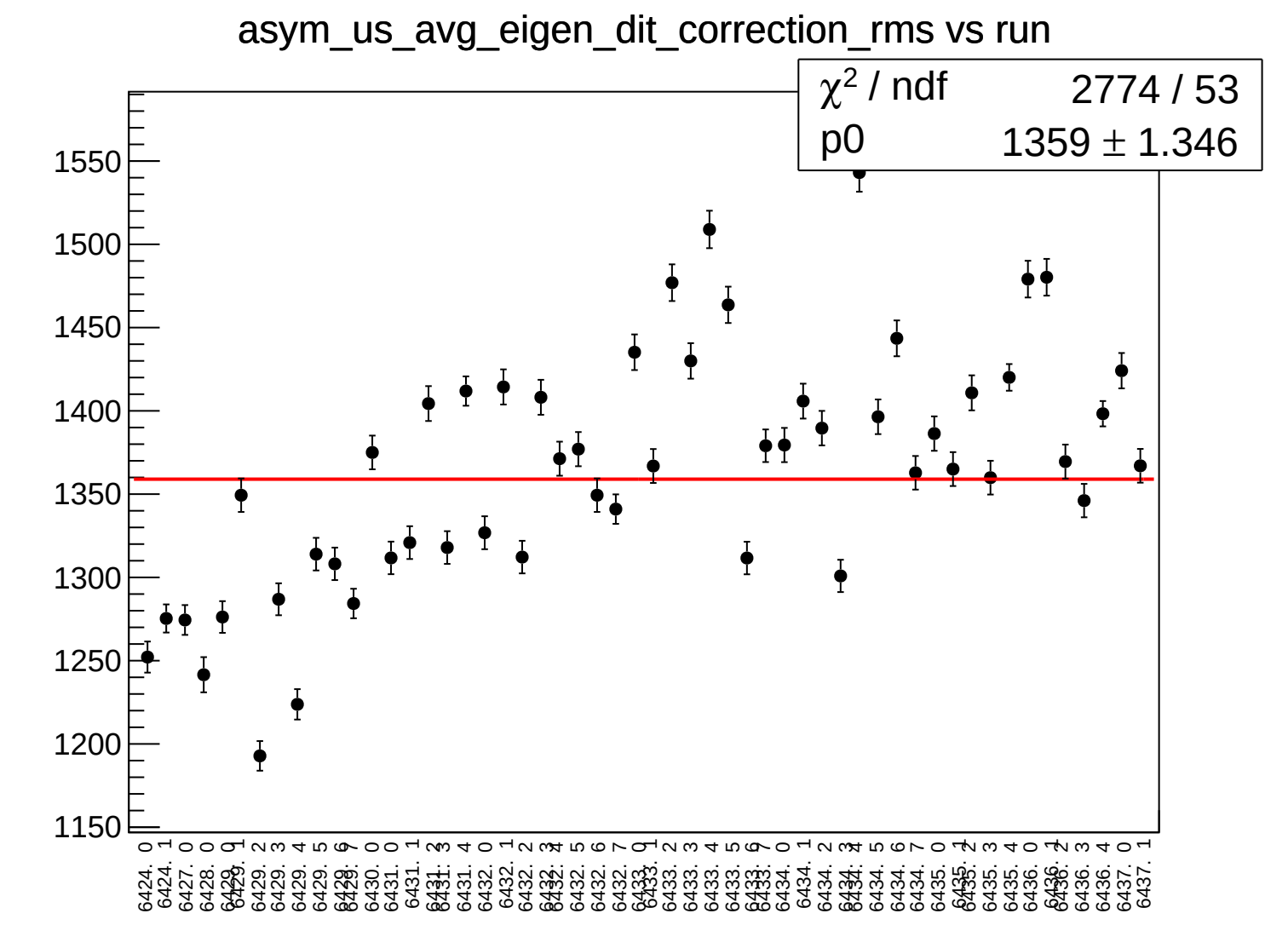

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 41.03 / 53
p0 −4538 ± 1129
pull
Entries 54
Mean −302.6
Std Dev 0

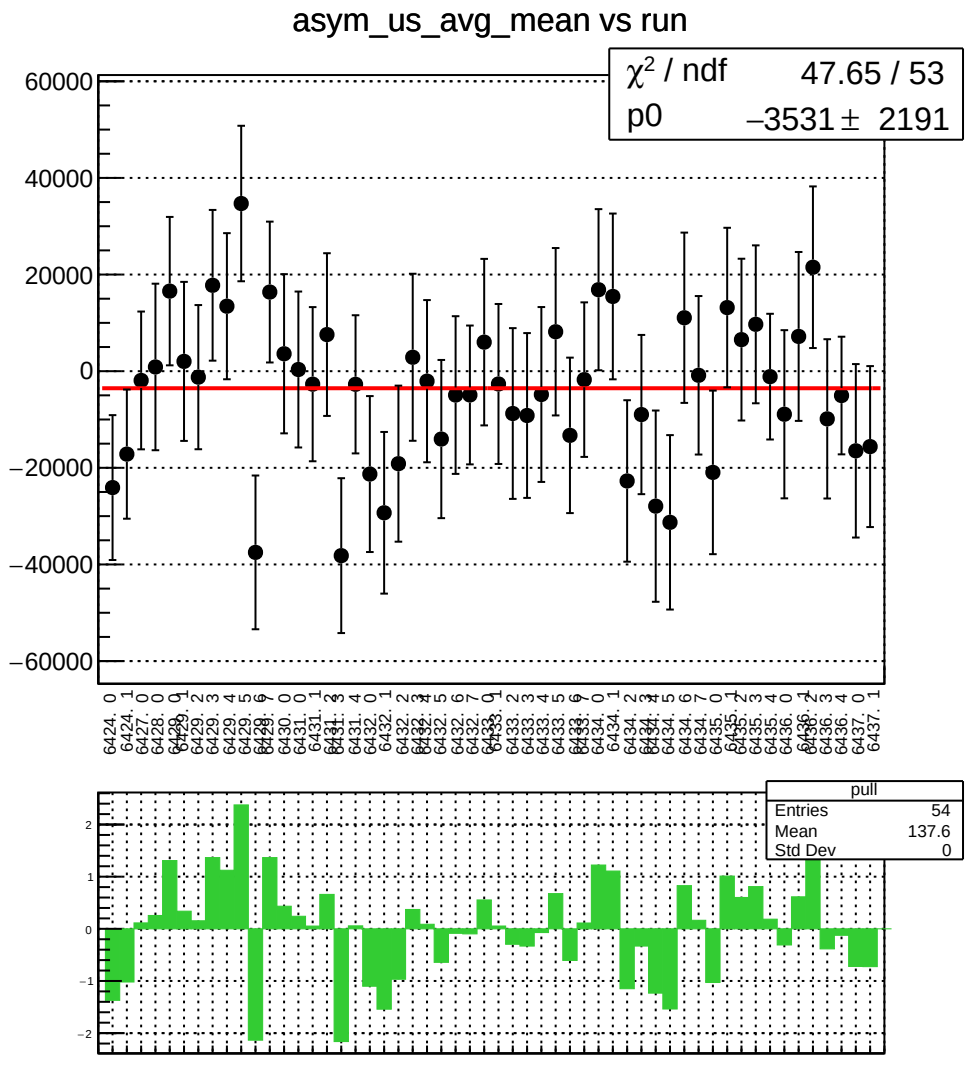

pull1D
Entries 54
Mean −0.004389
Std Dev 0.8716

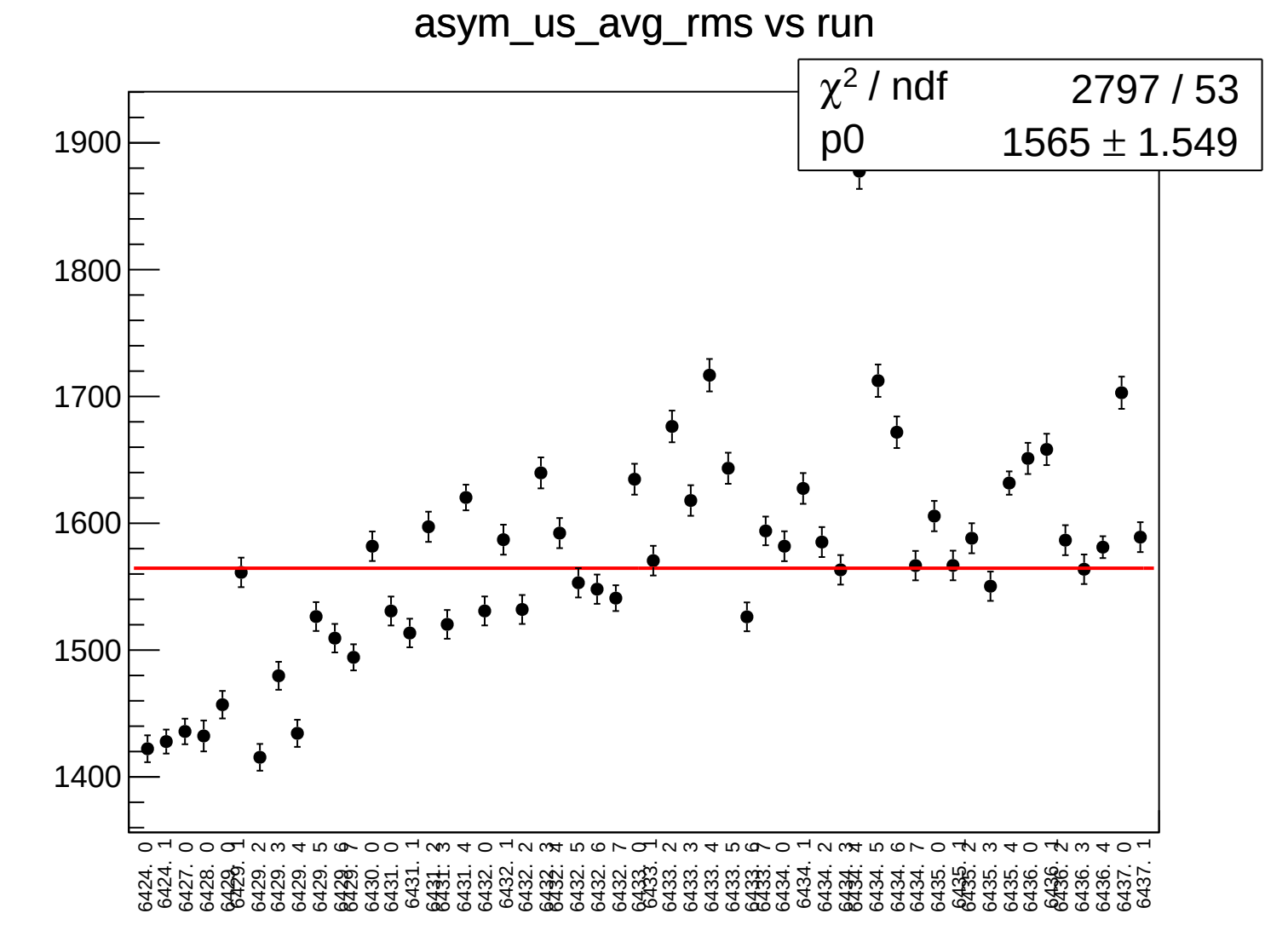

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 424.5 / 53
p0 807.1 ± 0.7983
850
840
830
820
810
800
790
780
770
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

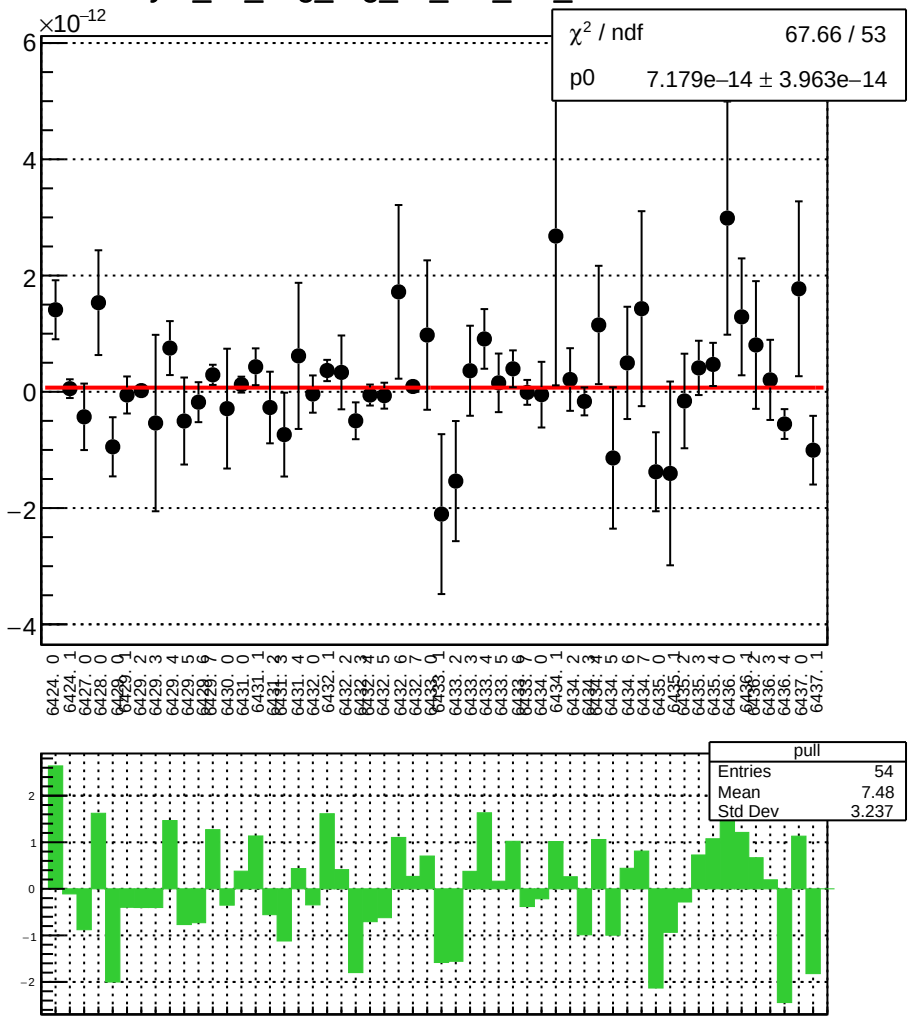

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.81 / 53
p0 −1018 ± 1903
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 475
Std Dev 0
3
2
1
0
−1
−2

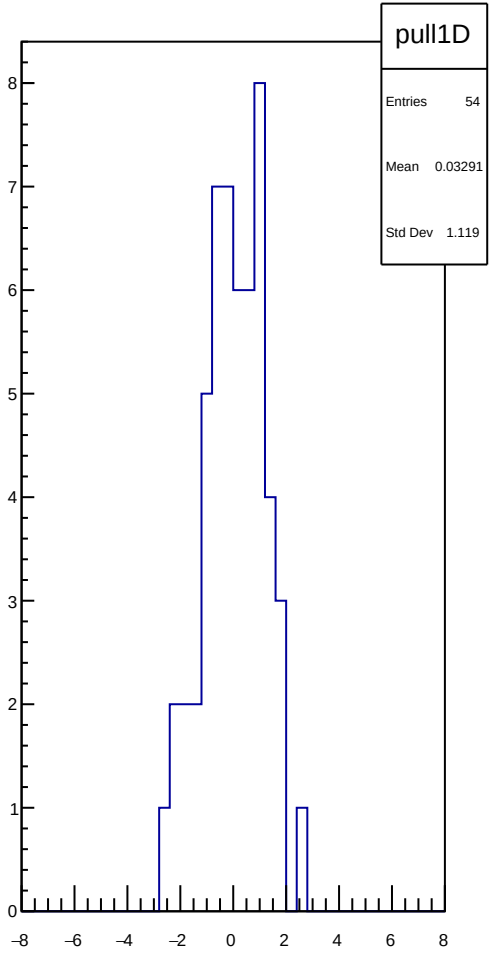

pull1D
Entries 54
Mean 0.00346
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

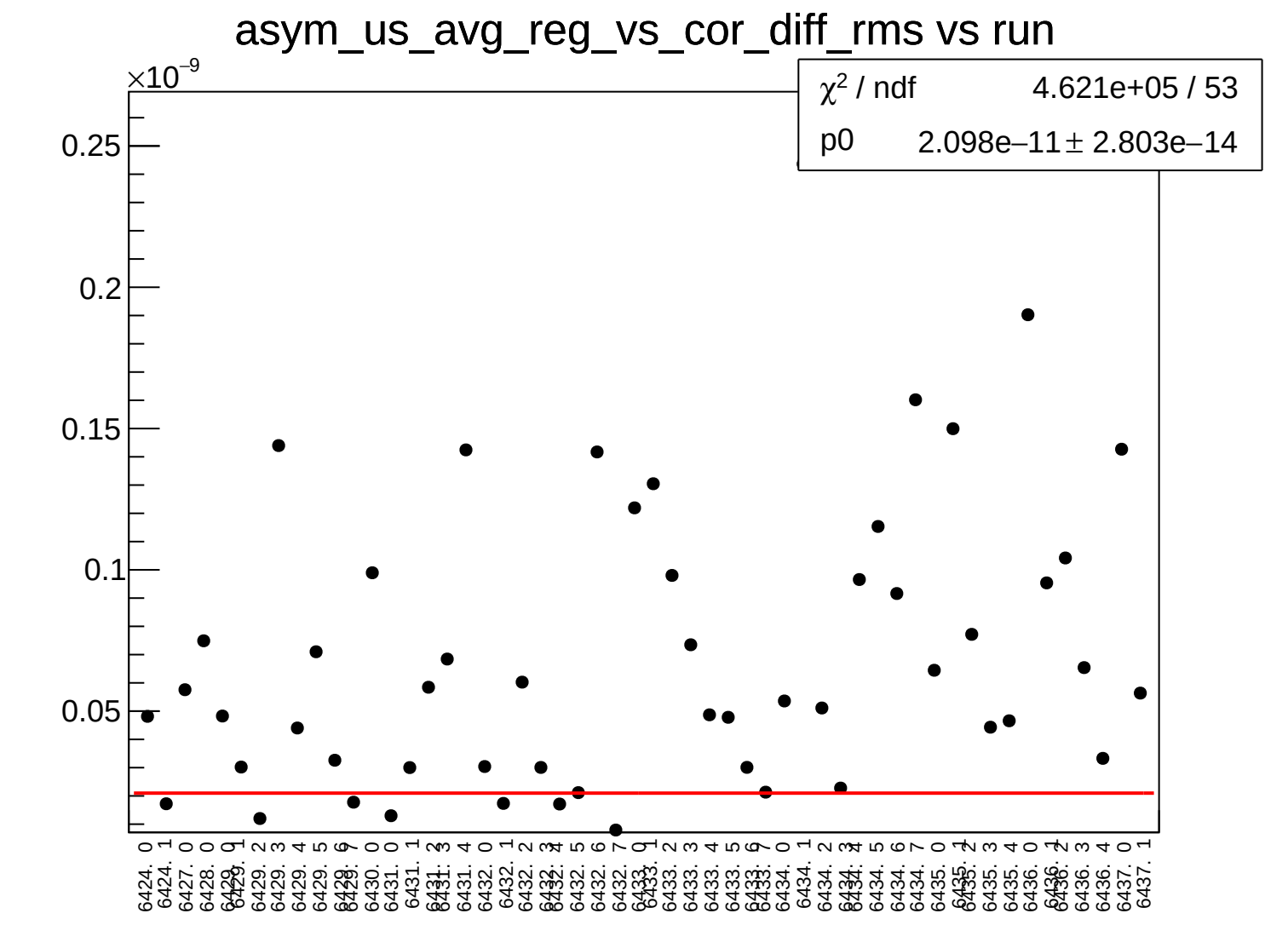

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2774 / 53
p0 1359 ± 1.346
1550
1500
1450
1400
1350
1300
1250
1200
1150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

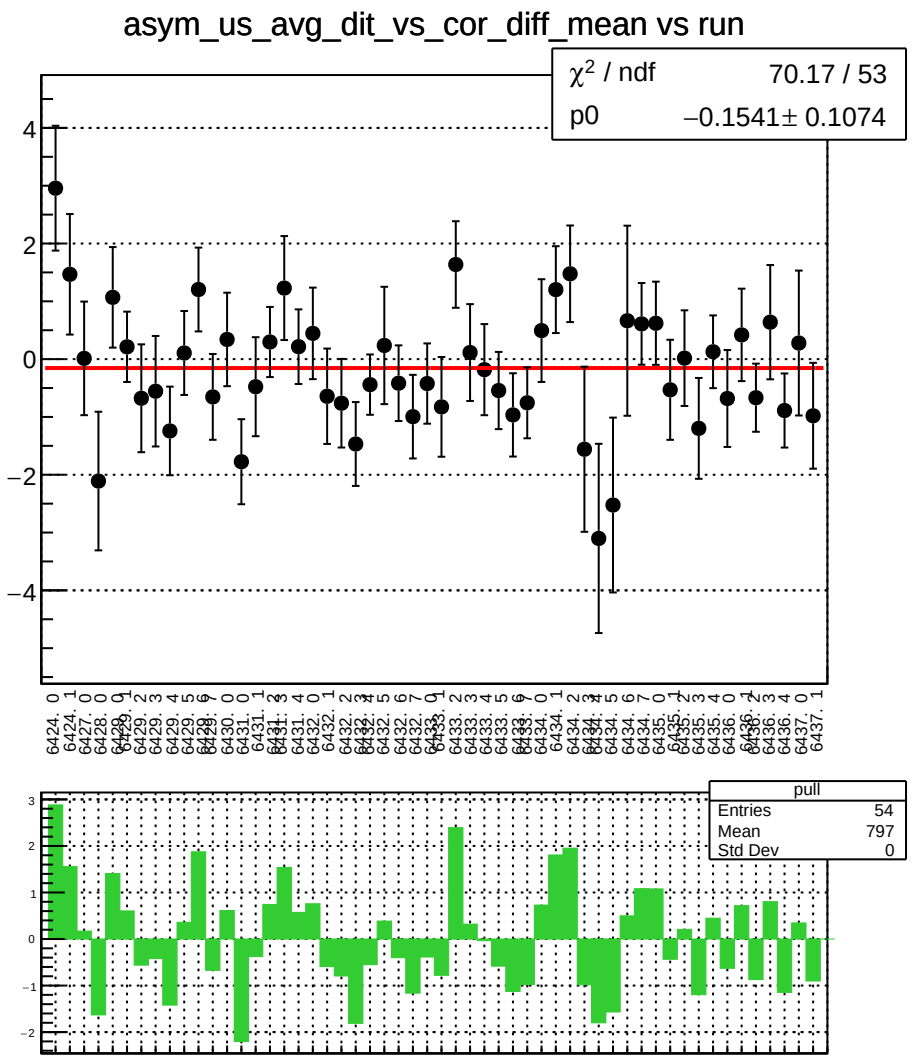

asym_us_avg_mean vs run
χ² / ndf 47.65 / 53
p0 −3531 ± 2191
pull
Entries 54
Mean 137.6
Std Dev 0
pull1D
Entries 54
Mean −0.004317
Std Dev 0.9393

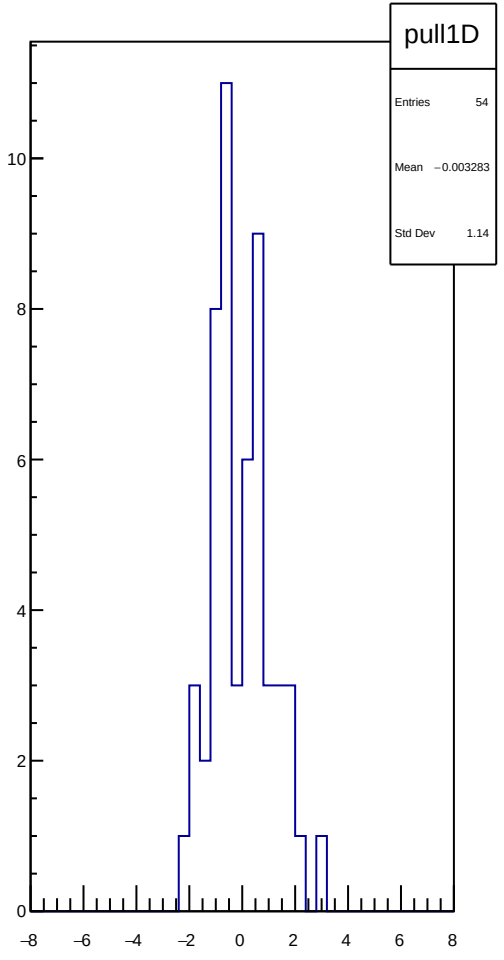

asym_us_avg_rms vs run
χ² / ndf 2797 / 53
p0 1565 ± 1.549
1900
1800
1700
1600
1500
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

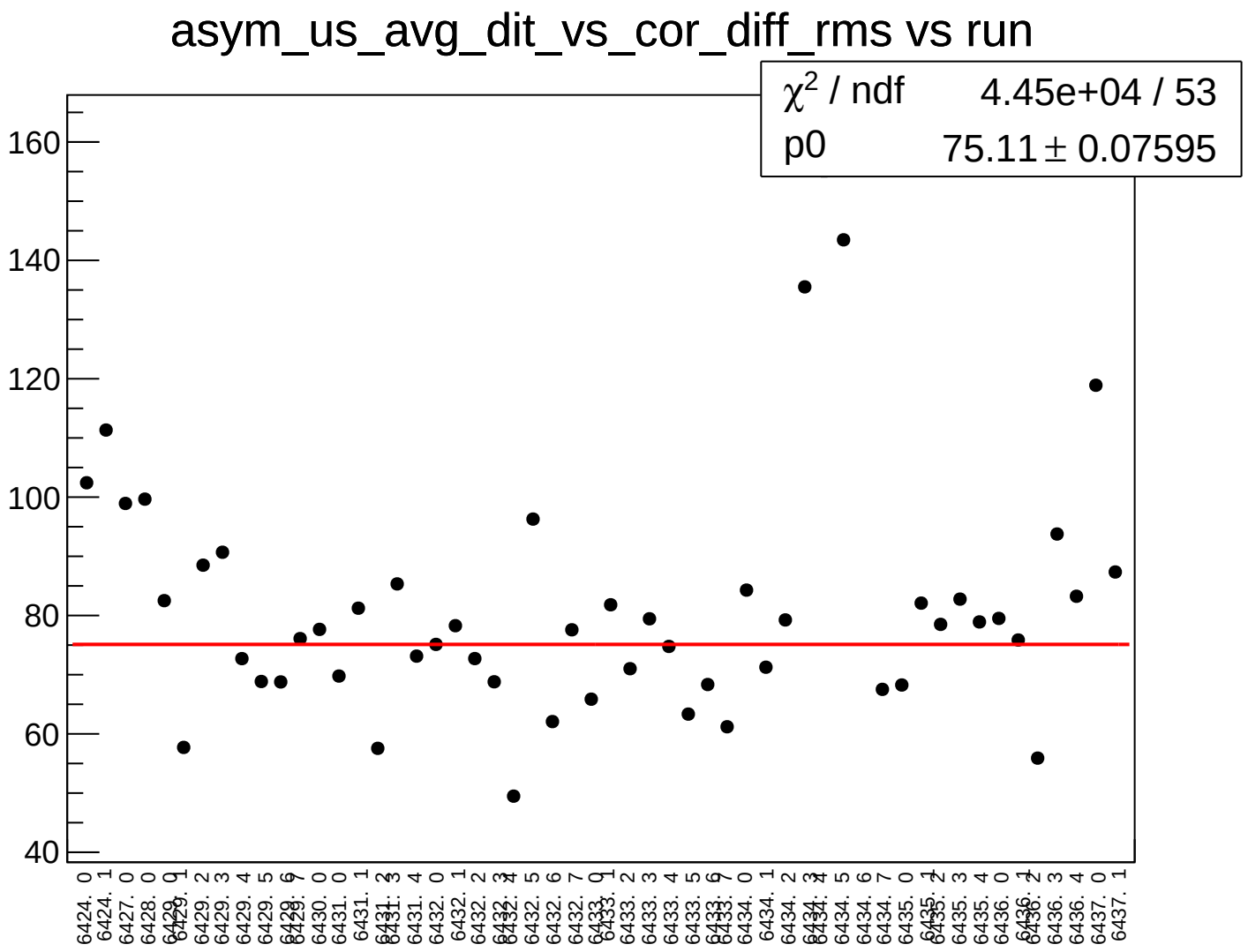

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.66 / 53
p0 7.179e−14 ± 3.963e−14
pull
Entries 54
Mean 7.48
Std Dev 3.237

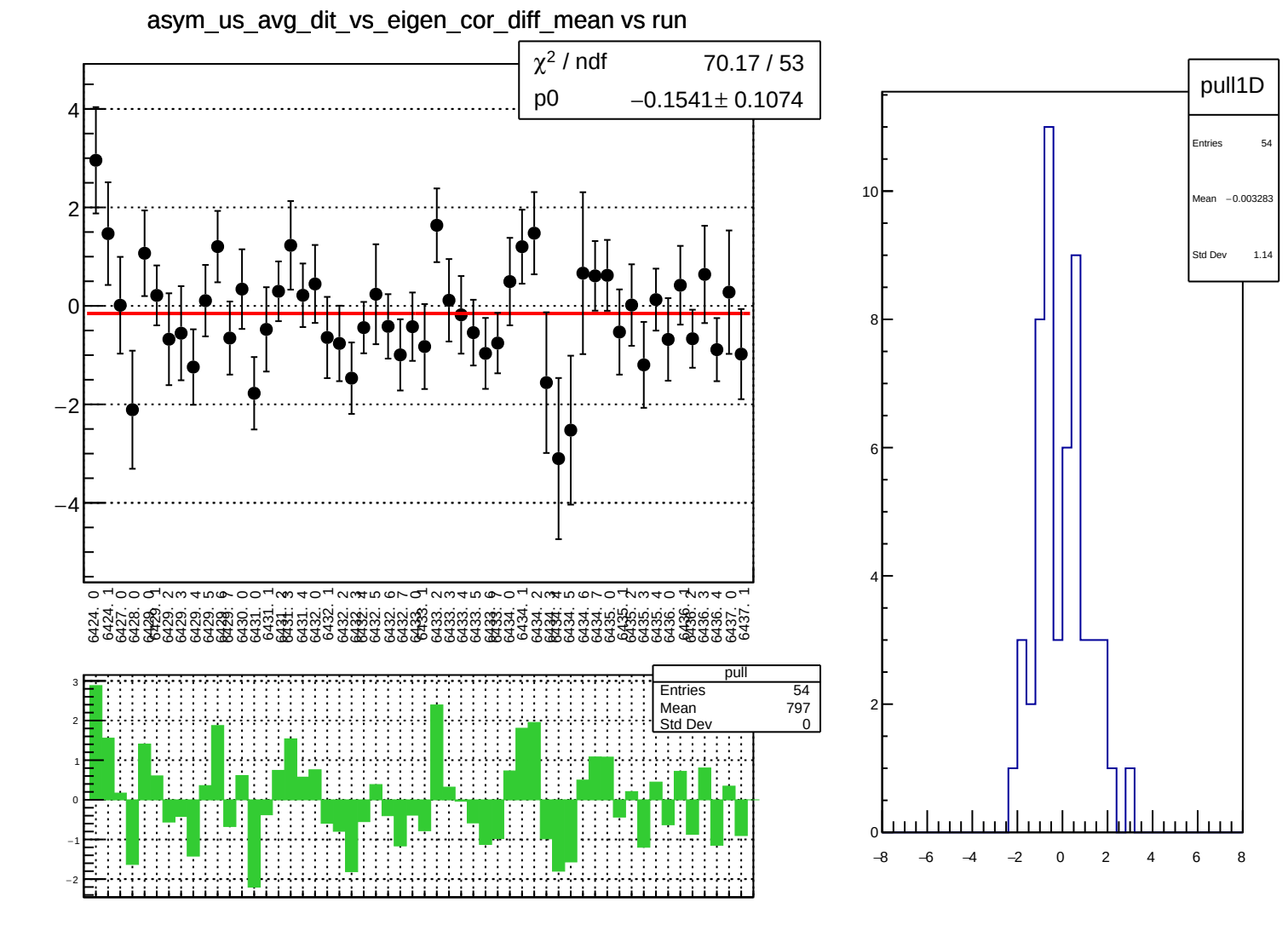

pull1D
Entries 54
Mean 0.03291
Std Dev 1.119

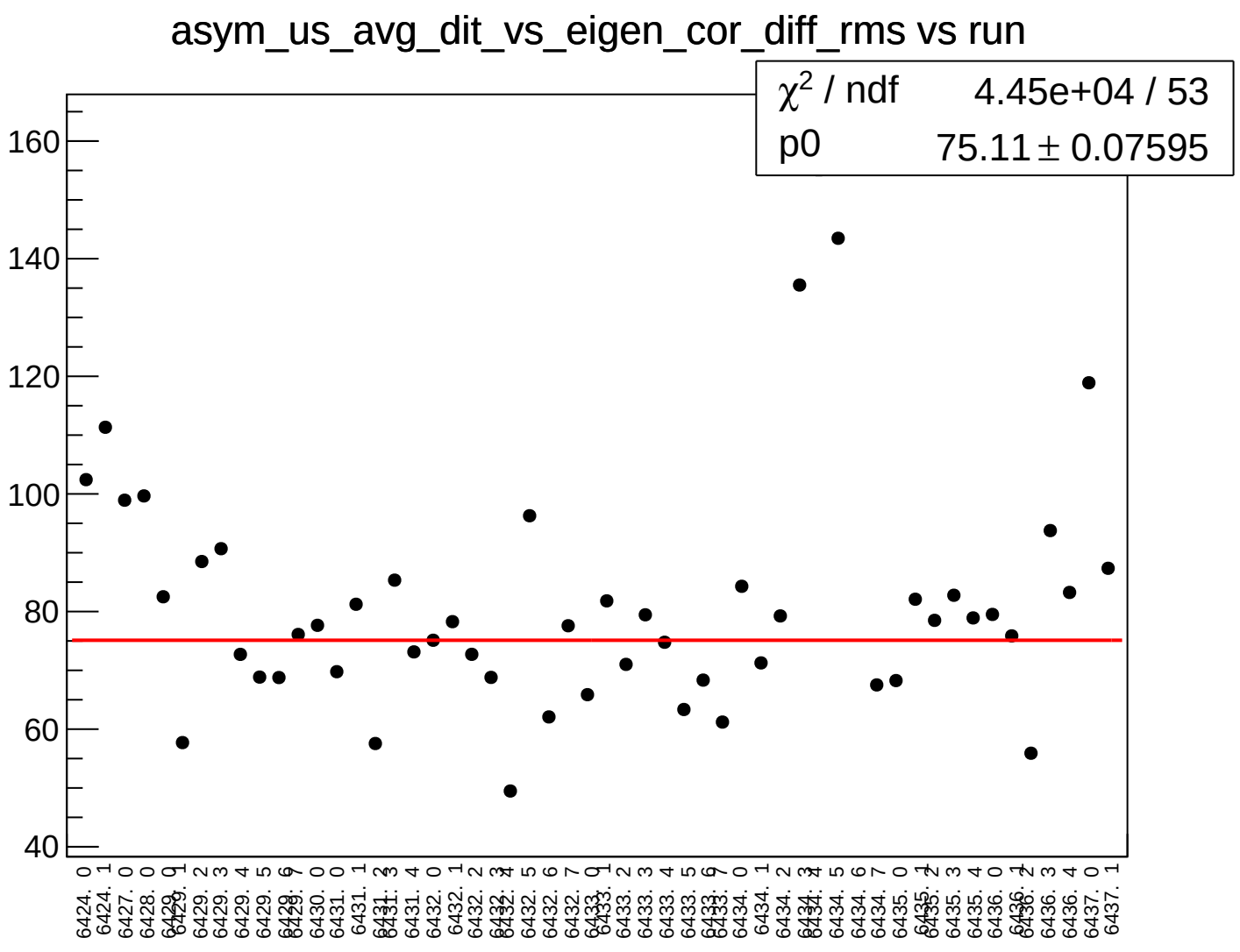

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.621e+05 / 53
p0 2.098e−11 ± 2.803e−14
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

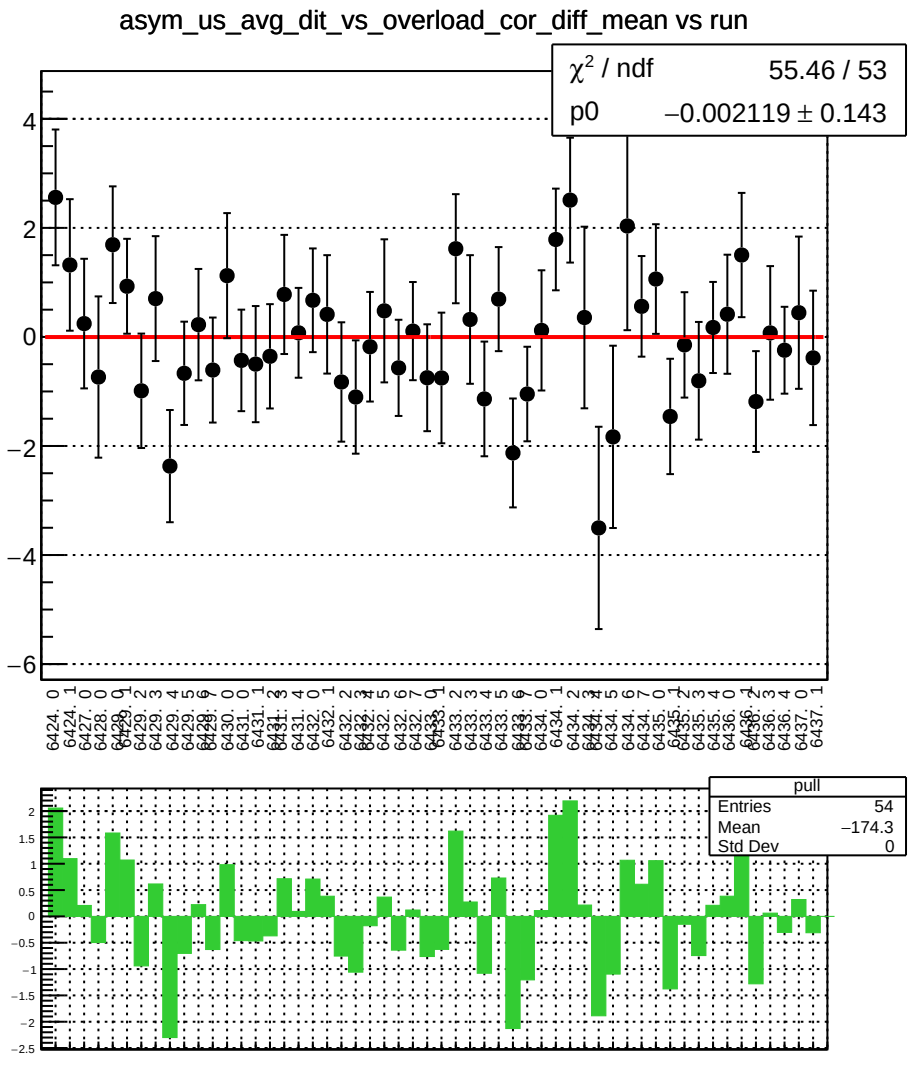

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.17 / 53
p0 −0.1541± 0.1074
pull
Entries 54
Mean 797
Std Dev 0

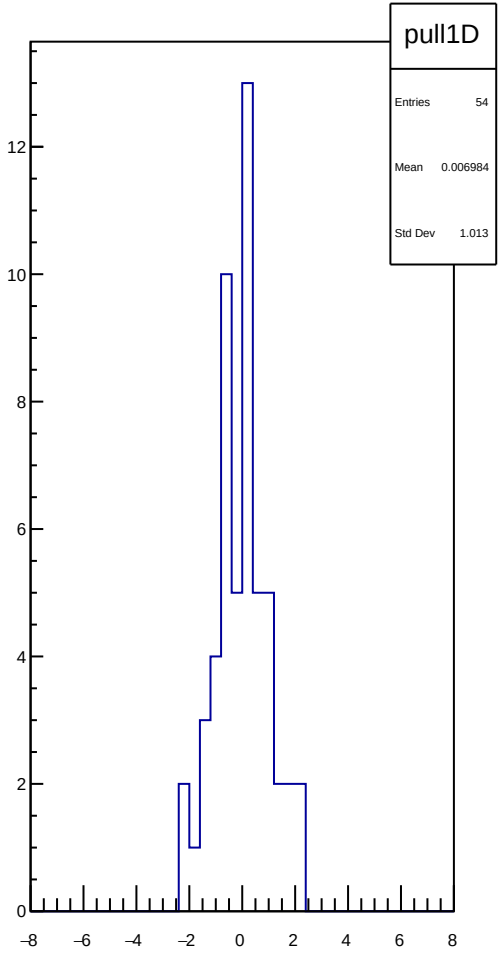

pull1D
Entries 54
Mean −0.003283
Std Dev 1.14

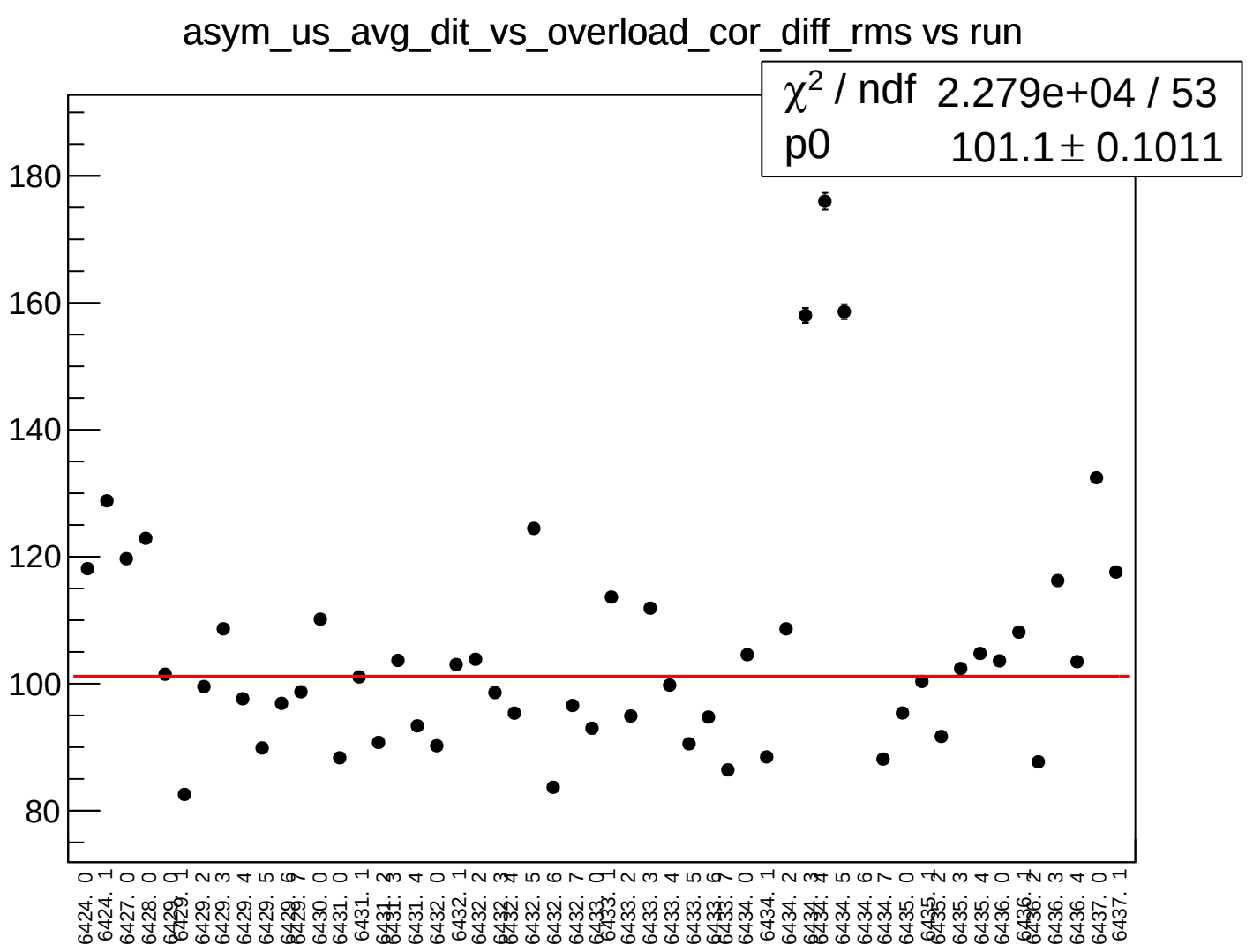

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.45e+04 / 53
p0 75.11 ± 0.07595
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

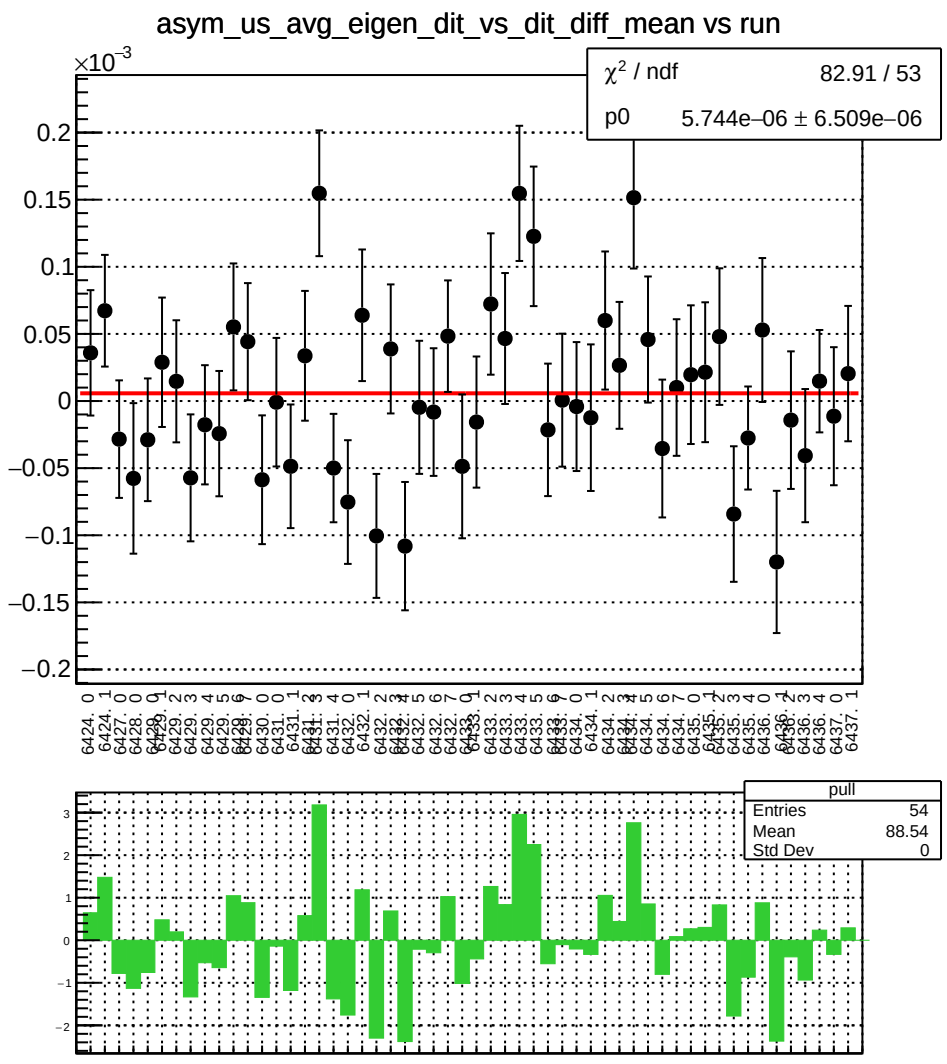

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.17 / 53
p0 −0.1541± 0.1074
pull
Entries 54
Mean 797
Std Dev 0
pull1D
Entries 54
Mean −0.003283
Std Dev 1.14

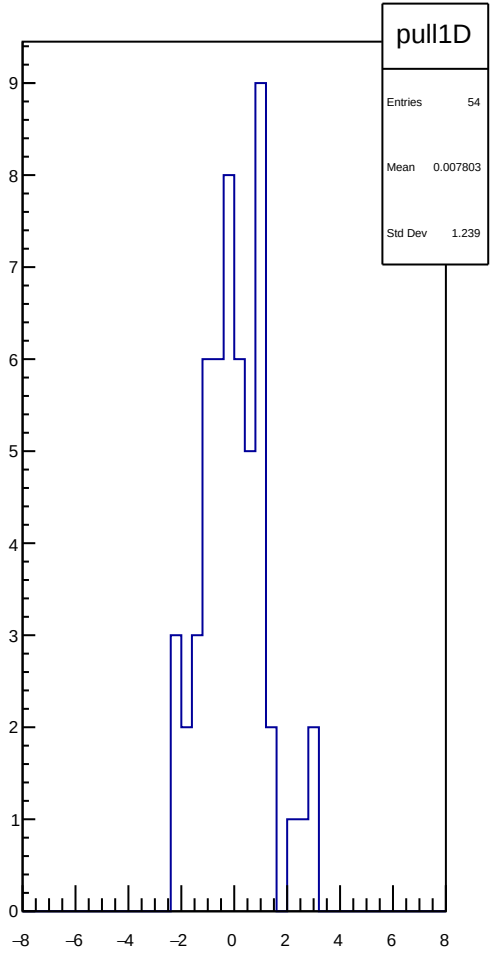

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.45e+04 / 53
p0 75.11 ± 0.07595
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

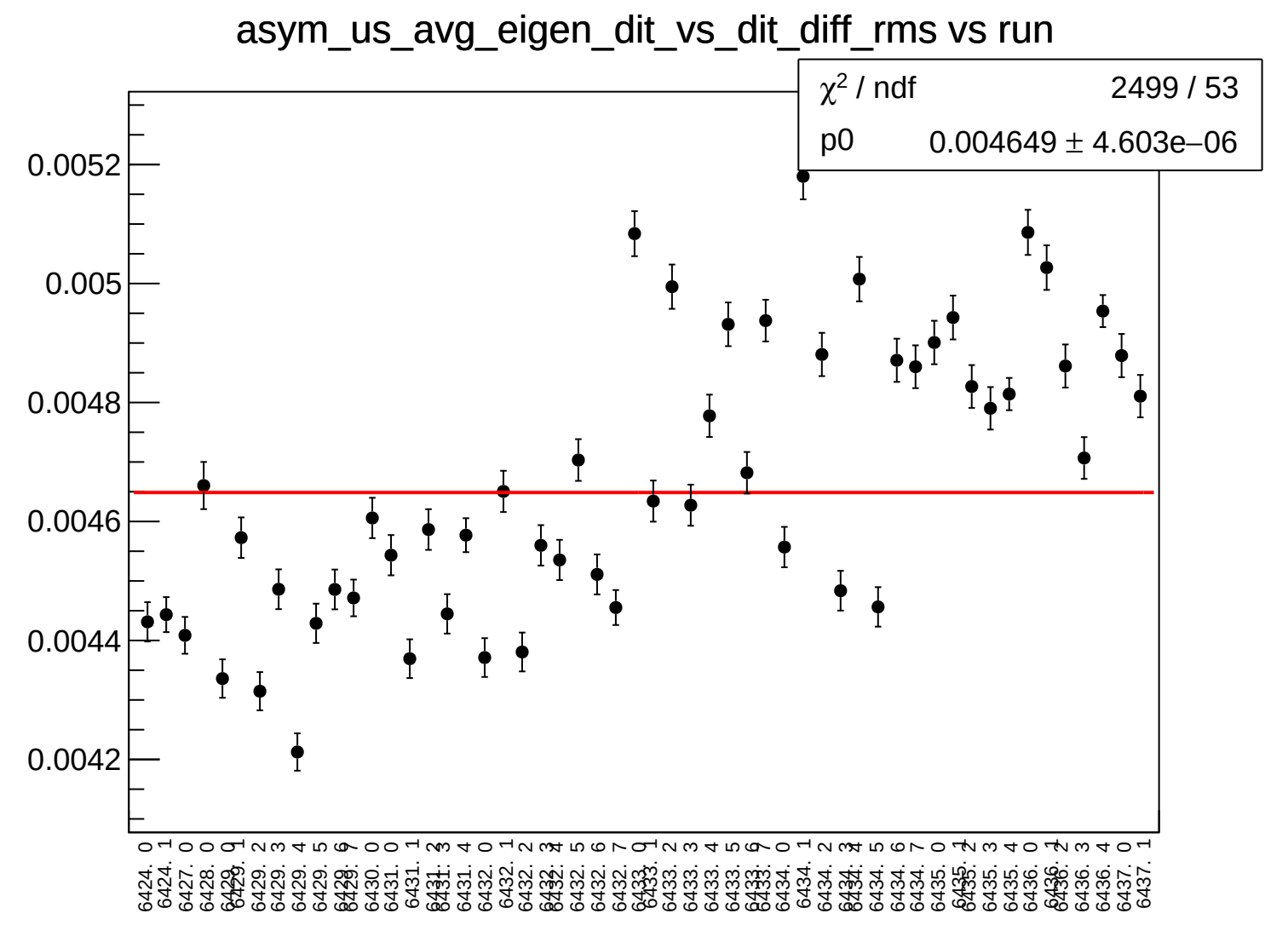

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 −0.002119 ± 0.143
pull
Entries 54
Mean −174.3
Std Dev 0


pull1D
Entries 54
Mean 0.006984
Std Dev 1.013


asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.279e+04 / 53
p0 101.1 ± 0.1011
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.91 / 53
p0 5.744e−06 ± 6.509e−06
pull
Entries 54
Mean 88.54
Std Dev 0


pull1D
Entries 54
Mean 0.007803
Std Dev 1.239


asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2499 / 53
p0 0.004649 ± 4.603e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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6434. 5
6434. 6
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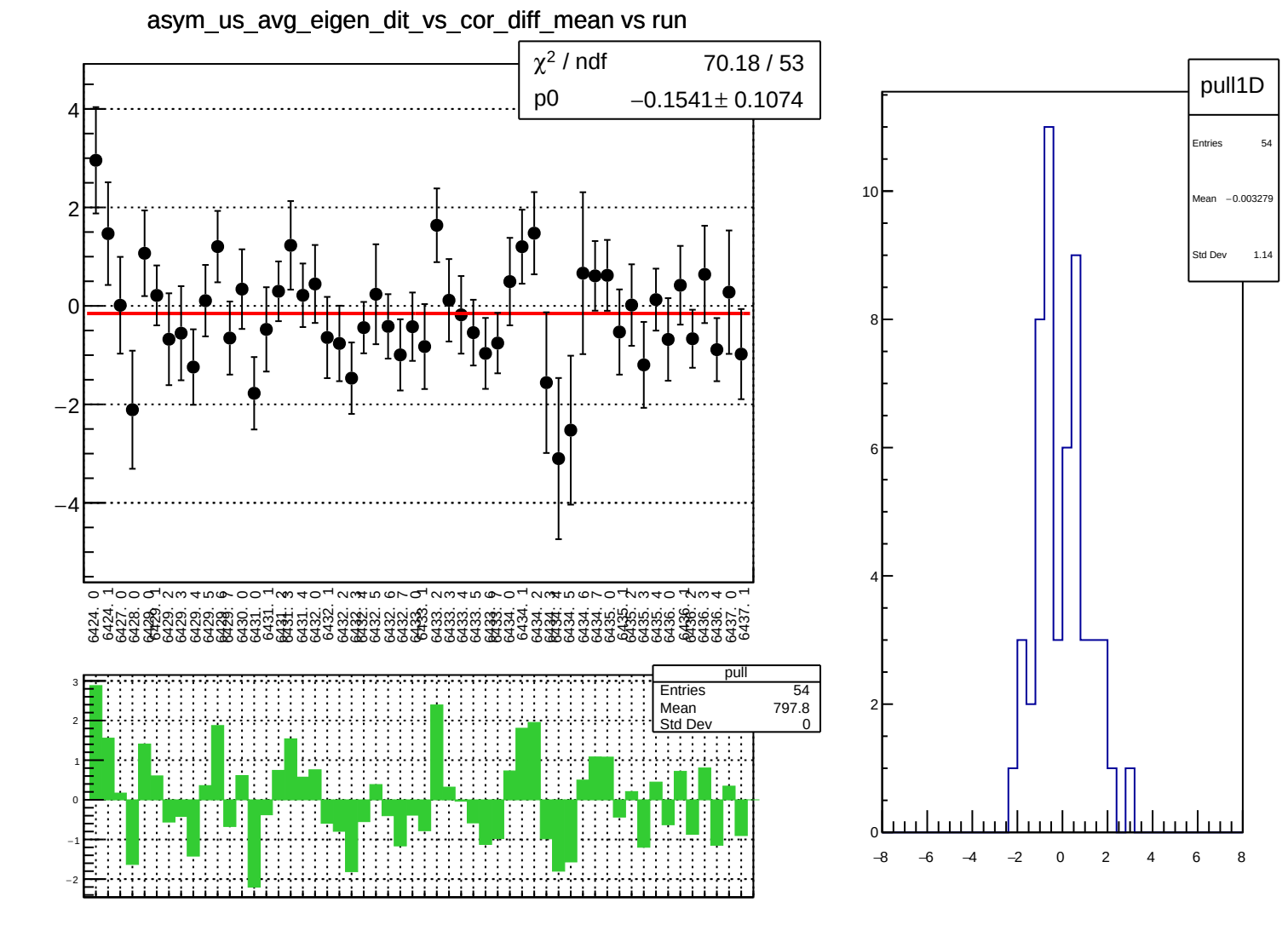
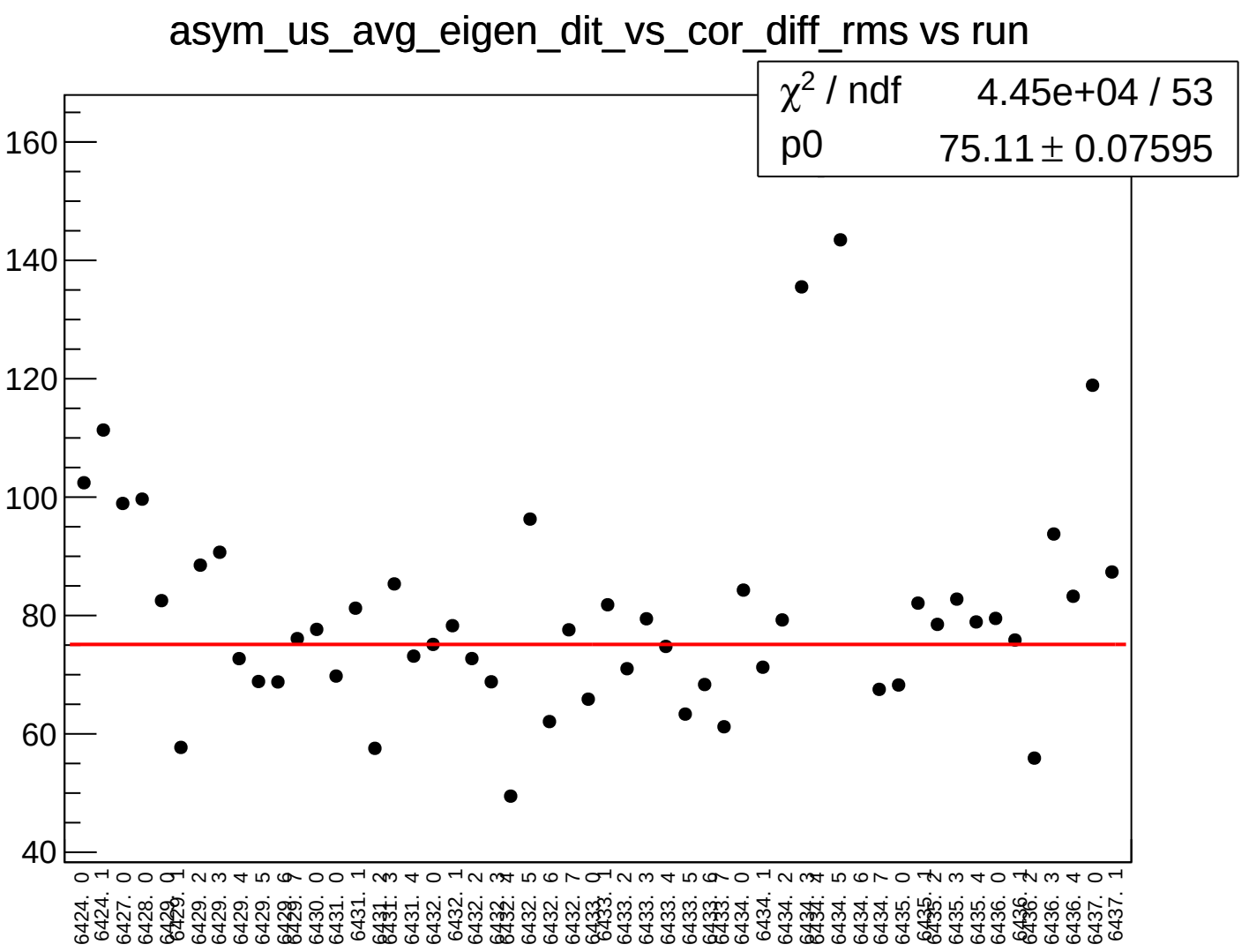
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.18 / 53
p0 −0.1541± 0.1074
pull
Entries 54
Mean 797.8
Std Dev 0
pull1D
Entries 54
Mean −0.003279
Std Dev 1.14


asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.45e+04 / 53
p0 75.11 ± 0.07595
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 6
6432. 7
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6434. 0
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6434. 6
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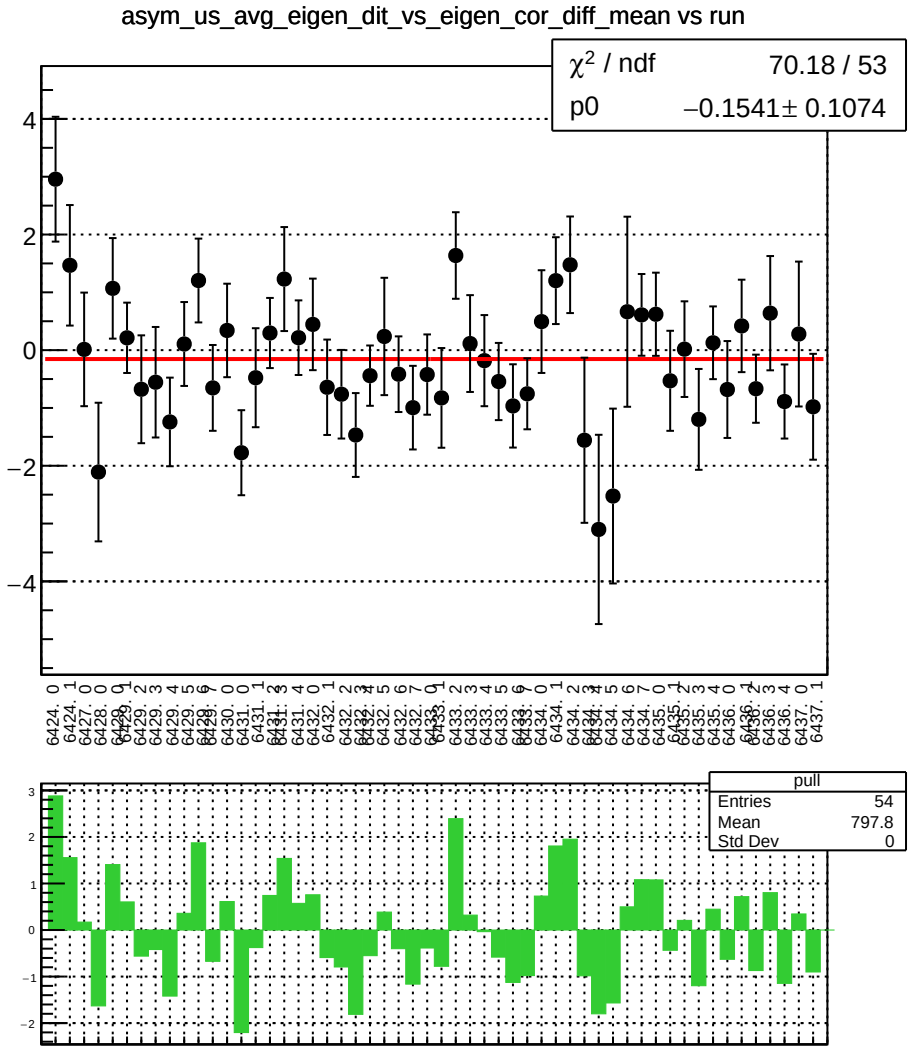
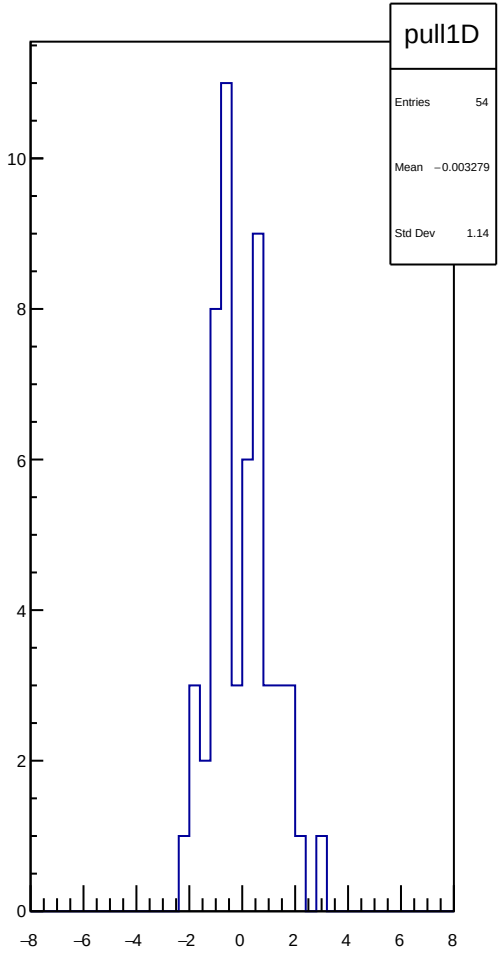
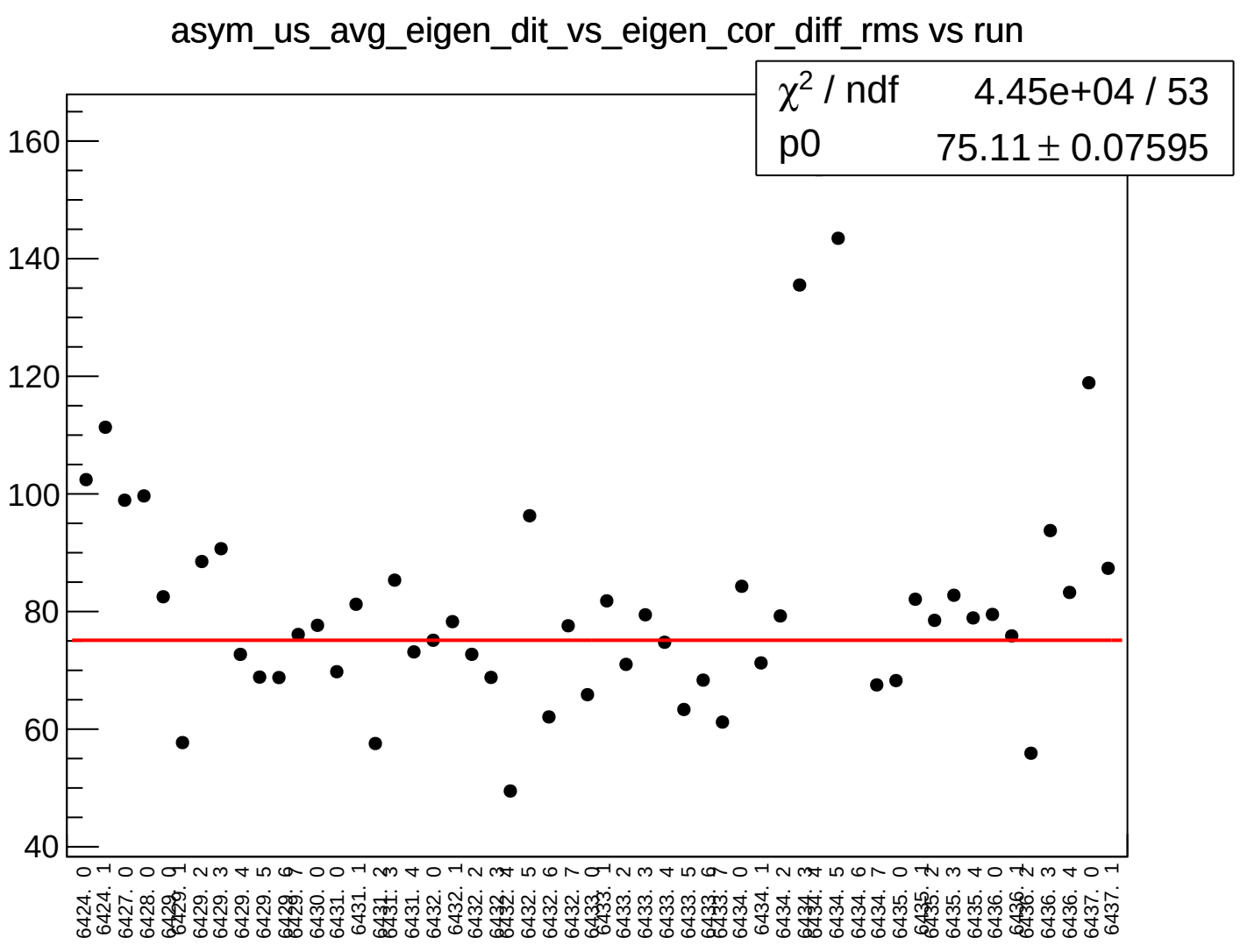
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.18 / 53
p0 −0.1541± 0.1074
pull
Entries 54
Mean 797.8
Std Dev 0


pull1D
Entries 54
Mean −0.003279
Std Dev 1.14


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.45e+04 / 53
p0 75.11 ± 0.07595
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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6434. 5
6434. 6
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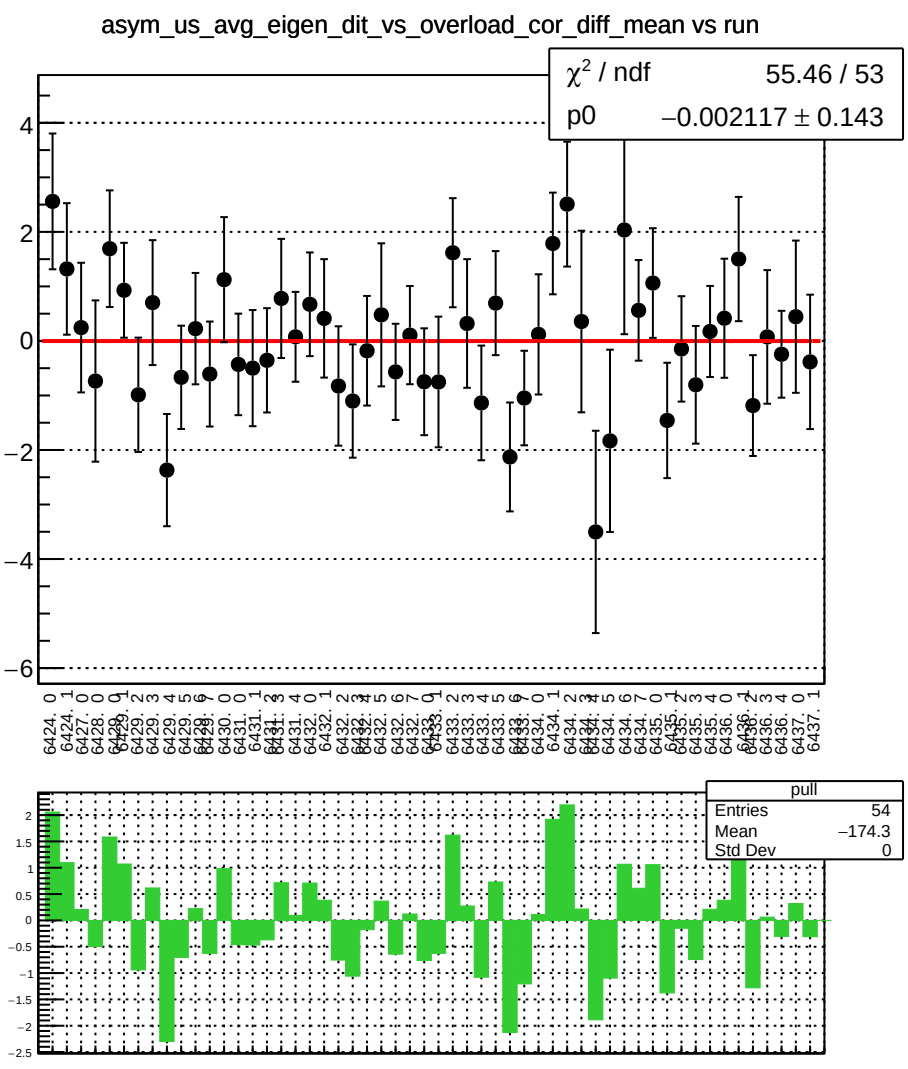
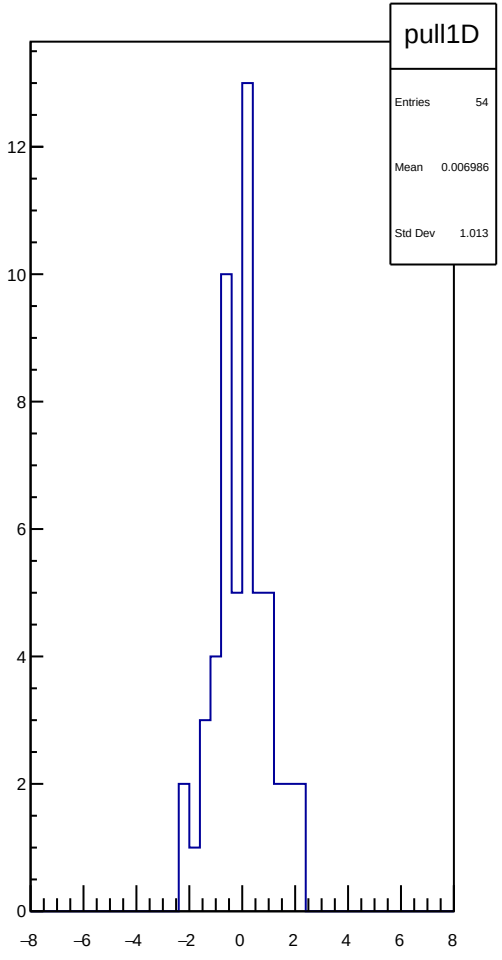
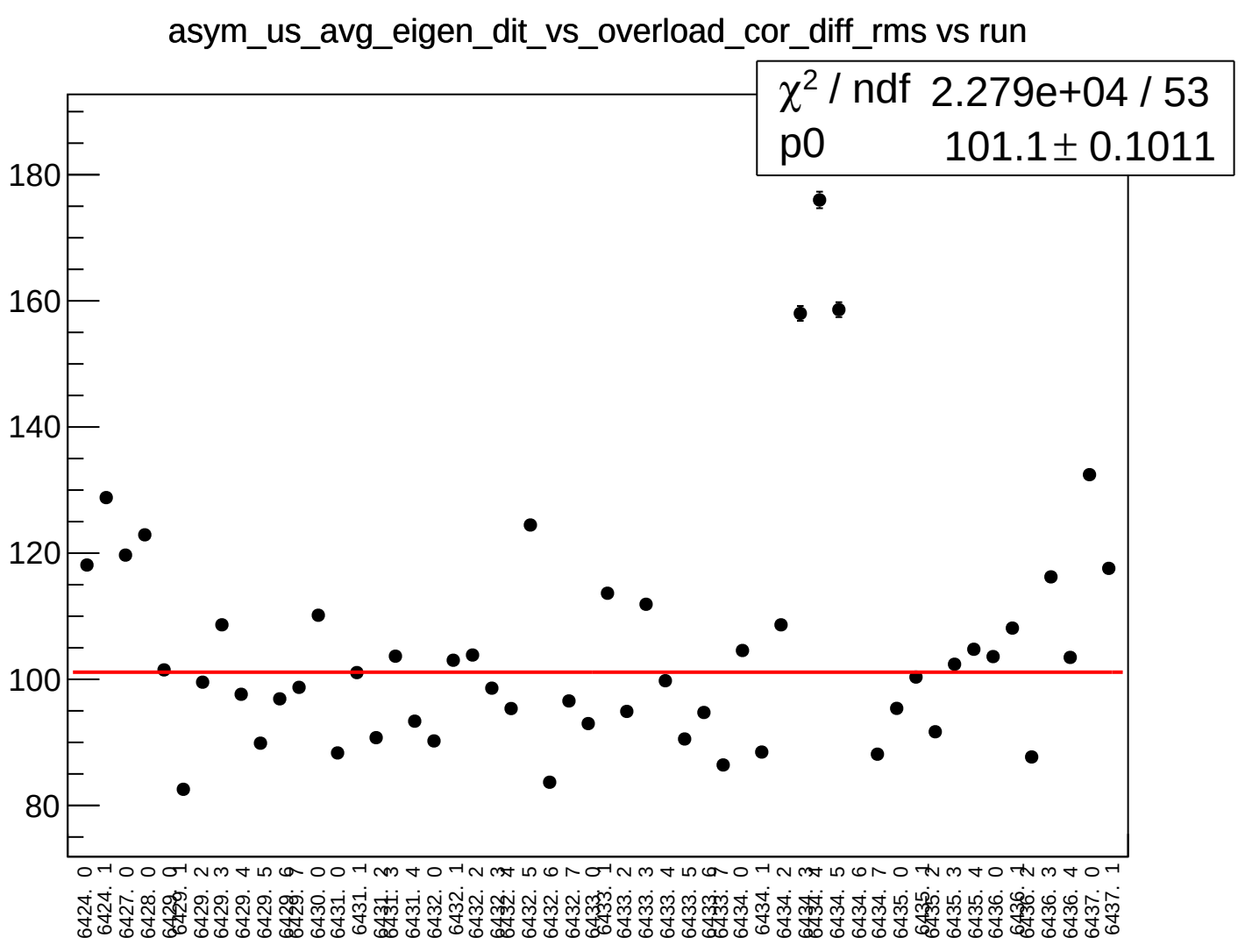
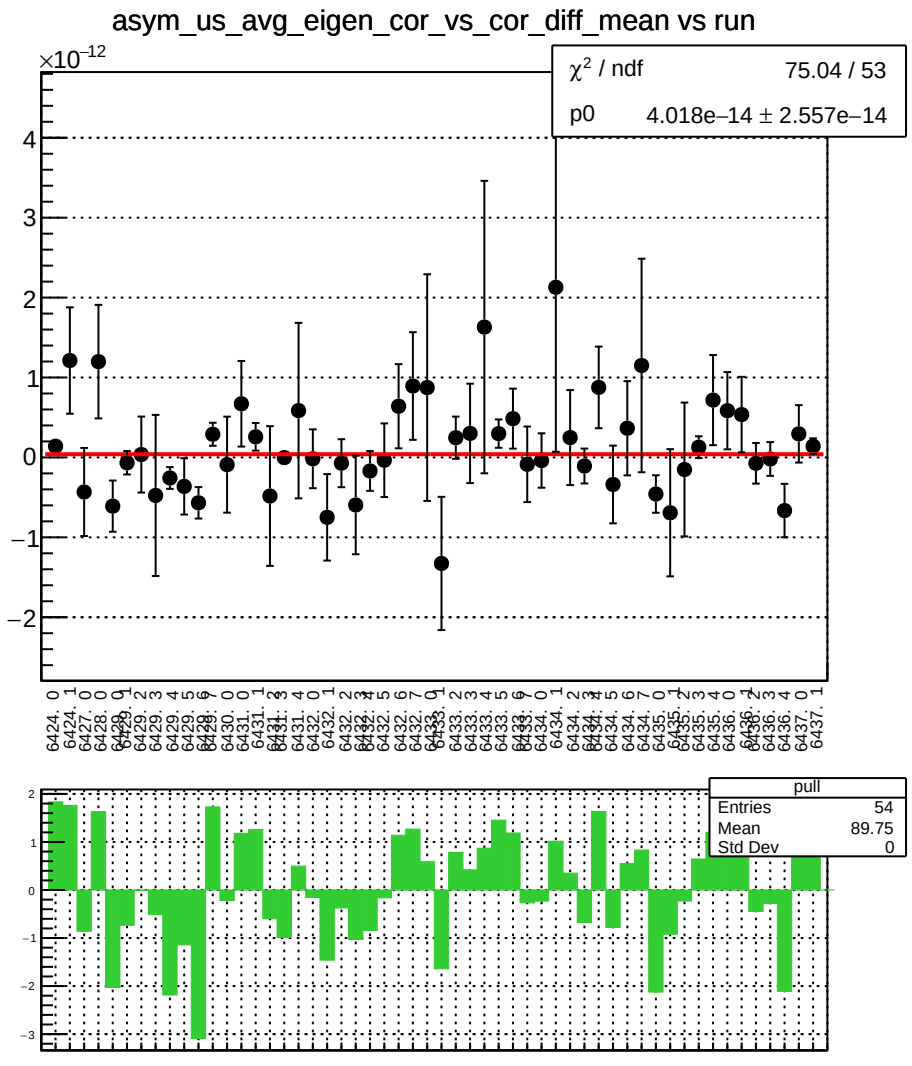
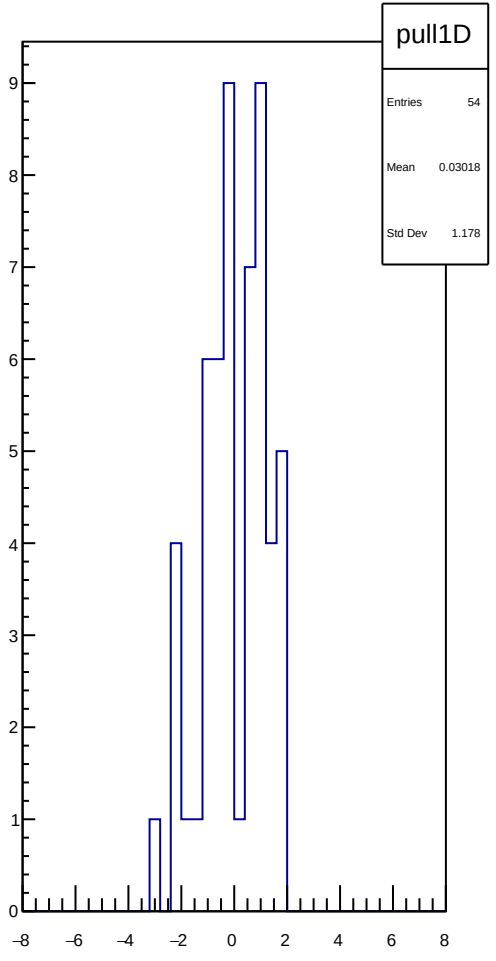
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

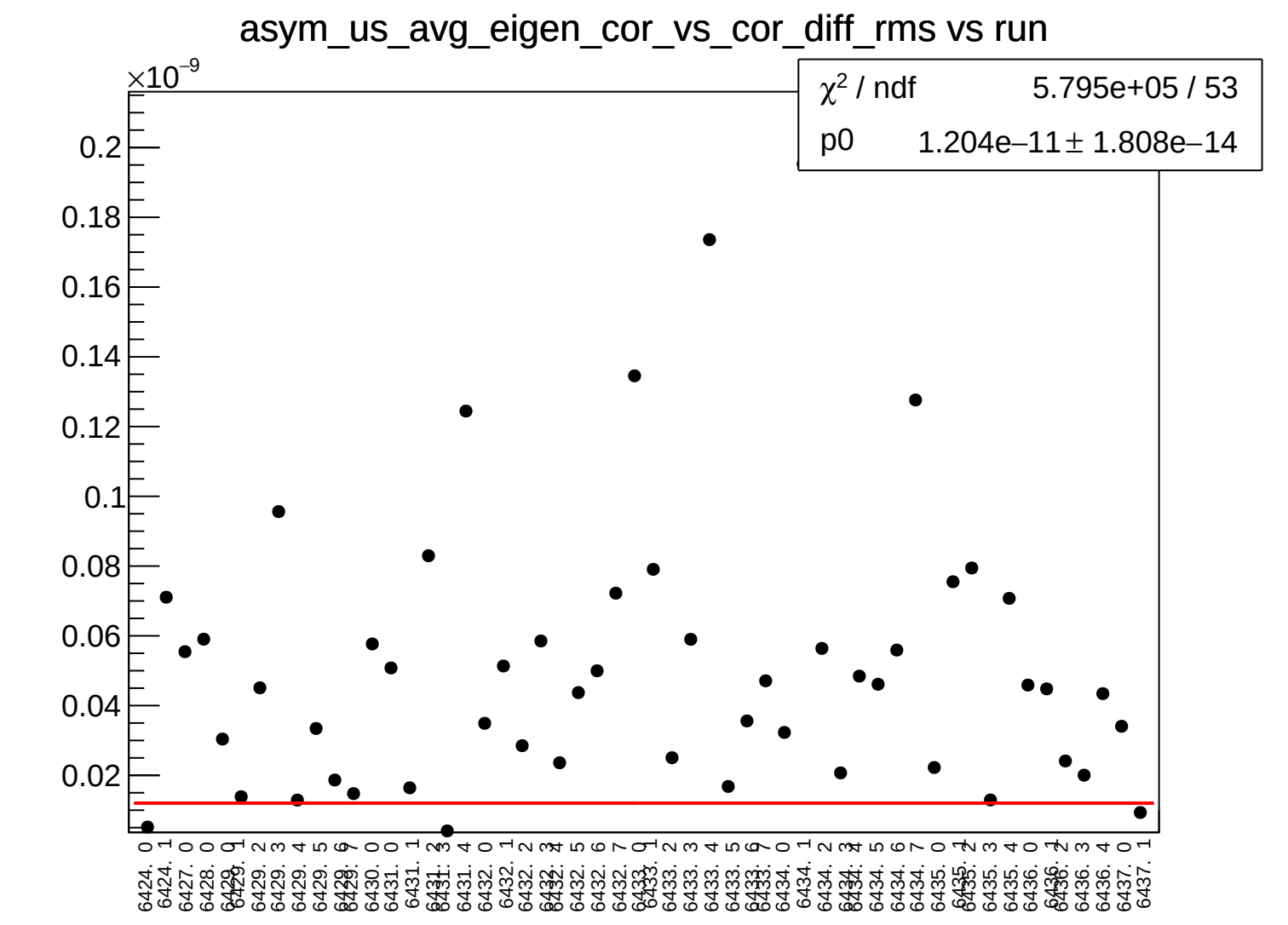

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 55.46 / 53
p0 −0.002117 ± 0.143
pull
Entries 54
Mean −174.3
Std Dev 0

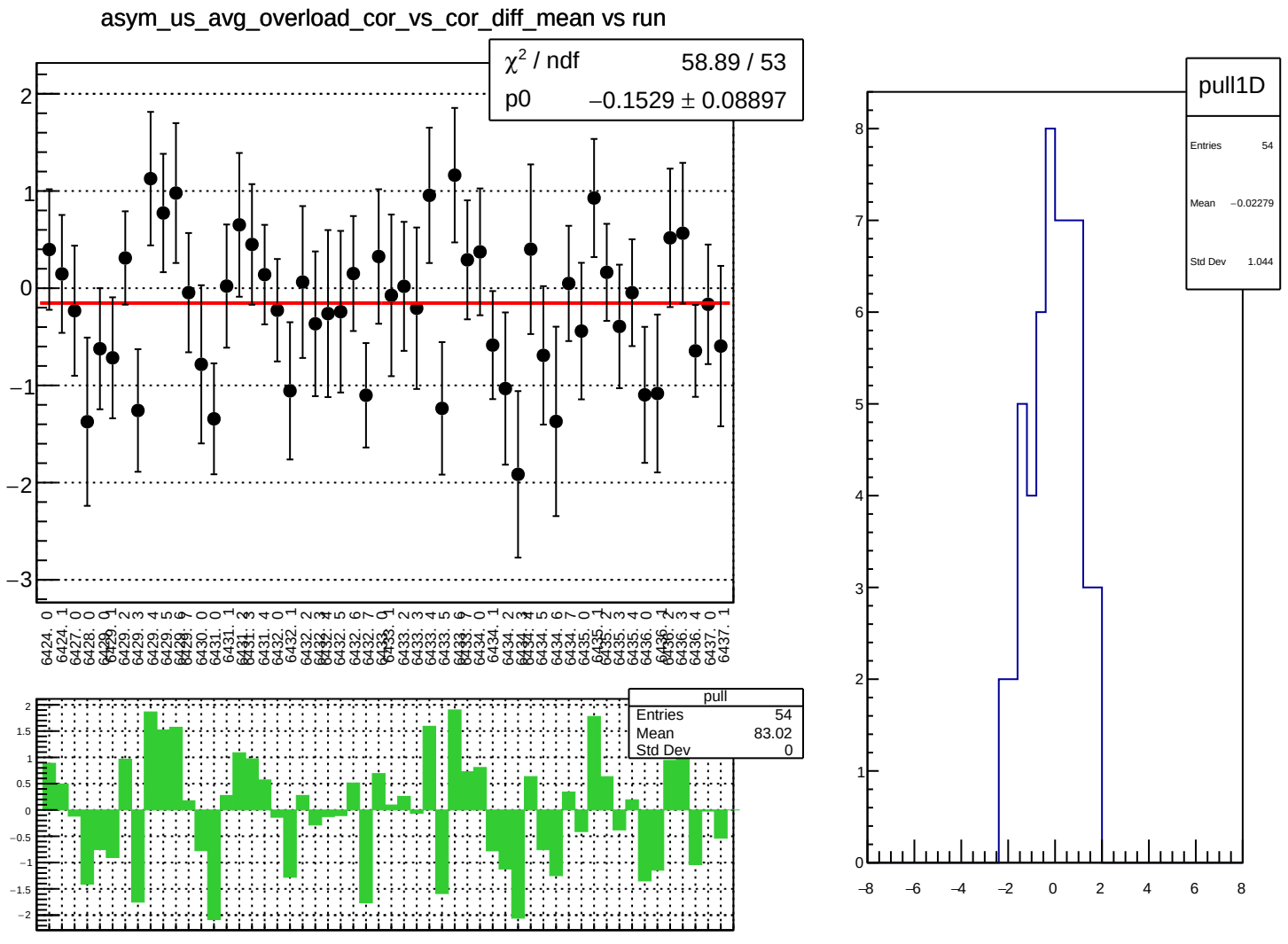

pull1D
Entries 54
Mean 0.006986
Std Dev 1.013

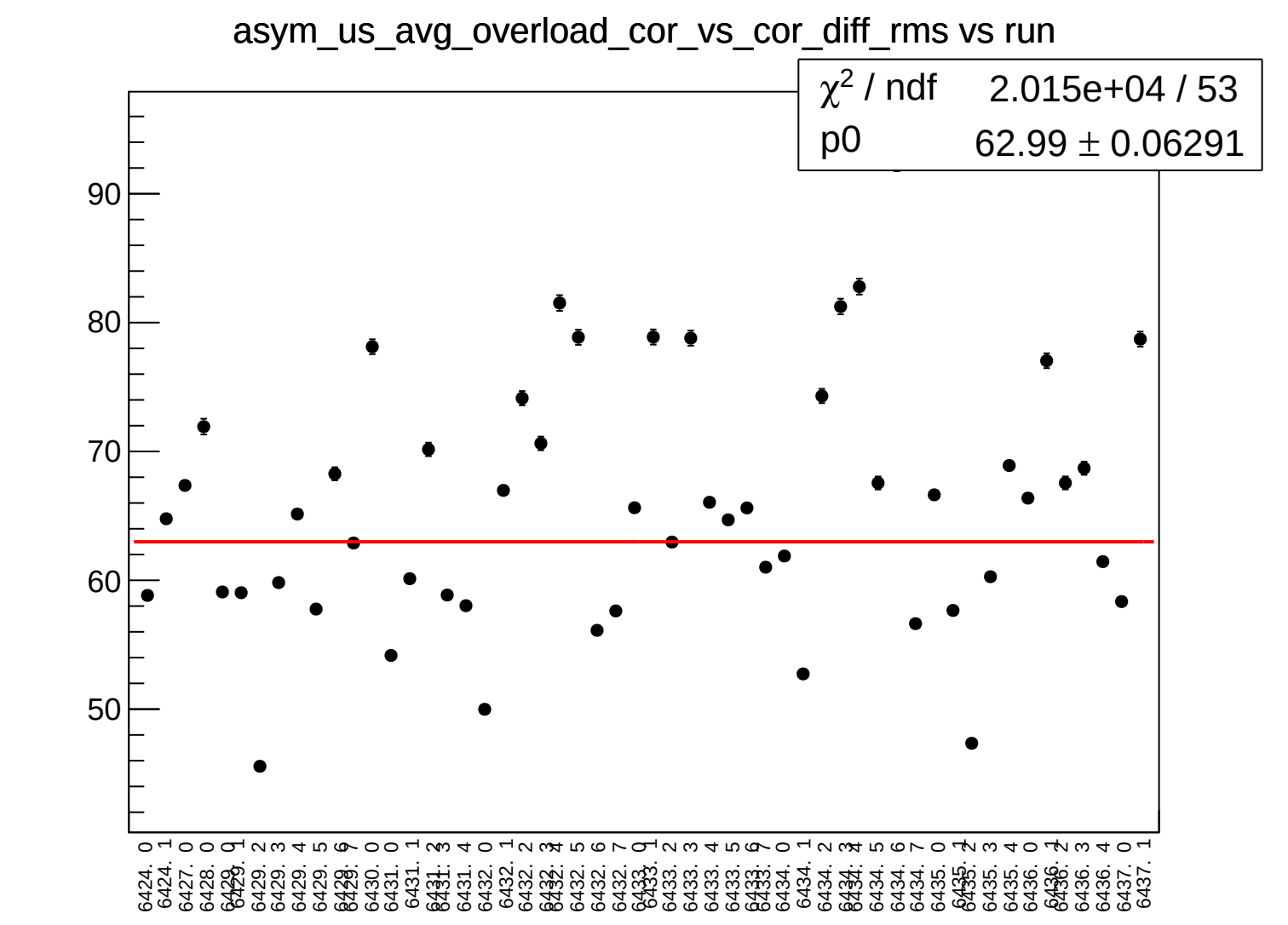

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.279e+04 / 53
p0 101.1 ± 0.1011
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

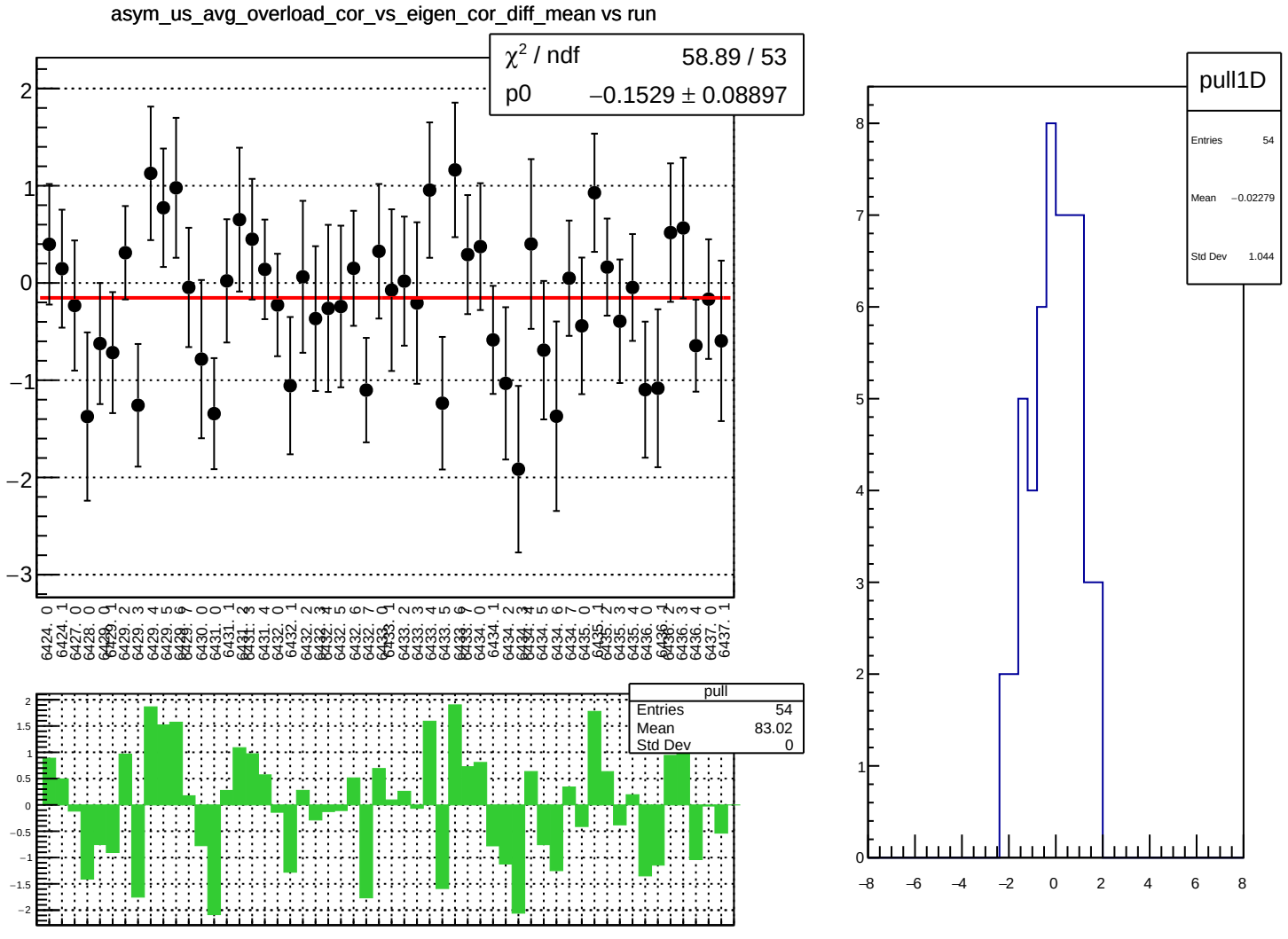

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.04 / 53
p0 4.018e−14 ± 2.557e−14
pull
Entries 54
Mean 89.75
Std Dev 0

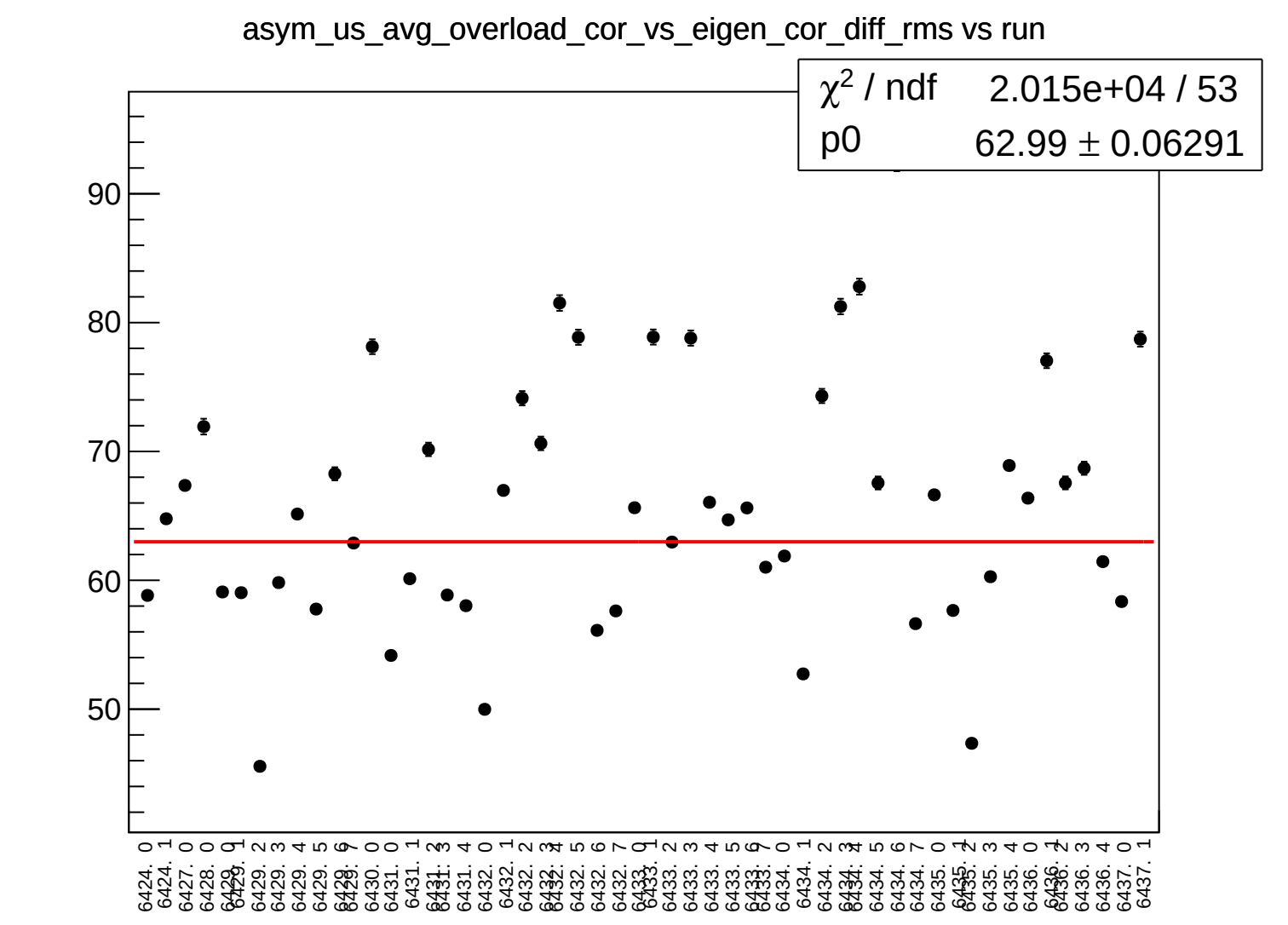

pull1D
Entries 54
Mean 0.03018
Std Dev 1.178

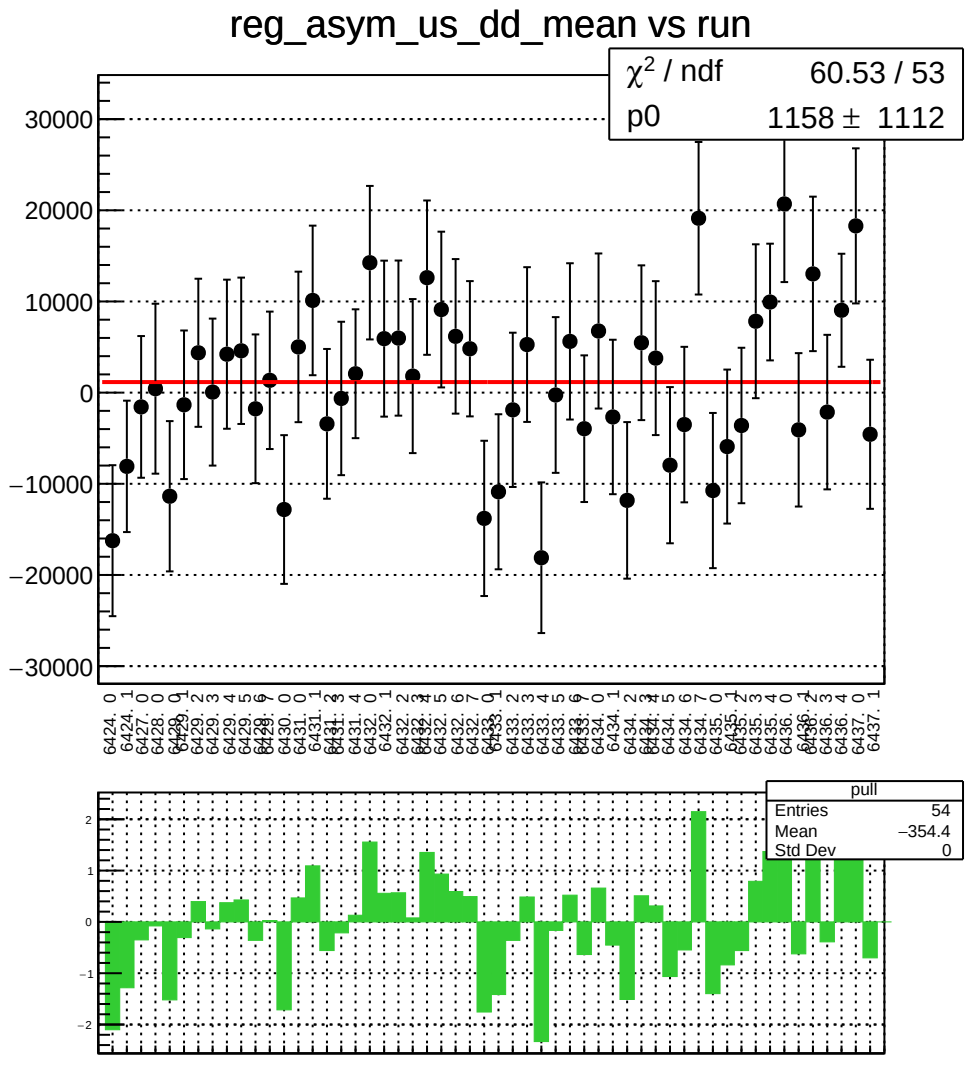

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.795e+05 / 53
p0 1.204e−11 ± 1.808e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

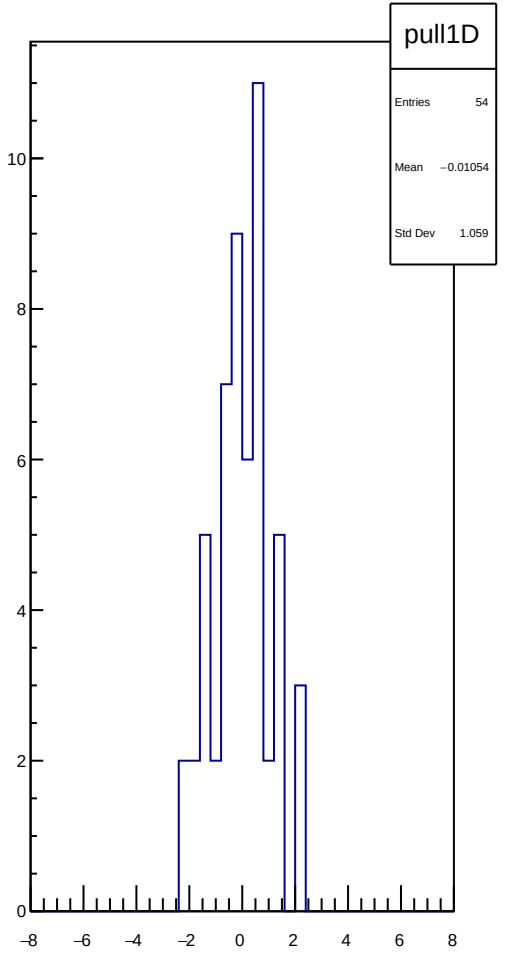

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 58.89 / 53
p0 −0.1529 ± 0.08897
pull
Entries 54
Mean 83.02
Std Dev 0
pull1D
Entries 54
Mean −0.02279
Std Dev 1.044

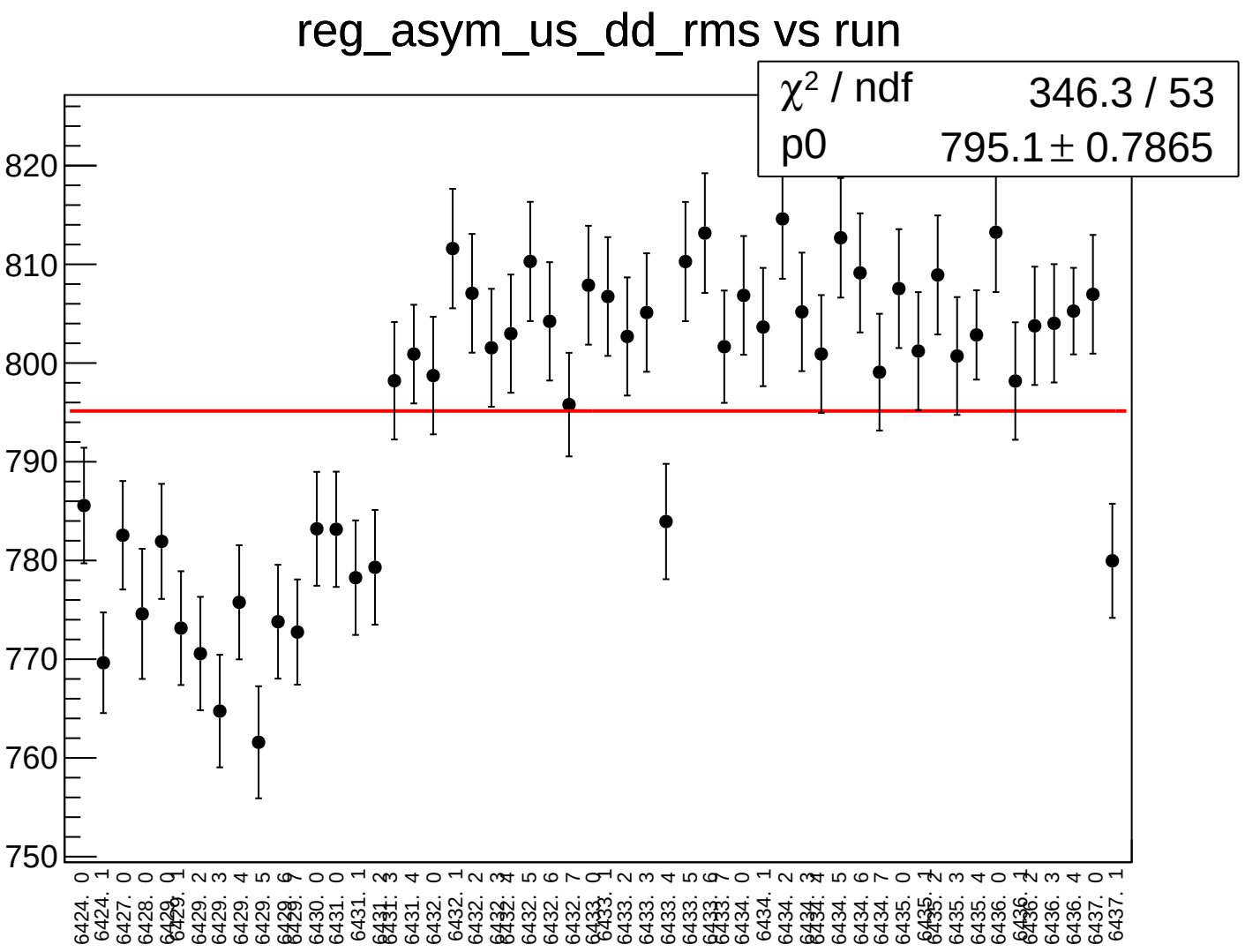

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.015e+04 / 53
p0 62.99 ± 0.06291
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

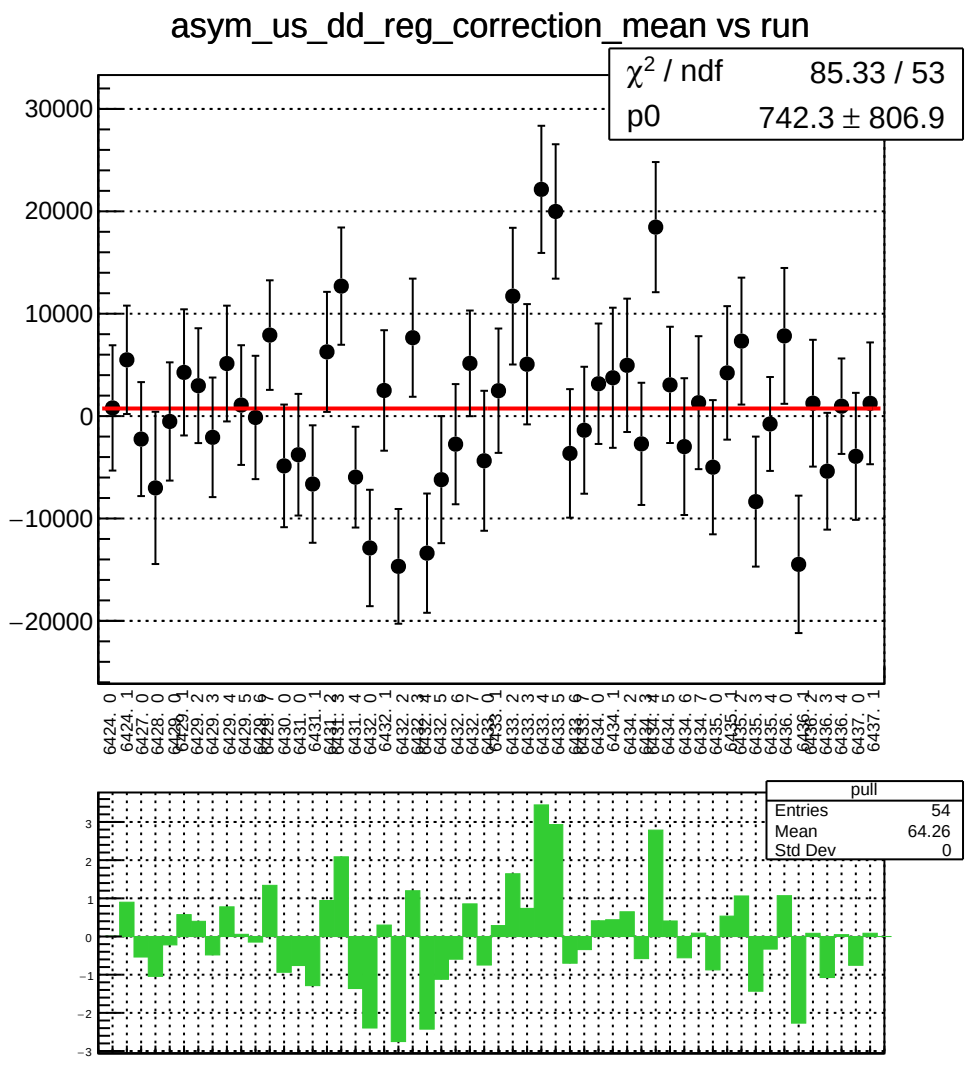

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.89 / 53
p0 −0.1529 ± 0.08897
pull
Entries 54
Mean 83.02
Std Dev 0
pull1D
Entries 54
Mean −0.02279
Std Dev 1.044

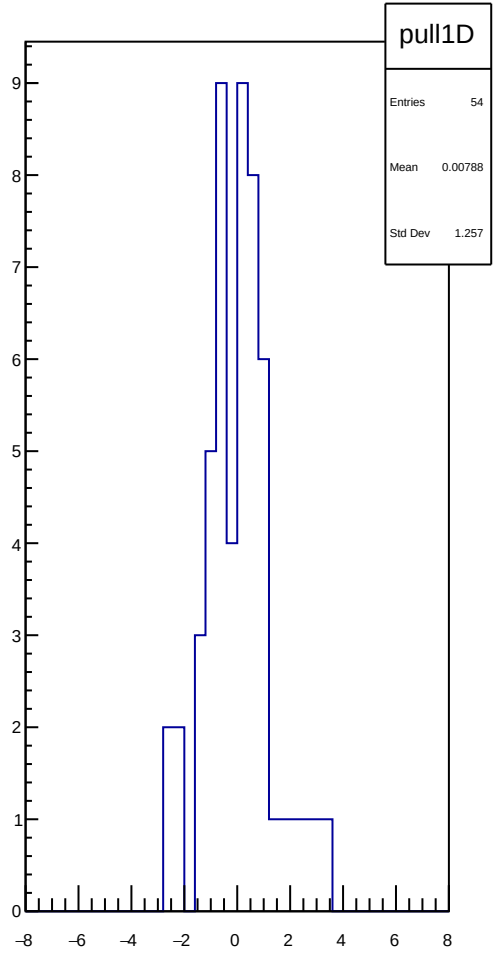

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.015e+04 / 53
p0 62.99 ± 0.06291
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

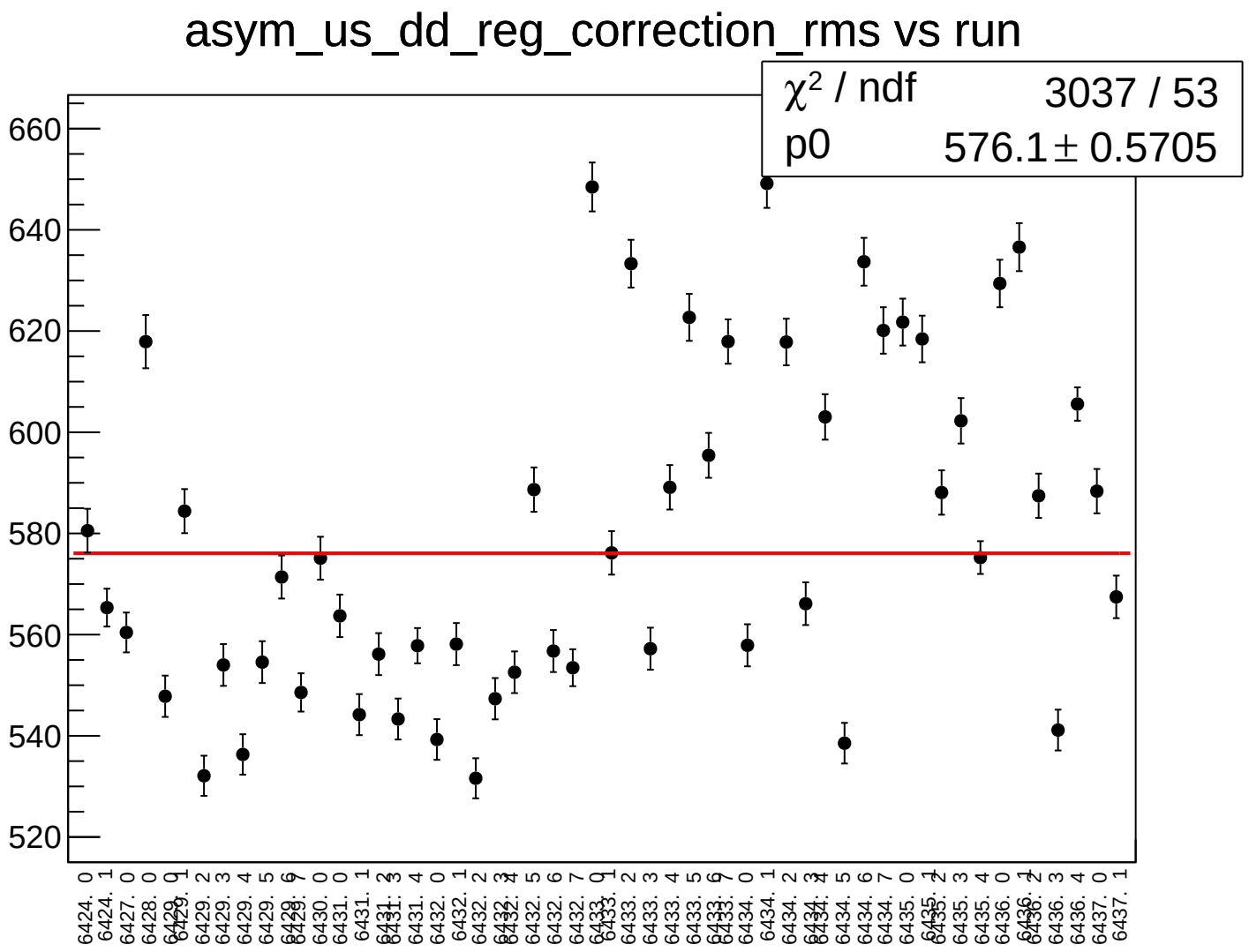

reg_asym_us_dd_mean vs run
χ² / ndf 60.53 / 53
p0 1158 ± 1112
pull
Entries 54
Mean −354.4
Std Dev 0

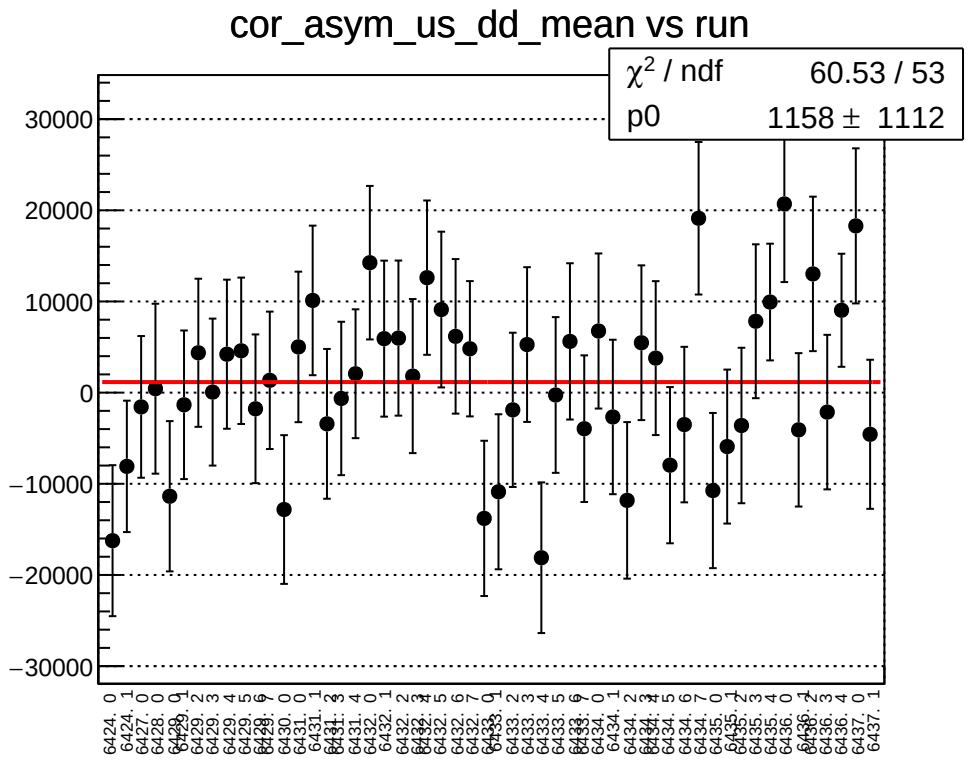

pull1D
Entries 54
Mean −0.01054
Std Dev 1.059

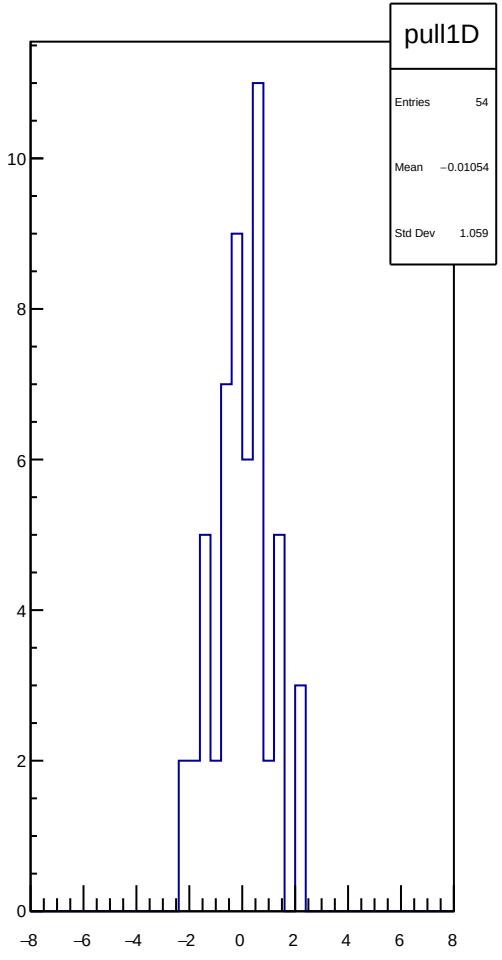

reg_asym_us_dd_rms vs run
χ² / ndf 346.3 / 53
p0 795.1 ± 0.7865
820
810
800
790
780
770
760
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

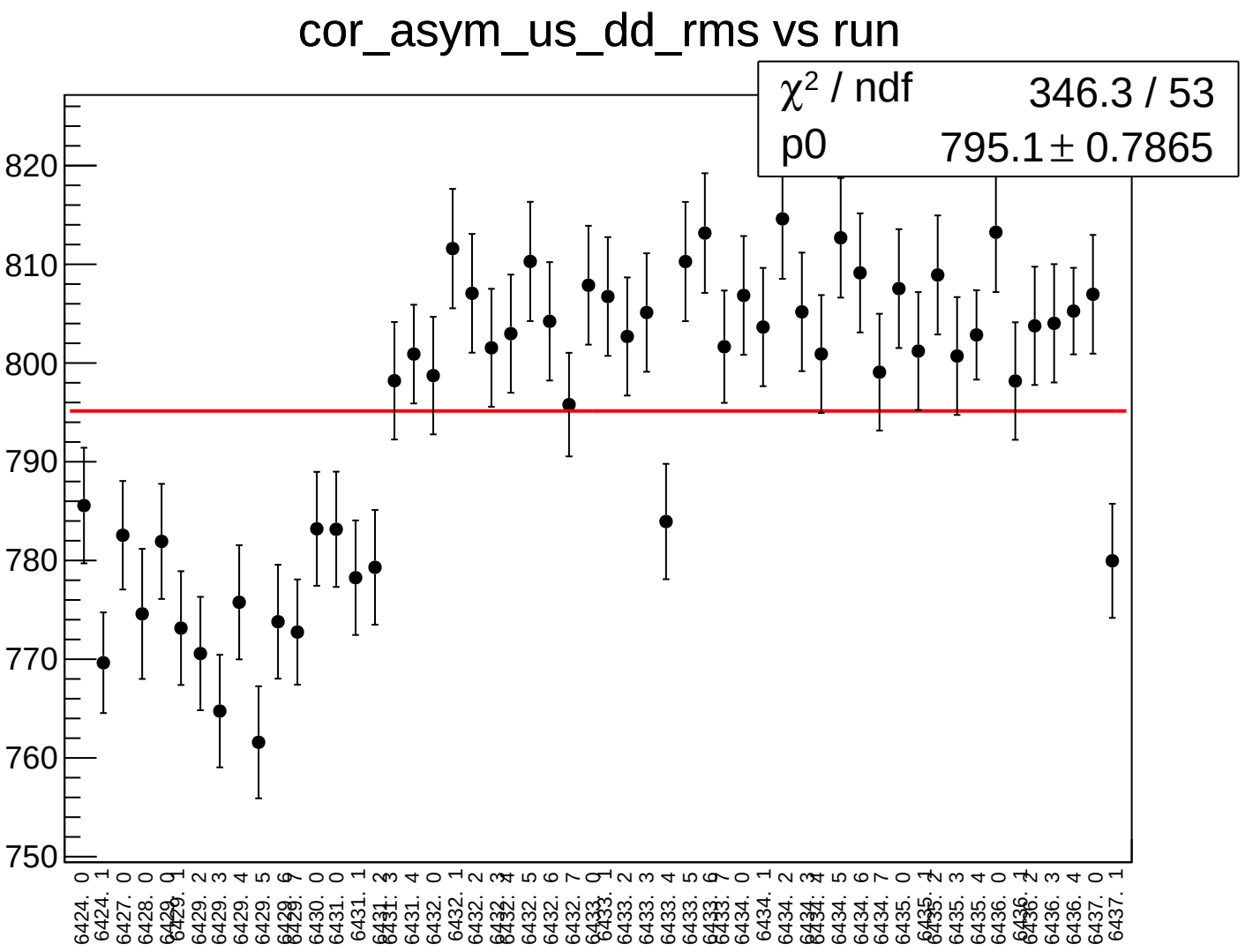

asym_us_dd_reg_correction_mean vs run
χ² / ndf 85.33 / 53
p0 742.3 ± 806.9
pull
Entries 54
Mean 64.26
Std Dev 0

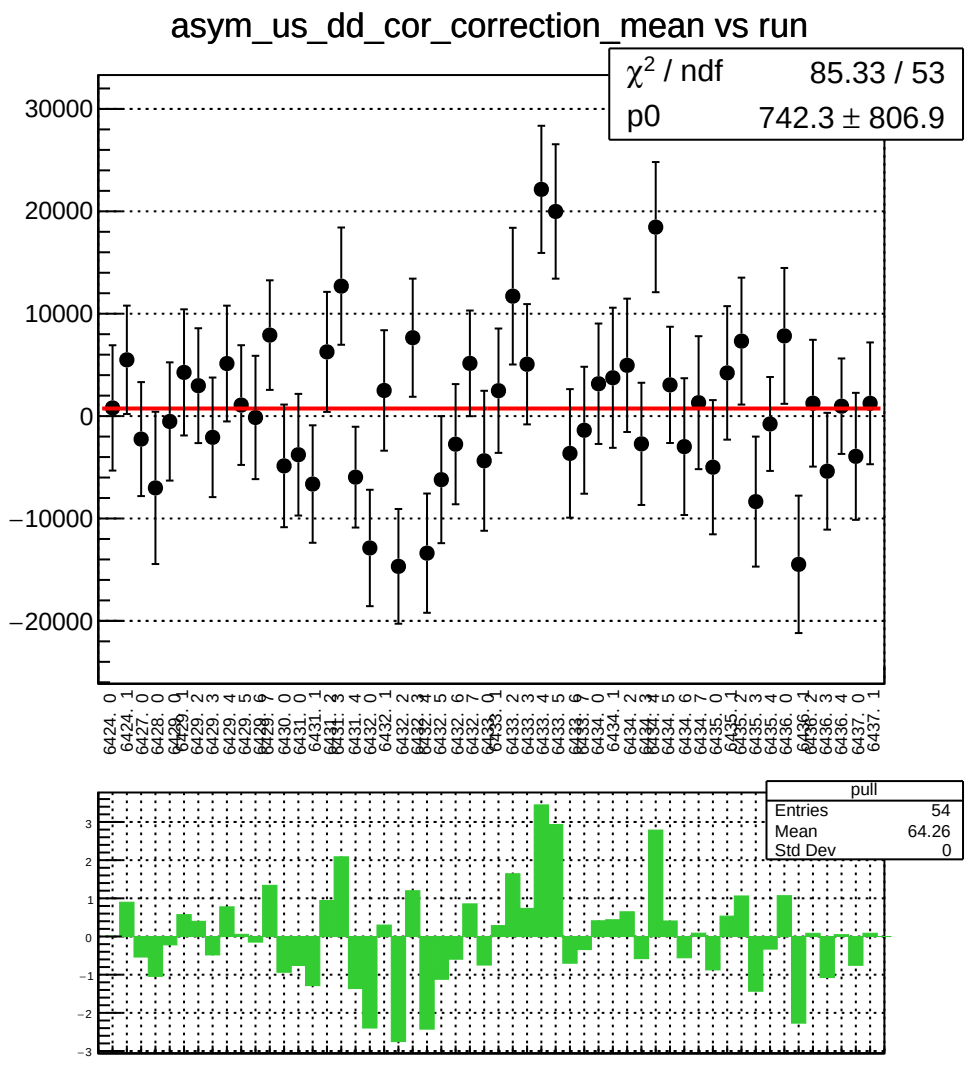

pull1D
Entries 54
Mean 0.00788
Std Dev 1.257

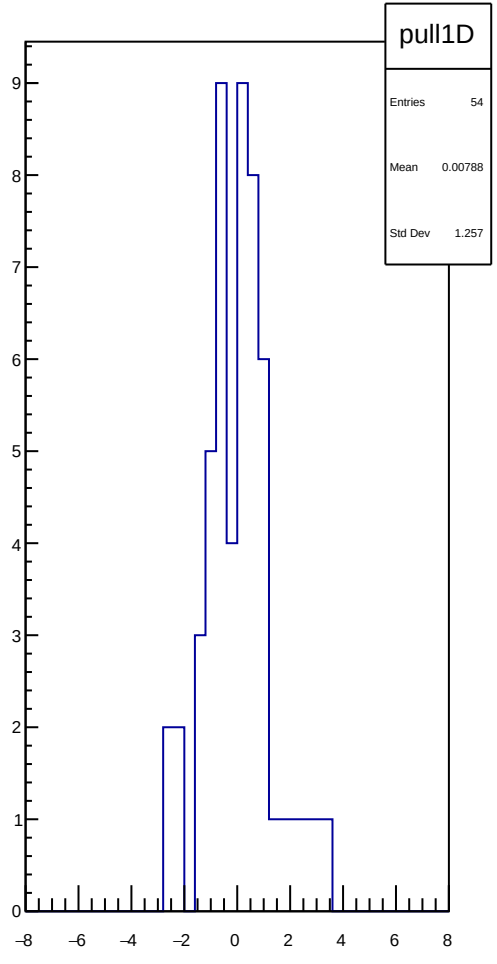

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3037 / 53
p0 576.1 ± 0.5705
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

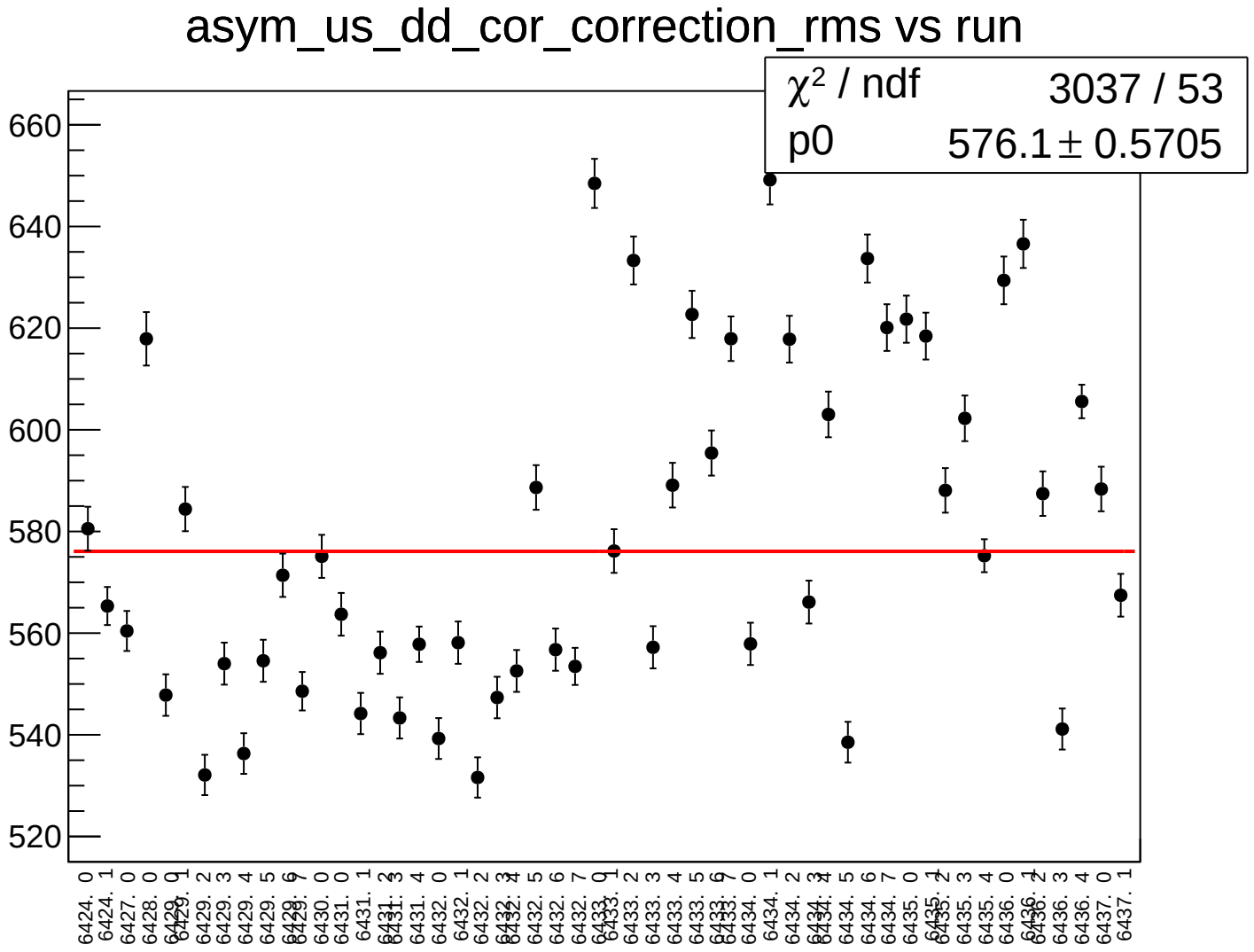

cor_asym_us_dd_mean vs run
χ^2 / ndf 60.53 / 53
p0 1158 ± 1112
30000
20000
10000
0
−10000
−20000
−30000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −354.4
Std Dev 0
2
1
0
−1
−2

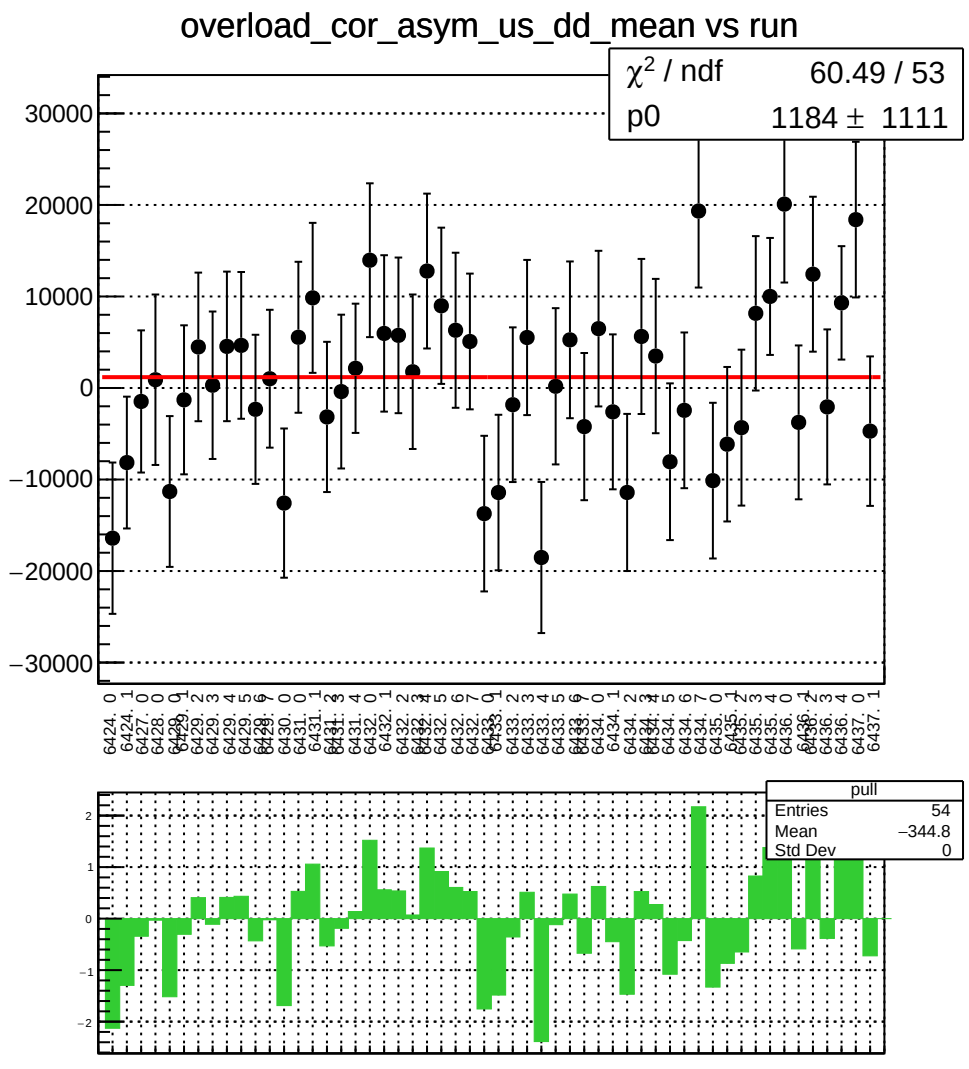

pull1D
Entries 54
Mean −0.01054
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

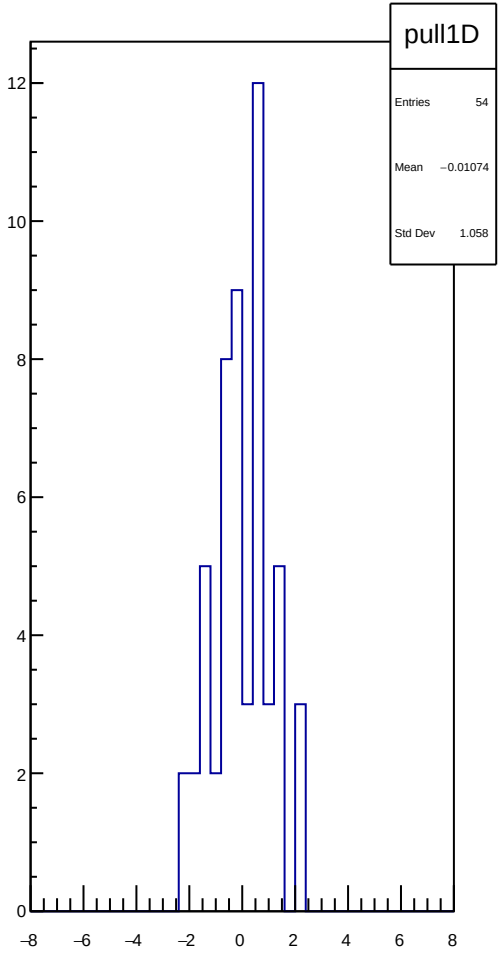

cor_asym_us_dd_rms vs run
χ² / ndf 346.3 / 53
p0 795.1 ± 0.7865
820
810
800
790
780
770
760
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

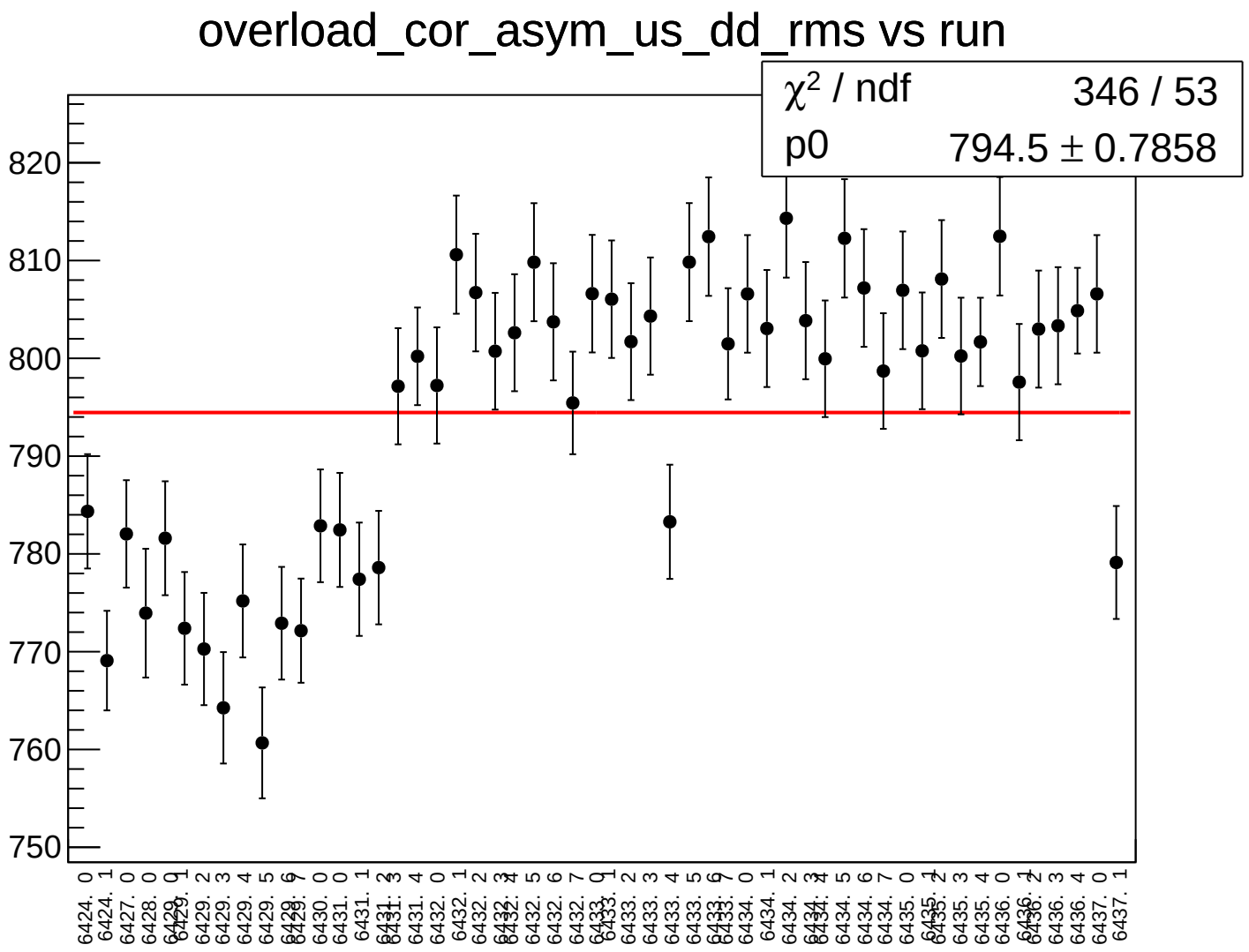

asym_us_dd_cor_correction_mean vs run
χ² / ndf 85.33 / 53
p0 742.3 ± 806.9
pull
Entries 54
Mean 64.26
Std Dev 0

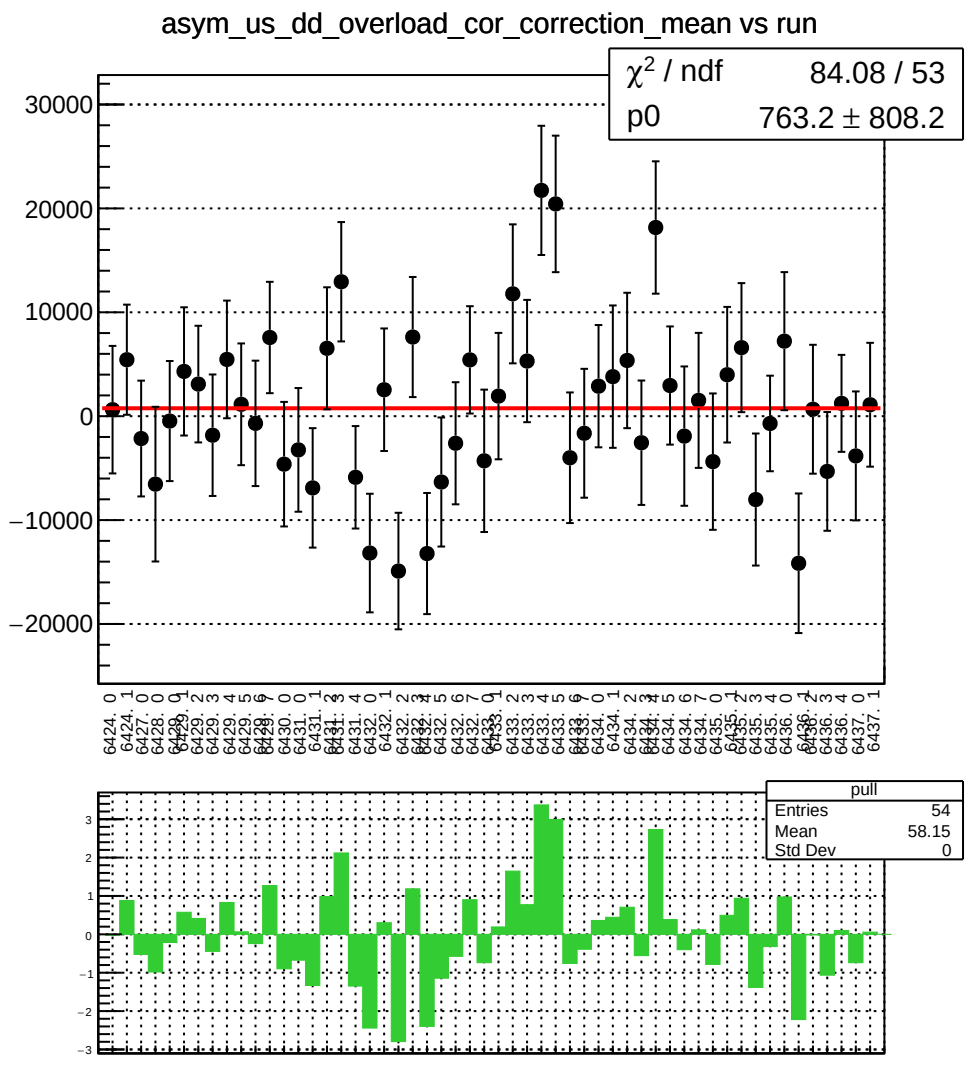

pull1D
Entries 54
Mean 0.00788
Std Dev 1.257

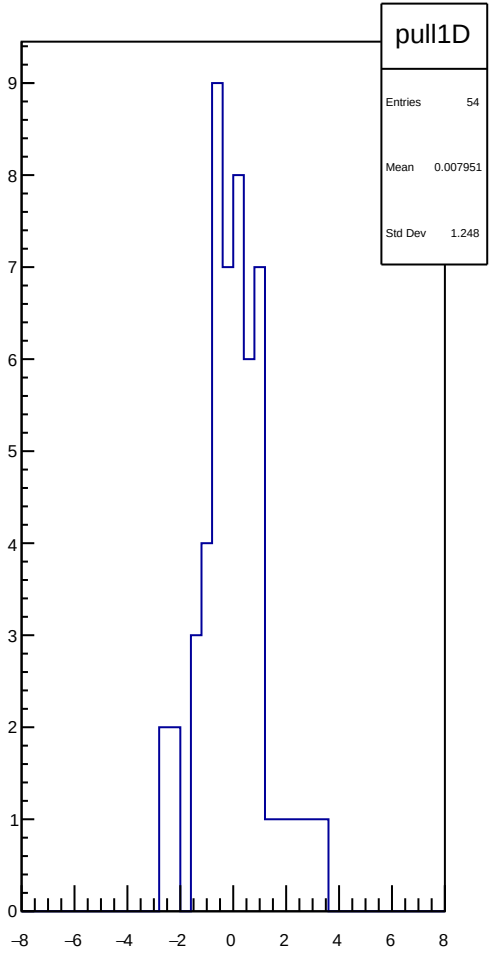

asym_us_dd_cor_correction_rms vs run
χ² / ndf 3037 / 53
p0 576.1 ± 0.5705
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

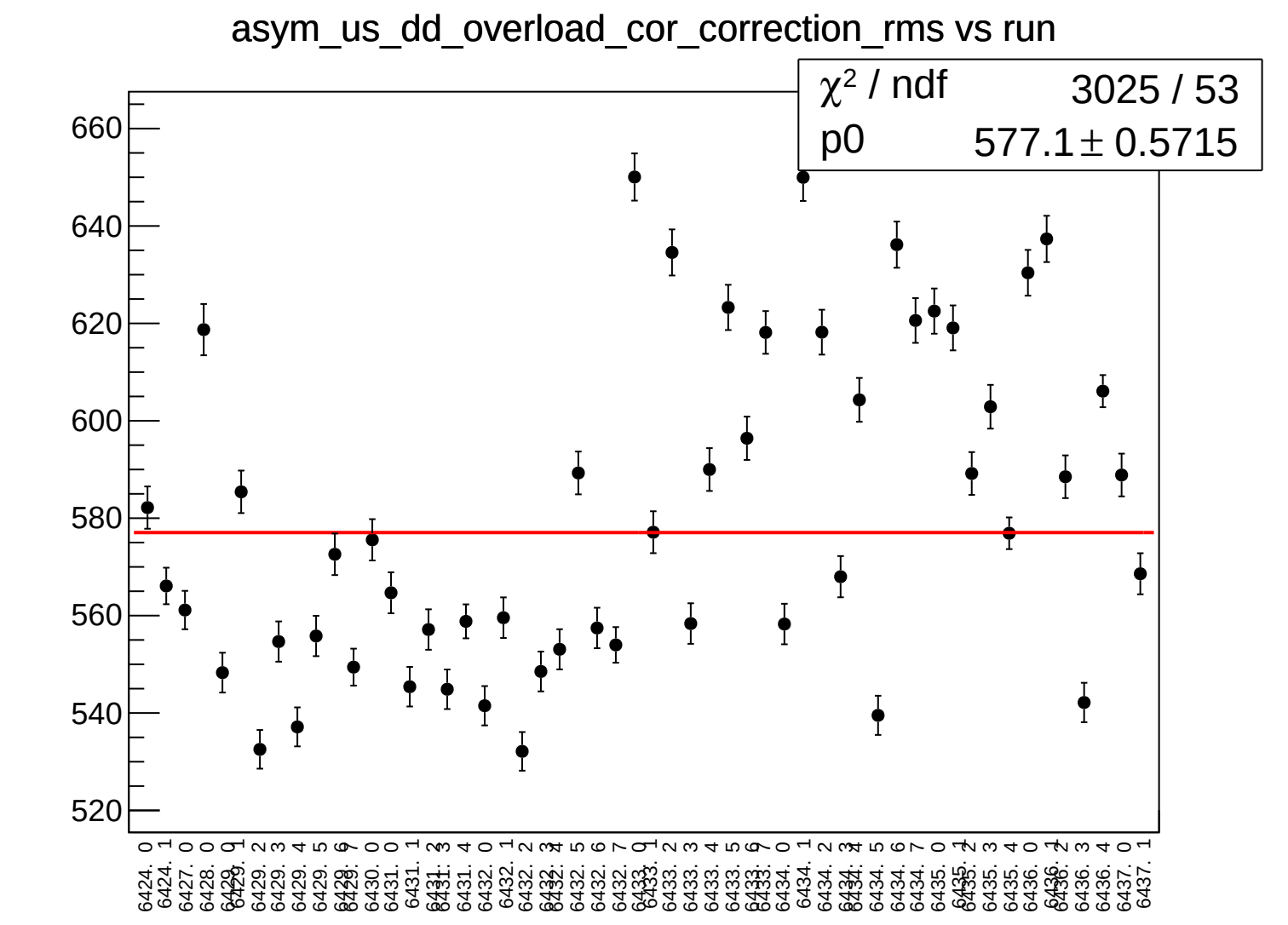

overload_cor_asym_us_dd_mean vs run
χ² / ndf 60.49 / 53
p0 1184 ± 1111
pull
Entries 54
Mean −344.8
Std Dev 0

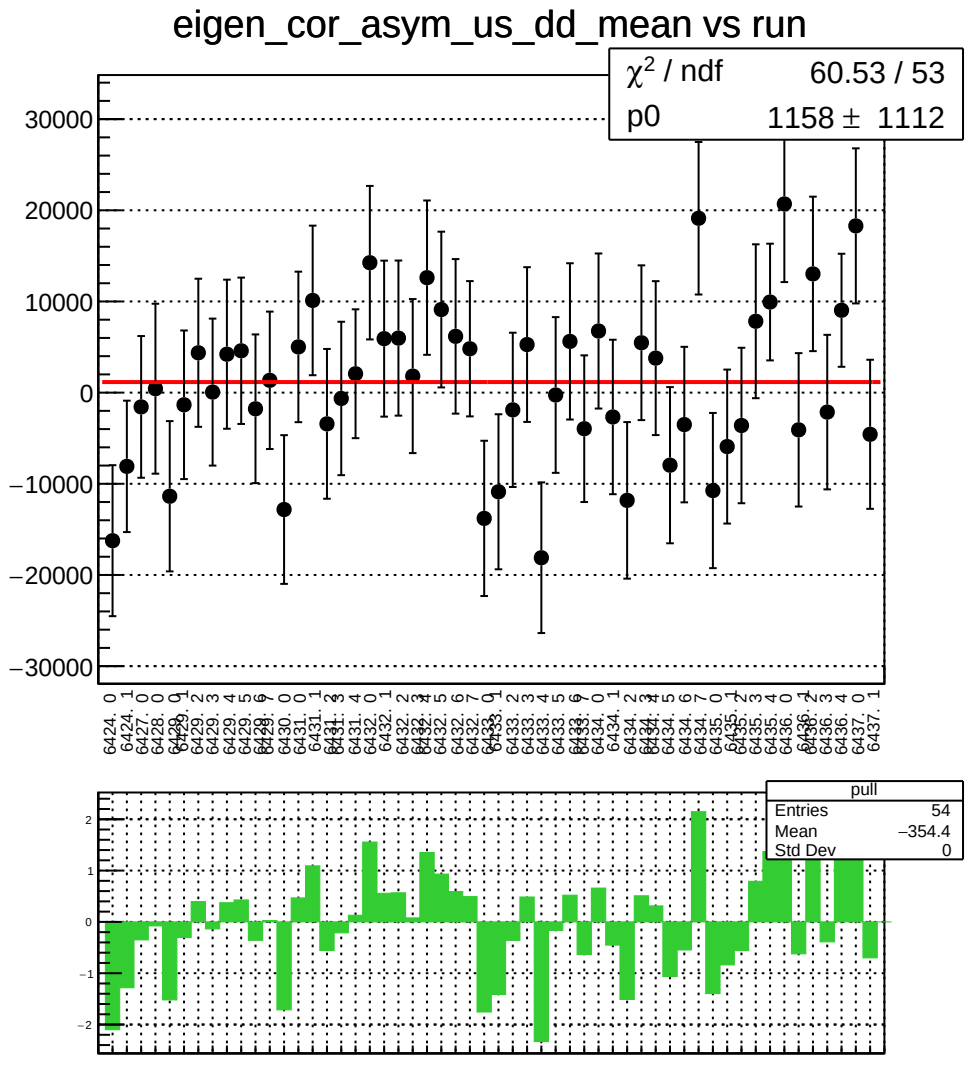

pull1D
Entries 54
Mean −0.01074
Std Dev 1.058

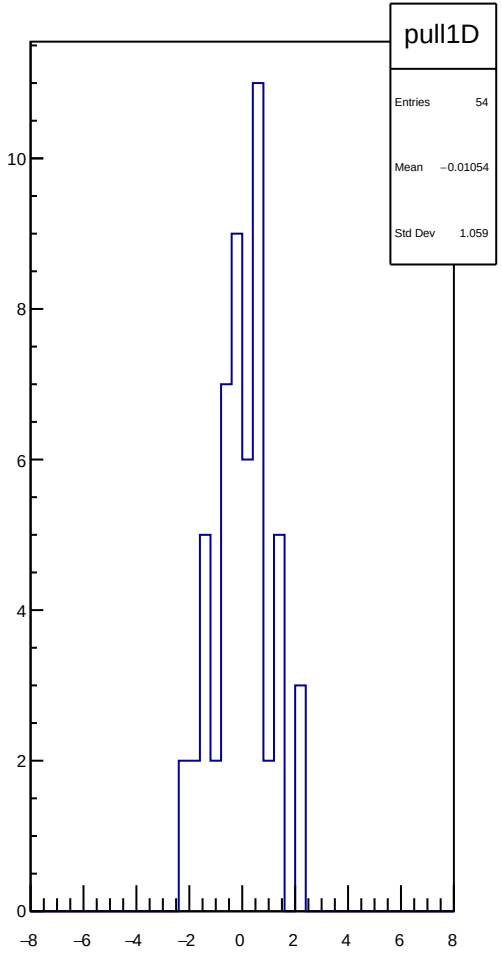

overload_cor_asym_us_dd_rms vs run
χ² / ndf 346 / 53
p0 794.5 ± 0.7858
820
810
800
790
780
770
760
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

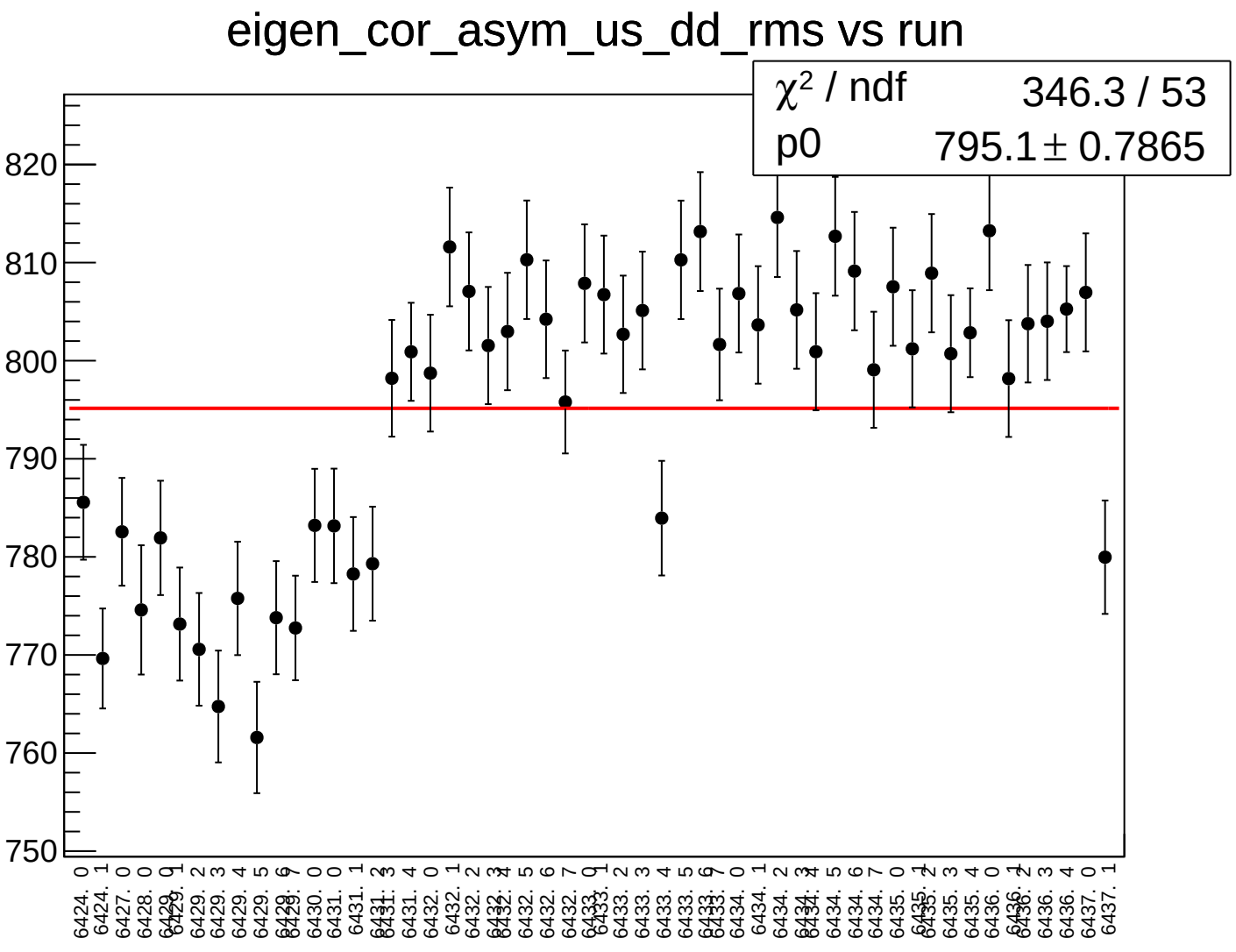

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 84.08 / 53
p0 763.2 ± 808.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 58.15
Std Dev 0
3
2
1
0
−1
−2
−3

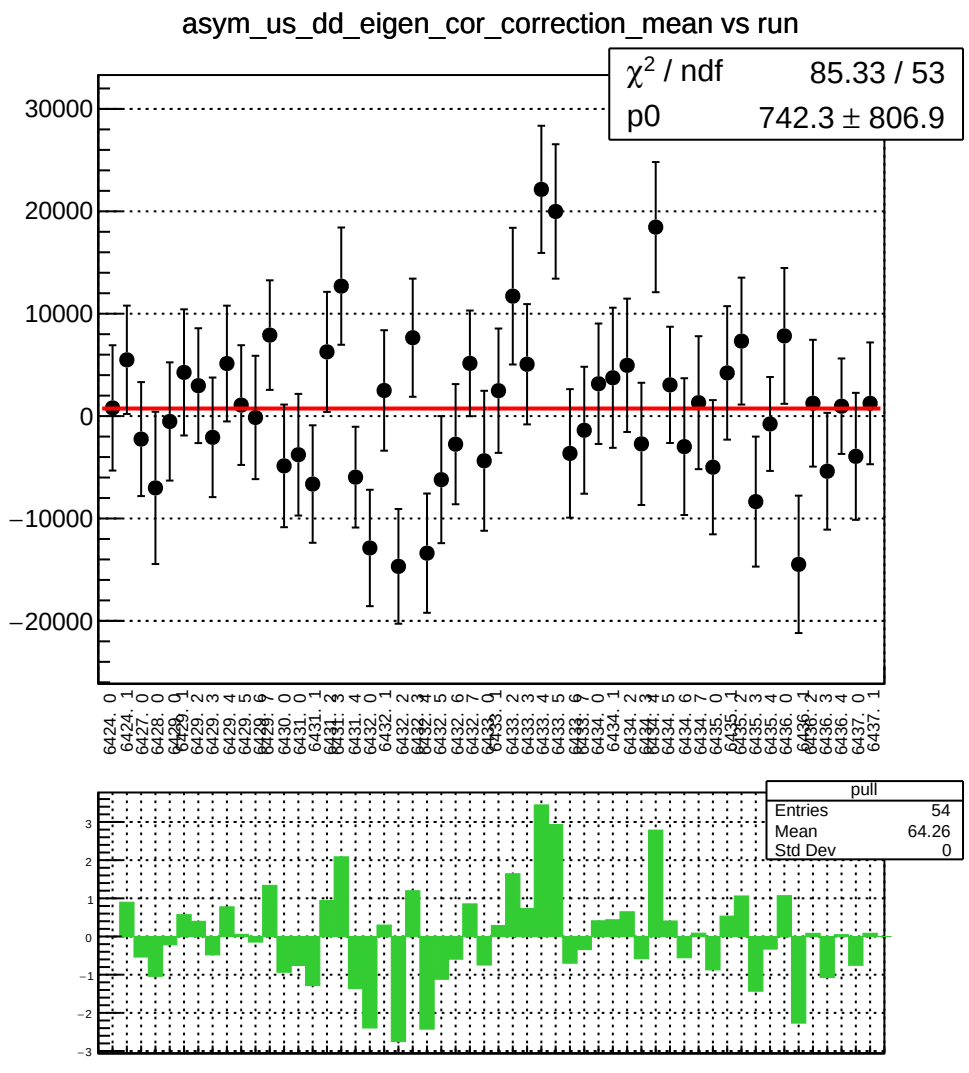

pull1D
Entries 54
Mean 0.007951
Std Dev 1.248
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

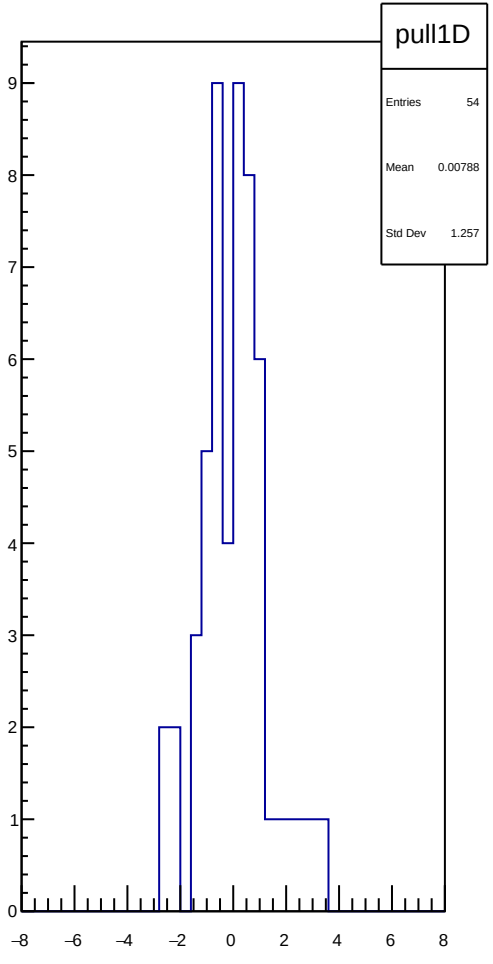

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3025 / 53
p0 577.1 ± 0.5715
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

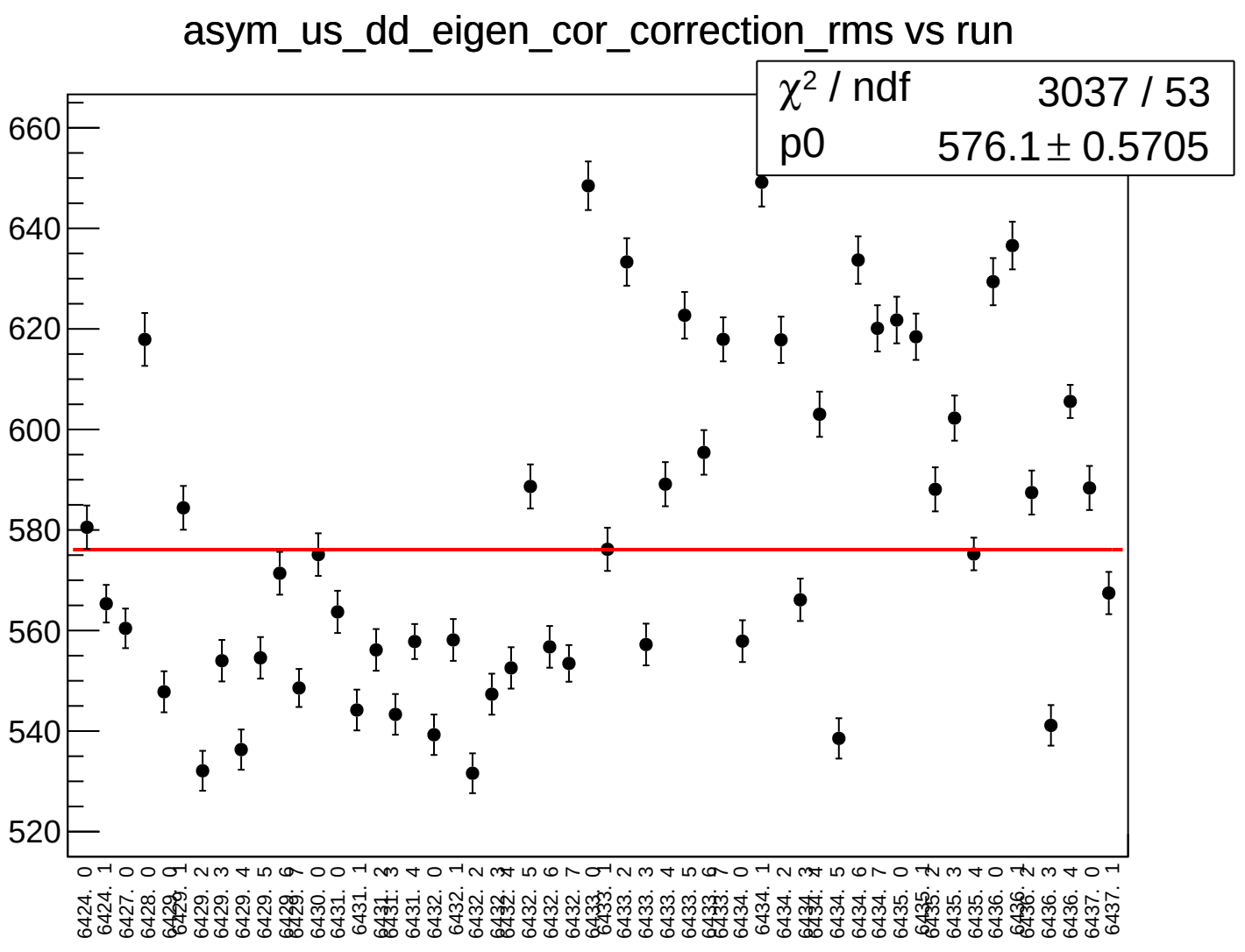

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 60.53 / 53
p0 1158 ± 1112
pull
Entries 54
Mean −354.4
Std Dev 0

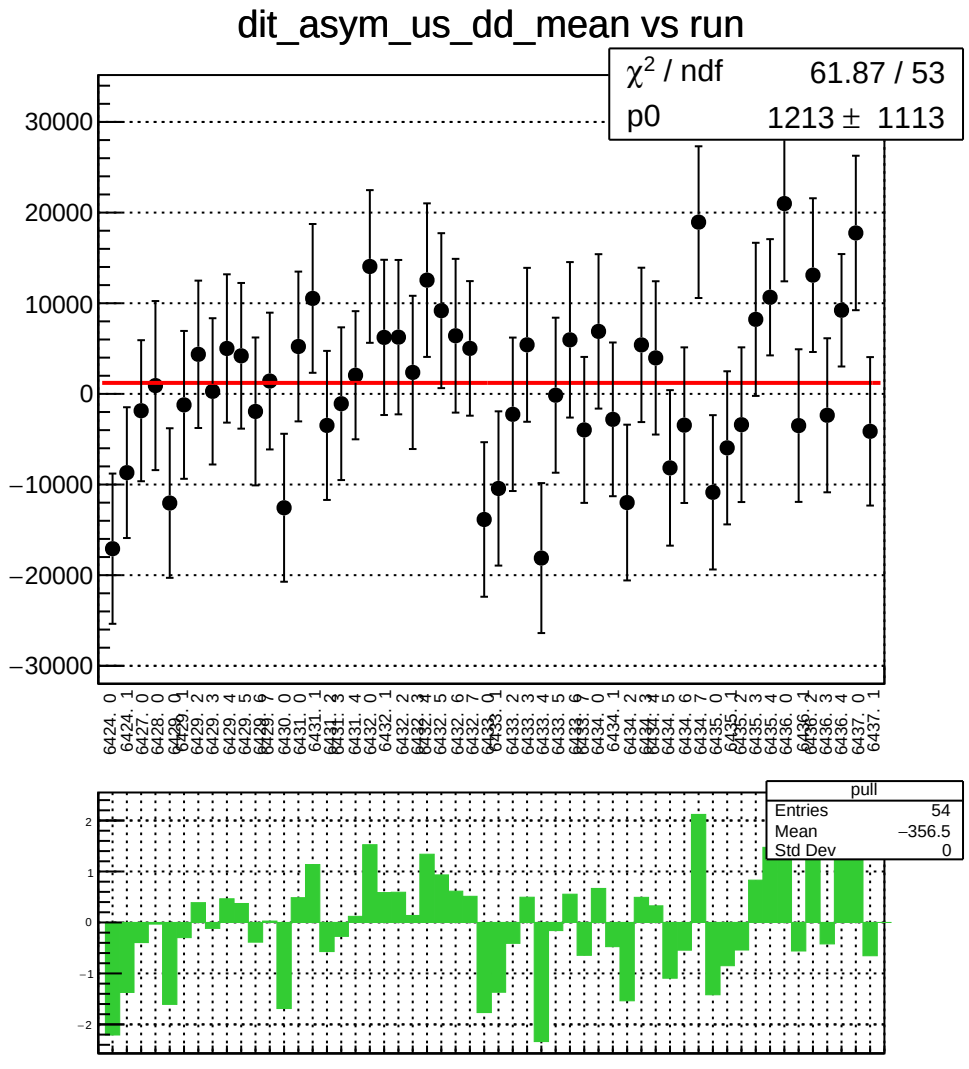

pull1D
Entries 54
Mean −0.01054
Std Dev 1.059

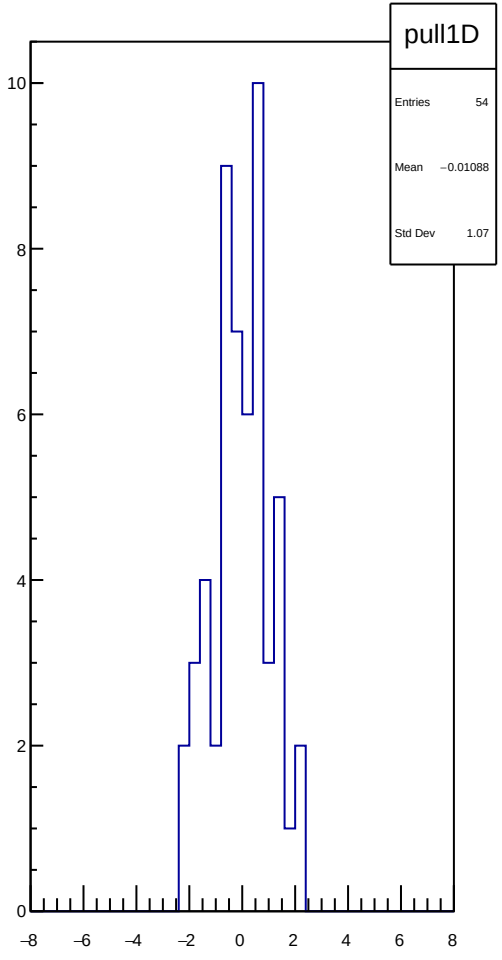

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 346.3 / 53
p0 795.1 ± 0.7865
820
810
800
790
780
770
760
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

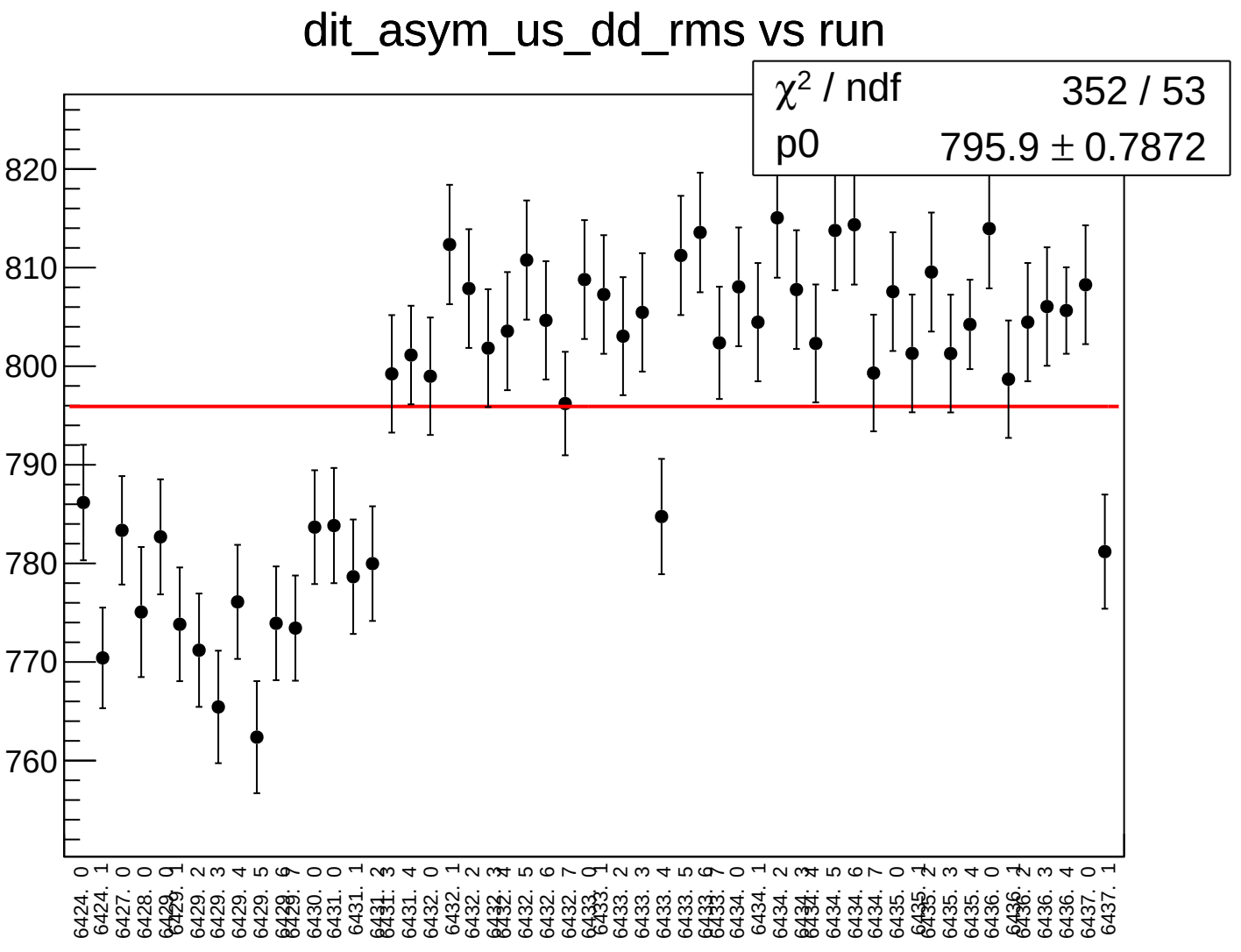

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.33 / 53
p0 742.3 ± 806.9
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 64.26
Std Dev 0
3
2
1
0
−1
−2
−3

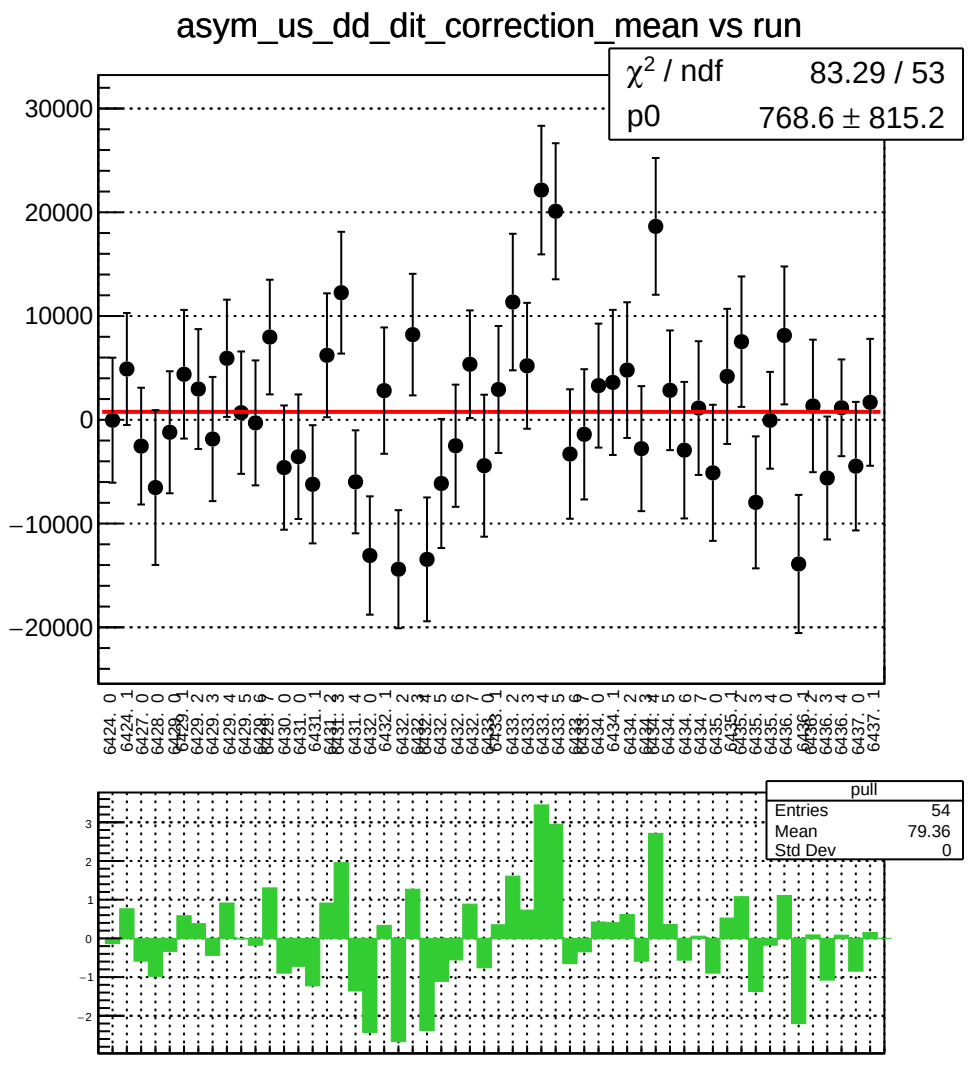

pull1D
Entries 54
Mean 0.00788
Std Dev 1.257
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

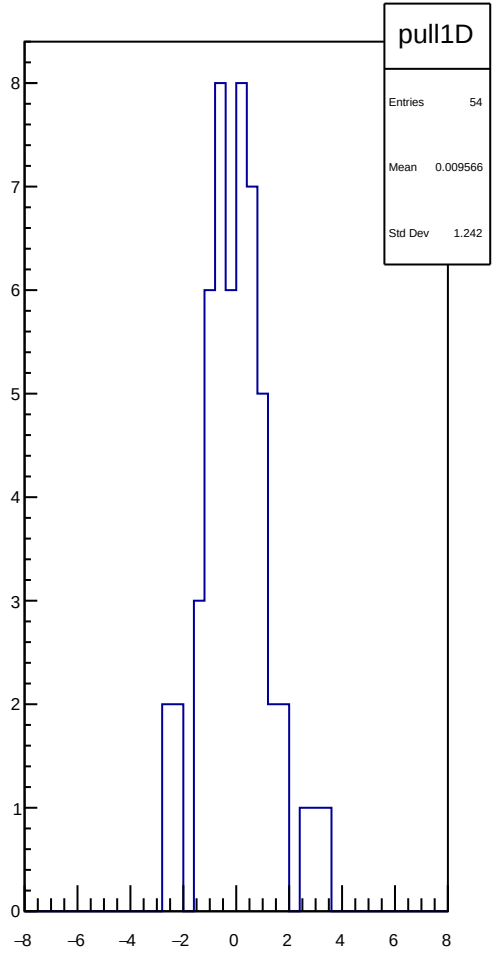

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3037 / 53
p0 576.1 ± 0.5705
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

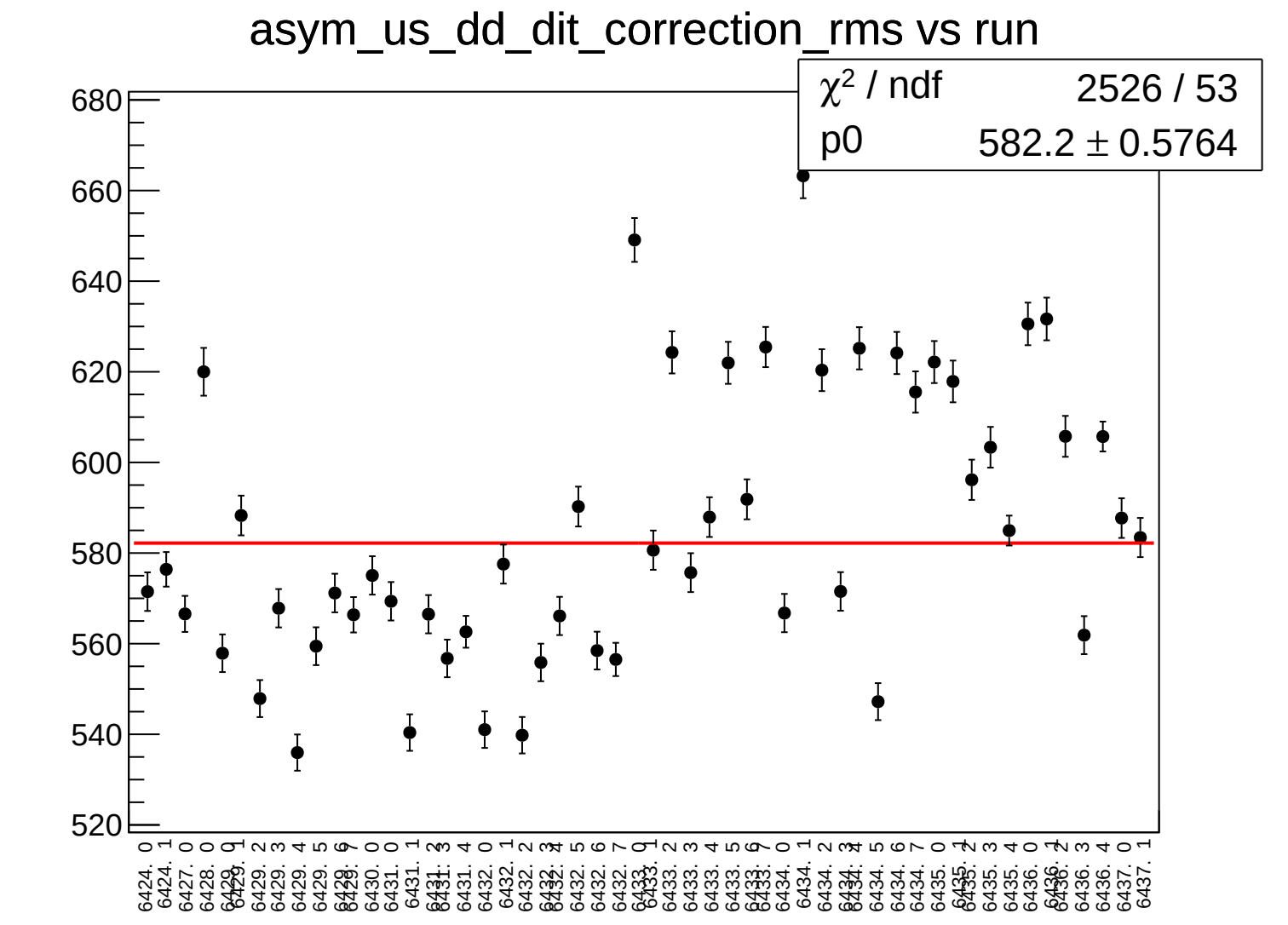

dit_asym_us_dd_mean vs run
χ^2 / ndf 61.87 / 53
p0 1213 ± 1113
pull
Entries 54
Mean −356.5
Std Dev 0

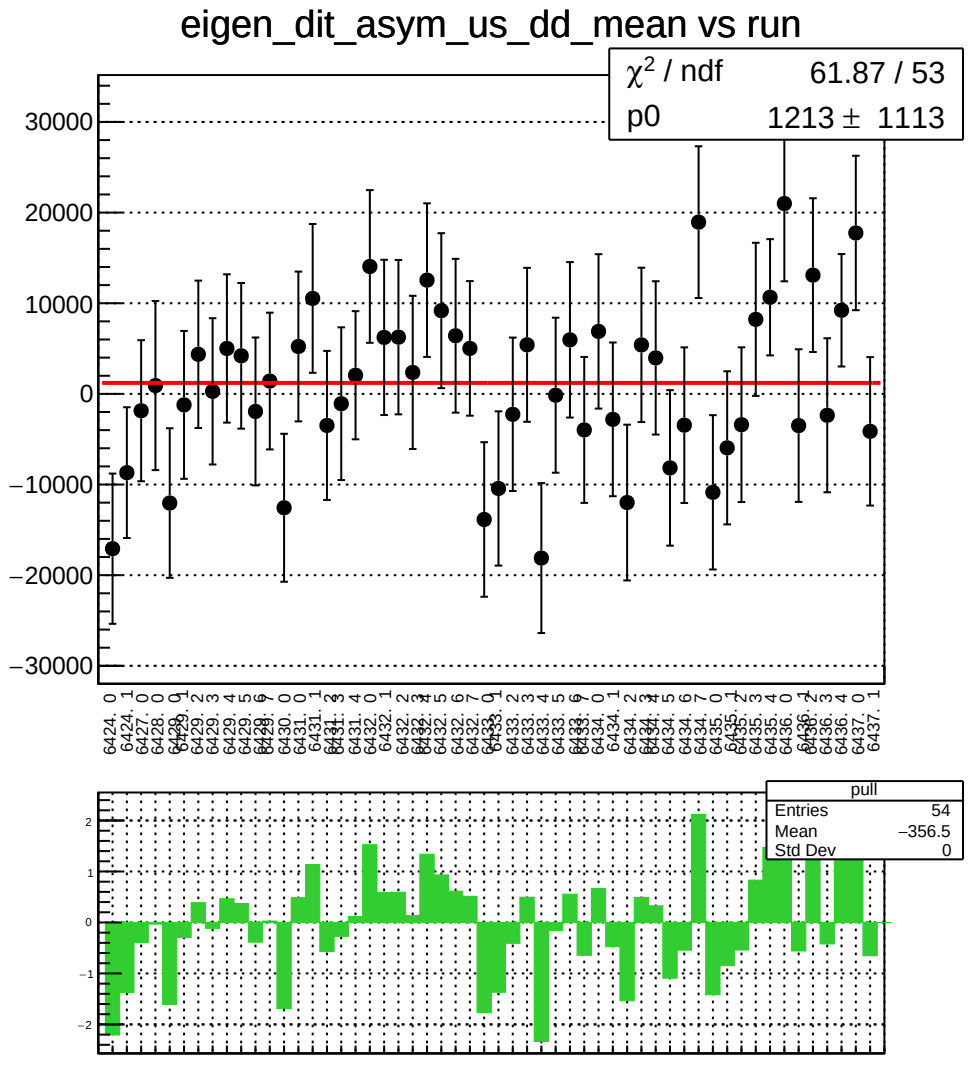

pull1D
Entries 54
Mean −0.01088
Std Dev 1.07

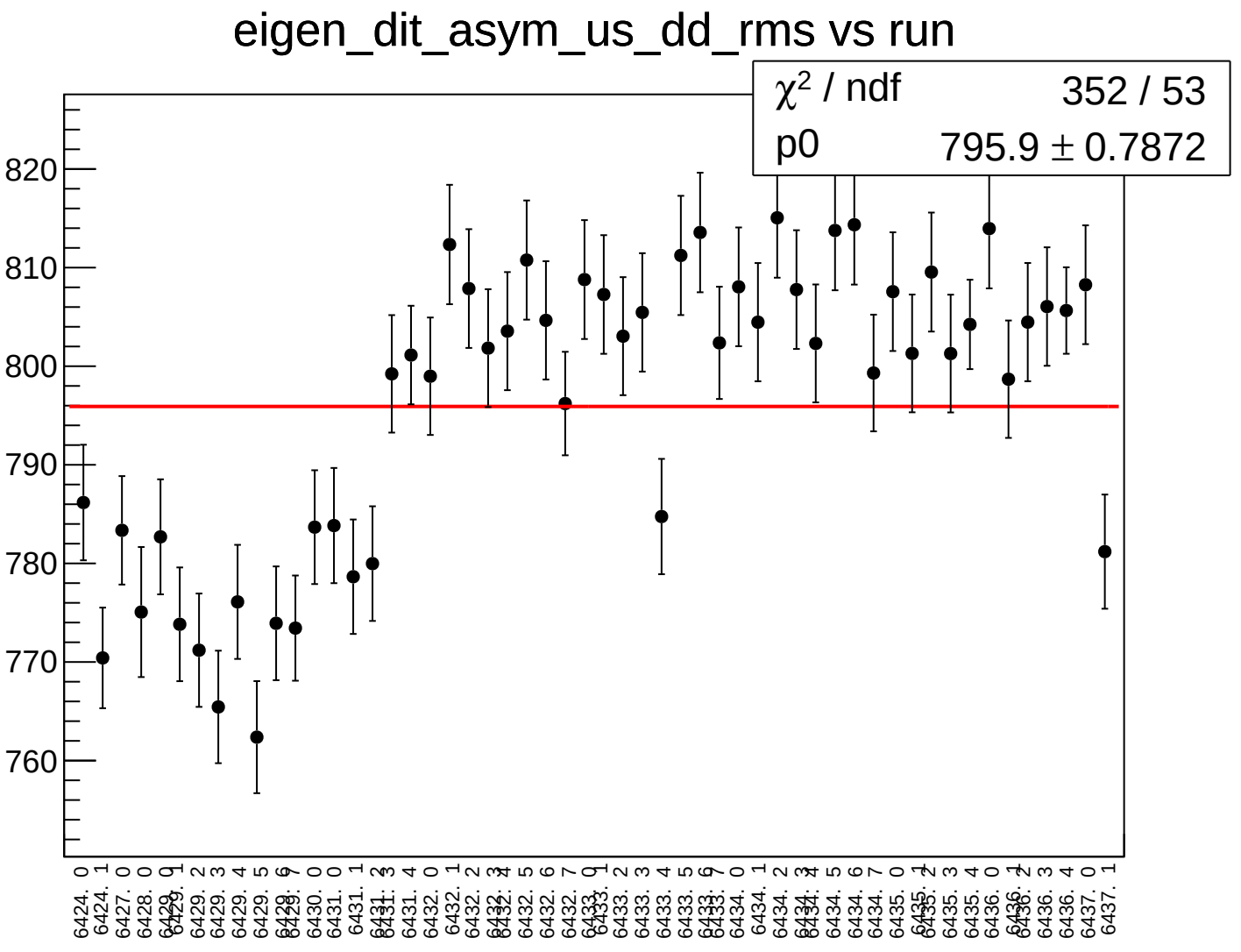

dit_asym_us_dd_rms vs run
χ² / ndf 352 / 53
p0 795.9 ± 0.7872
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

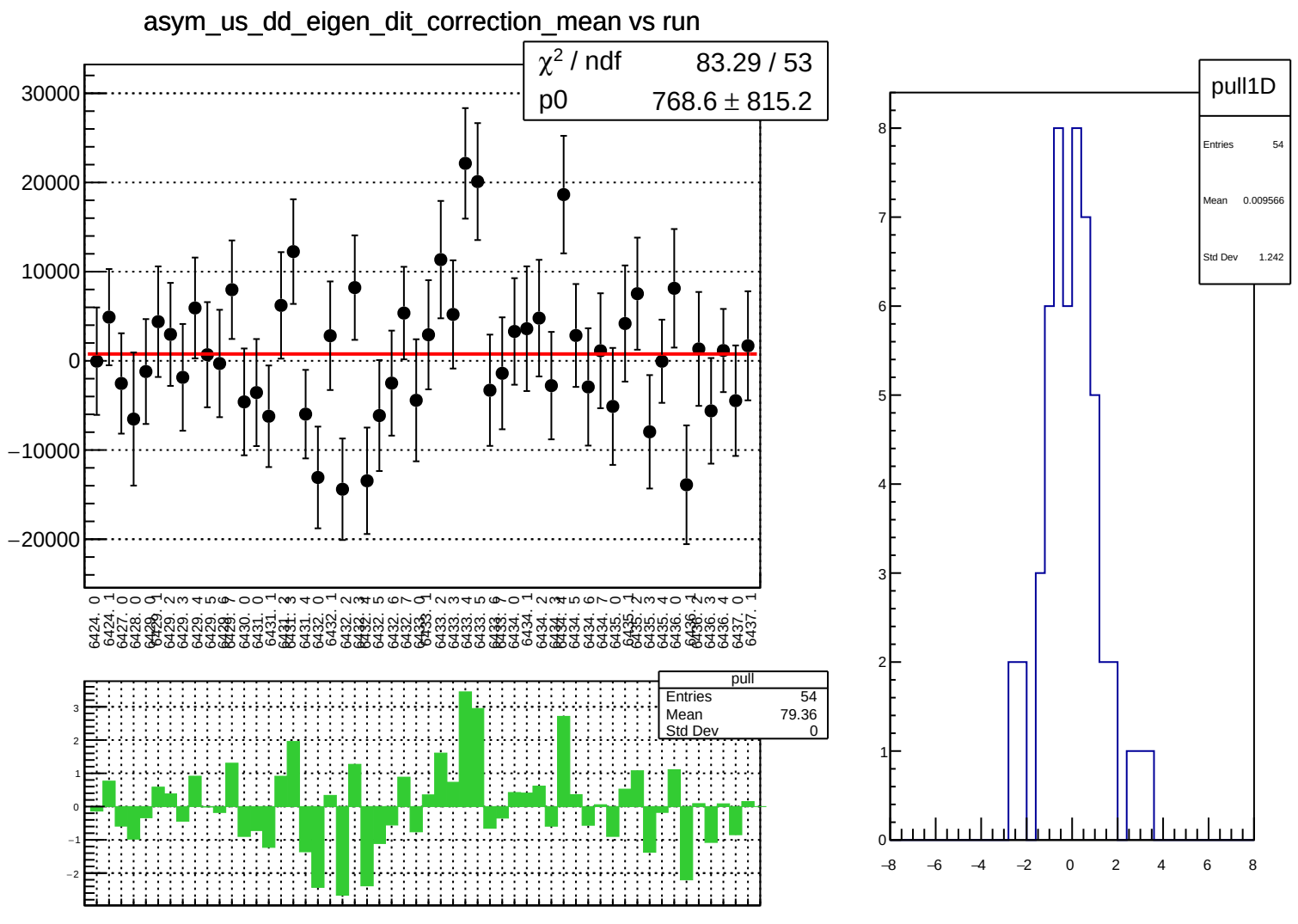

asym_us_dd_dit_correction_mean vs run
χ² / ndf 83.29 / 53
p0 768.6 ± 815.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 79.36
Std Dev 0
3
2
1
0
−1
−2

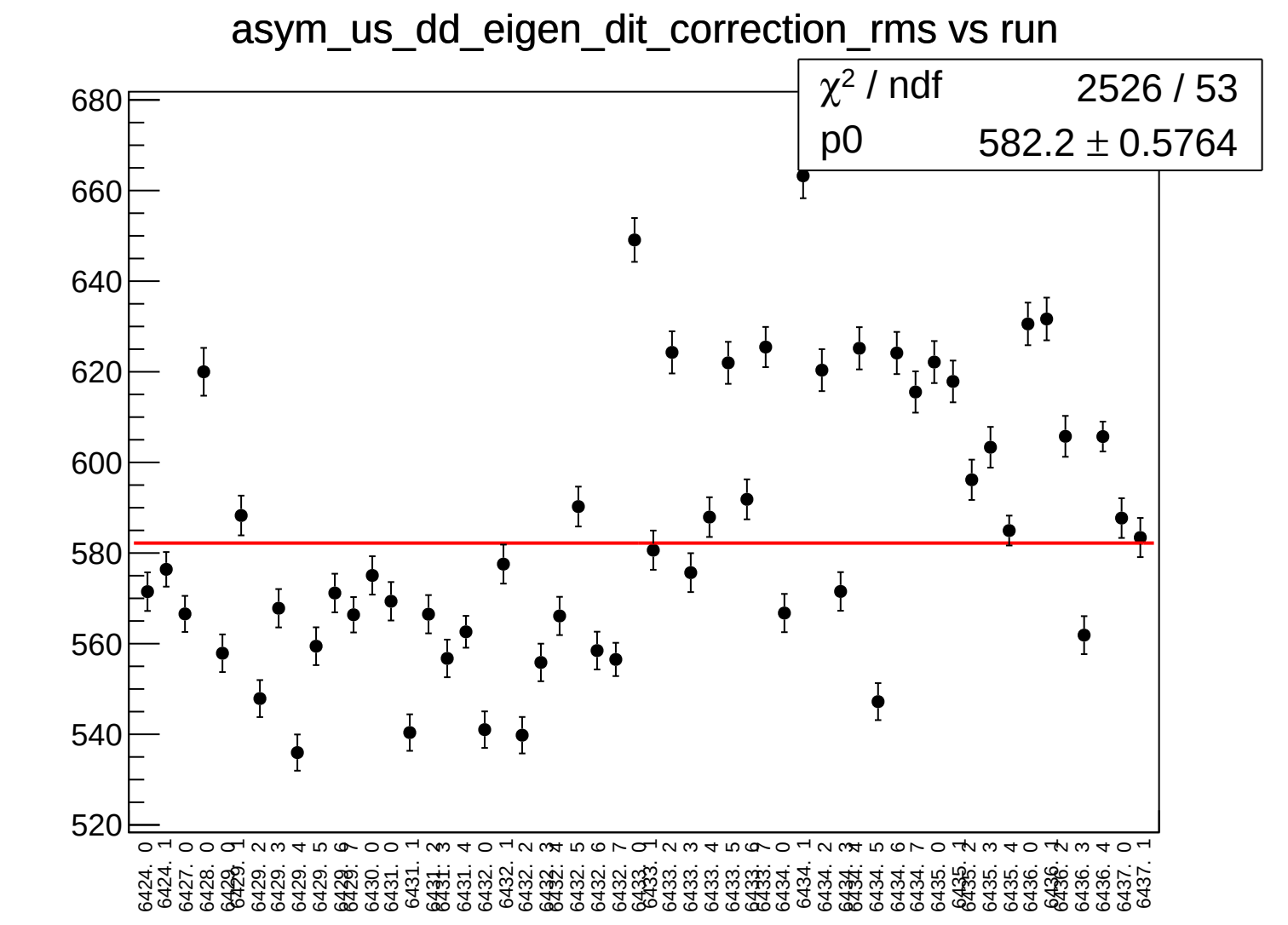

pull1D
Entries 54
Mean 0.009566
Std Dev 1.242
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

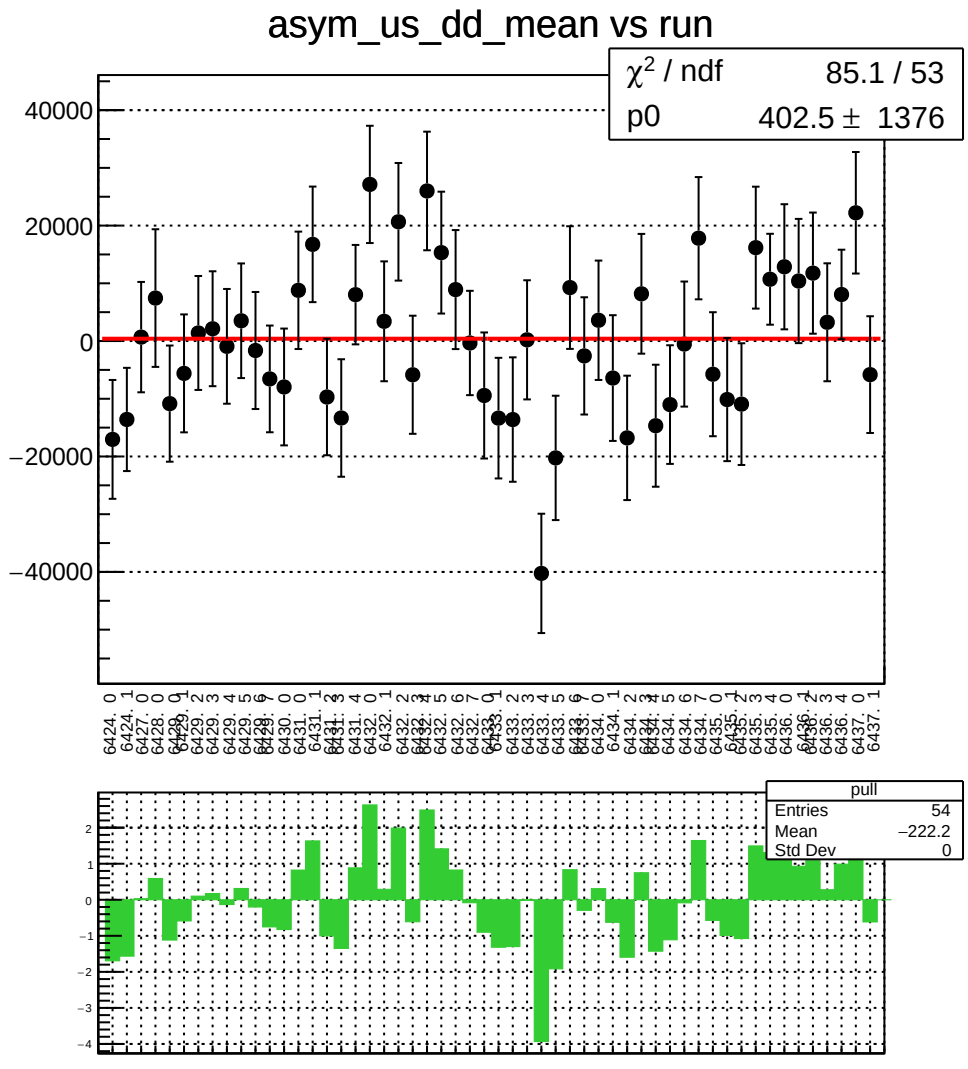

asym_us_dd_dit_correction_rms vs run
χ² / ndf 2526 / 53
p0 582.2 ± 0.5764
680
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

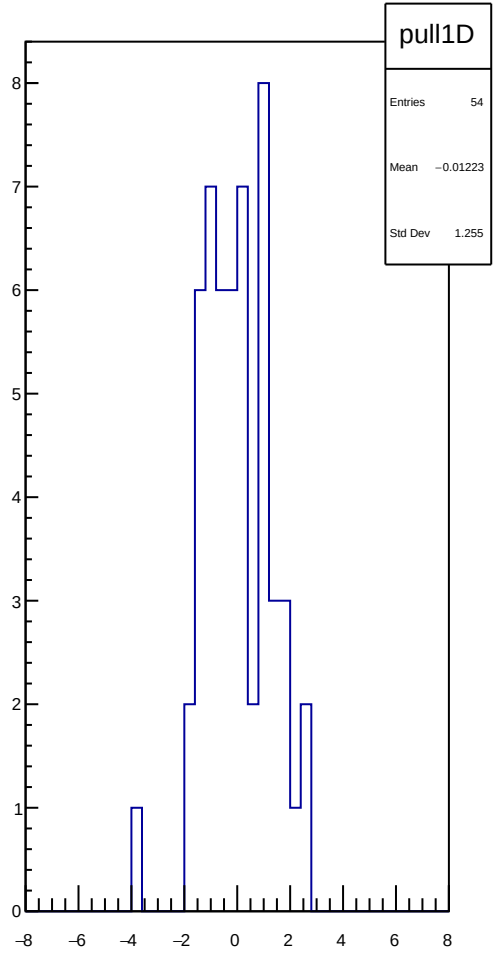

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 61.87 / 53
p0 1213 ± 1113
pull
Entries 54
Mean −356.5
Std Dev 0
pull1D
Entries 54
Mean −0.01088
Std Dev 1.07

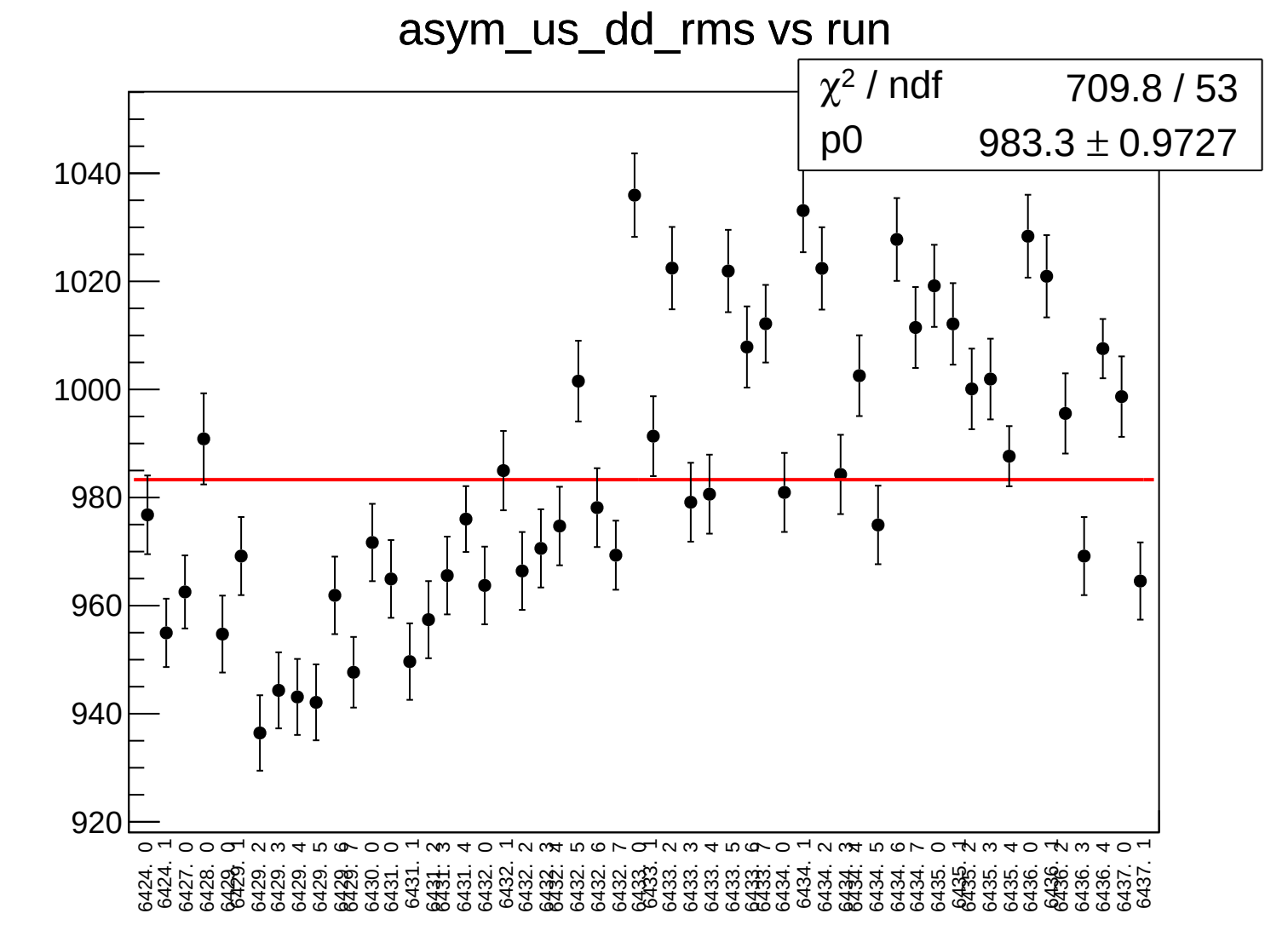

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 352 / 53
p0 795.9 ± 0.7872
820
810
800
790
780
770
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

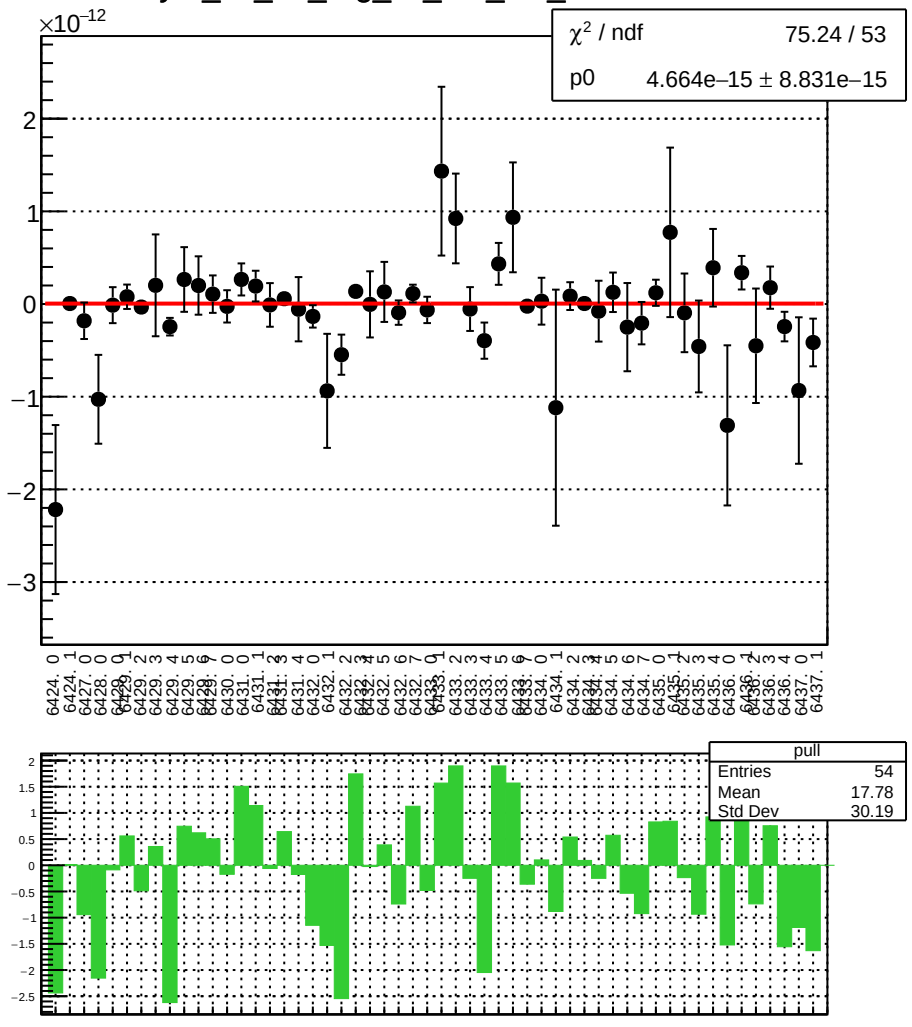

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.29 / 53
p0 768.6 ± 815.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 79.36
Std Dev 0
pull1D
Entries 54
Mean 0.009566
Std Dev 1.242

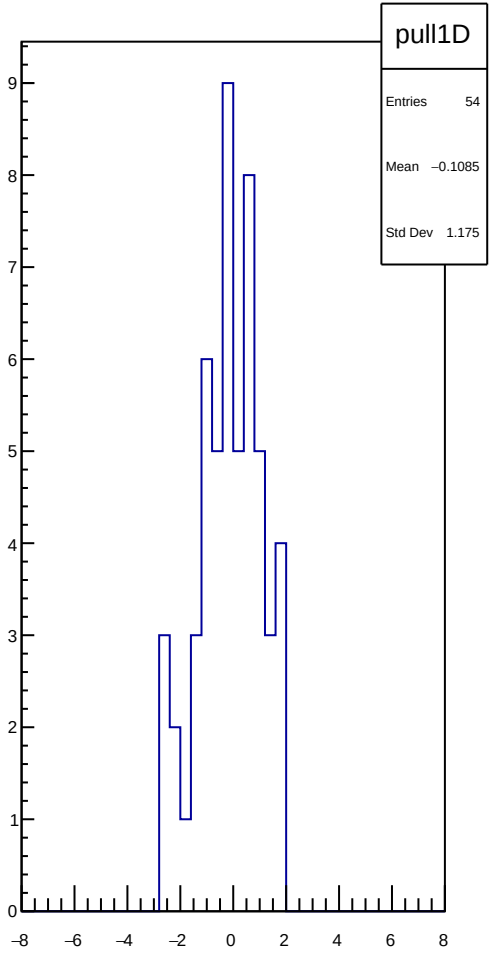

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 2526 / 53
p0 582.2 ± 0.5764
680
660
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

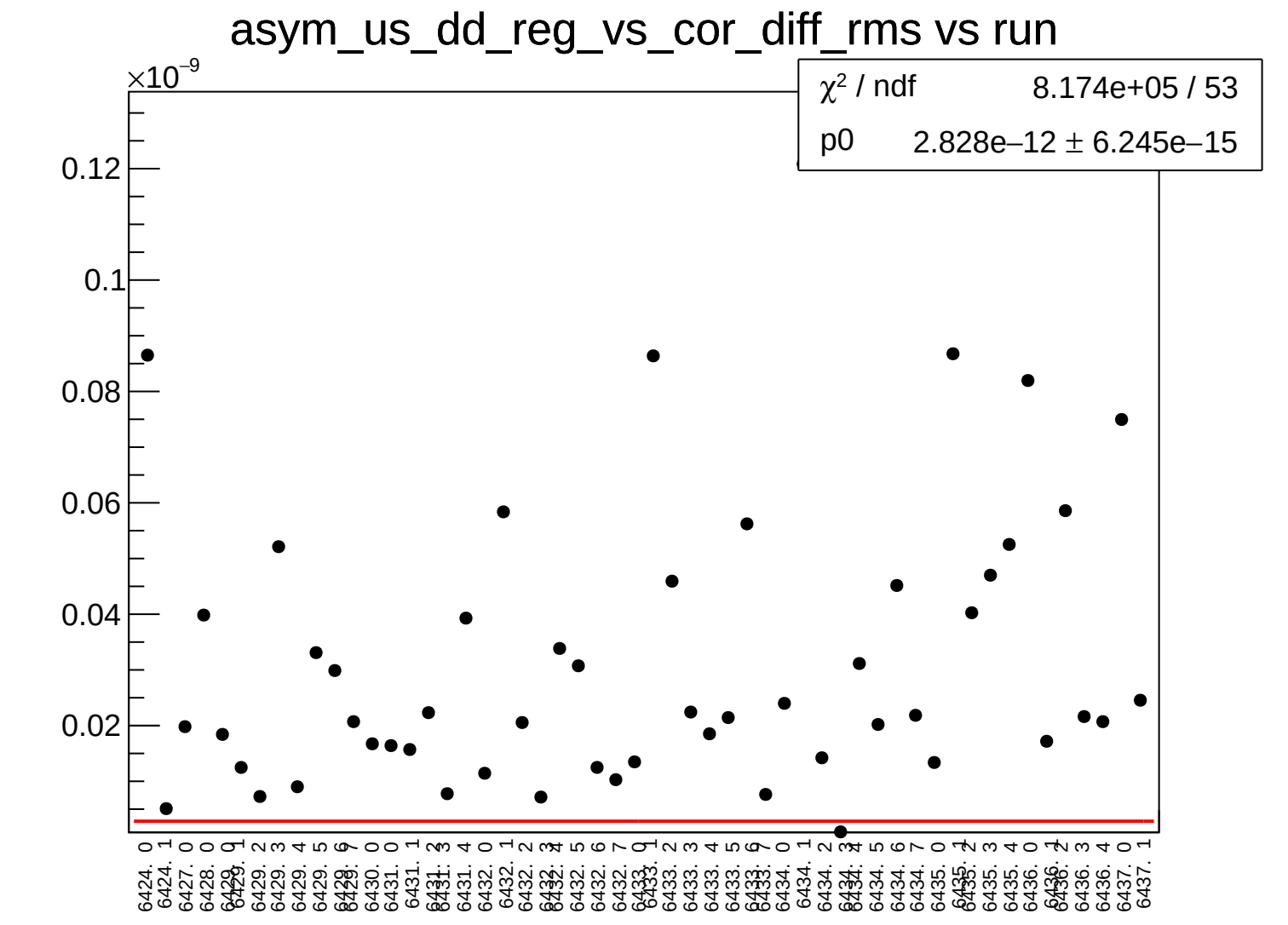

asym_us_dd_mean vs run
χ^2 / ndf 85.1 / 53
p0 402.5 ± 1376
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −222.2
Std Dev 0
2
1
0
−1
−2
−3
−4

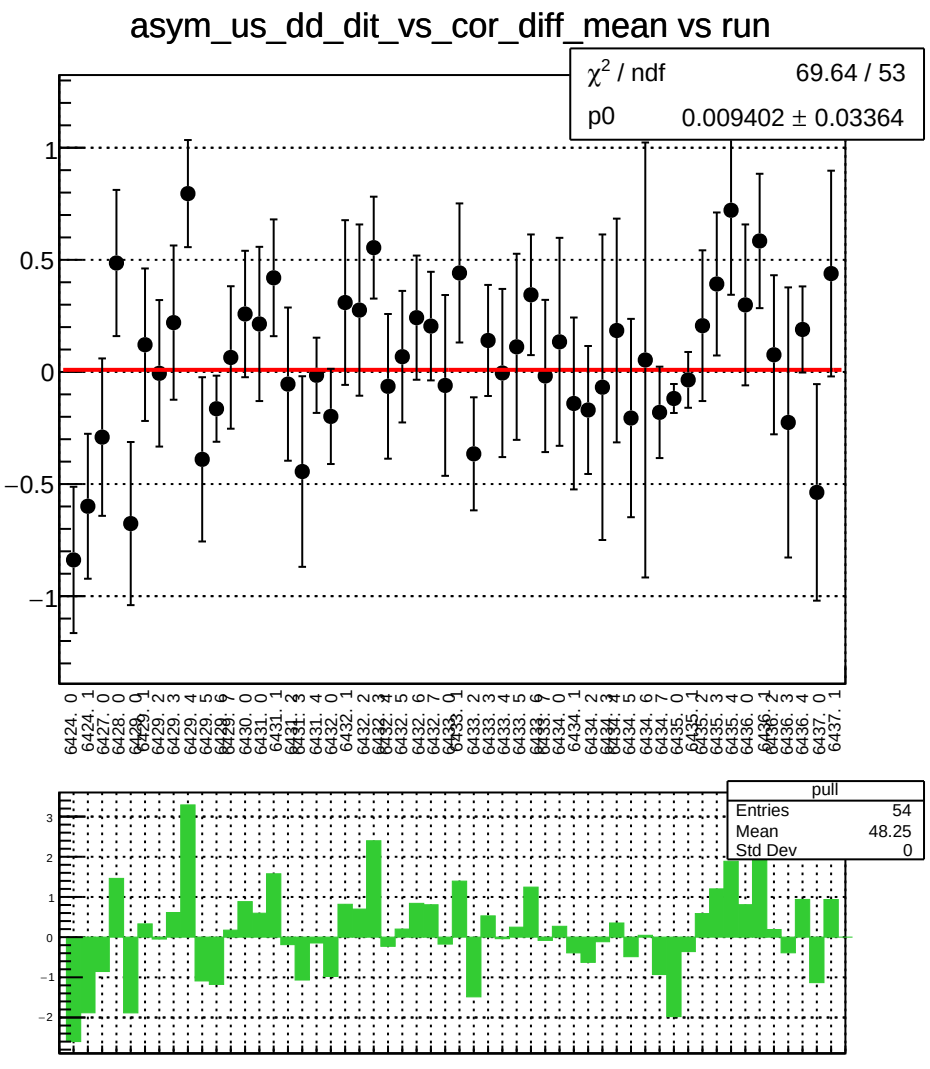

pull1D
Entries 54
Mean −0.01223
Std Dev 1.255
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

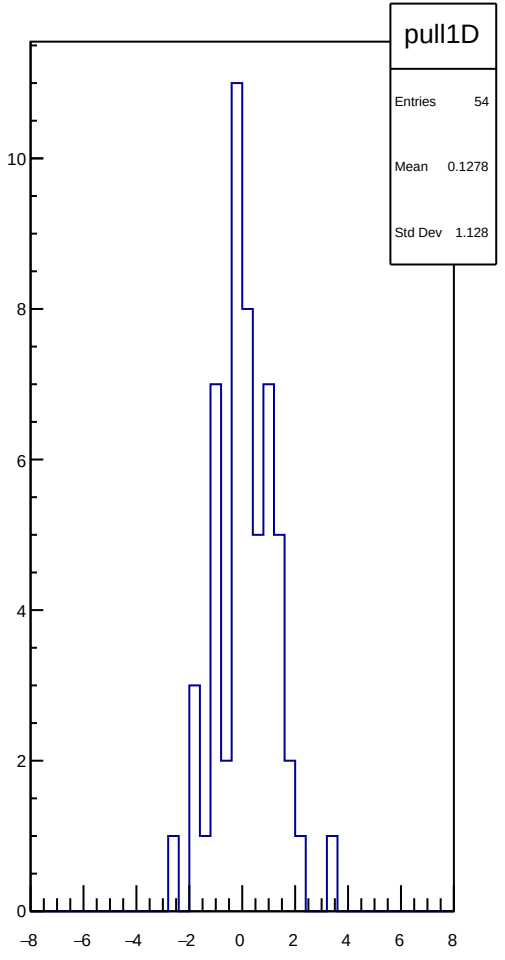

asym_us_dd_rms vs run
χ² / ndf 709.8 / 53
p0 983.3 ± 0.9727
1040
1020
1000
980
960
940
920
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

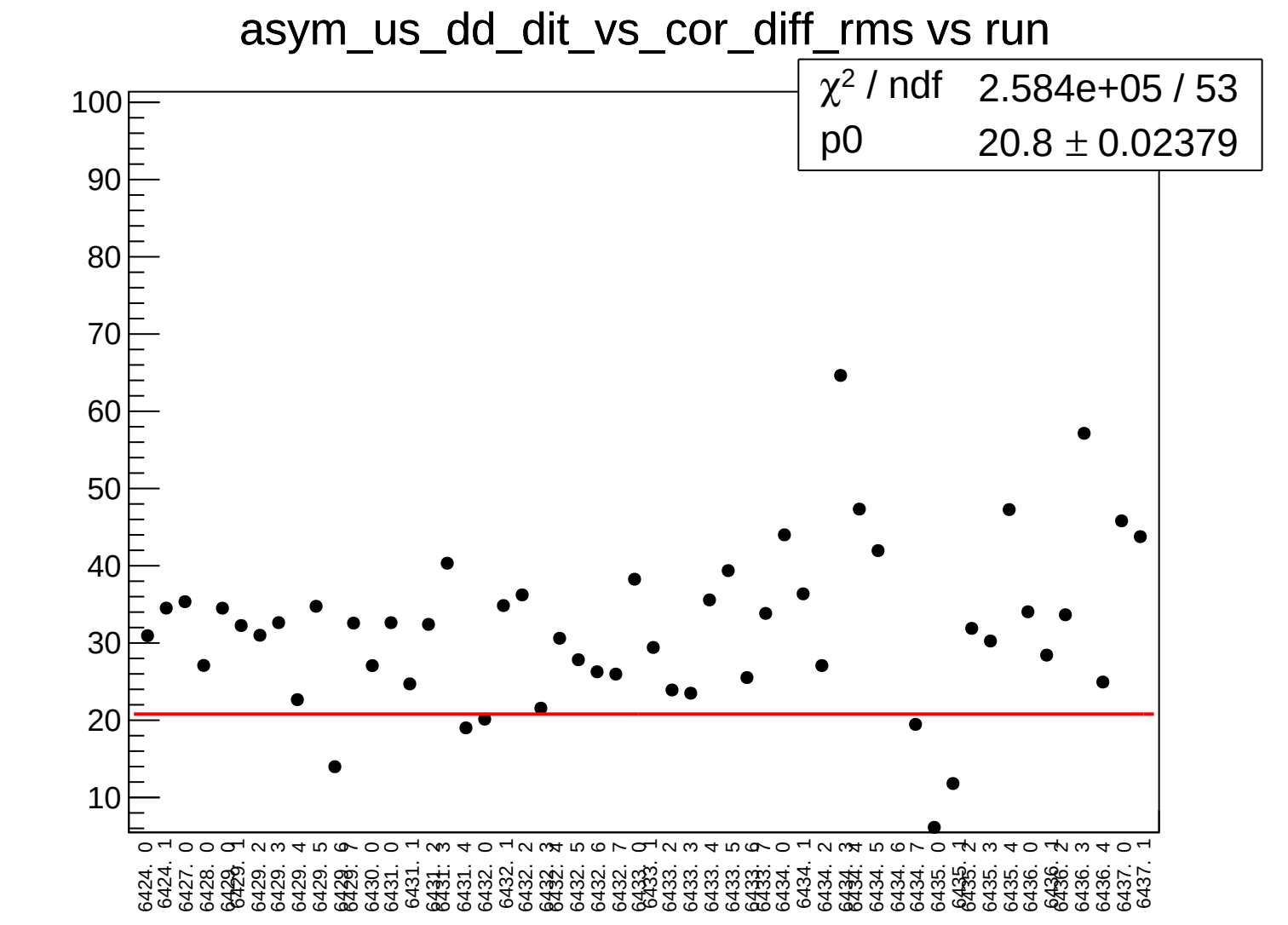

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.24 / 53
p0 4.664e−15 ± 8.831e−15
pull
Entries 54
Mean 17.78
Std Dev 30.19

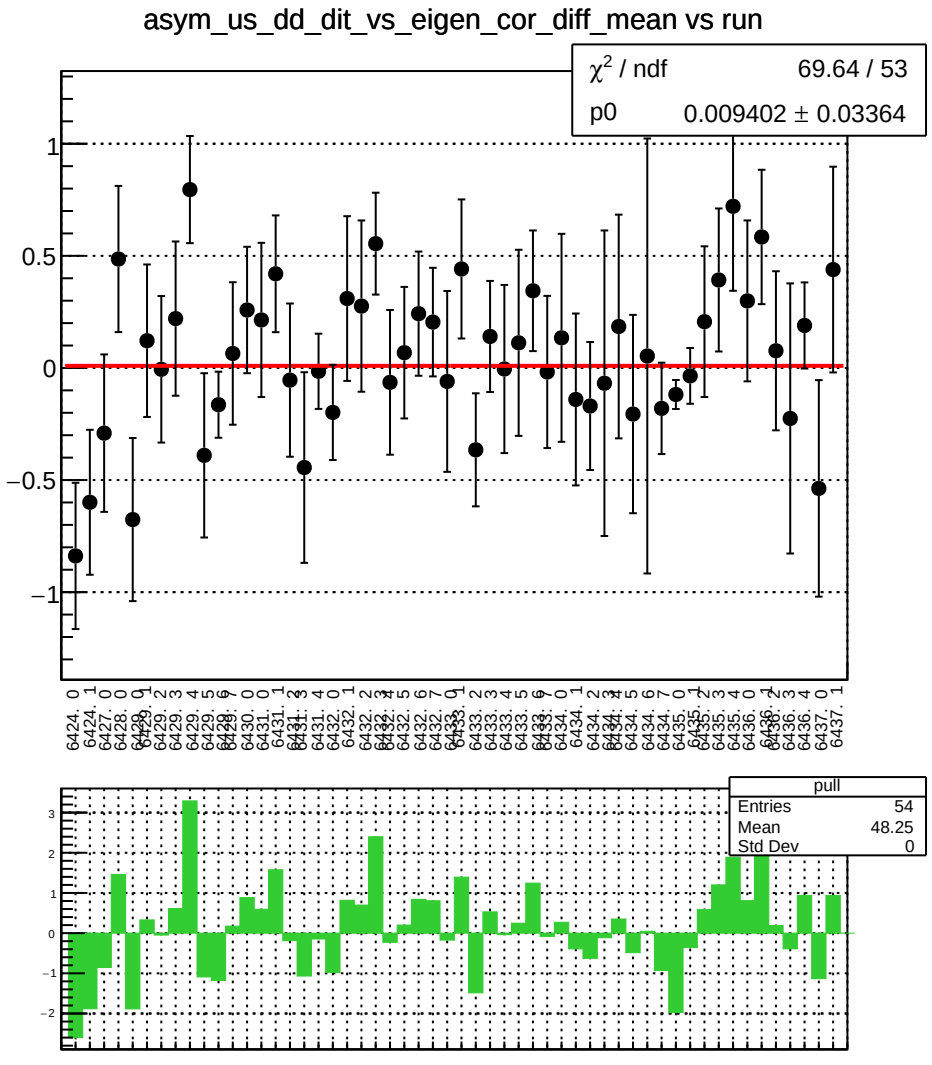

pull1D
Entries 54
Mean −0.1085
Std Dev 1.175

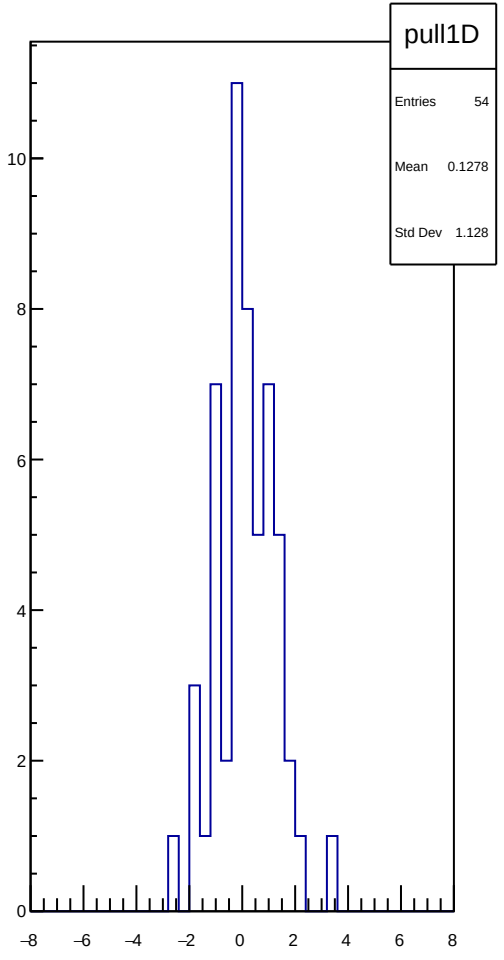

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.174e+05 / 53
p0 2.828e−12 ± 6.245e−15
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

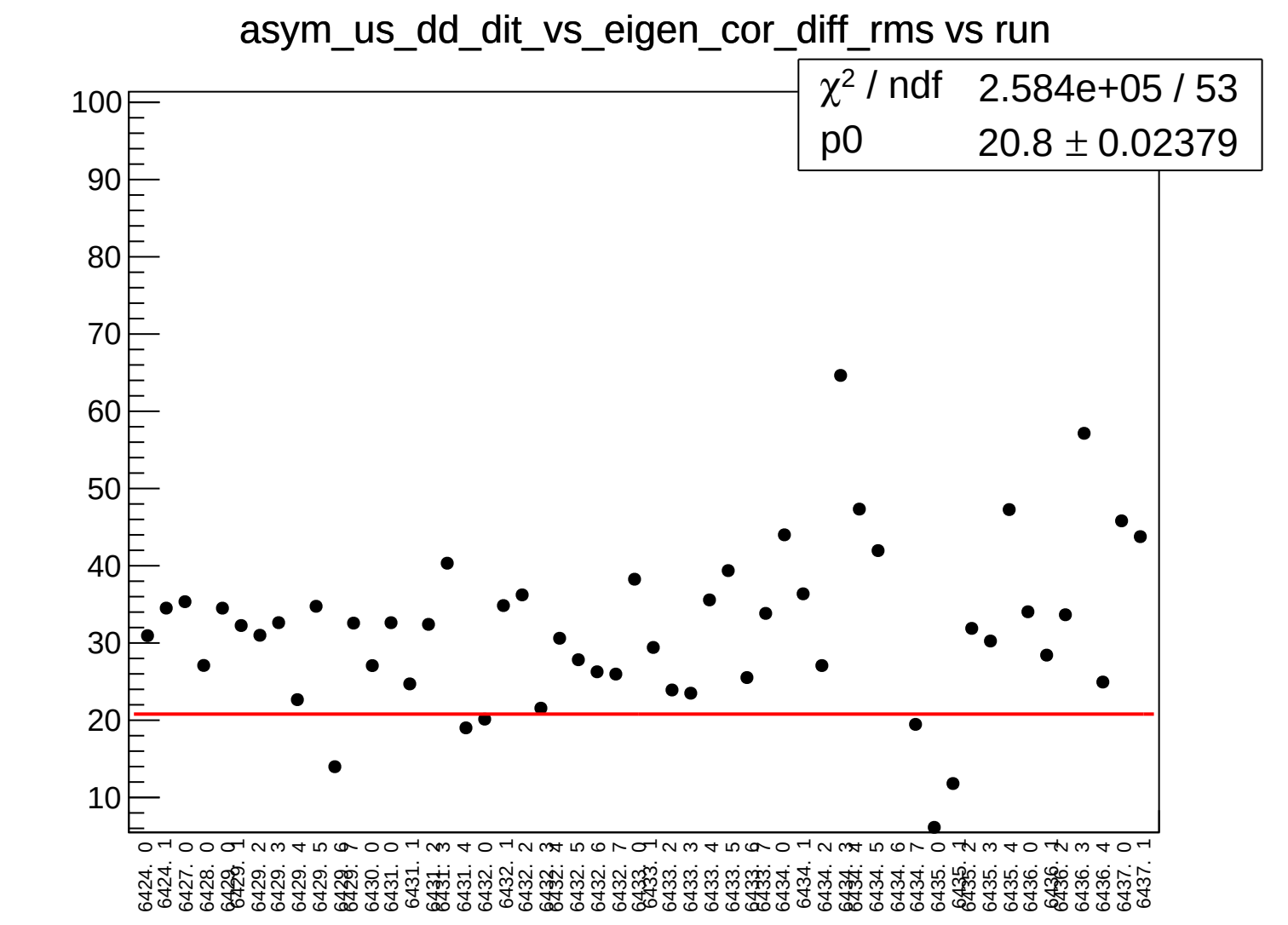

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.64 / 53
p0 0.009402 ± 0.03364
pull
Entries 54
Mean 48.25
Std Dev 0

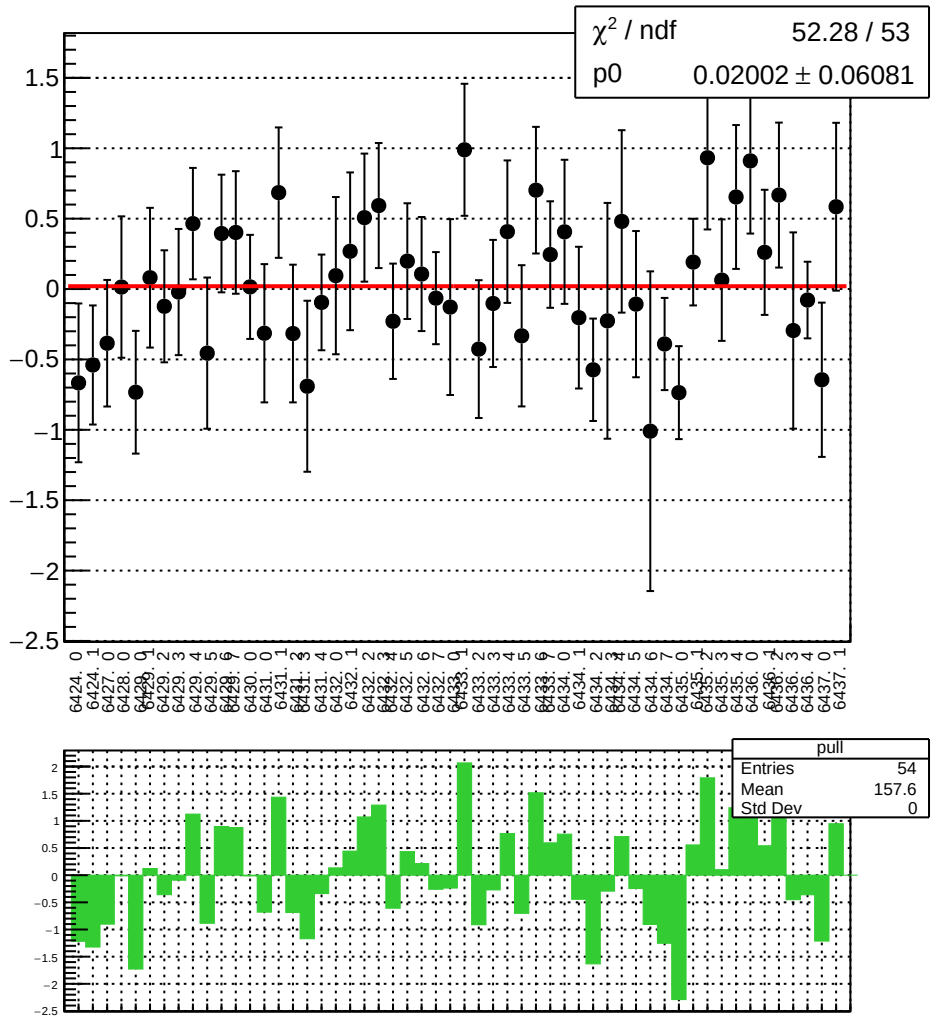

pull1D
Entries 54
Mean 0.1278
Std Dev 1.128

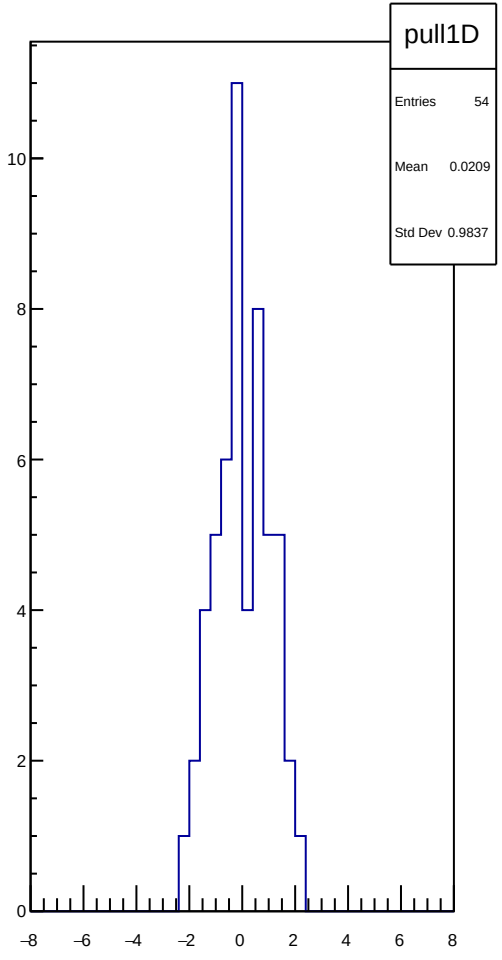

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.584e+05 / 53
p0 20.8 ± 0.02379
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

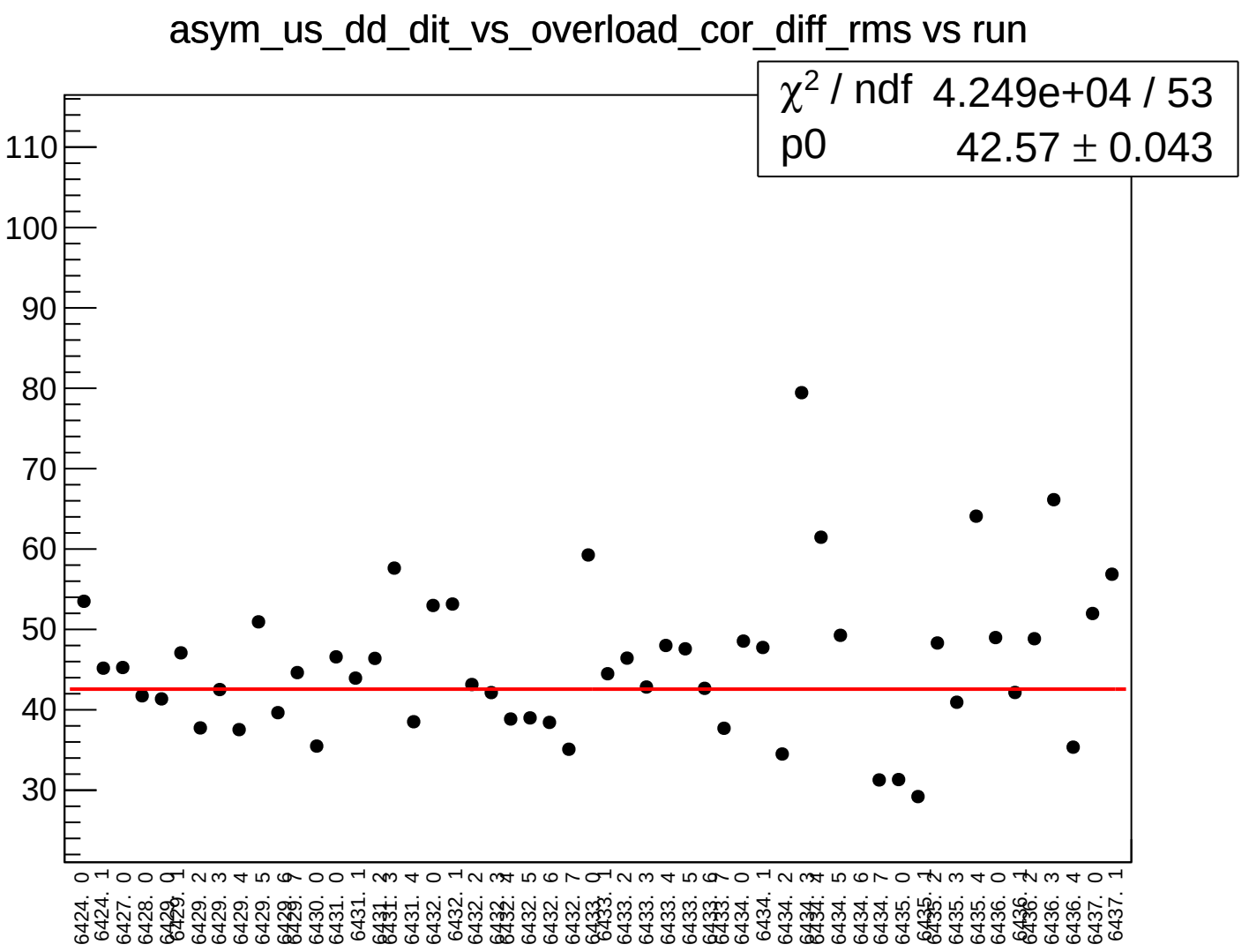

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.64 / 53
p0 0.009402 ± 0.03364
pull
Entries 54
Mean 48.25
Std Dev 0

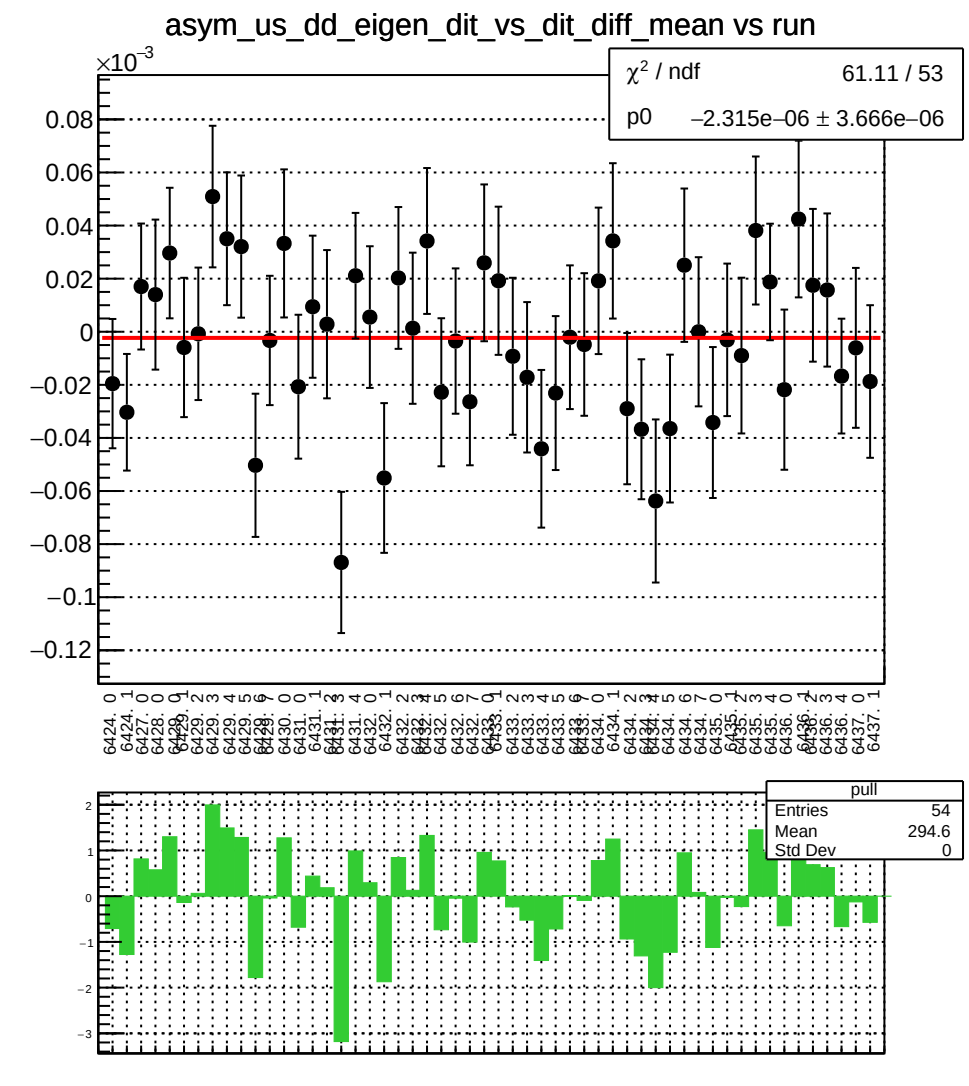

pull1D
Entries 54
Mean 0.1278
Std Dev 1.128

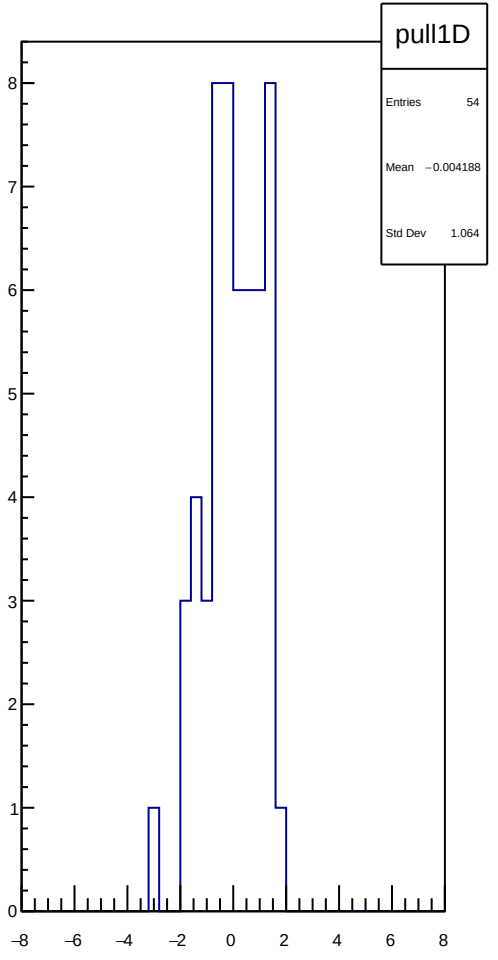

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.584e+05 / 53
p0 20.8 ± 0.02379
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

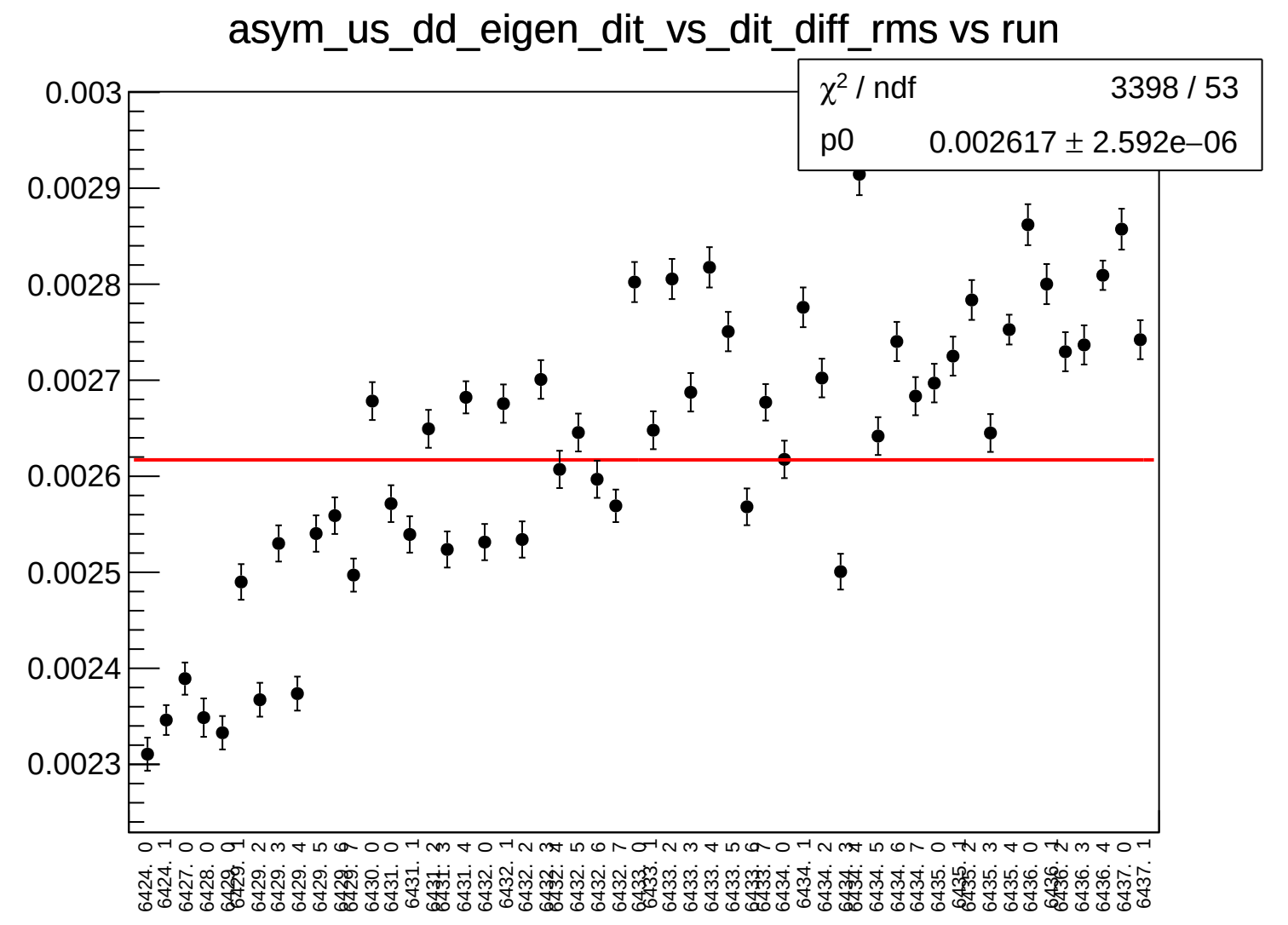

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 52.28 / 53
p0 0.02002 ± 0.06081
pull
Entries 54
Mean 157.6
Std Dev 0

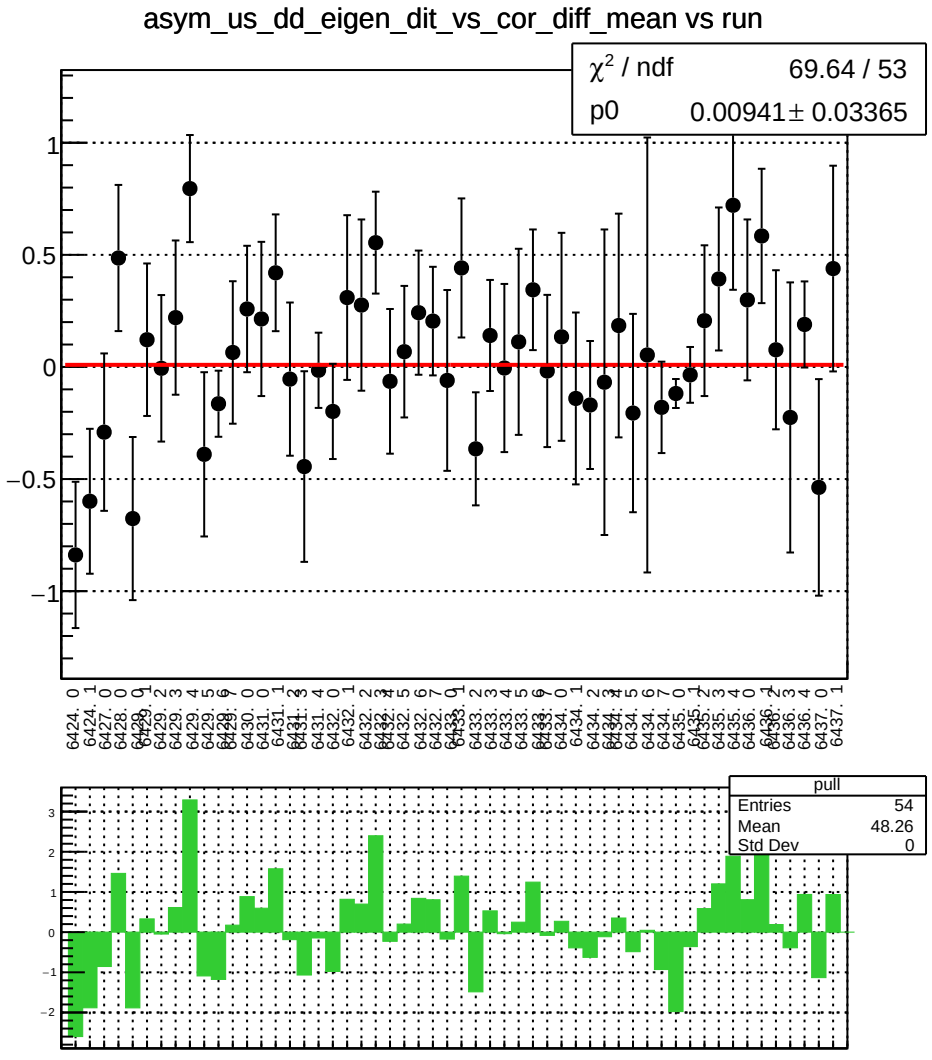

pull1D
Entries 54
Mean 0.0209
Std Dev 0.9837

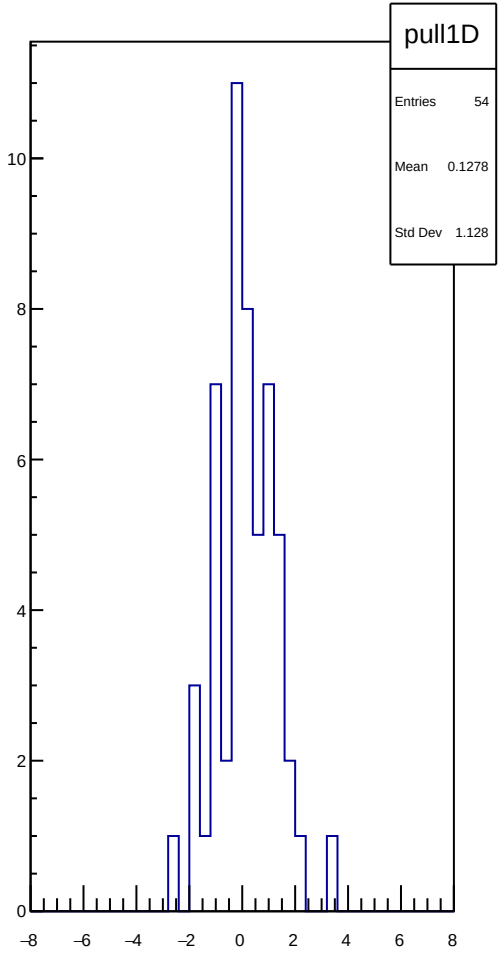

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 4.249e+04 / 53
p0 42.57 ± 0.043
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

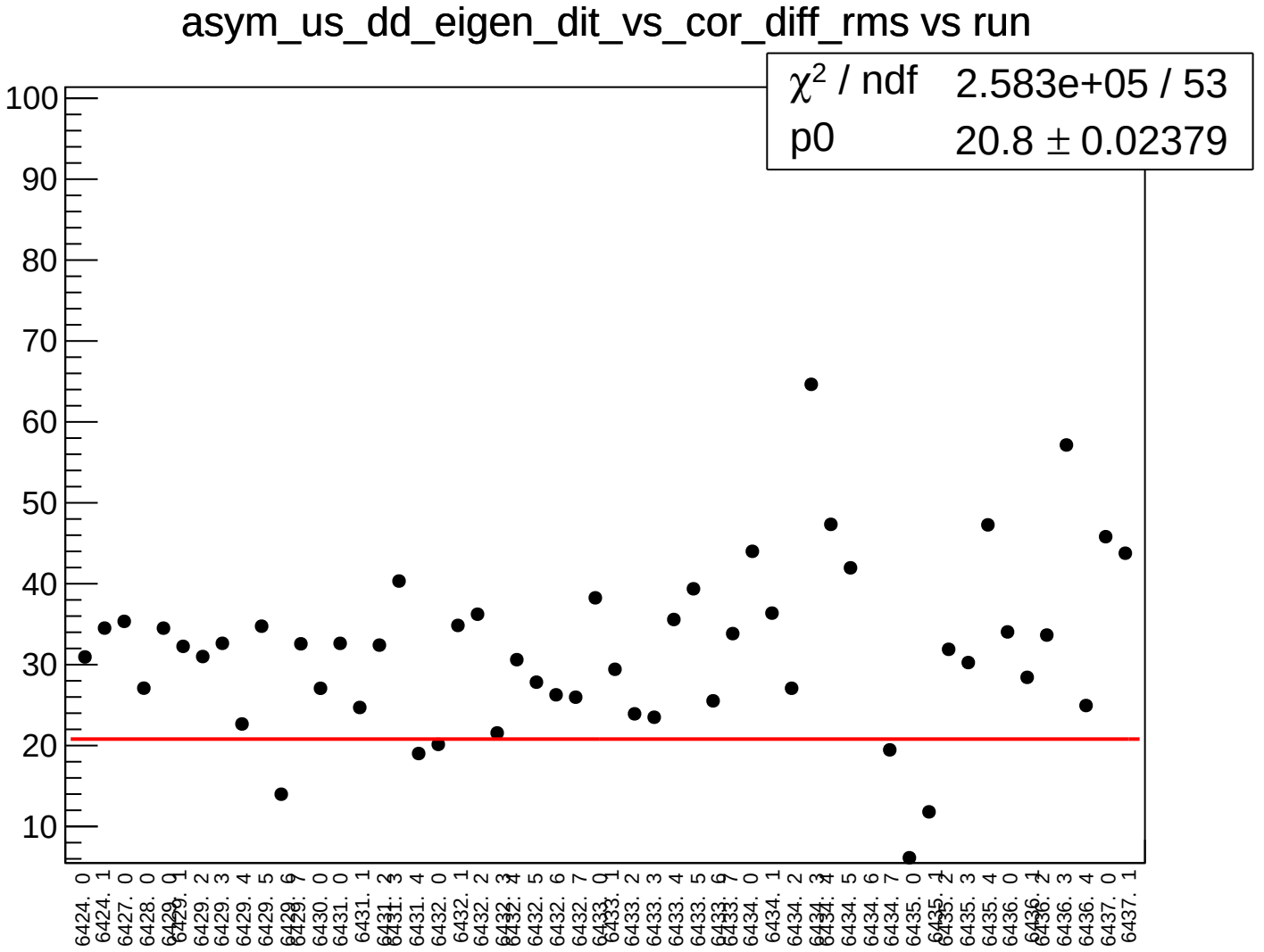

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 61.11 / 53
p0 −2.315e−06 ± 3.666e−06
pull
Entries 54
Mean 294.6
Std Dev 0

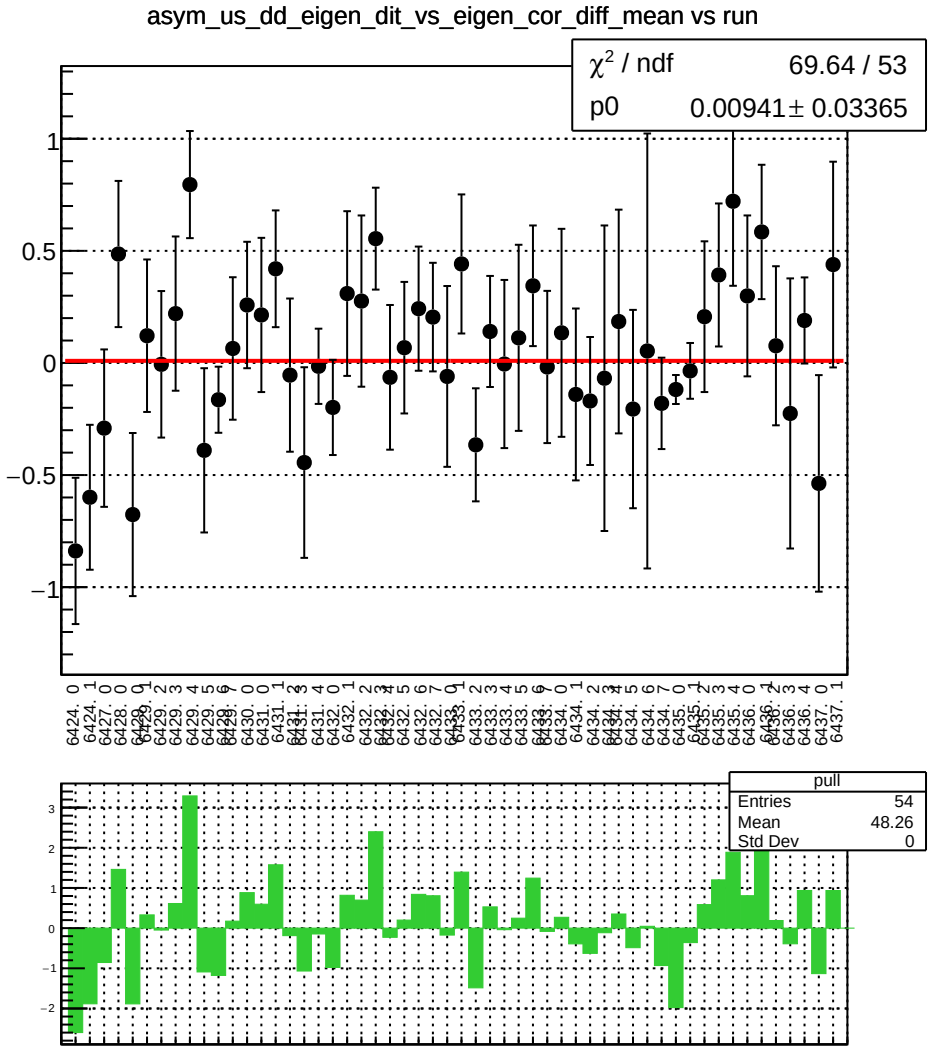

pull1D
Entries 54
Mean −0.004188
Std Dev 1.064

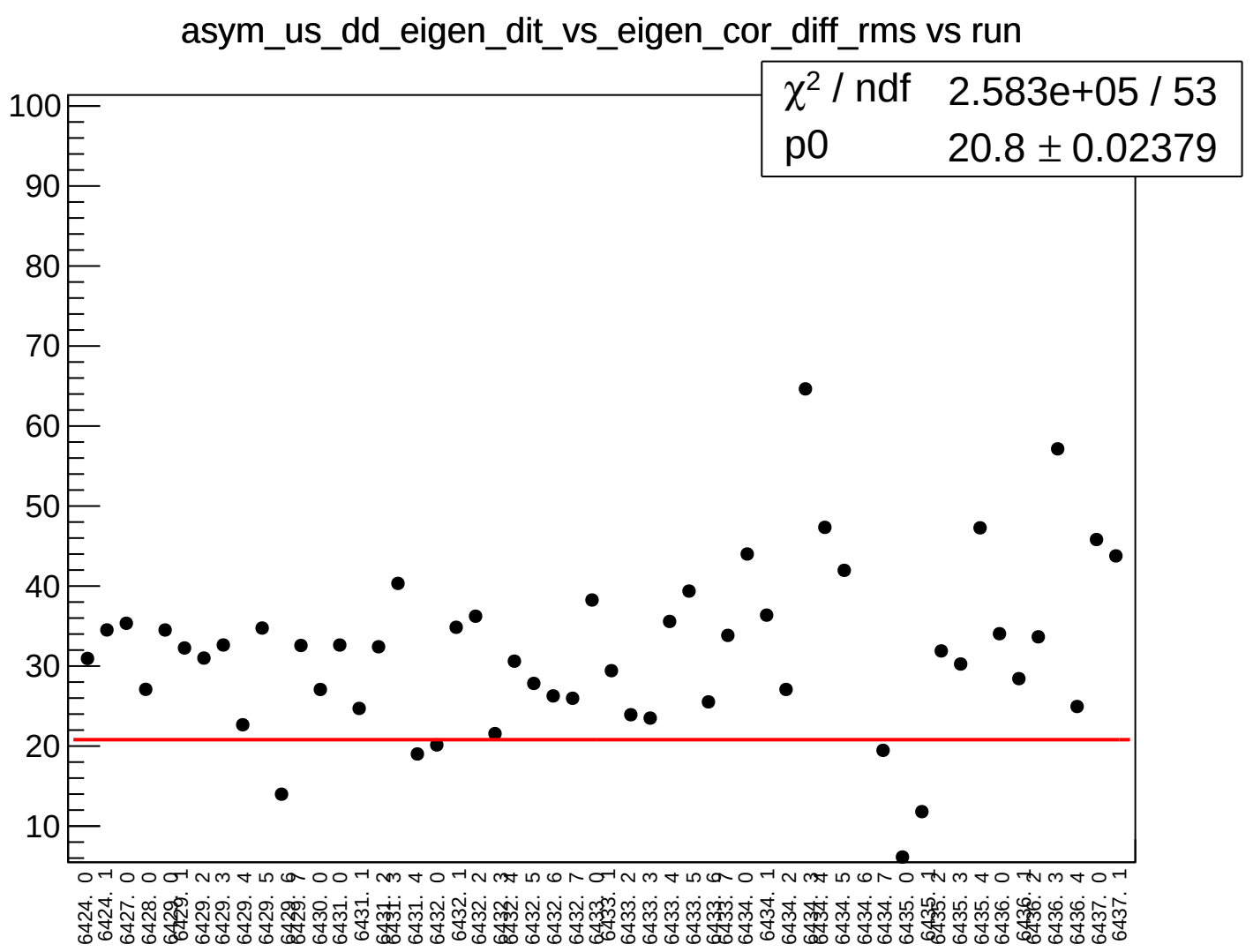

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3398 / 53
p0 0.002617 ± 2.592e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

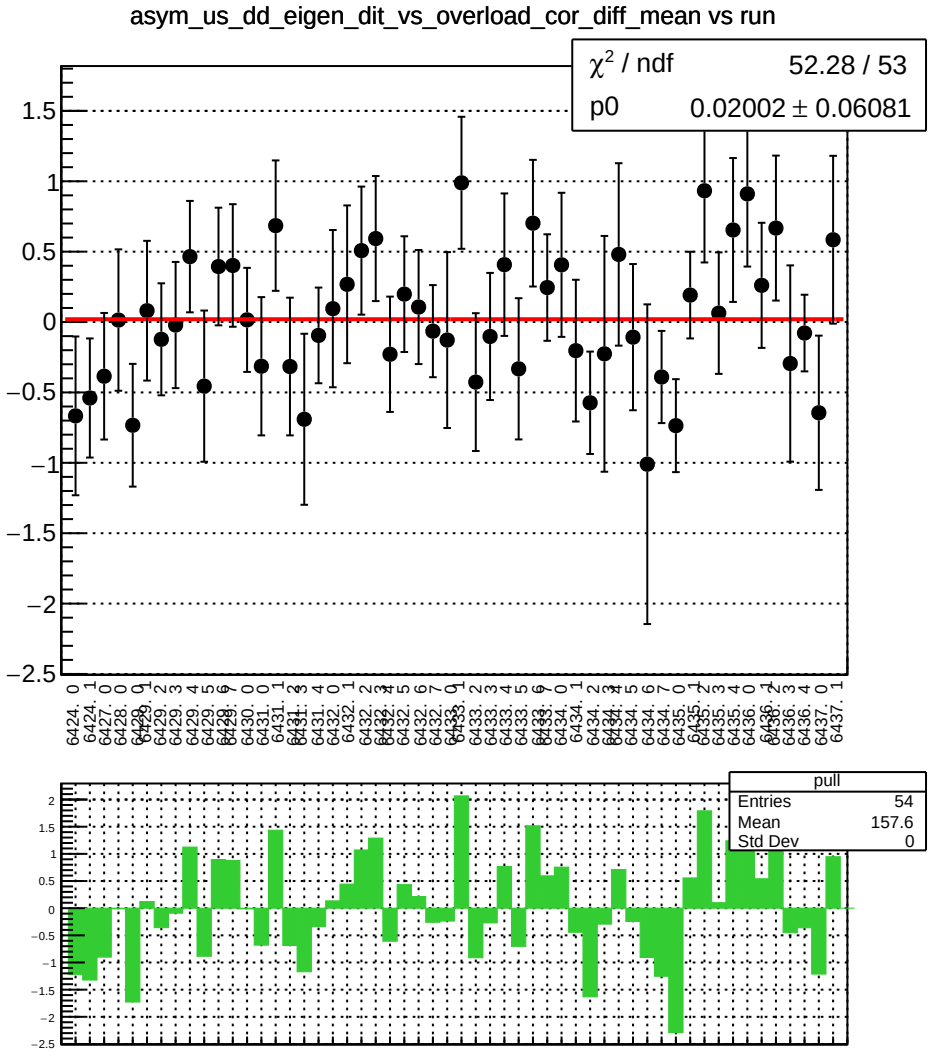

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.64 / 53
p0 0.00941 ± 0.03365
pull
Entries 54
Mean 48.26
Std Dev 0

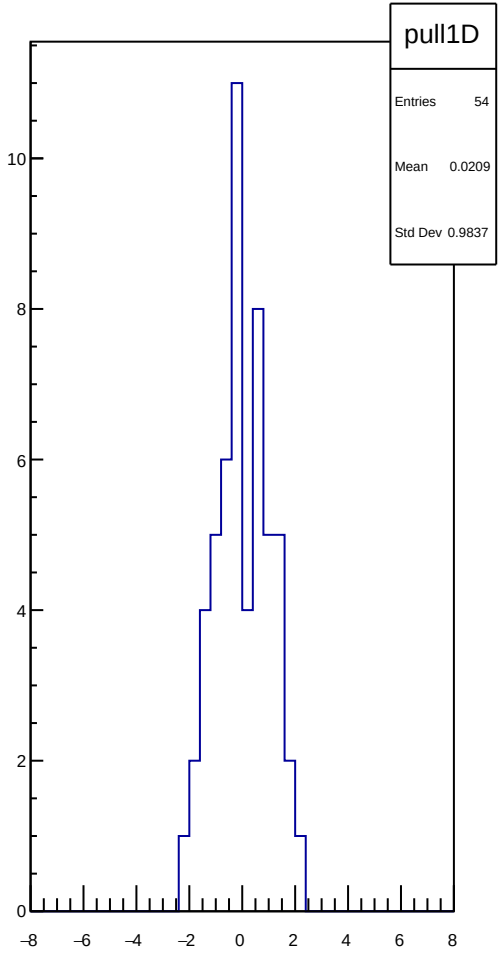

pull1D
Entries 54
Mean 0.1278
Std Dev 1.128

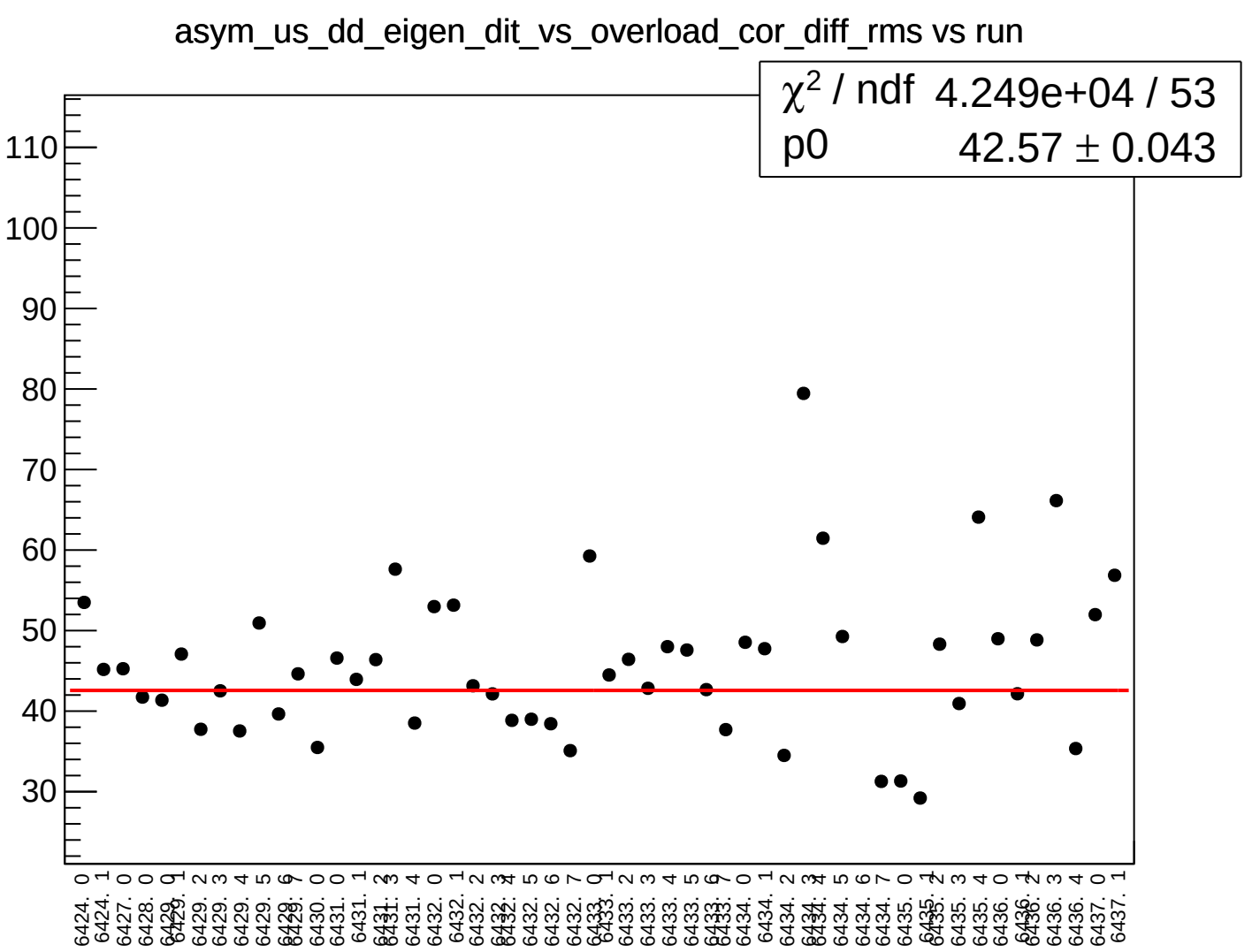

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.583e+05 / 53
p0 20.8 ± 0.02379
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

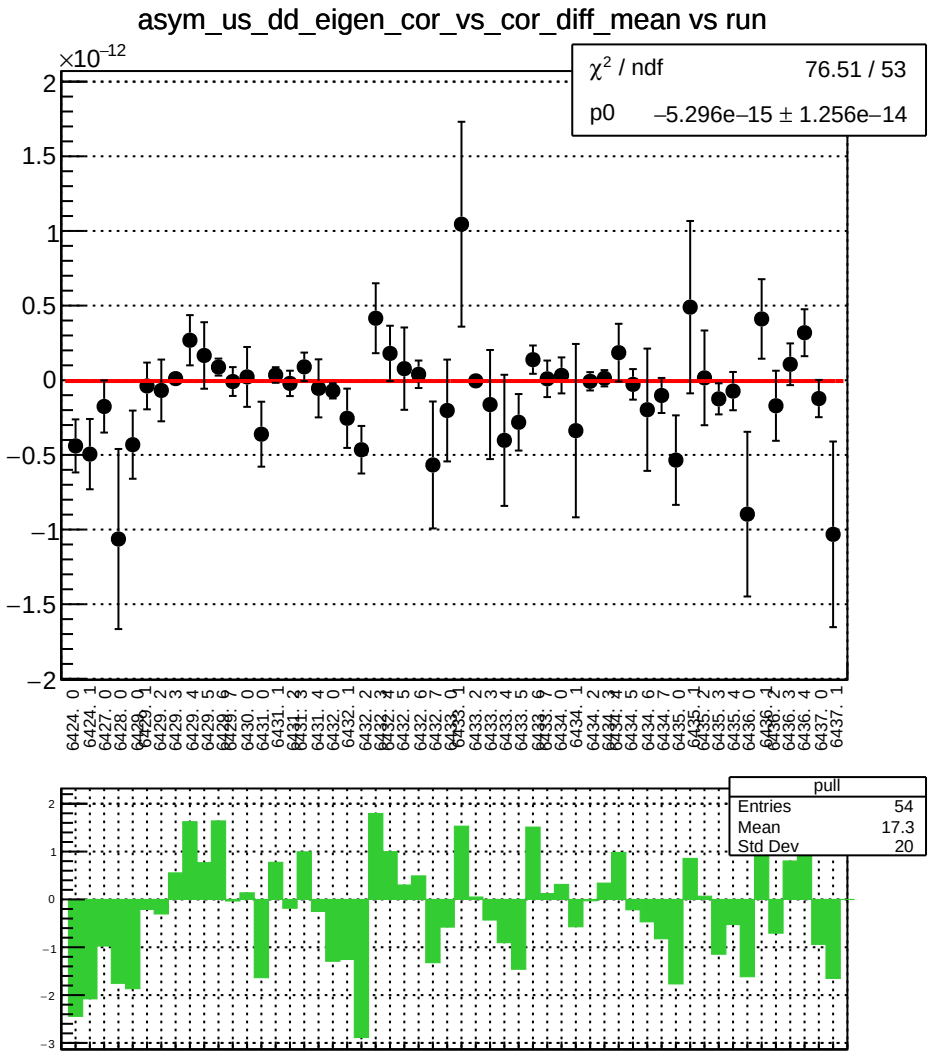

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.64 / 53
p0 0.00941 ± 0.03365
pull
Entries 54
Mean 48.26
Std Dev 0
pull1D
Entries 54
Mean 0.1278
Std Dev 1.128

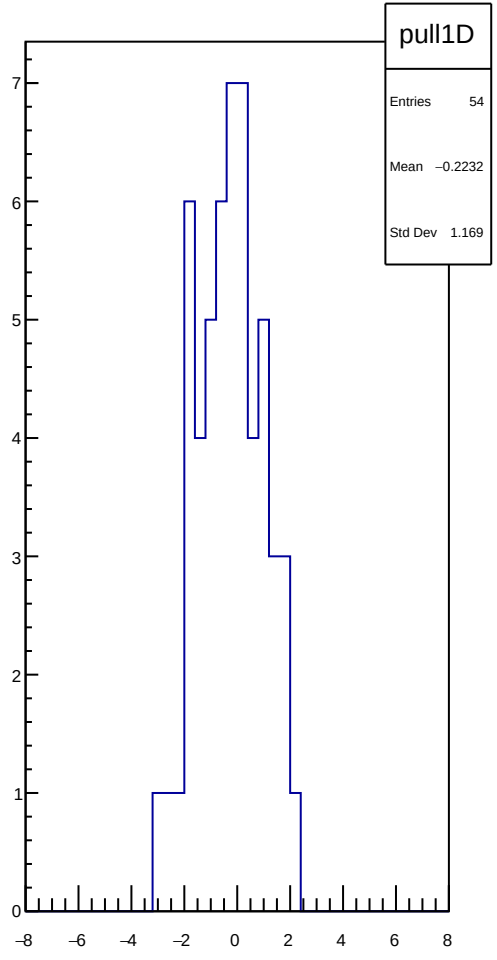

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.583e+05 / 53
p0 20.8 ± 0.02379
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

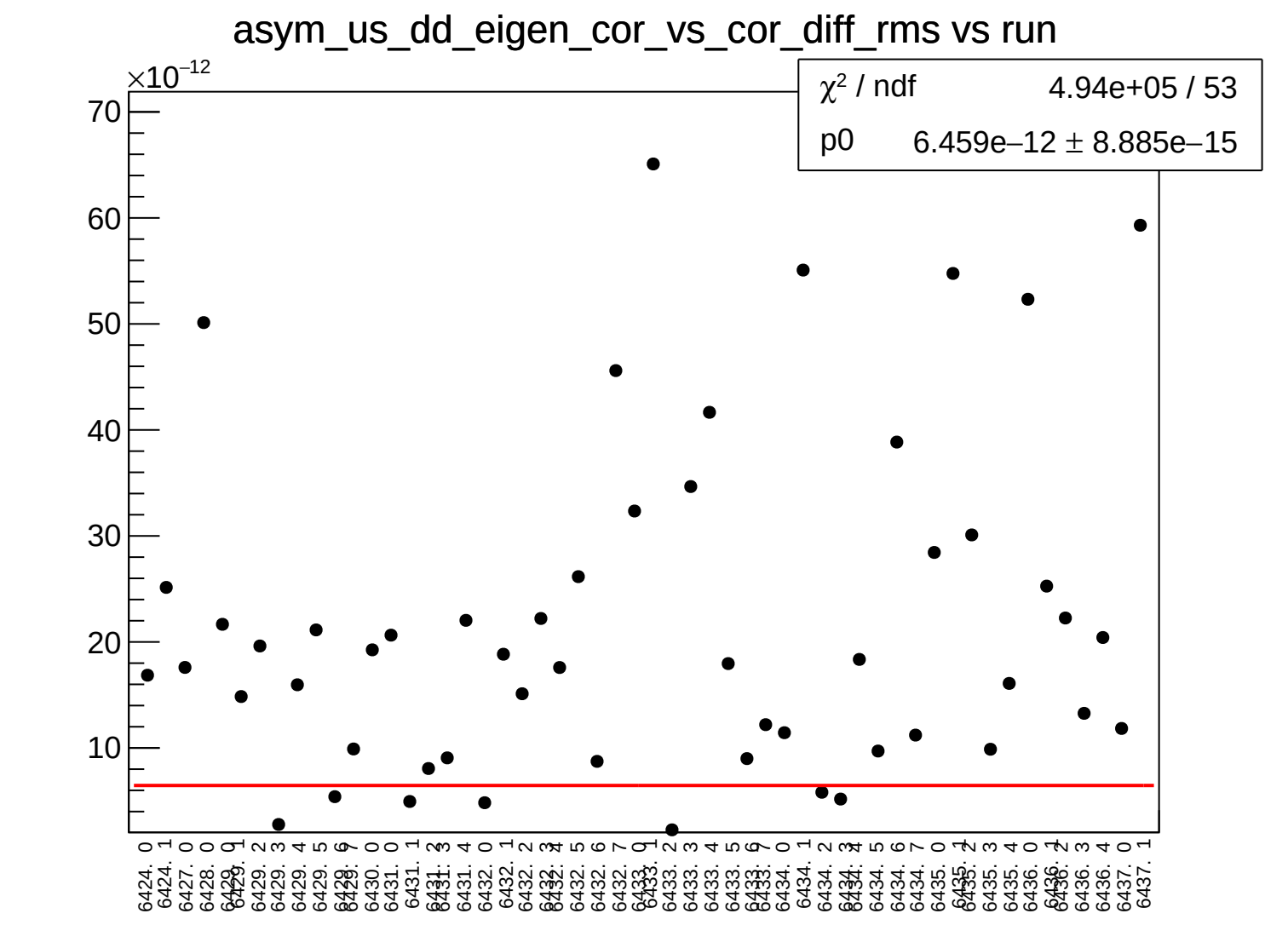

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 52.28 / 53
p0 0.02002 ± 0.06081
pull
Entries 54
Mean 157.6
Std Dev 0

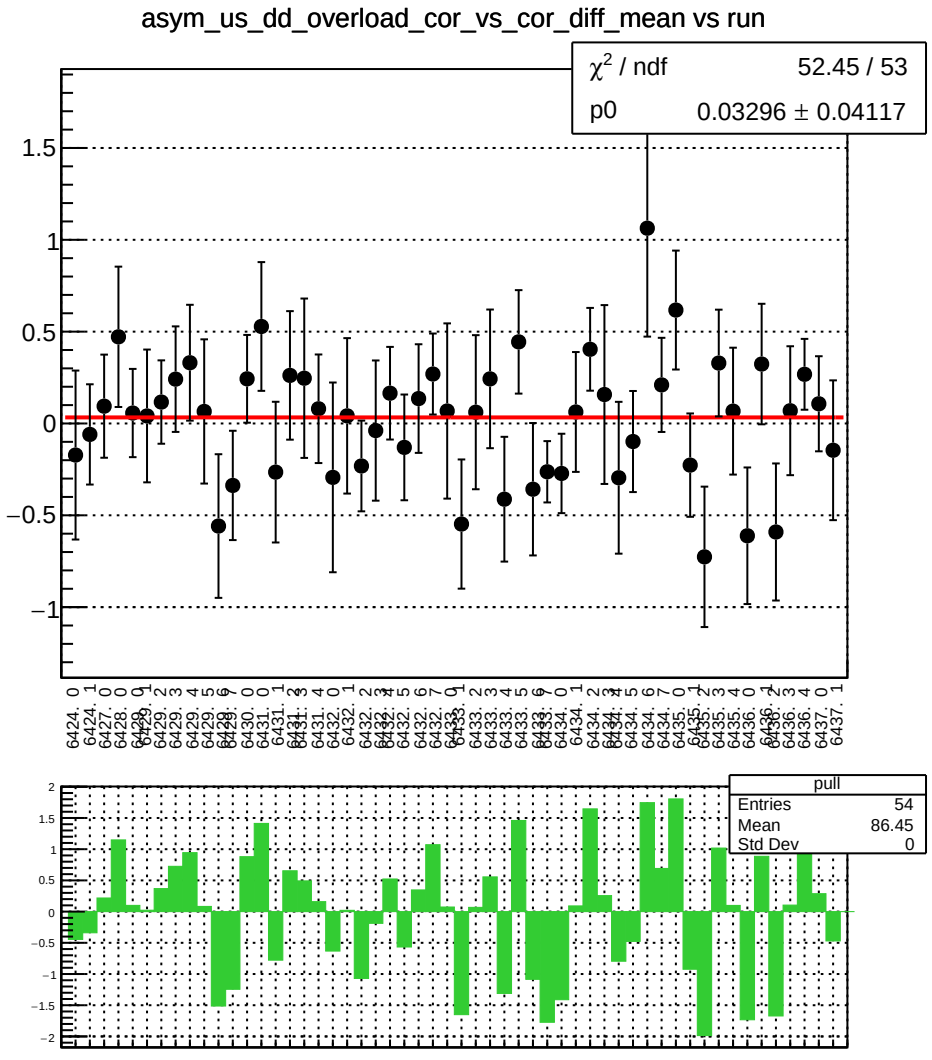

pull1D
Entries 54
Mean 0.0209
Std Dev 0.9837

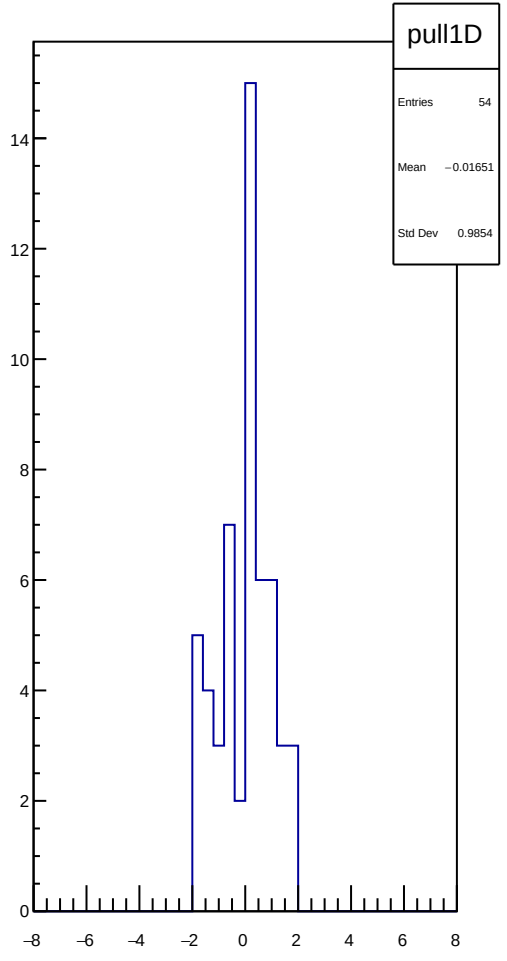

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.249e+04 / 53
p0 42.57 ± 0.043
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

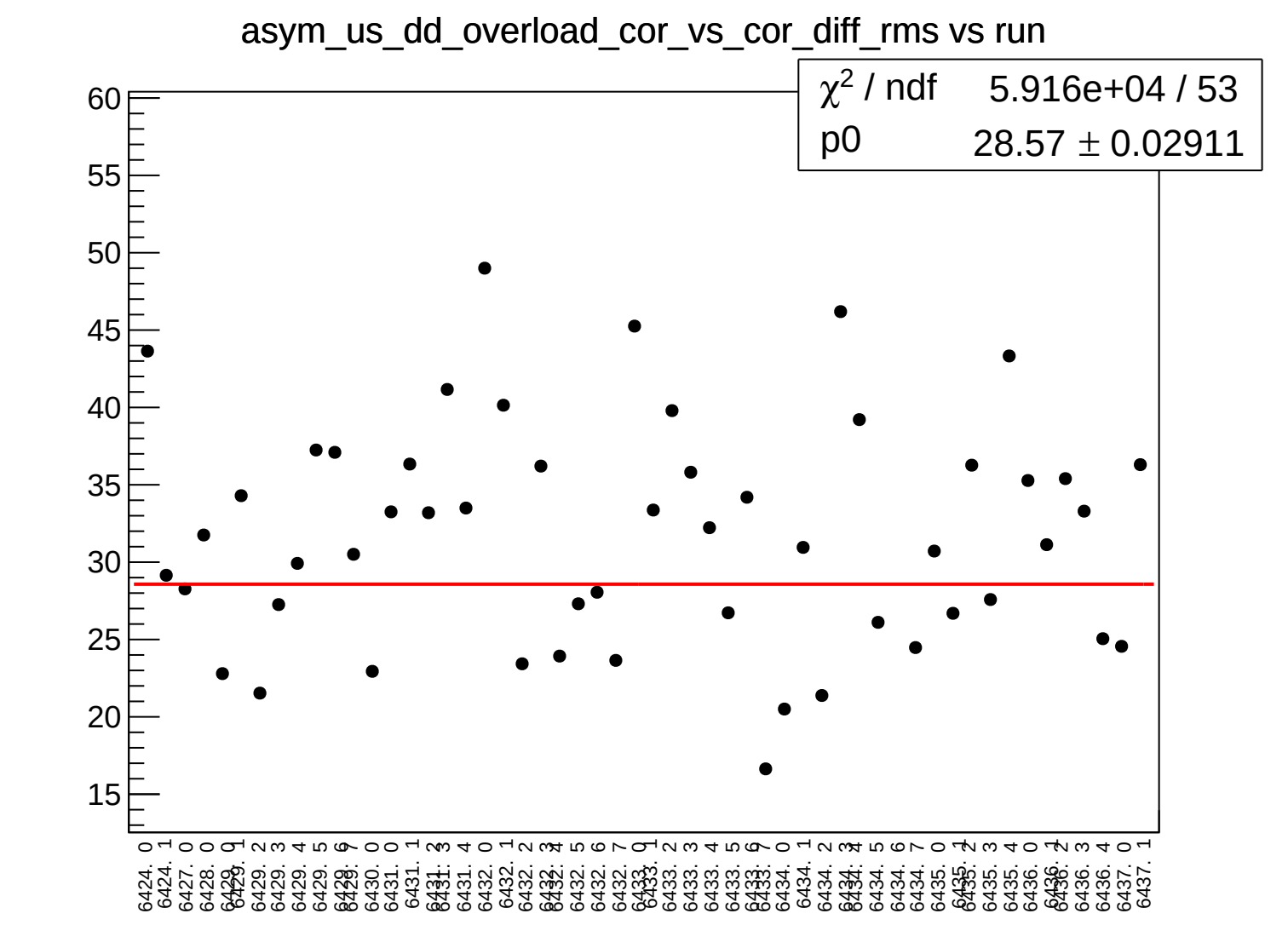

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.51 / 53
p0 −5.296e−15 ± 1.256e−14
pull
Entries 54
Mean 17.3
Std Dev 20

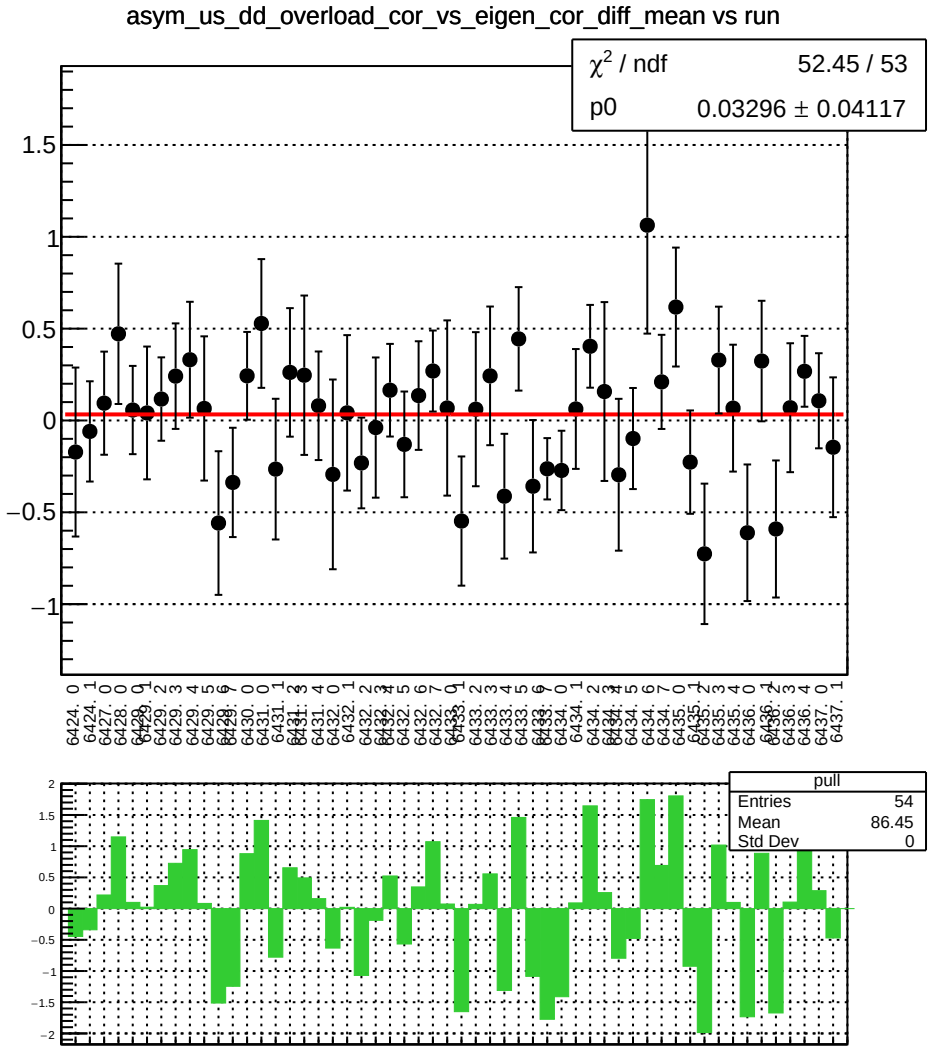

pull1D
Entries 54
Mean −0.2232
Std Dev 1.169

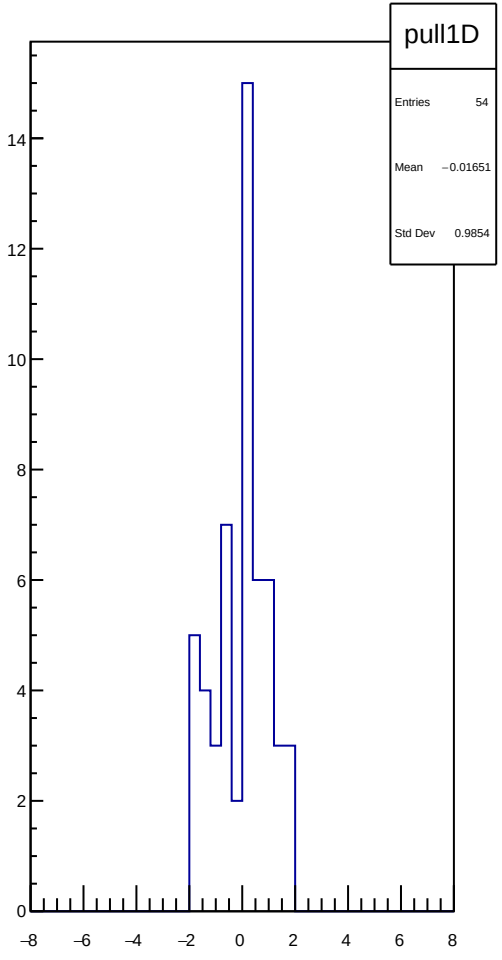

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.94e+05 / 53
p0 6.459e−12 ± 8.885e−15
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

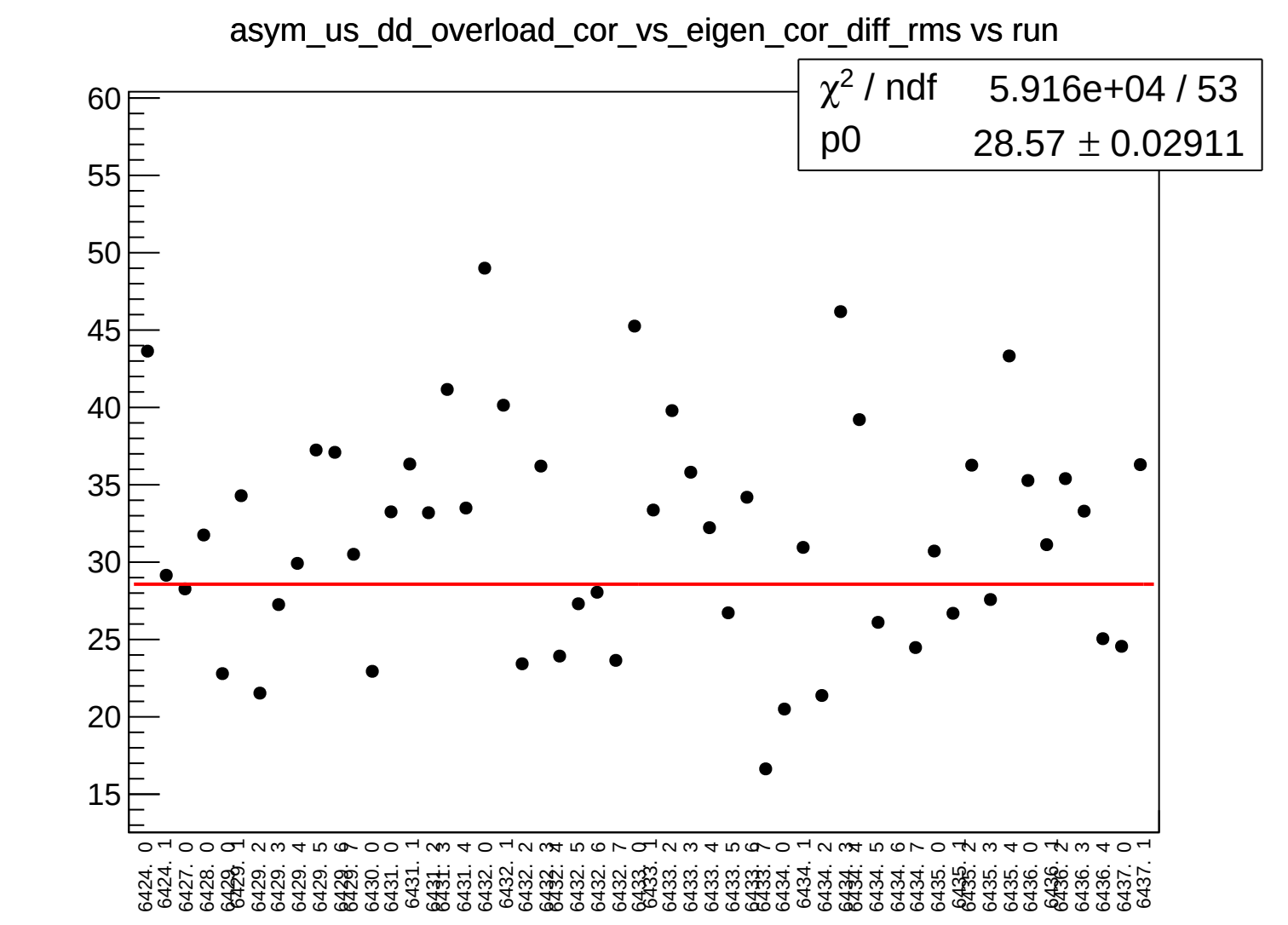

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 0.03296 ± 0.04117
pull
Entries 54
Mean 86.45
Std Dev 0

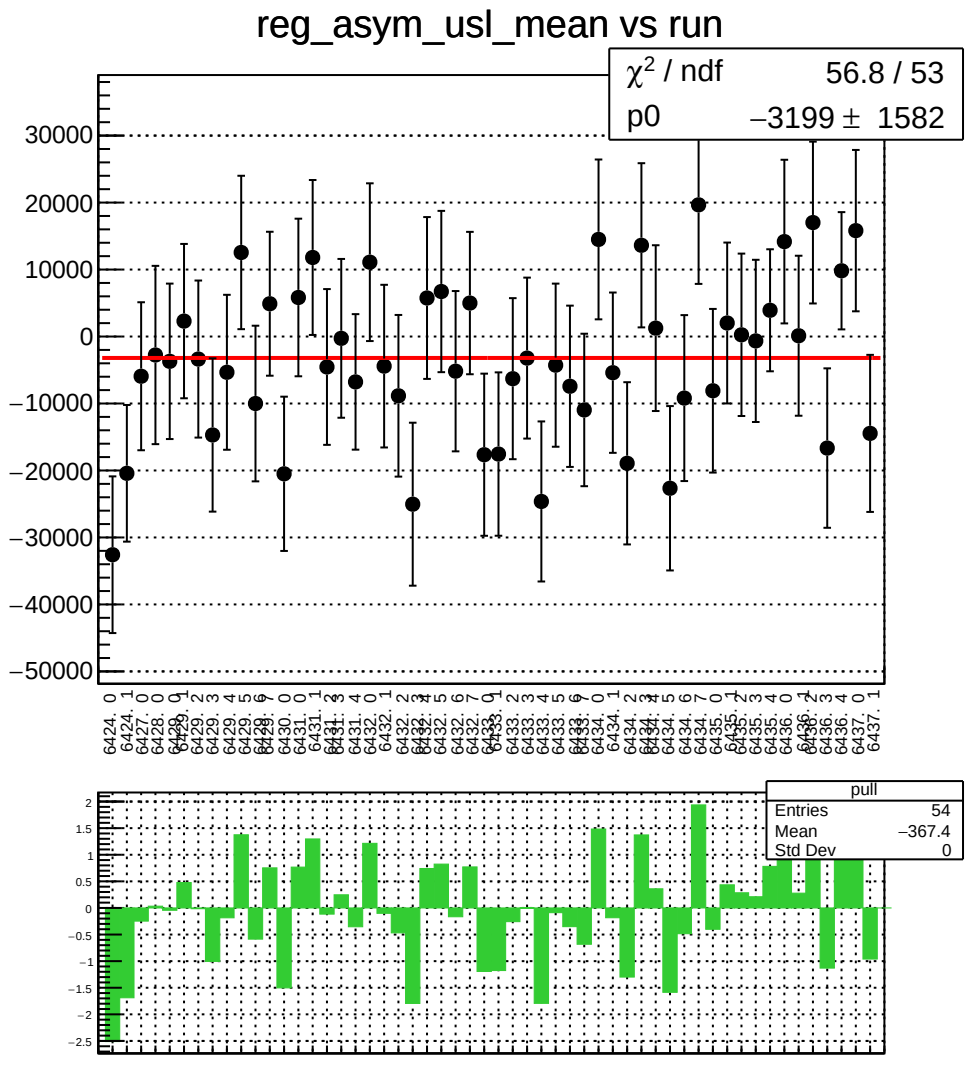

pull1D
Entries 54
Mean −0.01651
Std Dev 0.9854

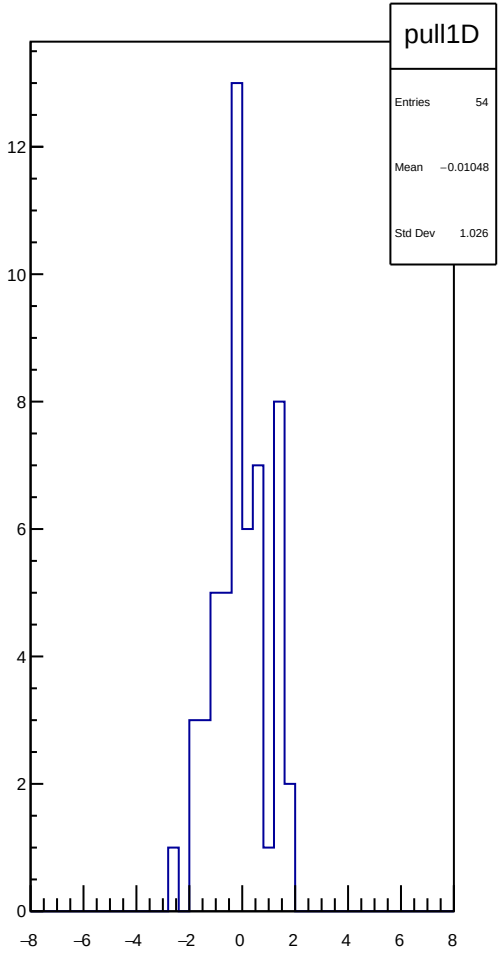

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.916e+04 / 53
p0 28.57 ± 0.02911
60
55
50
45
40
35
30
25
20
15
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

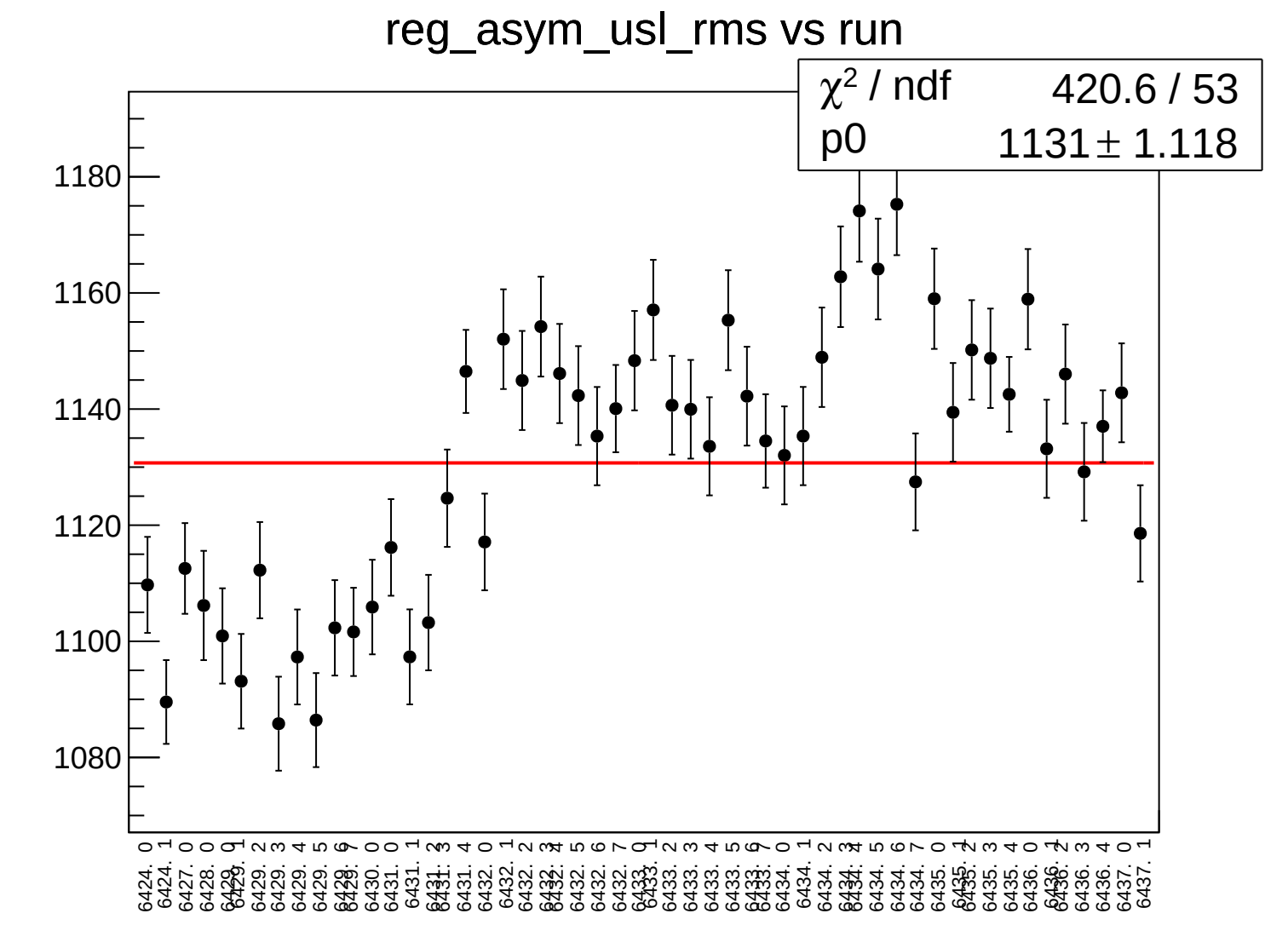

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.45 / 53
p0 0.03296 ± 0.04117
pull
Entries 54
Mean 86.45
Std Dev 0

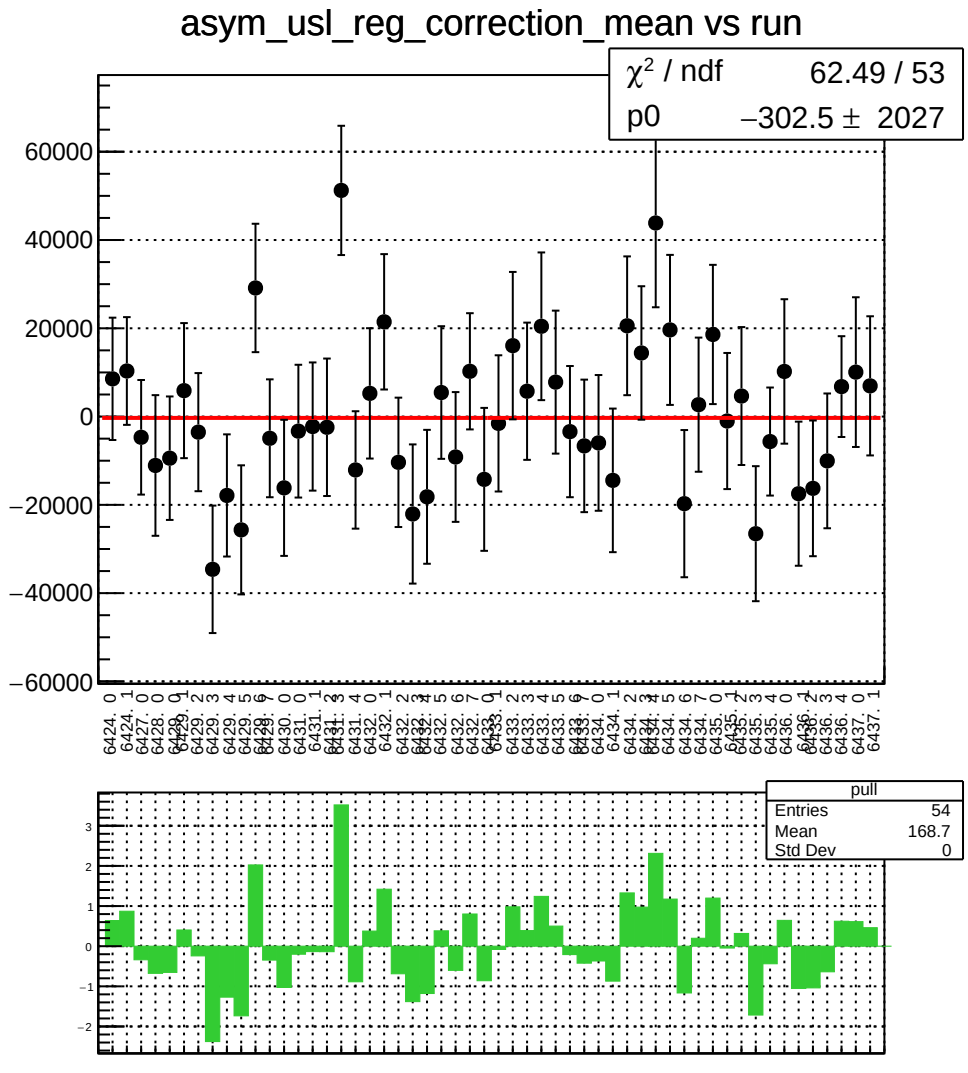

pull1D
Entries 54
Mean −0.01651
Std Dev 0.9854

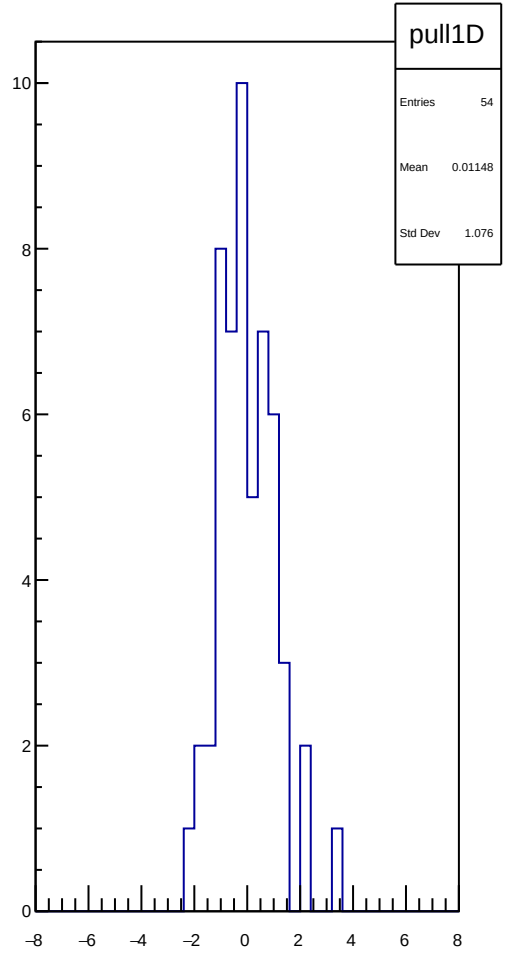

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.916e+04 / 53
p0 28.57 ± 0.02911
60
55
50
45
40
35
30
25
20
15
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

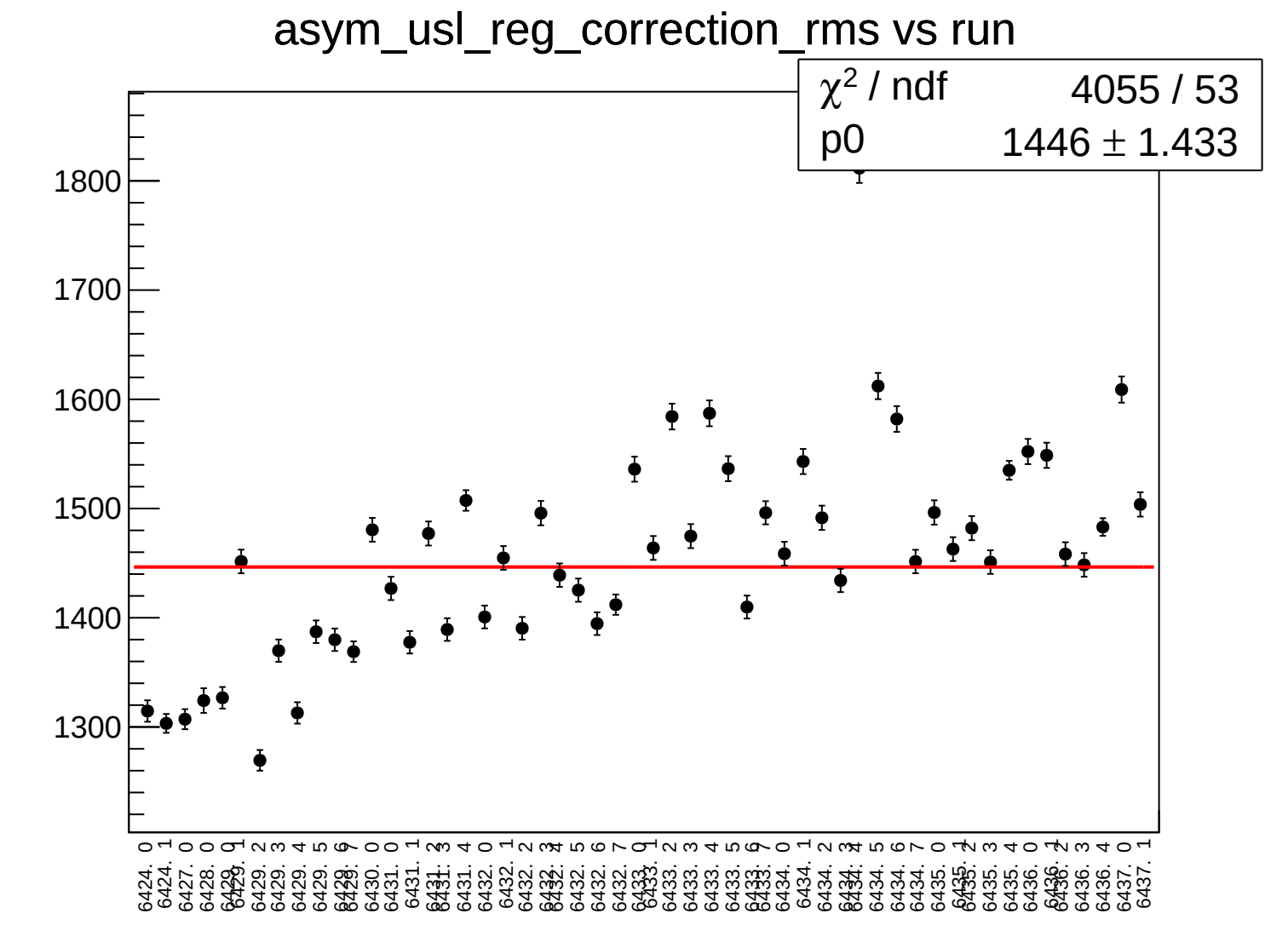

reg_asym_usl_mean vs run
χ² / ndf 56.8 / 53
p0 −3199 ± 1582
pull
Entries 54
Mean −367.4
Std Dev 0

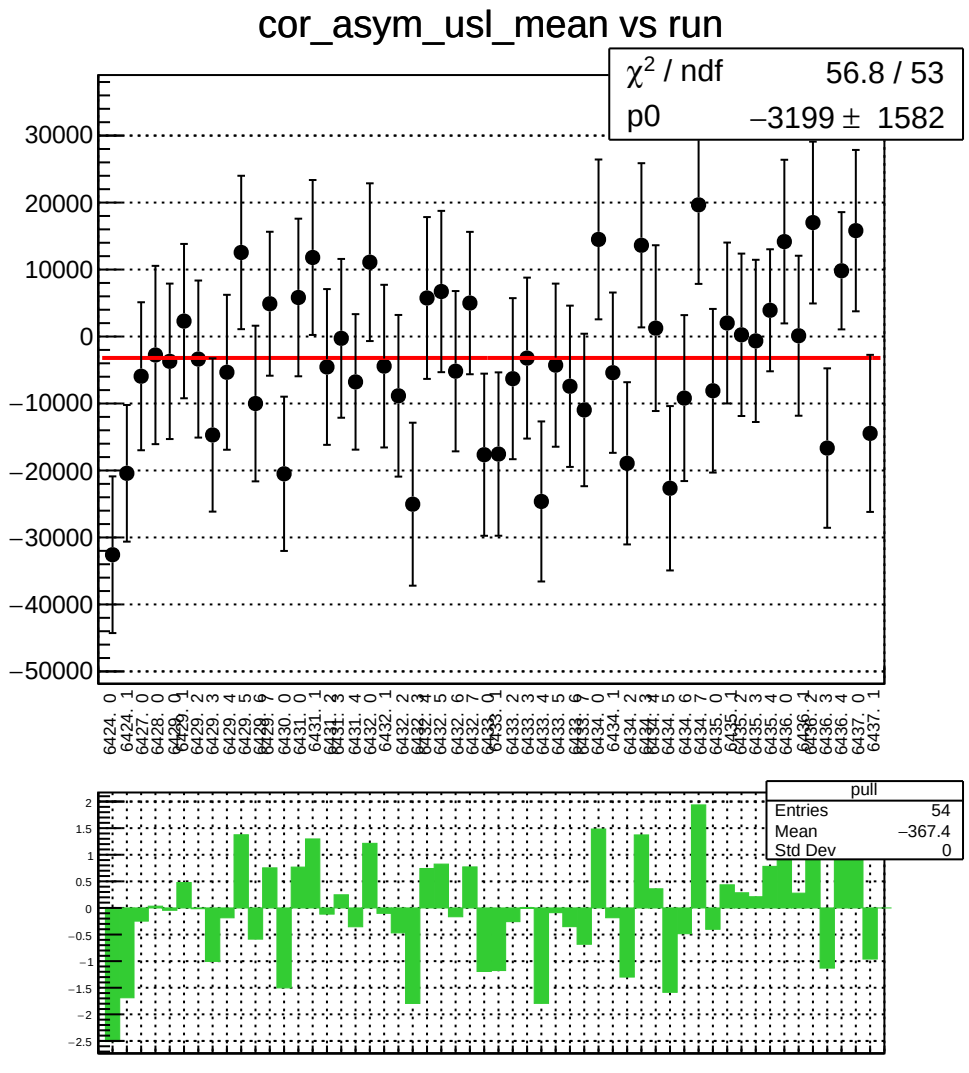

pull1D
Entries 54
Mean −0.01048
Std Dev 1.026

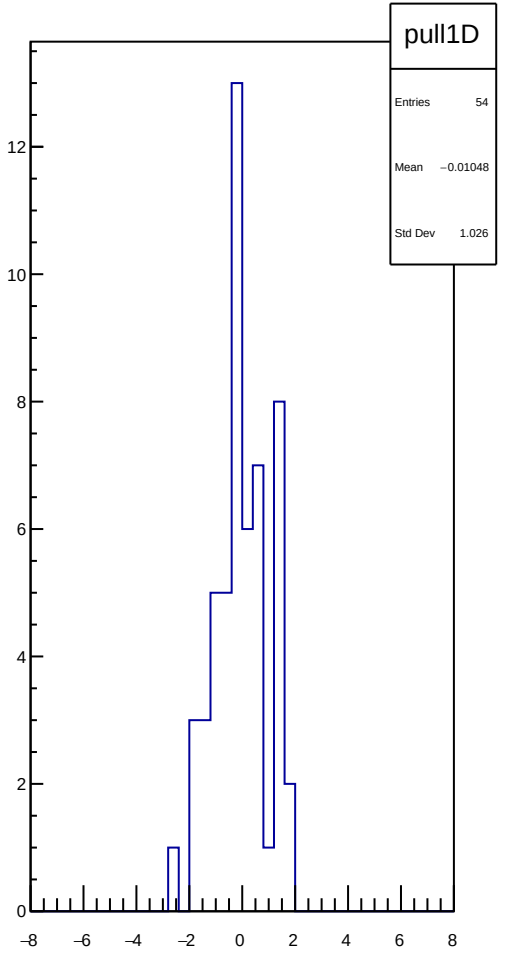

reg_asym_usl_rms vs run
χ² / ndf 420.6 / 53
p0 1131 ± 1.118
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

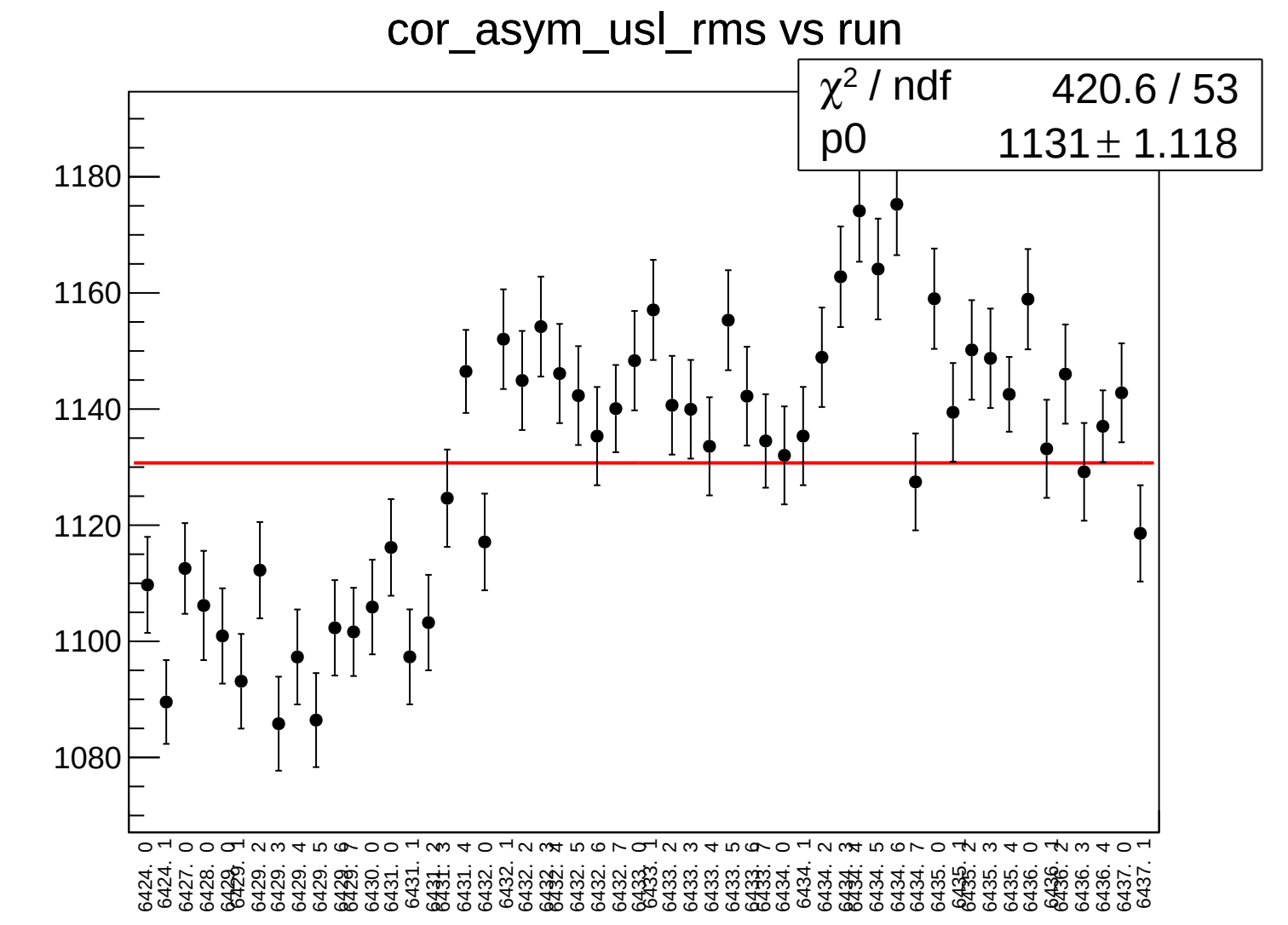

asym_usl_reg_correction_mean vs run
χ² / ndf 62.49 / 53
p0 −302.5 ± 2027
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 168.7
Std Dev 0
3
2
1
0
−1
−2

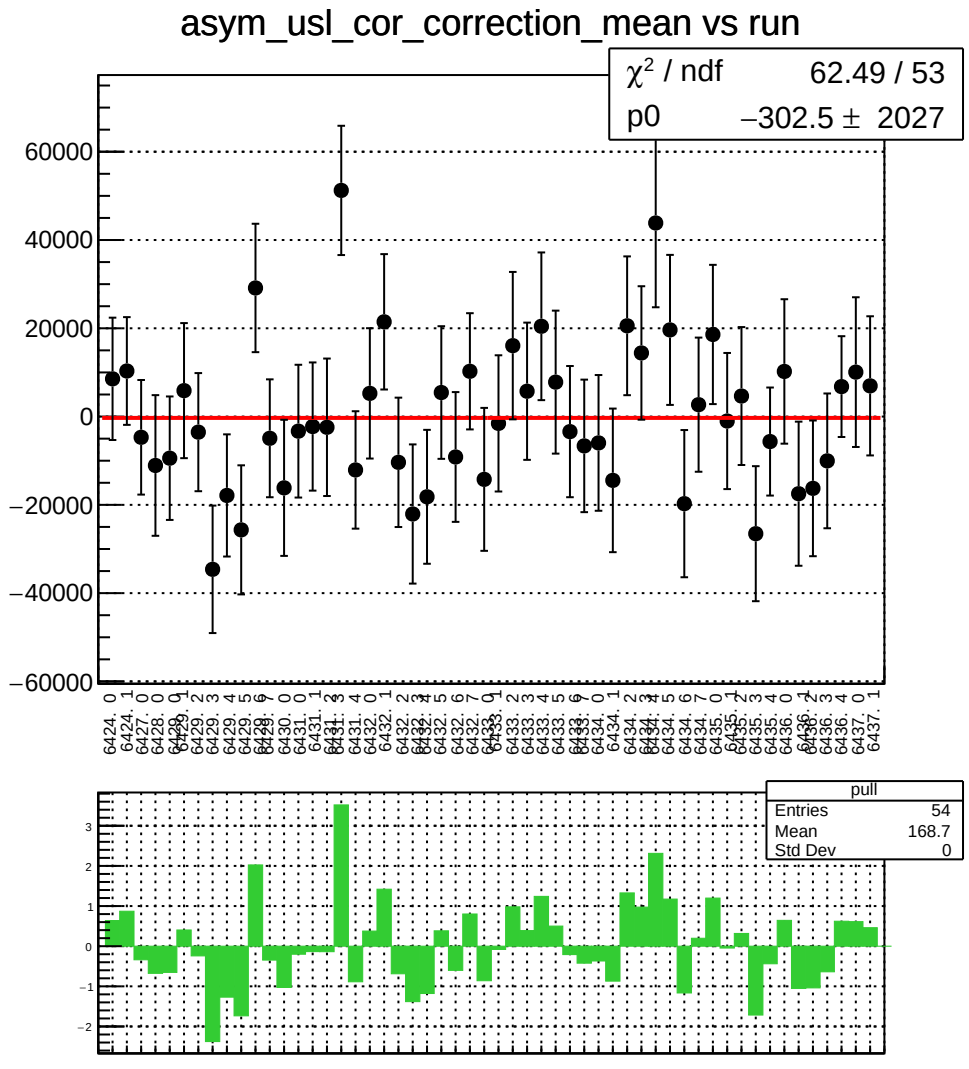

pull1D
Entries 54
Mean 0.01148
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

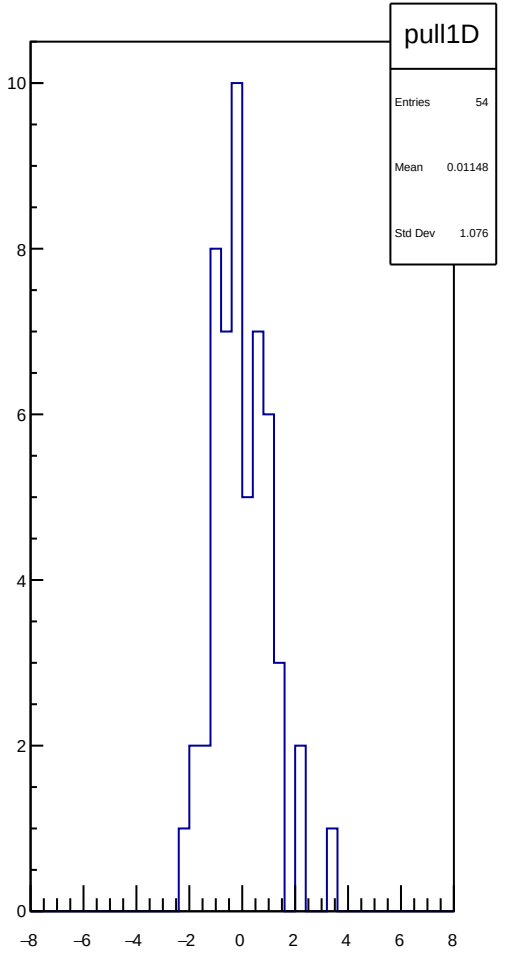

asym_usl_reg_correction_rms vs run
χ² / ndf 4055 / 53
p0 1446 ± 1.433
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

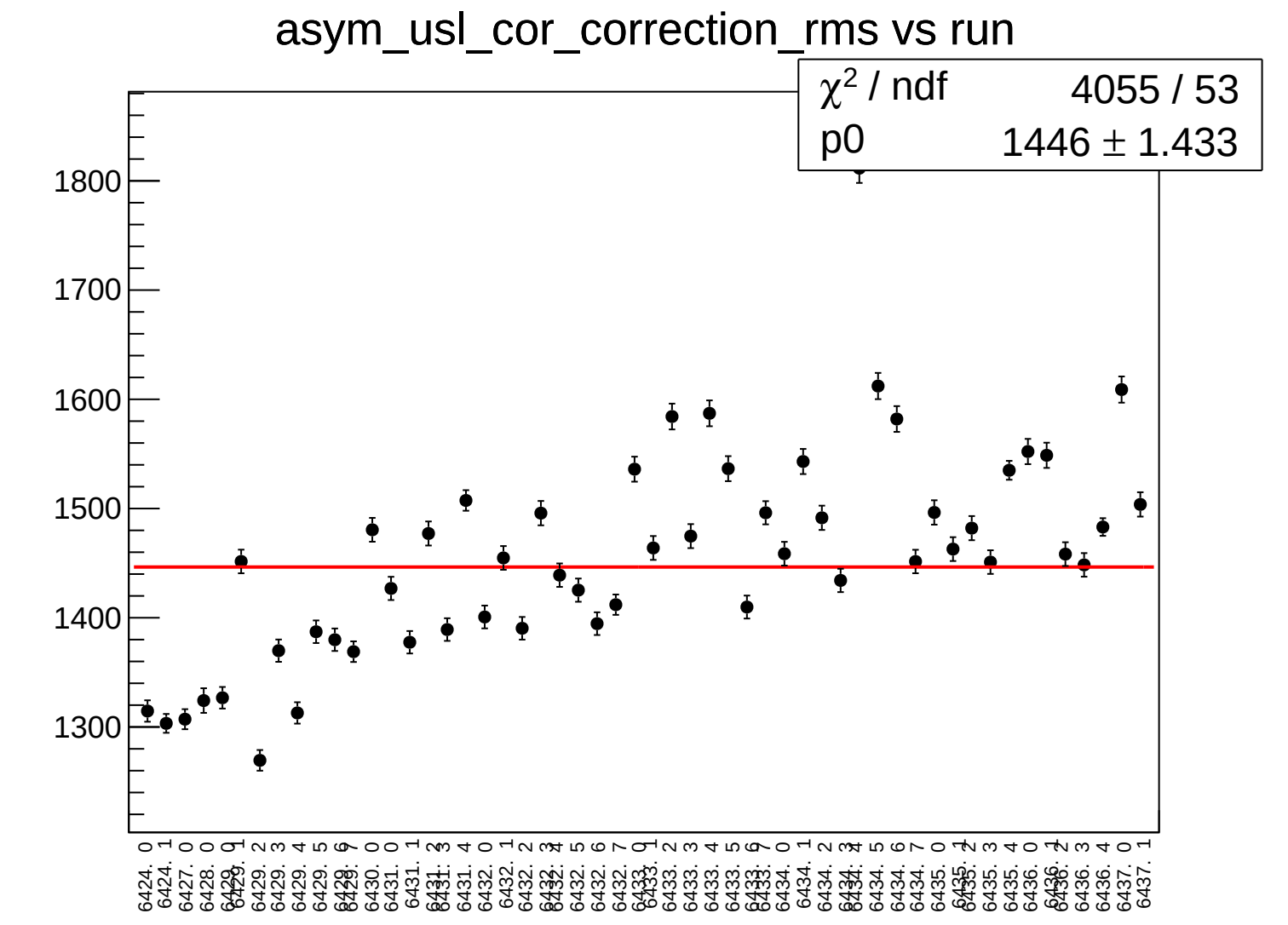

cor_asym_usl_mean vs run
χ² / ndf 56.8 / 53
p0 −3199 ± 1582
pull
Entries 54
Mean −367.4
Std Dev 0


pull1D
Entries 54
Mean −0.01048
Std Dev 1.026


cor_asym_usl_rms vs run
χ² / ndf 420.6 / 53
p0 1131 ± 1.118
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_cor_correction_mean vs run
χ² / ndf 62.49 / 53
p0 −302.5 ± 2027
pull
Entries 54
Mean 168.7
Std Dev 0


pull1D
Entries 54
Mean 0.01148
Std Dev 1.076


asym_usl_cor_correction_rms vs run
χ² / ndf 4055 / 53
p0 1446 ± 1.433
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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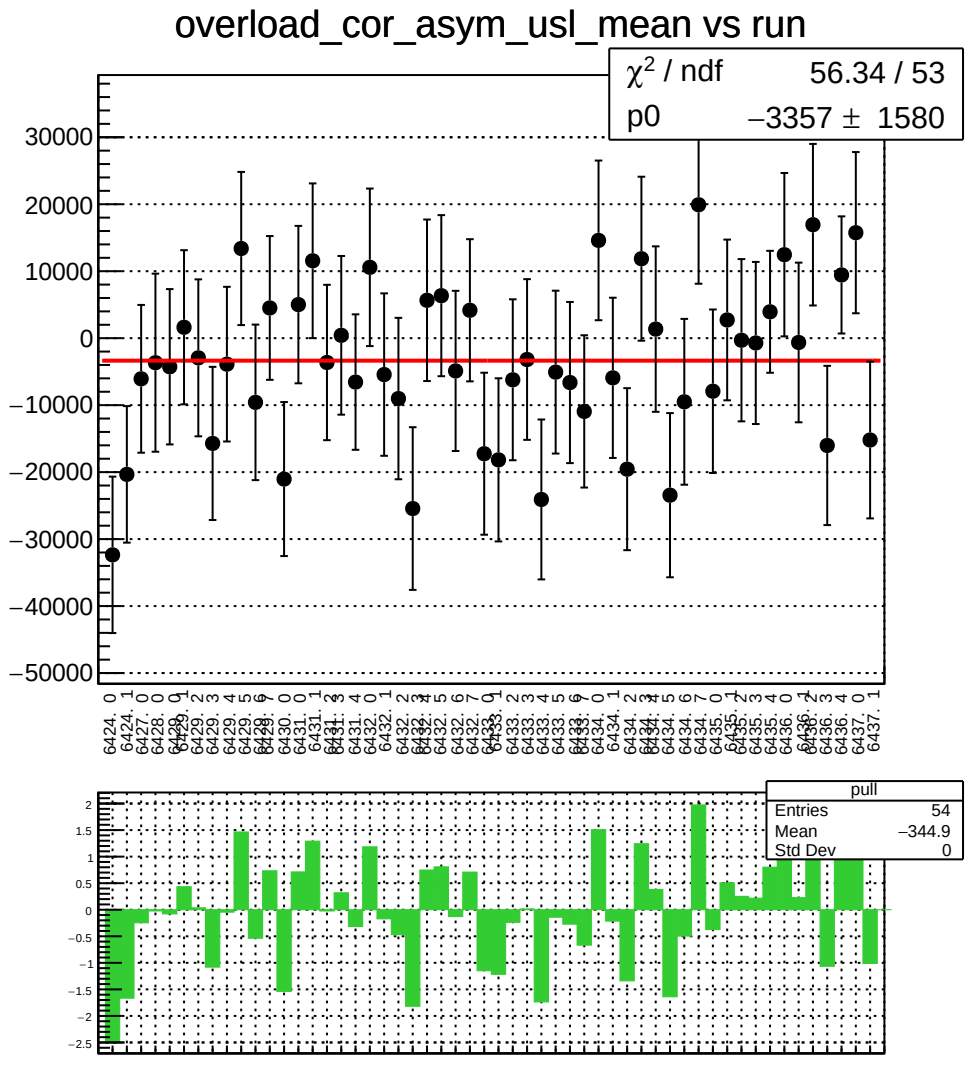
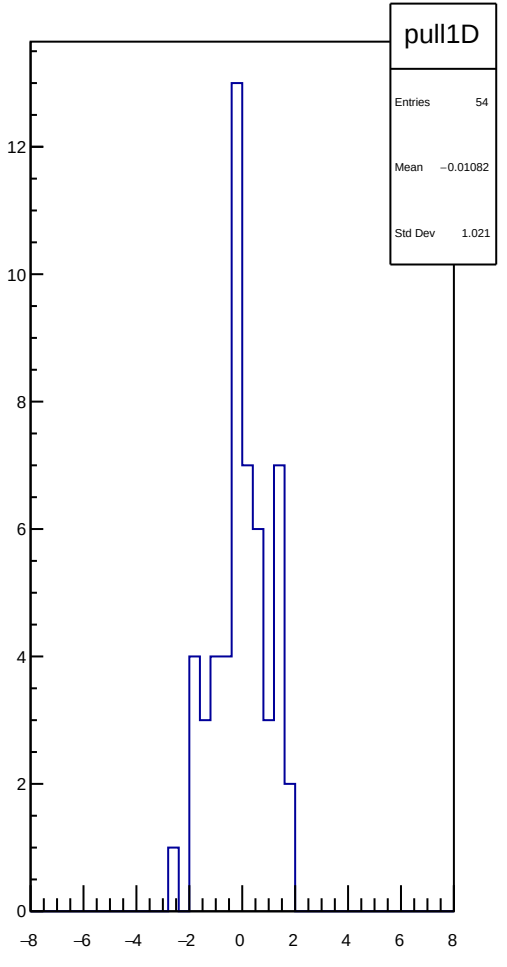
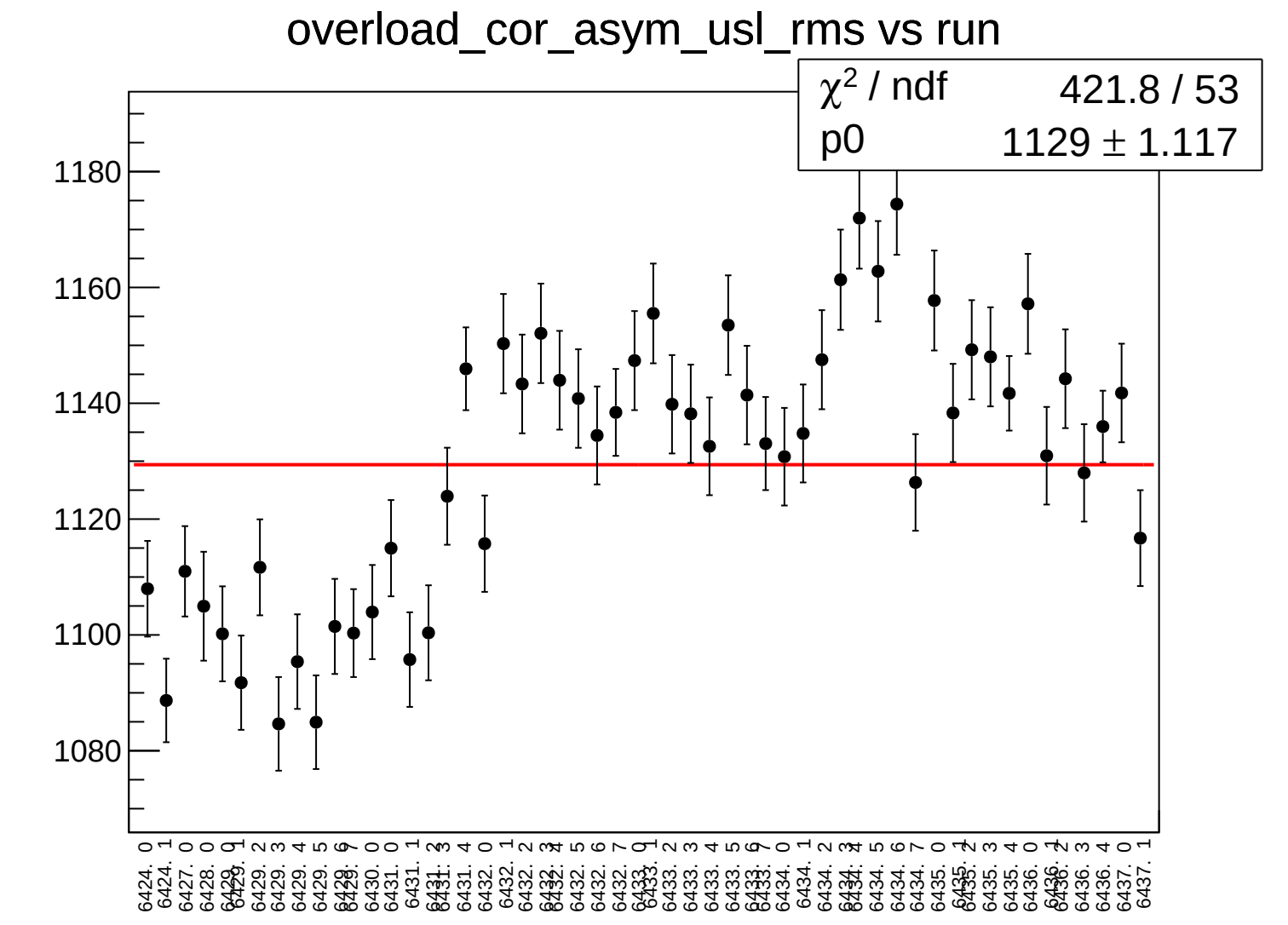
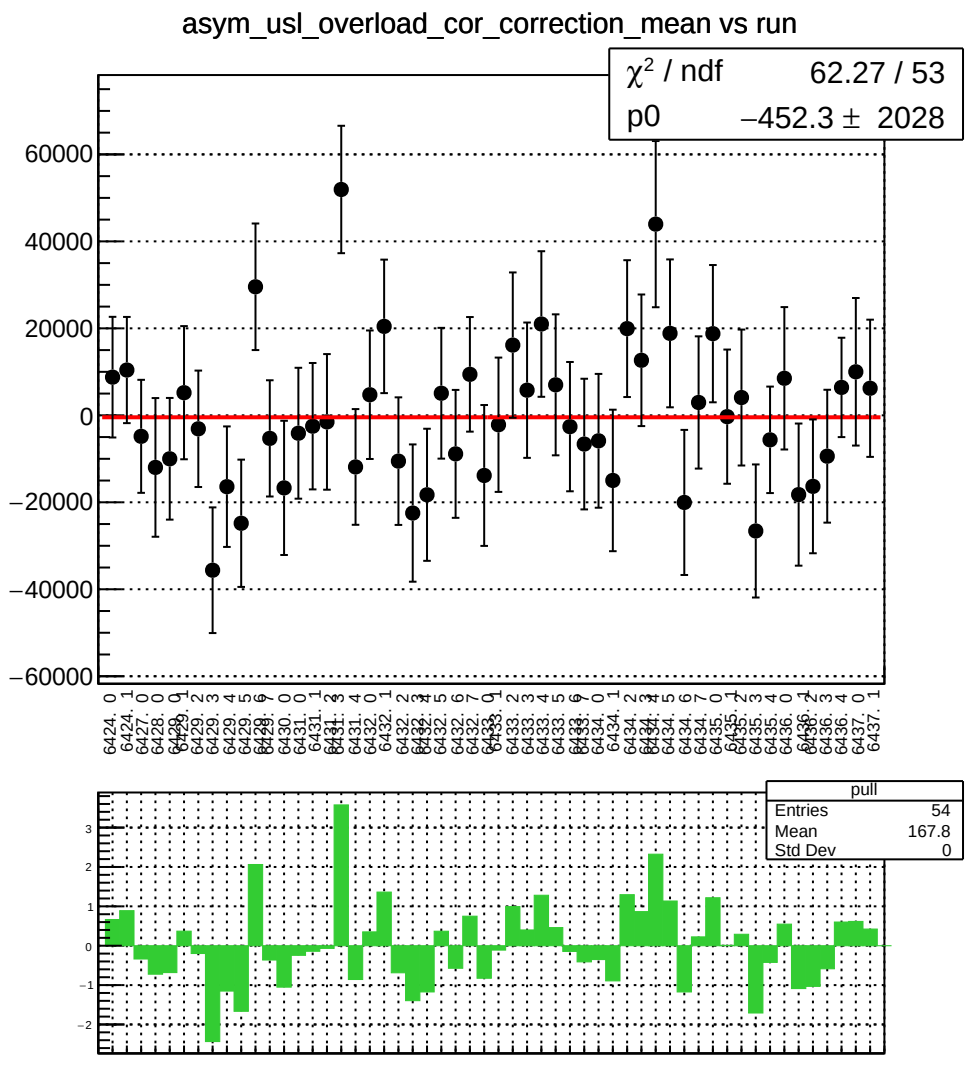
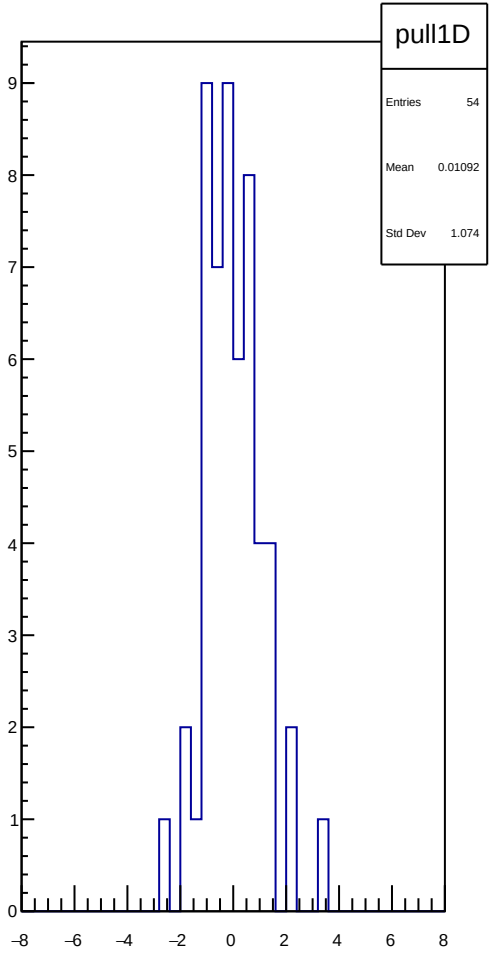
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

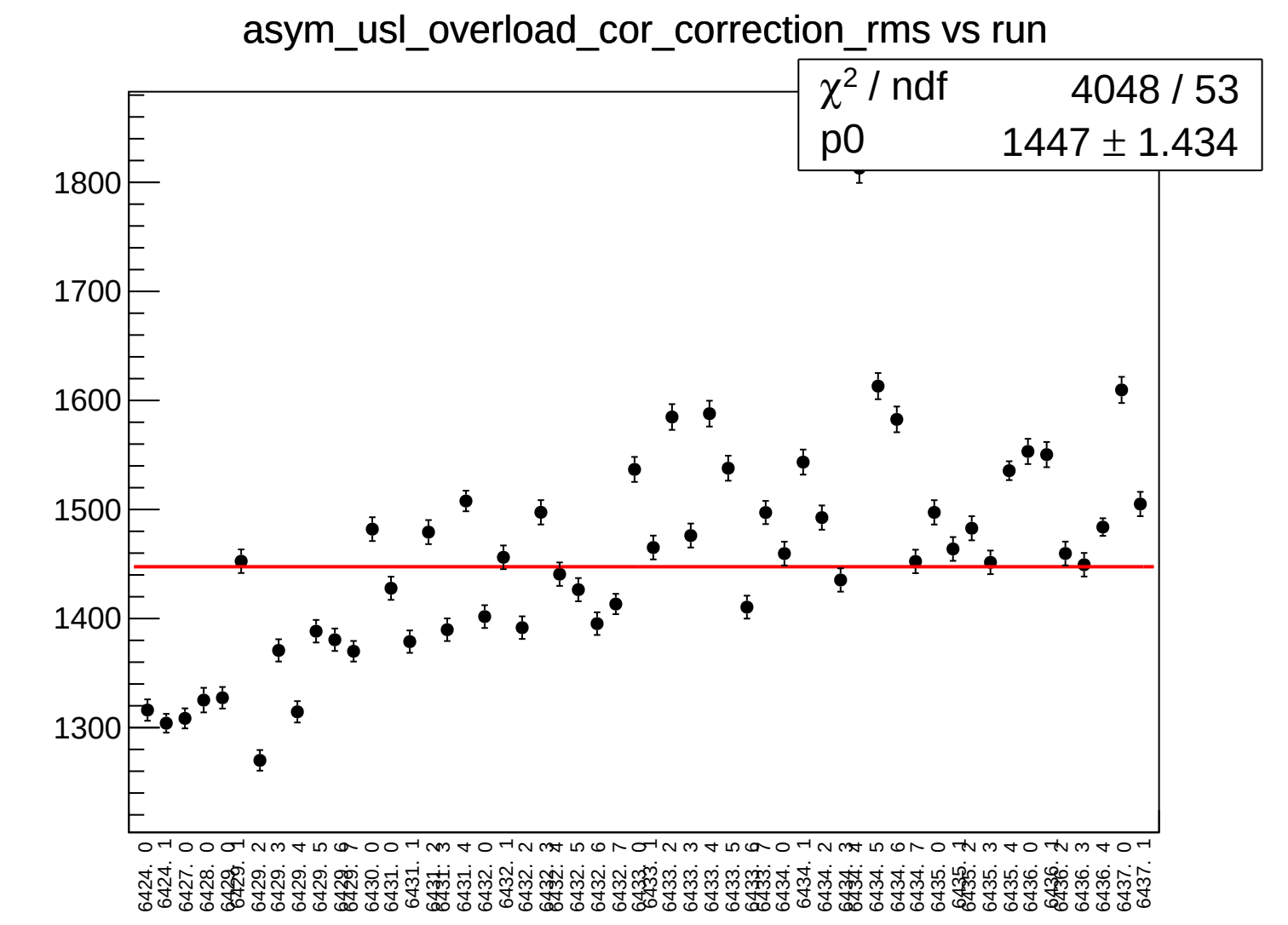

overload_cor_asym_usl_mean vs run
χ² / ndf 56.34 / 53
p0 −3357 ± 1580
pull
Entries 54
Mean −344.9
Std Dev 0


pull1D
Entries 54
Mean −0.01082
Std Dev 1.021


overload_cor_asym_usl_rms vs run
χ² / ndf 421.8 / 53
p0 1129 ± 1.117
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_overload_cor_correction_mean vs run
χ² / ndf 62.27 / 53
p0 −452.3 ± 2028
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 167.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01092
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_overload_cor_correction_rms vs run
χ² / ndf 4048 / 53
p0 1447 ± 1.434
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
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6434. 1
6434. 2
6434. 3
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6434. 7
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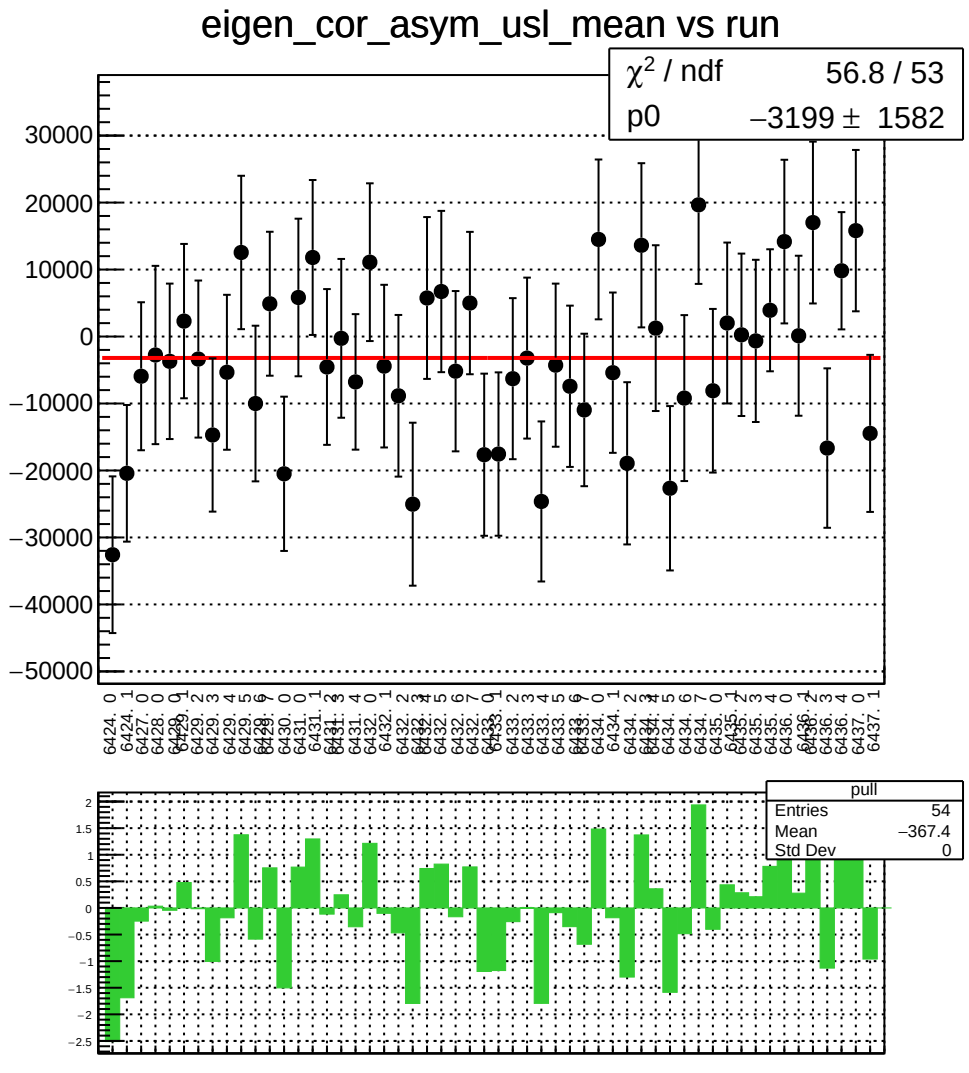
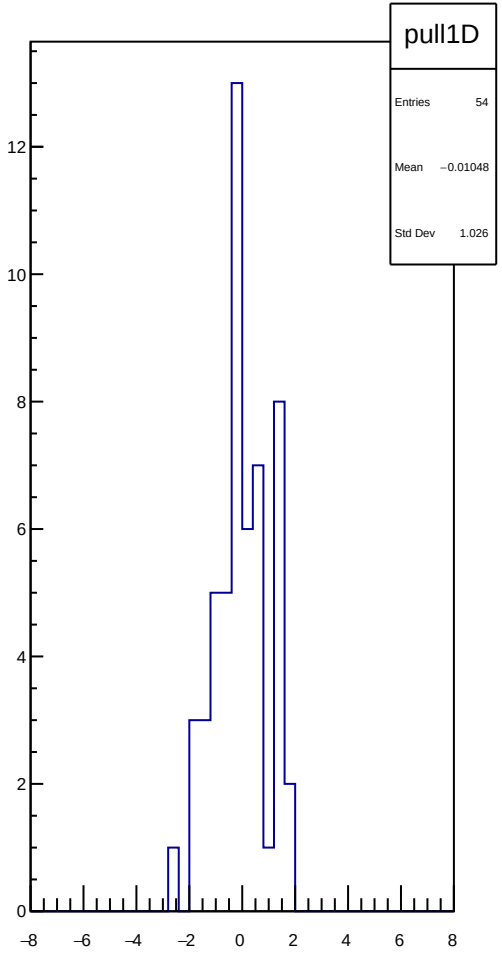
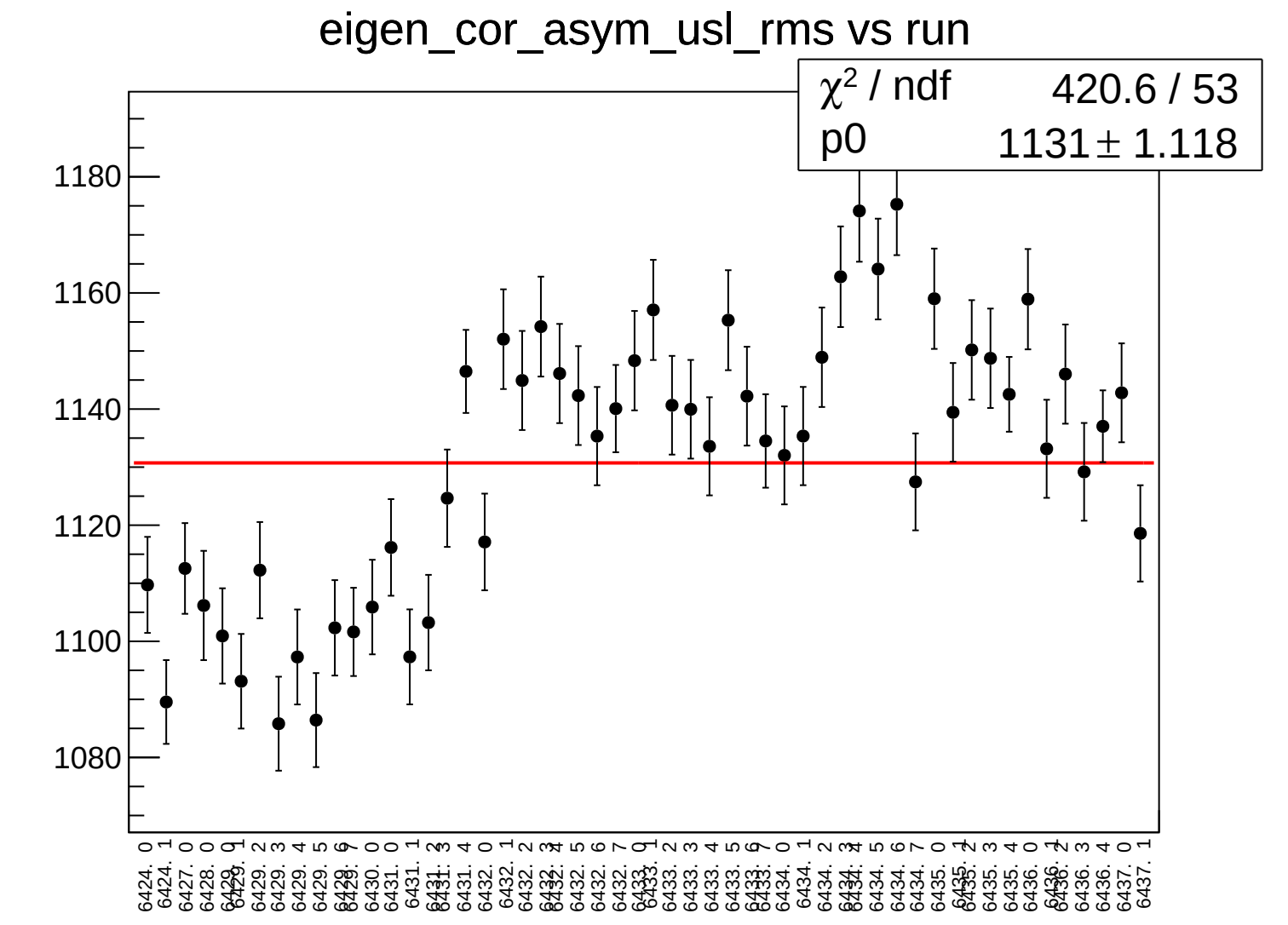
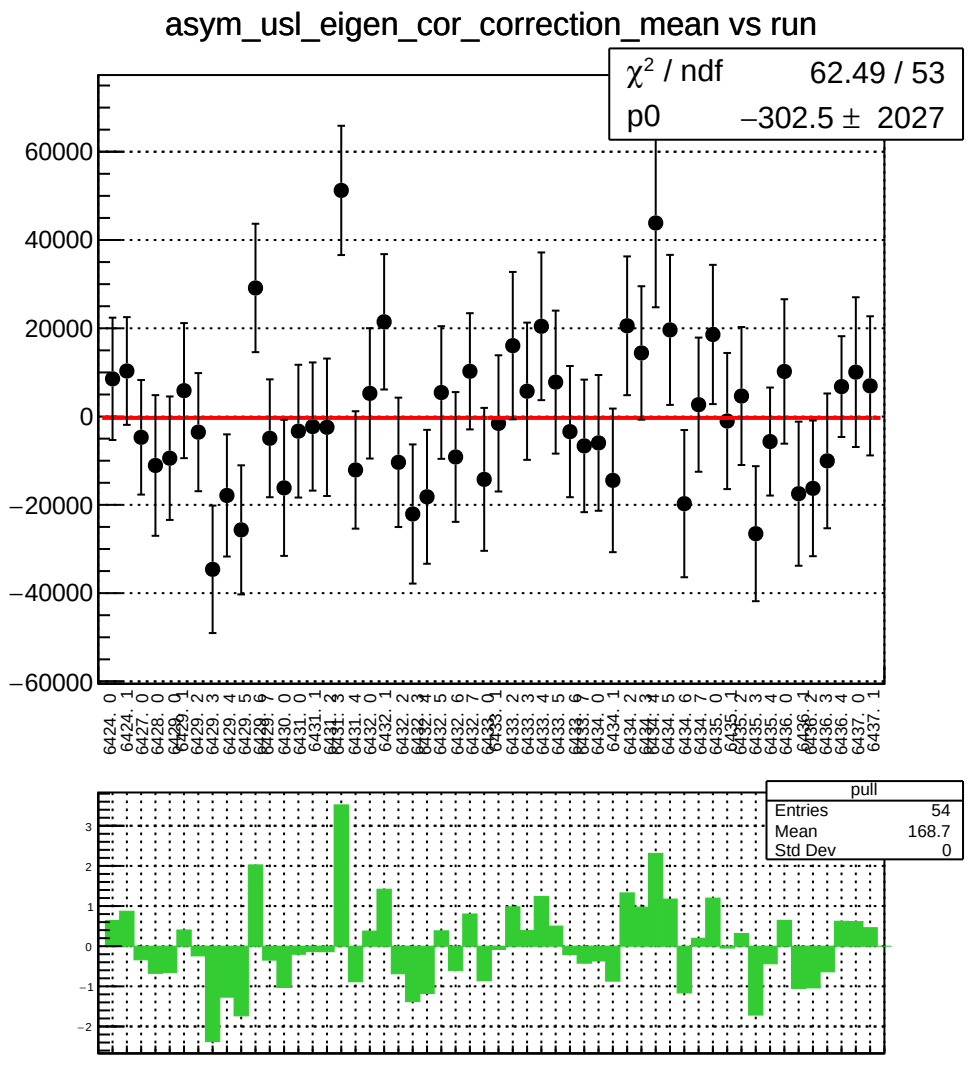
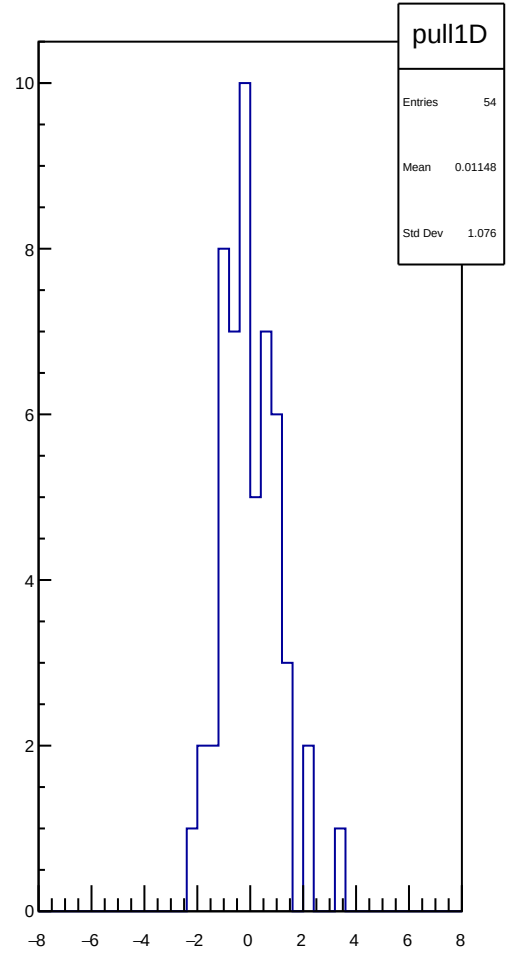
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

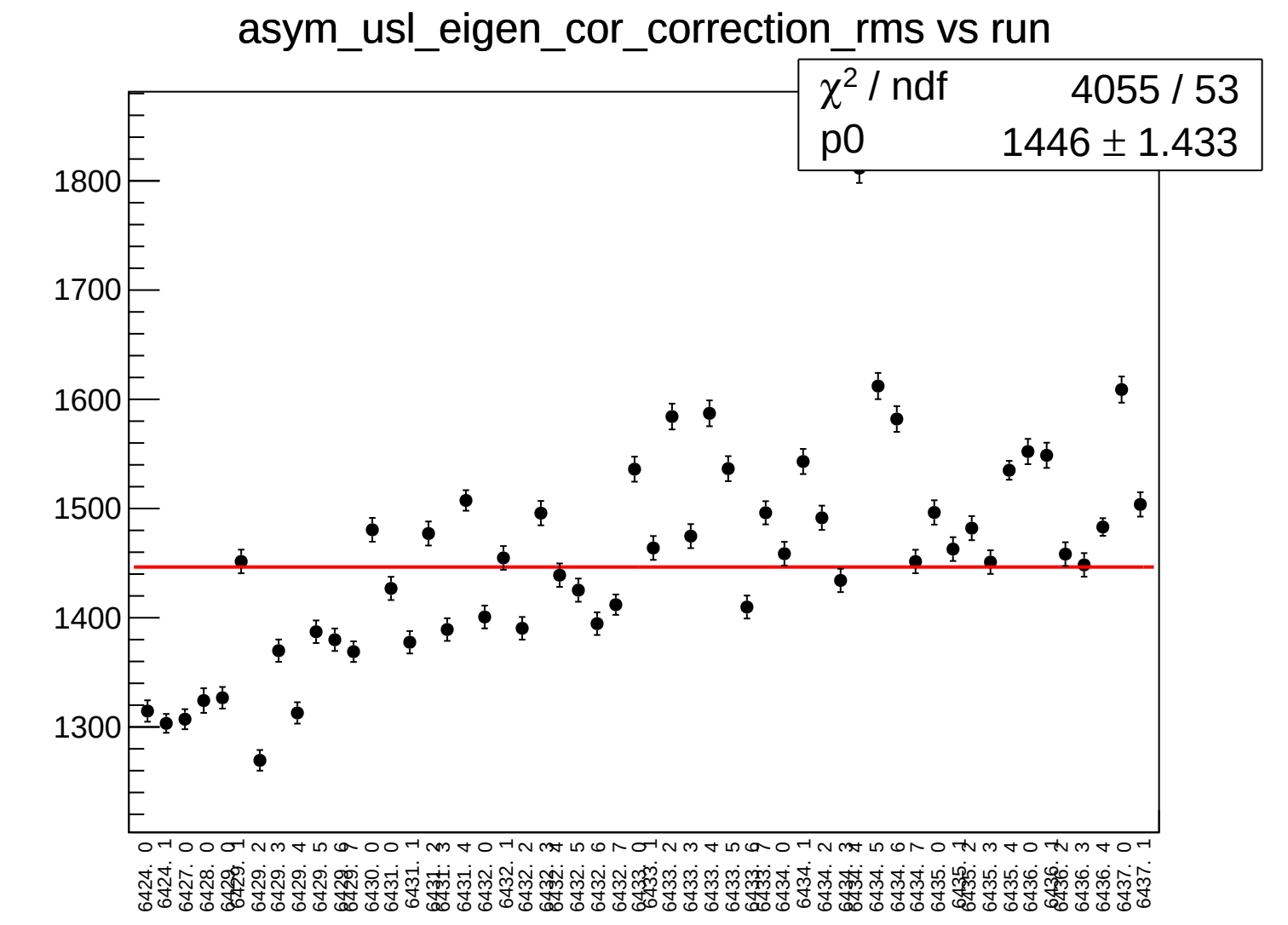

eigen_cor_asym_usl_mean vs run
χ² / ndf 56.8 / 53
p0 −3199 ± 1582
pull
Entries 54
Mean −367.4
Std Dev 0

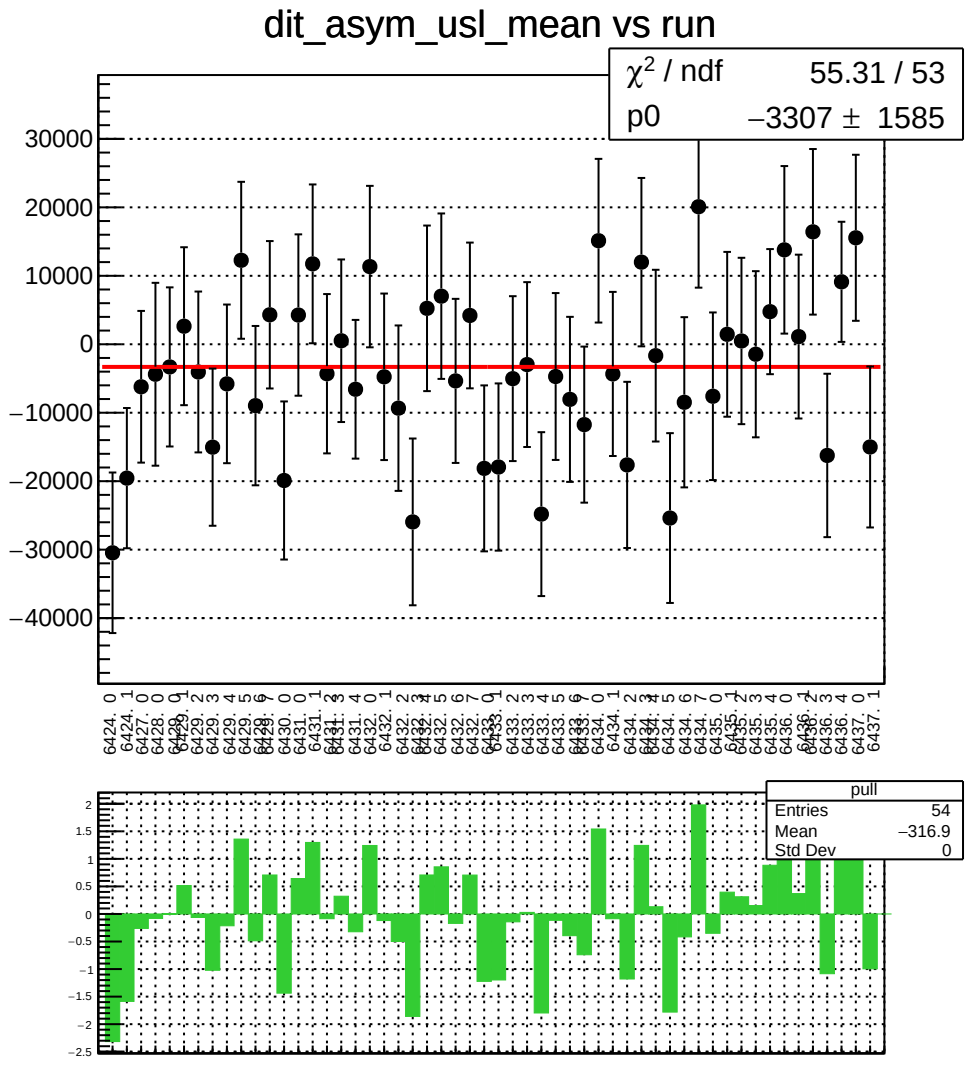

pull1D
Entries 54
Mean −0.01048
Std Dev 1.026

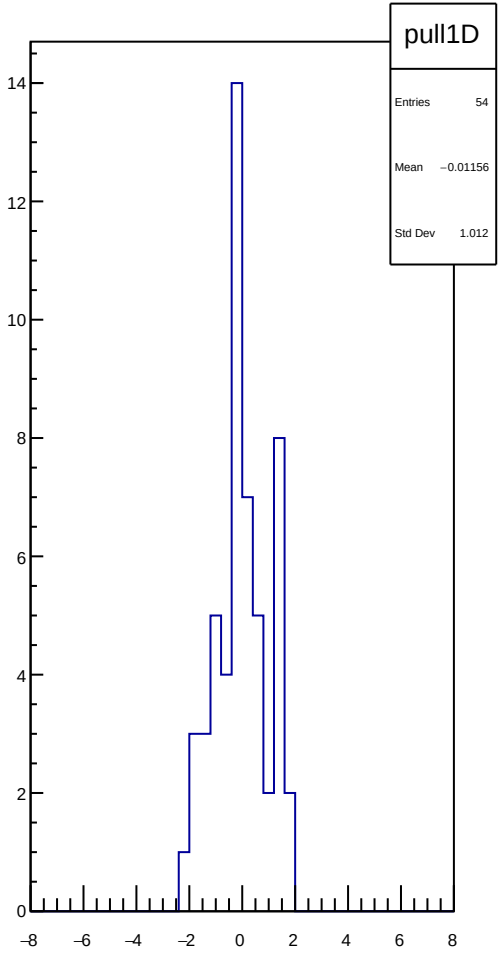

eigen_cor_asym_usl_rms vs run
χ^2 / ndf 420.6 / 53
p0 1131 ± 1.118
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

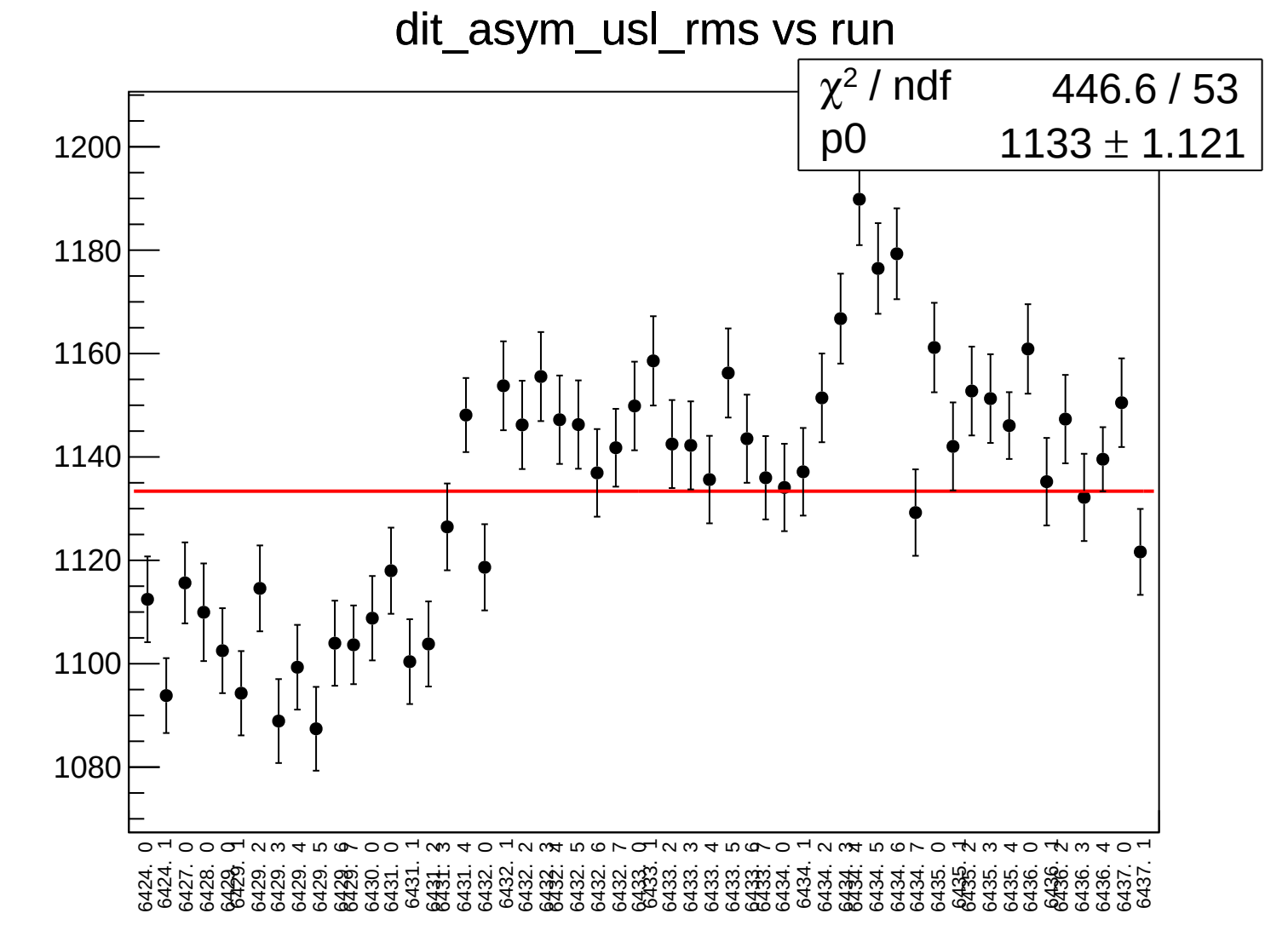

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 62.49 / 53
p0 −302.5 ± 2027
pull
Entries 54
Mean 168.7
Std Dev 0

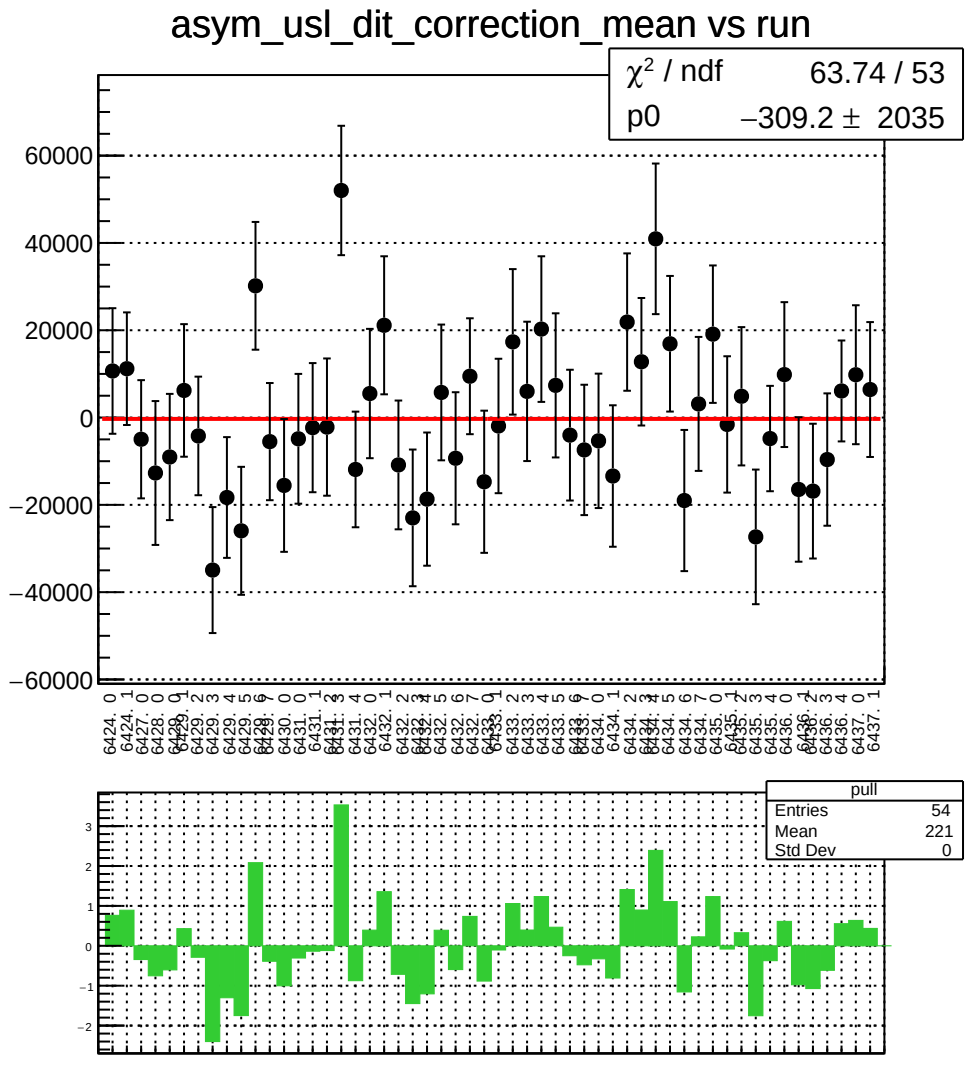

pull1D
Entries 54
Mean 0.01148
Std Dev 1.076

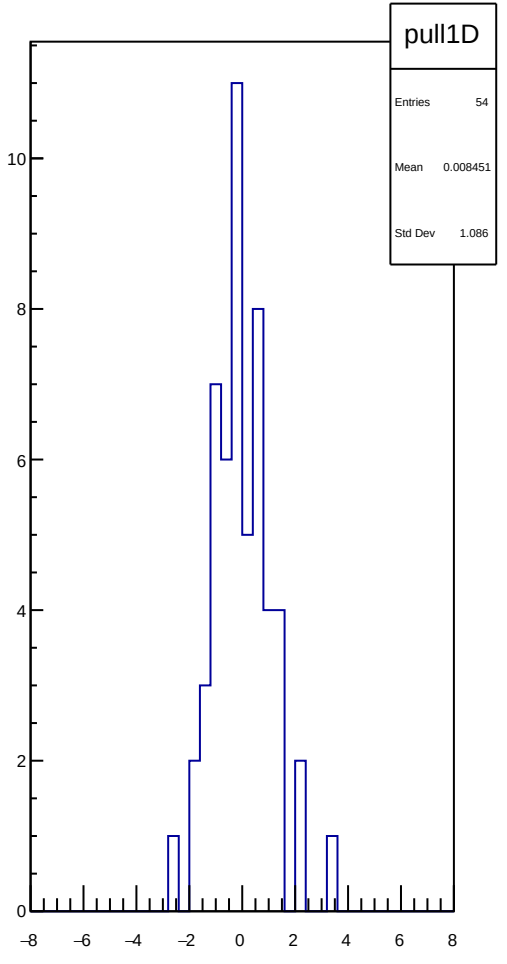

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 4055 / 53
p0 1446 ± 1.433
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

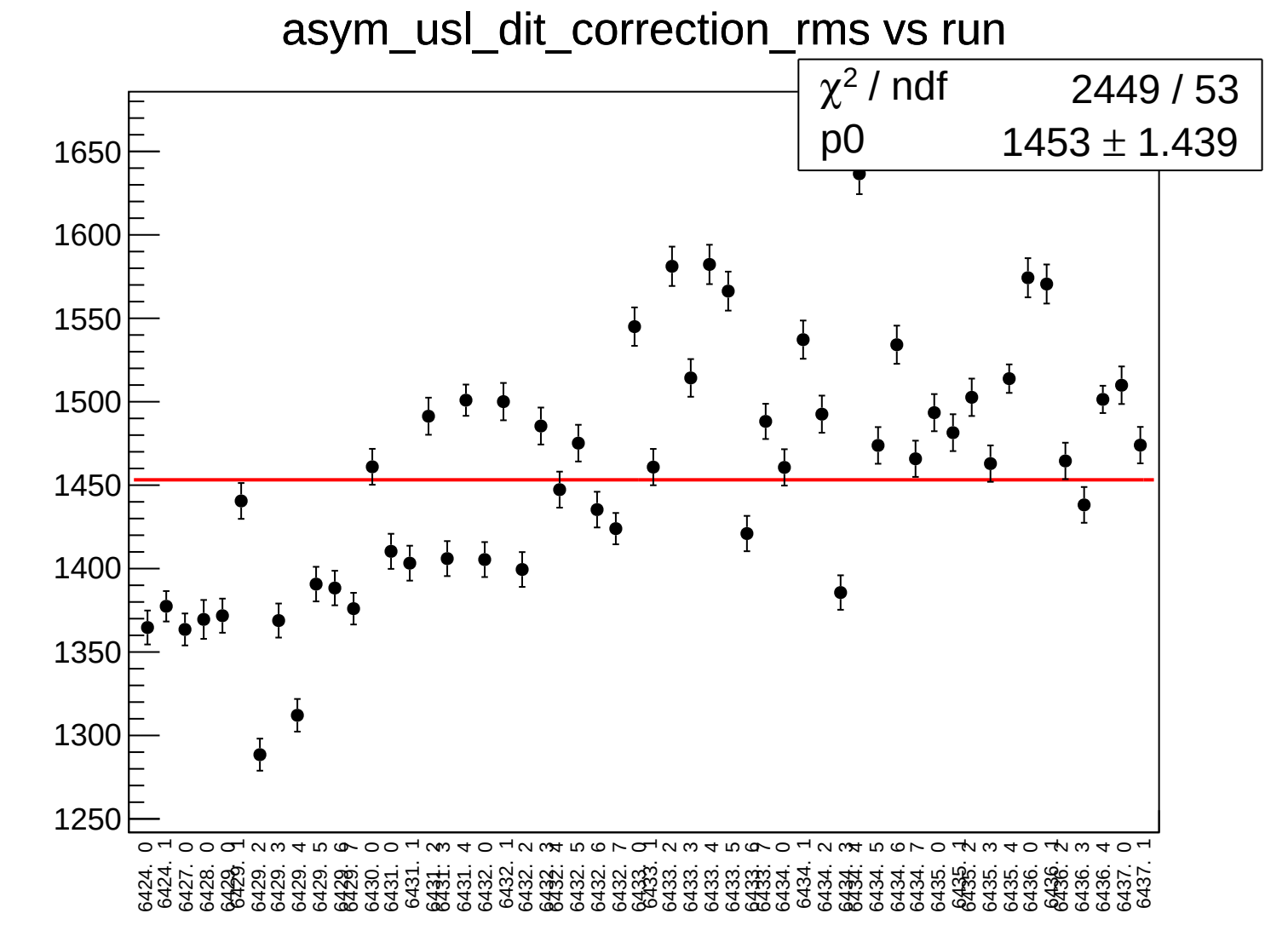

dit_asym_usl_mean vs run
χ² / ndf 55.31 / 53
p0 −3307 ± 1585
pull
Entries 54
Mean −316.9
Std Dev 0


pull1D
Entries 54
Mean −0.01156
Std Dev 1.012


dit_asym_usl_rms vs run
χ² / ndf 446.6 / 53
p0 1133 ± 1.121
1200
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_dit_correction_mean vs run
χ² / ndf 63.74 / 53
p0 −309.2 ± 2035
pull
Entries 54
Mean 221
Std Dev 0


pull1D
Entries 54
Mean 0.008451
Std Dev 1.086


asym_usl_dit_correction_rms vs run
χ² / ndf 2449 / 53
p0 1453 ± 1.439
1650
1600
1550
1500
1450
1400
1350
1300
1250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 0
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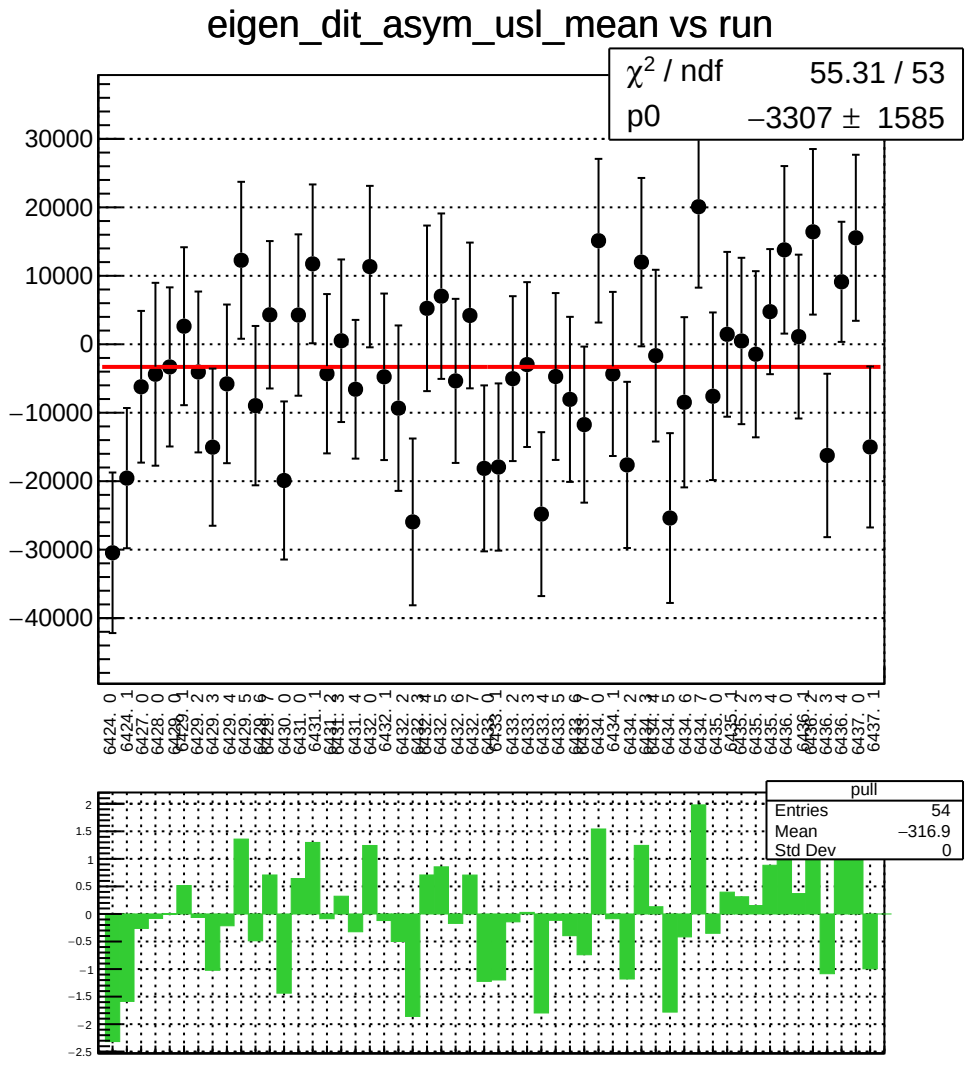
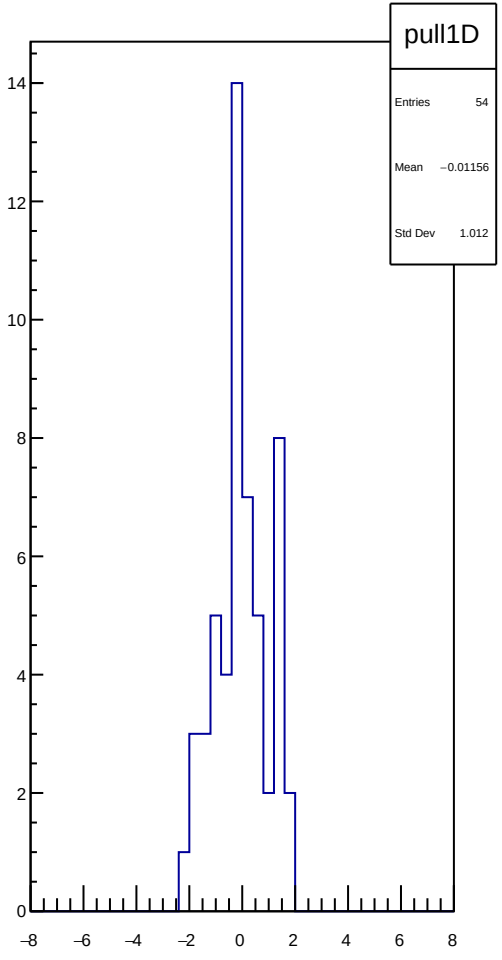
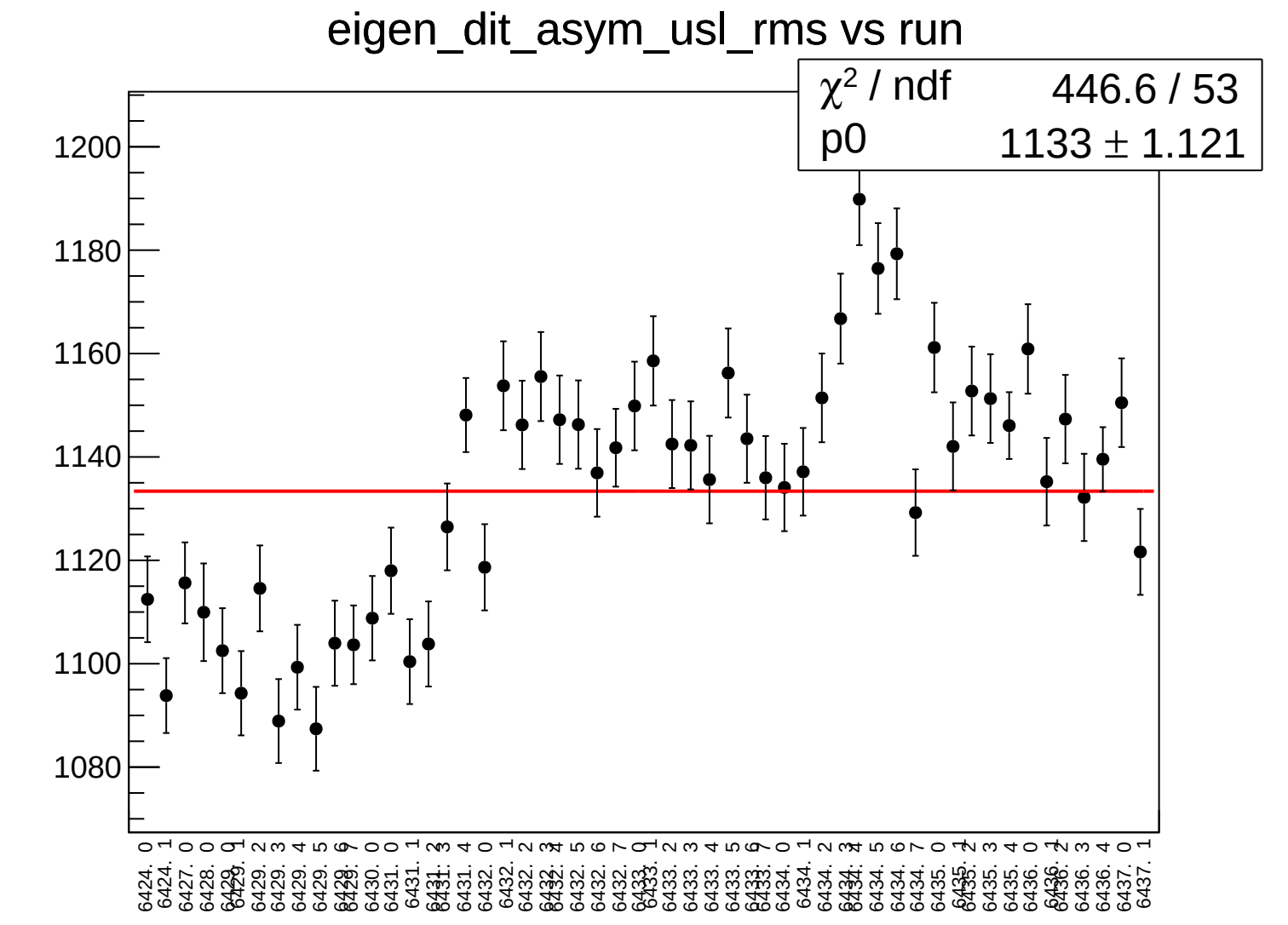
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_usl_mean vs run
χ² / ndf 55.31 / 53
p0 −3307 ± 1585
pull
Entries 54
Mean −316.9
Std Dev 0


pull1D
Entries 54
Mean −0.01156
Std Dev 1.012


eigen_dit_asym_usl_rms vs run
χ² / ndf 446.6 / 53
p0 1133 ± 1.121
1200
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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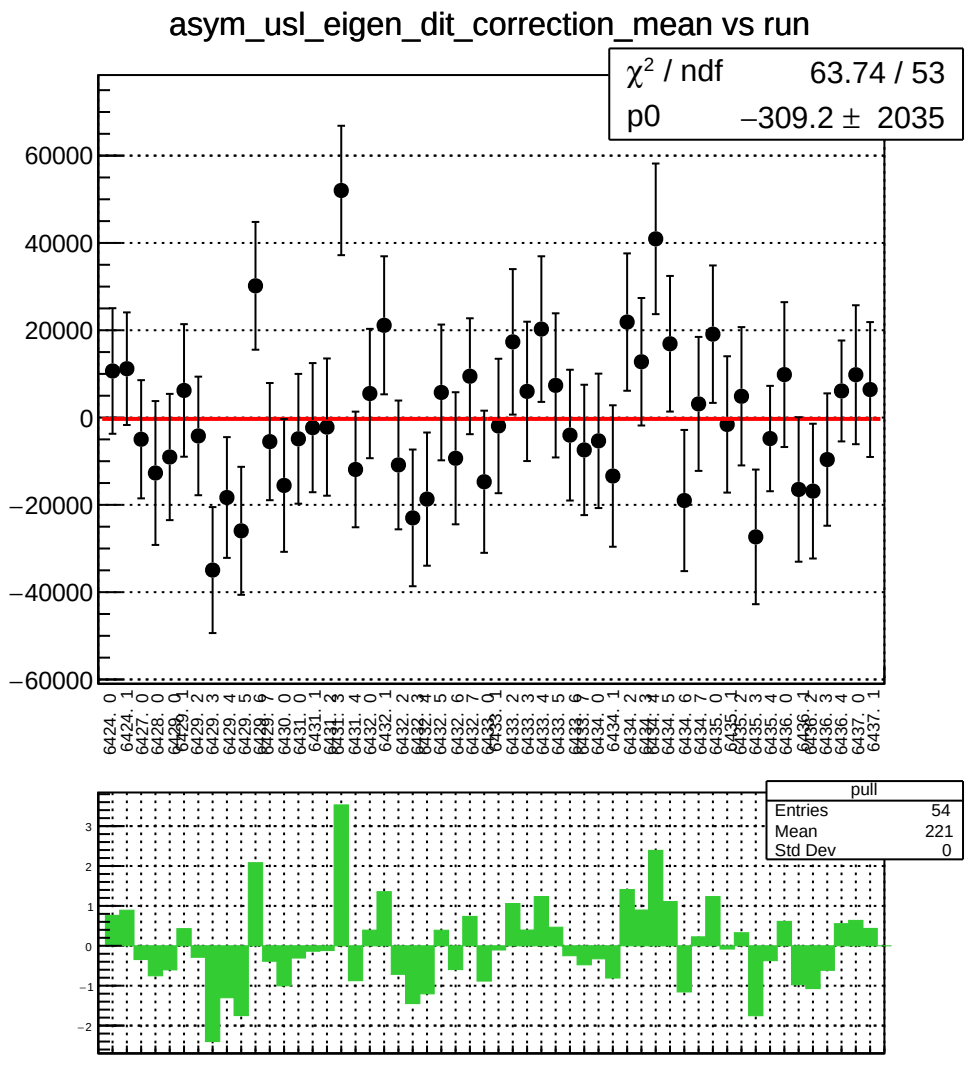
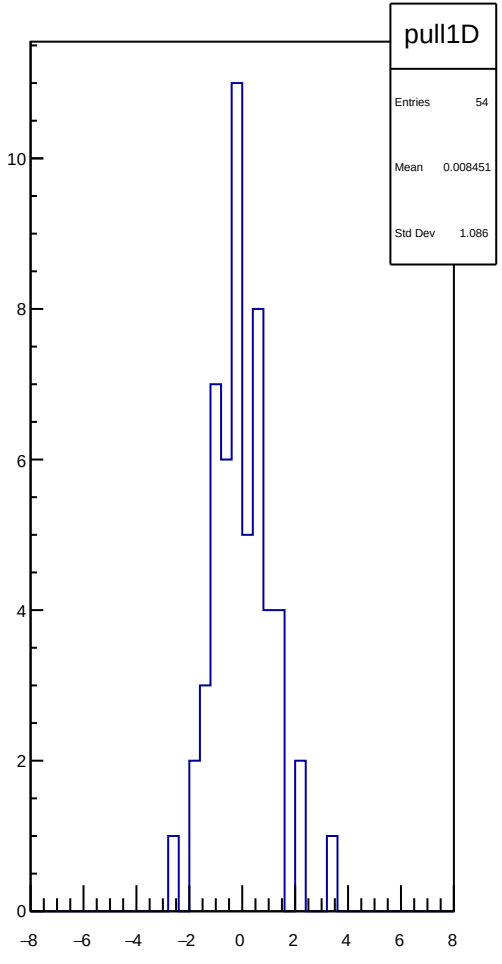
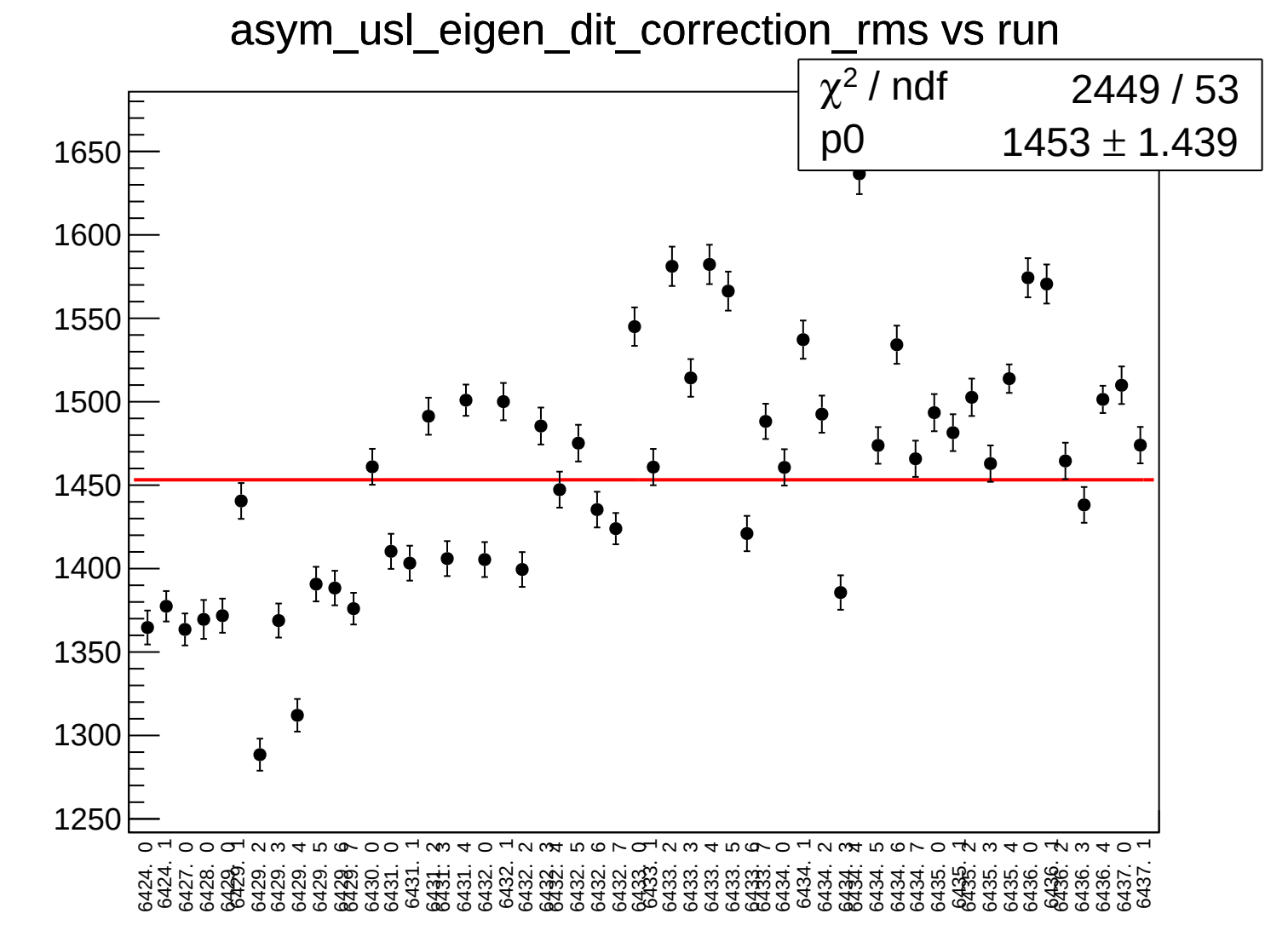
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 63.74 / 53
p0 −309.2 ± 2035
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 221
Std Dev 0


pull1D
Entries 54
Mean 0.008451
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2449 / 53
p0 1453 ± 1.439
1650
1600
1550
1500
1450
1400
1350
1300
1250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
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6431. 0
6431. 1
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6435. 3
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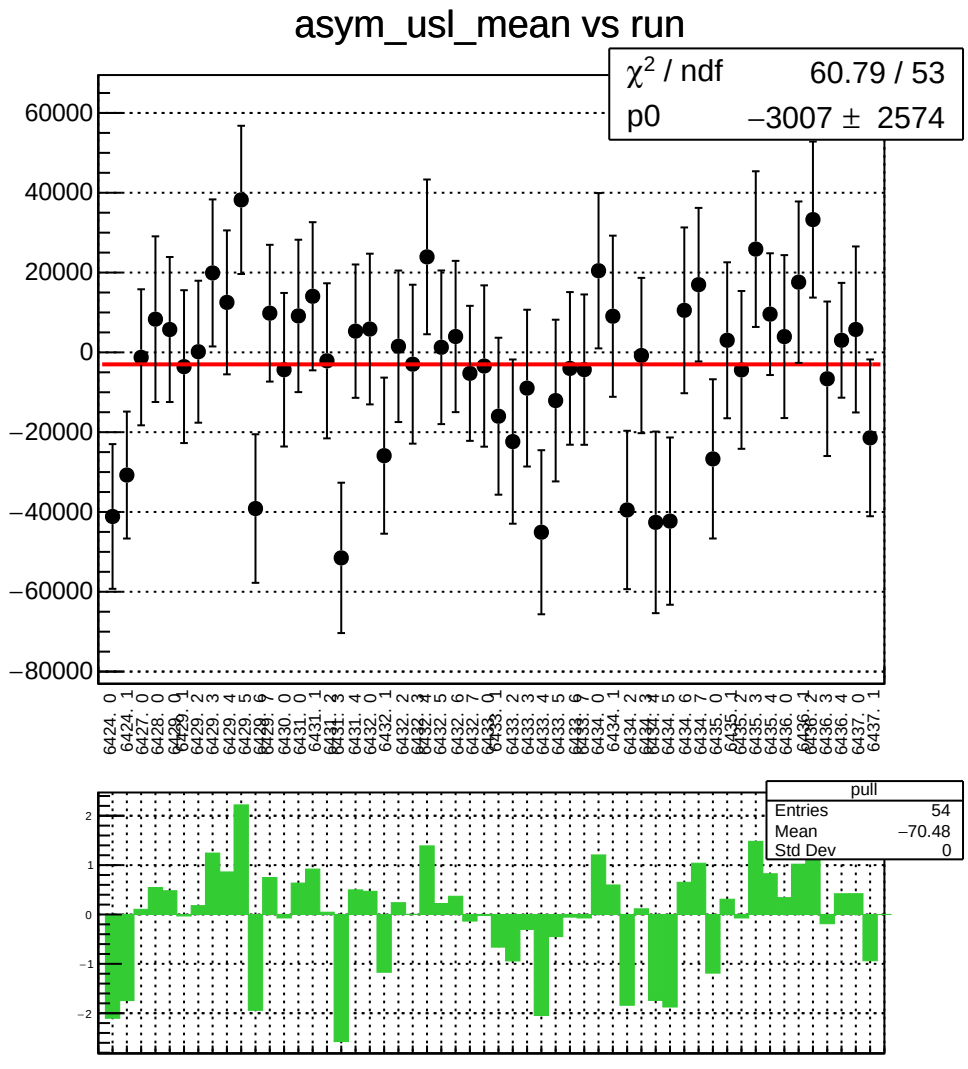
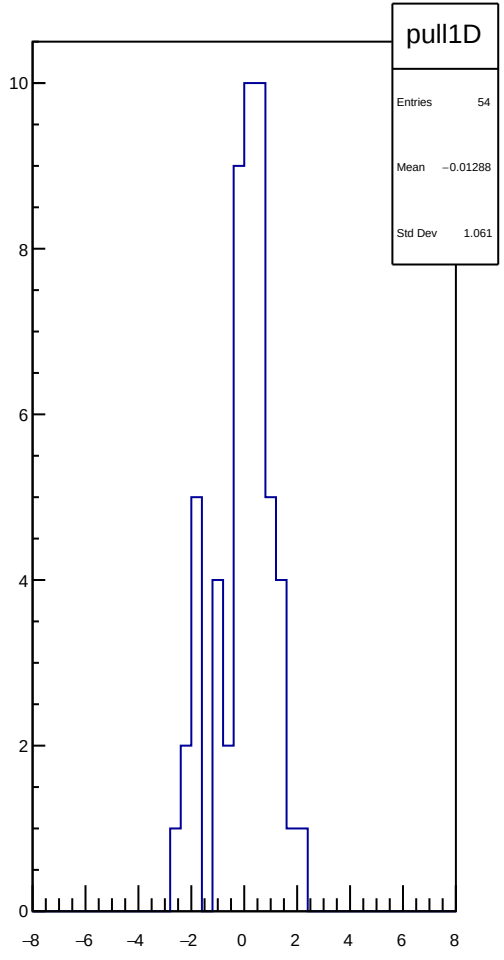
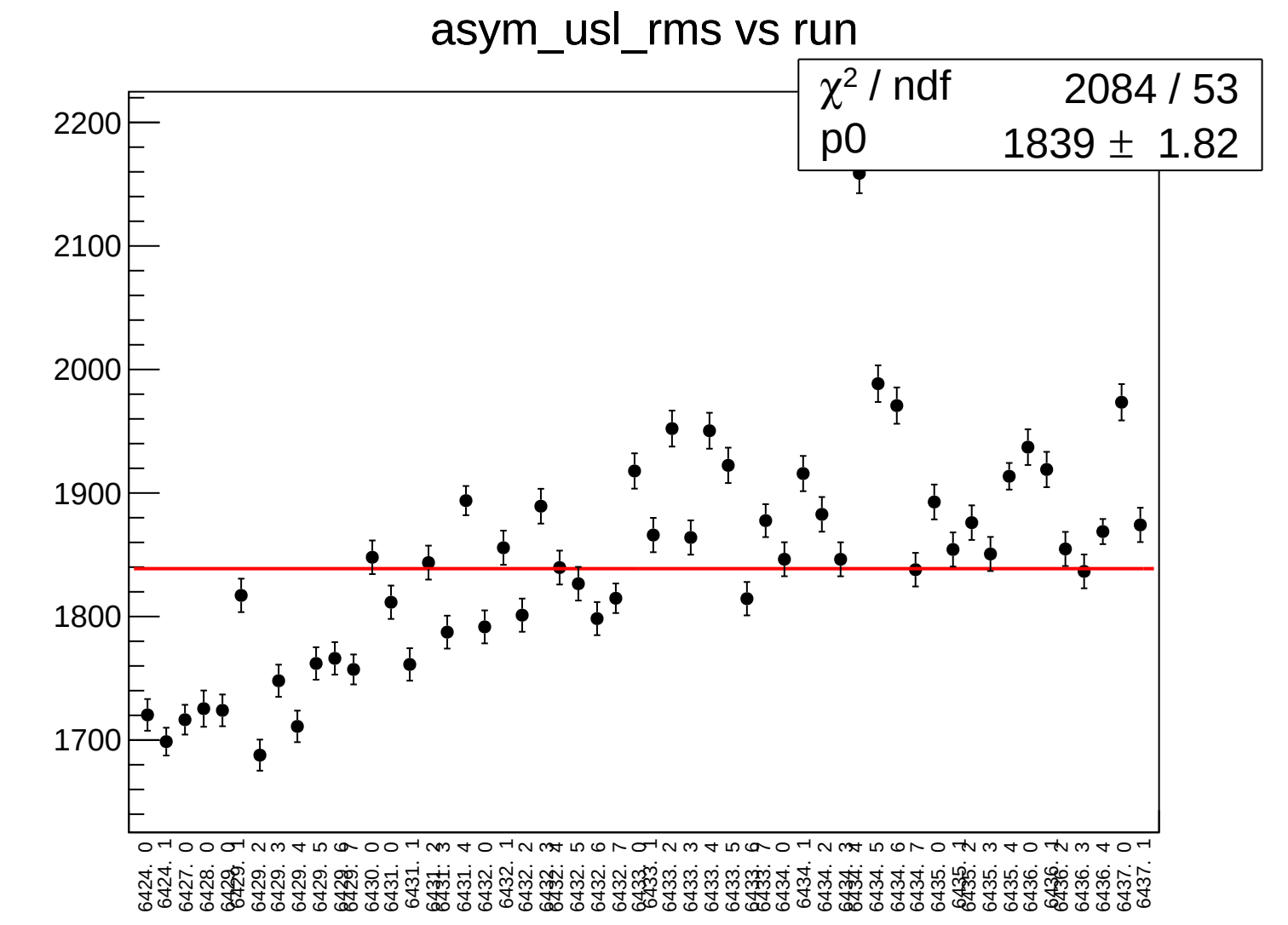
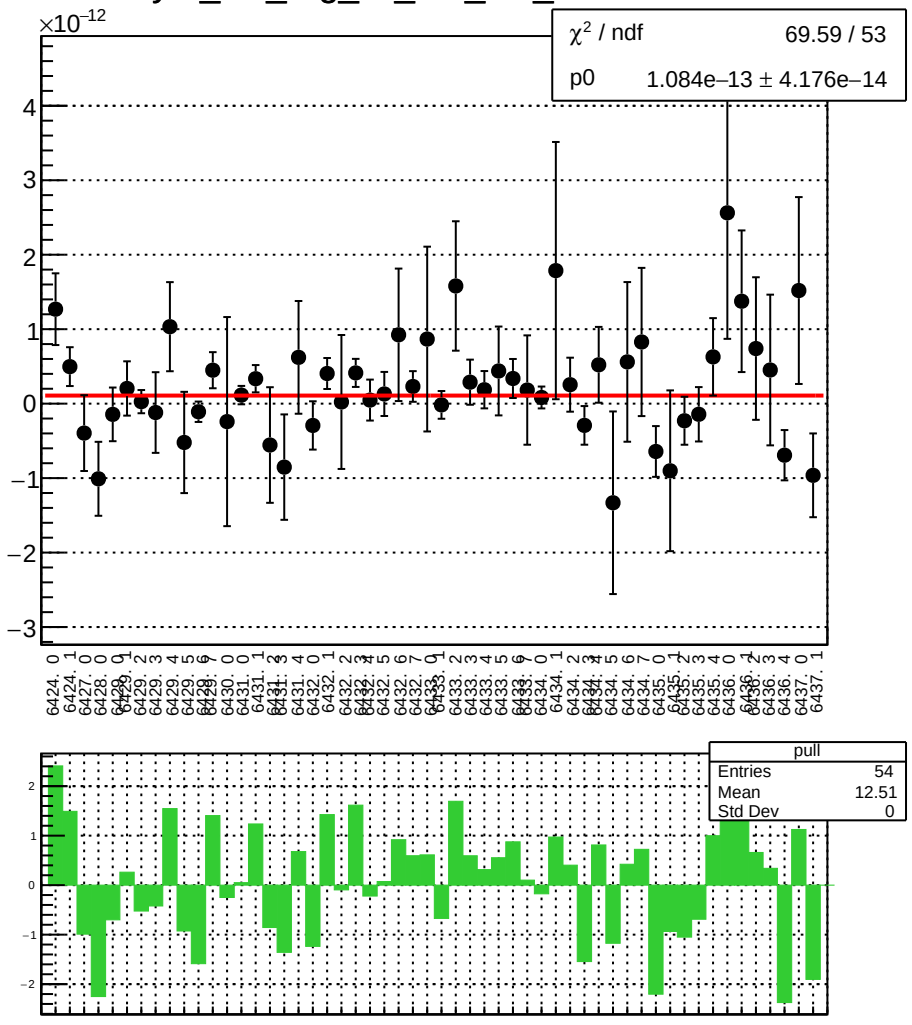
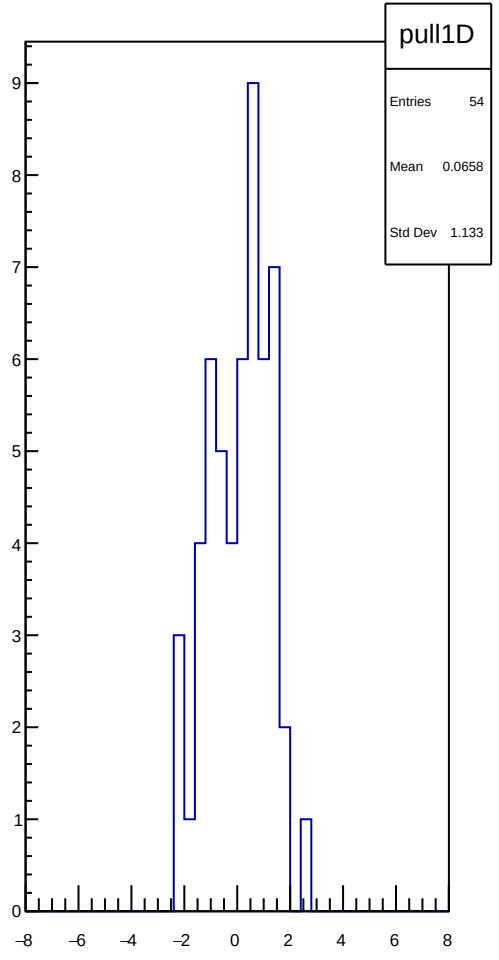
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

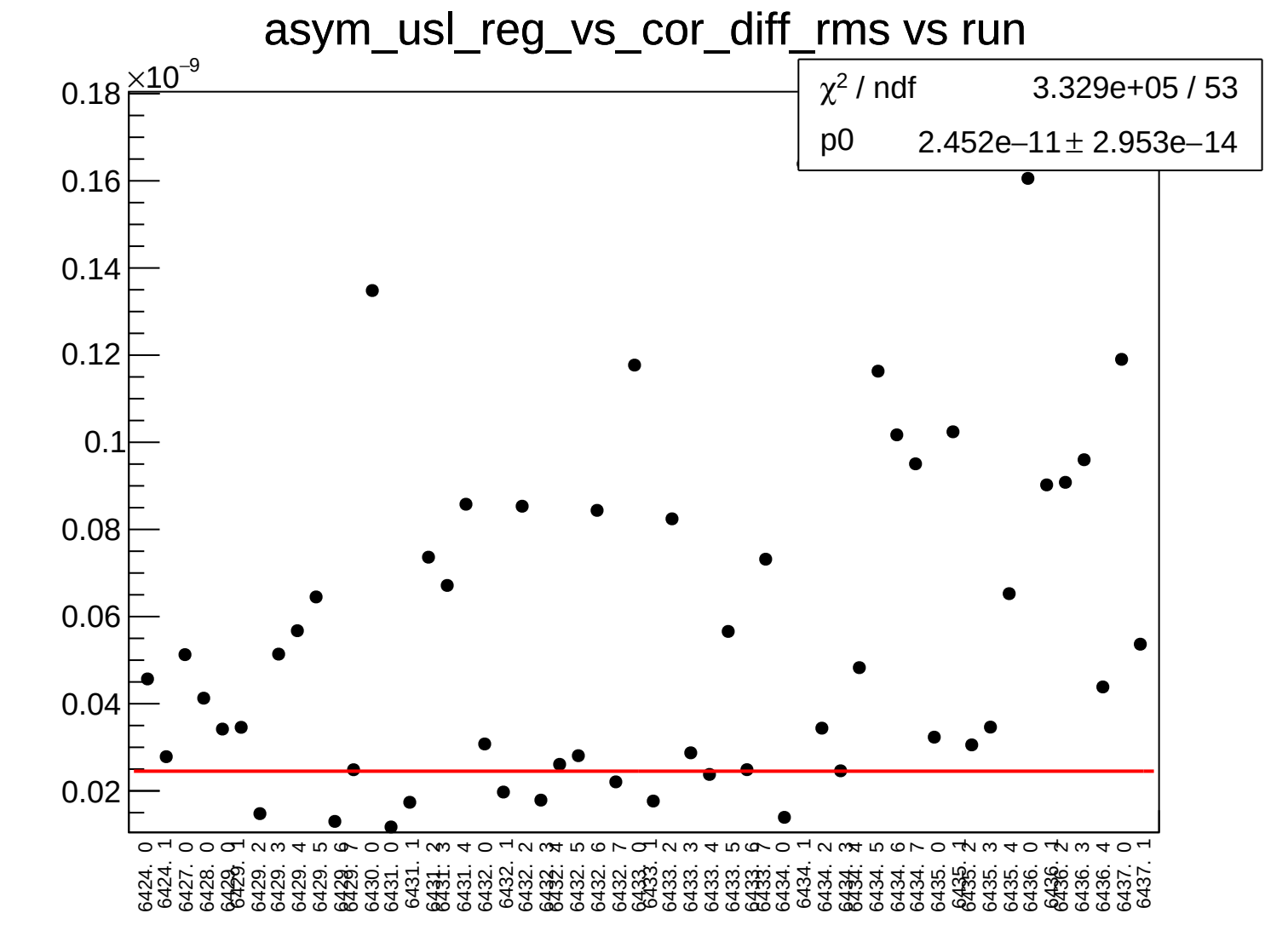

asym_usl_mean vs run
χ² / ndf 60.79 / 53
p0 −3007 ± 2574
pull
Entries 54
Mean −70.48
Std Dev 0

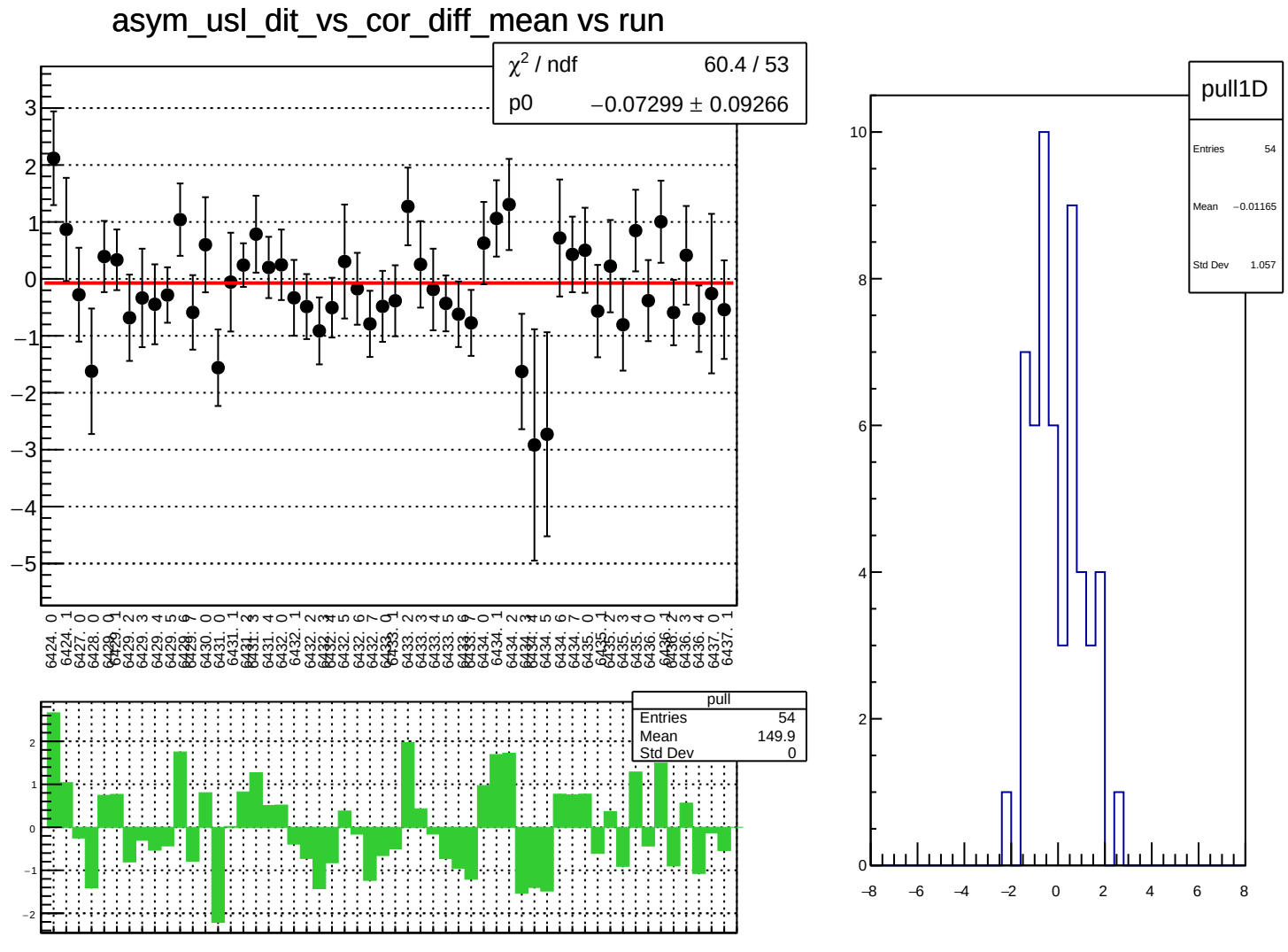

pull1D
Entries 54
Mean −0.01288
Std Dev 1.061

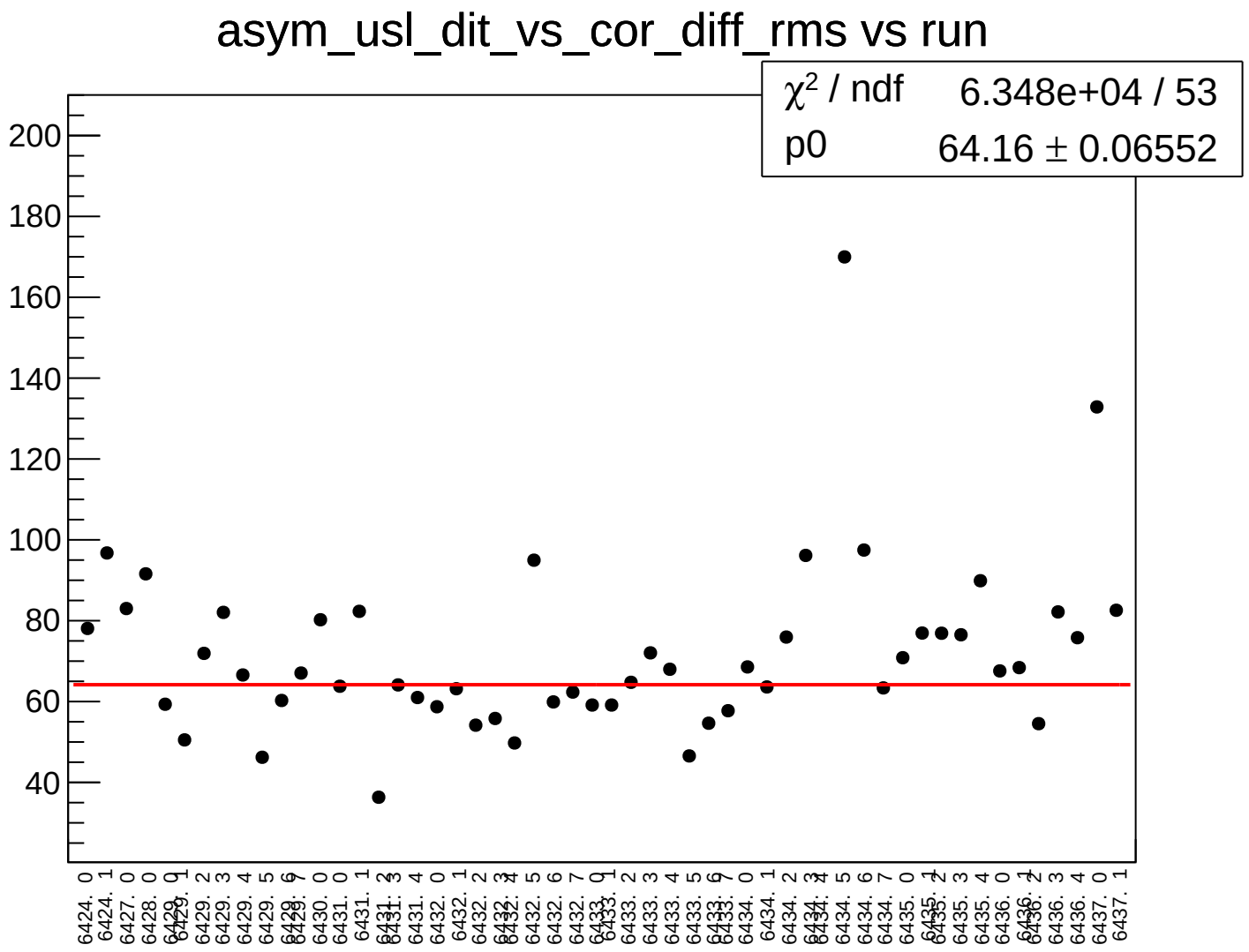

asym_usl_rms vs run
χ² / ndf 2084 / 53
p0 1839 ± 1.82
2200
2100
2000
1900
1800
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

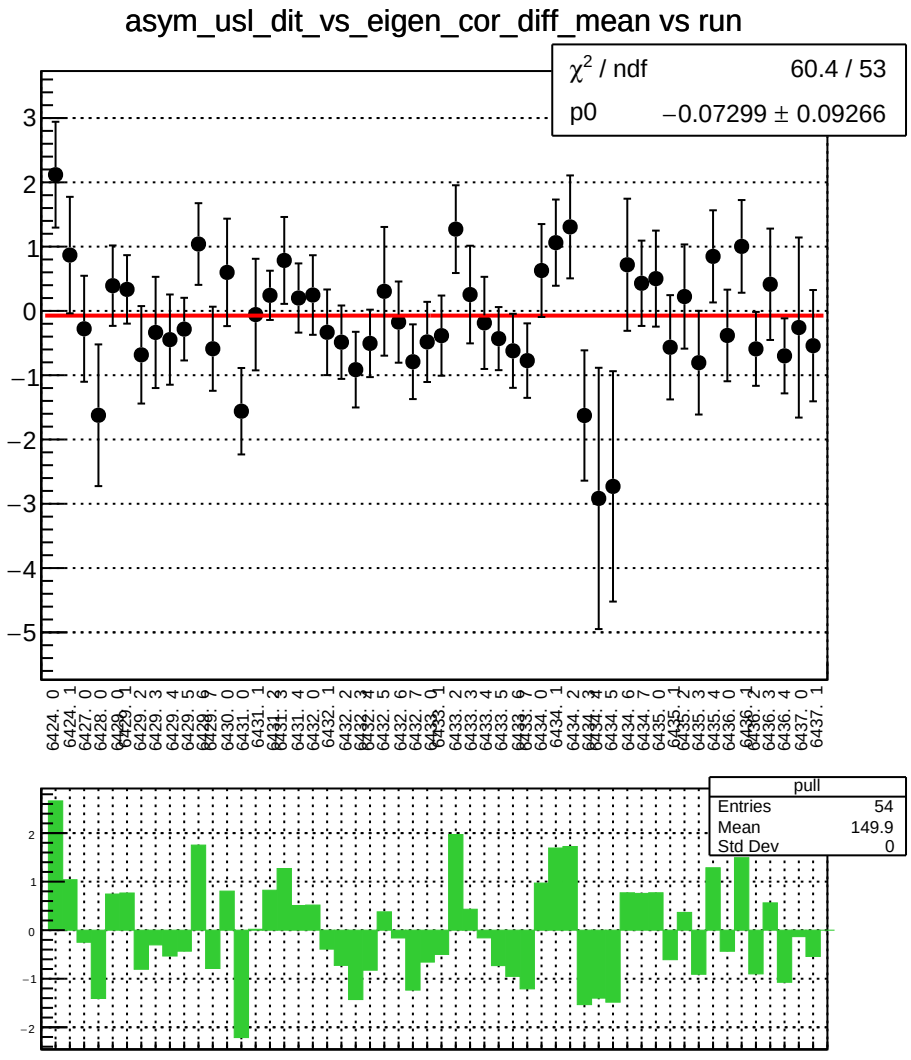

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.59 / 53
p0 1.084e−13 ± 4.176e−14
pull
Entries 54
Mean 12.51
Std Dev 0

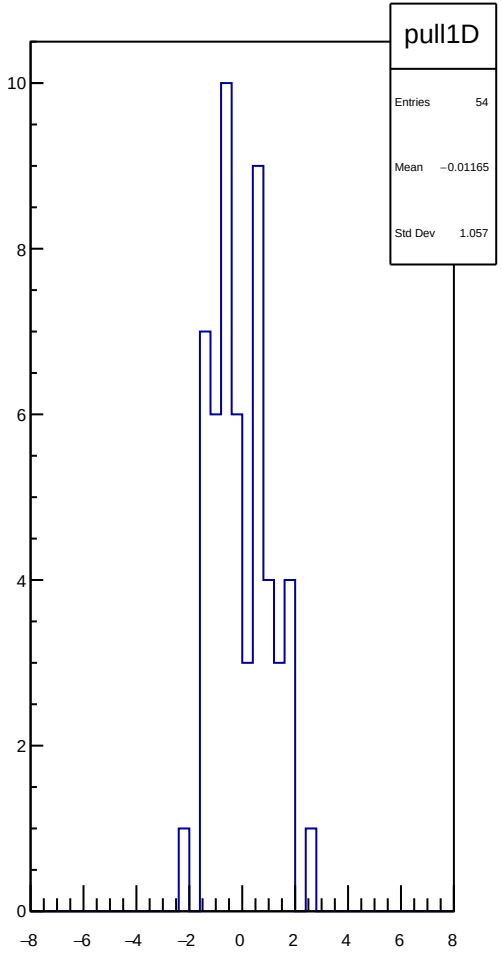

pull1D
Entries 54
Mean 0.0658
Std Dev 1.133

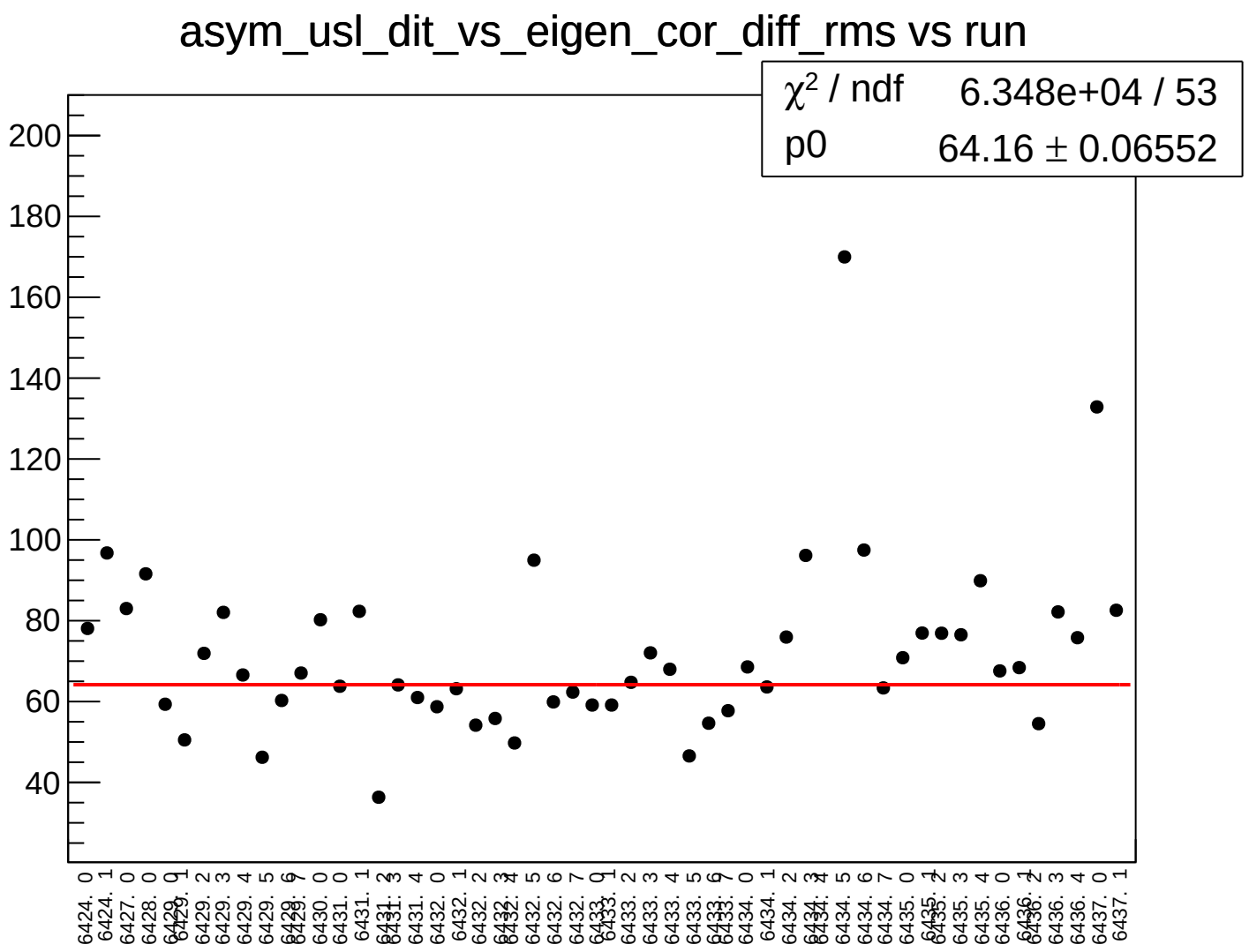

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.329e+05 / 53
p0 2.452e−11 ± 2.953e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

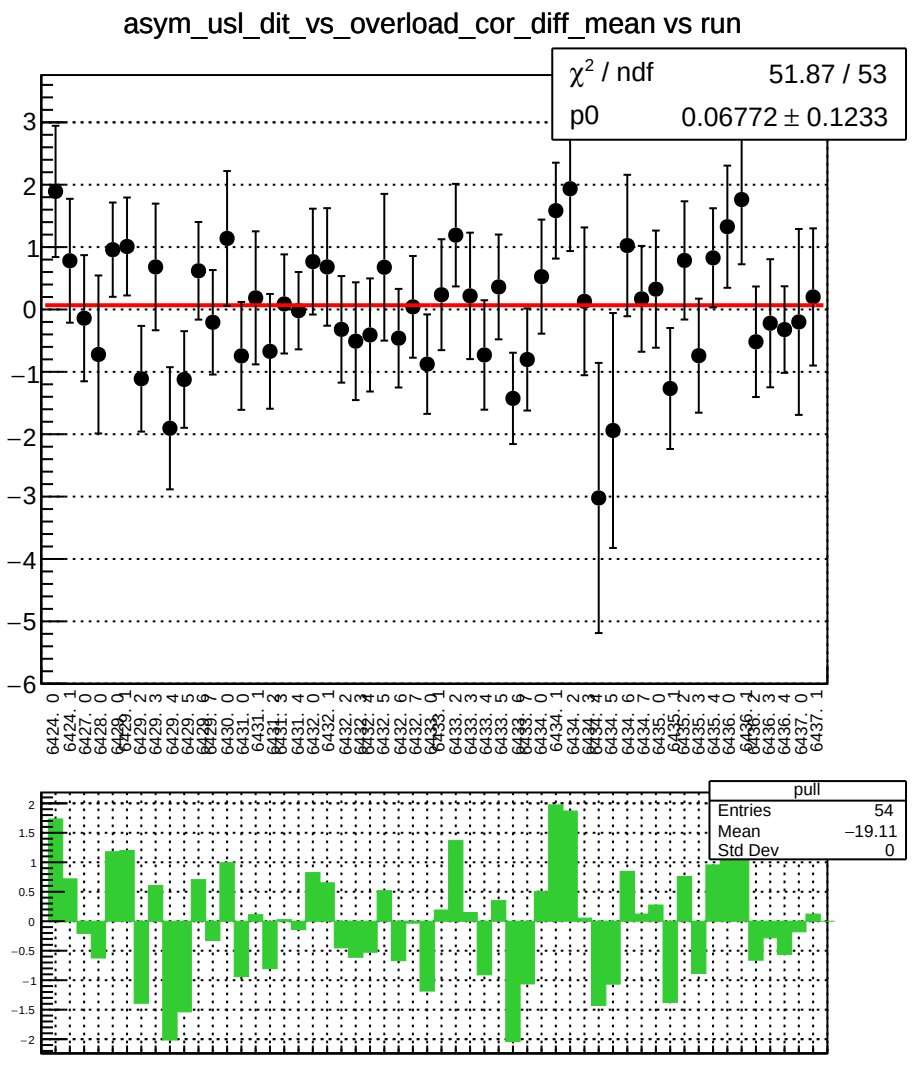

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 60.4 / 53
p0 −0.07299 ± 0.09266
pull
Entries 54
Mean 149.9
Std Dev 0
pull1D
Entries 54
Mean −0.01165
Std Dev 1.057

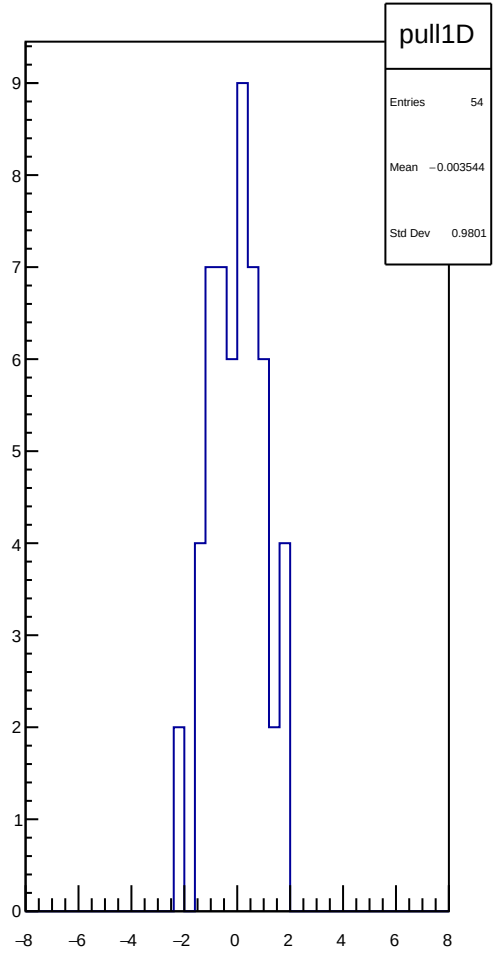

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 6.348e+04 / 53
p0 64.16 ± 0.06552
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

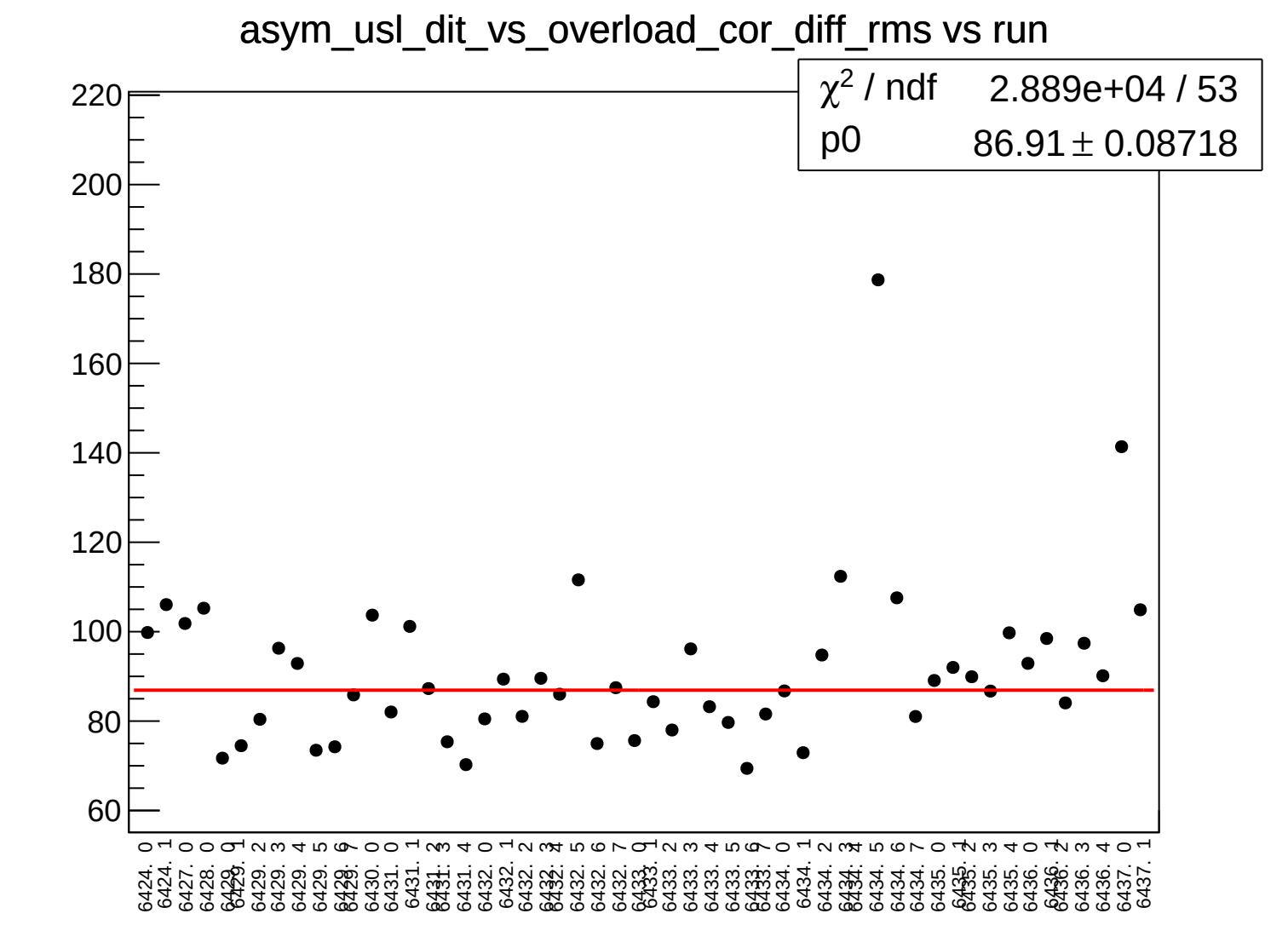

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.4 / 53
p0 −0.07299 ± 0.09266
pull
Entries 54
Mean 149.9
Std Dev 0

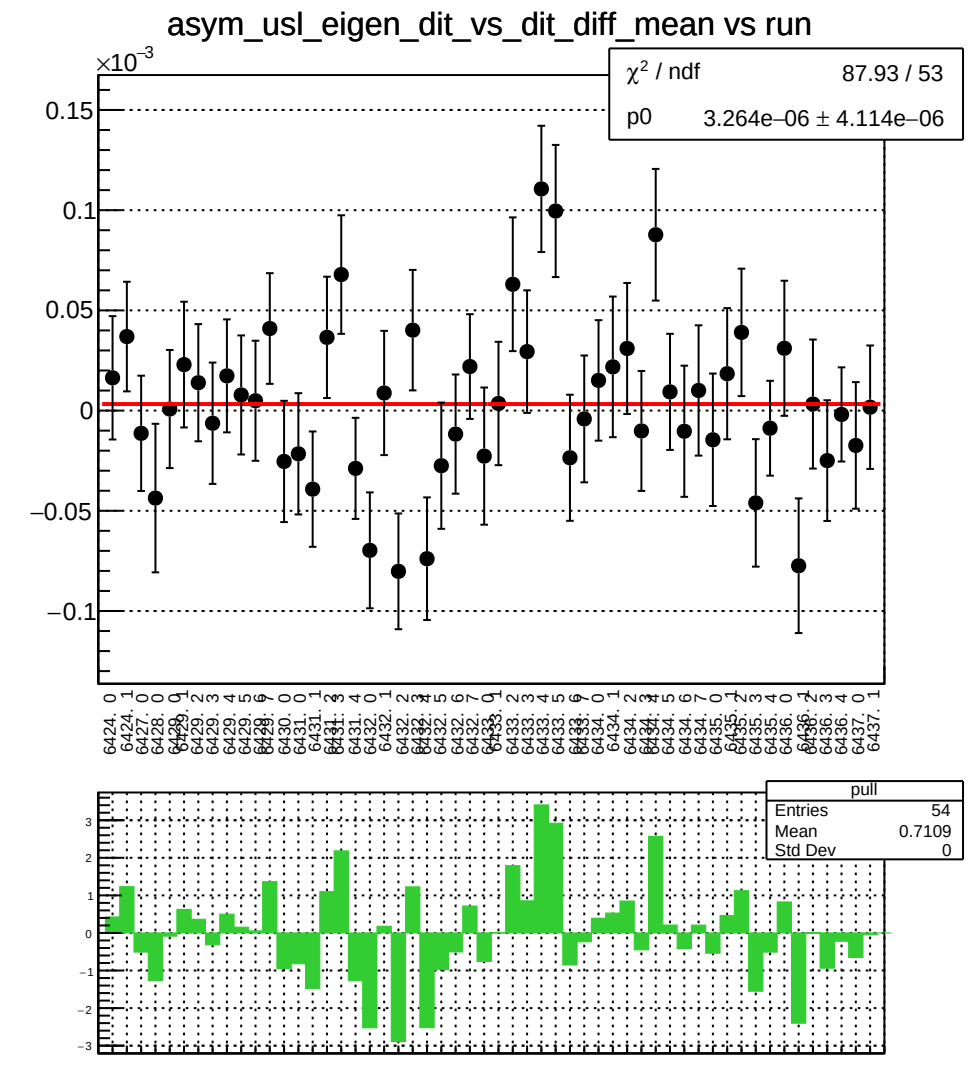

pull1D
Entries 54
Mean −0.01165
Std Dev 1.057

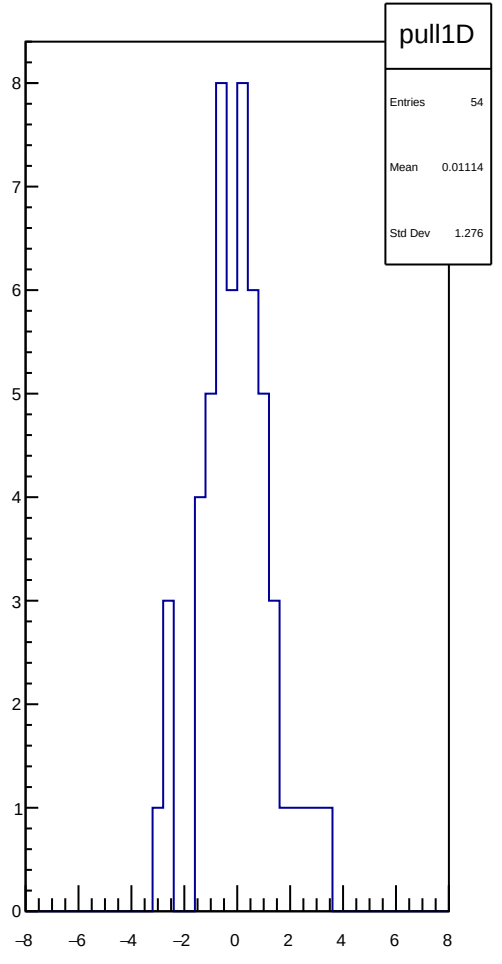

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.348e+04 / 53
p0 64.16 ± 0.06552
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

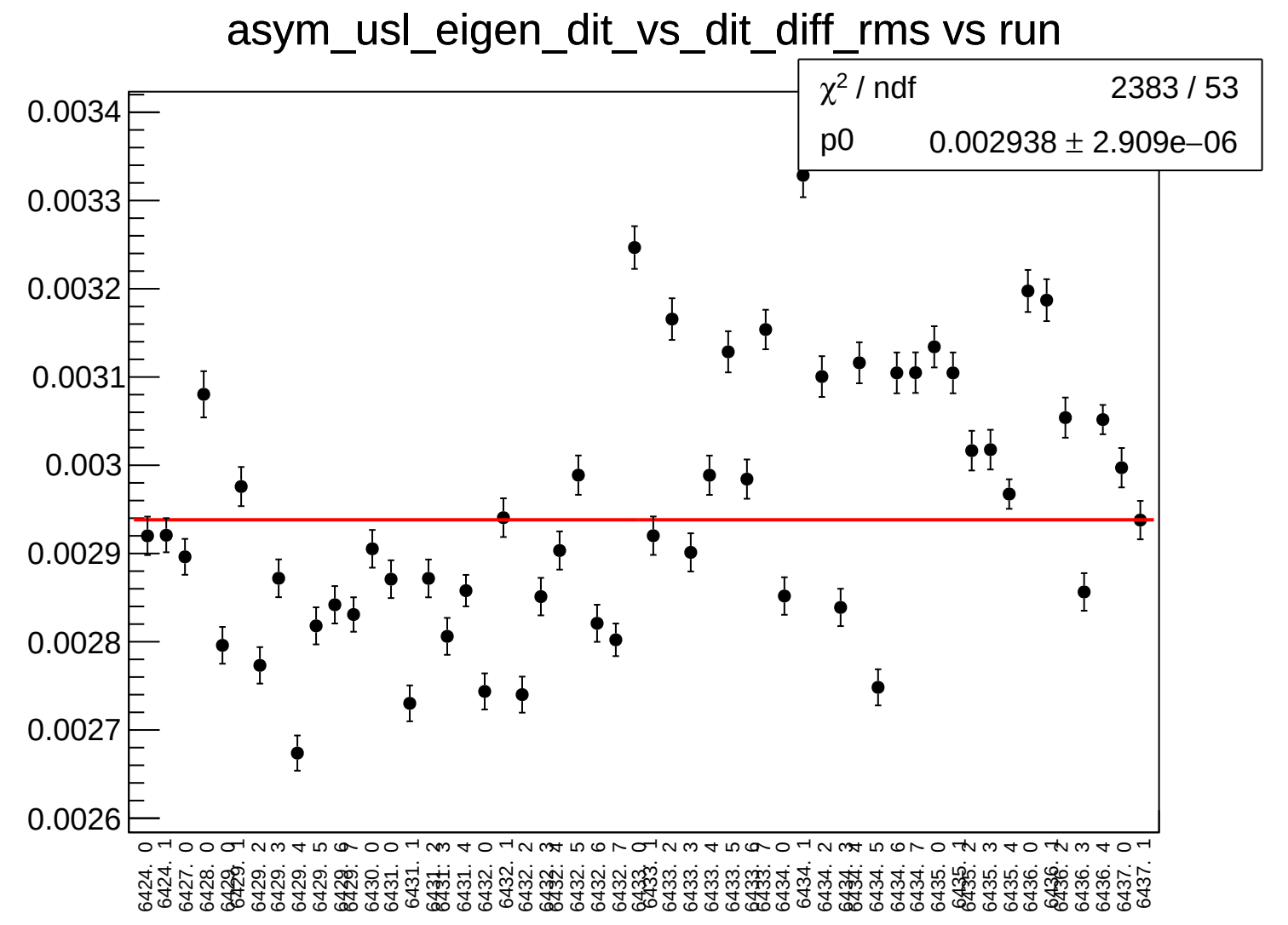

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.87 / 53
p0 0.06772 ± 0.1233
pull
Entries 54
Mean −19.11
Std Dev 0

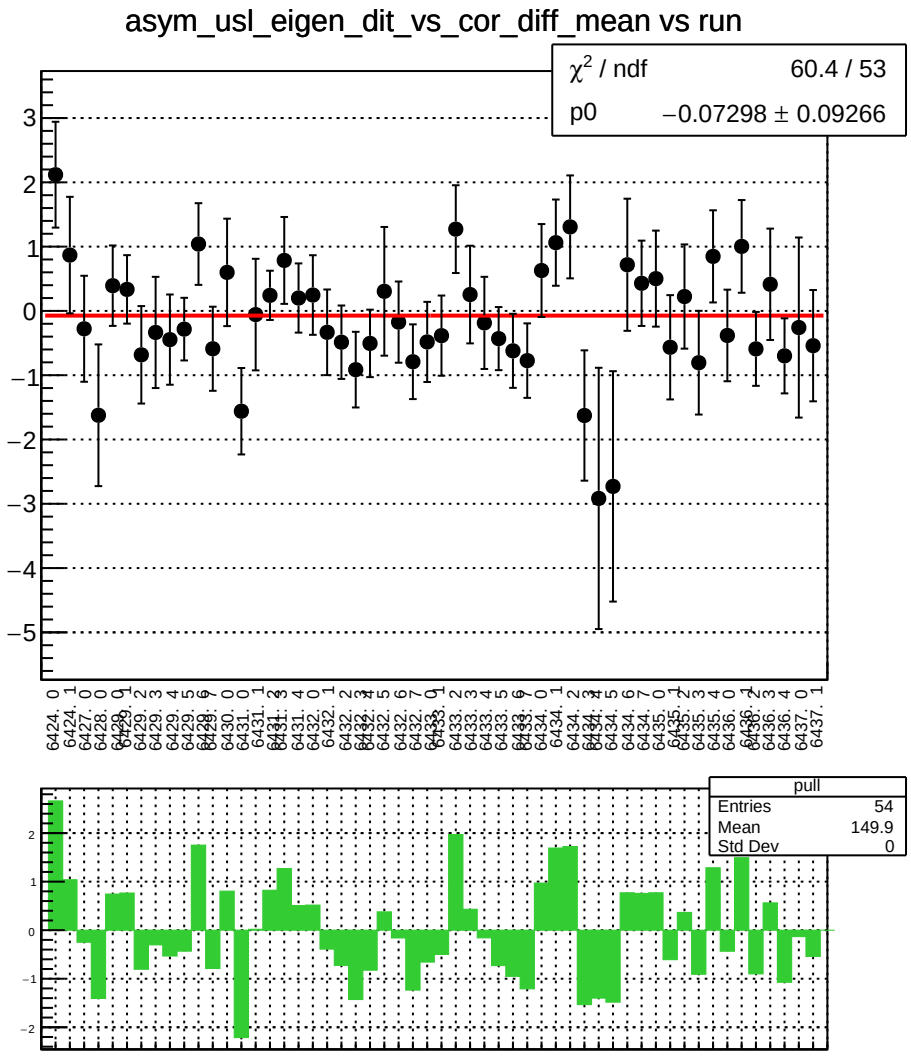

pull1D
Entries 54
Mean −0.003544
Std Dev 0.9801

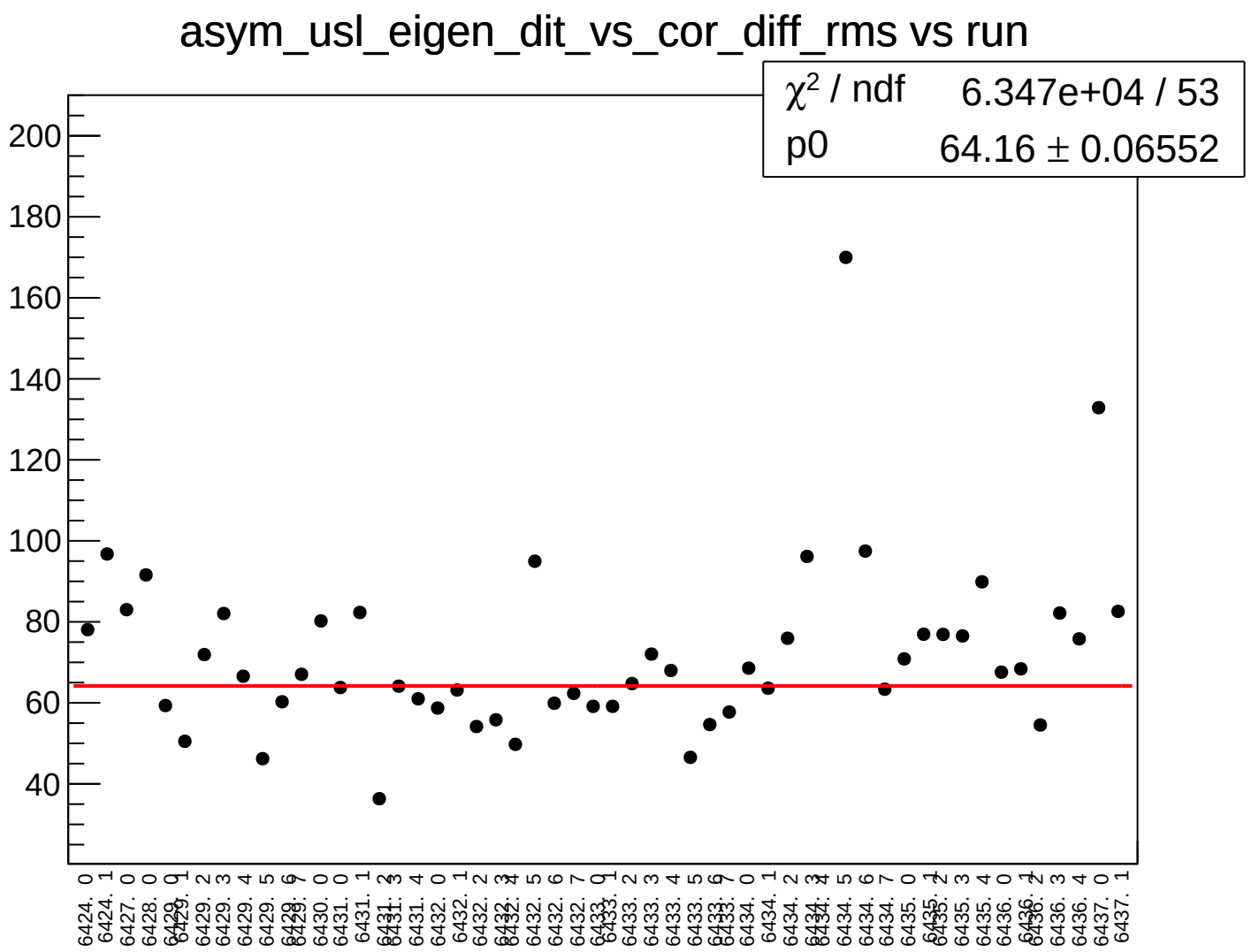

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 2.889e+04 / 53
p0 86.91 ± 0.08718
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

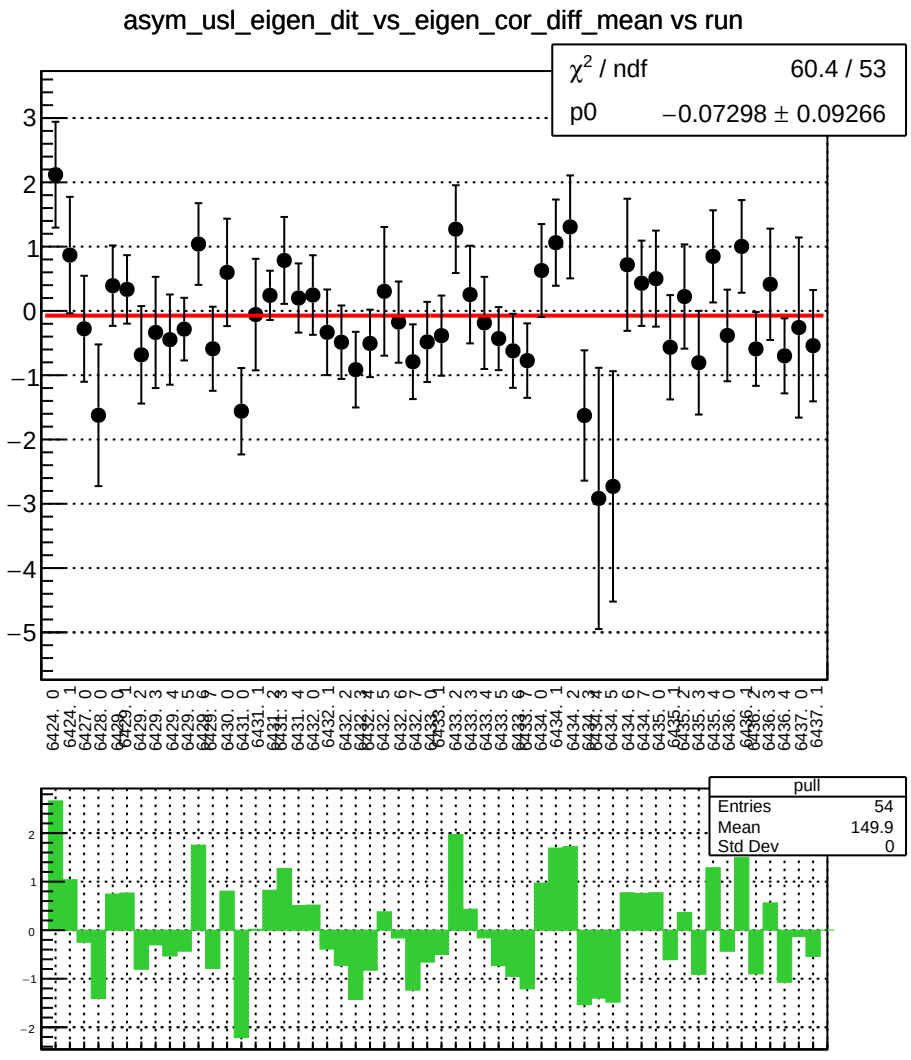

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.93 / 53
p0 3.264e−06 ± 4.114e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 0.7109
Std Dev 0
3
2
1
0
−1
−2
−3

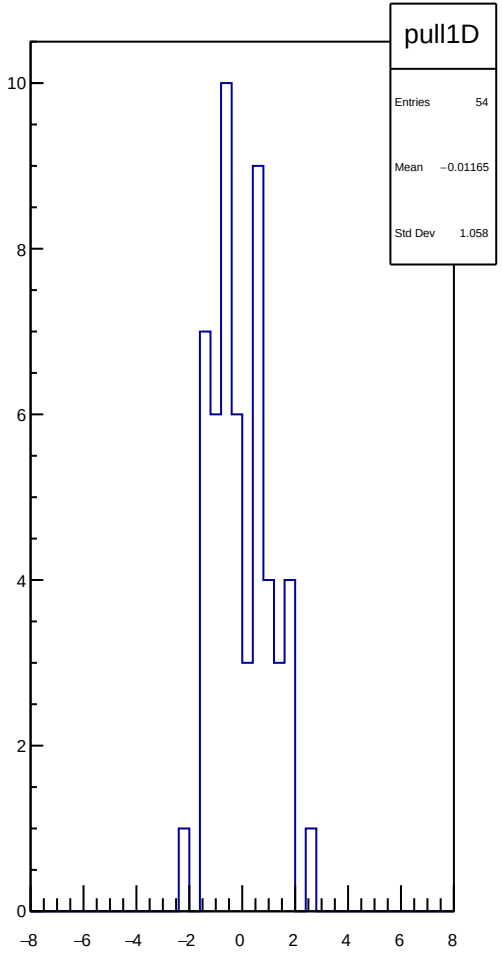

pull1D
Entries 54
Mean 0.01114
Std Dev 1.276
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

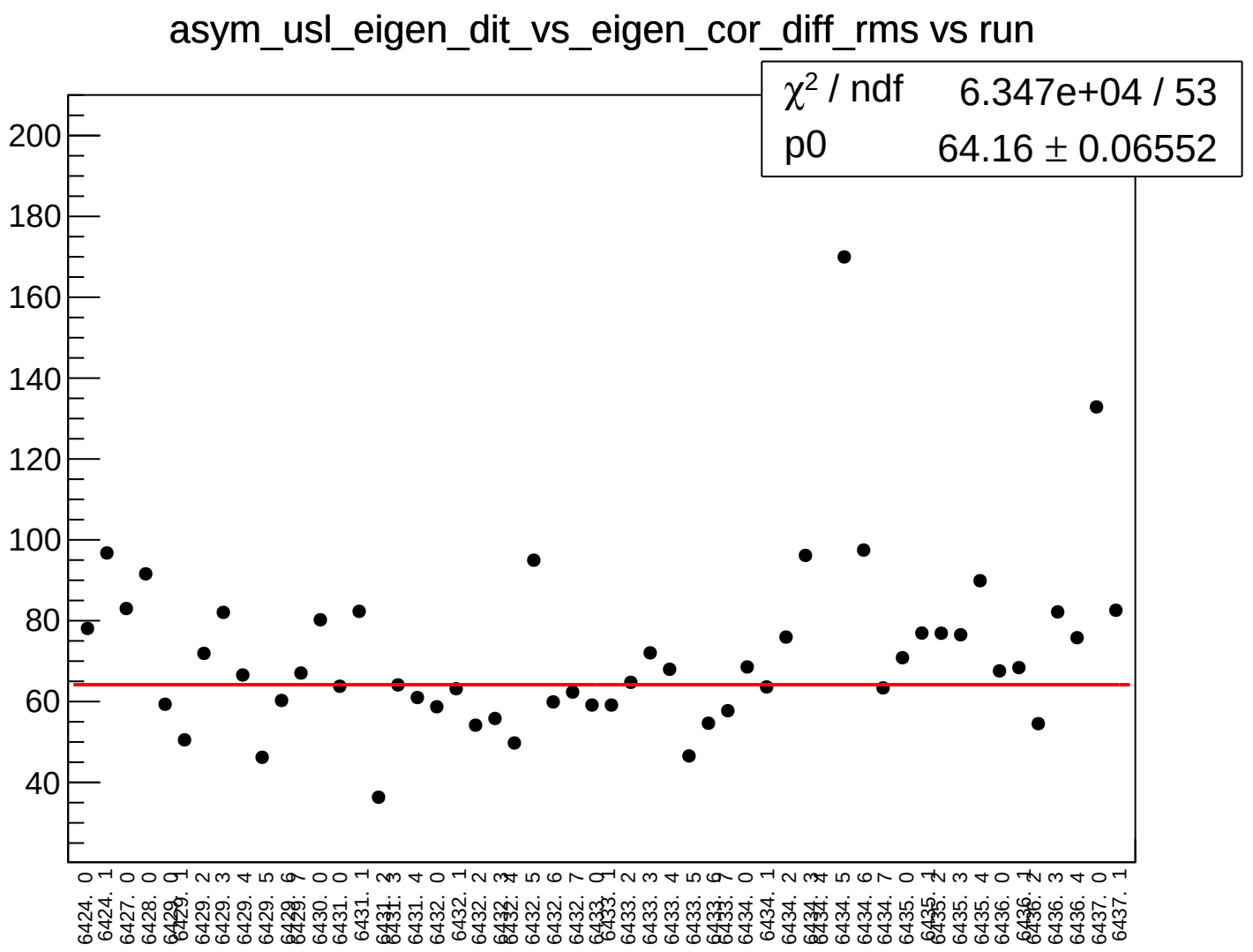

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2383 / 53
p0 0.002938 ± 2.909e−06
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

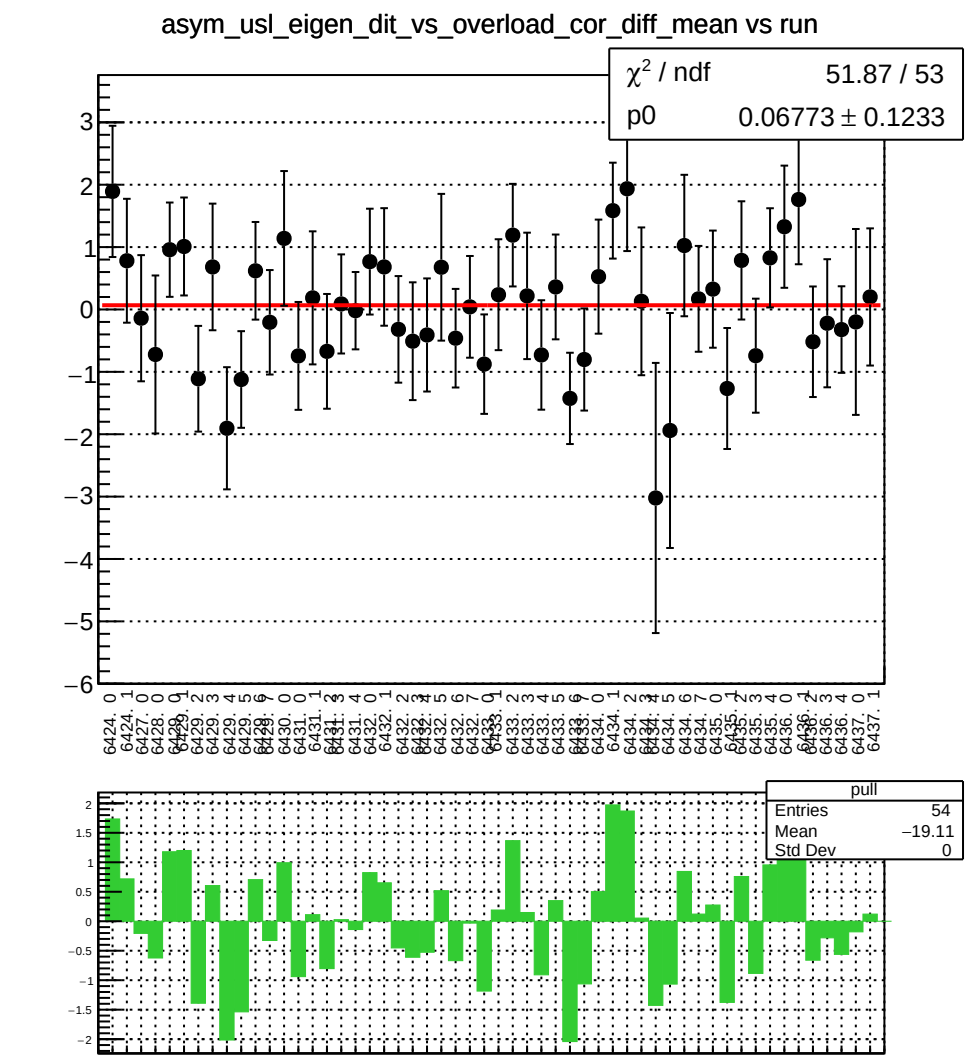

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.4 / 53
p0 −0.07298 ± 0.09266
pull
Entries 54
Mean 149.9
Std Dev 0
pull1D
Entries 54
Mean −0.01165
Std Dev 1.058

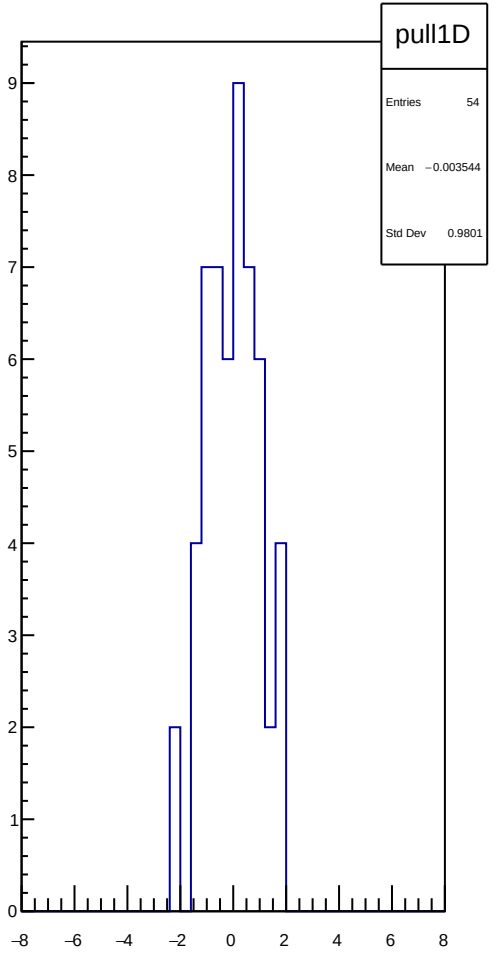

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.347e+04 / 53
p0 64.16 ± 0.06552
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

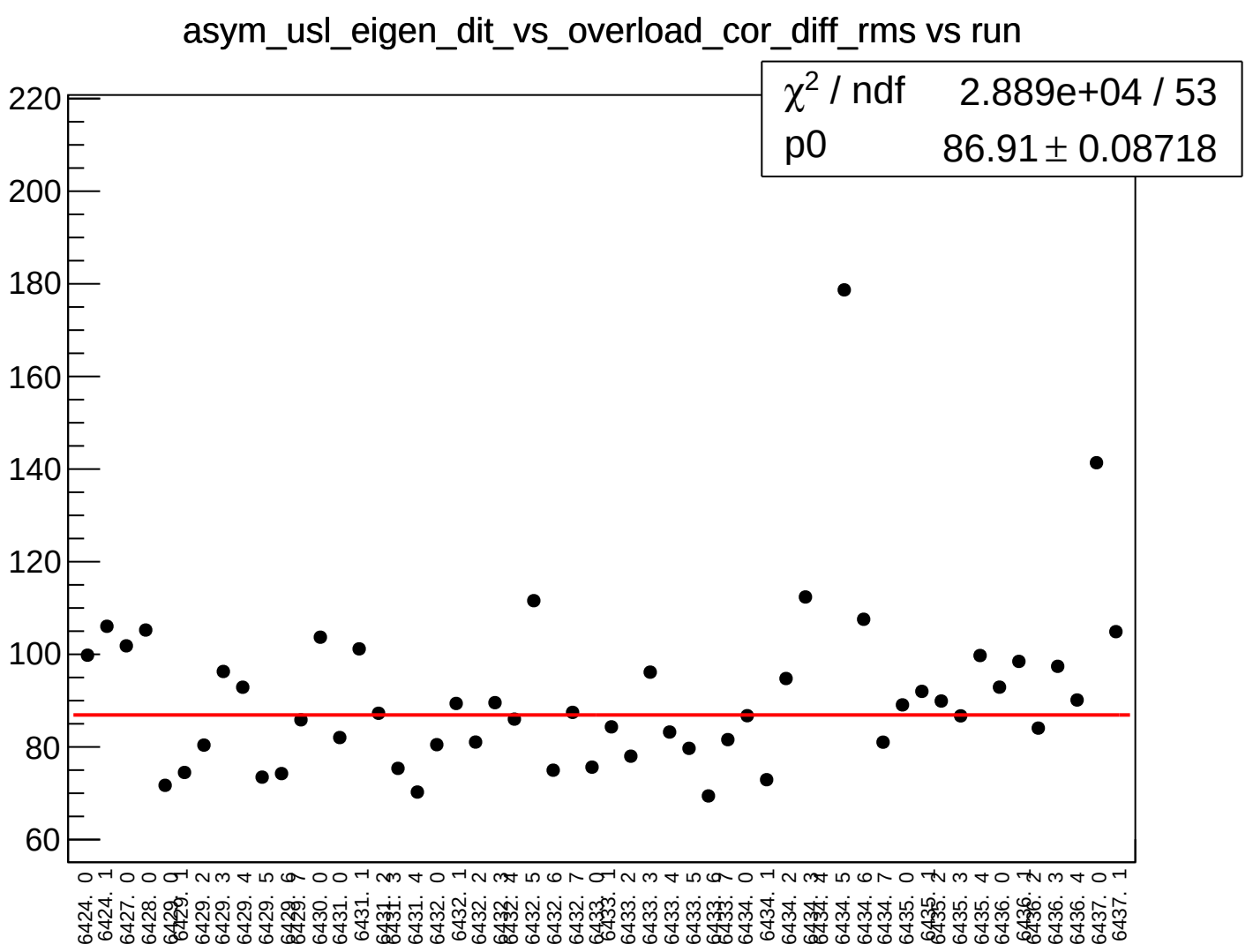

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.4 / 53
p0 −0.07298 ± 0.09266
pull
Entries 54
Mean 149.9
Std Dev 0

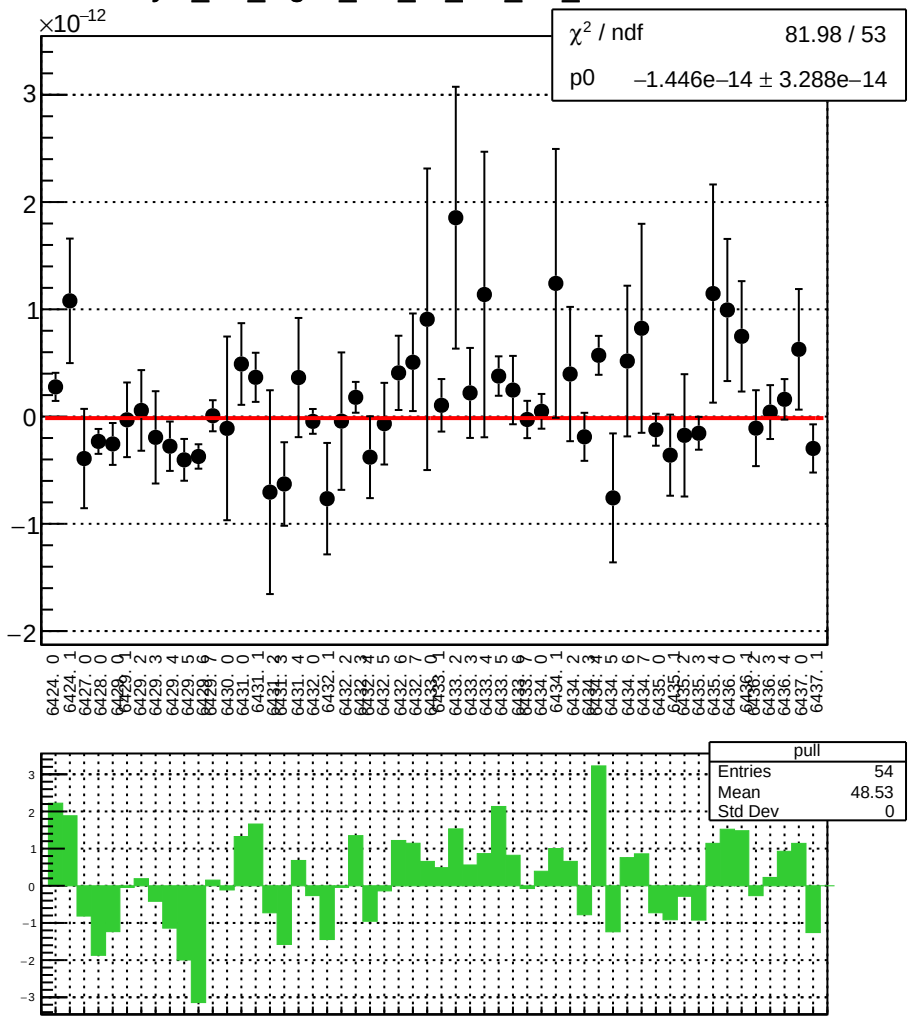

pull1D
Entries 54
Mean −0.01165
Std Dev 1.058

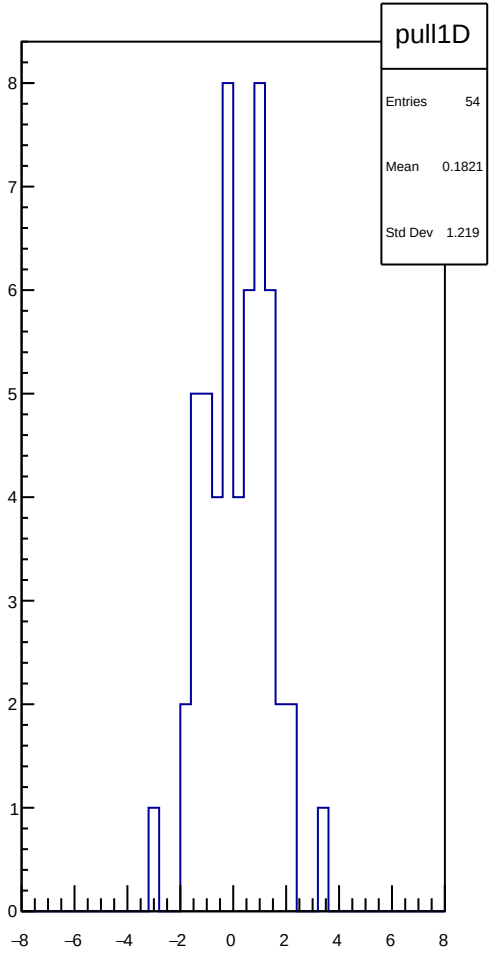

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.347e+04 / 53
p0 64.16 ± 0.06552
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

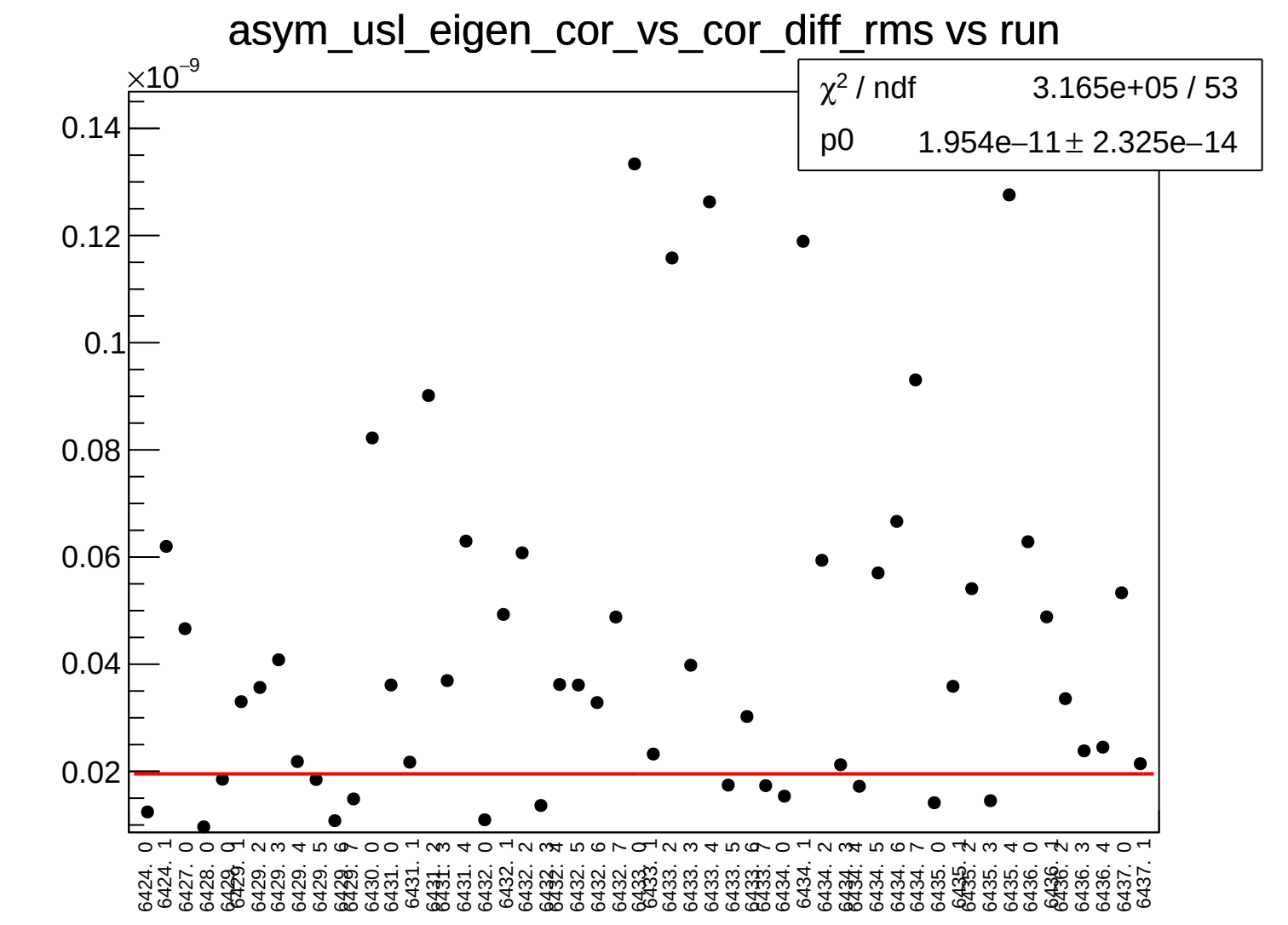

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 51.87 / 53
p0 0.06773 ± 0.1233
pull
Entries 54
Mean −19.11
Std Dev 0

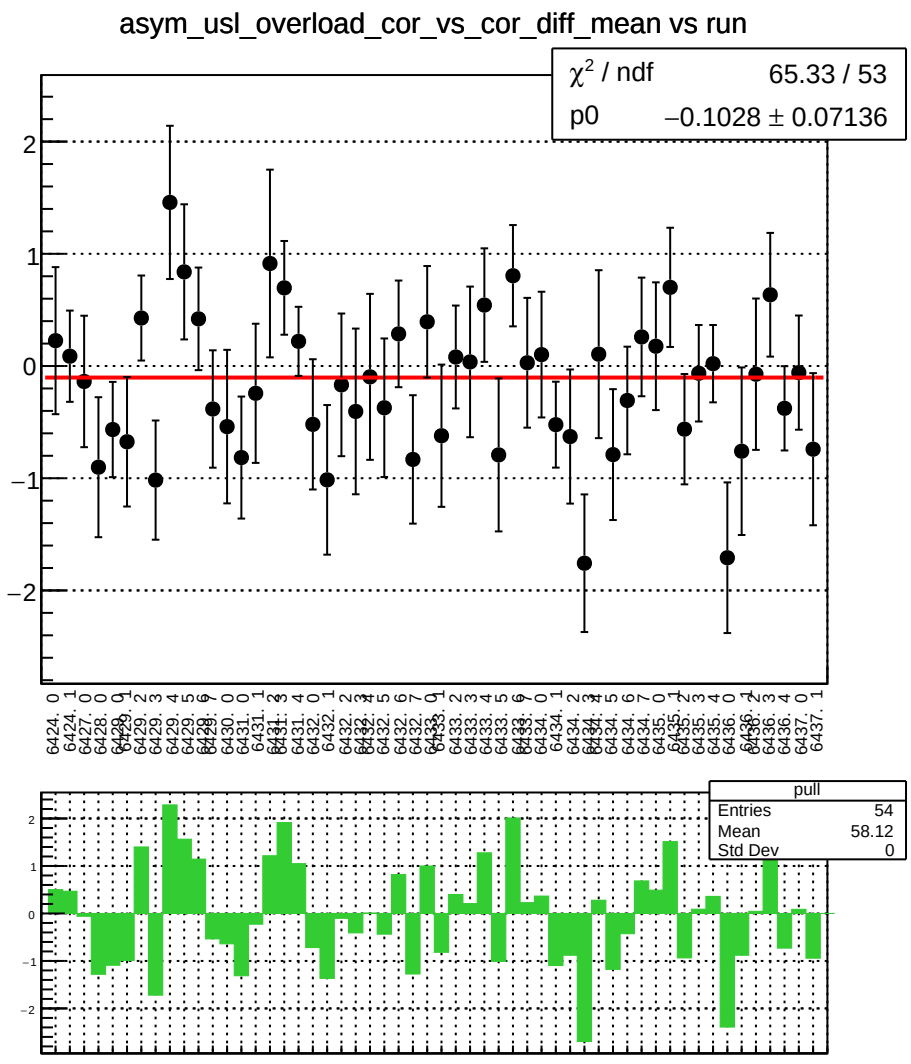

pull1D
Entries 54
Mean −0.003544
Std Dev 0.9801

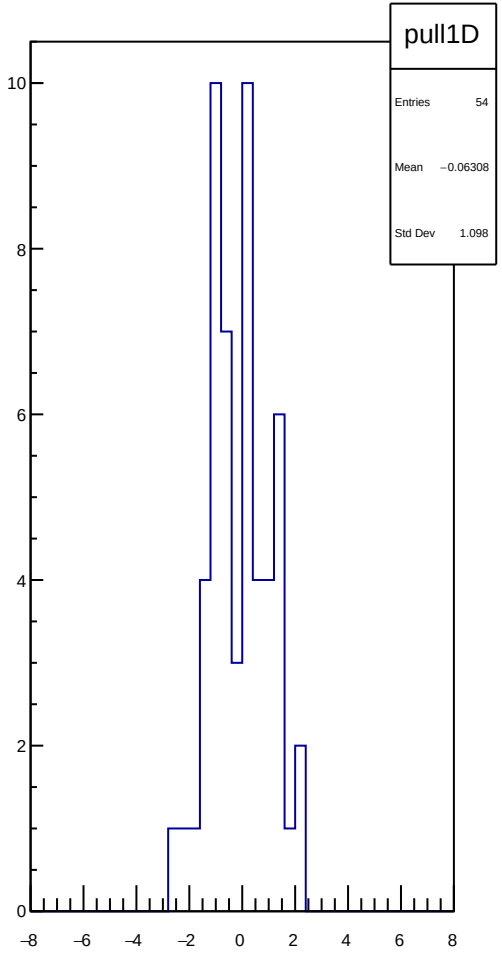

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.889e+04 / 53
p0 86.91 ± 0.08718
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

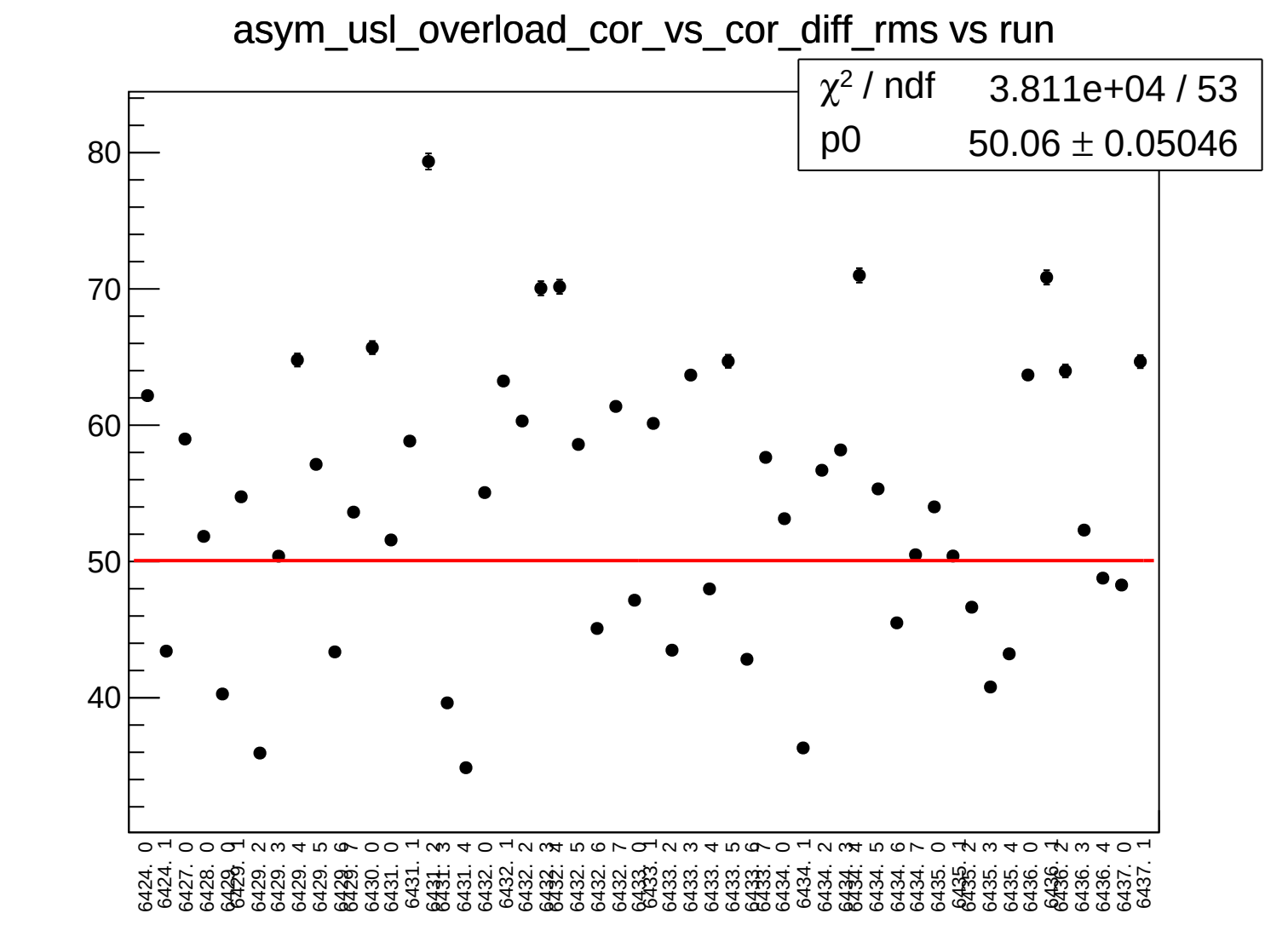

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.98 / 53
p0 −1.446e−14 ± 3.288e−14
pull
Entries 54
Mean 48.53
Std Dev 0

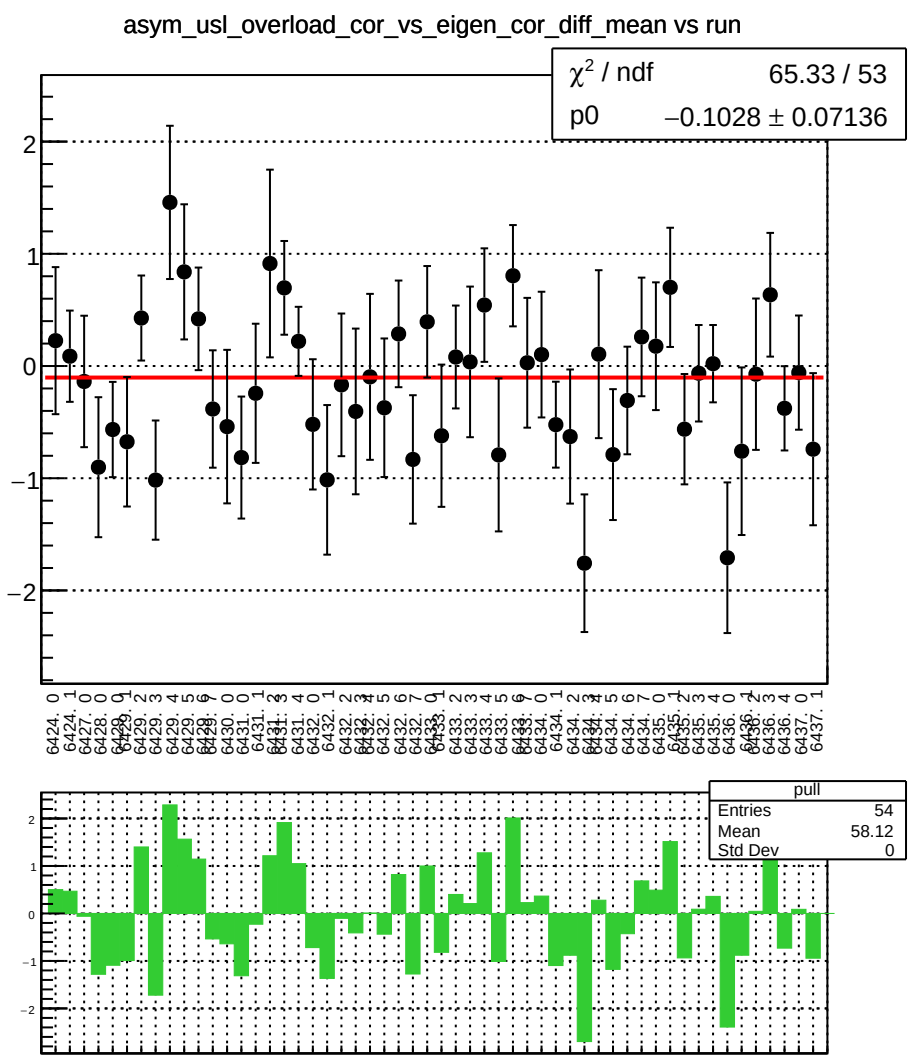

pull1D
Entries 54
Mean 0.1821
Std Dev 1.219

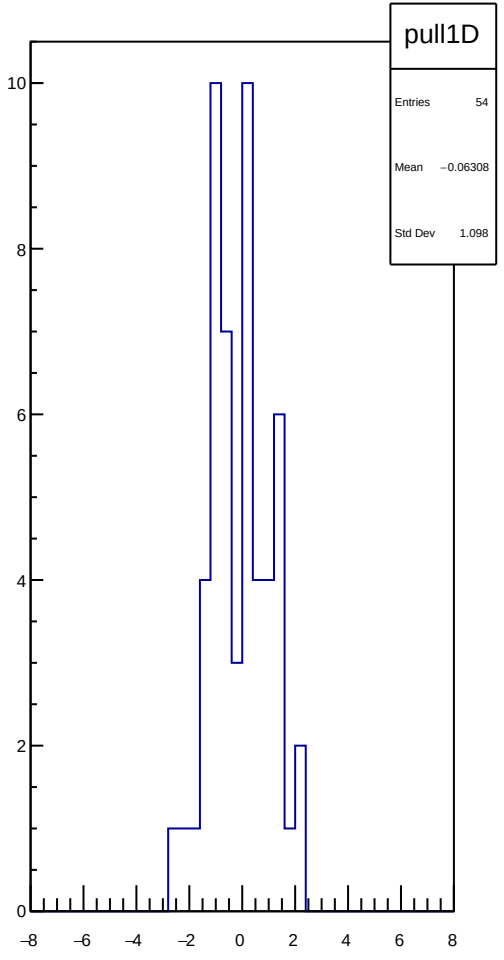

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.165e+05 / 53
p0 1.954e−11 ± 2.325e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

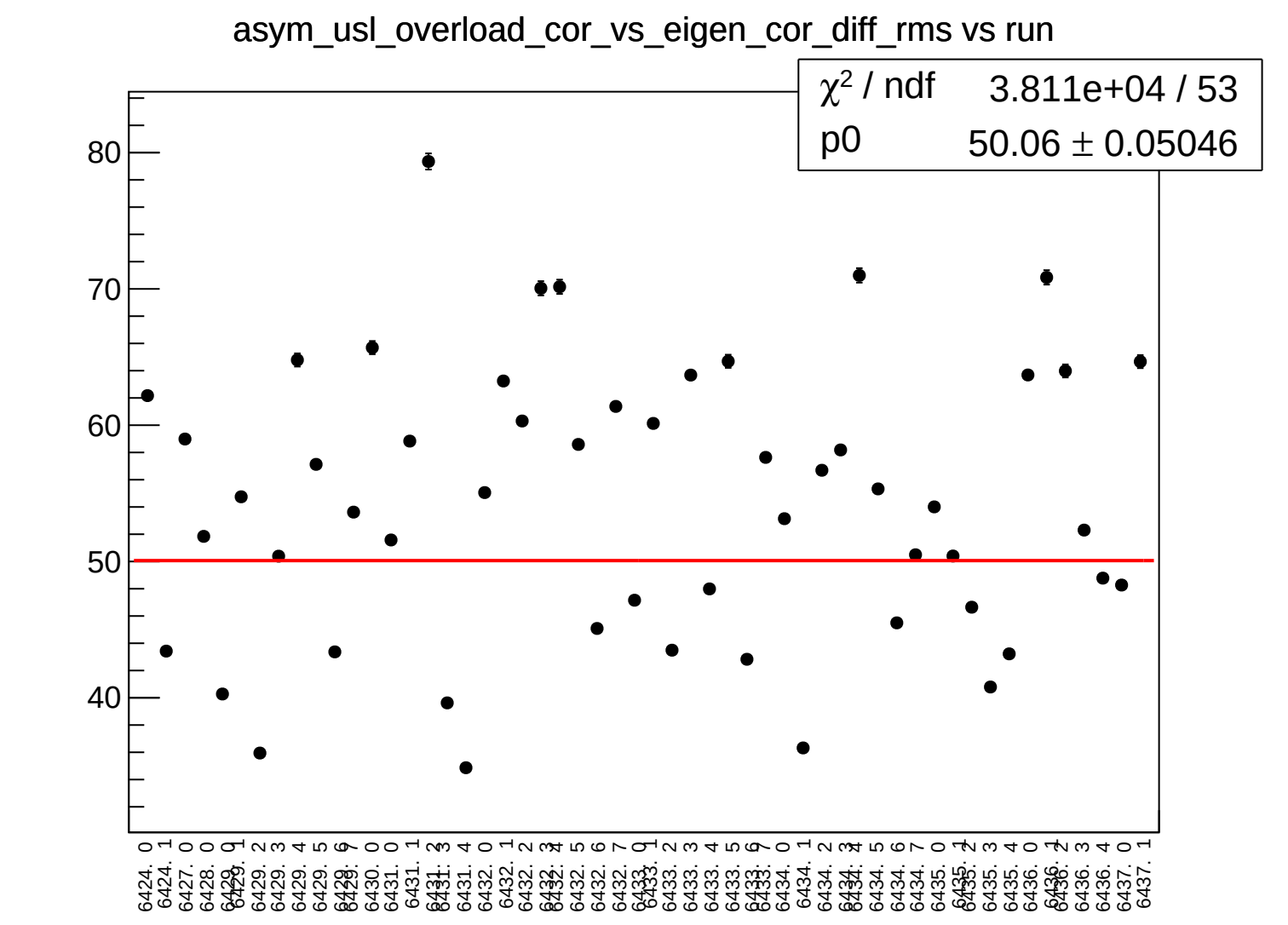

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 65.33 / 53
p0 −0.1028 ± 0.07136
pull
Entries 54
Mean 58.12
Std Dev 0

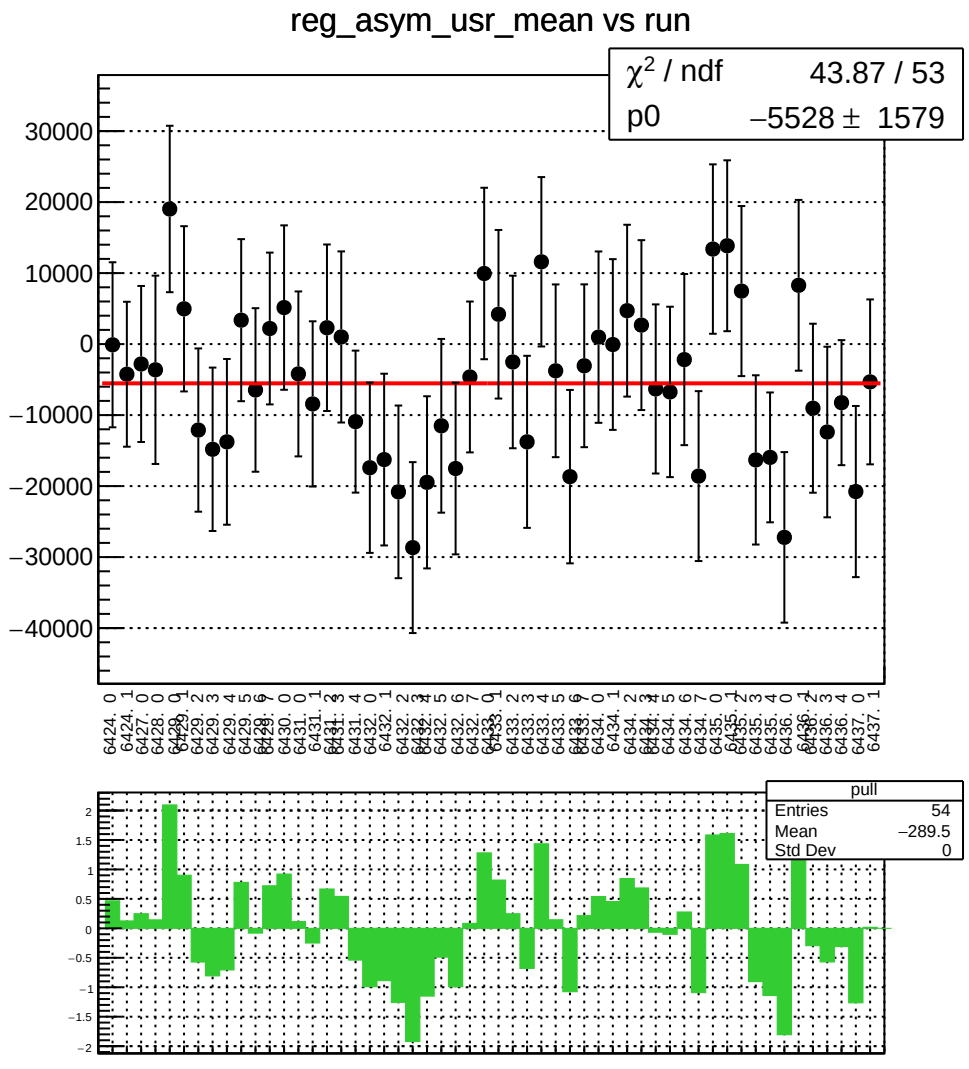

pull1D
Entries 54
Mean −0.06308
Std Dev 1.098

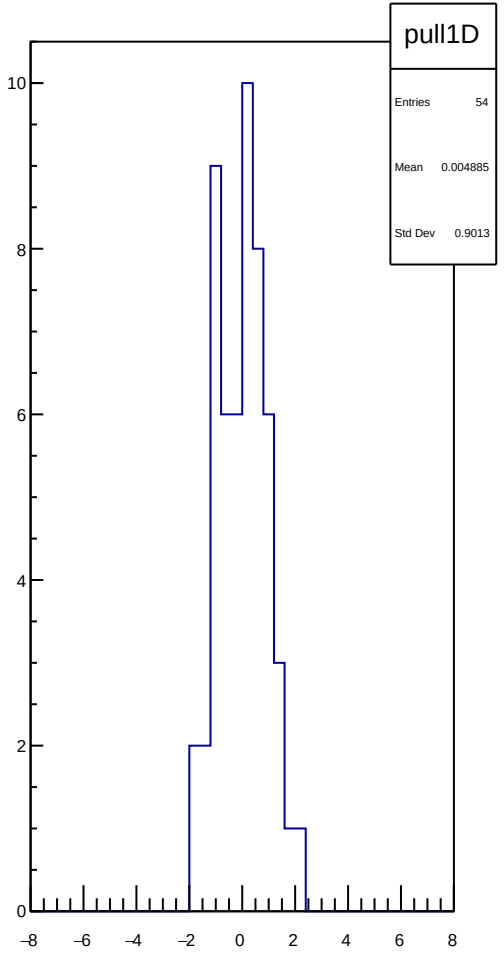

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 3.811e+04 / 53
p0 50.06 ± 0.05046
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

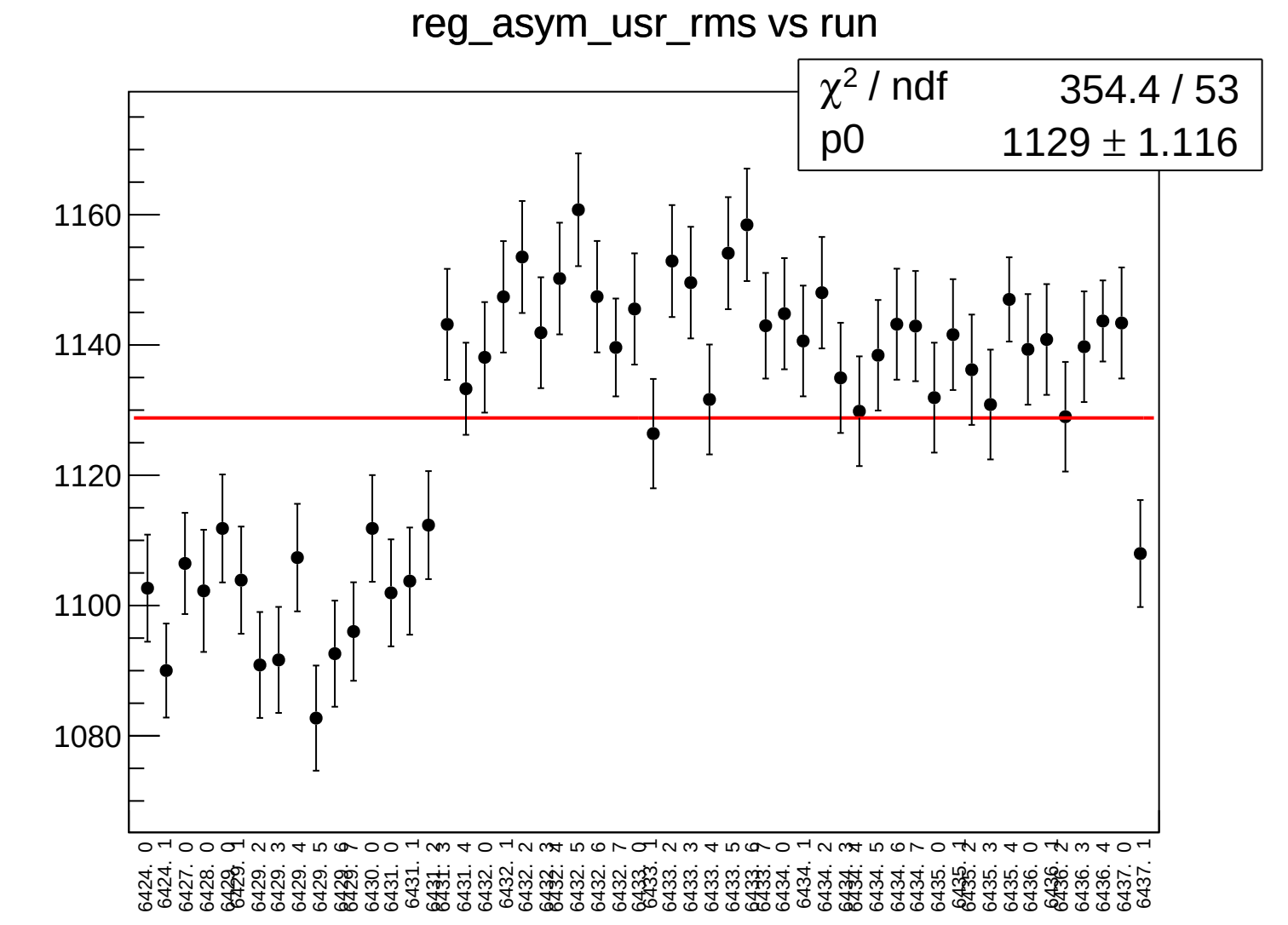

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.33 / 53
p0 −0.1028 ± 0.07136
pull
Entries 54
Mean 58.12
Std Dev 0

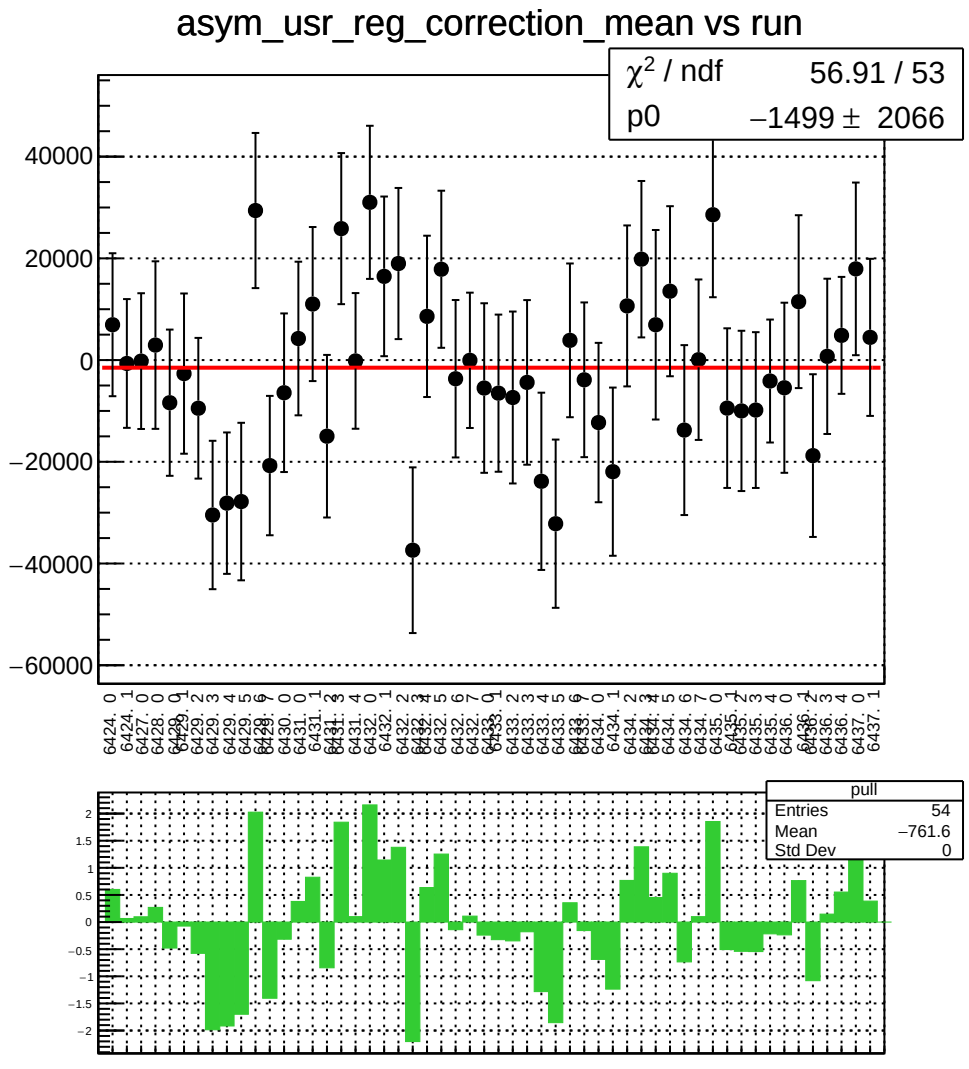

pull1D
Entries 54
Mean −0.06308
Std Dev 1.098

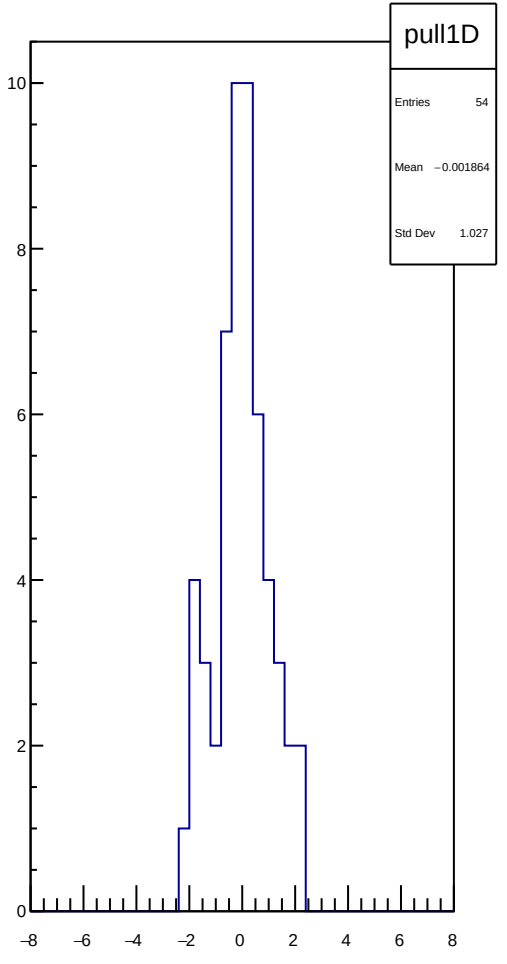

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.811e+04 / 53
p0 50.06 ± 0.05046
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

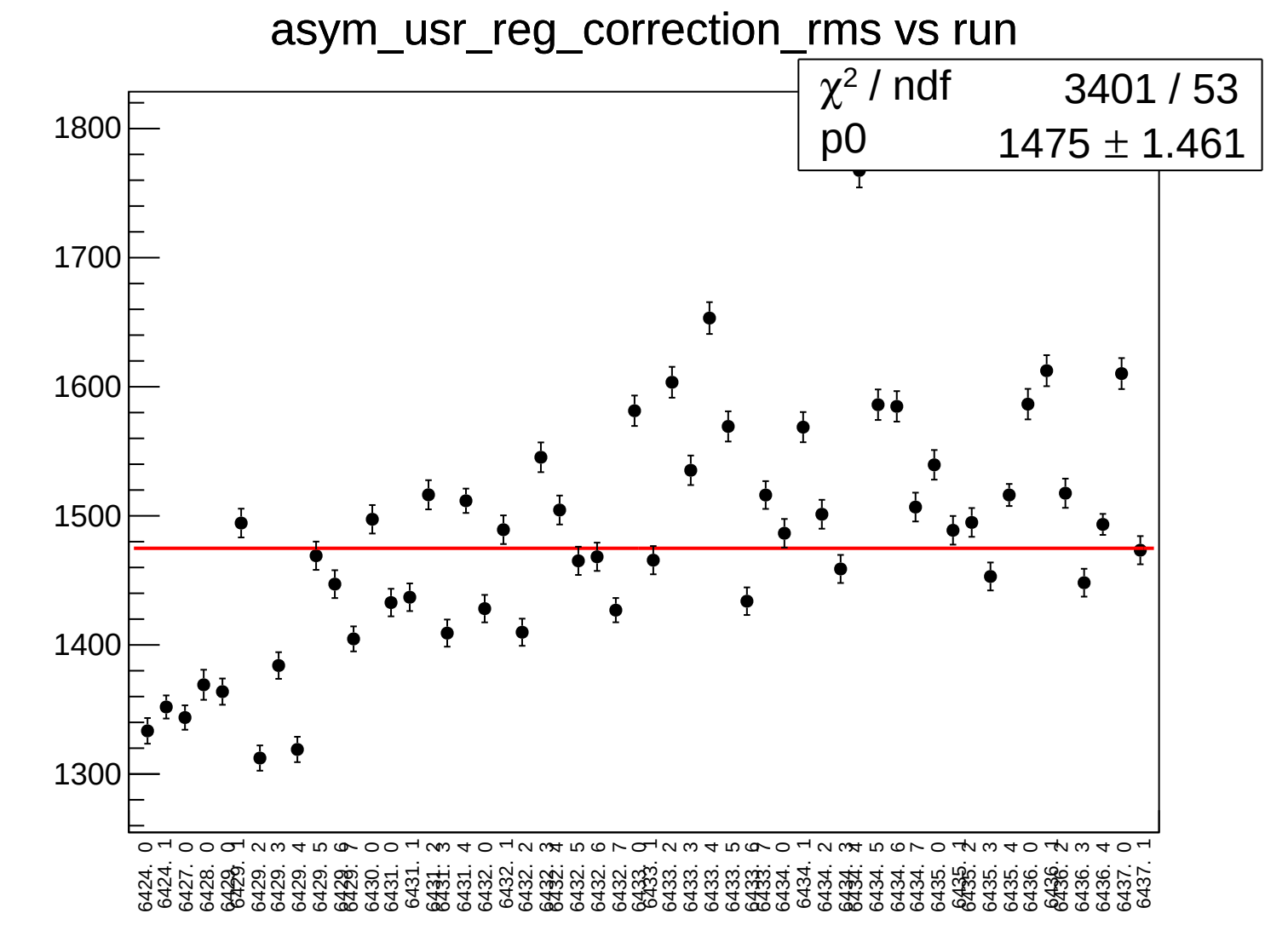

reg_asym_usr_mean vs run
χ^2 / ndf 43.87 / 53
p0 −5528 ± 1579
pull
Entries 54
Mean −289.5
Std Dev 0

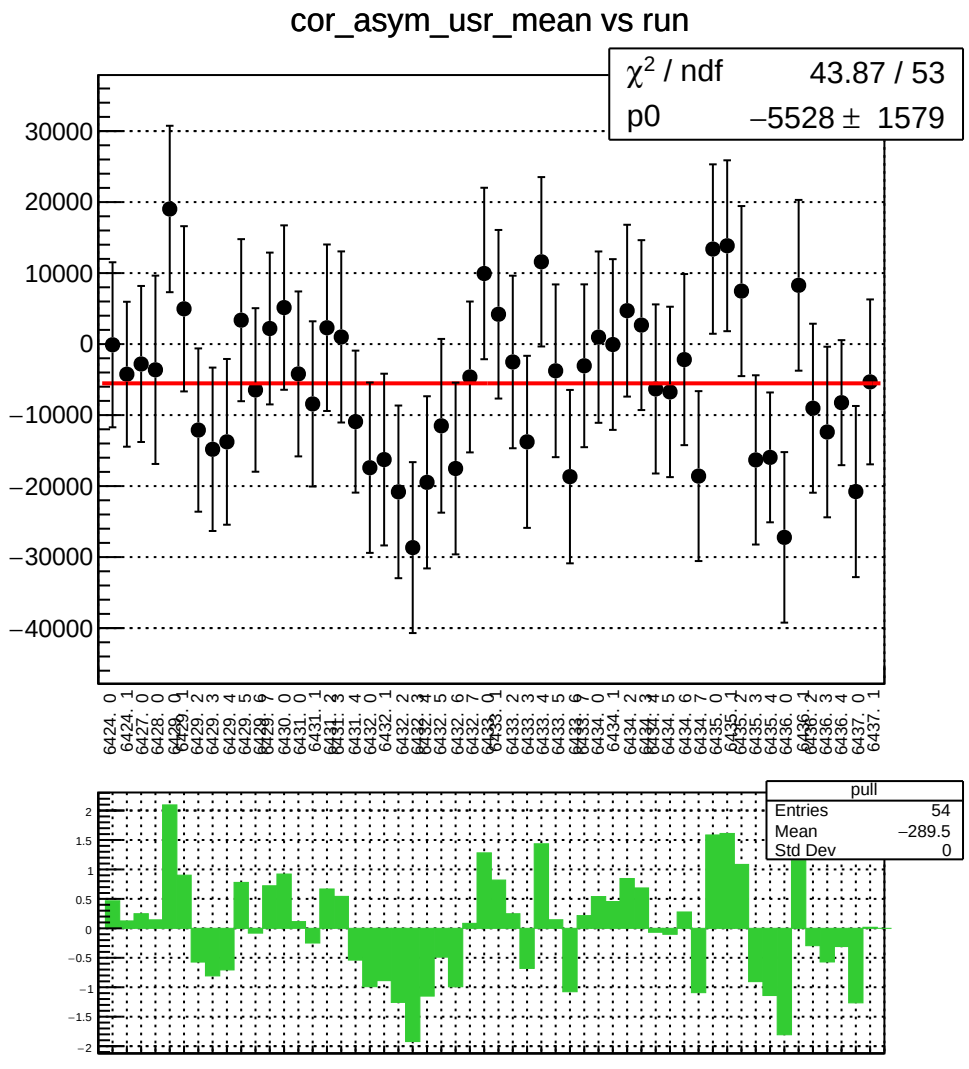

pull1D
Entries 54
Mean 0.004885
Std Dev 0.9013

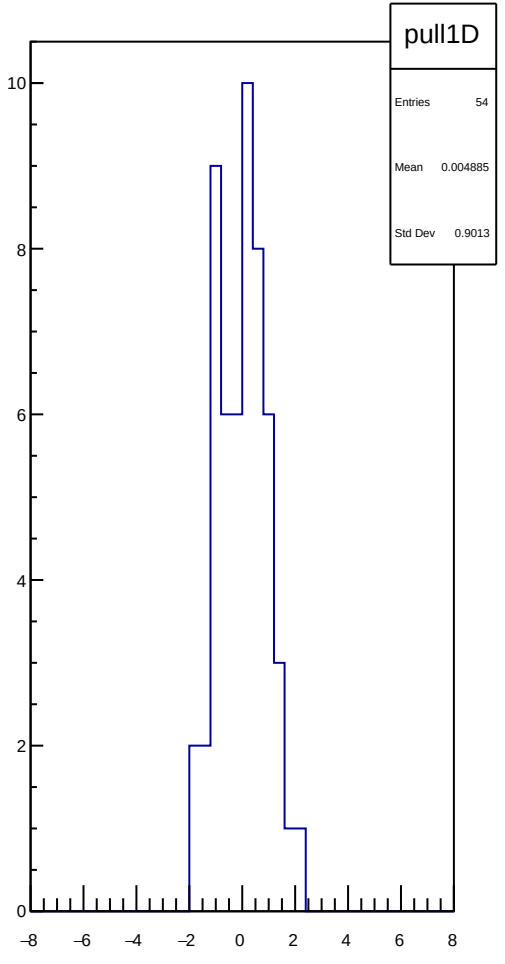

reg_asym_usr_rms vs run
χ^2 / ndf 354.4 / 53
p0 1129 ± 1.116
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

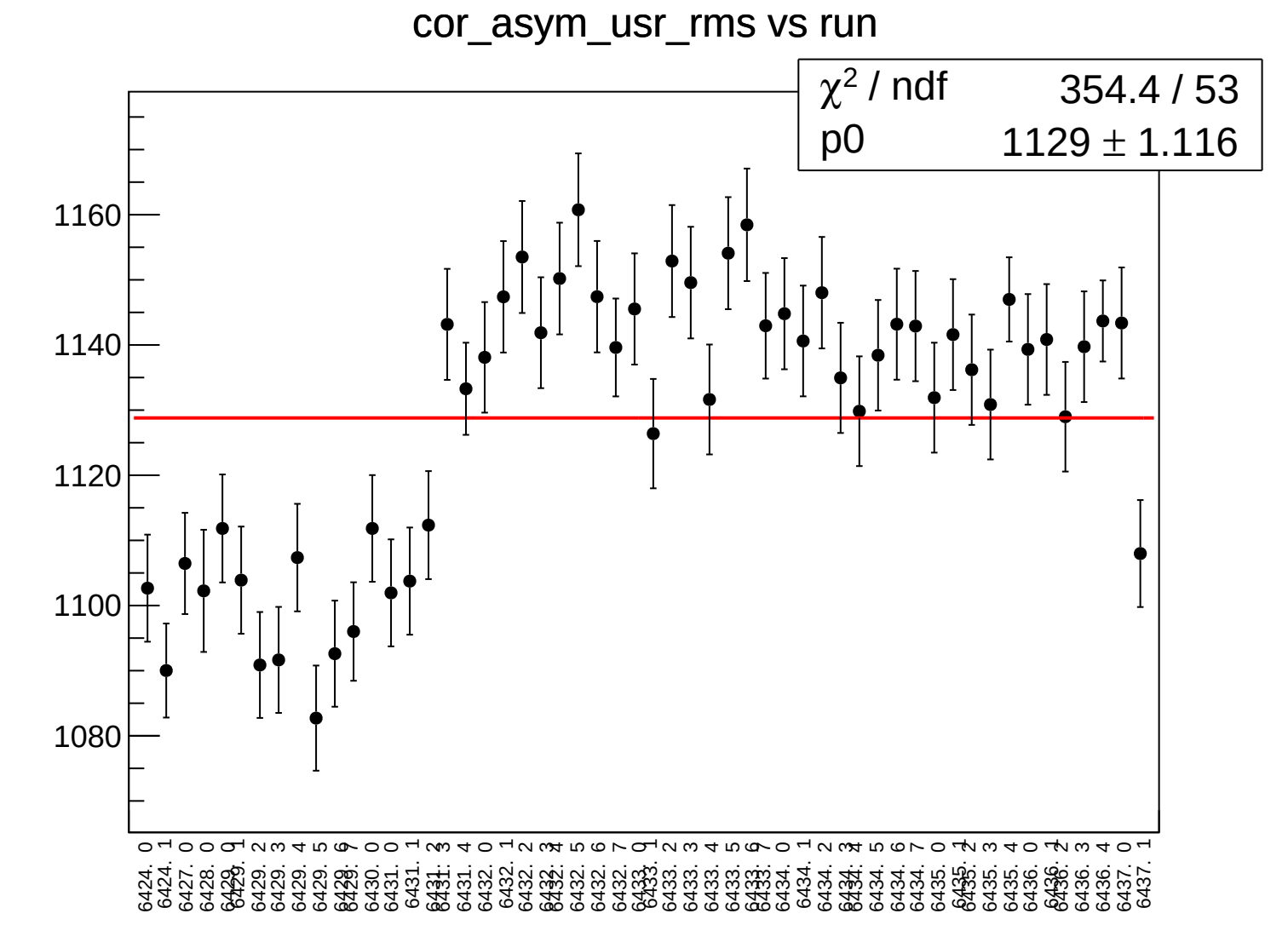

asym_usr_reg_correction_mean vs run
χ² / ndf 56.91 / 53
p0 −1499 ± 2066
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −761.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001864
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_reg_correction_rms vs run
χ² / ndf 3401 / 53
p0 1475 ± 1.461
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_usr_mean vs run
χ² / ndf 43.87 / 53
p0 −5528 ± 1579
pull
Entries 54
Mean −289.5
Std Dev 0


pull1D
Entries 54
Mean 0.004885
Std Dev 0.9013


cor_asym_usr_rms vs run
χ^2 / ndf 354.4 / 53
p0 1129 ± 1.116
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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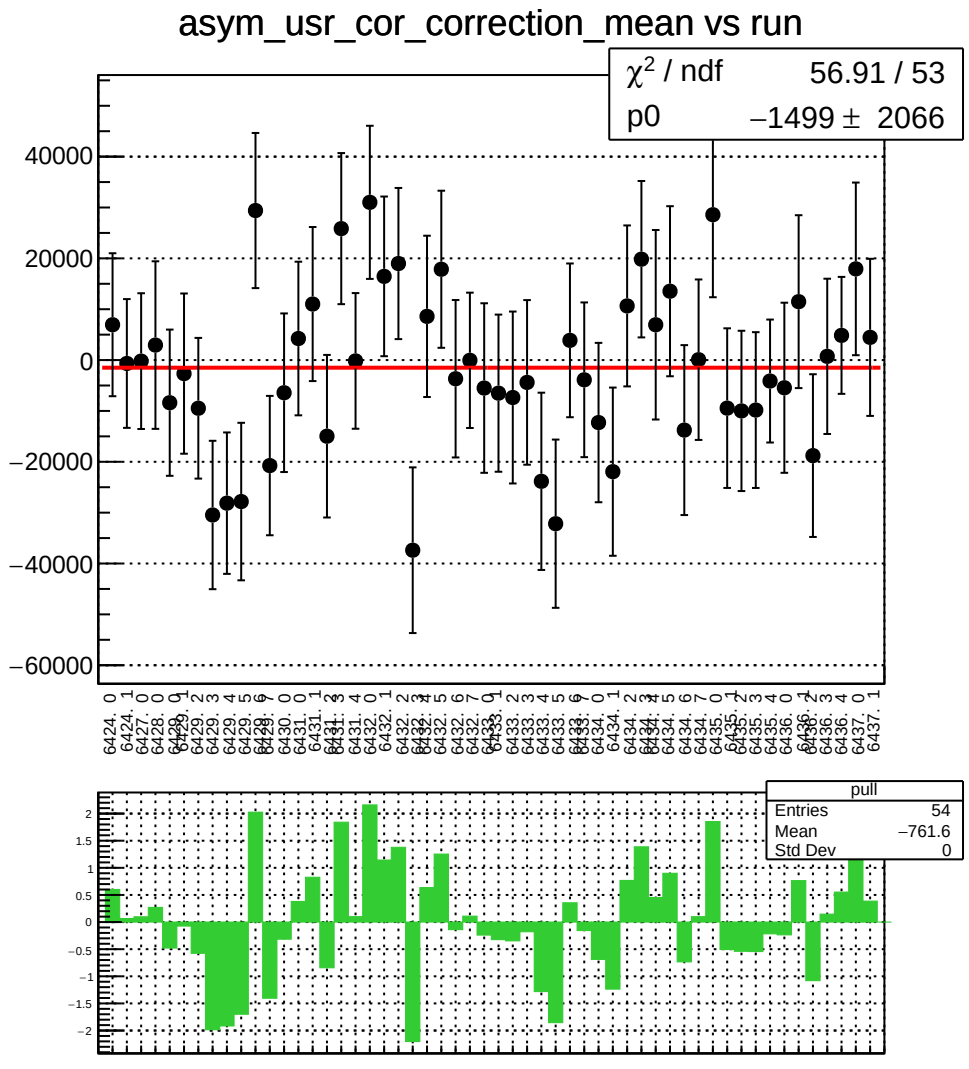
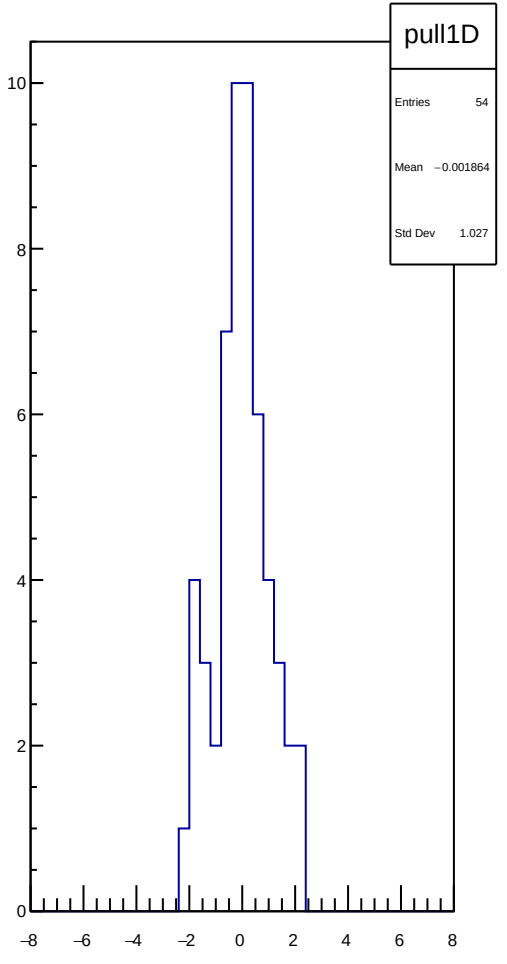
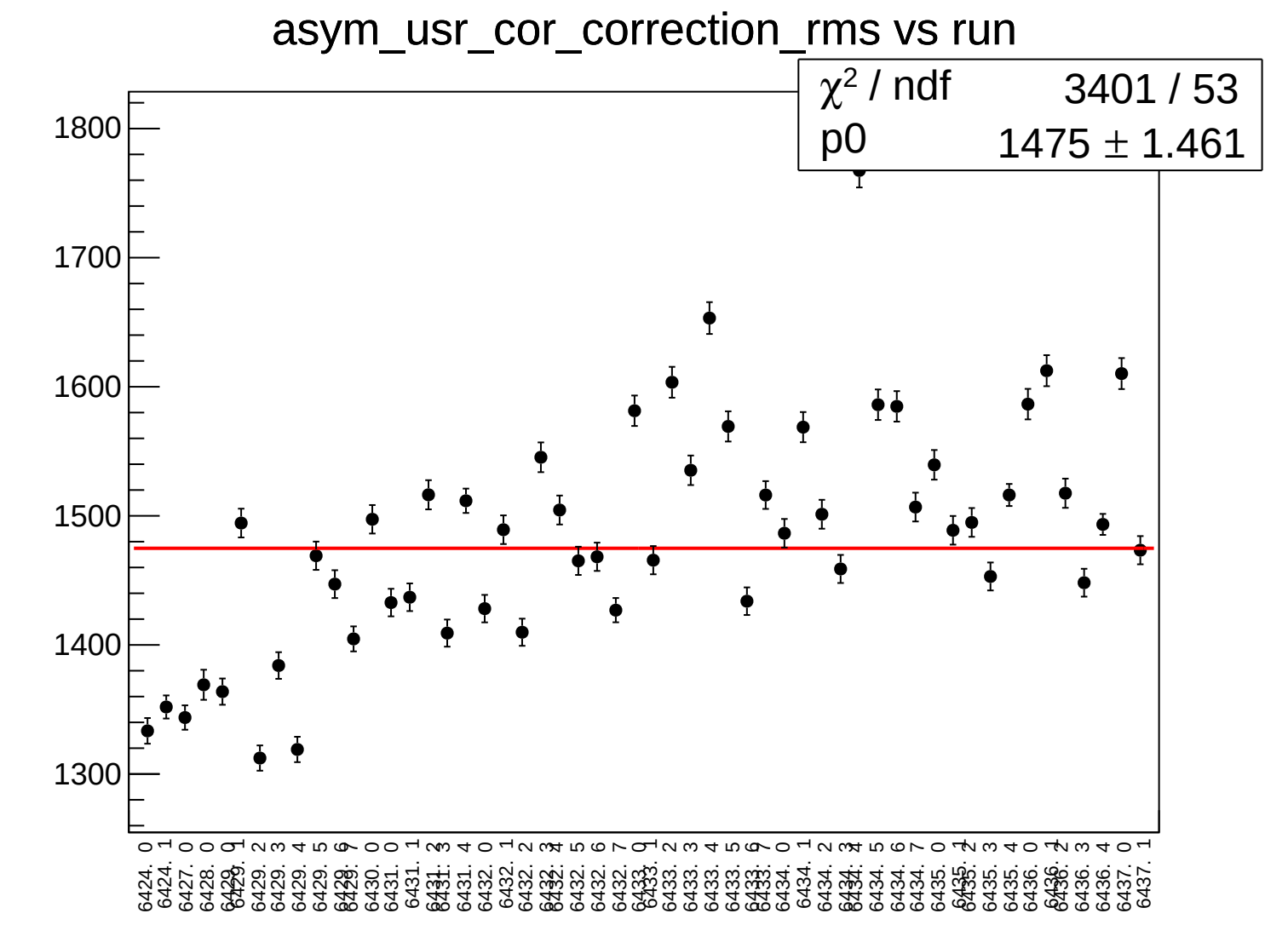
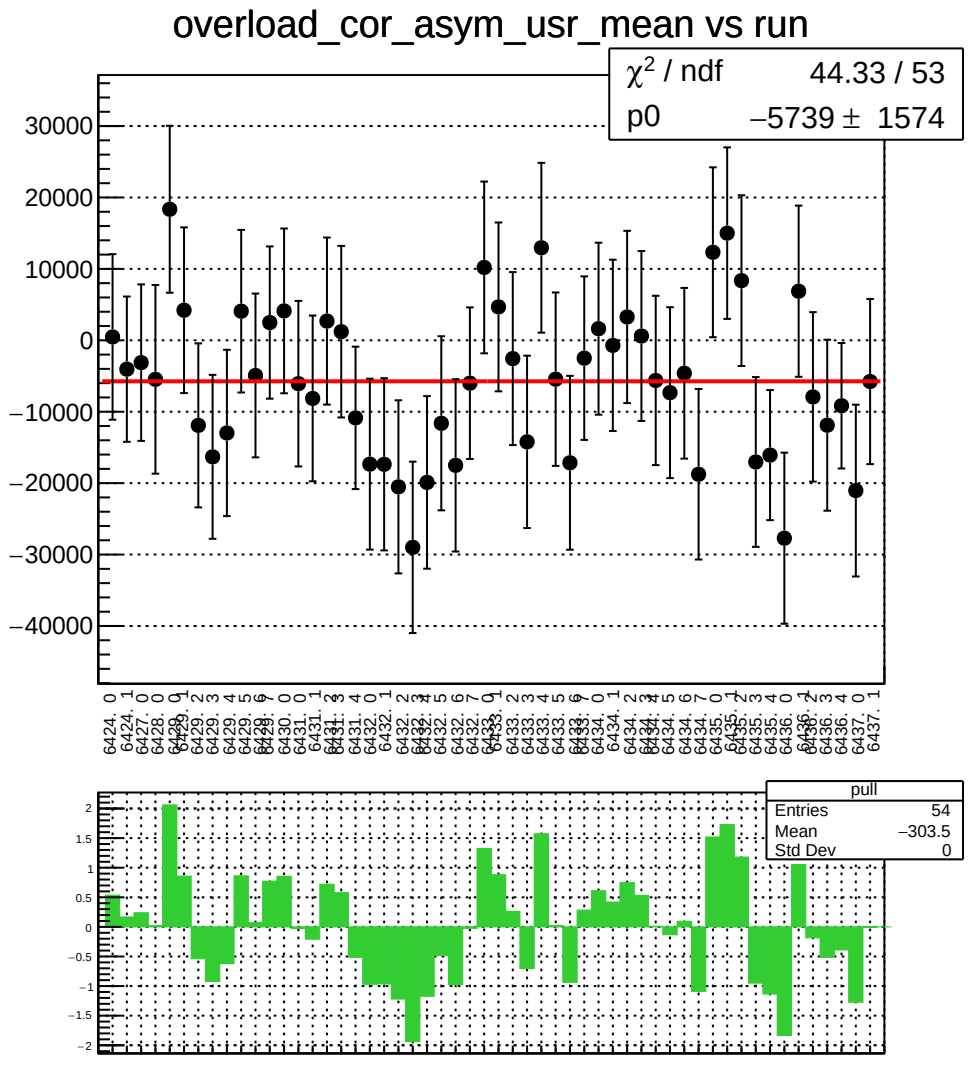
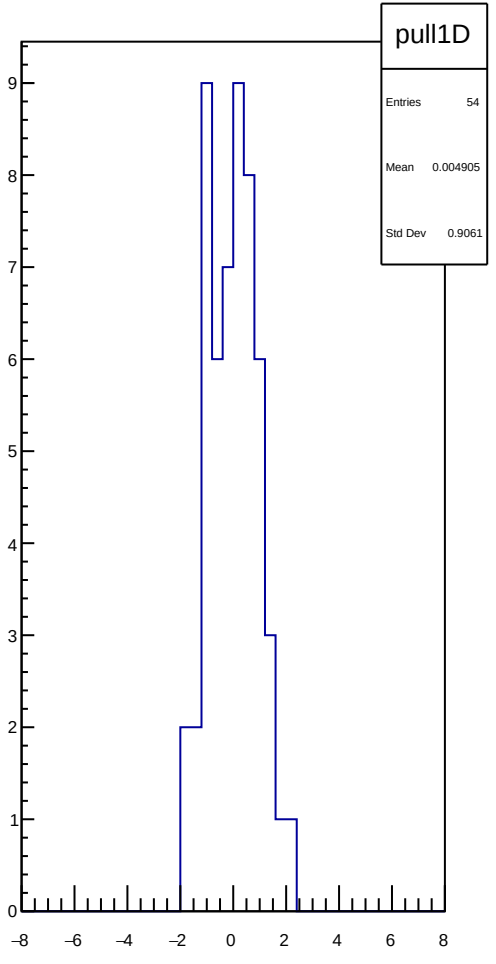
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

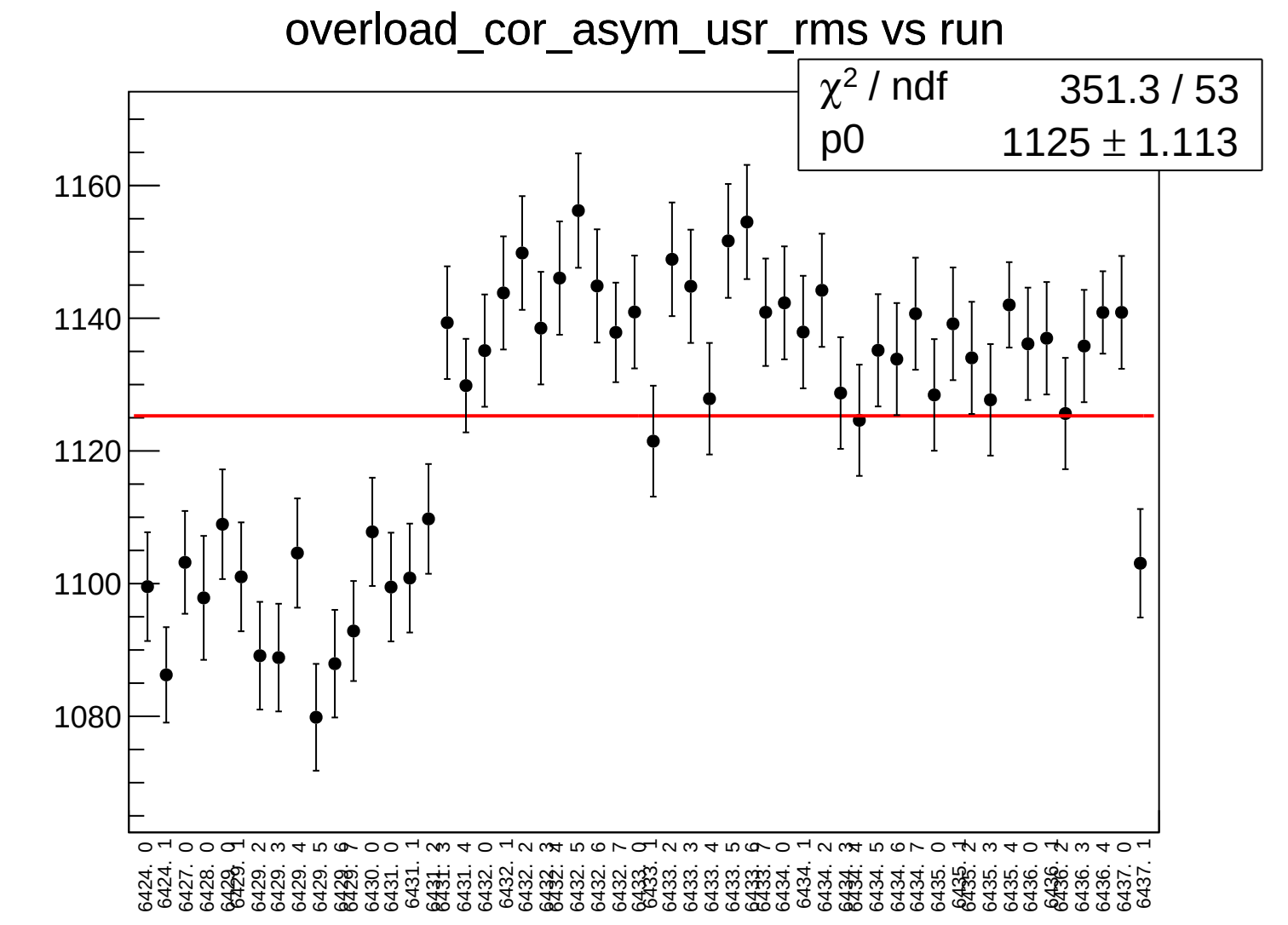

asym_usr_cor_correction_mean vs run
χ² / ndf 56.91 / 53
p0 −1499 ± 2066
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −761.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

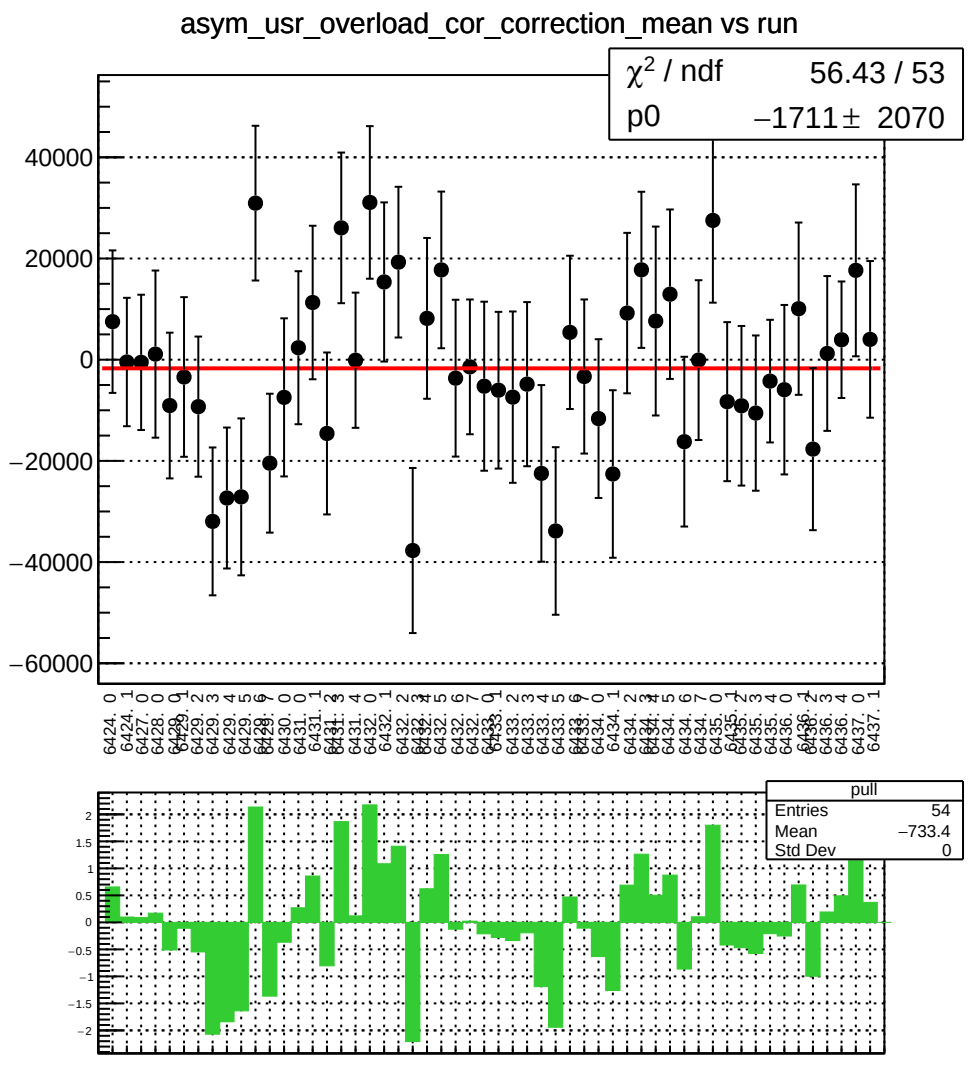

pull1D
Entries 54
Mean −0.001864
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

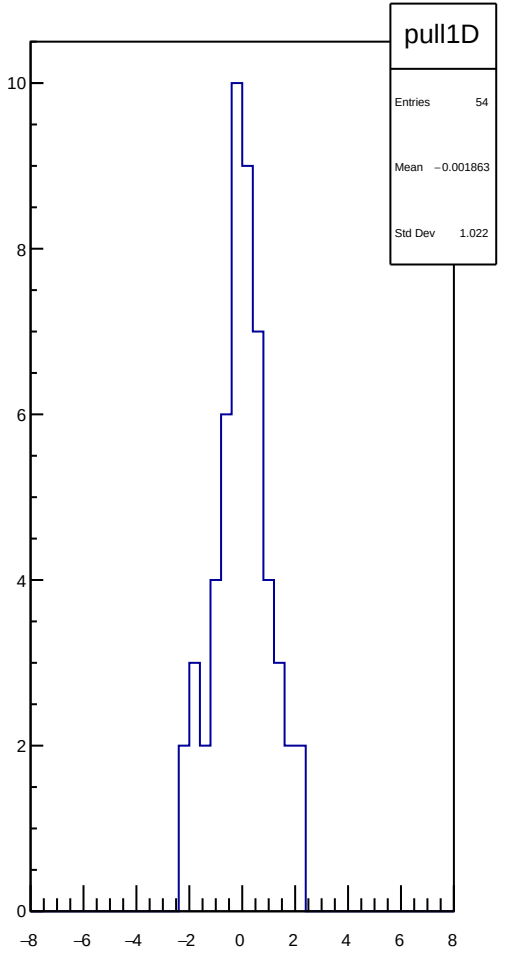

asym_usr_cor_correction_rms vs run
χ² / ndf 3401 / 53
p0 1475 ± 1.461
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

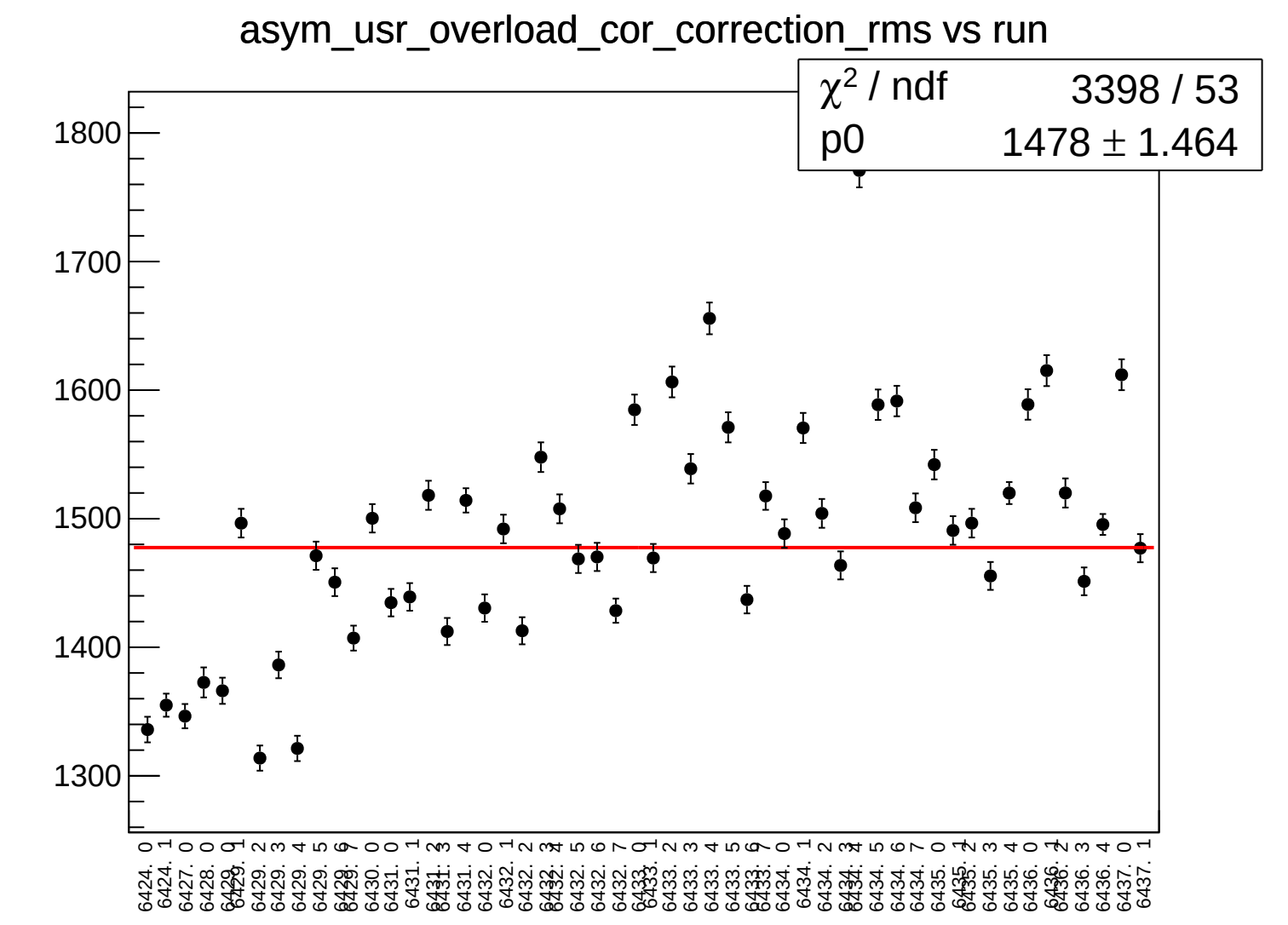

overload_cor_asym_usr_mean vs run
χ² / ndf 44.33 / 53
p0 −5739 ± 1574
pull
Entries 54
Mean −303.5
Std Dev 0


pull1D
Entries 54
Mean 0.004905
Std Dev 0.9061


overload_cor_asym_usr_rms vs run
χ² / ndf 351.3 / 53
p0 1125 ± 1.113
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usr_overload_cor_correction_mean vs run
χ² / ndf 56.43 / 53
p0 −1711 ± 2070
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −733.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001863
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3398 / 53
p0 1478 ± 1.464
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
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6434. 5
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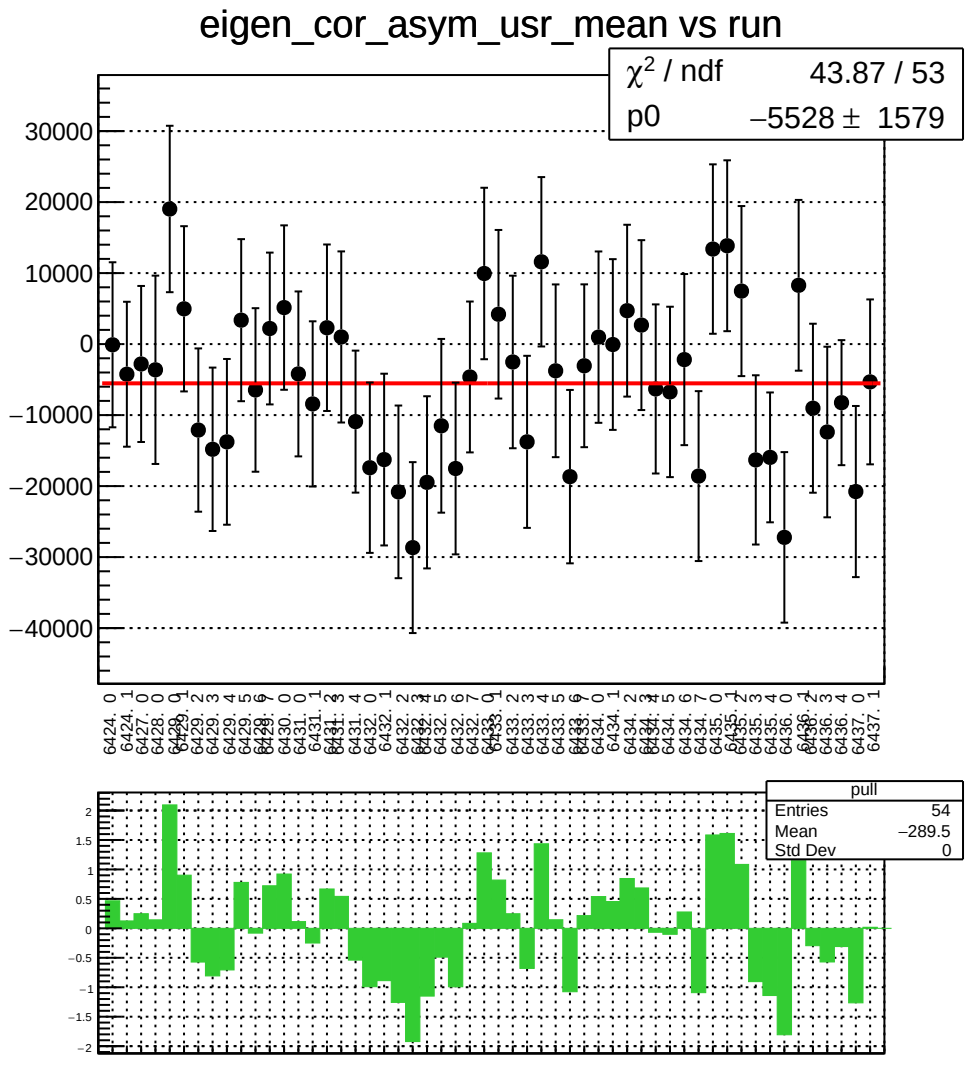
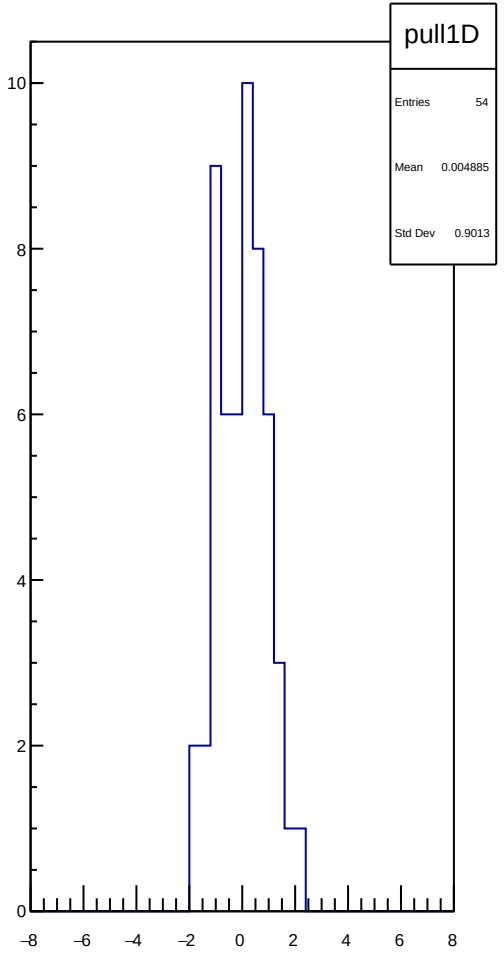
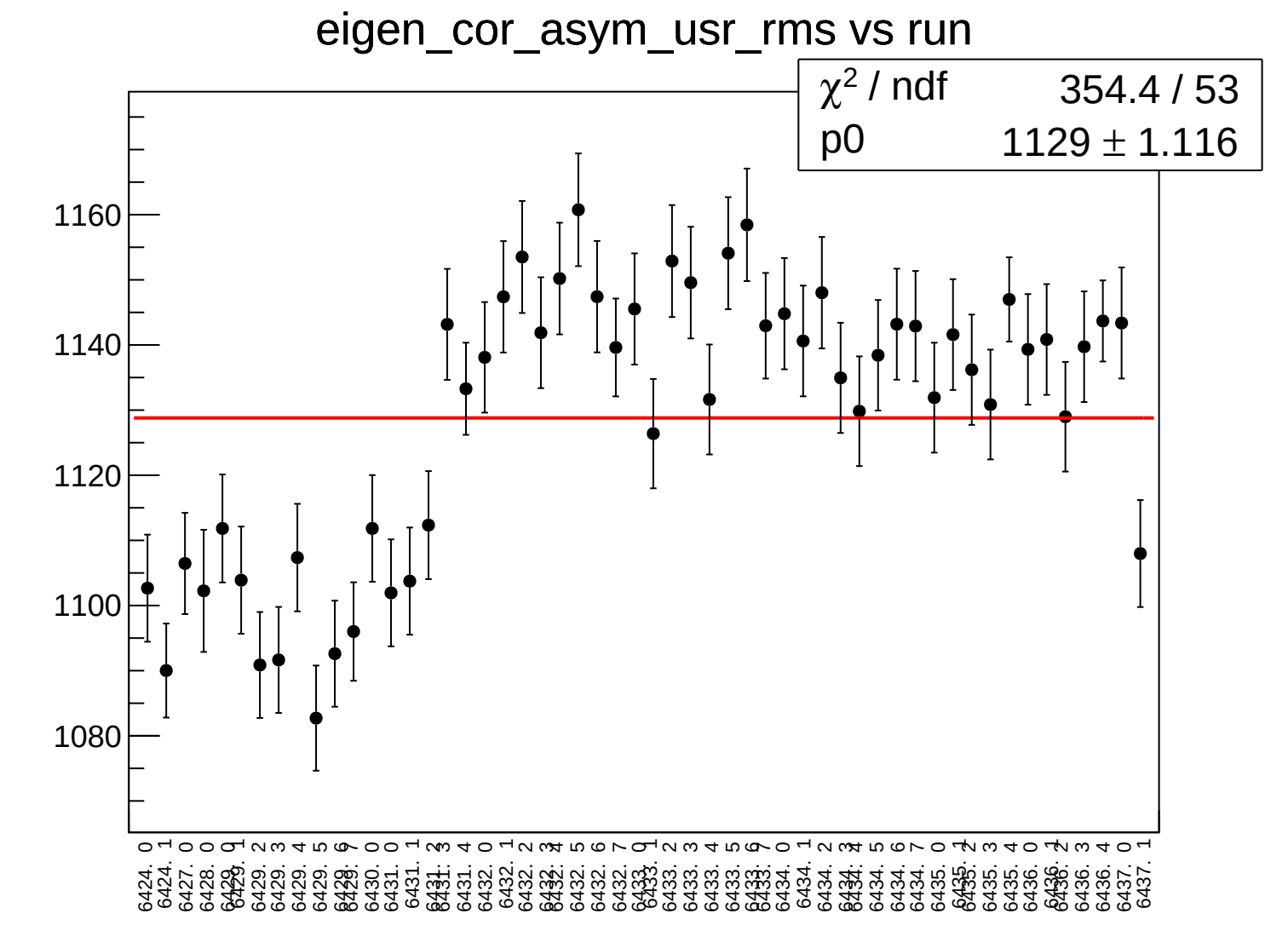
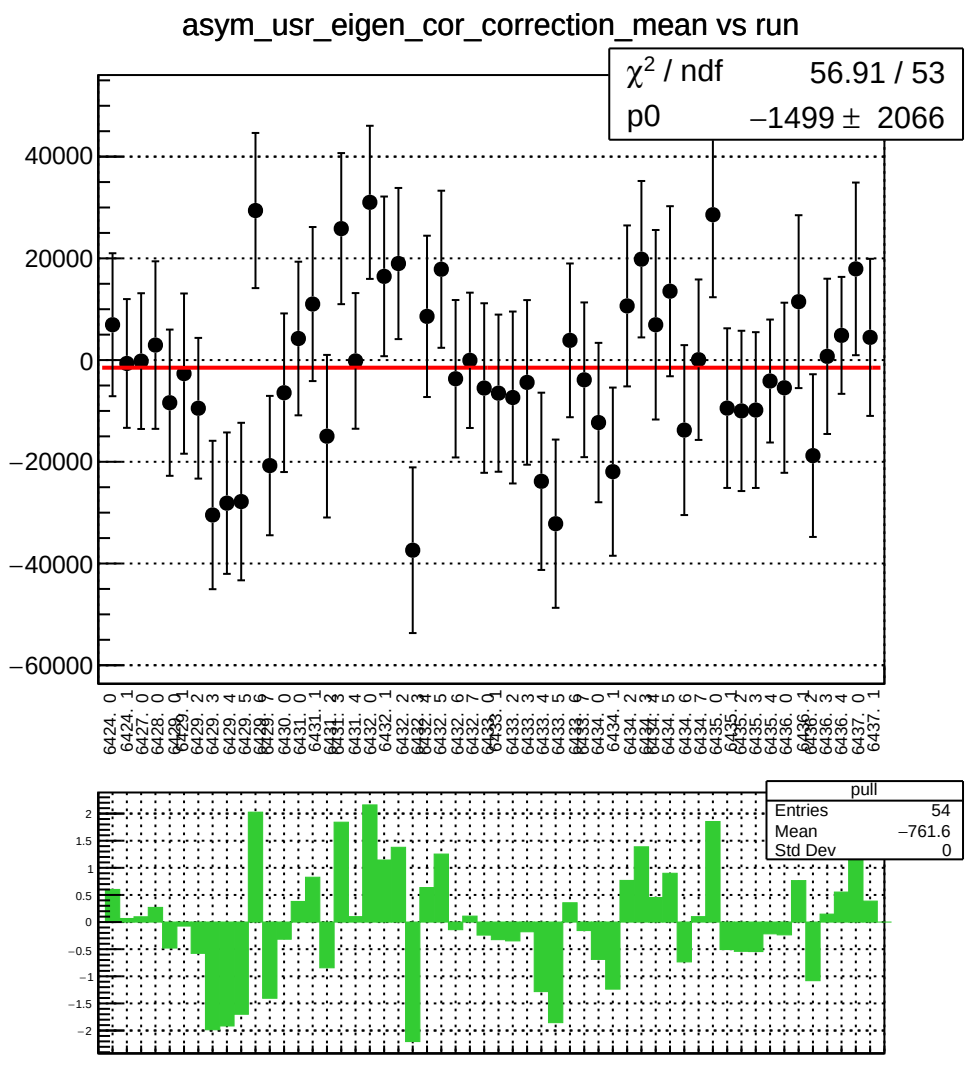
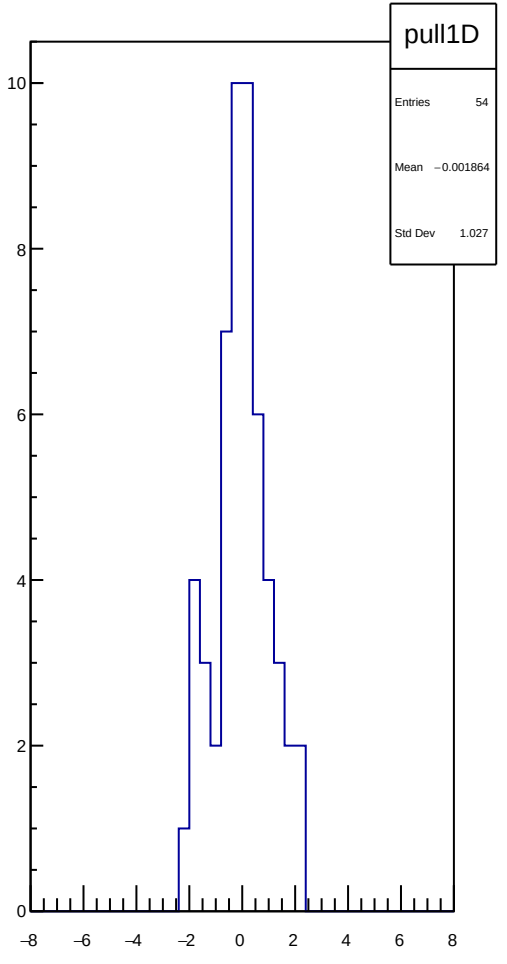
6436. 4
6437. 0
6437. 1

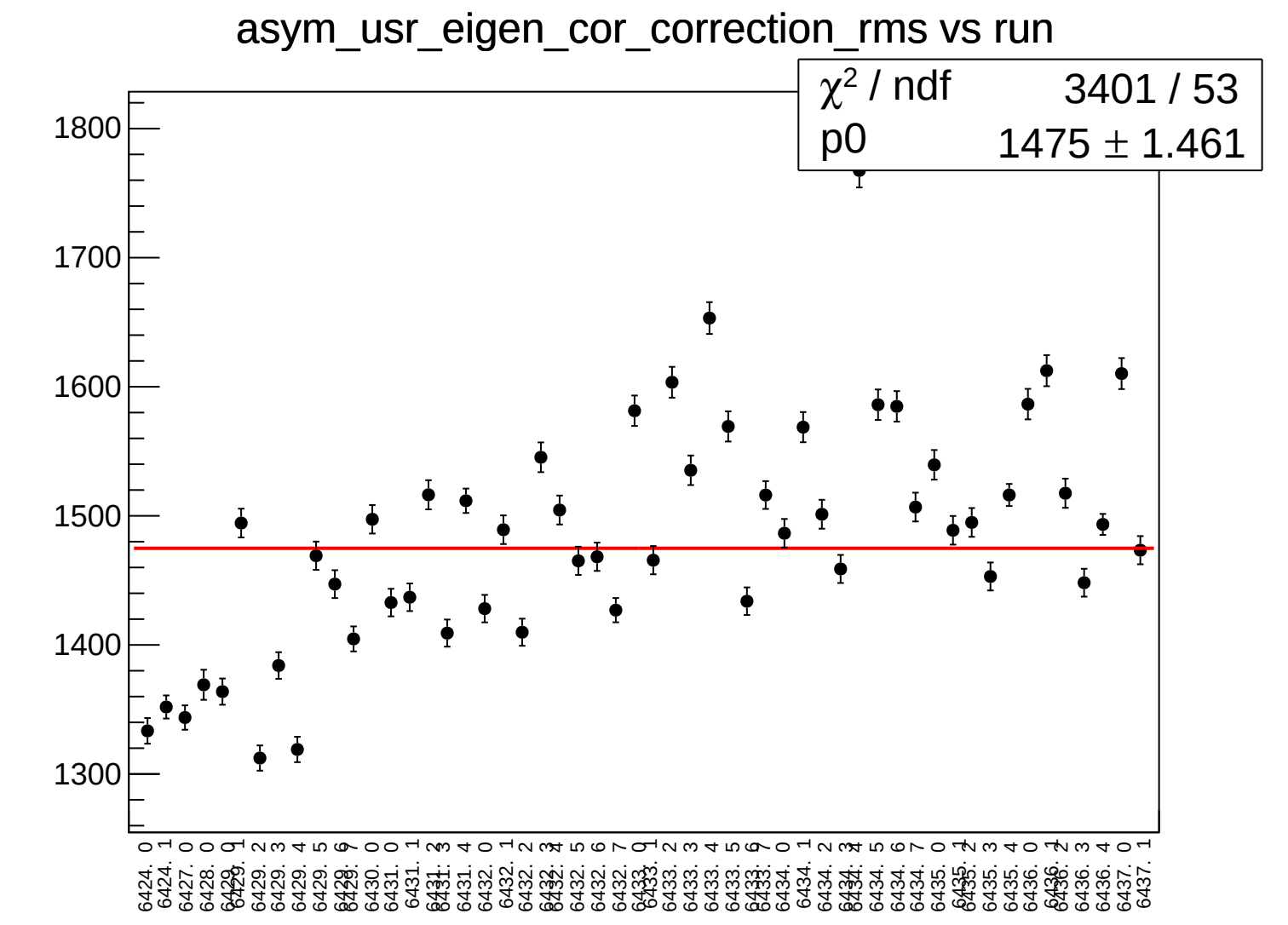

eigen_cor_asym_usr_mean vs run
χ² / ndf 43.87 / 53
p0 −5528 ± 1579
pull
Entries 54
Mean −289.5
Std Dev 0


pull1D
Entries 54
Mean 0.004885
Std Dev 0.9013


eigen_cor_asym_usr_rms vs run
χ² / ndf 354.4 / 53
p0 1129 ± 1.116
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 56.91 / 53
p0 −1499 ± 2066
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −761.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.001864
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 3401 / 53
p0 1475 ± 1.461
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6434. 0
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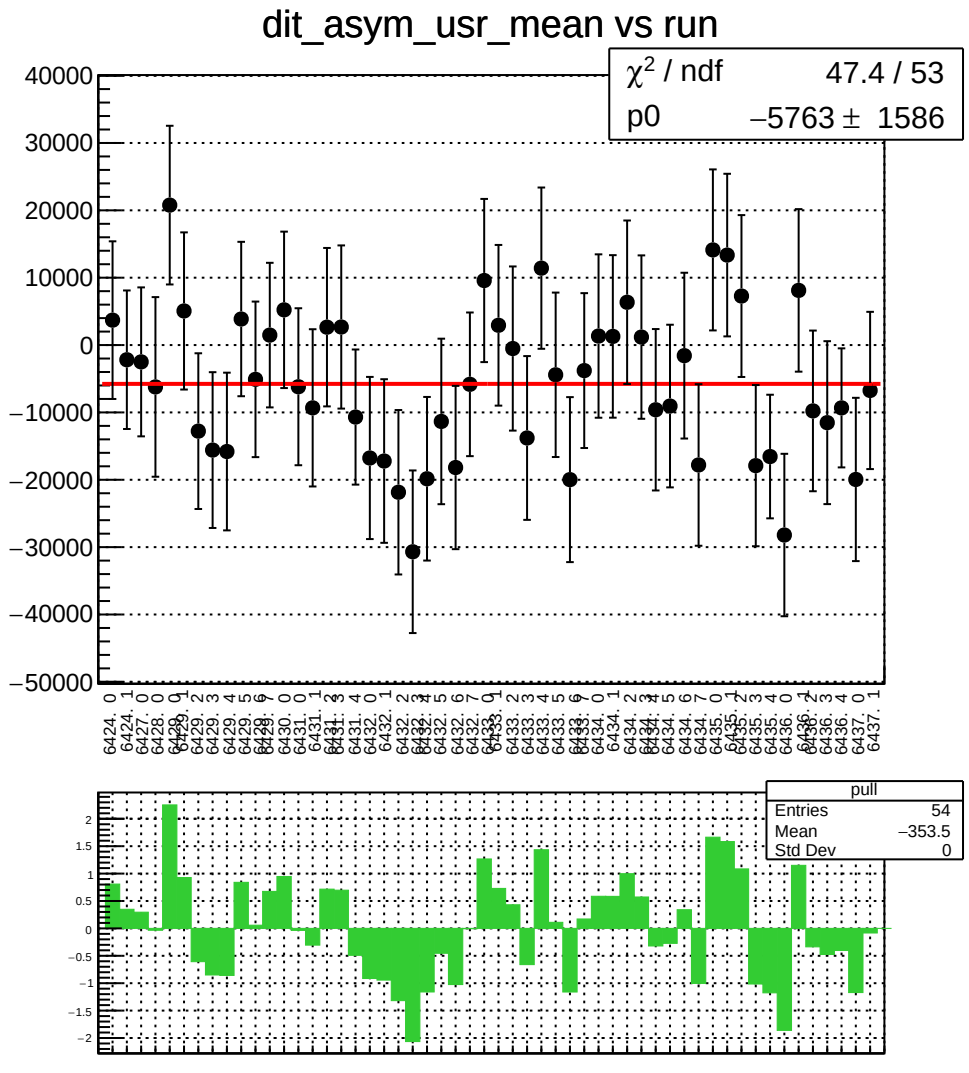
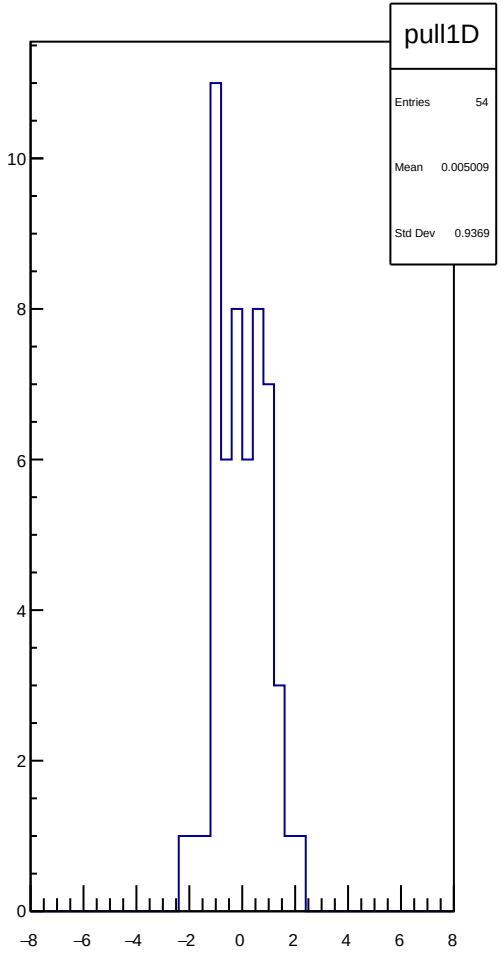
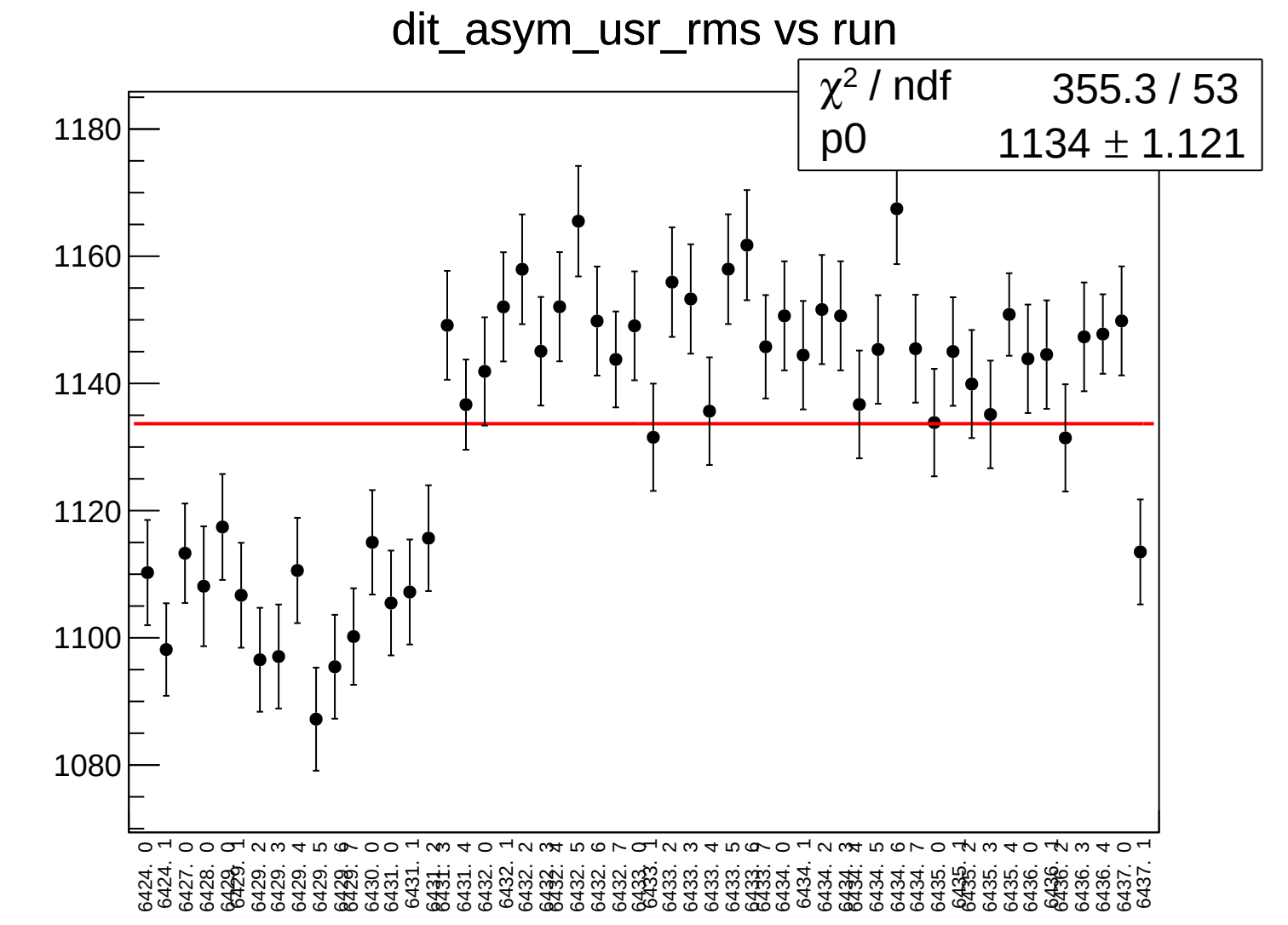
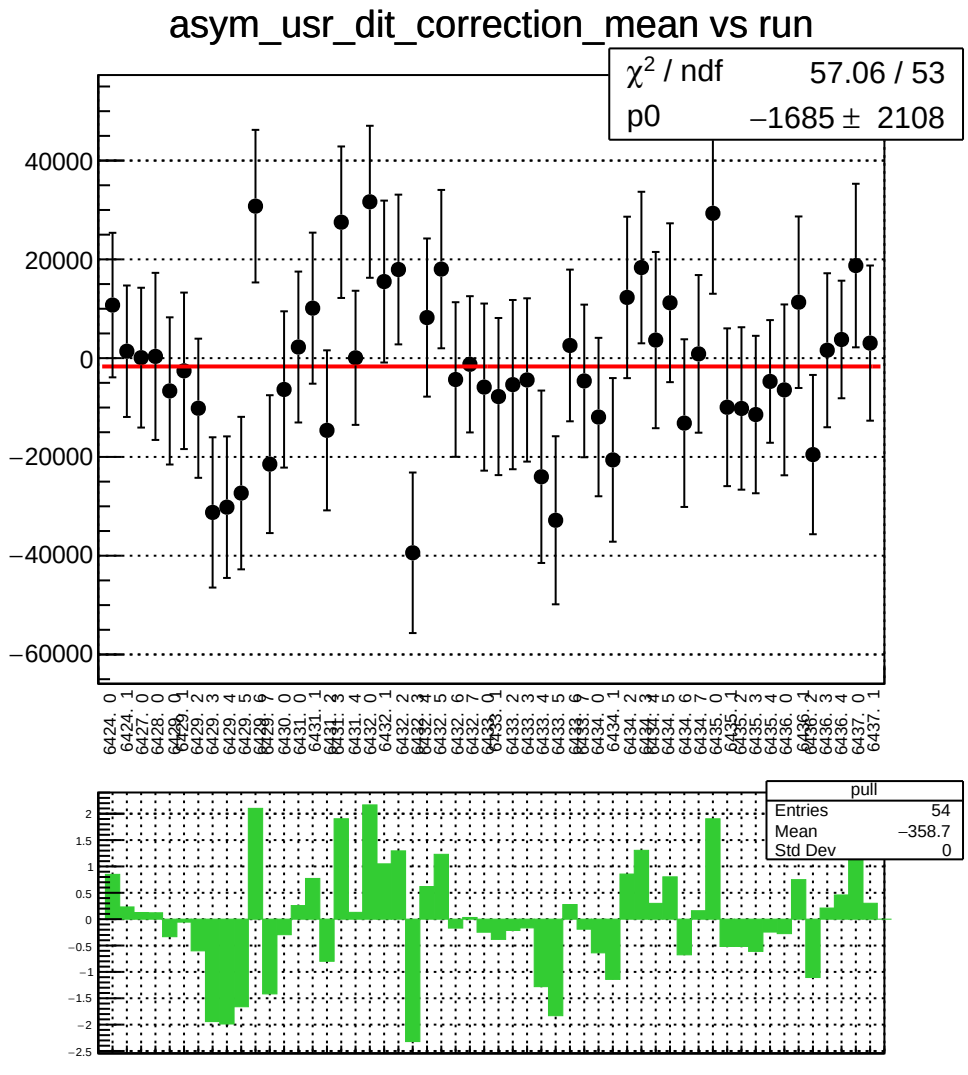
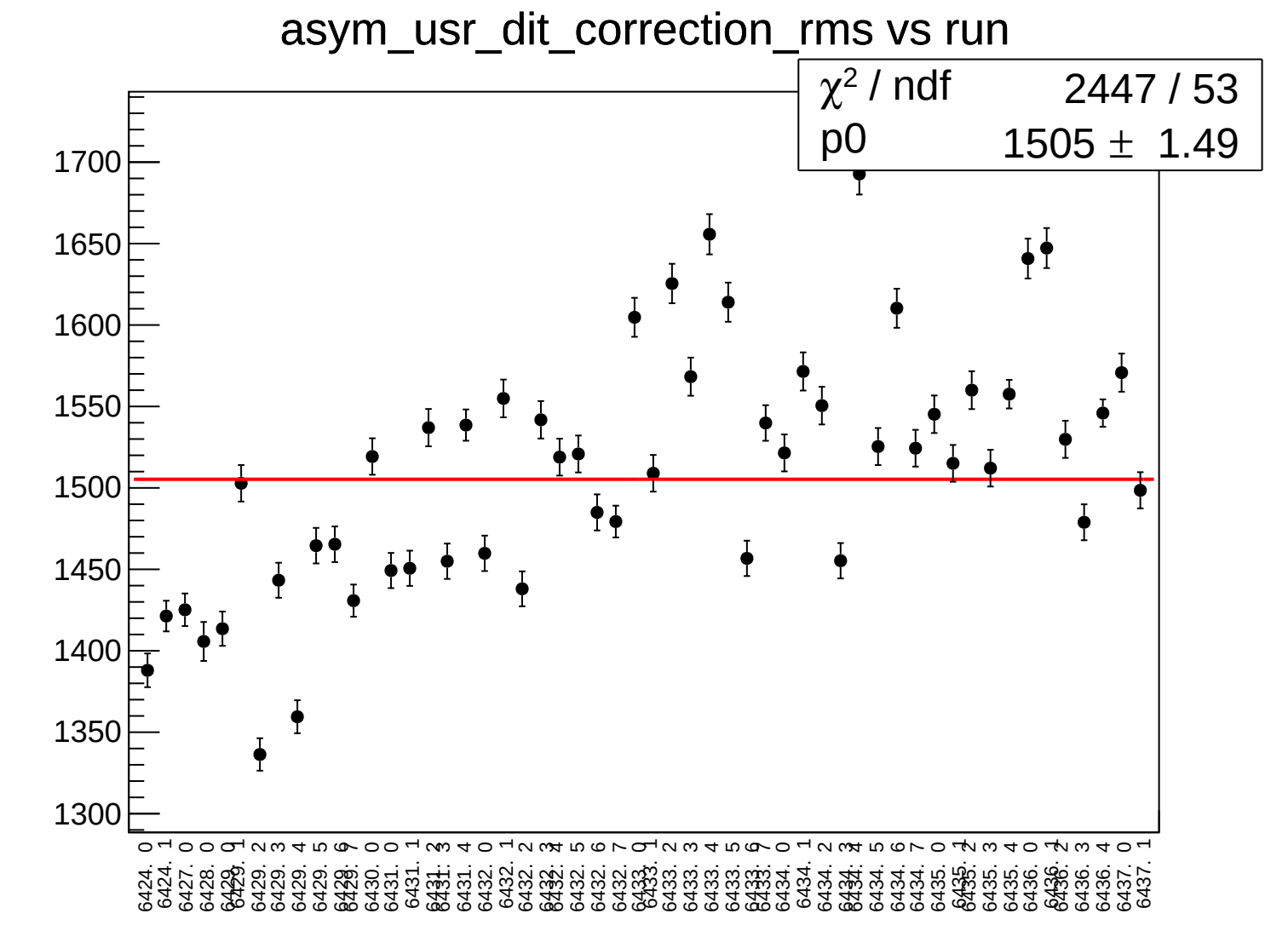
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

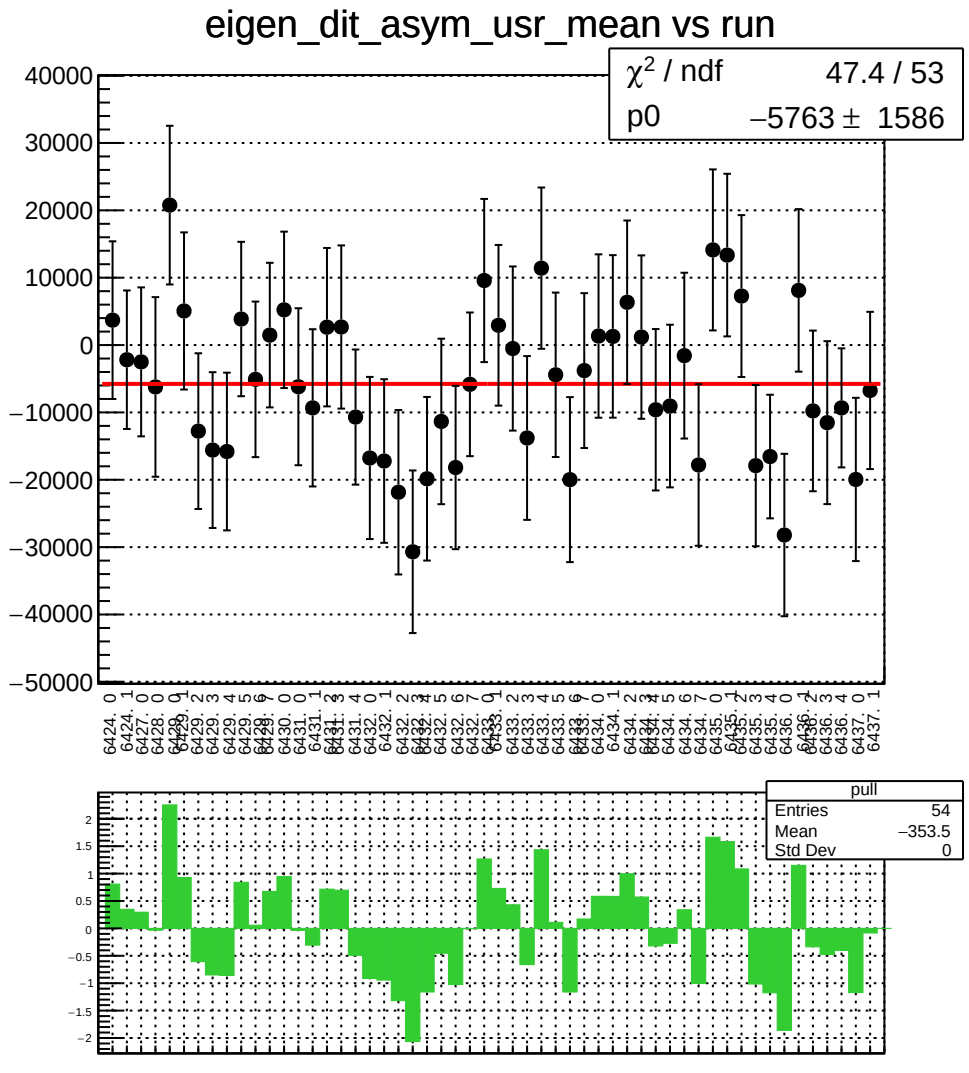

dit_asym_usr_mean vs run
χ² / ndf 47.4 / 53
p0 −5763 ± 1586
pull
Entries 54
Mean −353.5
Std Dev 0

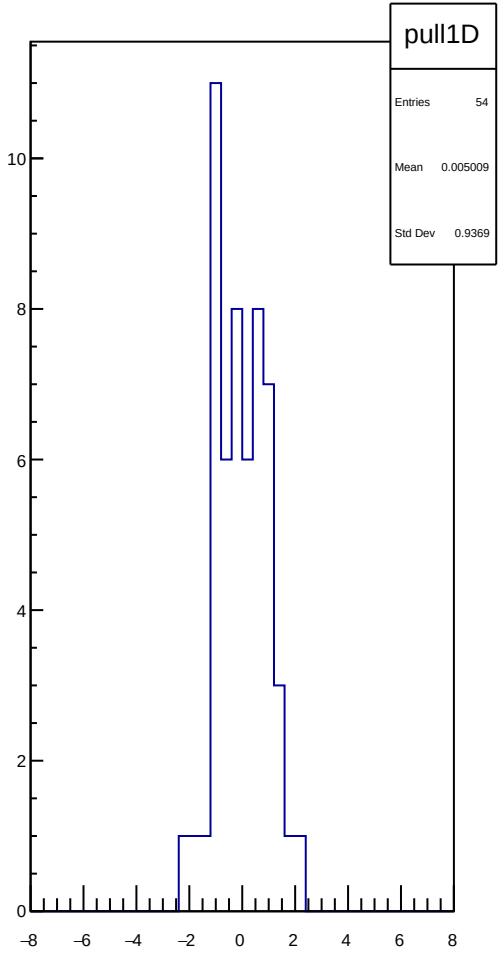

pull1D
Entries 54
Mean 0.005009
Std Dev 0.9369

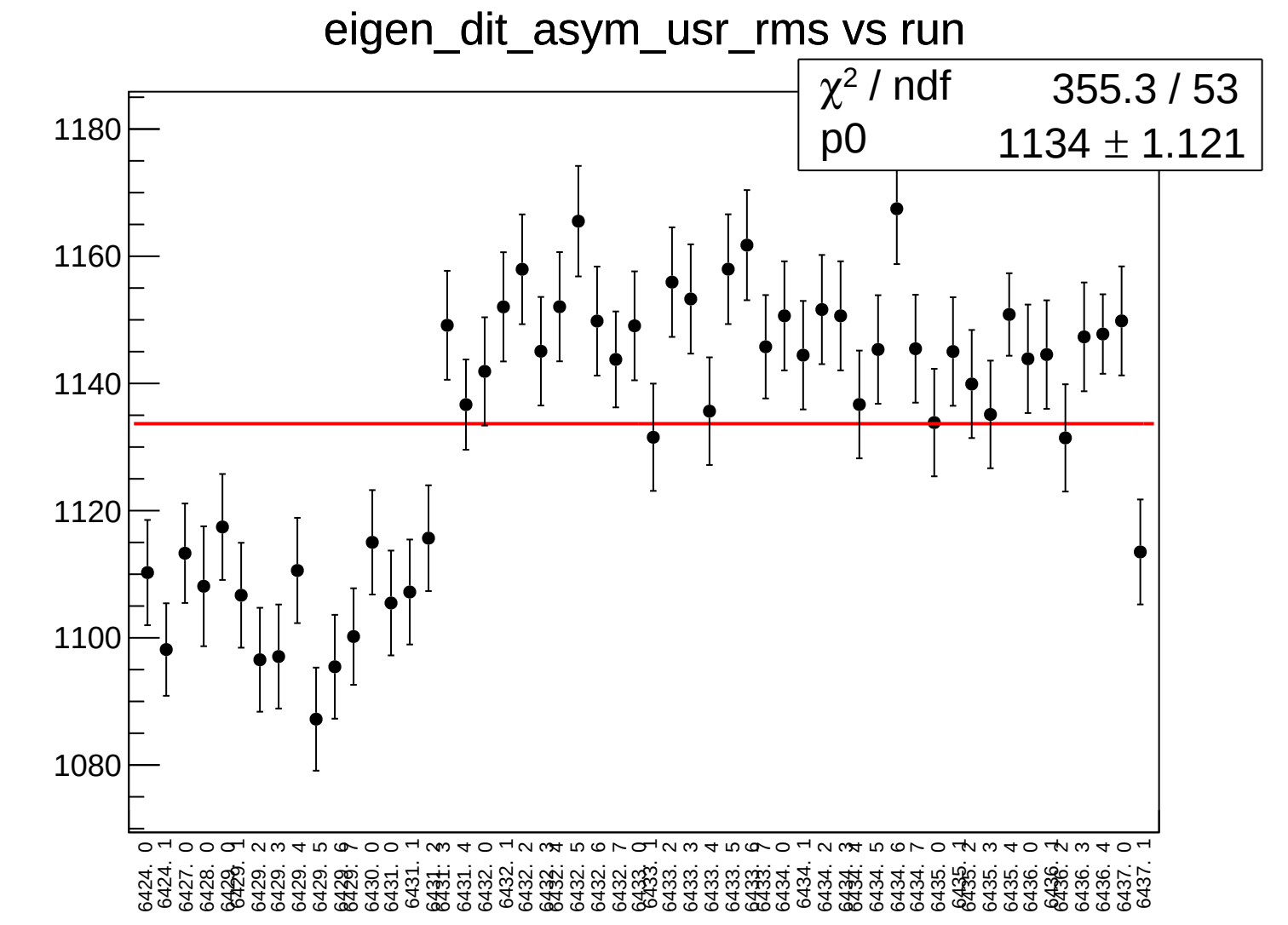

dit_asym_usr_rms vs run
χ² / ndf 355.3 / 53
p0 1134 ± 1.121
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

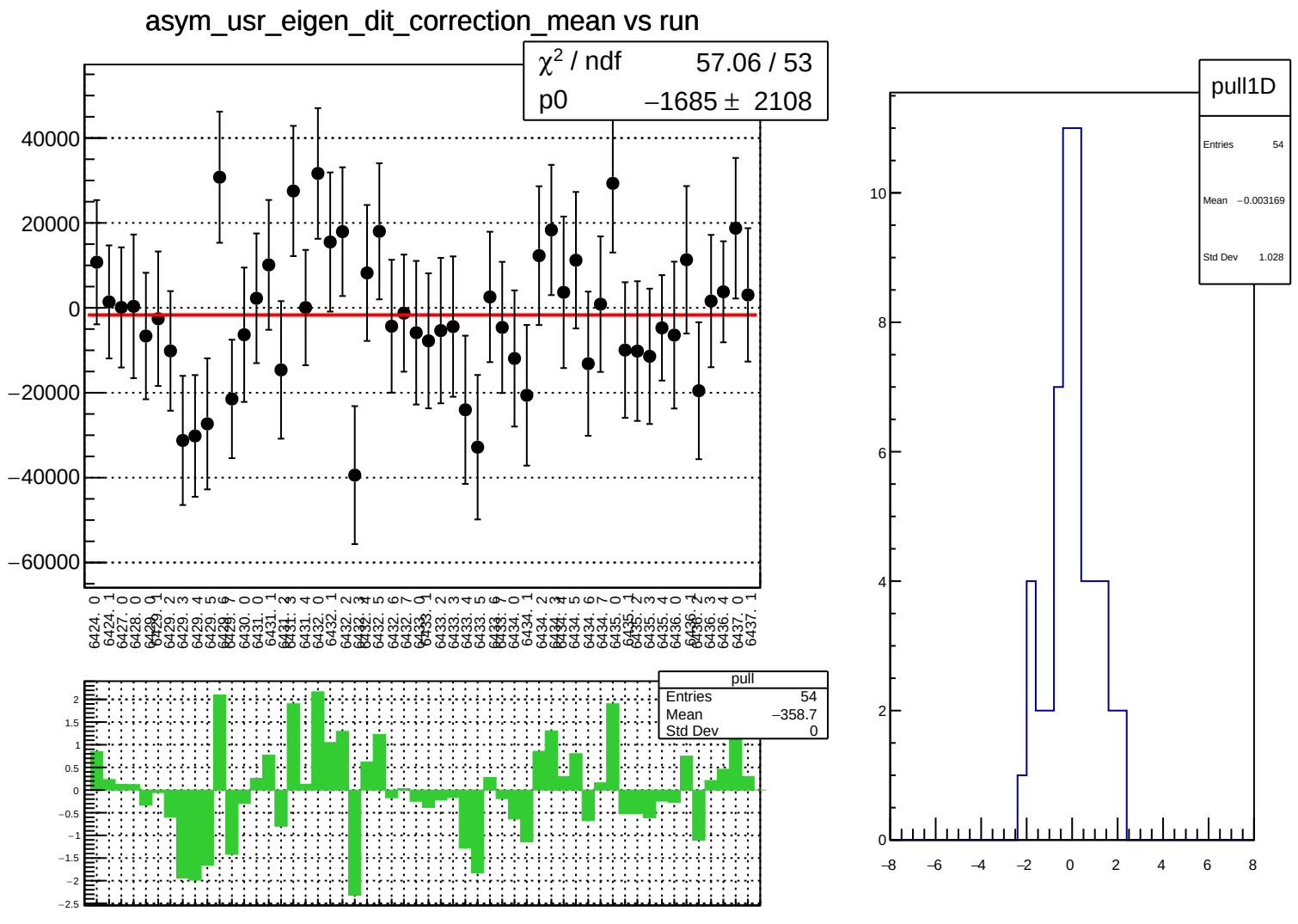

asym_usr_dit_correction_mean vs run
χ² / ndf 57.06 / 53
p0 −1685 ± 2108
40000
20000
0
−20000
−40000
−60000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −358.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean −0.003169
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

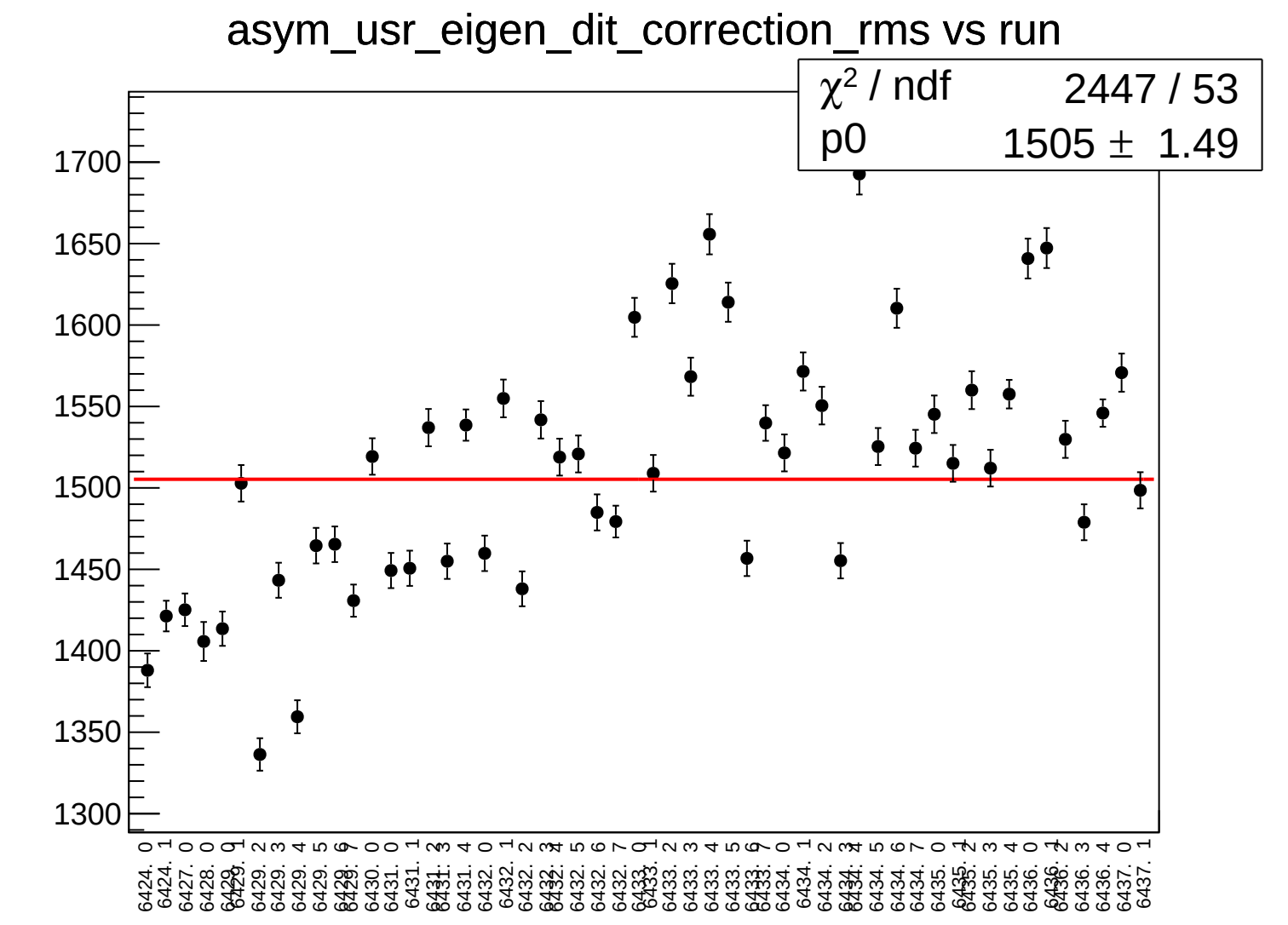

asym_usr_dit_correction_rms vs run
χ² / ndf 2447 / 53
p0 1505 ± 1.49
1700
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

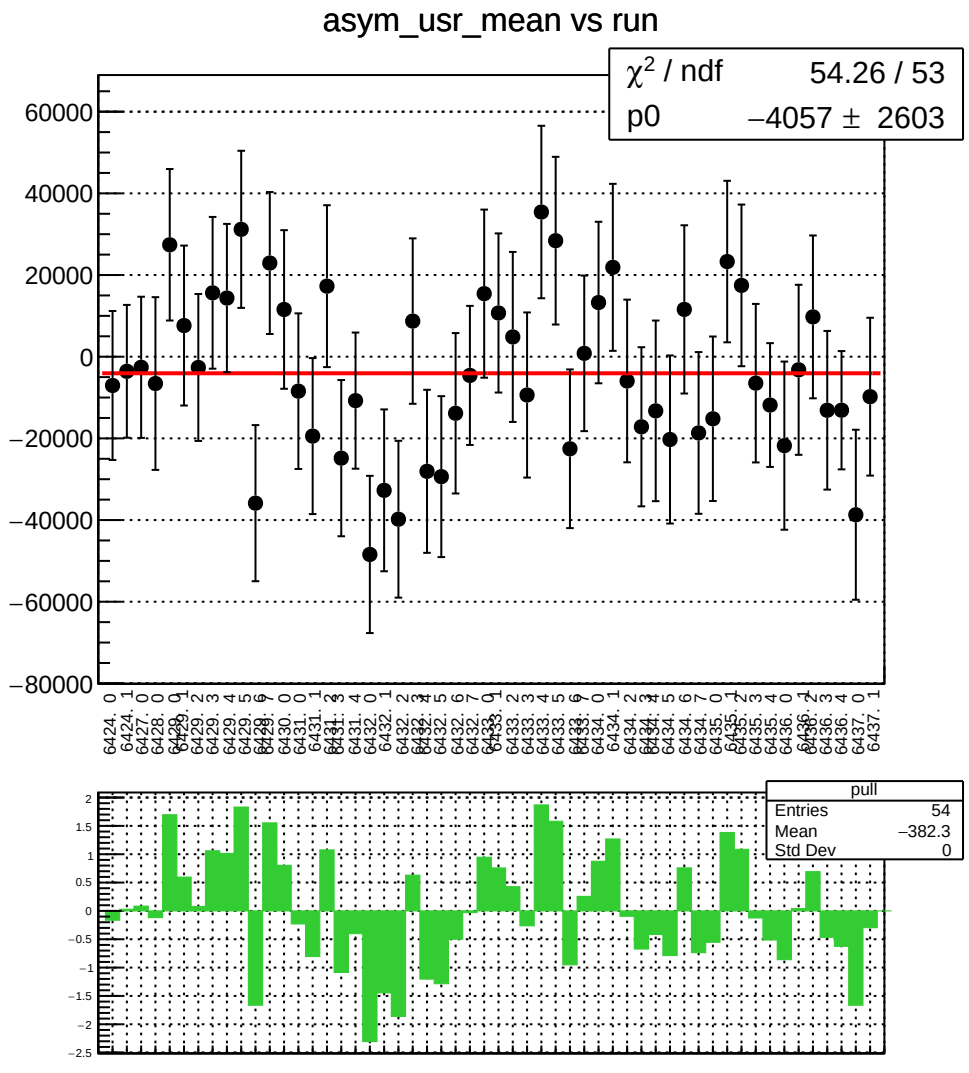

eigen_dit_asym_usr_mean vs run
χ² / ndf 47.4 / 53
p0 −5763 ± 1586
pull
Entries 54
Mean −353.5
Std Dev 0

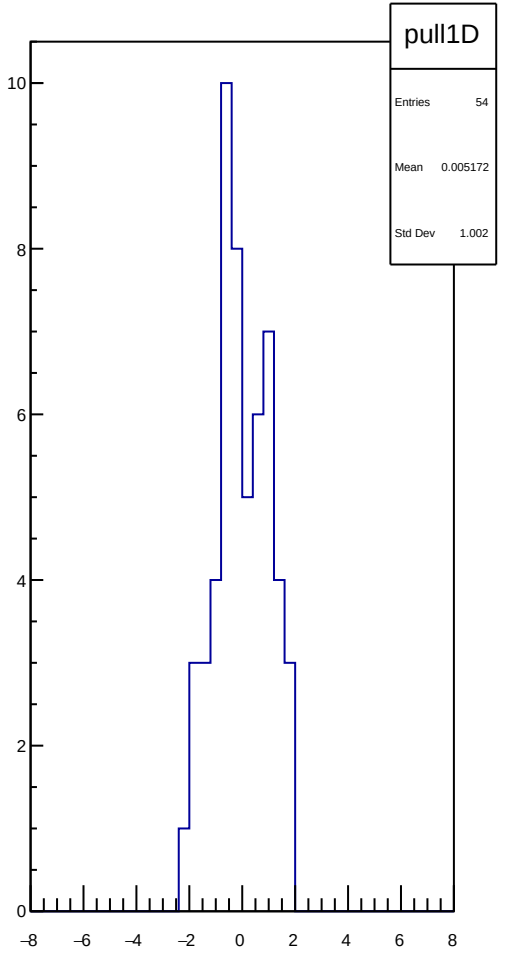

pull1D
Entries 54
Mean 0.005009
Std Dev 0.9369

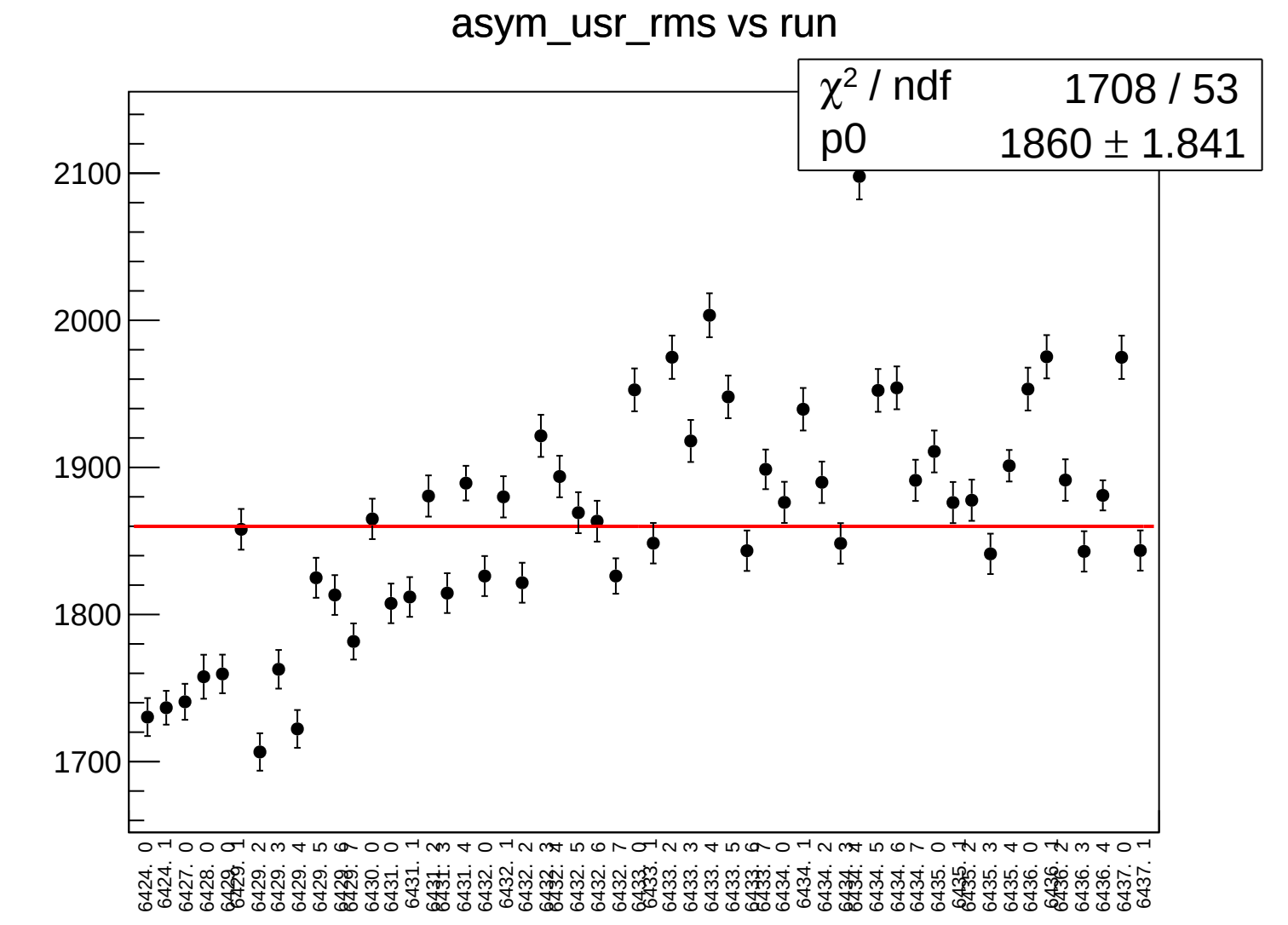

eigen_dit_asym_usr_rms vs run
χ² / ndf 355.3 / 53
p0 1134 ± 1.121
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

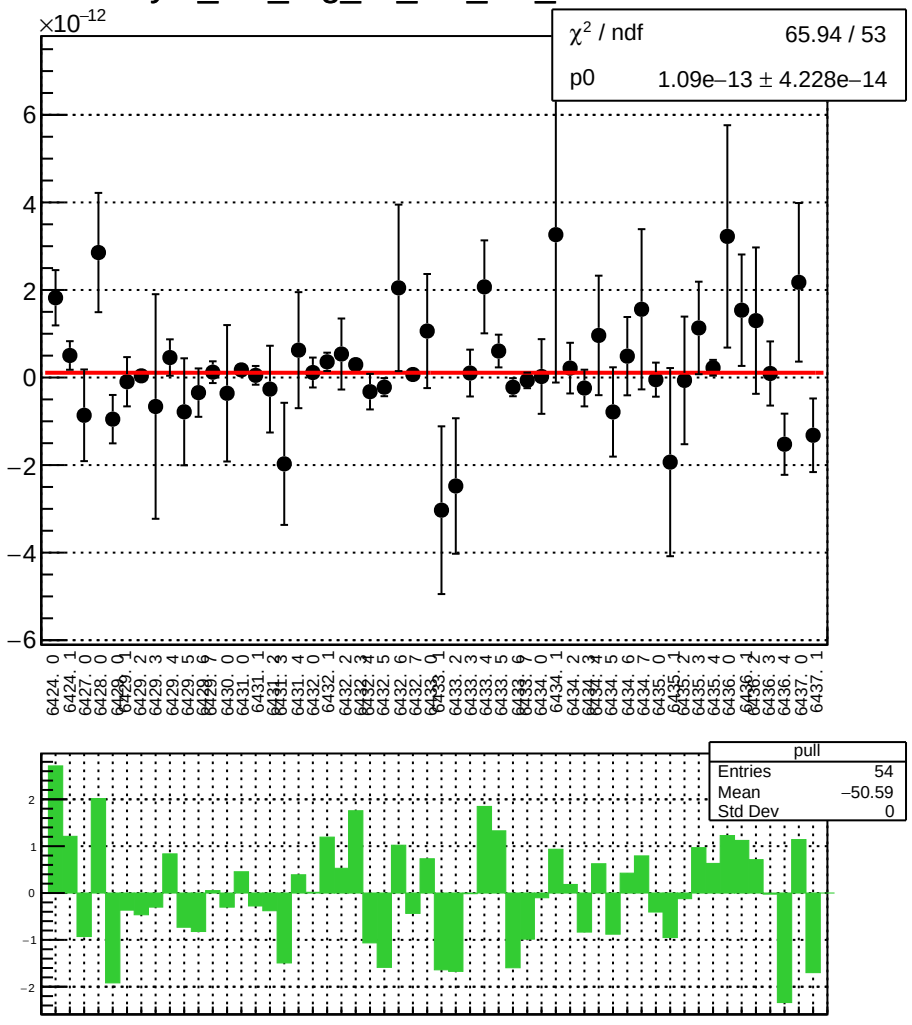

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 57.06 / 53
p0 −1685 ± 2108
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −358.7
Std Dev 0
pull1D
Entries 54
Mean −0.003169
Std Dev 1.028

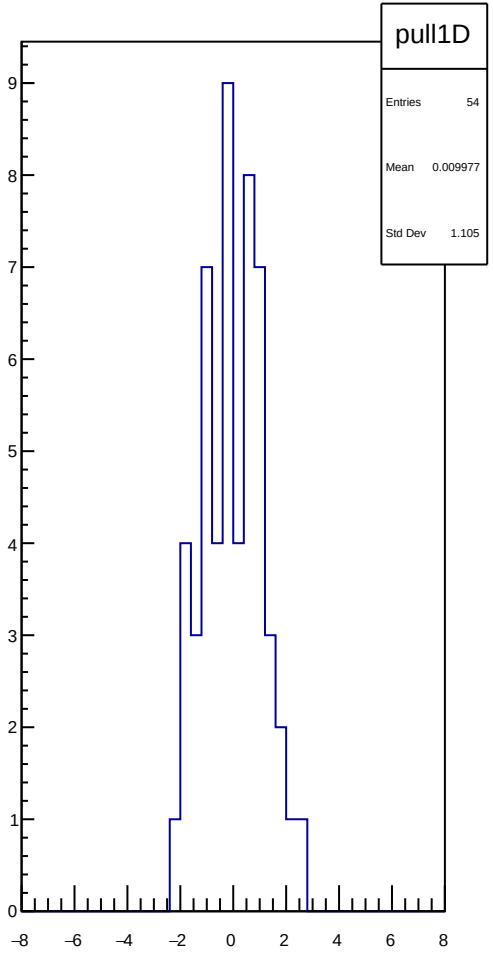

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2447 / 53
p0 1505 ± 1.49
1700
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

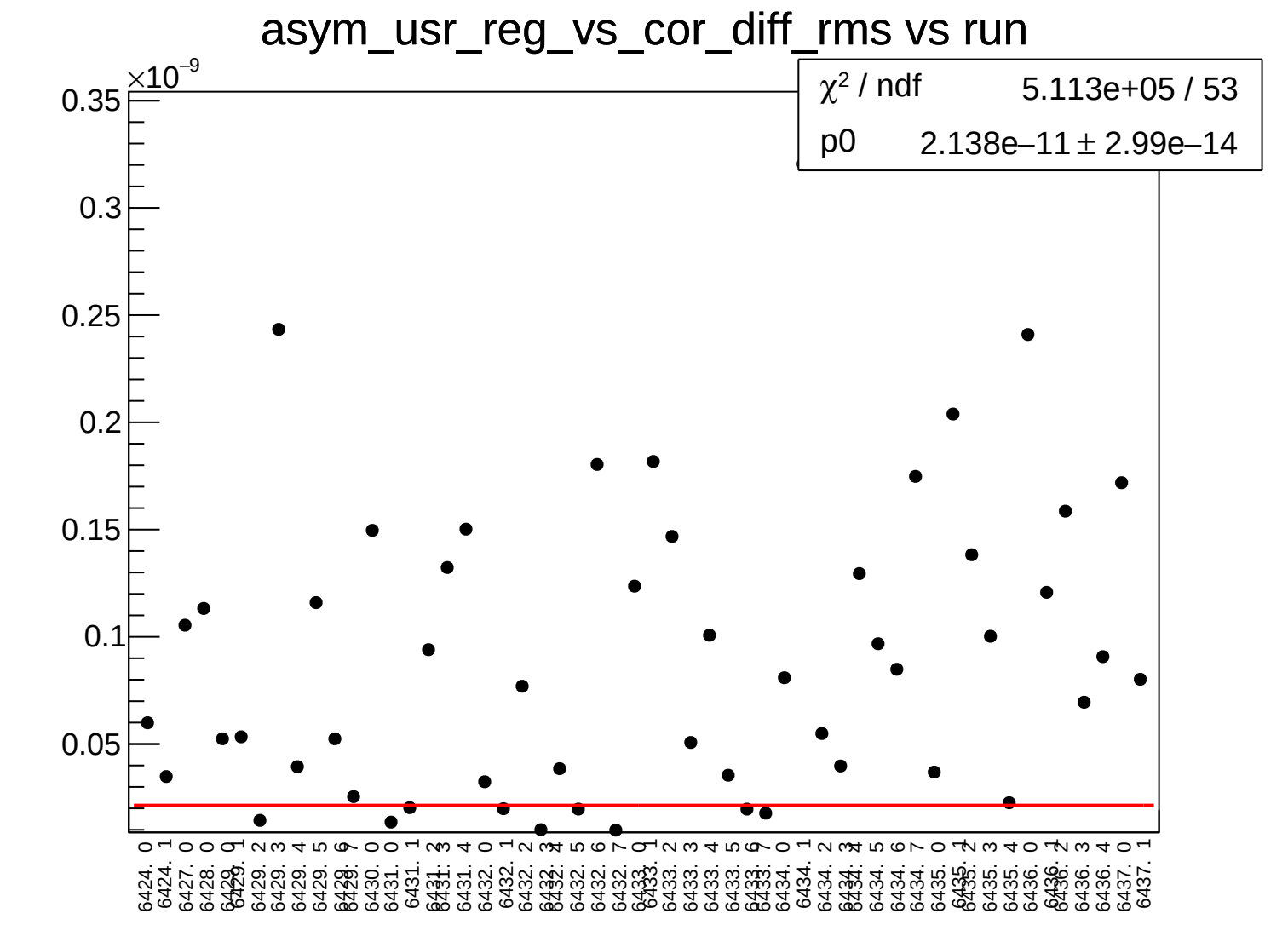

asym_usr_mean vs run
χ² / ndf 54.26 / 53
p0 −4057 ± 2603
pull
Entries 54
Mean −382.3
Std Dev 0

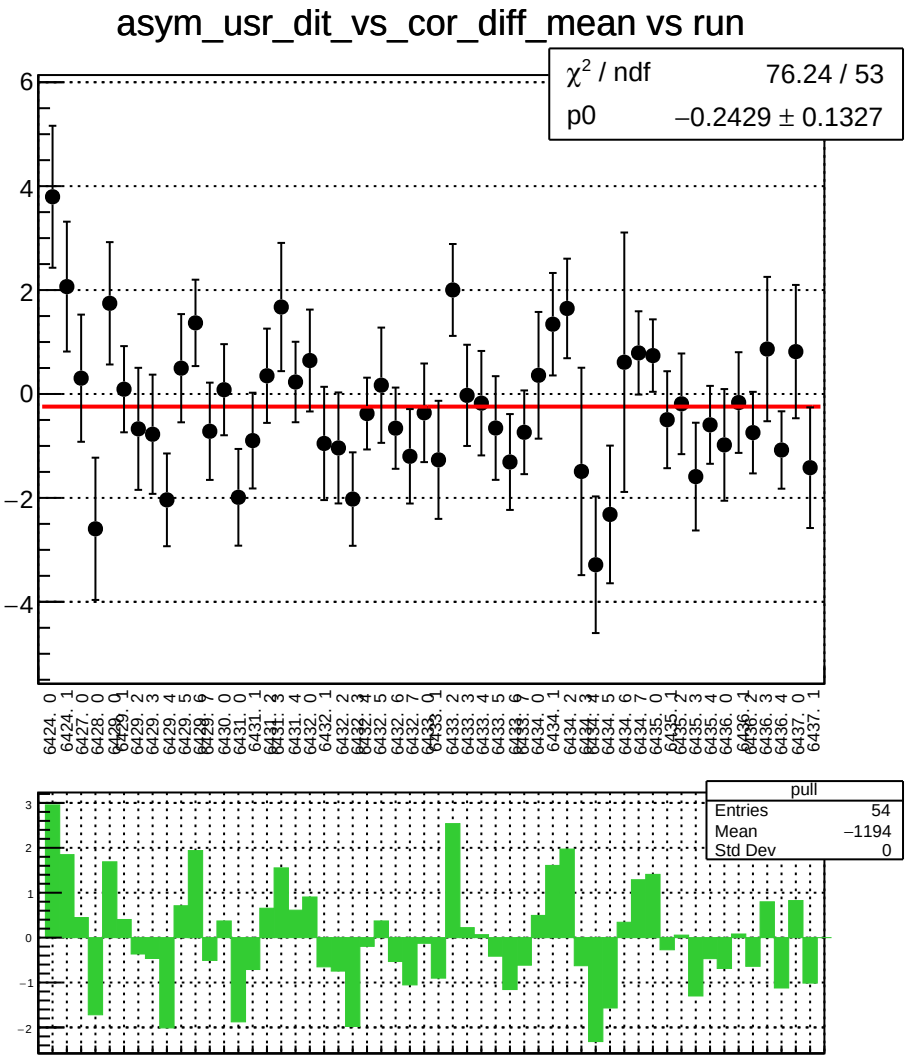

pull1D
Entries 54
Mean 0.005172
Std Dev 1.002

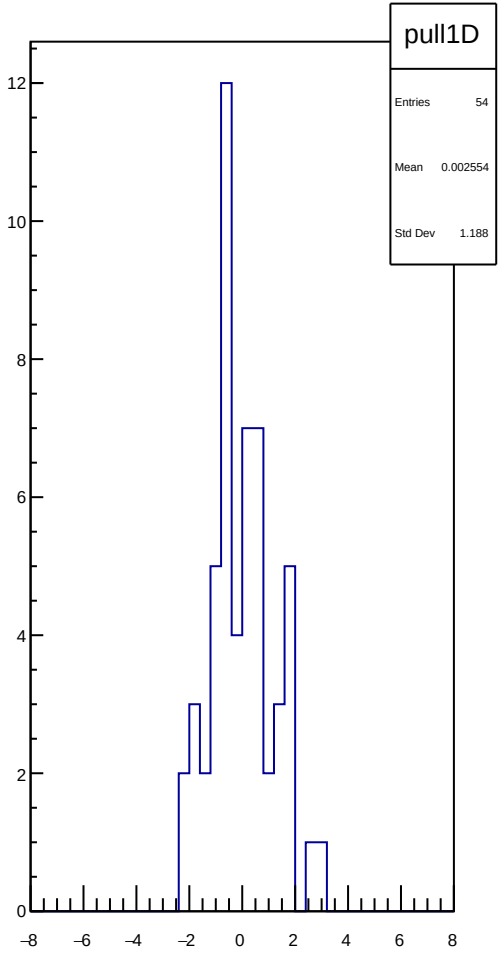

asym_usr_rms vs run
χ² / ndf 1708 / 53
p0 1860 ± 1.841
2100
2000
1900
1800
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

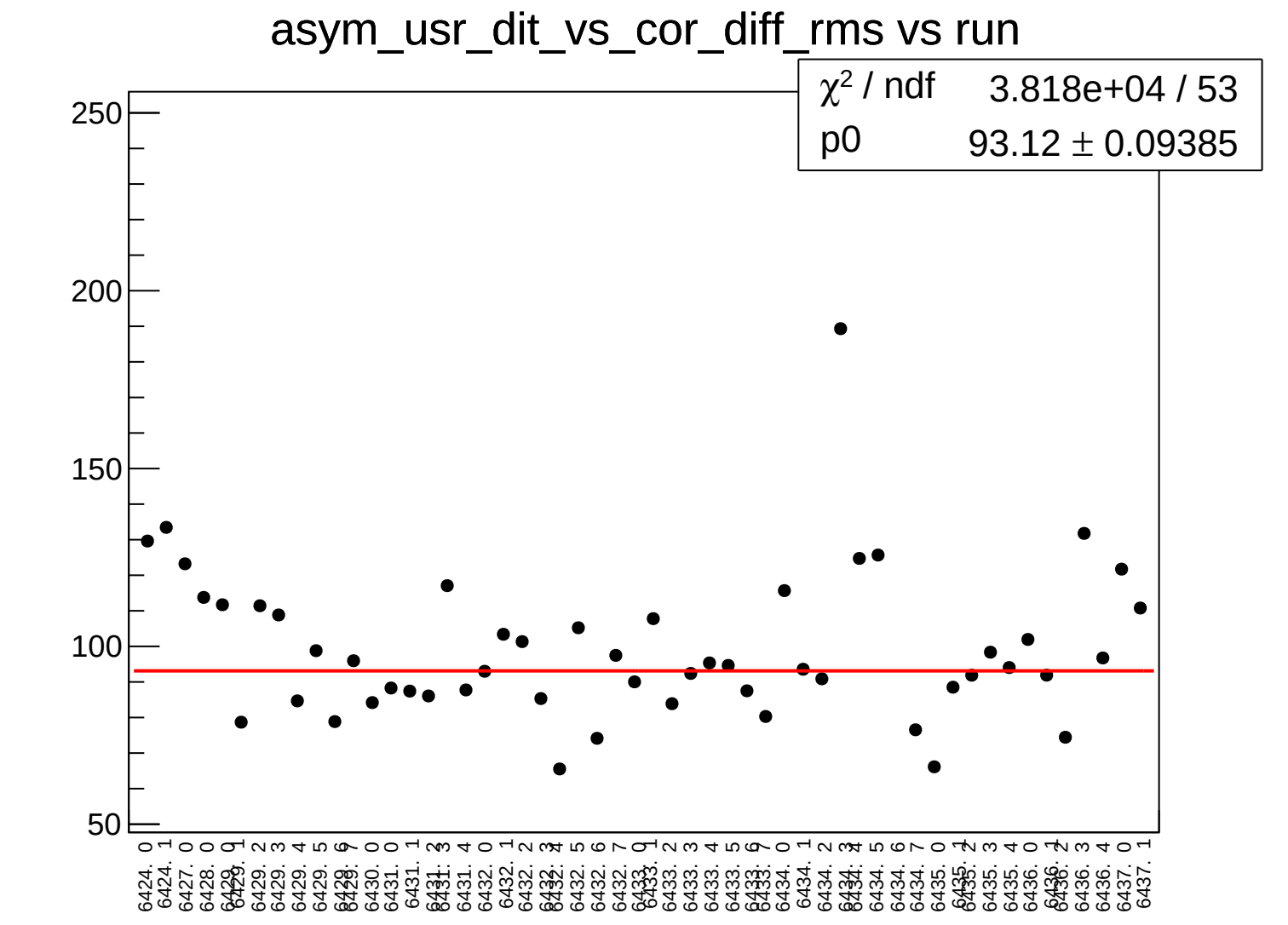

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.94 / 53
p0 1.09e−13 ± 4.228e−14
pull
Entries 54
Mean −50.59
Std Dev 0

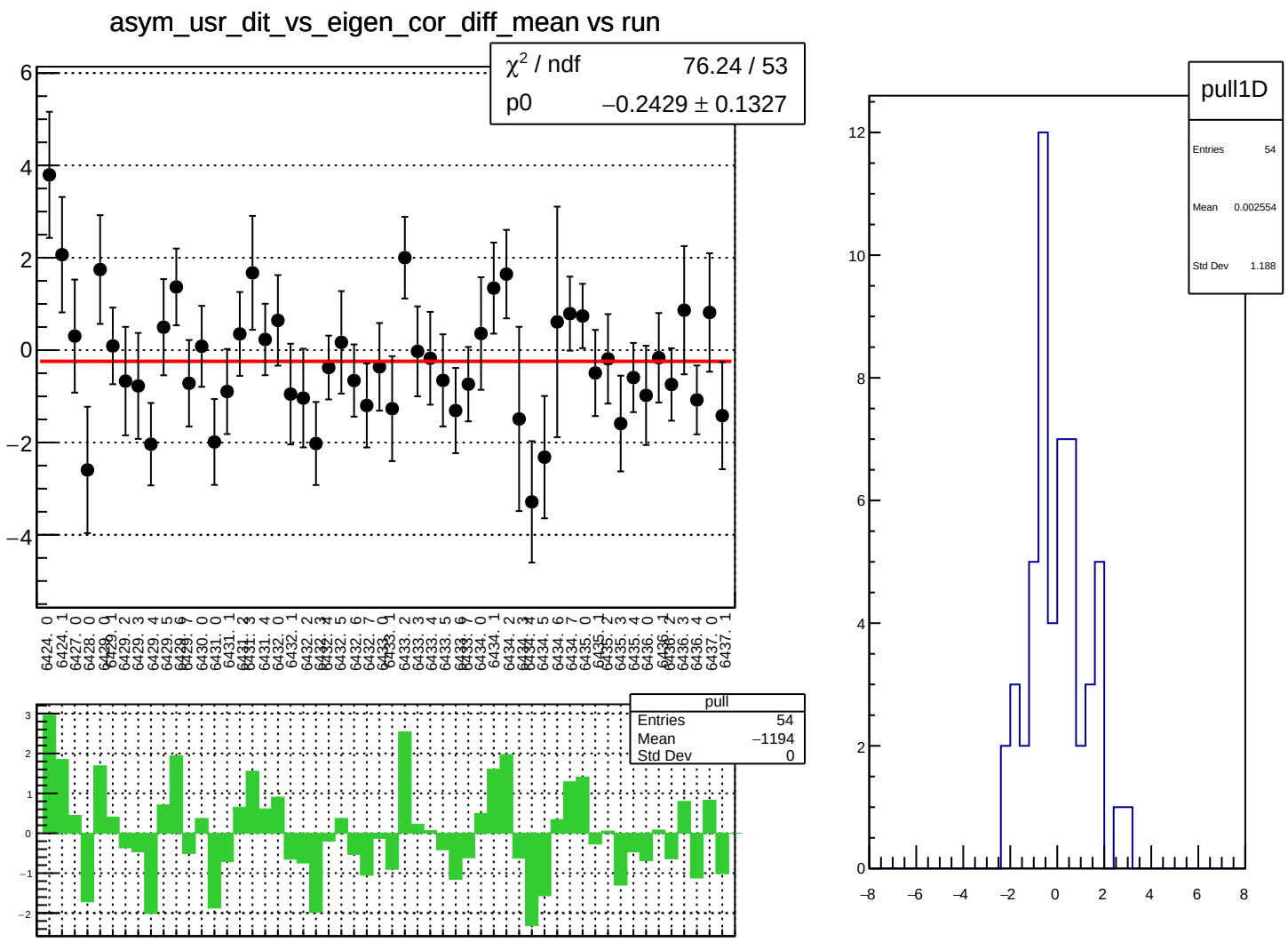

pull1D
Entries 54
Mean 0.009977
Std Dev 1.105

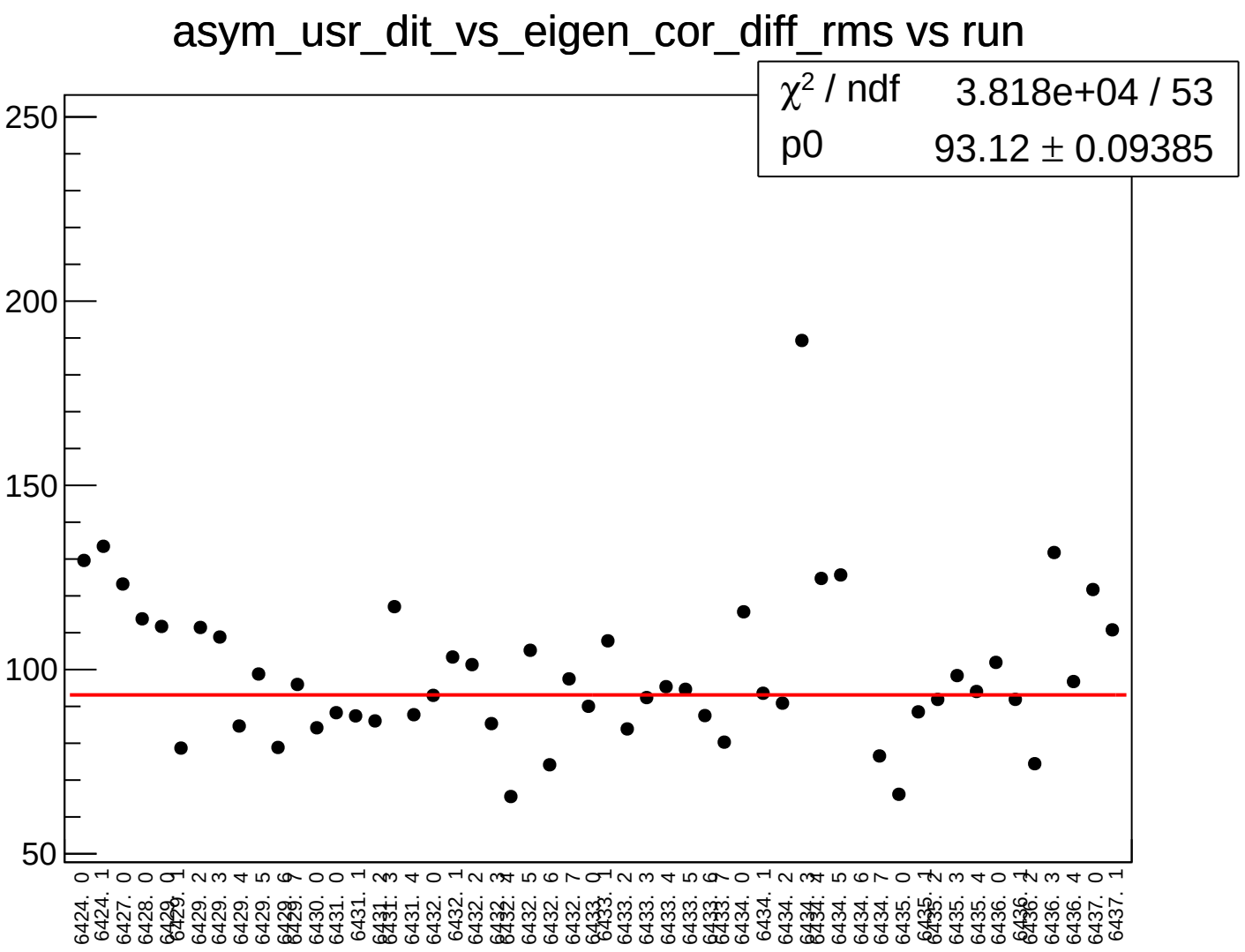

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.113e+05 / 53
p0 2.138e−11 ± 2.99e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

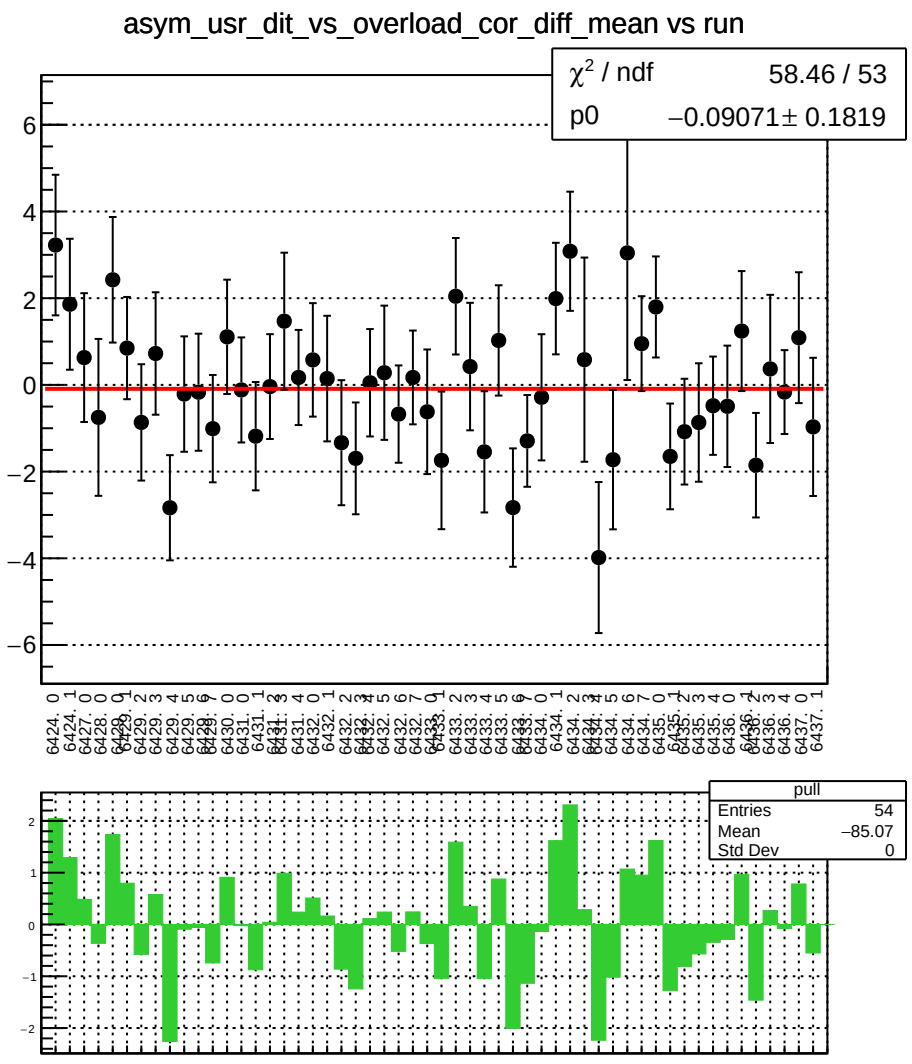

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 76.24 / 53
p0 −0.2429 ± 0.1327
pull
Entries 54
Mean −1194
Std Dev 0

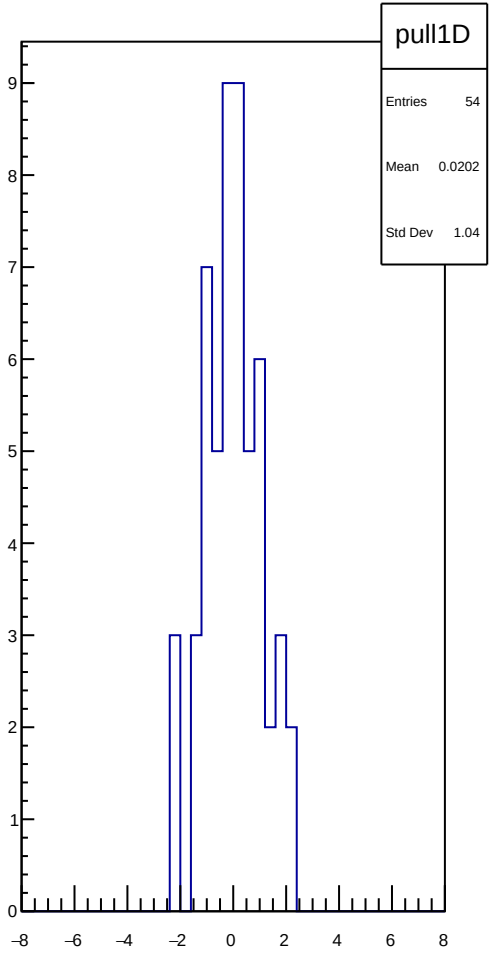

pull1D
Entries 54
Mean 0.002554
Std Dev 1.188

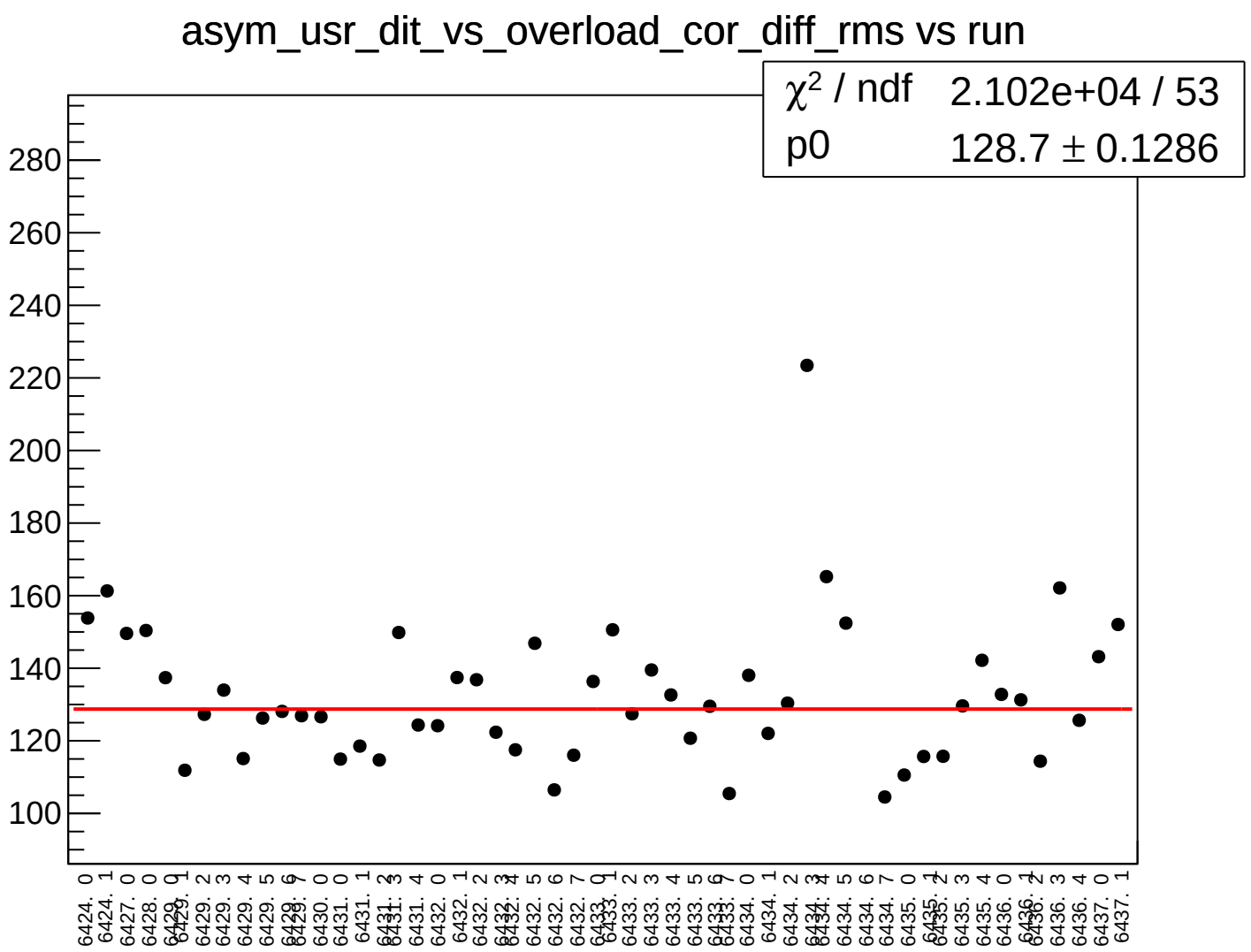

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 3.818e+04 / 53
p0 93.12 ± 0.09385
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

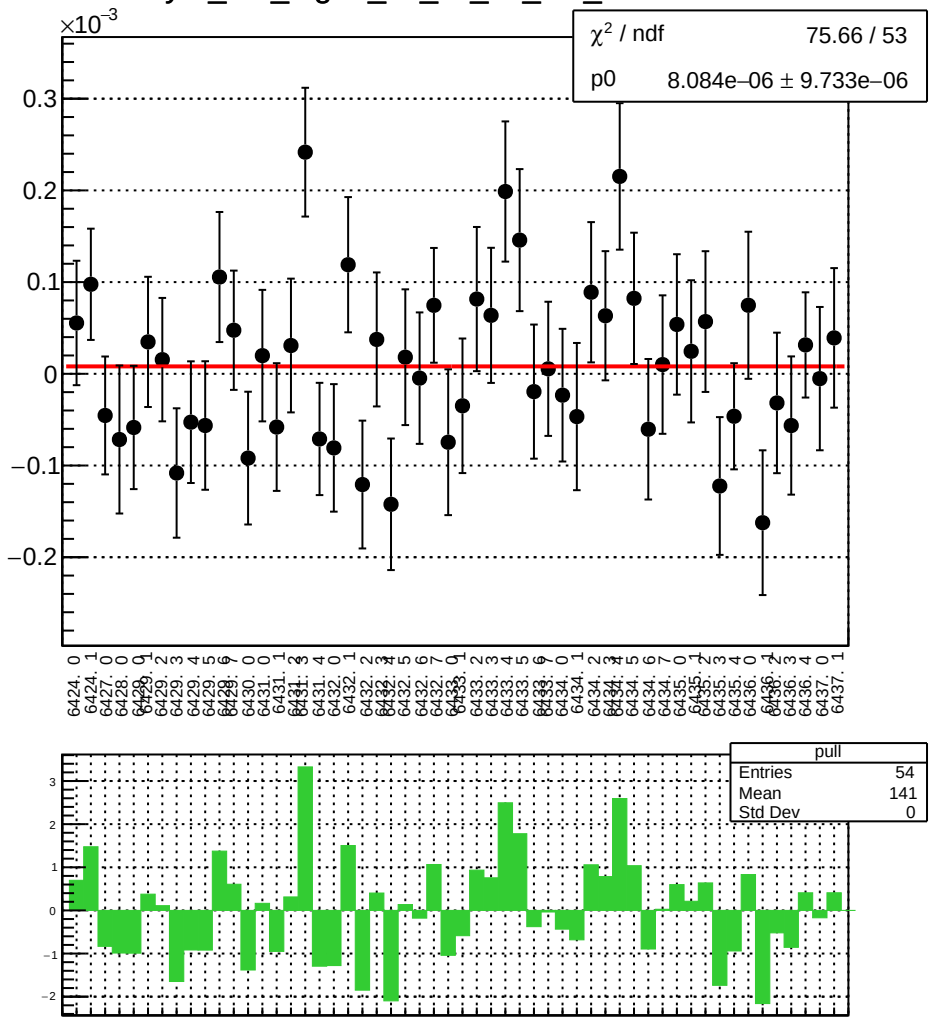

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.24 / 53
p0 −0.2429 ± 0.1327
pull
Entries 54
Mean −1194
Std Dev 0
pull1D
Entries 54
Mean 0.002554
Std Dev 1.188

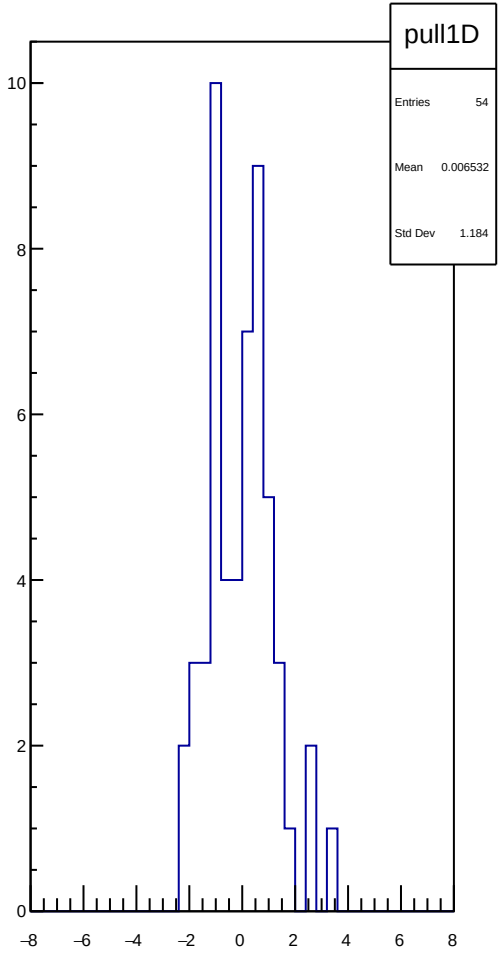

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.818e+04 / 53
p0 93.12 ± 0.09385
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

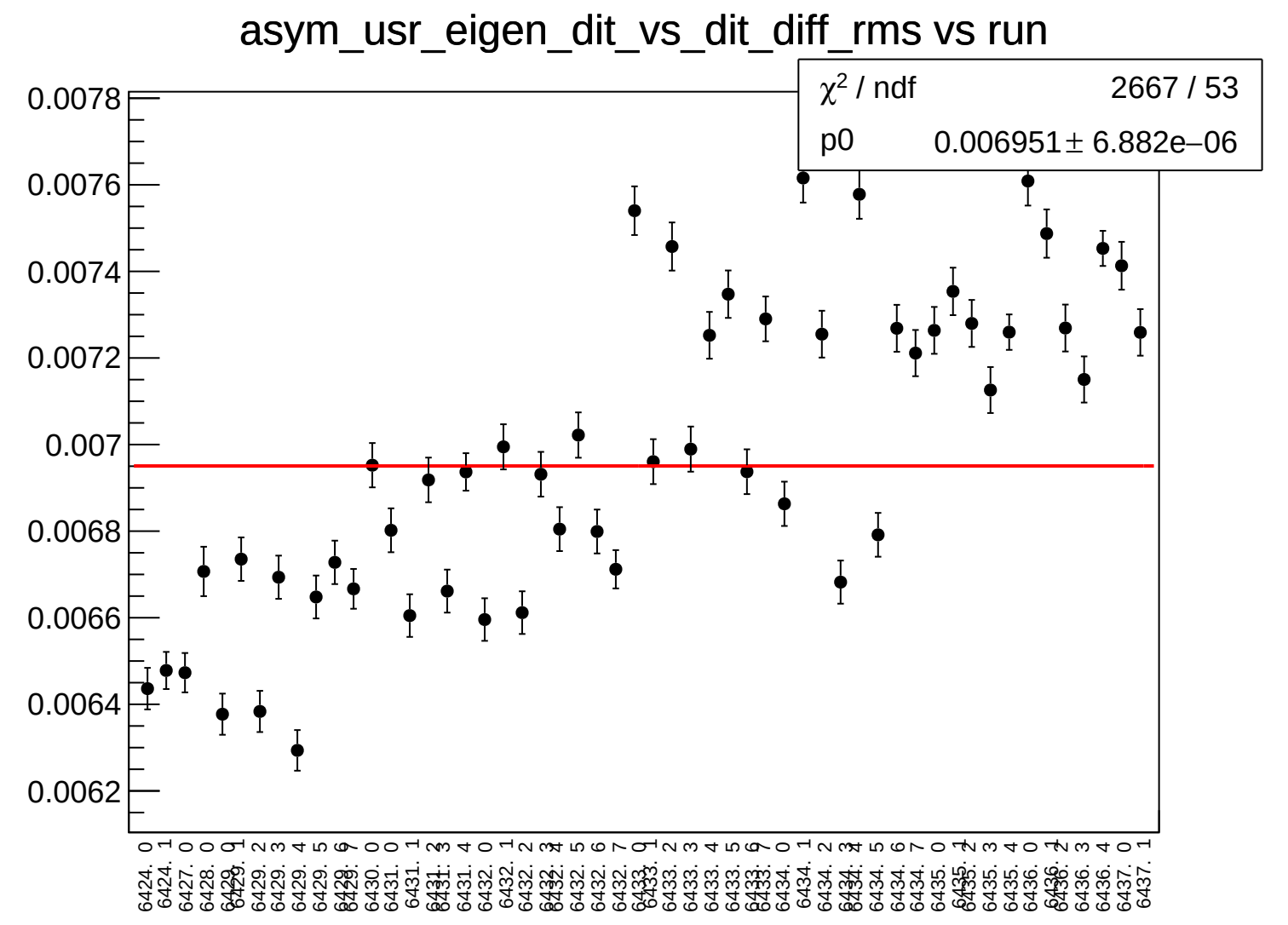

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 58.46 / 53
p0 −0.09071± 0.1819
pull
Entries 54
Mean −85.07
Std Dev 0

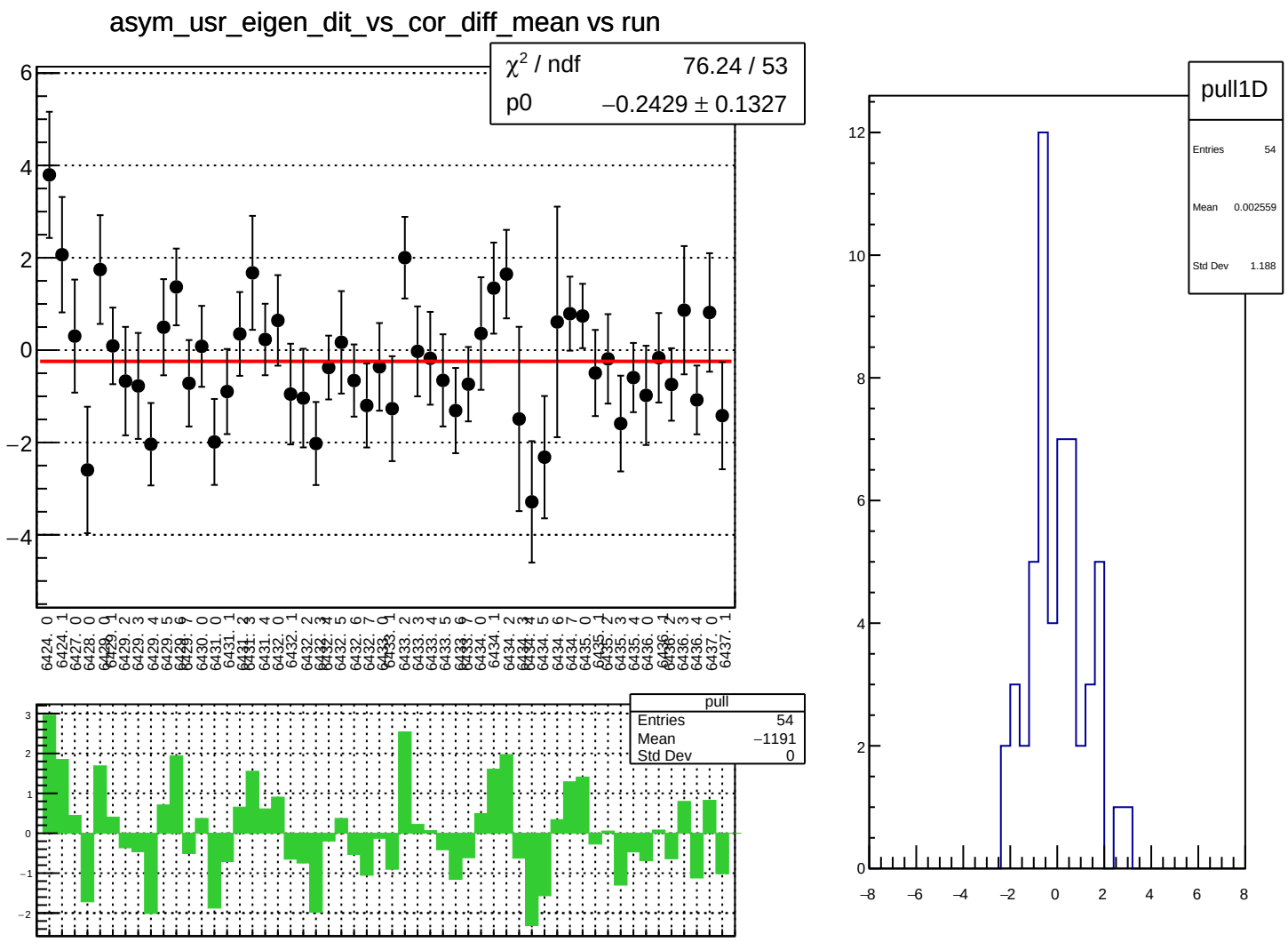

pull1D
Entries 54
Mean 0.0202
Std Dev 1.04

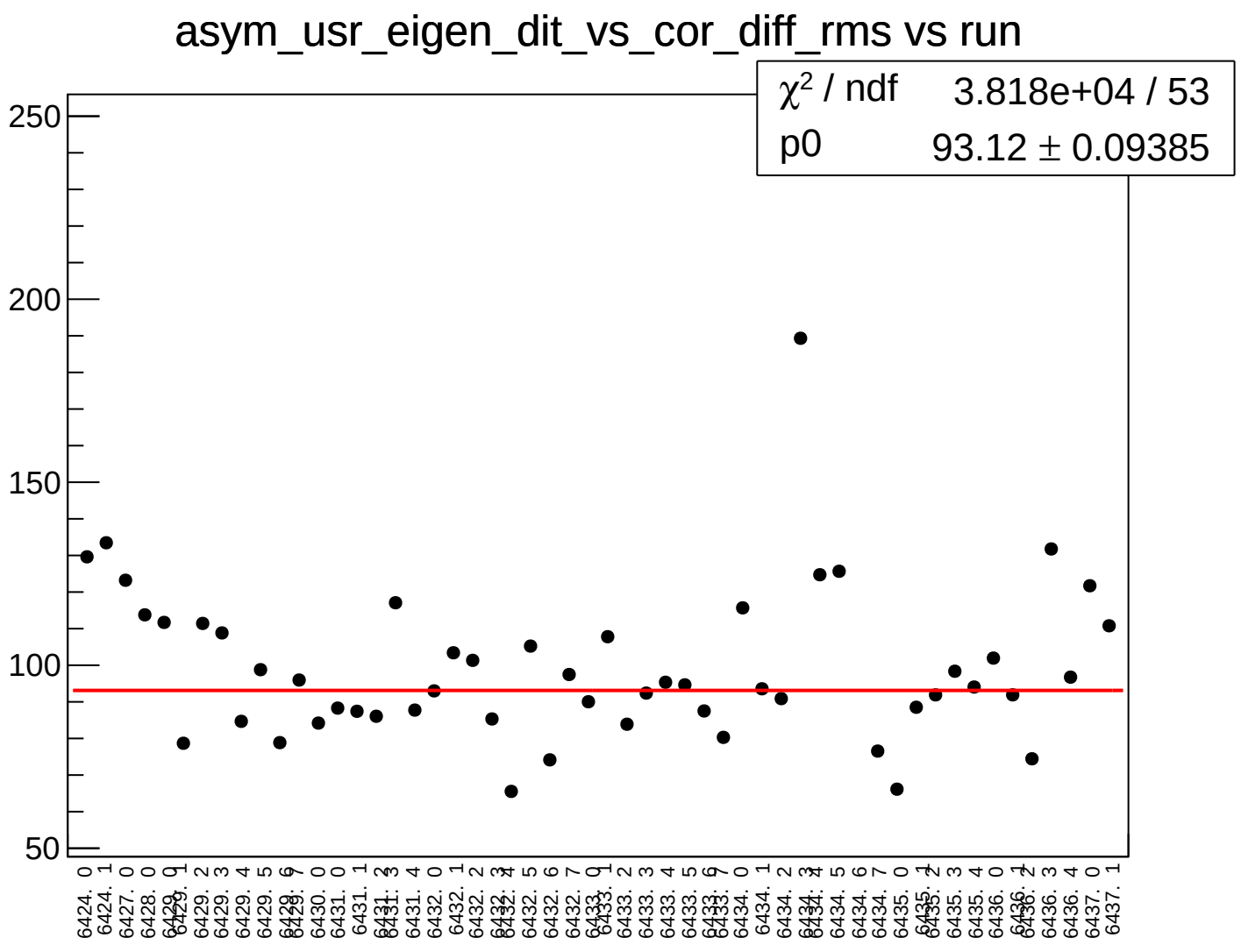

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.102e+04 / 53
p0 128.7 ± 0.1286
280
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

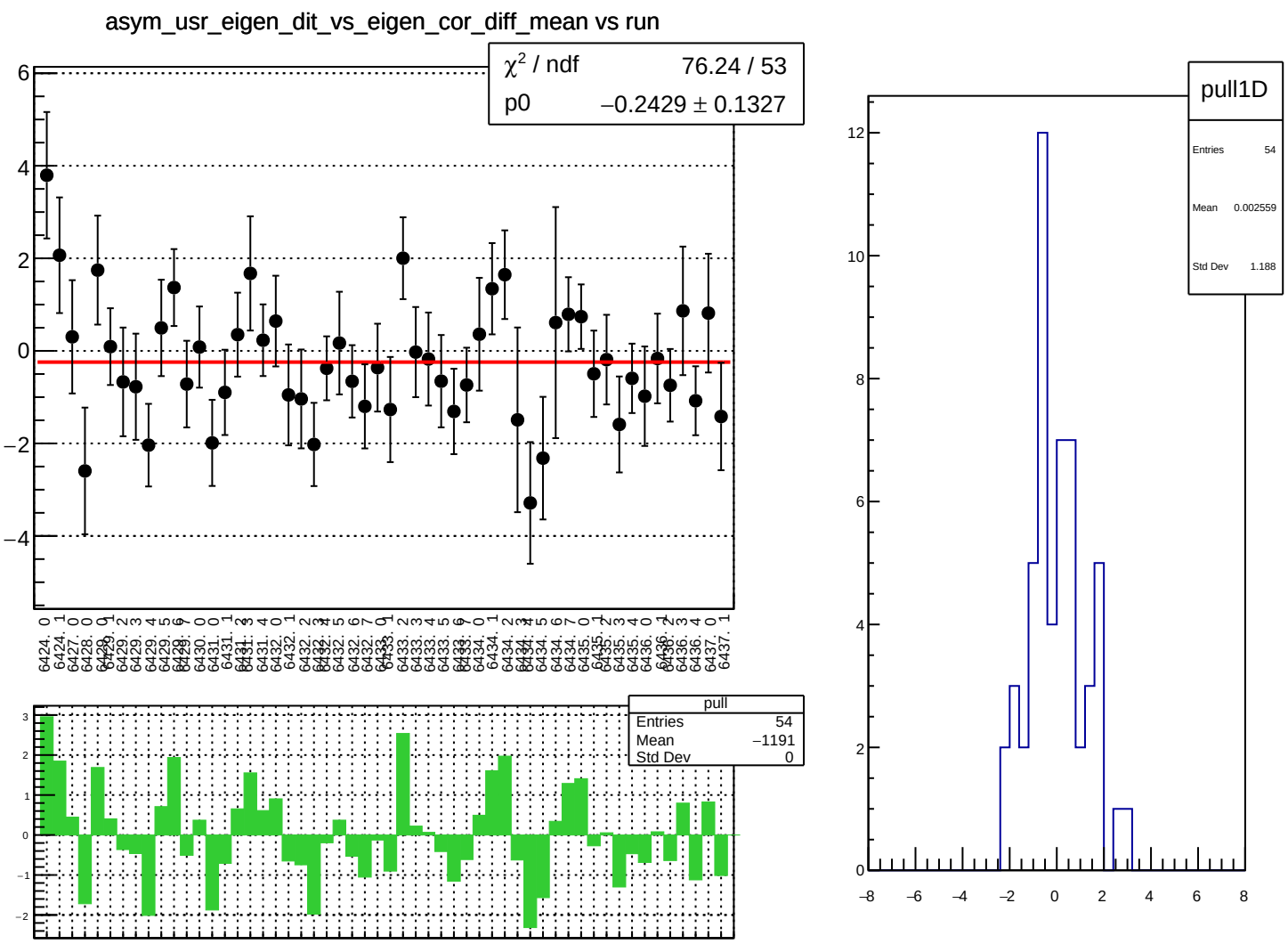

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.66 / 53
p0 8.084e−06 ± 9.733e−06
pull
Entries 54
Mean 141
Std Dev 0

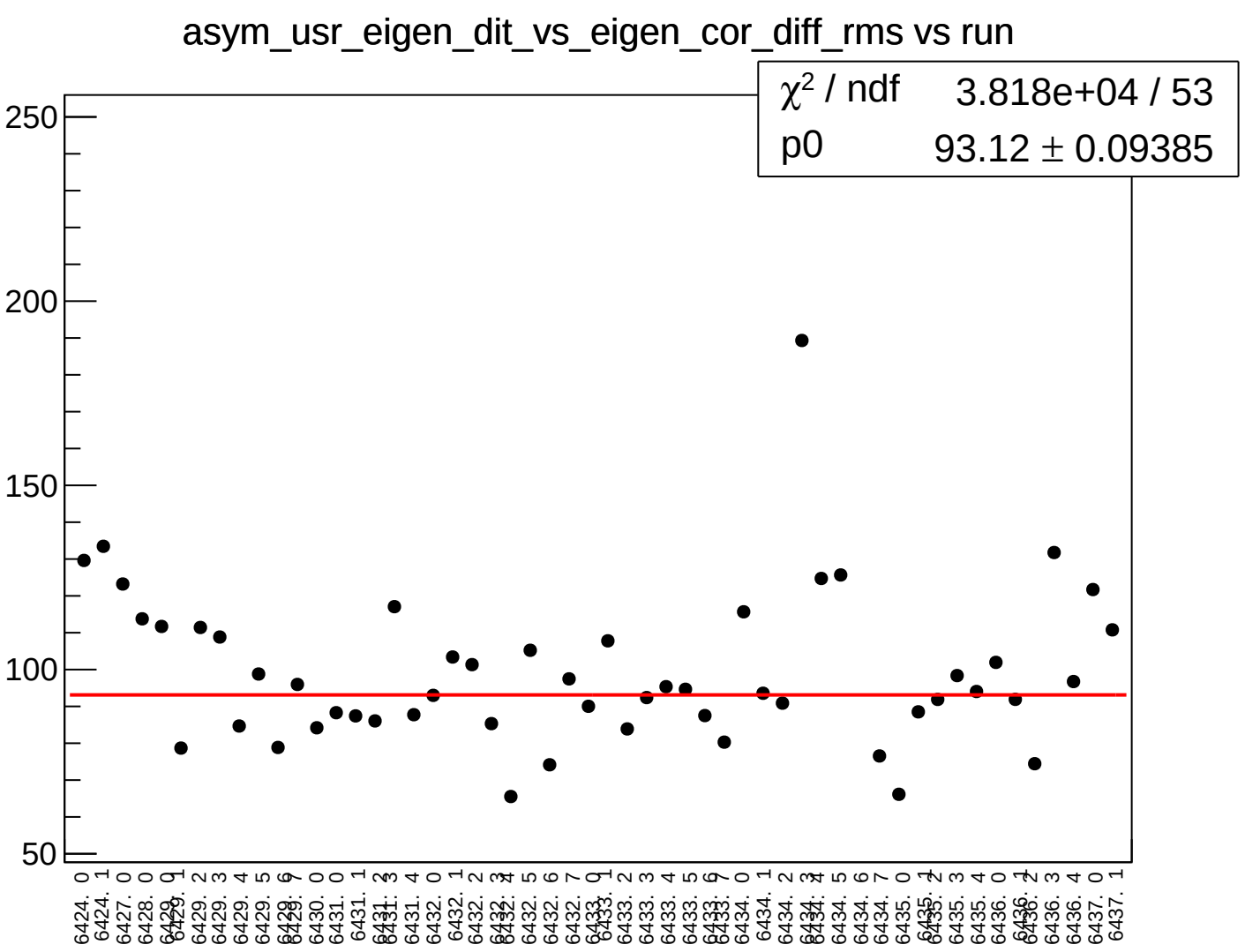

pull1D
Entries 54
Mean 0.006532
Std Dev 1.184

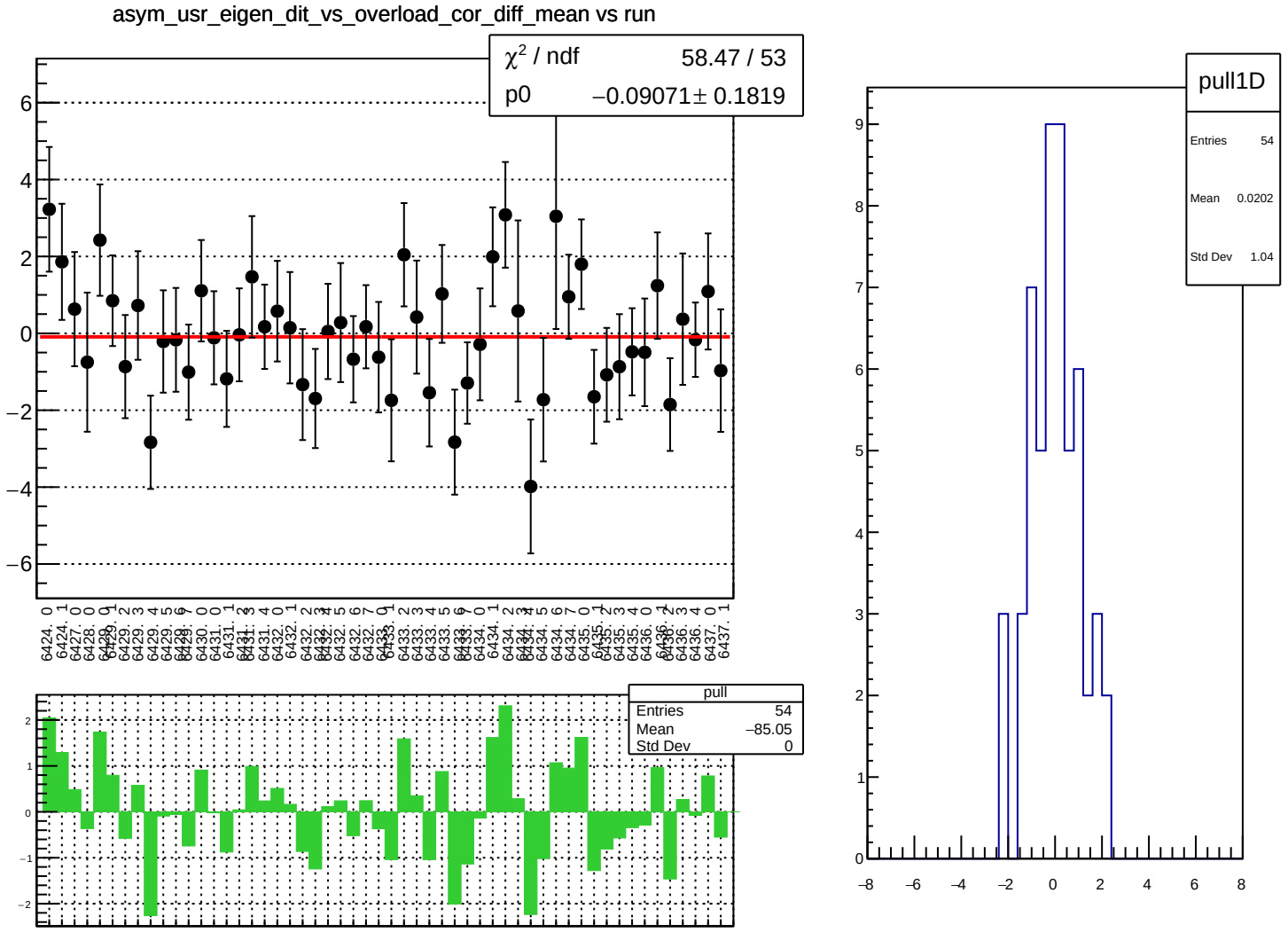

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2667 / 53
p0 0.006951 ± 6.882e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

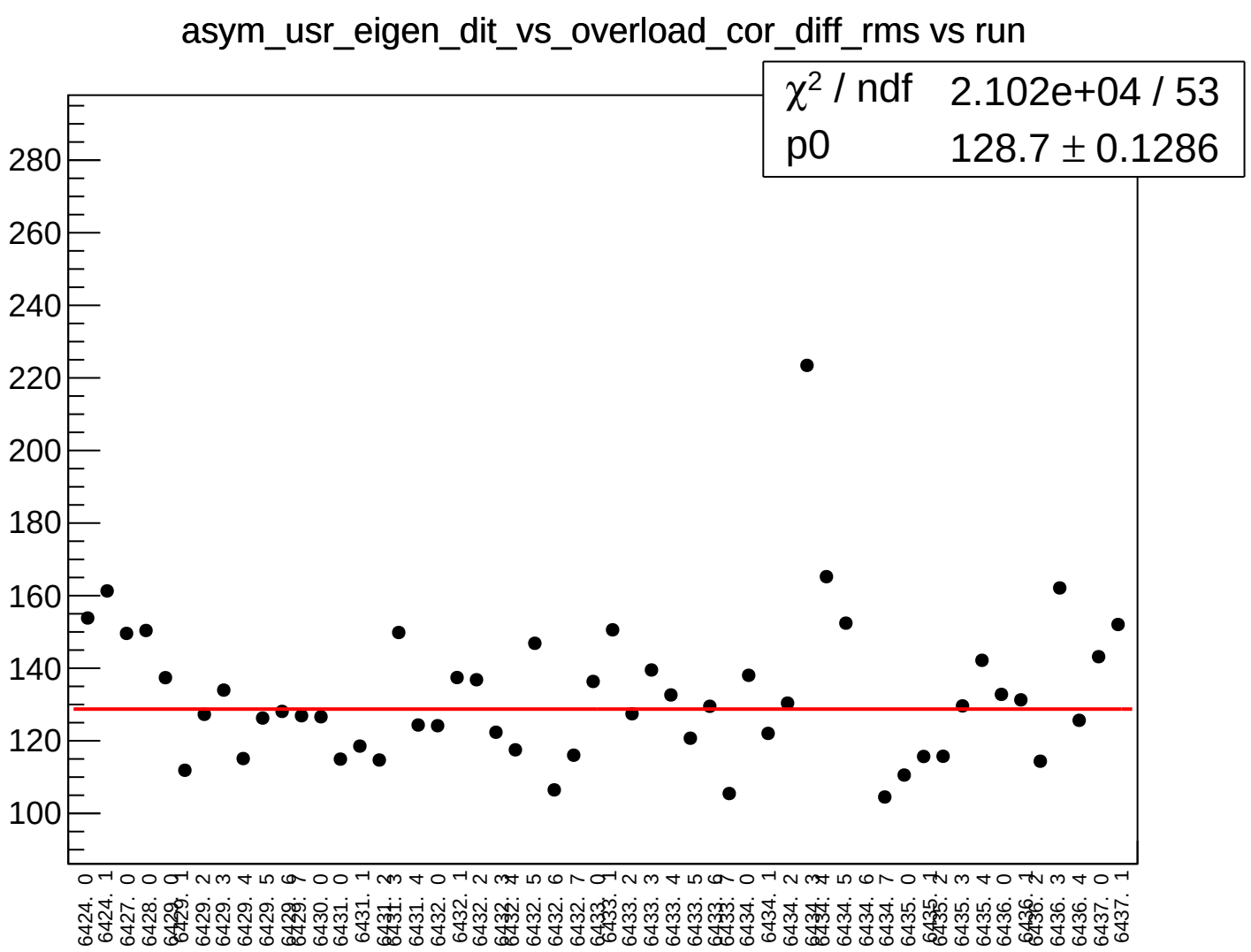

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.24 / 53
p0 −0.2429 ± 0.1327
pull
Entries 54
Mean −1191
Std Dev 0
pull1D
Entries 54
Mean 0.002559
Std Dev 1.188

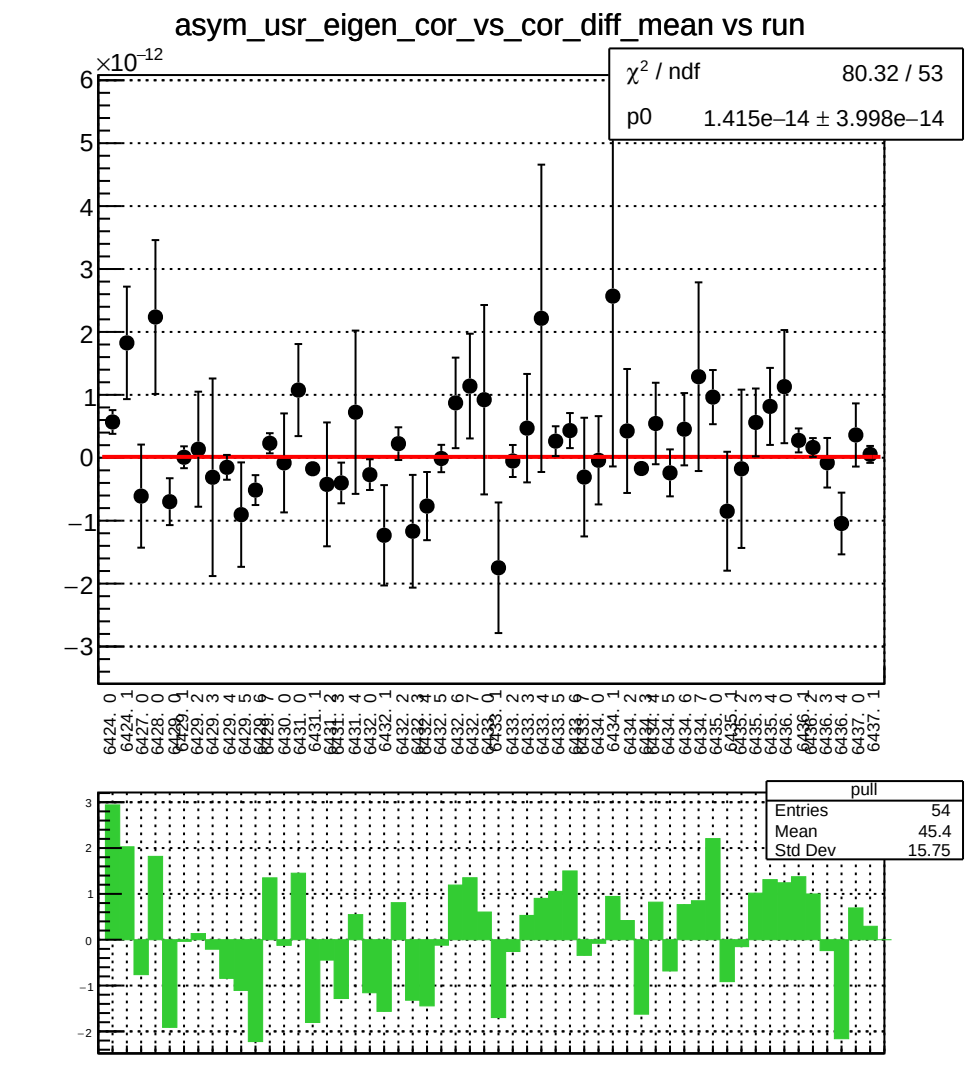

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.818e+04 / 53
p0 93.12 ± 0.09385
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

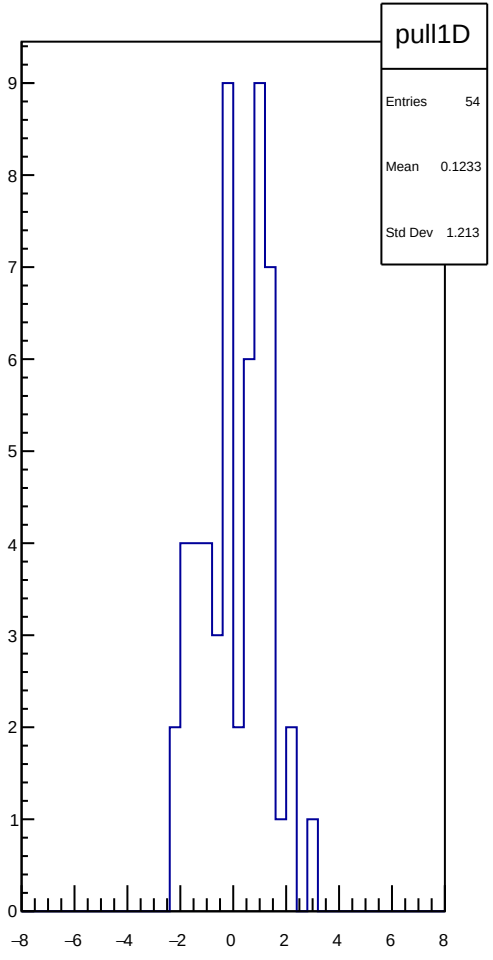

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.24 / 53
p0 −0.2429 ± 0.1327
pull
Entries 54
Mean −1191
Std Dev 0
pull1D
Entries 54
Mean 0.002559
Std Dev 1.188

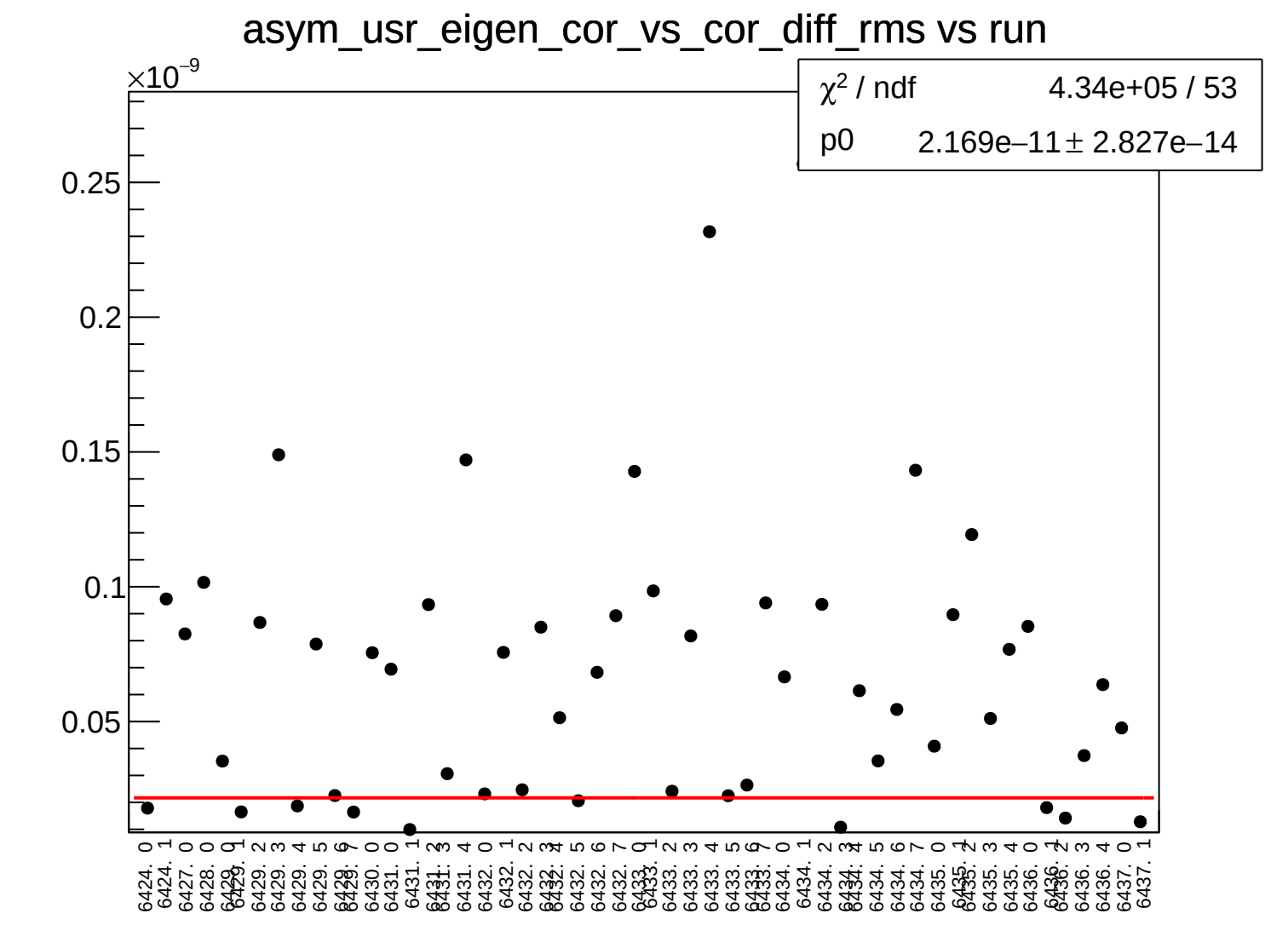

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.818e+04 / 53
p0 93.12 ± 0.09385
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

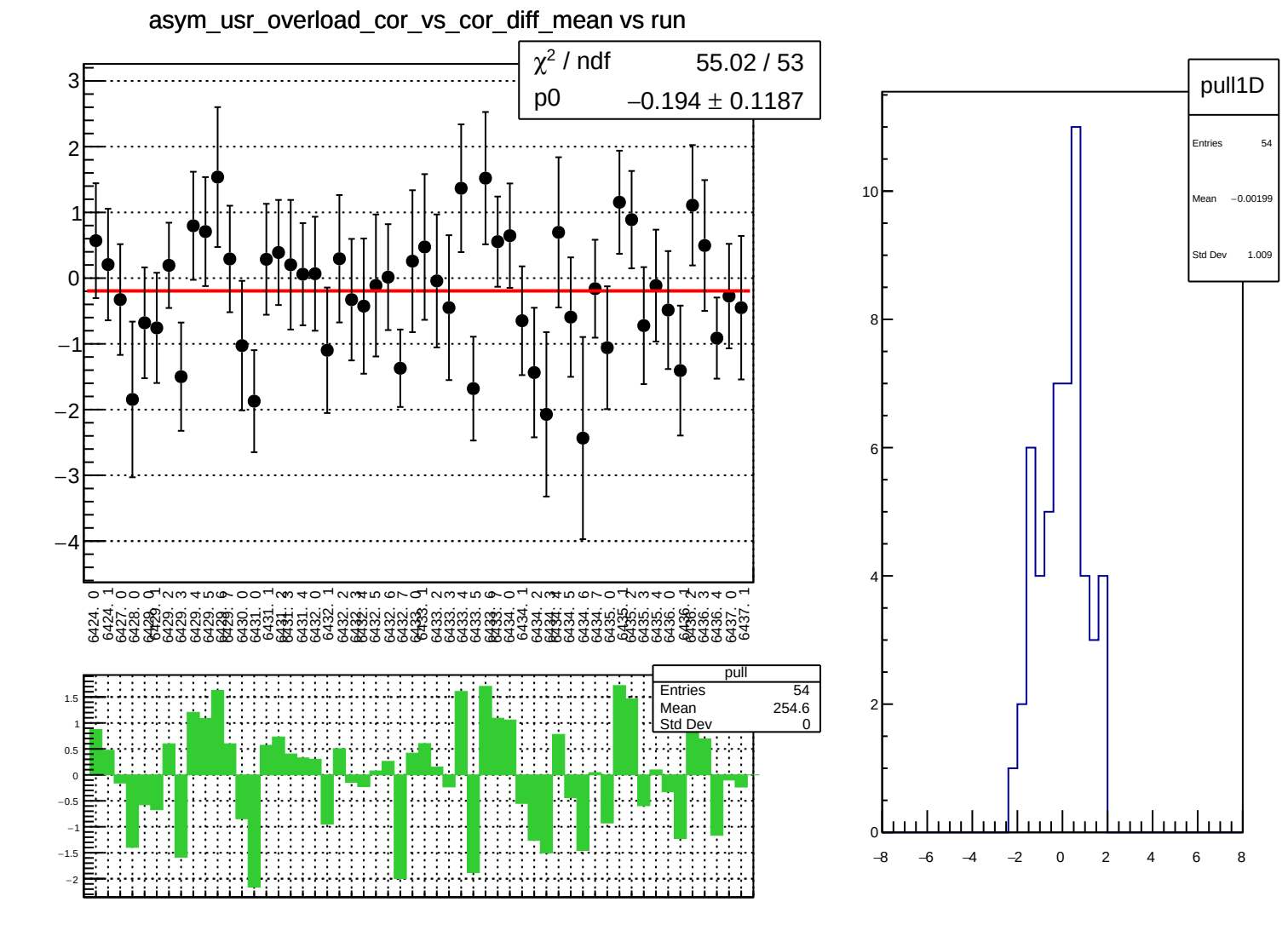

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 58.47 / 53
p0 −0.09071± 0.1819
pull
Entries 54
Mean −85.05
Std Dev 0
pull1D
Entries 54
Mean 0.0202
Std Dev 1.04

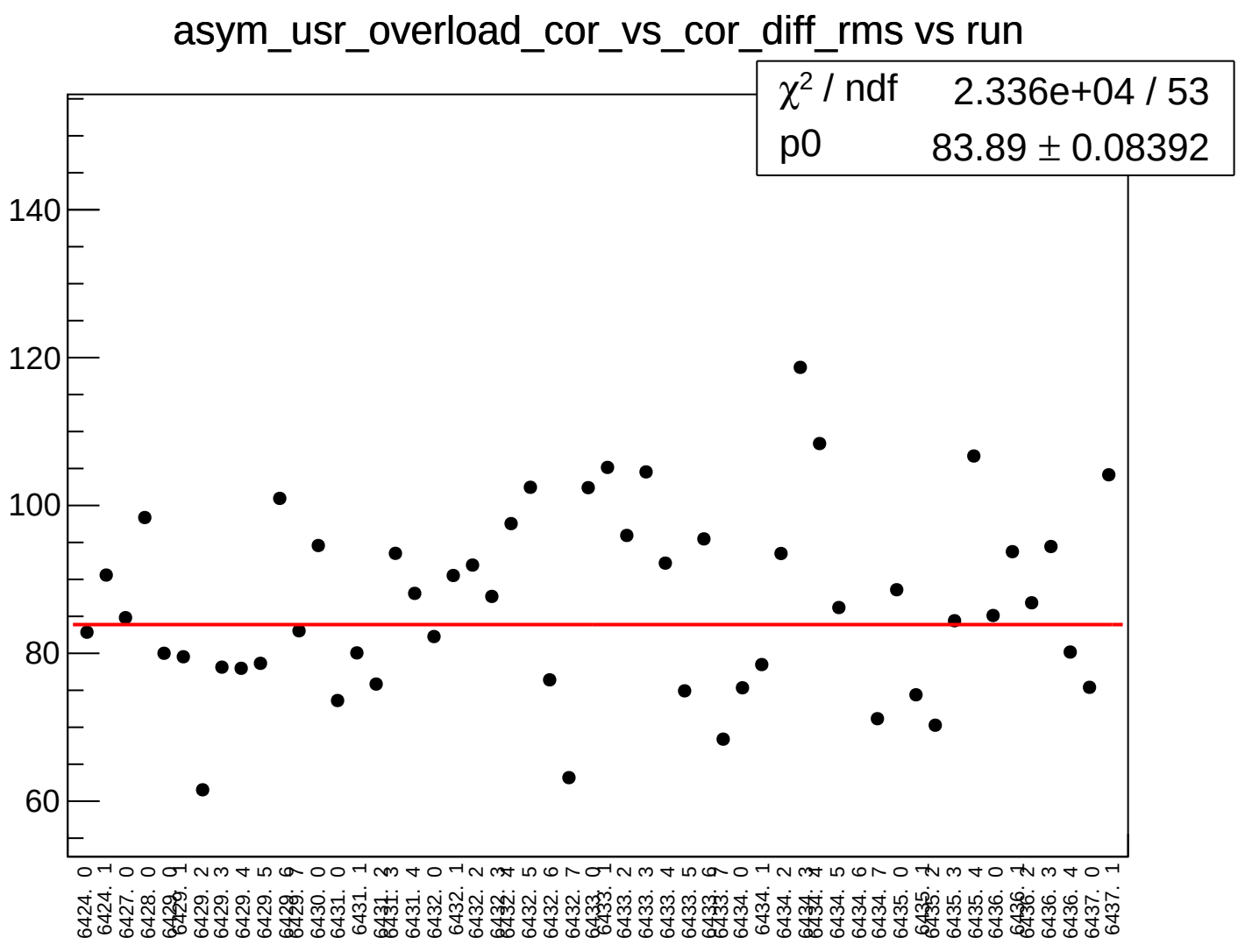

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.102e+04 / 53
p0 128.7 ± 0.1286
280
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

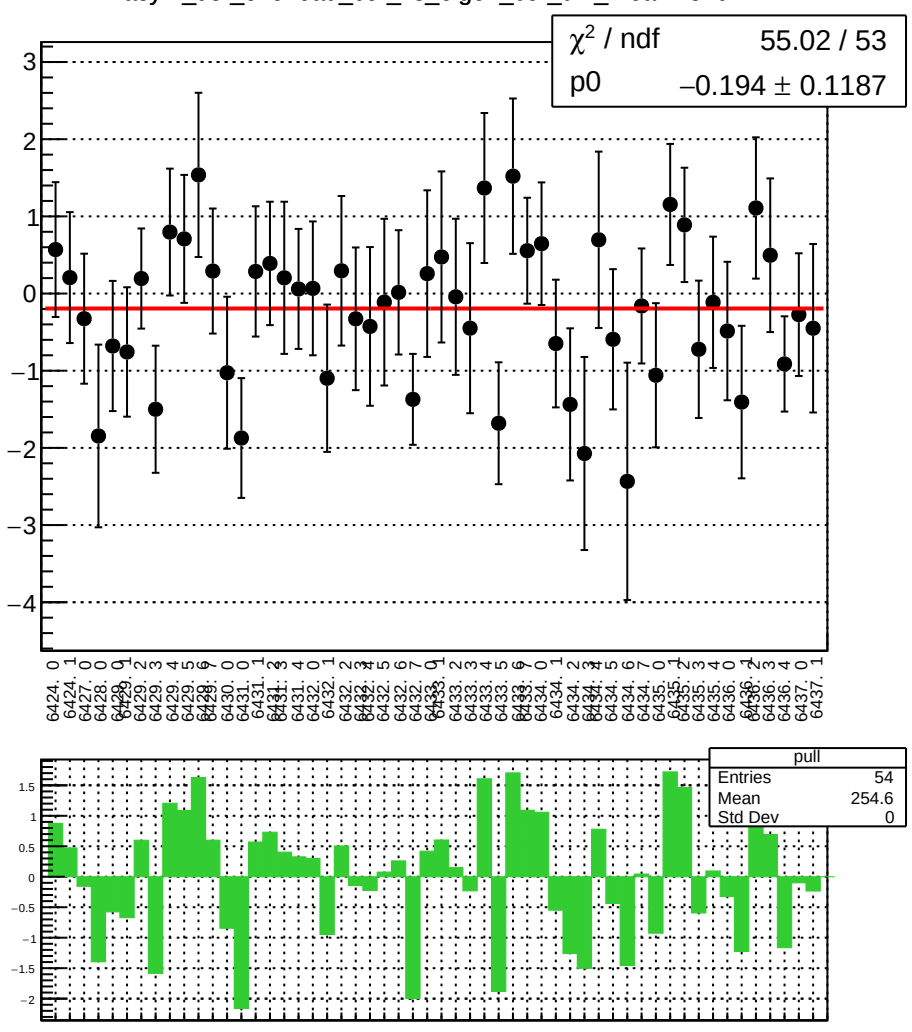

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.32 / 53
p0 1.415e−14 ± 3.998e−14
pull
Entries 54
Mean 45.4
Std Dev 15.75

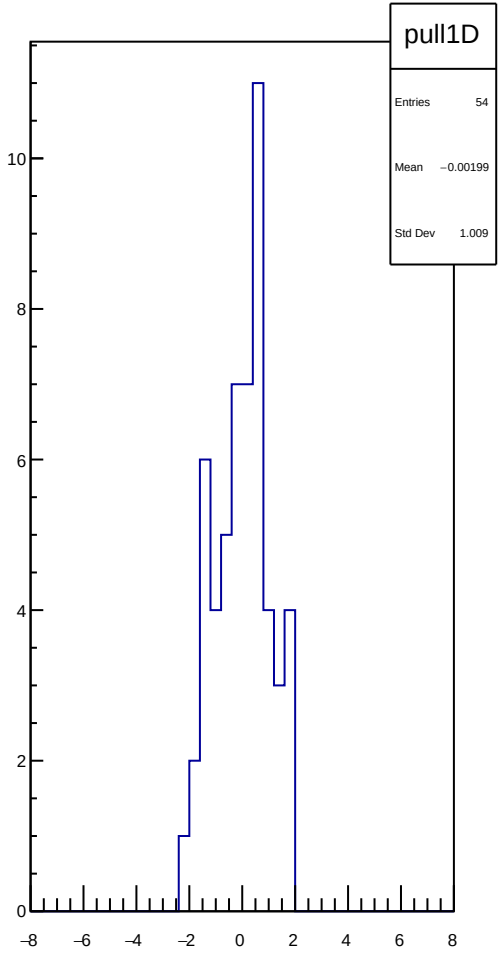

pull1D
Entries 54
Mean 0.1233
Std Dev 1.213

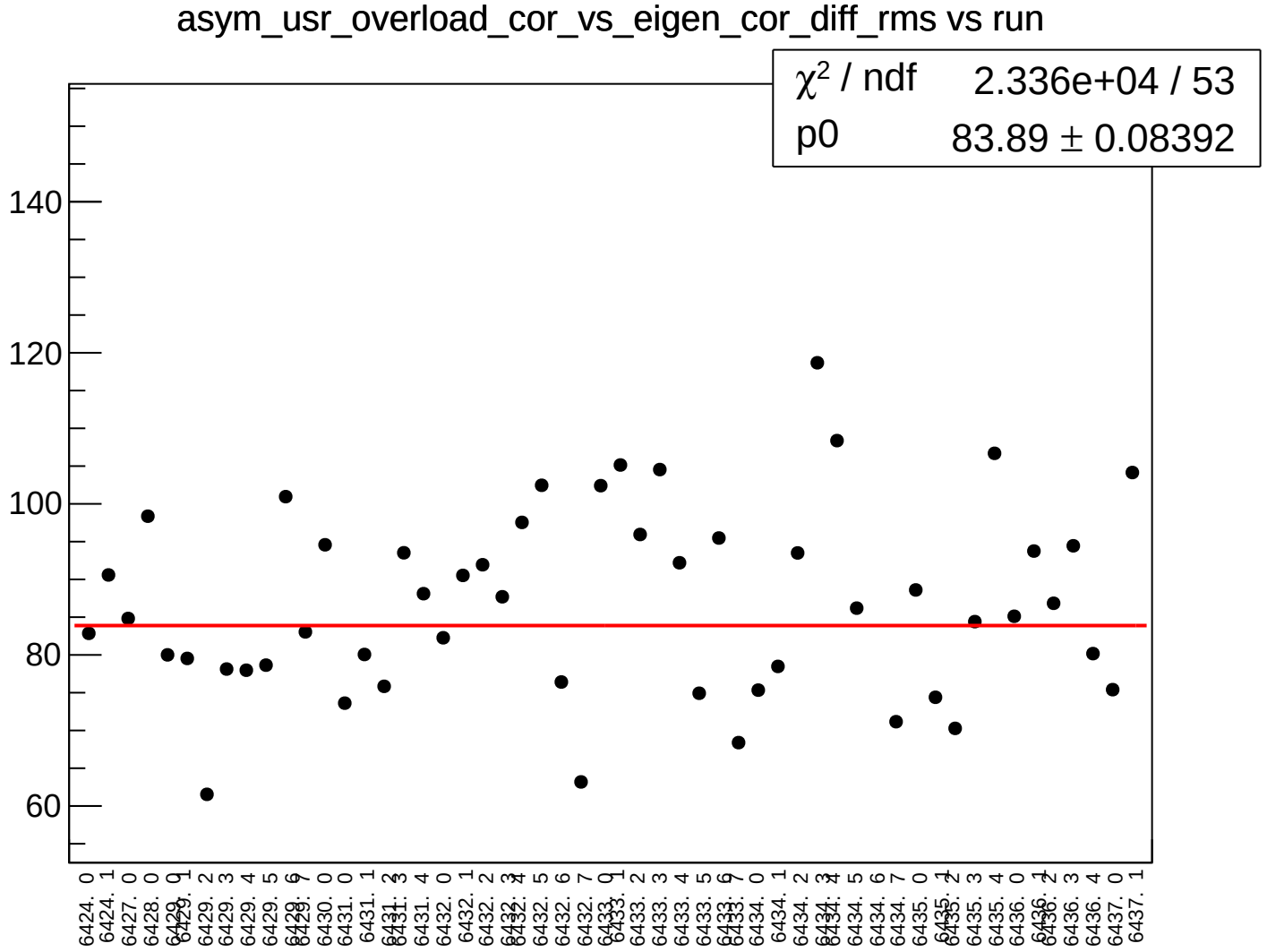

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.34e+05 / 53
p0 2.169e−11 ± 2.827e−14
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

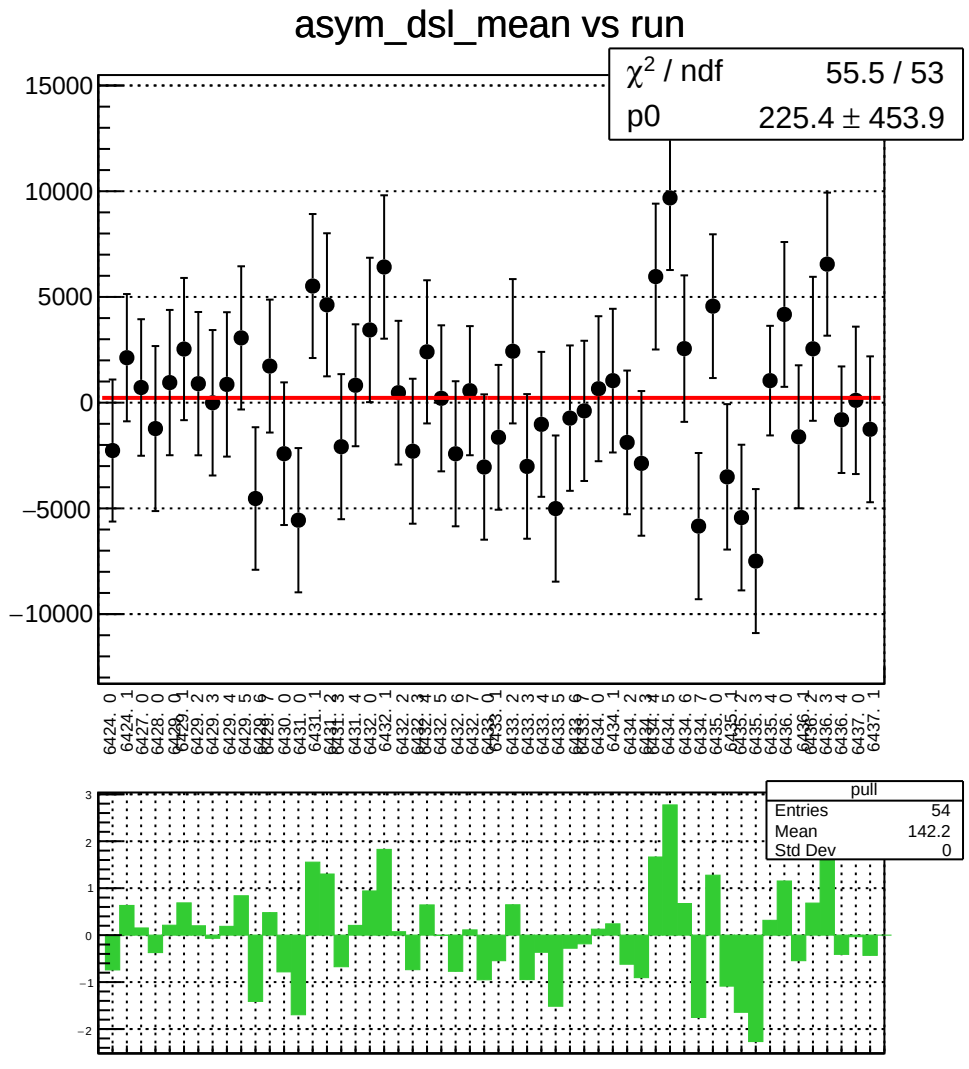

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 55.02 / 53
p0 −0.194 ± 0.1187
pull
Entries 54
Mean 254.6
Std Dev 0
pull1D
Entries 54
Mean −0.00199
Std Dev 1.009

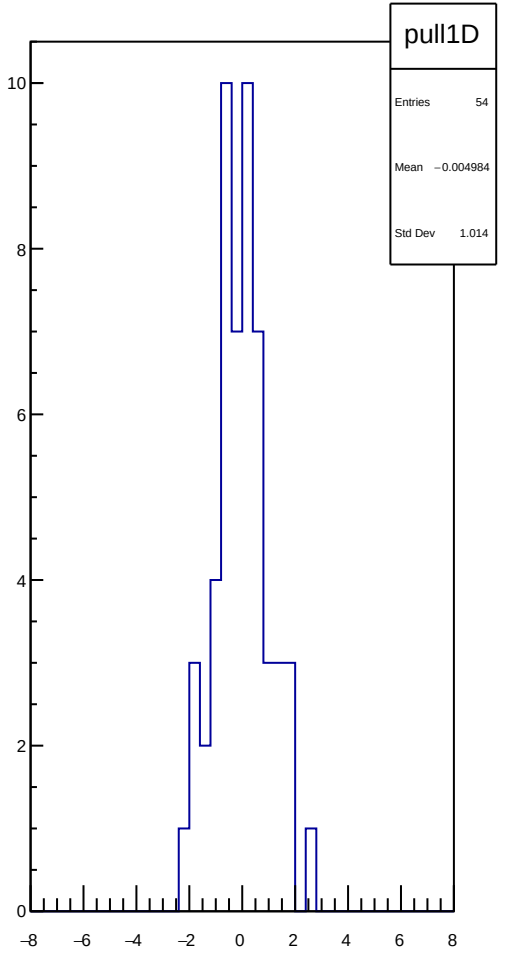

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.336e+04 / 53
p0 83.89 ± 0.08392
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

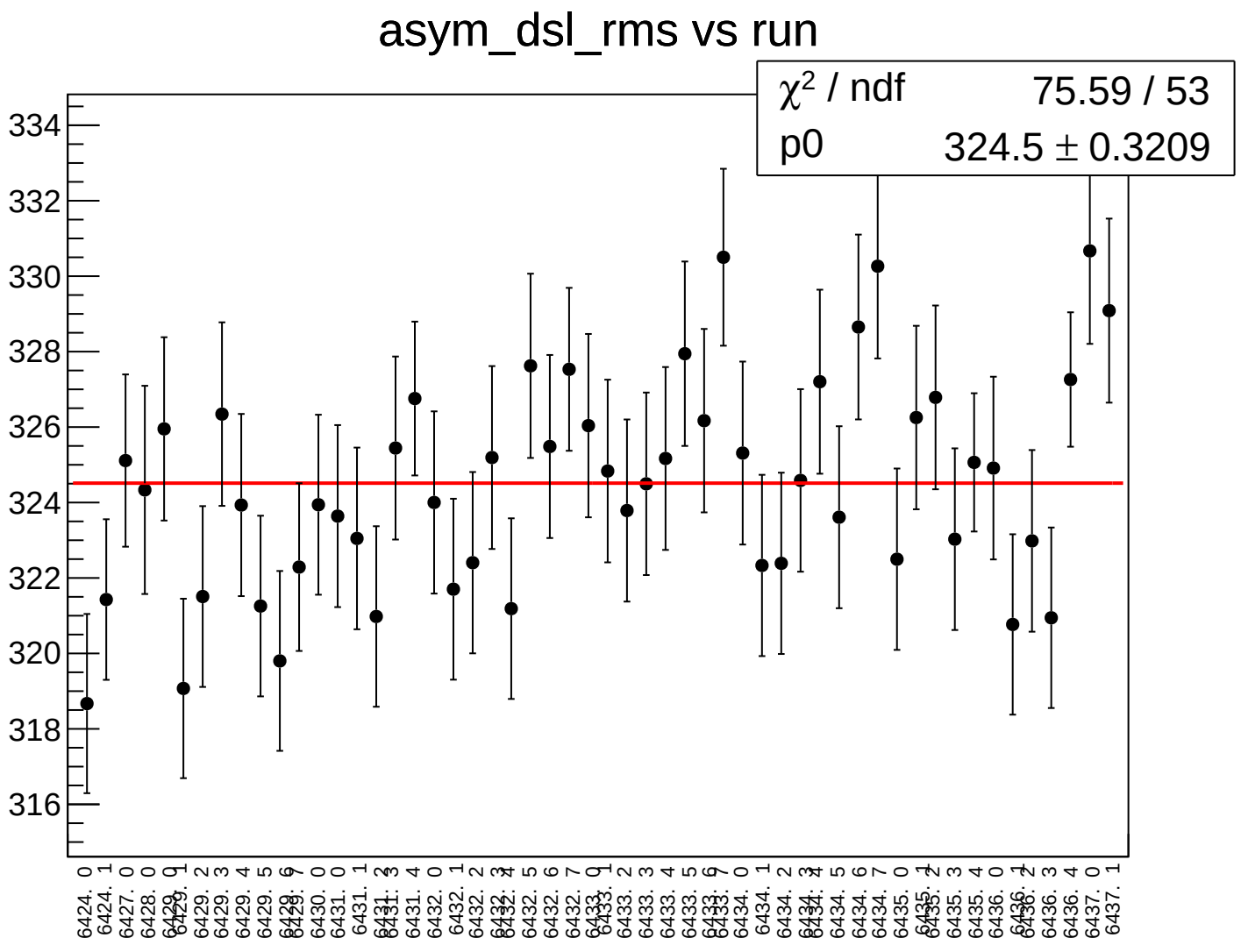

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.02 / 53
p0 −0.194 ± 0.1187
pull
Entries 54
Mean 254.6
Std Dev 0

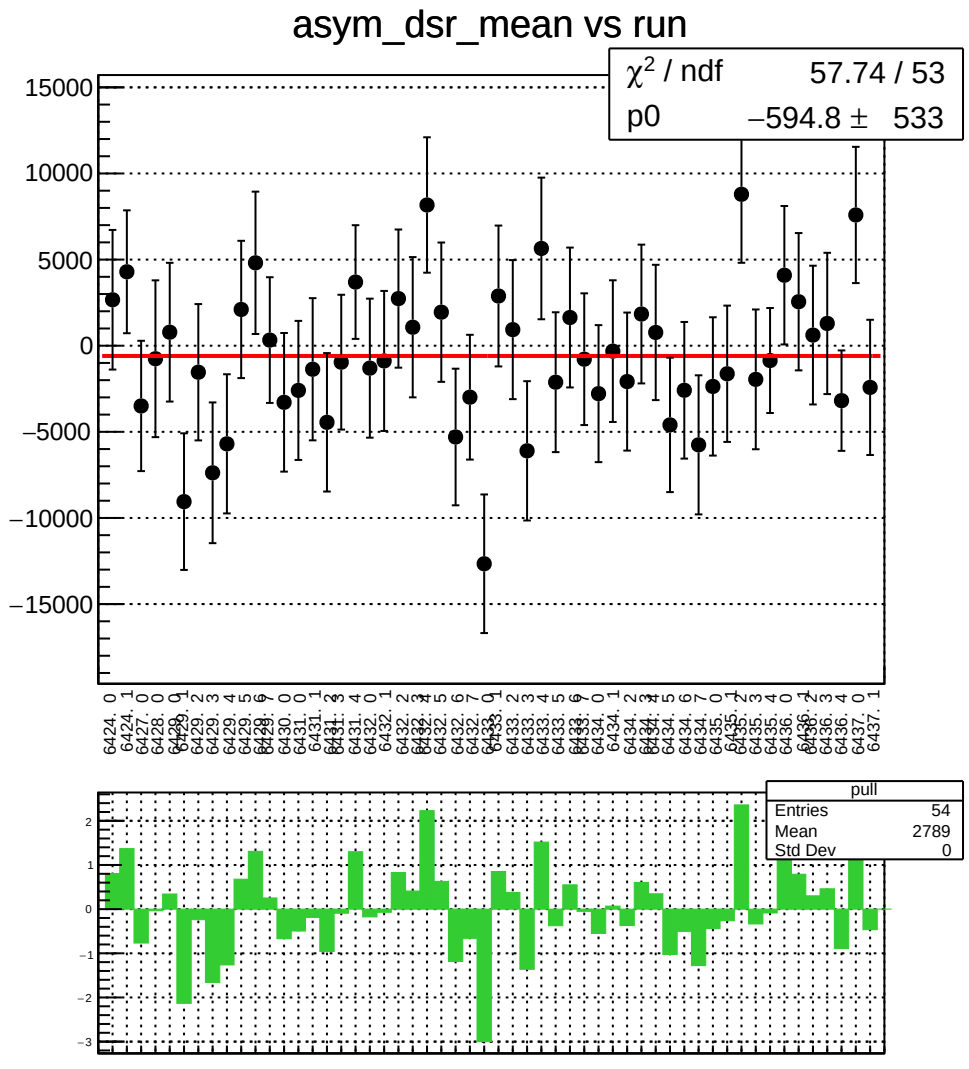

pull1D
Entries 54
Mean −0.00199
Std Dev 1.009

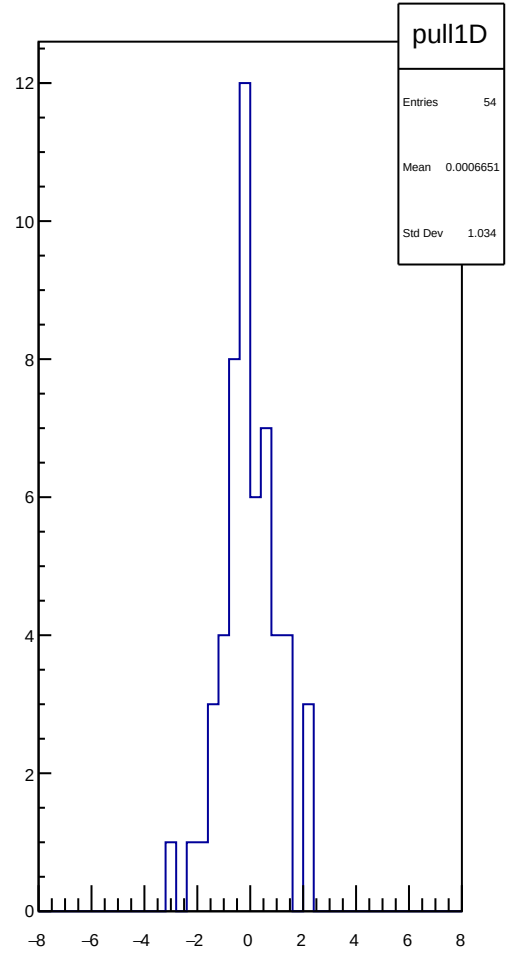

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.336e+04 / 53
p0 83.89 ± 0.08392
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

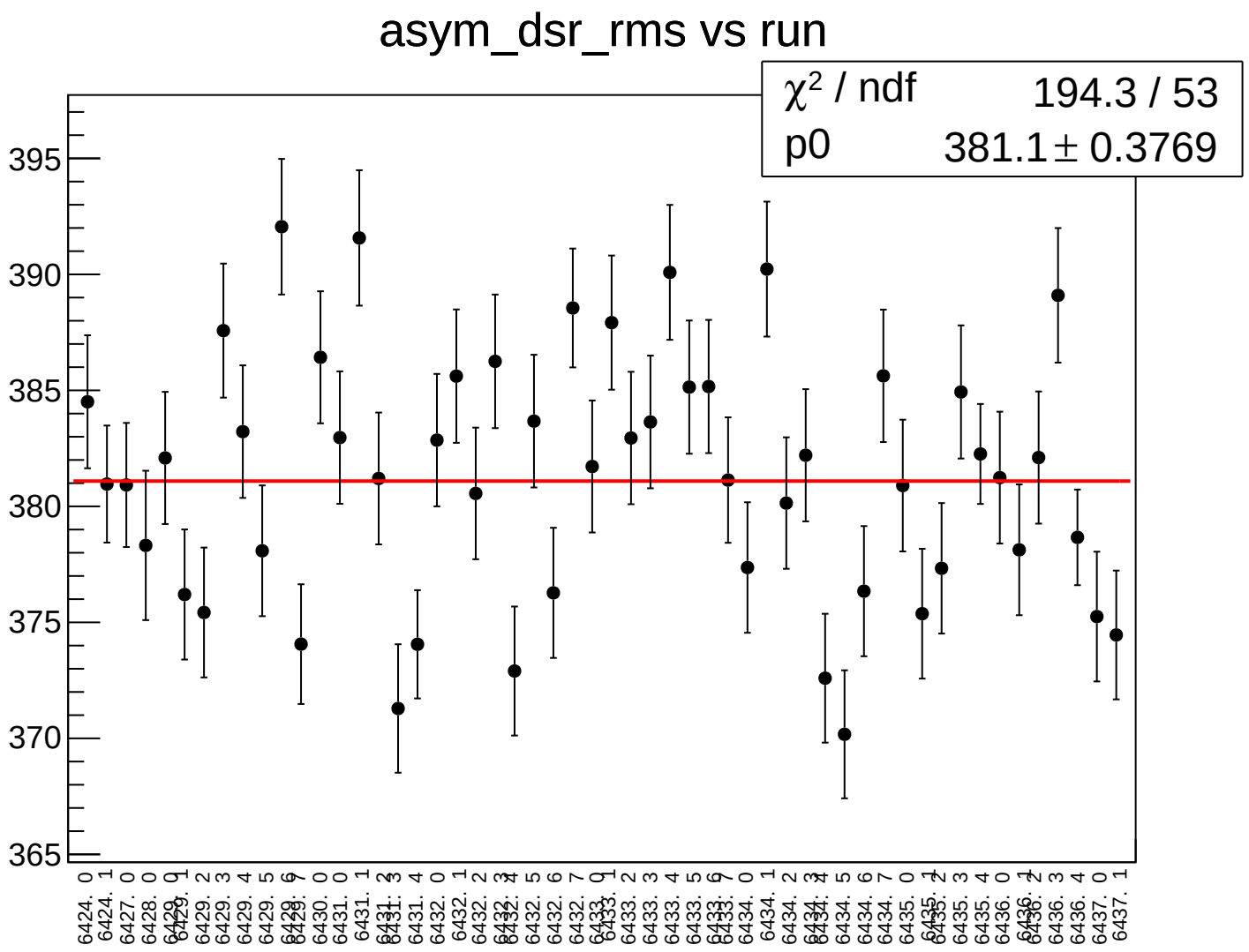

asym_dsl_mean vs run
χ² / ndf 55.5 / 53
p0 225.4 ± 453.9
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 142.2
Std Dev 0
3
2
1
0
−1
−2

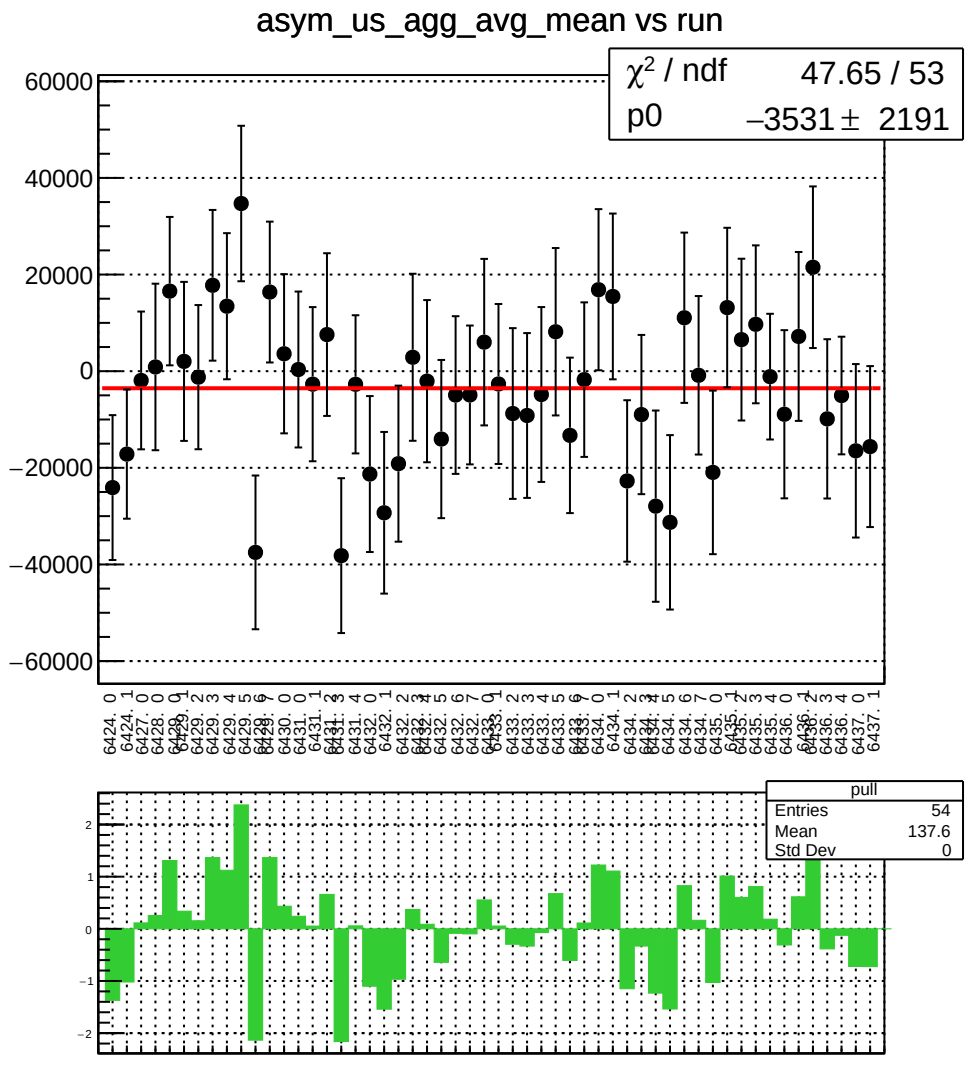

pull1D
Entries 54
Mean −0.004984
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

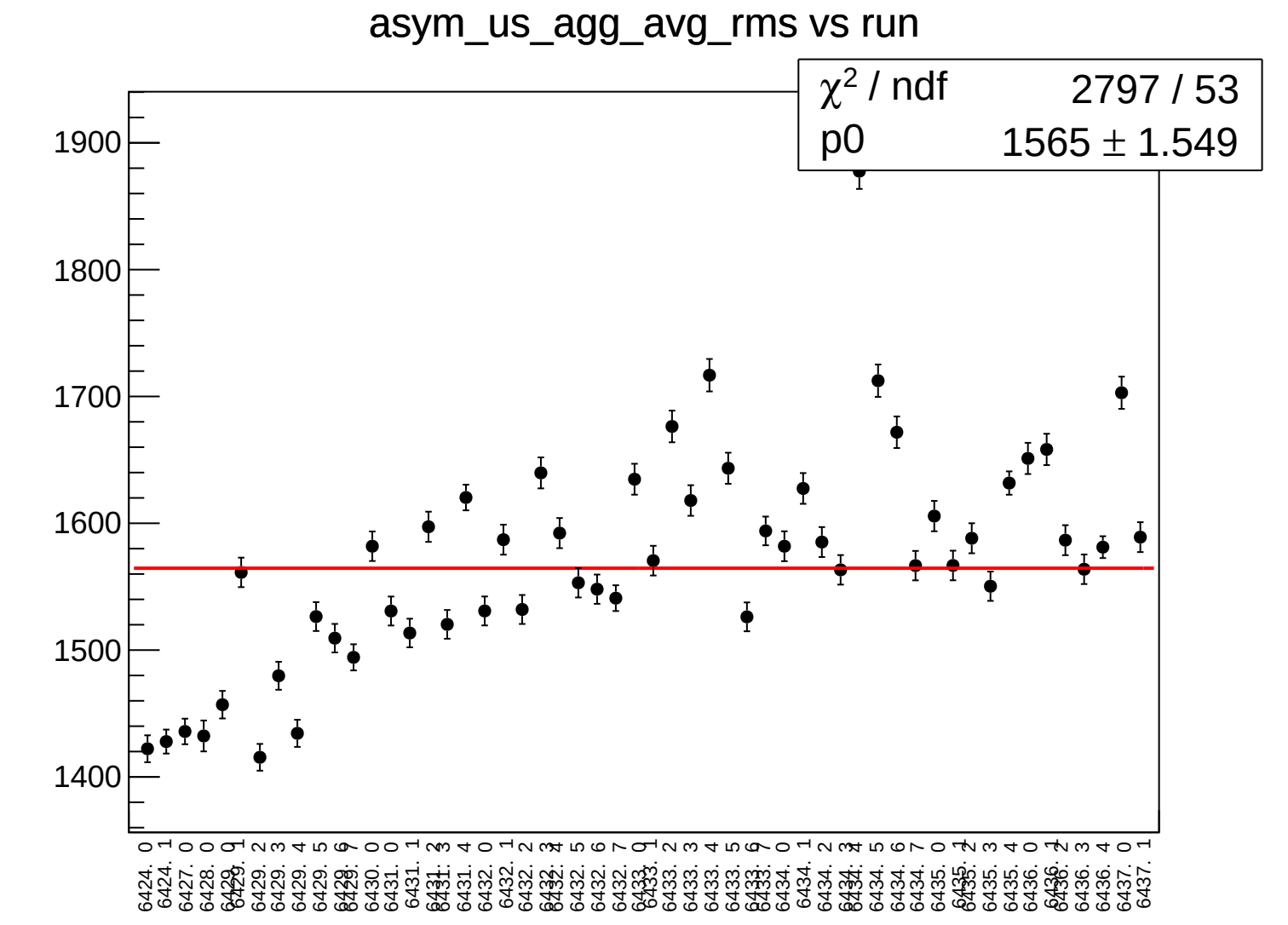

asym_dsl_rms vs run
χ^2 / ndf 75.59 / 53
p0 324.5 ± 0.3209
334
332
330
328
326
324
322
320
318
316
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

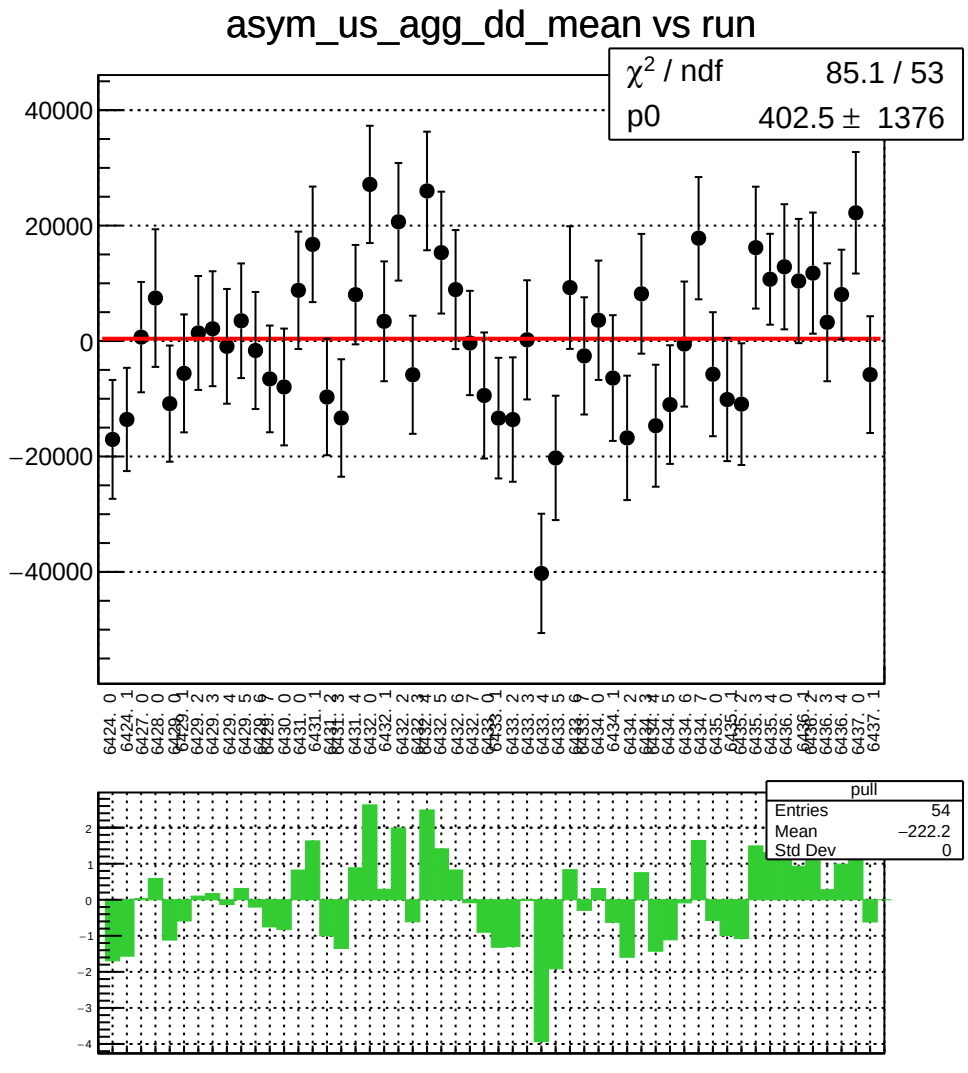

asym_dsr_mean vs run
χ² / ndf 57.74 / 53
p0 −594.8 ± 533
pull
Entries 54
Mean 2789
Std Dev 0

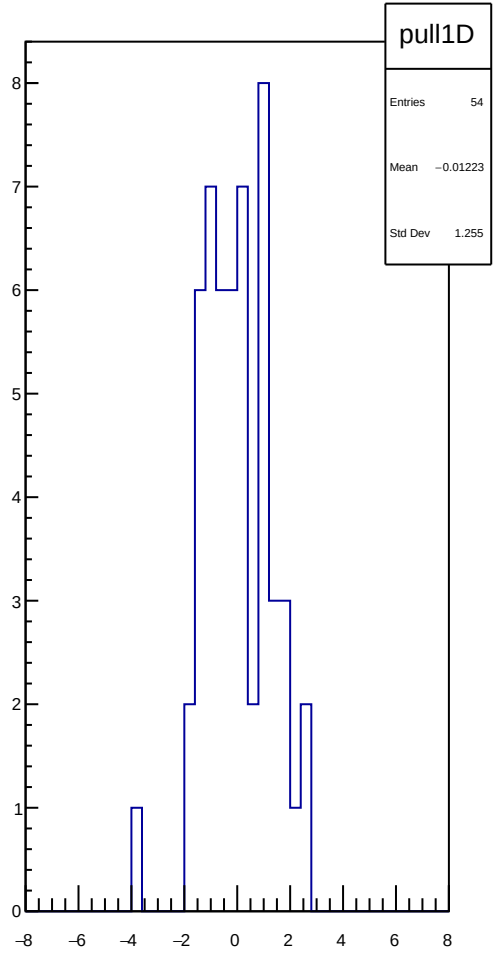

pull1D
Entries 54
Mean 0.0006651
Std Dev 1.034

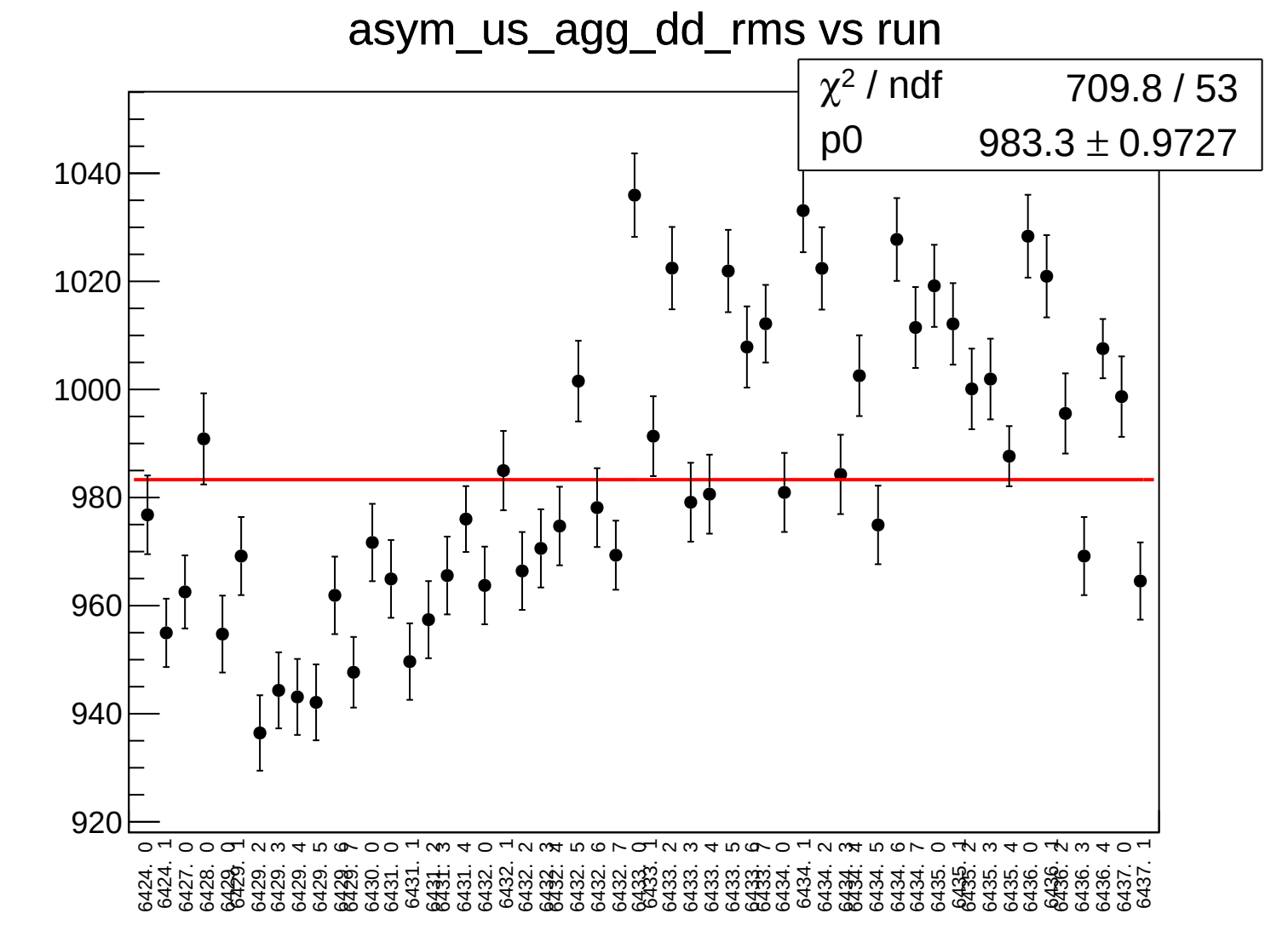

asym_dsr_rms vs run
χ² / ndf 194.3 / 53
p0 381.1 ± 0.3769
395
390
385
380
375
370
365
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

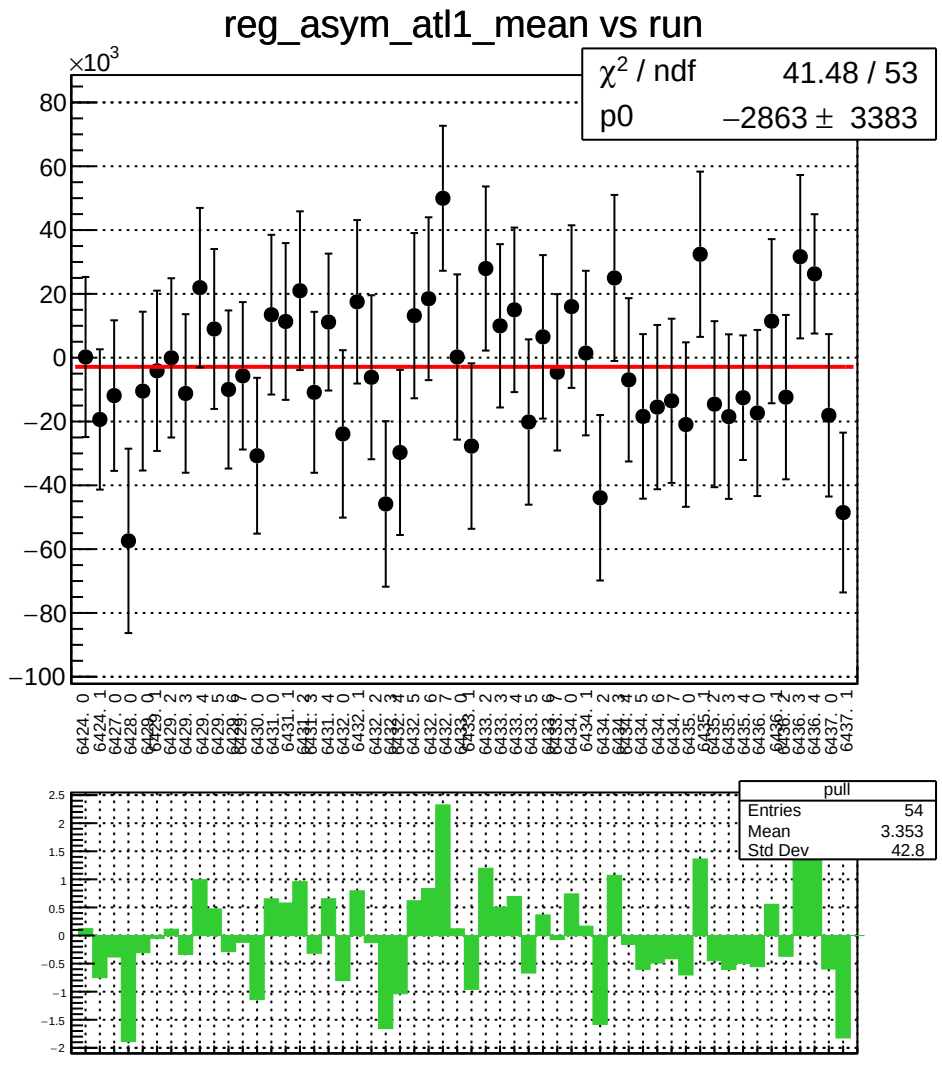

asym_us_agg_avg_mean vs run
χ² / ndf 47.65 / 53
p0 −3531 ± 2191
pull
Entries 54
Mean 137.6
Std Dev 0
pull1D
Entries 54
Mean −0.004317
Std Dev 0.9393

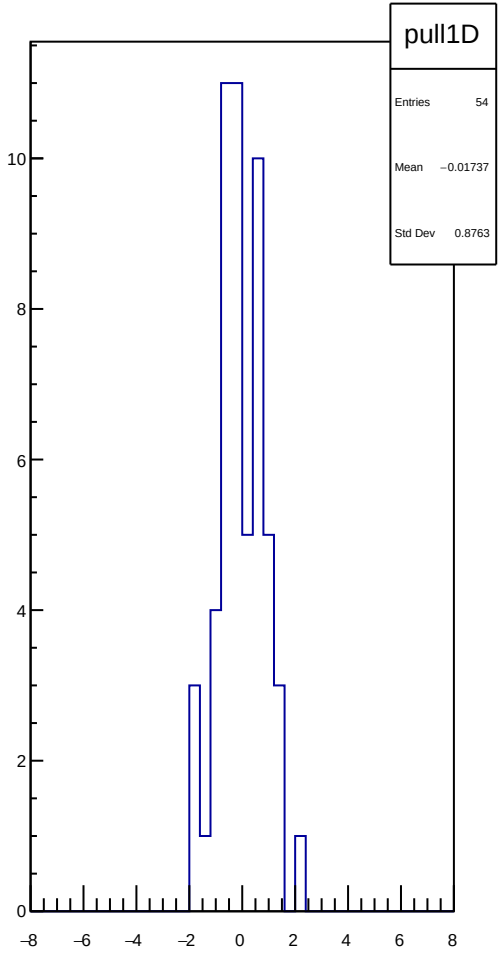

asym_us_agg_avg_rms vs run
χ² / ndf 2797 / 53
p0 1565 ± 1.549
1900
1800
1700
1600
1500
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

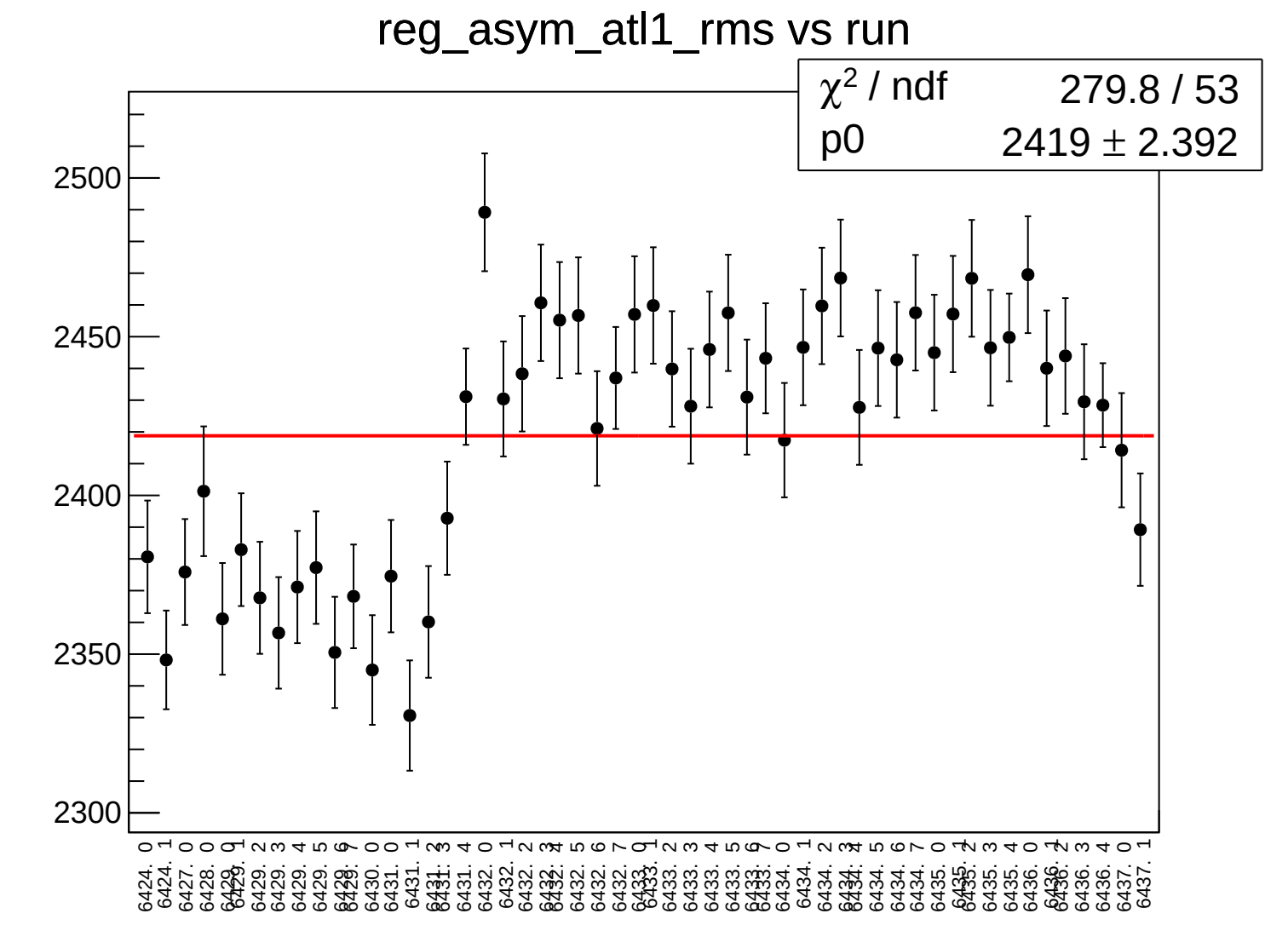

asym_us_agg_dd_mean vs run
χ² / ndf 85.1 / 53
p0 402.5 ± 1376
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −222.2
Std Dev 0
2
1
0
−1
−2
−3
−4

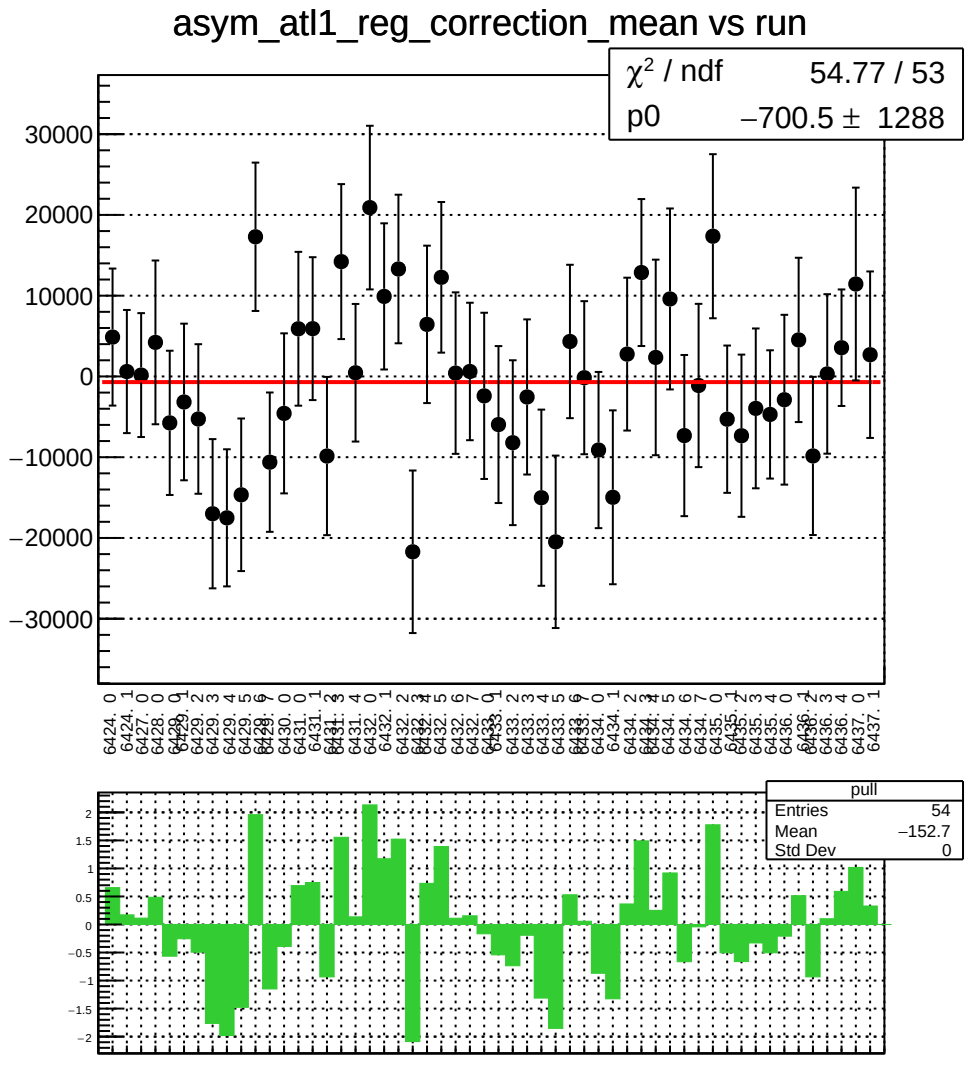

pull1D
Entries 54
Mean −0.01223
Std Dev 1.255
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

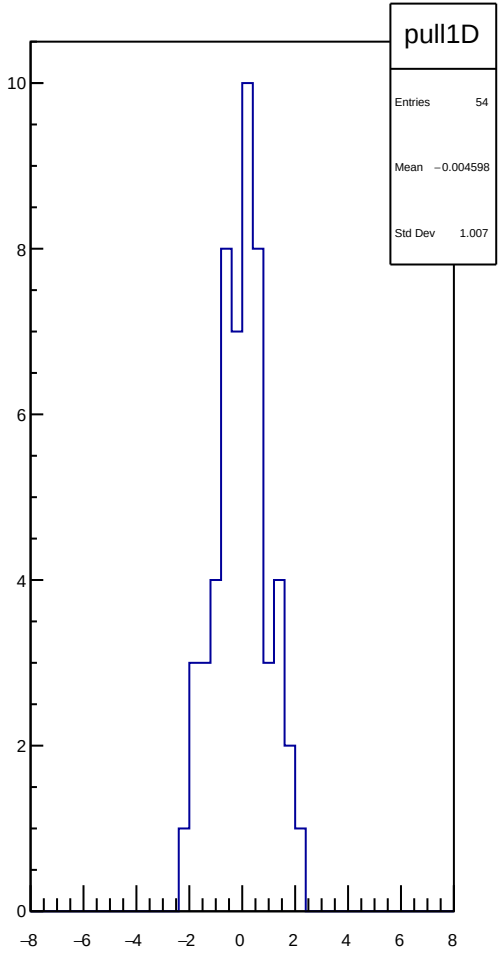

asym_us_agg_dd_rms vs run
χ² / ndf 709.8 / 53
p0 983.3 ± 0.9727
1040
1020
1000
980
960
940
920
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

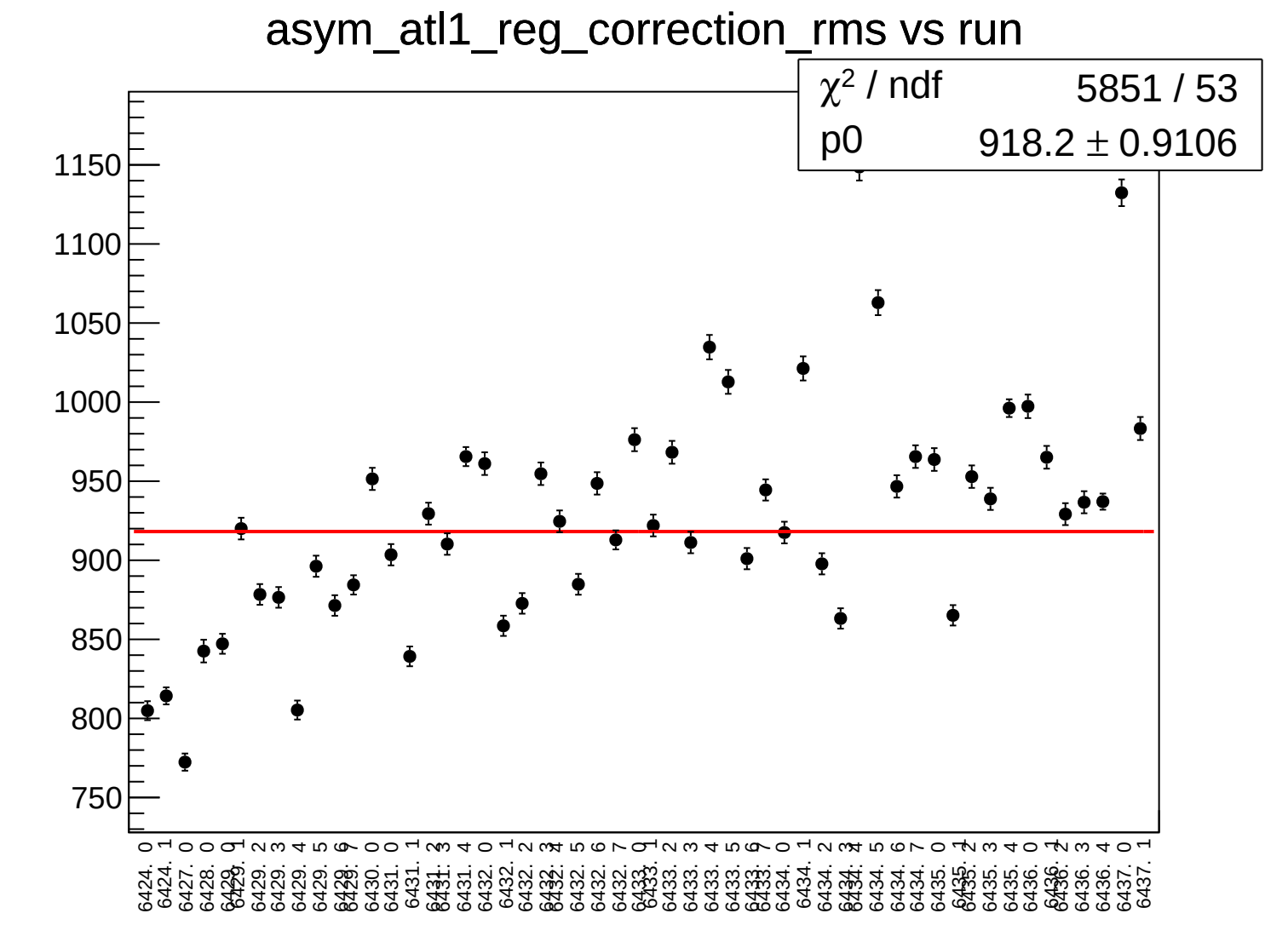

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 41.48 / 53
p0 −2863 ± 3383
pull
Entries 54
Mean 3.353
Std Dev 42.8


pull1D
Entries 54
Mean −0.01737
Std Dev 0.8763


reg_asym_atl1_rms vs run
χ² / ndf 279.8 / 53
p0 2419 ± 2.392
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1_reg_correction_mean vs run
χ² / ndf 54.77 / 53
p0 −700.5 ± 1288
pull
Entries 54
Mean −152.7
Std Dev 0


pull1D
Entries 54
Mean −0.004598
Std Dev 1.007


asym_atl1_reg_correction_rms vs run
χ² / ndf 5851 / 53
p0 918.2 ± 0.9106
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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6435. 0
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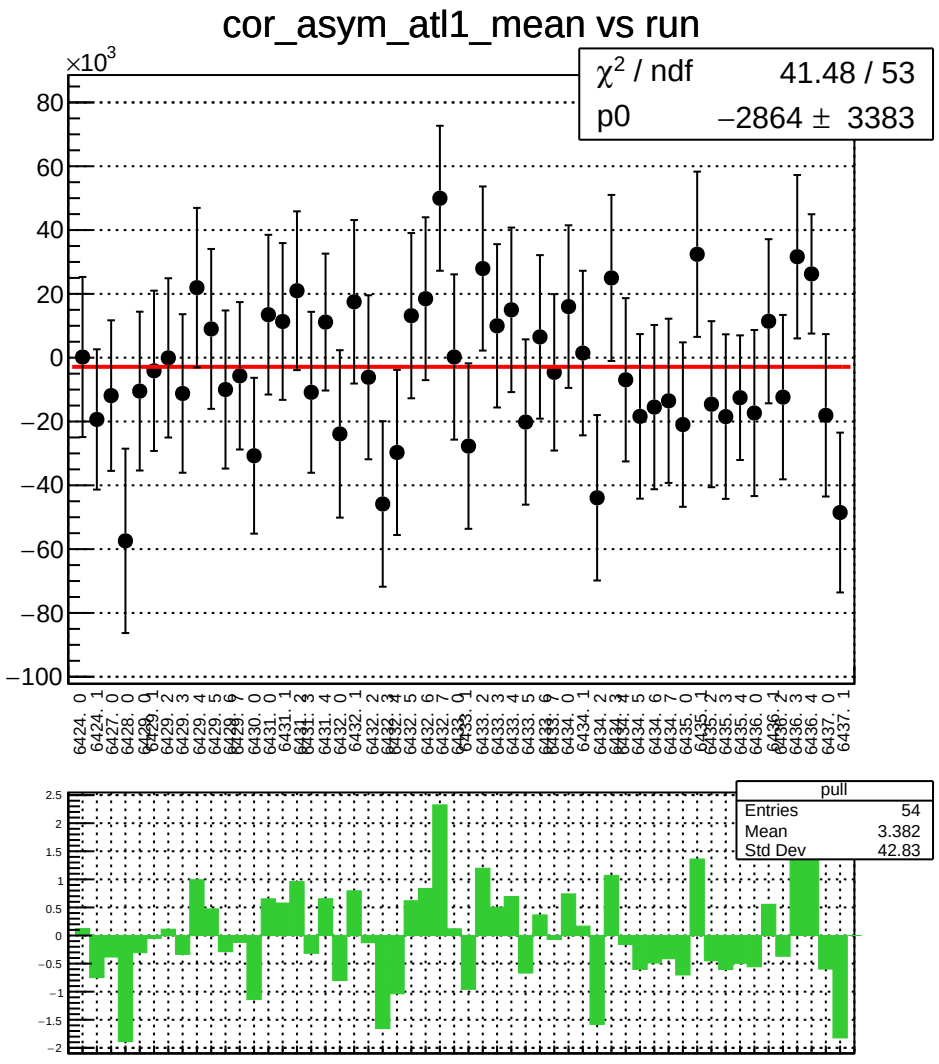
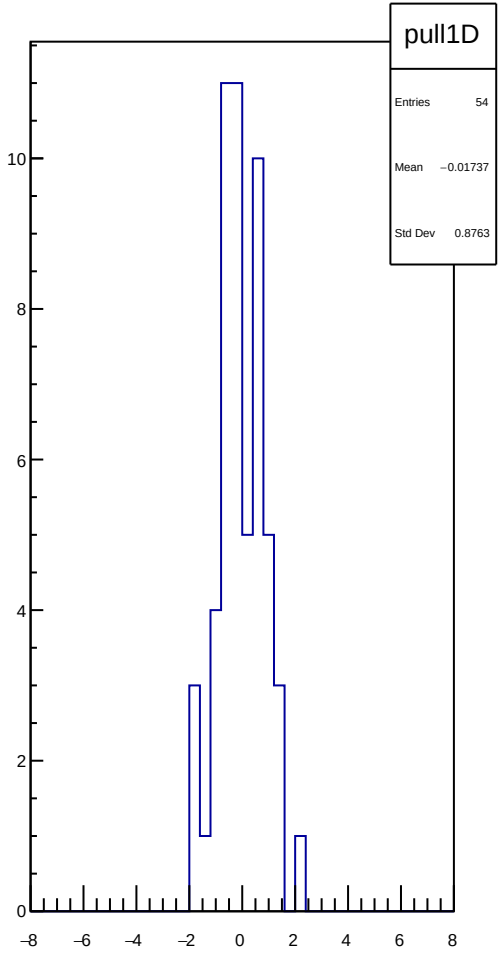
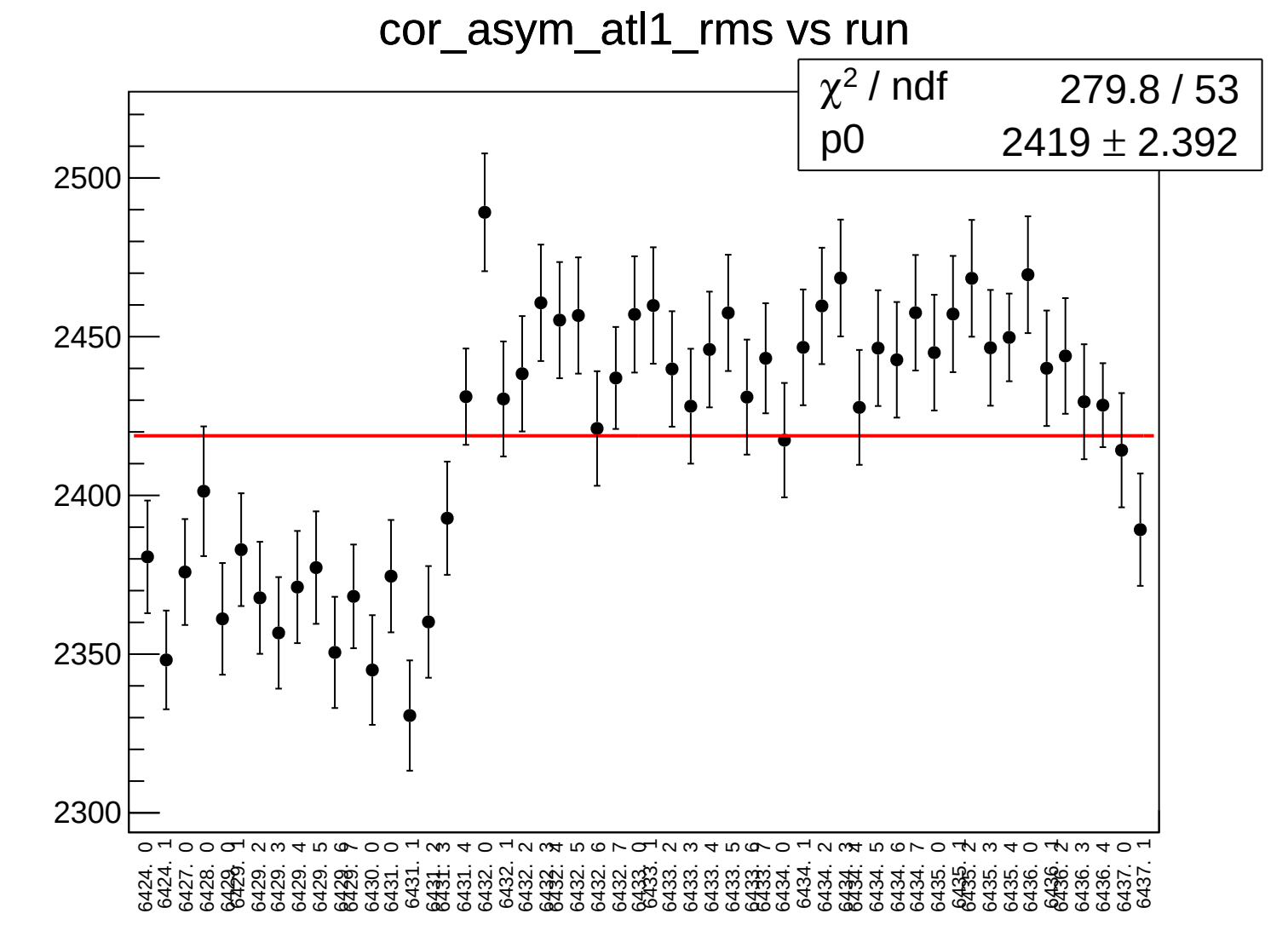
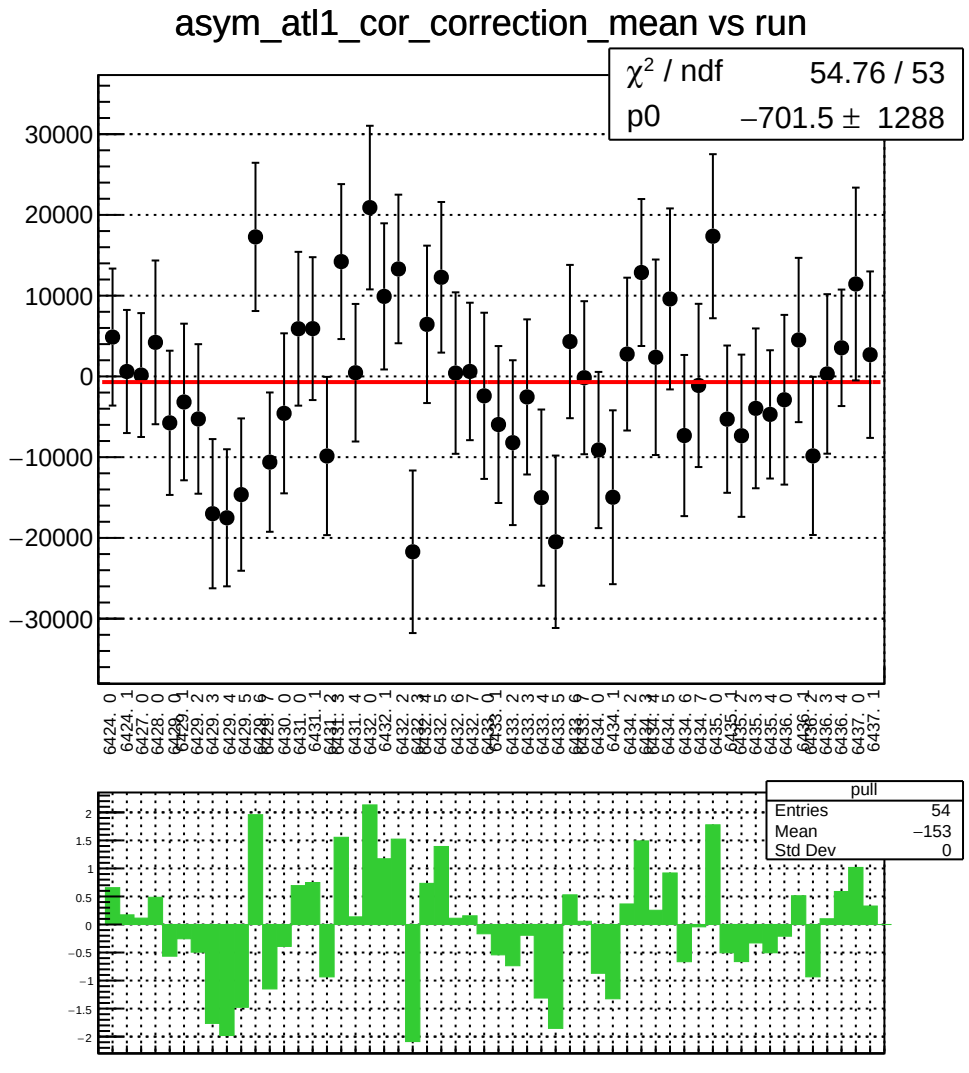
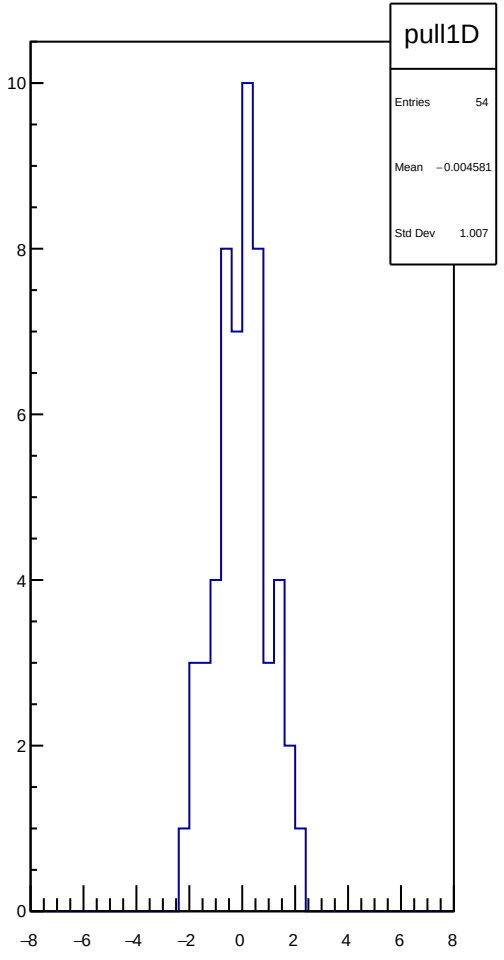
6436. 4
6437. 0
6437. 1

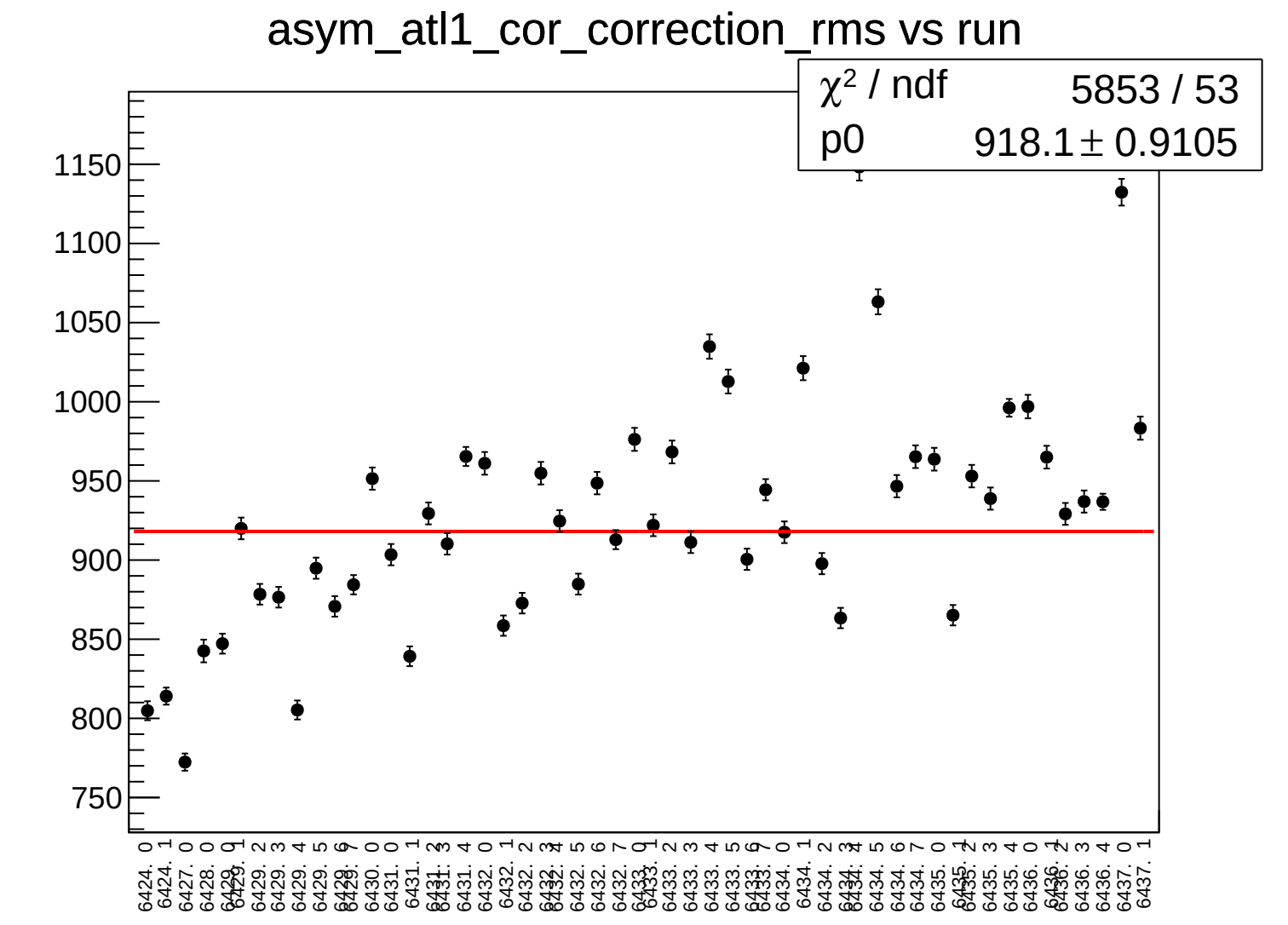

cor_asym_atl1_mean vs run
χ² / ndf 41.48 / 53
p0 −2864 ± 3383
×10³
pull
Entries 54
Mean 3.382
Std Dev 42.83

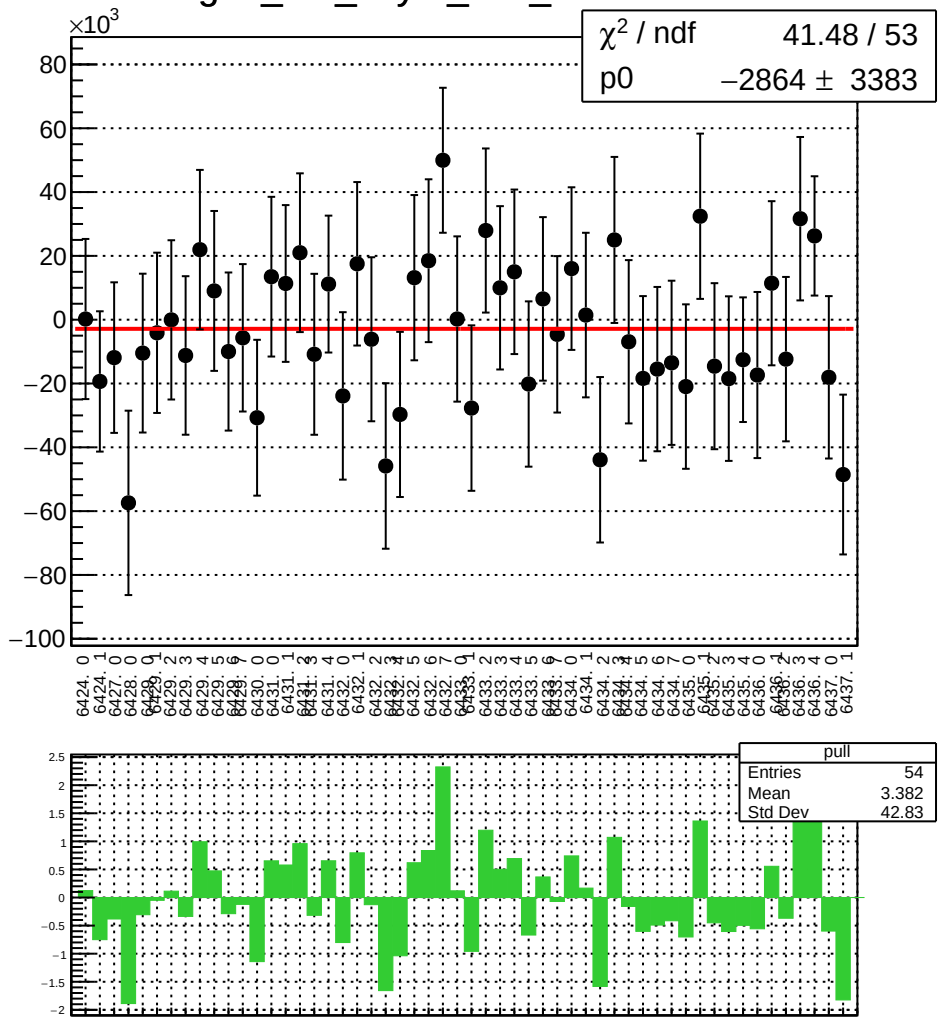

pull1D
Entries 54
Mean −0.01737
Std Dev 0.8763

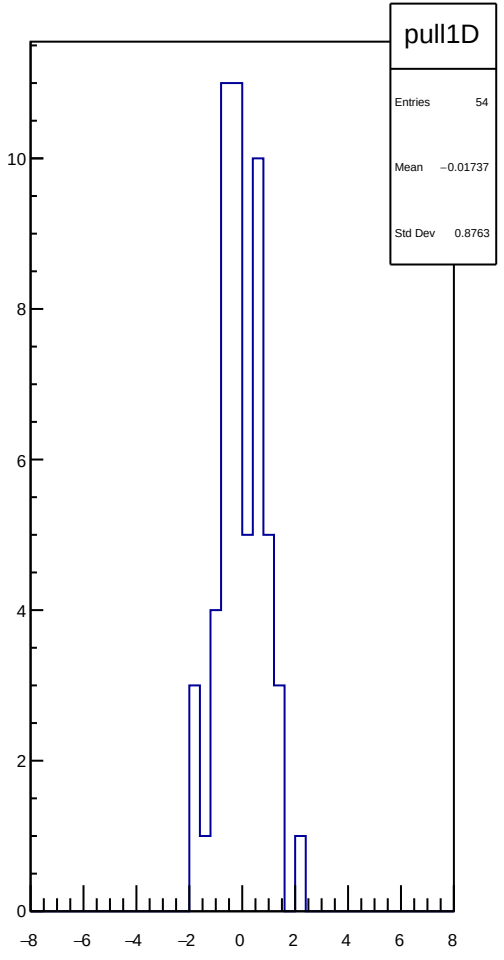

cor_asym_atl1_rms vs run
χ² / ndf 279.8 / 53
p0 2419 ± 2.392
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

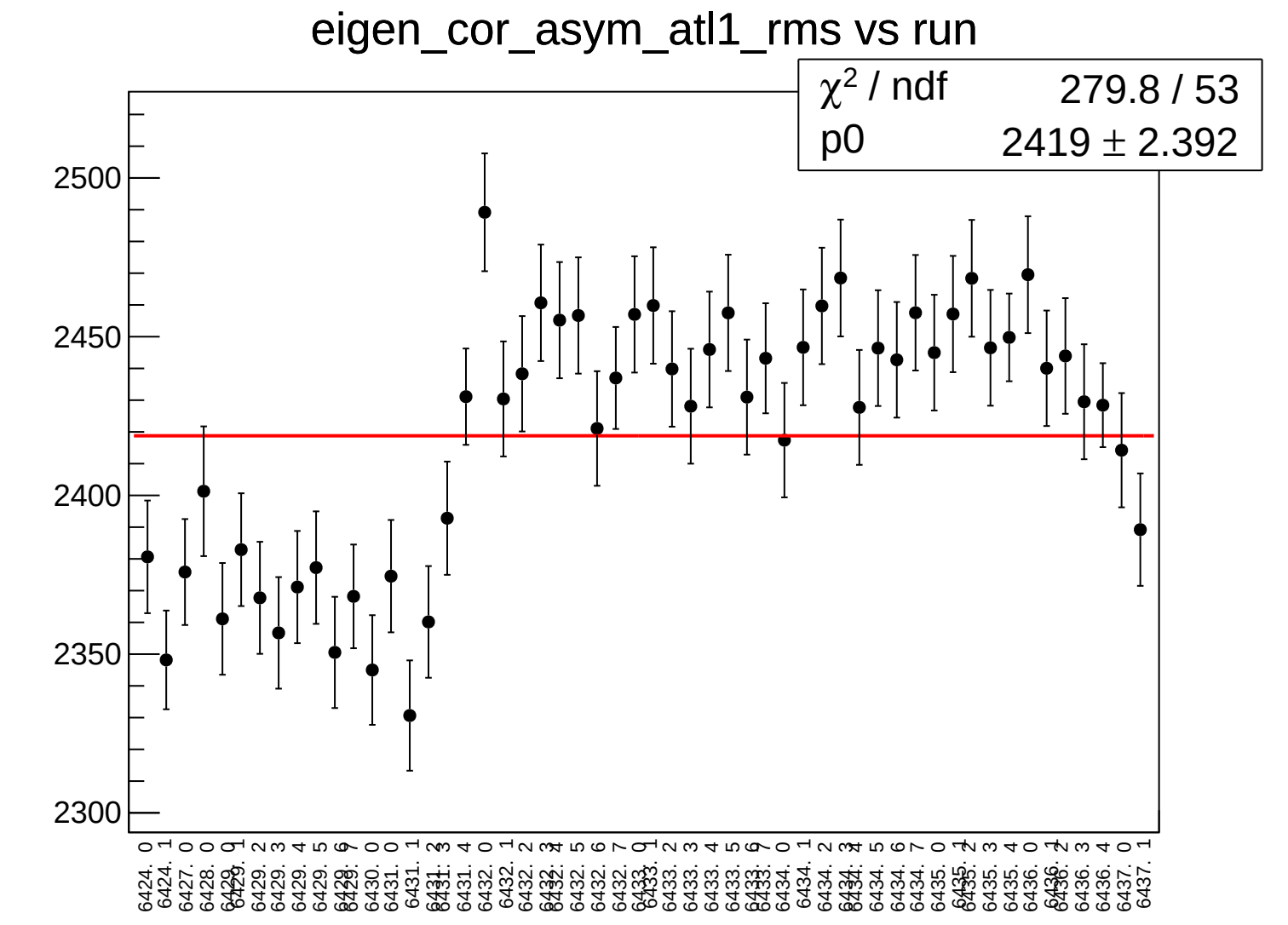

asym_atl1_cor_correction_mean vs run
χ² / ndf 54.76 / 53
p0 −701.5 ± 1288
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −153
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.004581
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_cor_correction_rms vs run
χ² / ndf 5853 / 53
p0 918.1 ± 0.9105
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl1_mean vs run
χ² / ndf 41.48 / 53
p0 −2864 ± 3383
pull
Entries 54
Mean 3.382
Std Dev 42.83


pull1D
Entries 54
Mean −0.01737
Std Dev 0.8763


eigen_cor_asym_atl1_rms vs run
χ² / ndf 279.8 / 53
p0 2419 ± 2.392
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 6
6432. 7
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6433. 4
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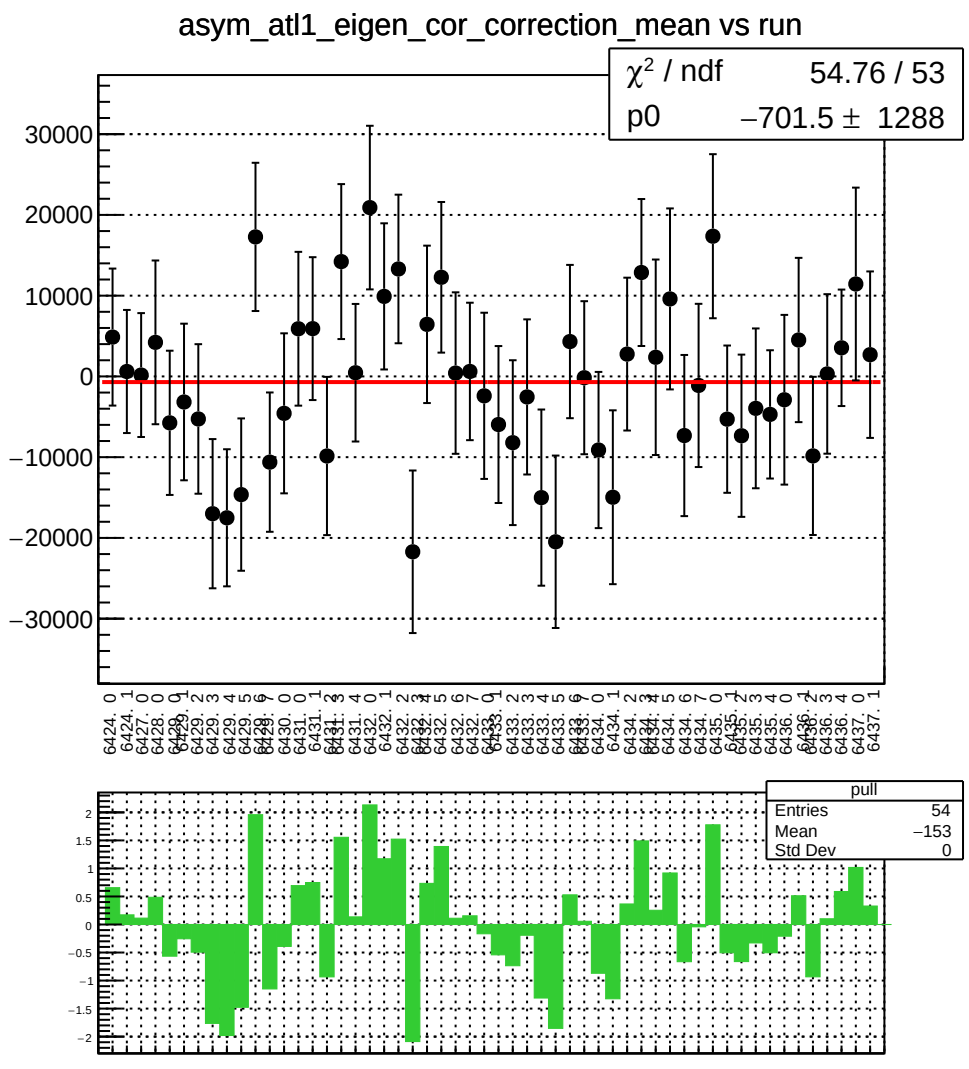
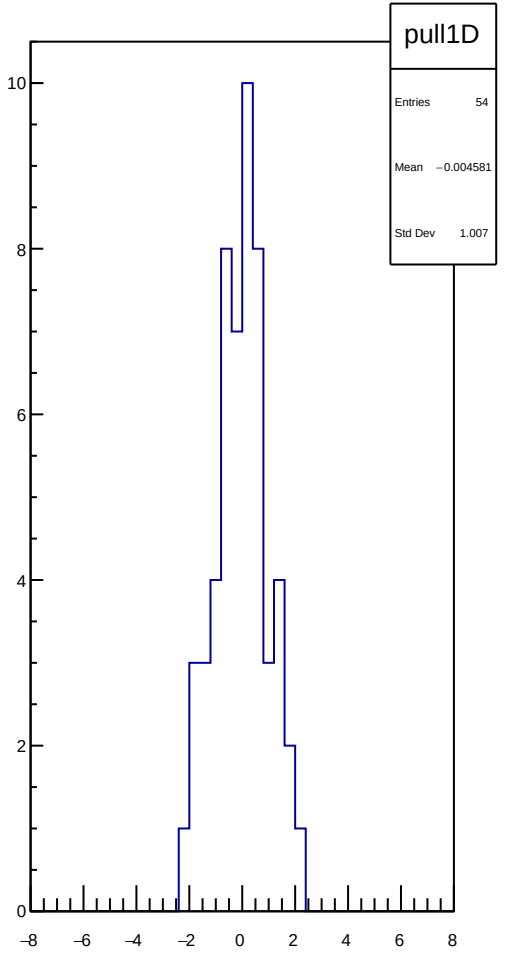
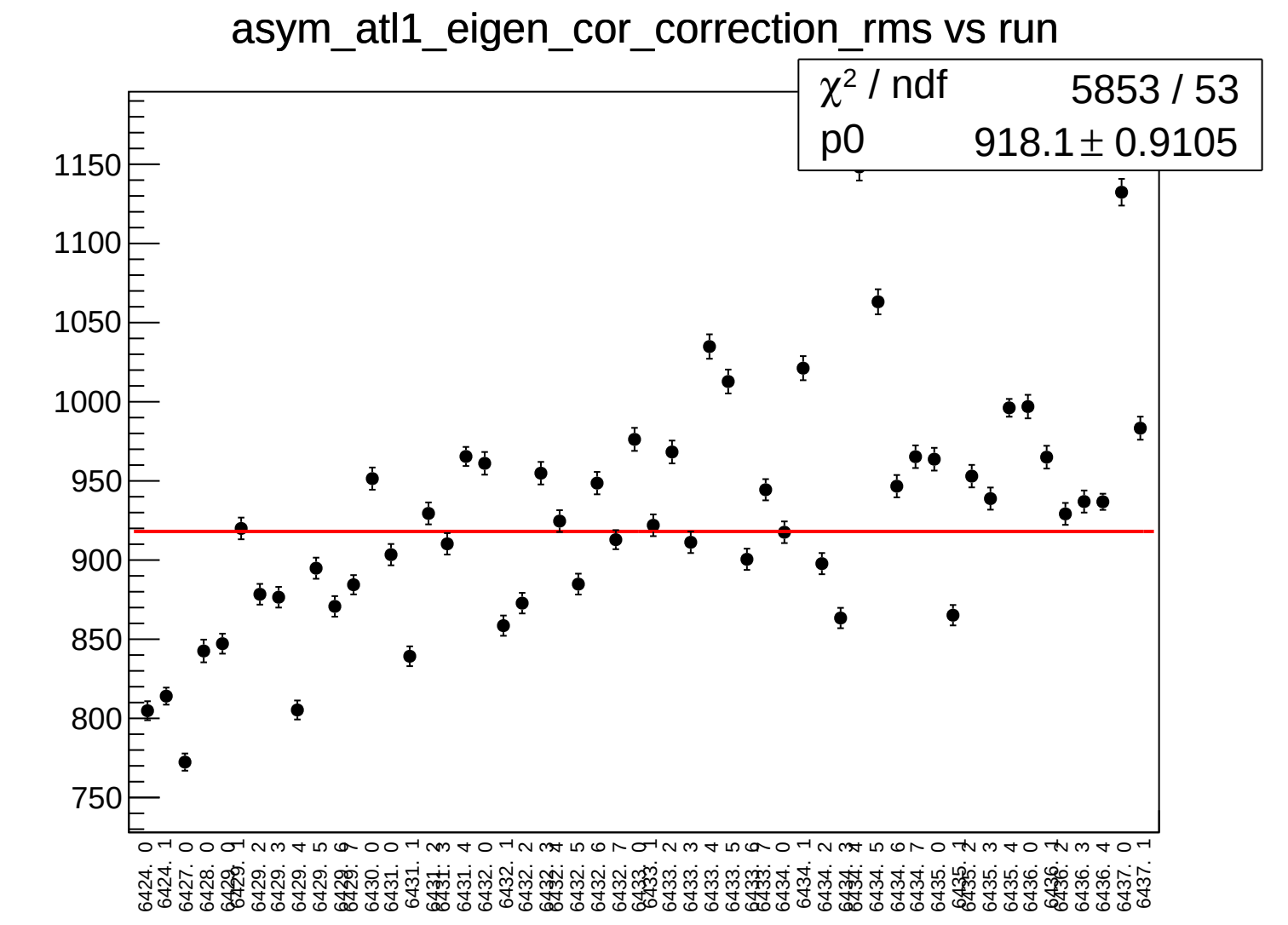
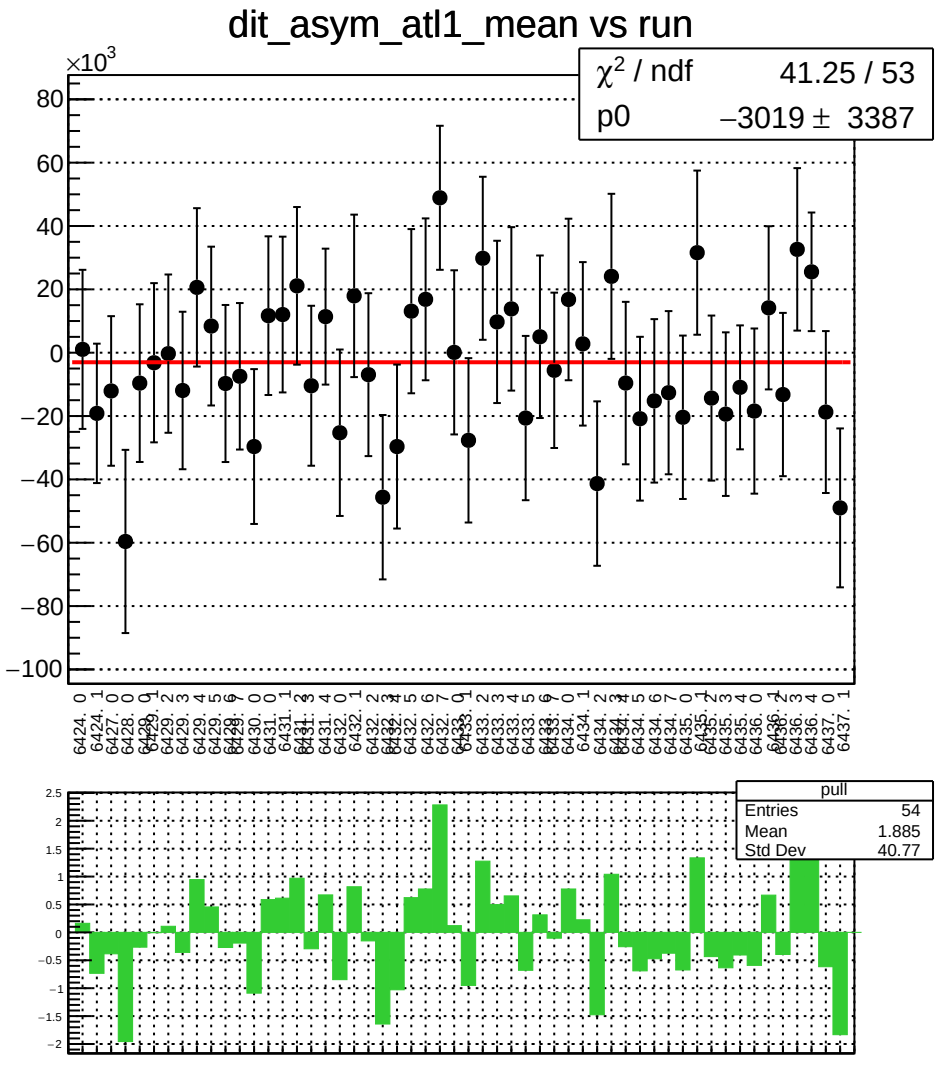
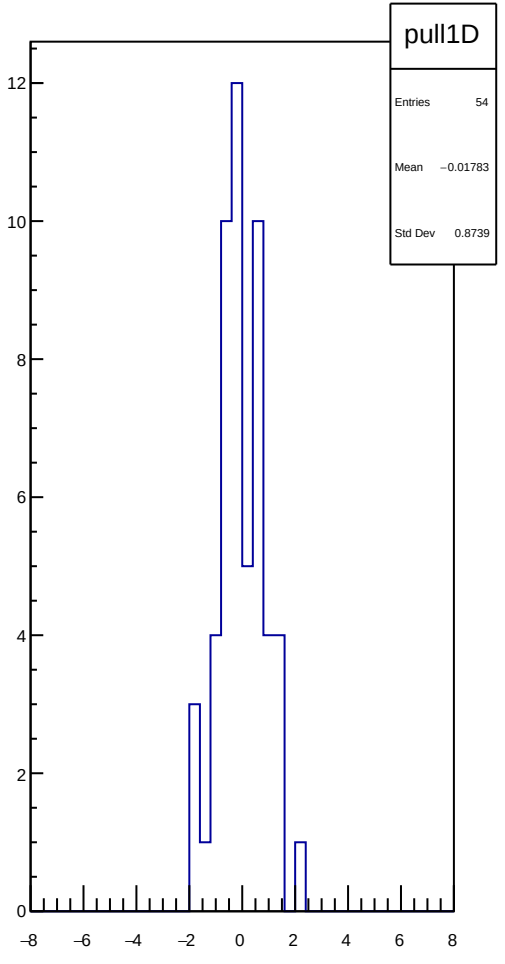
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

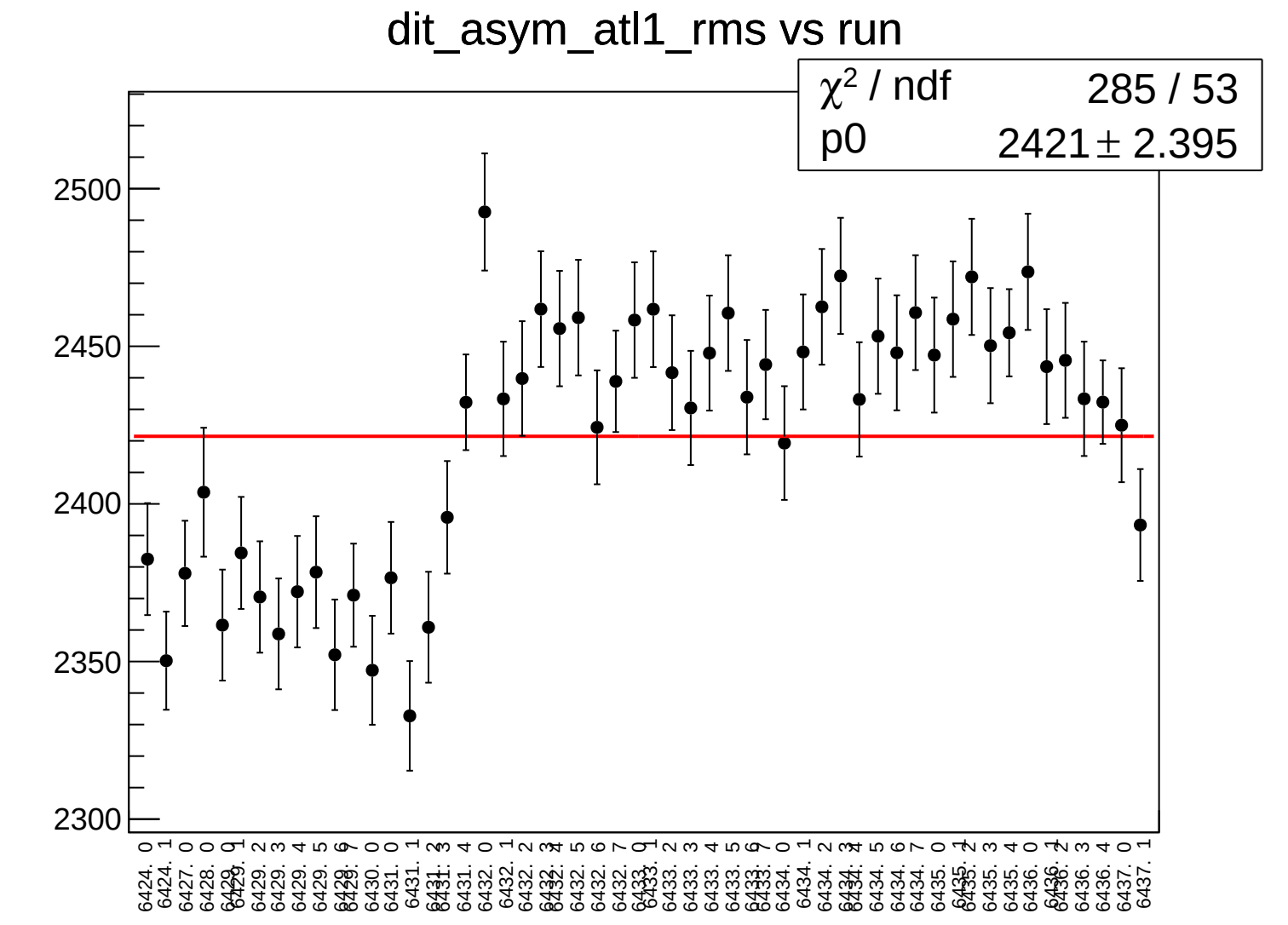

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 54.76 / 53
p0 −701.5 ± 1288
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −153
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

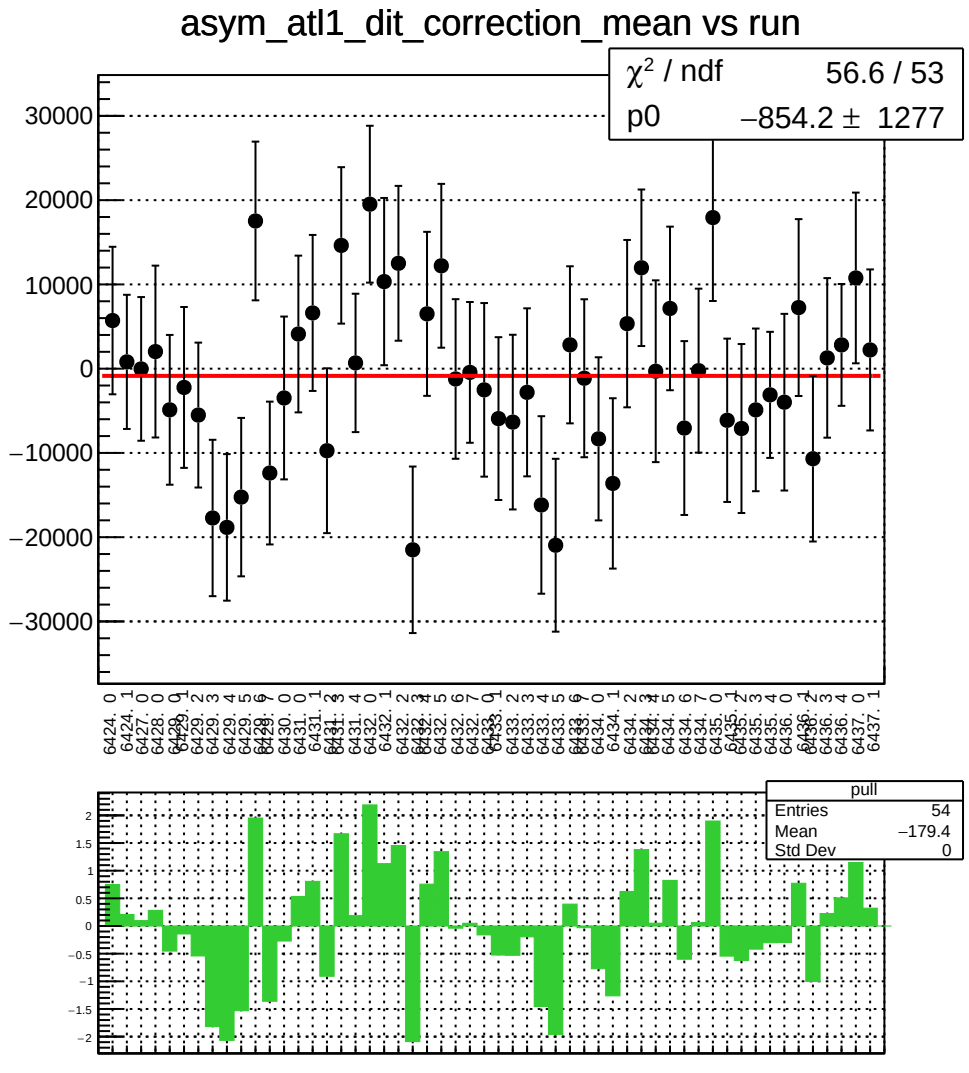

pull1D
Entries 54
Mean −0.004581
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

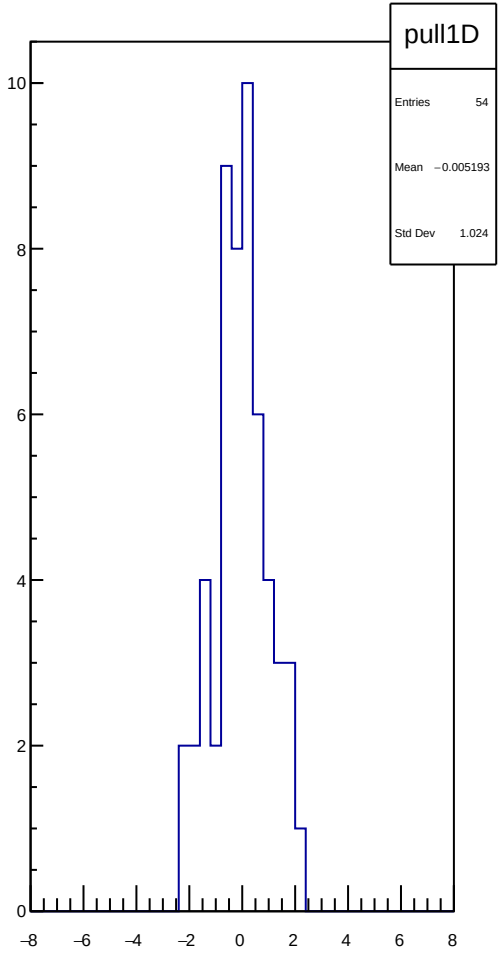

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 5853 / 53
p0 918.1 ± 0.9105
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

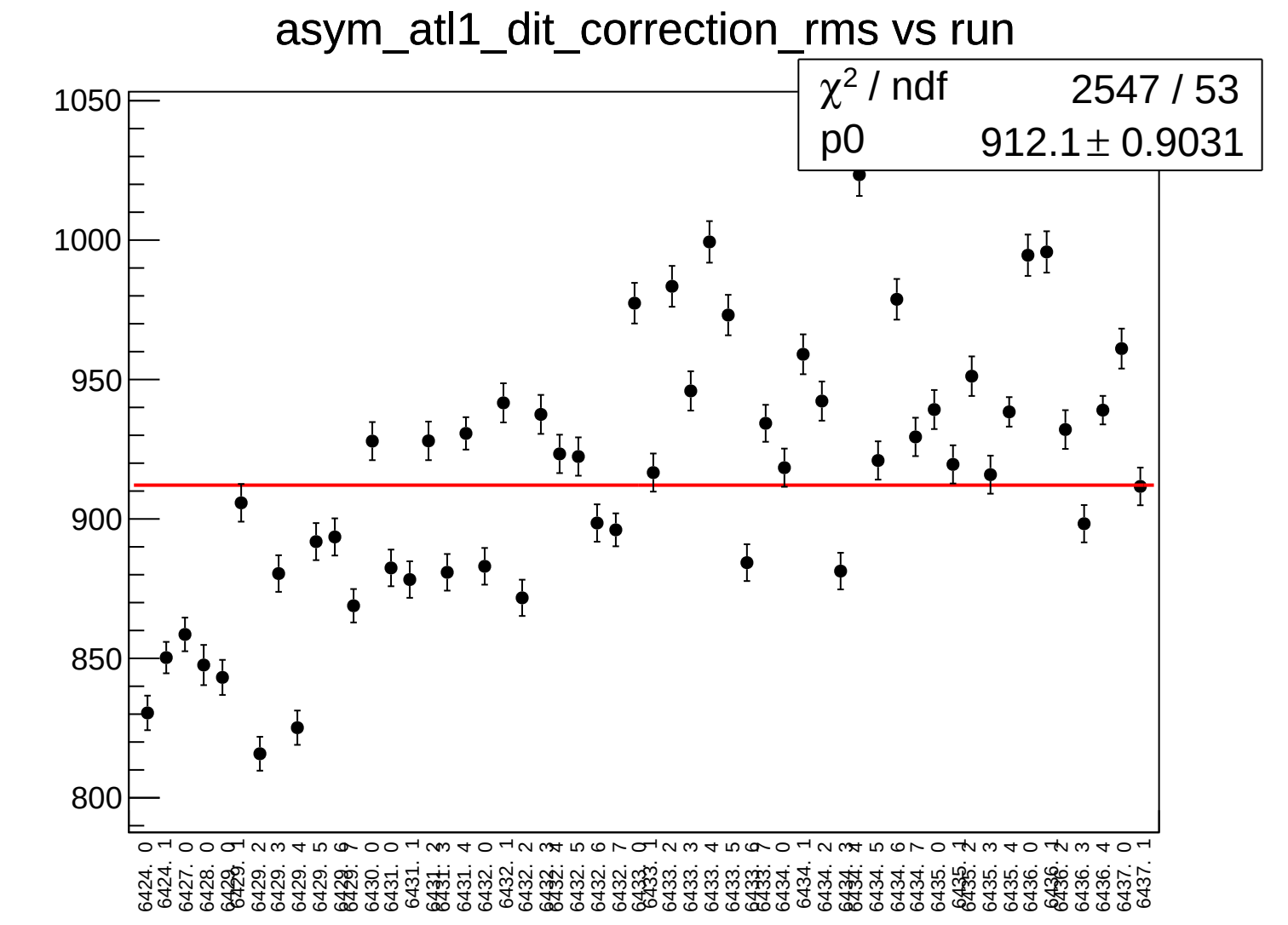

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 41.25 / 53
p0 −3019 ± 3387
pull
Entries 54
Mean 1.885
Std Dev 40.77


pull1D
Entries 54
Mean −0.01783
Std Dev 0.8739


dit_asym_atl1_rms vs run
χ² / ndf 285 / 53
p0 2421 ± 2.395
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1_dit_correction_mean vs run
χ² / ndf 56.6 / 53
p0 −854.2 ± 1277
pull
Entries 54
Mean −179.4
Std Dev 0


pull1D
Entries 54
Mean −0.005193
Std Dev 1.024


asym_atl1_dit_correction_rms vs run
χ² / ndf 2547 / 53
p0 912.1 ± 0.9031
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
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6434. 1
6434. 2
6434. 5
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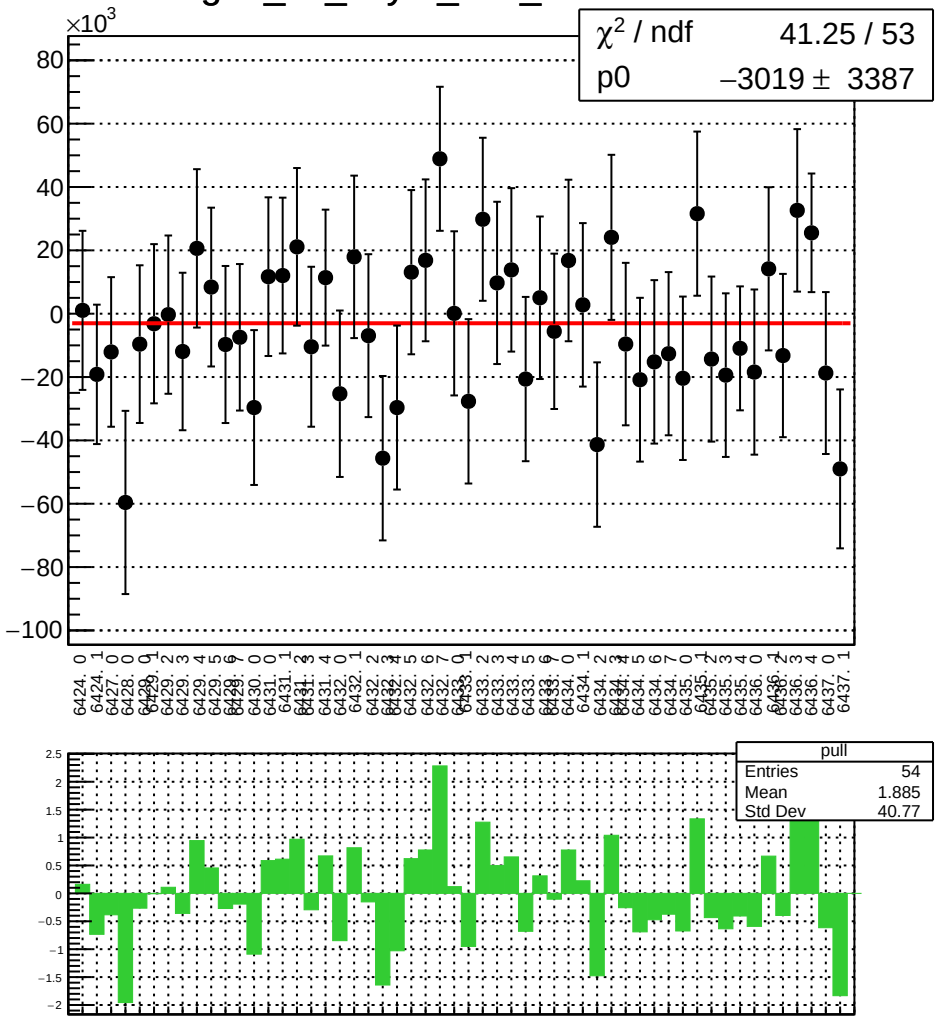
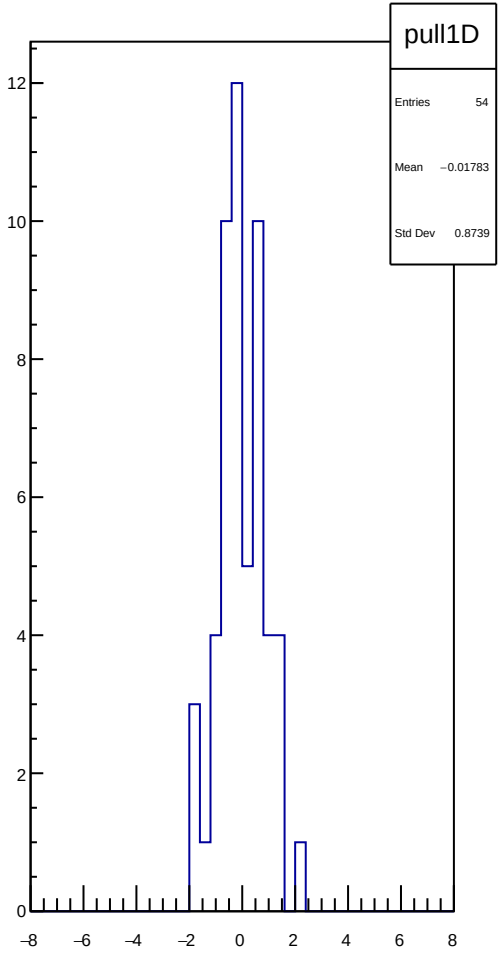
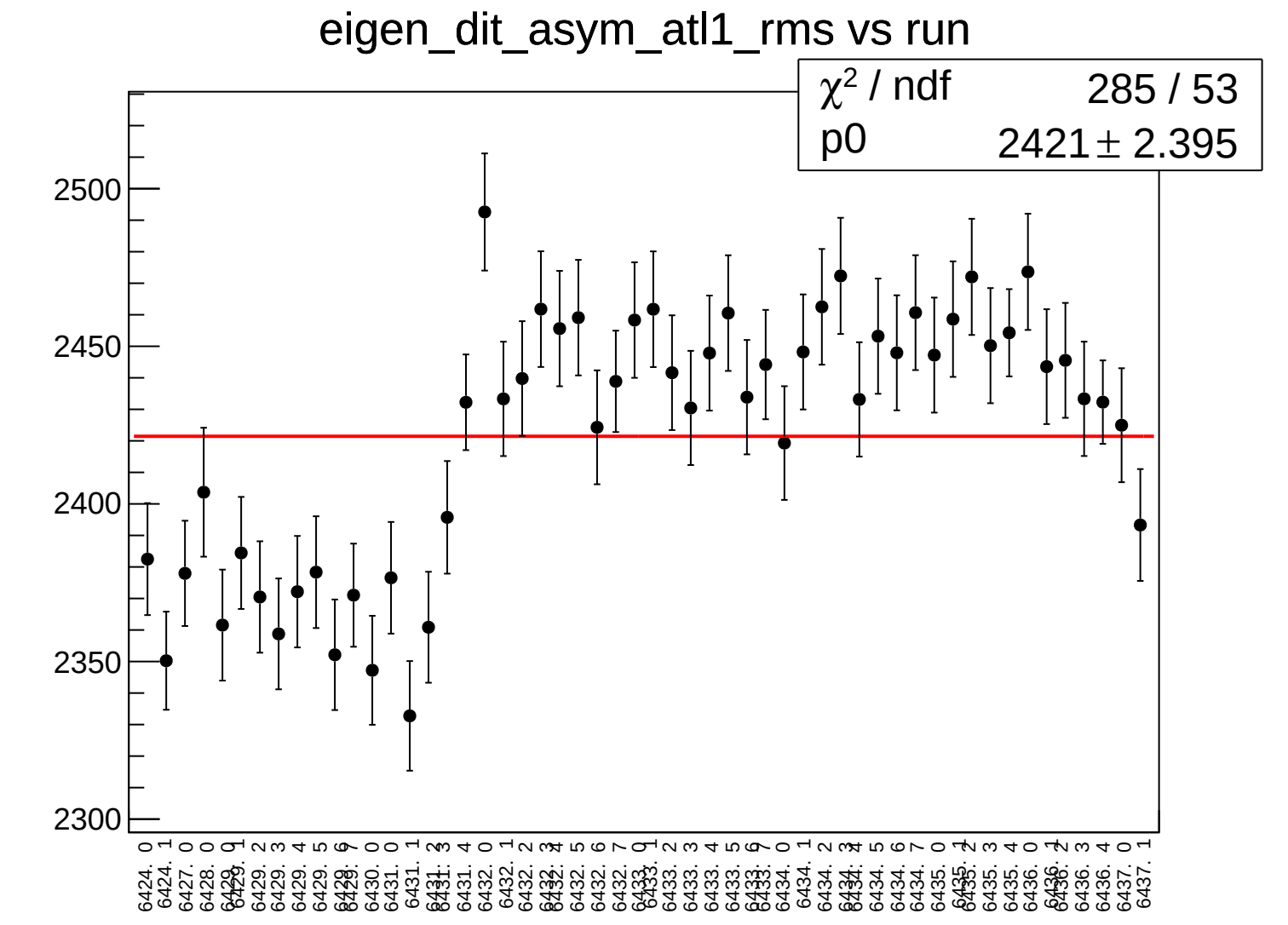
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_atl1_mean vs run
χ² / ndf 41.25 / 53
p0 −3019 ± 3387
pull
Entries 54
Mean 1.885
Std Dev 40.77


pull1D
Entries 54
Mean −0.01783
Std Dev 0.8739


eigen_dit_asym_atl1_rms vs run
χ² / ndf 285 / 53
p0 2421 ± 2.395
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
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6432. 7
6433. 2
6433. 3
6433. 4
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6434. 5
6434. 6
6434. 7
6435. 0
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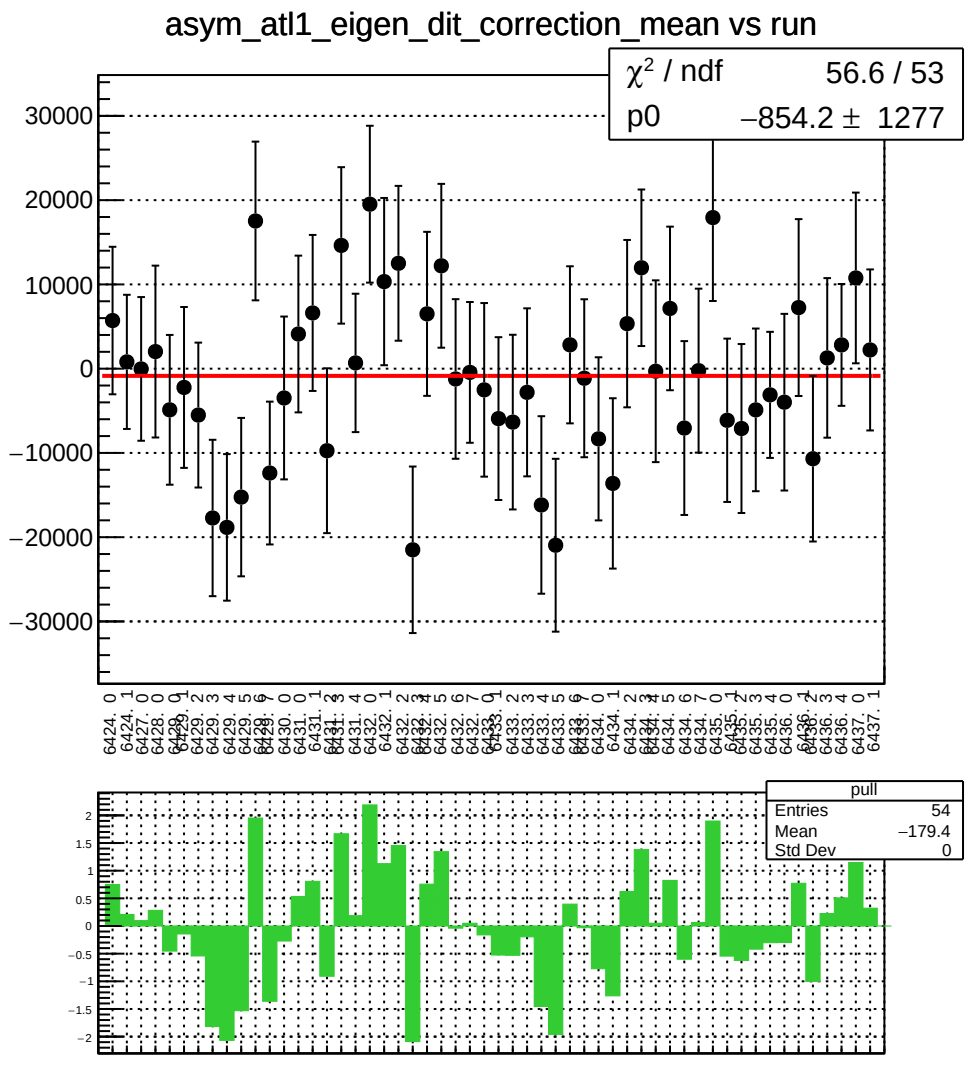
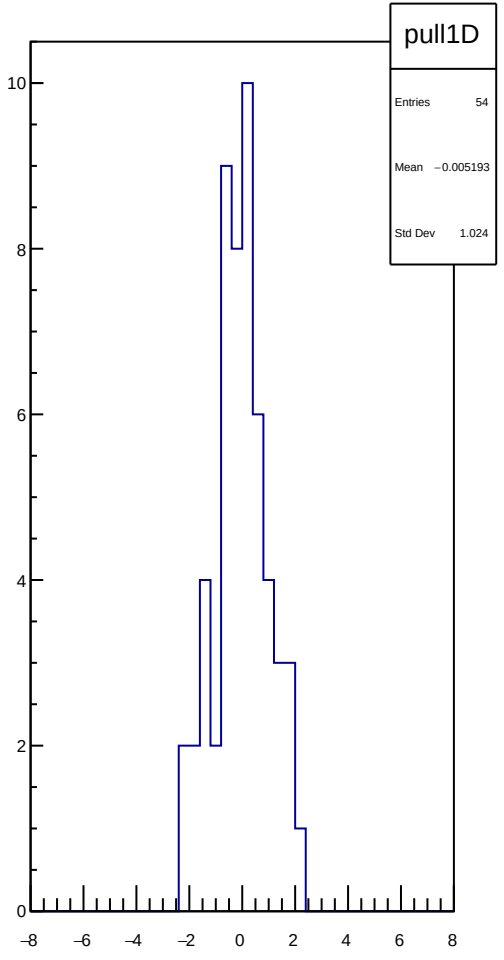
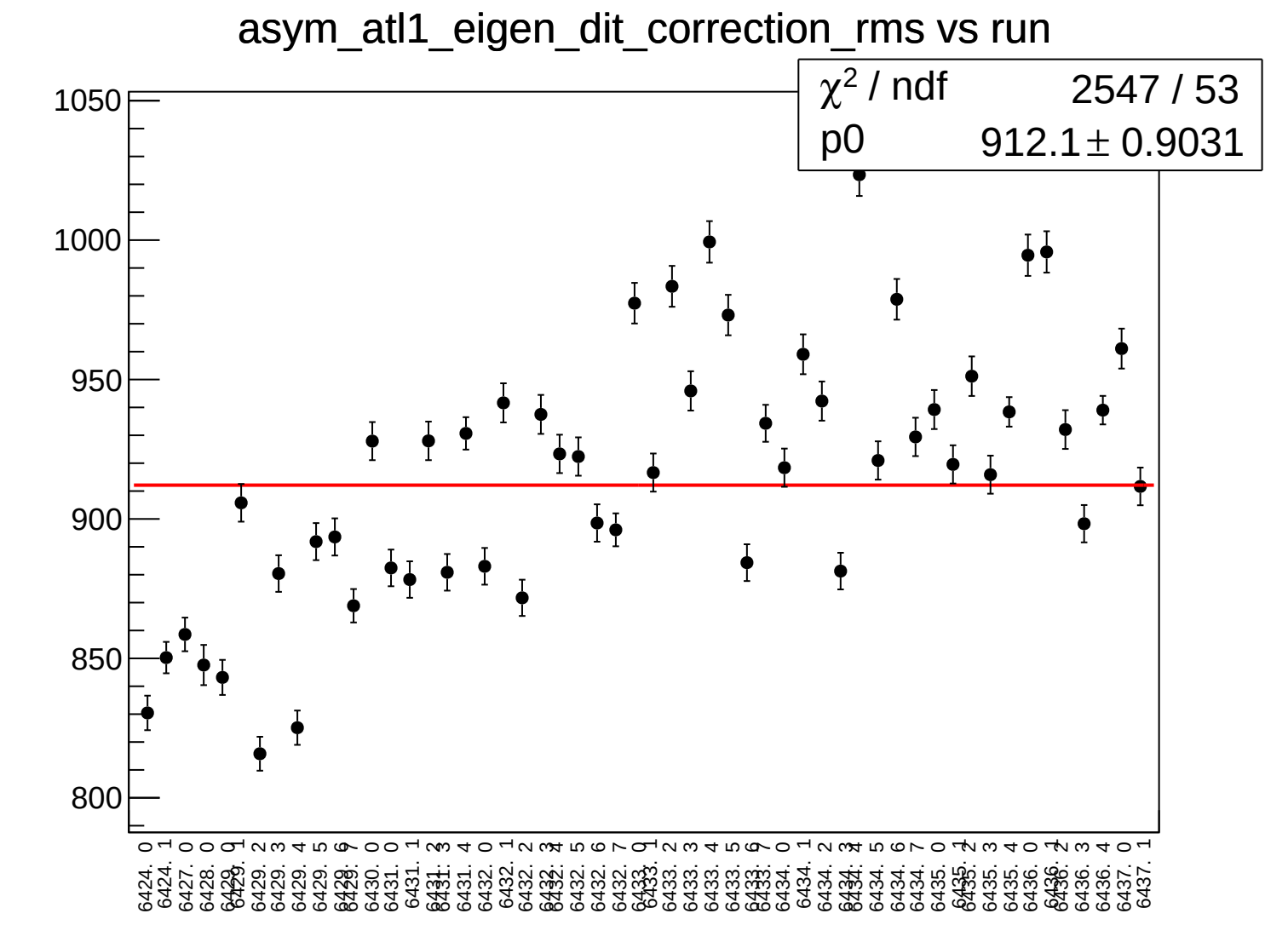
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 56.6 / 53
p0 −854.2 ± 1277
pull
Entries 54
Mean −179.4
Std Dev 0


pull1D
Entries 54
Mean −0.005193
Std Dev 1.024


asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 2547 / 53
p0 912.1 ± 0.9031
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
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6432. 7
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6434. 0
6434. 1
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6434. 5
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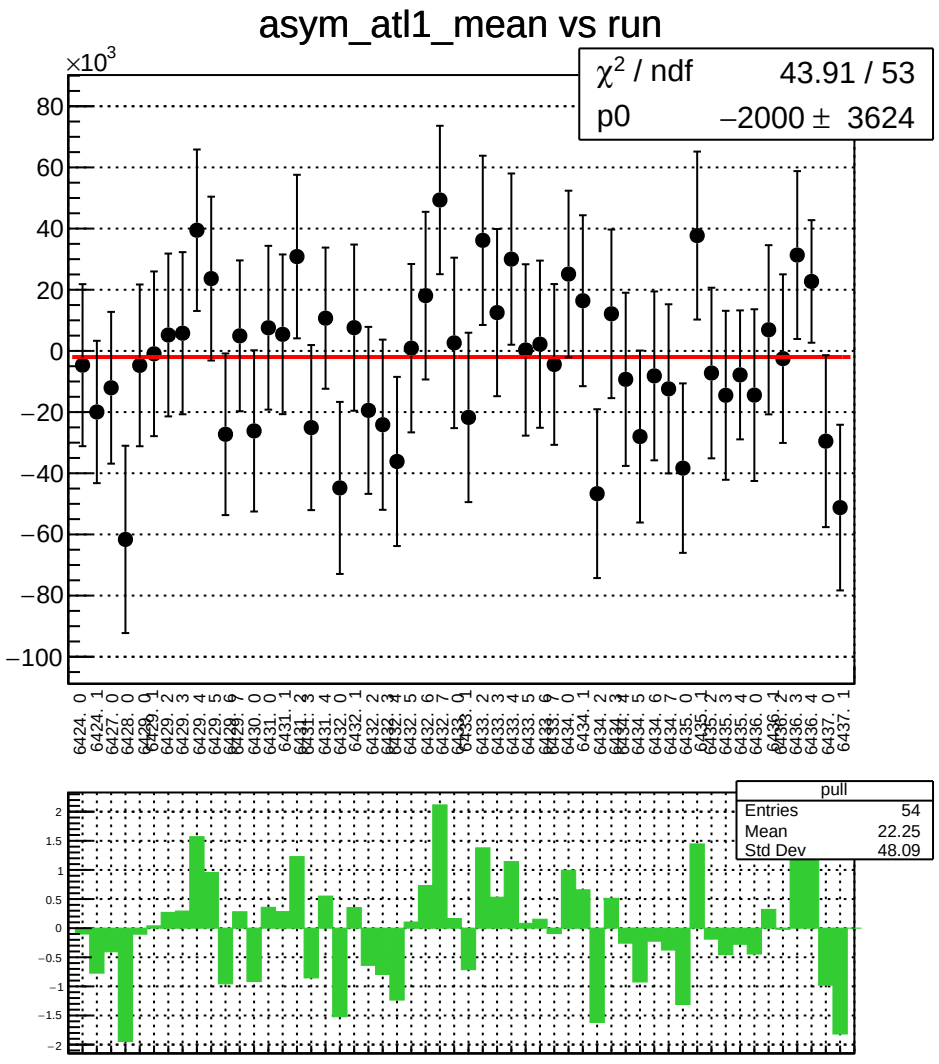
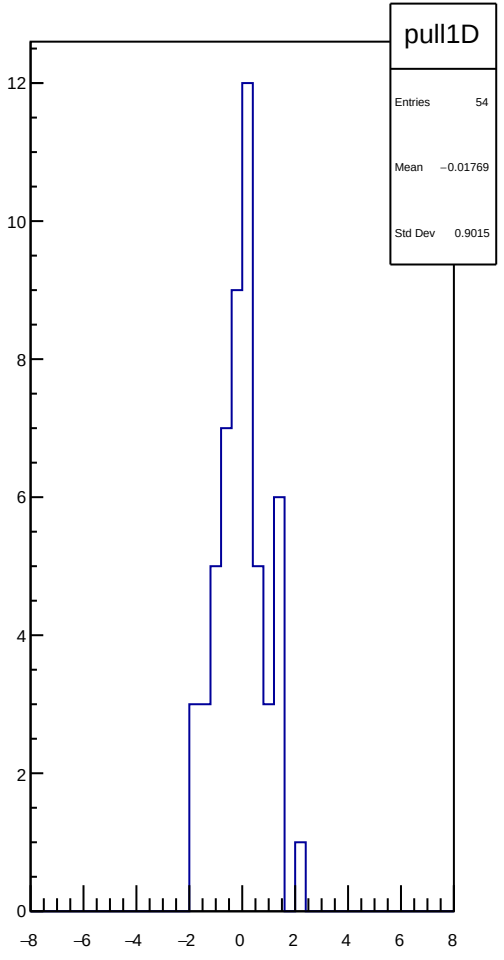
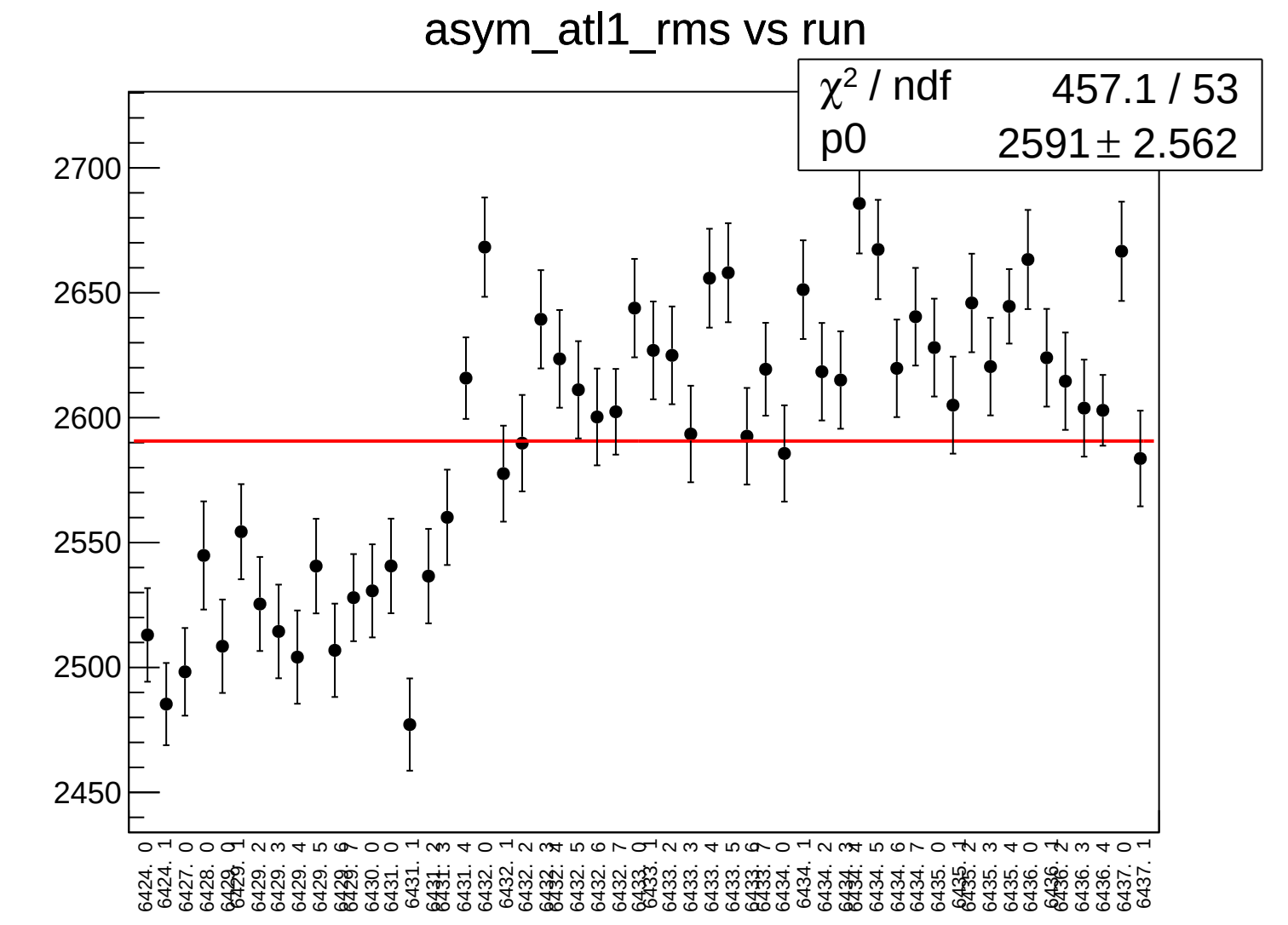
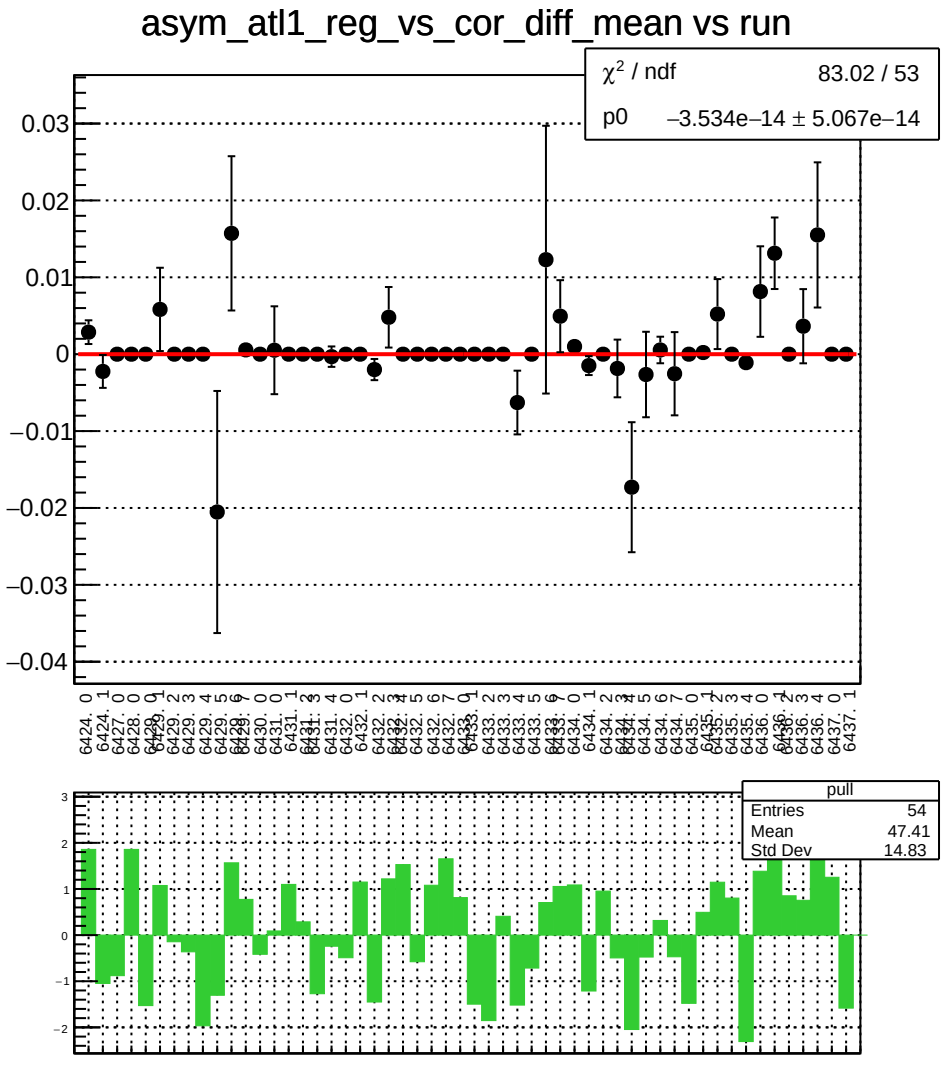
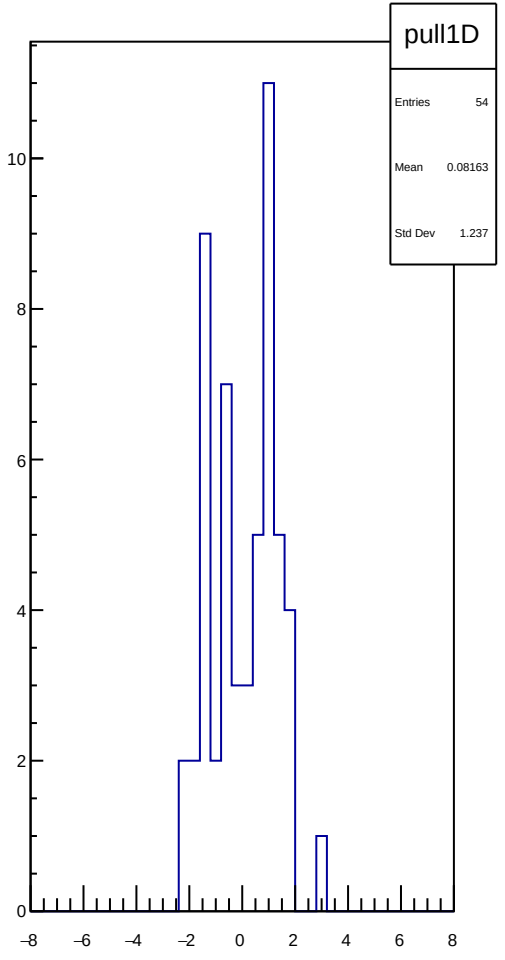
6436. 3
6436. 4
6437. 0
6437. 1

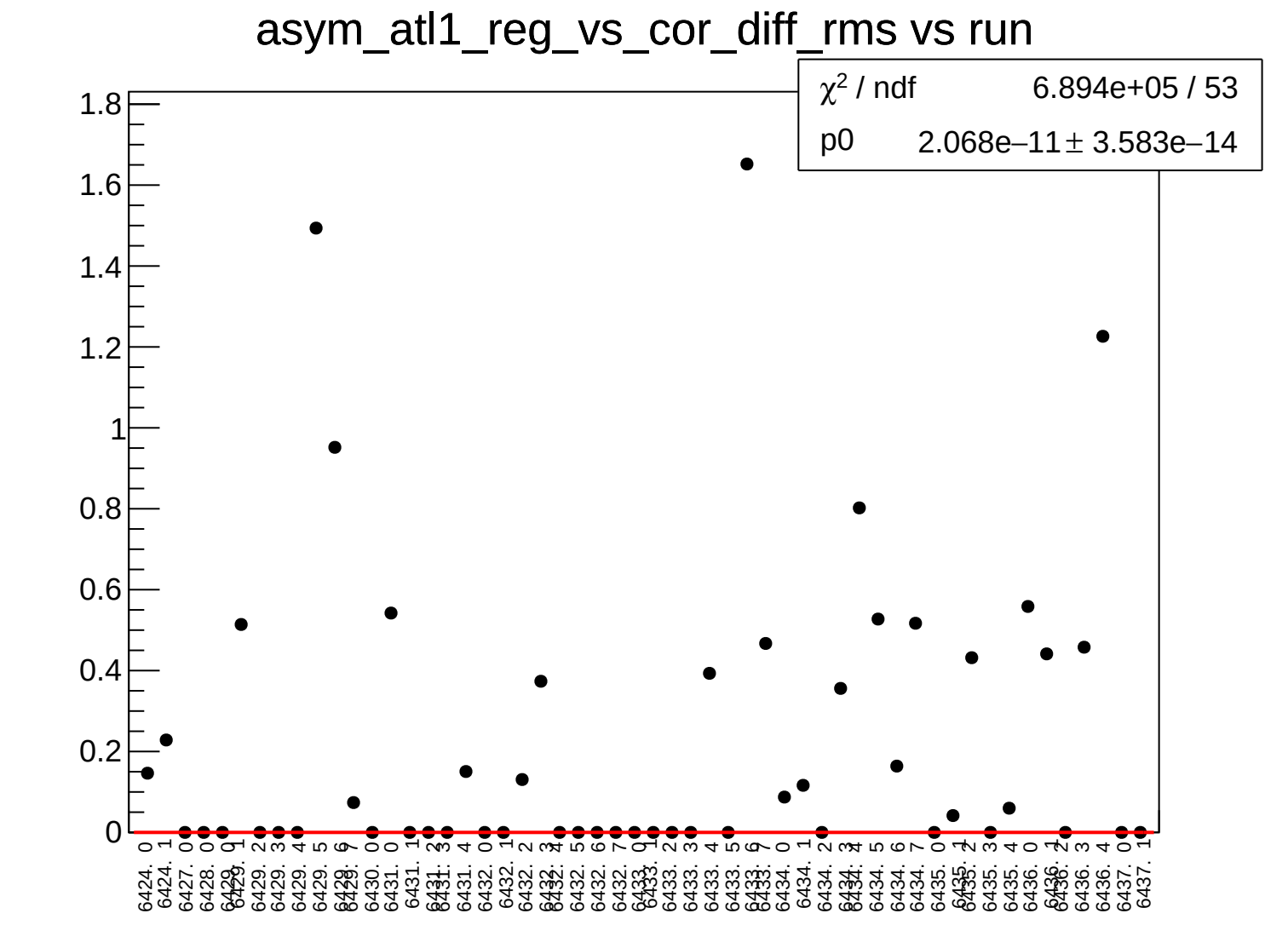

asym_atl1_mean vs run
×10^3
χ² / ndf 43.91 / 53
p0 −2000 ± 3624
pull
Entries 54
Mean 22.25
Std Dev 48.09

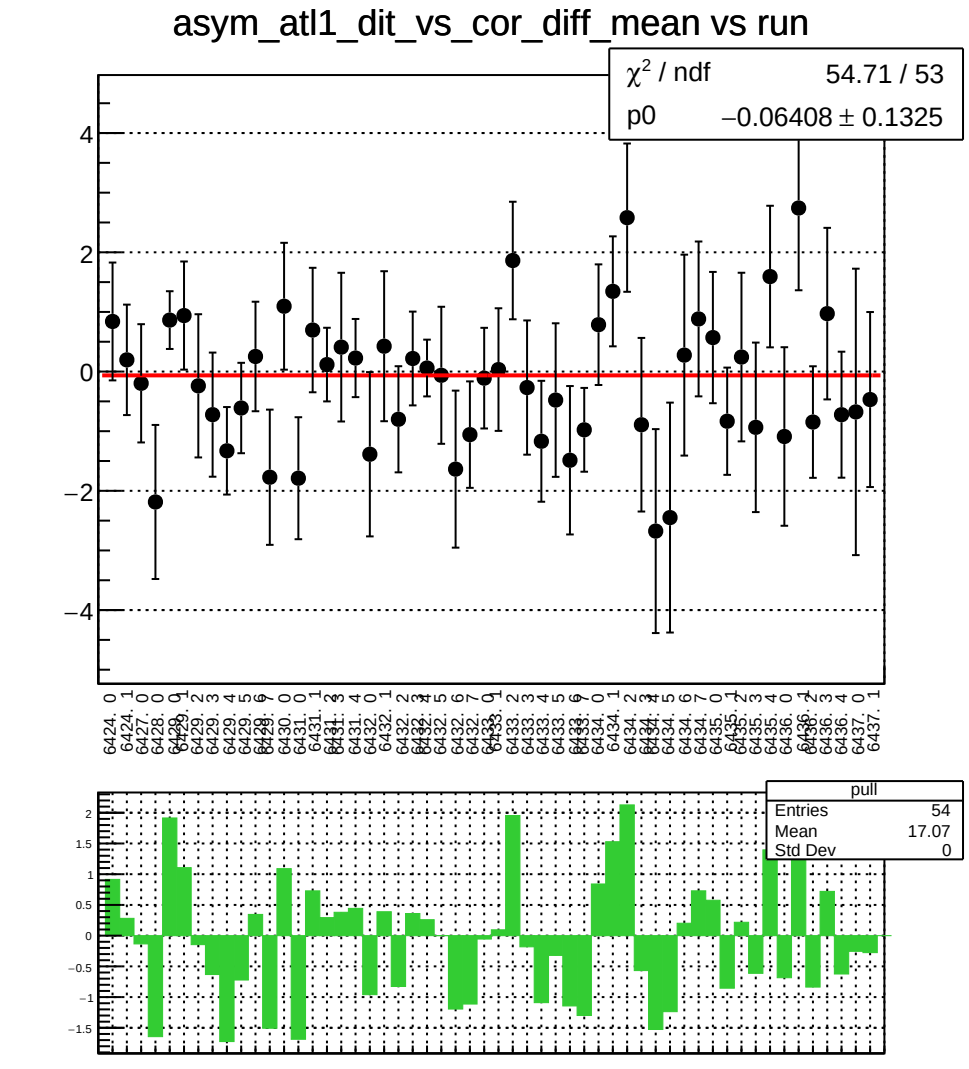

pull1D
Entries 54
Mean −0.01769
Std Dev 0.9015

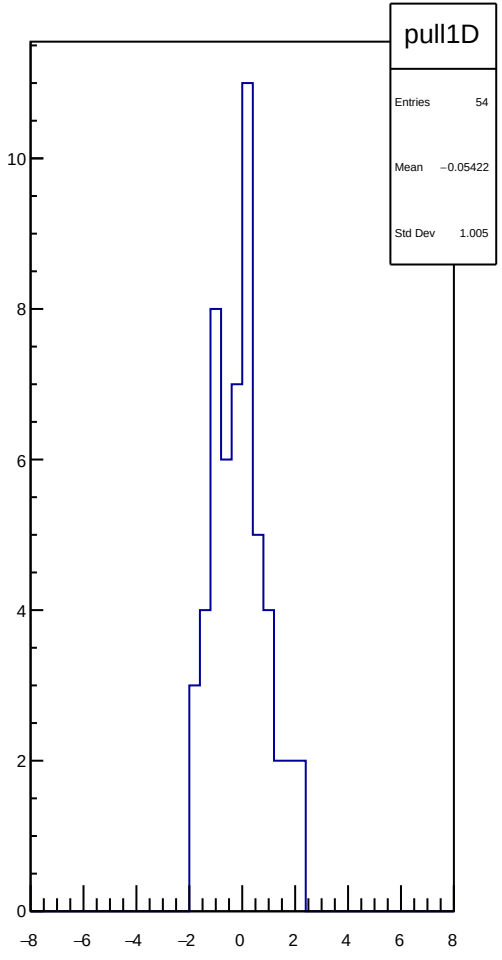

asym_atl1_rms vs run
χ² / ndf 457.1 / 53
p0 2591 ± 2.562
2700
2650
2600
2550
2500
2450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

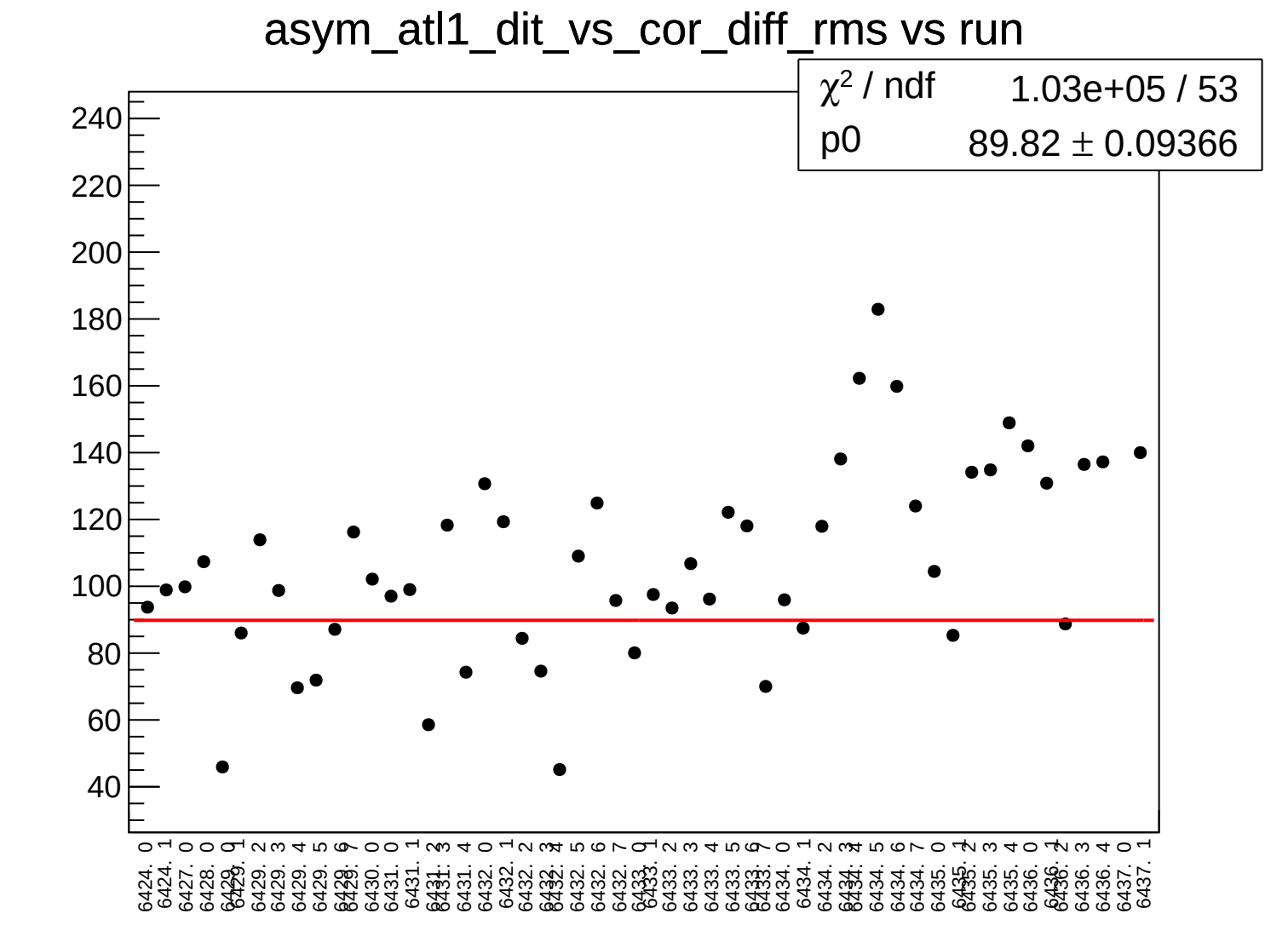

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 83.02 / 53
p0 −3.534e−14 ± 5.067e−14
pull
Entries 54
Mean 47.41
Std Dev 14.83

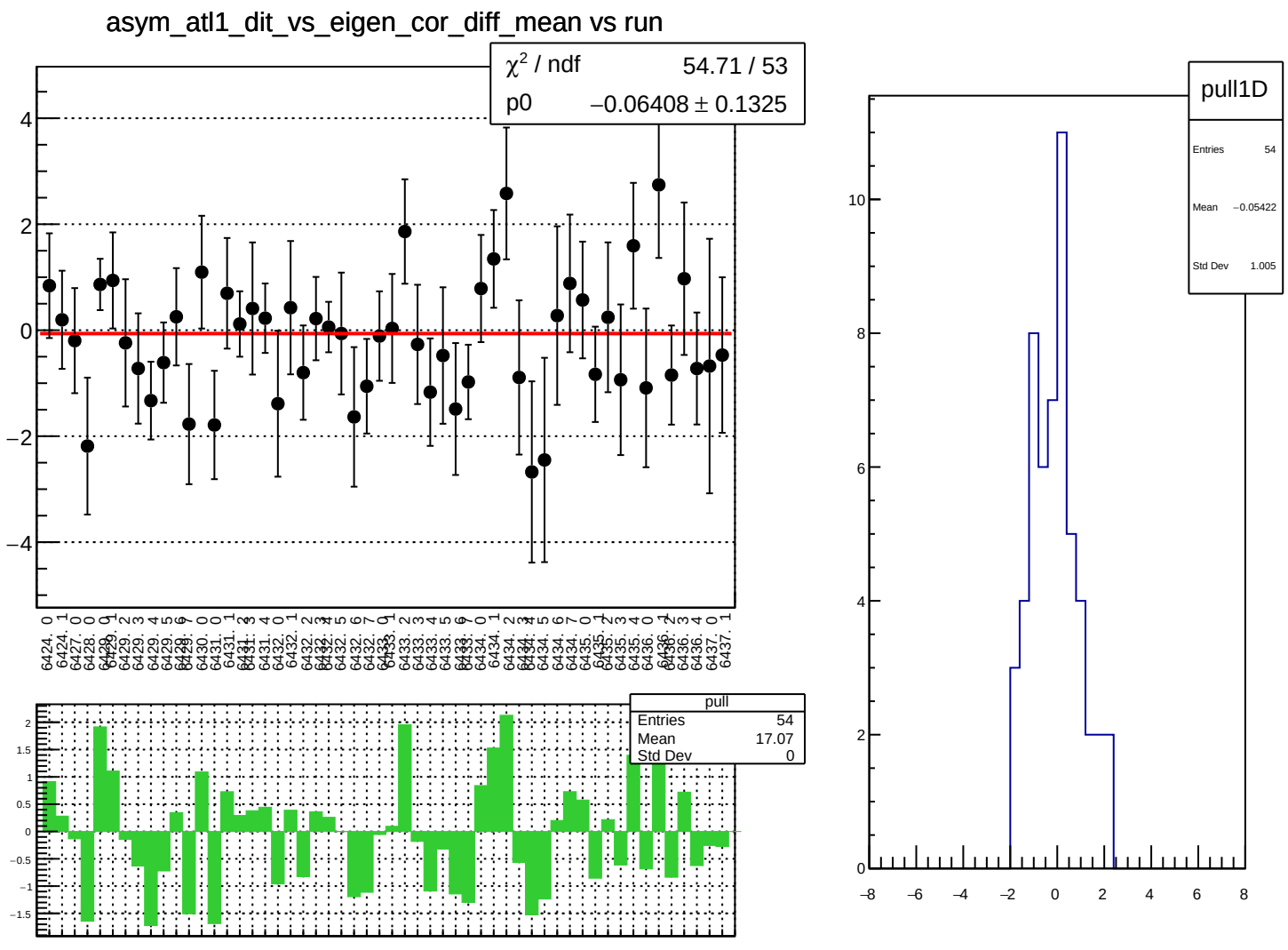

pull1D
Entries 54
Mean 0.08163
Std Dev 1.237

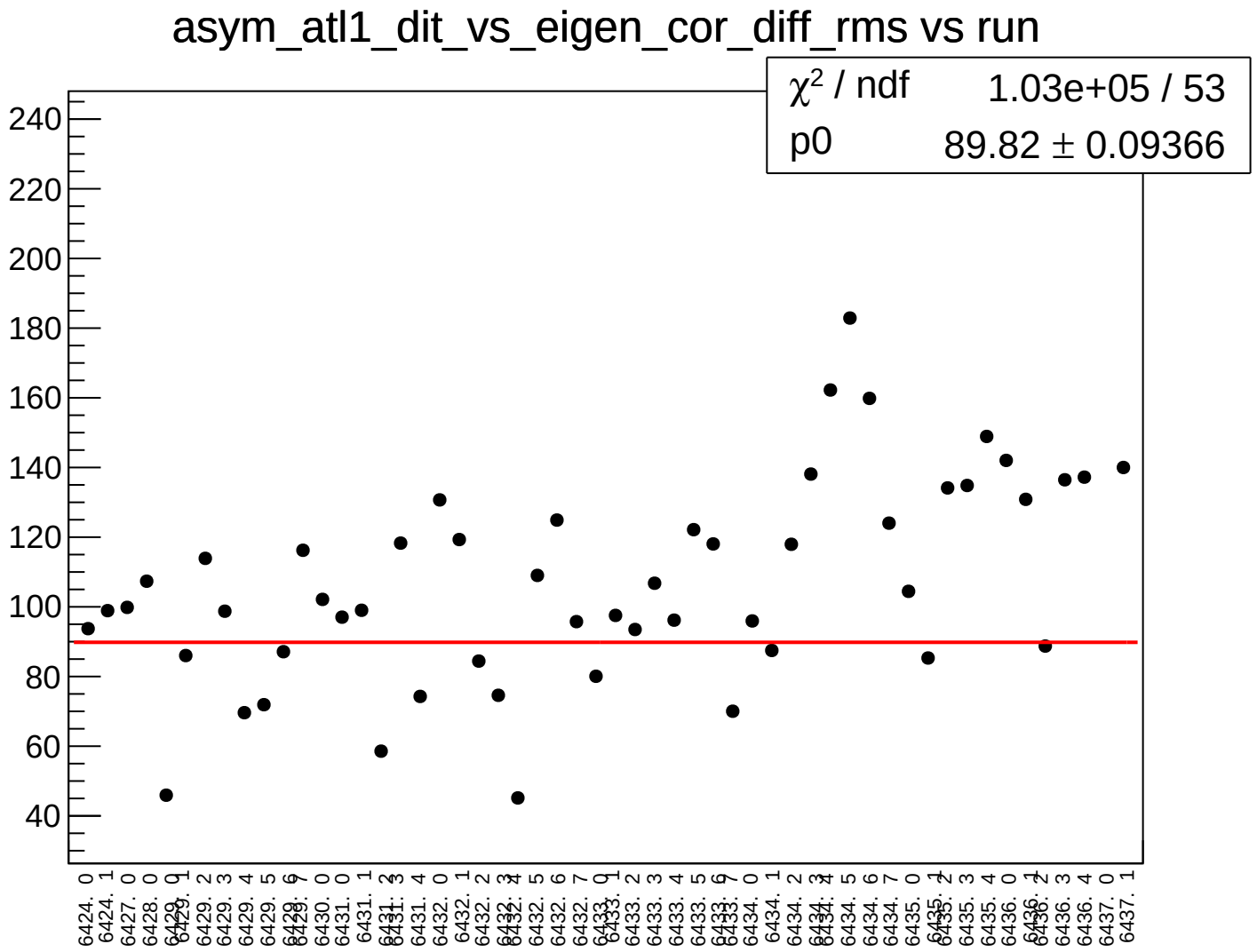

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.894e+05 / 53
p0 2.068e−11 ± 3.583e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

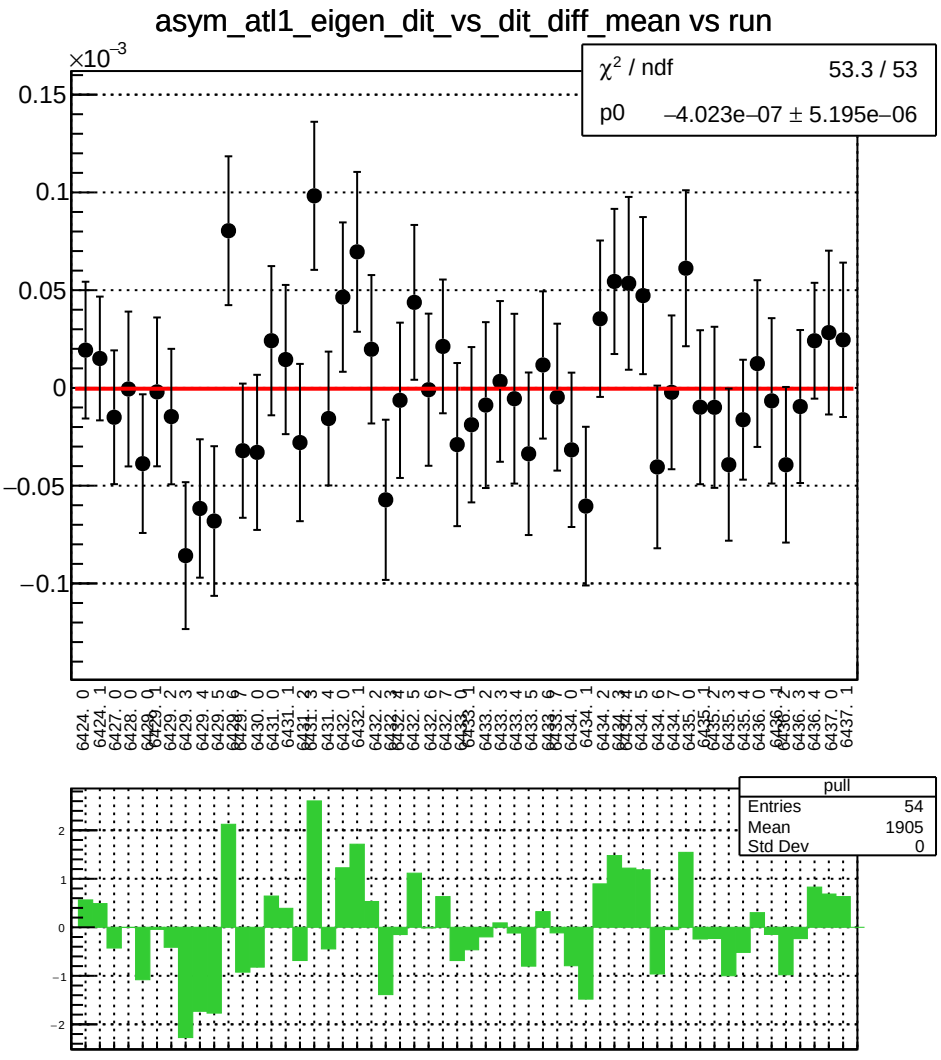

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 54.71 / 53
p0 −0.06408 ± 0.1325
pull
Entries 54
Mean 17.07
Std Dev 0

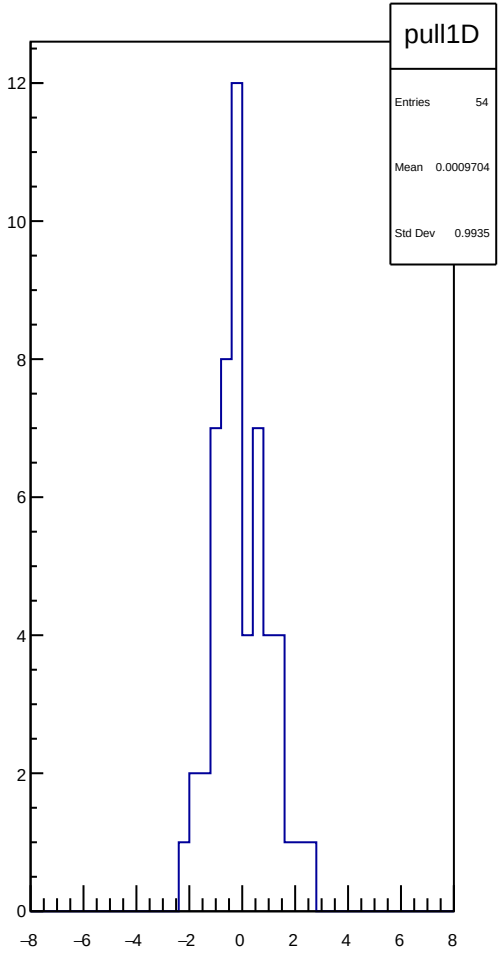

pull1D
Entries 54
Mean −0.05422
Std Dev 1.005

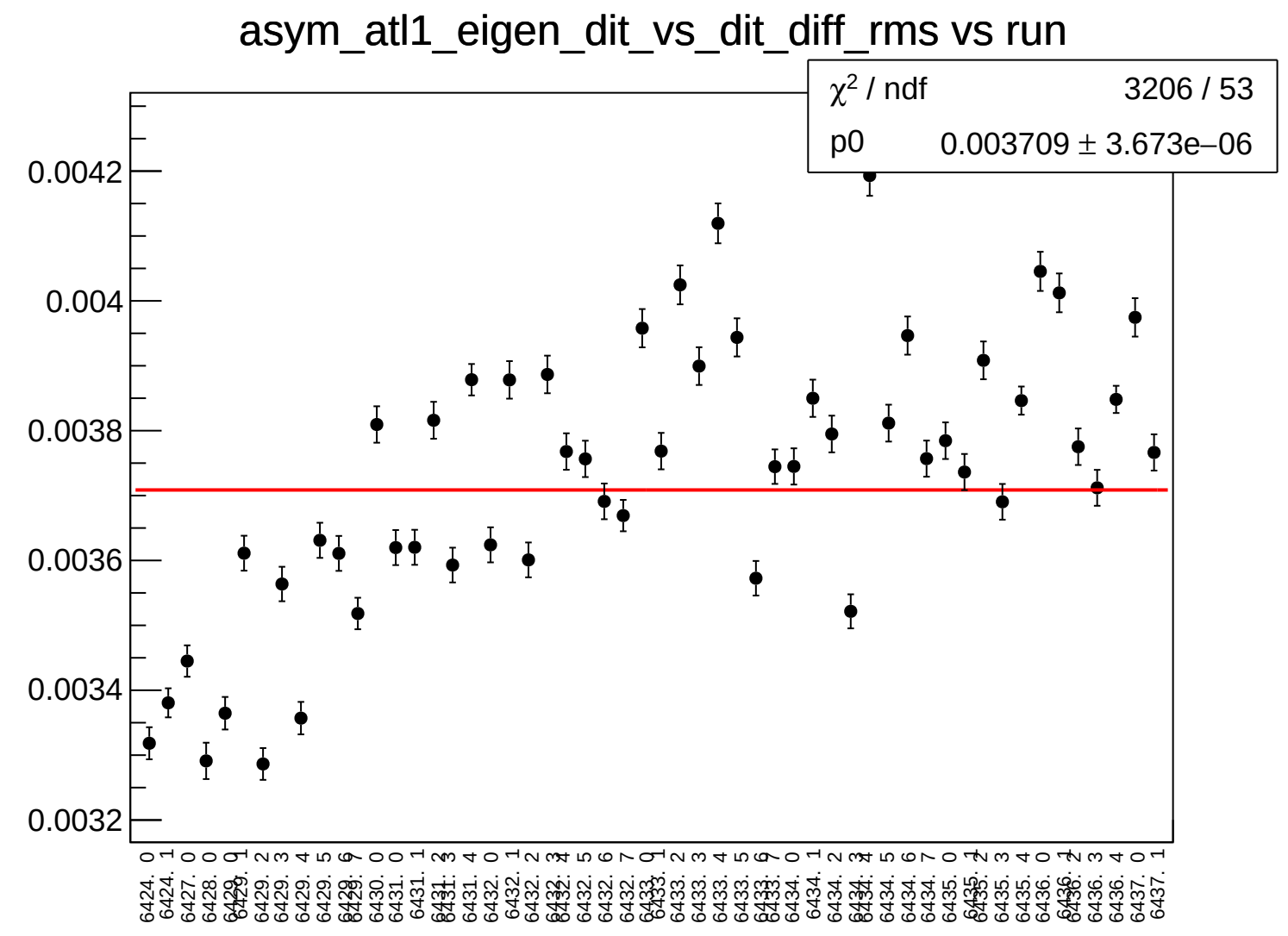

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.03e+05 / 53
p0 89.82 ± 0.09366
240
220
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

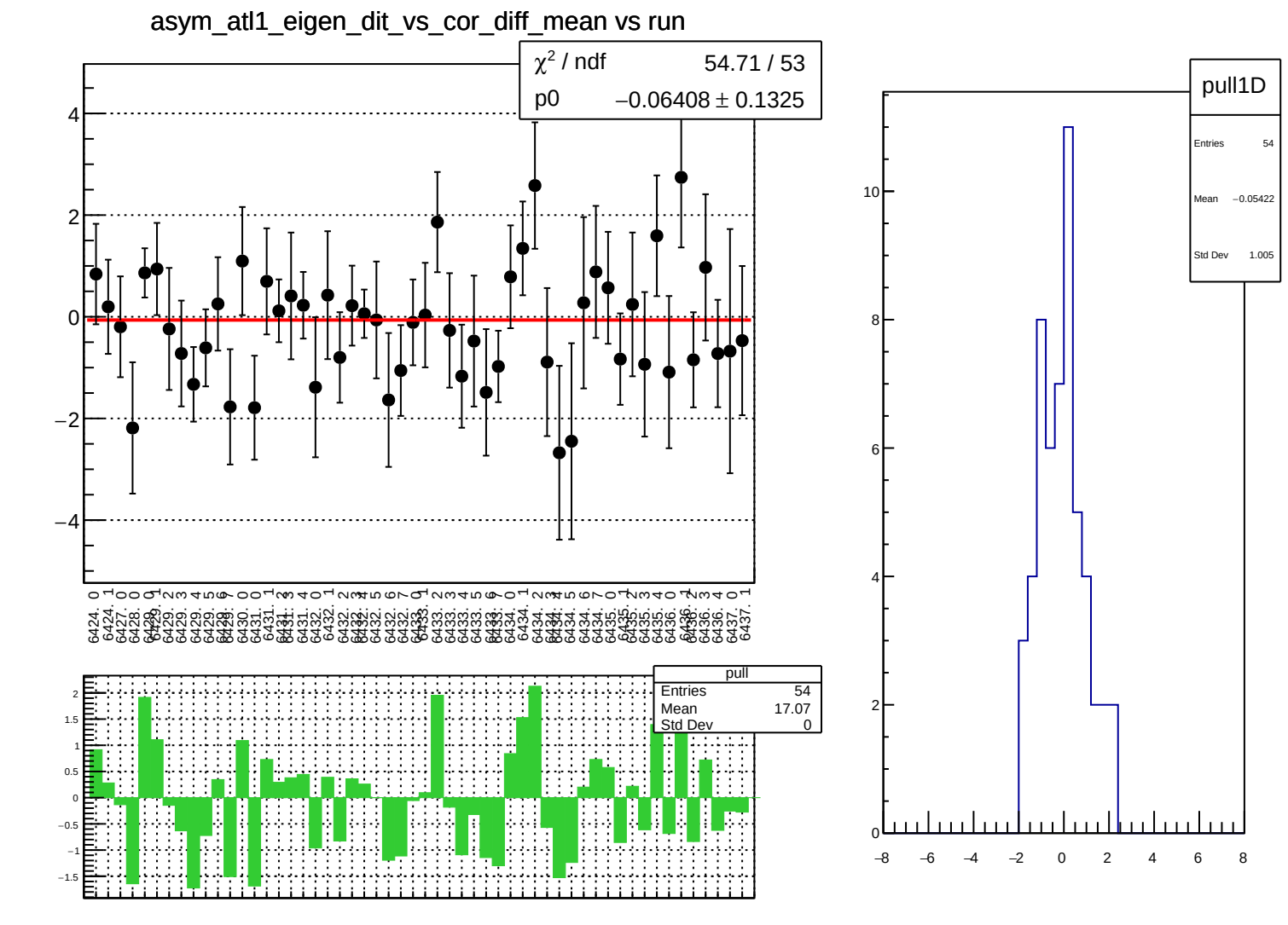

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.71 / 53
p0 −0.06408 ± 0.1325
pull
Entries 54
Mean 17.07
Std Dev 0
pull1D
Entries 54
Mean −0.05422
Std Dev 1.005

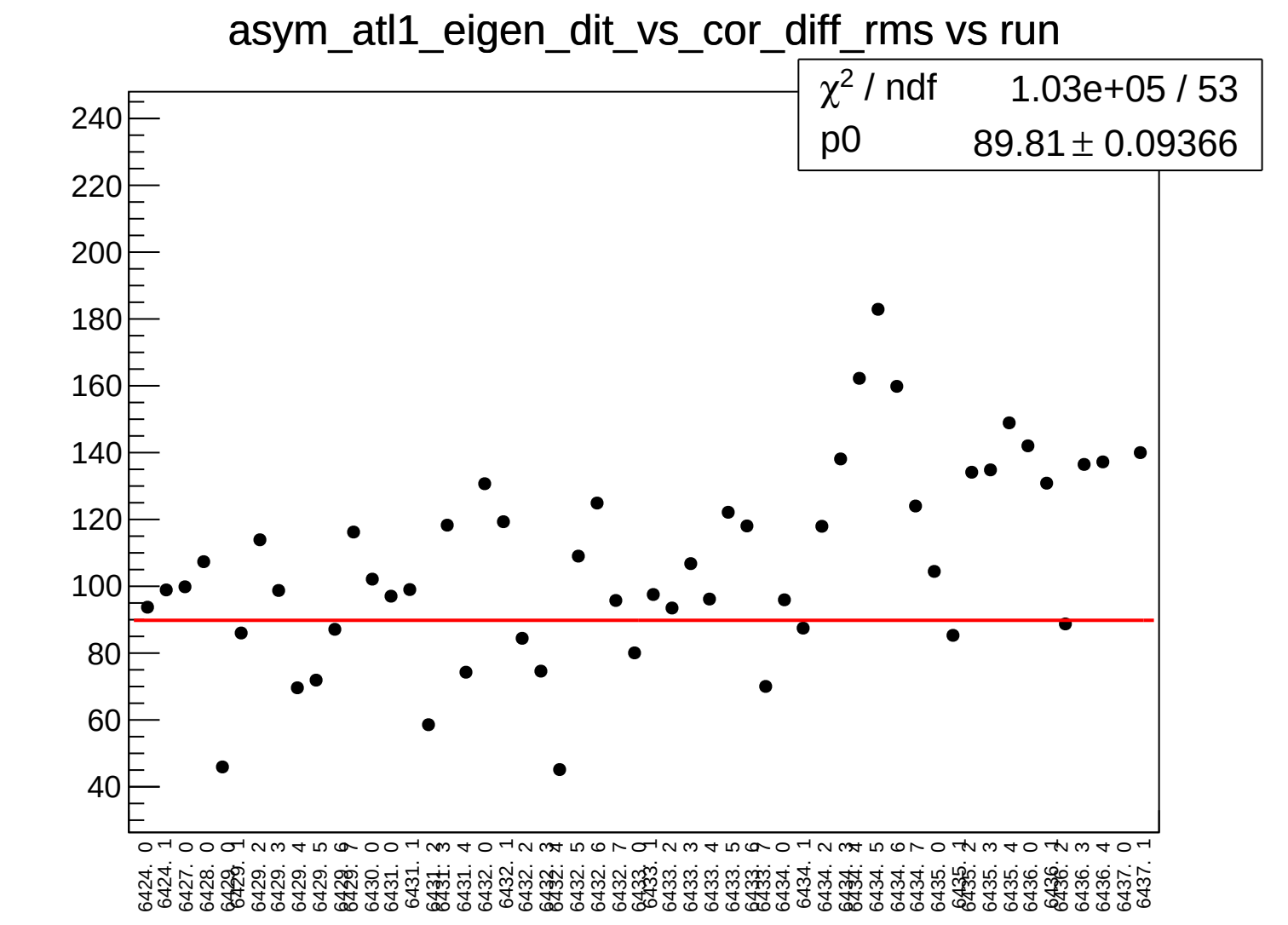

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.03e+05 / 53
p0 89.82 ± 0.09366
240
220
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

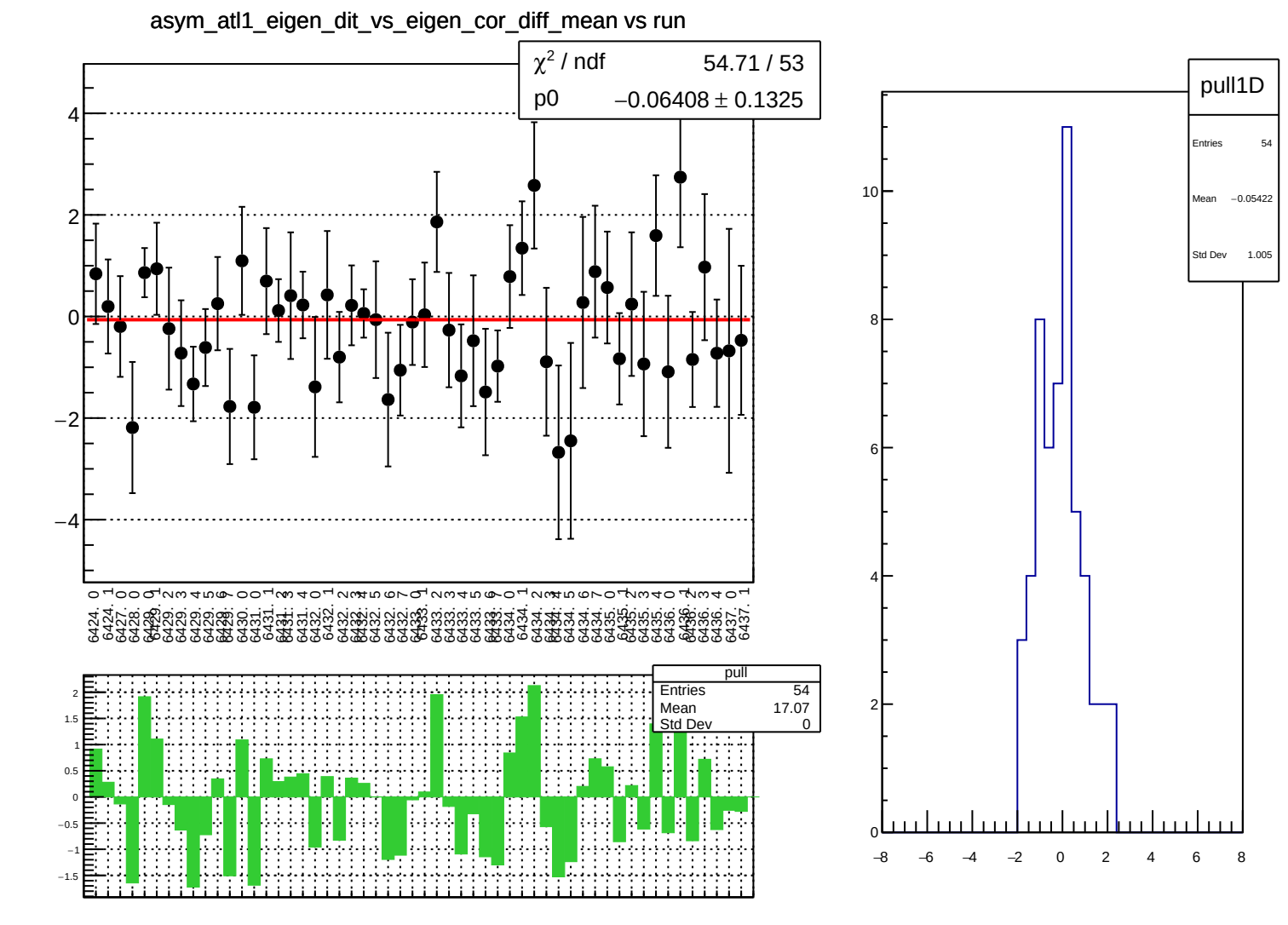

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.3 / 53
p0 −4.023e−07 ± 5.195e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 1905
Std Dev 0
2
1
0
−1
−2

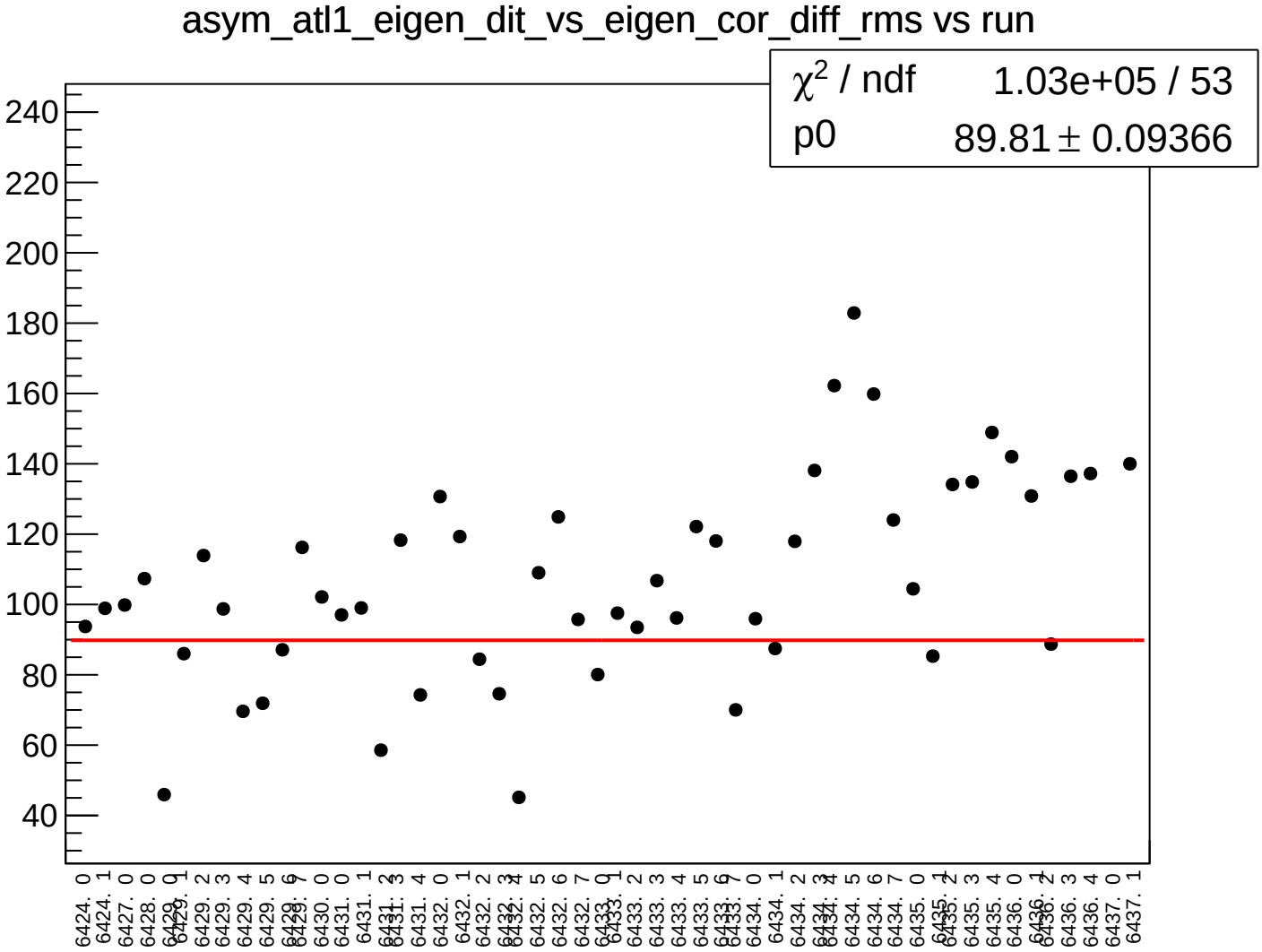

pull1D
Entries 54
Mean 0.0009704
Std Dev 0.9935
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

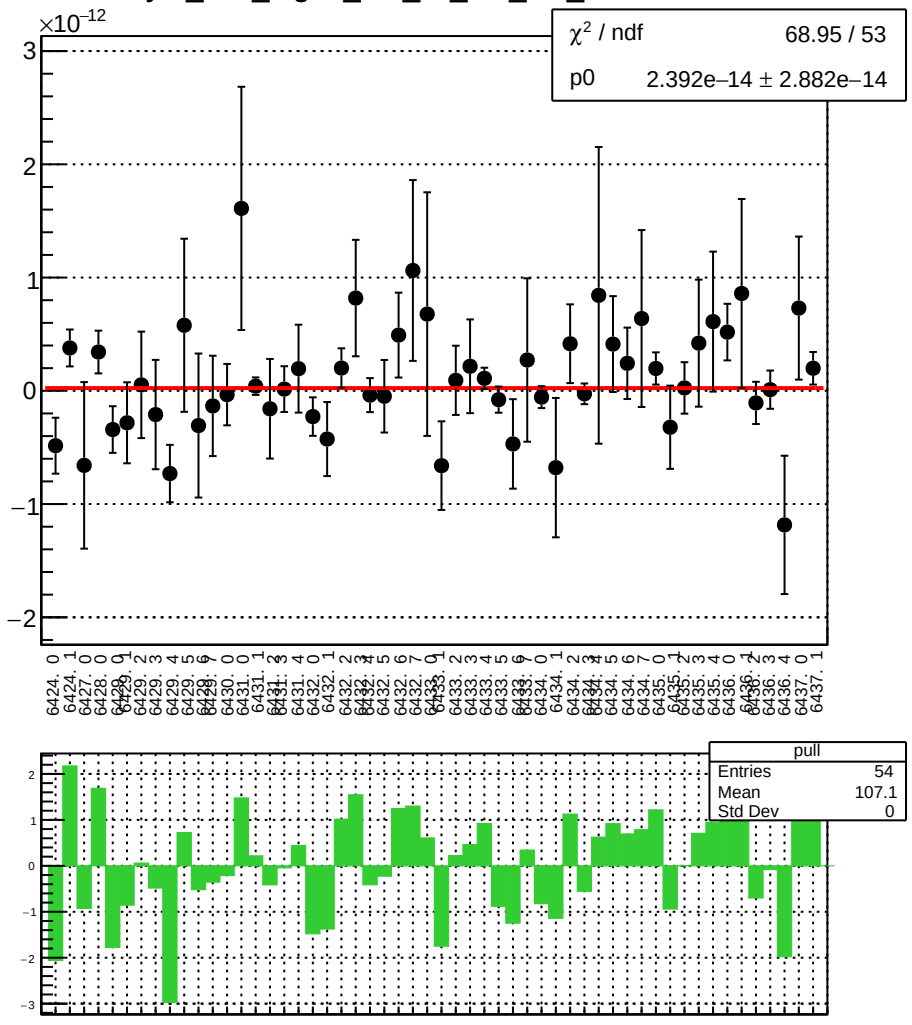

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3206 / 53
p0 0.003709 ± 3.673e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

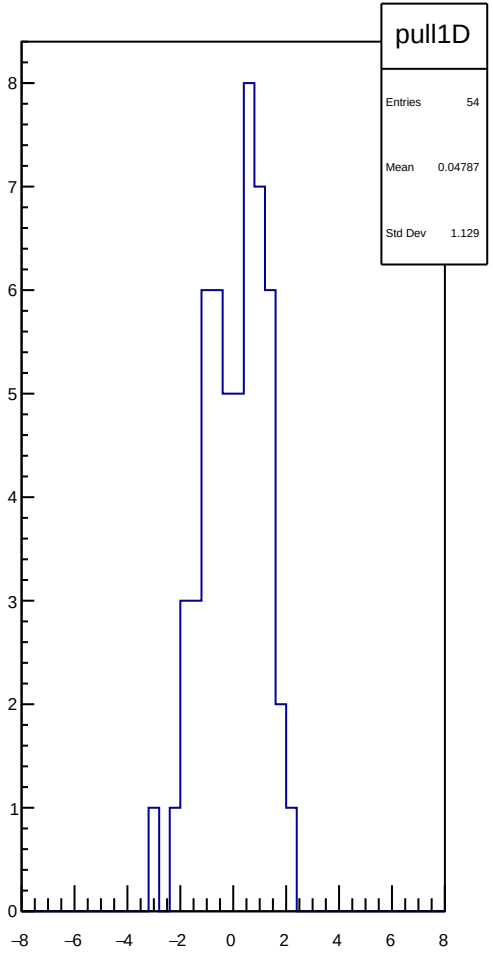

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.71 / 53
p0 −0.06408 ± 0.1325
pull
Entries 54
Mean 17.07
Std Dev 0
pull1D
Entries 54
Mean −0.05422
Std Dev 1.005

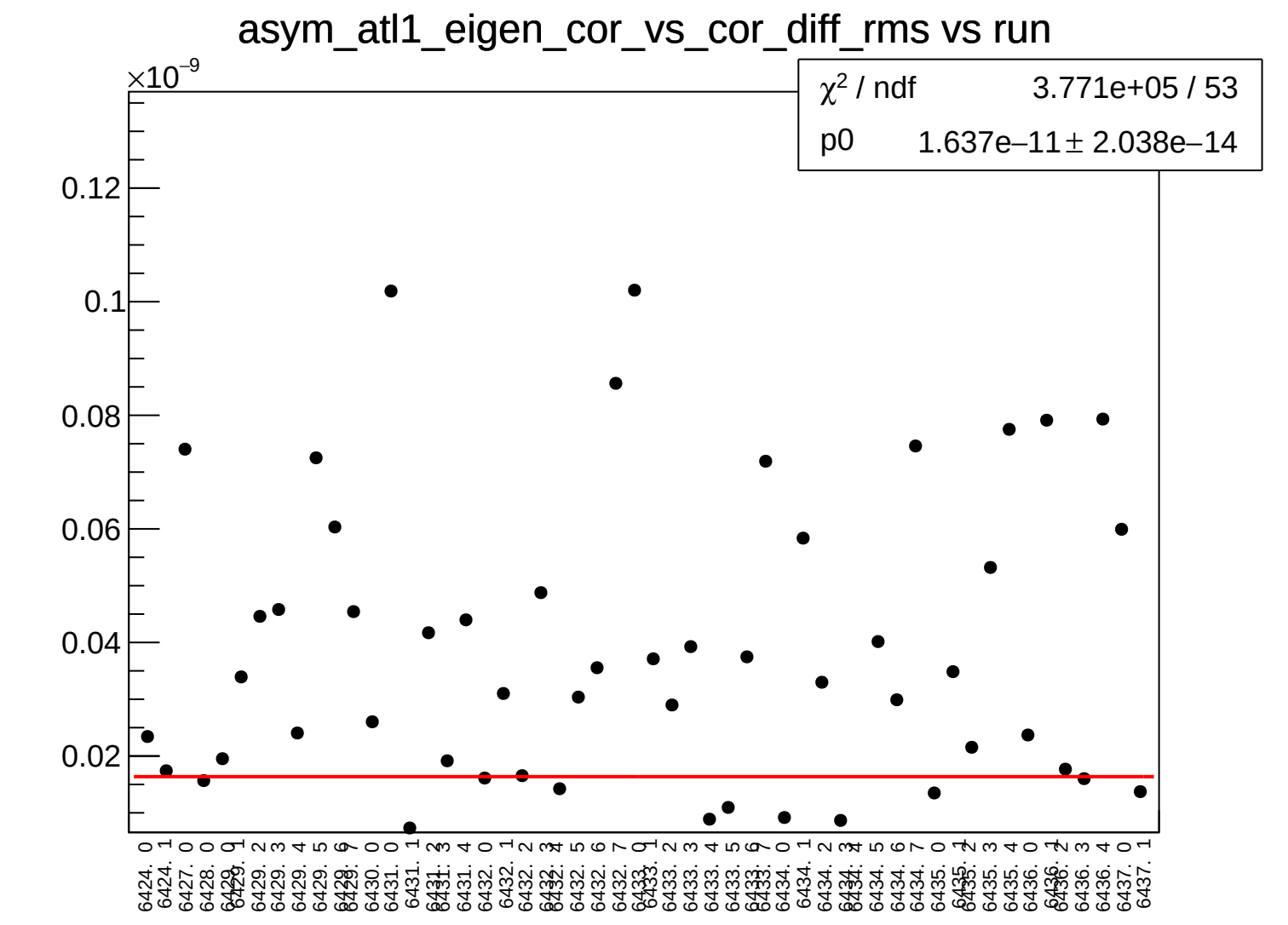

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.03e+05 / 53
p0 89.81 ± 0.09366
240
220
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

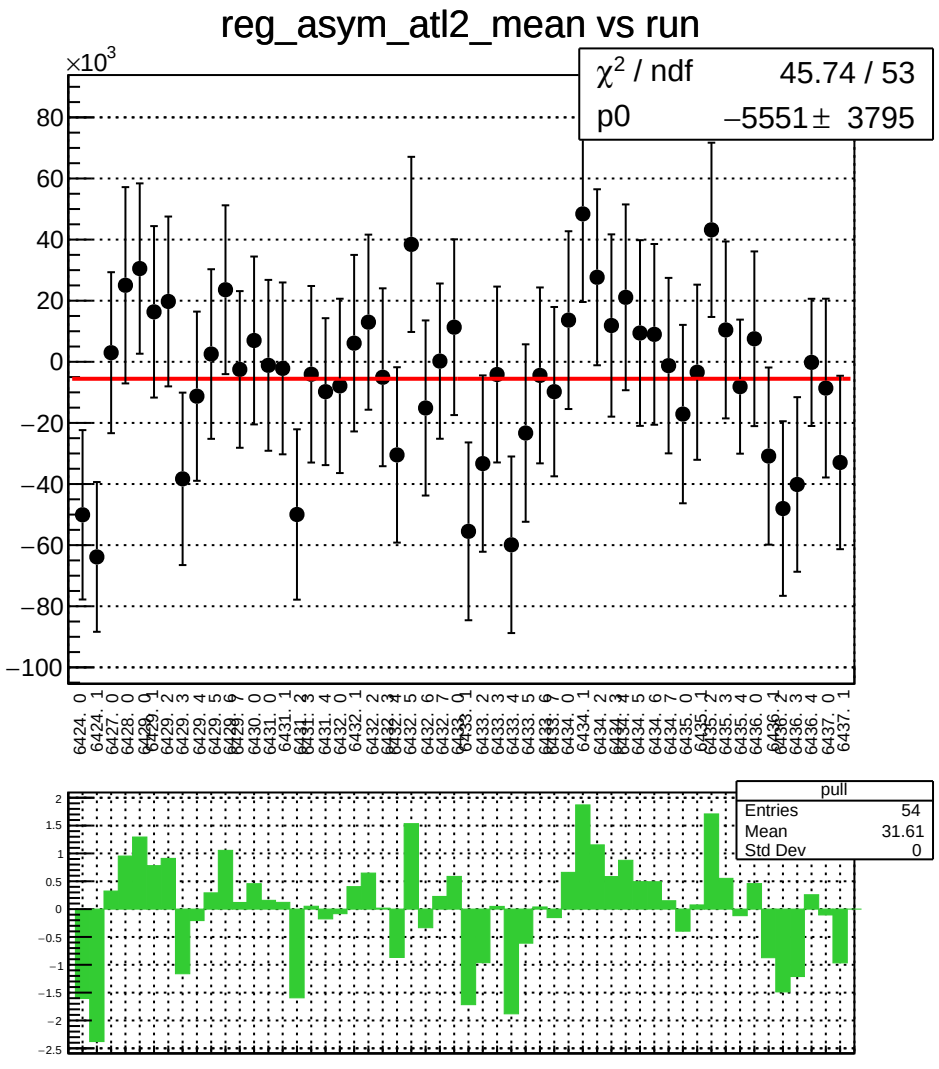

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.71 / 53
p0 −0.06408 ± 0.1325
pull
Entries 54
Mean 17.07
Std Dev 0
pull1D
Entries 54
Mean −0.05422
Std Dev 1.005

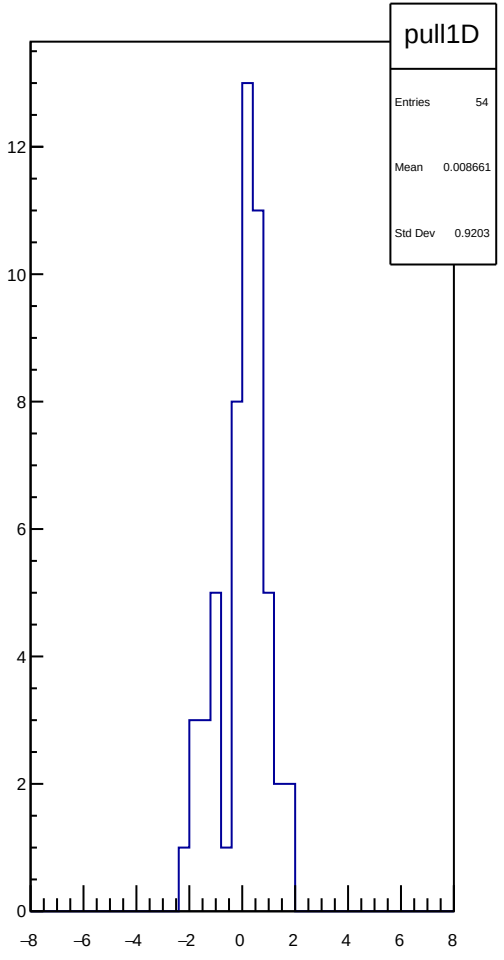

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.03e+05 / 53
p0 89.81 ± 0.09366
240
220
200
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

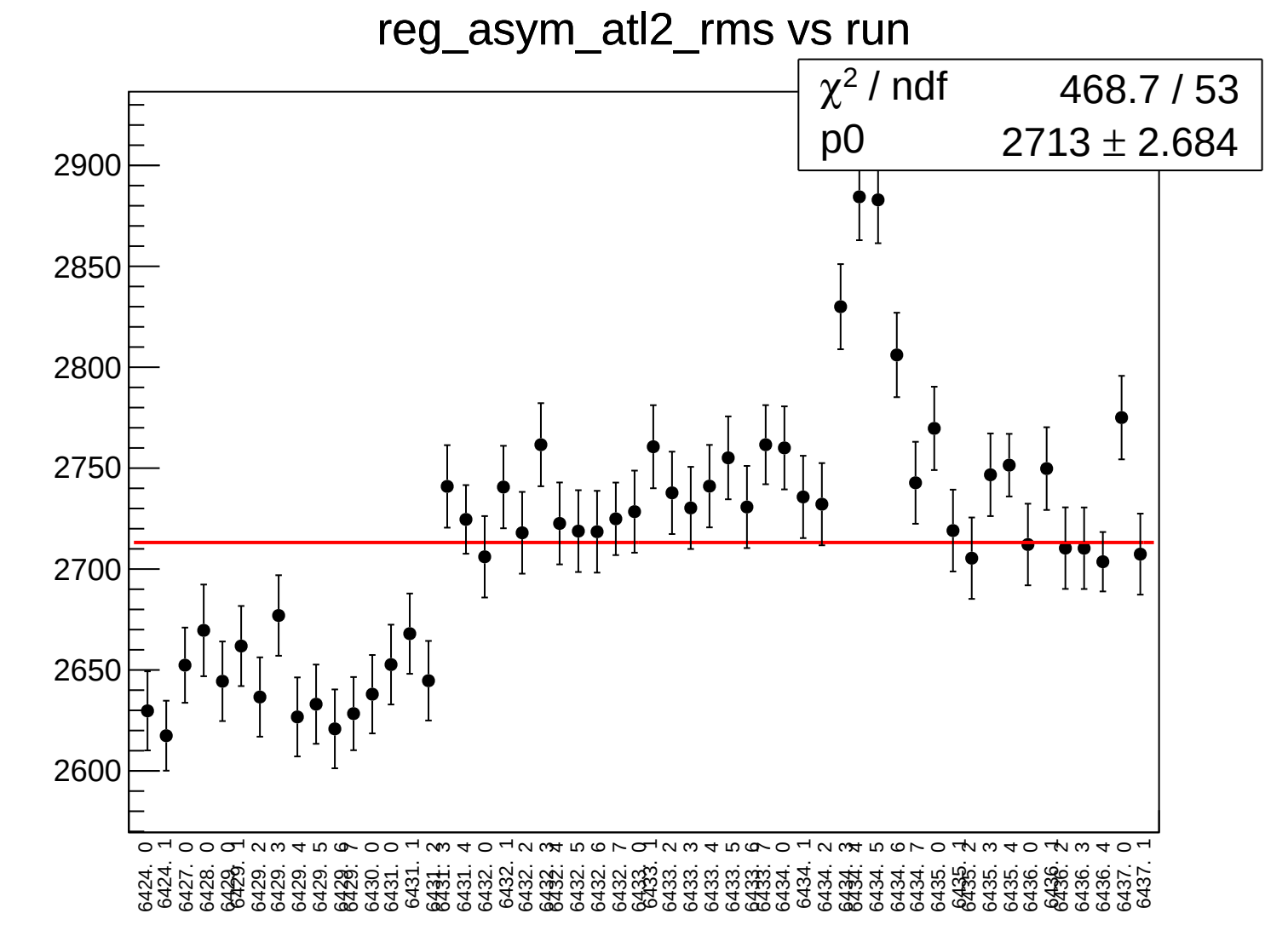

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.95 / 53
p0 2.392e−14 ± 2.882e−14
pull
Entries 54
Mean 107.1
Std Dev 0

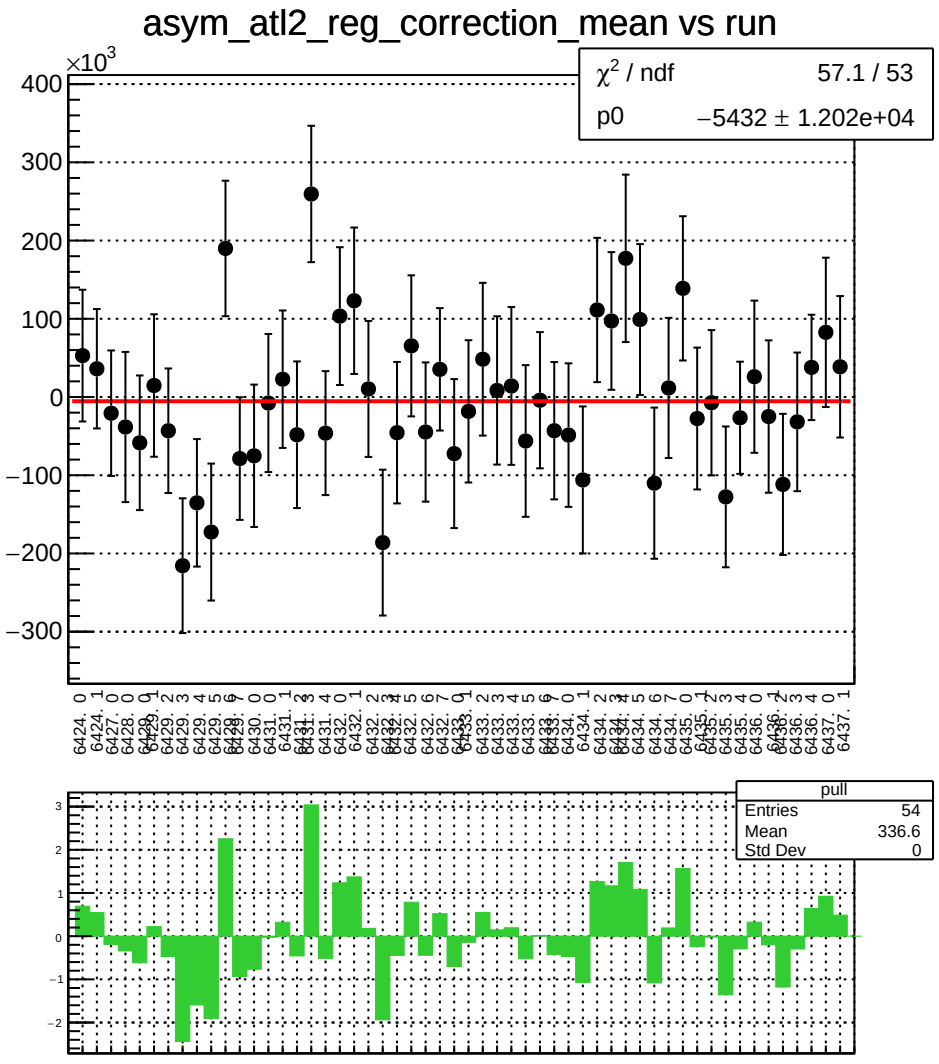

pull1D
Entries 54
Mean 0.04787
Std Dev 1.129

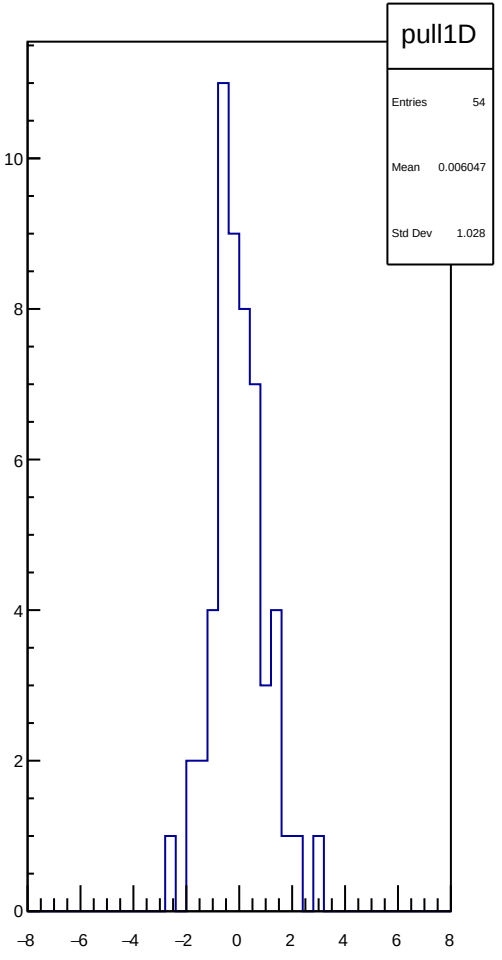

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.771e+05 / 53
p0 1.637e−11 ± 2.038e−14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

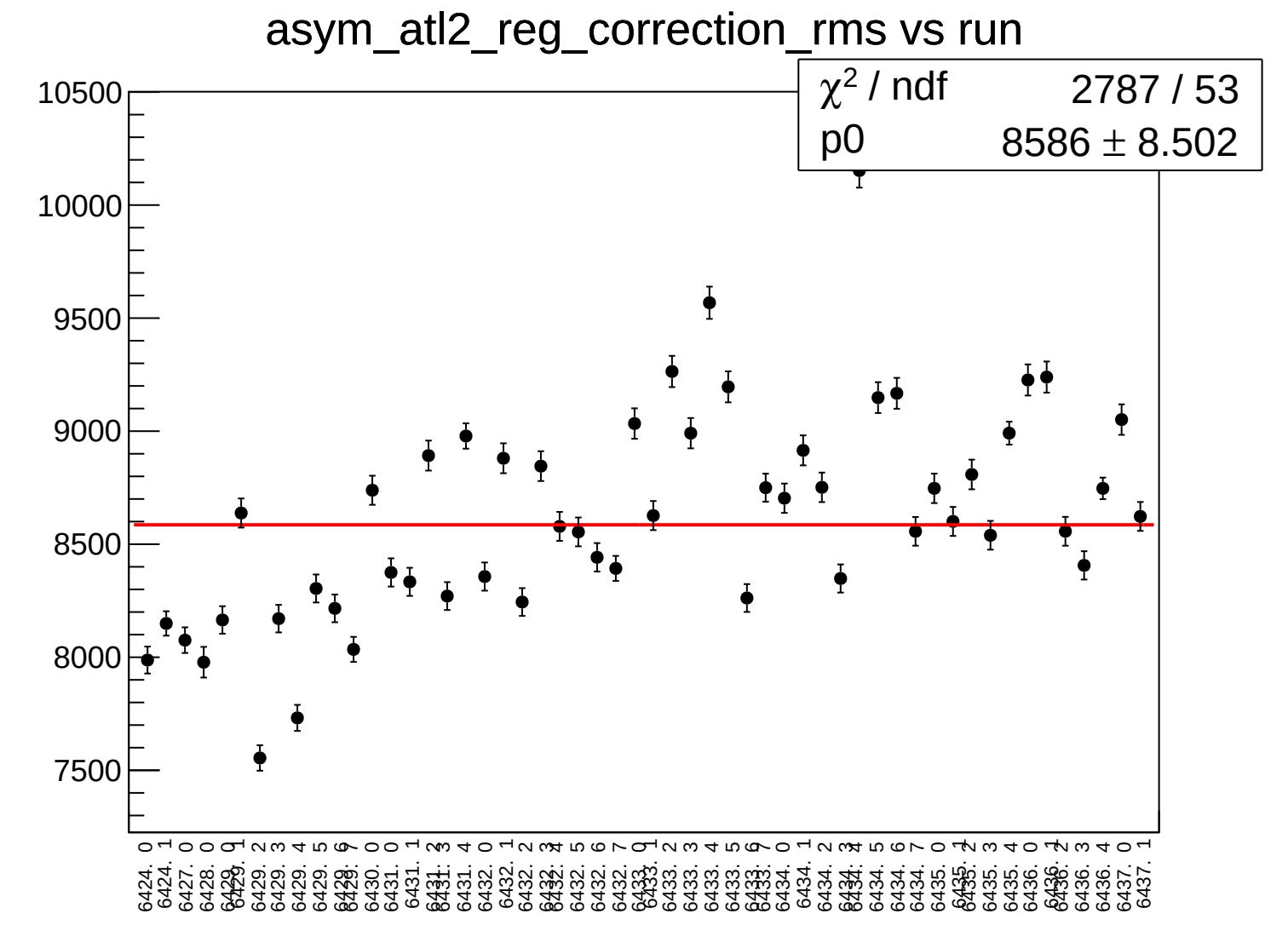

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 45.74 / 53
p0 −5551 ± 3795
pull
Entries 54
Mean 31.61
Std Dev 0

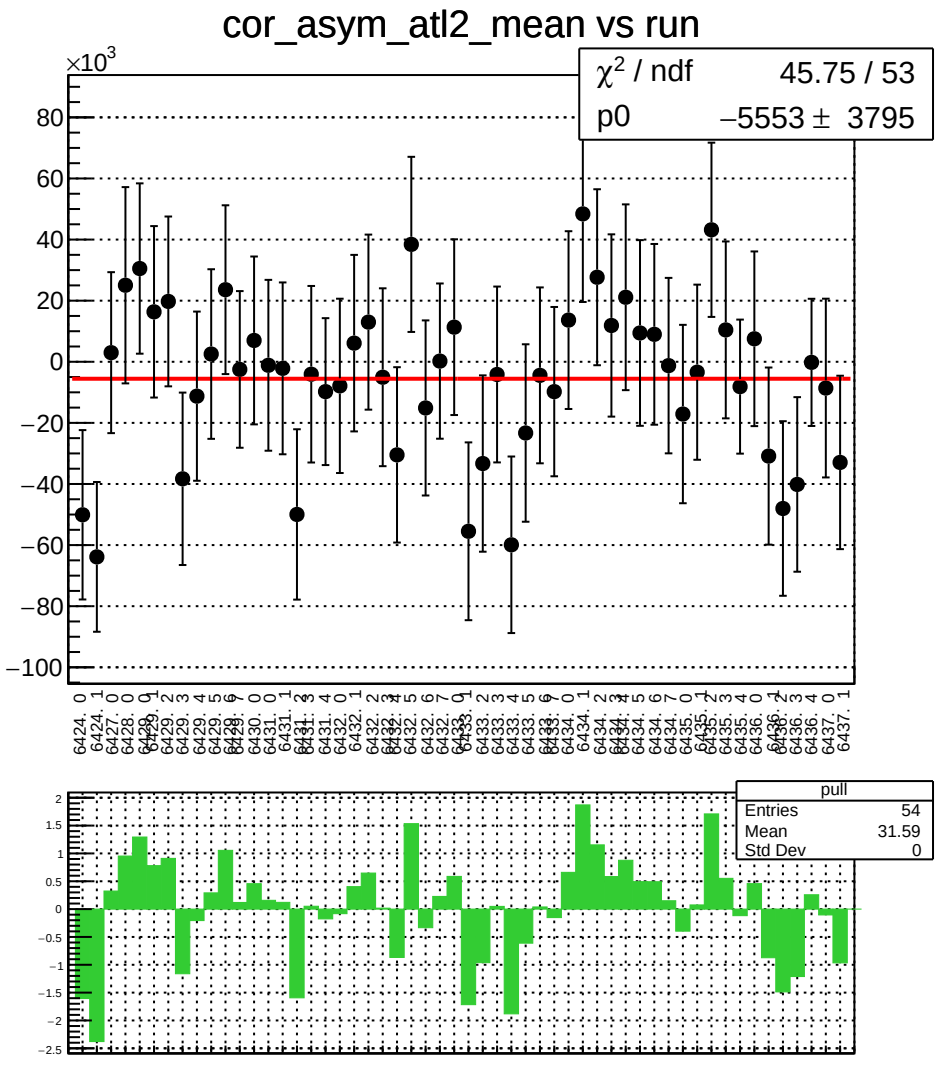

pull1D
Entries 54
Mean 0.008661
Std Dev 0.9203

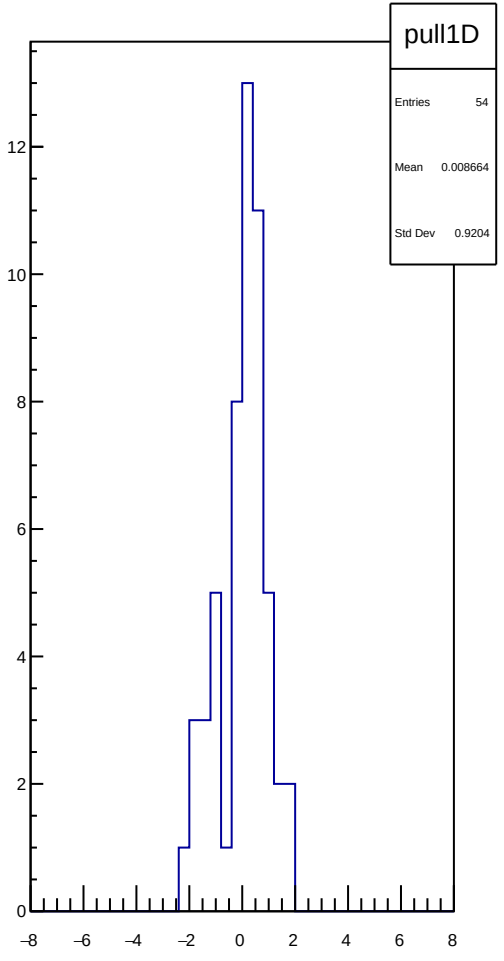

reg_asym_atl2_rms vs run
χ² / ndf 468.7 / 53
p0 2713 ± 2.684
2900
2850
2800
2750
2700
2650
2600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

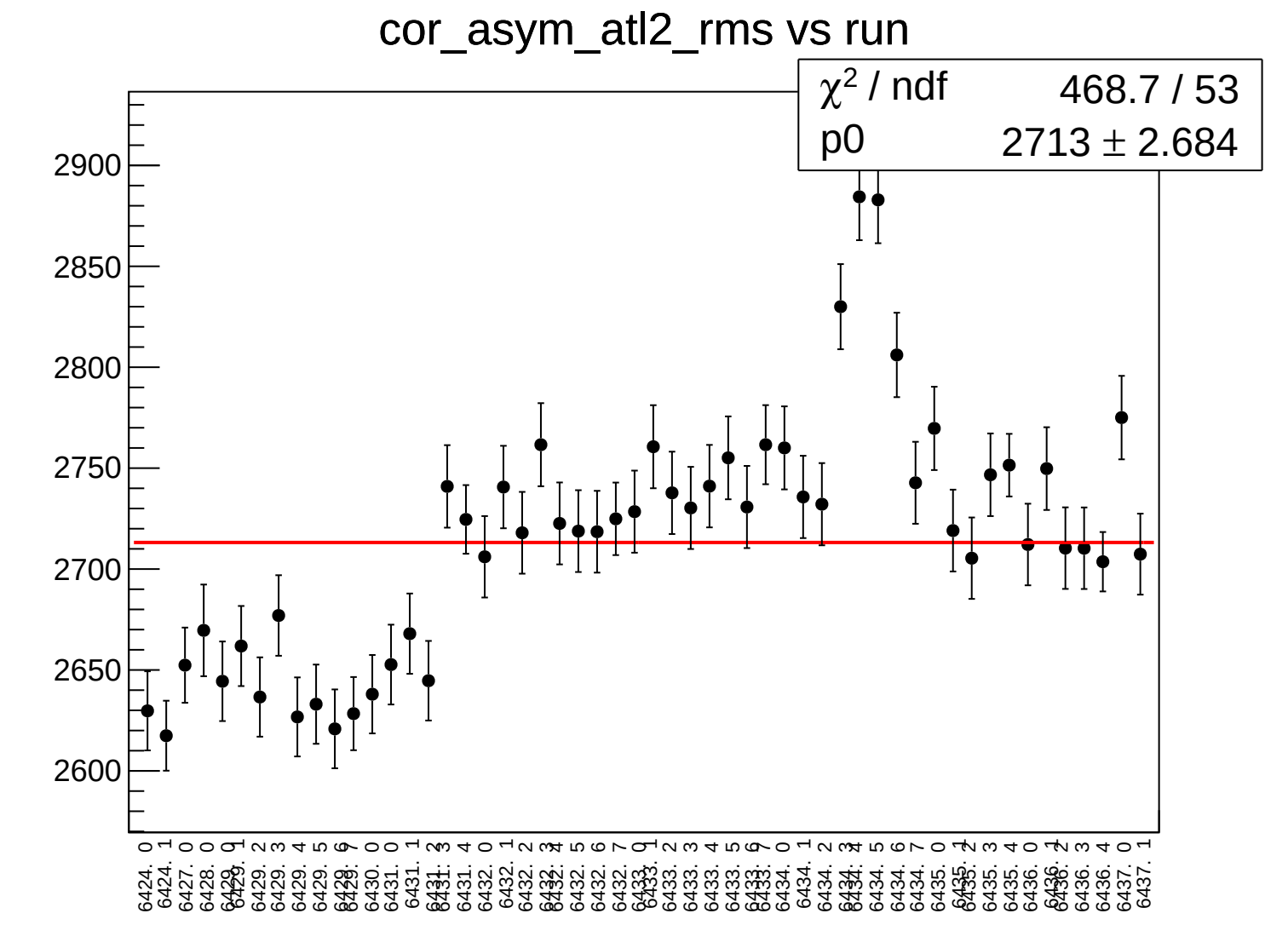

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 57.1 / 53
p0 −5432 ± 1.202e+04
pull
Entries 54
Mean 336.6
Std Dev 0

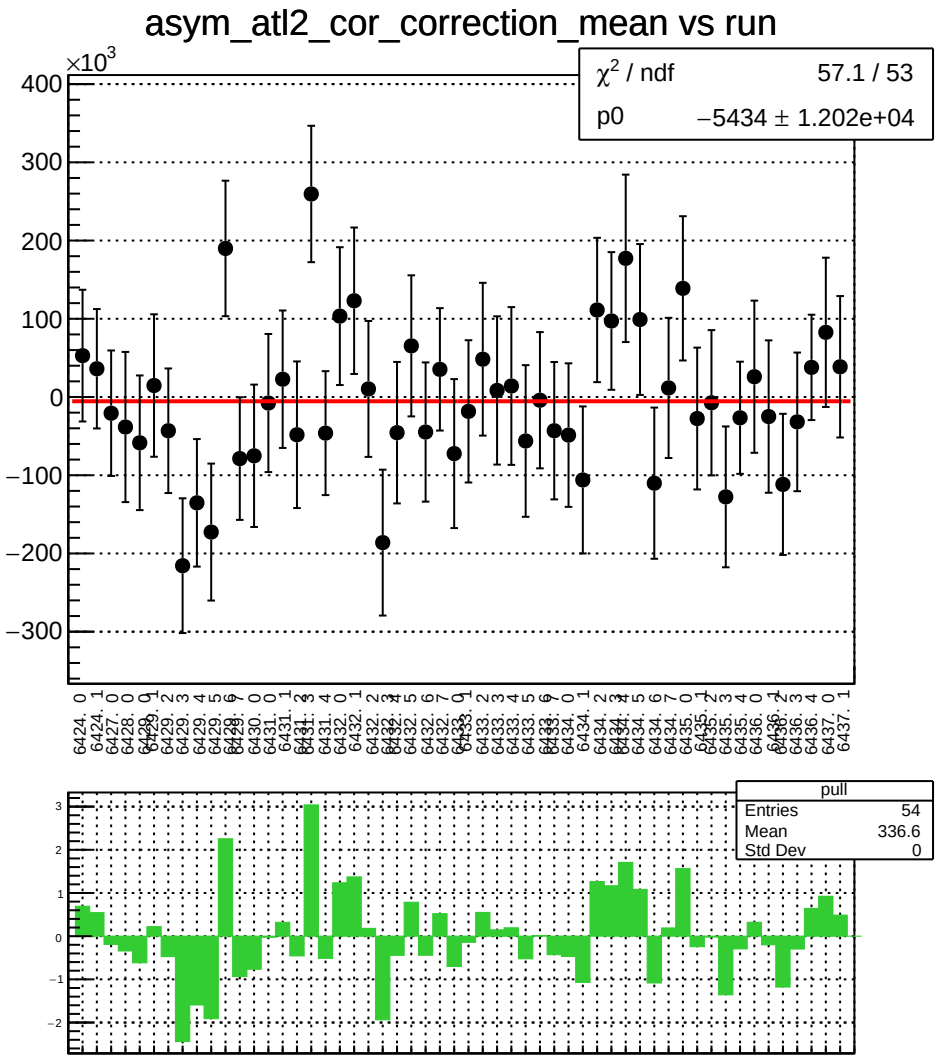

pull1D
Entries 54
Mean 0.006047
Std Dev 1.028

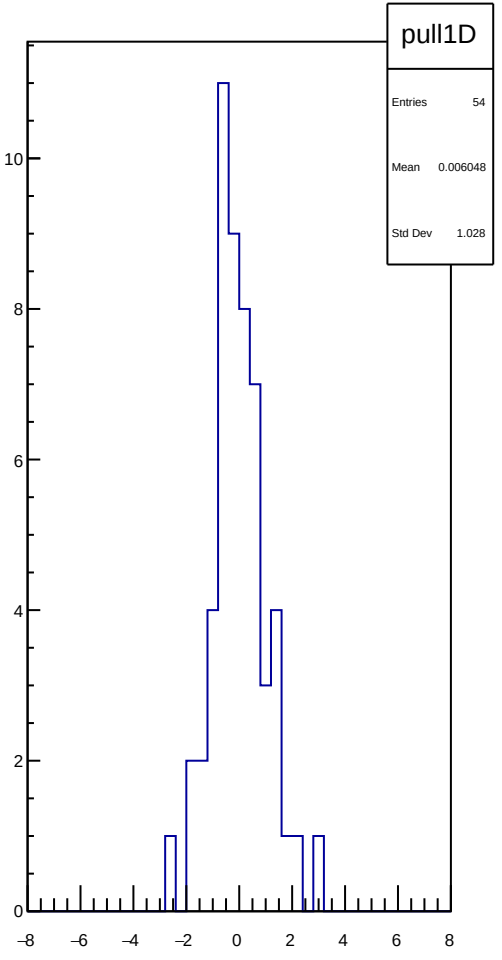

asym_atl2_reg_correction_rms vs run
χ² / ndf 2787 / 53
p0 8586 ± 8.502
10500
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

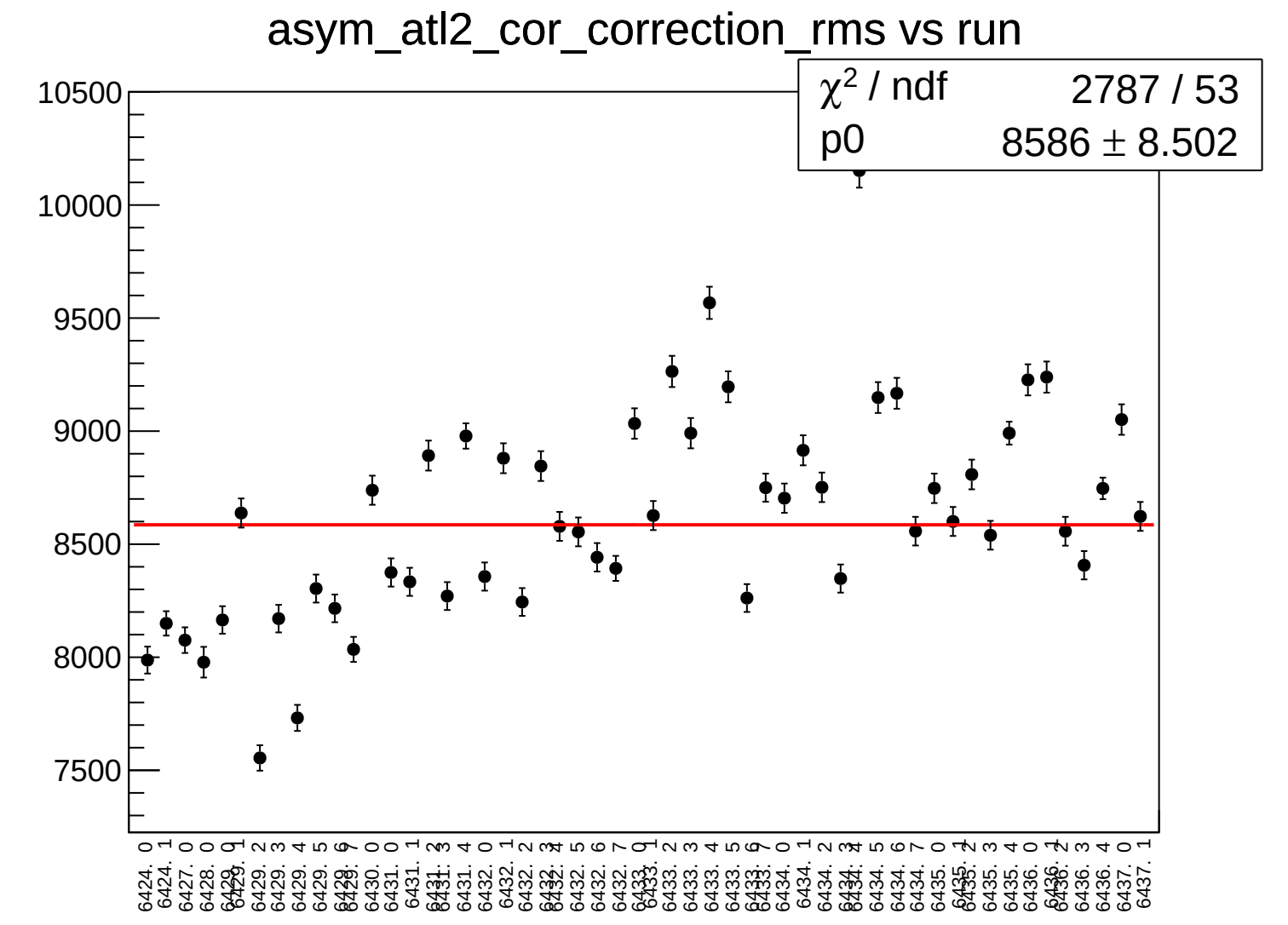

cor_asym_atl2_mean vs run
×10^3
χ² / ndf 45.75 / 53
p0 −5553 ± 3795
pull
Entries 54
Mean 31.59
Std Dev 0

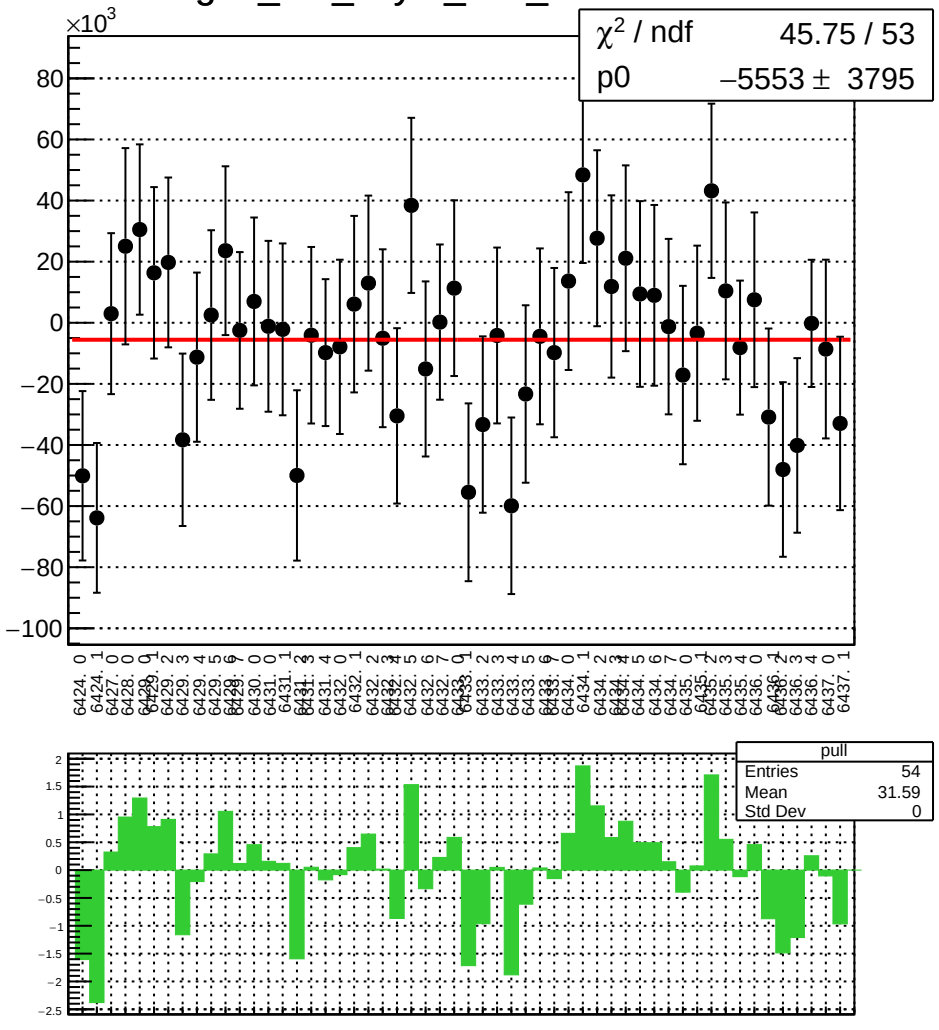

pull1D
Entries 54
Mean 0.008664
Std Dev 0.9204

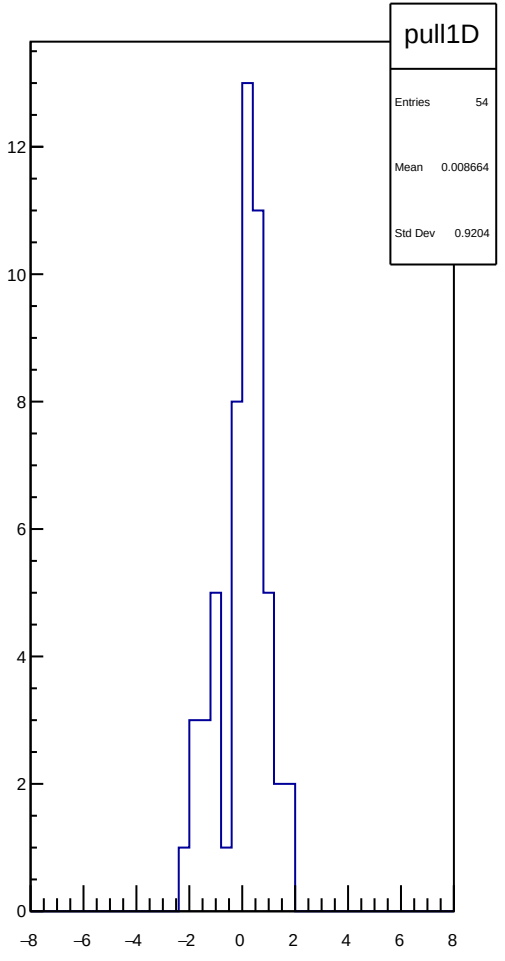

cor_asym_atl2_rms vs run
χ^2 / ndf 468.7 / 53
p0 2713 ± 2.684
2900
2850
2800
2750
2700
2650
2600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

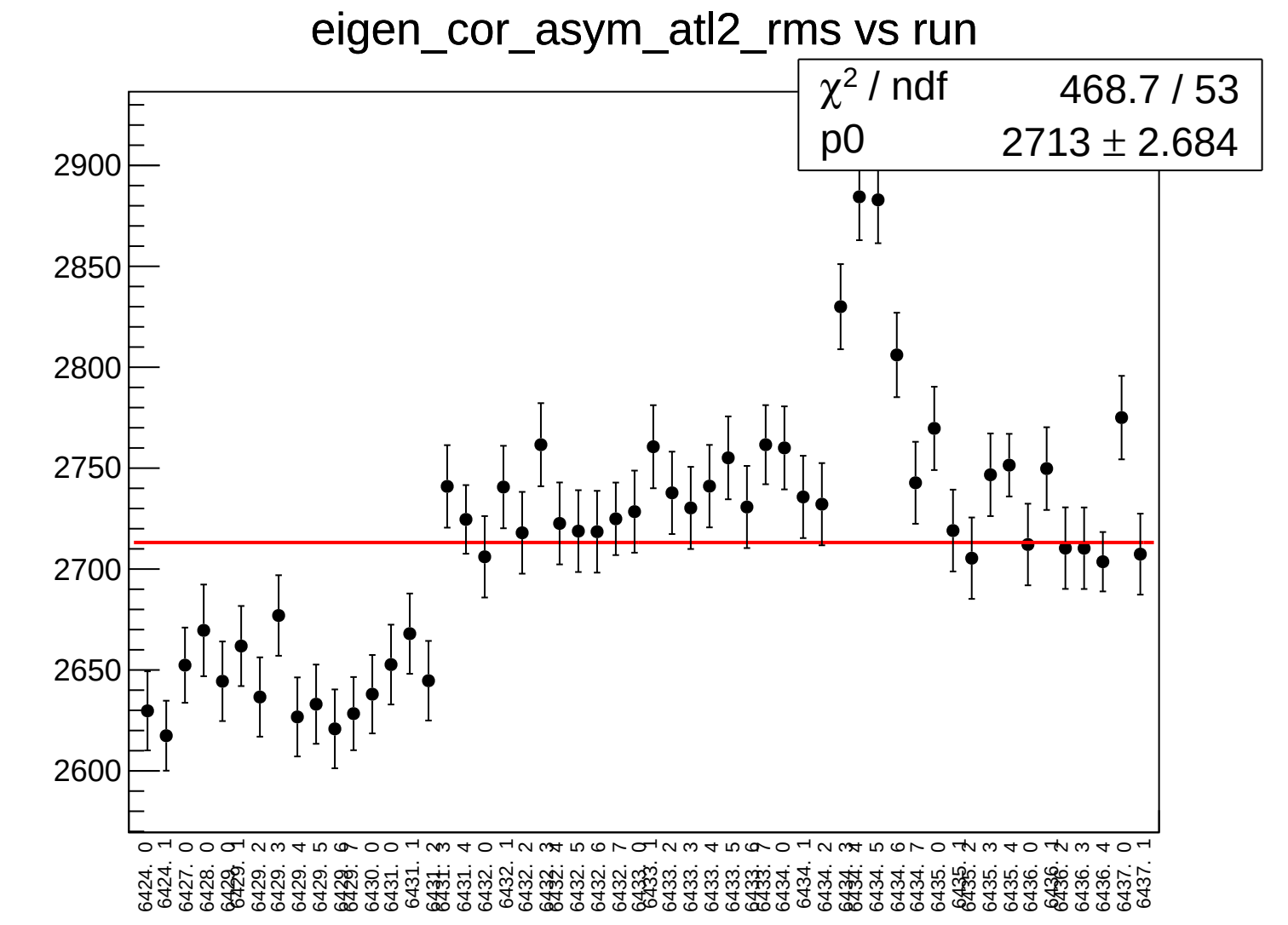

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 57.1 / 53
p0 −5434 ± 1.202e+04
pull
Entries 54
Mean 336.6
Std Dev 0


pull1D
Entries 54
Mean 0.006048
Std Dev 1.028


asym_atl2_cor_correction_rms vs run
χ² / ndf 2787 / 53
p0 8586 ± 8.502
10500
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 45.75 / 53
p0 −5553 ± 3795
pull
Entries 54
Mean 31.59
Std Dev 0


pull1D
Entries 54
Mean 0.008664
Std Dev 0.9204


eigen_cor_asym_atl2_rms vs run
χ² / ndf 468.7 / 53
p0 2713 ± 2.684
2900
2850
2800
2750
2700
2650
2600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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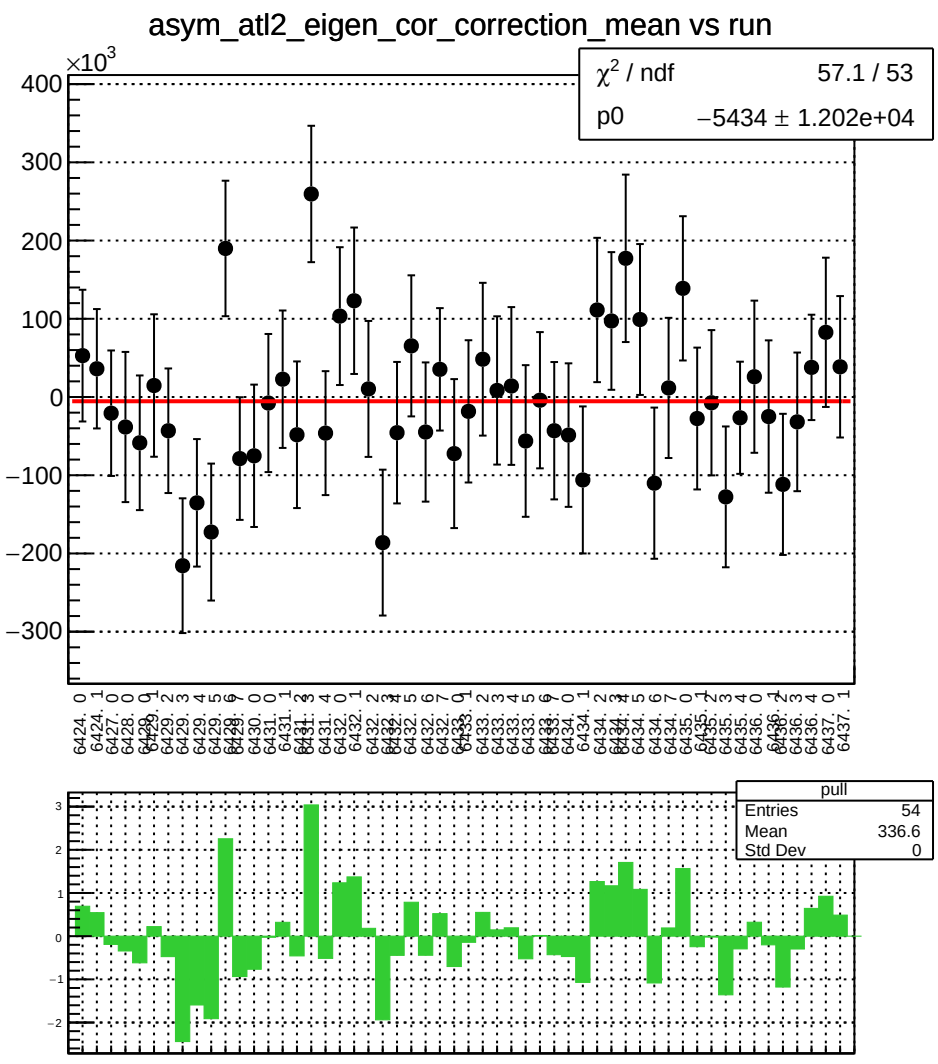
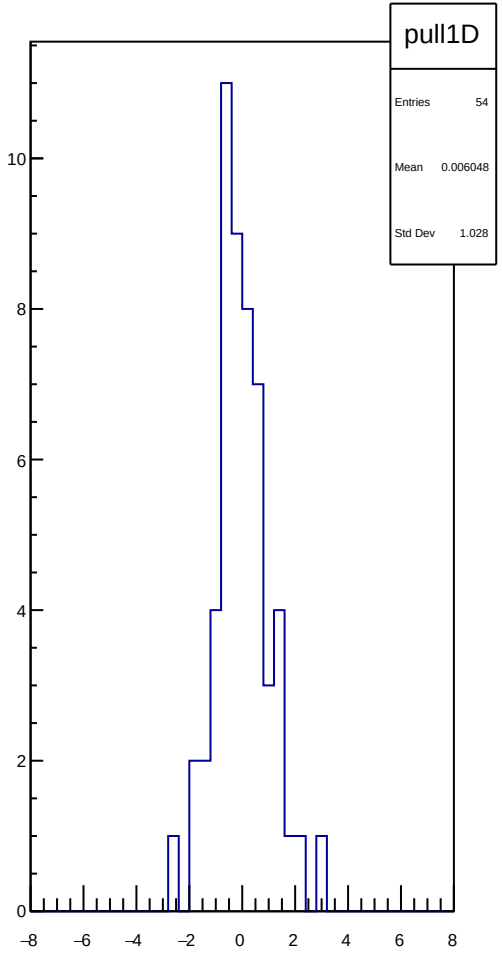
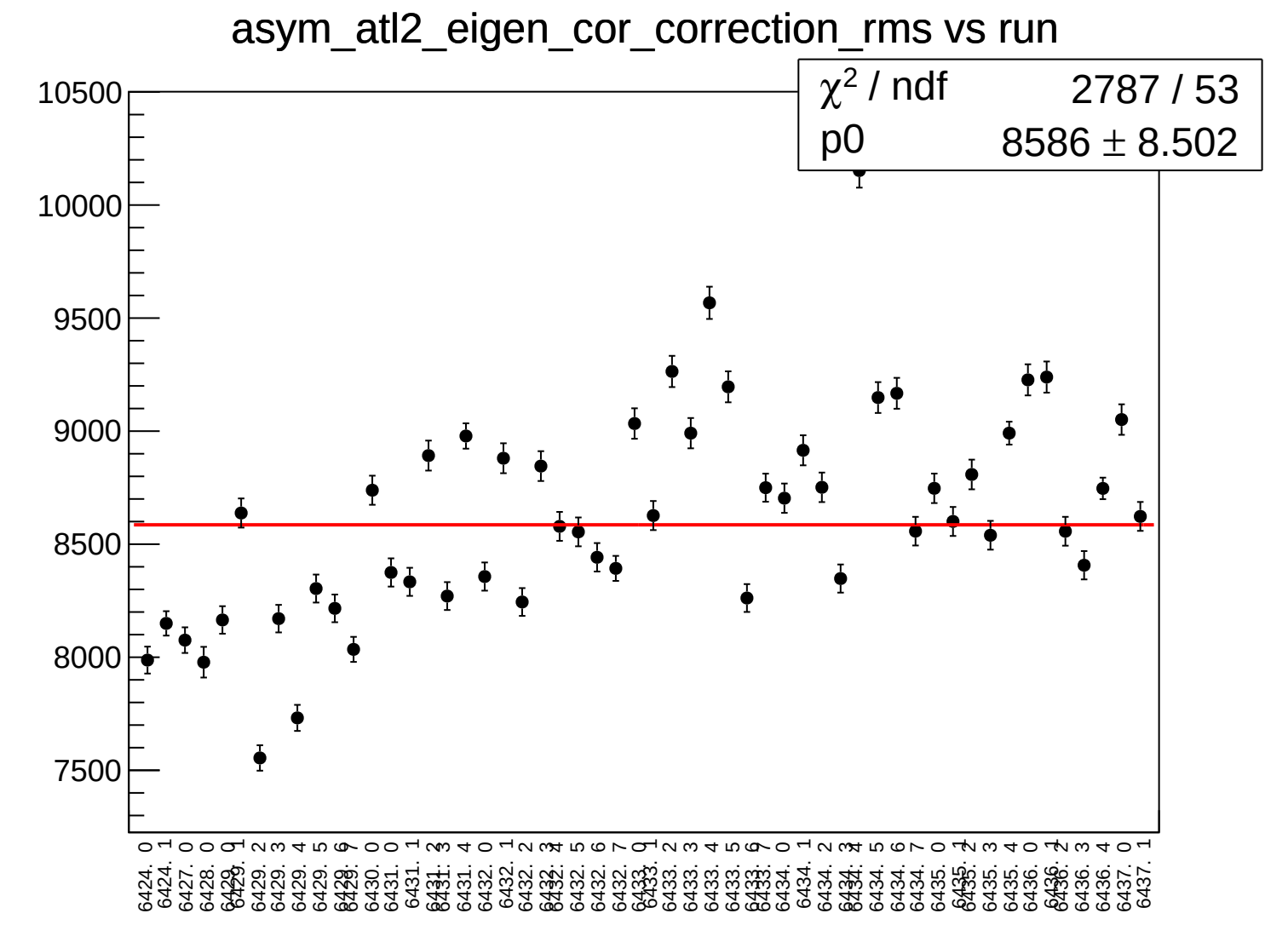
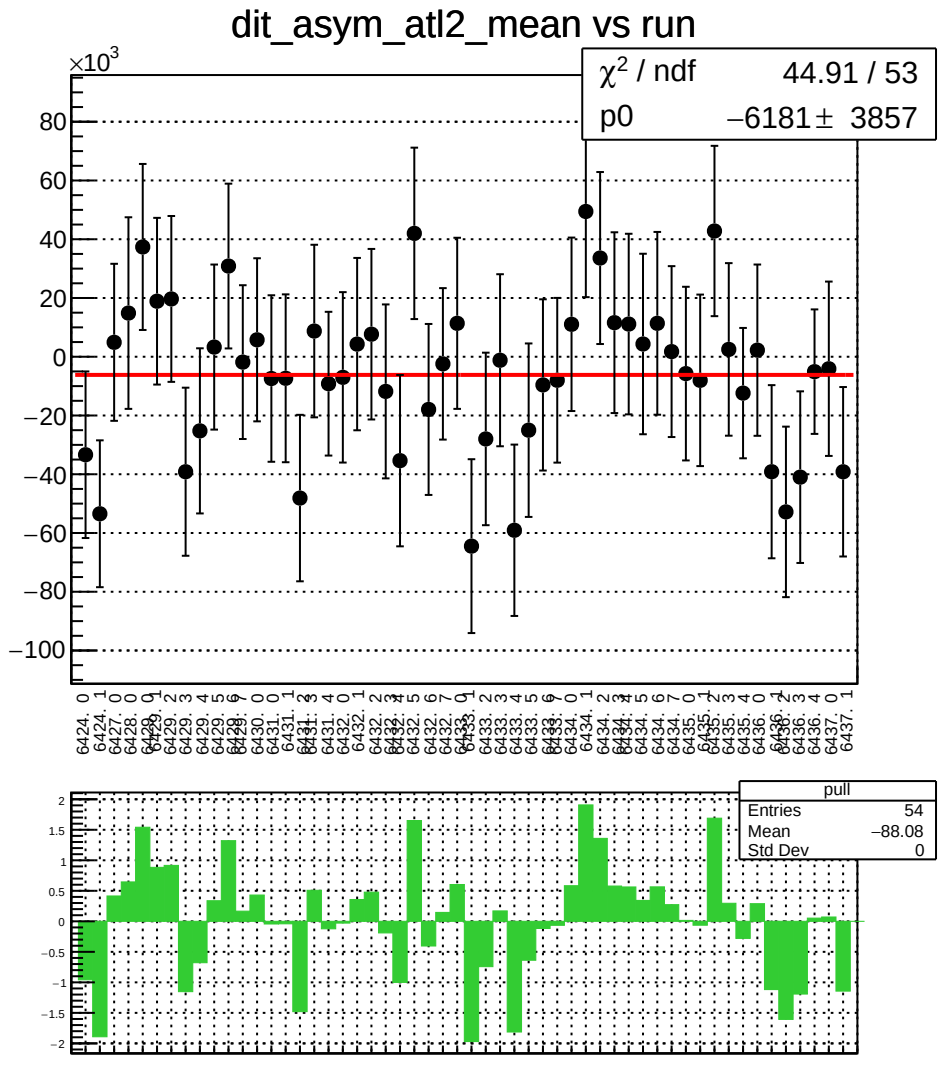
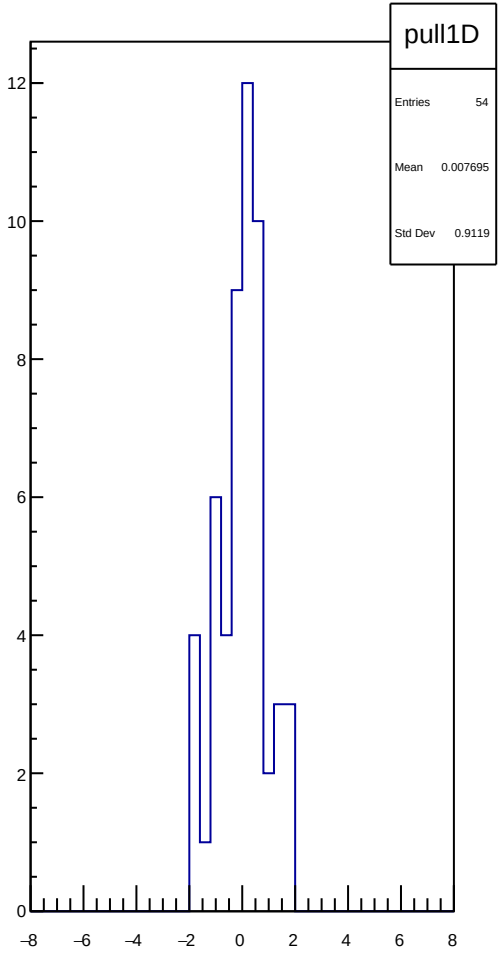
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

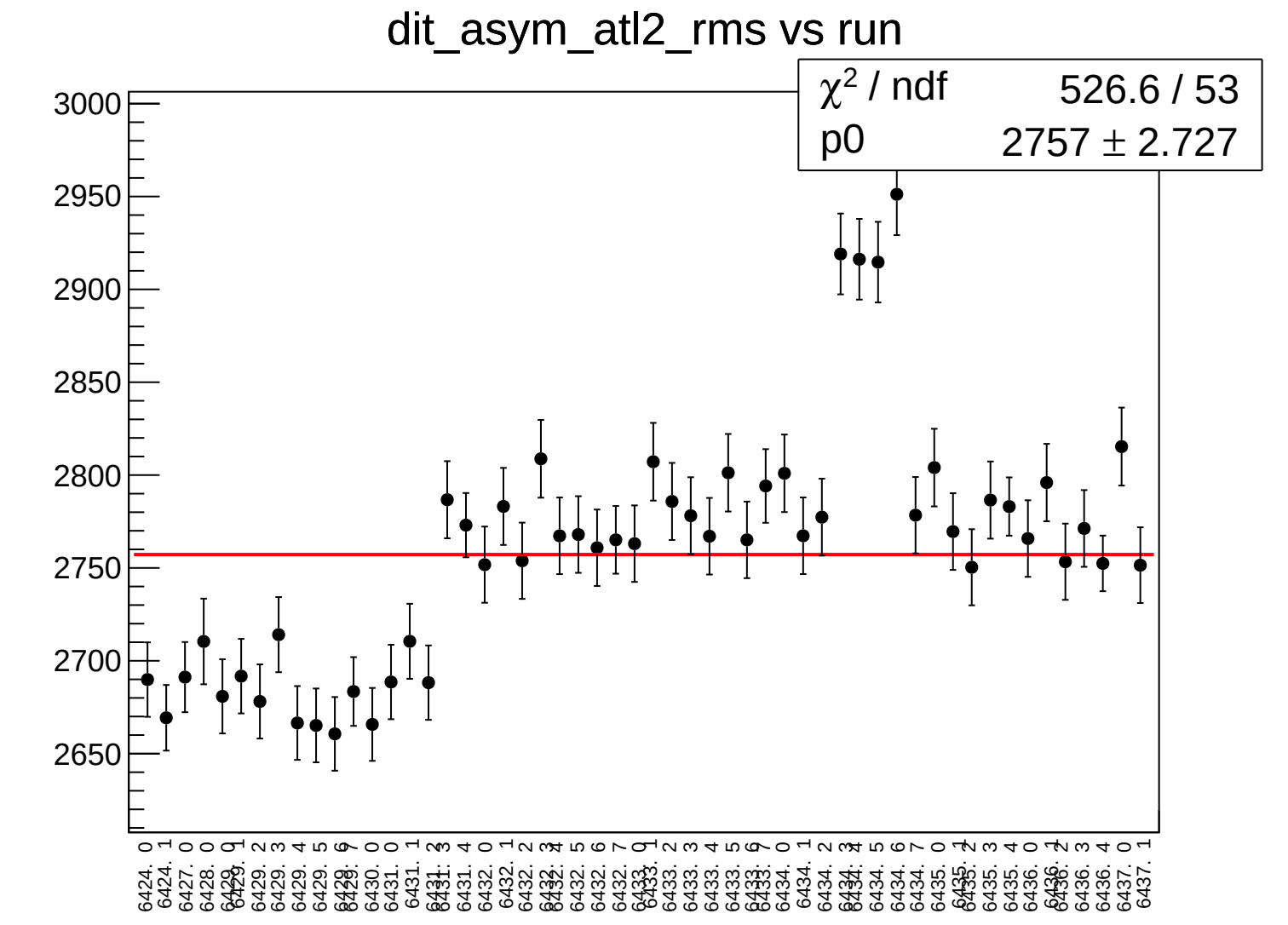

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.1 / 53
p0 −5434 ± 1.202e+04
pull
Entries 54
Mean 336.6
Std Dev 0

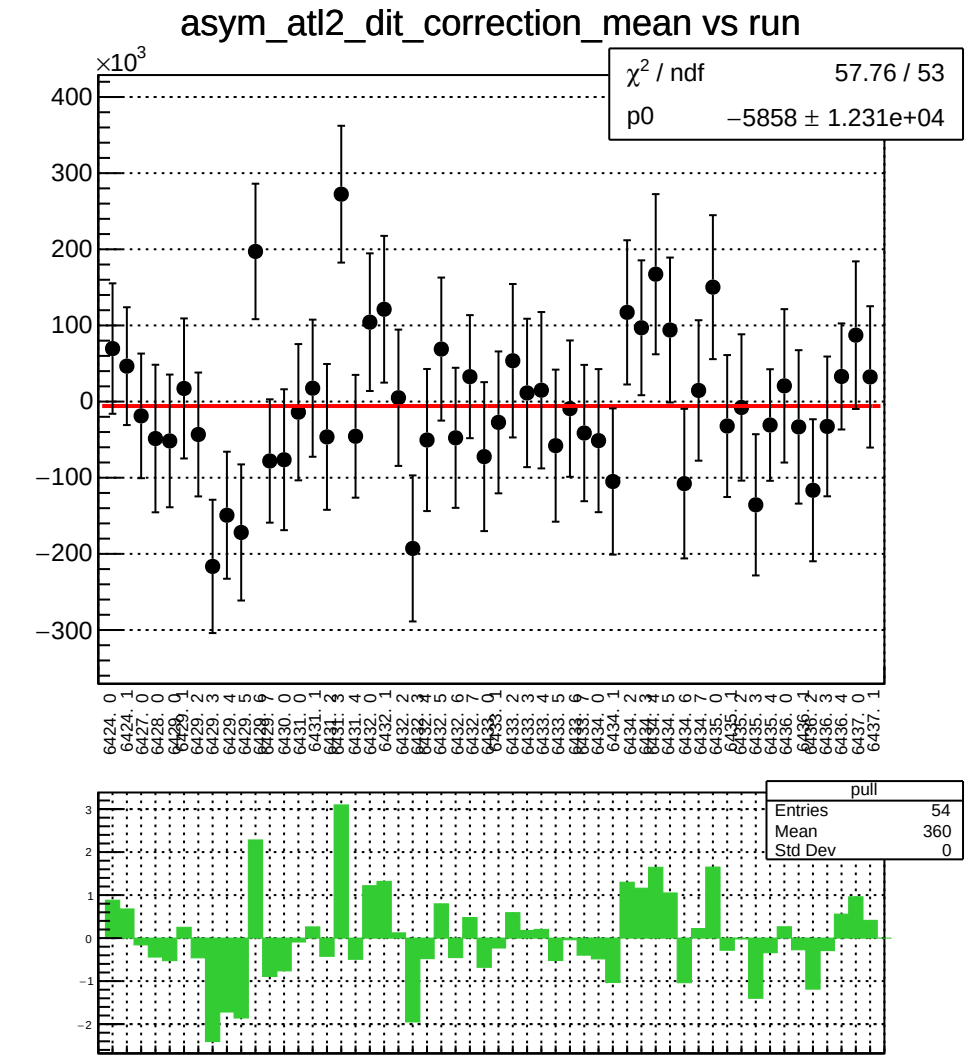

pull1D
Entries 54
Mean 0.006048
Std Dev 1.028

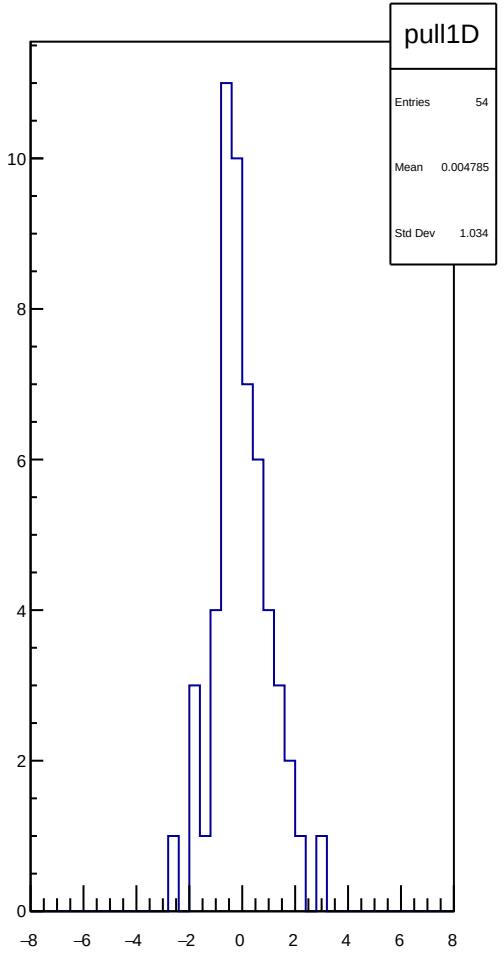

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 2787 / 53
p0 8586 ± 8.502
10500
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

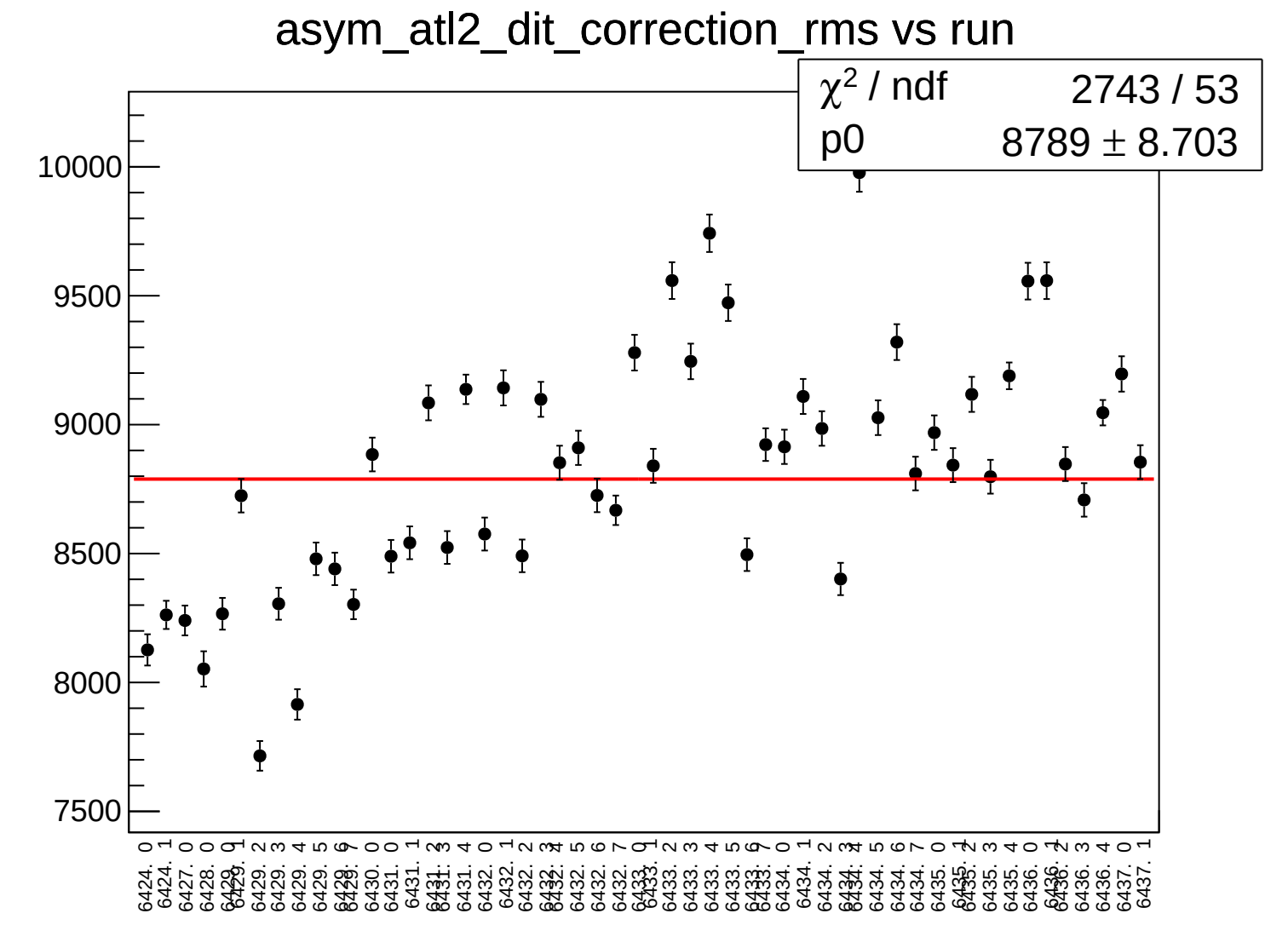

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 44.91 / 53
p0 −6181 ± 3857
pull
Entries 54
Mean −88.08
Std Dev 0

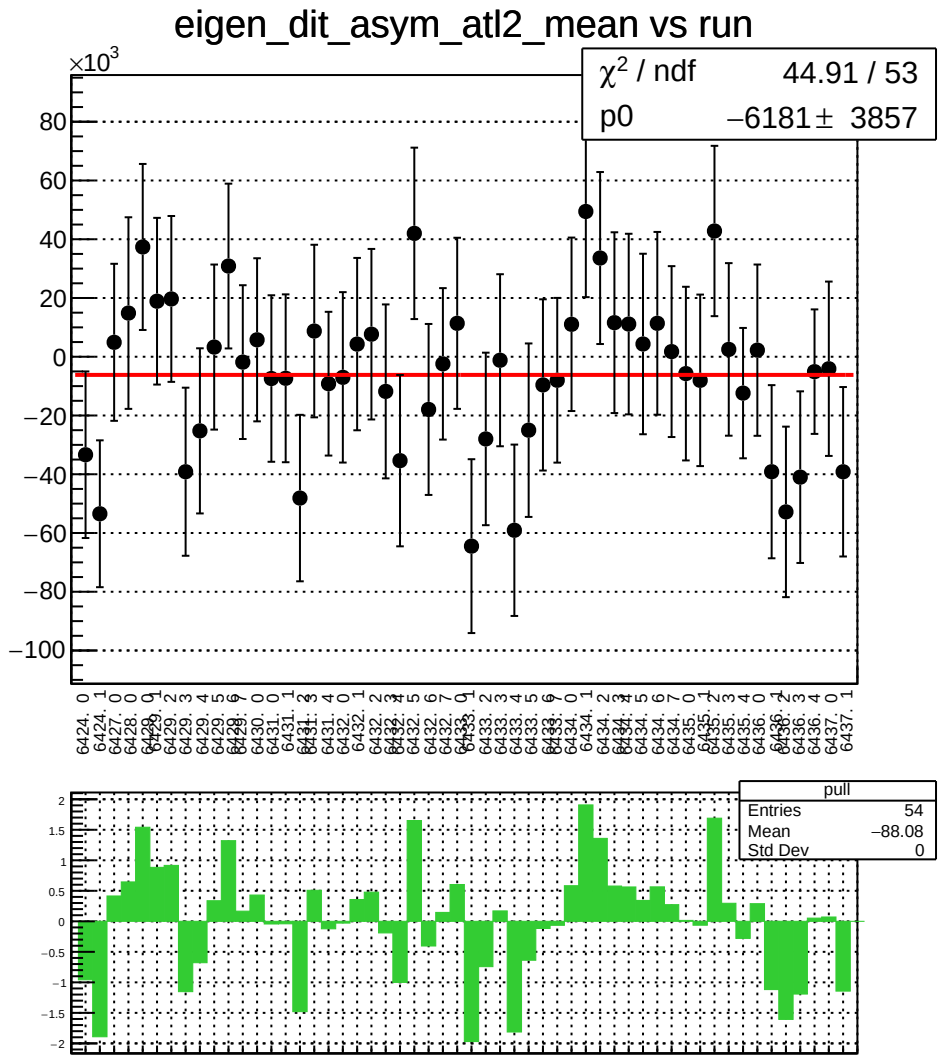

pull1D
Entries 54
Mean 0.007695
Std Dev 0.9119

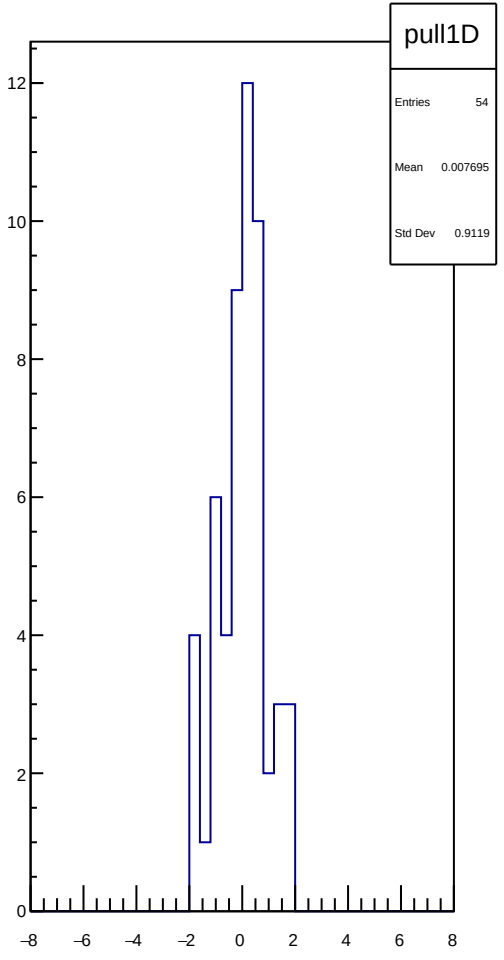

dit_asym_atl2_rms vs run
χ² / ndf 526.6 / 53
p0 2757 ± 2.727
3000
2950
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

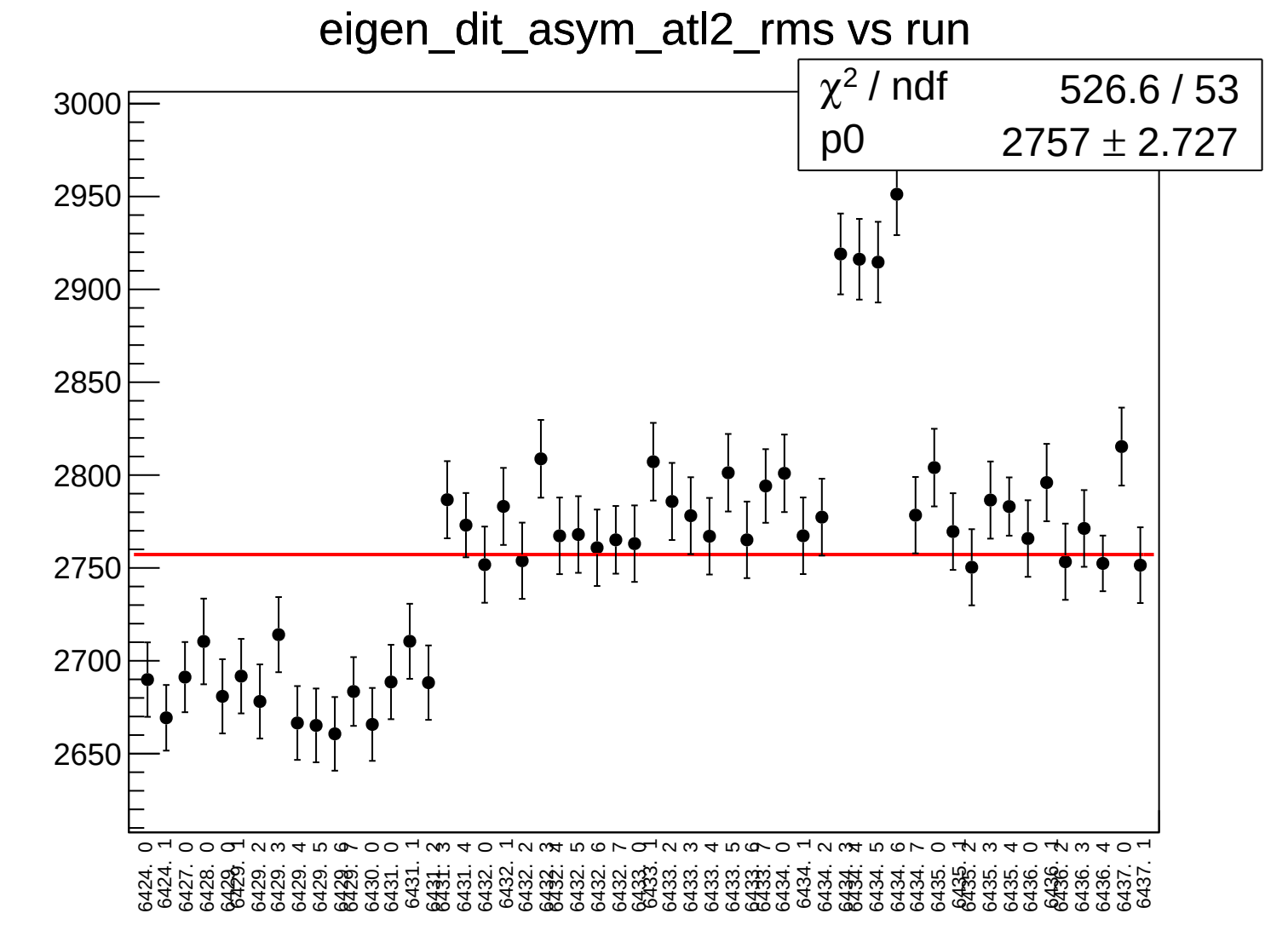

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 57.76 / 53
p0 −5858 ± 1.231e+04
pull
Entries 54
Mean 360
Std Dev 0

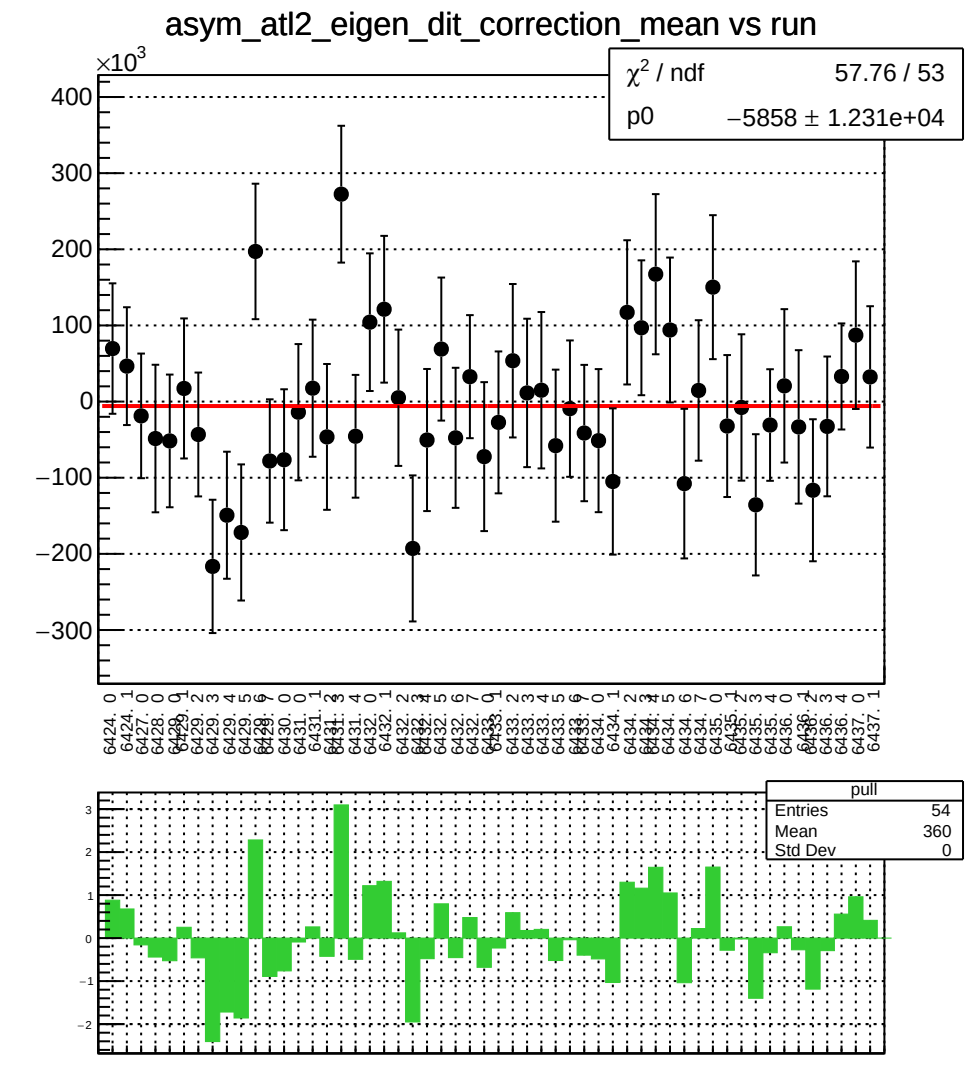

pull1D
Entries 54
Mean 0.004785
Std Dev 1.034

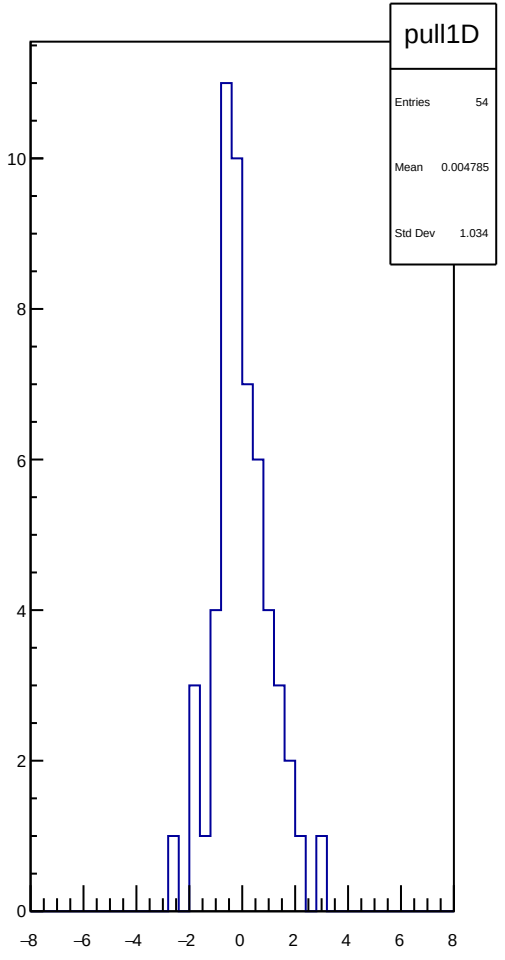

asym_atl2_dit_correction_rms vs run
χ² / ndf 2743 / 53
p0 8789 ± 8.703
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

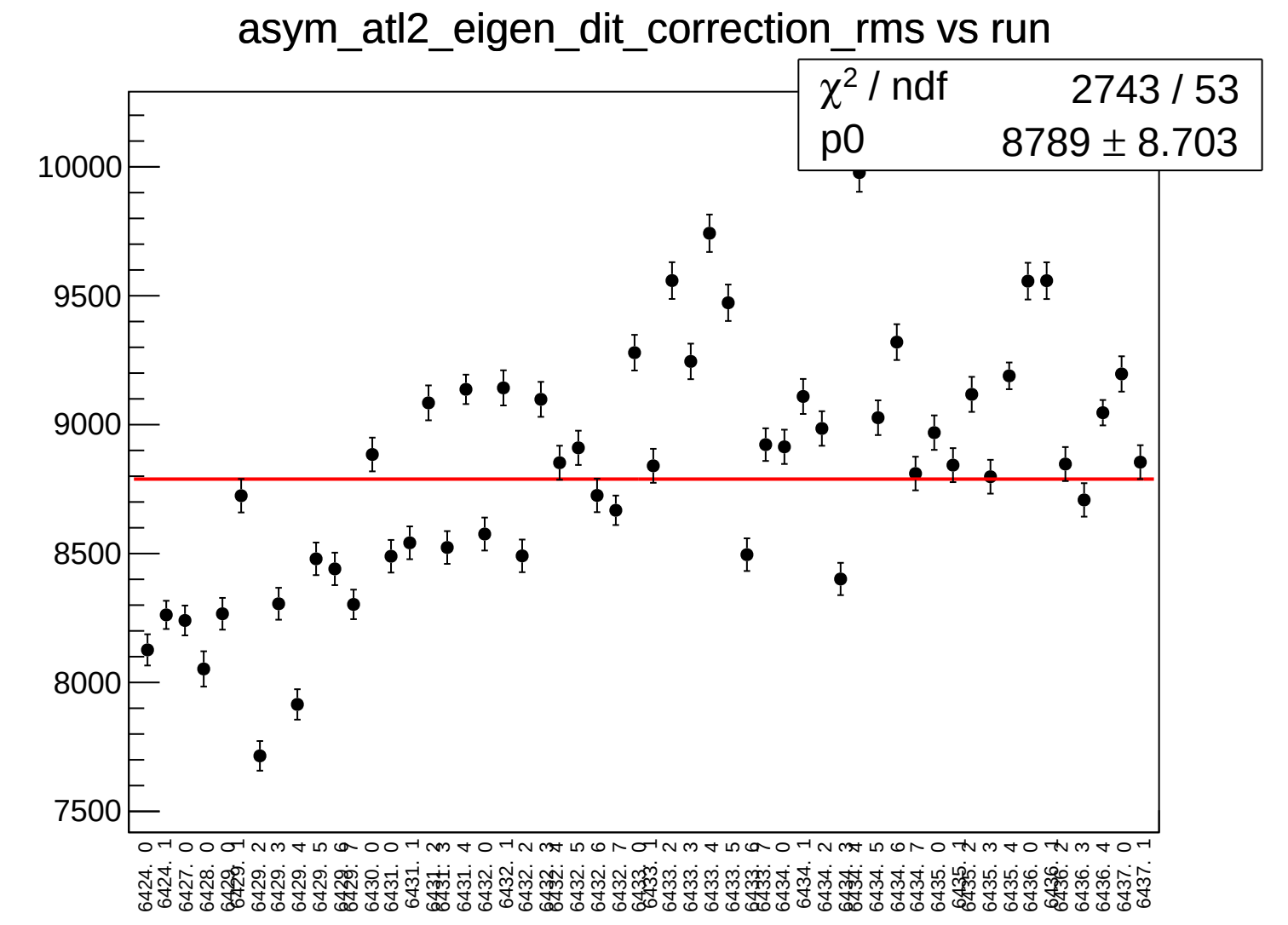

eigen_dit_asym_atl2_mean vs run
×10^3
χ² / ndf 44.91 / 53
p0 −6181 ± 3857
pull
Entries 54
Mean −88.08
Std Dev 0

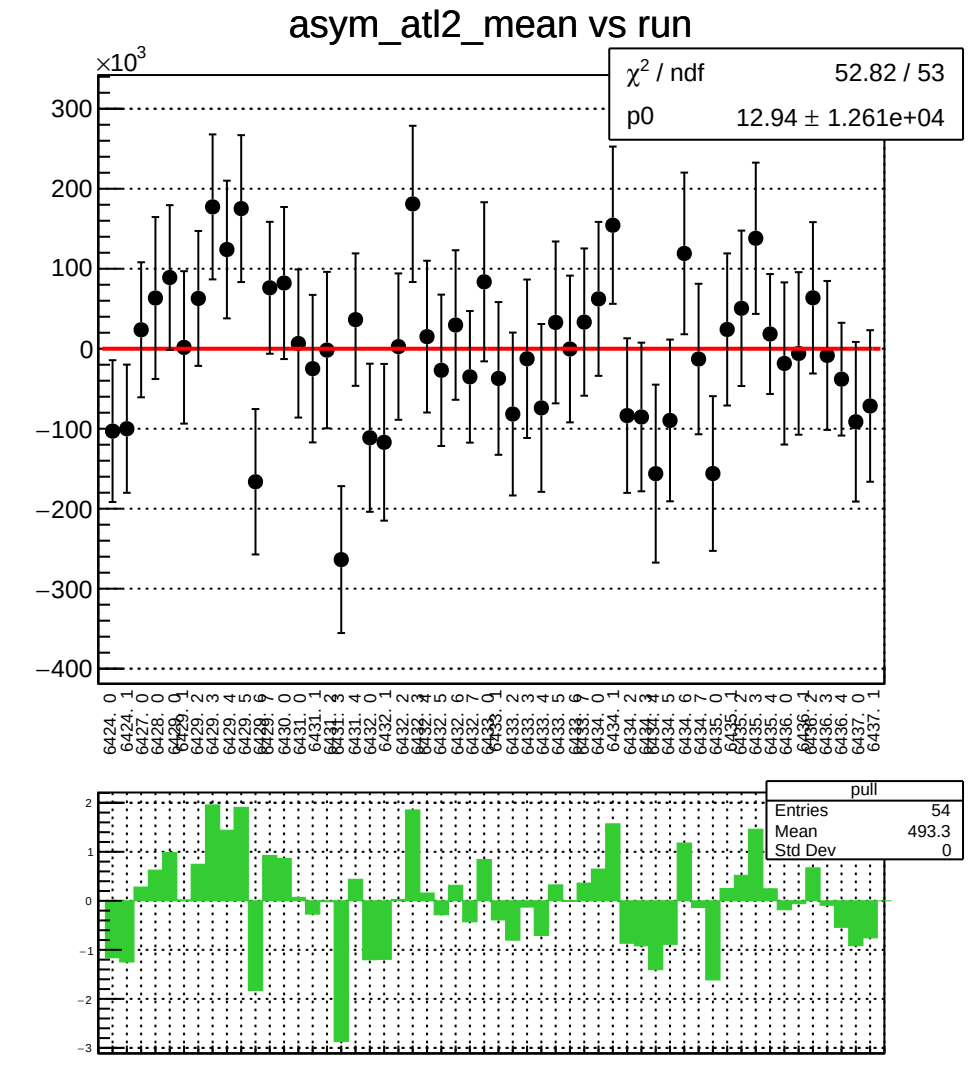

pull1D
Entries 54
Mean 0.007695
Std Dev 0.9119

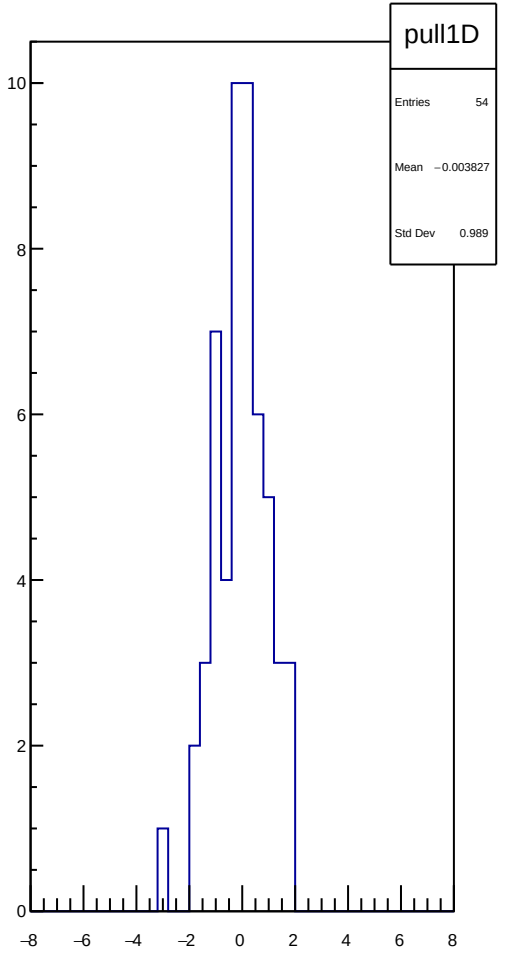

eigen_dit_asym_atl2_rms vs run
χ² / ndf 526.6 / 53
p0 2757 ± 2.727
3000
2950
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

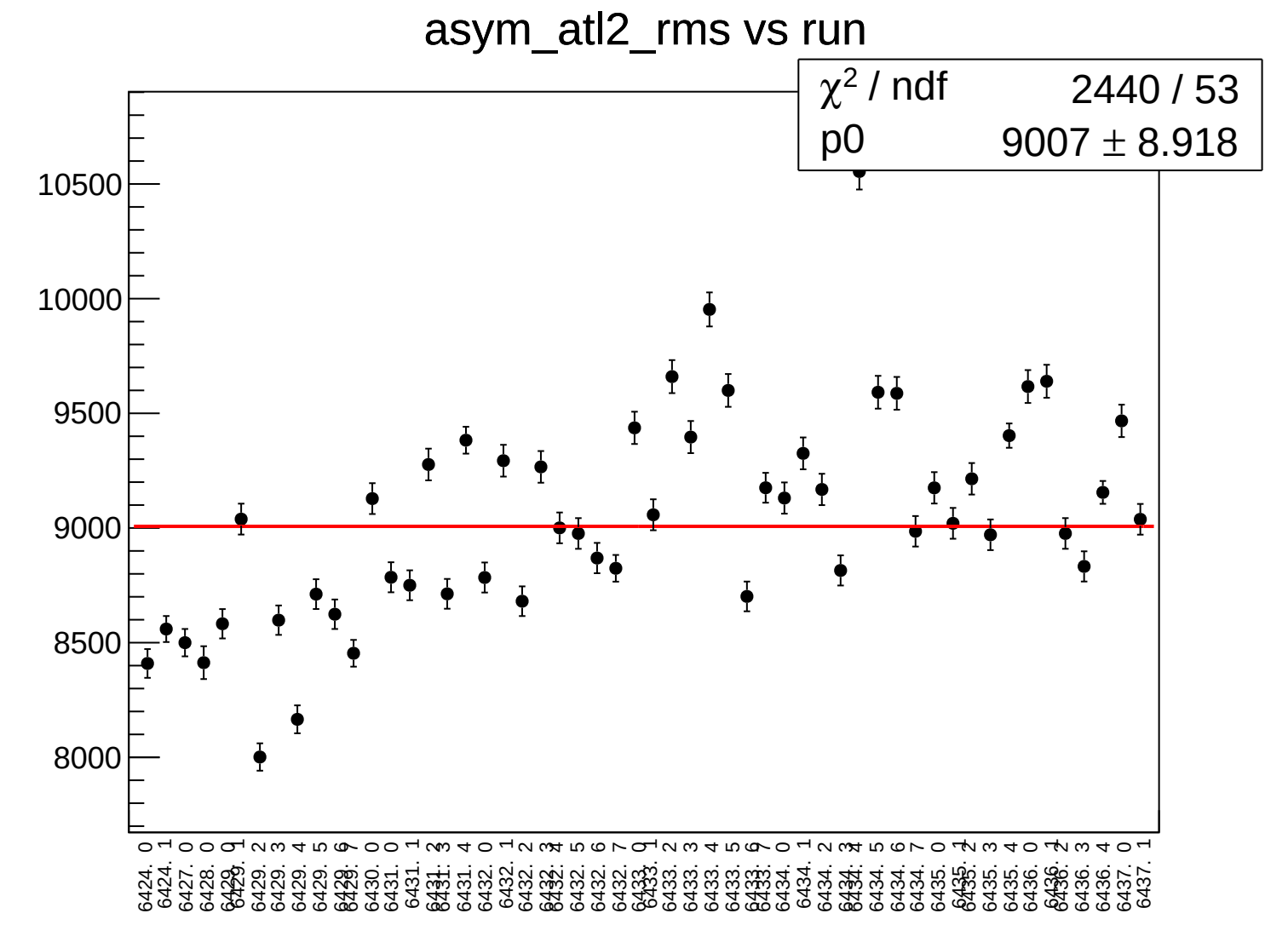

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.76 / 53
p0 −5858 ± 1.231e+04
pull
Entries 54
Mean 360
Std Dev 0


pull1D
Entries 54
Mean 0.004785
Std Dev 1.034


asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 2743 / 53
p0 8789 ± 8.703
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl2_mean vs run
×10^3
χ² / ndf 52.82 / 53
p0 12.94 ± 1.261e+04
pull
Entries 54
Mean 493.3
Std Dev 0


pull1D
Entries 54
Mean −0.003827
Std Dev 0.989


asym_atl2_rms vs run
χ² / ndf 2440 / 53
p0 9007 ± 8.918
10500
10000
9500
9000
8500
8000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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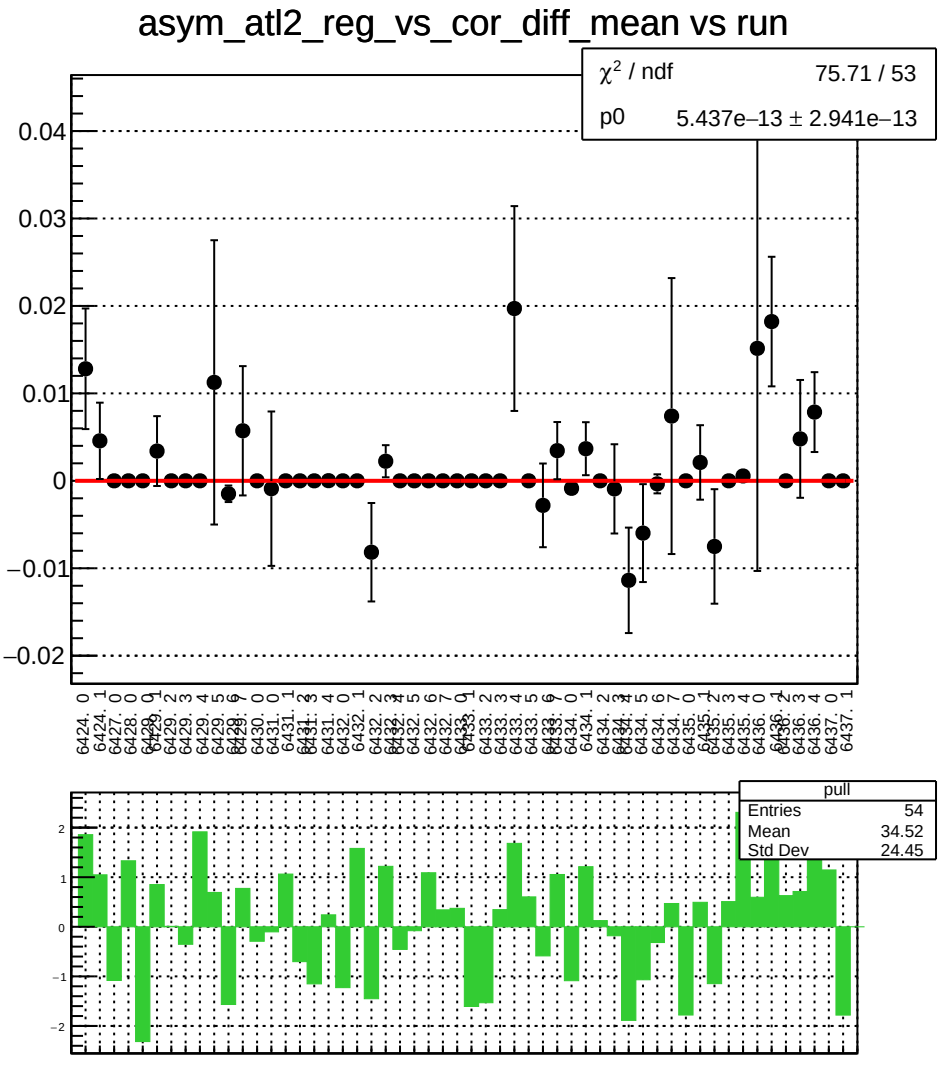
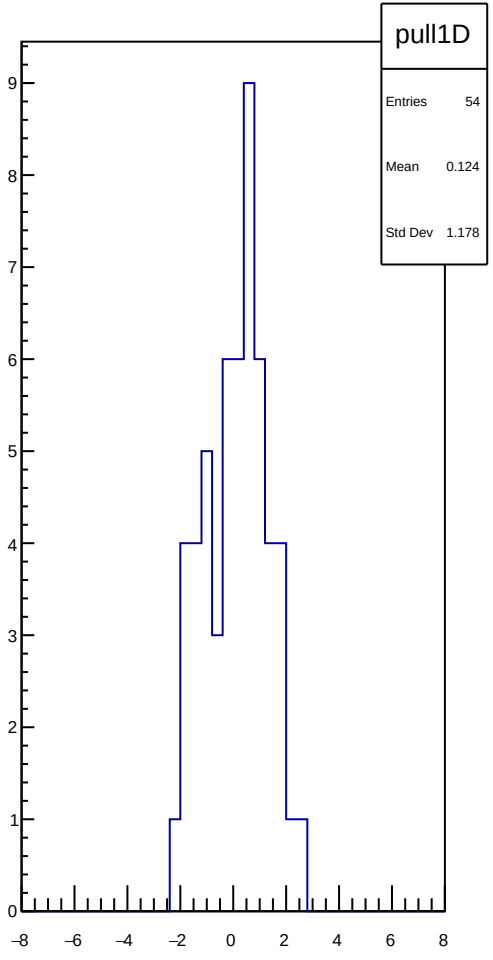
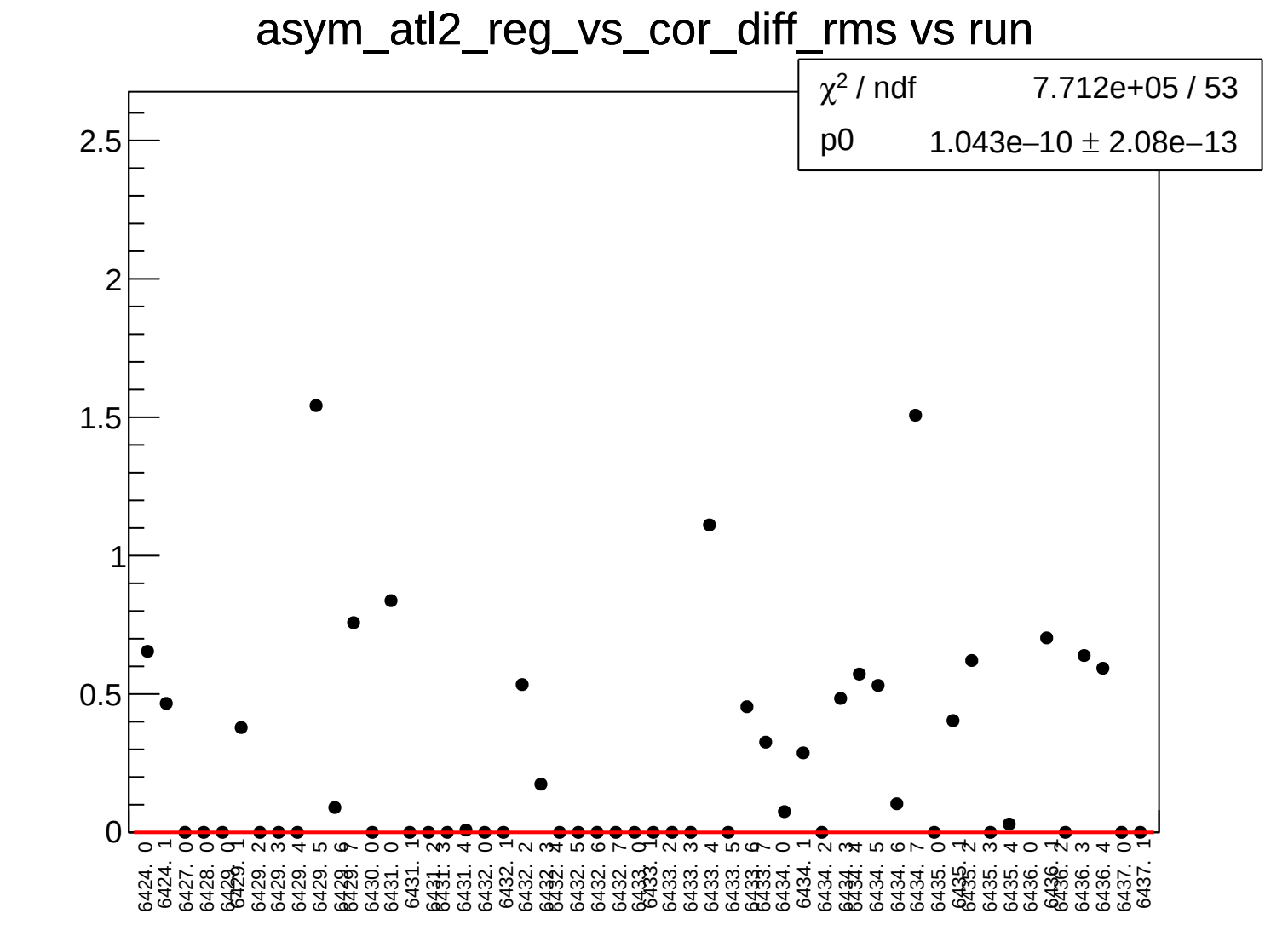
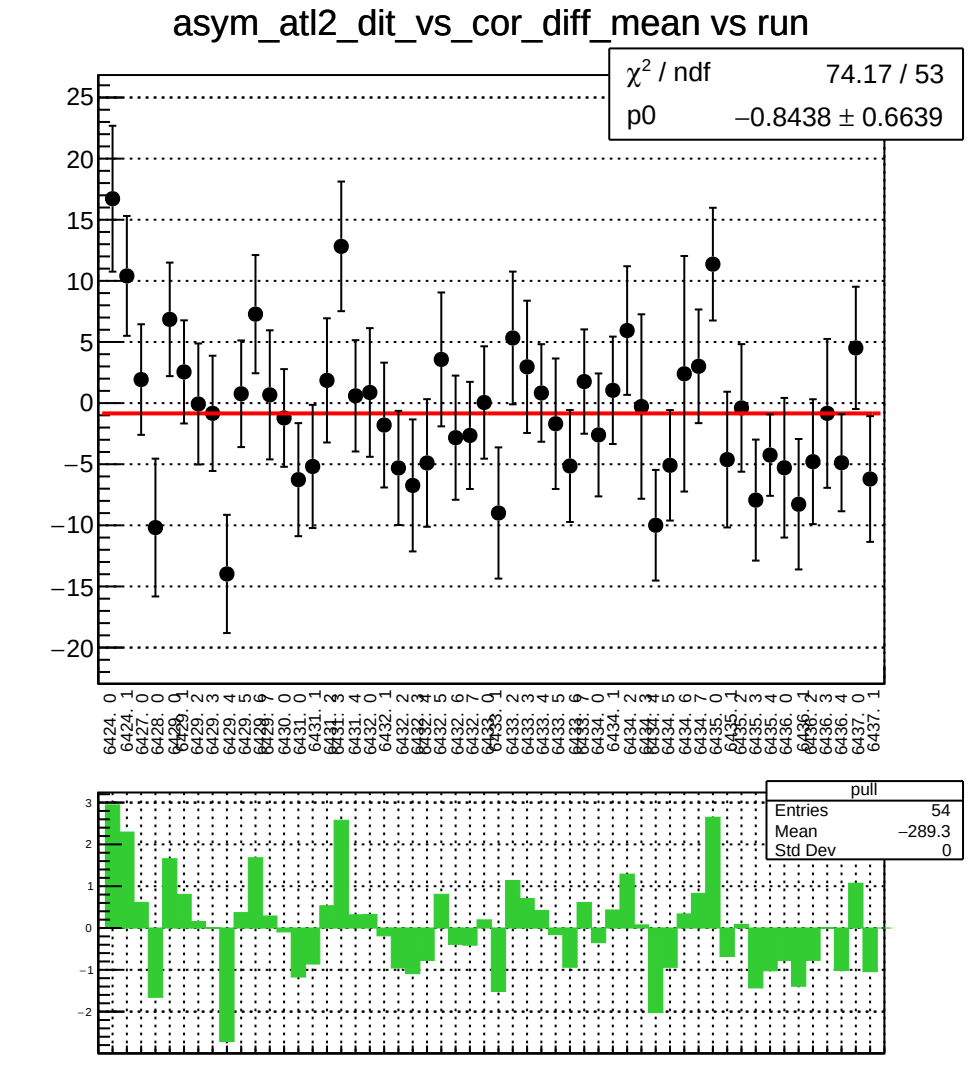
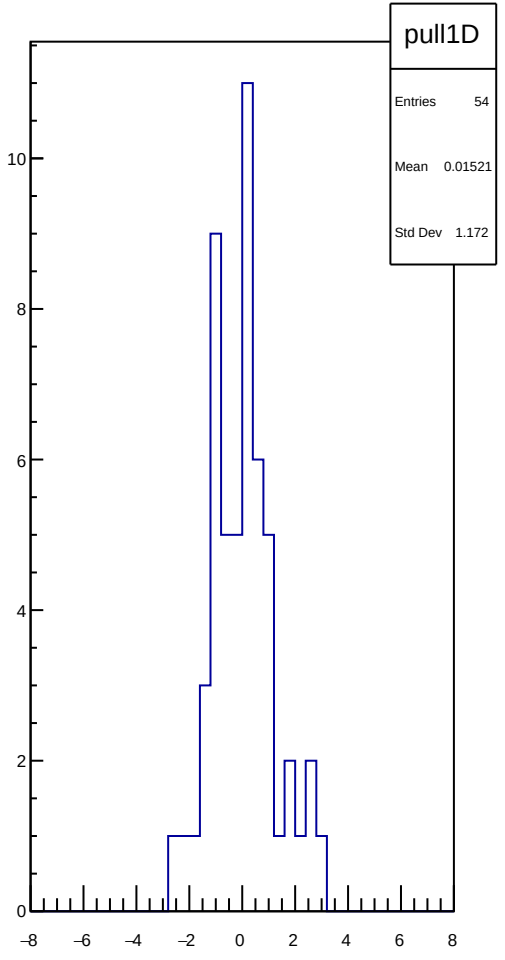
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

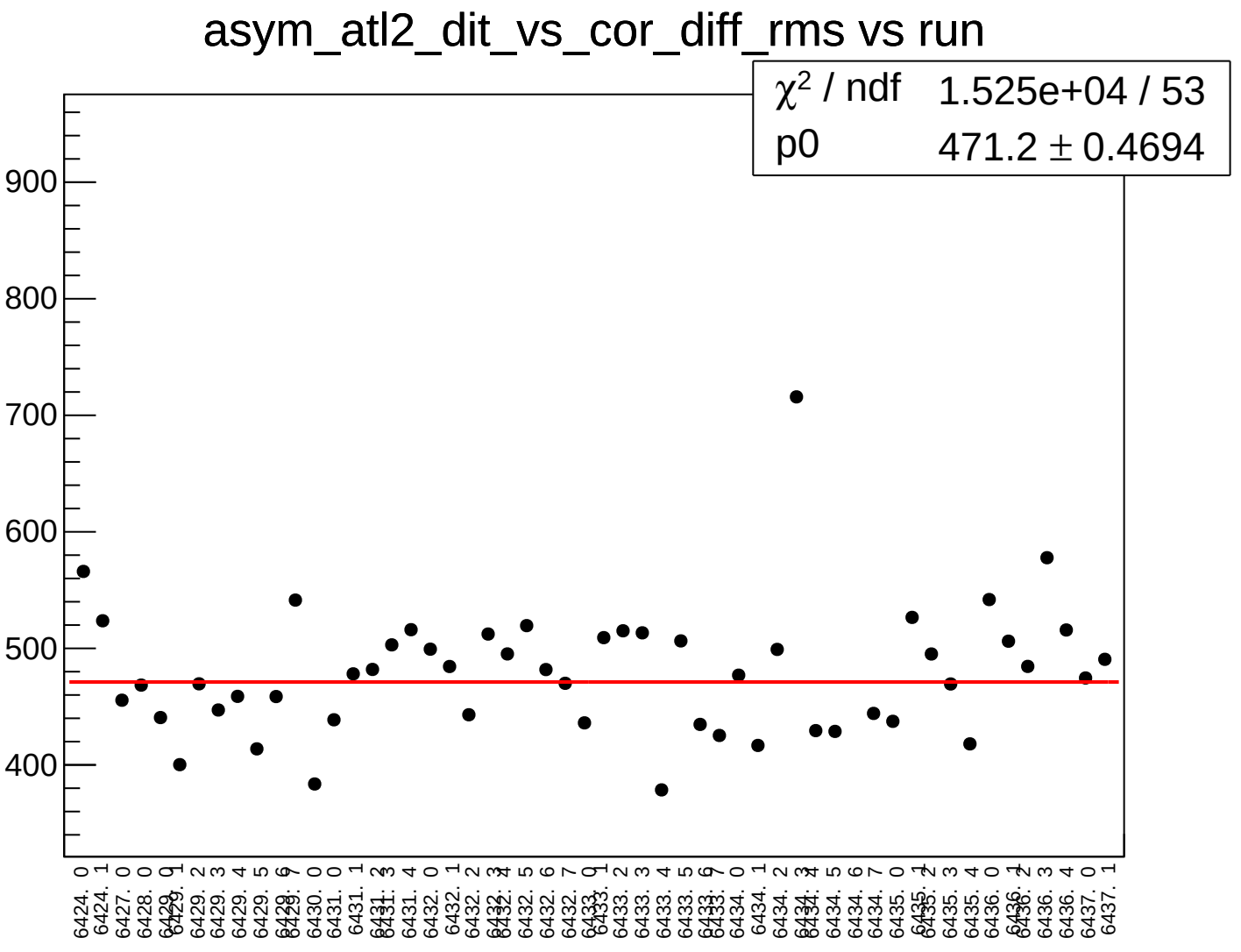

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 75.71 / 53
p0 5.437e−13 ± 2.941e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 34.52
Std Dev 24.45

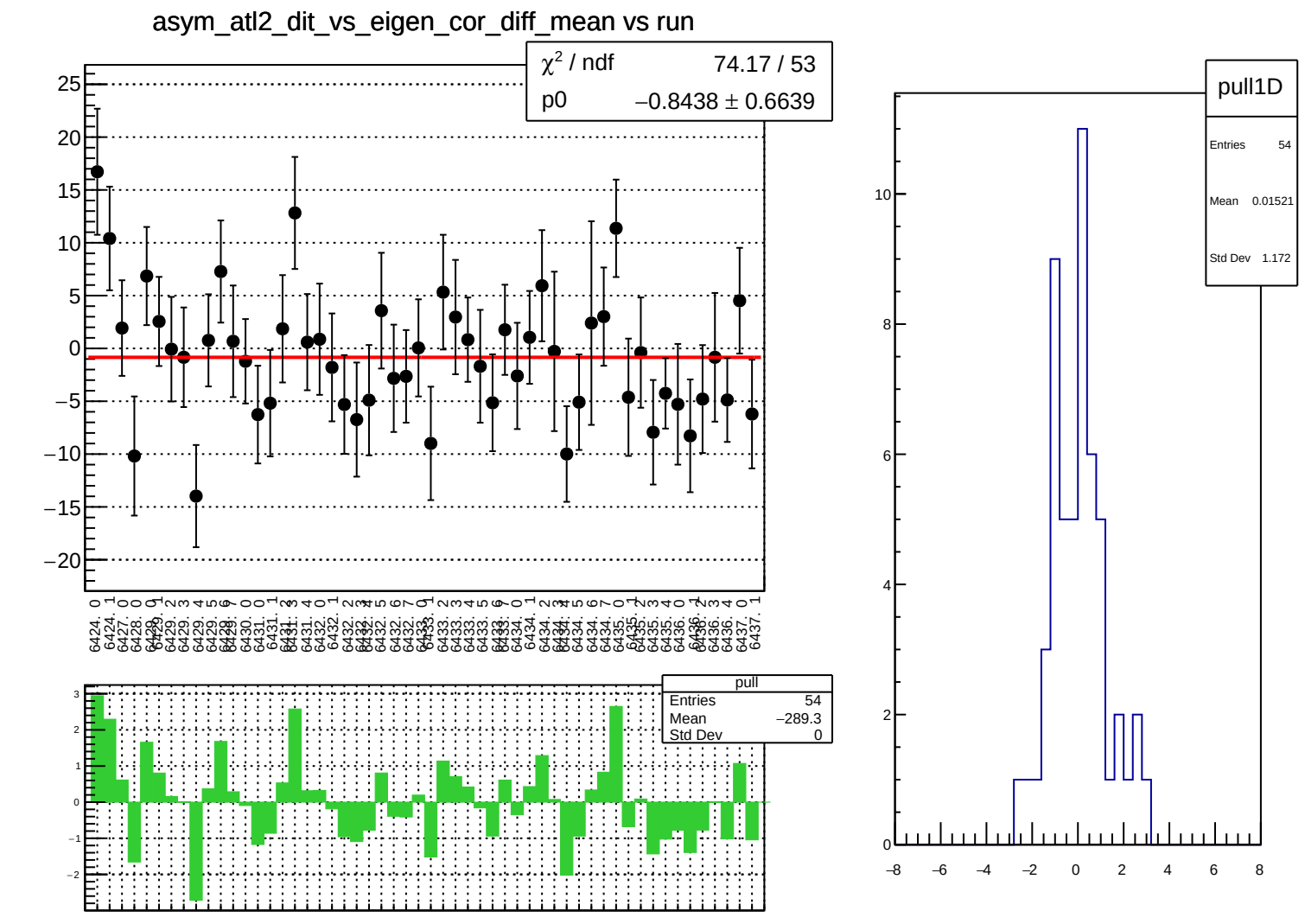

pull1D
Entries 54
Mean 0.124
Std Dev 1.178

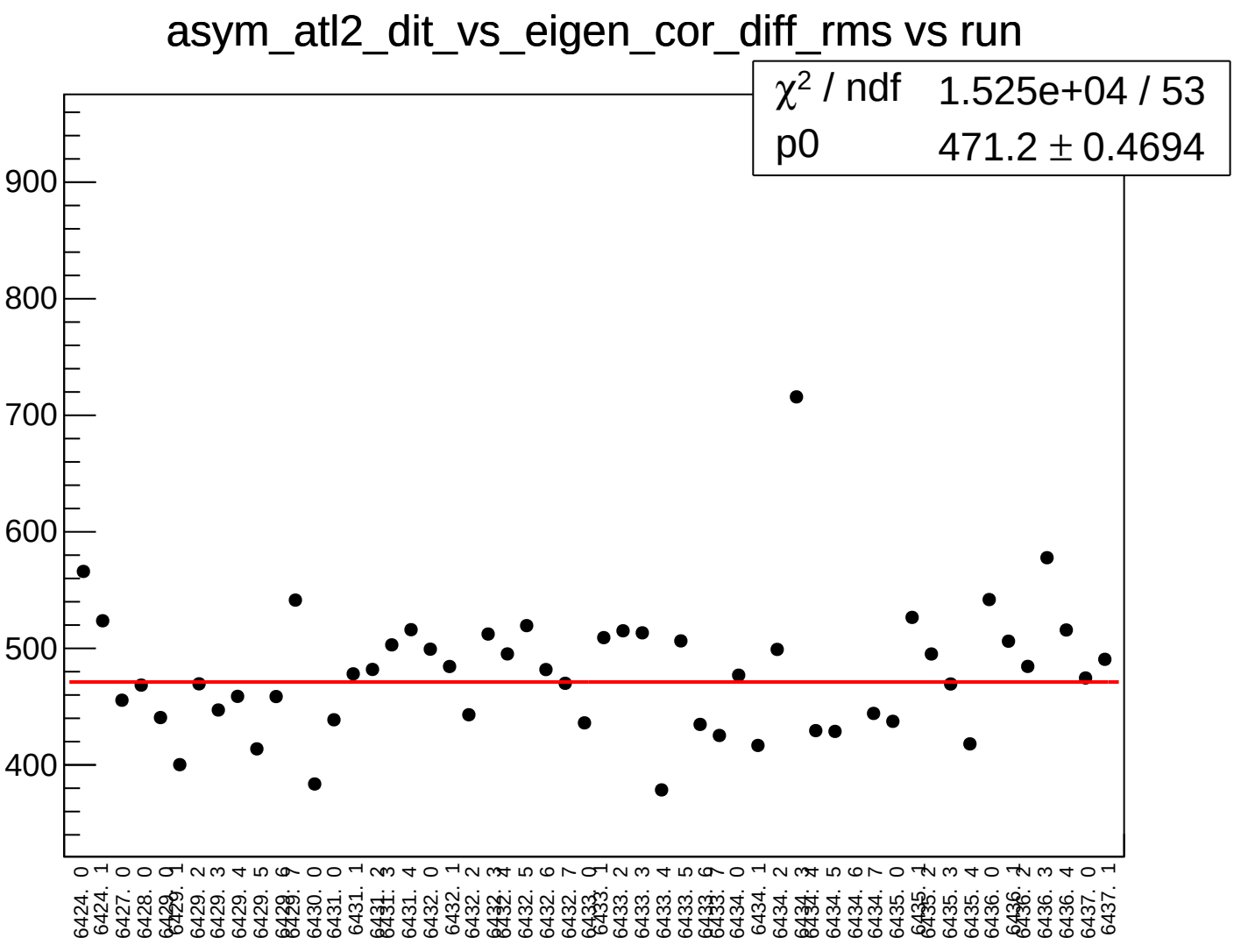

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.712e+05 / 53
p0 1.043e−10 ± 2.08e−13
2.5
2
1.5
1
0.5
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

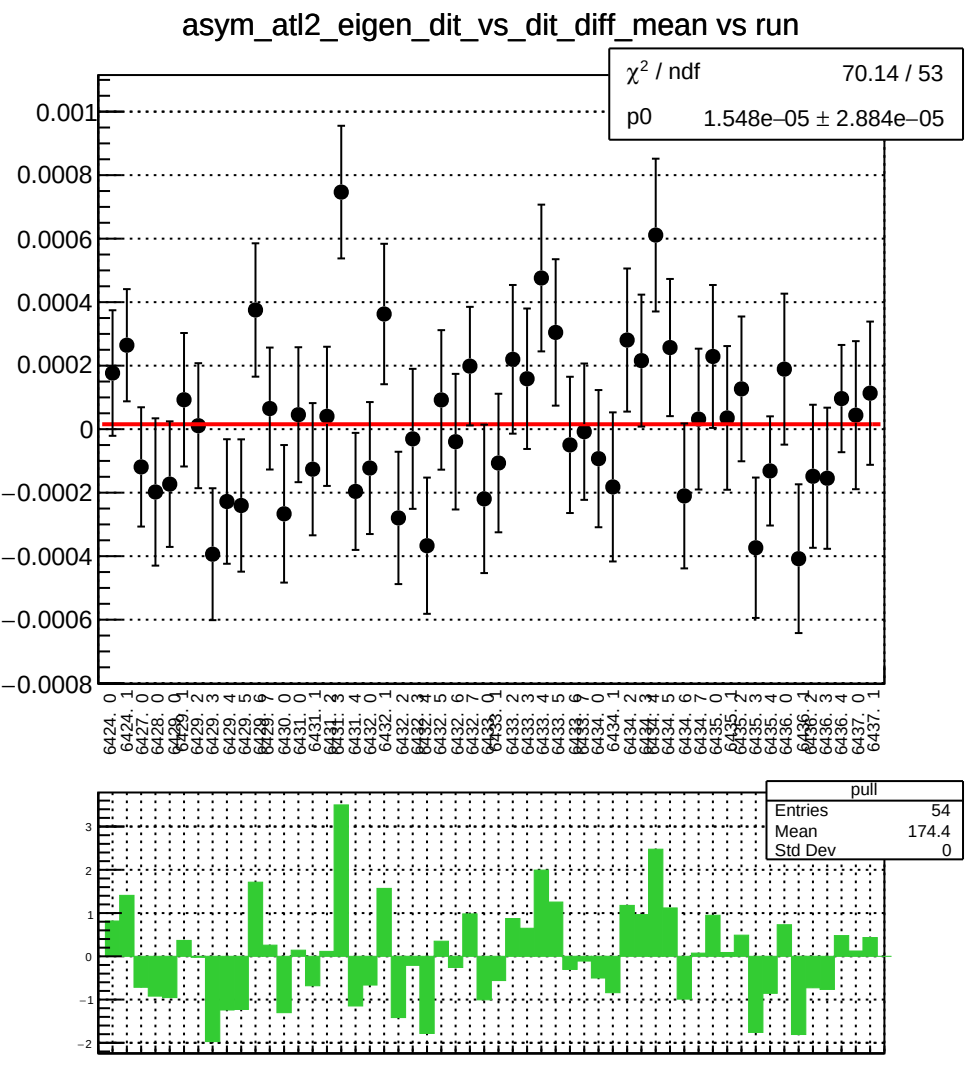

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 74.17 / 53
p0 −0.8438 ± 0.6639
pull
Entries 54
Mean −289.3
Std Dev 0

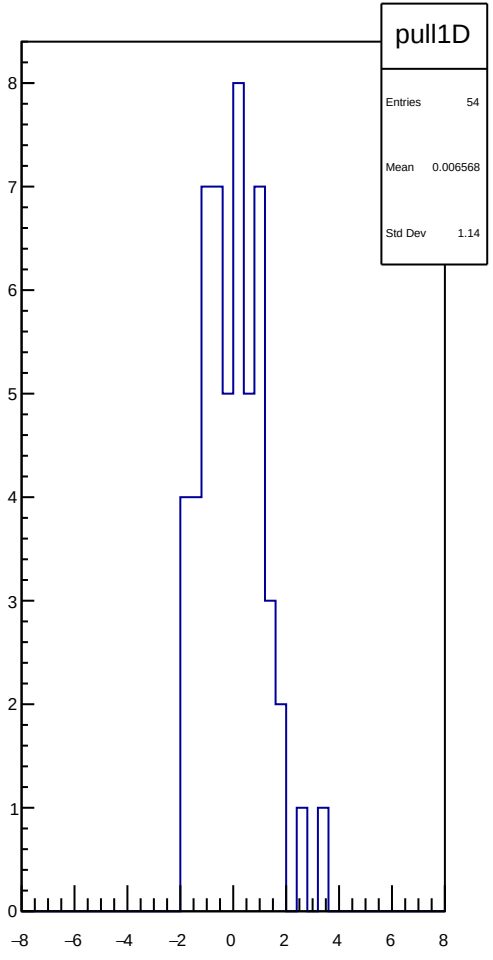

pull1D
Entries 54
Mean 0.01521
Std Dev 1.172

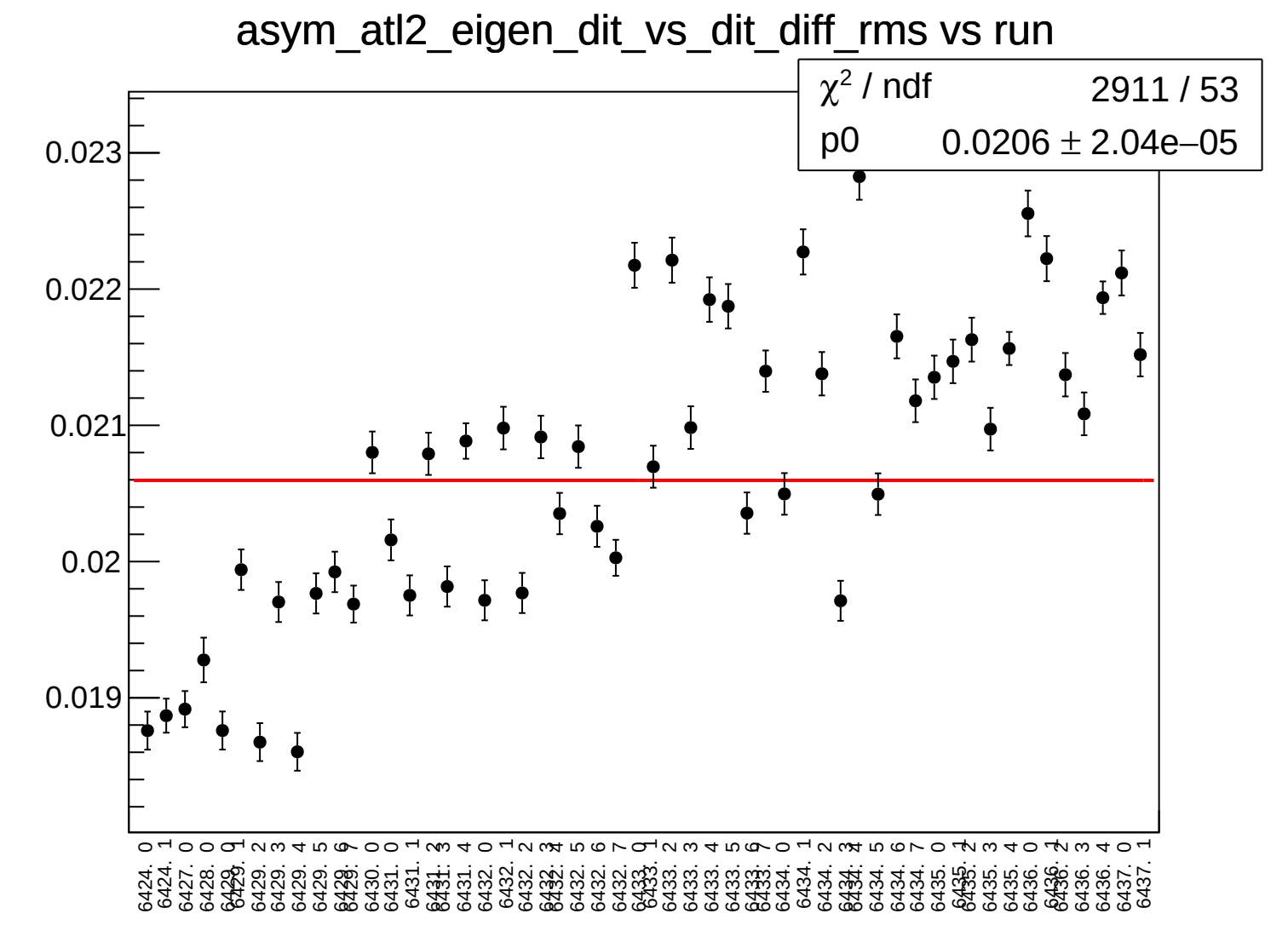

asym_atl2_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.525e+04 / 53
p0 471.2 ± 0.4694
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

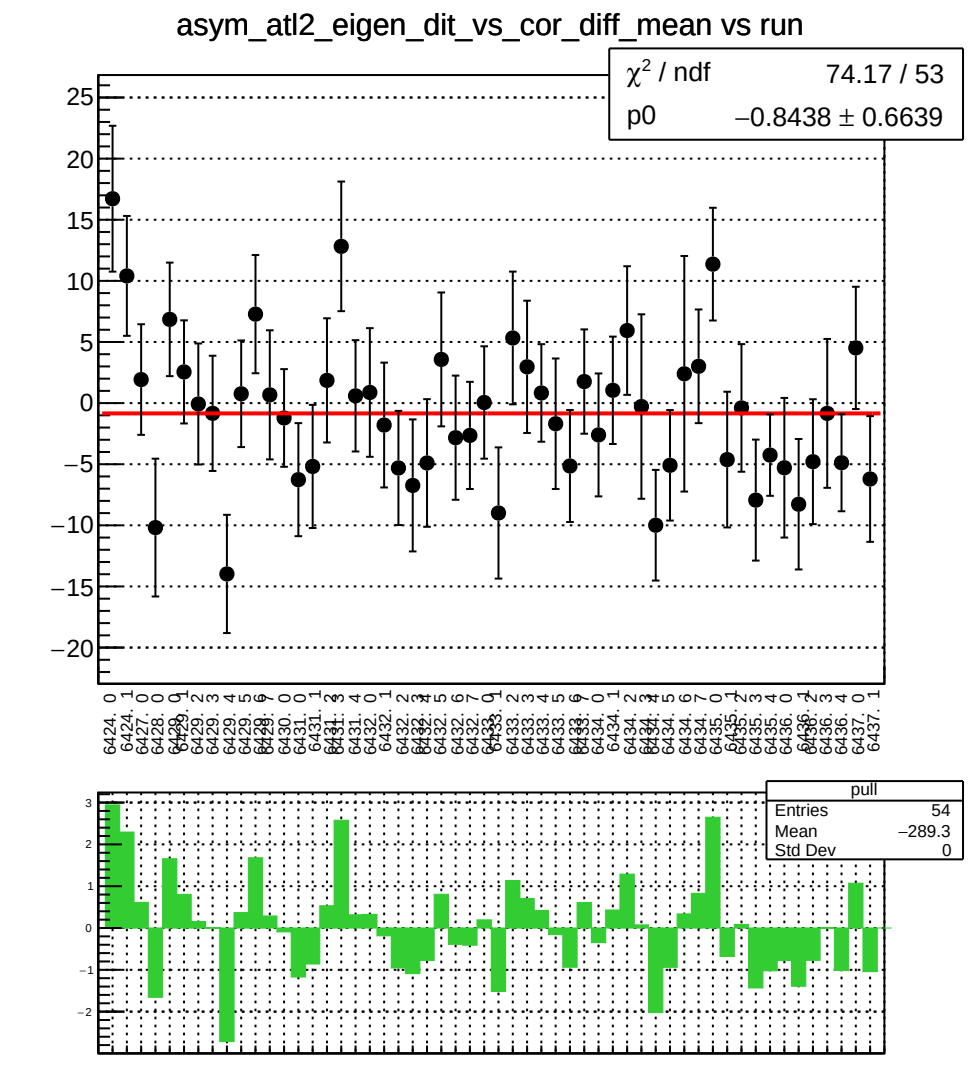

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.17 / 53
p0 −0.8438 ± 0.6639
pull
Entries 54
Mean −289.3
Std Dev 0
pull1D
Entries 54
Mean 0.01521
Std Dev 1.172

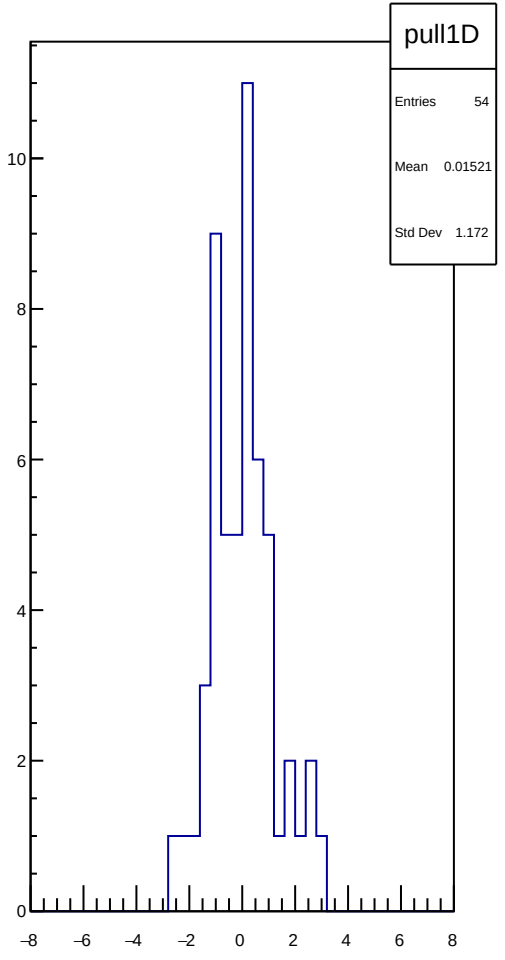

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.525e+04 / 53
p0 471.2 ± 0.4694
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

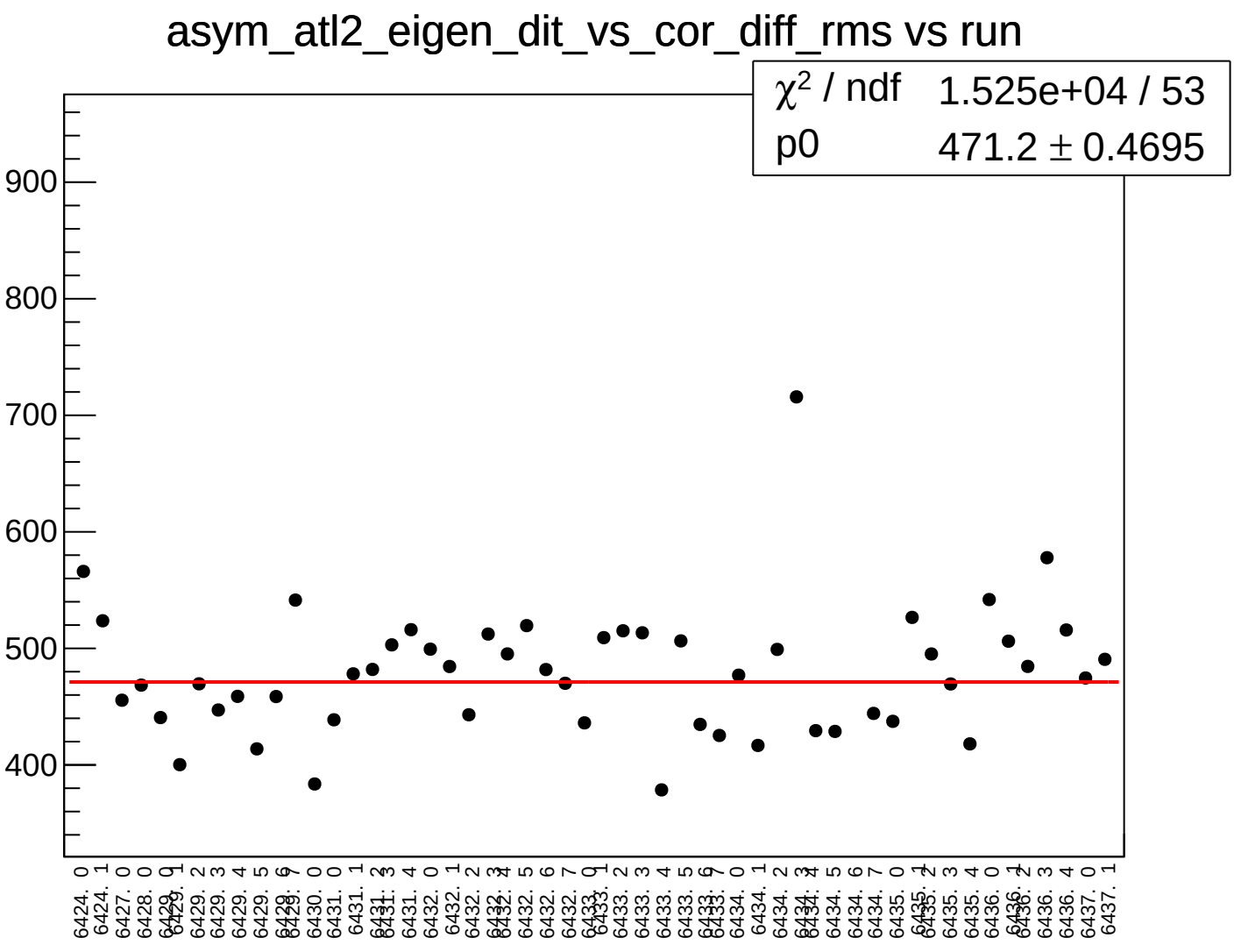

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 70.14 / 53
p0 1.548e−05 ± 2.884e−05
pull
Entries 54
Mean 174.4
Std Dev 0

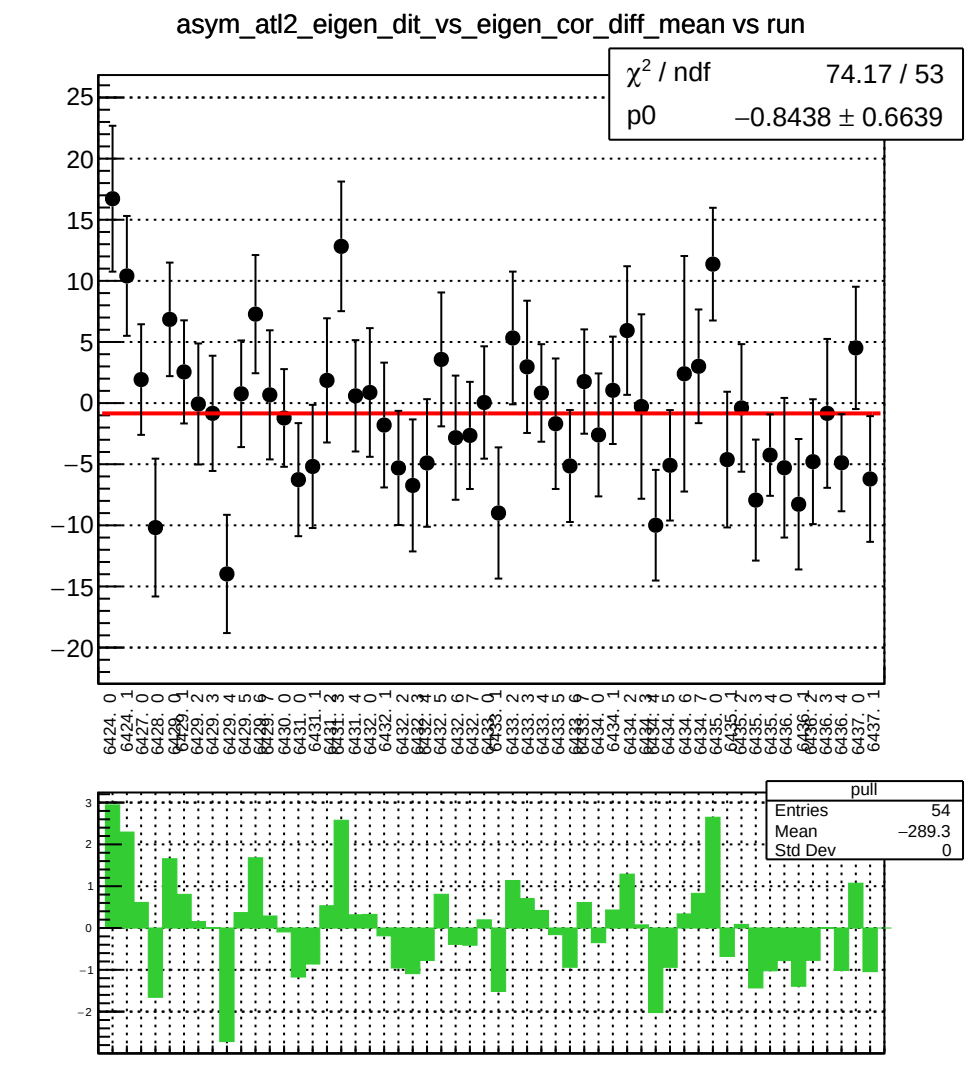

pull1D
Entries 54
Mean 0.006568
Std Dev 1.14

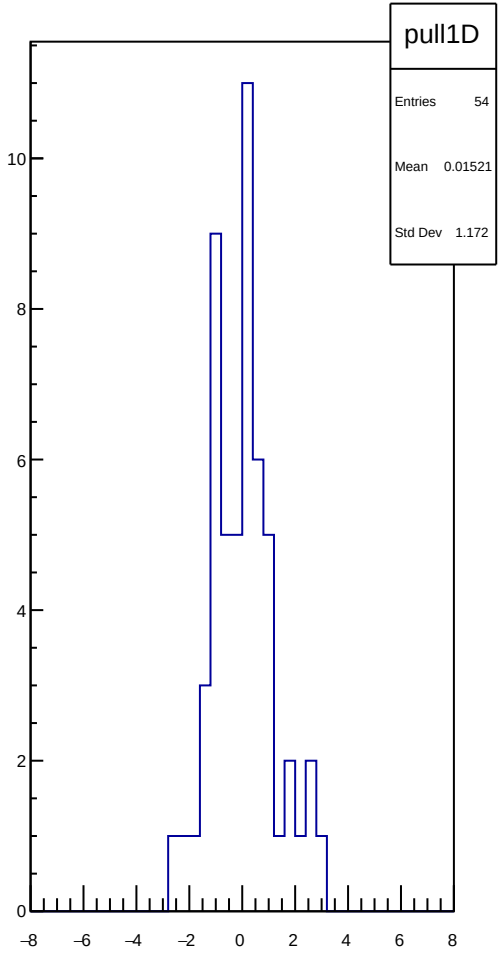

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2911 / 53
p0 0.0206 ± 2.04e−05
0.023
0.022
0.021
0.02
0.019
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

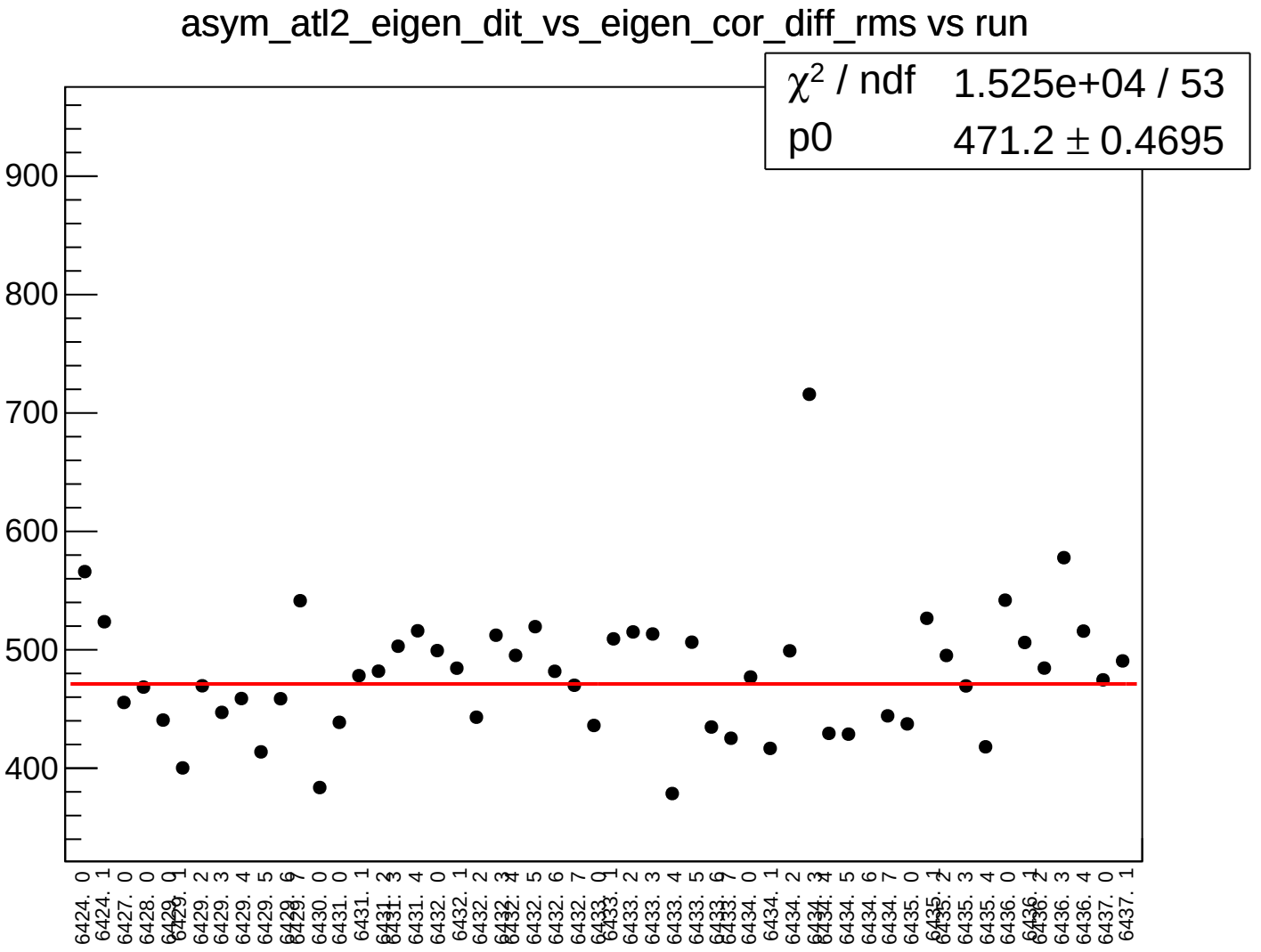

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.17 / 53
p0 −0.8438 ± 0.6639
pull
Entries 54
Mean −289.3
Std Dev 0

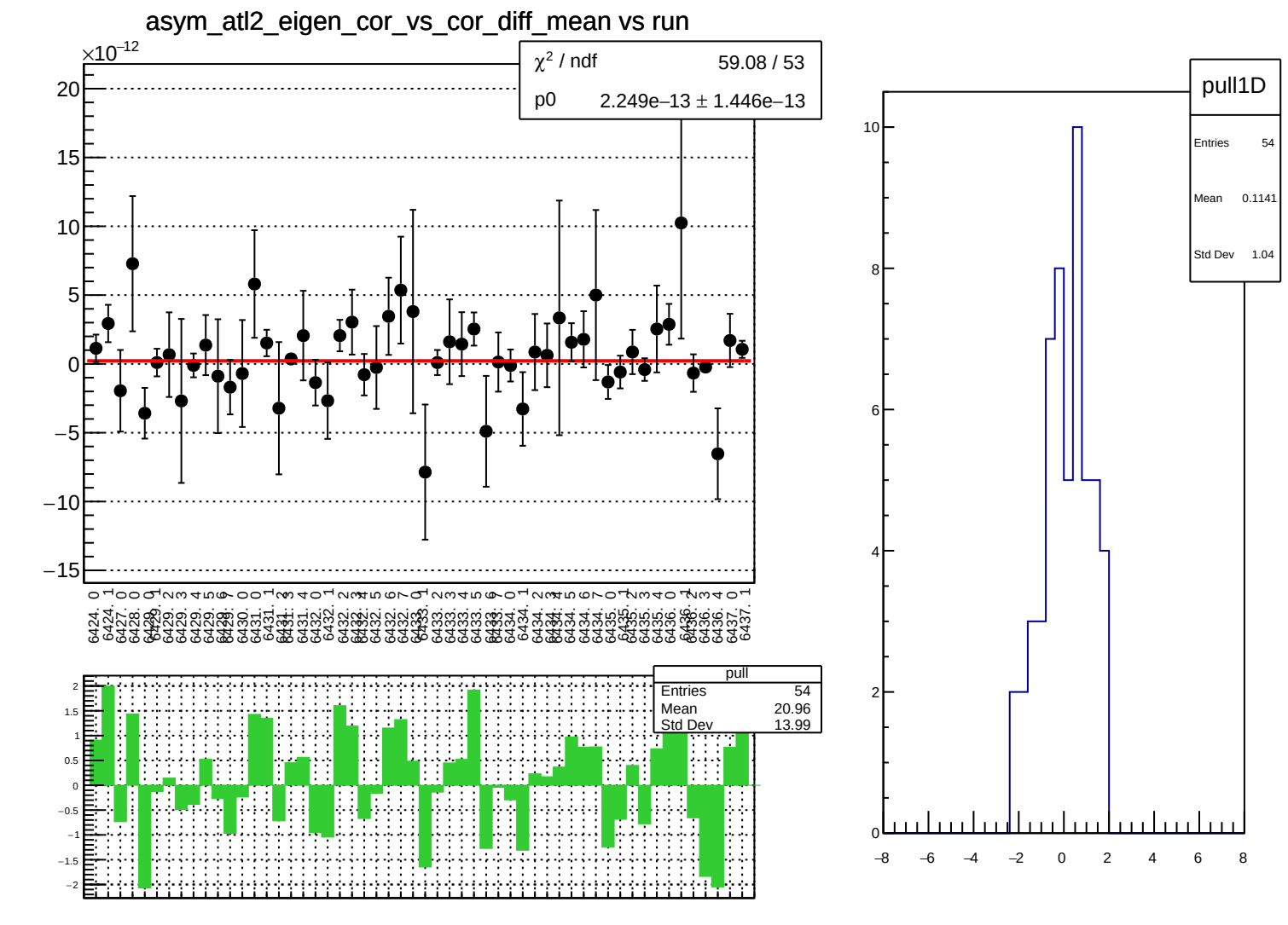

pull1D
Entries 54
Mean 0.01521
Std Dev 1.172

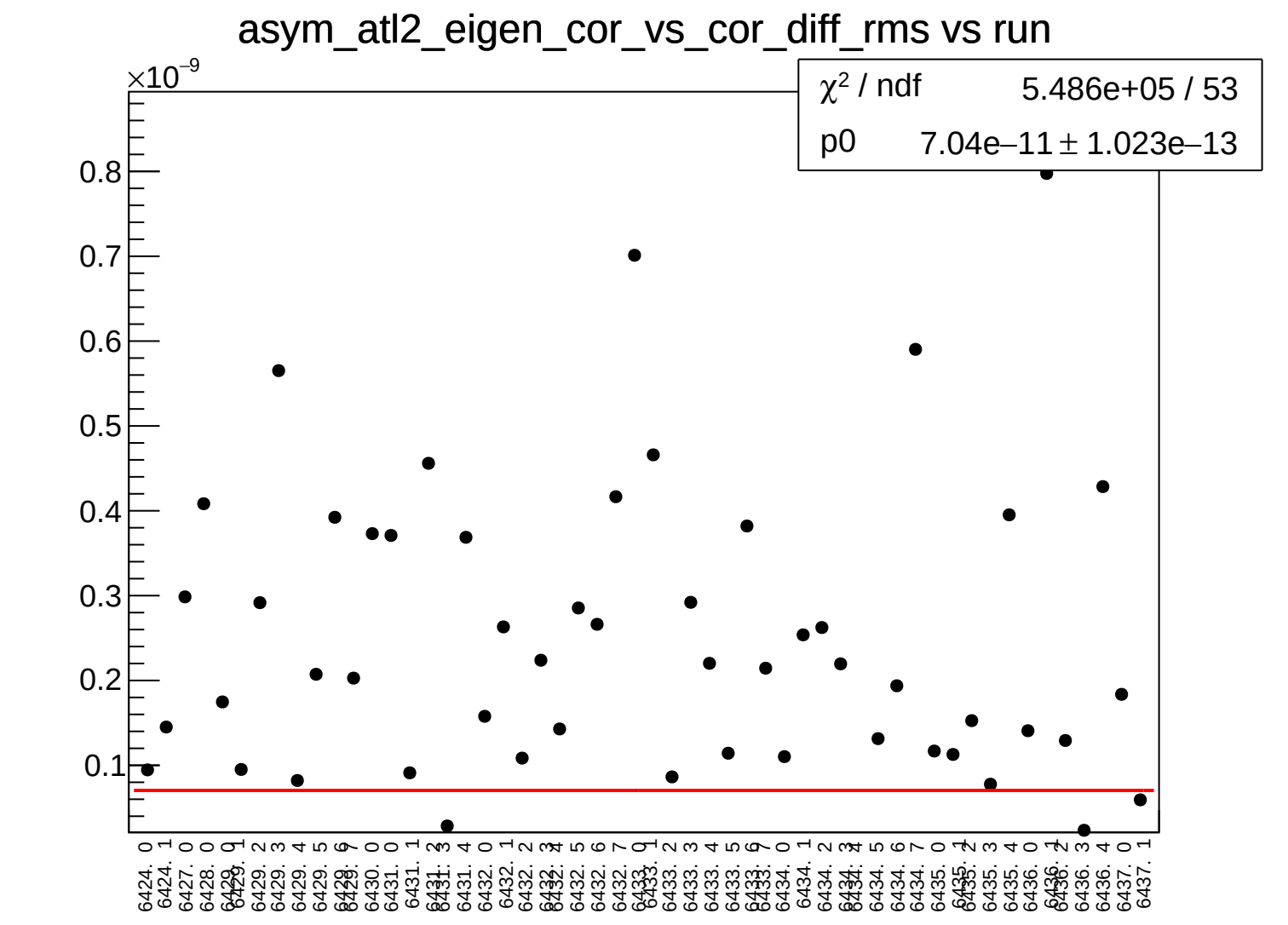

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.525e+04 / 53
p0 471.2 ± 0.4695
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

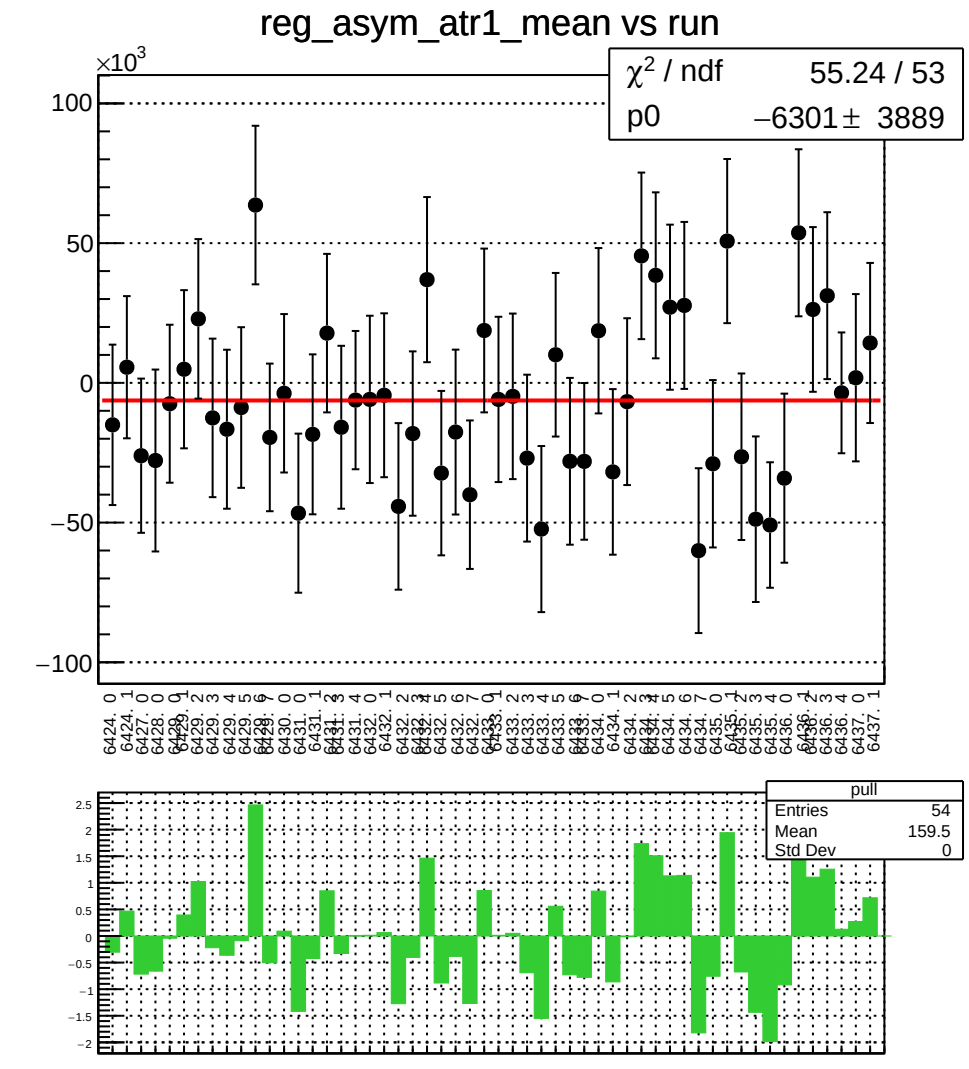

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.17 / 53
p0 −0.8438 ± 0.6639
pull
Entries 54
Mean −289.3
Std Dev 0

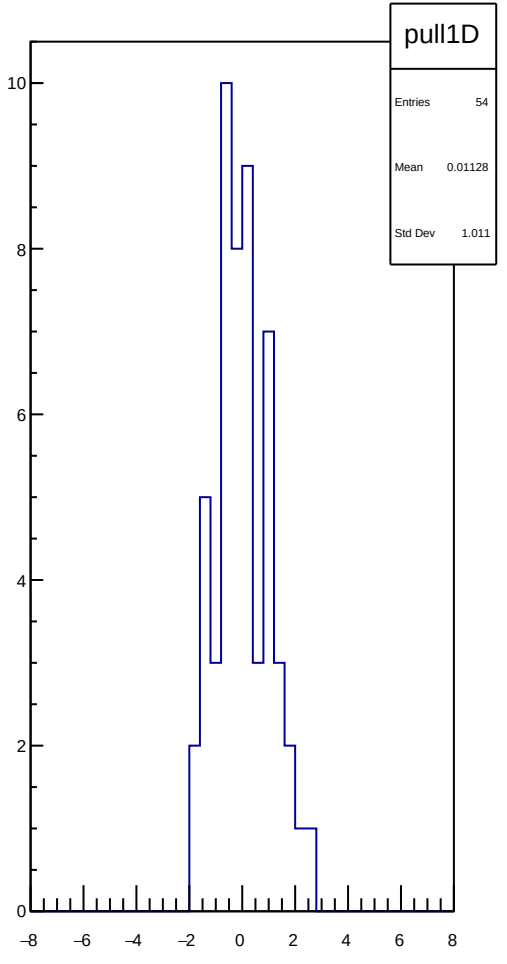

pull1D
Entries 54
Mean 0.01521
Std Dev 1.172

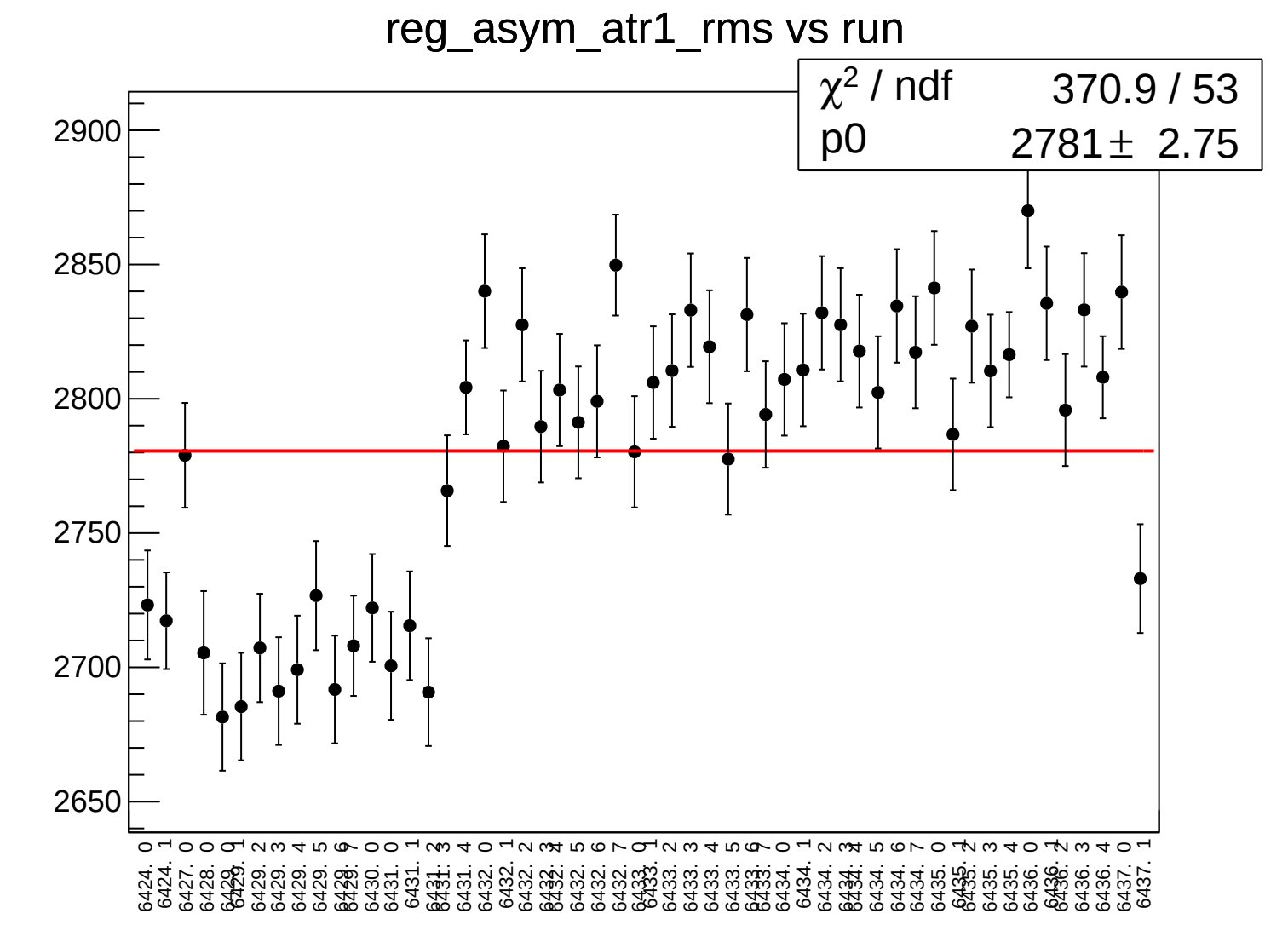

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.525e+04 / 53
p0 471.2 ± 0.4695
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

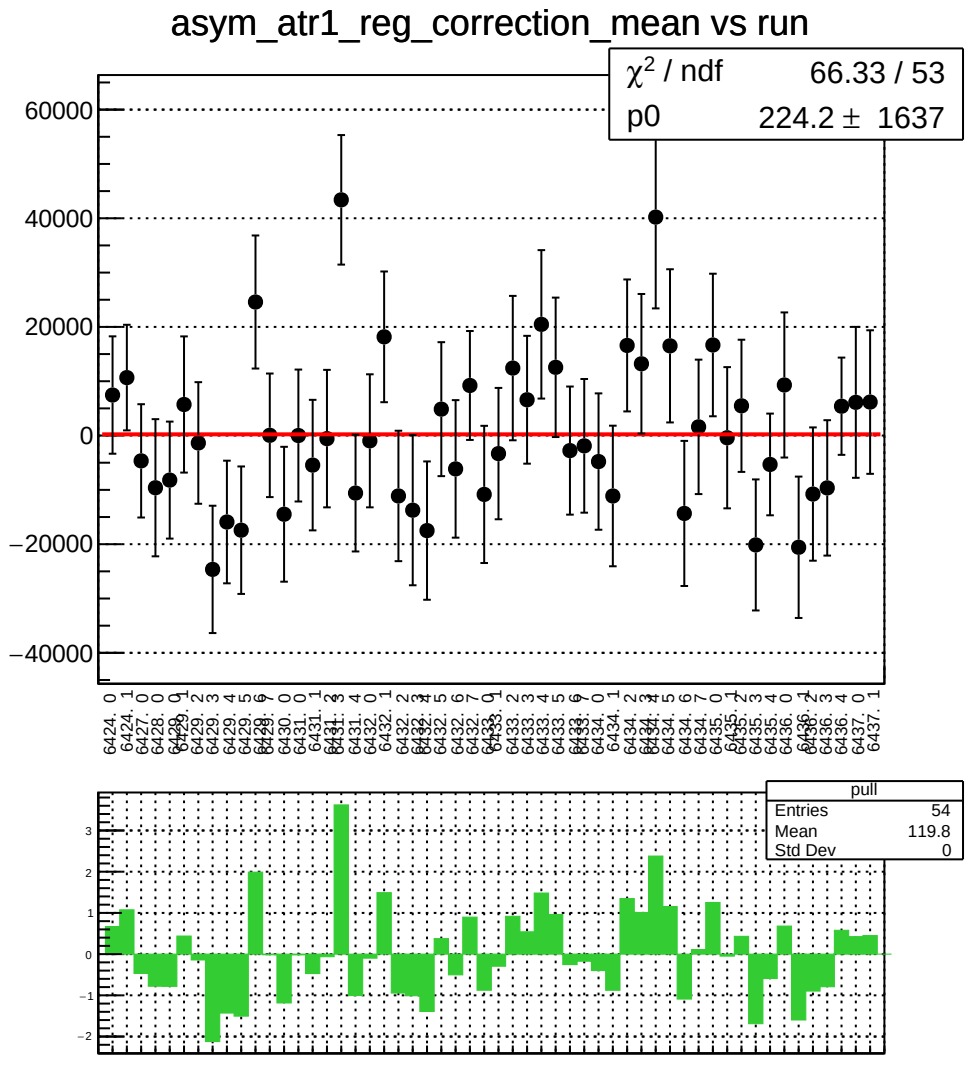

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.08 / 53
p0 2.249e−13 ± 1.446e−13
pull
Entries 54
Mean 20.96
Std Dev 13.99
pull1D
Entries 54
Mean 0.1141
Std Dev 1.04

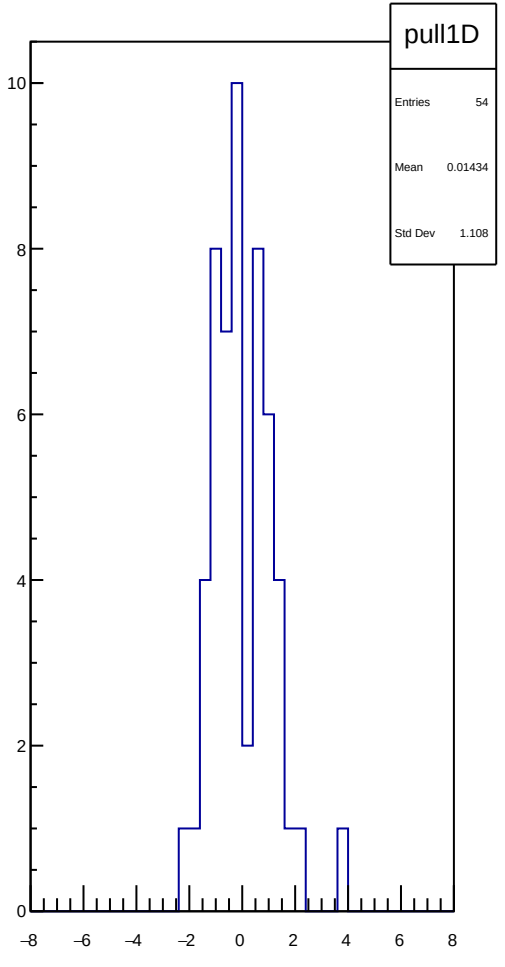

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.486e+05 / 53
p0 7.04e−11 ± 1.023e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

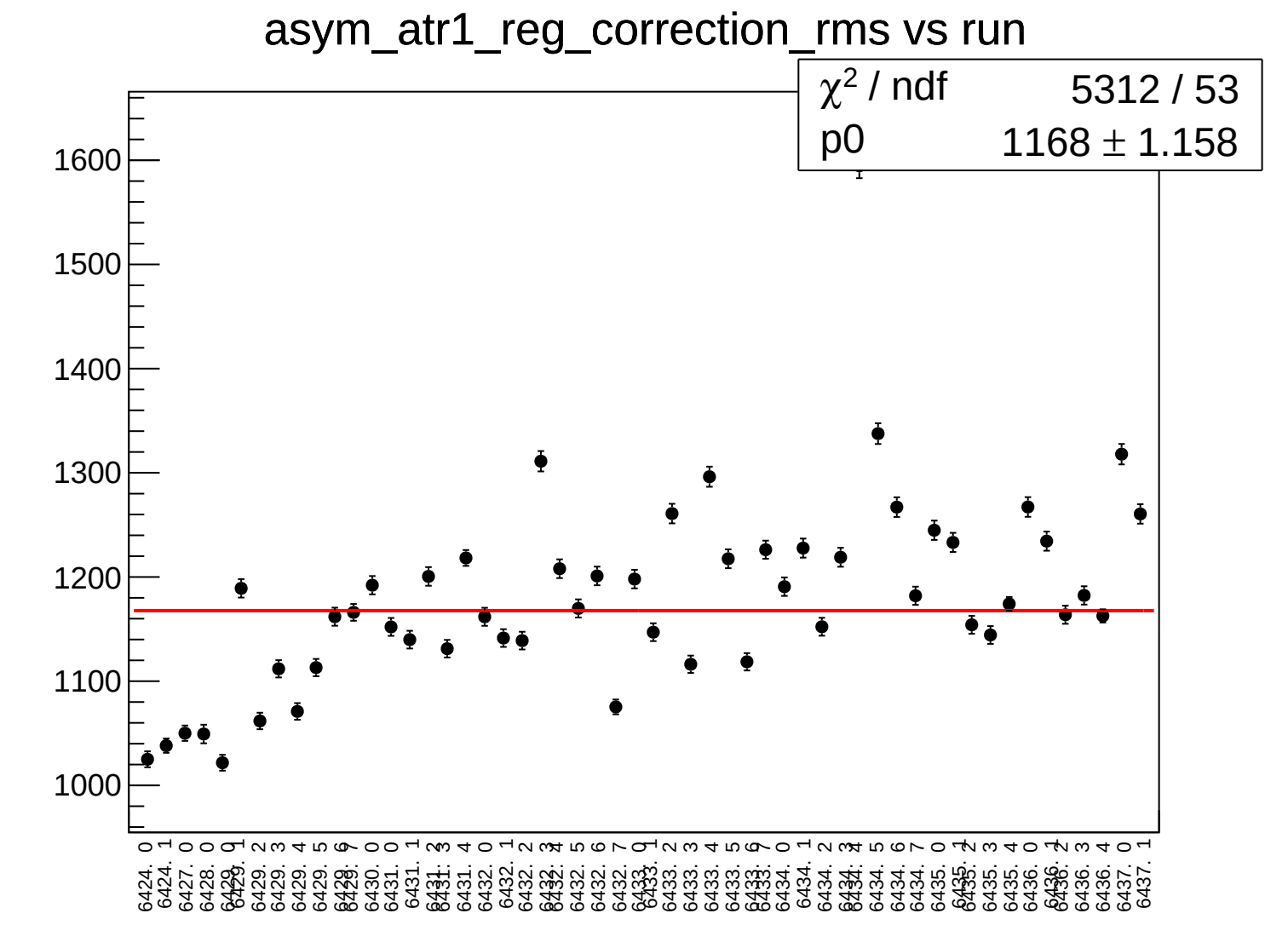

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 55.24 / 53
p0 −6301 ± 3889
100
50
0
−50
−100
pull
Entries 54
Mean 159.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

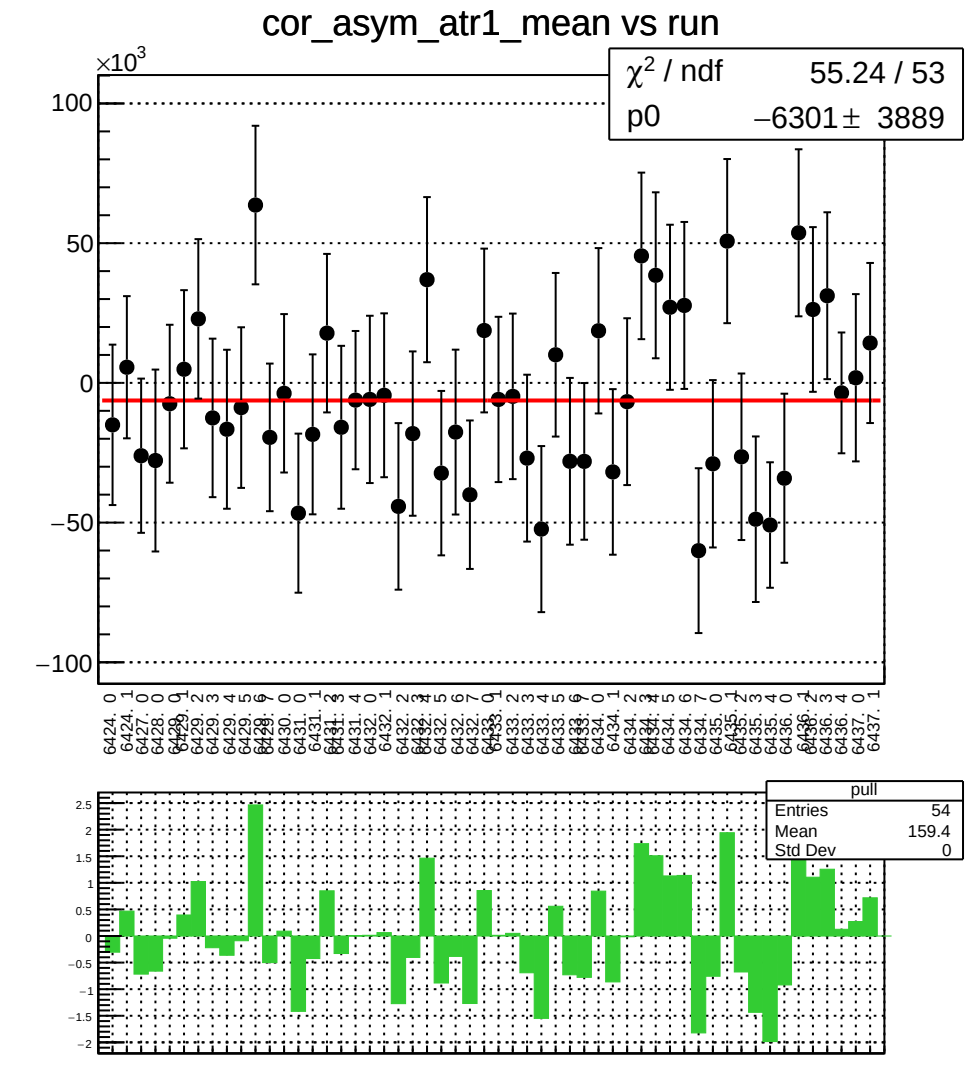

pull1D
Entries 54
Mean 0.01128
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

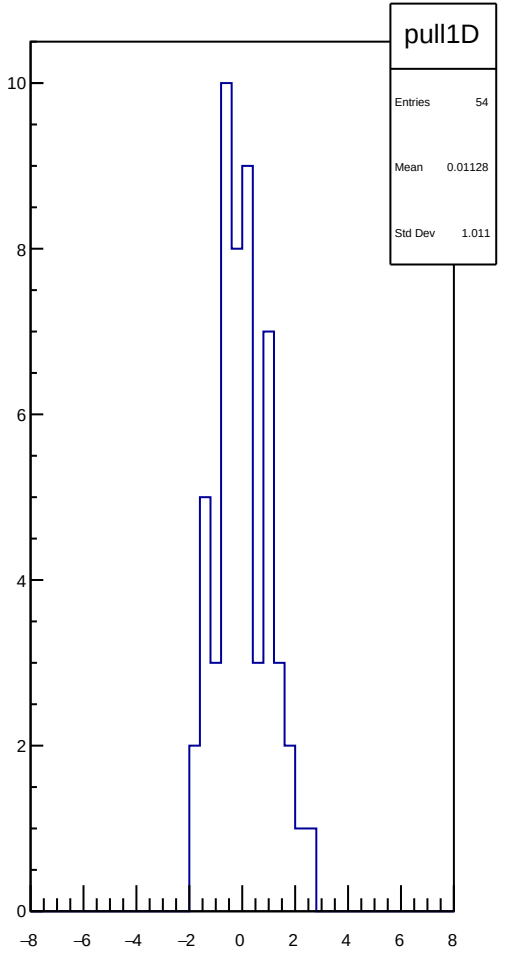

reg_asym_atr1_rms vs run
χ² / ndf 370.9 / 53
p0 2781 ± 2.75
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

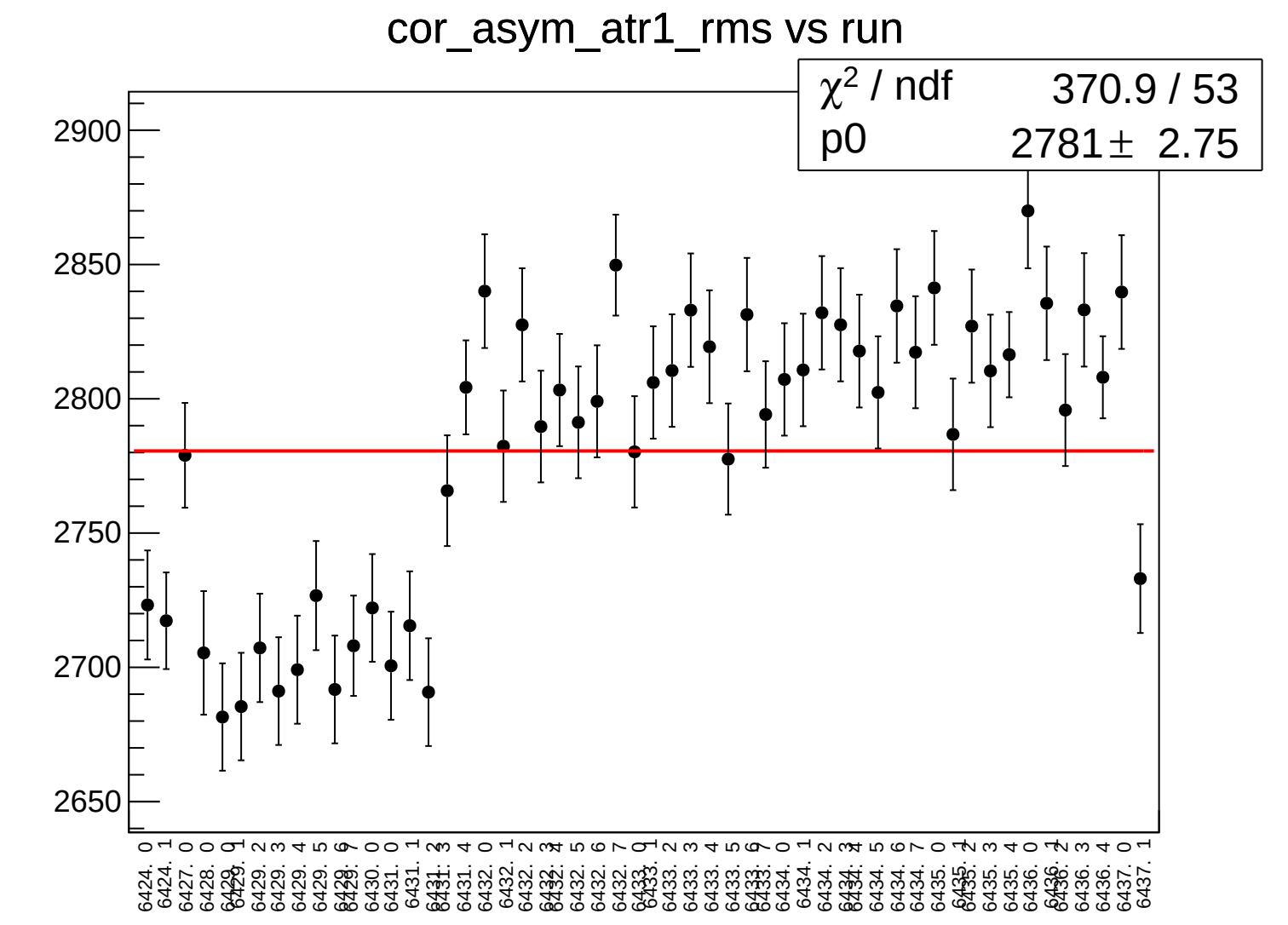

asym_atr1_reg_correction_mean vs run
χ² / ndf 66.33 / 53
p0 224.2 ± 1637
pull
Entries 54
Mean 119.8
Std Dev 0

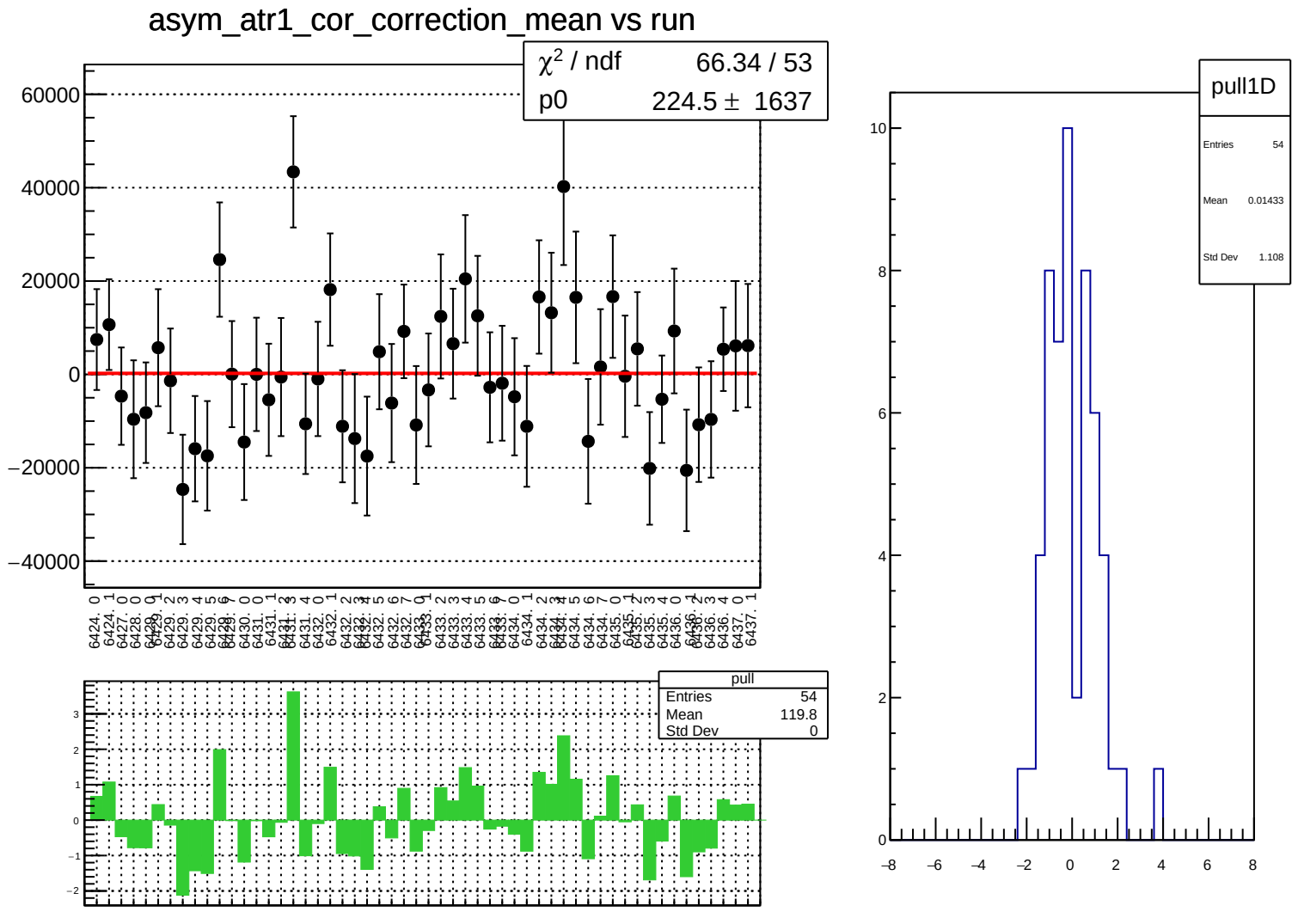

pull1D
Entries 54
Mean 0.01434
Std Dev 1.108

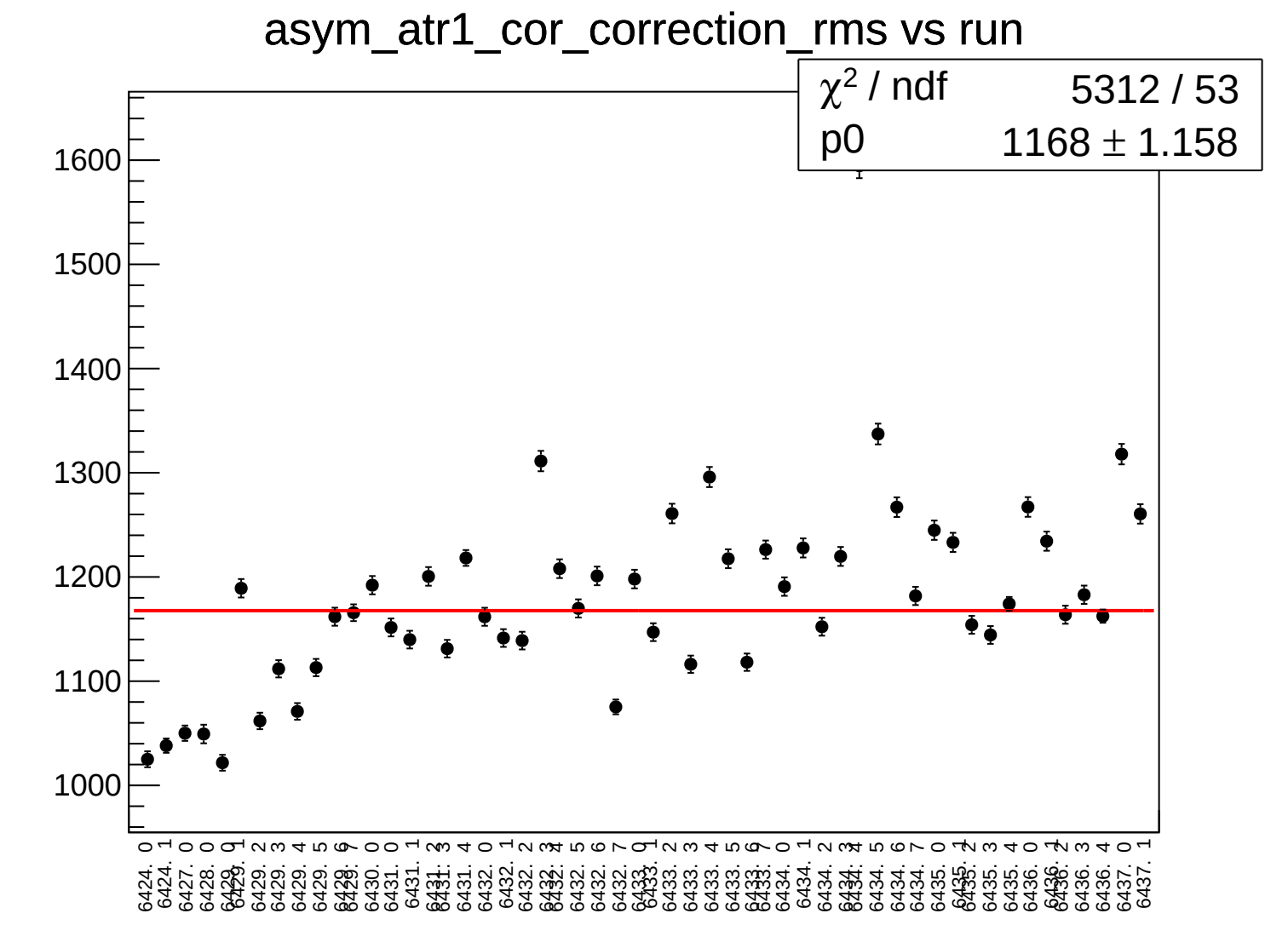

asym_atr1_reg_correction_rms vs run
χ² / ndf 5312 / 53
p0 1168 ± 1.158
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

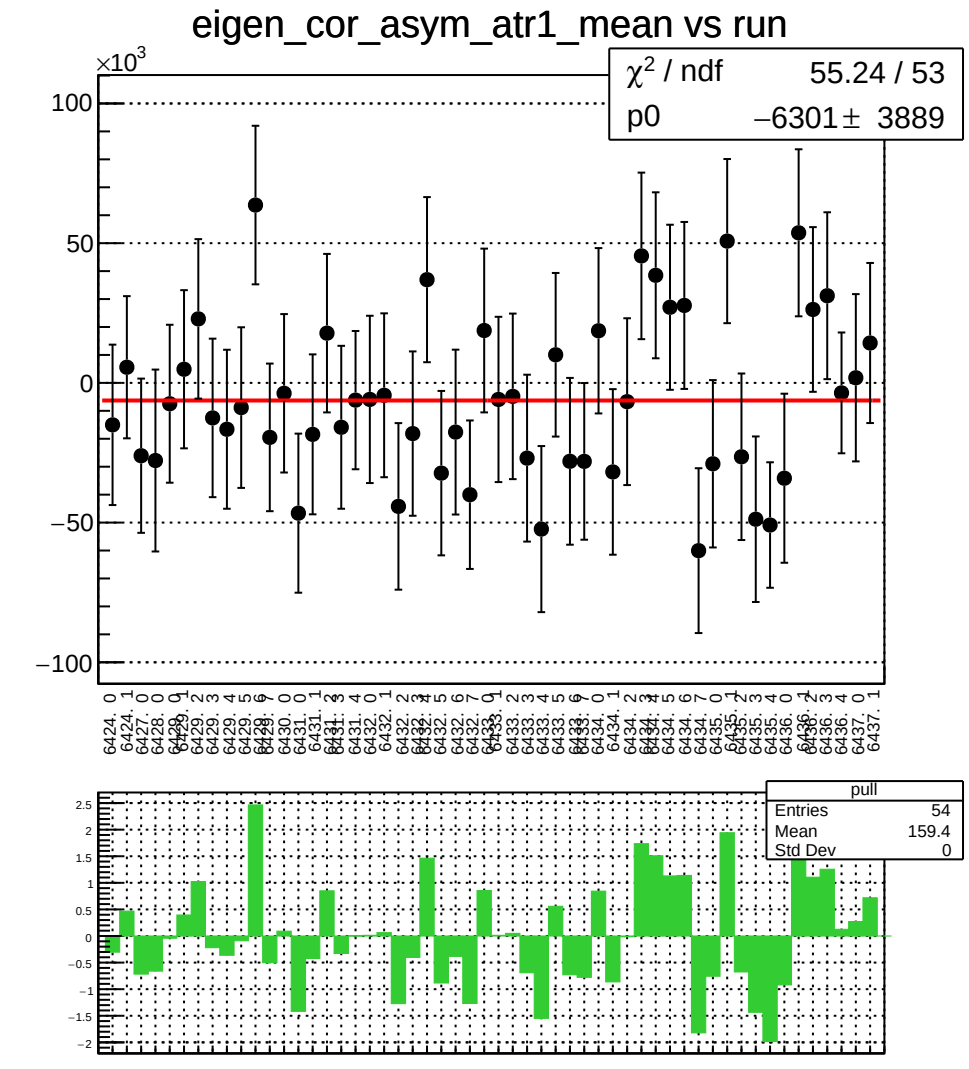

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 55.24 / 53
p0 −6301 ± 3889
100
50
0
−50
−100
pull
Entries 54
Mean 159.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

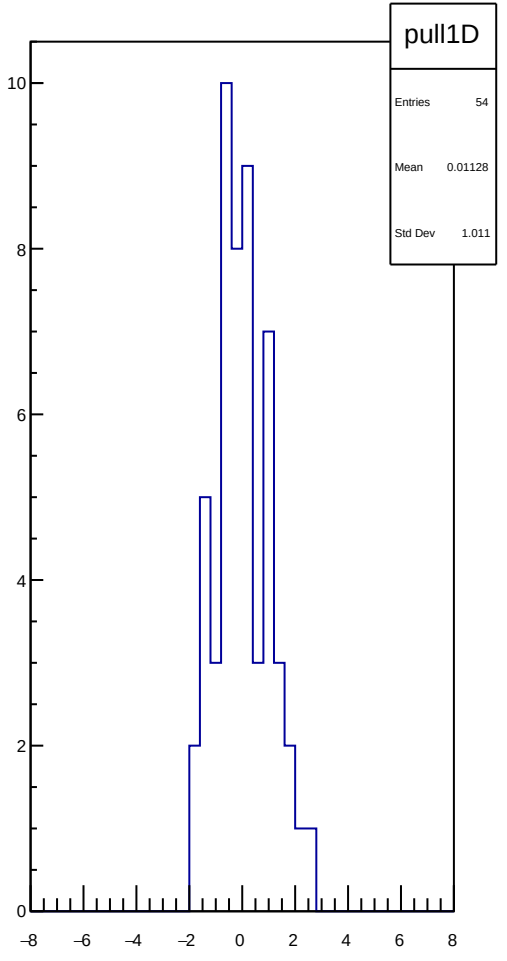

pull1D
Entries 54
Mean 0.01128
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

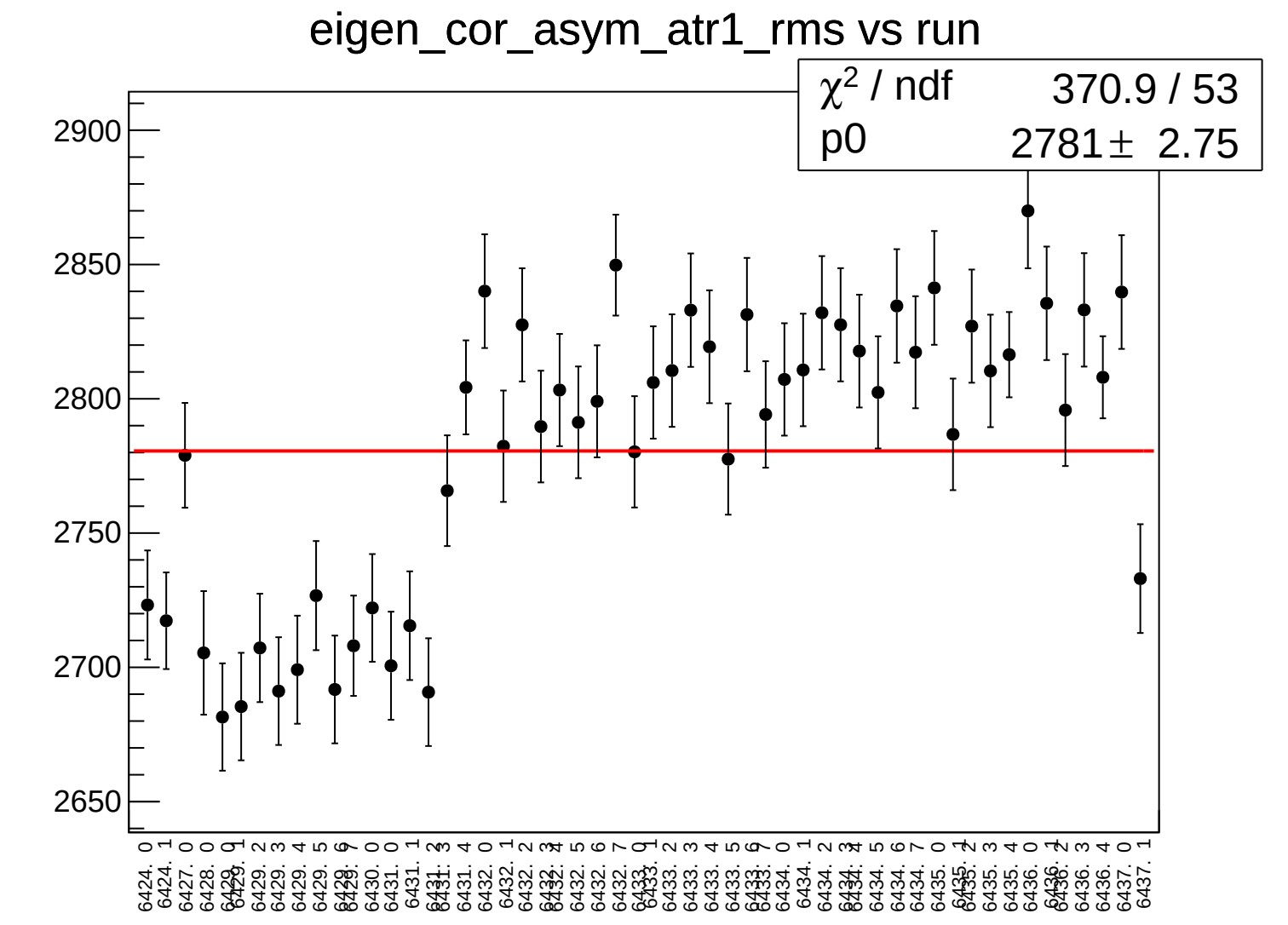

cor_asym_atr1_rms vs run
χ² / ndf 370.9 / 53
p0 2781 ± 2.75
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

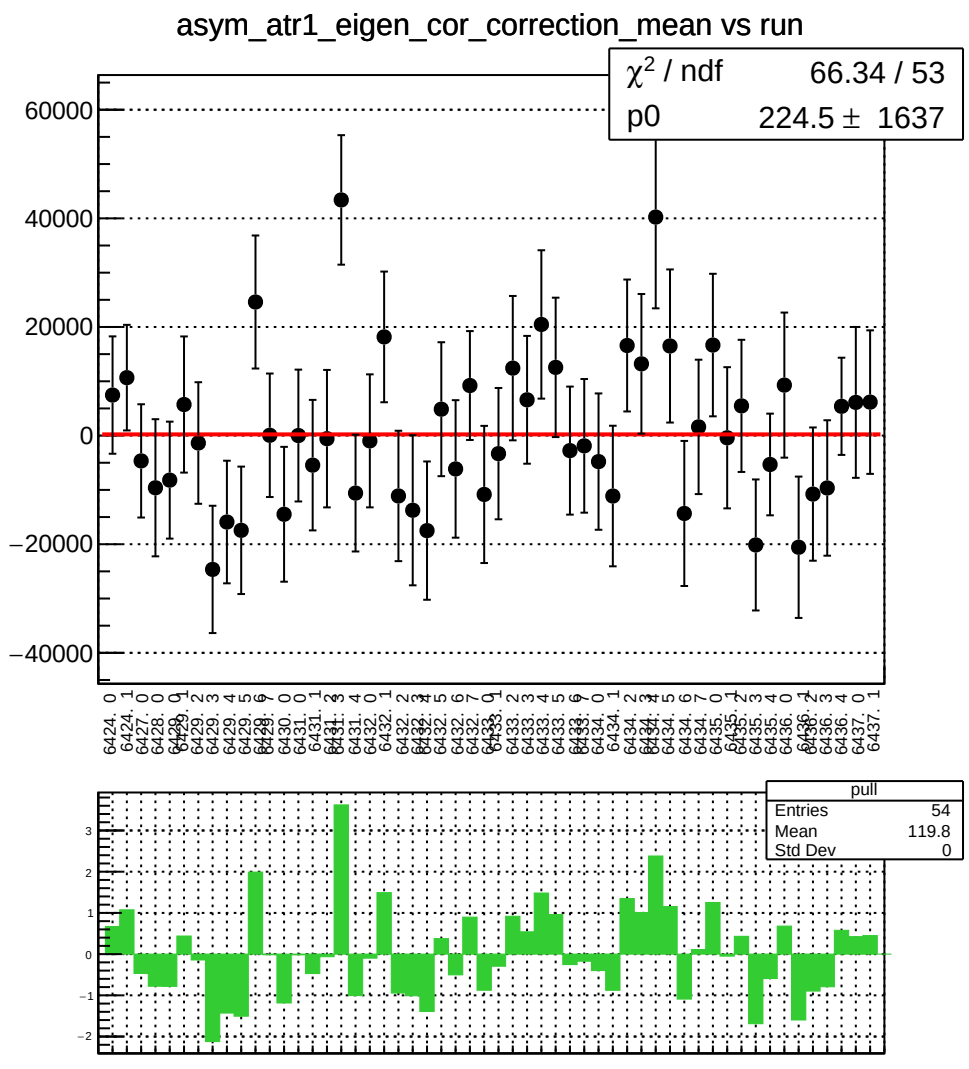

asym_atr1_cor_correction_mean vs run
χ² / ndf 66.34 / 53
p0 224.5 ± 1637
pull
Entries 54
Mean 119.8
Std Dev 0
pull1D
Entries 54
Mean 0.01433
Std Dev 1.108

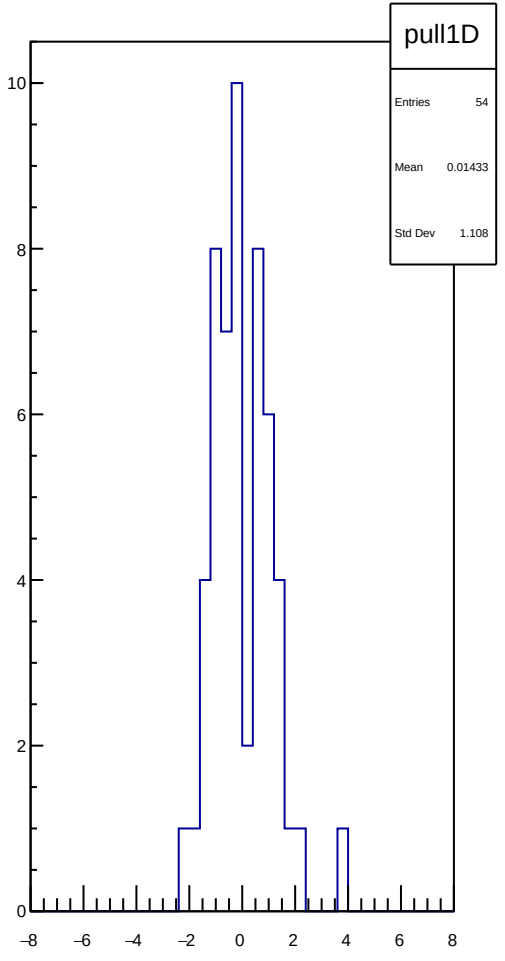

asym_atr1_cor_correction_rms vs run
χ² / ndf 5312 / 53
p0 1168 ± 1.158
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

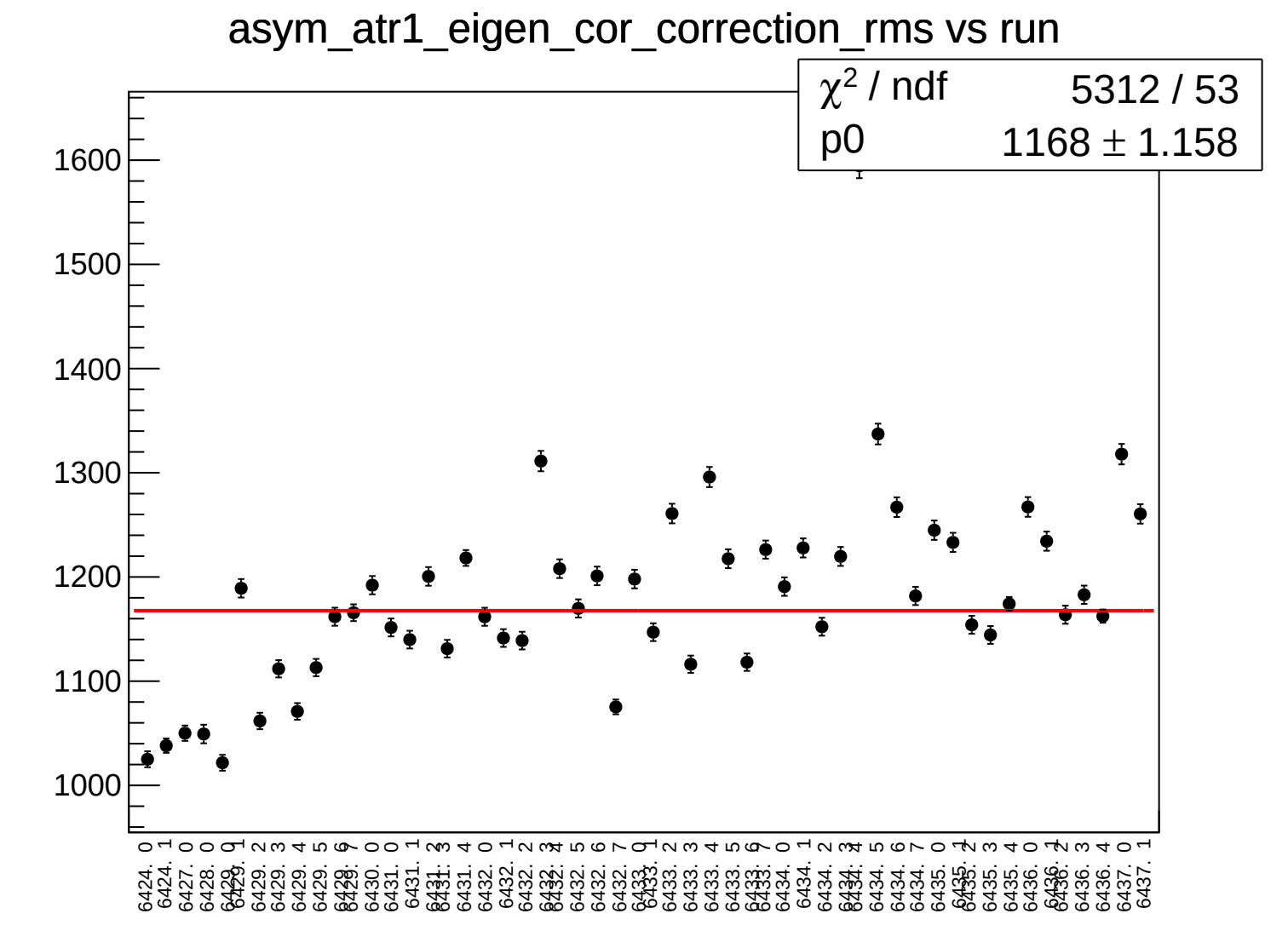

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 55.24 / 53
p0 −6301 ± 3889
100
50
0
−50
−100
pull
Entries 54
Mean 159.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

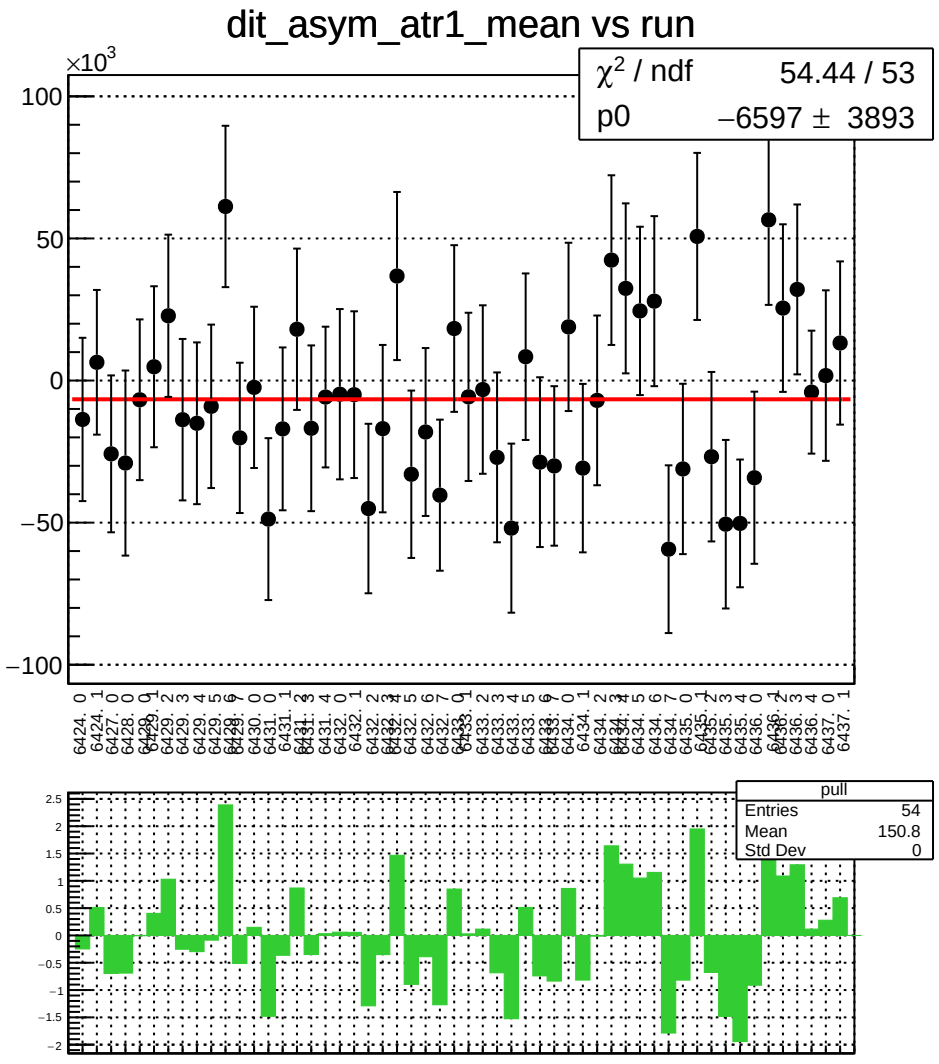

pull1D
Entries 54
Mean 0.01128
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

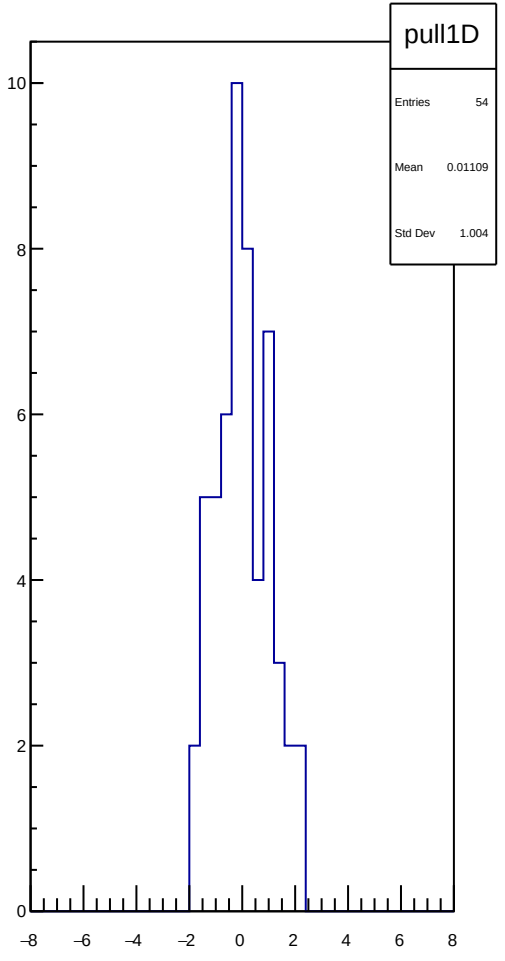

eigen_cor_asym_atr1_rms vs run
χ² / ndf 370.9 / 53
p0 2781 ± 2.75
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

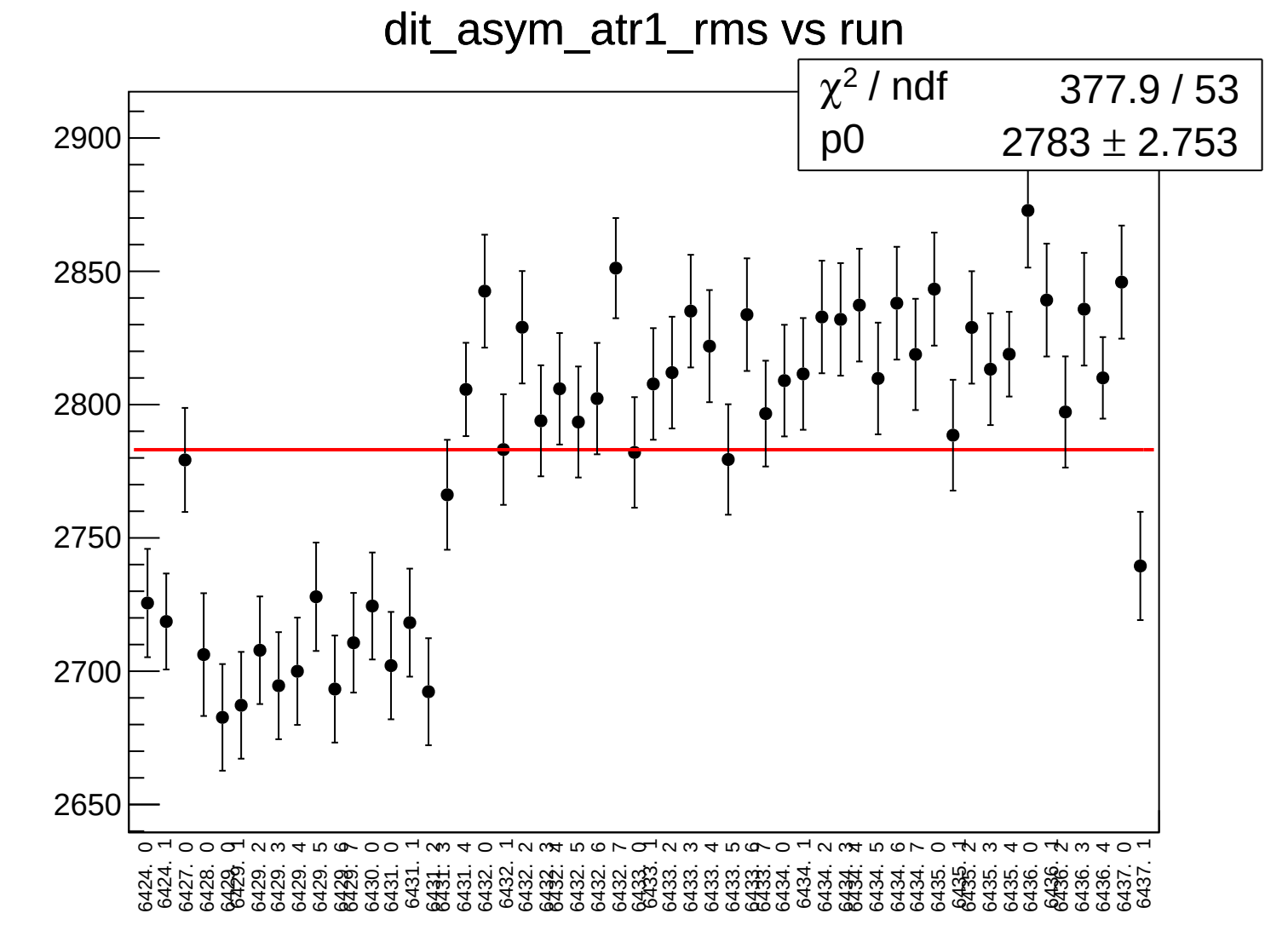

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 66.34 / 53
p0 224.5 ± 1637
pull
Entries 54
Mean 119.8
Std Dev 0

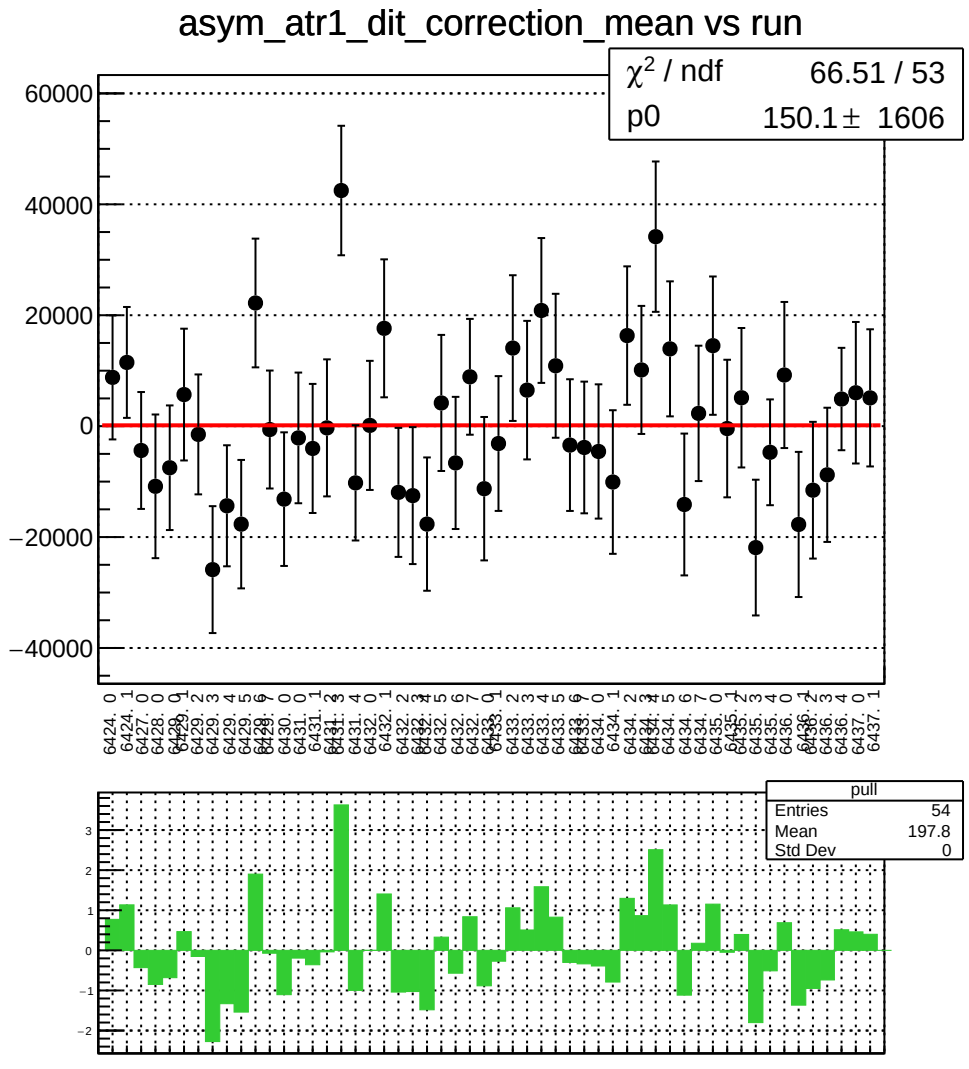

pull1D
Entries 54
Mean 0.01433
Std Dev 1.108

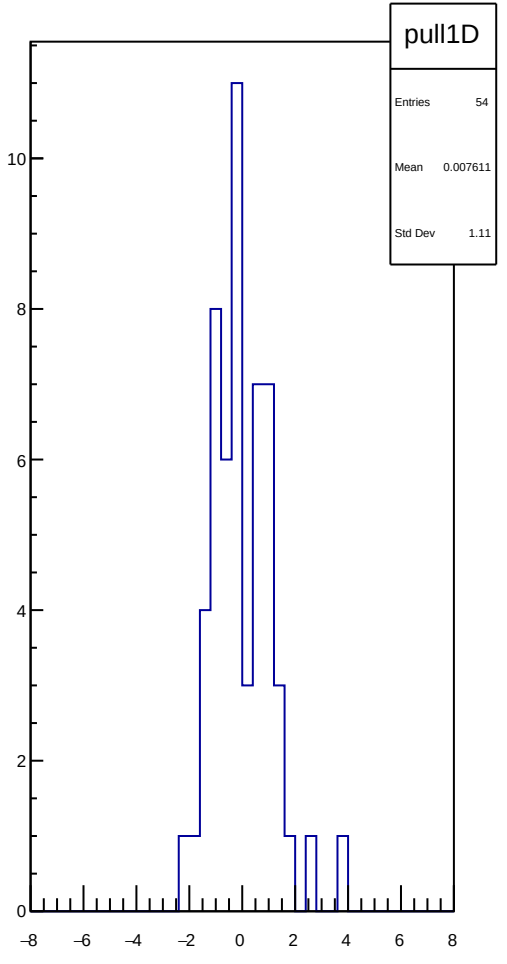

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 5312 / 53
p0 1168 ± 1.158
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

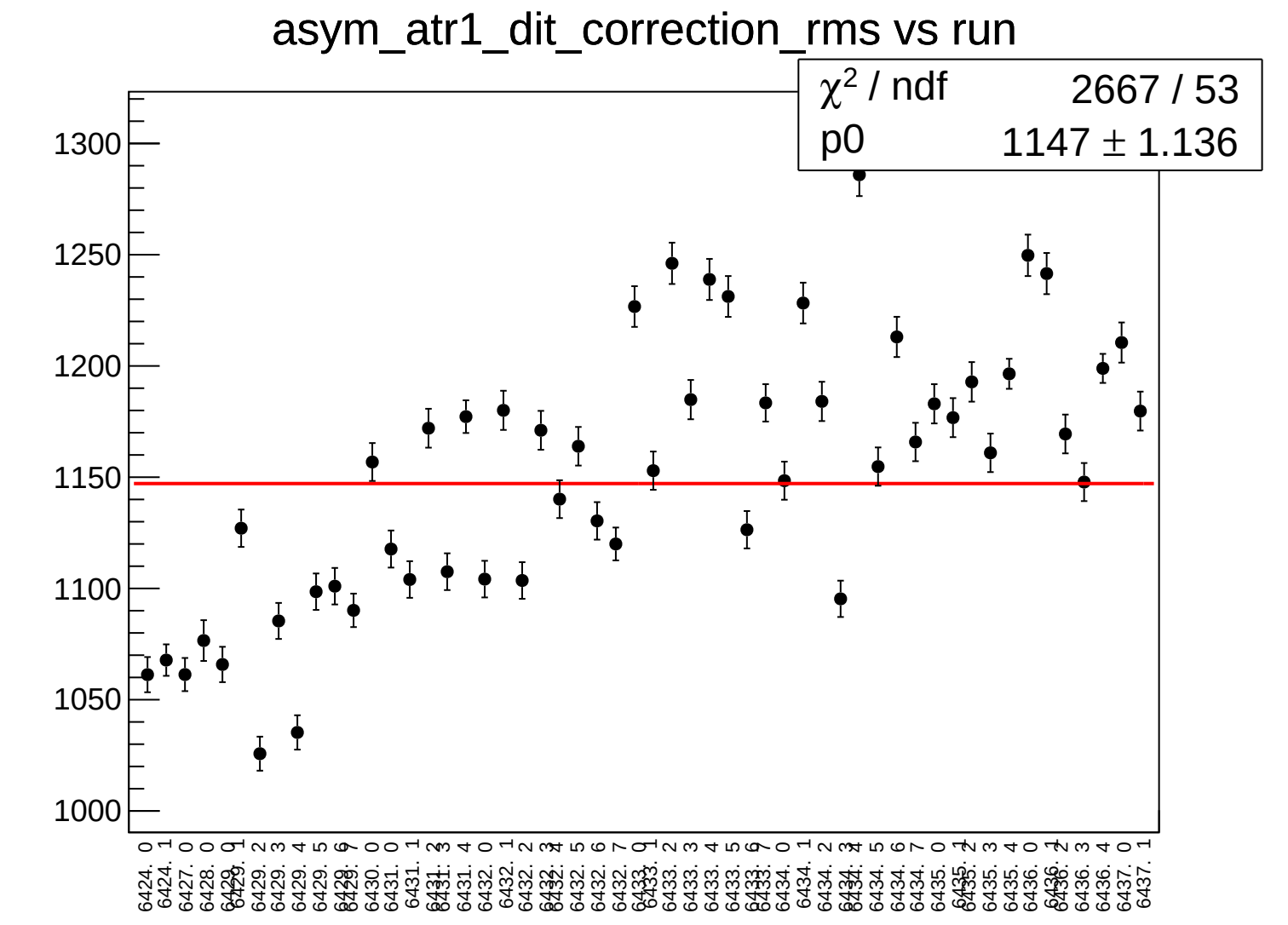

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 54.44 / 53
p0 −6597 ± 3893
100
50
0
−50
−100
pull
Entries 54
Mean 150.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

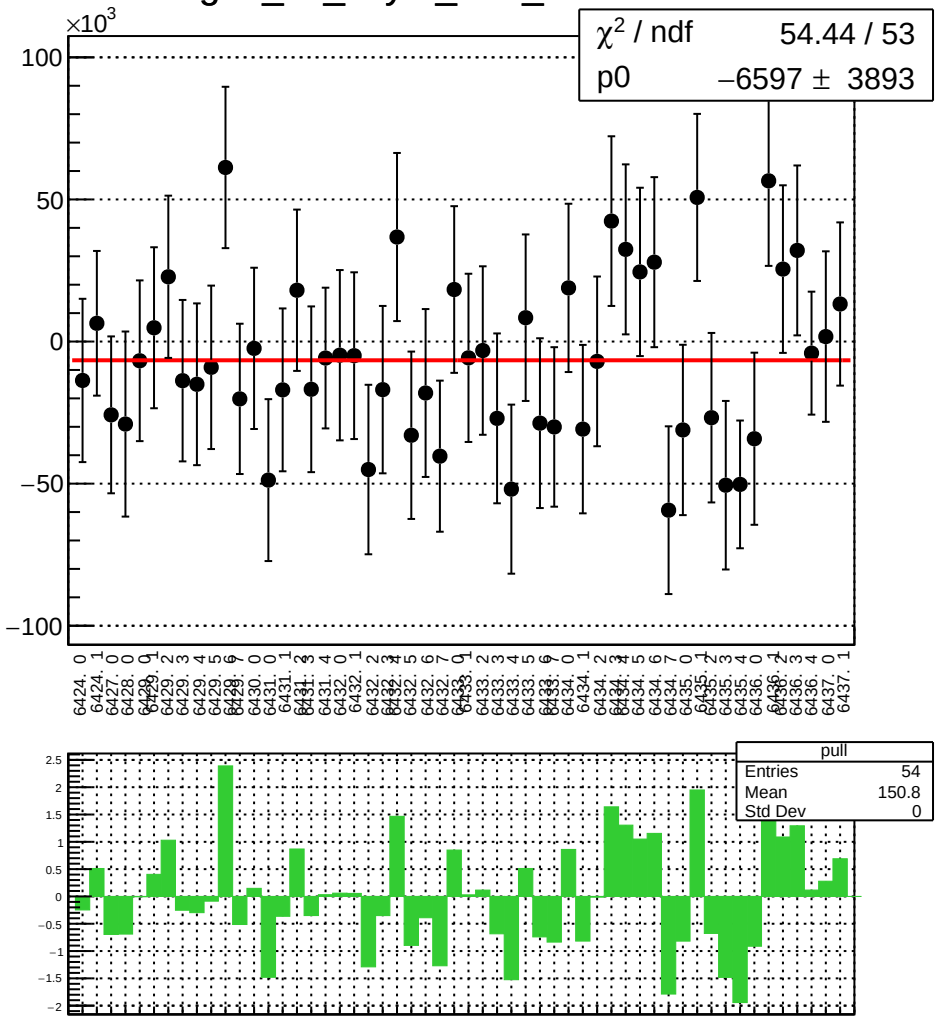

pull1D
Entries 54
Mean 0.01109
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

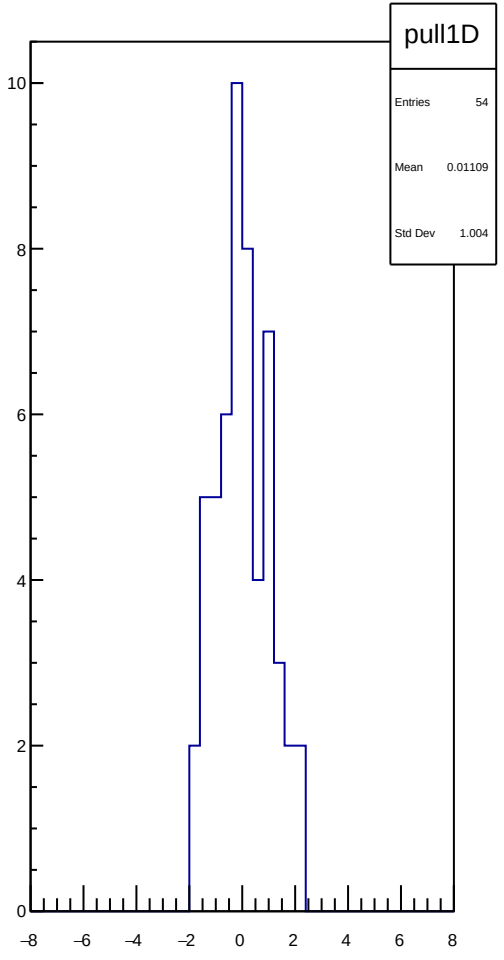

dit_asym_atr1_rms vs run
χ² / ndf 377.9 / 53
p0 2783 ± 2.753
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

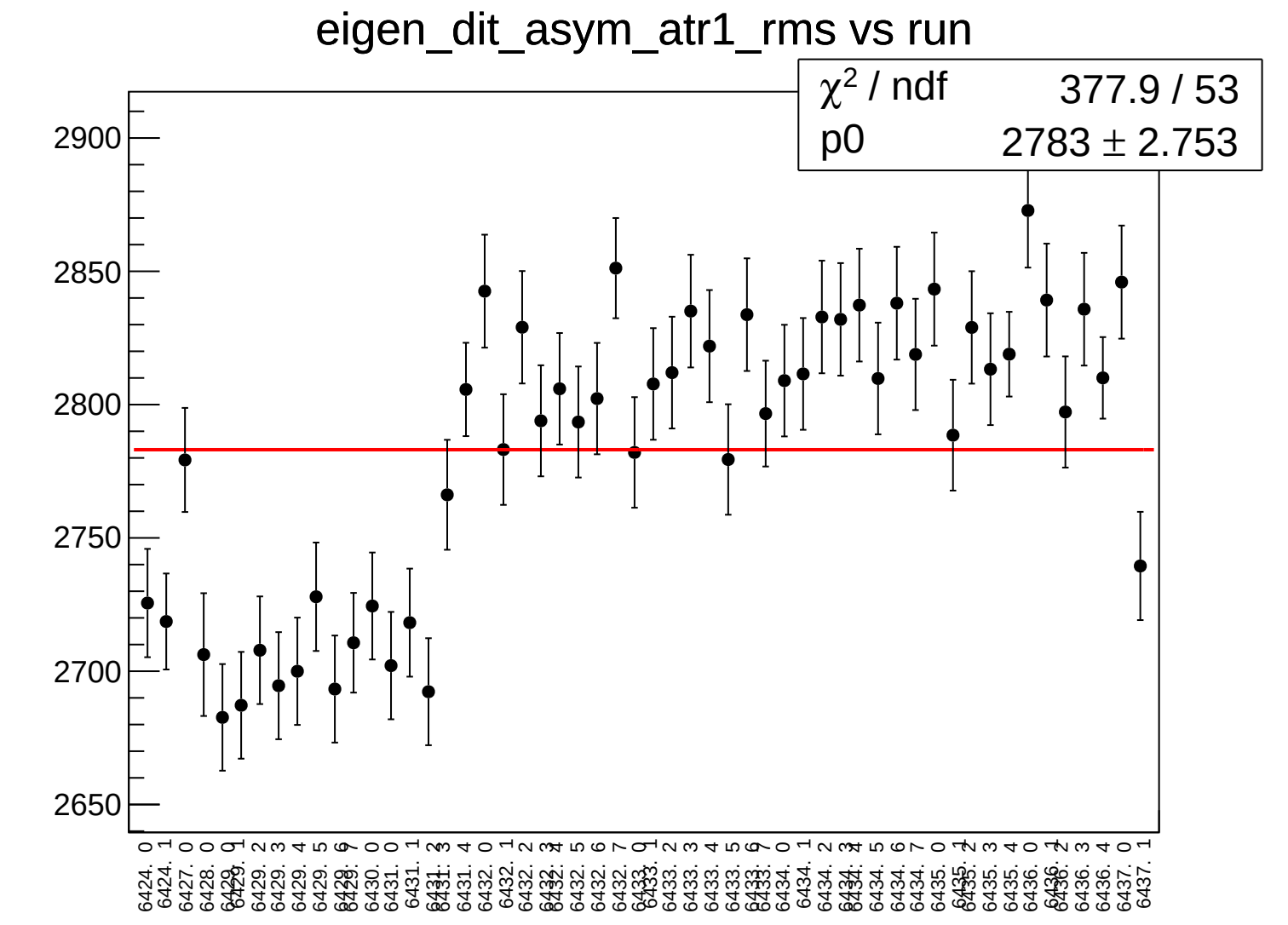

asym_atr1_dit_correction_mean vs run
χ² / ndf 66.51 / 53
p0 150.1 ± 1606
pull
Entries 54
Mean 197.8
Std Dev 0

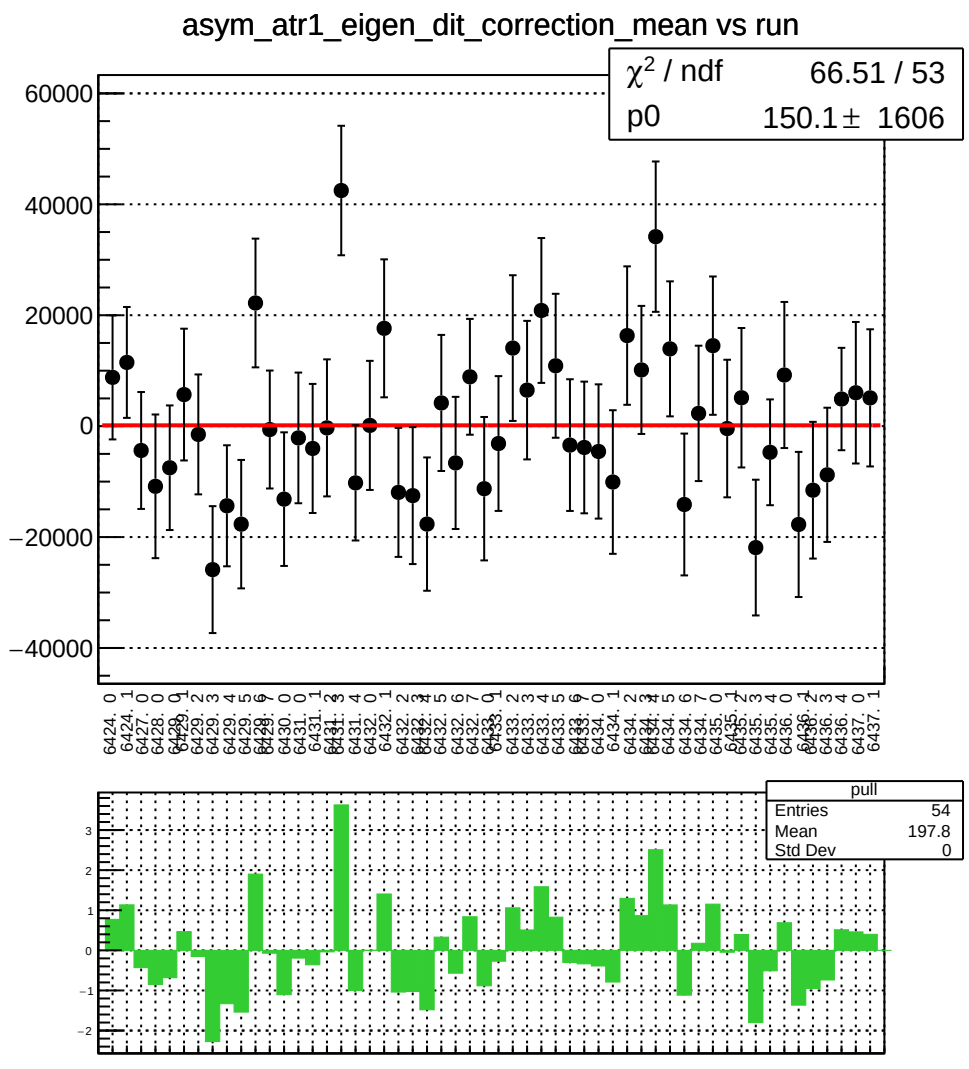

pull1D
Entries 54
Mean 0.007611
Std Dev 1.11

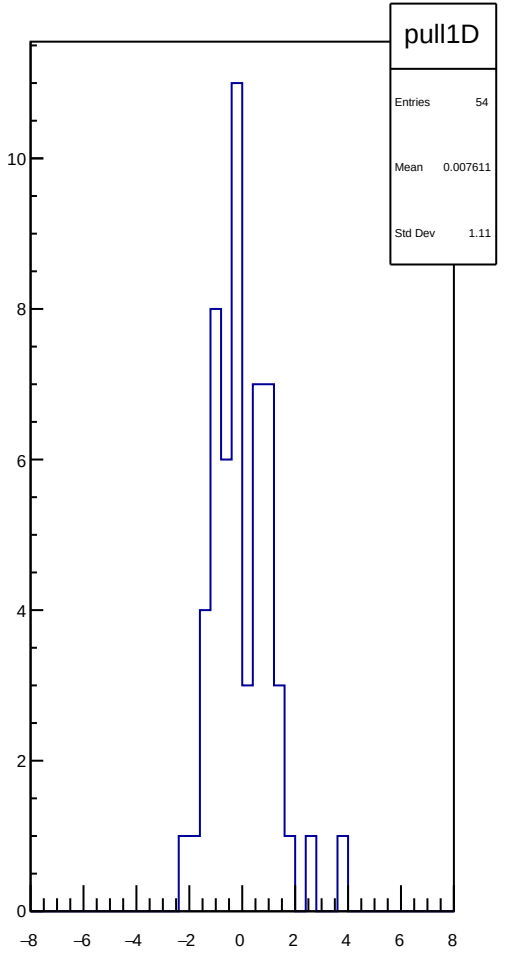

asym_atr1_dit_correction_rms vs run
χ² / ndf 2667 / 53
p0 1147 ± 1.136
1300
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

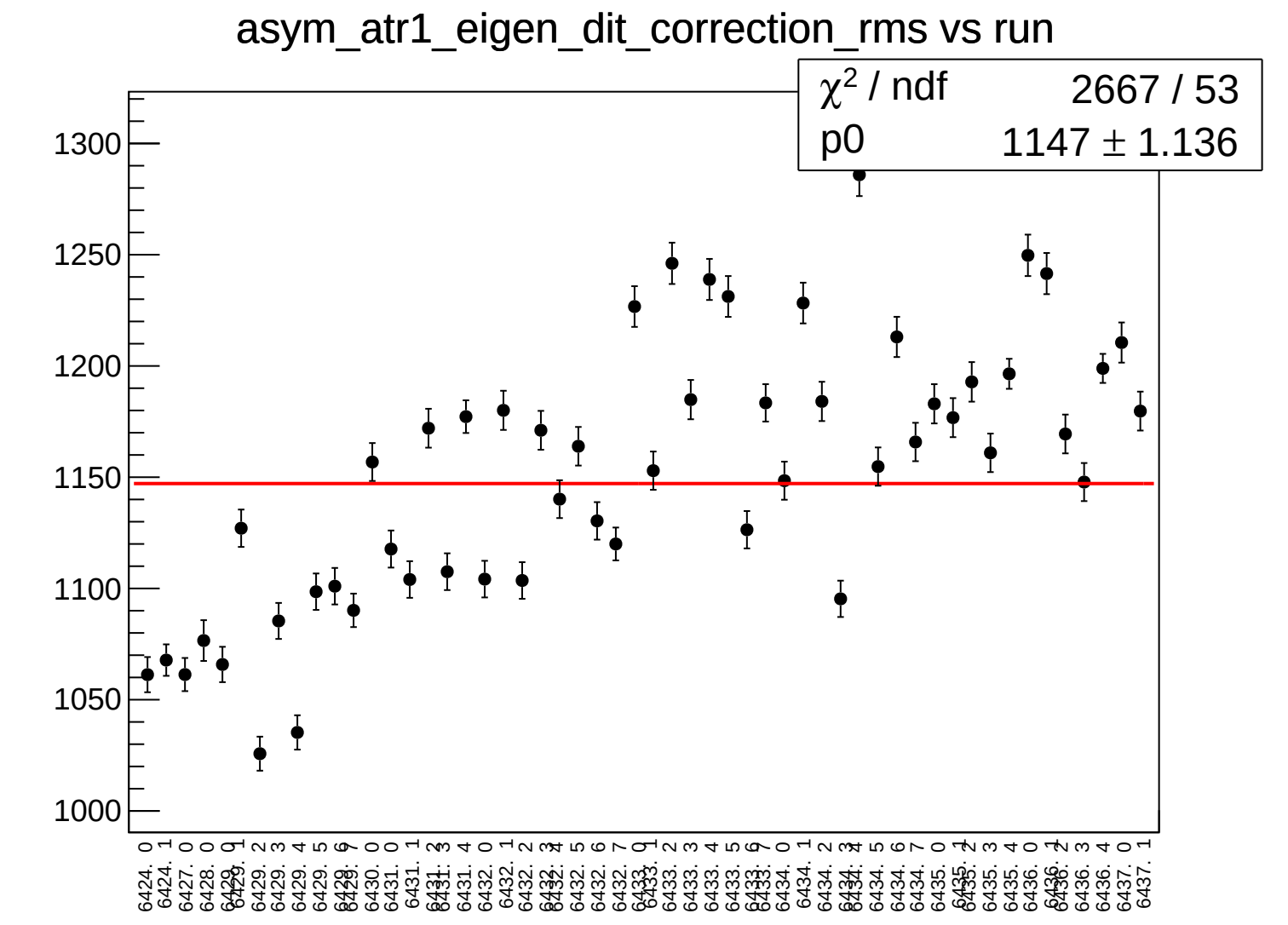

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 54.44 / 53
p0 −6597 ± 3893
100
50
0
−50
−100
pull
Entries 54
Mean 150.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

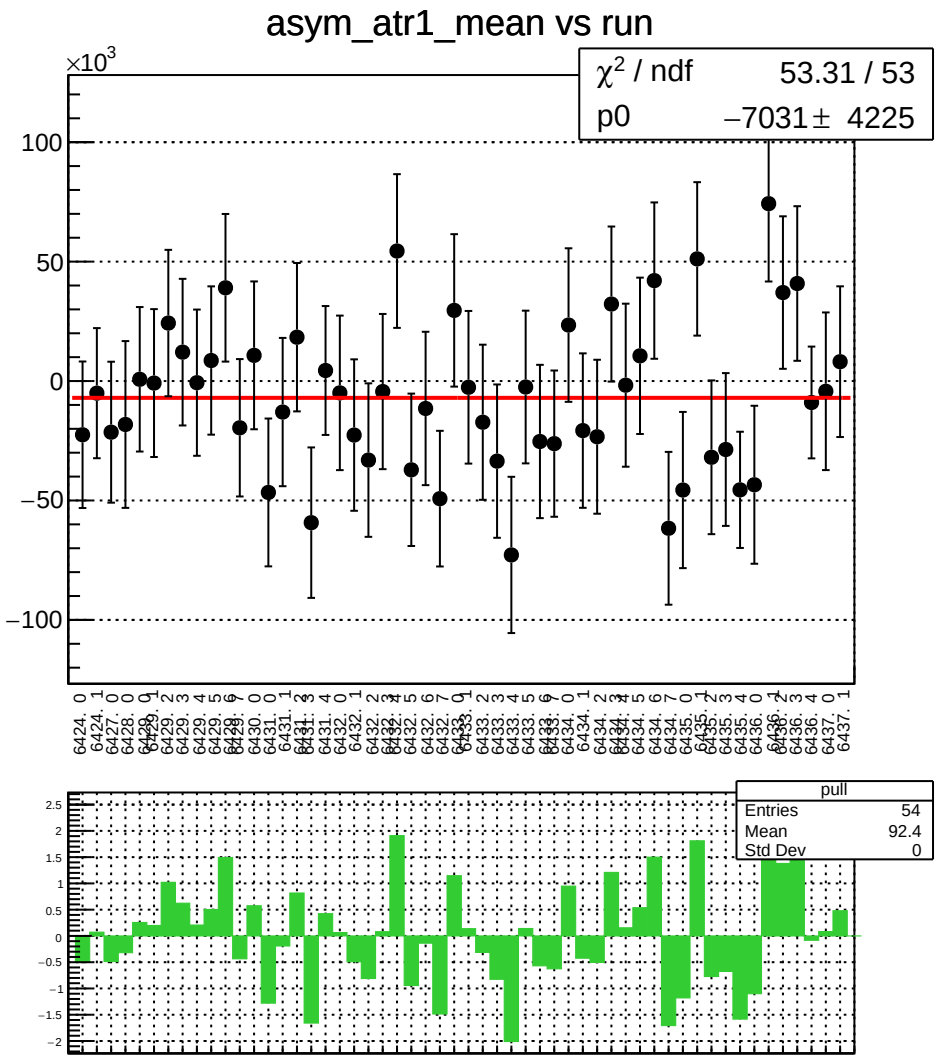

pull1D
Entries 54
Mean 0.01109
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

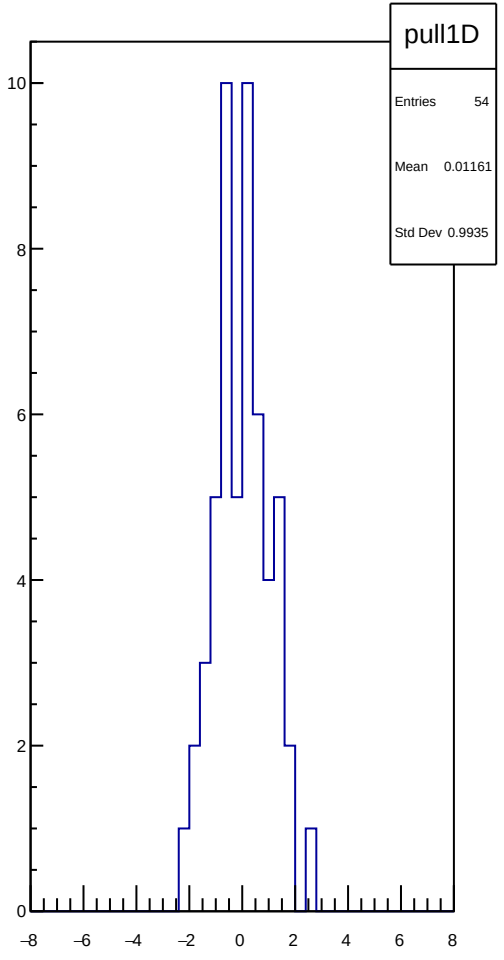

eigen_dit_asym_atr1_rms vs run
χ² / ndf 377.9 / 53
p0 2783 ± 2.753
2900
2850
2800
2750
2700
2650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

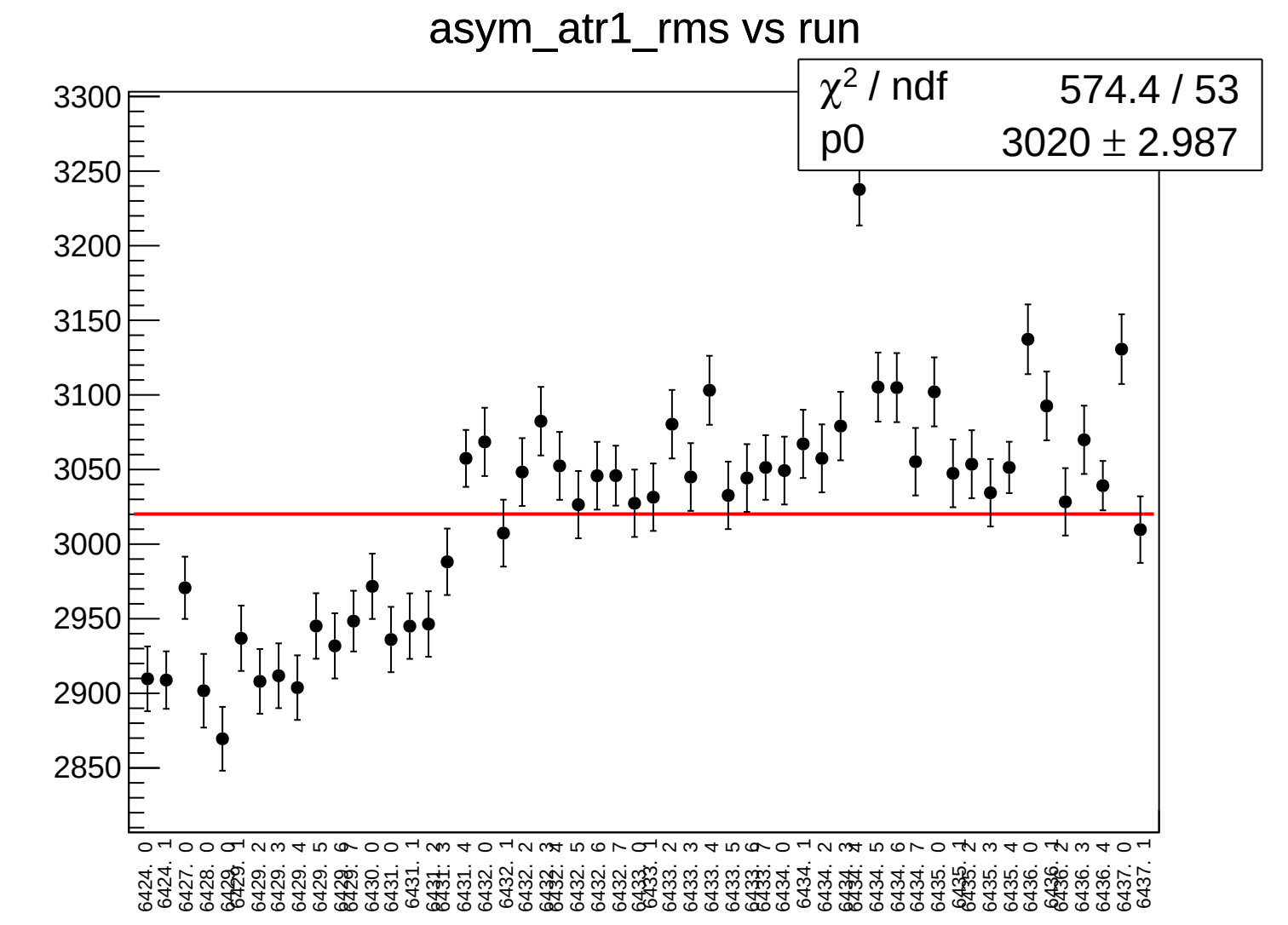

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 66.51 / 53
p0 150.1 ± 1606
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 197.8
Std Dev 0
3
2
1
0
−1
−2

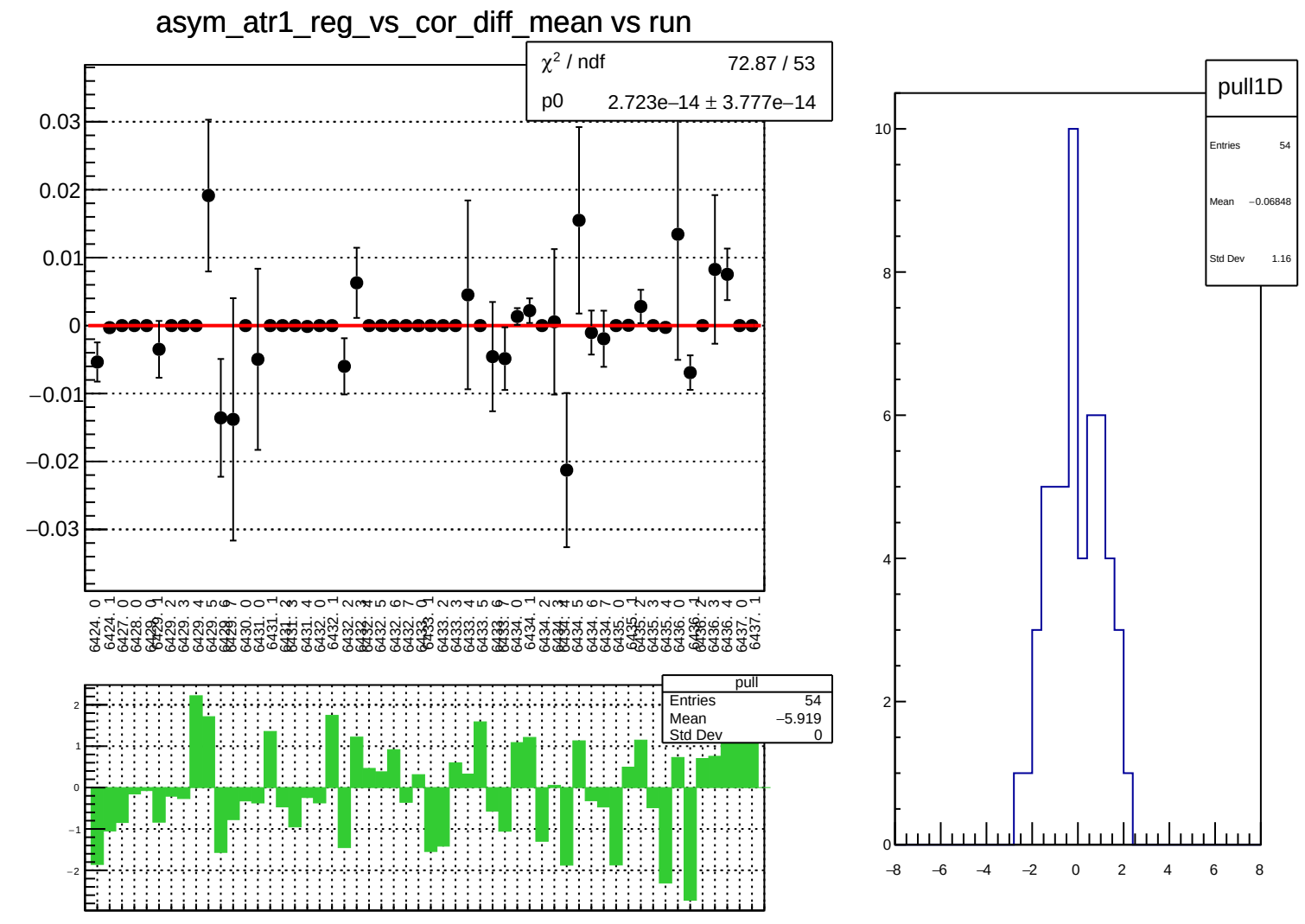

pull1D
Entries 54
Mean 0.007611
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

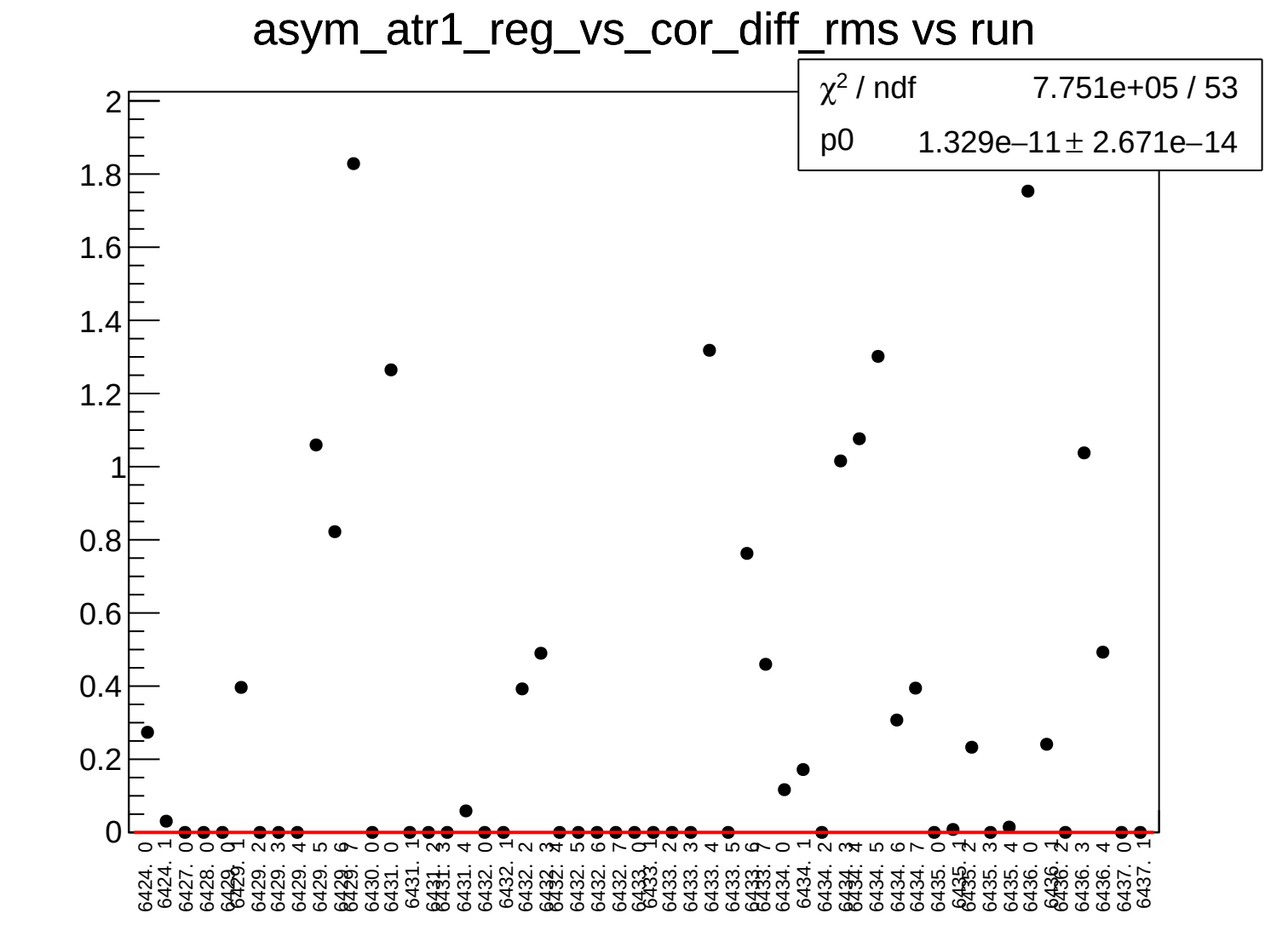

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 2667 / 53
p0 1147 ± 1.136
1300
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

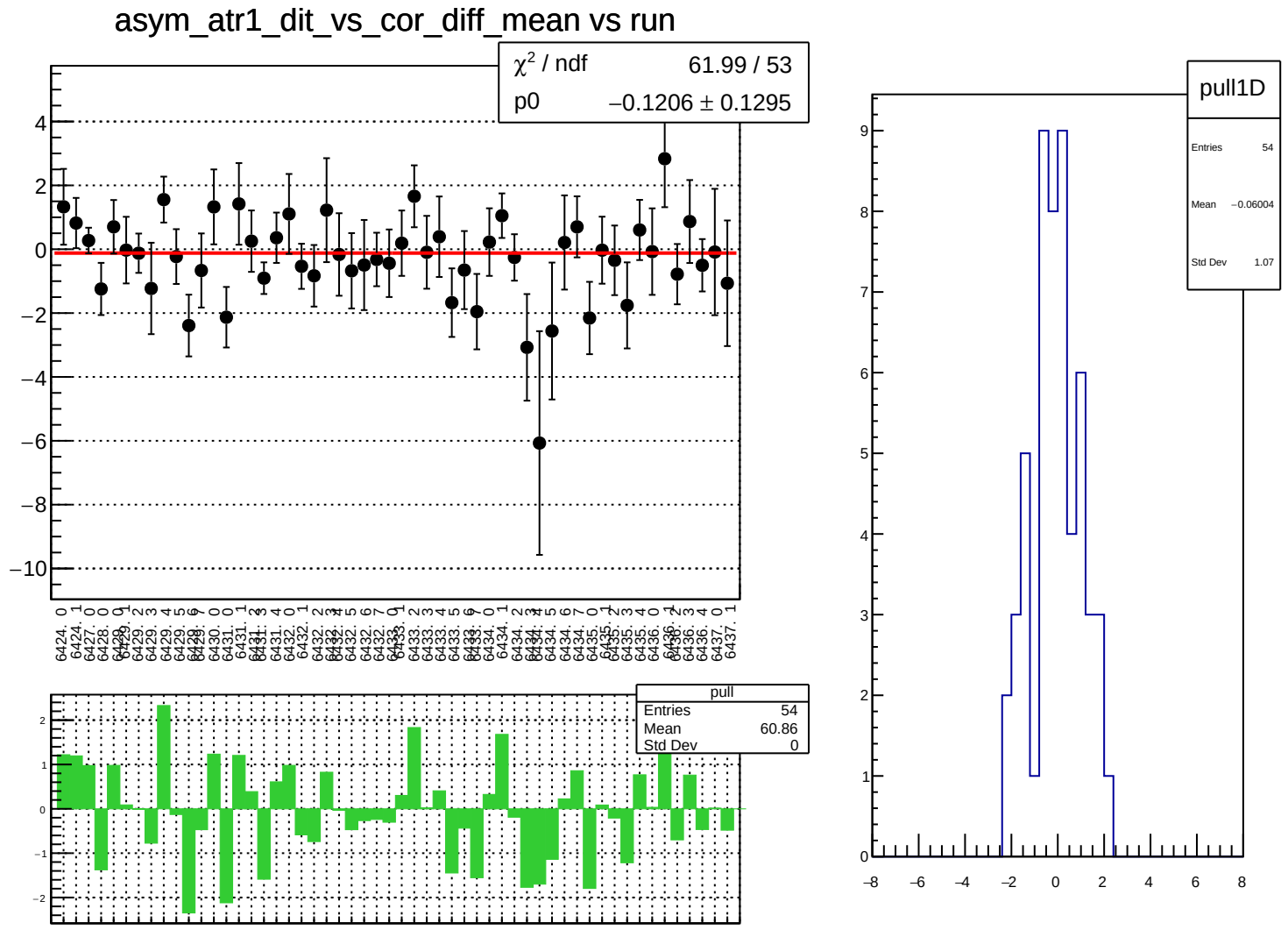

asym_atr1_mean vs run
×10^3
χ² / ndf 53.31 / 53
p0 −7031 ± 4225
100
50
0
−50
−100
pull
Entries 54
Mean 92.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

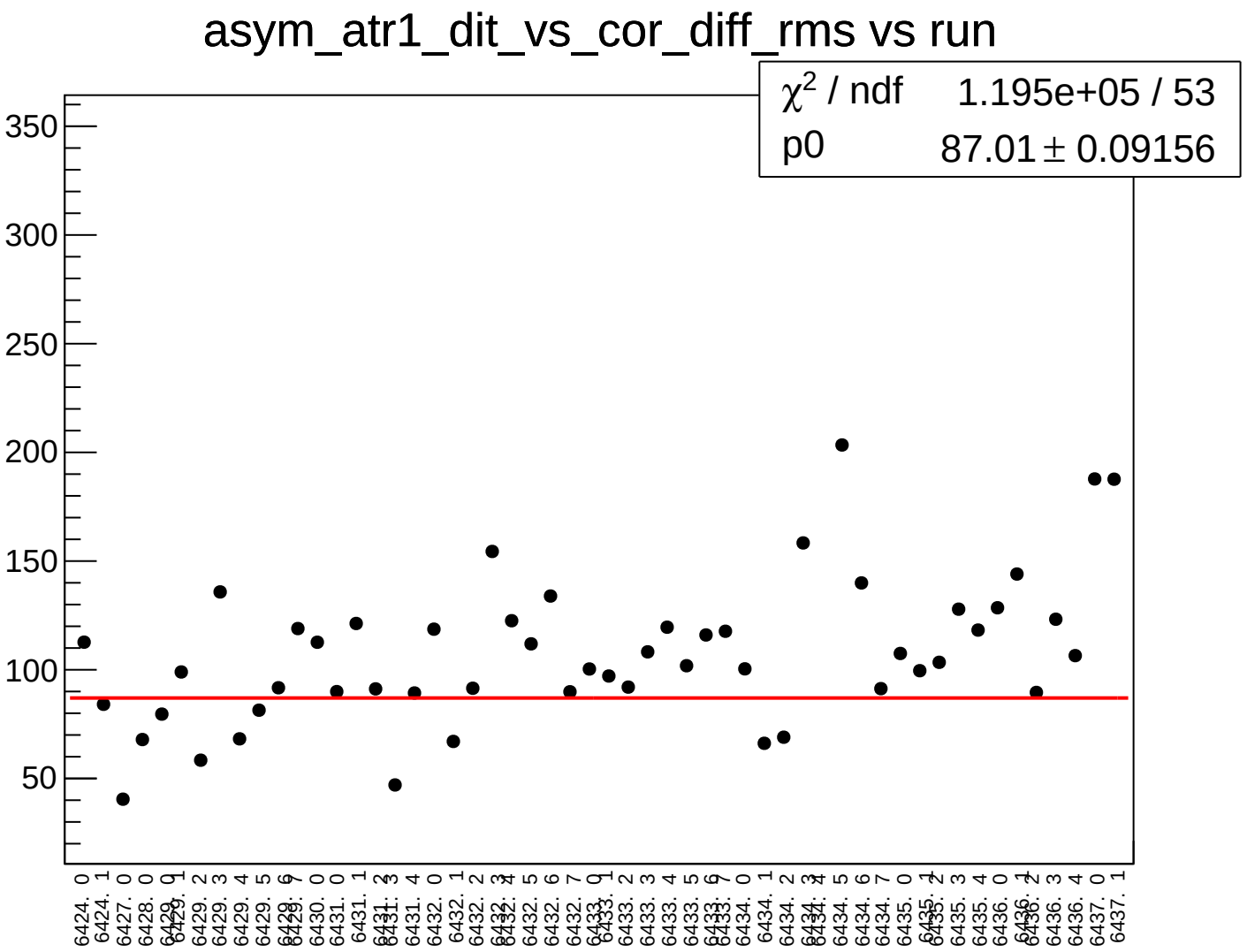

pull1D
Entries 54
Mean 0.01161
Std Dev 0.9935
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

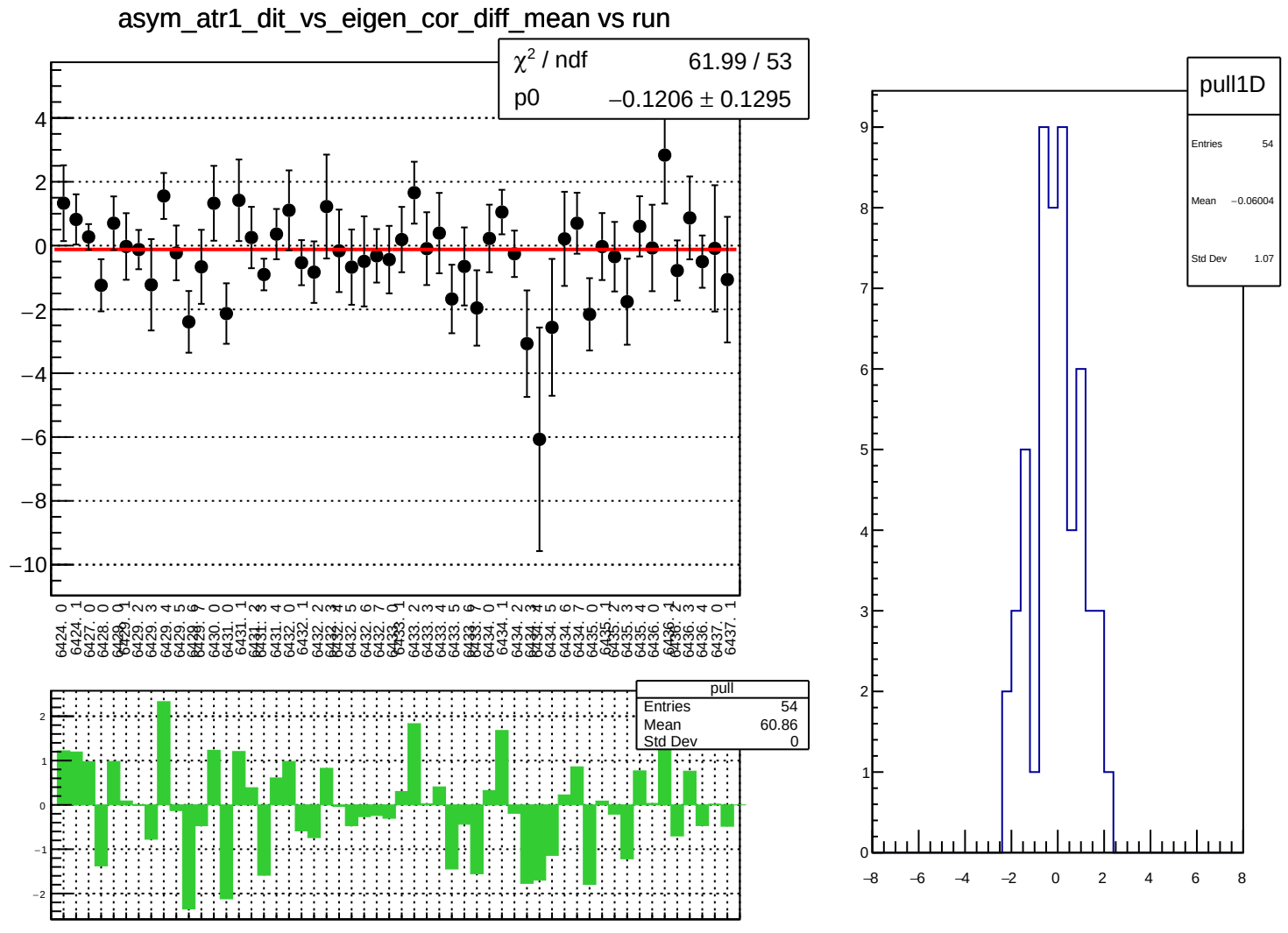

asym_atr1_rms vs run
χ² / ndf 574.4 / 53
p0 3020 ± 2.987
3300
3250
3200
3150
3100
3050
3000
2950
2900
2850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

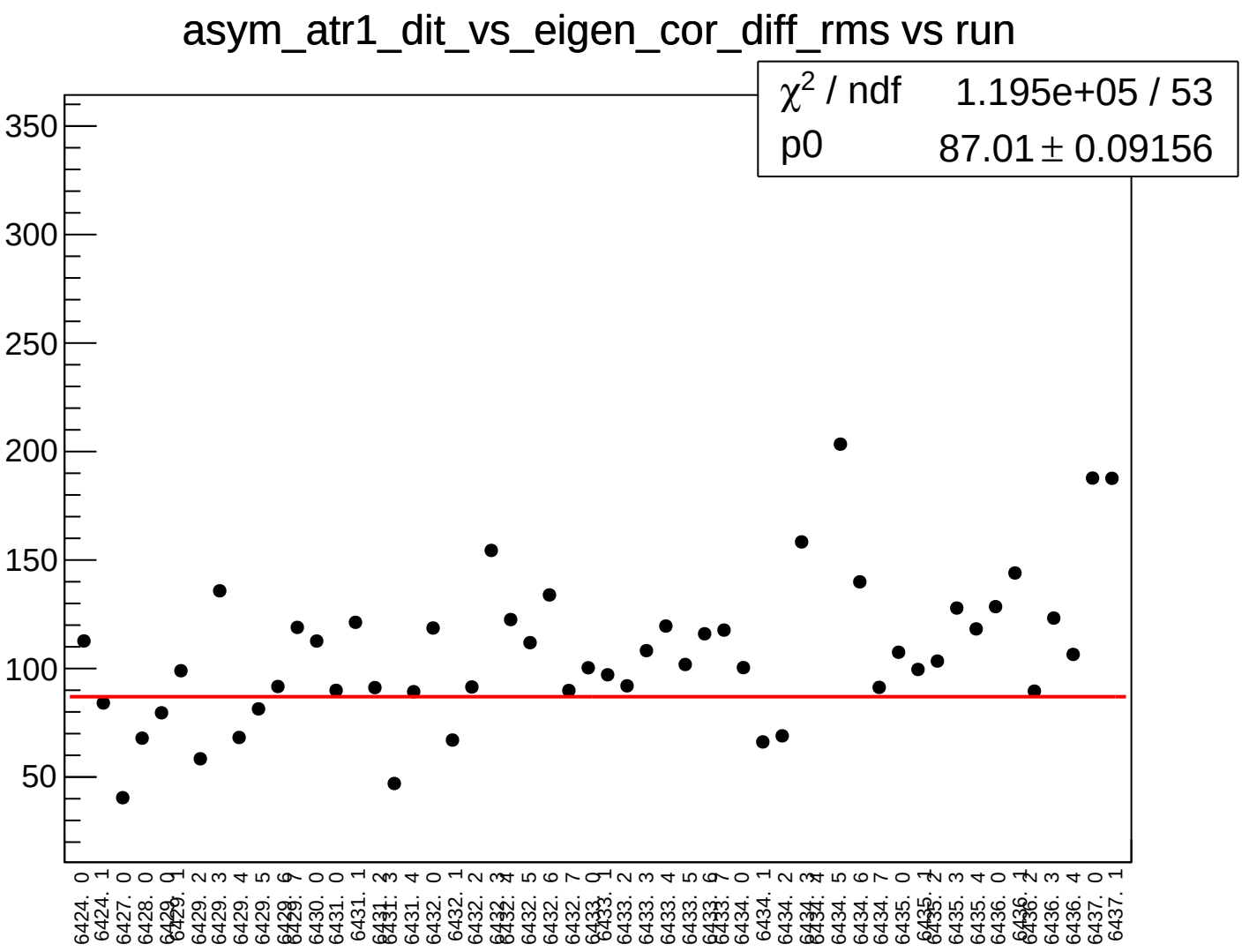

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 72.87 / 53
p0 2.723e−14 ± 3.777e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean −5.919
Std Dev 0
pull1D
Entries 54
Mean −0.06848
Std Dev 1.16

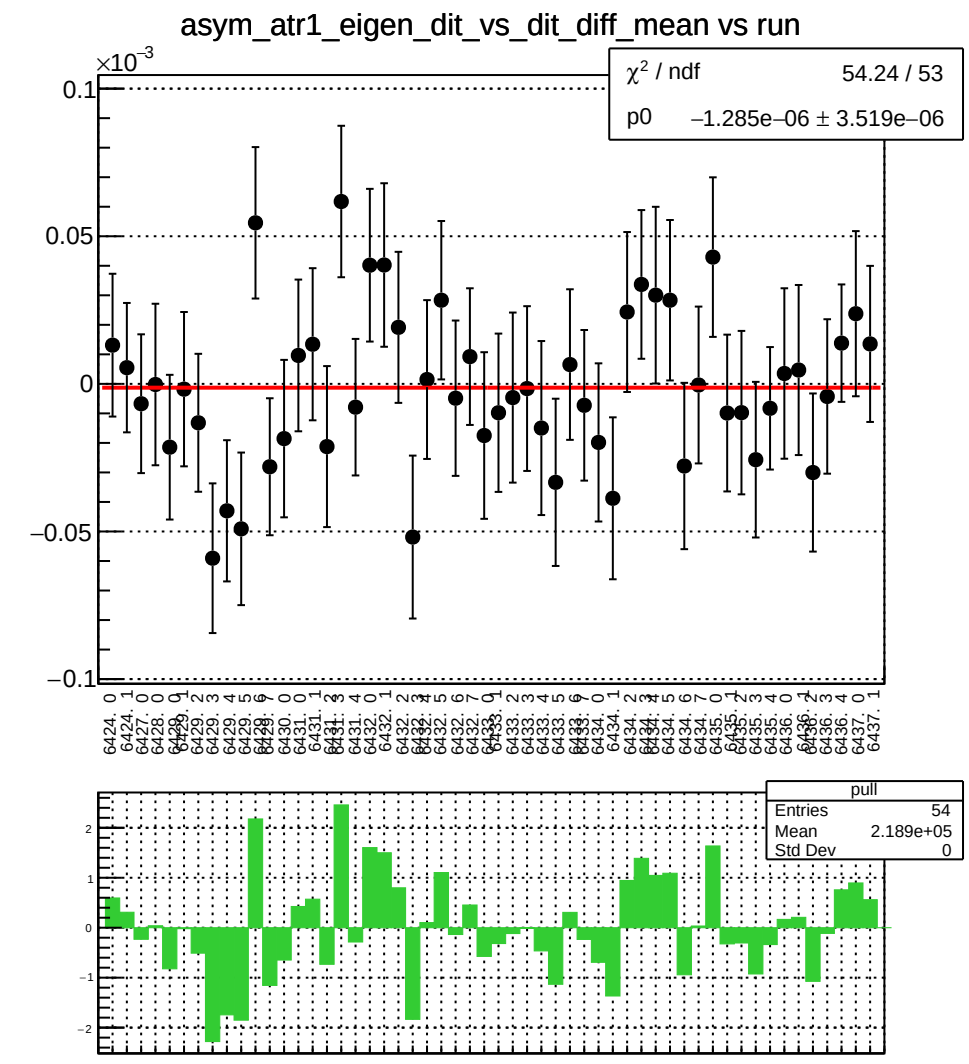

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.751e+05 / 53
p0 1.329e−11 ± 2.671e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

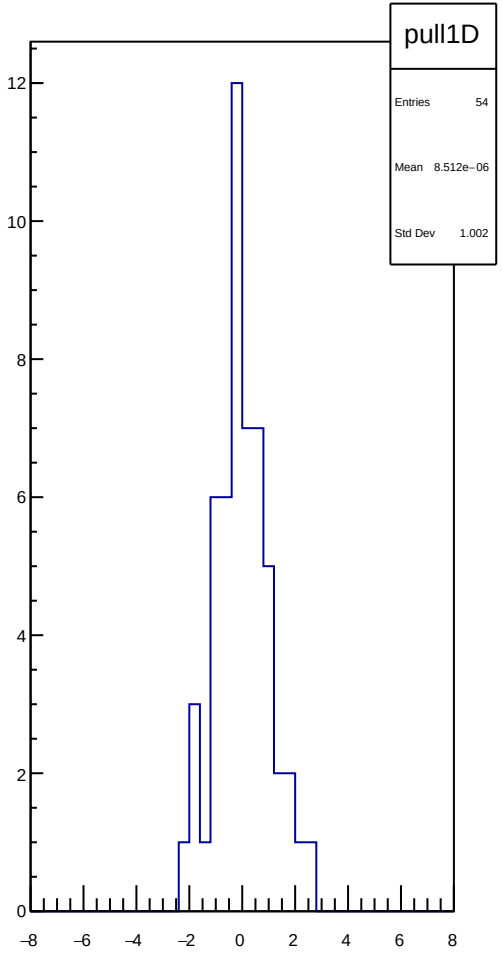

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 61.99 / 53
p0 −0.1206 ± 0.1295
pull
Entries 54
Mean 60.86
Std Dev 0
pull1D
Entries 54
Mean −0.06004
Std Dev 1.07

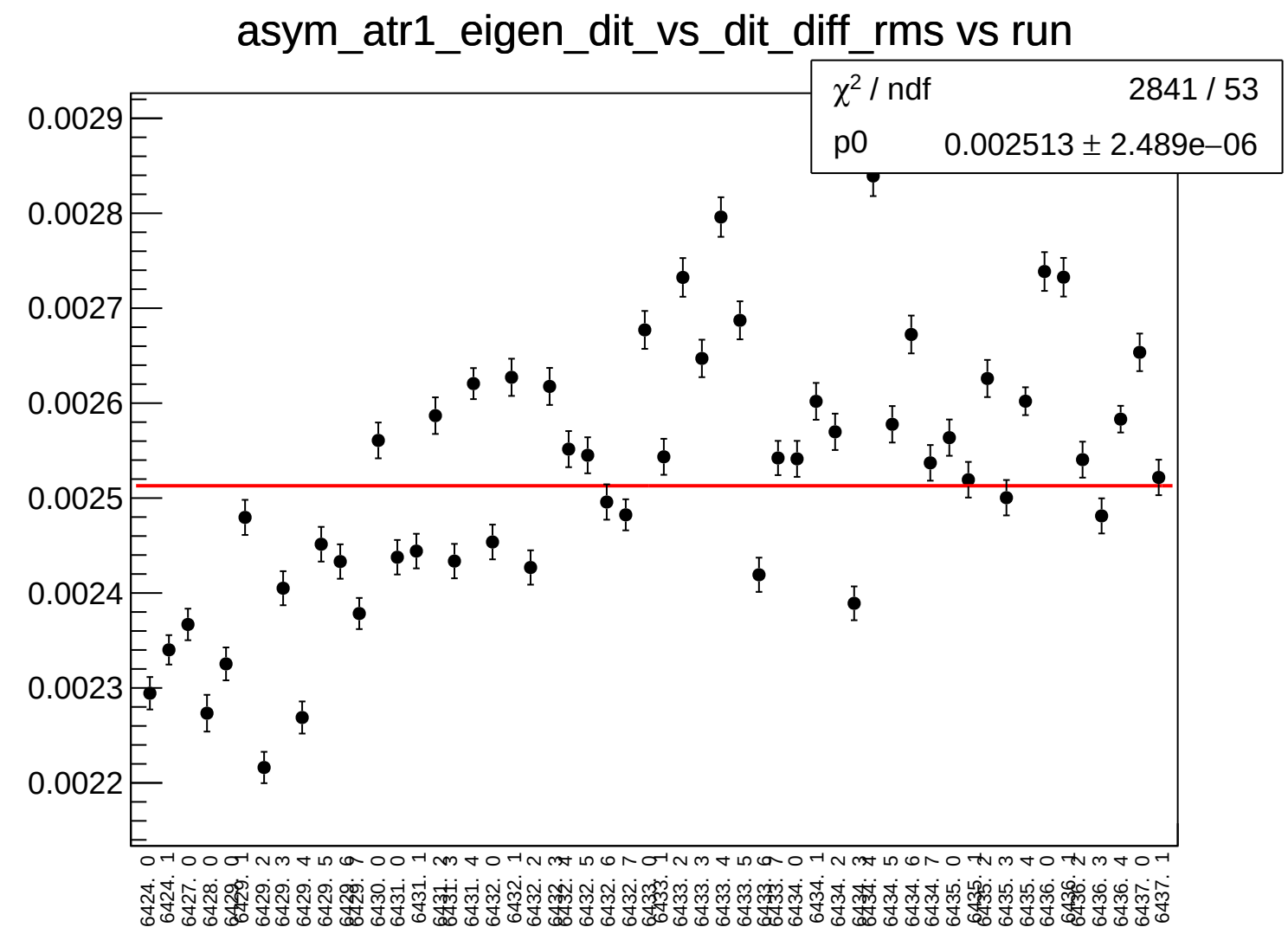

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 53
p0 87.01 ± 0.09156
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

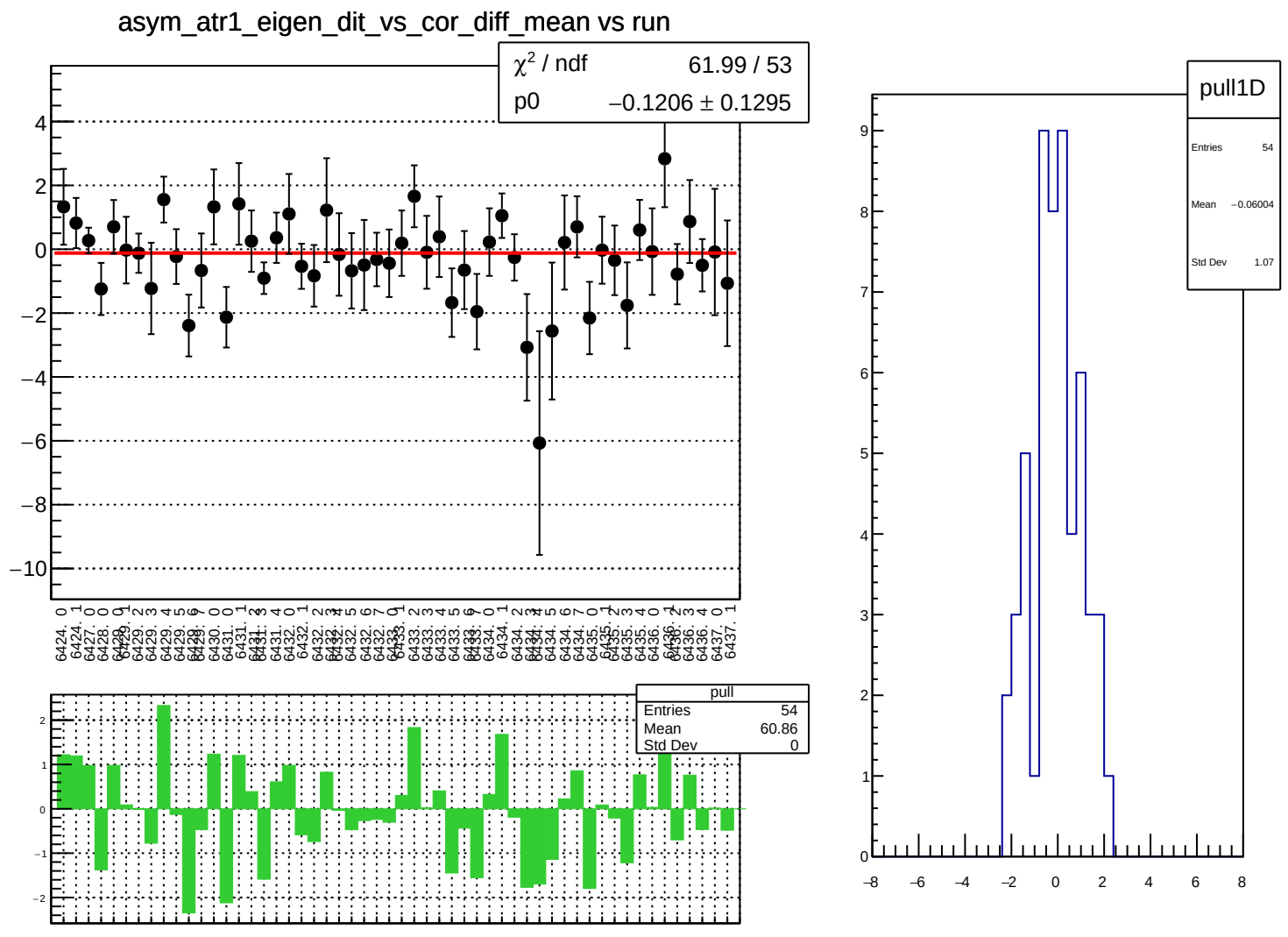

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.99 / 53
p0 −0.1206 ± 0.1295
pull
Entries 54
Mean 60.86
Std Dev 0
pull1D
Entries 54
Mean −0.06004
Std Dev 1.07

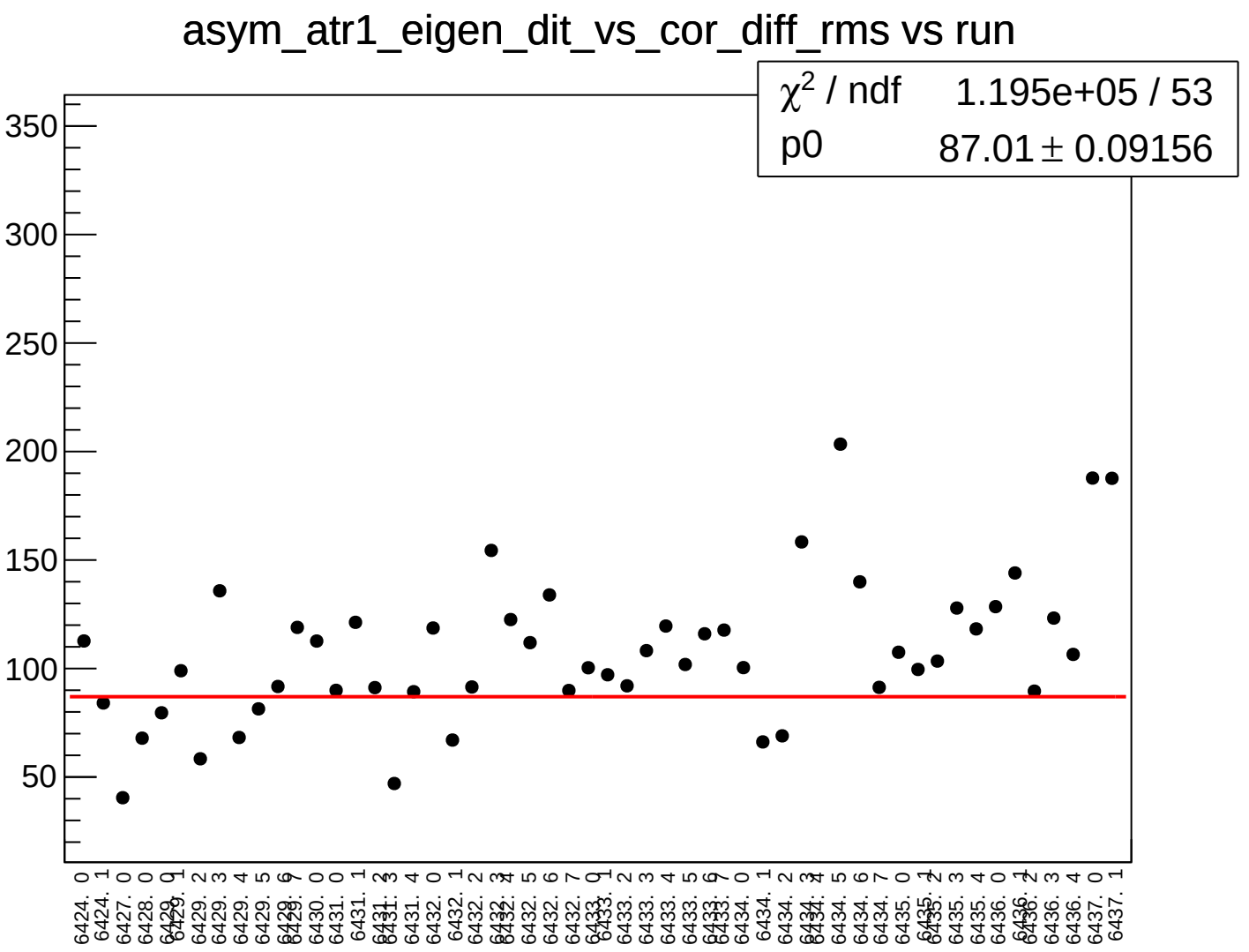

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.195e+05 / 53
p0 87.01 ± 0.09156
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

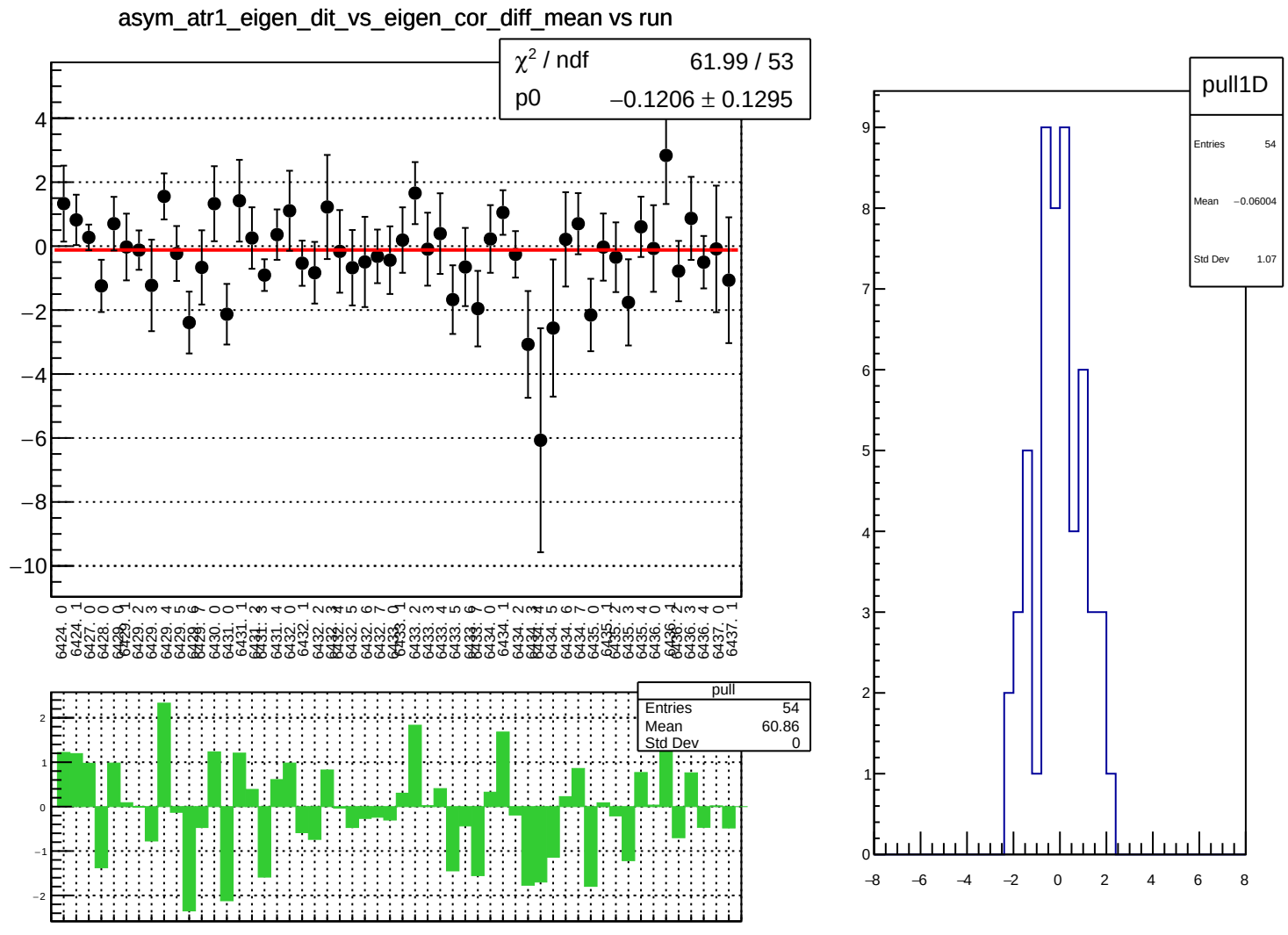

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.24 / 53
p0 −1.285e−06 ± 3.519e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 2.189e+05
Std Dev 0
2
1
0
−1
−2

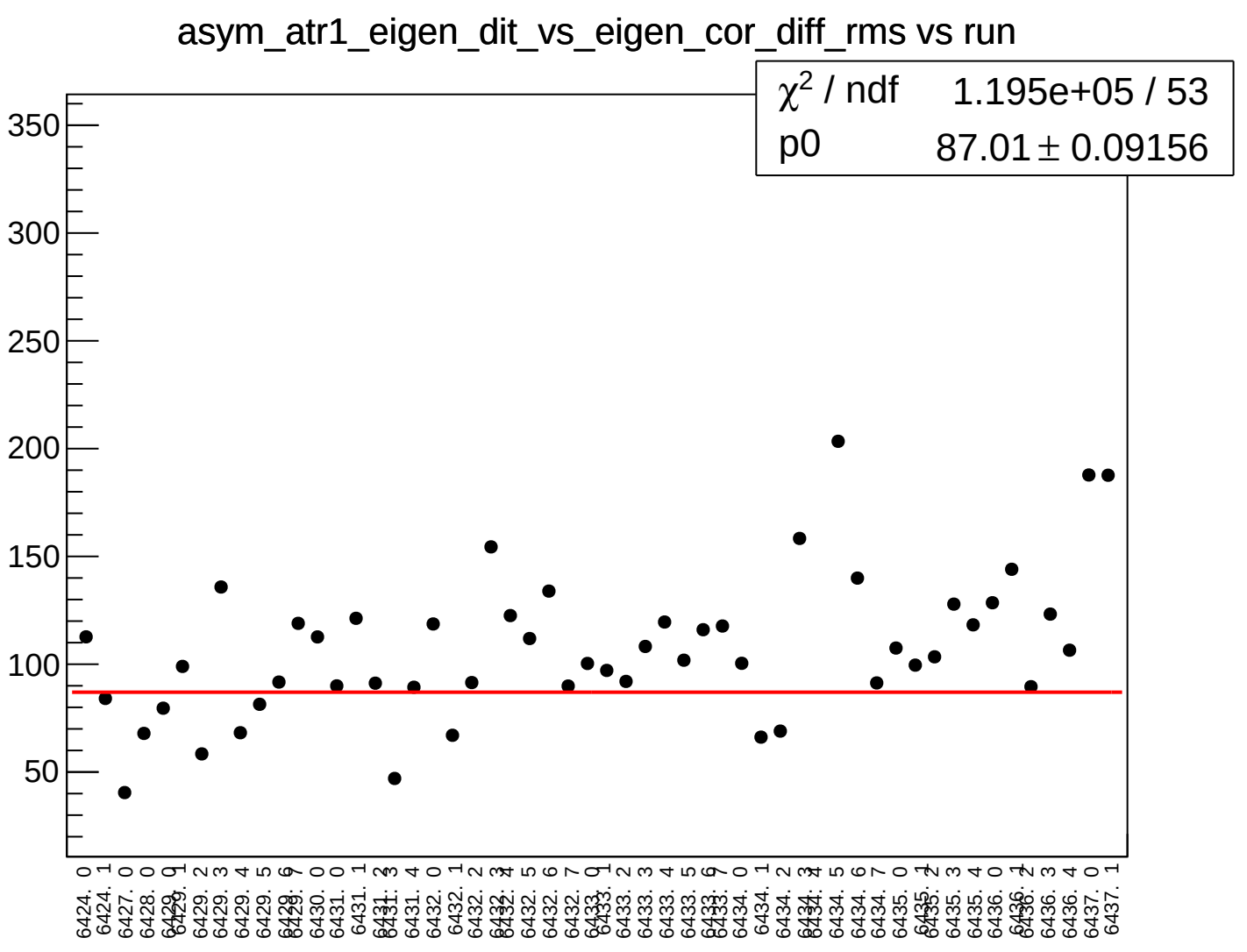

pull1D
Entries 54
Mean 8.512e−06
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

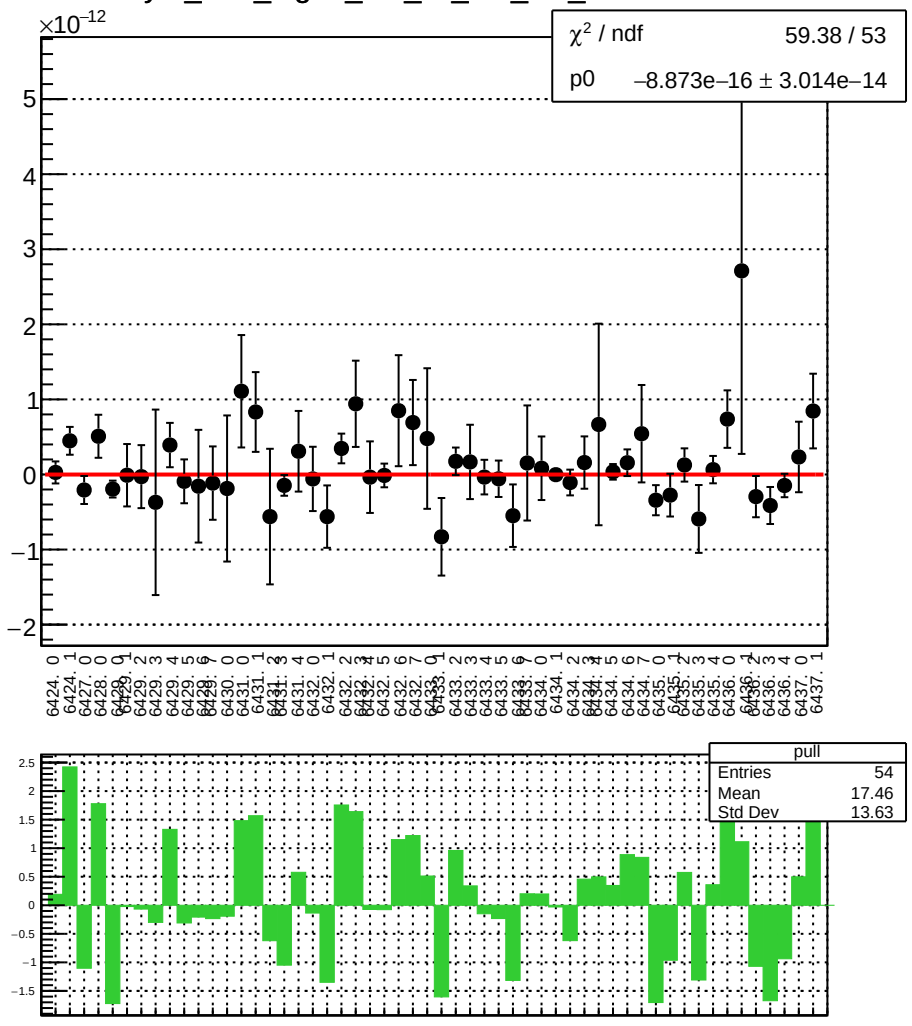

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2841 / 53
p0 0.002513 ± 2.489e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

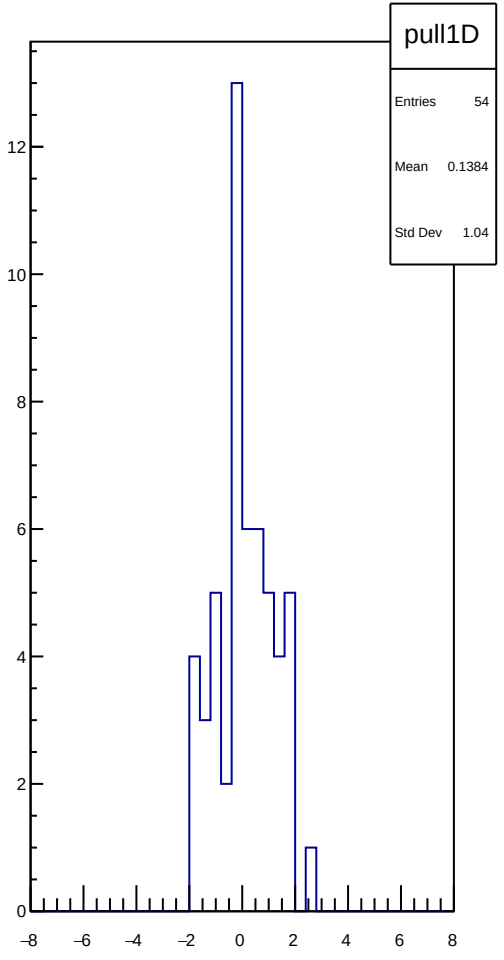

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.99 / 53
p0 −0.1206 ± 0.1295
pull
Entries 54
Mean 60.86
Std Dev 0
pull1D
Entries 54
Mean −0.06004
Std Dev 1.07

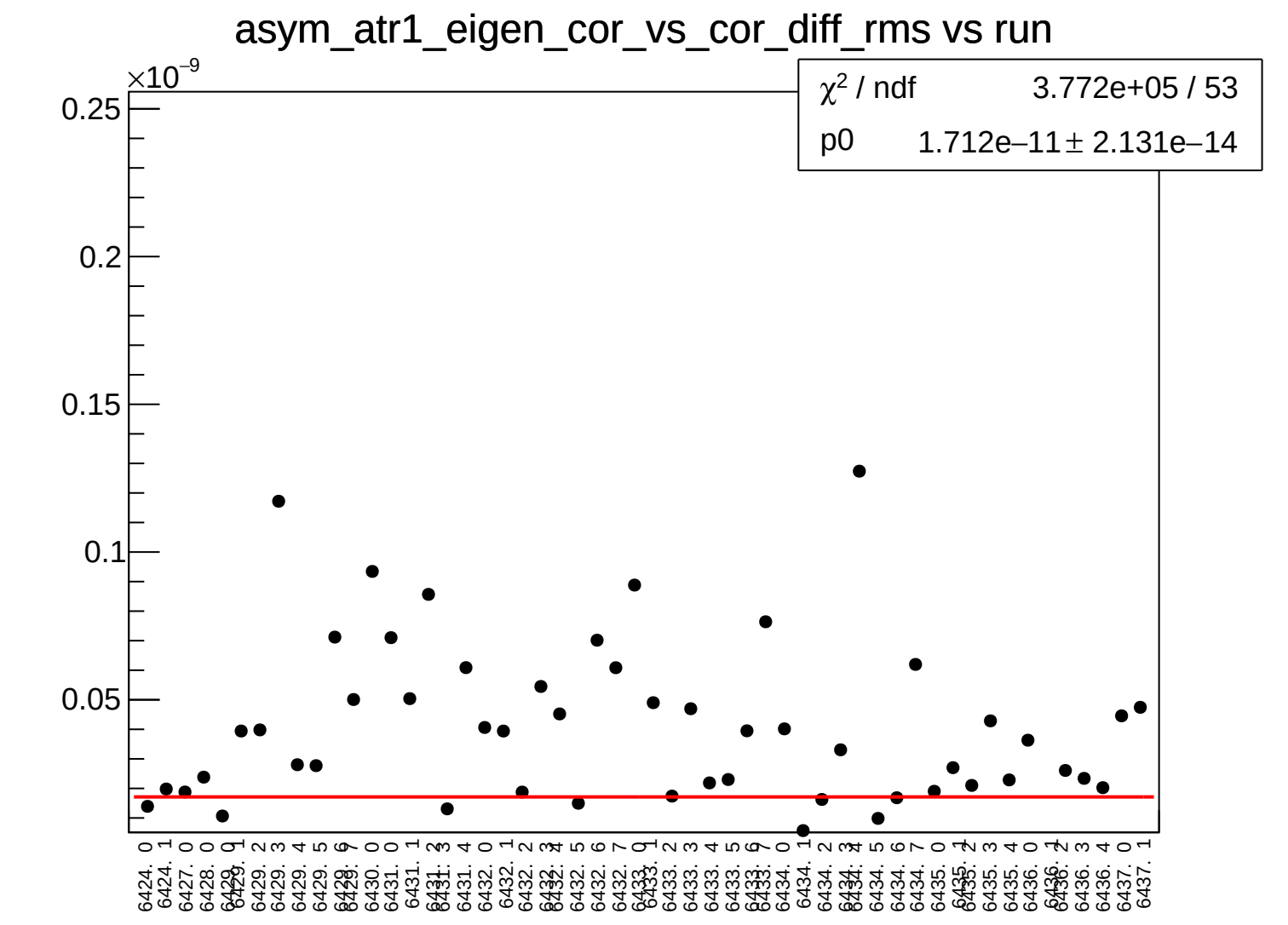

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.195e+05 / 53
p0 87.01 ± 0.09156
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

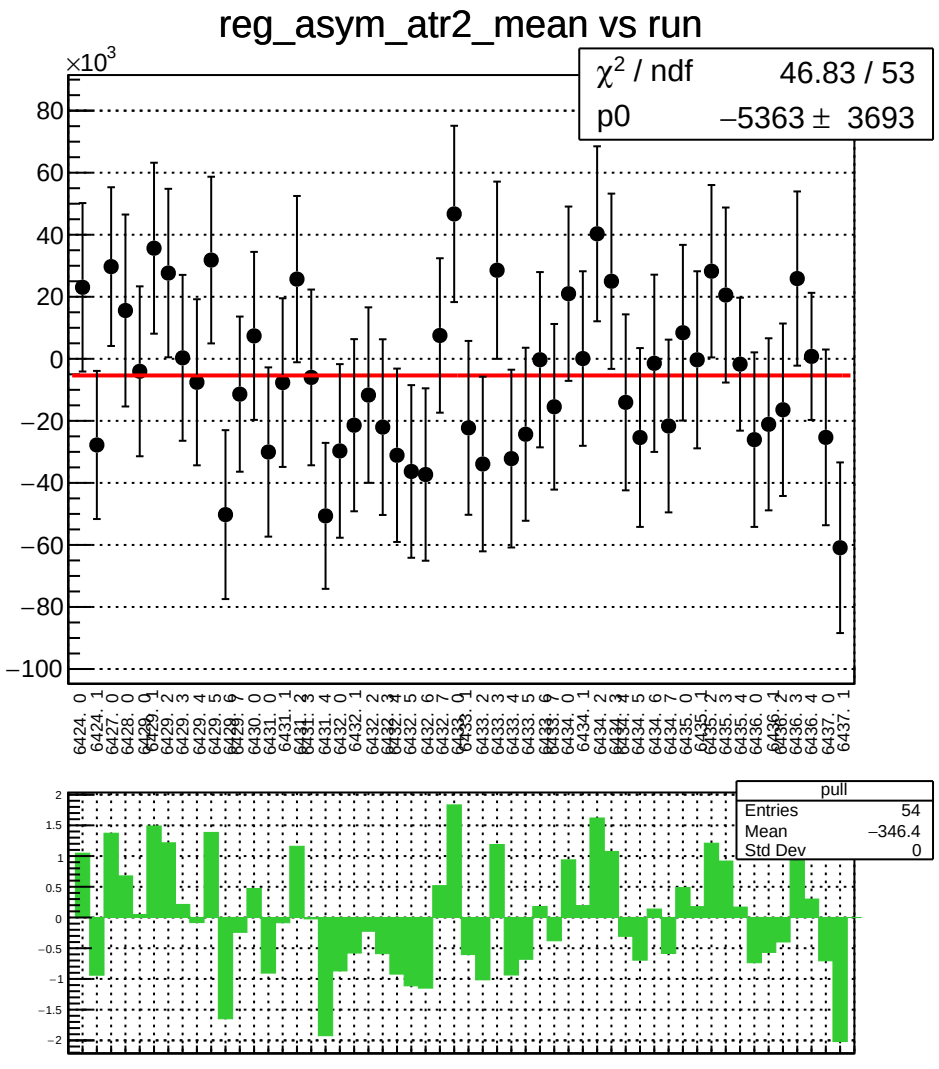

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.99 / 53
p0 −0.1206 ± 0.1295
pull
Entries 54
Mean 60.86
Std Dev 0
pull1D
Entries 54
Mean −0.06004
Std Dev 1.07

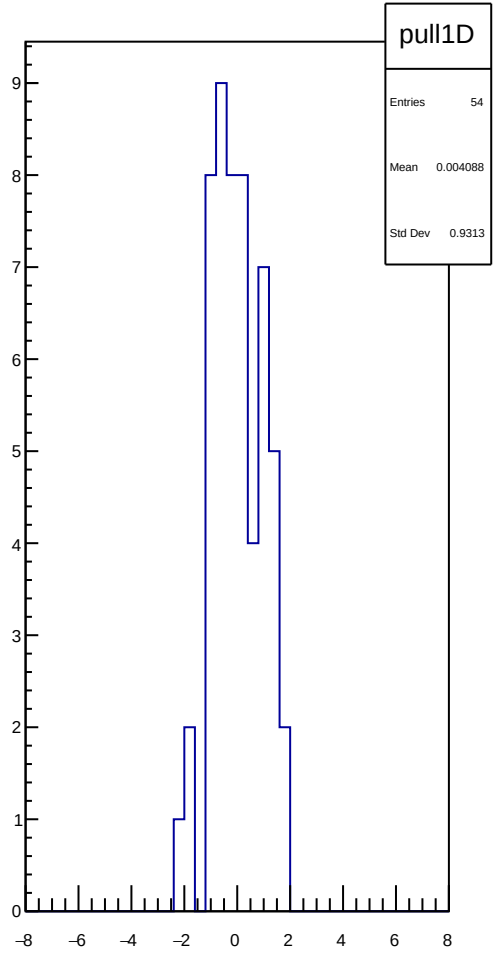

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 53
p0 87.01 ± 0.09156
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

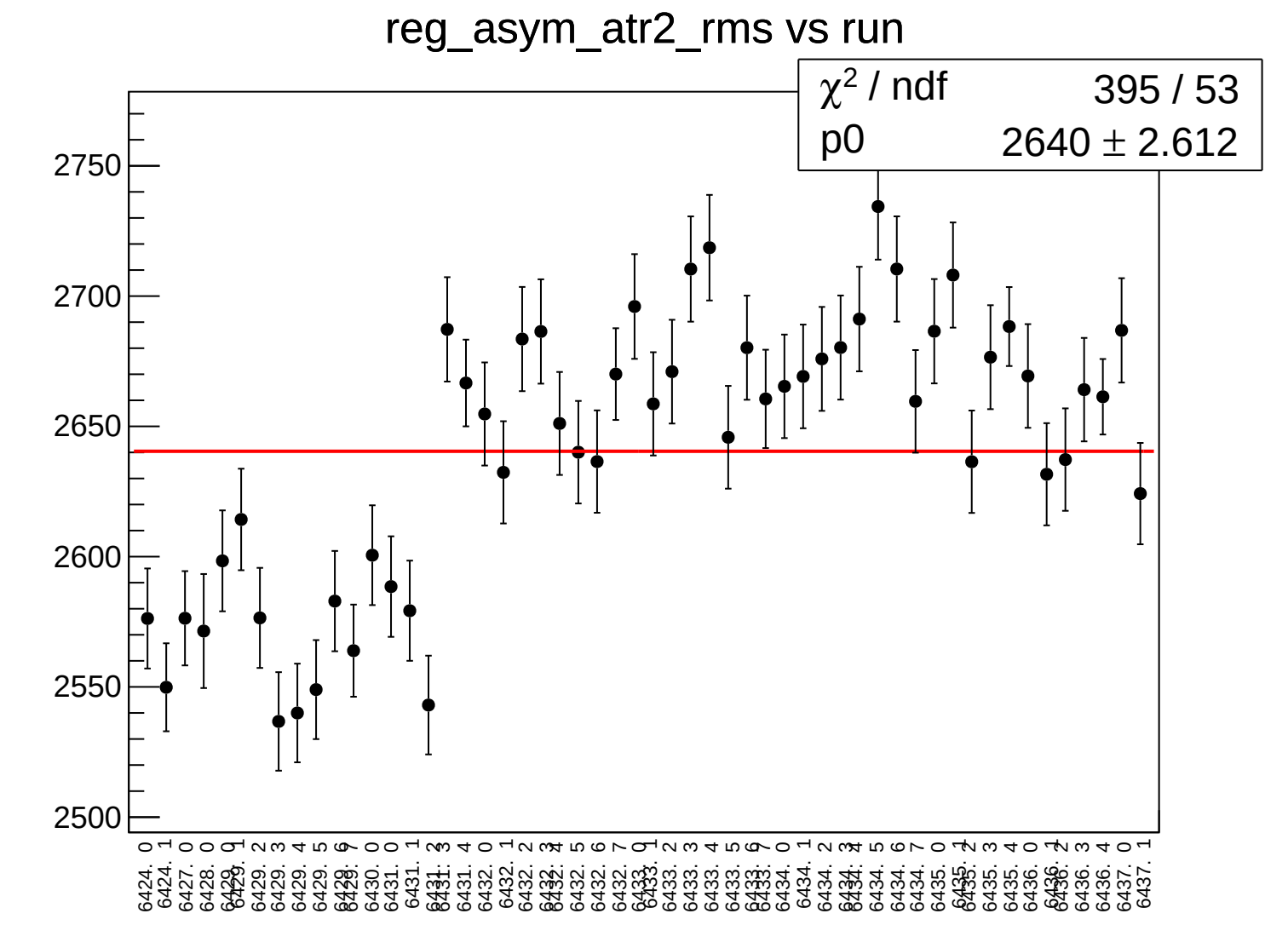

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.38 / 53
p0 −8.873e−16 ± 3.014e−14
pull
Entries 54
Mean 17.46
Std Dev 13.63

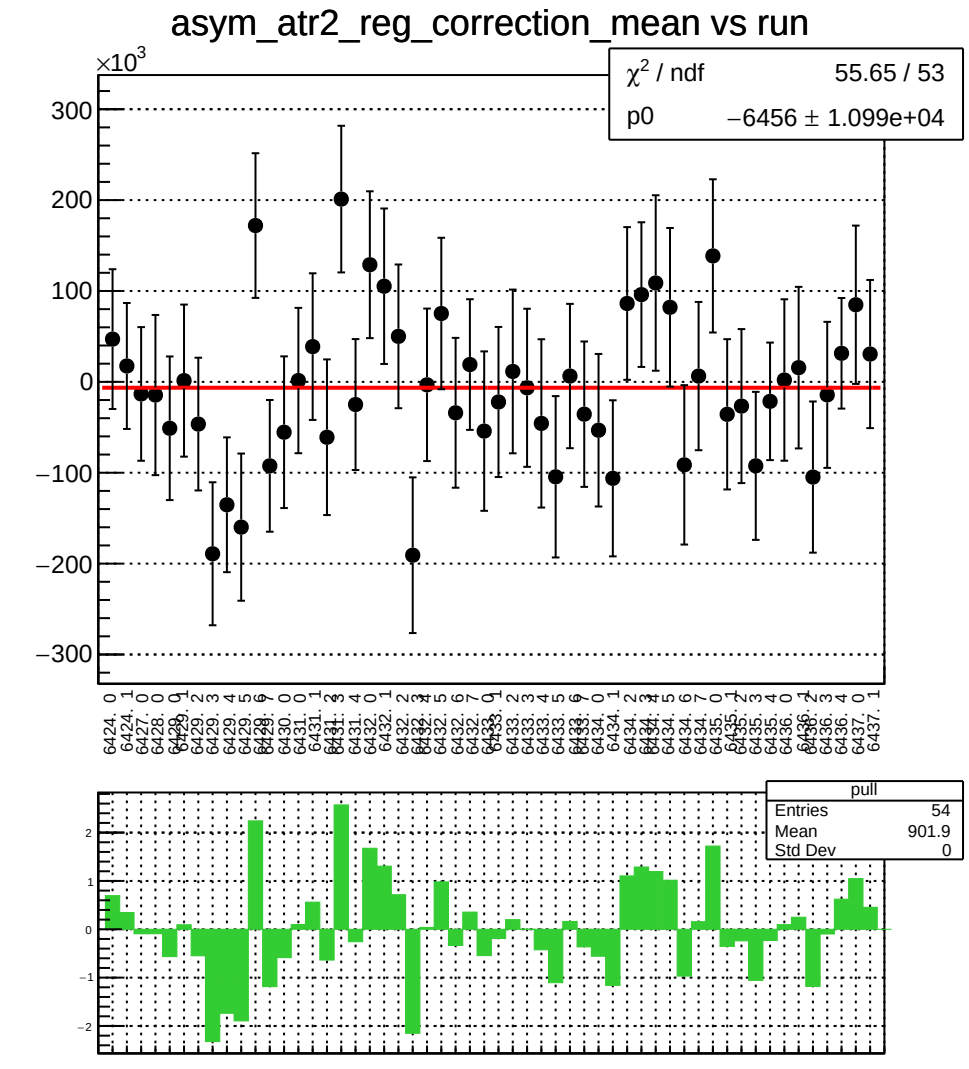

pull1D
Entries 54
Mean 0.1384
Std Dev 1.04

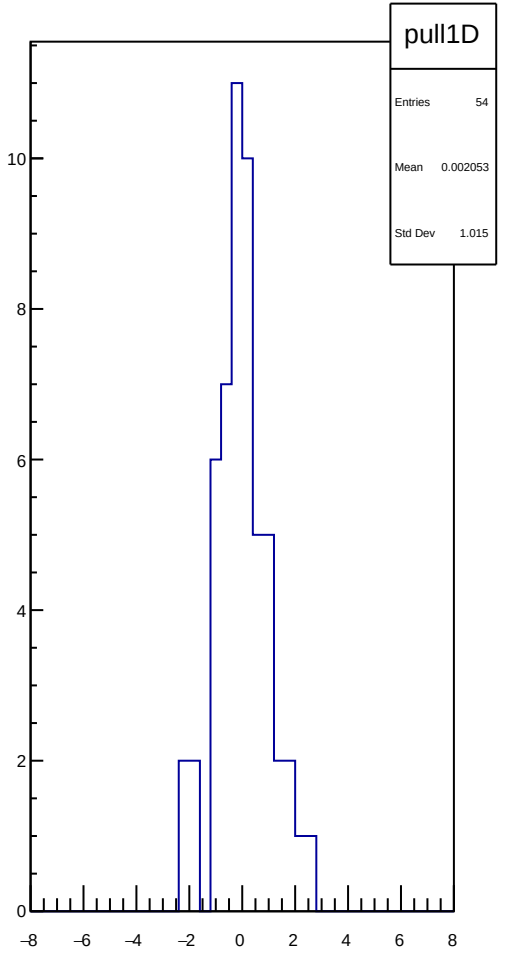

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.772e+05 / 53
p0 1.712e−11 ± 2.131e−14
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

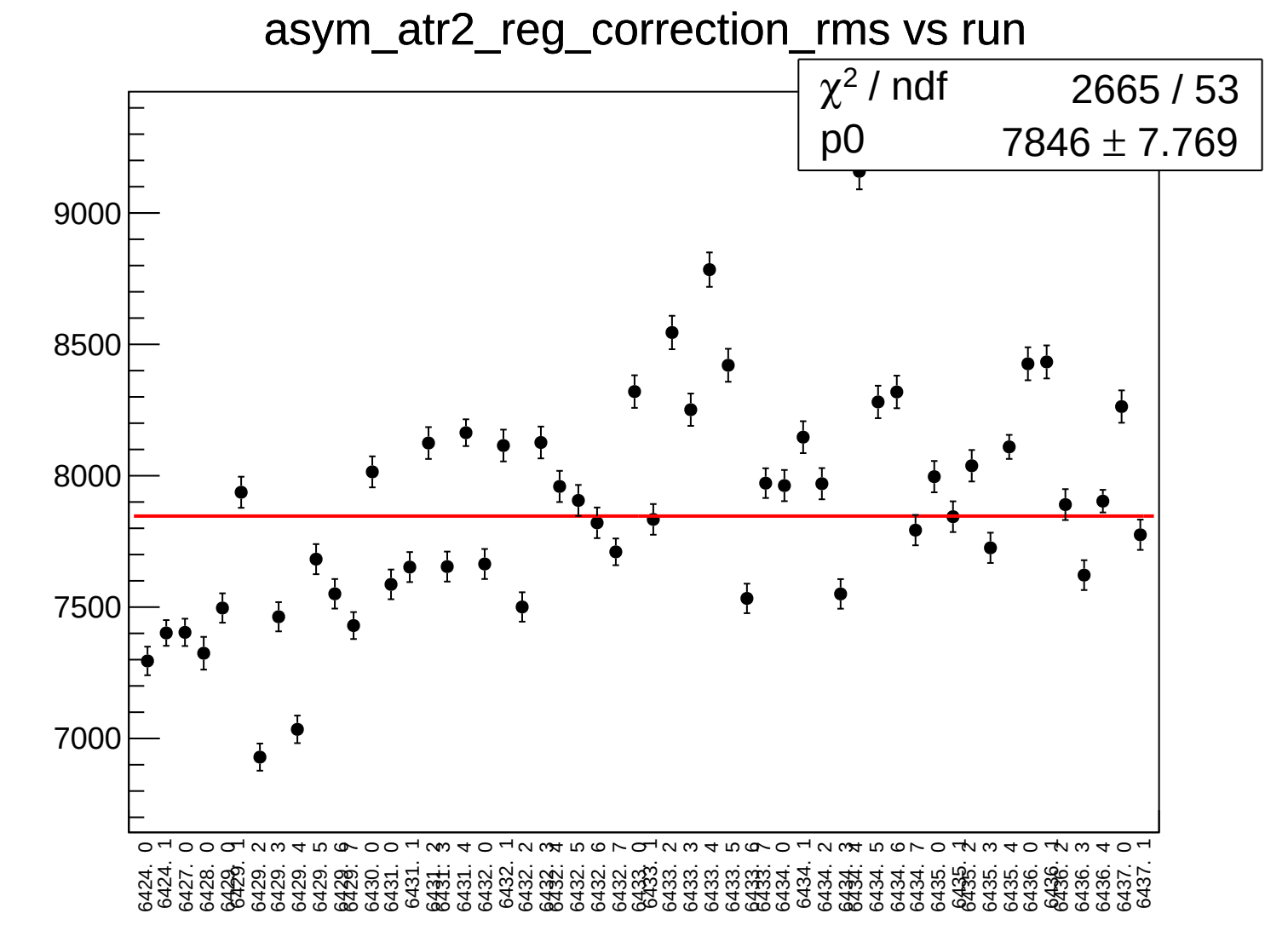

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 46.83 / 53
p0 −5363 ± 3693
pull
Entries 54
Mean −346.4
Std Dev 0

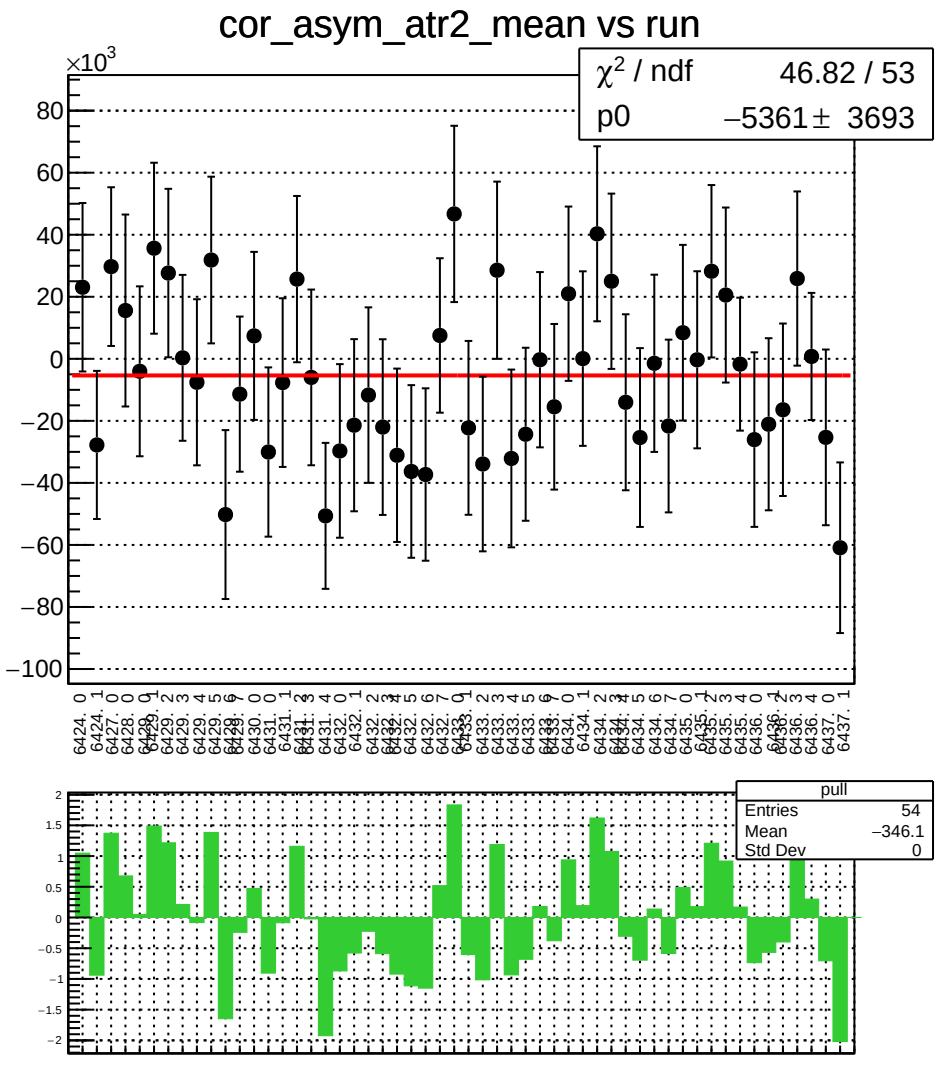

pull1D
Entries 54
Mean 0.004088
Std Dev 0.9313

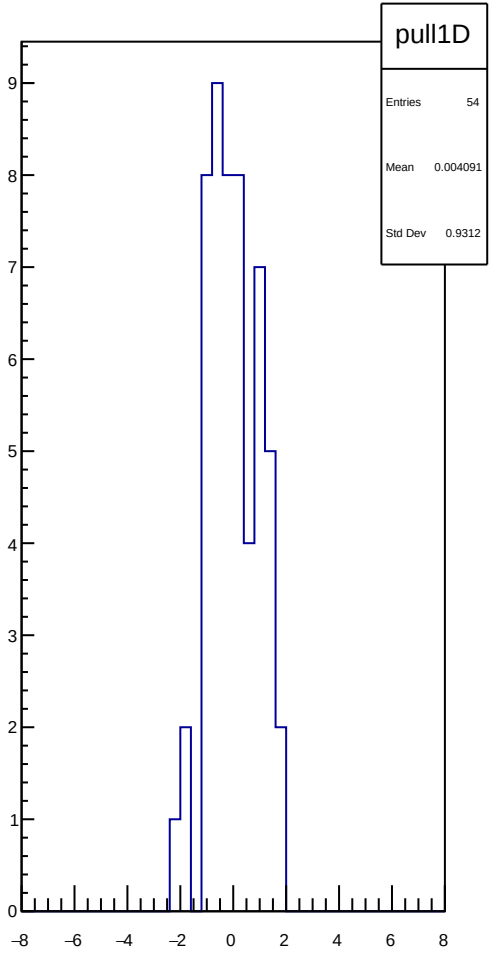

reg_asym_atr2_rms vs run
χ^2 / ndf 395 / 53
p0 2640 ± 2.612
2750
2700
2650
2600
2550
2500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

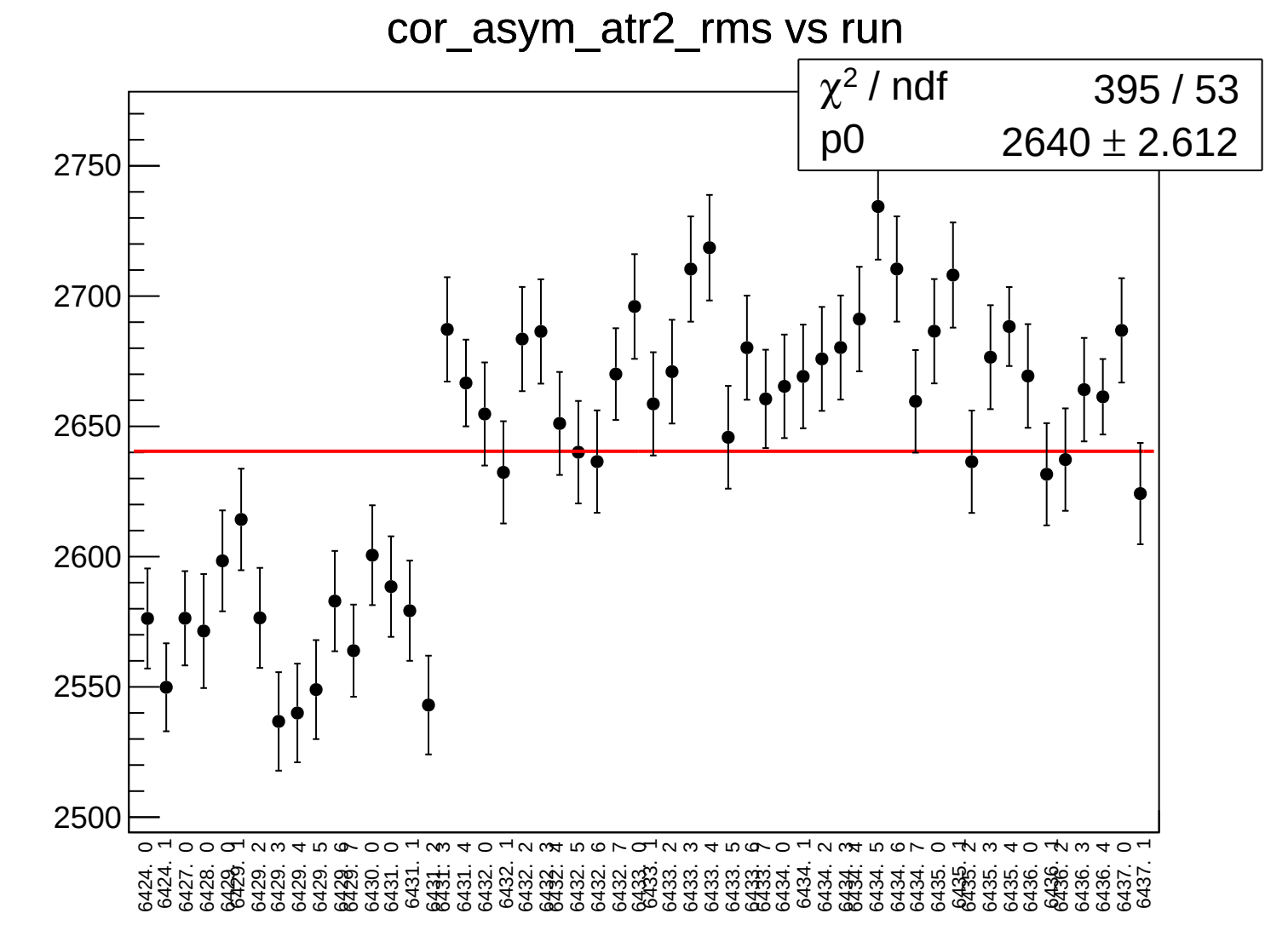

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 55.65 / 53
p0 −6456 ± 1.099e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 901.9
Std Dev 0
2
1
0
−1
−2

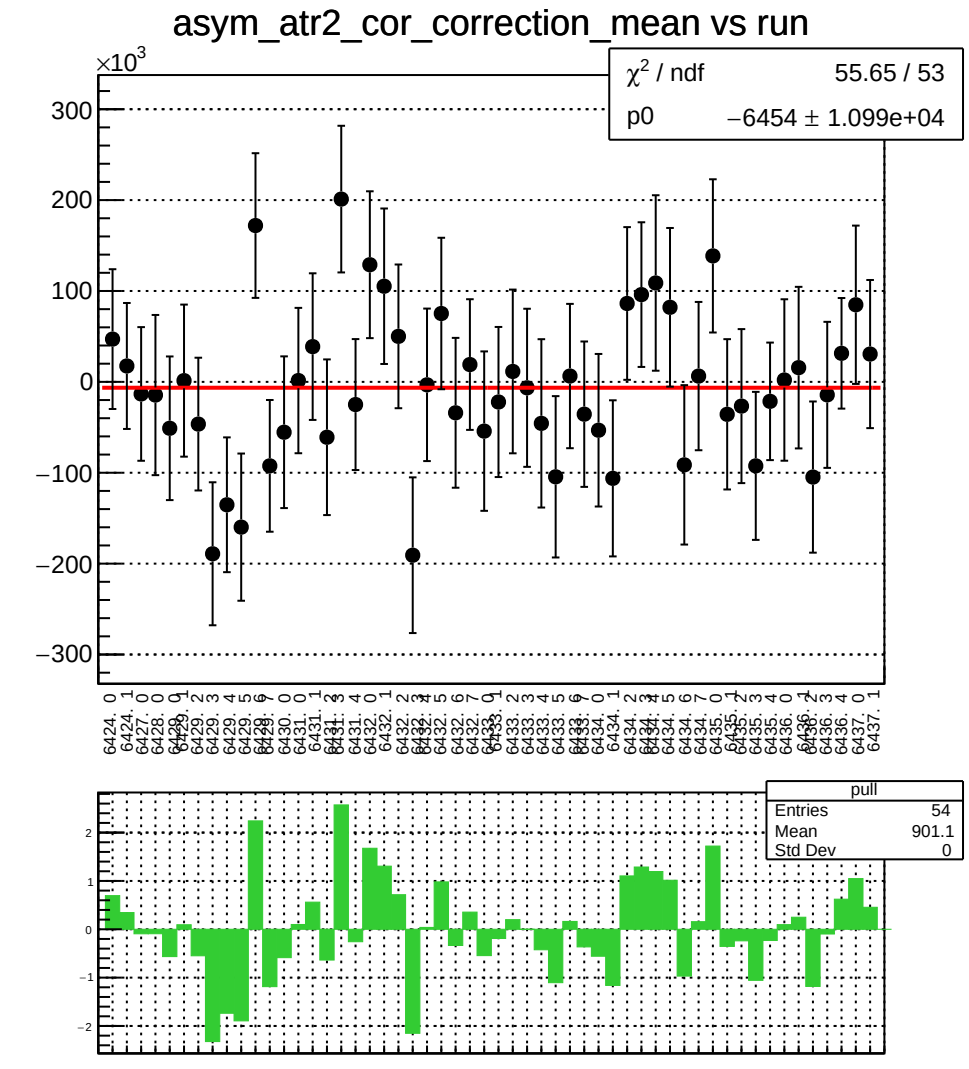

pull1D
Entries 54
Mean 0.002053
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

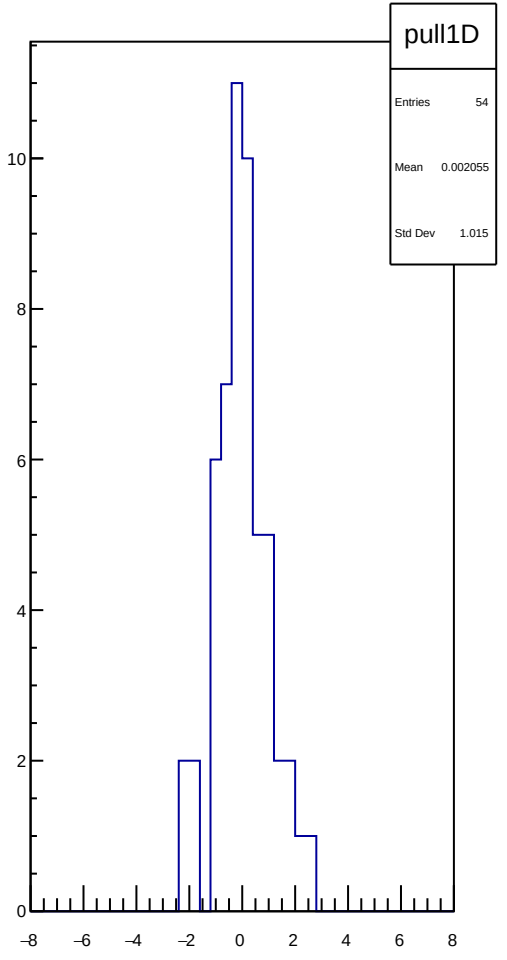

asym_atr2_reg_correction_rms vs run
χ² / ndf 2665 / 53
p0 7846 ± 7.769
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

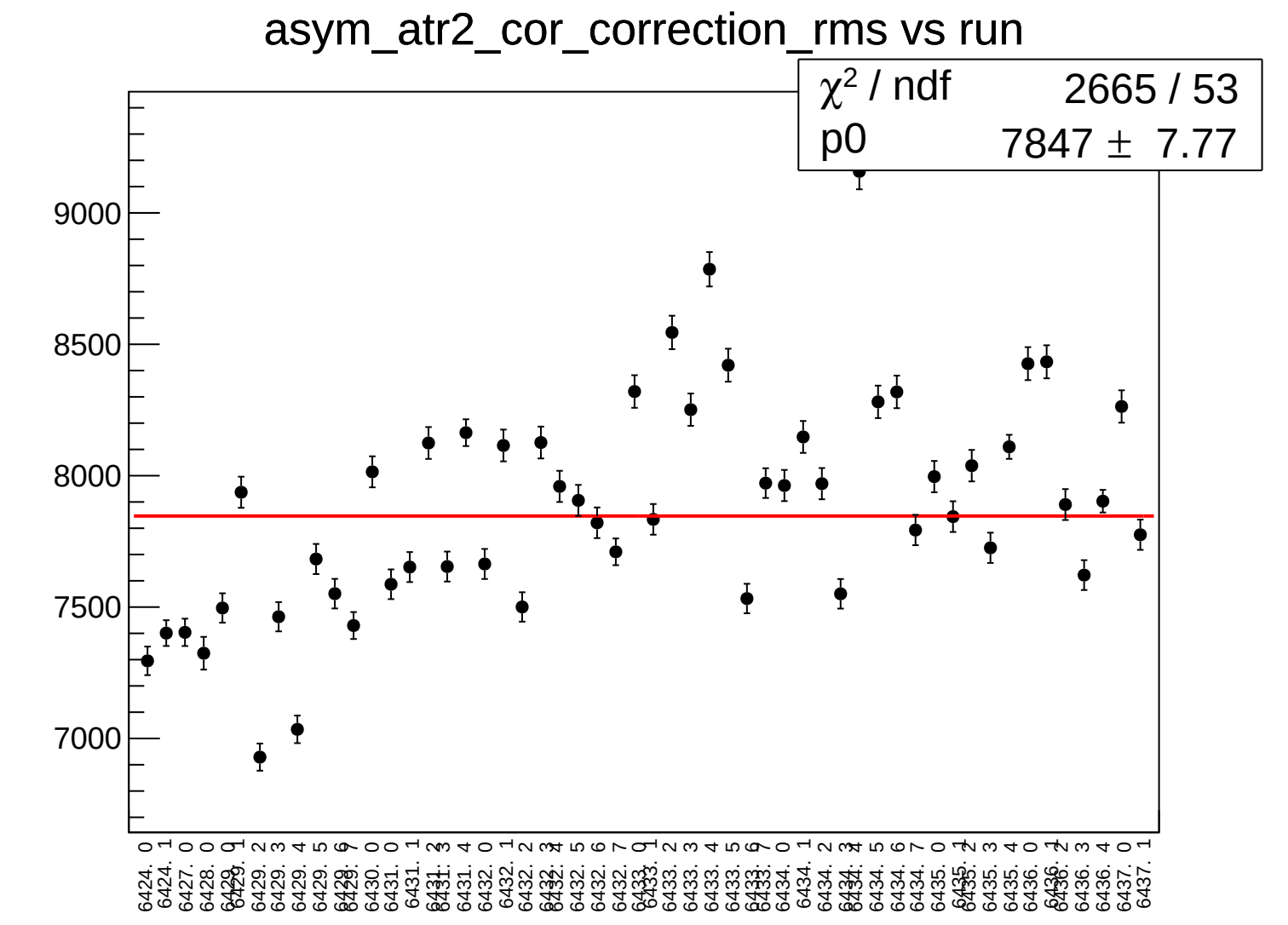

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 46.82 / 53
p0 −5361 ± 3693
pull
Entries 54
Mean −346.1
Std Dev 0

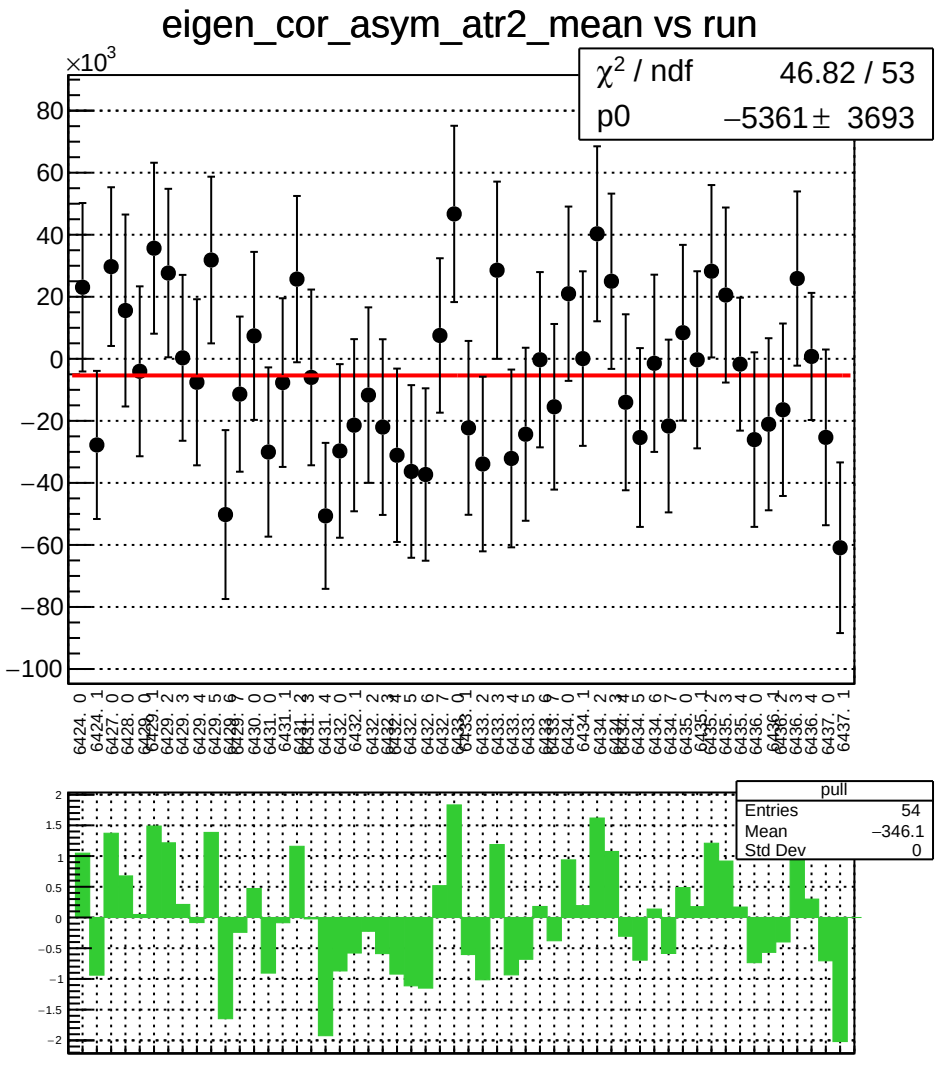

pull1D
Entries 54
Mean 0.004091
Std Dev 0.9312

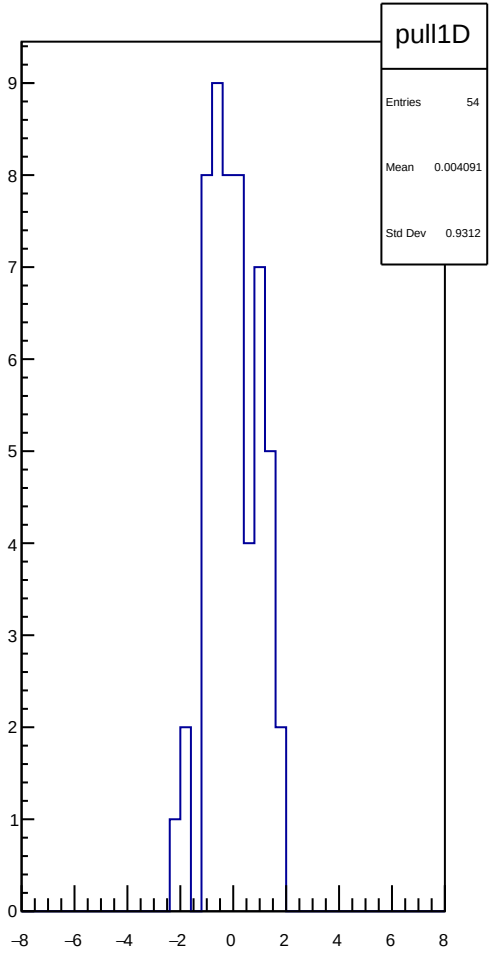

cor_asym_atr2_rms vs run
χ^2 / ndf 395 / 53
p0 2640 ± 2.612
2750
2700
2650
2600
2550
2500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

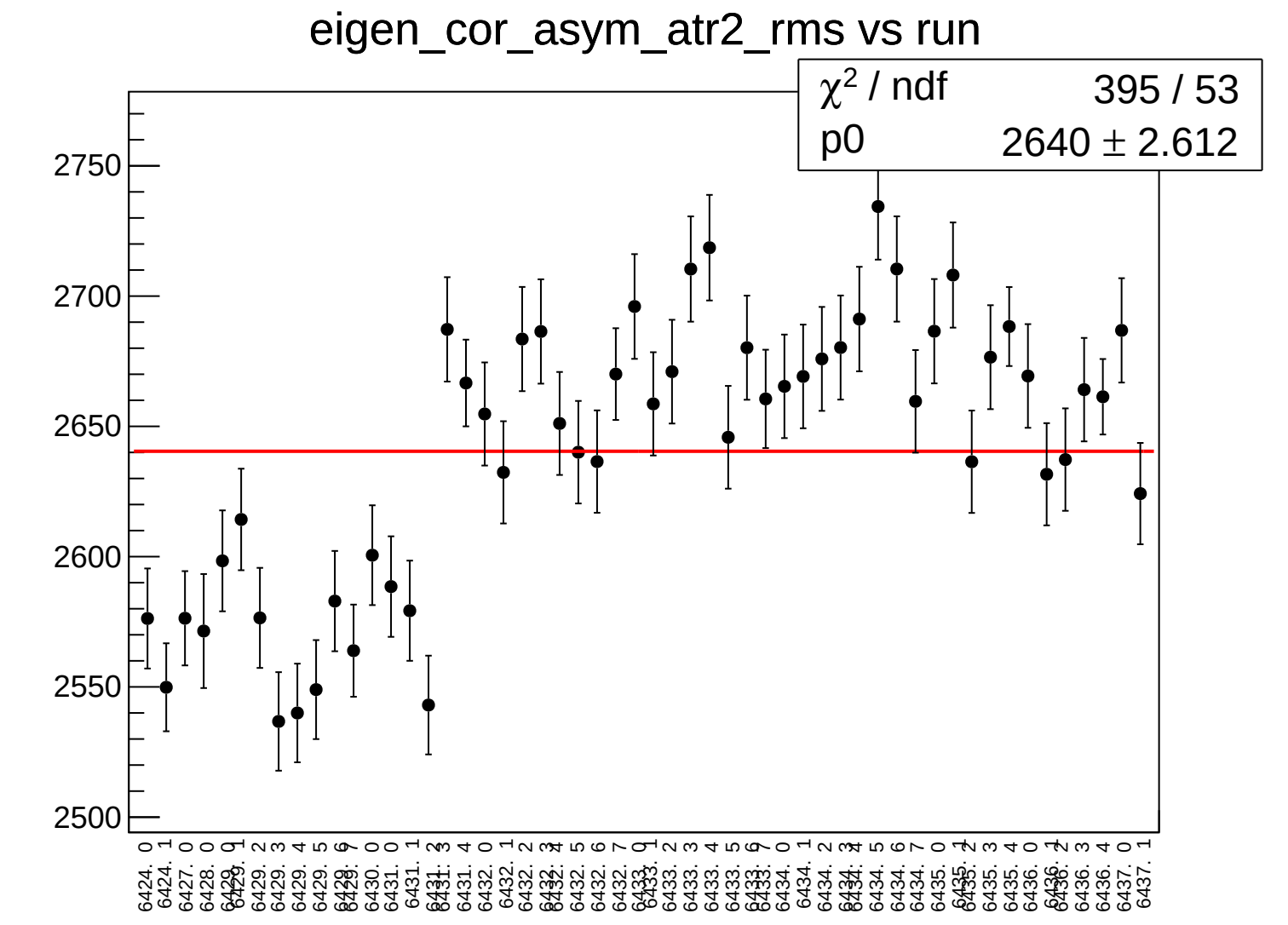

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 55.65 / 53
p0 −6454 ± 1.099e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 901.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002055
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 2665 / 53
p0 7847 ± 7.77
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 46.82 / 53
p0 −5361 ± 3693
pull
Entries 54
Mean −346.1
Std Dev 0


pull1D
Entries 54
Mean 0.004091
Std Dev 0.9312


eigen_cor_asym_atr2_rms vs run
χ² / ndf 395 / 53
p0 2640 ± 2.612
2750
2700
2650
2600
2550
2500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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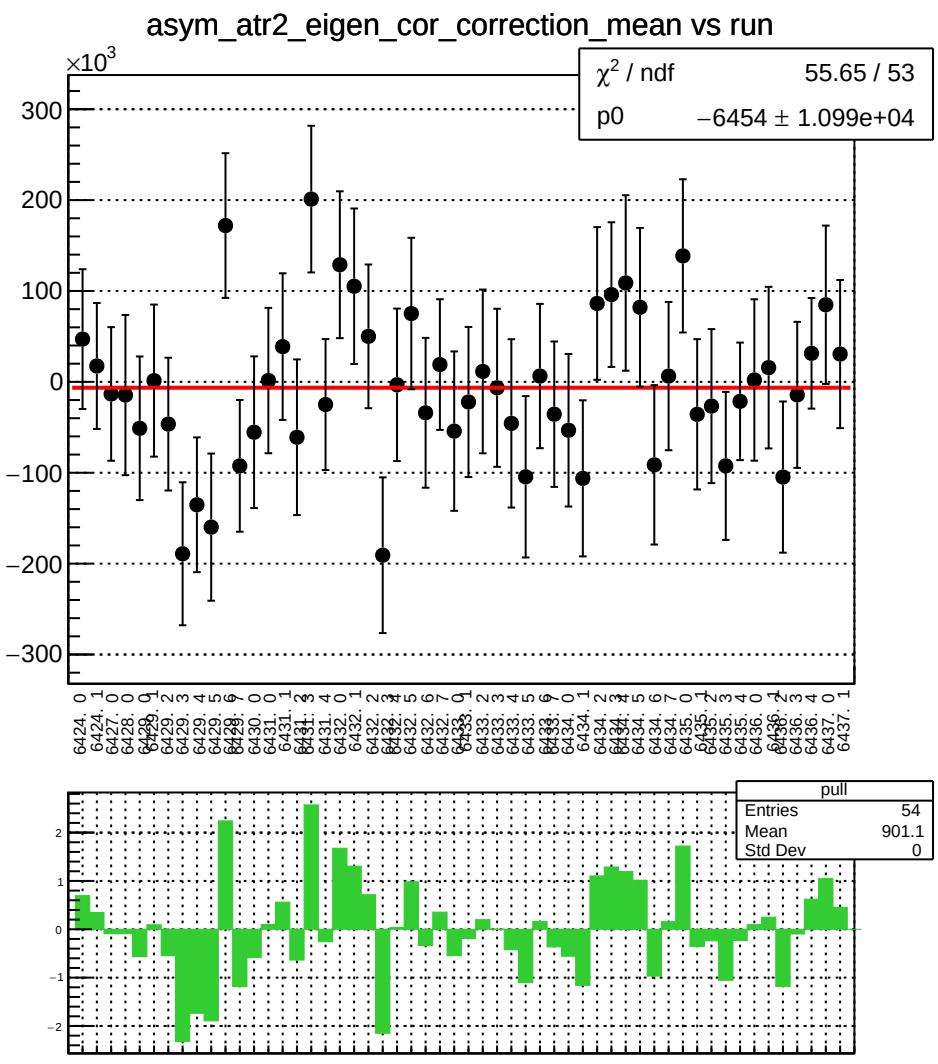
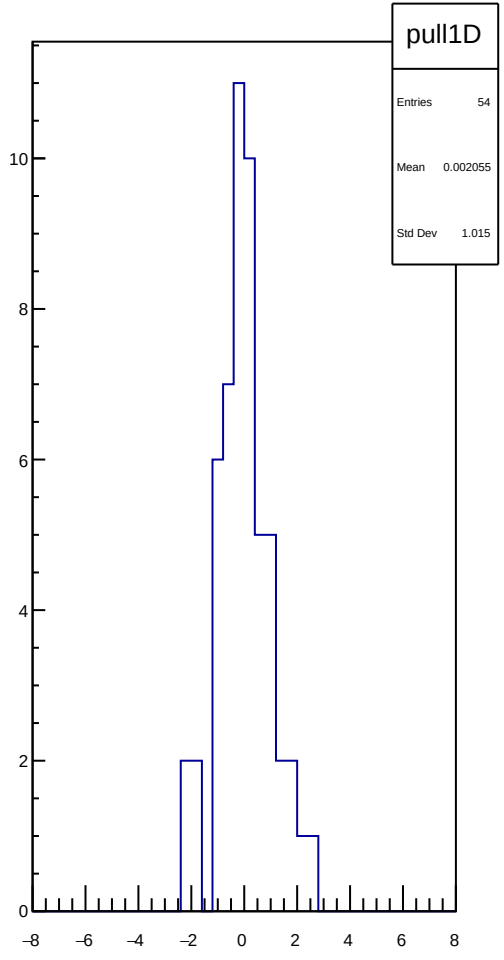
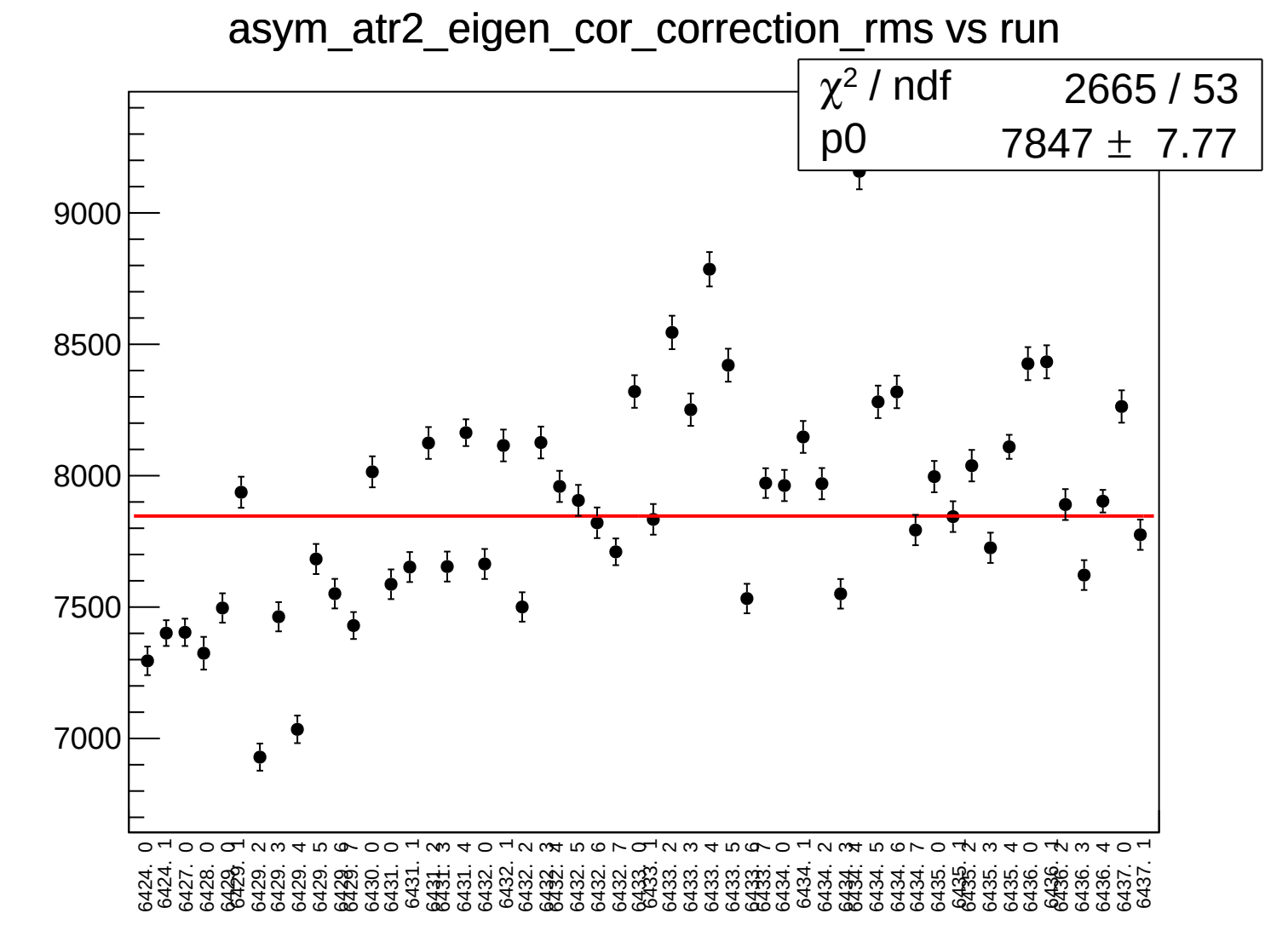
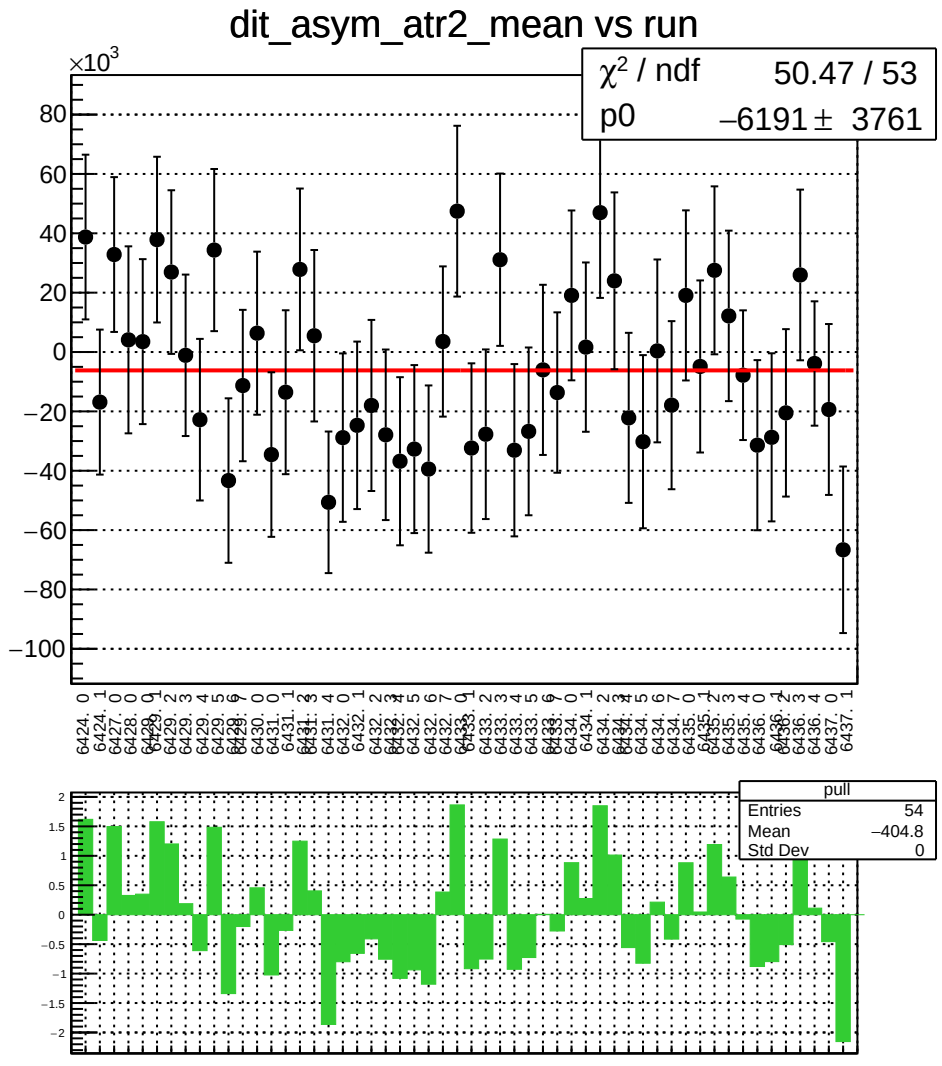
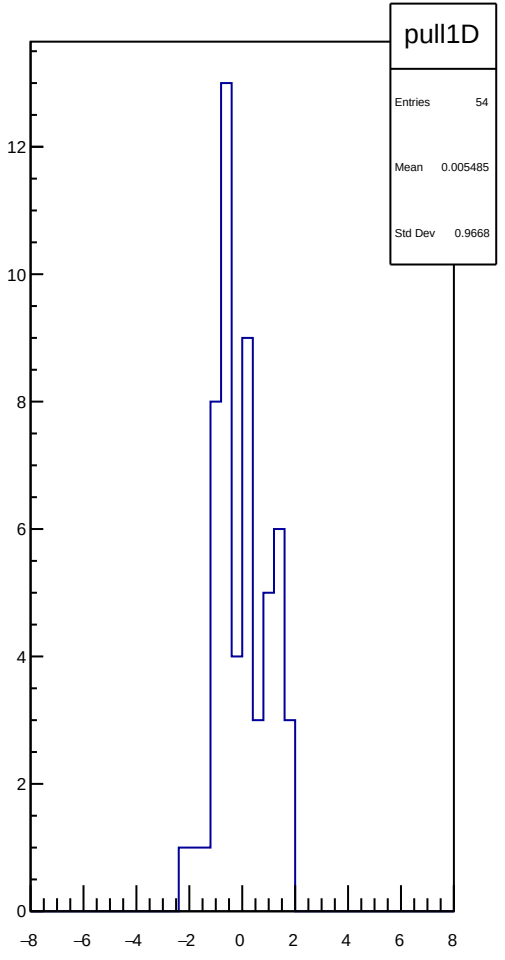
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

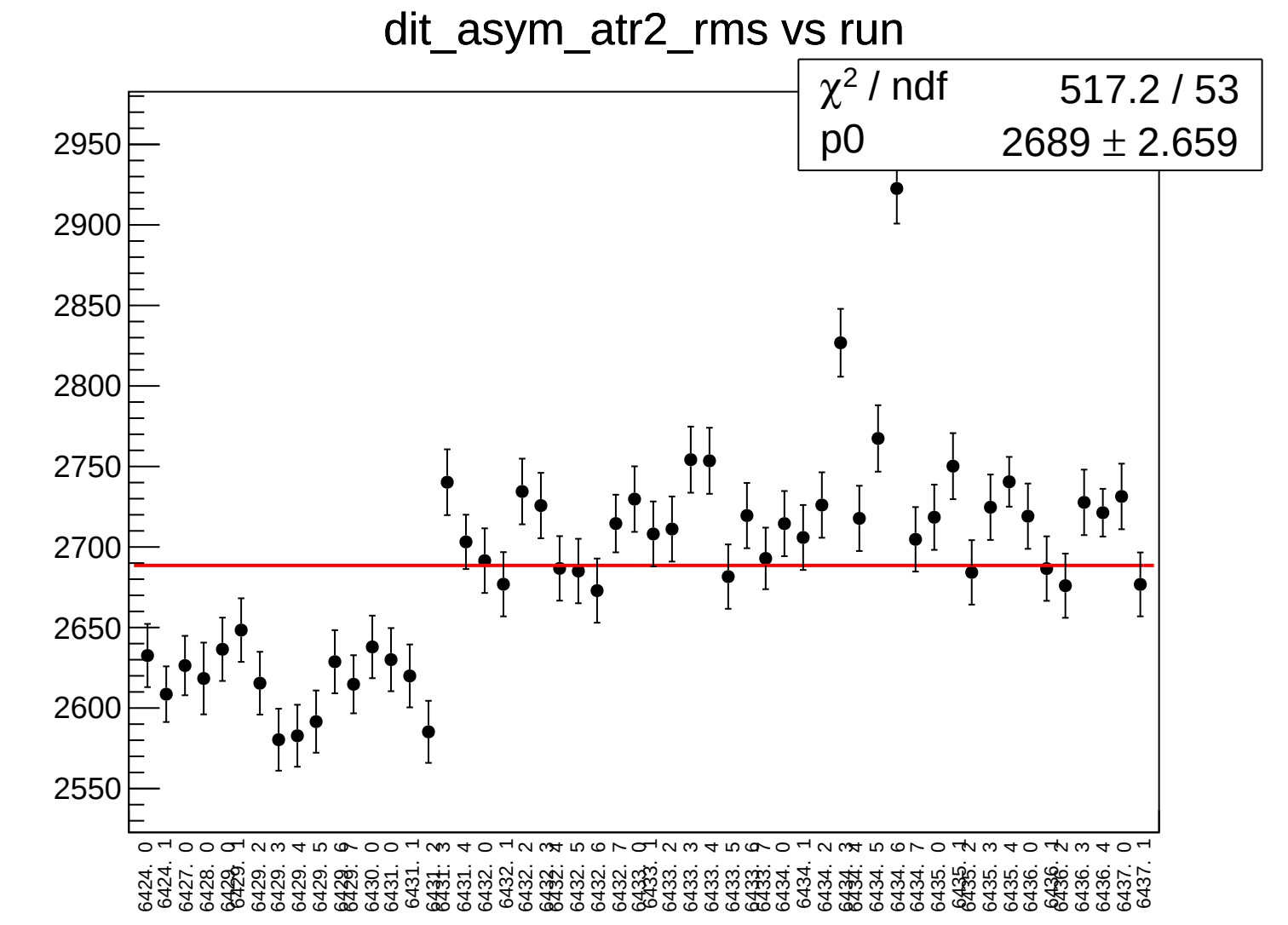

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.65 / 53
p0 −6454 ± 1.099e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 901.1
Std Dev 0
2
1
0
−1
−2

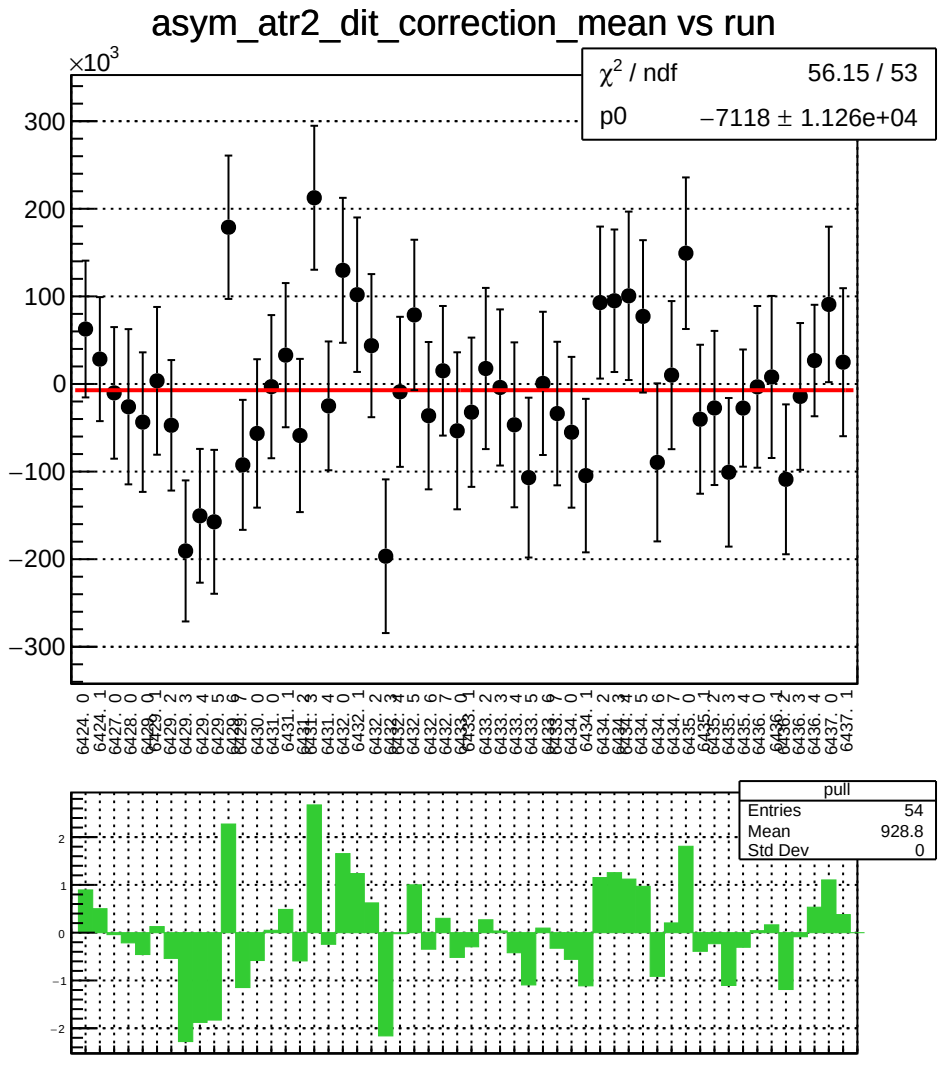

pull1D
Entries 54
Mean 0.002055
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

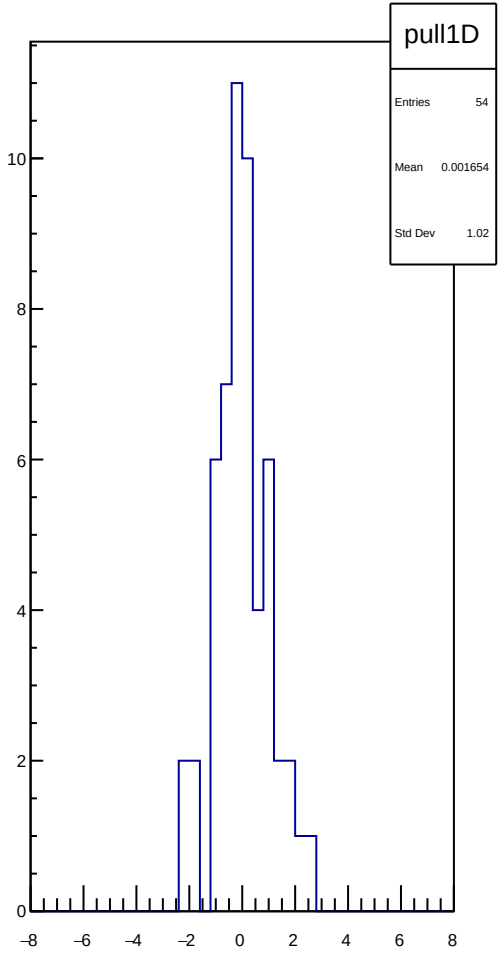

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2665 / 53
p0 7847 ± 7.77
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

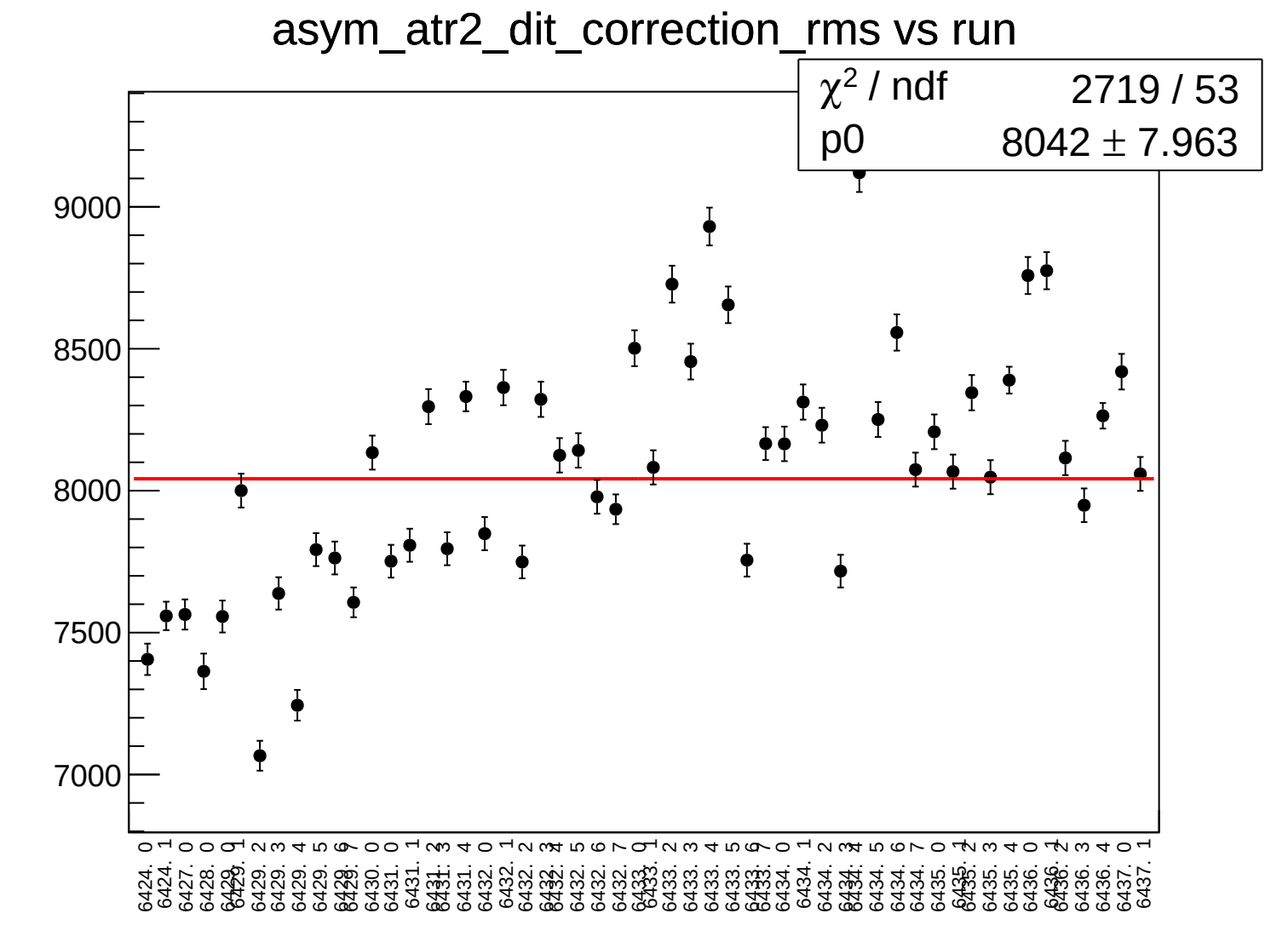

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 50.47 / 53
p0 −6191 ± 3761
pull
Entries 54
Mean −404.8
Std Dev 0

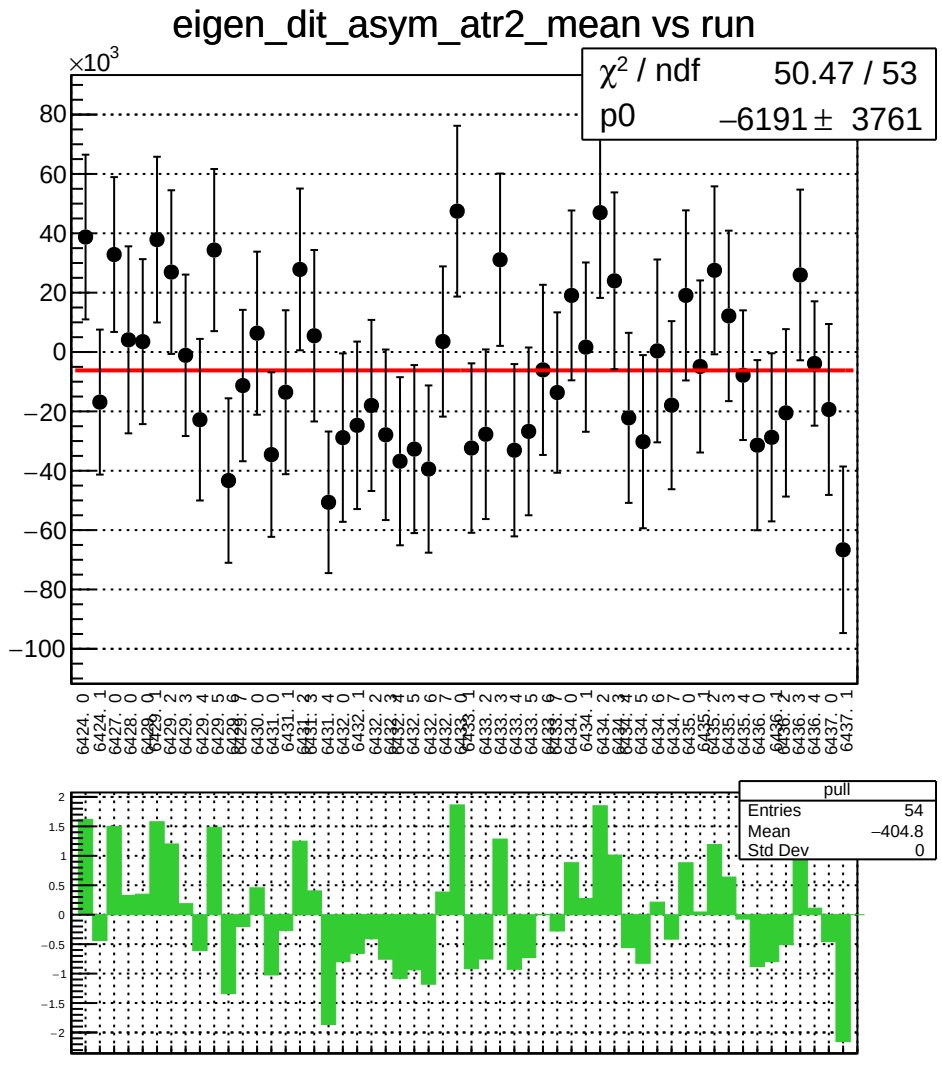

pull1D
Entries 54
Mean 0.005485
Std Dev 0.9668

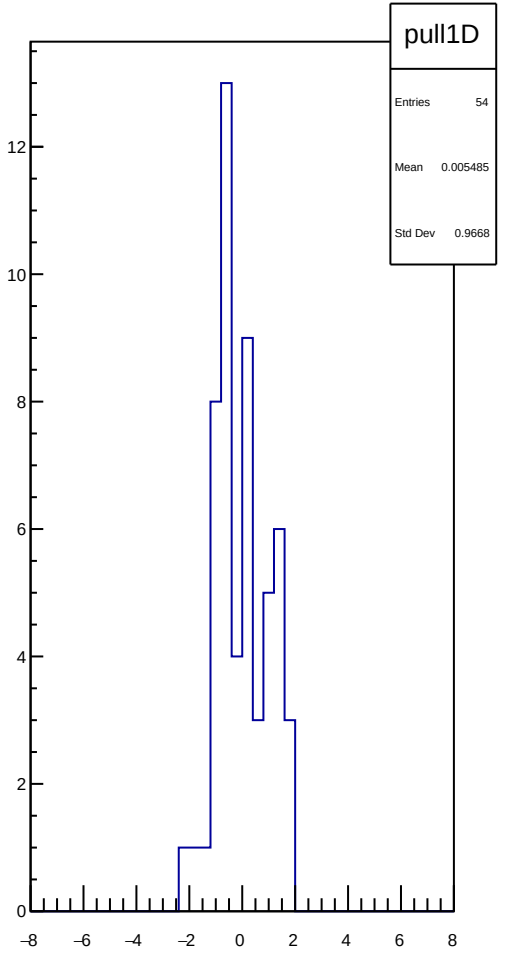

dit_asym_atr2_rms vs run
χ² / ndf 517.2 / 53
p0 2689 ± 2.659
2950
2900
2850
2800
2750
2700
2650
2600
2550
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

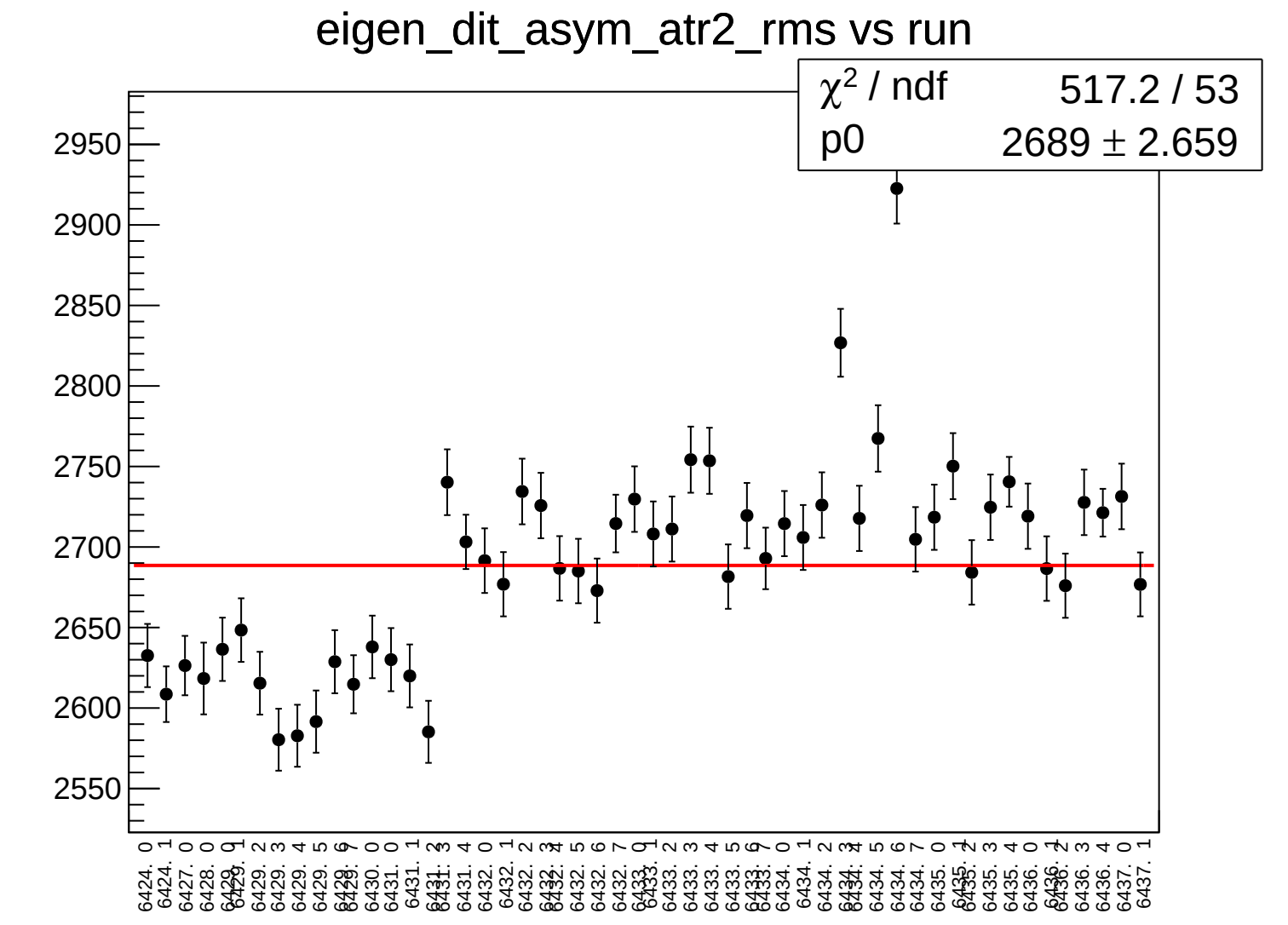

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 56.15 / 53
p0 −7118 ± 1.126e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 928.8
Std Dev 0
2
1
0
−1
−2

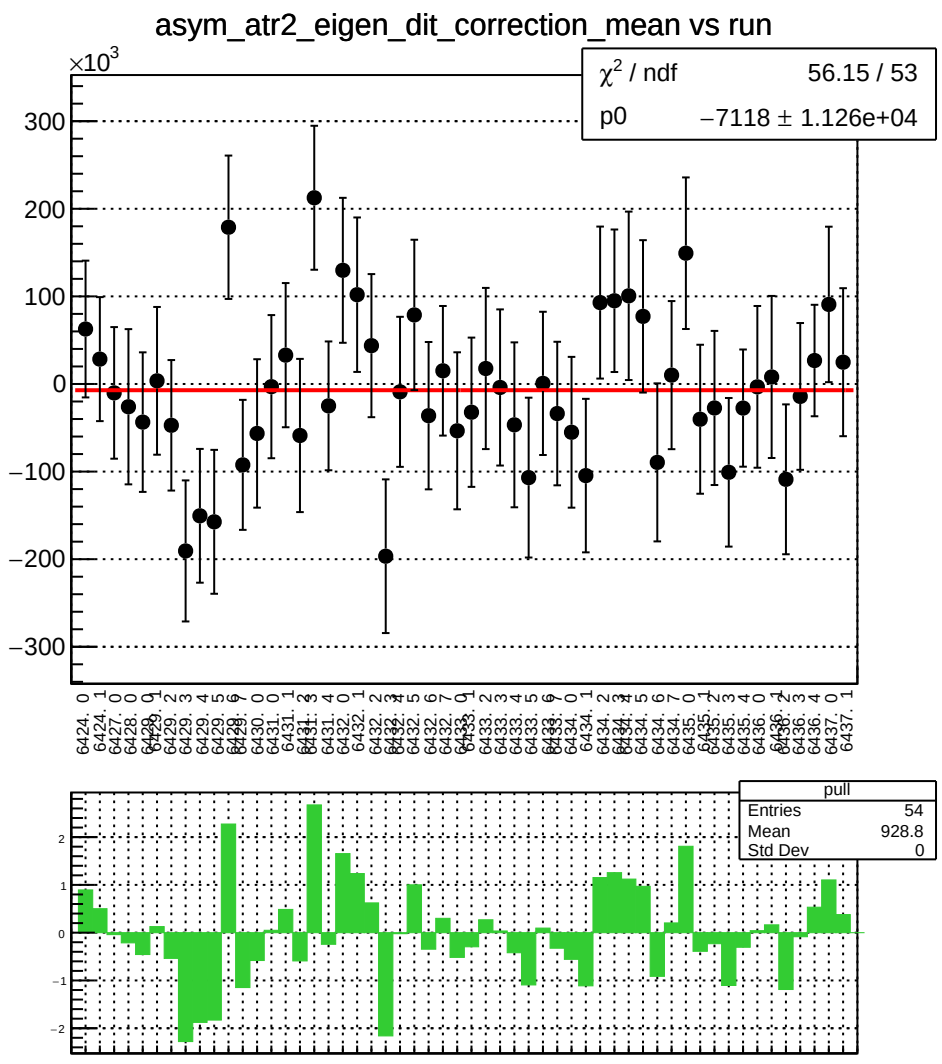

pull1D
Entries 54
Mean 0.001654
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

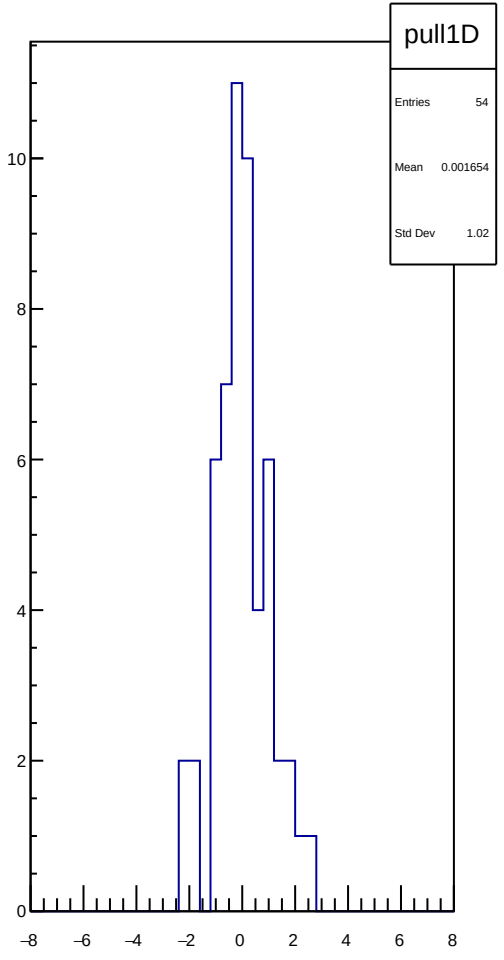

asym_atr2_dit_correction_rms vs run
χ² / ndf 2719 / 53
p0 8042 ± 7.963
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

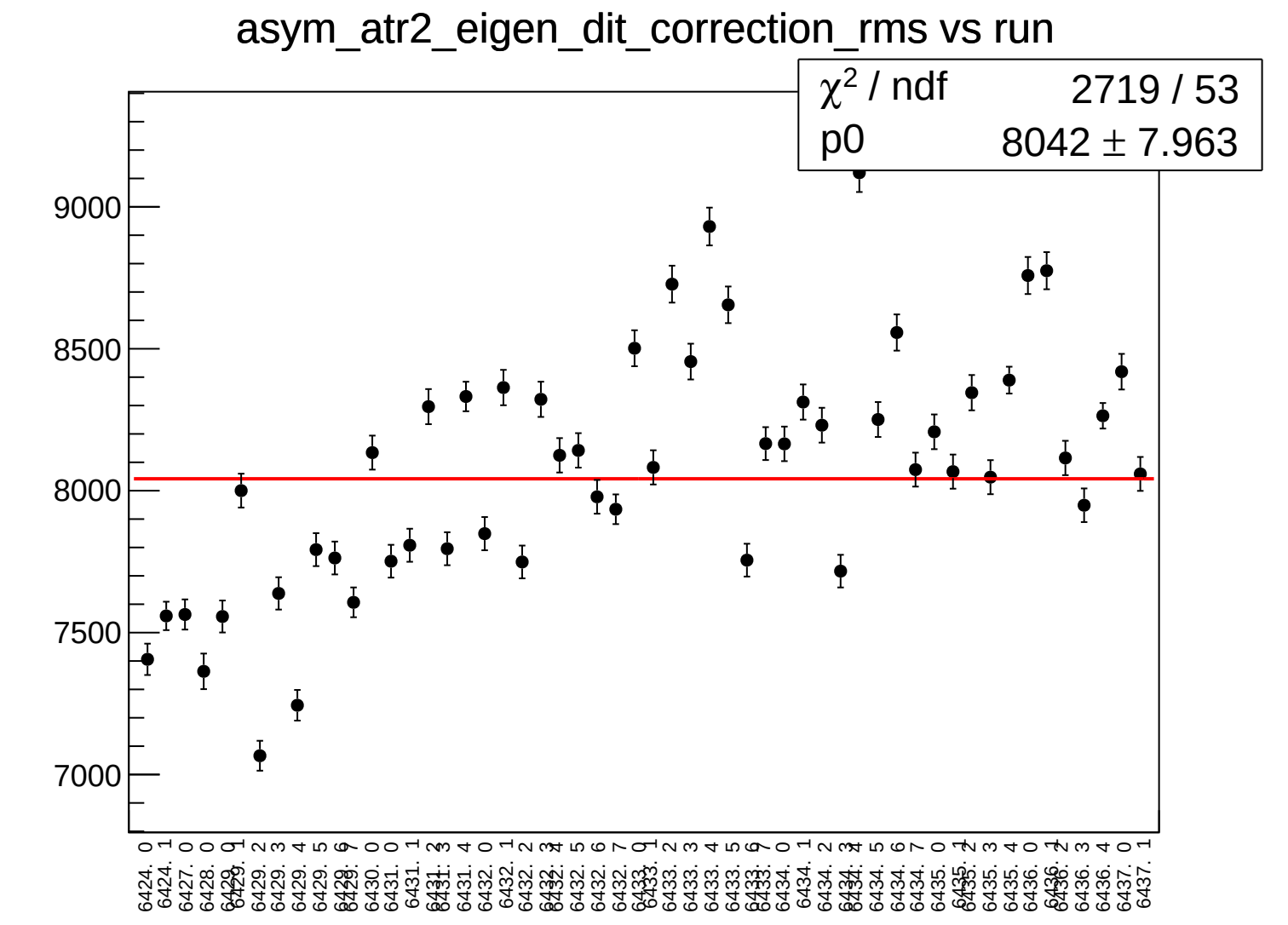

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 50.47 / 53
p0 −6191 ± 3761
pull
Entries 54
Mean −404.8
Std Dev 0

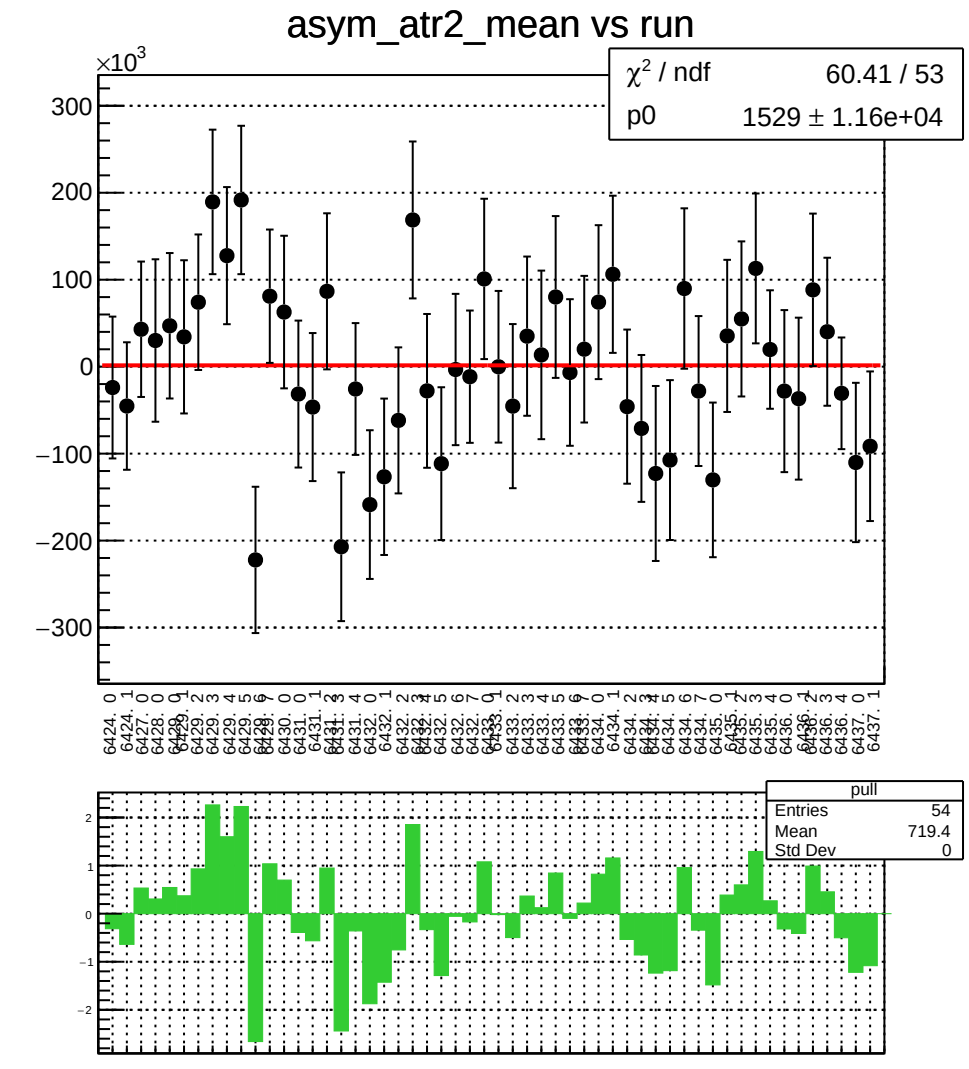

pull1D
Entries 54
Mean 0.005485
Std Dev 0.9668

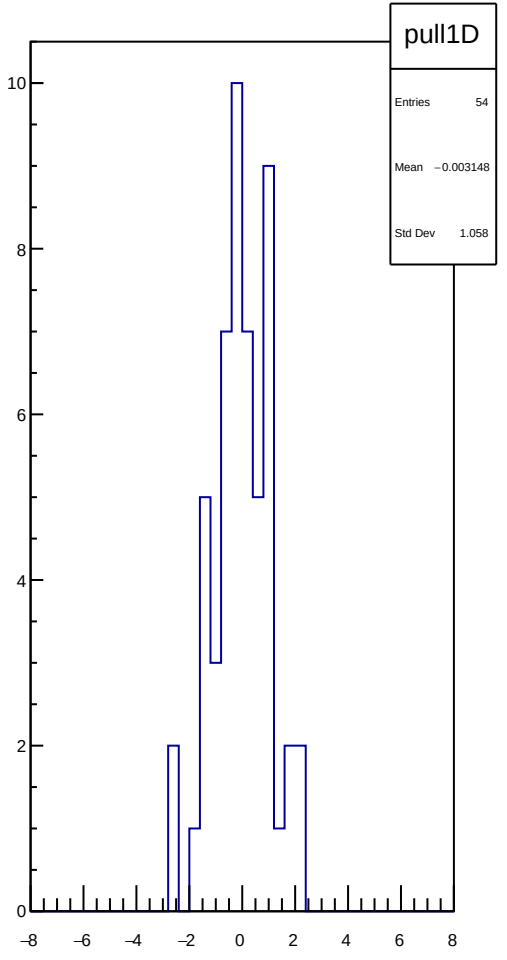

eigen_dit_asym_atr2_rms vs run
χ² / ndf 517.2 / 53
p0 2689 ± 2.659
2950
2900
2850
2800
2750
2700
2650
2600
2550
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

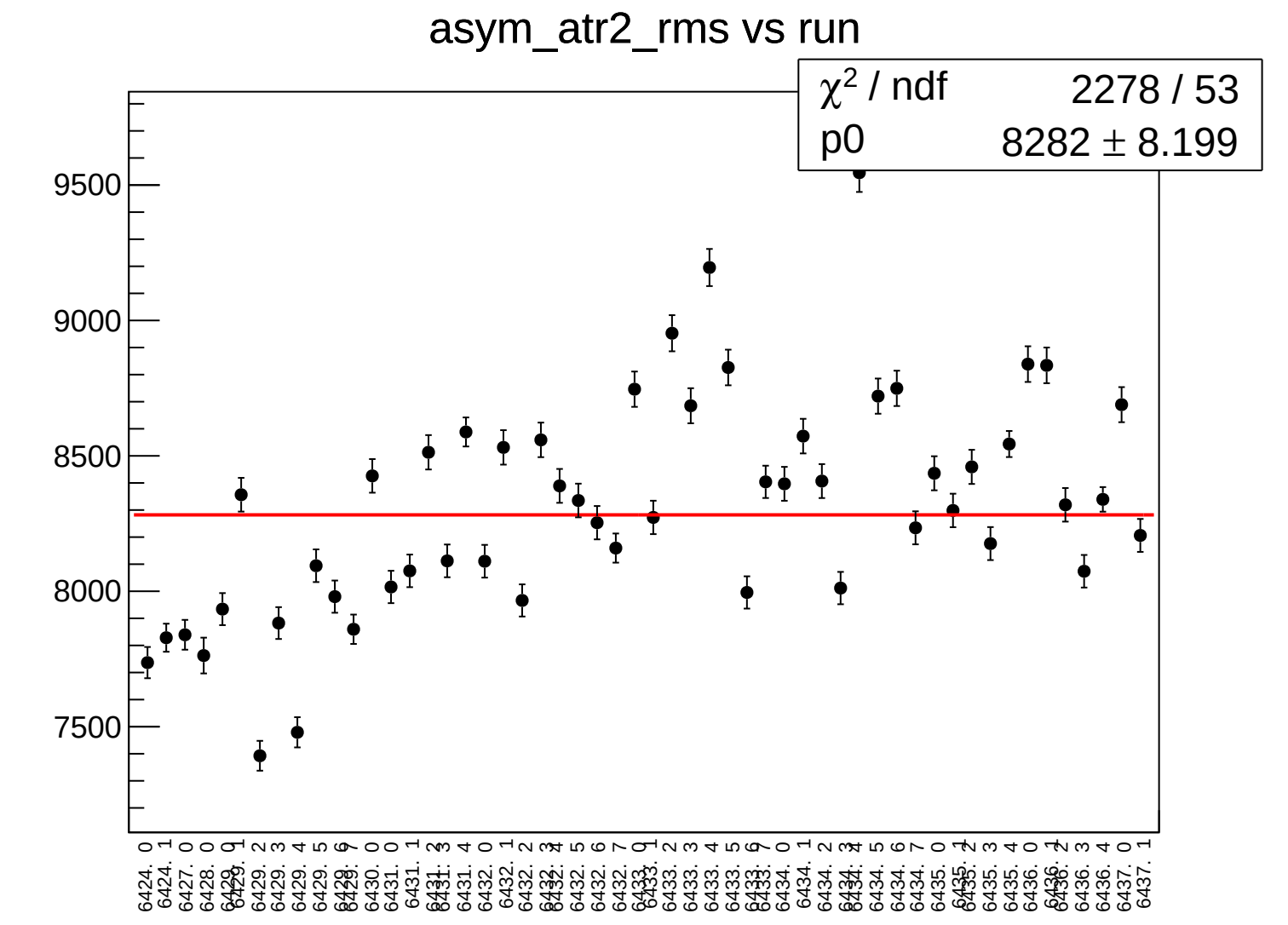

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.15 / 53
p0 −7118 ± 1.126e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 928.8
Std Dev 0
2
1
0
−1
−2

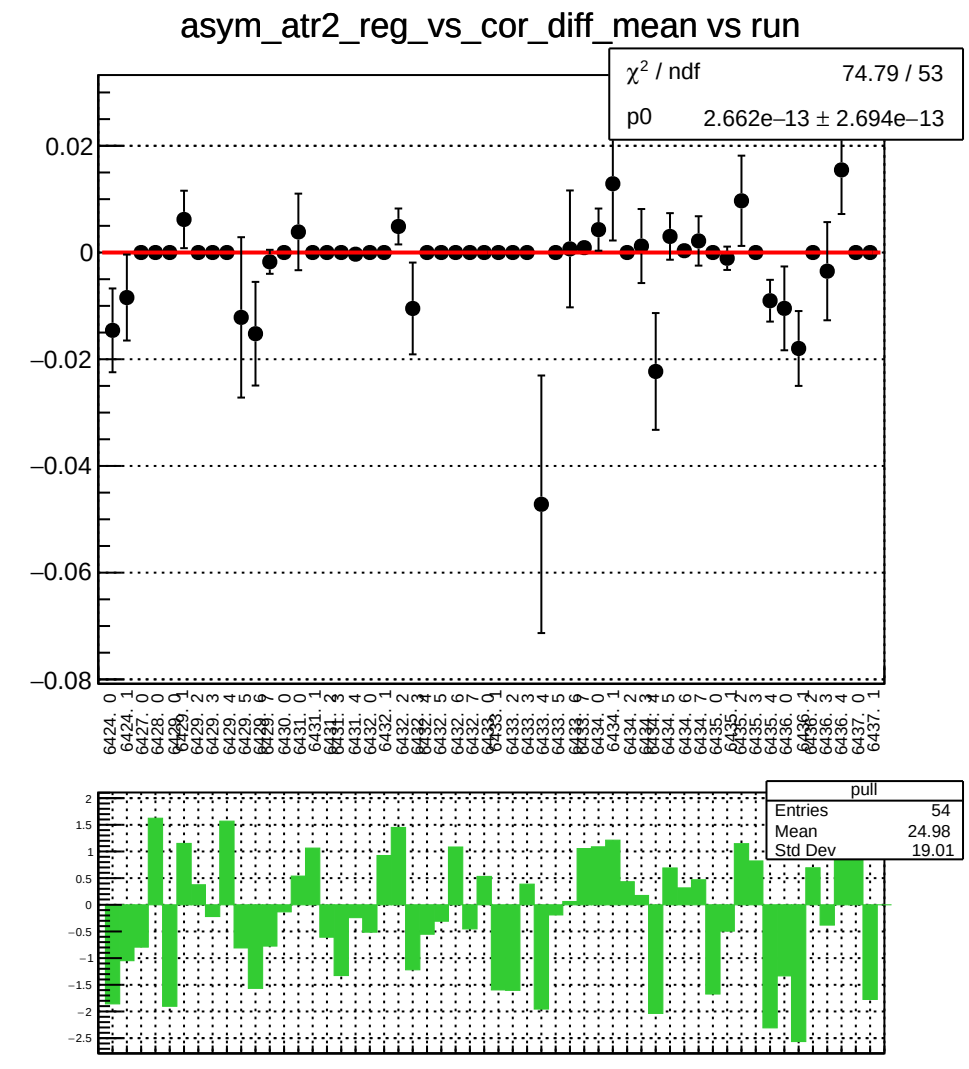

pull1D
Entries 54
Mean 0.001654
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

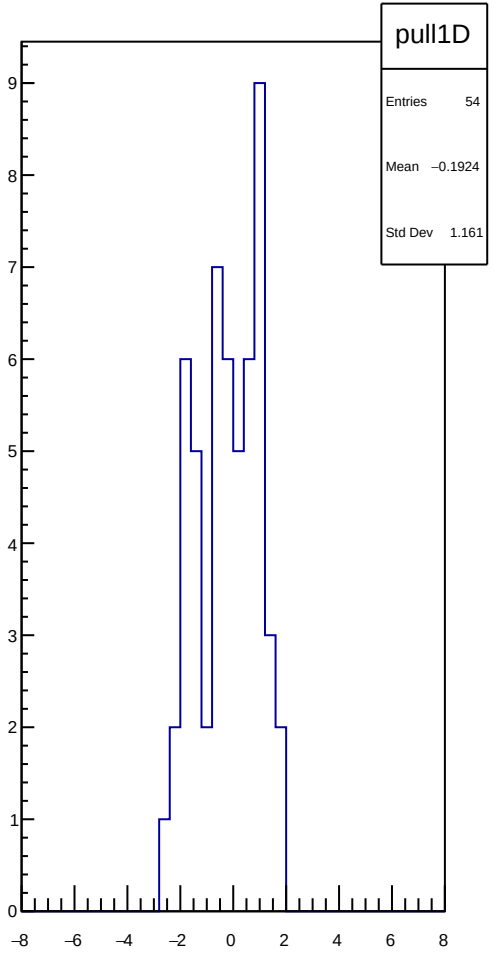

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 2719 / 53
p0 8042 ± 7.963
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

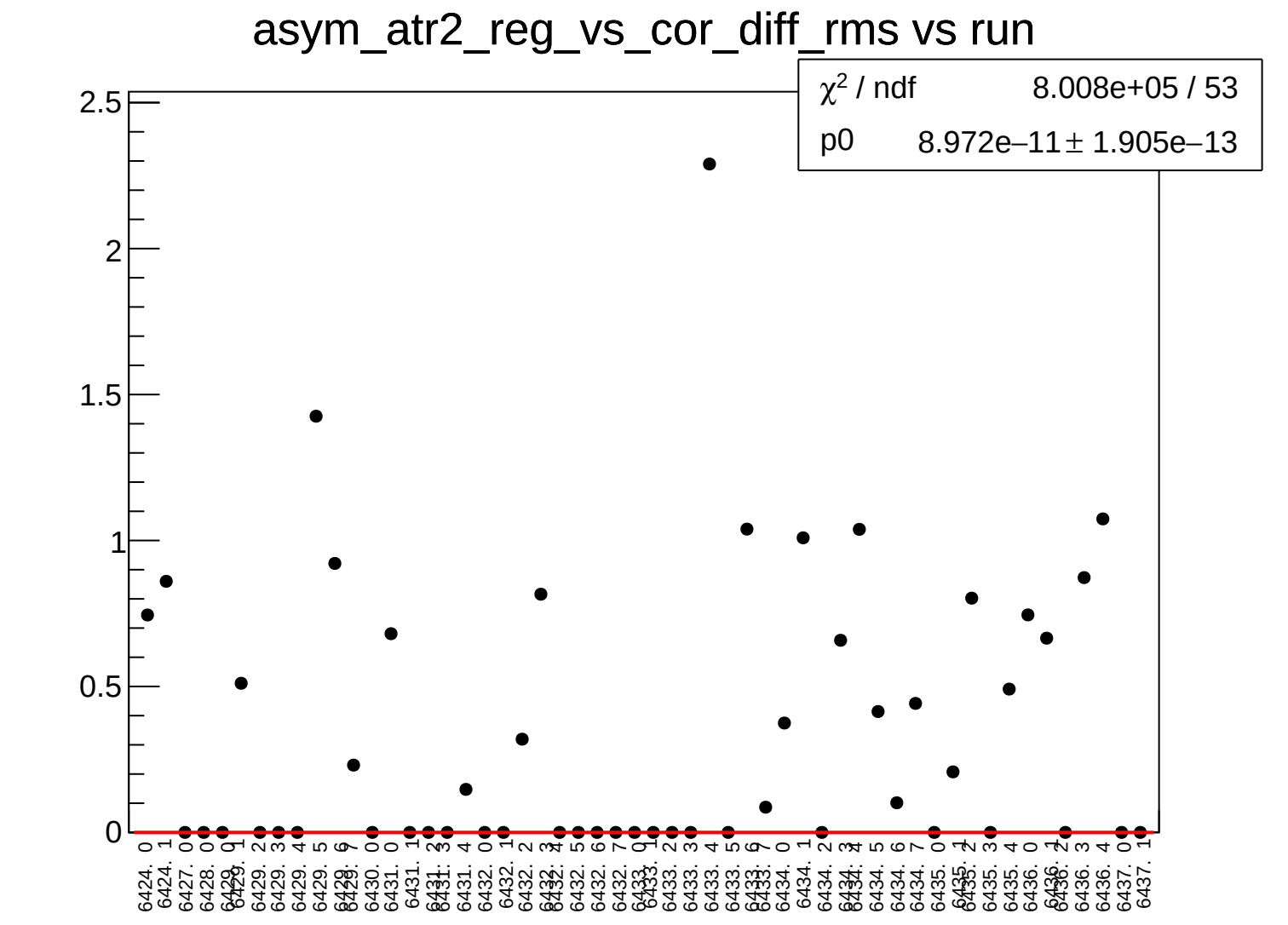

asym_atr2_mean vs run
×10^3
χ² / ndf 60.41 / 53
p0 1529 ± 1.16e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 719.4
Std Dev 0
2
1
0
−1
−2

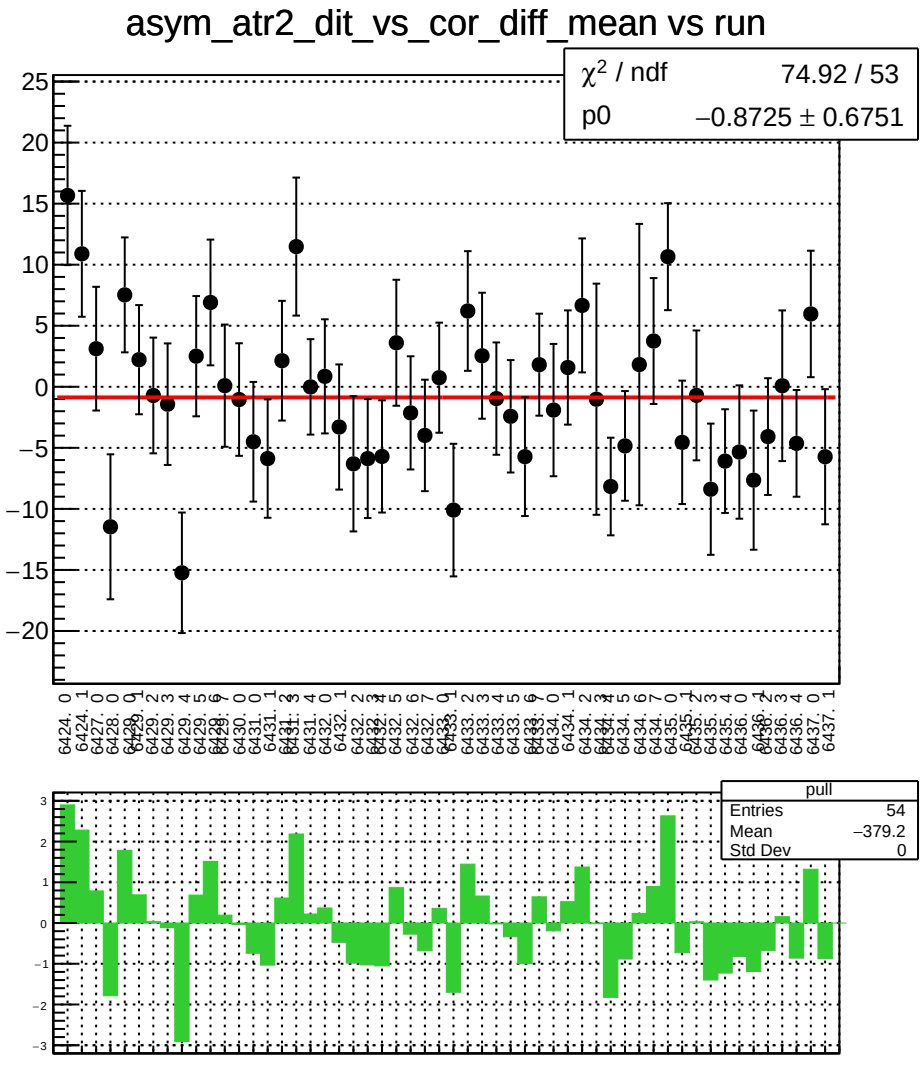

pull1D
Entries 54
Mean −0.003148
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

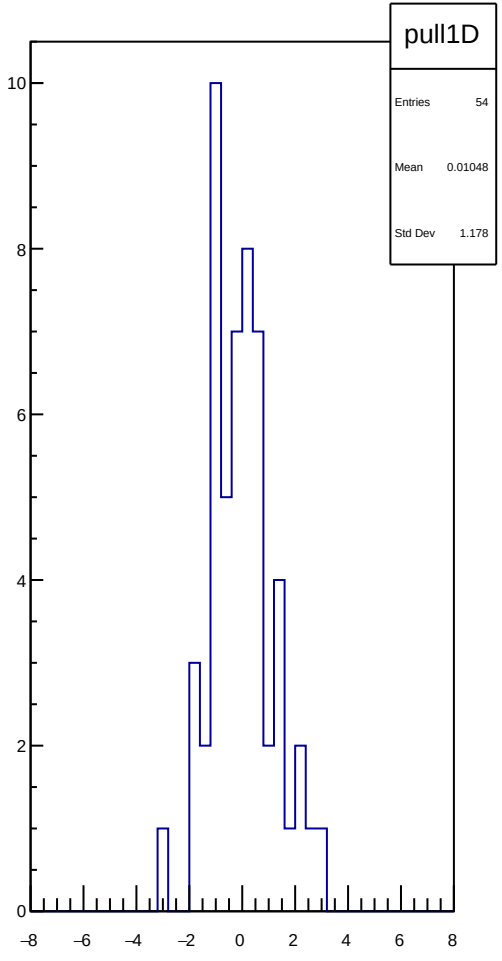

asym_atr2_rms vs run
χ² / ndf 2278 / 53
p0 8282 ± 8.199
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

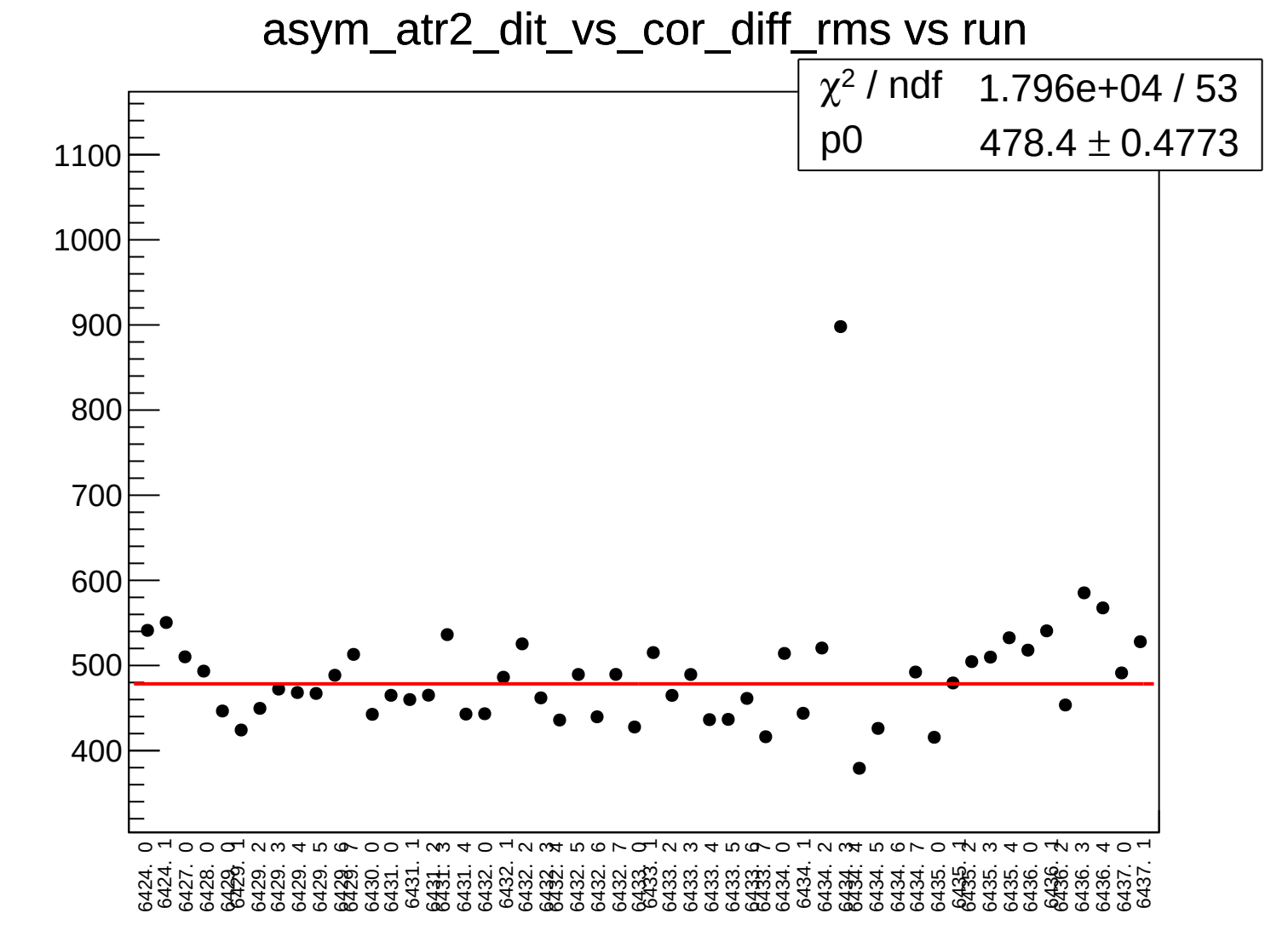

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 74.79 / 53
p0 2.662e−13 ± 2.694e−13
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 54
Mean 24.98
Std Dev 19.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

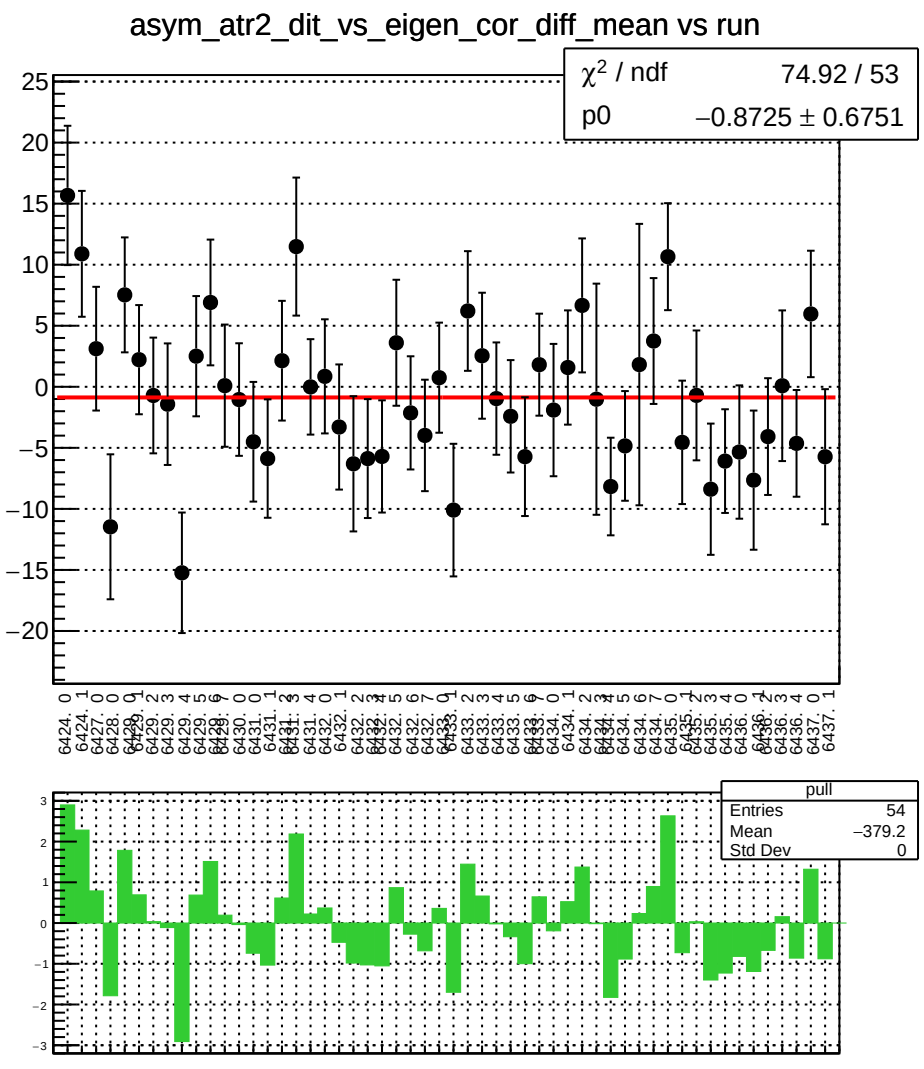

pull1D
Entries 54
Mean −0.1924
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

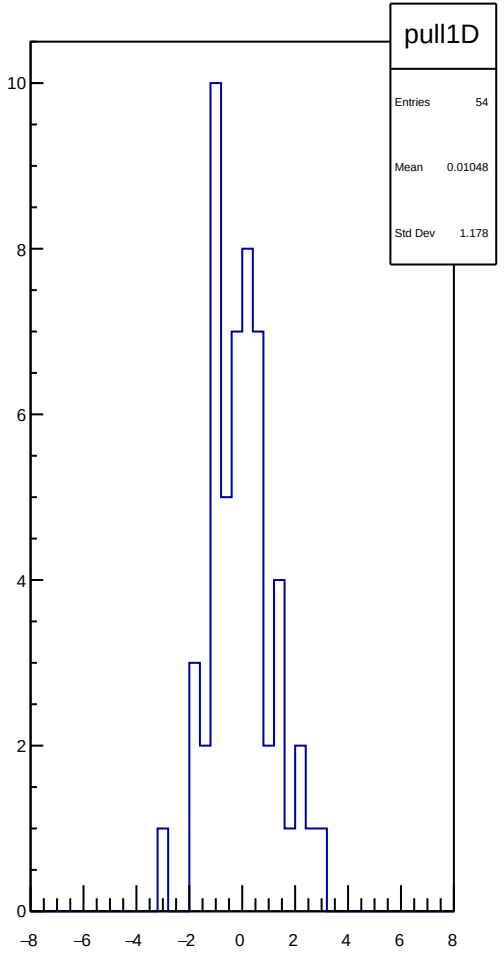

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.008e+05 / 53
p0 8.972e−11 ± 1.905e−13
2.5
2
1.5
1
0.5
0

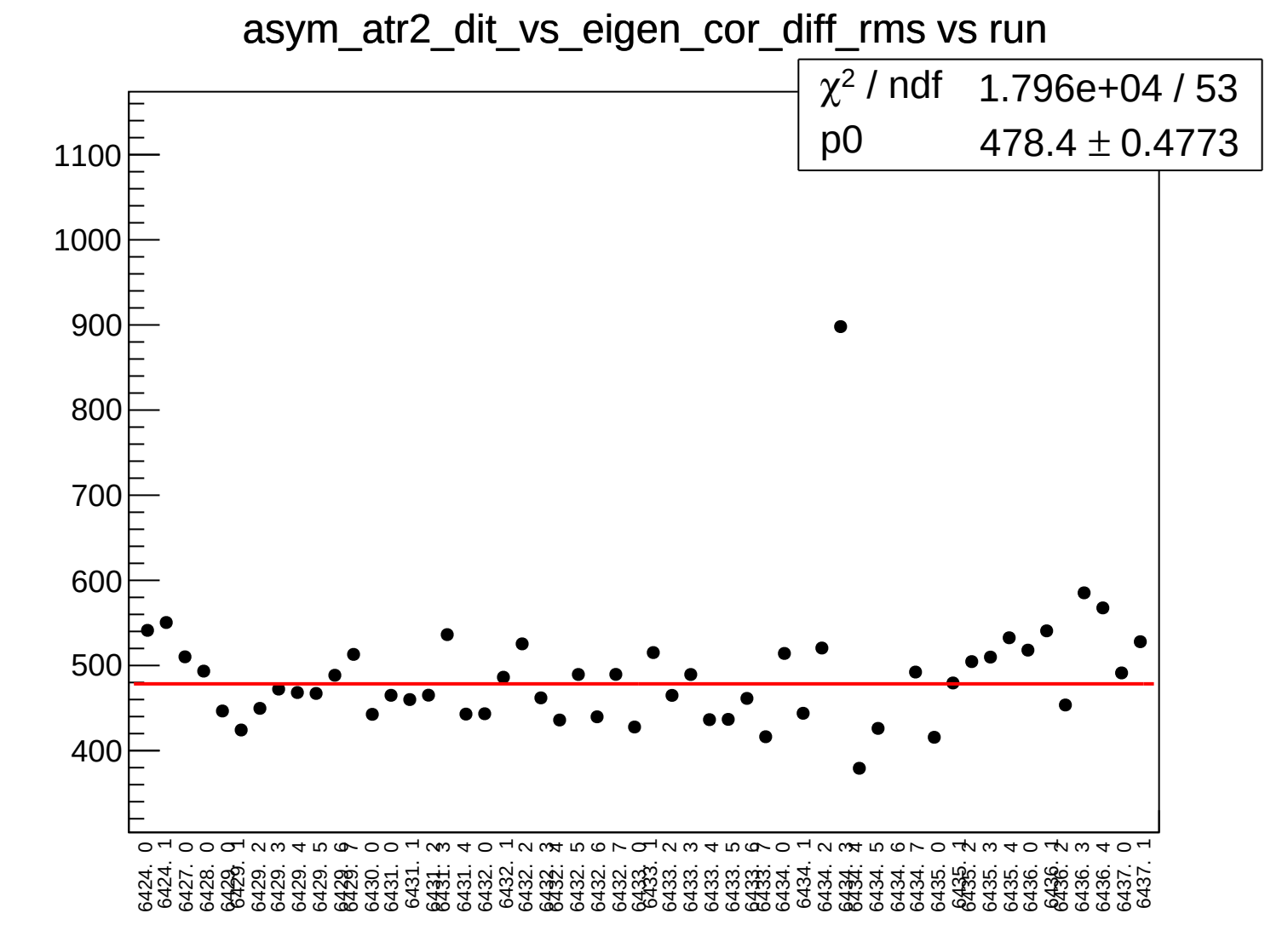

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 74.92 / 53
p0 −0.8725 ± 0.6751
pull
Entries 54
Mean −379.2
Std Dev 0

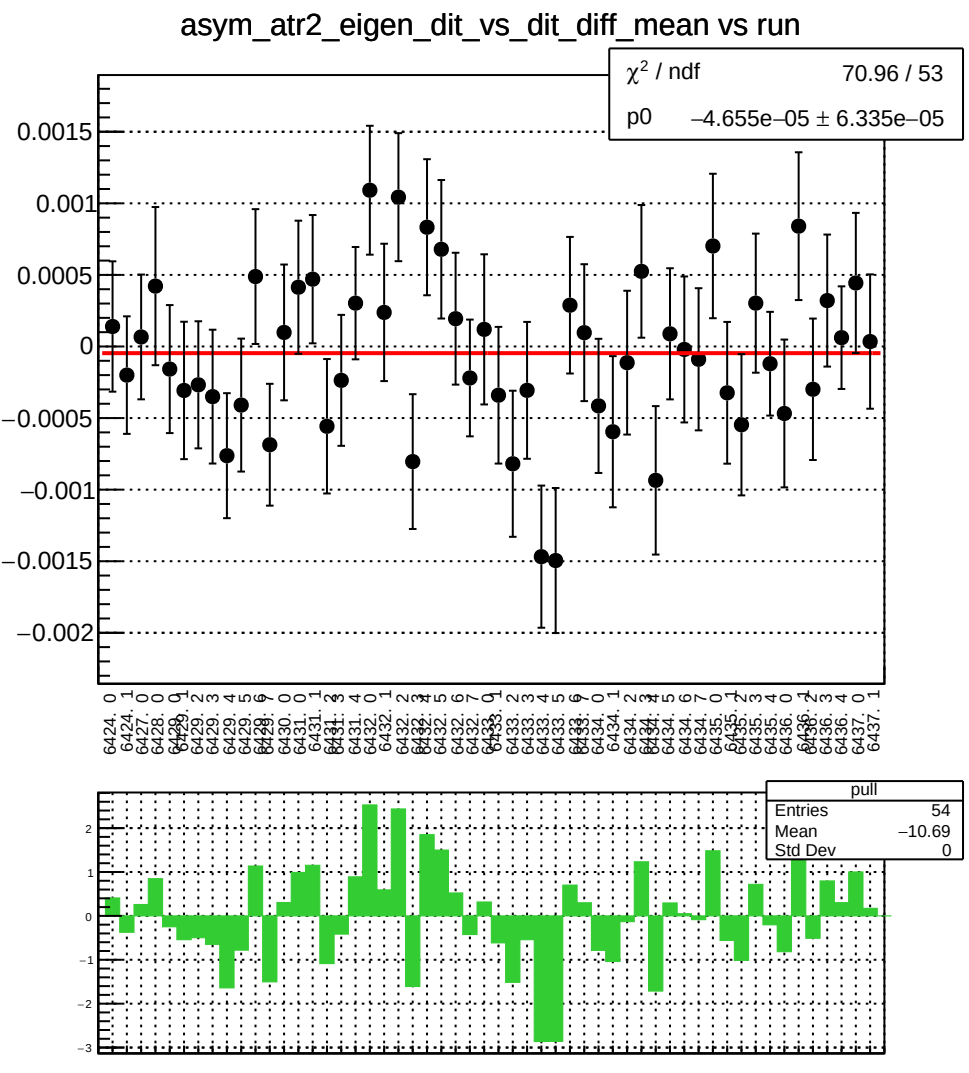

pull1D
Entries 54
Mean 0.01048
Std Dev 1.178

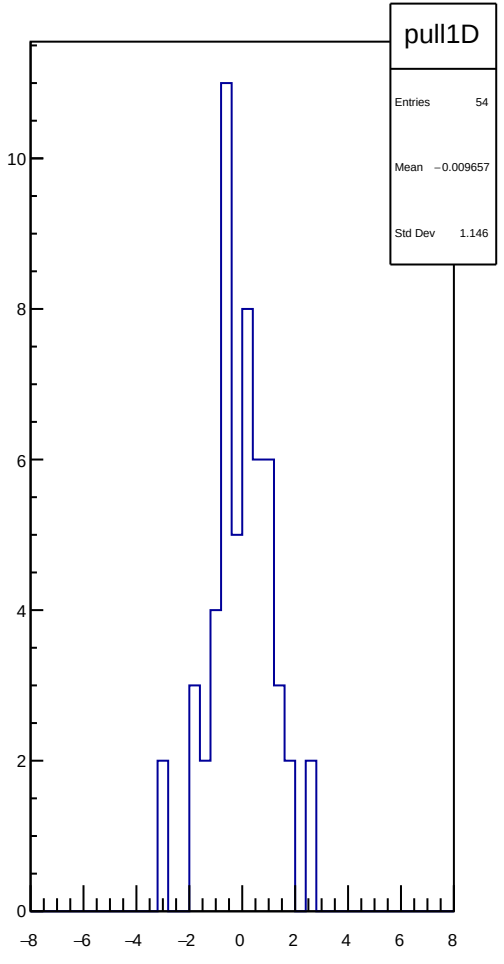

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.796e+04 / 53
p0 478.4 ± 0.4773
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

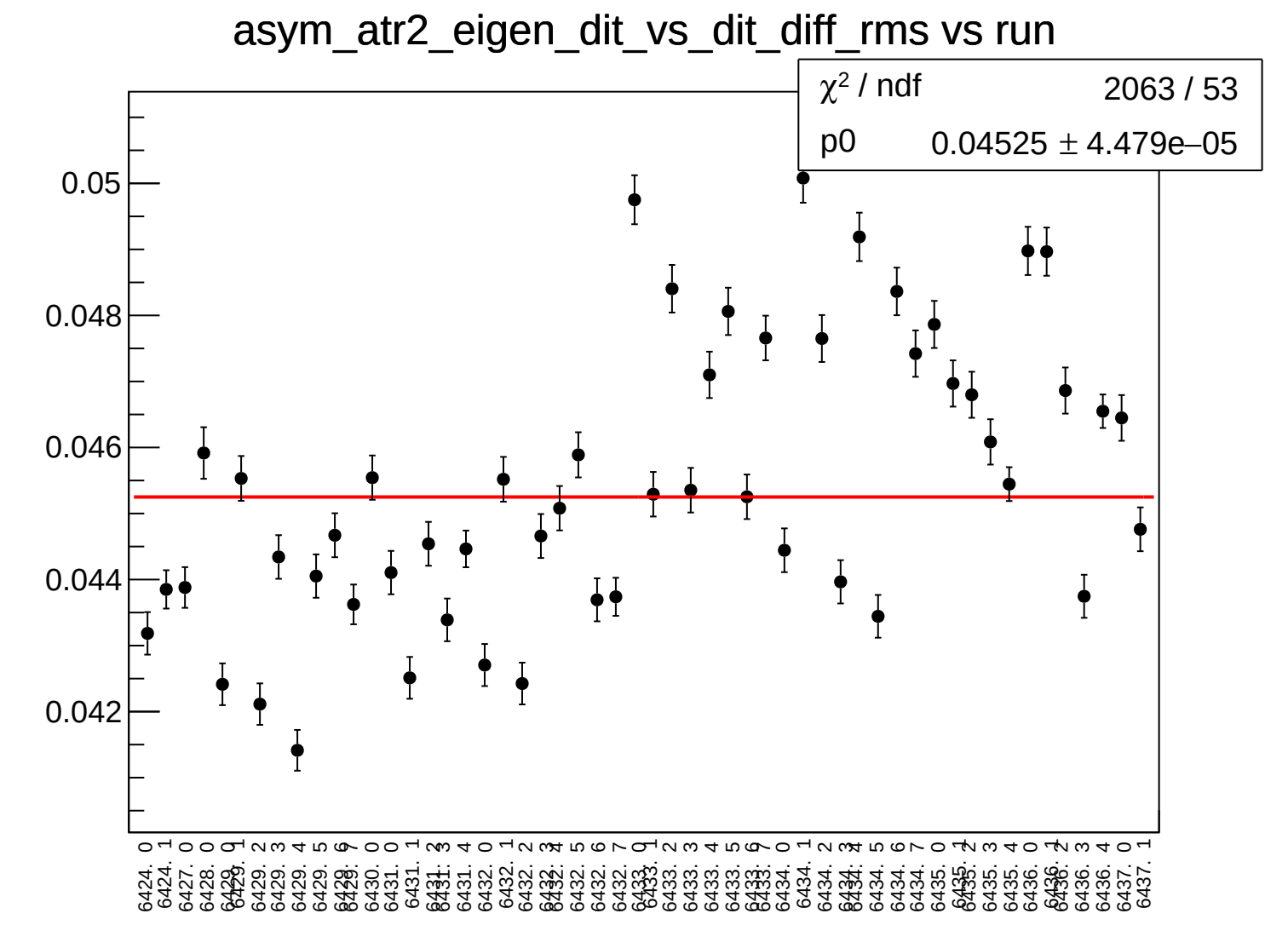

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.92 / 53
p0 −0.8725 ± 0.6751
pull
Entries 54
Mean −379.2
Std Dev 0

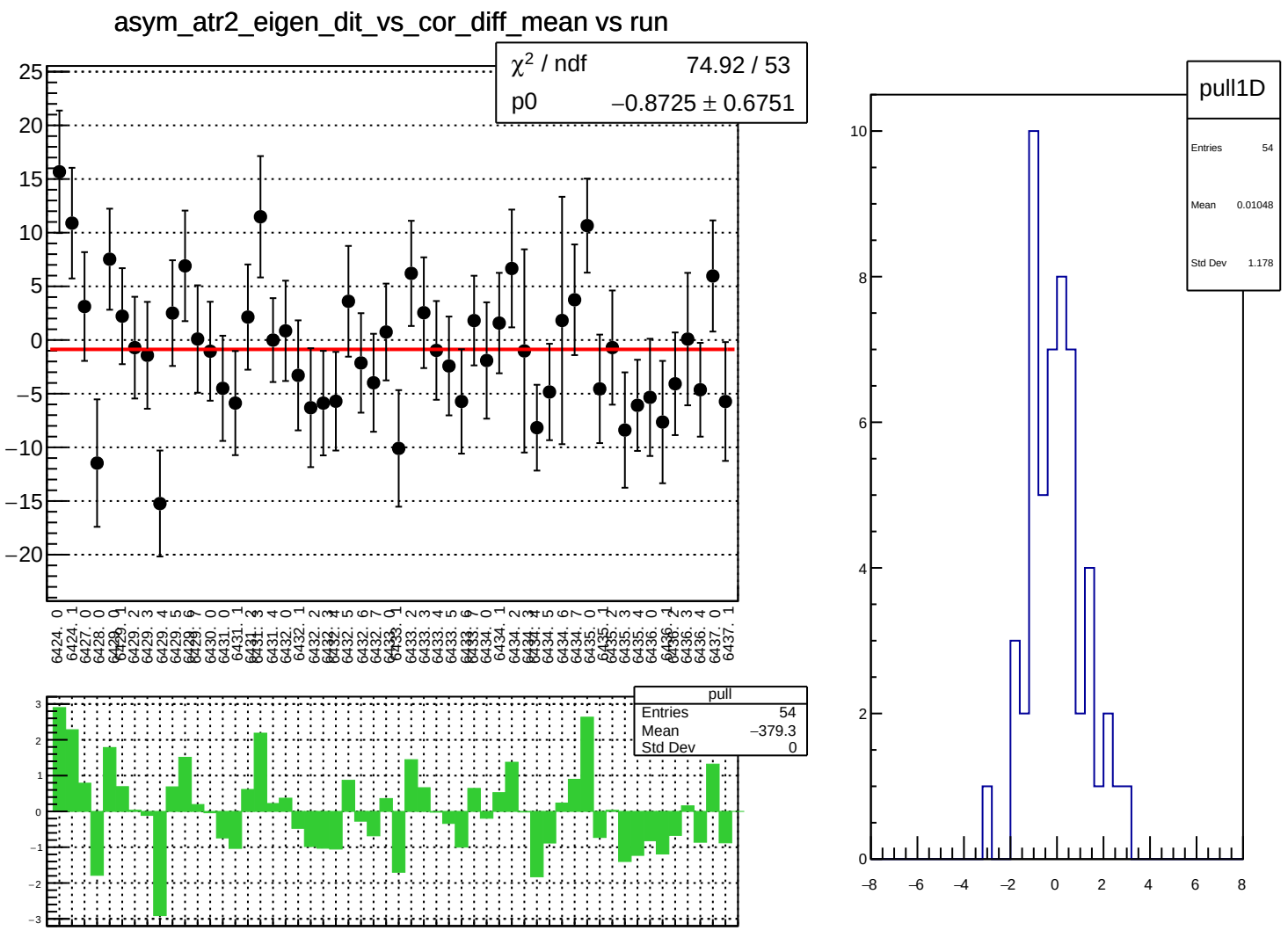

pull1D
Entries 54
Mean 0.01048
Std Dev 1.178

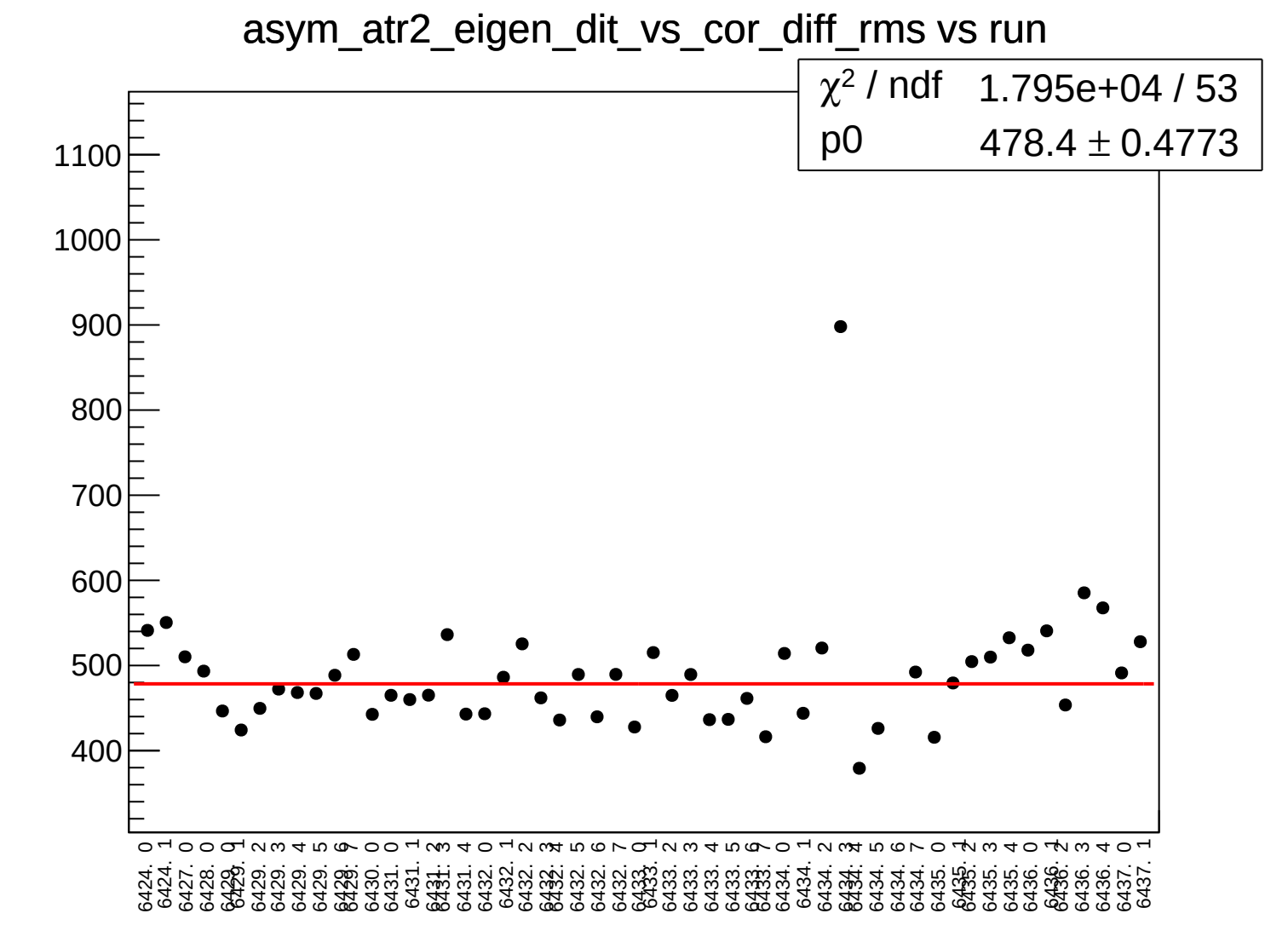

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.796e+04 / 53
p0 478.4 ± 0.4773
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

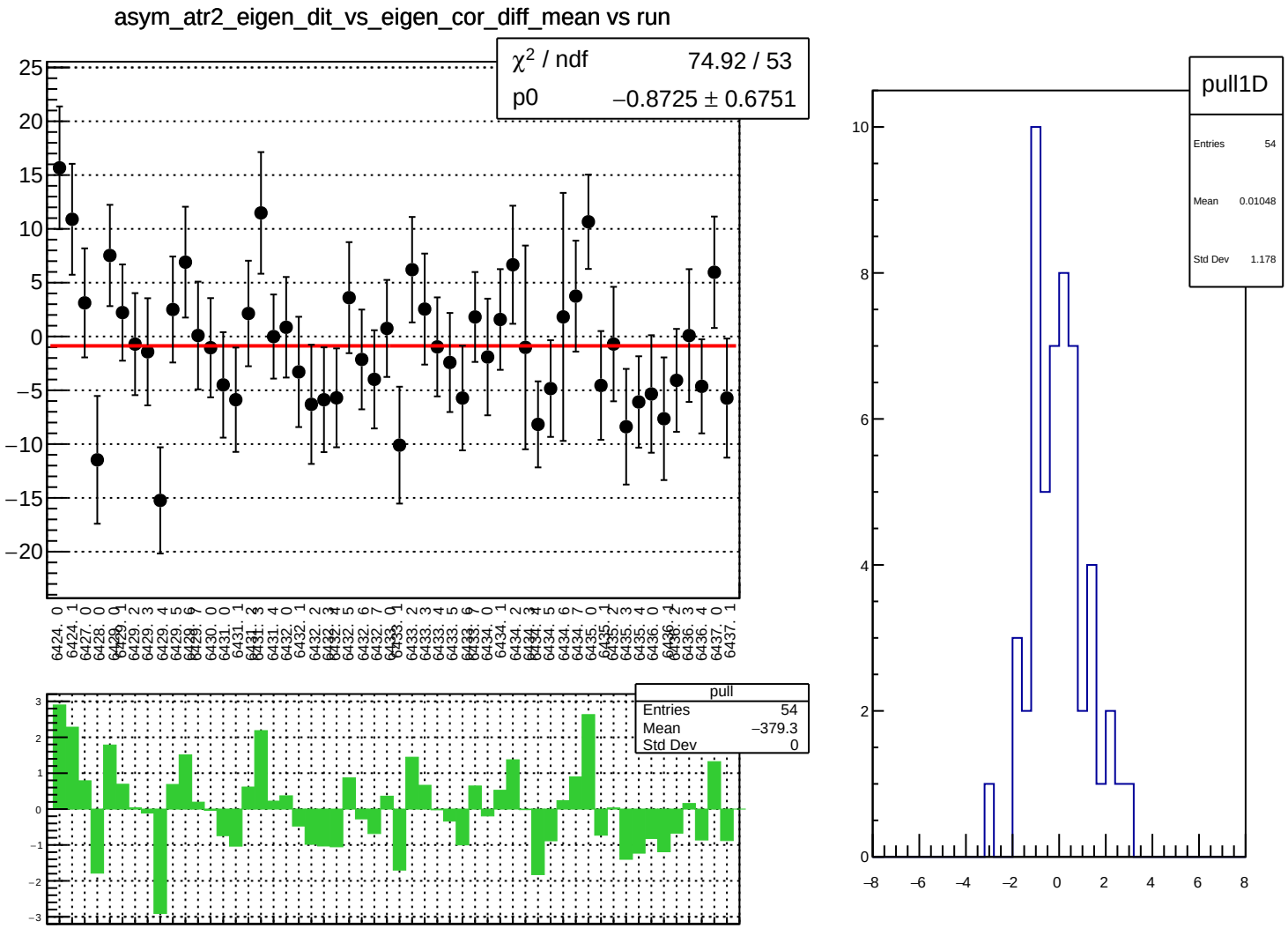

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 70.96 / 53
p0 −4.655e−05 ± 6.335e−05
pull
Entries 54
Mean −10.69
Std Dev 0

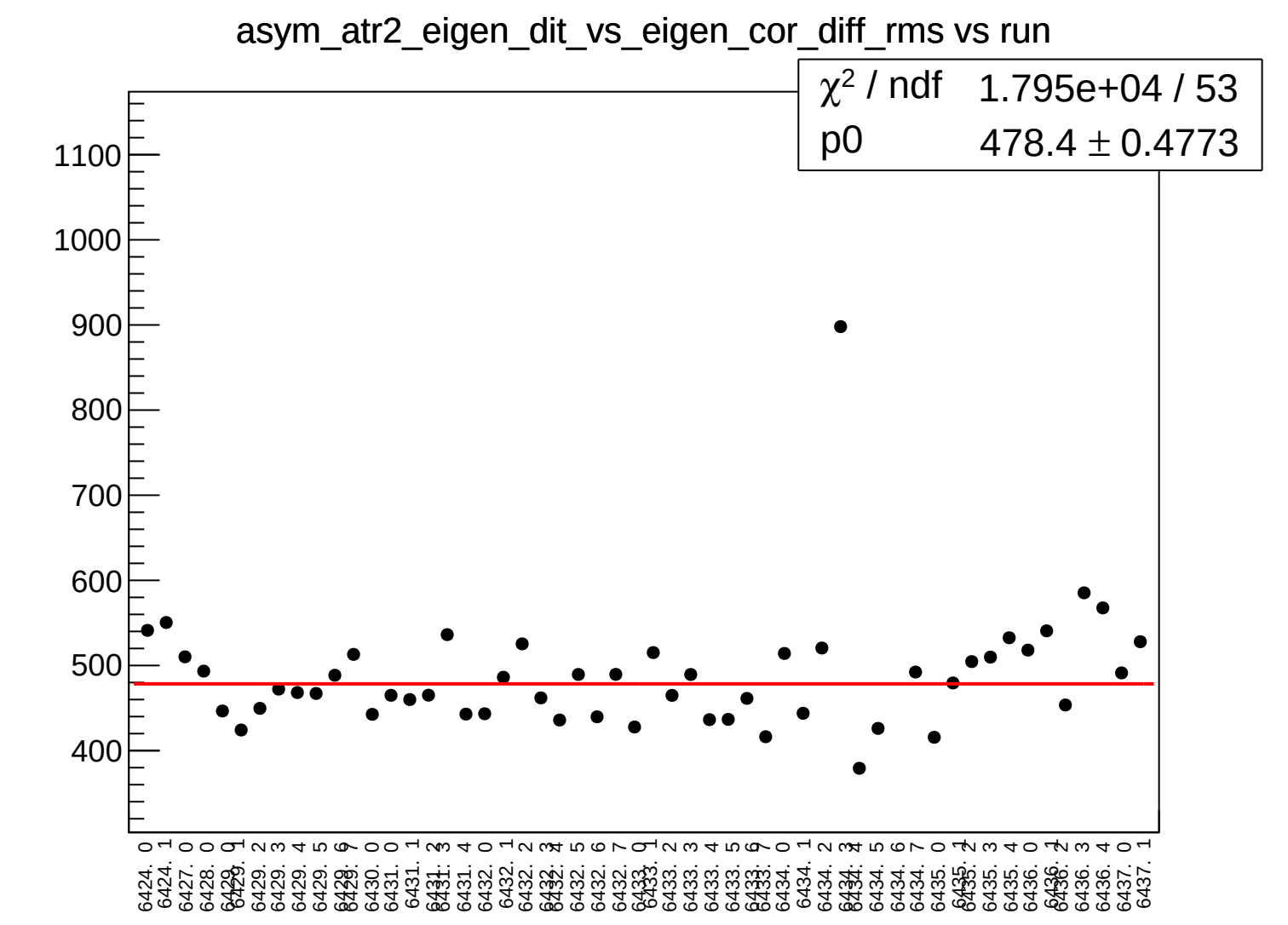

pull1D
Entries 54
Mean −0.009657
Std Dev 1.146

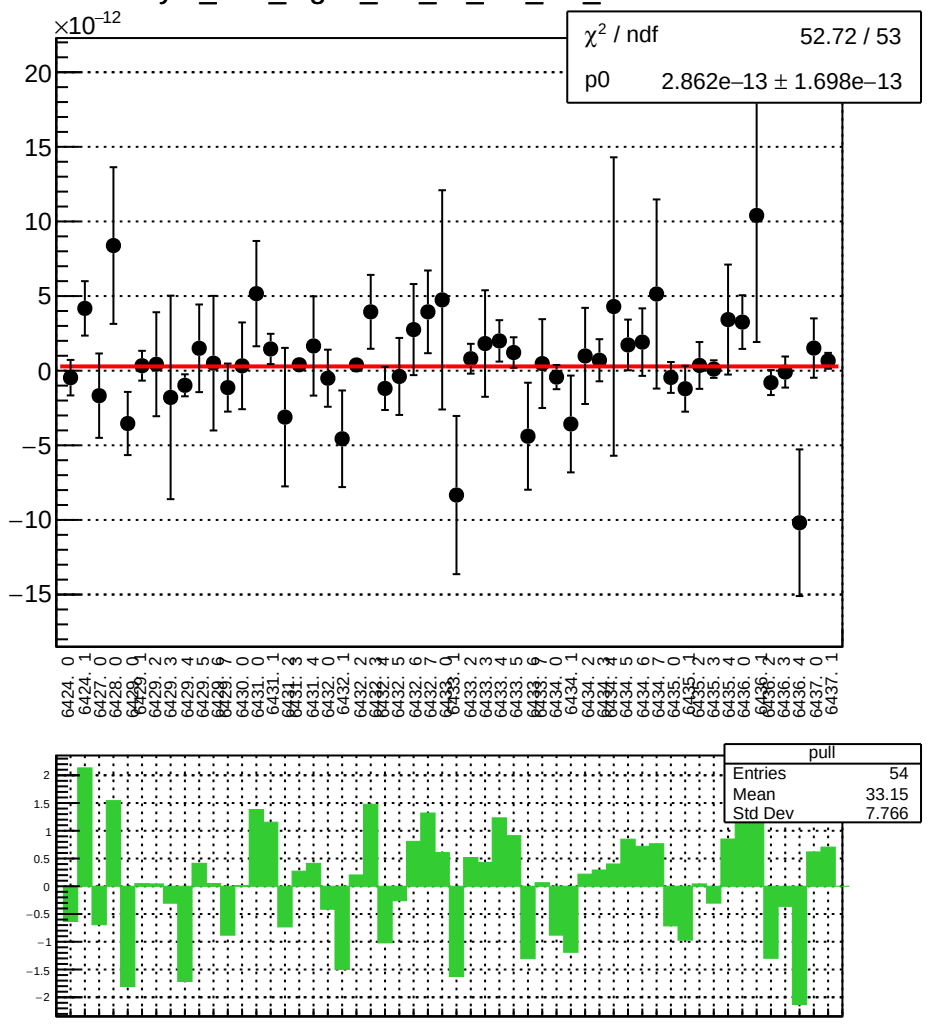

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2063 / 53
p0 0.04525 ± 4.479e−05
0.05
0.048
0.046
0.044
0.042
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

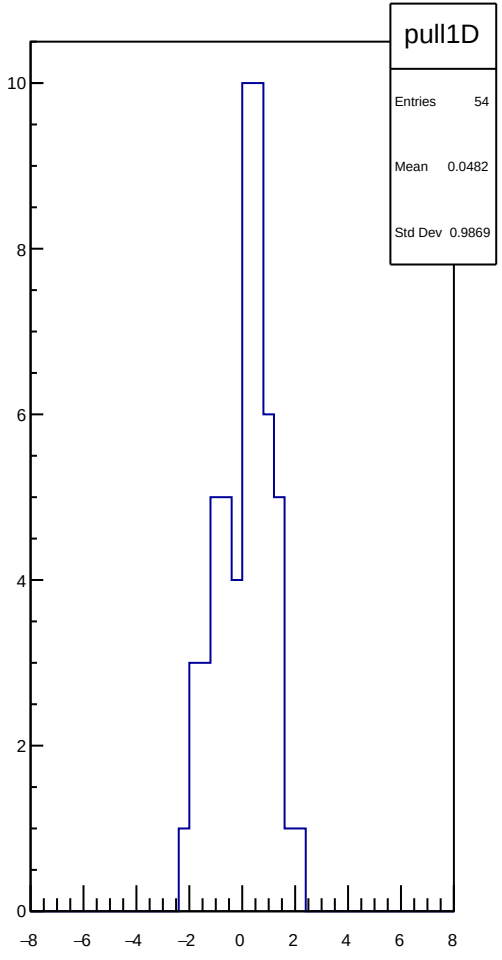

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.92 / 53
p0 −0.8725 ± 0.6751
pull
Entries 54
Mean −379.3
Std Dev 0
pull1D
Entries 54
Mean 0.01048
Std Dev 1.178

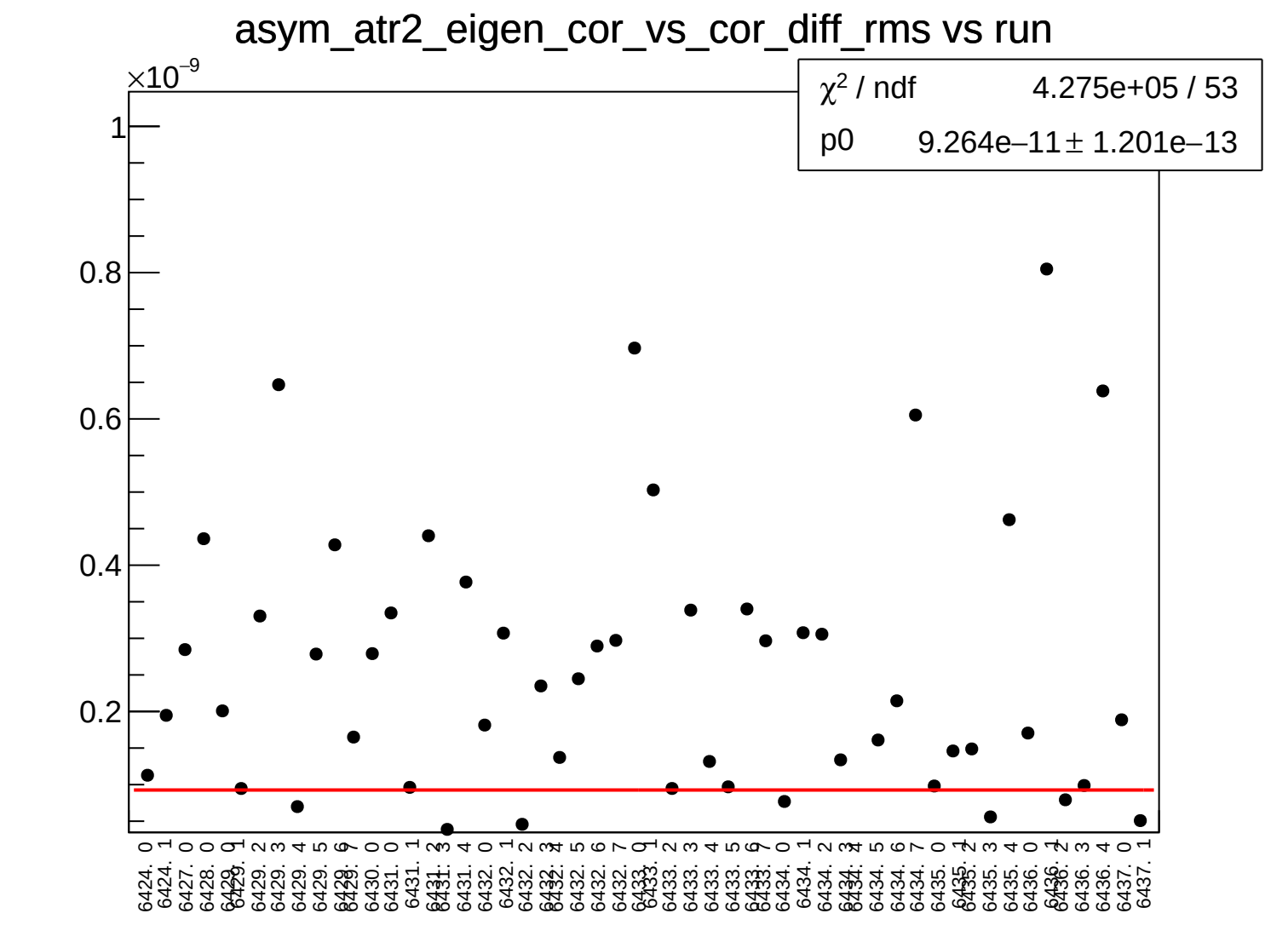

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.795e+04 / 53
p0 478.4 ± 0.4773
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

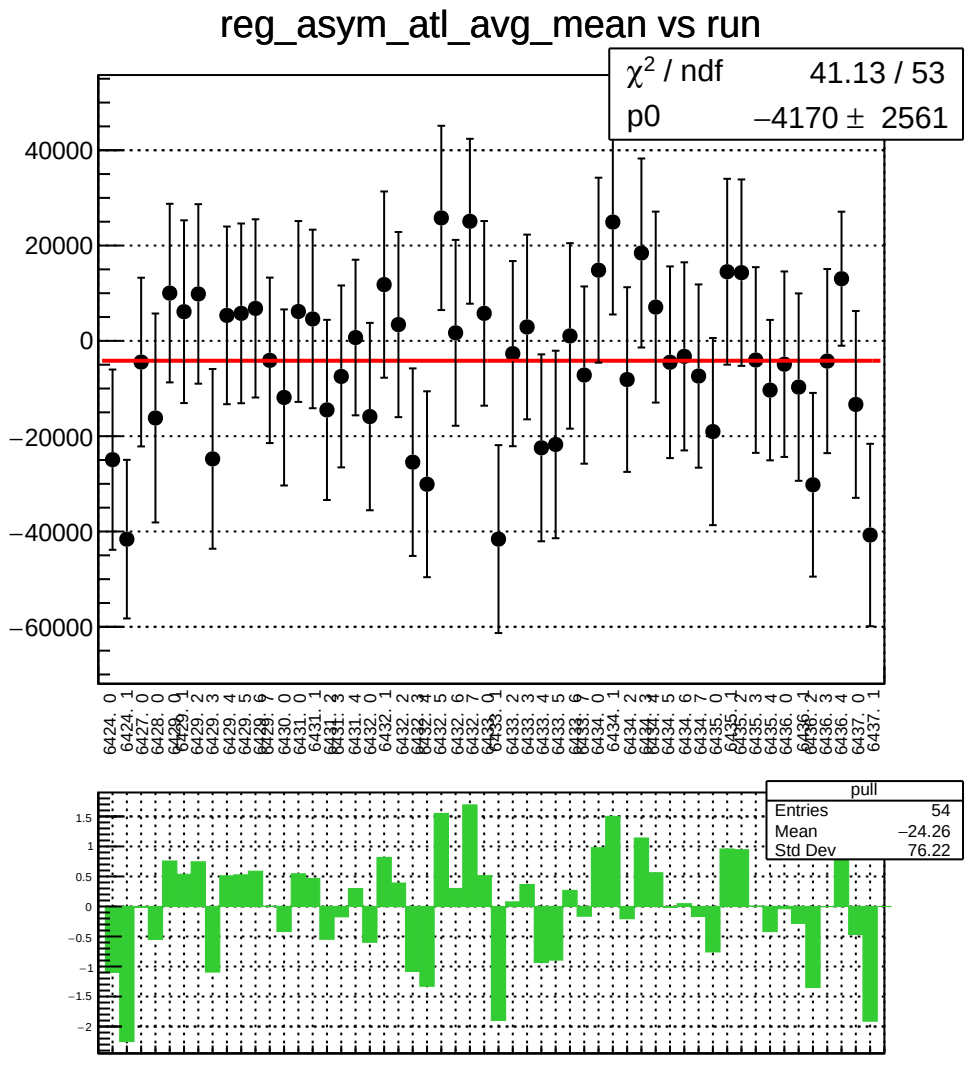

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.92 / 53
p0 −0.8725 ± 0.6751
pull
Entries 54
Mean −379.3
Std Dev 0
pull1D
Entries 54
Mean 0.01048
Std Dev 1.178

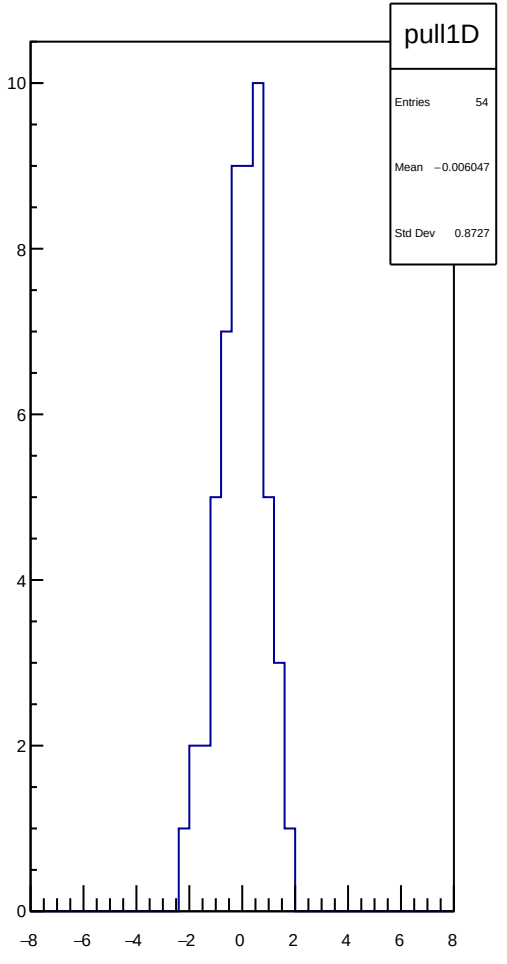

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.795e+04 / 53
p0 478.4 ± 0.4773
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

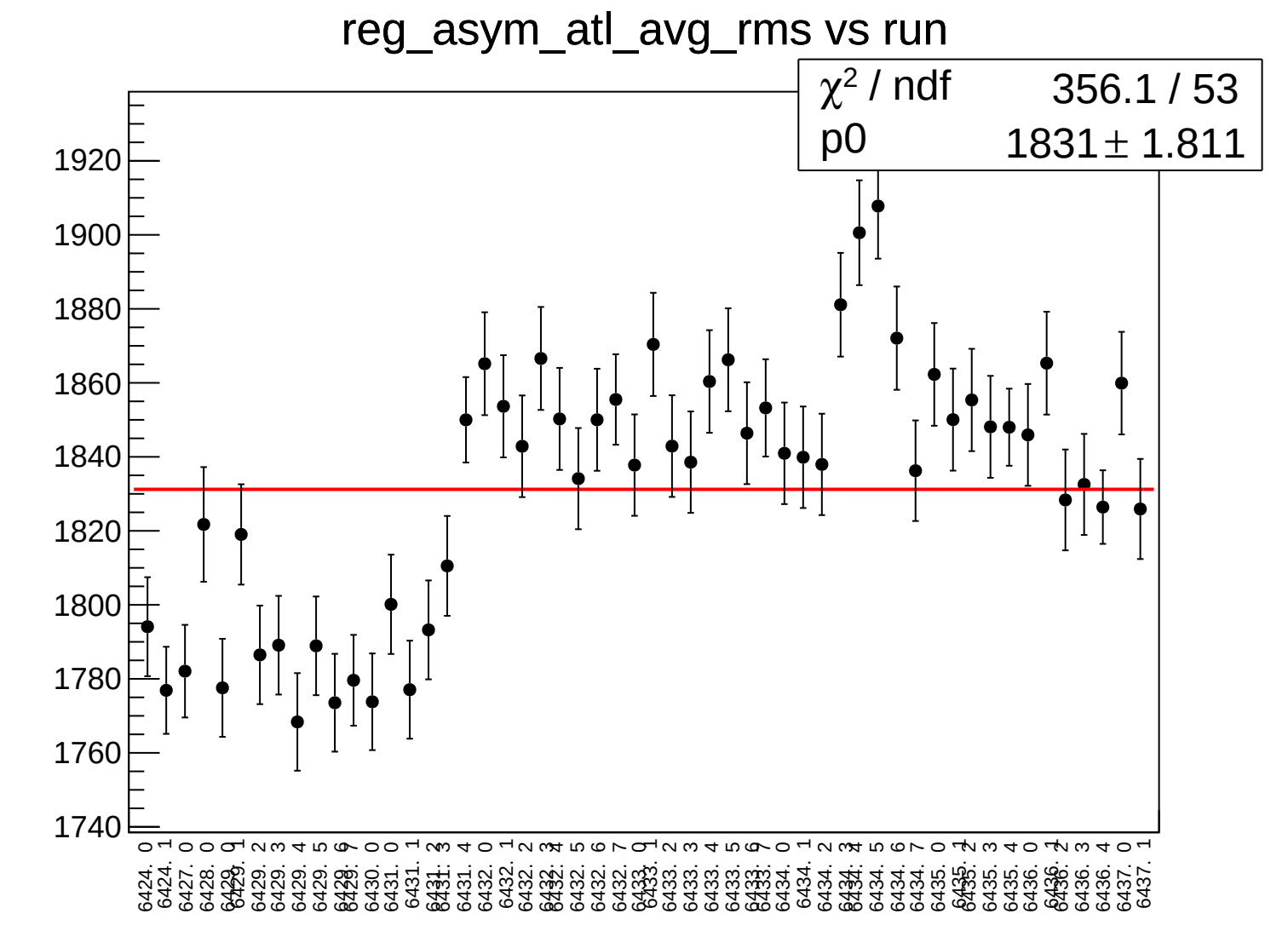

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.72 / 53
p0 2.862e−13 ± 1.698e−13
pull
Entries 54
Mean 33.15
Std Dev 7.766

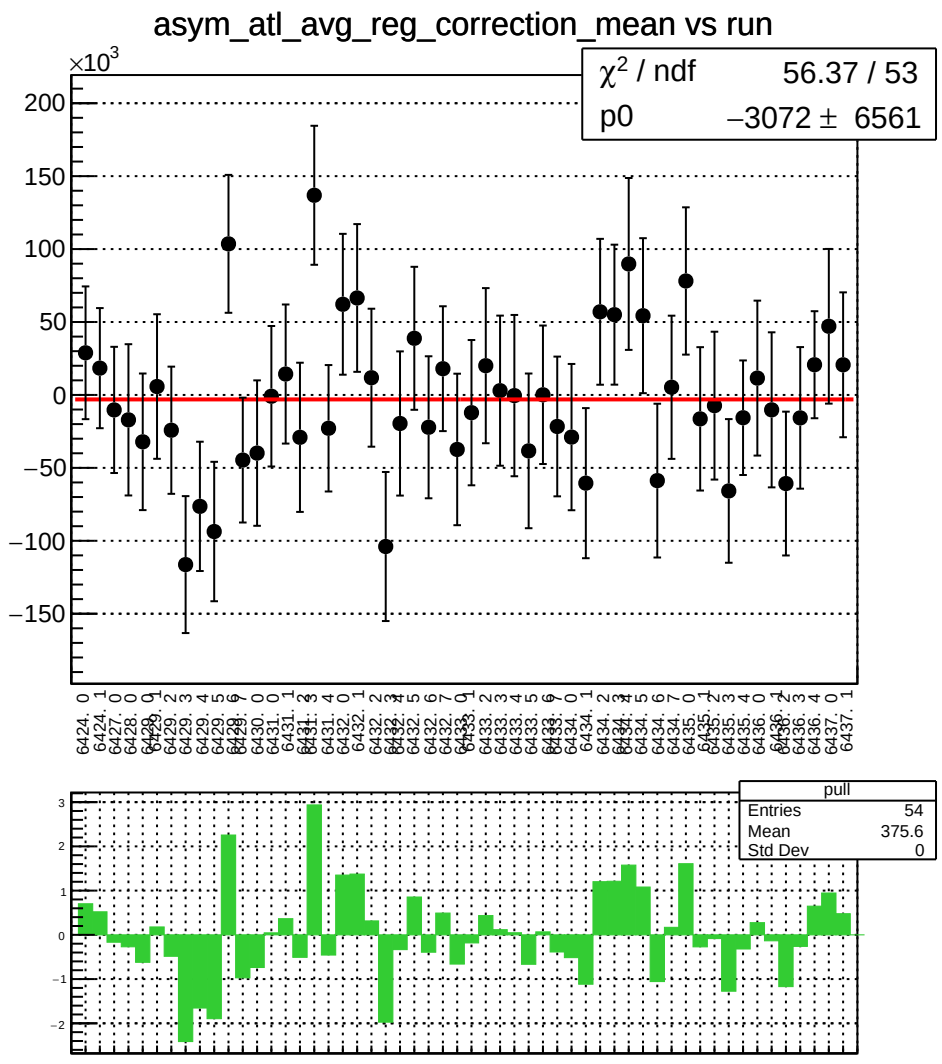

pull1D
Entries 54
Mean 0.0482
Std Dev 0.9869

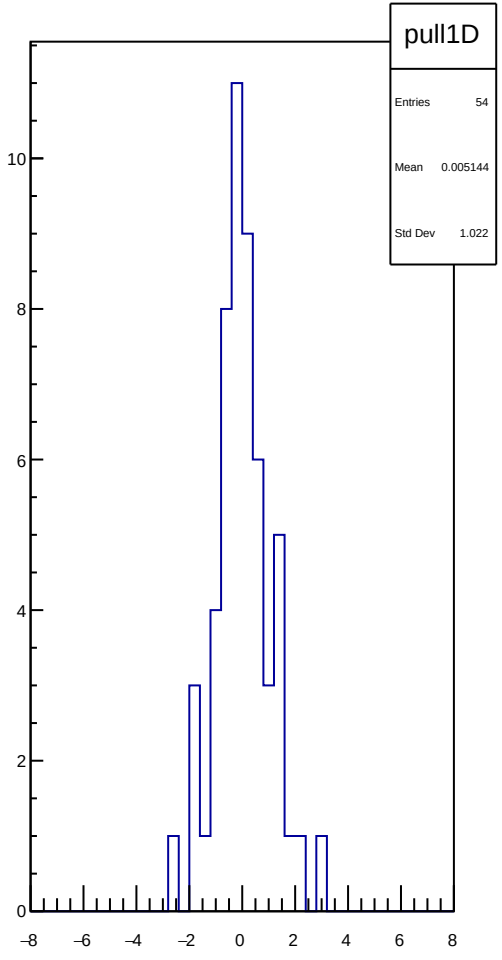

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.275e+05 / 53
p0 9.264e−11 ± 1.201e−13
1
0.8
0.6
0.4
0.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

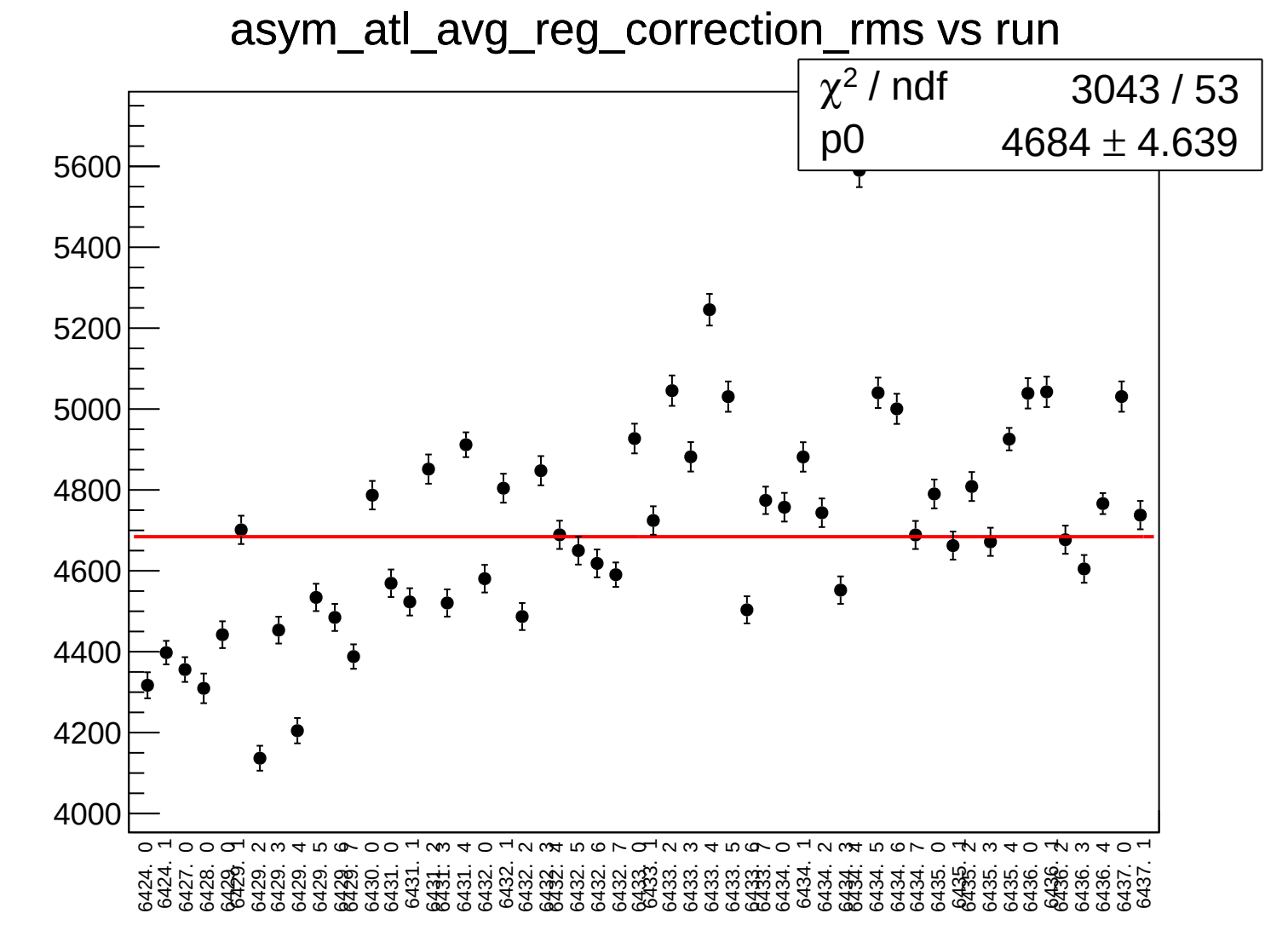

reg_asym_atl_avg_mean vs run
χ^2 / ndf 41.13 / 53
p0 −4170 ± 2561
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −24.26
Std Dev 76.22
1.5
1
0.5
0
−0.5
−1
−1.5
−2

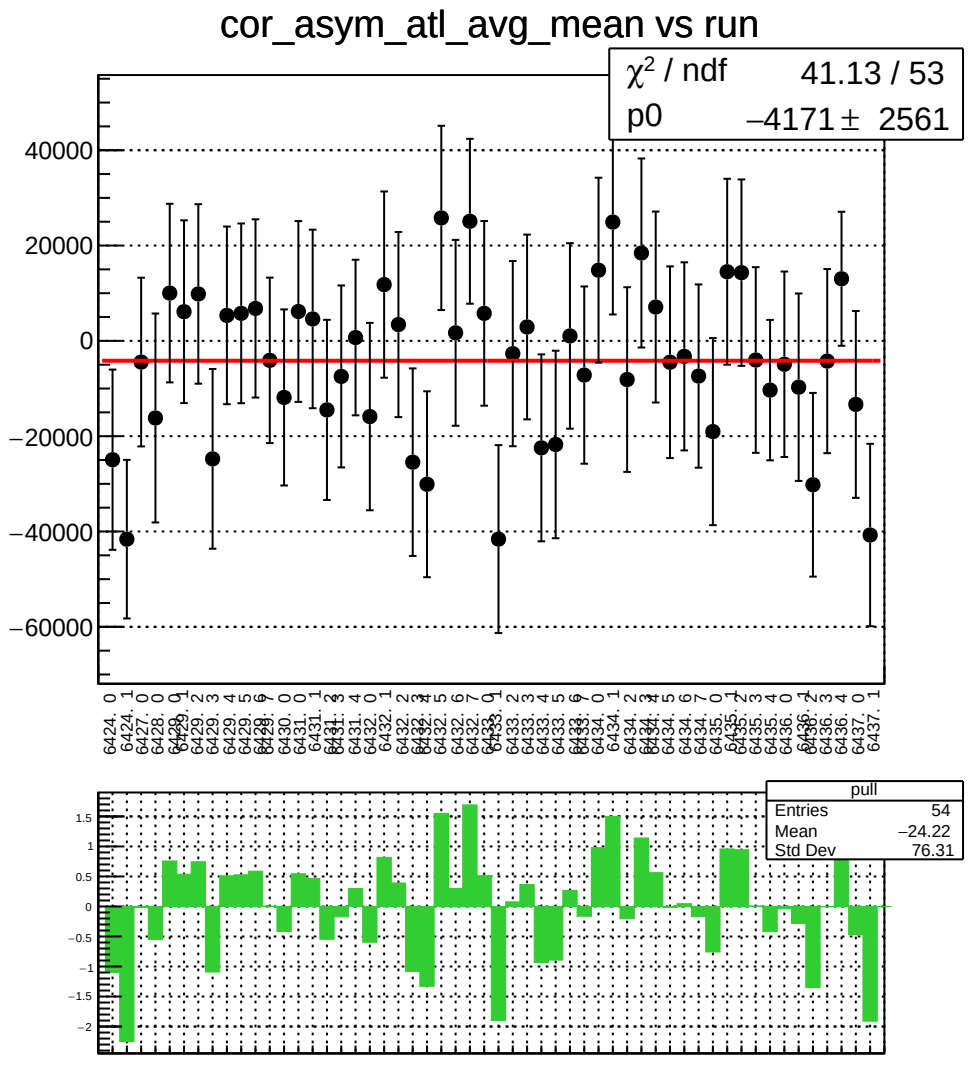

pull1D
Entries 54
Mean −0.006047
Std Dev 0.8727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

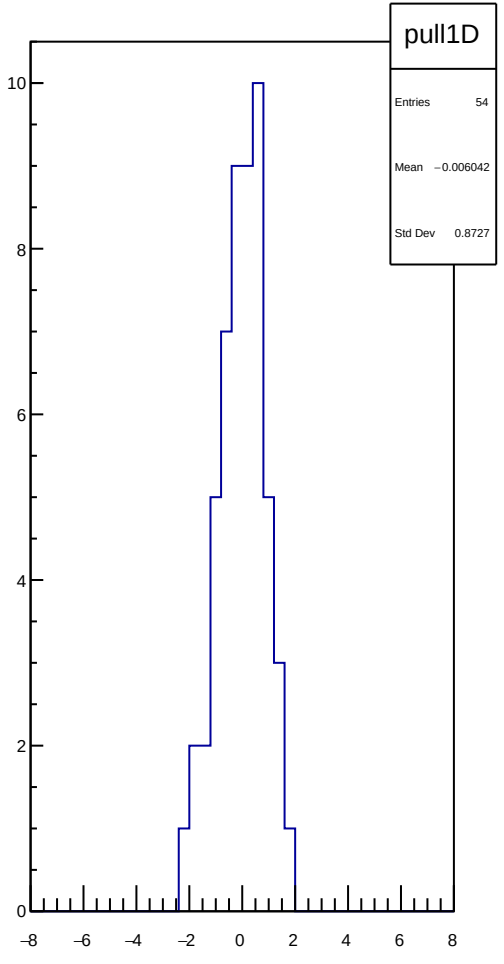

reg_asym_atl_avg_rms vs run
χ² / ndf 356.1 / 53
p0 1831 ± 1.811
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

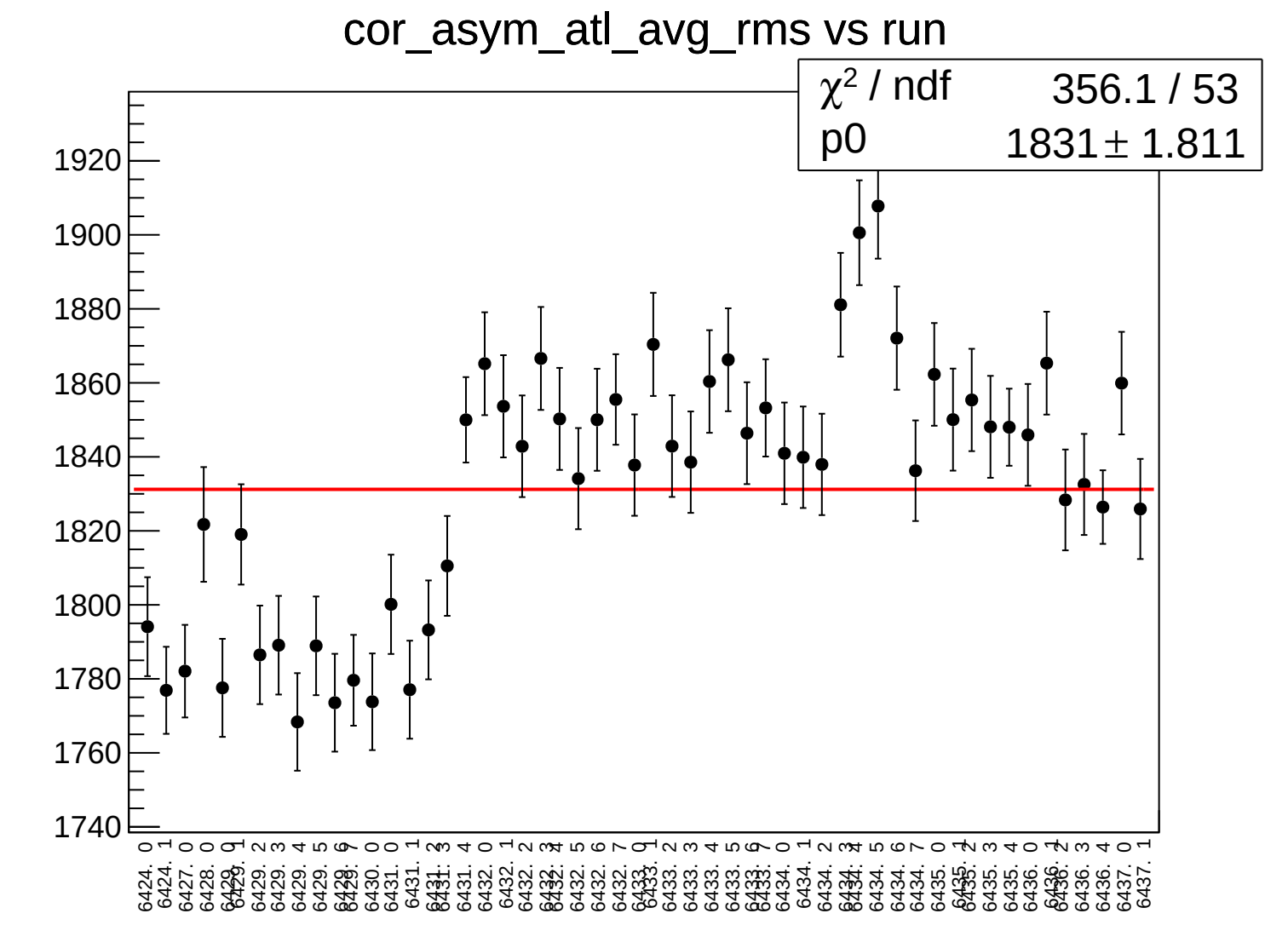

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.37 / 53
p0 −3072 ± 6561
pull
Entries 54
Mean 375.6
Std Dev 0

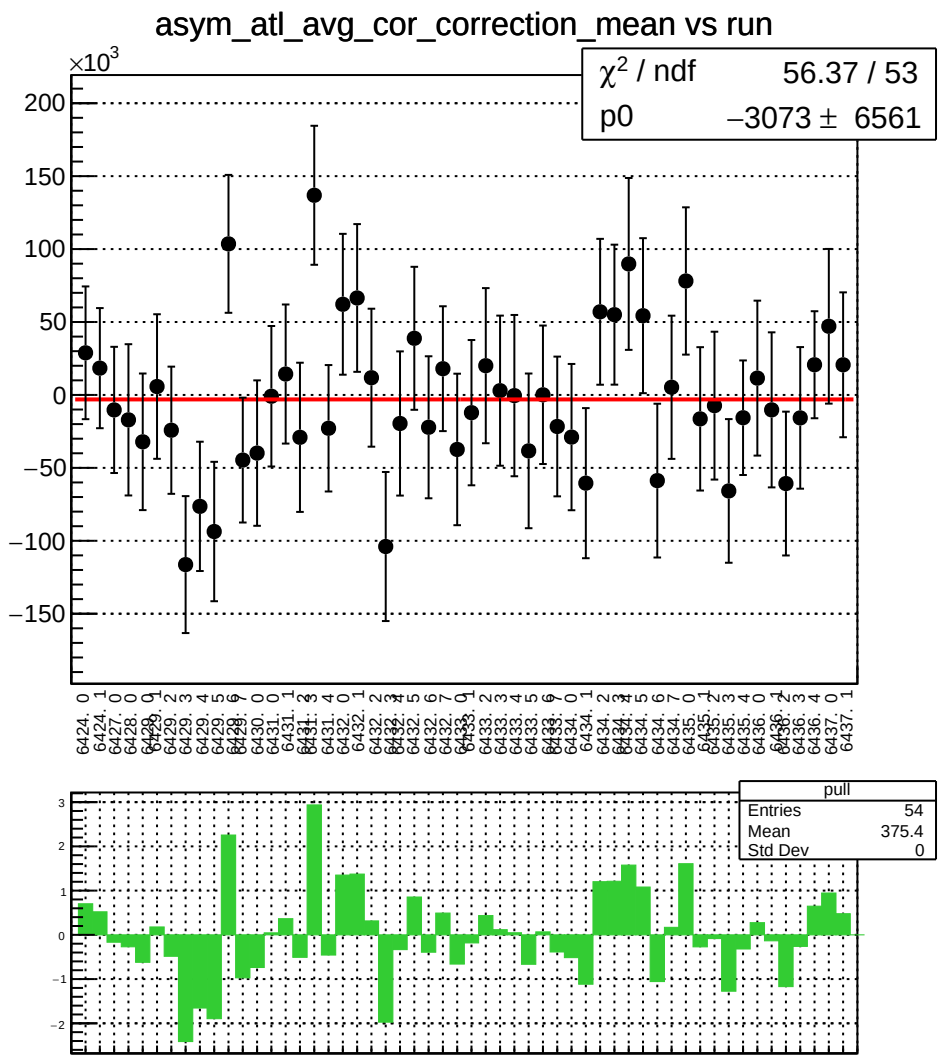

pull1D
Entries 54
Mean 0.005144
Std Dev 1.022

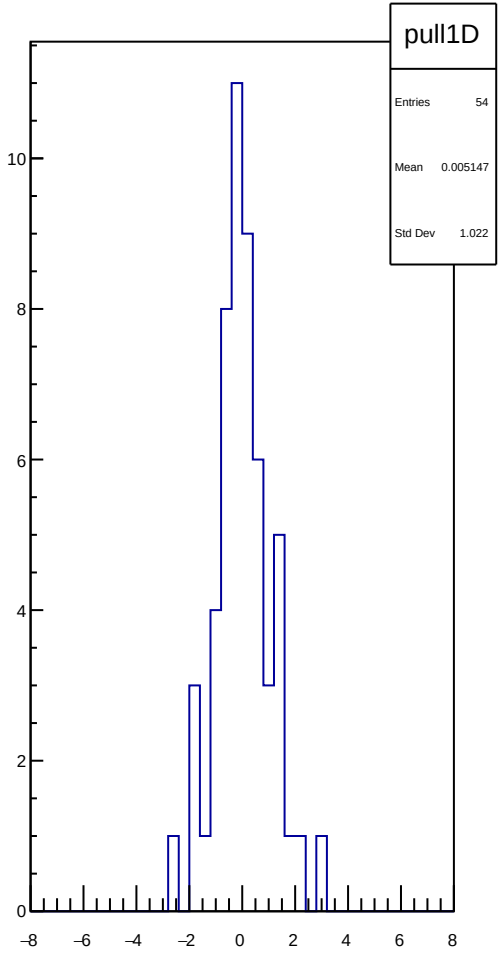

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 3043 / 53
p0 4684 ± 4.639
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

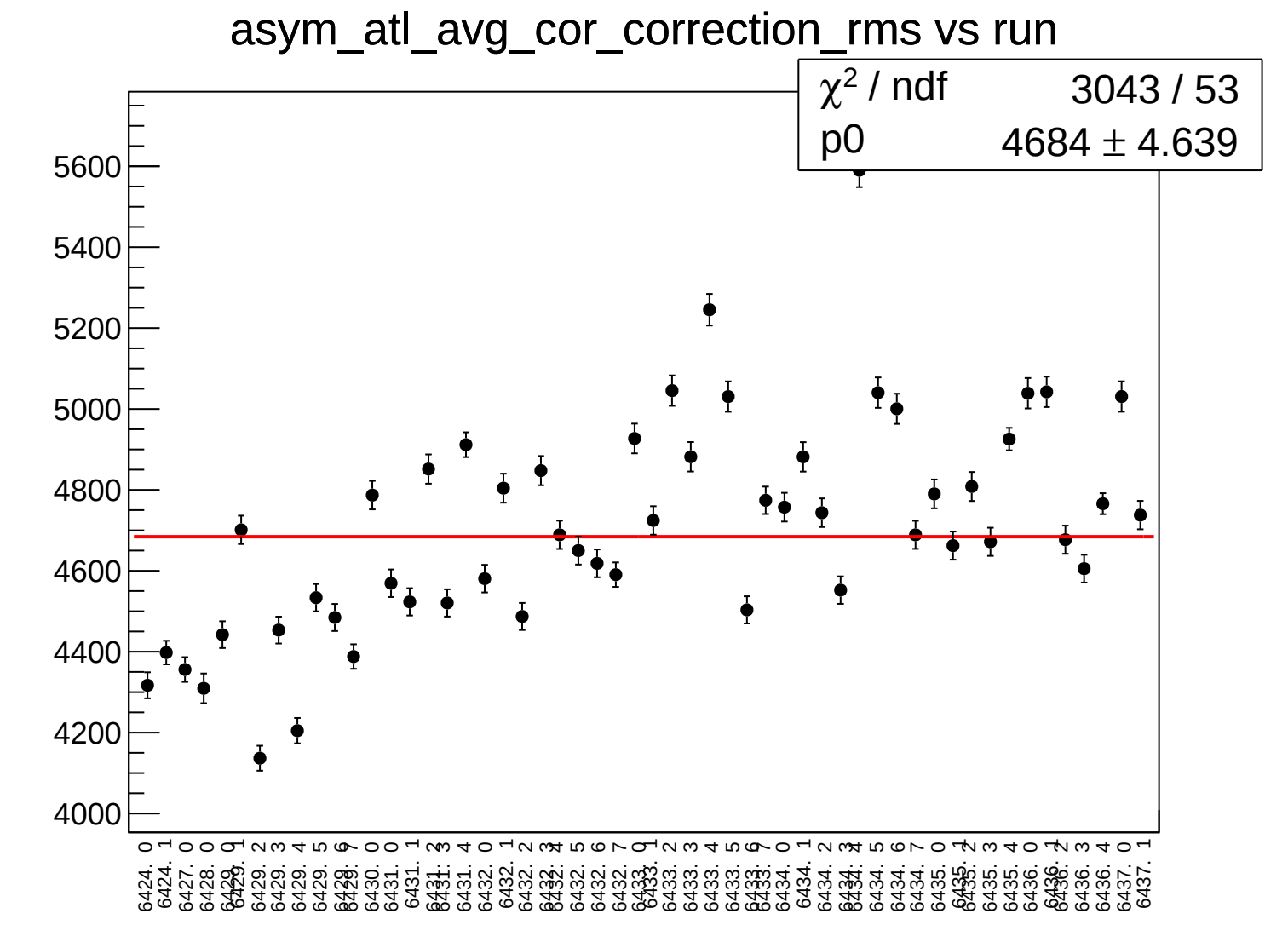

cor_asym_atl_avg_mean vs run
χ² / ndf 41.13 / 53
p0 −4171 ± 2561
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −24.22
Std Dev 76.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2

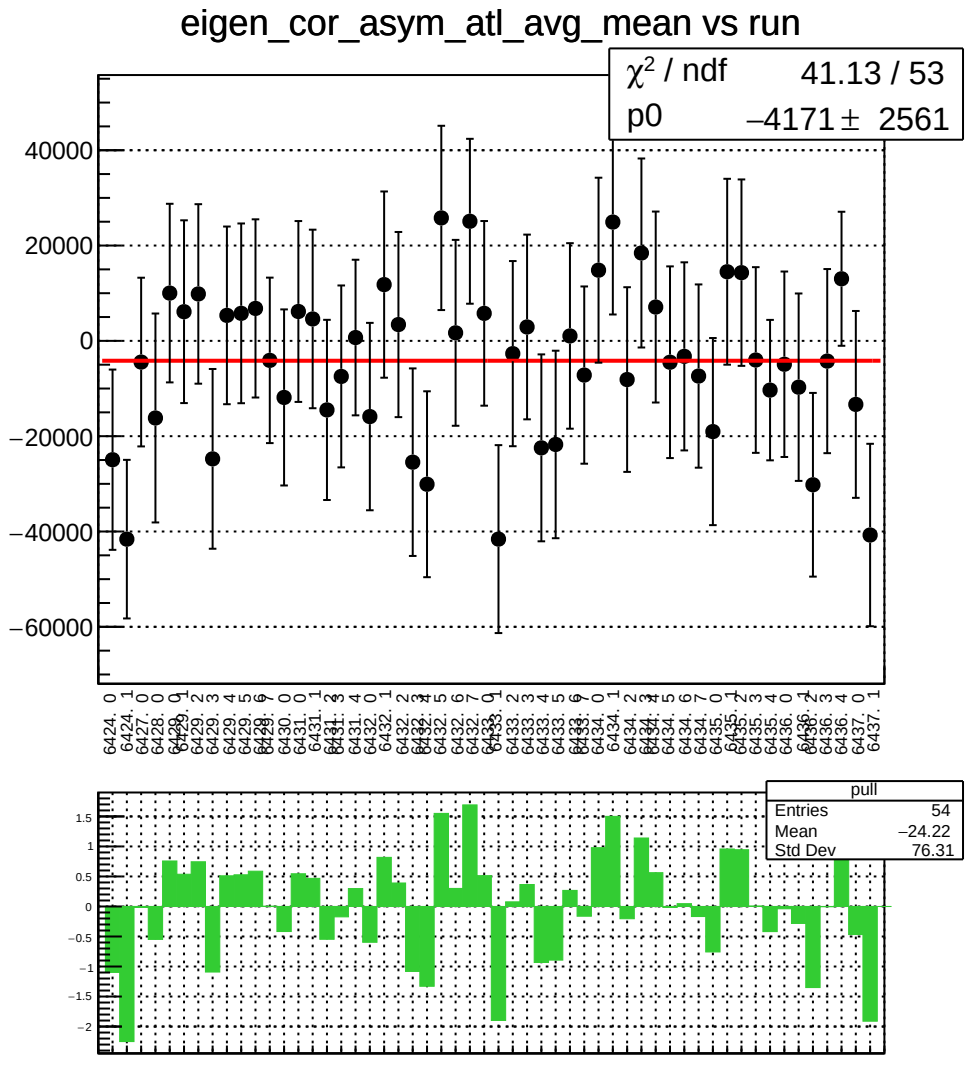

pull1D
Entries 54
Mean −0.006042
Std Dev 0.8727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

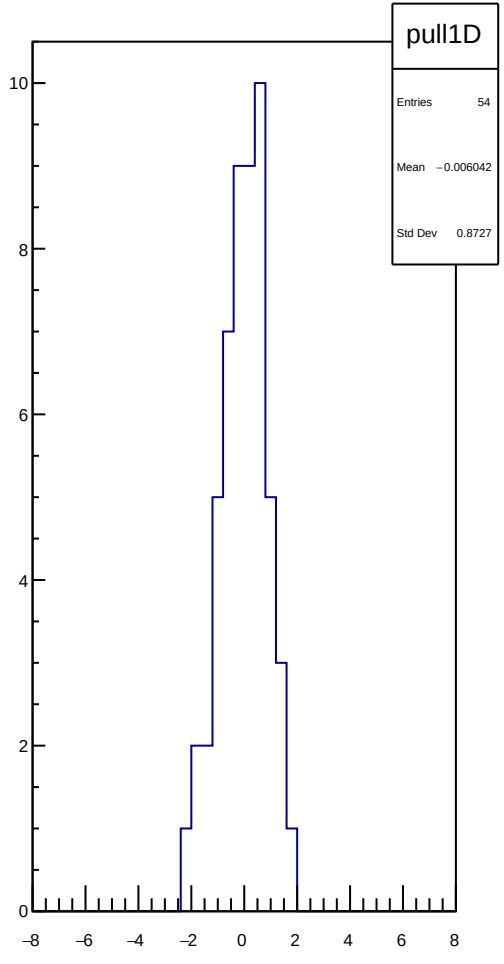

cor_asym_atl_avg_rms vs run
χ² / ndf 356.1 / 53
p0 1831 ± 1.811
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

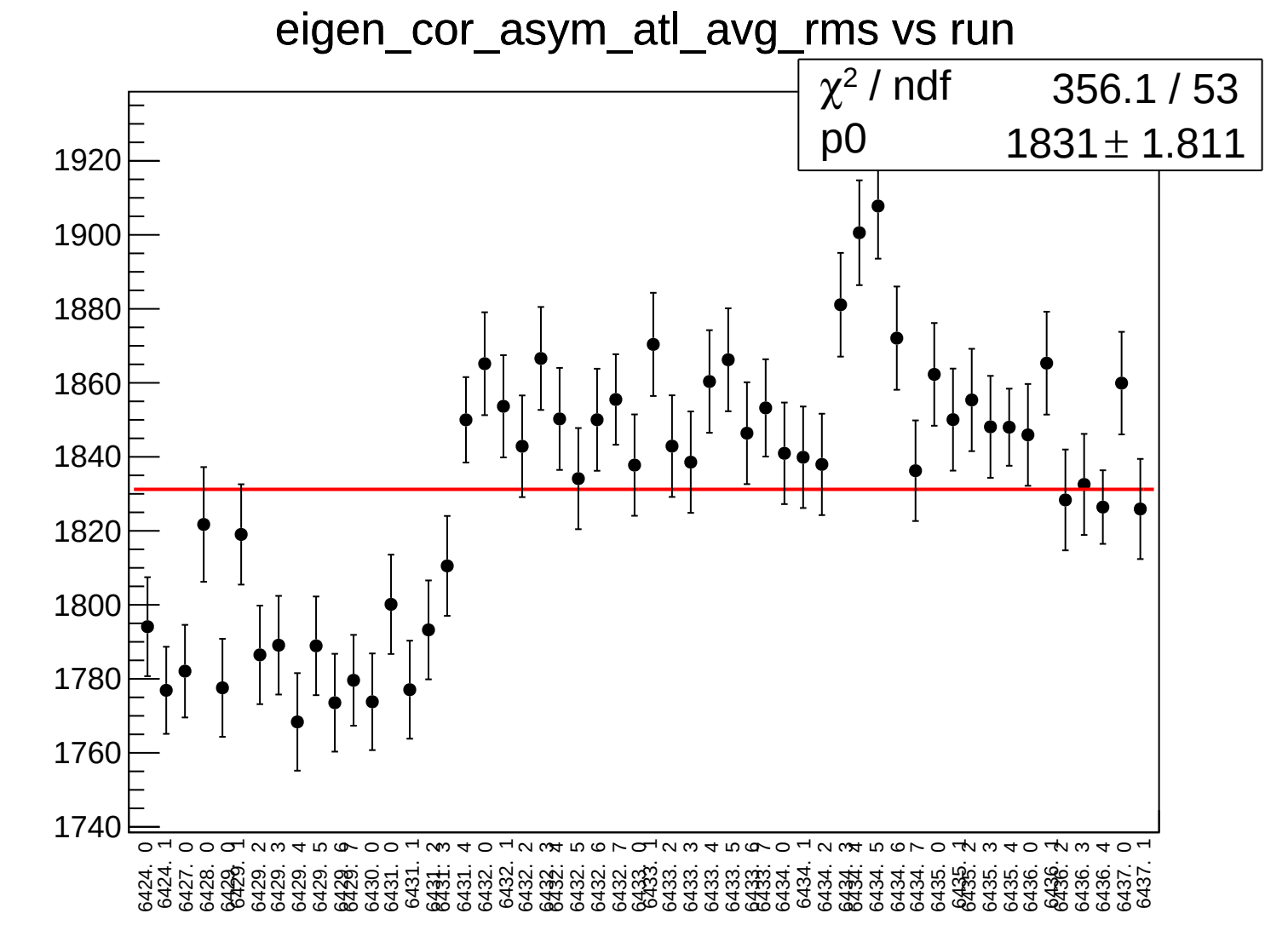

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.37 / 53
p0 −3073 ± 6561
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 375.4
Std Dev 0
3
2
1
0
−1
−2

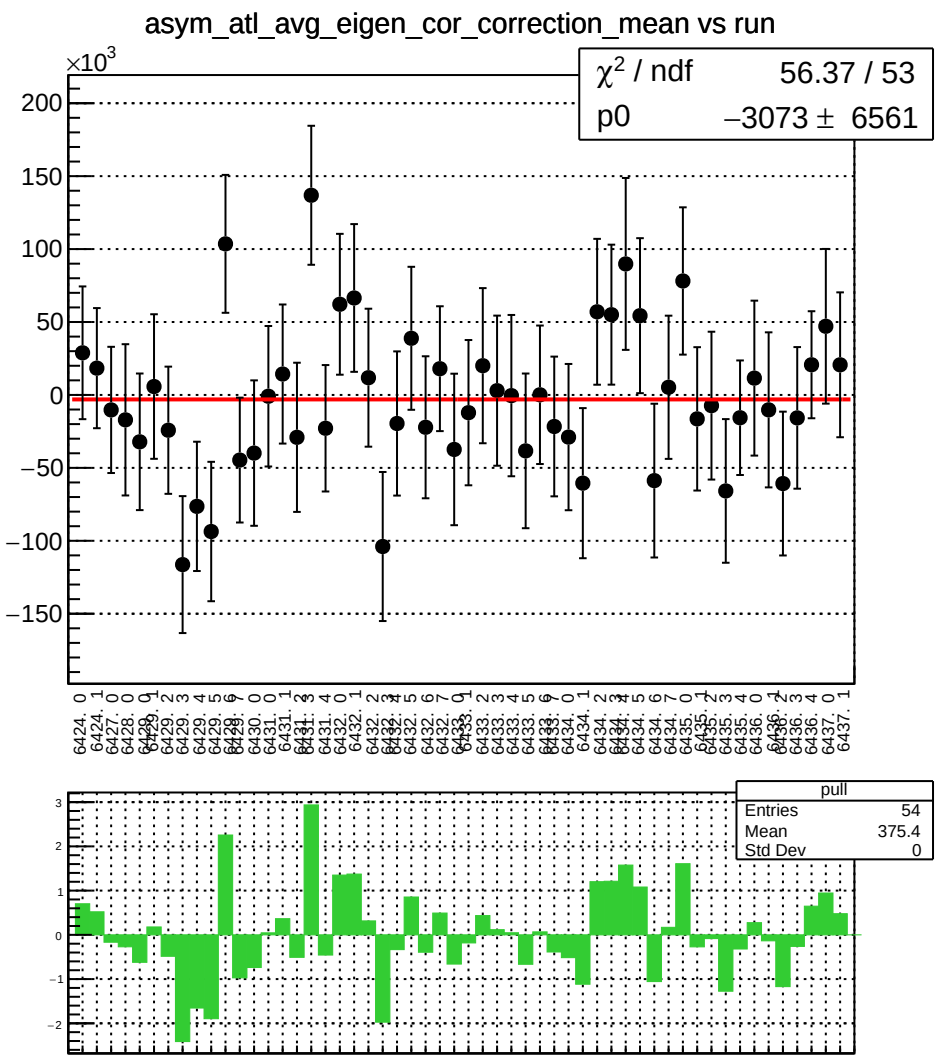

pull1D
Entries 54
Mean 0.005147
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

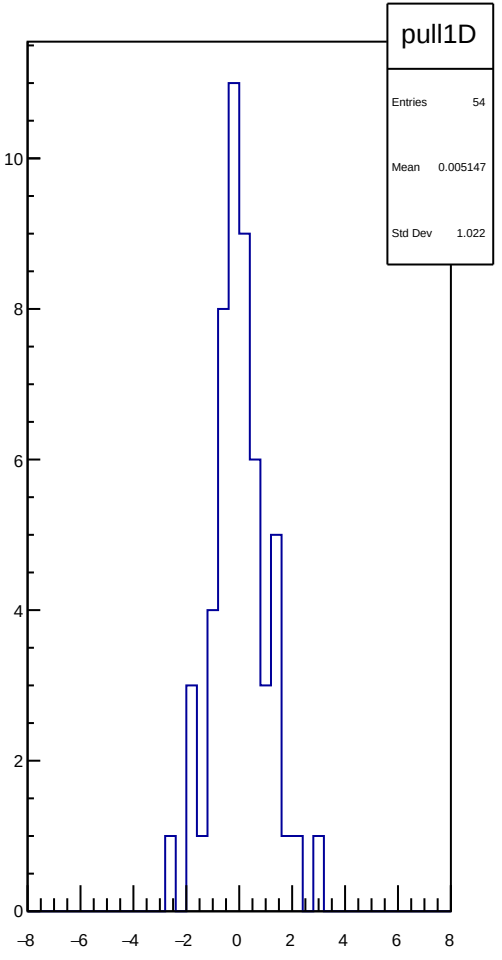

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 3043 / 53
p0 4684 ± 4.639
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

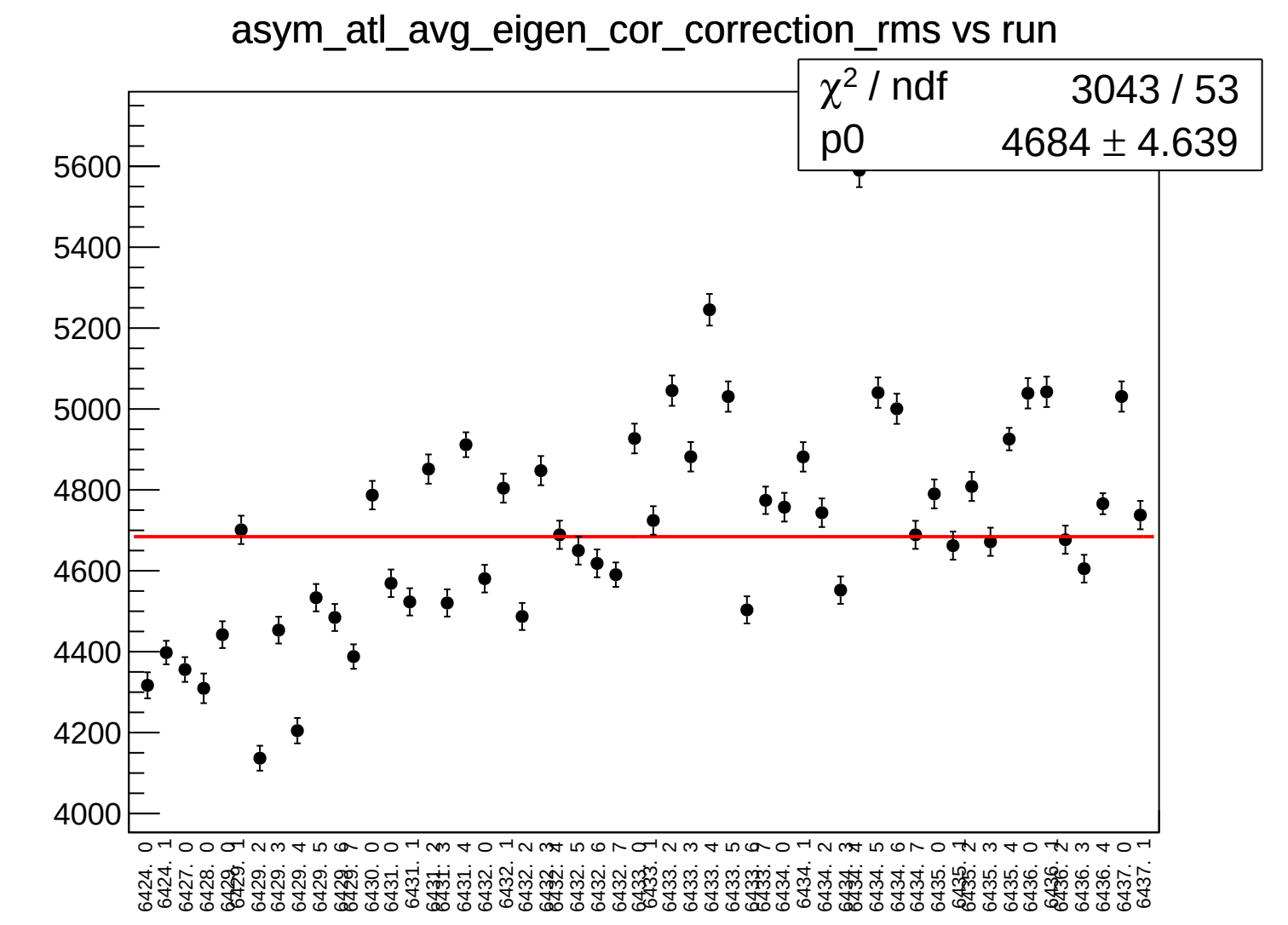

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 41.13 / 53
p0 −4171 ± 2561
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −24.22
Std Dev 76.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.006042
Std Dev 0.8727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 356.1 / 53
p0 1831 ± 1.811
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.37 / 53
p0 −3073 ± 6561
pull
Entries 54
Mean 375.4
Std Dev 0


pull1D
Entries 54
Mean 0.005147
Std Dev 1.022


asym_atl_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 3043 / 53
p0 4684 ± 4.639
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
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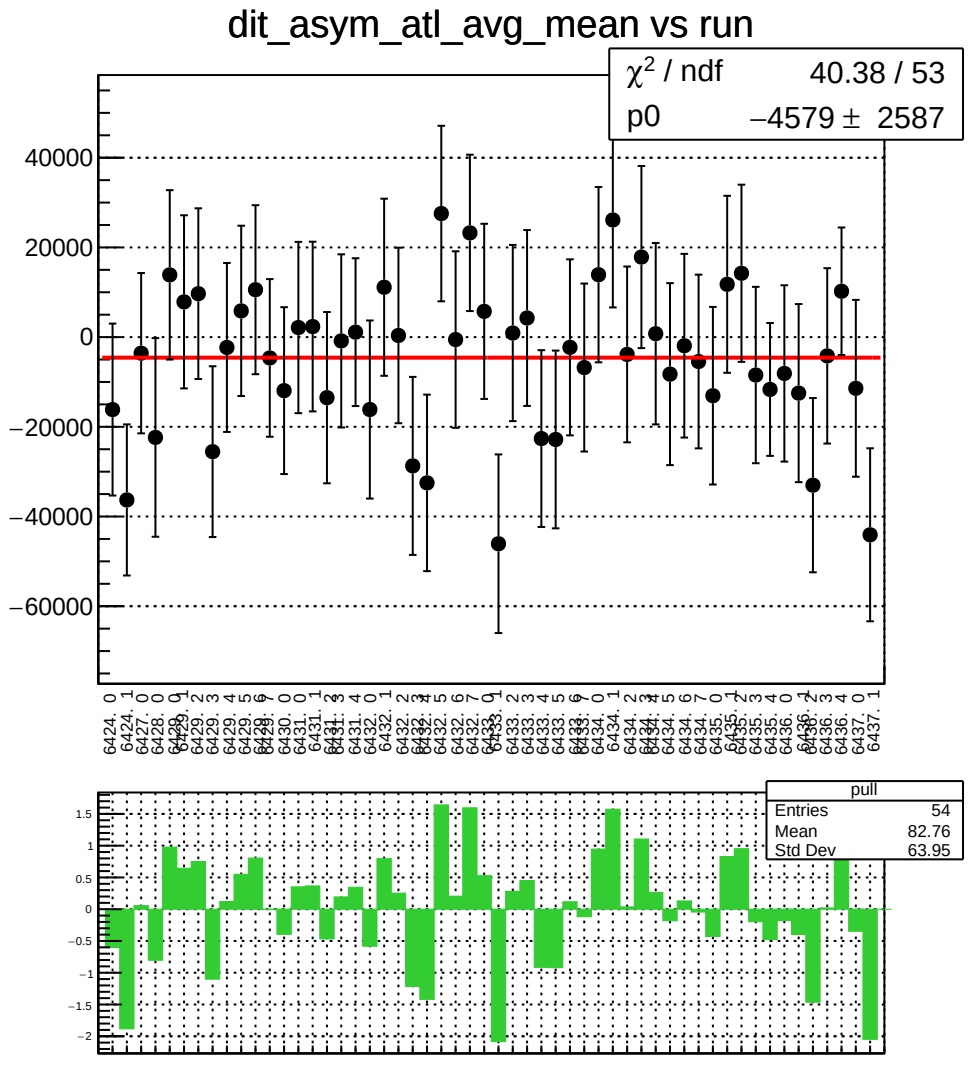
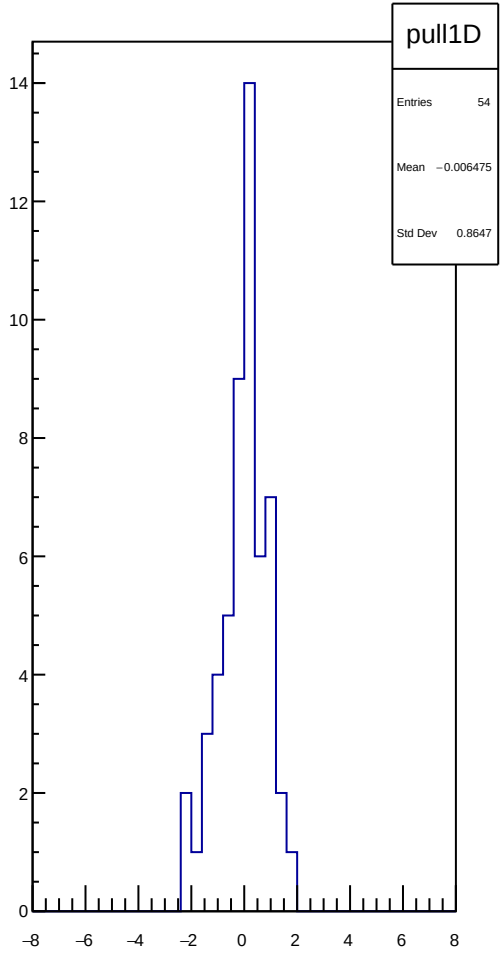
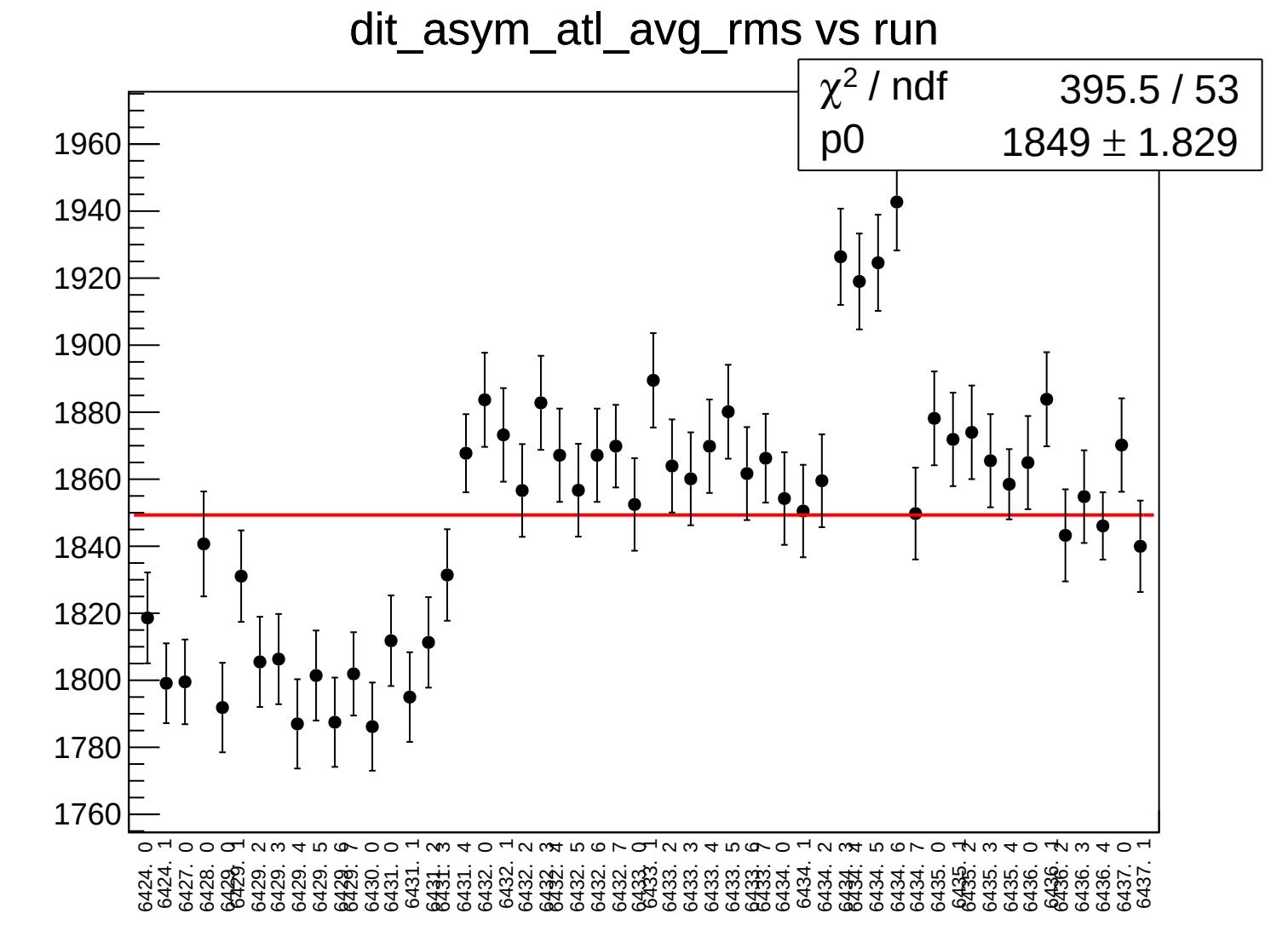
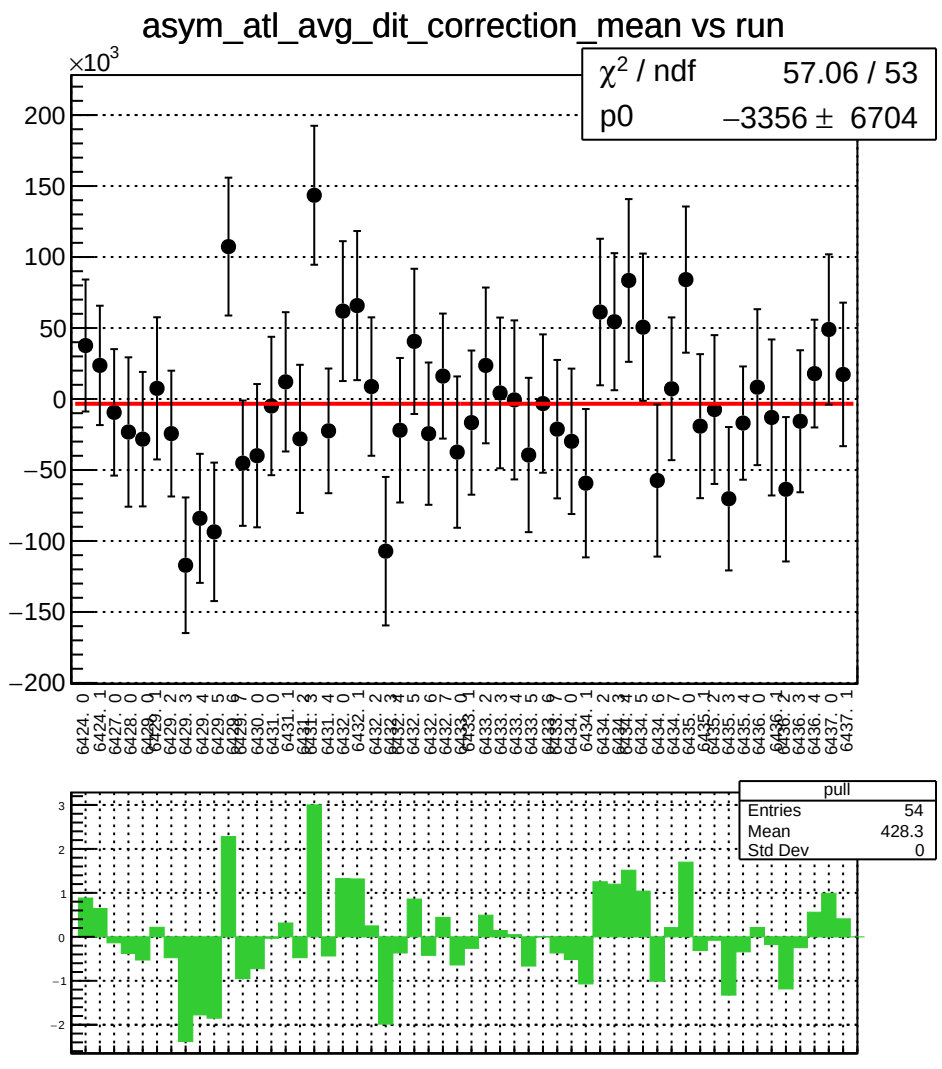
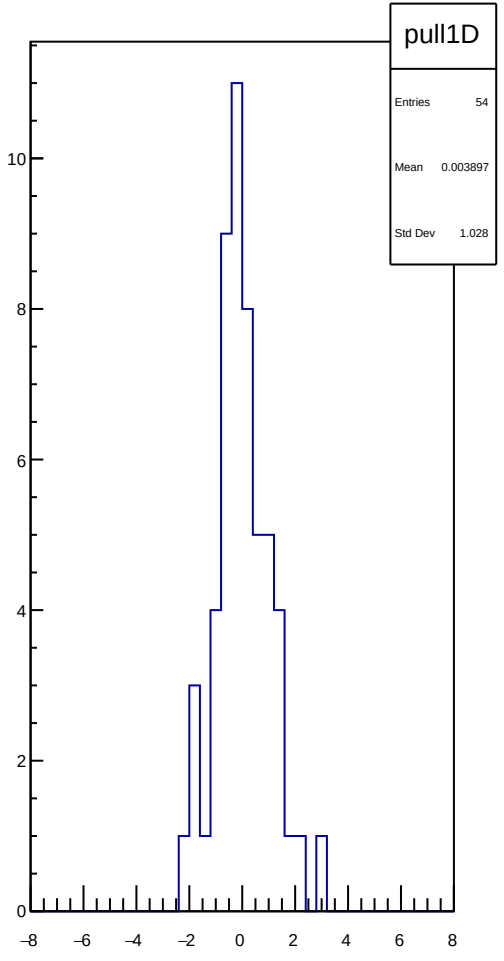
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

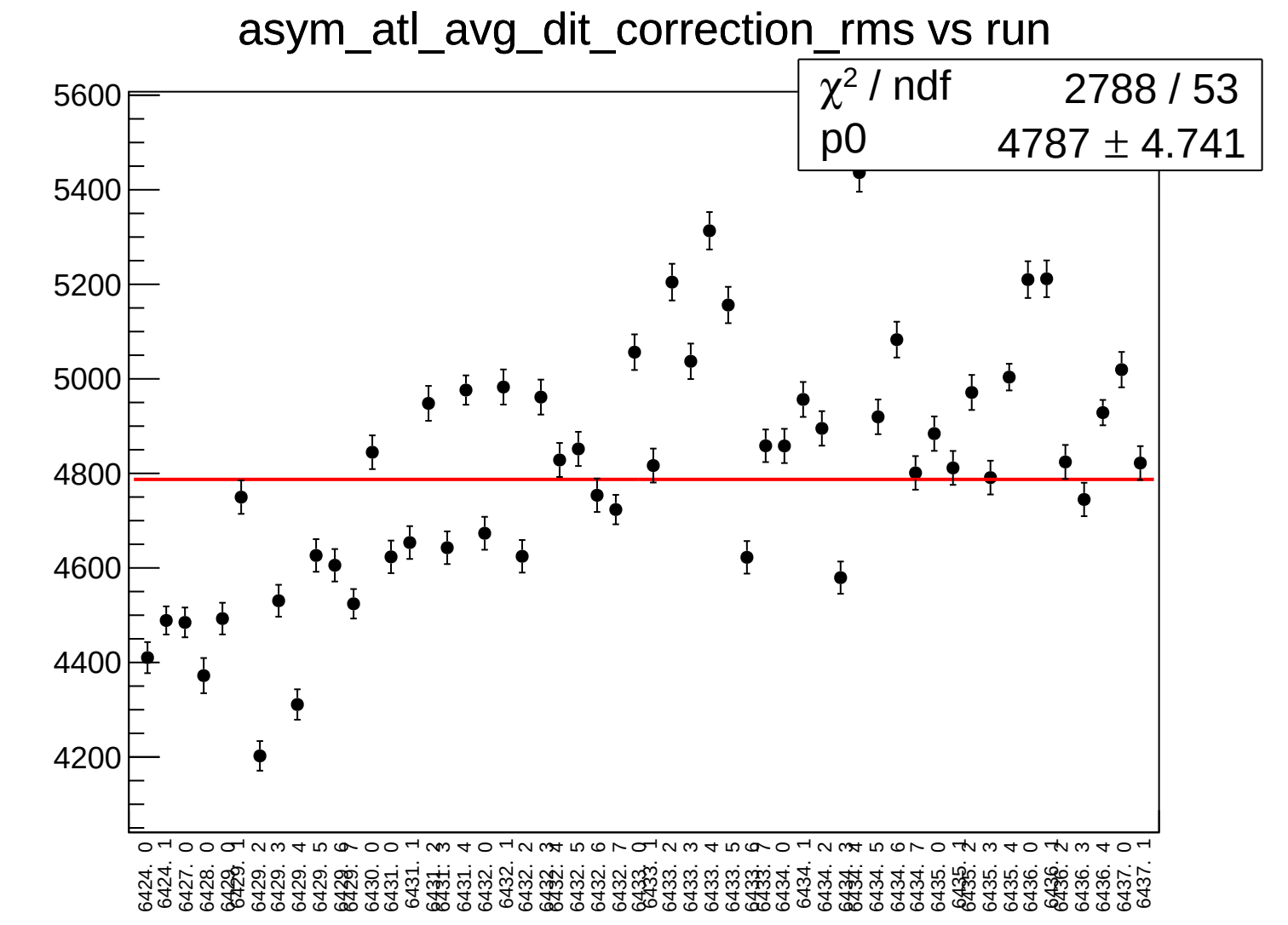

dit_asym_atl_avg_mean vs run
χ^2 / ndf 40.38 / 53
p0 −4579 ± 2587
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 82.76
Std Dev 63.95
1.5
1
0.5
0
−0.5
−1
−1.5
−2

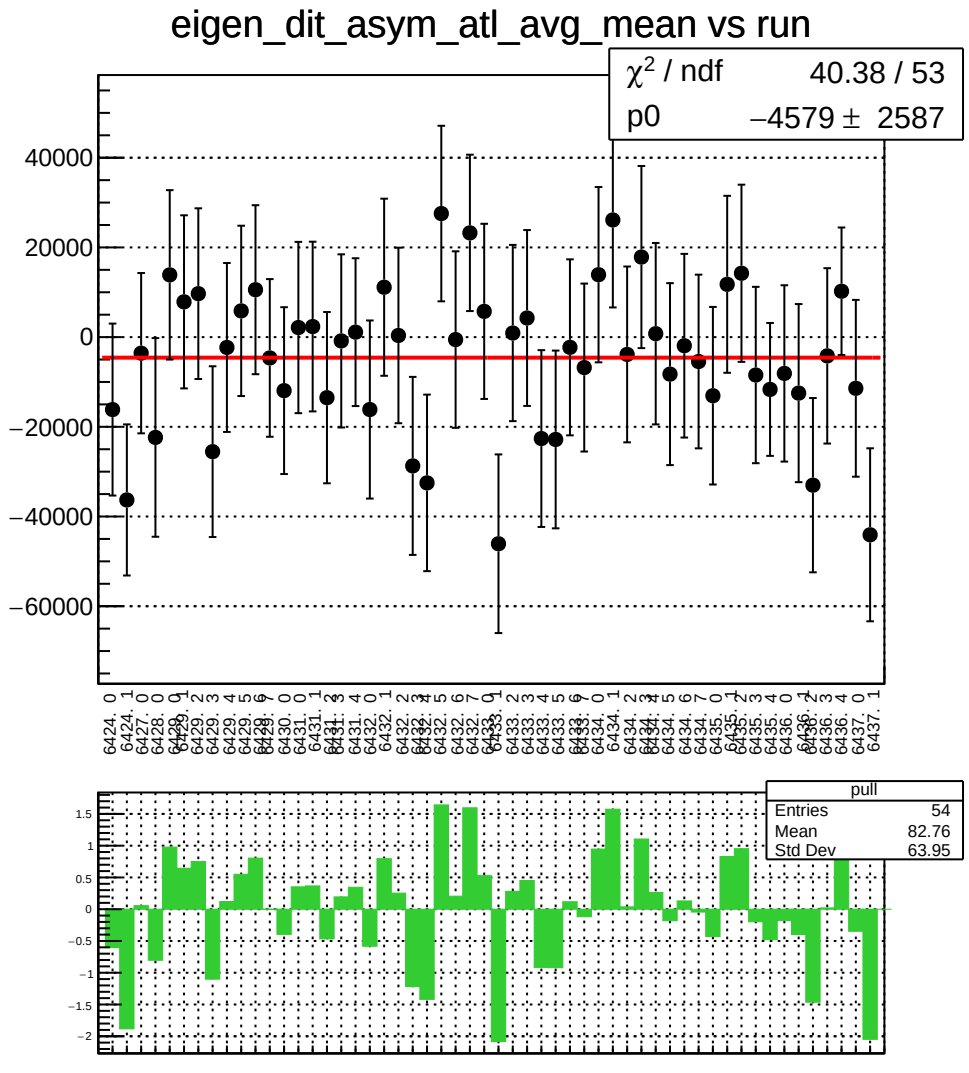

pull1D
Entries 54
Mean −0.006475
Std Dev 0.8647
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

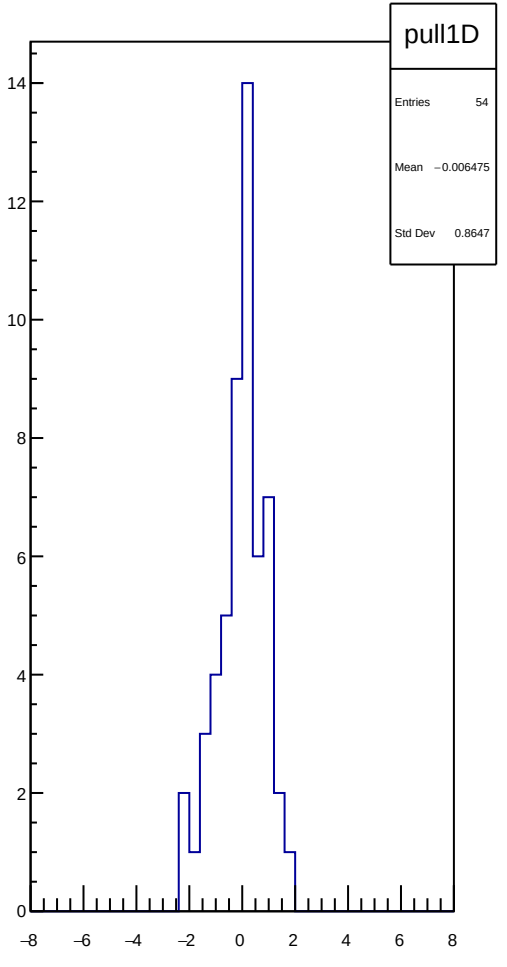

dit_asym_atl_avg_rms vs run
χ² / ndf 395.5 / 53
p0 1849 ± 1.829
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

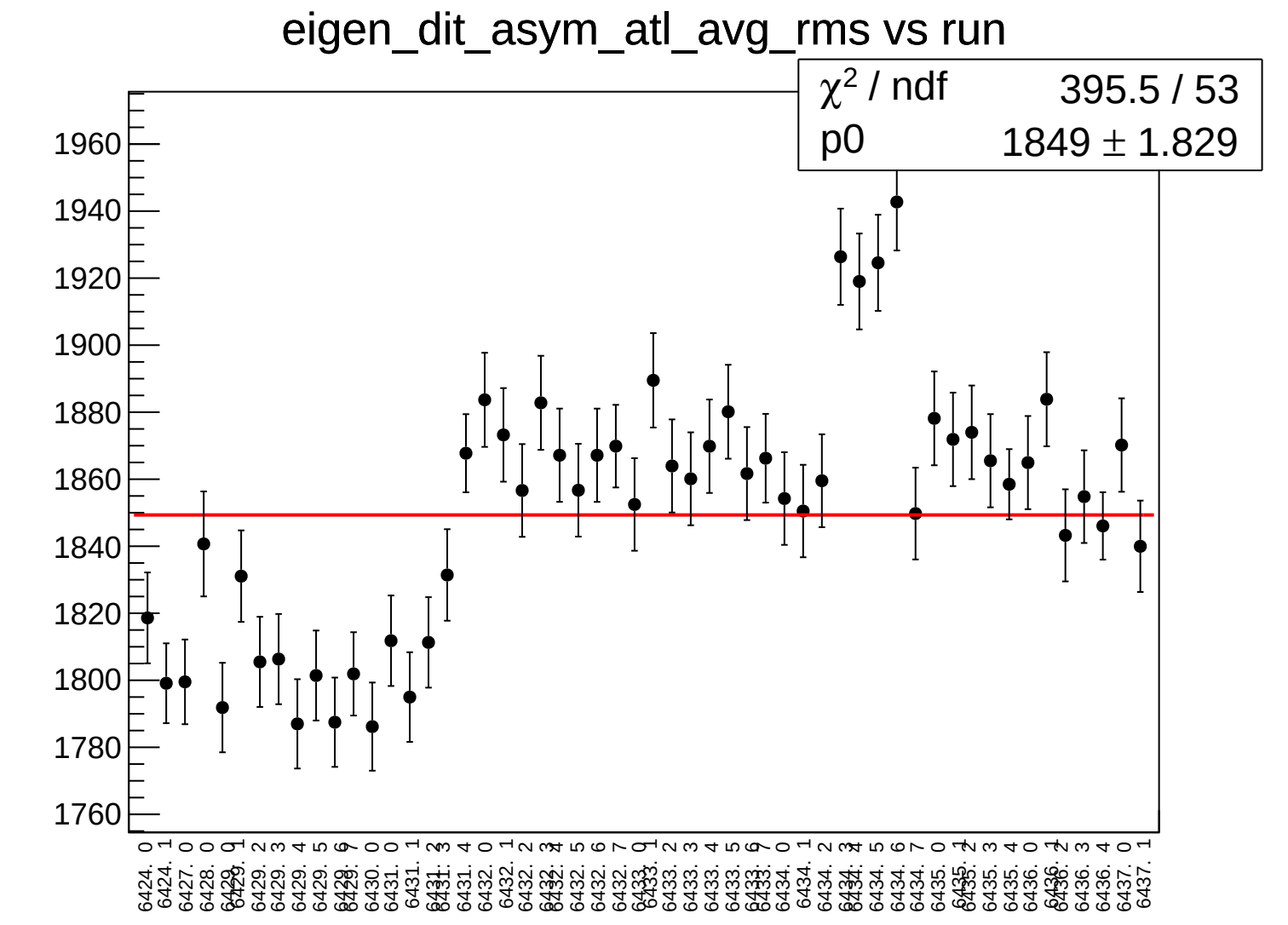

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 57.06 / 53
p0 −3356 ± 6704
pull
Entries 54
Mean 428.3
Std Dev 0

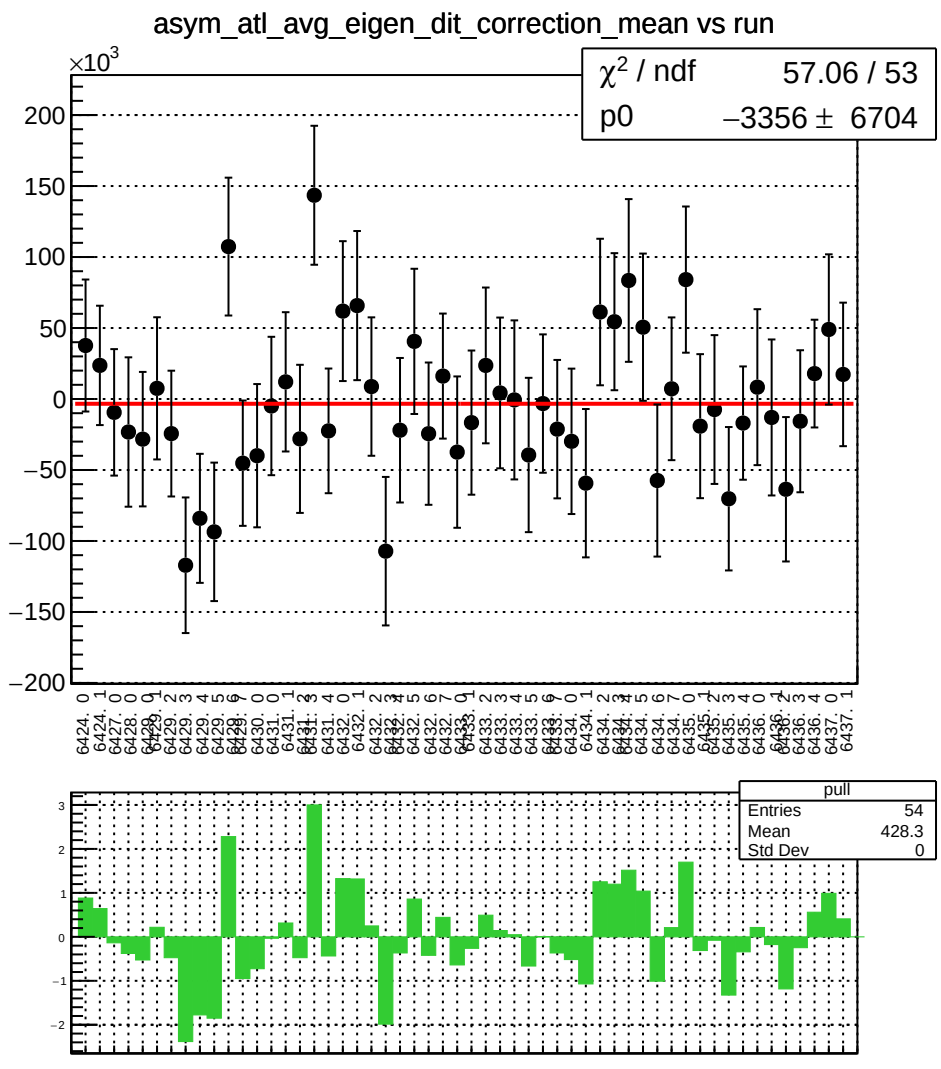

pull1D
Entries 54
Mean 0.003897
Std Dev 1.028

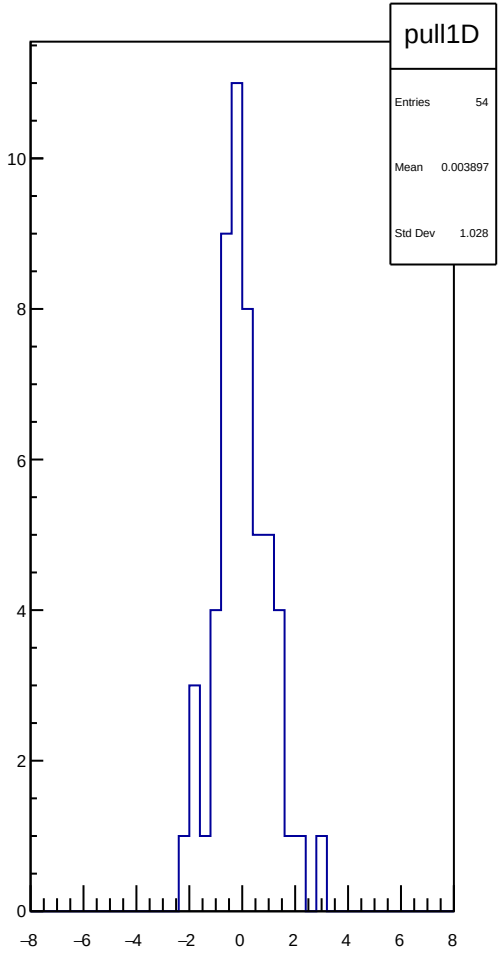

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 2788 / 53
p0 4787 ± 4.741
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

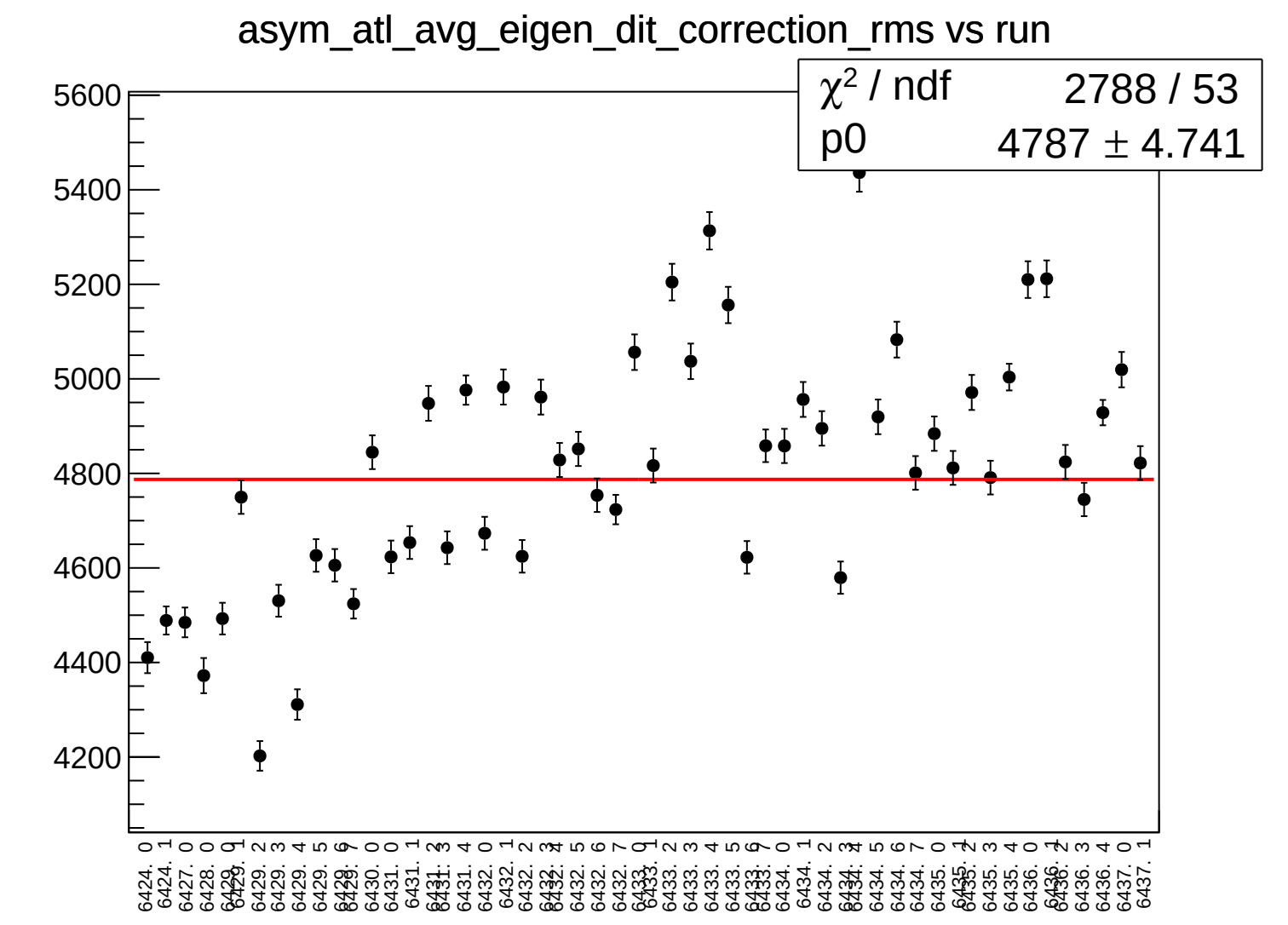

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 40.38 / 53
p0 −4579 ± 2587
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 82.76
Std Dev 63.95
1.5
1
0.5
0
−0.5
−1
−1.5
−2

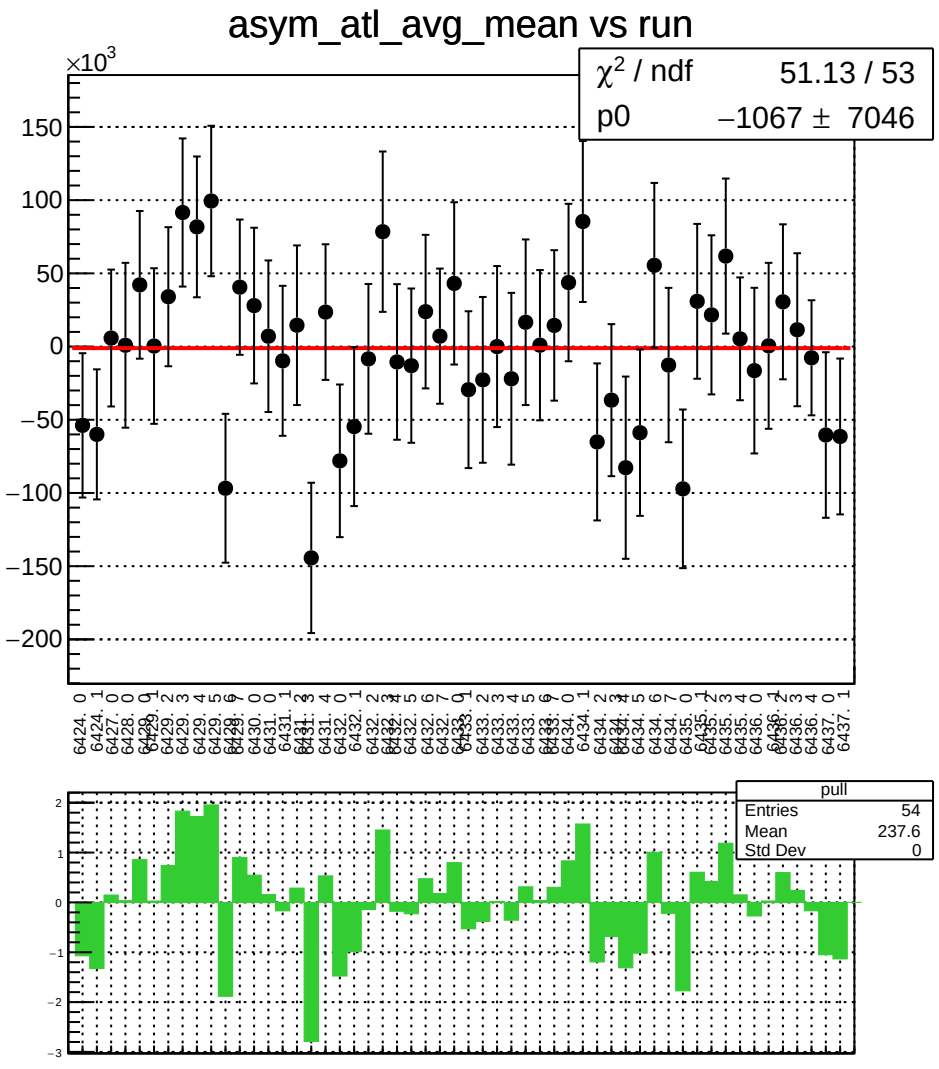

pull1D
Entries 54
Mean −0.006475
Std Dev 0.8647
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

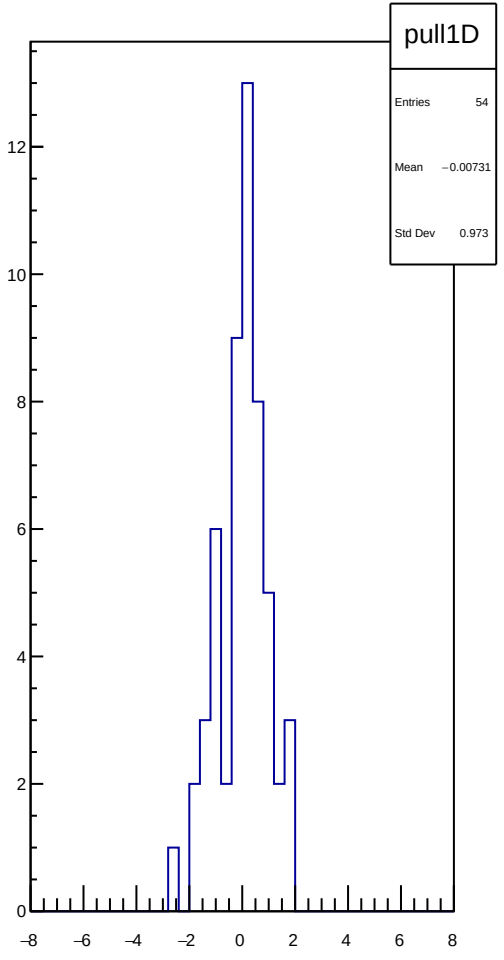

eigen_dit_asym_atl_avg_rms vs run
χ^2 / ndf 395.5 / 53
p0 1849 ± 1.829
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

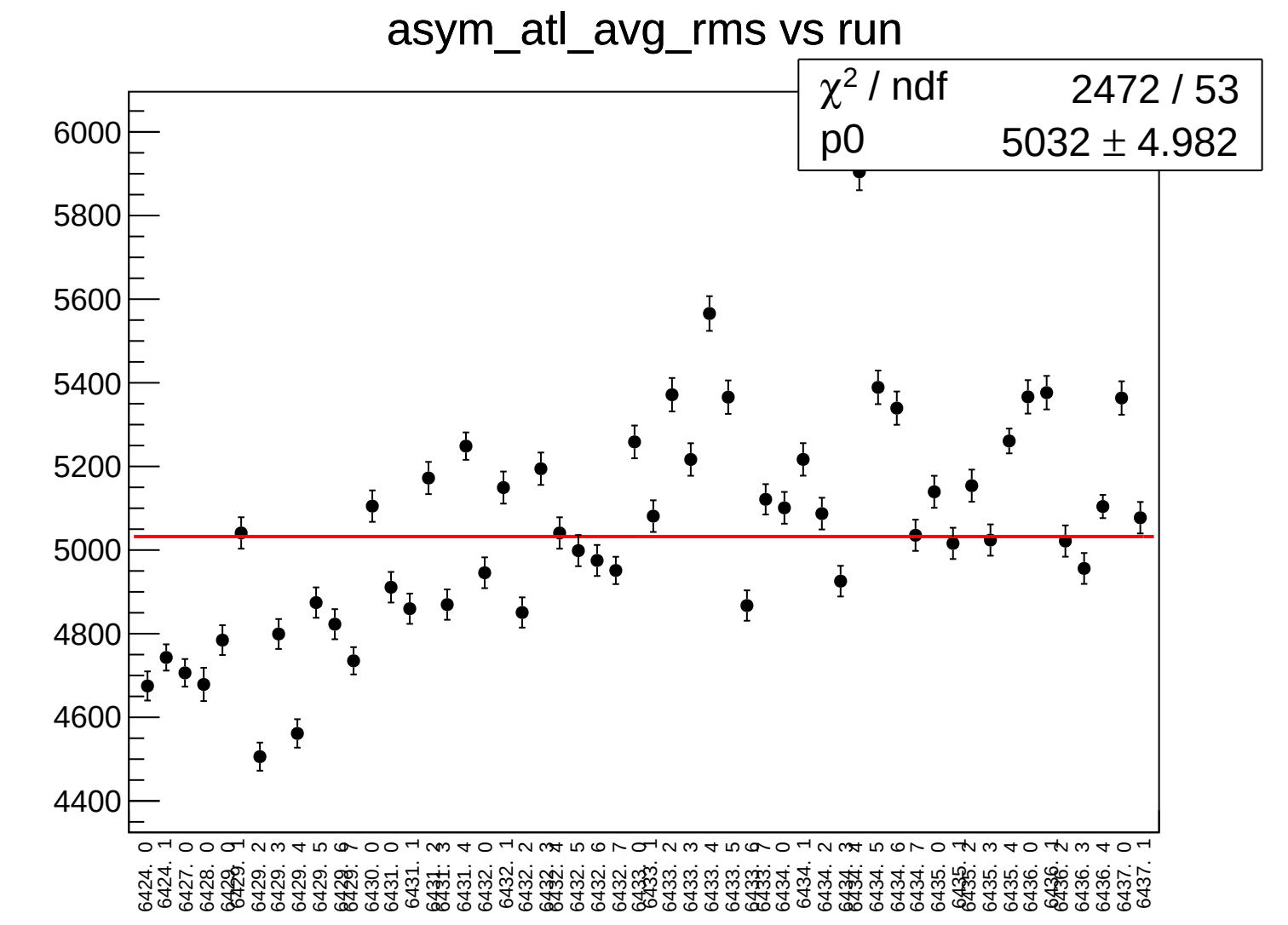

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.06 / 53
p0 −3356 ± 6704
pull
Entries 54
Mean 428.3
Std Dev 0

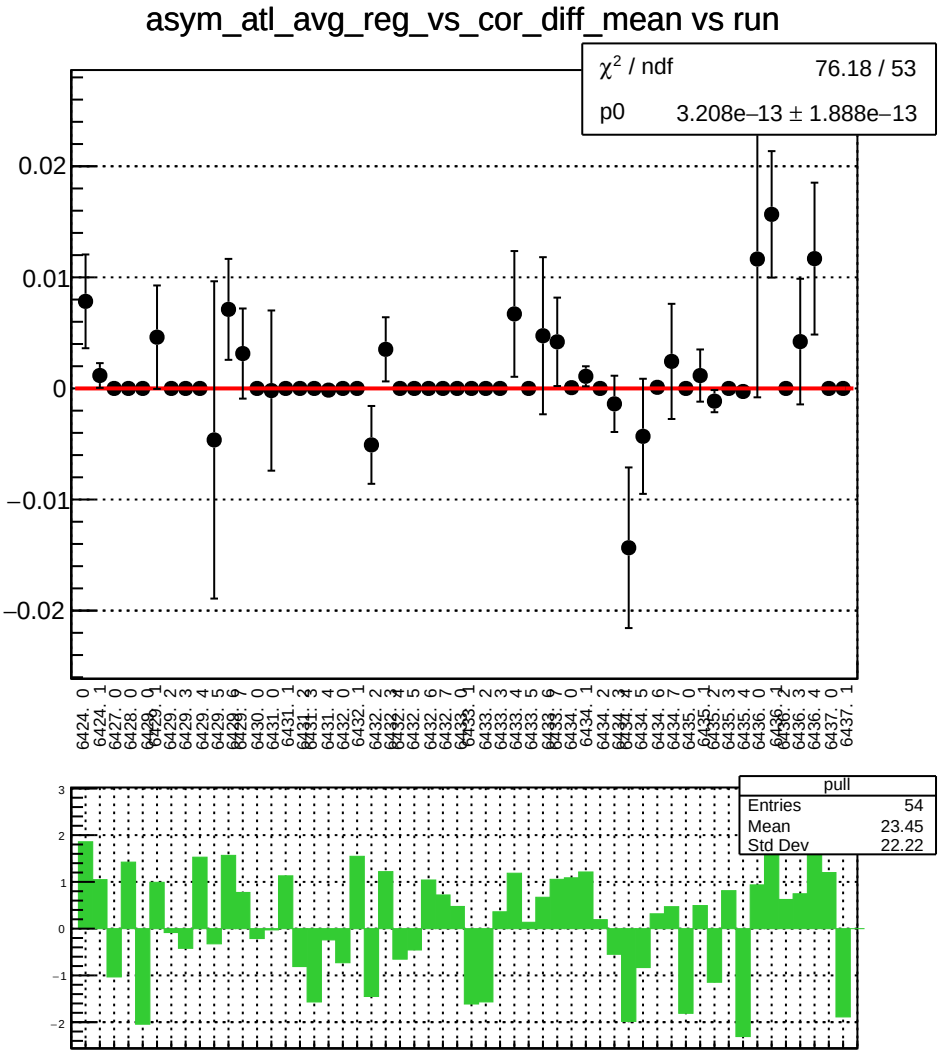

pull1D
Entries 54
Mean 0.003897
Std Dev 1.028

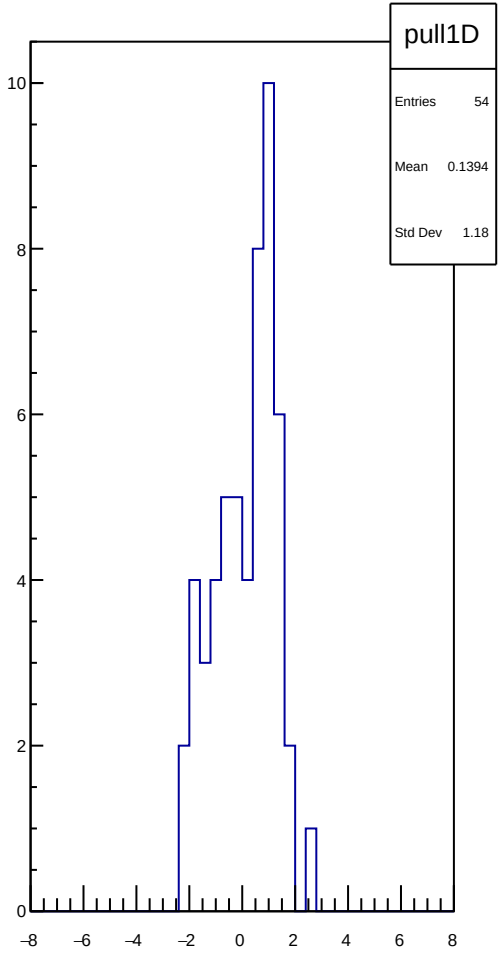

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 2788 / 53
p0 4787 ± 4.741
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

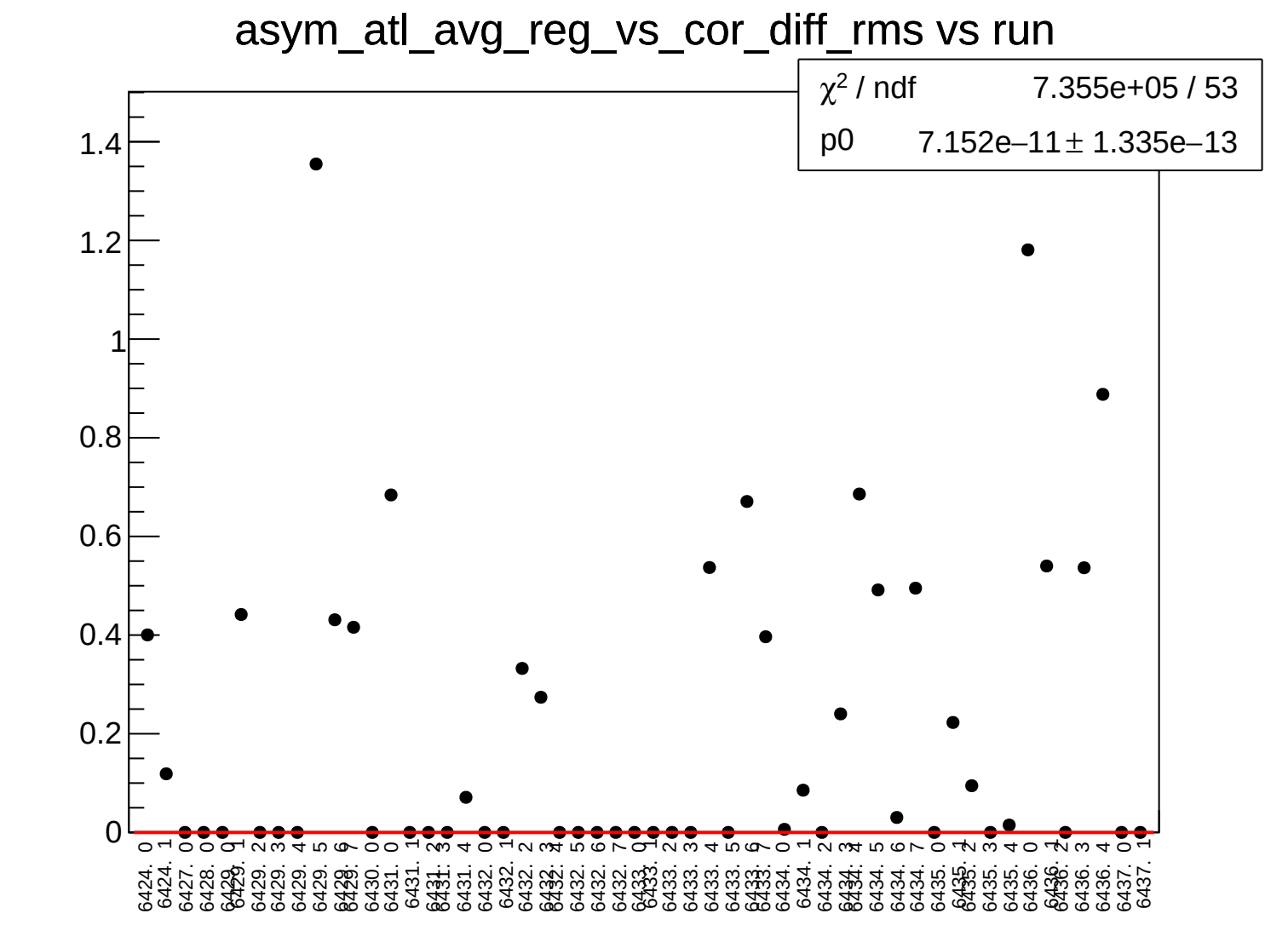

asym_atl_avg_mean vs run
×10^3
χ² / ndf 51.13 / 53
p0 −1067 ± 7046
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 237.6
Std Dev 0
2
1
0
−1
−2
−3

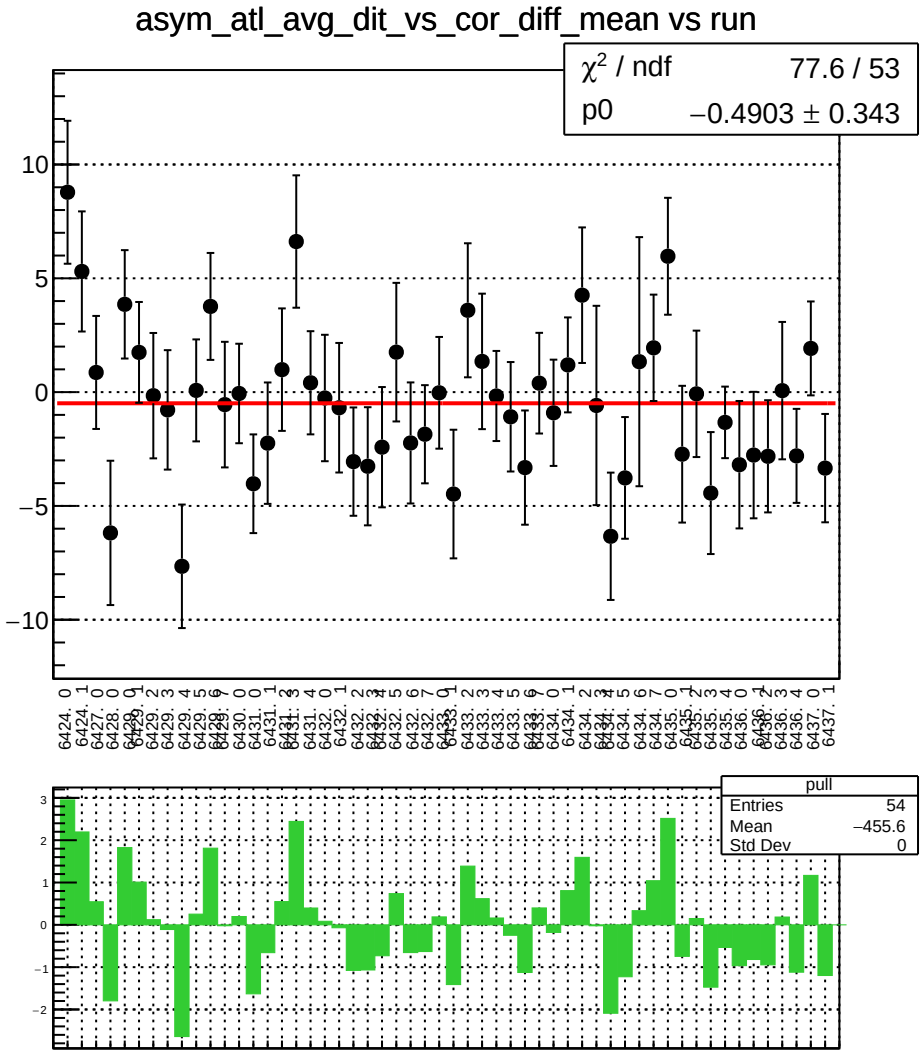

pull1D
Entries 54
Mean −0.00731
Std Dev 0.973
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

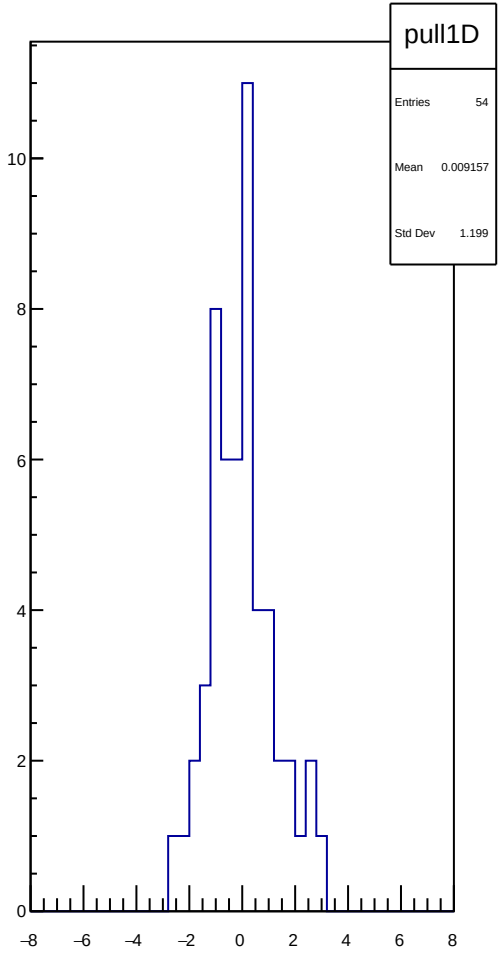

asym_atl_avg_rms vs run
χ^2 / ndf 2472 / 53
p0 5032 ± 4.982
6000
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

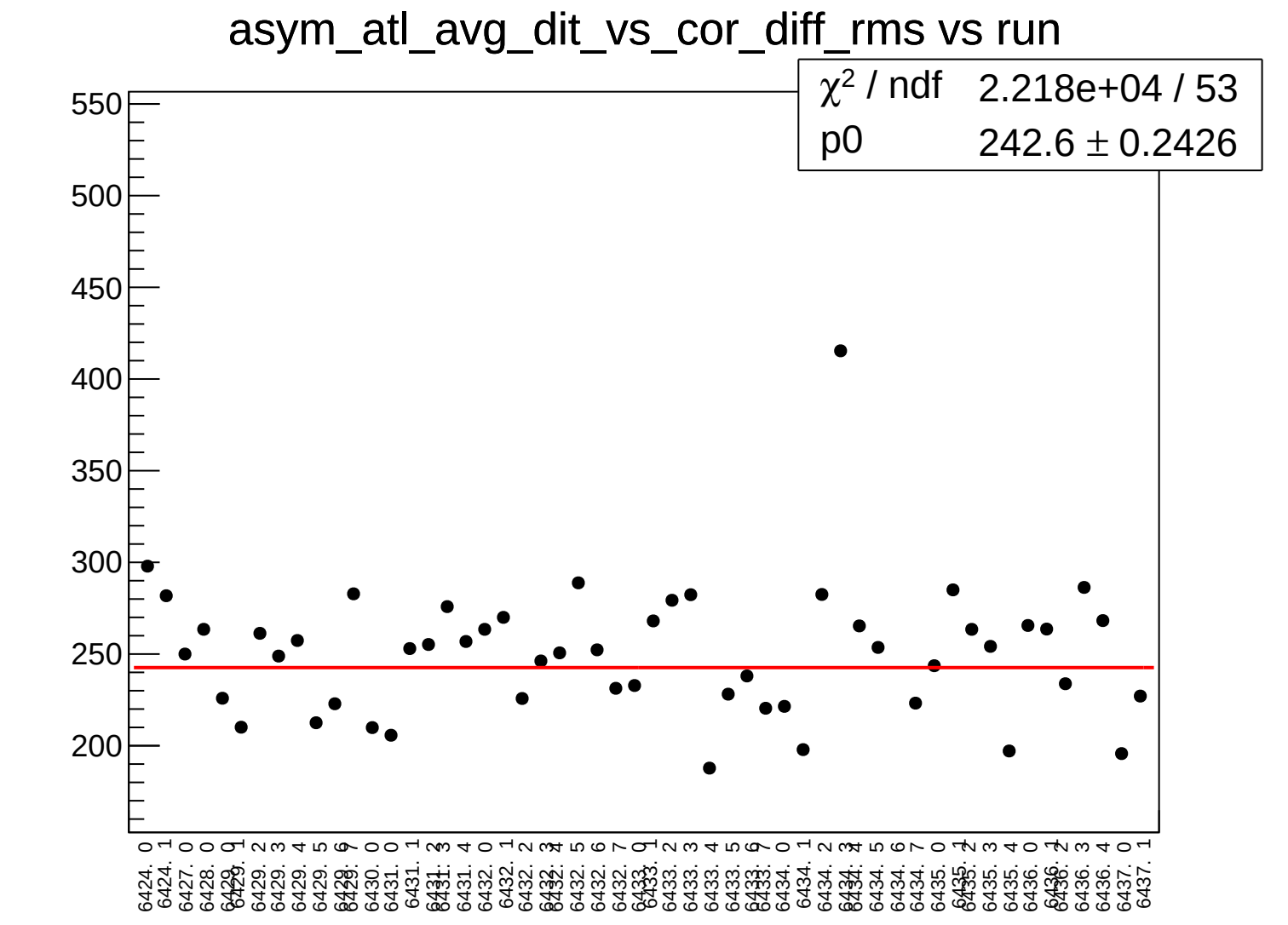

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.18 / 53
p0 3.208e−13 ± 1.888e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 23.45
Std Dev 22.22

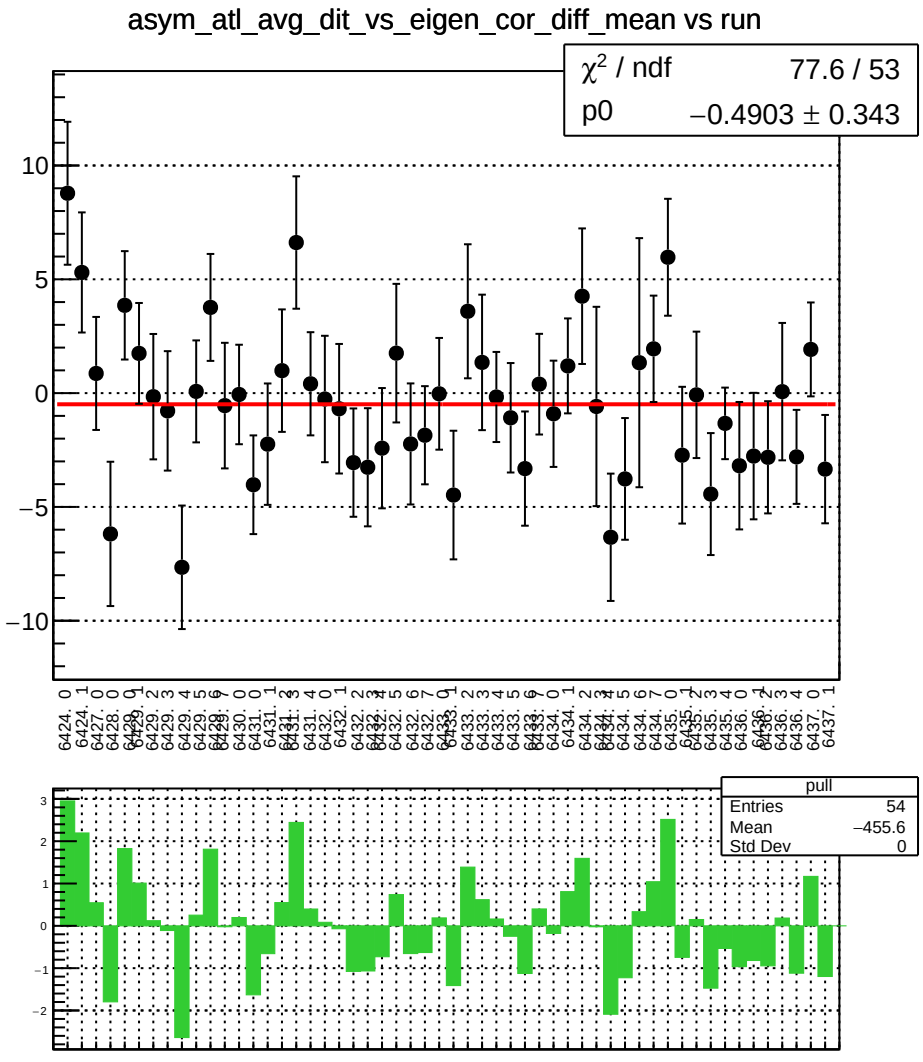

pull1D
Entries 54
Mean 0.1394
Std Dev 1.18

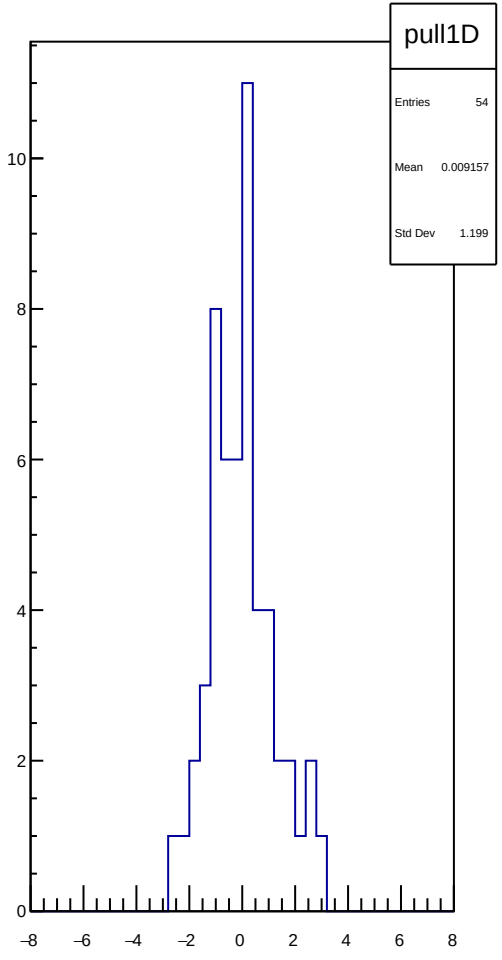

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 7.355e+05 / 53
p0 7.152e−11 ± 1.335e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

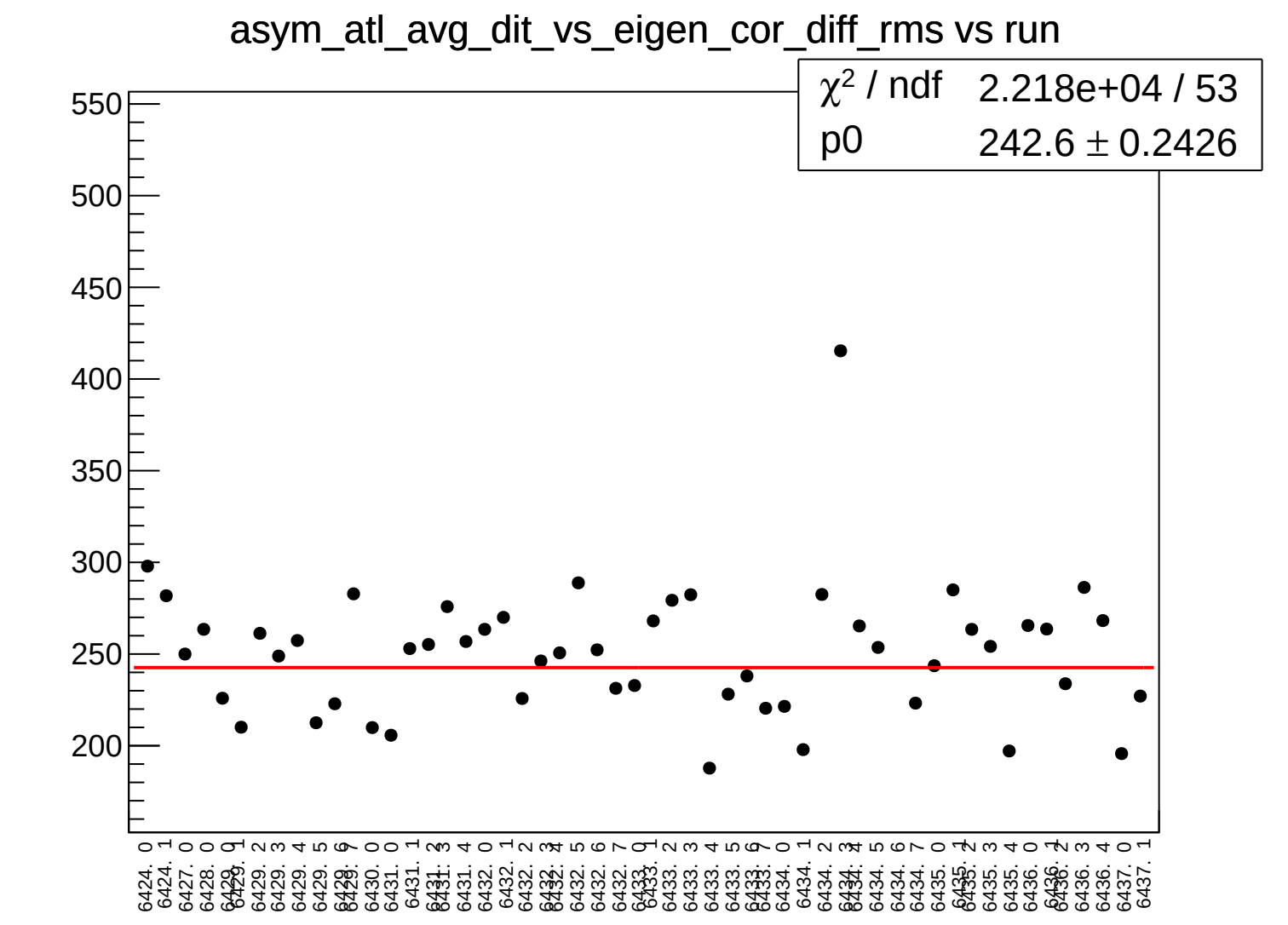

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.6 / 53
p0 −0.4903 ± 0.343
pull
Entries 54
Mean −455.6
Std Dev 0

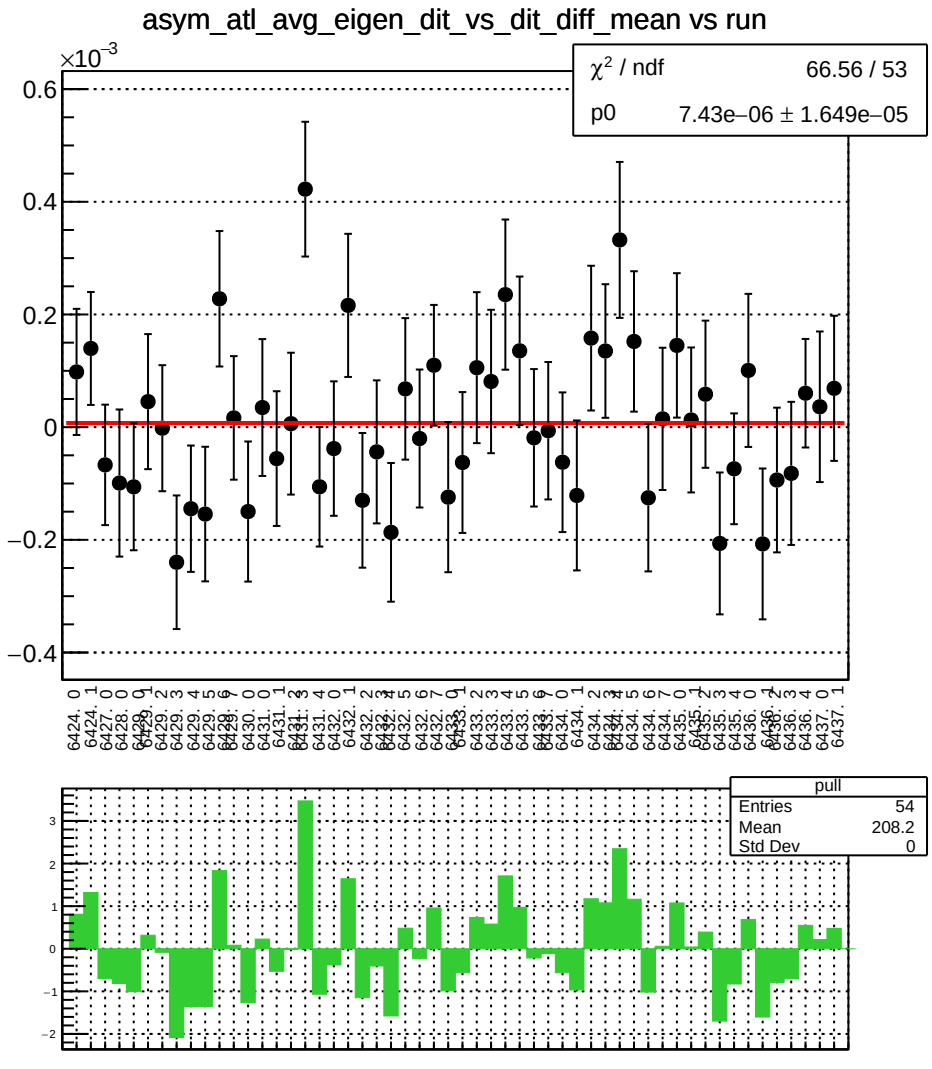

pull1D
Entries 54
Mean 0.009157
Std Dev 1.199

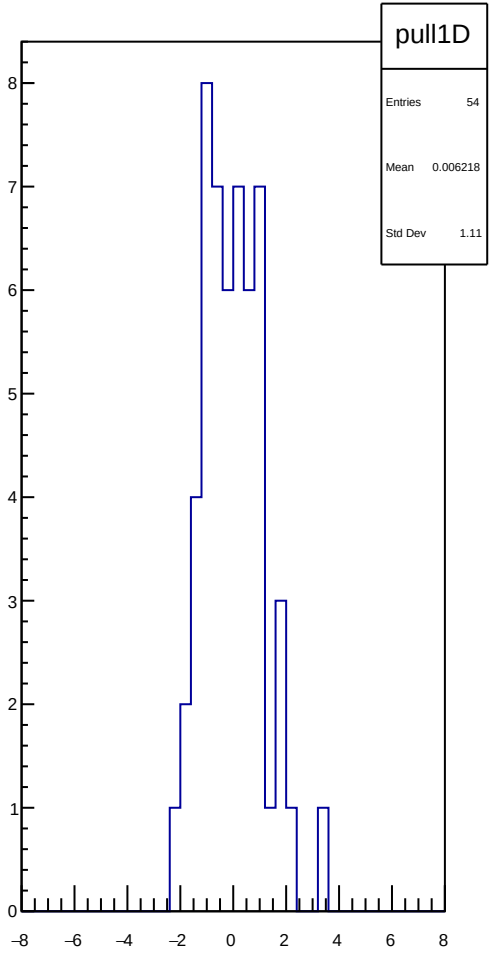

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.218e+04 / 53
p0 242.6 ± 0.2426
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

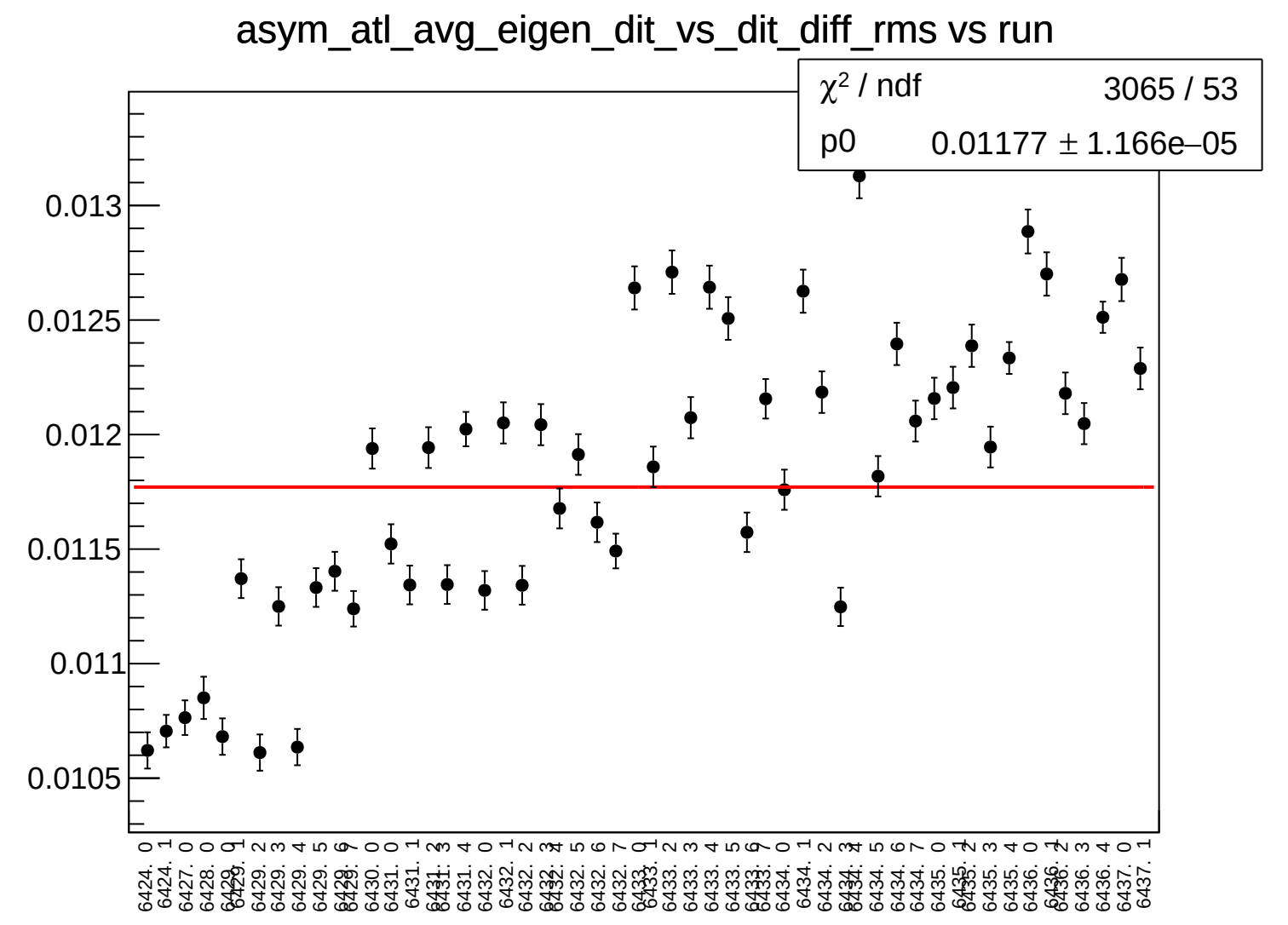

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.6 / 53
p0 −0.4903 ± 0.343
pull
Entries 54
Mean −455.6
Std Dev 0

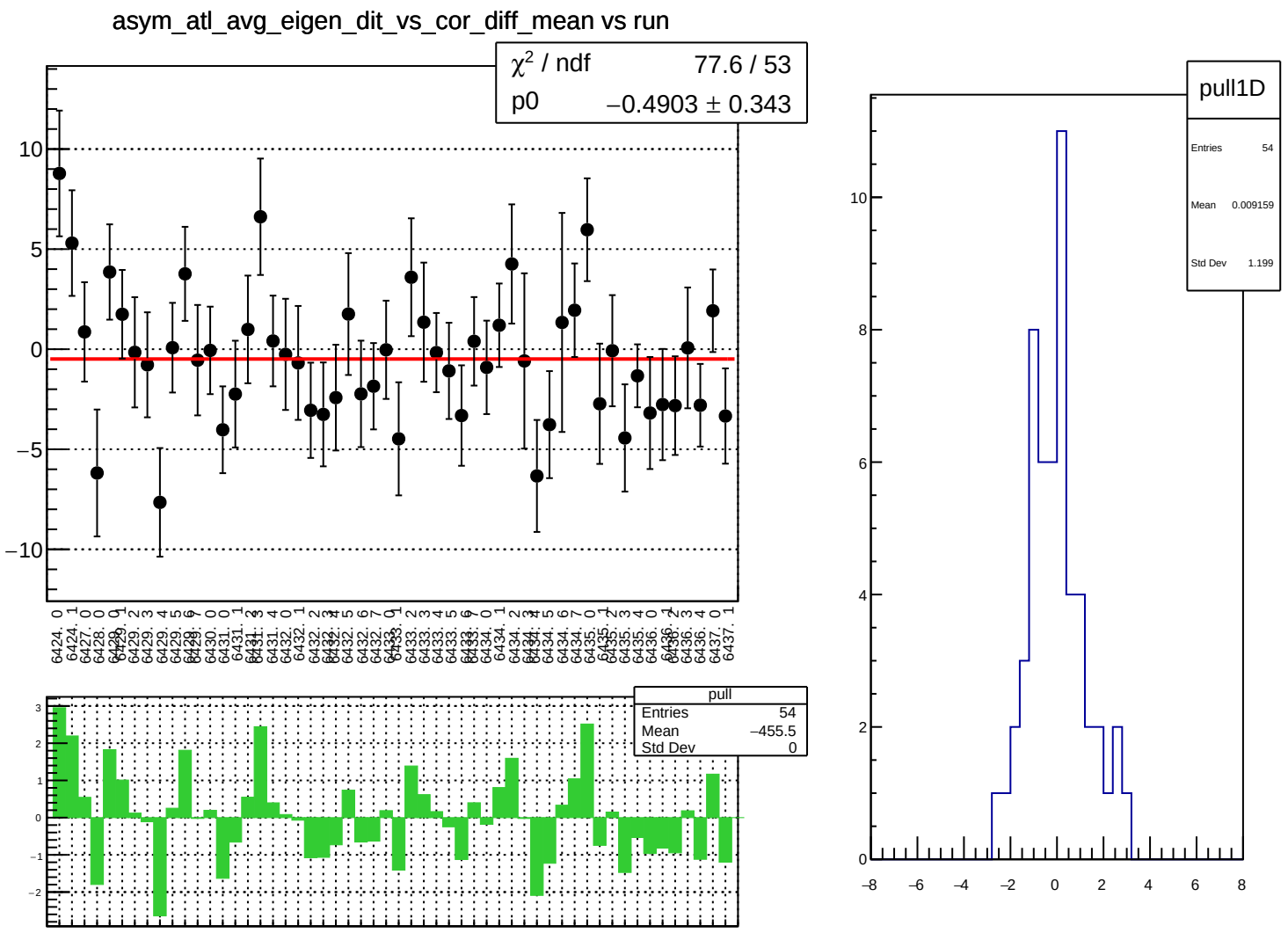

pull1D
Entries 54
Mean 0.009157
Std Dev 1.199

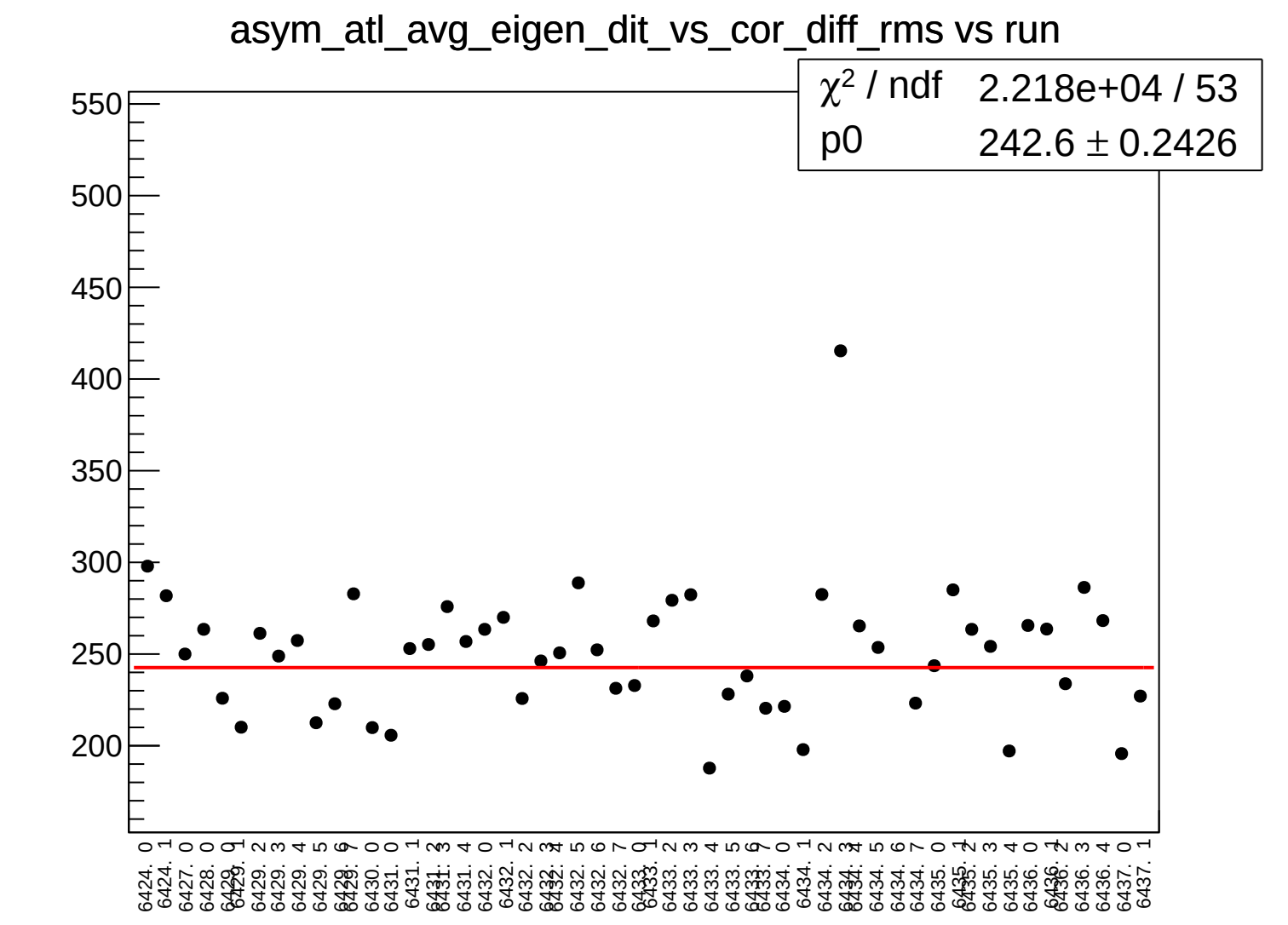

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.218e+04 / 53
p0 242.6 ± 0.2426
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

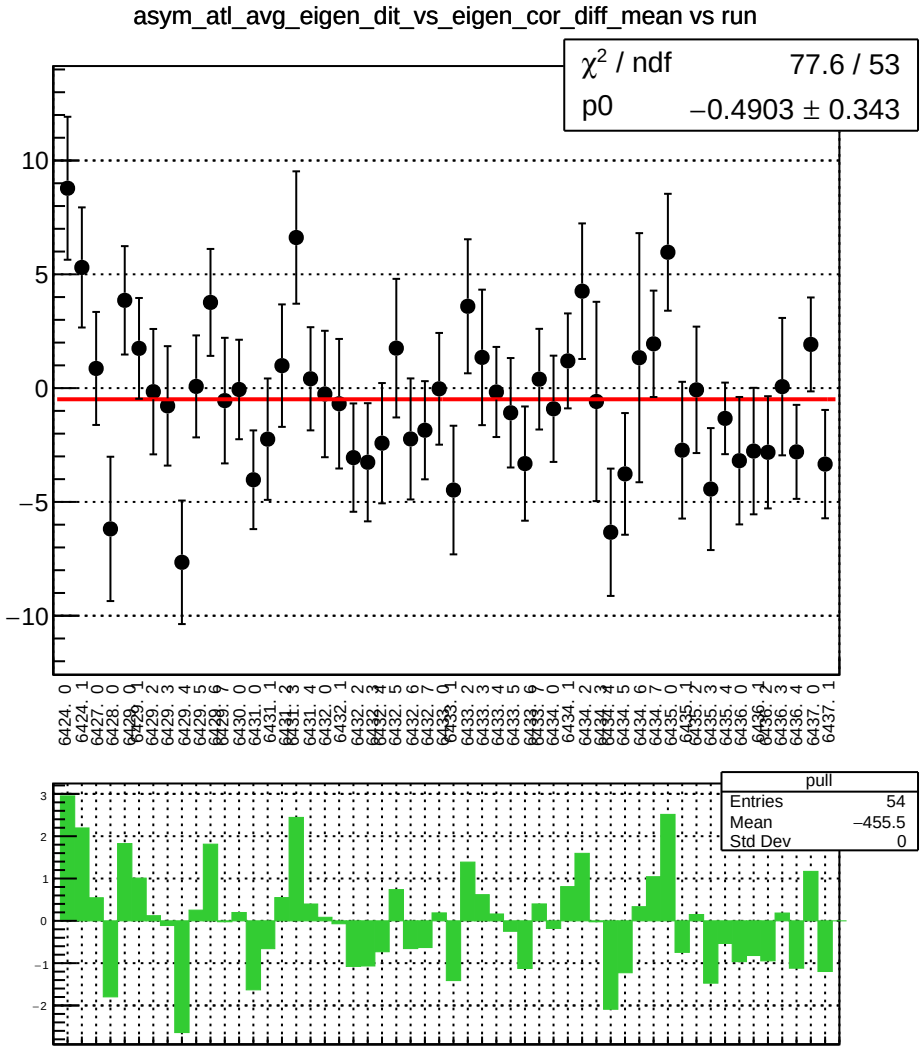

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.56 / 53
p0 7.43e−06 ± 1.649e−05
pull
Entries 54
Mean 208.2
Std Dev 0

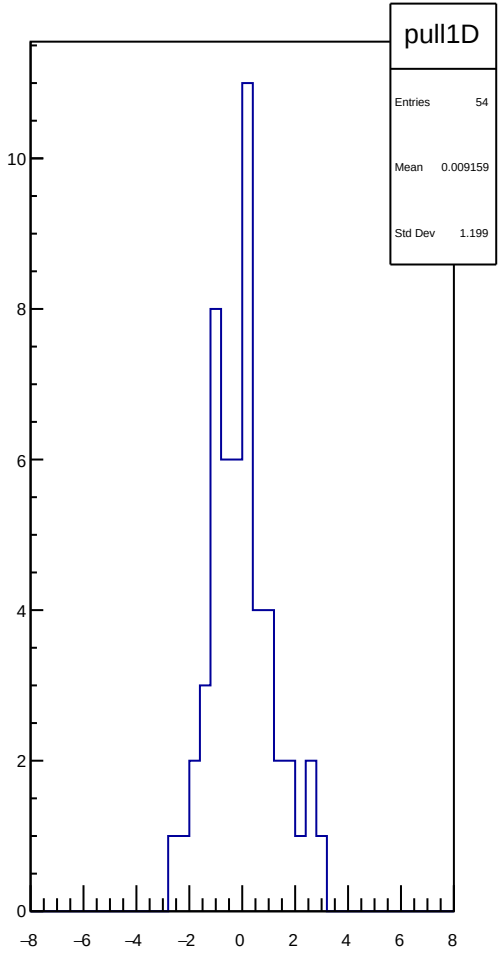

pull1D
Entries 54
Mean 0.006218
Std Dev 1.11

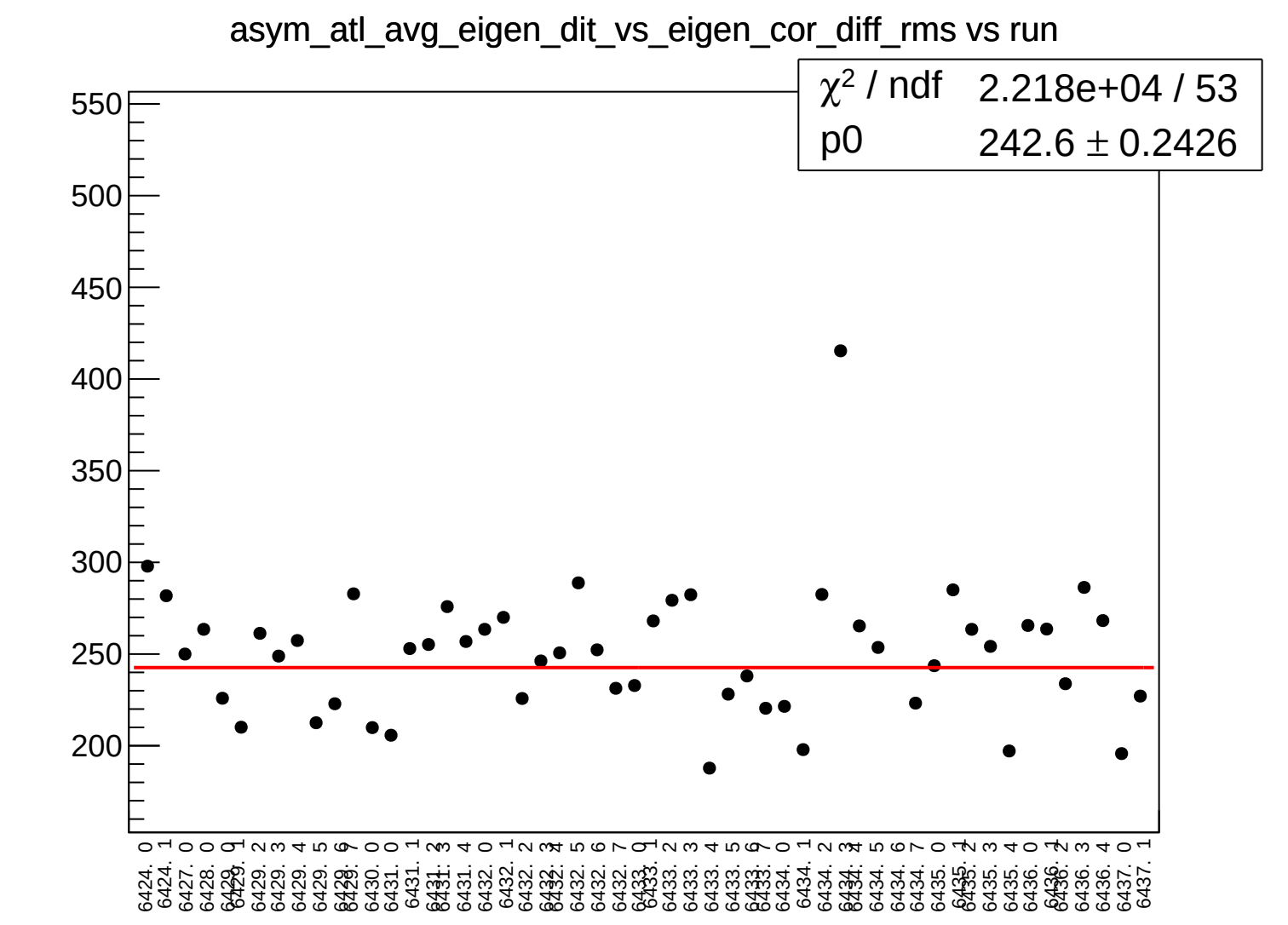

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3065 / 53
p0 0.01177 ± 1.166e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

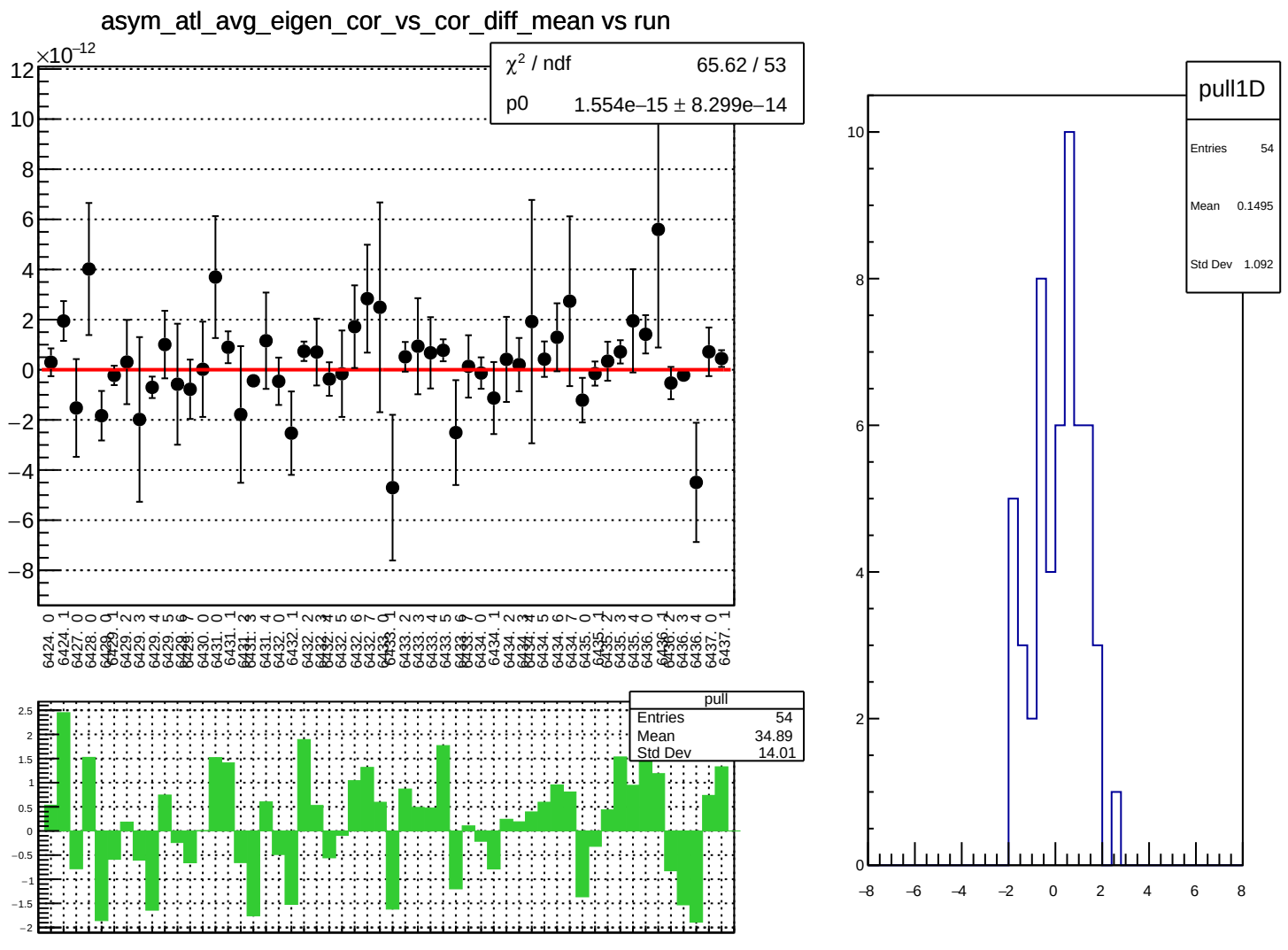

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.6 / 53
p0 −0.4903 ± 0.343
pull
Entries 54
Mean −455.5
Std Dev 0
pull1D
Entries 54
Mean 0.009159
Std Dev 1.199

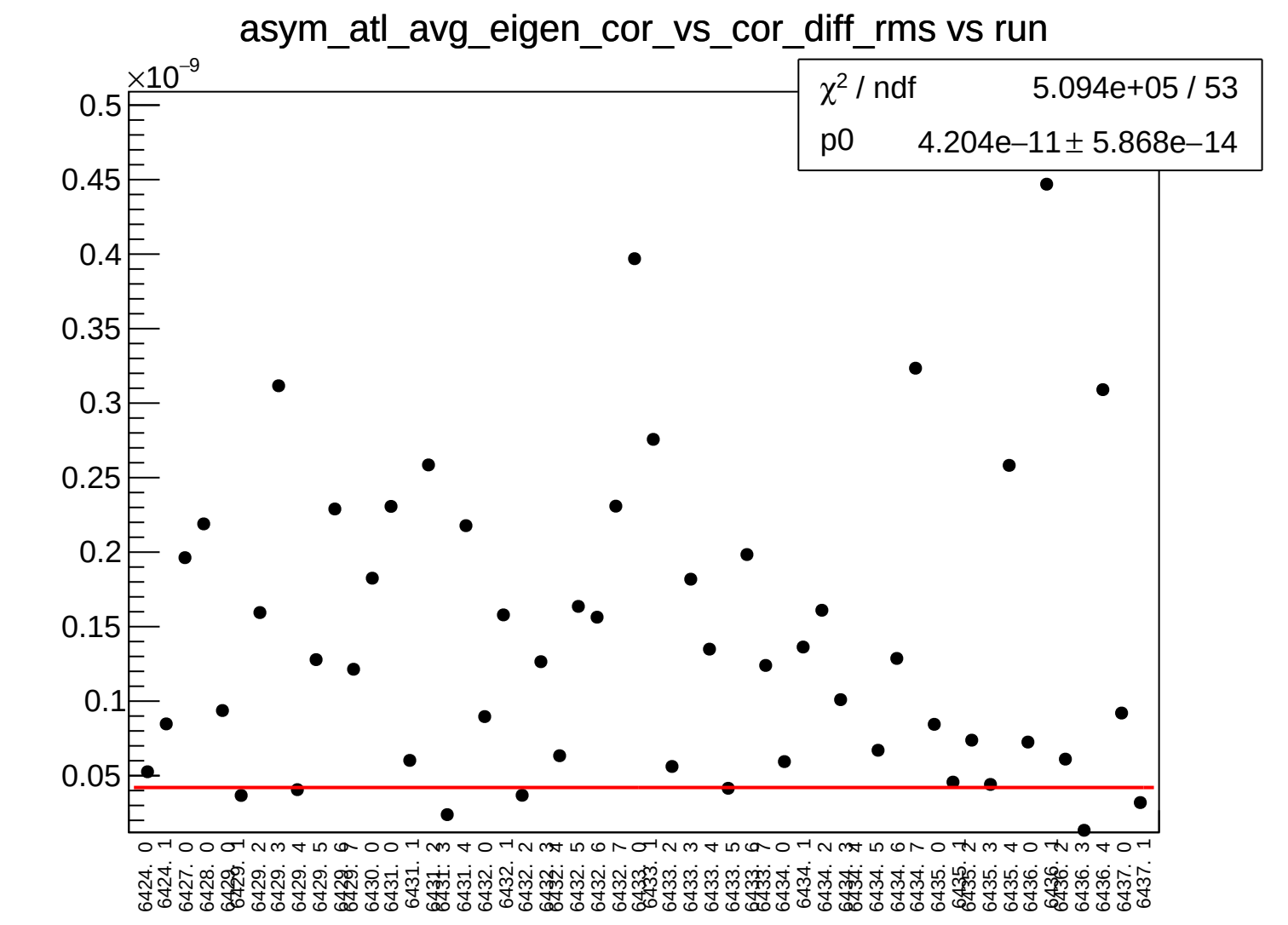

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.218e+04 / 53
p0 242.6 ± 0.2426
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

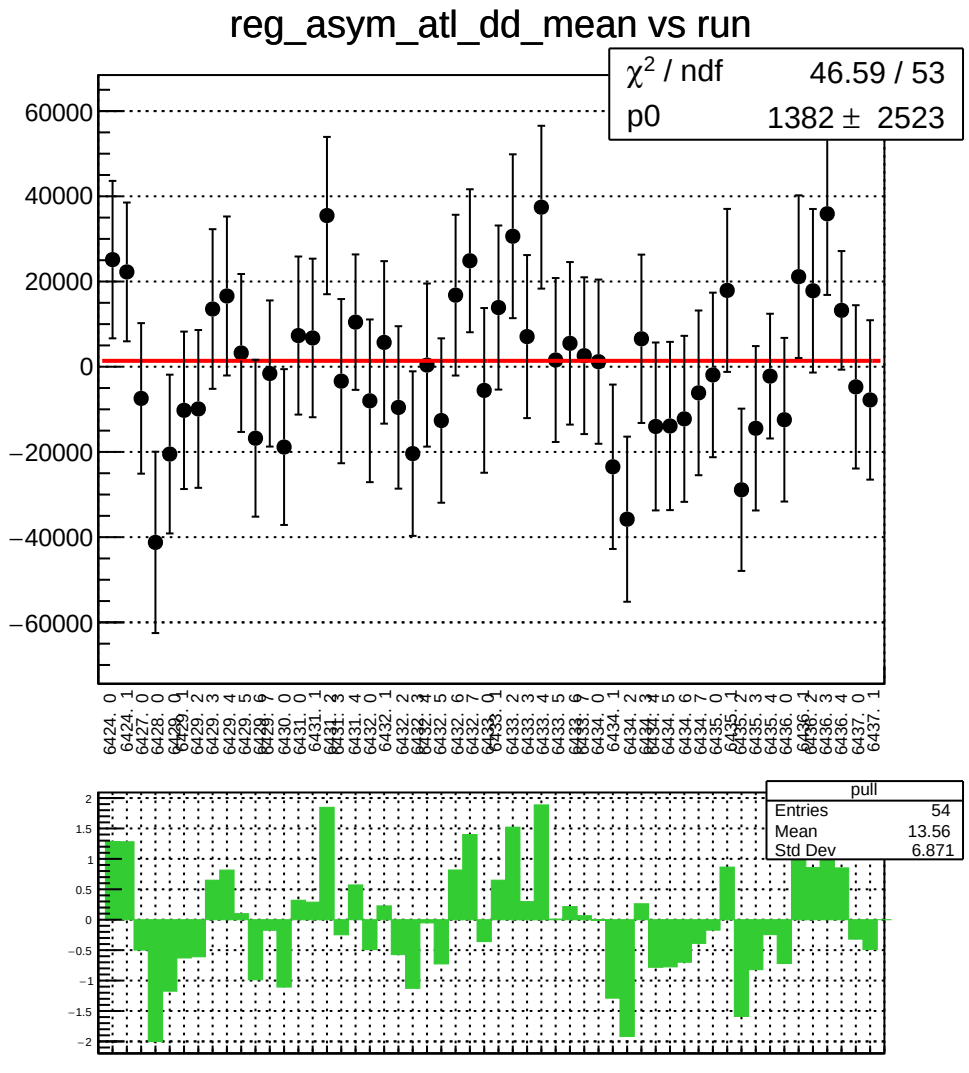

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.6 / 53
p0 −0.4903 ± 0.343
pull
Entries 54
Mean −455.5
Std Dev 0

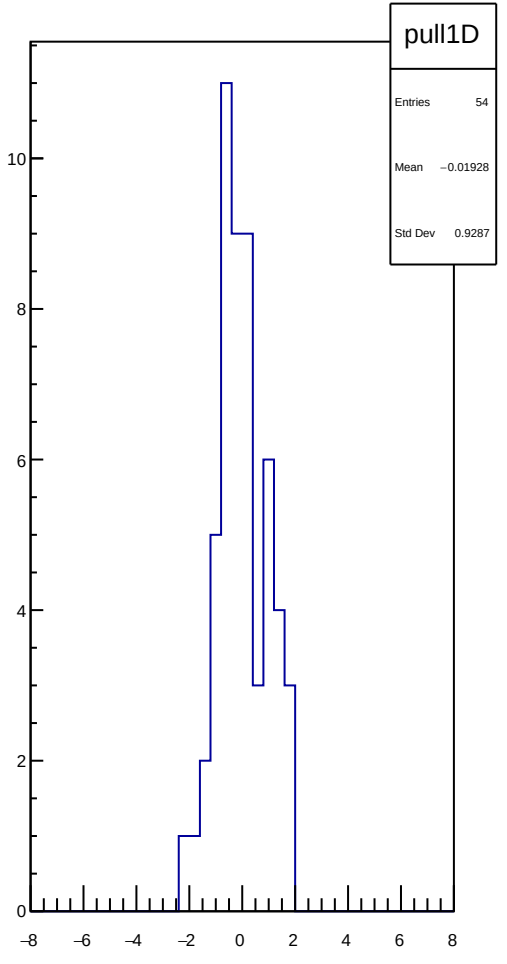

pull1D
Entries 54
Mean 0.009159
Std Dev 1.199

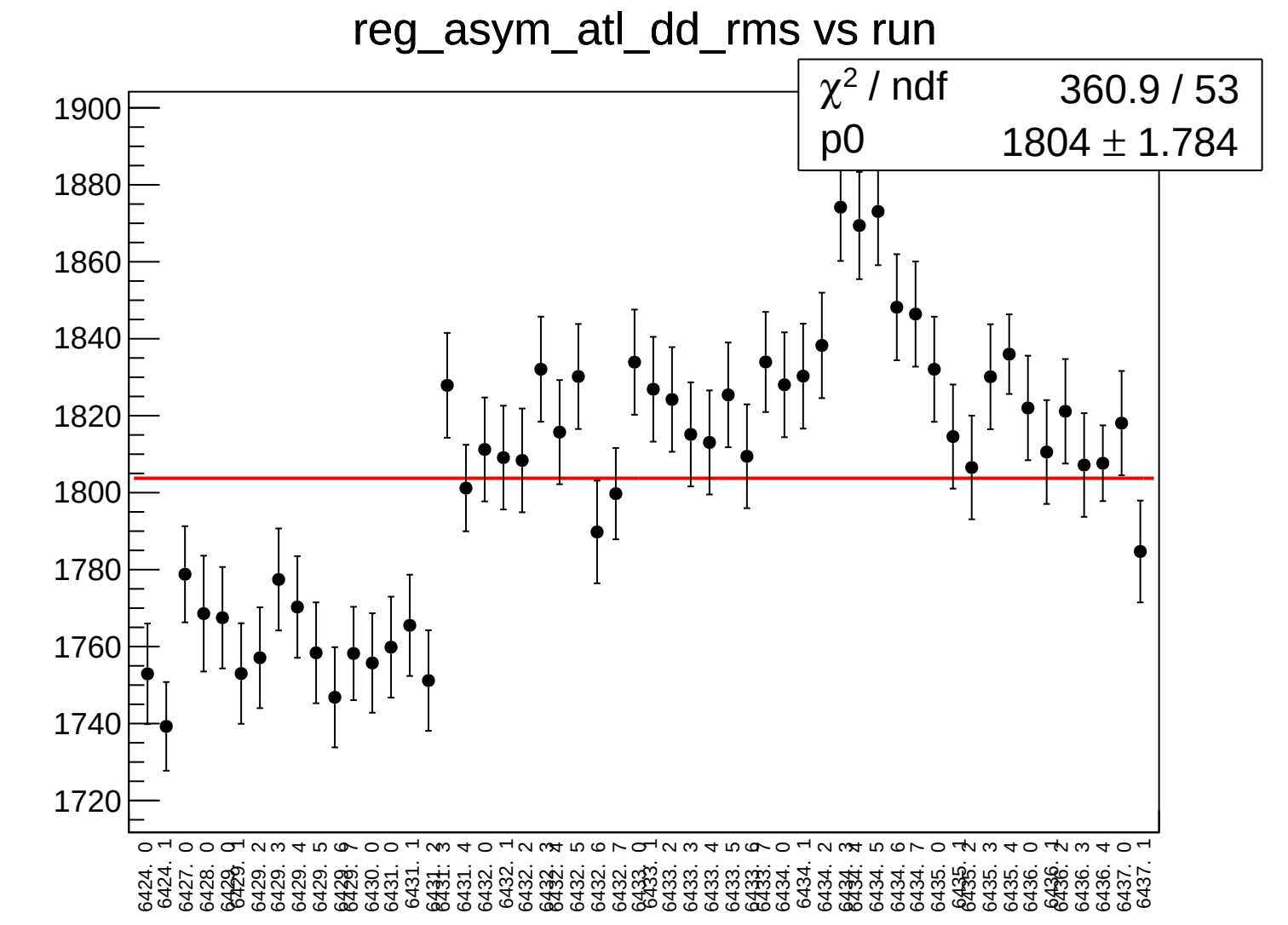

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.218e+04 / 53
p0 242.6 ± 0.2426
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

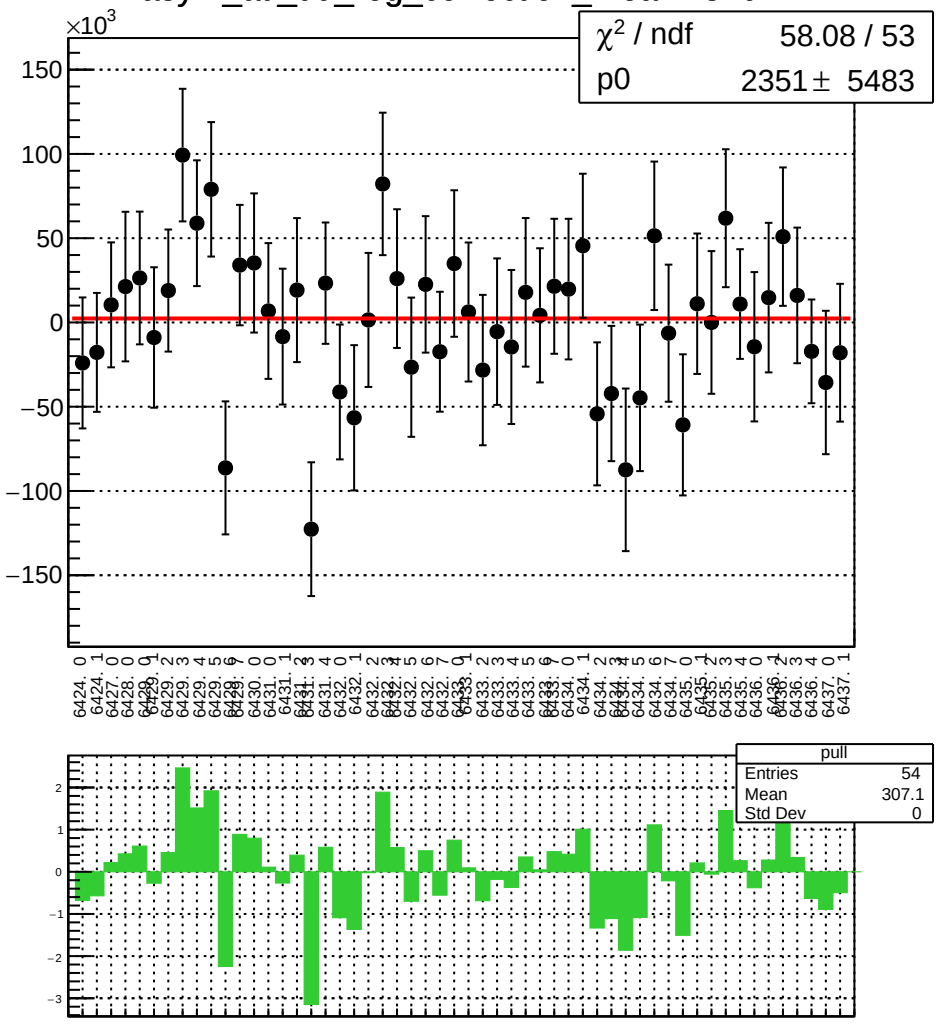

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.62 / 53
p0 1.554e−15 ± 8.299e−14
pull
Entries 54
Mean 34.89
Std Dev 14.01
pull1D
Entries 54
Mean 0.1495
Std Dev 1.092

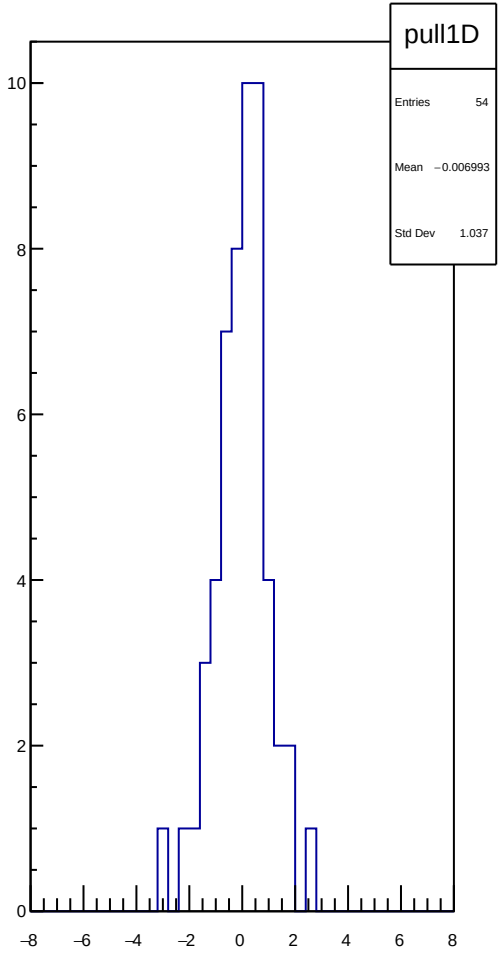

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.094e+05 / 53
p0 4.204e−11 ± 5.868e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

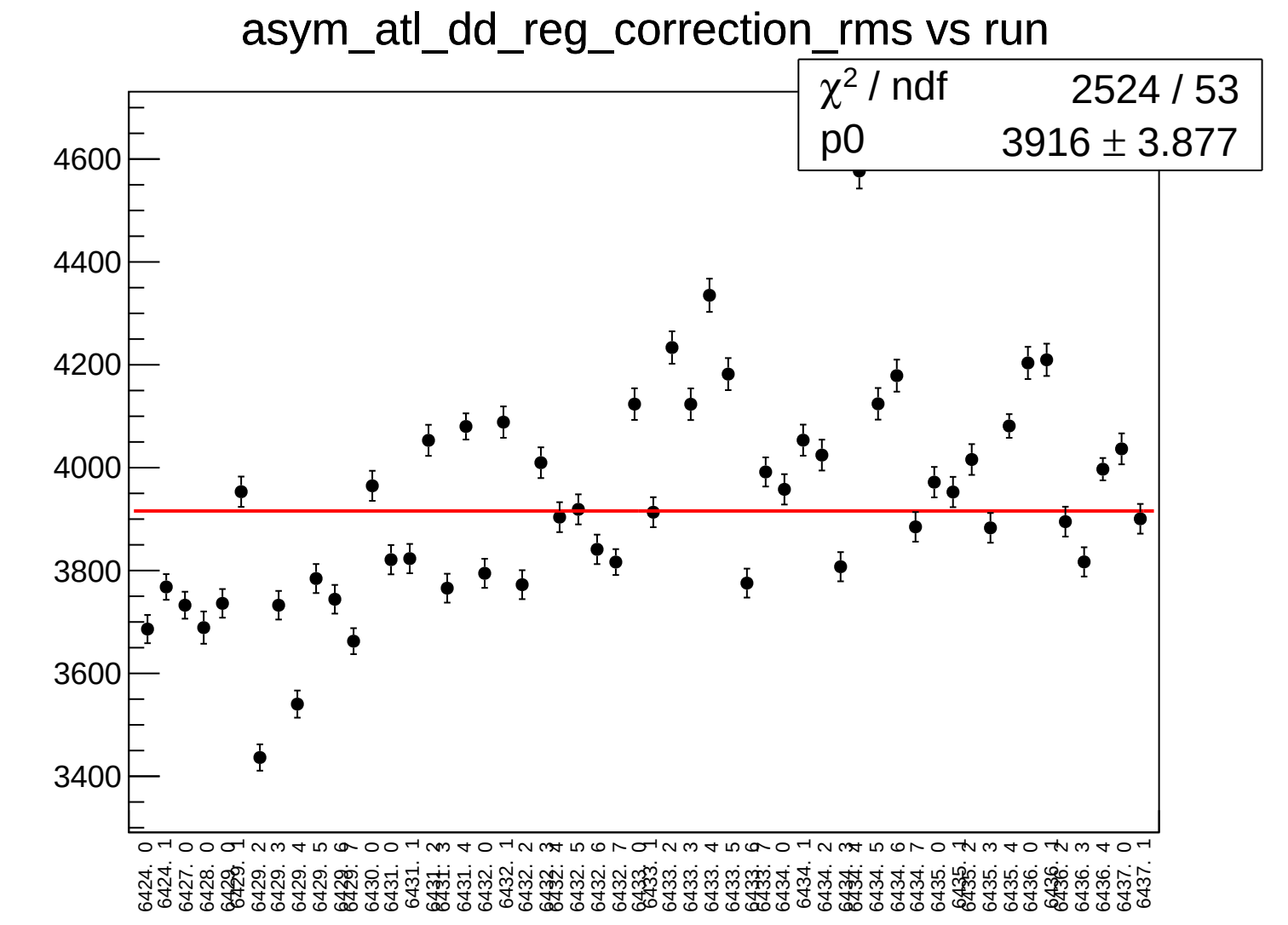

reg_asym_atl_dd_mean vs run
χ² / ndf 46.59 / 53
p0 1382 ± 2523
pull
Entries 54
Mean 13.56
Std Dev 6.871

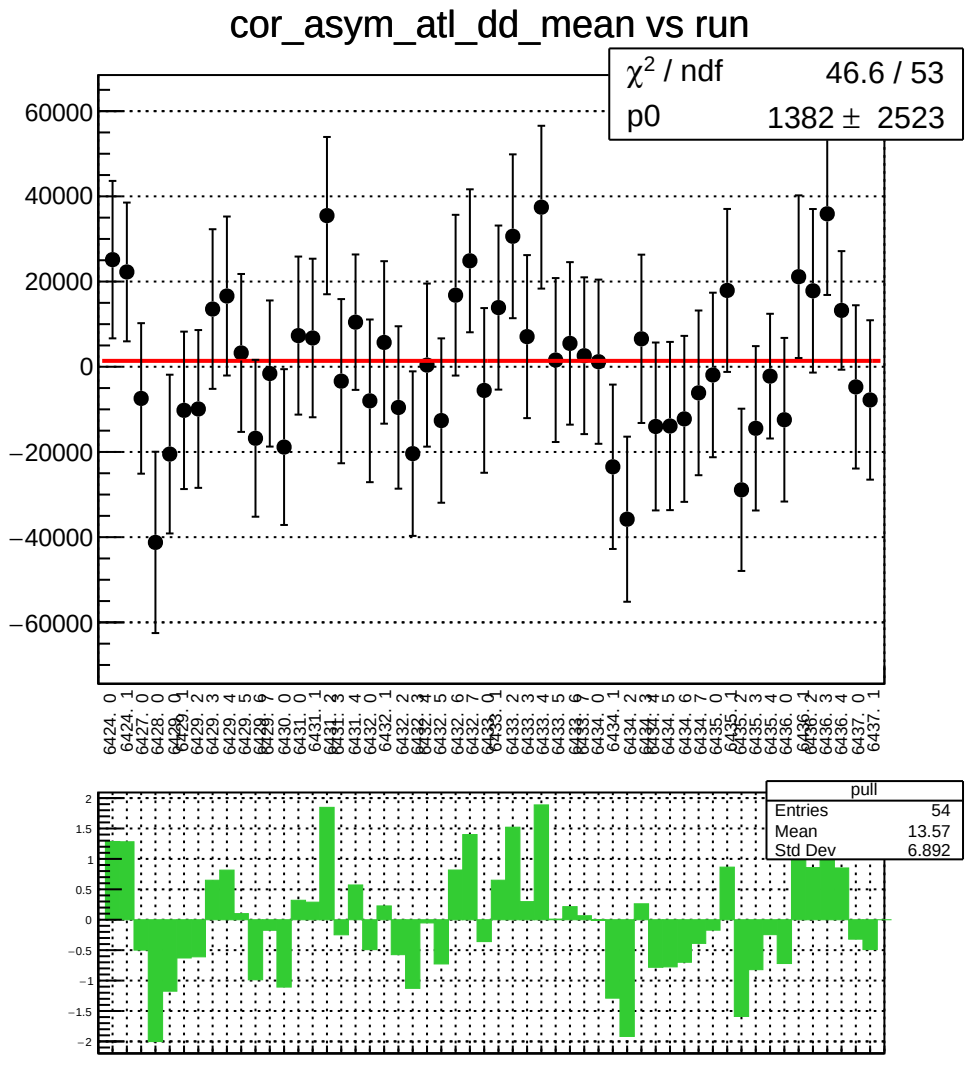

pull1D
Entries 54
Mean −0.01928
Std Dev 0.9287

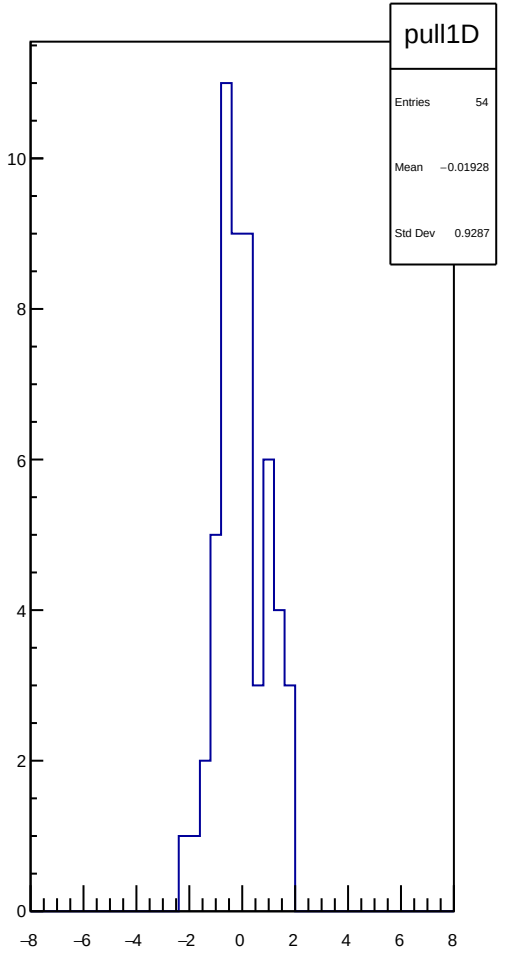

reg_asym_atl_dd_rms vs run
χ² / ndf 360.9 / 53
p0 1804 ± 1.784
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

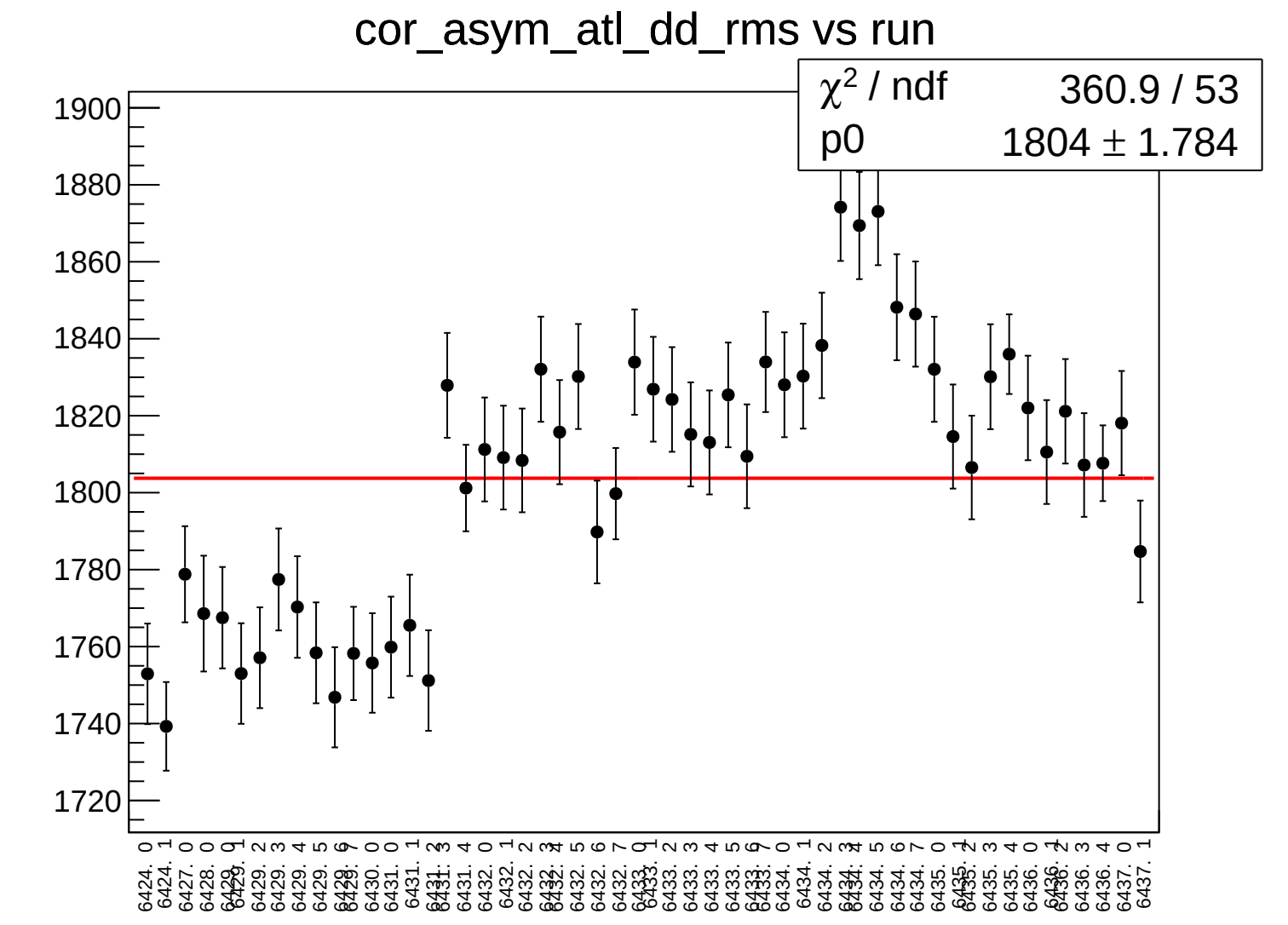

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 58.08 / 53
p0 2351 ± 5483
pull
Entries 54
Mean 307.1
Std Dev 0

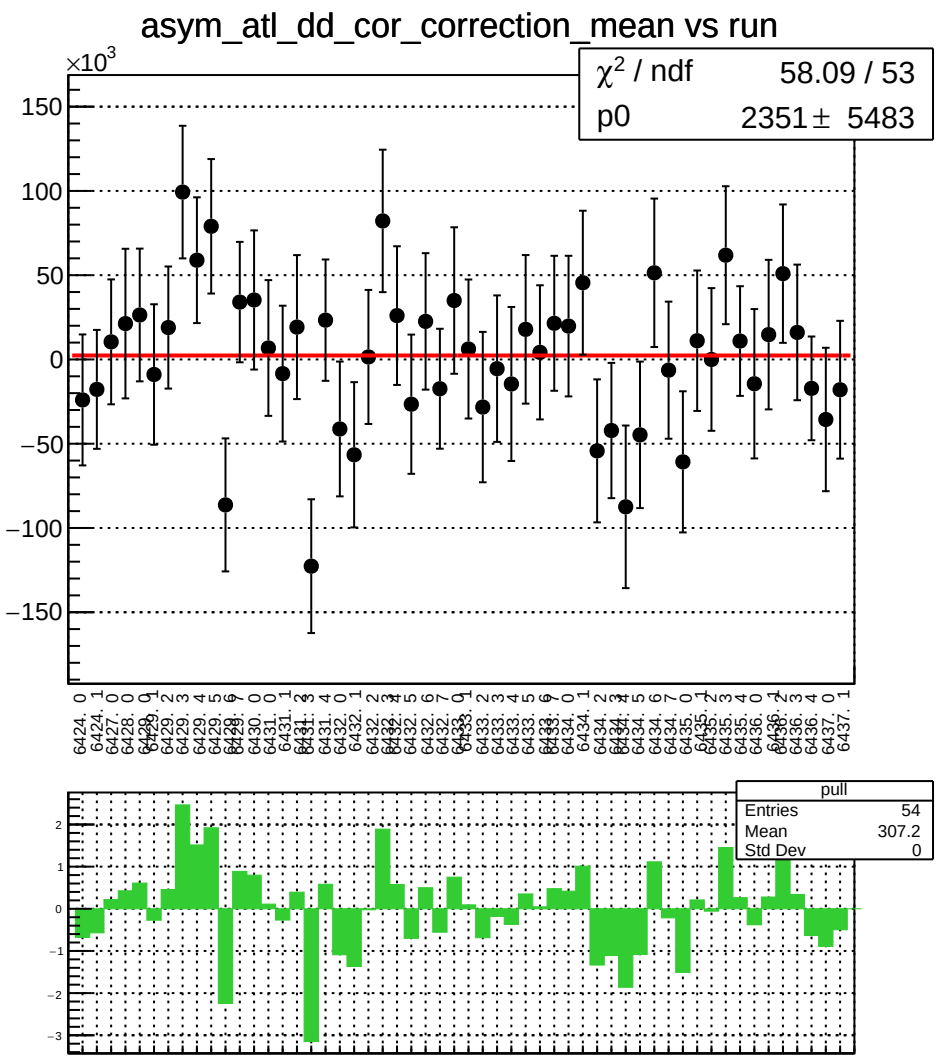

pull1D
Entries 54
Mean −0.006993
Std Dev 1.037

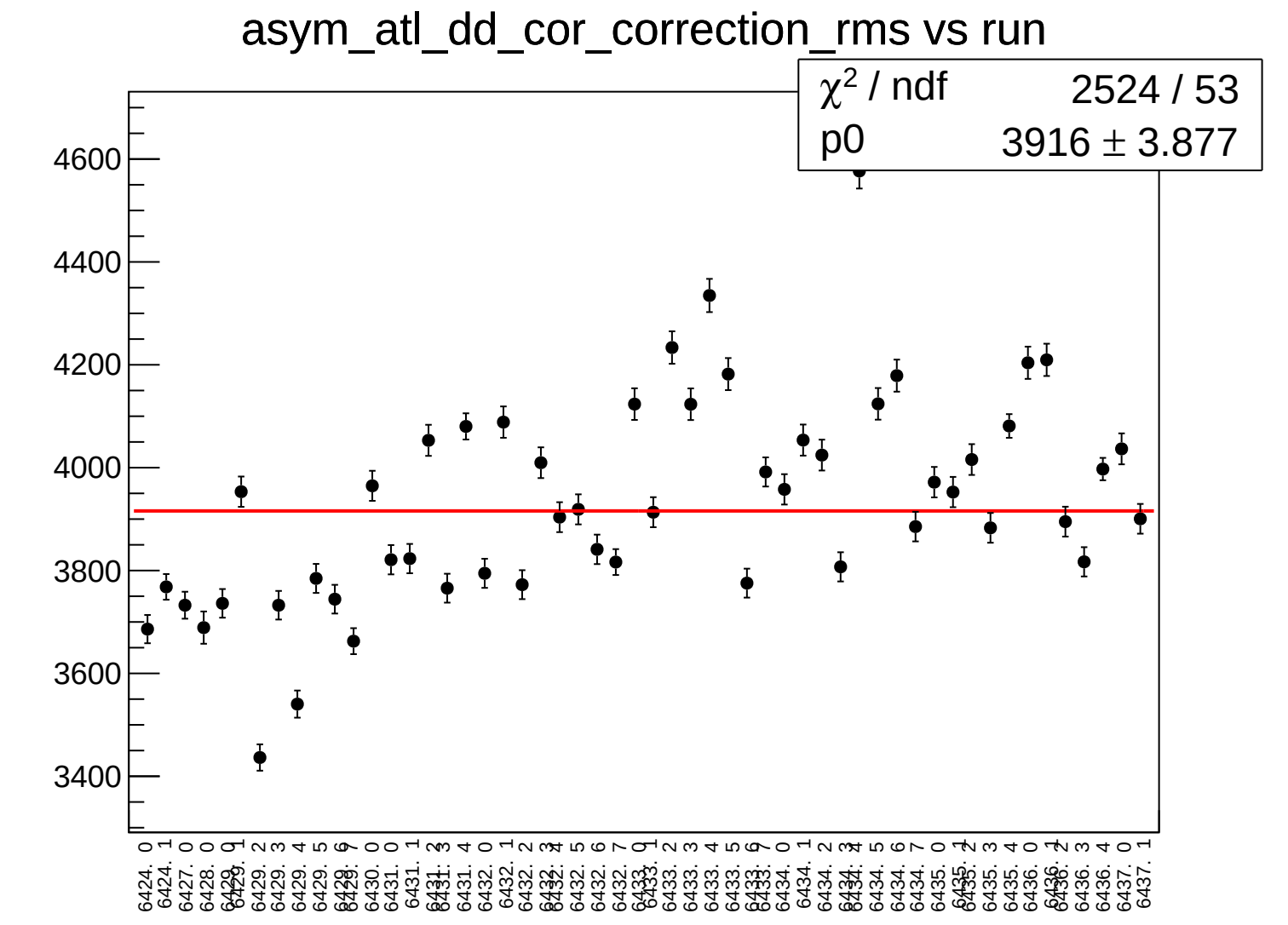

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 2524 / 53
p0 3916 ± 3.877
4600
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

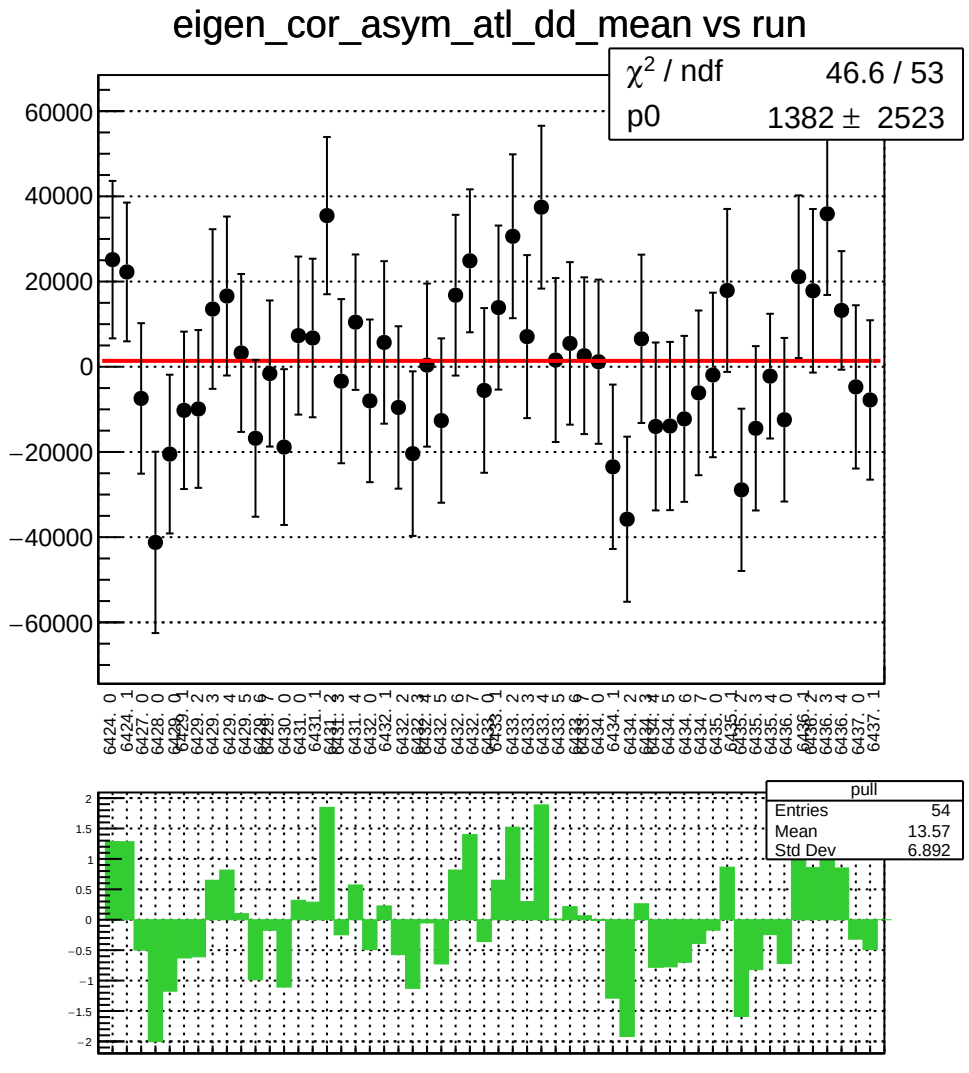

cor_asym_atl_dd_mean vs run
χ² / ndf 46.6 / 53
p0 1382 ± 2523
pull
Entries 54
Mean 13.57
Std Dev 6.892

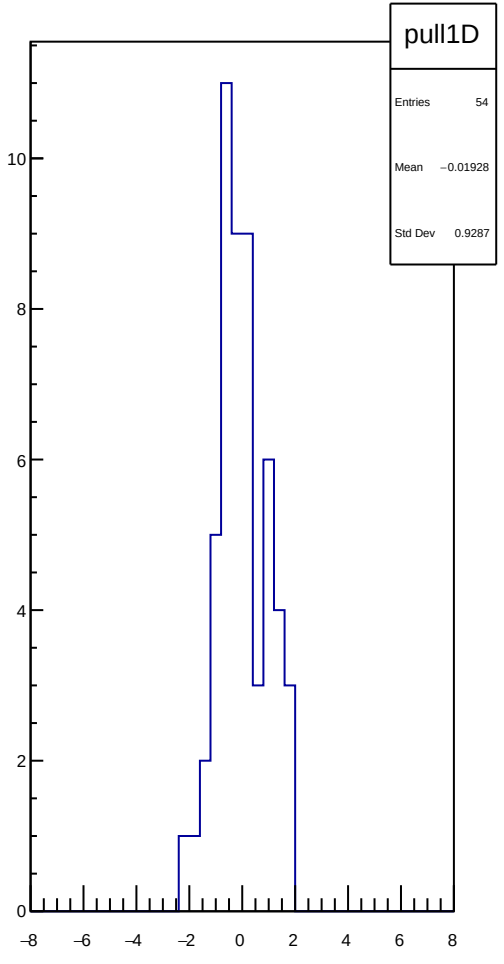

pull1D
Entries 54
Mean −0.01928
Std Dev 0.9287

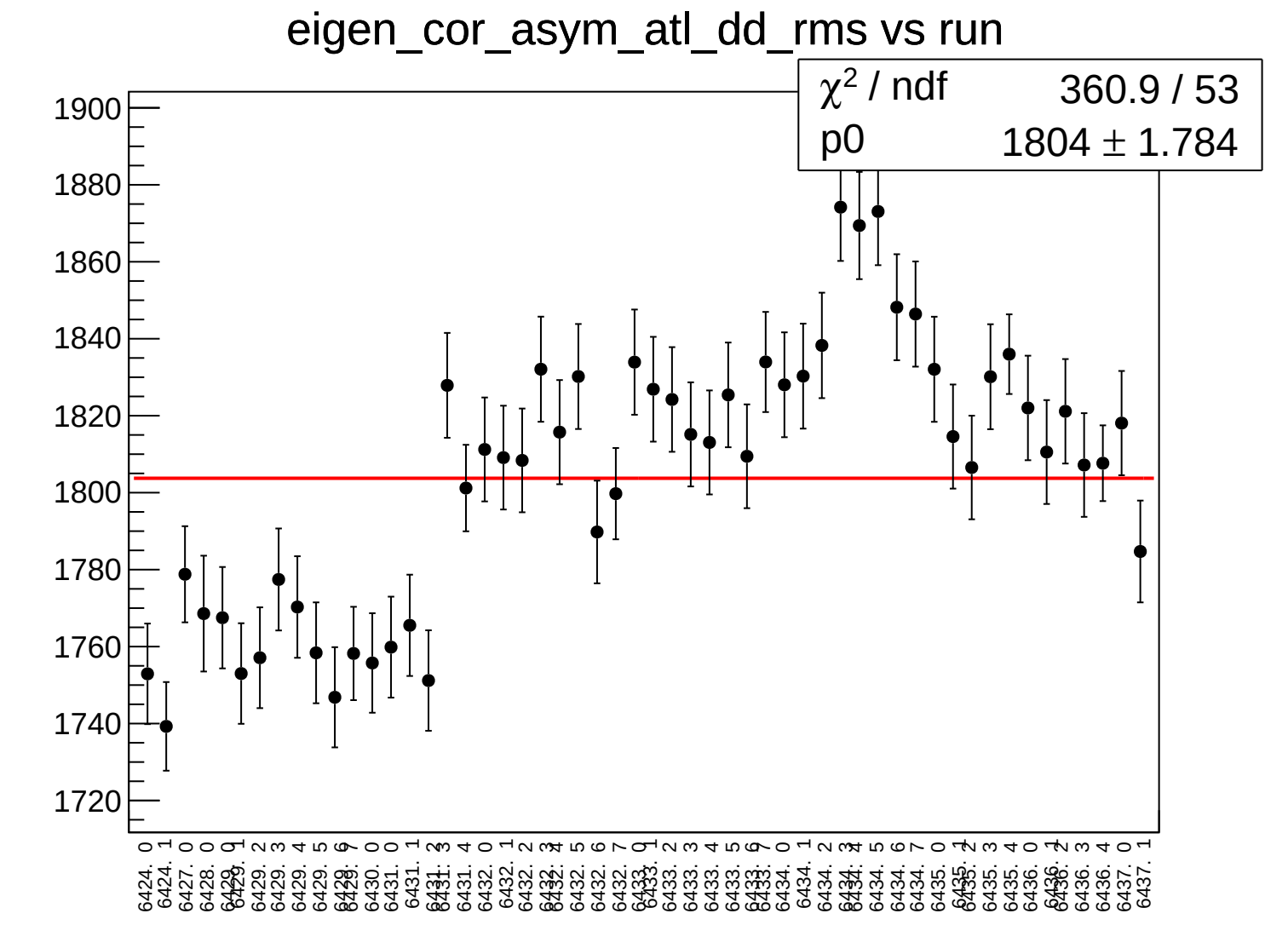

cor_asym_atl_dd_rms vs run
χ² / ndf 360.9 / 53
p0 1804 ± 1.784
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

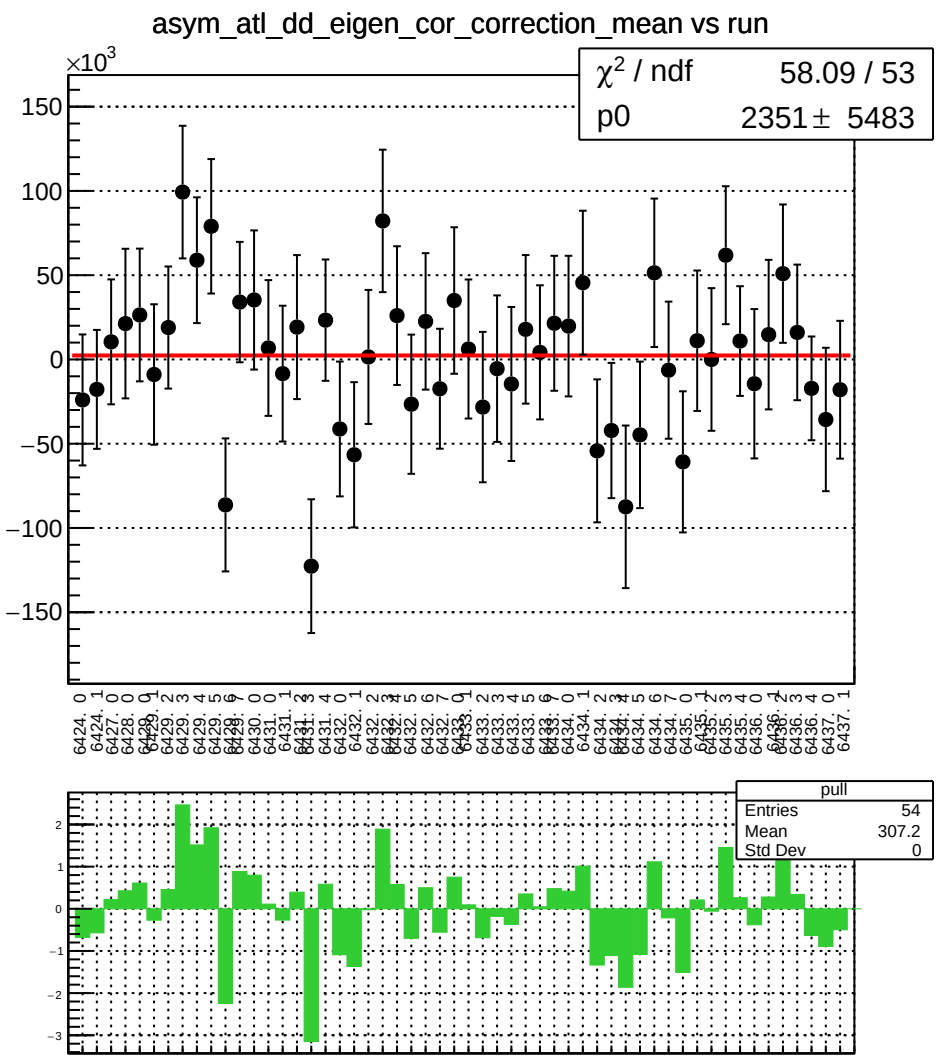

asym_atl_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.09 / 53
p0 2351 ± 5483
150
100
50
0
−50
−100
−150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 307.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.006991
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

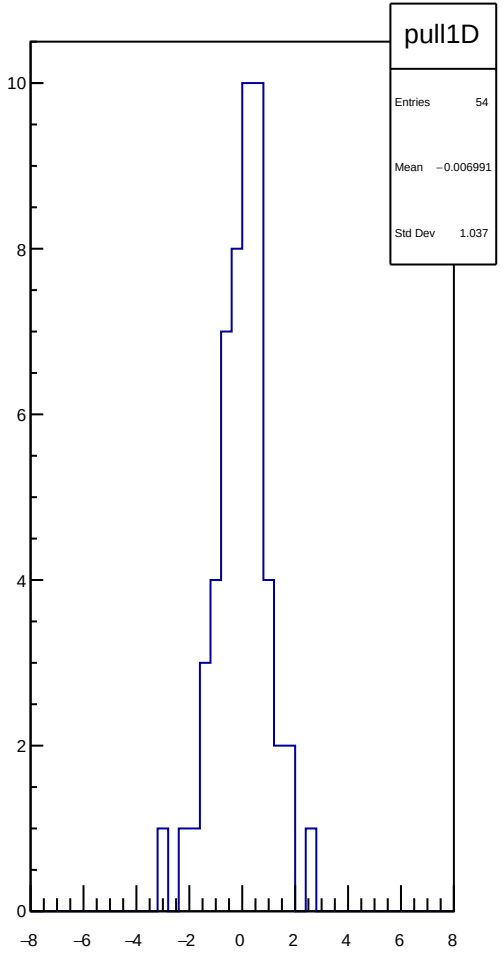

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 2524 / 53
p0 3916 ± 3.877
4600
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

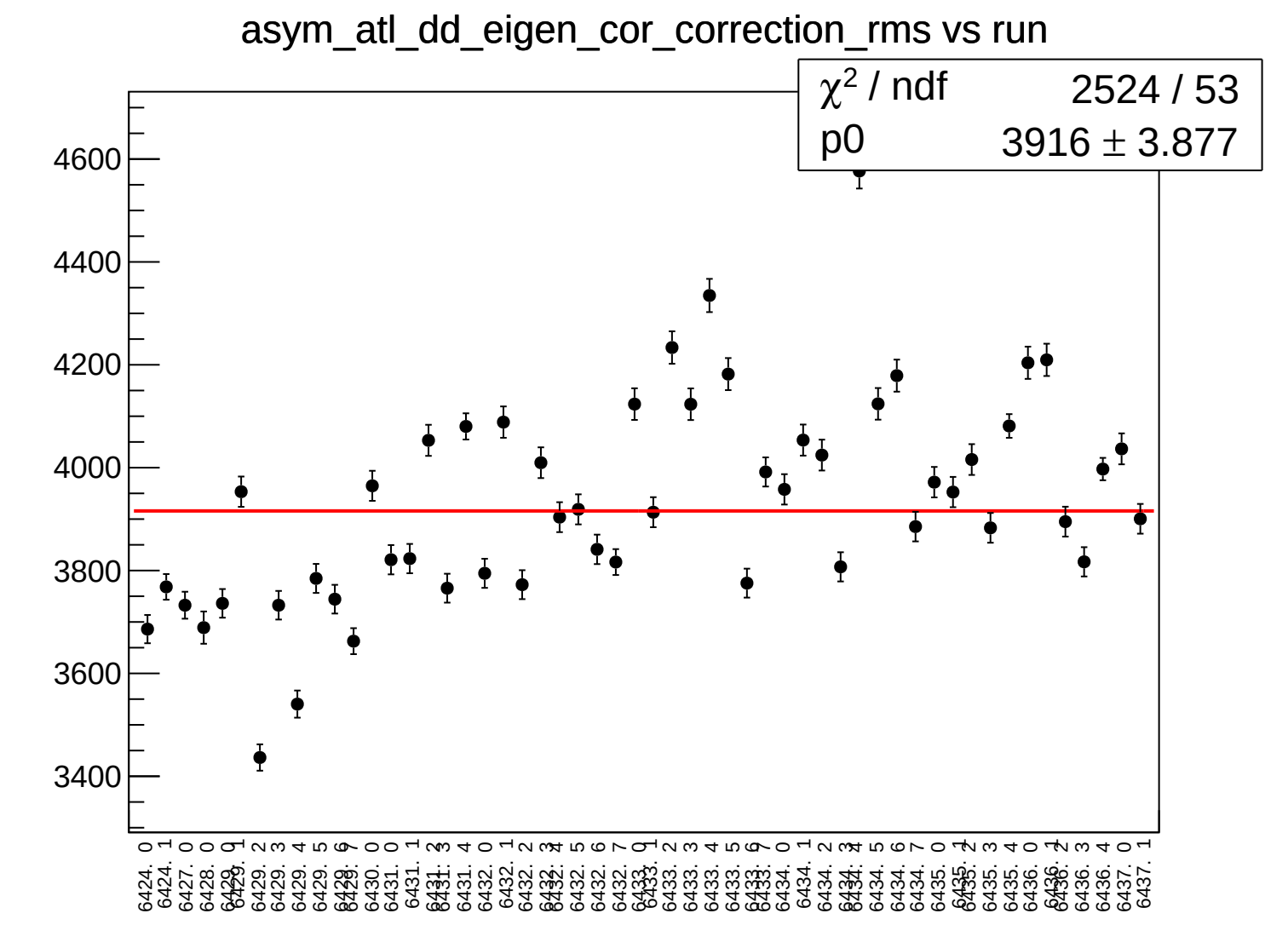

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 46.6 / 53
p0 1382 ± 2523
pull
Entries 54
Mean 13.57
Std Dev 6.892

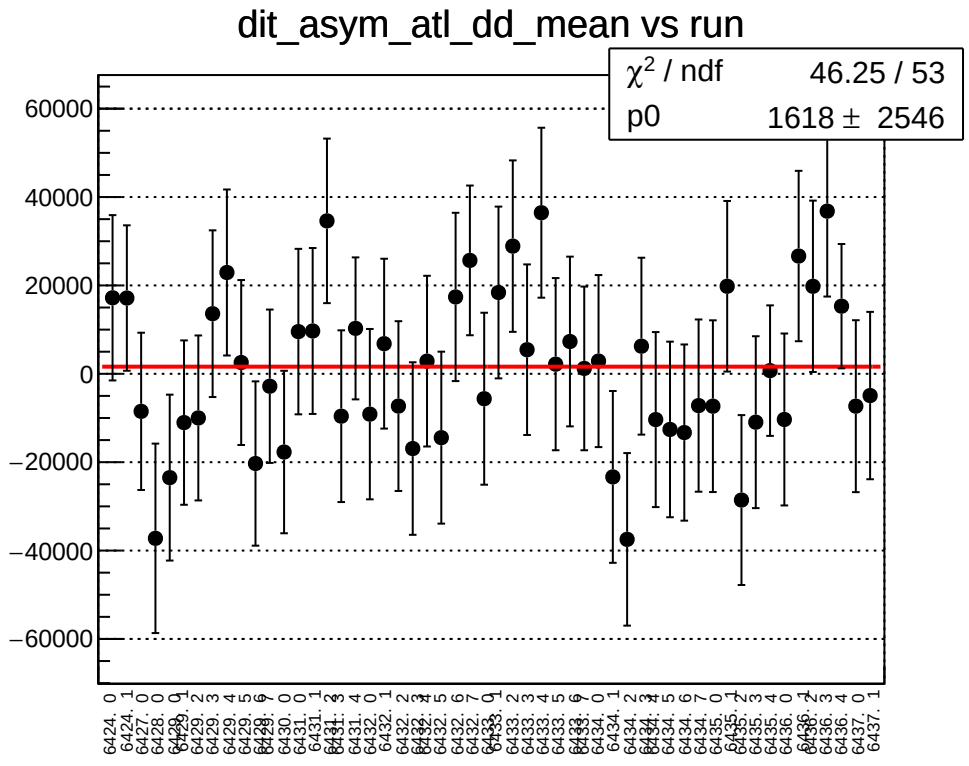

pull1D
Entries 54
Mean −0.01928
Std Dev 0.9287

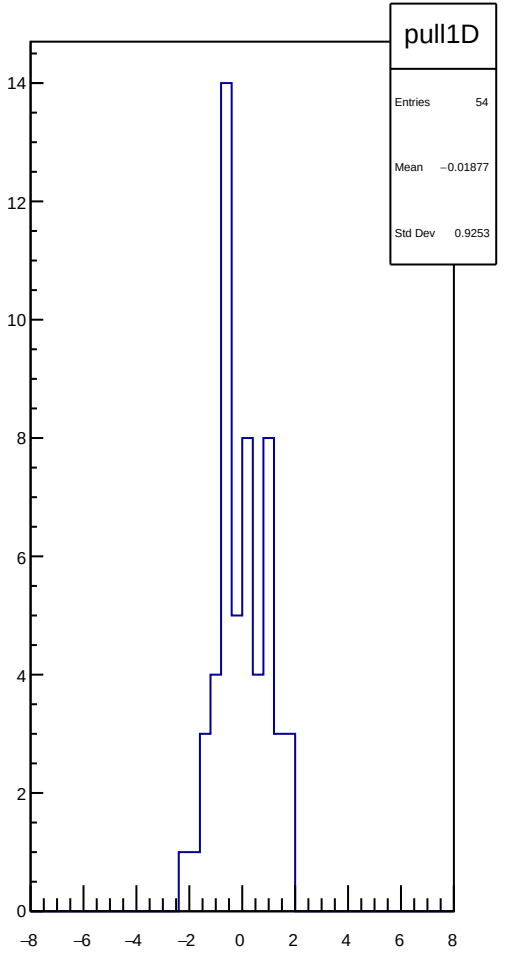

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 360.9 / 53
p0 1804 ± 1.784
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

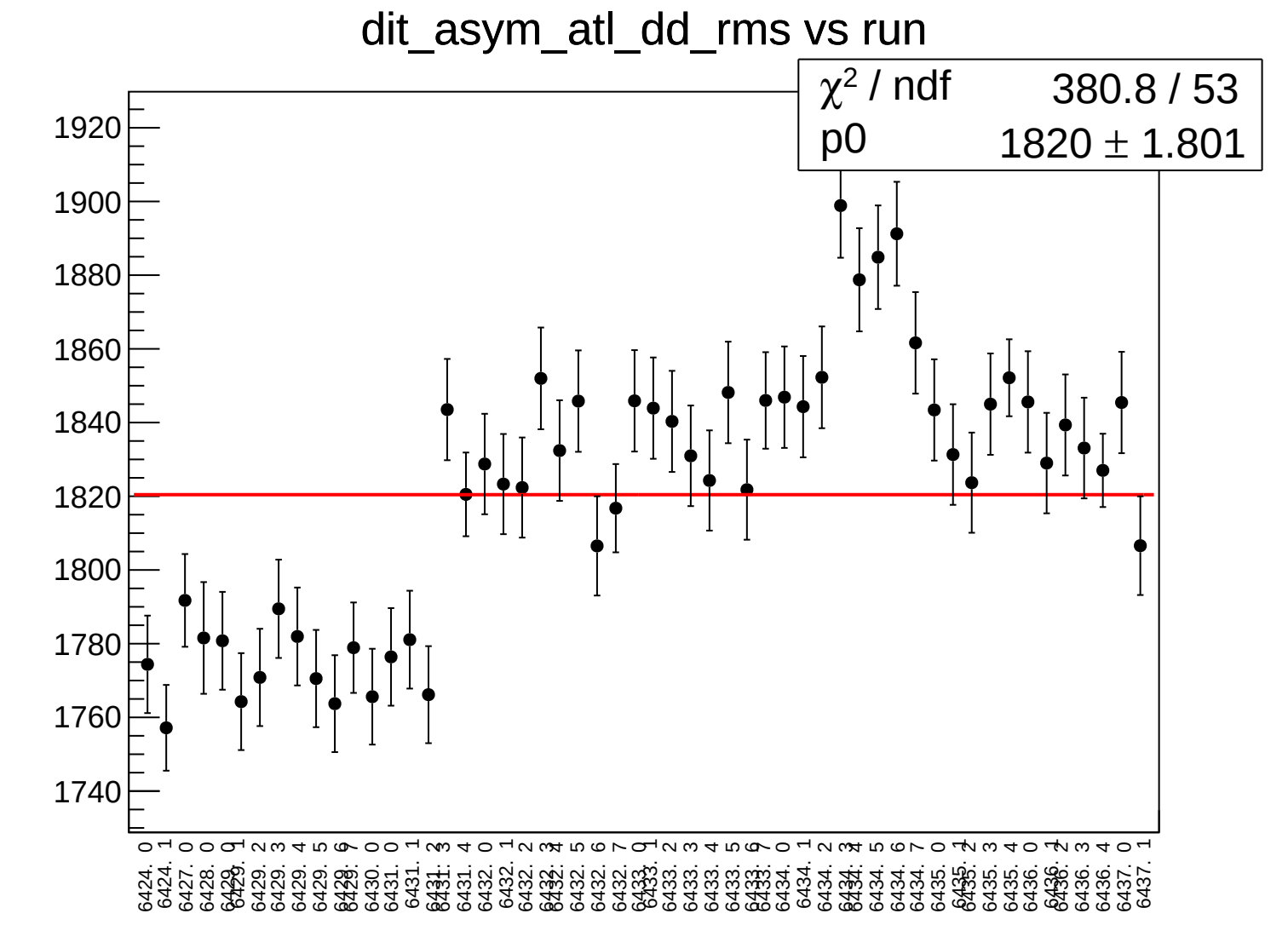

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.09 / 53
p0 2351 ± 5483
pull
Entries 54
Mean 307.2
Std Dev 0

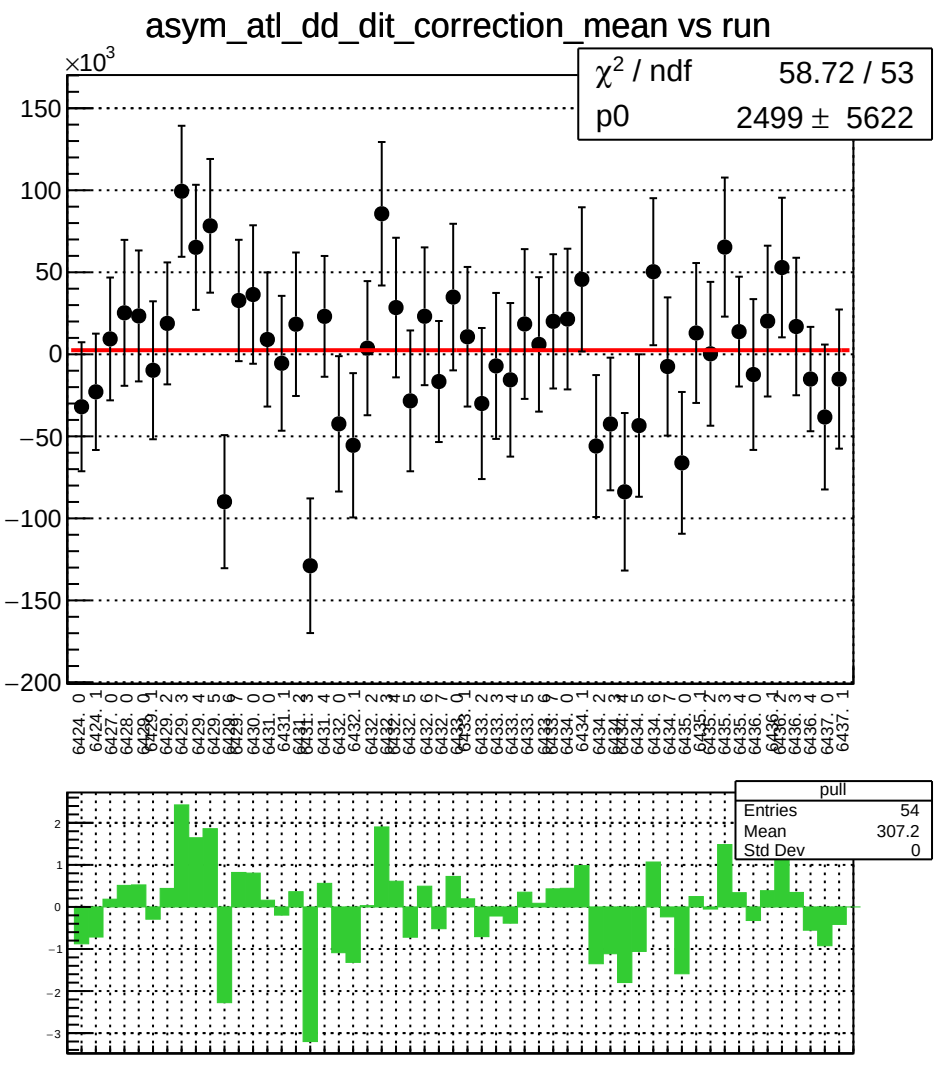

pull1D
Entries 54
Mean −0.006991
Std Dev 1.037

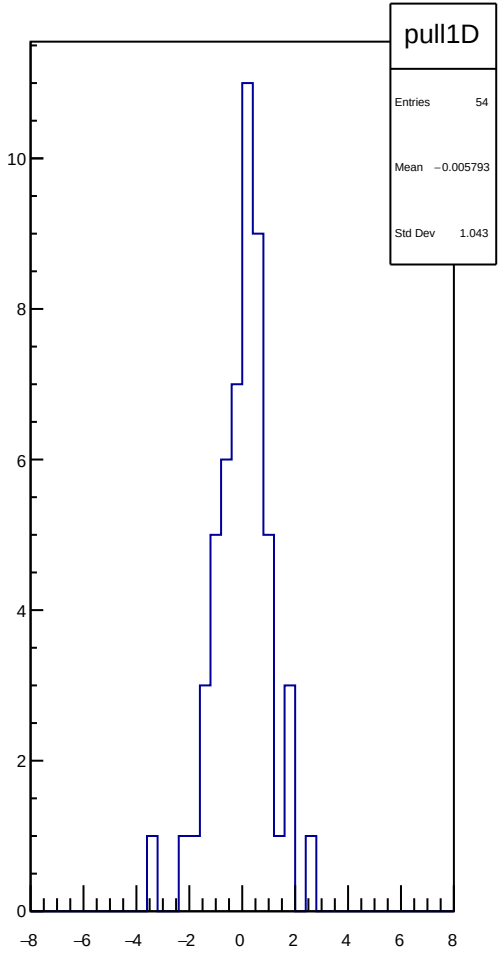

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 2524 / 53
p0 3916 ± 3.877
4600
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

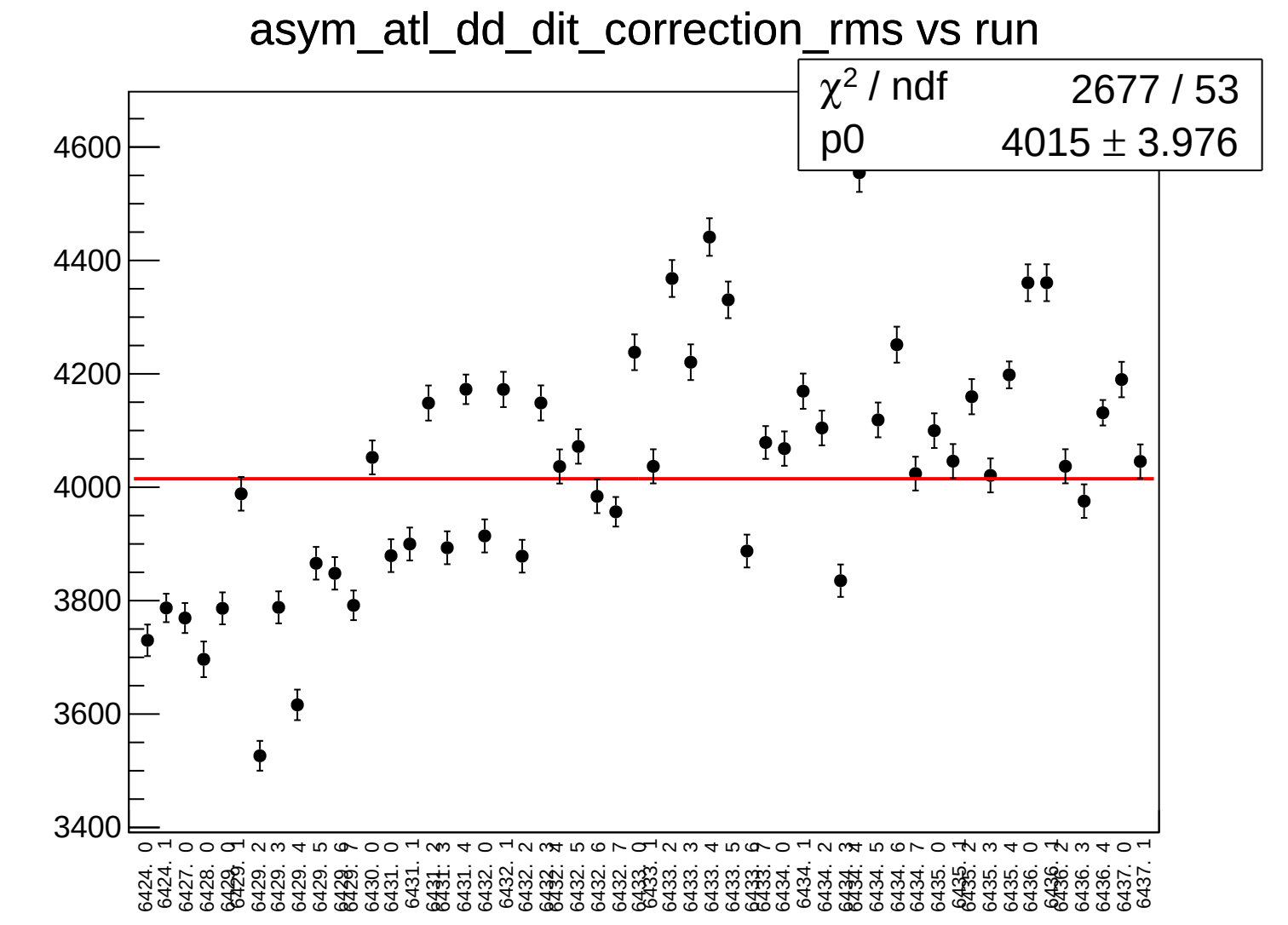

dit_asym_atl_dd_mean vs run
χ² / ndf 46.25 / 53
p0 1618 ± 2546
60000
40000
20000
0
−20000
−40000
−60000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −24.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

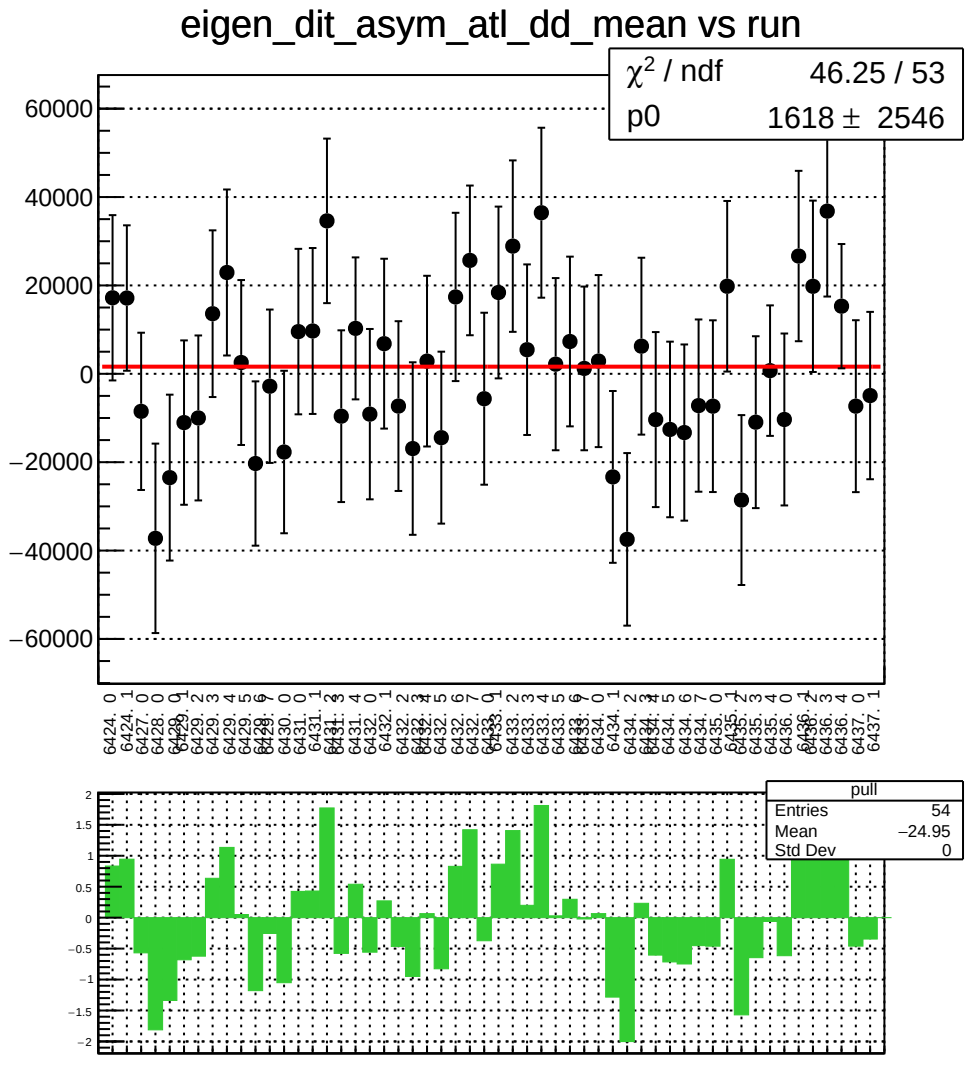

pull1D
Entries 54
Mean −0.01877
Std Dev 0.9253
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

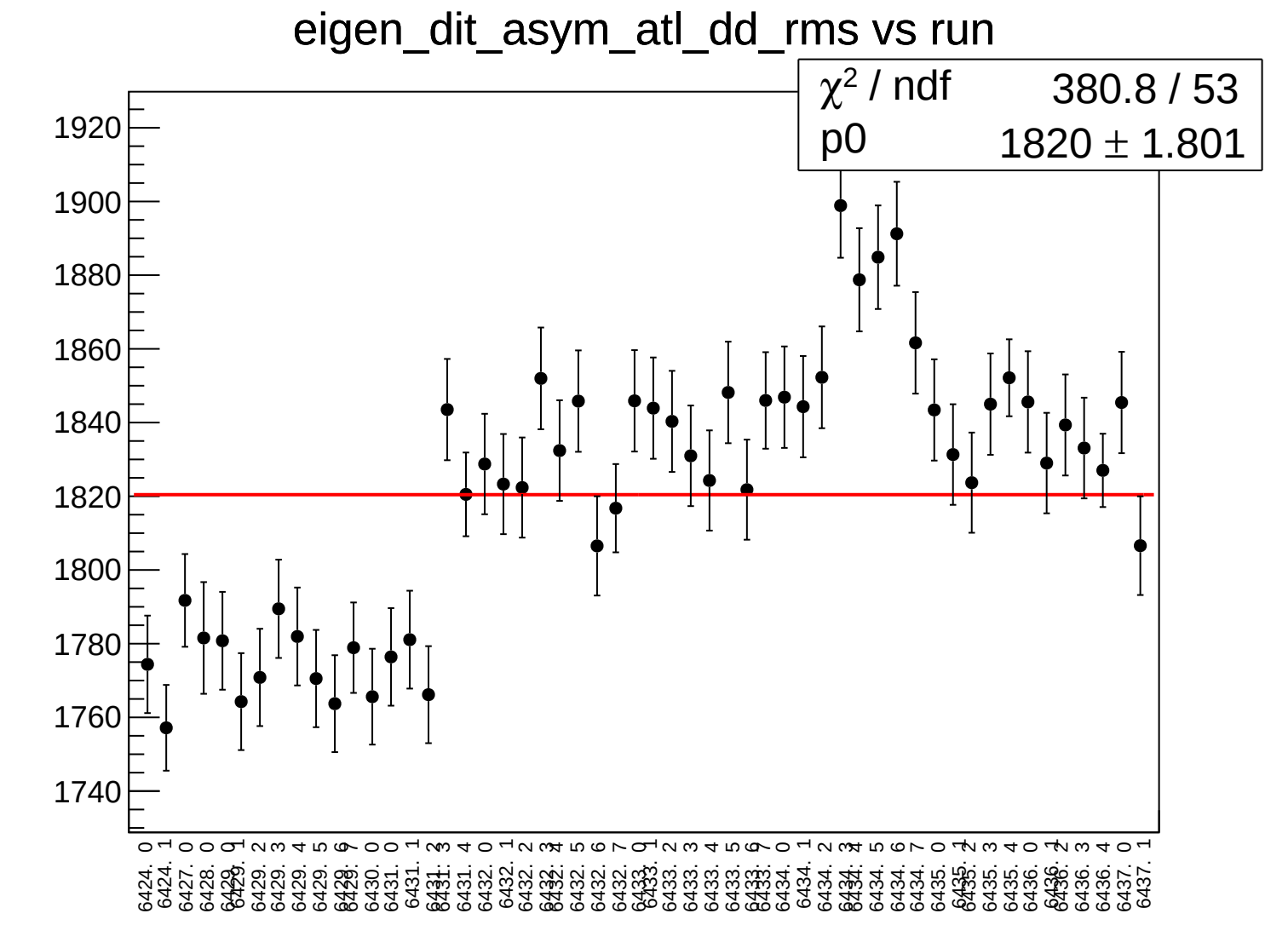

dit_asym_atl_dd_rms vs run
χ² / ndf 380.8 / 53
p0 1820 ± 1.801
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

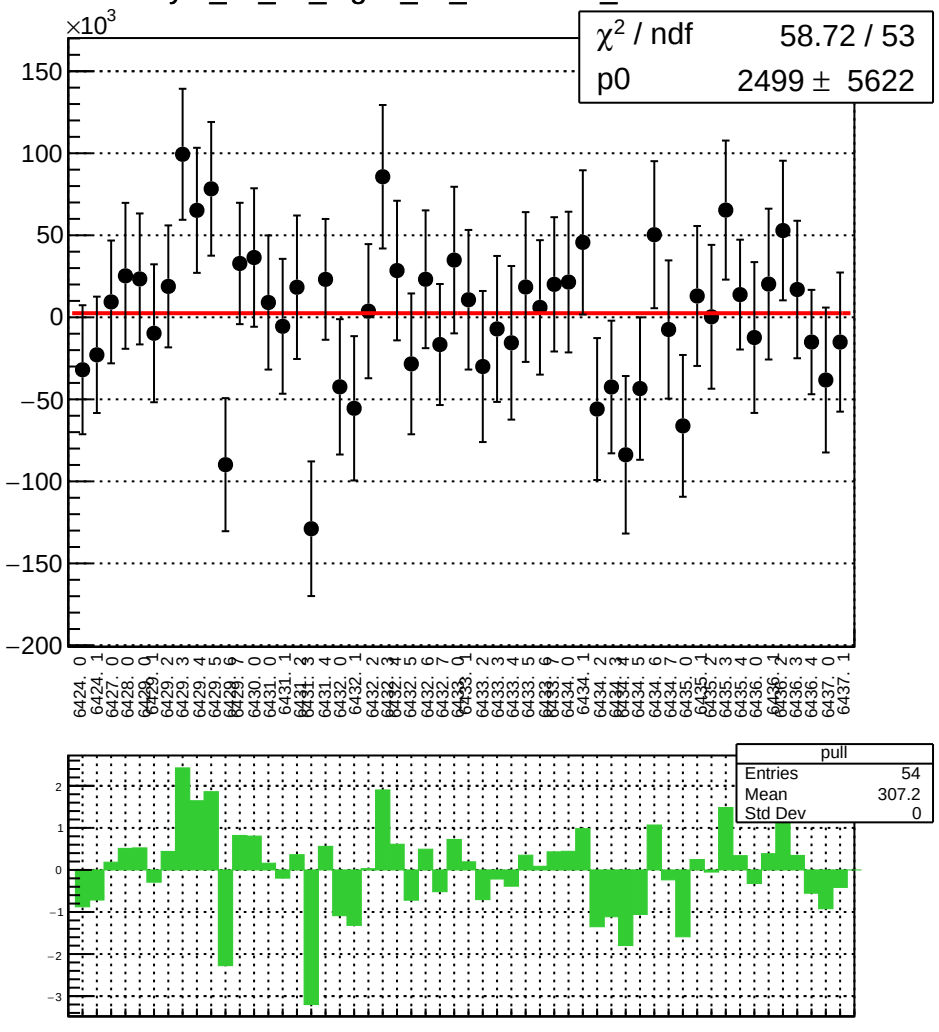

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 58.72 / 53
p0 2499 ± 5622
×10³
pull
Entries 54
Mean 307.2
Std Dev 0

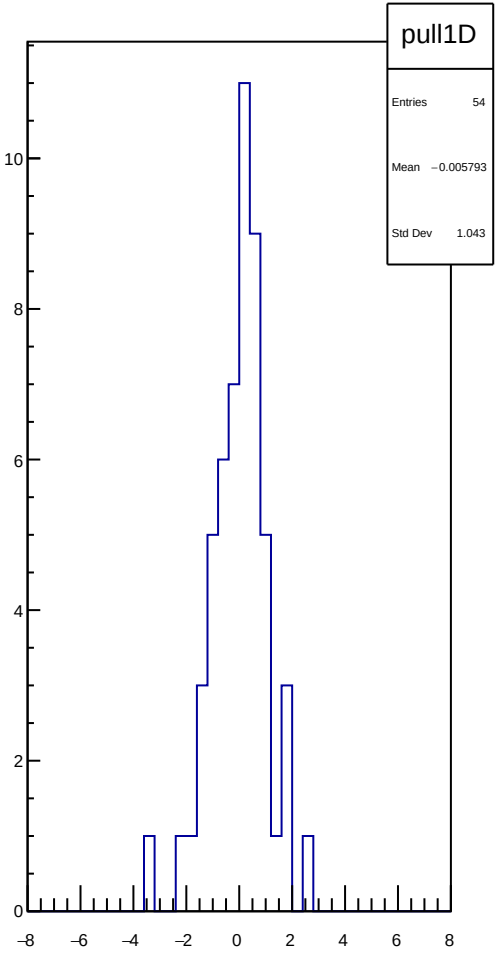

pull1D
Entries 54
Mean −0.005793
Std Dev 1.043

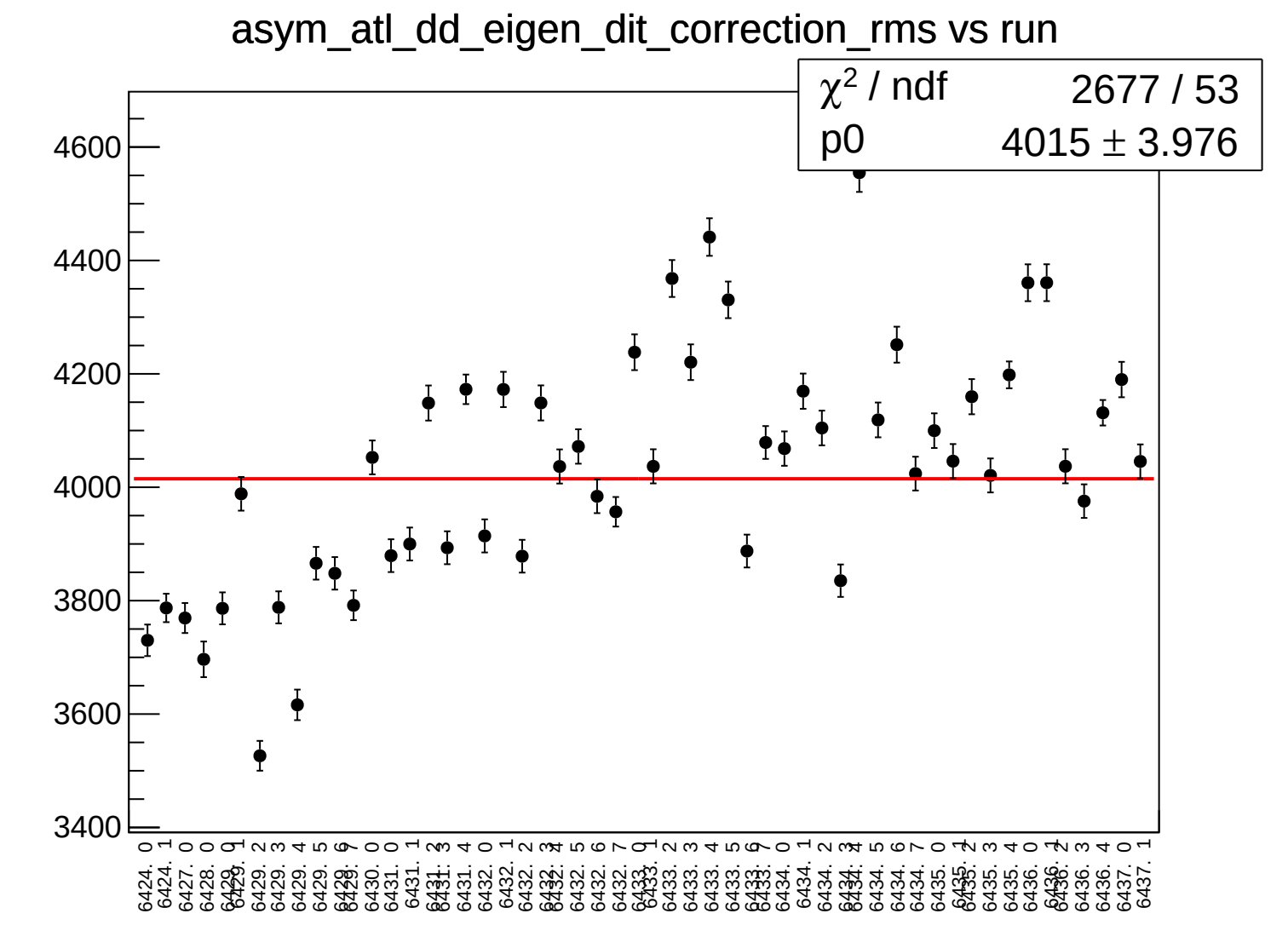

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 2677 / 53
p0 4015 ± 3.976
4600
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

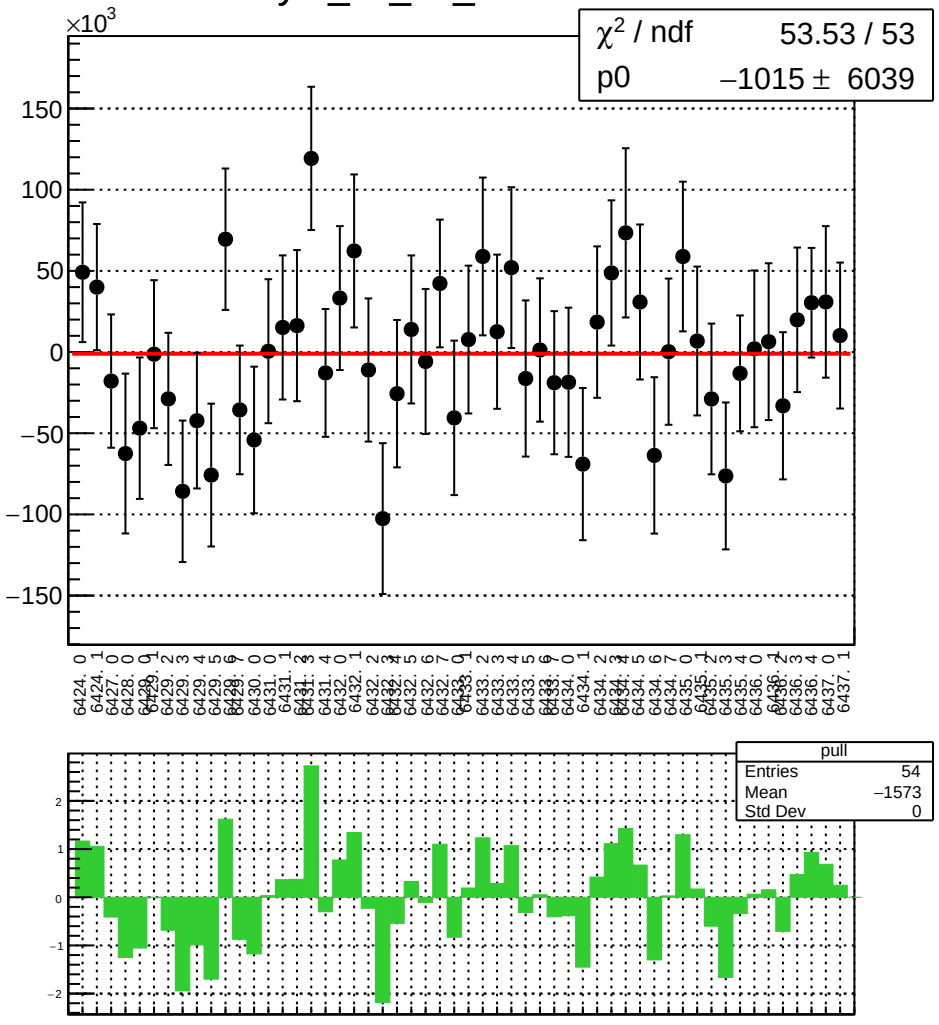

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 46.25 / 53
p0 1618 ± 2546
pull
Entries 54
Mean −24.95
Std Dev 0
pull1D
Entries 54
Mean −0.01877
Std Dev 0.9253

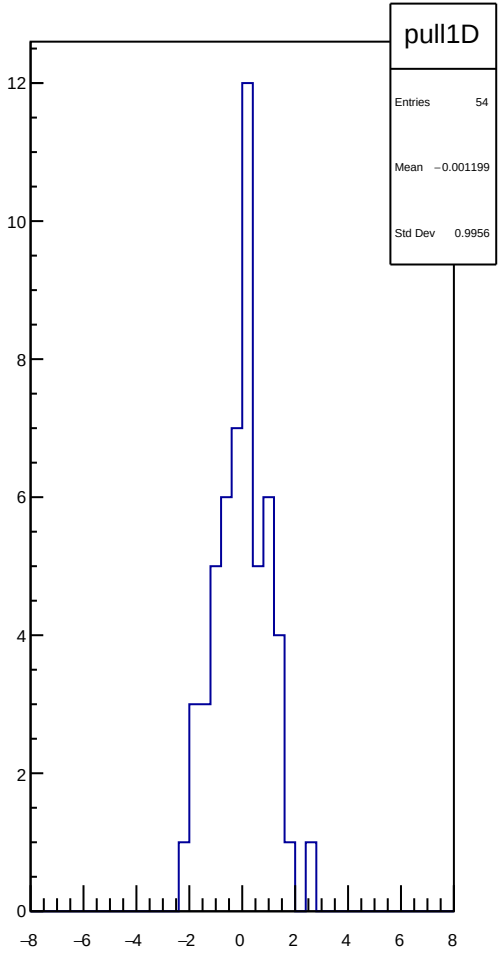

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 380.8 / 53
p0 1820 ± 1.801
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

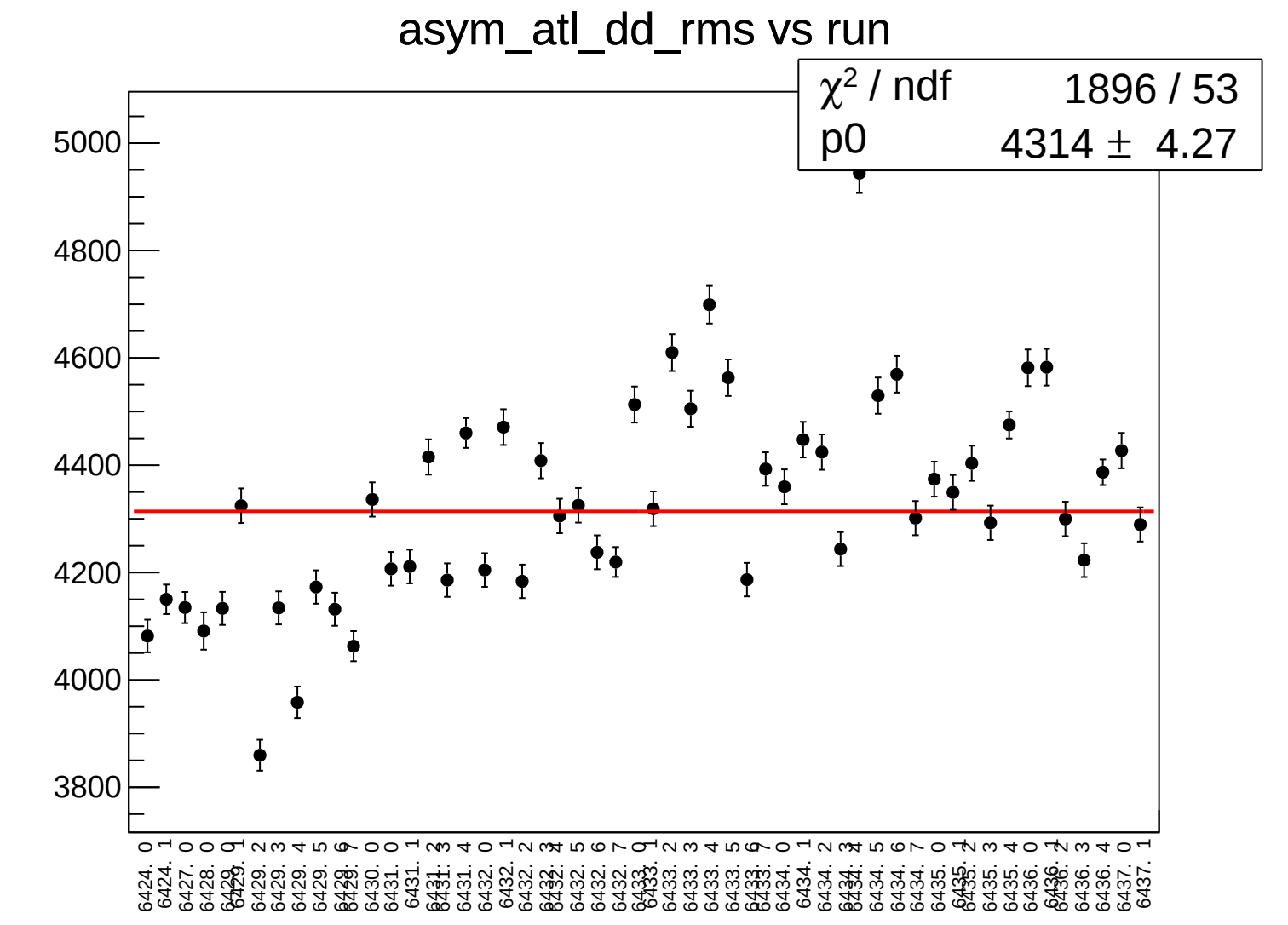

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.72 / 53
p0 2499 ± 5622
pull
Entries 54
Mean 307.2
Std Dev 0

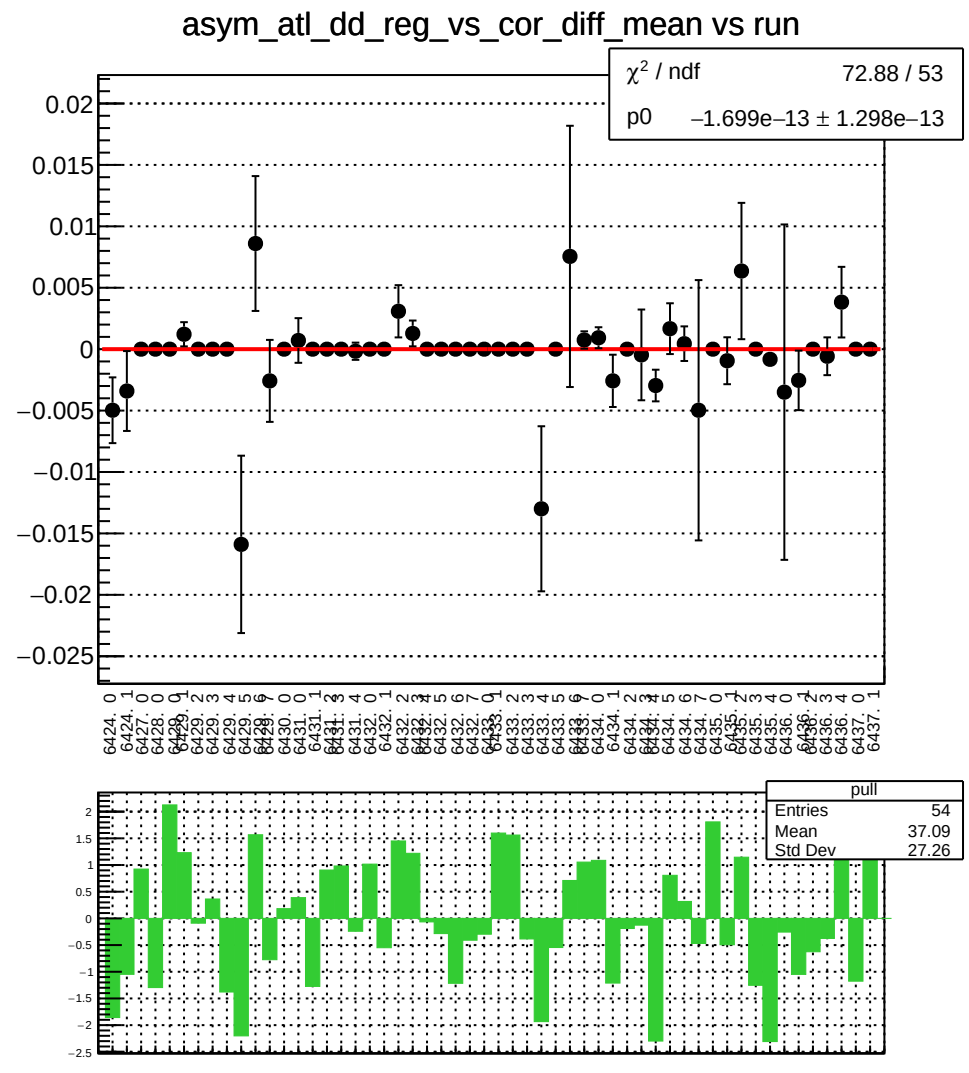

pull1D
Entries 54
Mean −0.005793
Std Dev 1.043

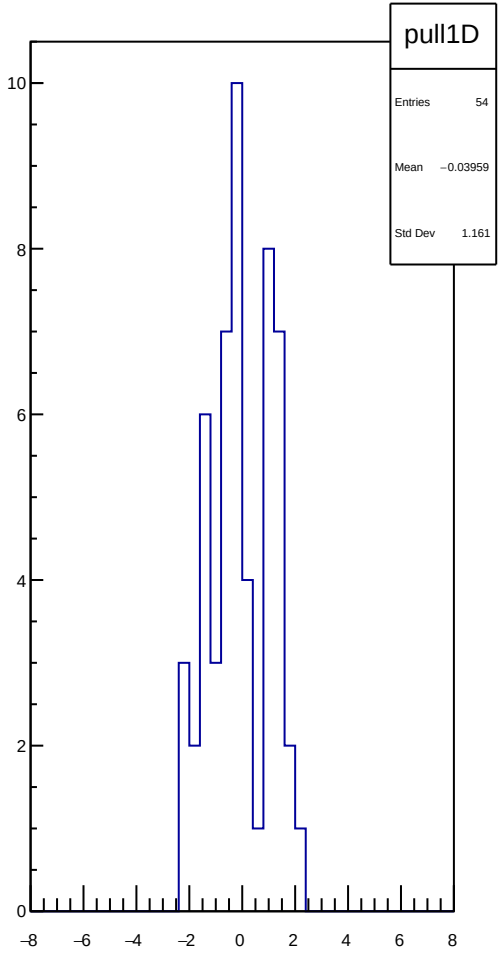

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2677 / 53
p0 4015 ± 3.976
4600
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

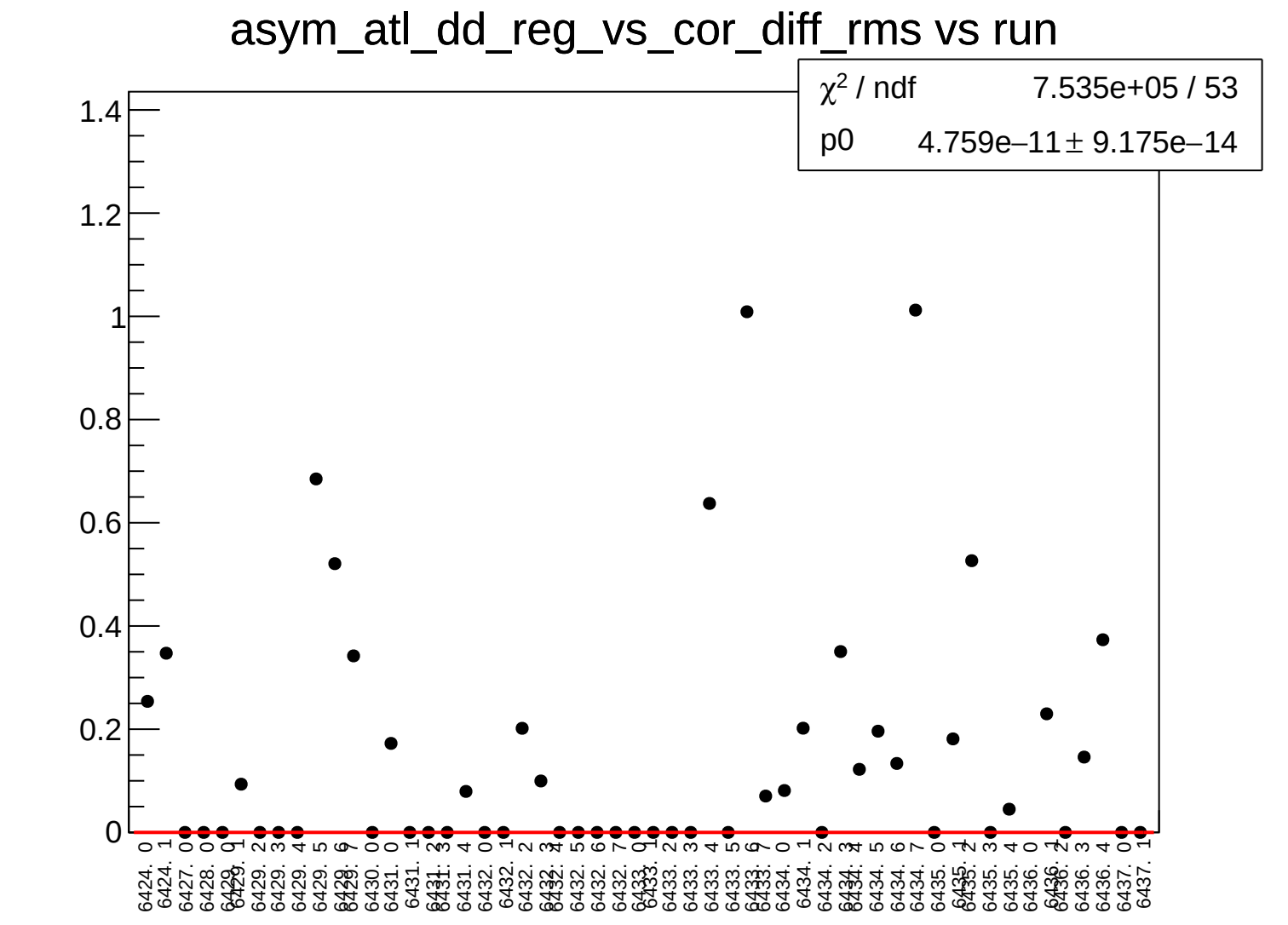

asym_atl_dd_mean vs run
×10^3
χ² / ndf 53.53 / 53
p0 −1015 ± 6039
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −1573
Std Dev 0
2
1
0
−1
−2

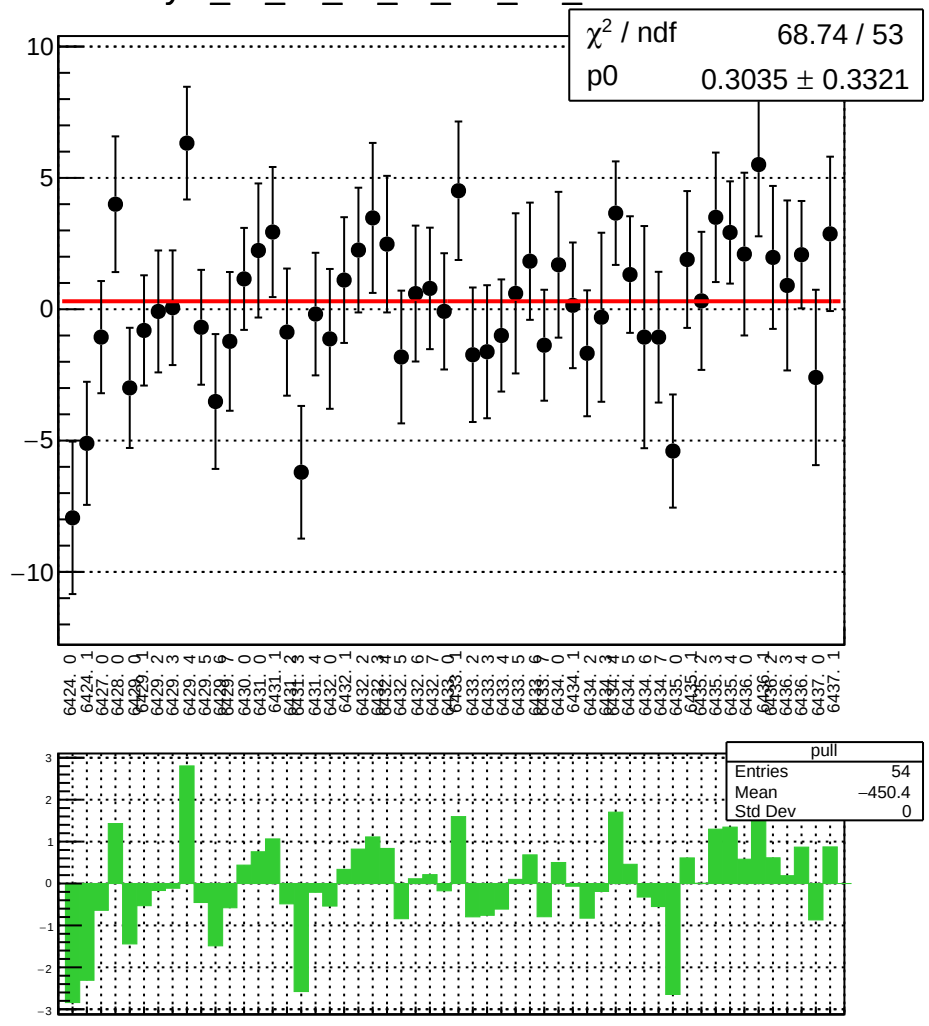

pull1D
Entries 54
Mean −0.001199
Std Dev 0.9956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

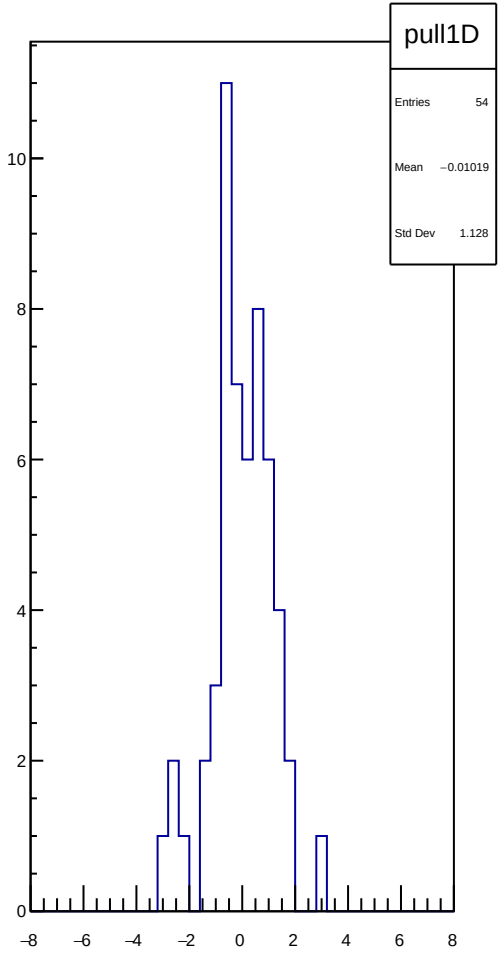

asym_atl_dd_rms vs run
χ^2 / ndf 1896 / 53
p0 4314 ± 4.27
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

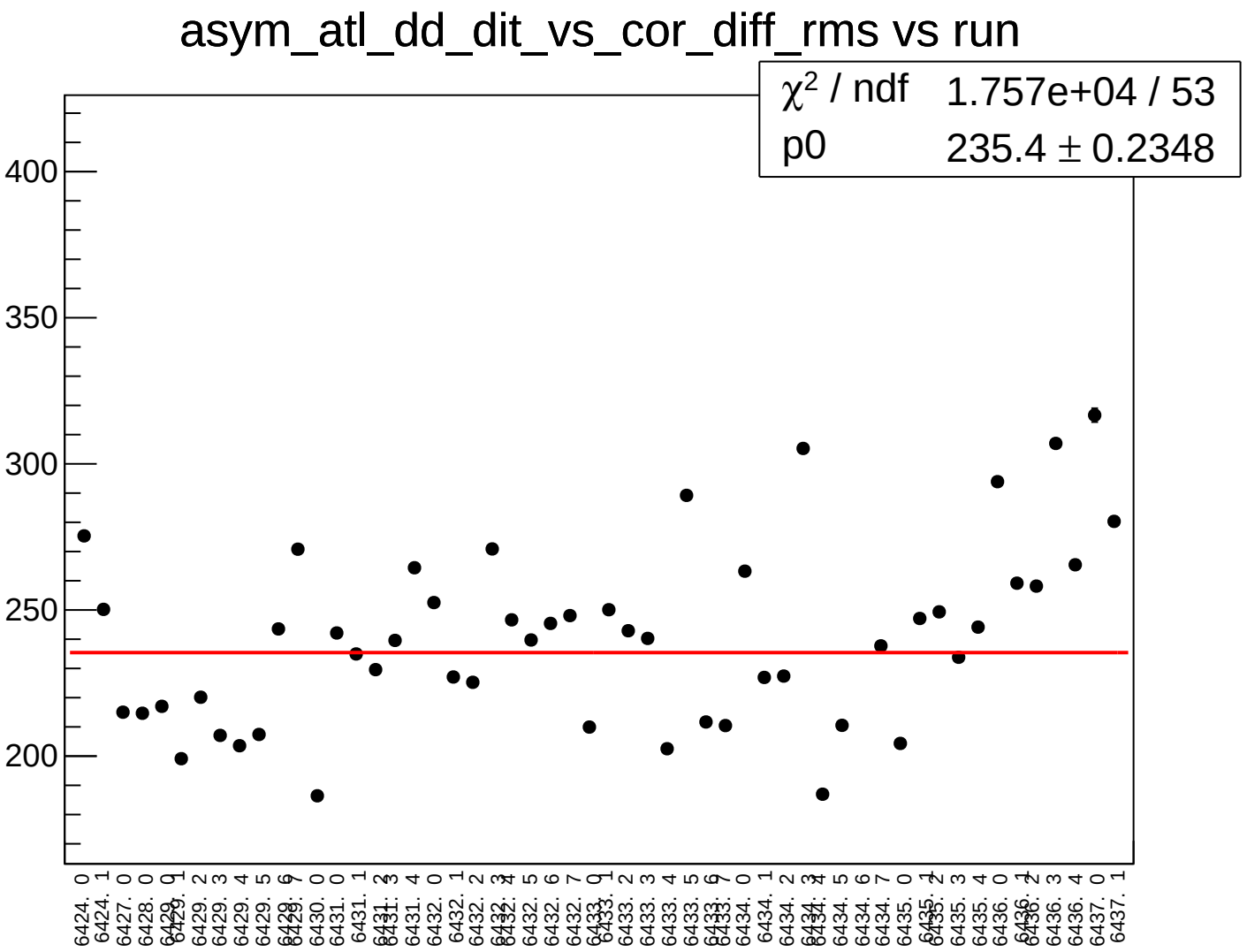

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.88 / 53
p0 −1.699e−13 ± 1.298e−13
pull
Entries 54
Mean 37.09
Std Dev 27.26

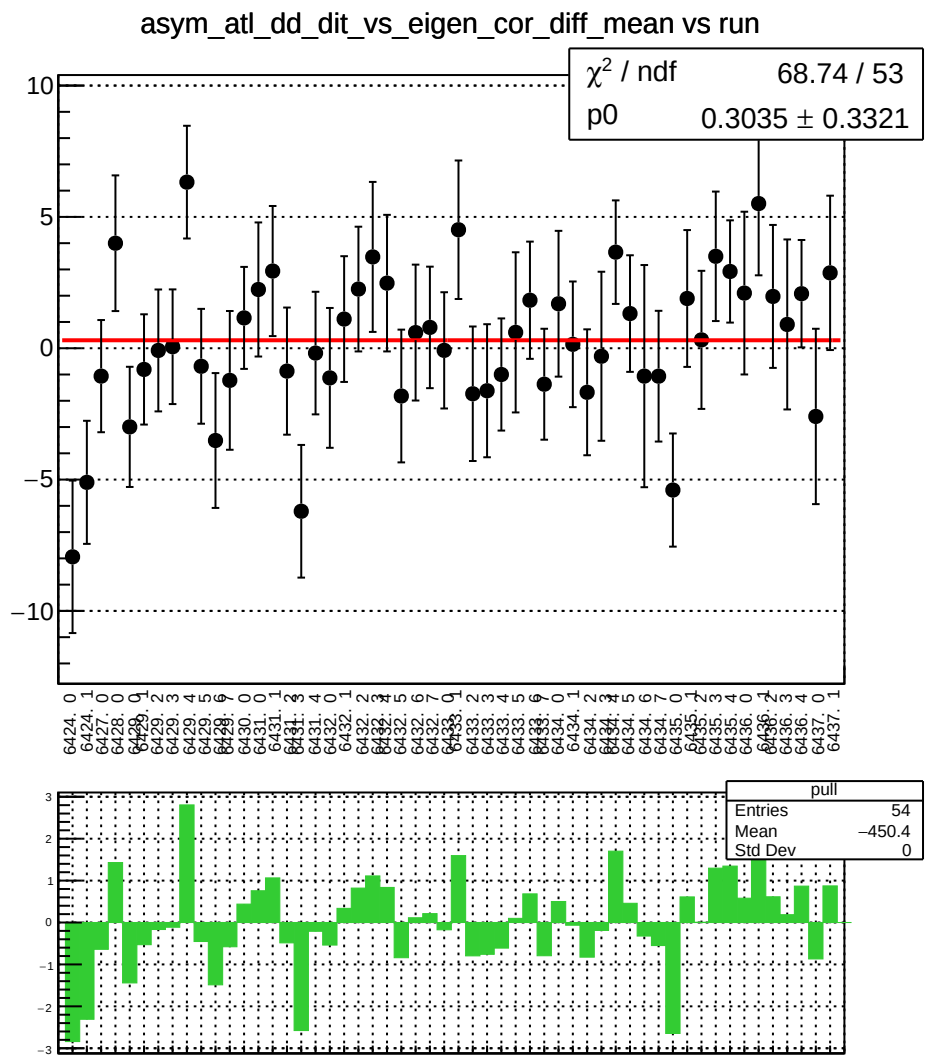

pull1D
Entries 54
Mean −0.03959
Std Dev 1.161

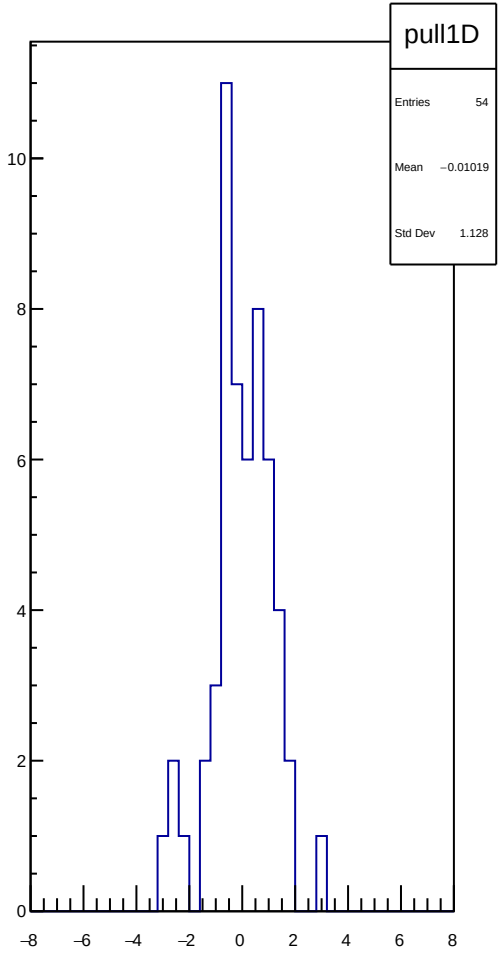

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 7.535e+05 / 53
p0 4.759e−11 ± 9.175e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

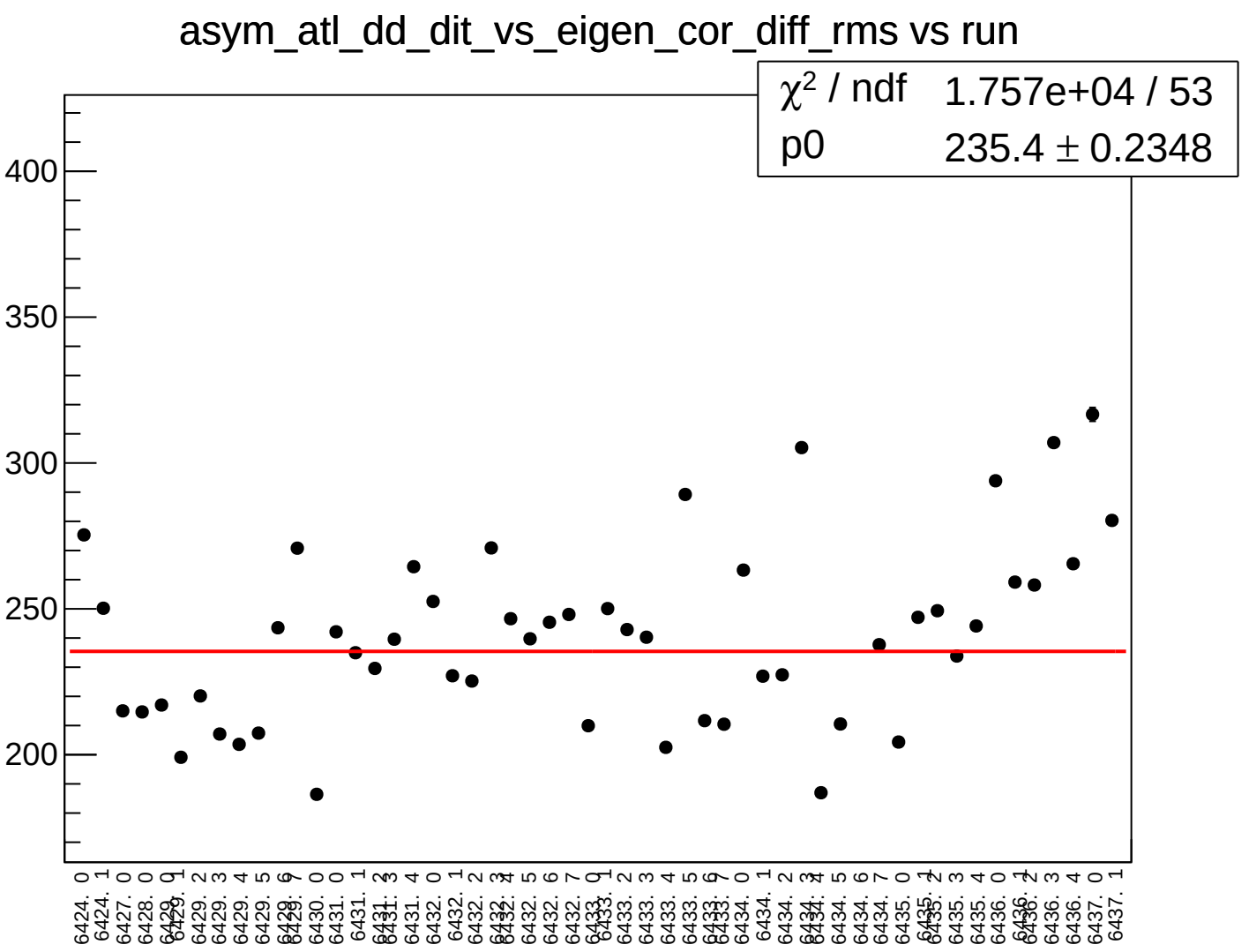

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.74 / 53
p0 0.3035 ± 0.3321
pull
Entries 54
Mean −450.4
Std Dev 0

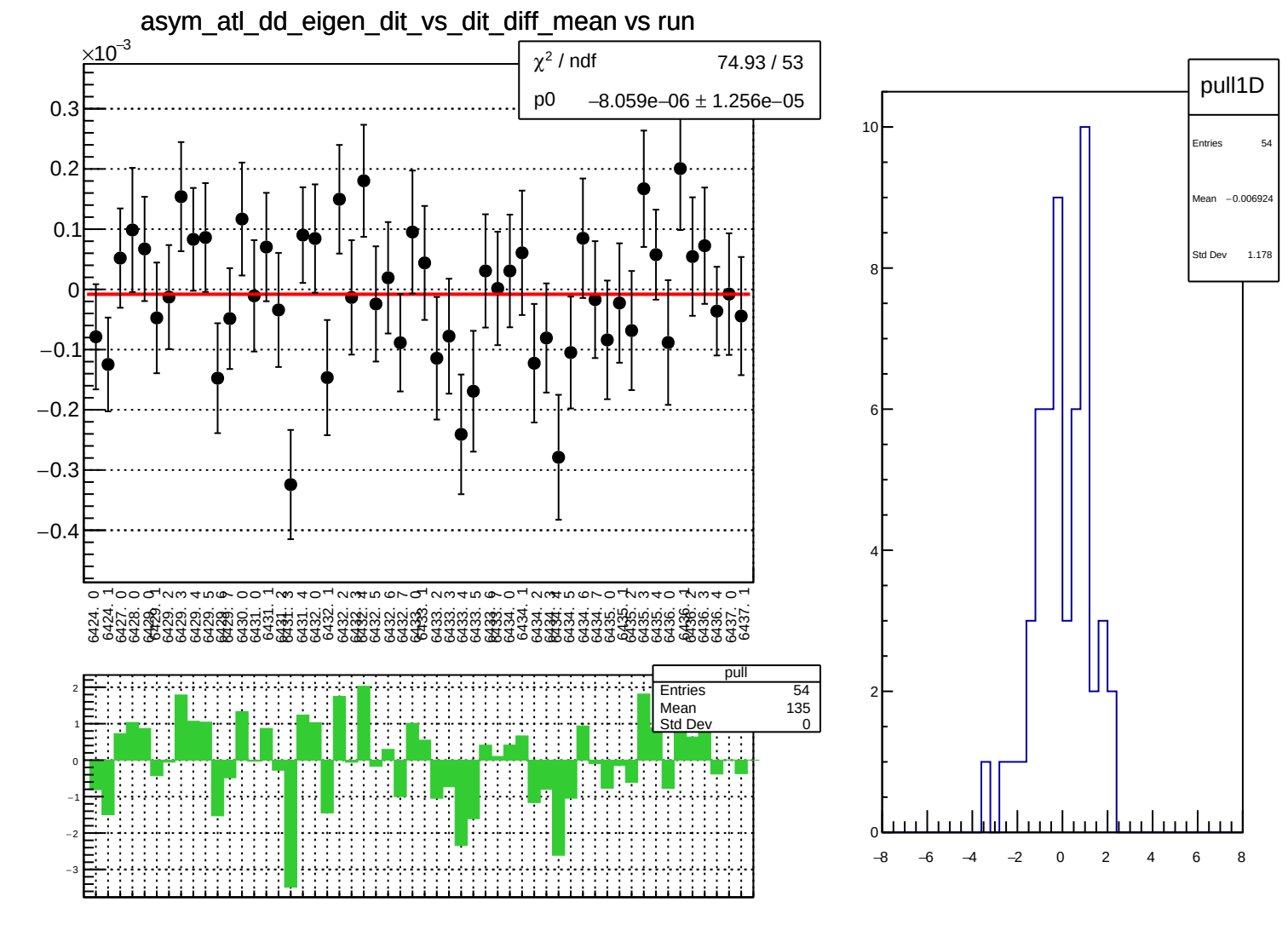

pull1D
Entries 54
Mean −0.01019
Std Dev 1.128

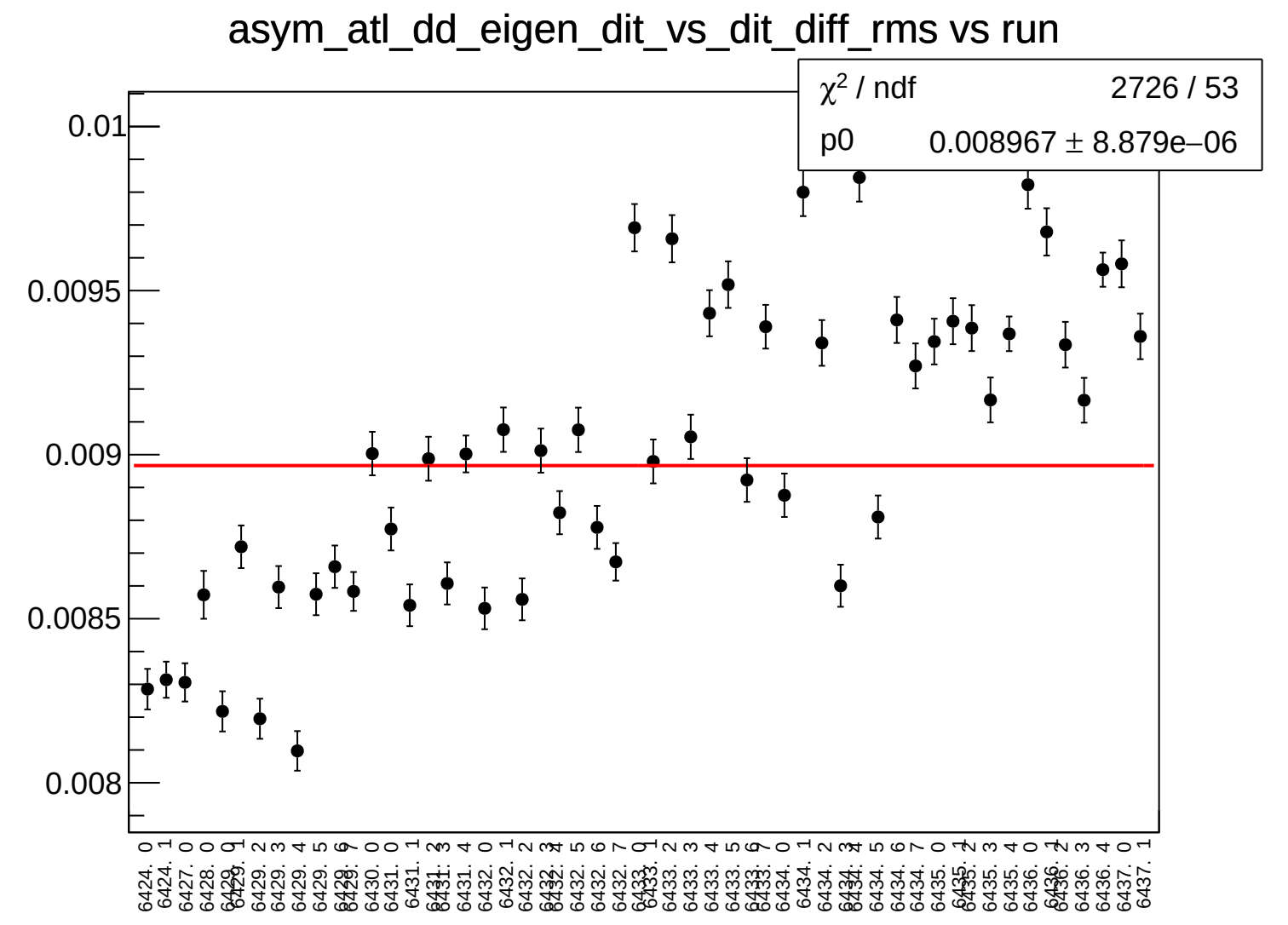

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.757e+04 / 53
p0 235.4 ± 0.2348
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

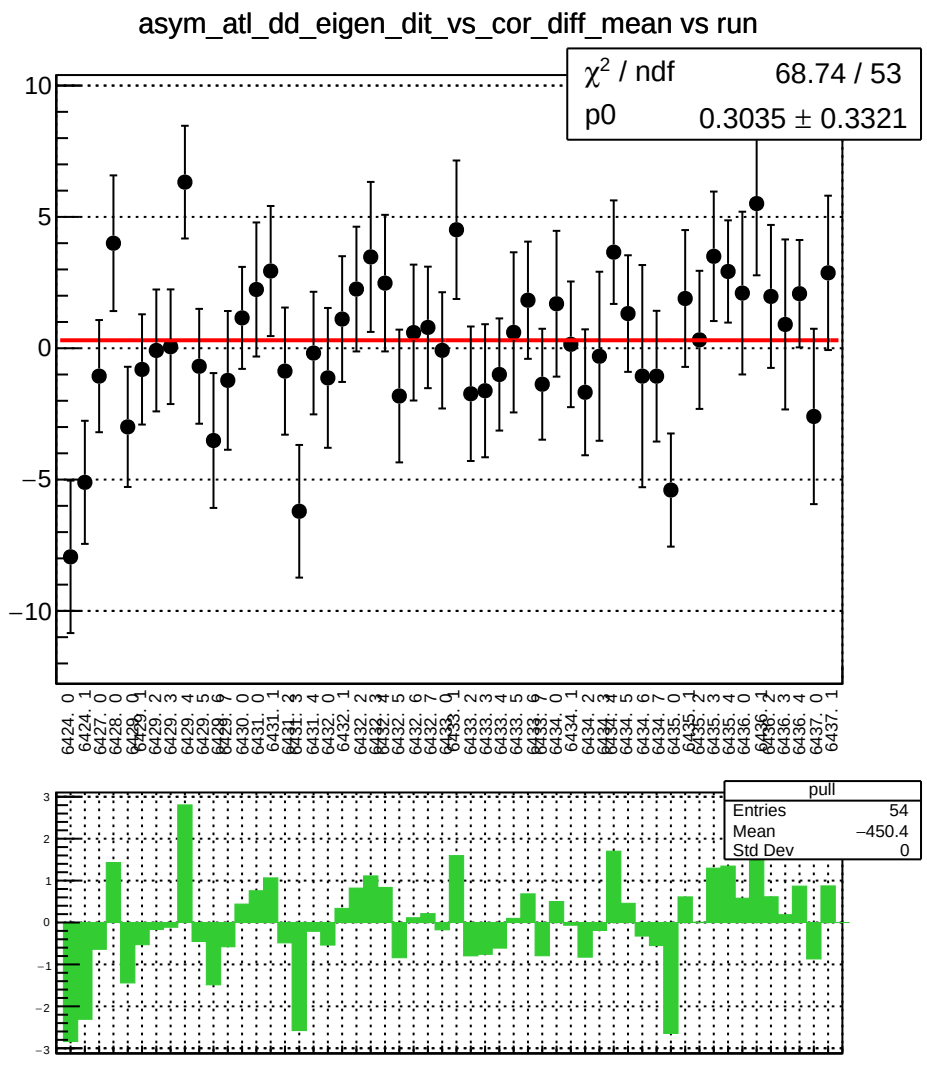

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.74 / 53
p0 0.3035 ± 0.3321
pull
Entries 54
Mean −450.4
Std Dev 0

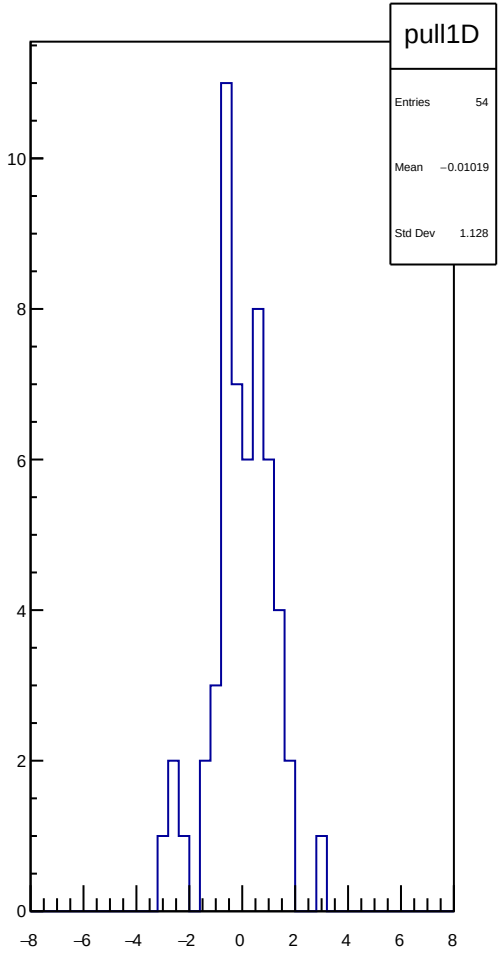

pull1D
Entries 54
Mean −0.01019
Std Dev 1.128

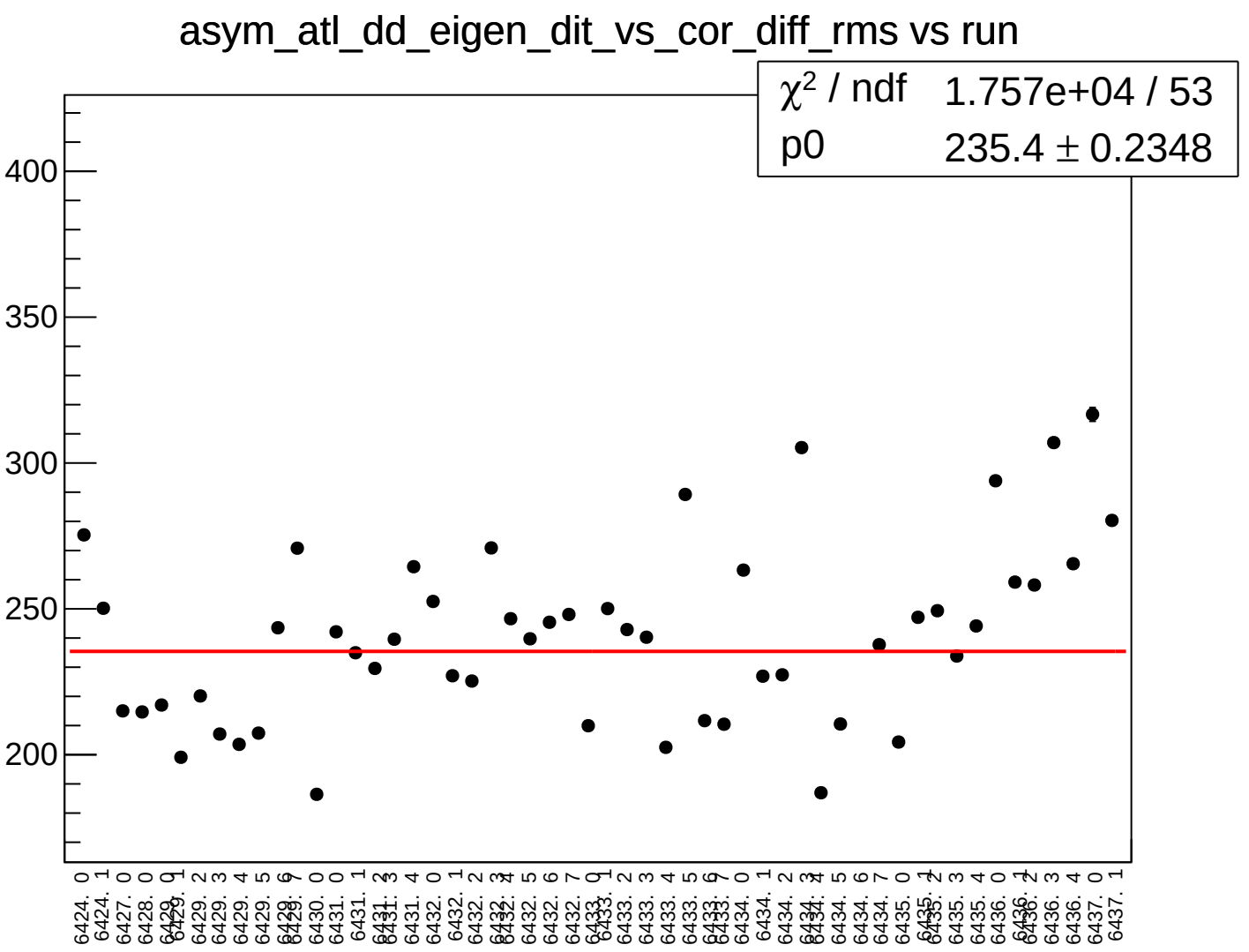

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.757e+04 / 53
p0 235.4 ± 0.2348
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

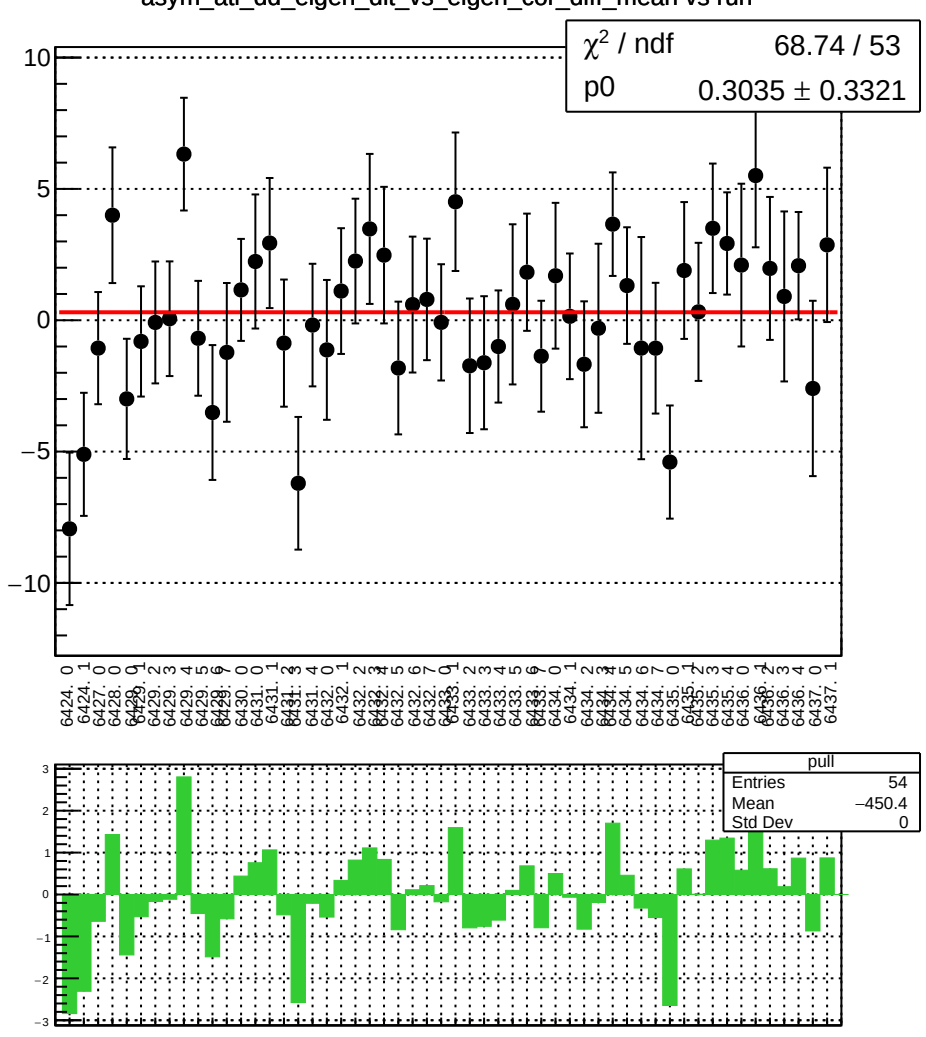

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.93 / 53
p0 −8.059e−06 ± 1.256e−05
pull
Entries 54
Mean 135
Std Dev 0
pull1D
Entries 54
Mean −0.006924
Std Dev 1.178

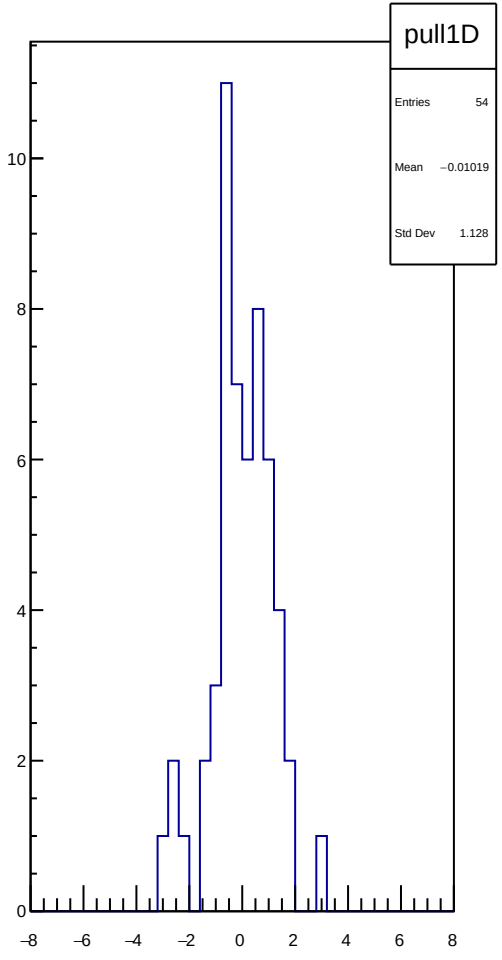

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2726 / 53
p0 0.008967 ± 8.879e−06
0.01
0.0095
0.009
0.0085
0.008
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

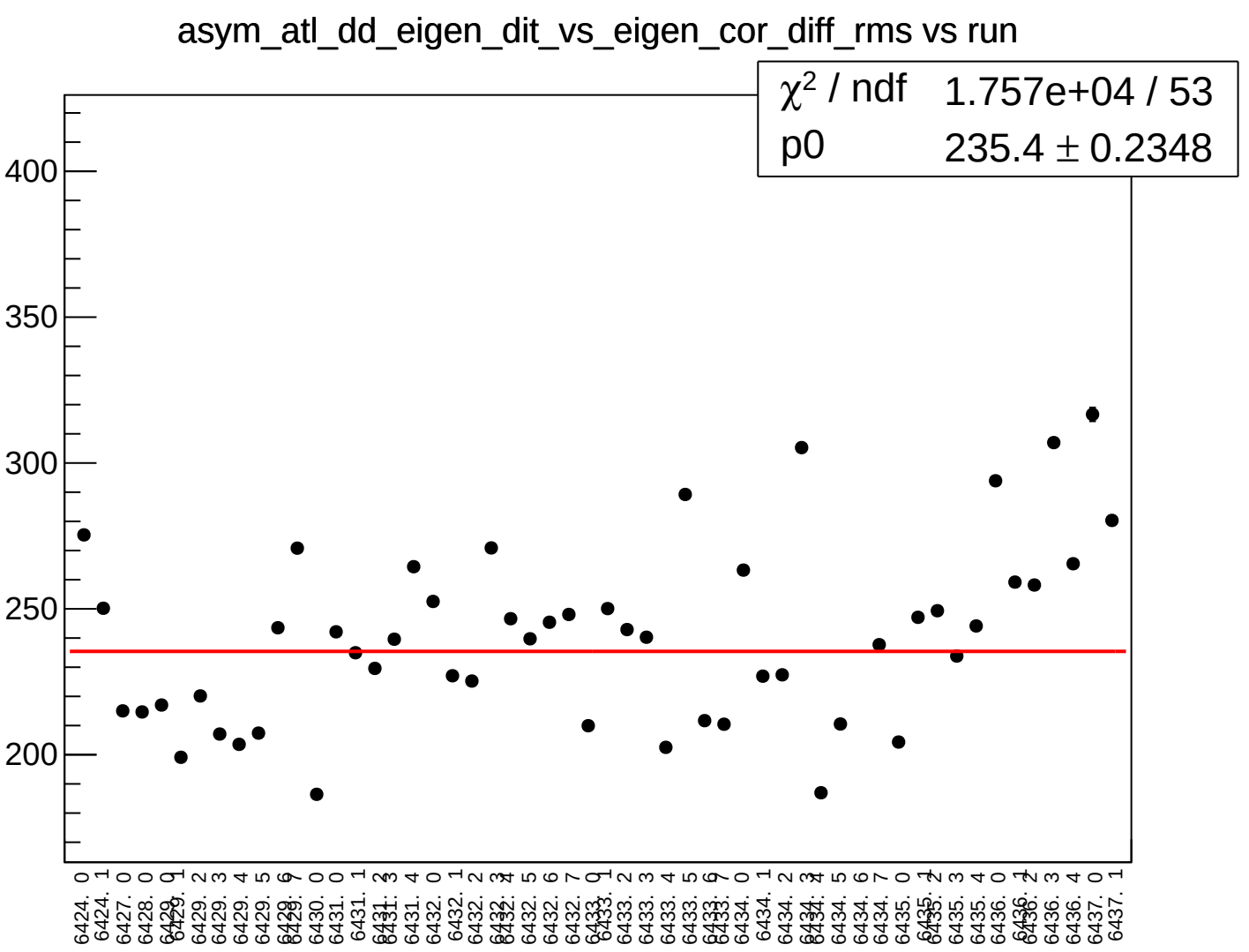

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.74 / 53
p0 0.3035 ± 0.3321
pull
Entries 54
Mean −450.4
Std Dev 0

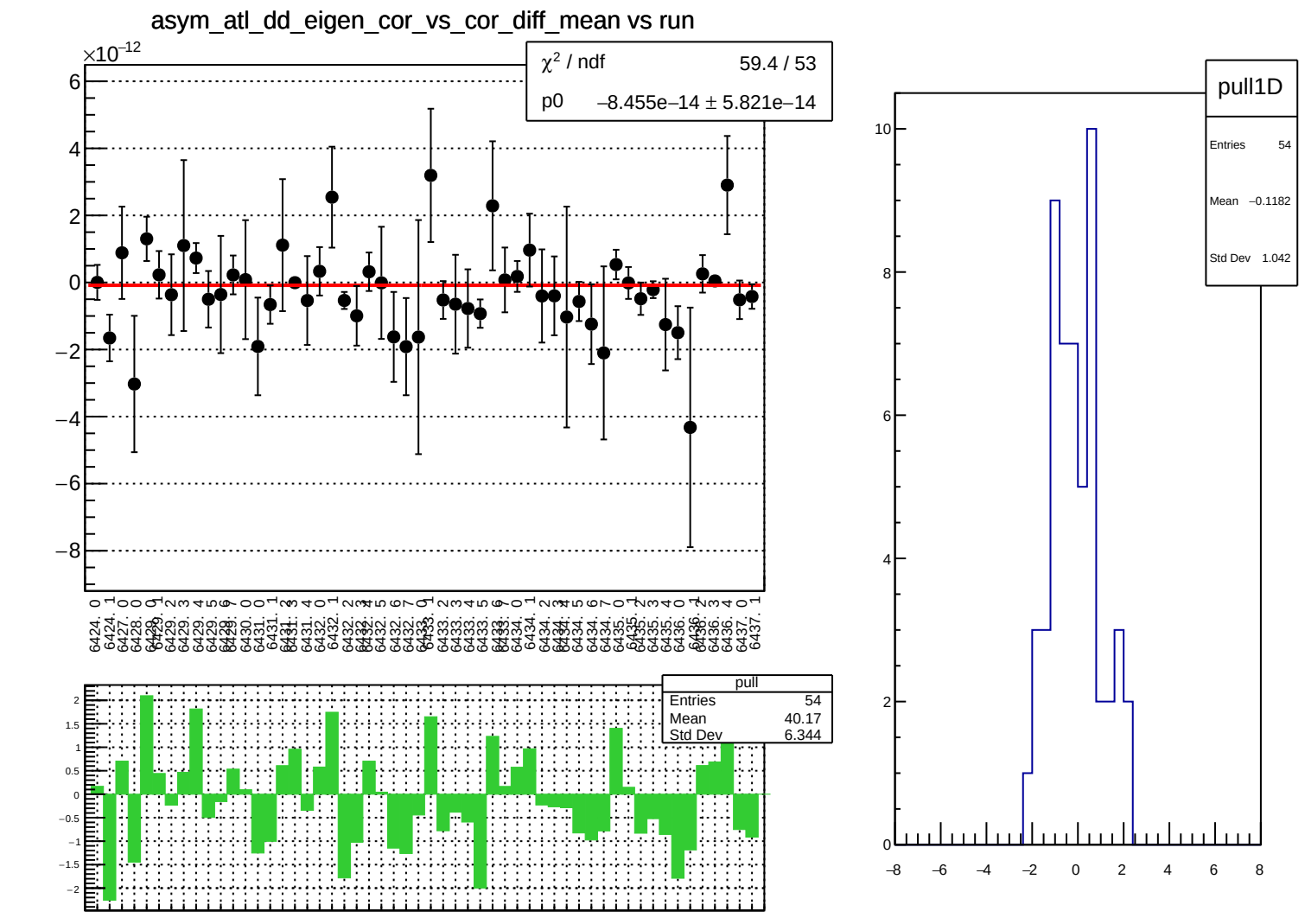

pull1D
Entries 54
Mean −0.01019
Std Dev 1.128

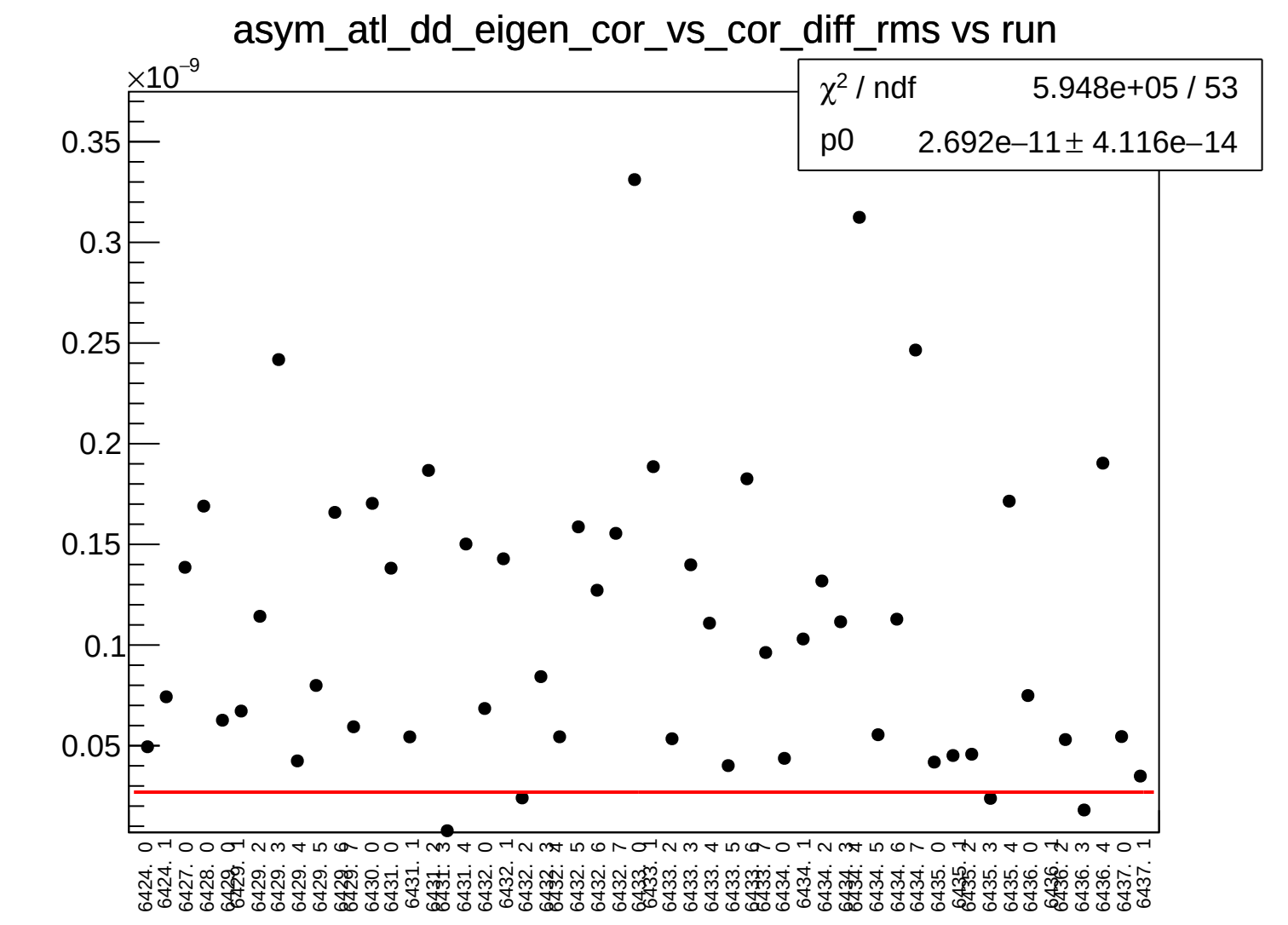

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.757e+04 / 53
p0 235.4 ± 0.2348
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

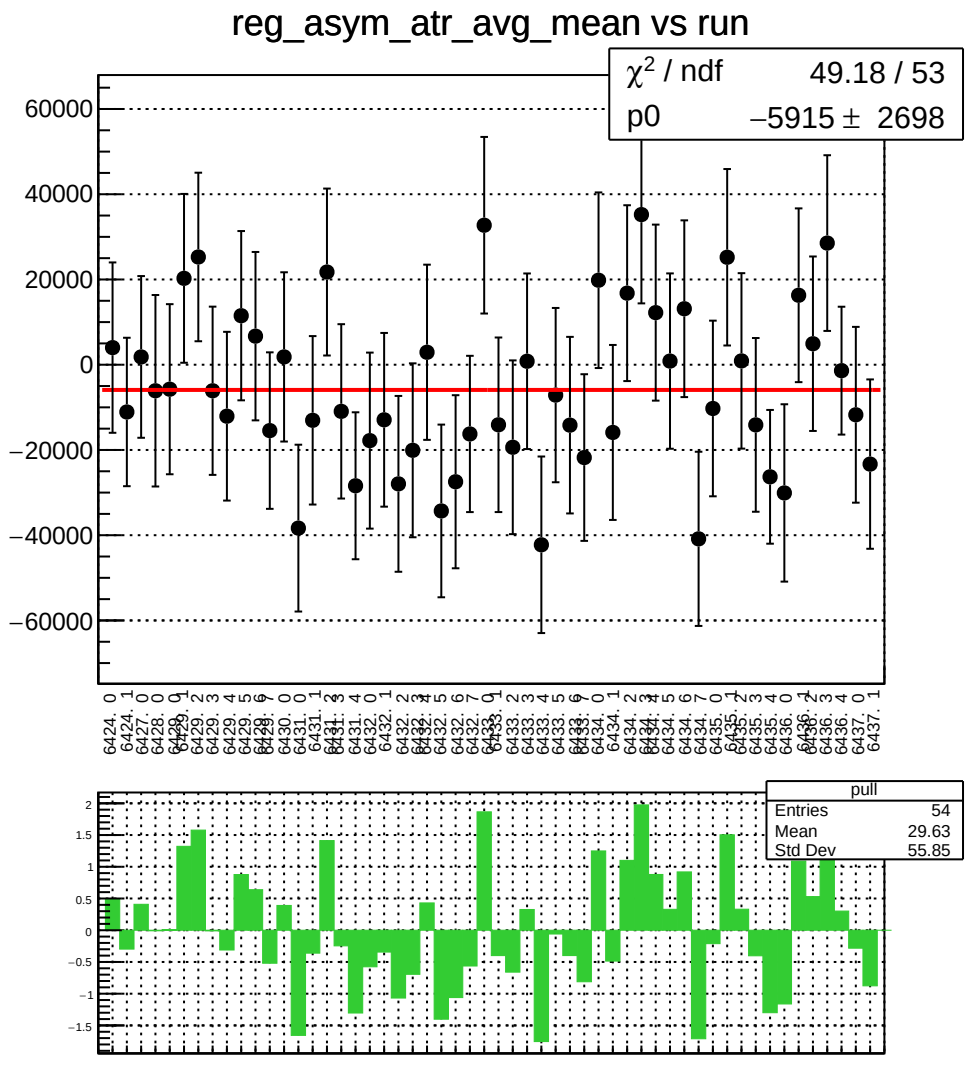

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.74 / 53
p0 0.3035 ± 0.3321
pull
Entries 54
Mean −450.4
Std Dev 0

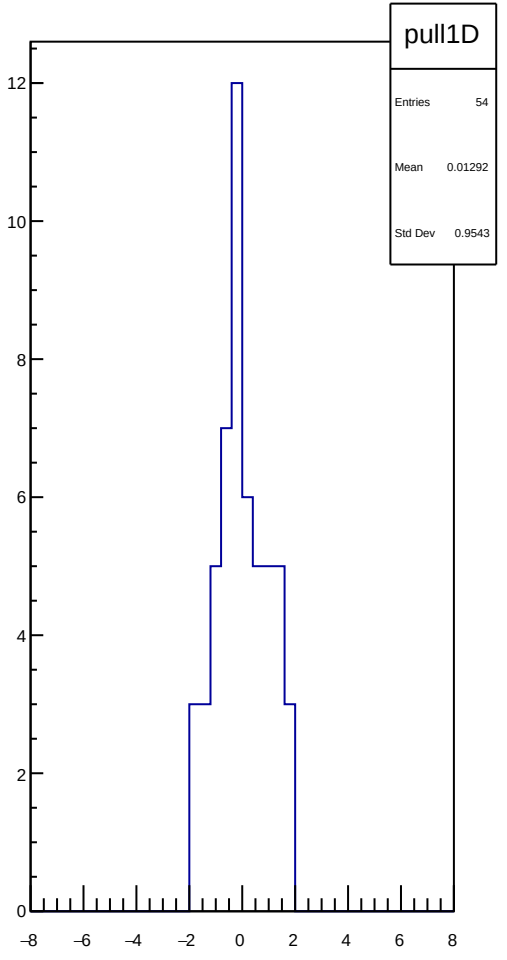

pull1D
Entries 54
Mean −0.01019
Std Dev 1.128

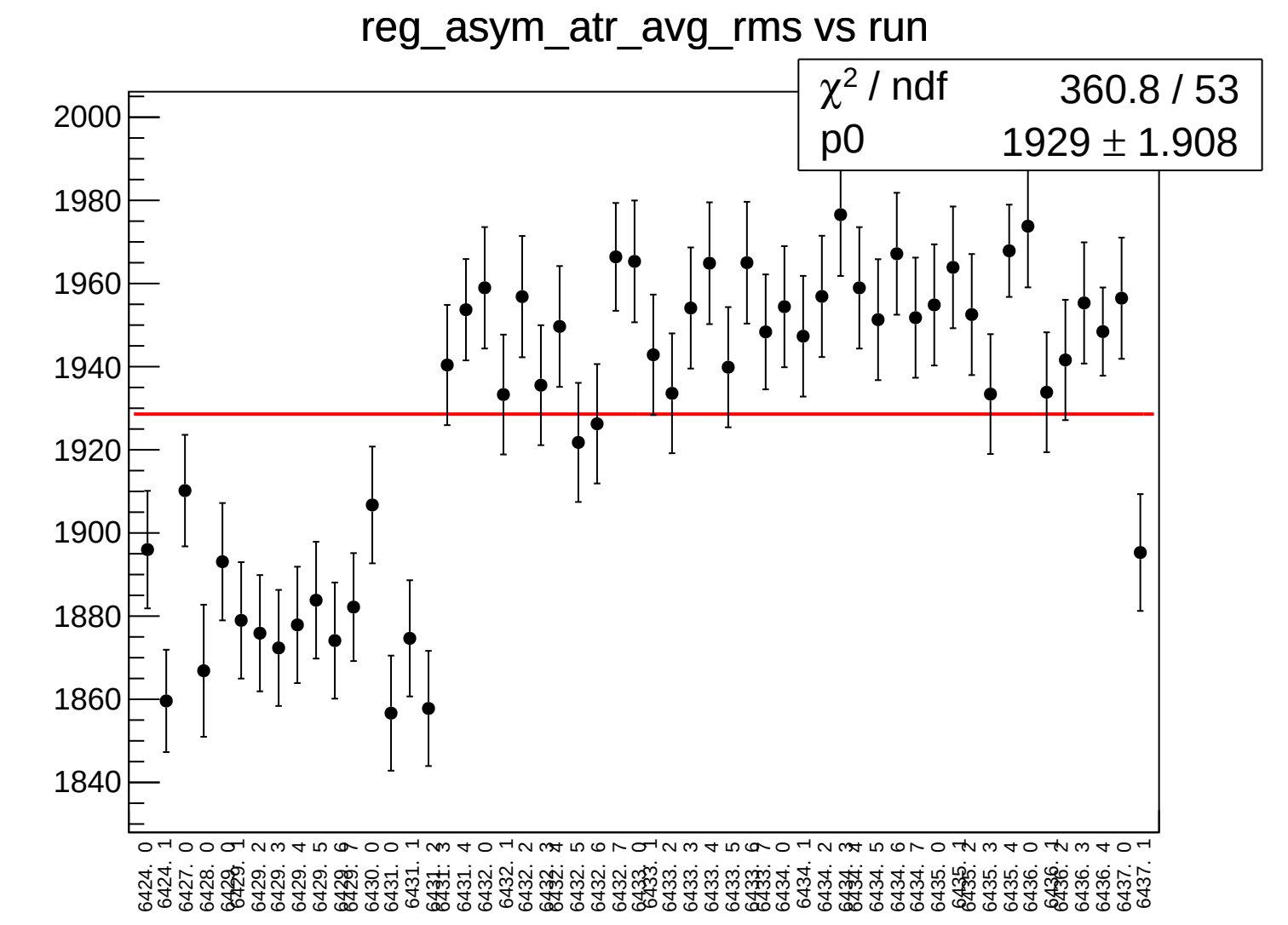

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.757e+04 / 53
p0 235.4 ± 0.2348
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

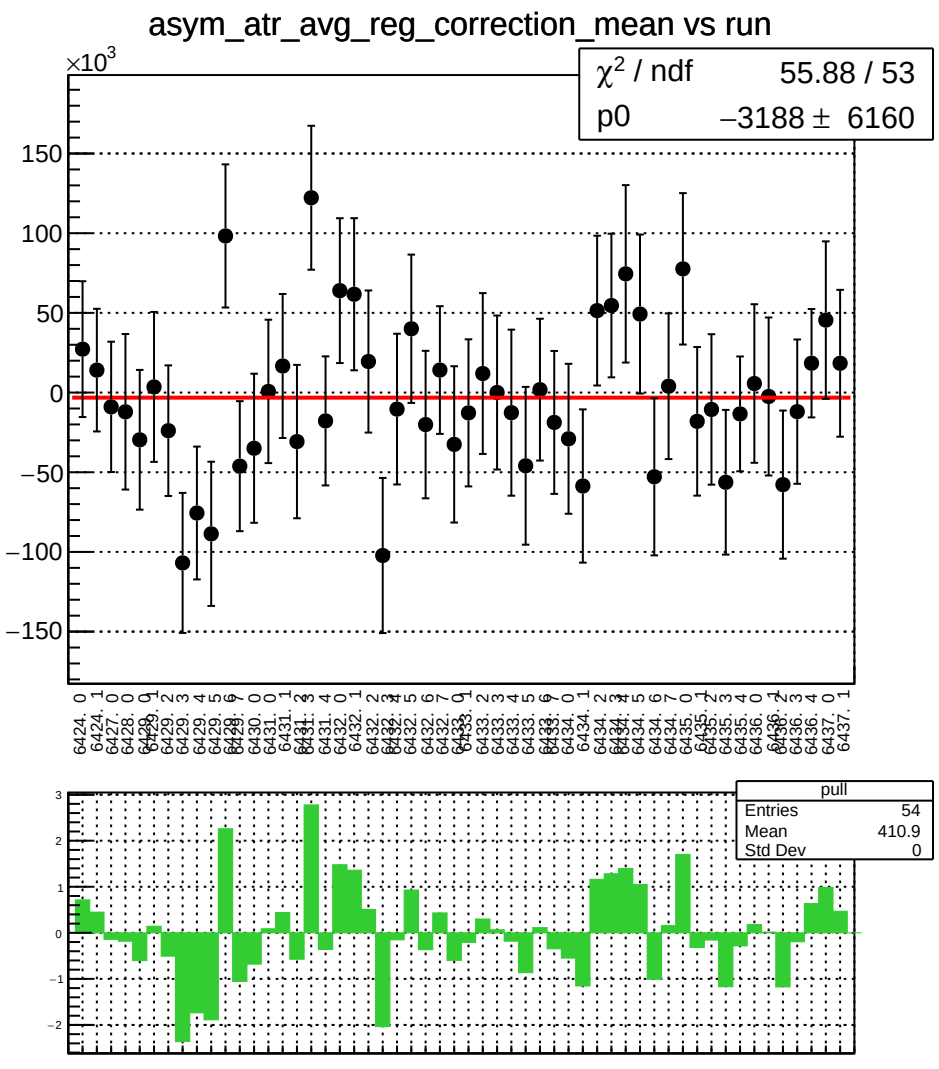

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.4 / 53
p0 −8.455e−14 ± 5.821e−14
pull
Entries 54
Mean 40.17
Std Dev 6.344
pull1D
Entries 54
Mean −0.1182
Std Dev 1.042

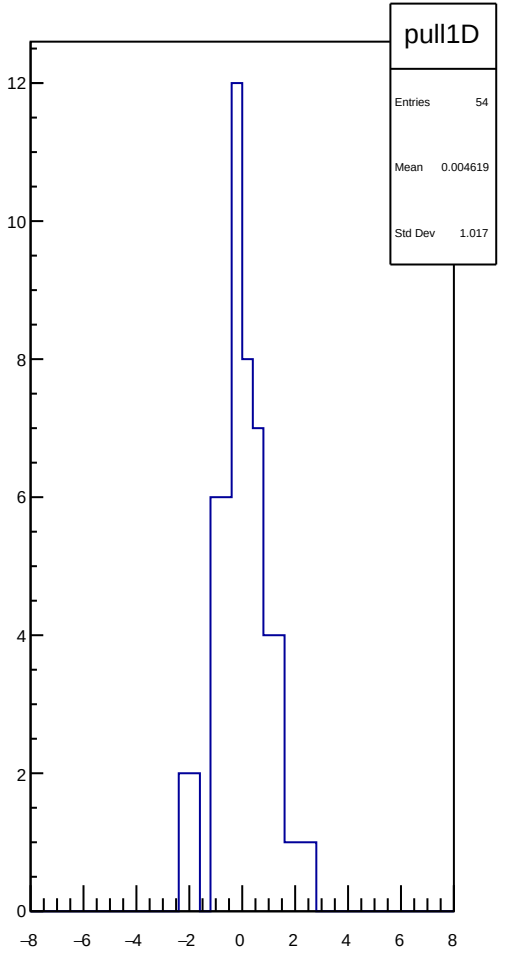

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.948e+05 / 53
p0 2.692e−11 ± 4.116e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

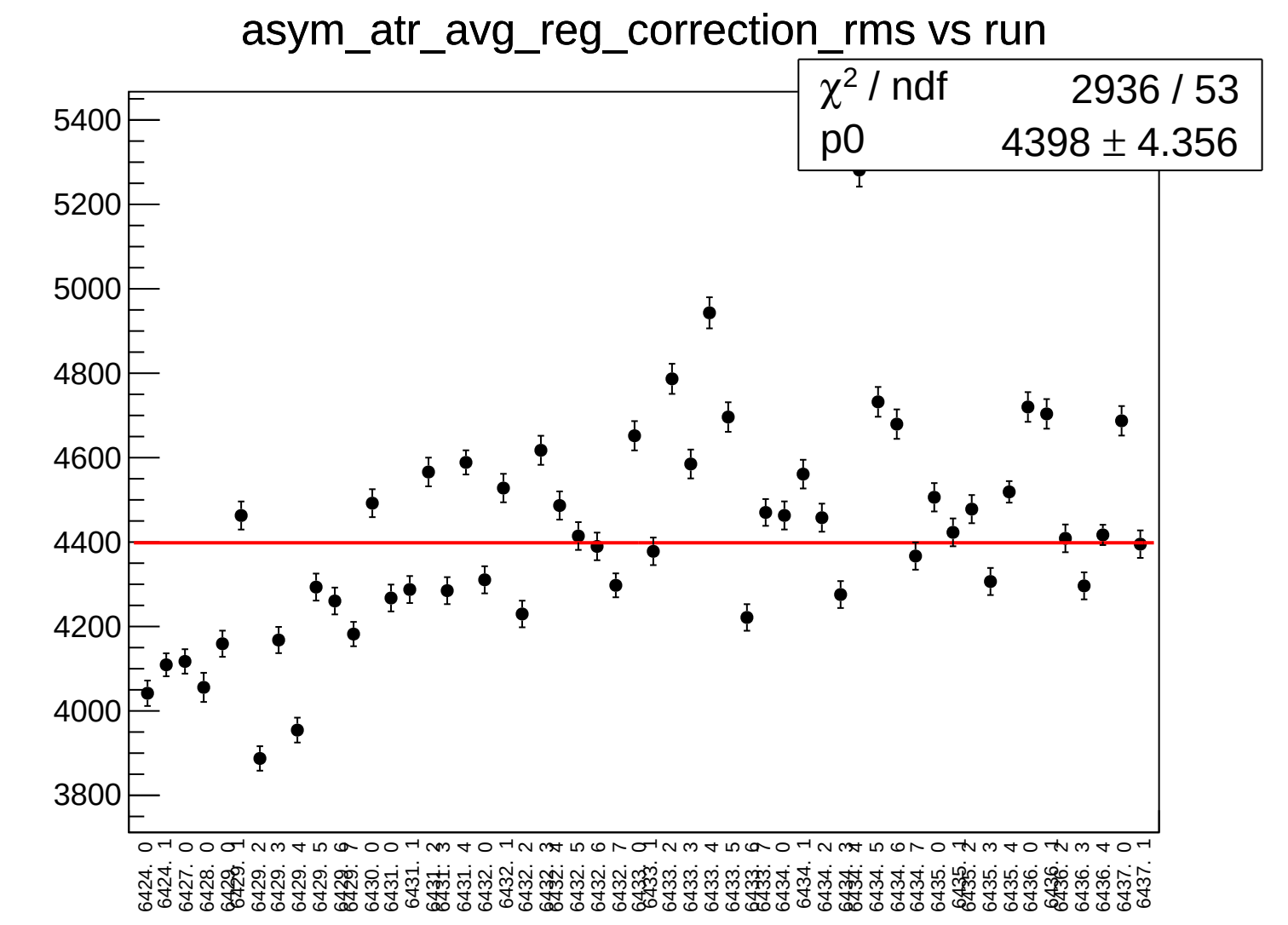

reg_asym_atr_avg_mean vs run
χ² / ndf 49.18 / 53
p0 −5915 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 29.63
Std Dev 55.85
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.01292
Std Dev 0.9543
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_avg_rms vs run
χ^2 / ndf 360.8 / 53
p0 1929 ± 1.908
2000
1980
1960
1940
1920
1900
1880
1860
1840
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.88 / 53
p0 −3188 ± 6160
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 410.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.004619
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_reg_correction_rms vs run
χ^2 / ndf 2936 / 53
p0 4398 ± 4.356
5400
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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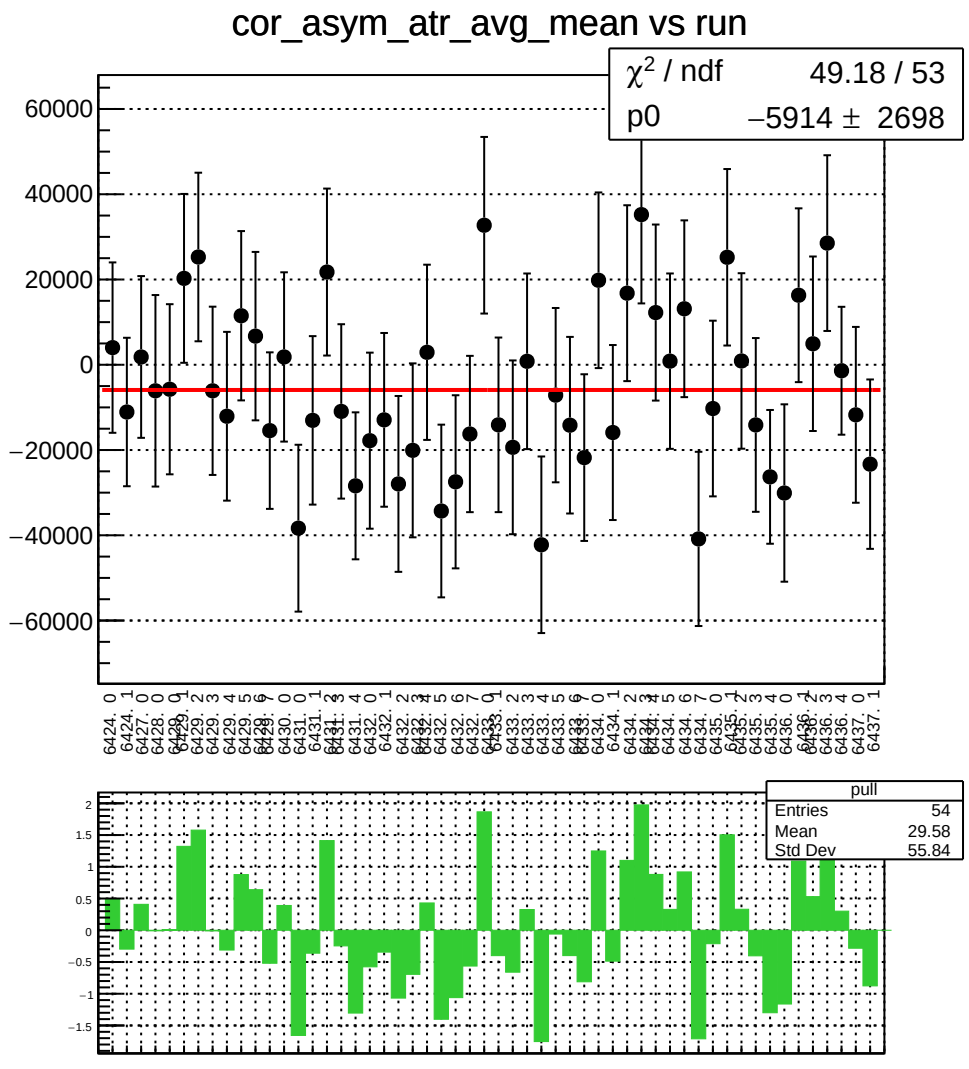
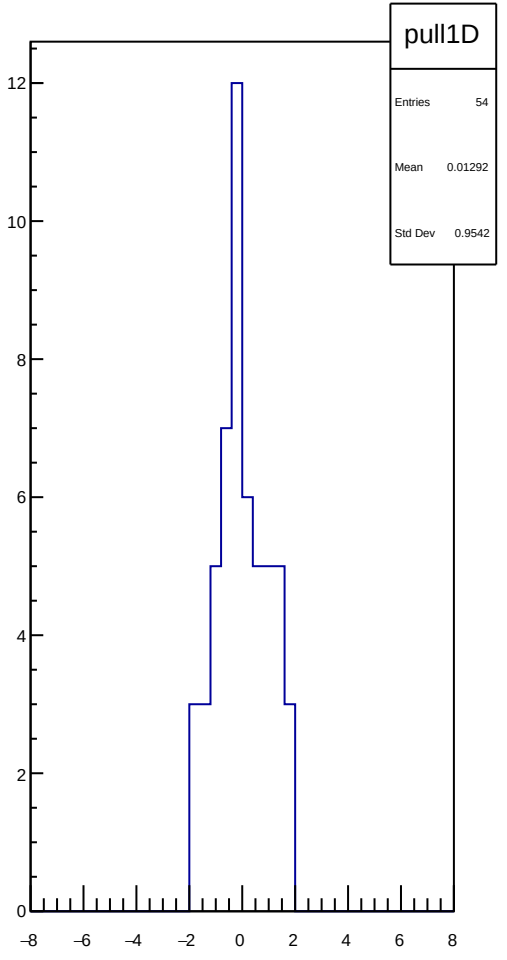
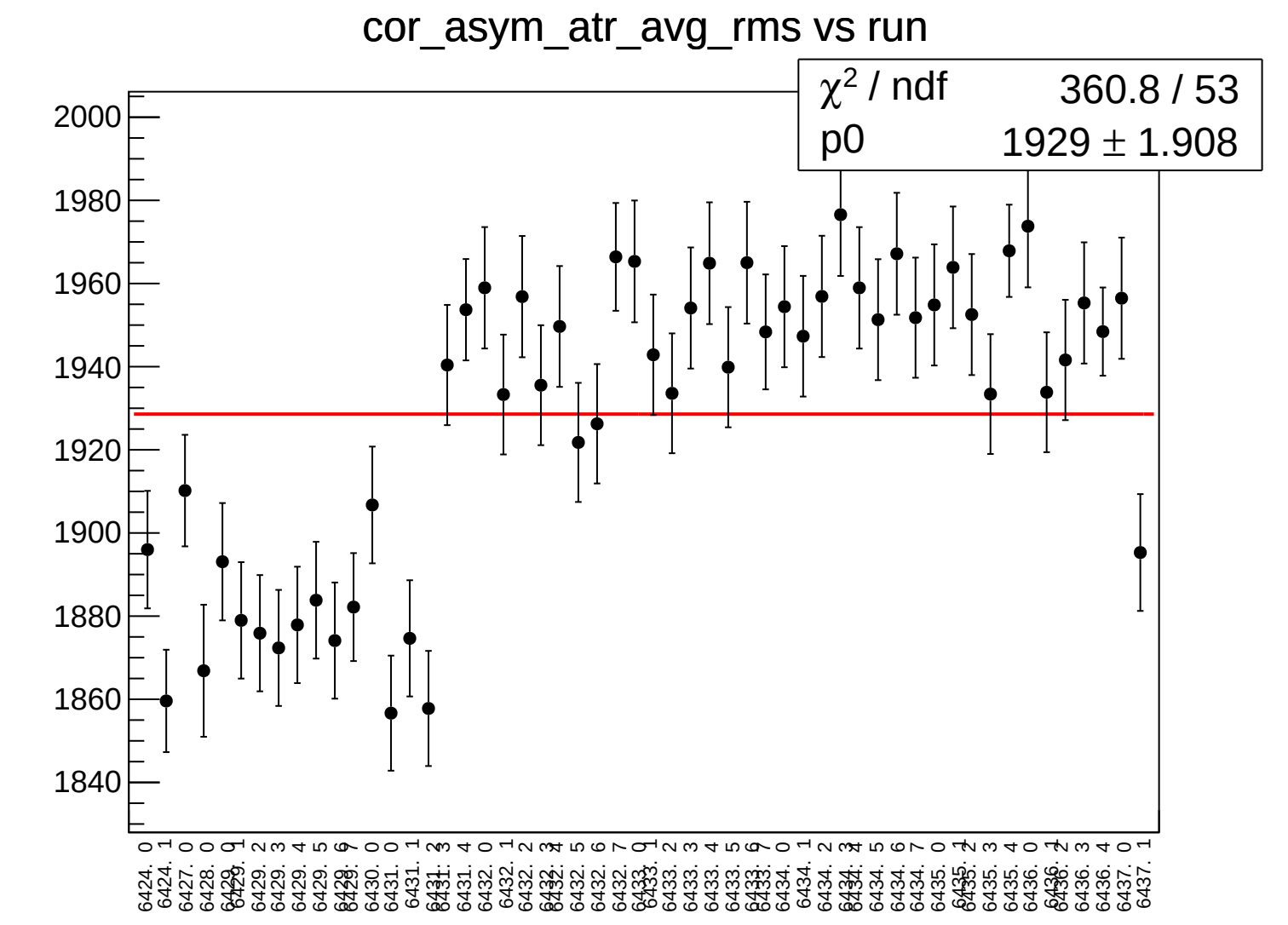
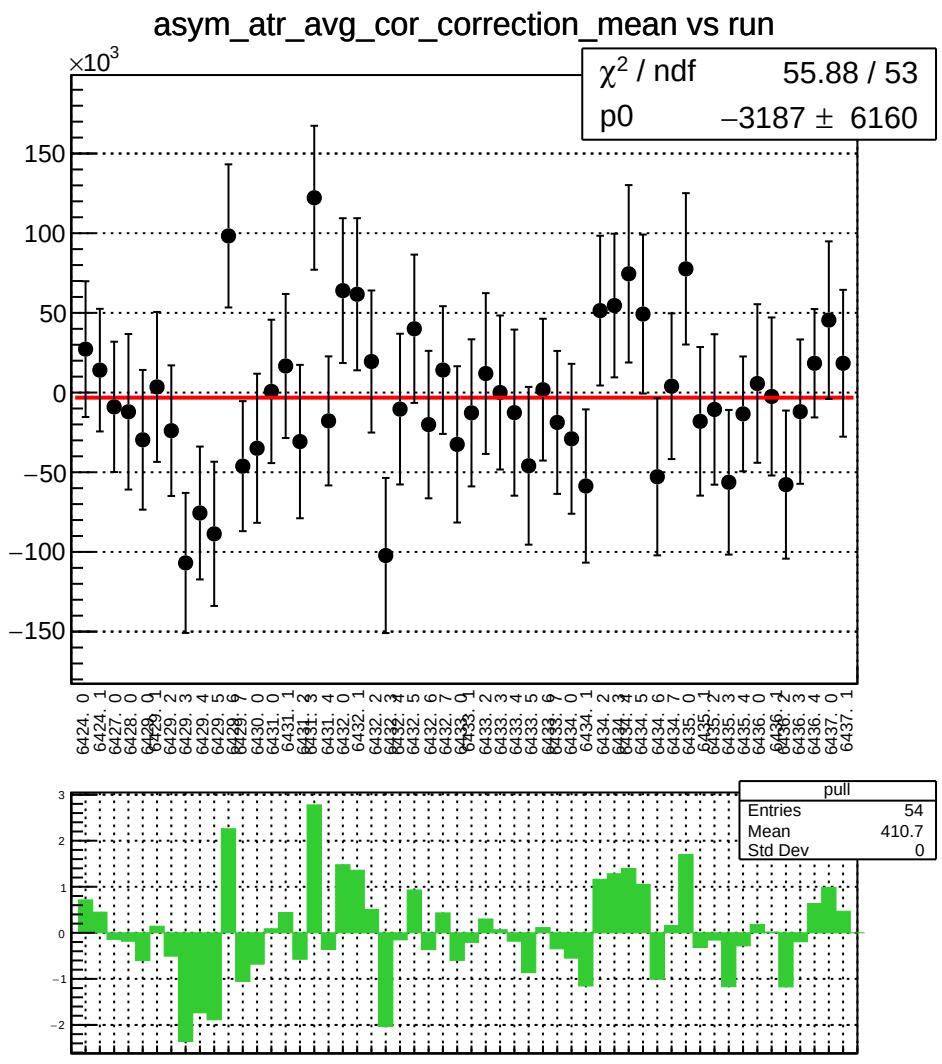
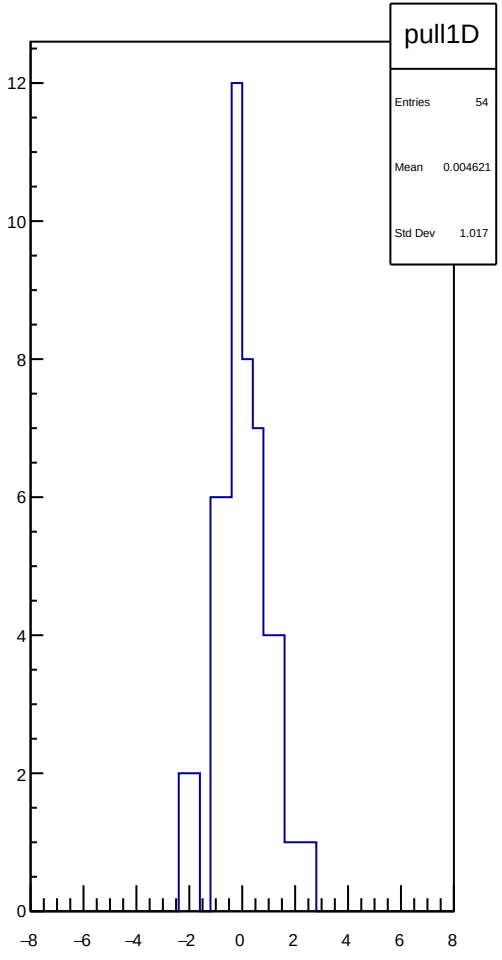
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

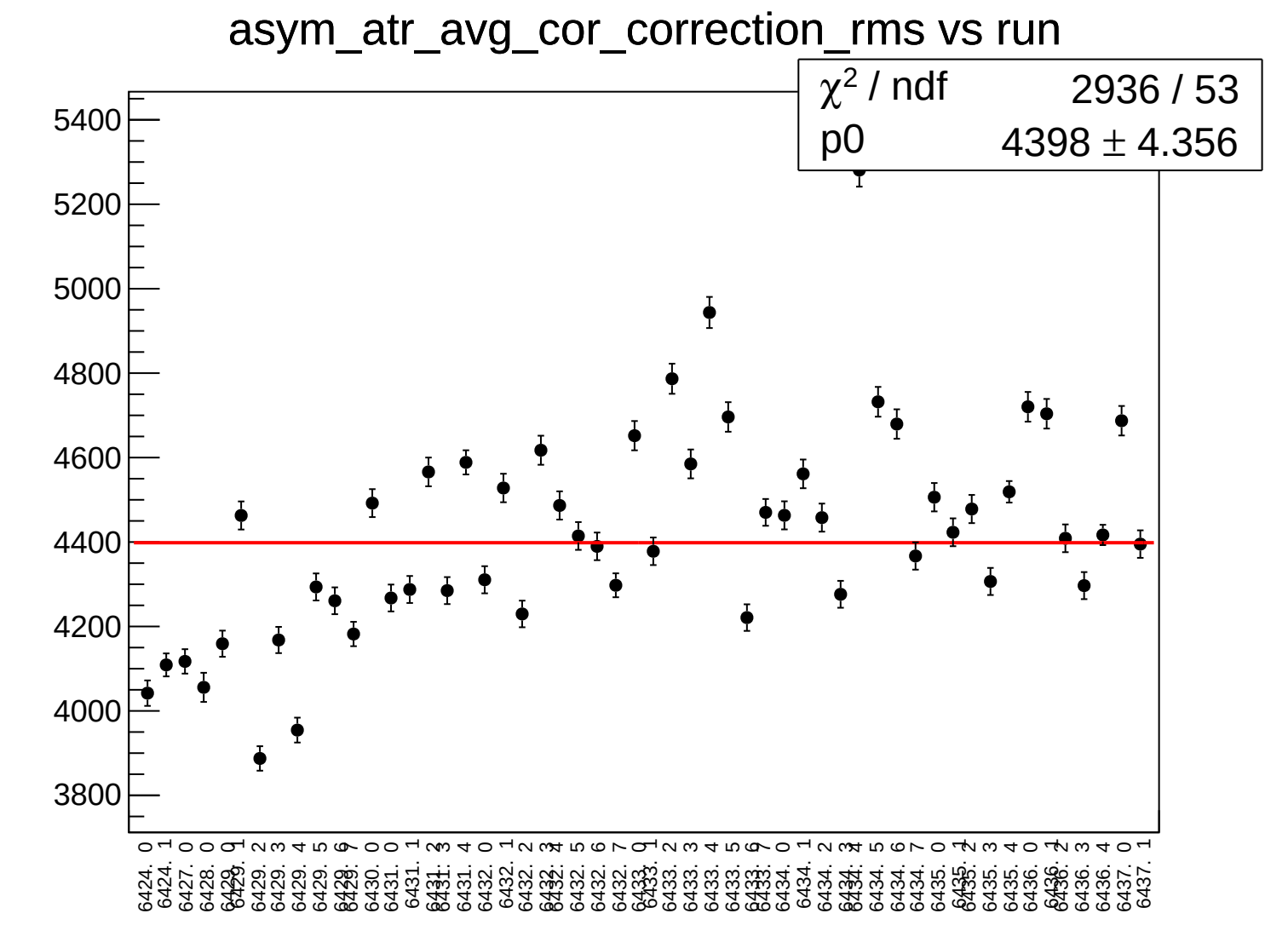

cor_asym_atr_avg_mean vs run
χ² / ndf 49.18 / 53
p0 −5914 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 29.58
Std Dev 55.84
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.01292
Std Dev 0.9542
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_avg_rms vs run
χ^2 / ndf 360.8 / 53
p0 1929 ± 1.908
2000
1980
1960
1940
1920
1900
1880
1860
1840
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr_avg_cor_correction_mean vs run
χ² / ndf 55.88 / 53
p0 −3187 ± 6160
×10³
pull
Entries 54
Mean 410.7
Std Dev 0


pull1D
Entries 54
Mean 0.004621
Std Dev 1.017


asym_atr_avg_cor_correction_rms vs run
χ² / ndf 2936 / 53
p0 4398 ± 4.356
5400
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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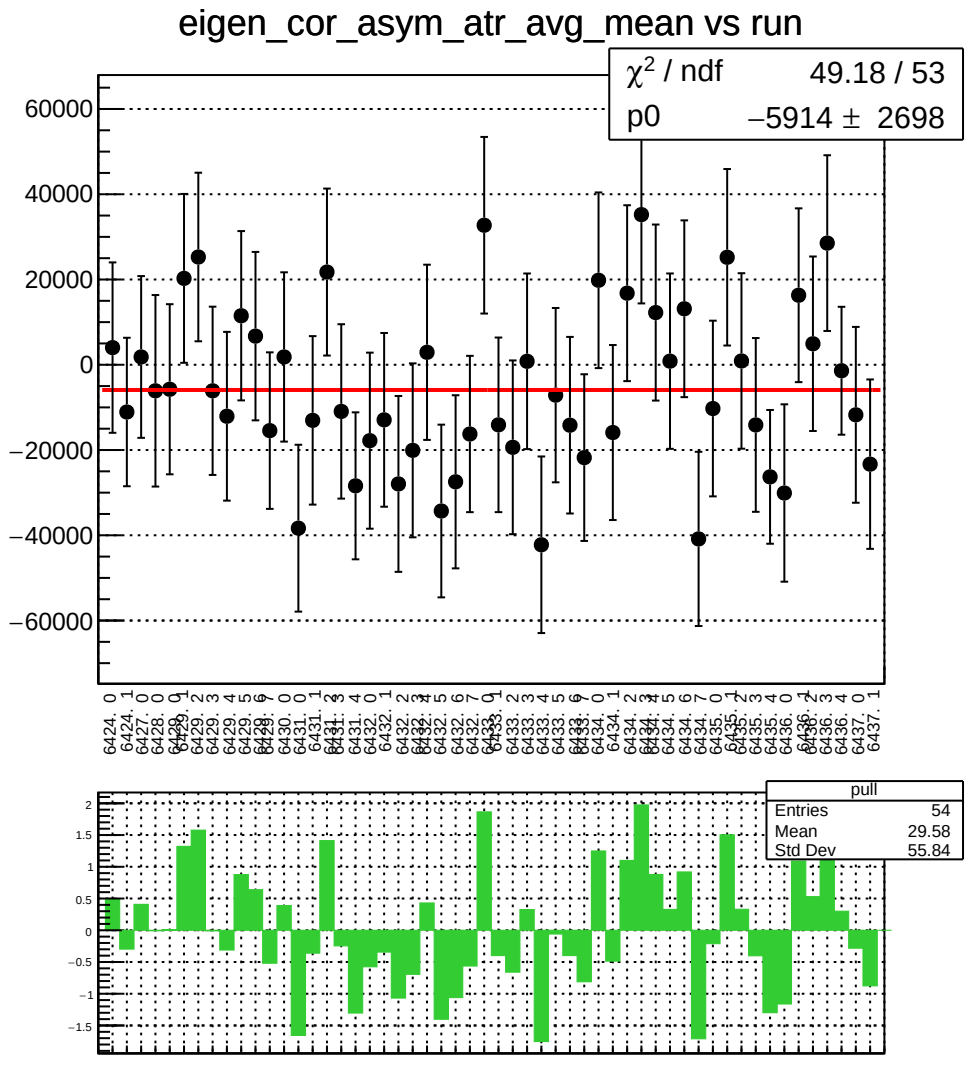
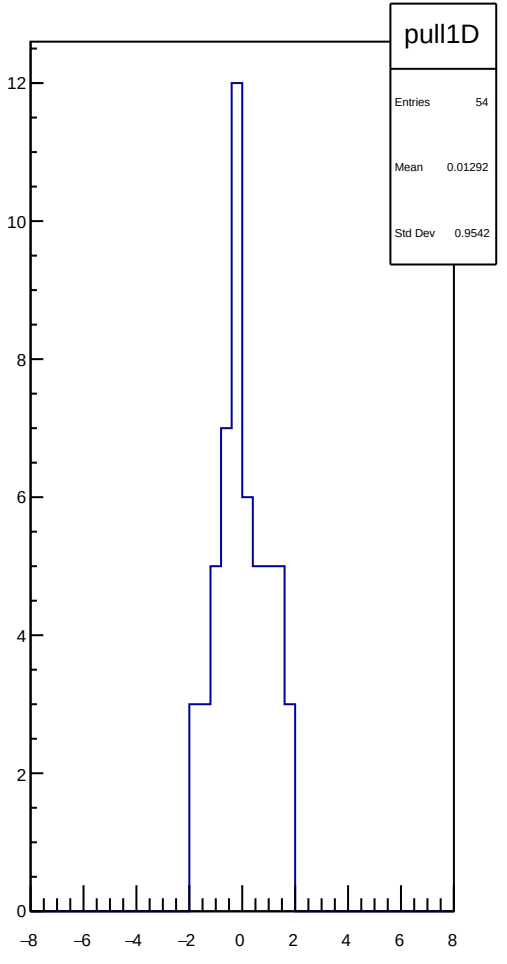
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 49.18 / 53
p0 −5914 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 29.58
Std Dev 55.84
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.01292
Std Dev 0.9542
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10
8
6
4
2
0
−8
−6
−4
−2
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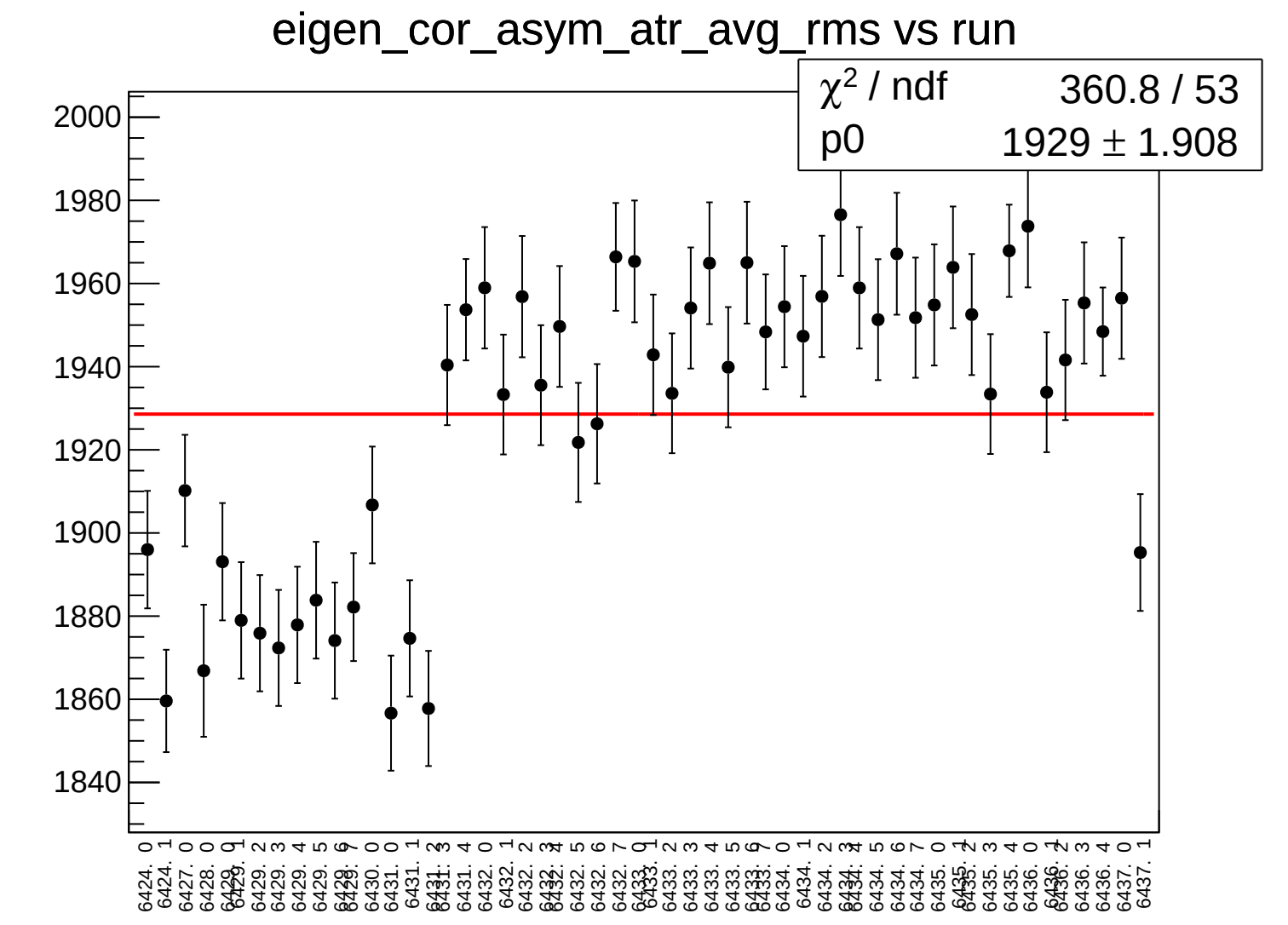
2
4
6
8


eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 360.8 / 53
p0 1929 ± 1.908
2000
1980
1960
1940
1920
1900
1880
1860
1840
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
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6433. 2
6433. 3
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6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
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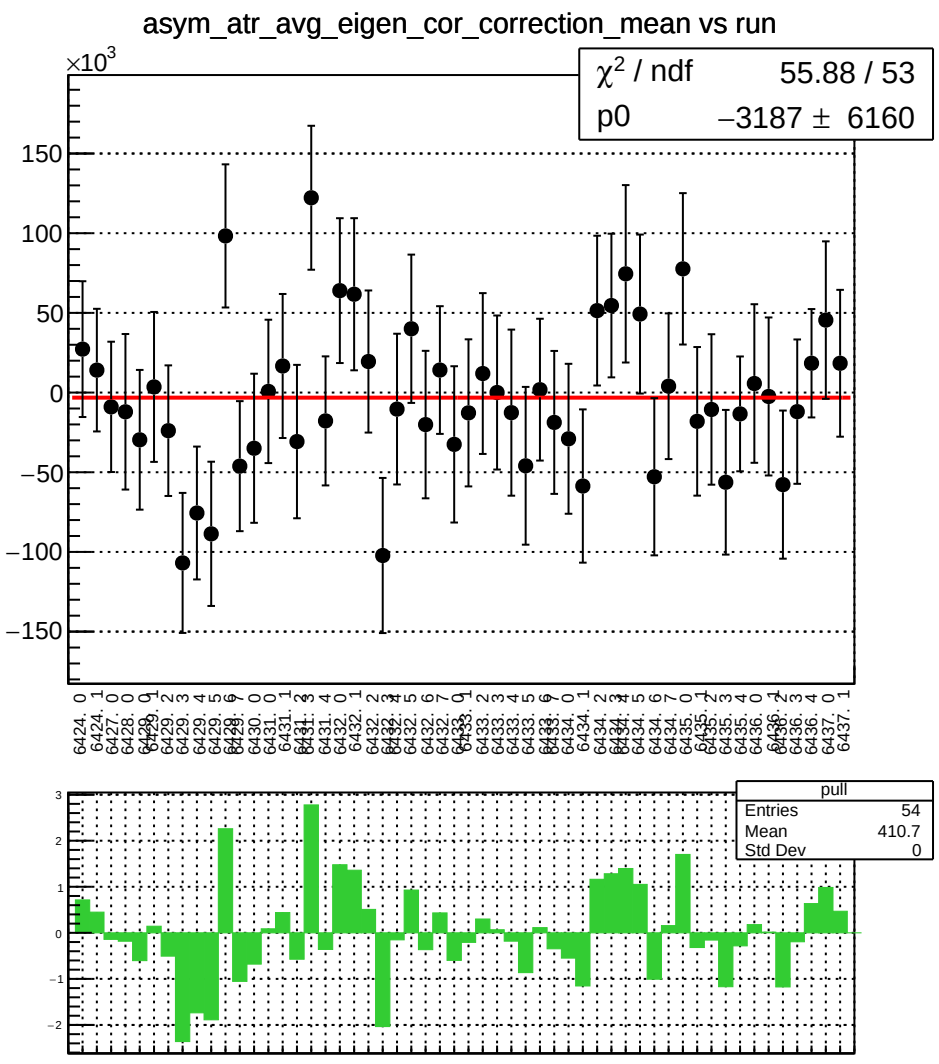
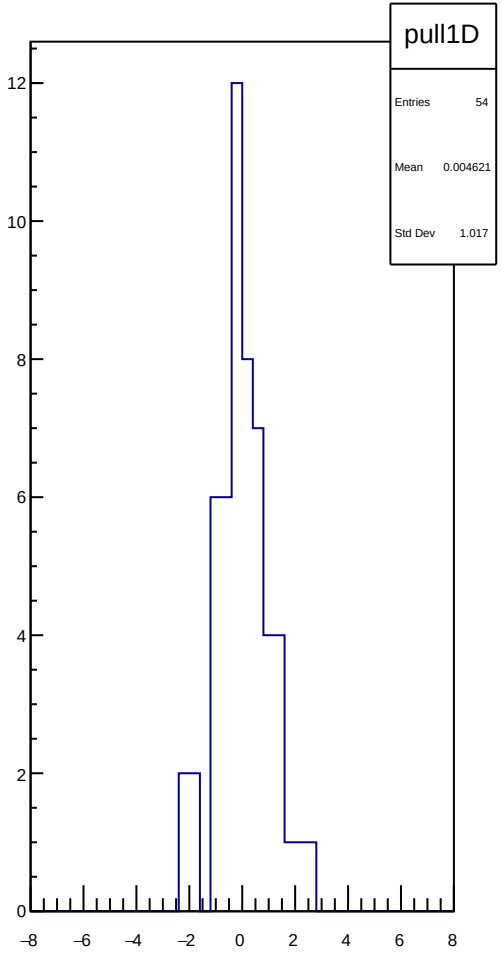
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 55.88 / 53
p0 −3187 ± 6160
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 410.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.004621
Std Dev 1.017
12
10
8
6
4
2
0
−8
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−4
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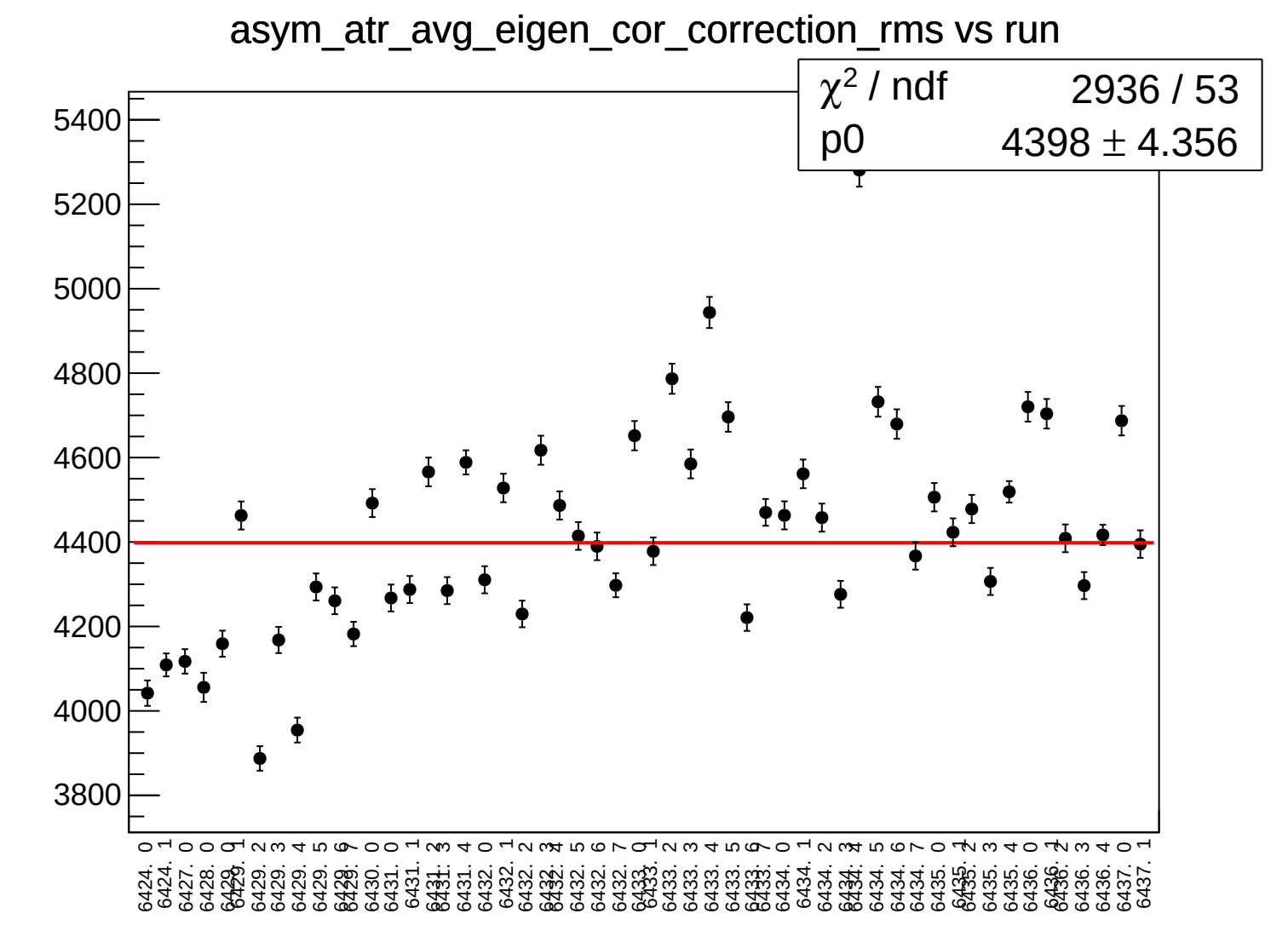
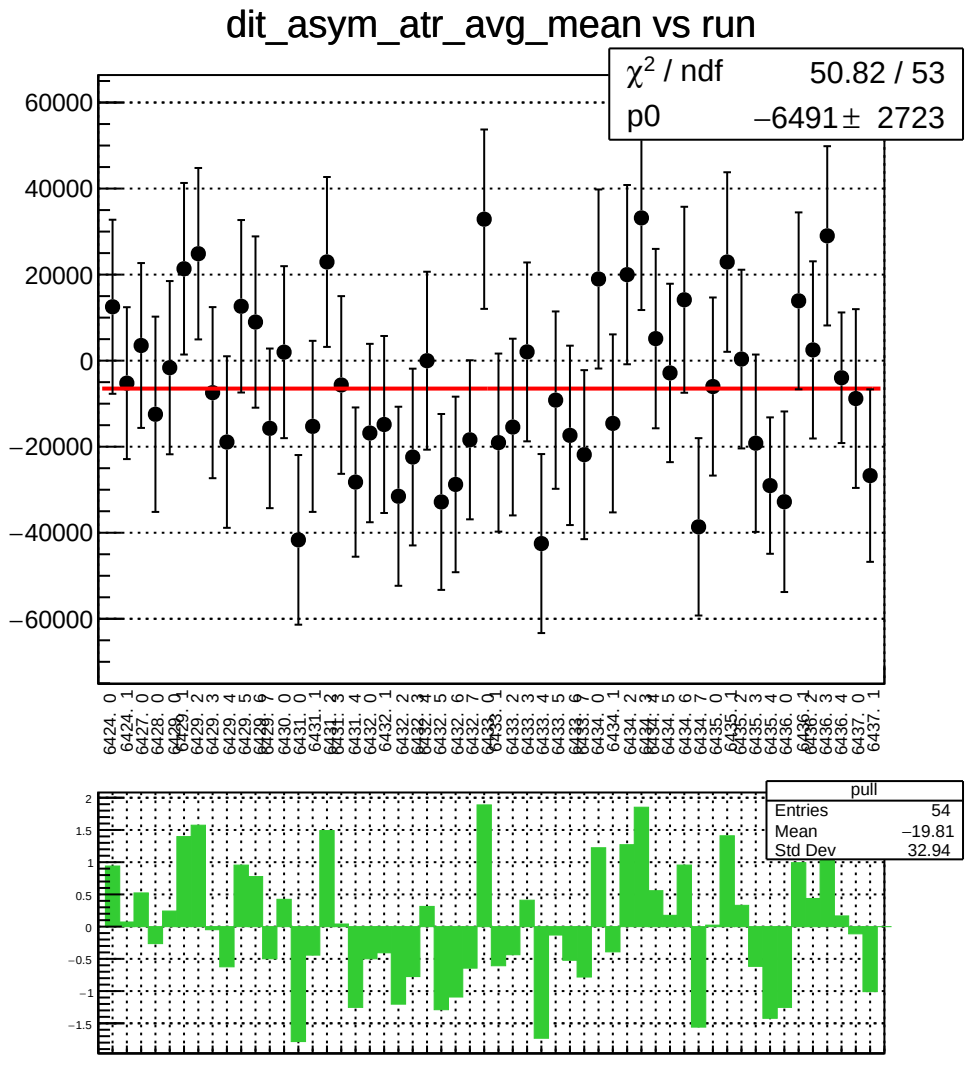
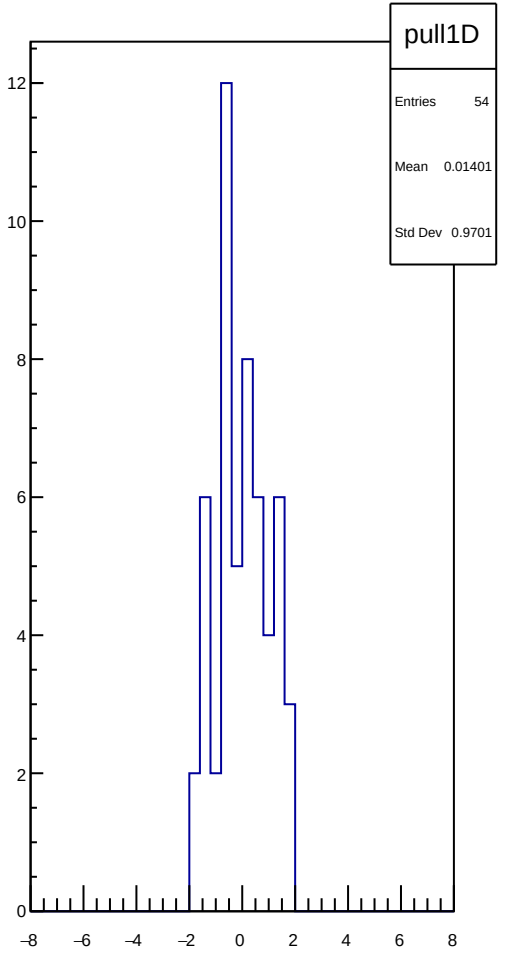
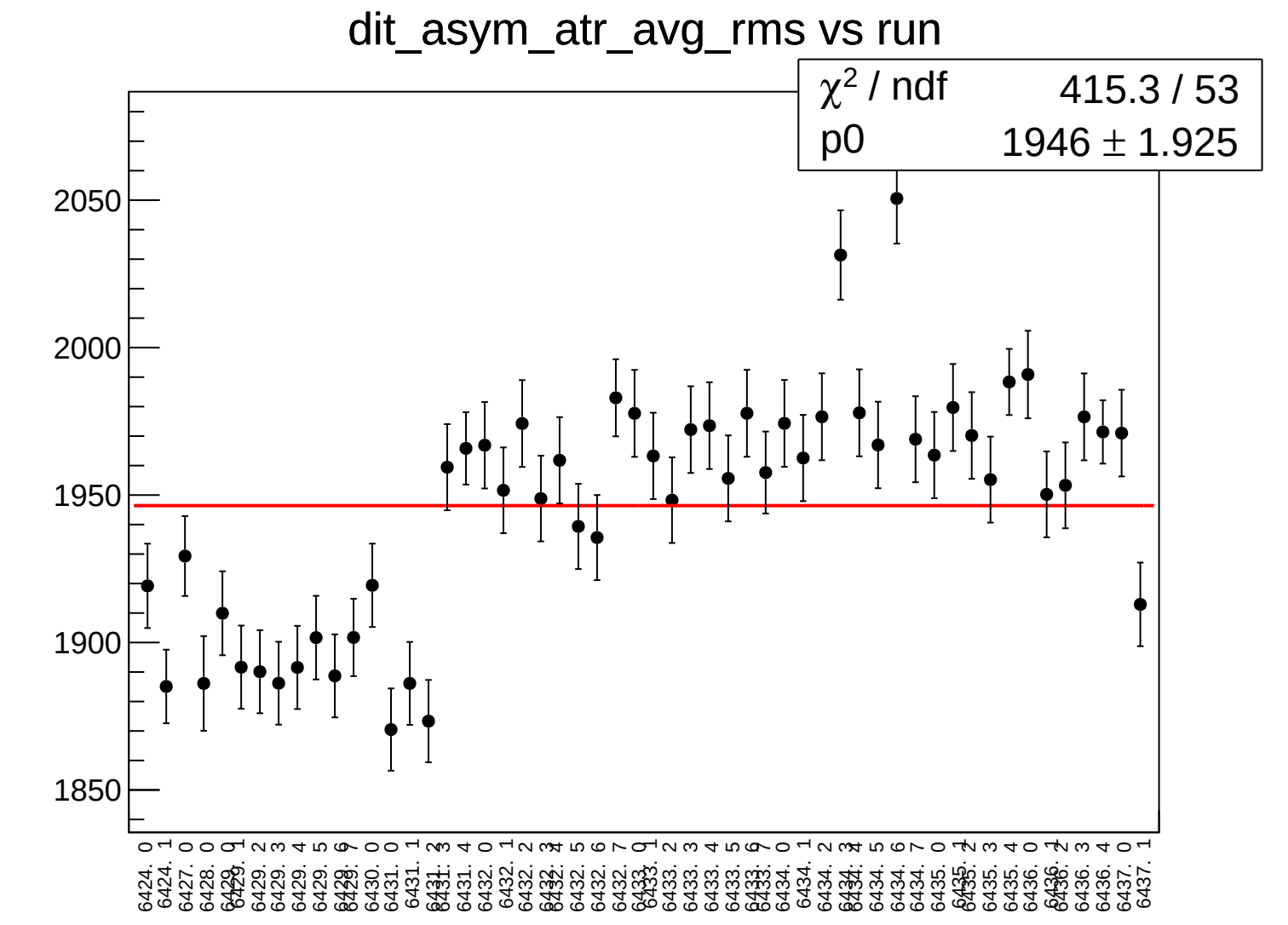
2
4
6
8


asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 2936 / 53
p0 4398 ± 4.356
5400
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_atr_avg_mean vs run
χ² / ndf 50.82 / 53
p0 −6491 ± 2723
pull
Entries 54
Mean −19.81
Std Dev 32.94


pull1D
Entries 54
Mean 0.01401
Std Dev 0.9701


dit_asym_atr_avg_rms vs run
χ² / ndf 415.3 / 53
p0 1946 ± 1.925
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6434. 6
6434. 7
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6435. 1
6435. 2
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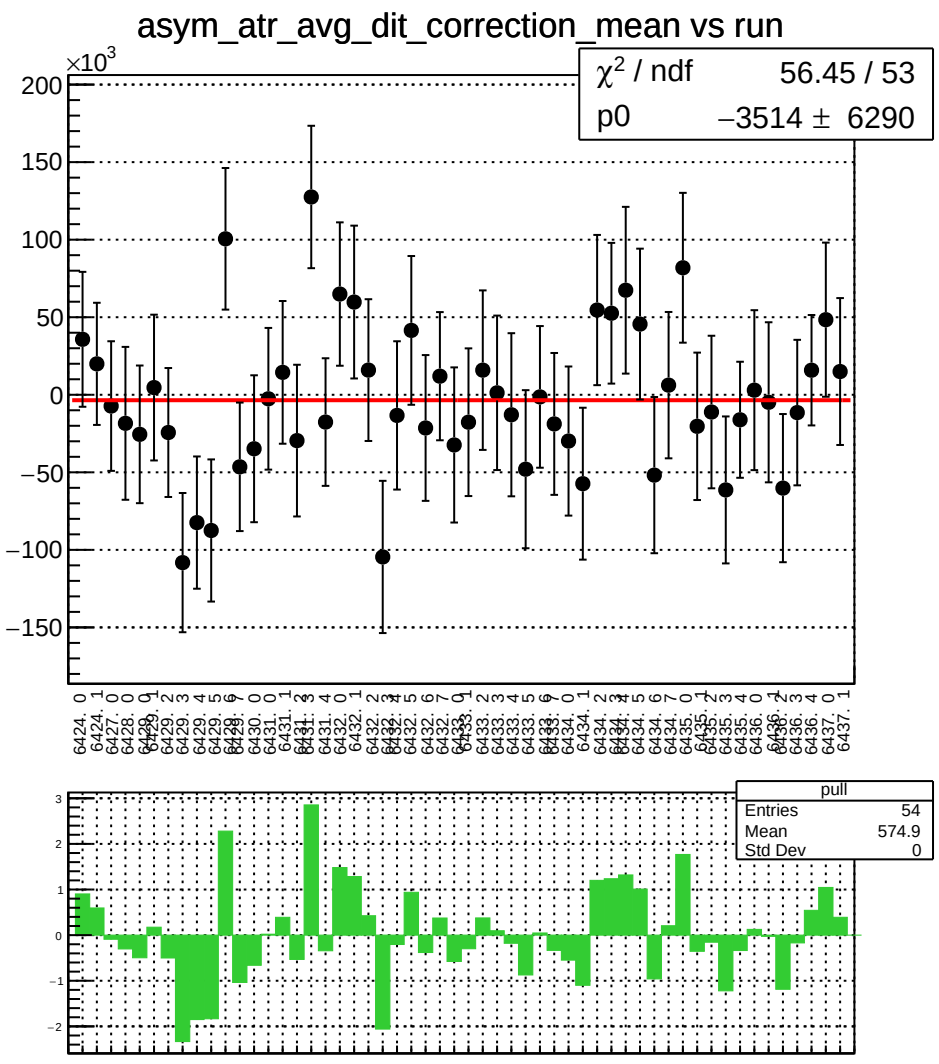
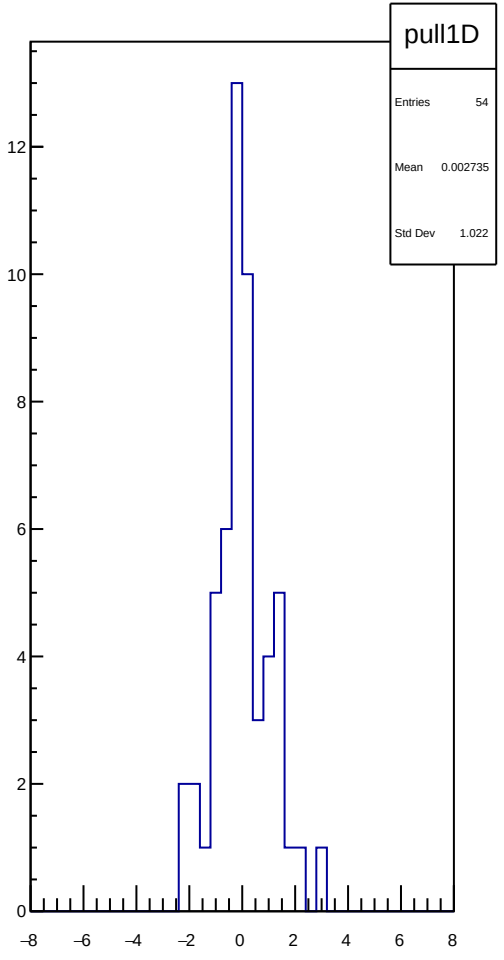
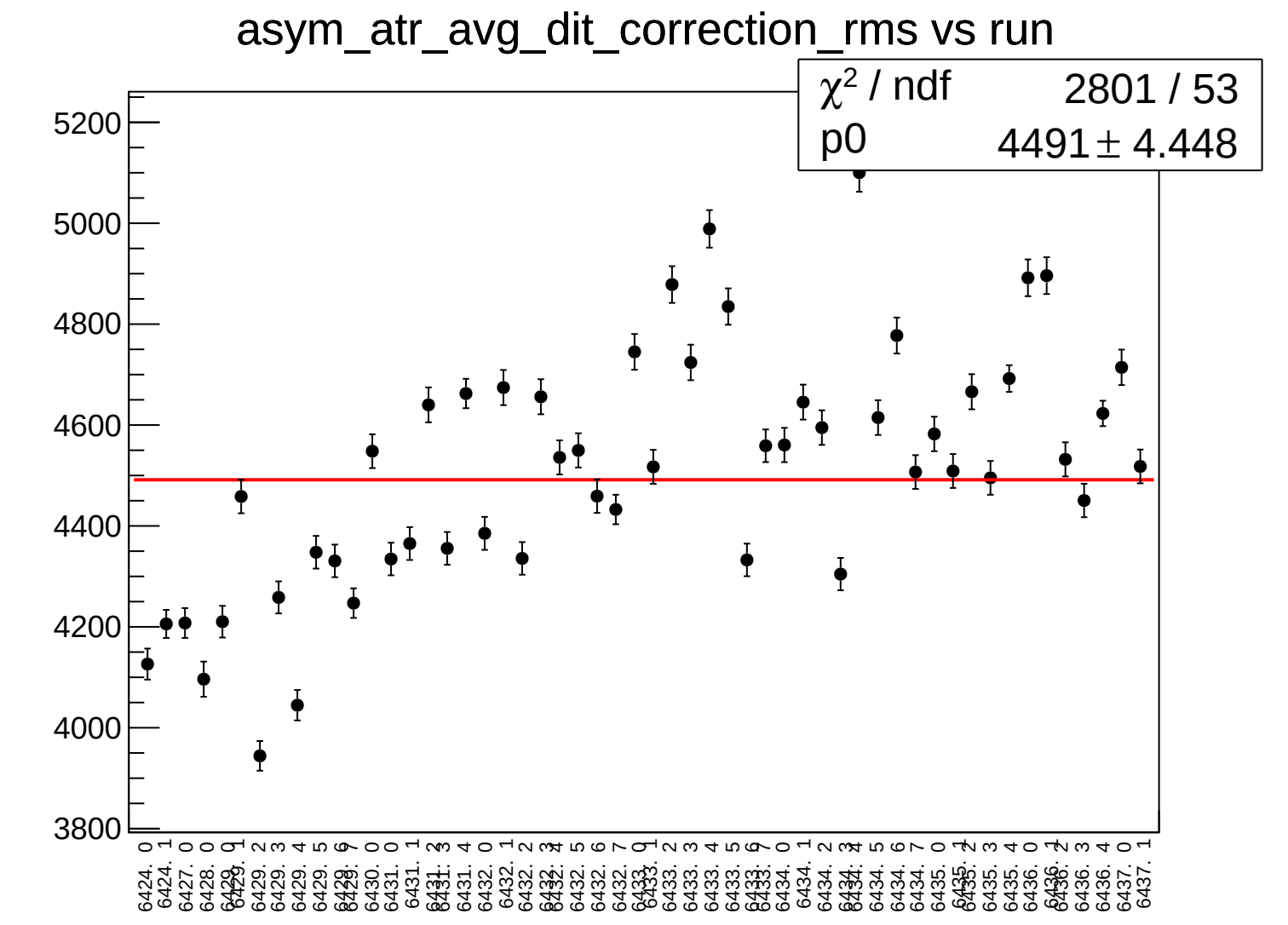
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.45 / 53
p0 −3514 ± 6290
pull
Entries 54
Mean 574.9
Std Dev 0


pull1D
Entries 54
Mean 0.002735
Std Dev 1.022


asym_atr_avg_dit_correction_rms vs run
χ² / ndf 2801 / 53
p0 4491 ± 4.448
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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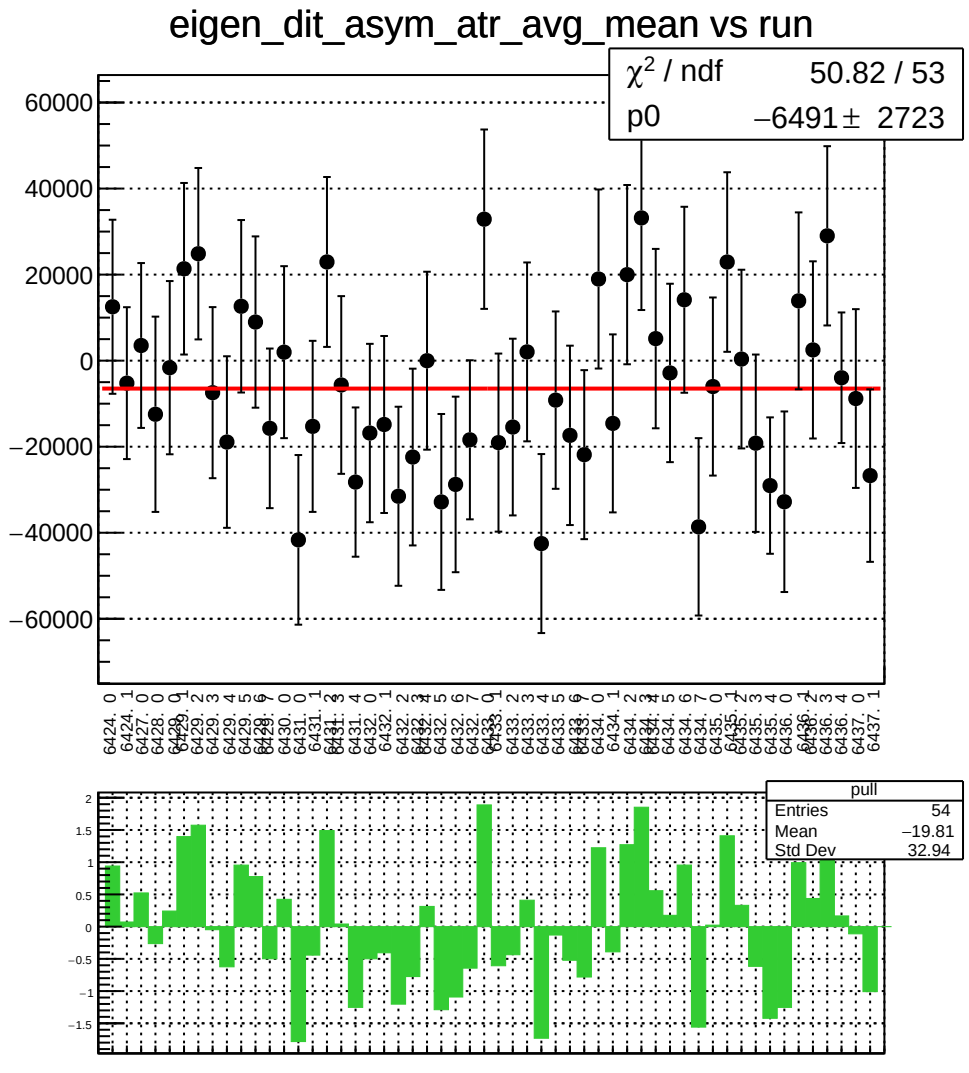
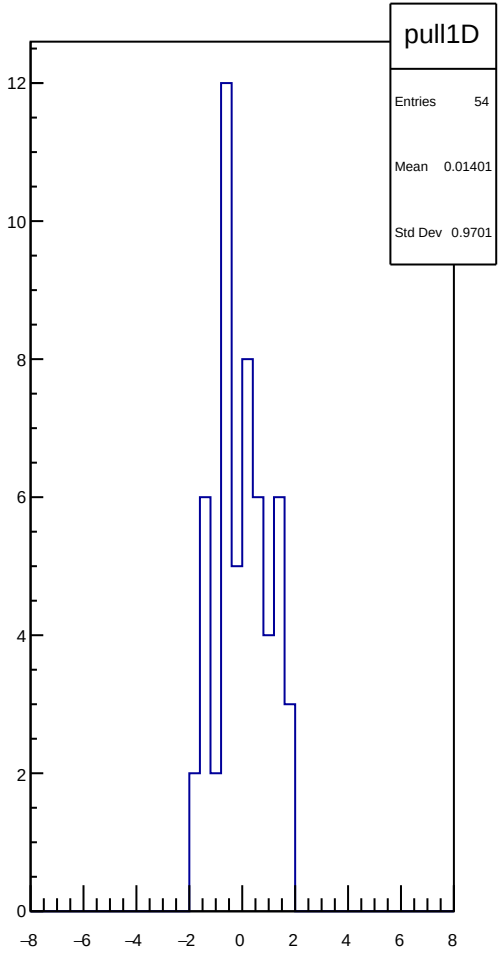
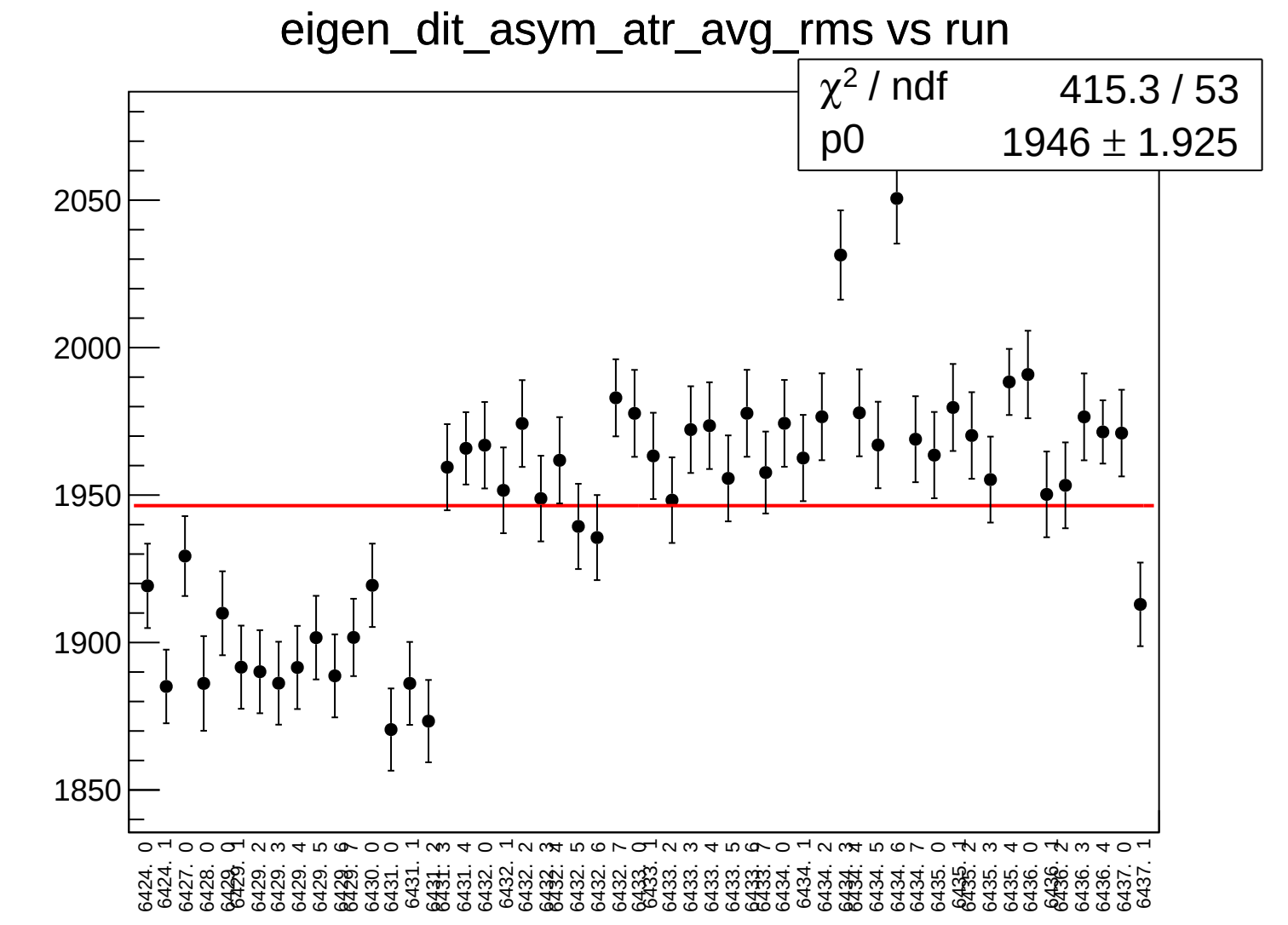

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 50.82 / 53
p0 −6491 ± 2723
pull
Entries 54
Mean −19.81
Std Dev 32.94


pull1D
Entries 54
Mean 0.01401
Std Dev 0.9701


eigen_dit_asym_atr_avg_rms vs run
χ^2 / ndf 415.3 / 53
p0 1946 ± 1.925
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6433. 5
6434. 0
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6434. 5
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6435. 4
6436. 0
6436. 3
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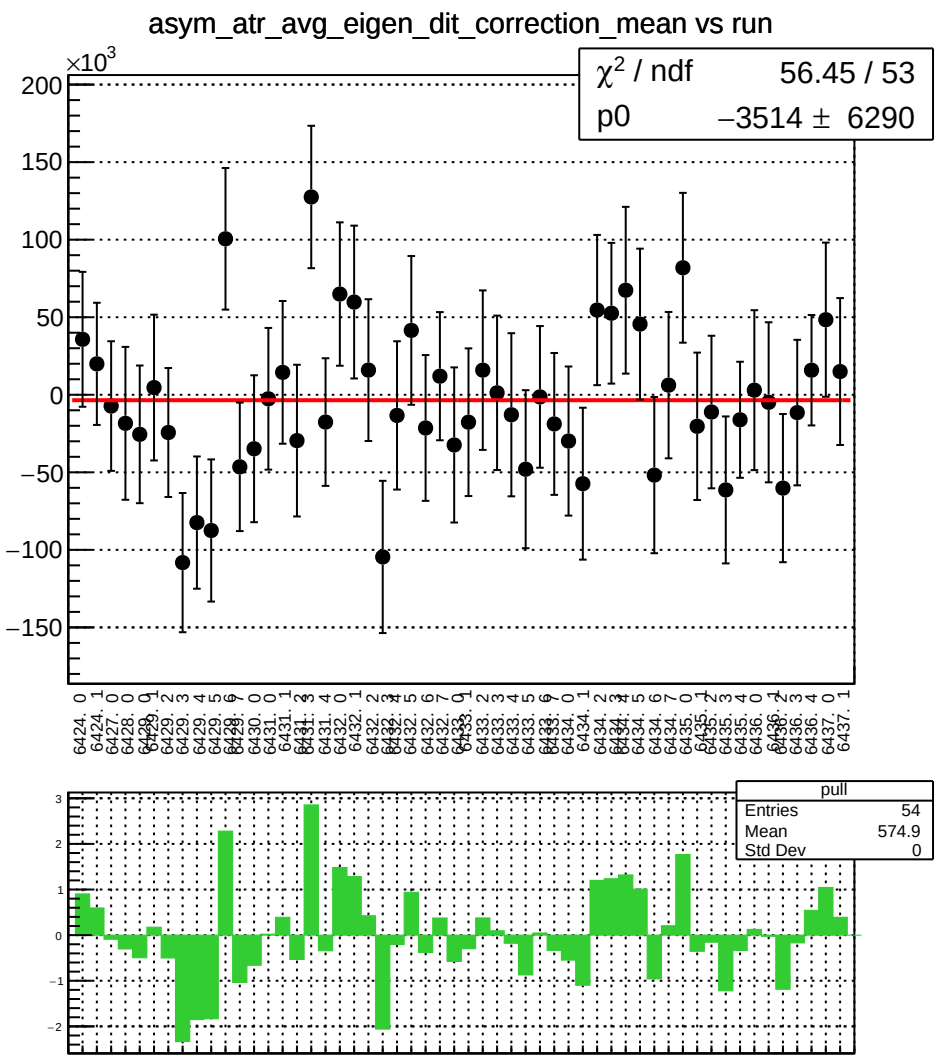
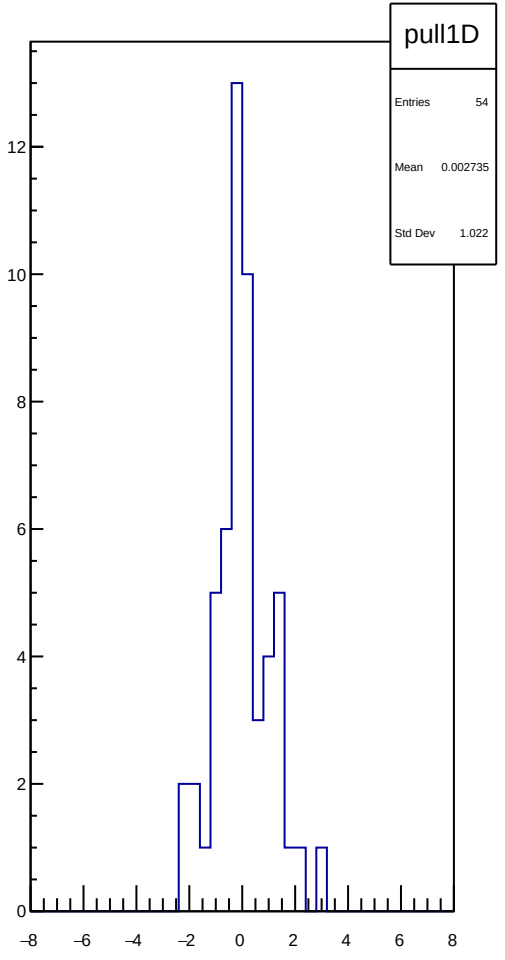
6437. 0
6437. 1


asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.45 / 53
p0 −3514 ± 6290
200
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 574.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002735
Std Dev 1.022
12
10
8
6
4
2
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−8
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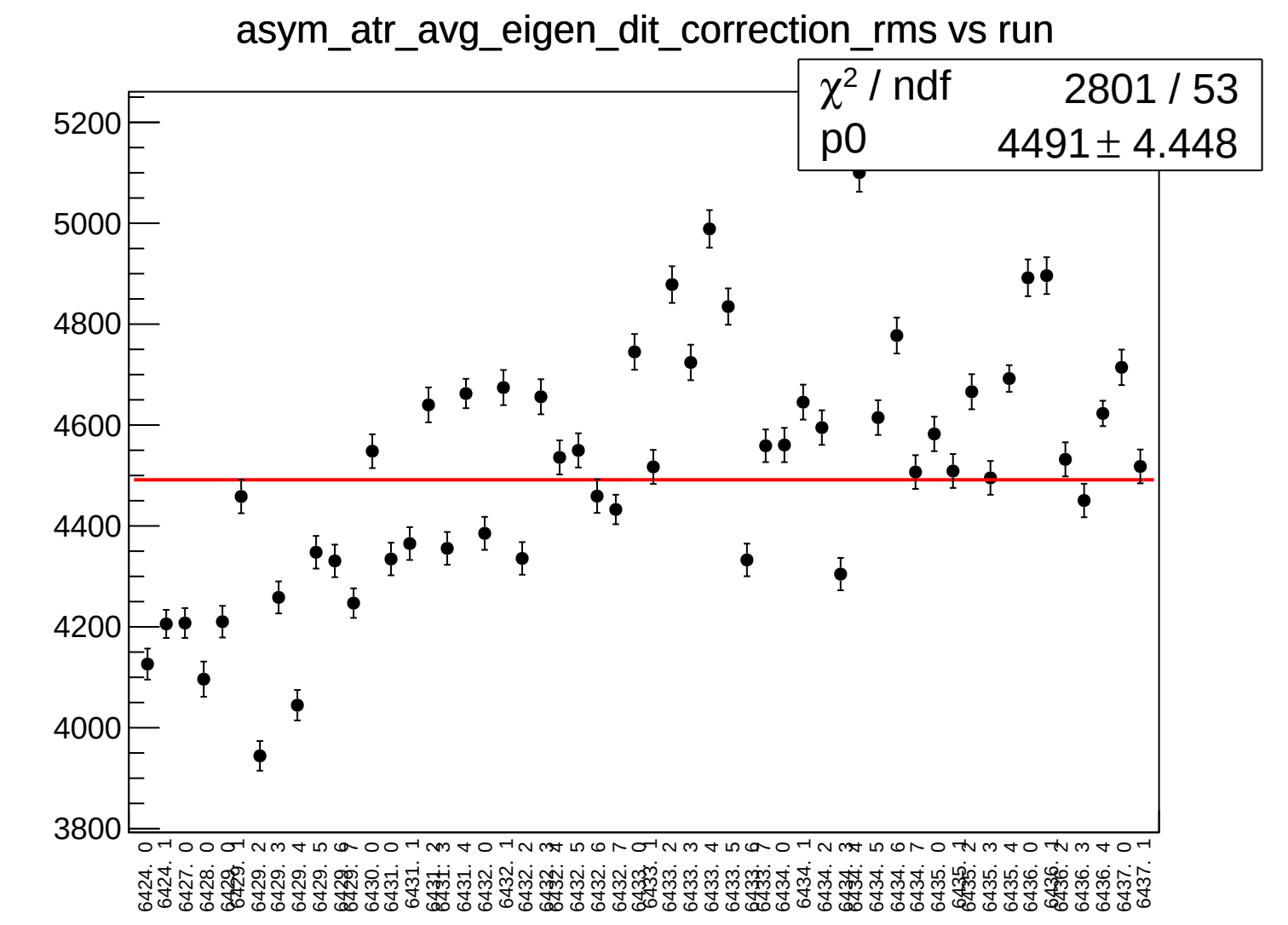
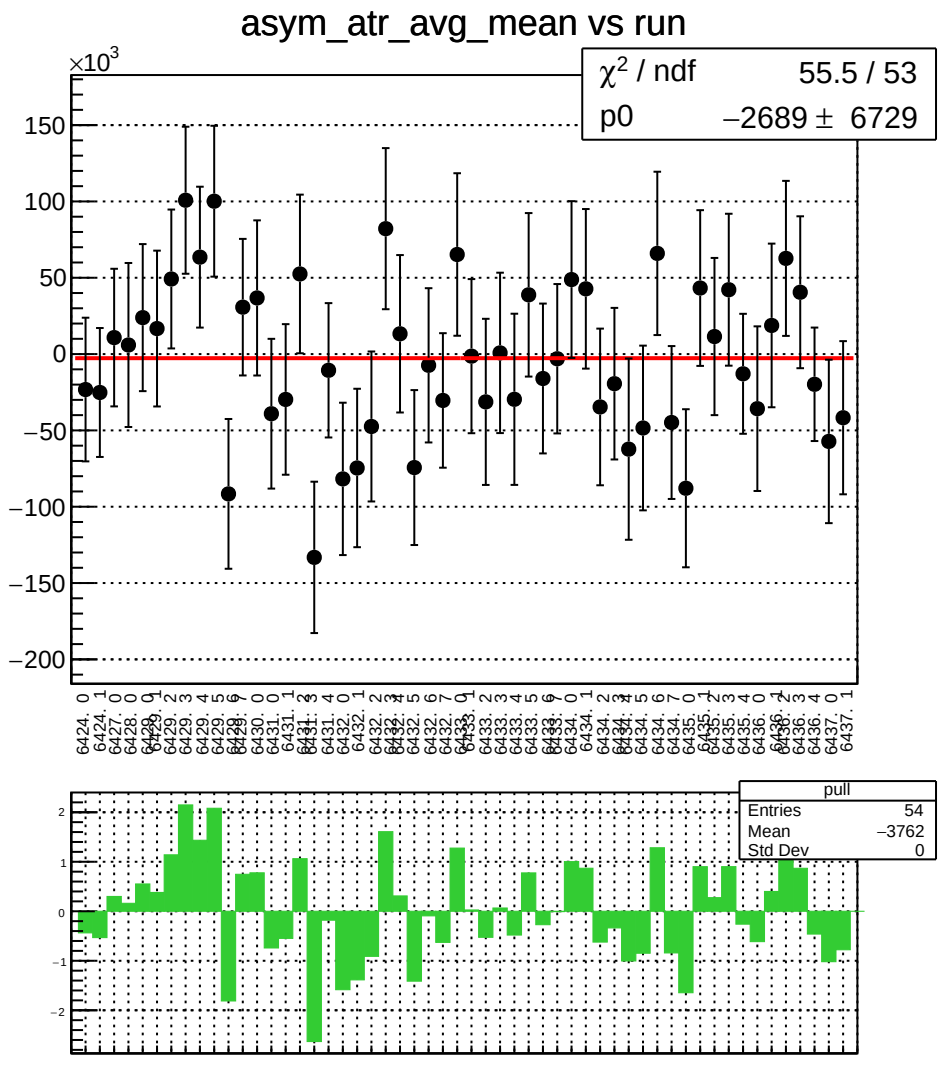
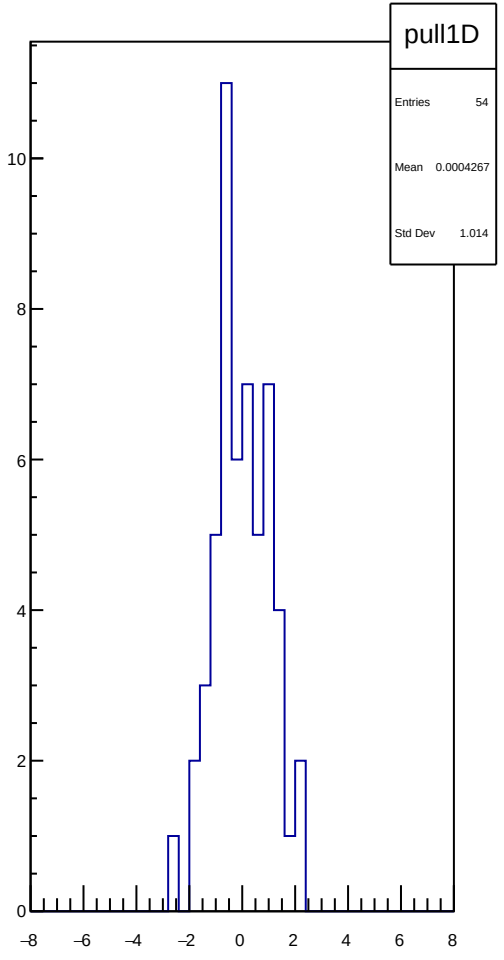
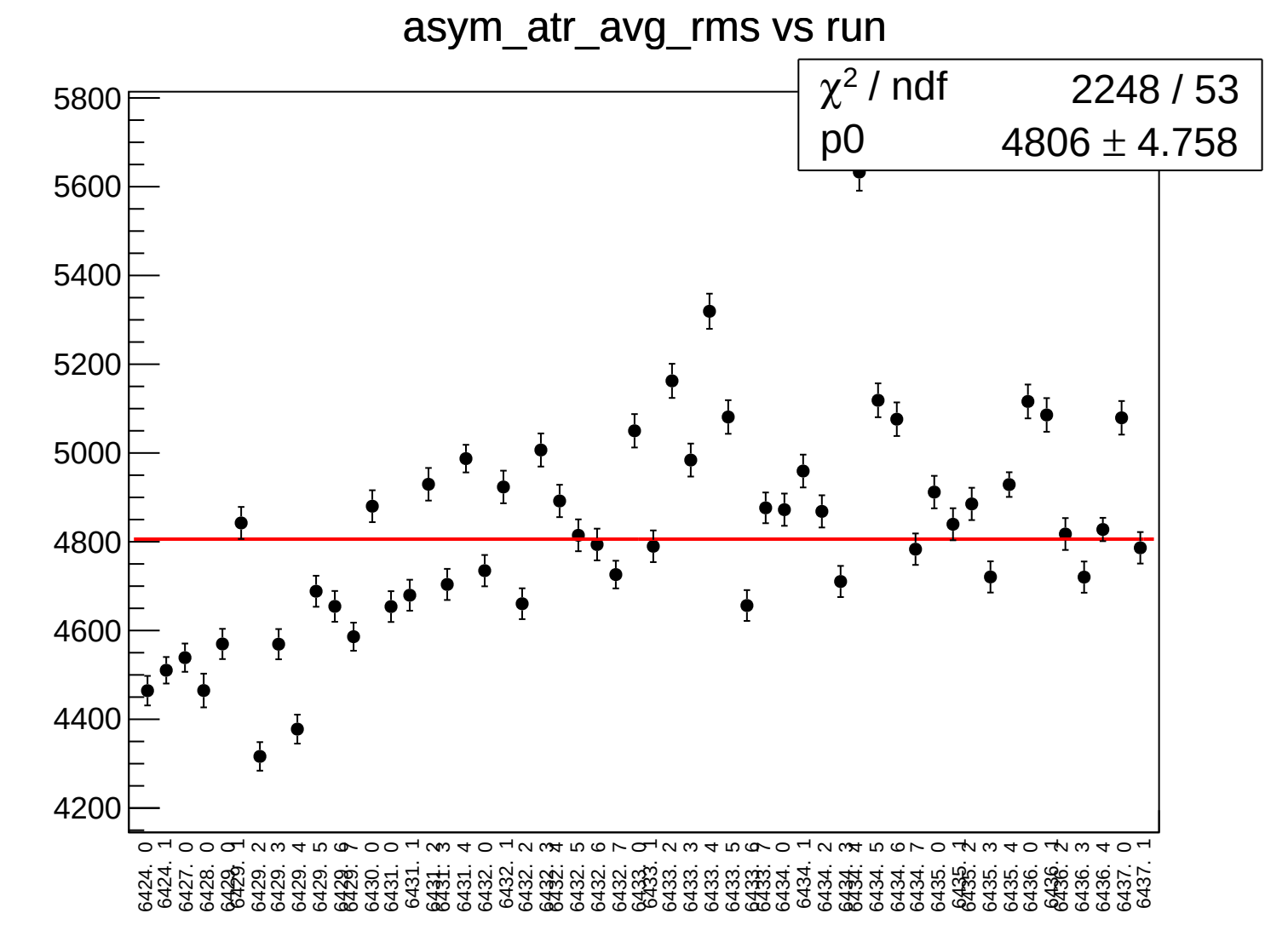
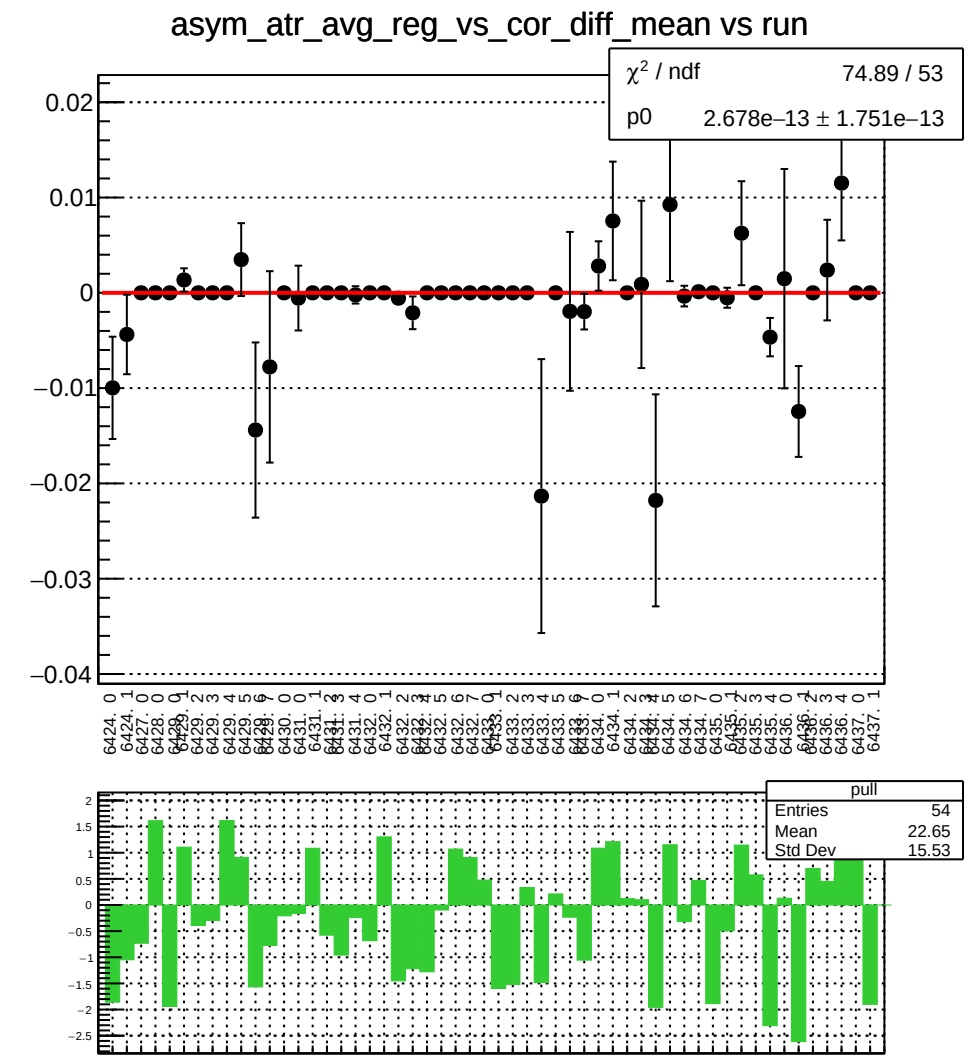
−2
0
2
4
6
8

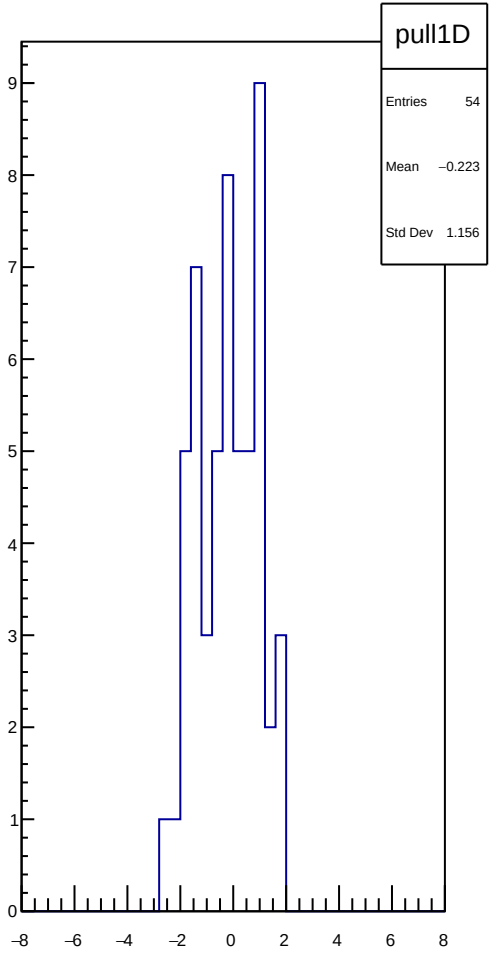

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 2801 / 53
p0 4491 ± 4.448
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

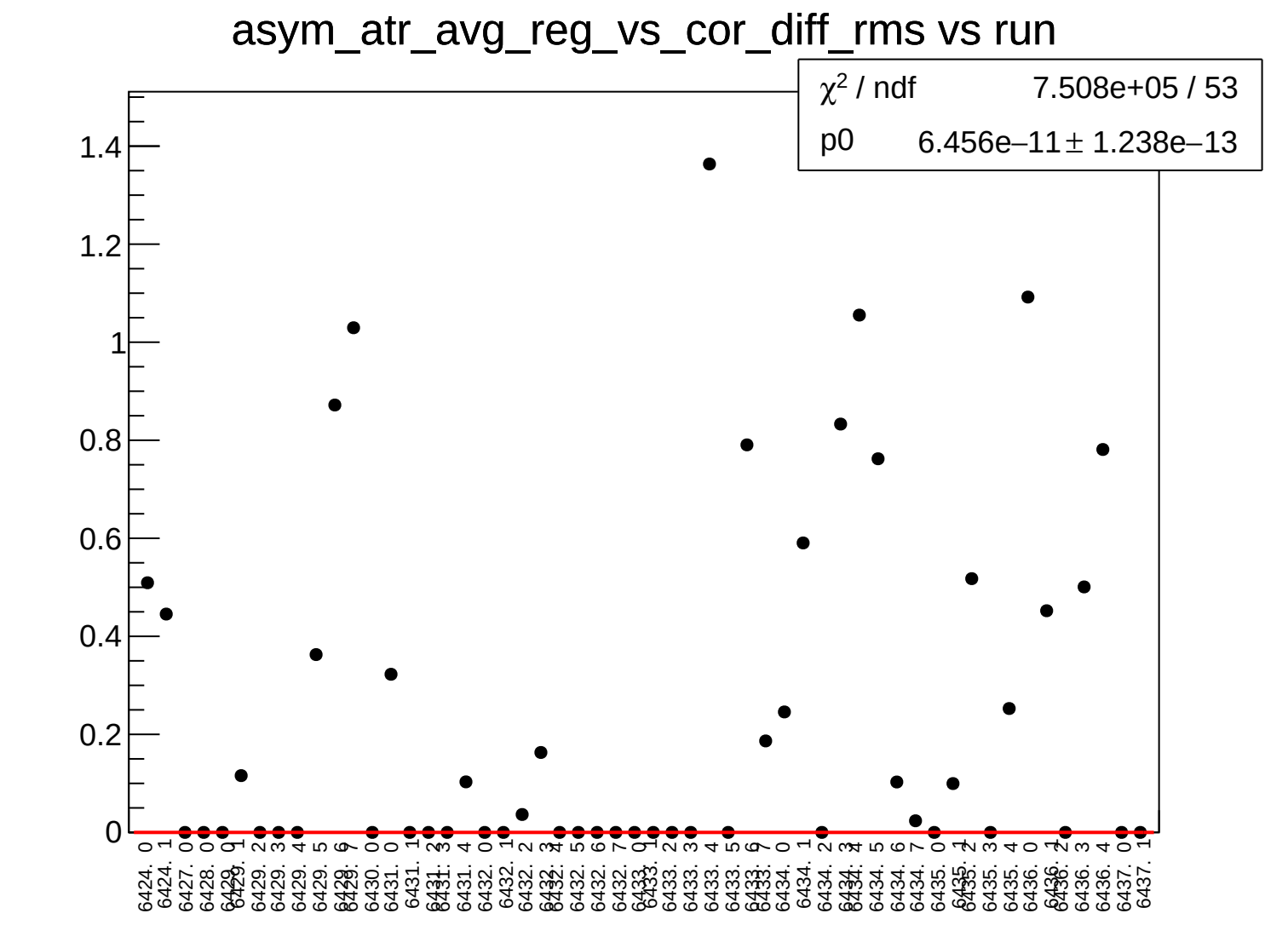

asym_atr_avg_mean vs run
×10^3
χ² / ndf 55.5 / 53
p0 −2689 ± 6729
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −3762
Std Dev 0
2
1
0
−1
−2

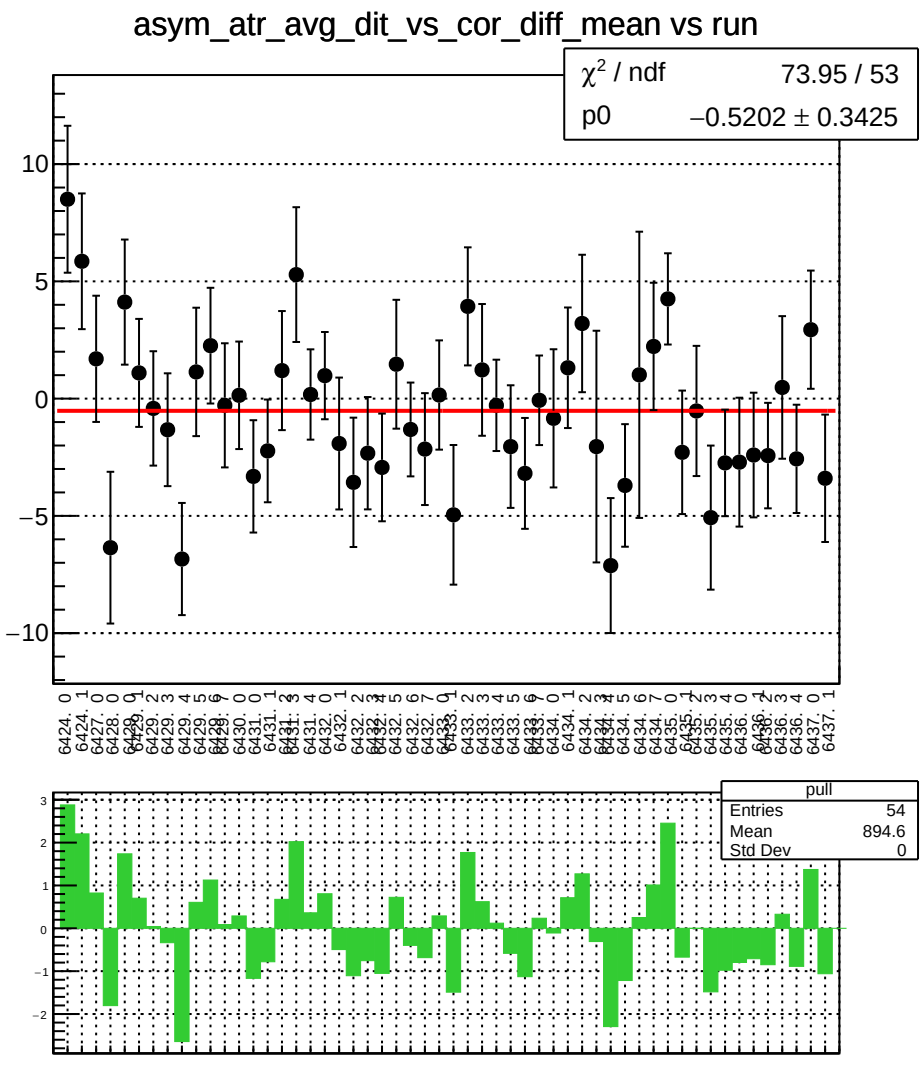

pull1D
Entries 54
Mean 0.0004267
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

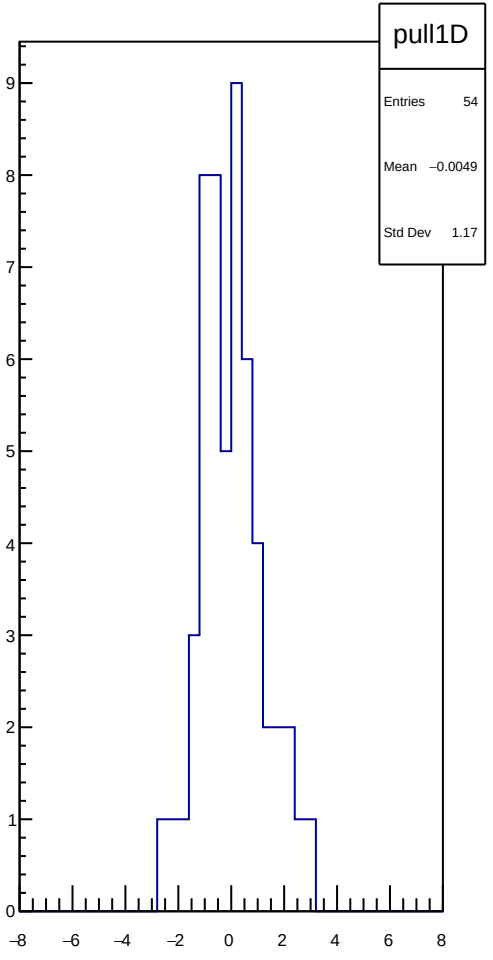

asym_atr_avg_rms vs run
χ^2 / ndf 2248 / 53
p0 4806 ± 4.758
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

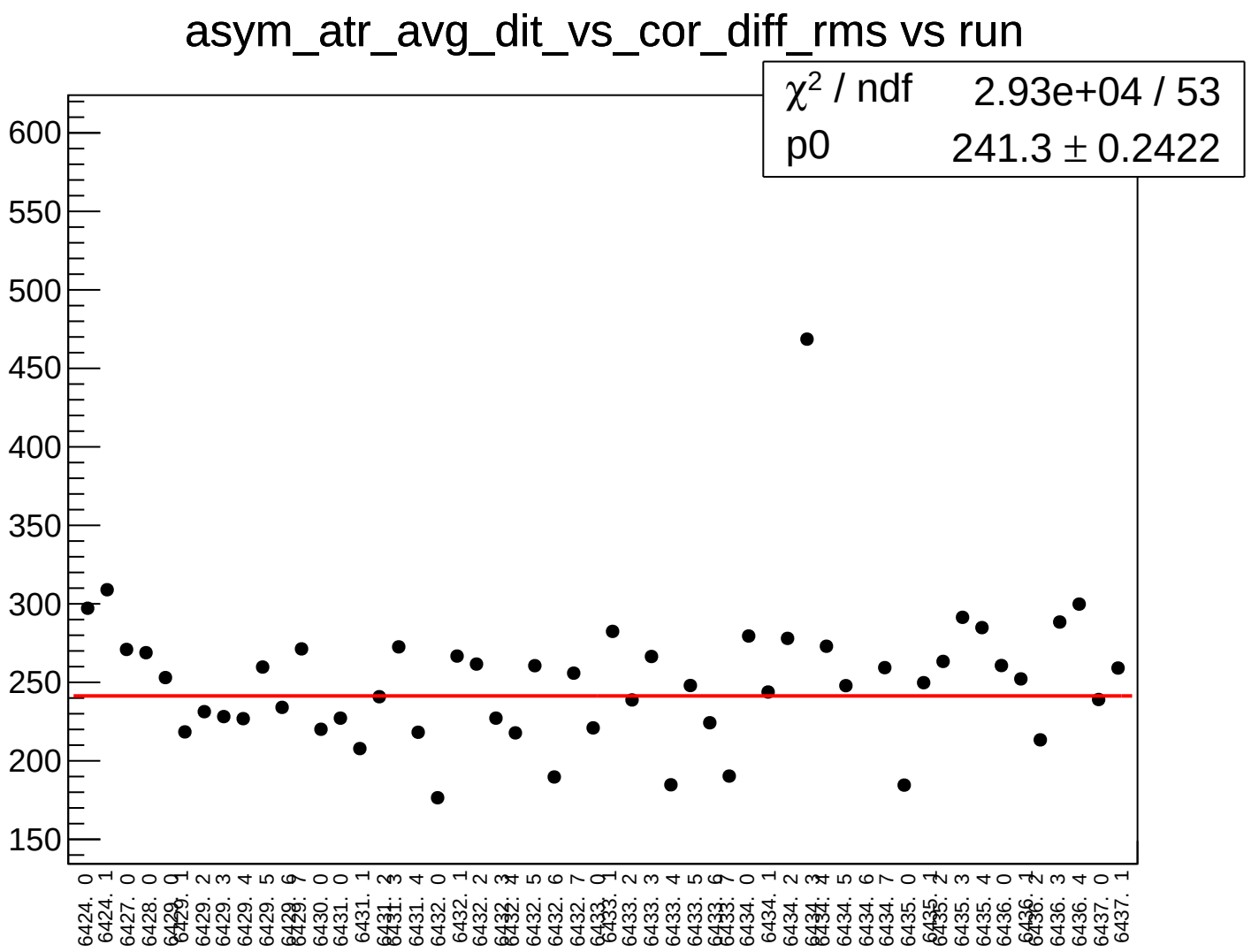

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.89 / 53
p0 2.678e−13 ± 1.751e−13
pull
Entries 54
Mean 22.65
Std Dev 15.53

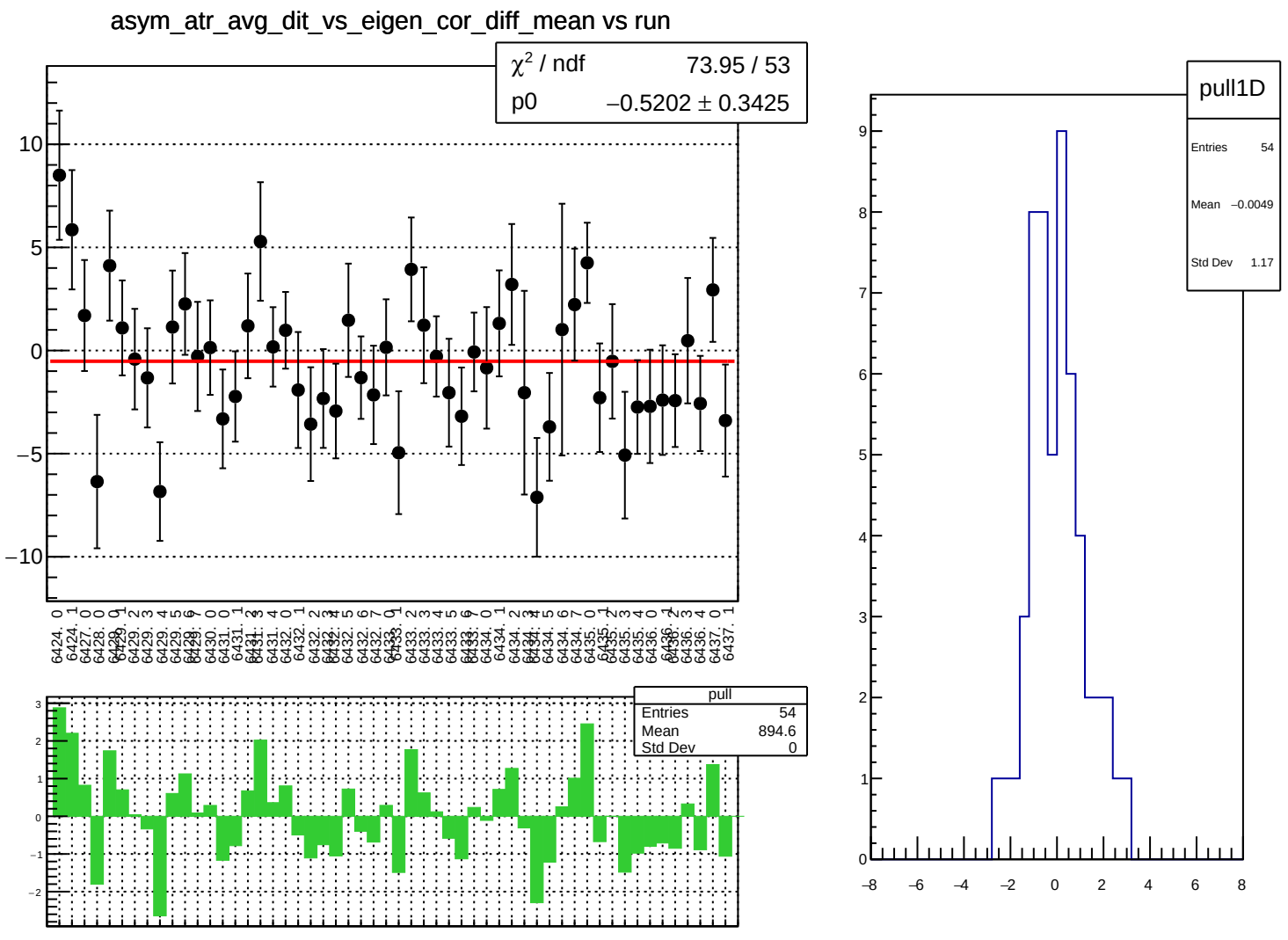

pull1D
Entries 54
Mean −0.223
Std Dev 1.156

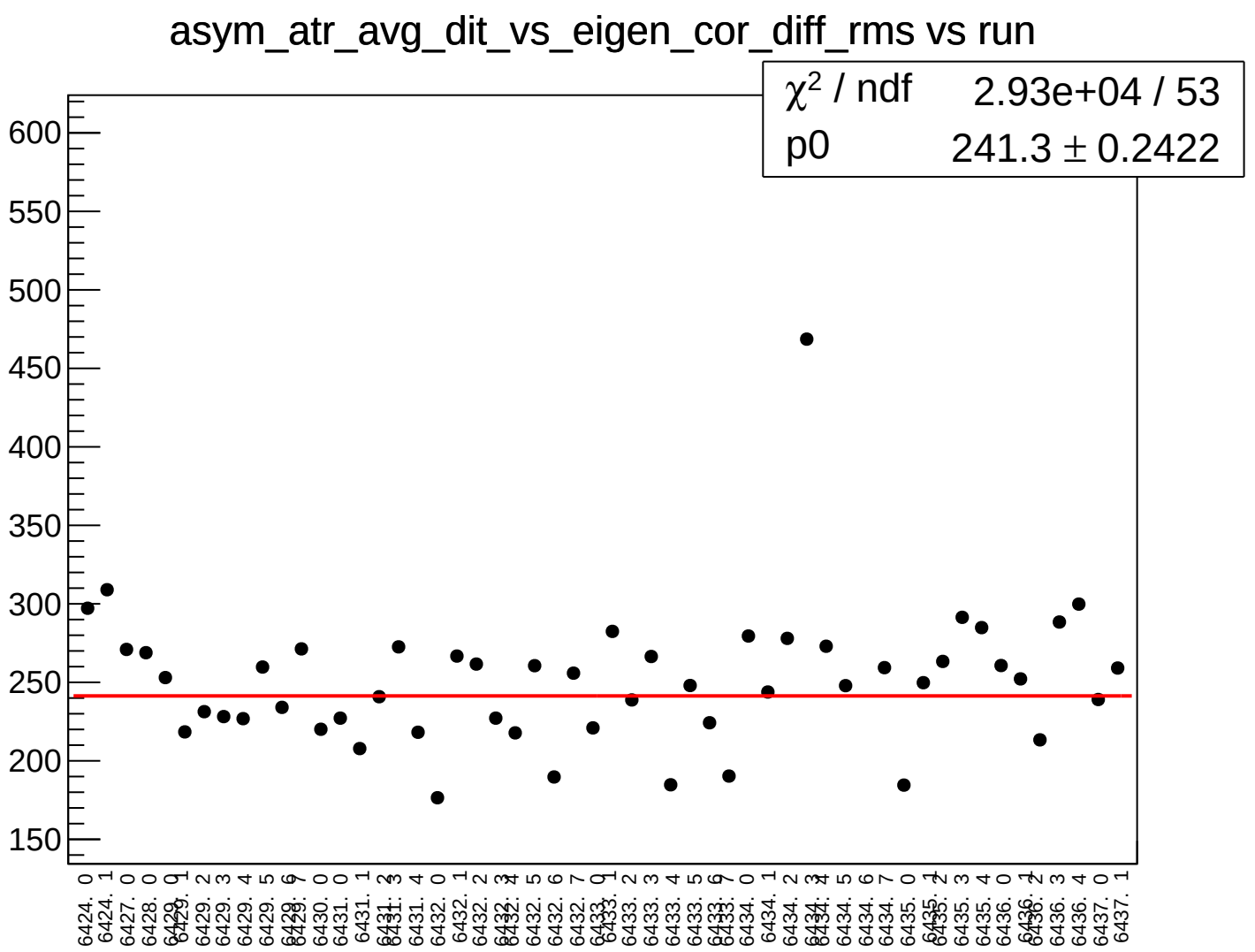

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.508e+05 / 53
p0 6.456e−11 ± 1.238e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

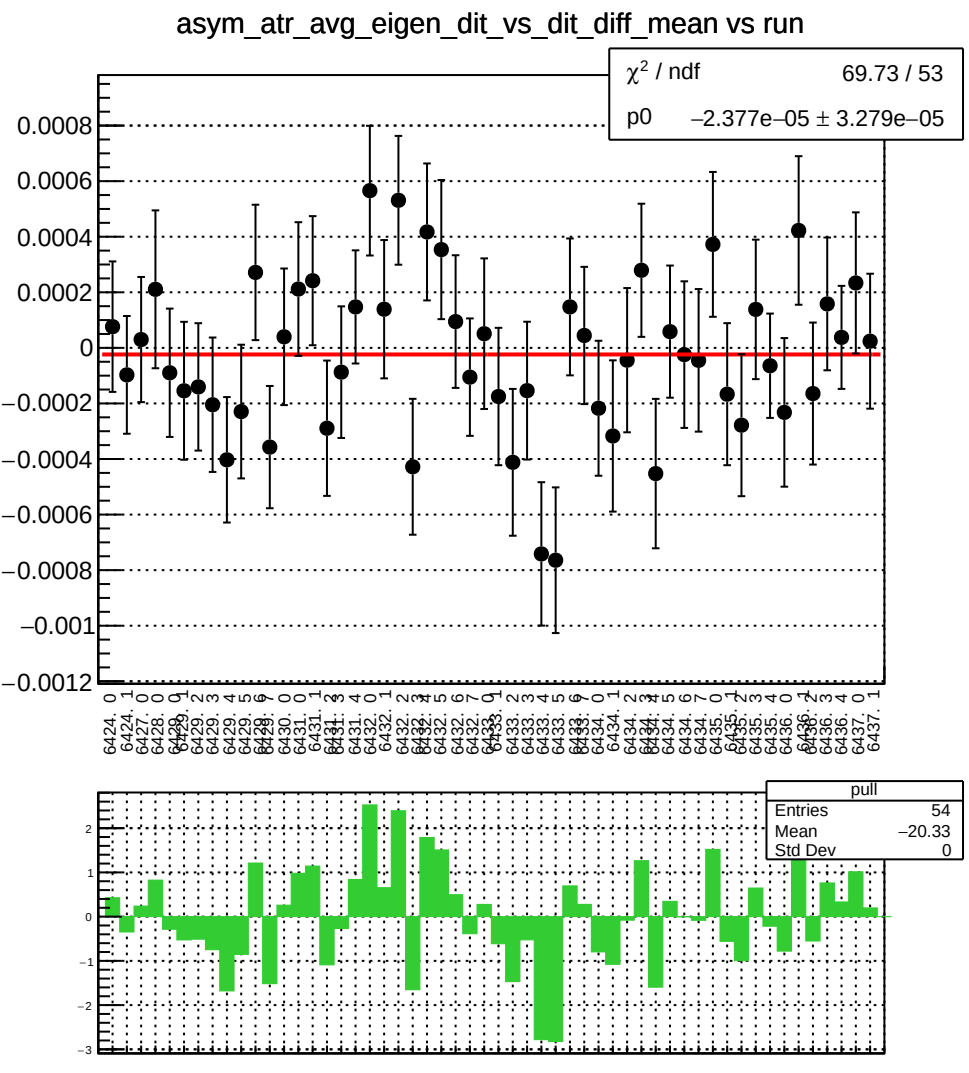

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.95 / 53
p0 −0.5202 ± 0.3425
10
5
0
−5
−10
pull
Entries 54
Mean 894.6
Std Dev 0
3
2
1
0
−1
−2

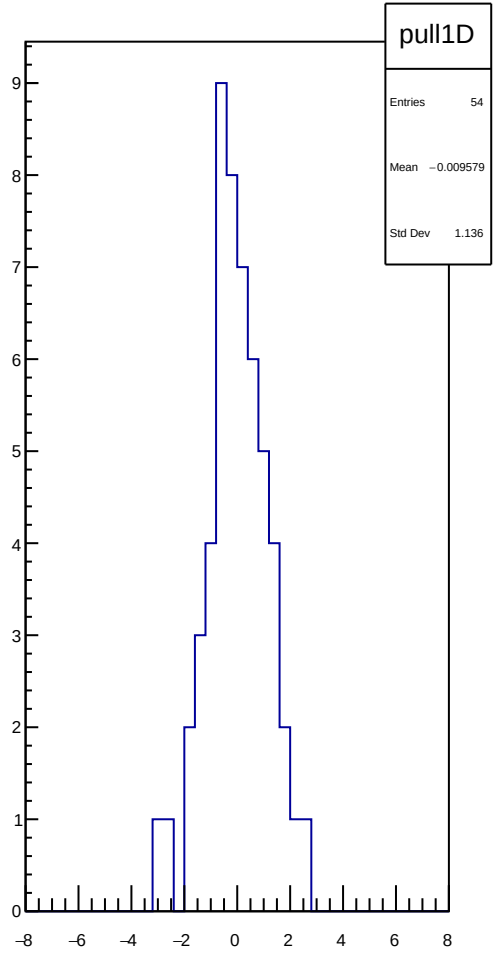

pull1D
Entries 54
Mean −0.0049
Std Dev 1.17
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

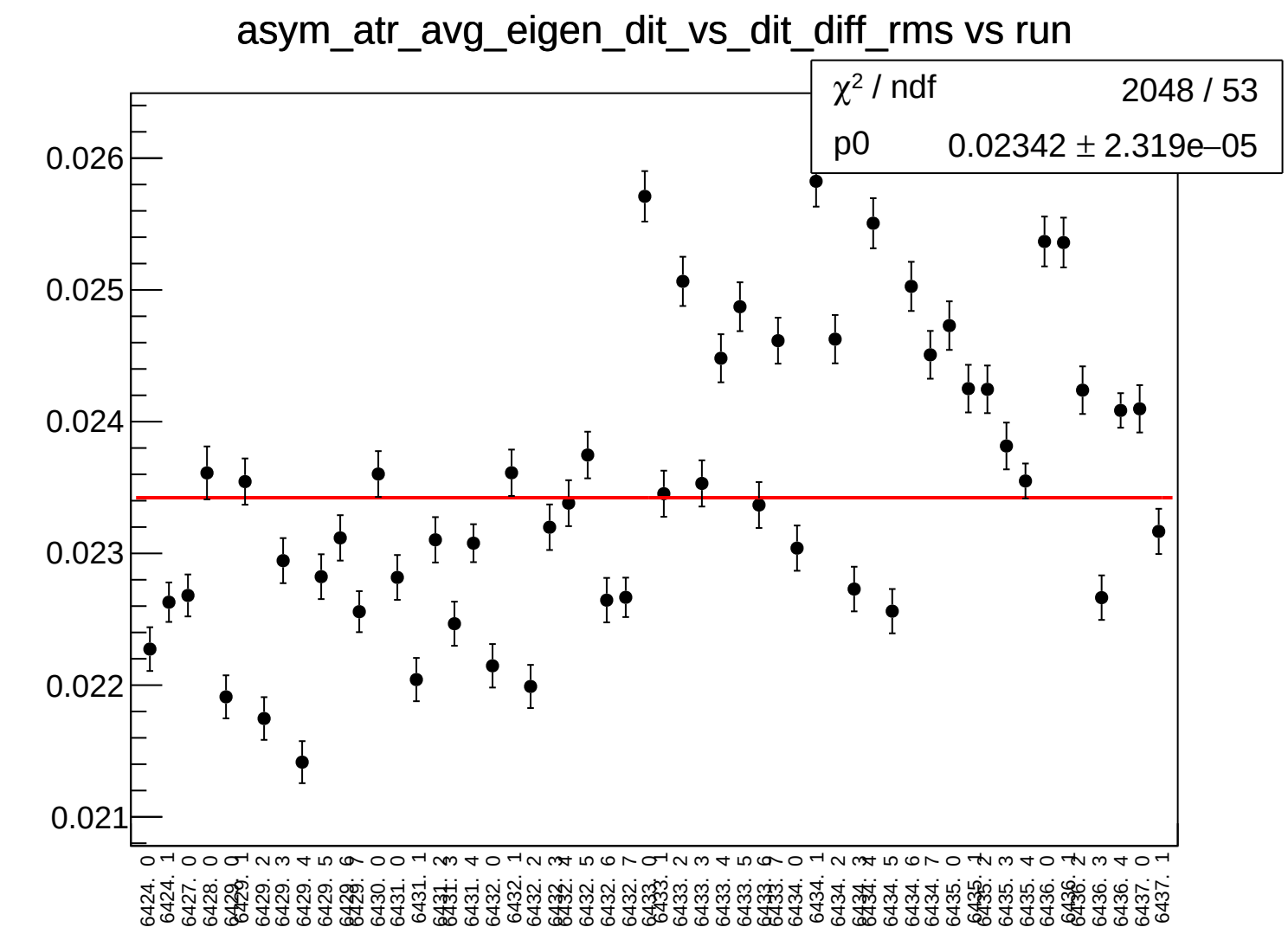

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.93e+04 / 53
p0 241.3 ± 0.2422
600
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

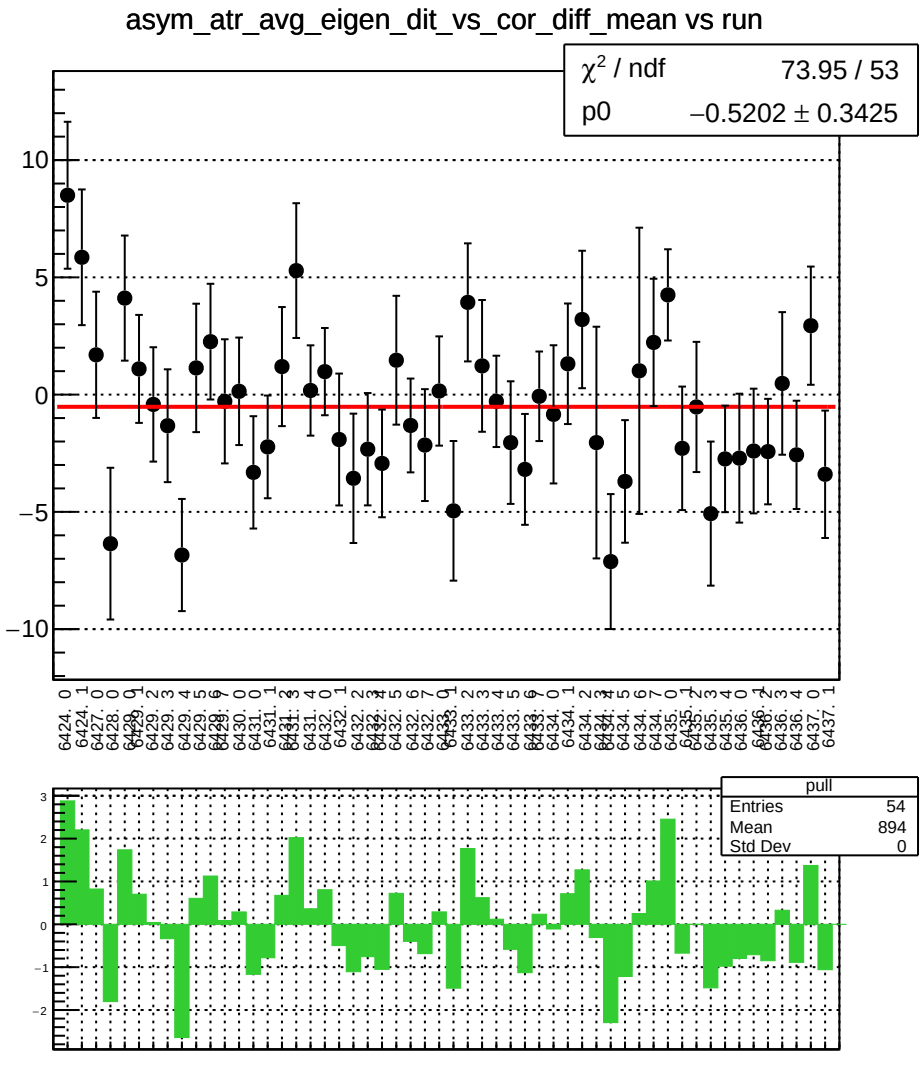

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.95 / 53
p0 −0.5202 ± 0.3425
pull
Entries 54
Mean 894.6
Std Dev 0
pull1D
Entries 54
Mean −0.0049
Std Dev 1.17

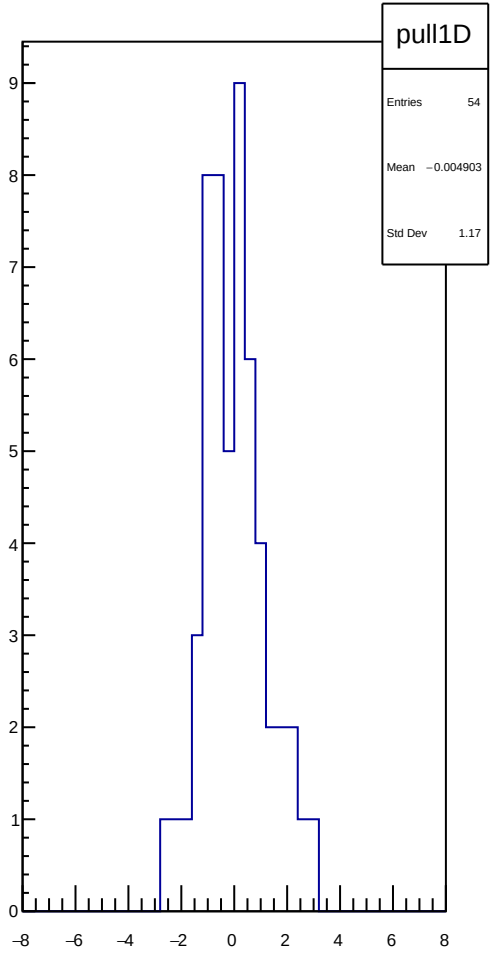

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.93e+04 / 53
p0 241.3 ± 0.2422
600
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

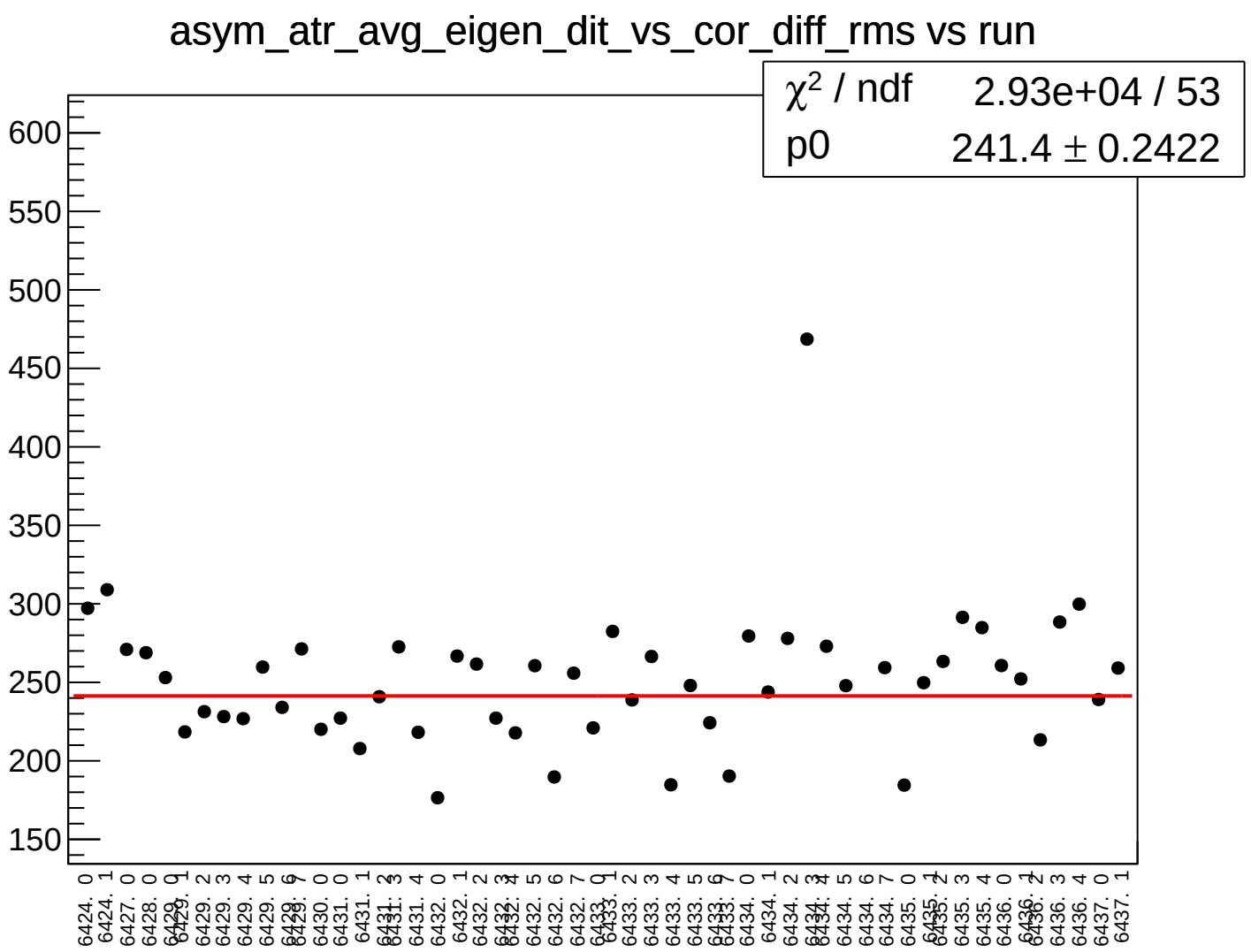

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 69.73 / 53
p0 −2.377e−05 ± 3.279e−05
pull
Entries 54
Mean −20.33
Std Dev 0

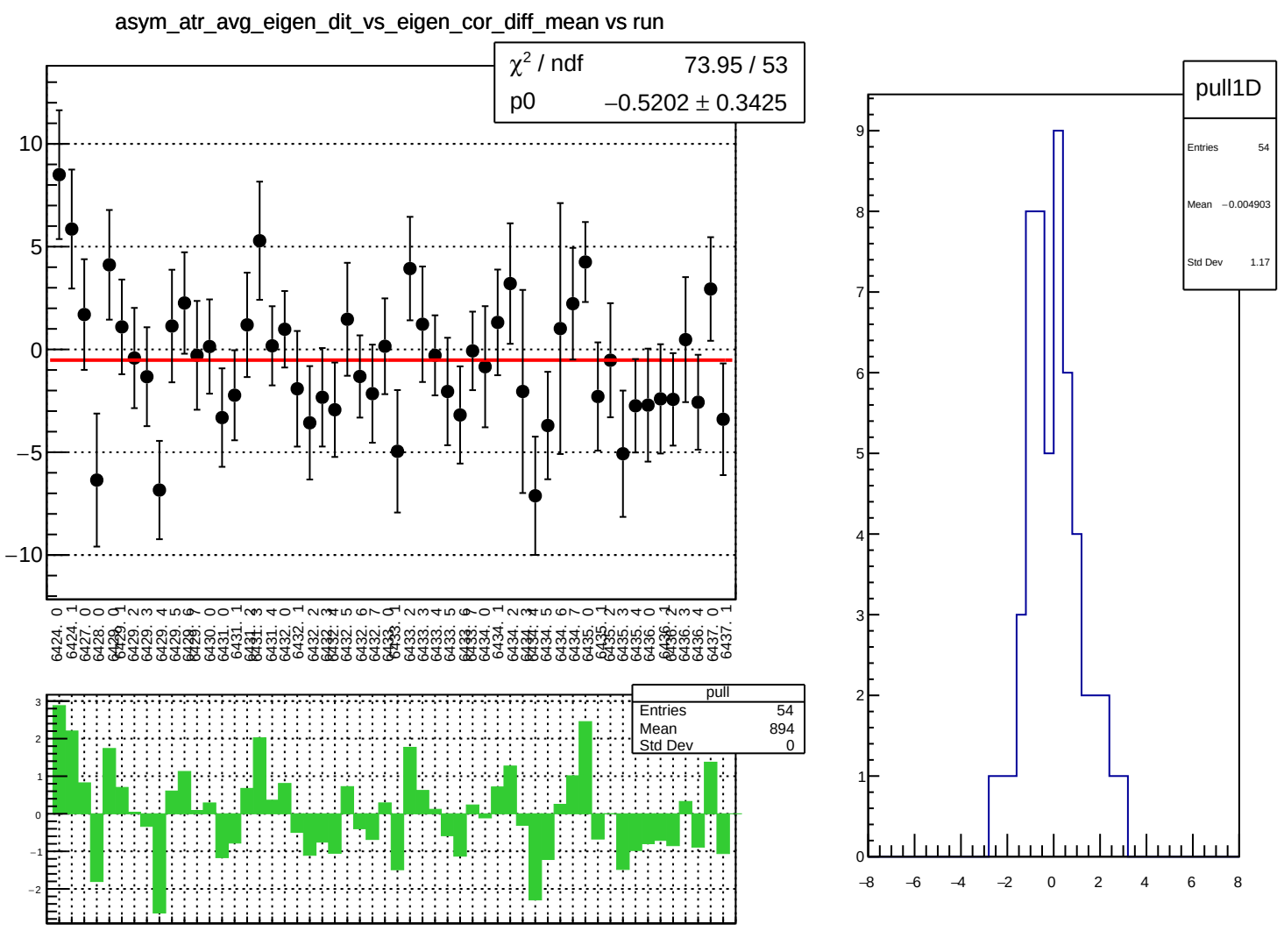

pull1D
Entries 54
Mean −0.009579
Std Dev 1.136

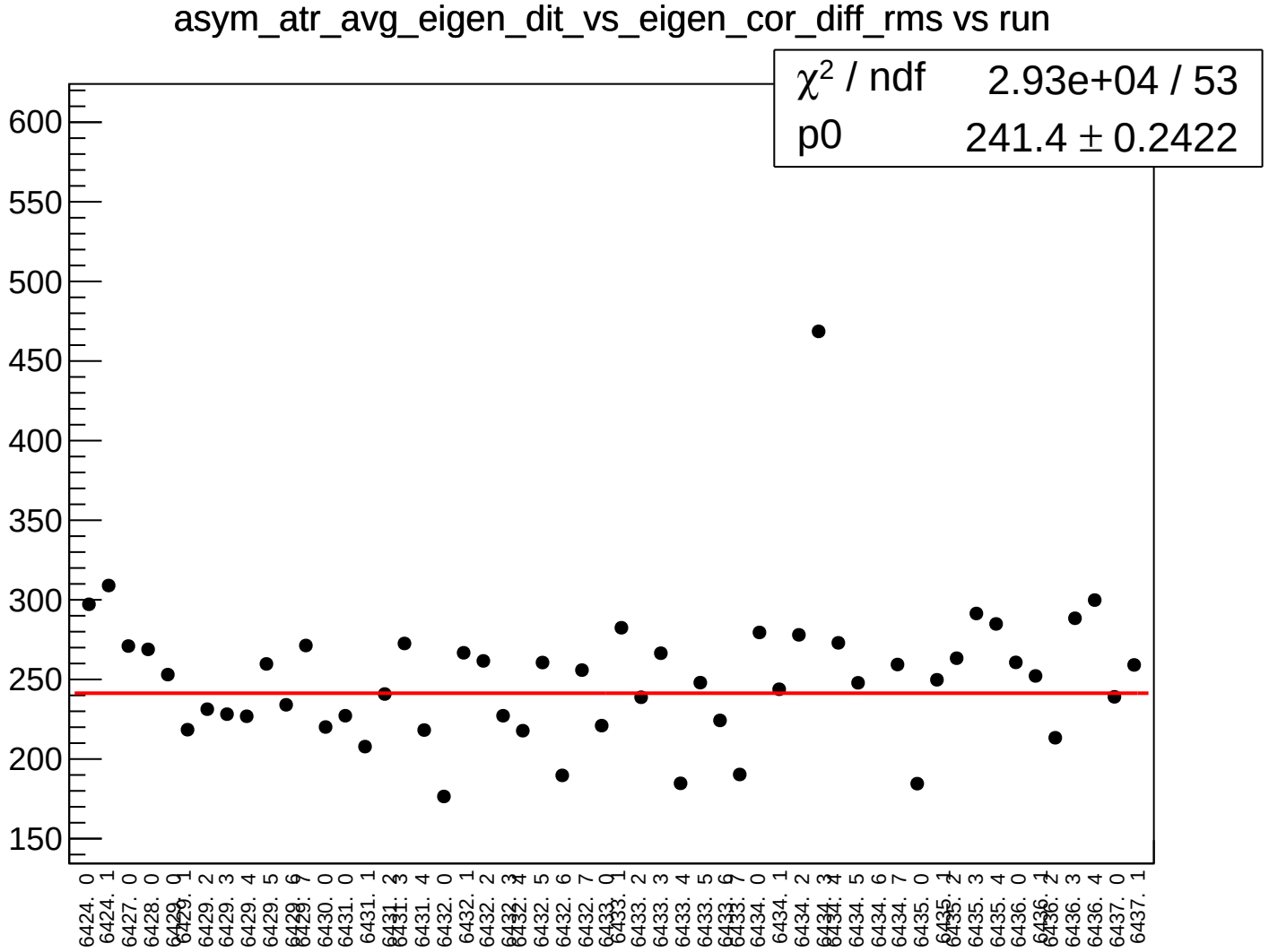

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2048 / 53
p0 0.02342 ± 2.319e−05
0.026
0.025
0.024
0.023
0.022
0.021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

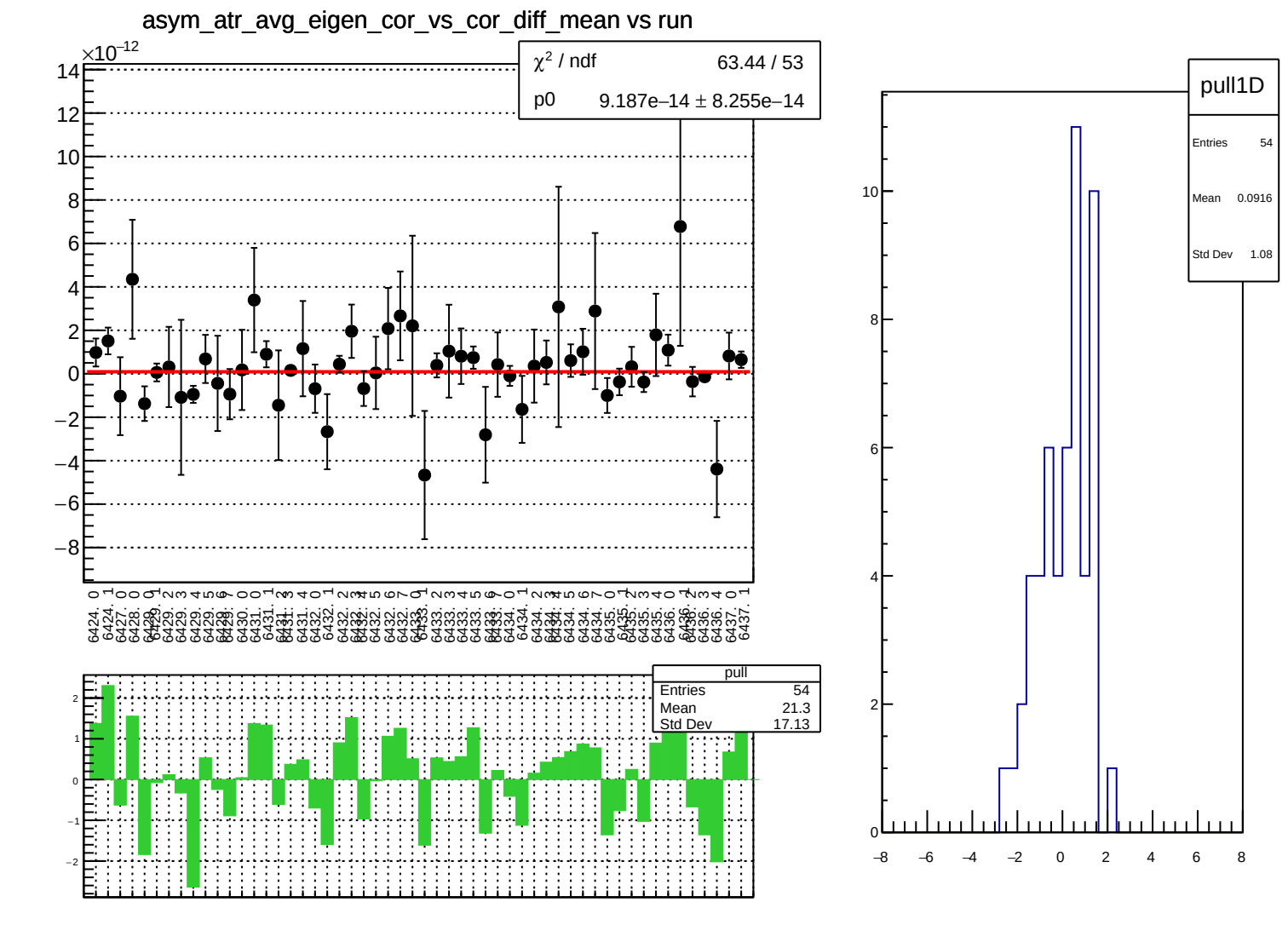

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.95 / 53
p0 −0.5202 ± 0.3425
pull
Entries 54
Mean 894
Std Dev 0

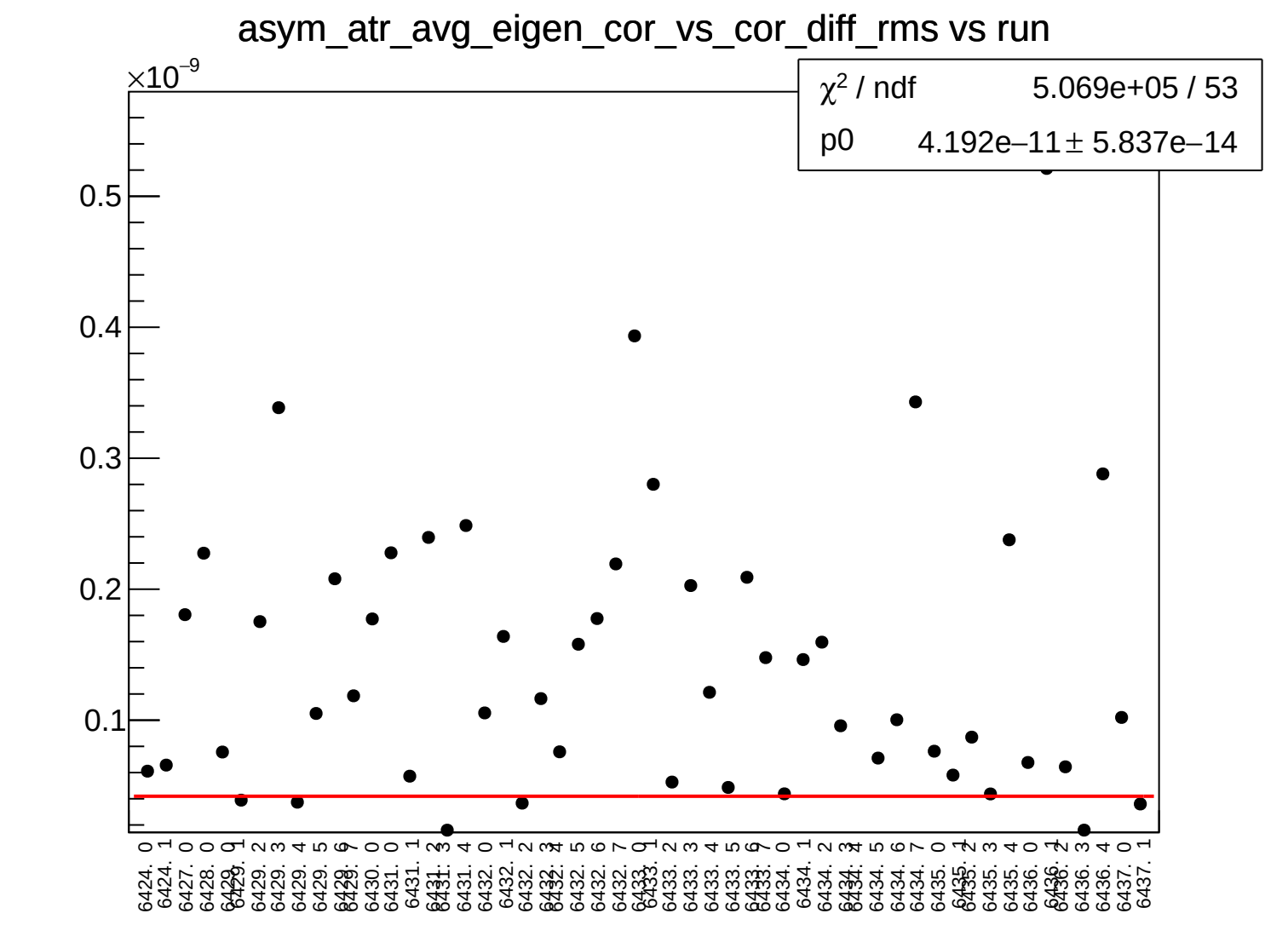

pull1D
Entries 54
Mean −0.004903
Std Dev 1.17

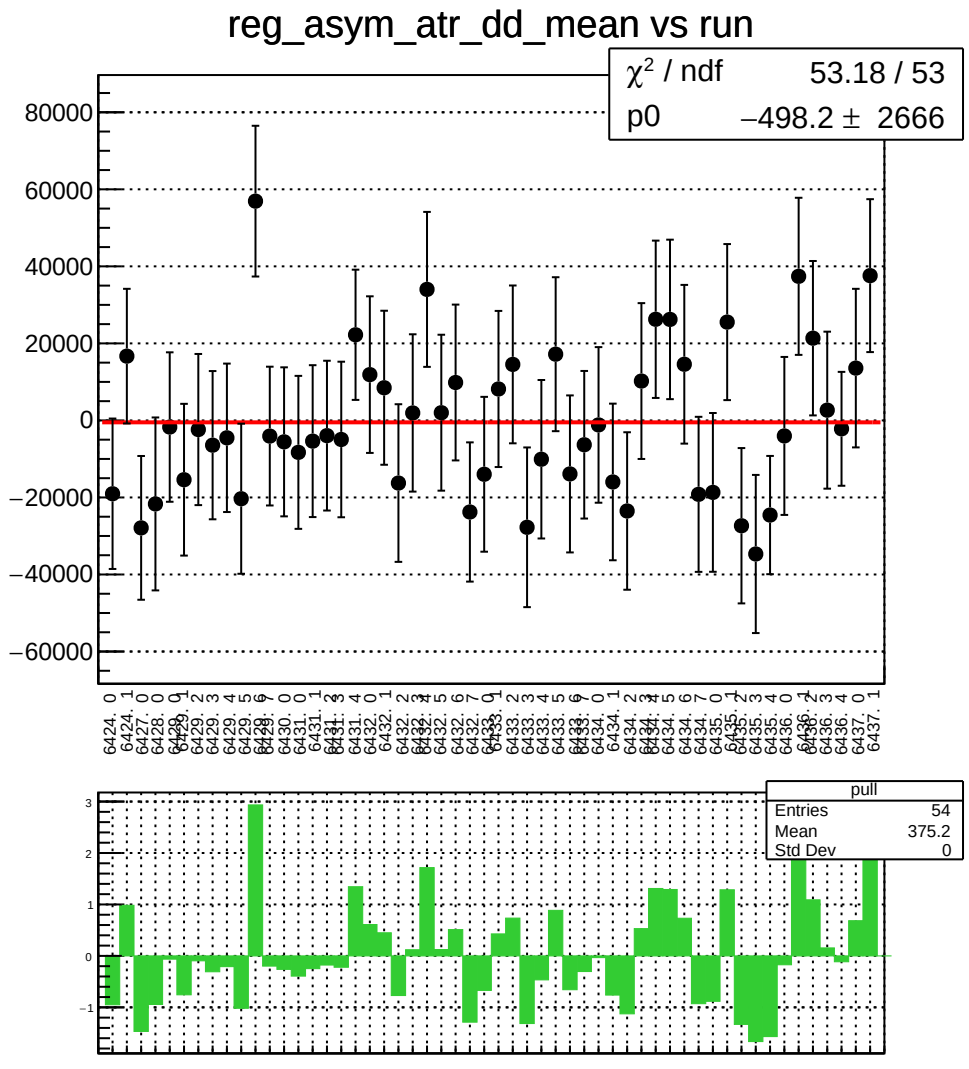

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.93e+04 / 53
p0 241.4 ± 0.2422
600
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

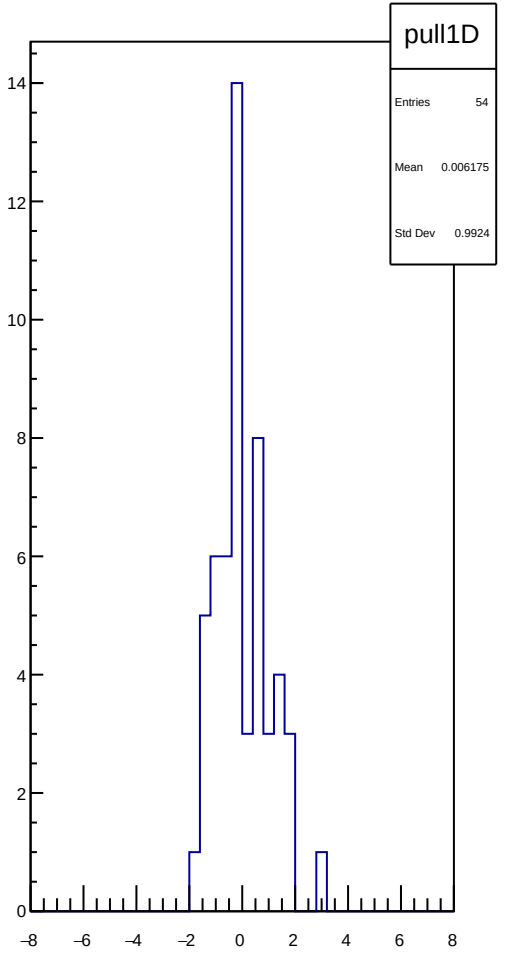

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.95 / 53
p0 −0.5202 ± 0.3425
pull
Entries 54
Mean 894
Std Dev 0
pull1D
Entries 54
Mean −0.004903
Std Dev 1.17

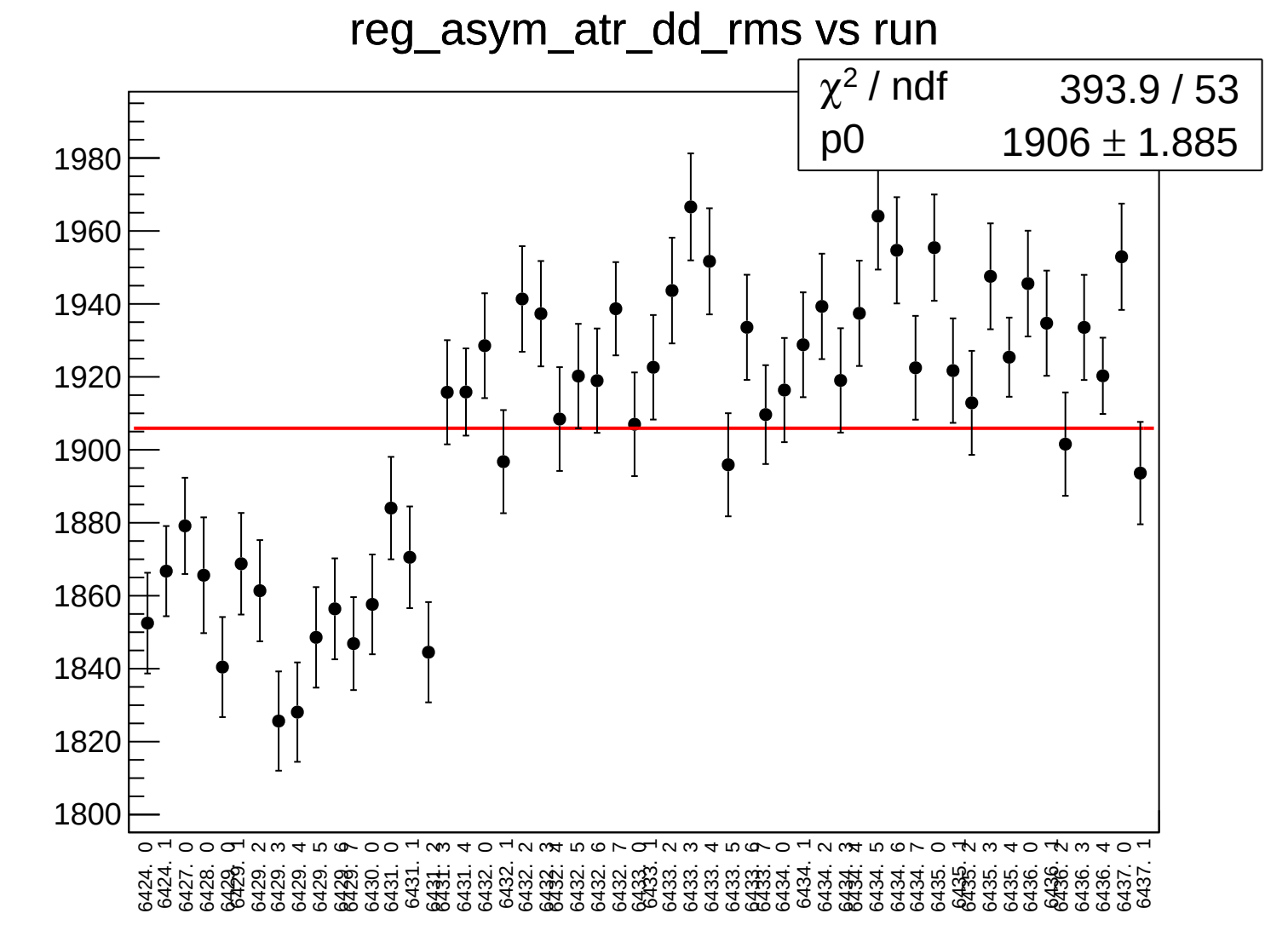

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.93e+04 / 53
p0 241.4 ± 0.2422
600
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

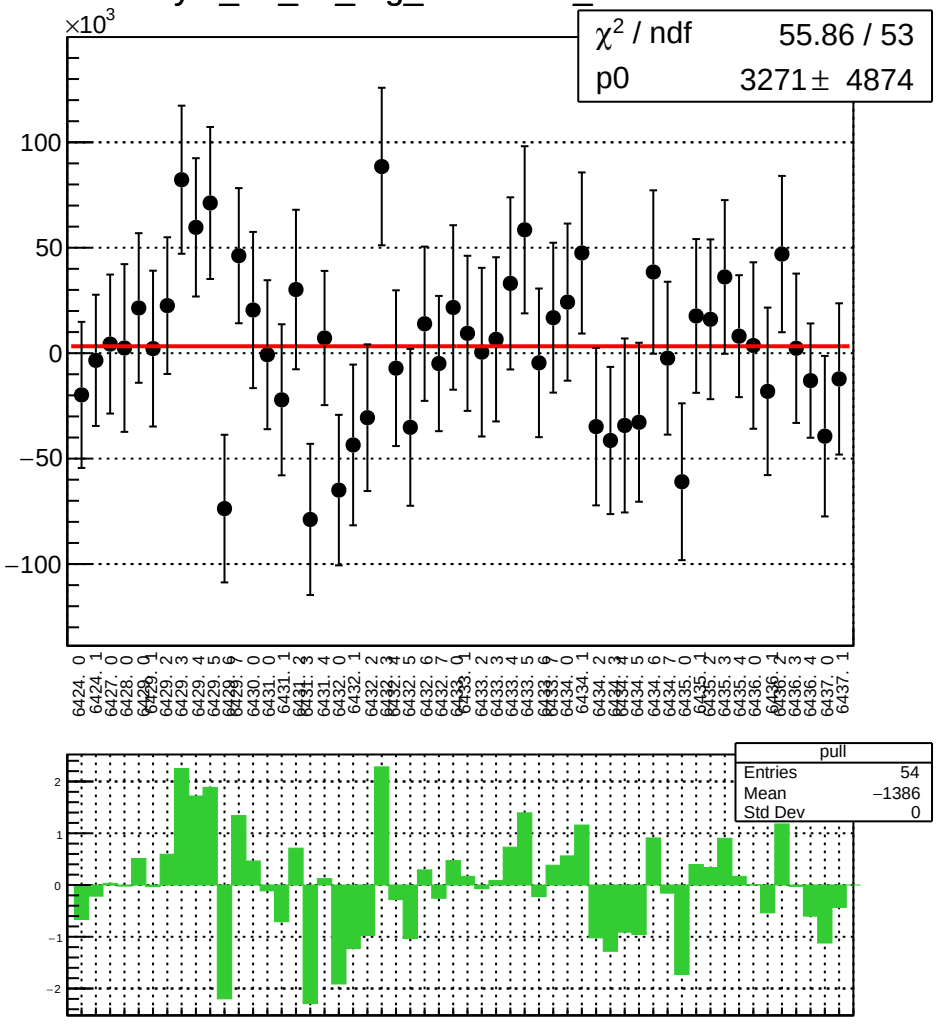

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.44 / 53
p0 9.187e−14 ± 8.255e−14
pull
Entries 54
Mean 21.3
Std Dev 17.13
pull1D
Entries 54
Mean 0.0916
Std Dev 1.08

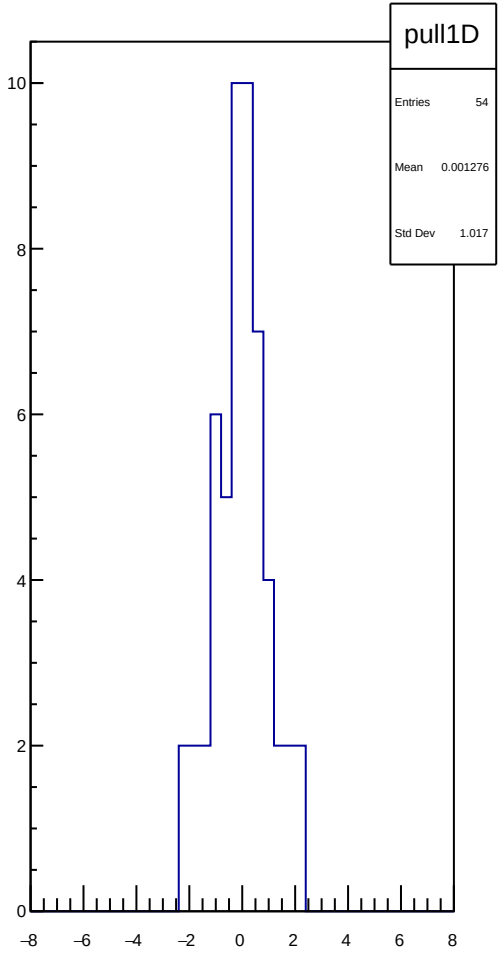

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.069e+05 / 53
p0 4.192e−11 ± 5.837e−14
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

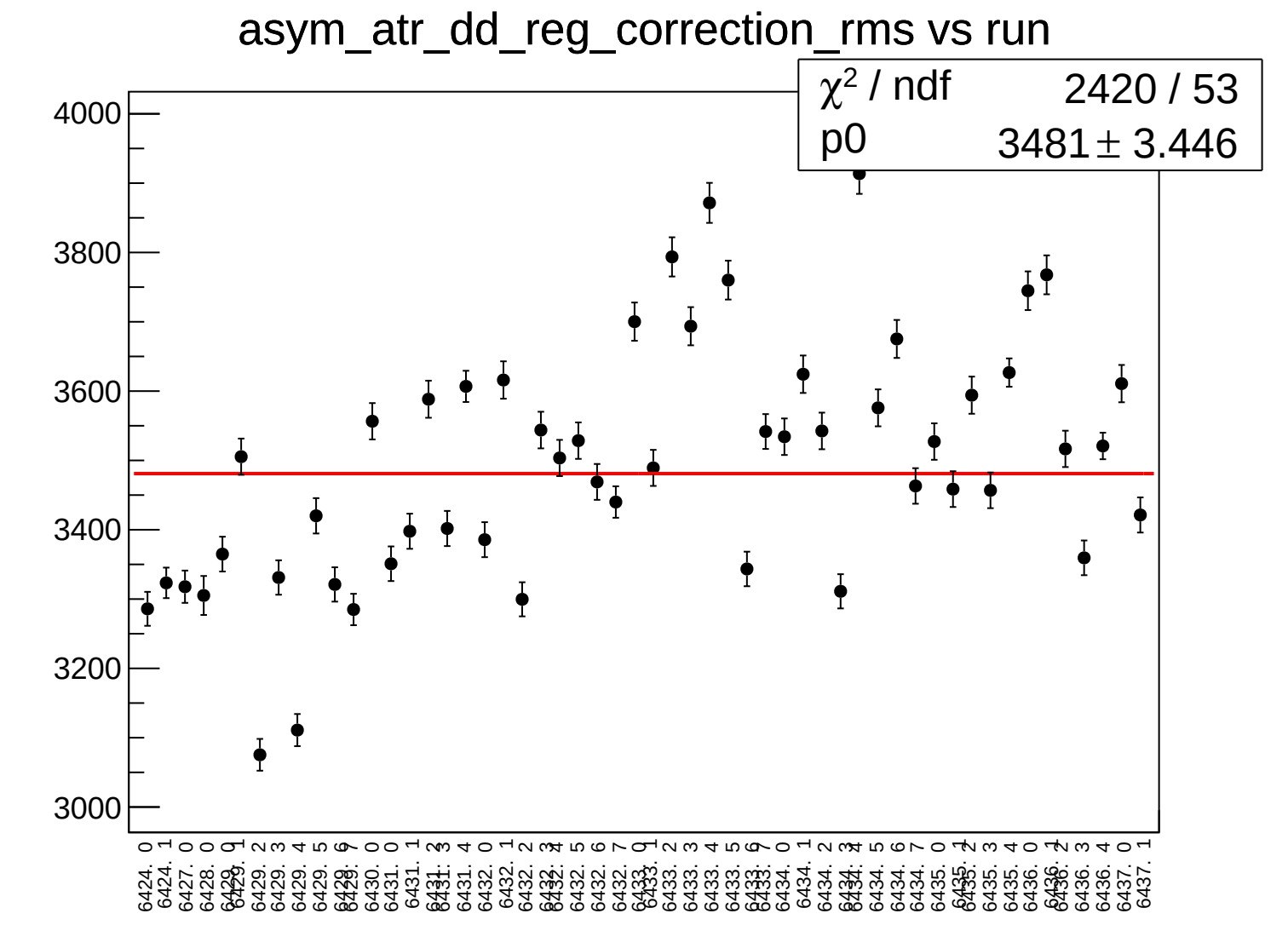

reg_asym_atr_dd_mean vs run
χ² / ndf 53.18 / 53
p0 −498.2 ± 2666
pull
Entries 54
Mean 375.2
Std Dev 0

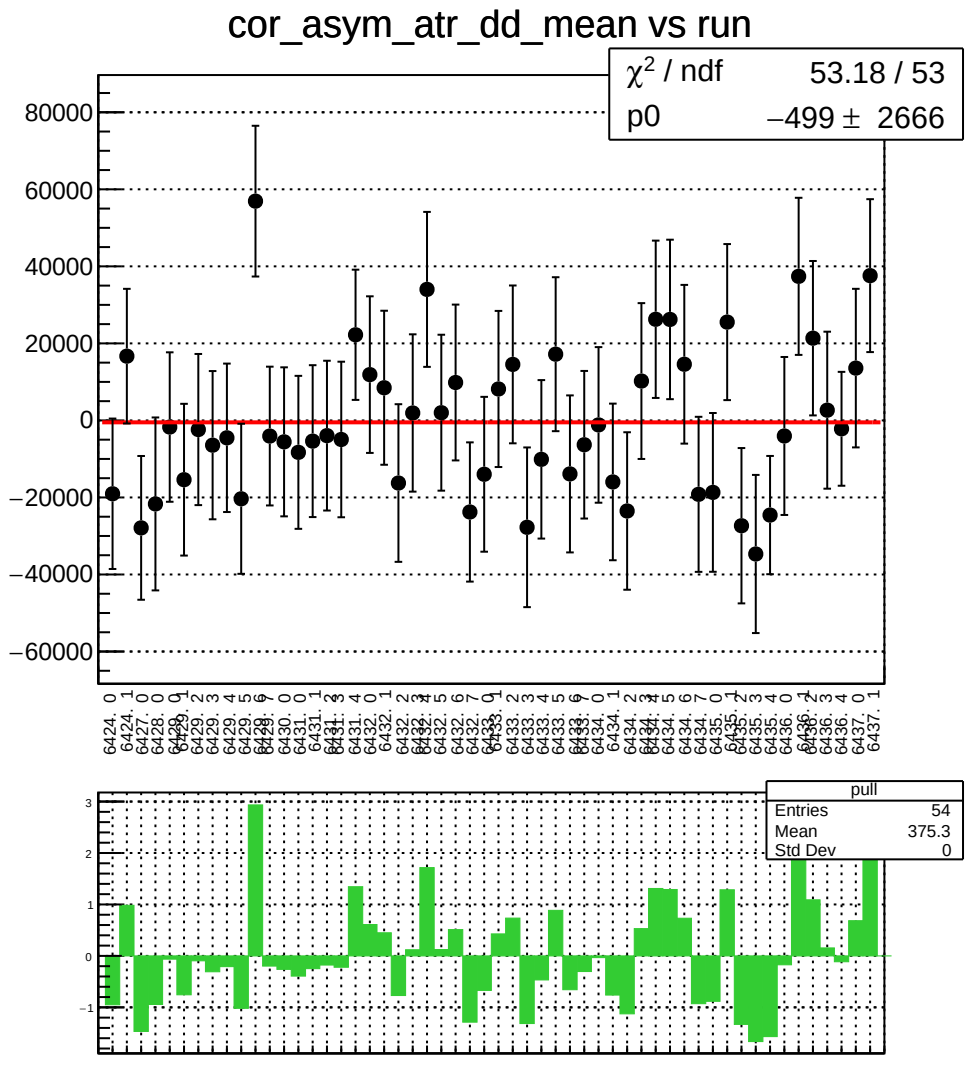

pull1D
Entries 54
Mean 0.006175
Std Dev 0.9924

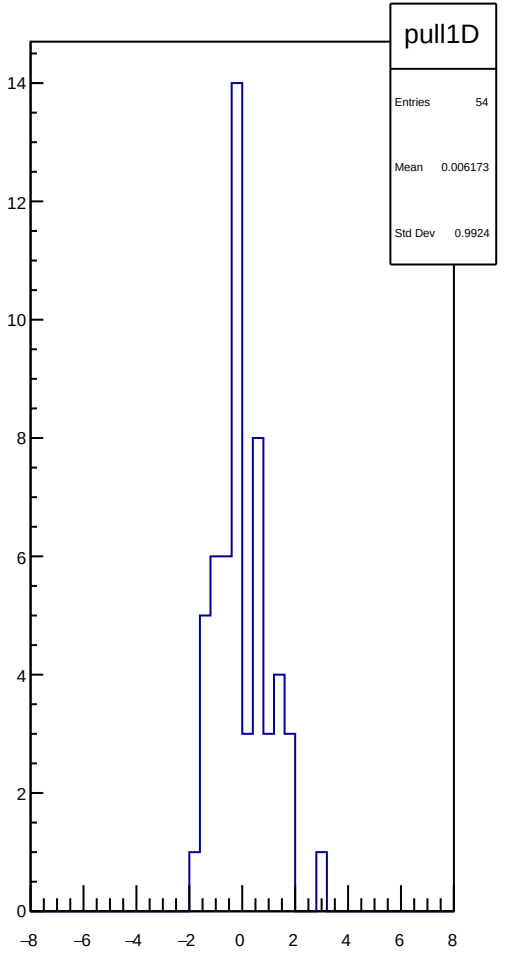

reg_asym_atr_dd_rms vs run
χ^2 / ndf 393.9 / 53
p0 1906 ± 1.885
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

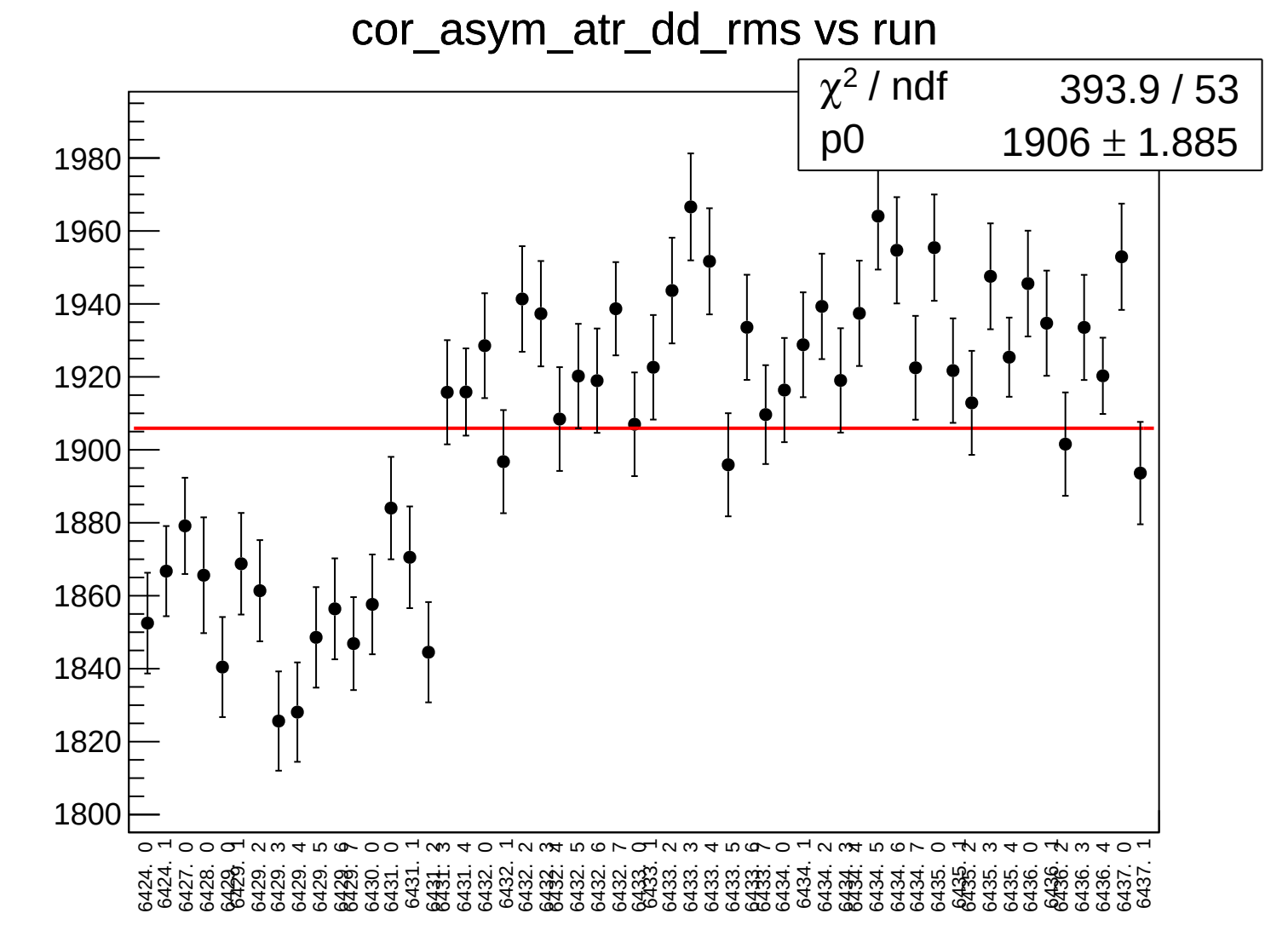

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.86 / 53
p0 3271 ± 4874
100
50
0
−50
−100
pull
Entries 54
Mean −1386
Std Dev 0
2
1
0
−1
−2

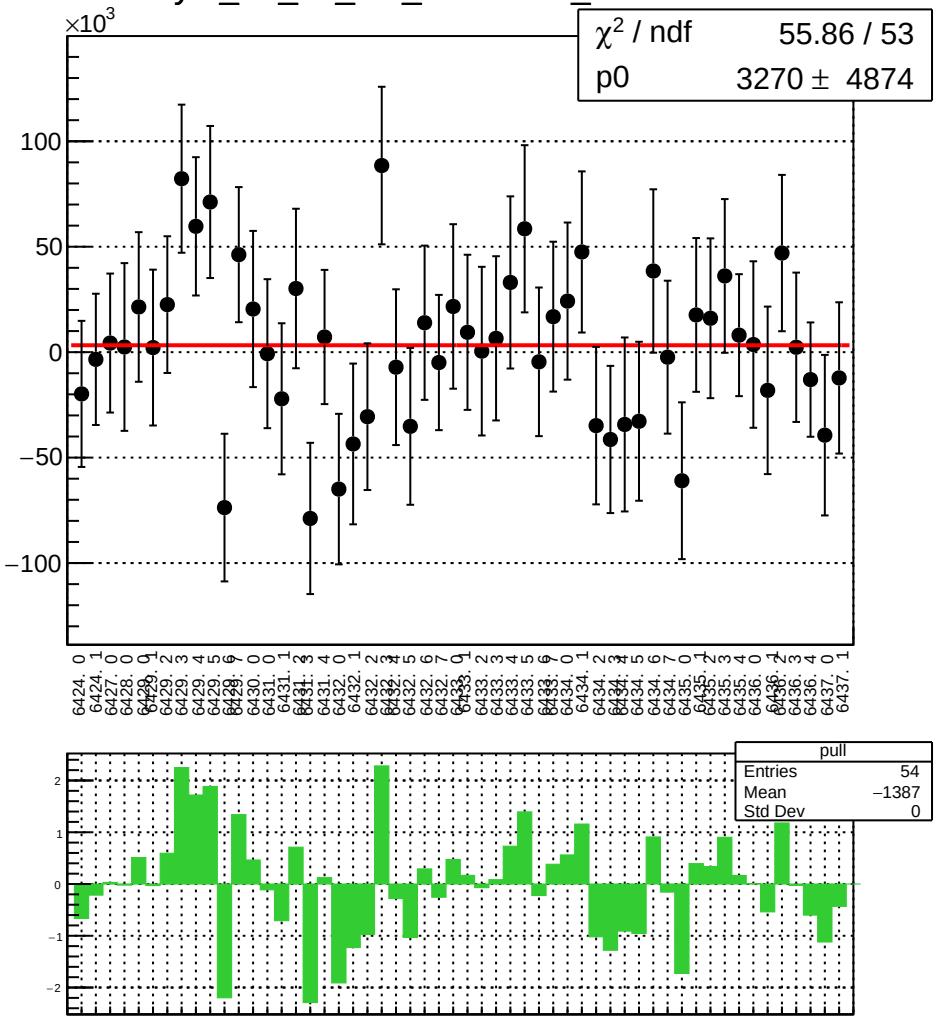

pull1D
Entries 54
Mean 0.001276
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

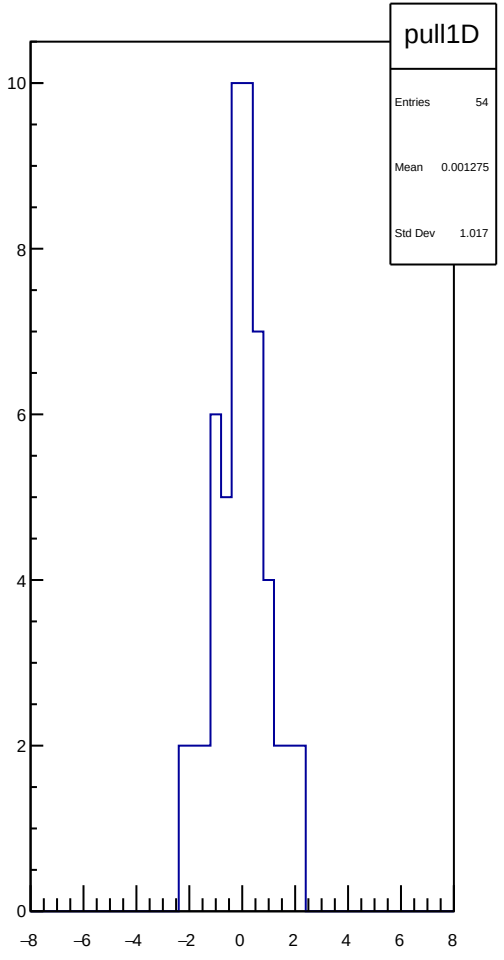

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2420 / 53
p0 3481 ± 3.446
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

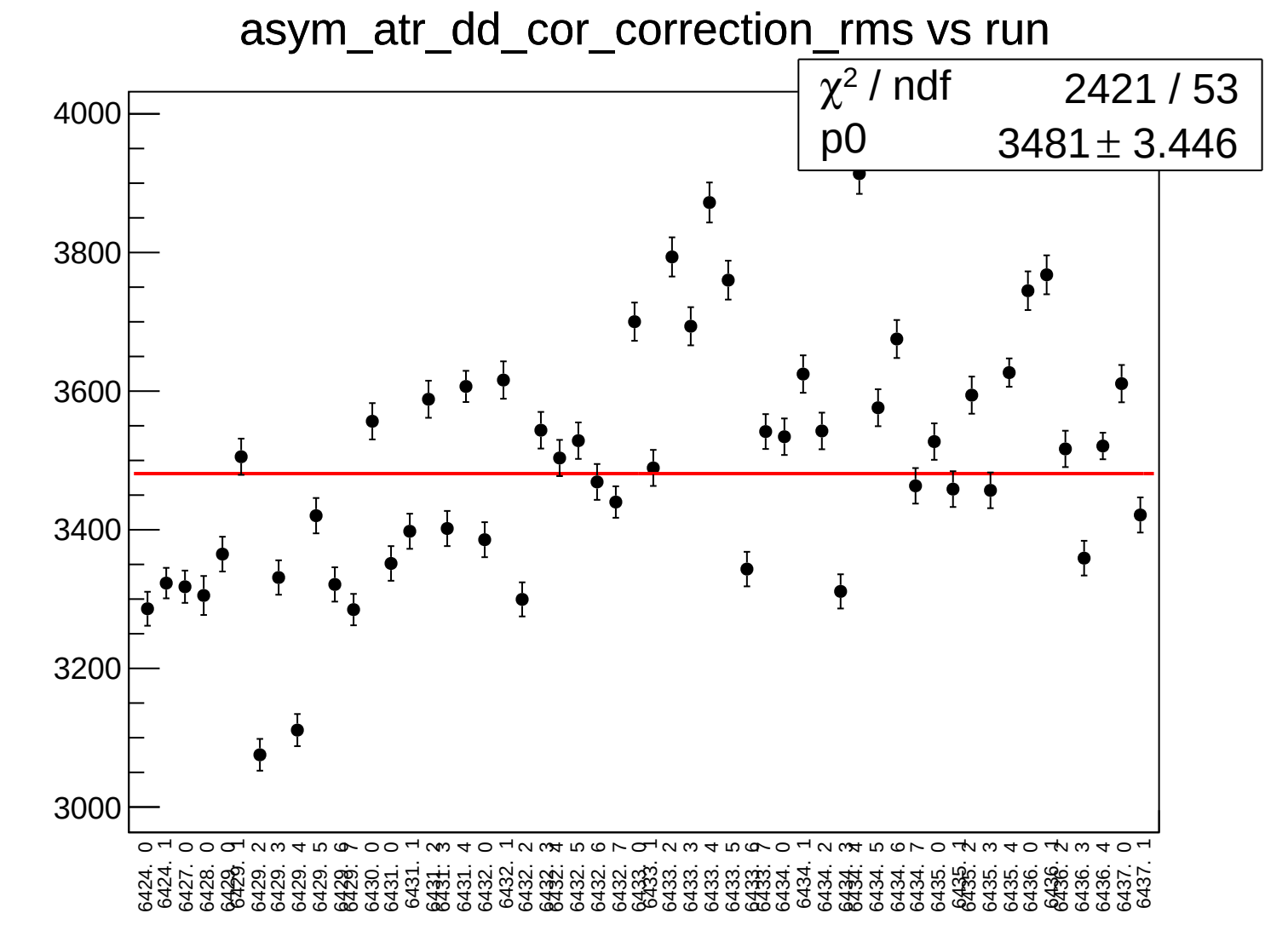

cor_asym_atr_dd_mean vs run
χ² / ndf 53.18 / 53
p0 −499 ± 2666
pull
Entries 54
Mean 375.3
Std Dev 0

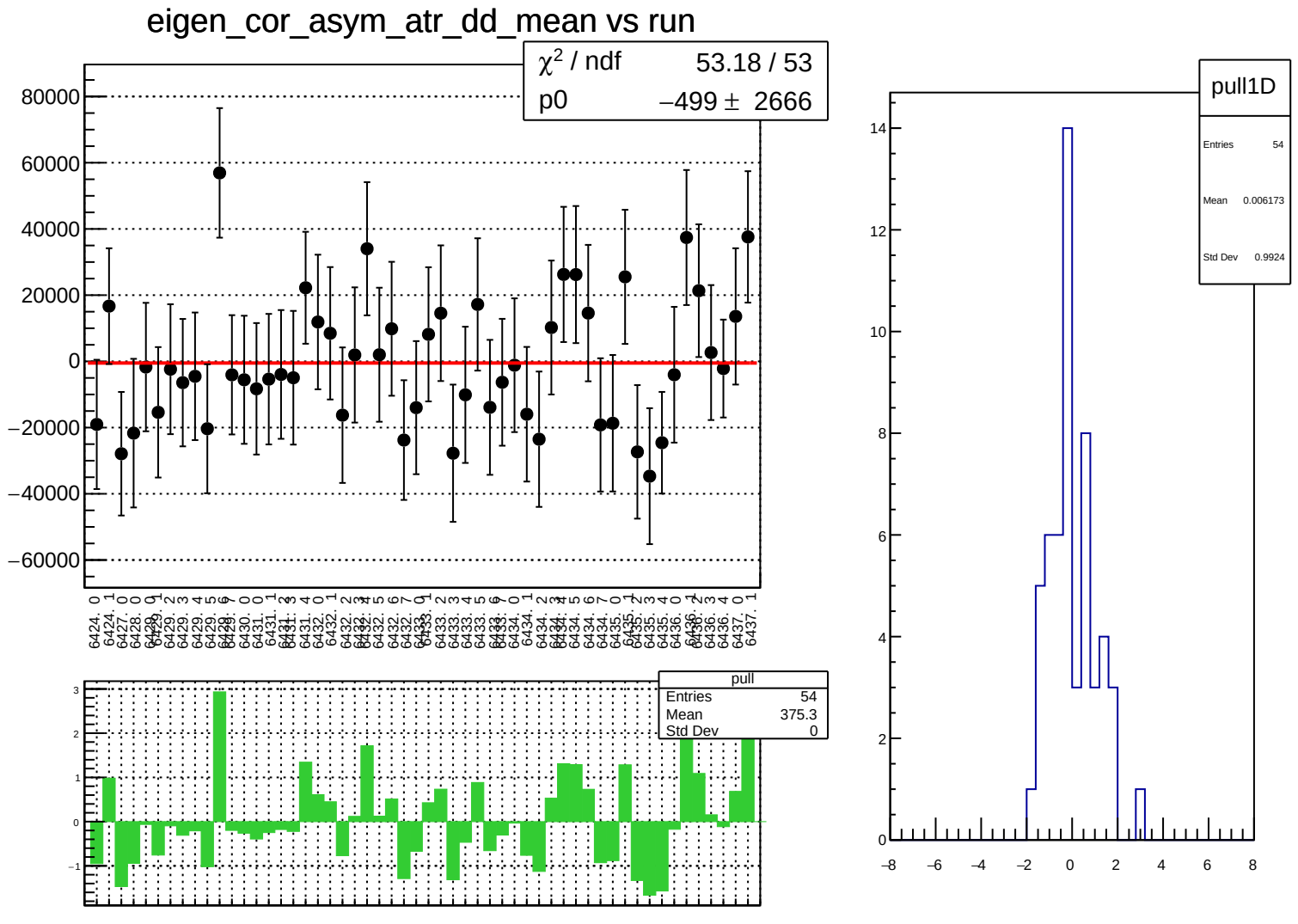

pull1D
Entries 54
Mean 0.006173
Std Dev 0.9924

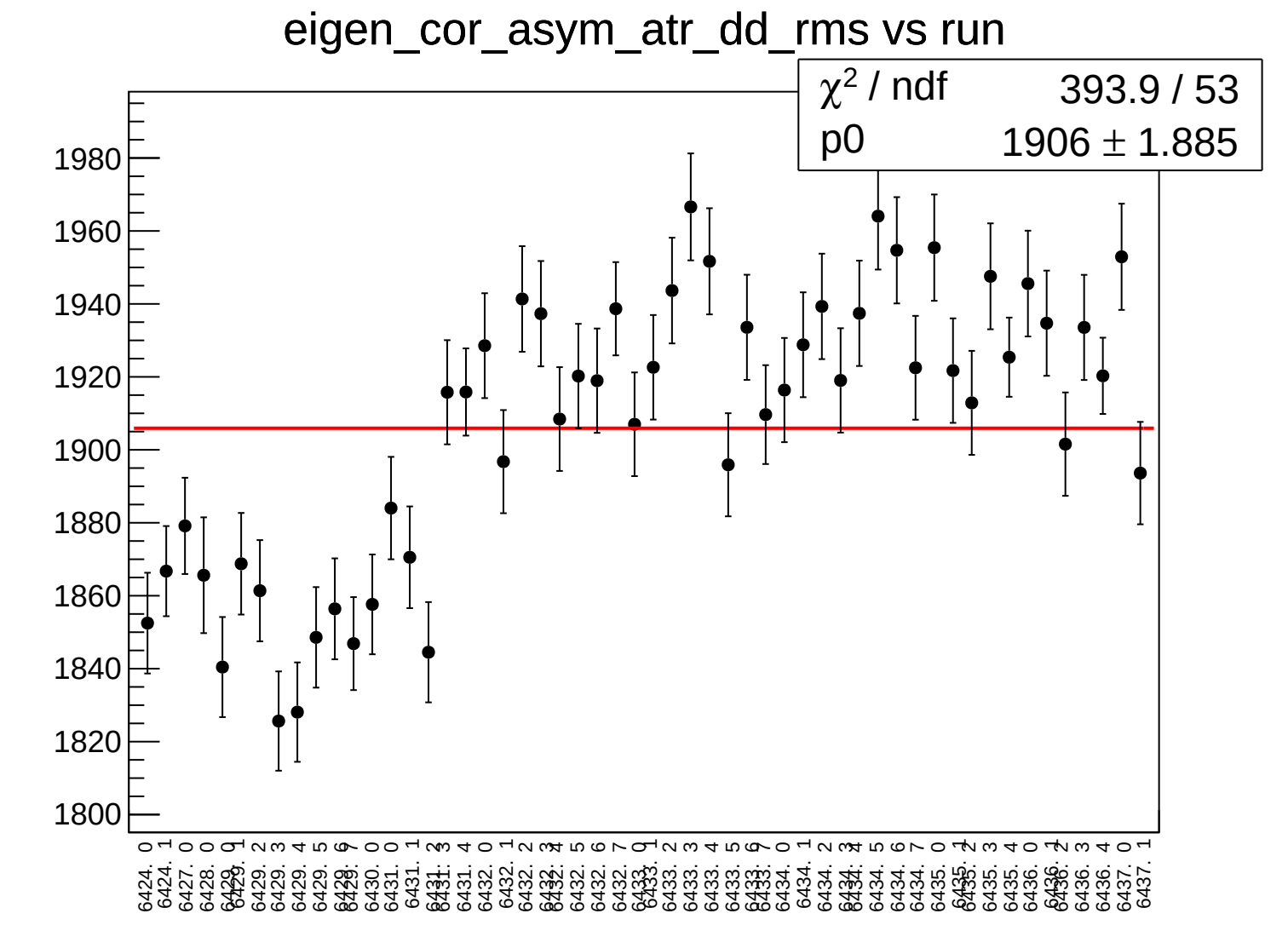

cor_asym_atr_dd_rms vs run
χ² / ndf 393.9 / 53
p0 1906 ± 1.885
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

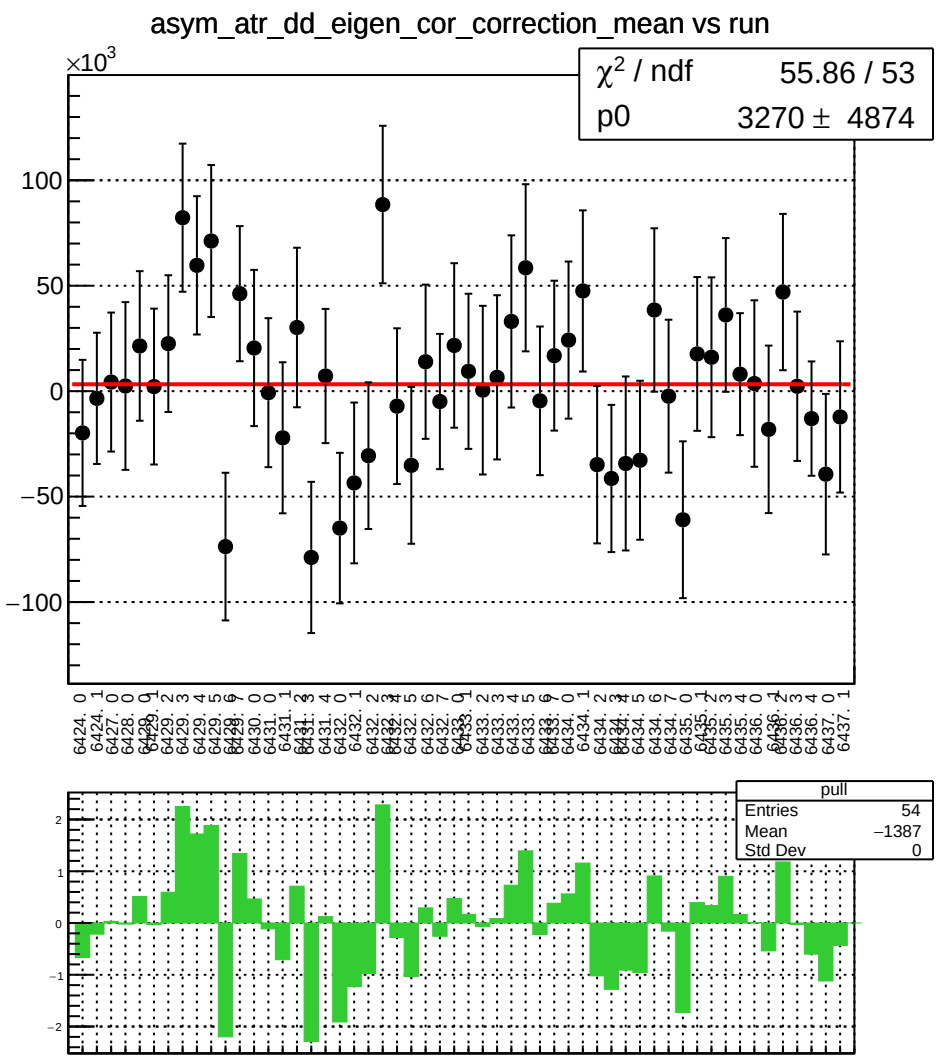

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 55.86 / 53
p0 3270 ± 4874
100
50
0
−50
−100
pull
Entries 54
Mean −1387
Std Dev 0
2
1
0
−1
−2

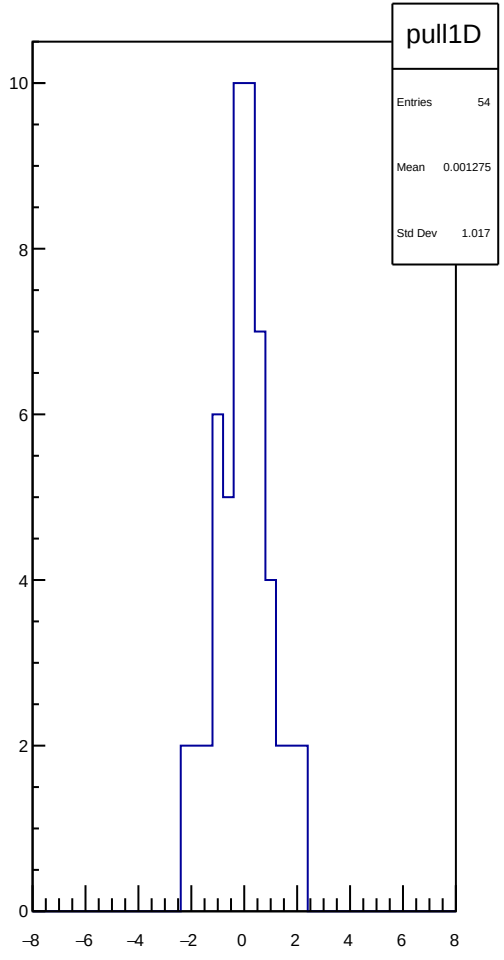

pull1D
Entries 54
Mean 0.001275
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

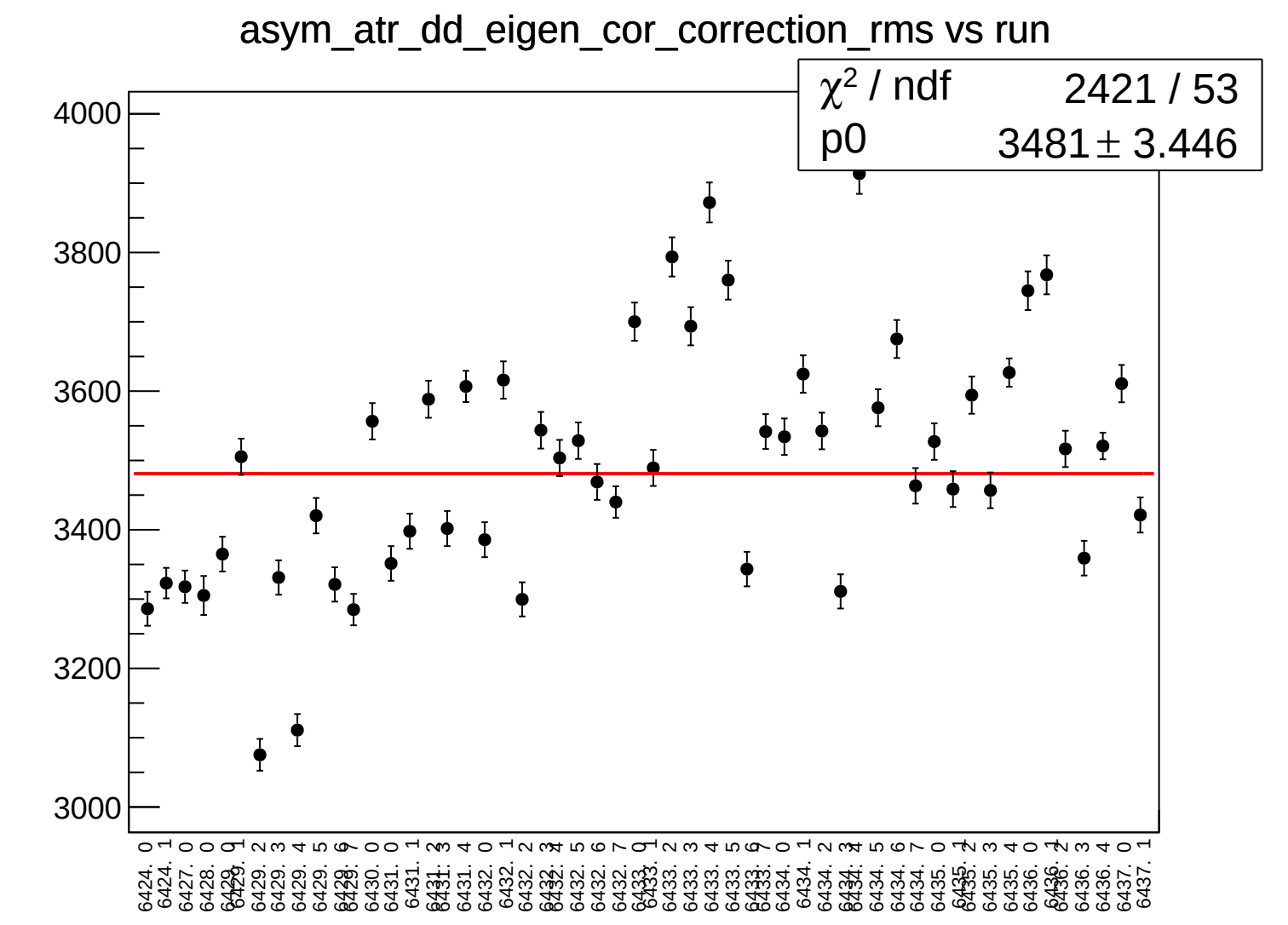

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2421 / 53
p0 3481 ± 3.446
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

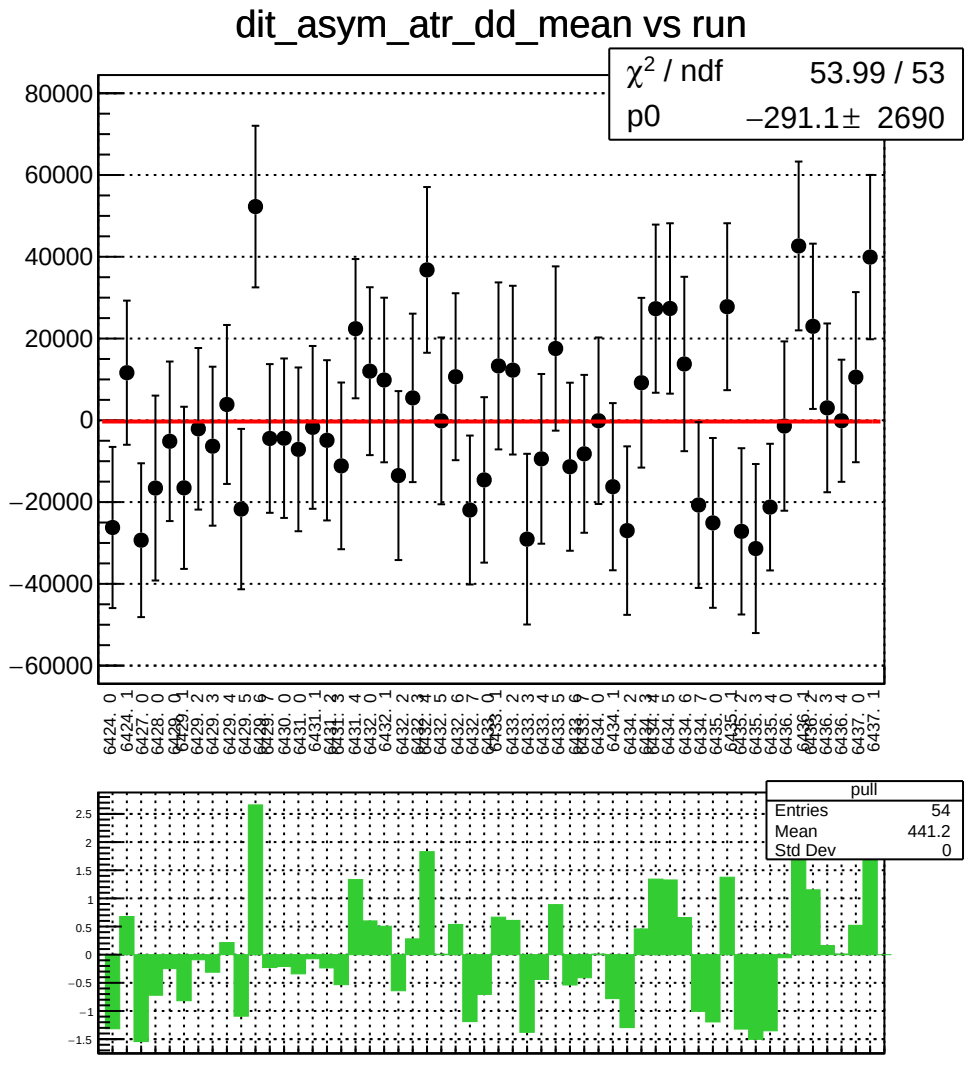

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 53.18 / 53
p0 −499 ± 2666
pull
Entries 54
Mean 375.3
Std Dev 0
pull1D
Entries 54
Mean 0.006173
Std Dev 0.9924

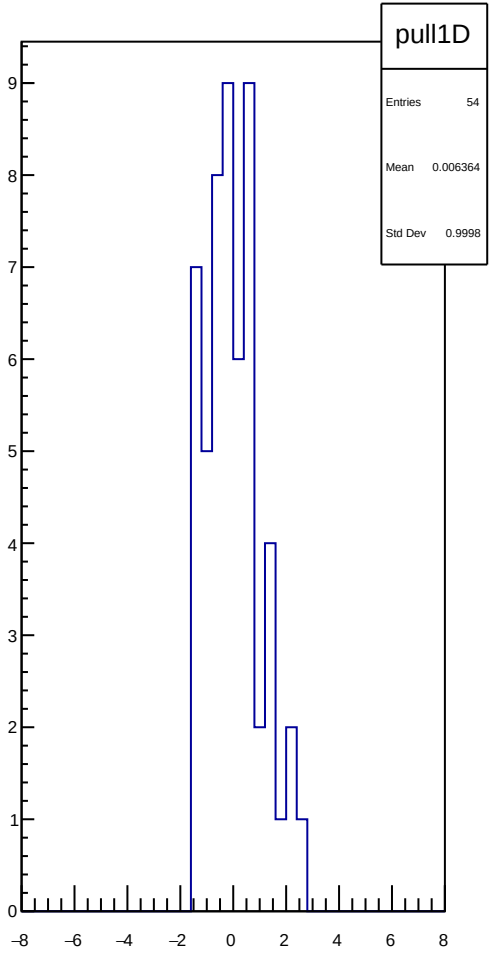

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 393.9 / 53
p0 1906 ± 1.885
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

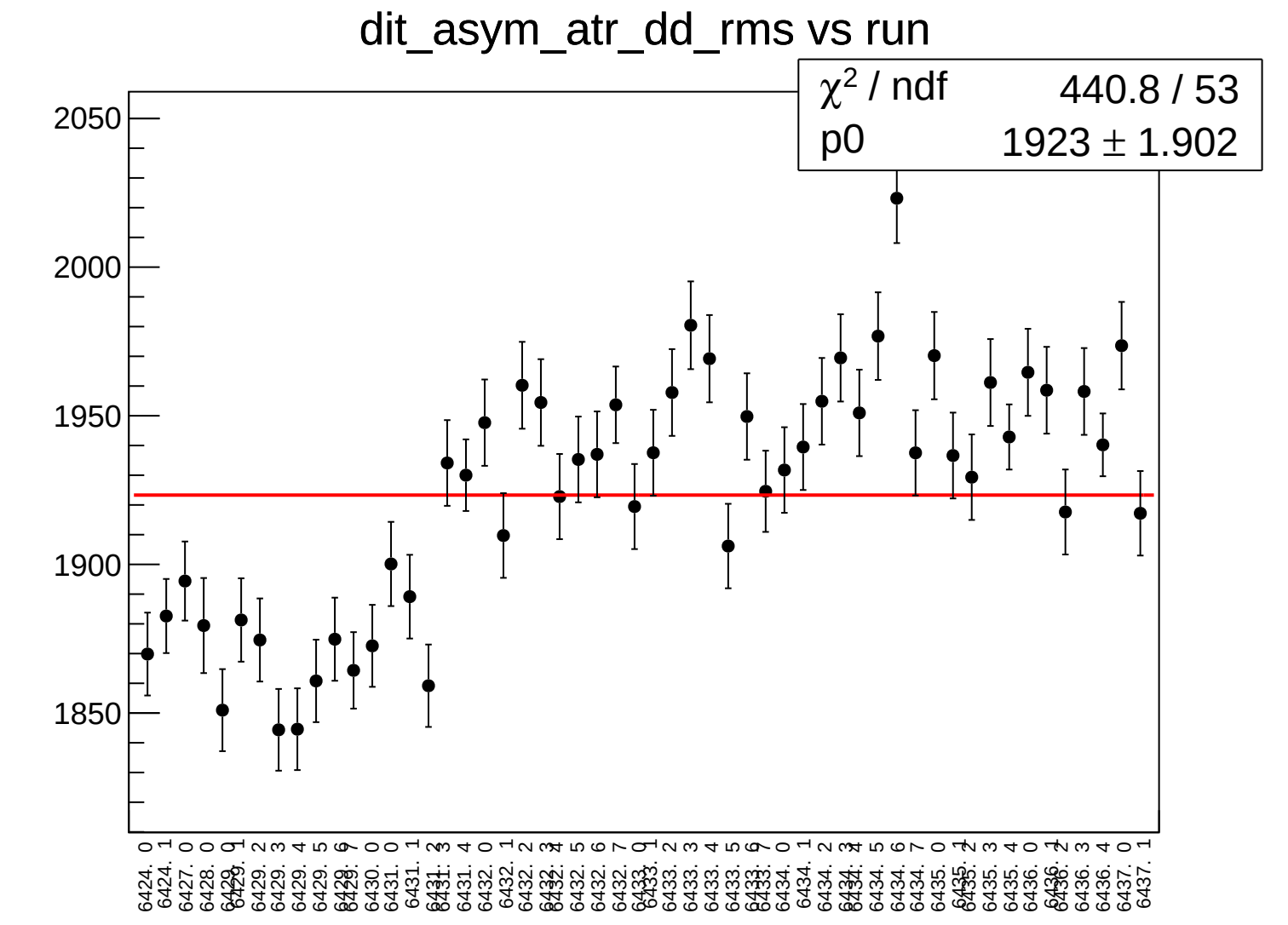

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.86 / 53
p0 3270 ± 4874
100
50
0
−50
−100
pull
Entries 54
Mean −1387
Std Dev 0
2
1
0
−1
−2

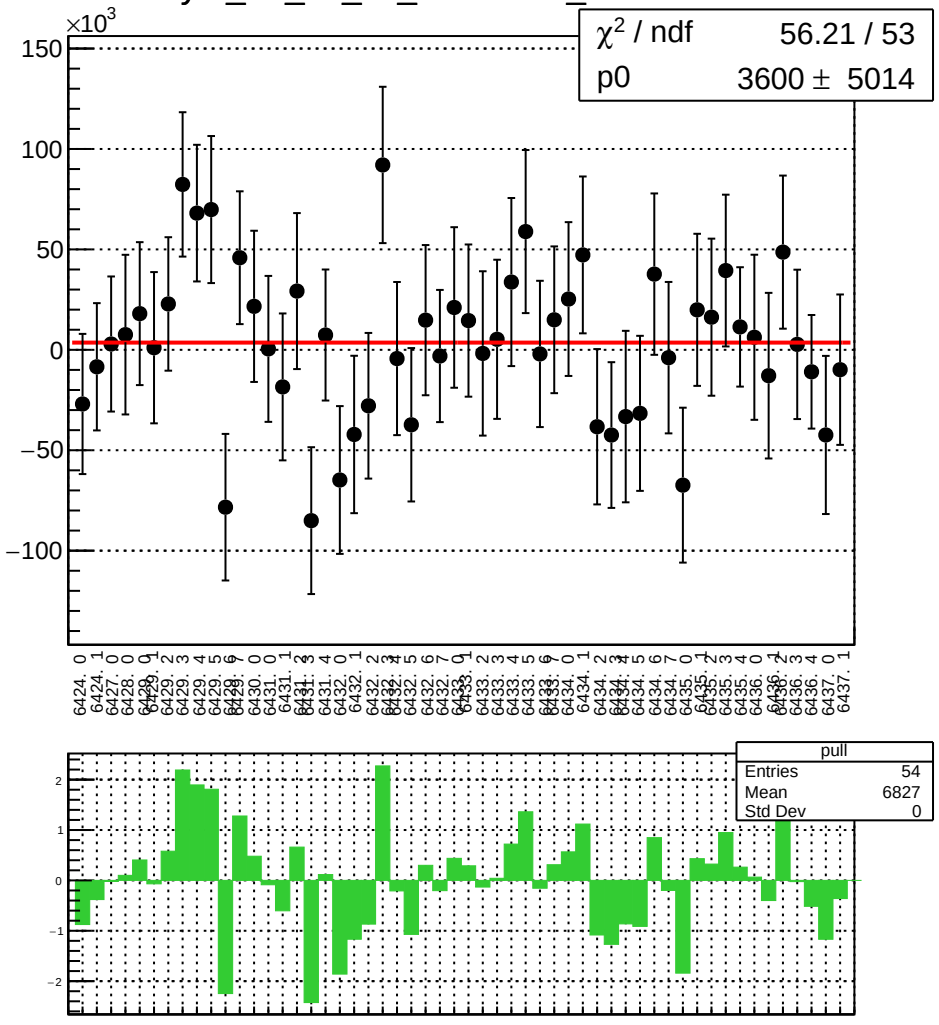

pull1D
Entries 54
Mean 0.001275
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

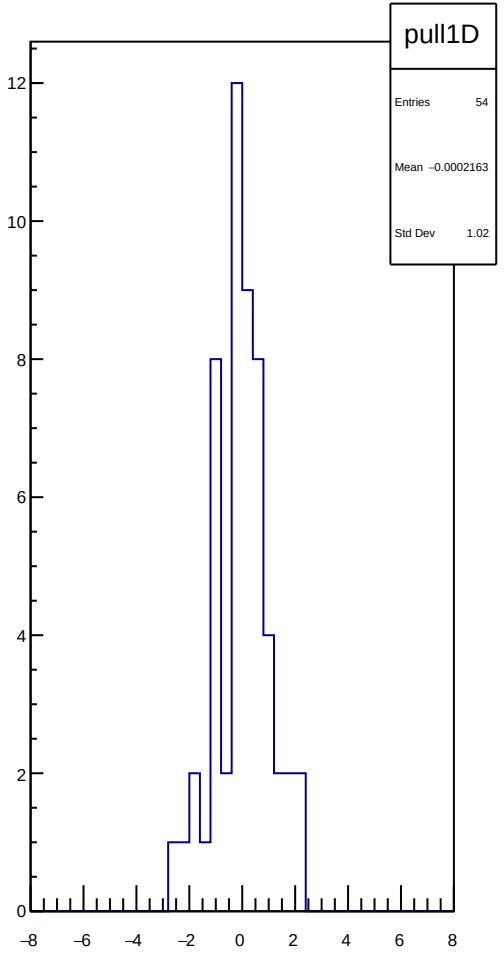

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2421 / 53
p0 3481 ± 3.446
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

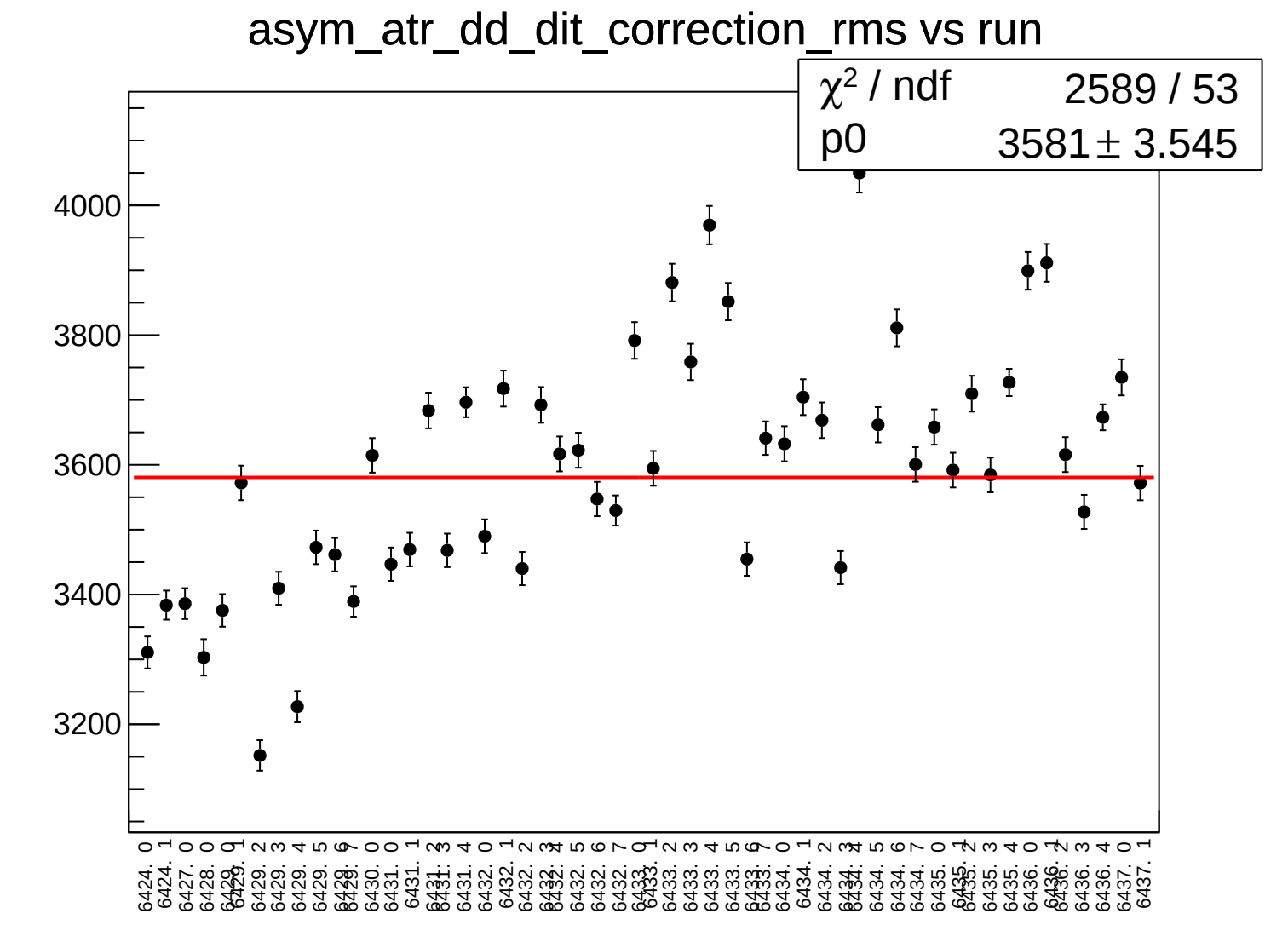

dit_asym_atr_dd_mean vs run
χ² / ndf 53.99 / 53
p0 −291.1± 2690
pull
Entries 54
Mean 441.2
Std Dev 0

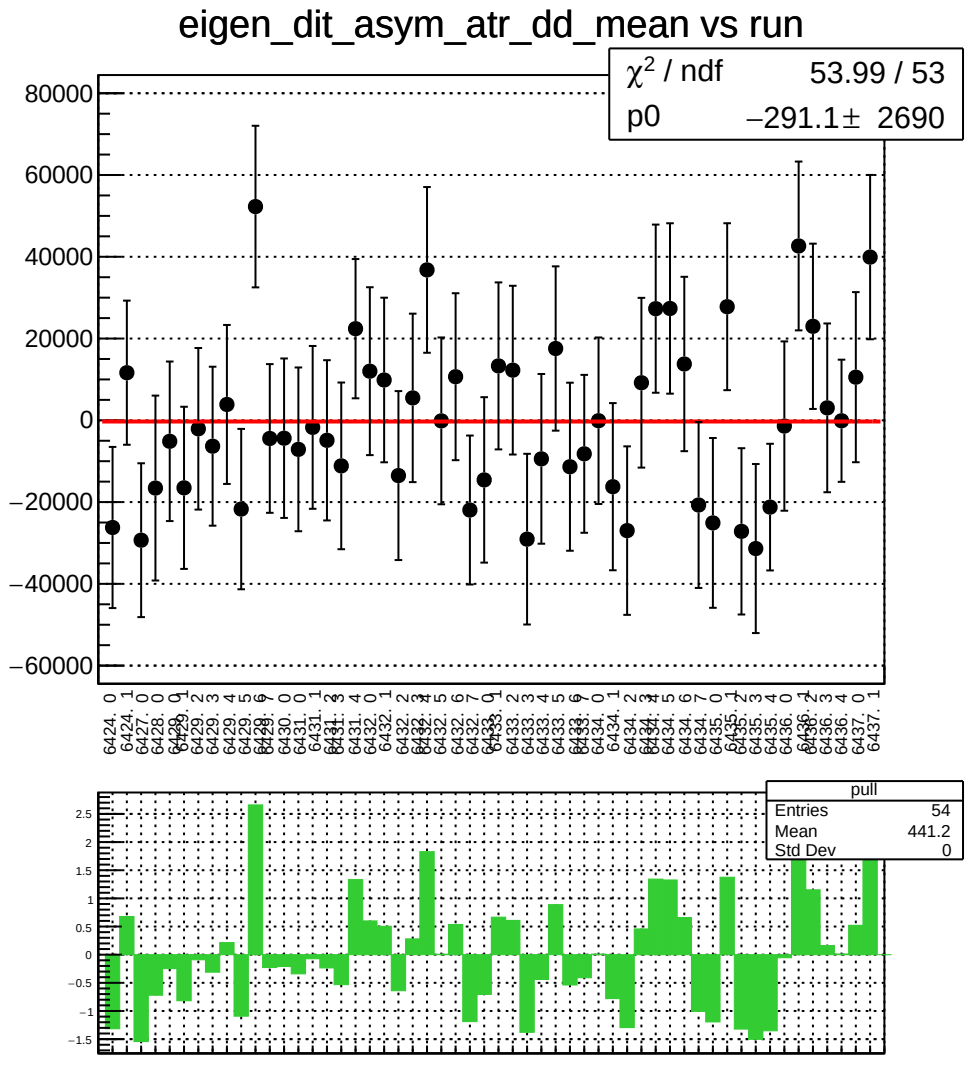

pull1D
Entries 54
Mean 0.006364
Std Dev 0.9998

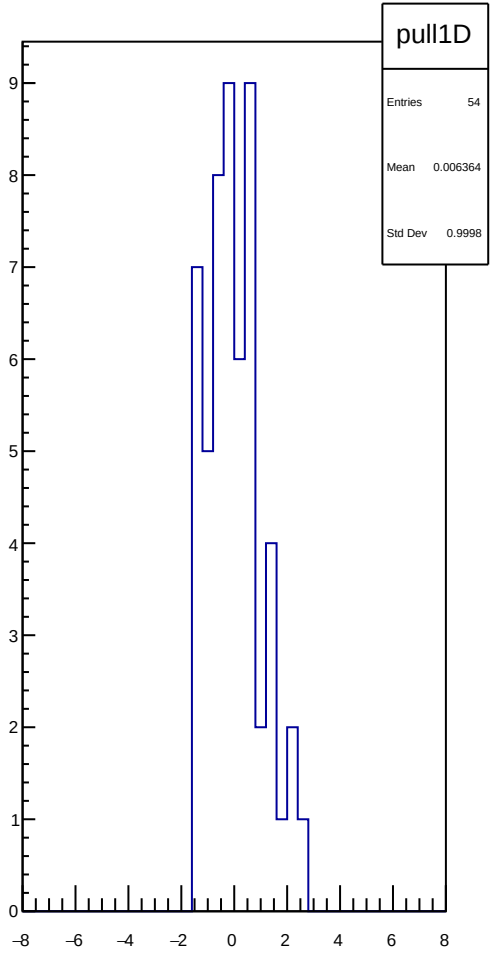

dit_asym_atr_dd_rms vs run
χ² / ndf 440.8 / 53
p0 1923 ± 1.902
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

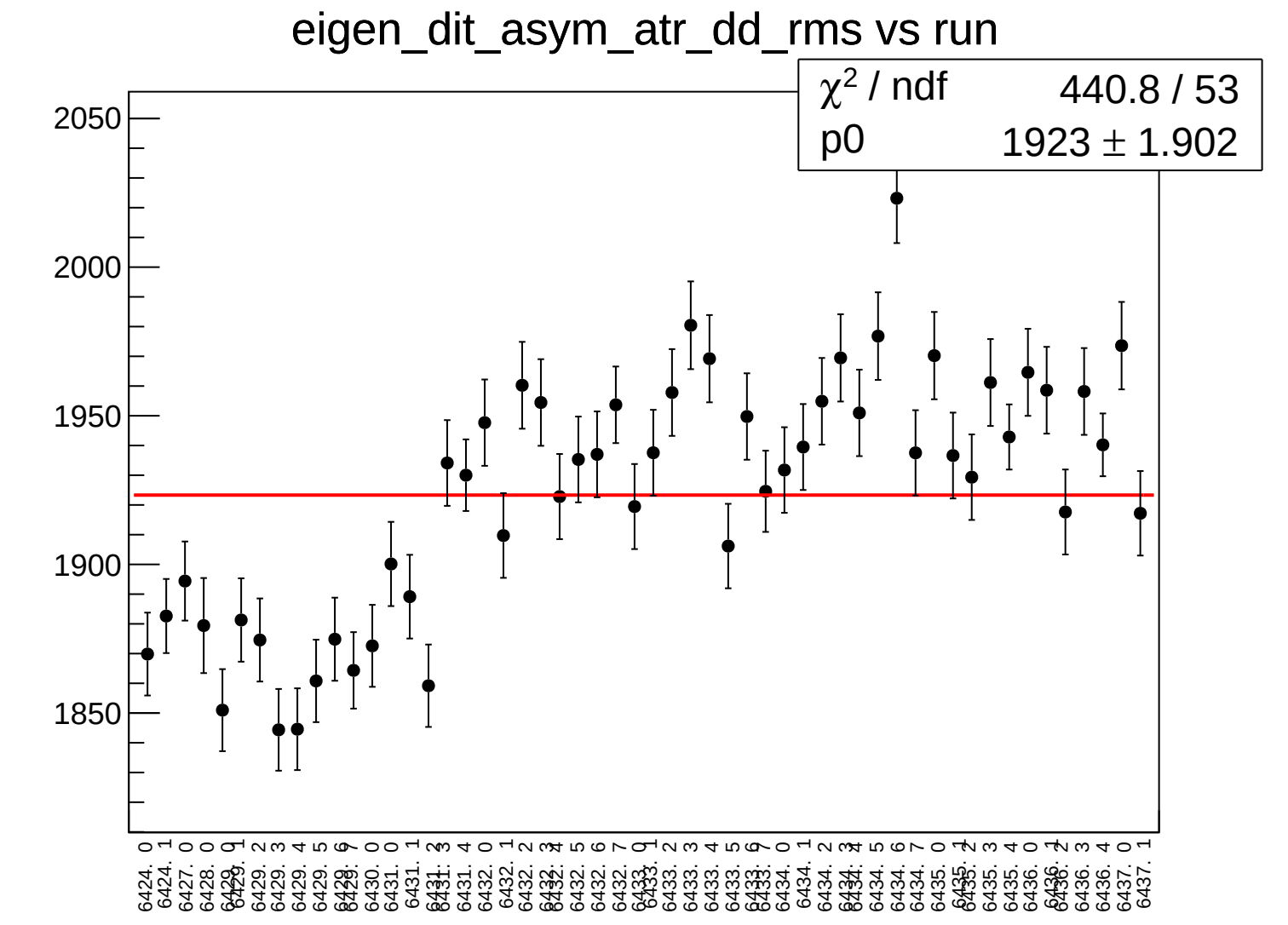

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.21 / 53
p0 3600 ± 5014
150
100
50
0
−50
−100
pull
Entries 54
Mean 6827
Std Dev 0
2
1
0
−1
−2

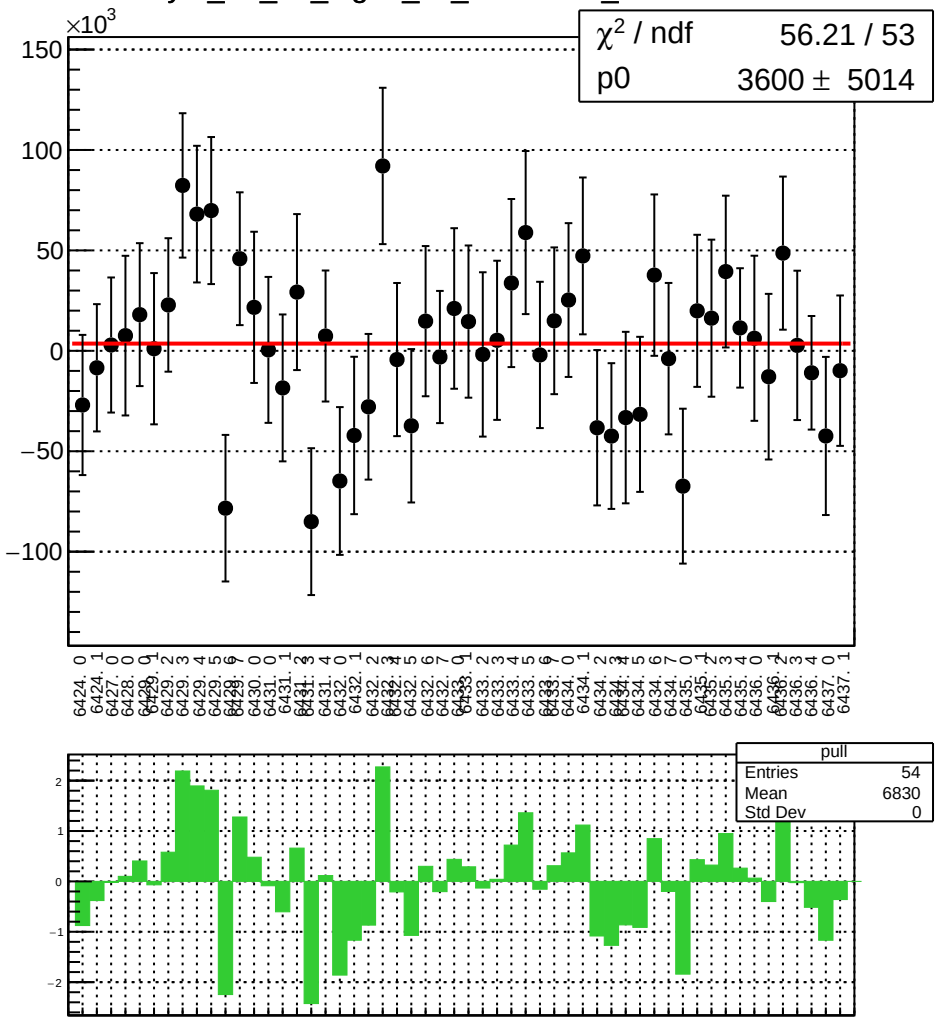

pull1D
Entries 54
Mean −0.0002163
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

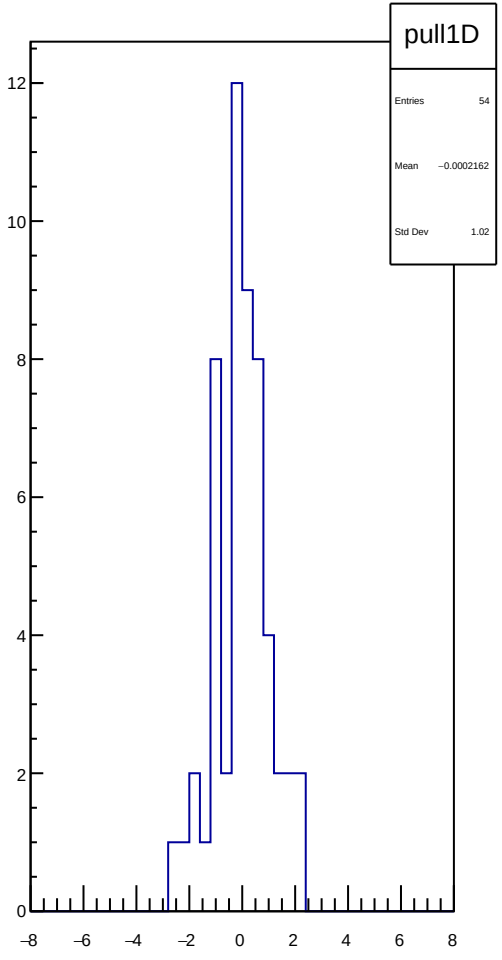

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 2589 / 53
p0 3581 ± 3.545
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

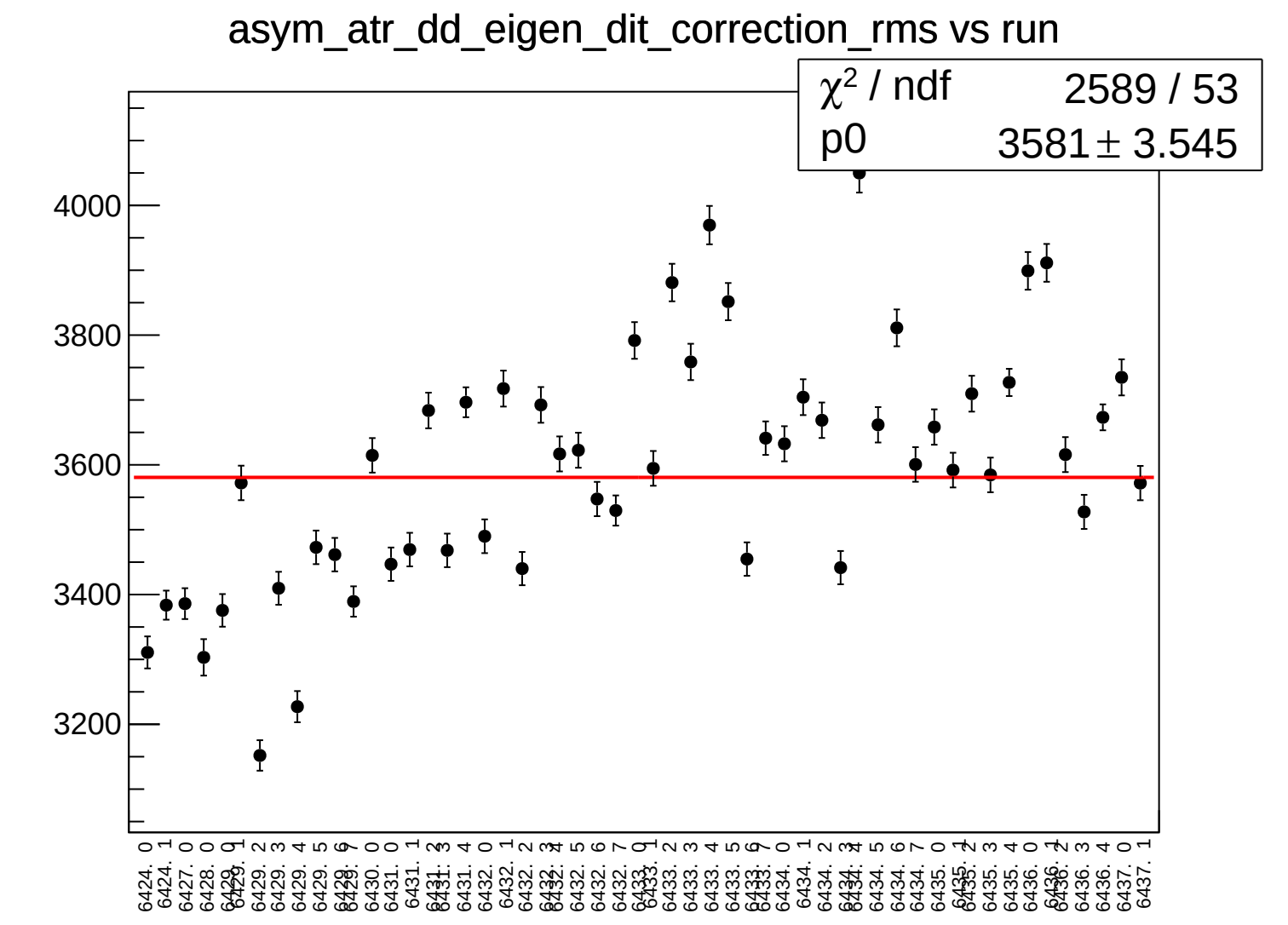

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 53.99 / 53
p0 −291.1± 2690
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 441.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.006364
Std Dev 0.9998
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 440.8 / 53
p0 1923 ± 1.902
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.21 / 53
p0 3600 ± 5014
150
100
50
0
−50
−100
pull
Entries 54
Mean 6830
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.0002162
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 2589 / 53
p0 3581 ± 3.545
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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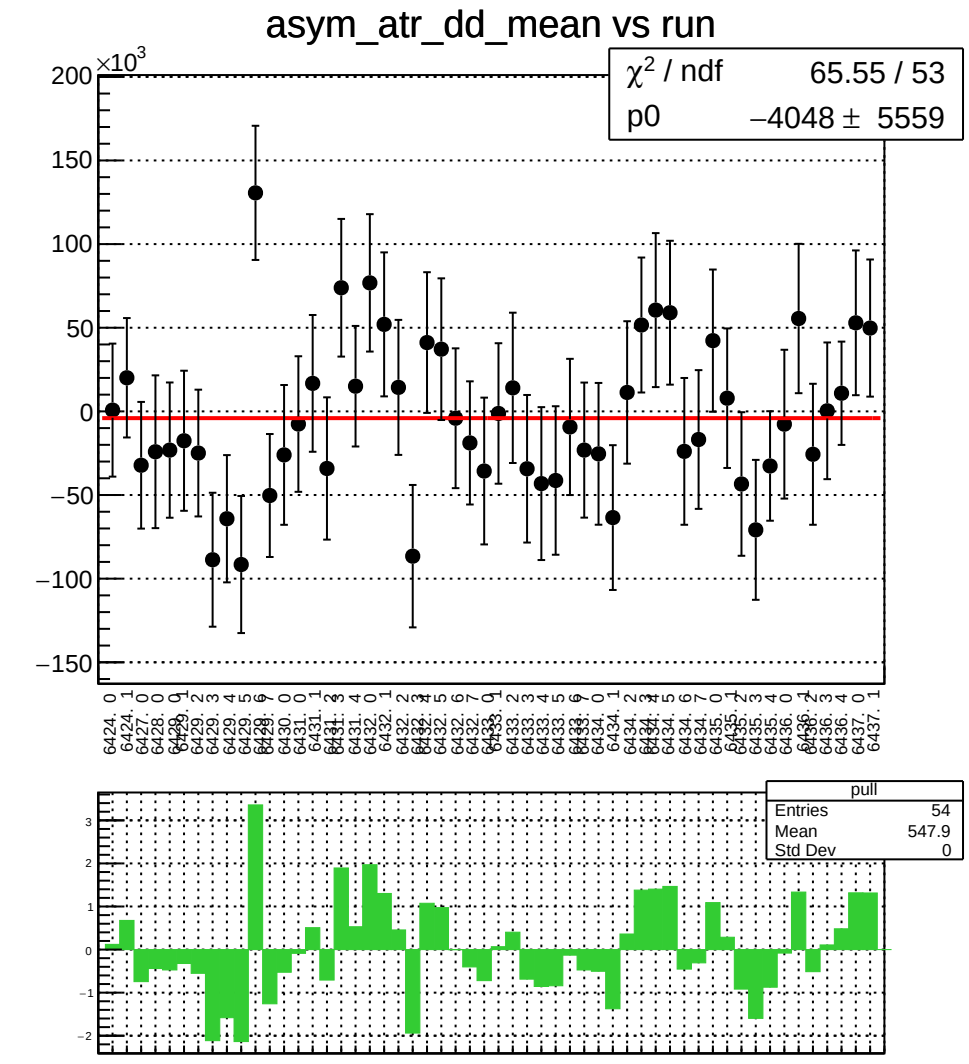
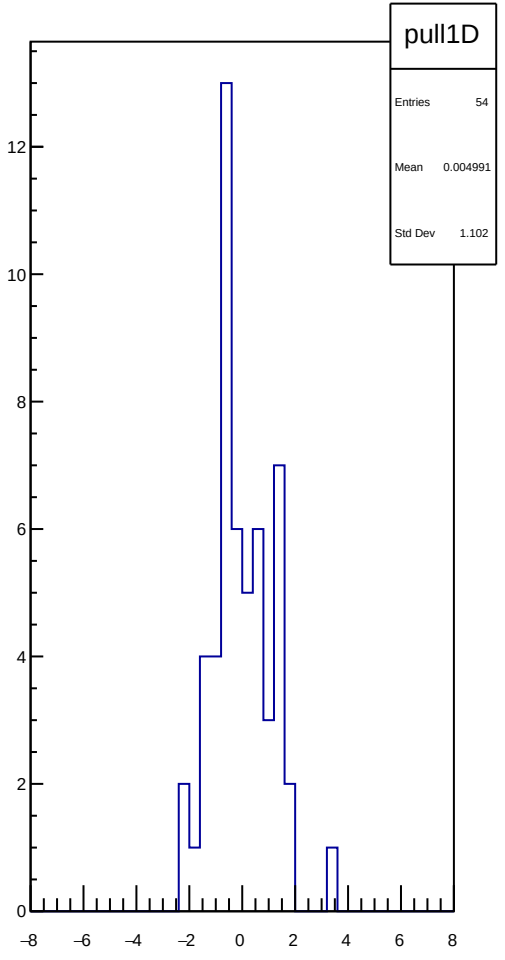
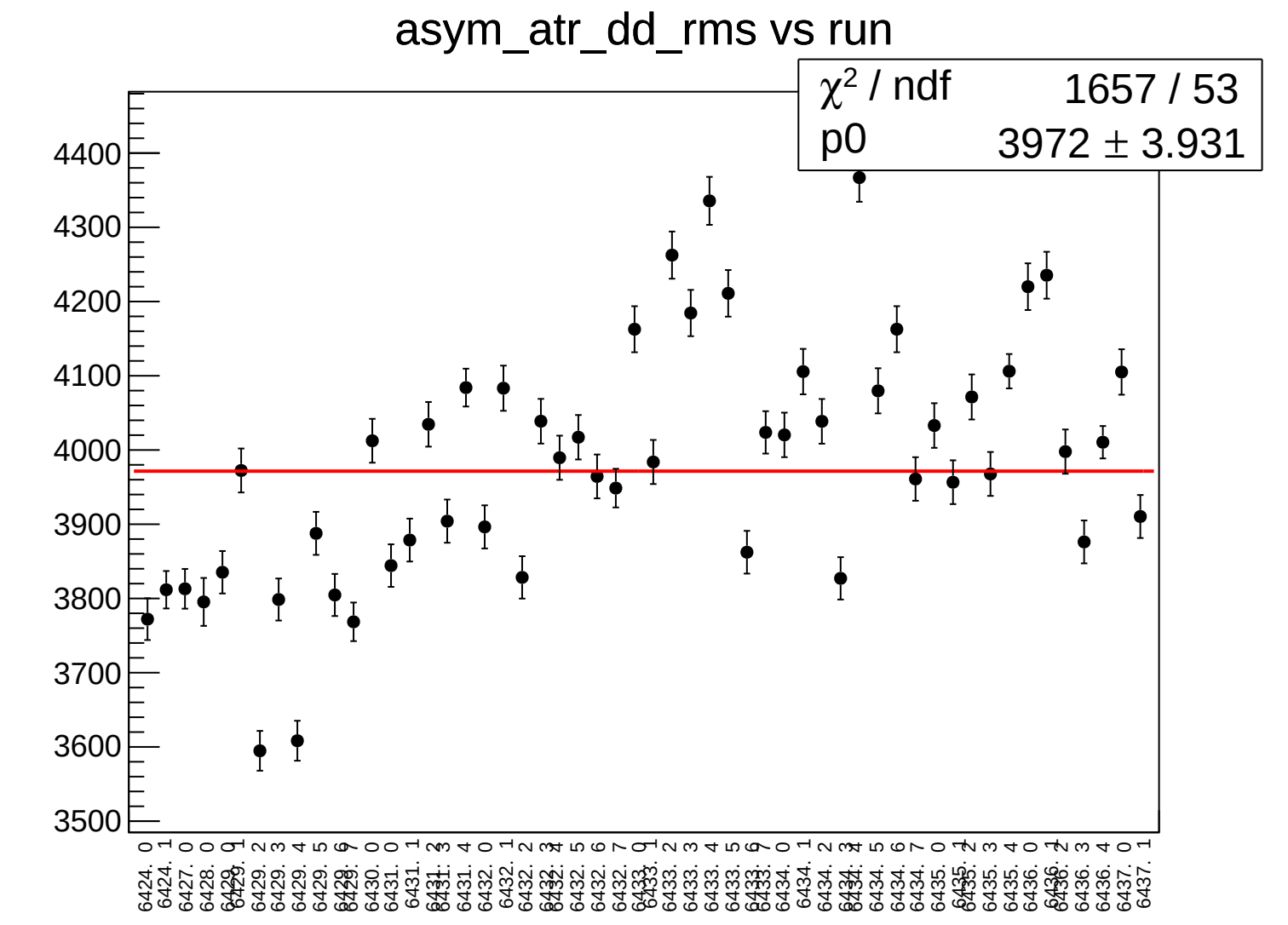
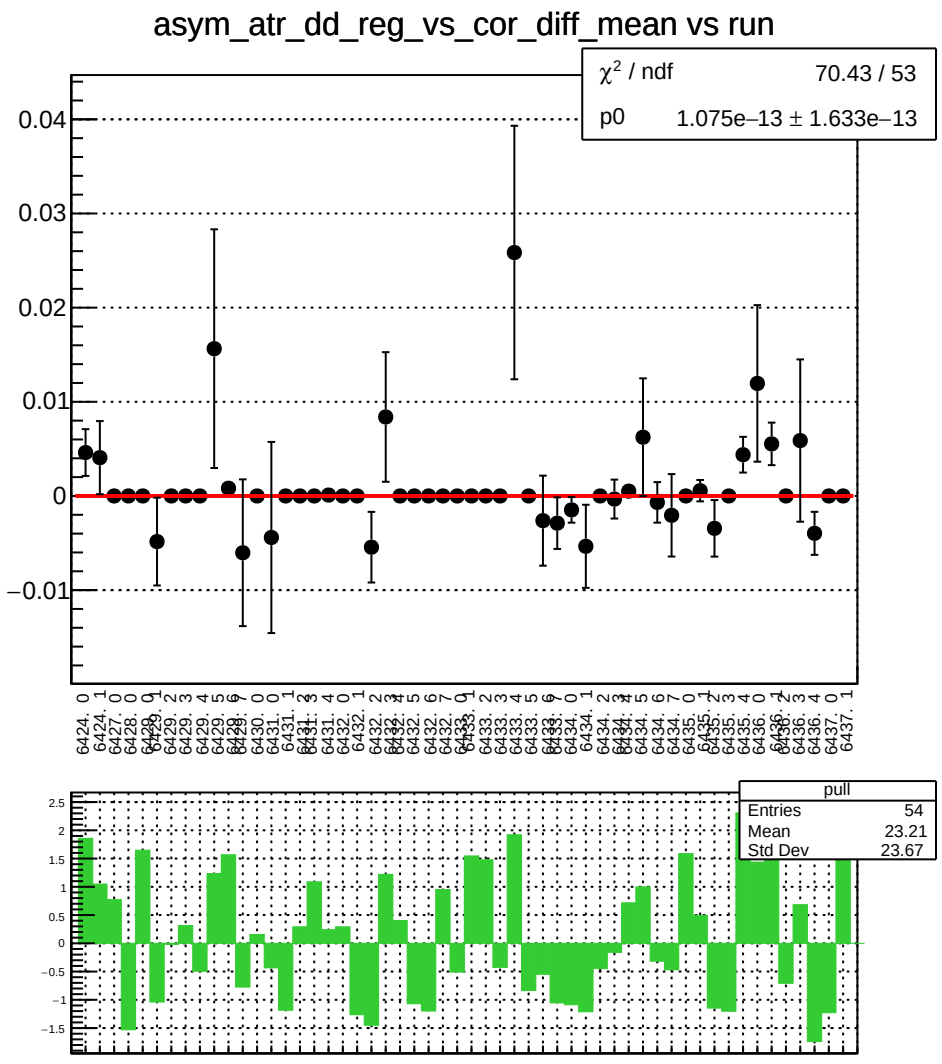
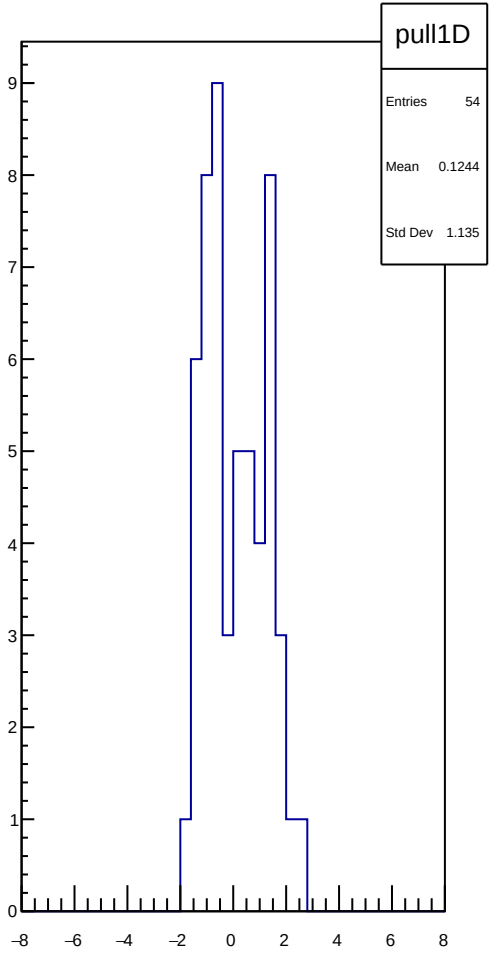
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

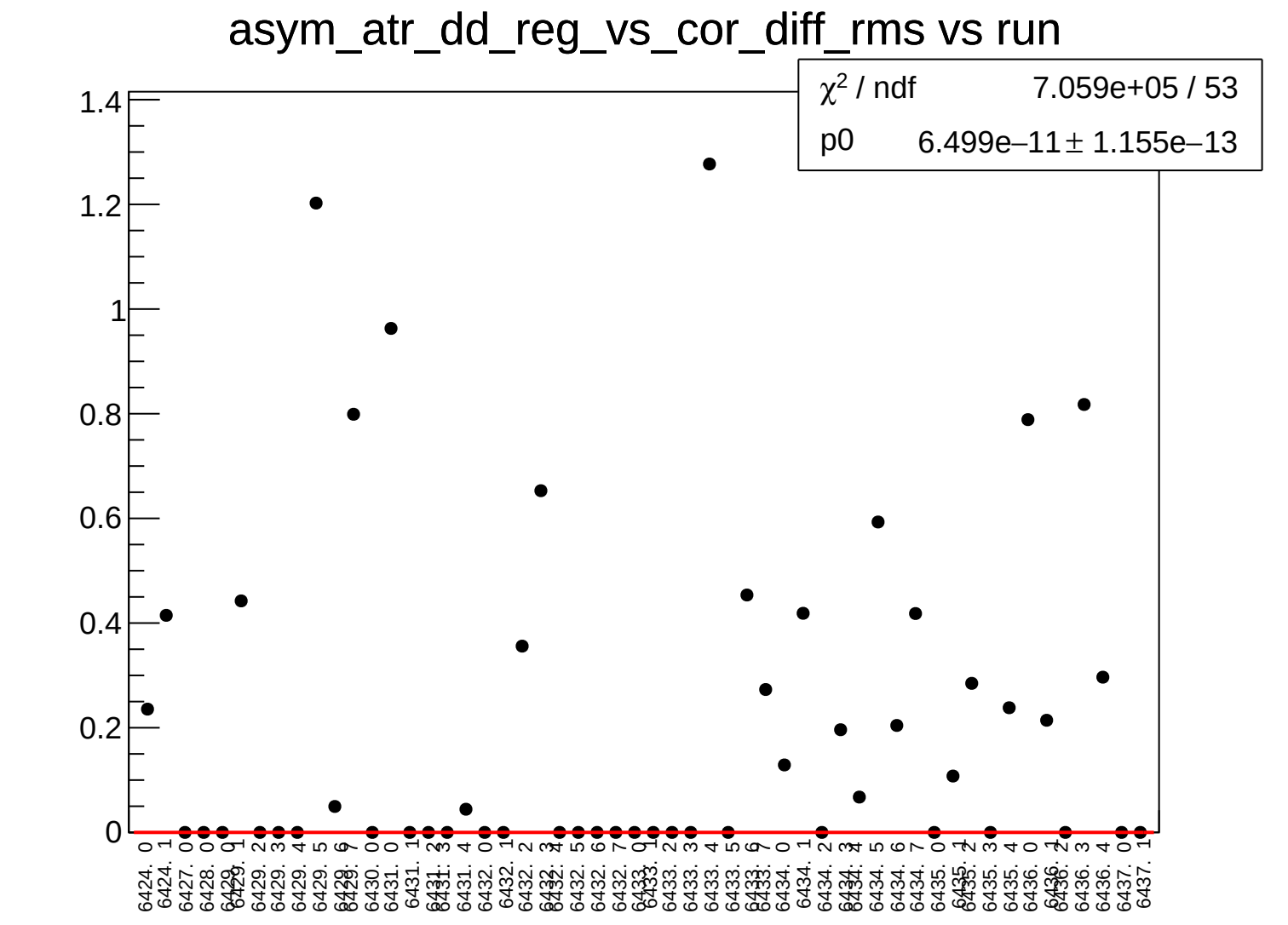

asym_atr_dd_mean vs run
χ² / ndf 65.55 / 53
p0 −4048 ± 5559
×10³
pull
Entries 54
Mean 547.9
Std Dev 0

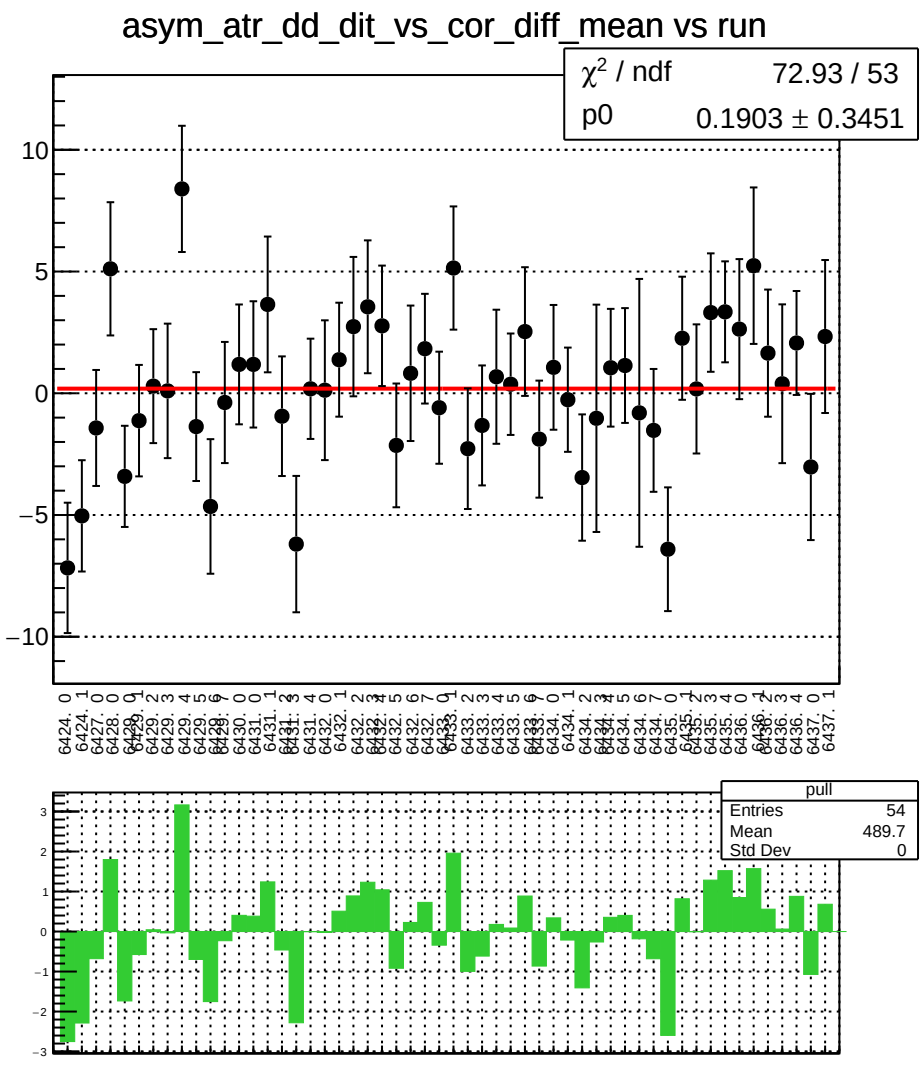

pull1D
Entries 54
Mean 0.004991
Std Dev 1.102

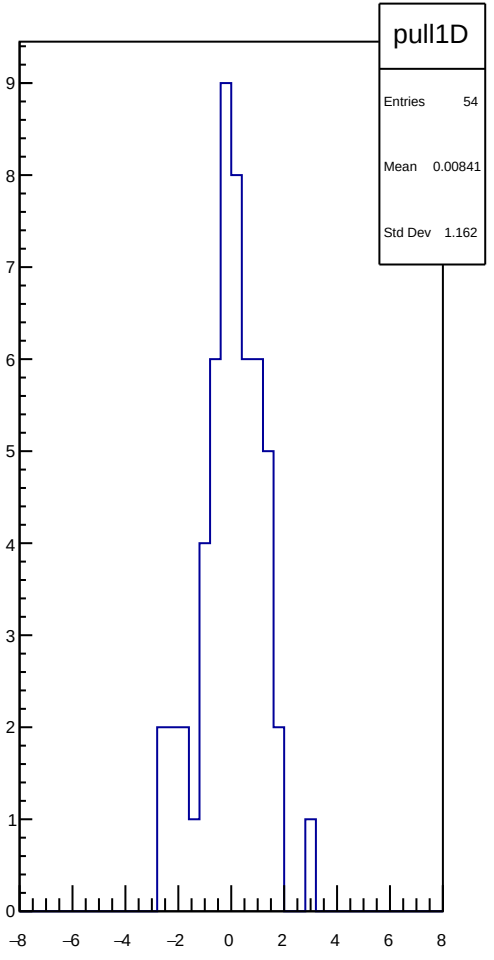

asym_atr_dd_rms vs run
χ² / ndf 1657 / 53
p0 3972 ± 3.931
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

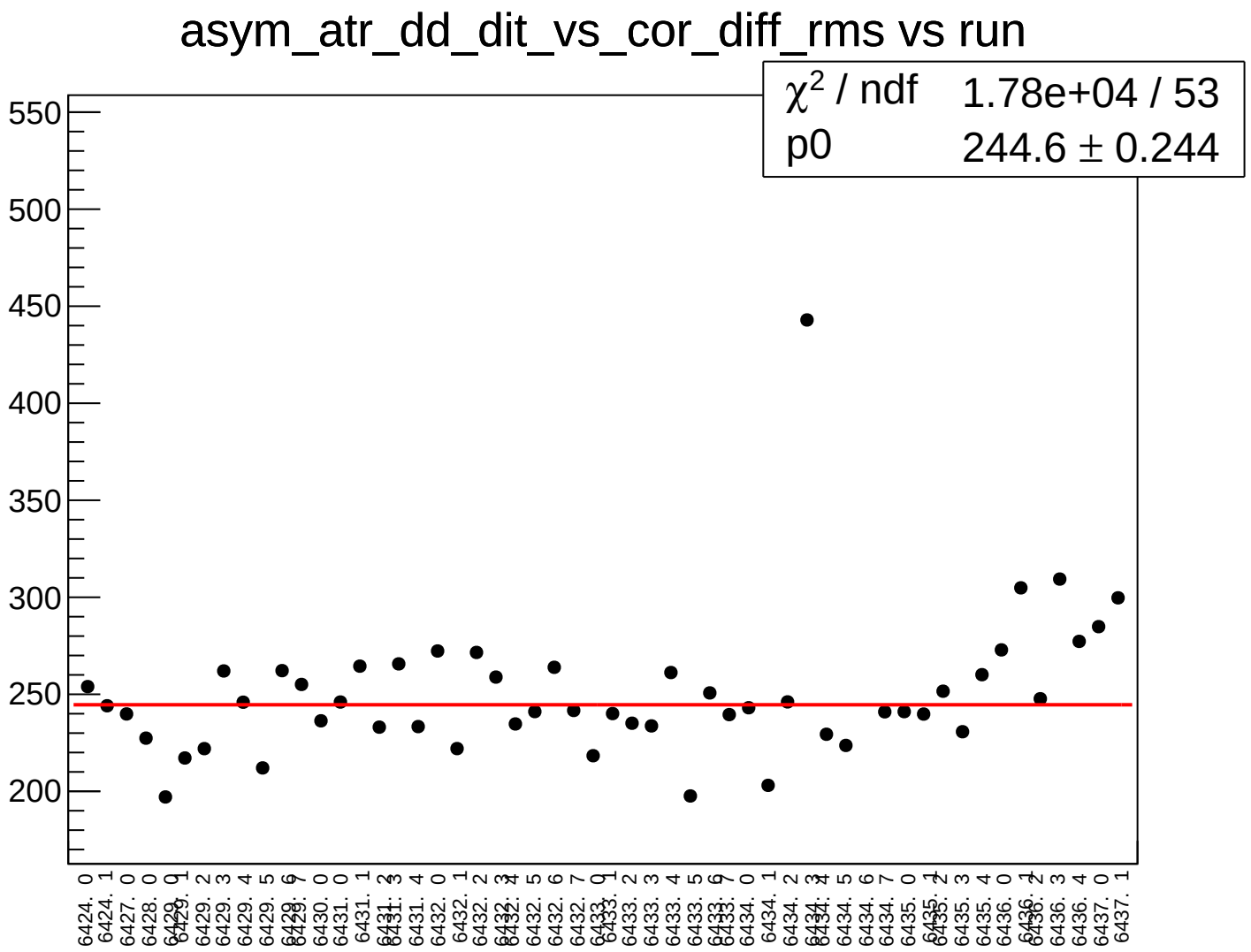

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.43 / 53
p0 1.075e−13 ± 1.633e−13
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 54
Mean 23.21
Std Dev 23.67
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

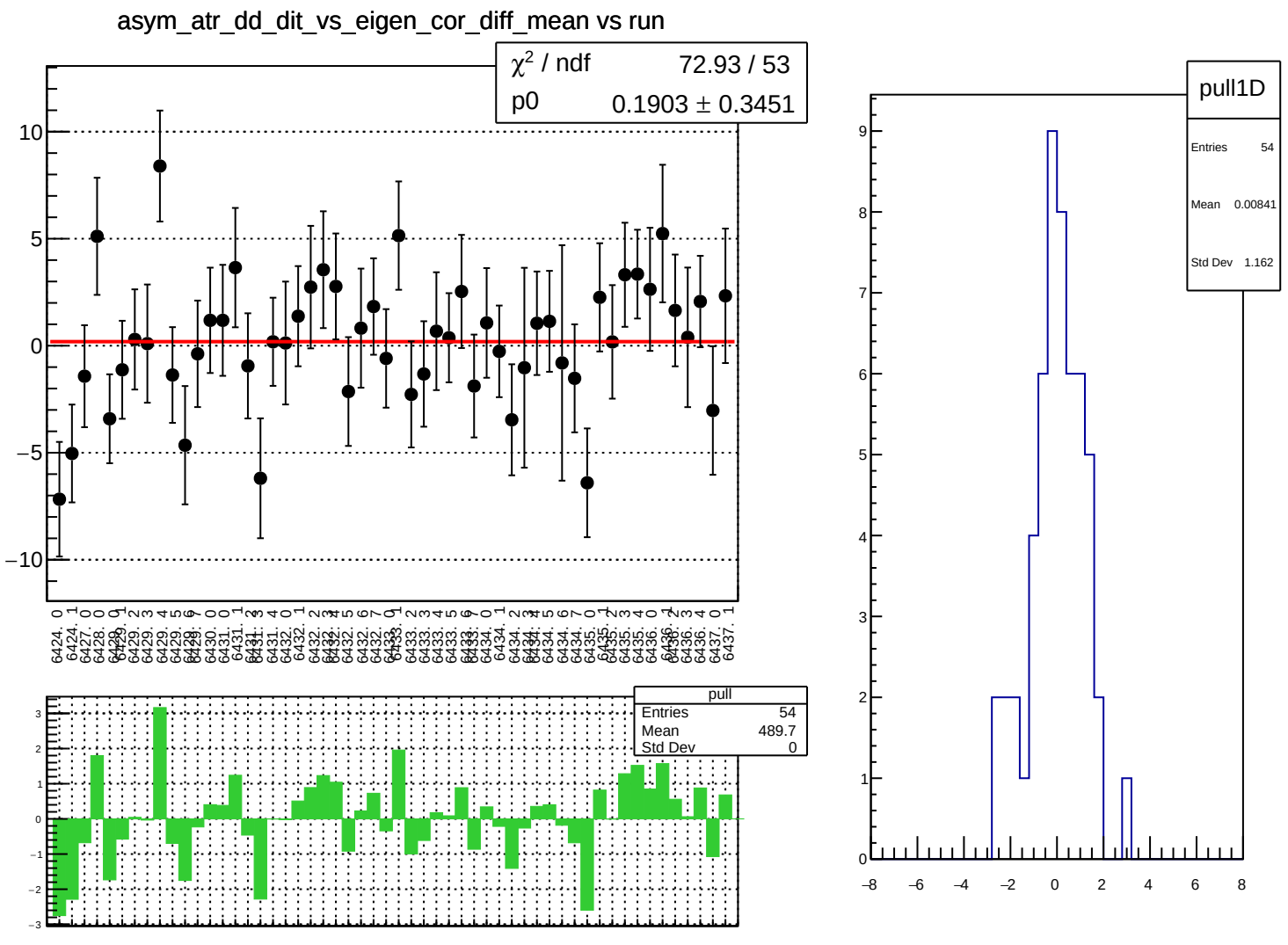

pull1D
Entries 54
Mean 0.1244
Std Dev 1.135
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

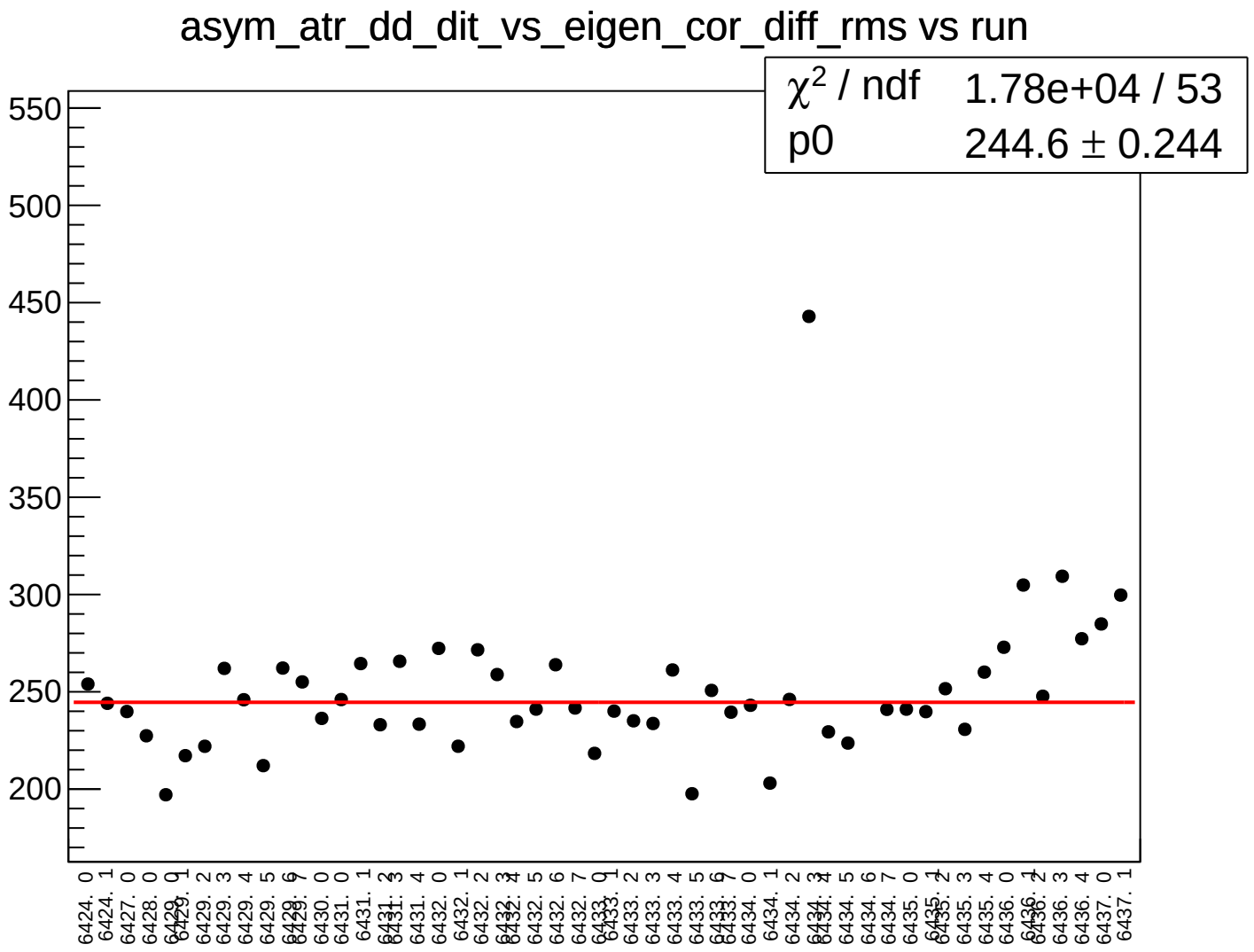

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.059e+05 / 53
p0 6.499e−11 ± 1.155e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

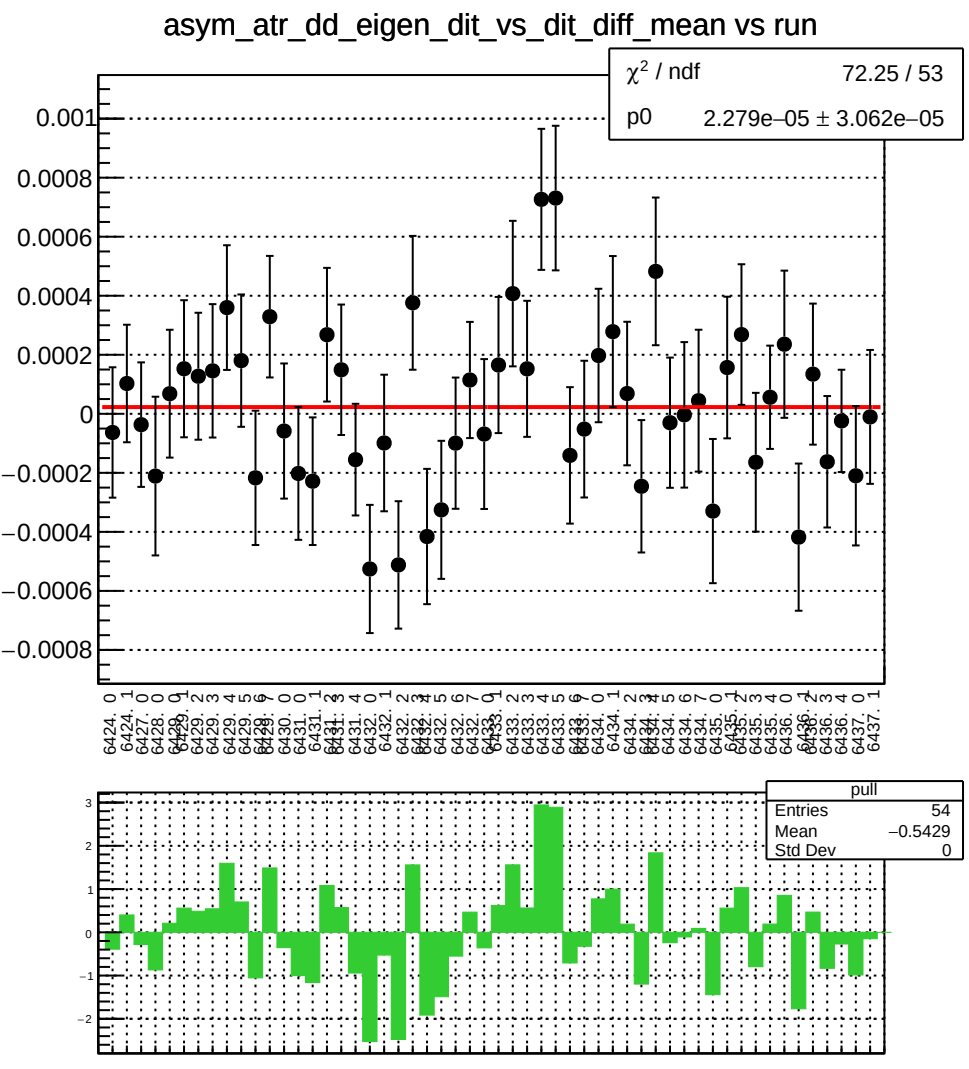

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.93 / 53
p0 0.1903 ± 0.3451
pull
Entries 54
Mean 489.7
Std Dev 0

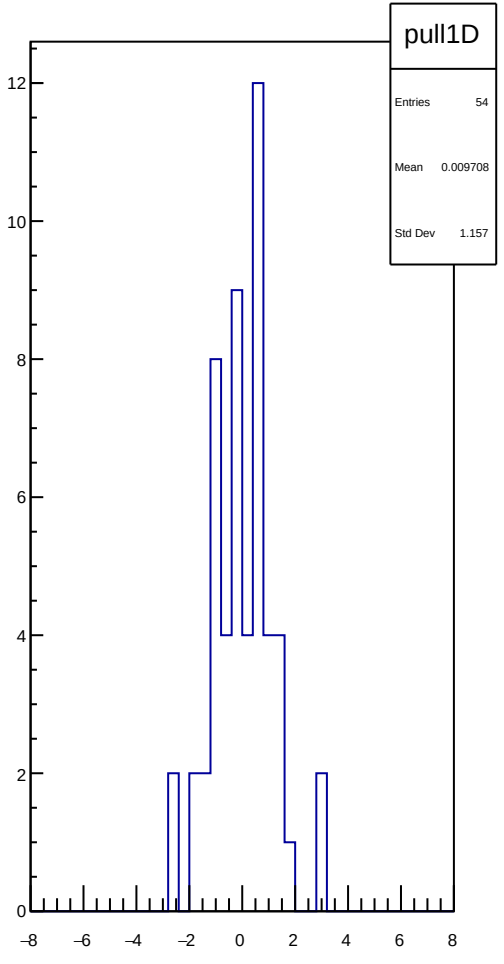

pull1D
Entries 54
Mean 0.00841
Std Dev 1.162

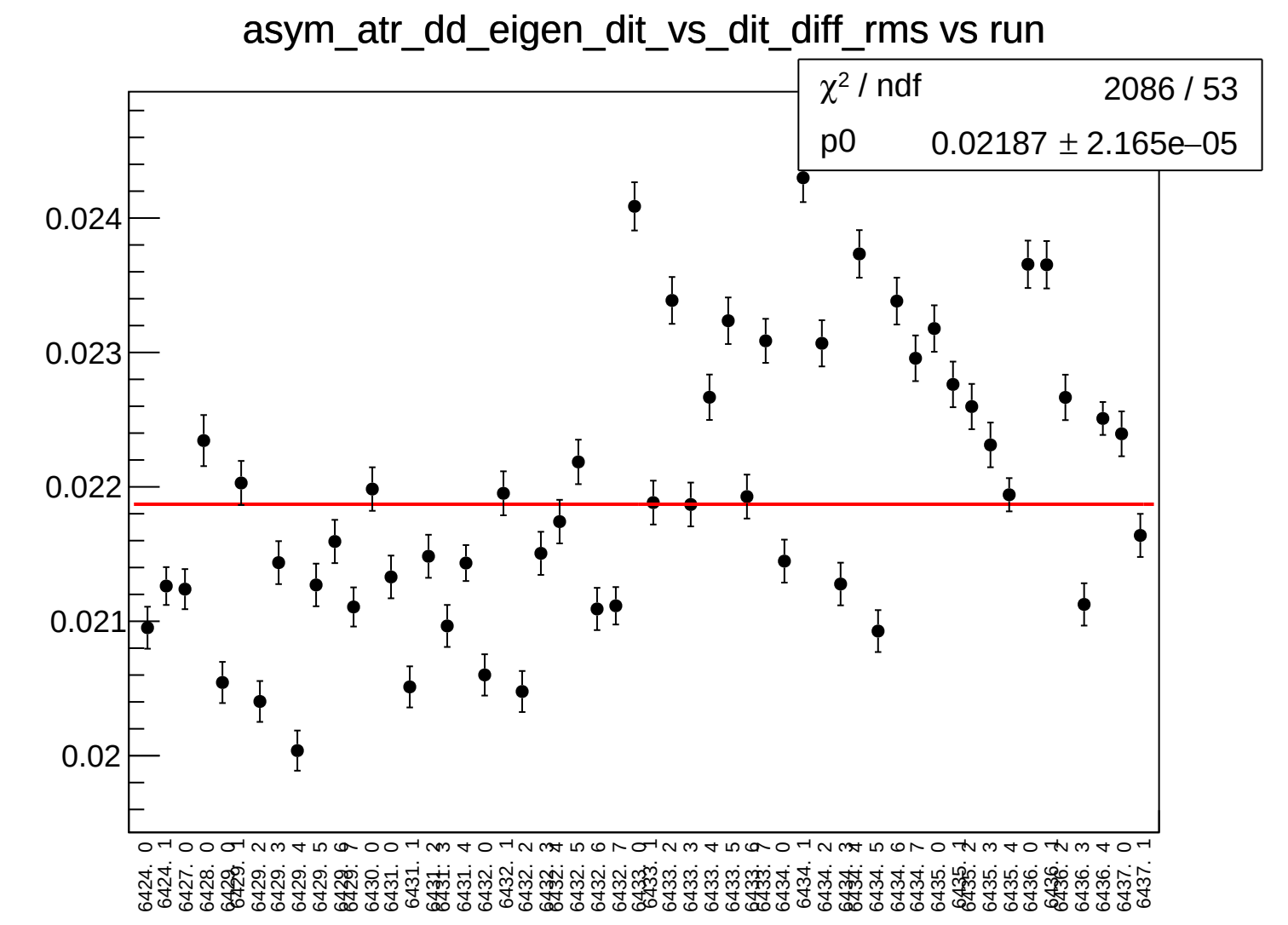

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 53
p0 244.6 ± 0.244
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

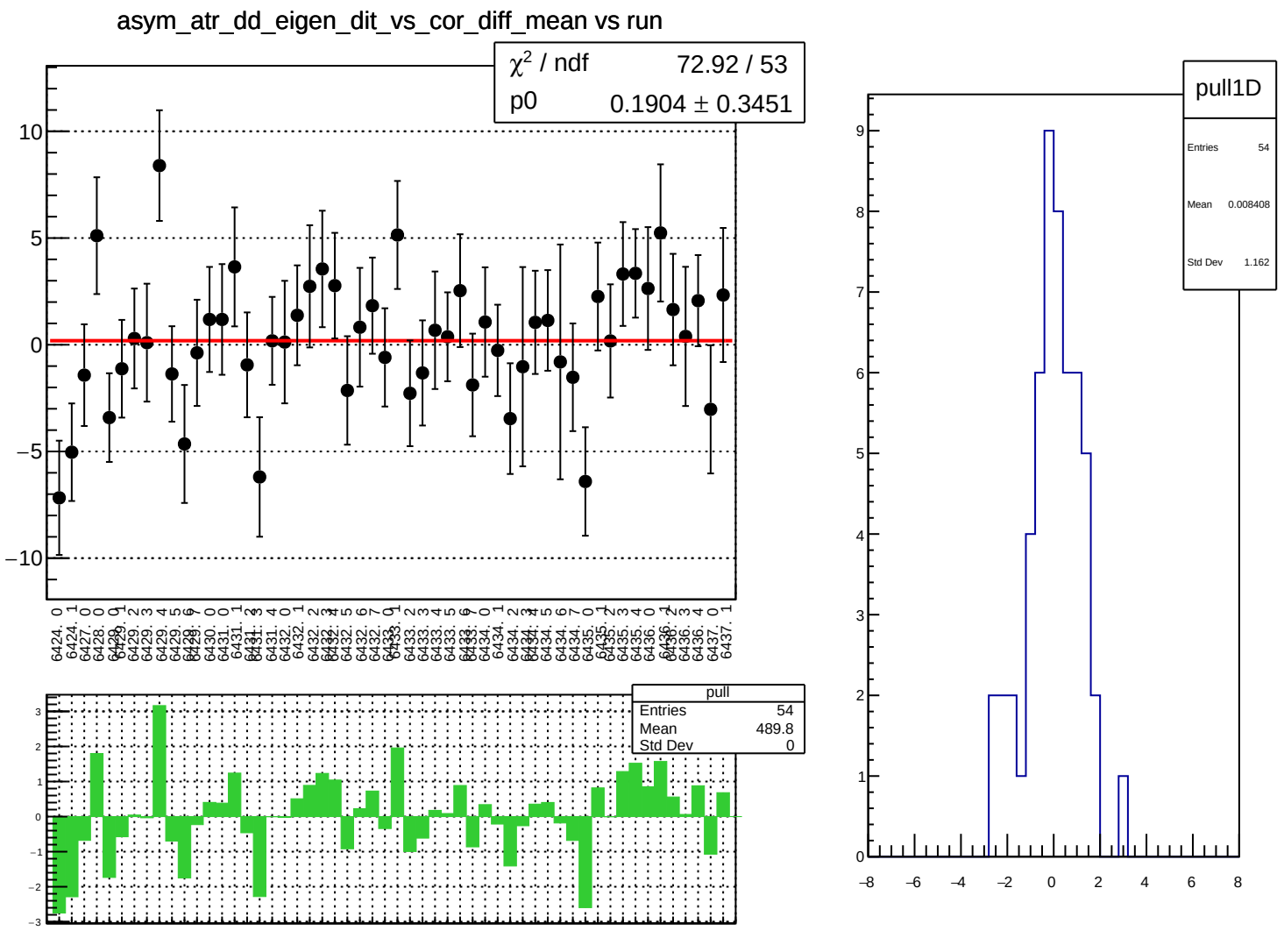

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.93 / 53
p0 0.1903 ± 0.3451
pull
Entries 54
Mean 489.7
Std Dev 0
pull1D
Entries 54
Mean 0.00841
Std Dev 1.162

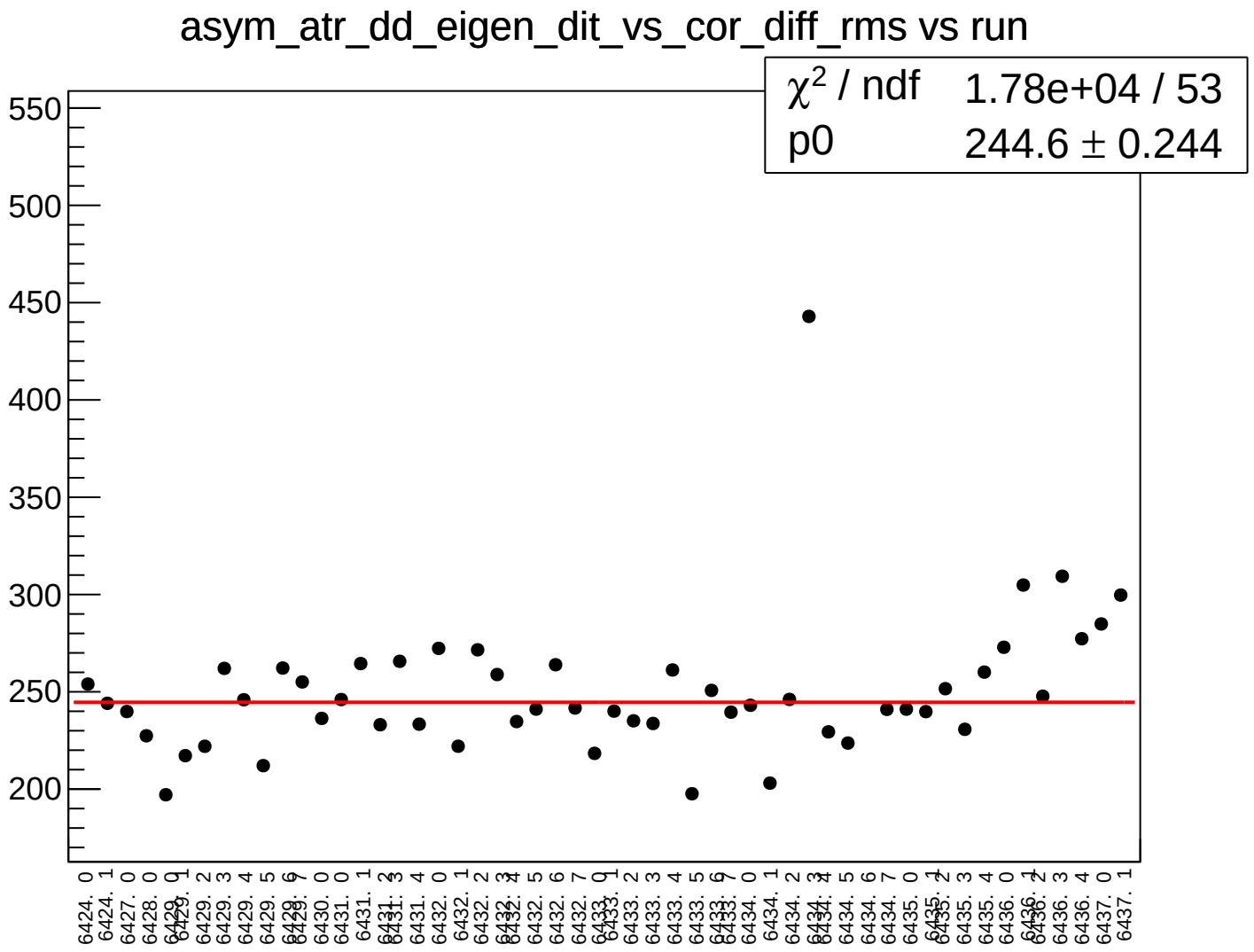

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 53
p0 244.6 ± 0.244
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

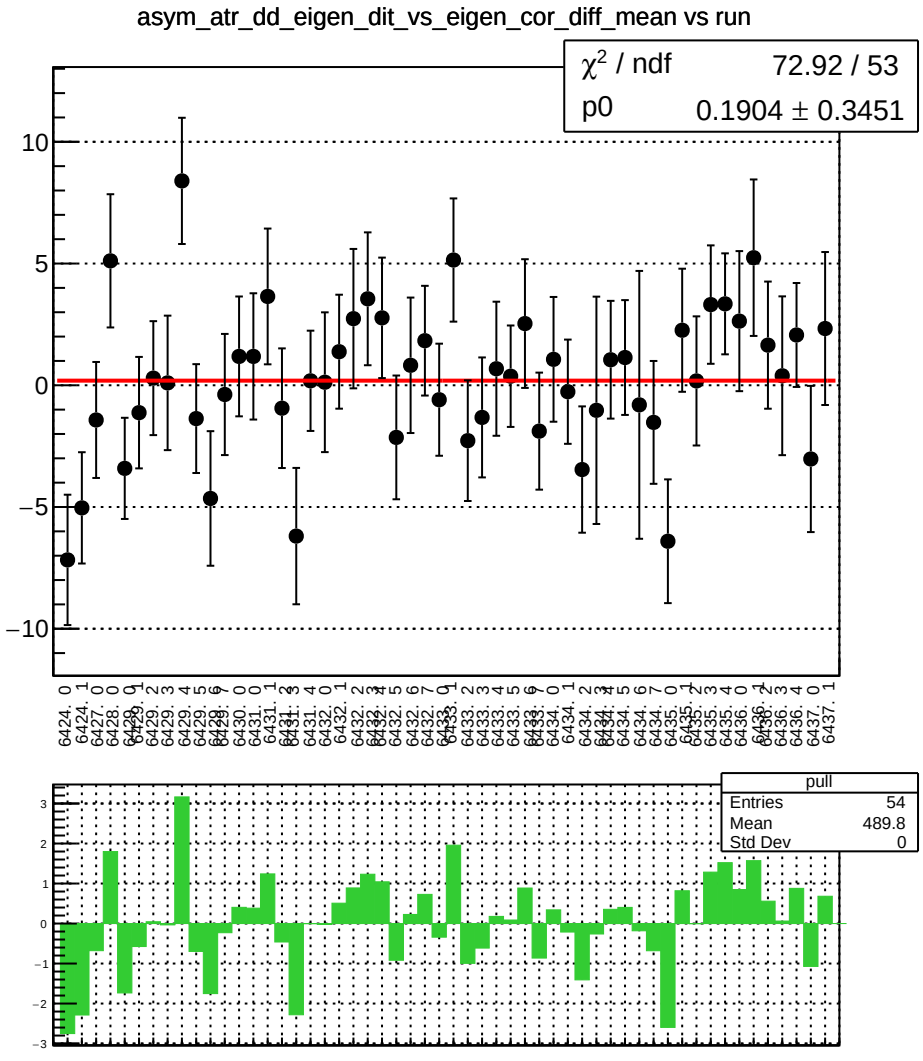

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 72.25 / 53
p0 2.279e−05 ± 3.062e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 54
Mean −0.5429
Std Dev 0
3
2
1
0
−1
−2

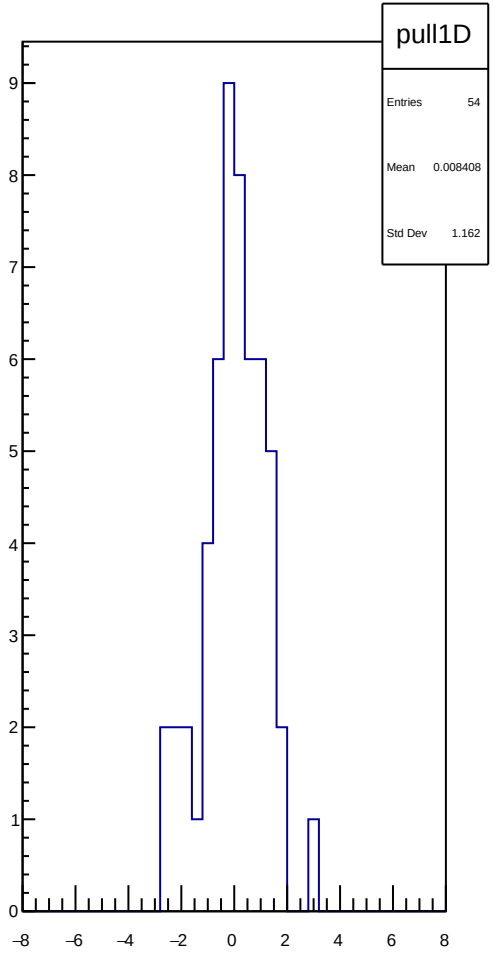

pull1D
Entries 54
Mean 0.009708
Std Dev 1.157
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

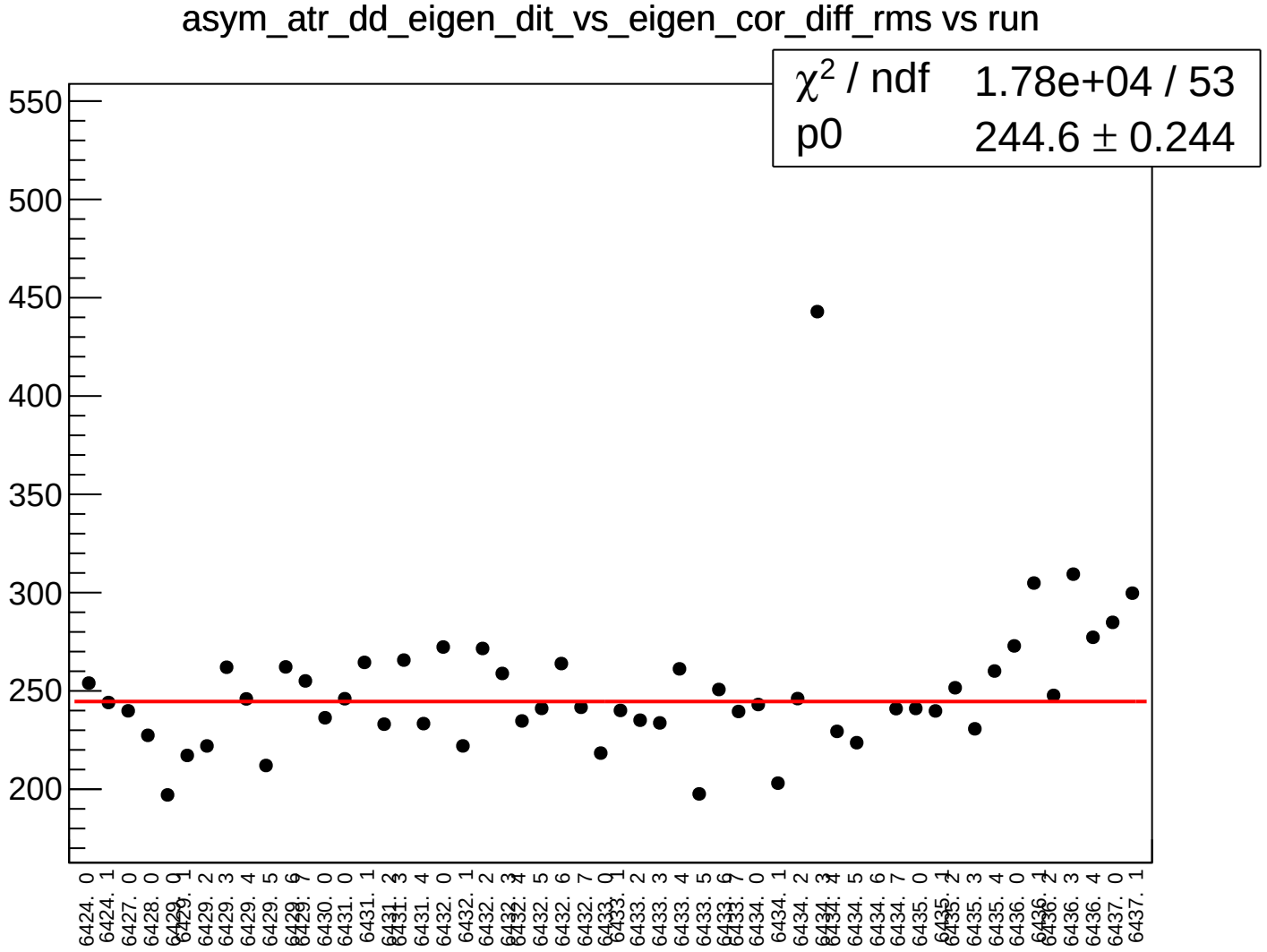

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2086 / 53
p0 0.02187 ± 2.165e−05
0.024
0.023
0.022
0.021
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

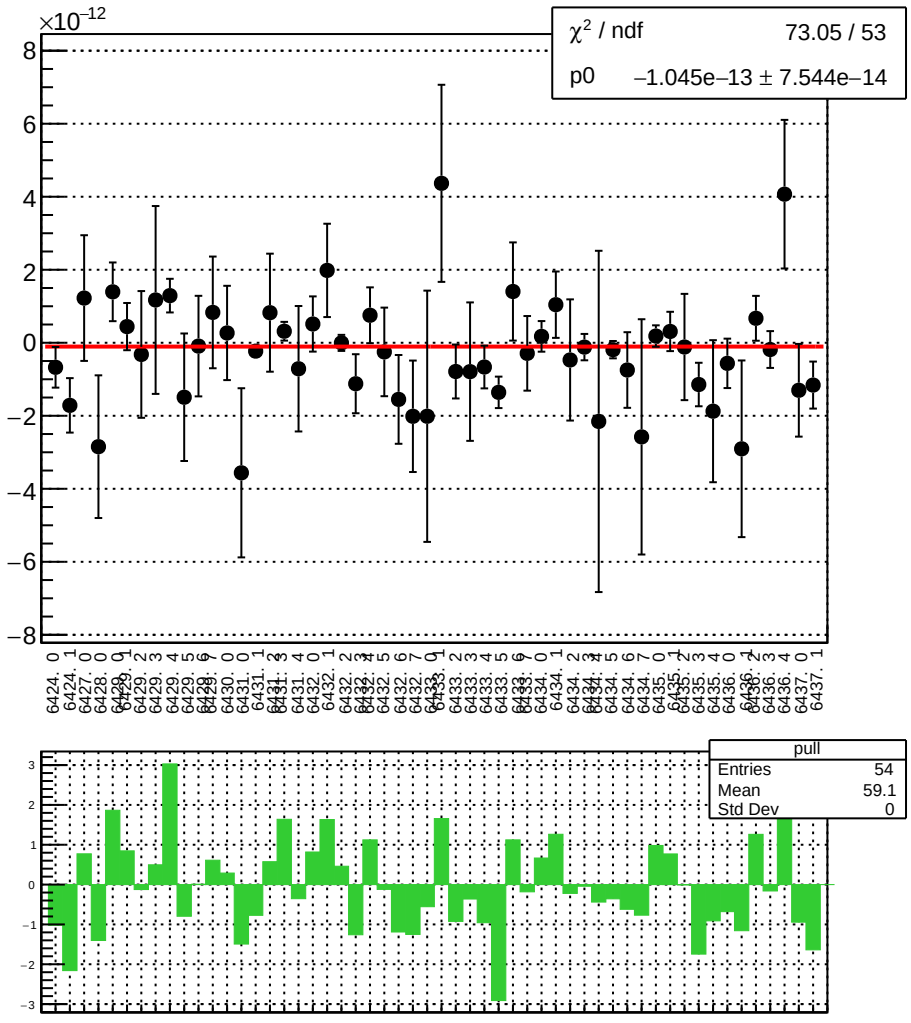

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.92 / 53
p0 0.1904 ± 0.3451
pull
Entries 54
Mean 489.8
Std Dev 0
pull1D
Entries 54
Mean 0.008408
Std Dev 1.162

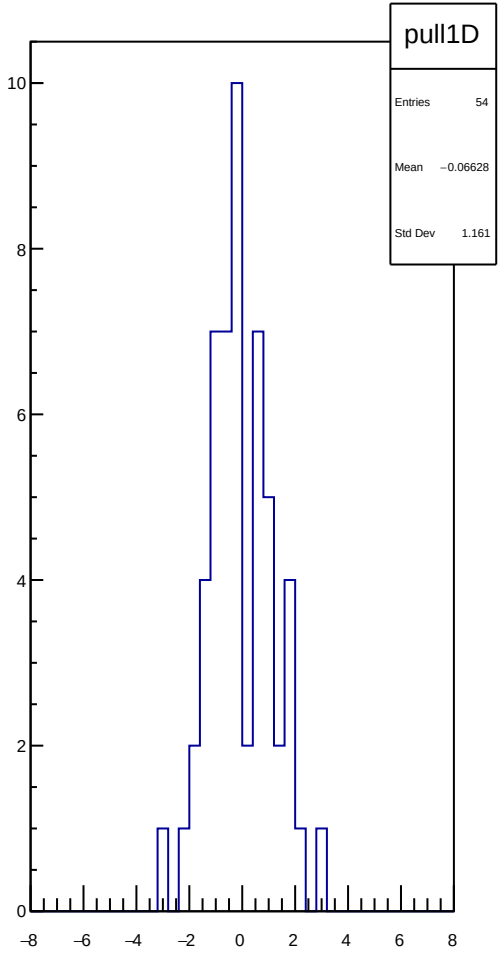

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 53
p0 244.6 ± 0.244
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

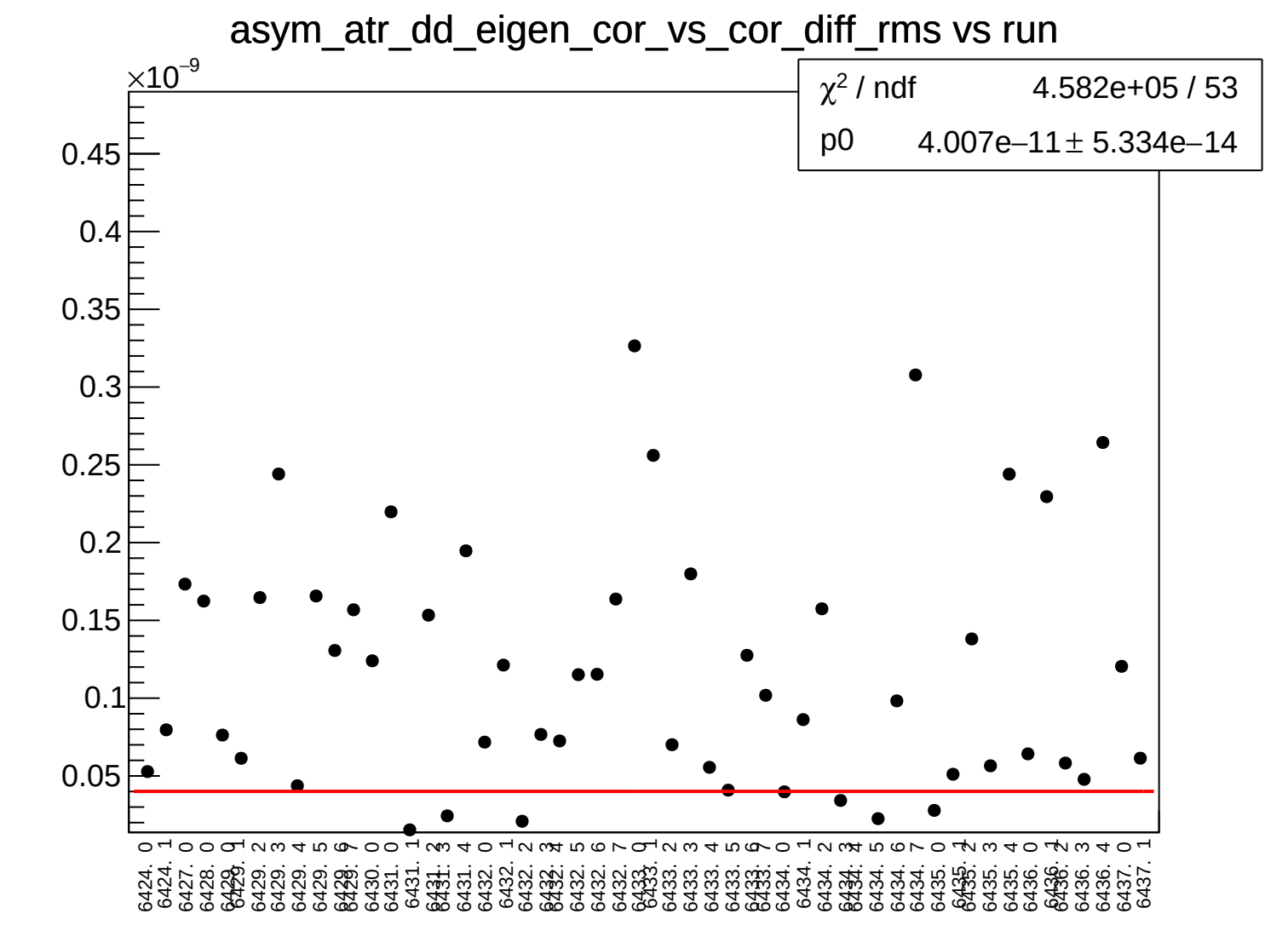

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.92 / 53
p0 0.1904 ± 0.3451
pull
Entries 54
Mean 489.8
Std Dev 0

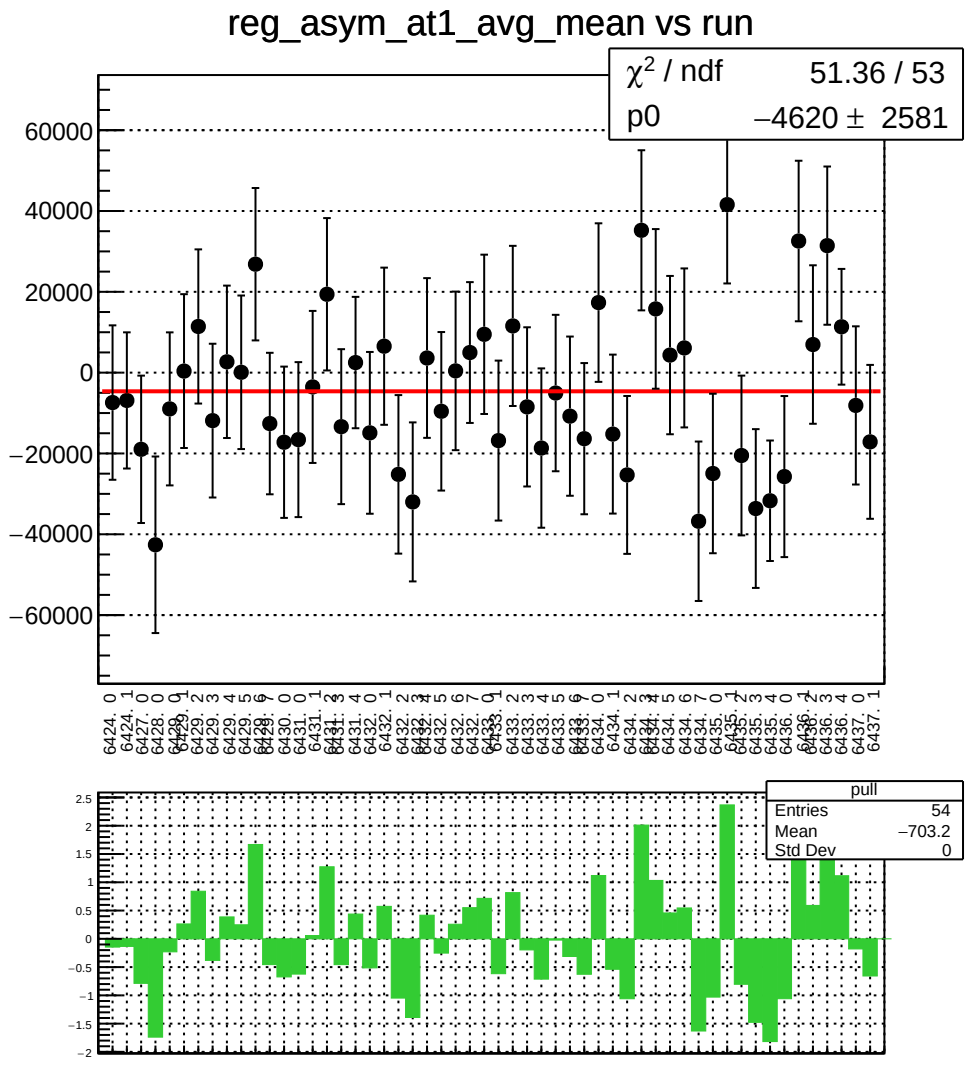

pull1D
Entries 54
Mean 0.008408
Std Dev 1.162

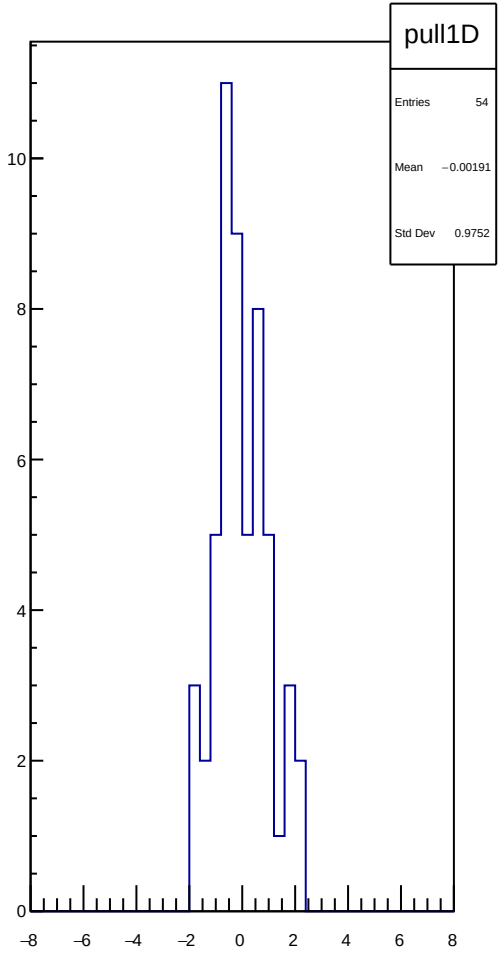

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 53
p0 244.6 ± 0.244
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

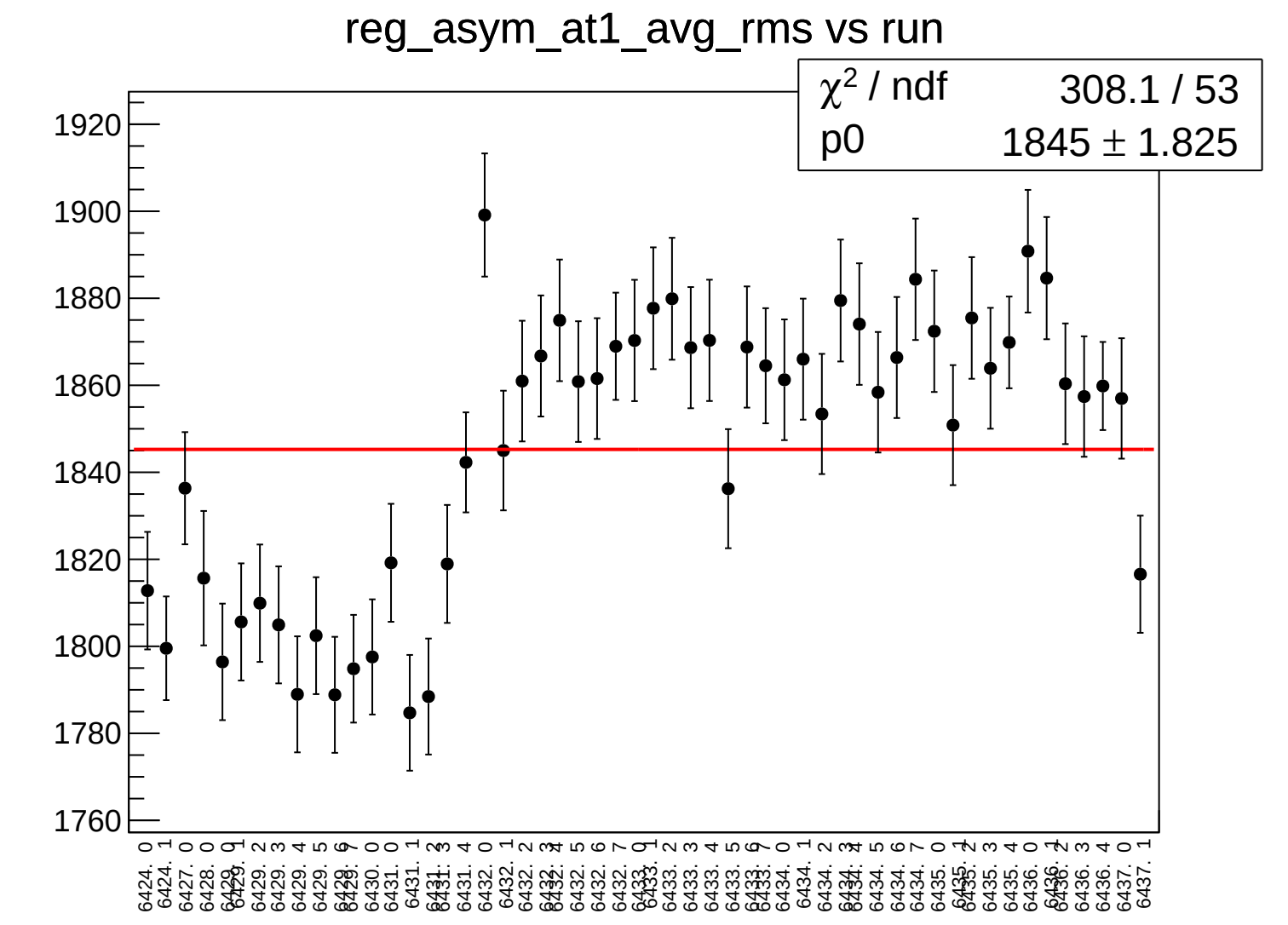

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.05 / 53
p0 −1.045e−13 ± 7.544e−14
pull
Entries 54
Mean 59.1
Std Dev 0

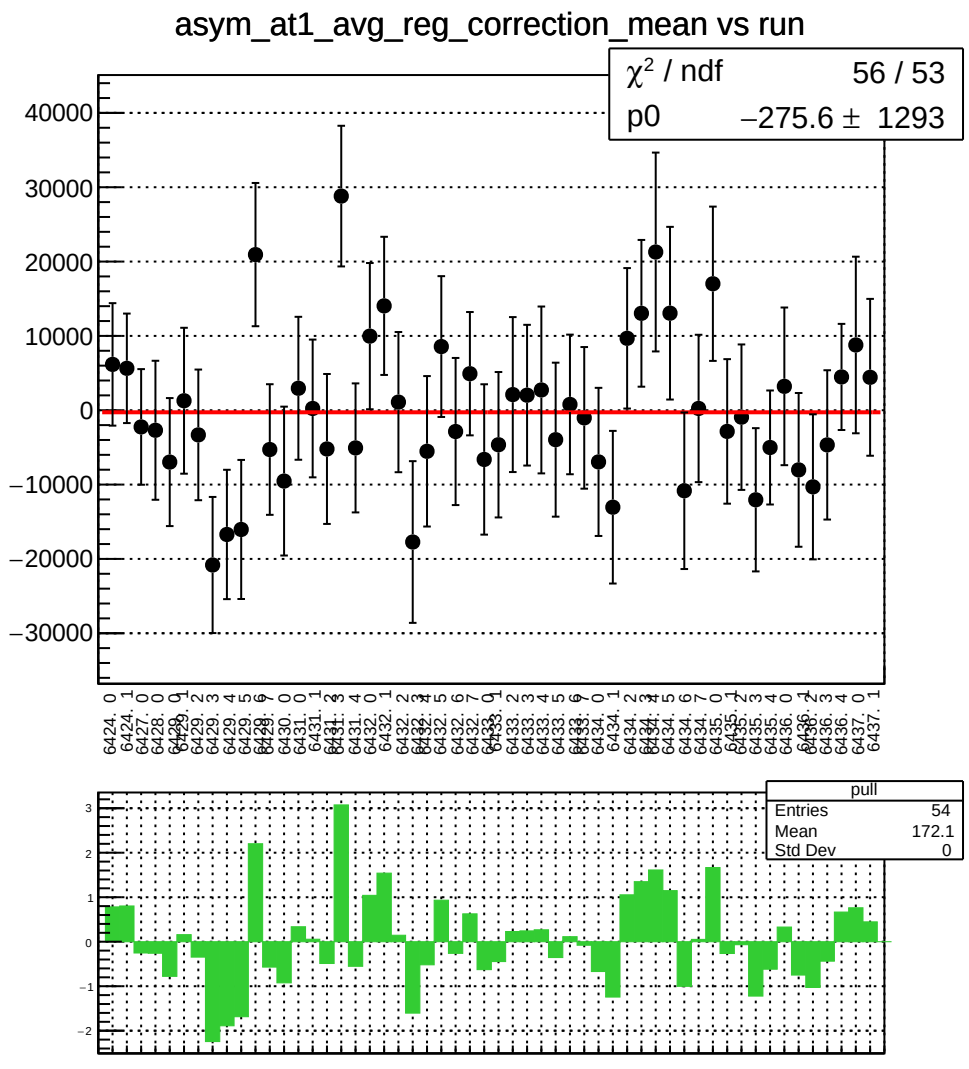

pull1D
Entries 54
Mean −0.06628
Std Dev 1.161

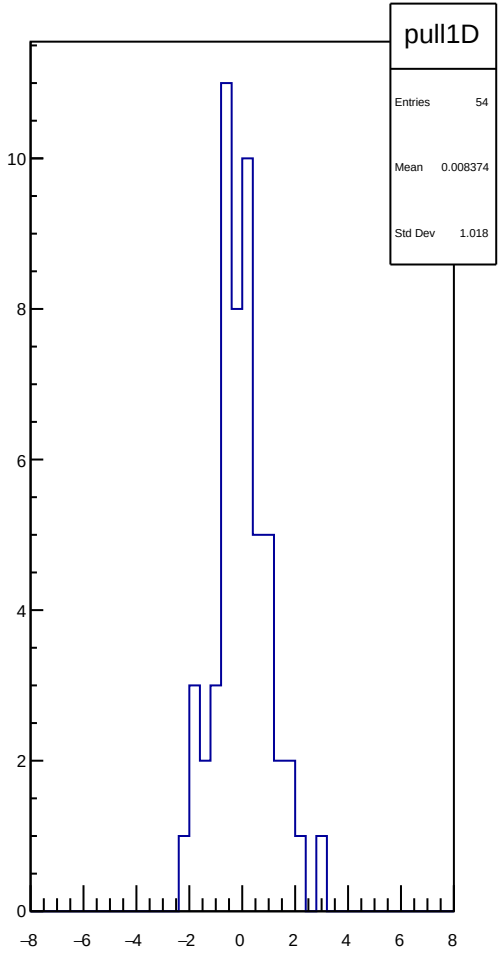

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.582e+05 / 53
p0 4.007e−11 ± 5.334e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

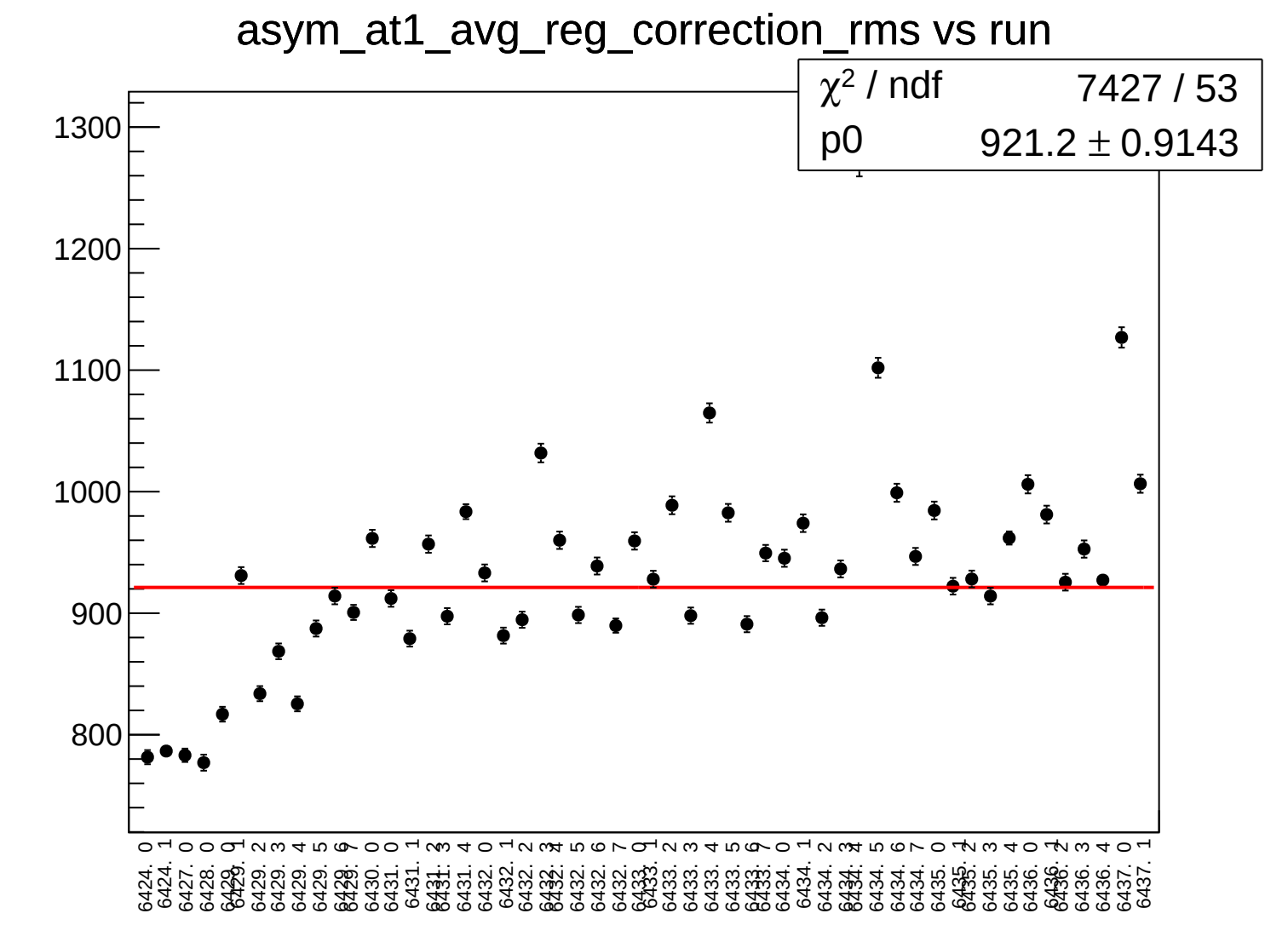

reg_asym_at1_avg_mean vs run
χ² / ndf 51.36 / 53
p0 −4620 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −703.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

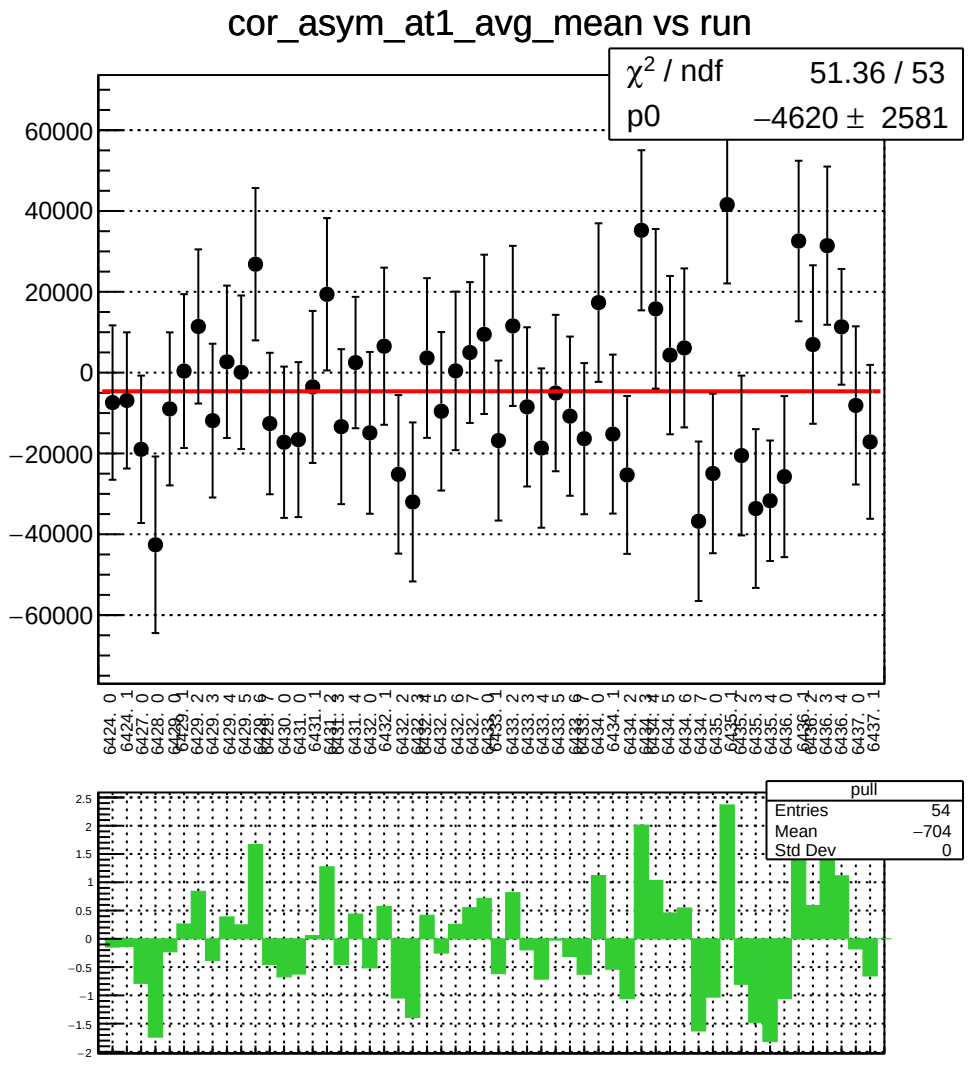

pull1D
Entries 54
Mean −0.00191
Std Dev 0.9752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

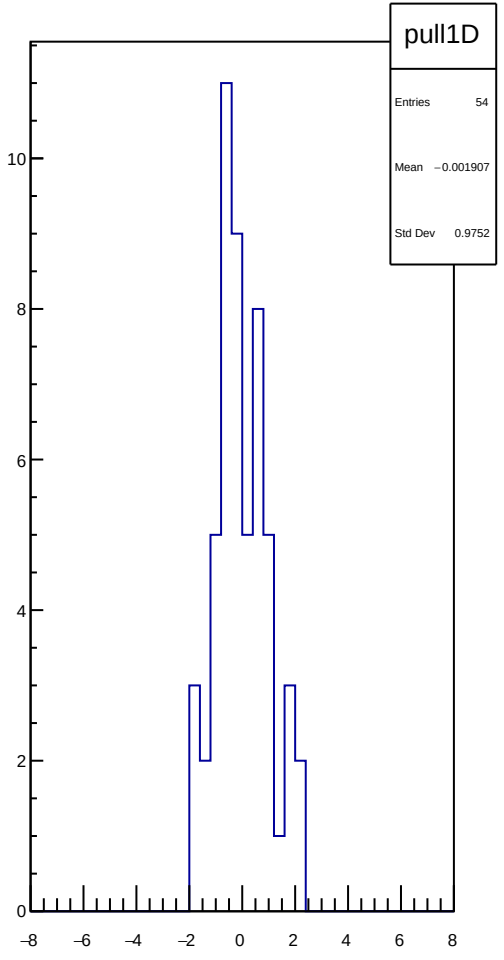

reg_asym_at1_avg_rms vs run
χ² / ndf 308.1 / 53
p0 1845 ± 1.825
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

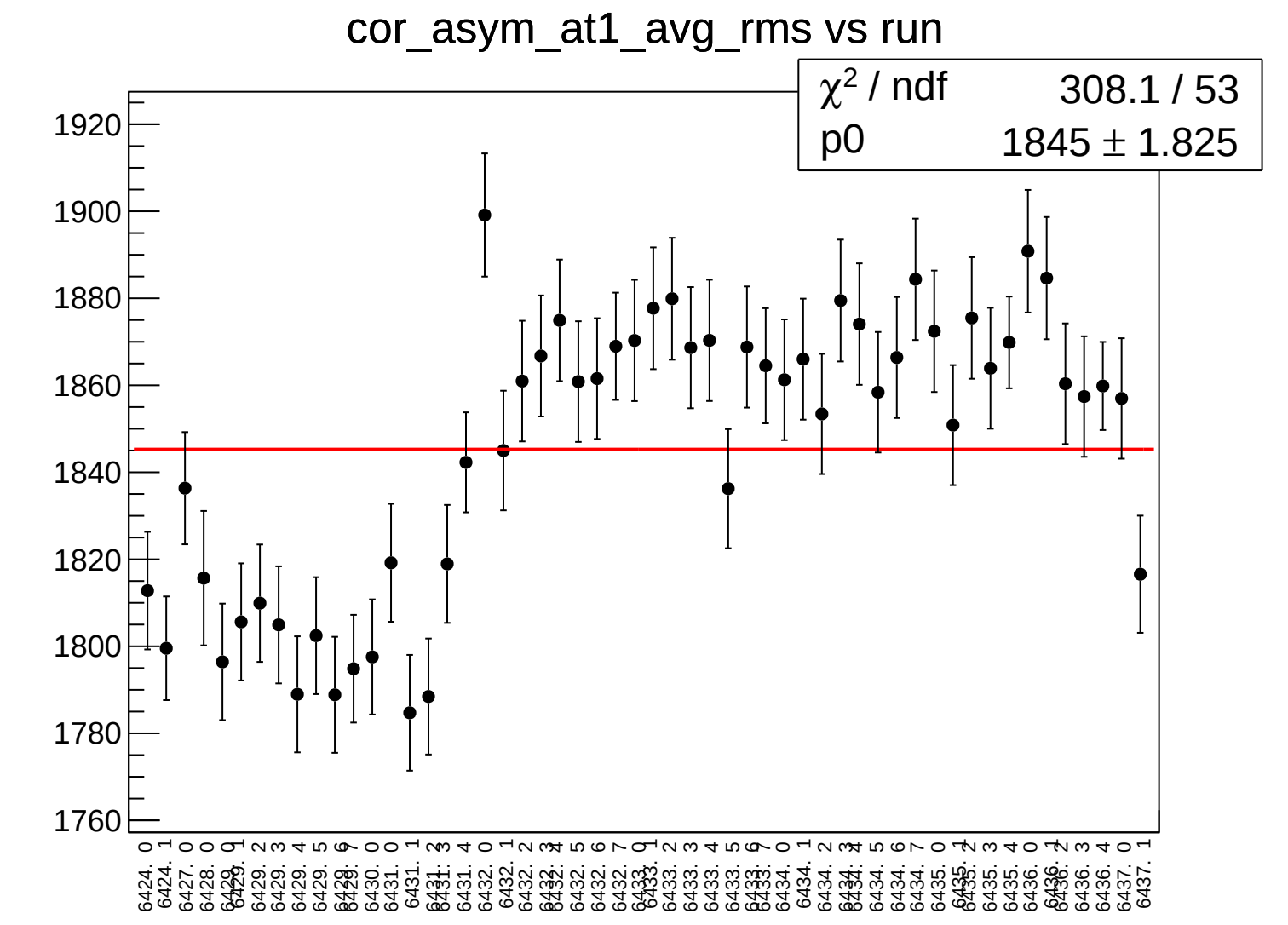

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 56 / 53
p0 −275.6 ± 1293
pull
Entries 54
Mean 172.1
Std Dev 0

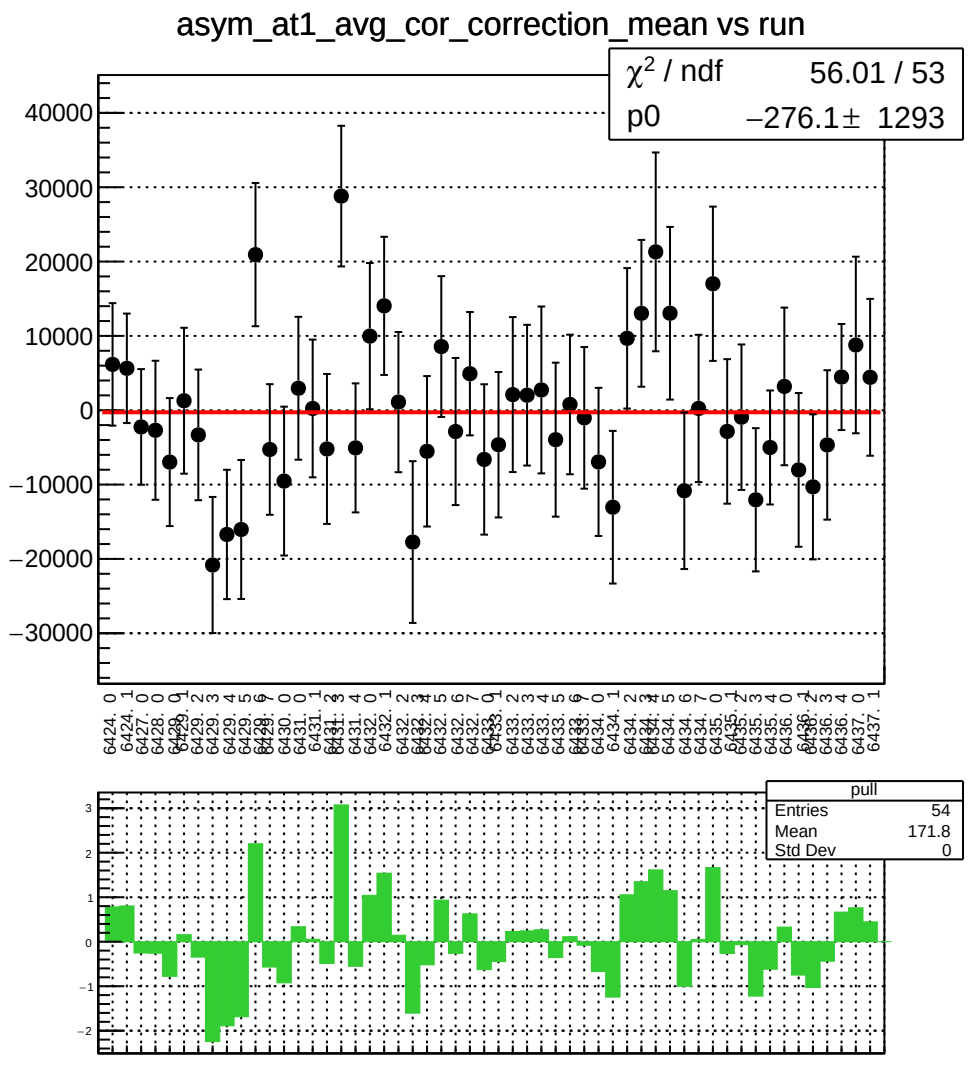

pull1D
Entries 54
Mean 0.008374
Std Dev 1.018

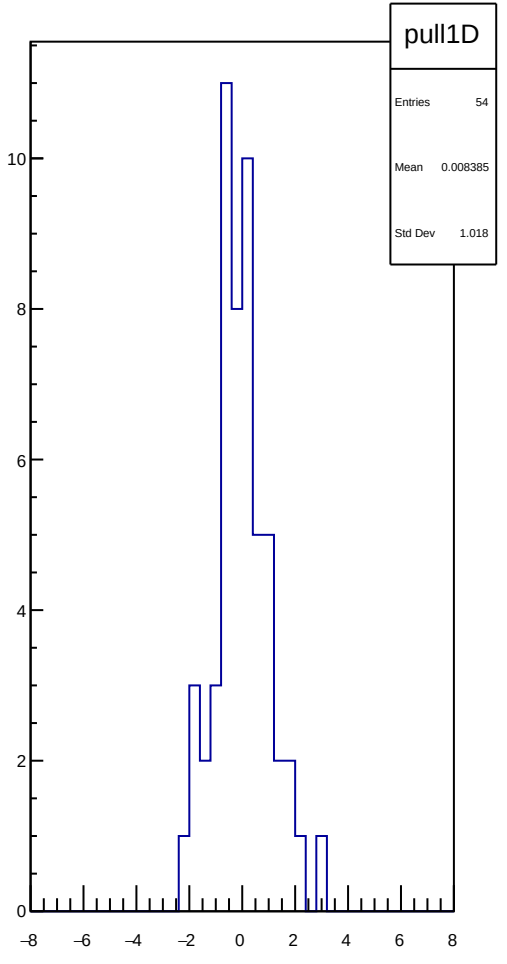

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 7427 / 53
p0 921.2 ± 0.9143
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

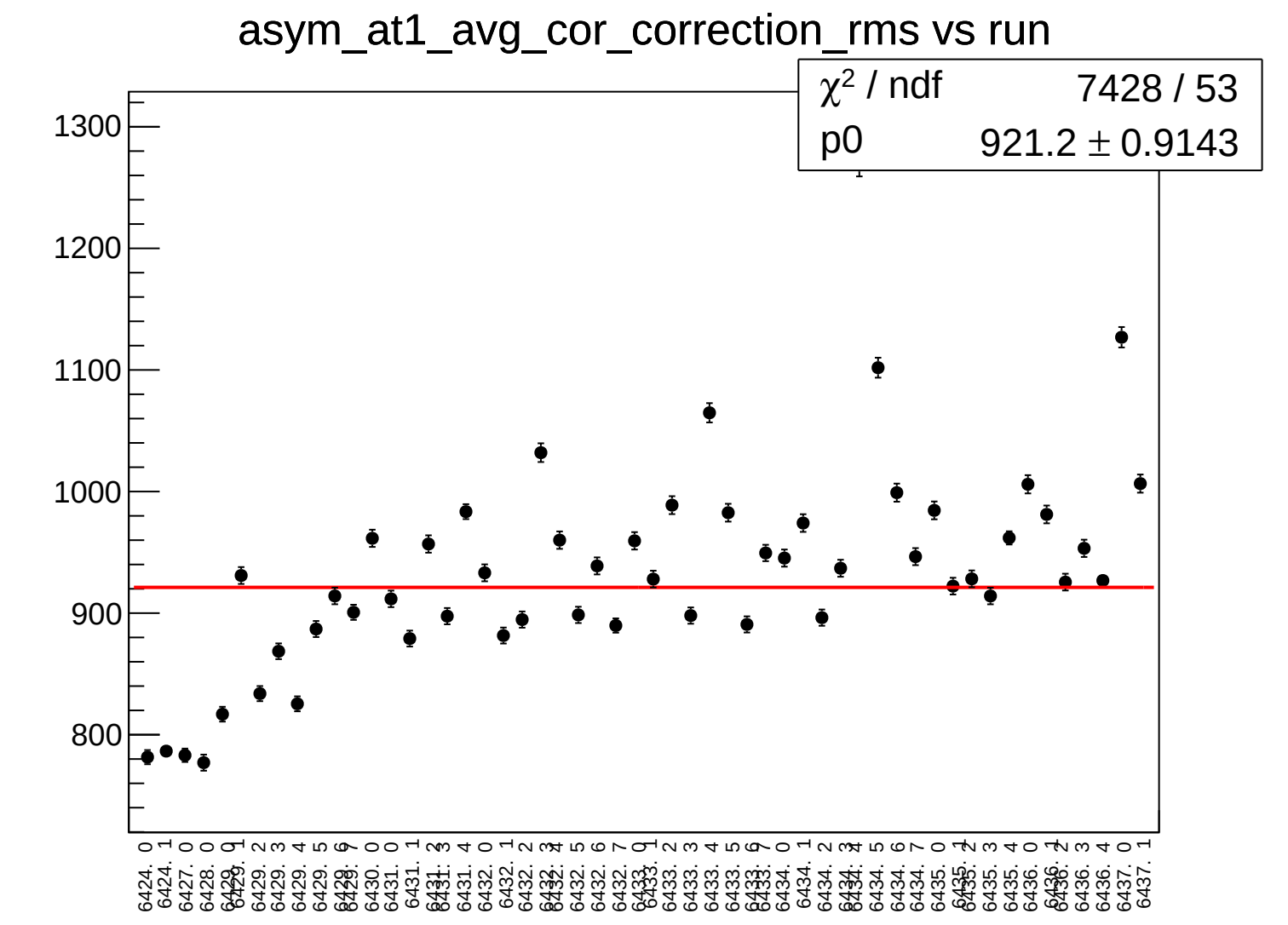

cor_asym_at1_avg_mean vs run
χ² / ndf 51.36 / 53
p0 −4620 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −704
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

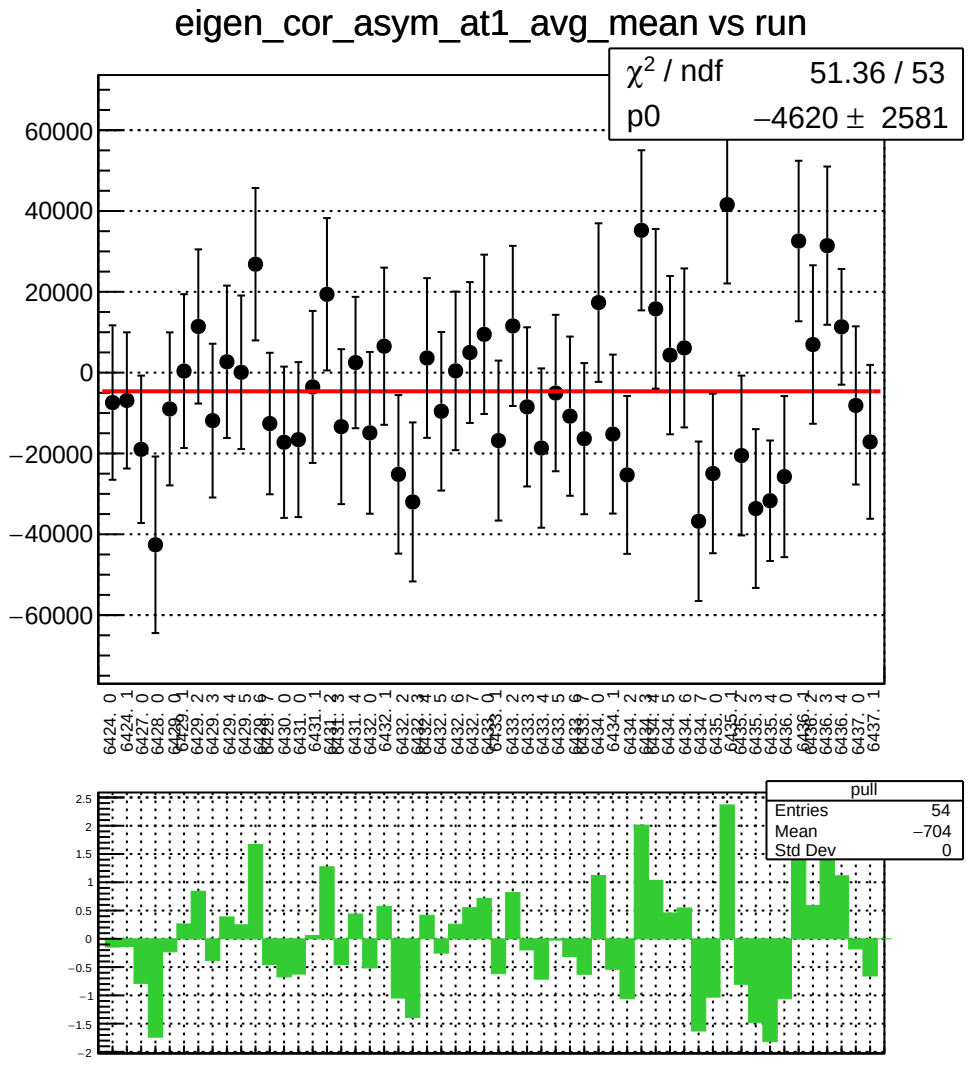

pull1D
Entries 54
Mean −0.001907
Std Dev 0.9752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

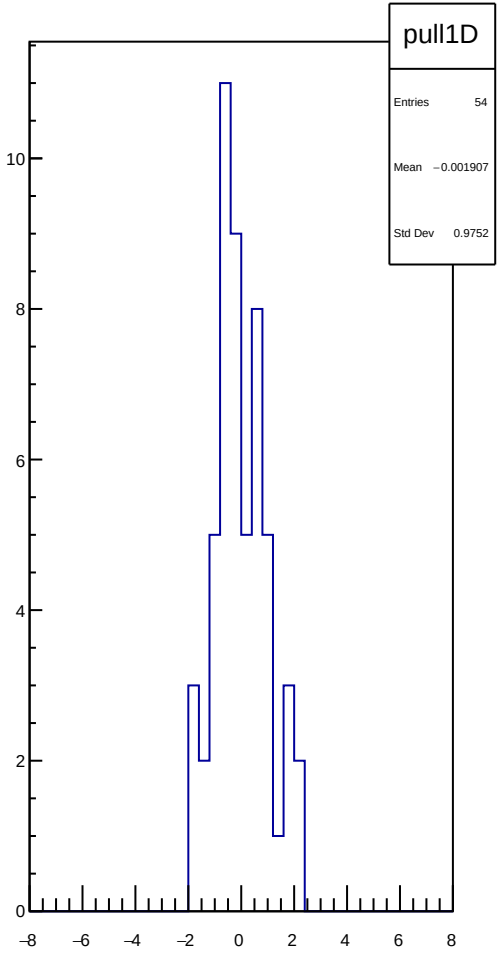

cor_asym_at1_avg_rms vs run
χ² / ndf 308.1 / 53
p0 1845 ± 1.825
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

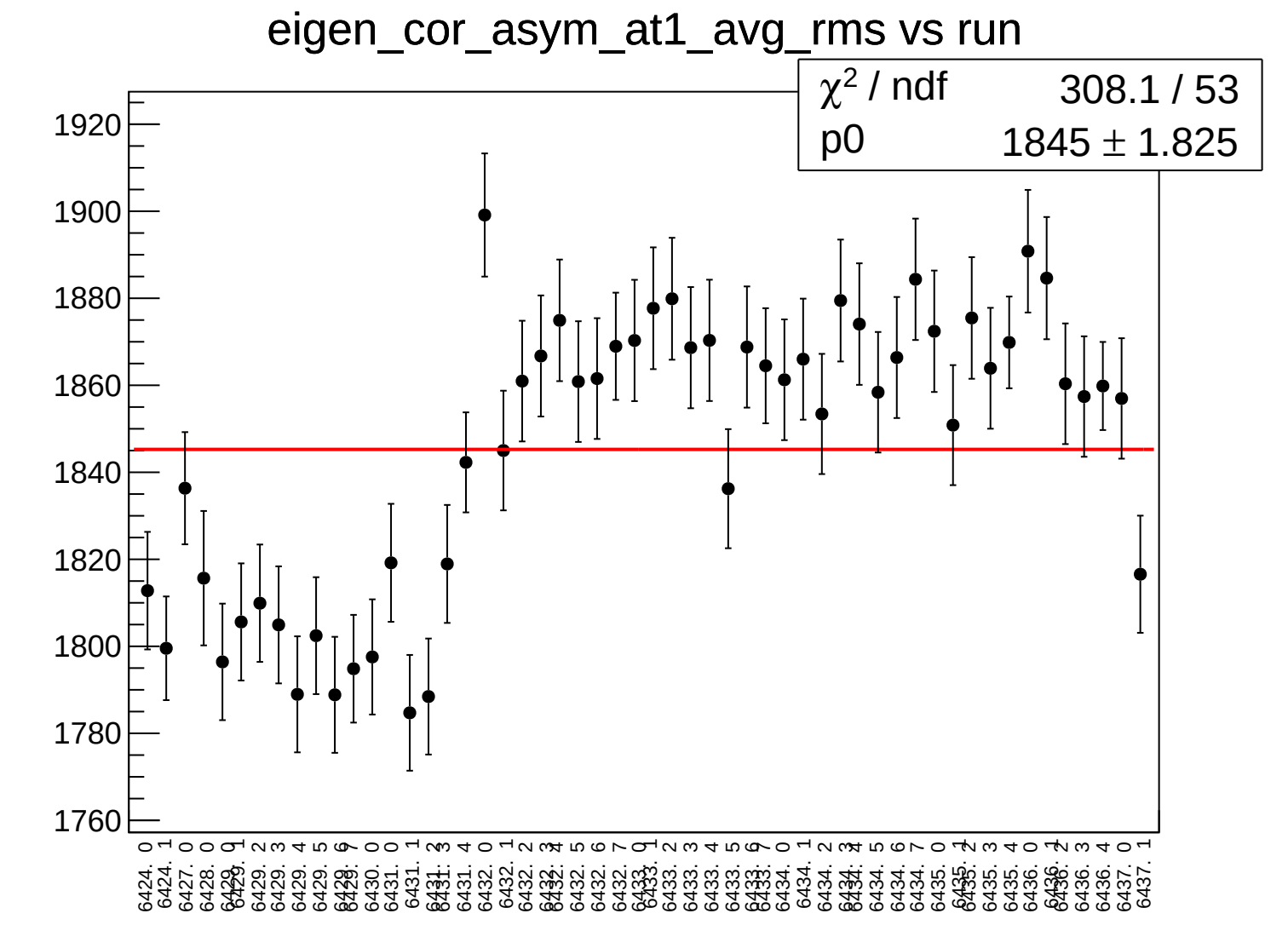

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 56.01 / 53
p0 −276.1± 1293
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 171.8
Std Dev 0
3
2
1
0
−1
−2

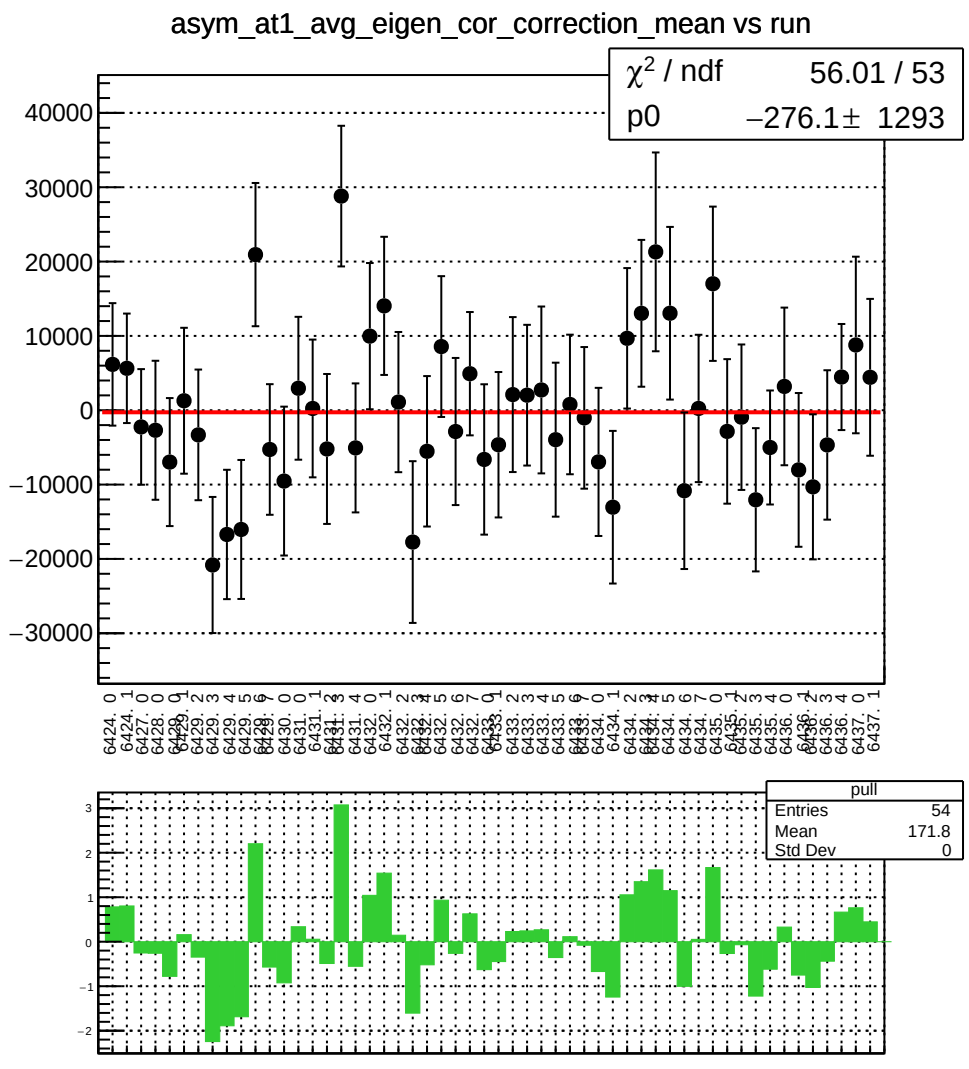

pull1D
Entries 54
Mean 0.008385
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

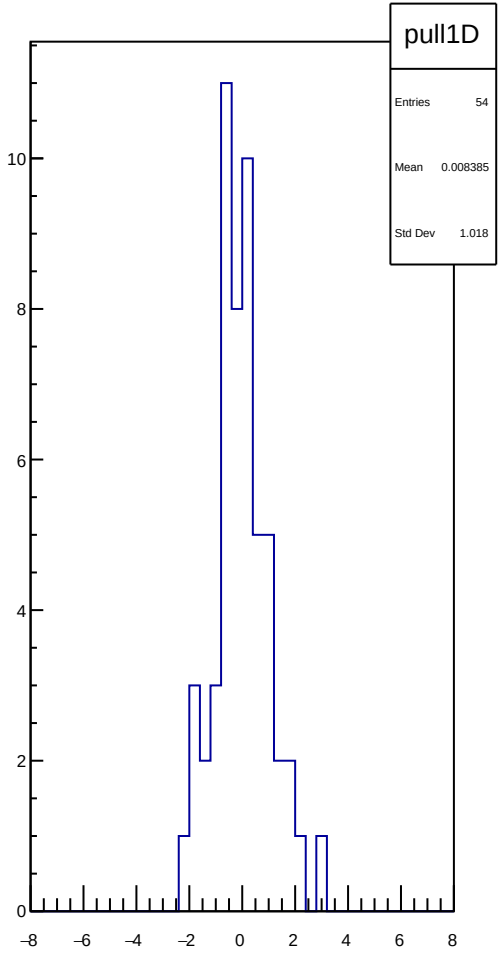

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 7428 / 53
p0 921.2 ± 0.9143
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

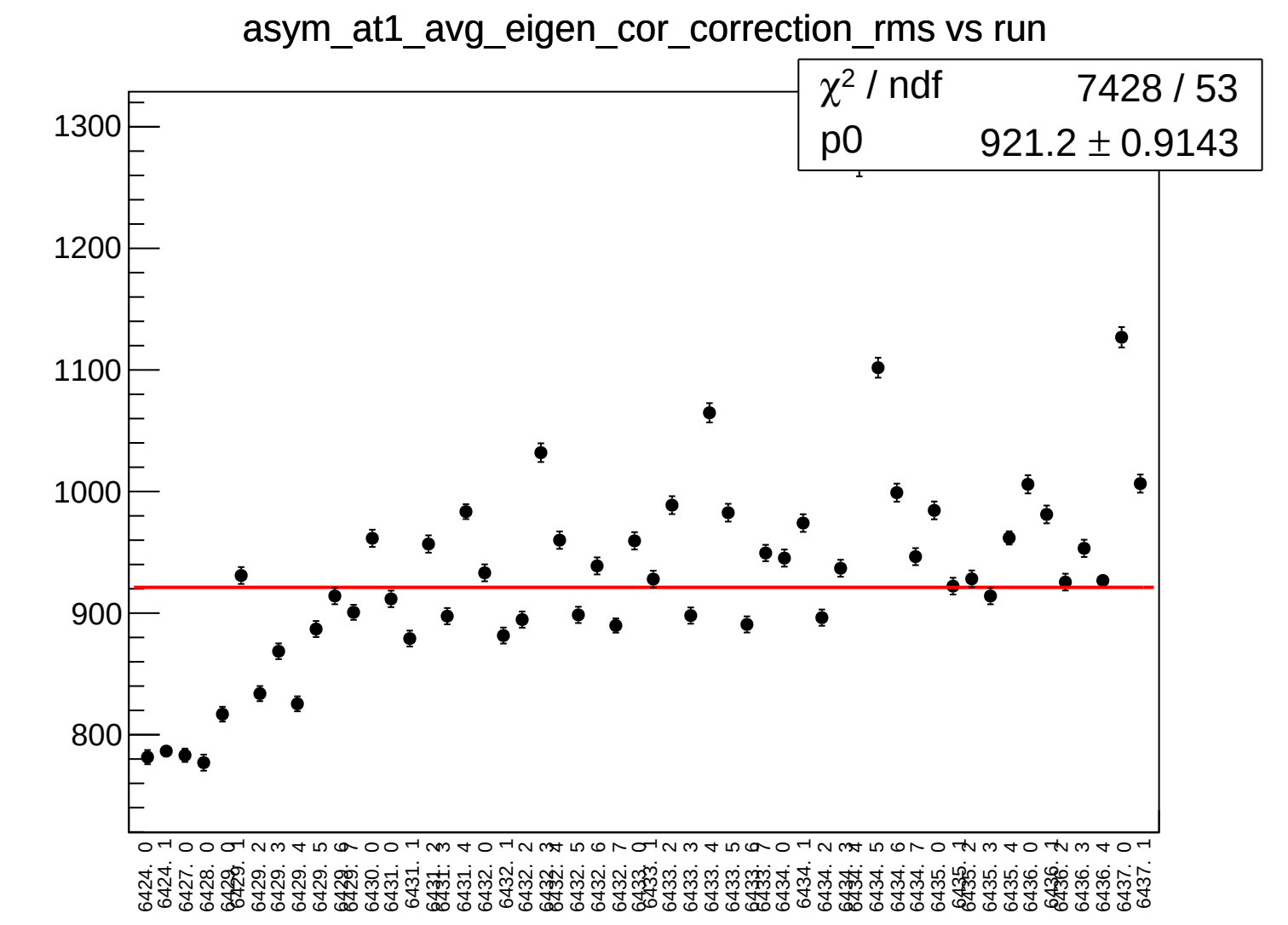

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 51.36 / 53
p0 −4620 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −704
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

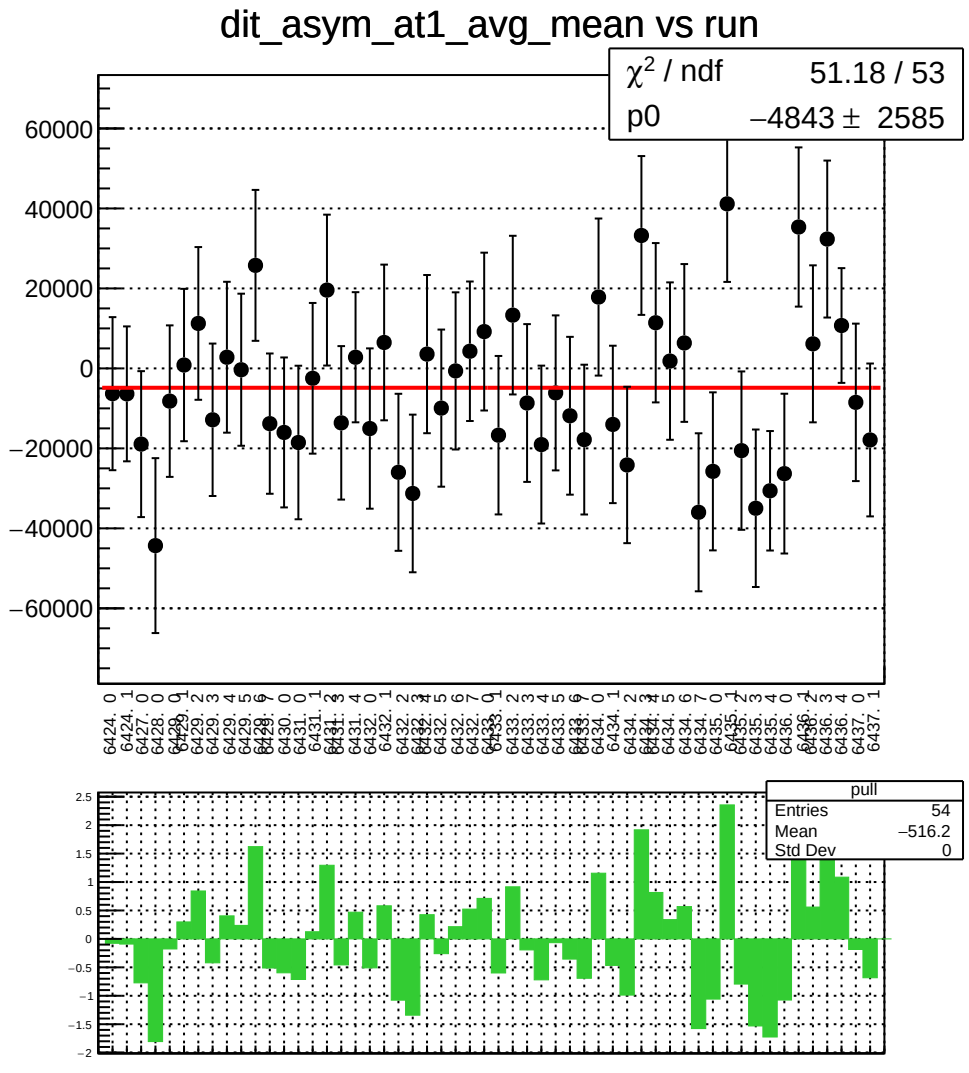

pull1D
Entries 54
Mean −0.001907
Std Dev 0.9752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

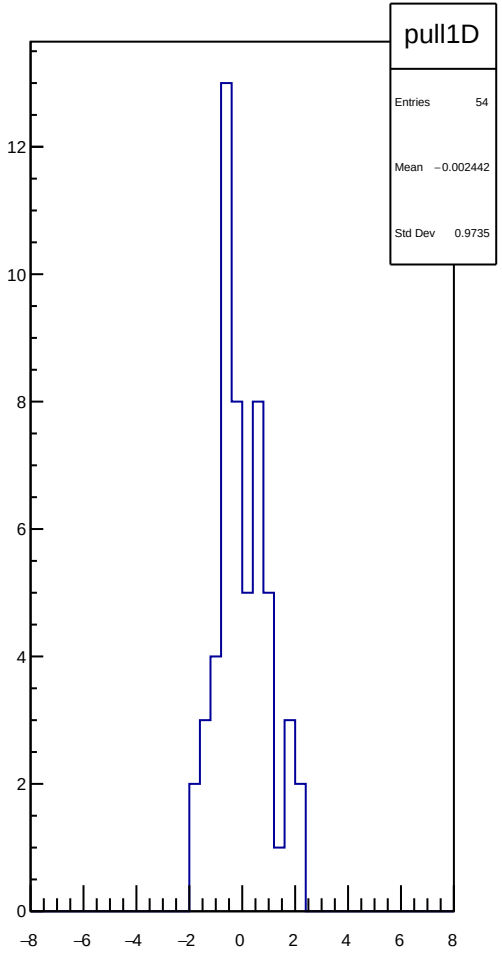

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 308.1 / 53
p0 1845 ± 1.825
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

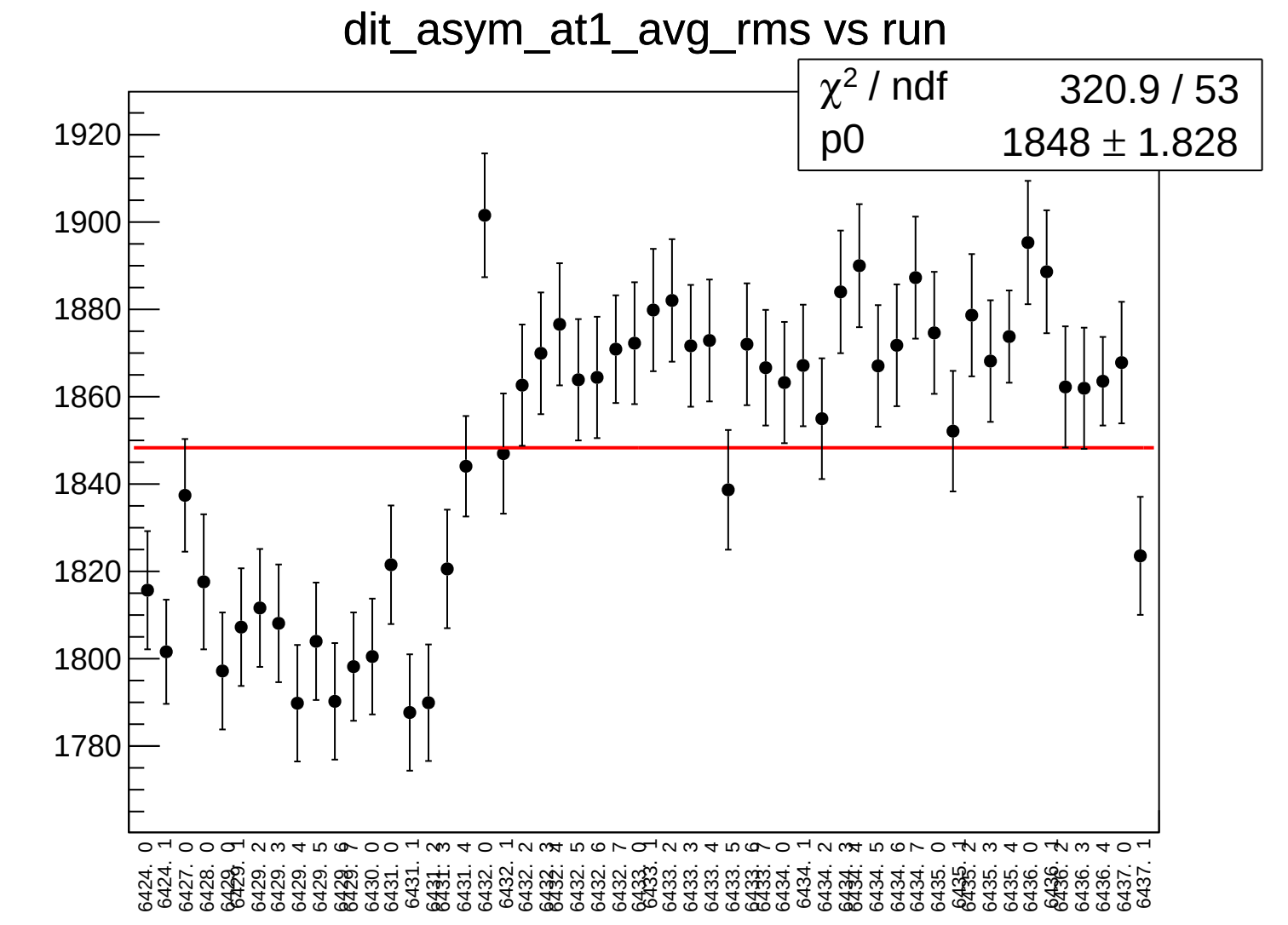

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.01 / 53
p0 −276.1± 1293
pull
Entries 54
Mean 171.8
Std Dev 0

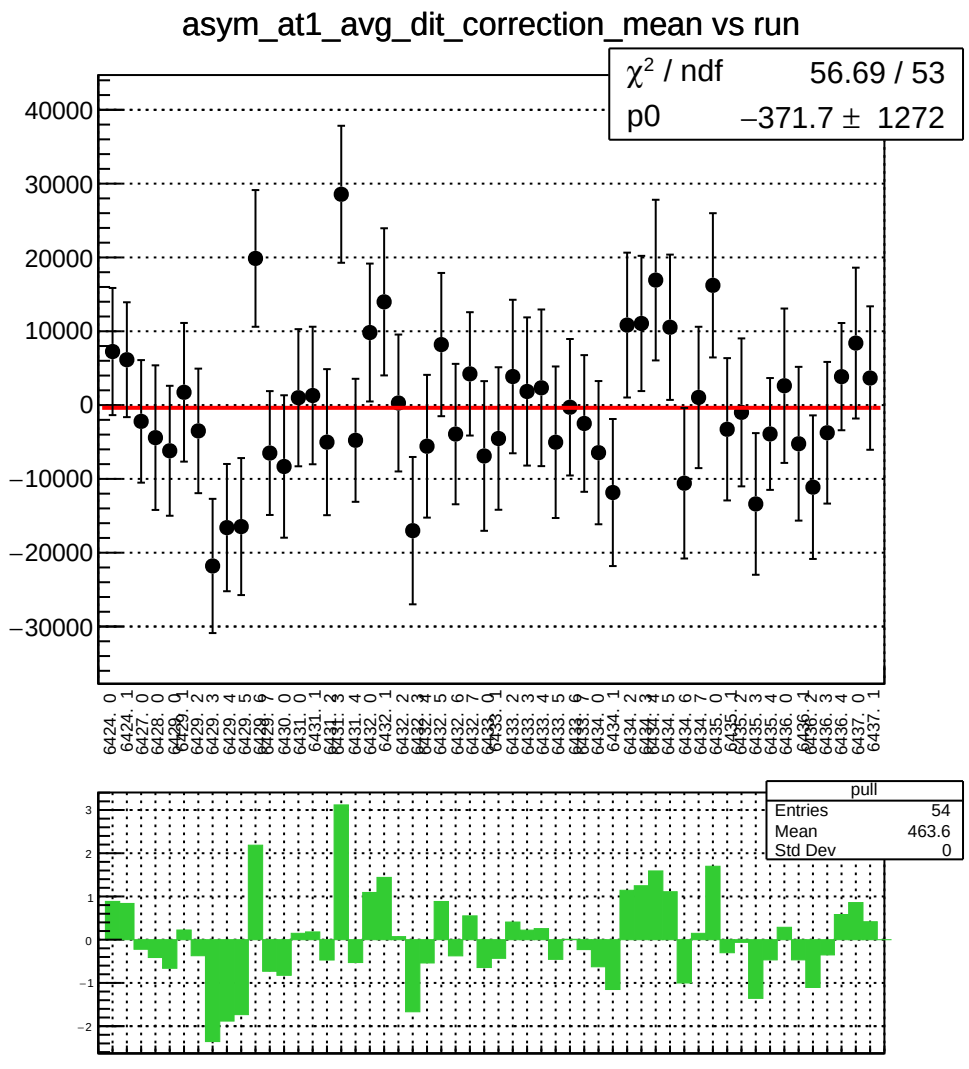

pull1D
Entries 54
Mean 0.008385
Std Dev 1.018

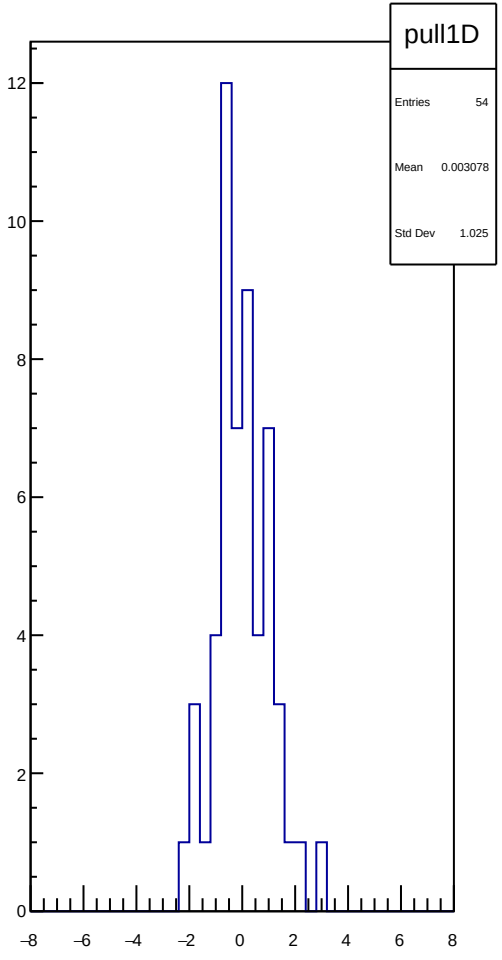

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 7428 / 53
p0 921.2 ± 0.9143
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

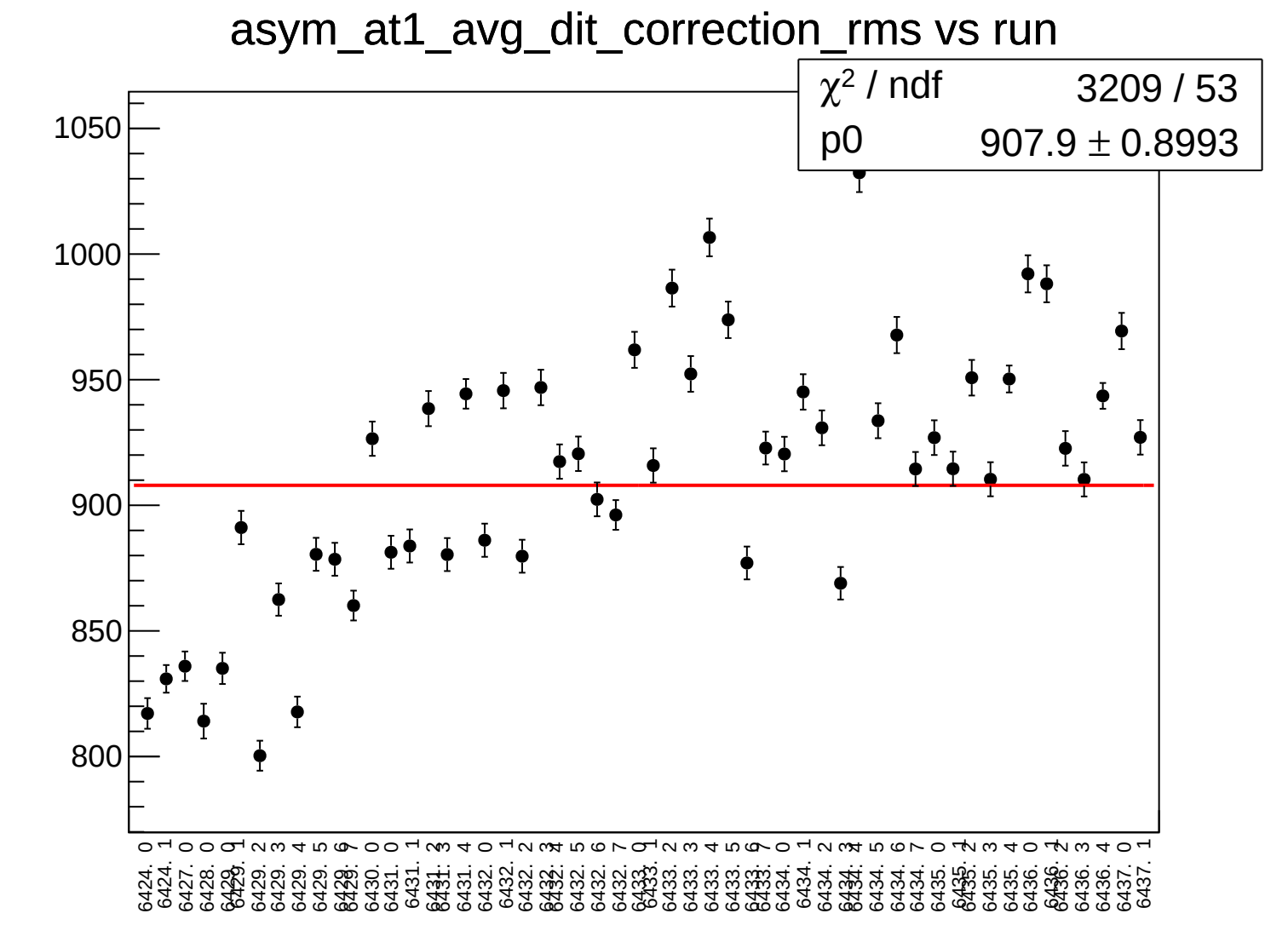

dit_asym_at1_avg_mean vs run
χ² / ndf 51.18 / 53
p0 −4843 ± 2585
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −516.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

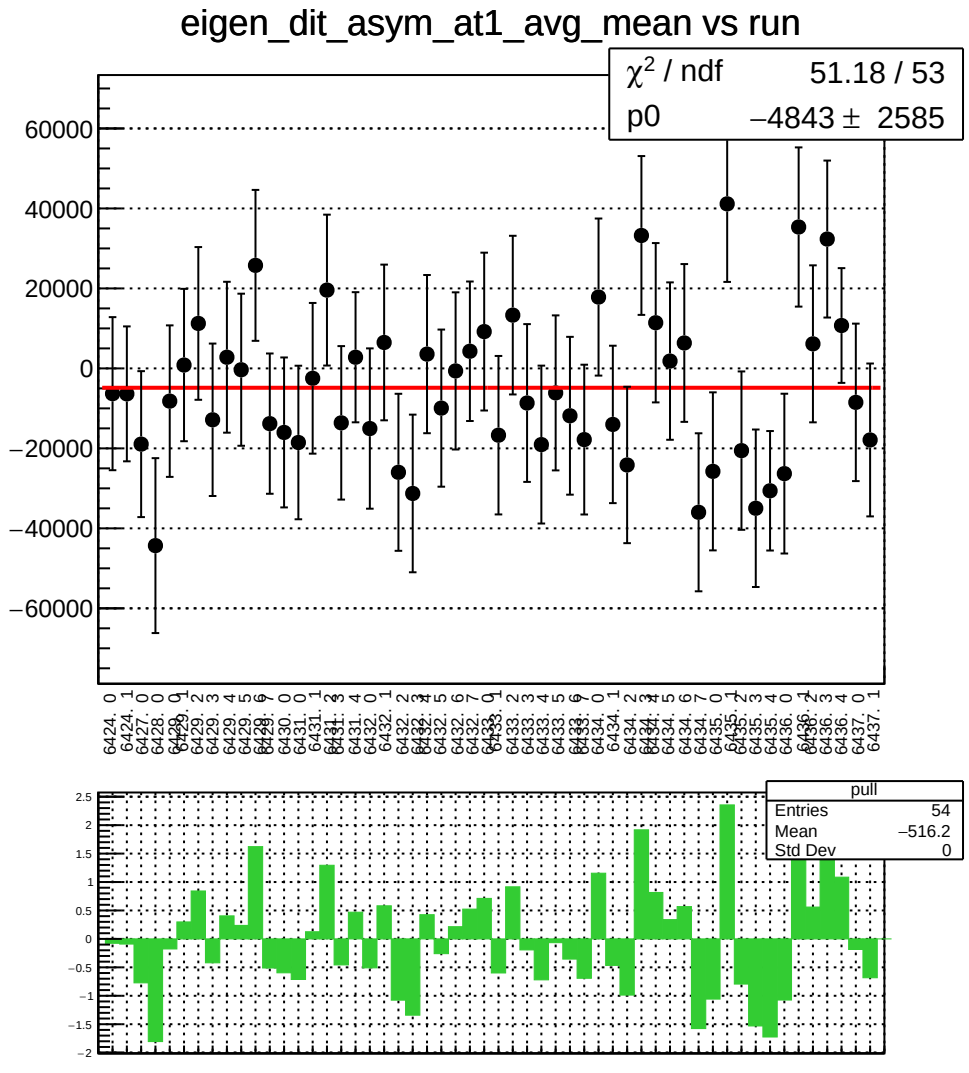

pull1D
Entries 54
Mean −0.002442
Std Dev 0.9735
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

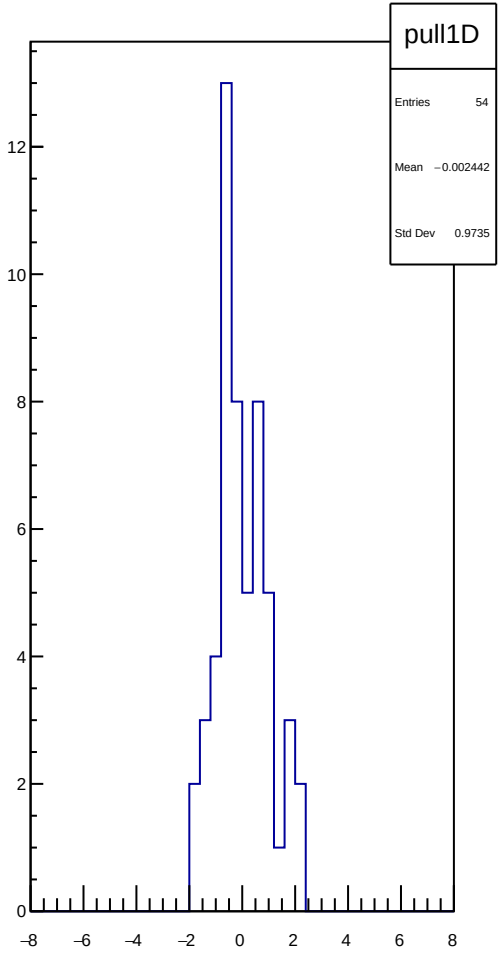

dit_asym_at1_avg_rms vs run
χ² / ndf 320.9 / 53
p0 1848 ± 1.828
1920
1900
1880
1860
1840
1820
1800
1780
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

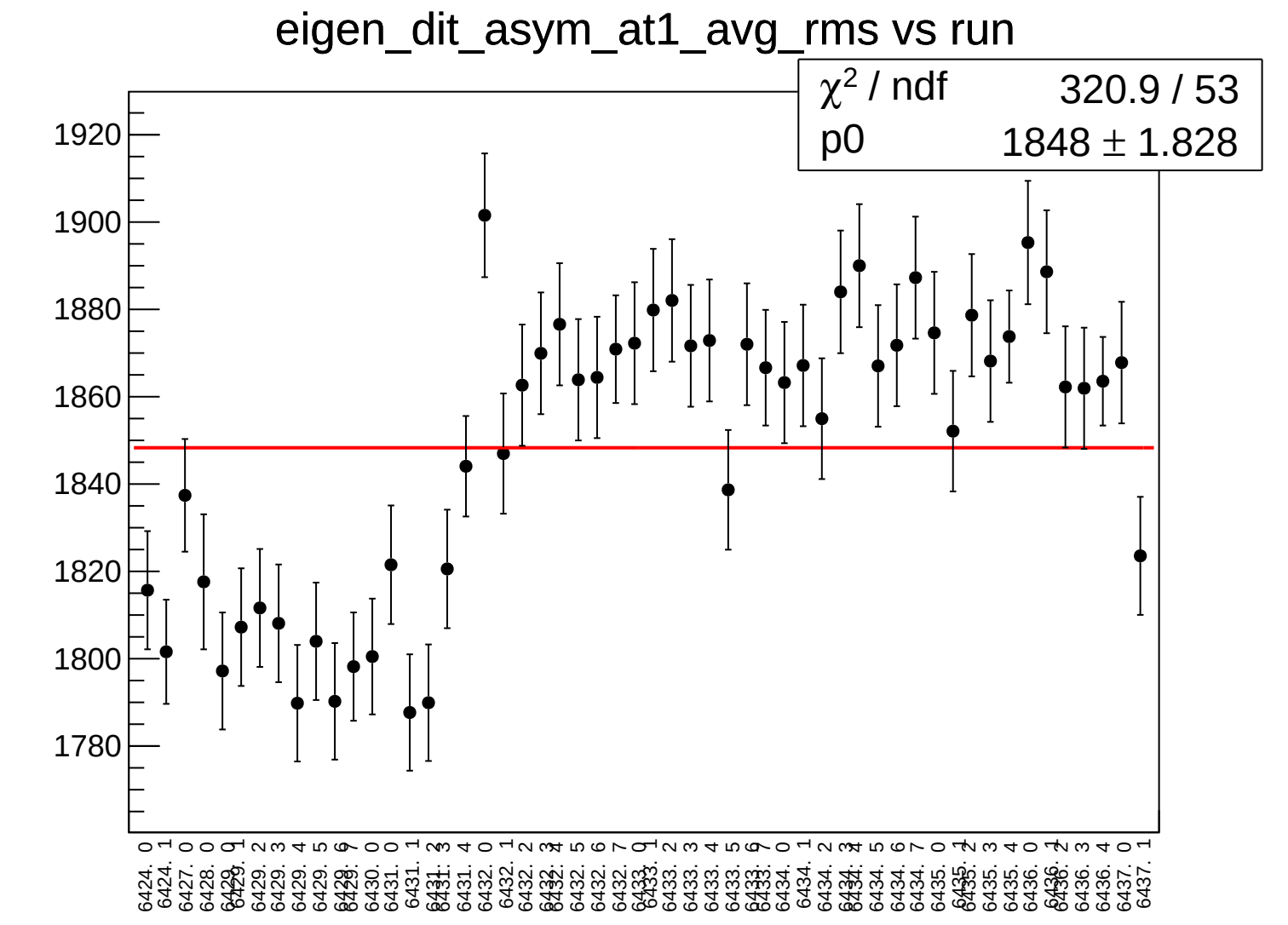

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 56.69 / 53
p0 −371.7 ± 1272
pull
Entries 54
Mean 463.6
Std Dev 0

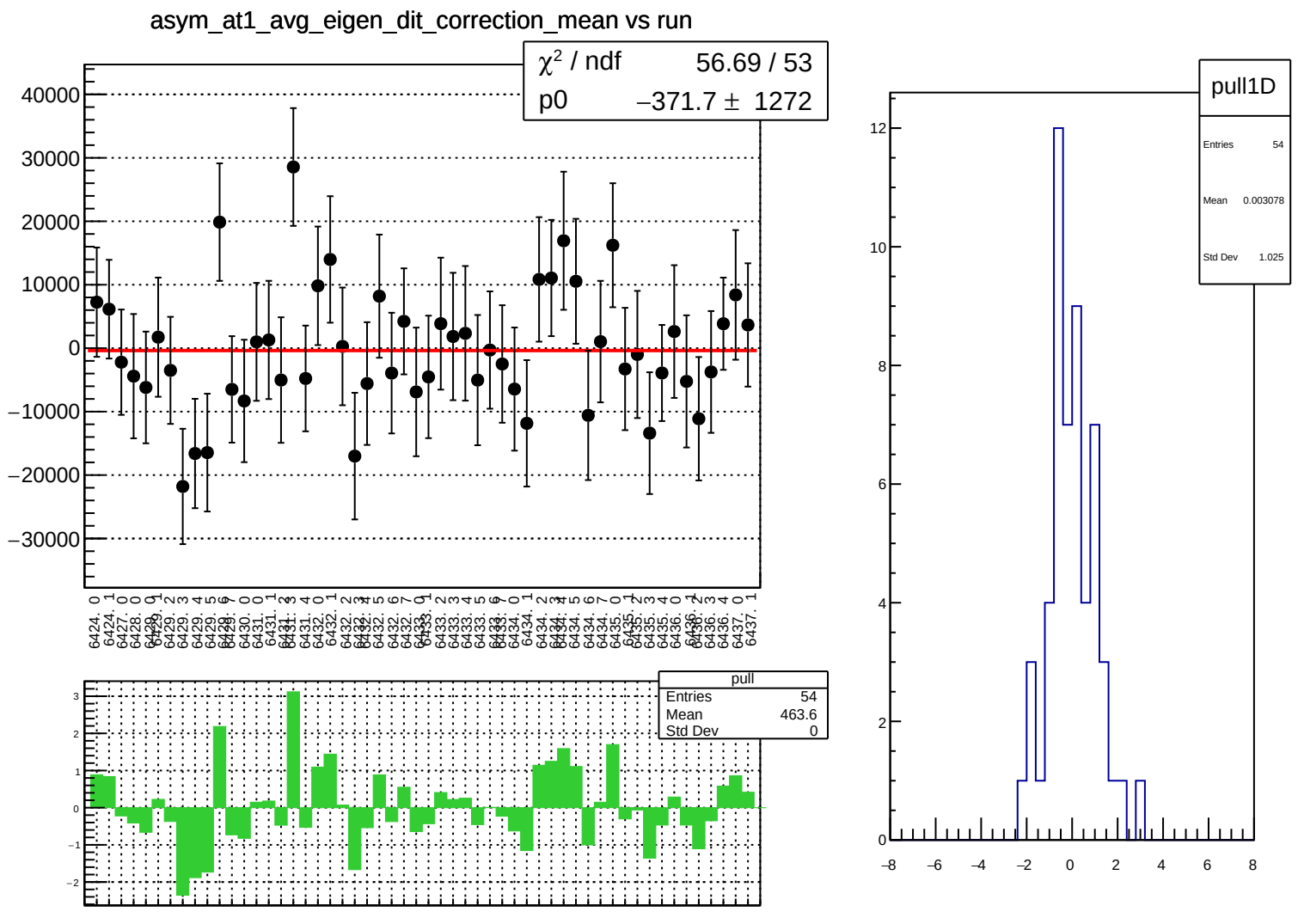

pull1D
Entries 54
Mean 0.003078
Std Dev 1.025

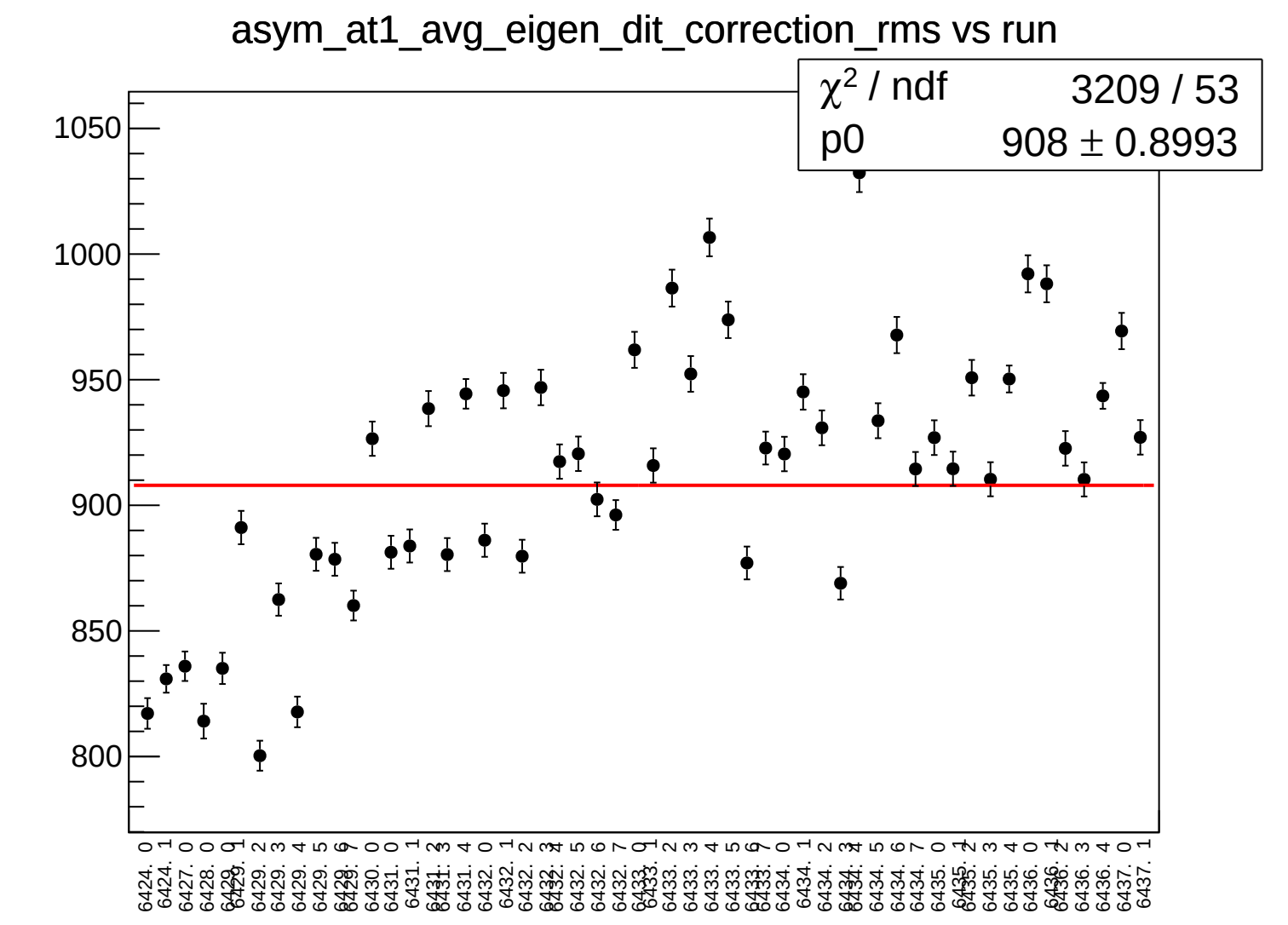

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 3209 / 53
p0 907.9 ± 0.8993
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

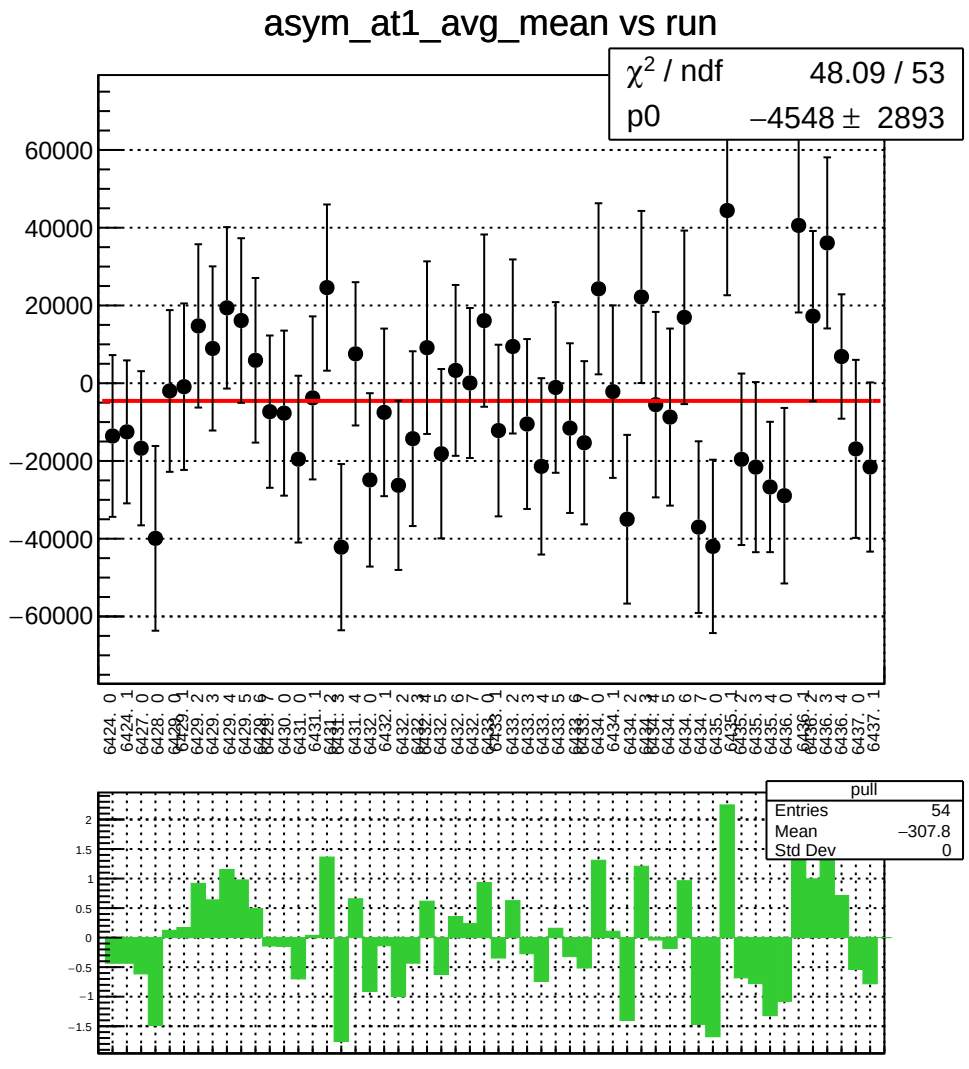

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 51.18 / 53
p0 −4843 ± 2585
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −516.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

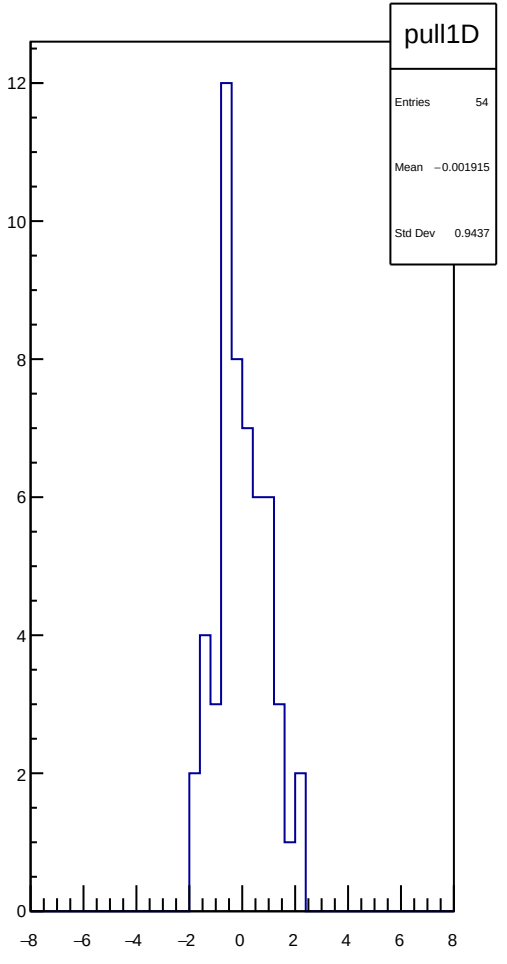

pull1D
Entries 54
Mean −0.002442
Std Dev 0.9735
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

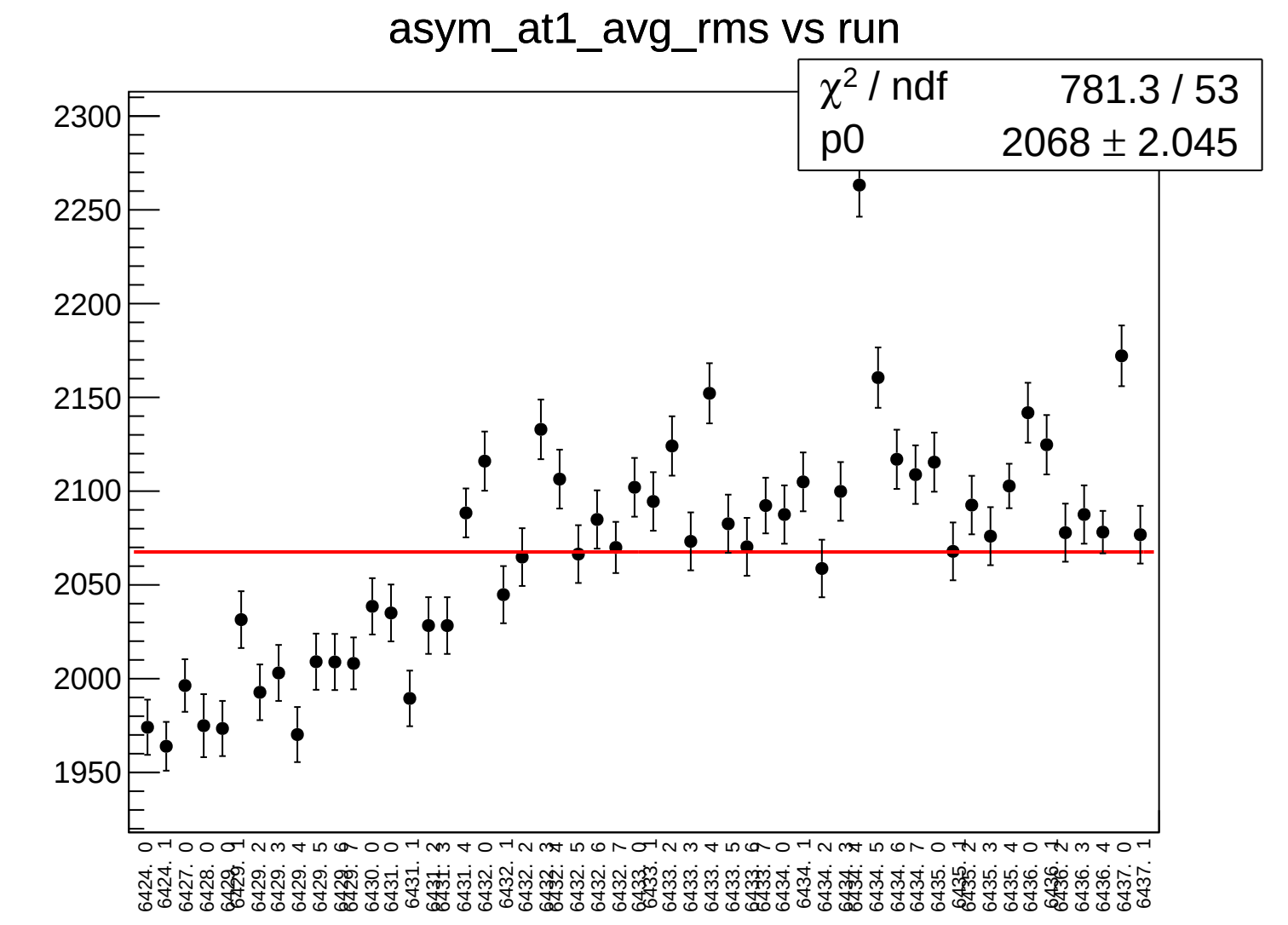

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 320.9 / 53
p0 1848 ± 1.828
1920
1900
1880
1860
1840
1820
1800
1780
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

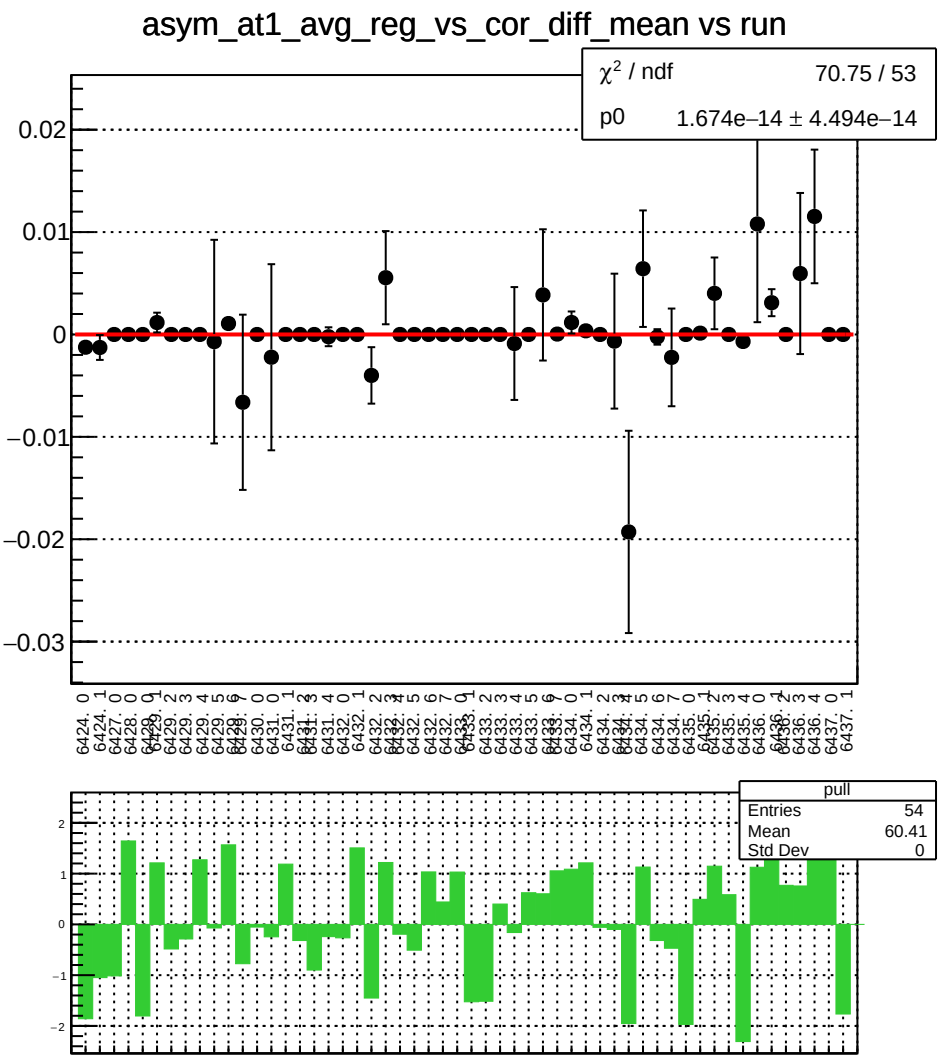

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.69 / 53
p0 −371.7 ± 1272
pull
Entries 54
Mean 463.6
Std Dev 0
pull1D
Entries 54
Mean 0.003078
Std Dev 1.025

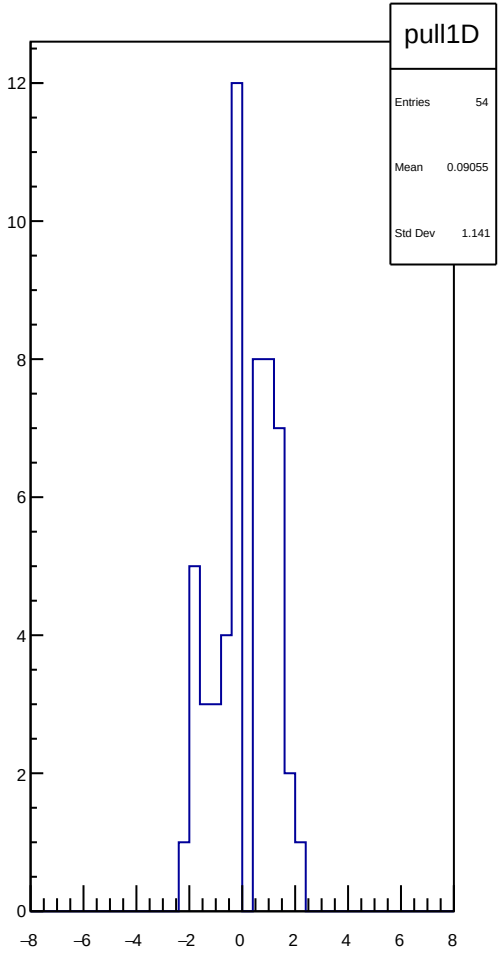

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3209 / 53
p0 908 ± 0.8993
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

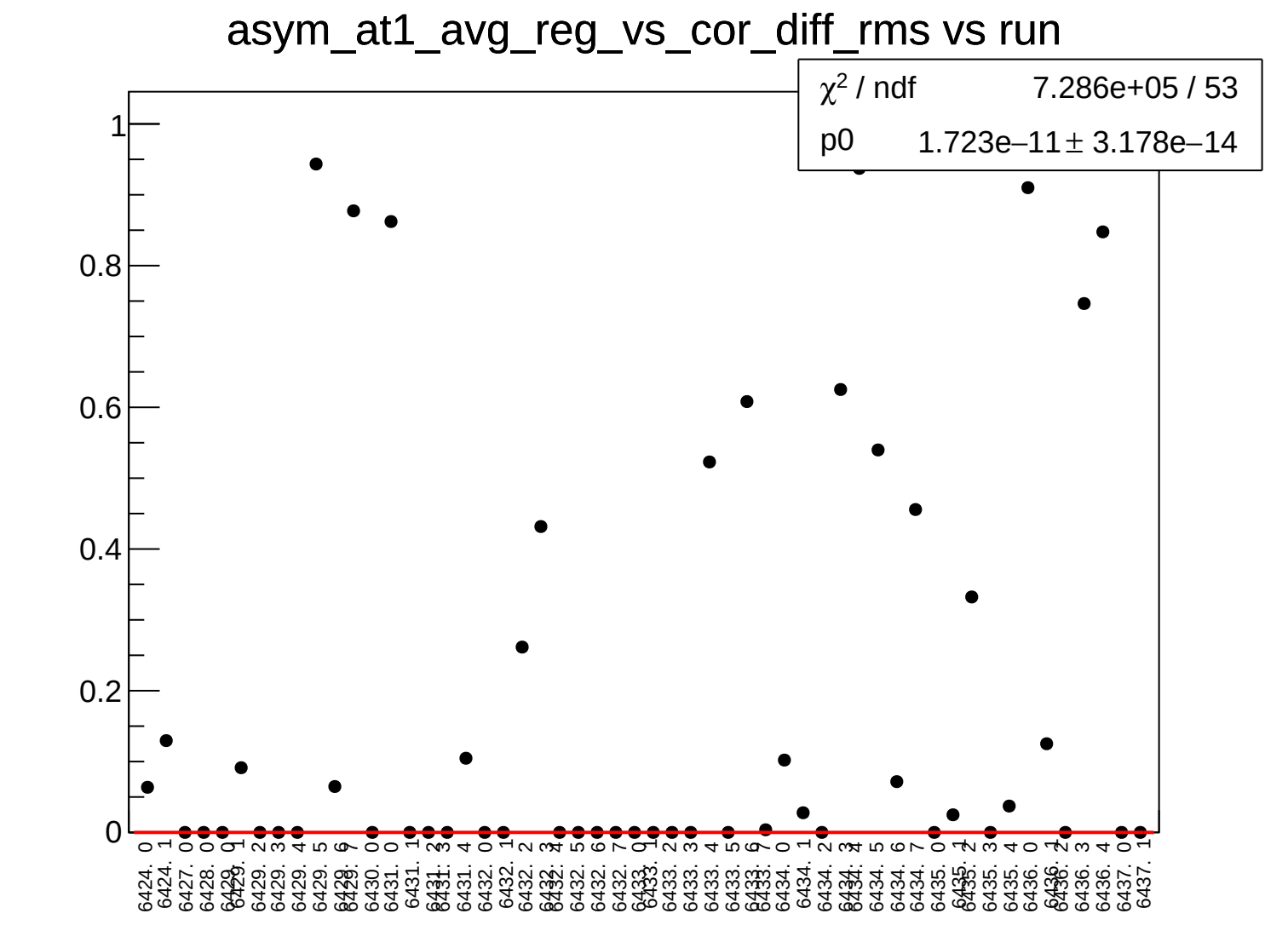

asym_at1_avg_mean vs run
χ² / ndf 48.09 / 53
p0 −4548 ± 2893
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −307.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

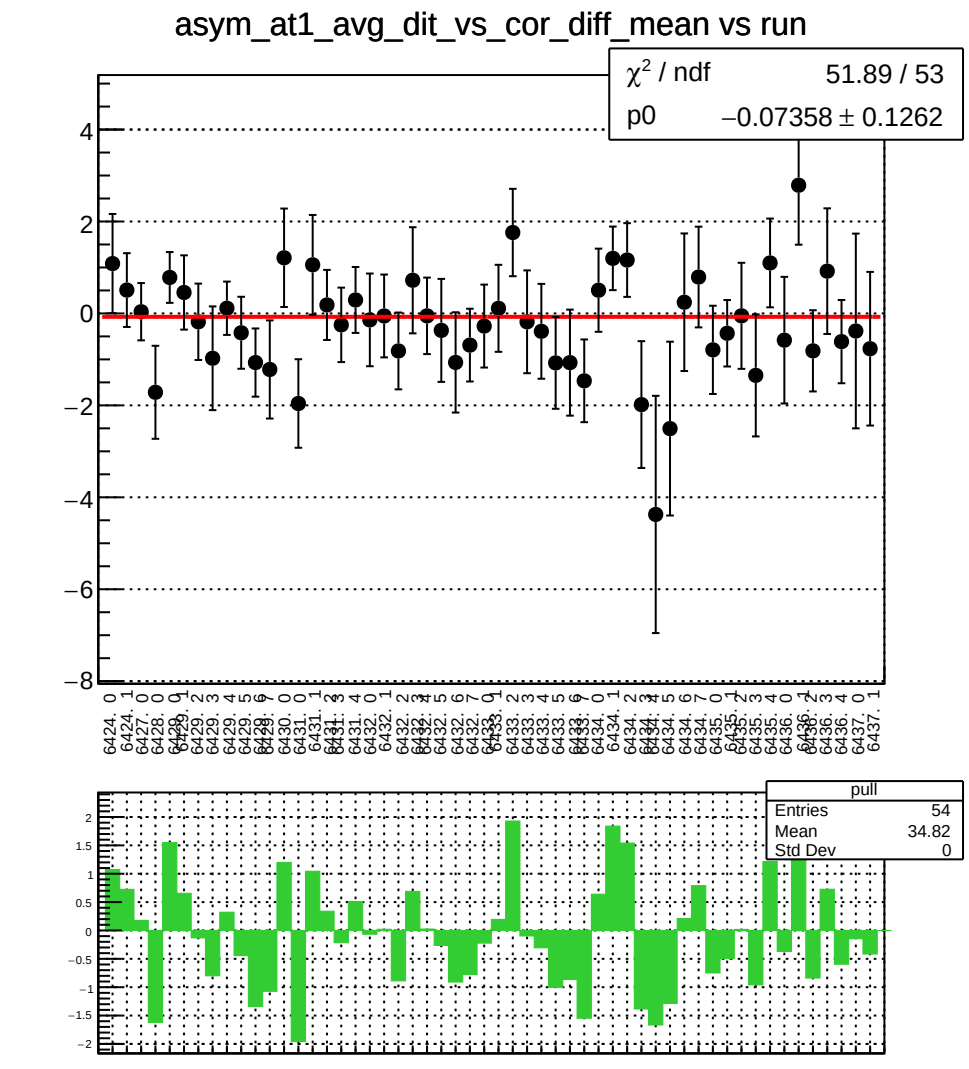

pull1D
Entries 54
Mean −0.001915
Std Dev 0.9437
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

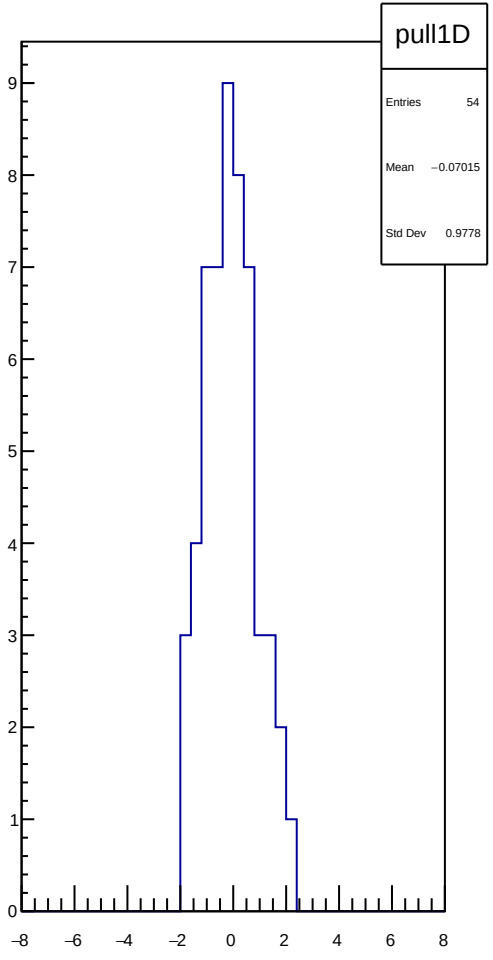

asym_at1_avg_rms vs run
χ^2 / ndf 781.3 / 53
p0 2068 ± 2.045
2300
2250
2200
2150
2100
2050
2000
1950
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

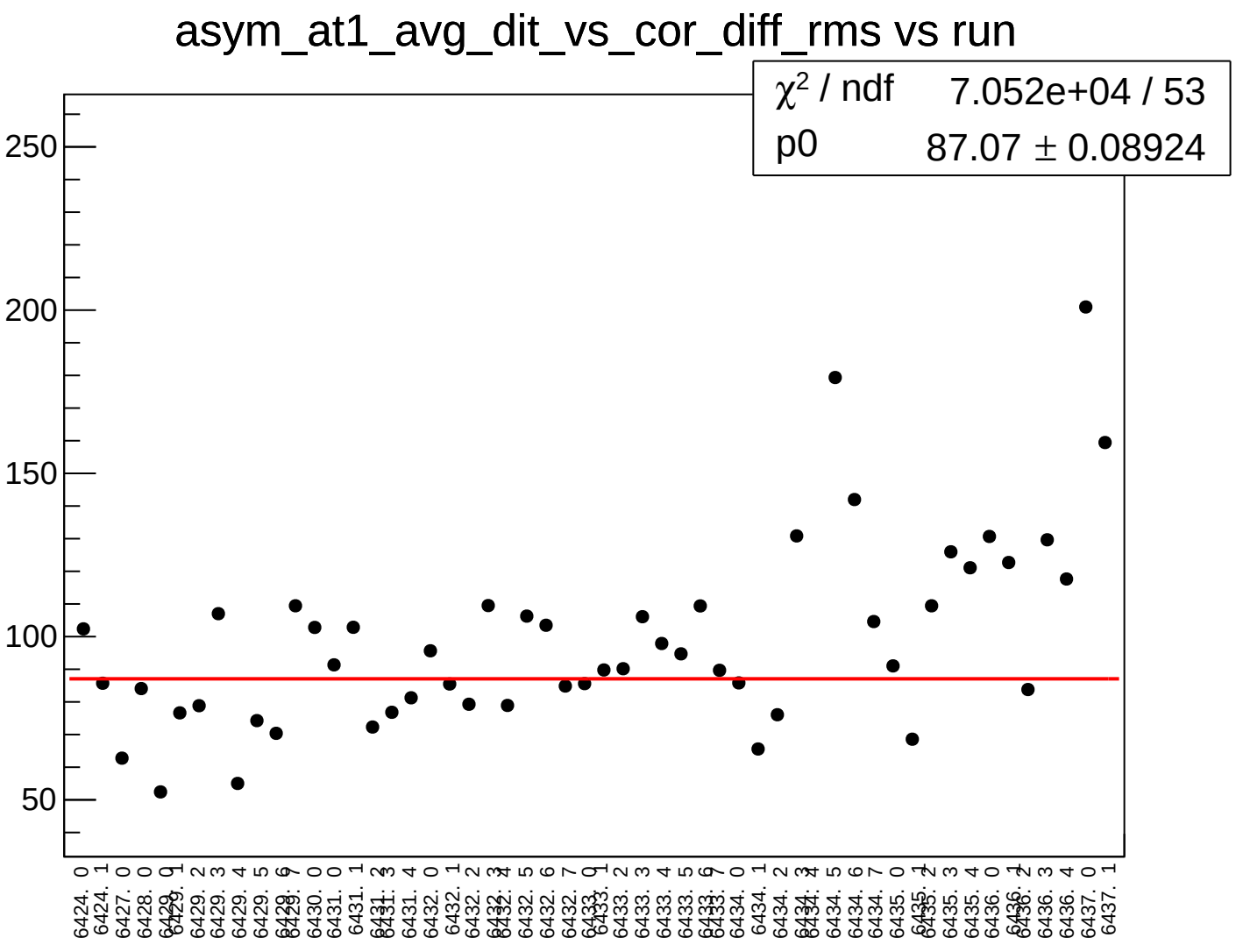

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.75 / 53
p0 1.674e−14 ± 4.494e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean 60.41
Std Dev 0
2
1
0
−1
−2

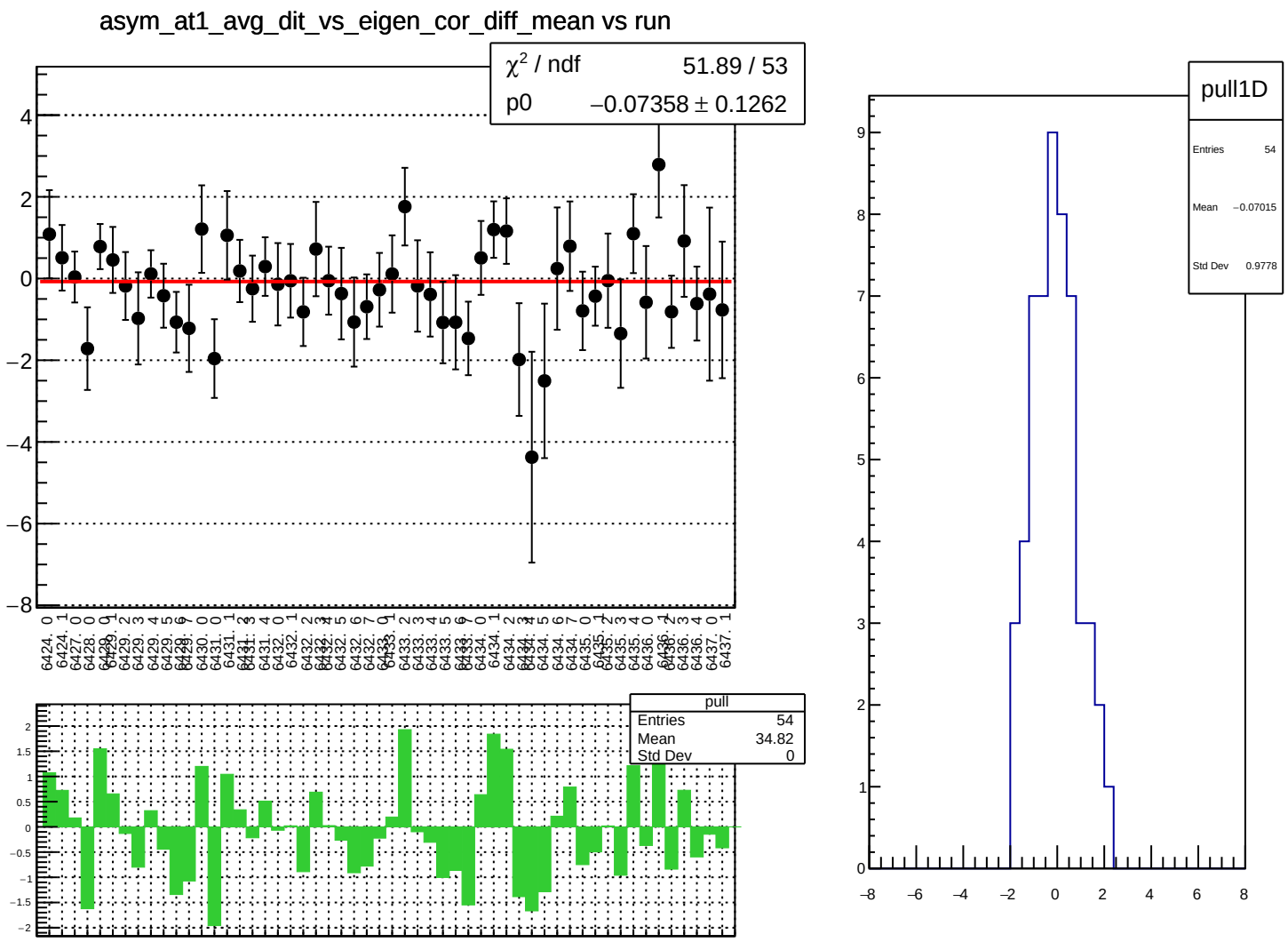

pull1D
Entries 54
Mean 0.09055
Std Dev 1.141
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

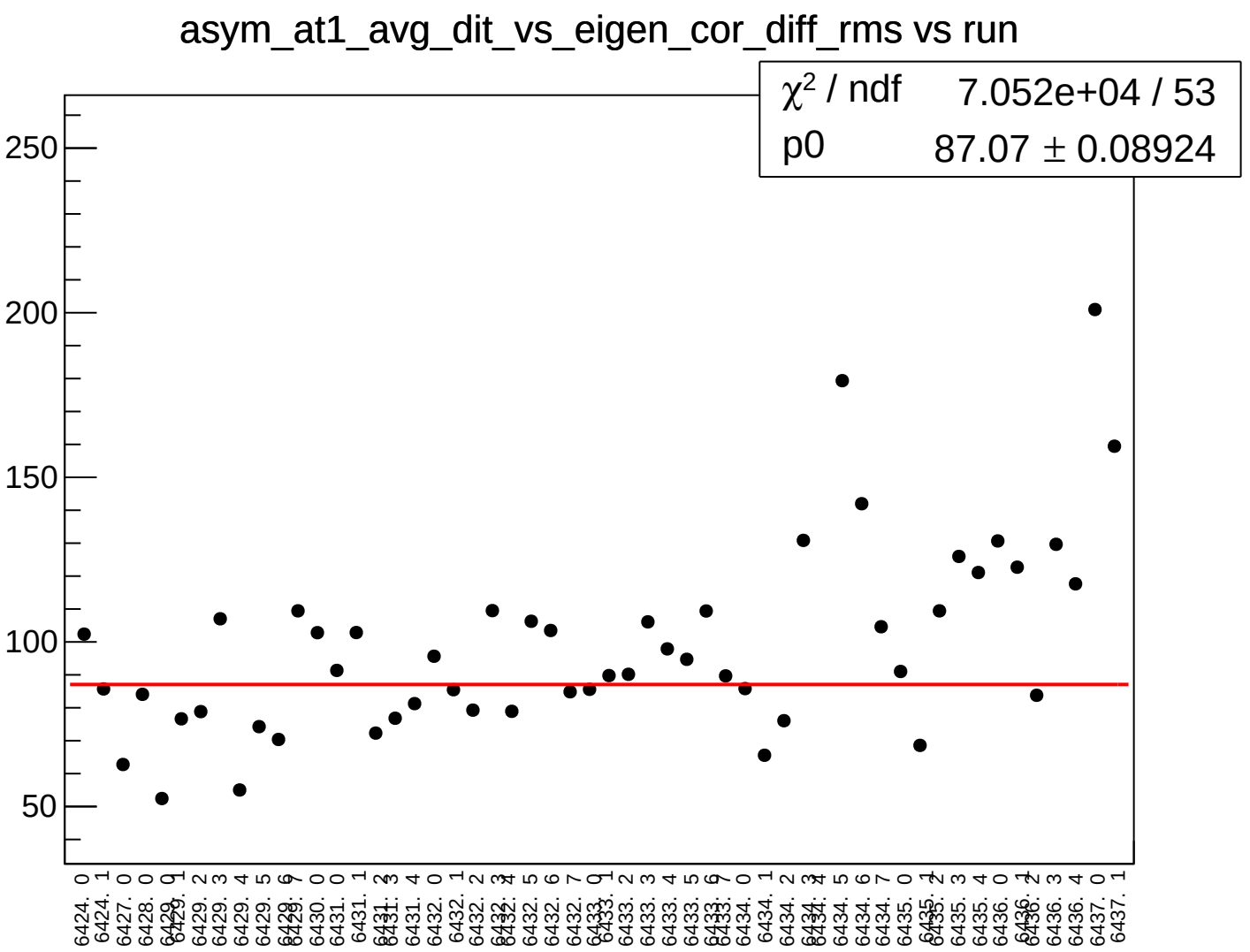

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.286e+05 / 53
p0 1.723e−11 ± 3.178e−14
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

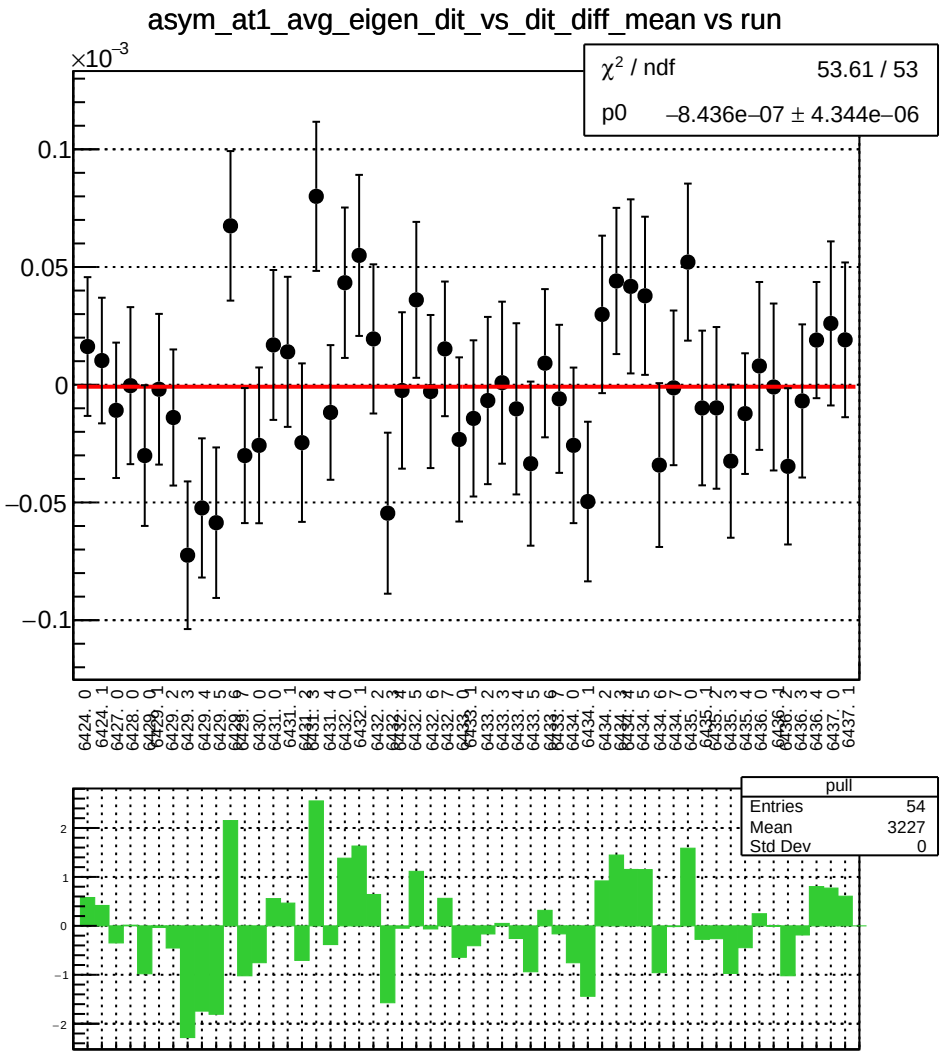

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 −0.07358 ± 0.1262
pull
Entries 54
Mean 34.82
Std Dev 0

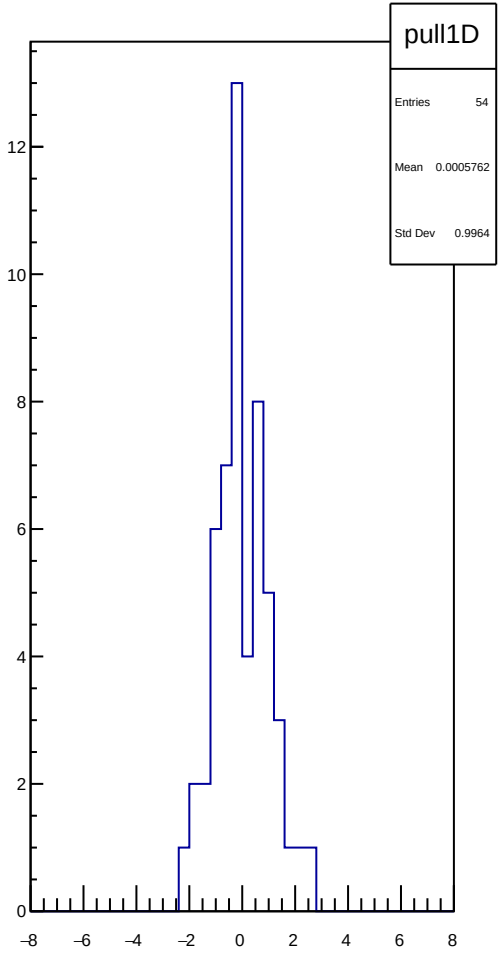

pull1D
Entries 54
Mean −0.07015
Std Dev 0.9778

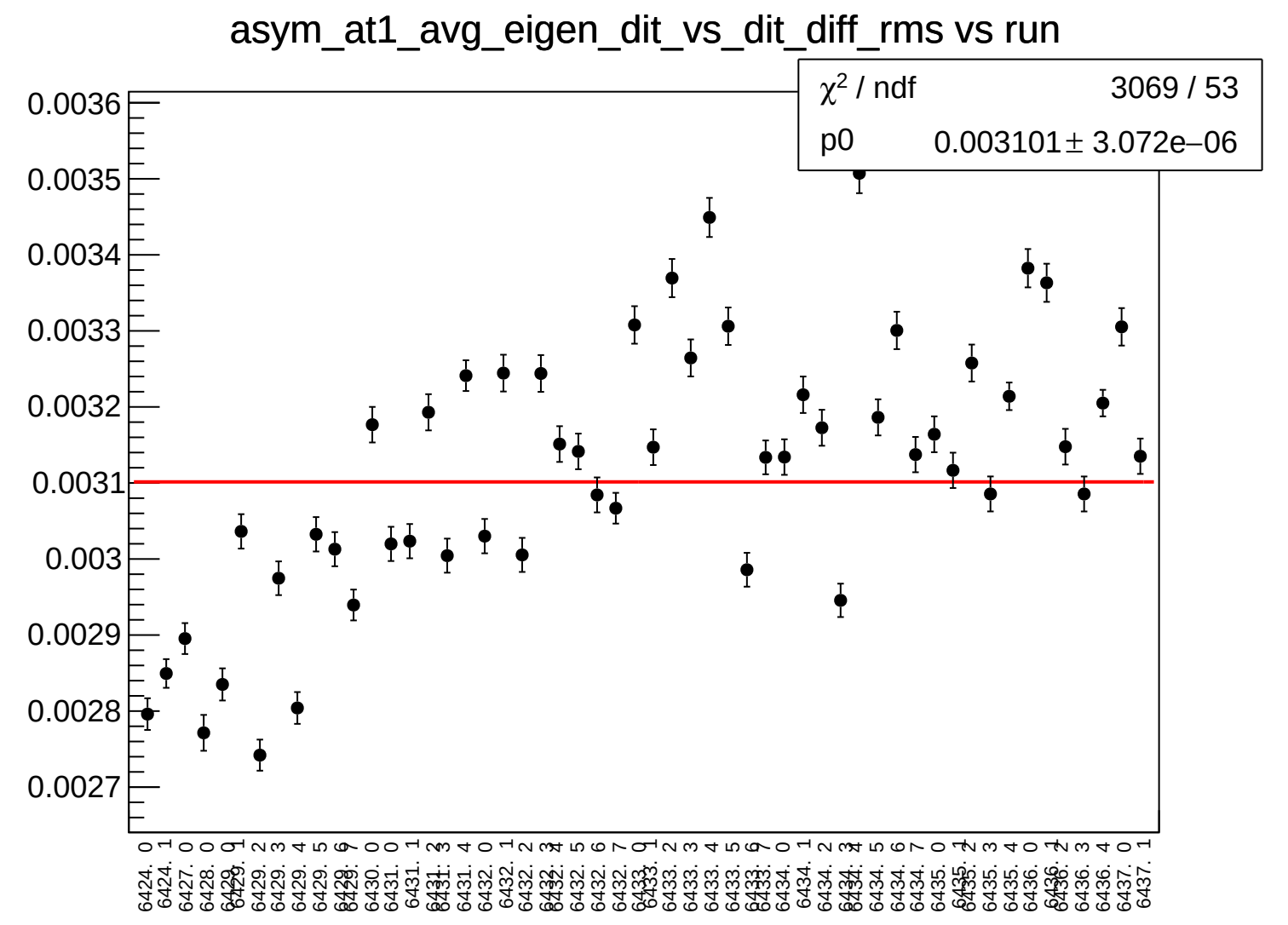

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.052e+04 / 53
p0 87.07 ± 0.08924
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

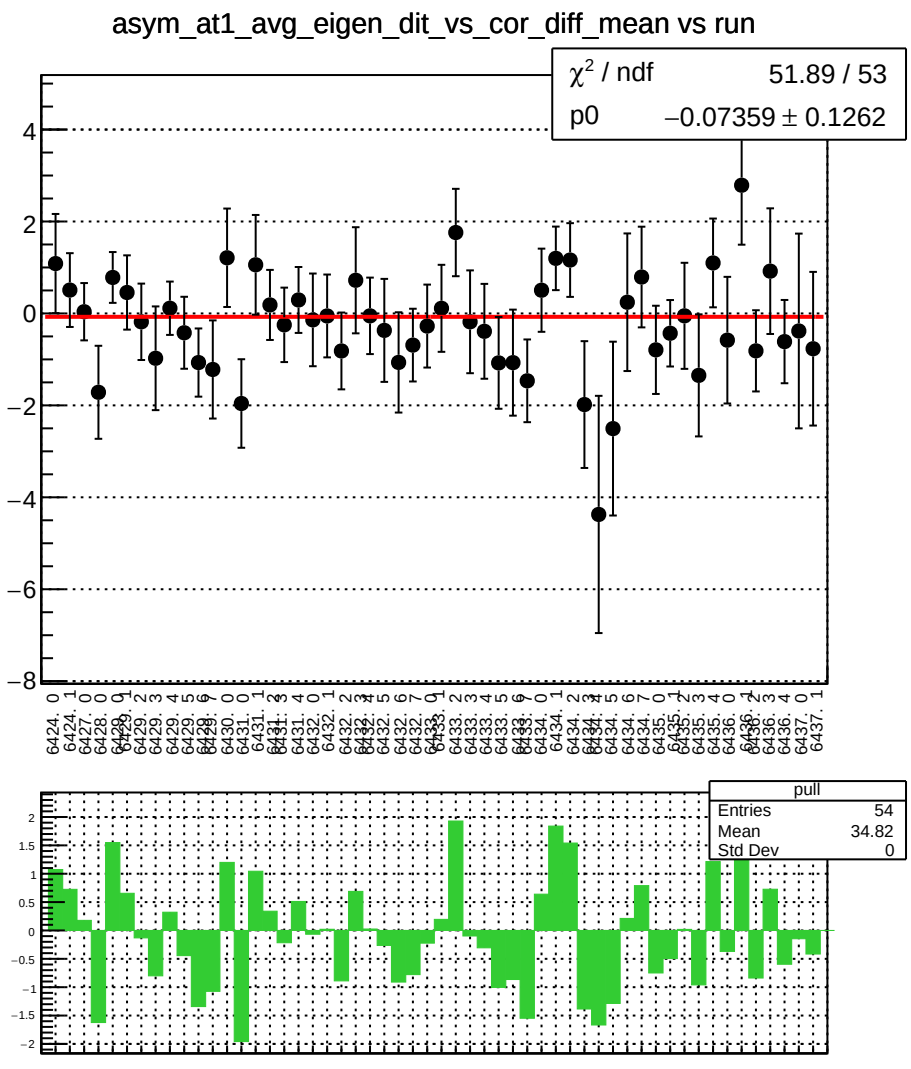

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 −0.07358 ± 0.1262
pull
Entries 54
Mean 34.82
Std Dev 0
pull1D
Entries 54
Mean −0.07015
Std Dev 0.9778

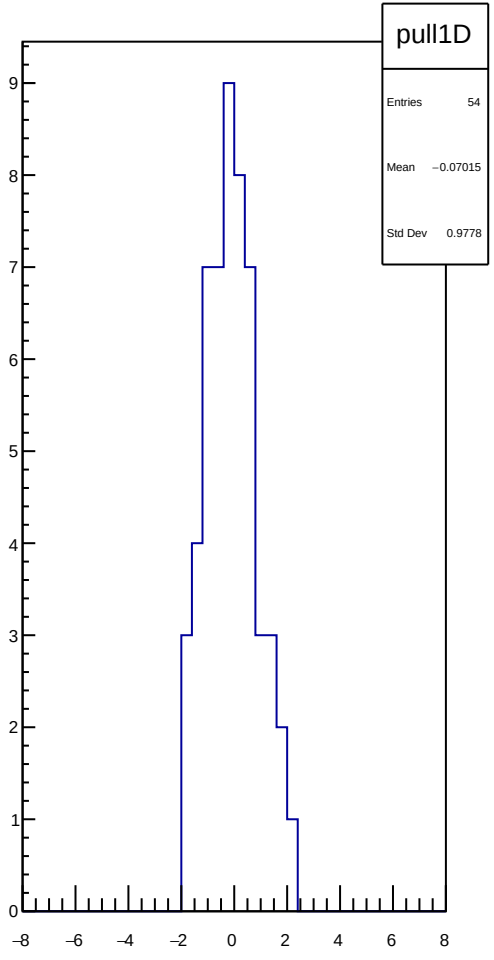

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.052e+04 / 53
p0 87.07 ± 0.08924
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

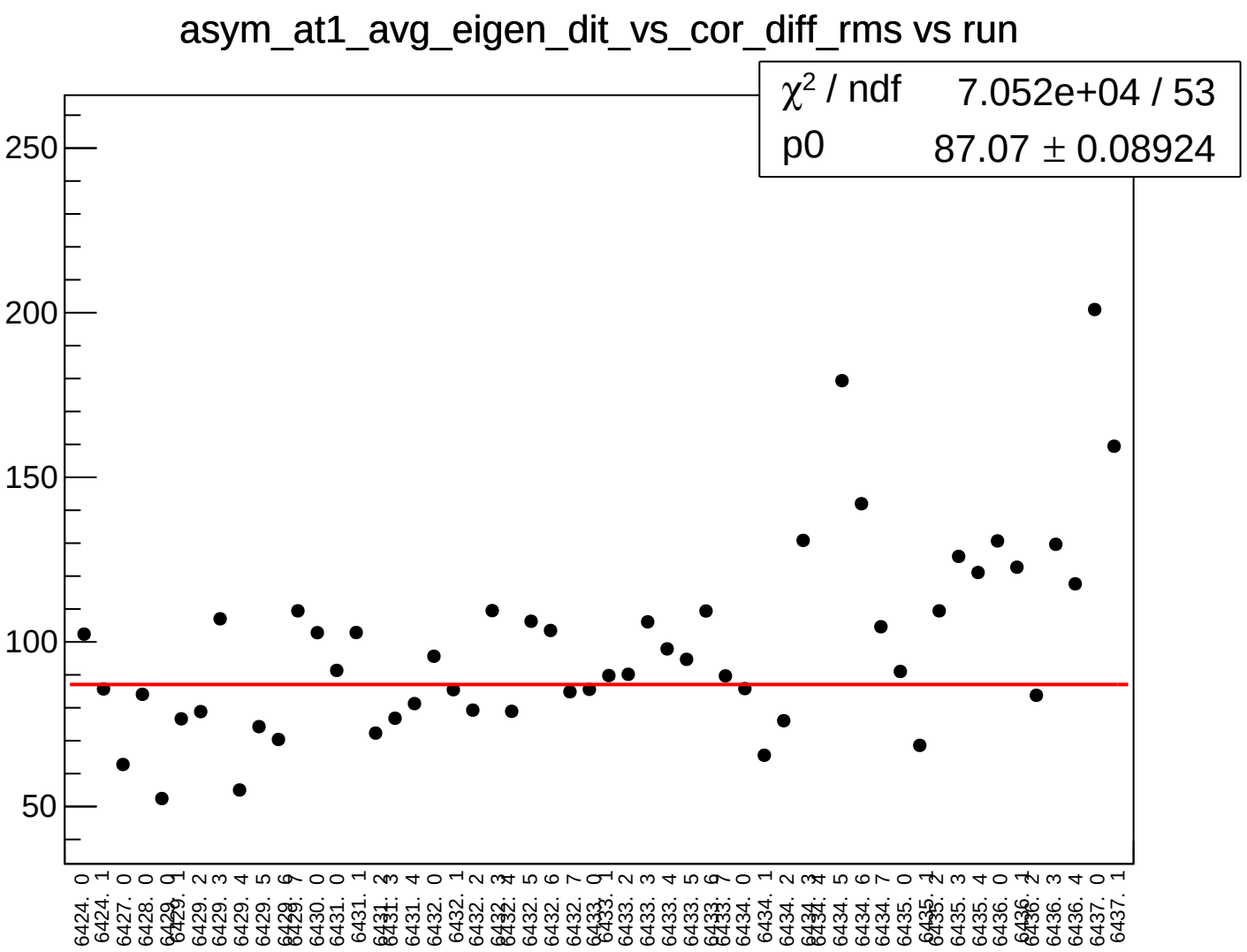

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.61 / 53
p0 −8.436e−07 ± 4.344e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 3227
Std Dev 0
2
1
0
−1
−2

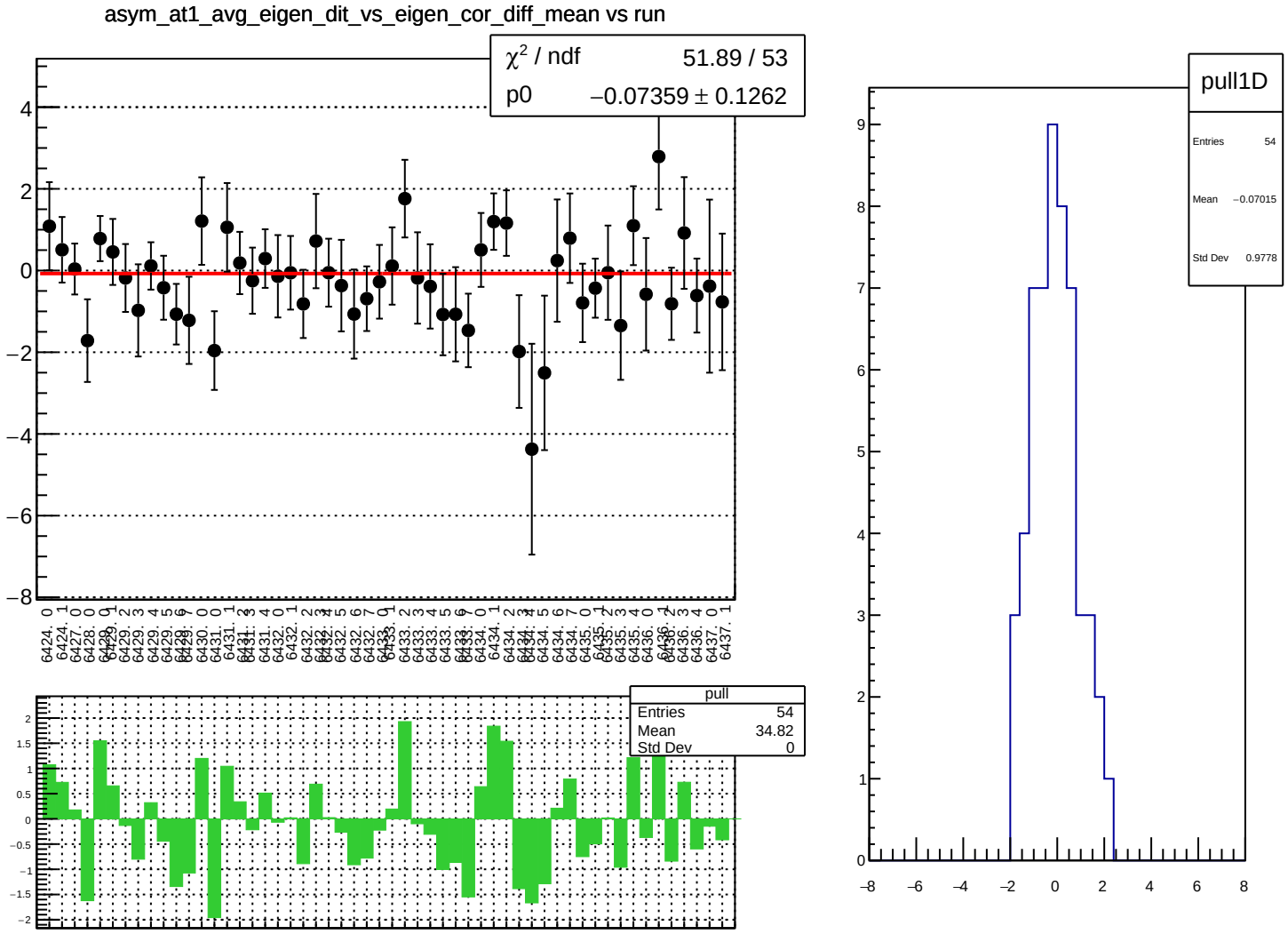

pull1D
Entries 54
Mean 0.0005762
Std Dev 0.9964
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

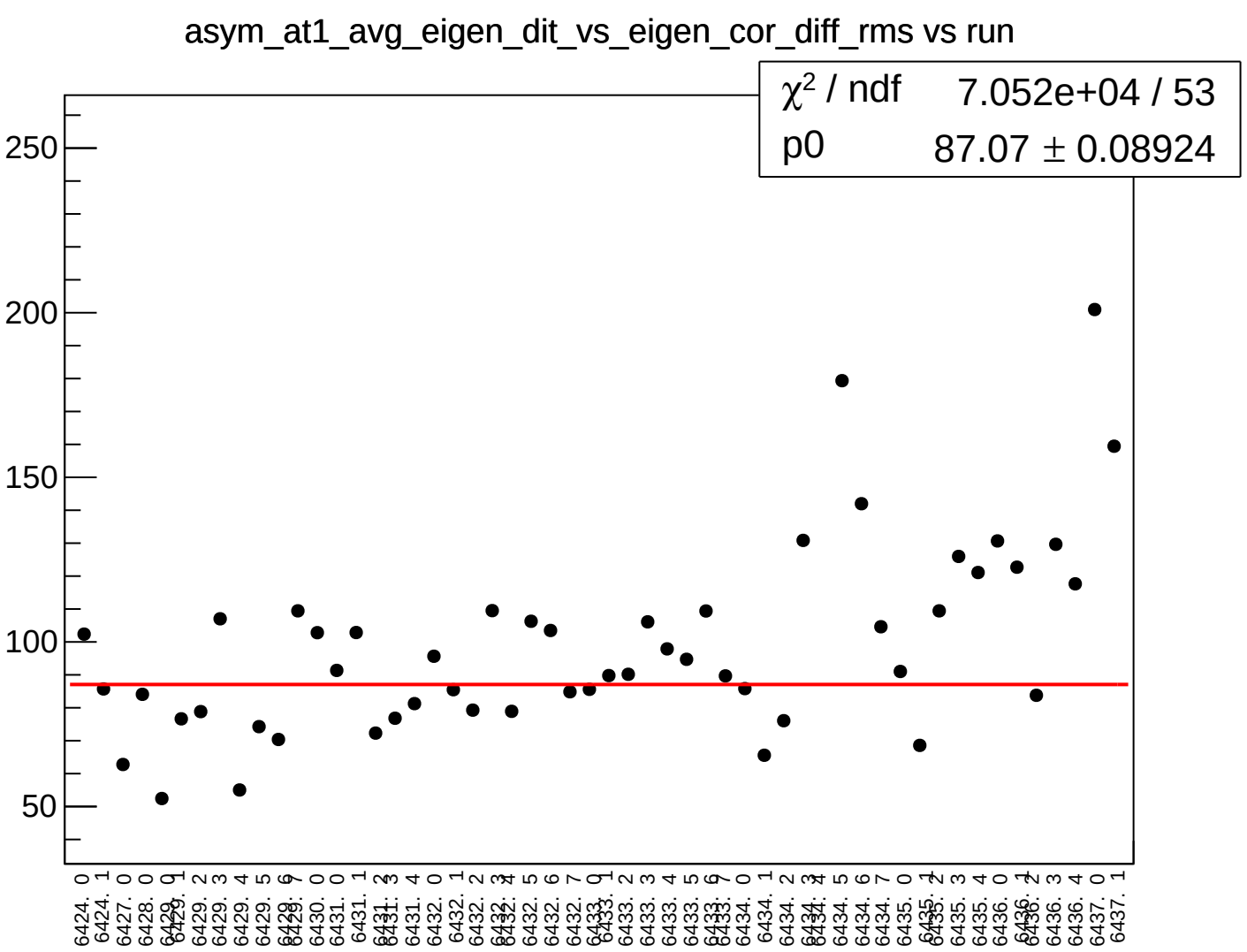

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3069 / 53
p0 0.003101 ± 3.072e−06
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

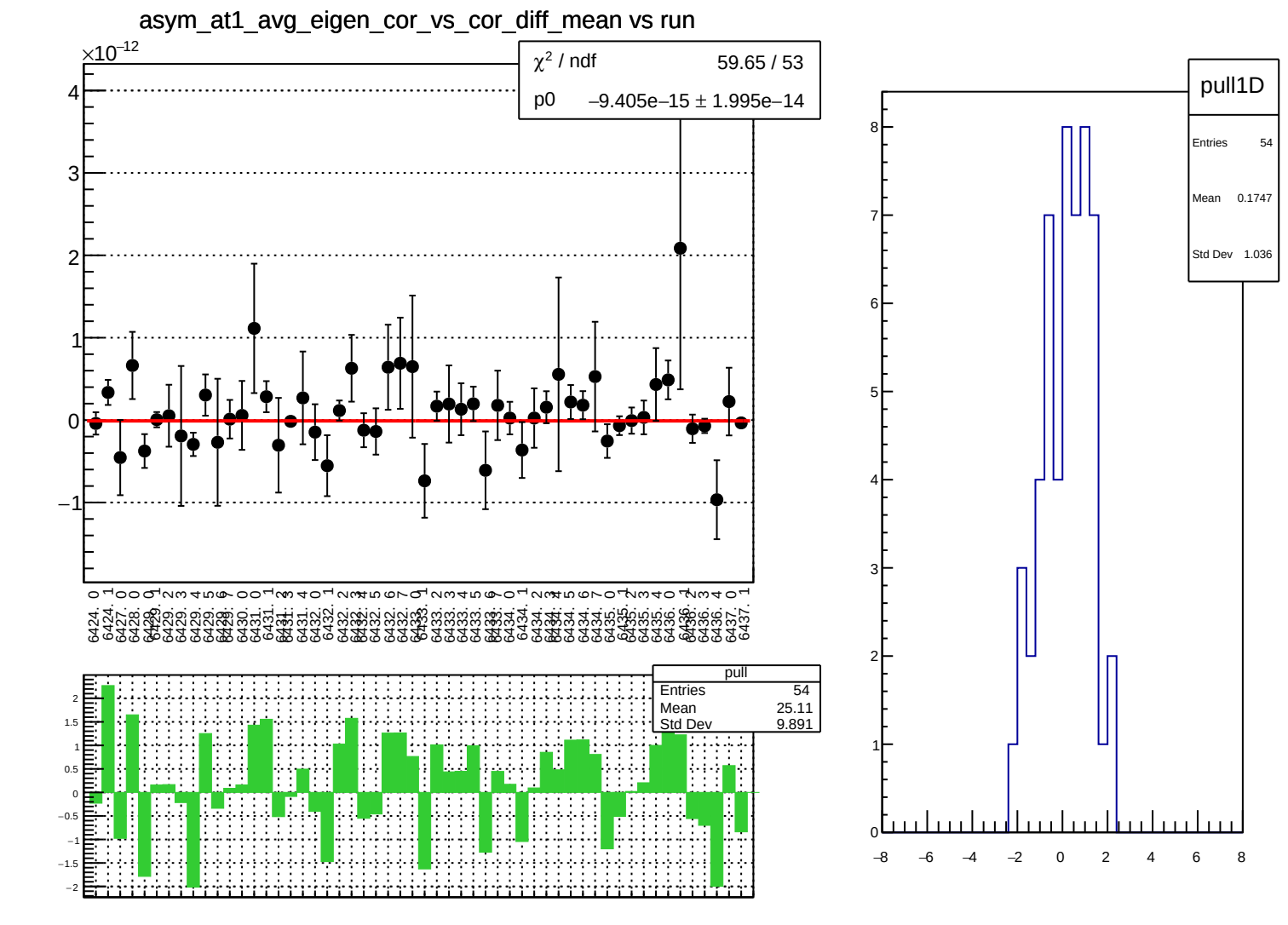

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 −0.07359 ± 0.1262
pull
Entries 54
Mean 34.82
Std Dev 0

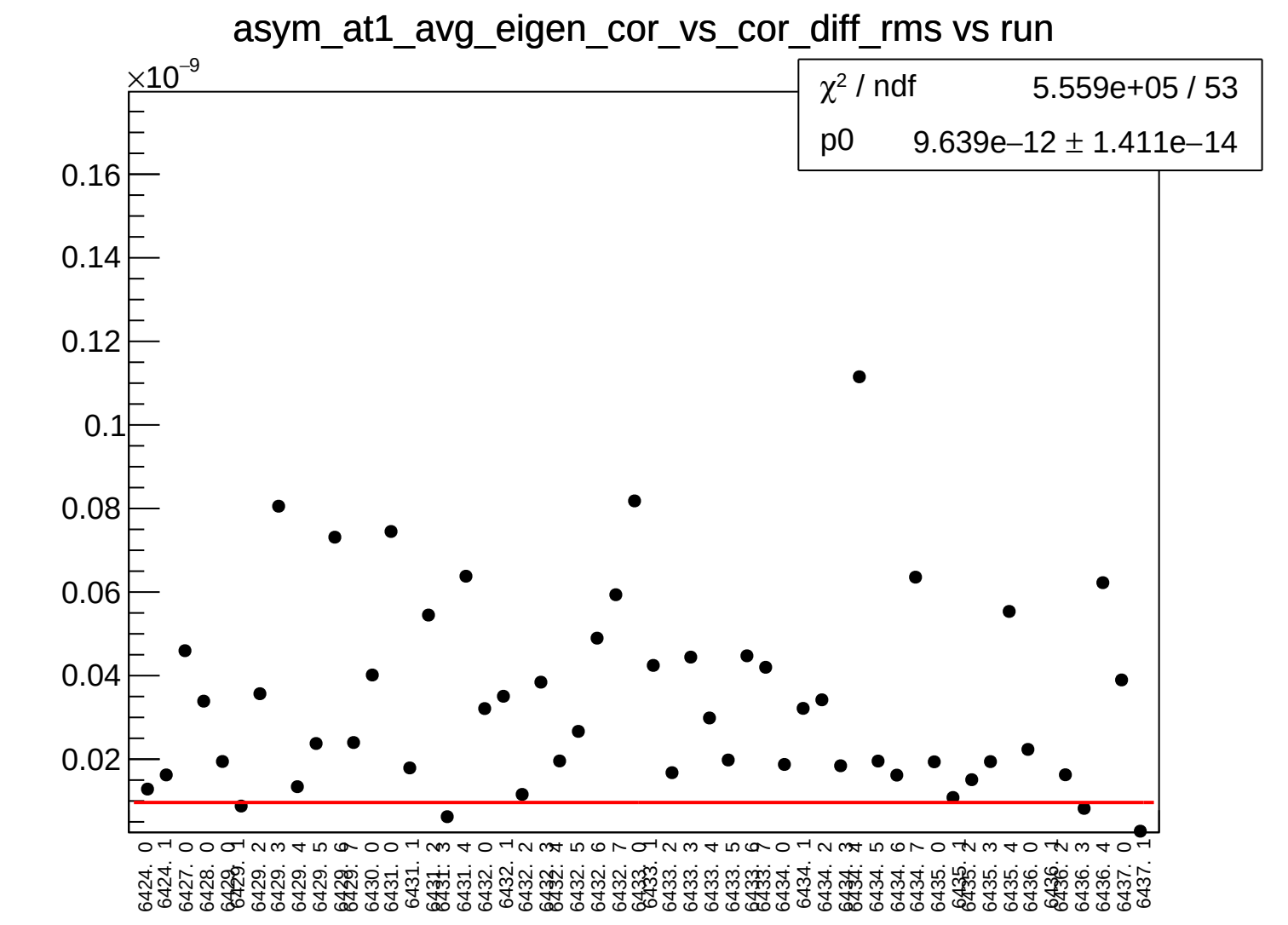

pull1D
Entries 54
Mean −0.07015
Std Dev 0.9778

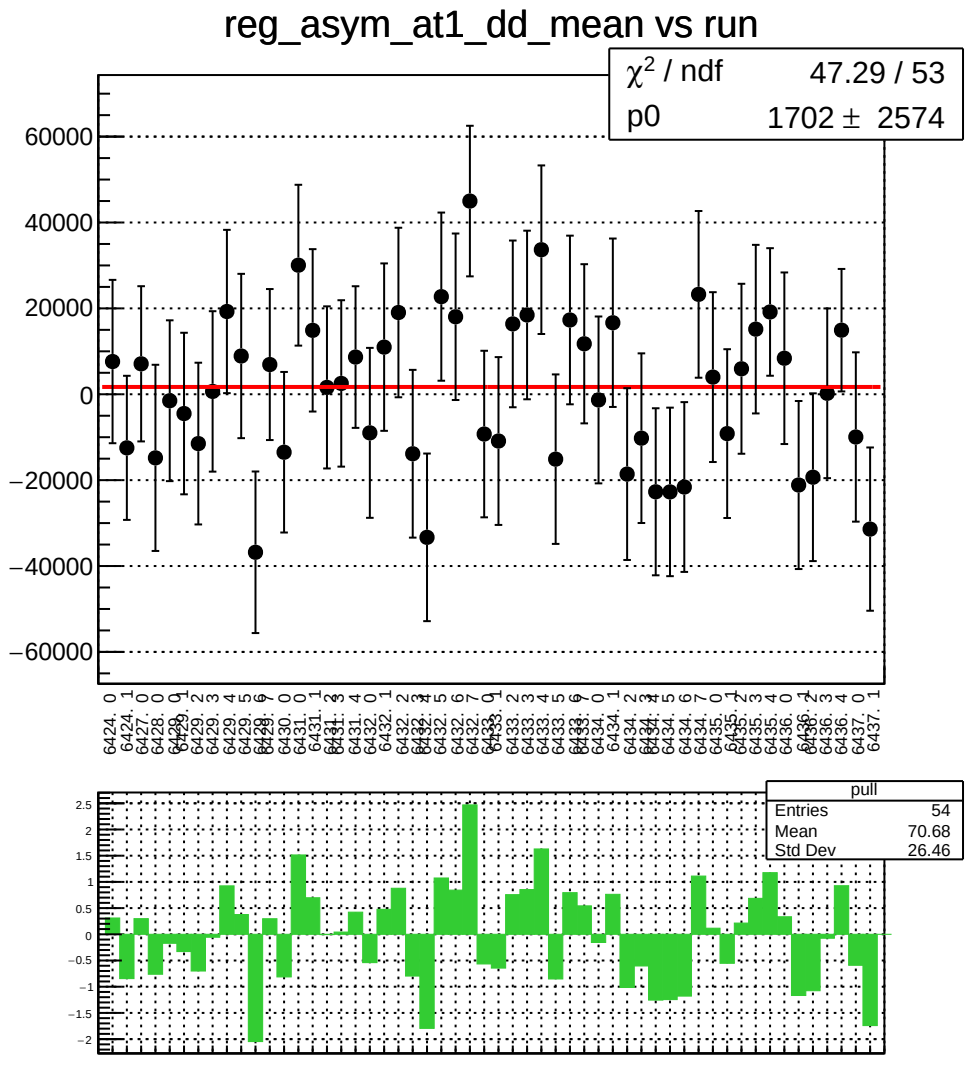

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.052e+04 / 53
p0 87.07 ± 0.08924
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

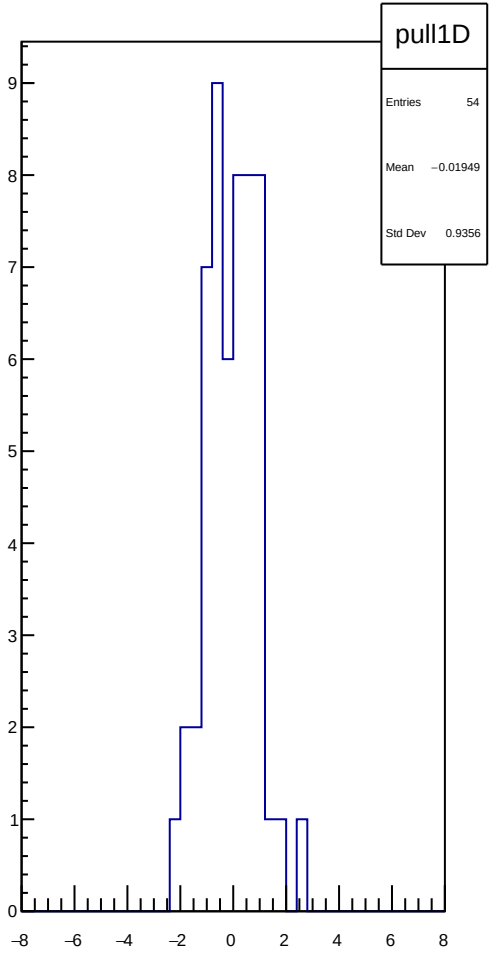

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.89 / 53
p0 −0.07359 ± 0.1262
pull
Entries 54
Mean 34.82
Std Dev 0
pull1D
Entries 54
Mean −0.07015
Std Dev 0.9778

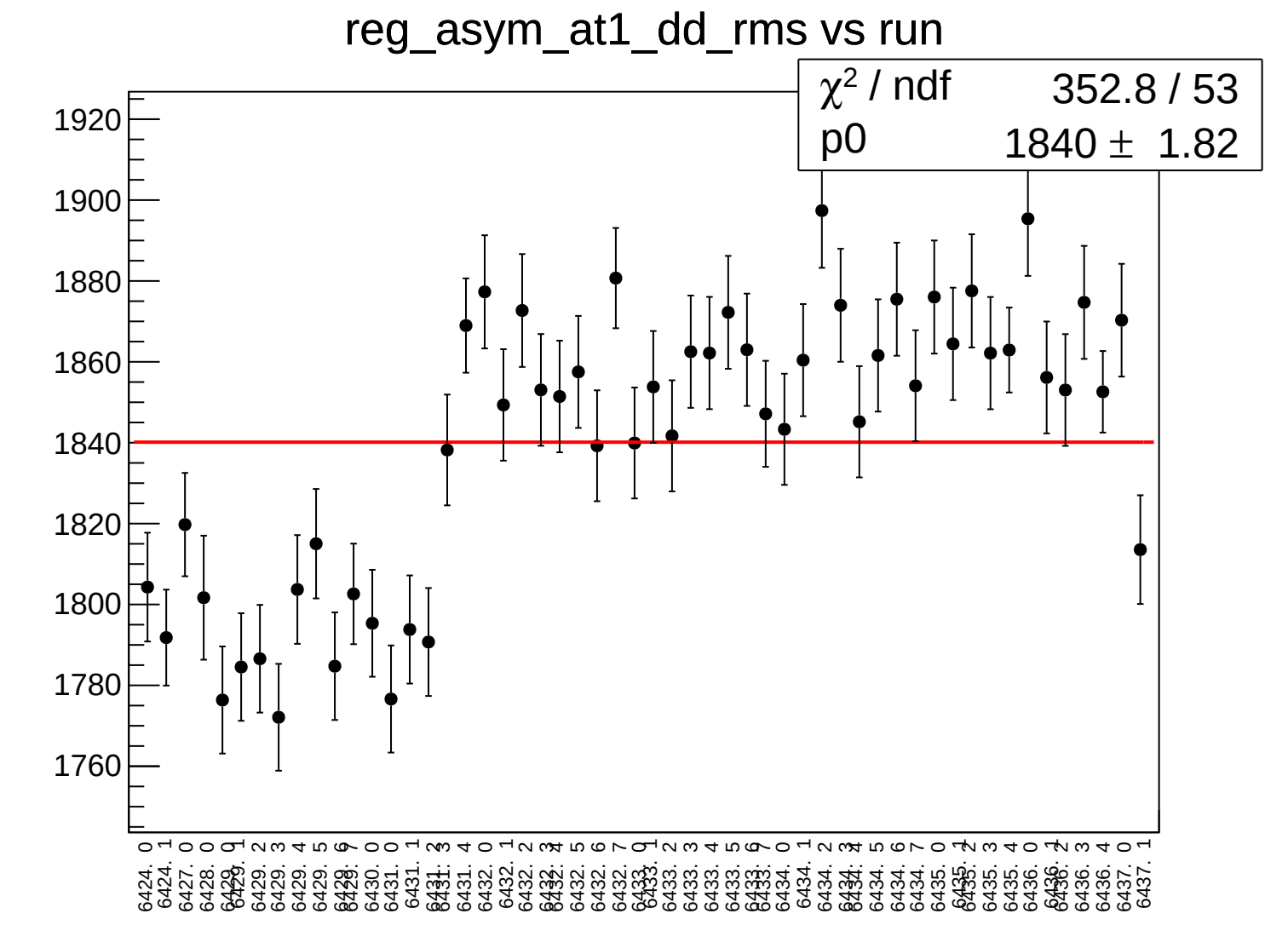

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.052e+04 / 53
p0 87.07 ± 0.08924
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

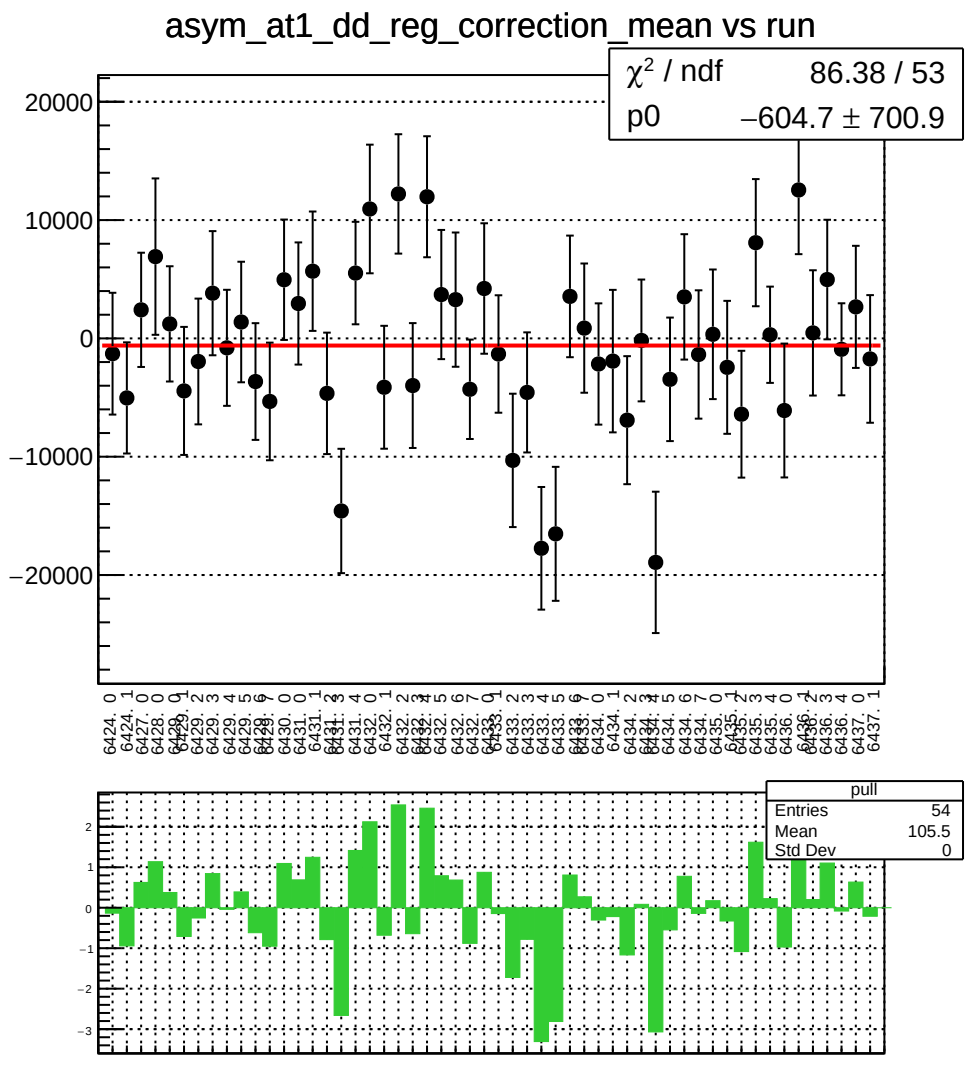

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.65 / 53
p0 −9.405e−15 ± 1.995e−14
pull
Entries 54
Mean 25.11
Std Dev 9.891
pull1D
Entries 54
Mean 0.1747
Std Dev 1.036

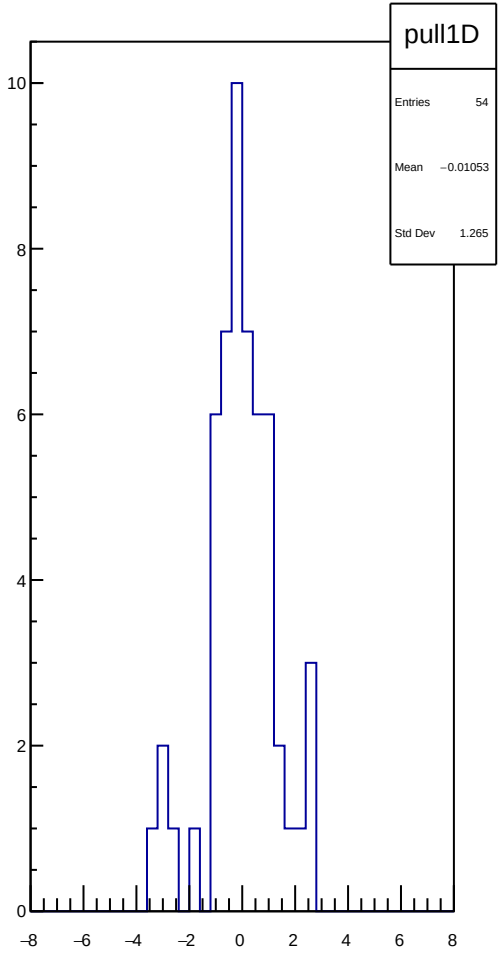

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.559e+05 / 53
p0 9.639e−12 ± 1.411e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

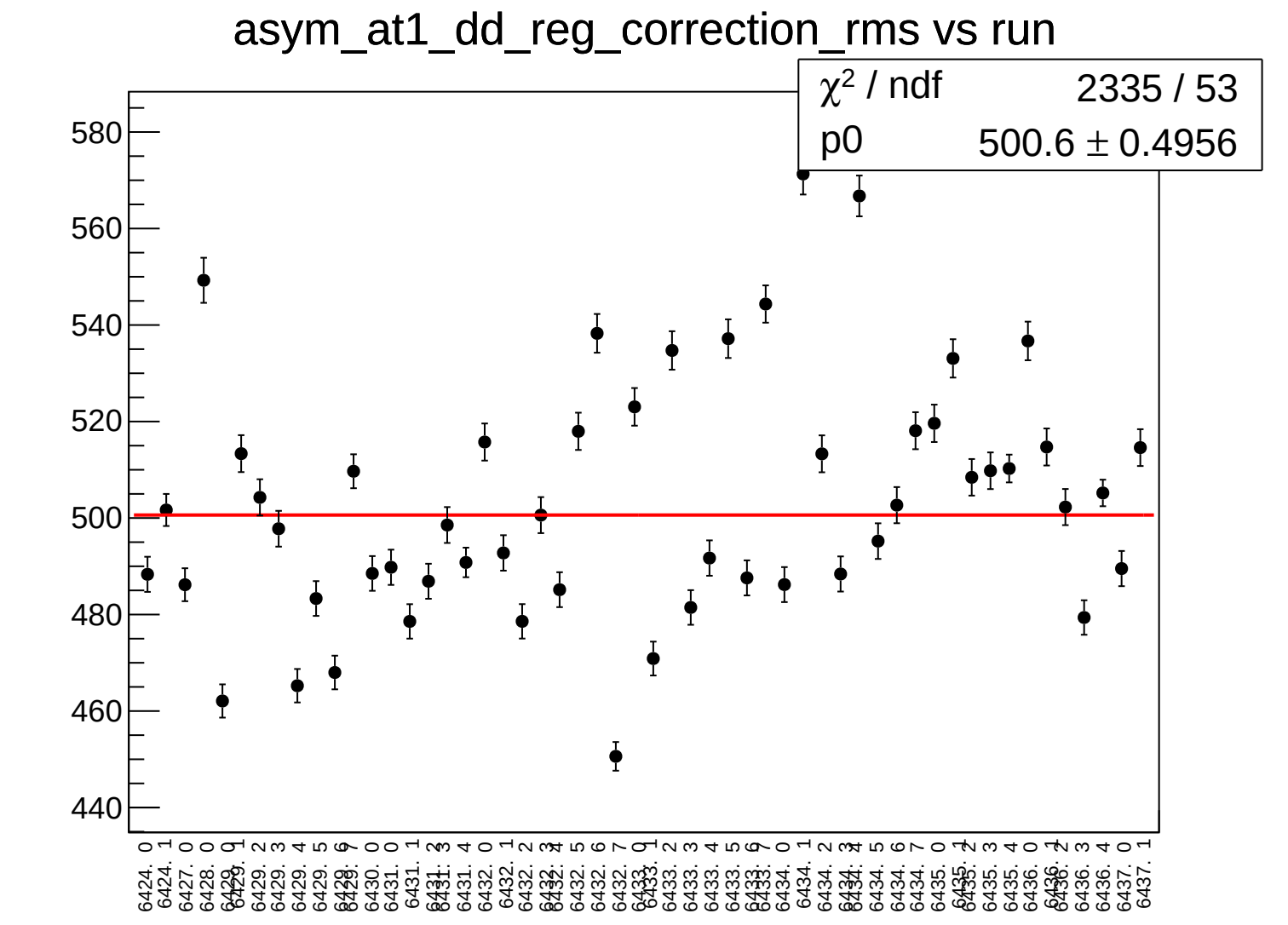

reg_asym_at1_dd_mean vs run
χ^2 / ndf 47.29 / 53
p0 1702 ± 2574
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 70.68
Std Dev 26.46
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

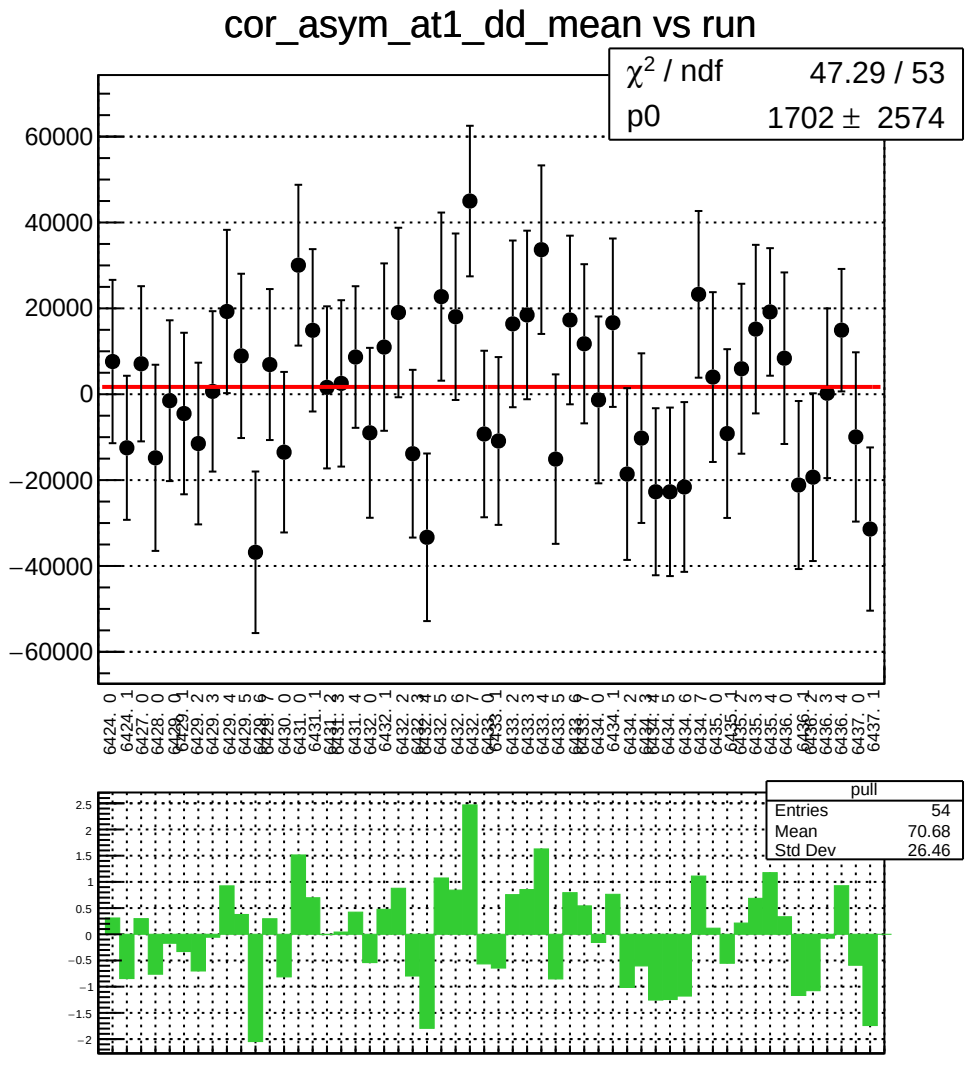

pull1D
Entries 54
Mean −0.01949
Std Dev 0.9356
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

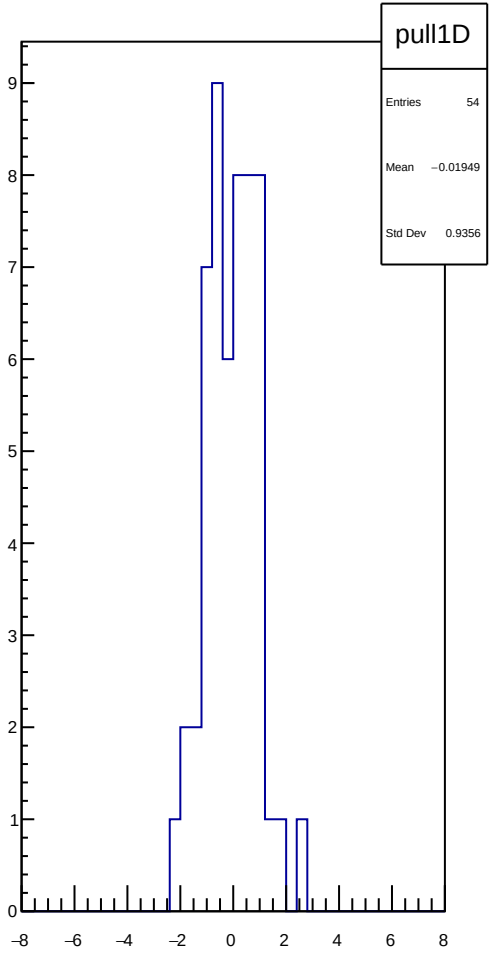

reg_asym_at1_dd_rms vs run
χ² / ndf 352.8 / 53
p0 1840 ± 1.82
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

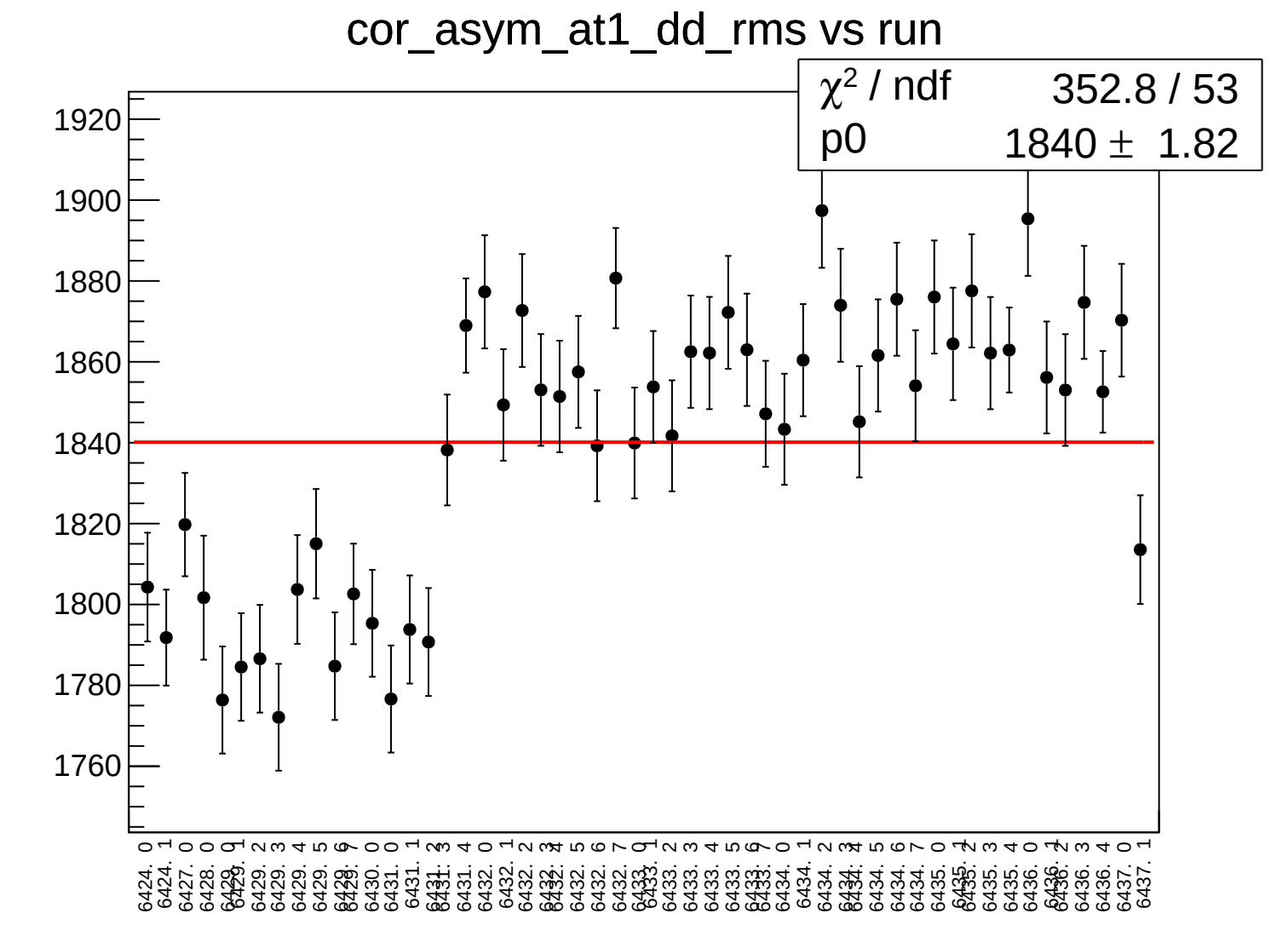

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 86.38 / 53
p0 −604.7 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 105.5
Std Dev 0
2
1
0
−1
−2
−3

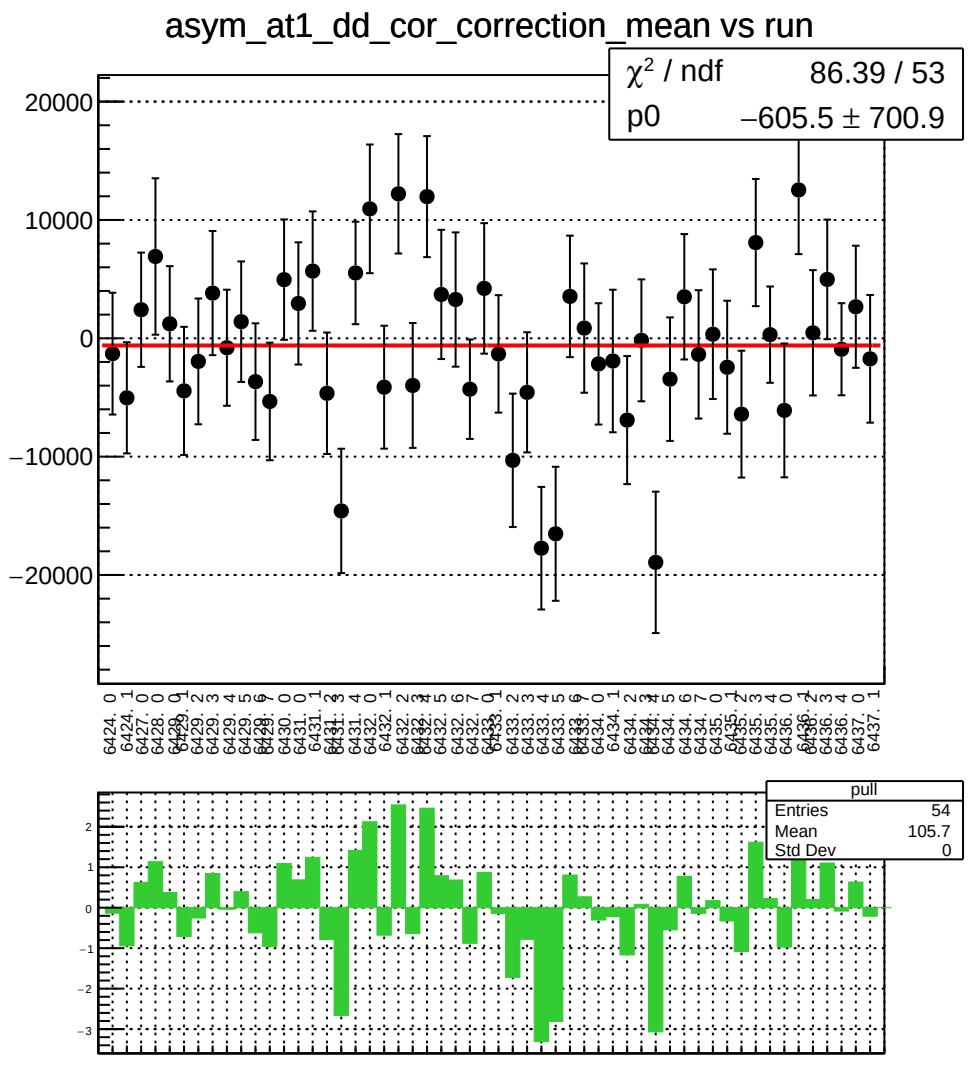

pull1D
Entries 54
Mean −0.01053
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

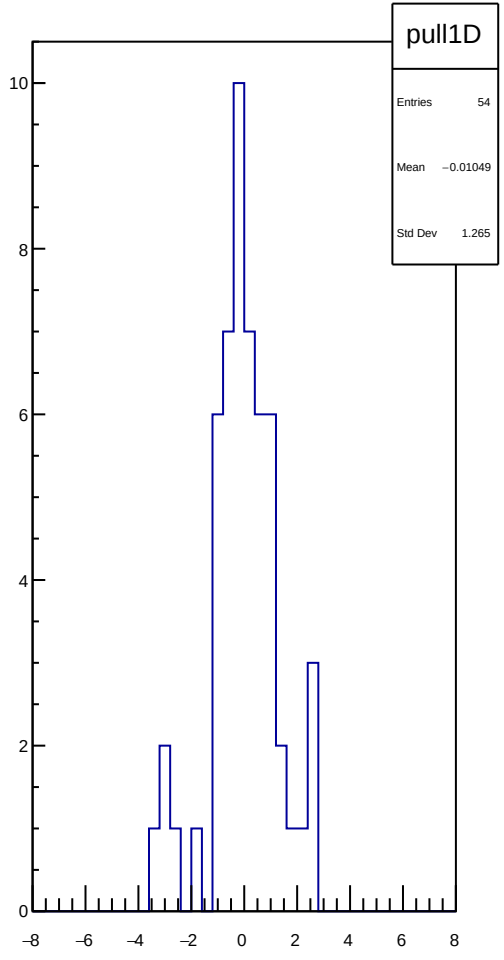

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 2335 / 53
p0 500.6 ± 0.4956
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

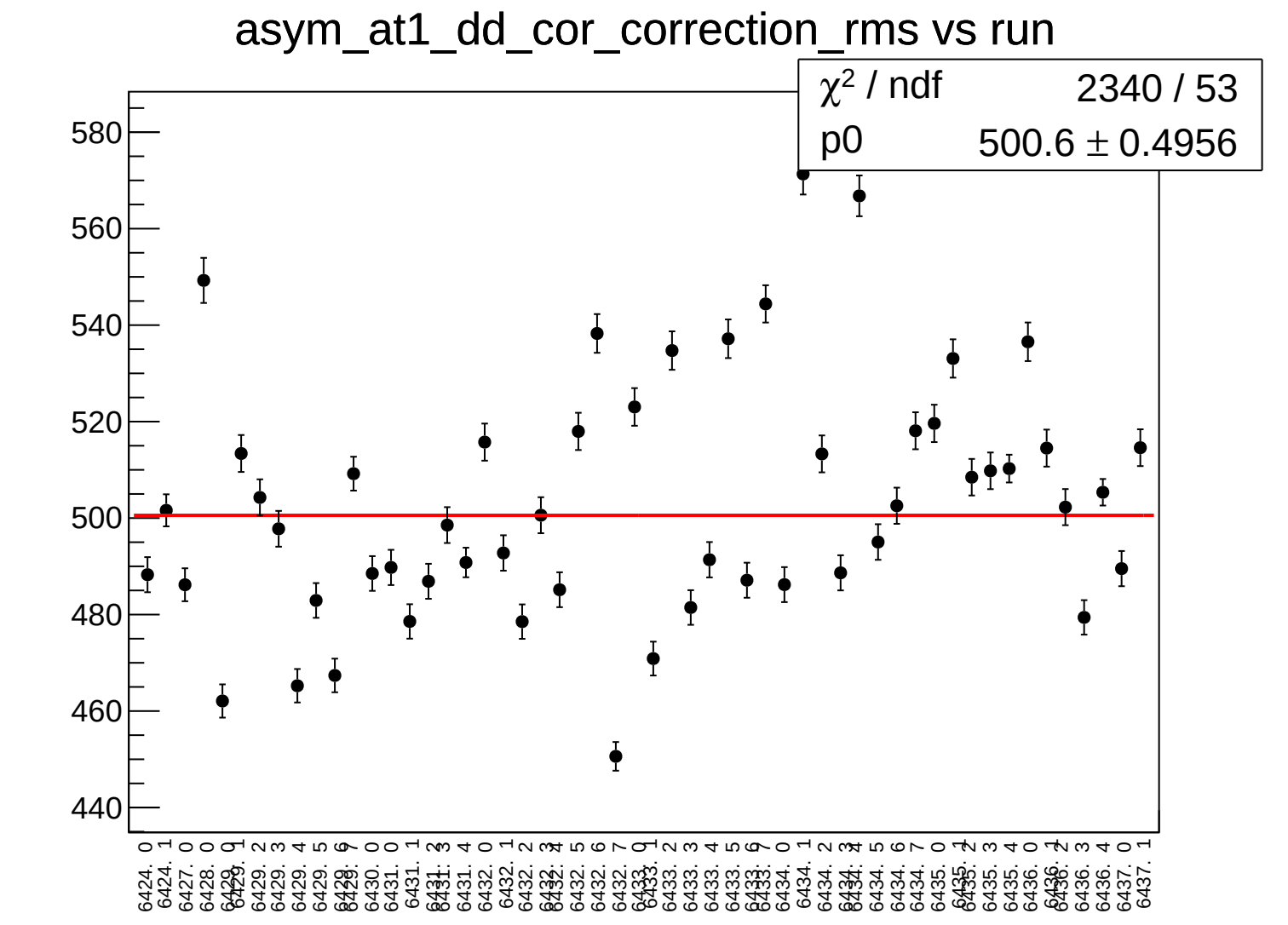

cor_asym_at1_dd_mean vs run
χ² / ndf 47.29 / 53
p0 1702 ± 2574
pull
Entries 54
Mean 70.68
Std Dev 26.46

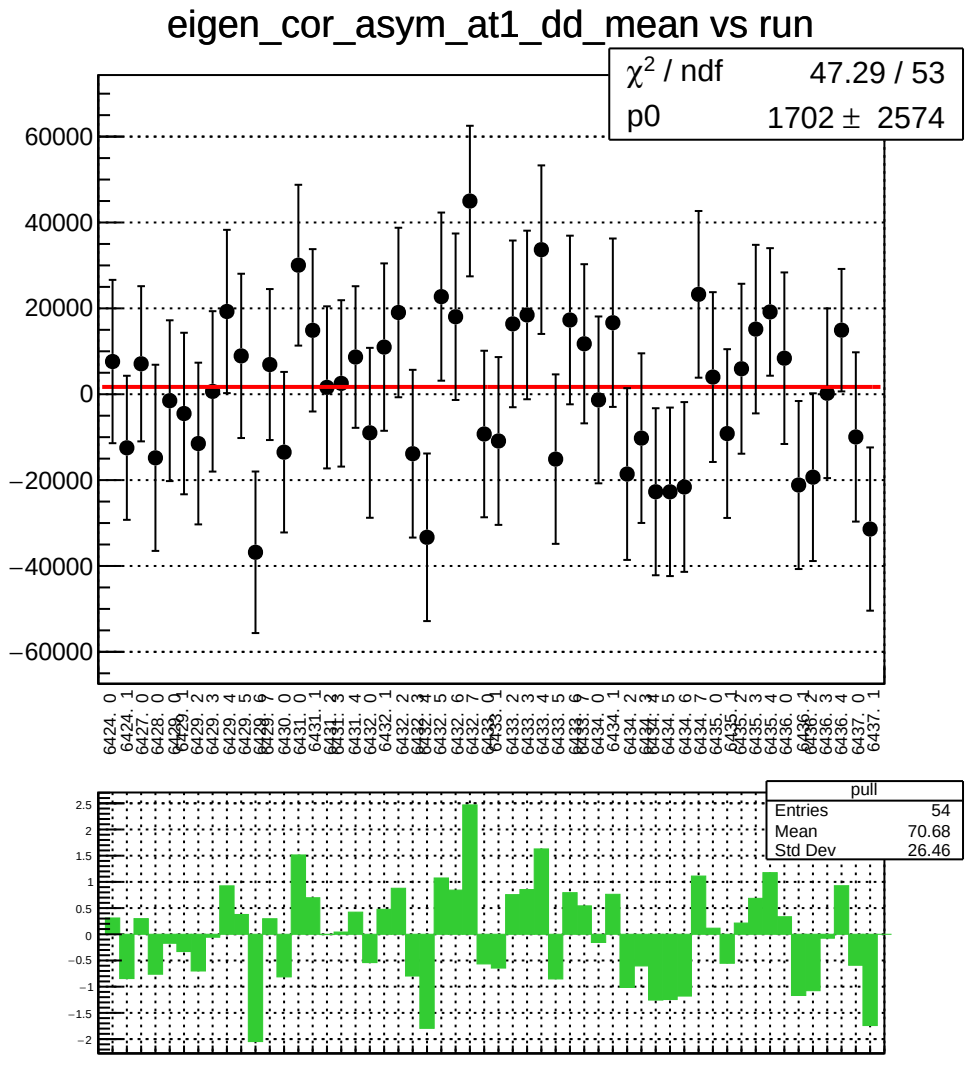

pull1D
Entries 54
Mean −0.01949
Std Dev 0.9356

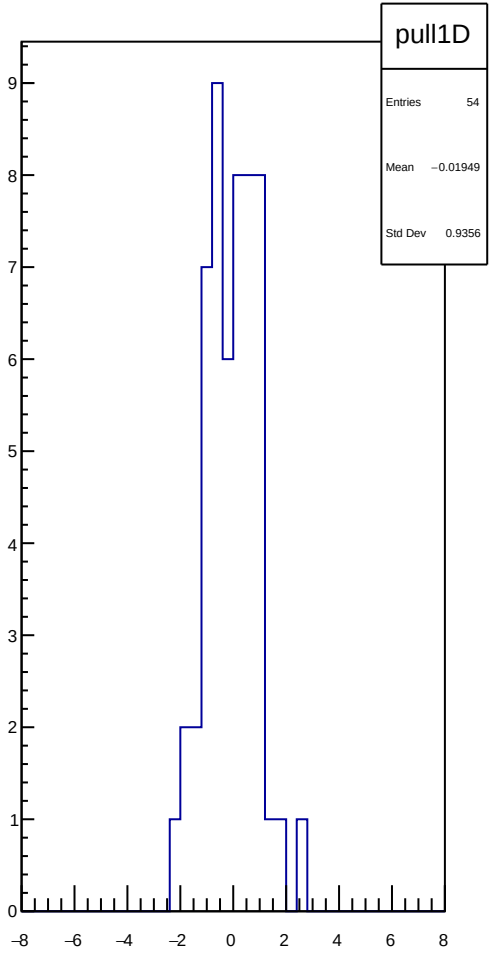

cor_asym_at1_dd_rms vs run
χ² / ndf 352.8 / 53
p0 1840 ± 1.82
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

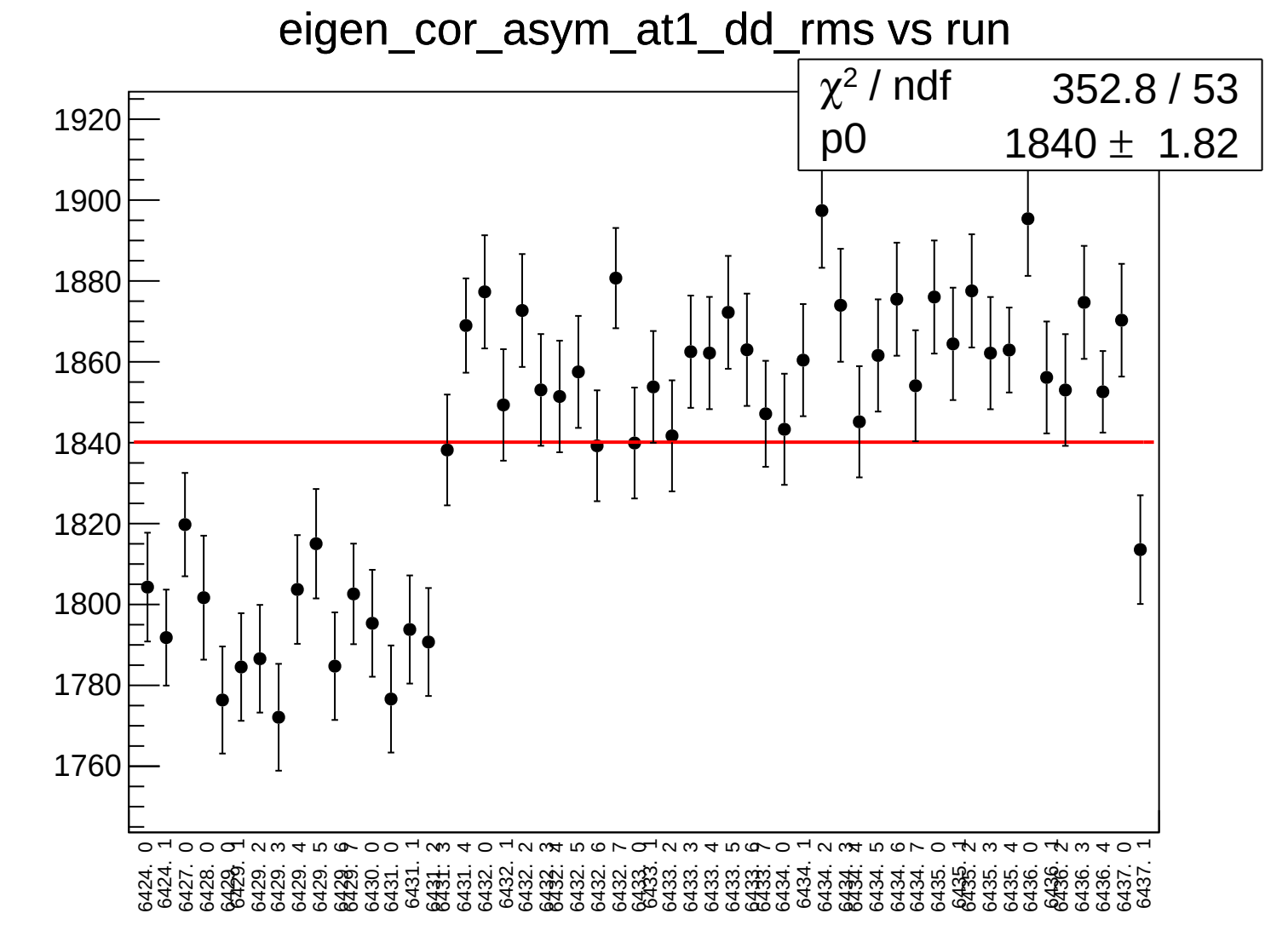

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 86.39 / 53
p0 −605.5 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 105.7
Std Dev 0
2
1
0
−1
−2
−3

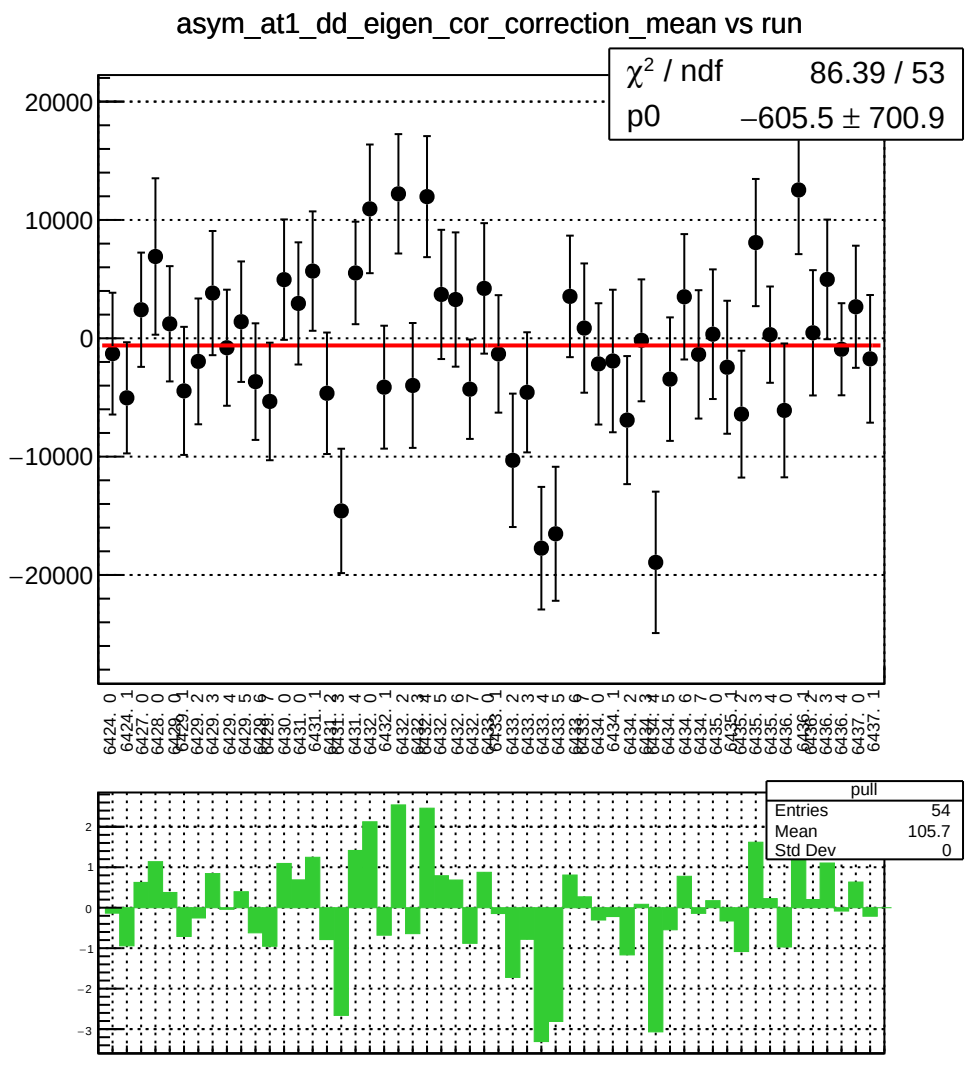

pull1D
Entries 54
Mean −0.01049
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

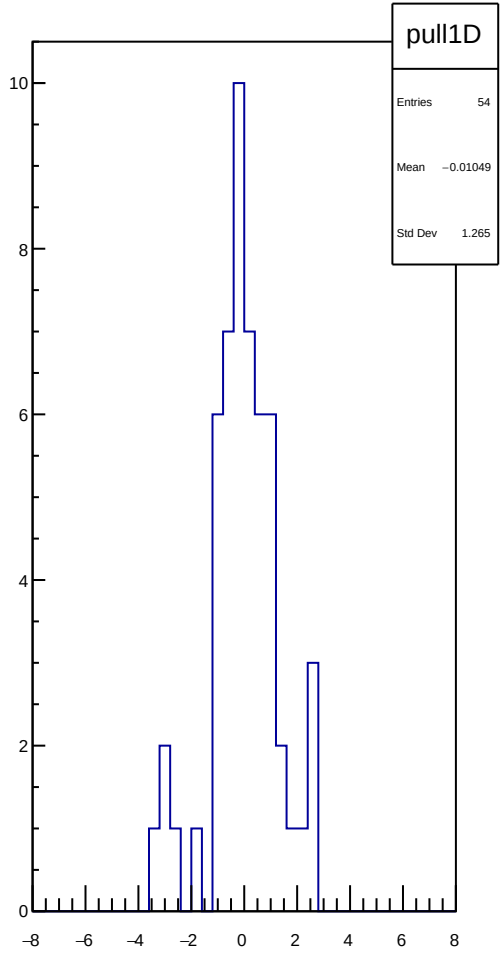

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 2340 / 53
p0 500.6 ± 0.4956
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

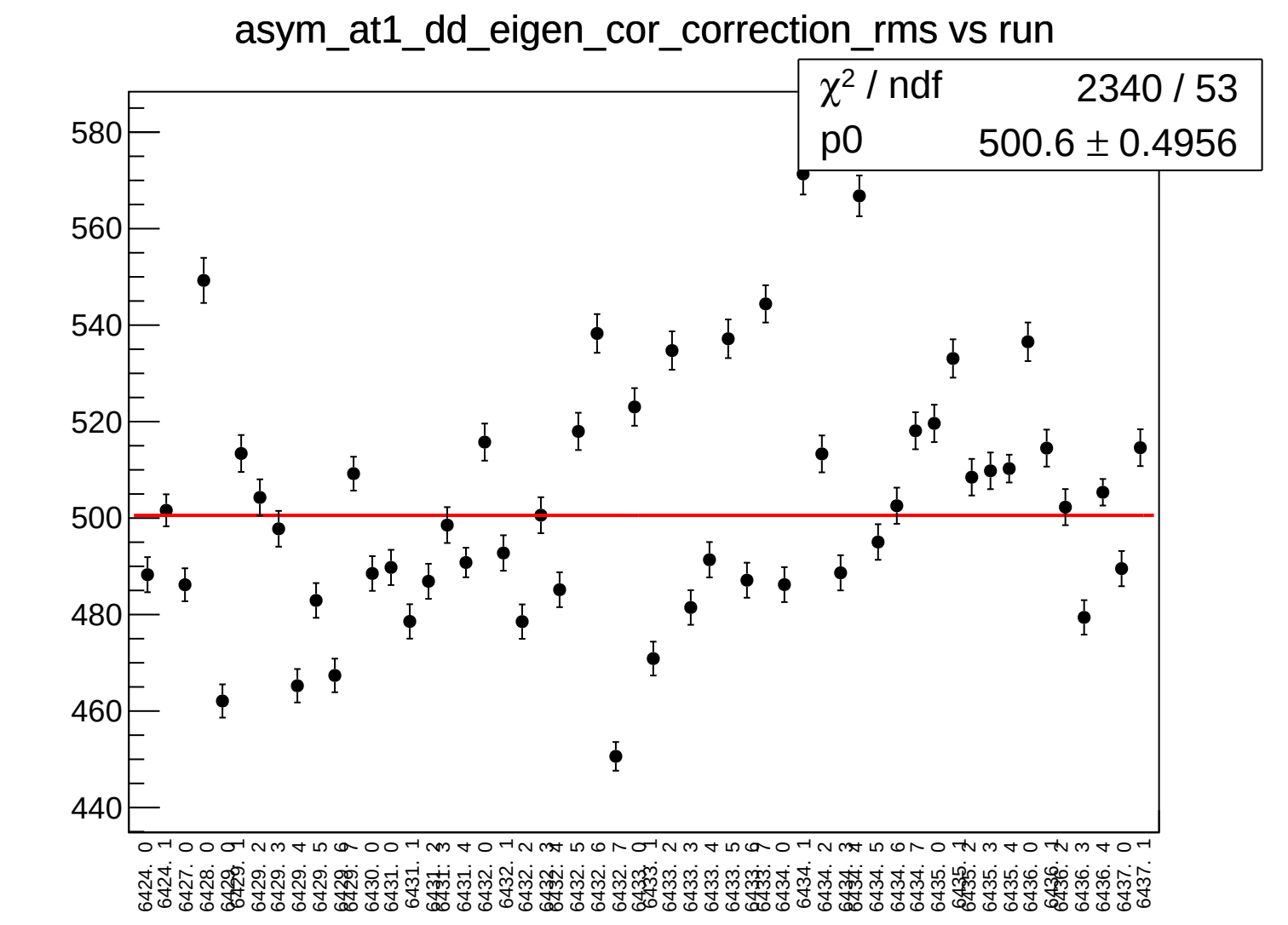

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 47.29 / 53
p0 1702 ± 2574
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 70.68
Std Dev 26.46
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

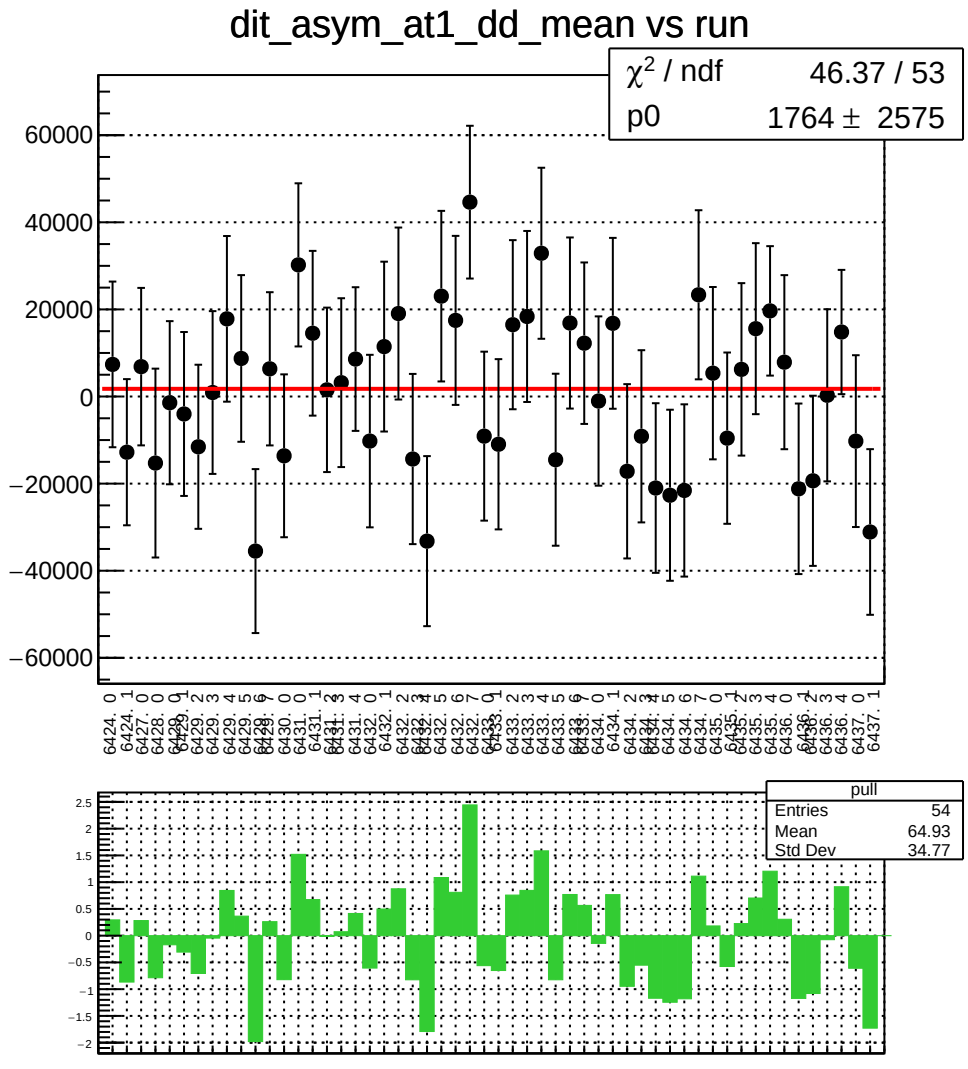

pull1D
Entries 54
Mean −0.01949
Std Dev 0.9356
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

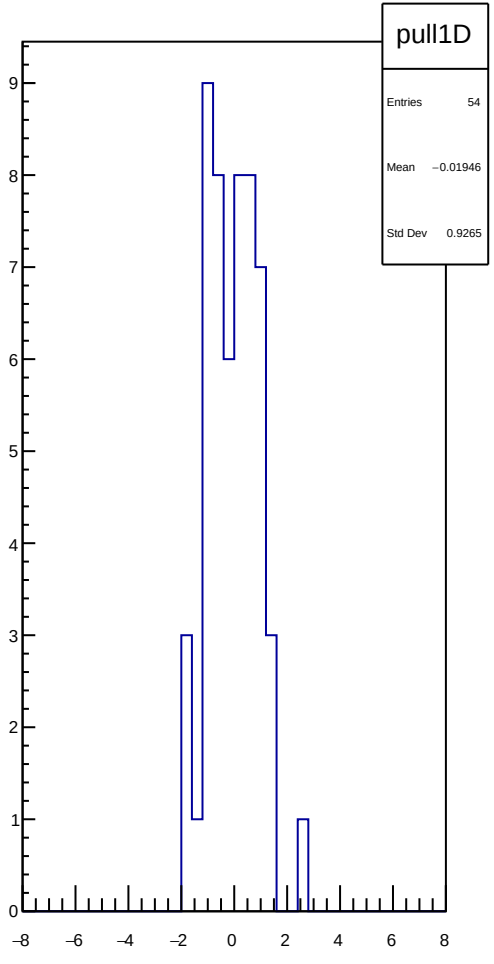

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 352.8 / 53
p0 1840 ± 1.82
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

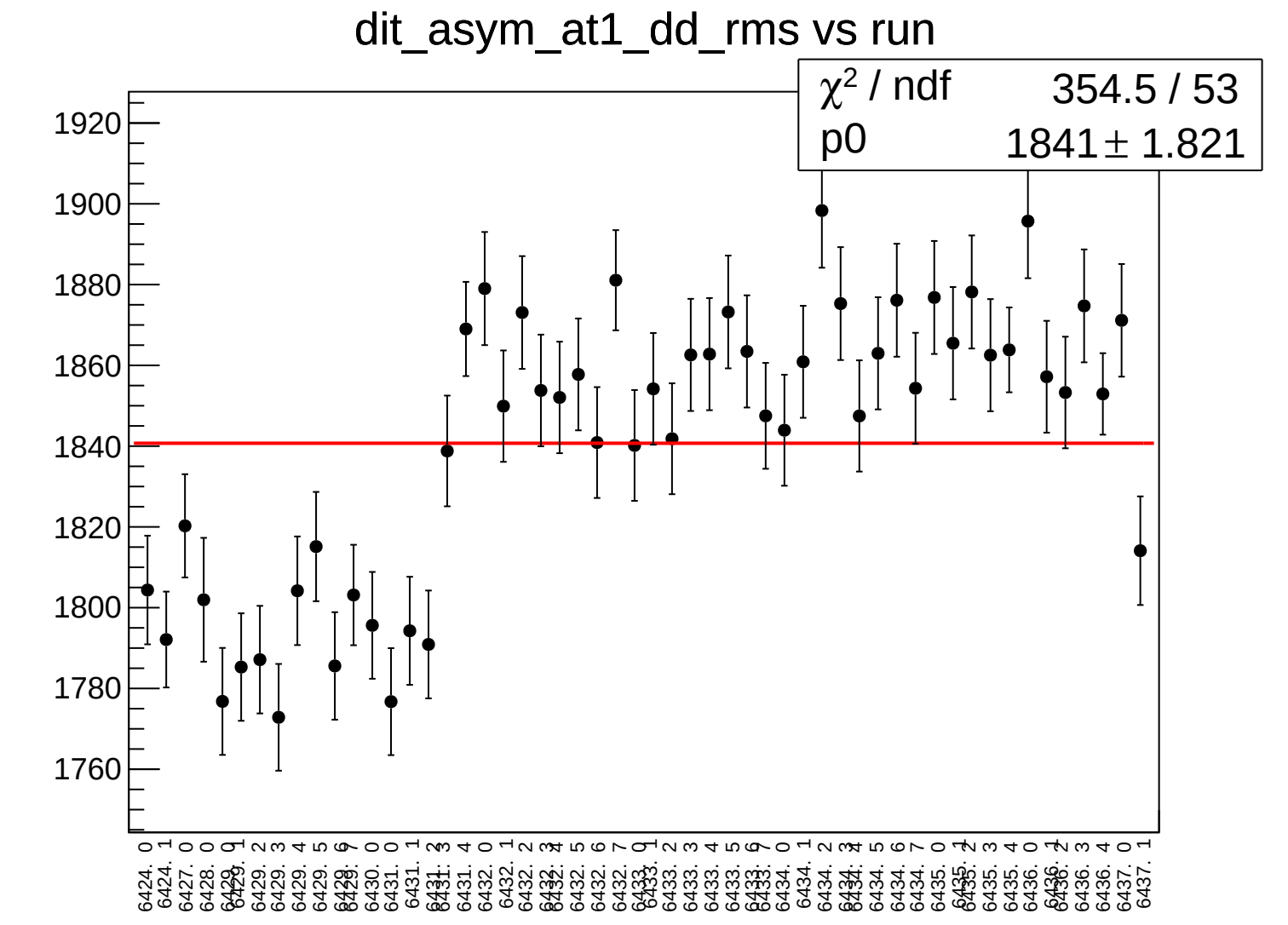

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 86.39 / 53
p0 −605.5 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 105.7
Std Dev 0
2
1
0
−1
−2
−3

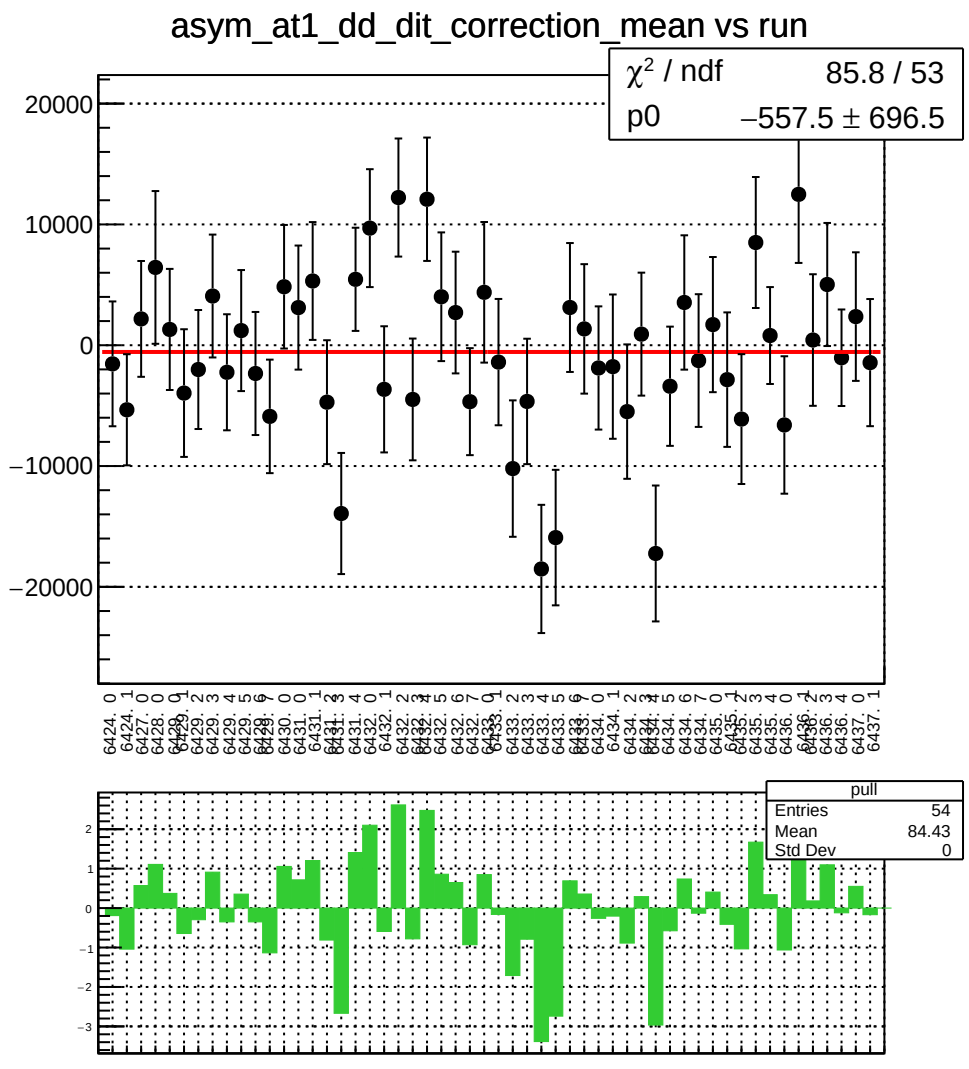

pull1D
Entries 54
Mean −0.01049
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

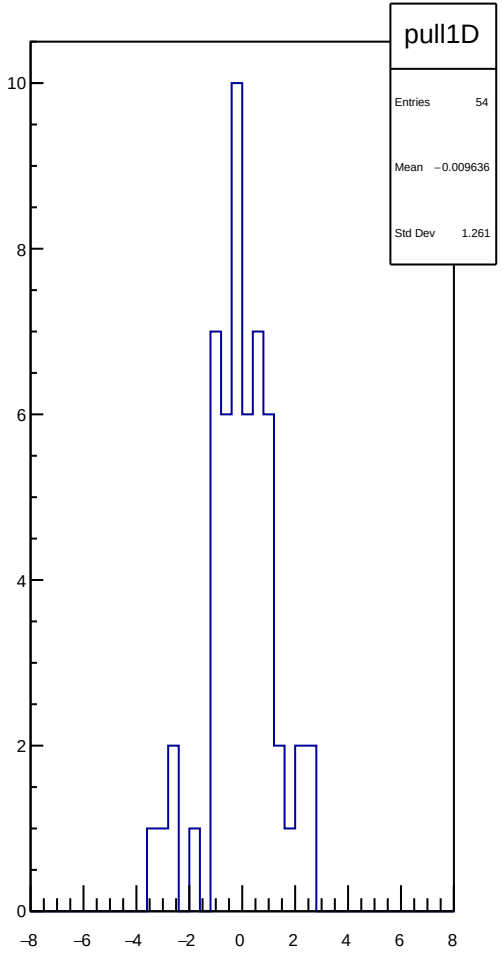

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2340 / 53
p0 500.6 ± 0.4956
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

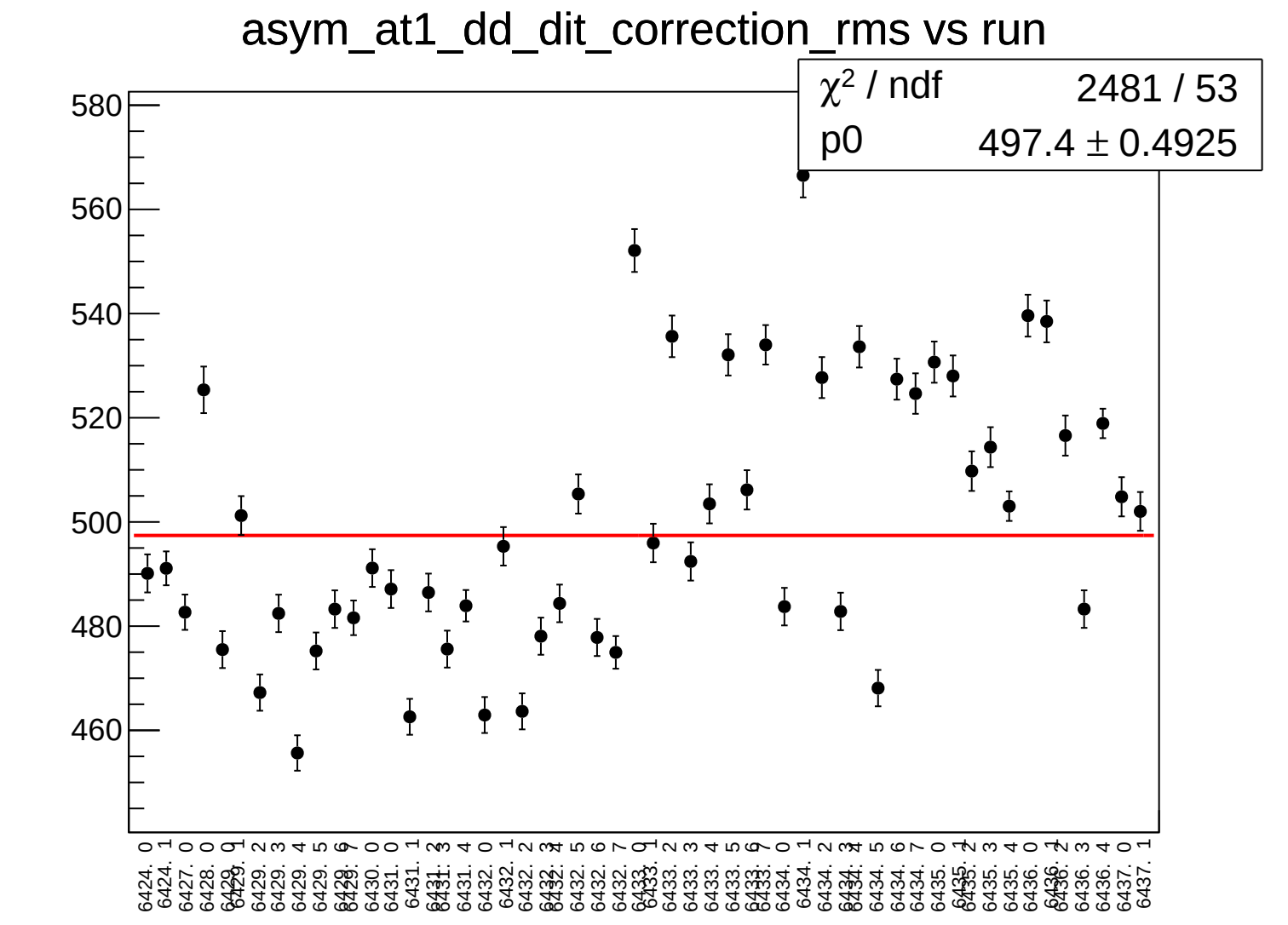

dit_asym_at1_dd_mean vs run
χ² / ndf 46.37 / 53
p0 1764 ± 2575
pull
Entries 54
Mean 64.93
Std Dev 34.77

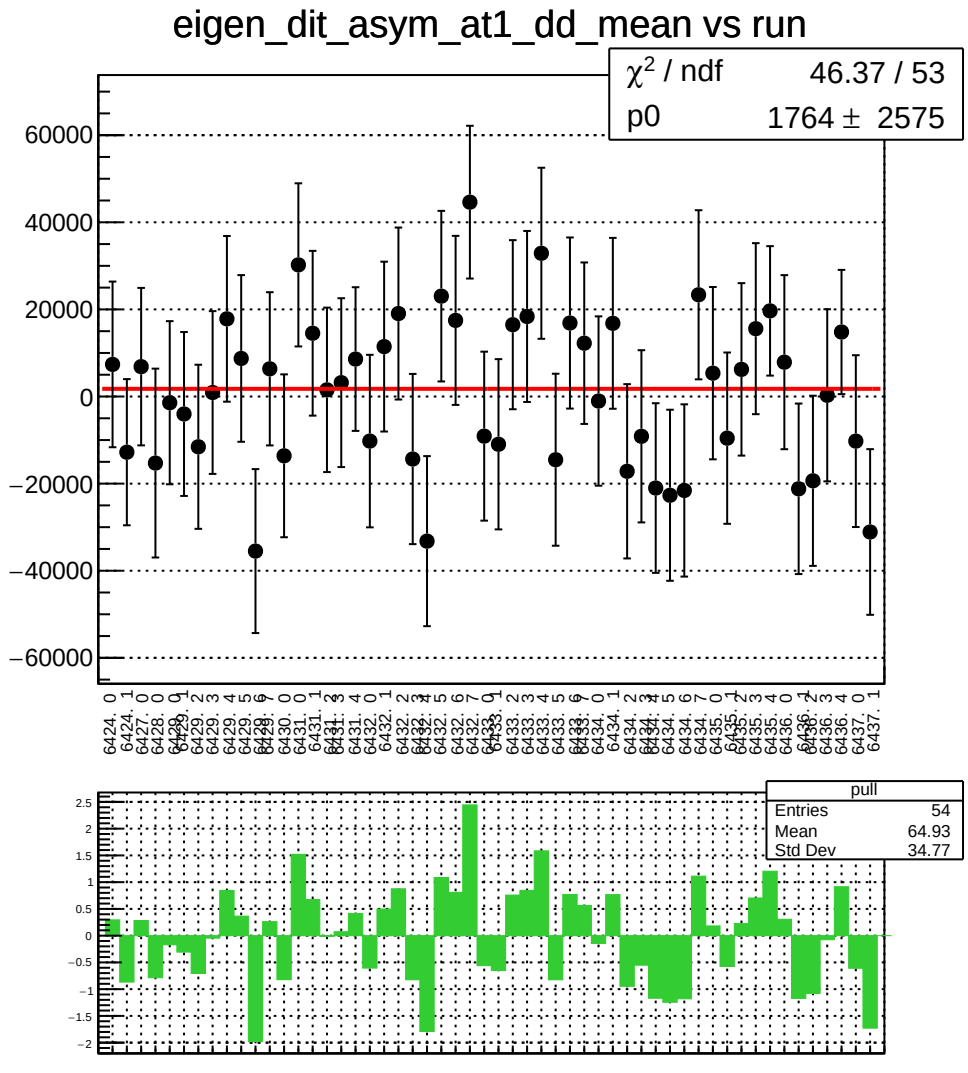

pull1D
Entries 54
Mean −0.01946
Std Dev 0.9265

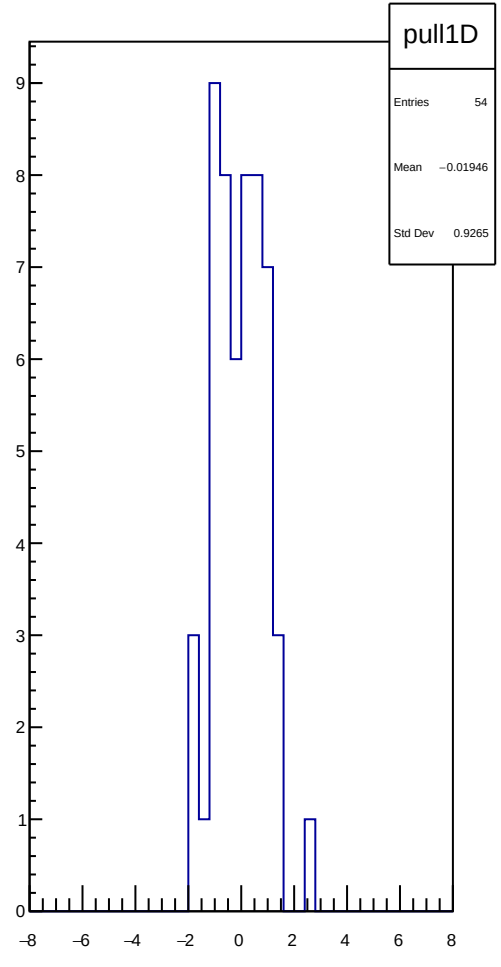

dit_asym_at1_dd_rms vs run
χ² / ndf 354.5 / 53
p0 1841 ± 1.821
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

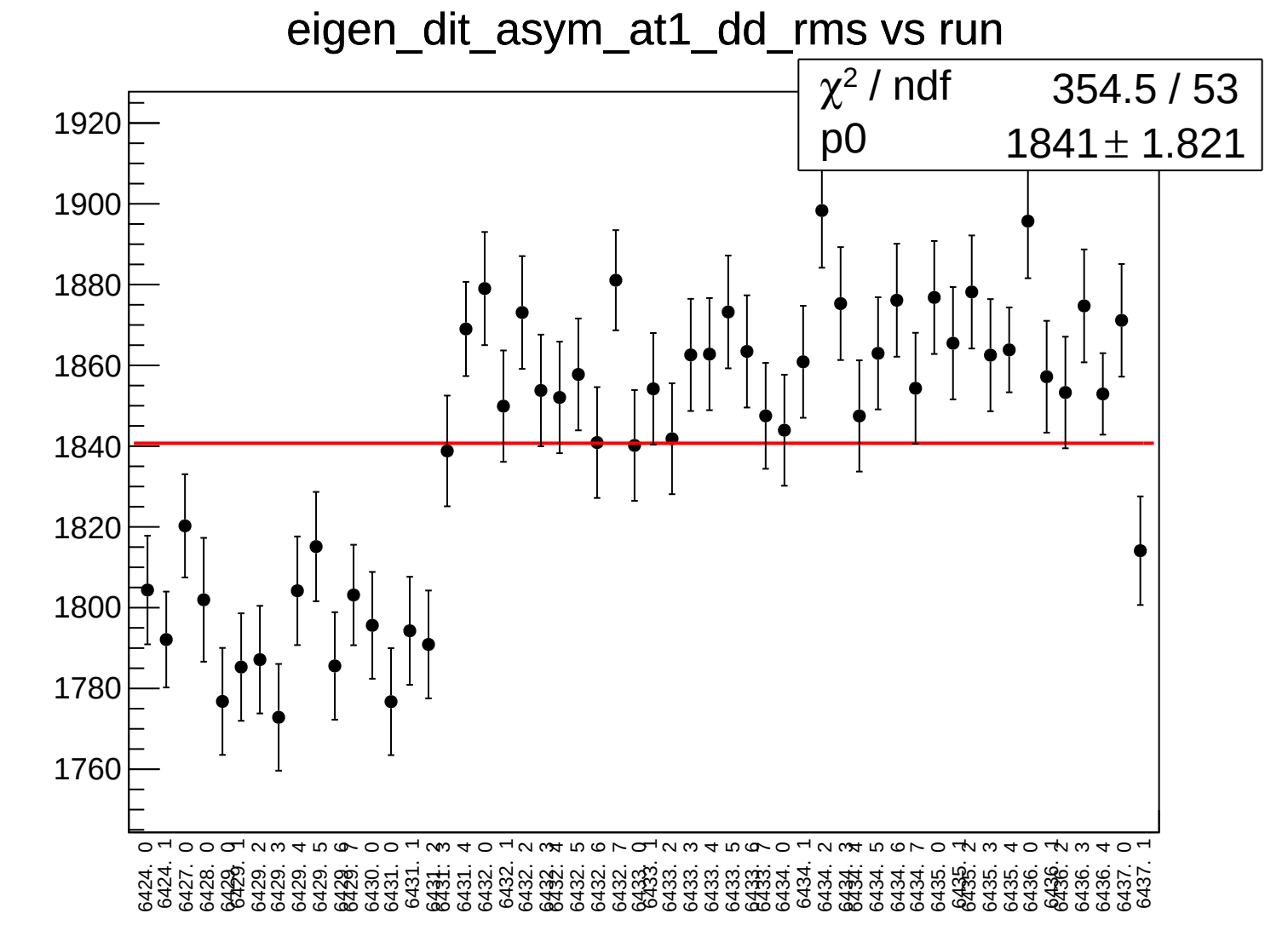

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 85.8 / 53
p0 −557.5 ± 696.5
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 84.43
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.009636
Std Dev 1.261
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_dit_correction_rms vs run
χ² / ndf 2481 / 53
p0 497.4 ± 0.4925
580
560
540
520
500
480
460
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 46.37 / 53
p0 1764 ± 2575
pull
Entries 54
Mean 64.93
Std Dev 34.77


pull1D
Entries 54
Mean −0.01946
Std Dev 0.9265


eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 354.5 / 53
p0 1841 ± 1.821
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6433. 4
6433. 5
6434. 0
6434. 1
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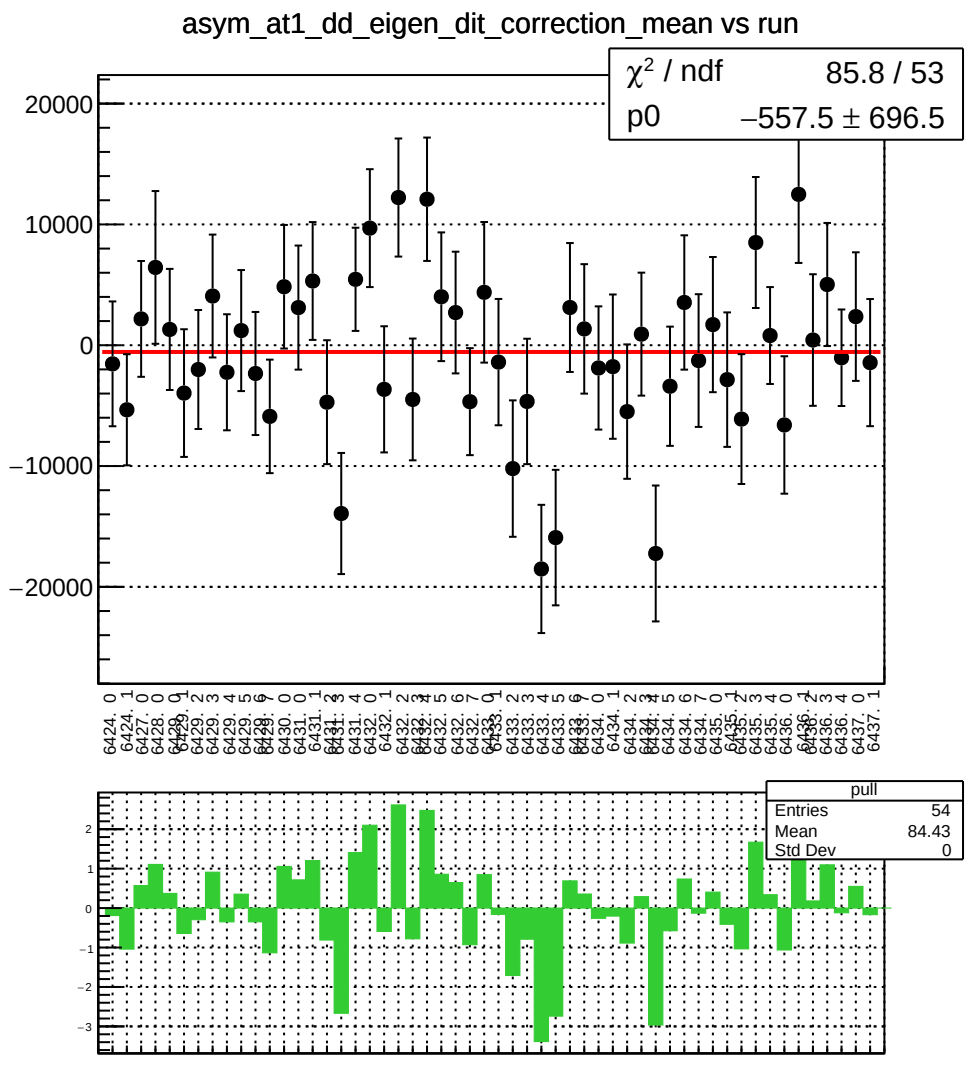
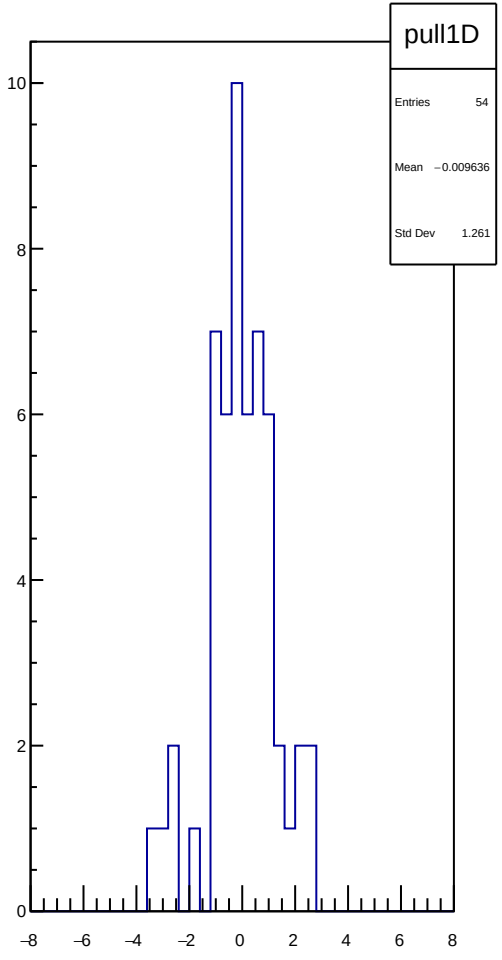
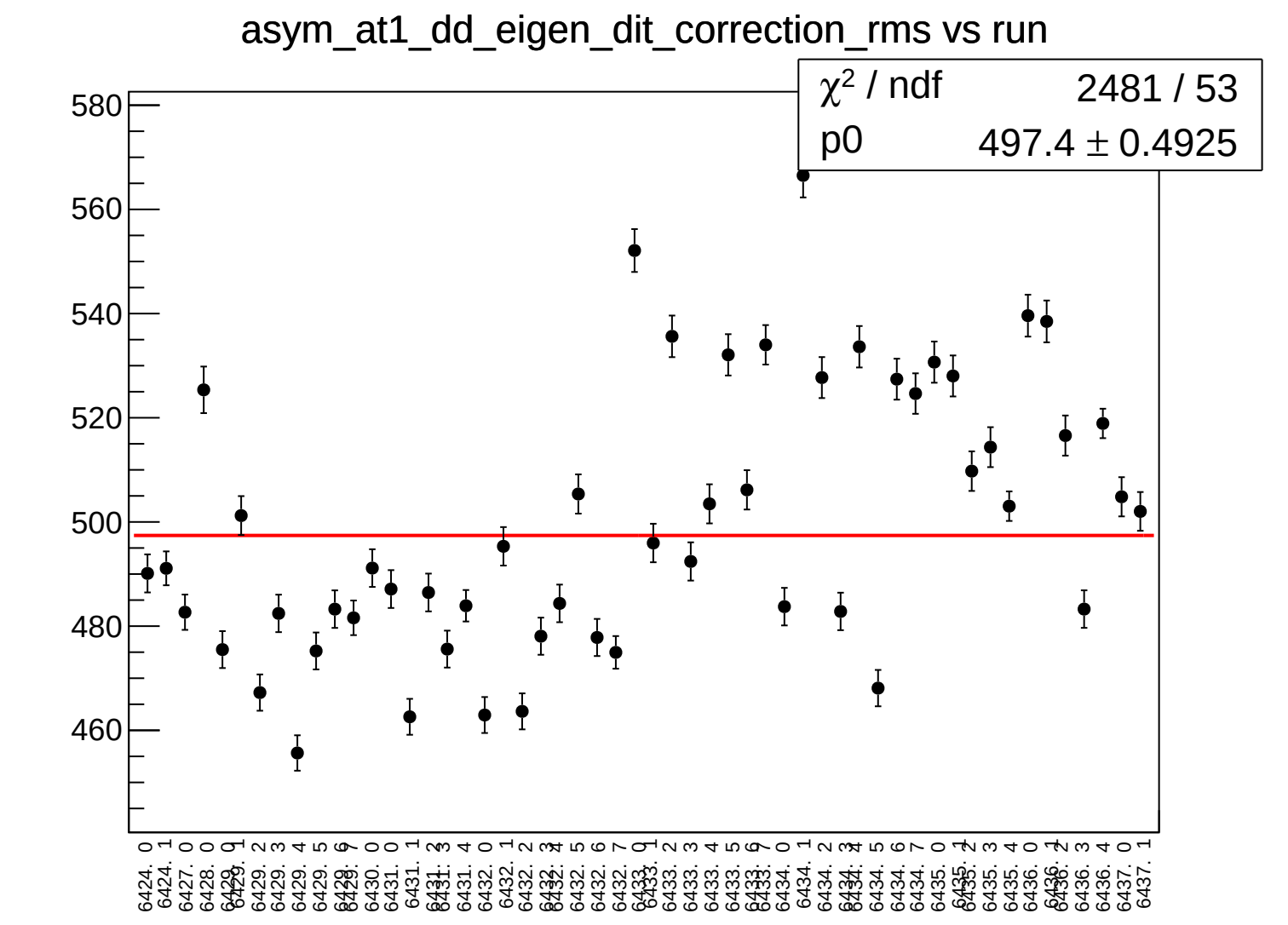
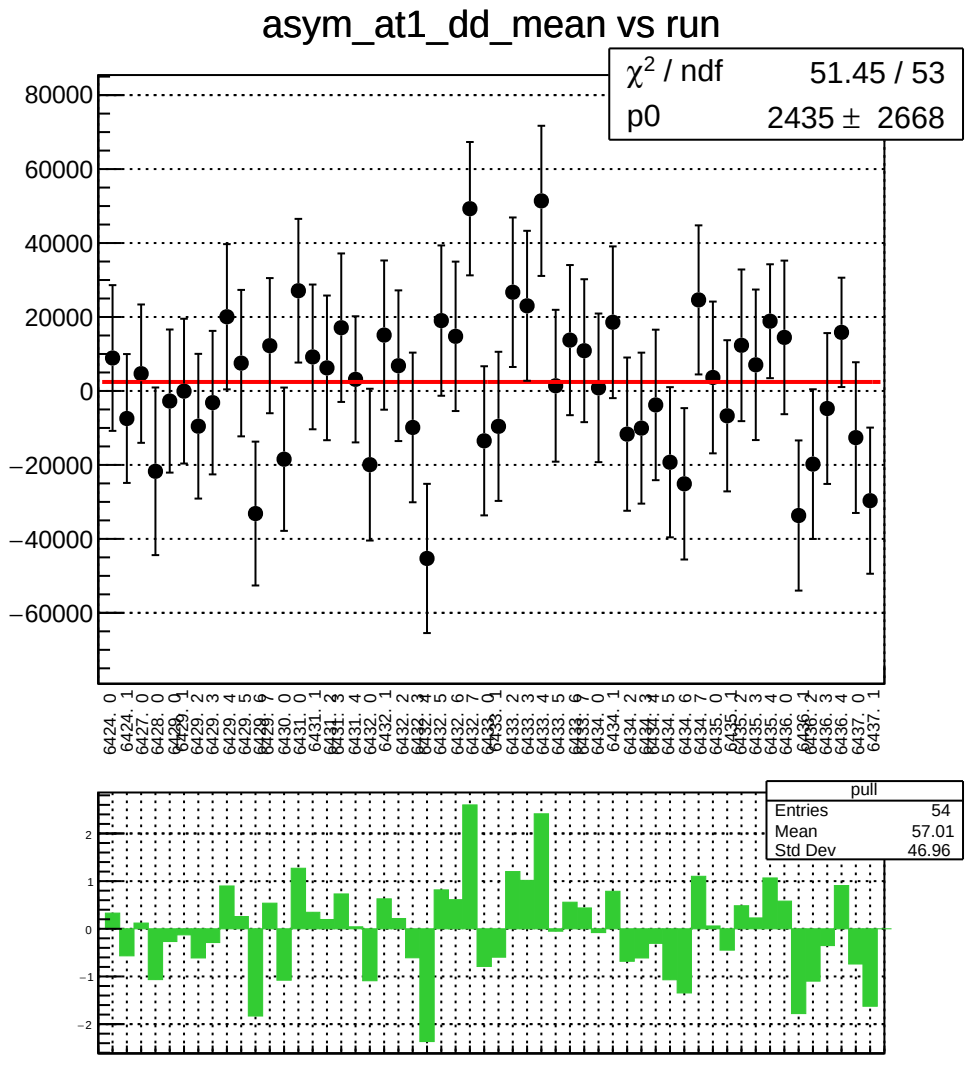
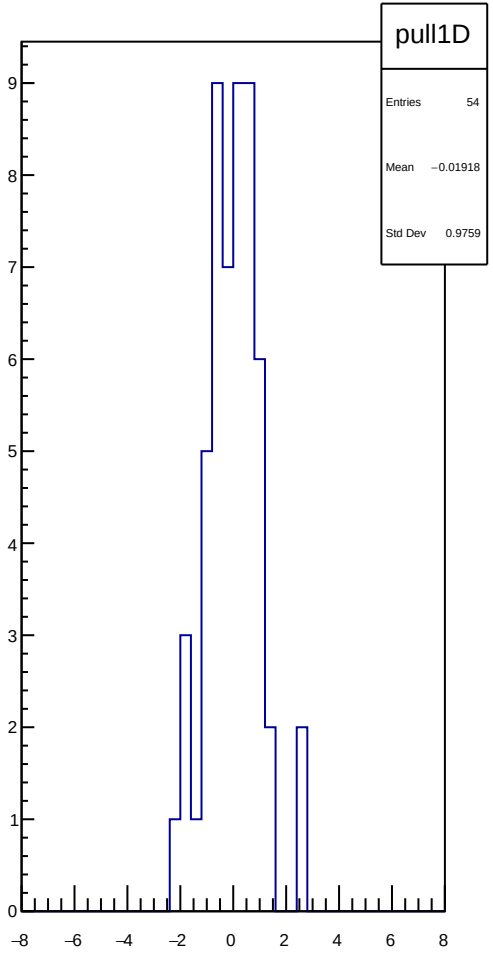
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

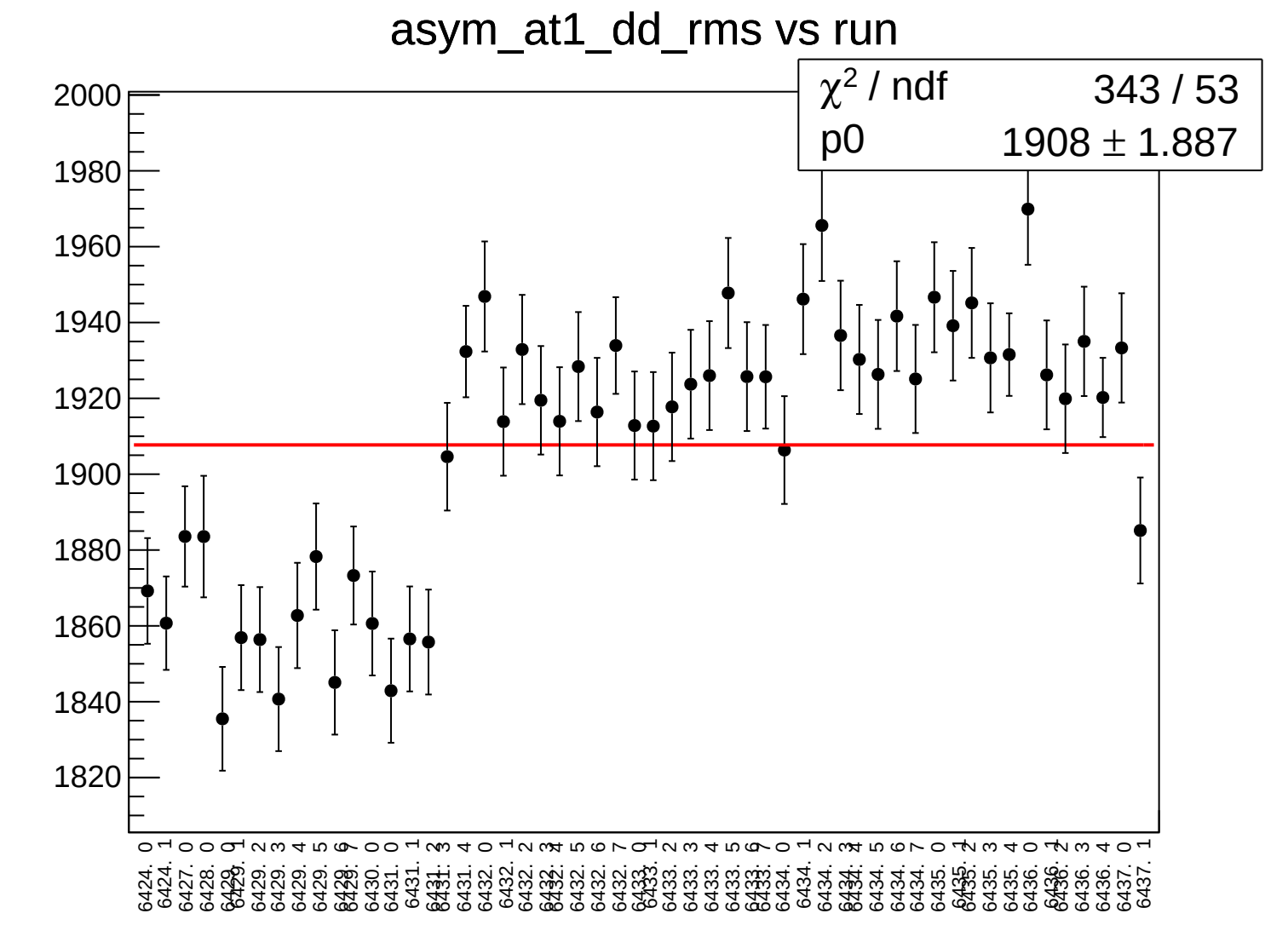

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.8 / 53
p0 −557.5 ± 696.5
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 84.43
Std Dev 0
2
1
0
−1
−2
−3

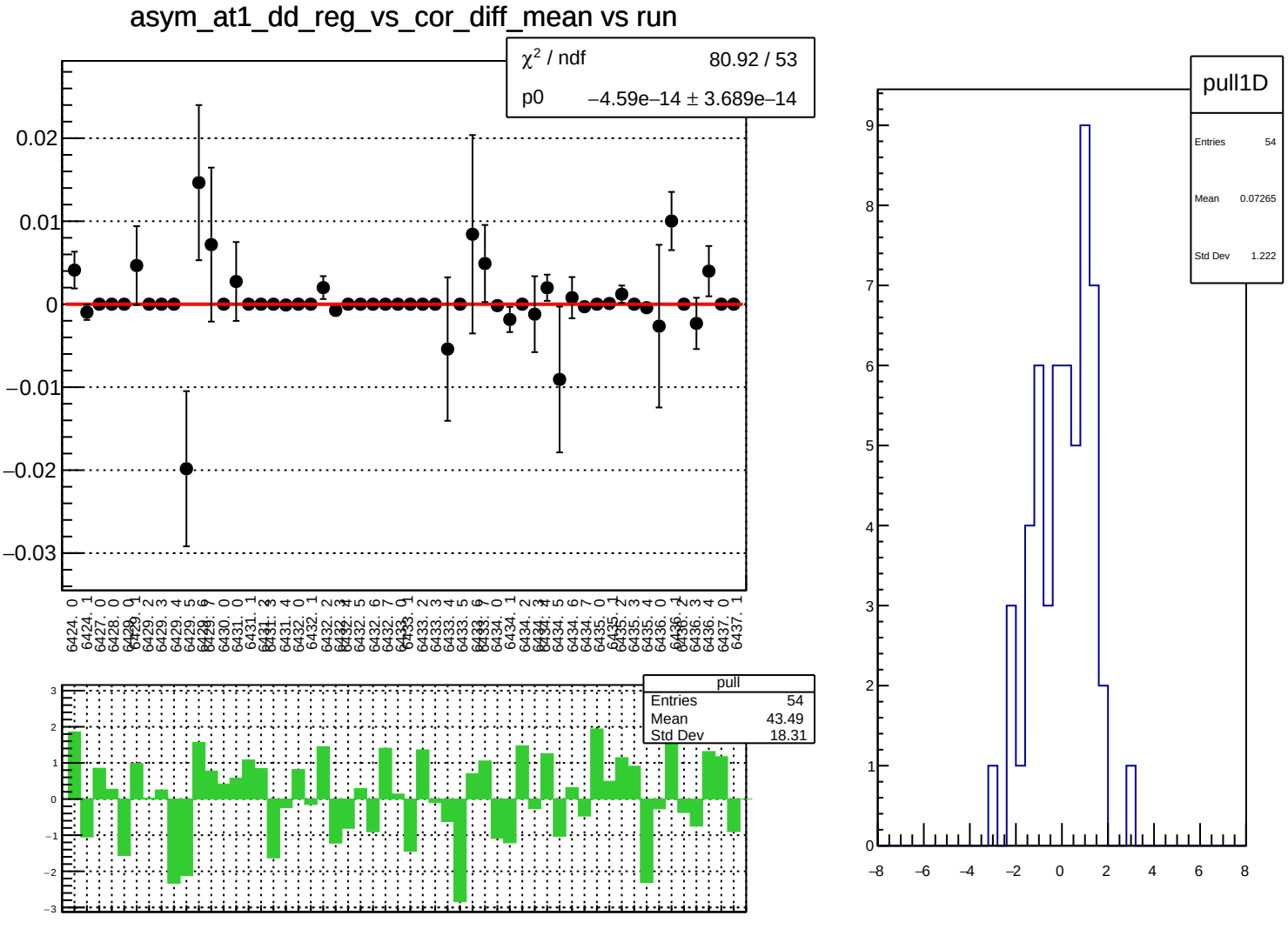

pull1D
Entries 54
Mean −0.009636
Std Dev 1.261
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

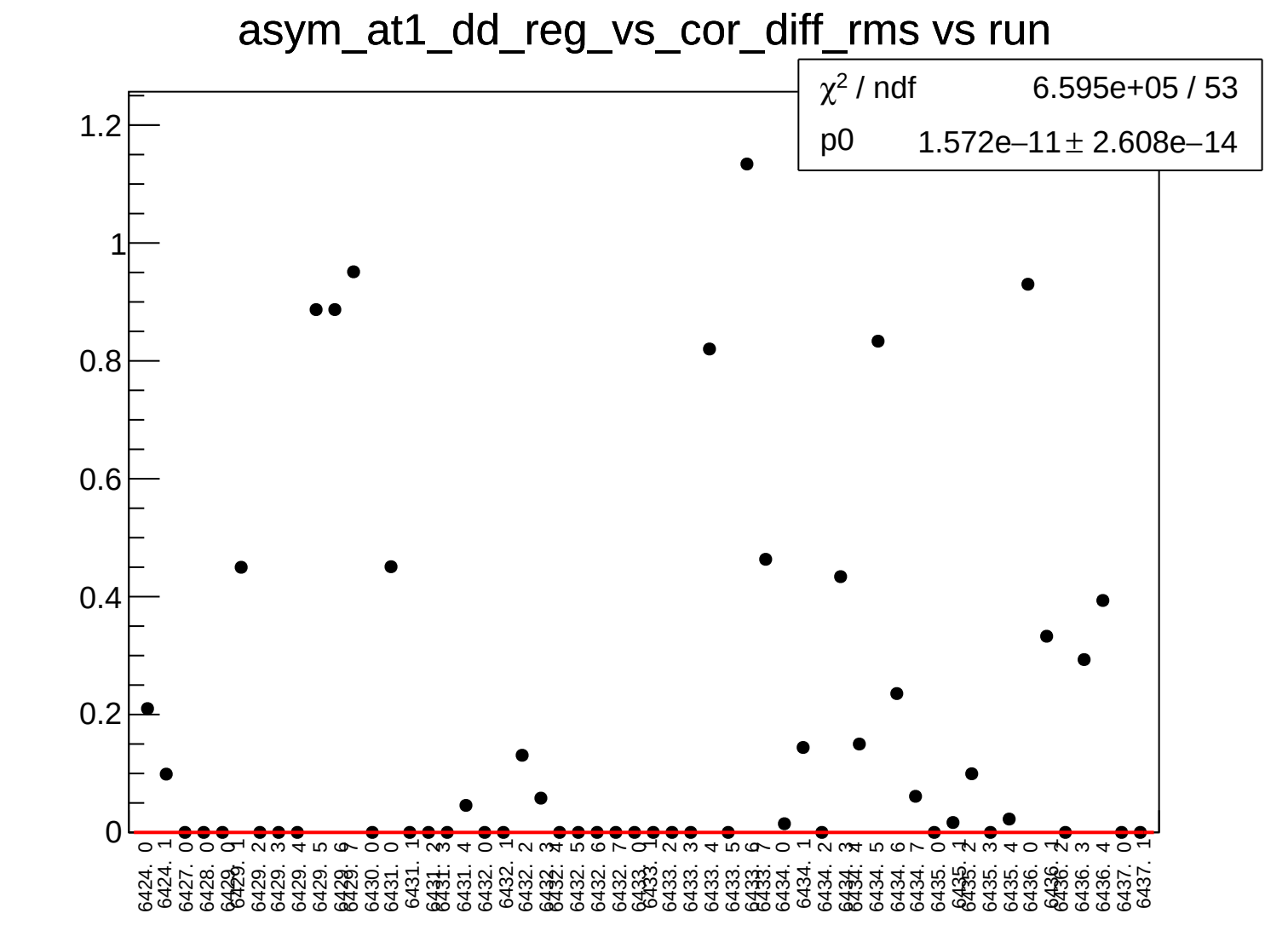

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2481 / 53
p0 497.4 ± 0.4925
580
560
540
520
500
480
460
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_at1_dd_mean vs run
χ² / ndf 51.45 / 53
p0 2435 ± 2668
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 57.01
Std Dev 46.96
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01918
Std Dev 0.9759
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ² / ndf 343 / 53
p0 1908 ± 1.887
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.92 / 53
p0 −4.59e−14 ± 3.689e−14
pull
Entries 54
Mean 43.49
Std Dev 18.31
pull1D
Entries 54
Mean 0.07265
Std Dev 1.222


asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.595e+05 / 53
p0 1.572e−11 ± 2.608e−14
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
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6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6434. 6
6434. 7
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6435. 1
6435. 2
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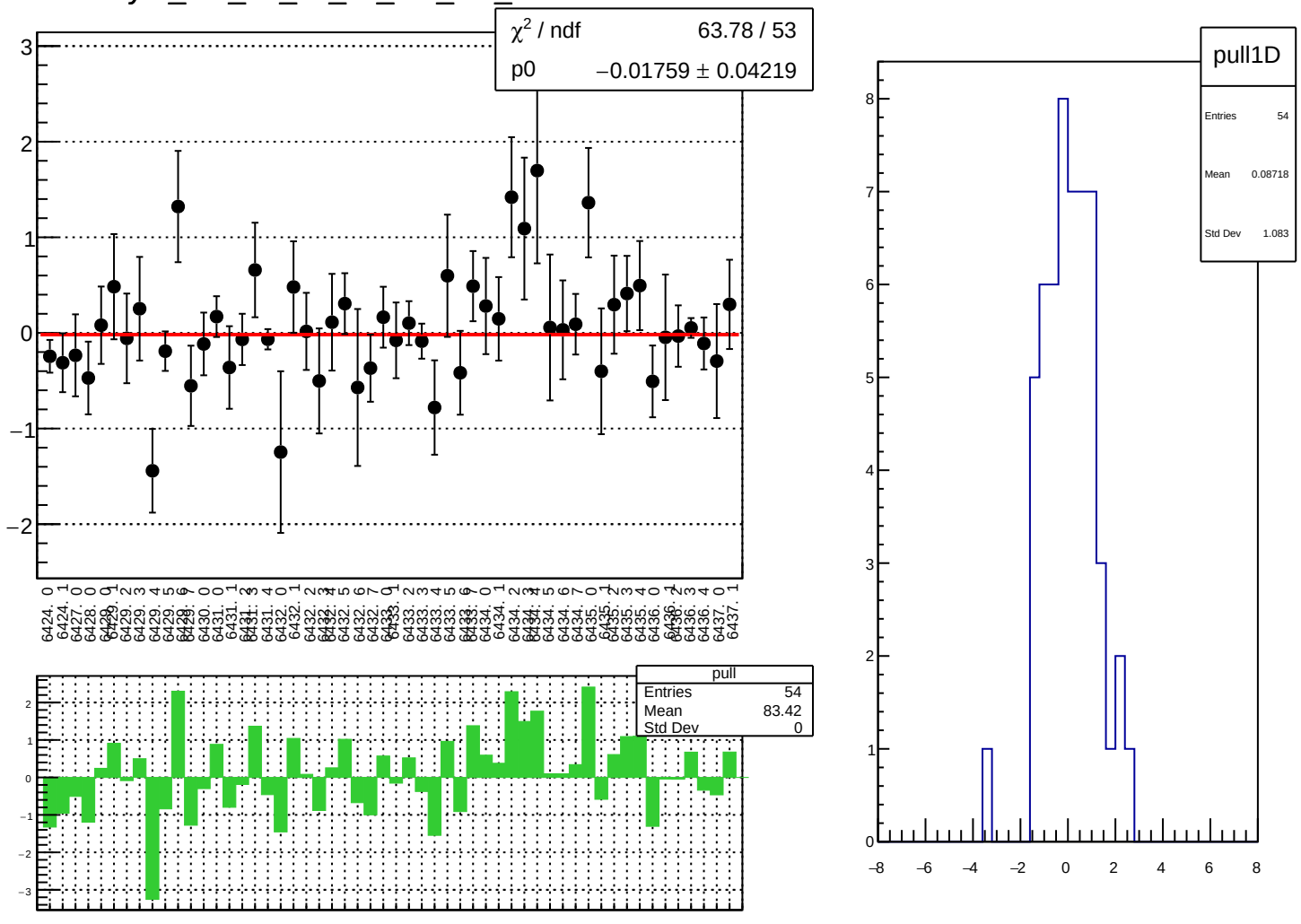
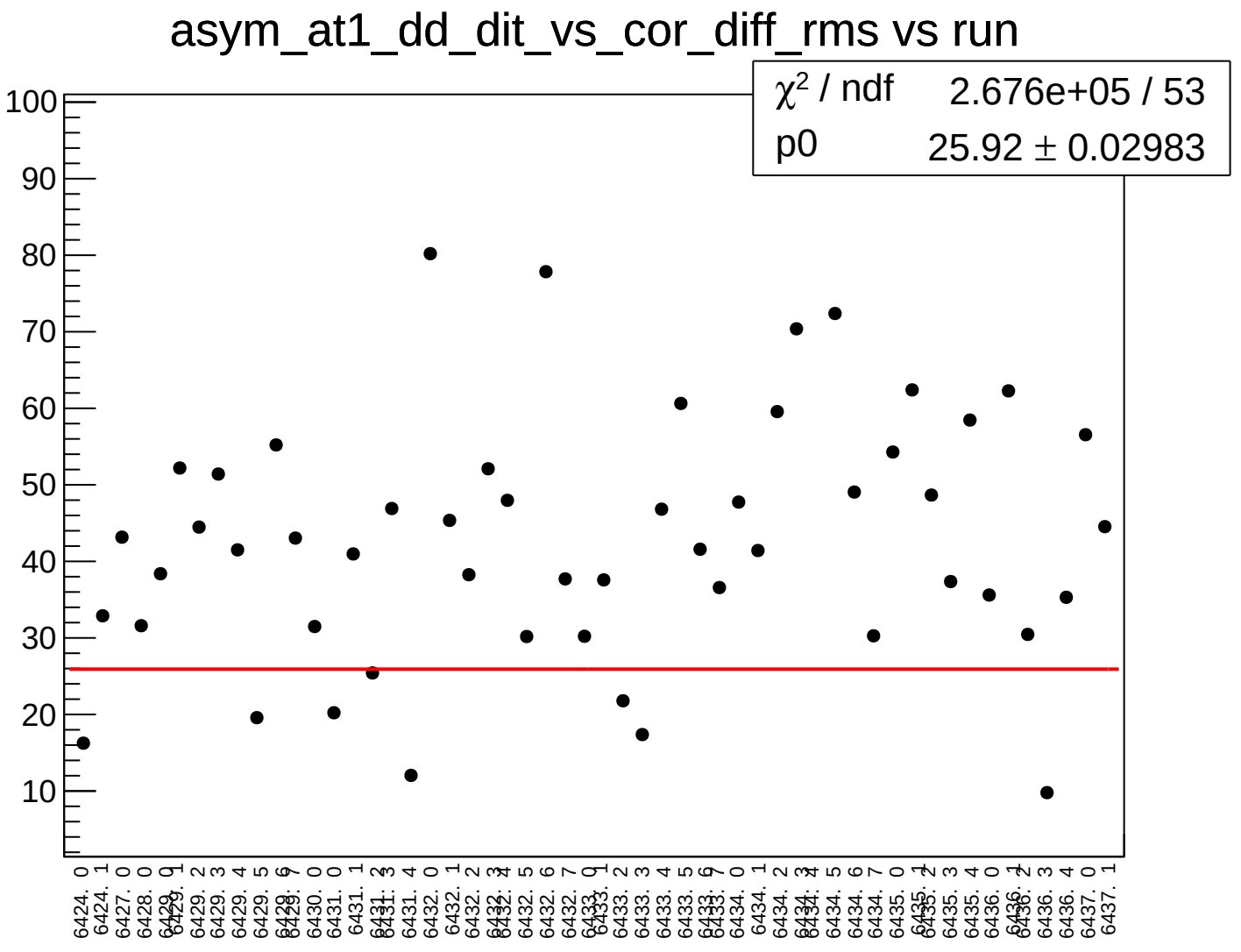
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.78 / 53
p0 −0.01759 ± 0.04219
pull
Entries 54
Mean 83.42
Std Dev 0
pull1D
Entries 54
Mean 0.08718
Std Dev 1.083


asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.676e+05 / 53
p0 25.92 ± 0.02983
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 1
6434. 2
6434. 5
6434. 6
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6435. 0
6435. 3
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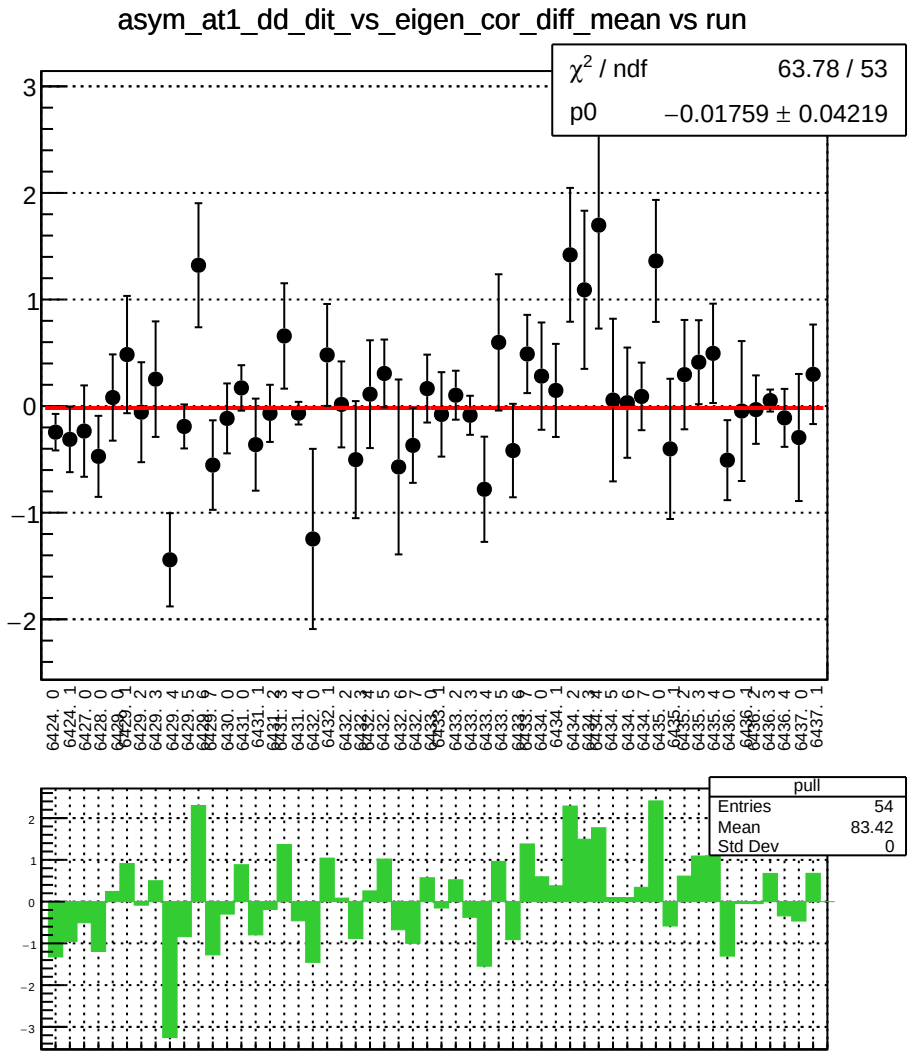
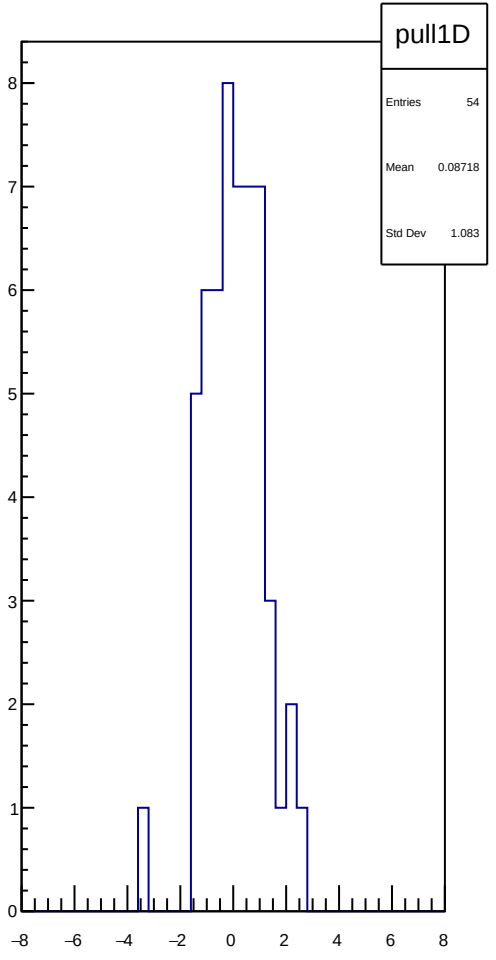
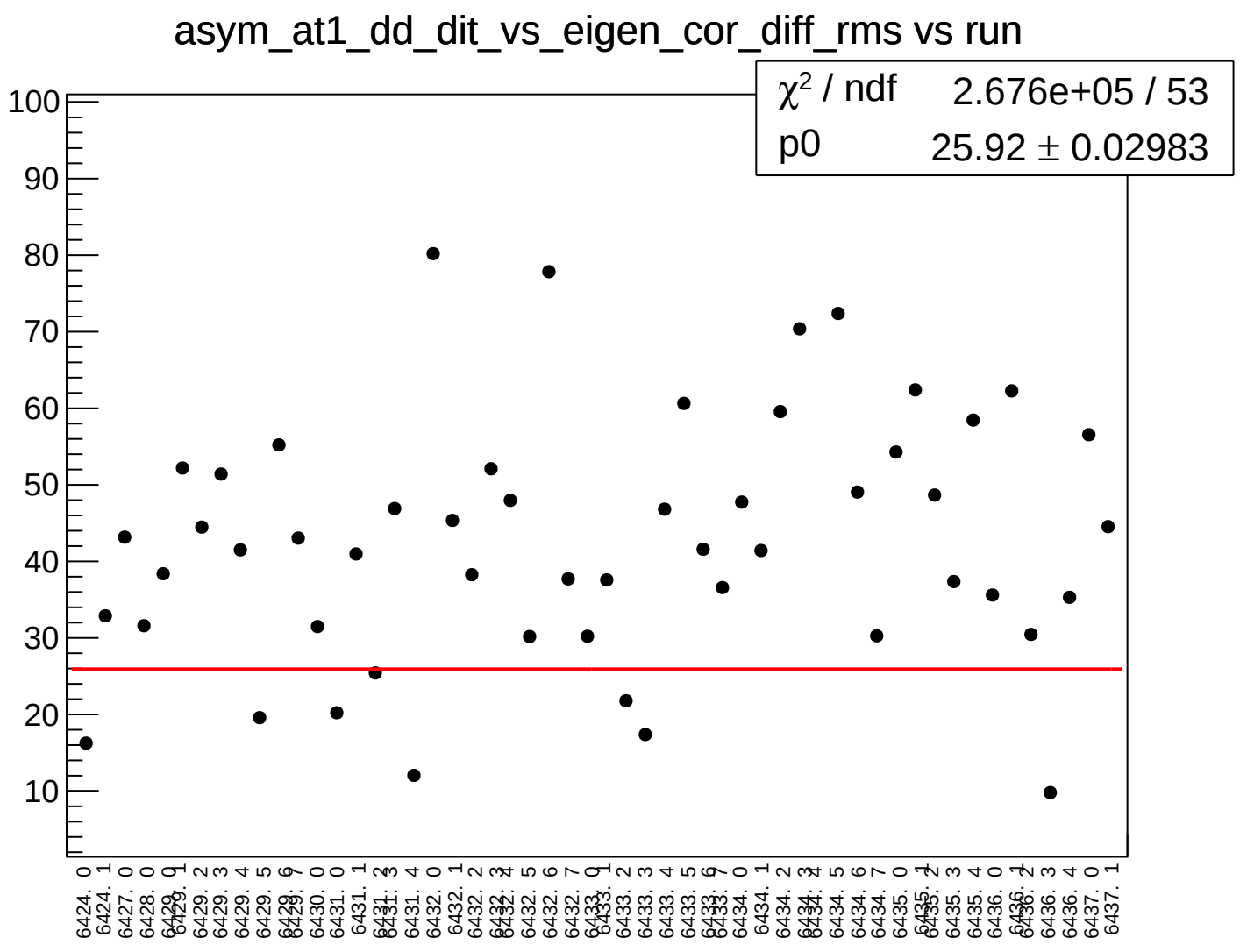
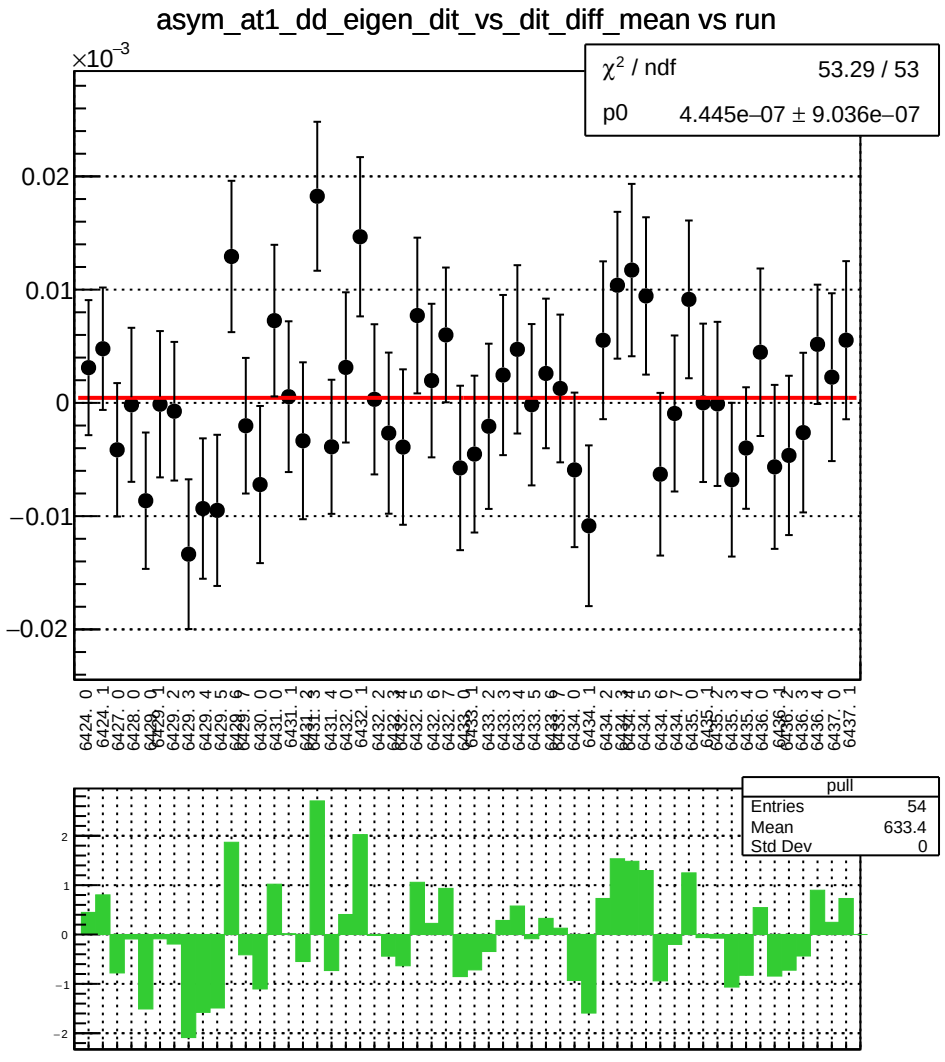
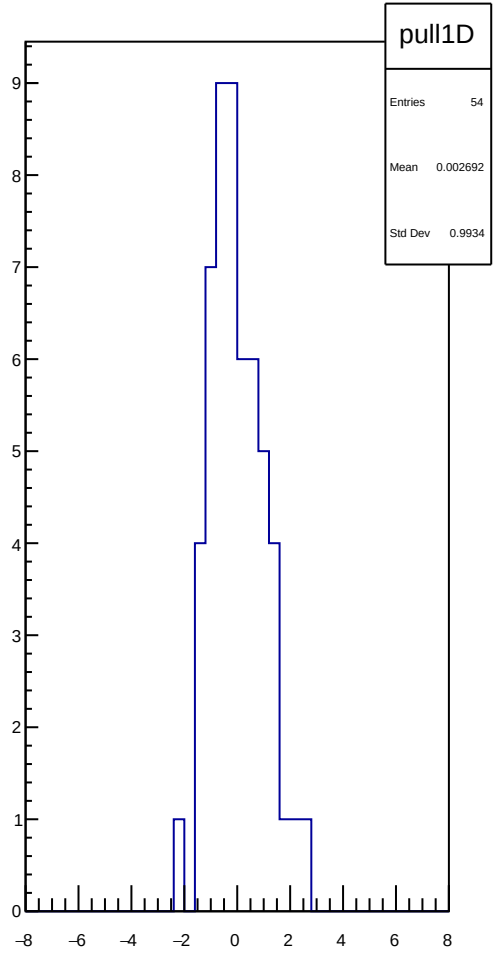
6437. 0
6437. 1

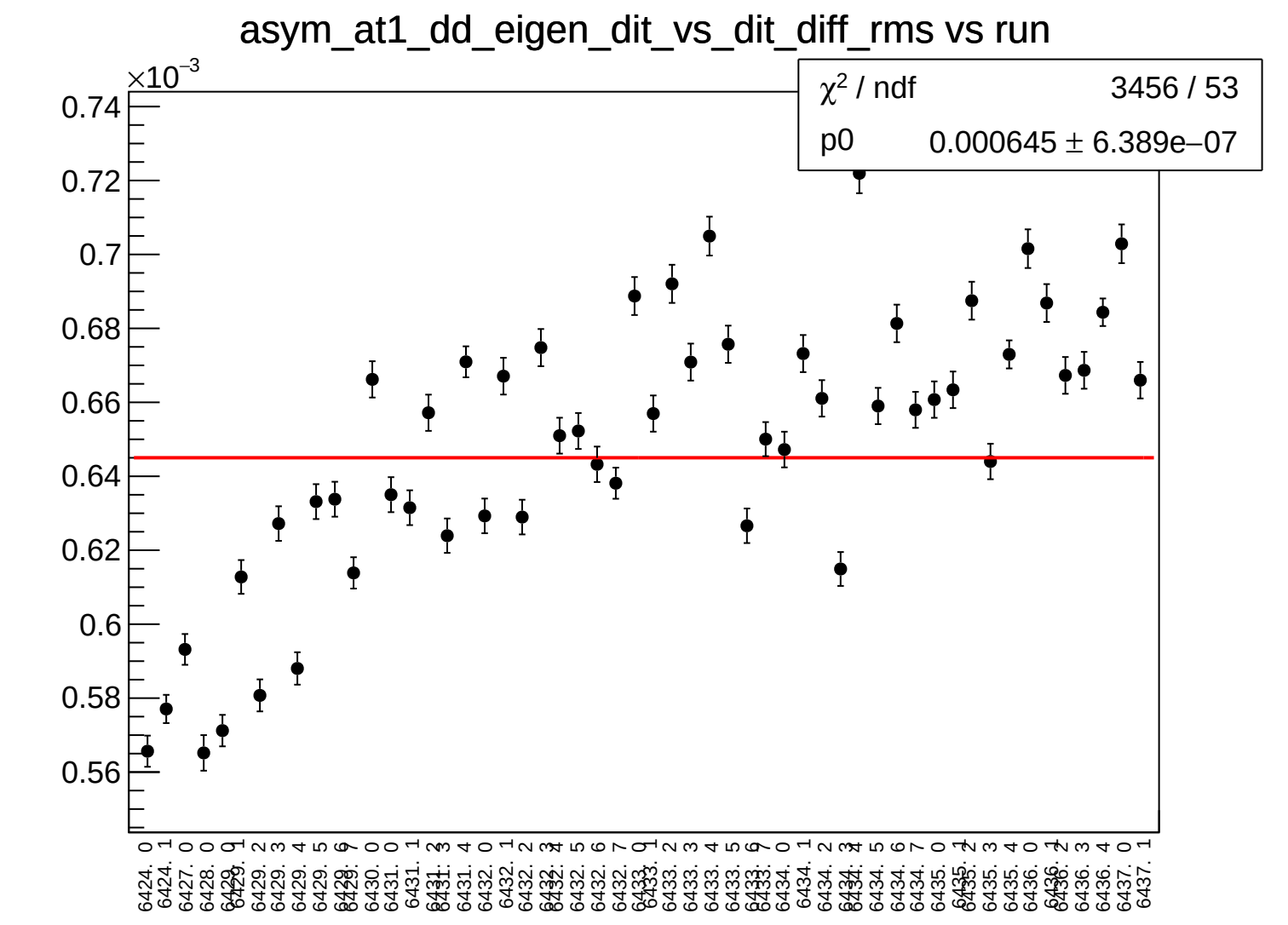

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.78 / 53
p0 −0.01759 ± 0.04219
pull
Entries 54
Mean 83.42
Std Dev 0

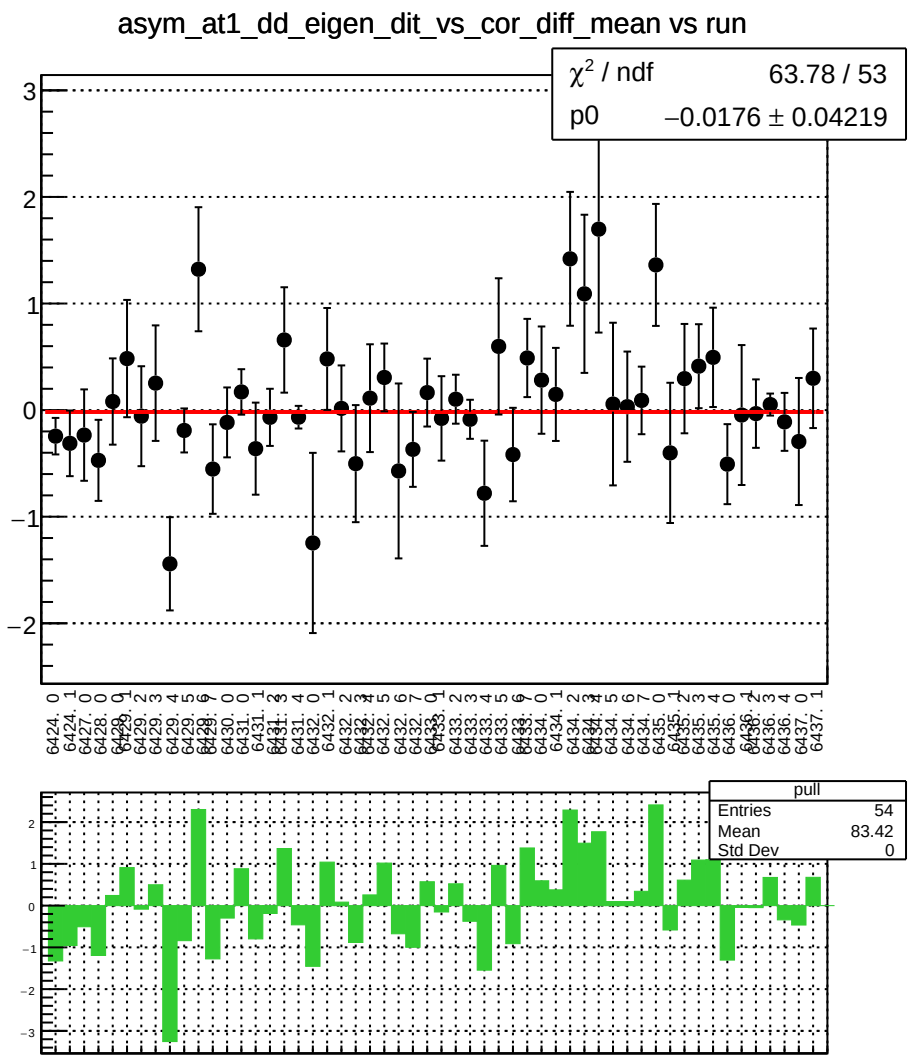

pull1D
Entries 54
Mean 0.08718
Std Dev 1.083

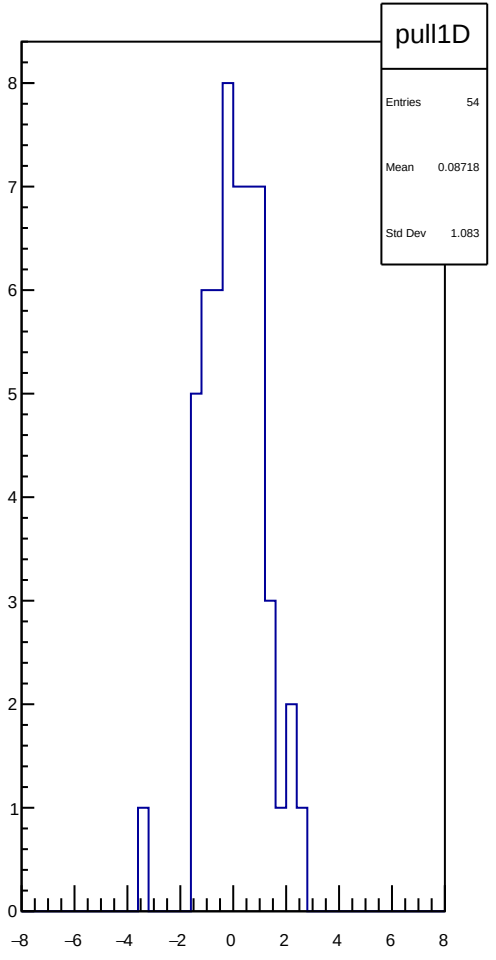

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.676e+05 / 53
p0 25.92 ± 0.02983
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

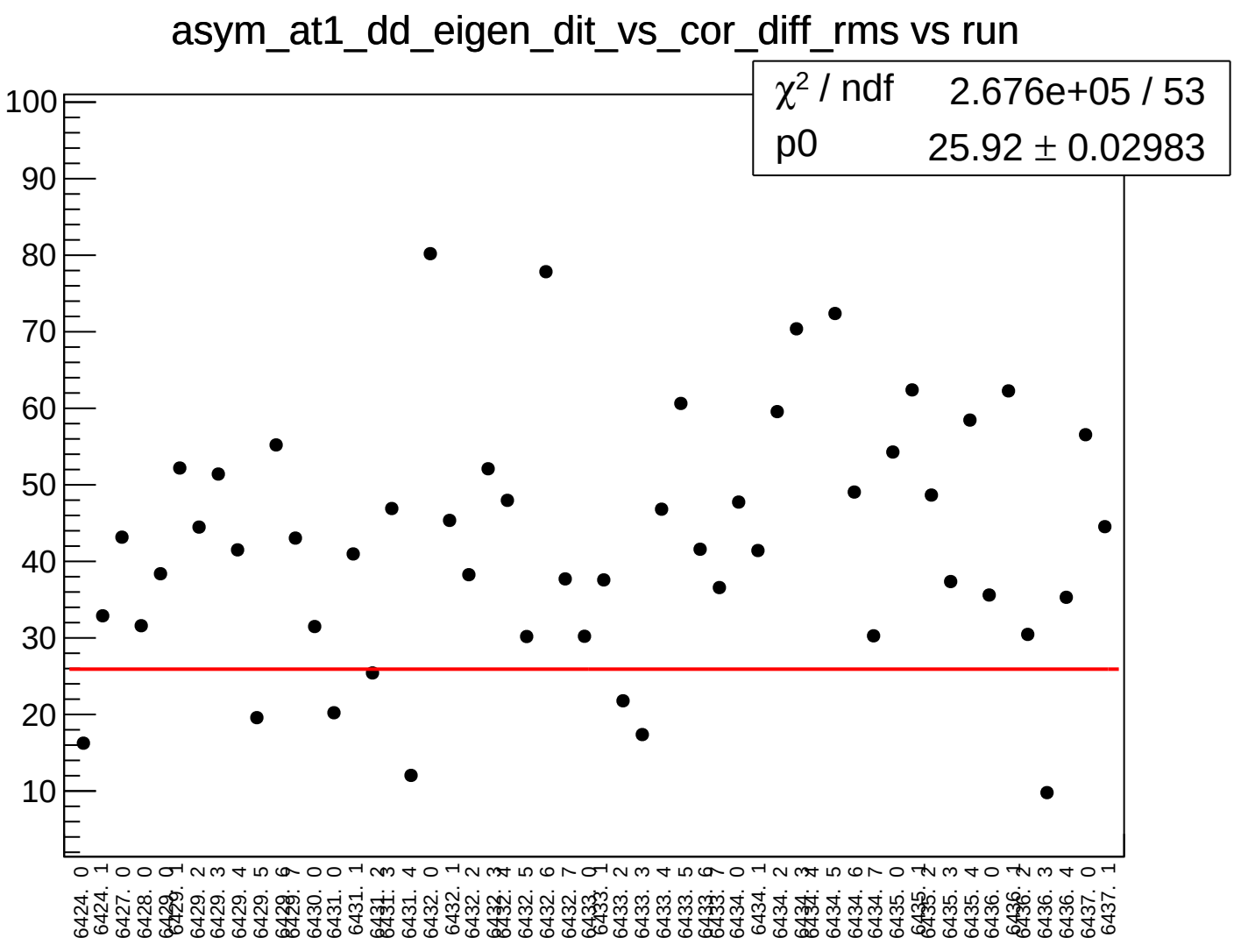

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.29 / 53
p0 4.445e−07 ± 9.036e−07
pull
Entries 54
Mean 633.4
Std Dev 0

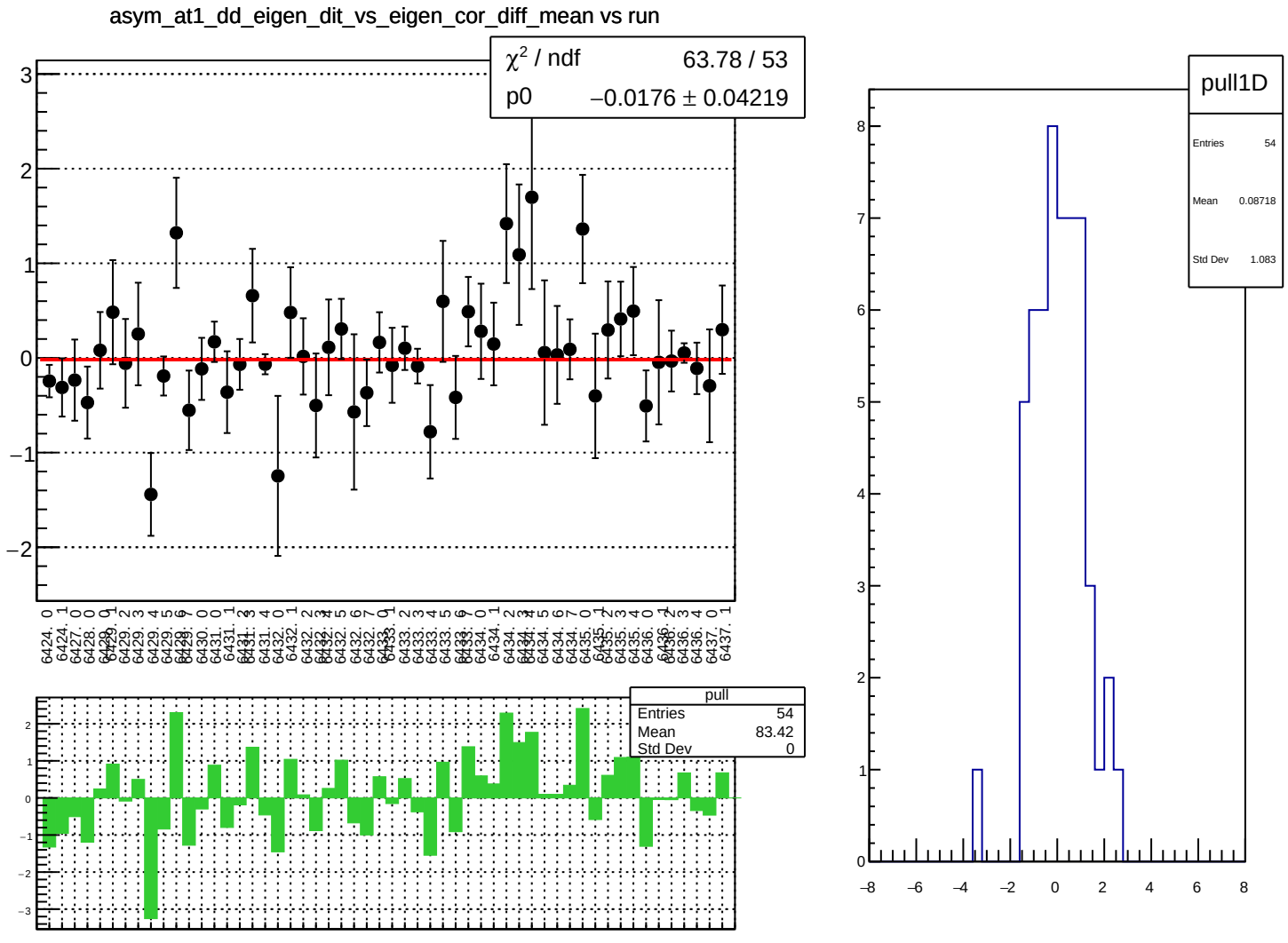

pull1D
Entries 54
Mean 0.002692
Std Dev 0.9934

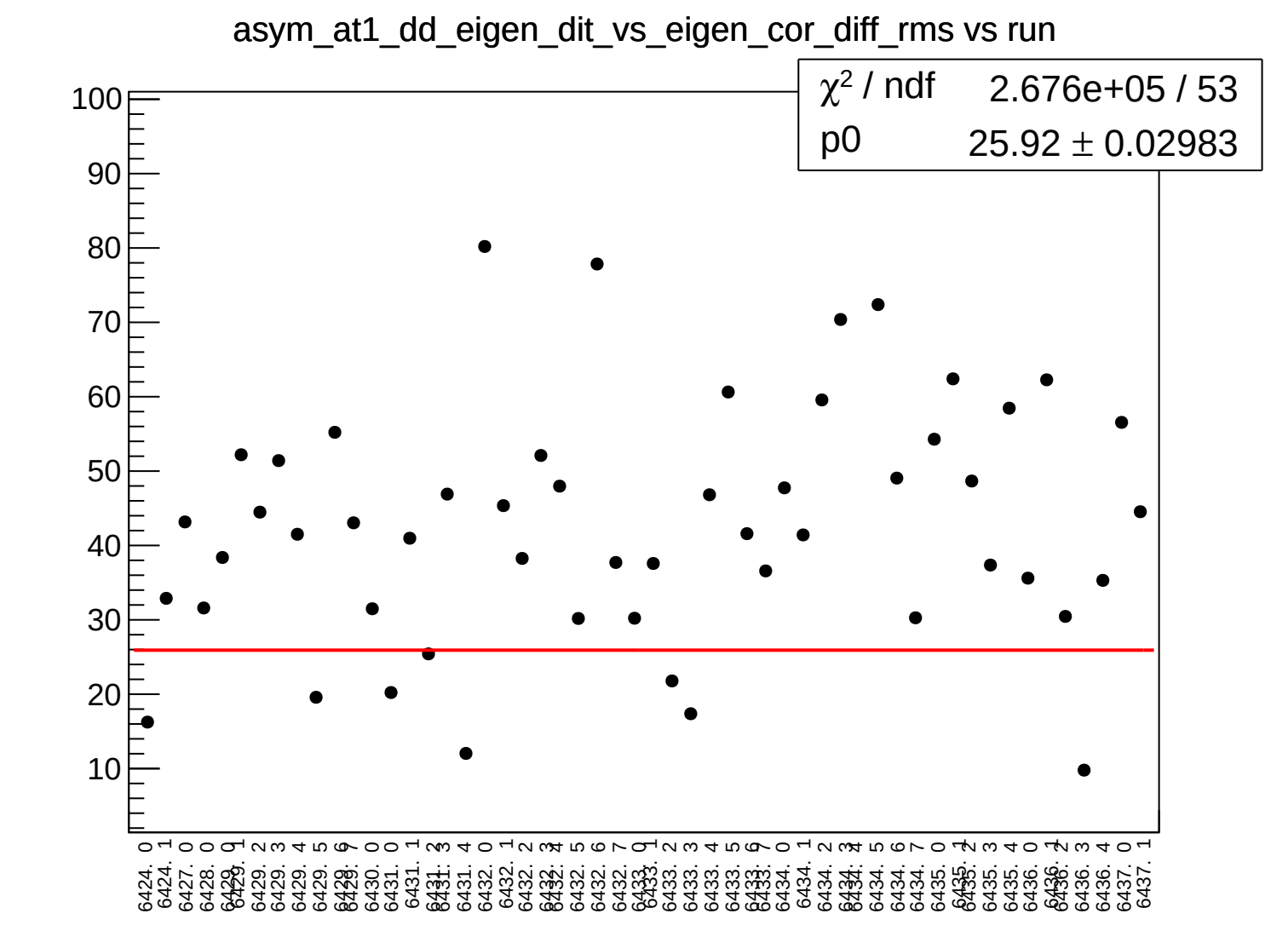

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3456 / 53
p0 0.000645 ± 6.389e−07
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

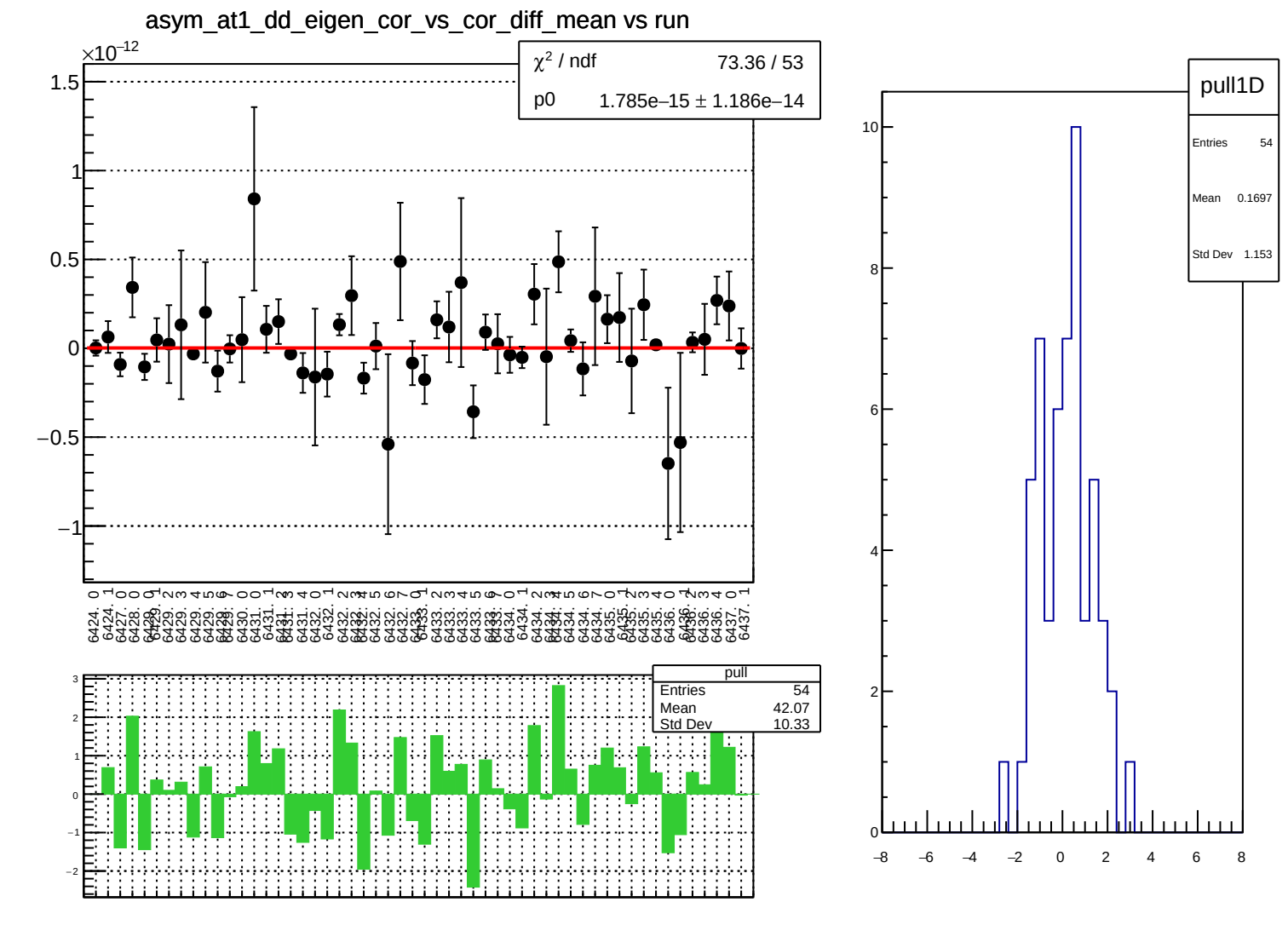

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.78 / 53
p0 −0.0176 ± 0.04219
pull
Entries 54
Mean 83.42
Std Dev 0

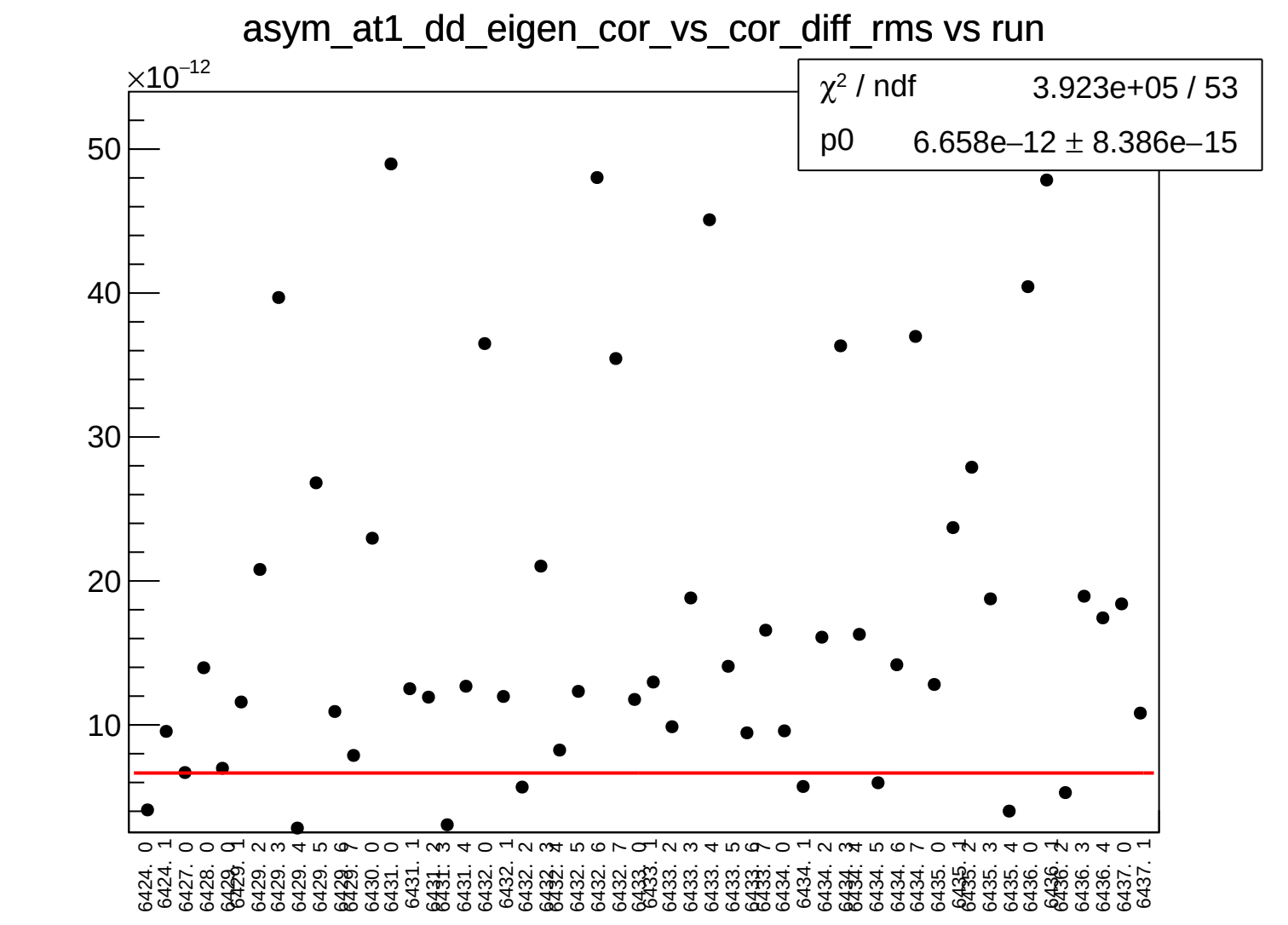

pull1D
Entries 54
Mean 0.08718
Std Dev 1.083

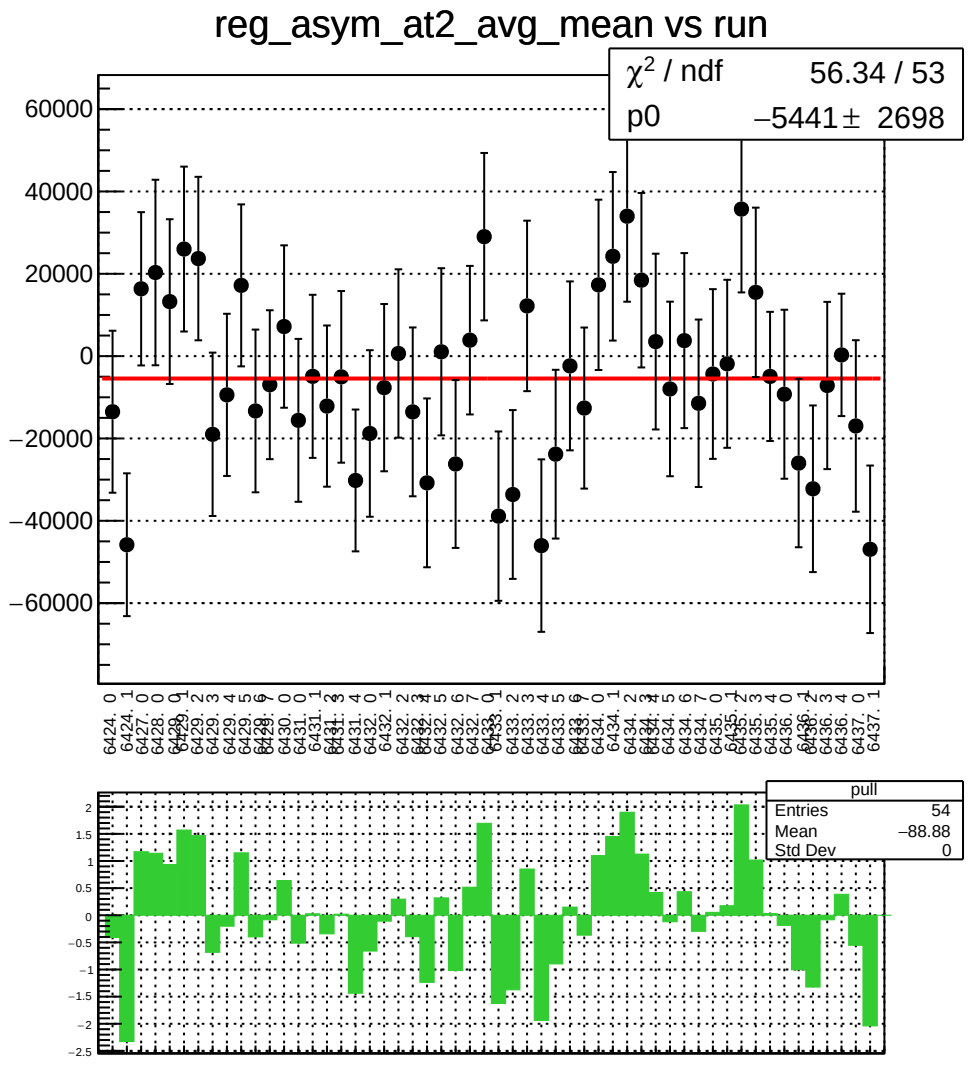

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.676e+05 / 53
p0 25.92 ± 0.02983
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

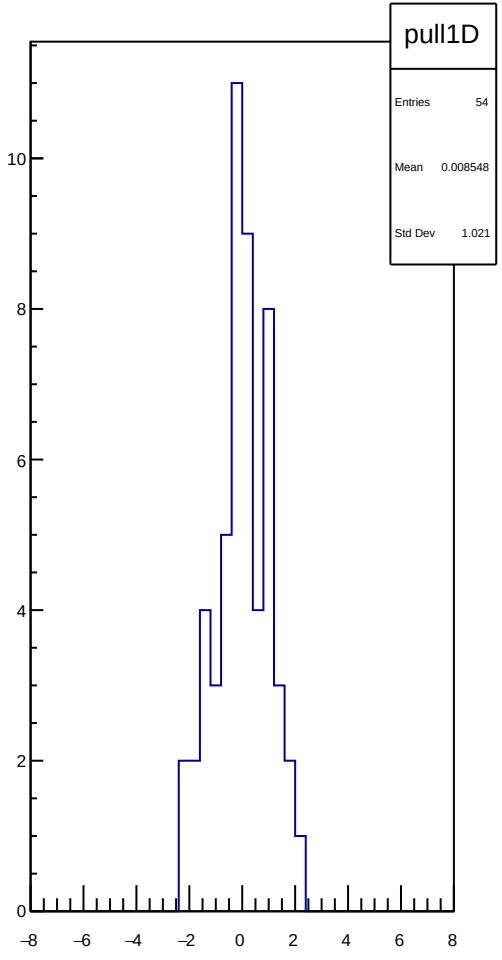

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.78 / 53
p0 −0.0176 ± 0.04219
pull
Entries 54
Mean 83.42
Std Dev 0
pull1D
Entries 54
Mean 0.08718
Std Dev 1.083

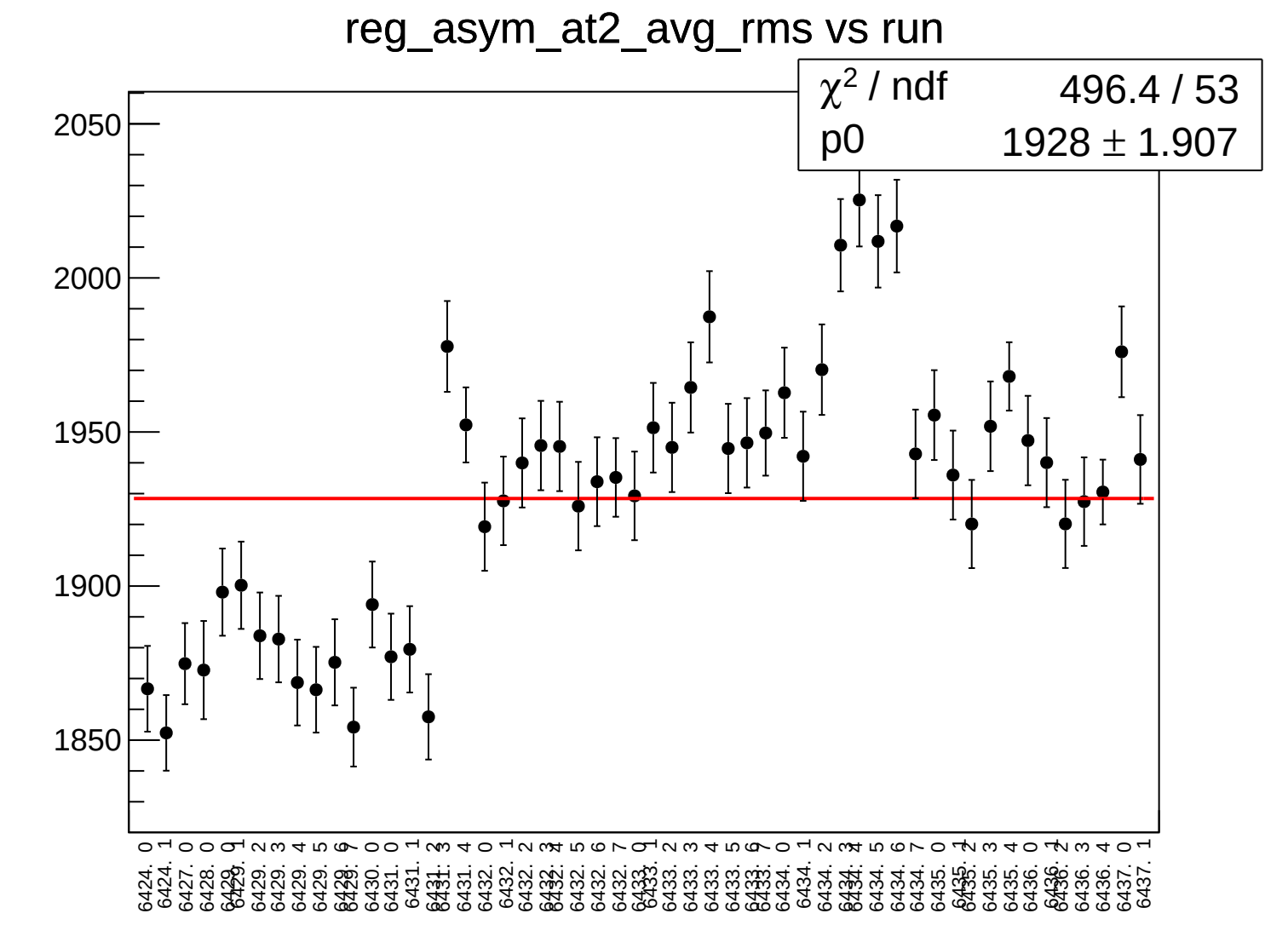

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.676e+05 / 53
p0 25.92 ± 0.02983
100
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

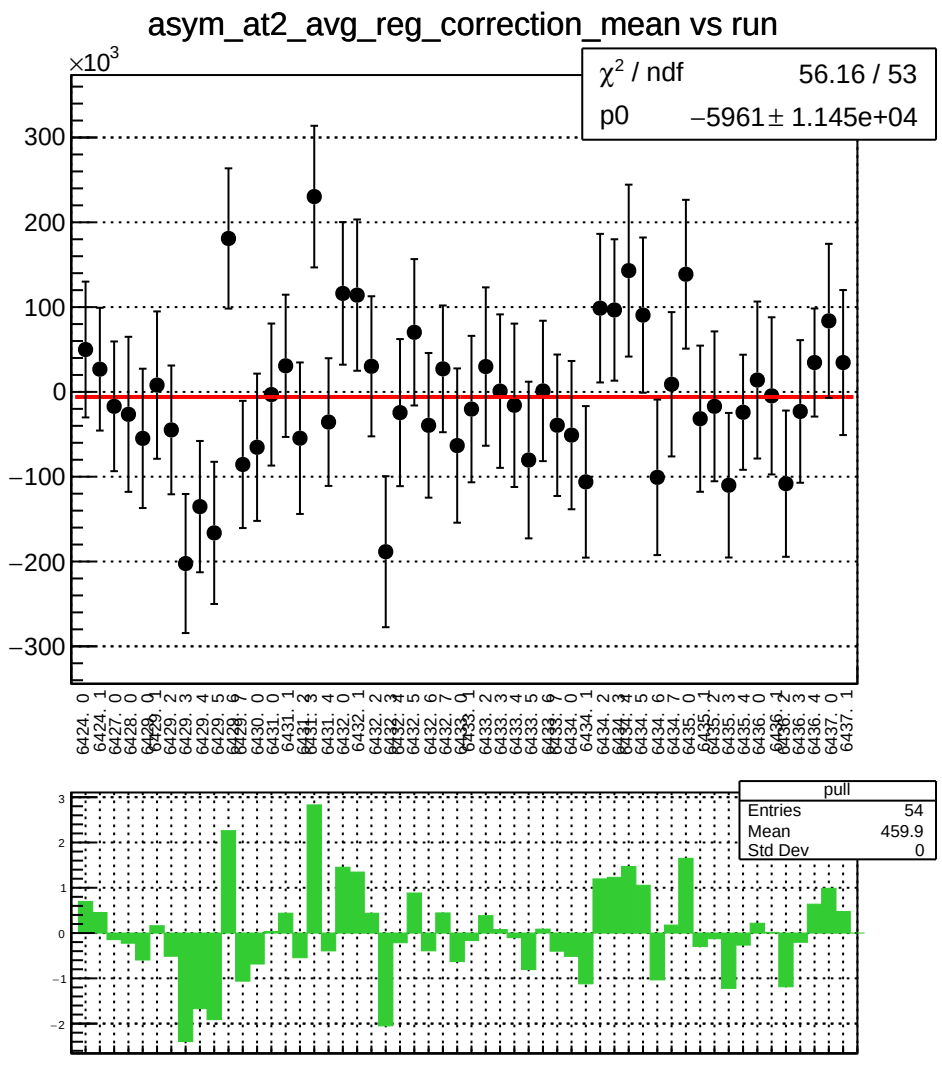

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.36 / 53
p0 1.785e−15 ± 1.186e−14
pull
Entries 54
Mean 42.07
Std Dev 10.33
pull1D
Entries 54
Mean 0.1697
Std Dev 1.153

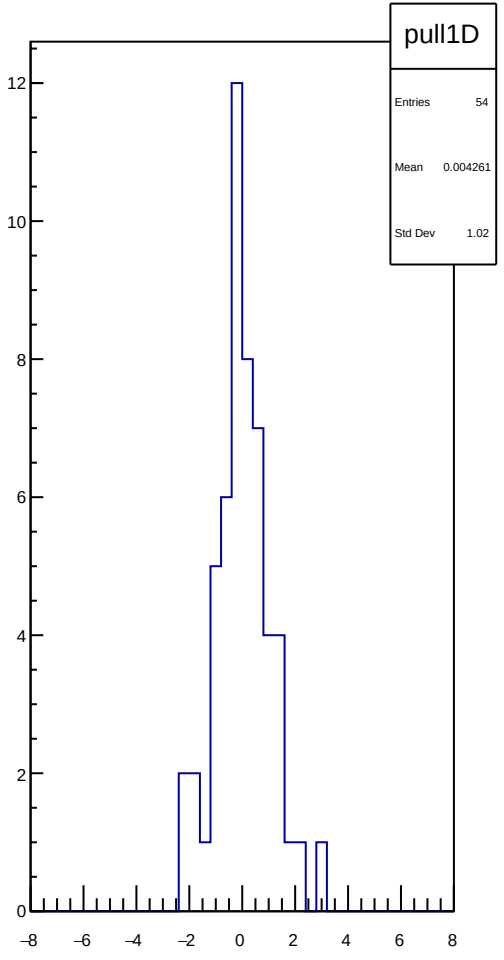

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.923e+05 / 53
p0 6.658e−12 ± 8.386e−15
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

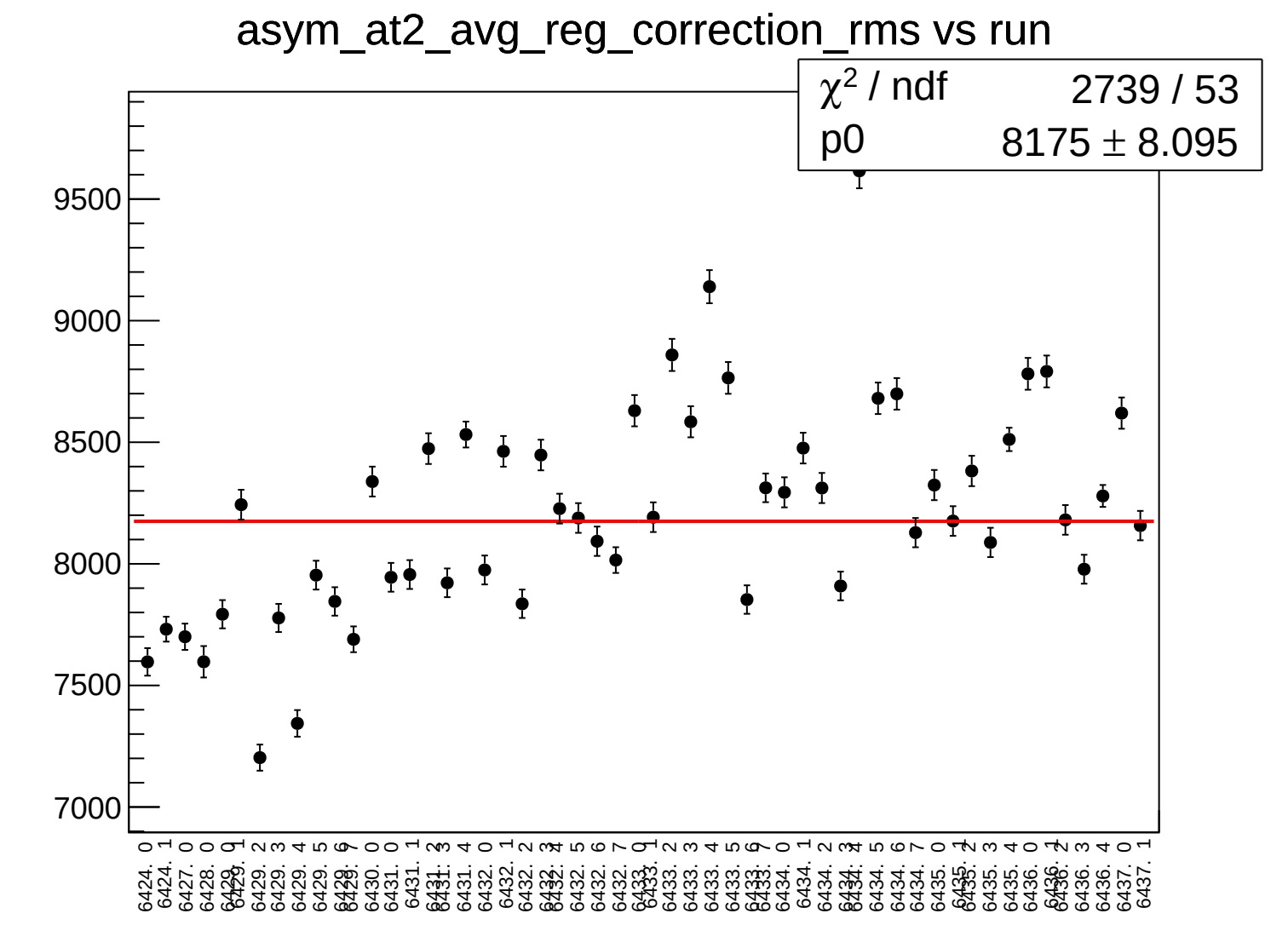

reg_asym_at2_avg_mean vs run
χ² / ndf 56.34 / 53
p0 −5441 ± 2698
pull
Entries 54
Mean −88.88
Std Dev 0

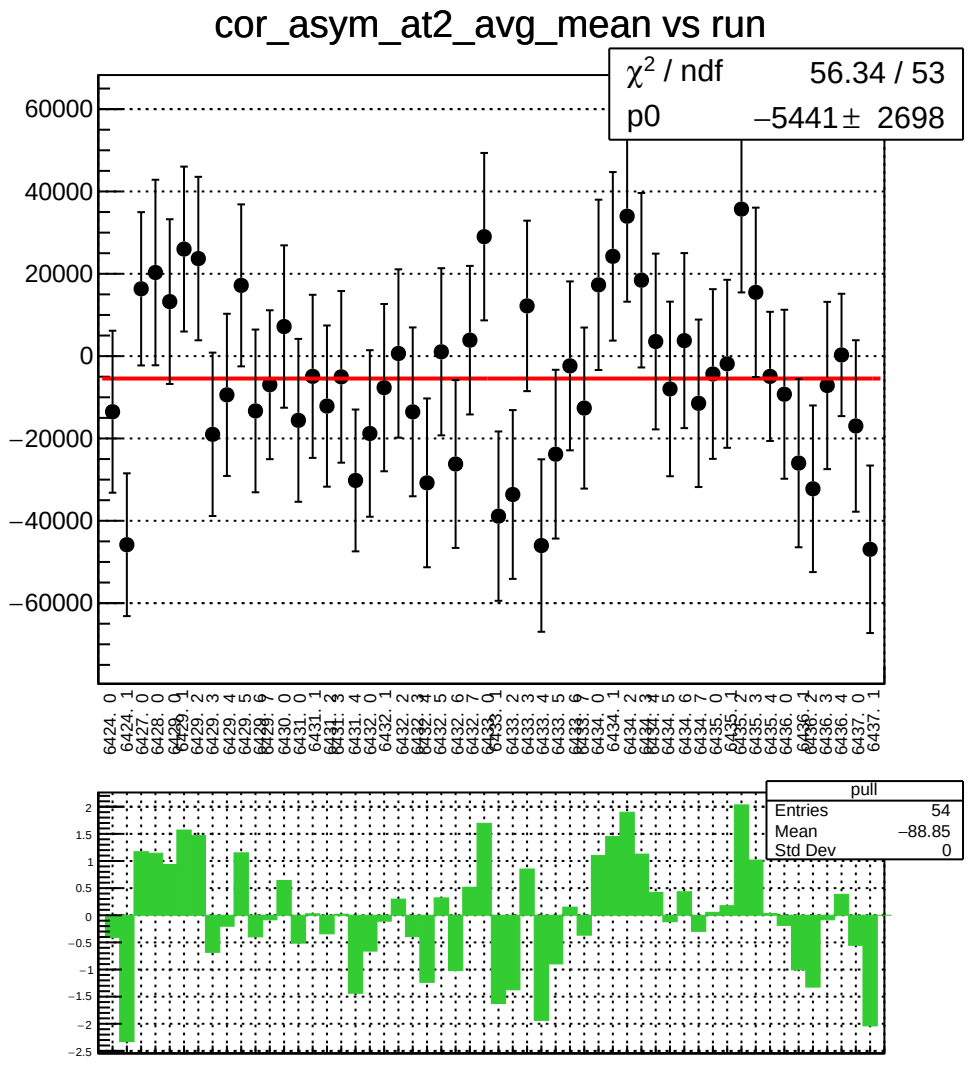

pull1D
Entries 54
Mean 0.008548
Std Dev 1.021

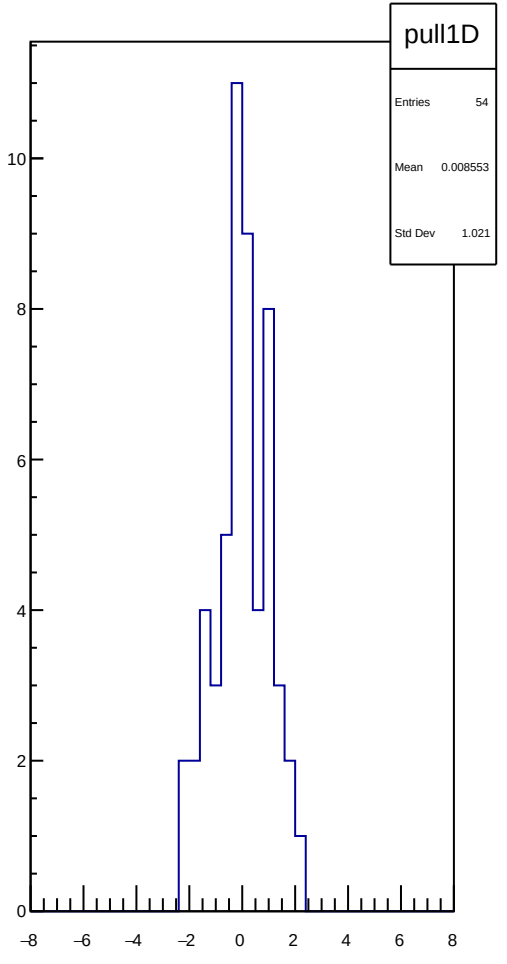

reg_asym_at2_avg_rms vs run
χ² / ndf 496.4 / 53
p0 1928 ± 1.907
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

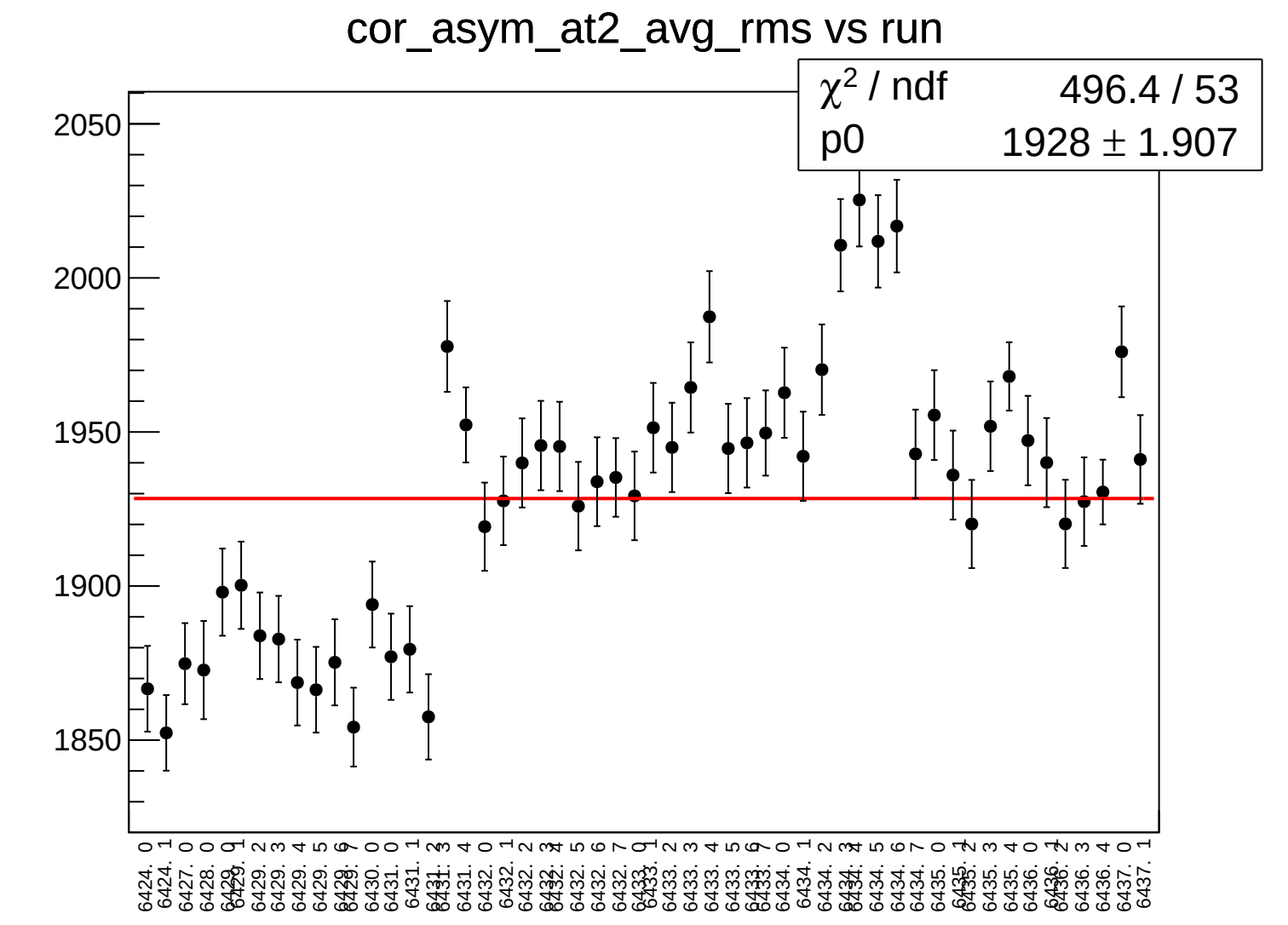

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.16 / 53
p0 −5961 ± 1.145e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 459.9
Std Dev 0
3
2
1
0
−1
−2

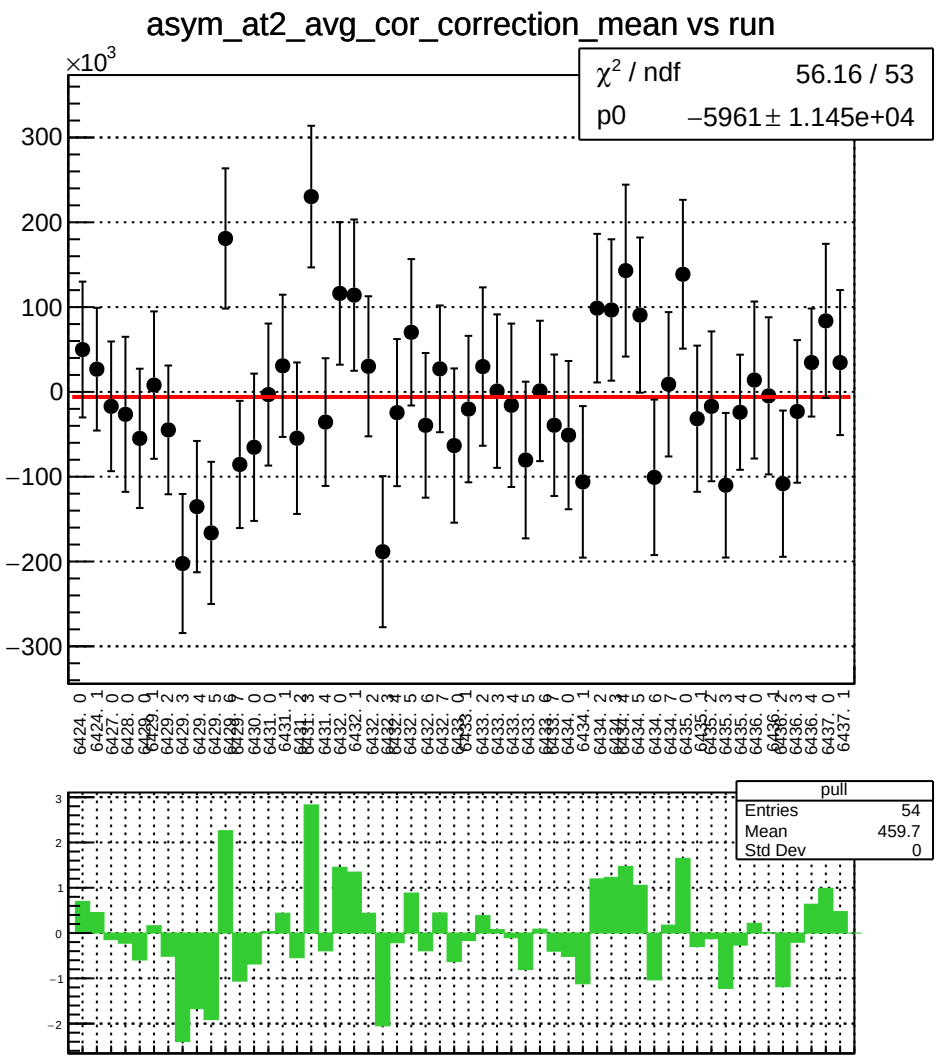

pull1D
Entries 54
Mean 0.004261
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

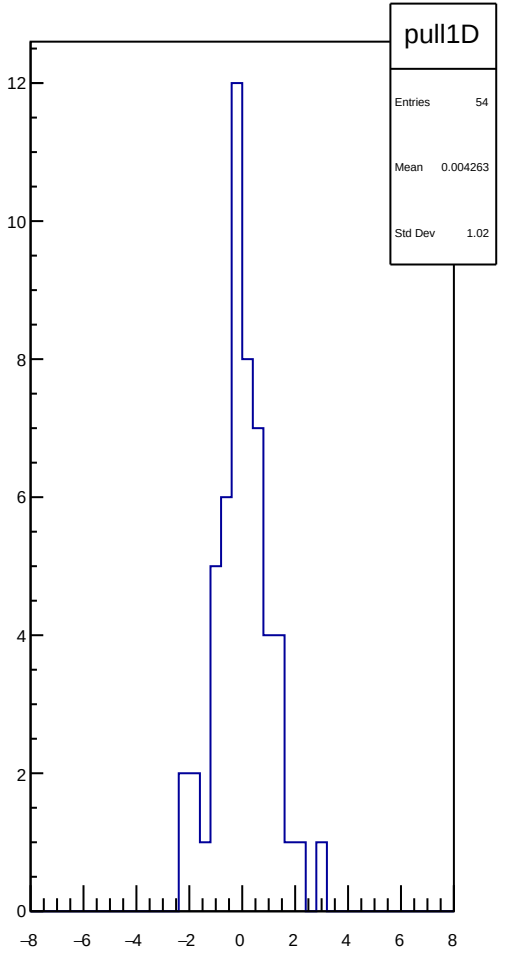

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 2739 / 53
p0 8175 ± 8.095
9500
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

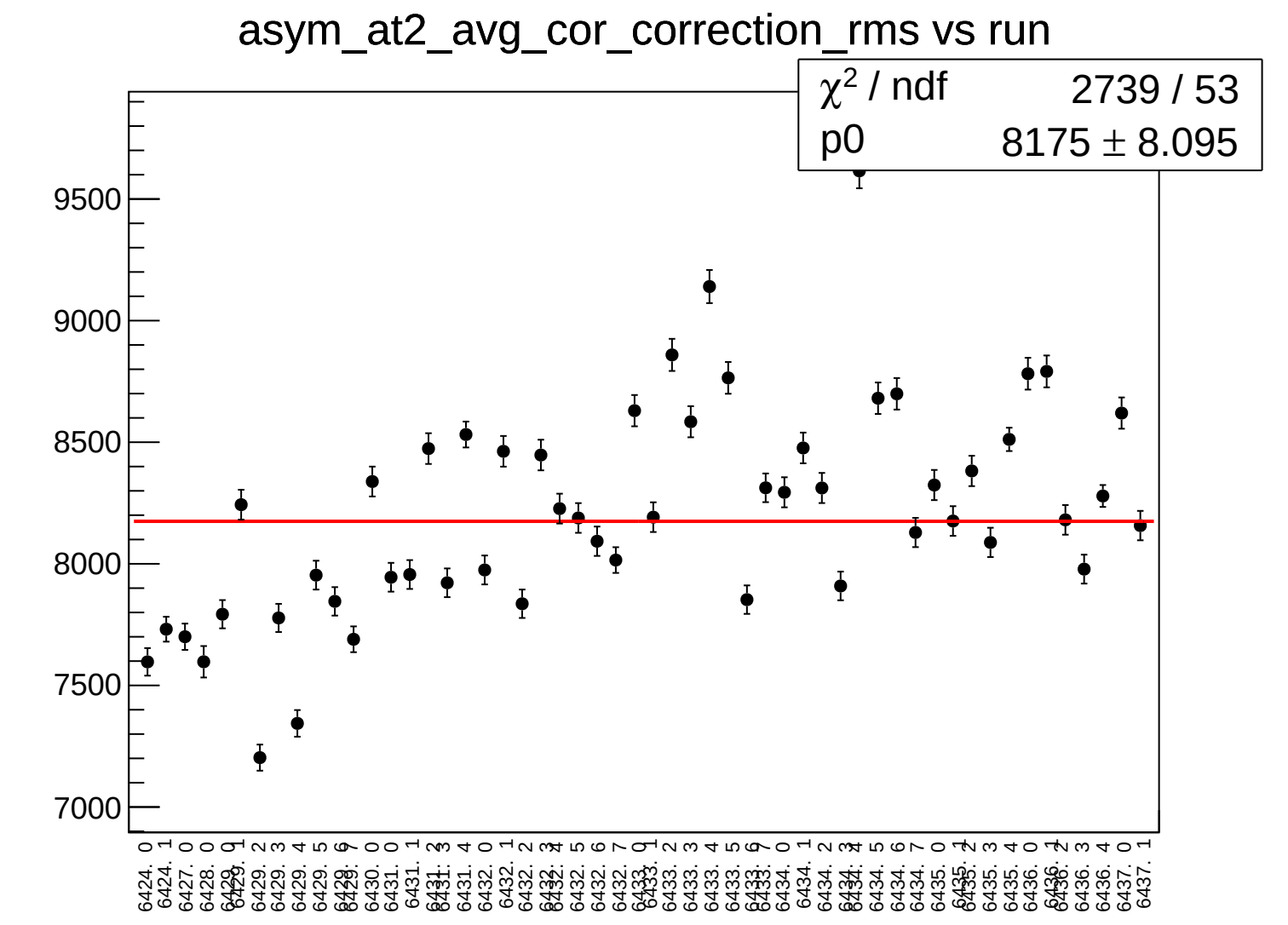

cor_asym_at2_avg_mean vs run
χ² / ndf 56.34 / 53
p0 −5441 ± 2698
pull
Entries 54
Mean −88.85
Std Dev 0

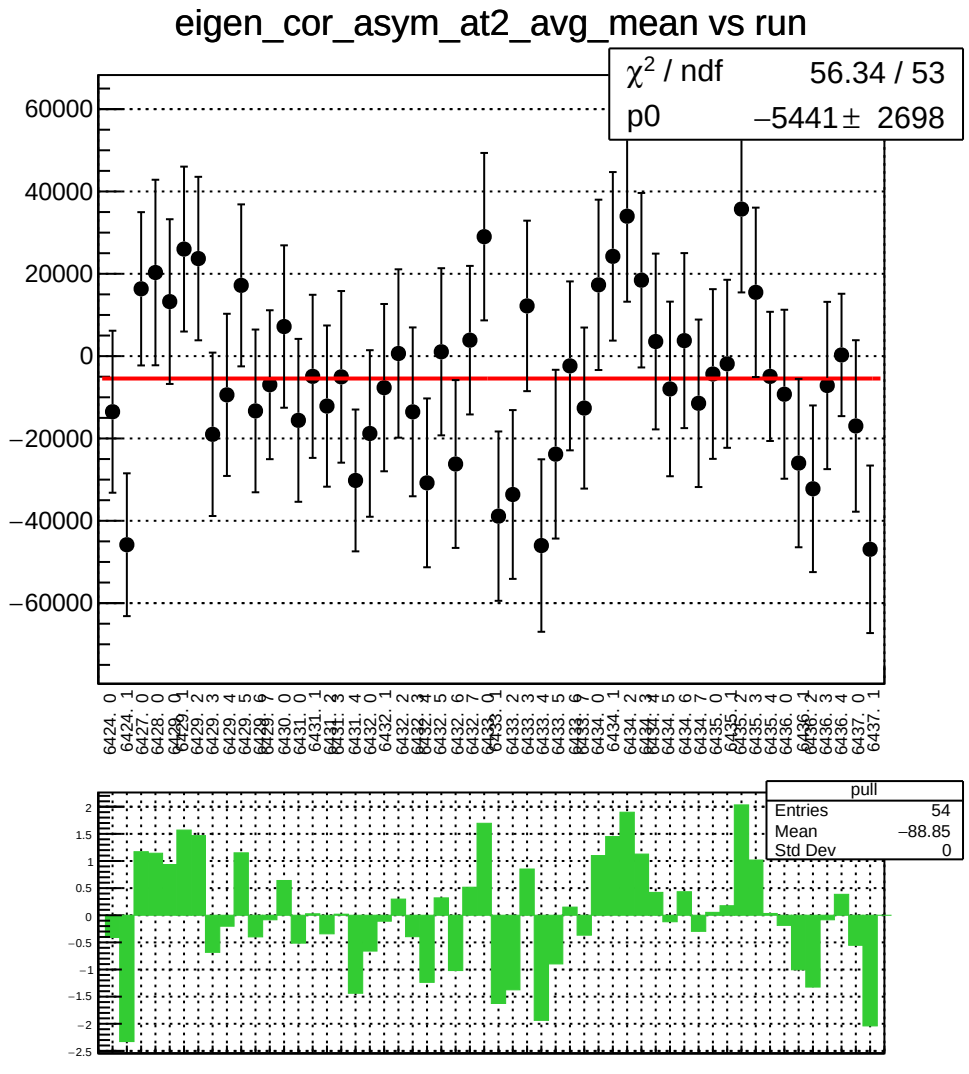

pull1D
Entries 54
Mean 0.008553
Std Dev 1.021

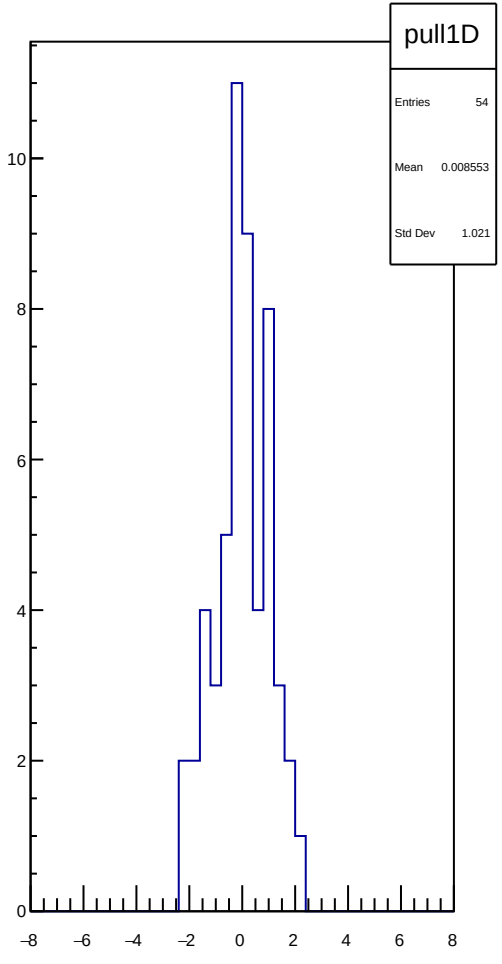

cor_asym_at2_avg_rms vs run
χ² / ndf 496.4 / 53
p0 1928 ± 1.907
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

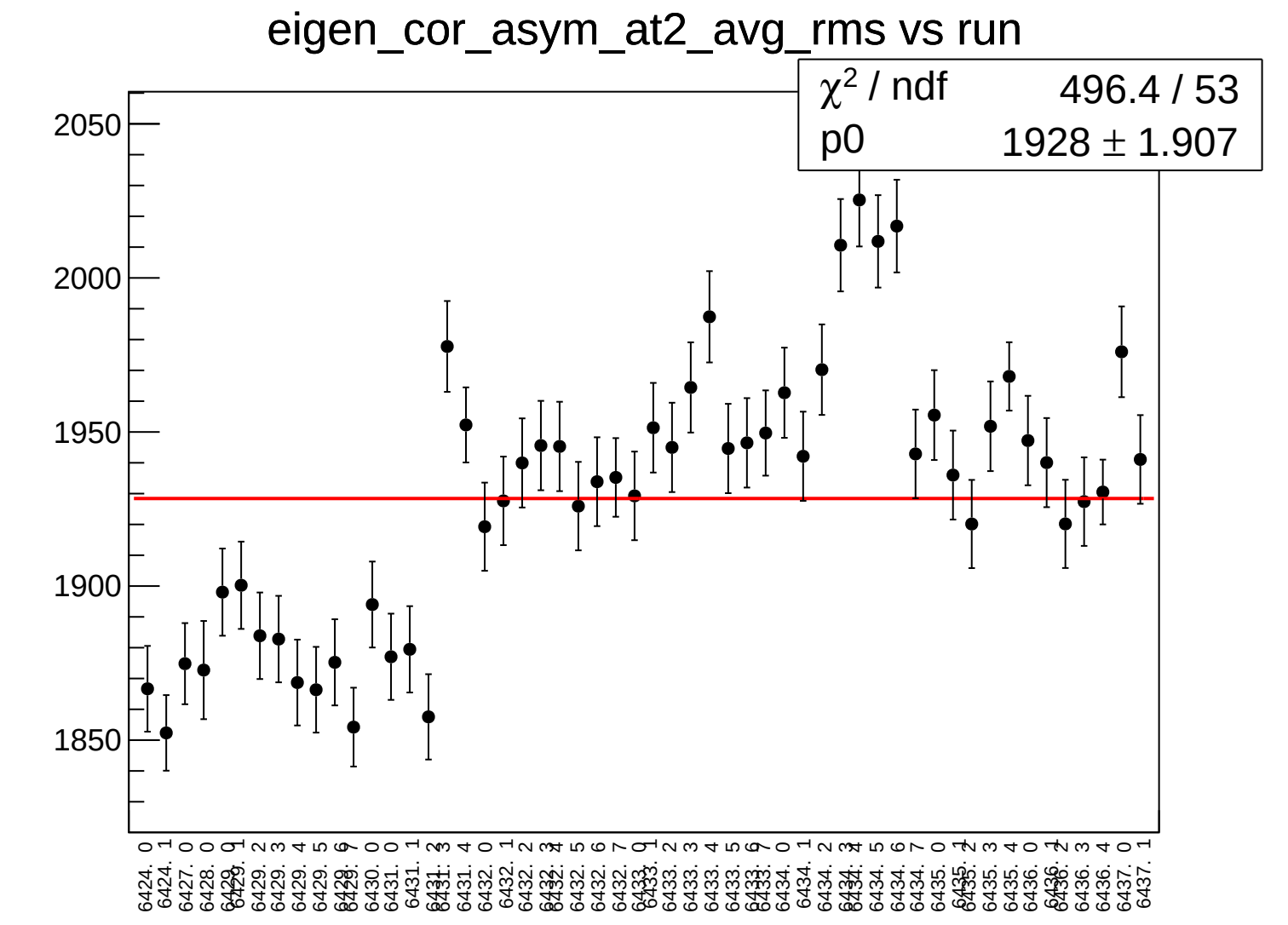

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.16 / 53
p0 −5961 ± 1.145e+04
pull
Entries 54
Mean 459.7
Std Dev 0


pull1D
Entries 54
Mean 0.004263
Std Dev 1.02


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 2739 / 53
p0 8175 ± 8.095
9500
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 56.34 / 53
p0 −5441 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −88.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.008553
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 496.4 / 53
p0 1928 ± 1.907
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
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6432. 5
6432. 6
6432. 7
6433. 0
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6433. 2
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6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
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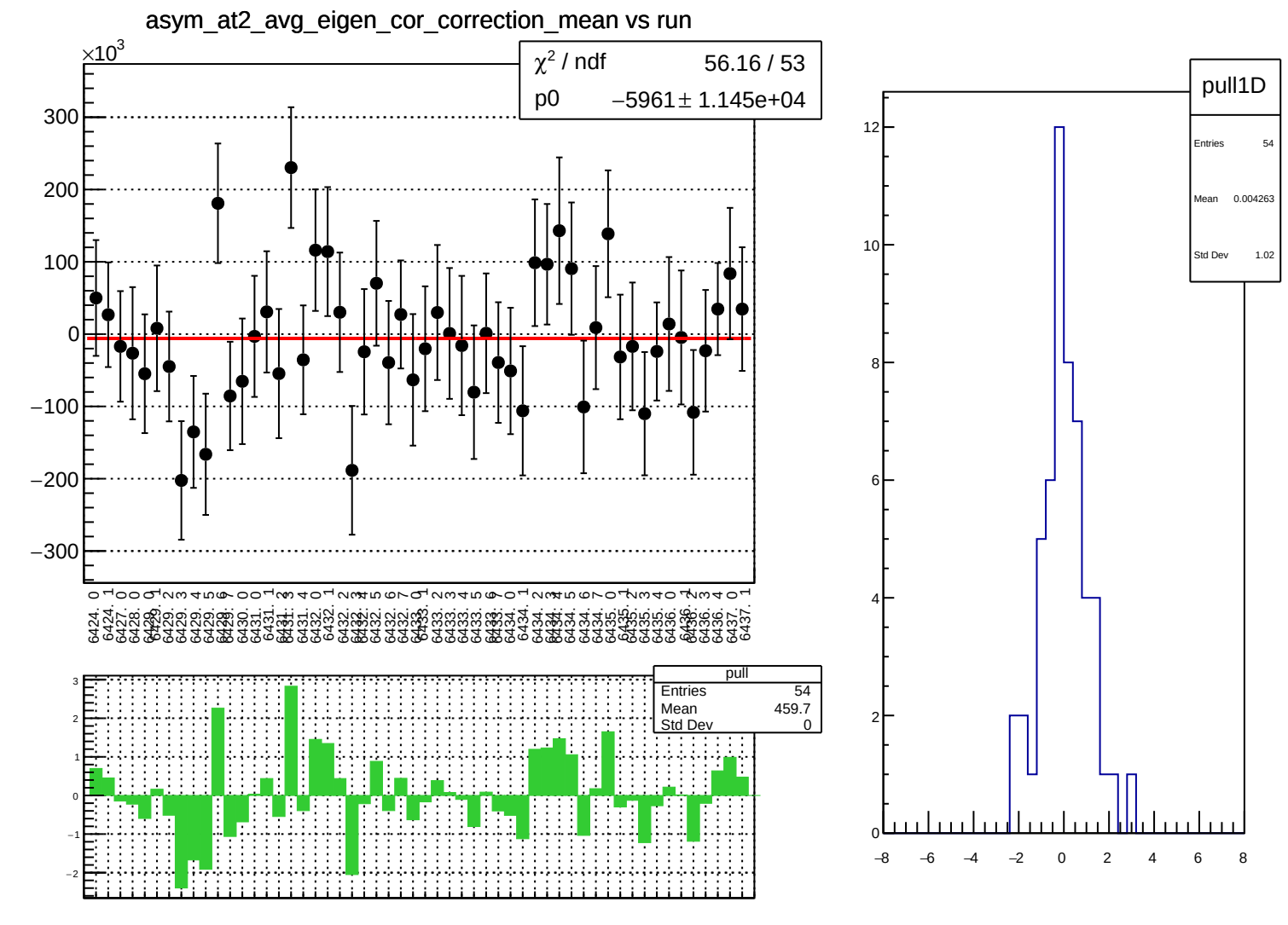
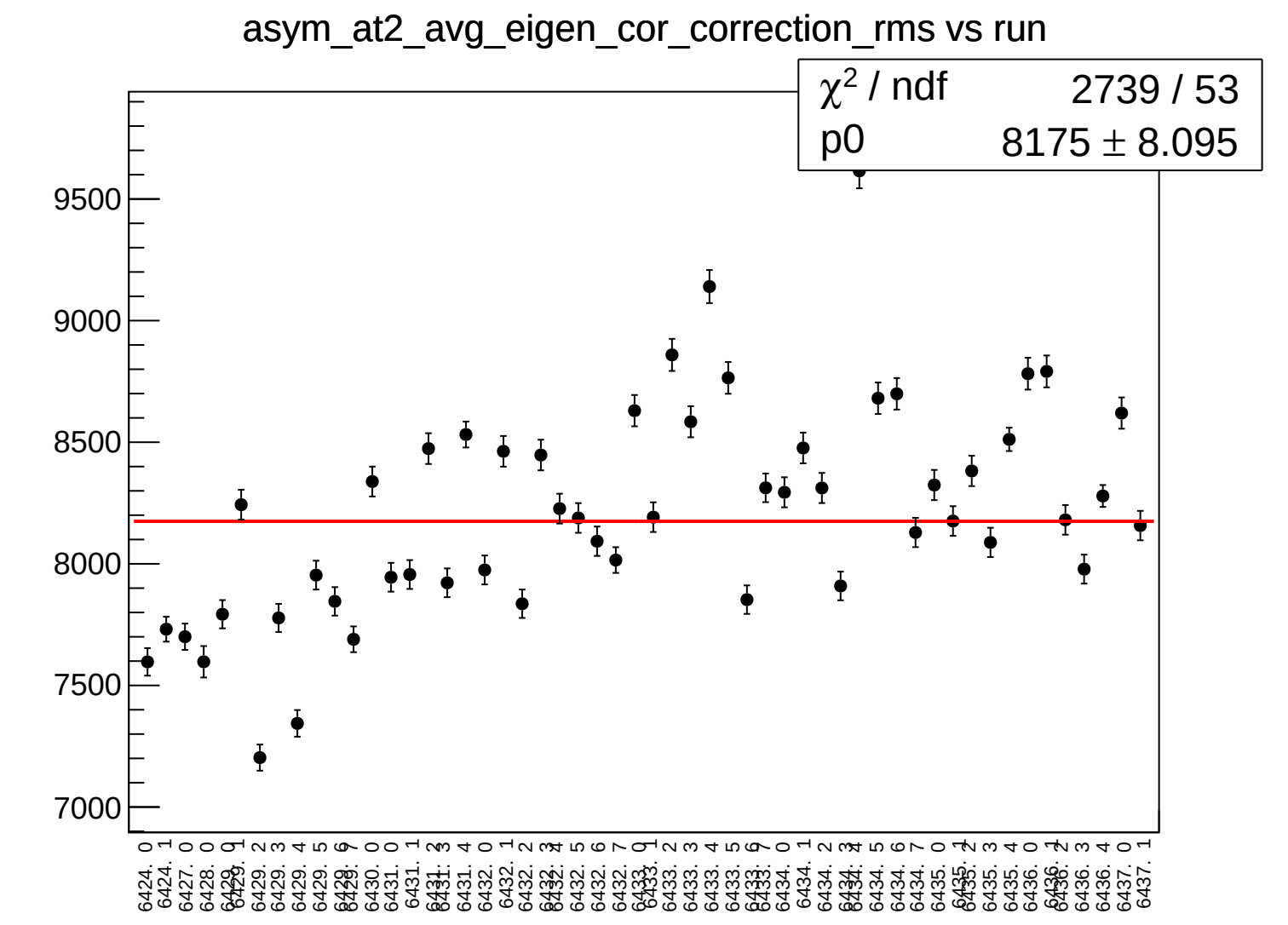

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.16 / 53
p0 −5961 ± 1.145e+04
pull
Entries 54
Mean 459.7
Std Dev 0
pull1D
Entries 54
Mean 0.004263
Std Dev 1.02


asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2739 / 53
p0 8175 ± 8.095
9500
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
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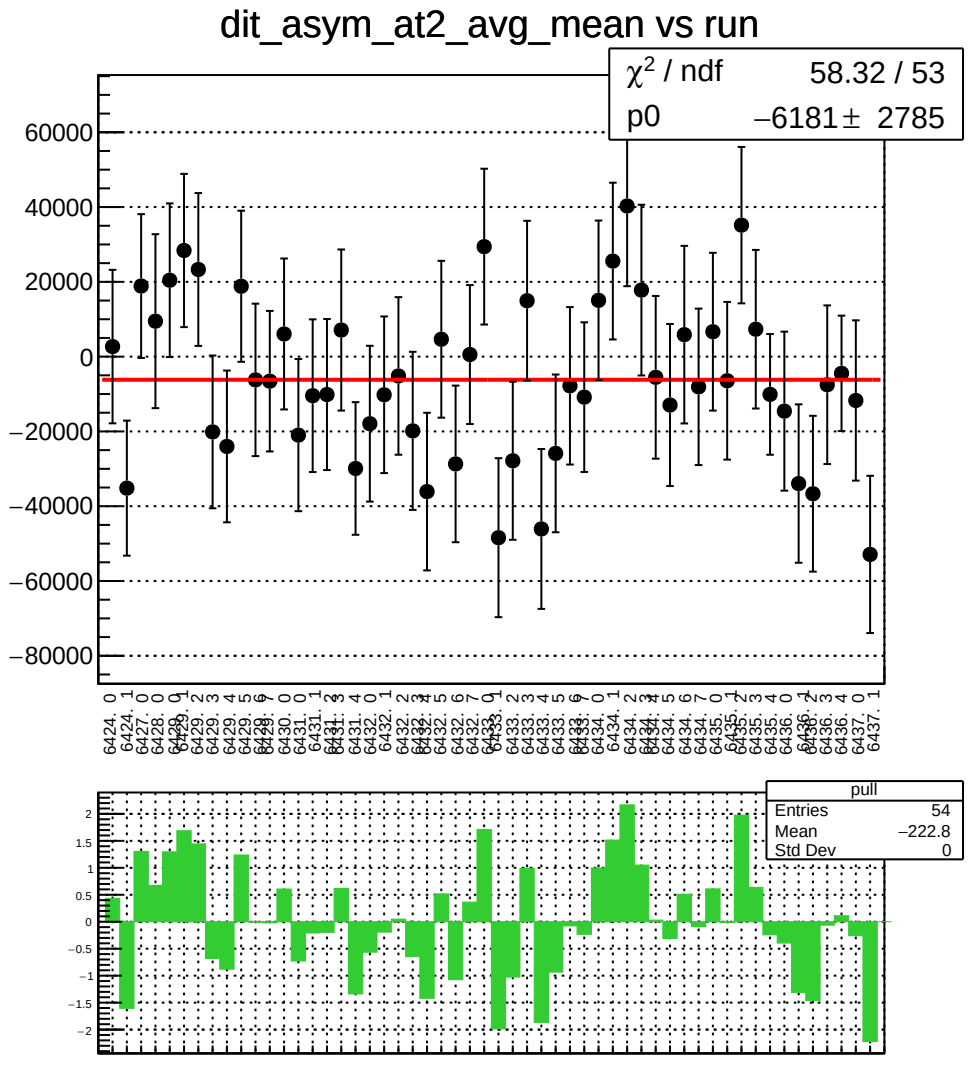
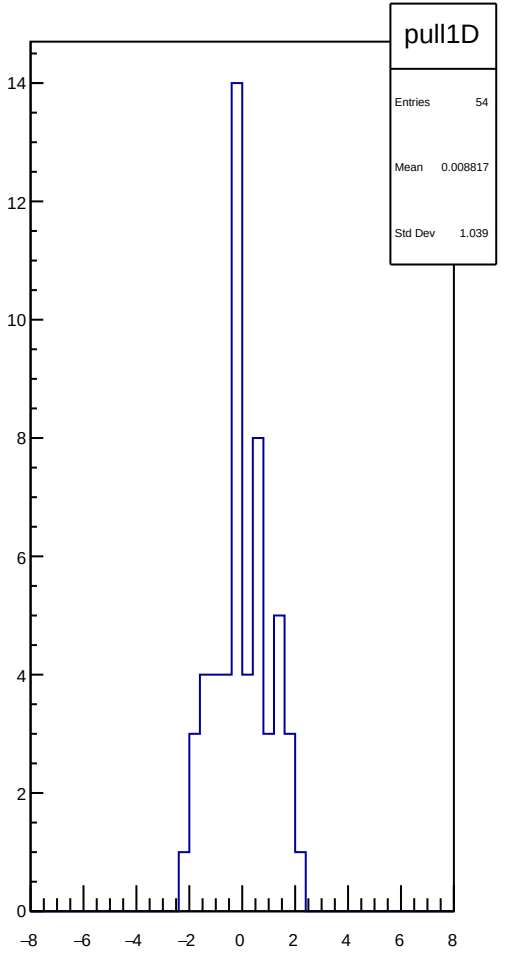
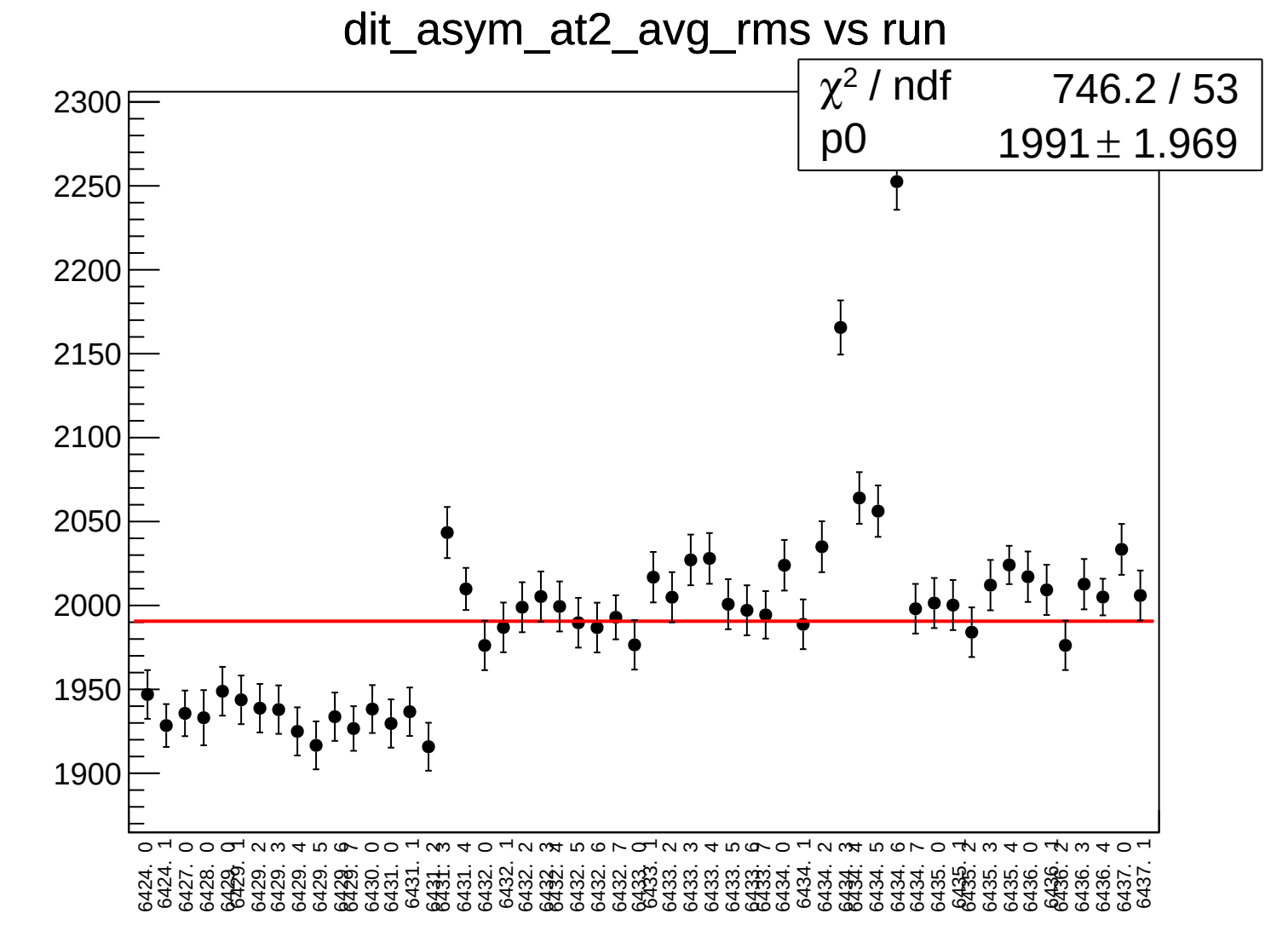
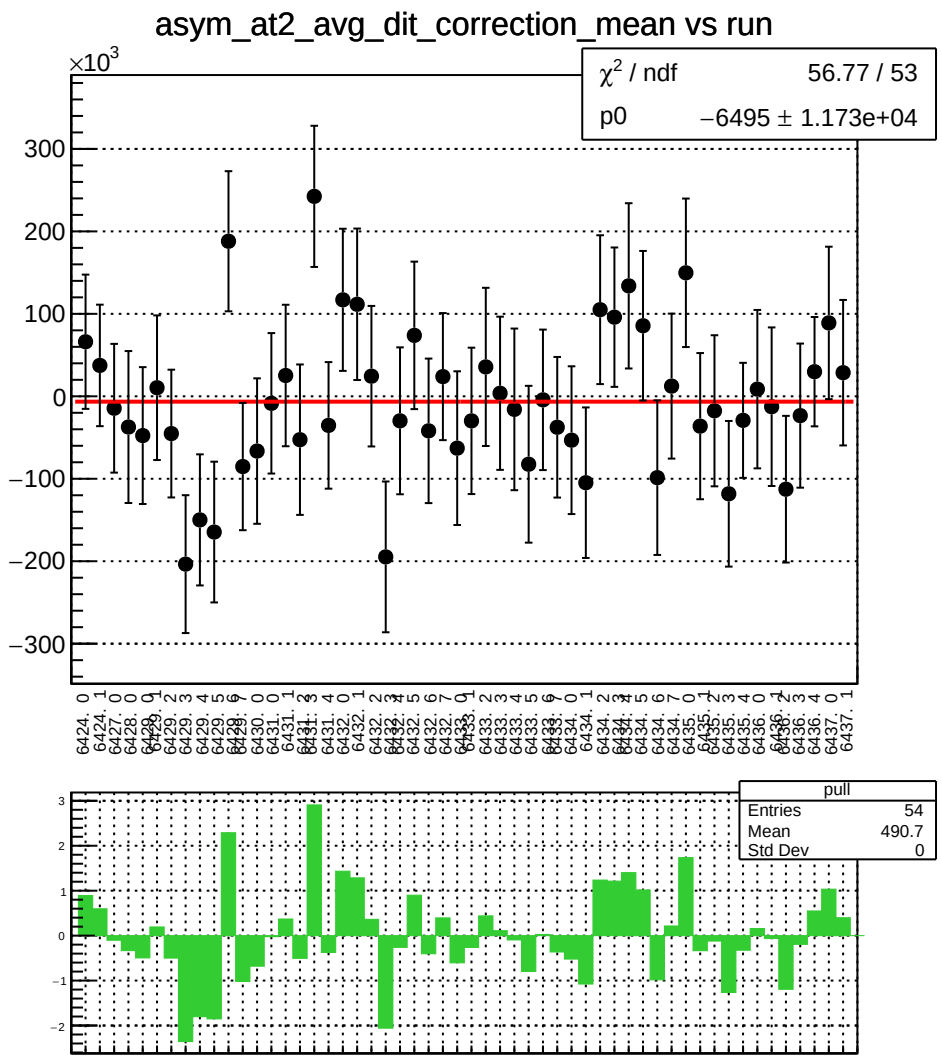
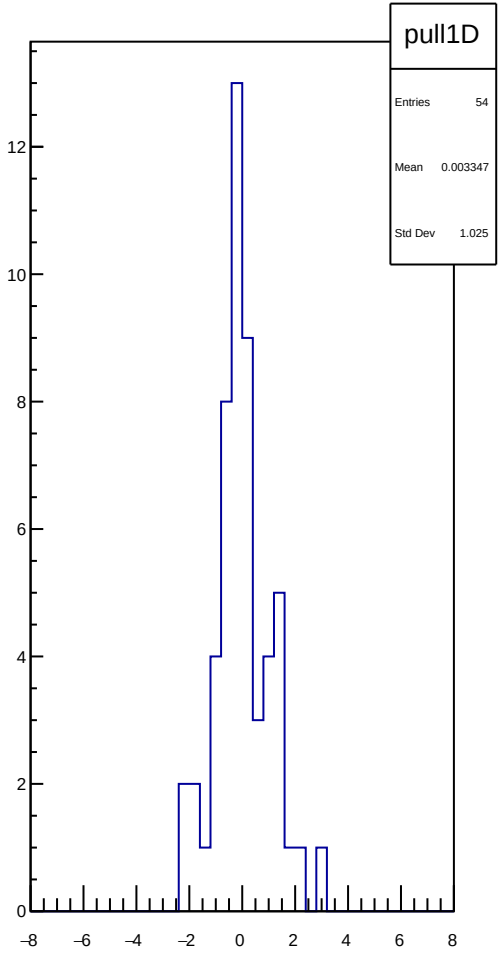
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

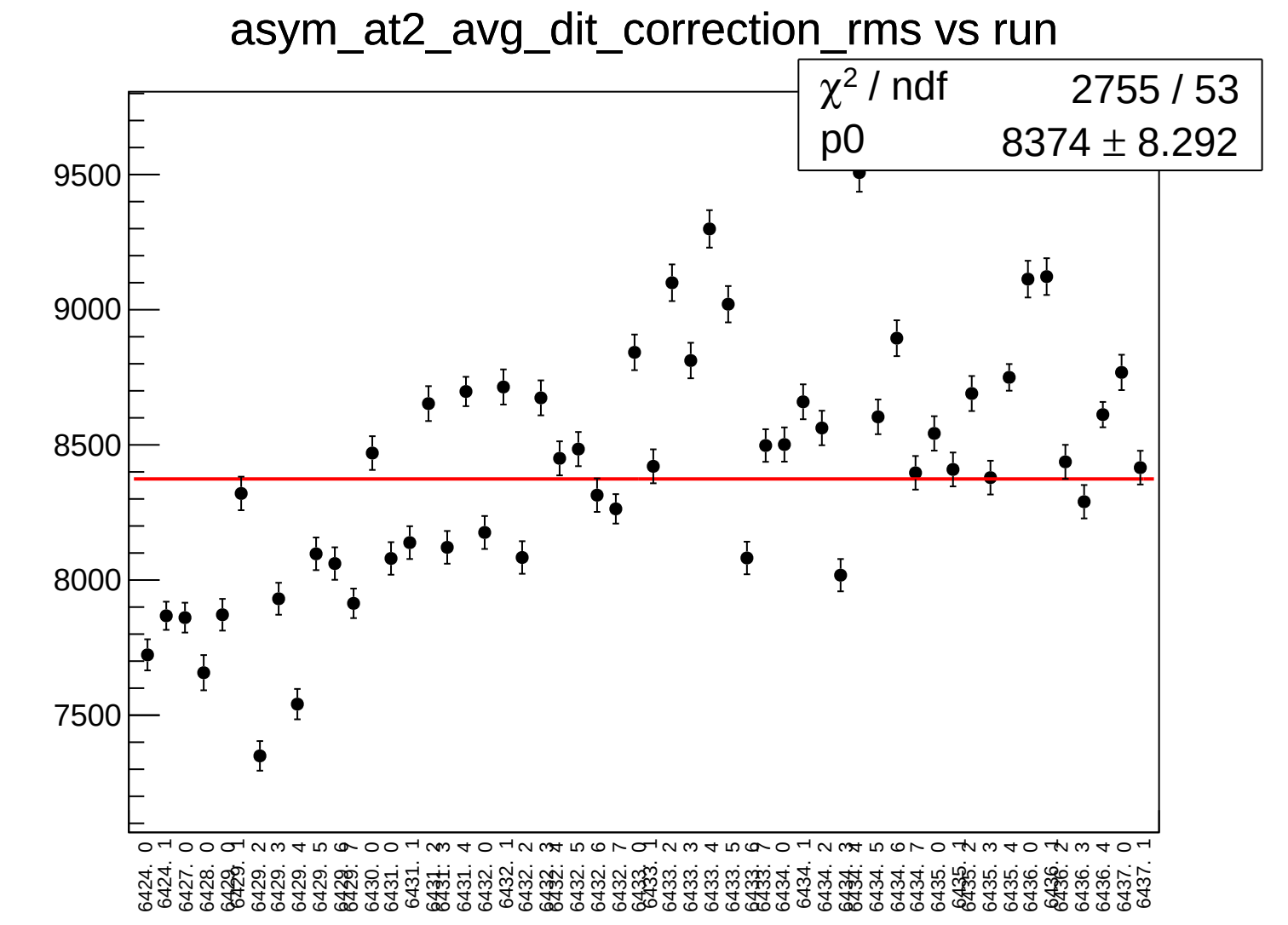

dit_asym_at2_avg_mean vs run
χ² / ndf 58.32 / 53
p0 −6181 ± 2785
pull
Entries 54
Mean −222.8
Std Dev 0

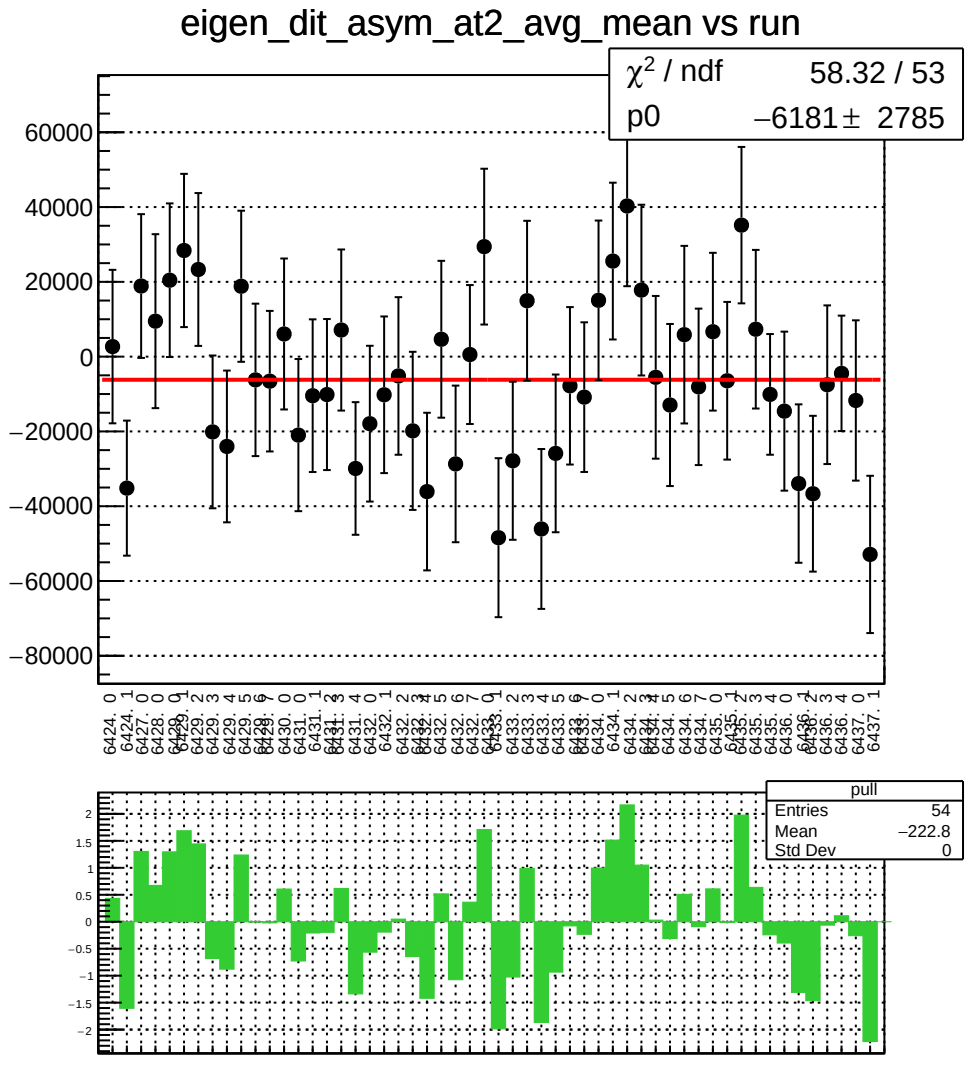

pull1D
Entries 54
Mean 0.008817
Std Dev 1.039

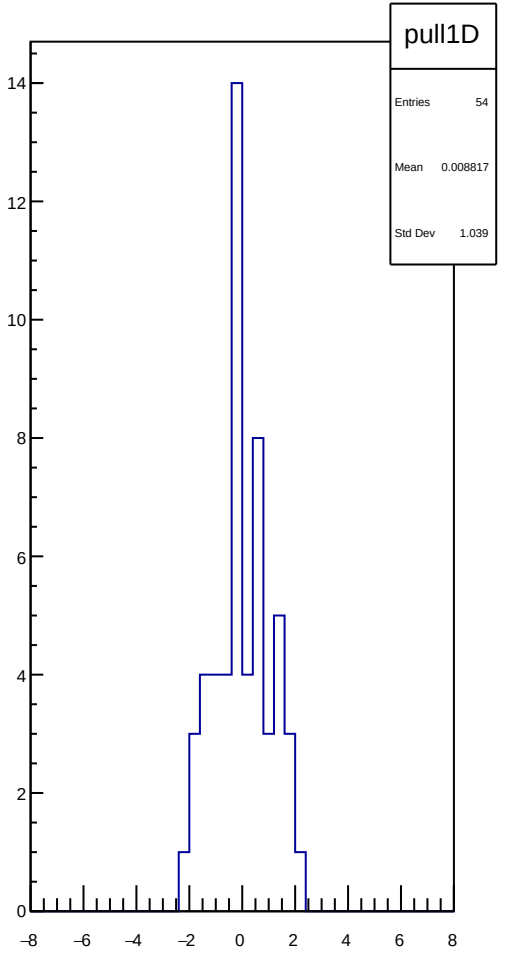

dit_asym_at2_avg_rms vs run
χ² / ndf 746.2 / 53
p0 1991 ± 1.969
2300
2250
2200
2150
2100
2050
2000
1950
1900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

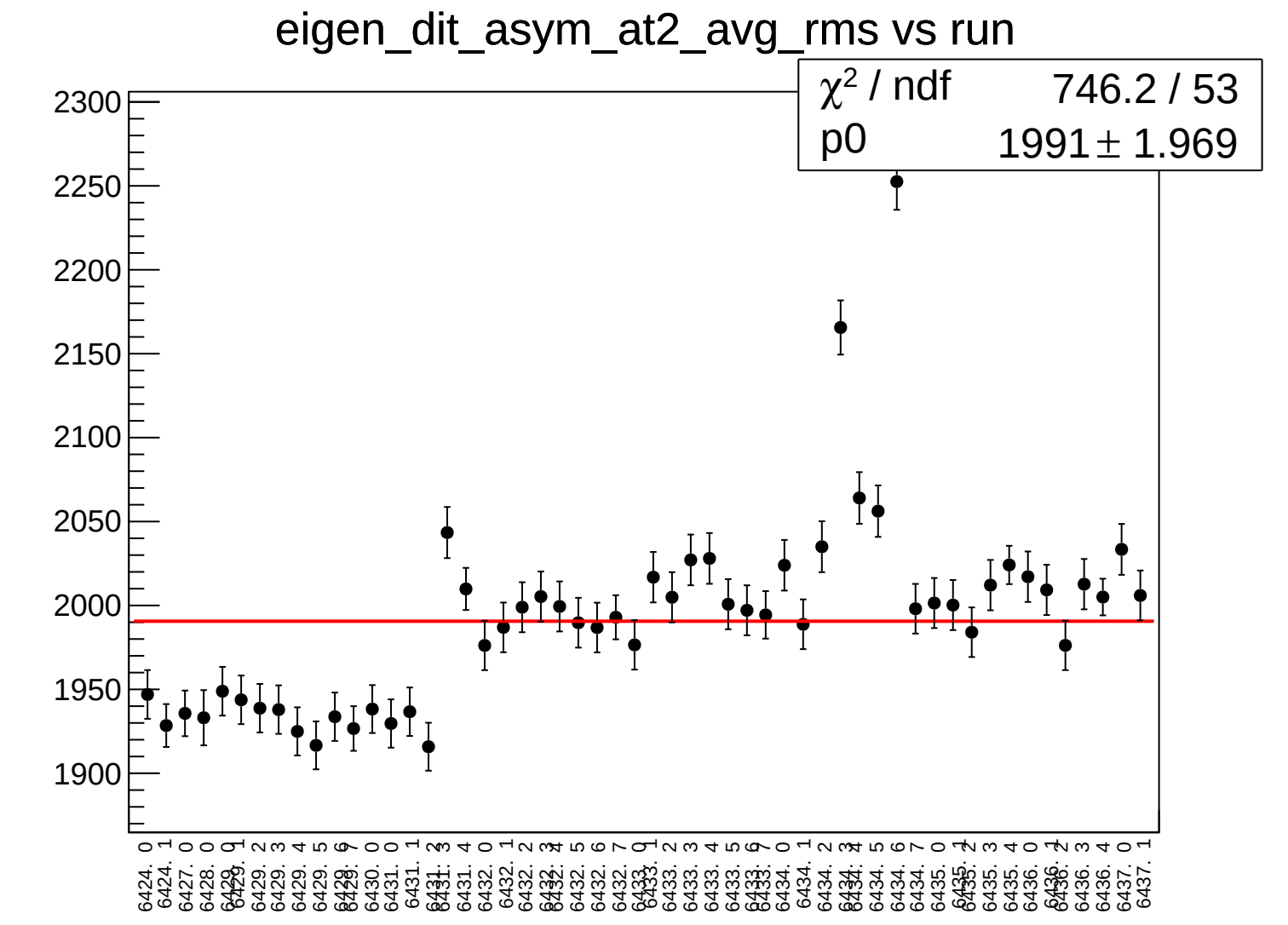

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.77 / 53
p0 −6495 ± 1.173e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 490.7
Std Dev 0
3
2
1
0
−1
−2

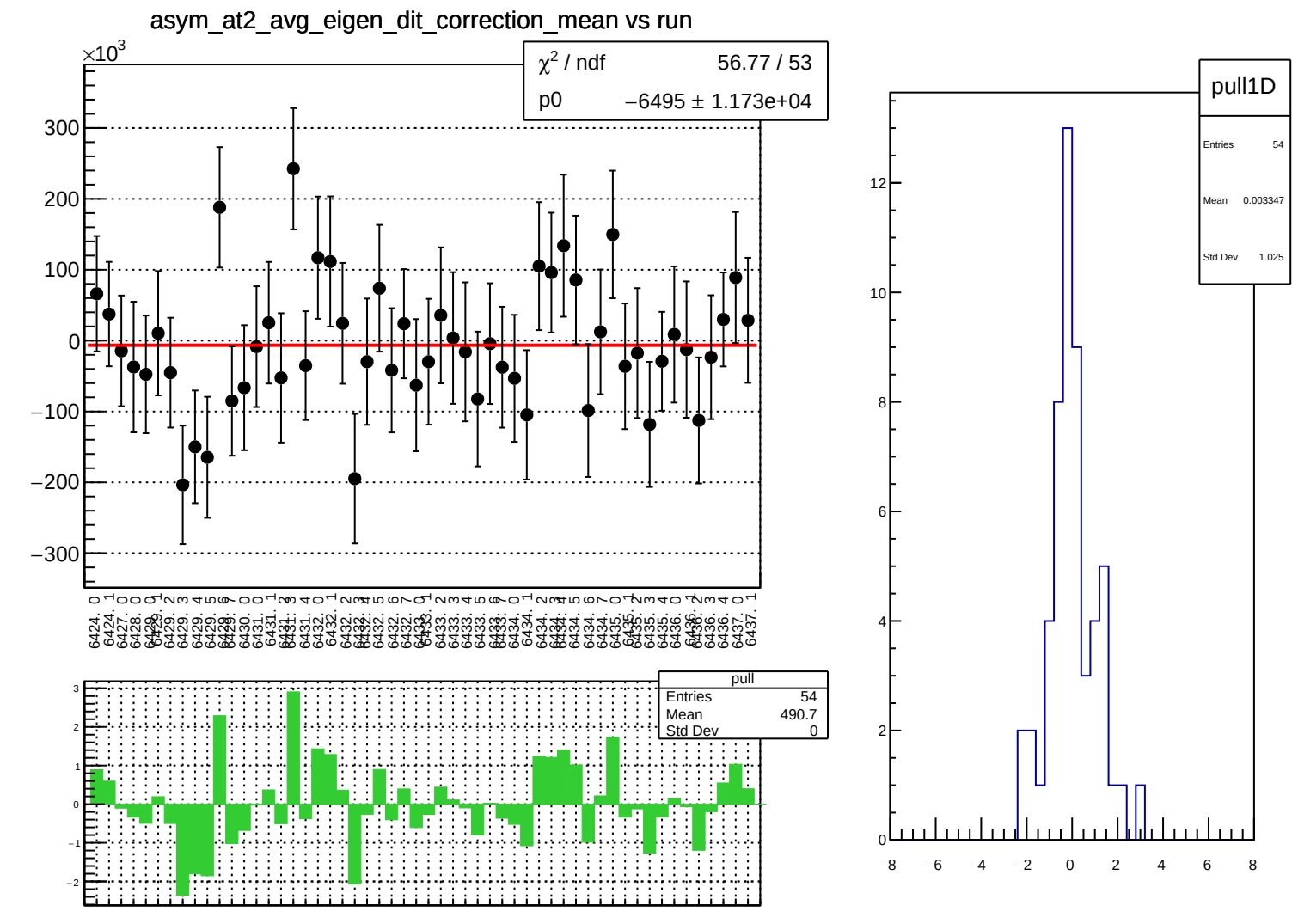

pull1D
Entries 54
Mean 0.003347
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

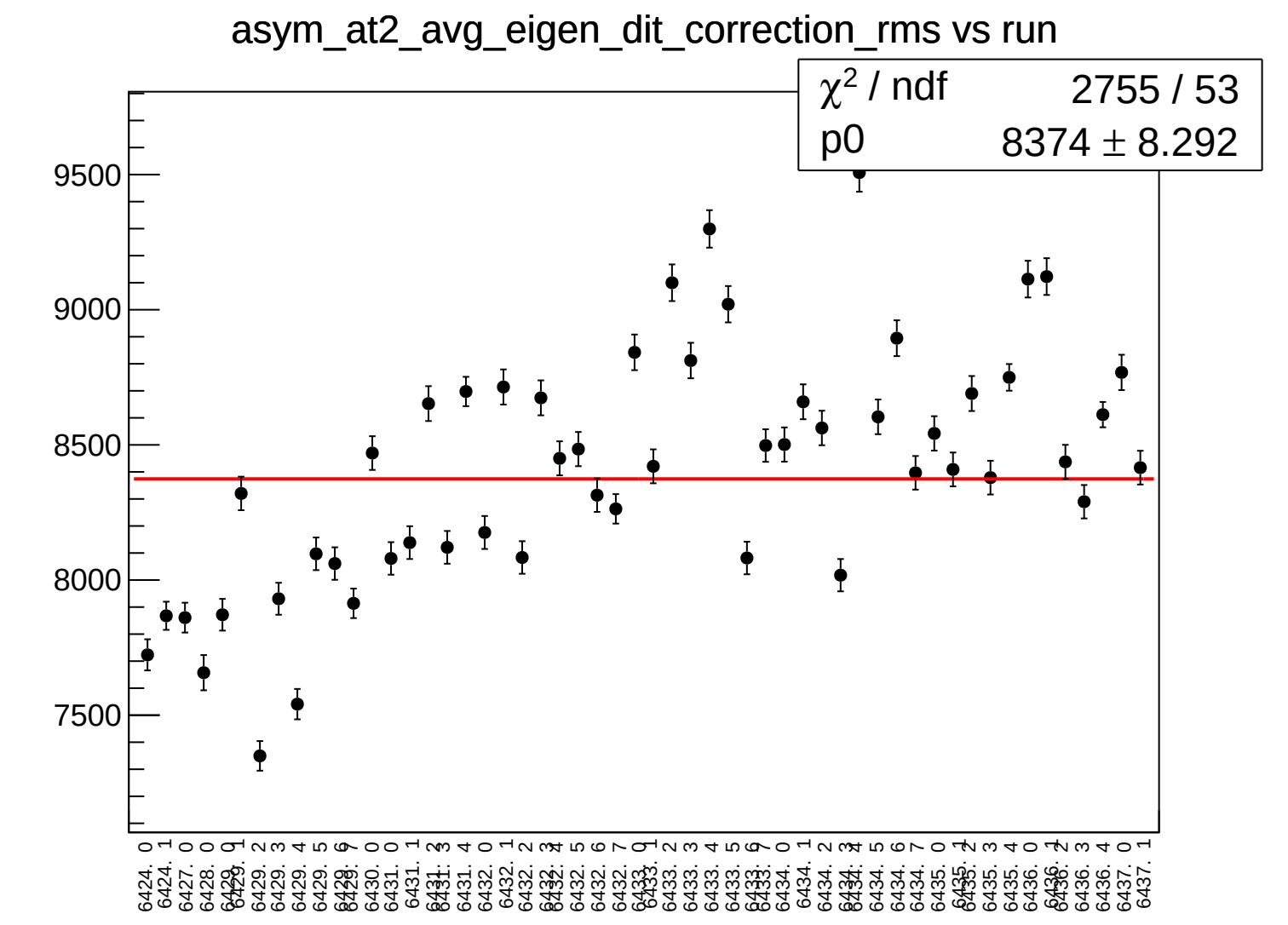

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2755 / 53
p0 8374 ± 8.292
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

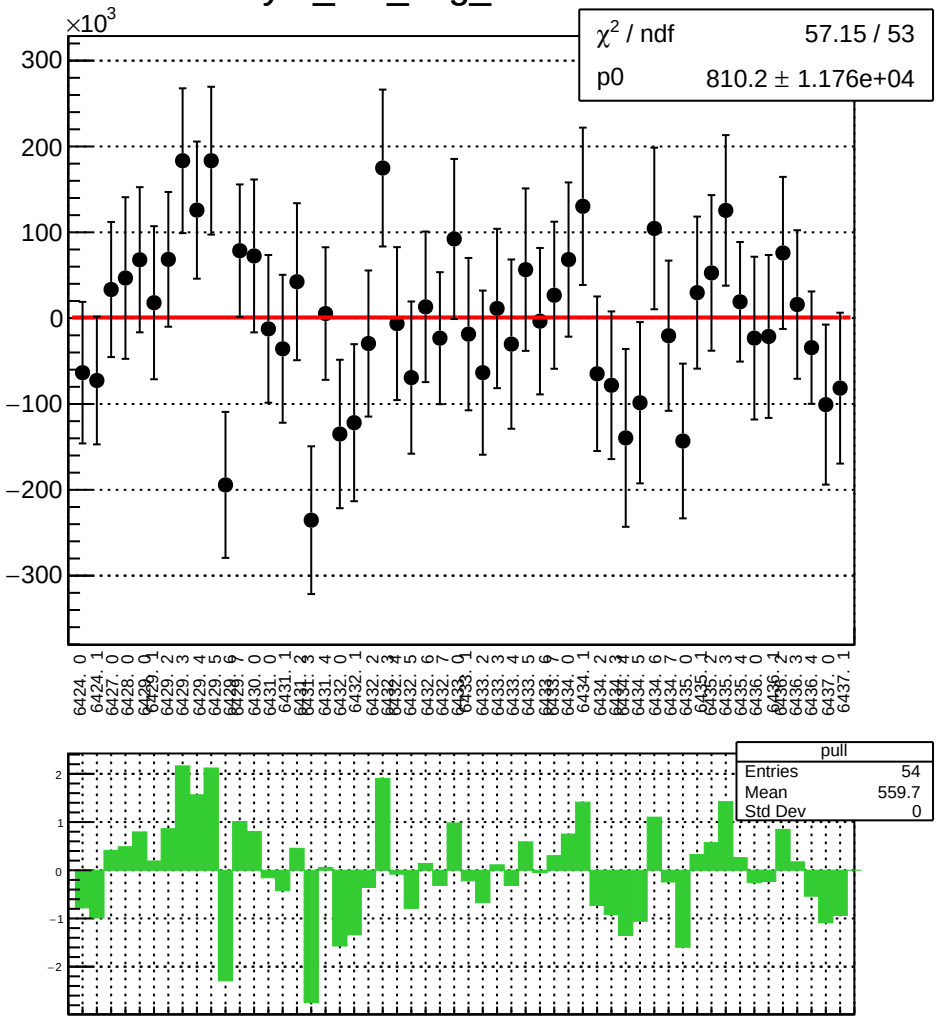

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 58.32 / 53
p0 −6181 ± 2785
pull
Entries 54
Mean −222.8
Std Dev 0

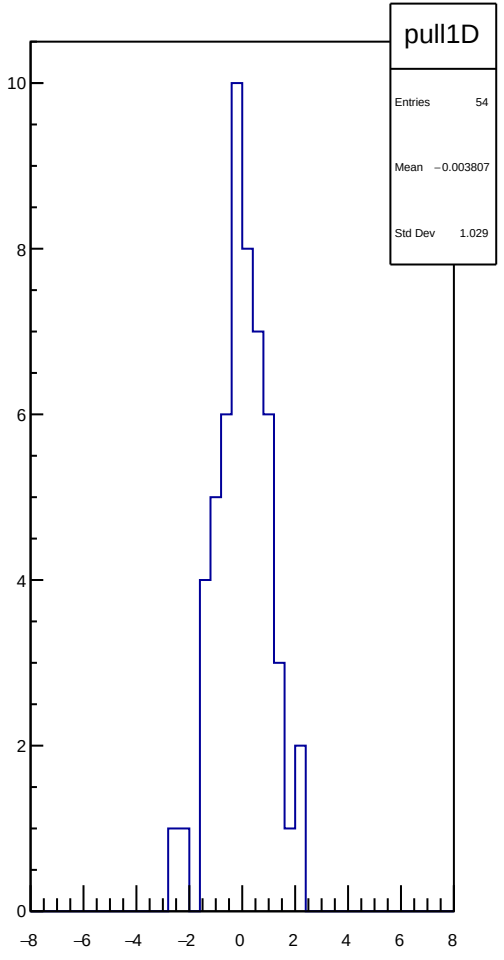

pull1D
Entries 54
Mean 0.008817
Std Dev 1.039

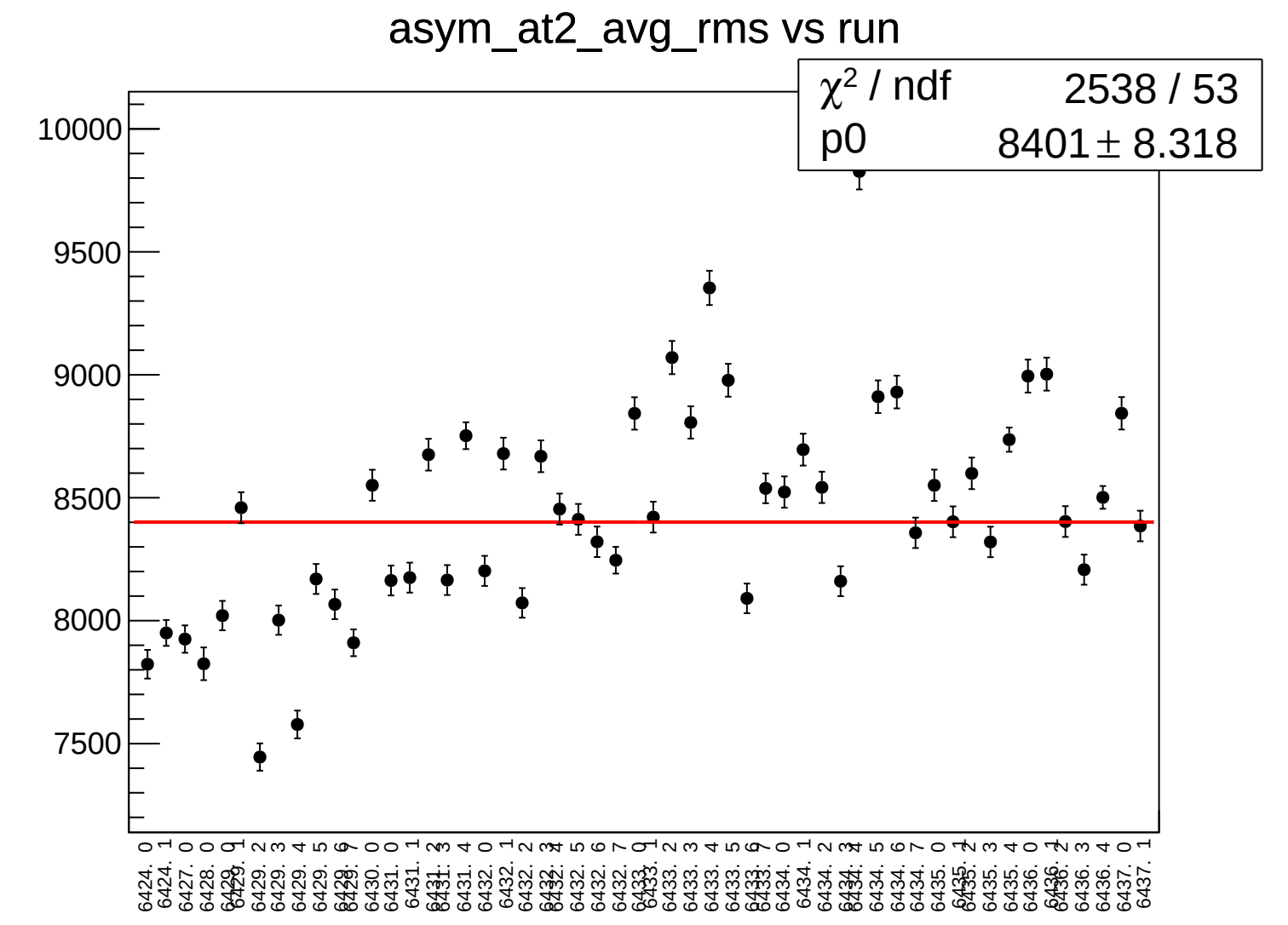

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 746.2 / 53
p0 1991 ± 1.969
2300
2250
2200
2150
2100
2050
2000
1950
1900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

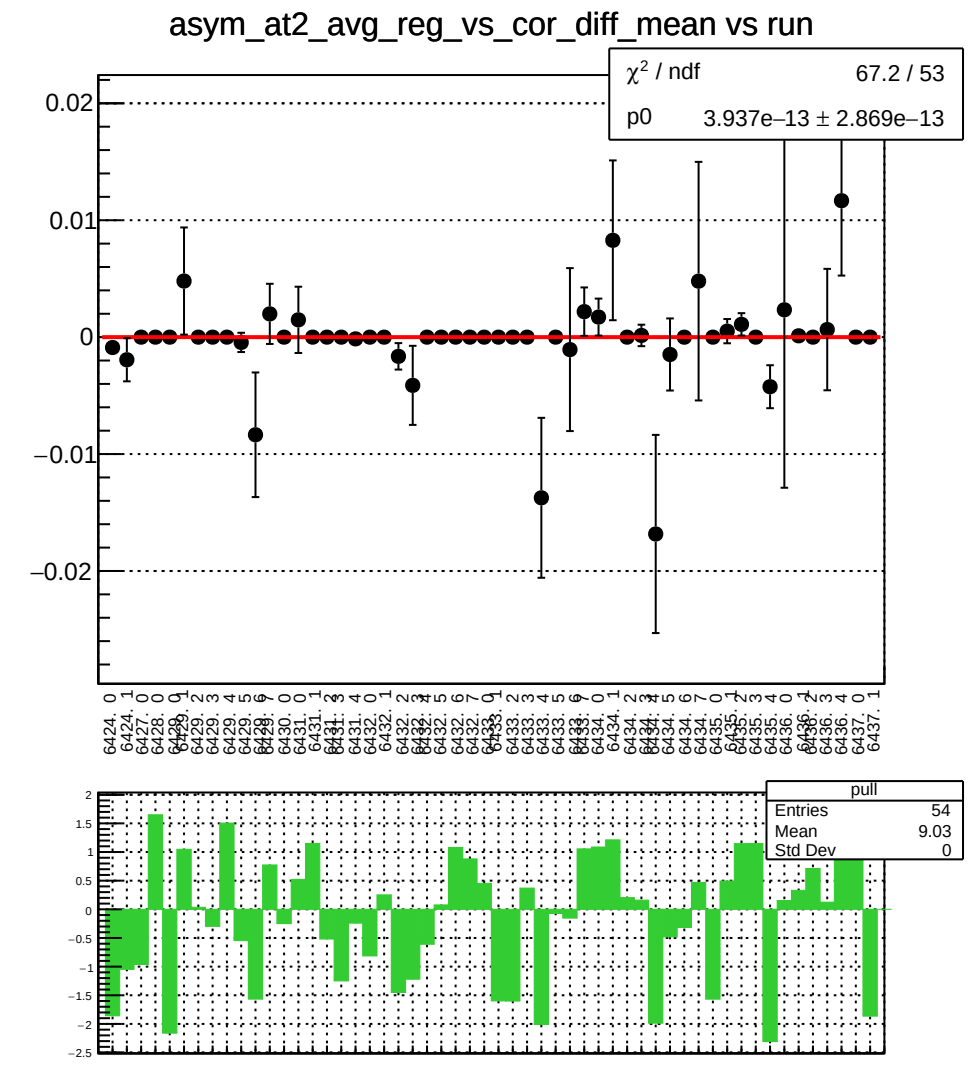

asym_at2_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.77 / 53
p0 −6495 ± 1.173e+04
×10³
pull
Entries 54
Mean 490.7
Std Dev 0
pull1D
Entries 54
Mean 0.003347
Std Dev 1.025

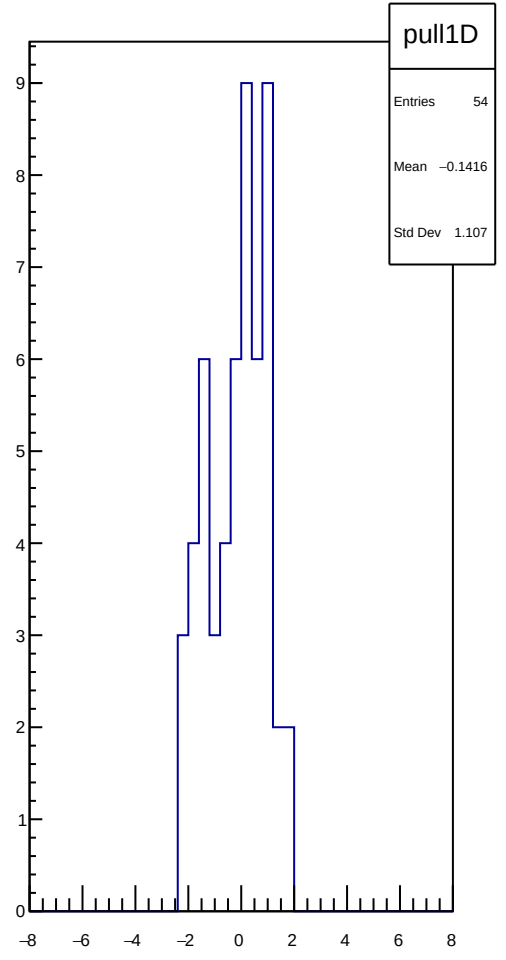

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2755 / 53
p0 8374 ± 8.292
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

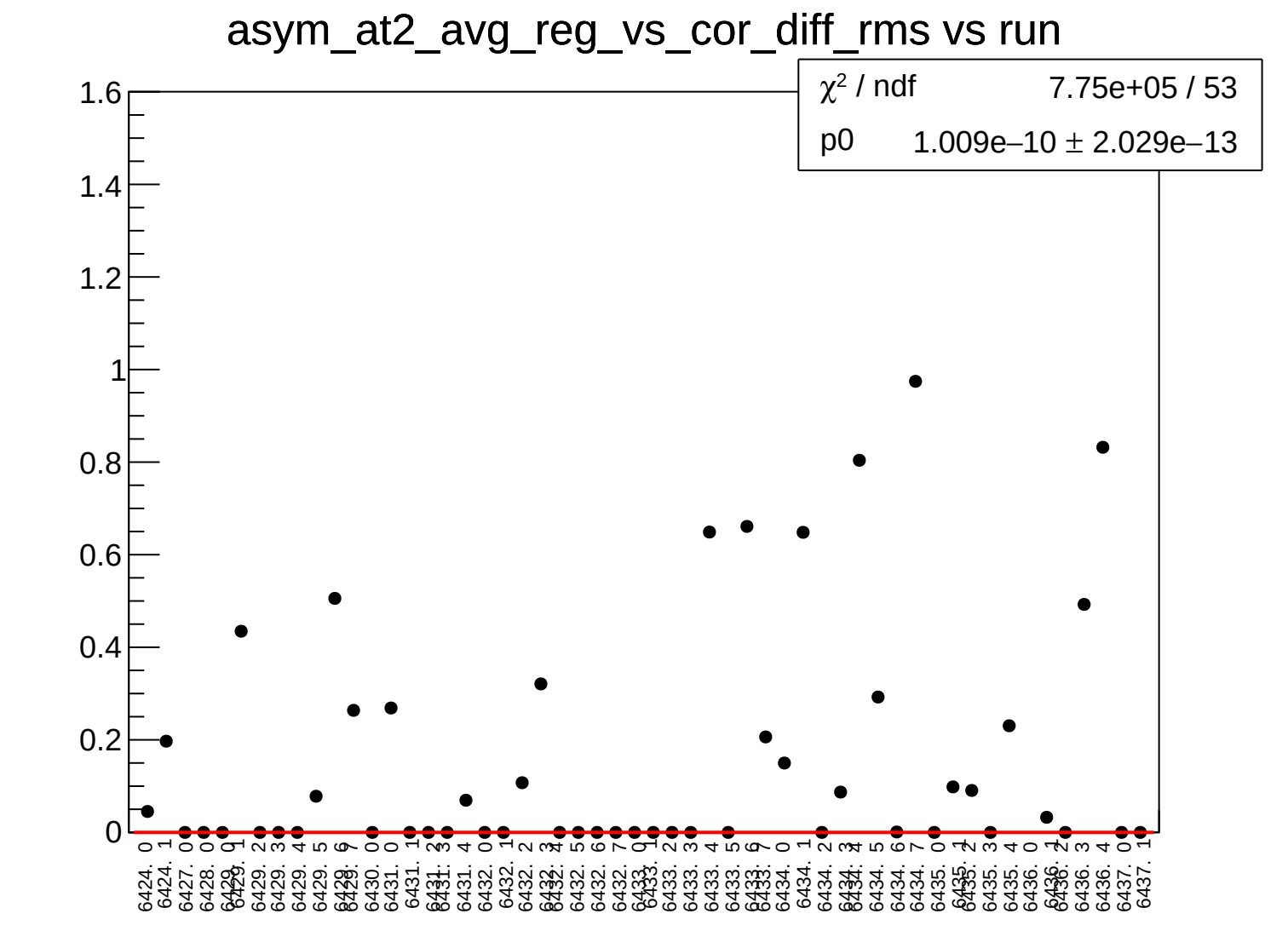

asym_at2_avg_mean vs run
×10^3
χ² / ndf 57.15 / 53
p0 810.2 ± 1.176e+04
pull
Entries 54
Mean 559.7
Std Dev 0

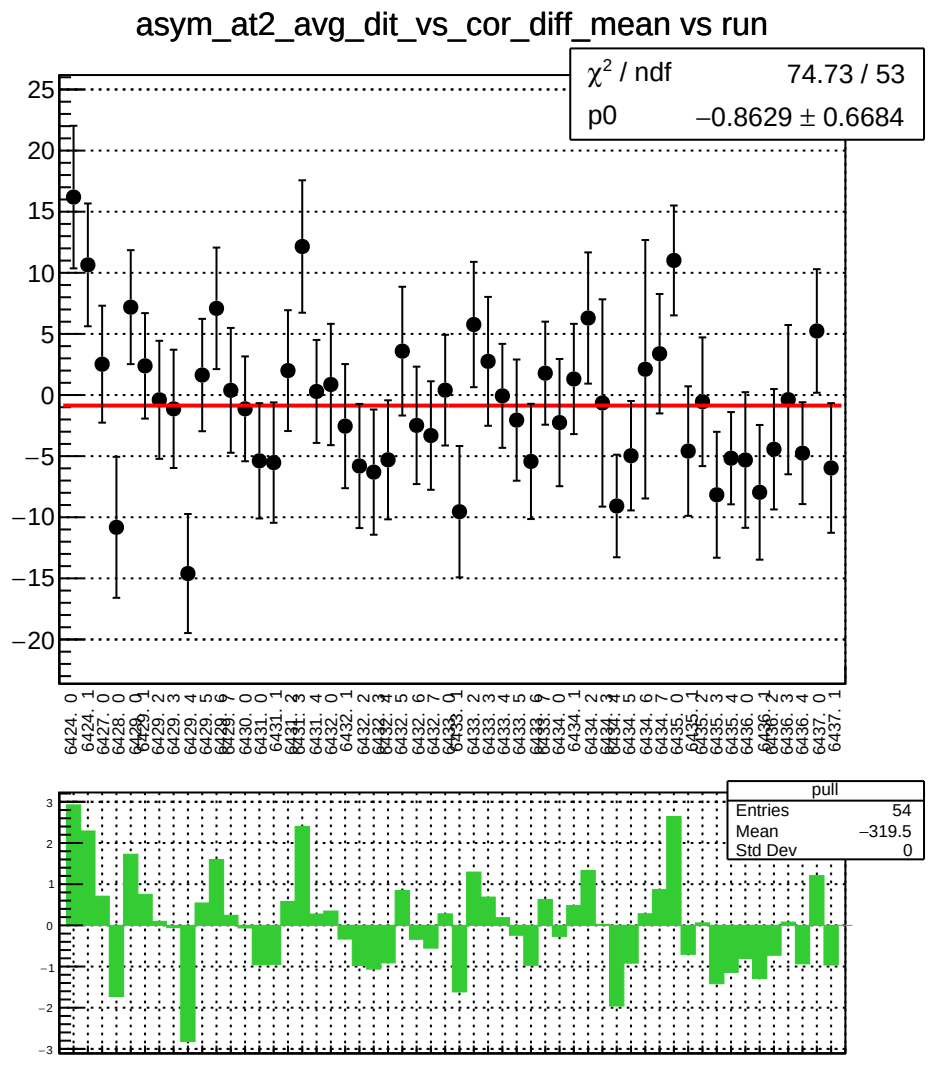

pull1D
Entries 54
Mean −0.003807
Std Dev 1.029

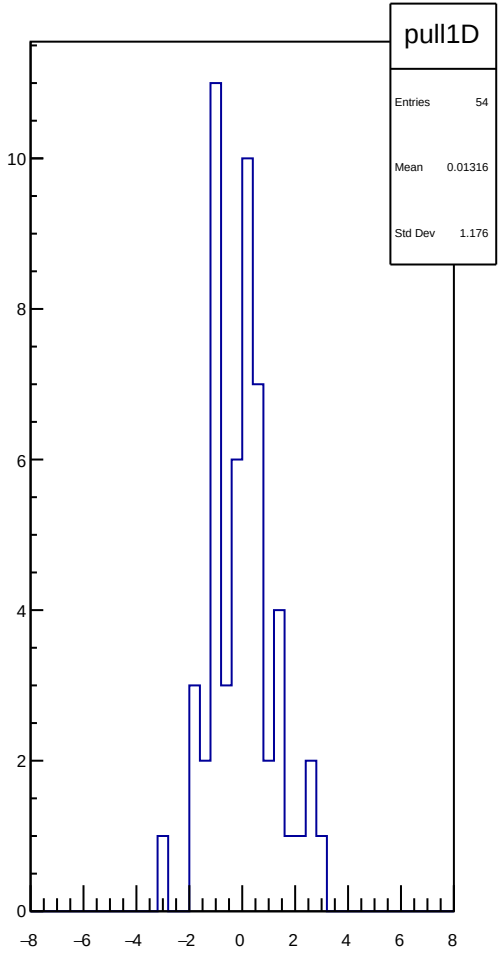

asym_at2_avg_rms vs run
χ² / ndf 2538 / 53
p0 8401 ± 8.318
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

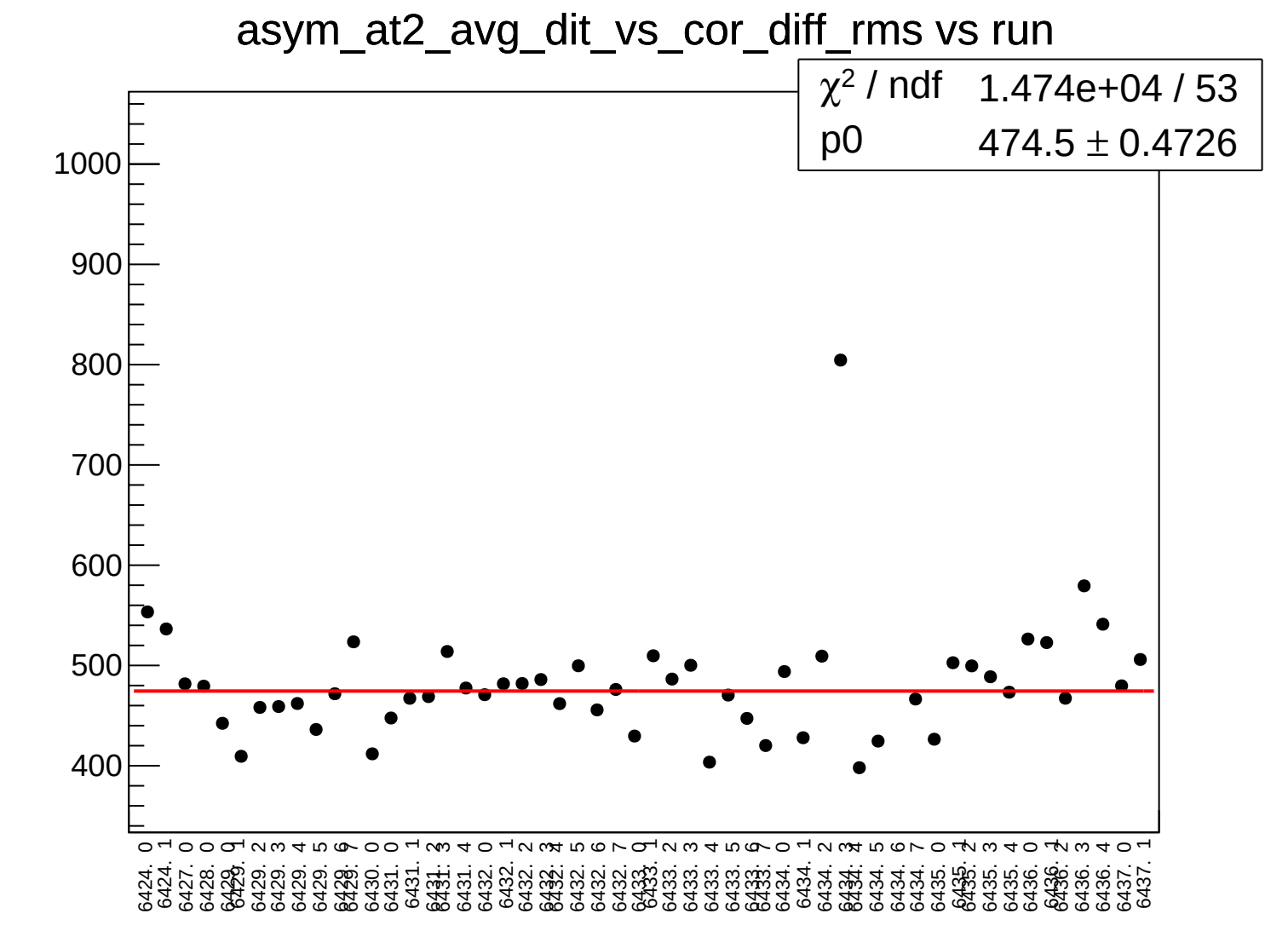

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.2 / 53
p0 3.937e−13 ± 2.869e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 9.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

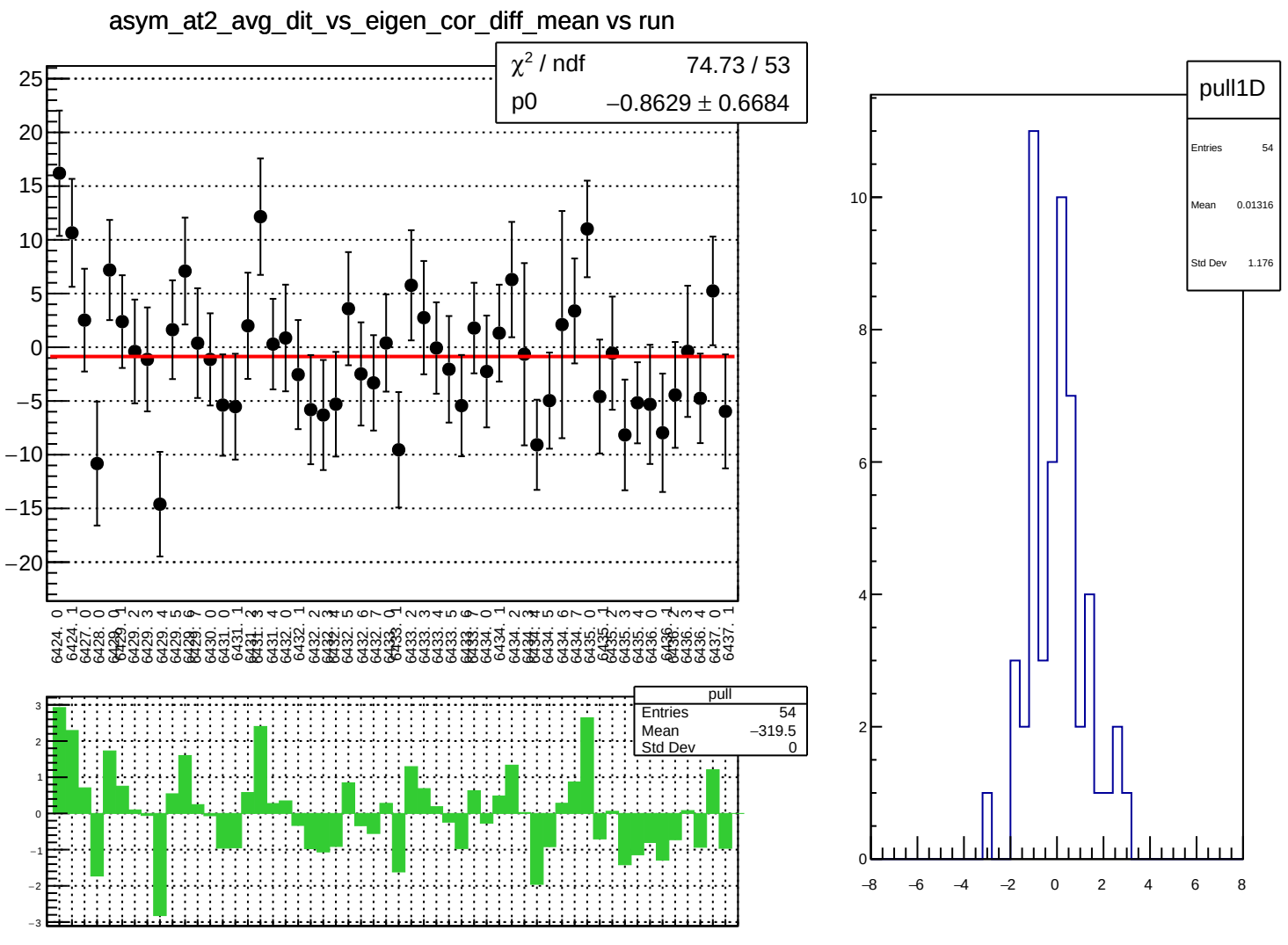

pull1D
Entries 54
Mean −0.1416
Std Dev 1.107
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

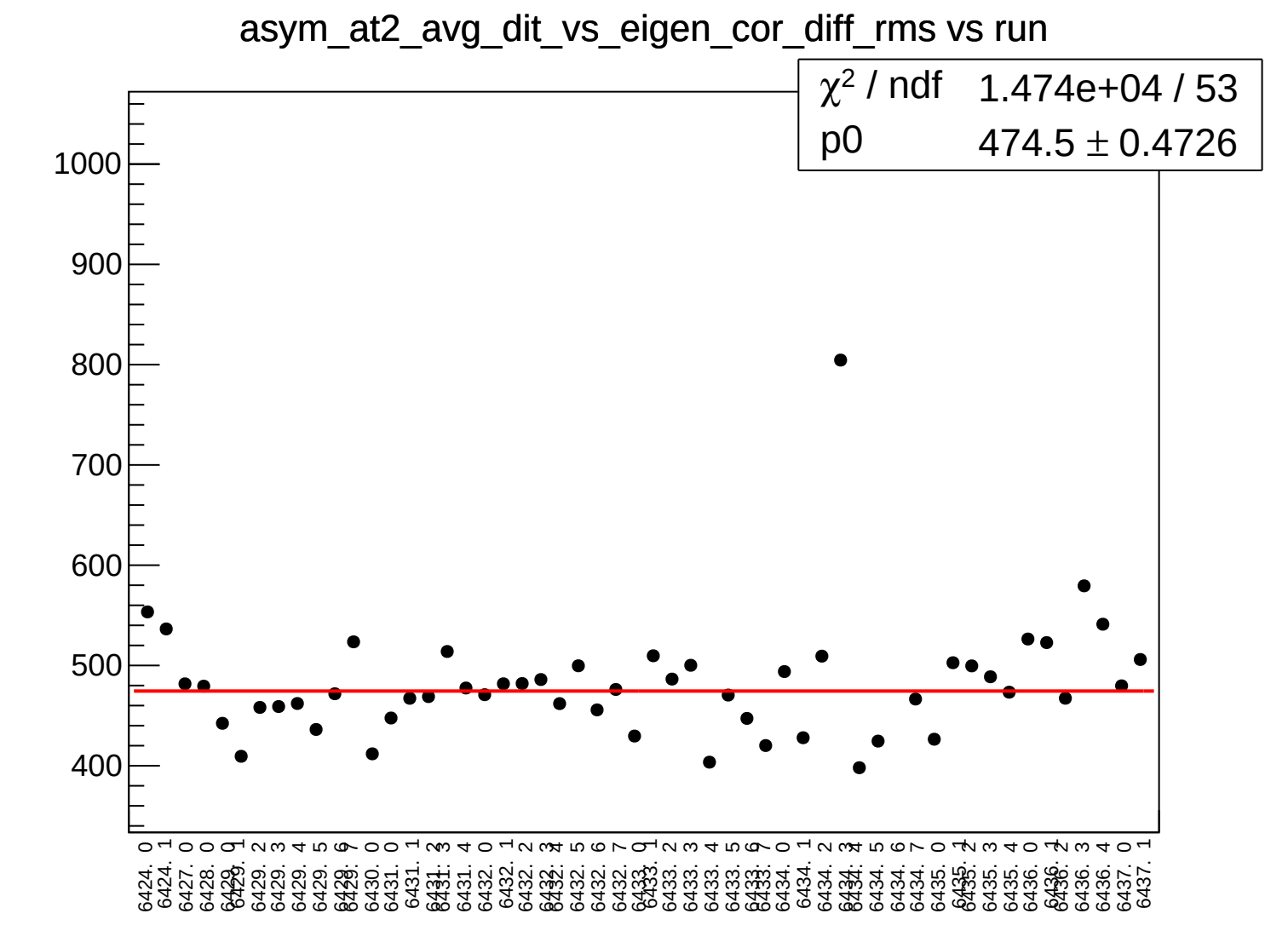

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.75e+05 / 53
p0 1.009e−10 ± 2.029e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

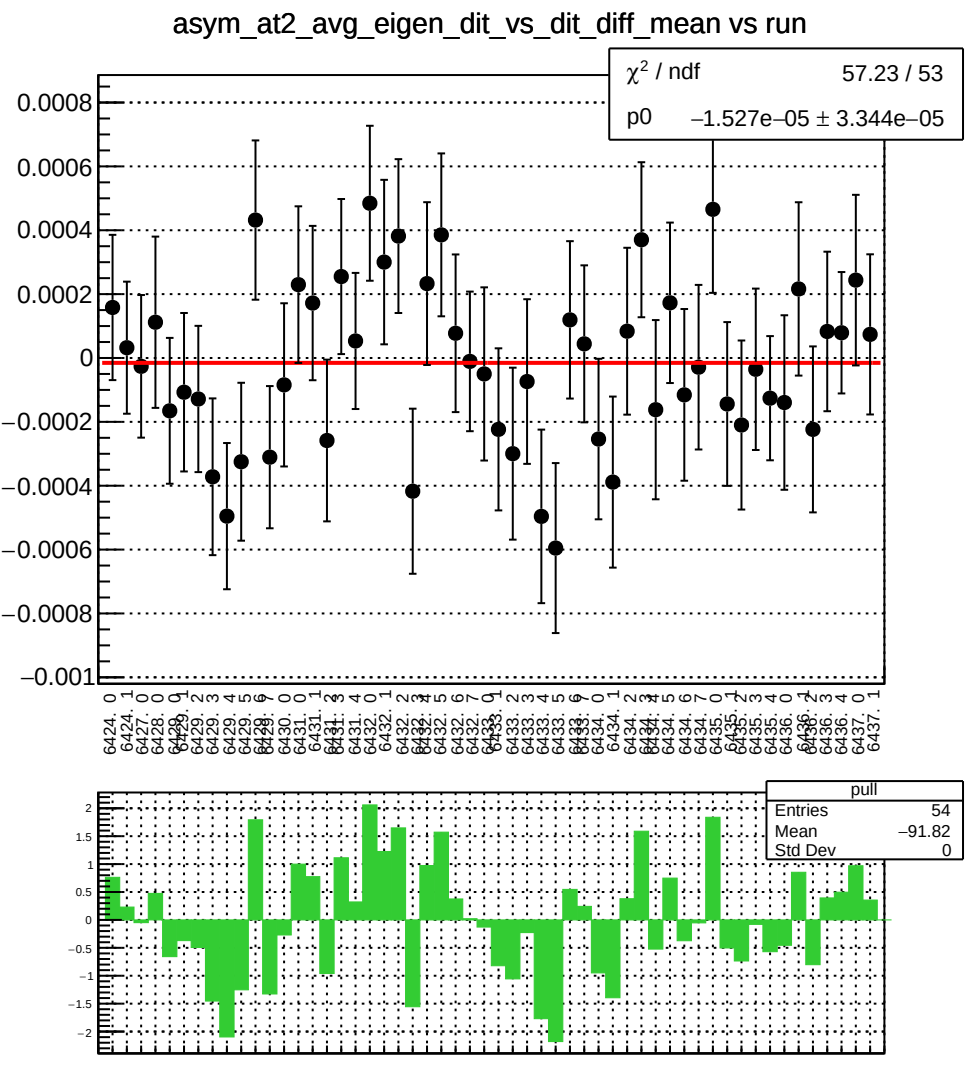

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.73 / 53
p0 −0.8629 ± 0.6684
pull
Entries 54
Mean −319.5
Std Dev 0

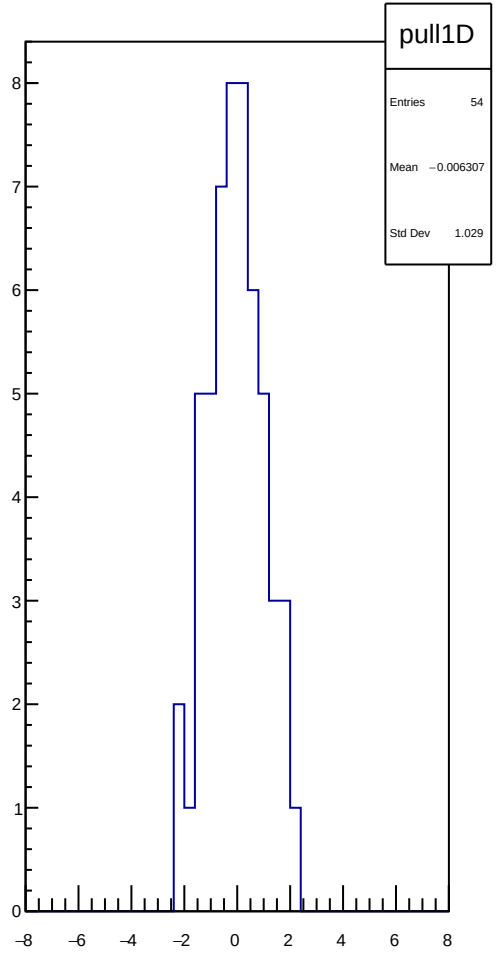

pull1D
Entries 54
Mean 0.01316
Std Dev 1.176

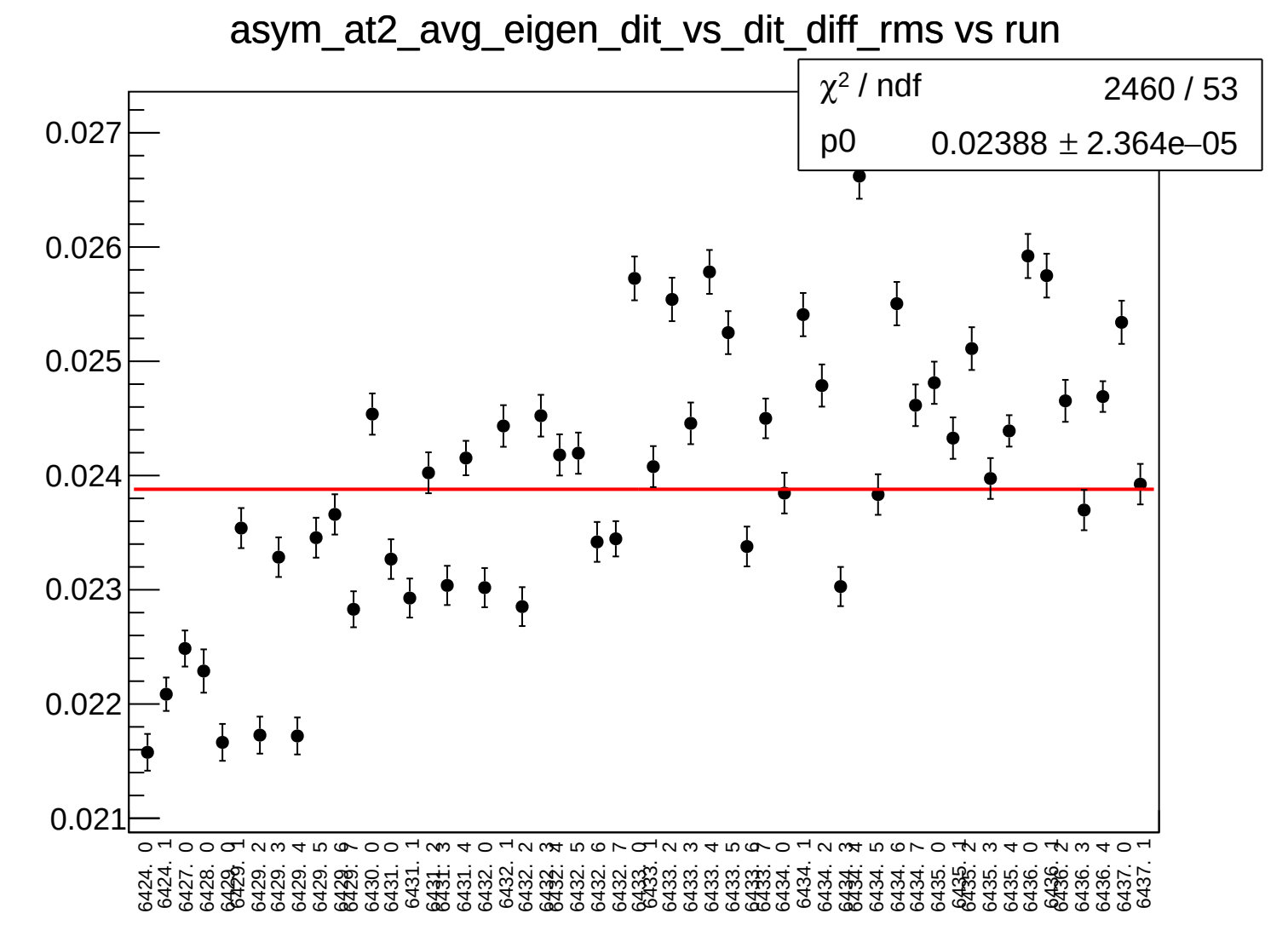

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.474e+04 / 53
p0 474.5 ± 0.4726
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

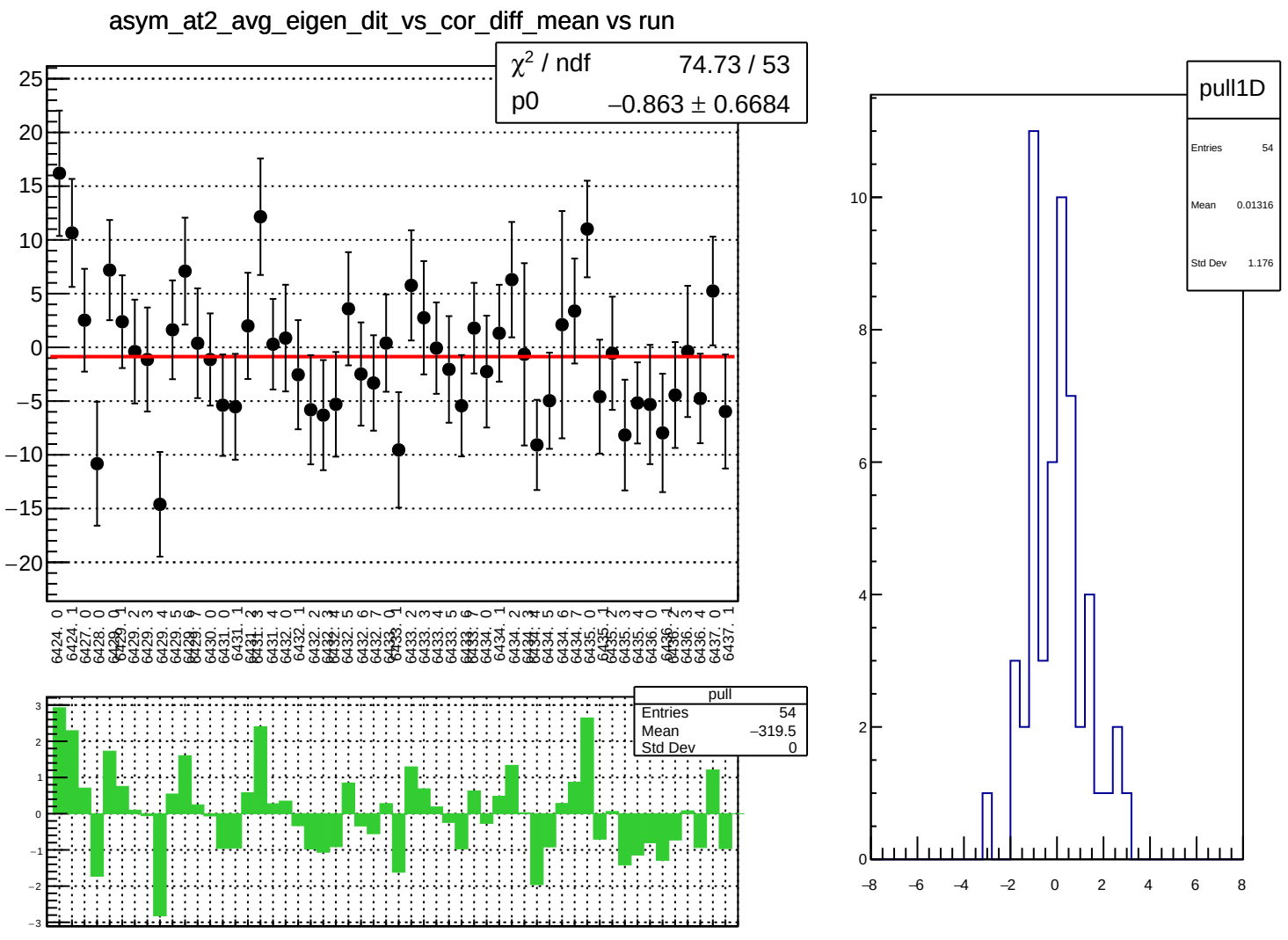

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.73 / 53
p0 −0.8629 ± 0.6684
pull
Entries 54
Mean −319.5
Std Dev 0
pull1D
Entries 54
Mean 0.01316
Std Dev 1.176

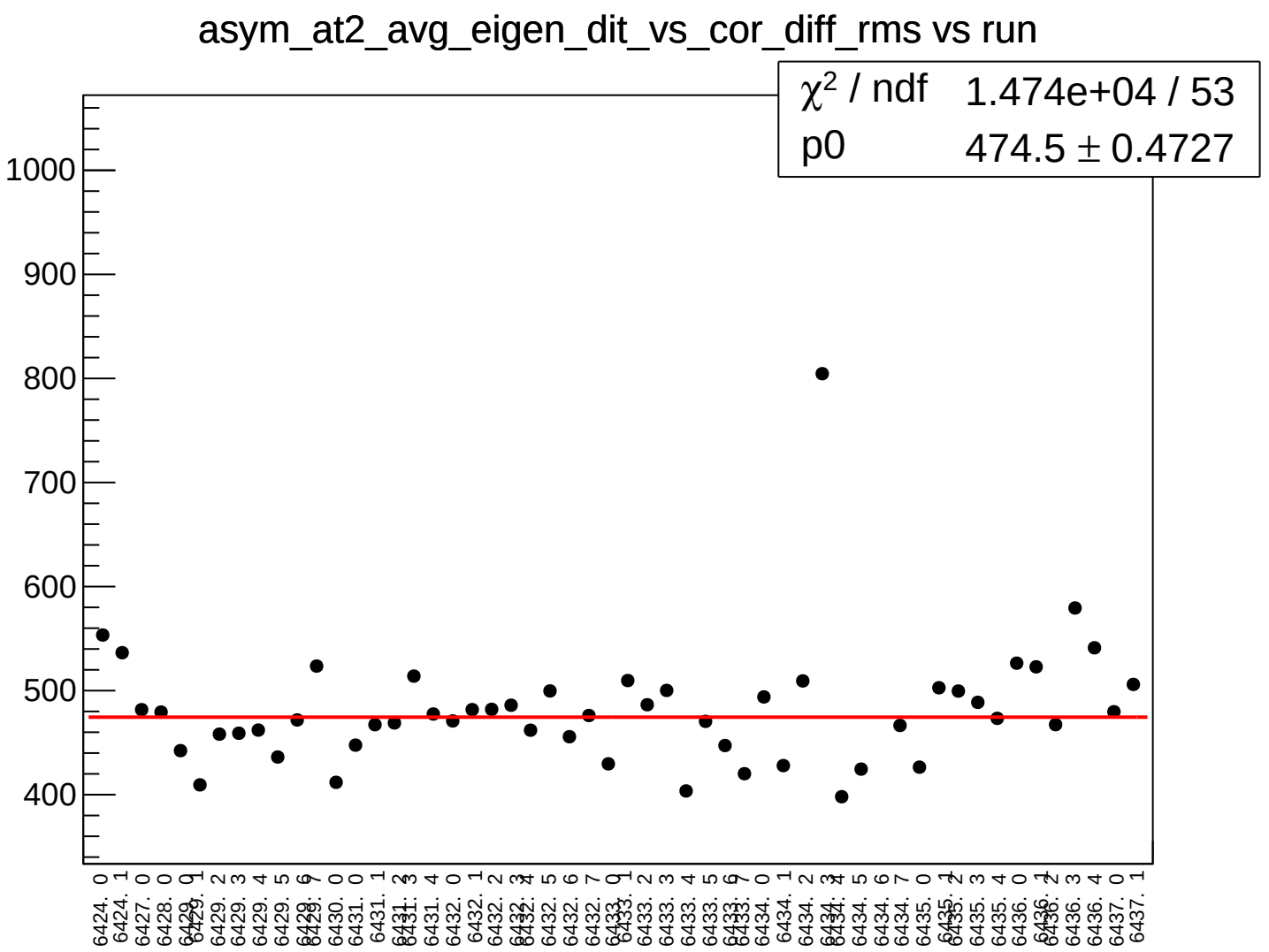

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.474e+04 / 53
p0 474.5 ± 0.4726
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

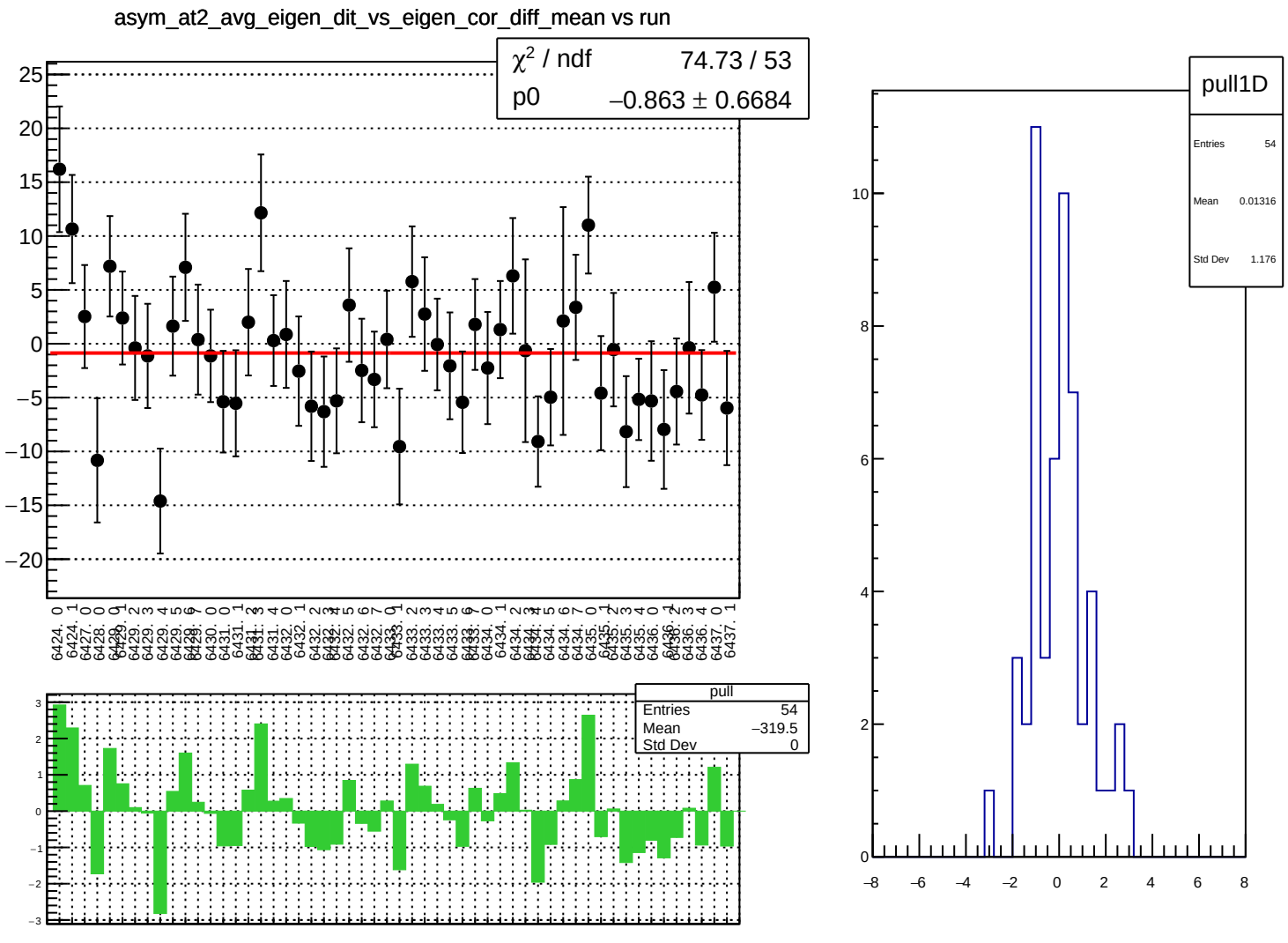

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 57.23 / 53
p0 −1.527e−05 ± 3.344e−05
pull
Entries 54
Mean −91.82
Std Dev 0

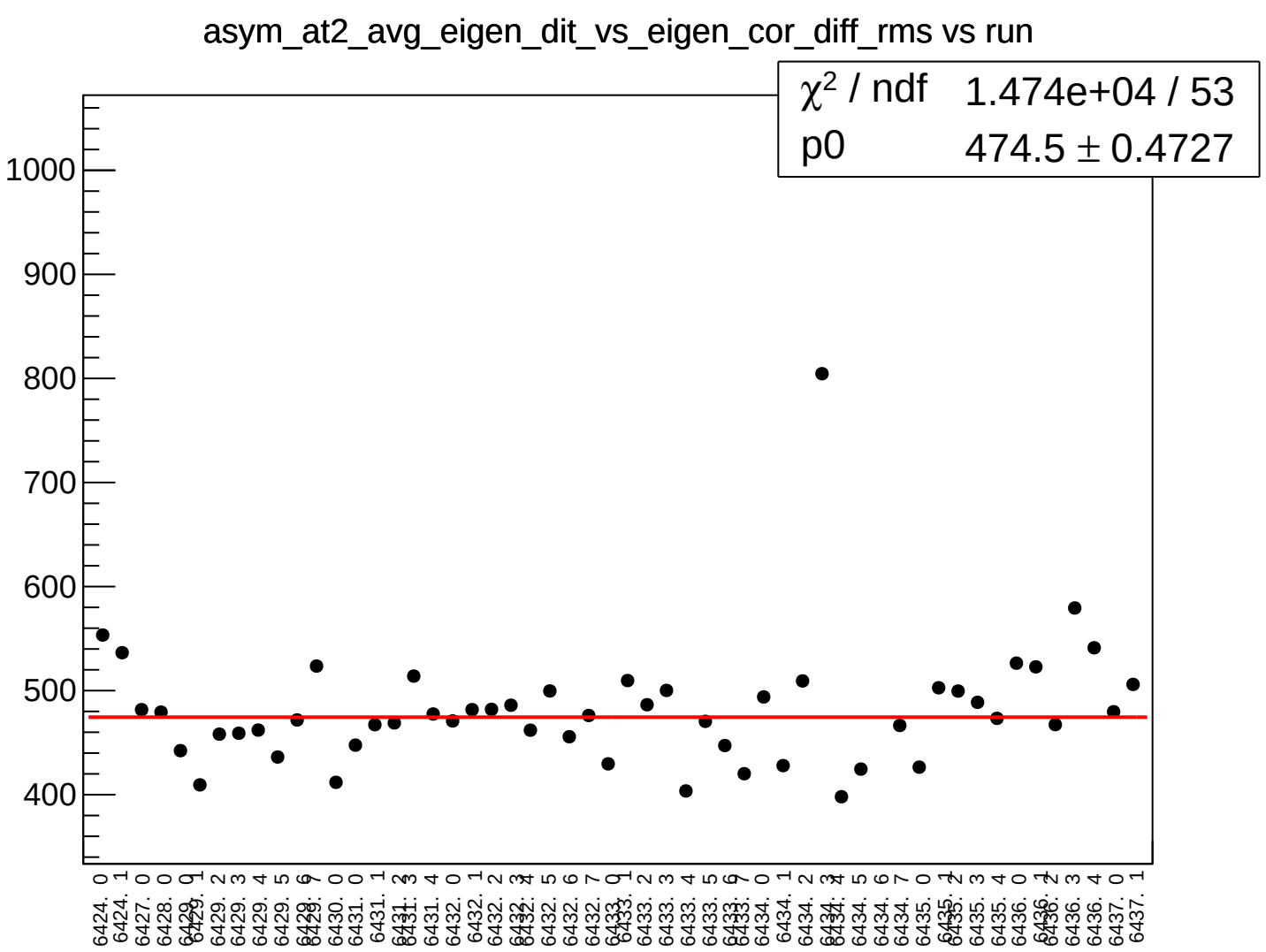

pull1D
Entries 54
Mean −0.006307
Std Dev 1.029

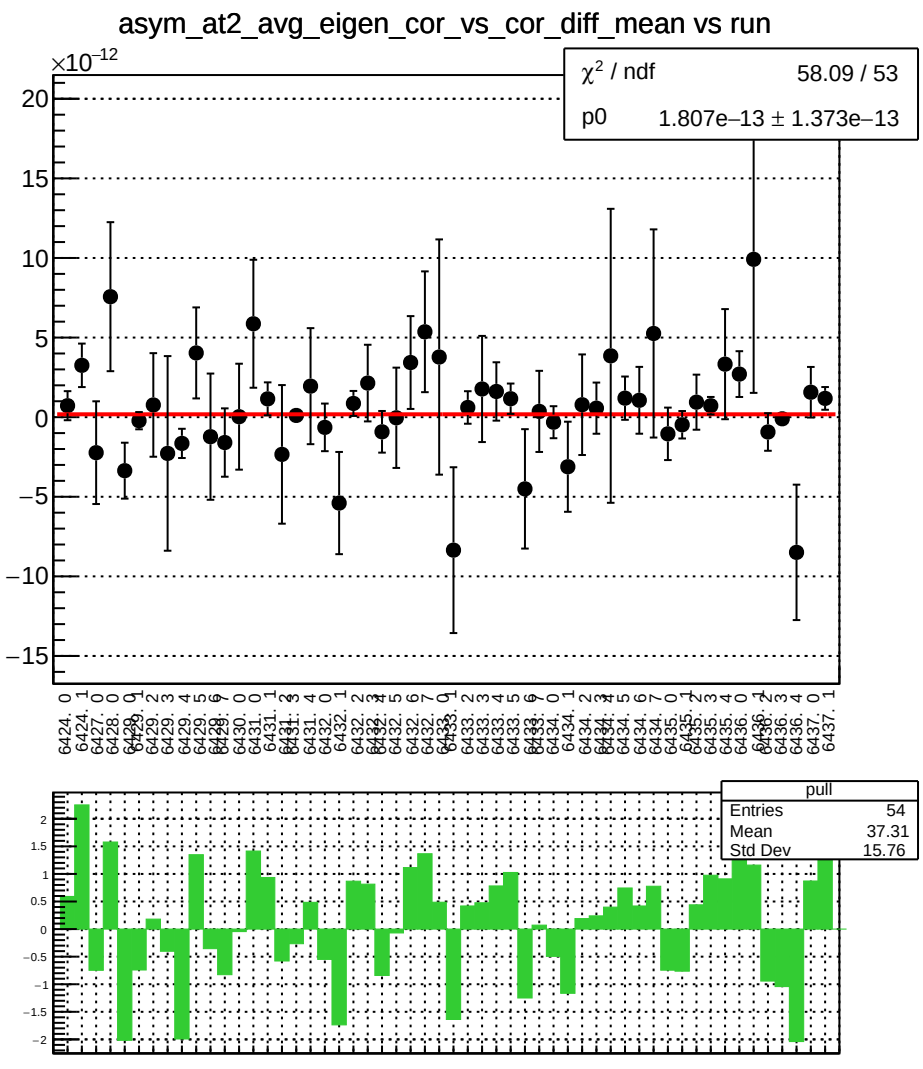

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2460 / 53
p0 0.02388 ± 2.364e−05
0.027
0.026
0.025
0.024
0.023
0.022
0.021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

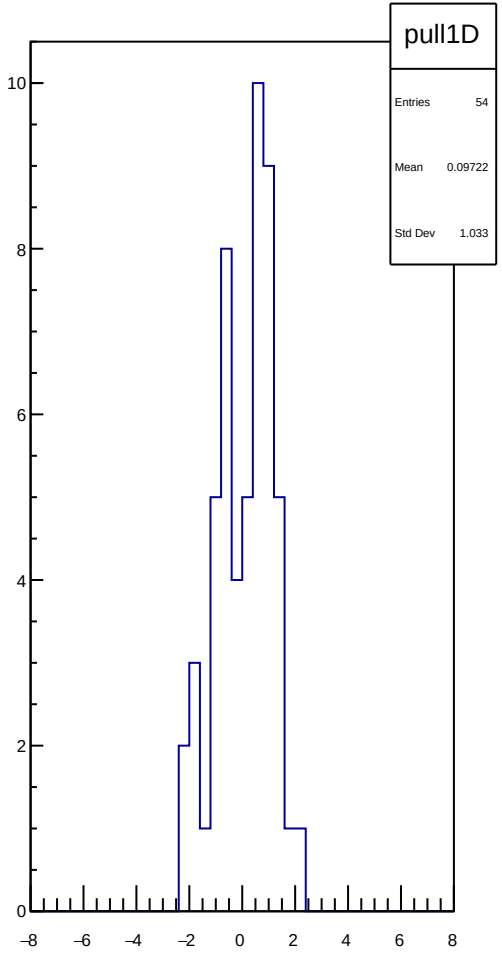

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.73 / 53
p0 −0.863 ± 0.6684
pull
Entries 54
Mean −319.5
Std Dev 0
pull1D
Entries 54
Mean 0.01316
Std Dev 1.176

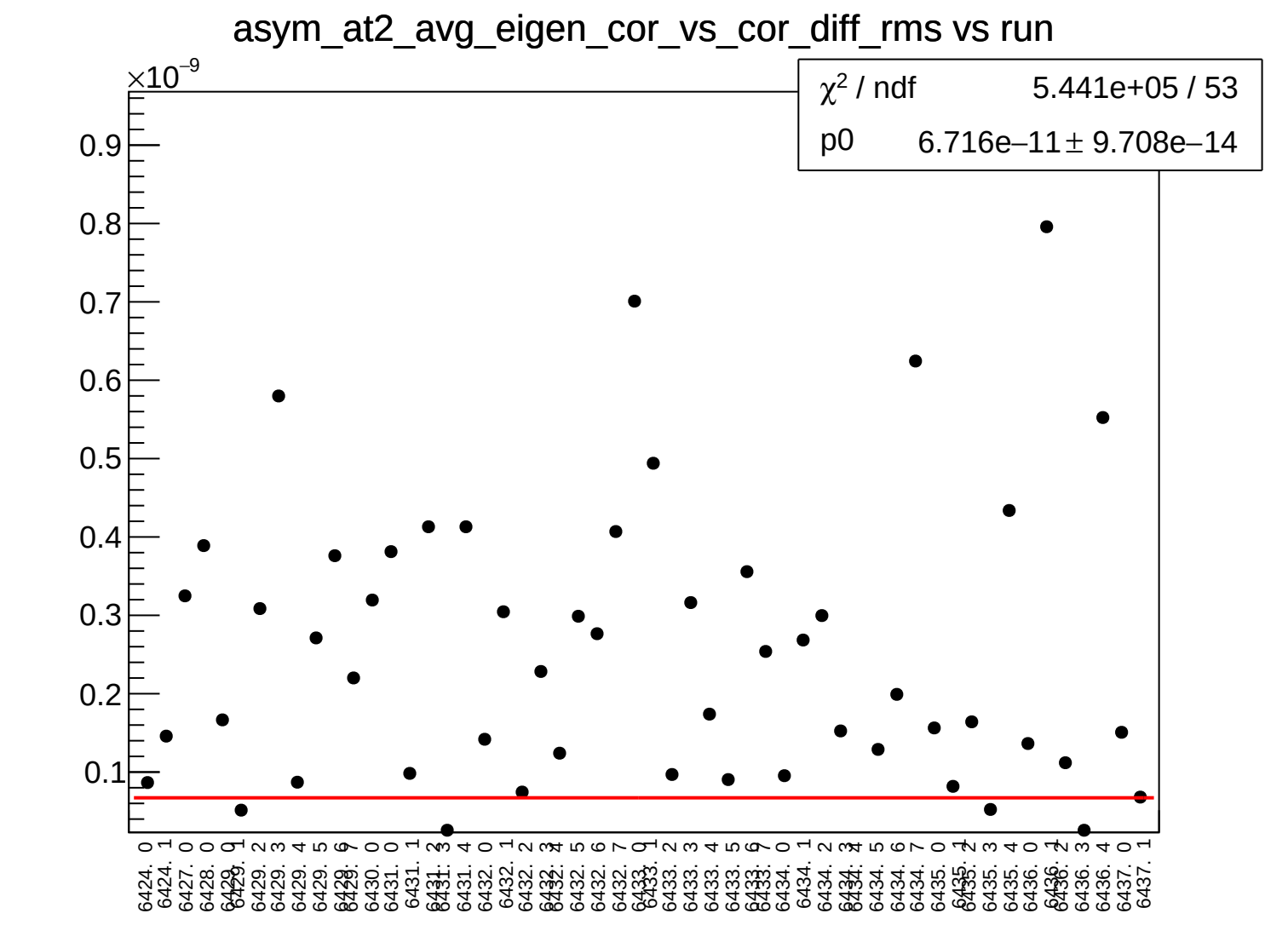

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.474e+04 / 53
p0 474.5 ± 0.4727
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

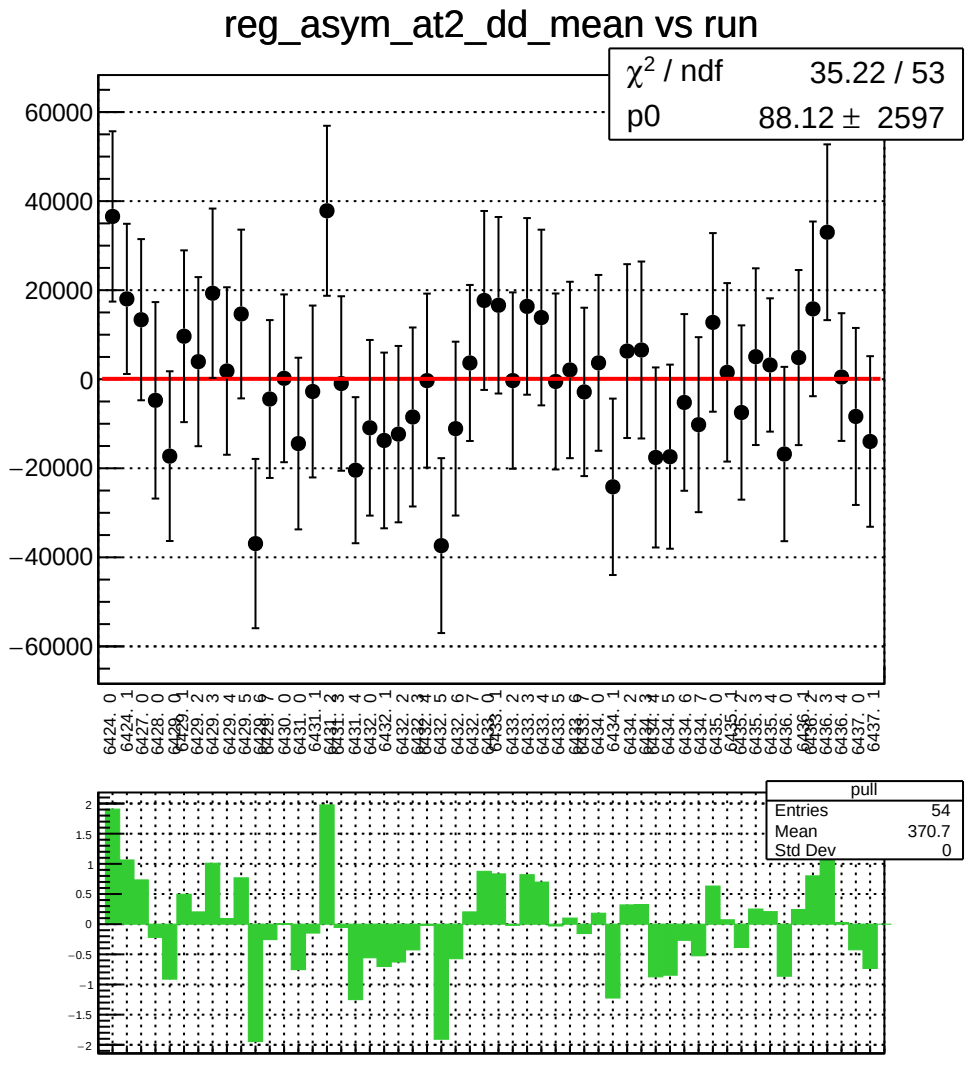

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.73 / 53
p0 −0.863 ± 0.6684
pull
Entries 54
Mean −319.5
Std Dev 0
pull1D
Entries 54
Mean 0.01316
Std Dev 1.176

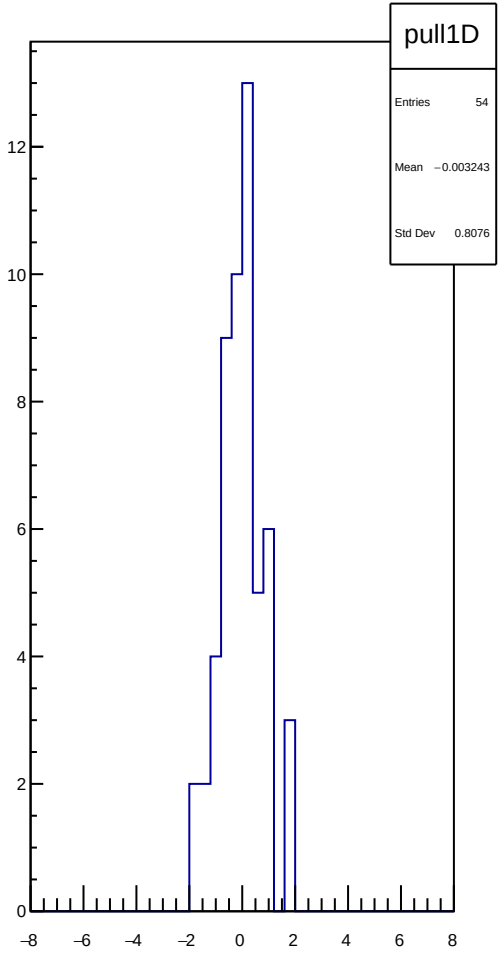

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.474e+04 / 53
p0 474.5 ± 0.4727
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

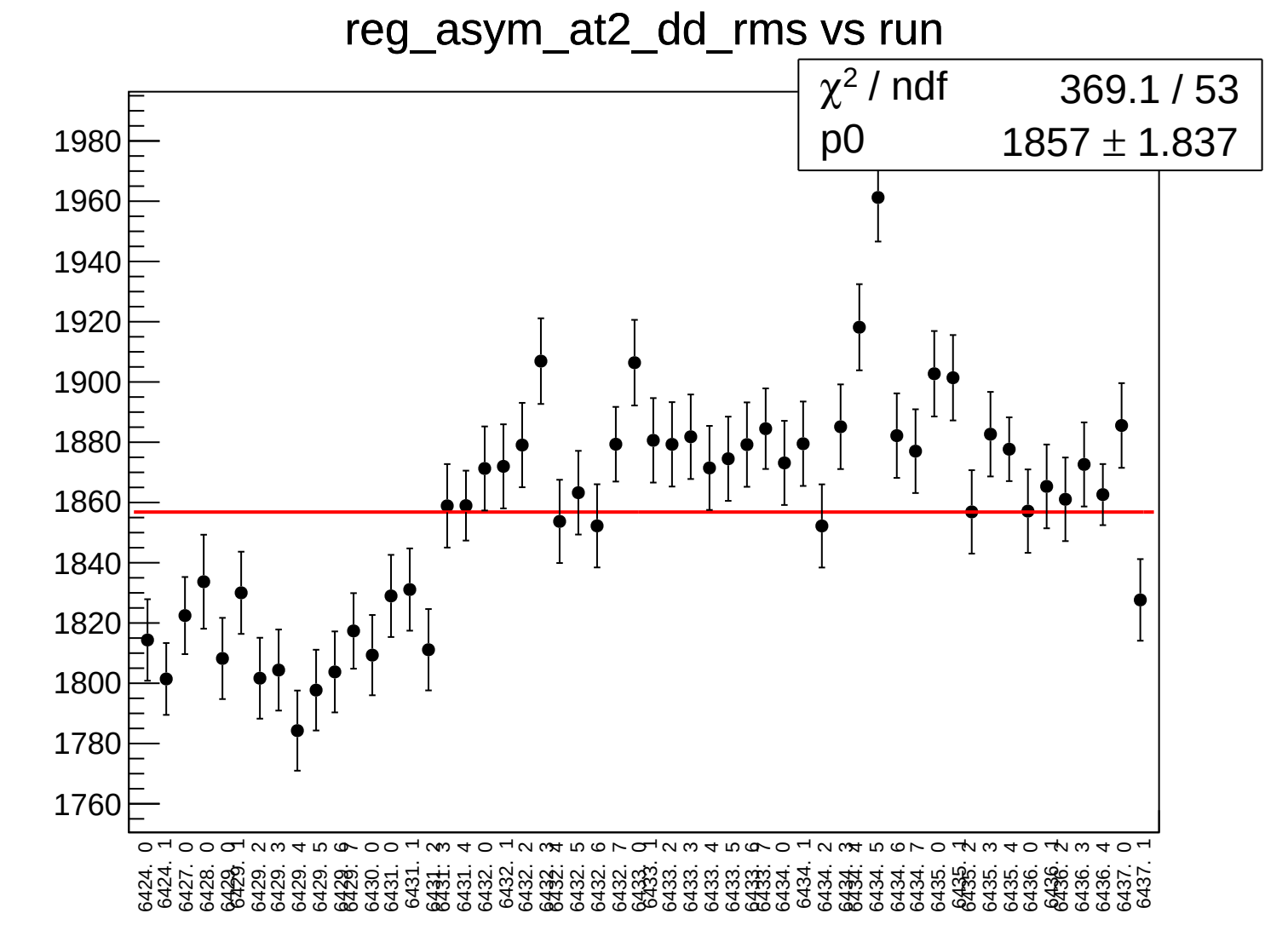

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.09 / 53
p0 1.807e−13 ± 1.373e−13
pull
Entries 54
Mean 37.31
Std Dev 15.76

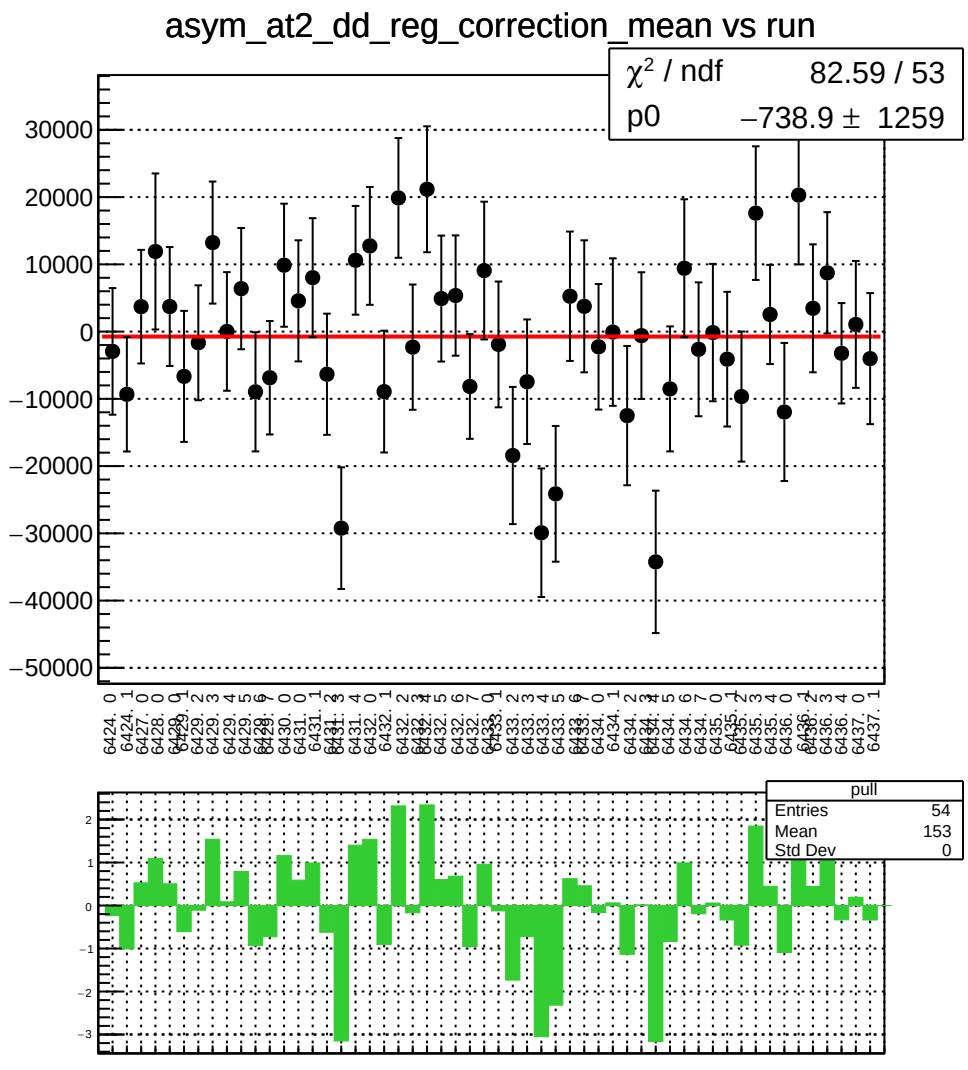

pull1D
Entries 54
Mean 0.09722
Std Dev 1.033

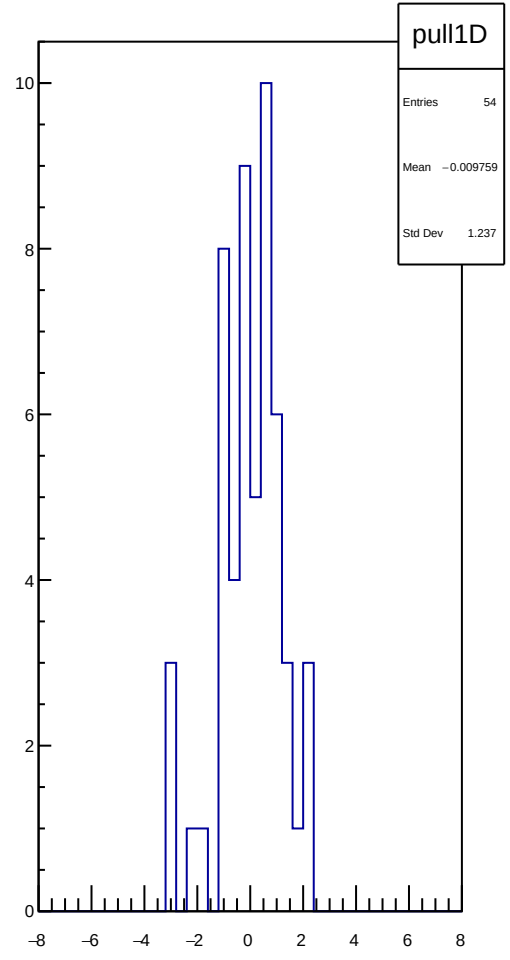

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.441e+05 / 53
p0 6.716e−11 ± 9.708e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

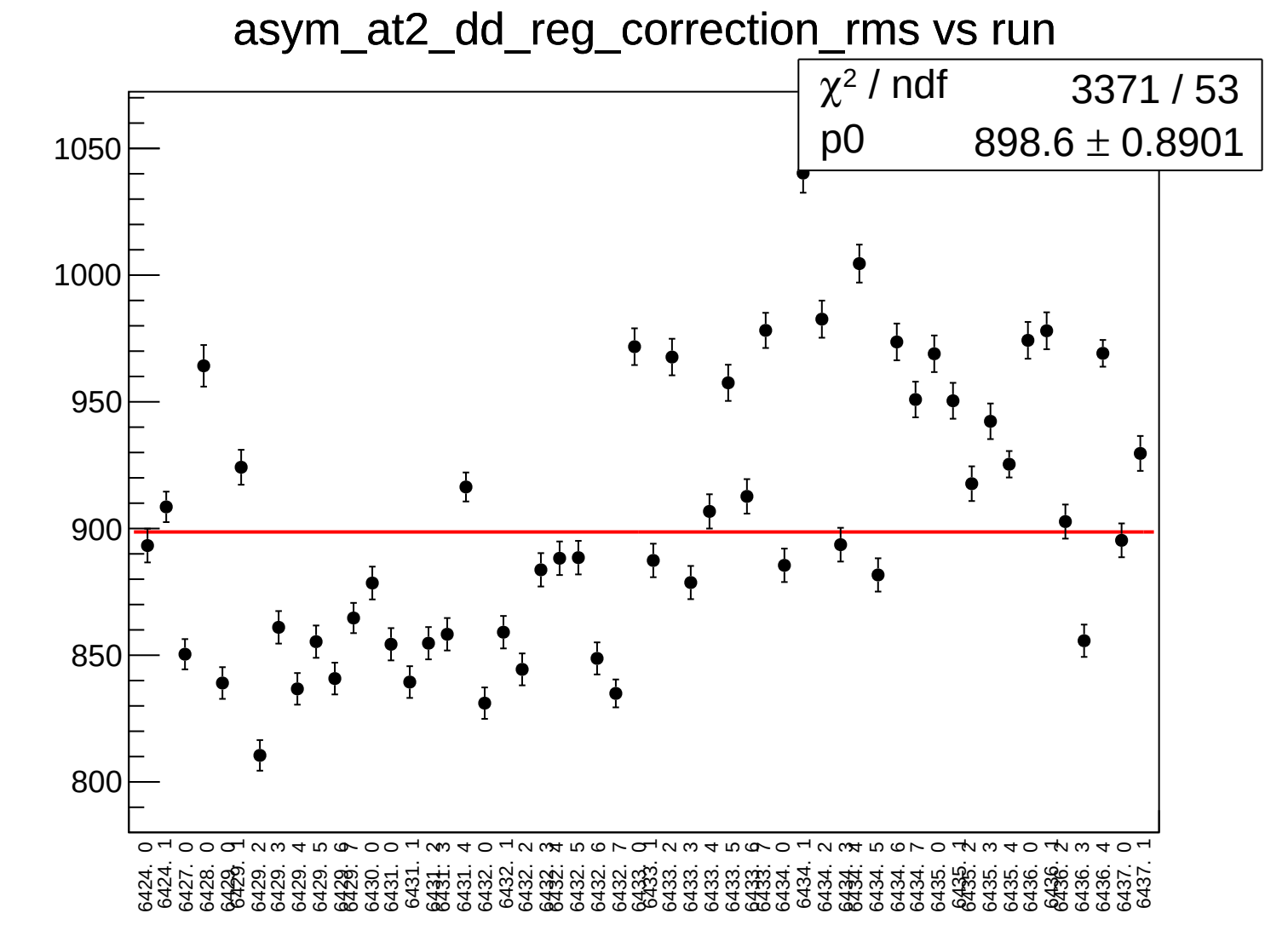

reg_asym_at2_dd_mean vs run
χ² / ndf 35.22 / 53
p0 88.12 ± 2597
pull
Entries 54
Mean 370.7
Std Dev 0

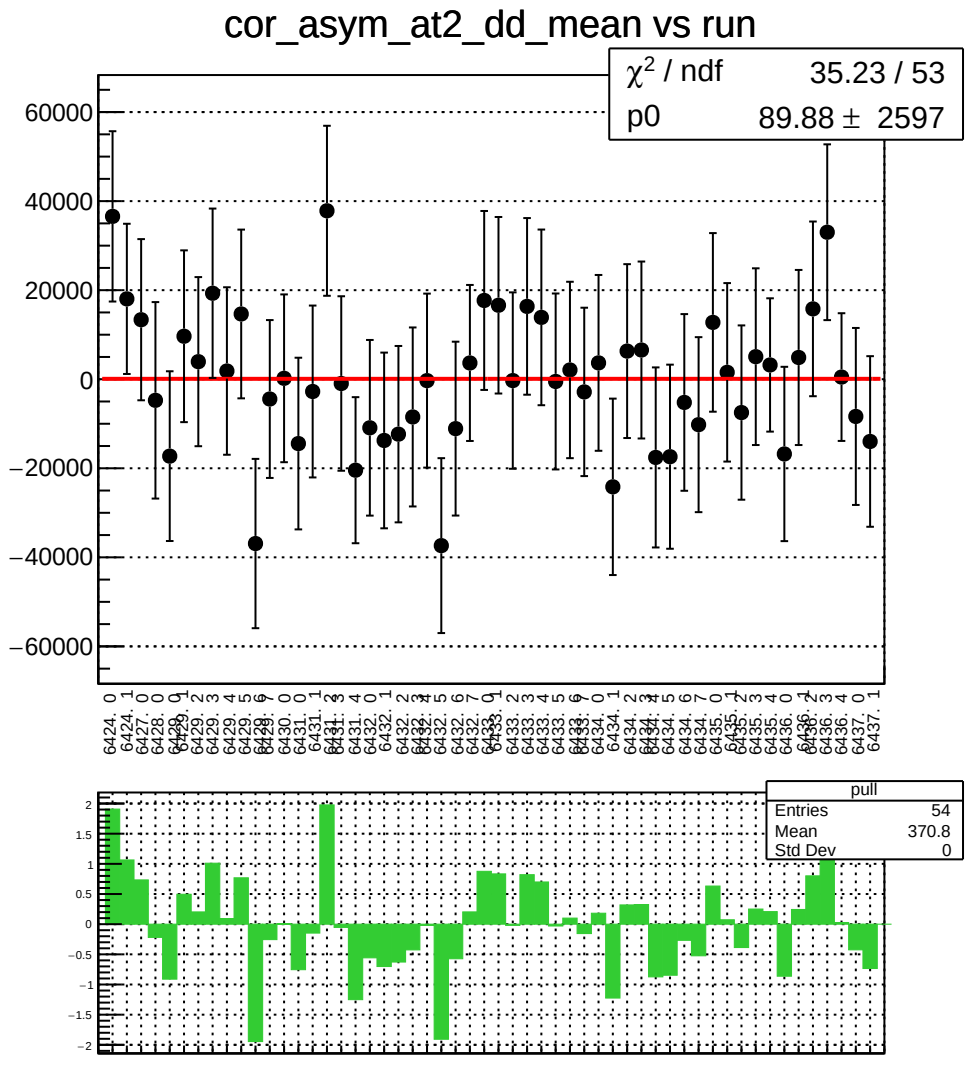

pull1D
Entries 54
Mean −0.003243
Std Dev 0.8076

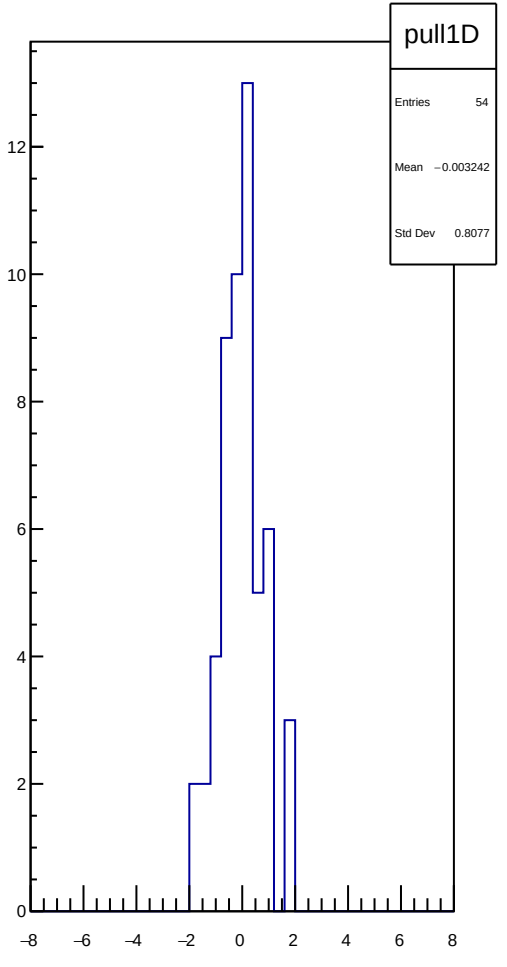

reg_asym_at2_dd_rms vs run
χ^2 / ndf 369.1 / 53
p0 1857 ± 1.837
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

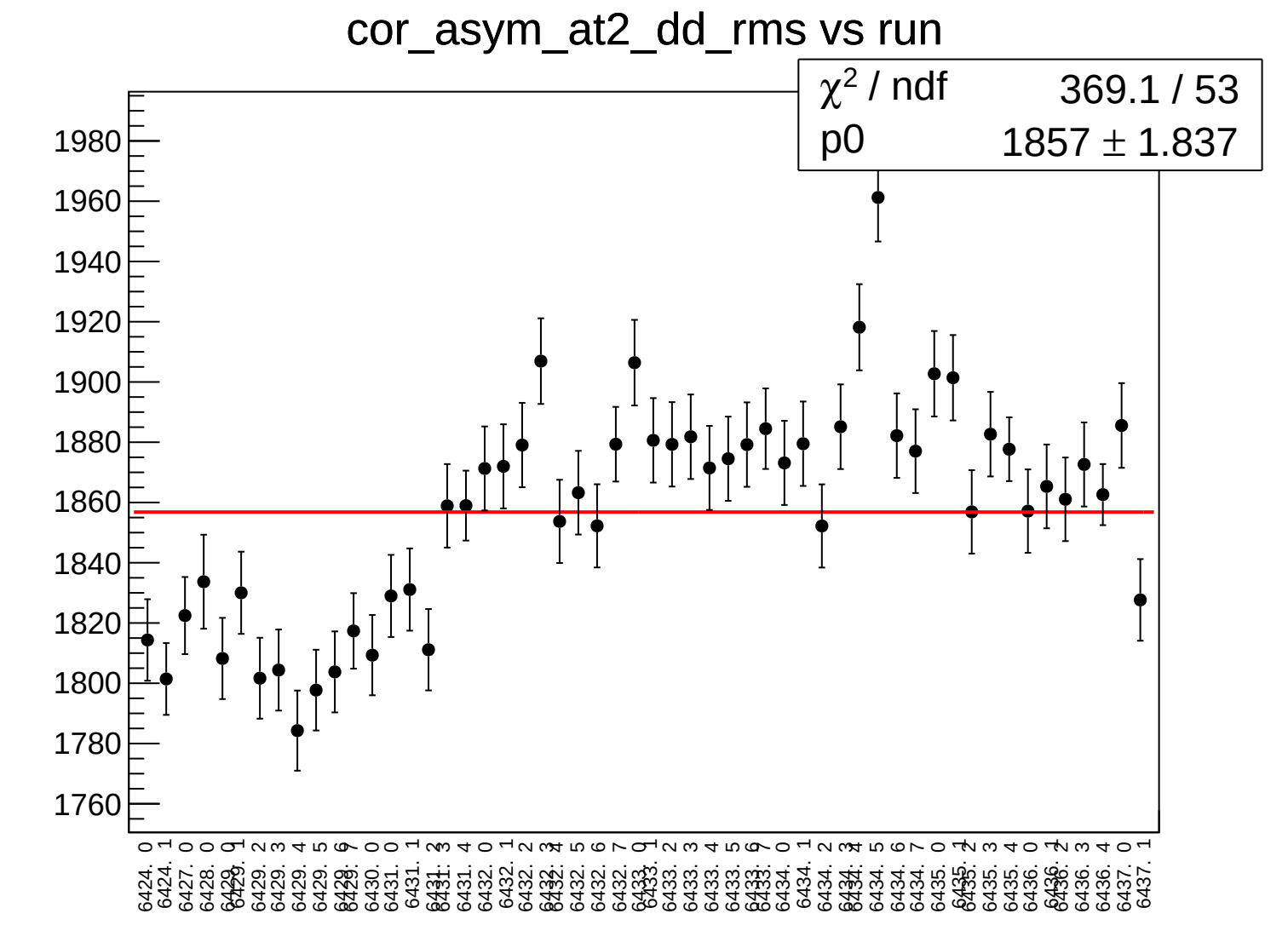

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 82.59 / 53
p0 −738.9 ± 1259
pull
Entries 54
Mean 153
Std Dev 0

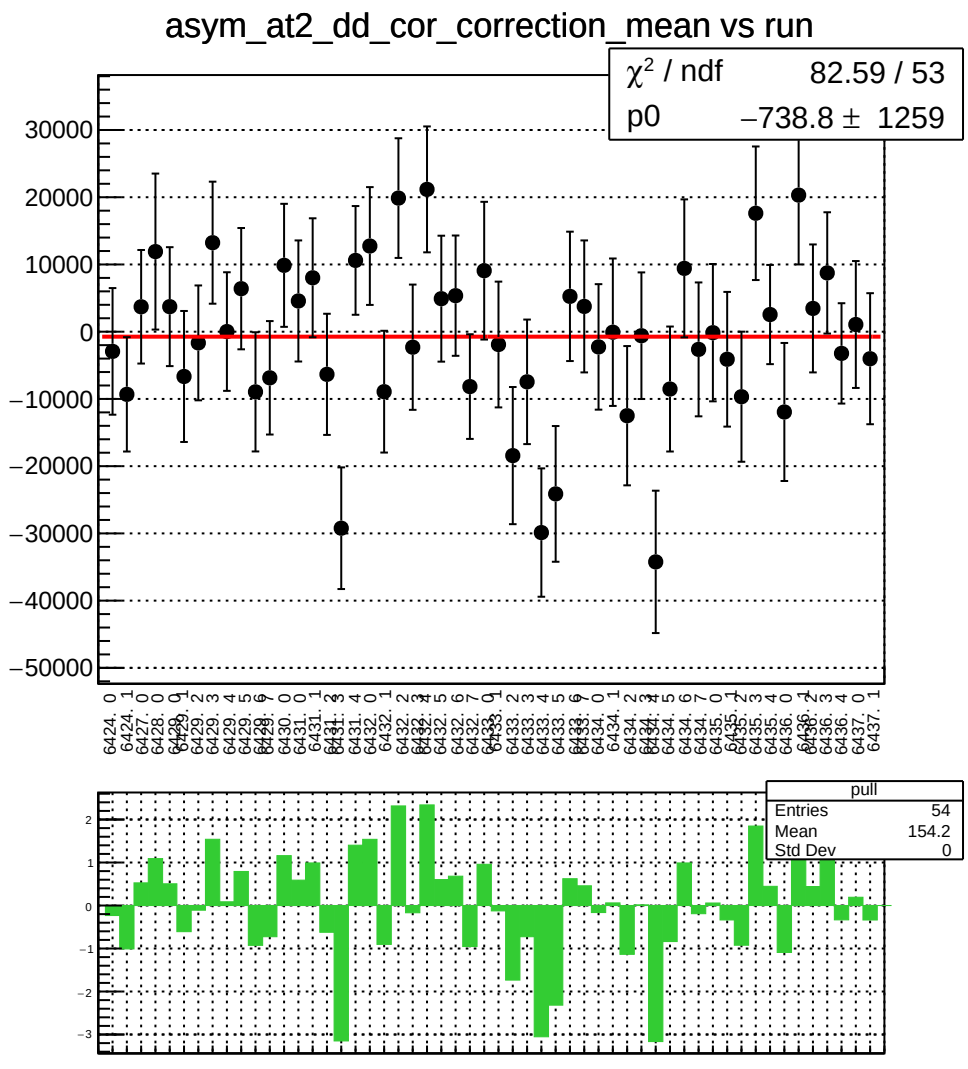

pull1D
Entries 54
Mean −0.009759
Std Dev 1.237

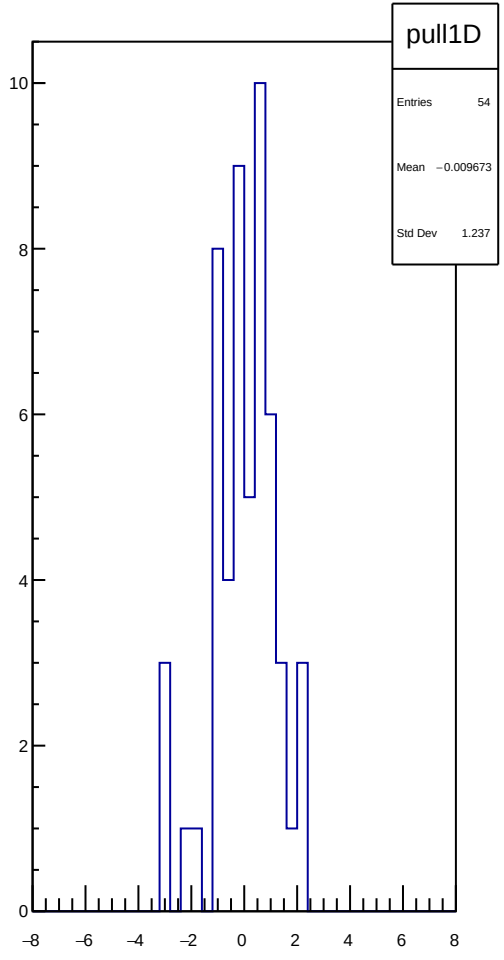

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 3371 / 53
p0 898.6 ± 0.8901
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

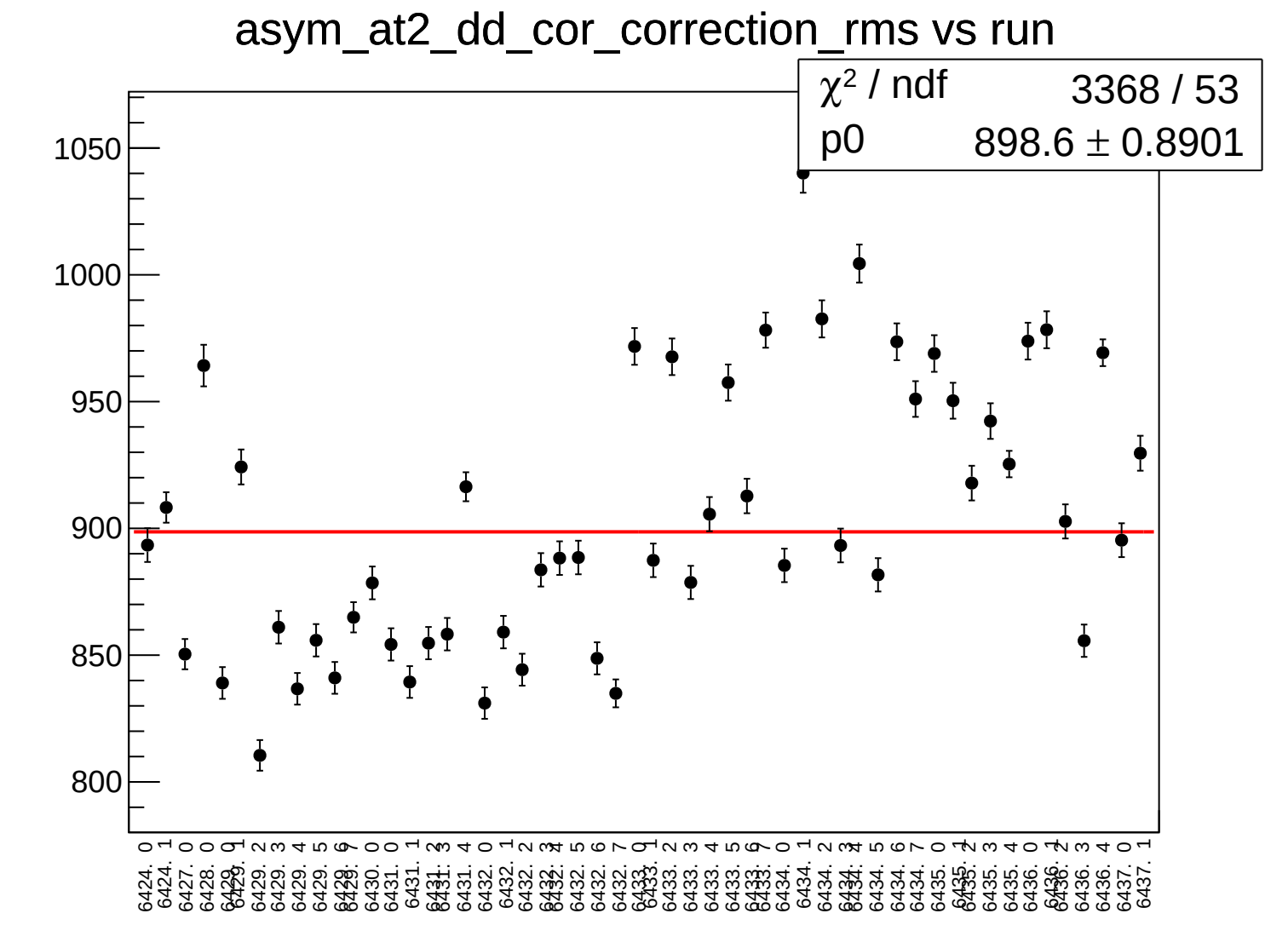

cor_asym_at2_dd_mean vs run
χ² / ndf 35.23 / 53
p0 89.88 ± 2597
pull
Entries 54
Mean 370.8
Std Dev 0

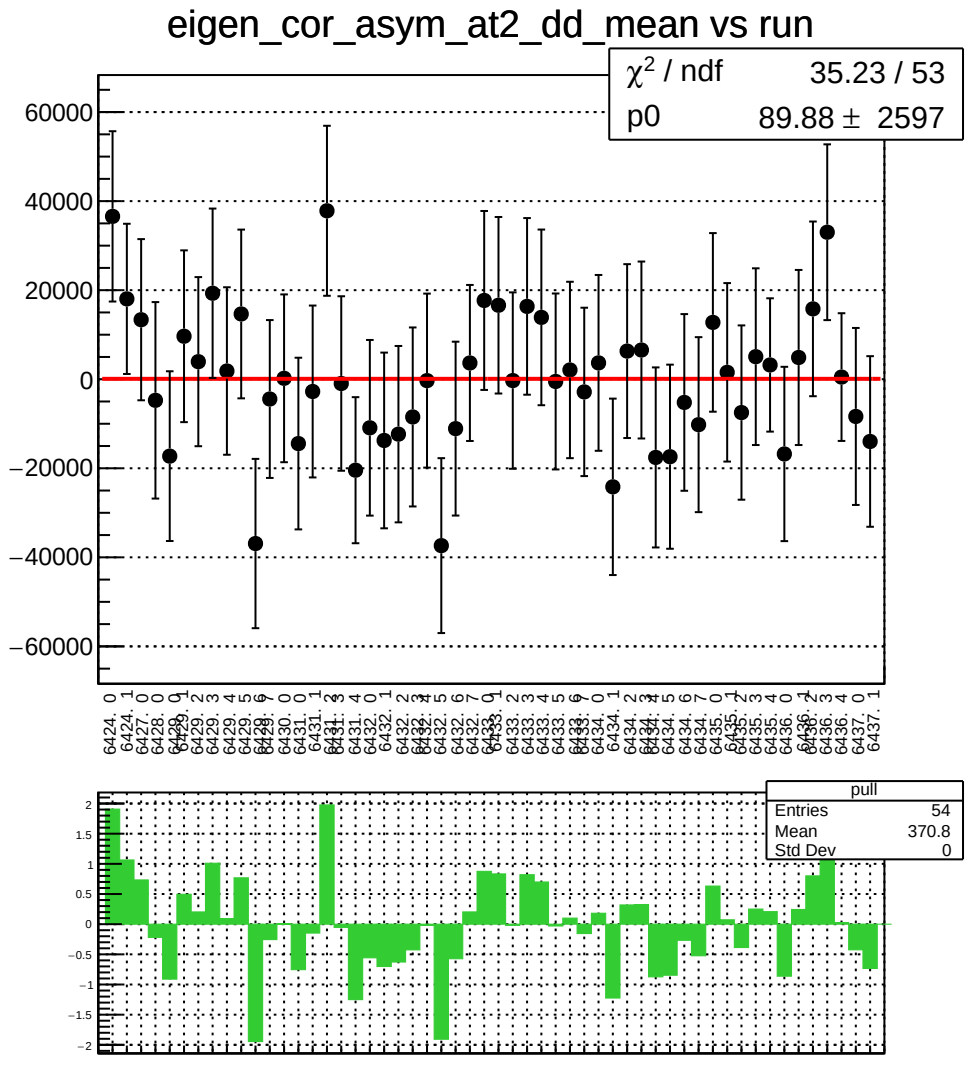

pull1D
Entries 54
Mean −0.003242
Std Dev 0.8077

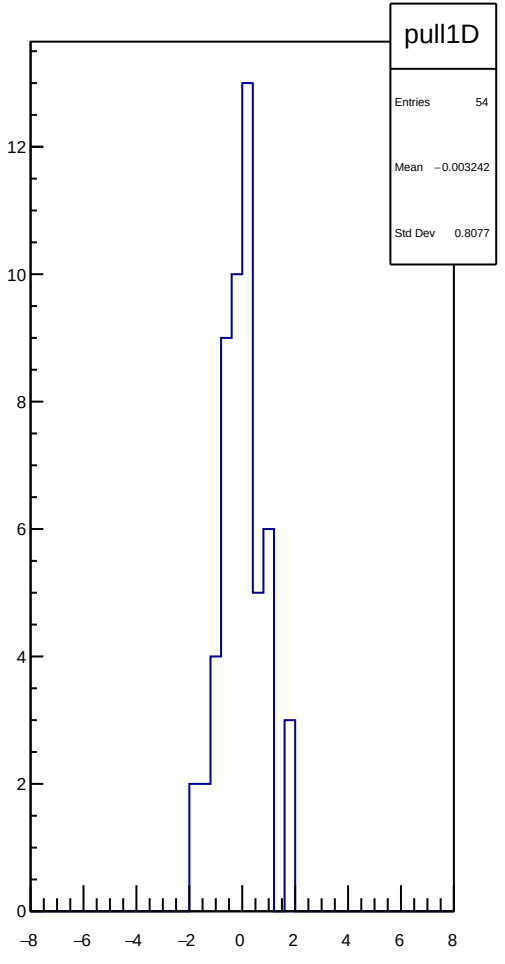

cor_asym_at2_dd_rms vs run
χ² / ndf 369.1 / 53
p0 1857 ± 1.837
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

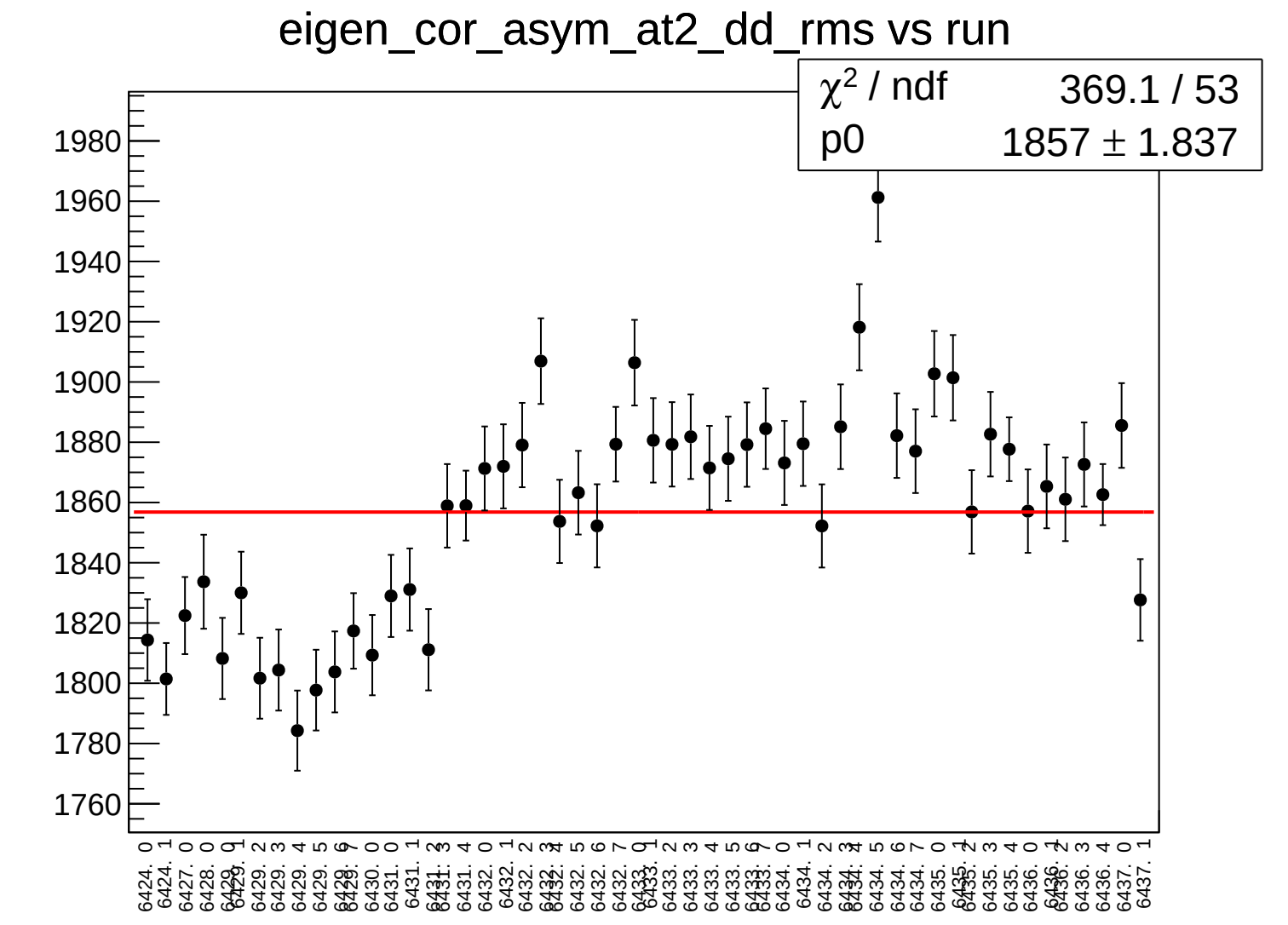

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 82.59 / 53
p0 −738.8 ± 1259
pull
Entries 54
Mean 154.2
Std Dev 0

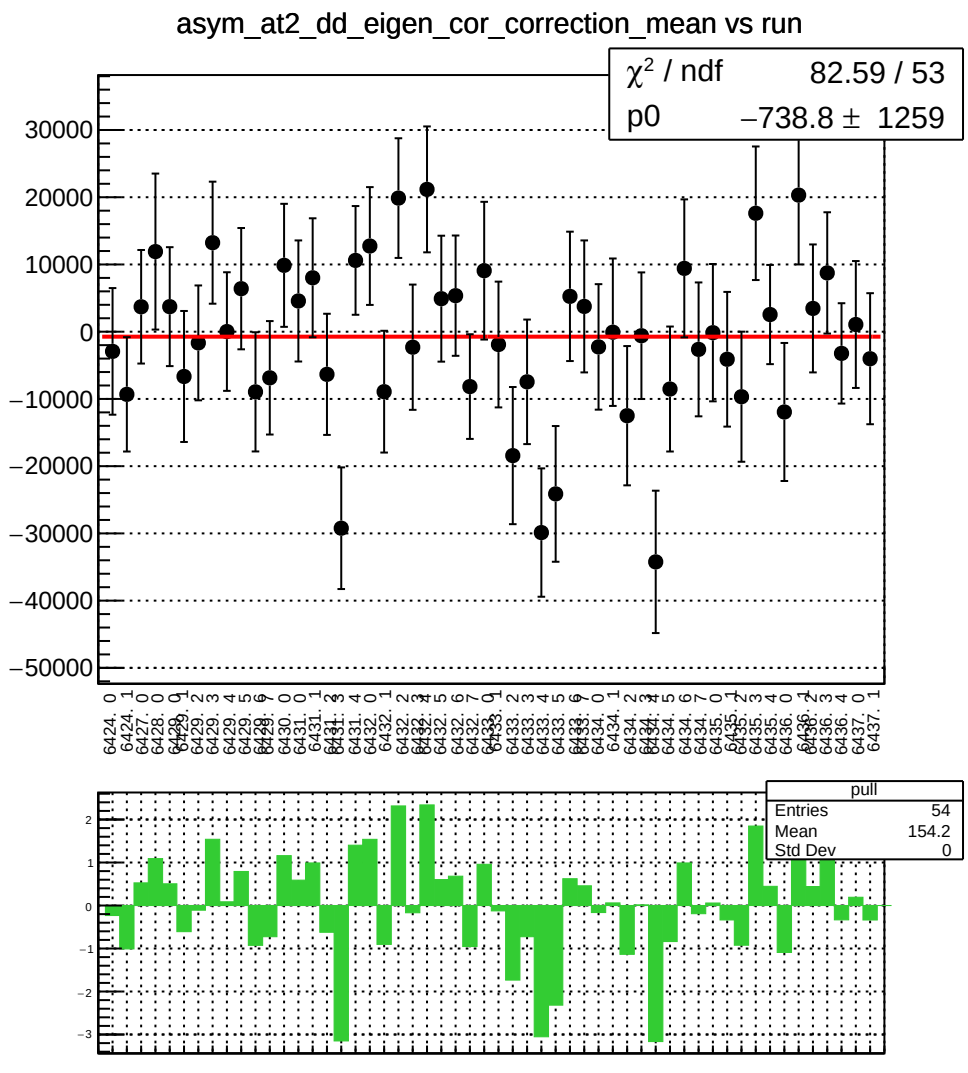

pull1D
Entries 54
Mean −0.009673
Std Dev 1.237

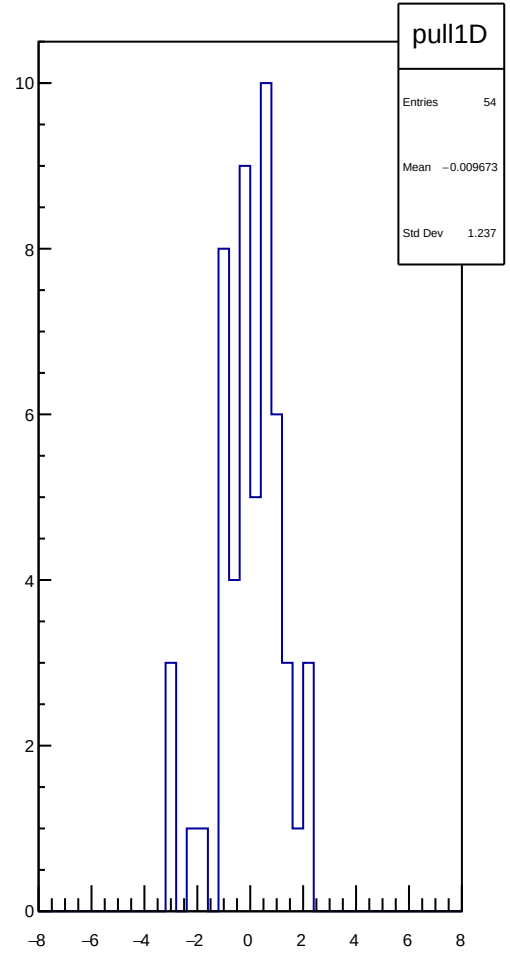

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 3368 / 53
p0 898.6 ± 0.8901
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

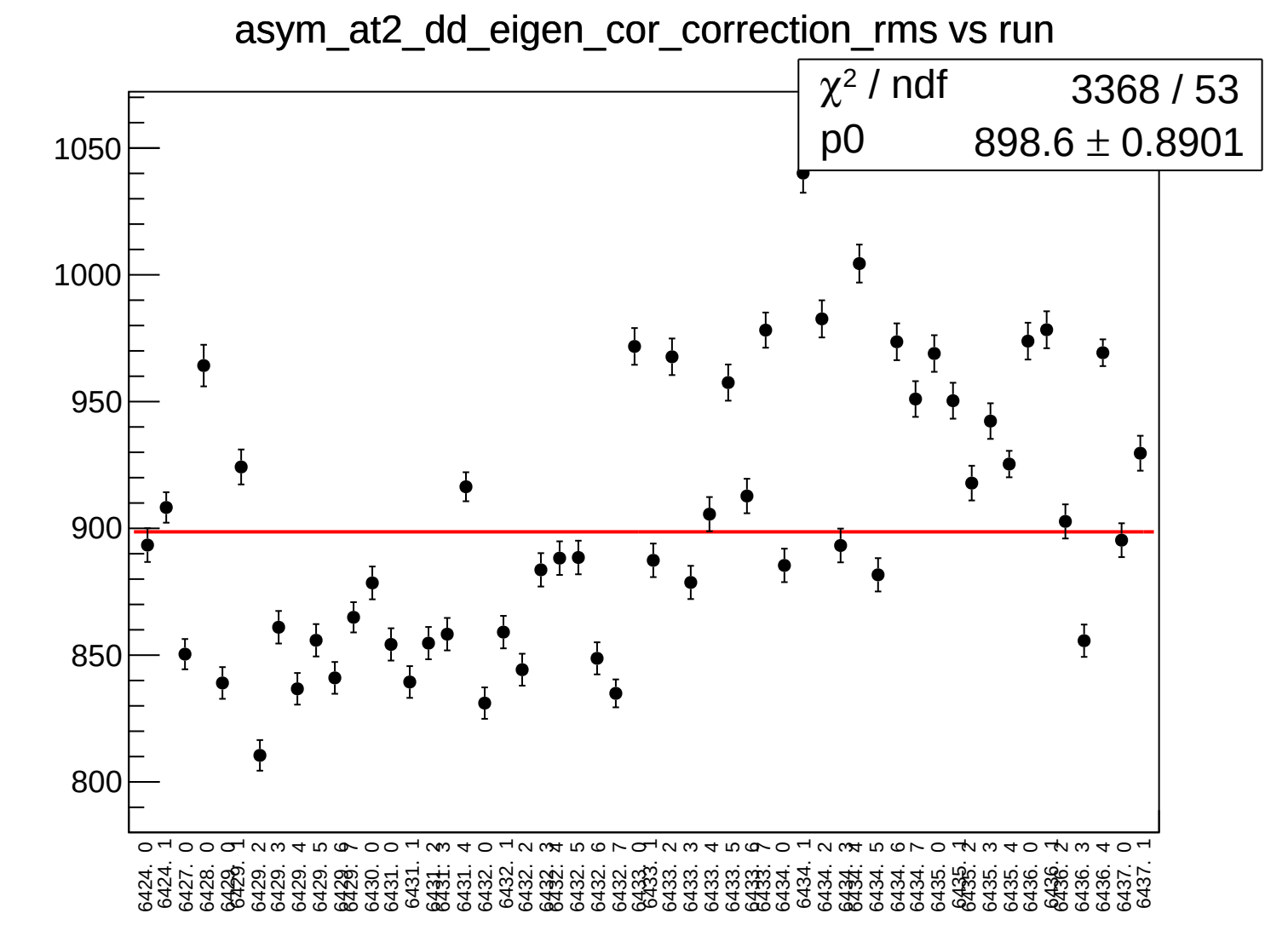

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 35.23 / 53
p0 89.88 ± 2597
pull
Entries 54
Mean 370.8
Std Dev 0


pull1D
Entries 54
Mean −0.003242
Std Dev 0.8077


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 369.1 / 53
p0 1857 ± 1.837
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 82.59 / 53
p0 −738.8 ± 1259
pull
Entries 54
Mean 154.2
Std Dev 0


pull1D
Entries 54
Mean −0.009673
Std Dev 1.237


asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3368 / 53
p0 898.6 ± 0.8901
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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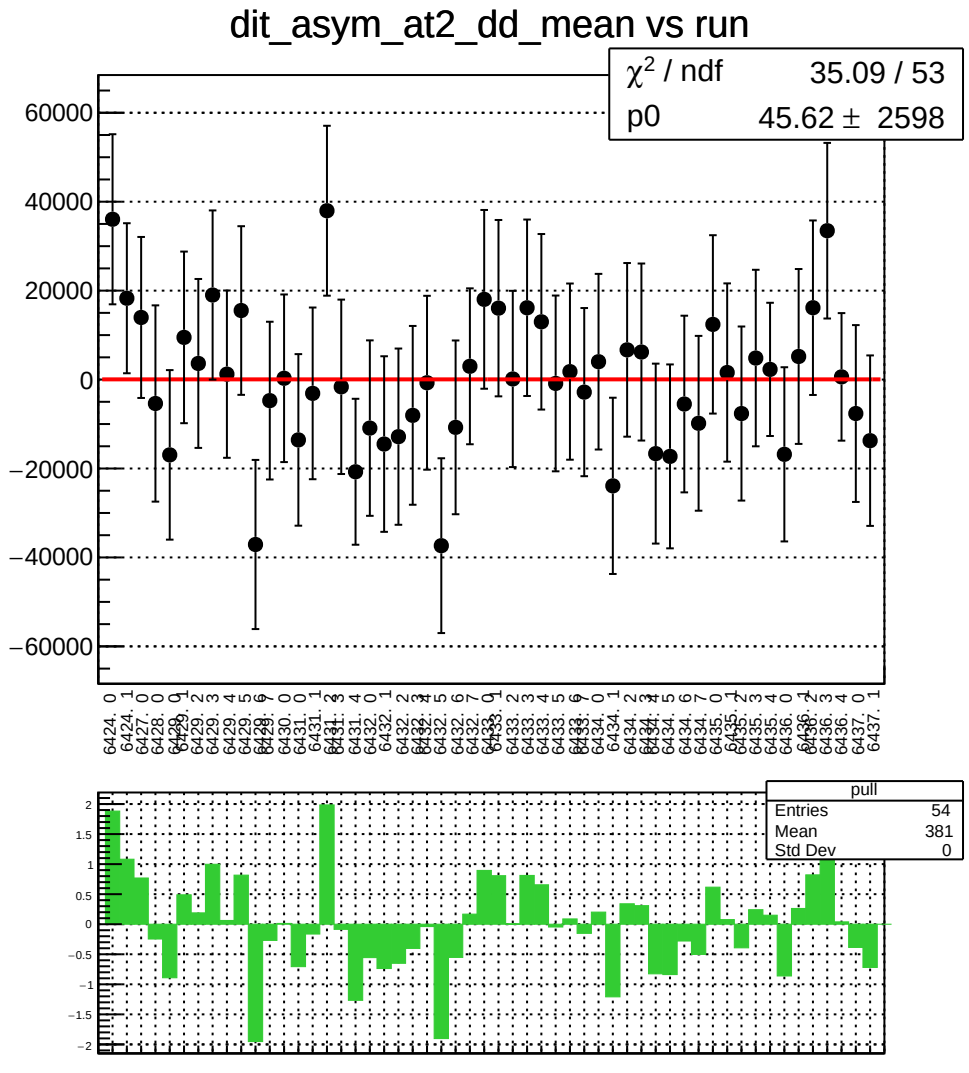
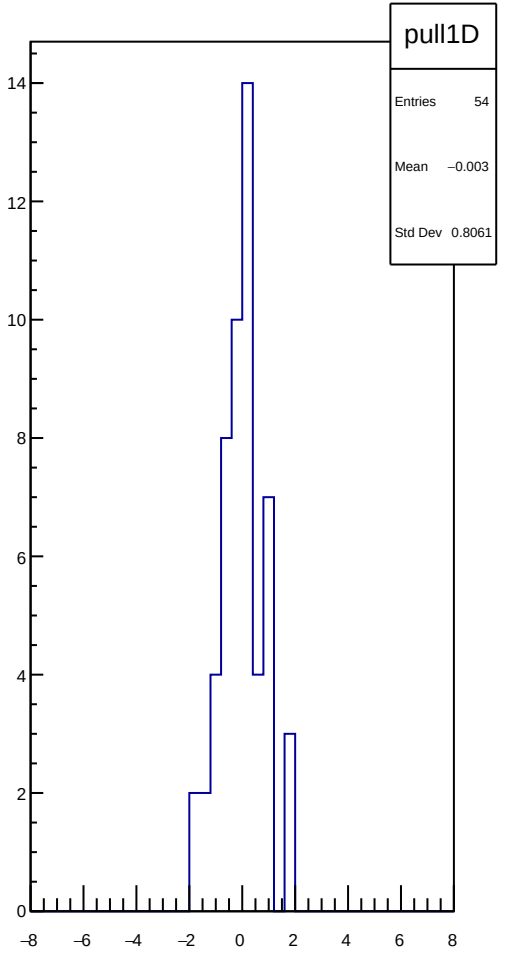
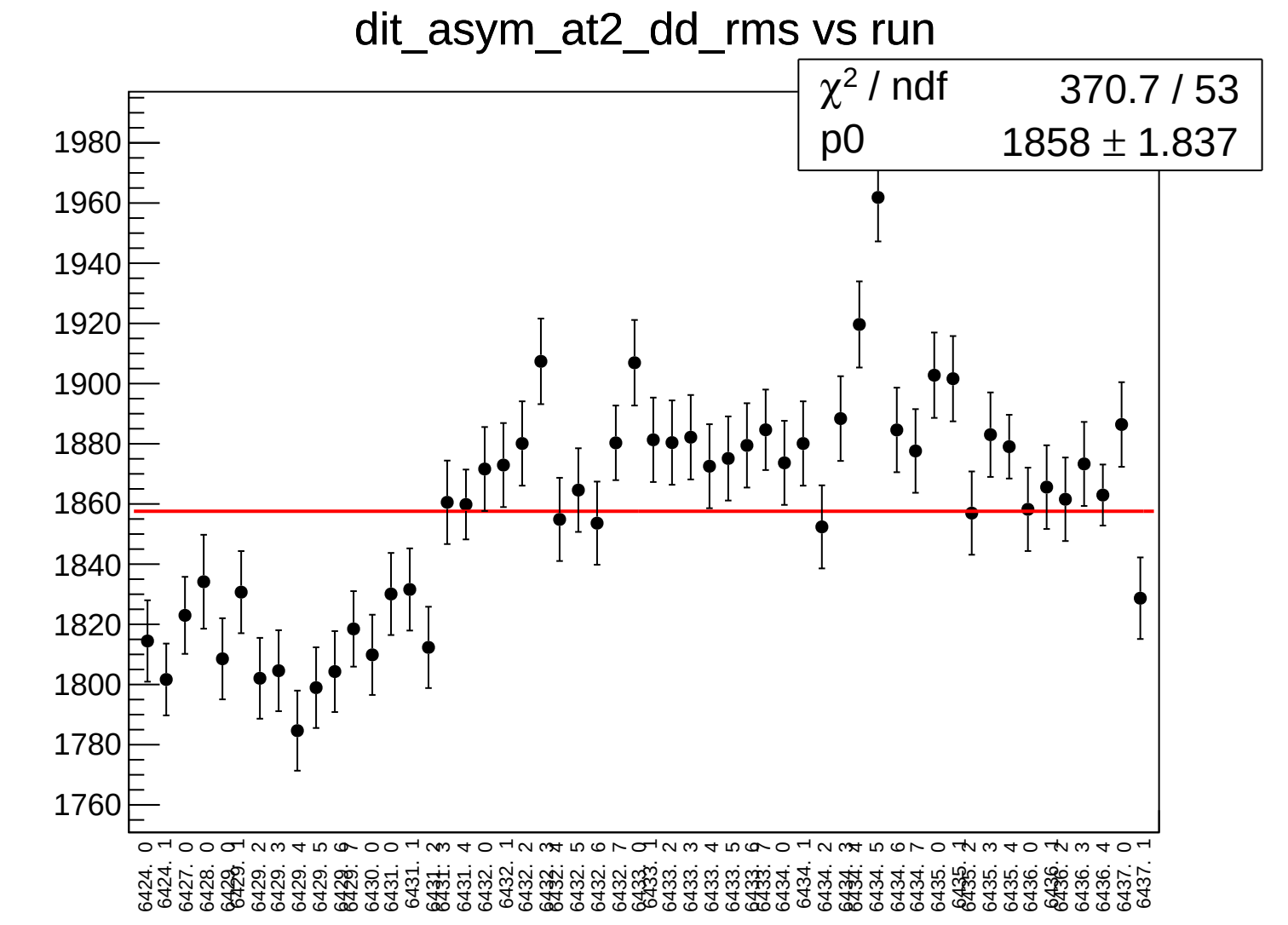
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_at2_dd_mean vs run
χ² / ndf 35.09 / 53
p0 45.62 ± 2598
pull
Entries 54
Mean 381
Std Dev 0


pull1D
Entries 54
Mean −0.003
Std Dev 0.8061


dit_asym_at2_dd_rms vs run
χ² / ndf 370.7 / 53
p0 1858 ± 1.837
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
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6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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6435. 3
6435. 4
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6436. 3
6436. 4
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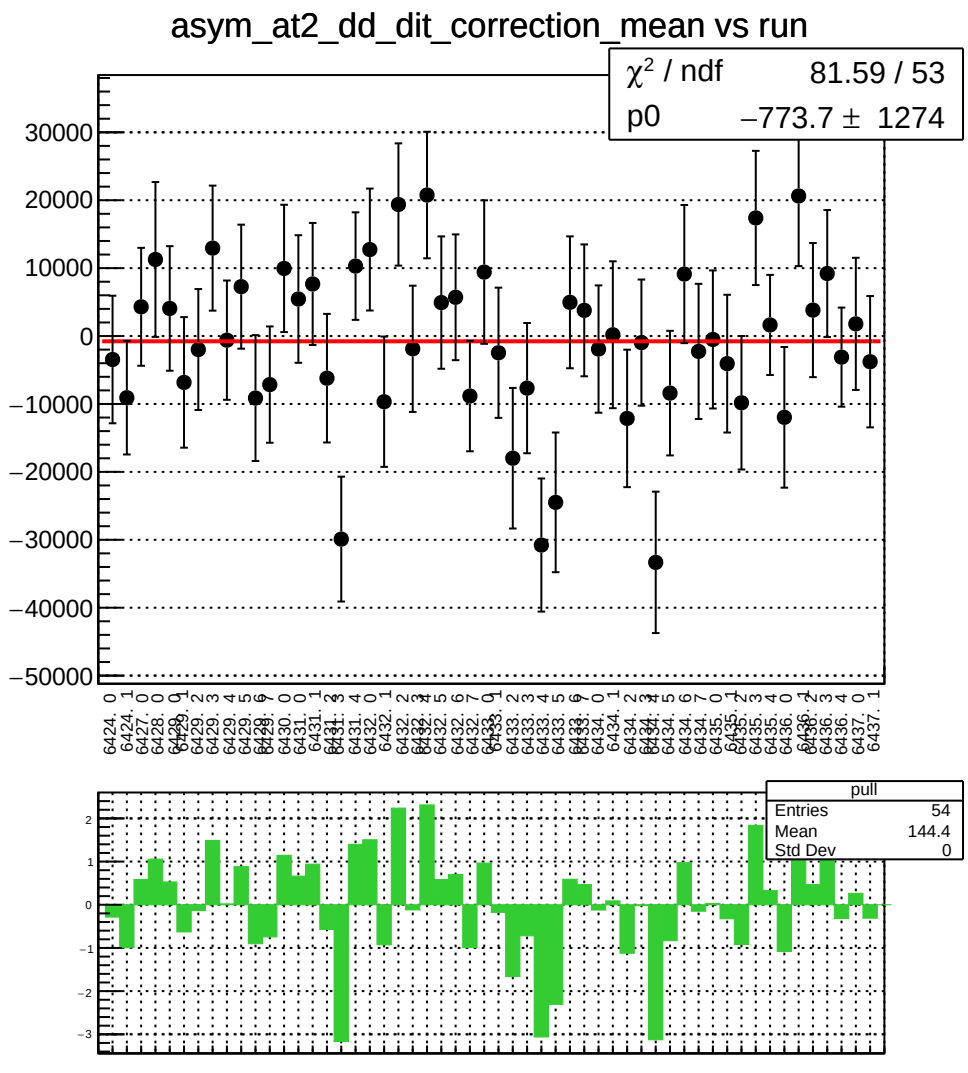
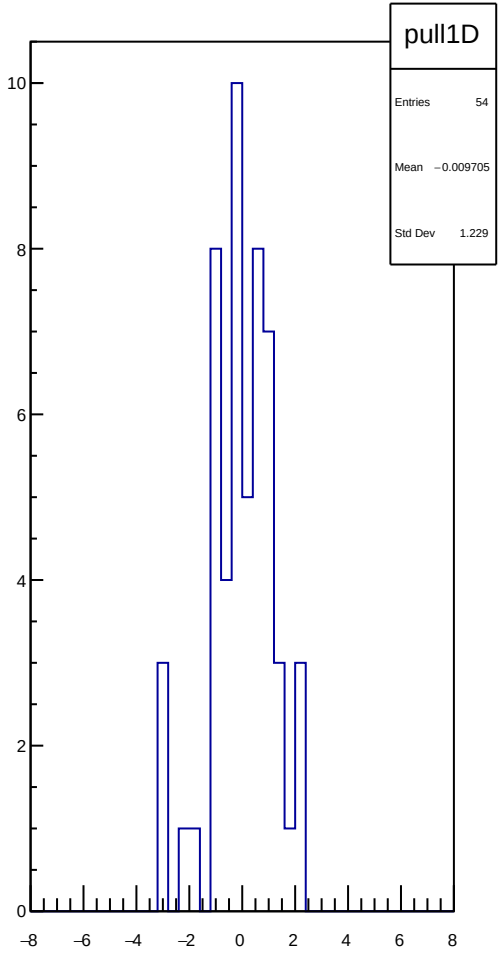
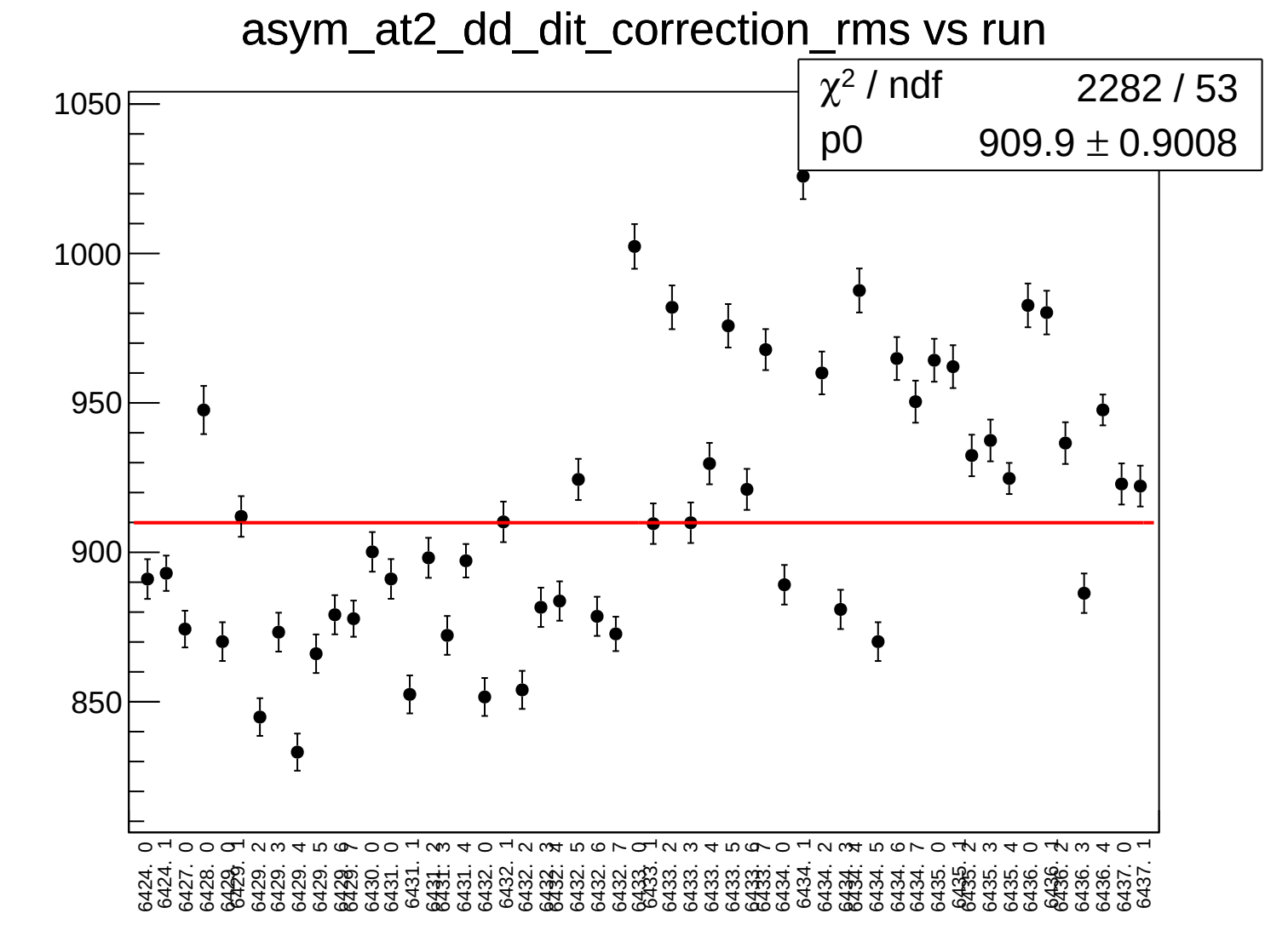
6437. 1


asym_at2_dd_dit_correction_mean vs run
χ² / ndf 81.59 / 53
p0 −773.7 ± 1274
pull
Entries 54
Mean 144.4
Std Dev 0


pull1D
Entries 54
Mean −0.009705
Std Dev 1.229


asym_at2_dd_dit_correction_rms vs run
χ² / ndf 2282 / 53
p0 909.9 ± 0.9008
1050
1000
950
900
850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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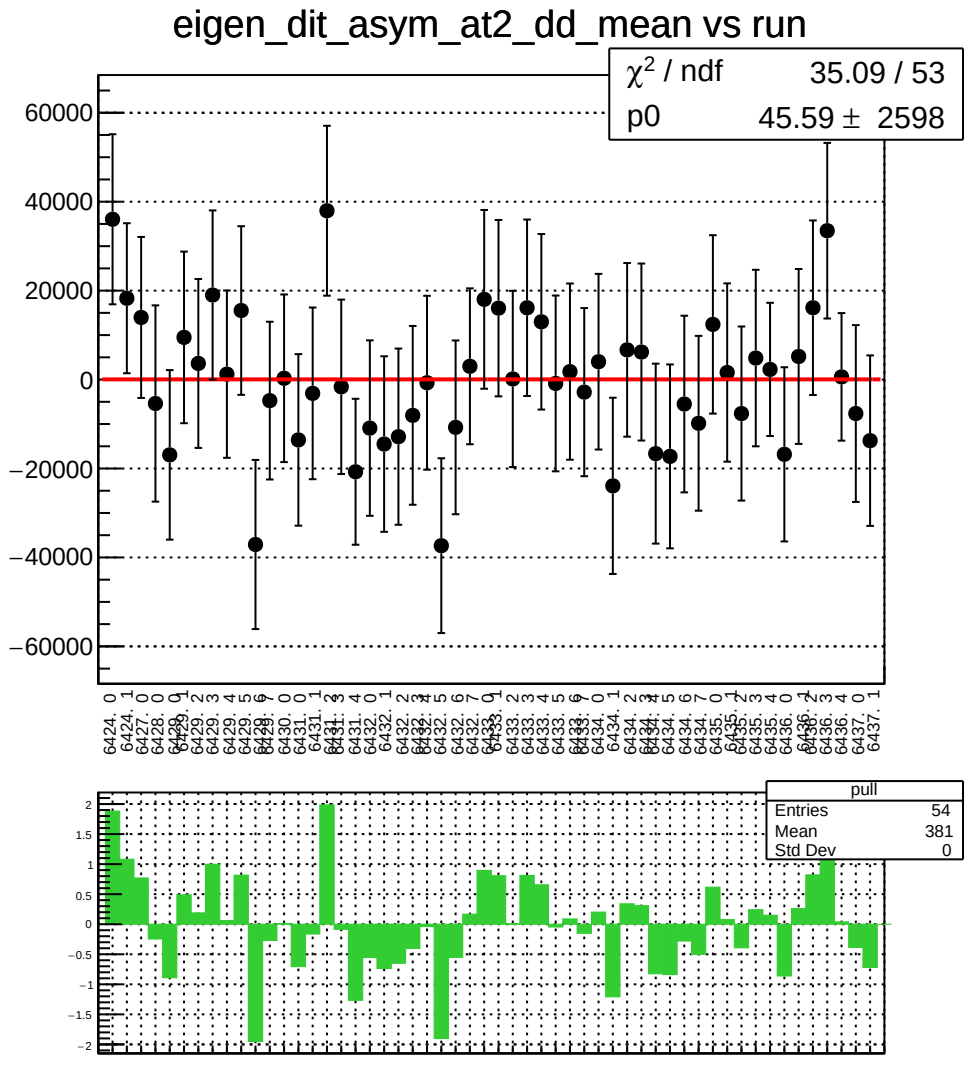
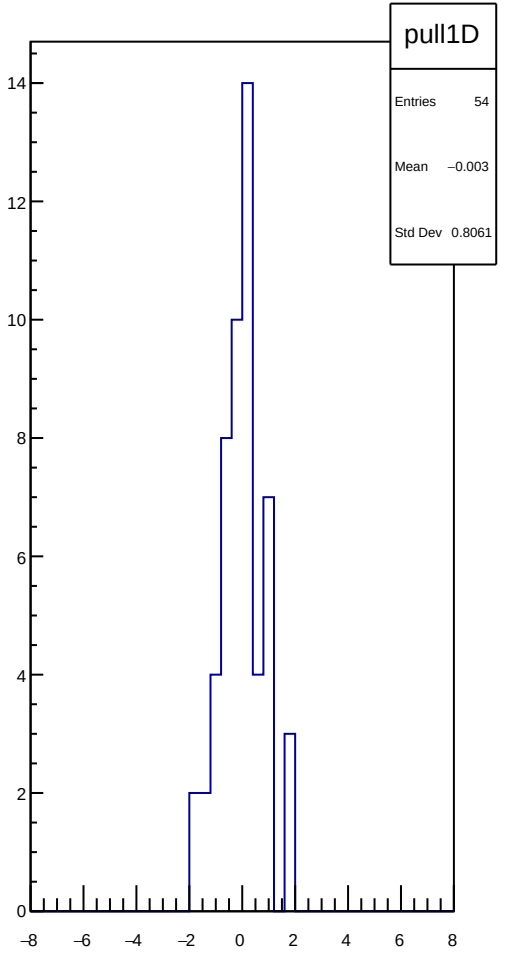
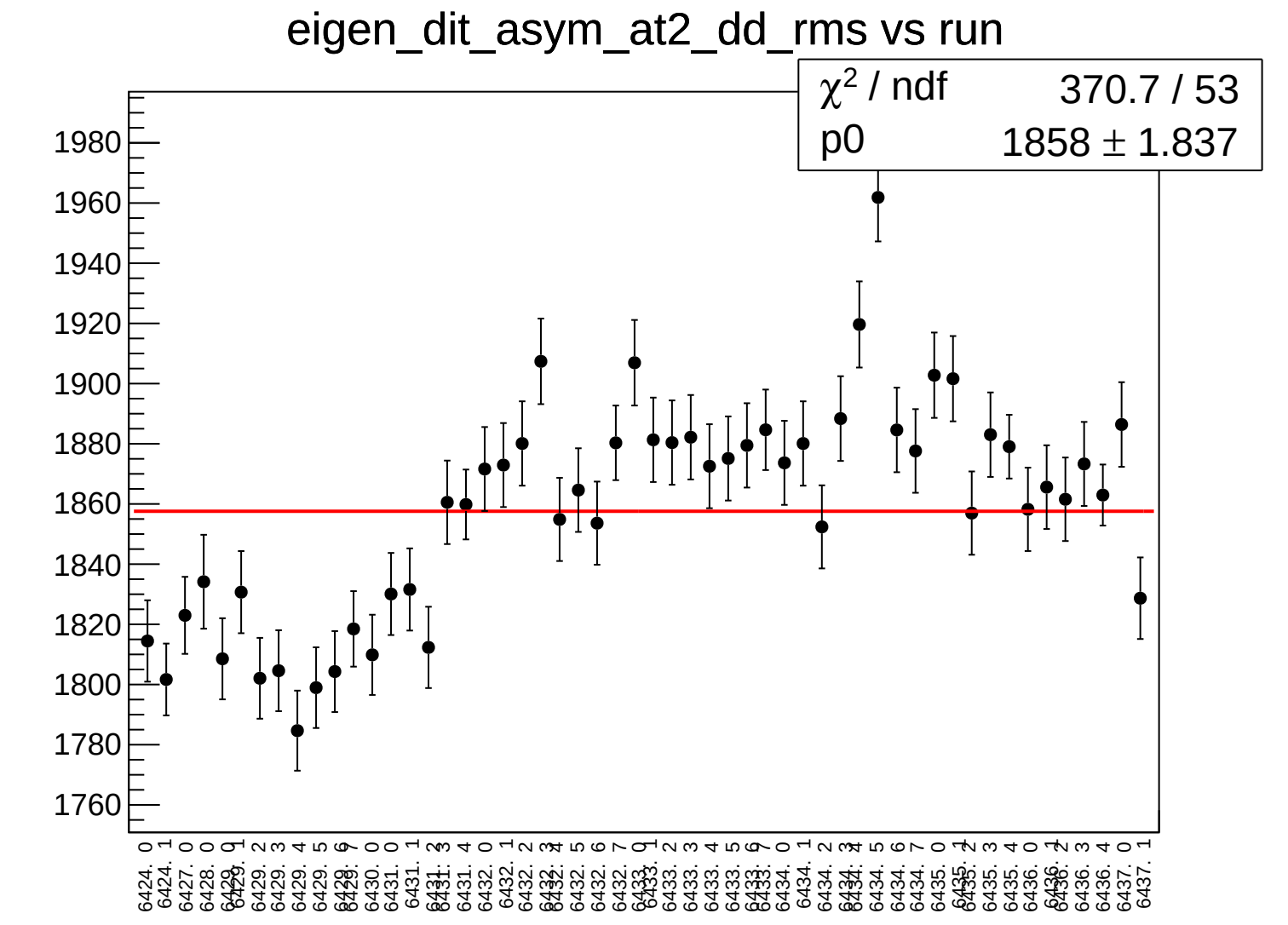
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 35.09 / 53
p0 45.59 ± 2598
pull
Entries 54
Mean 381
Std Dev 0


pull1D
Entries 54
Mean −0.003
Std Dev 0.8061


eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 370.7 / 53
p0 1858 ± 1.837
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
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6431. 4
6432. 0
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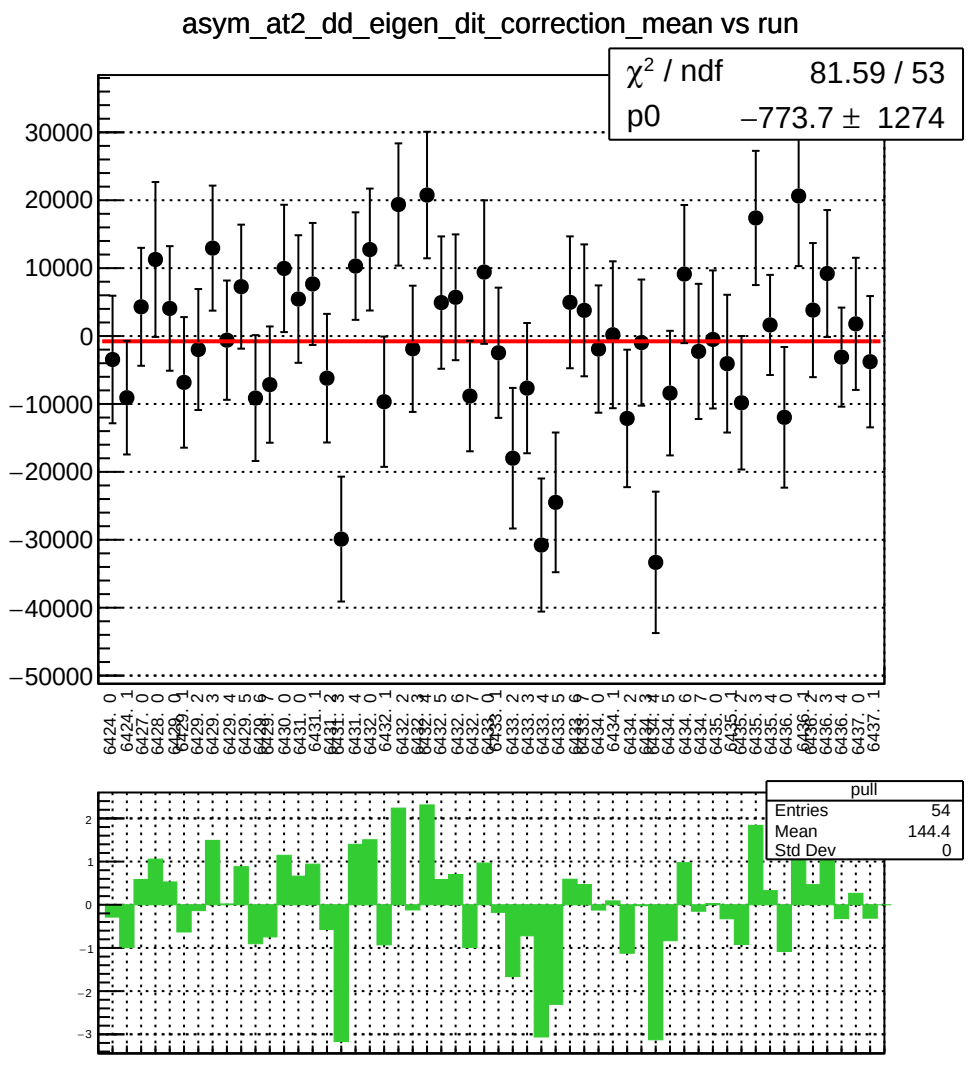
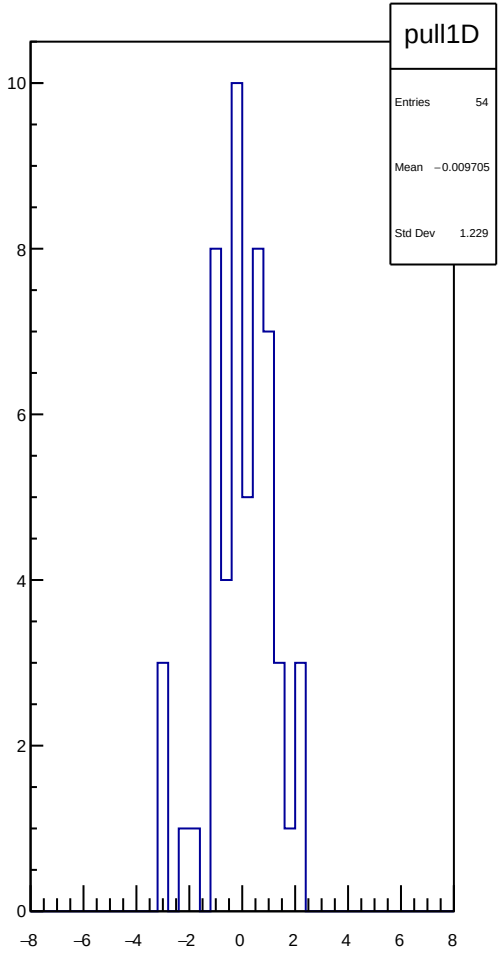
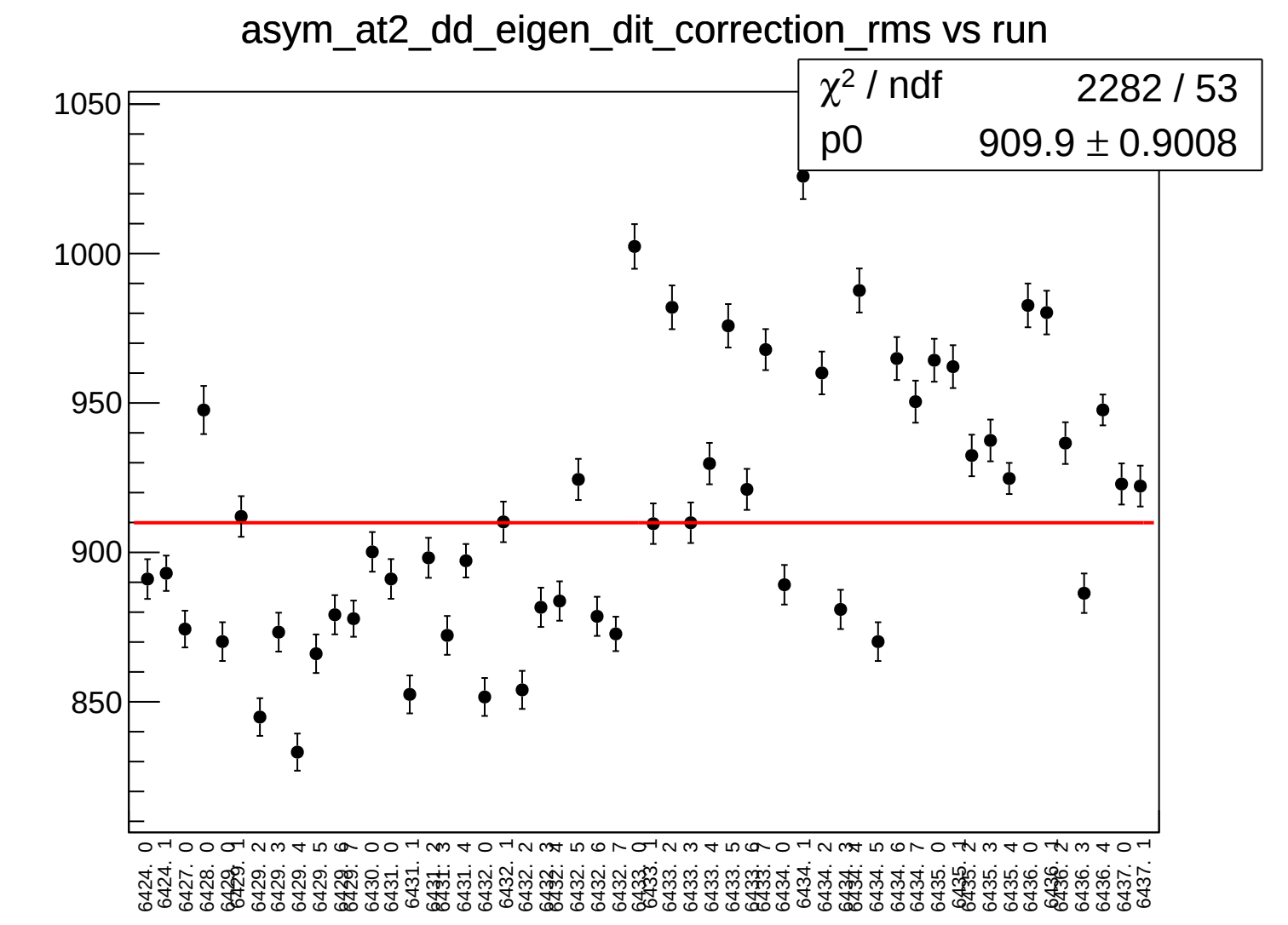
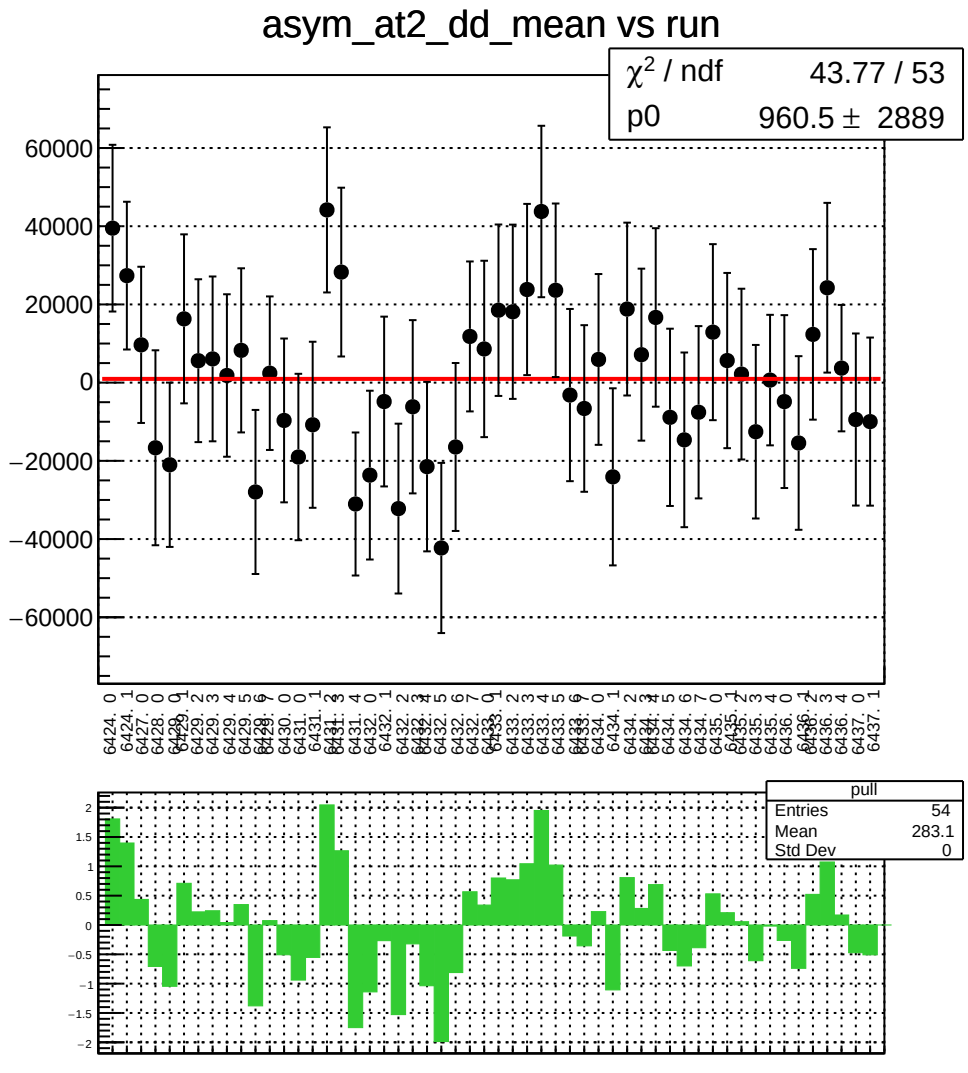
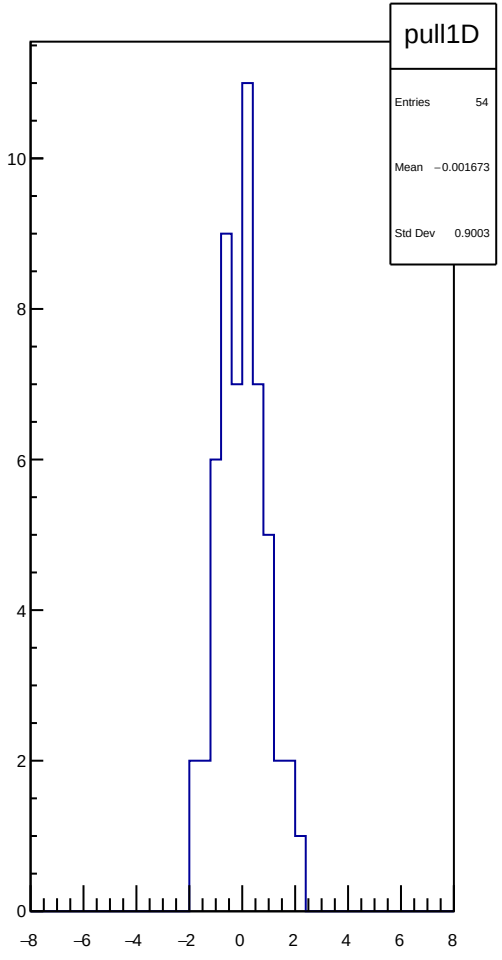
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

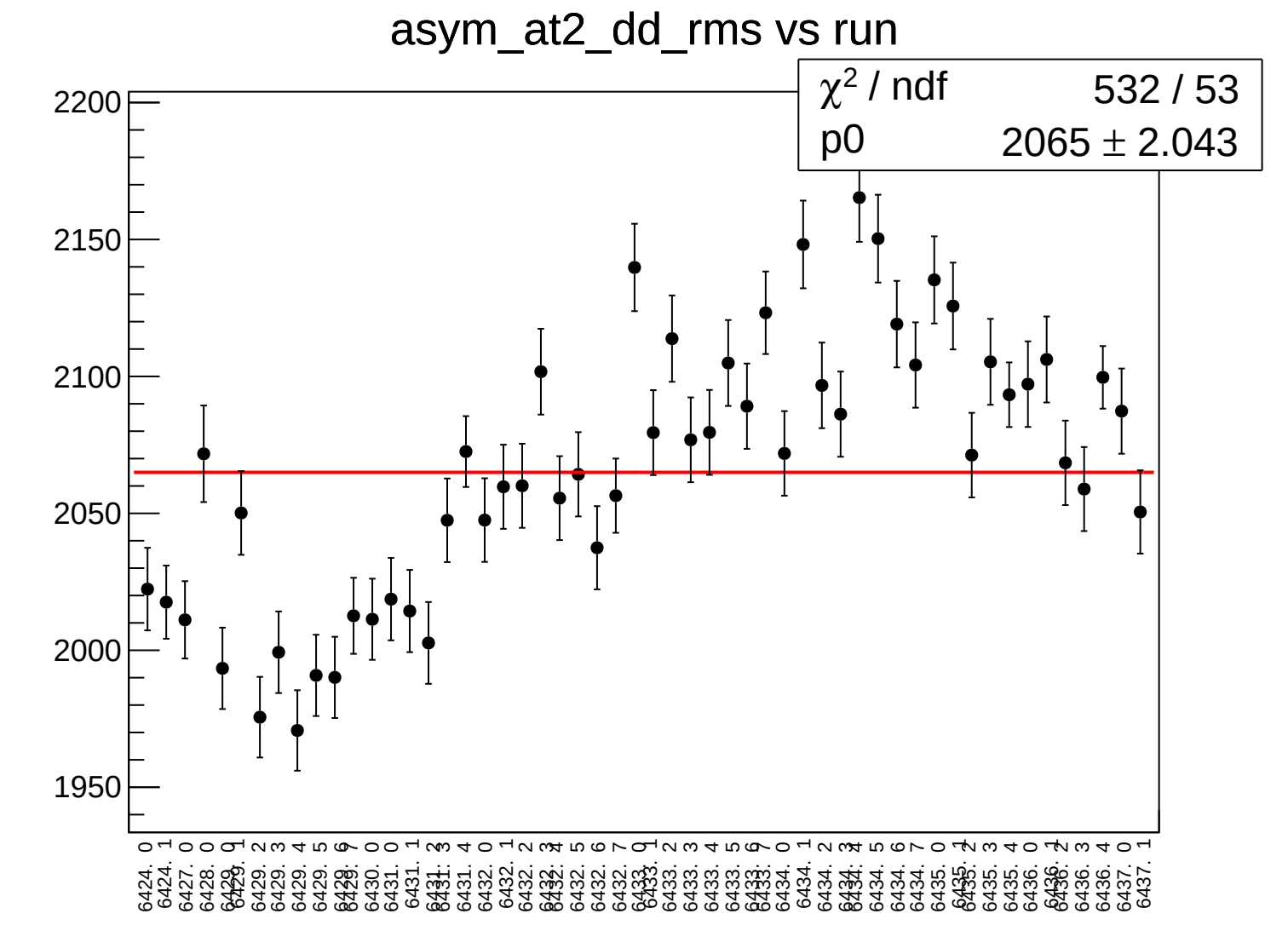

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 81.59 / 53
p0 −773.7 ± 1274
pull
Entries 54
Mean 144.4
Std Dev 0

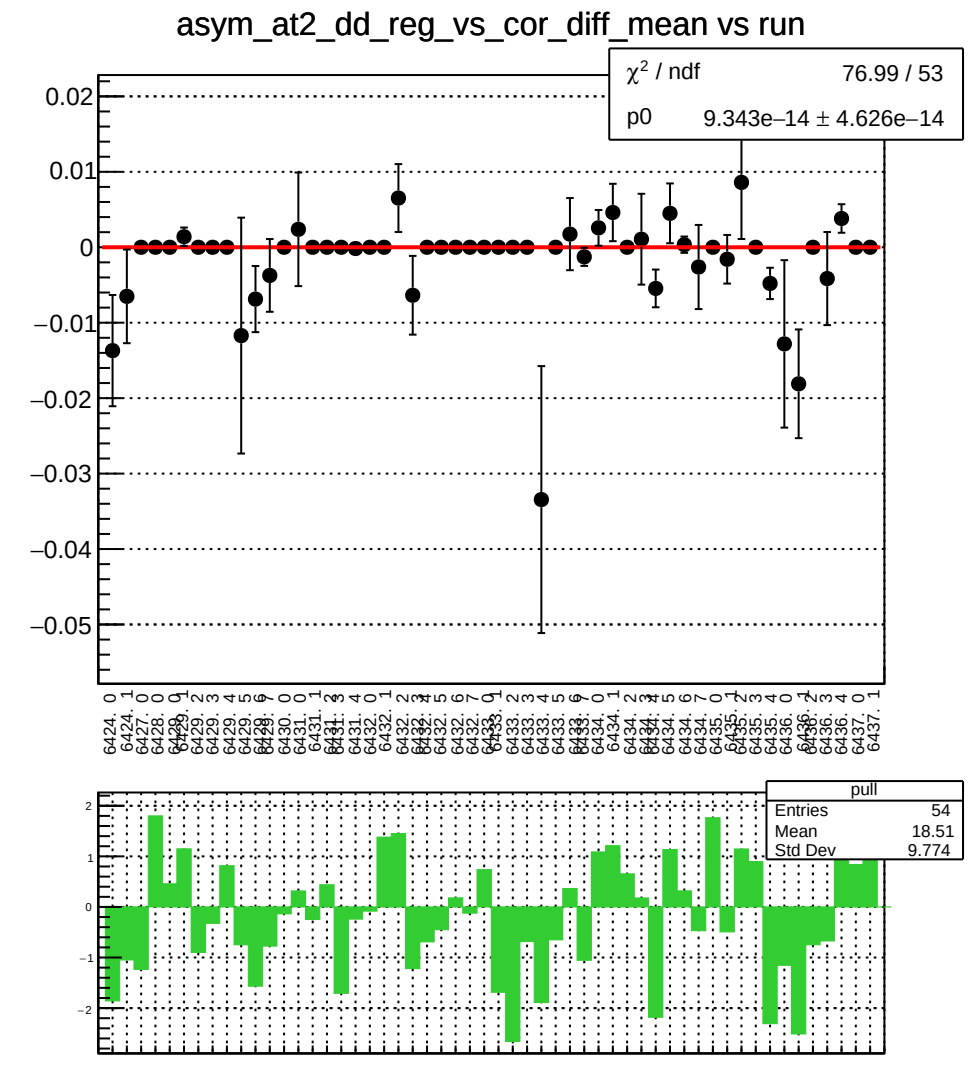

pull1D
Entries 54
Mean −0.009705
Std Dev 1.229

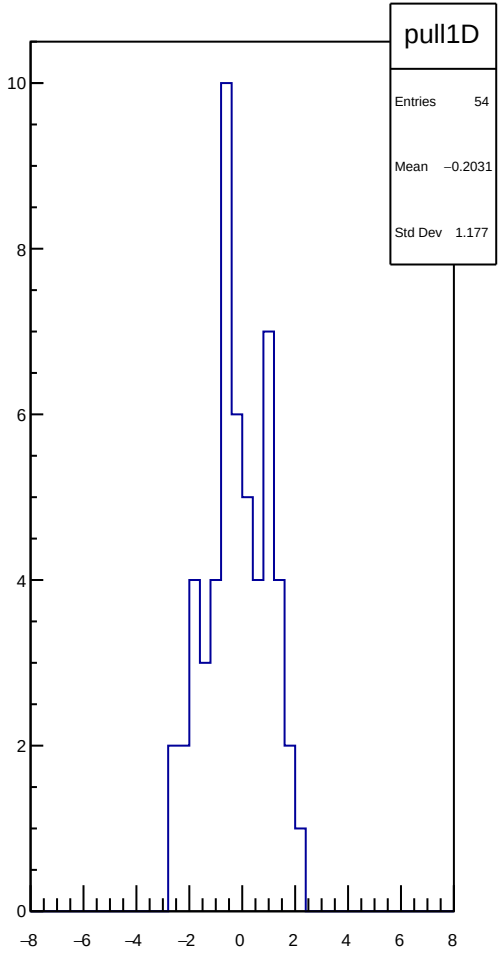

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2282 / 53
p0 909.9 ± 0.9008
1050
1000
950
900
850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

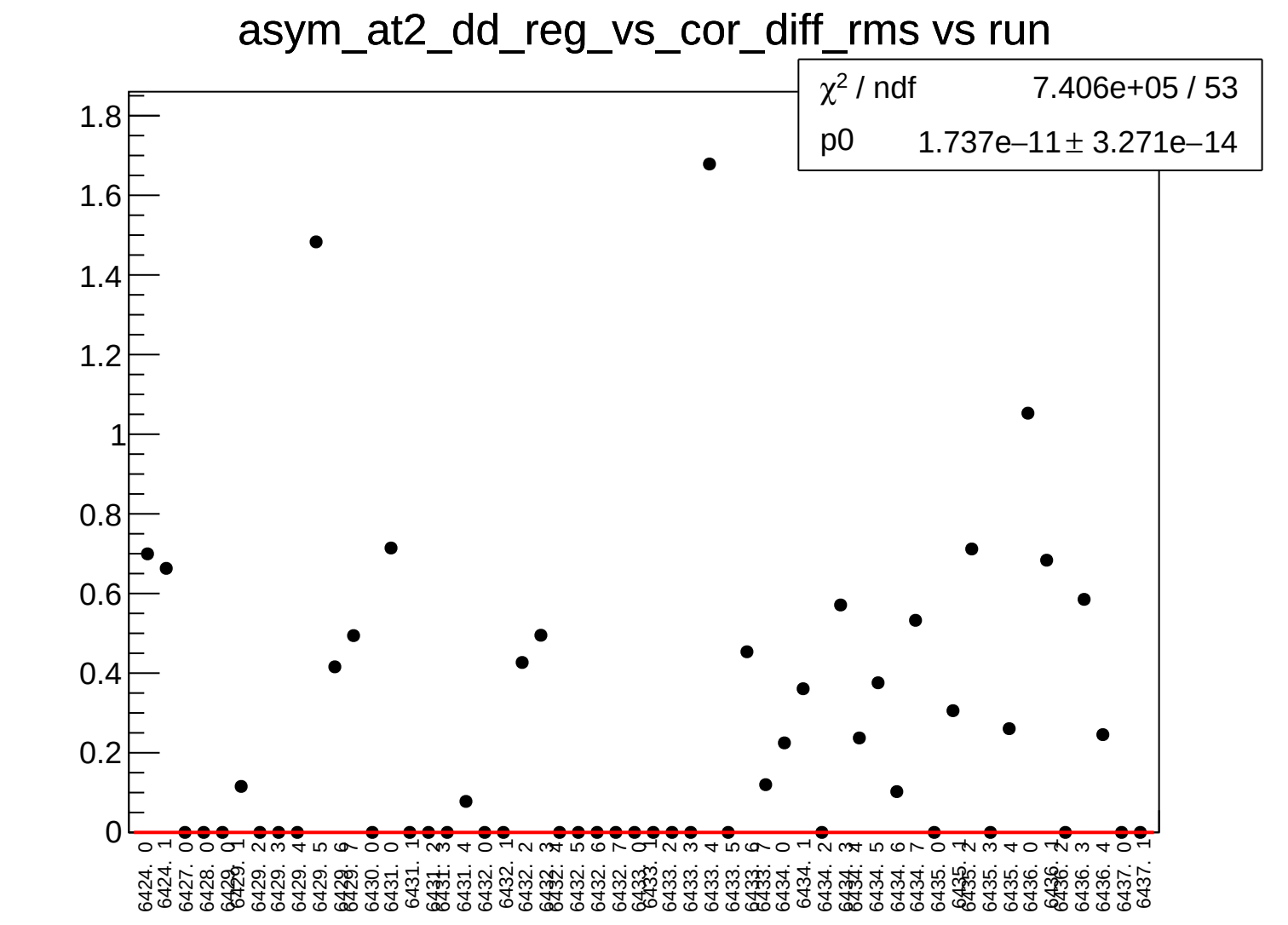

asym_at2_dd_mean vs run
χ² / ndf 43.77 / 53
p0 960.5 ± 2889
pull
Entries 54
Mean 283.1
Std Dev 0

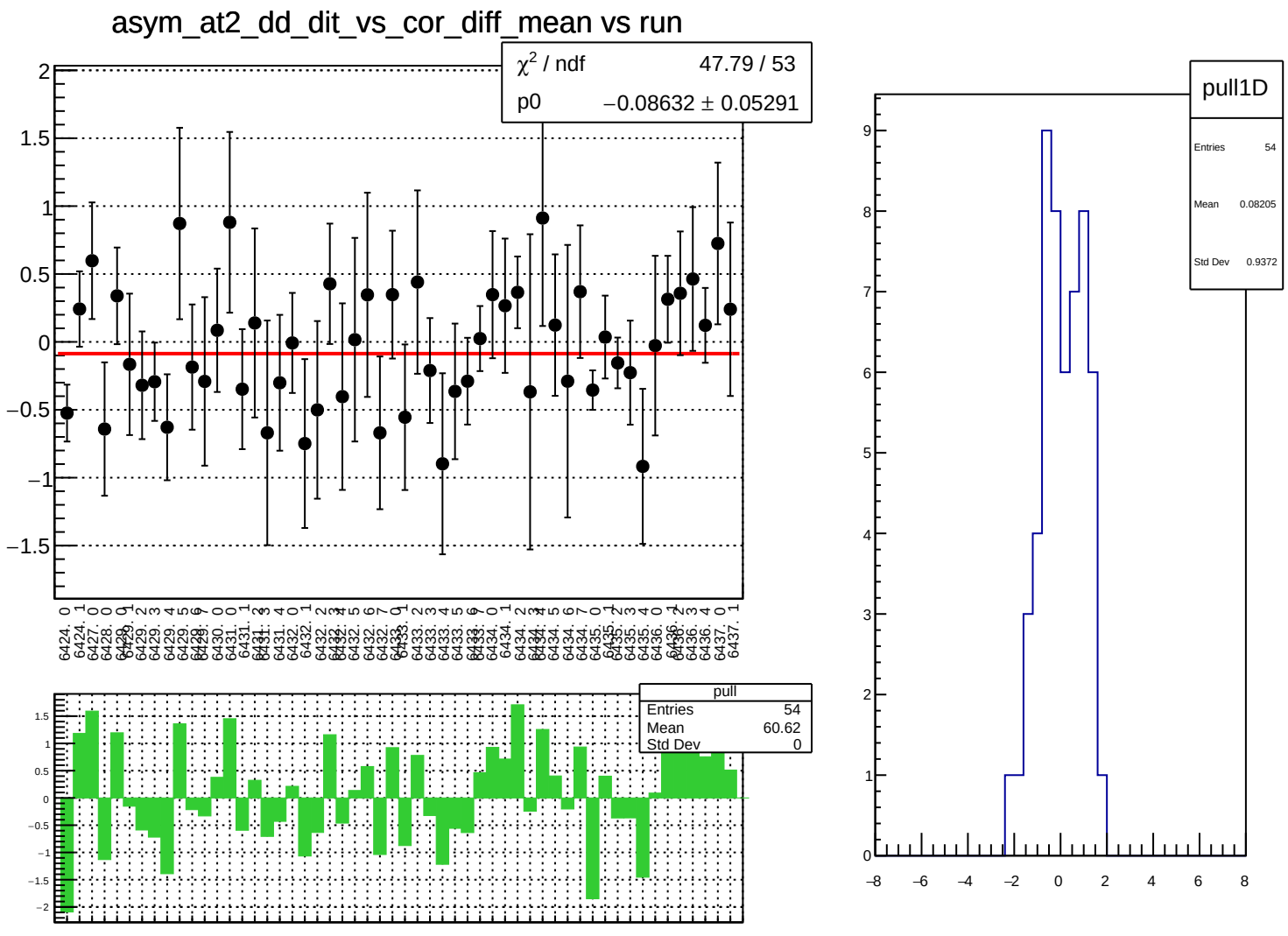

pull1D
Entries 54
Mean −0.001673
Std Dev 0.9003

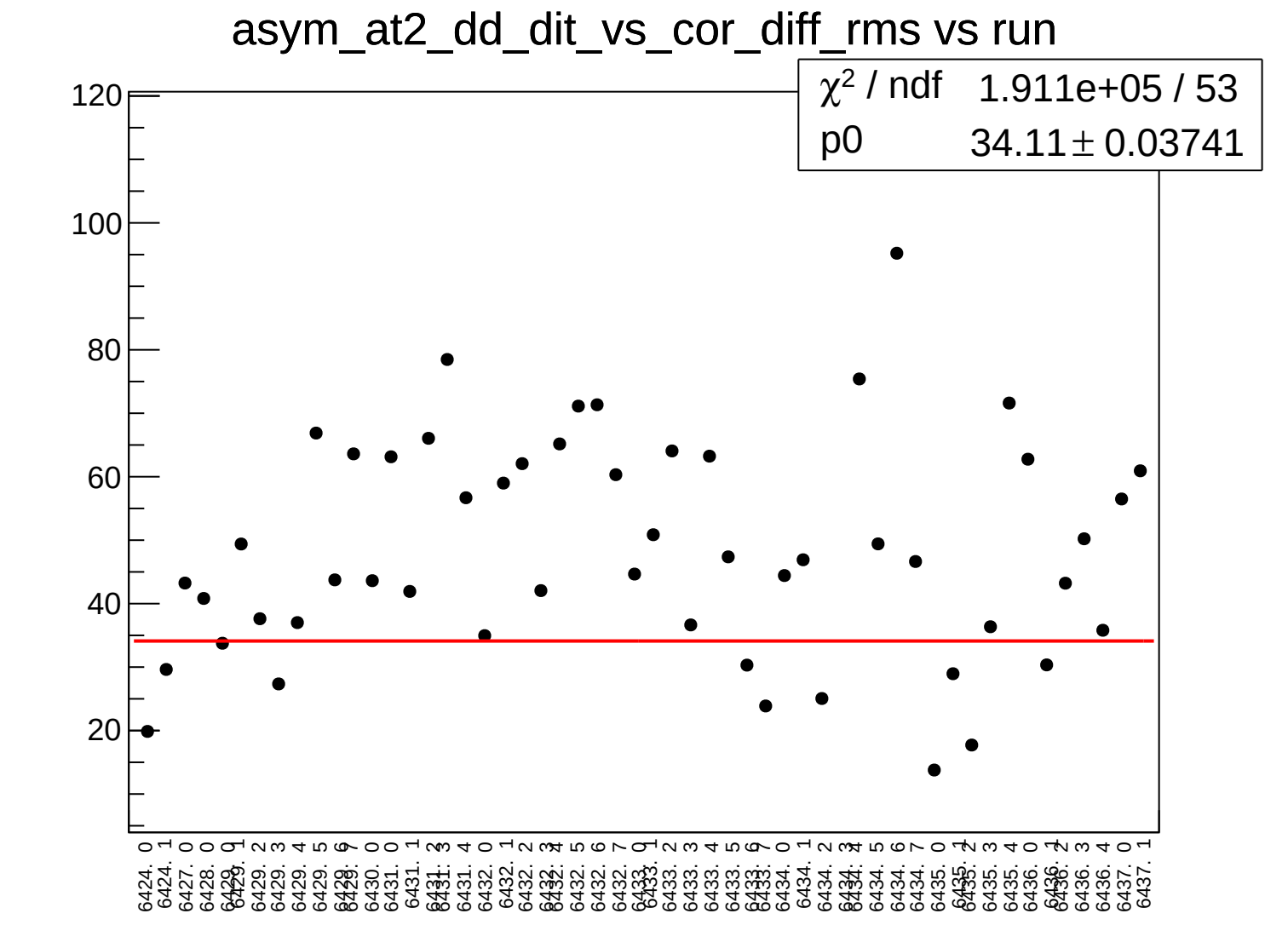

asym_at2_dd_rms vs run
χ² / ndf 532 / 53
p0 2065 ± 2.043
2200
2150
2100
2050
2000
1950
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

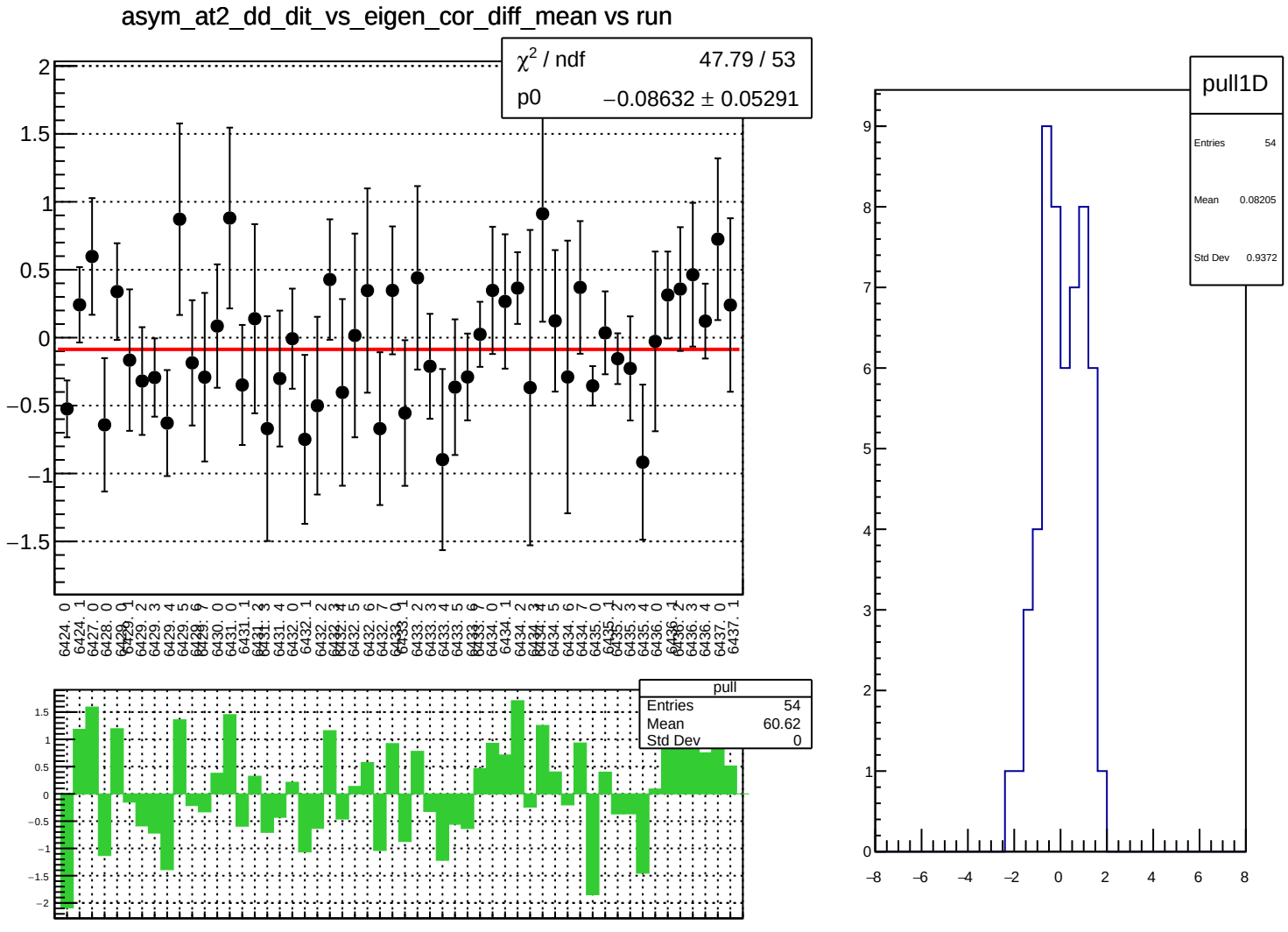

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 76.99 / 53
p0 9.343e−14 ± 4.626e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 54
Mean 18.51
Std Dev 9.774
2
1
0
−1
−2

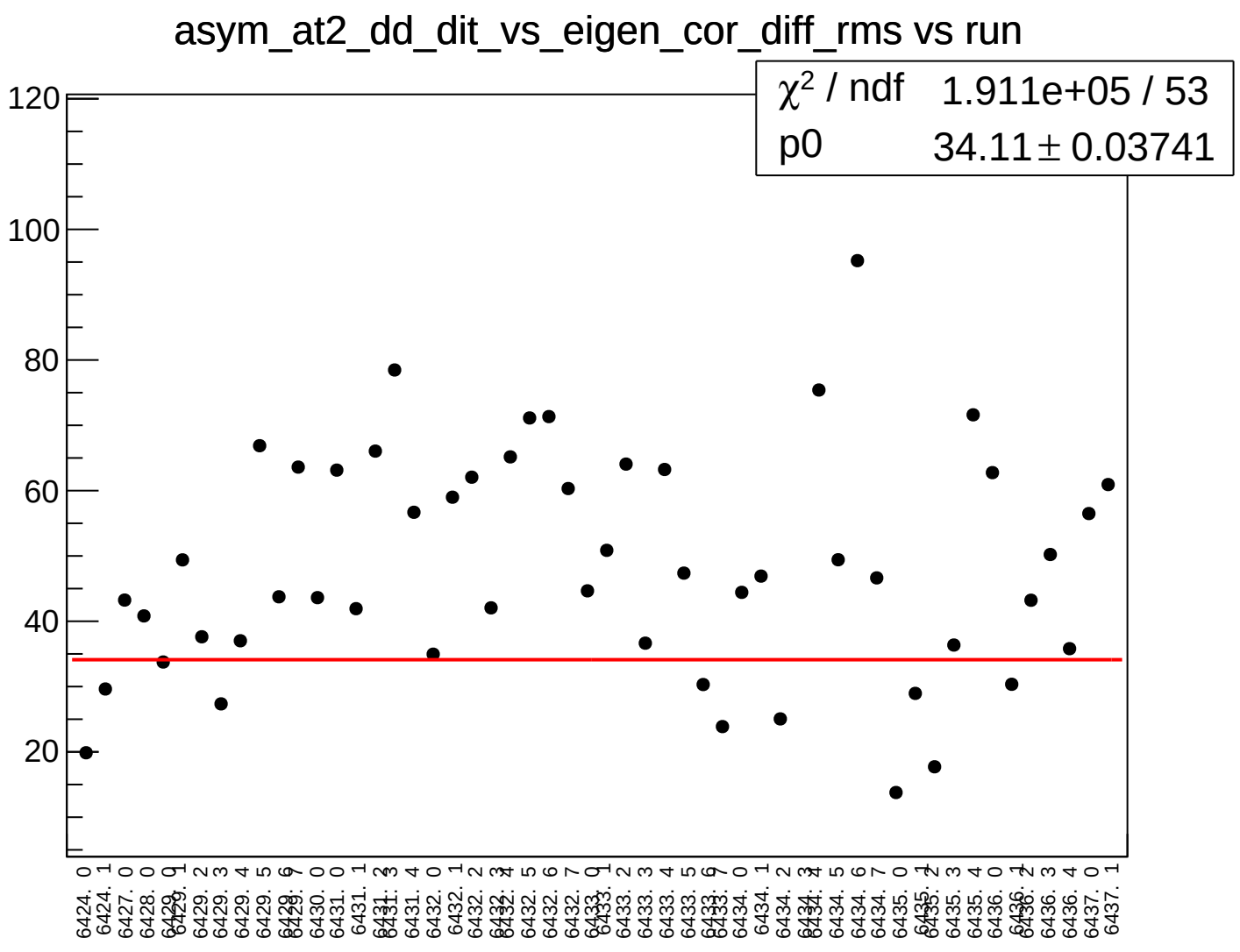

pull1D
Entries 54
Mean −0.2031
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

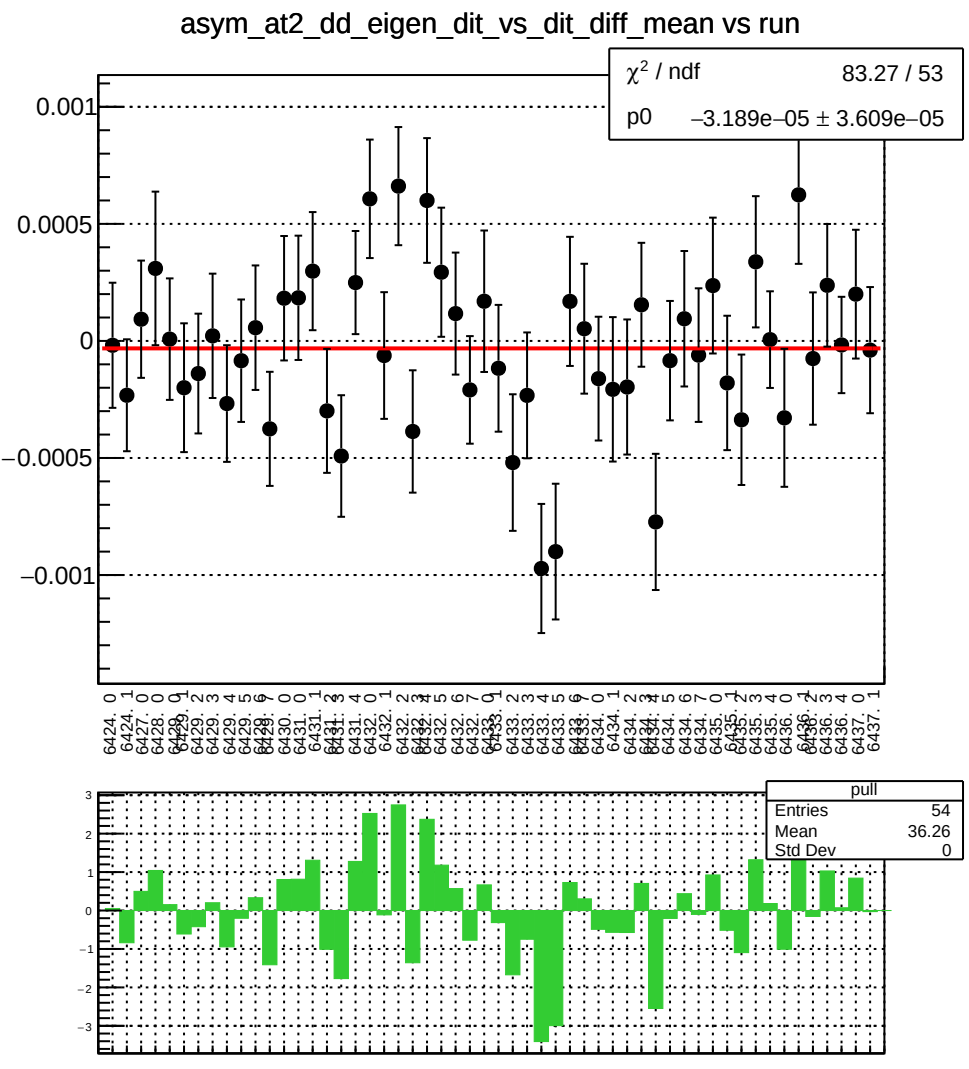

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.406e+05 / 53
p0 1.737e−11 ± 3.271e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

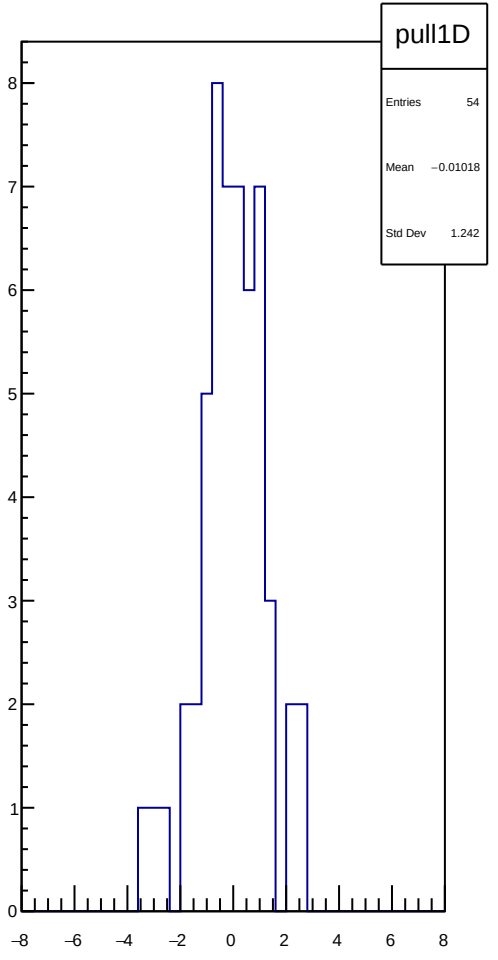

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.79 / 53
p0 −0.08632 ± 0.05291
pull
Entries 54
Mean 60.62
Std Dev 0
pull1D
Entries 54
Mean 0.08205
Std Dev 0.9372

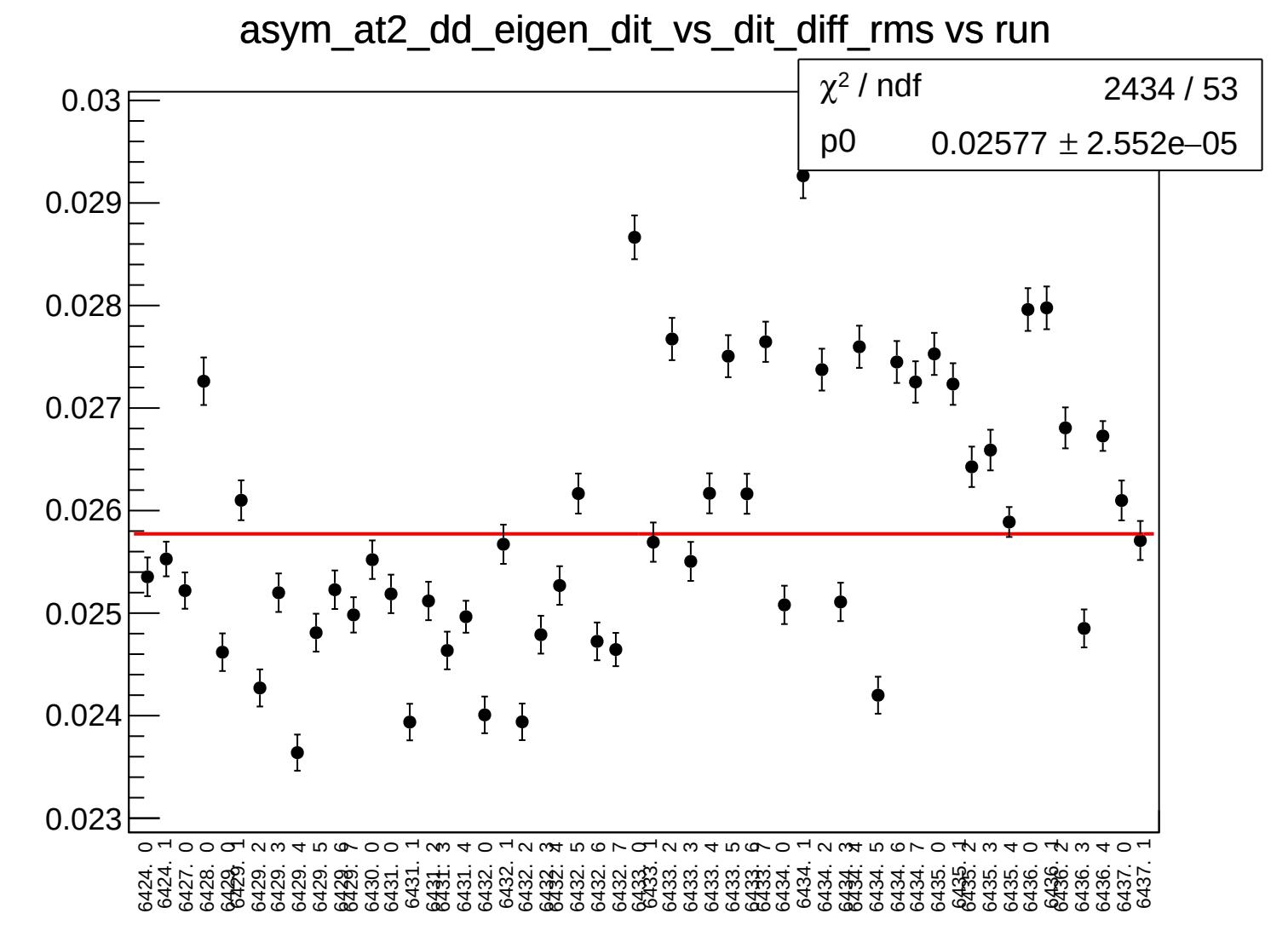

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.911e+05 / 53
p0 34.11 ± 0.03741
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

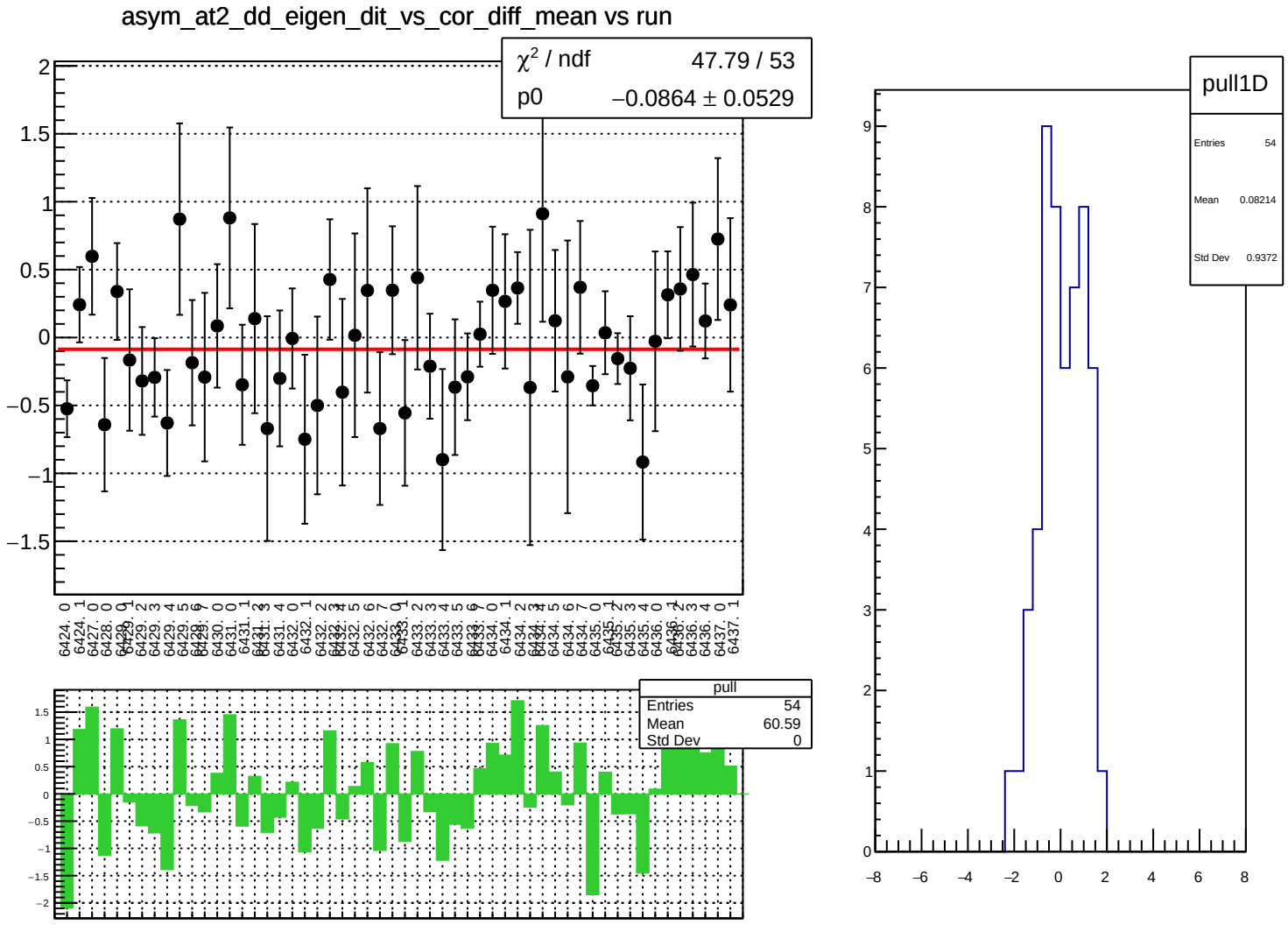

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.79 / 53
p0 −0.08632 ± 0.05291
pull
Entries 54
Mean 60.62
Std Dev 0
pull1D
Entries 54
Mean 0.08205
Std Dev 0.9372

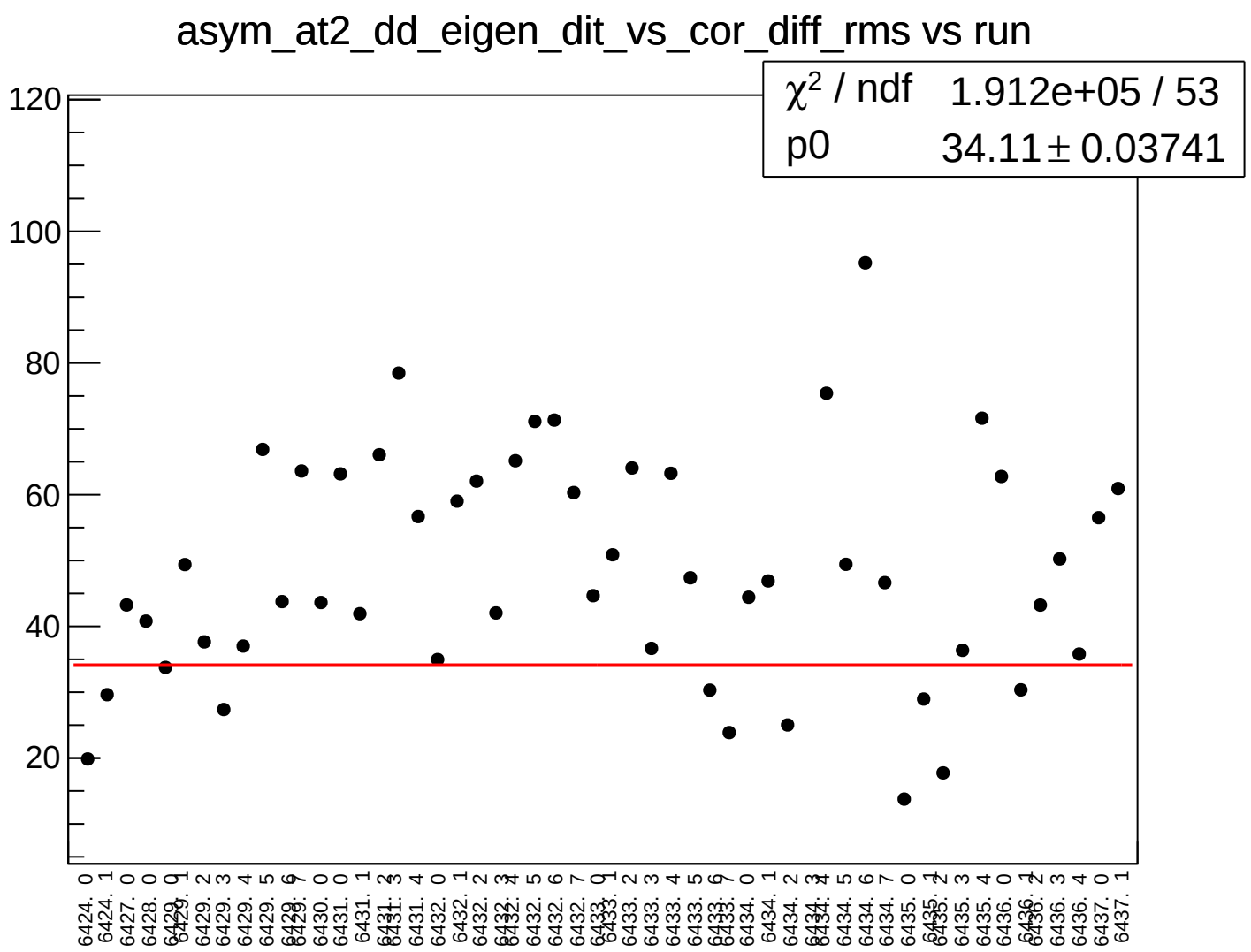

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.911e+05 / 53
p0 34.11 ± 0.03741
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

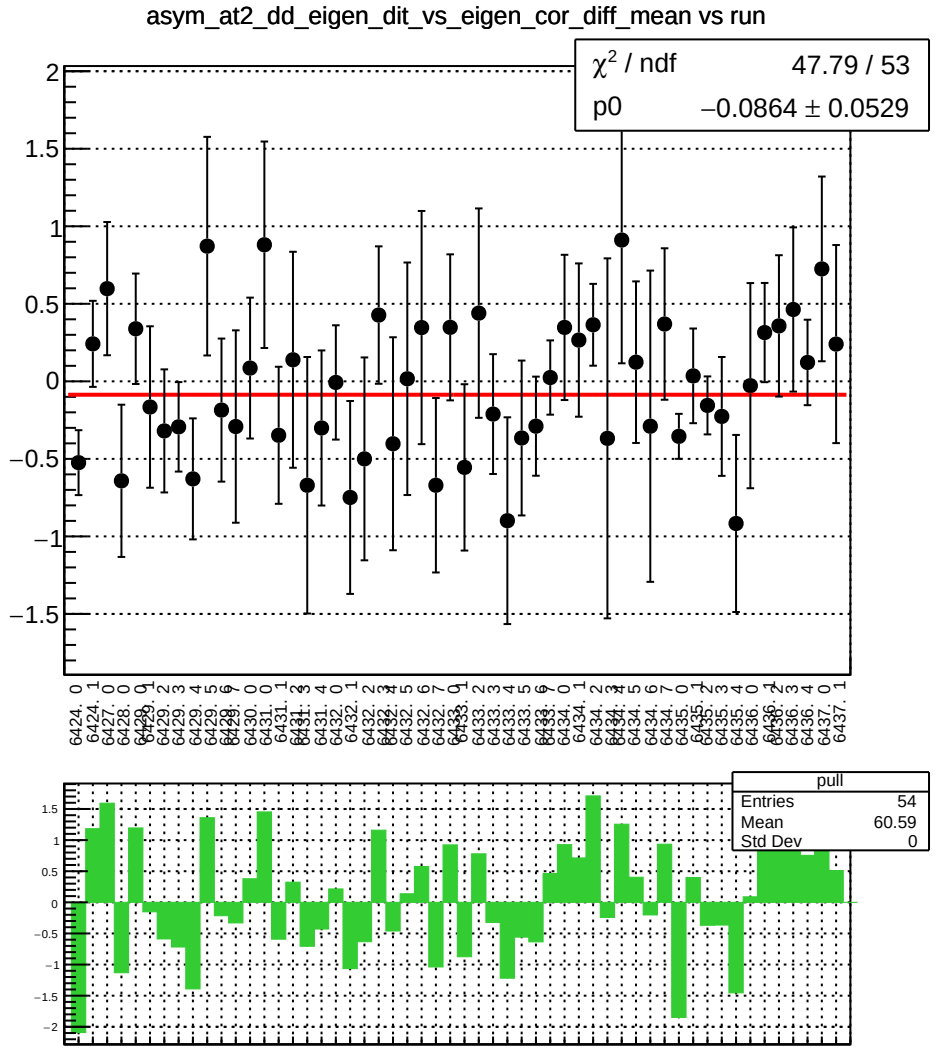

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 83.27 / 53
p0 −3.189e−05 ± 3.609e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 36.26
Std Dev 0

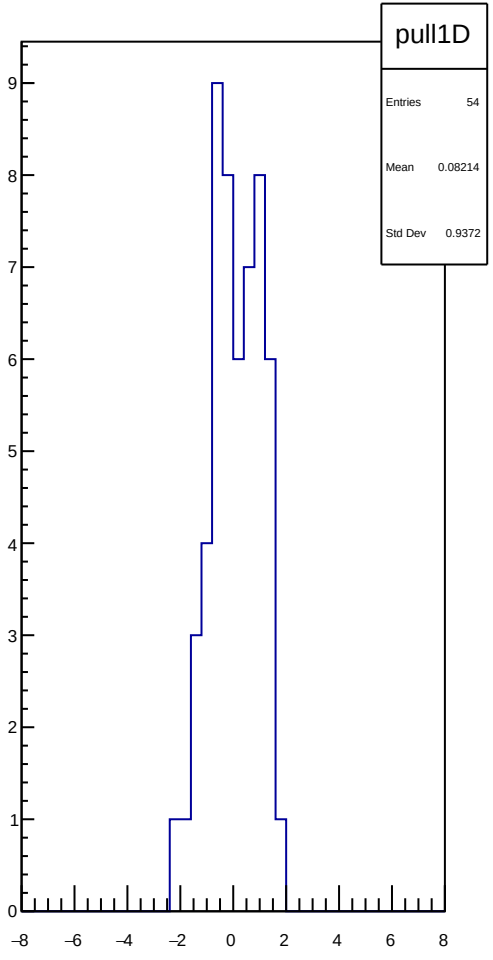

pull1D
Entries 54
Mean −0.01018
Std Dev 1.242

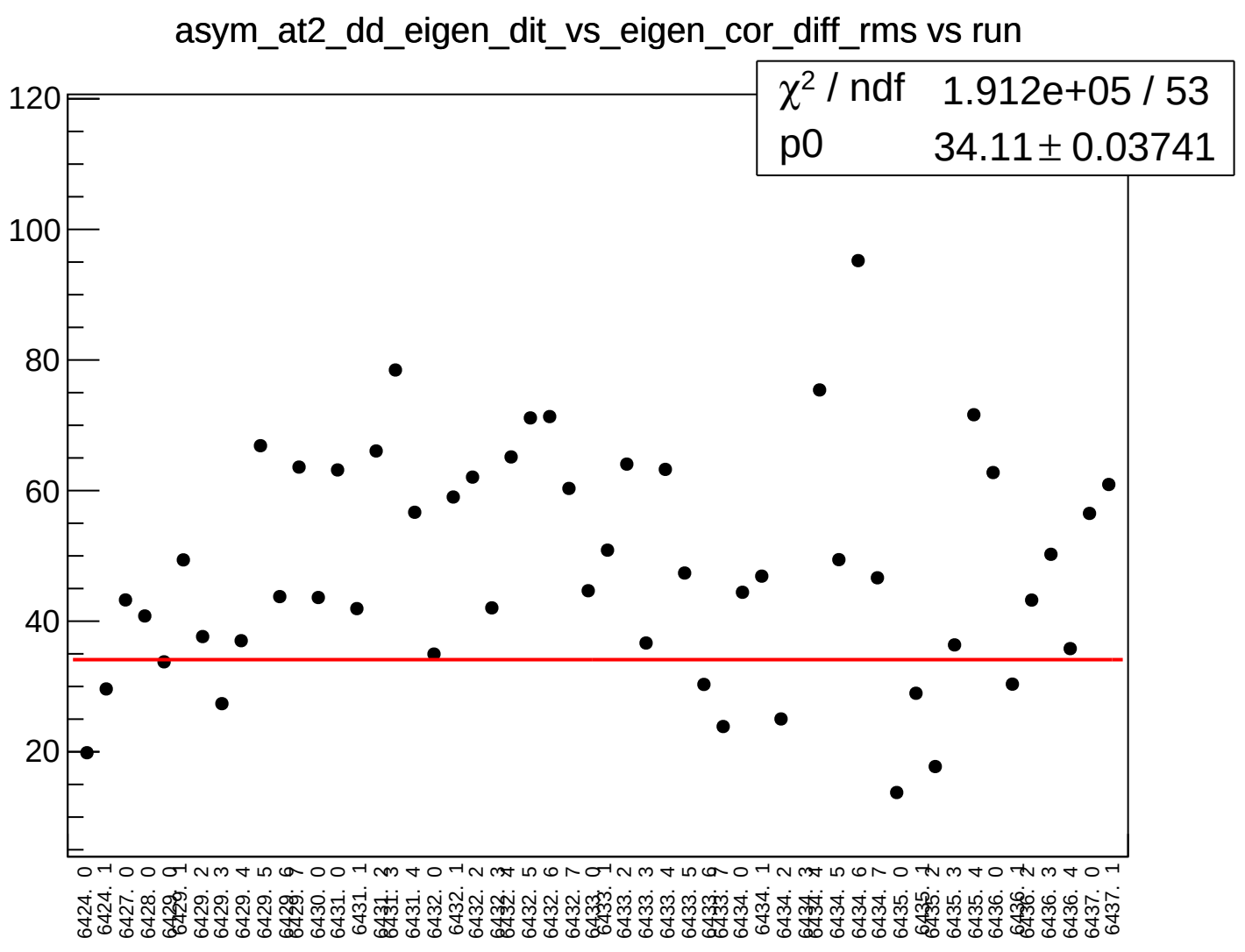

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2434 / 53
p0 0.02577 ± 2.552e–05
0.03
0.029
0.028
0.027
0.026
0.025
0.024
0.023
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

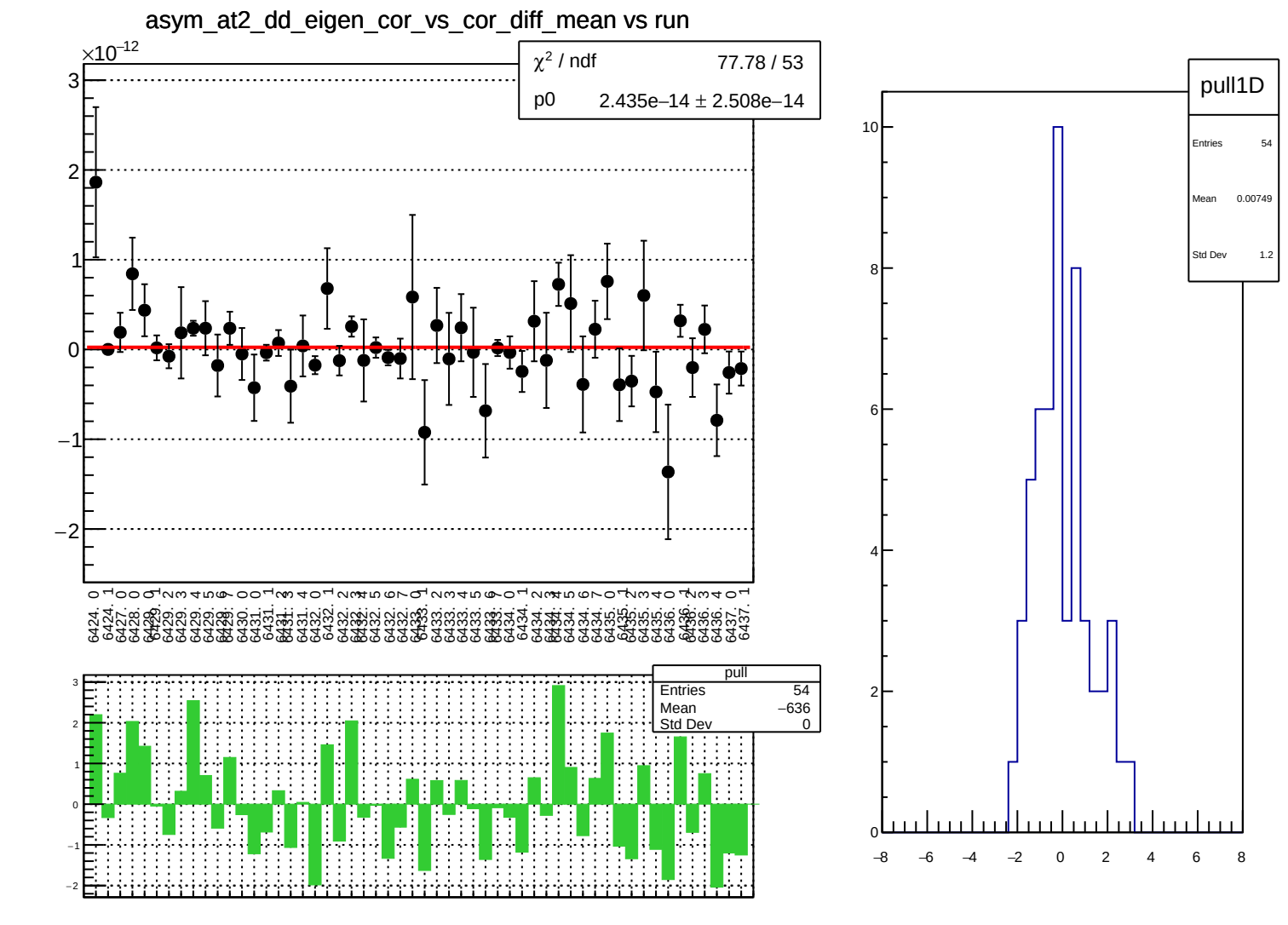

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.79 / 53
p0 −0.0864 ± 0.0529
pull
Entries 54
Mean 60.59
Std Dev 0
pull1D
Entries 54
Mean 0.08214
Std Dev 0.9372

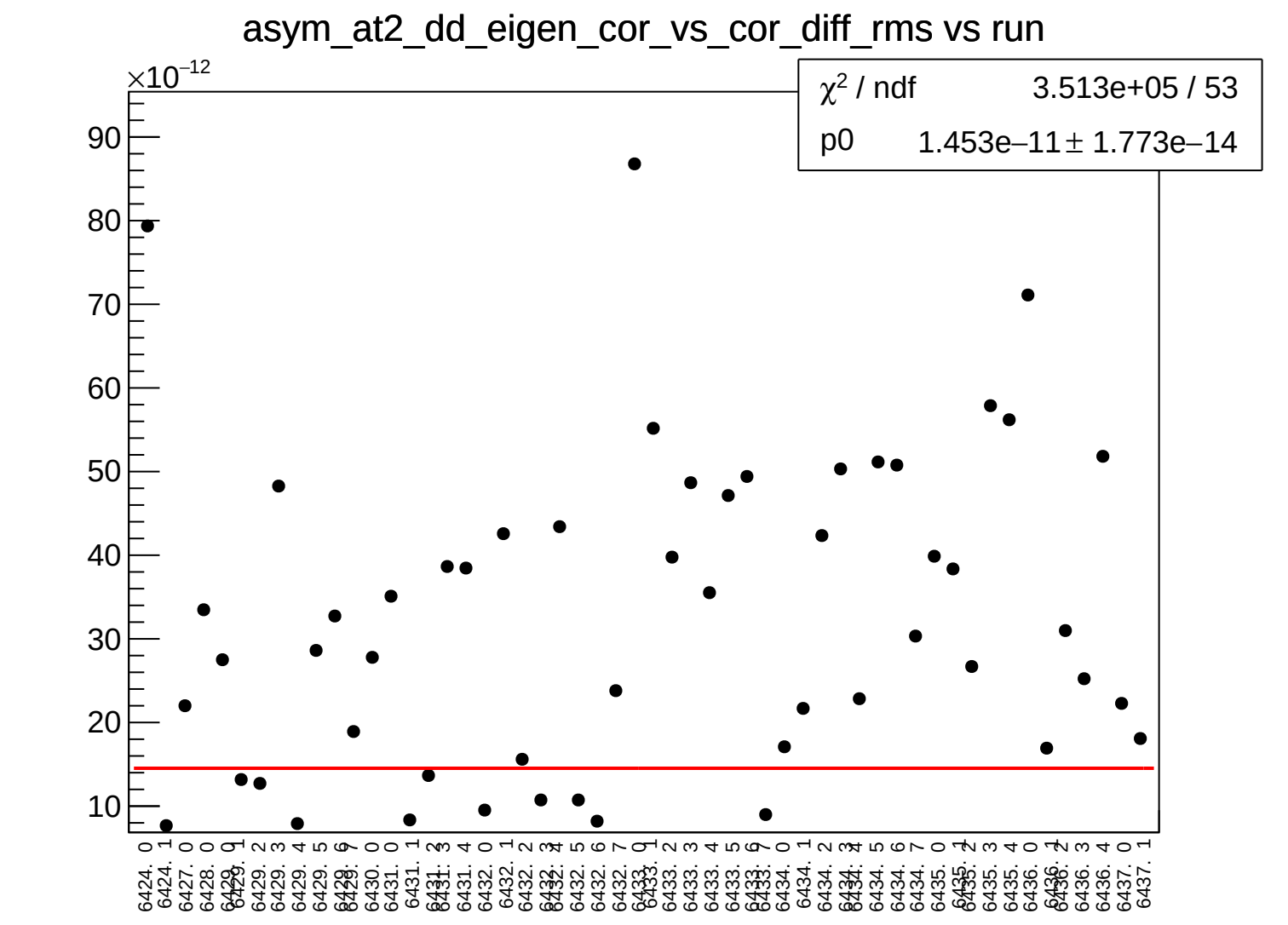

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.912e+05 / 53
p0 34.11 ± 0.03741
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

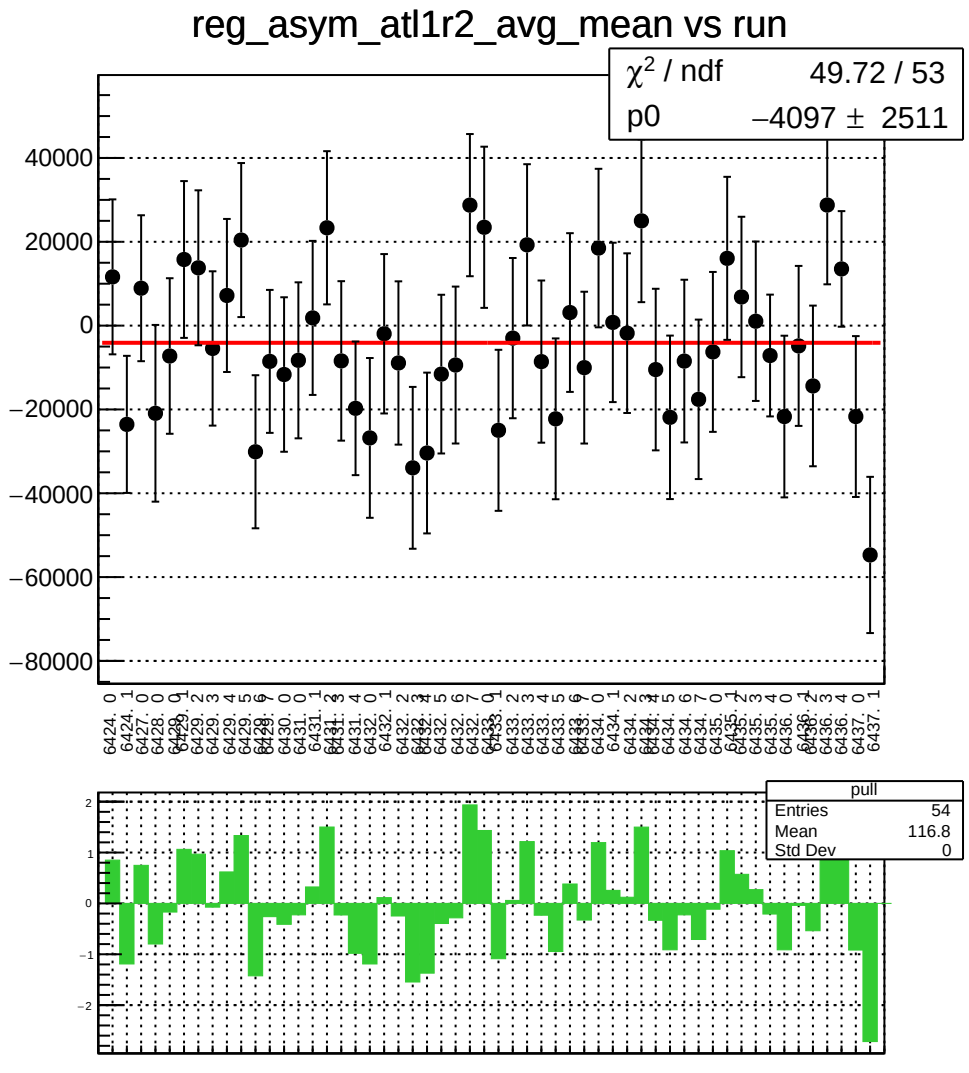

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.79 / 53
p0 −0.0864 ± 0.0529
pull
Entries 54
Mean 60.59
Std Dev 0

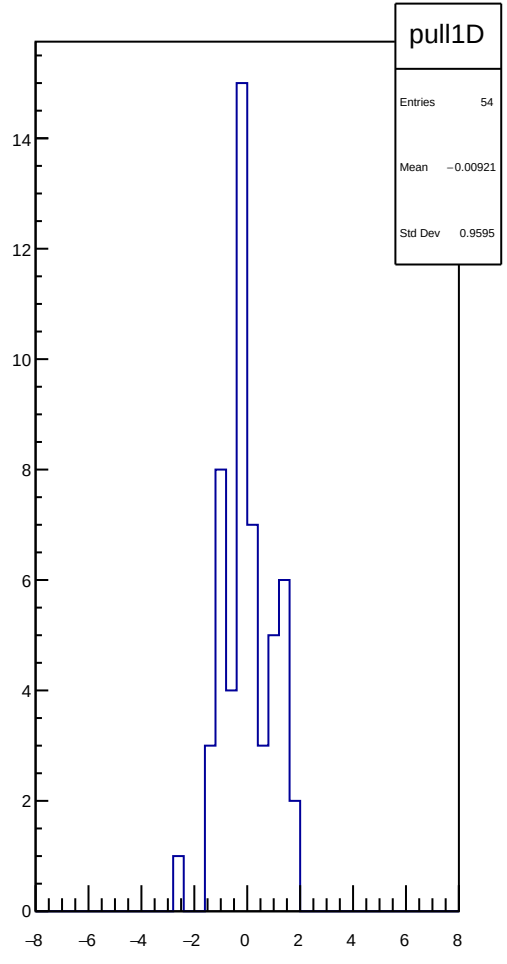

pull1D
Entries 54
Mean 0.08214
Std Dev 0.9372

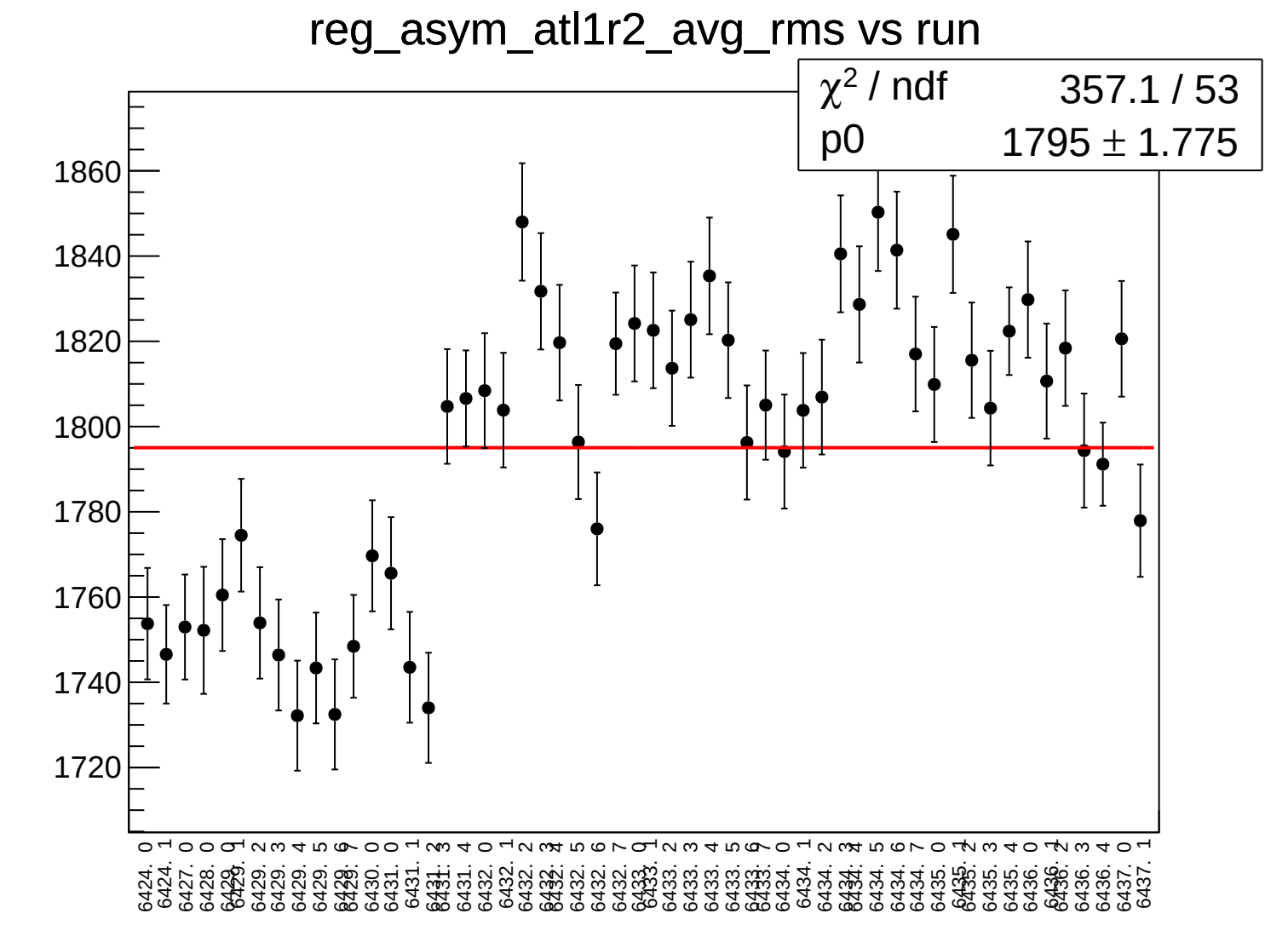

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.912e+05 / 53
p0 34.11 ± 0.03741
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

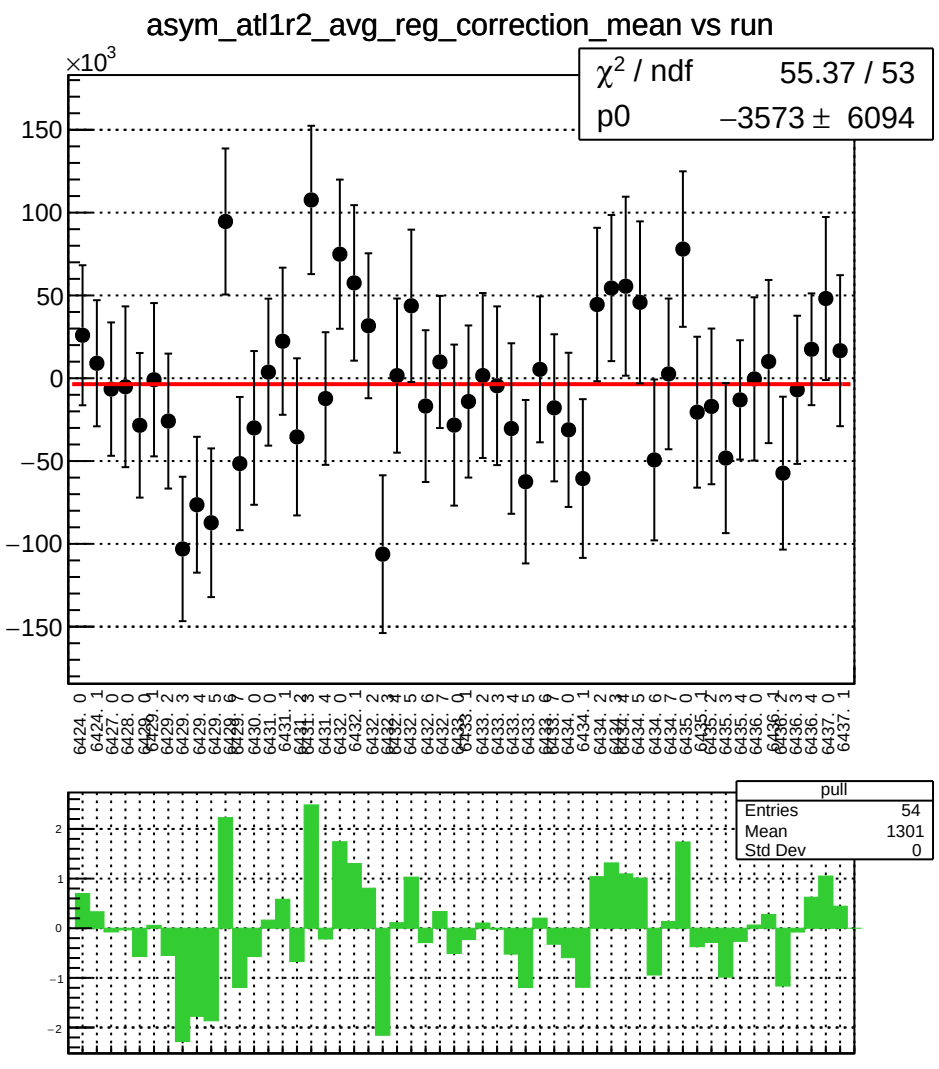

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.78 / 53
p0 2.435e−14 ± 2.508e−14
pull
Entries 54
Mean −636
Std Dev 0
pull1D
Entries 54
Mean 0.00749
Std Dev 1.2

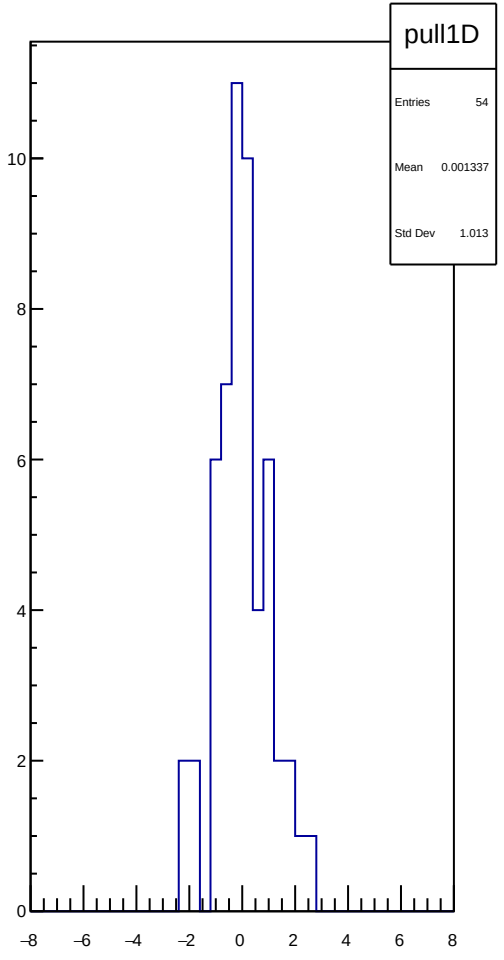

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.513e+05 / 53
p0 1.453e−11 ± 1.773e−14
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

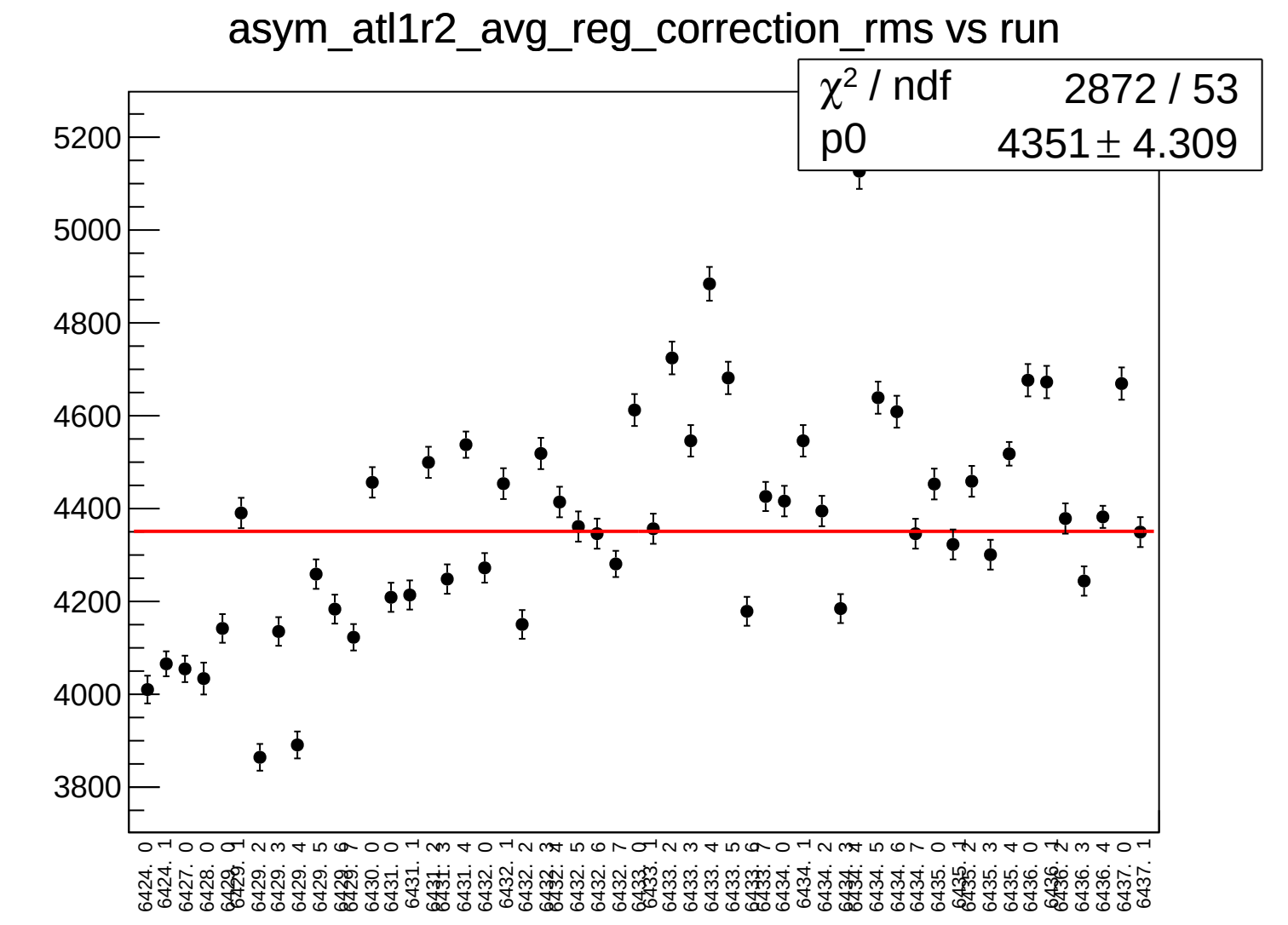

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 49.72 / 53
p0 −4097 ± 2511
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 116.8
Std Dev 0
2
1
0
−1
−2

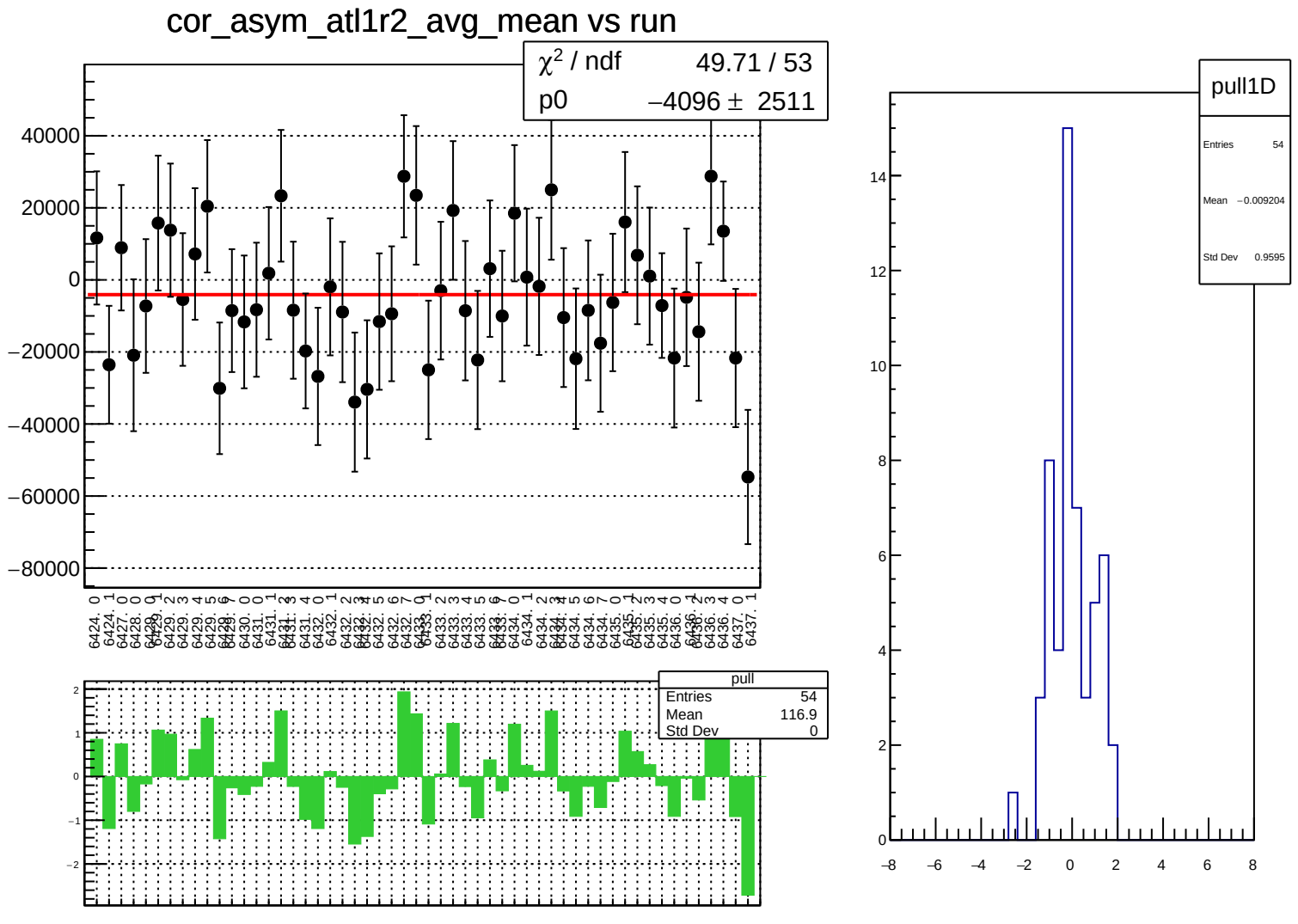

pull1D
Entries 54
Mean −0.00921
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

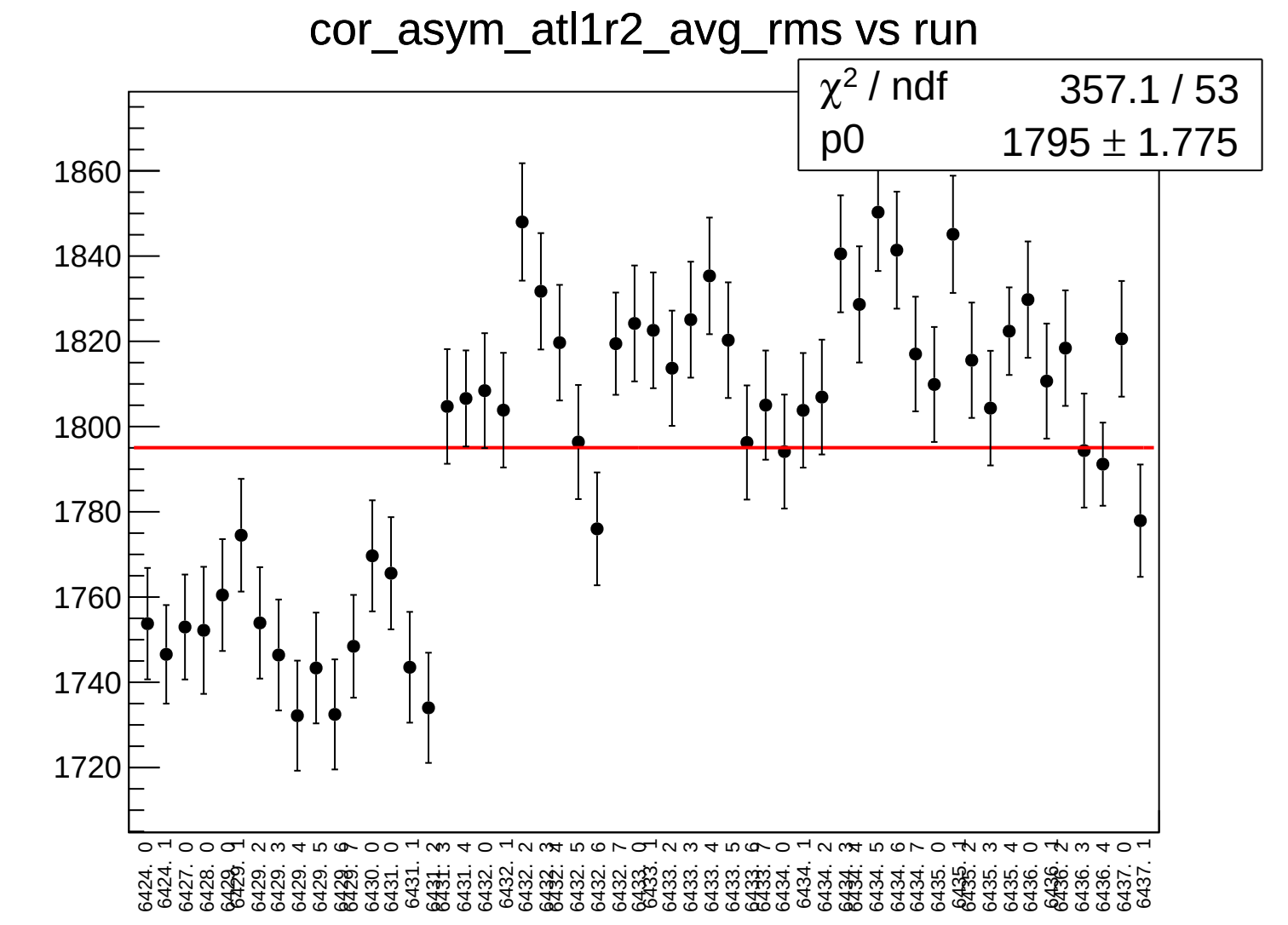

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 357.1 / 53
p0 1795 ± 1.775
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

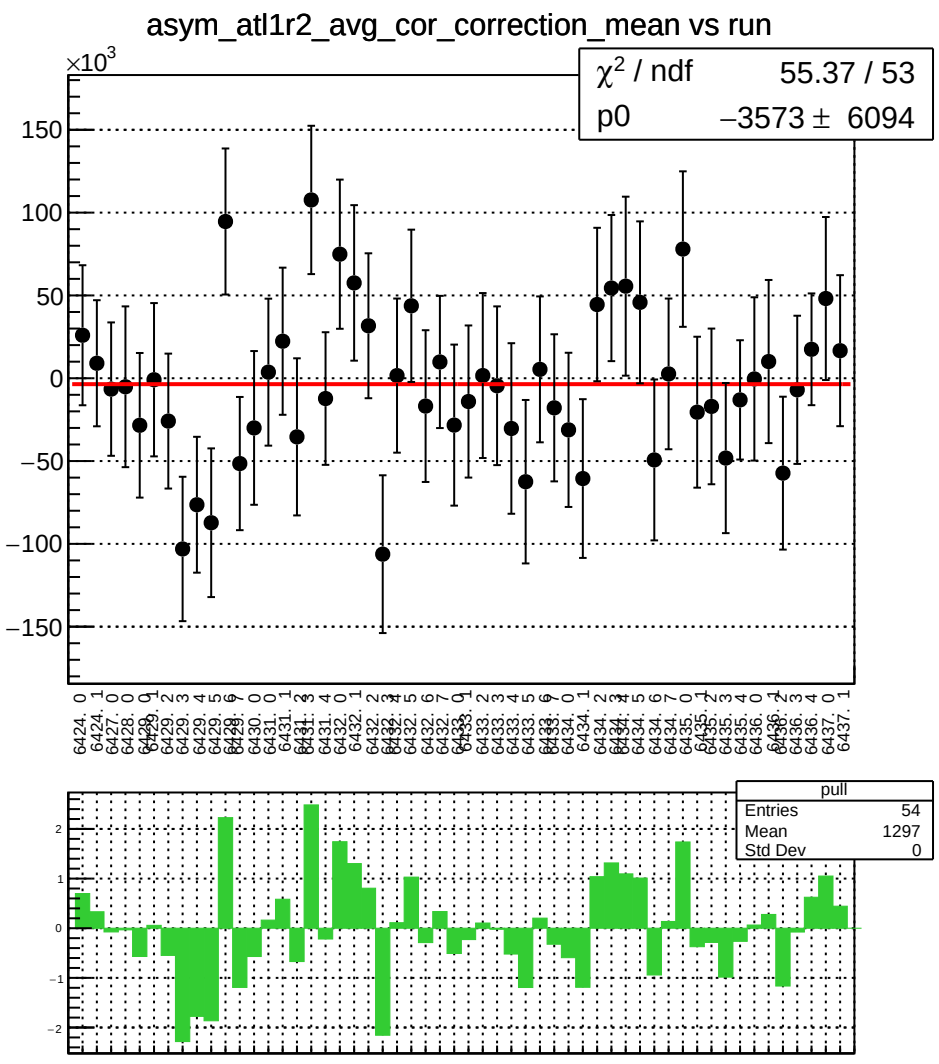

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −3573 ± 6094
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1301
Std Dev 0
2
1
0
−1
−2

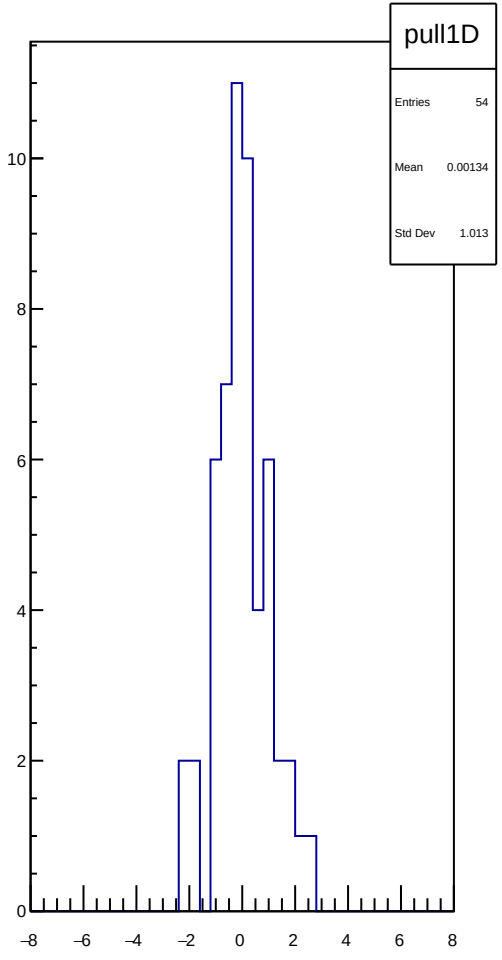

pull1D
Entries 54
Mean 0.001337
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

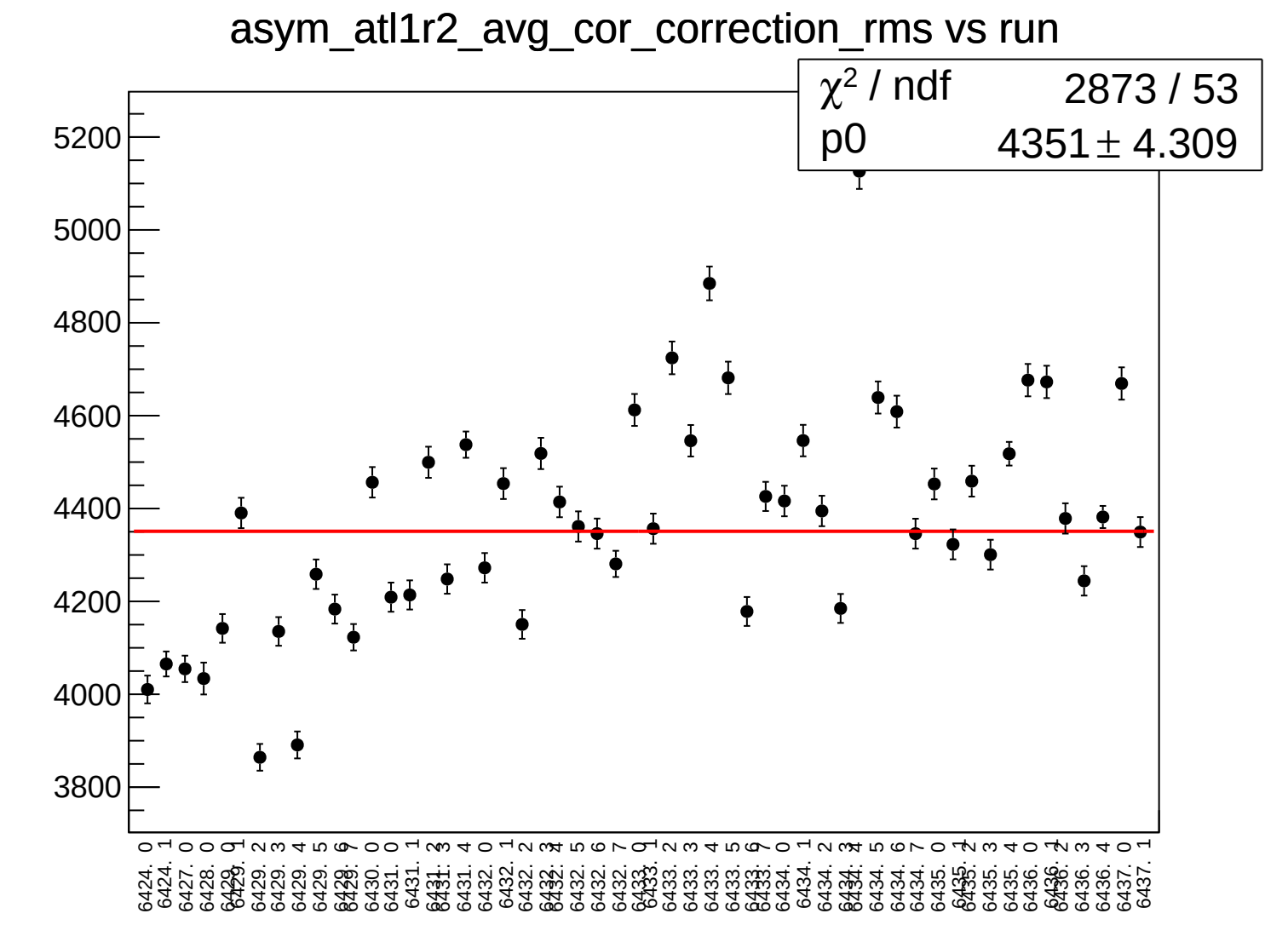

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 2872 / 53
p0 4351 ± 4.309
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

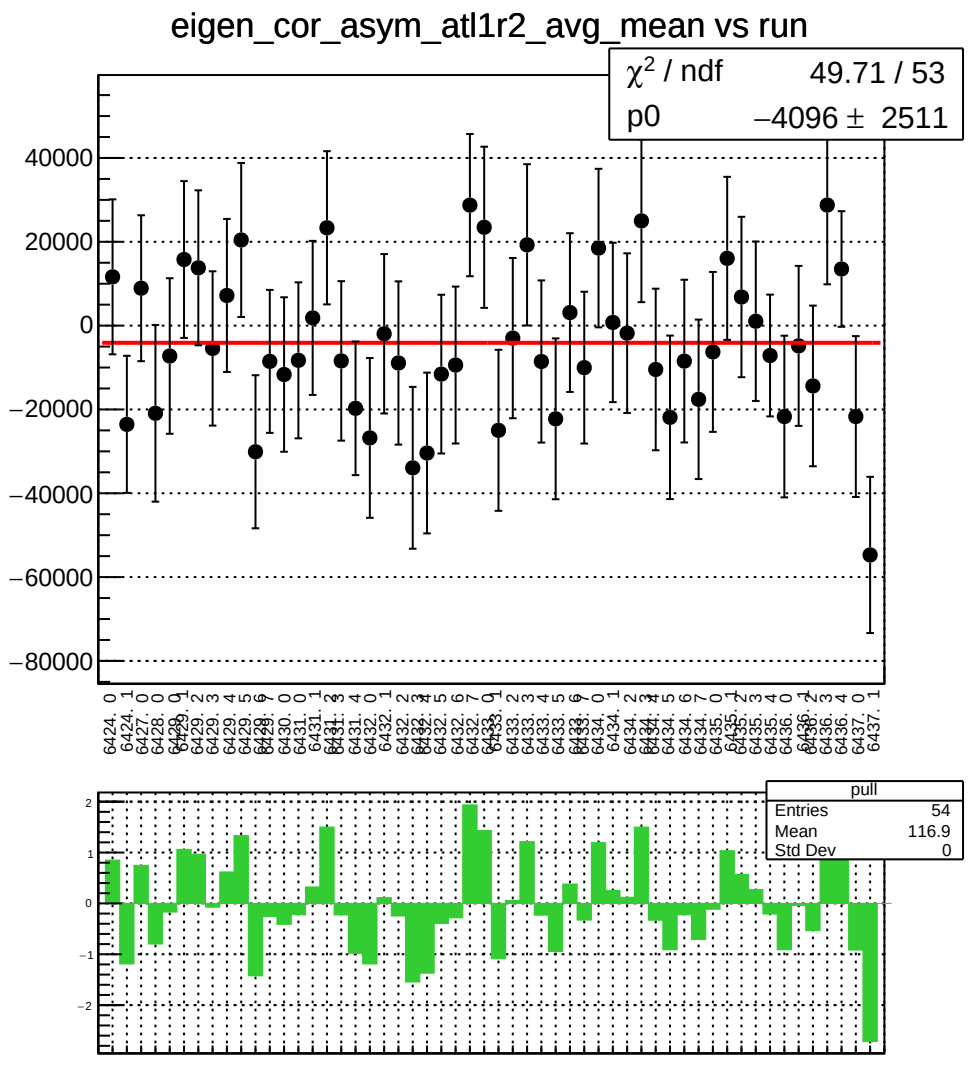

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 49.71 / 53
p0 −4096 ± 2511
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 116.9
Std Dev 0
pull1D
Entries 54
Mean −0.009204
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

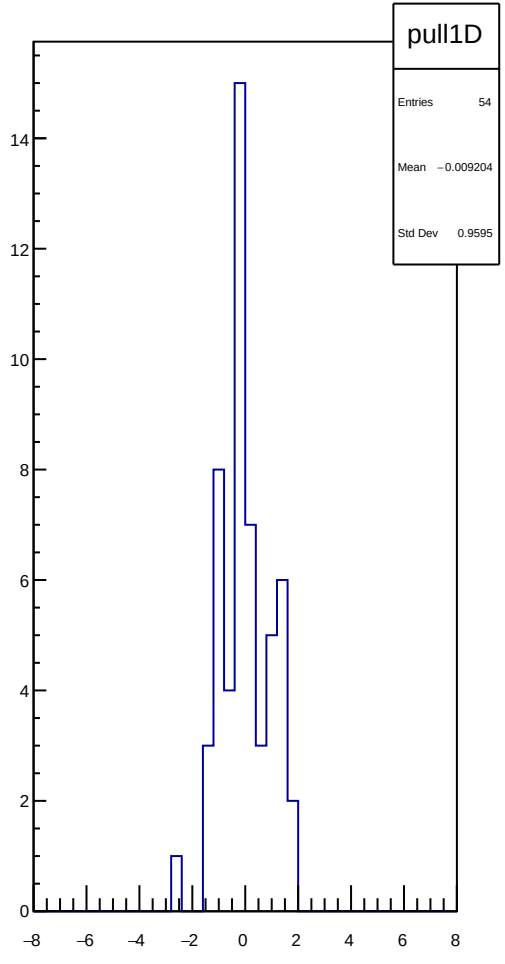

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 357.1 / 53
p0 1795 ± 1.775
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

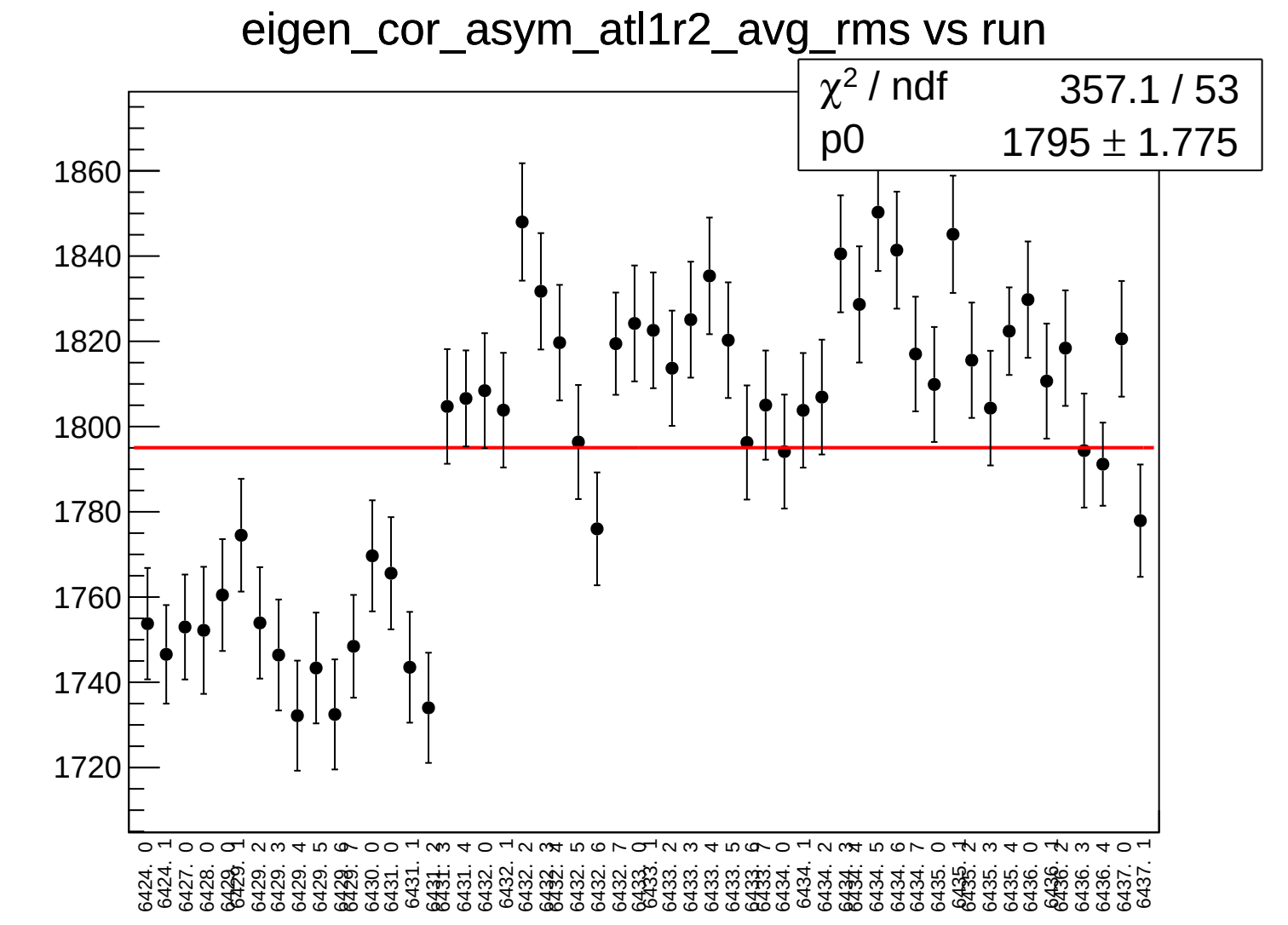

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −3573 ± 6094
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1297
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.00134
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2873 / 53
p0 4351 ± 4.309
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 49.71 / 53
p0 −4096 ± 2511
pull
Entries 54
Mean 116.9
Std Dev 0


pull1D
Entries 54
Mean −0.009204
Std Dev 0.9595


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 357.1 / 53
p0 1795 ± 1.775
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
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6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 5
6432. 6
6432. 7
6433. 0
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6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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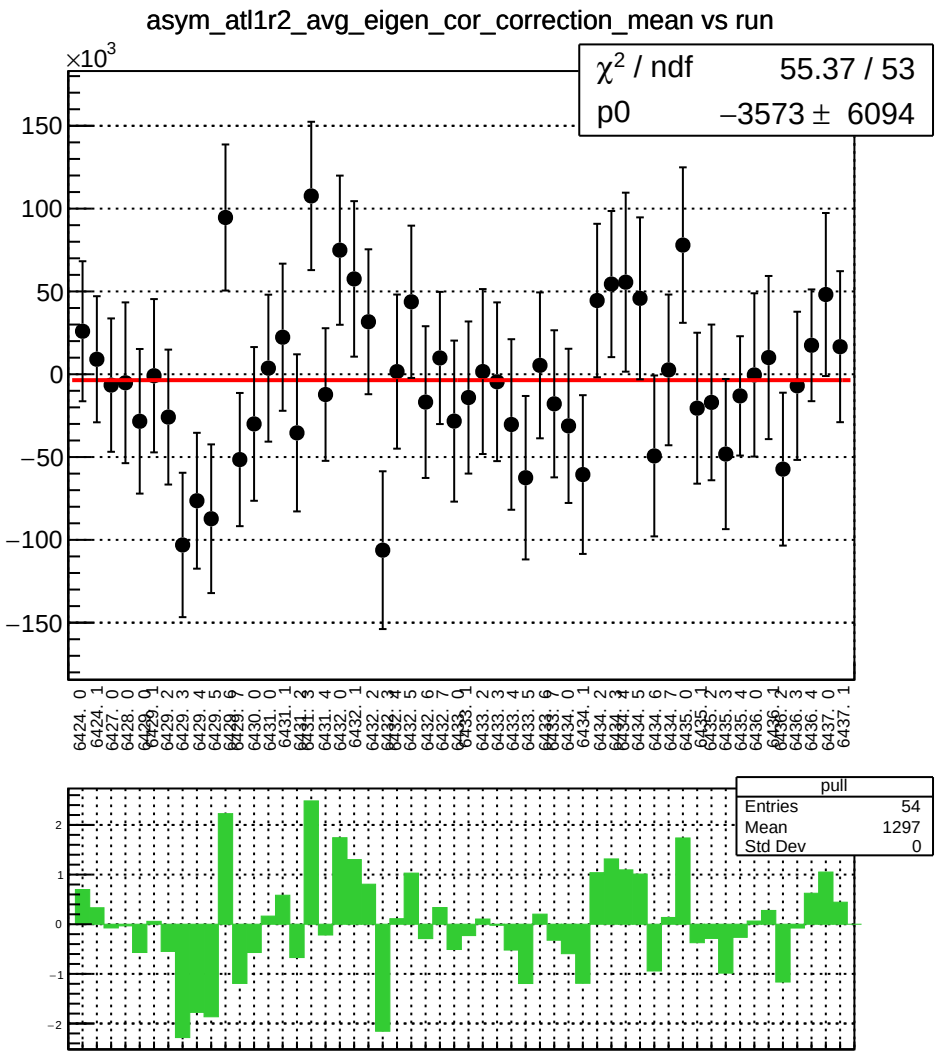
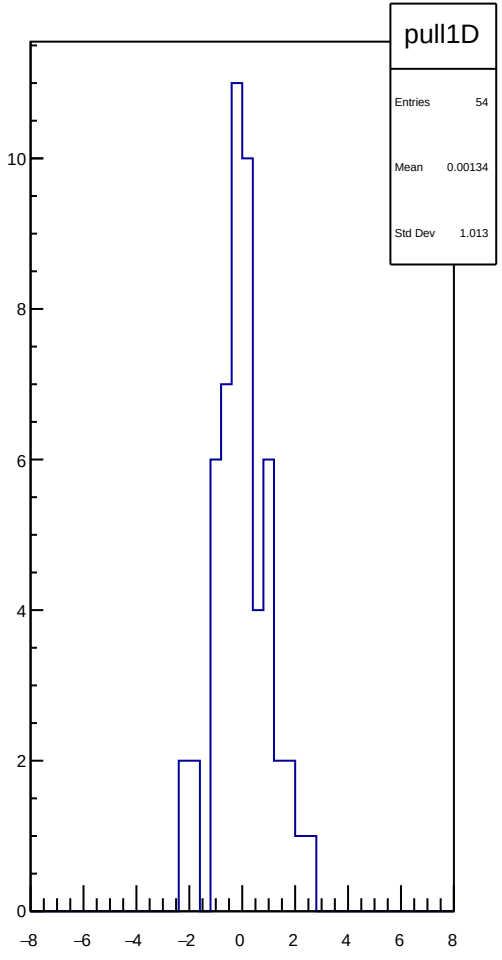
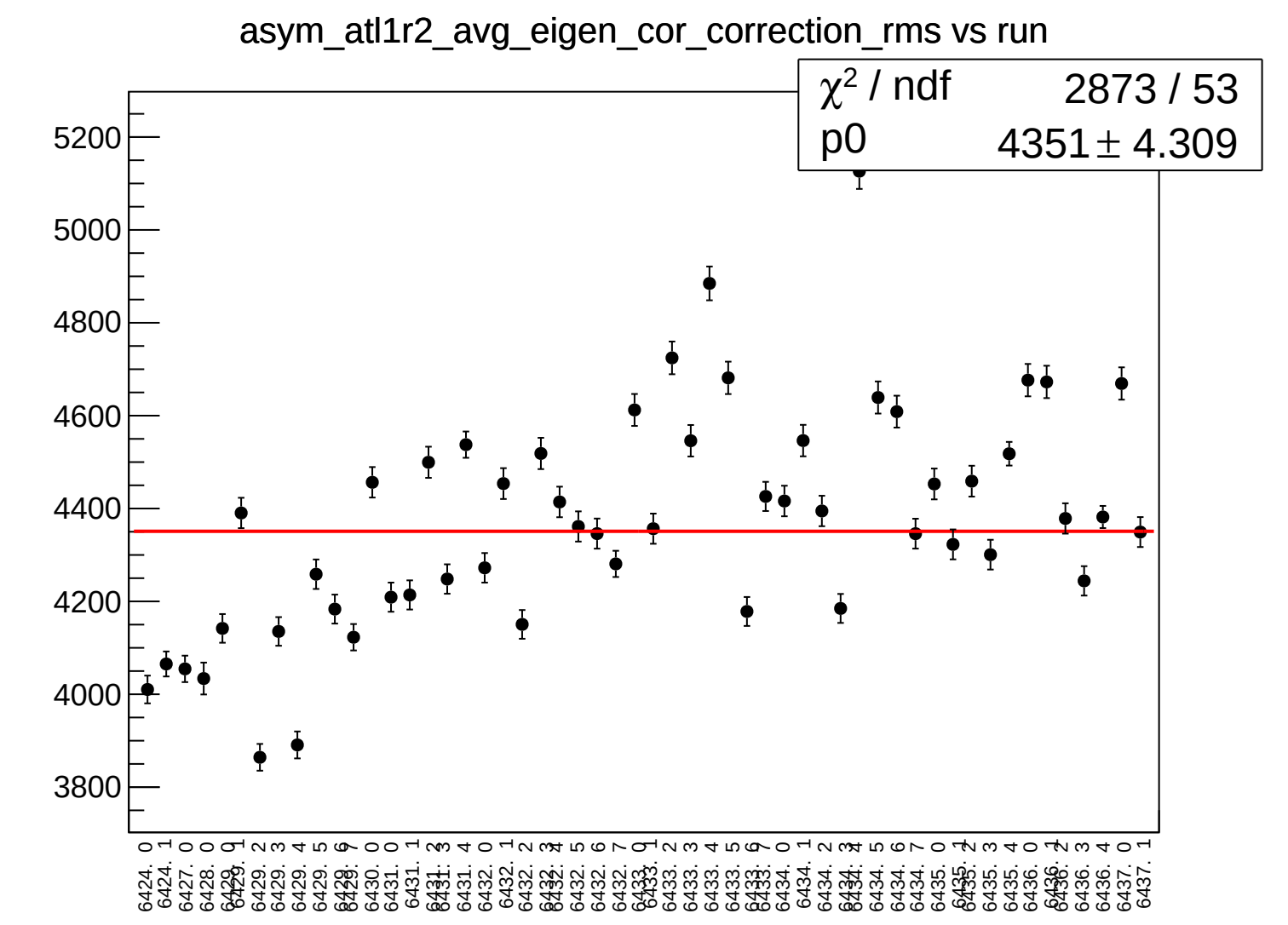
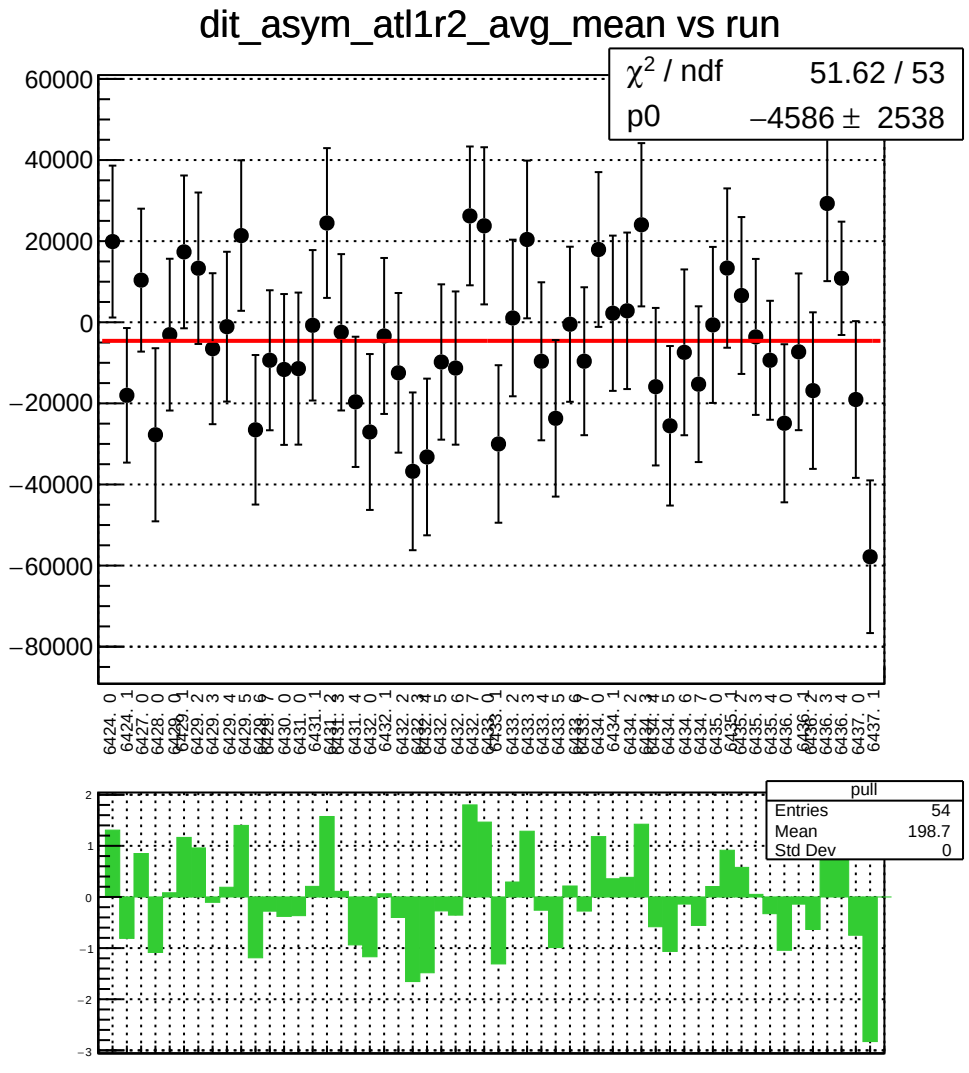
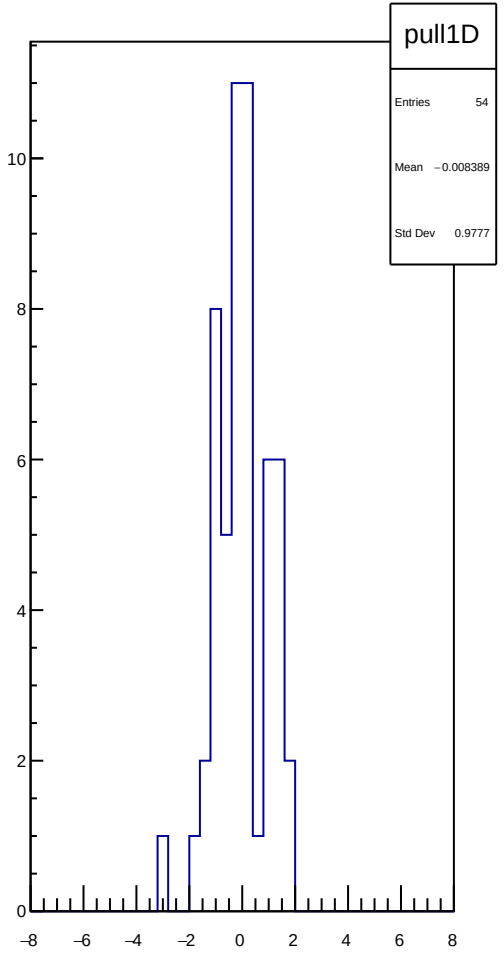
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

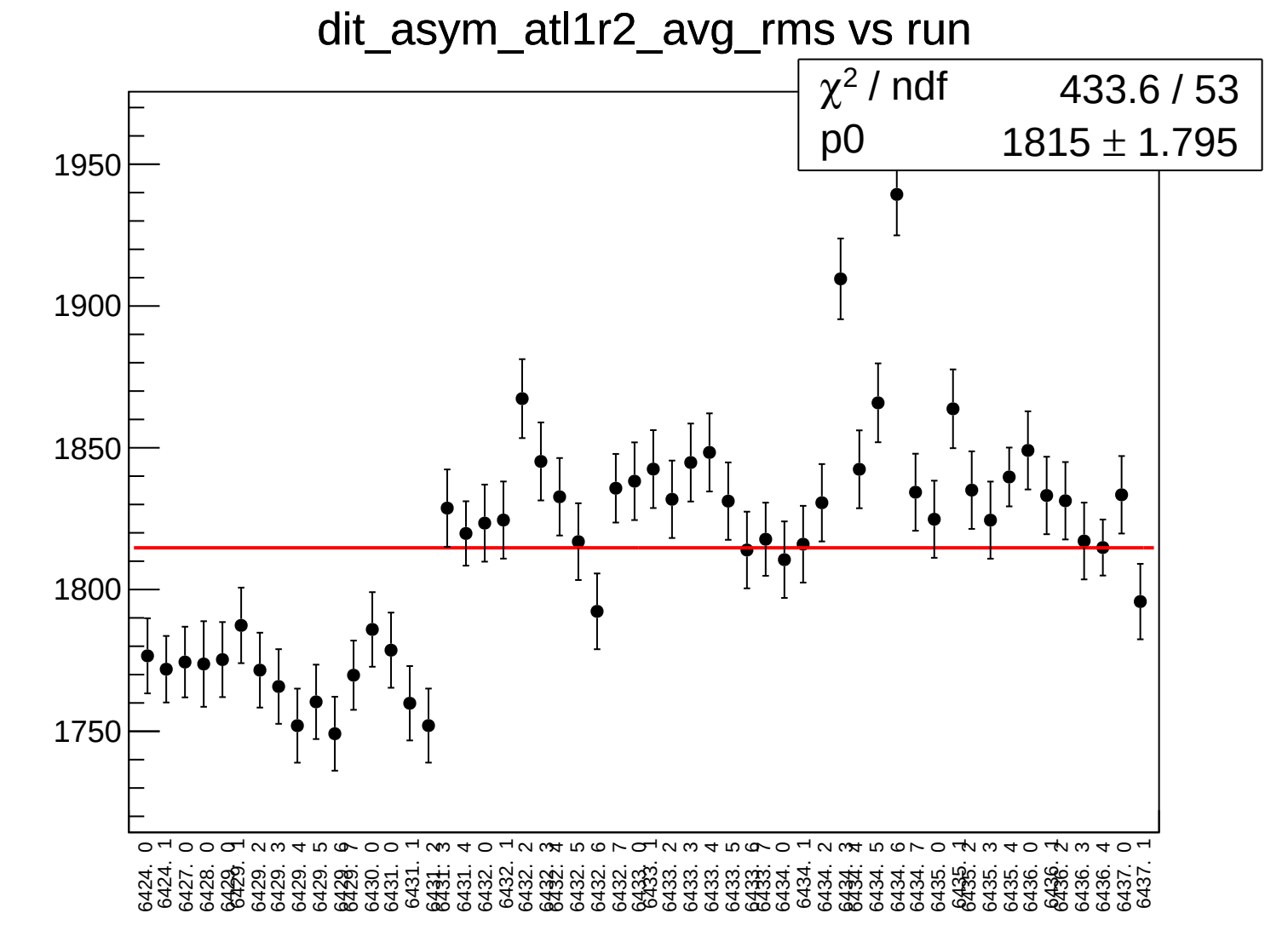

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.37 / 53
p0 −3573 ± 6094
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1297
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.00134
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2873 / 53
p0 4351 ± 4.309
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_atl1r2_avg_mean vs run
χ² / ndf 51.62 / 53
p0 −4586 ± 2538
pull
Entries 54
Mean 198.7
Std Dev 0


pull1D
Entries 54
Mean −0.008389
Std Dev 0.9777


dit_asym_atl1r2_avg_rms vs run
χ^2 / ndf 433.6 / 53
p0 1815 ± 1.795
1950
1900
1850
1800
1750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
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6434. 0
6434. 1
6434. 2
6434. 5
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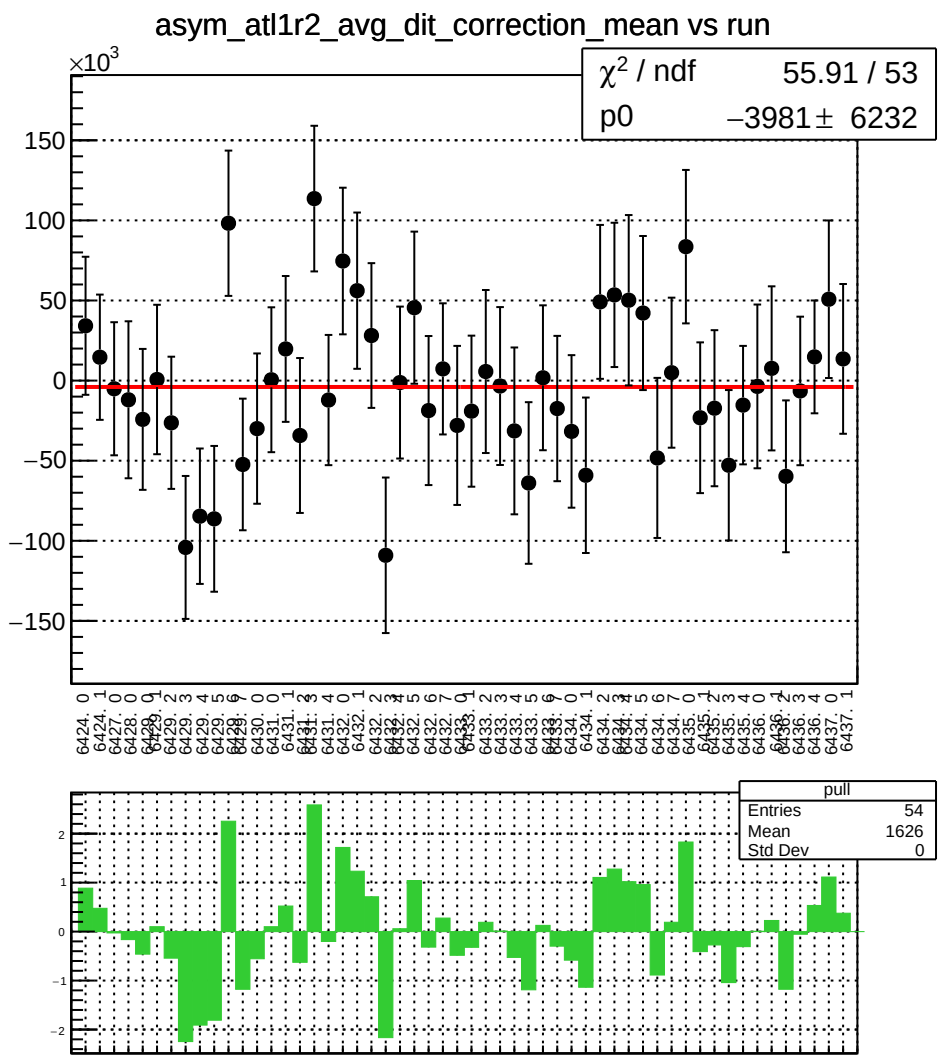
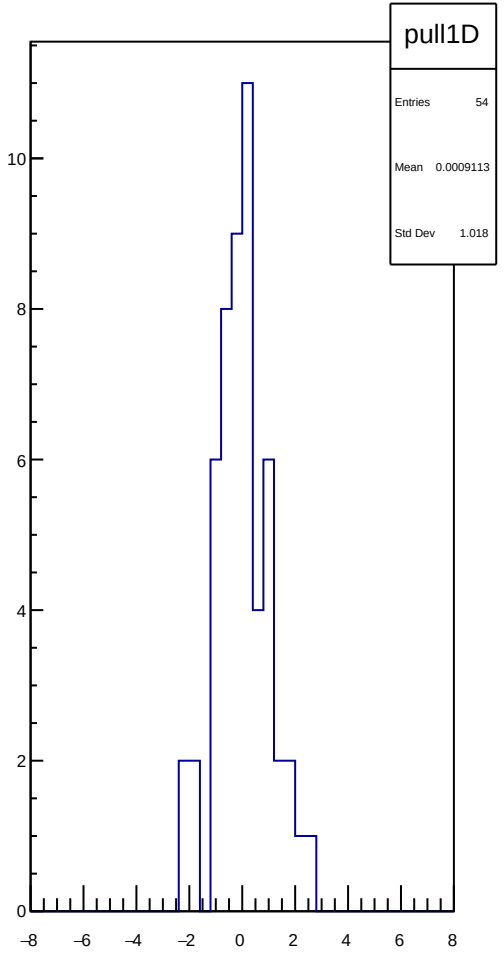
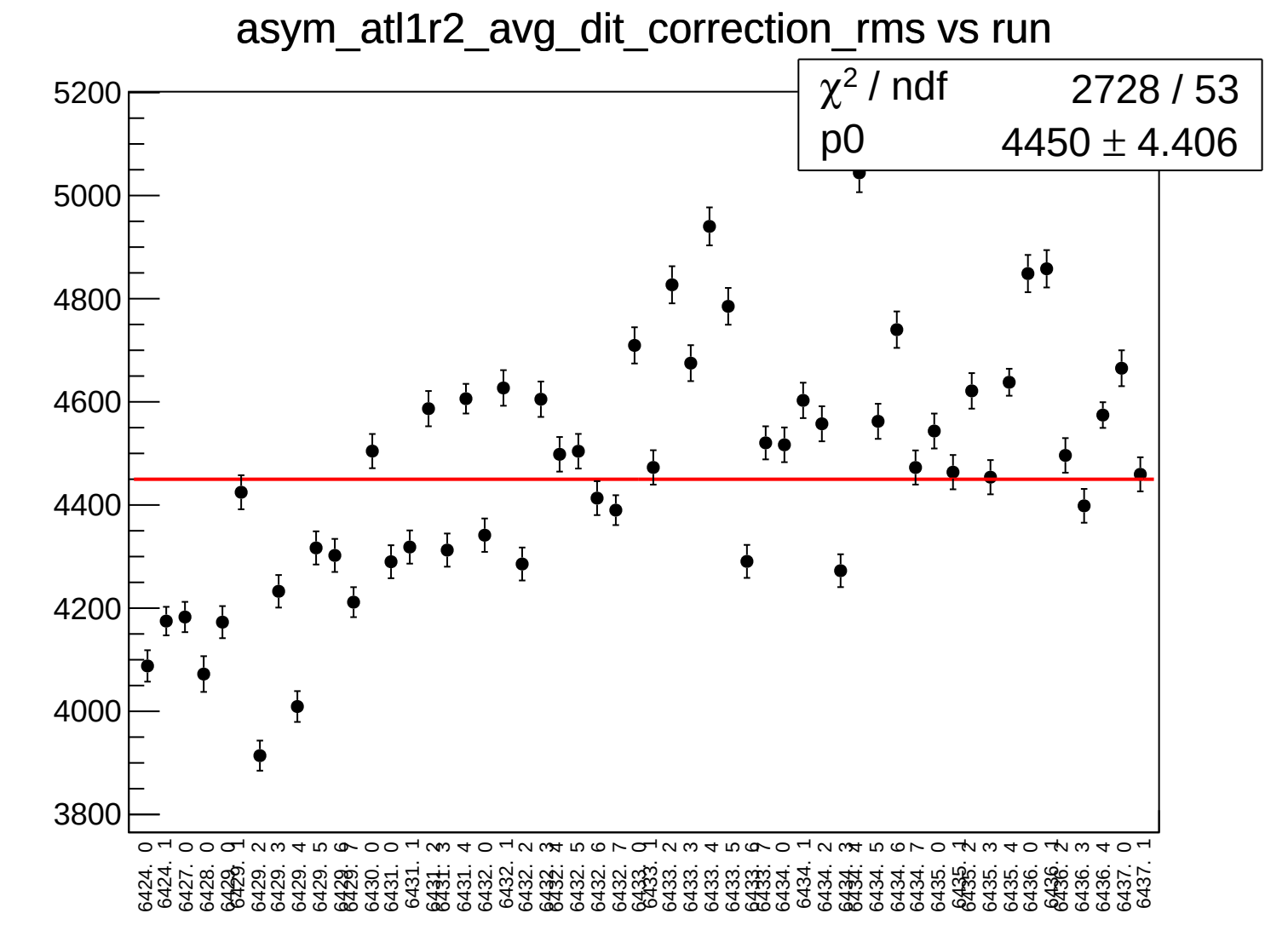
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 55.91 / 53
p0 −3981 ± 6232
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1626
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0009113
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 2728 / 53
p0 4450 ± 4.406
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
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6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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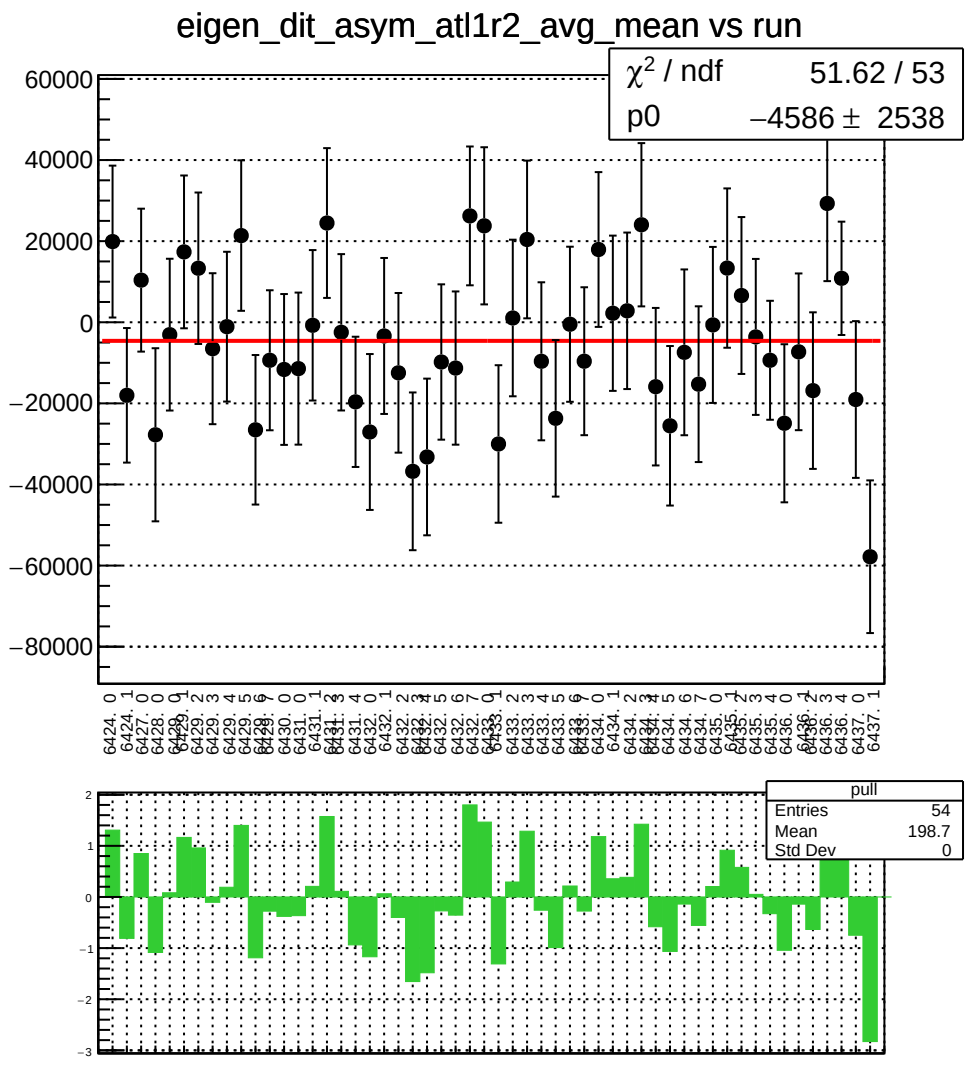
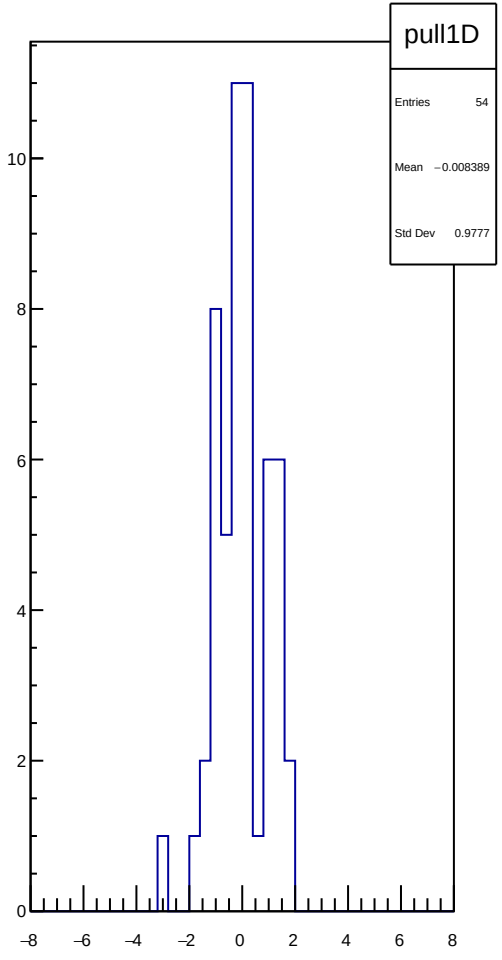
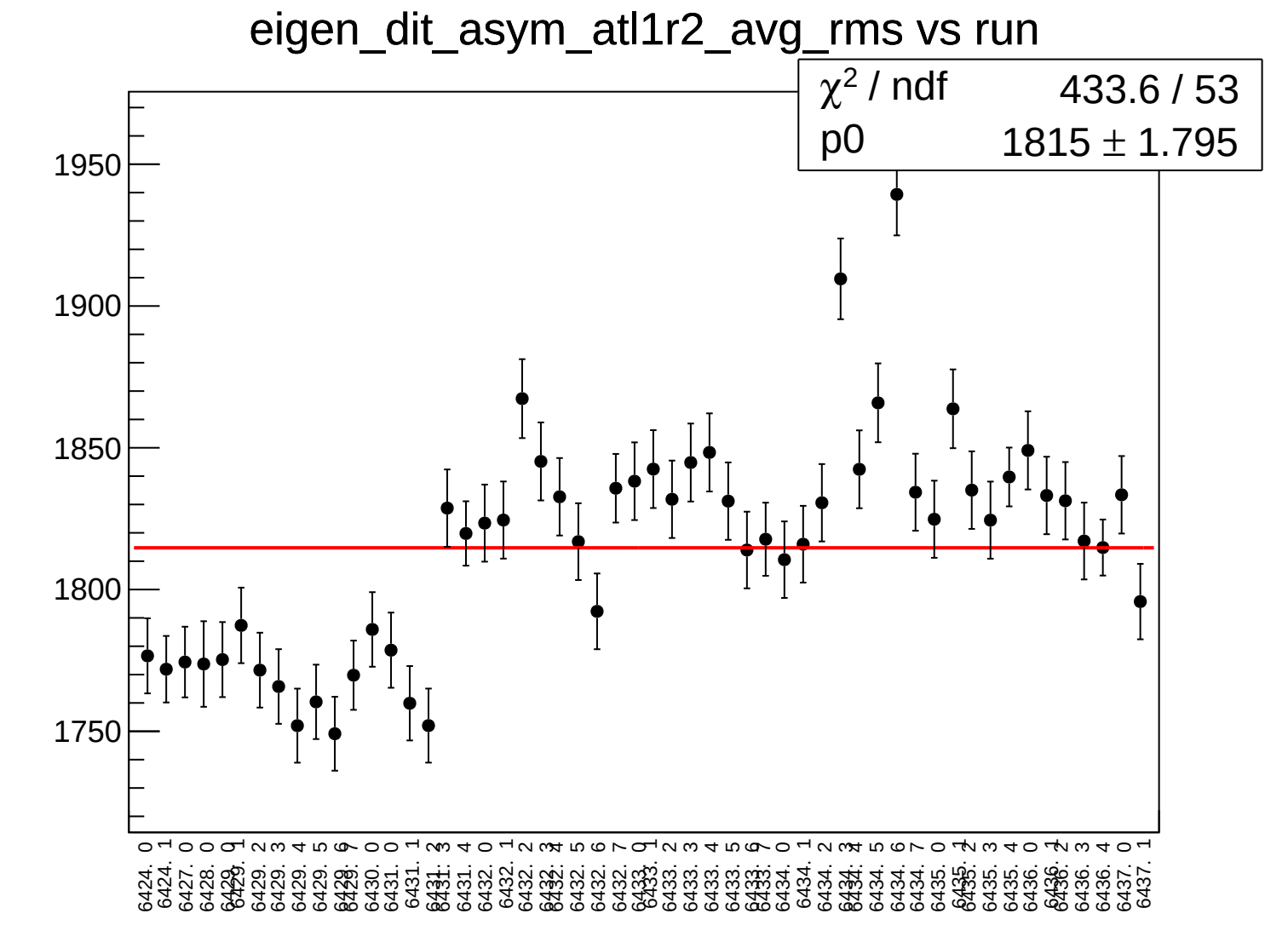
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 51.62 / 53
p0 −4586 ± 2538
pull
Entries 54
Mean 198.7
Std Dev 0


pull1D
Entries 54
Mean −0.008389
Std Dev 0.9777


eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 433.6 / 53
p0 1815 ± 1.795
1950
1900
1850
1800
1750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6434. 0
6434. 1
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6434. 5
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6436. 0
6436. 3
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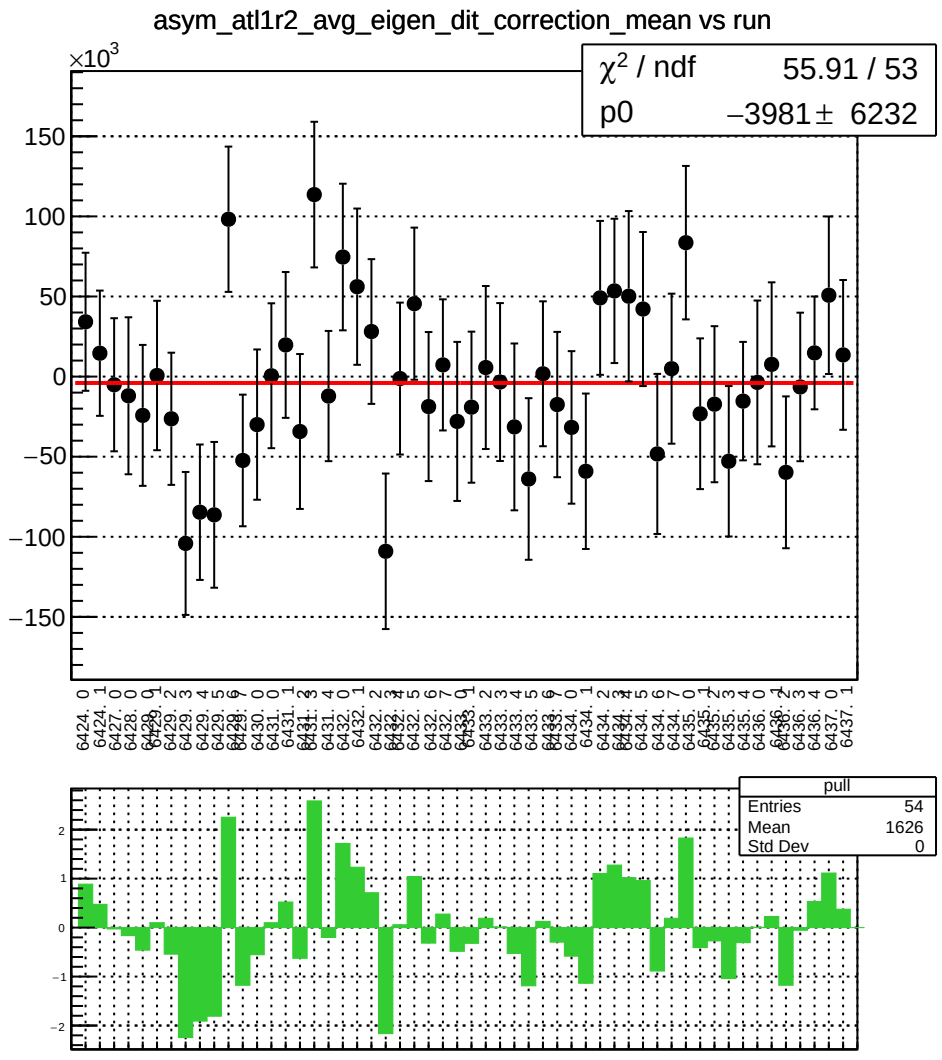
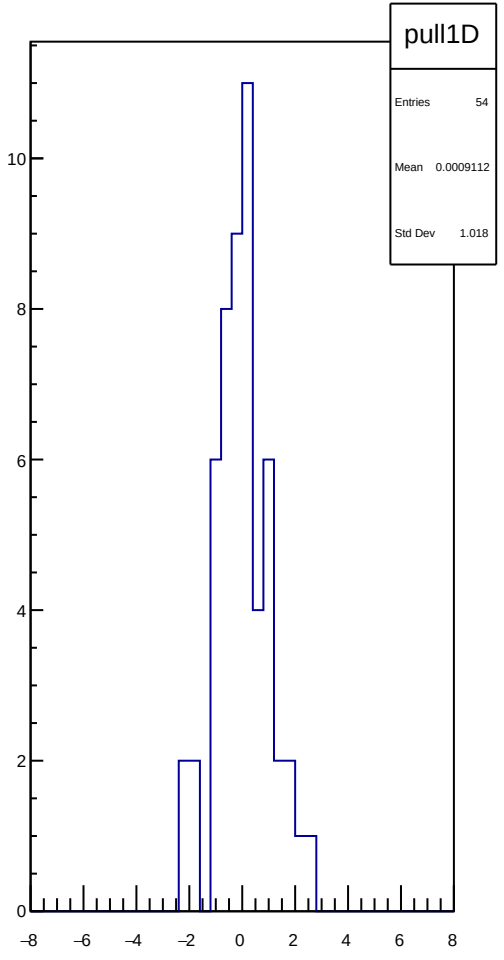
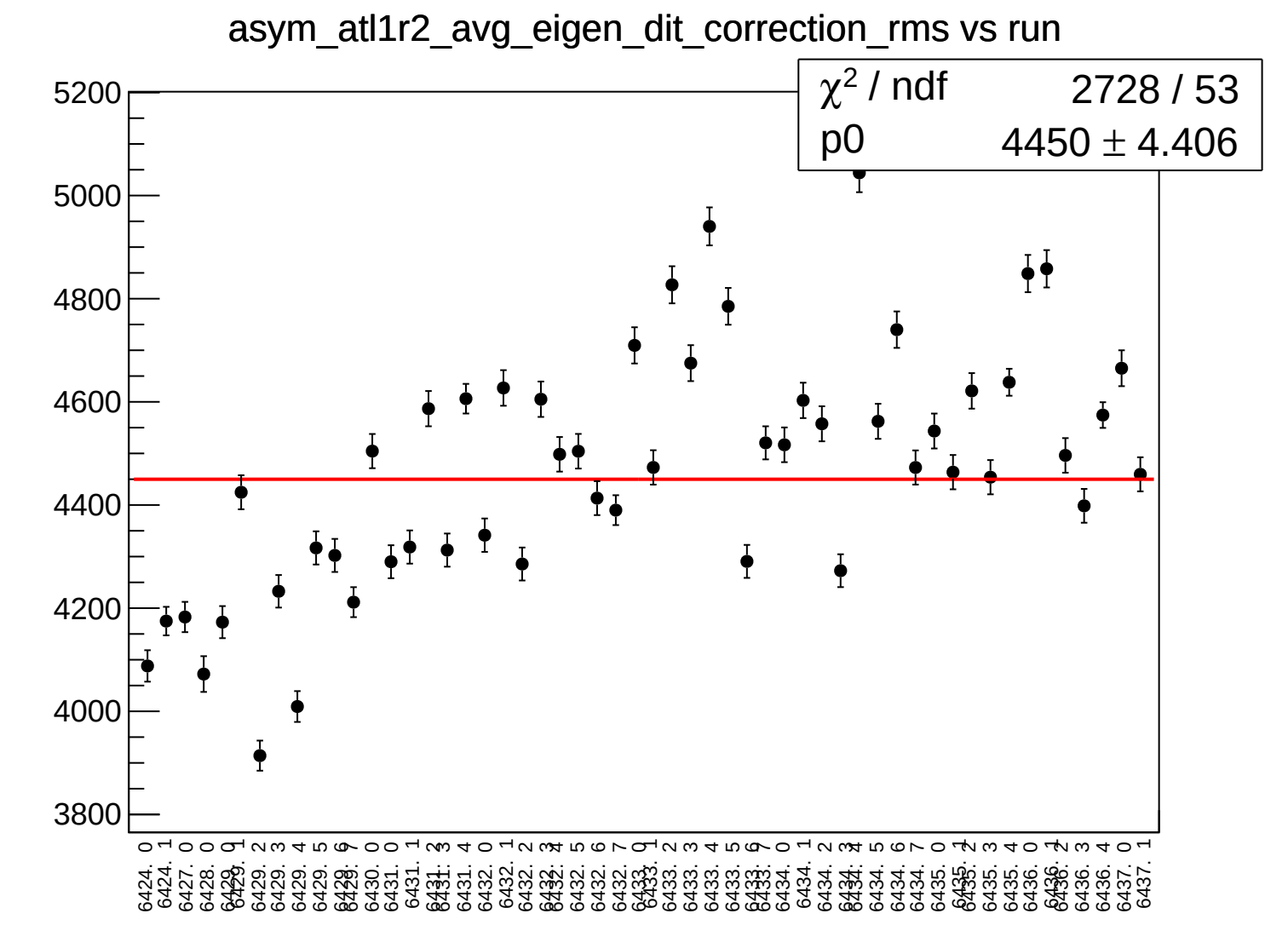
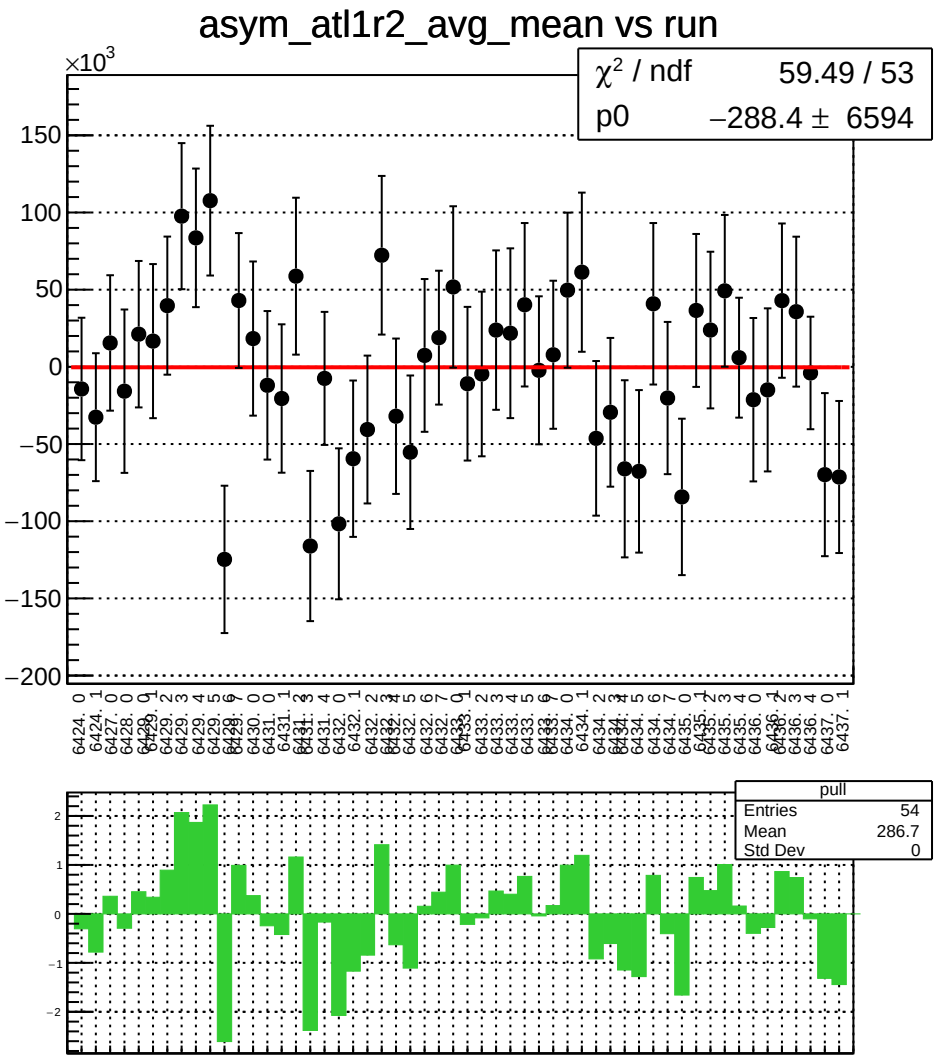
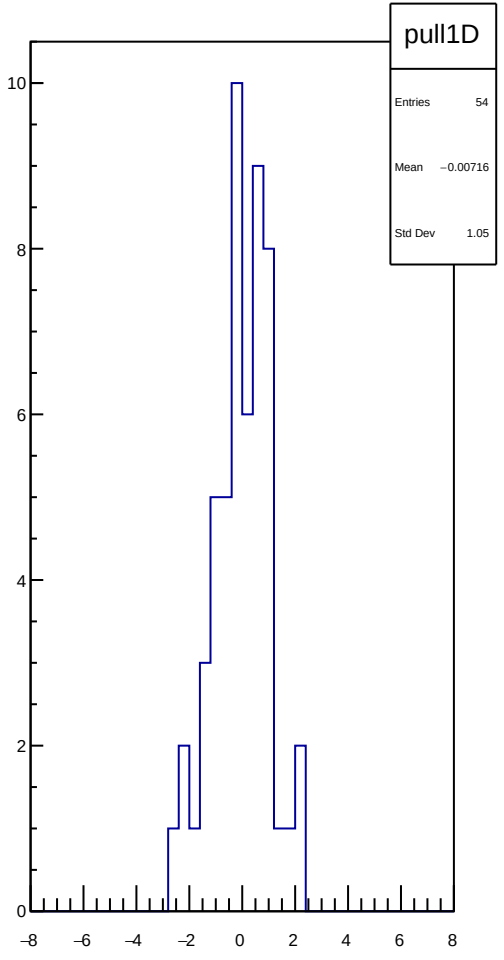
6437. 0
6437. 1

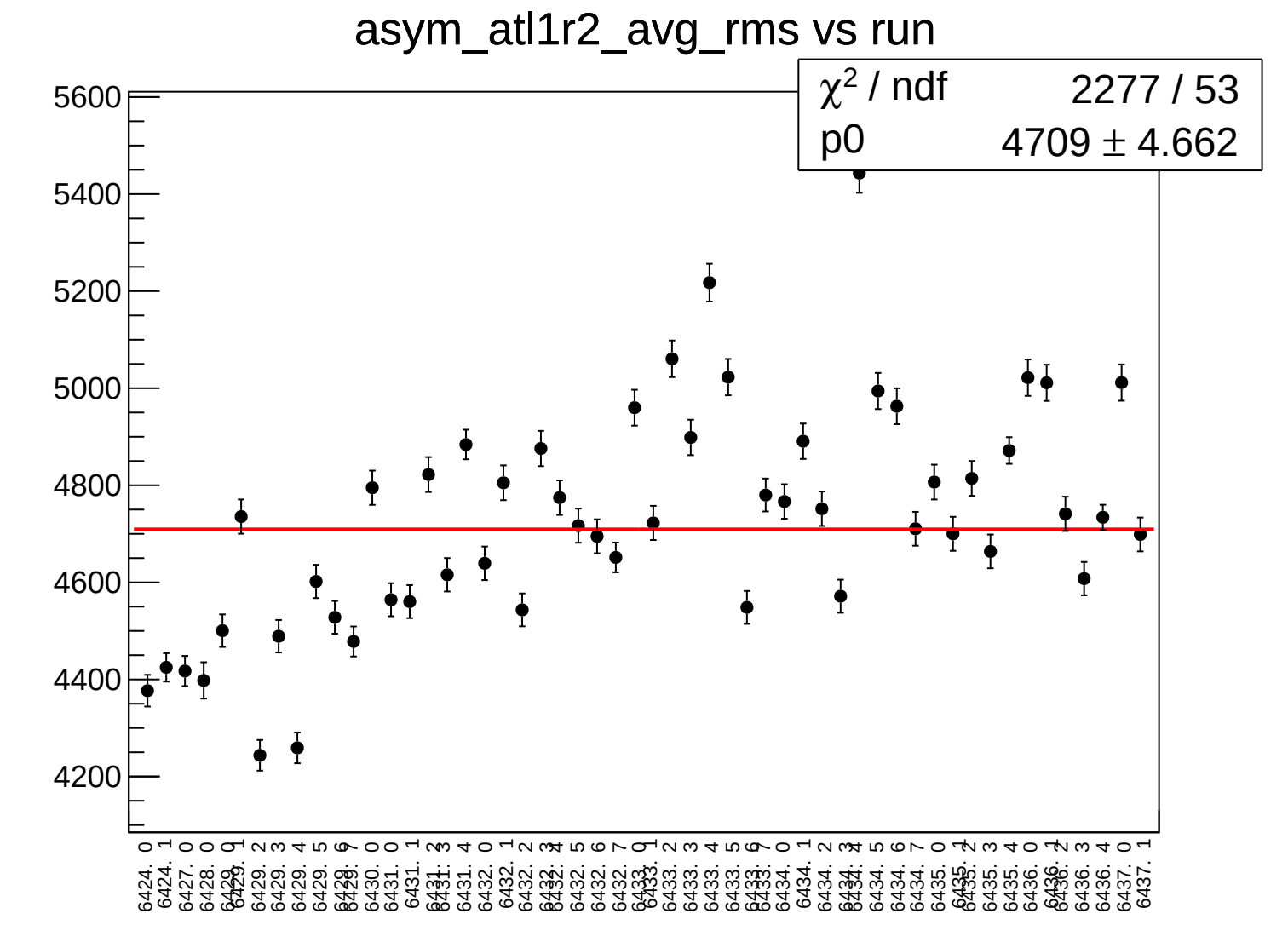

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 55.91 / 53
p0 −3981 ± 6232
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1626
Std Dev 0
2
1
0
−1
−2

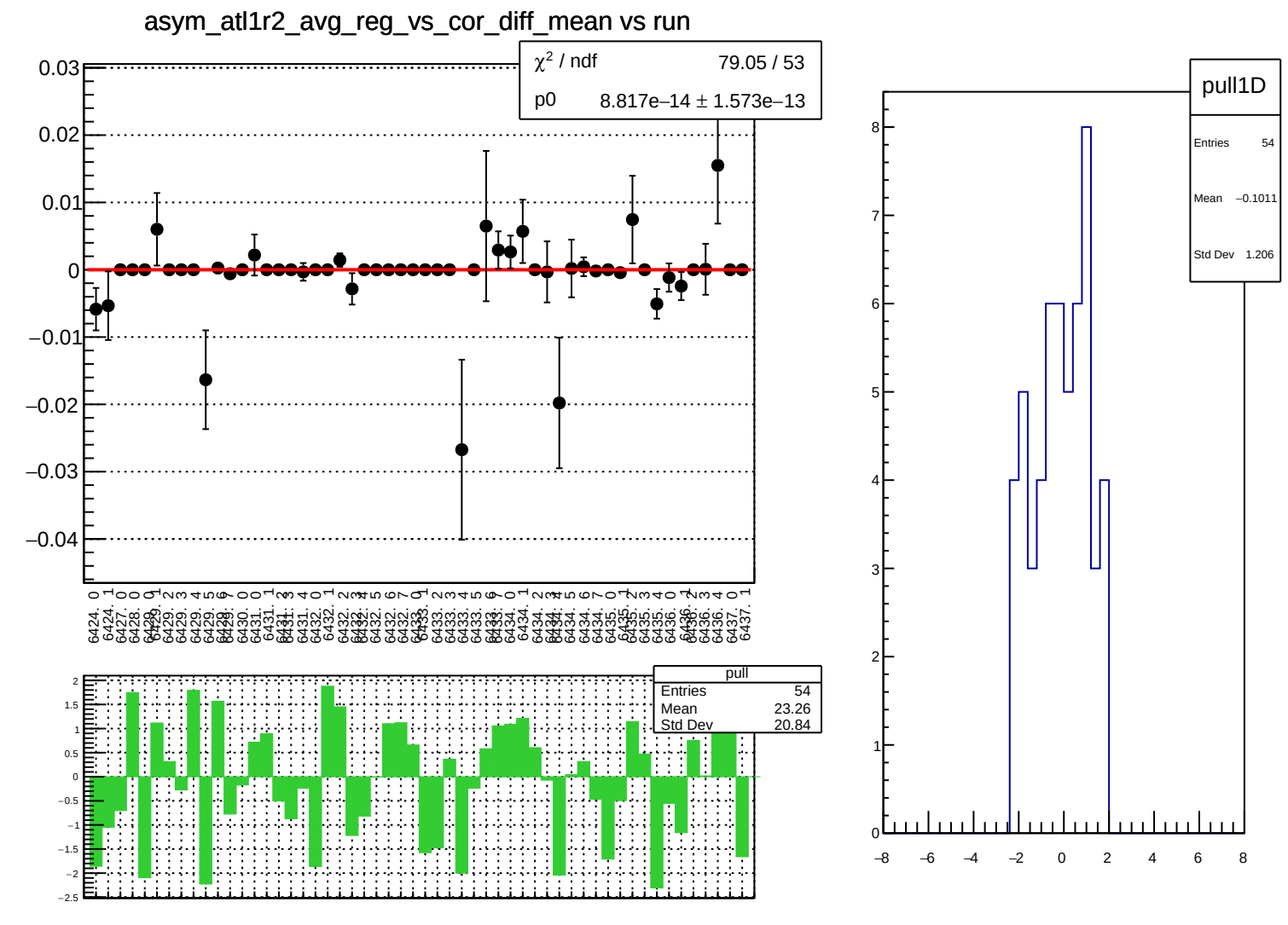

pull1D
Entries 54
Mean 0.0009112
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

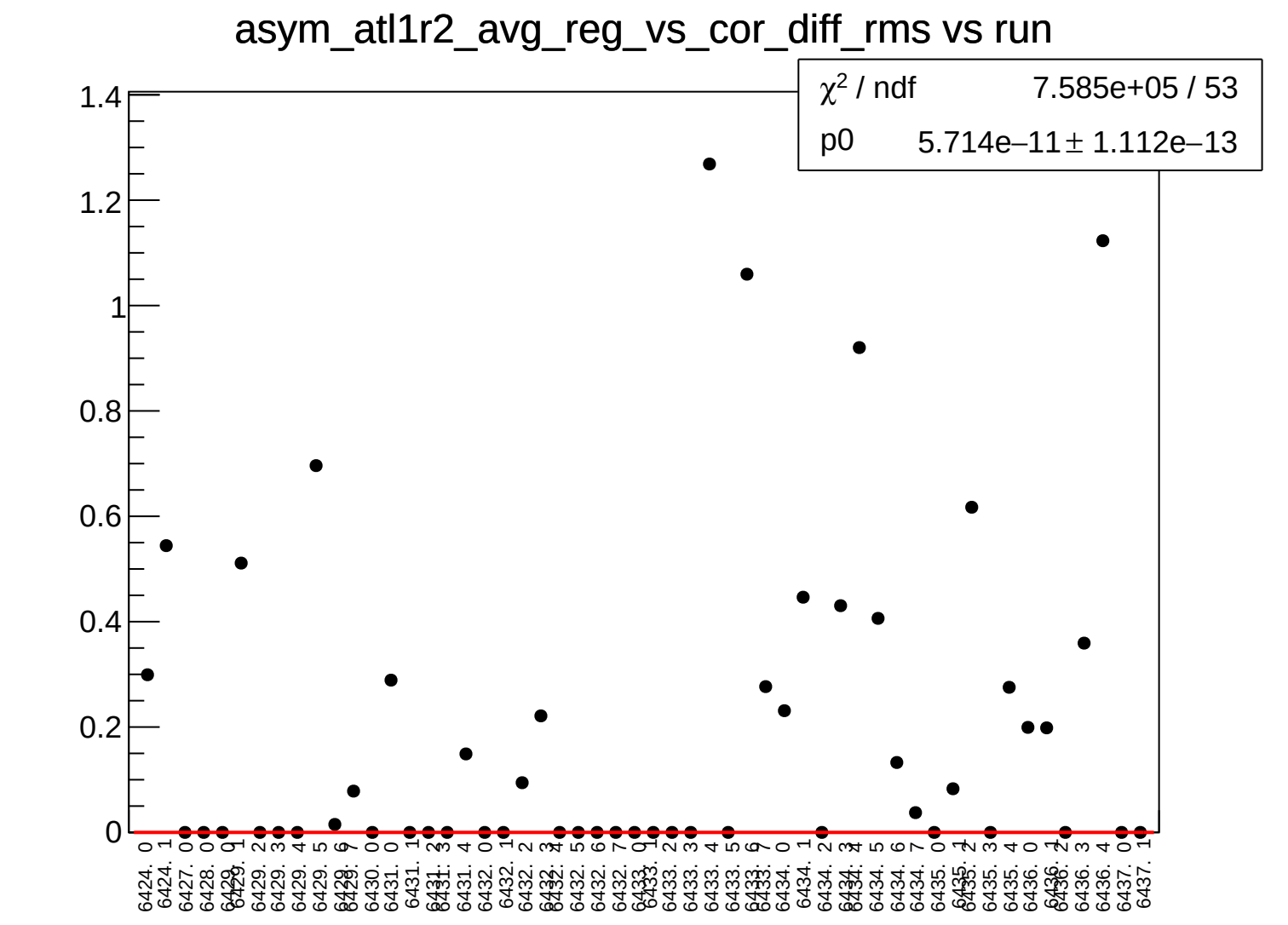

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2728 / 53
p0 4450 ± 4.406
5200
5000
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

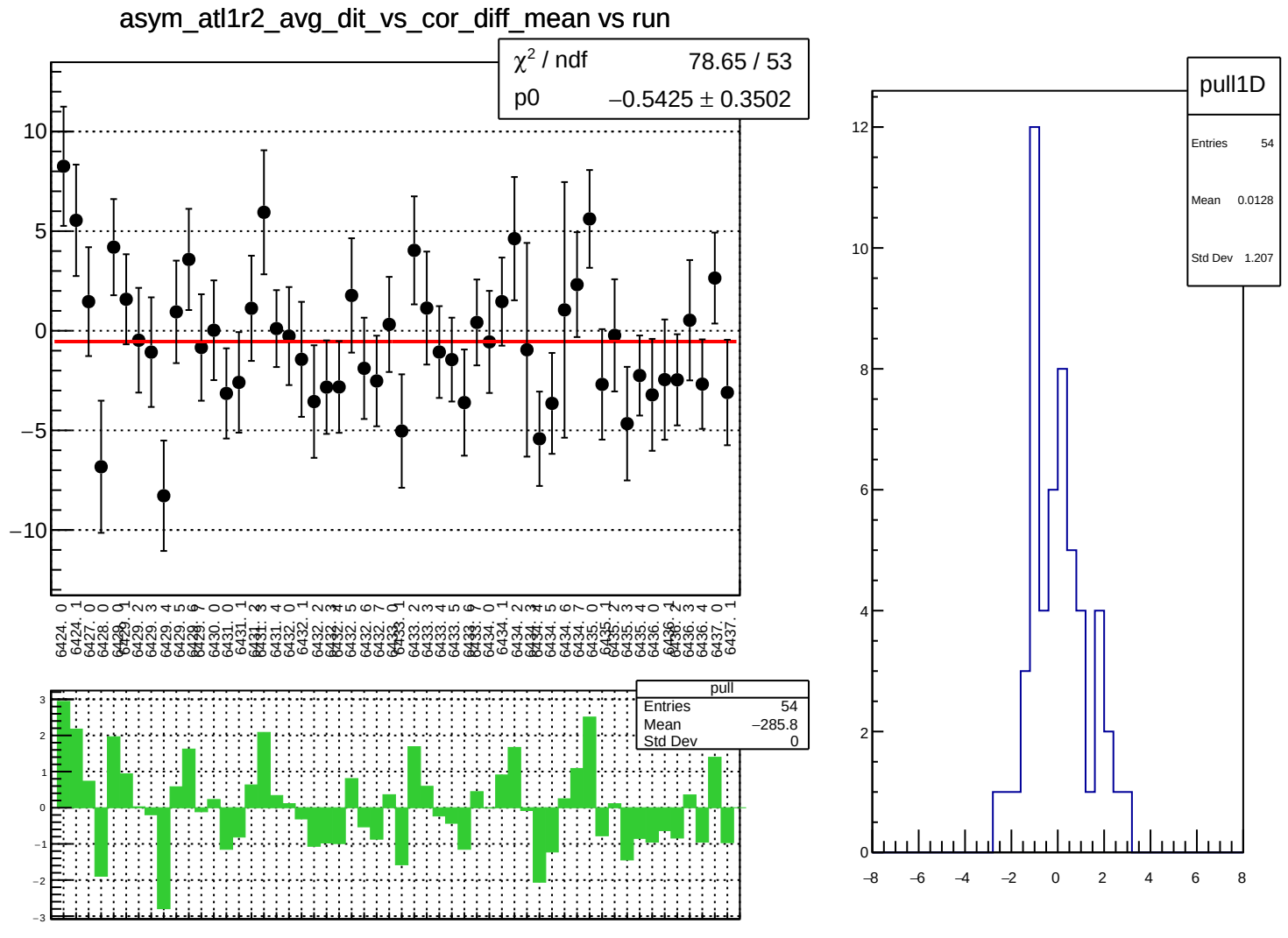

asym_atl1r2_avg_mean vs run
χ² / ndf 59.49 / 53
p0 −288.4 ± 6594
pull
Entries 54
Mean 286.7
Std Dev 0

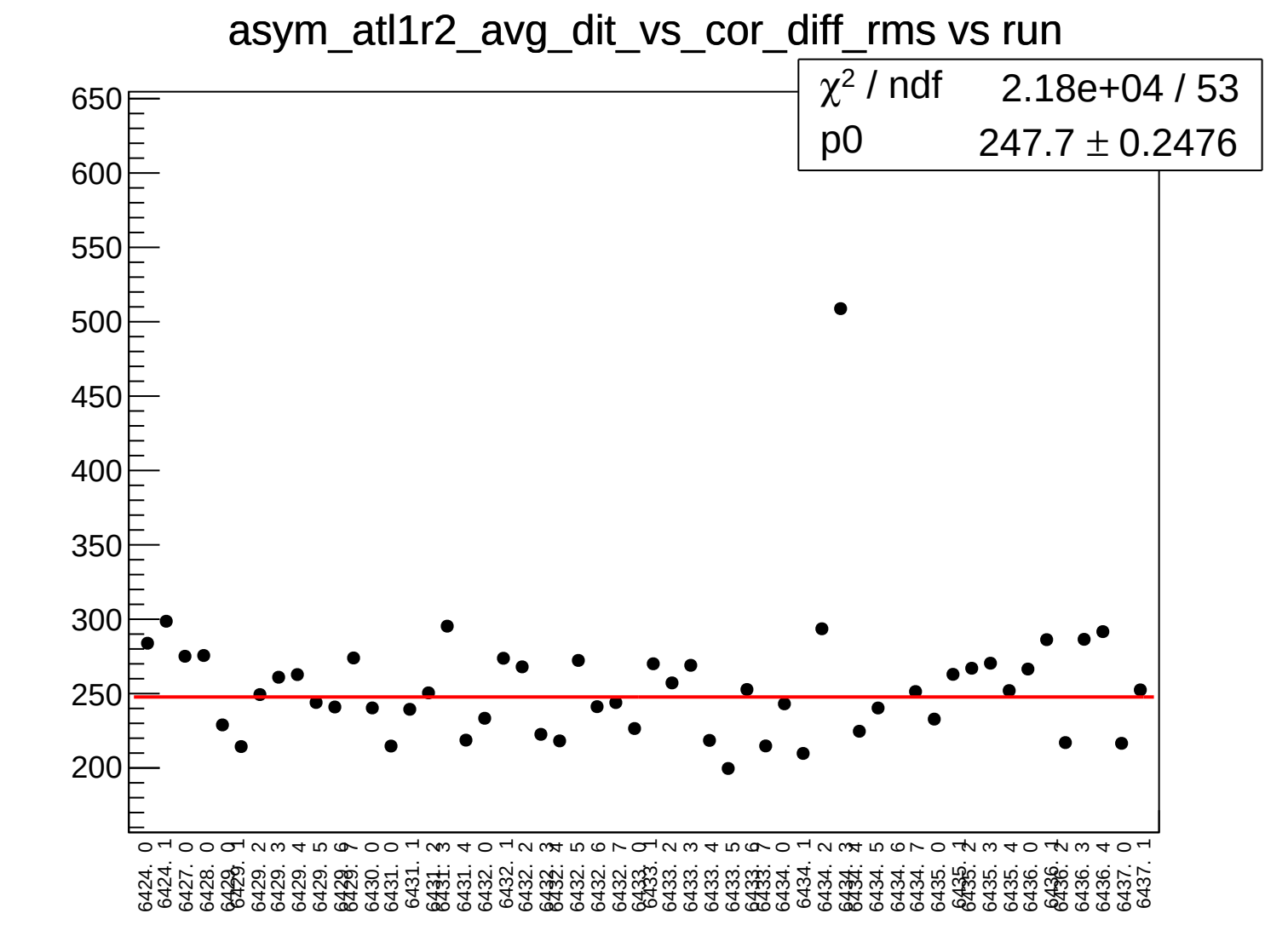

pull1D
Entries 54
Mean −0.00716
Std Dev 1.05

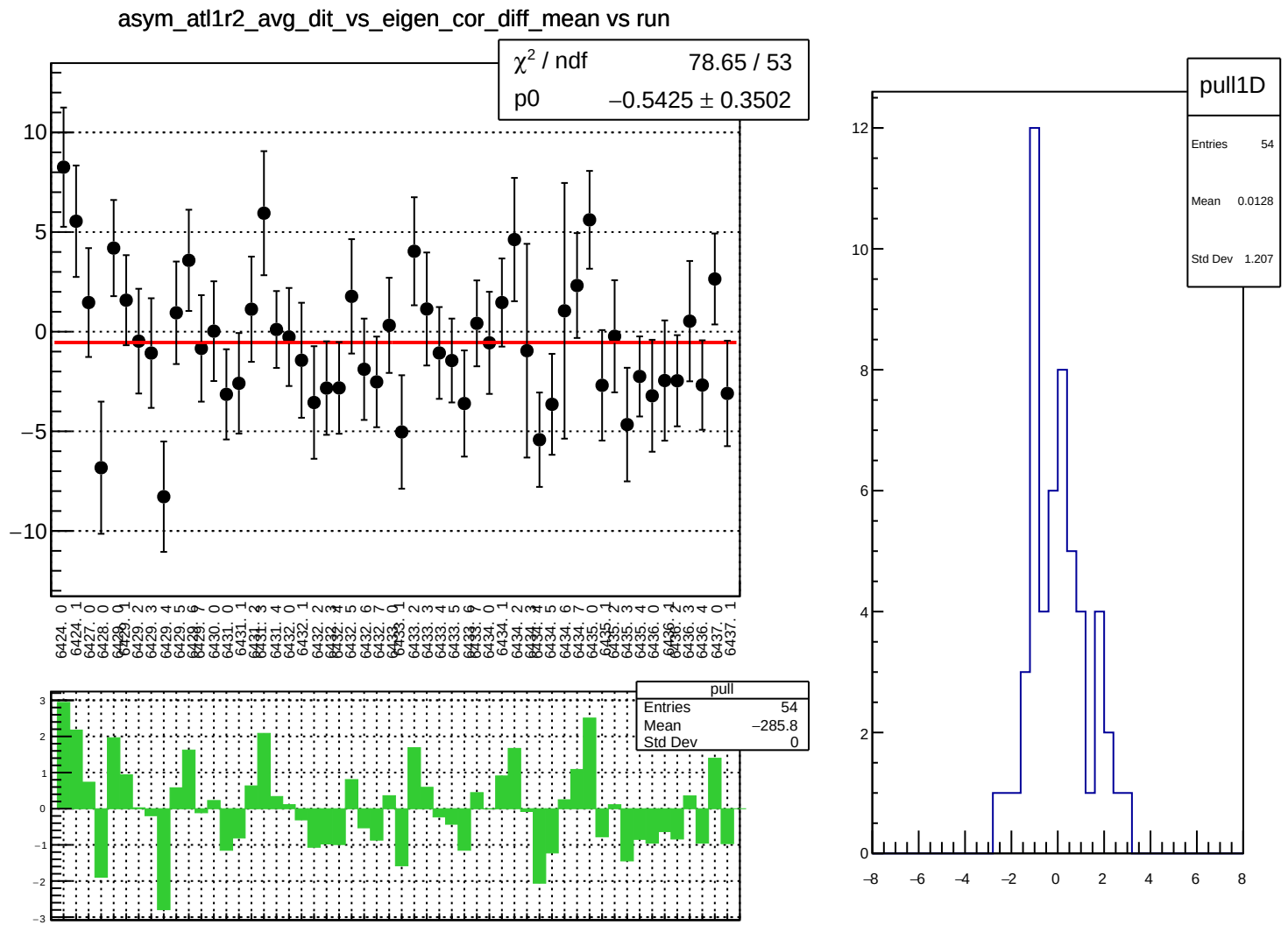

asym_atl1r2_avg_rms vs run
χ² / ndf 2277 / 53
p0 4709 ± 4.662
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

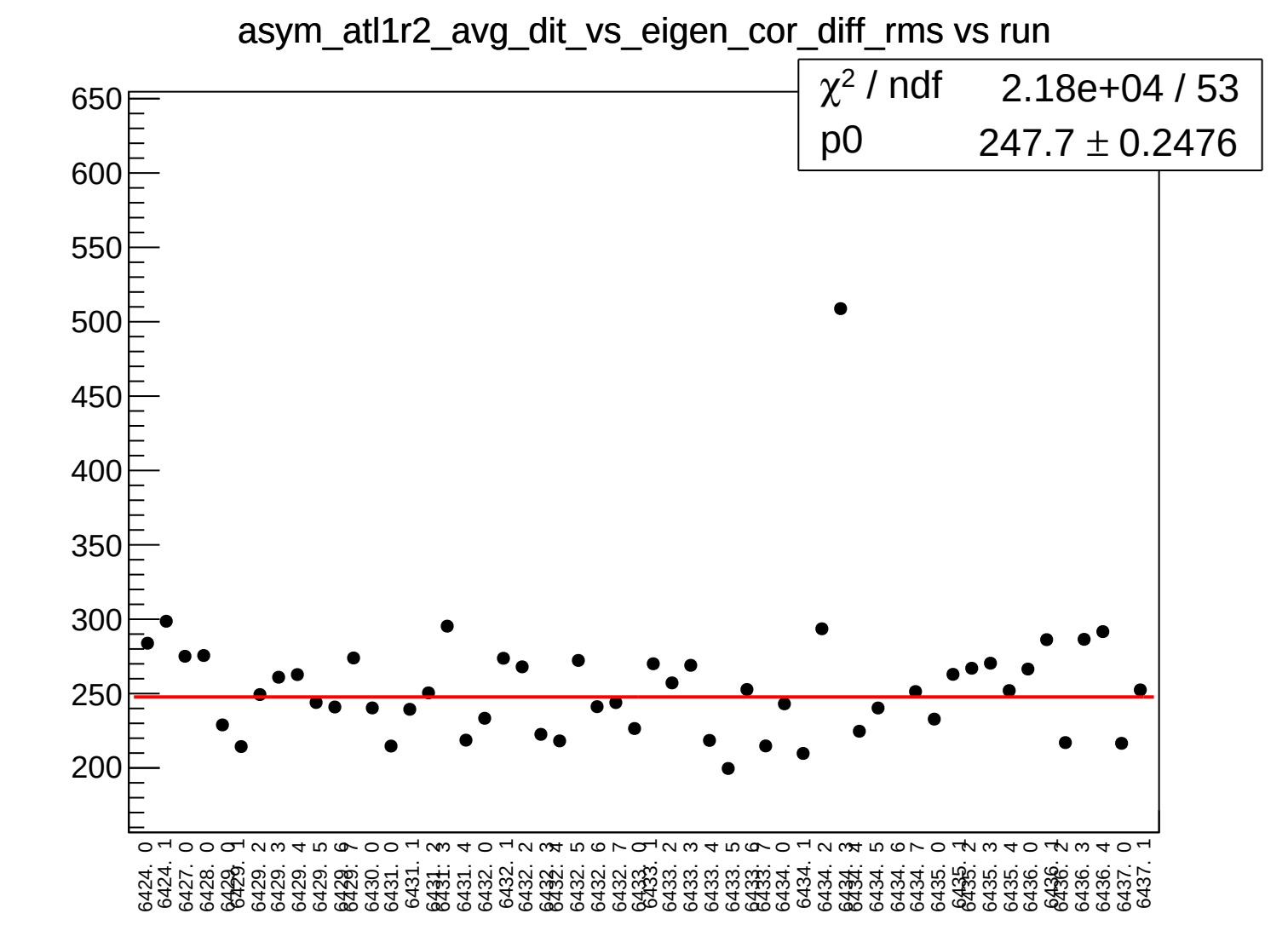

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.05 / 53
p0 8.817e−14 ± 1.573e−13
pull
Entries 54
Mean 23.26
Std Dev 20.84
pull1D
Entries 54
Mean −0.1011
Std Dev 1.206

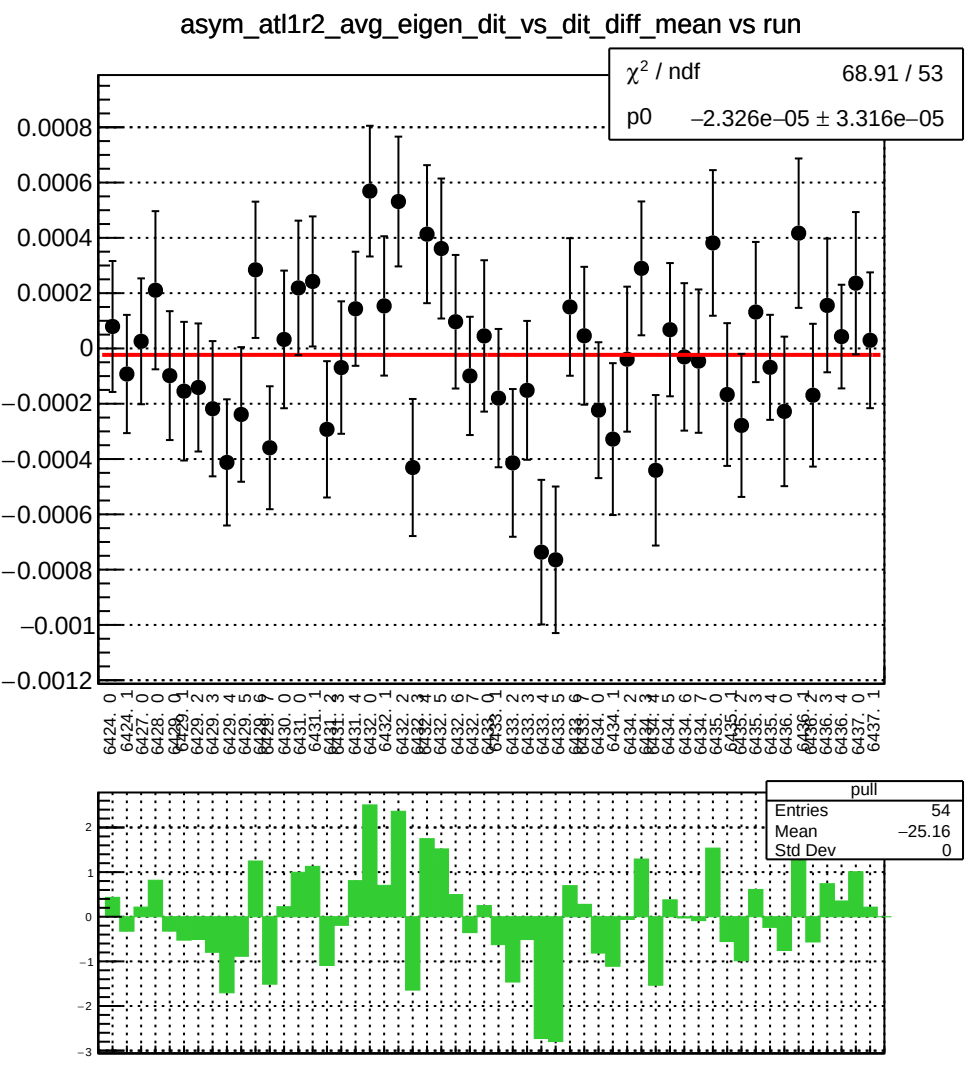

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.585e+05 / 53
p0 5.714e−11 ± 1.112e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

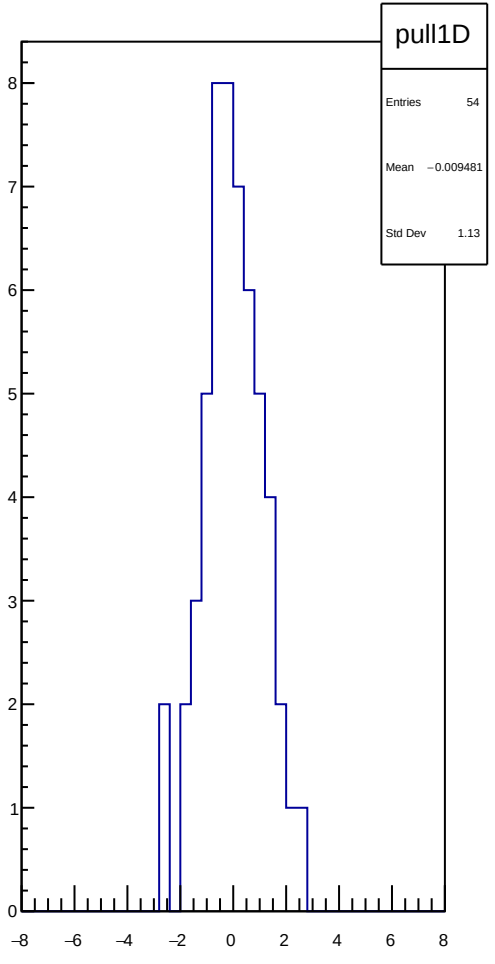

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.65 / 53
p0 −0.5425 ± 0.3502
pull
Entries 54
Mean −285.8
Std Dev 0
pull1D
Entries 54
Mean 0.0128
Std Dev 1.207

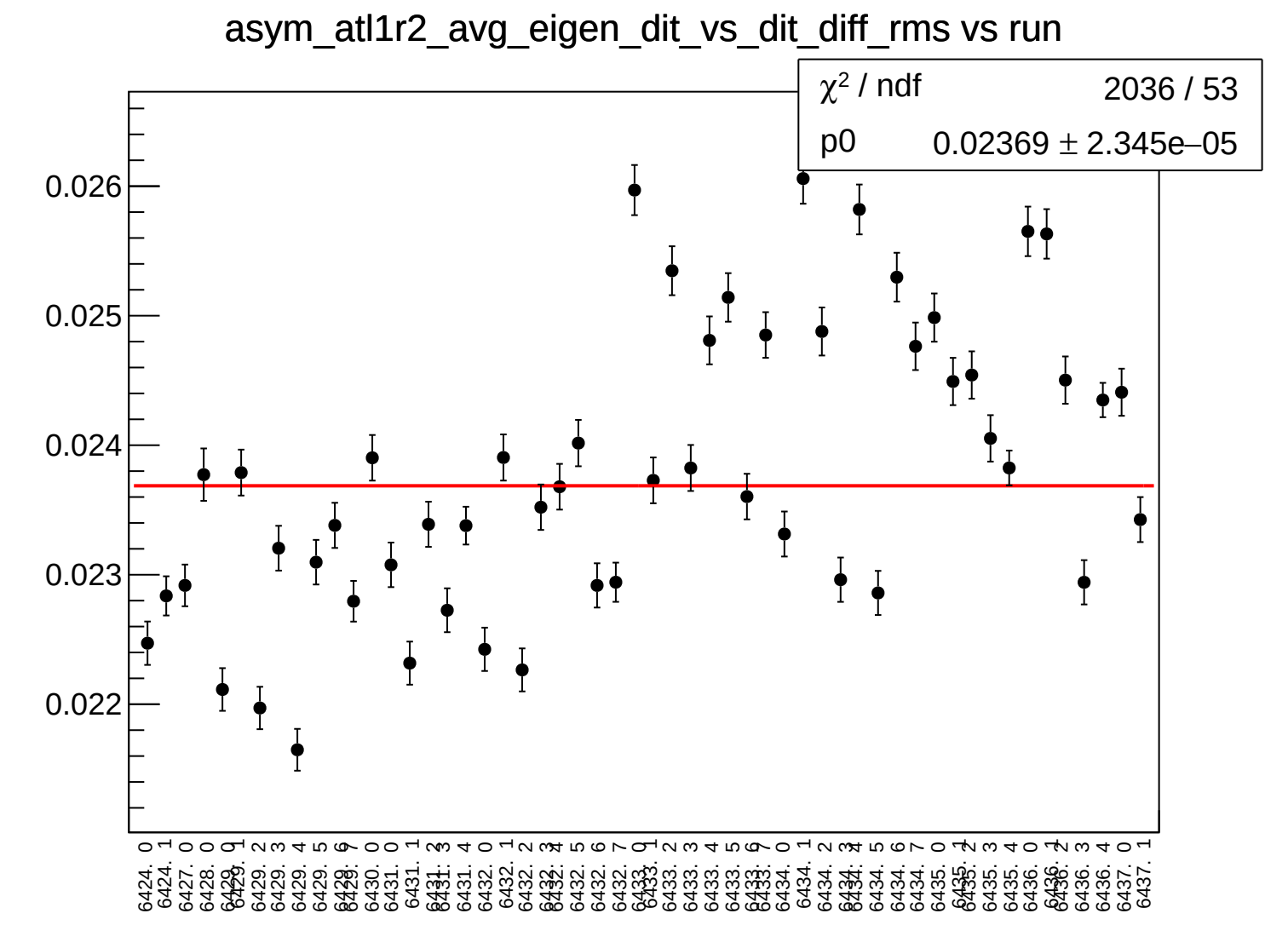

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.18e+04 / 53
p0 247.7 ± 0.2476
650
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

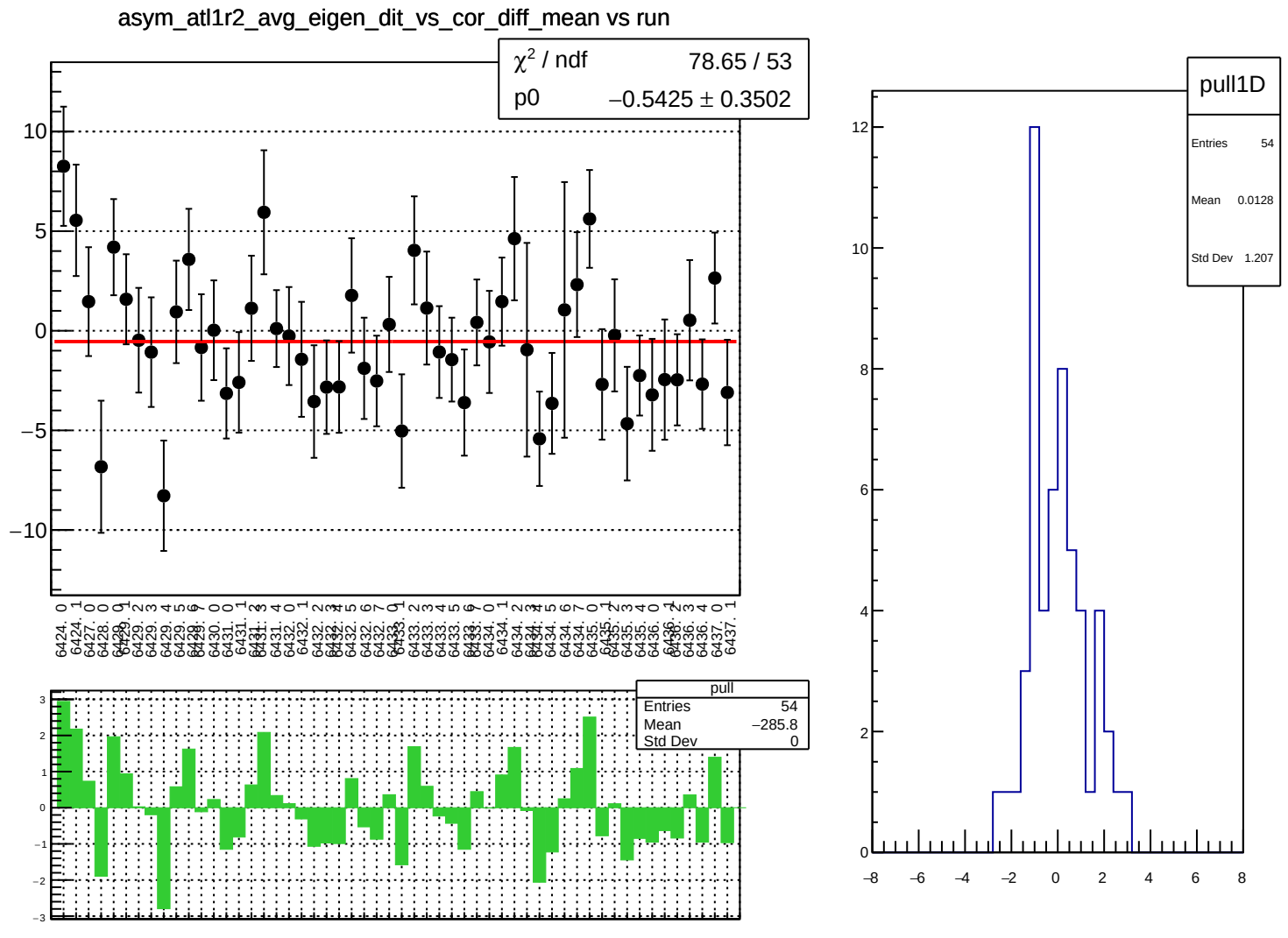

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.65 / 53
p0 −0.5425 ± 0.3502
pull
Entries 54
Mean −285.8
Std Dev 0
pull1D
Entries 54
Mean 0.0128
Std Dev 1.207

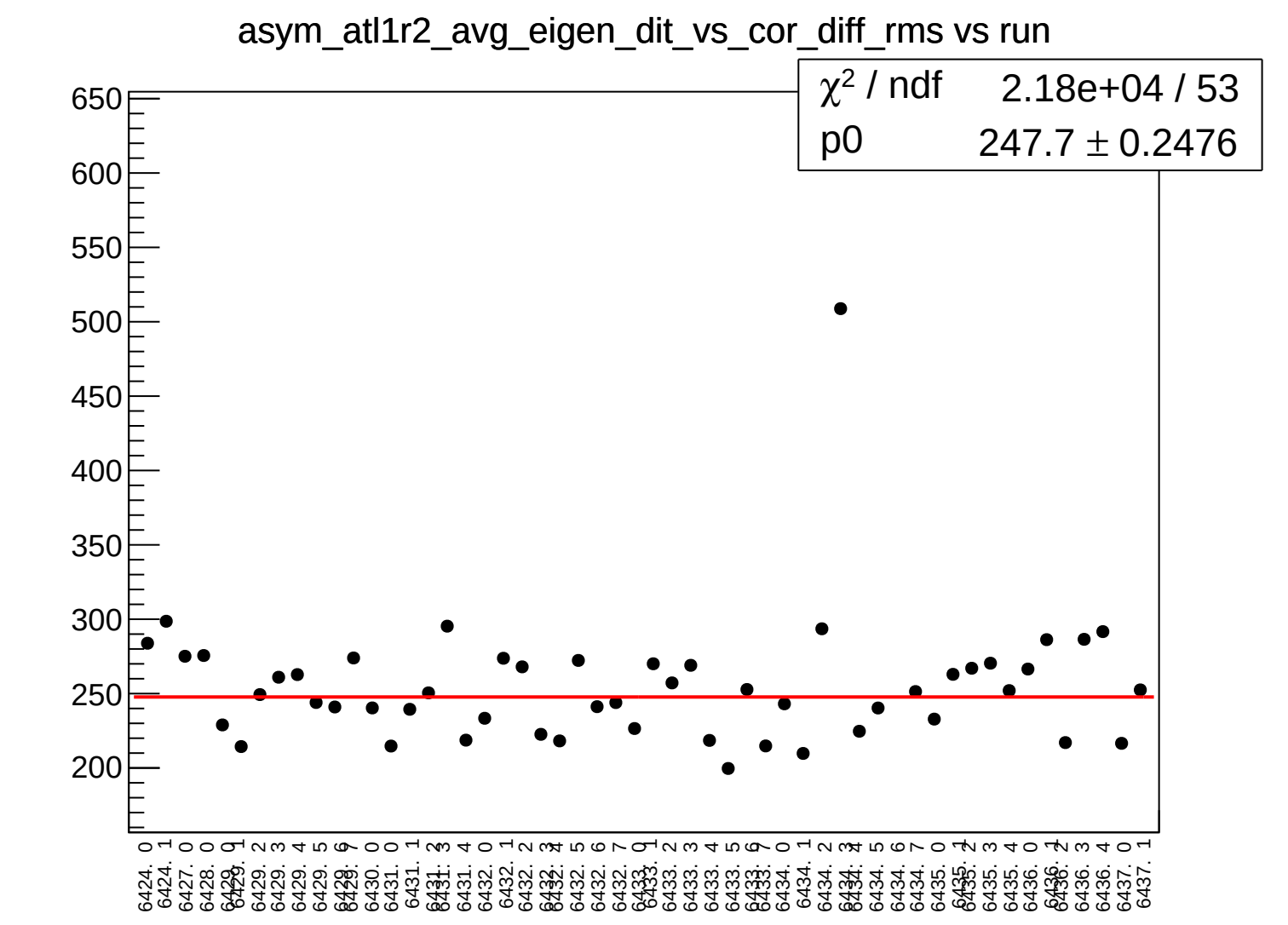

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.18e+04 / 53
p0 247.7 ± 0.2476
650
600
550
500
450
400
350
300
250
200

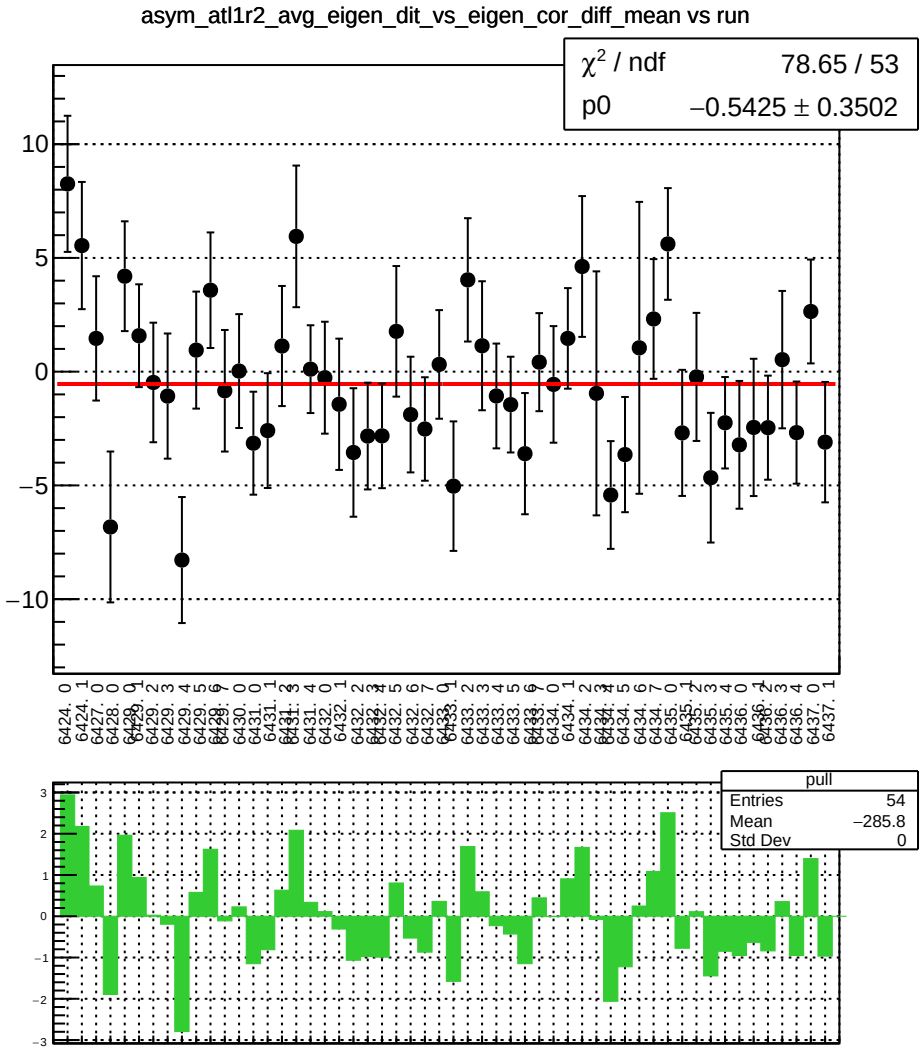

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 68.91 / 53
p0 −2.326e−05 ± 3.316e−05
pull
Entries 54
Mean −25.16
Std Dev 0

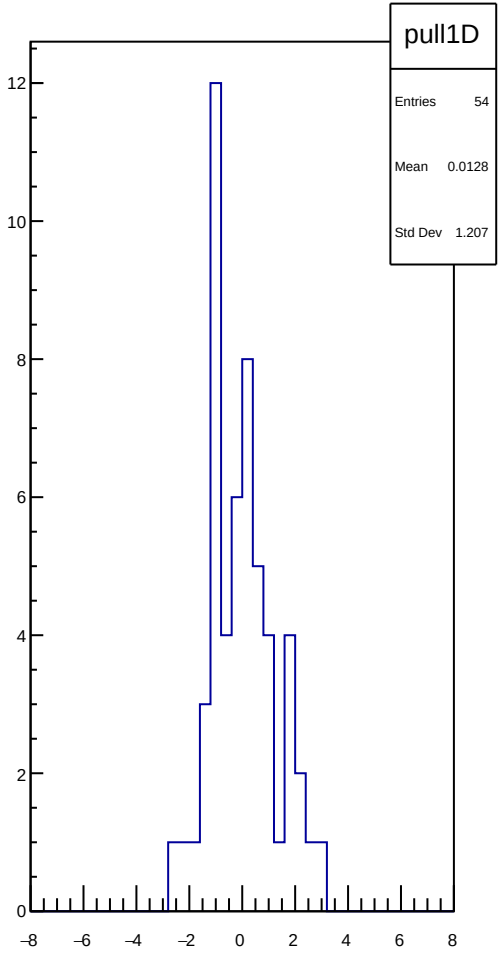

pull1D
Entries 54
Mean −0.009481
Std Dev 1.13

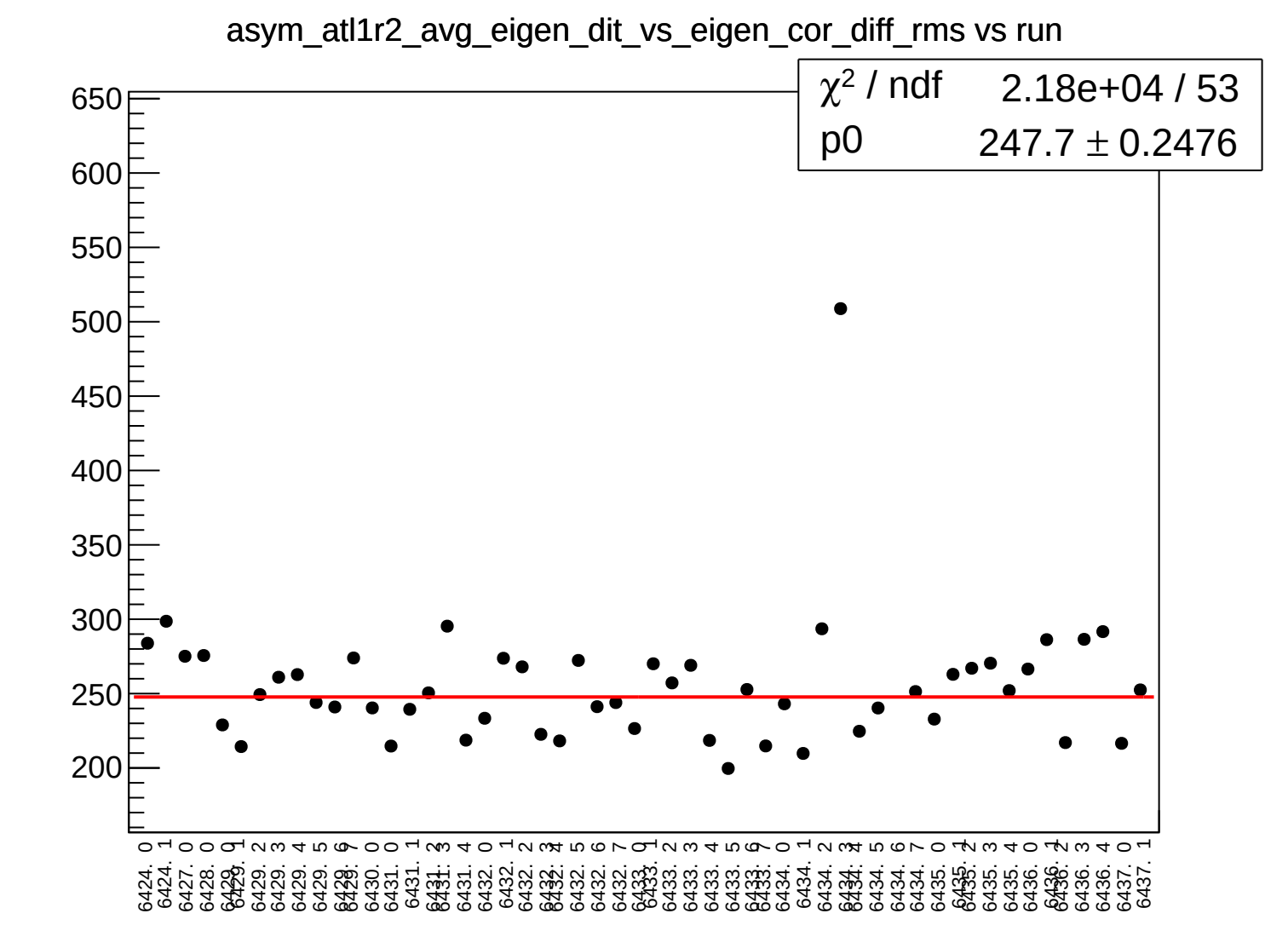

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2036 / 53
p0 0.02369 ± 2.345e−05
0.026
0.025
0.024
0.023
0.022
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.65 / 53
p0 −0.5425 ± 0.3502
pull
Entries 54
Mean −285.8
Std Dev 0
pull1D
Entries 54
Mean 0.0128
Std Dev 1.207


asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.18e+04 / 53
p0 247.7 ± 0.2476
650
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.65 / 53
p0 −0.5425 ± 0.3502
pull
Entries 54
Mean −285.8
Std Dev 0


pull1D
Entries 54
Mean 0.0128
Std Dev 1.207


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.18e+04 / 53
p0 247.7 ± 0.2476
650
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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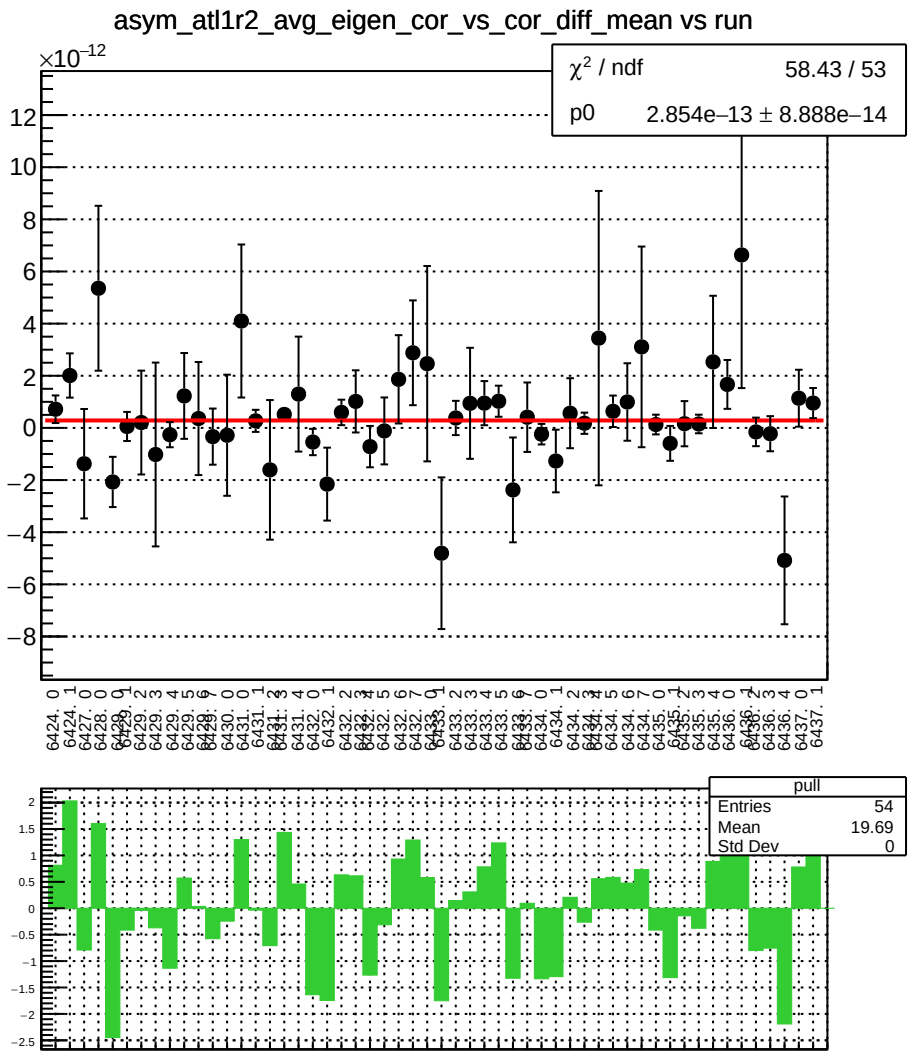
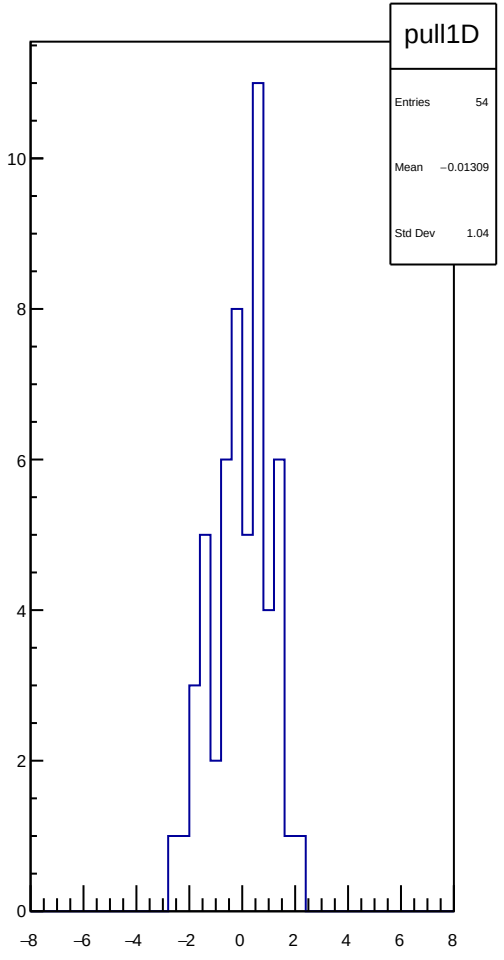
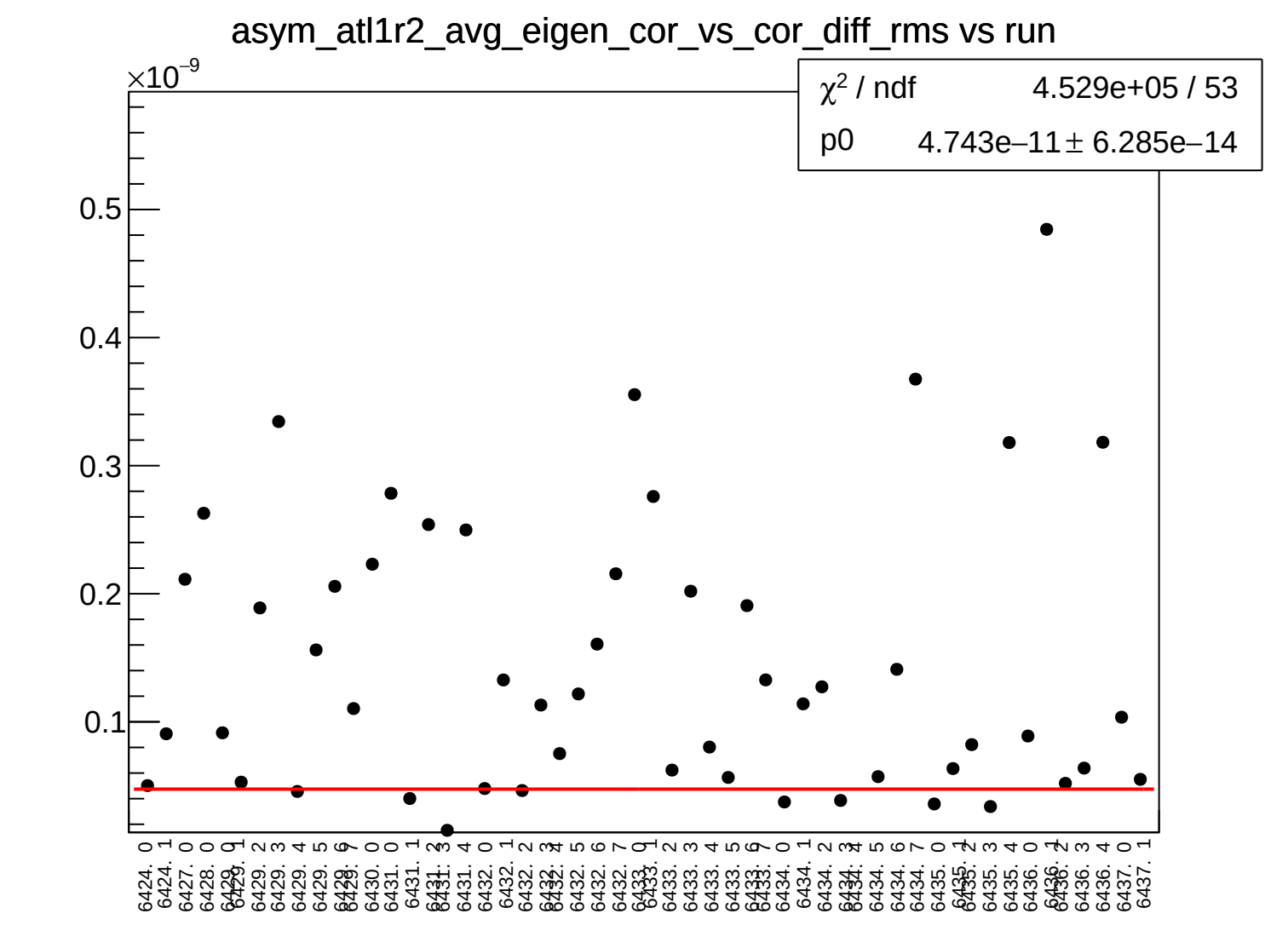
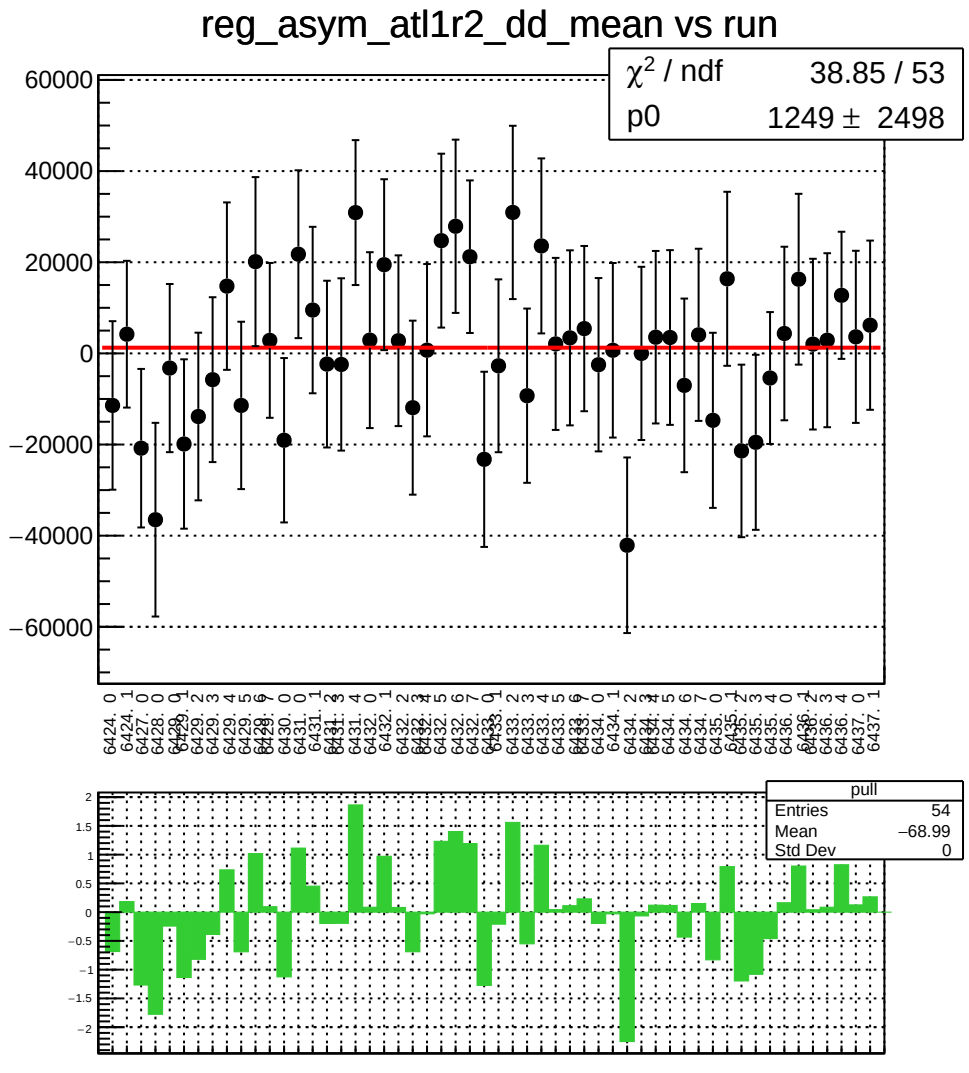
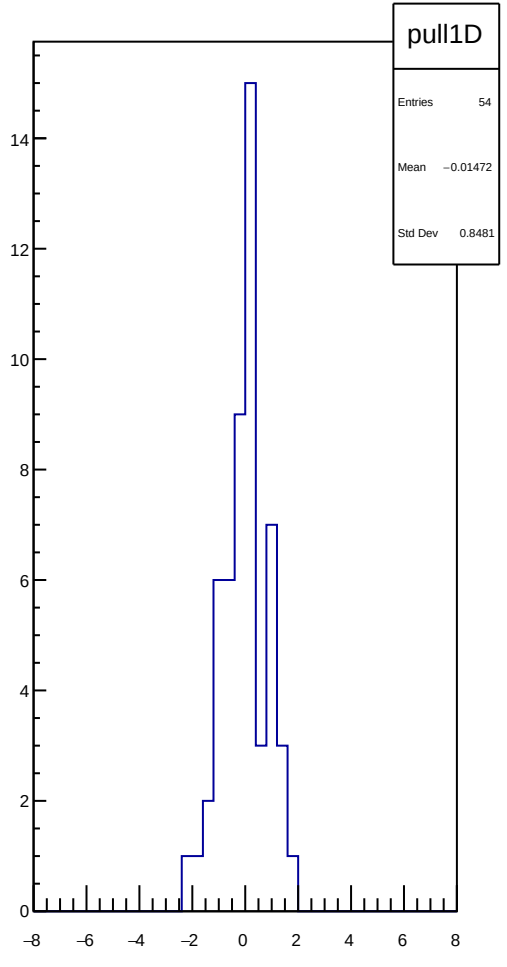
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

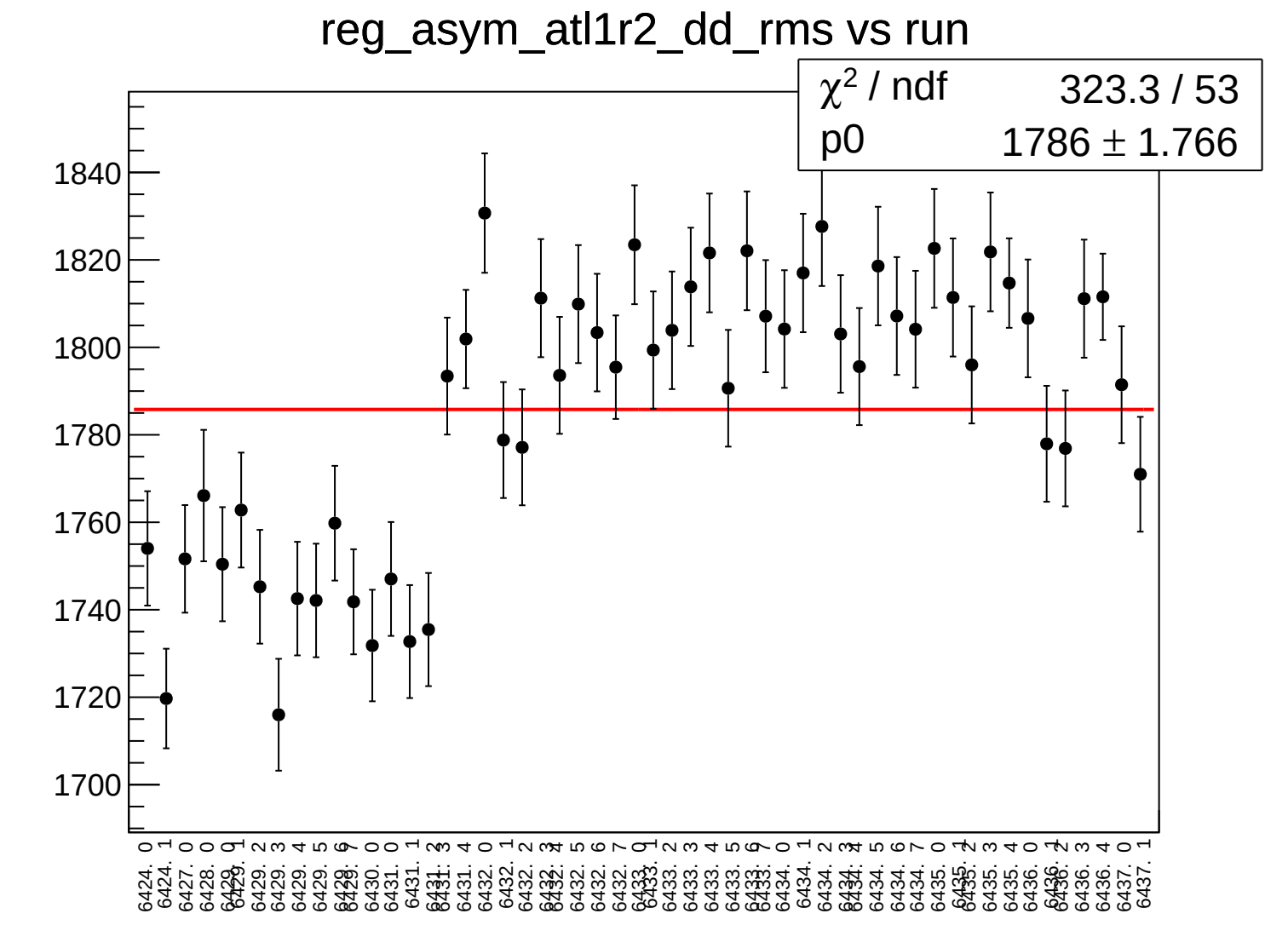

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.43 / 53
p0 2.854e−13 ± 8.888e−14
pull
Entries 54
Mean 19.69
Std Dev 0

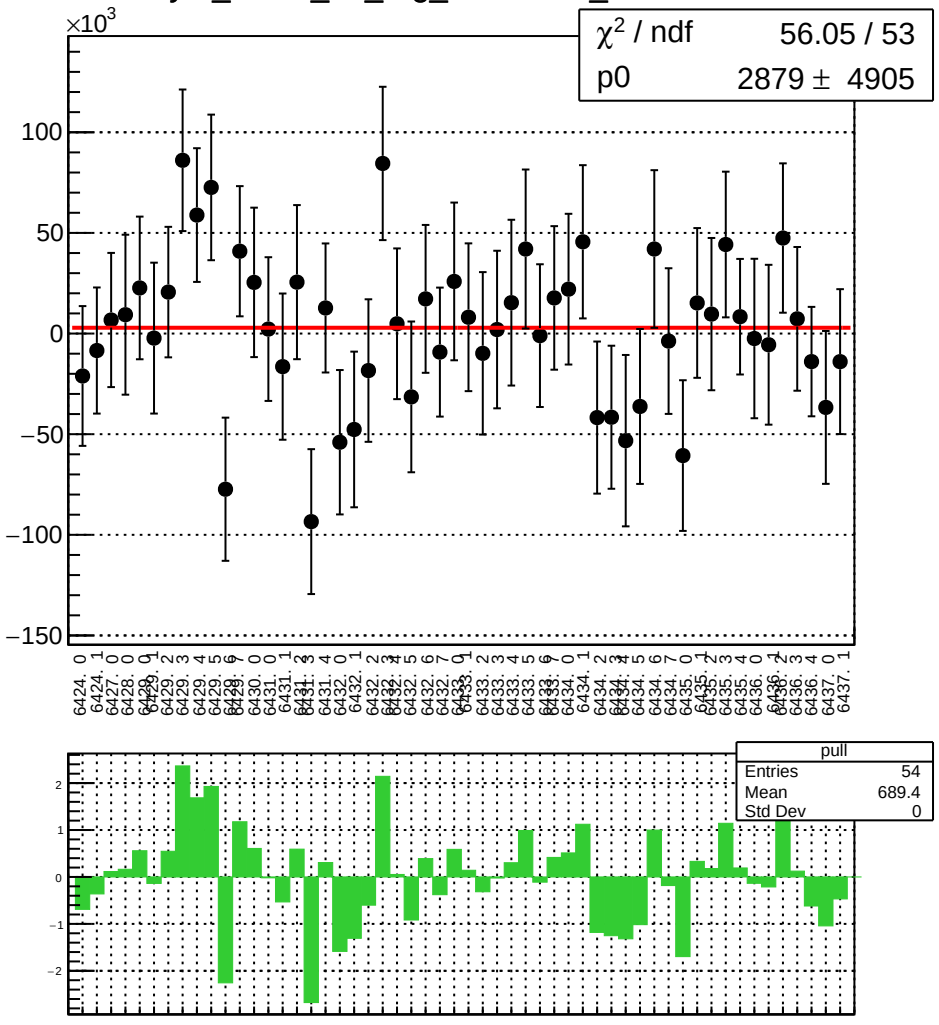

pull1D
Entries 54
Mean −0.01309
Std Dev 1.04

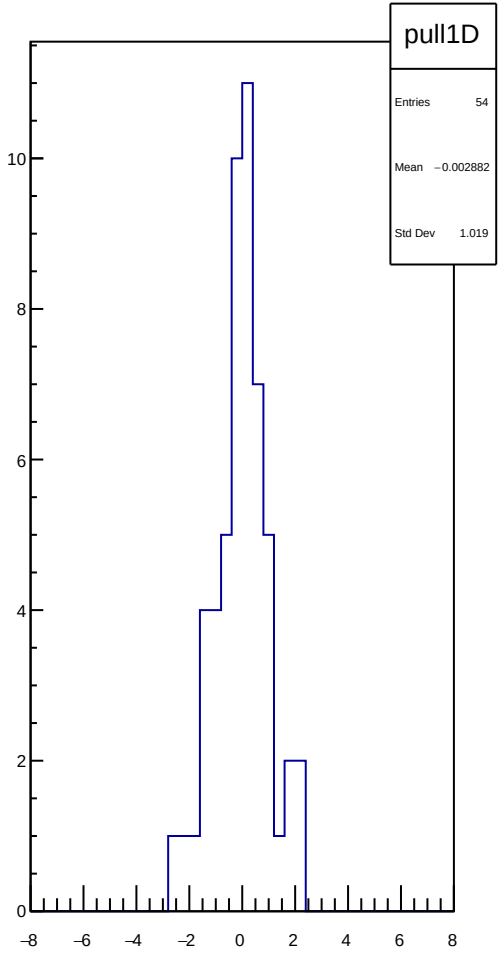

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.529e+05 / 53
p0 4.743e−11 ± 6.285e−14
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

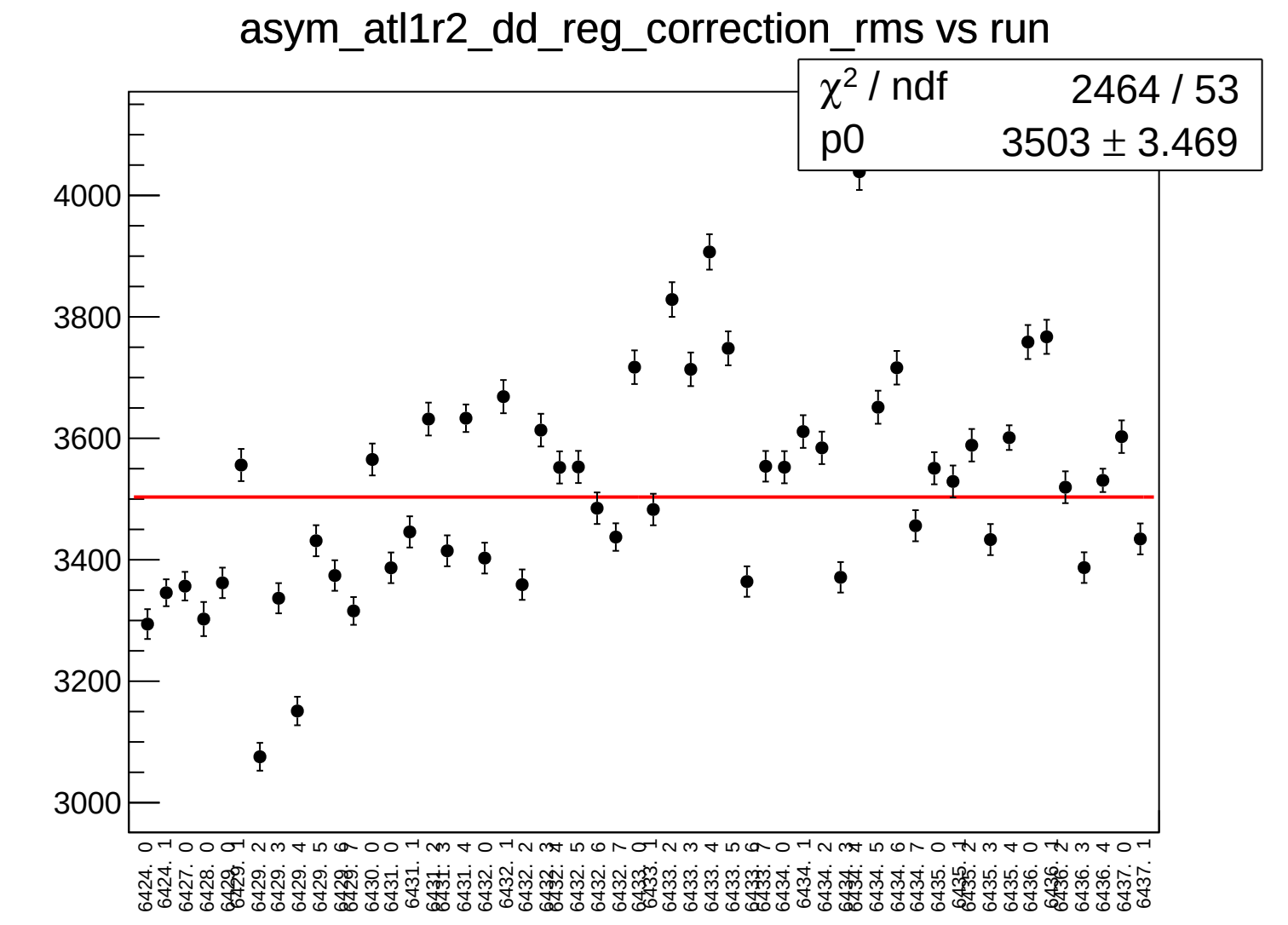

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 38.85 / 53
p0 1249 ± 2498
pull
Entries 54
Mean −68.99
Std Dev 0


pull1D
Entries 54
Mean −0.01472
Std Dev 0.8481


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 323.3 / 53
p0 1786 ± 1.766
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_reg_correction_mean vs run
χ² / ndf 56.05 / 53
p0 2879 ± 4905
pull
Entries 54
Mean 689.4
Std Dev 0


pull1D
Entries 54
Mean −0.002882
Std Dev 1.019


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2464 / 53
p0 3503 ± 3.469
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6434. 0
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6434. 2
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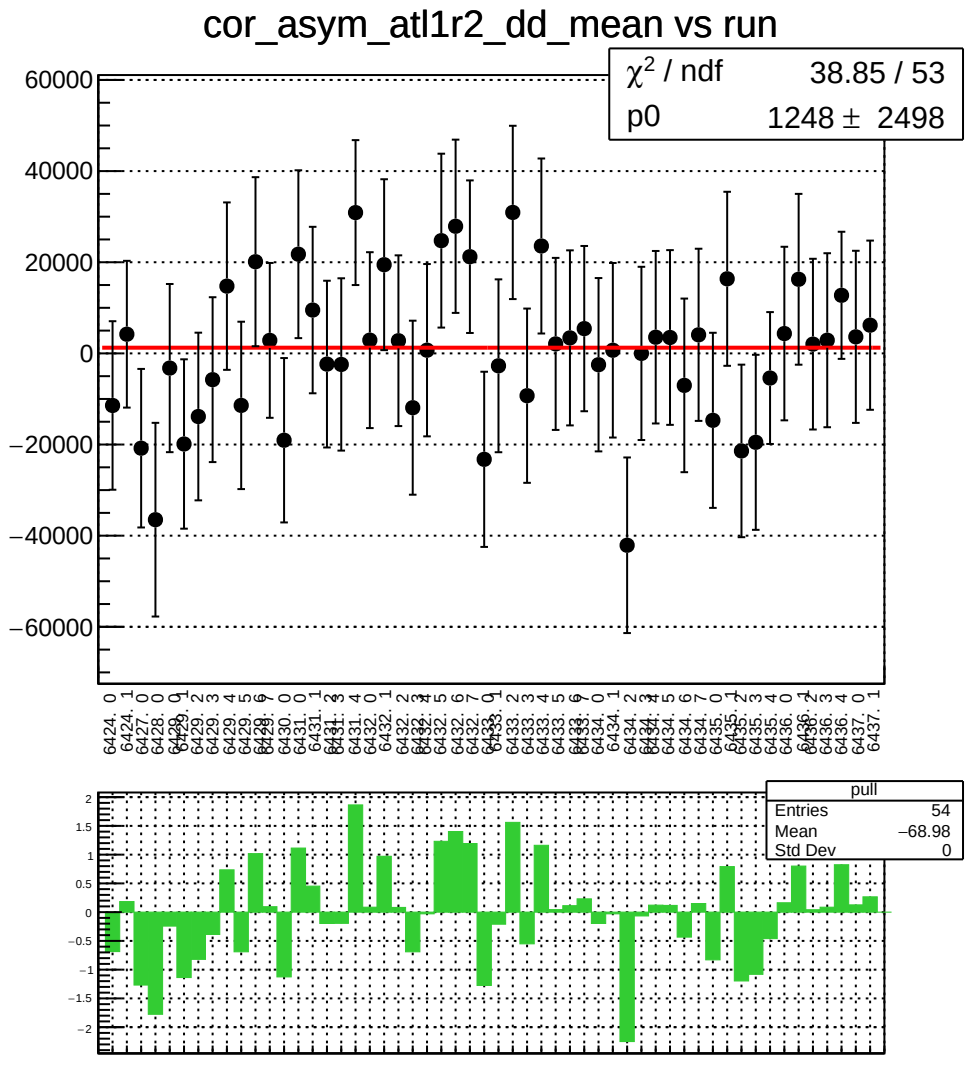
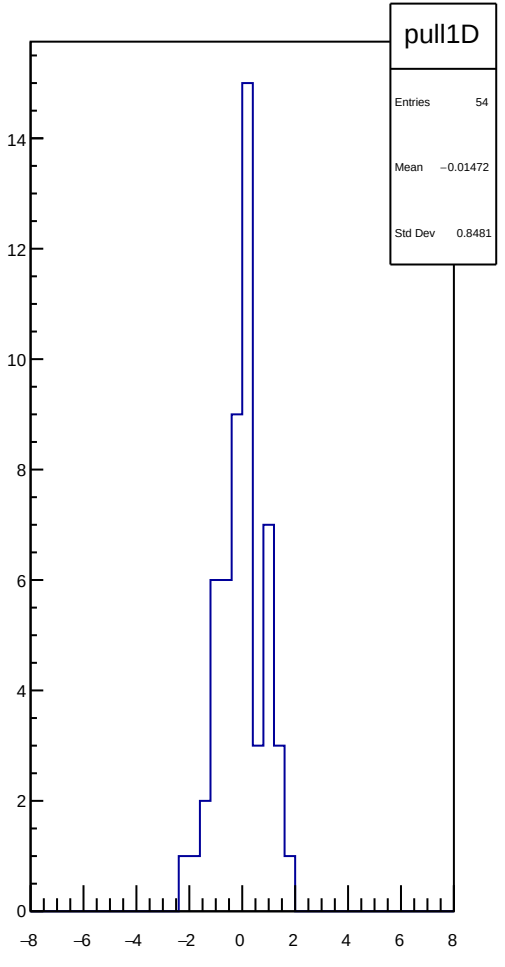
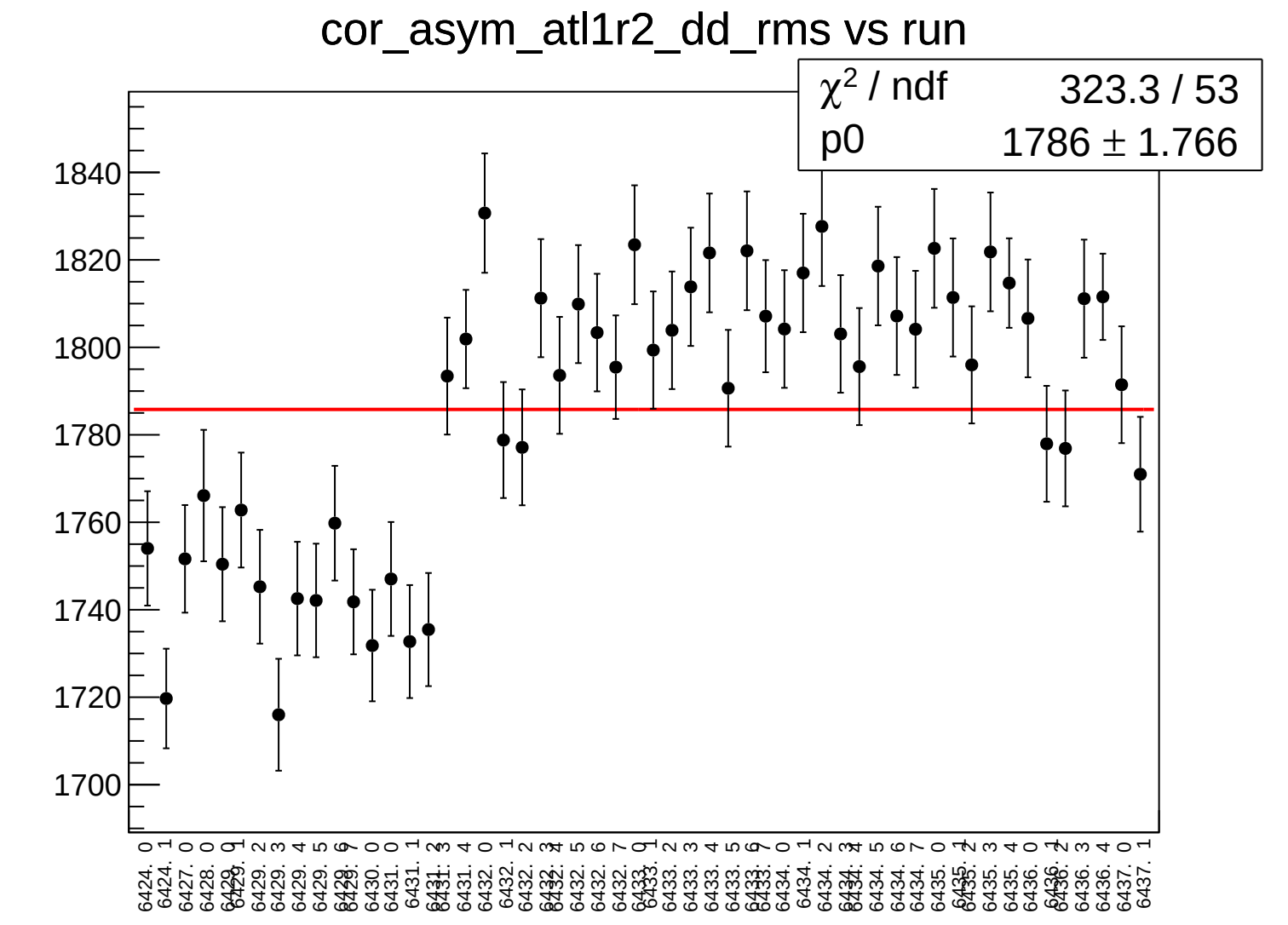
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_atl1r2_dd_mean vs run
χ² / ndf 38.85 / 53
p0 1248 ± 2498
pull
Entries 54
Mean −68.98
Std Dev 0


pull1D
Entries 54
Mean −0.01472
Std Dev 0.8481


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 323.3 / 53
p0 1786 ± 1.766
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
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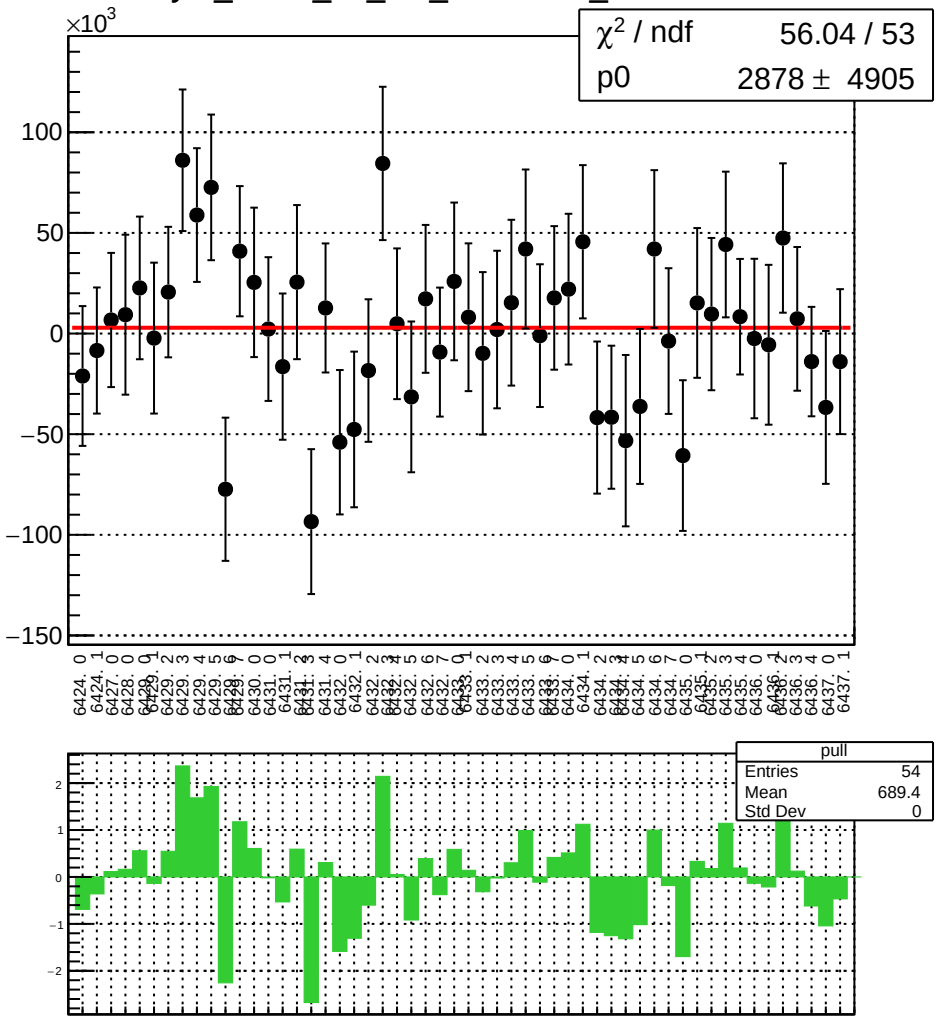
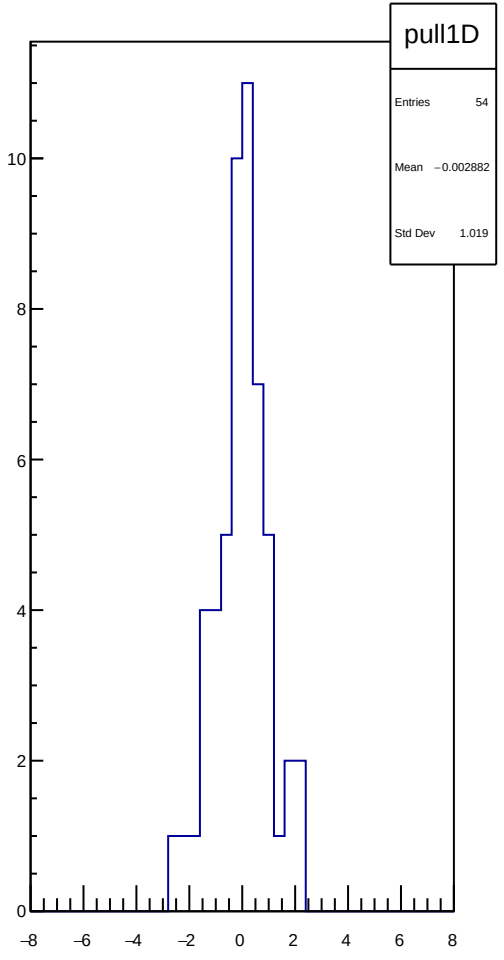
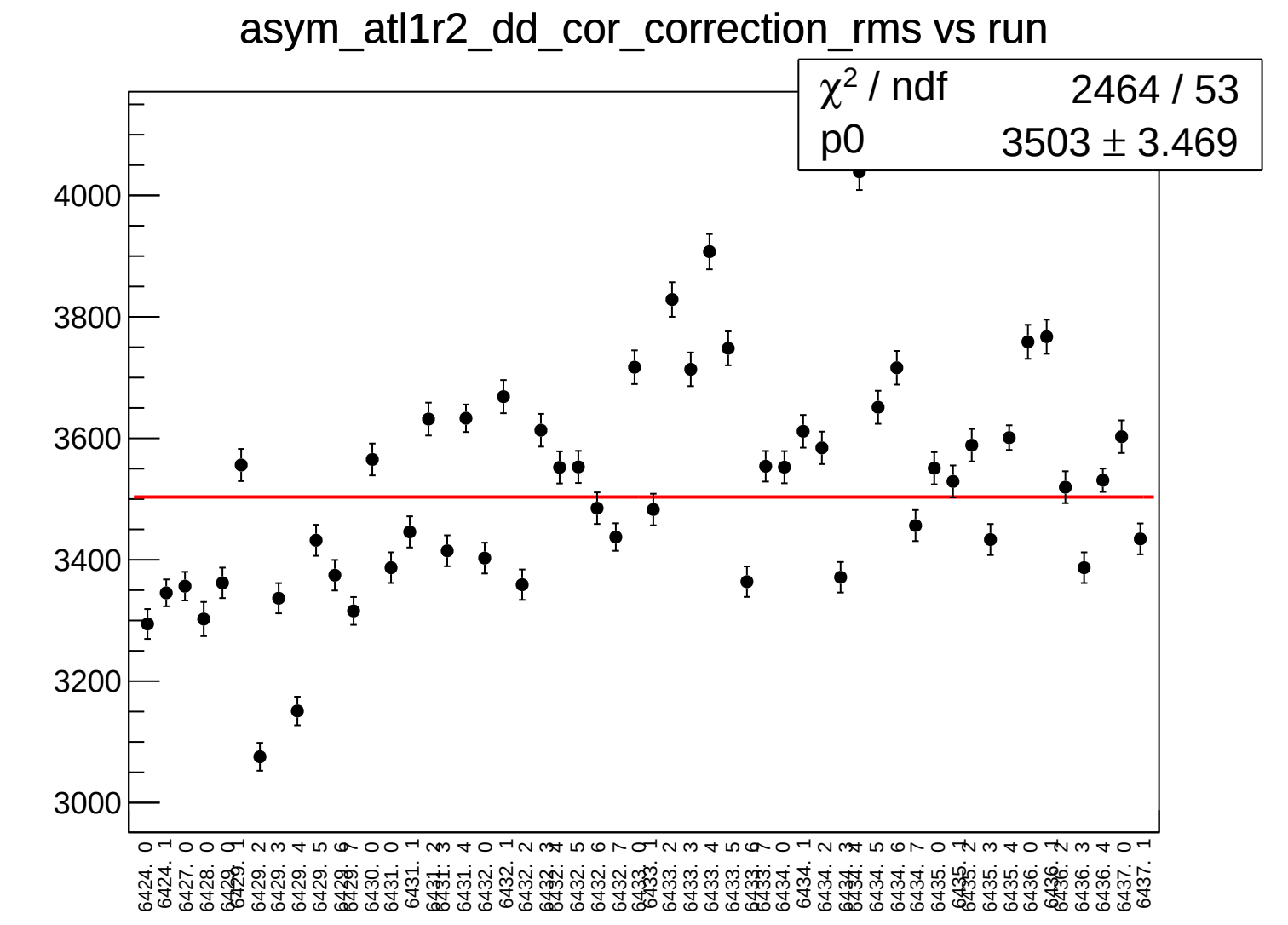
6437. 0
6437. 1


asym_atl1r2_dd_cor_correction_mean vs run
χ² / ndf 56.04 / 53
p0 2878 ± 4905
pull
Entries 54
Mean 689.4
Std Dev 0


pull1D
Entries 54
Mean −0.002882
Std Dev 1.019


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2464 / 53
p0 3503 ± 3.469
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 3
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6435. 0
6435. 3
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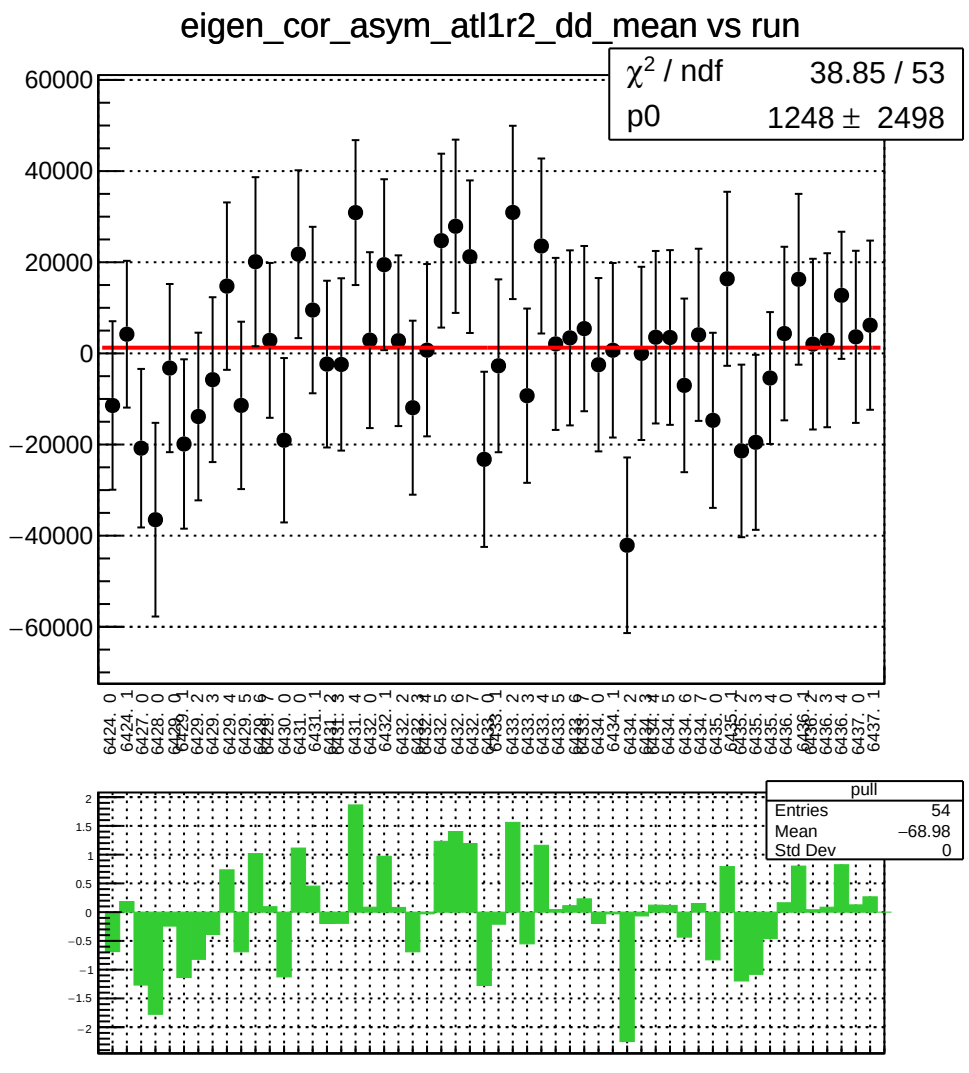
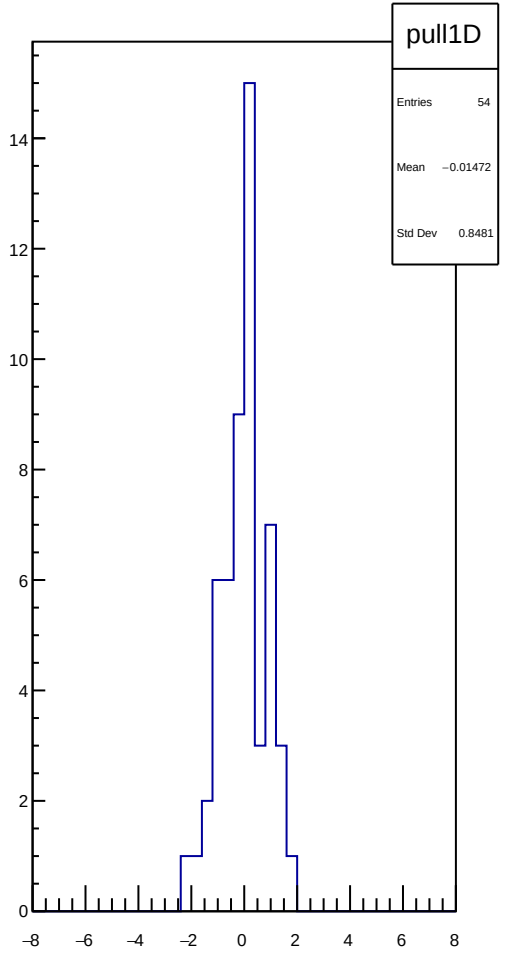
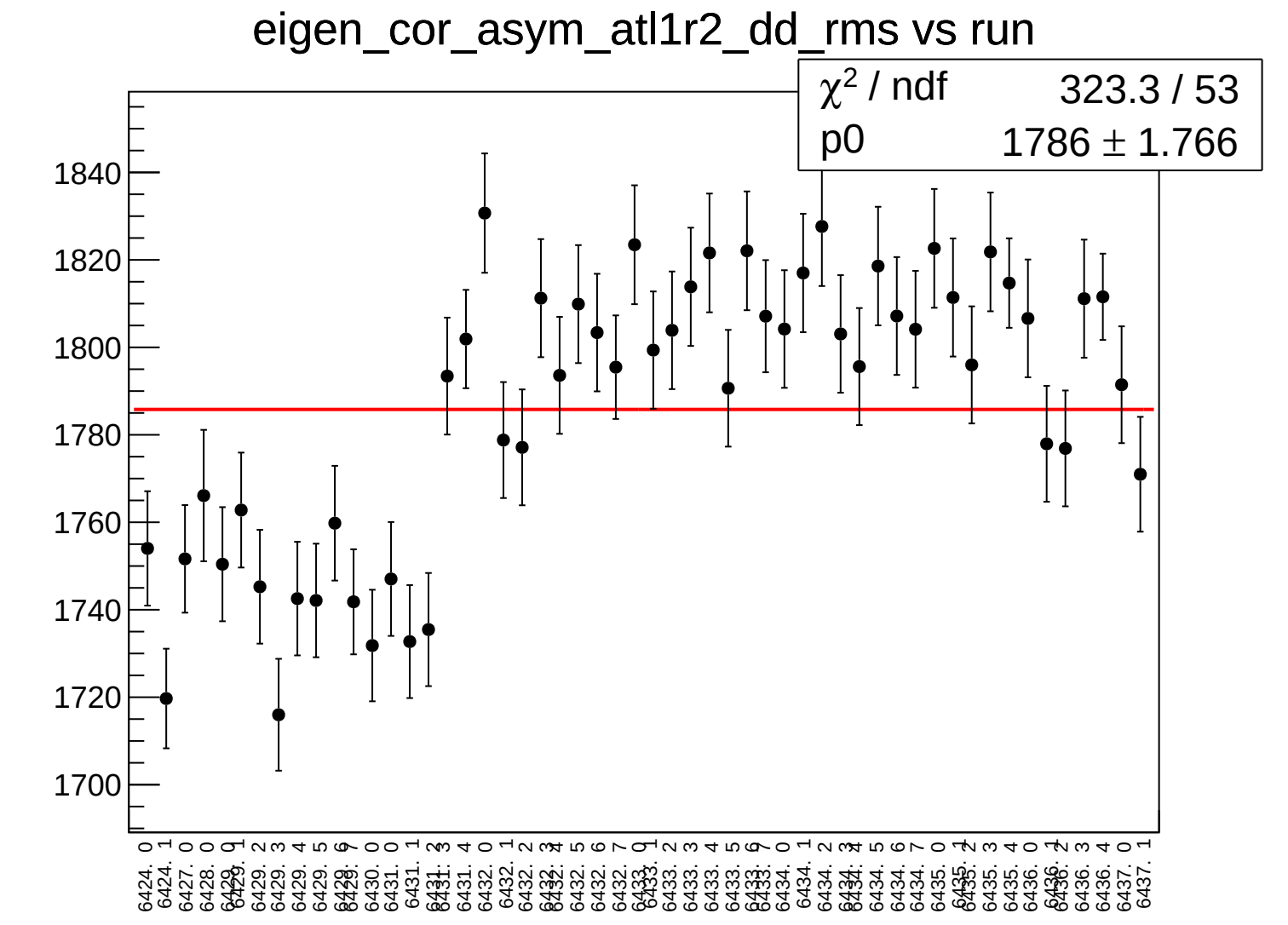
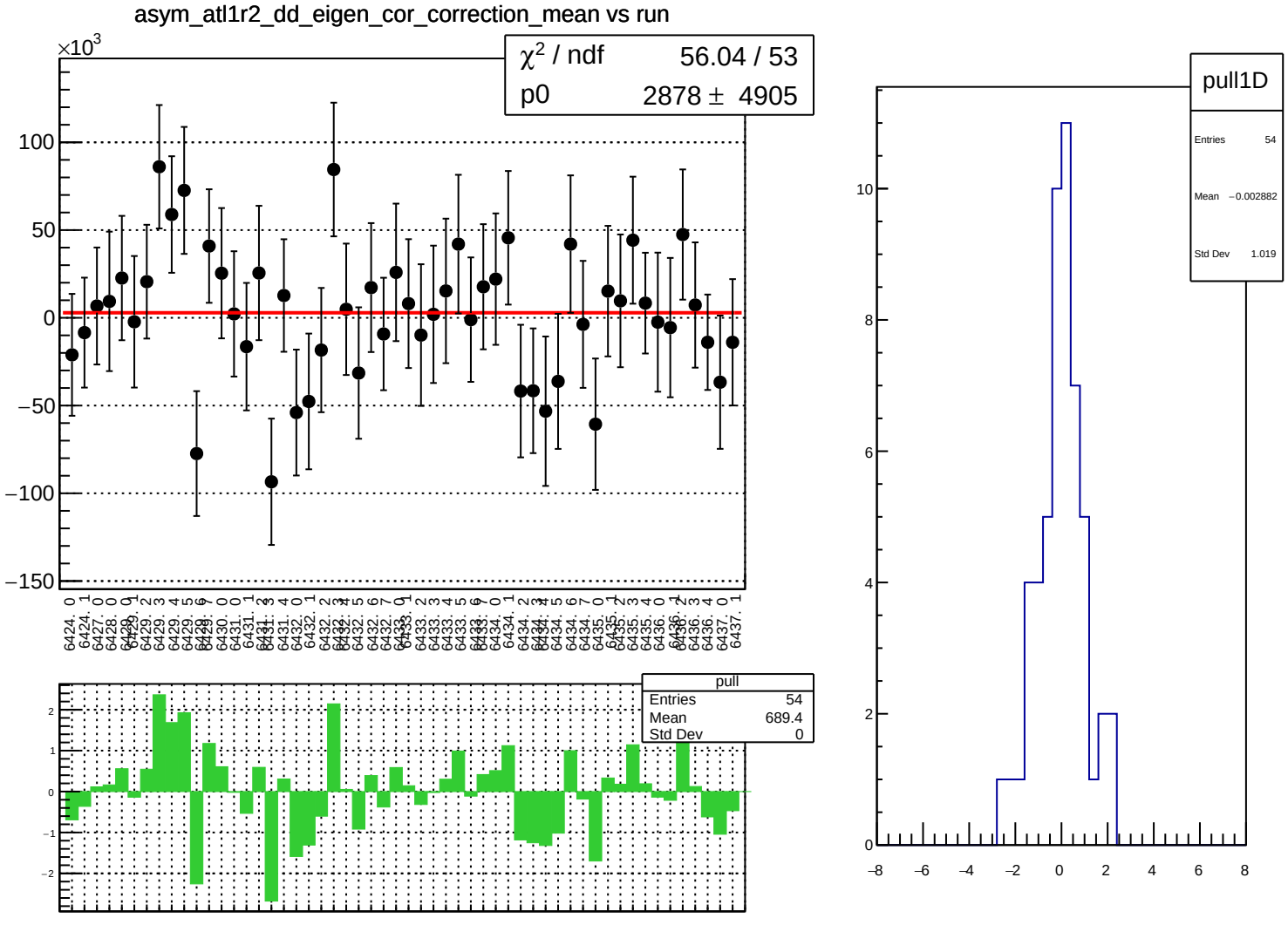
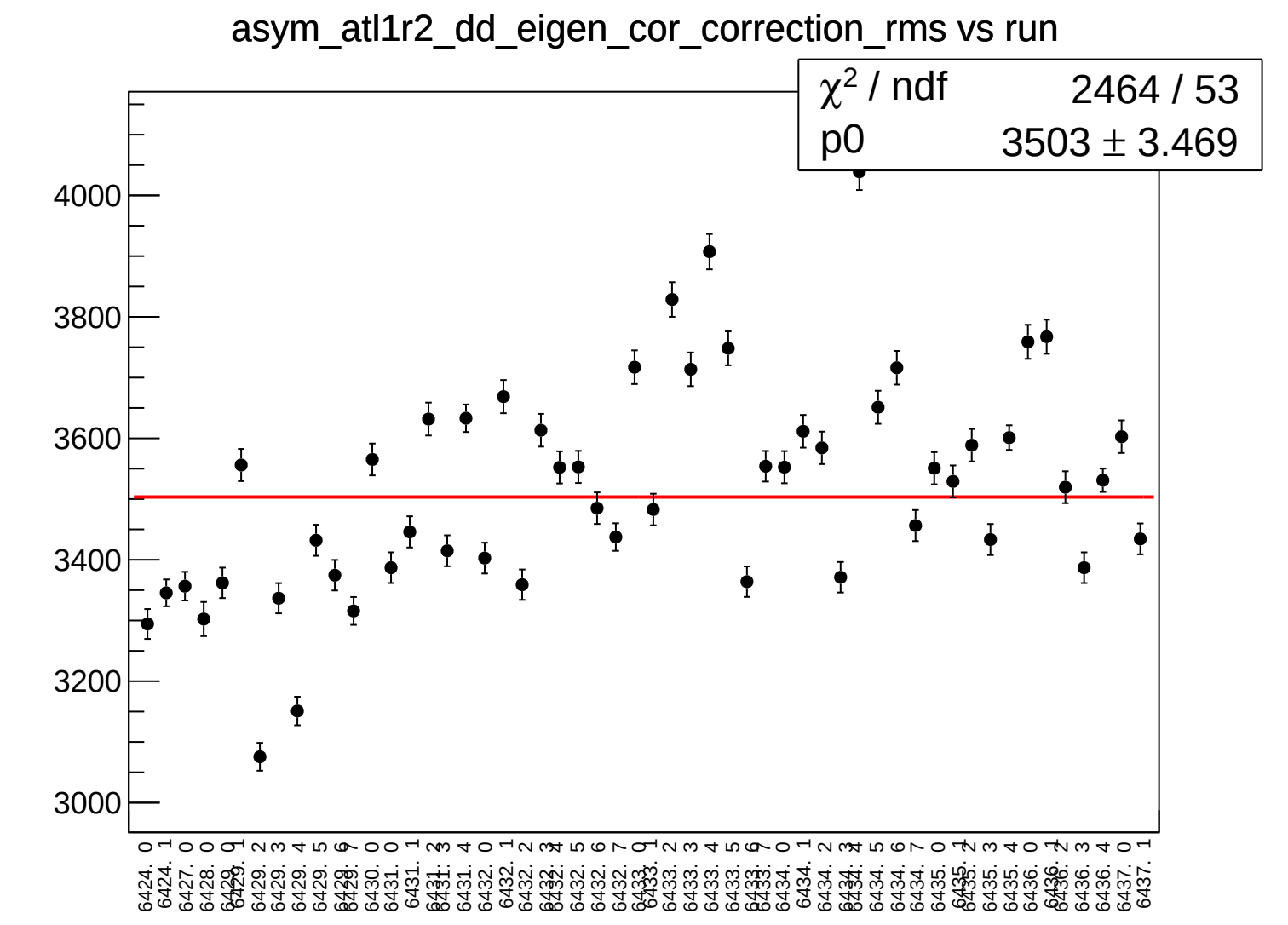
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

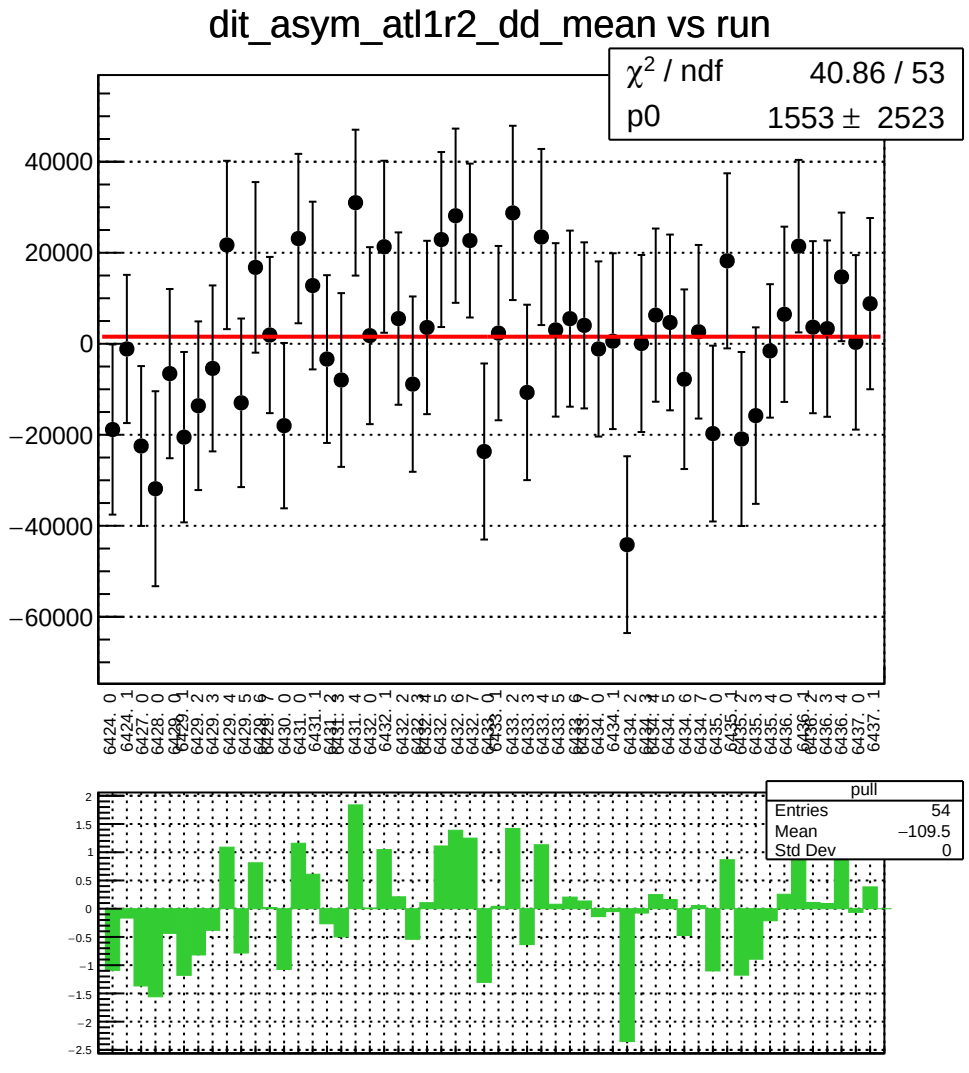

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 38.85 / 53
p0 1248 ± 2498
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −68.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

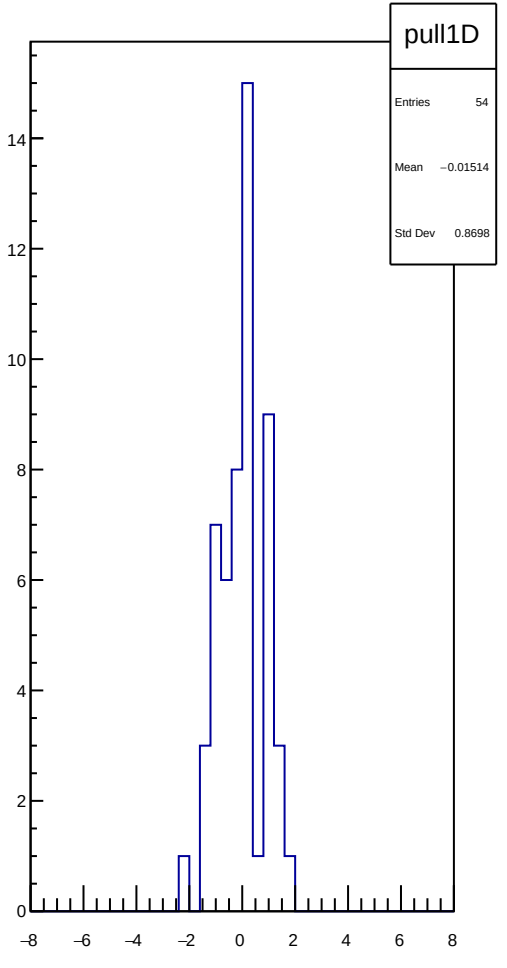

pull1D
Entries 54
Mean −0.01472
Std Dev 0.8481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

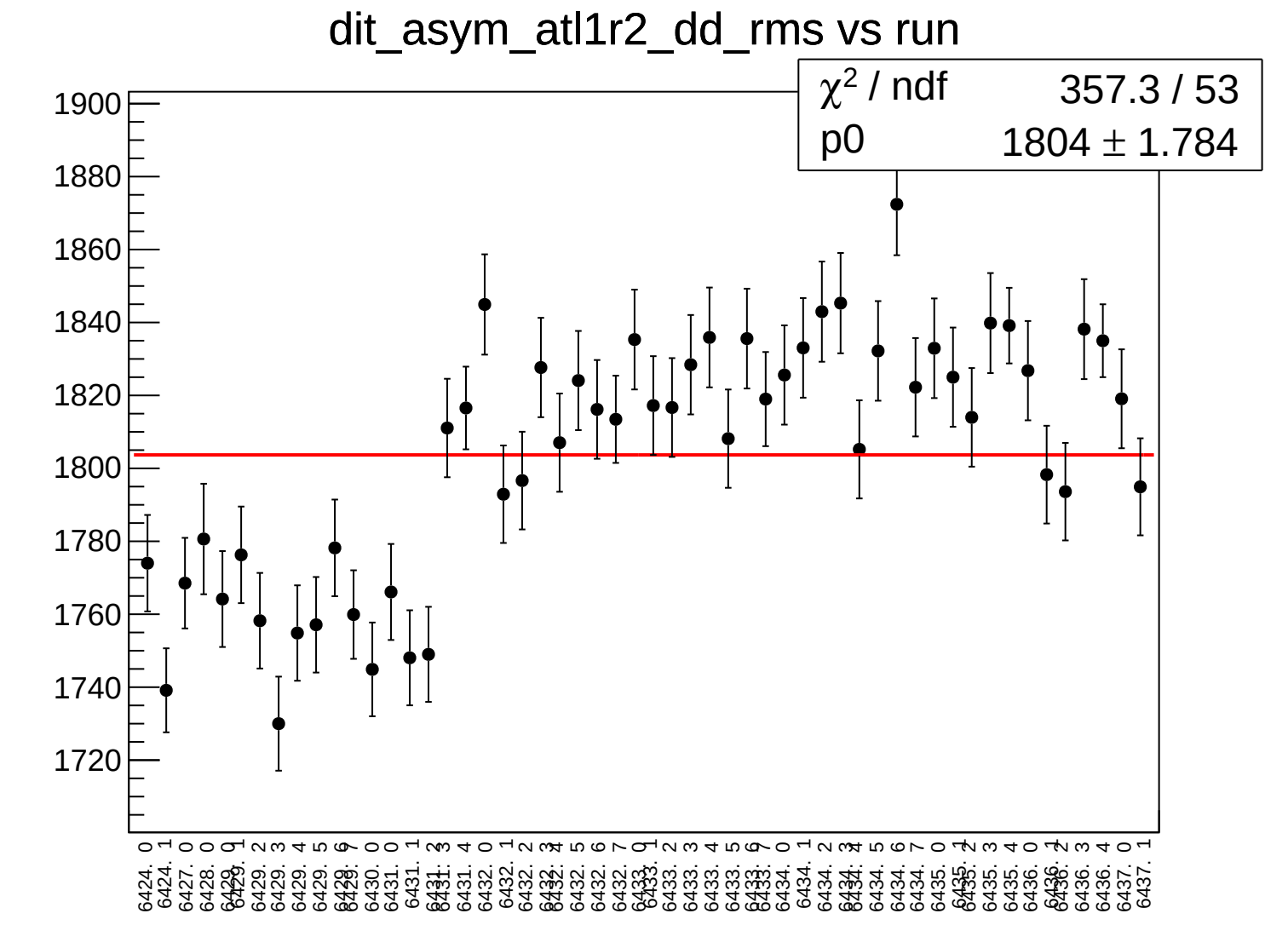

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 323.3 / 53
p0 1786 ± 1.766
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

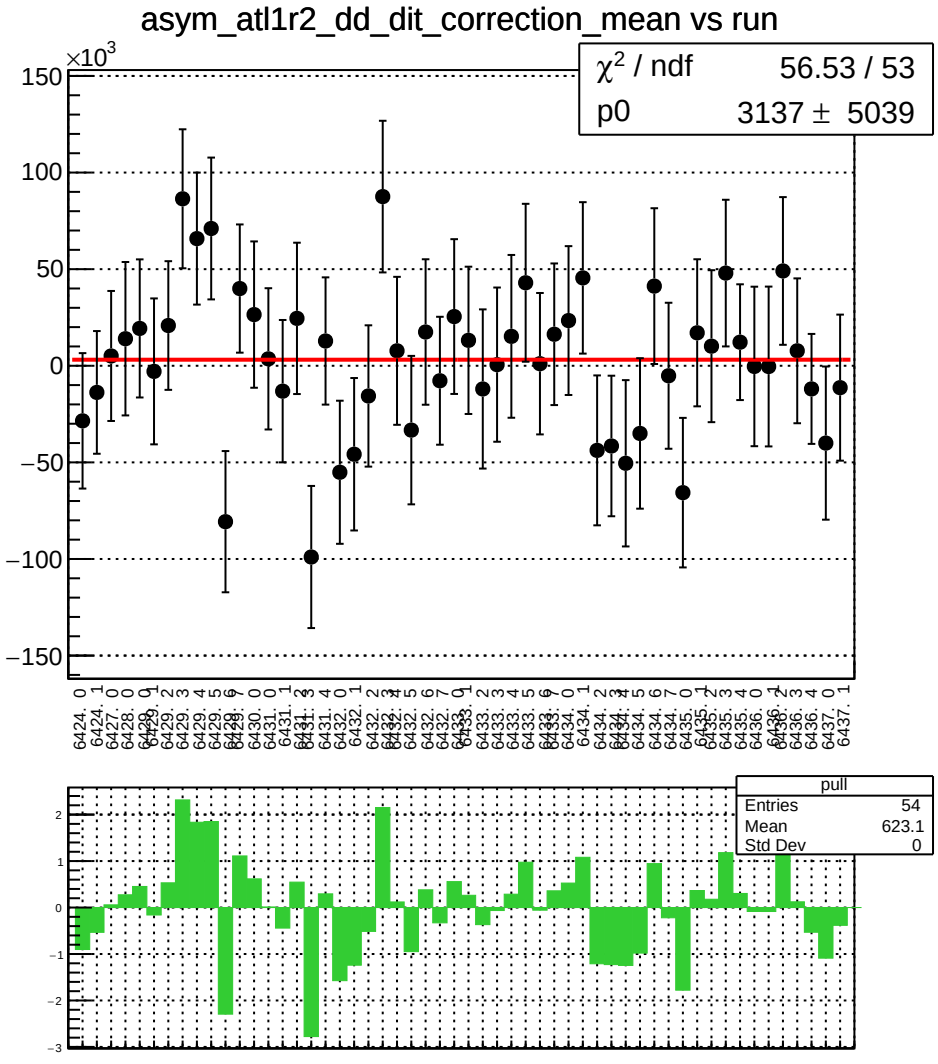

asym_atl1r2_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.04 / 53
p0 2878 ± 4905
pull
Entries 54
Mean 689.4
Std Dev 0
pull1D
Entries 54
Mean −0.002882
Std Dev 1.019

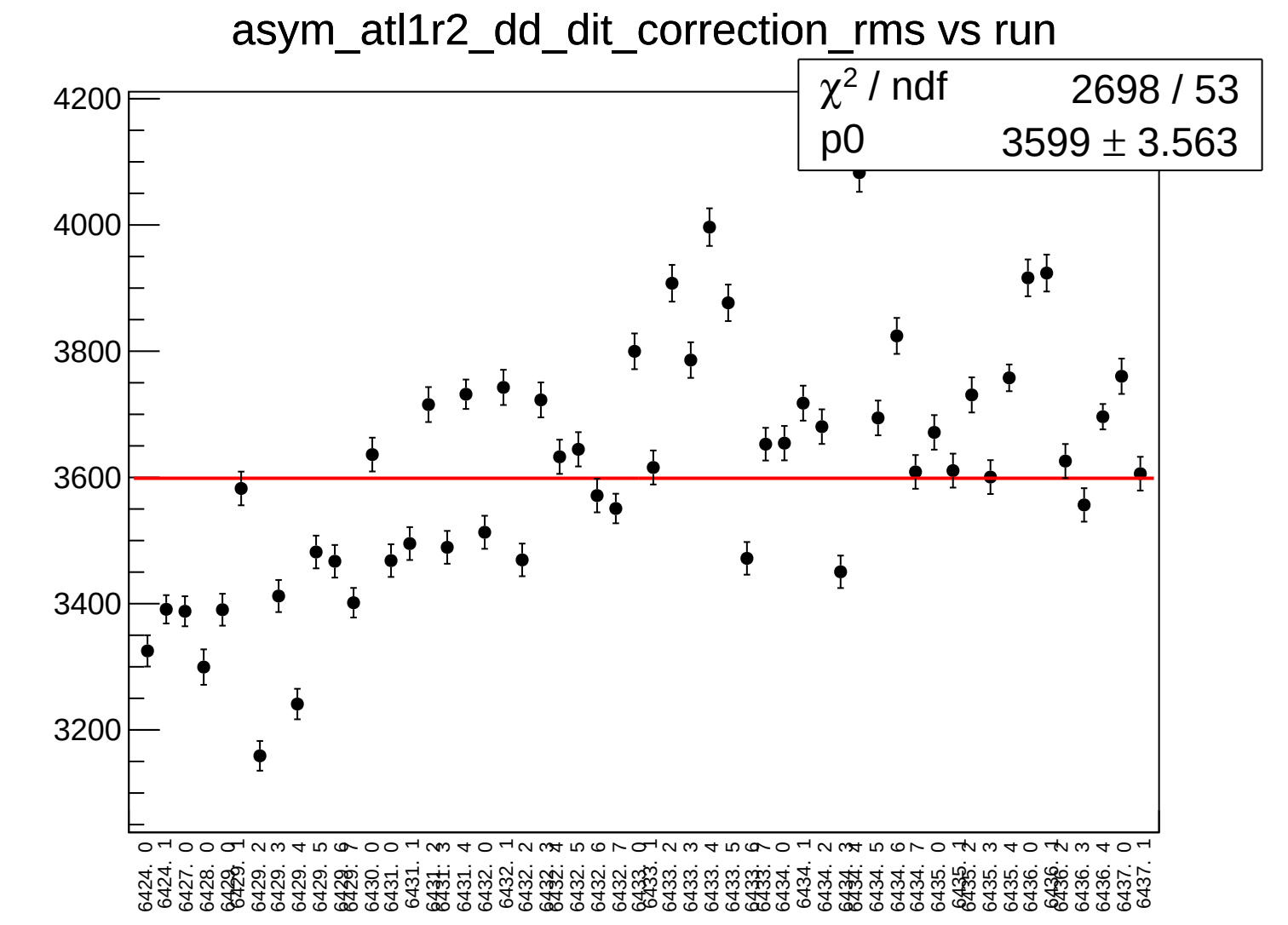

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2464 / 53
p0 3503 ± 3.469
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

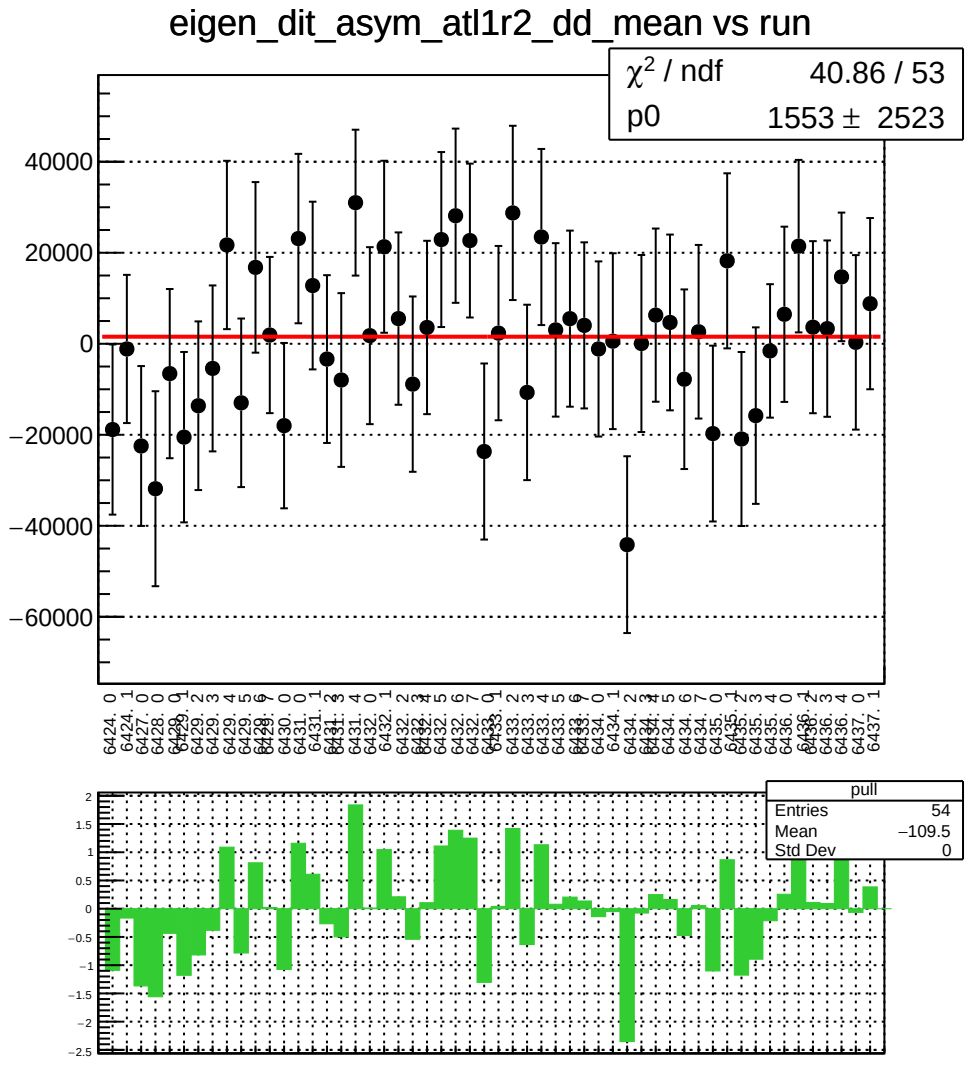

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 40.86 / 53
p0 1553 ± 2523
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −109.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

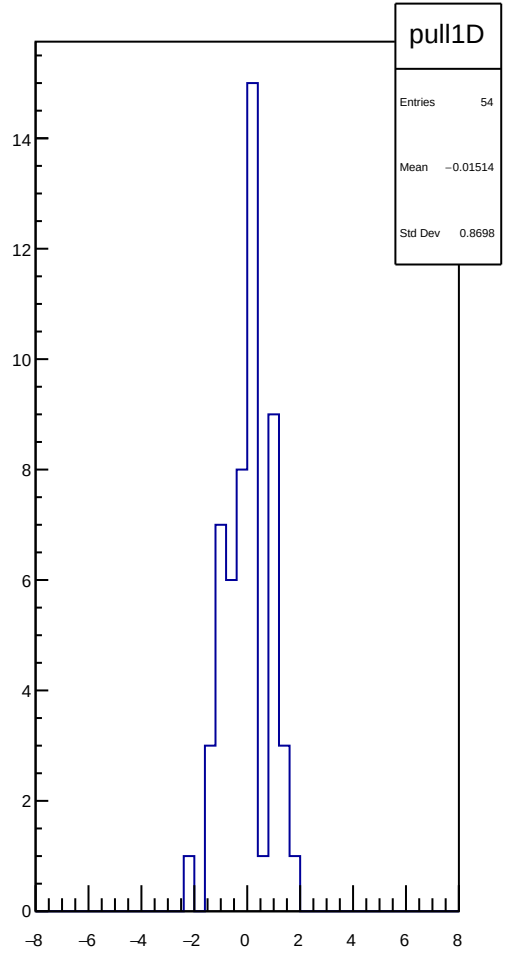

pull1D
Entries 54
Mean −0.01514
Std Dev 0.8698
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

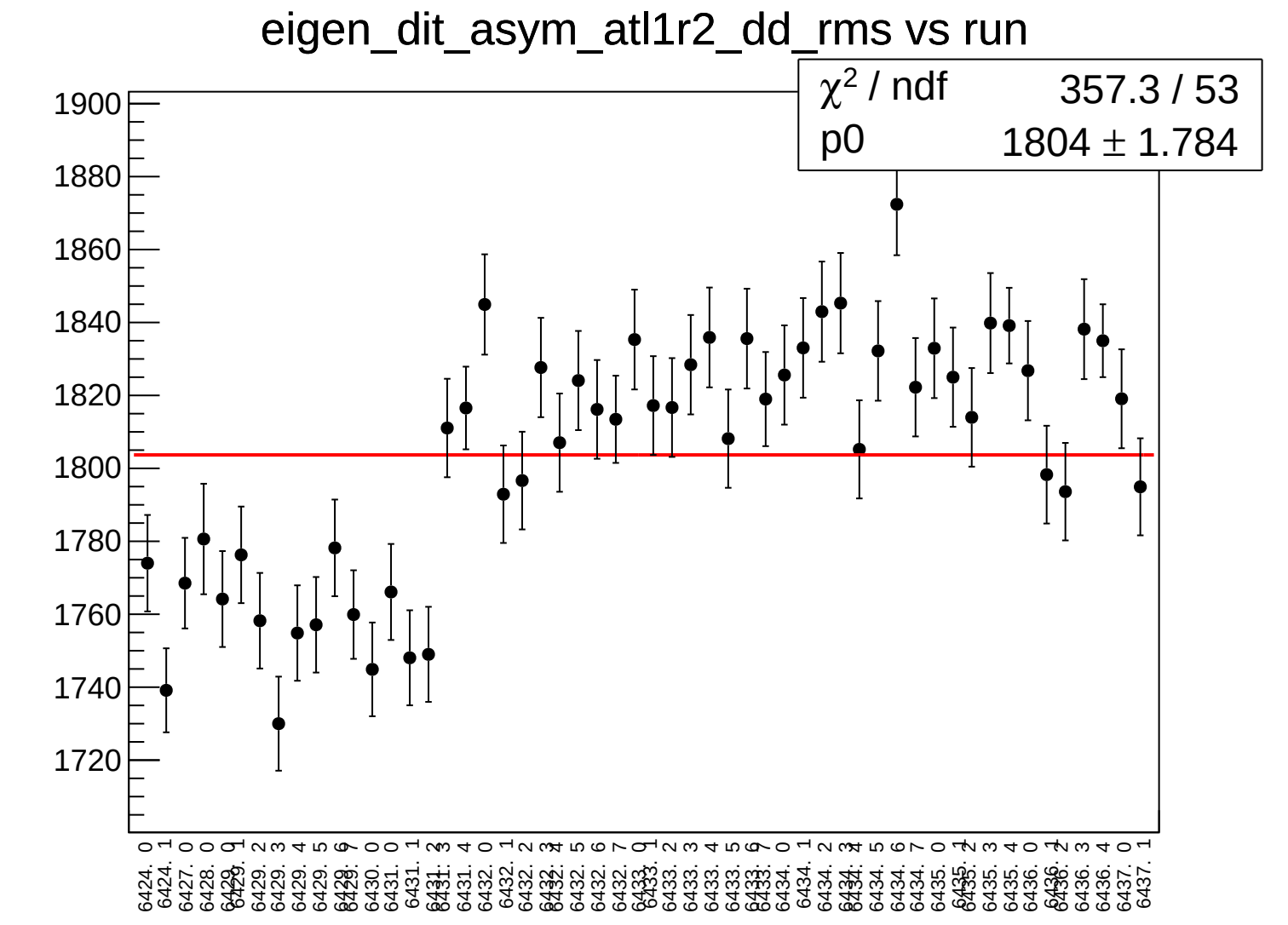

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 357.3 / 53
p0 1804 ± 1.784
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

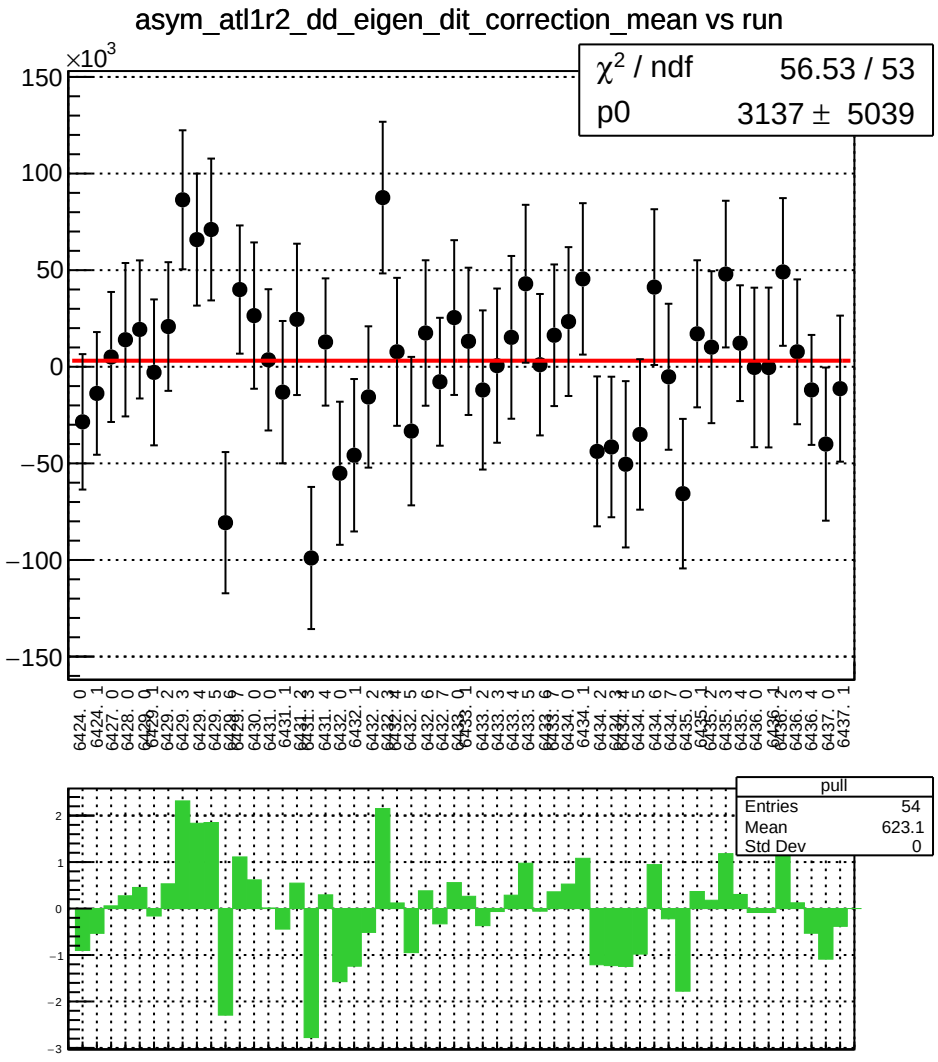

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.53 / 53
p0 3137 ± 5039
pull
Entries 54
Mean 623.1
Std Dev 0
pull1D
Entries 54
Mean −0.00257
Std Dev 1.023

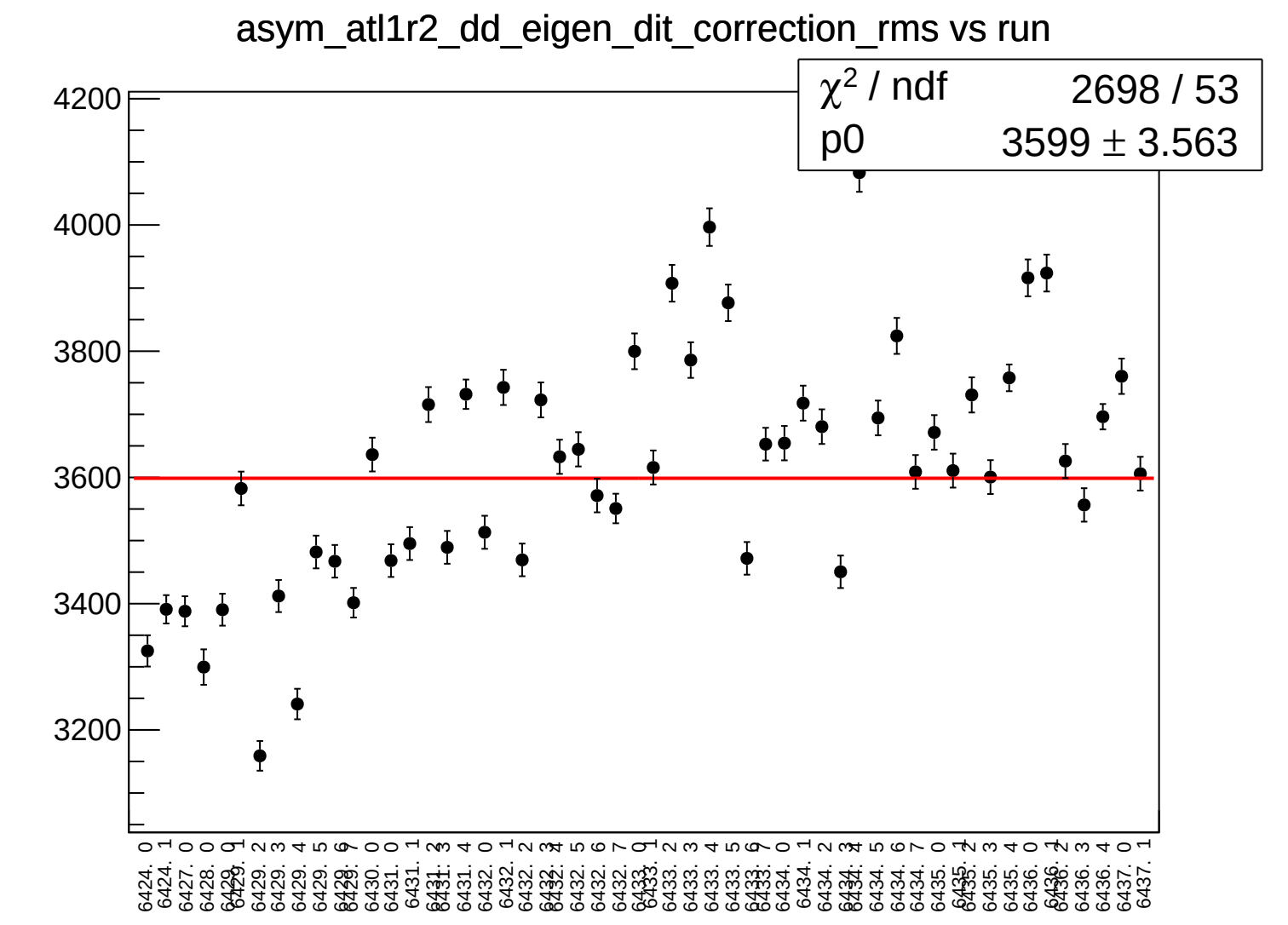

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 2698 / 53
p0 3599 ± 3.563
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 40.86 / 53
p0 1553 ± 2523
pull
Entries 54
Mean −109.5
Std Dev 0


pull1D
Entries 54
Mean −0.01514
Std Dev 0.8698


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 357.3 / 53
p0 1804 ± 1.784
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.53 / 53
p0 3137 ± 5039
pull
Entries 54
Mean 623.1
Std Dev 0
pull1D
Entries 54
Mean −0.00257
Std Dev 1.023


asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2698 / 53
p0 3599 ± 3.563
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
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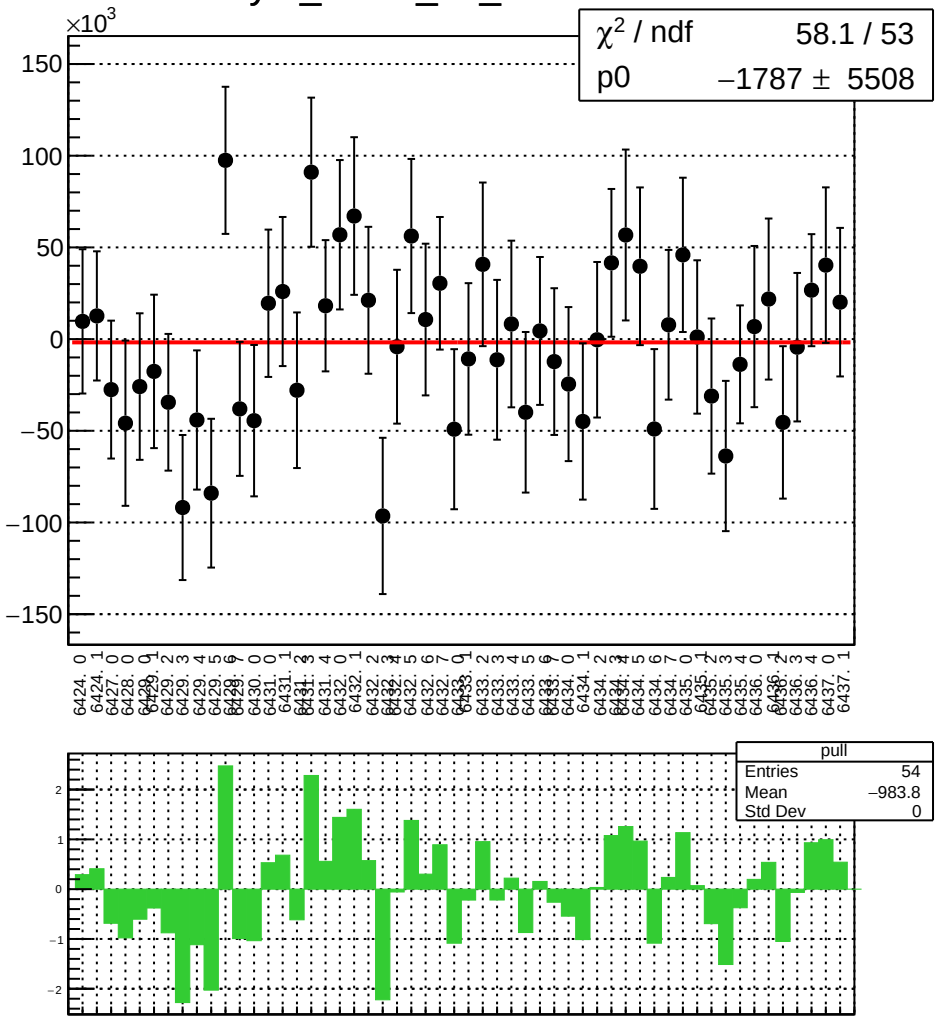
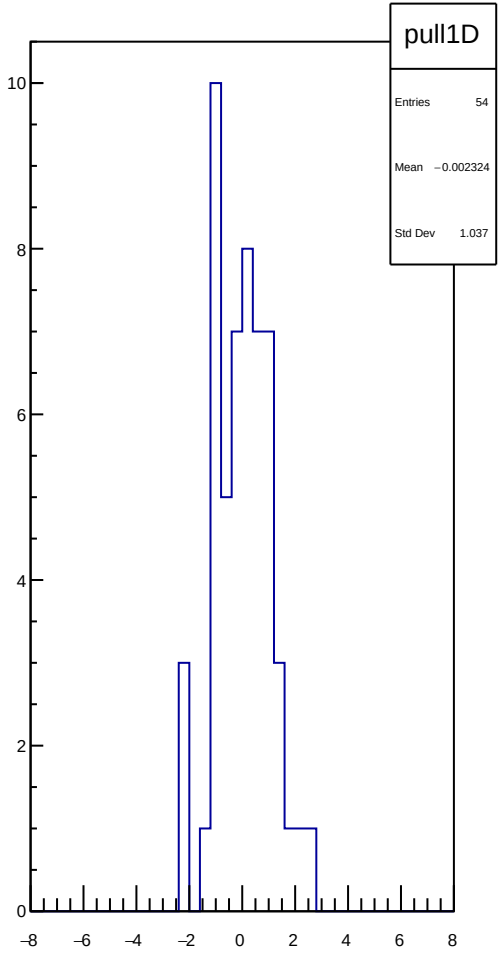
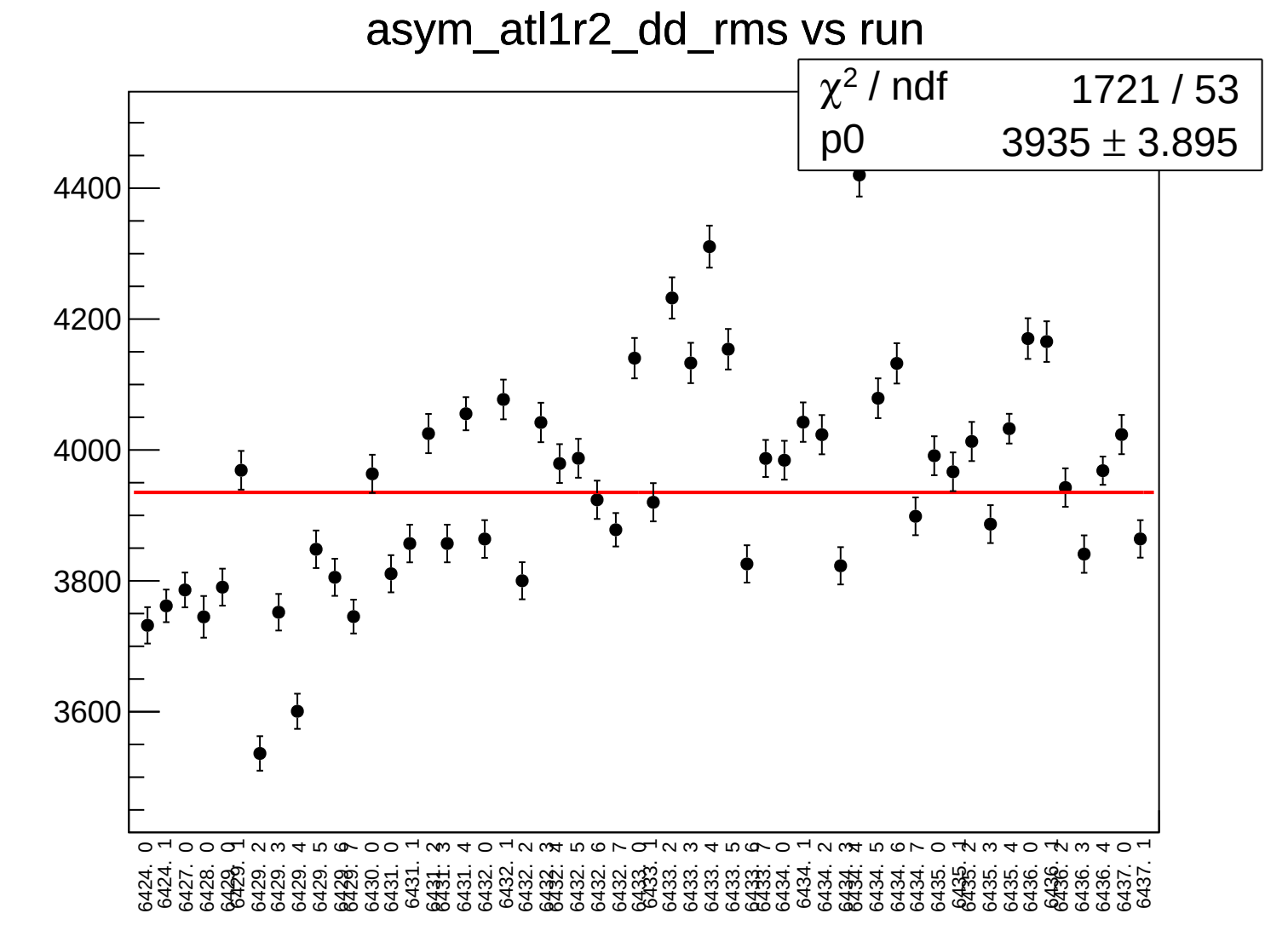
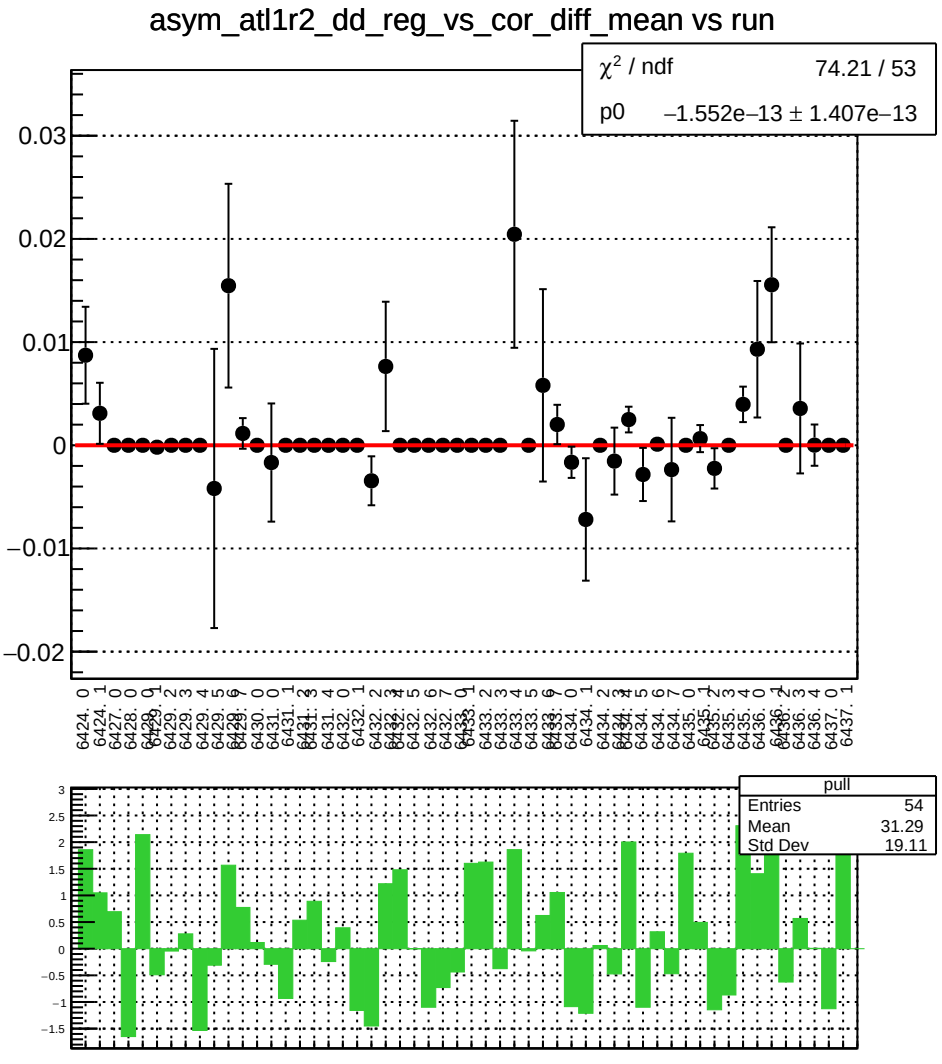
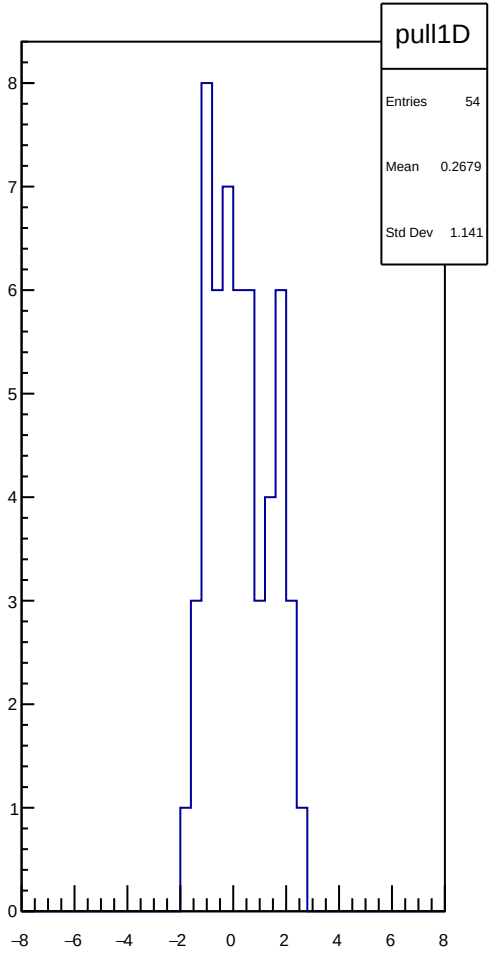
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

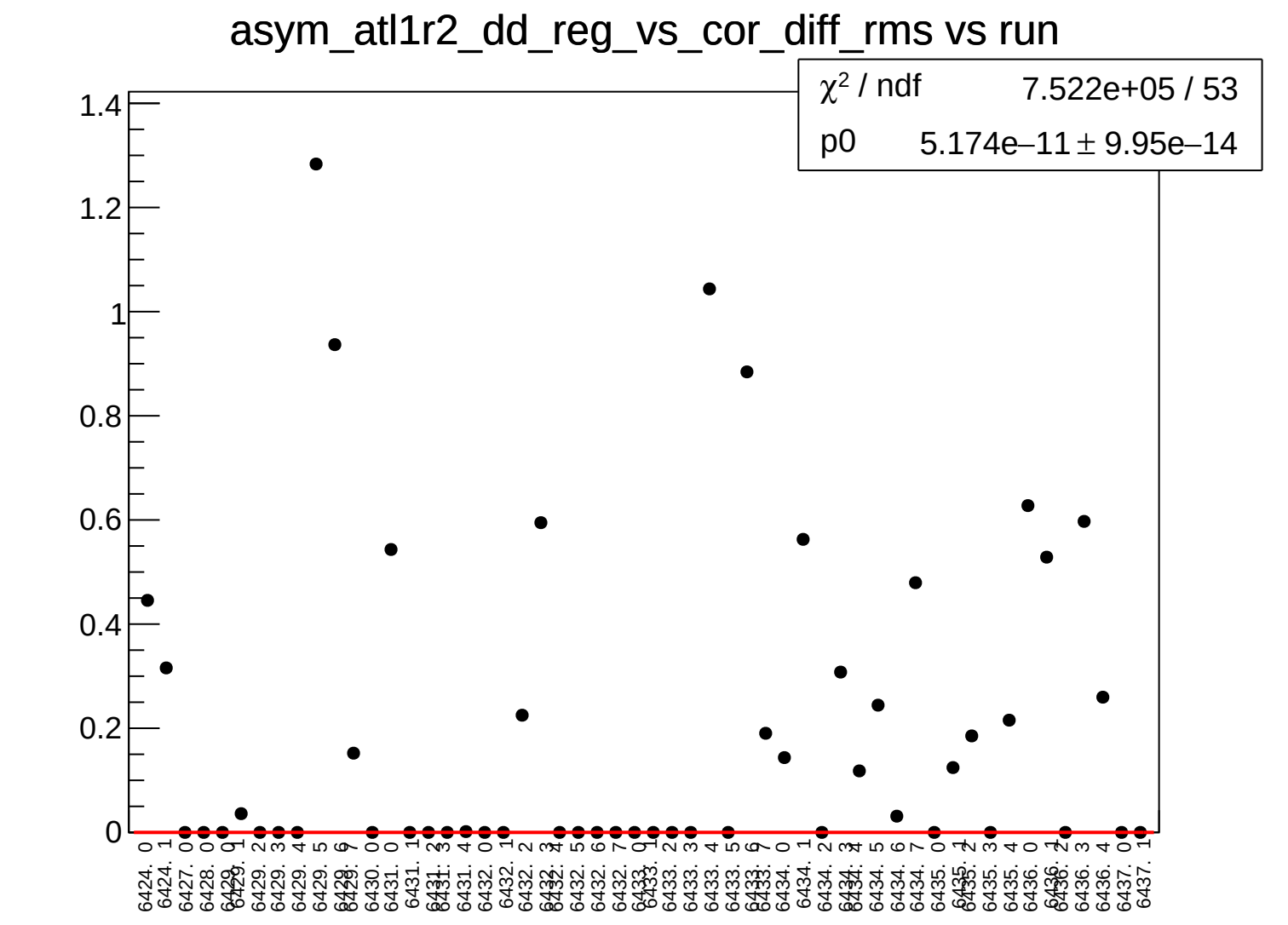

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 58.1 / 53
p0 −1787 ± 5508
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −983.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.002324
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_rms vs run
χ² / ndf 1721 / 53
p0 3935 ± 3.895
4400
4200
4000
3800
3600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.21 / 53
p0 −1.552e−13 ± 1.407e−13
pull
Entries 54
Mean 31.29
Std Dev 19.11


pull1D
Entries 54
Mean 0.2679
Std Dev 1.141


asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.522e+05 / 53
p0 5.174e−11 ± 9.95e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
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6433. 4
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6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6435. 1
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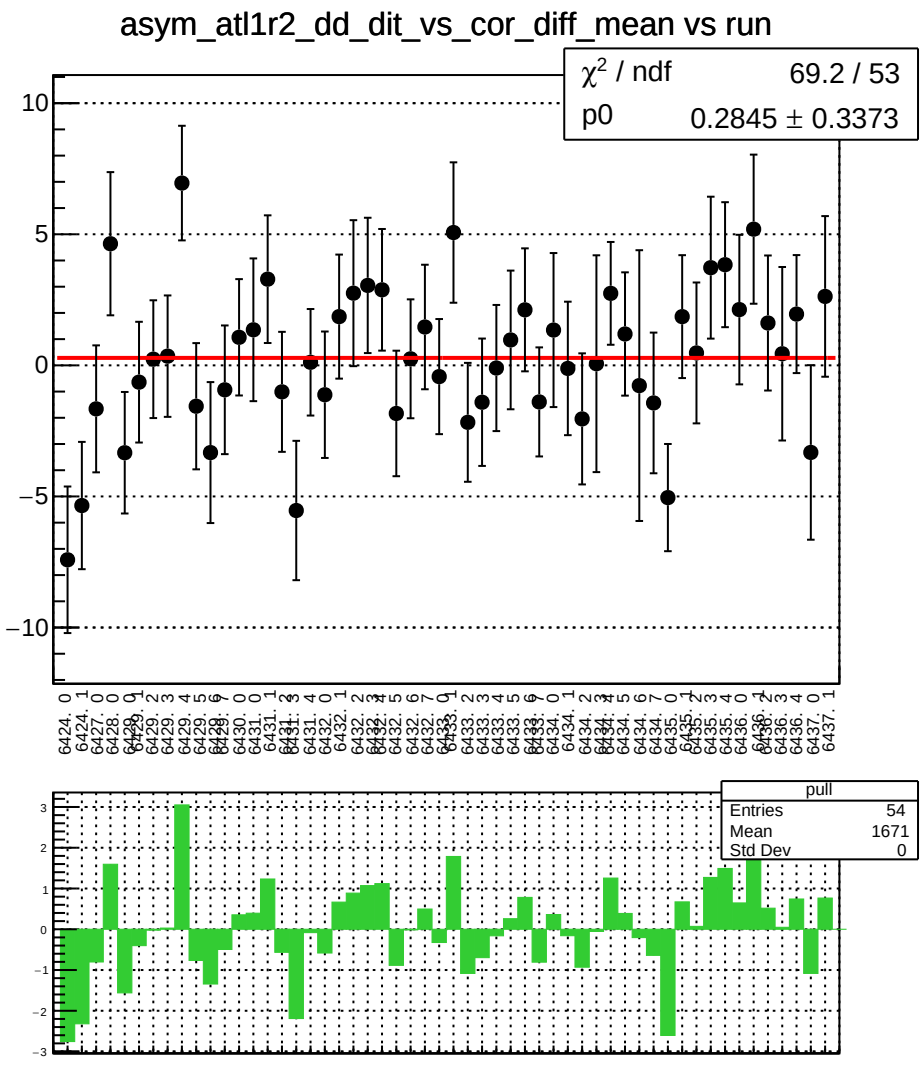
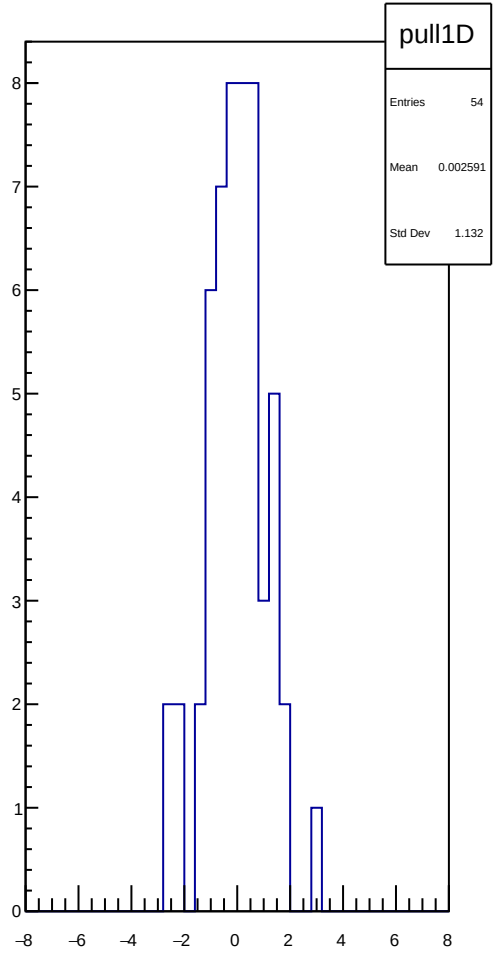
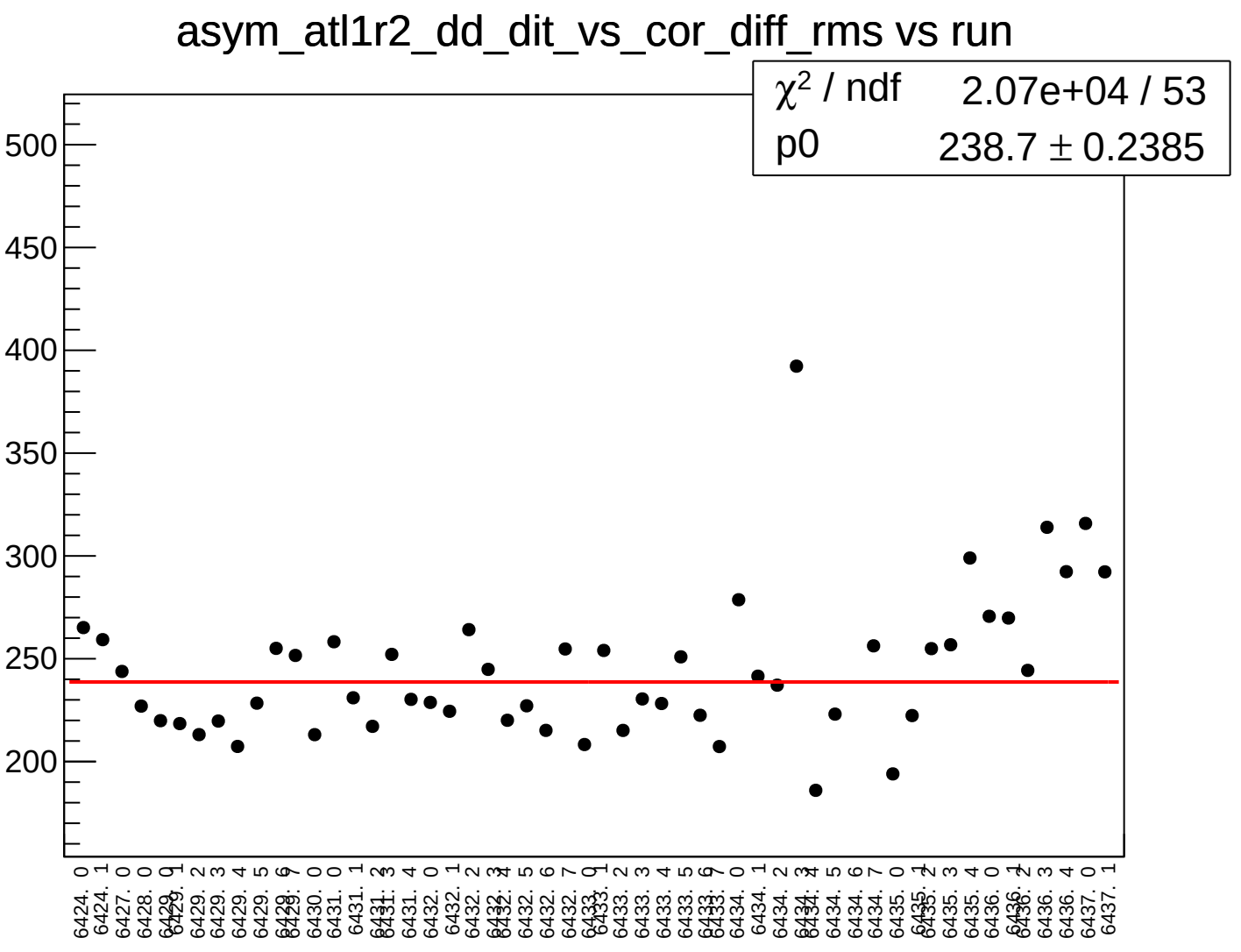
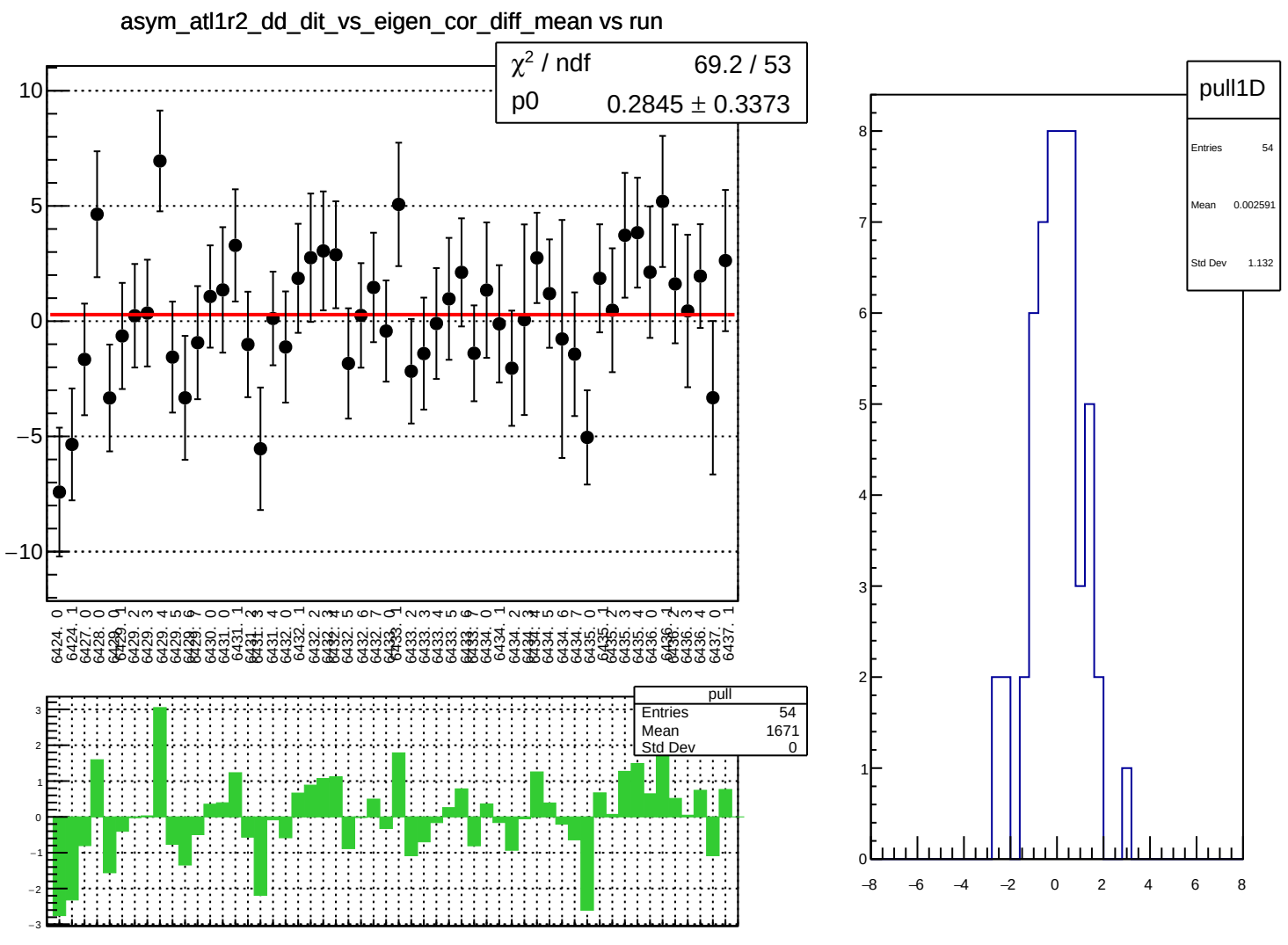
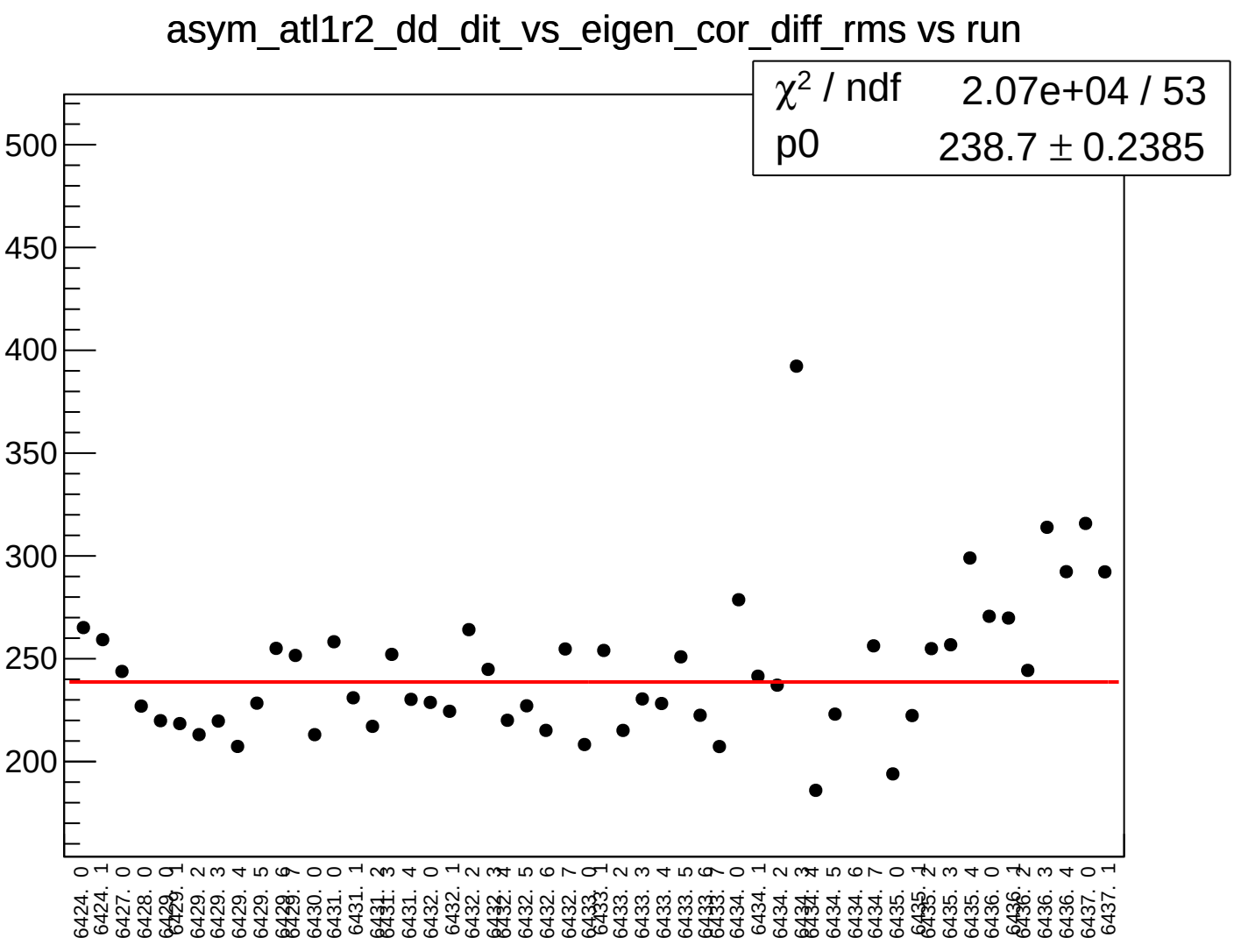
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2845 ± 0.3373
pull
Entries 54
Mean 1671
Std Dev 0


pull1D
Entries 54
Mean 0.002591
Std Dev 1.132


asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 53
p0 238.7 ± 0.2385
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2845 ± 0.3373
pull
Entries 54
Mean 1671
Std Dev 0
pull1D
Entries 54
Mean 0.002591
Std Dev 1.132


asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 53
p0 238.7 ± 0.2385
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 5
6432. 6
6432. 7
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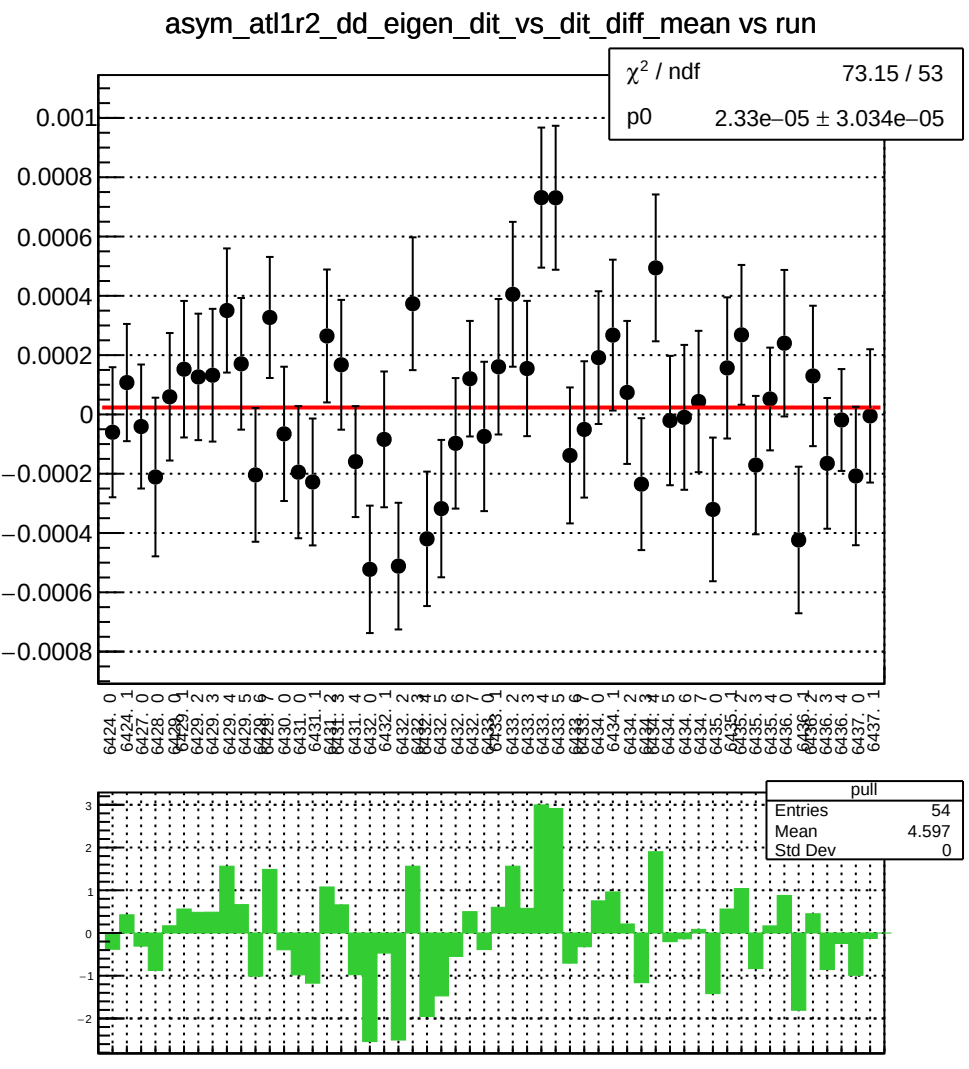
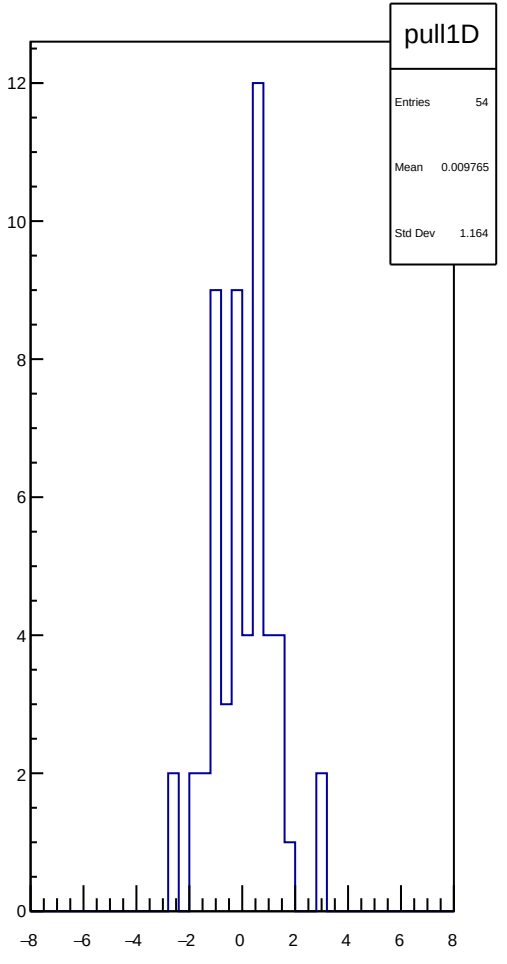
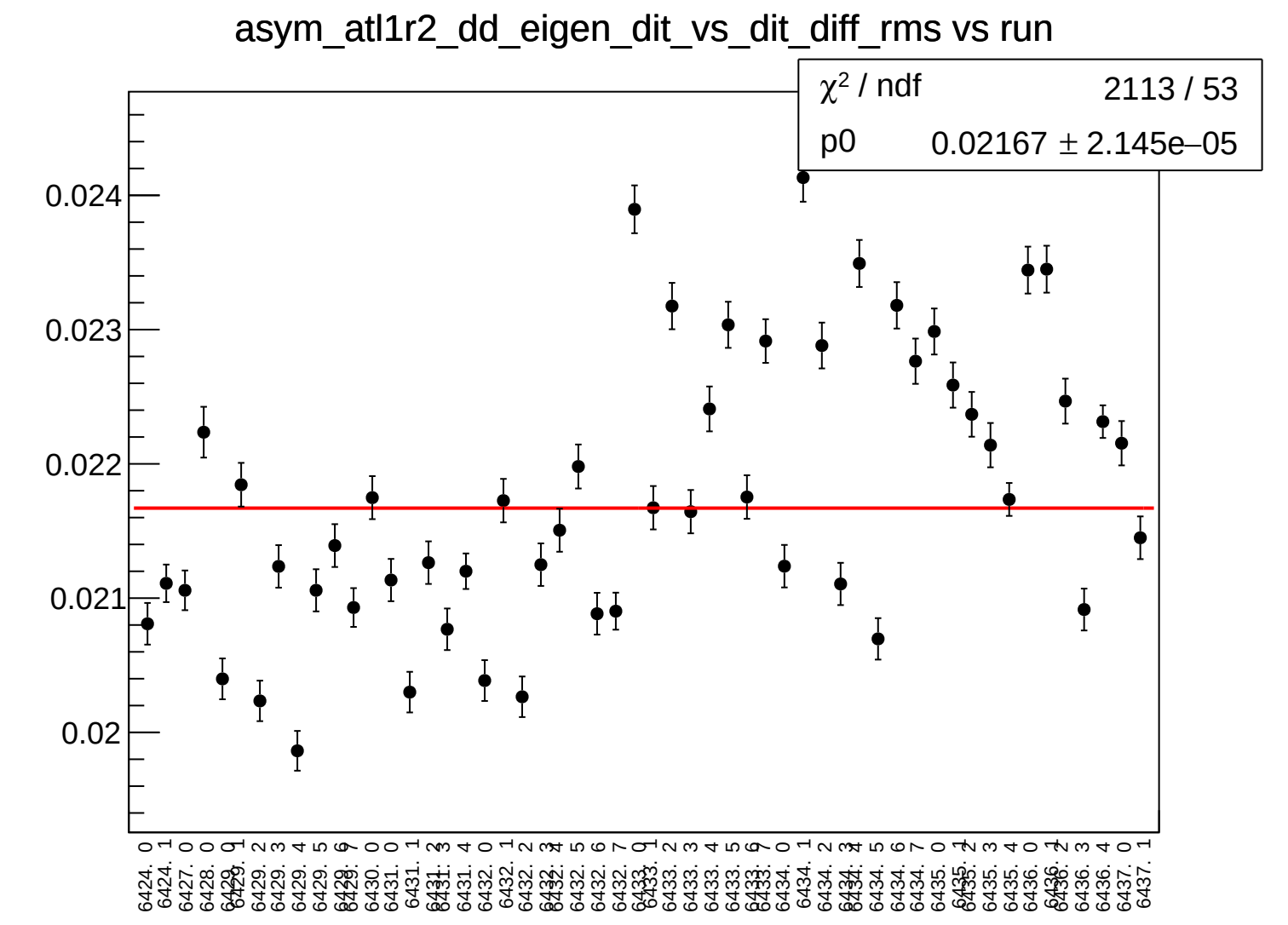
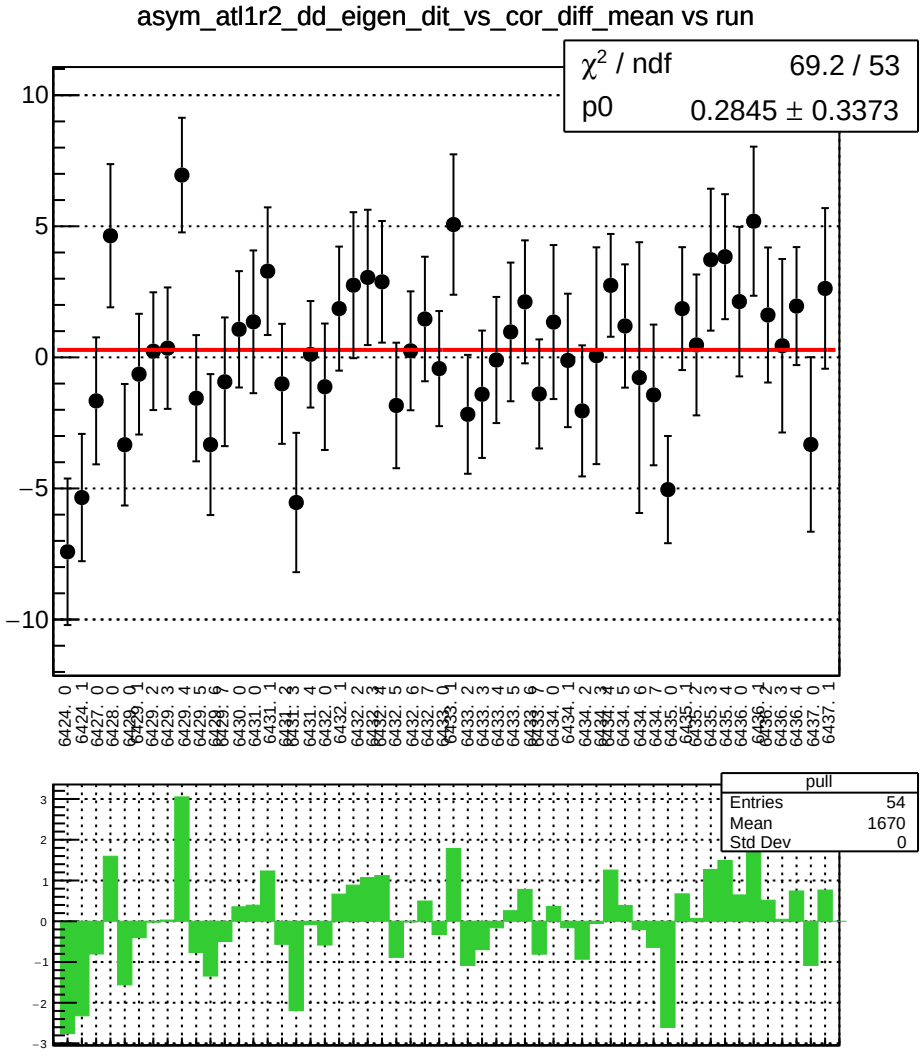
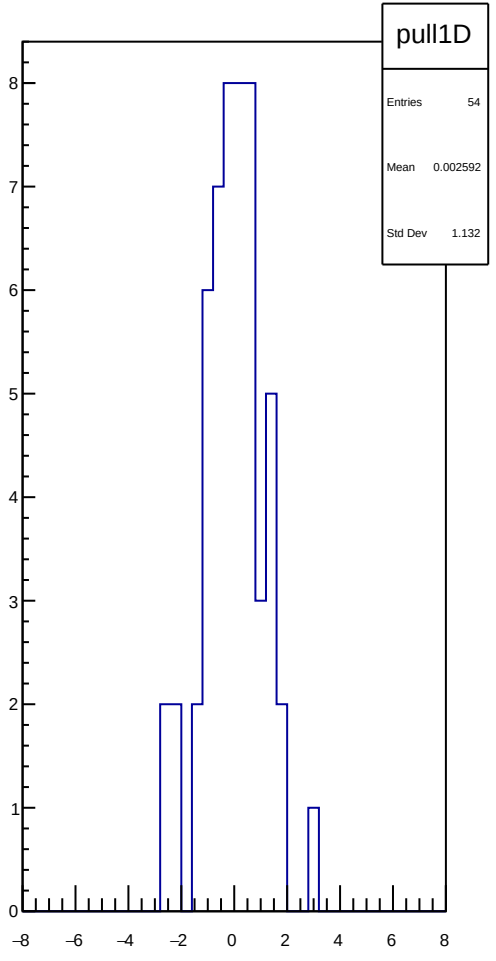
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

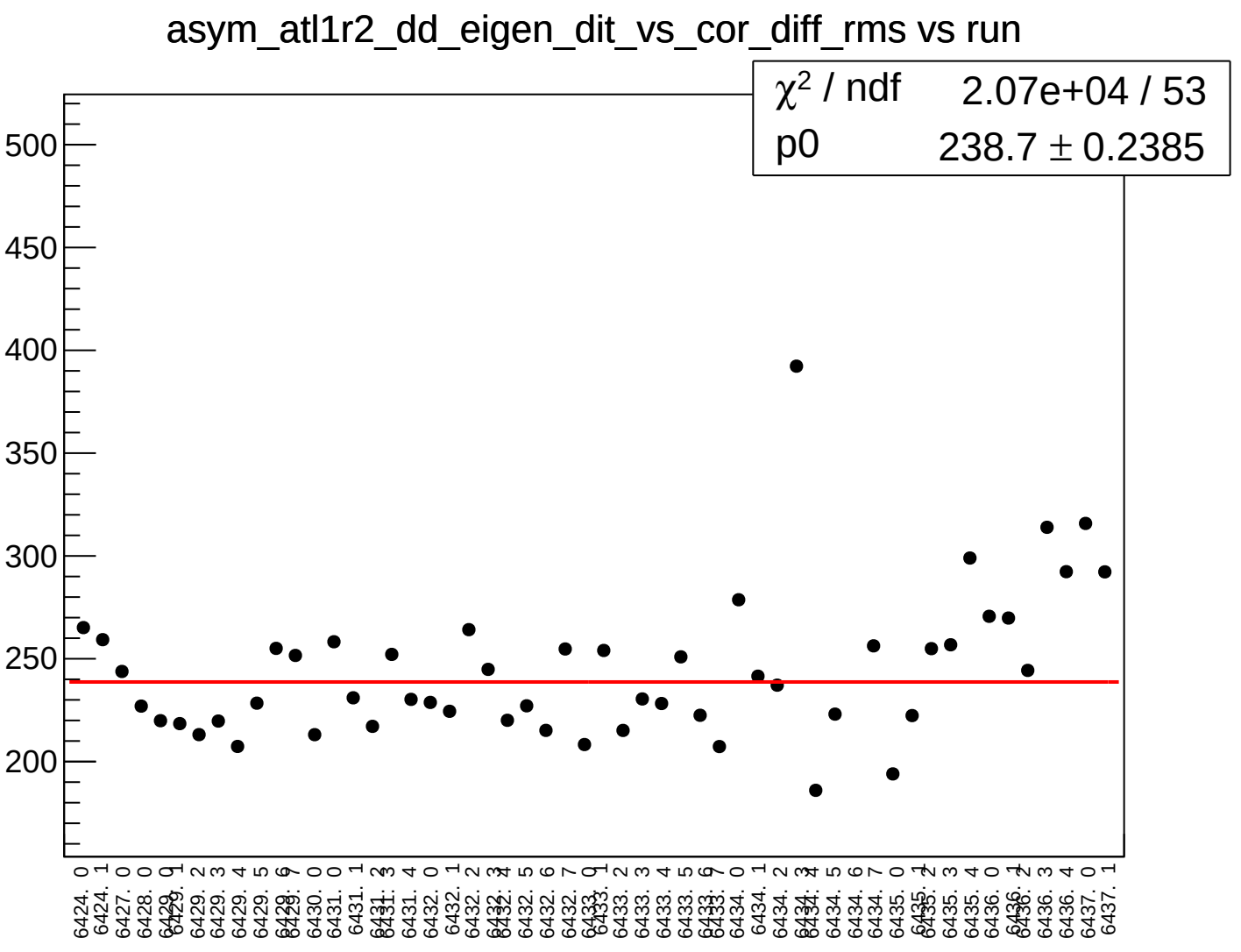

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.15 / 53
p0 2.33e−05 ± 3.034e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 54
Mean 4.597
Std Dev 0
3
2
1
0
−1
−2

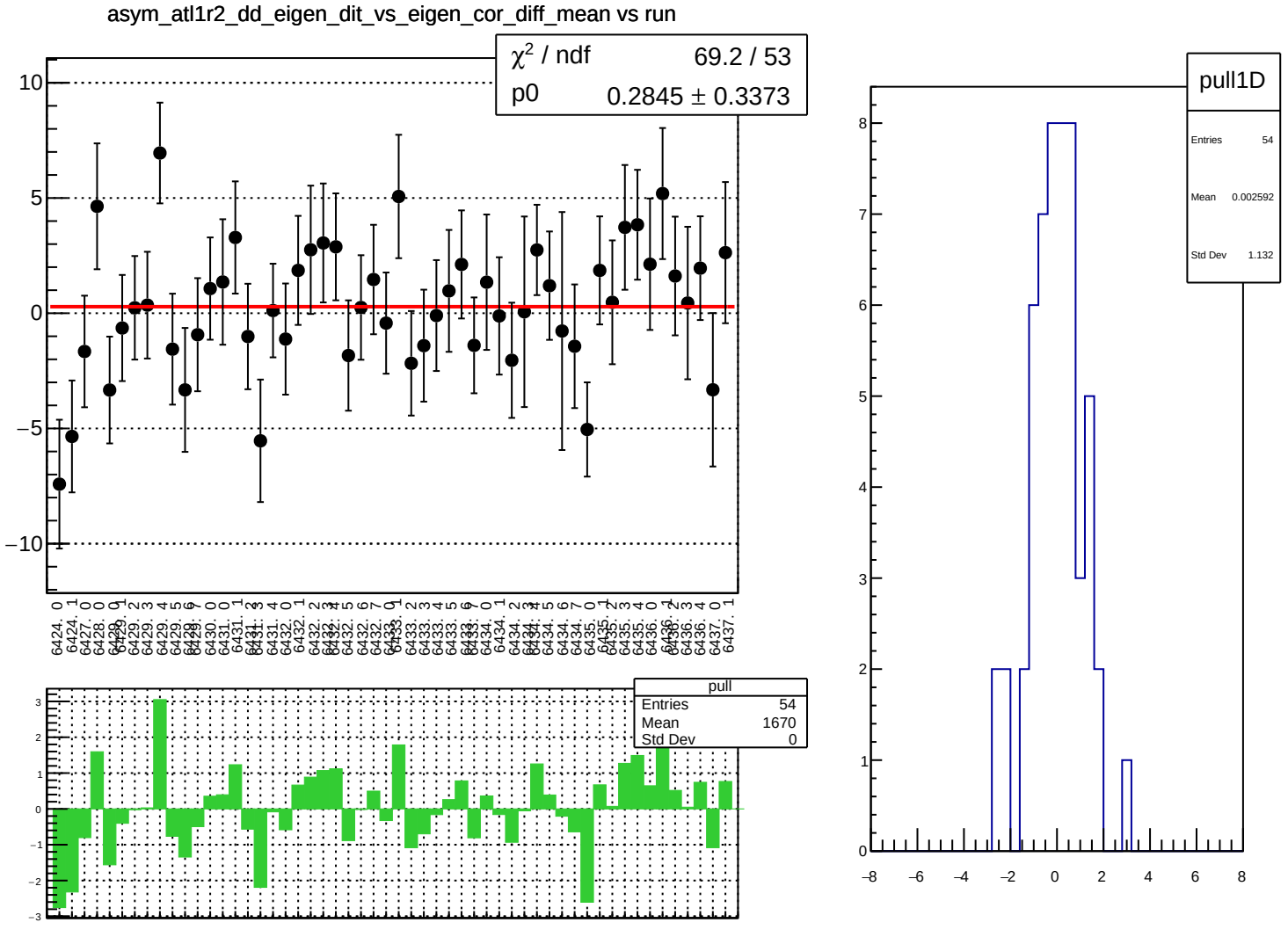

pull1D
Entries 54
Mean 0.009765
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

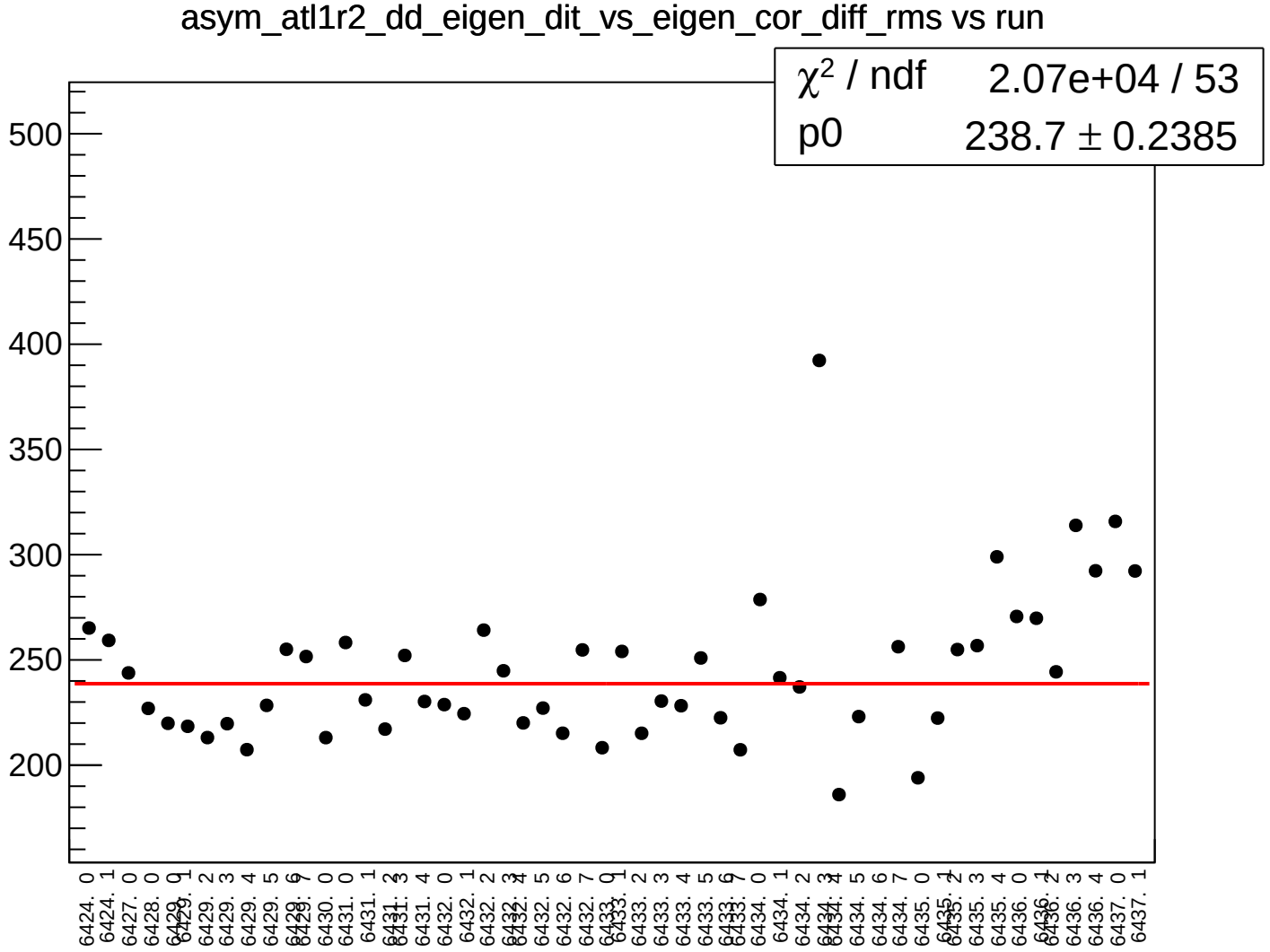

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2113 / 53
p0 0.02167 ± 2.145e−05
0.024
0.023
0.022
0.021
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

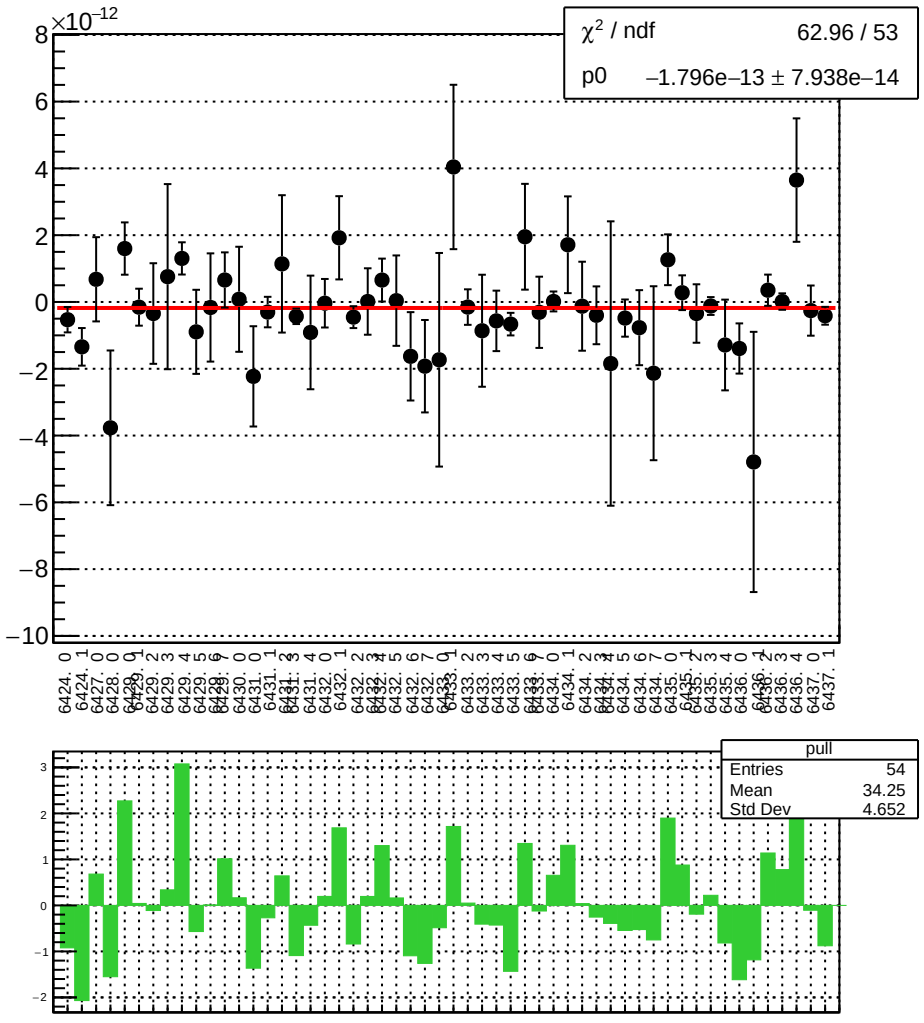

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2845 ± 0.3373
pull
Entries 54
Mean 1670
Std Dev 0

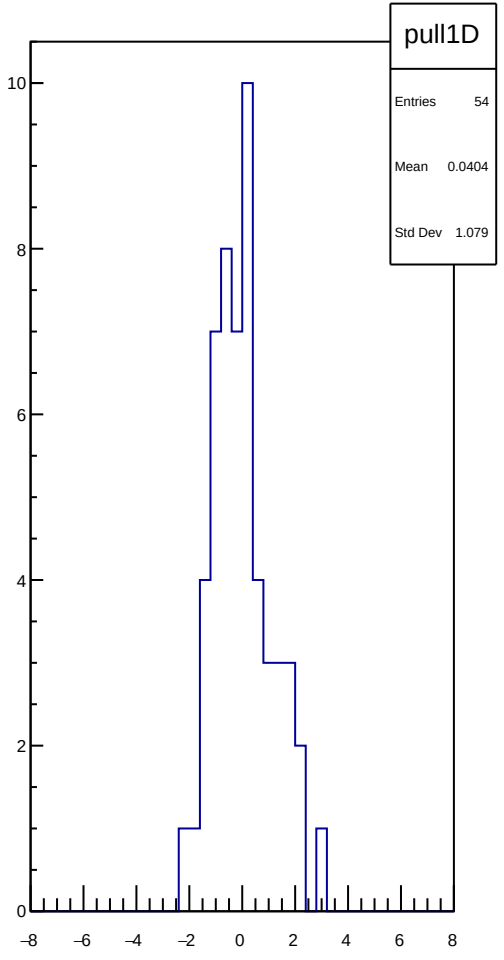

pull1D
Entries 54
Mean 0.002592
Std Dev 1.132

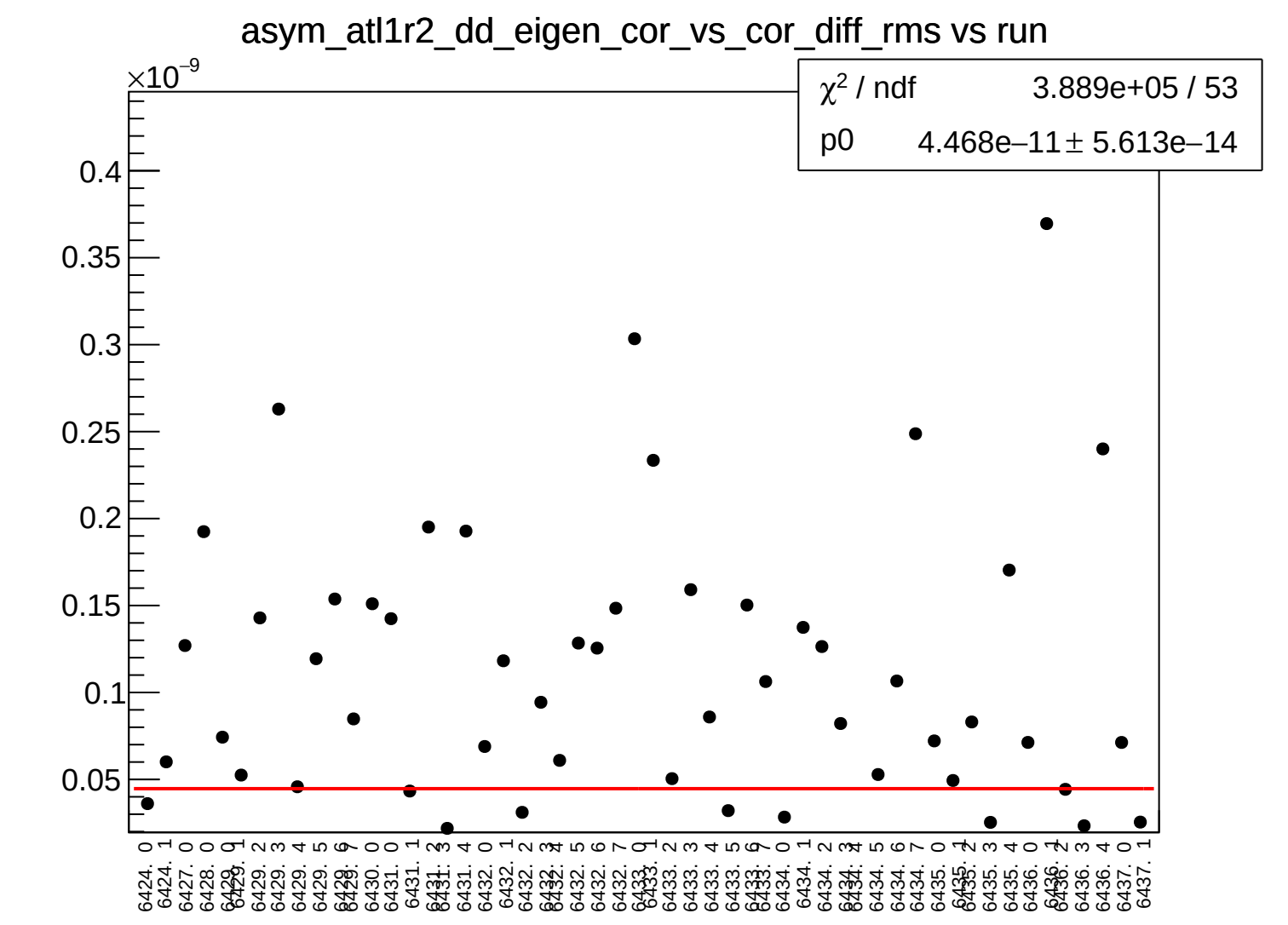

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 53
p0 238.7 ± 0.2385
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

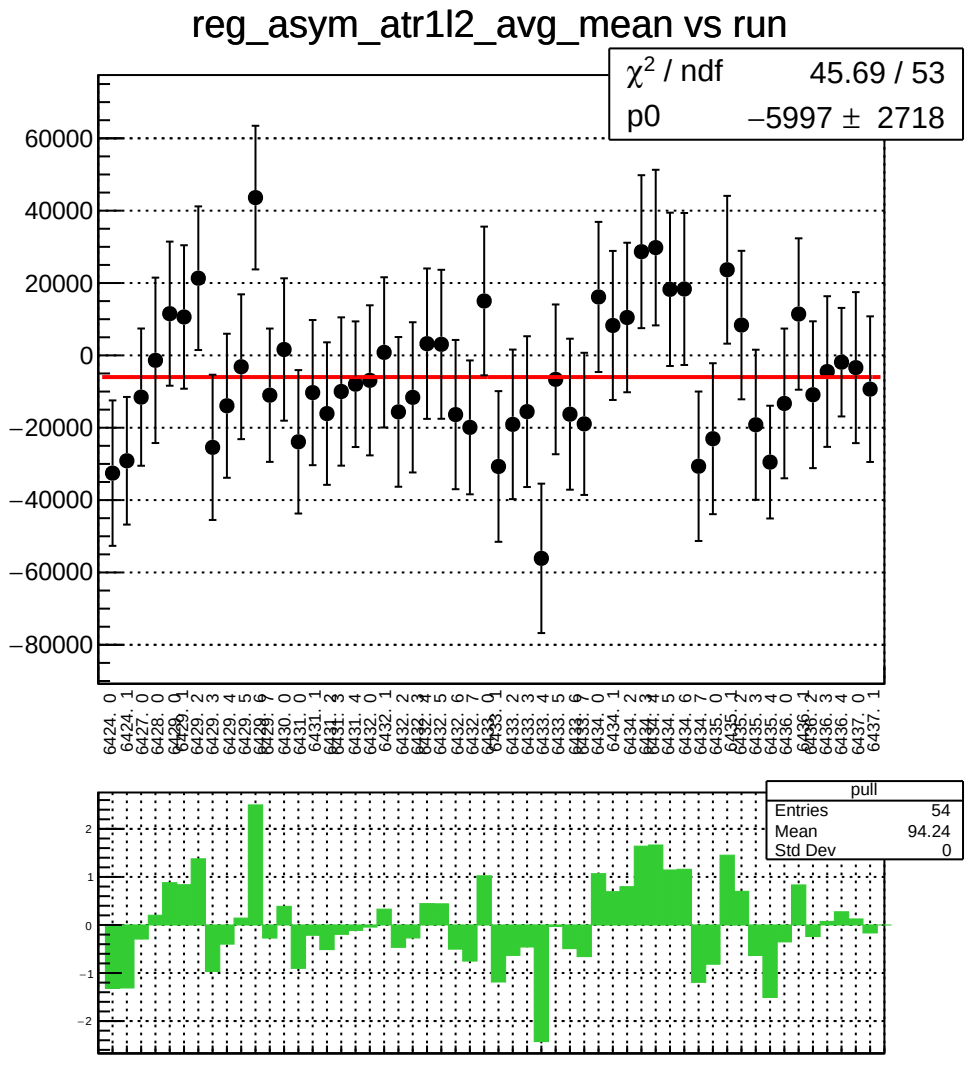

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2845 ± 0.3373
pull
Entries 54
Mean 1670
Std Dev 0
pull1D
Entries 54
Mean 0.002592
Std Dev 1.132

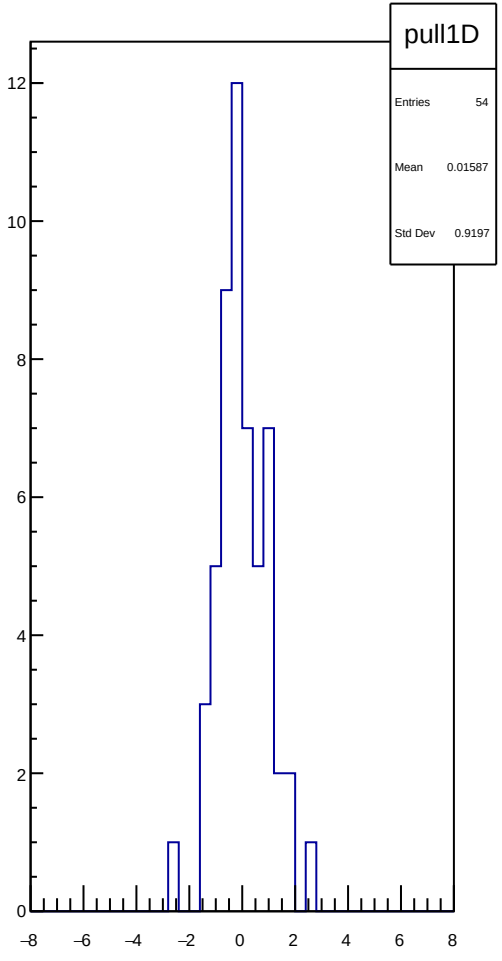

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 53
p0 238.7 ± 0.2385
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

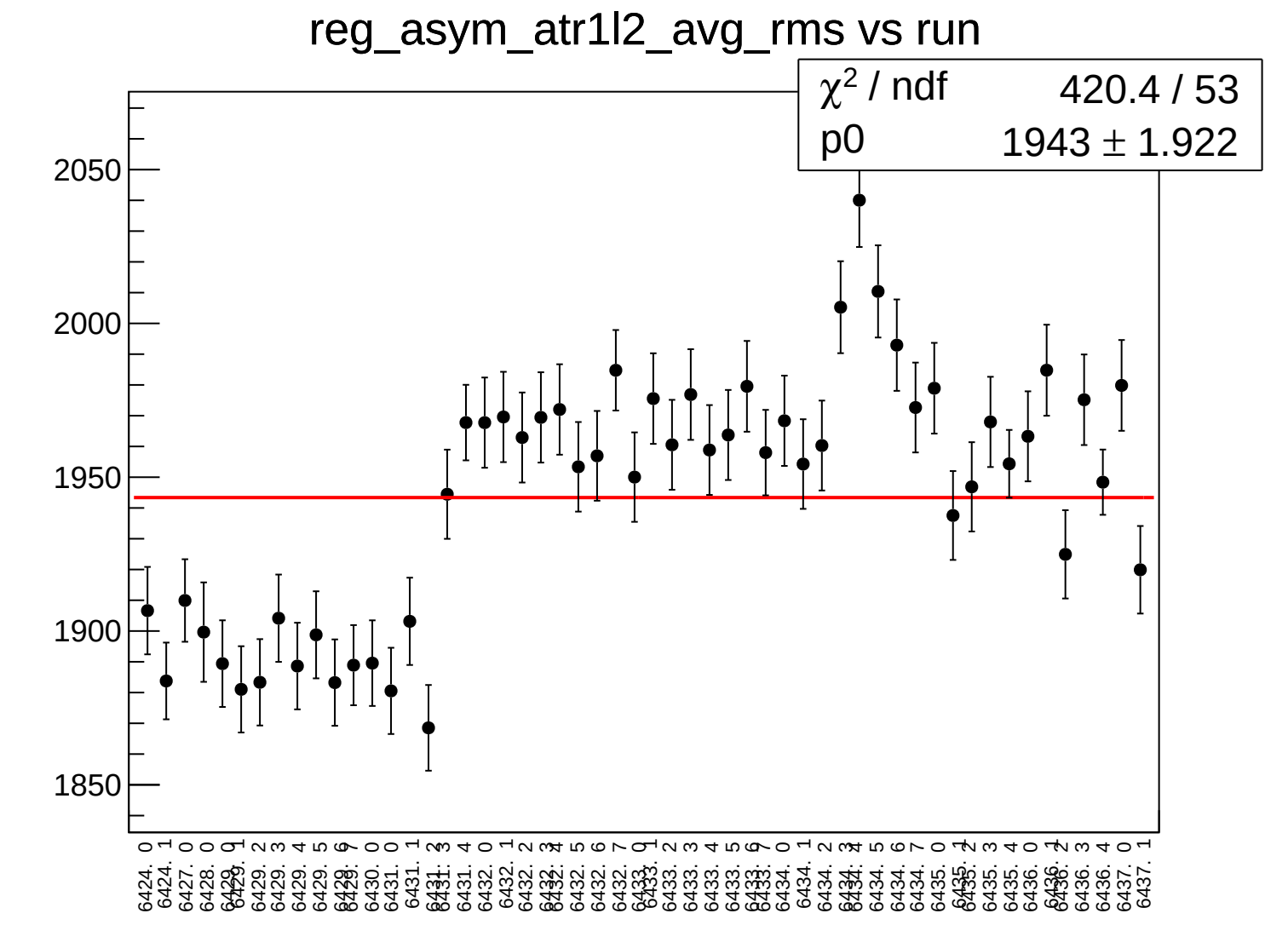

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.96 / 53
p0 −1.796e−13 ± 7.938e−14
pull
Entries 54
Mean 34.25
Std Dev 4.652

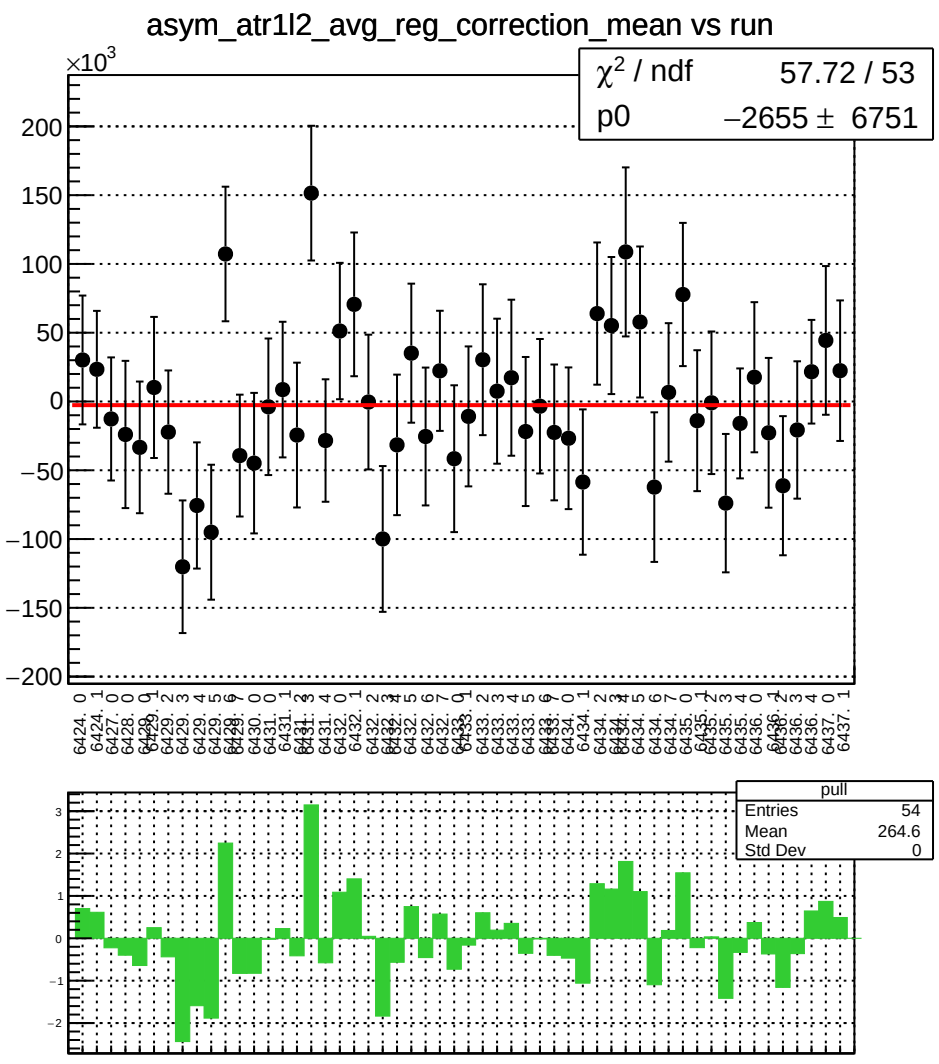

pull1D
Entries 54
Mean 0.0404
Std Dev 1.079

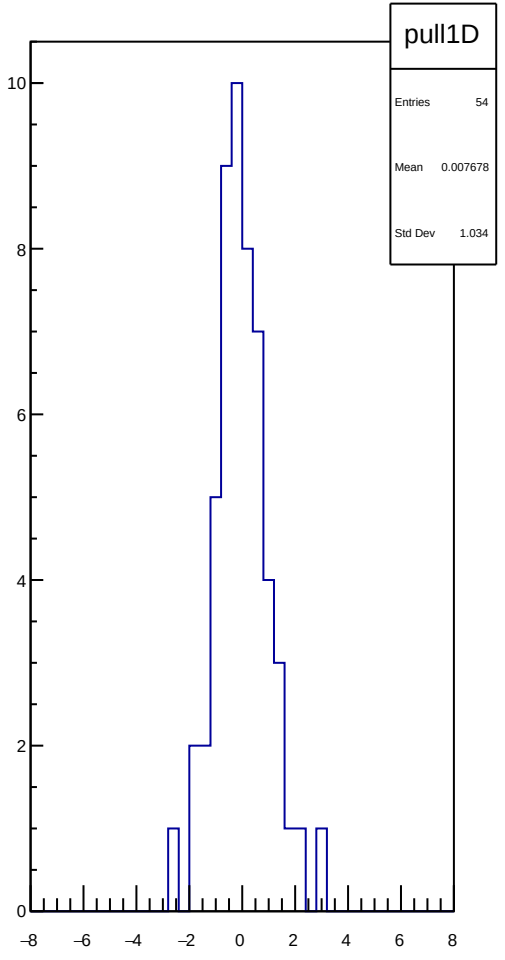

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.889e+05 / 53
p0 4.468e−11 ± 5.613e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

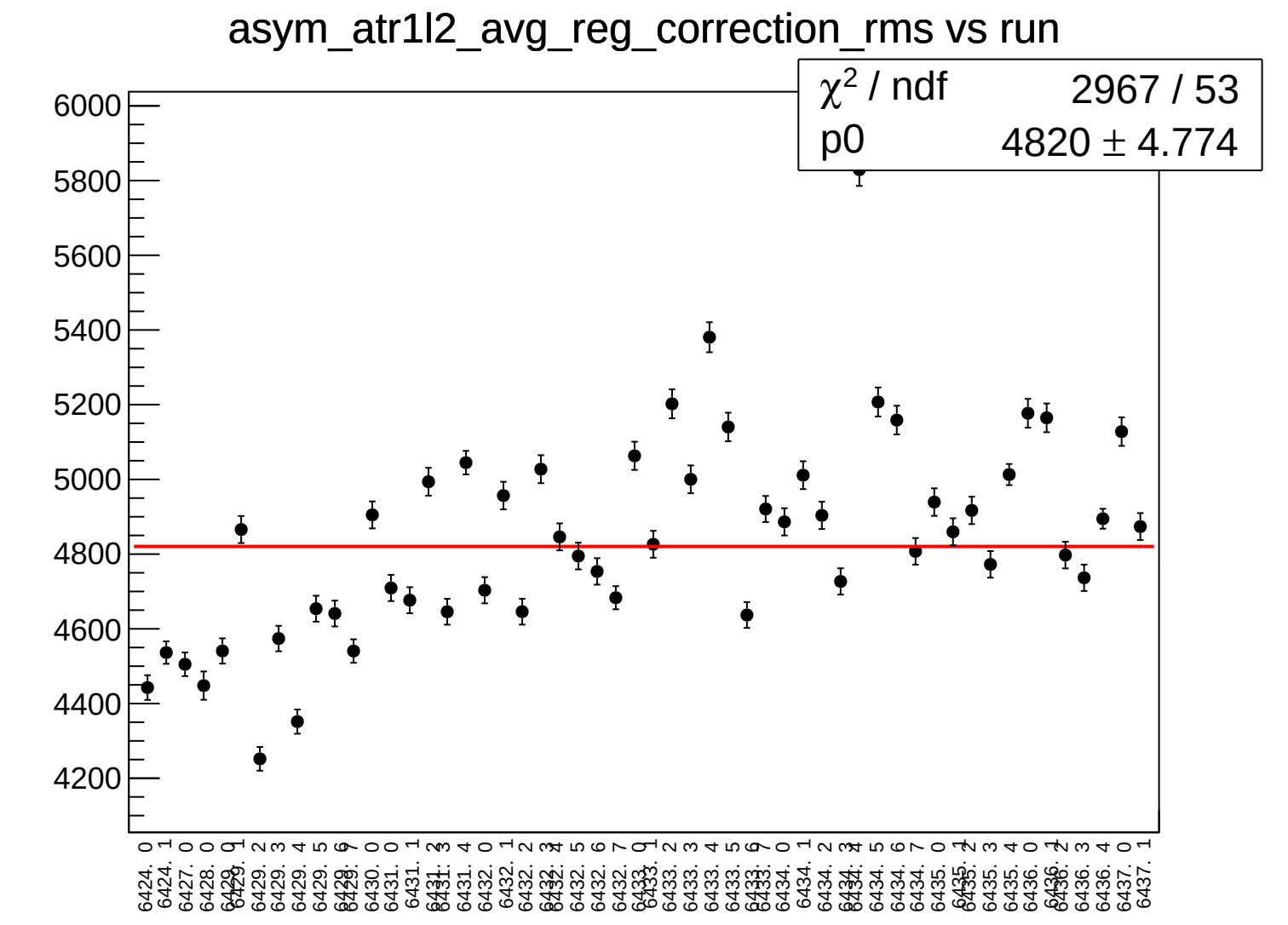

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 45.69 / 53
p0 −5997 ± 2718
pull
Entries 54
Mean 94.24
Std Dev 0

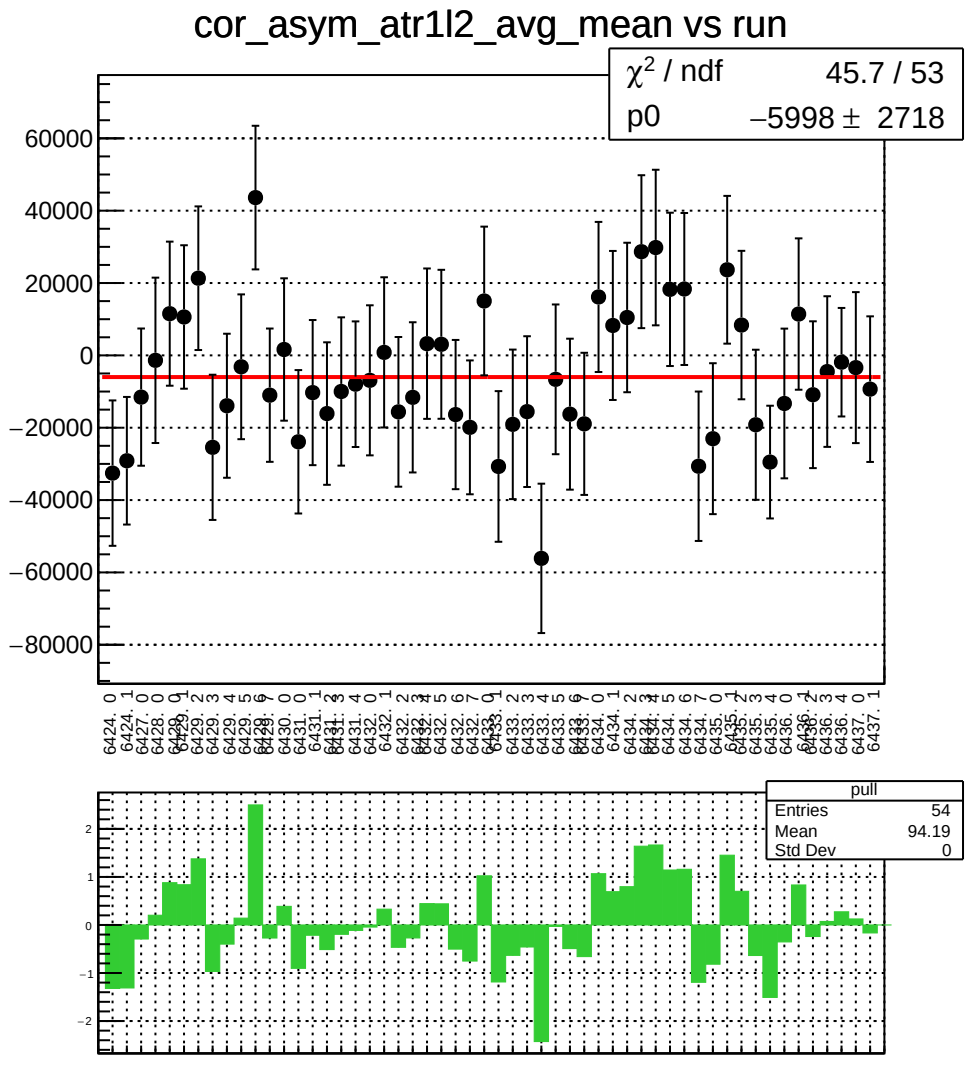

pull1D
Entries 54
Mean 0.01587
Std Dev 0.9197

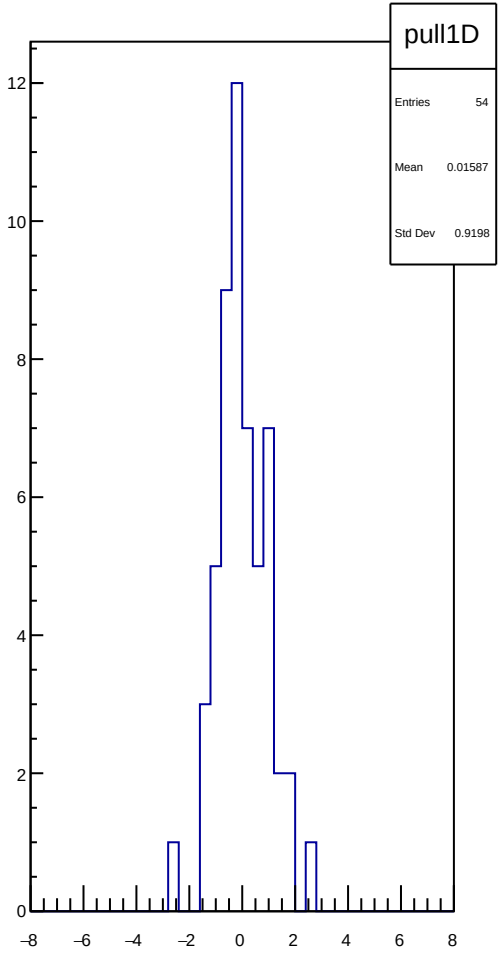

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 420.4 / 53
p0 1943 ± 1.922
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

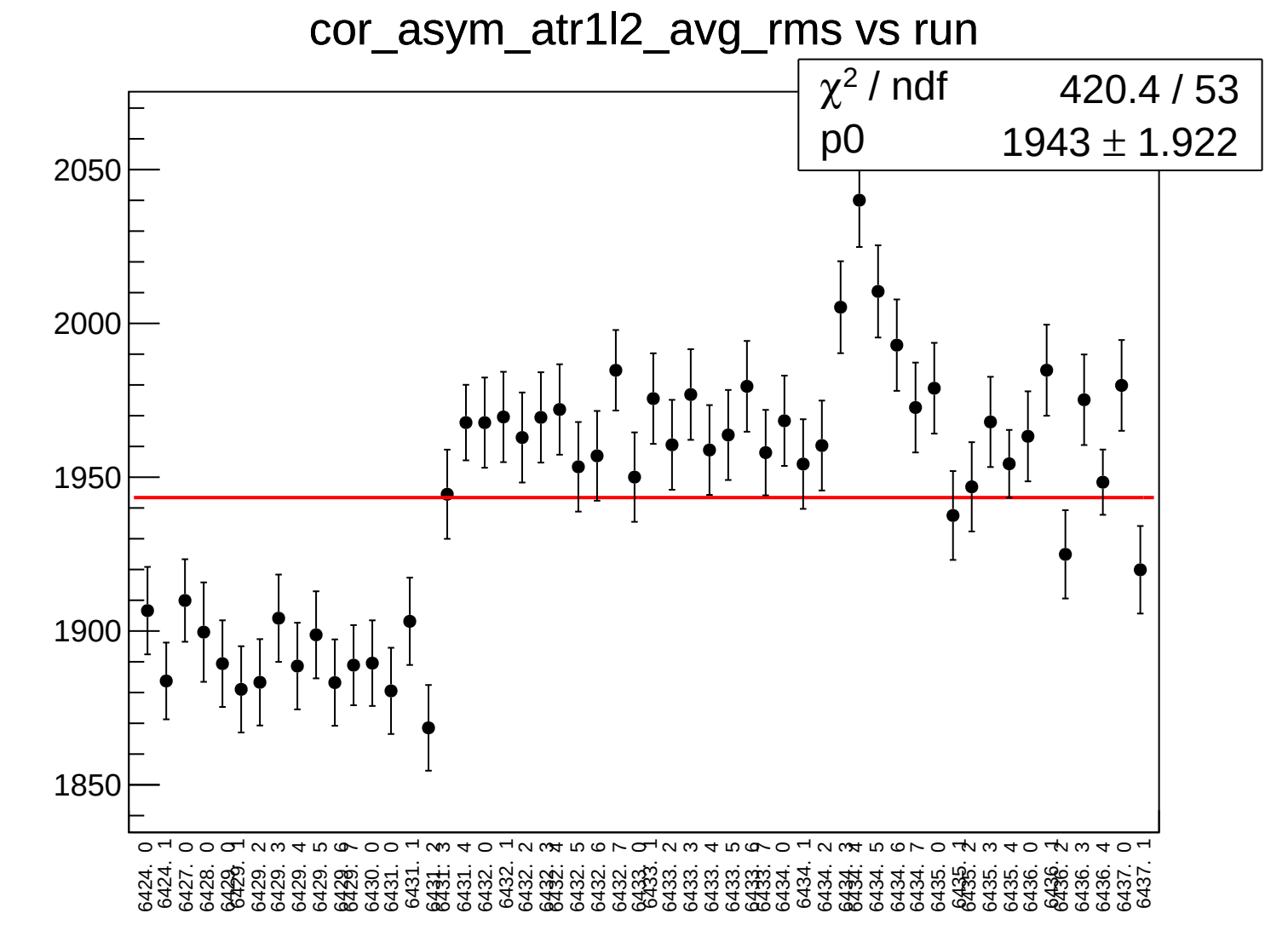

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 57.72 / 53
p0 −2655 ± 6751
pull
Entries 54
Mean 264.6
Std Dev 0

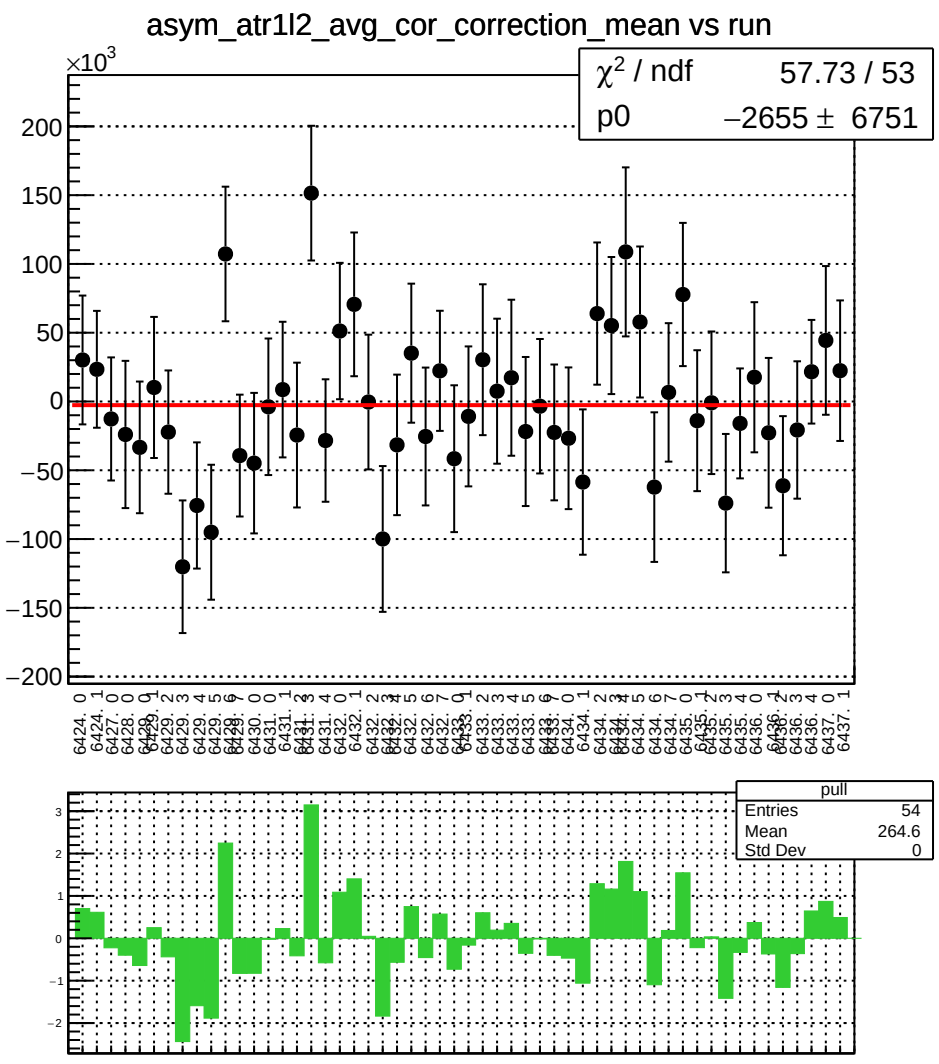

pull1D
Entries 54
Mean 0.007678
Std Dev 1.034

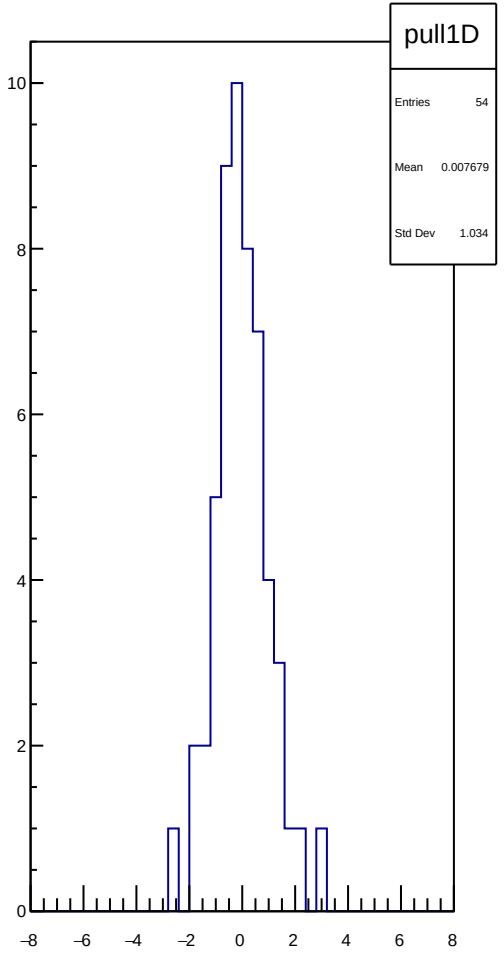

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2967 / 53
p0 4820 ± 4.774
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

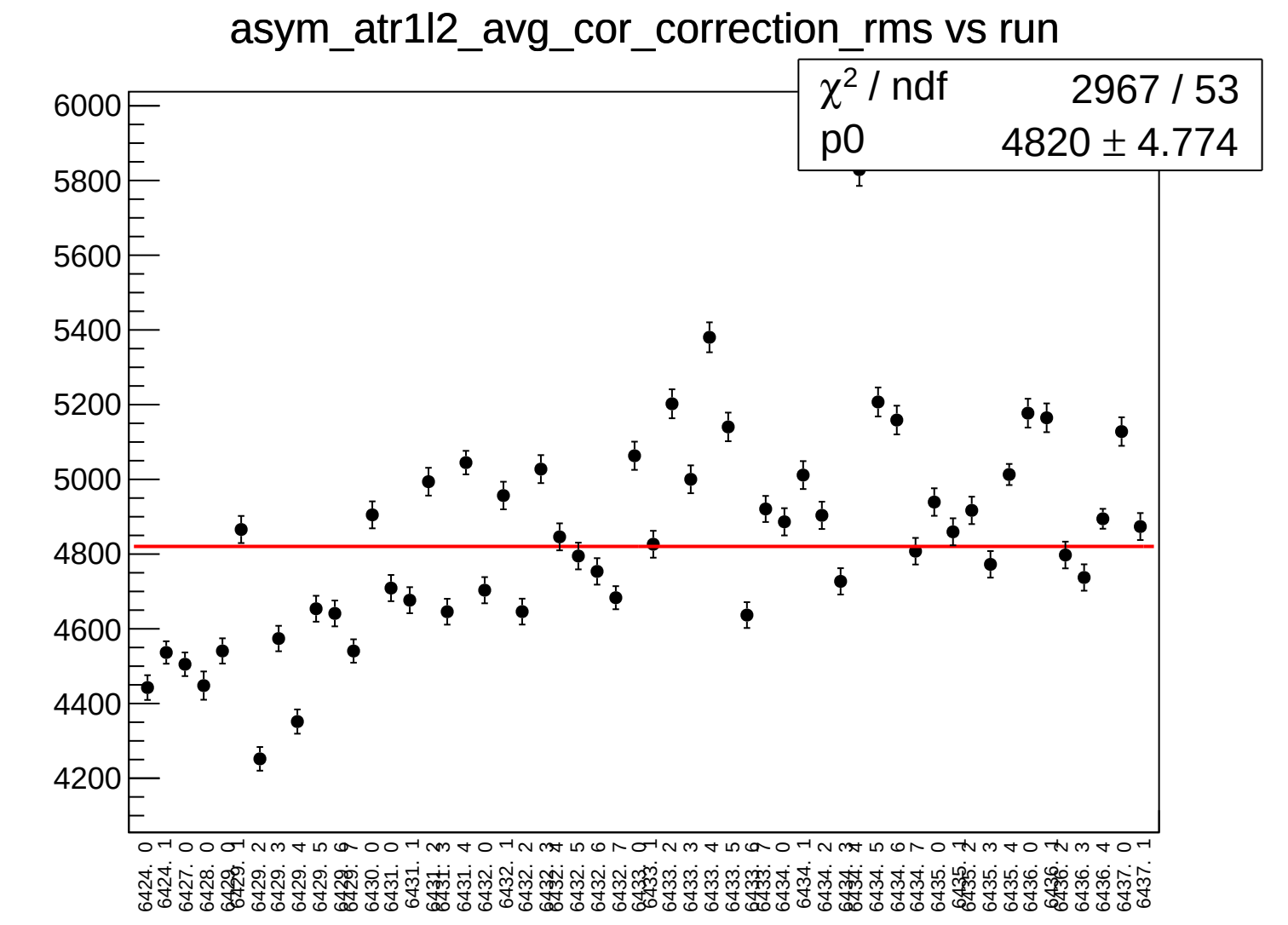

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 45.7 / 53
p0 −5998 ± 2718
pull
Entries 54
Mean 94.19
Std Dev 0


pull1D
Entries 54
Mean 0.01587
Std Dev 0.9198


cor_asym_atr1l2_avg_rms vs run
χ² / ndf 420.4 / 53
p0 1943 ± 1.922
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 57.73 / 53
p0 −2655 ± 6751
pull
Entries 54
Mean 264.6
Std Dev 0


pull1D
Entries 54
Mean 0.007679
Std Dev 1.034


asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2967 / 53
p0 4820 ± 4.774
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6434. 6
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6435. 0
6435. 1
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6436. 2
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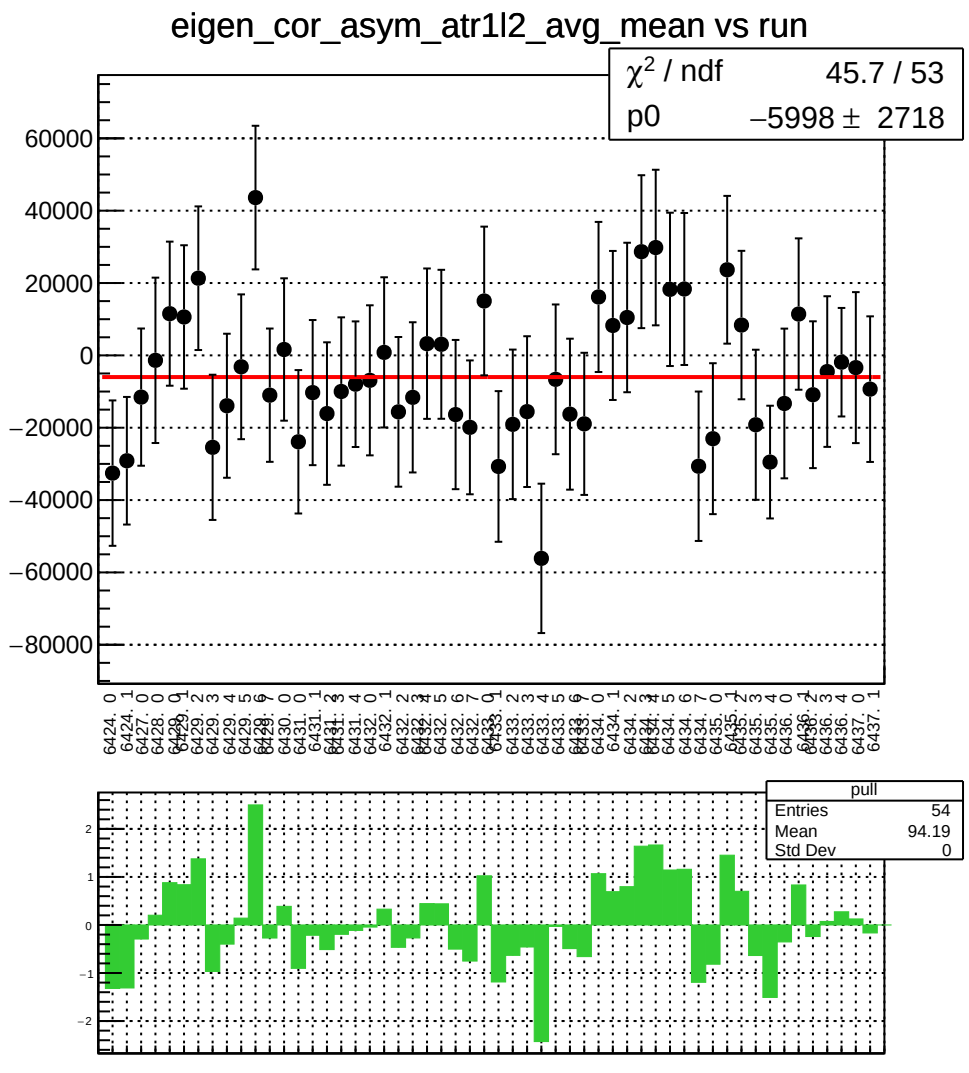
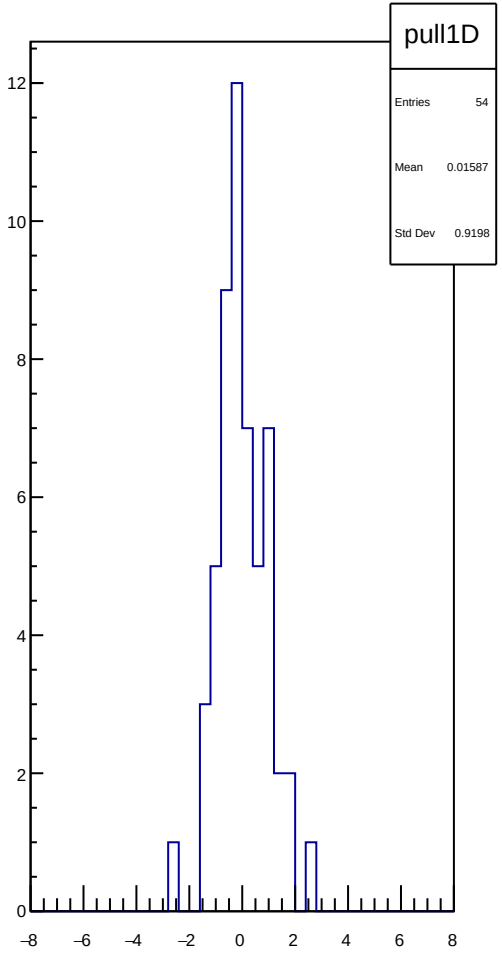
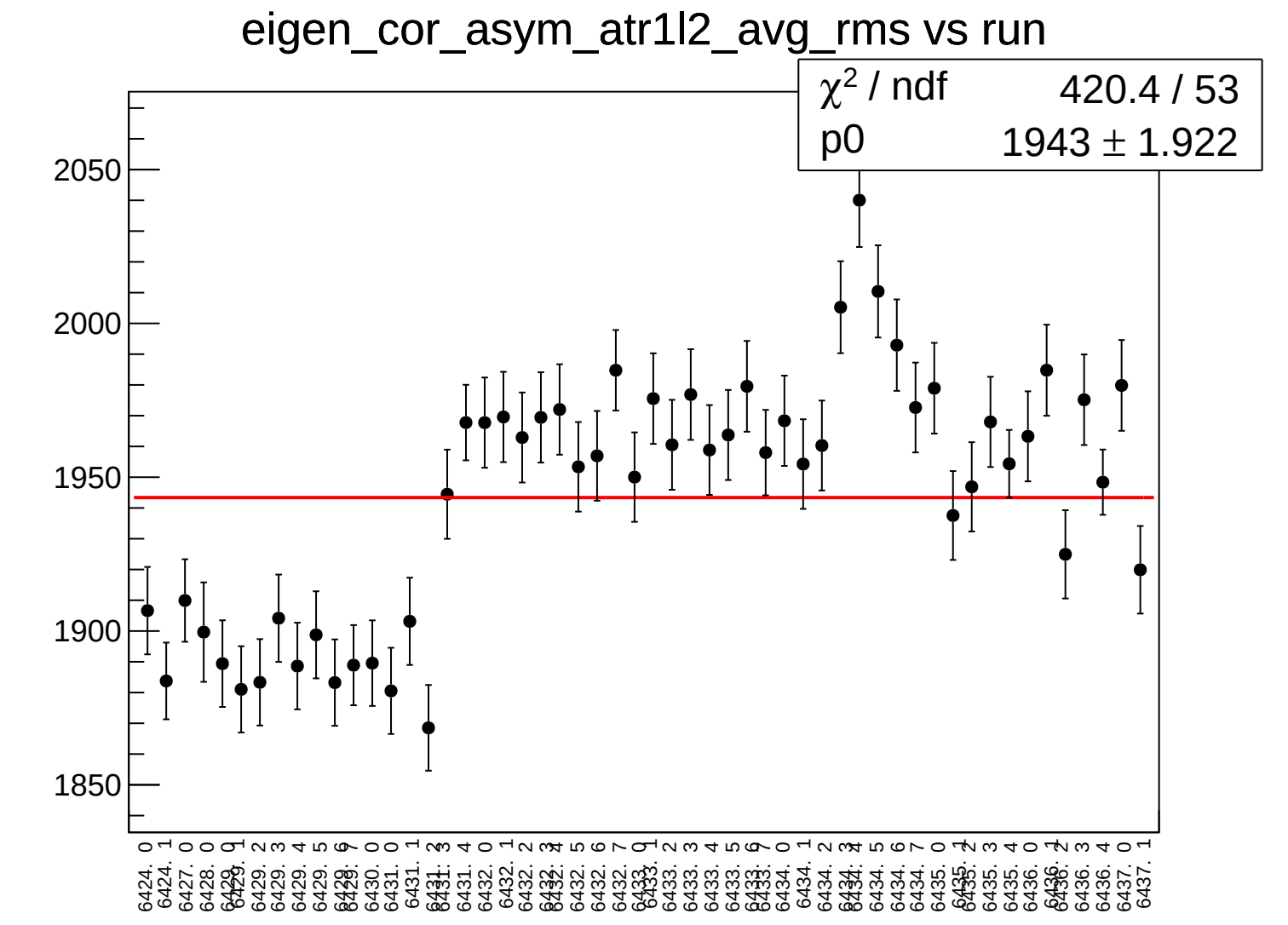
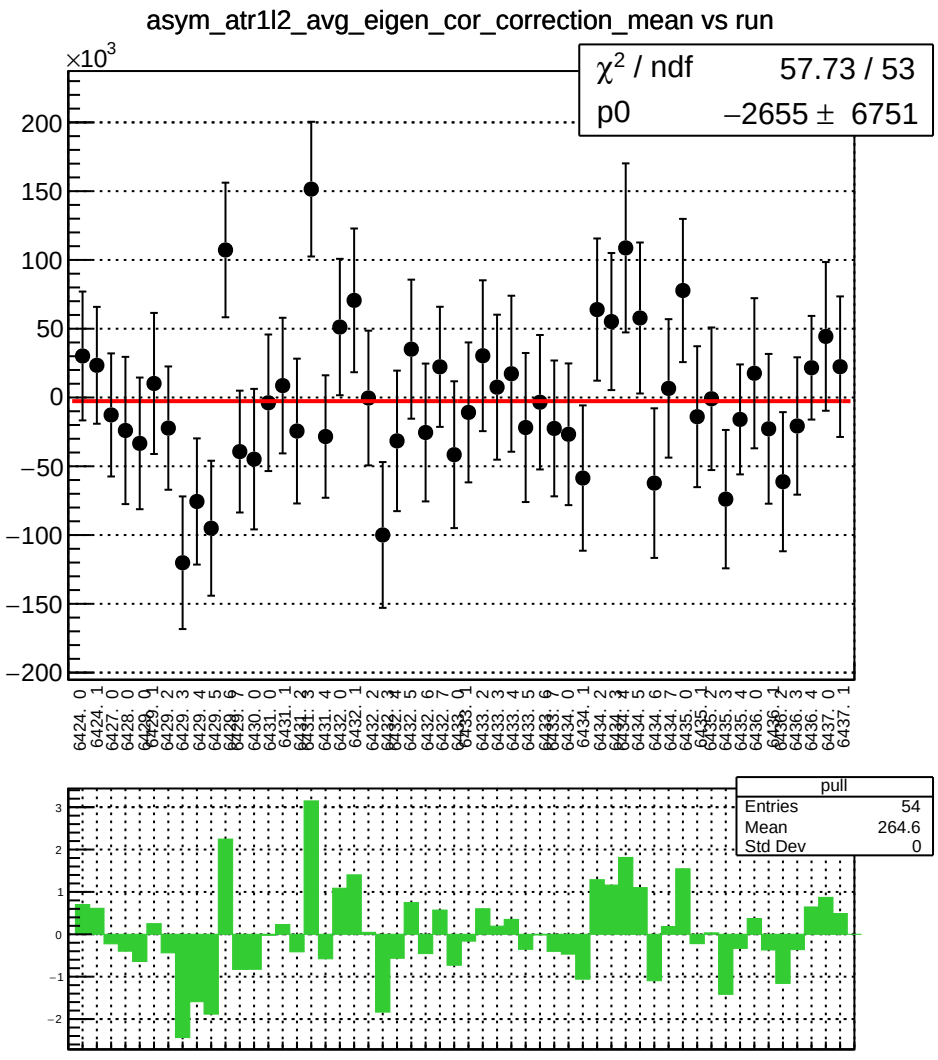
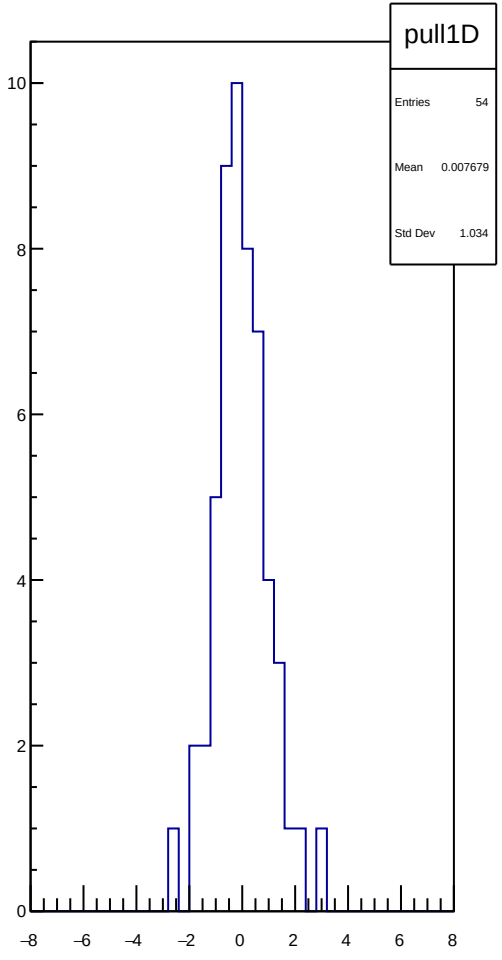
6437. 0
6437. 1

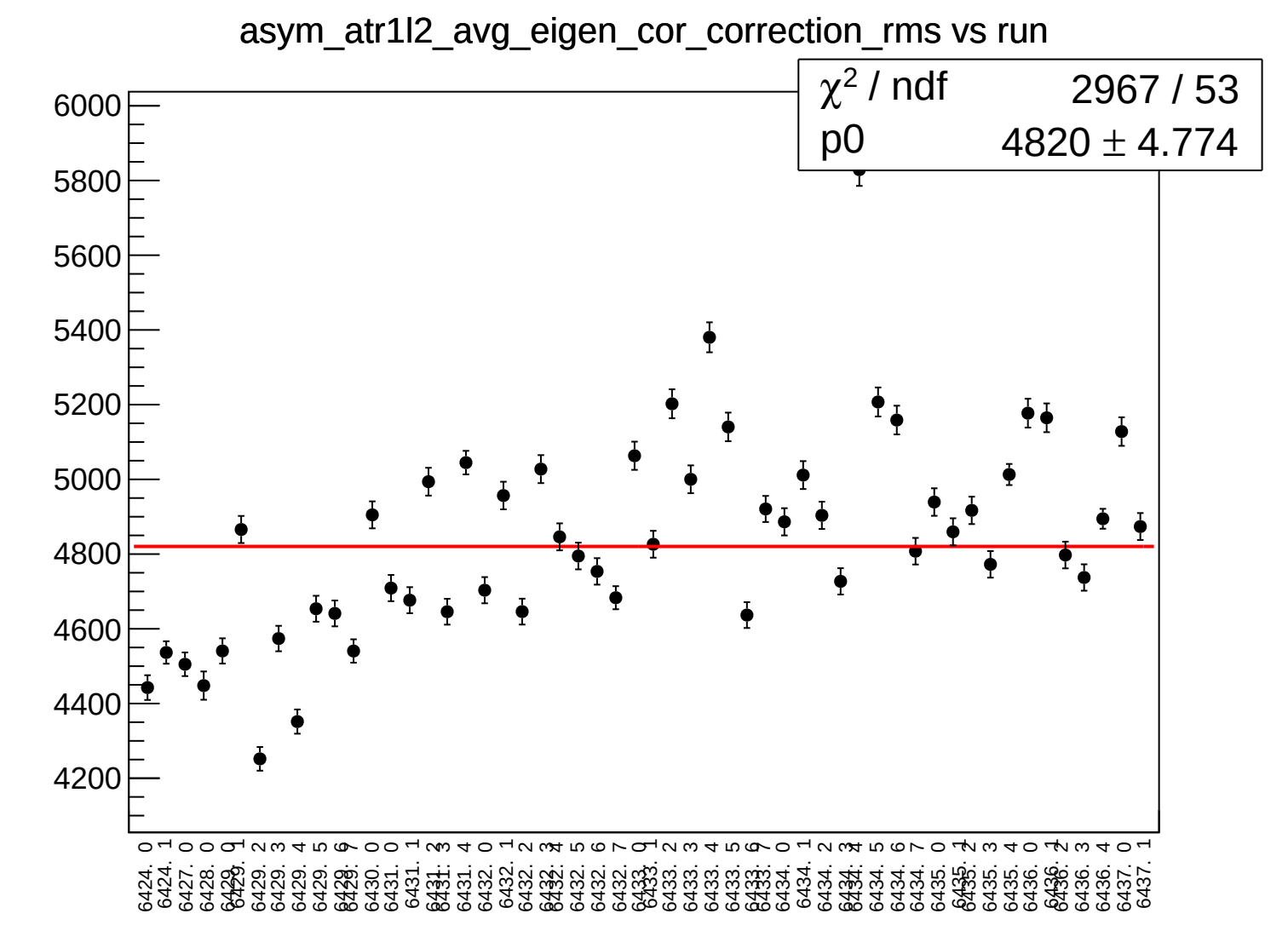

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 45.7 / 53
p0 −5998 ± 2718
pull
Entries 54
Mean 94.19
Std Dev 0

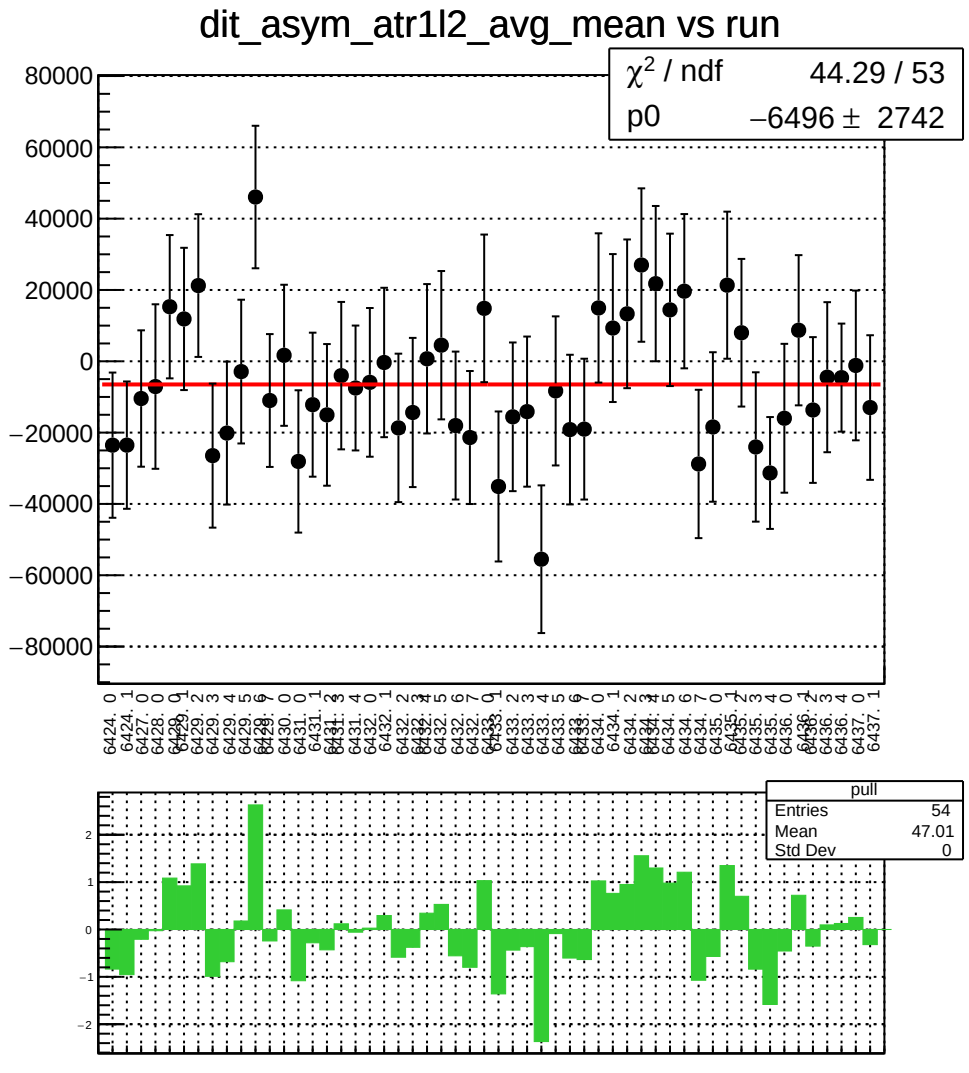

pull1D
Entries 54
Mean 0.01587
Std Dev 0.9198

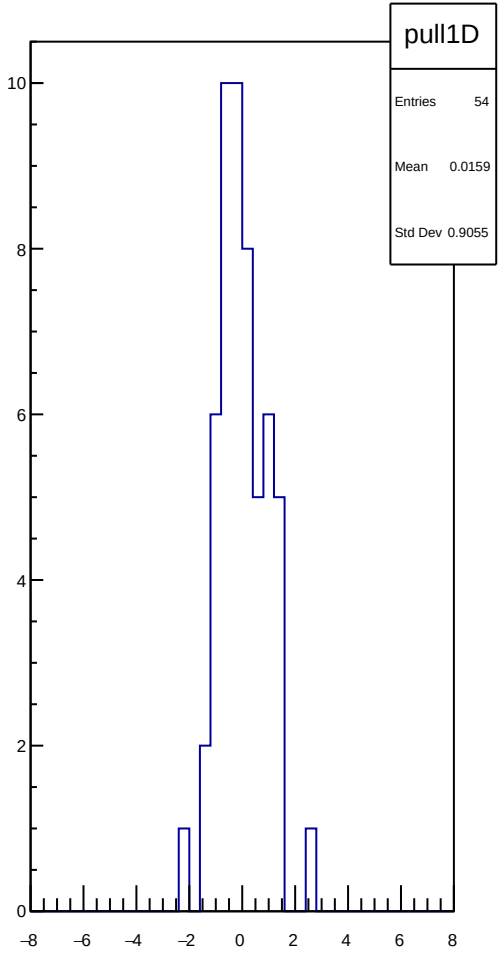

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 420.4 / 53
p0 1943 ± 1.922
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

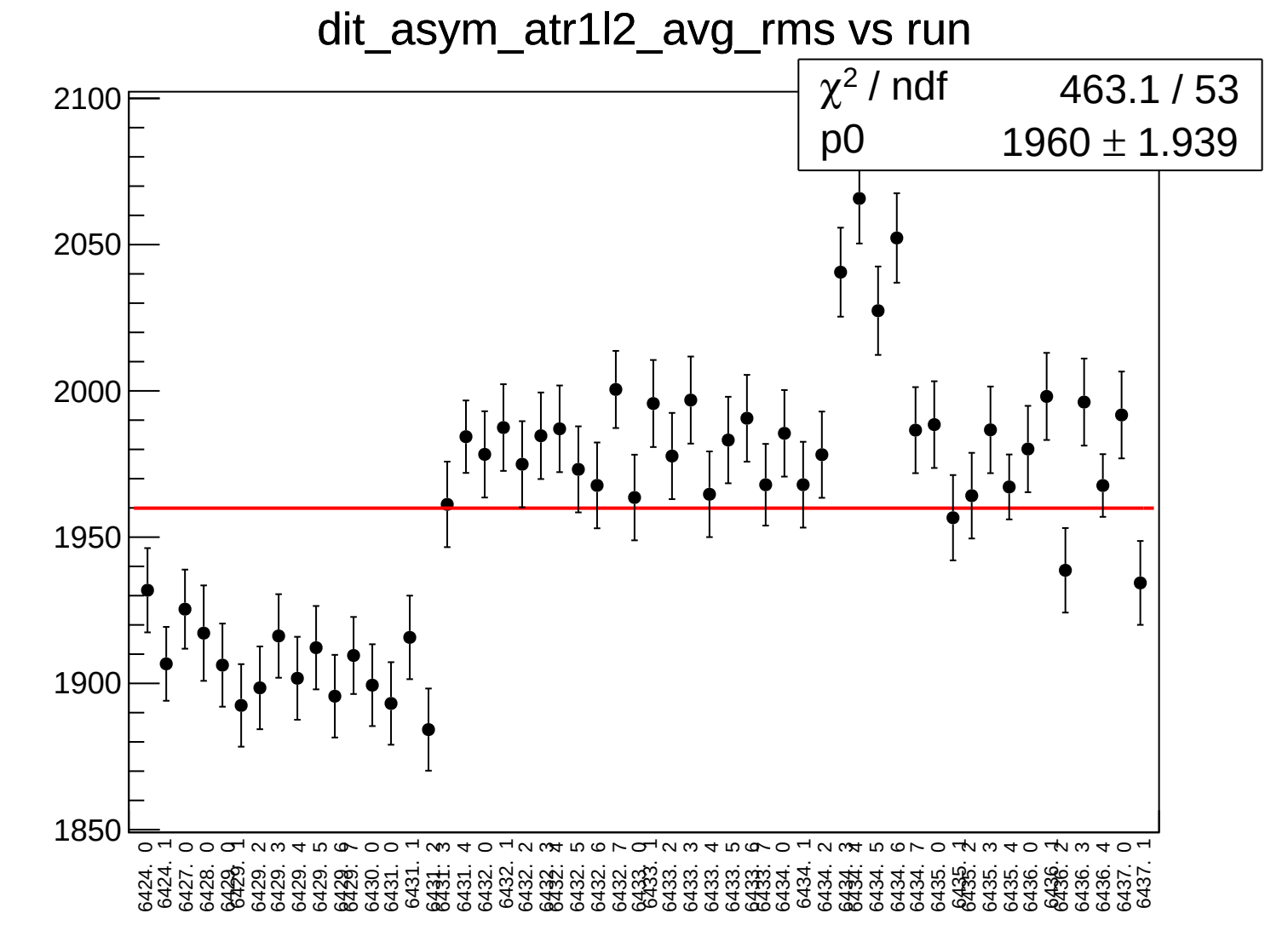

asym_atr1l2_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.73 / 53
p0 −2655 ± 6751
pull
Entries 54
Mean 264.6
Std Dev 0

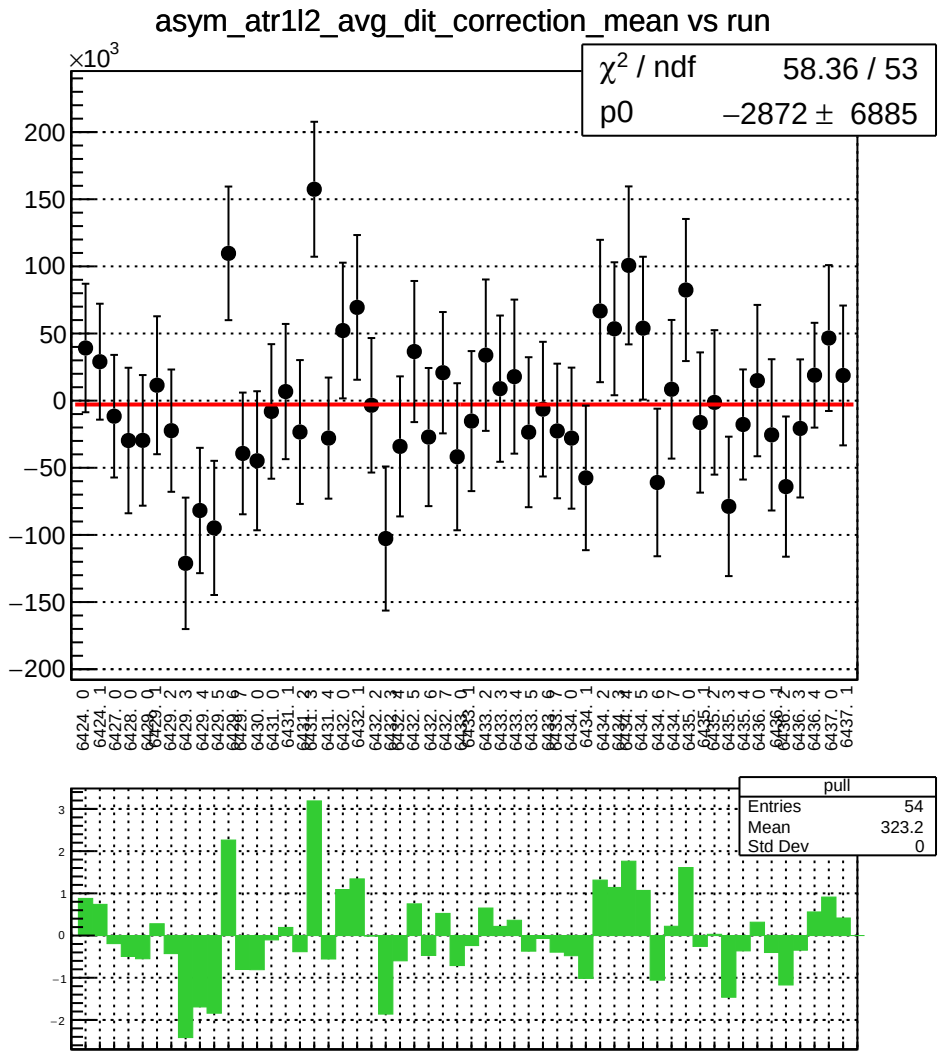

pull1D
Entries 54
Mean 0.007679
Std Dev 1.034

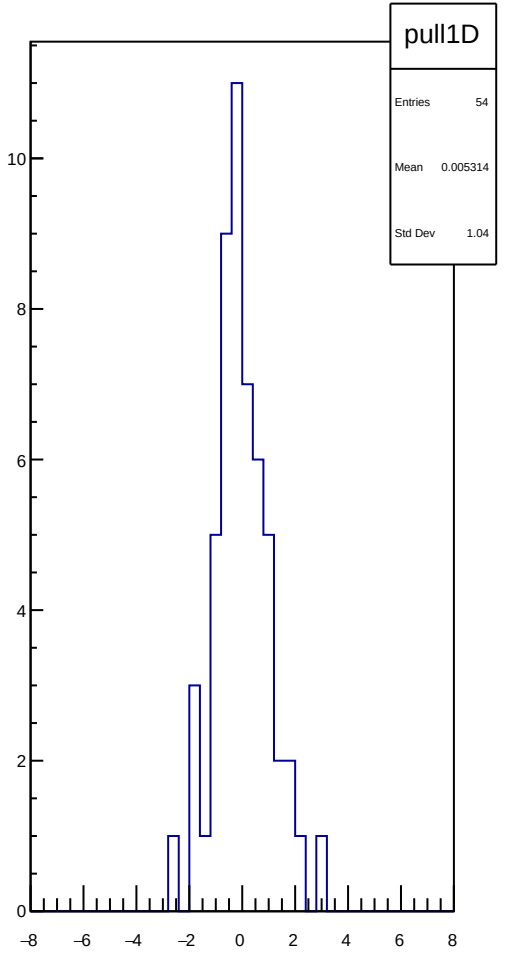

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2967 / 53
p0 4820 ± 4.774
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

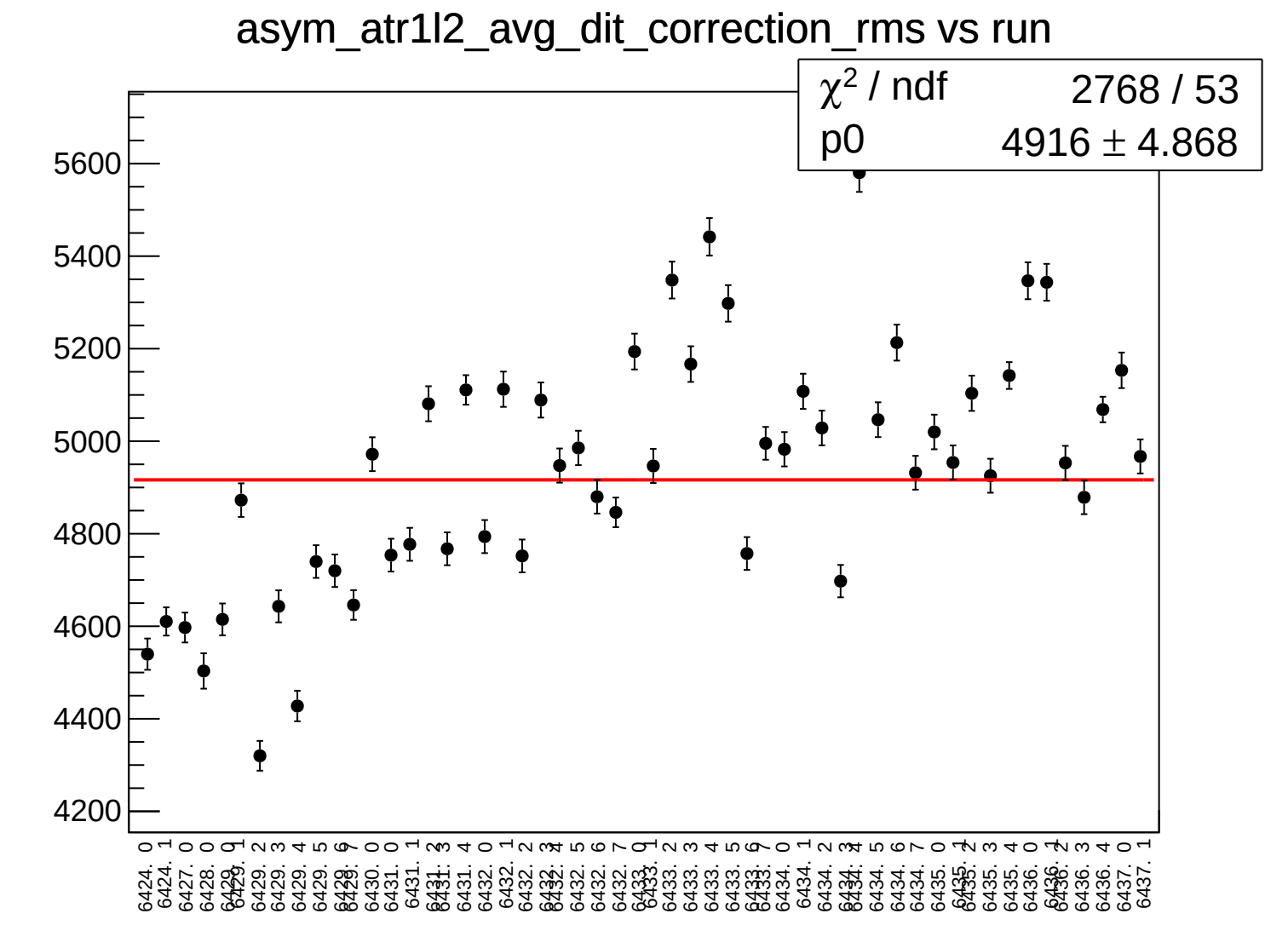

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 44.29 / 53
p0 −6496 ± 2742
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 47.01
Std Dev 0

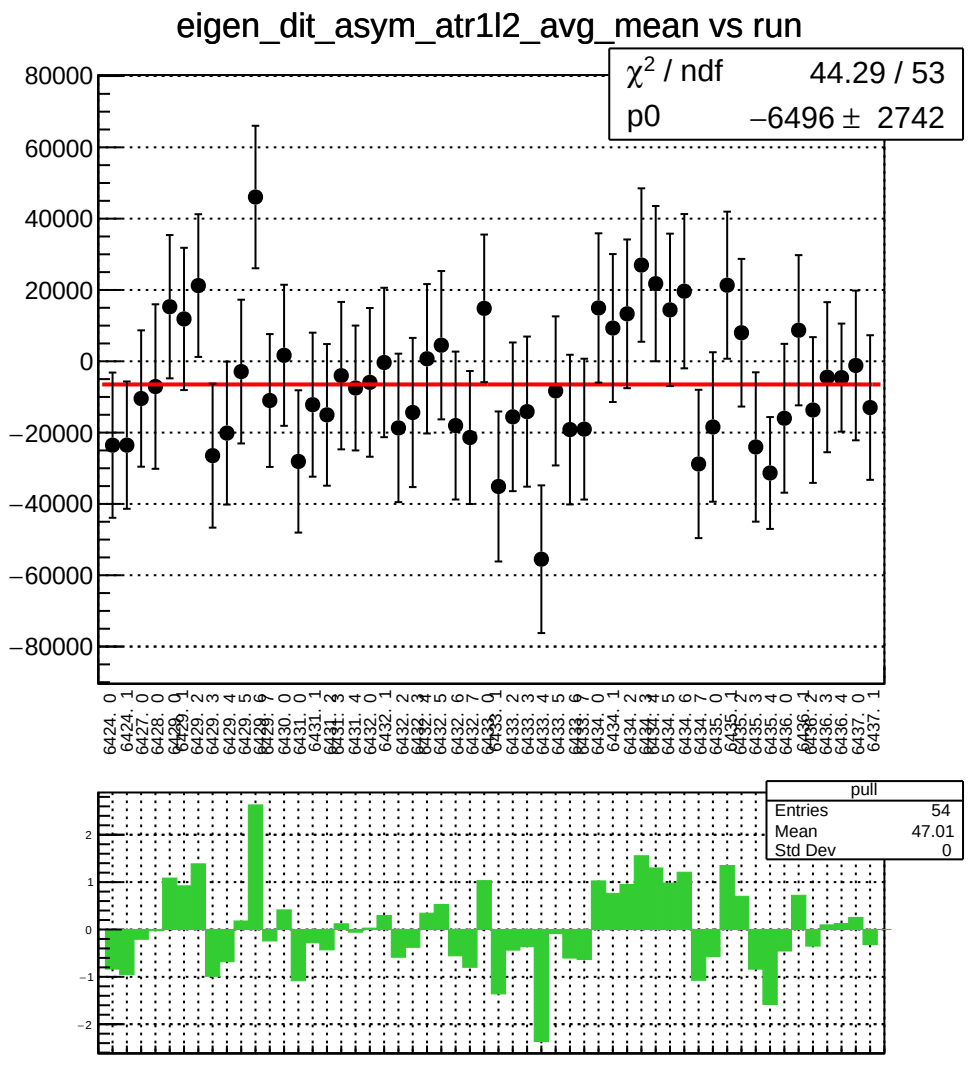

pull1D
Entries 54
Mean 0.0159
Std Dev 0.9055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

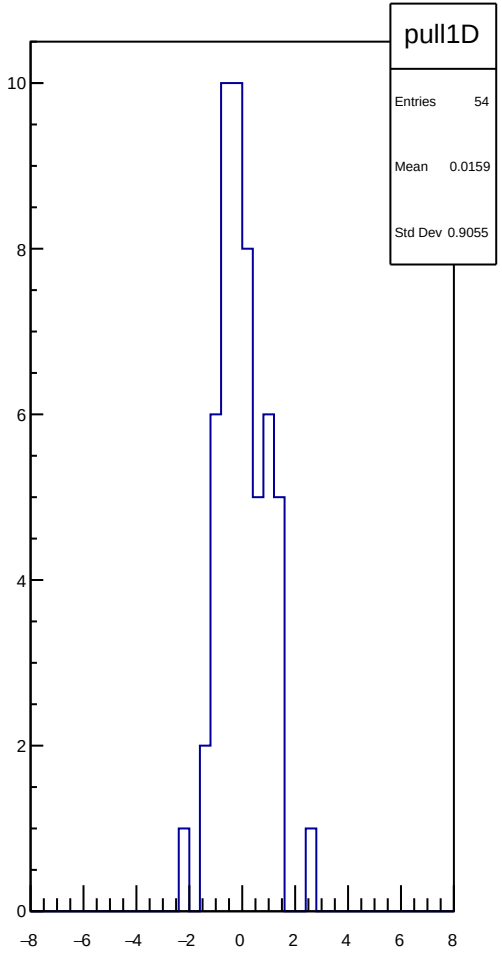

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 463.1 / 53
p0 1960 ± 1.939
2100
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

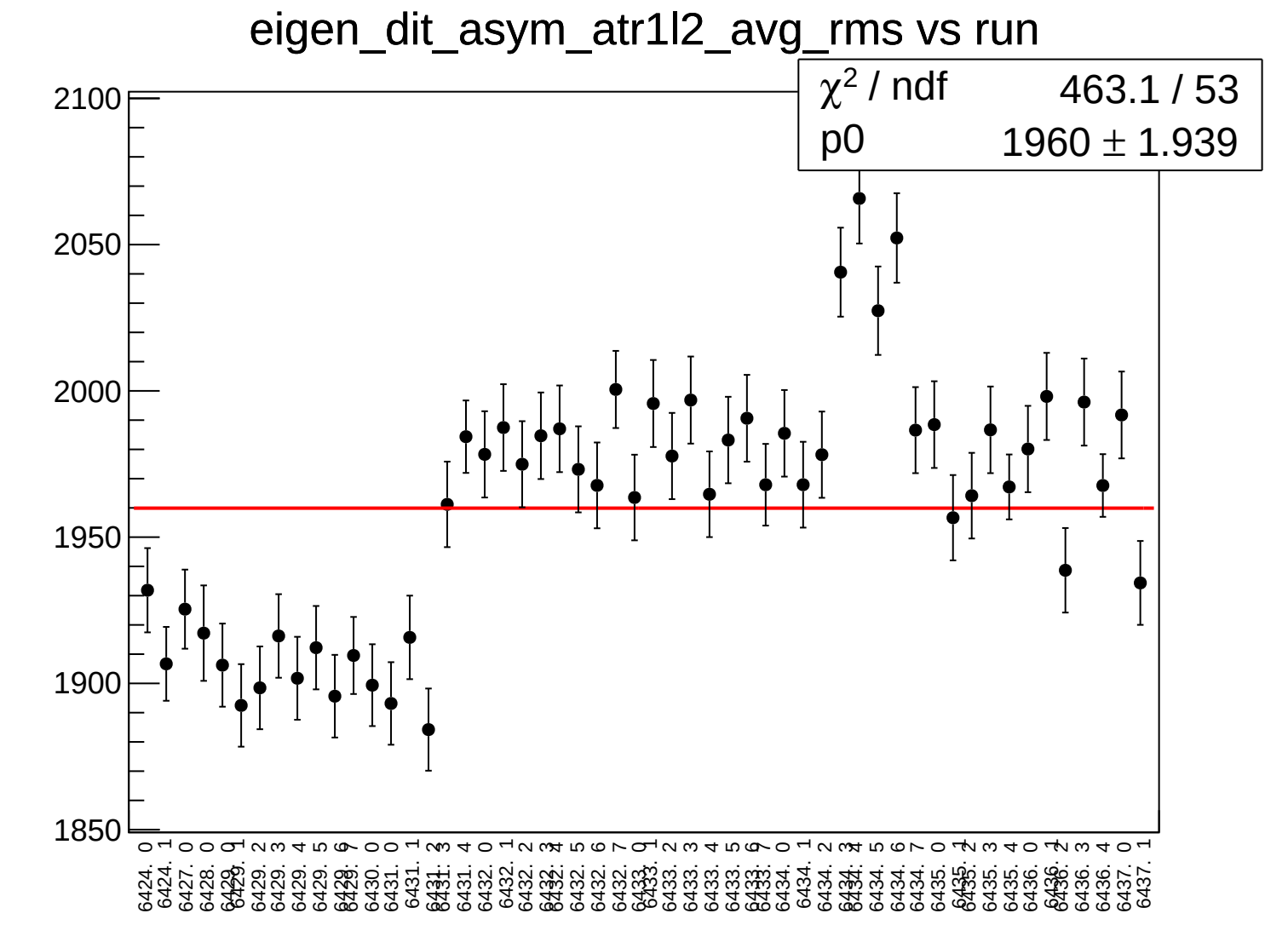

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 58.36 / 53
p0 −2872 ± 6885
pull
Entries 54
Mean 323.2
Std Dev 0

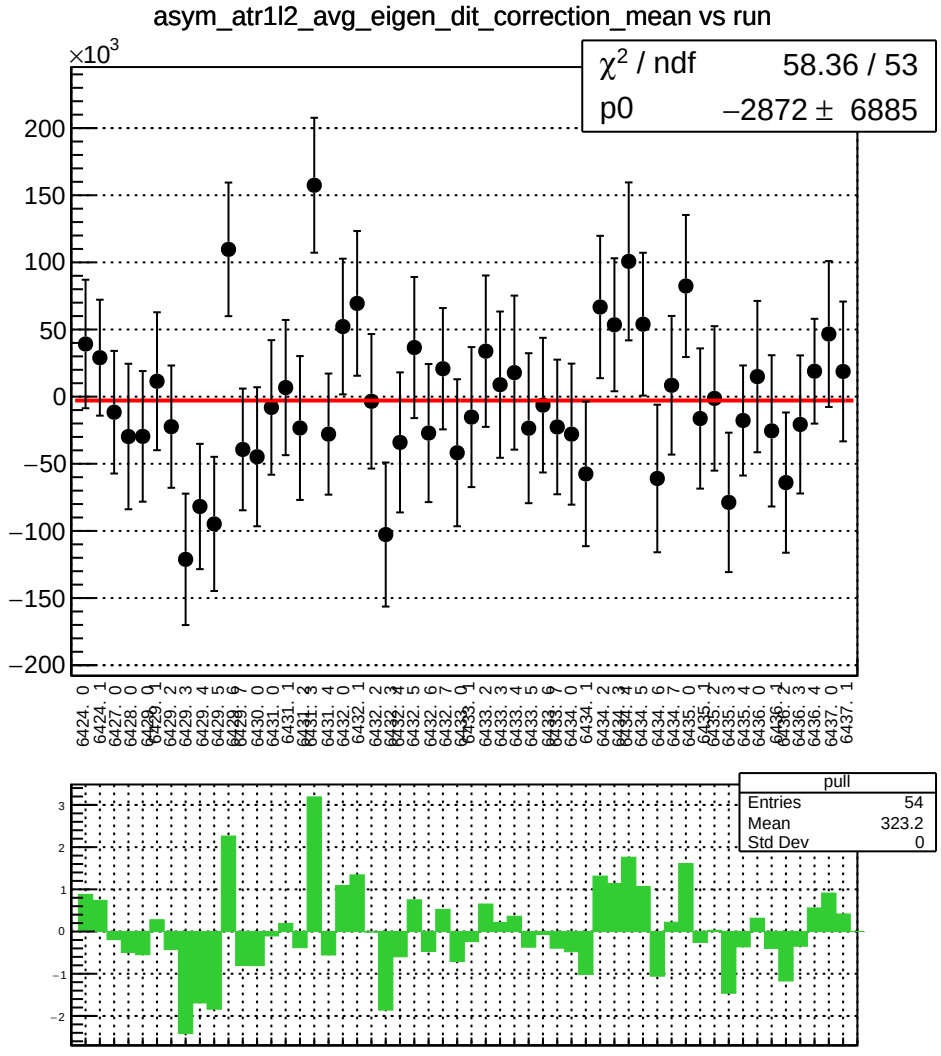

pull1D
Entries 54
Mean 0.005314
Std Dev 1.04

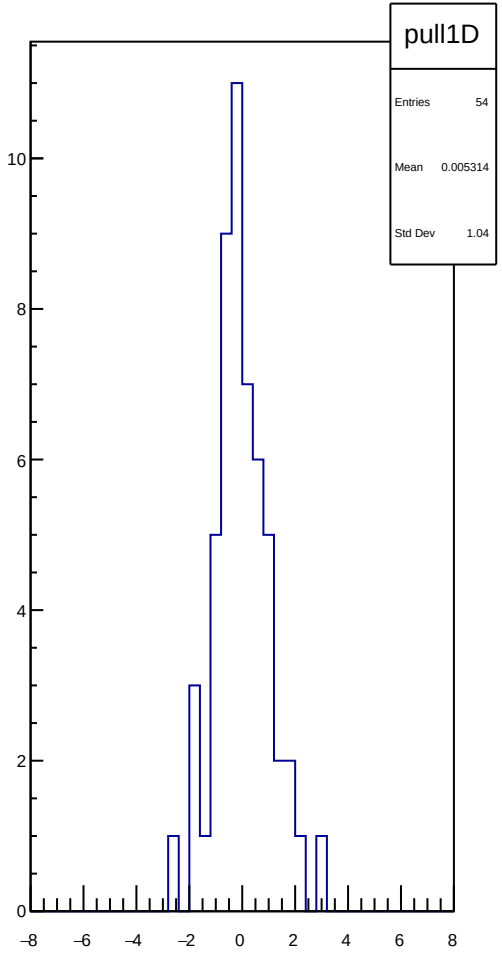

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 2768 / 53
p0 4916 ± 4.868
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

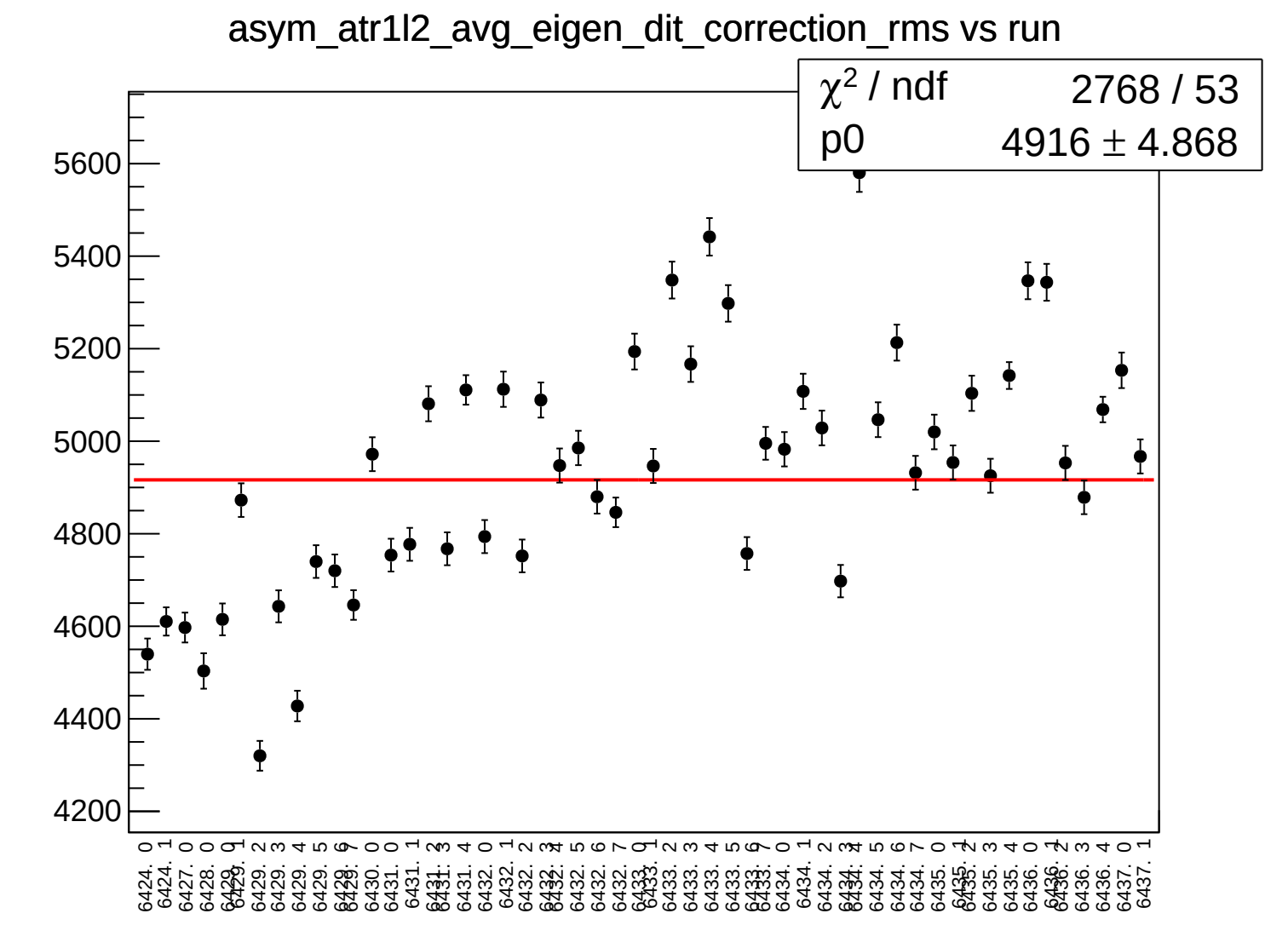

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 44.29 / 53
p0 −6496 ± 2742
pull
Entries 54
Mean 47.01
Std Dev 0

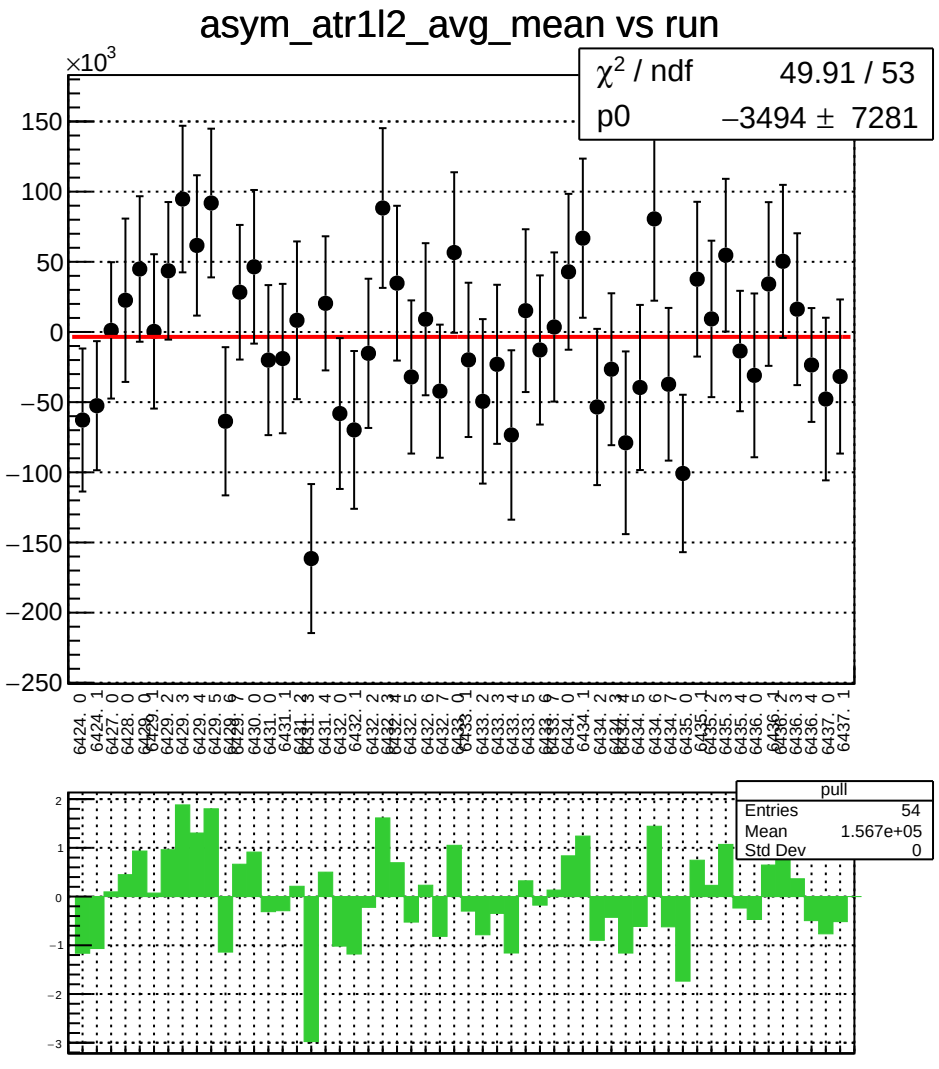

pull1D
Entries 54
Mean 0.0159
Std Dev 0.9055

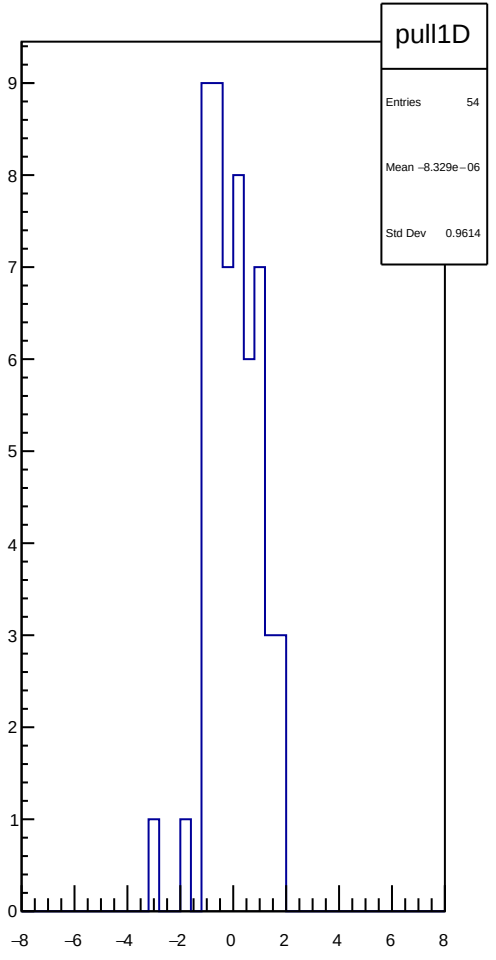

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 463.1 / 53
p0 1960 ± 1.939
2100
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

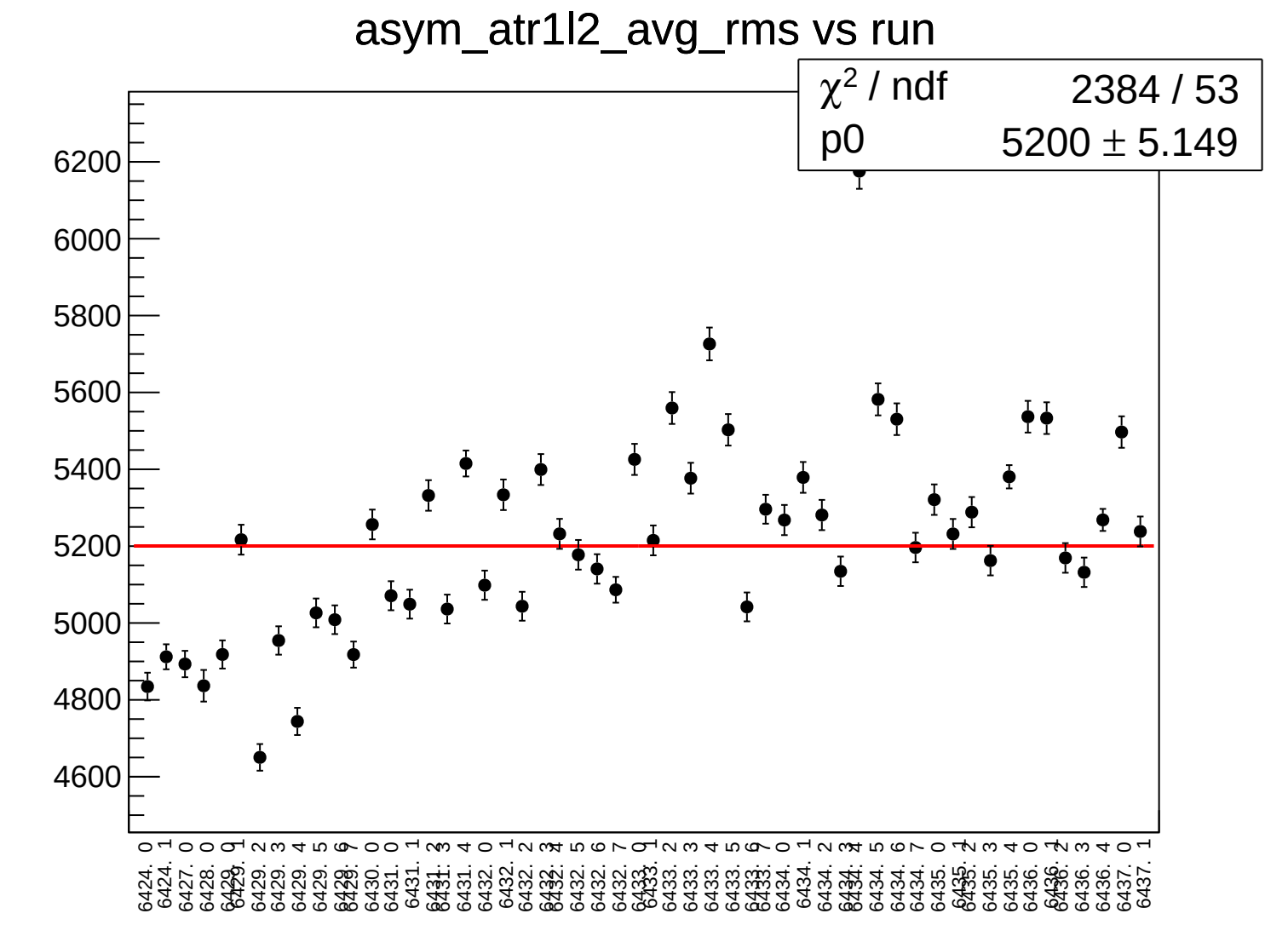

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 58.36 / 53
p0 −2872 ± 6885
pull
Entries 54
Mean 323.2
Std Dev 0

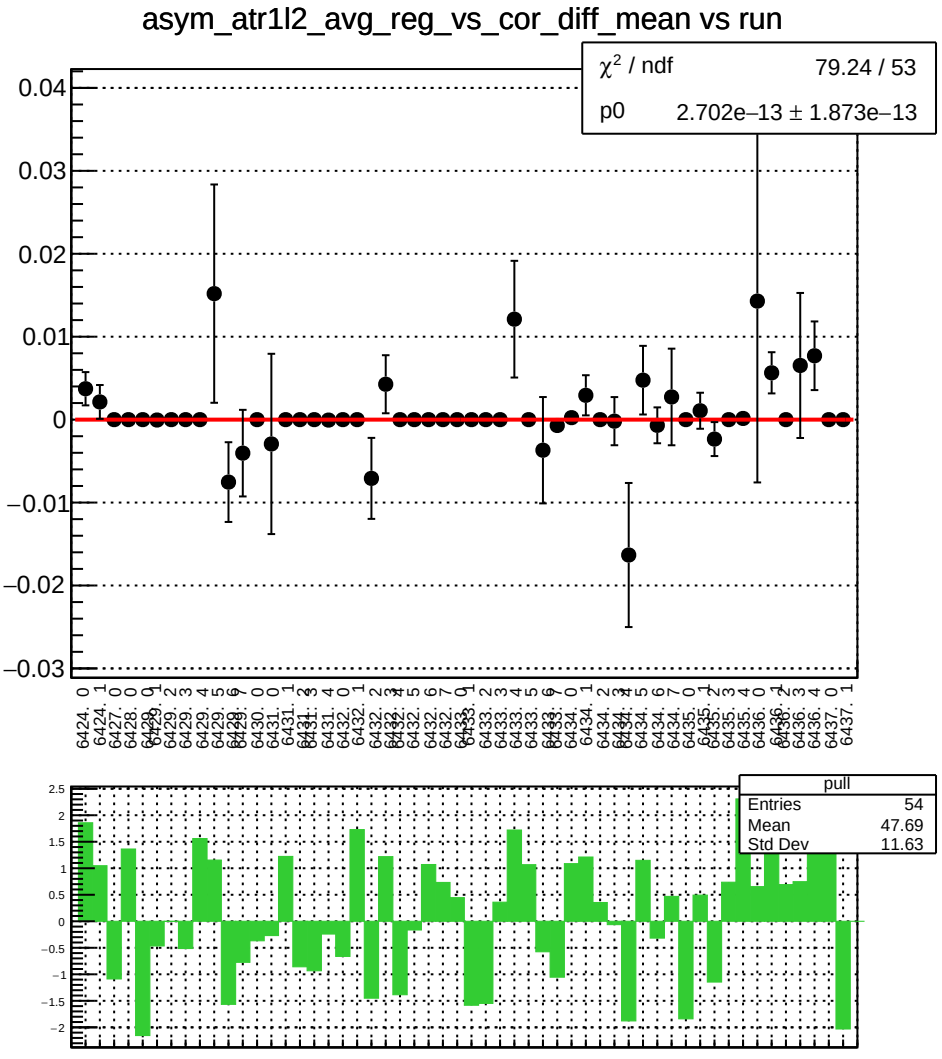

pull1D
Entries 54
Mean 0.005314
Std Dev 1.04

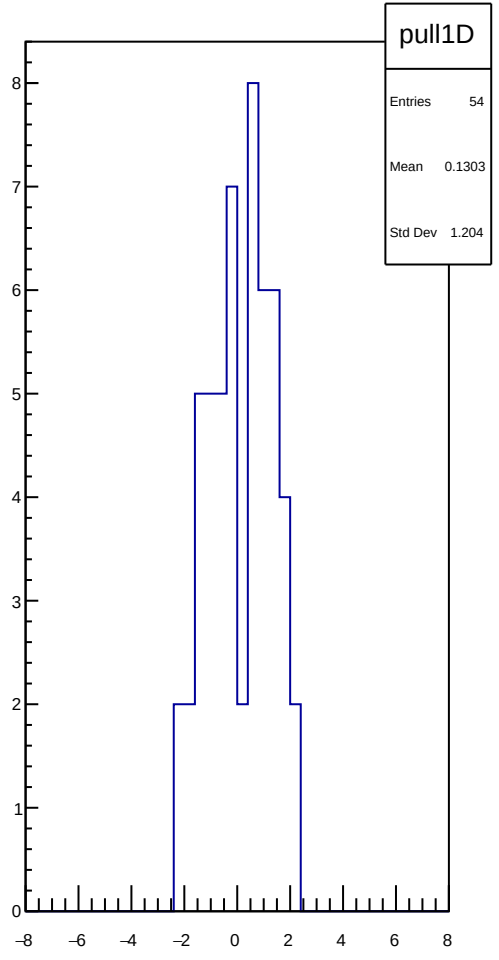

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2768 / 53
p0 4916 ± 4.868
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

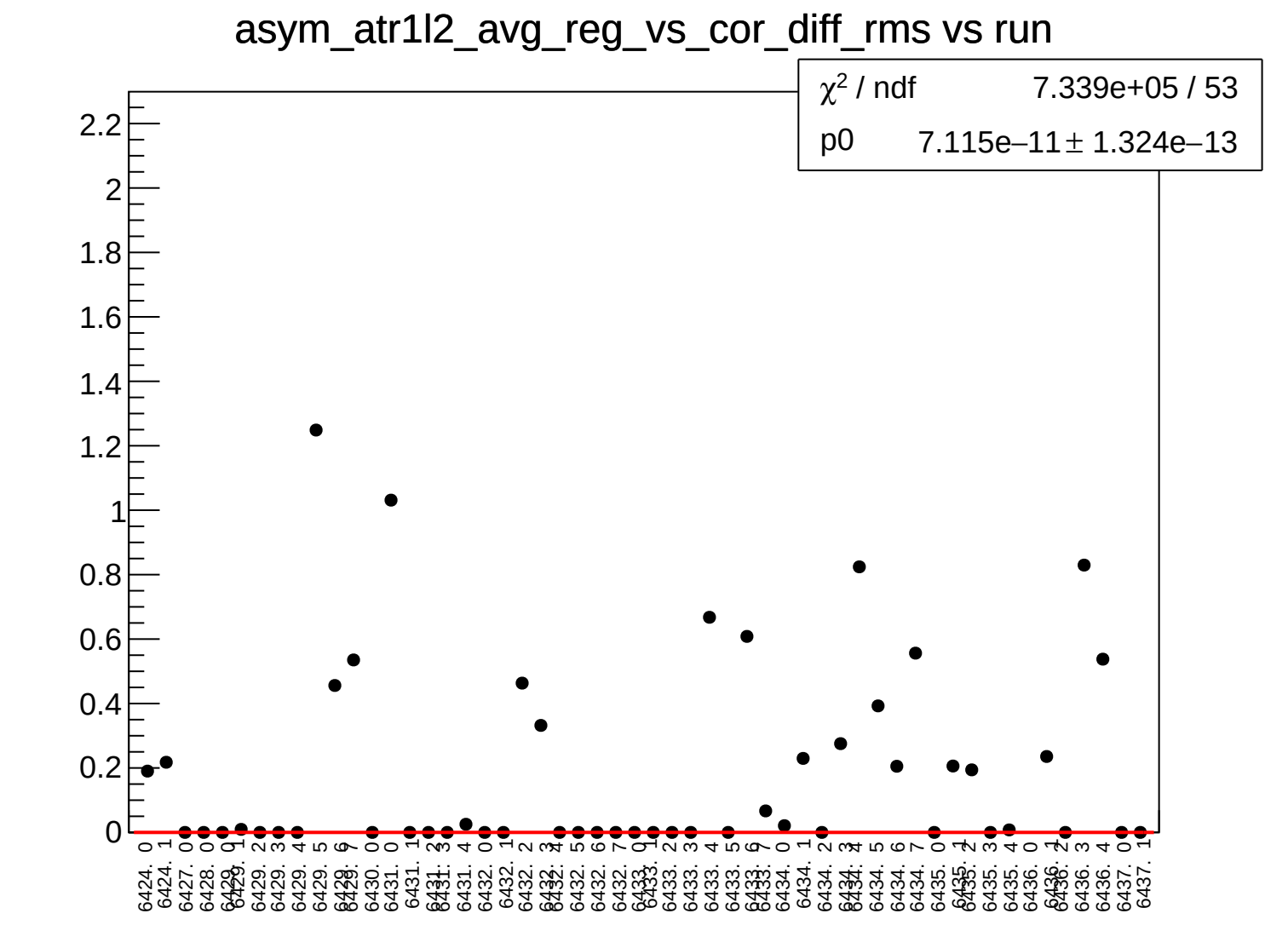

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 49.91 / 53
p0 −3494 ± 7281
pull
Entries 54
Mean 1.567e+05
Std Dev 0

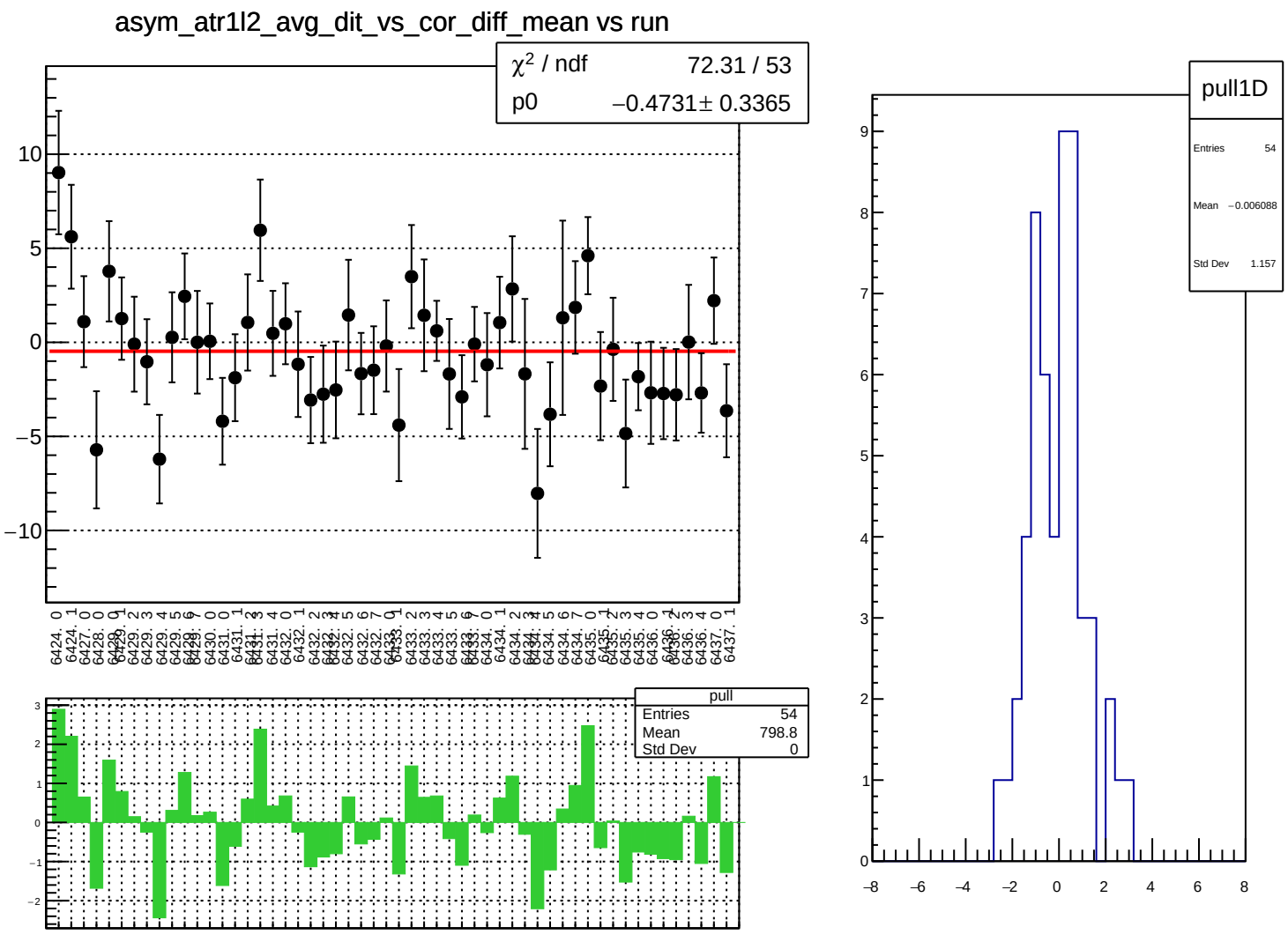

pull1D
Entries 54
Mean −8.329e−06
Std Dev 0.9614

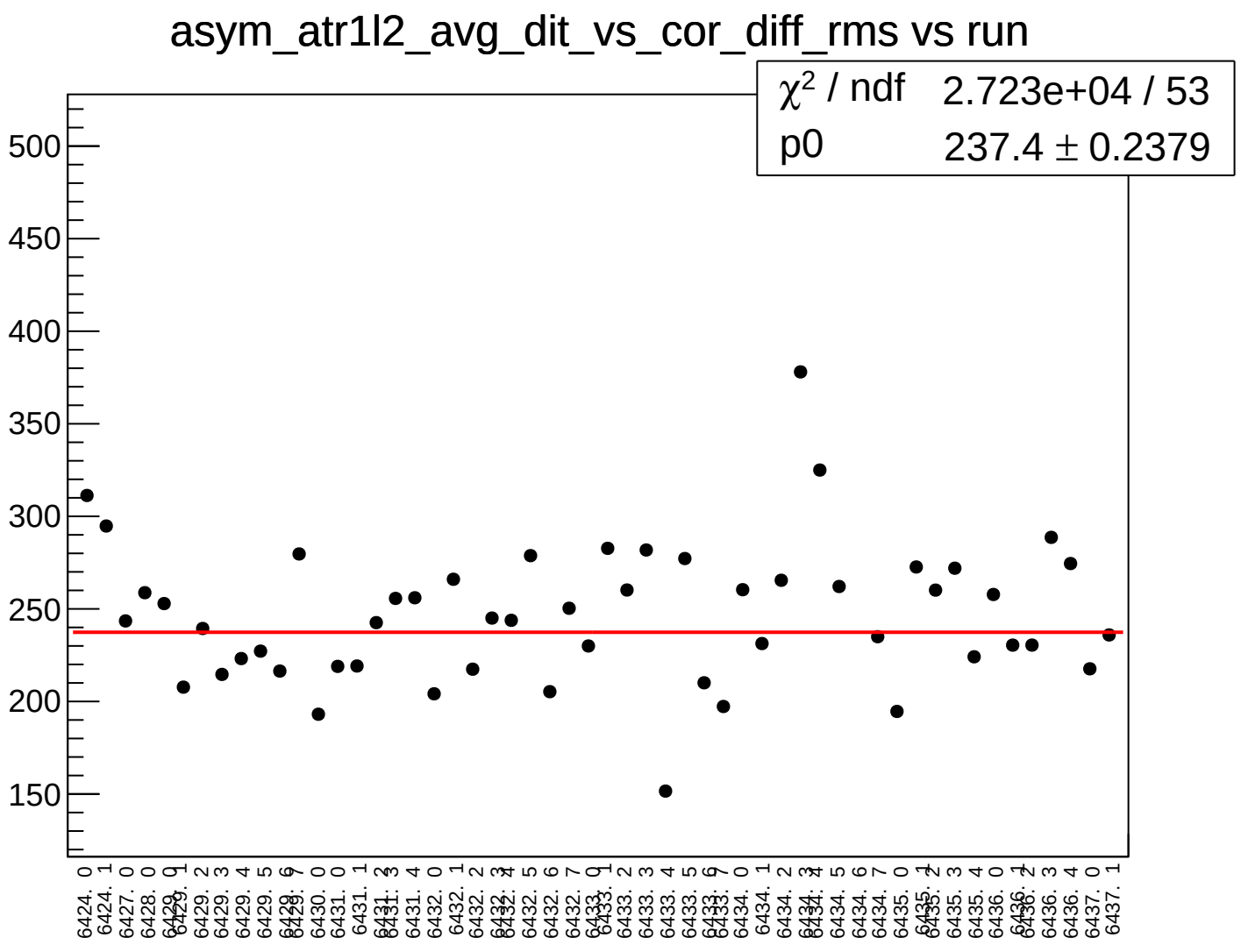

asym_atr1l2_avg_rms vs run
χ² / ndf 2384 / 53
p0 5200 ± 5.149
6200
6000
5800
5600
5400
5200
5000
4800
4600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

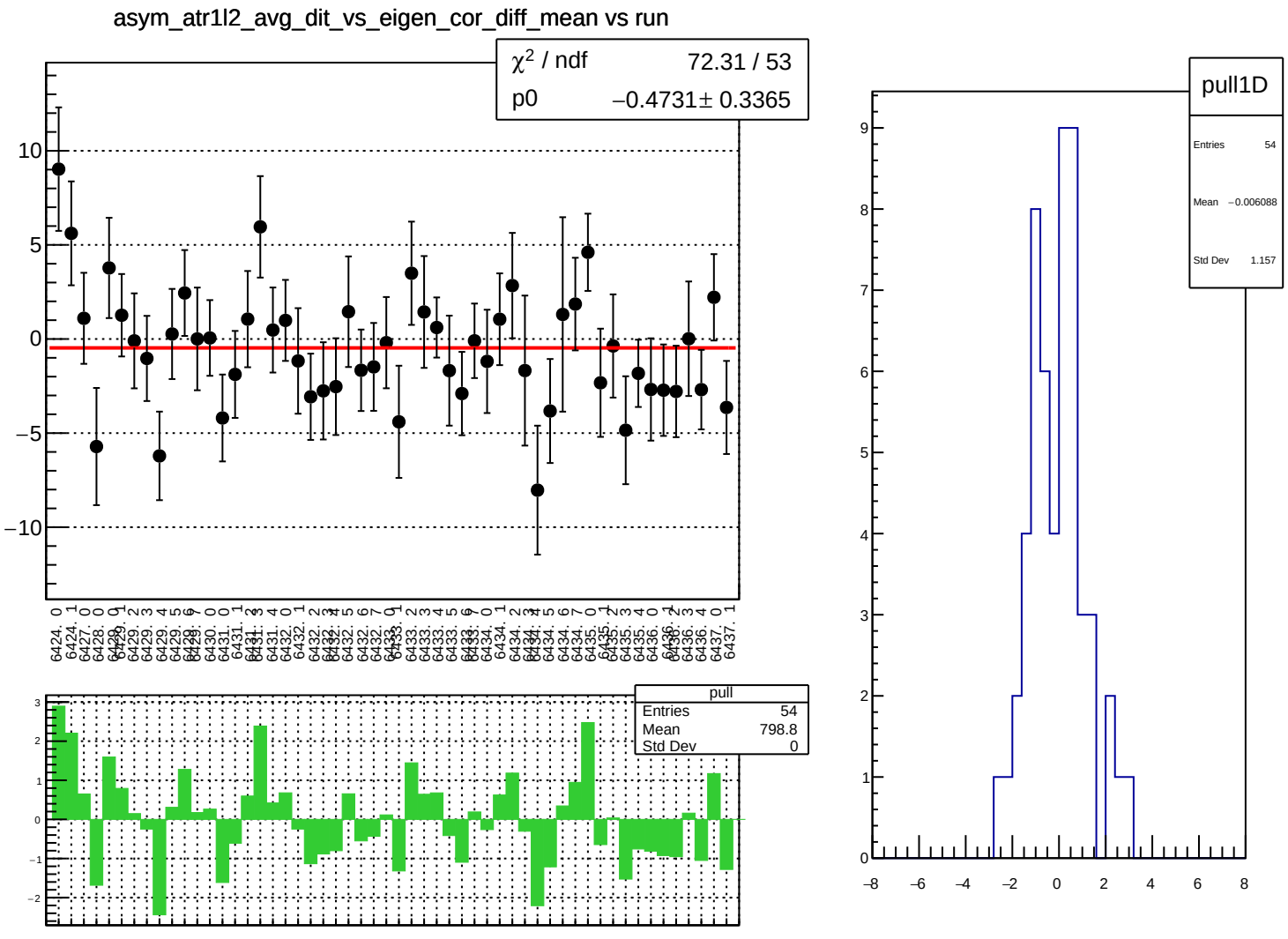

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.24 / 53
p0 2.702e−13 ± 1.873e−13
pull
Entries 54
Mean 47.69
Std Dev 11.63

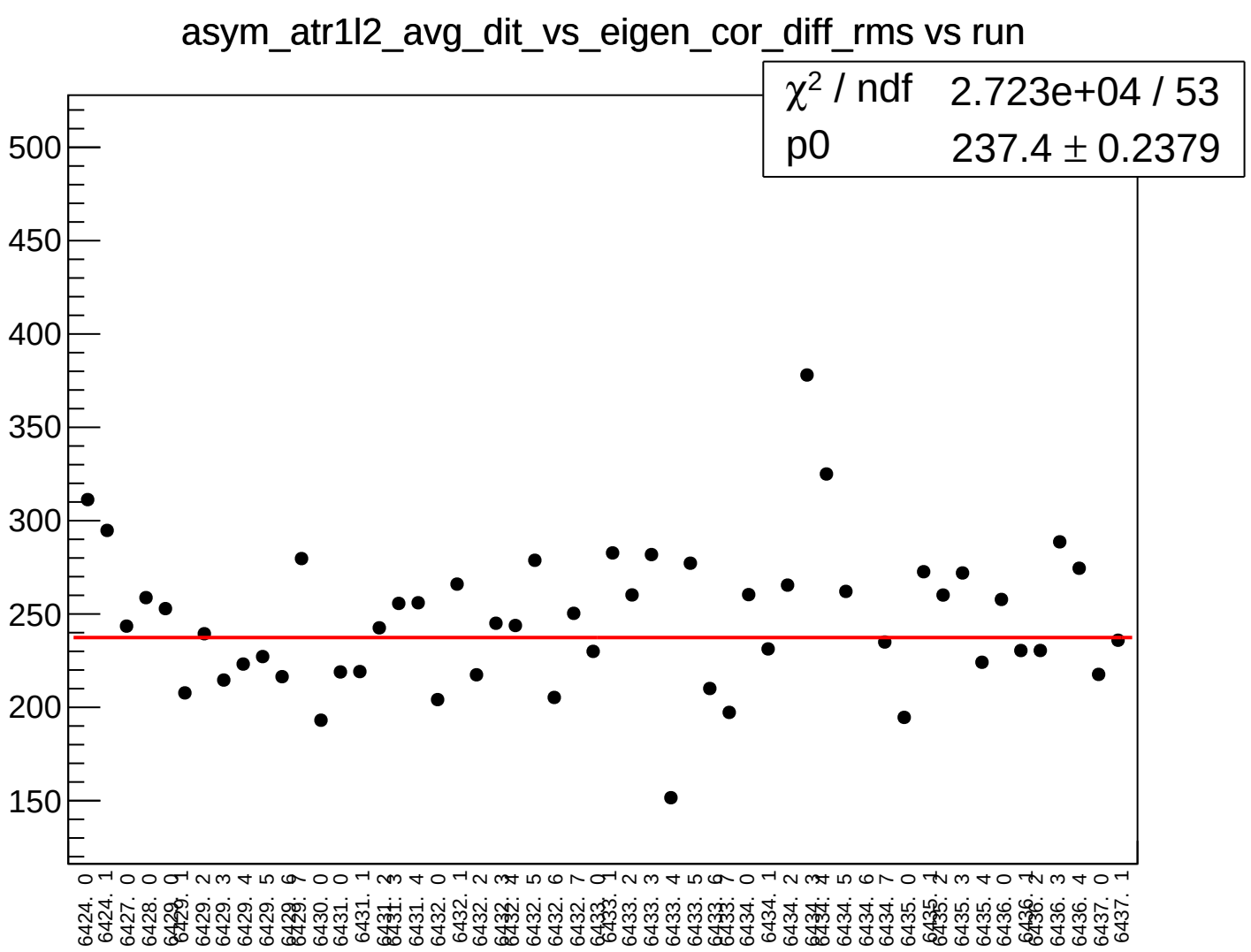

pull1D
Entries 54
Mean 0.1303
Std Dev 1.204

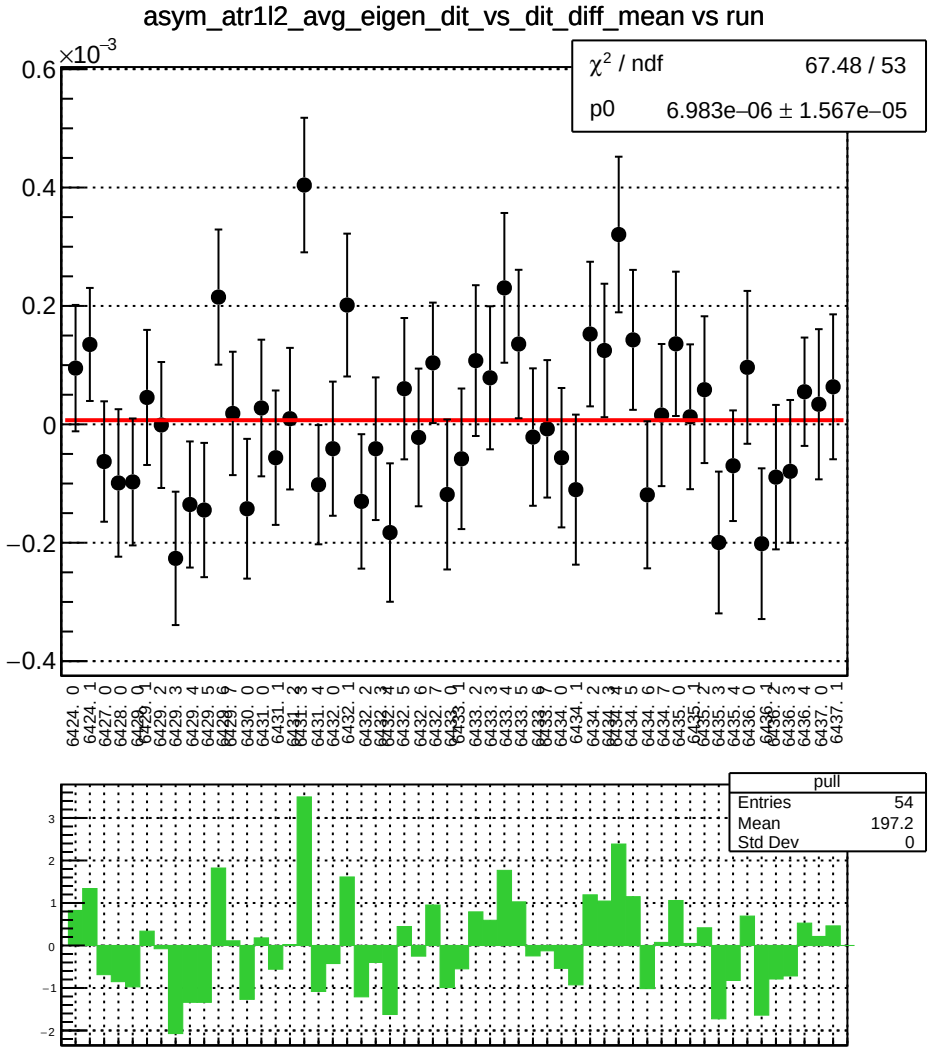

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.339e+05 / 53
p0 7.115e−11 ± 1.324e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

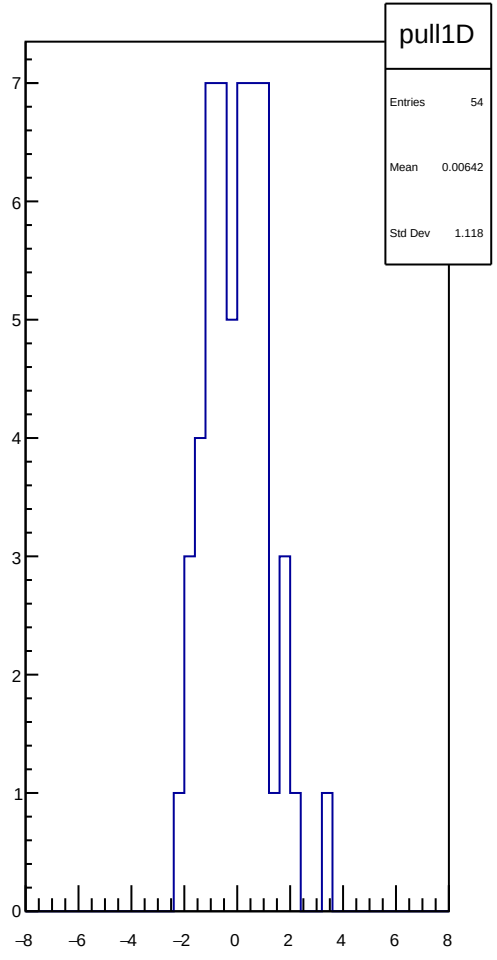

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.31 / 53
p0 −0.4731± 0.3365
pull
Entries 54
Mean 798.8
Std Dev 0
pull1D
Entries 54
Mean −0.006088
Std Dev 1.157

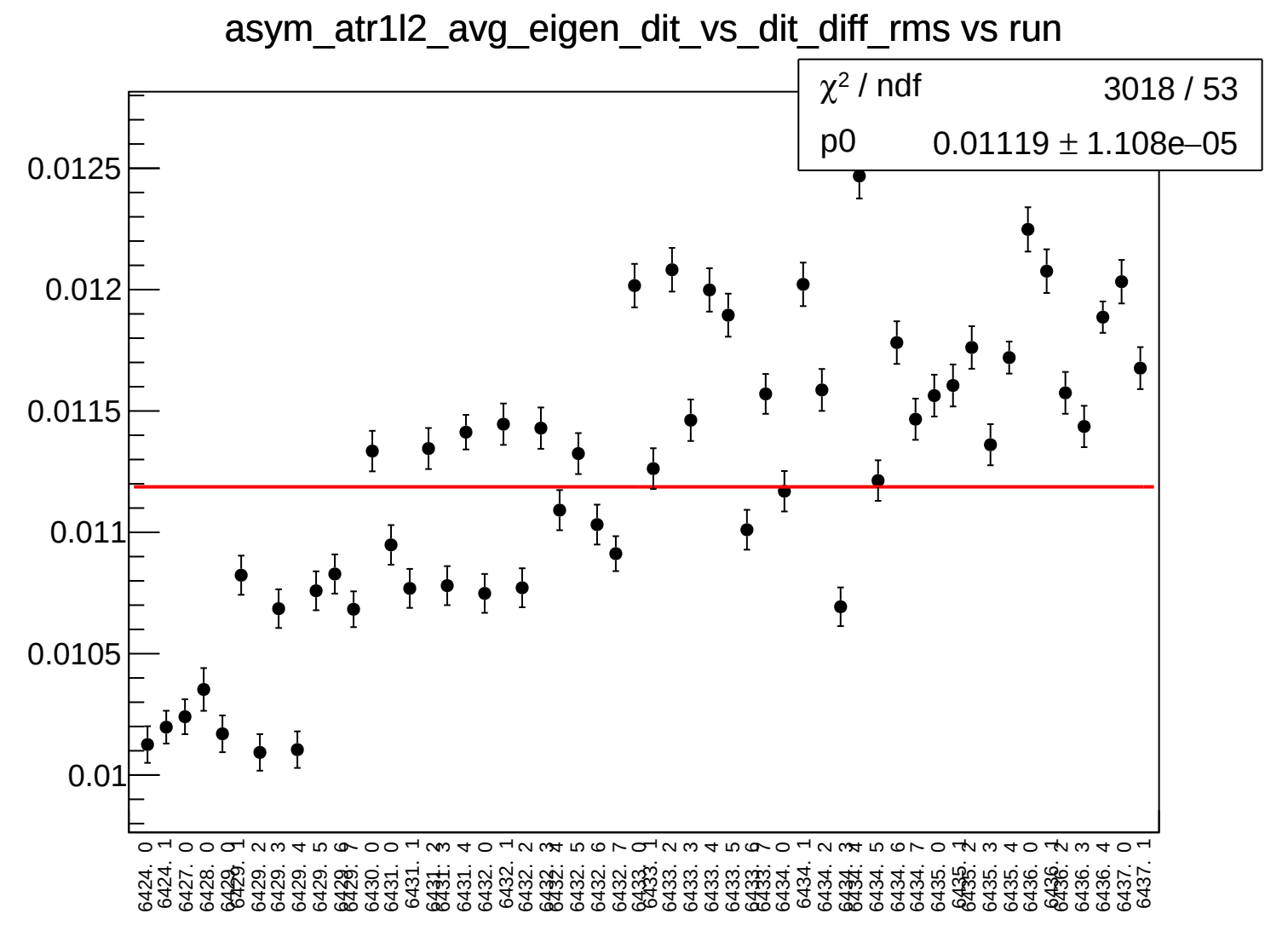

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 53
p0 237.4 ± 0.2379
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

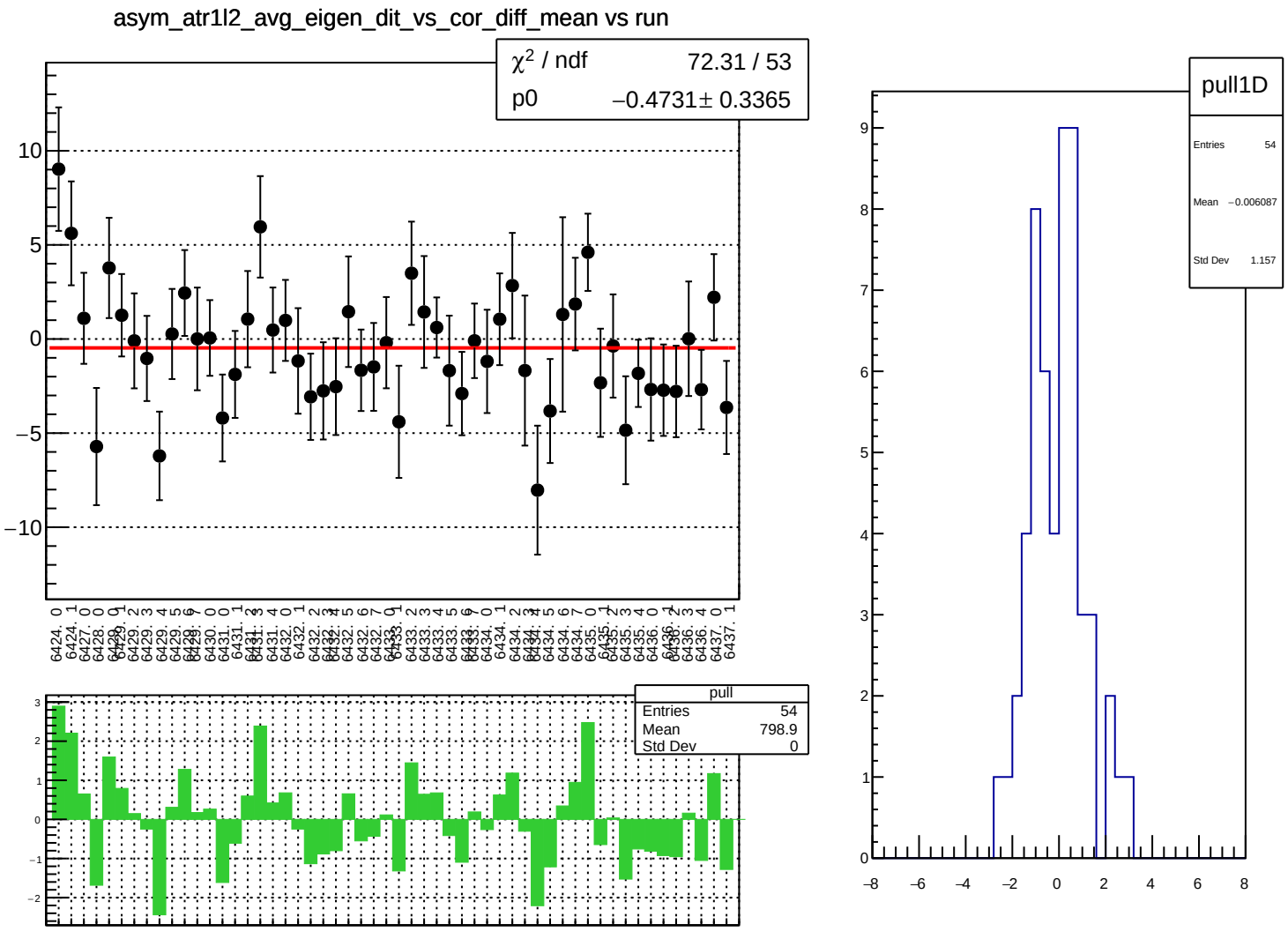

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.31 / 53
p0 −0.4731± 0.3365
pull
Entries 54
Mean 798.8
Std Dev 0
pull1D
Entries 54
Mean −0.006088
Std Dev 1.157

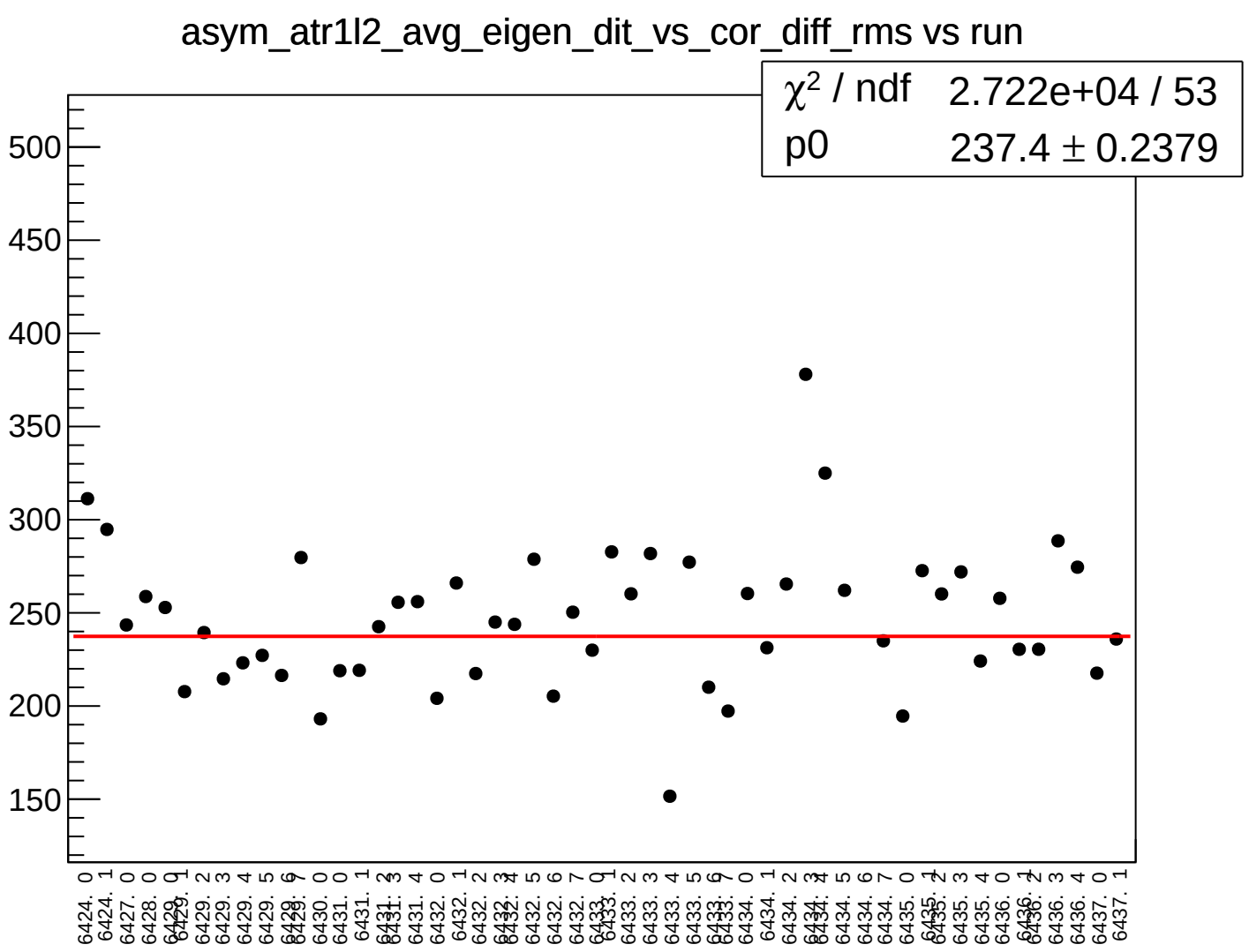

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.723e+04 / 53
p0 237.4 ± 0.2379
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

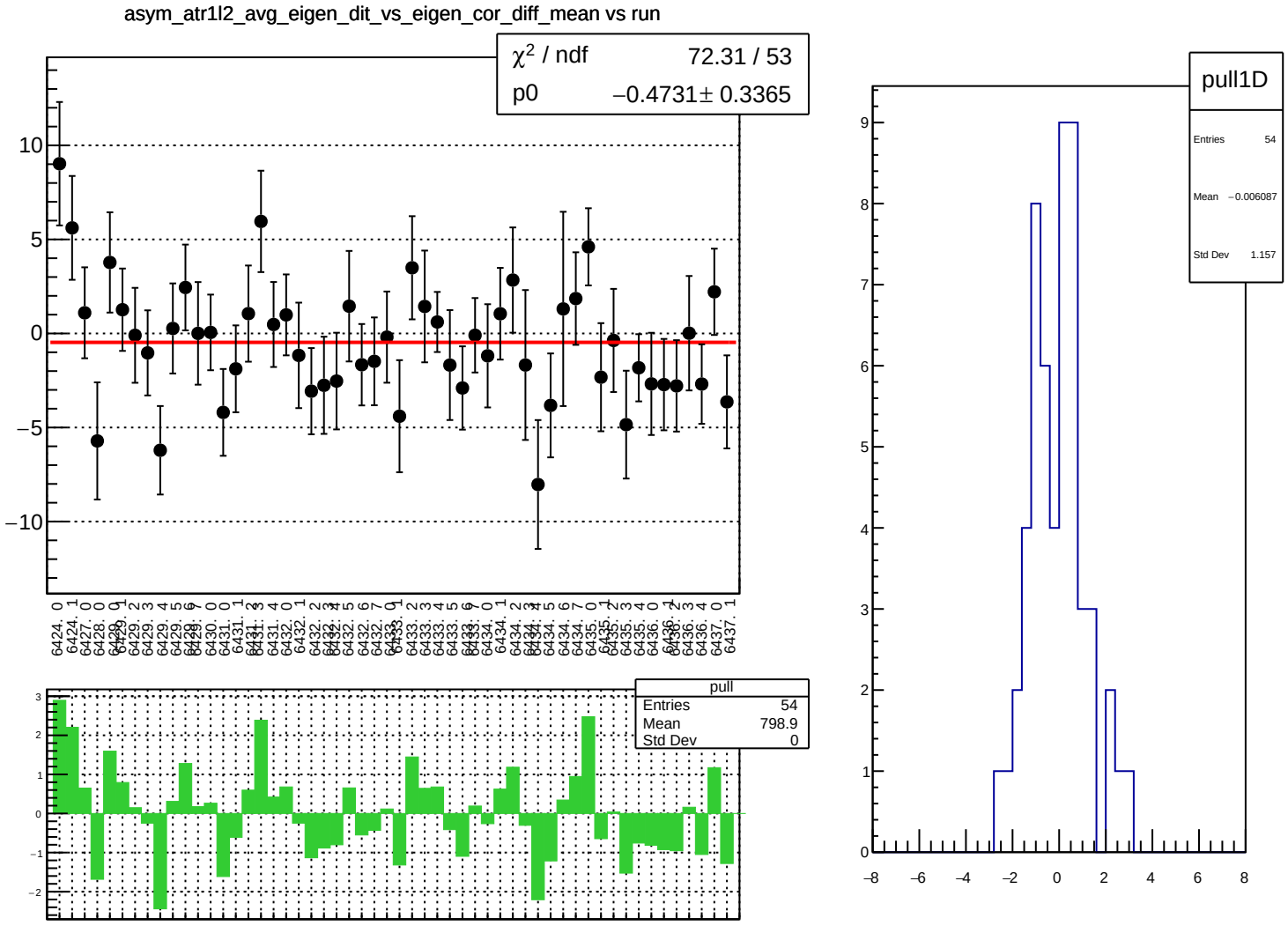

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.48 / 53
p0 6.983e−06 ± 1.567e−05
pull
Entries 54
Mean 197.2
Std Dev 0

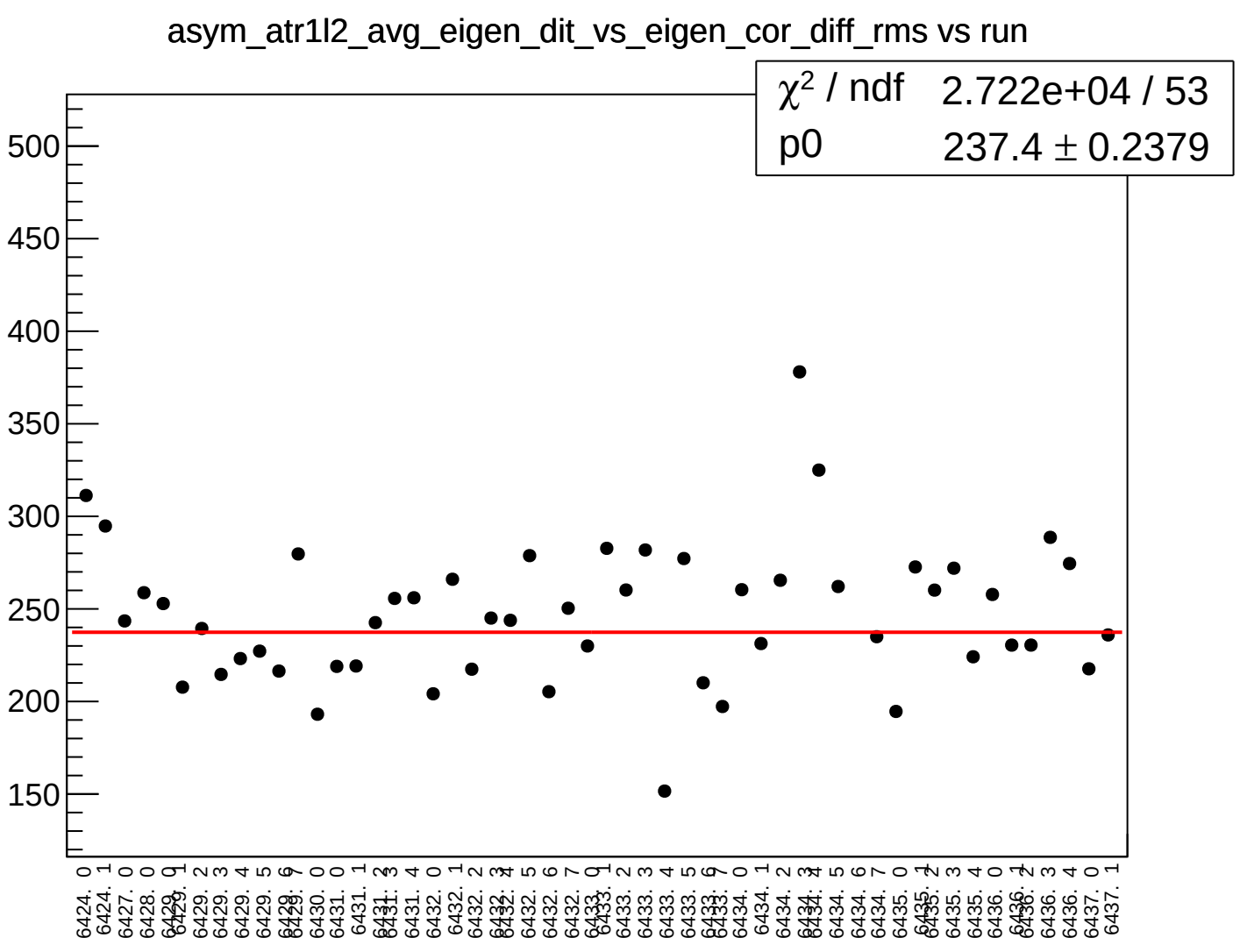

pull1D
Entries 54
Mean 0.00642
Std Dev 1.118

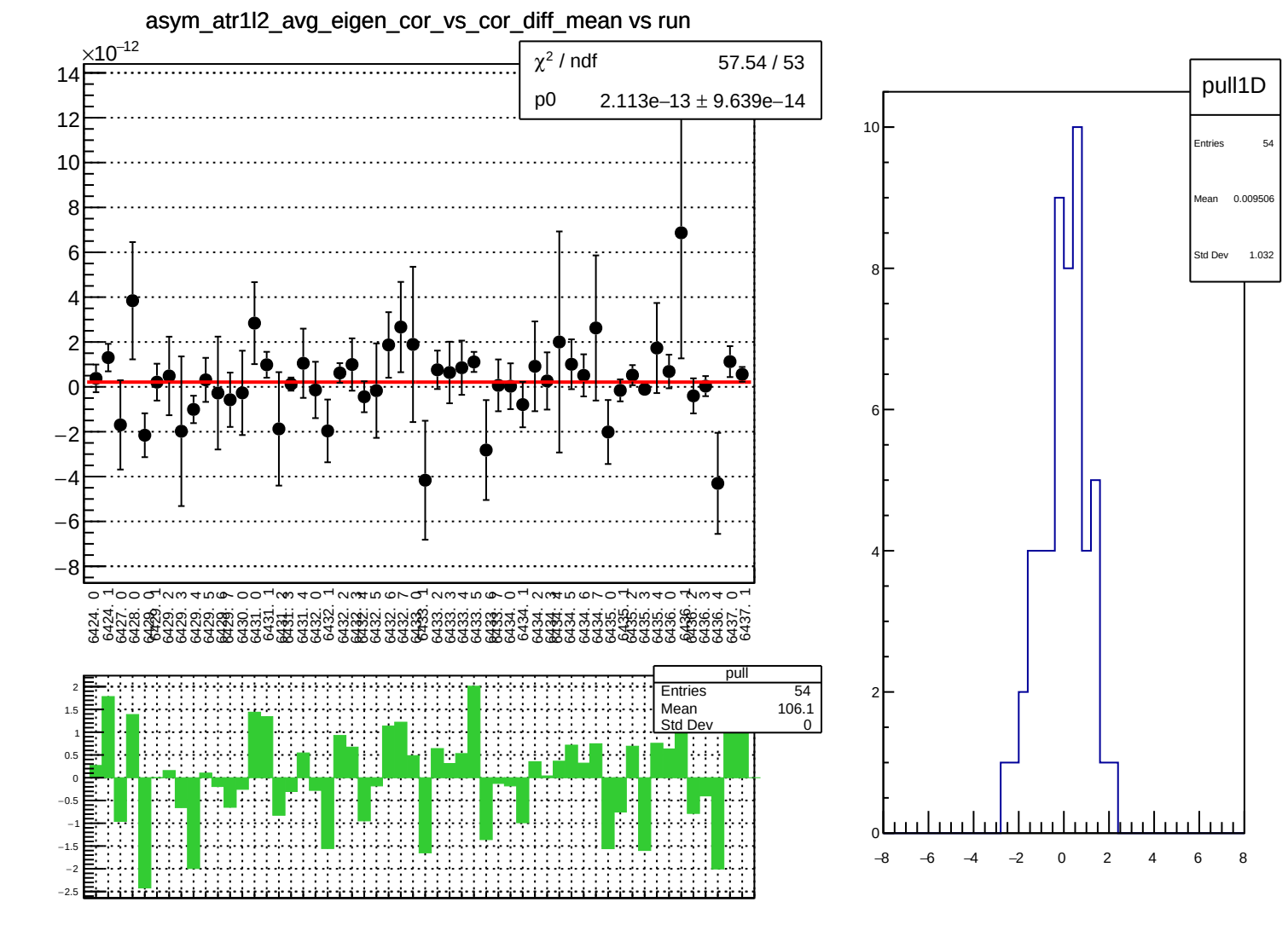

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3018 / 53
p0 0.01119 ± 1.108e–05
0.0125
0.012
0.0115
0.011
0.0105
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

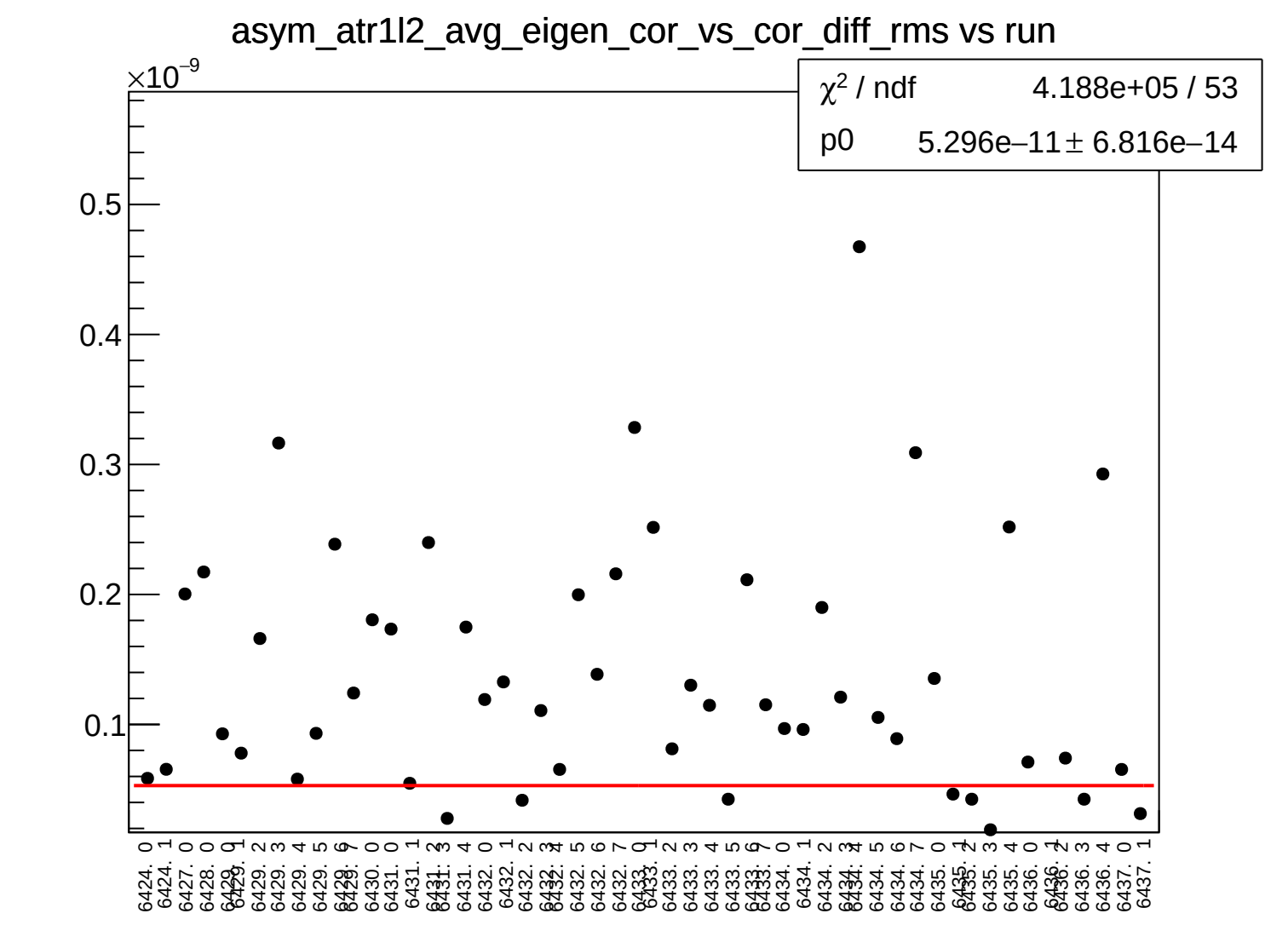

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.31 / 53
p0 −0.4731± 0.3365
pull
Entries 54
Mean 798.9
Std Dev 0
pull1D
Entries 54
Mean −0.006087
Std Dev 1.157

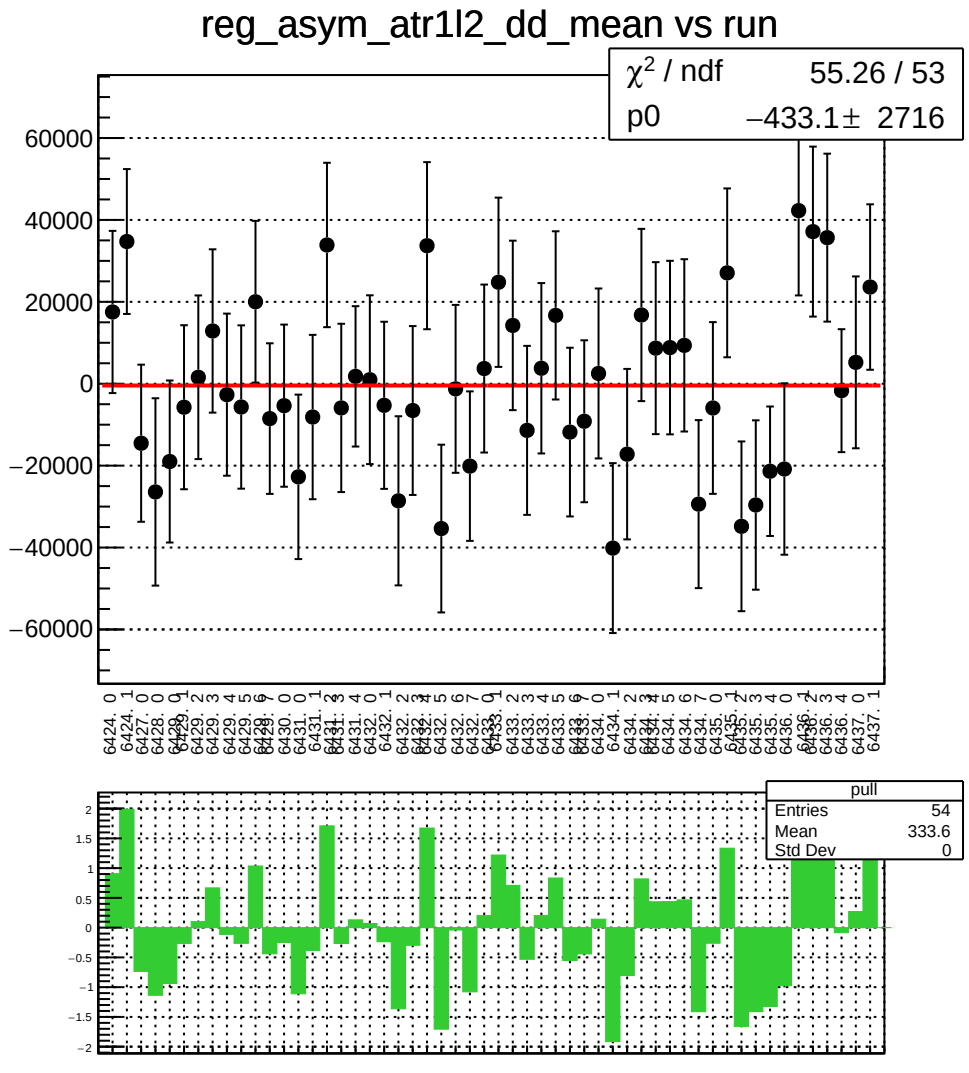

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.722e+04 / 53
p0 237.4 ± 0.2379
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

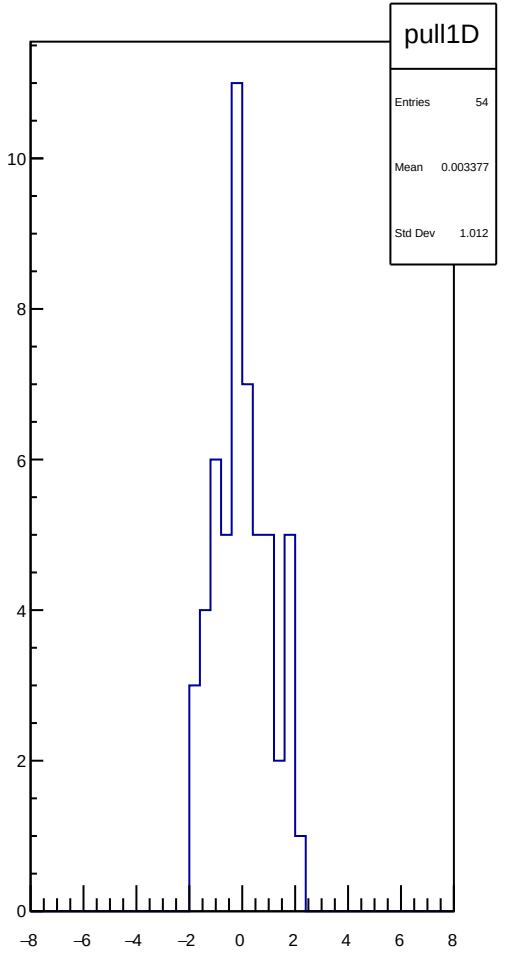

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.31 / 53
p0 −0.4731± 0.3365
pull
Entries 54
Mean 798.9
Std Dev 0
pull1D
Entries 54
Mean −0.006087
Std Dev 1.157

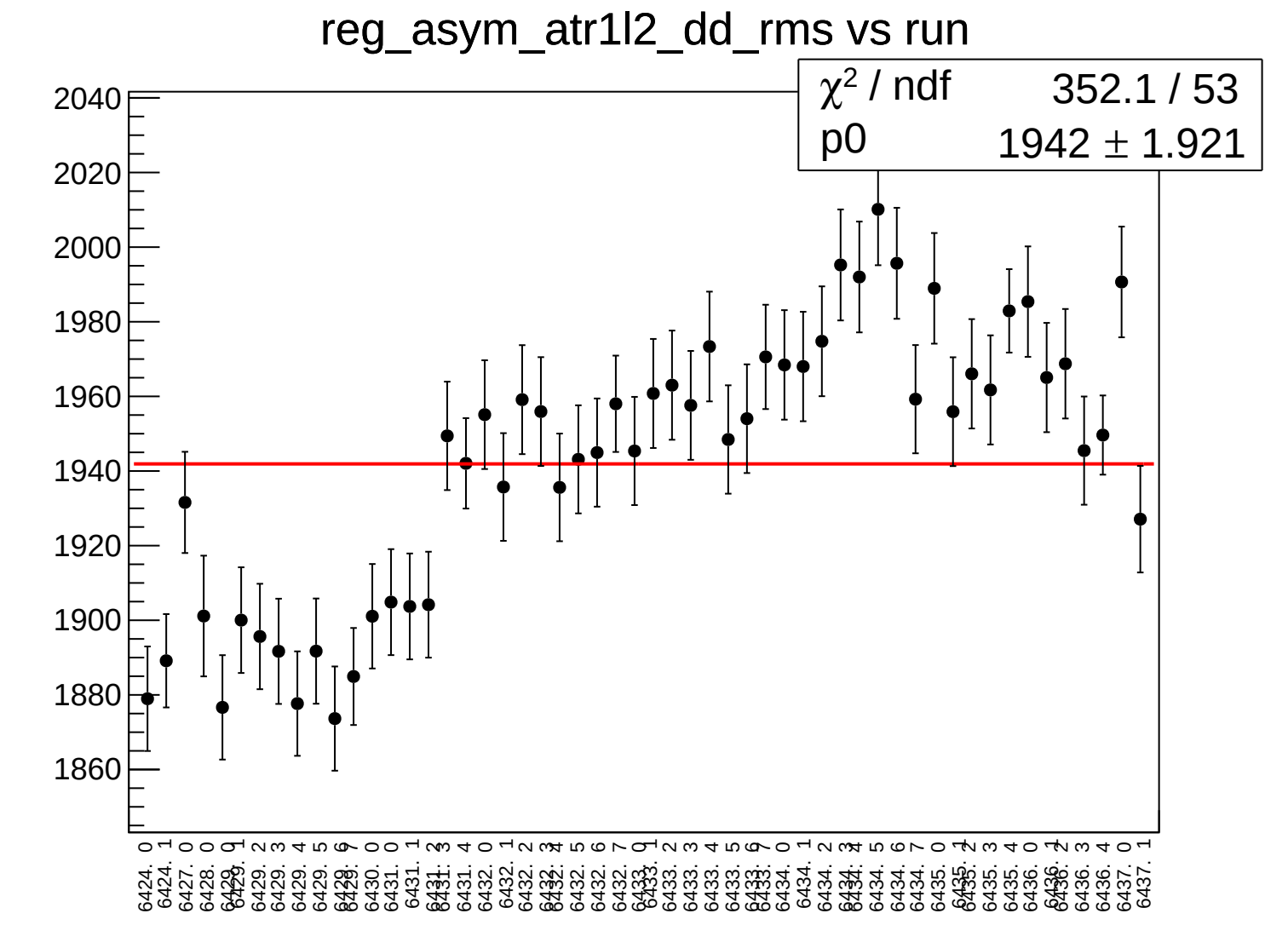

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.722e+04 / 53
p0 237.4 ± 0.2379
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

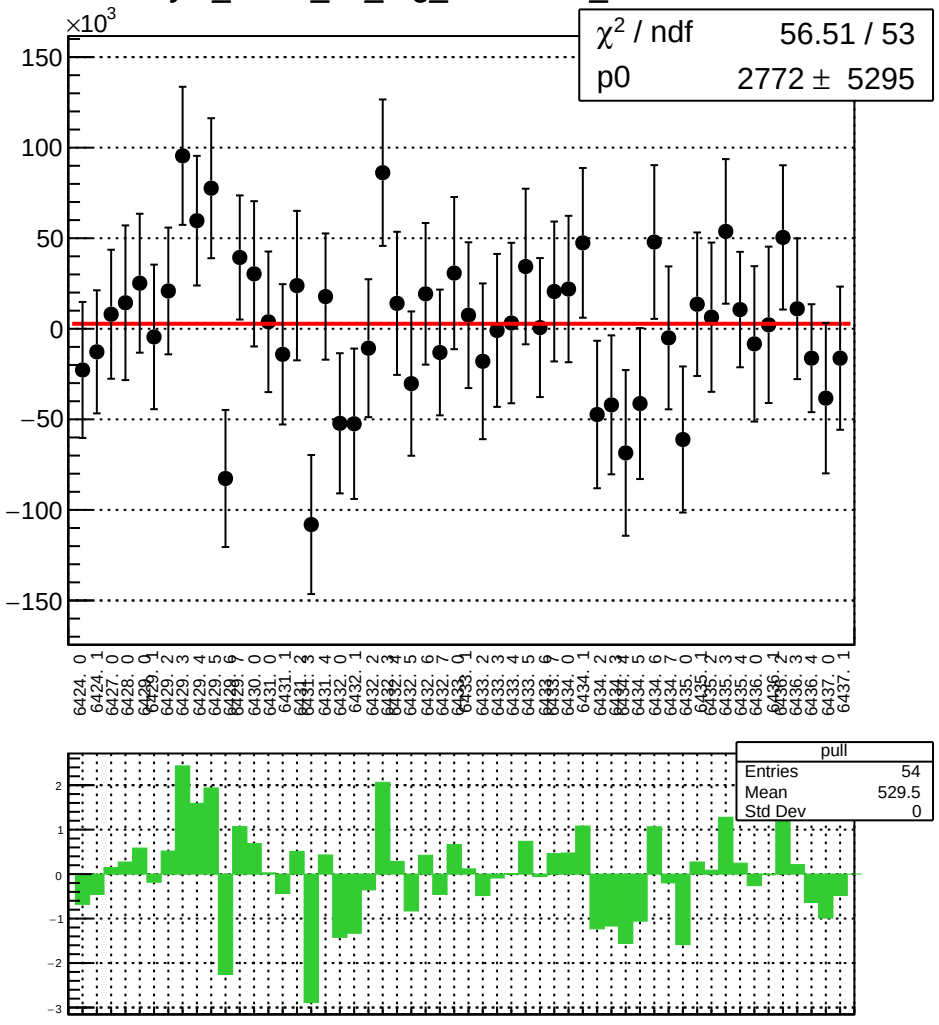

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.54 / 53
p0 2.113e−13 ± 9.639e−14
pull
Entries 54
Mean 106.1
Std Dev 0
pull1D
Entries 54
Mean 0.009506
Std Dev 1.032

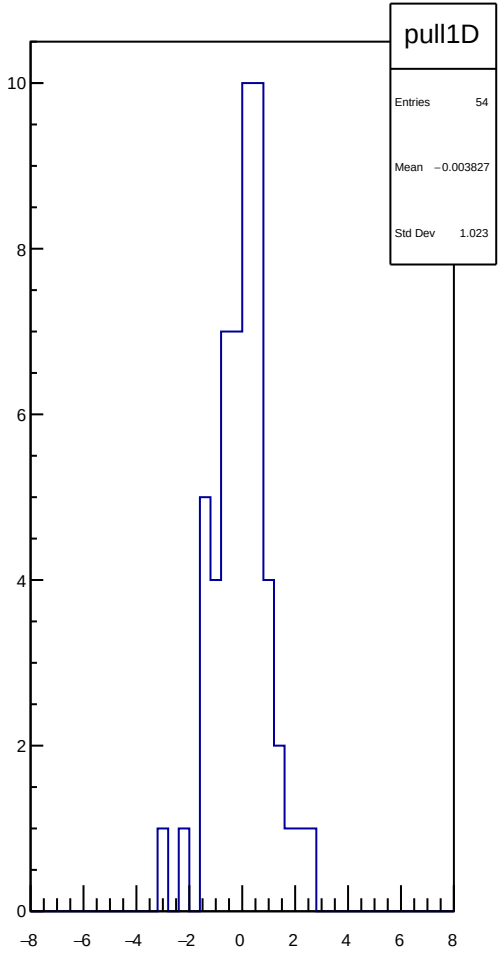

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.188e+05 / 53
p0 5.296e−11 ± 6.816e−14
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

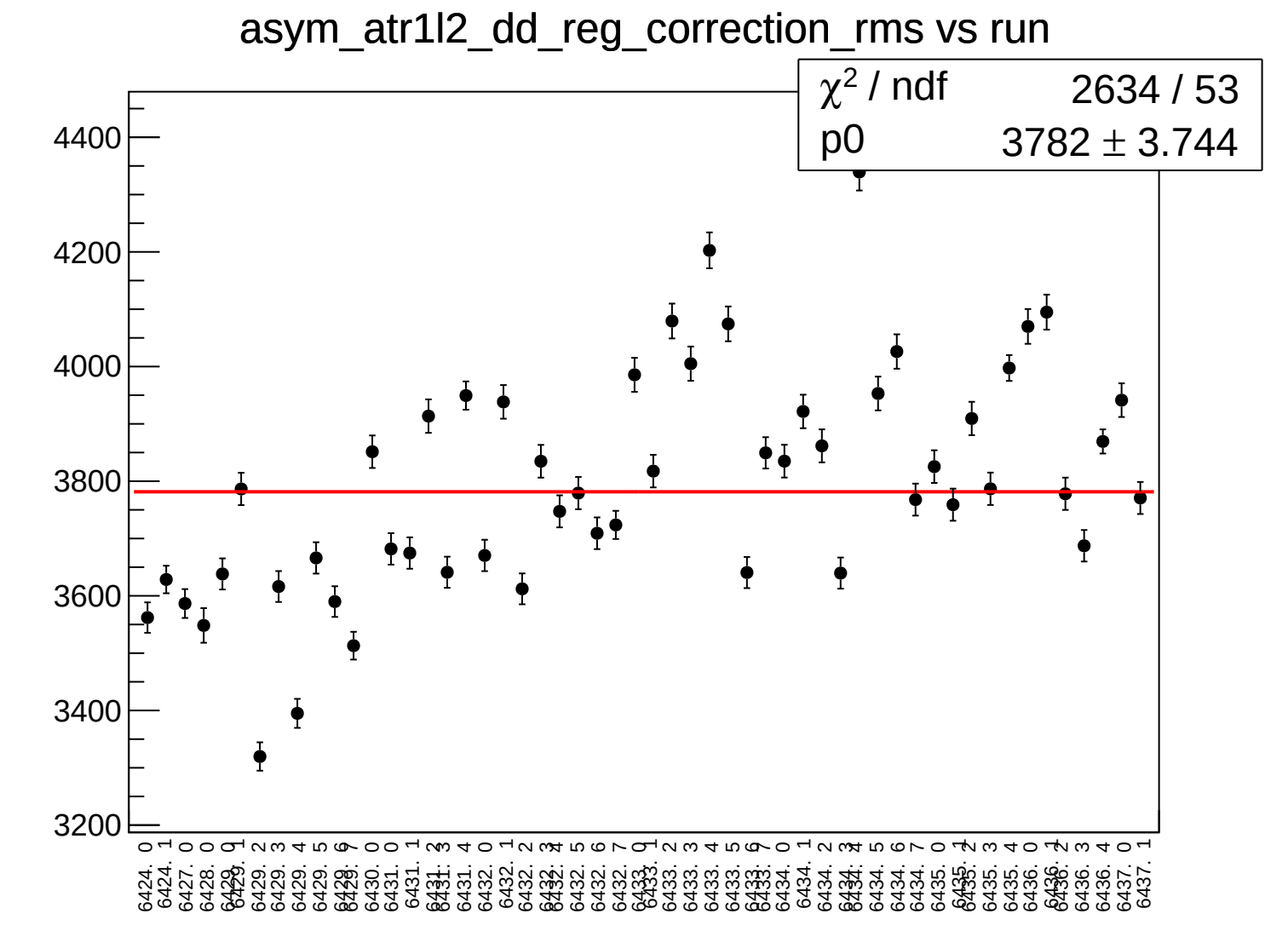

reg_asym_atr1l2_dd_mean vs run
χ^2 / ndf 55.26 / 53
p0 −433.1± 2716
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 333.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

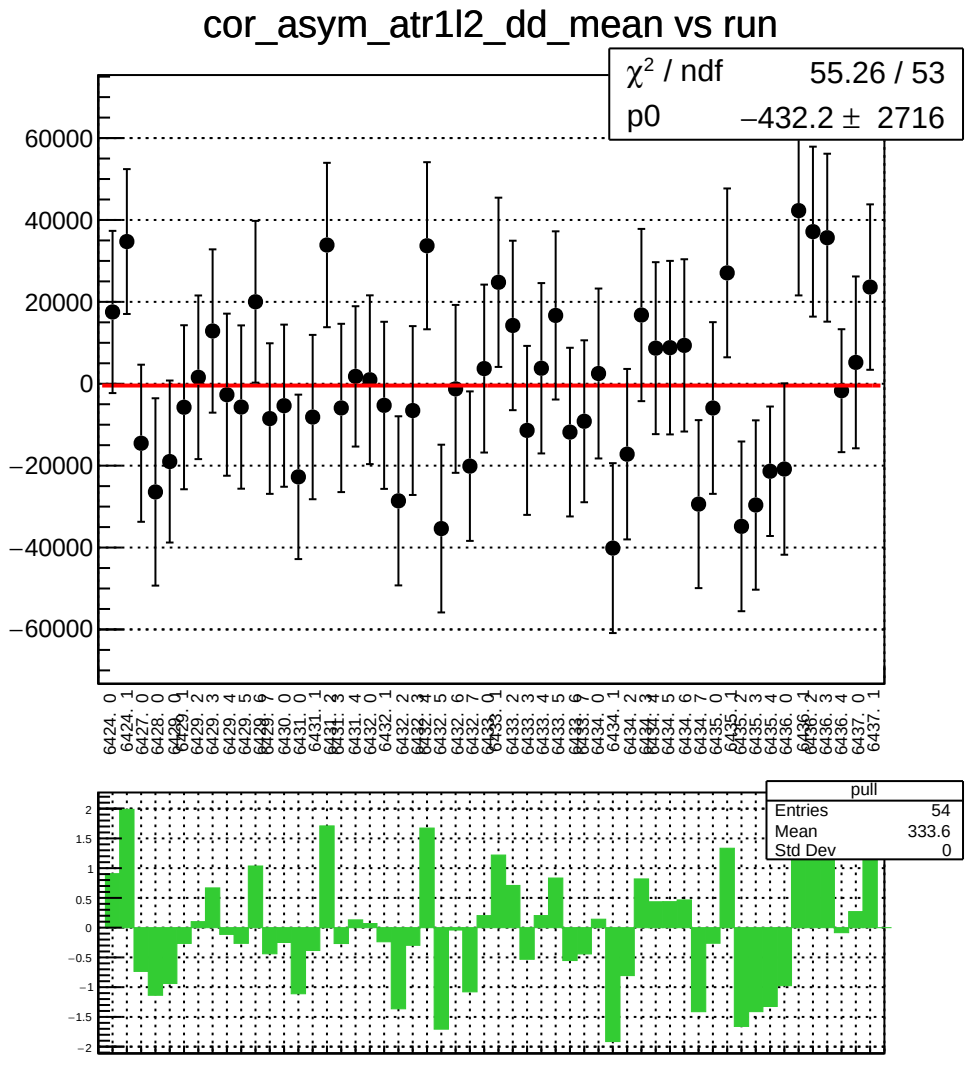

pull1D
Entries 54
Mean 0.003377
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

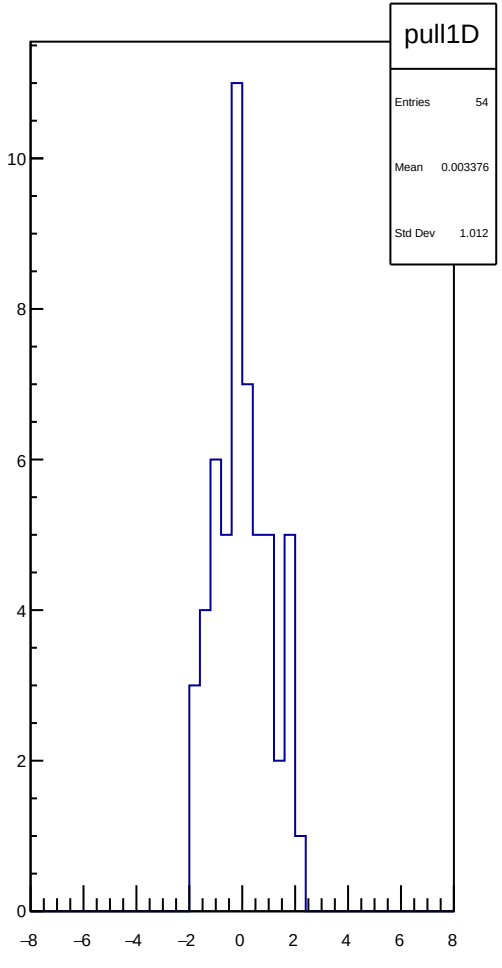

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 352.1 / 53
p0 1942 ± 1.921
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

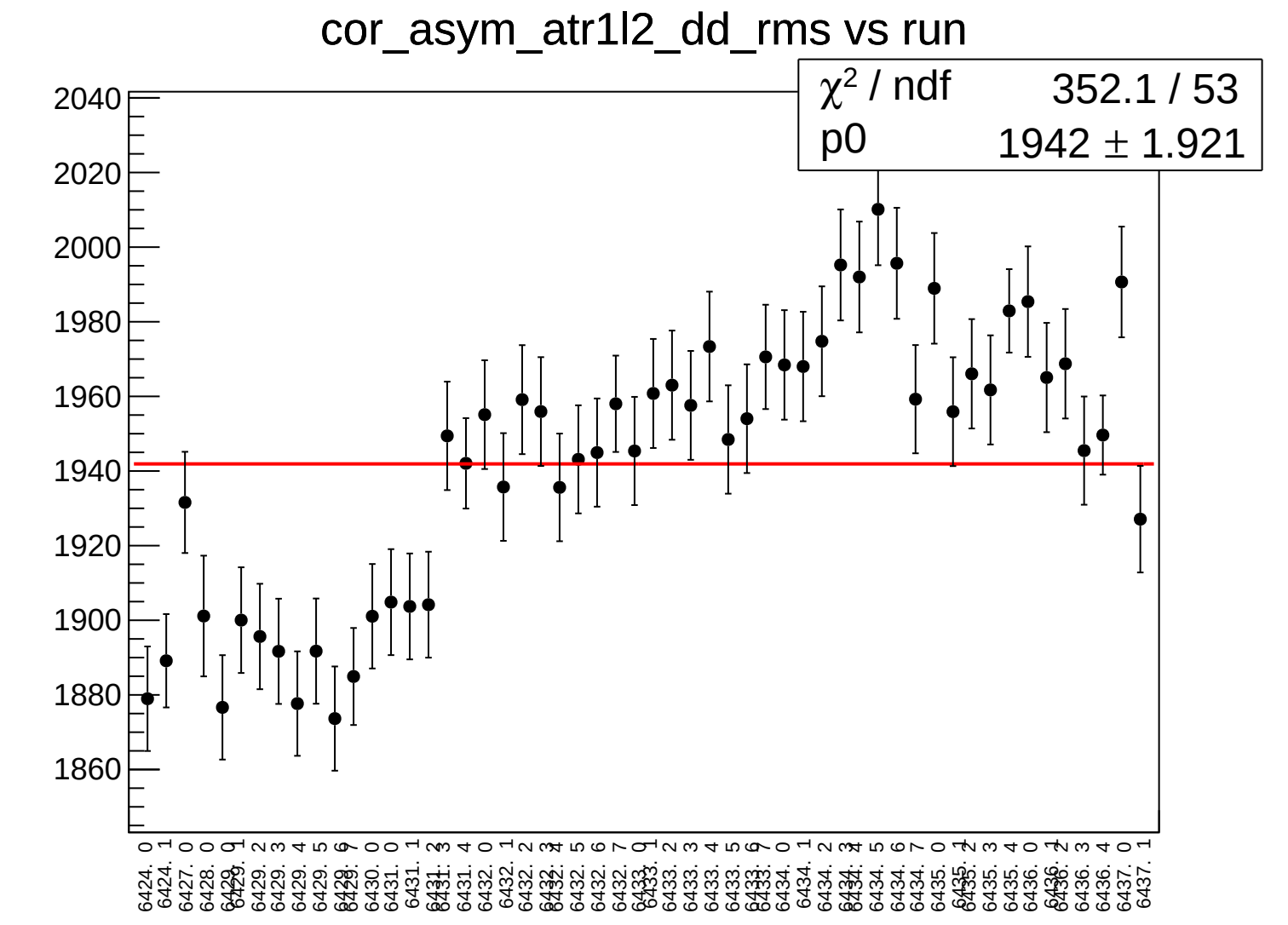

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.51 / 53
p0 2772 ± 5295
pull
Entries 54
Mean 529.5
Std Dev 0

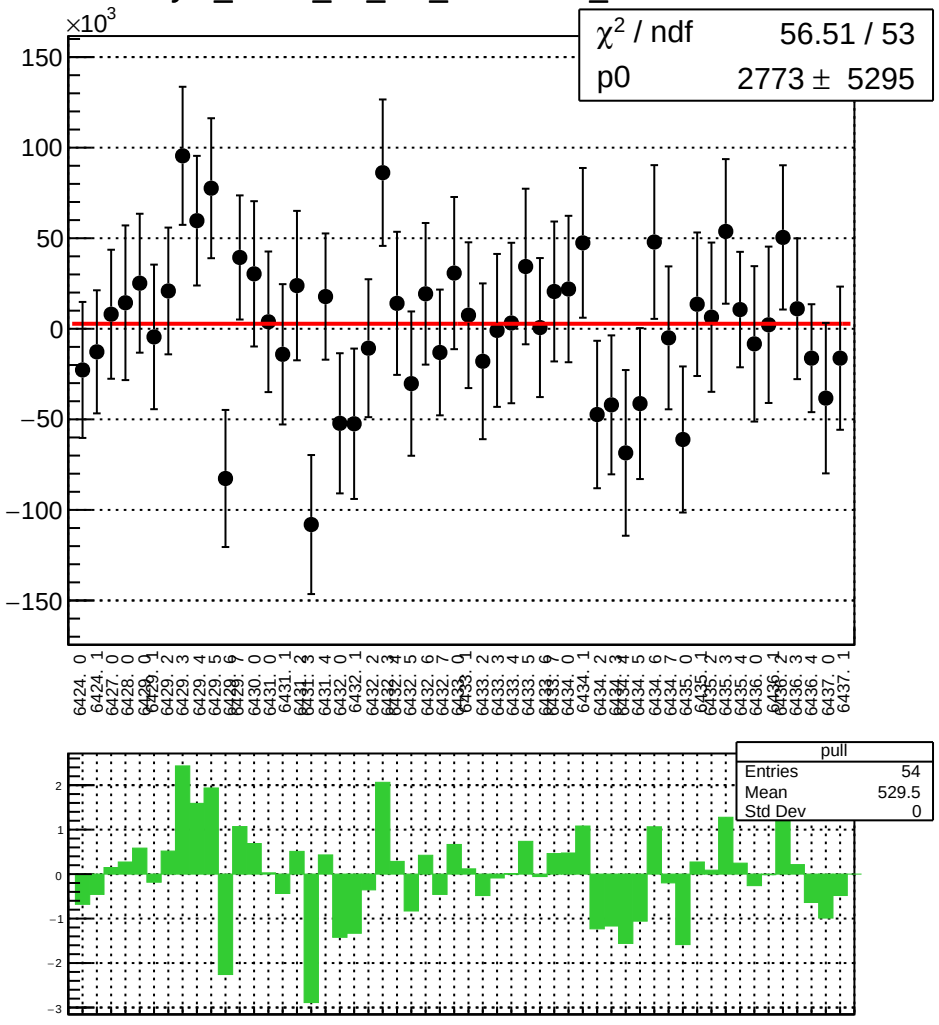

pull1D
Entries 54
Mean −0.003827
Std Dev 1.023

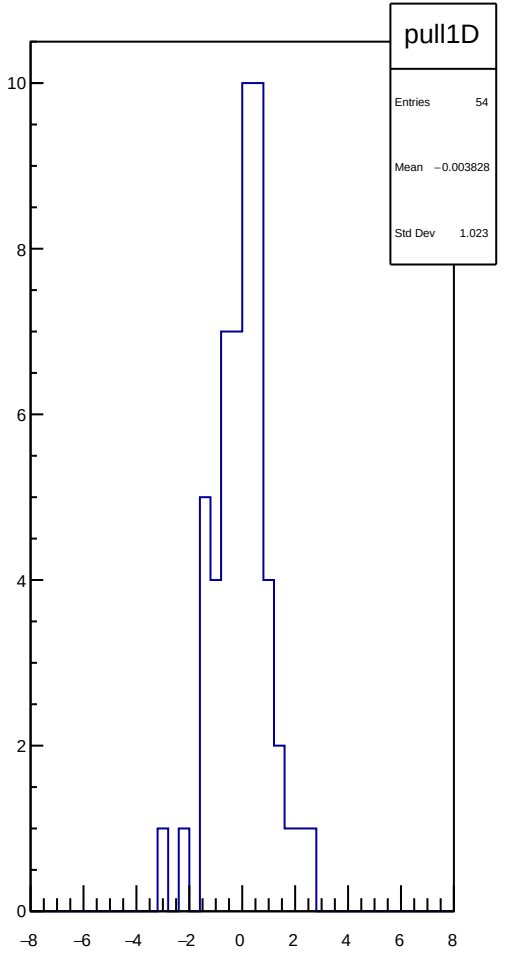

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 2634 / 53
p0 3782 ± 3.744
4400
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

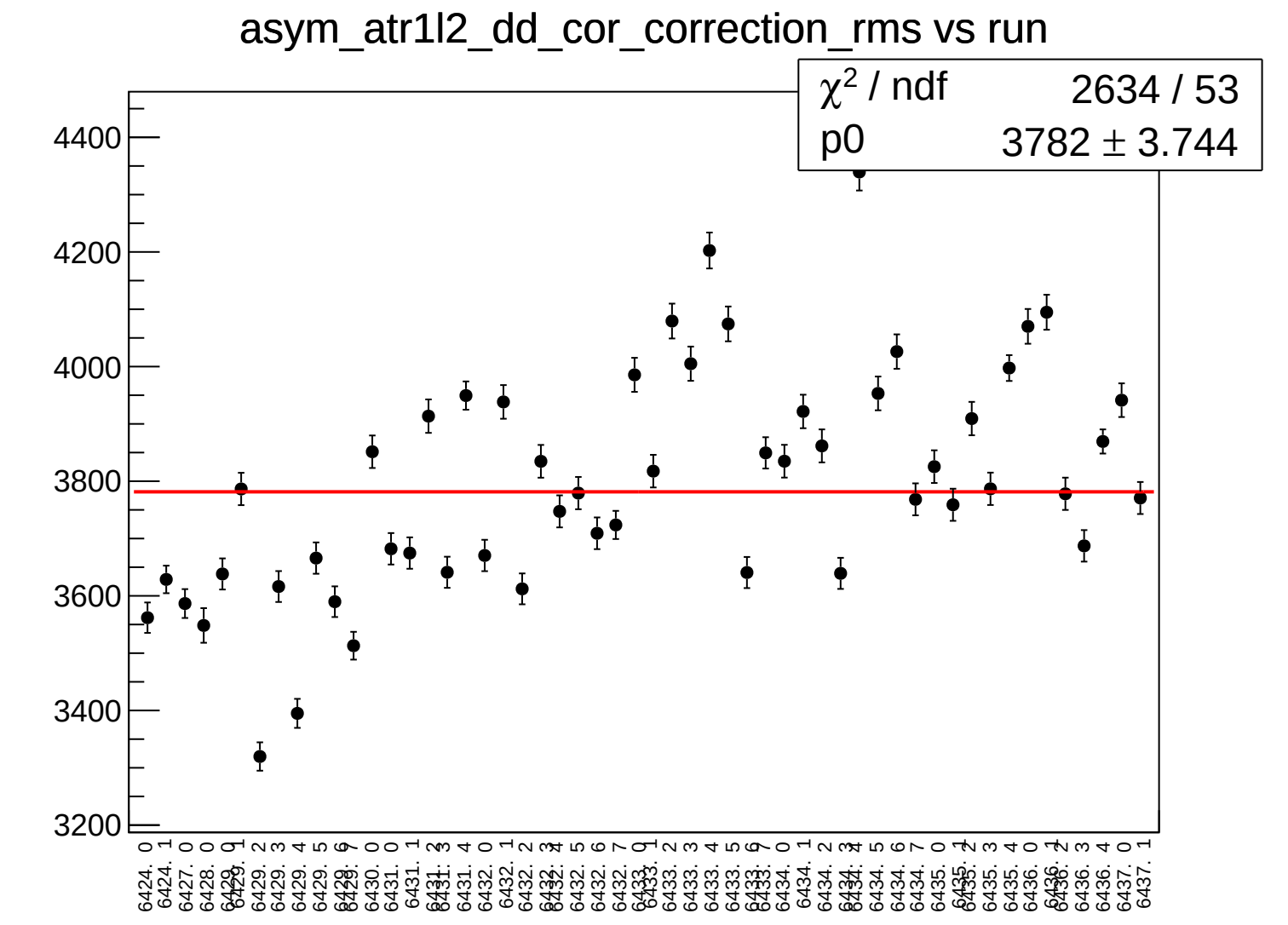

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 55.26 / 53
p0 −432.2 ± 2716
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 333.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

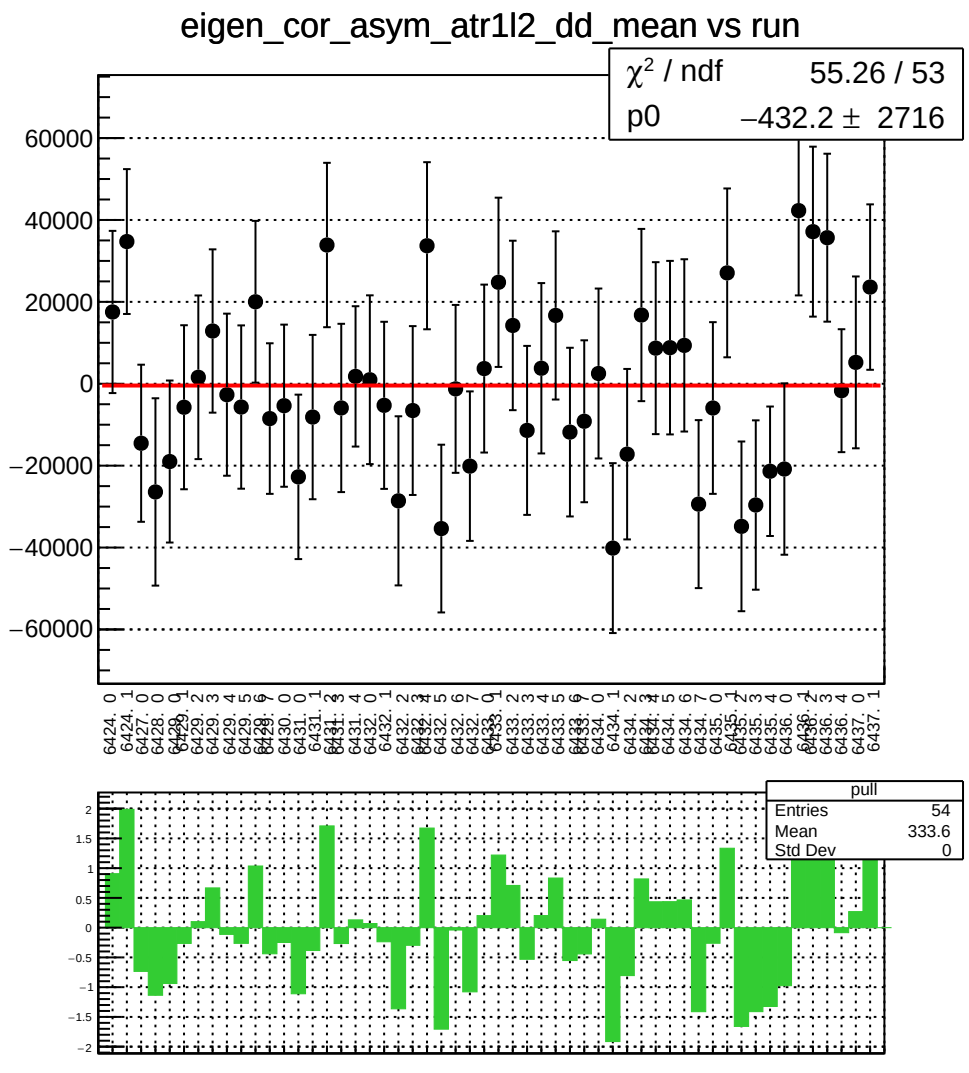

pull1D
Entries 54
Mean 0.003376
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

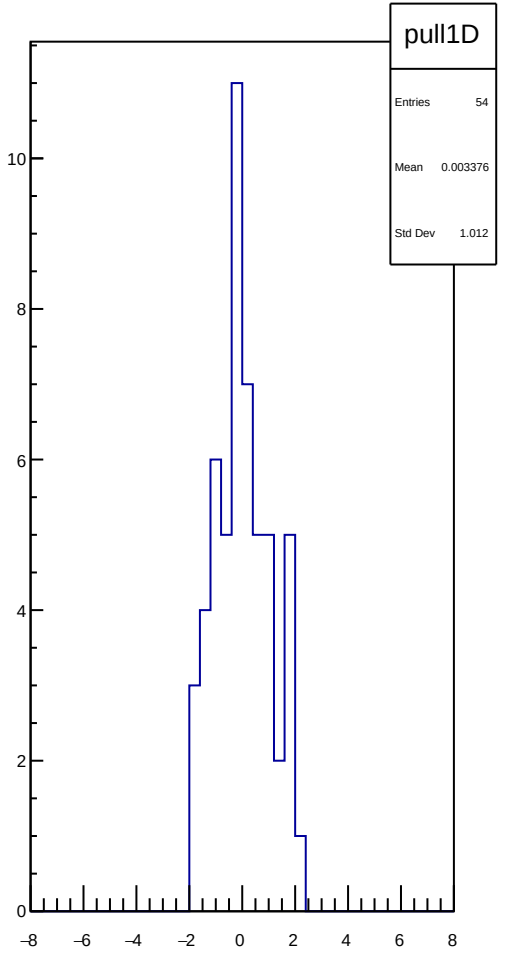

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 352.1 / 53
p0 1942 ± 1.921
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

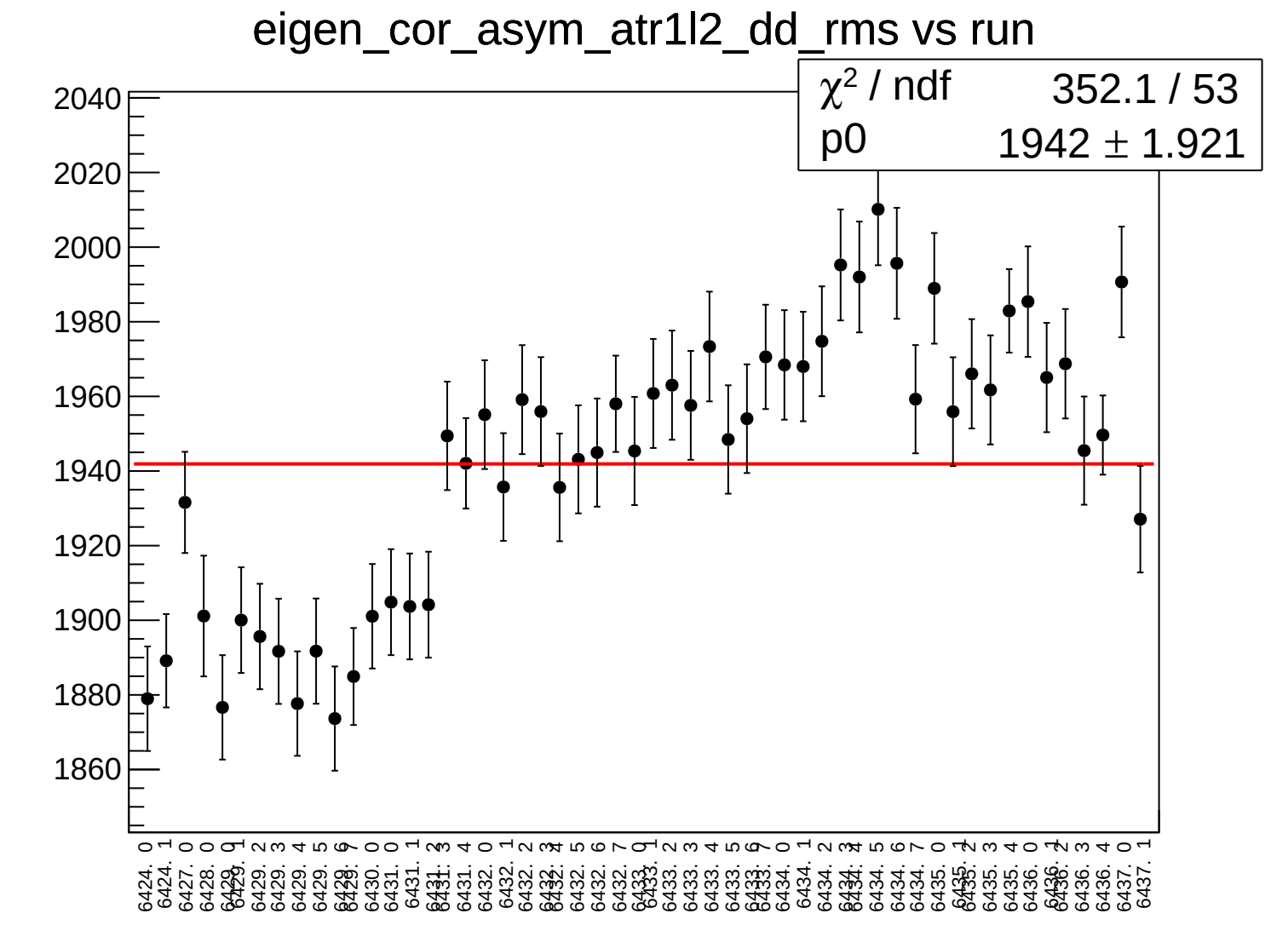

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.51 / 53
p0 2773 ± 5295
pull
Entries 54
Mean 529.5
Std Dev 0

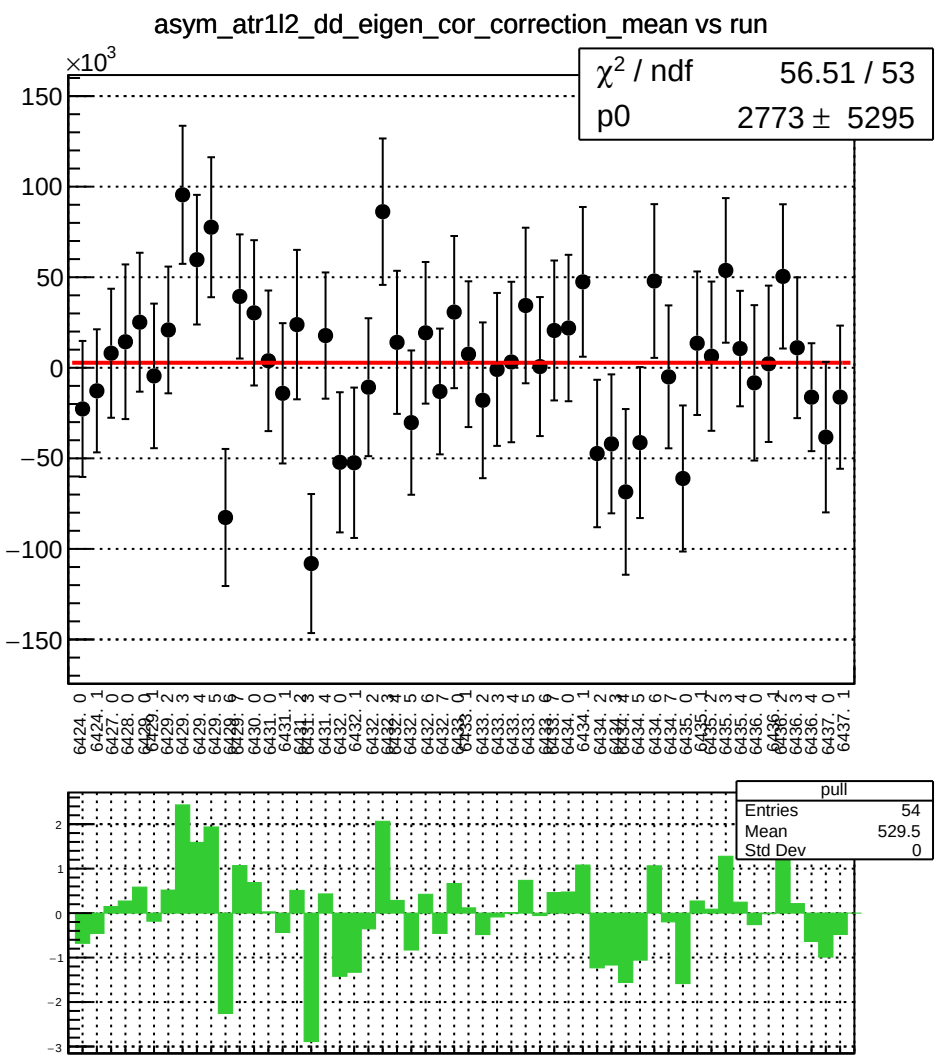

pull1D
Entries 54
Mean −0.003828
Std Dev 1.023

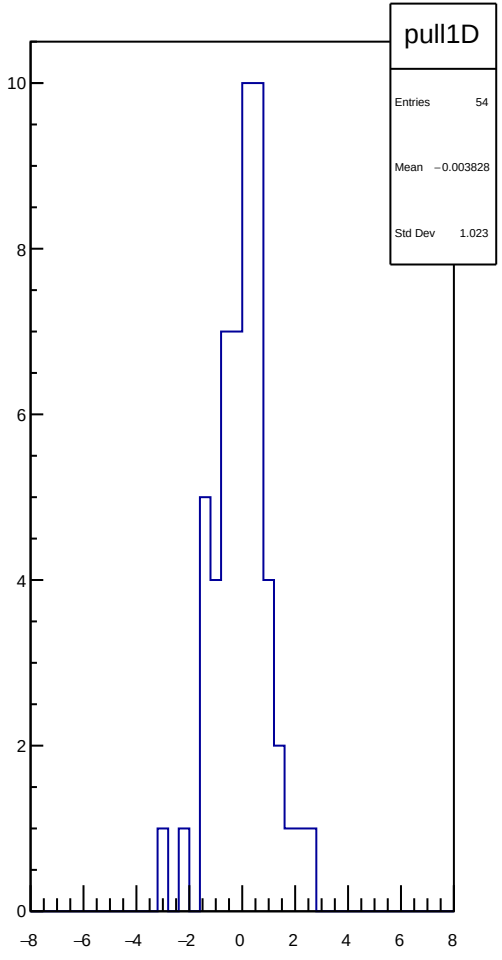

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 2634 / 53
p0 3782 ± 3.744
4400
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

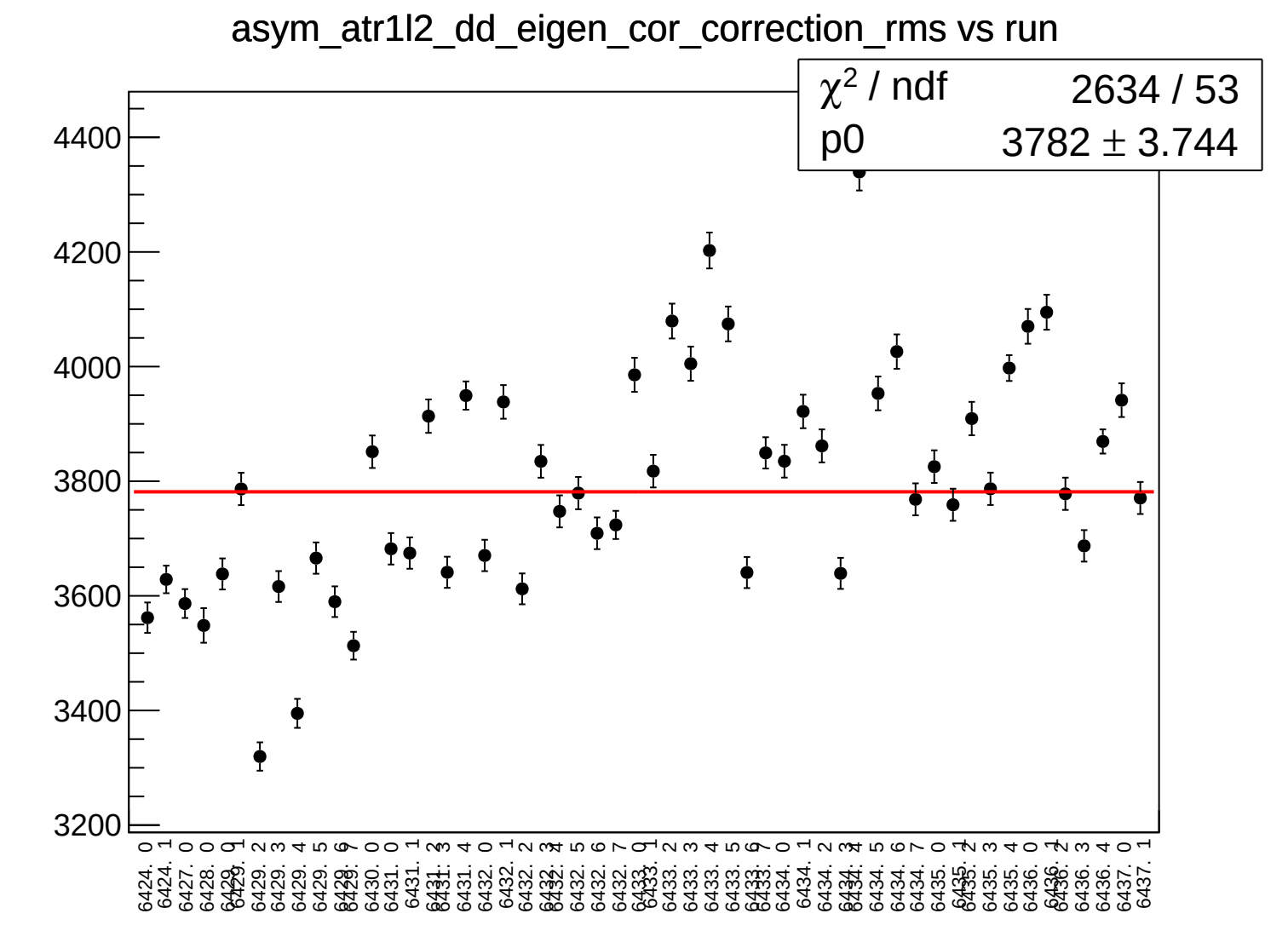

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 55.26 / 53
p0 −432.2 ± 2716
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 333.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

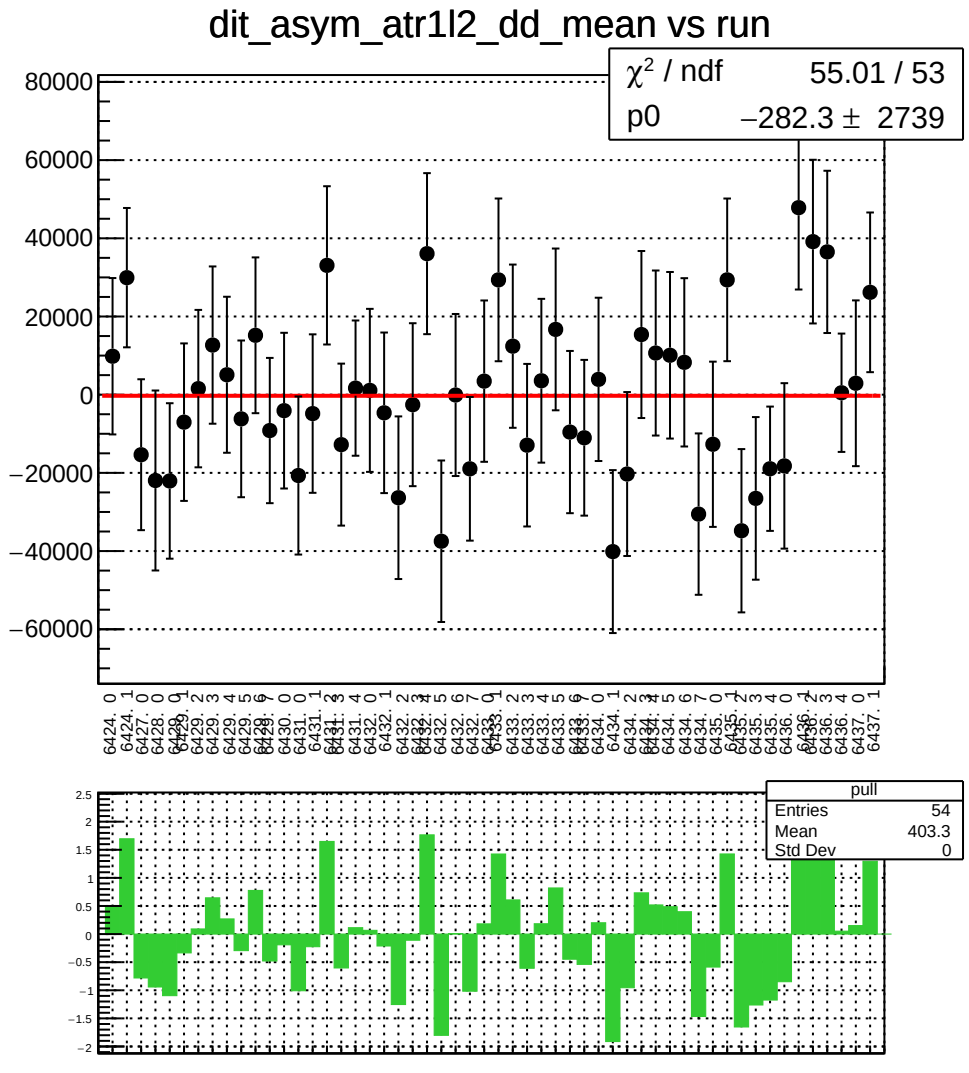

pull1D
Entries 54
Mean 0.003376
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

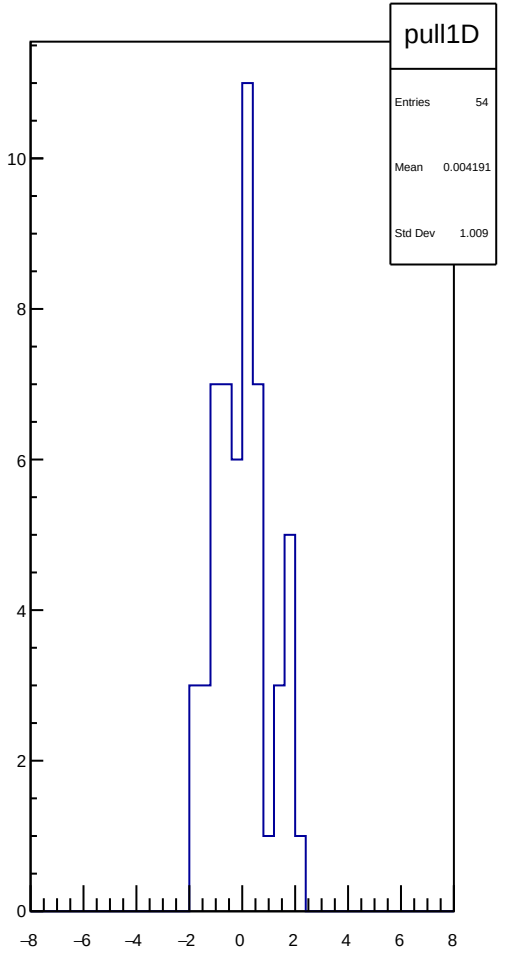

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 352.1 / 53
p0 1942 ± 1.921
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

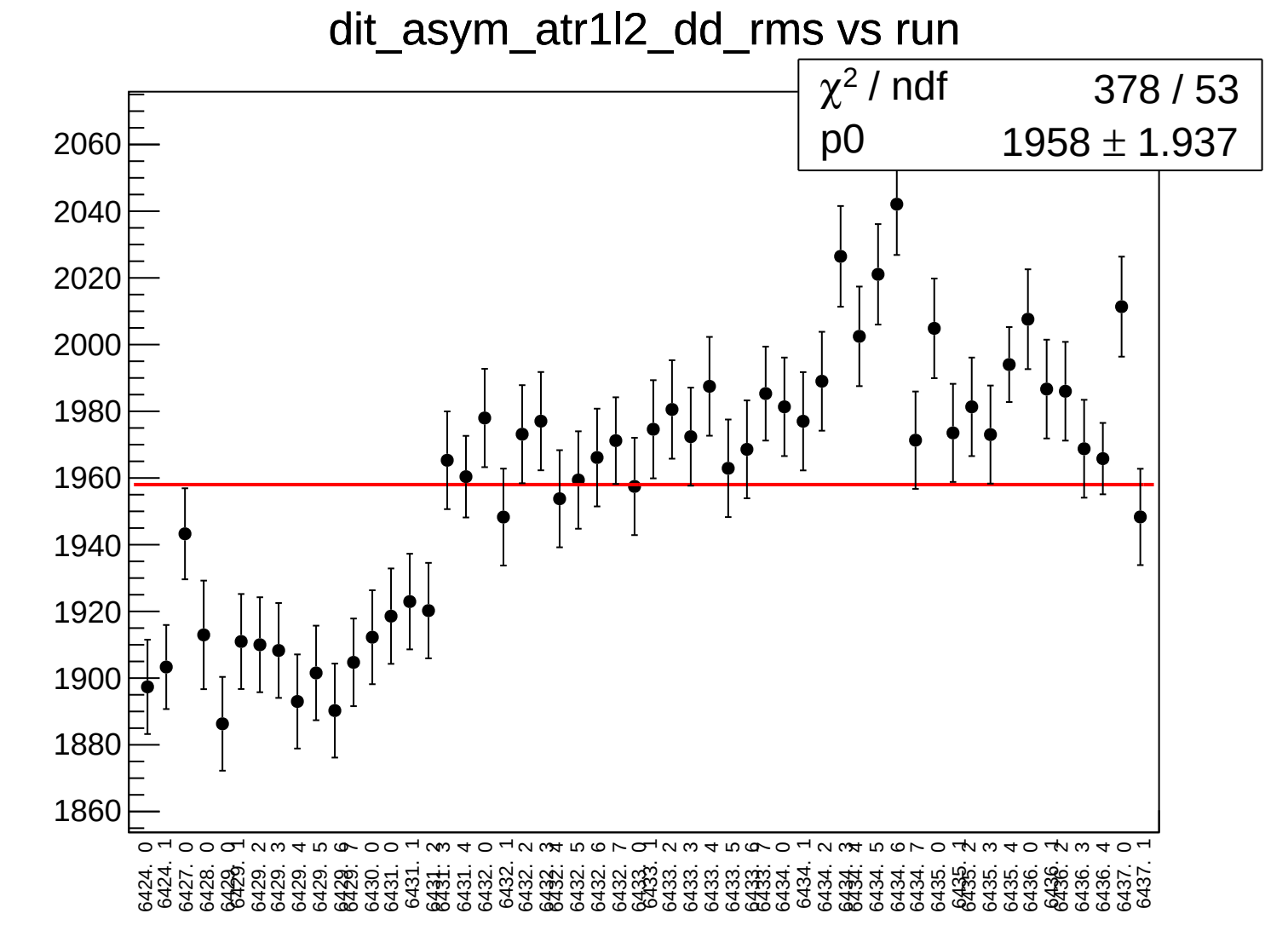

asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.51 / 53
p0 2773 ± 5295
pull
Entries 54
Mean 529.5
Std Dev 0

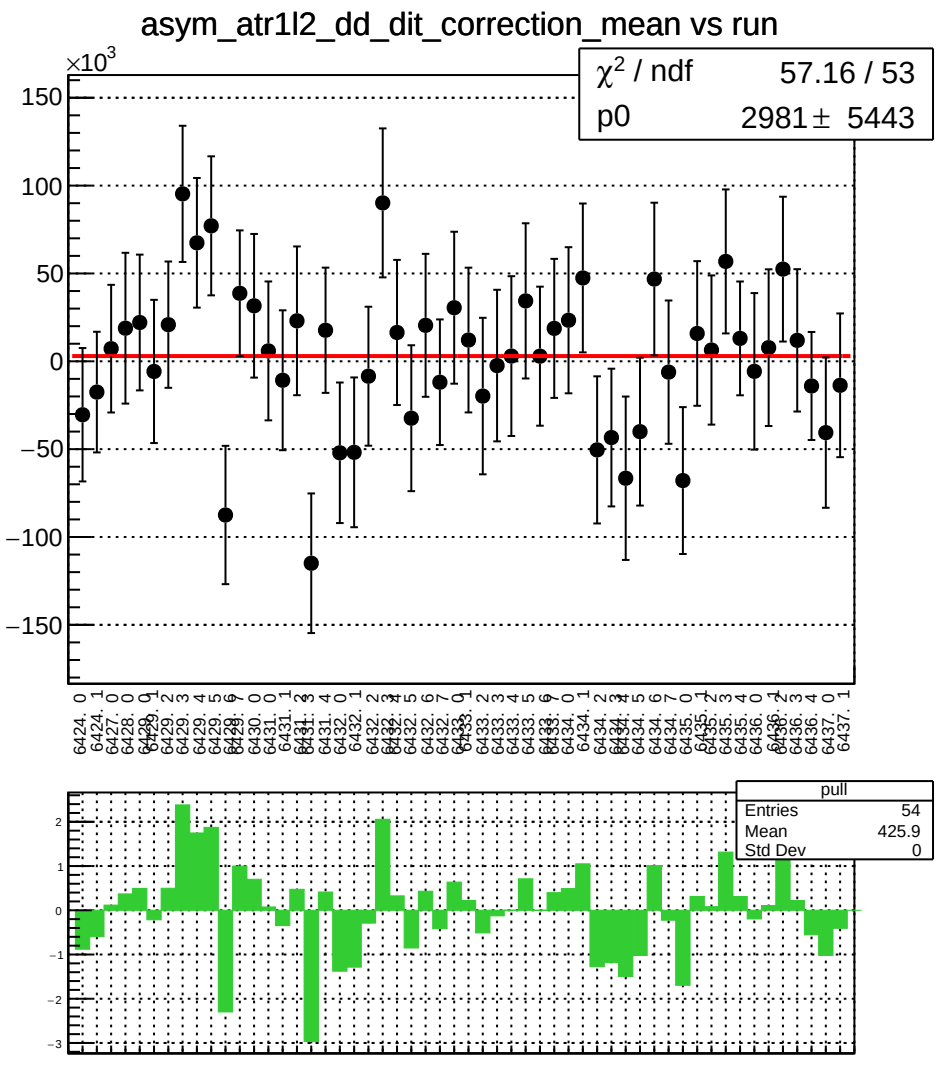

pull1D
Entries 54
Mean −0.003828
Std Dev 1.023

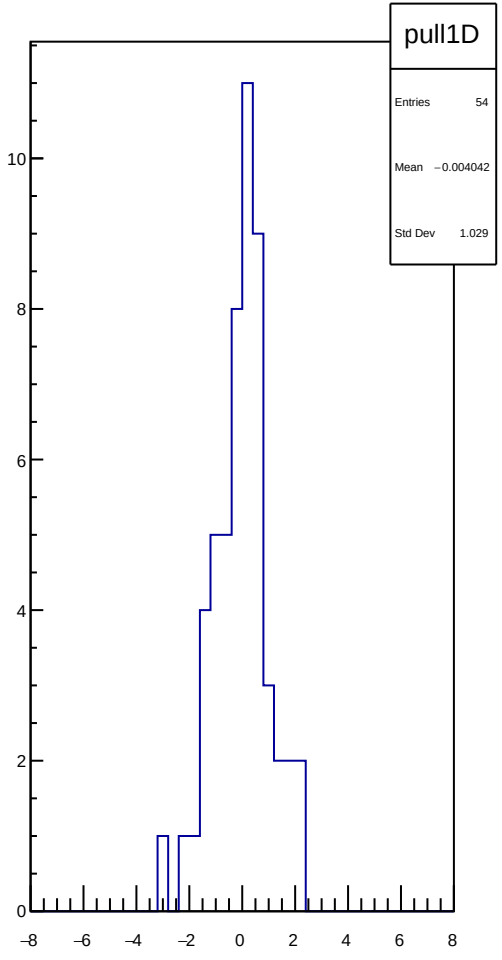

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2634 / 53
p0 3782 ± 3.744
4400
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

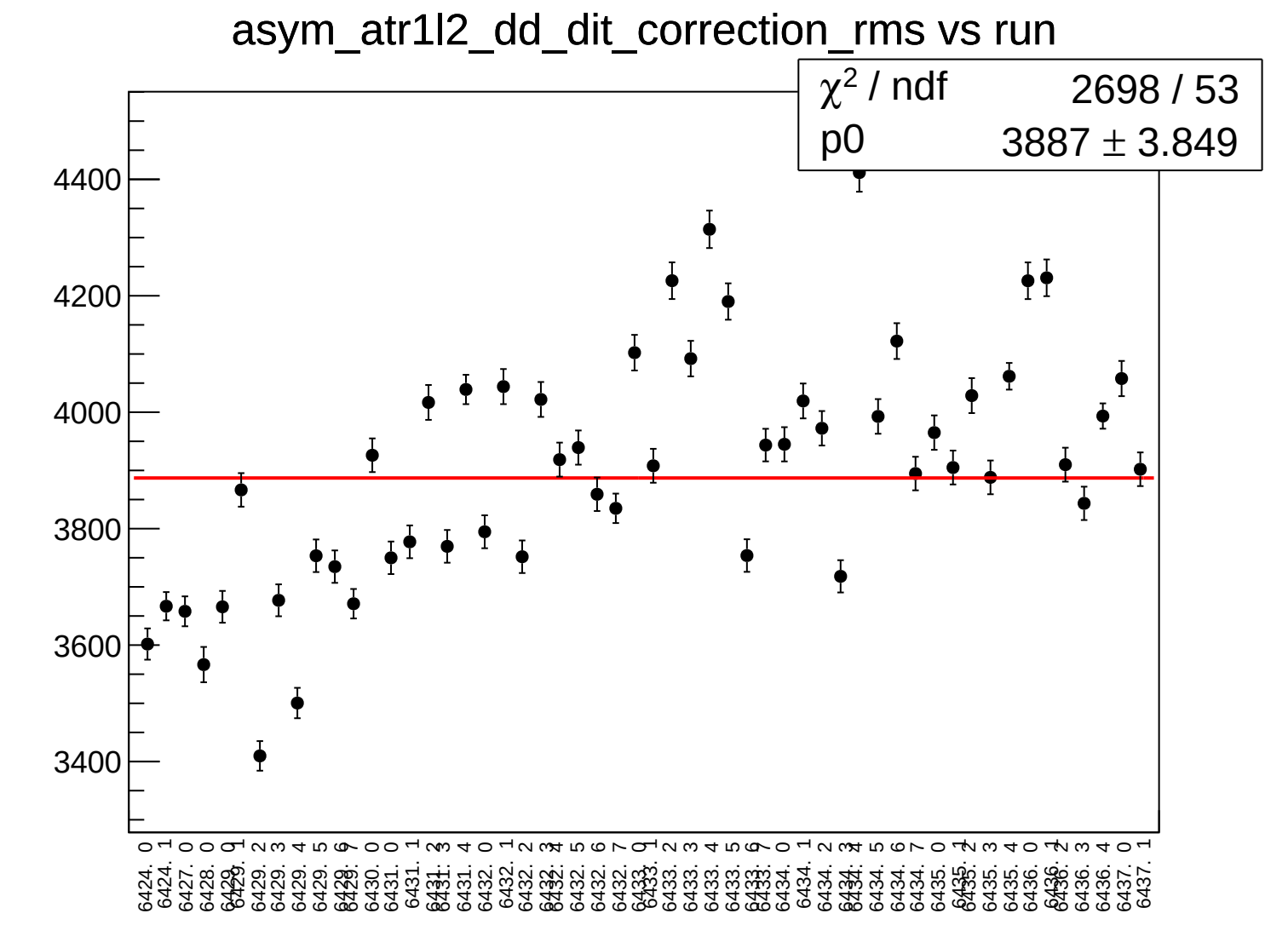

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 55.01 / 53
p0 −282.3 ± 2739
pull
Entries 54
Mean 403.3
Std Dev 0

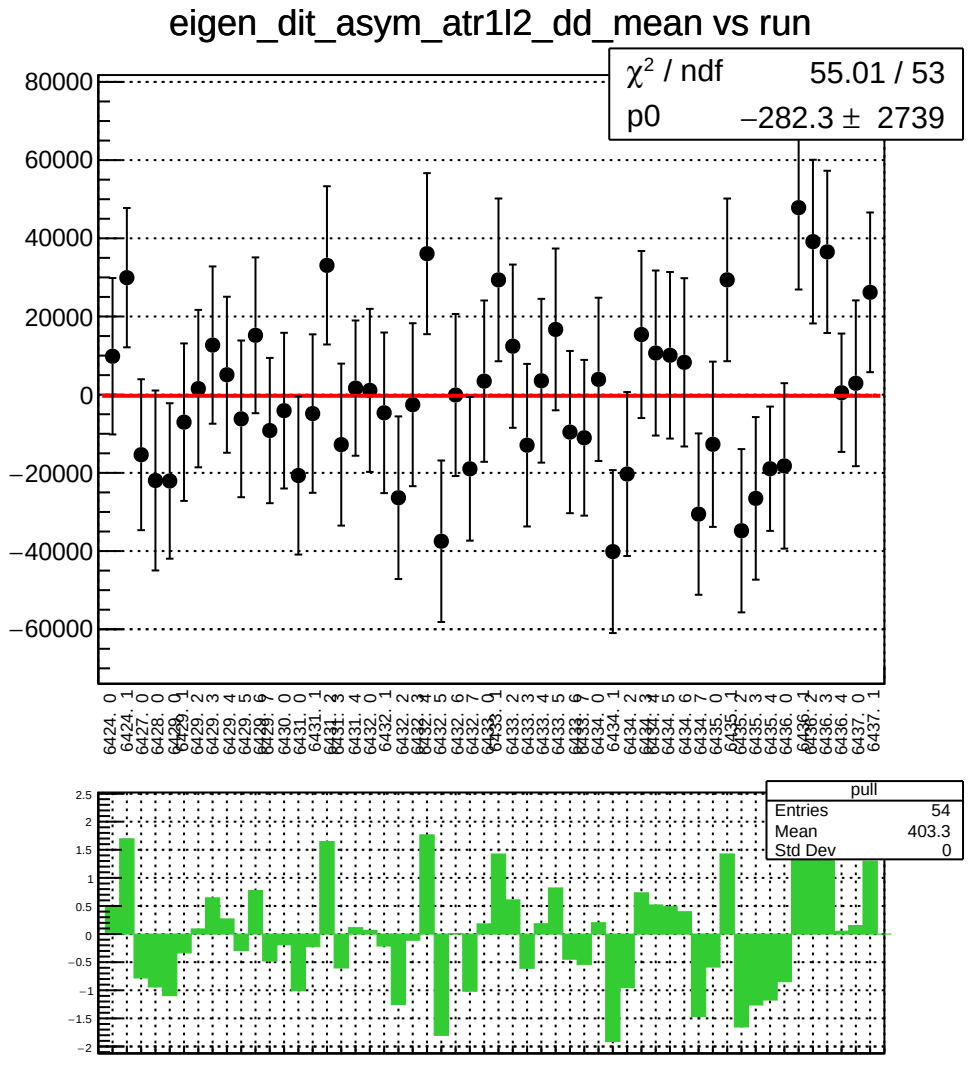

pull1D
Entries 54
Mean 0.004191
Std Dev 1.009

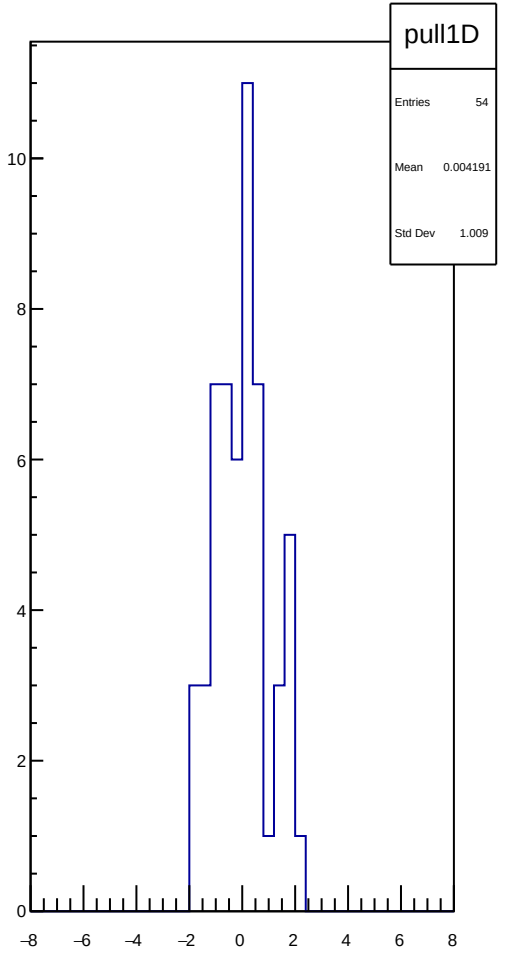

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 378 / 53
p0 1958 ± 1.937
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

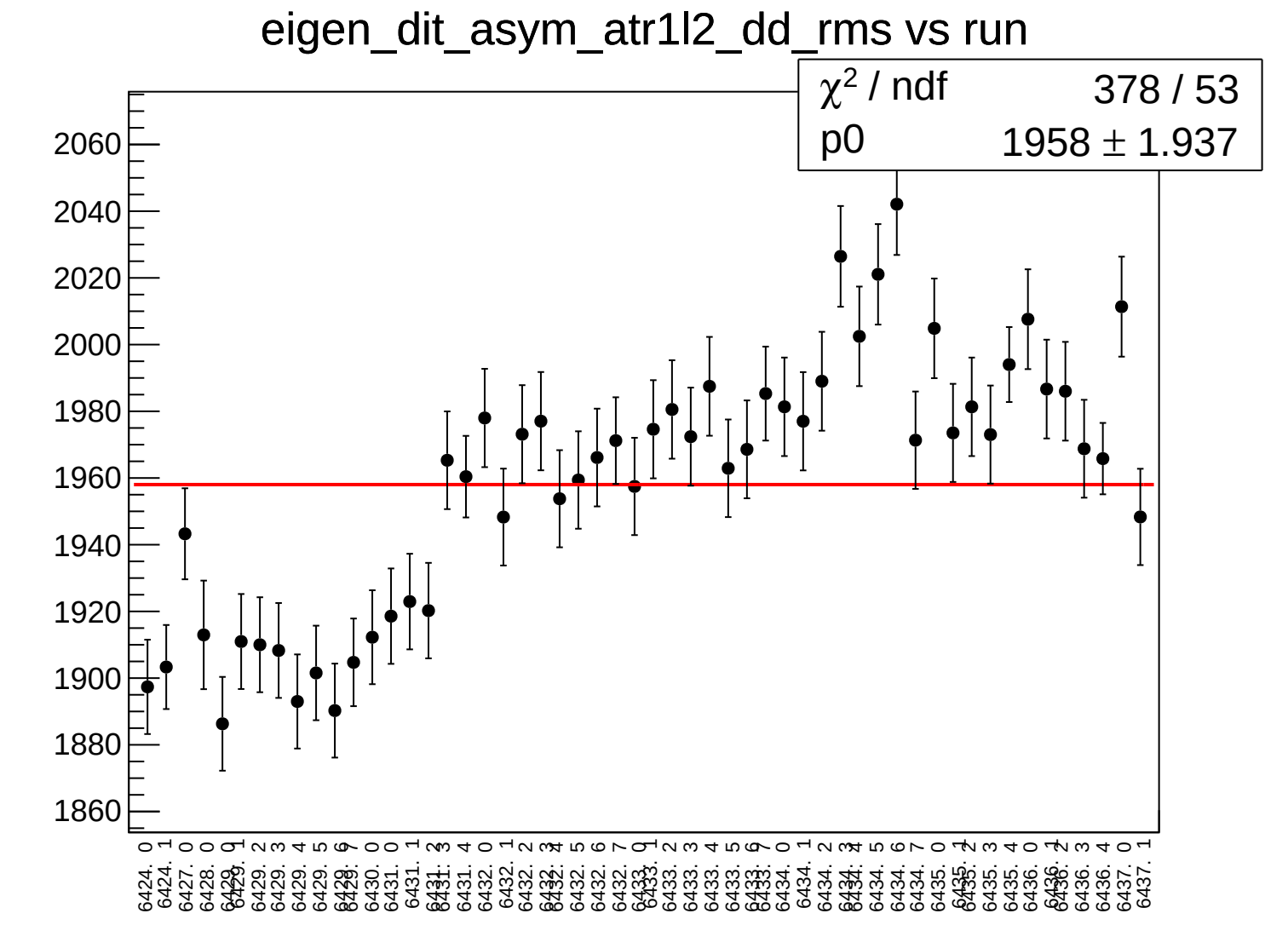

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.16 / 53
p0 2981 ± 5443
pull
Entries 54
Mean 425.9
Std Dev 0

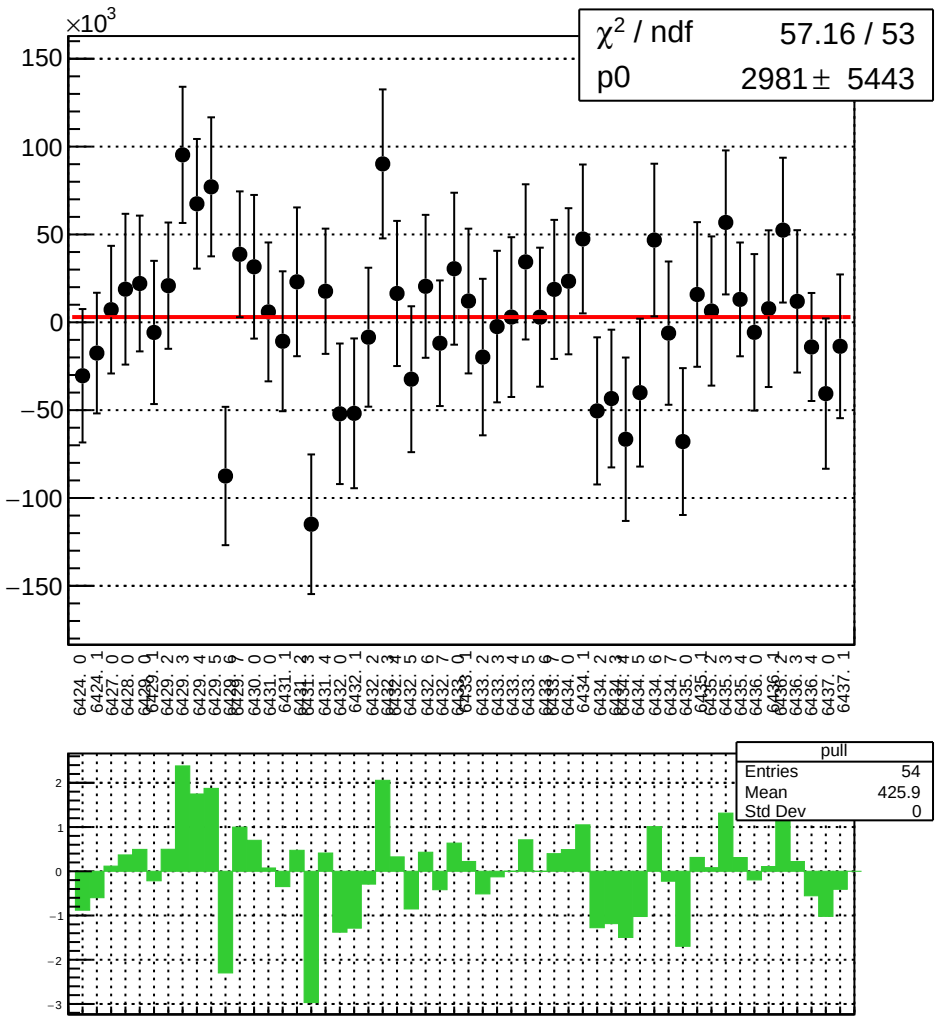

pull1D
Entries 54
Mean −0.004042
Std Dev 1.029

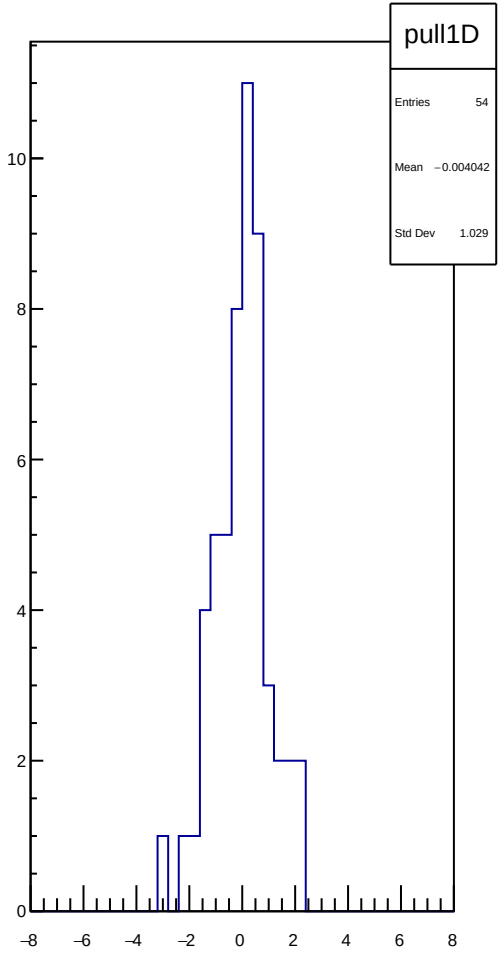

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 2698 / 53
p0 3887 ± 3.849
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

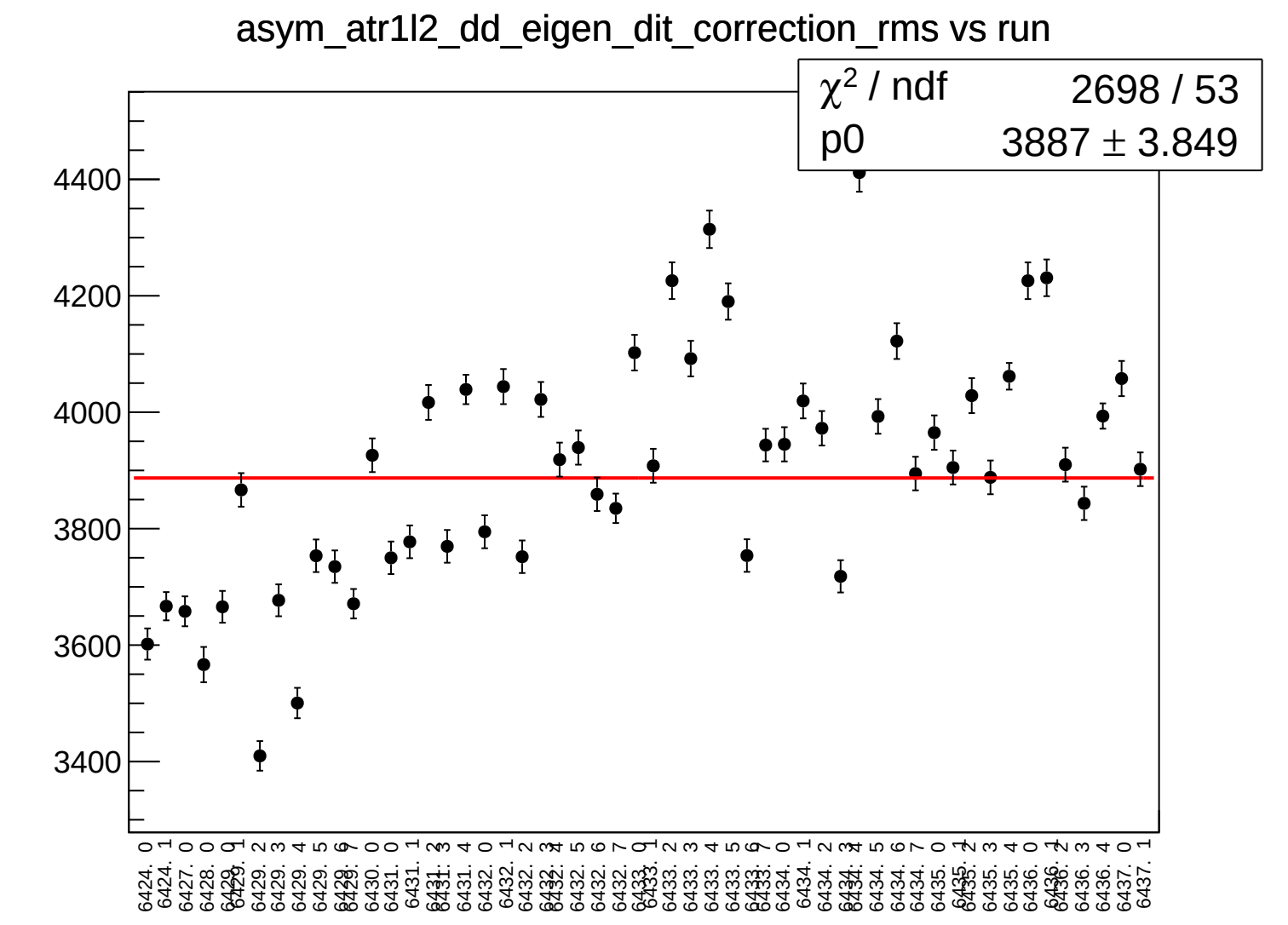

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 55.01 / 53
p0 −282.3 ± 2739
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 403.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

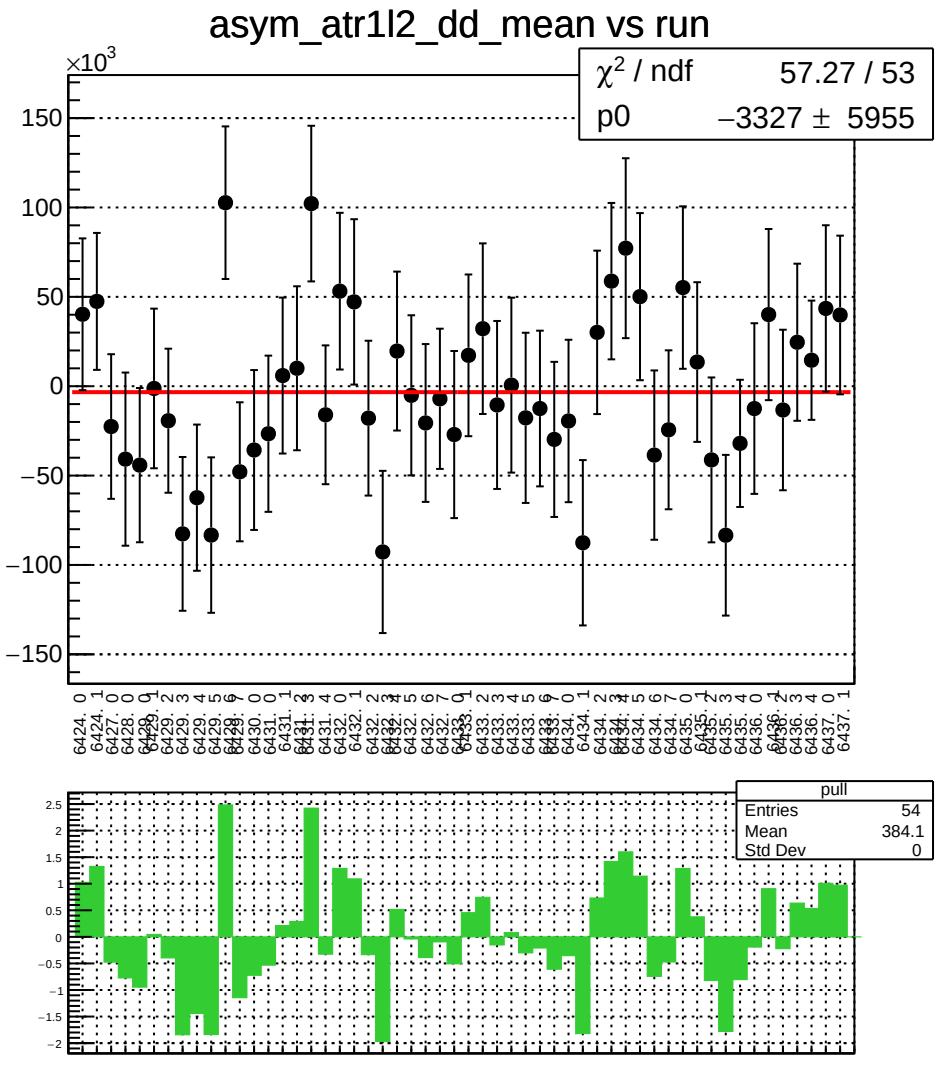

pull1D
Entries 54
Mean 0.004191
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

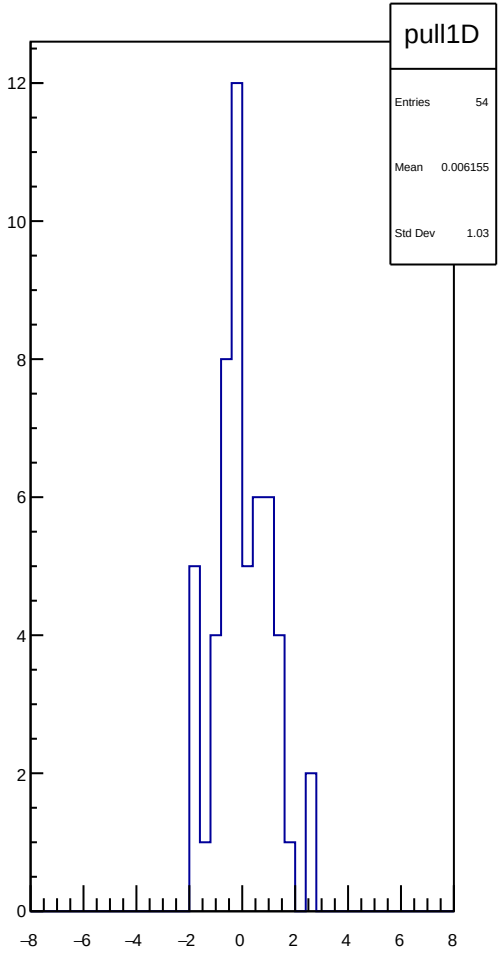

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 378 / 53
p0 1958 ± 1.937
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

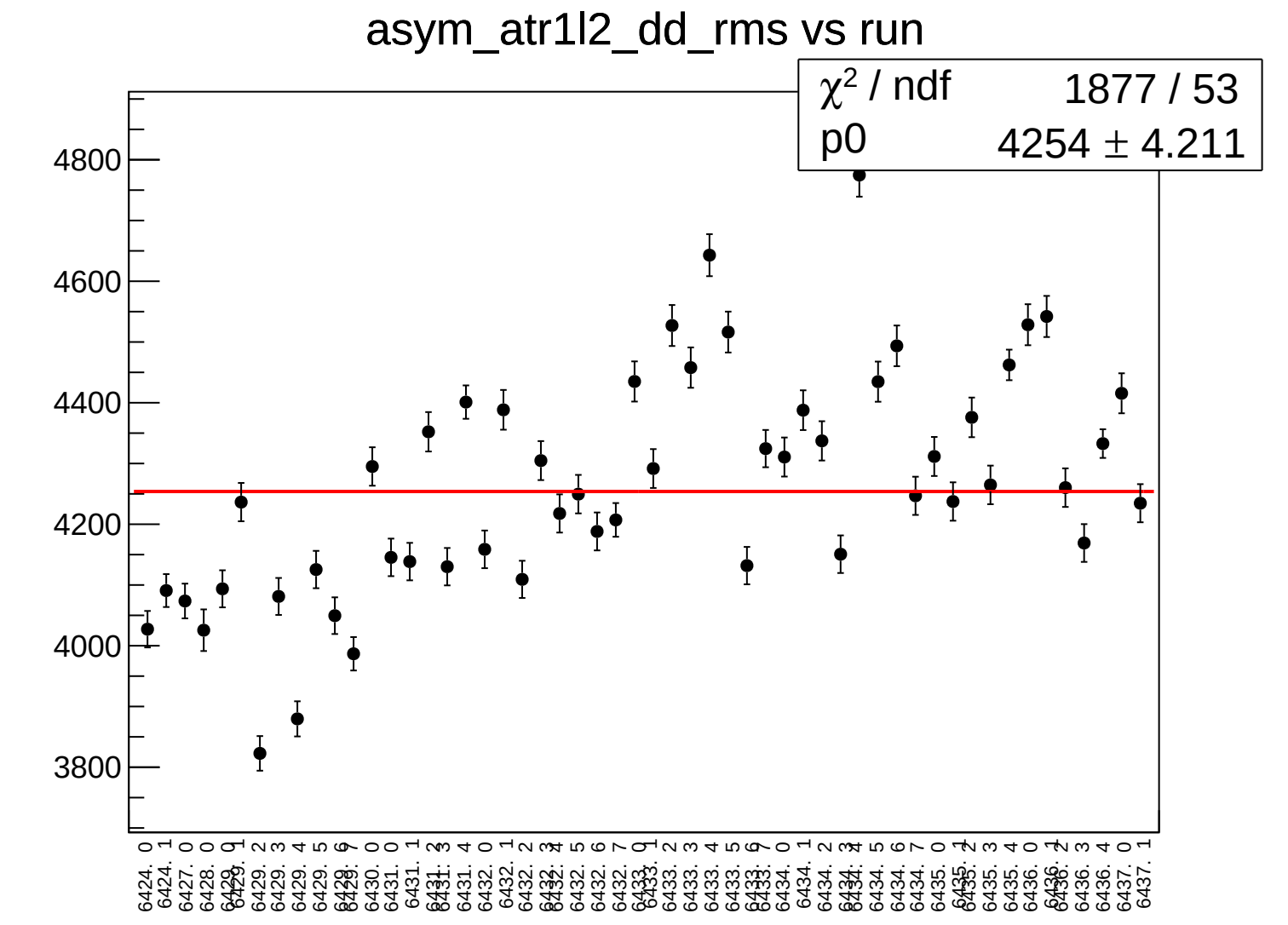

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.16 / 53
p0 2981 ± 5443
pull
Entries 54
Mean 425.9
Std Dev 0

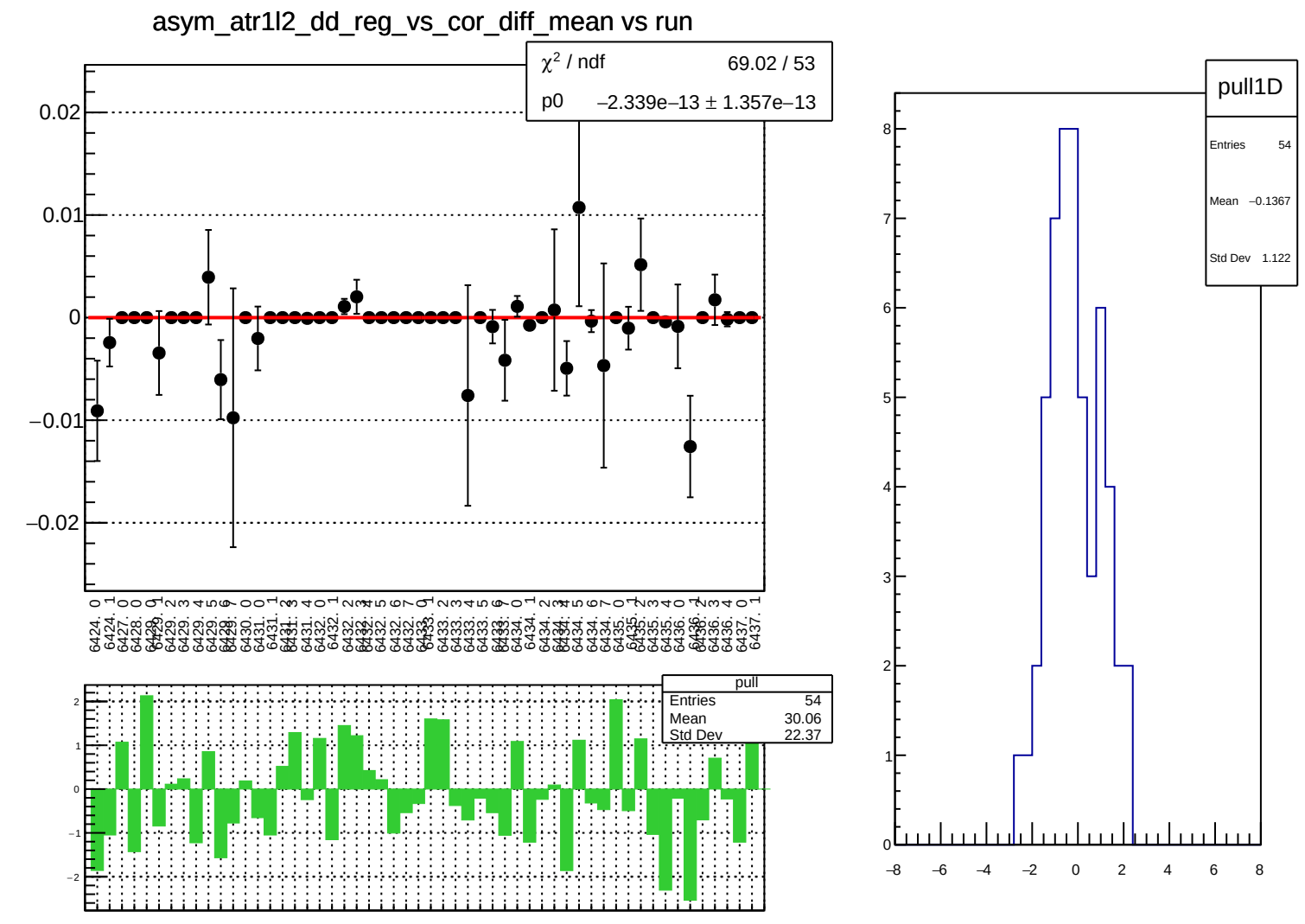

pull1D
Entries 54
Mean −0.004042
Std Dev 1.029

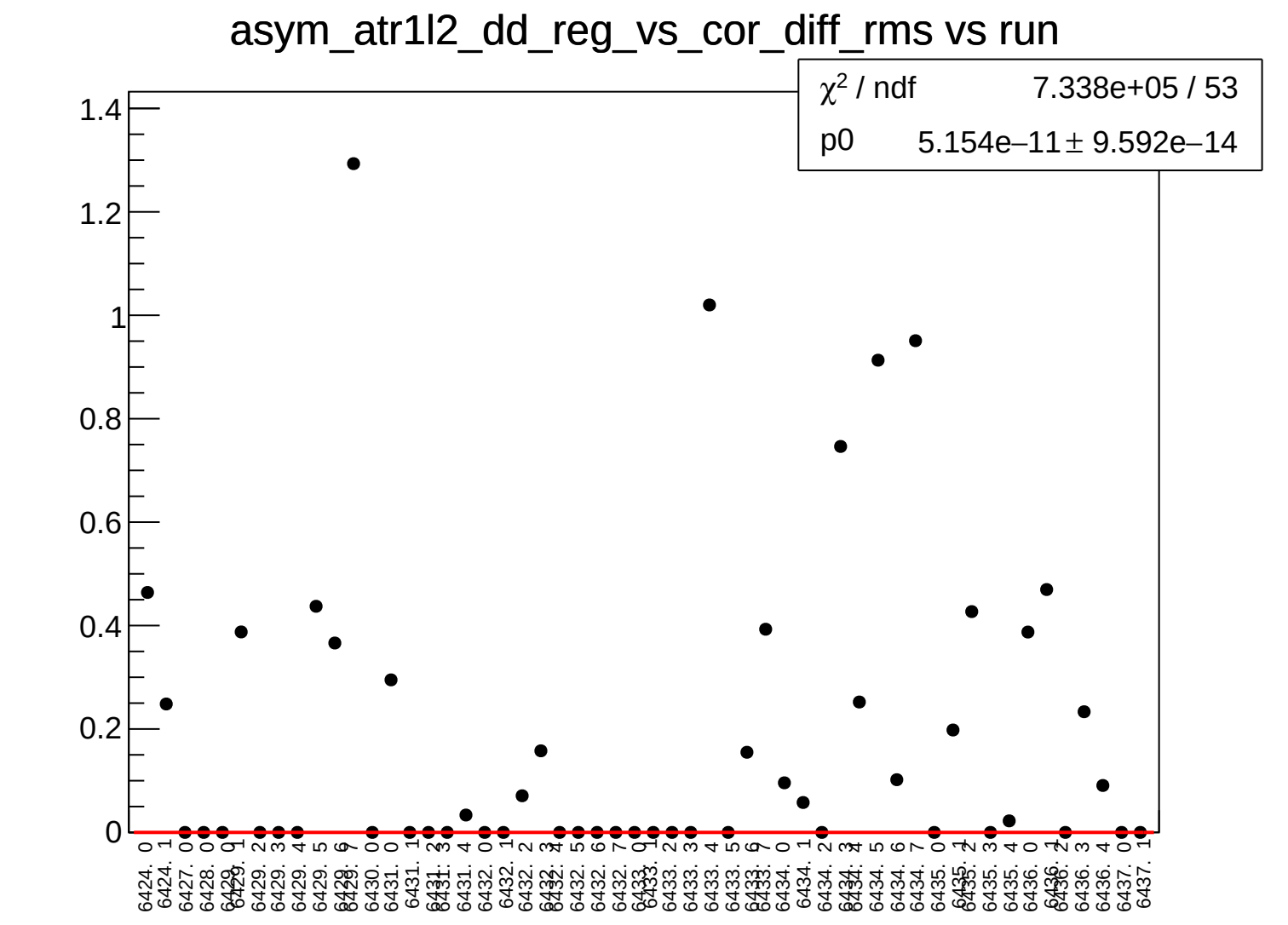

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2698 / 53
p0 3887 ± 3.849
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

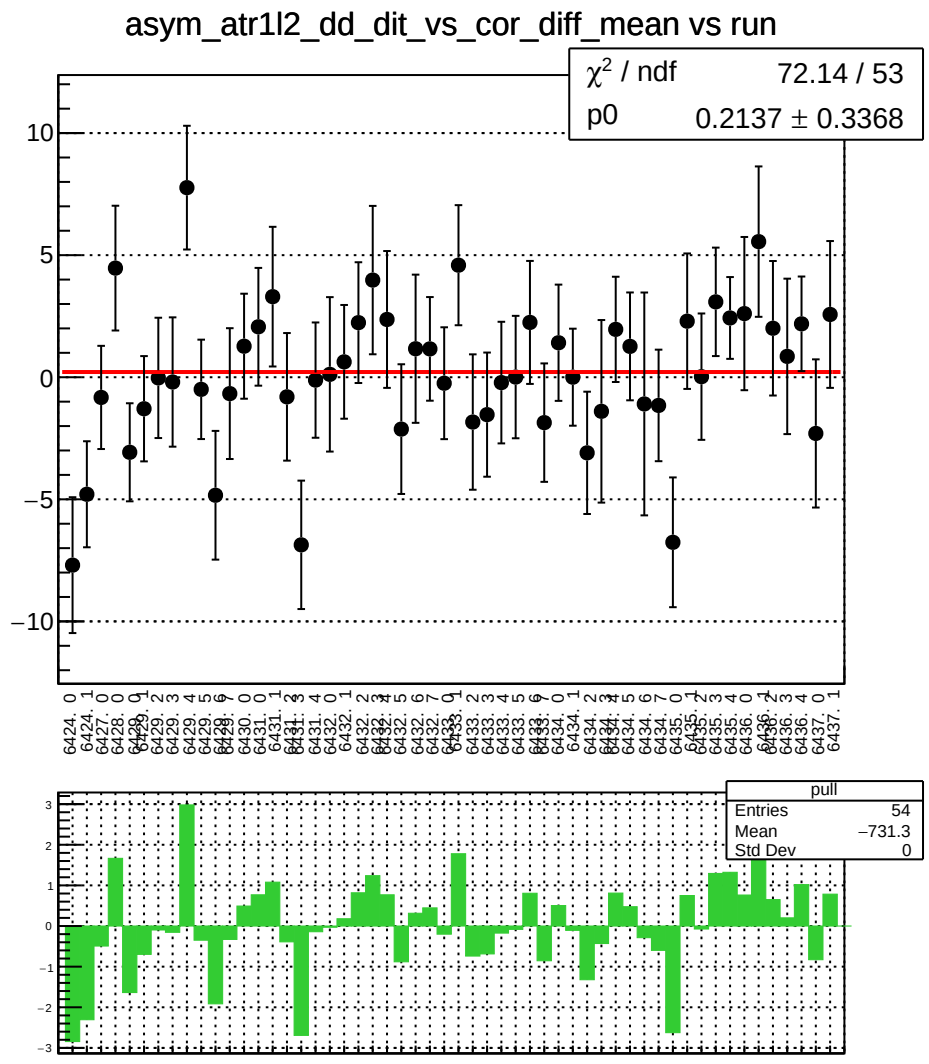

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 57.27 / 53
p0 −3327 ± 5955
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 384.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

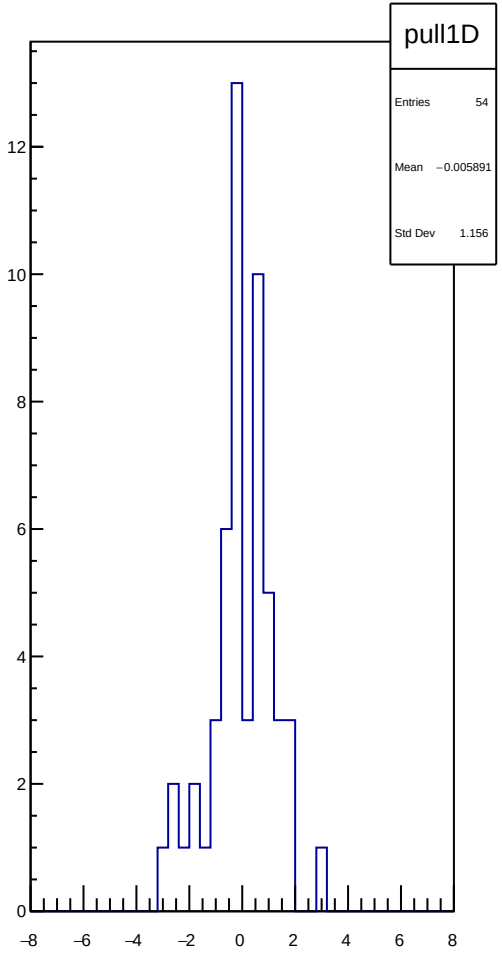

pull1D
Entries 54
Mean 0.006155
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

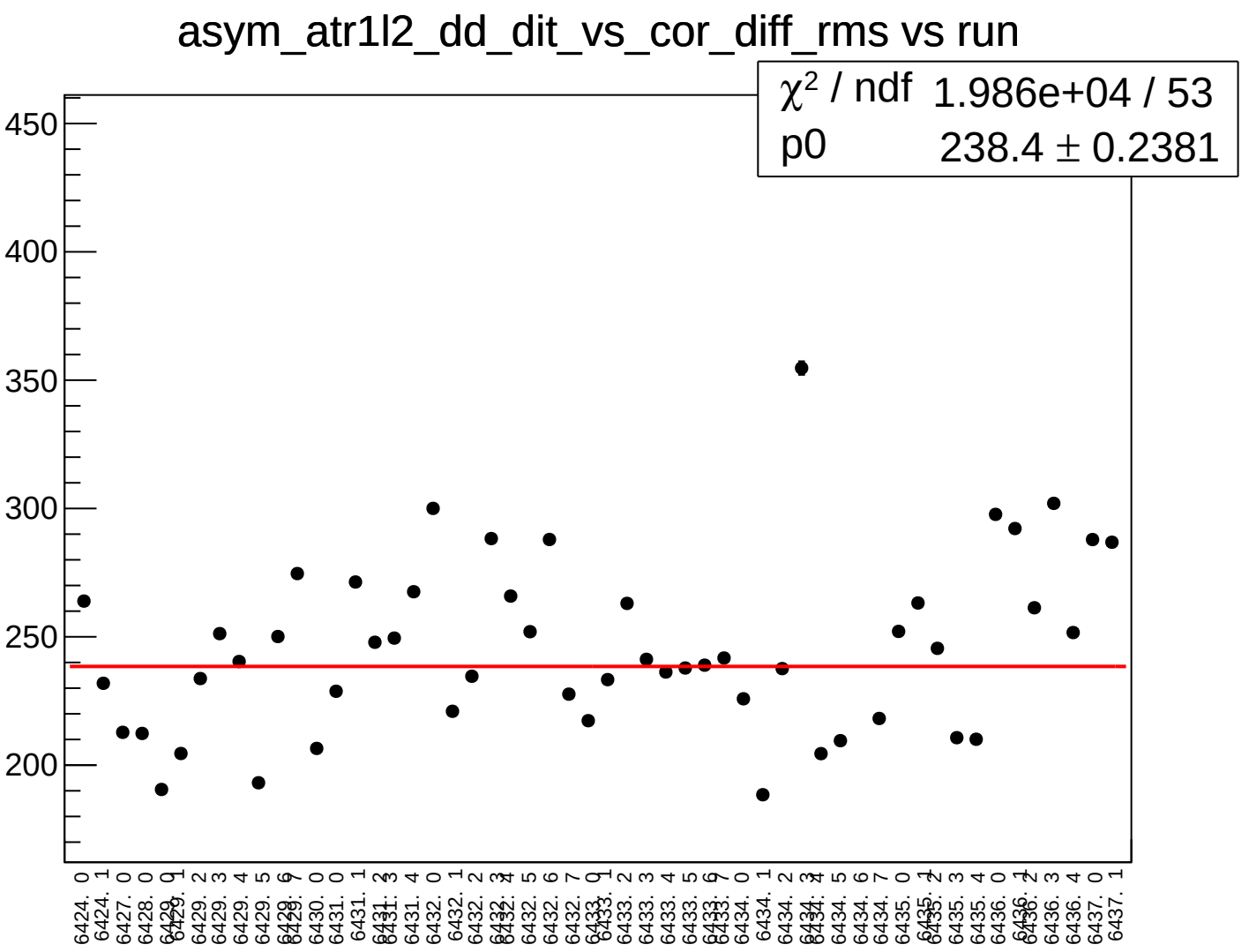

asym_atr1l2_dd_rms vs run
χ² / ndf 1877 / 53
p0 4254 ± 4.211
4800
4600
4400
4200
4000
3800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

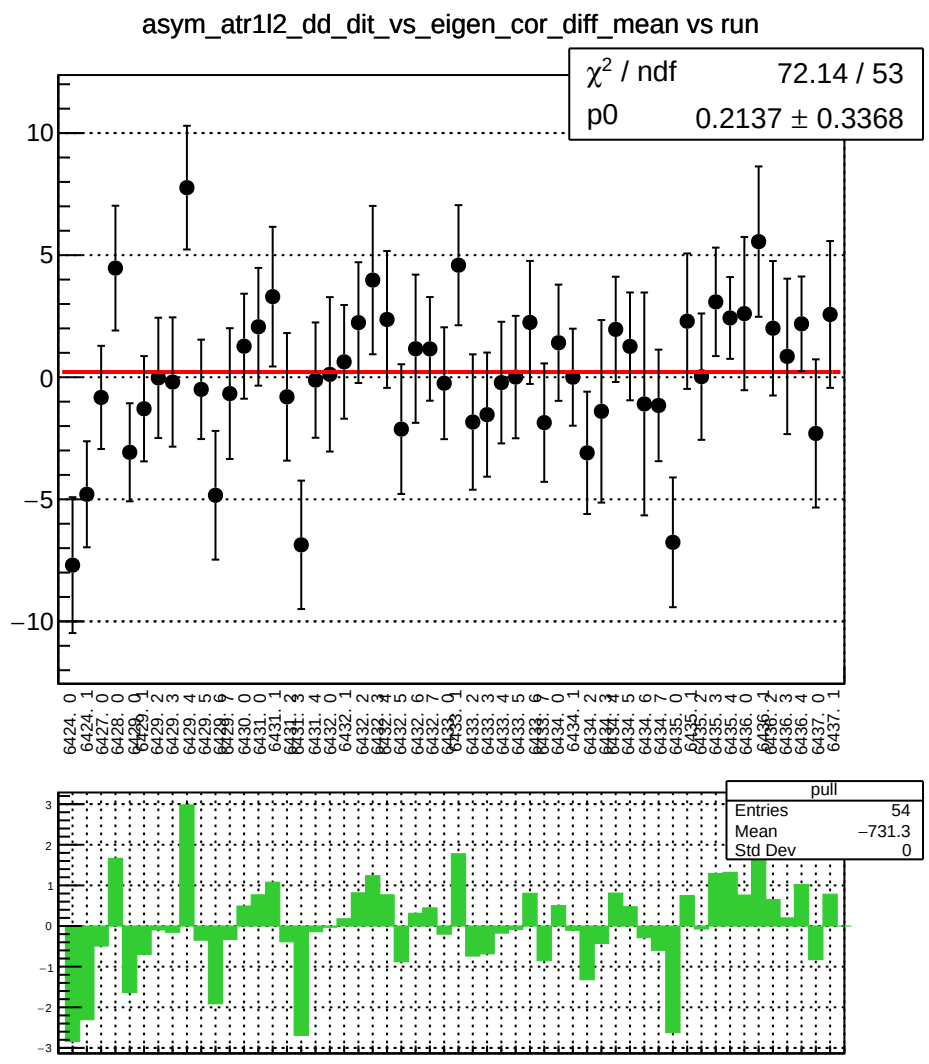

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.02 / 53
p0 −2.339e−13 ± 1.357e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 30.06
Std Dev 22.37
pull1D
Entries 54
Mean −0.1367
Std Dev 1.122

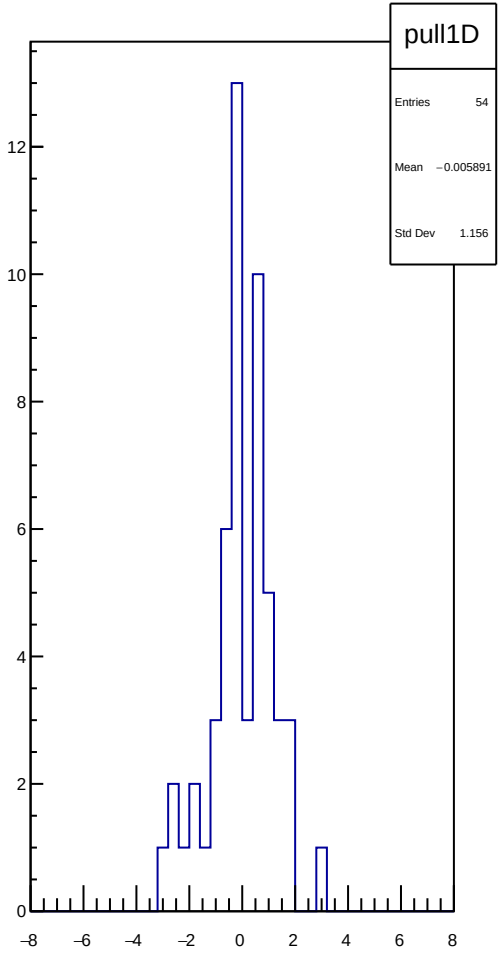

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.338e+05 / 53
p0 5.154e−11 ± 9.592e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

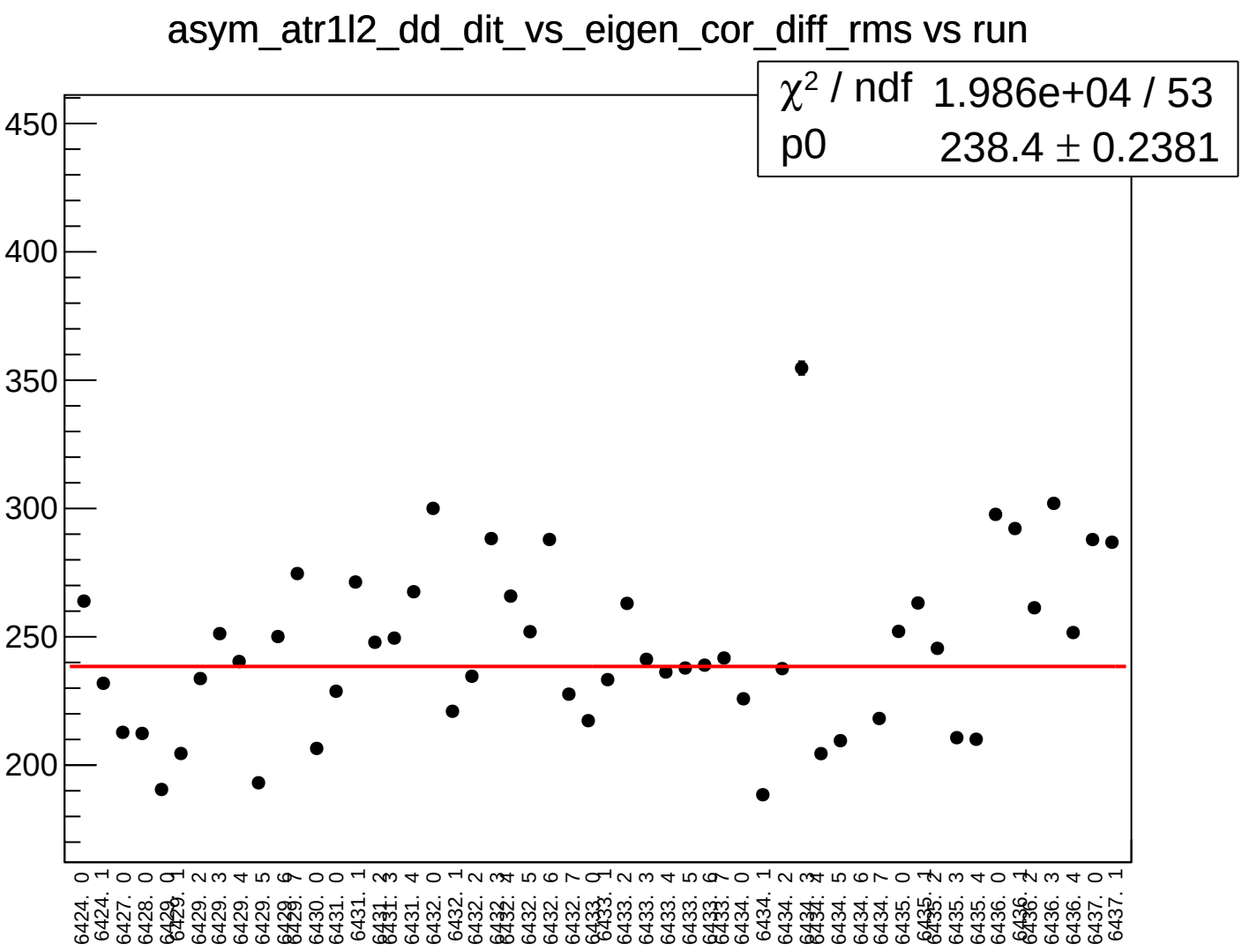

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.14 / 53
p0 0.2137 ± 0.3368
pull
Entries 54
Mean −731.3
Std Dev 0

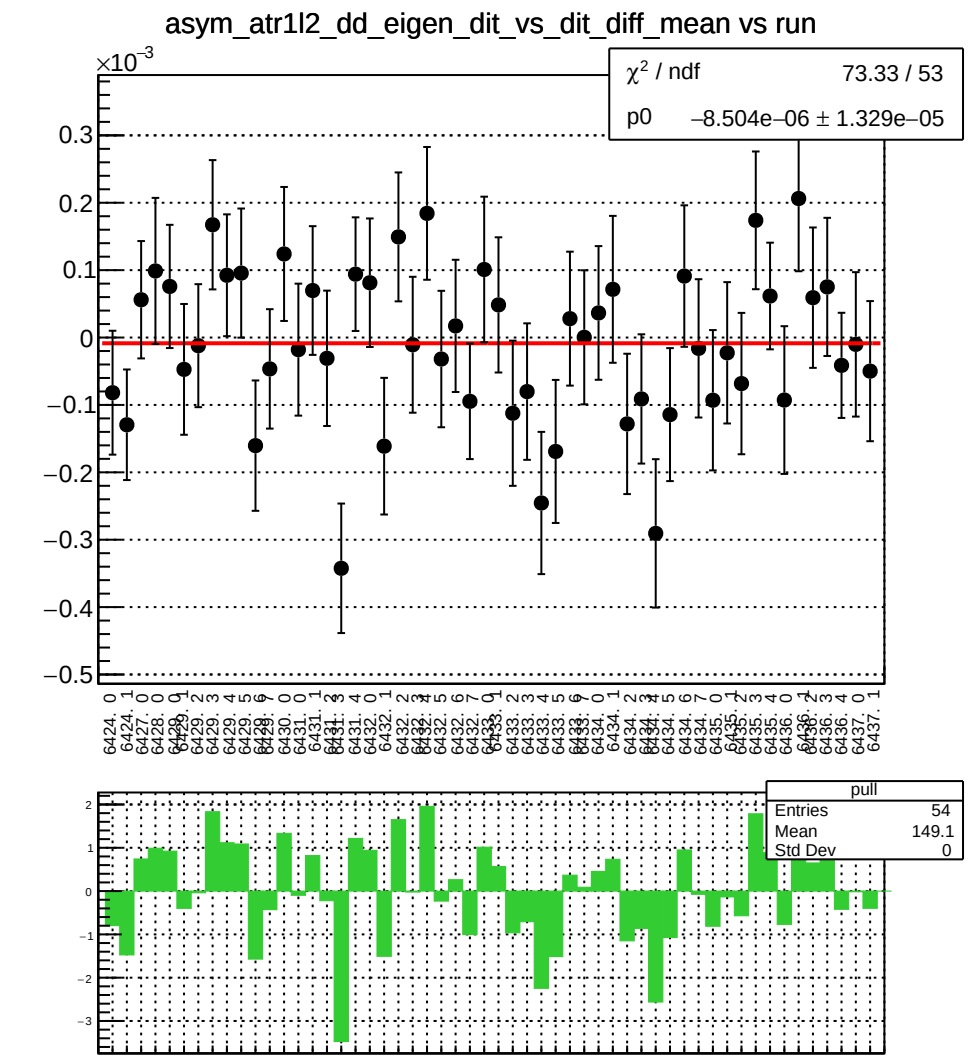

pull1D
Entries 54
Mean −0.005891
Std Dev 1.156

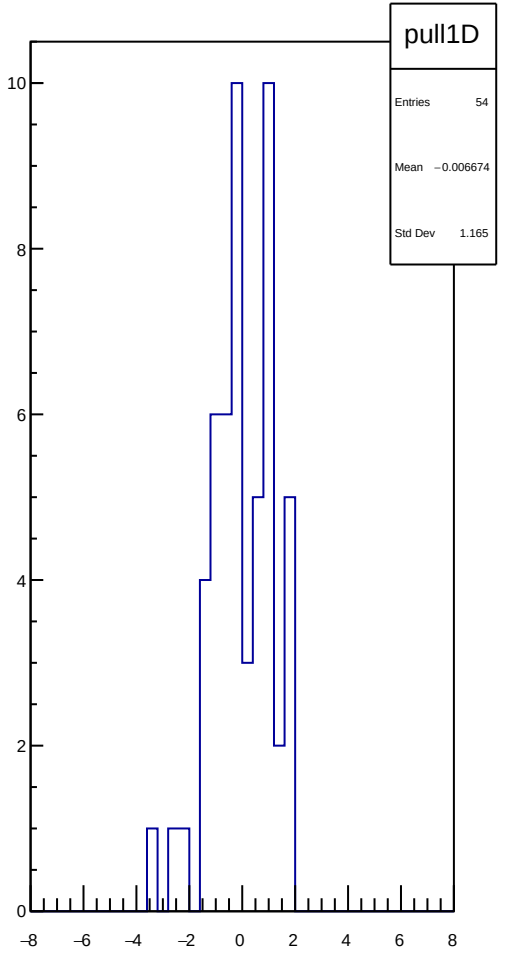

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.986e+04 / 53
p0 238.4 ± 0.2381
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

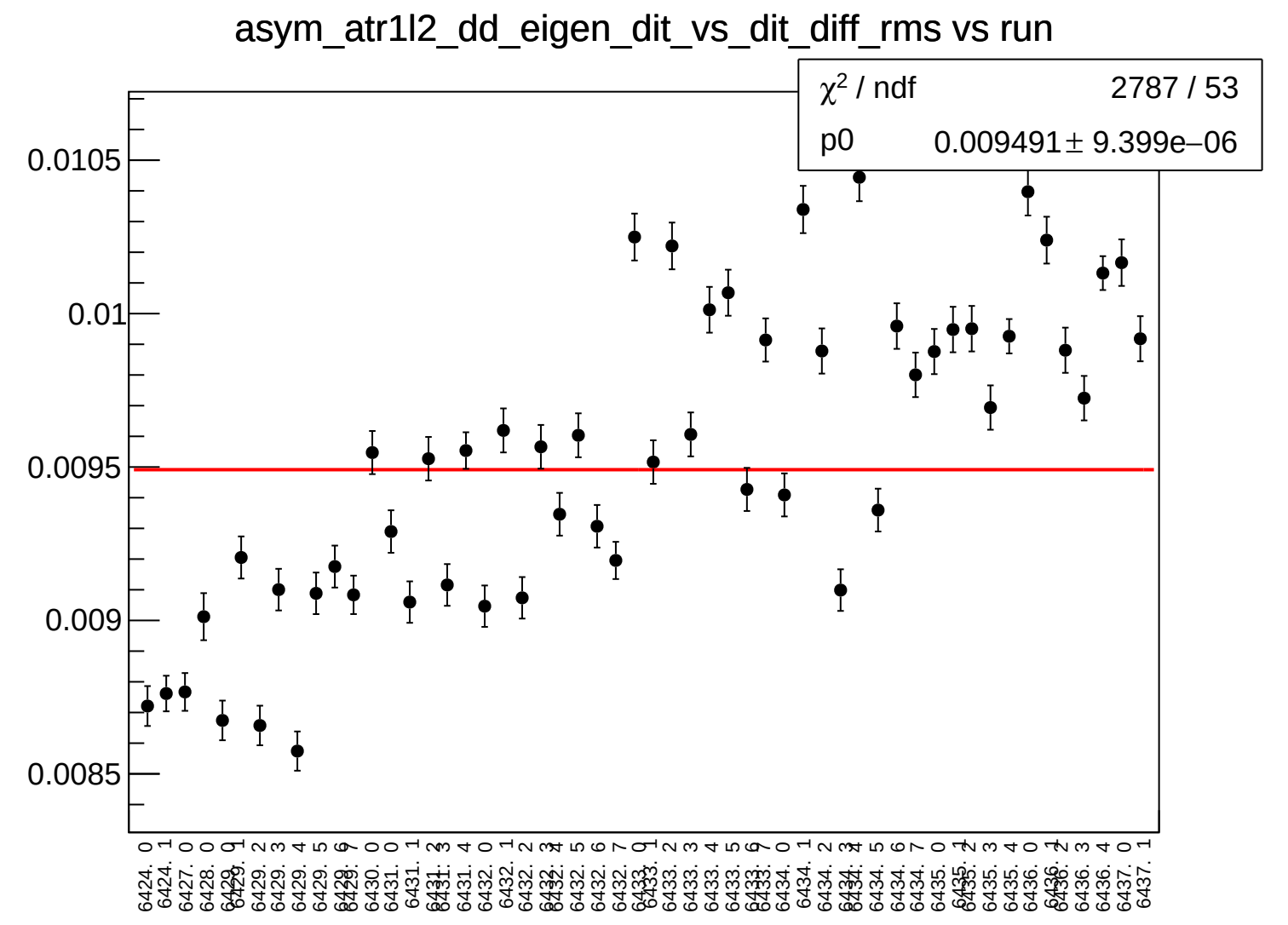

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.14 / 53
p0 0.2137 ± 0.3368
pull
Entries 54
Mean −731.3
Std Dev 0

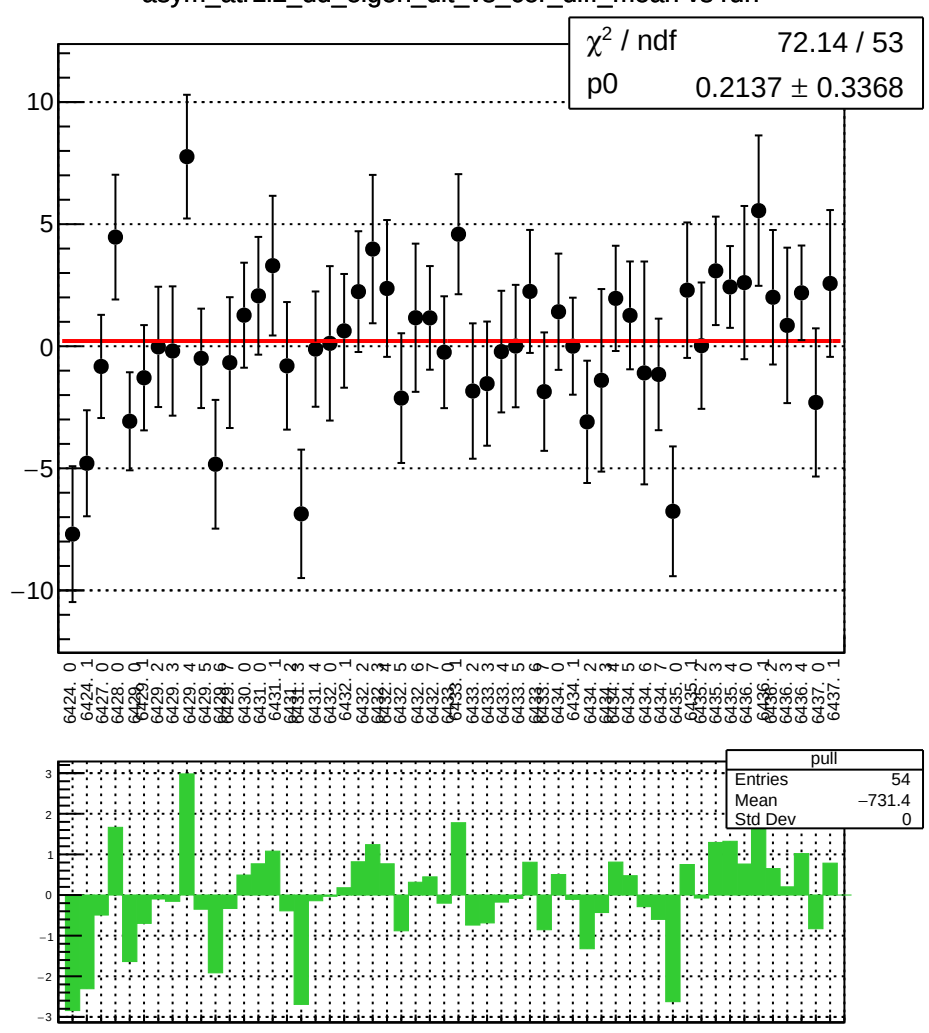

pull1D
Entries 54
Mean −0.005891
Std Dev 1.156

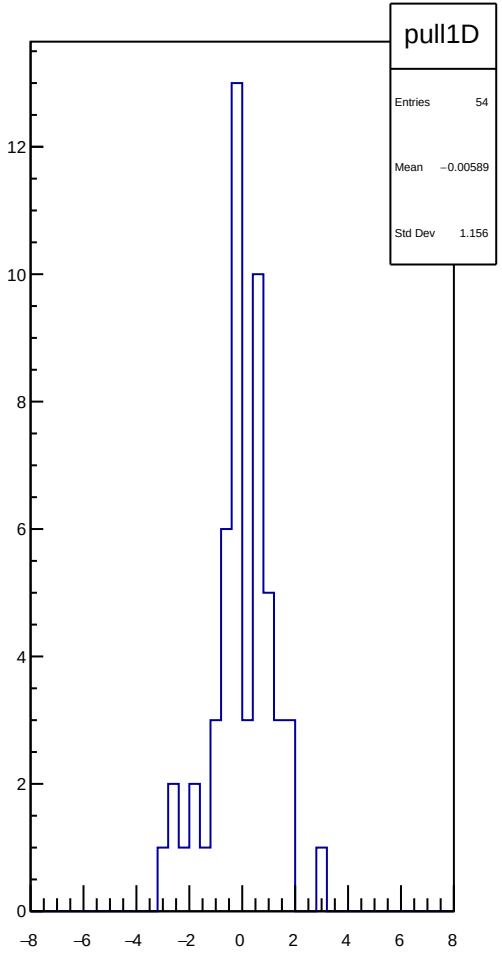

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.986e+04 / 53
p0 238.4 ± 0.2381
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

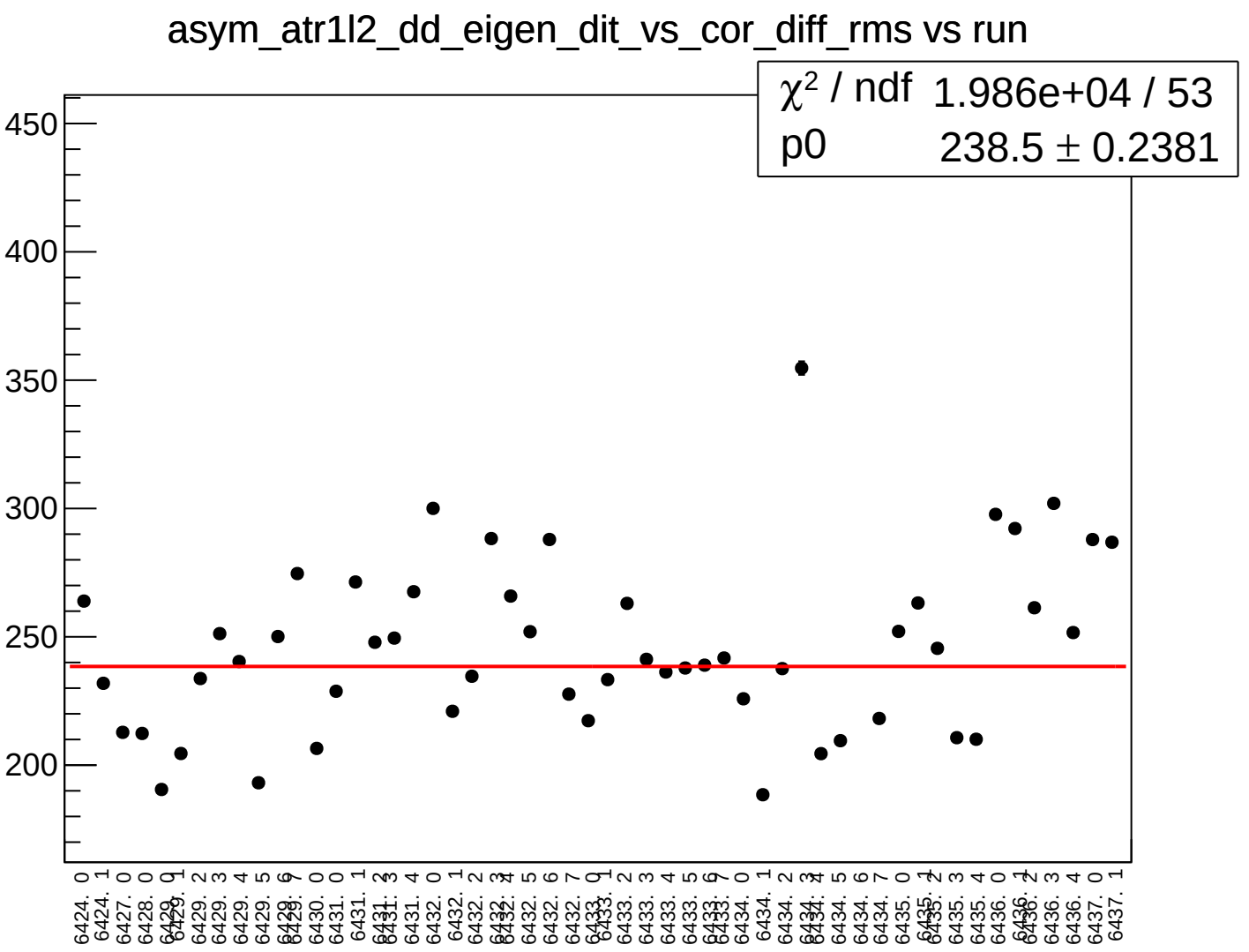

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.33 / 53
p0 −8.504e−06 ± 1.329e−05
pull
Entries 54
Mean 149.1
Std Dev 0


pull1D
Entries 54
Mean −0.006674
Std Dev 1.165


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2787 / 53
p0 0.009491 ± 9.399e−06
0.0105
0.01
0.0095
0.009
0.0085
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.14 / 53
p0 0.2137 ± 0.3368
pull
Entries 54
Mean −731.4
Std Dev 0


pull1D
Entries 54
Mean −0.00589
Std Dev 1.156


asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.986e+04 / 53
p0 238.5 ± 0.2381
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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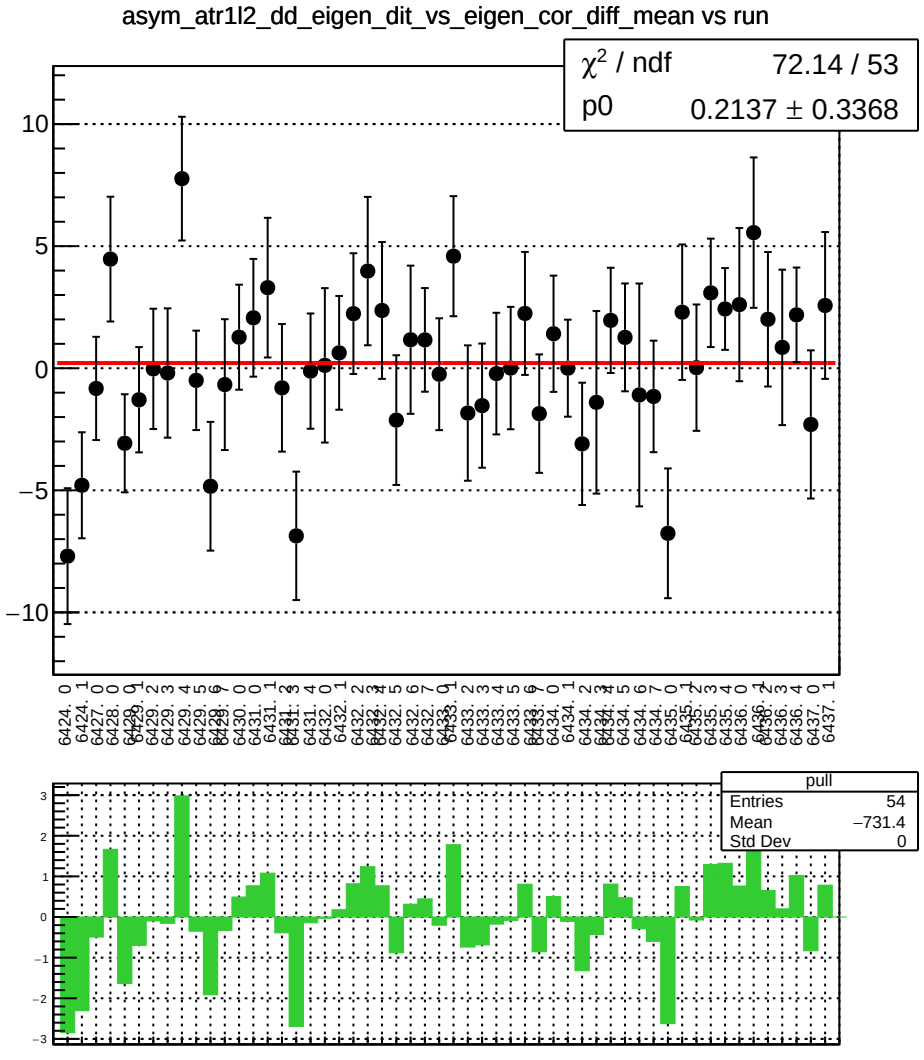
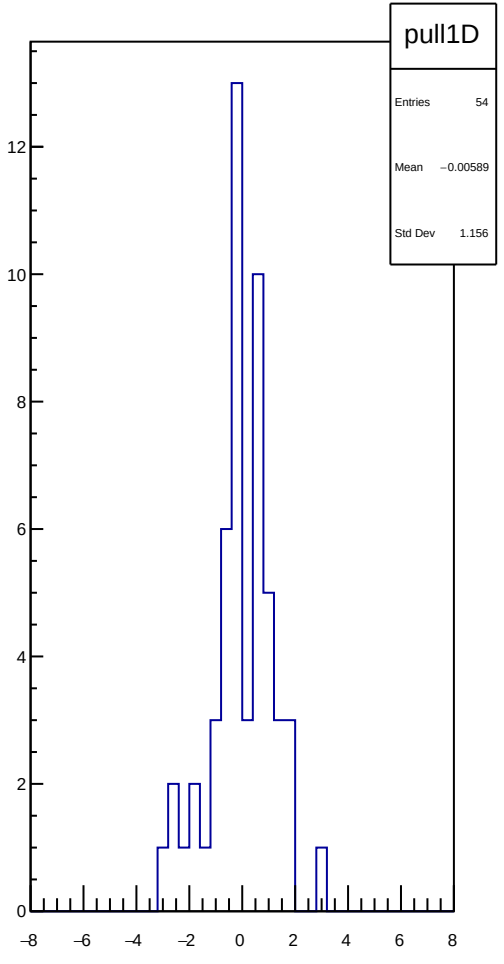
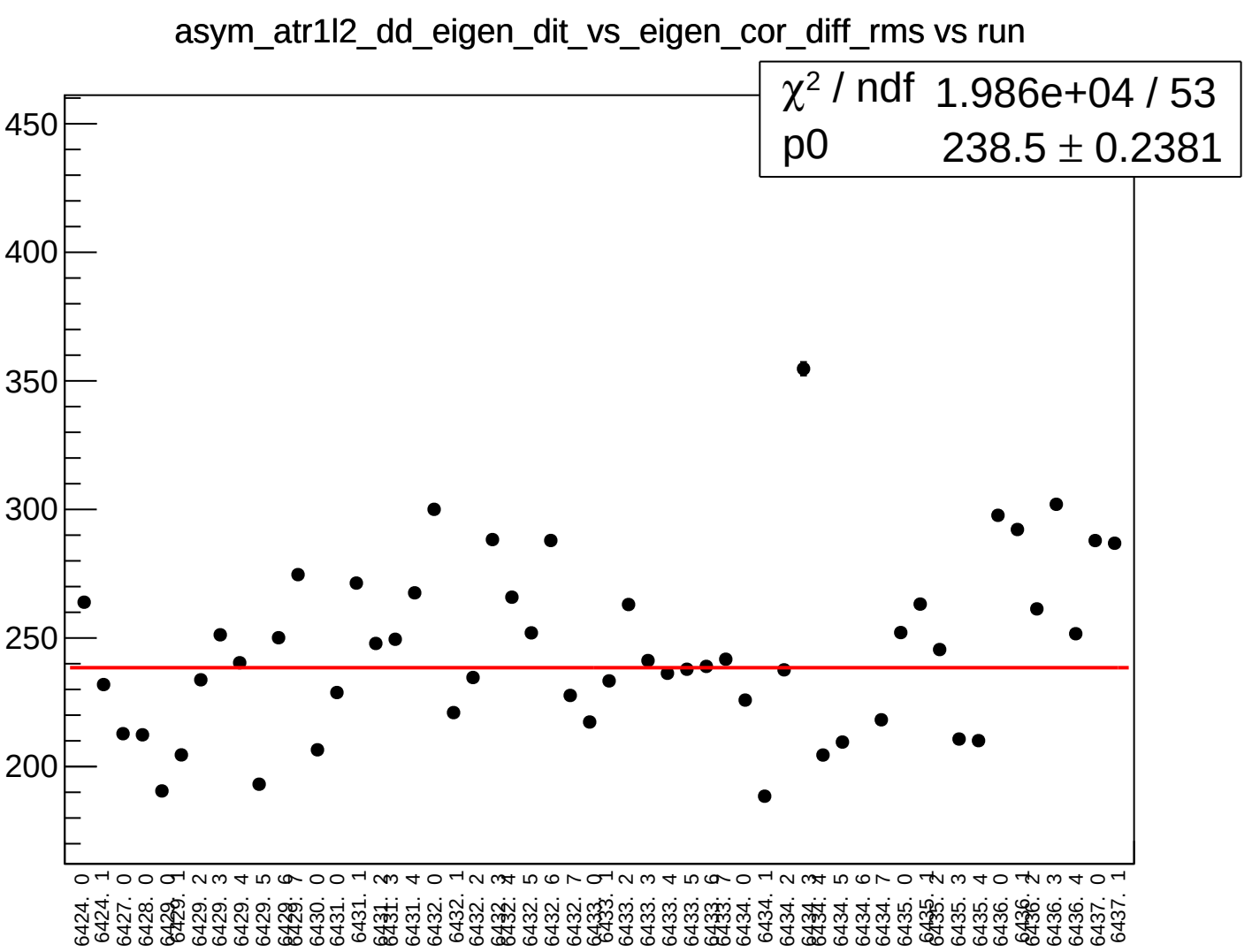
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.14 / 53
p0 0.2137 ± 0.3368
pull
Entries 54
Mean −731.4
Std Dev 0


pull1D
Entries 54
Mean −0.00589
Std Dev 1.156


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.986e+04 / 53
p0 238.5 ± 0.2381
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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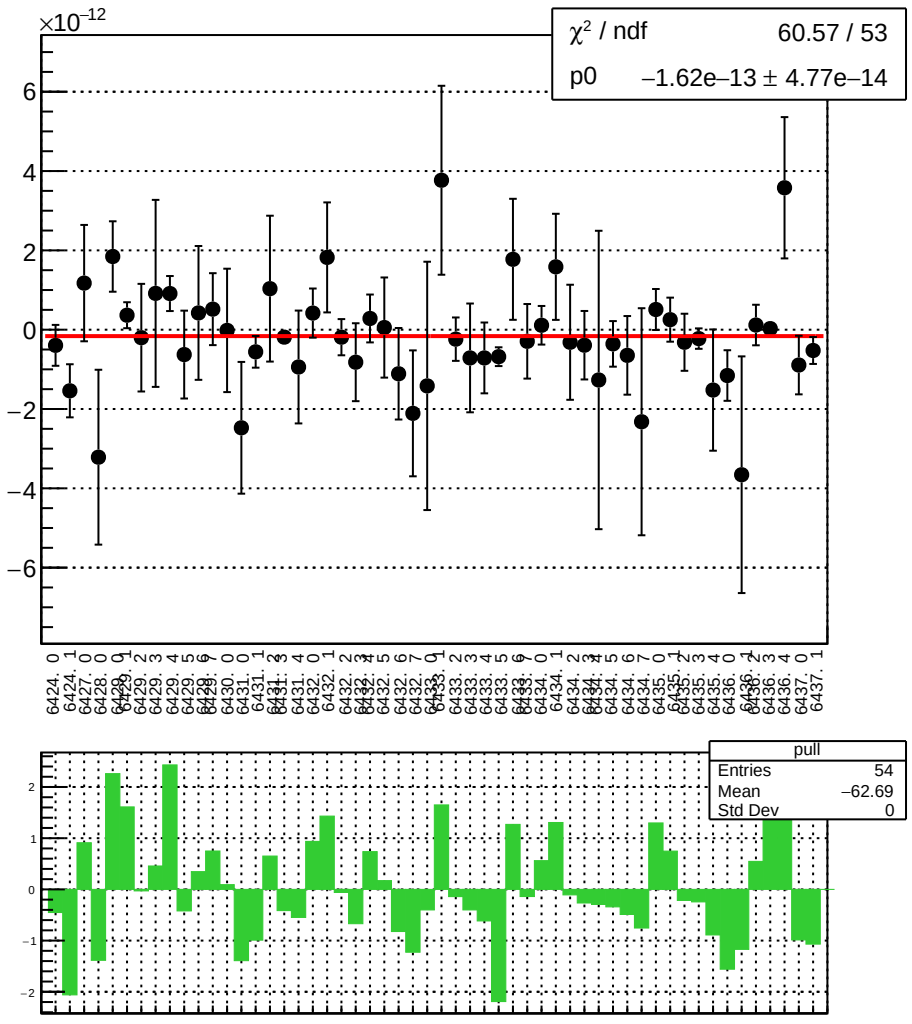
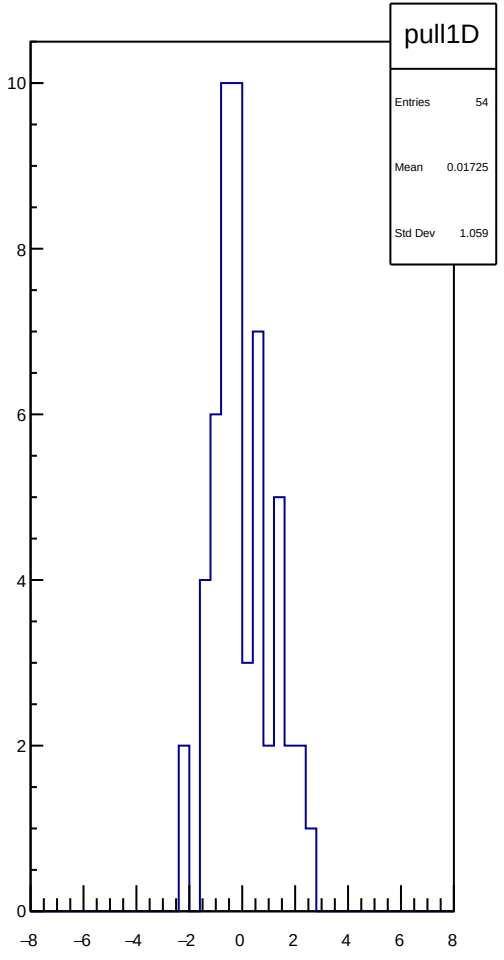
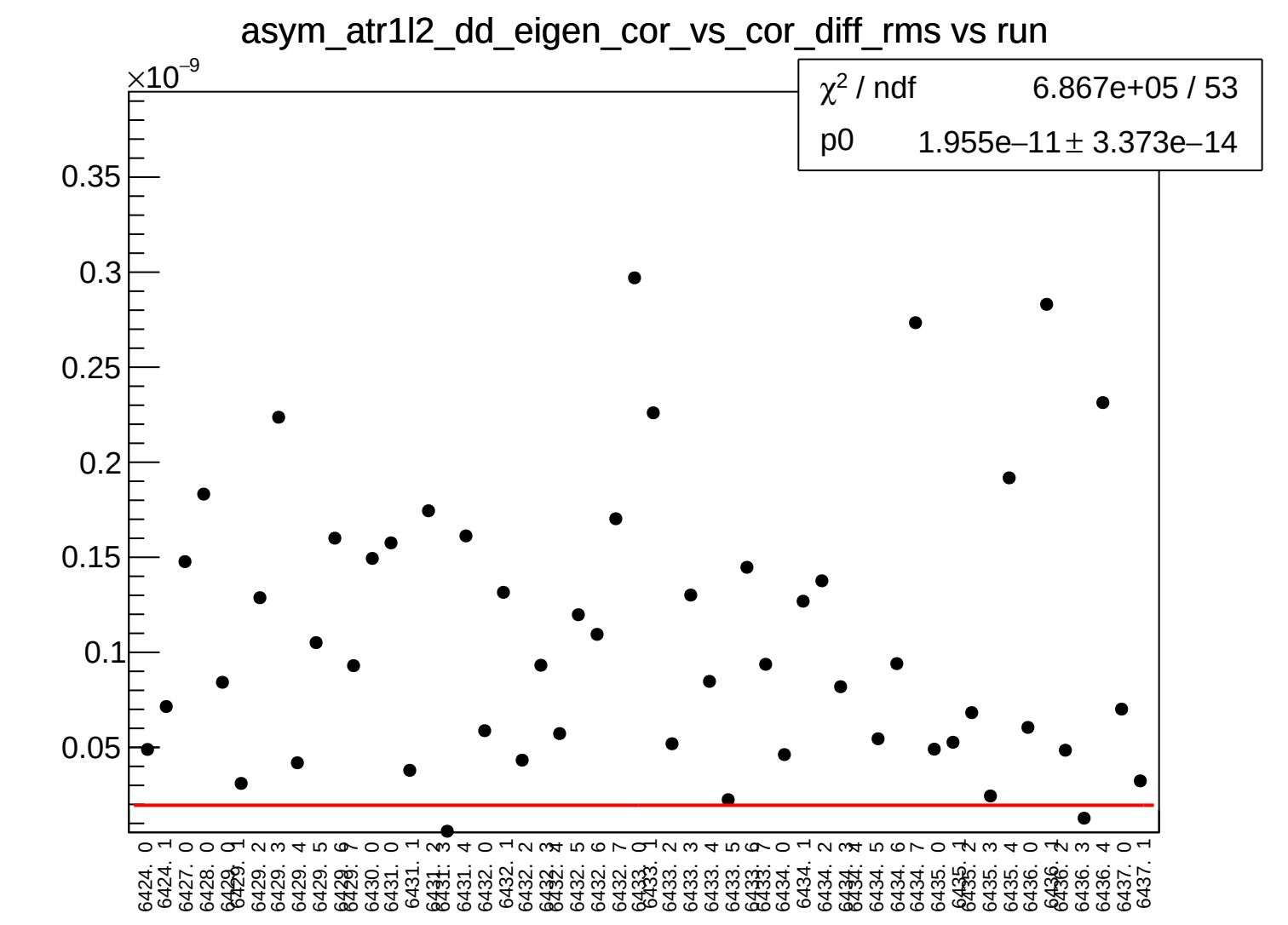
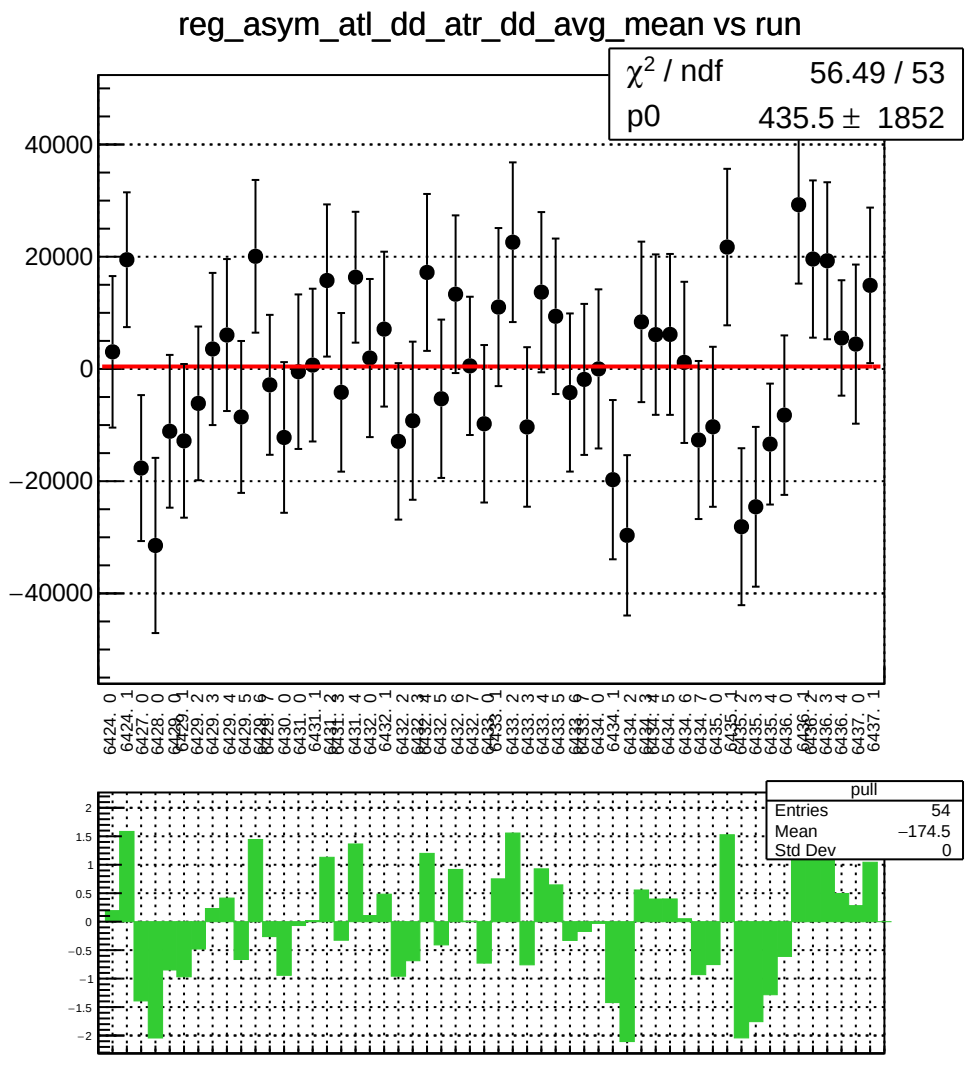
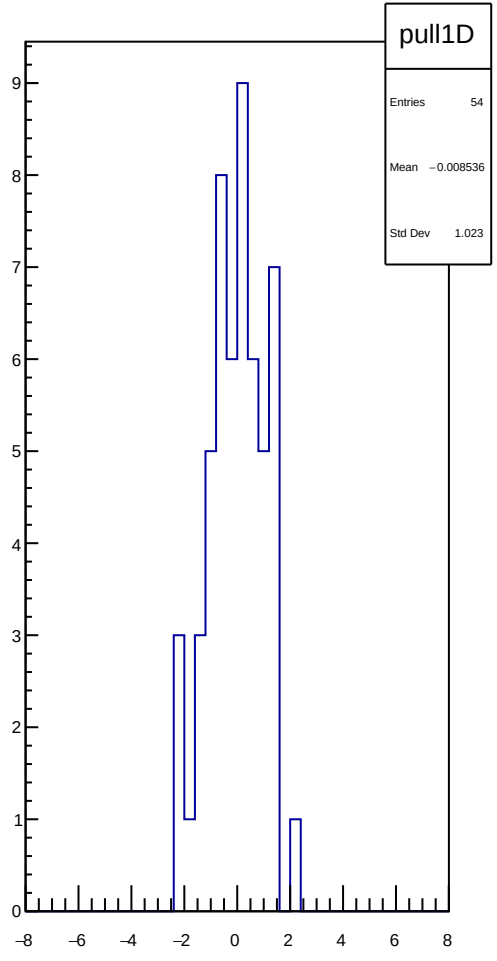
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

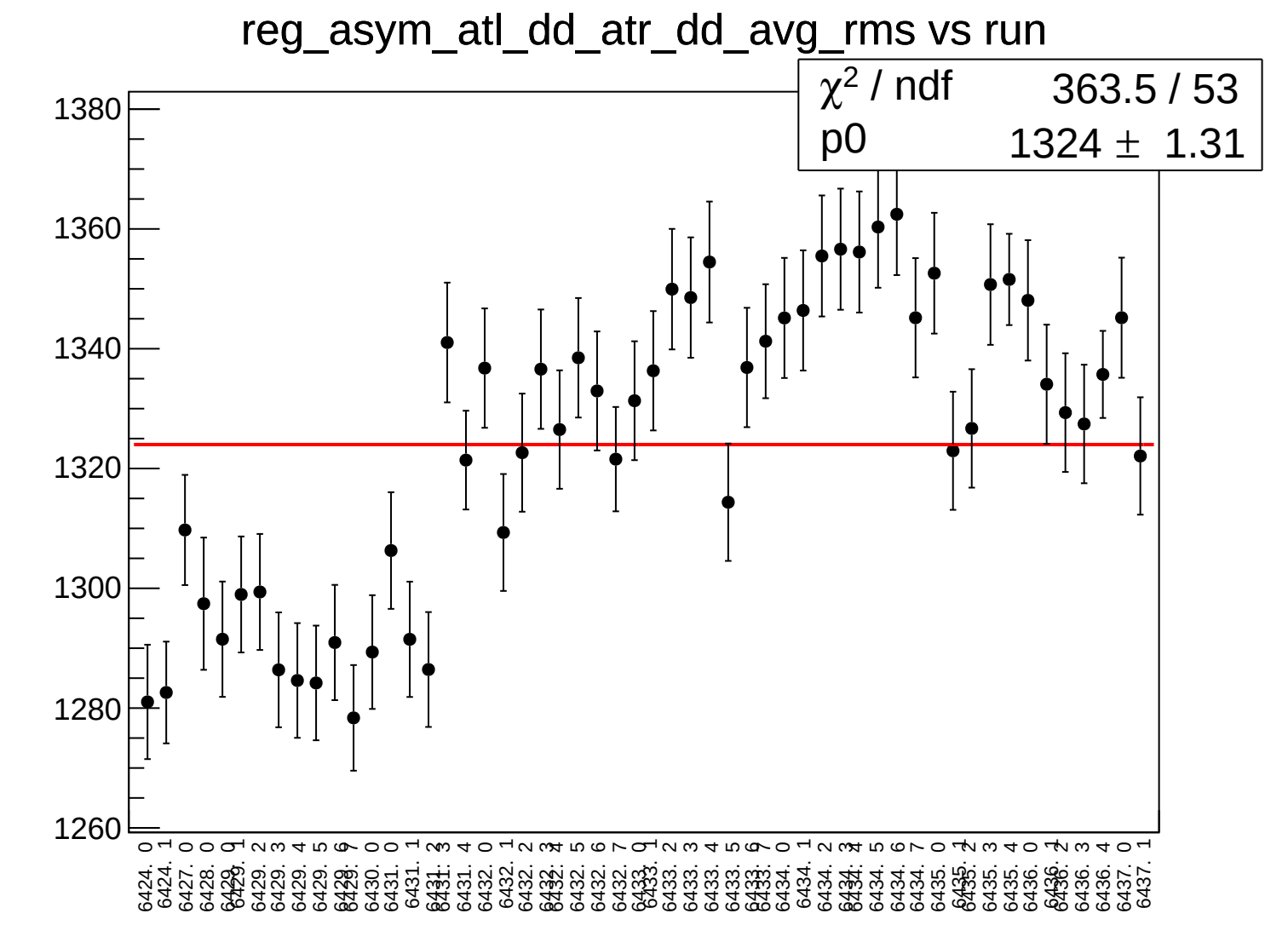

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.57 / 53
p0 −1.62e−13 ± 4.77e−14
pull
Entries 54
Mean −62.69
Std Dev 0

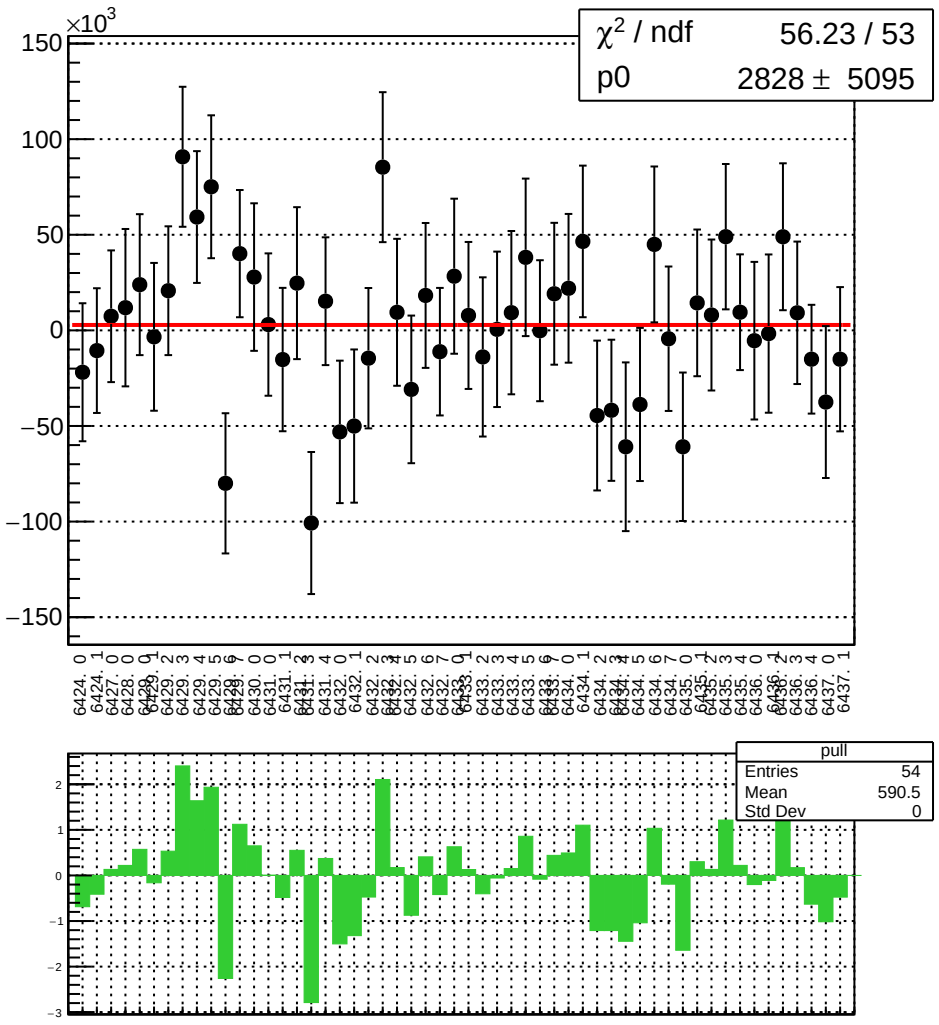

pull1D
Entries 54
Mean 0.01725
Std Dev 1.059

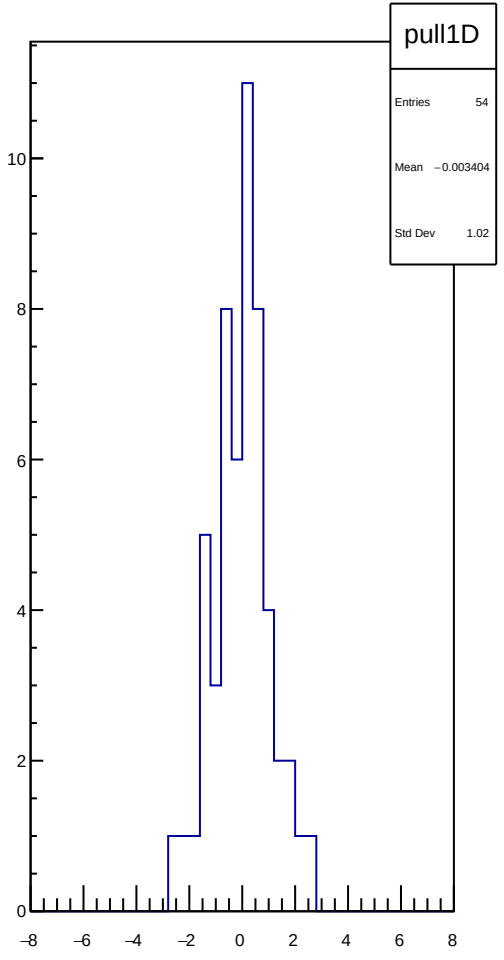

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.867e+05 / 53
p0 1.955e−11 ± 3.373e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

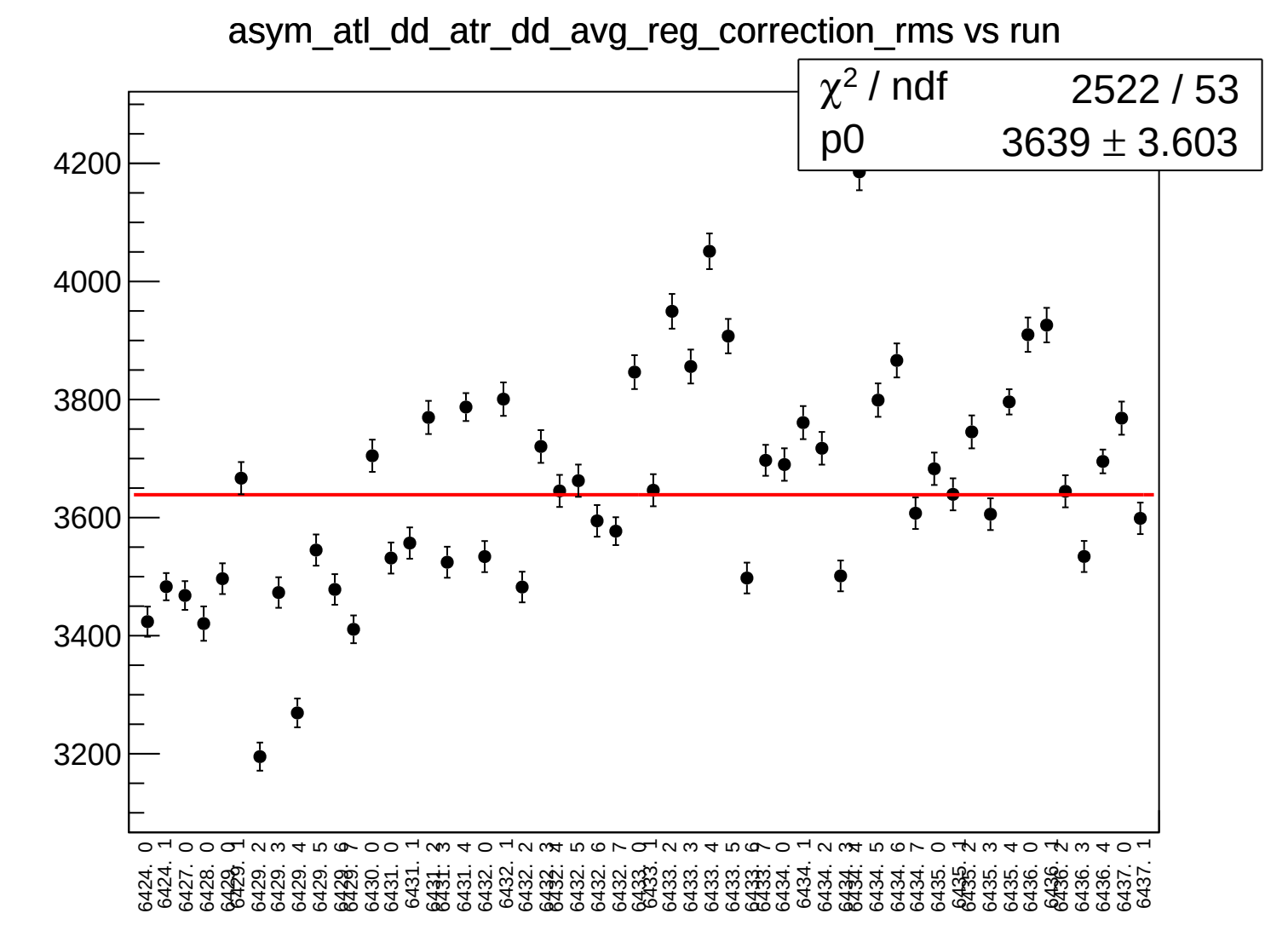

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.49 / 53
p0 435.5 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

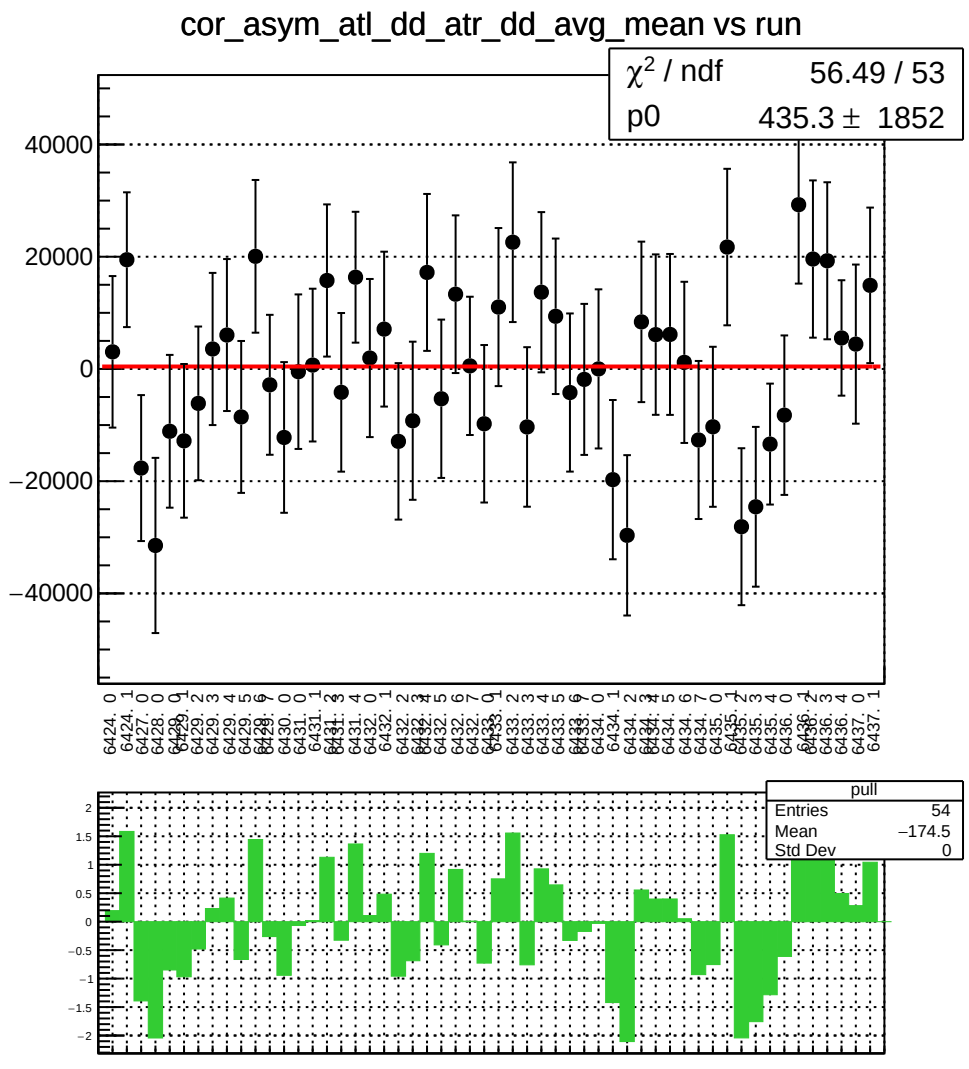

pull1D
Entries 54
Mean −0.008536
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

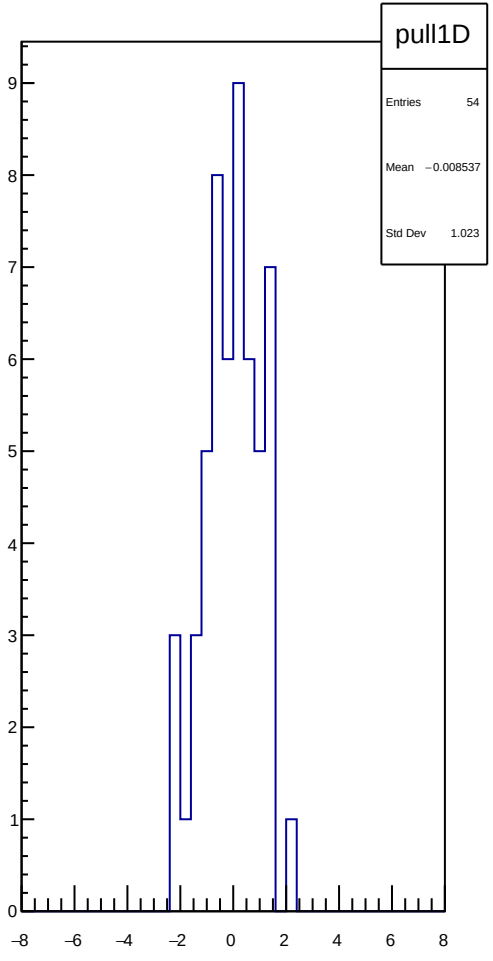

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

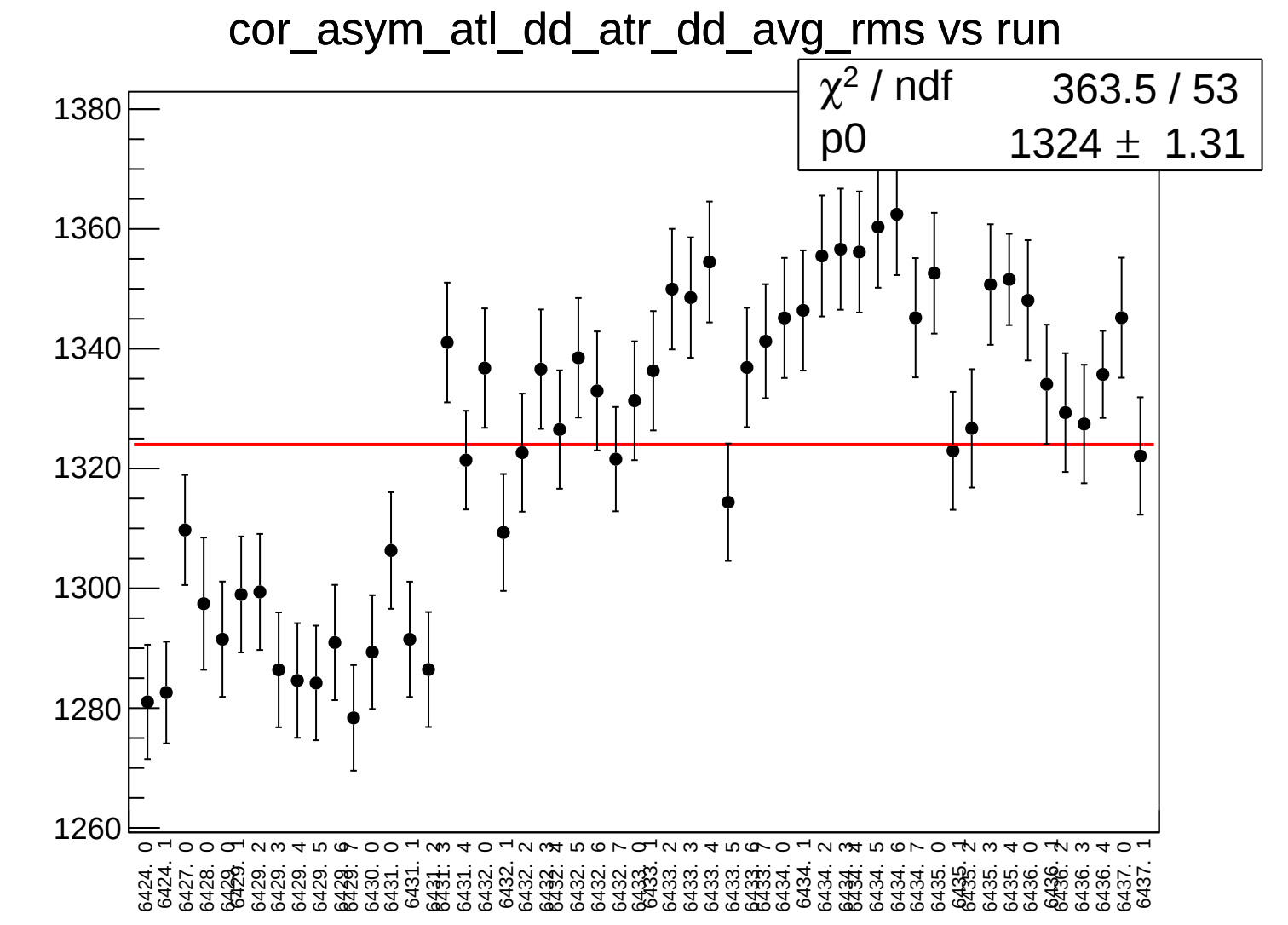

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.5
Std Dev 0

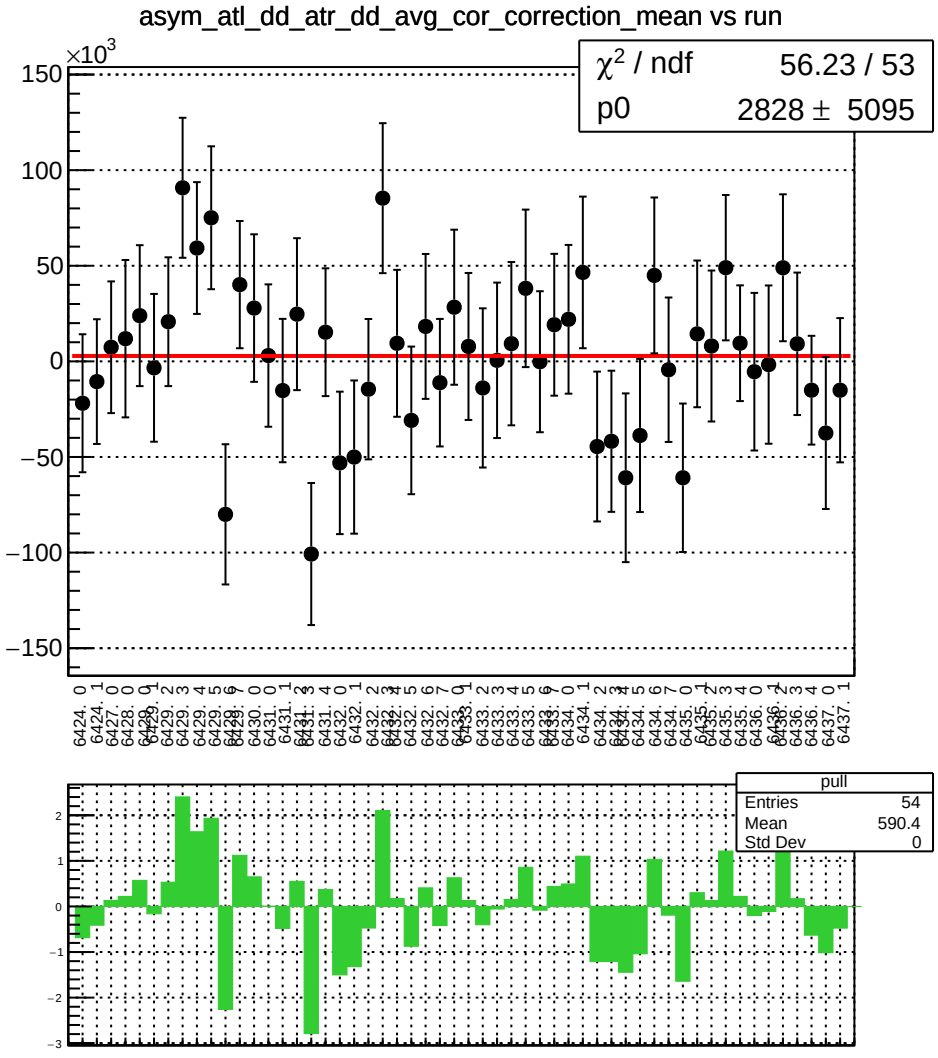

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02

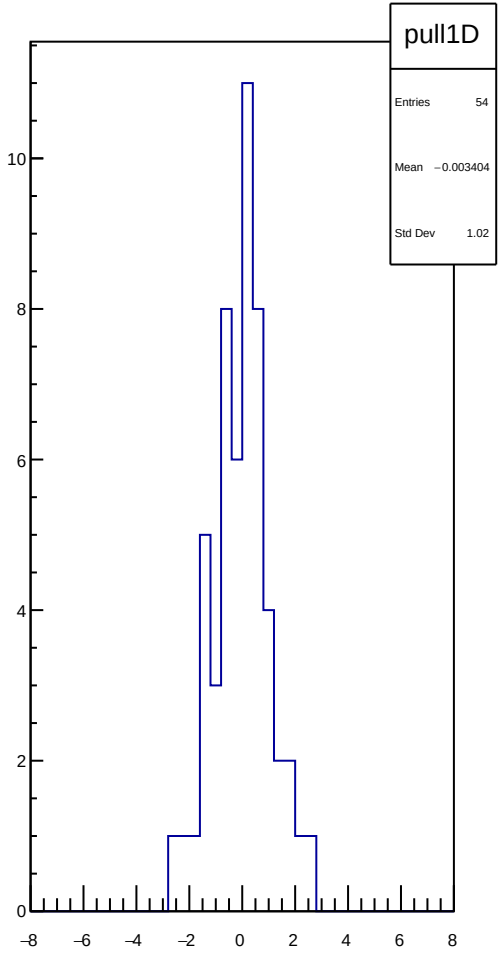

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 2522 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

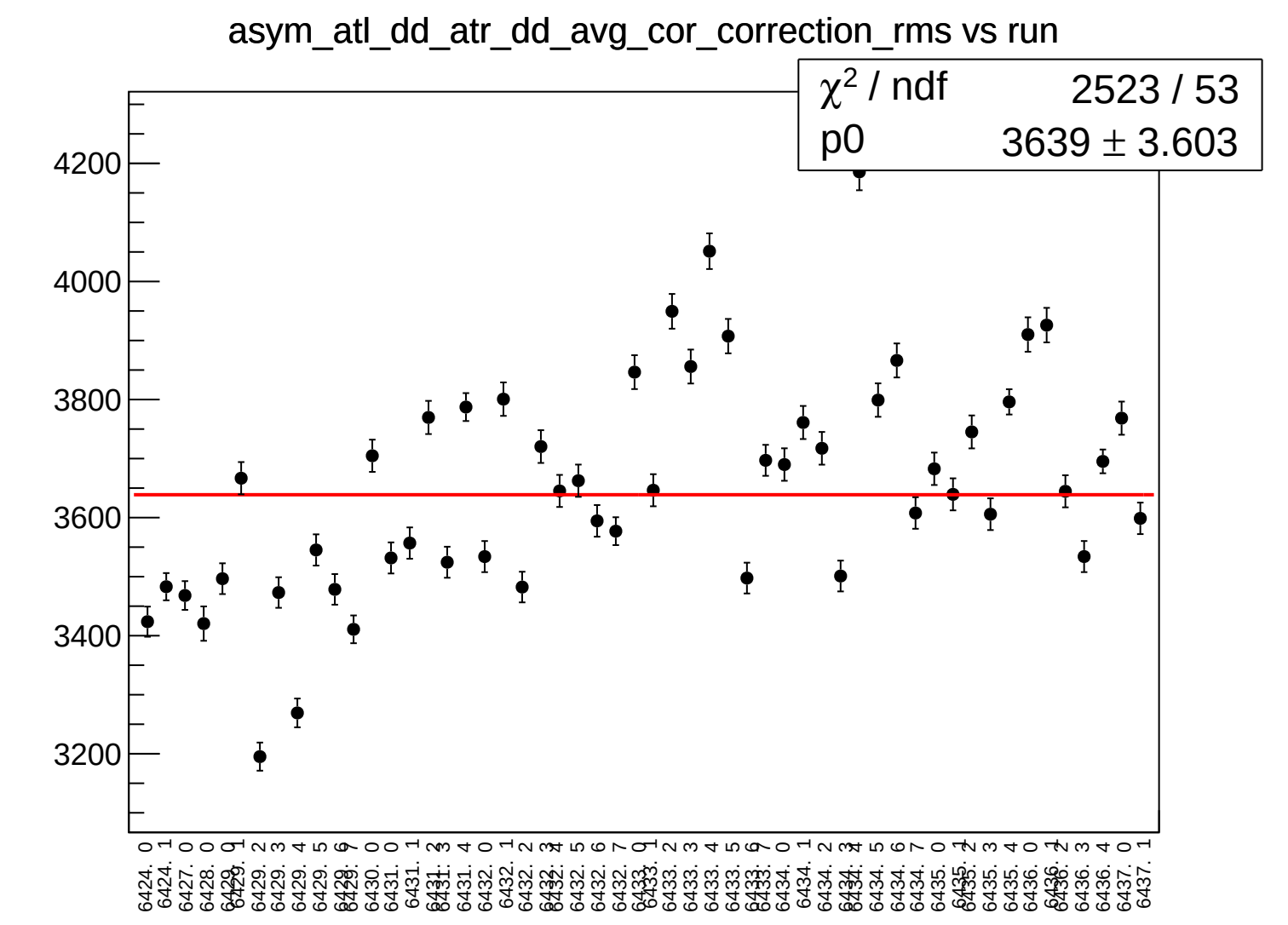

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

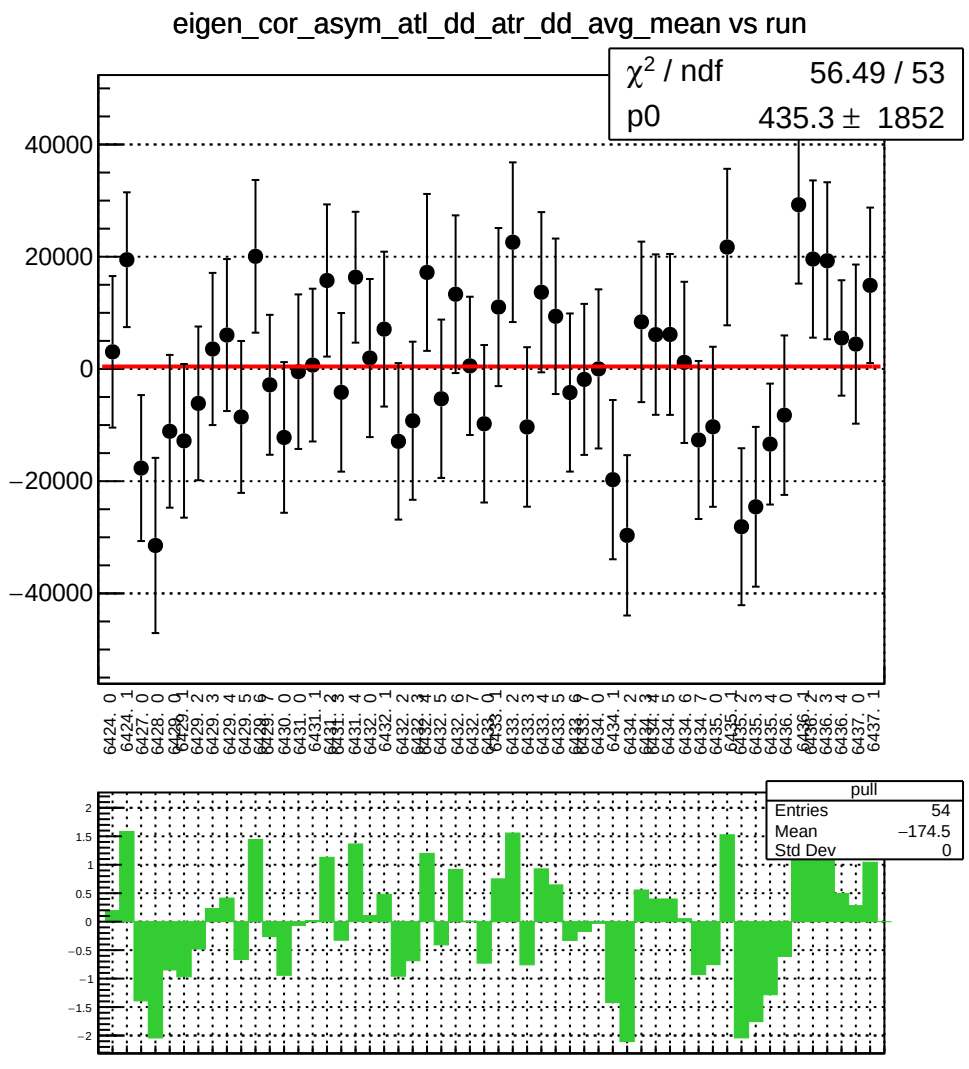

pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

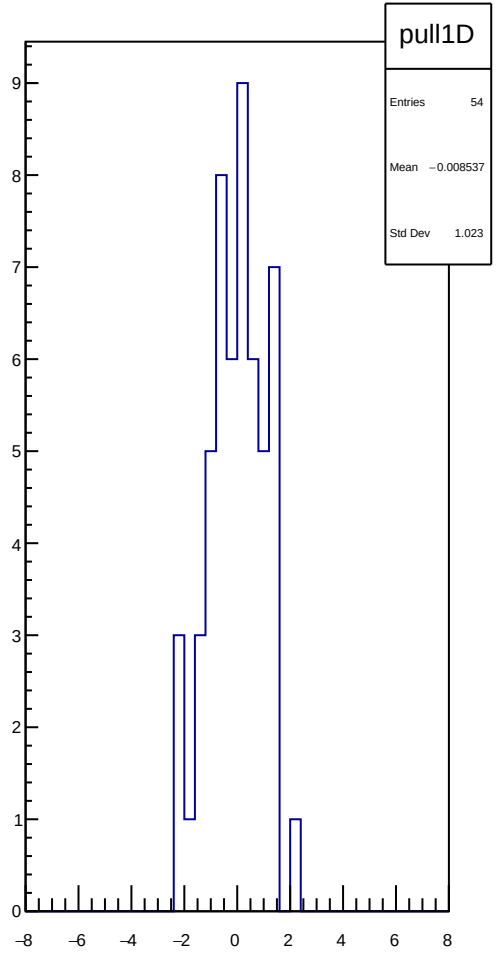

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

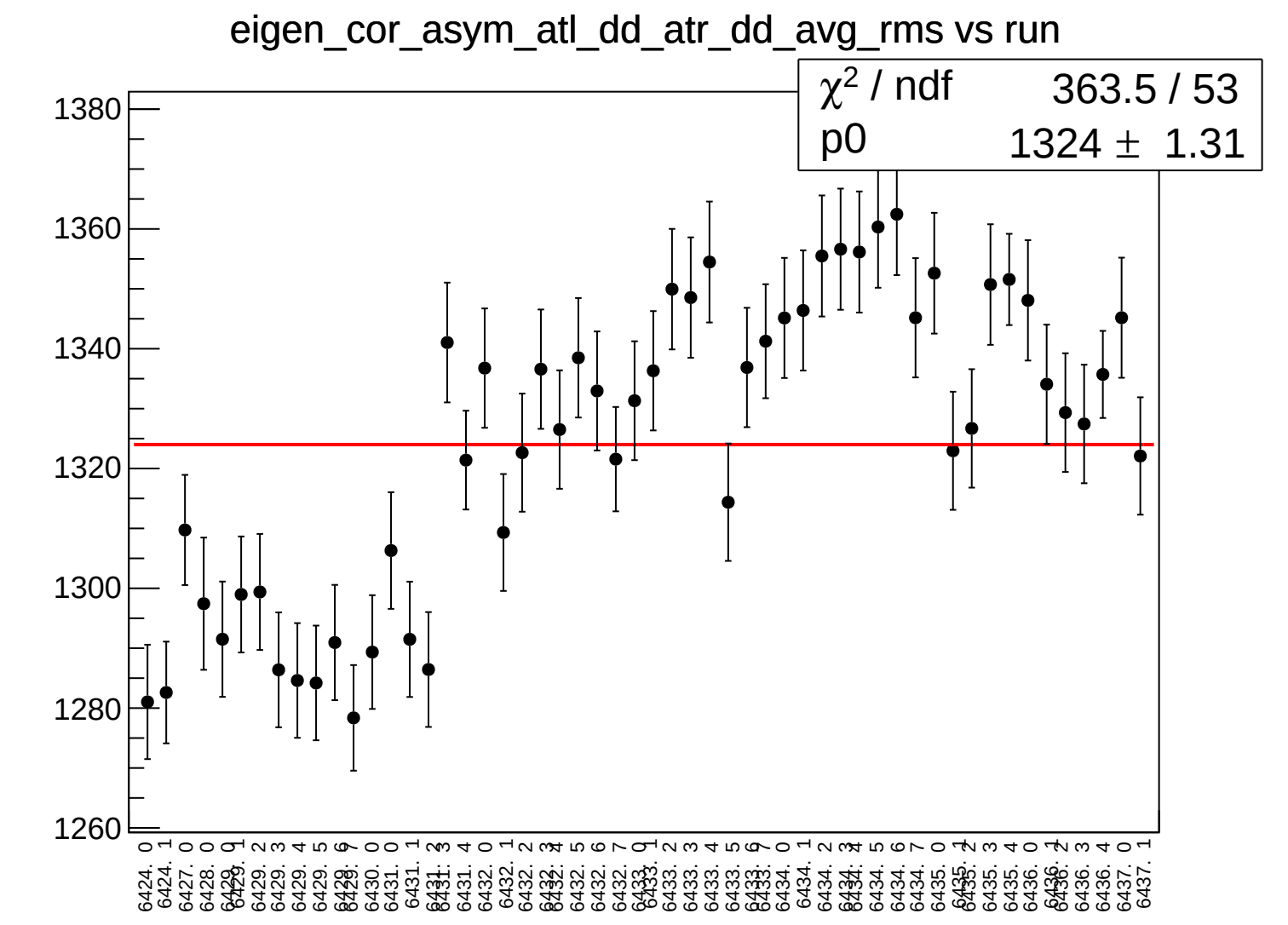

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.4
Std Dev 0

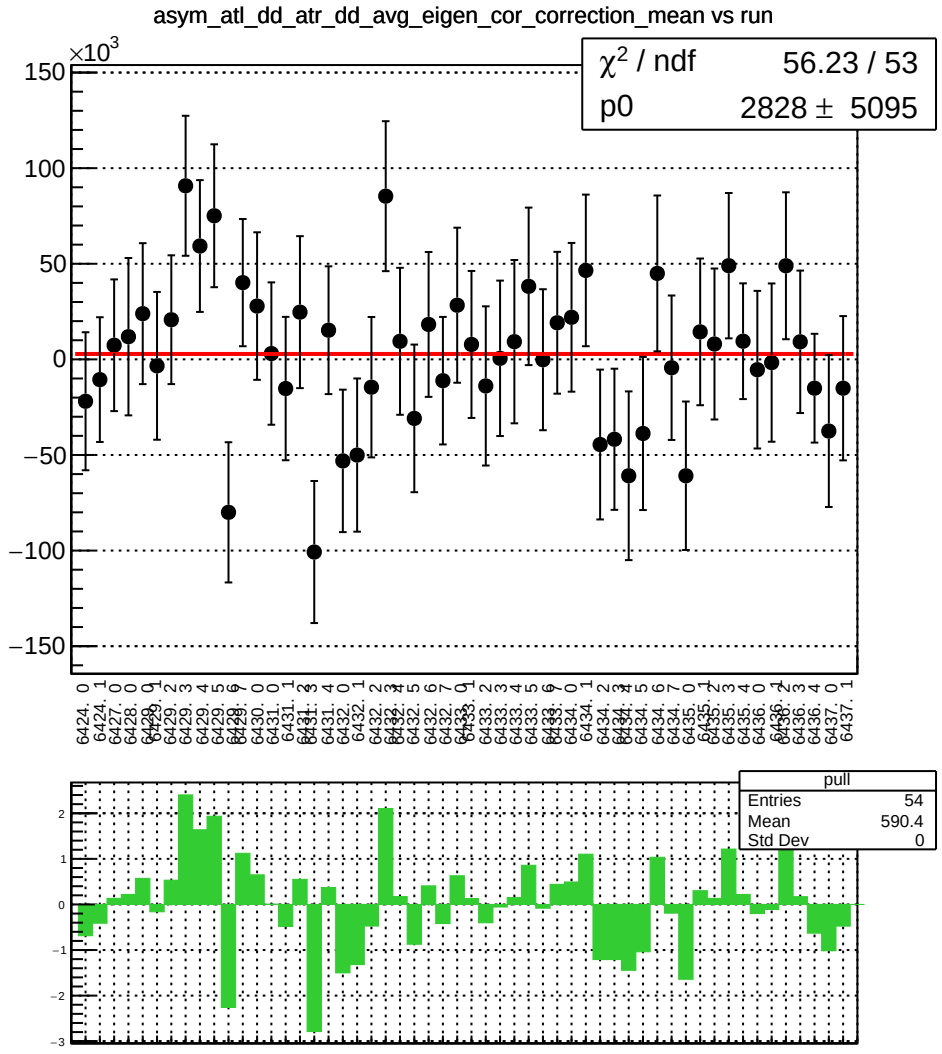

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02

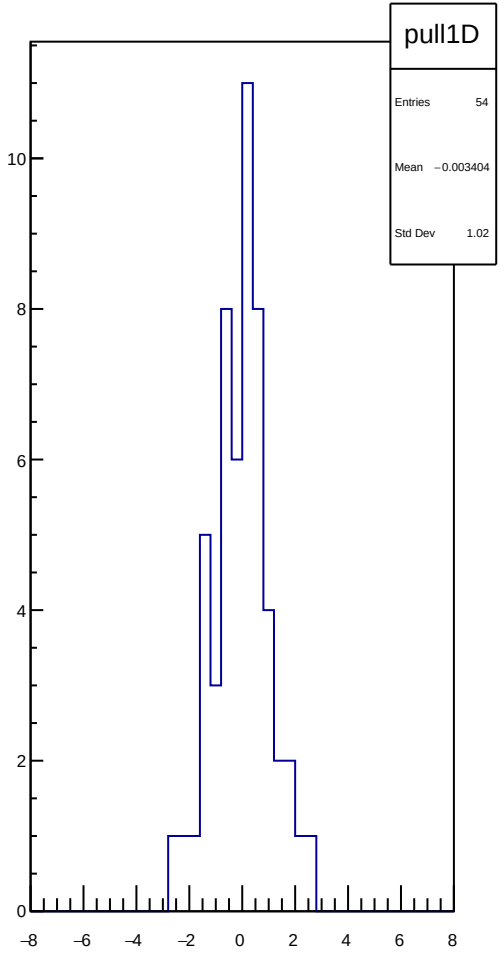

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

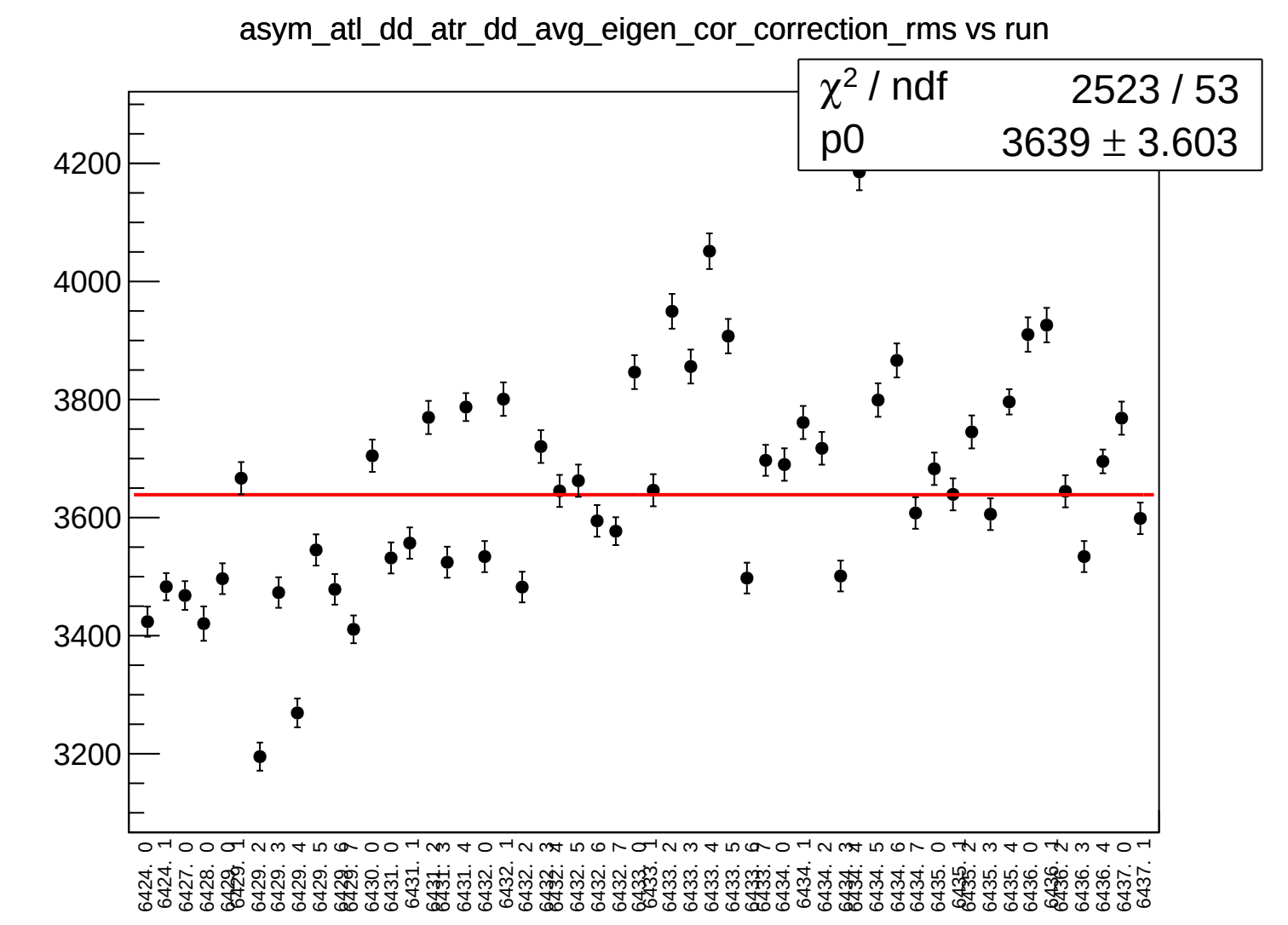

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

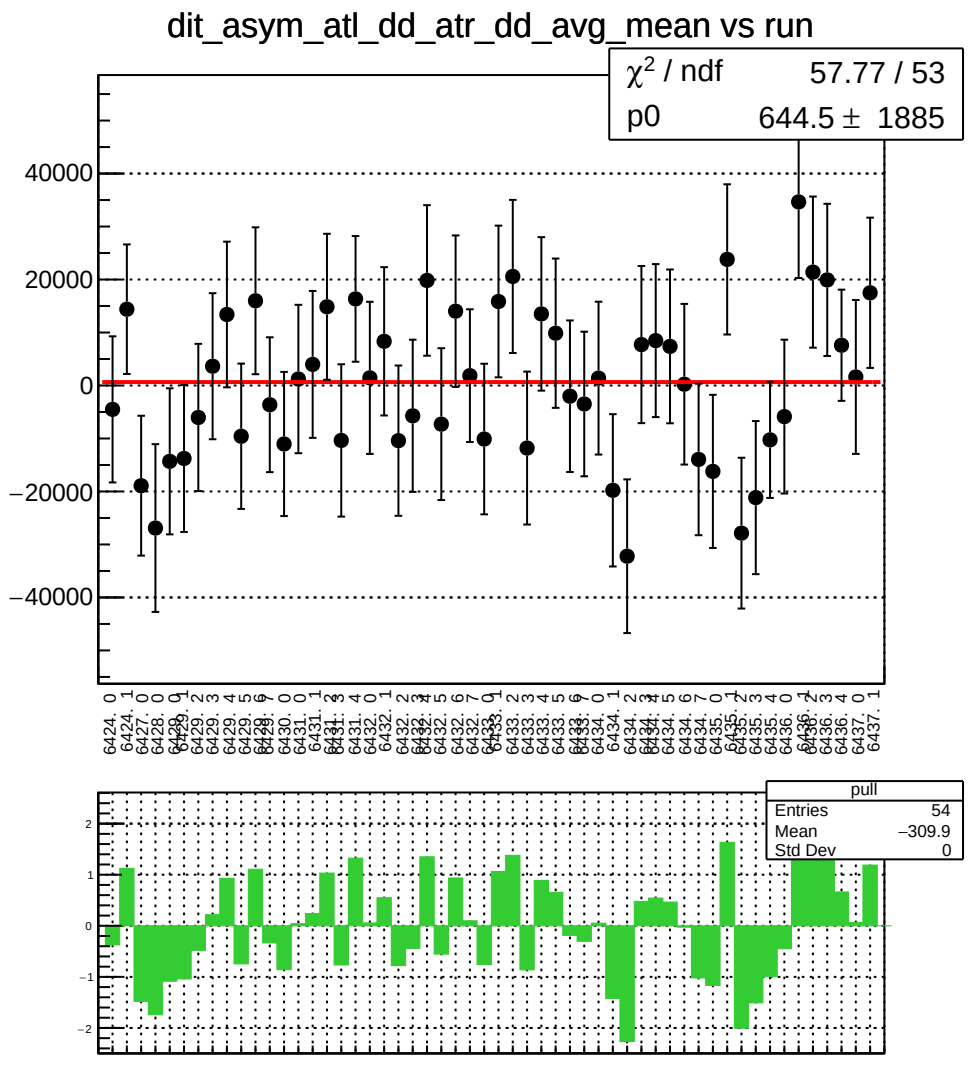

pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

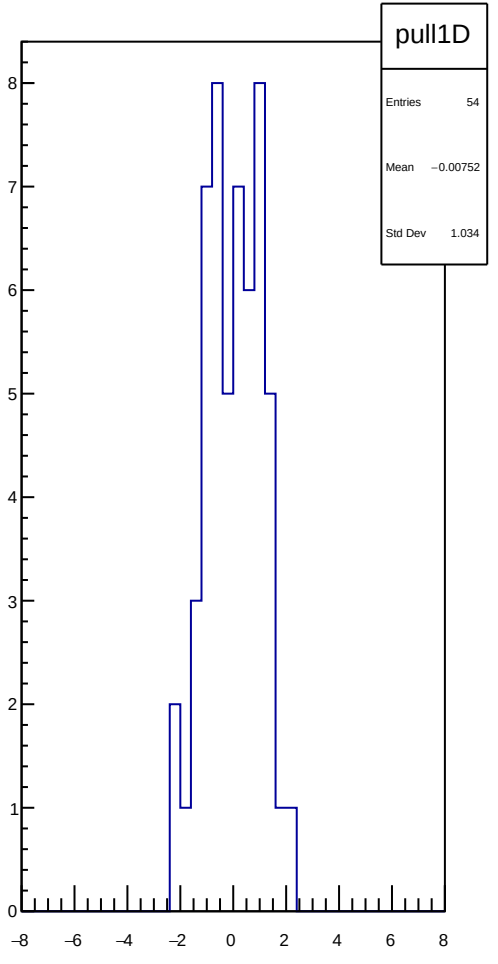

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

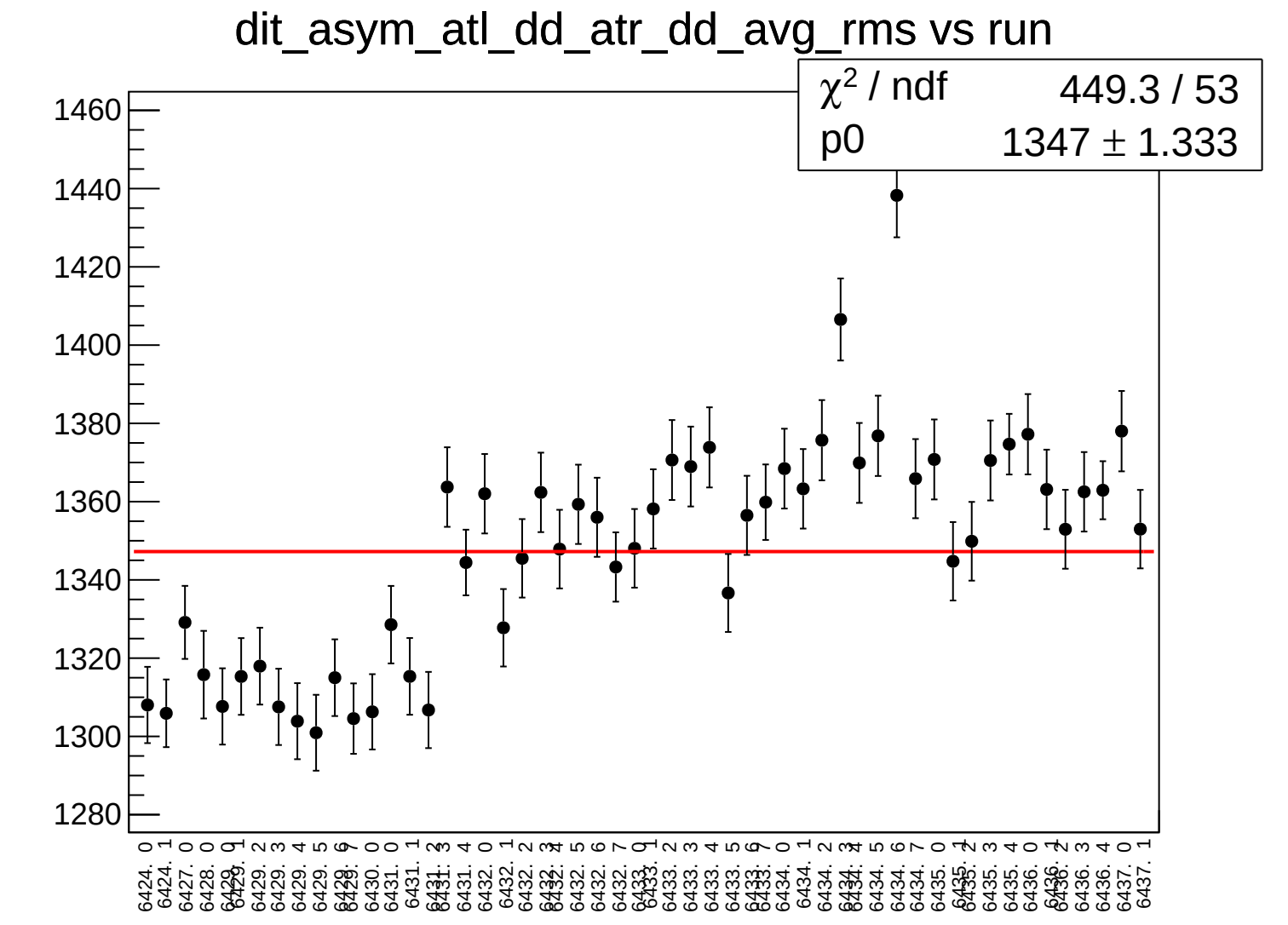

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.4
Std Dev 0

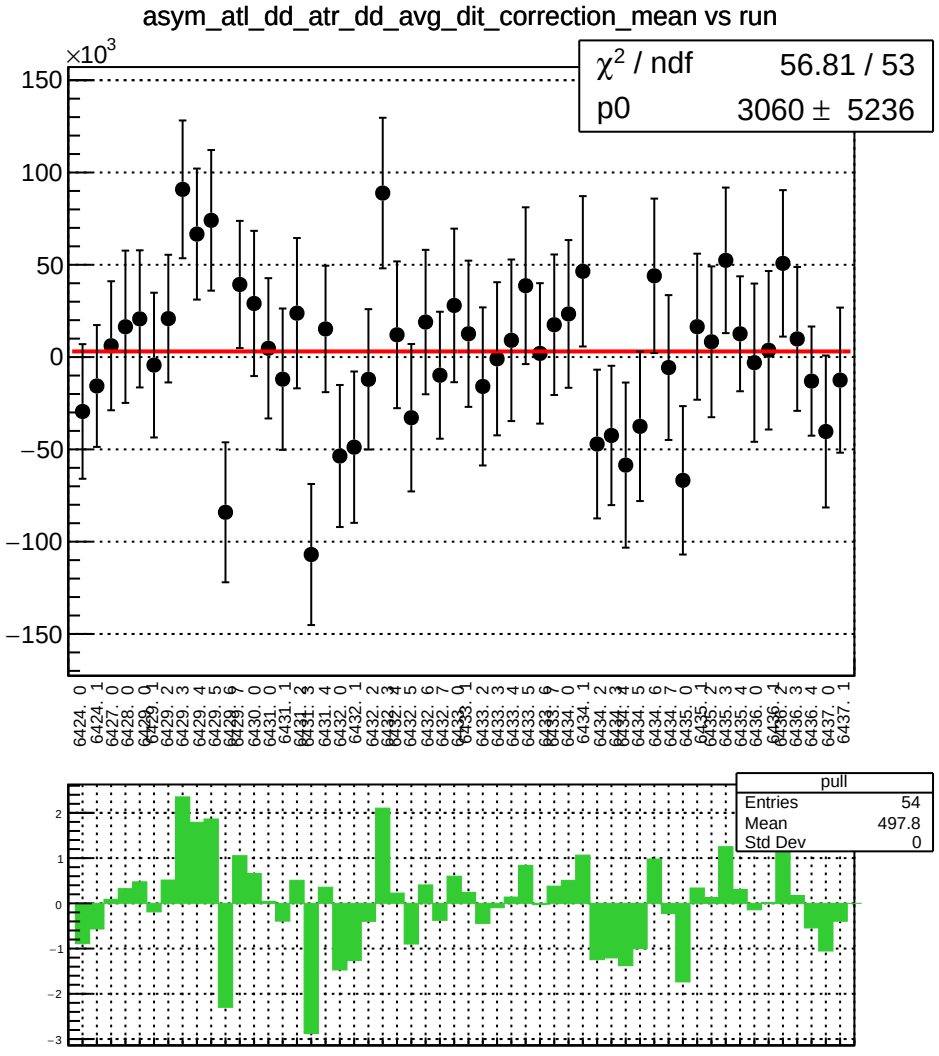

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02

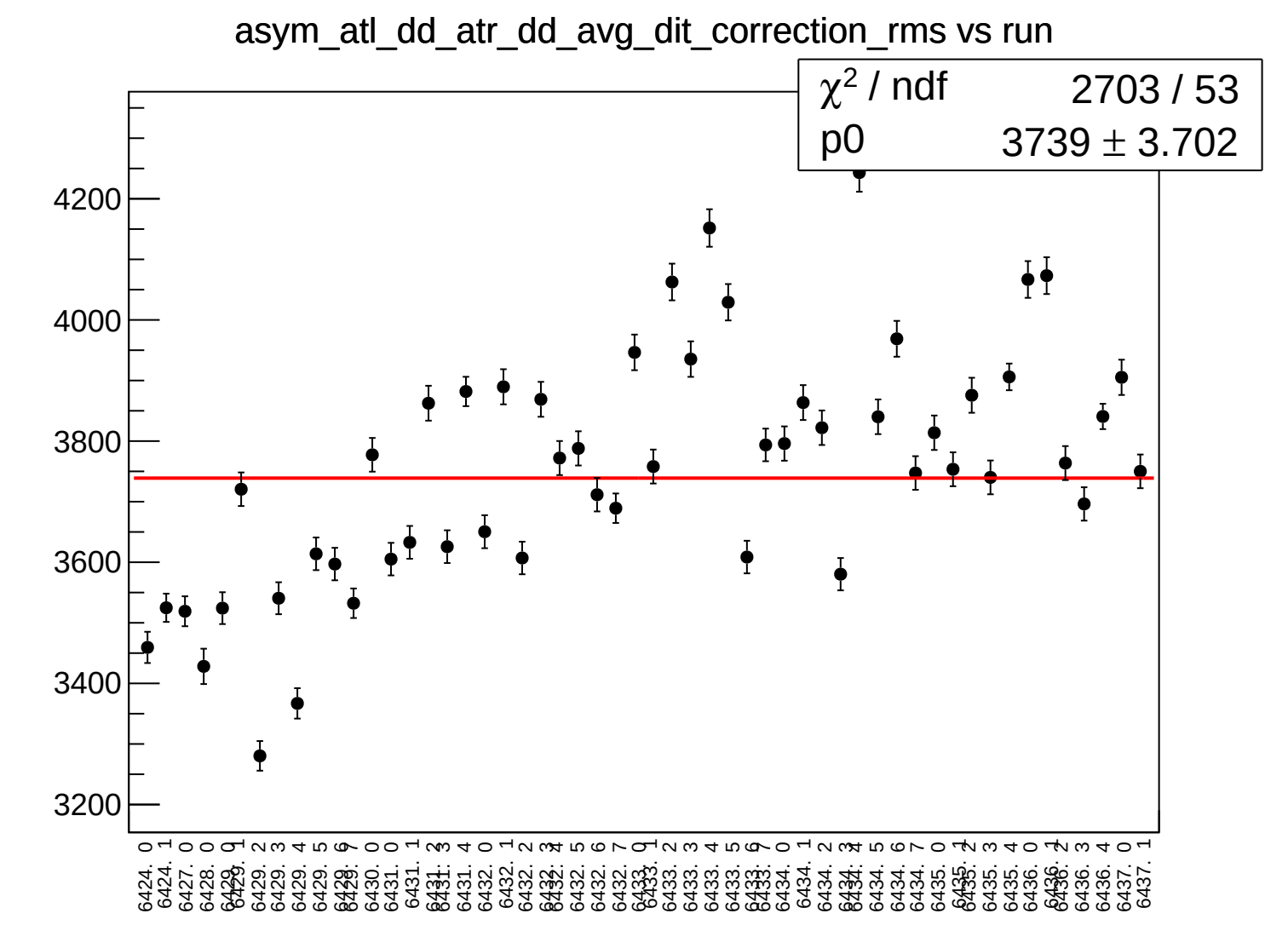

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

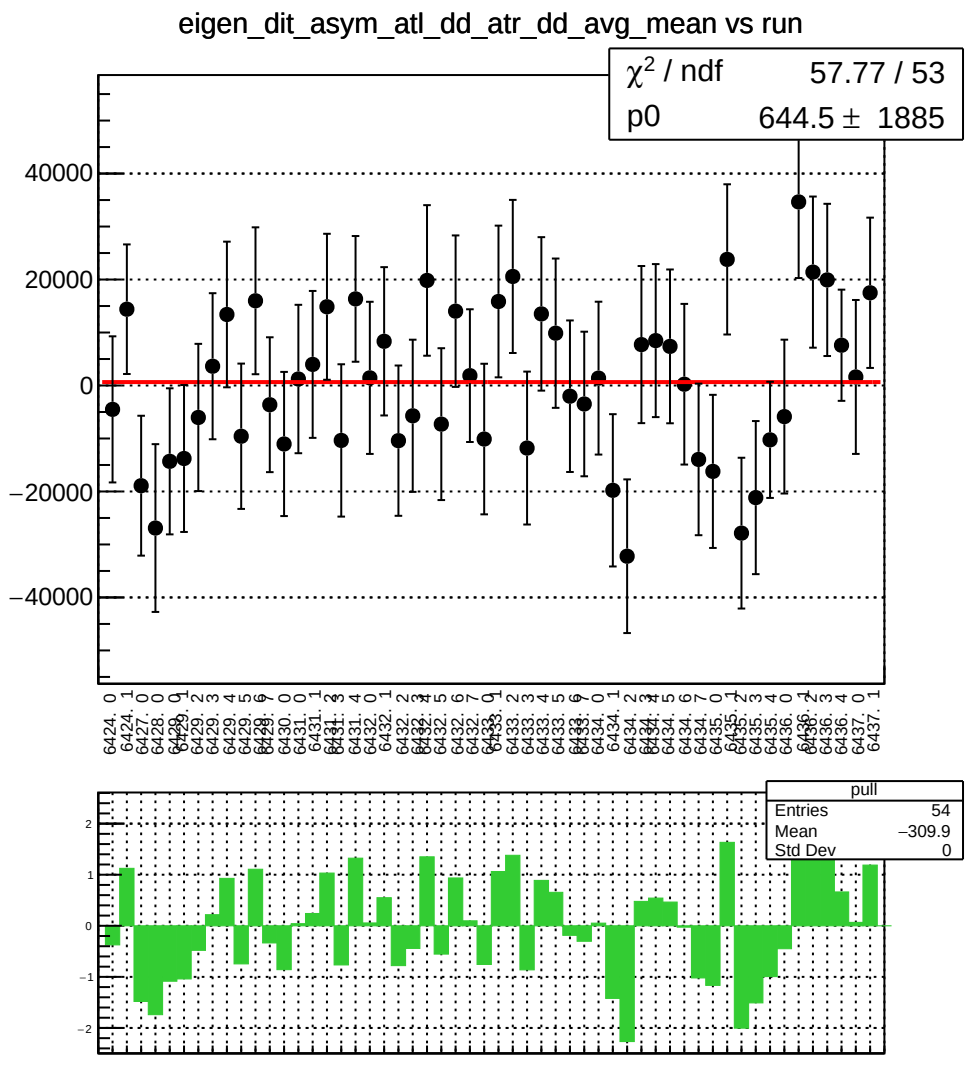

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
2
1
0
−1
−2

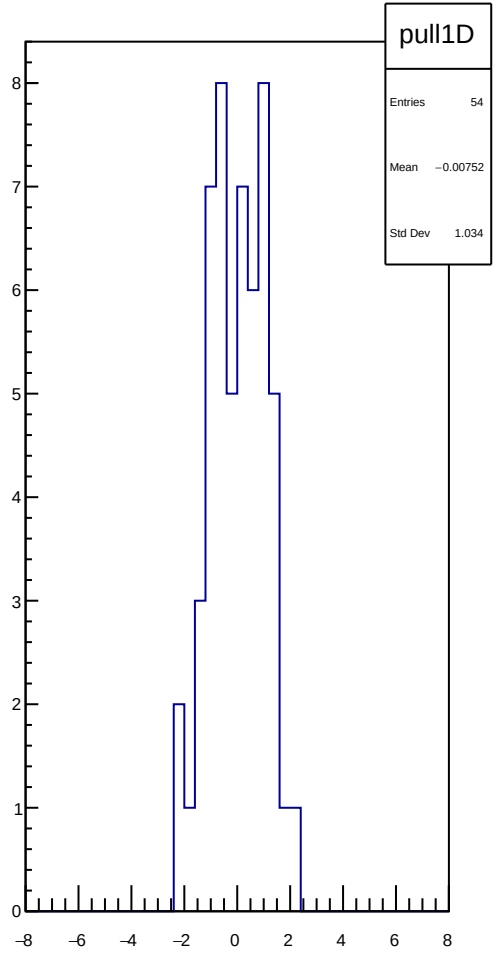

pull1D
Entries 54
Mean −0.00752
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

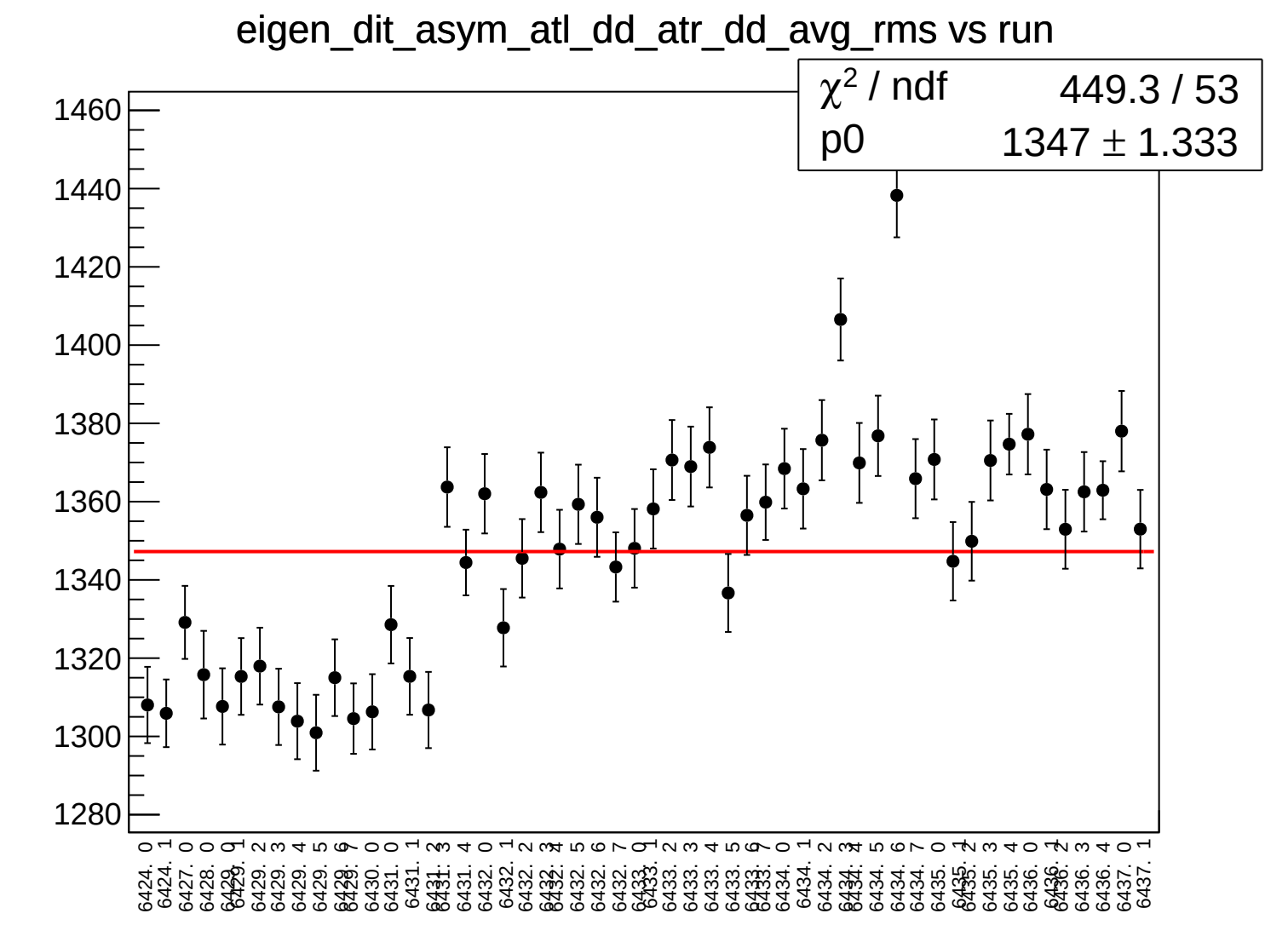

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

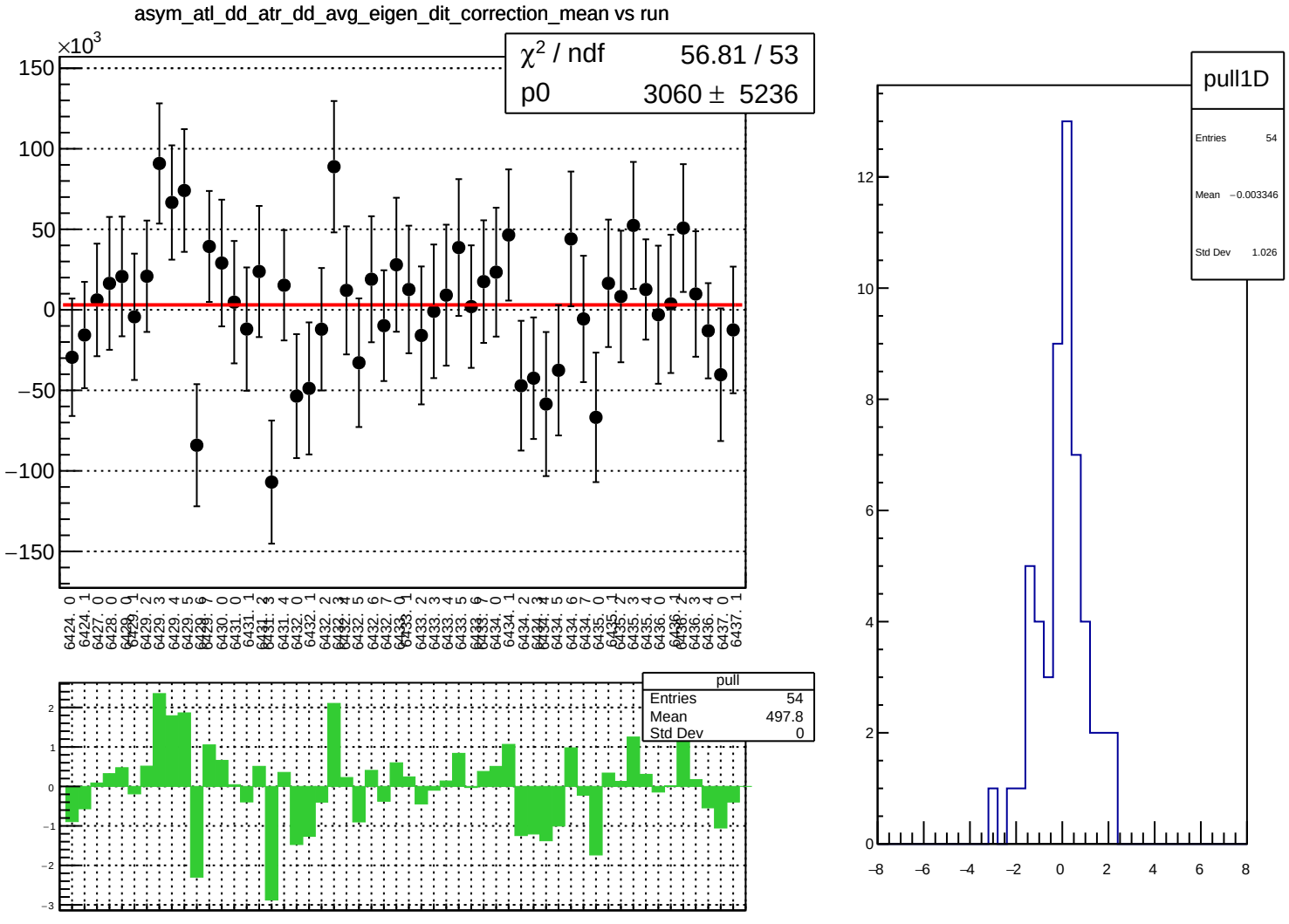

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0
pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

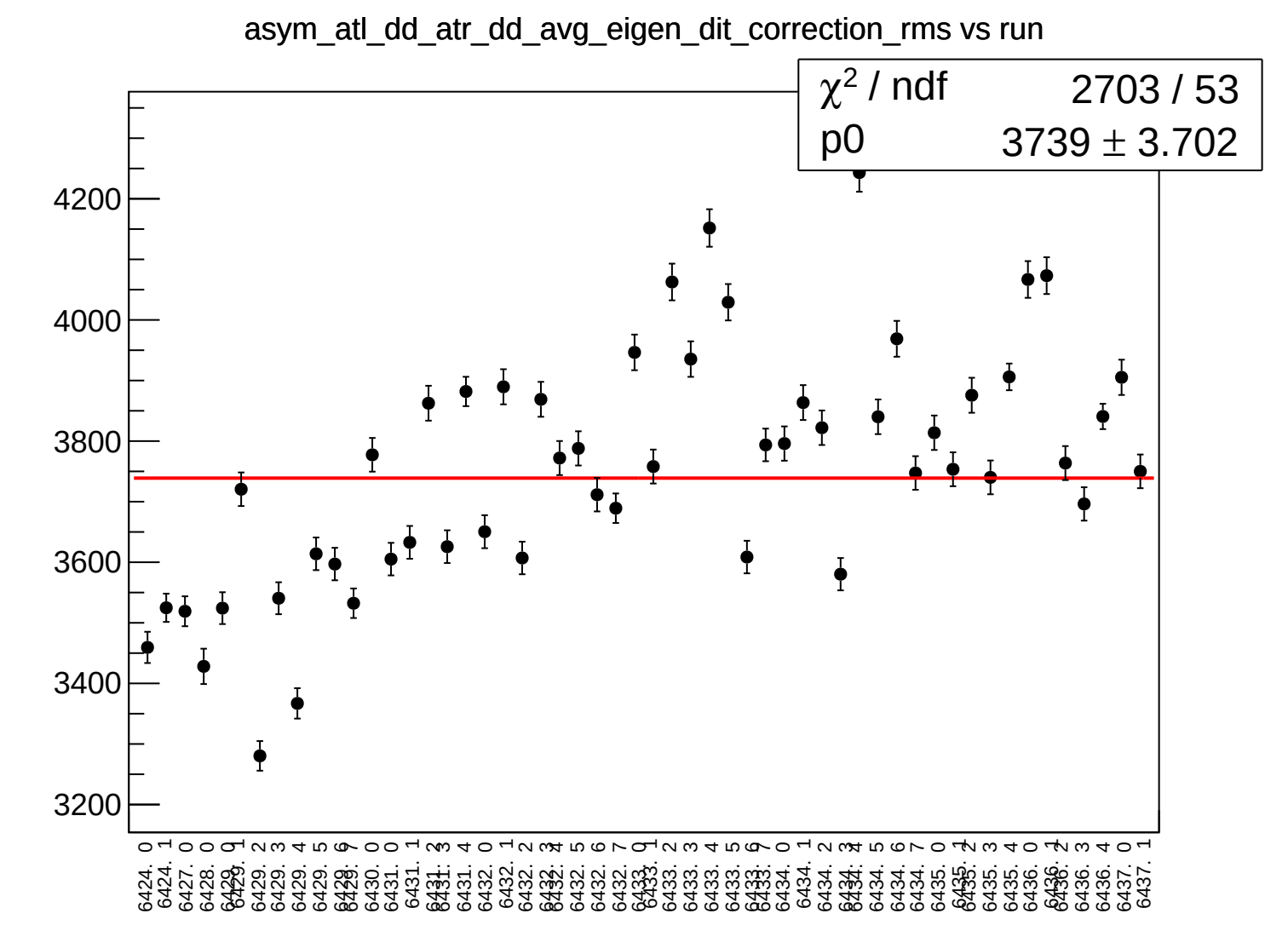

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

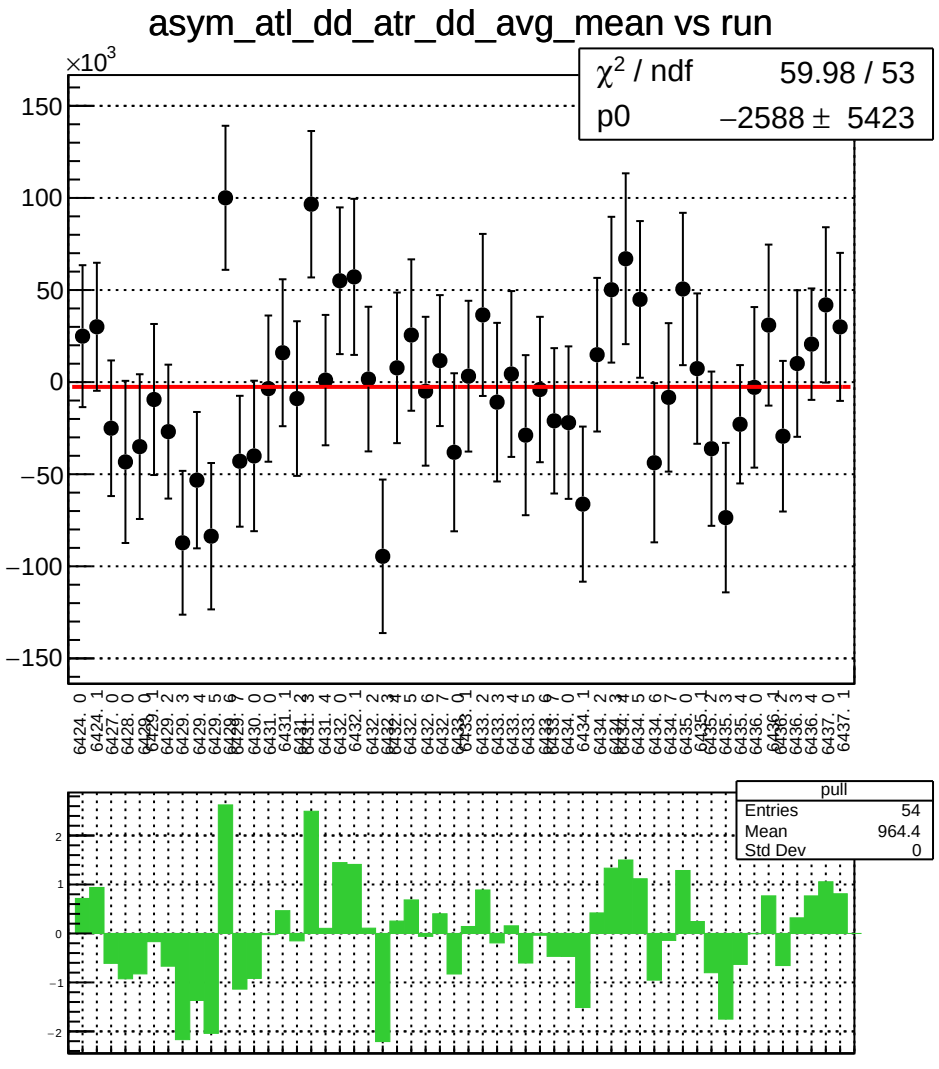

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
2
1
0
−1
−2

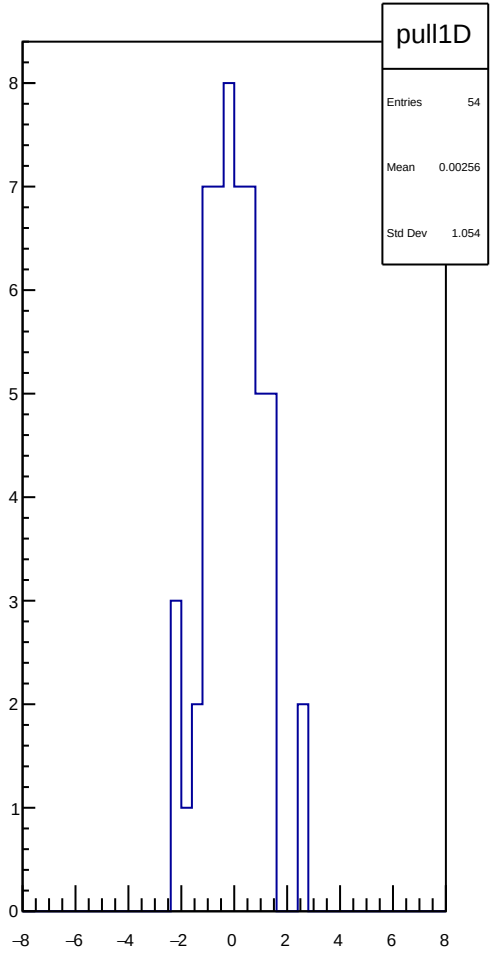

pull1D
Entries 54
Mean −0.00752
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

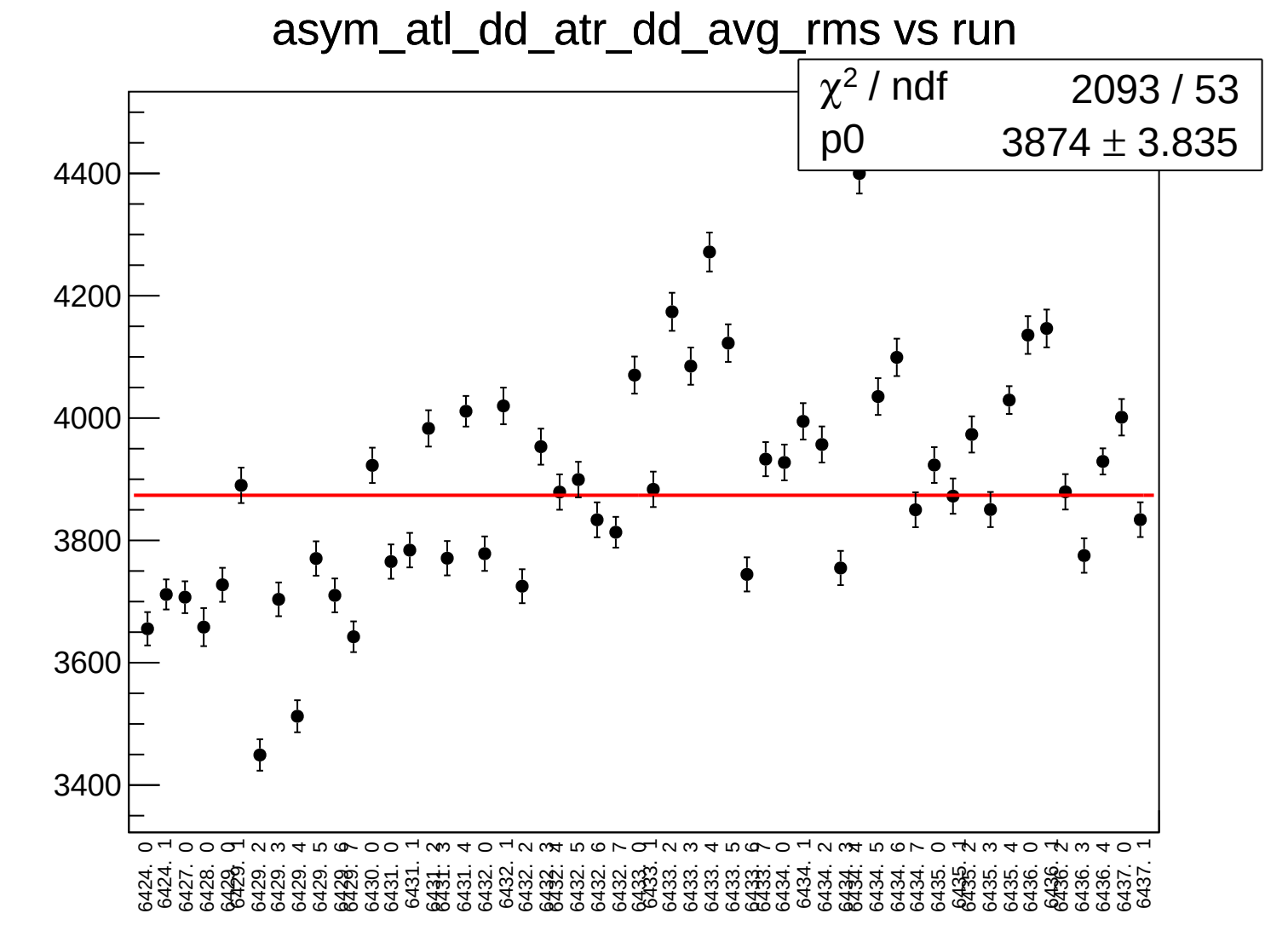

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

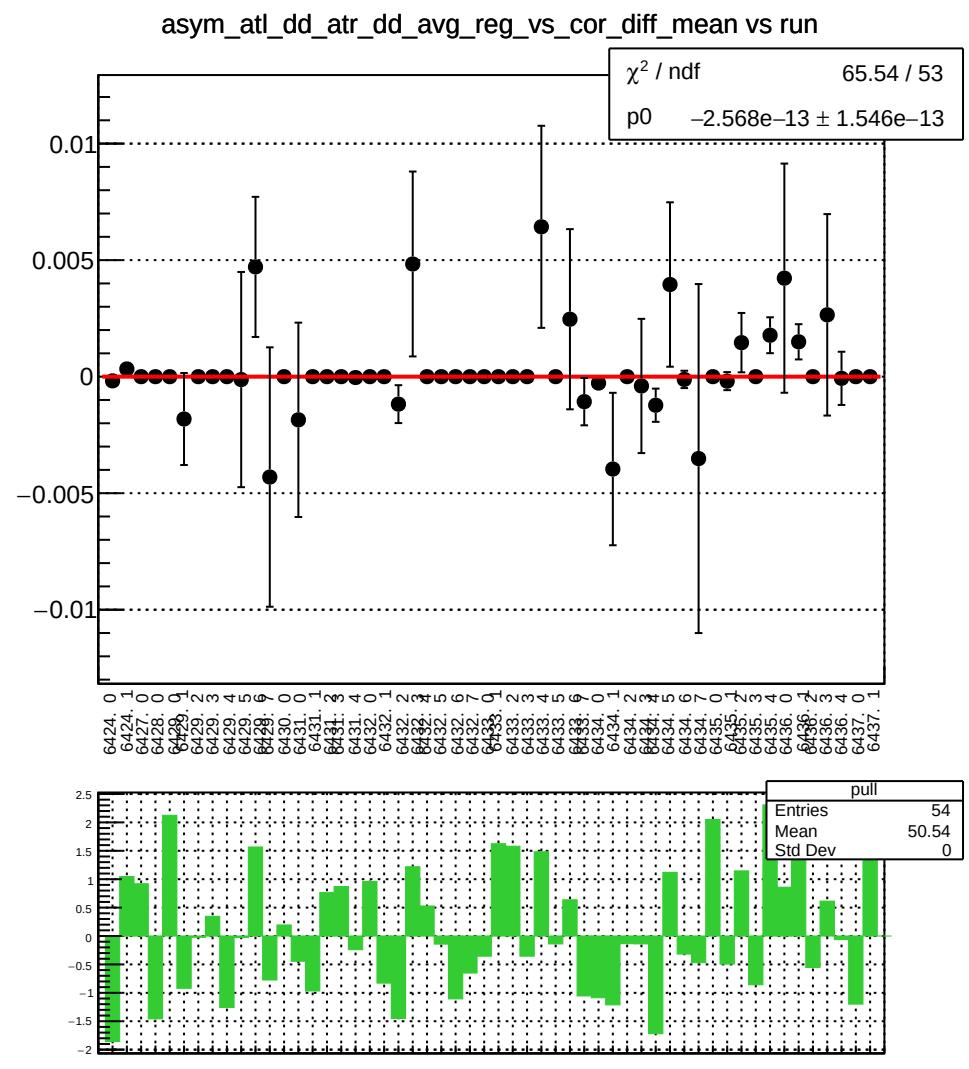

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0
pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

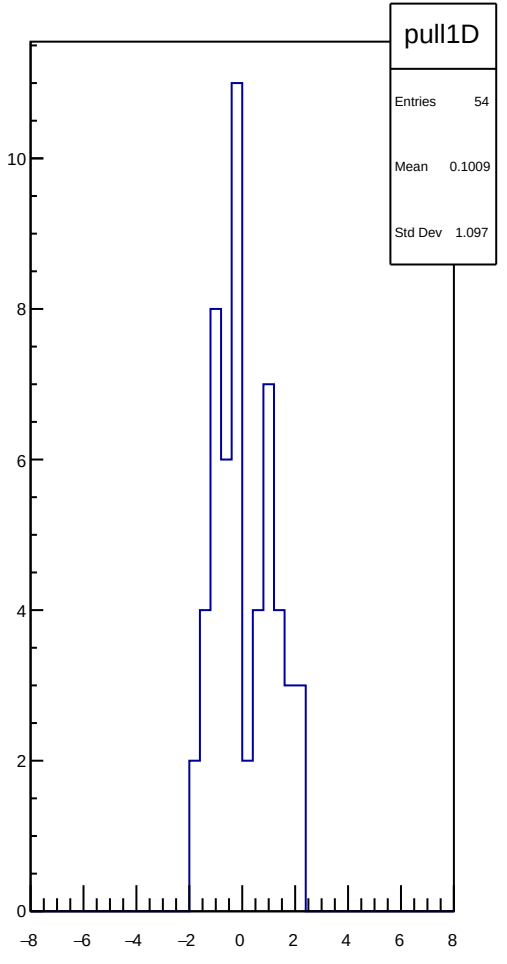

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

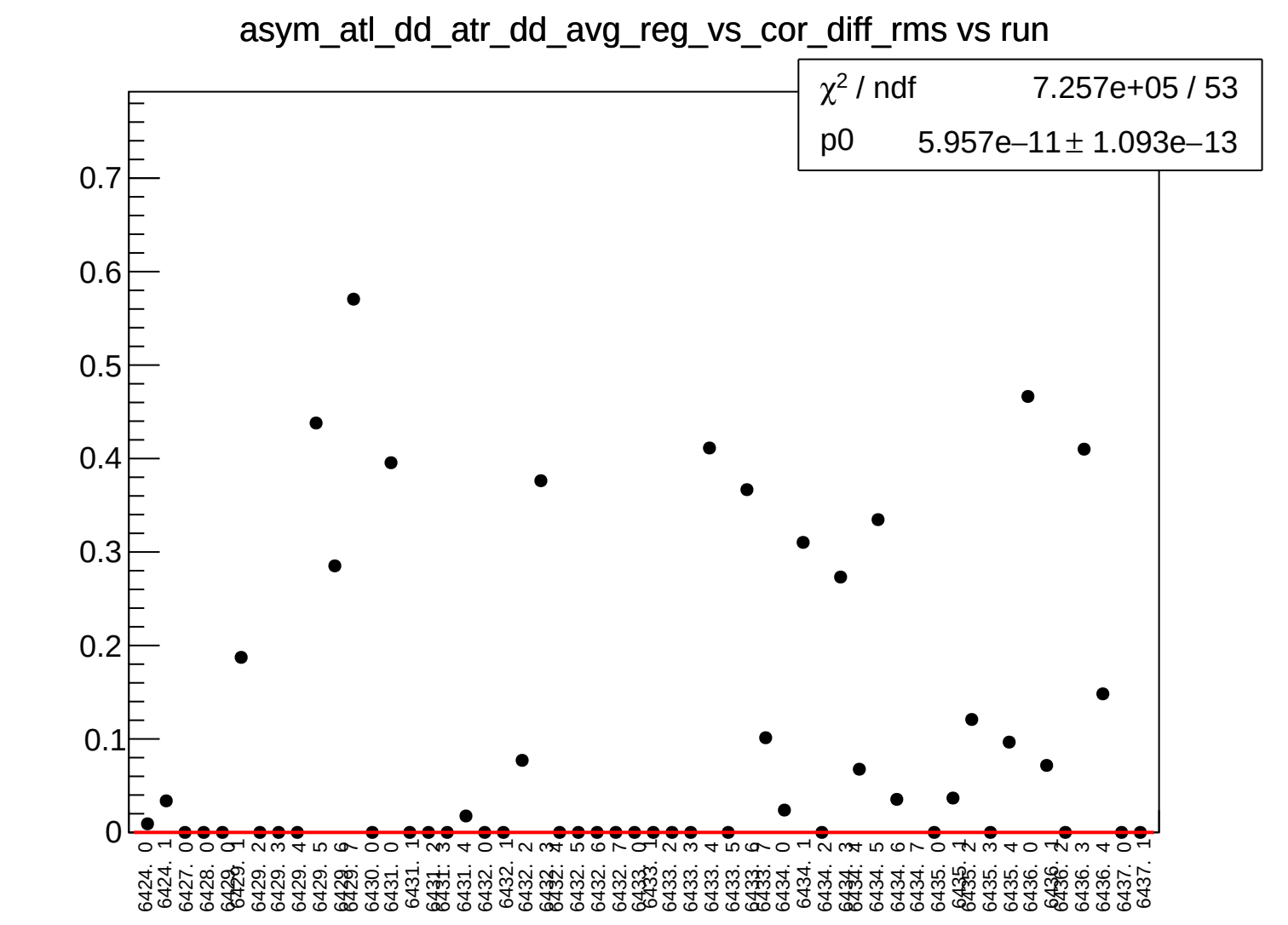

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 59.98 / 53
p0 −2588 ± 5423
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 964.4
Std Dev 0
2
1
0
−1
−2

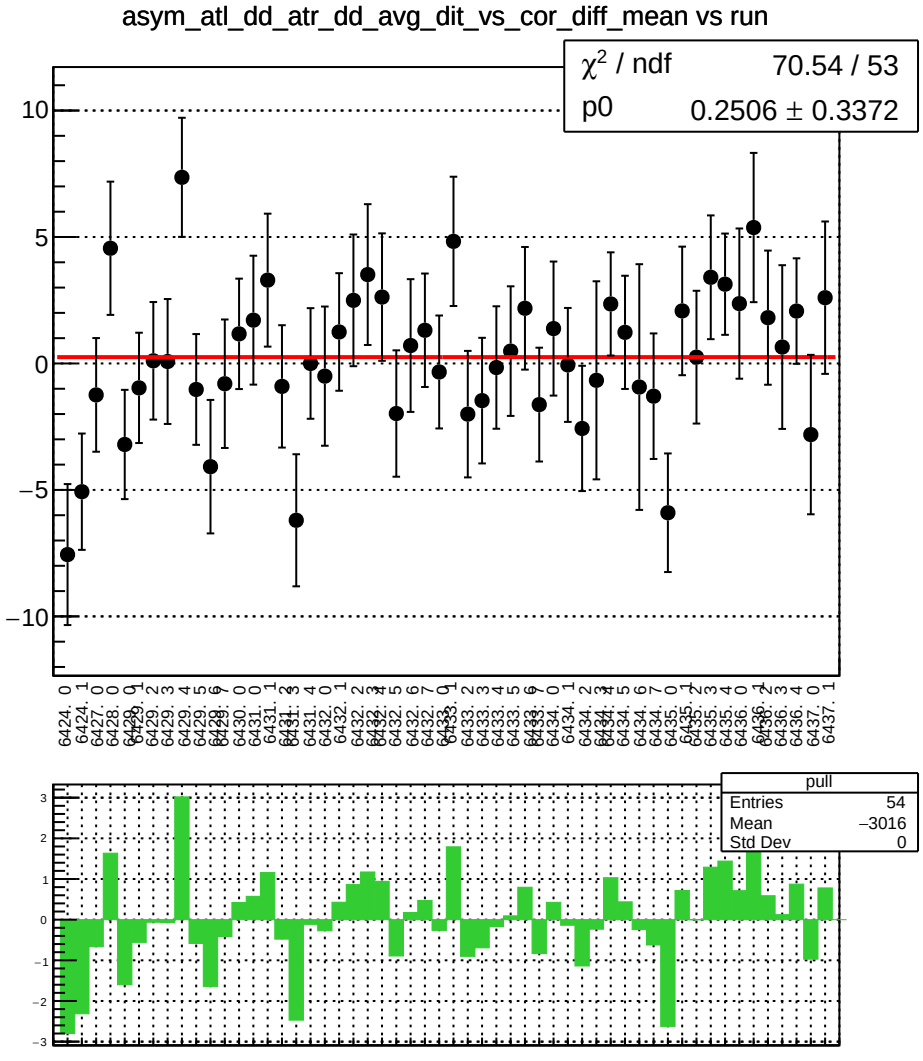

pull1D
Entries 54
Mean 0.00256
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

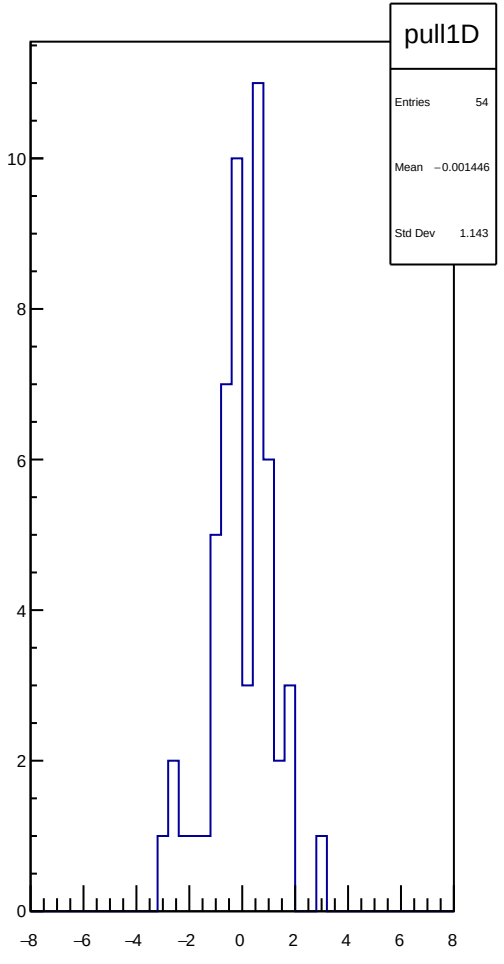

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2093 / 53
p0 3874 ± 3.835
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

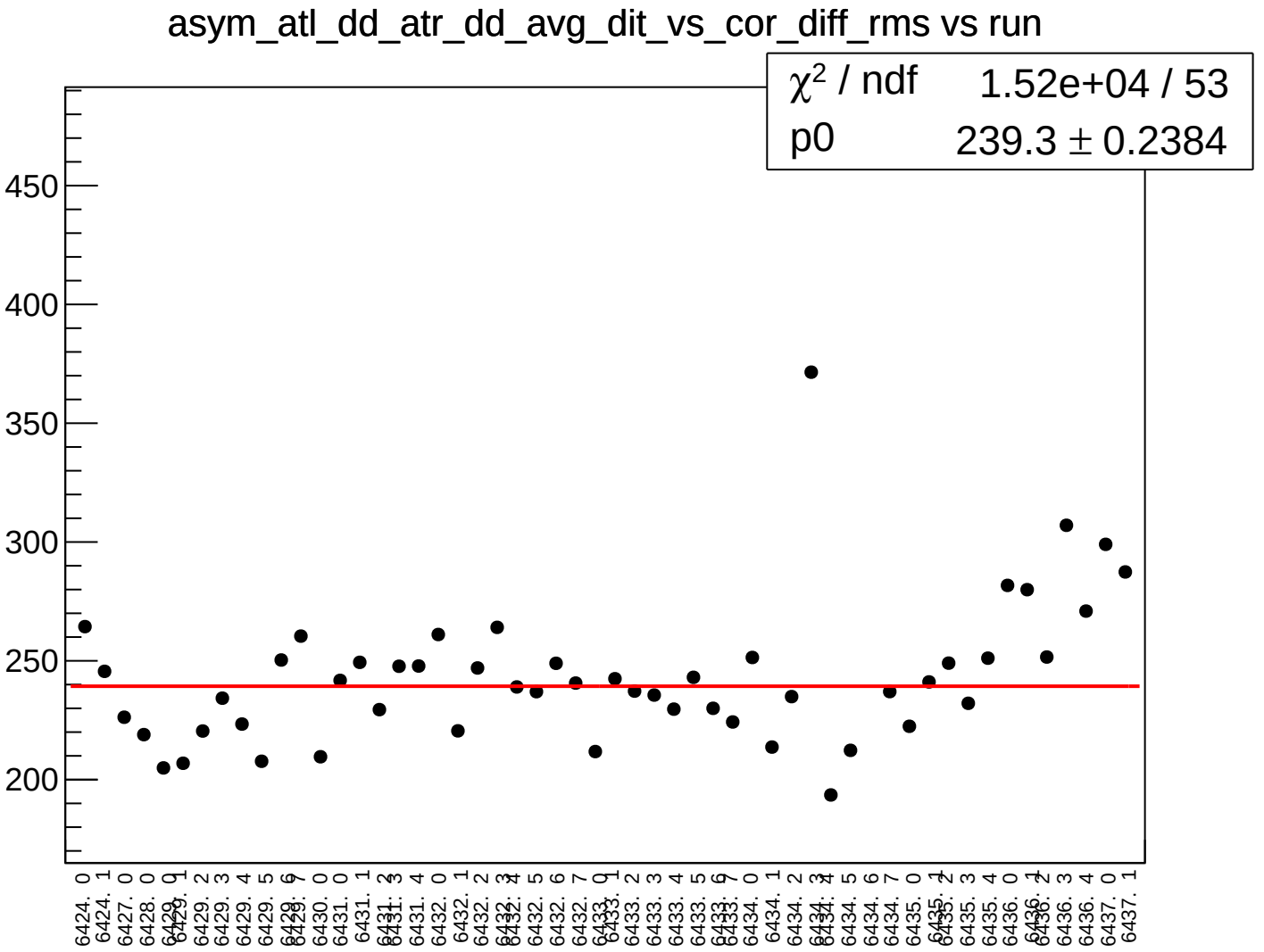

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.54 / 53
p0 −2.568e−13 ± 1.546e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 50.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

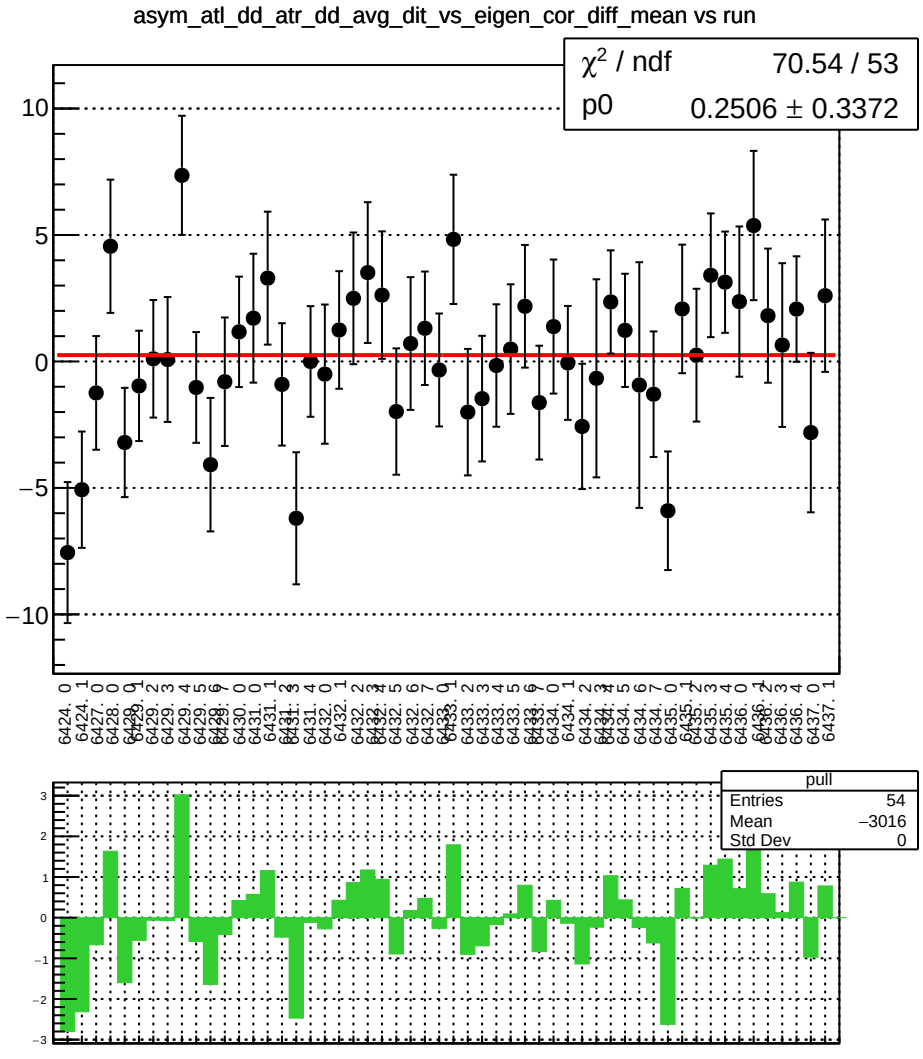

pull1D
Entries 54
Mean 0.1009
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

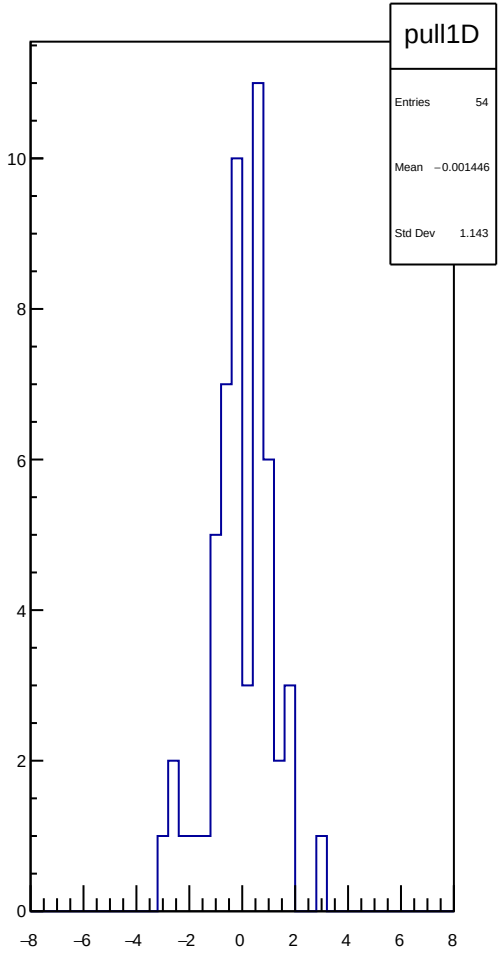

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.257e+05 / 53
p0 5.957e−11 ± 1.093e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

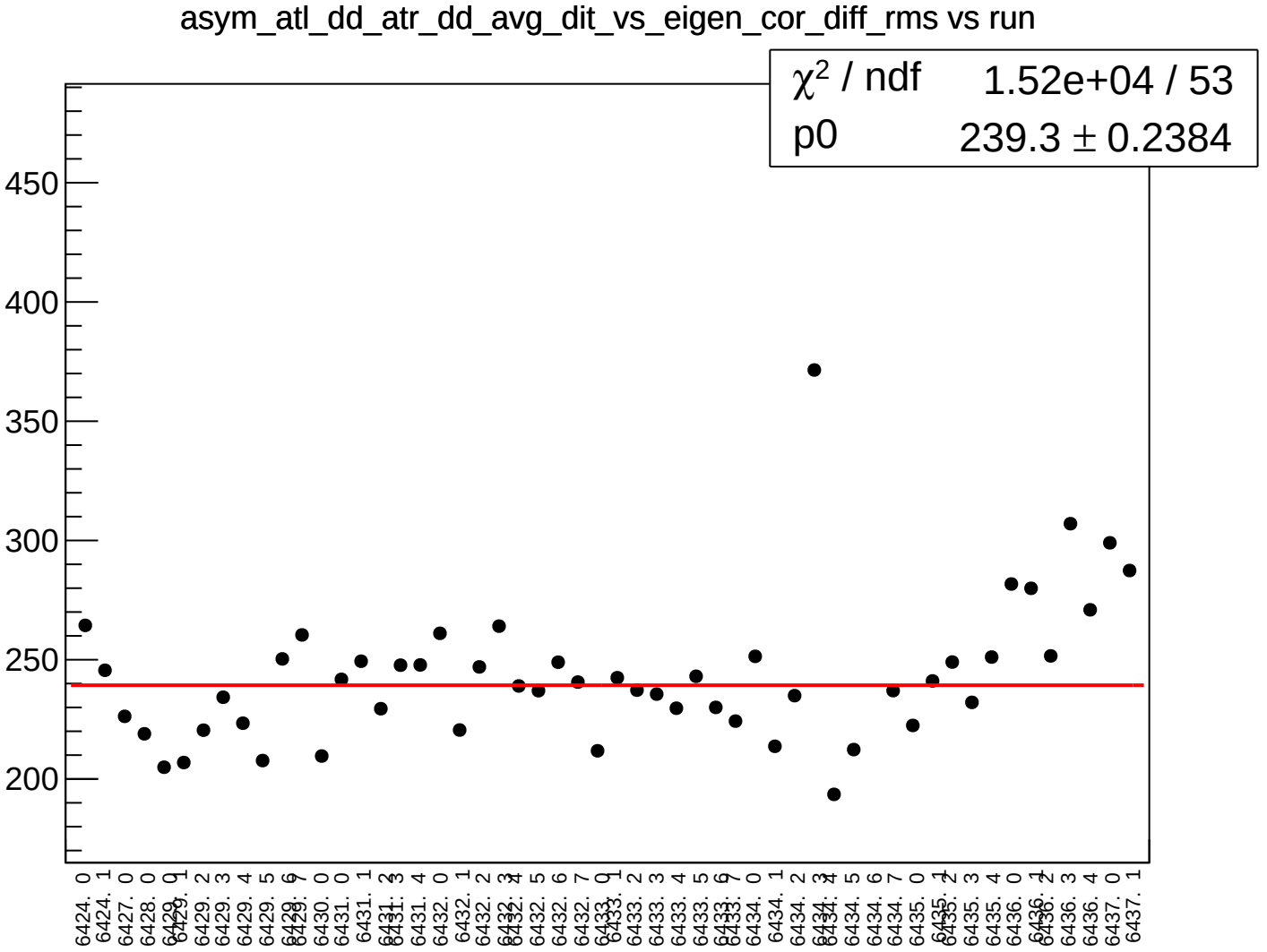

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0

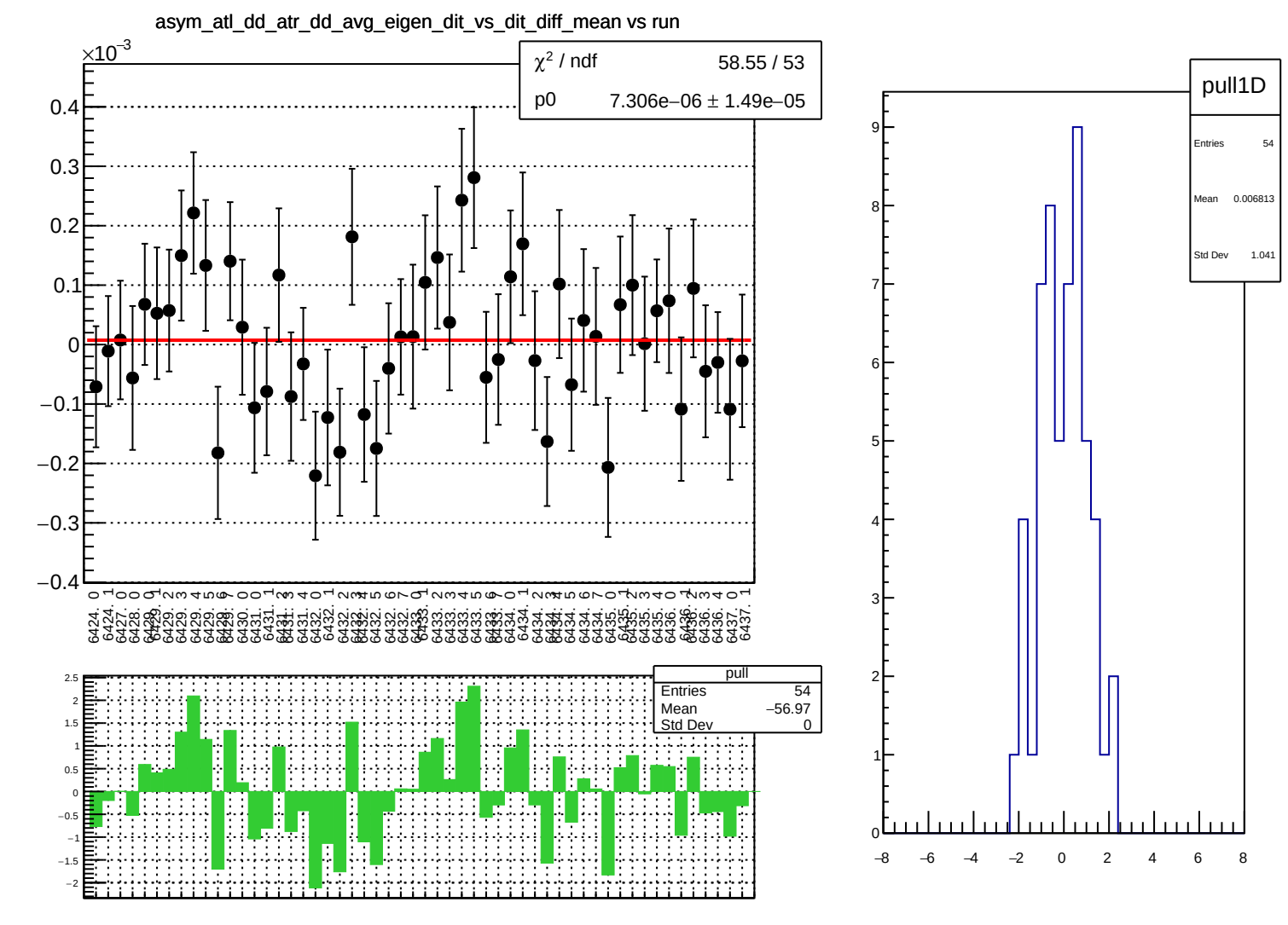

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

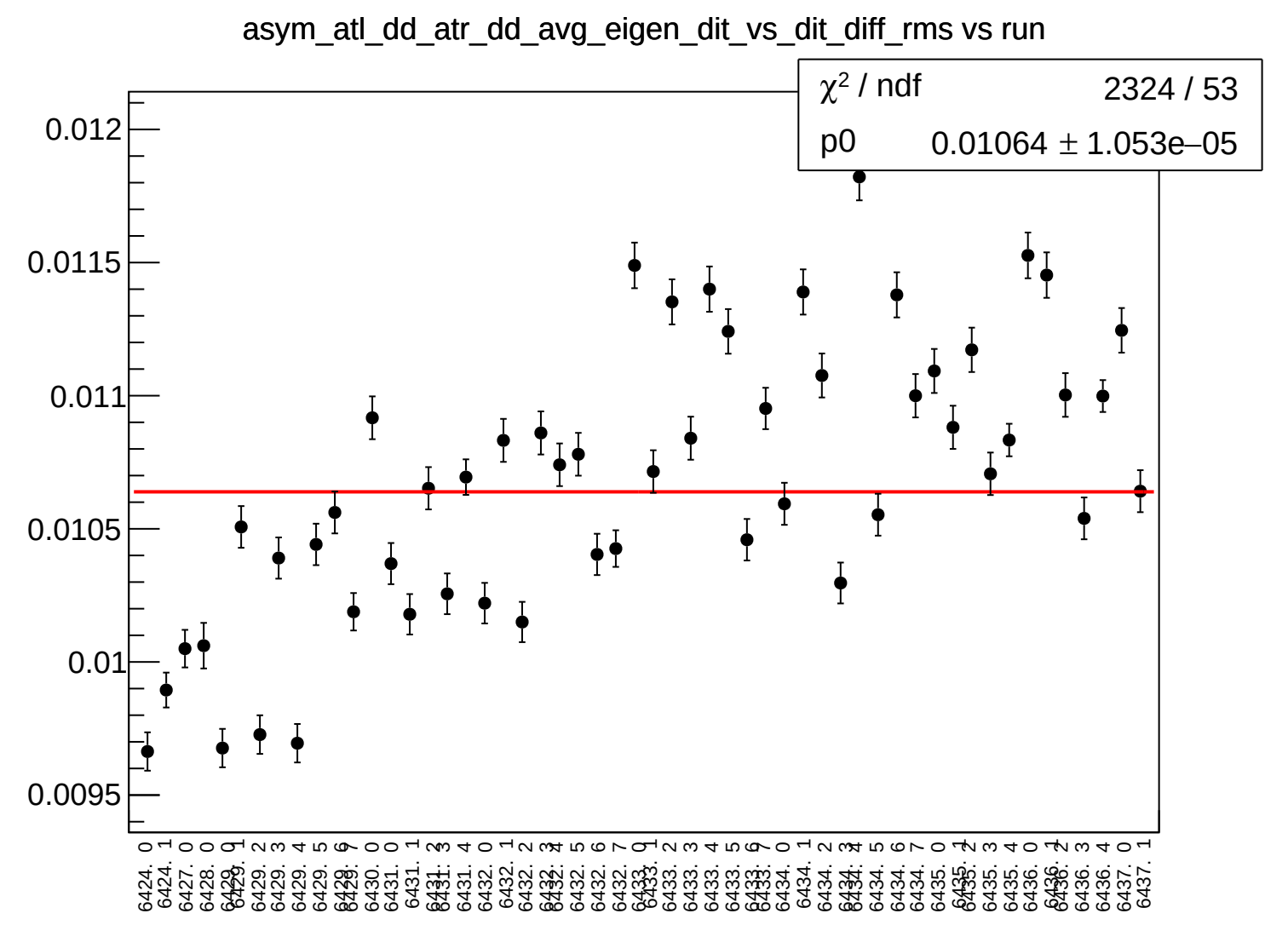

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

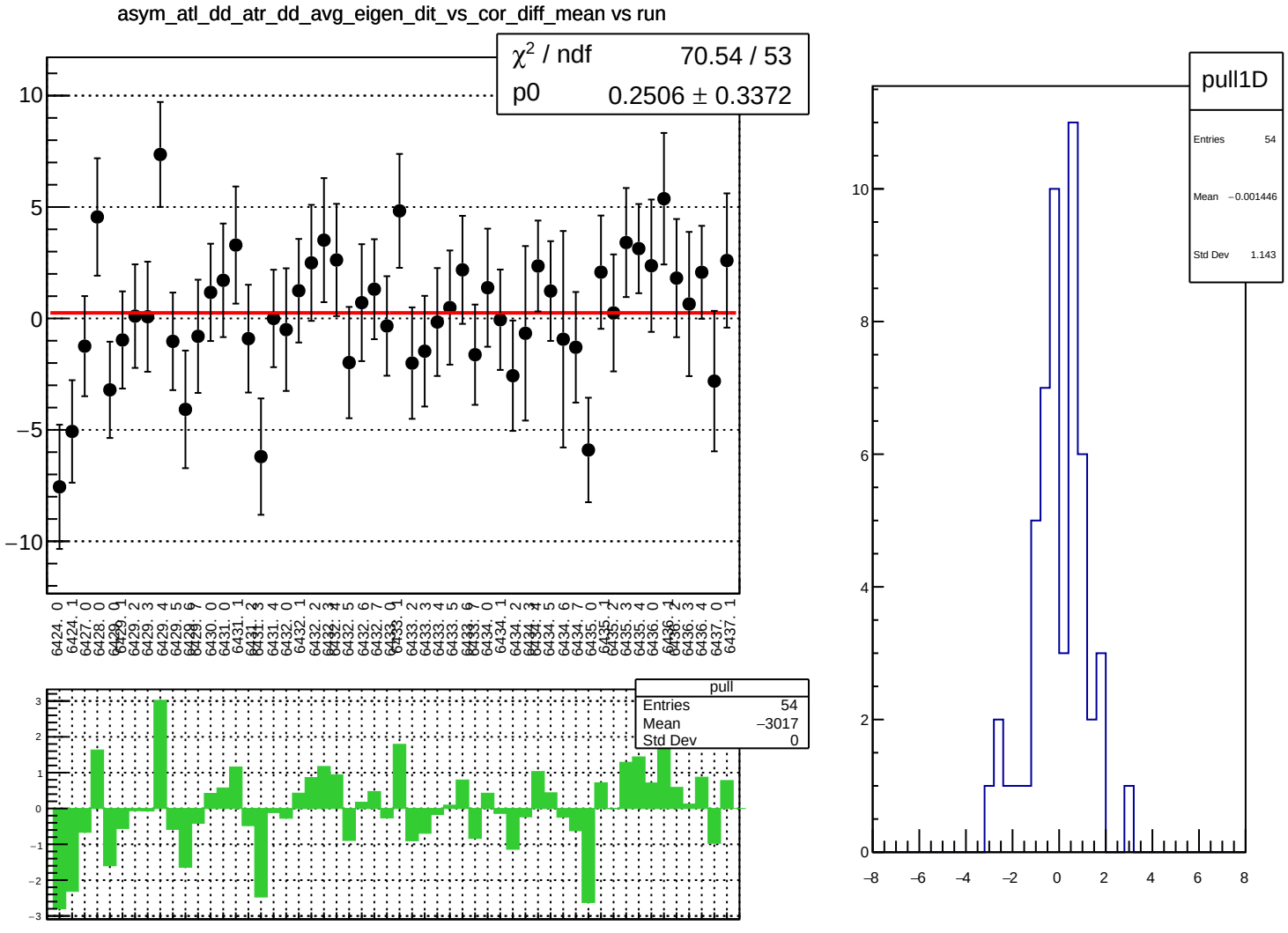

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0

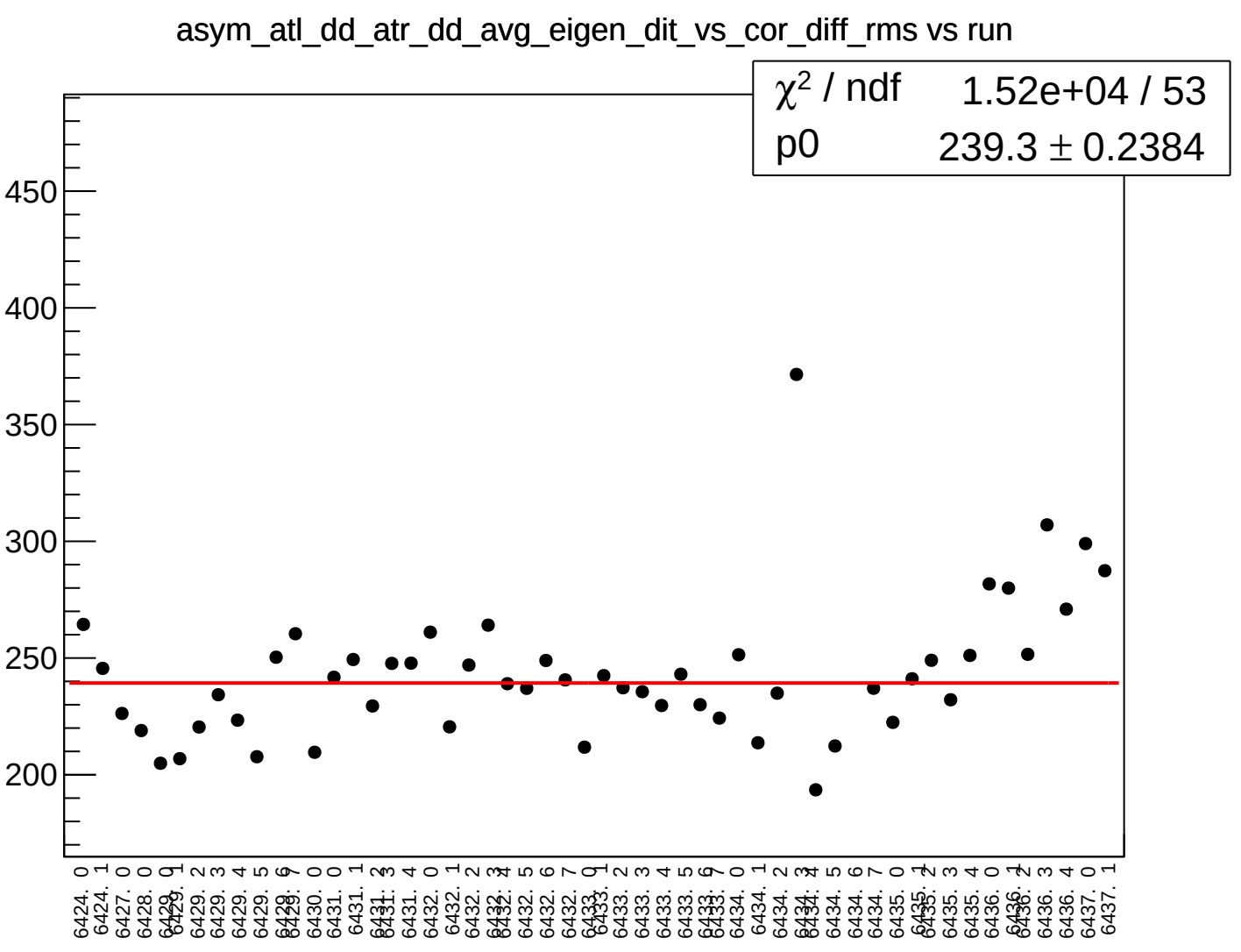

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

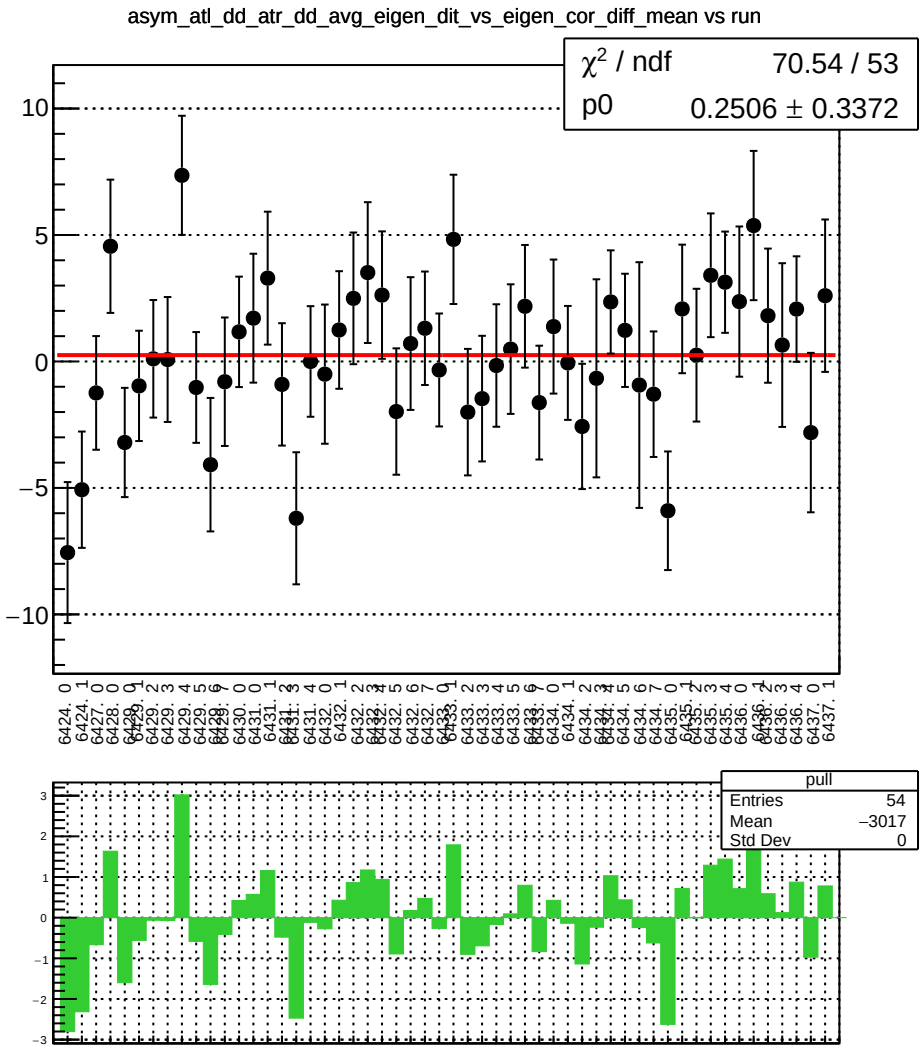

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

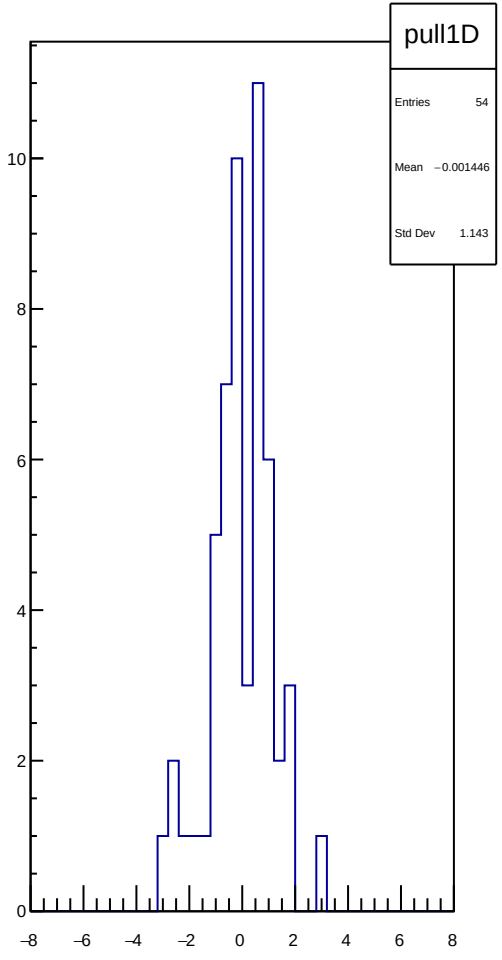

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.55 / 53
p0 7.306e−06 ± 1.49e−05
pull
Entries 54
Mean −56.97
Std Dev 0
pull1D
Entries 54
Mean 0.006813
Std Dev 1.041

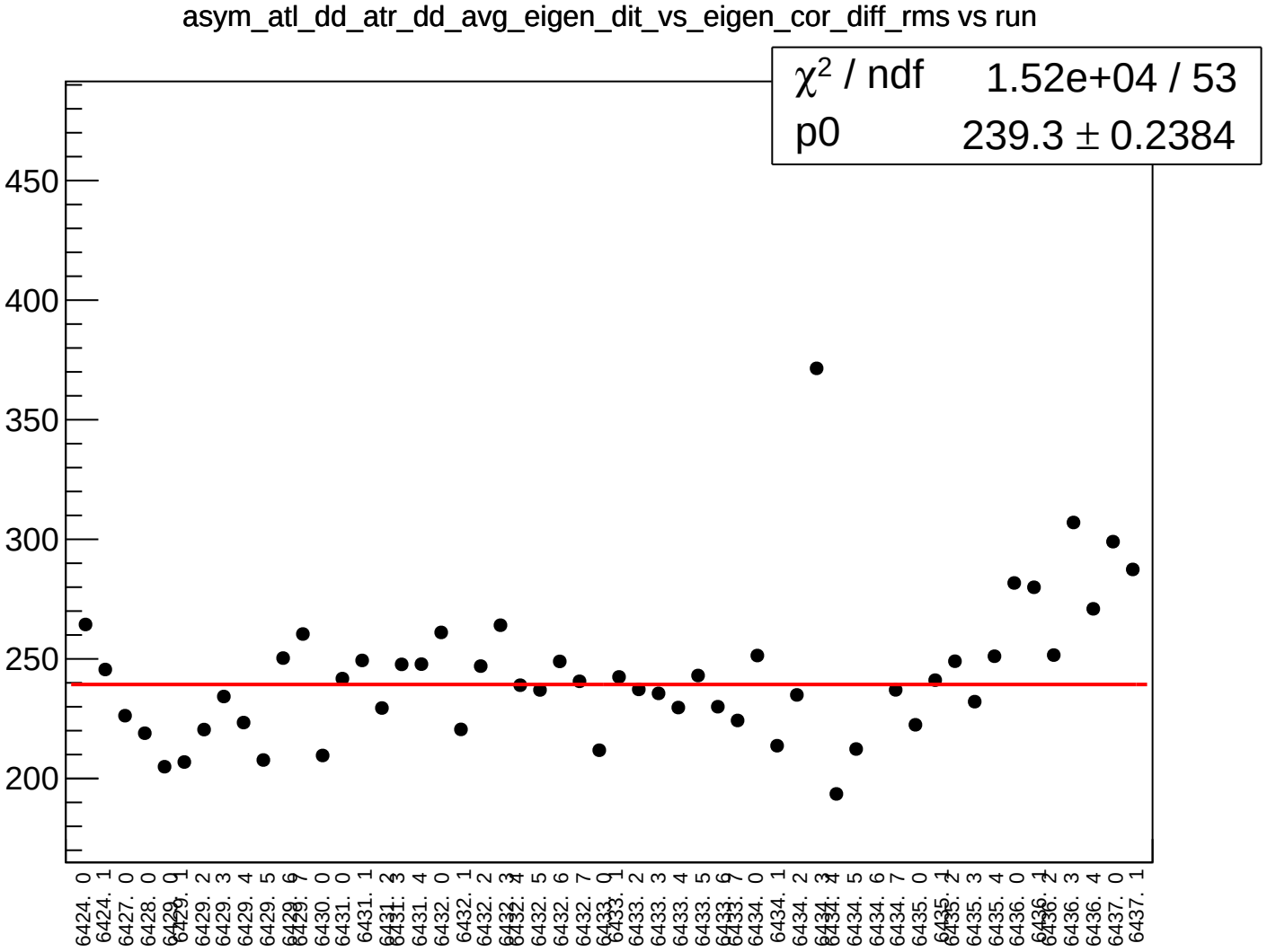

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2324 / 53
p0 0.01064 ± 1.053e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

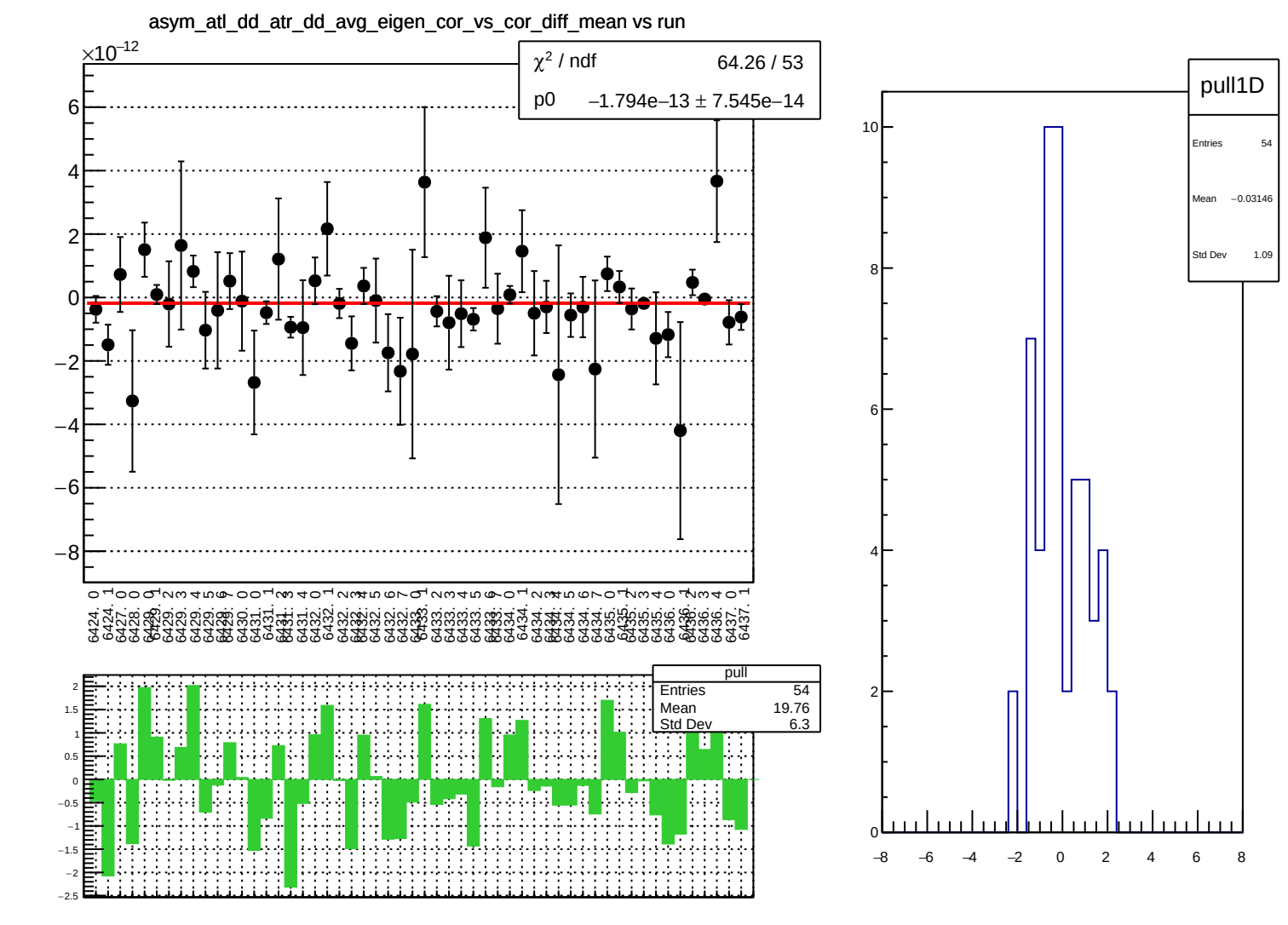

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0
pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

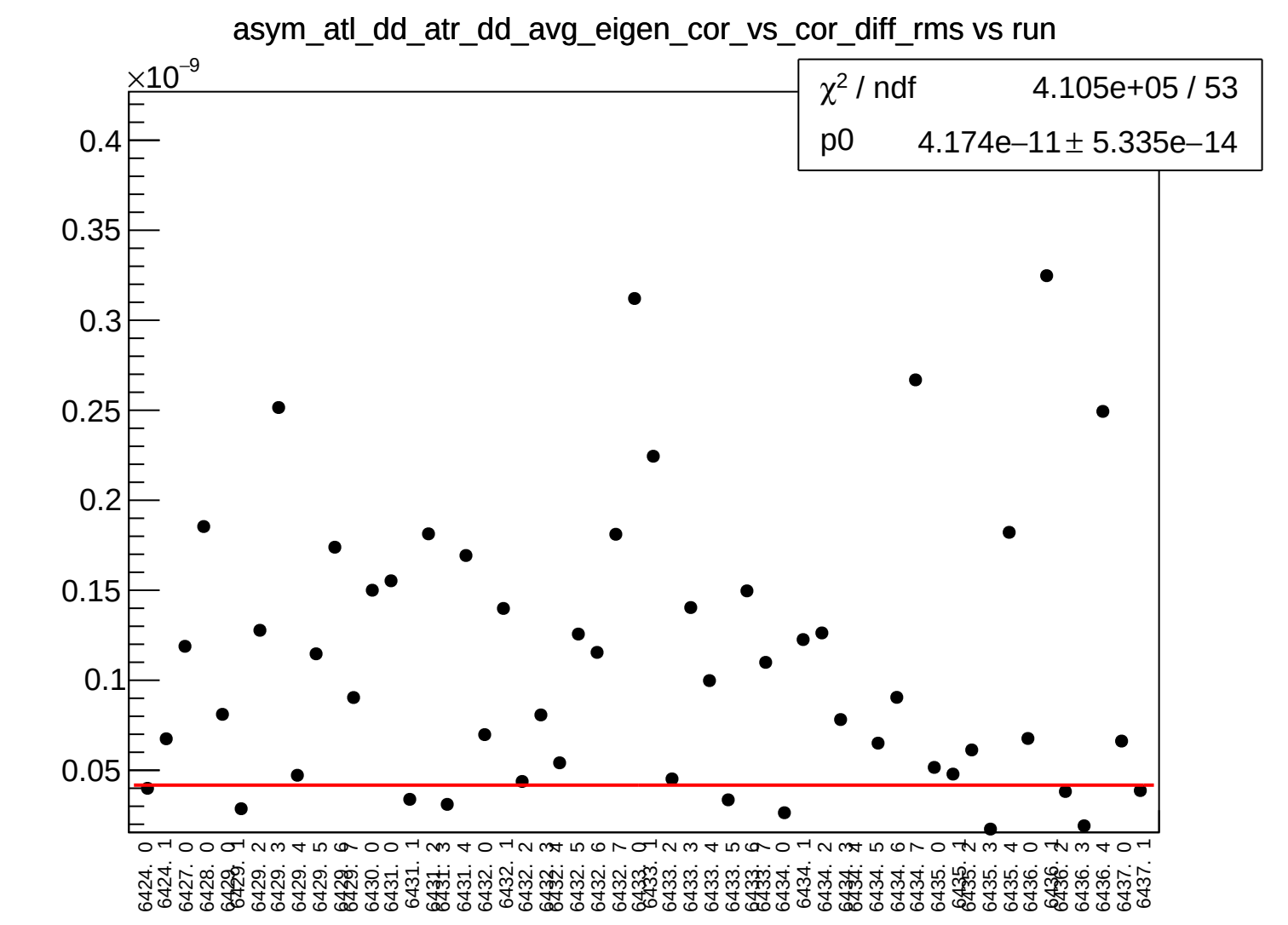

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

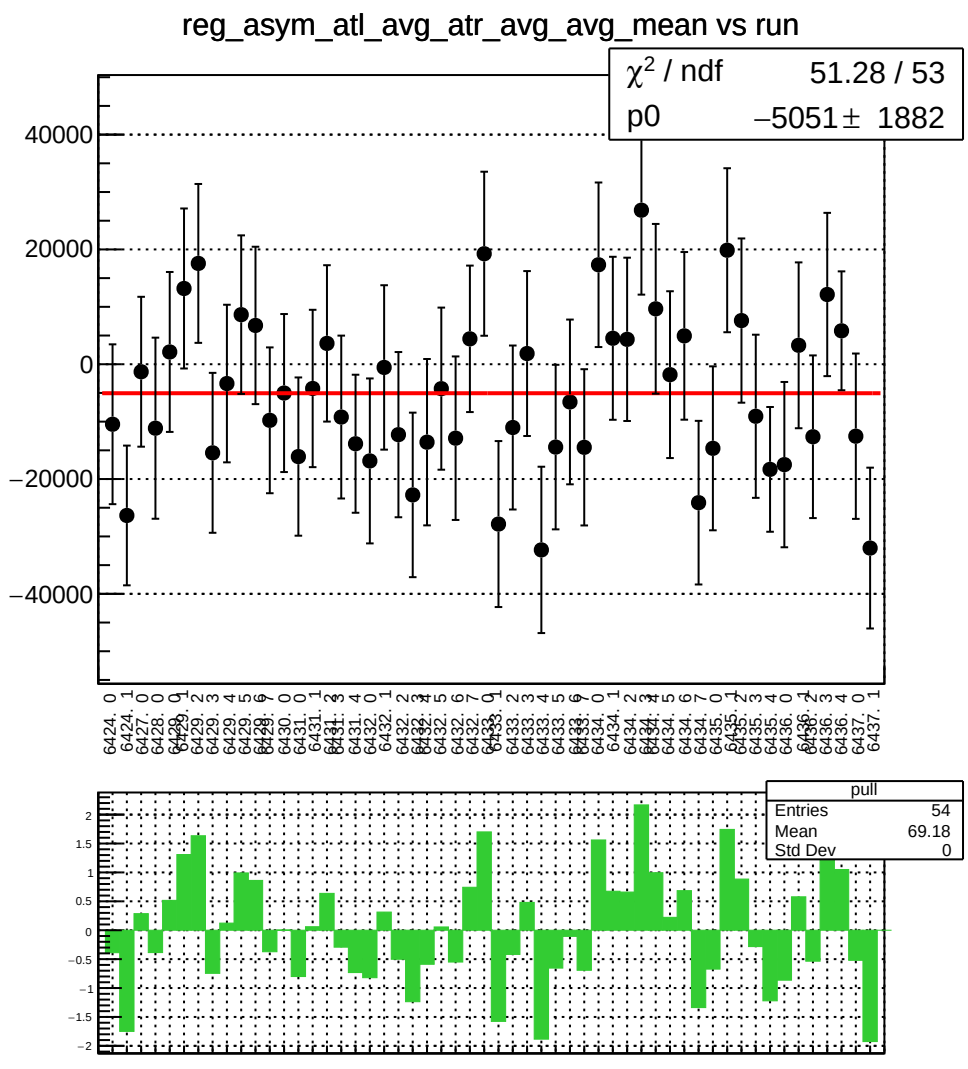

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0

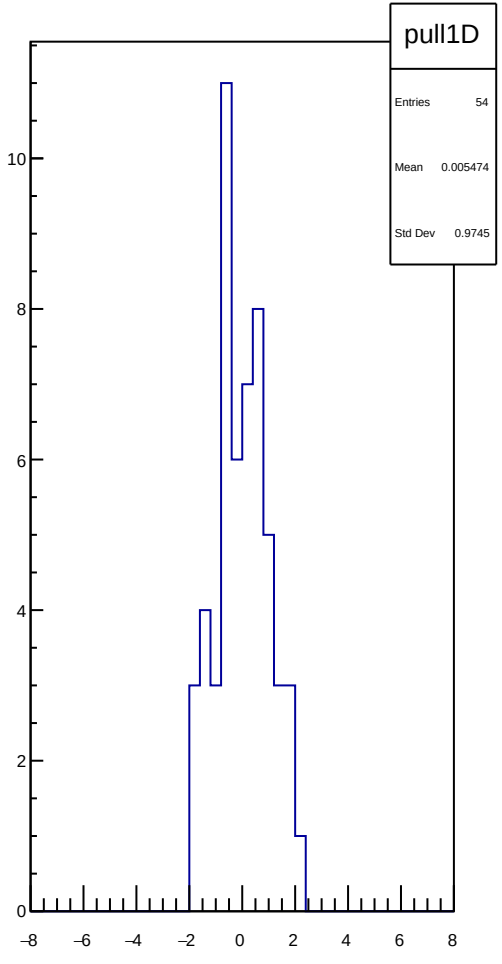

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

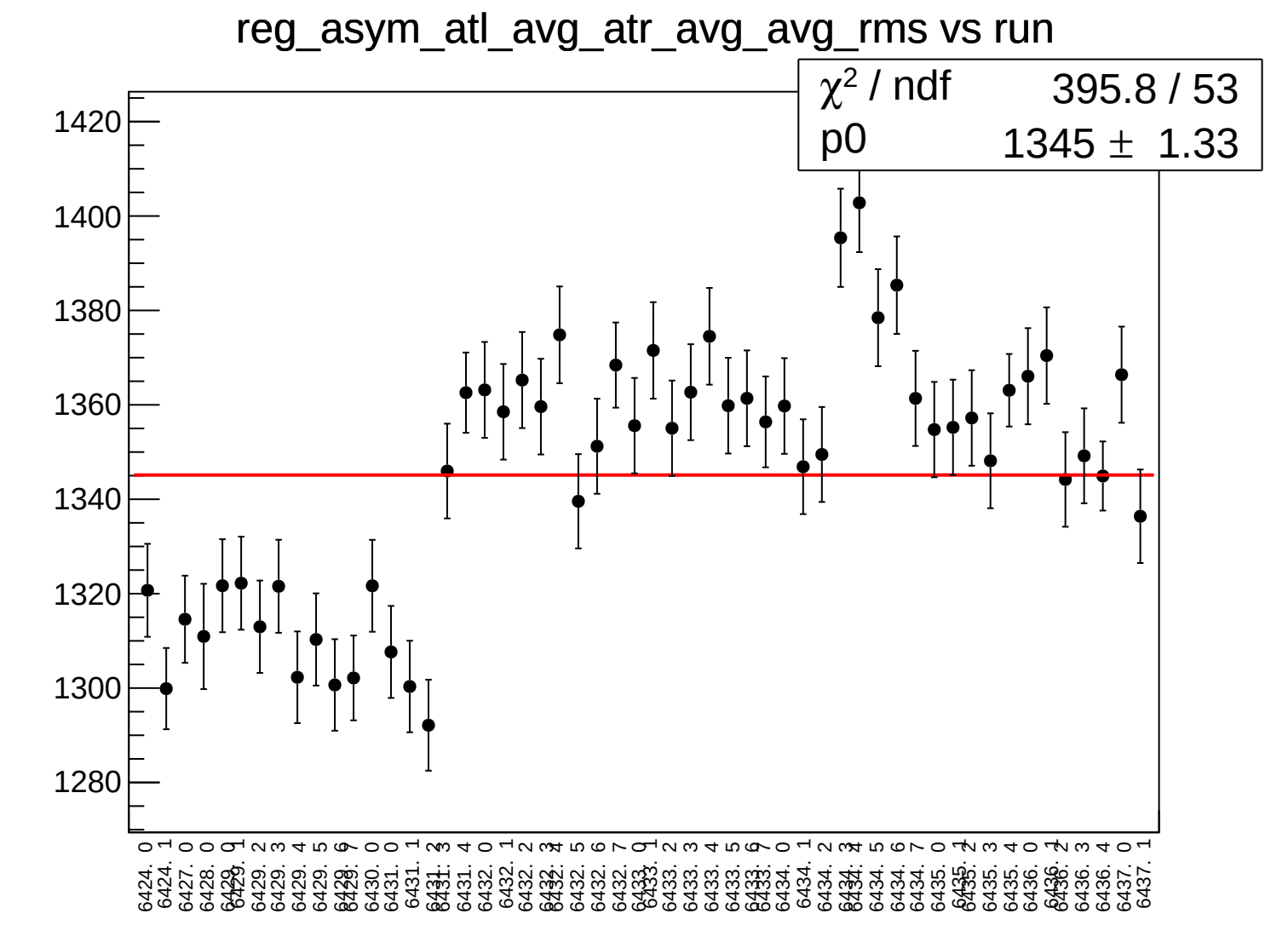

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

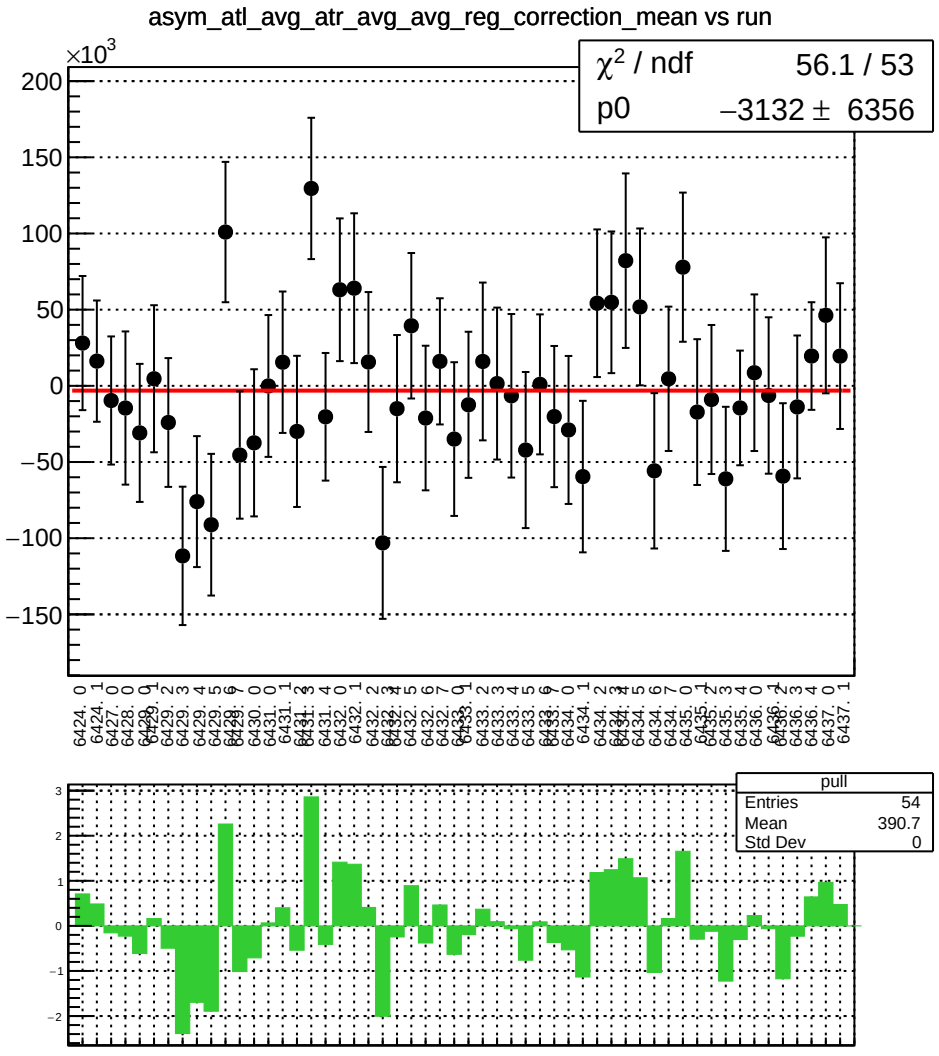

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 64.26 / 53
p0 −1.794e−13 ± 7.545e−14
pull
Entries 54
Mean 19.76
Std Dev 6.3
pull1D
Entries 54
Mean −0.03146
Std Dev 1.09

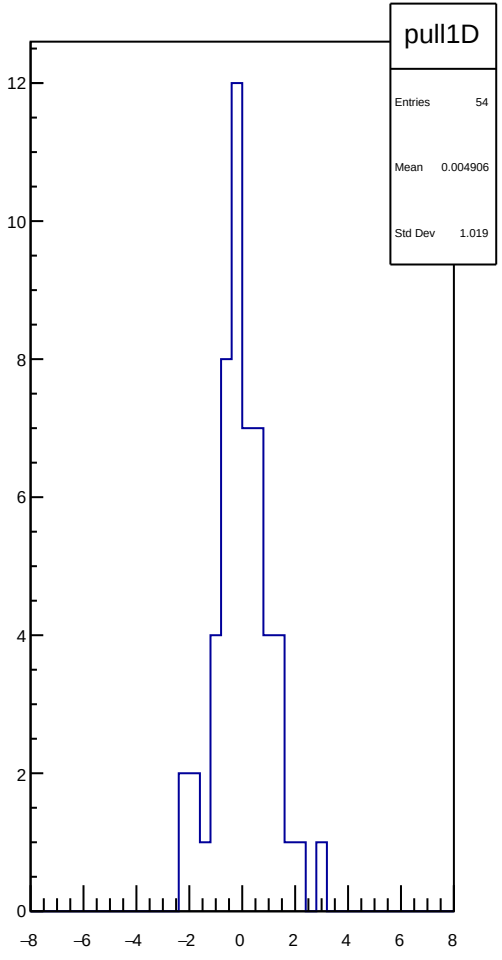

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.105e+05 / 53
p0 4.174e−11 ± 5.335e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

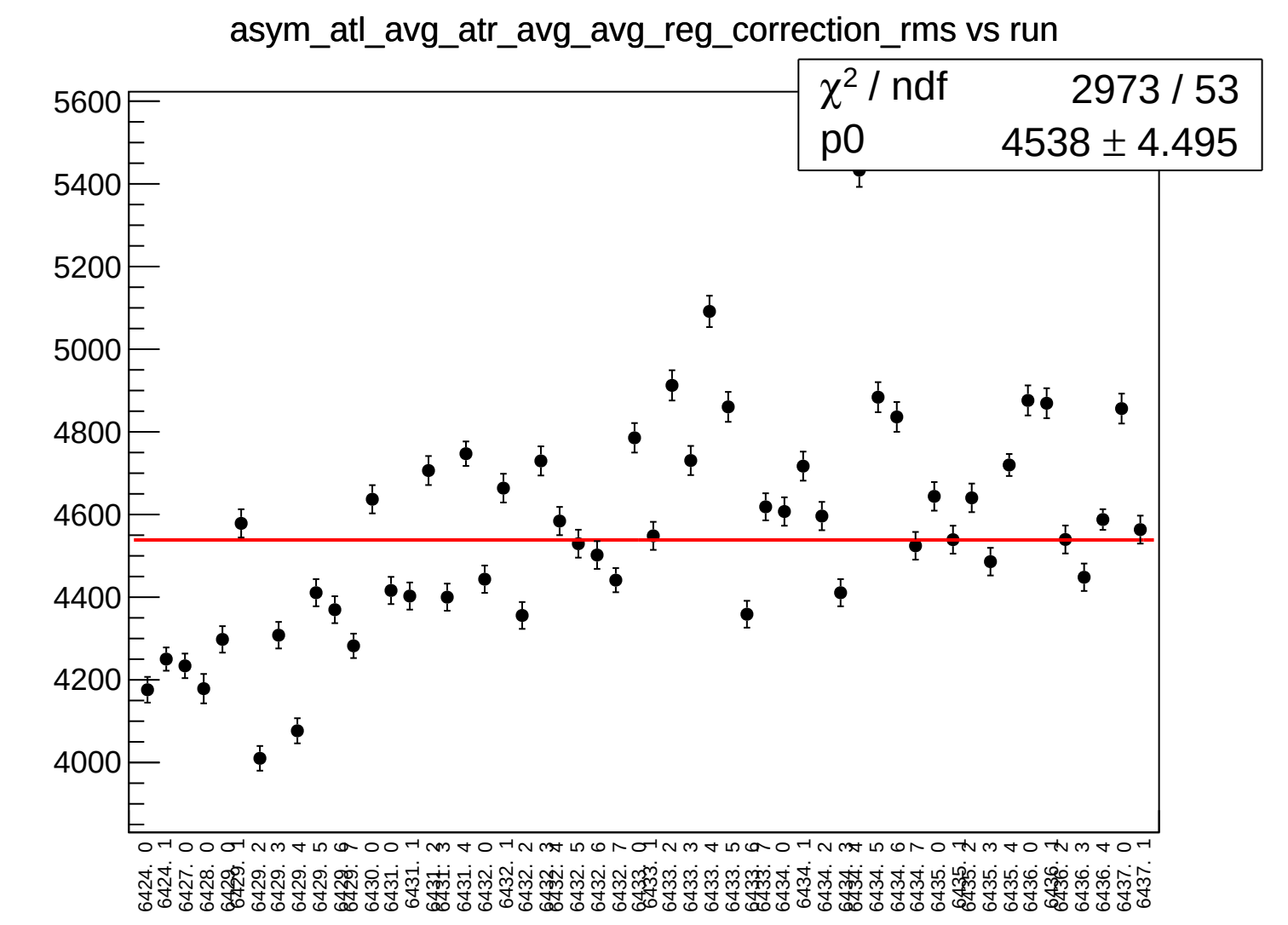

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.28 / 53
p0 −5051 ± 1882
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 69.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.005474
Std Dev 0.9745
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 395.8 / 53
p0 1345 ± 1.33
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.1 / 53
p0 −3132 ± 6356
pull
Entries 54
Mean 390.7
Std Dev 0


pull1D
Entries 54
Mean 0.004906
Std Dev 1.019


asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 2973 / 53
p0 4538 ± 4.495
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
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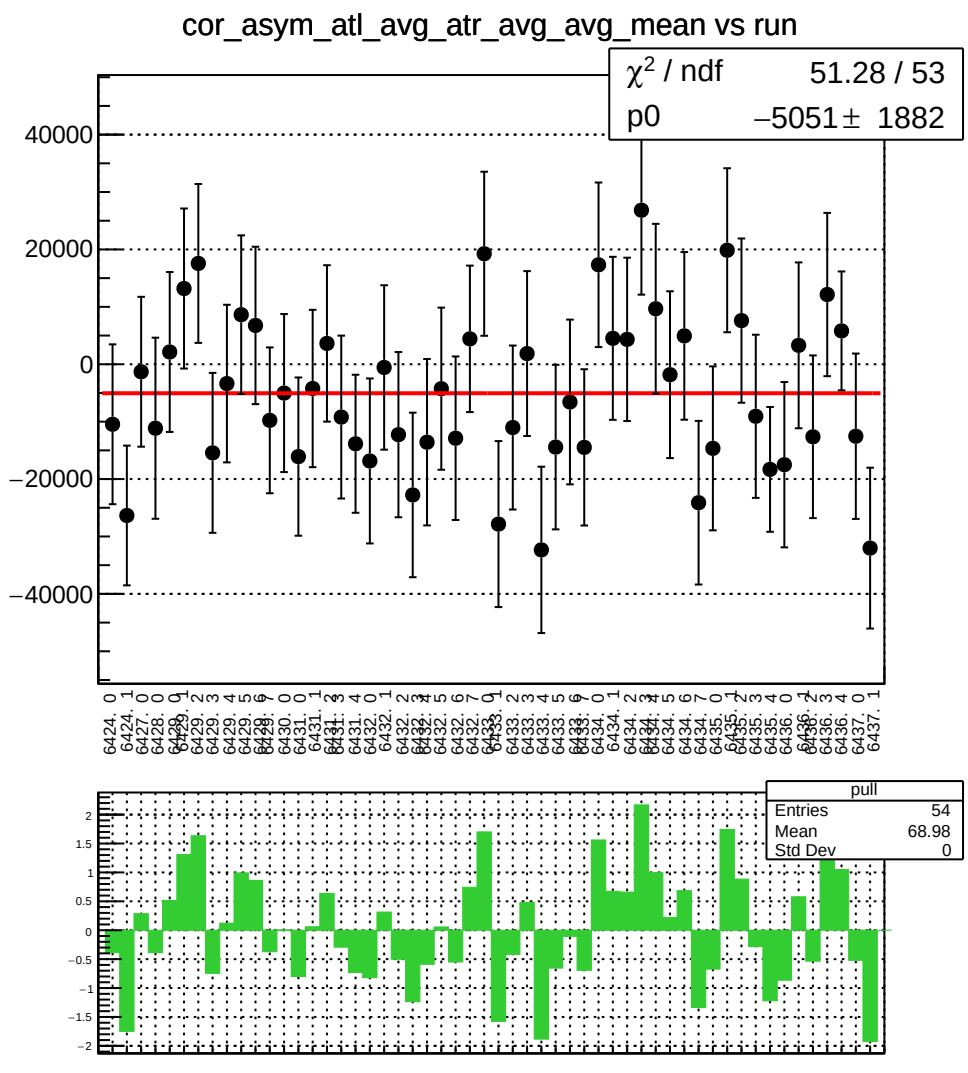
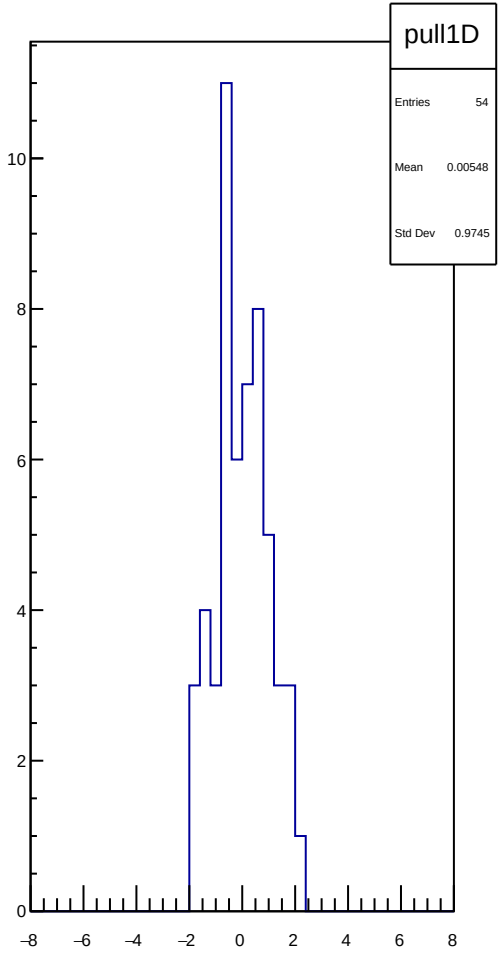
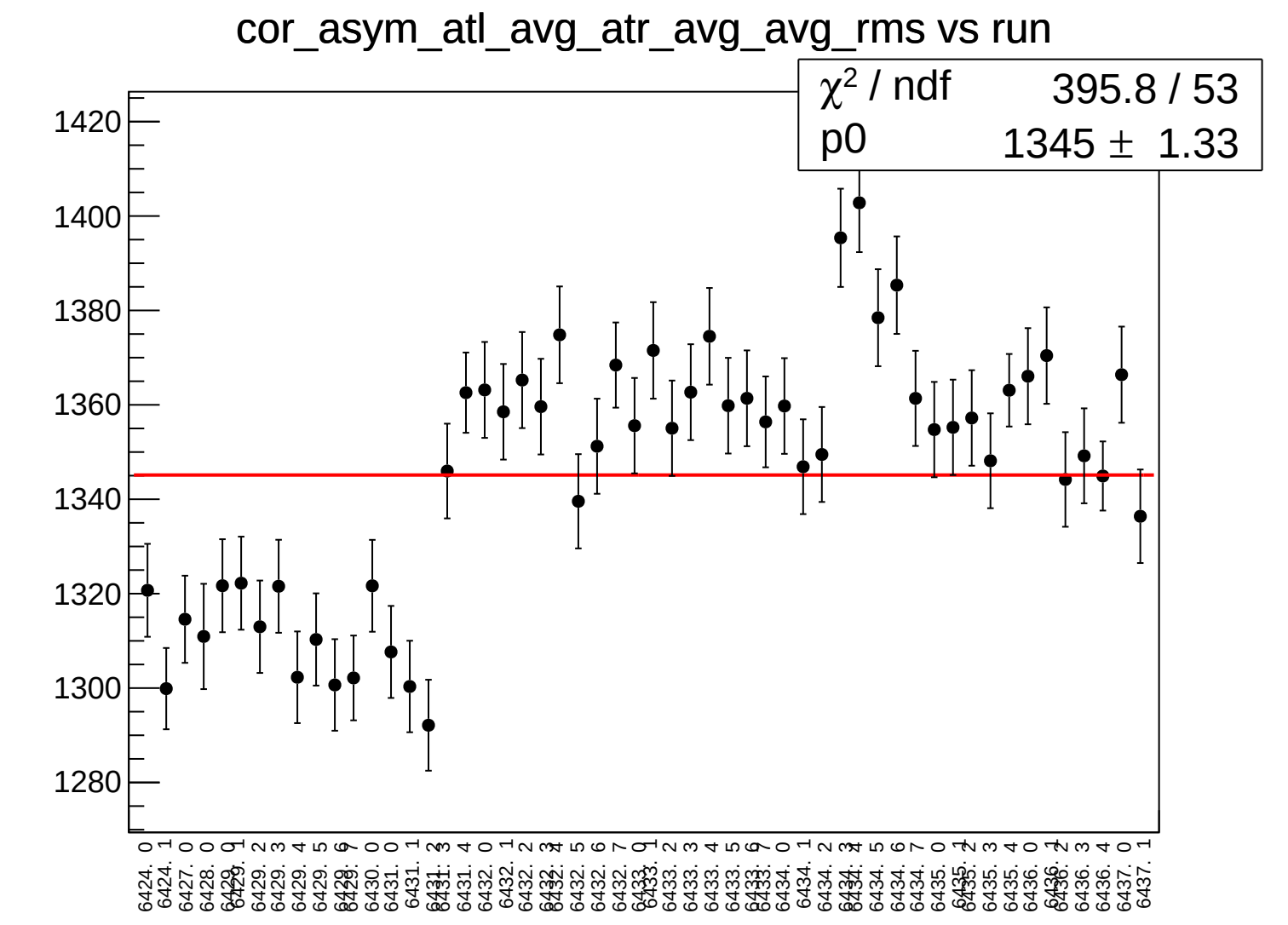
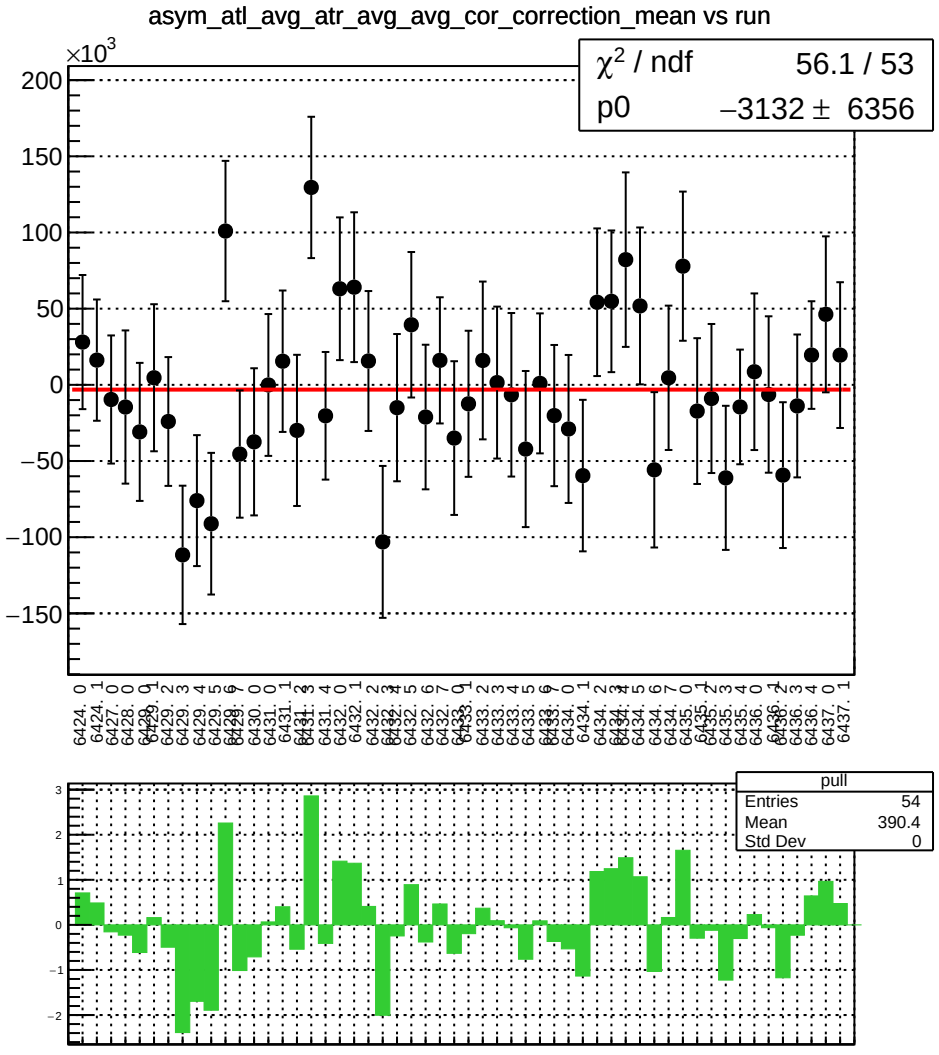
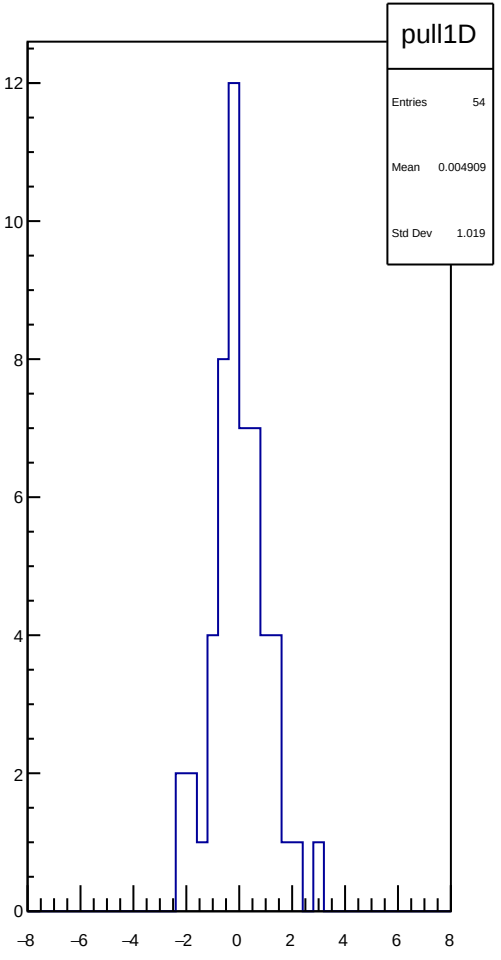
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

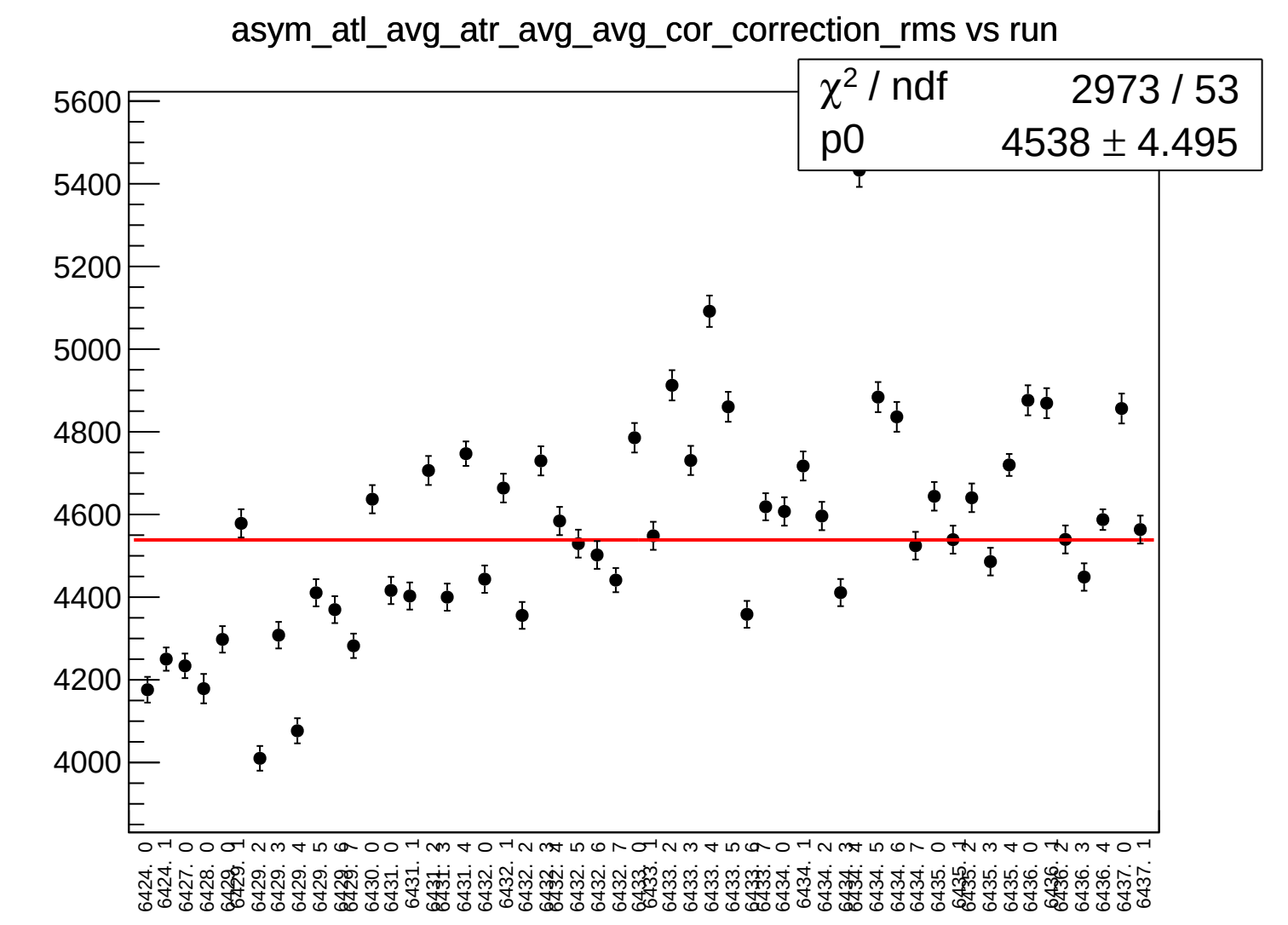

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.28 / 53
p0 −5051 ± 1882
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 68.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.00548
Std Dev 0.9745
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 395.8 / 53
p0 1345 ± 1.33
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.1 / 53
p0 −3132 ± 6356
pull
Entries 54
Mean 390.4
Std Dev 0


pull1D
Entries 54
Mean 0.004909
Std Dev 1.019


asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 2973 / 53
p0 4538 ± 4.495
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
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6432. 6
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6434. 6
6434. 7
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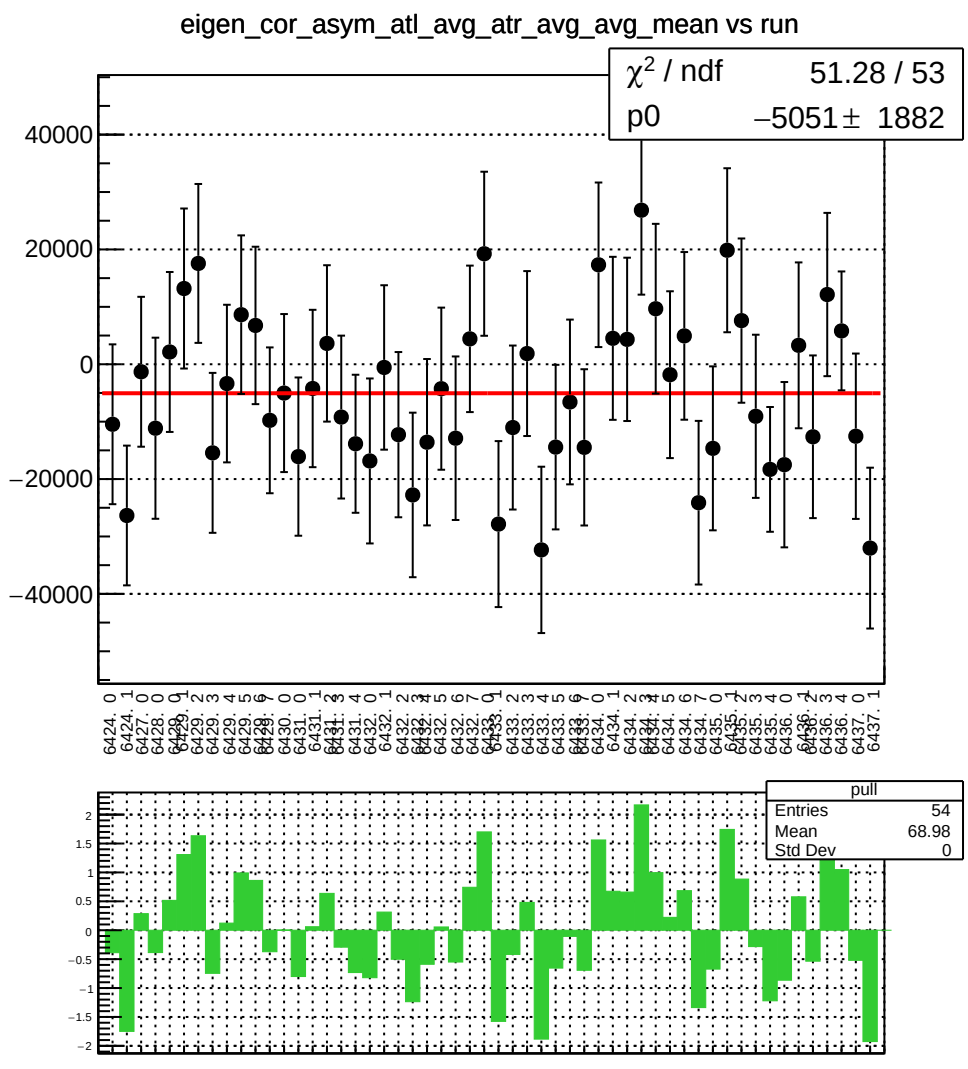
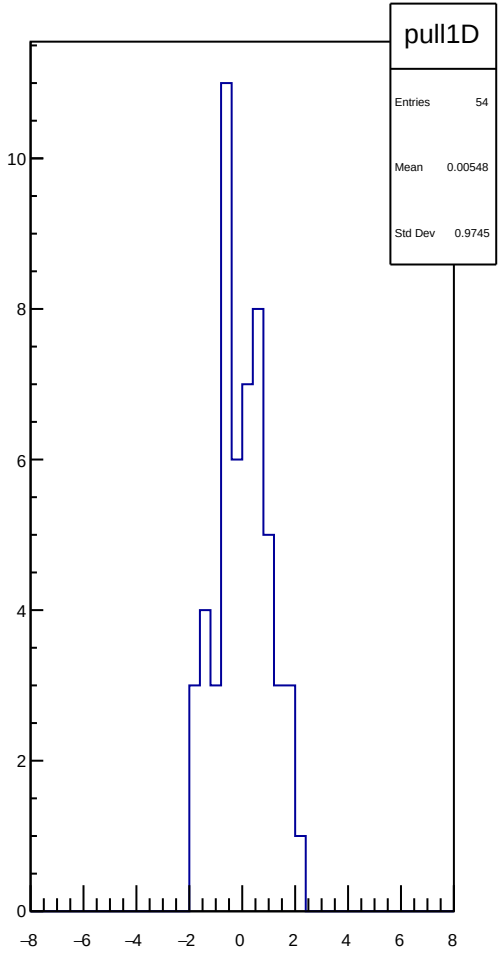
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 51.28 / 53
p0 −5051 ± 1882
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 68.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.00548
Std Dev 0.9745
10
8
6
4
2
0
−8
−6
−4
−2
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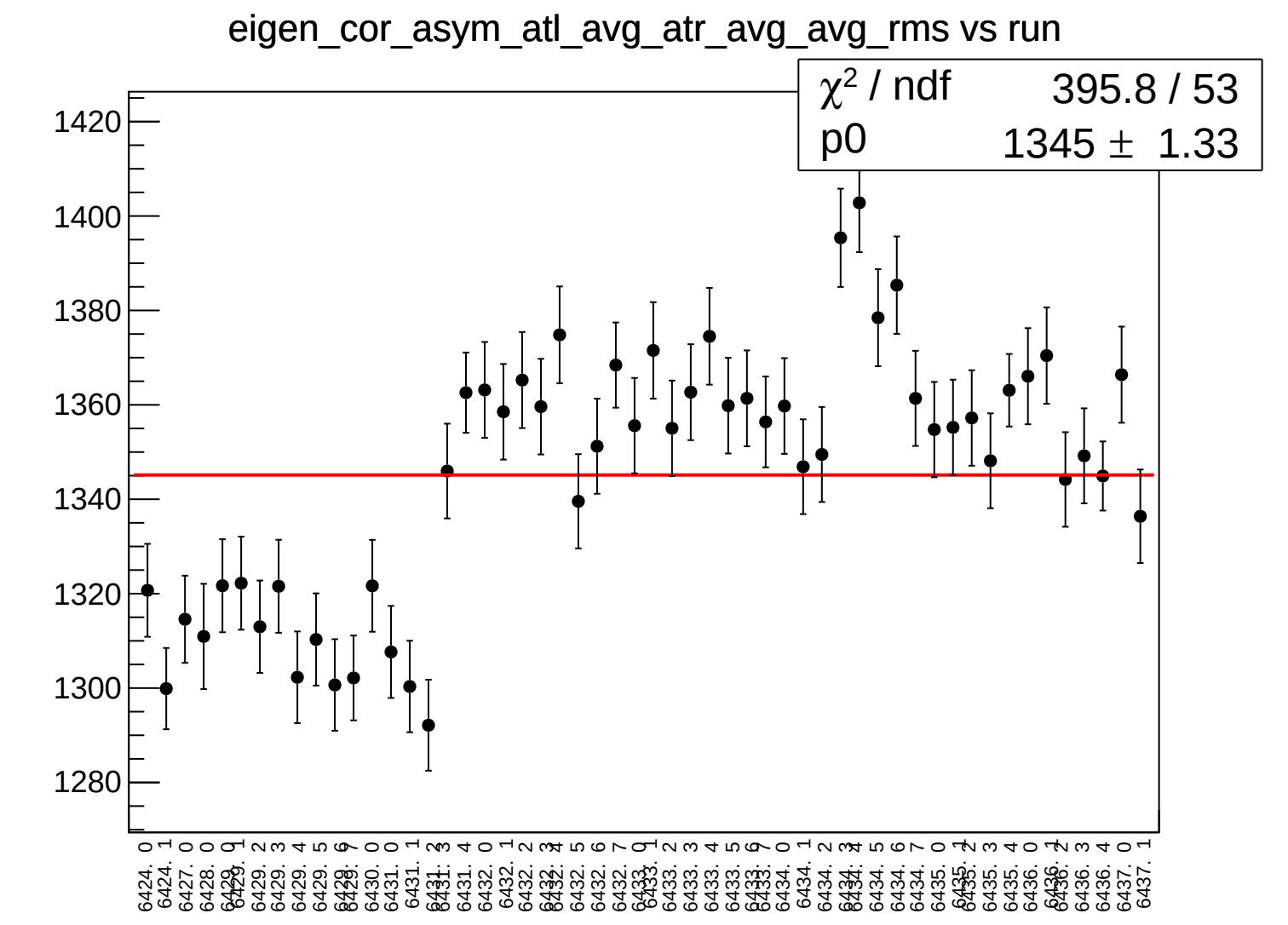
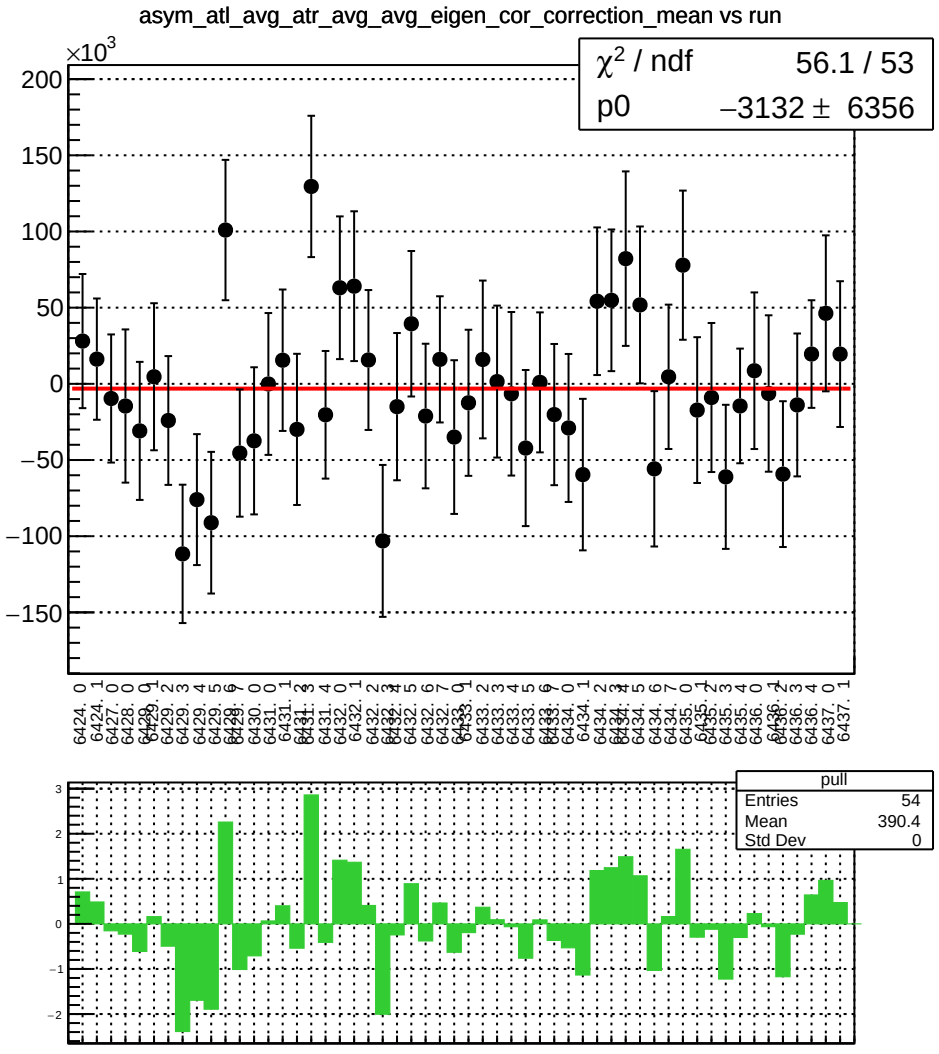
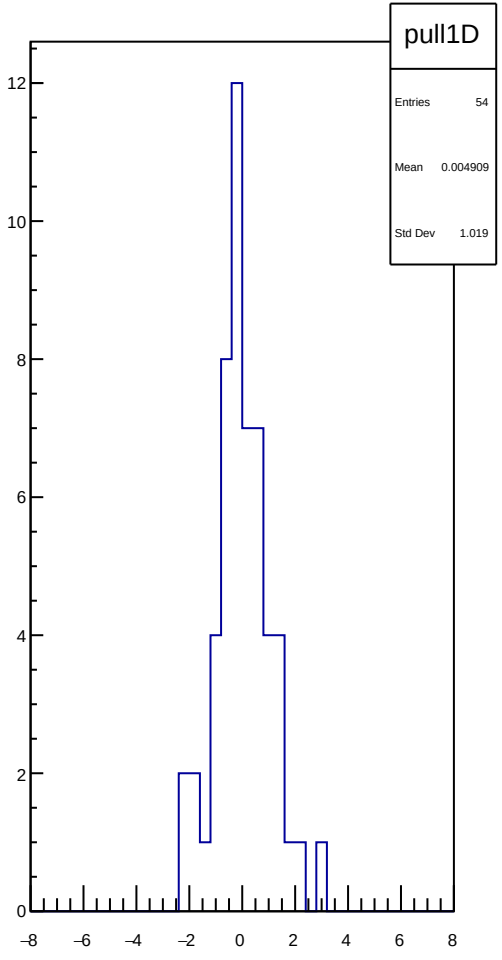
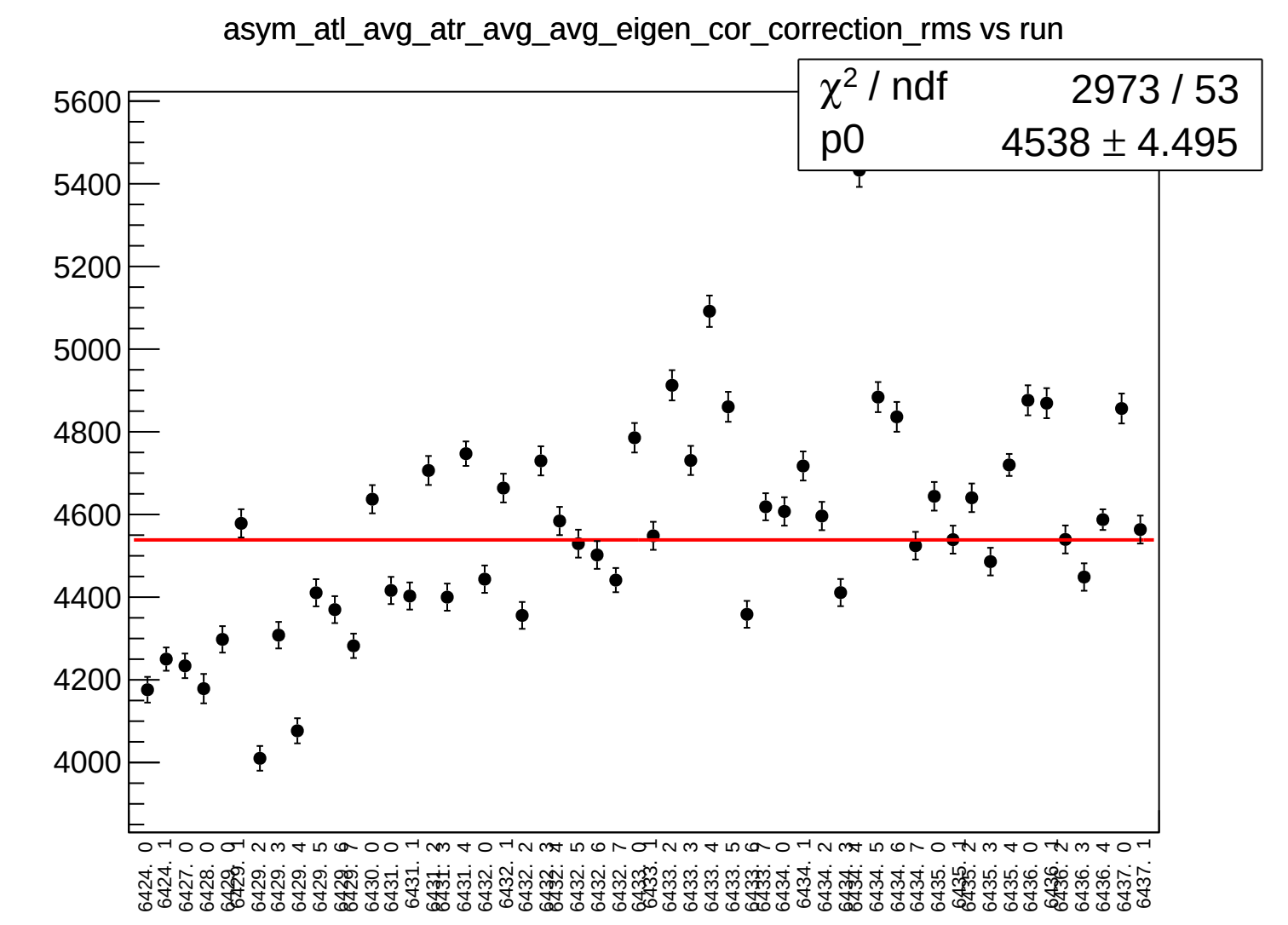
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 395.8 / 53
p0 1345 ± 1.33
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.1 / 53
p0 −3132 ± 6356
pull
Entries 54
Mean 390.4
Std Dev 0


pull1D
Entries 54
Mean 0.004909
Std Dev 1.019


asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2973 / 53
p0 4538 ± 4.495
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
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6432. 3
6432. 4
6432. 5
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6432. 7
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6433. 1
6433. 2
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6433. 4
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6435. 1
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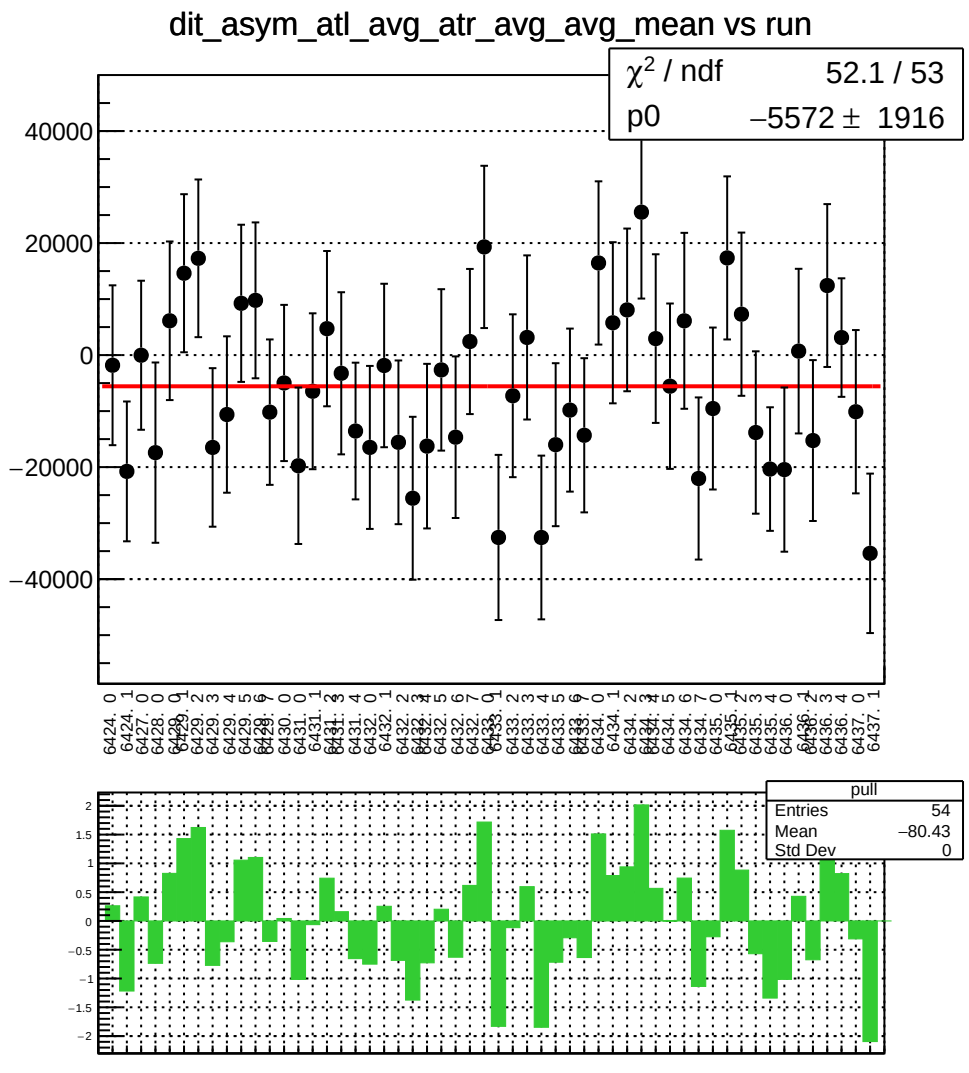
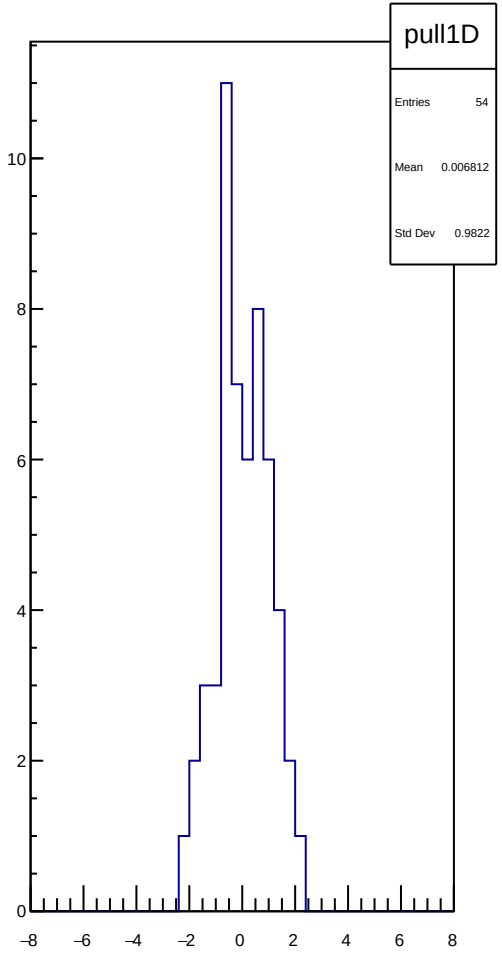
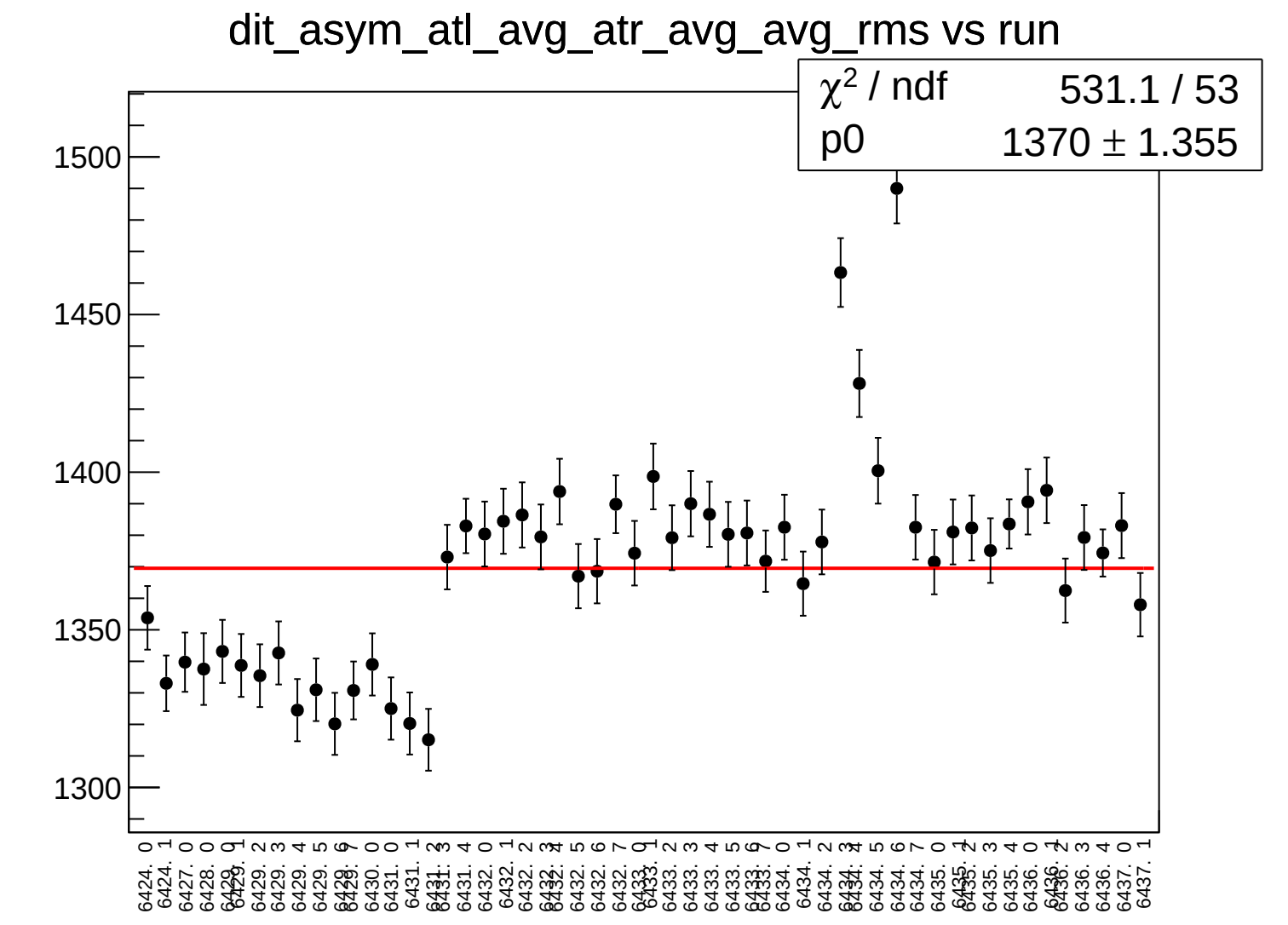
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 52.1 / 53
p0 −5572 ± 1916
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −80.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.006812
Std Dev 0.9822
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 531.1 / 53
p0 1370 ± 1.355
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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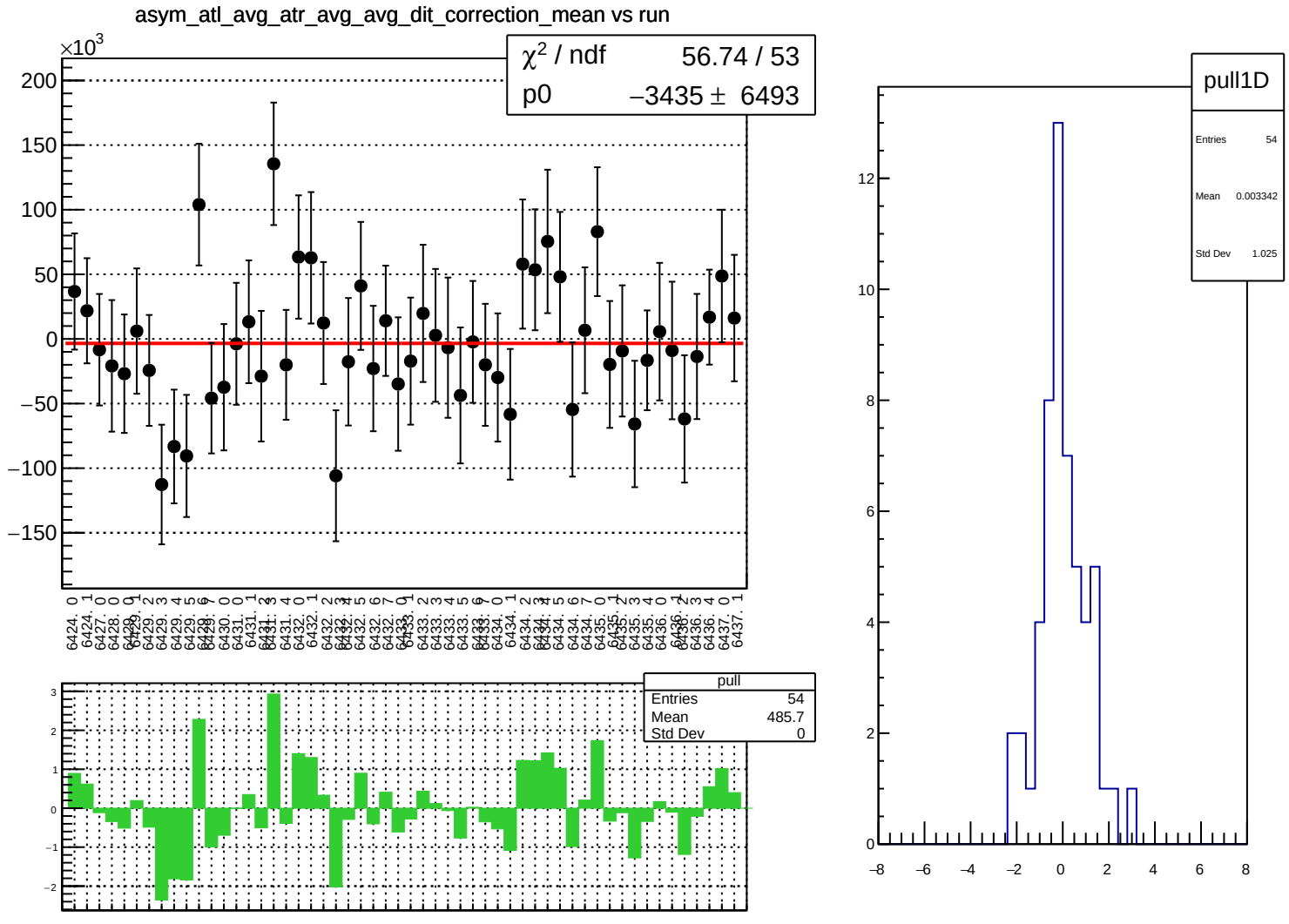
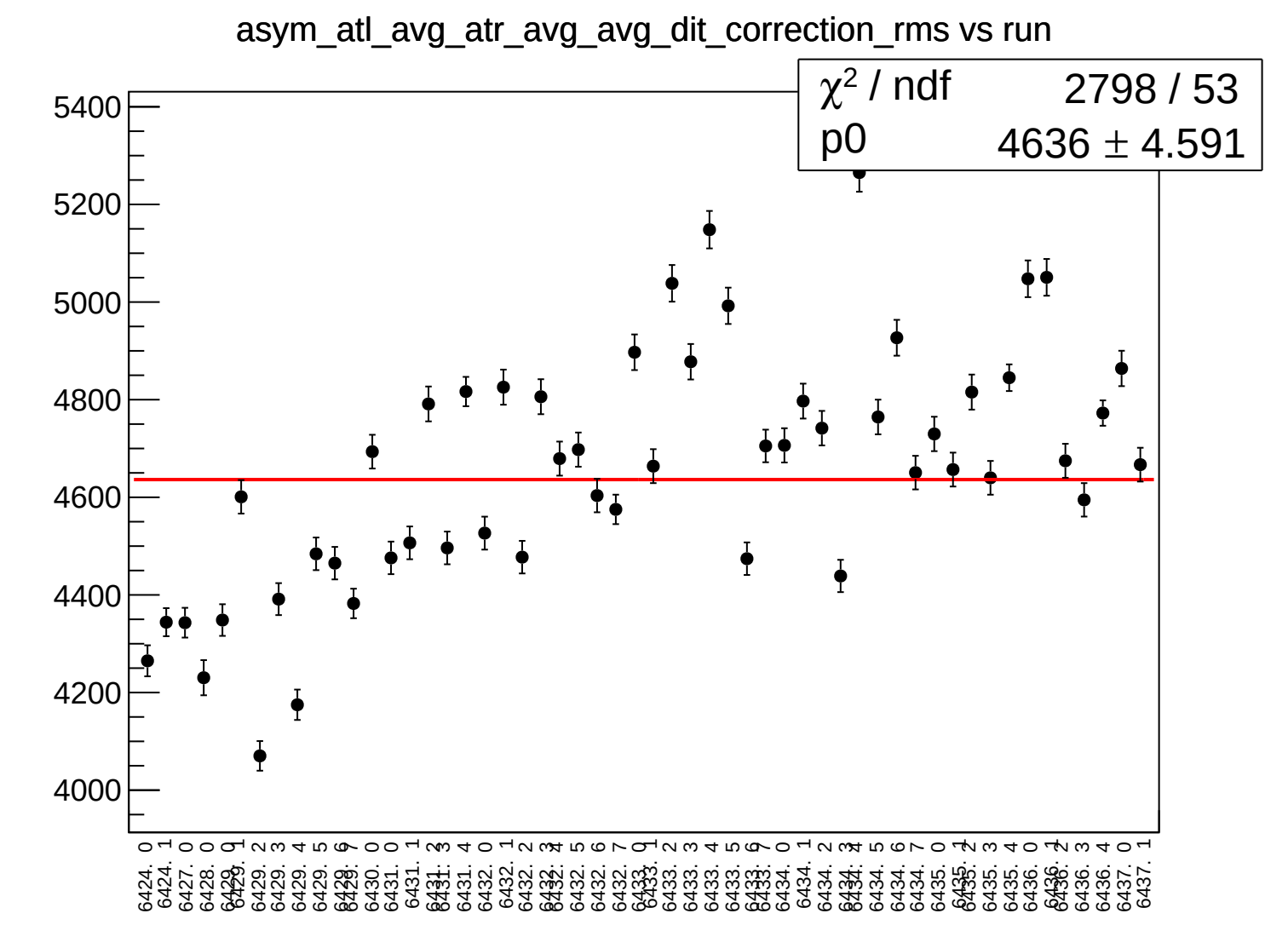
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.74 / 53
p0 −3435 ± 6493
pull
Entries 54
Mean 485.7
Std Dev 0
pull1D
Entries 54
Mean 0.003342
Std Dev 1.025


asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 2798 / 53
p0 4636 ± 4.591
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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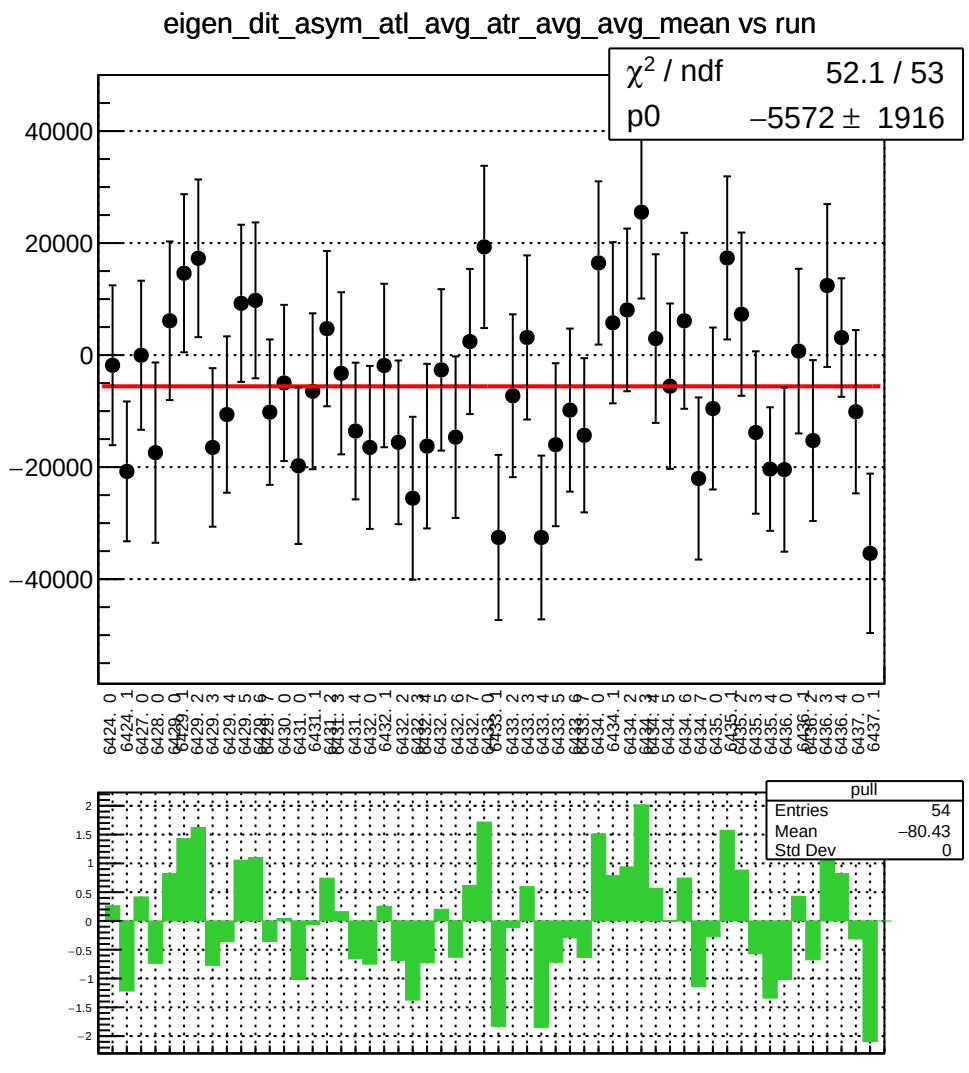
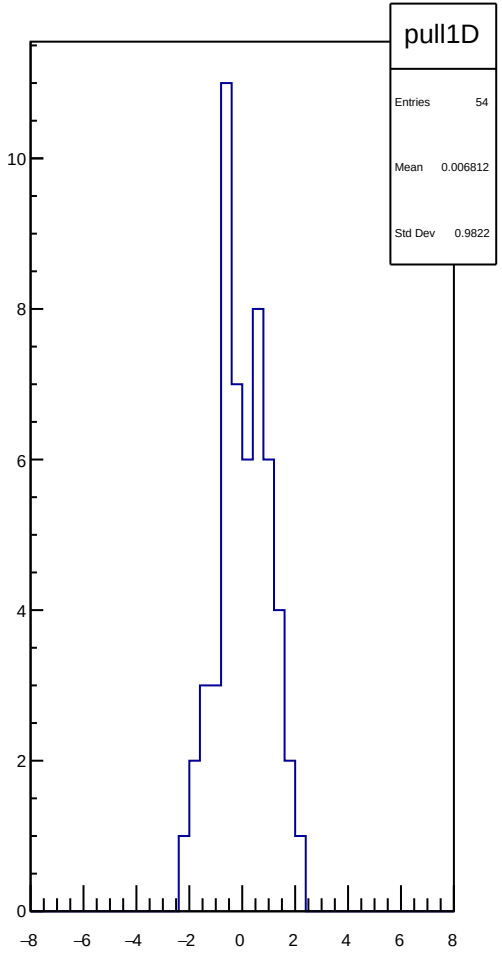
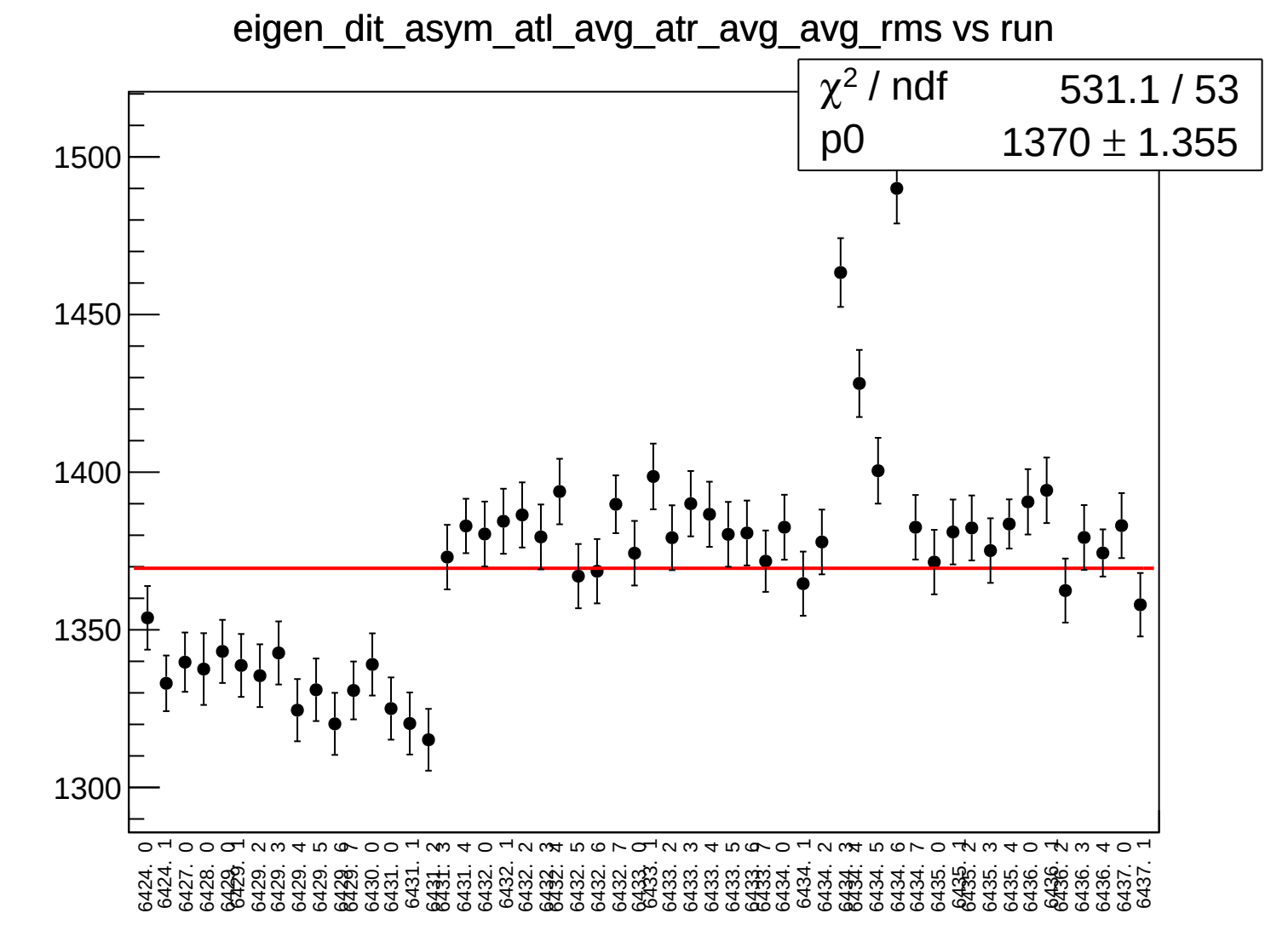

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 52.1 / 53
p0 −5572 ± 1916
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −80.43
Std Dev 0


pull1D
Entries 54
Mean 0.006812
Std Dev 0.9822


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 531.1 / 53
p0 1370 ± 1.355
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
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6434. 5
6434. 6
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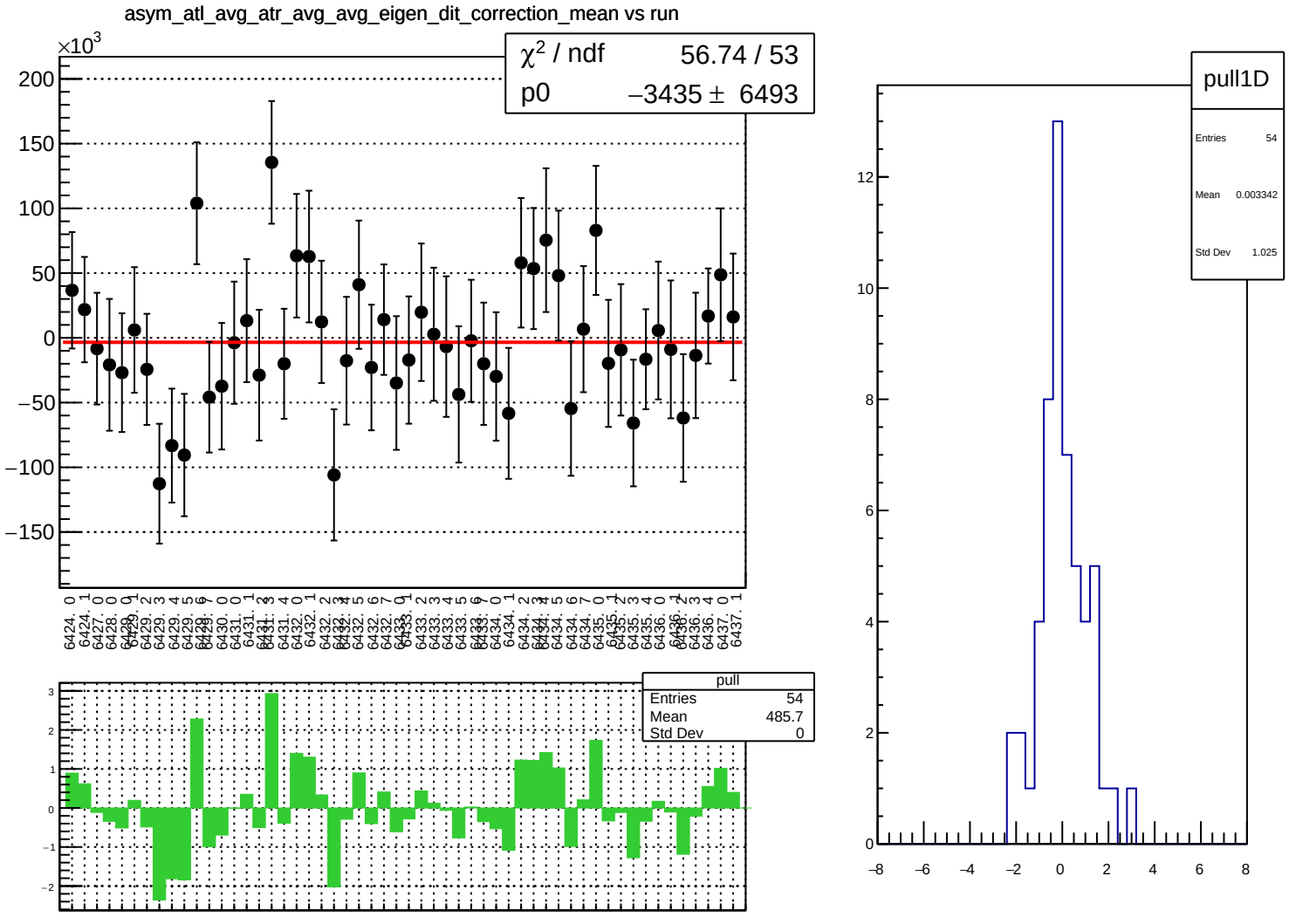
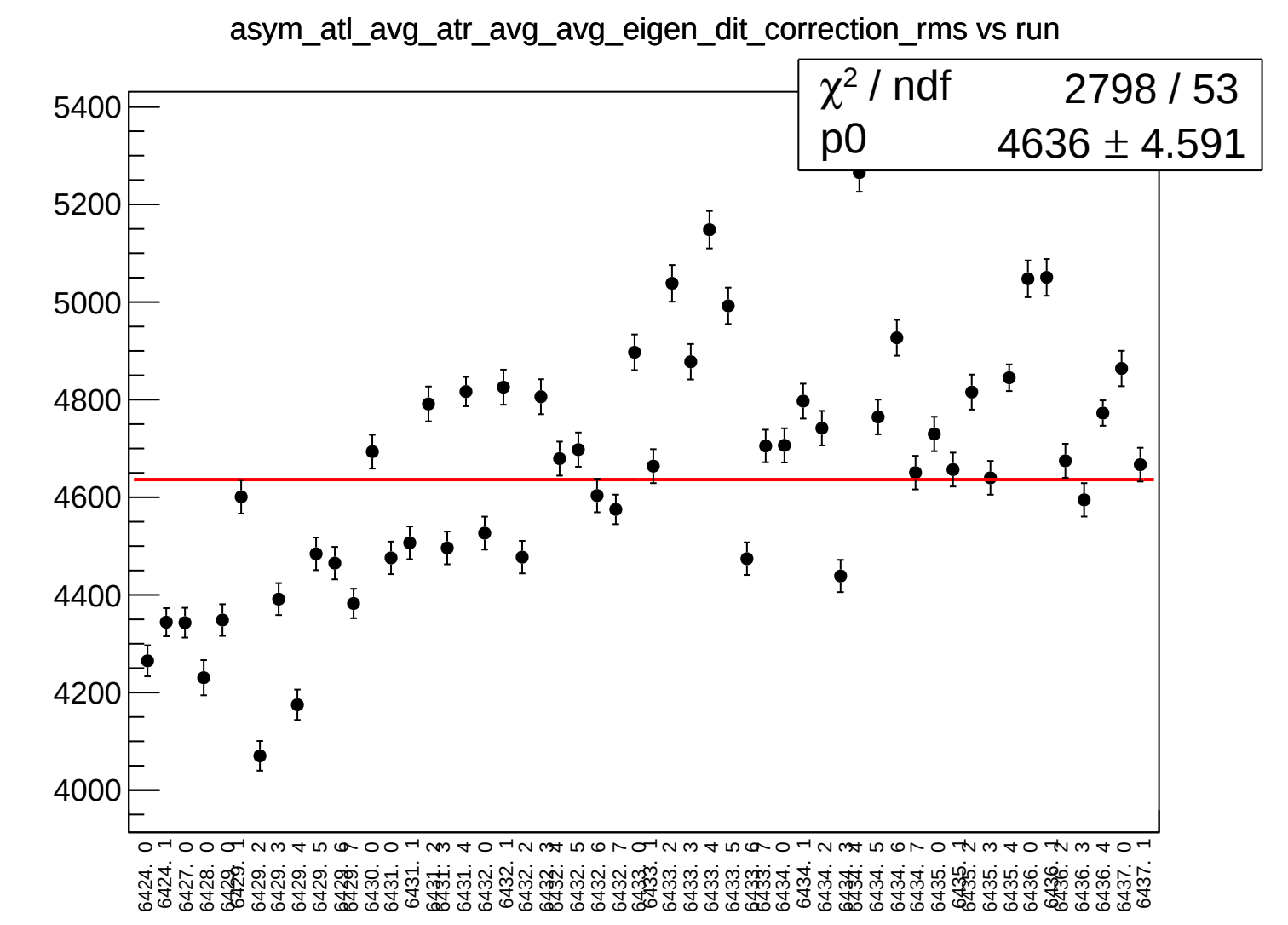
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.74 / 53
p0 −3435 ± 6493
pull
Entries 54
Mean 485.7
Std Dev 0
pull1D
Entries 54
Mean 0.003342
Std Dev 1.025


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2798 / 53
p0 4636 ± 4.591
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
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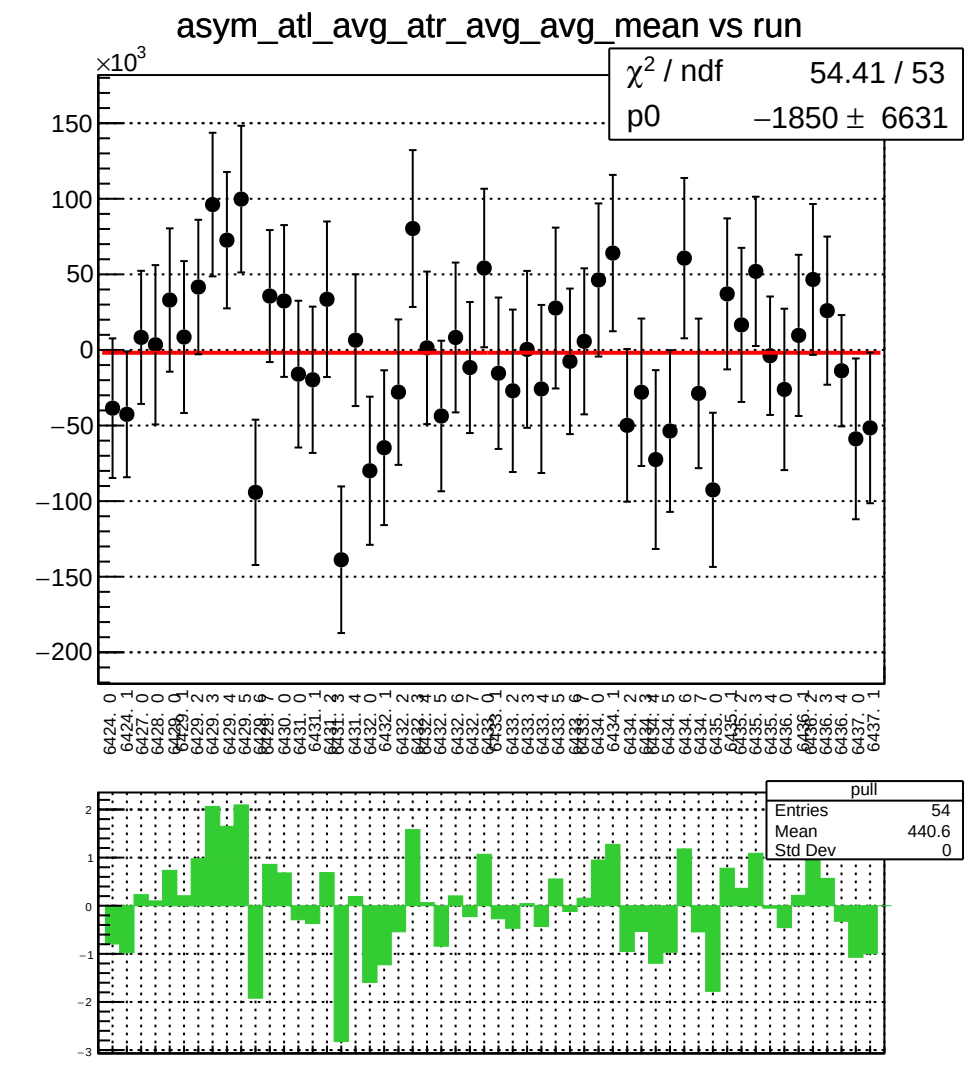
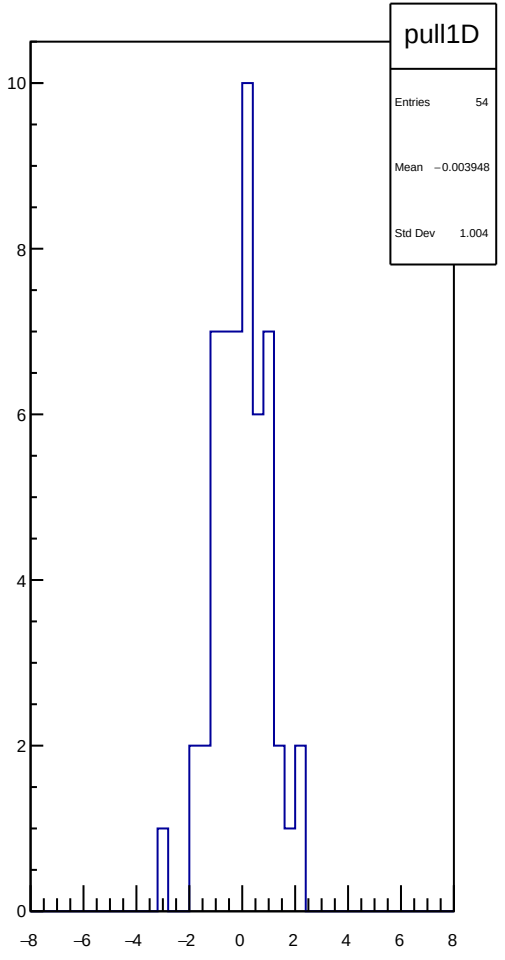
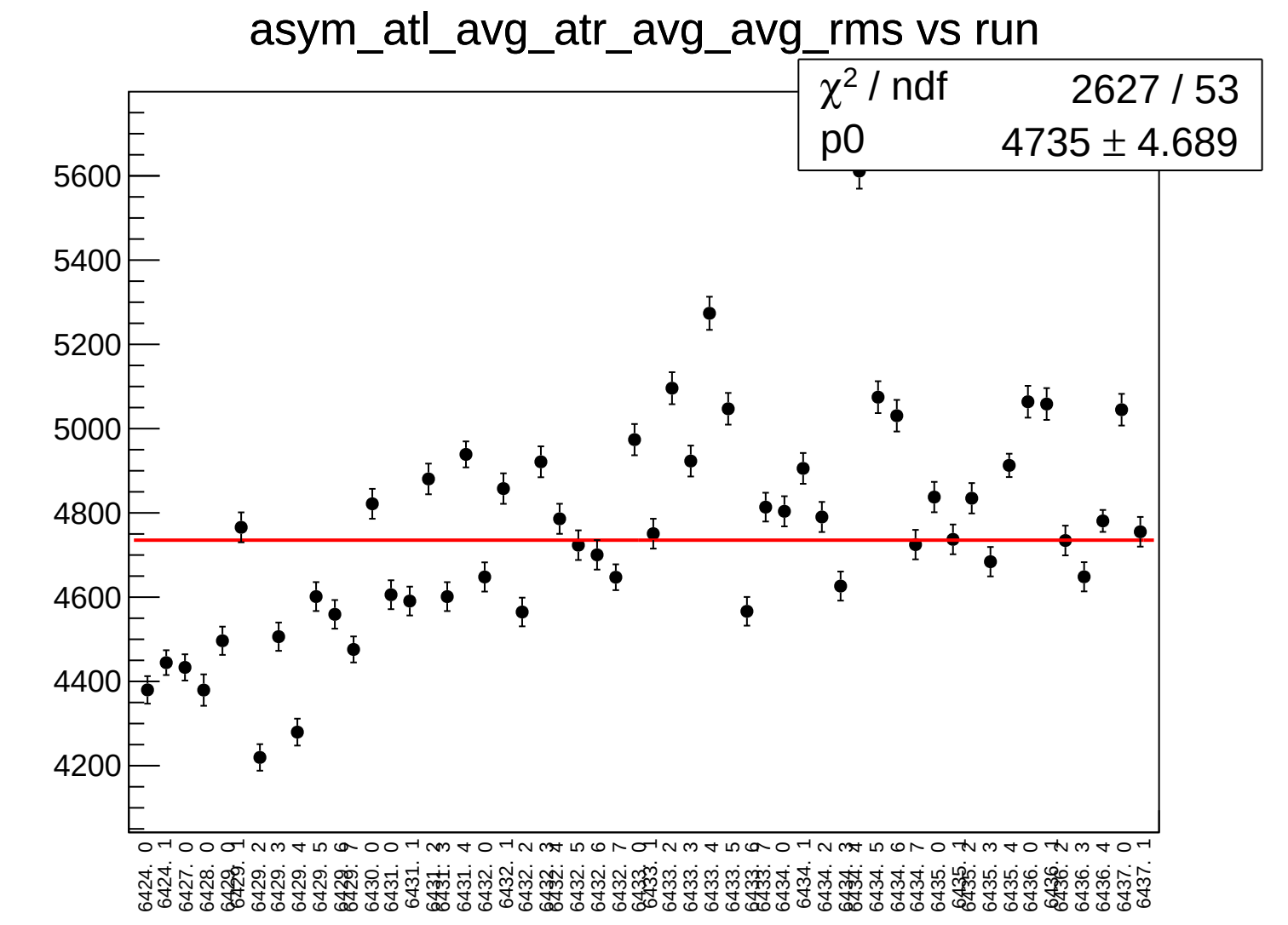
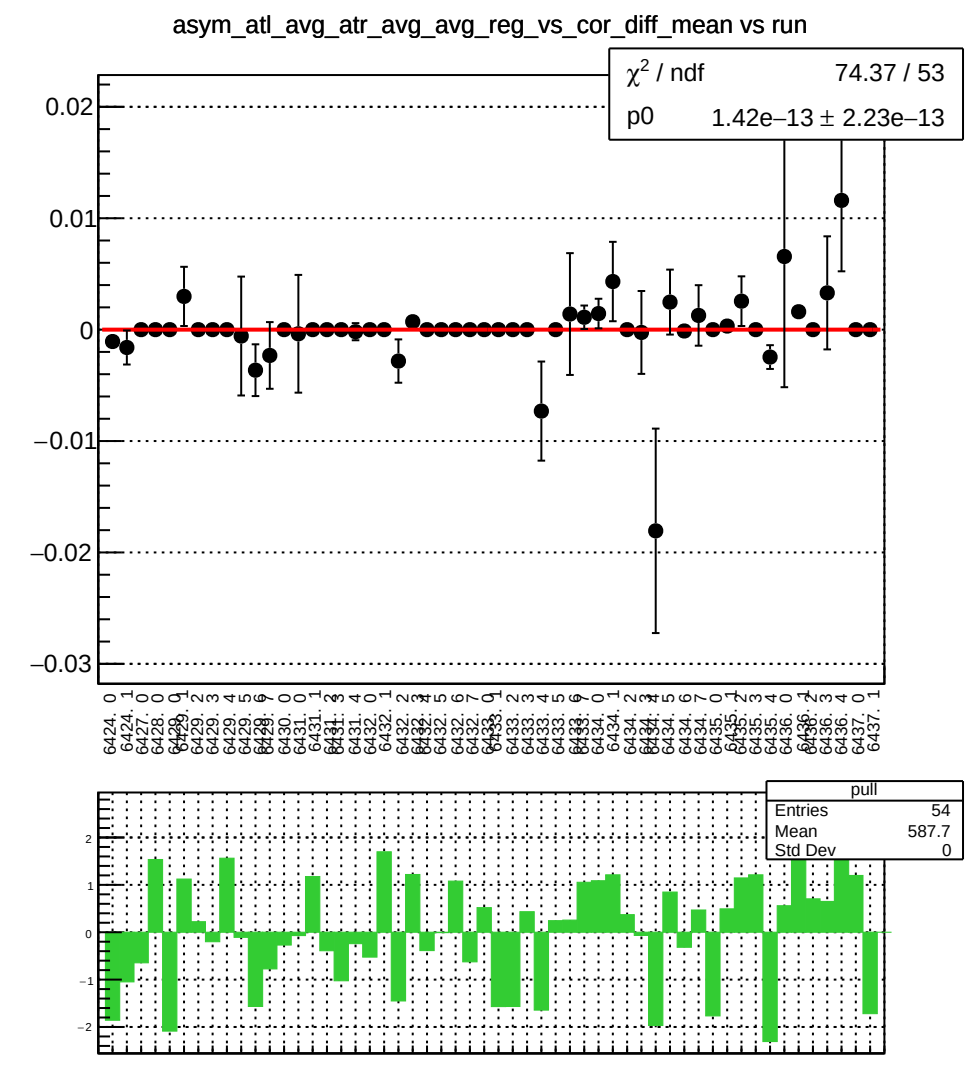
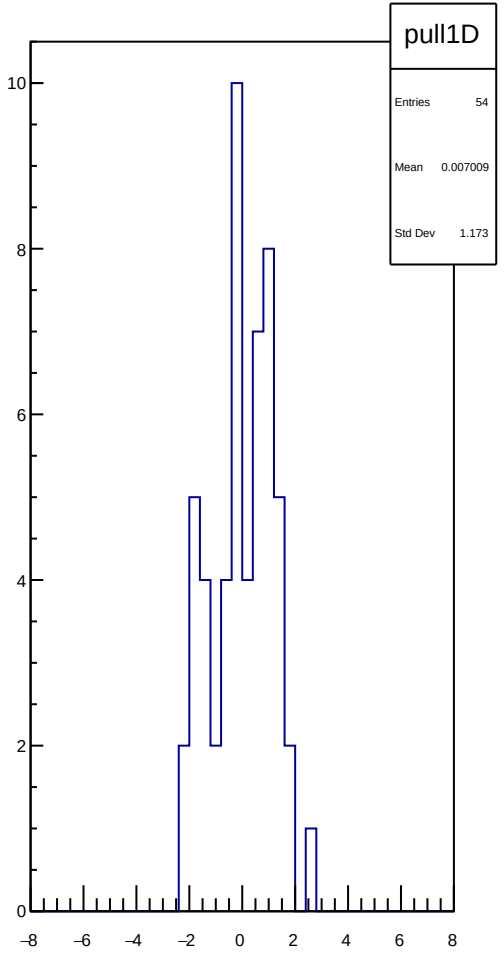
6437. 0
6437. 1

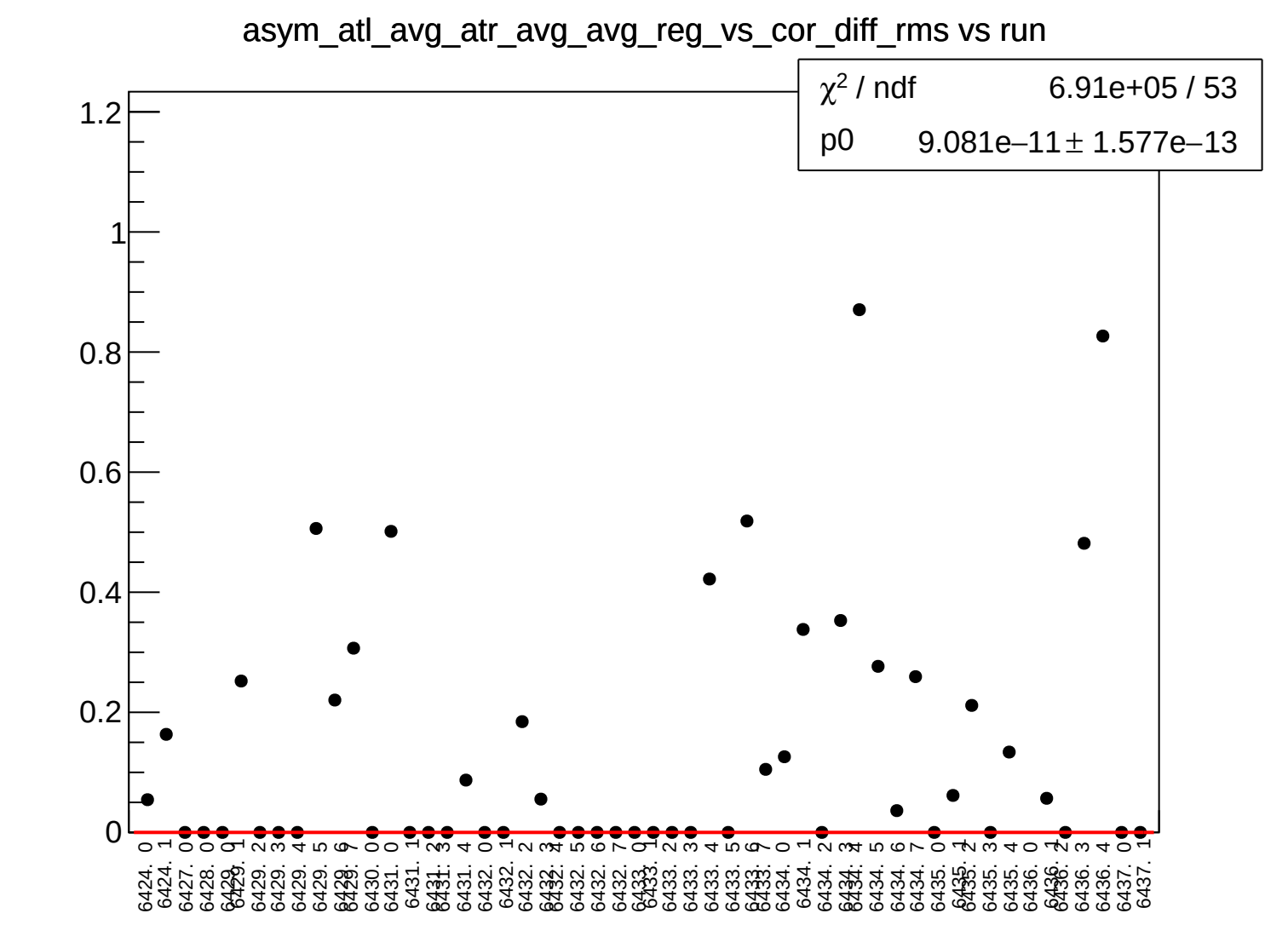

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 54.41 / 53
p0 −1850 ± 6631
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 440.6
Std Dev 0
2
1
0
−1
−2
−3

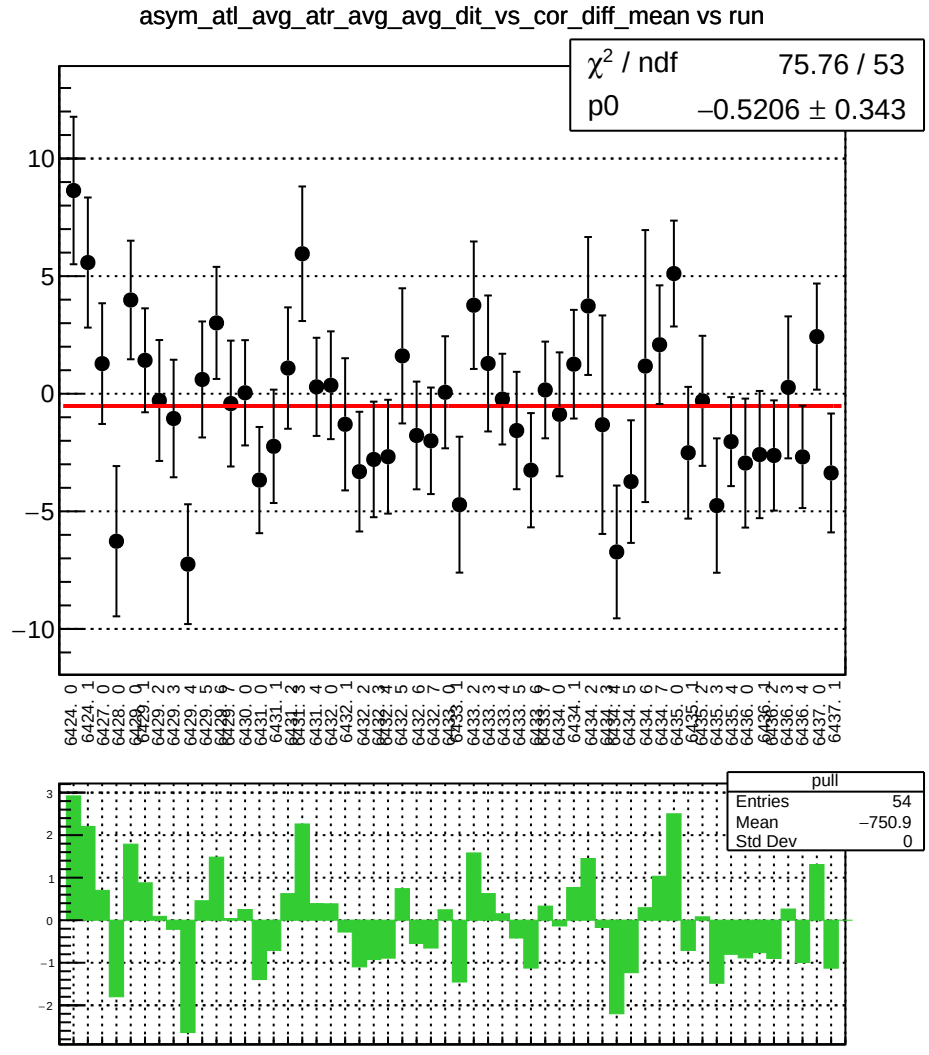

pull1D
Entries 54
Mean −0.003948
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

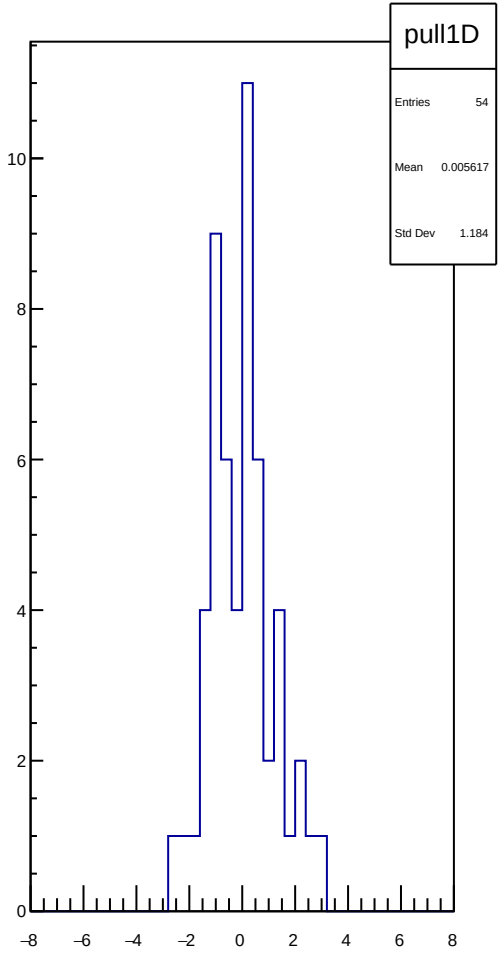

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2627 / 53
p0 4735 ± 4.689
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

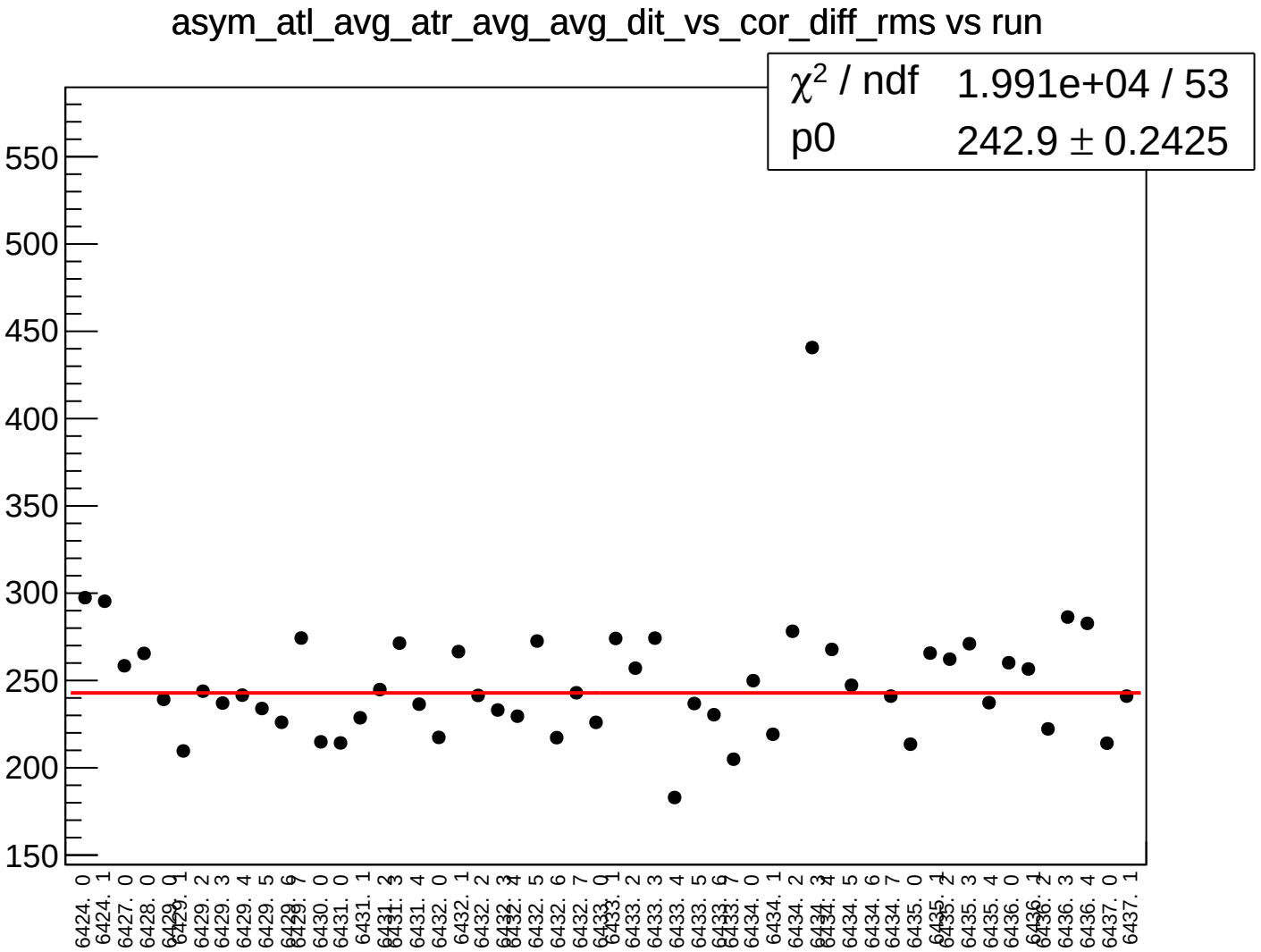

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.37 / 53
p0 1.42e−13 ± 2.23e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 54
Mean 587.7
Std Dev 0

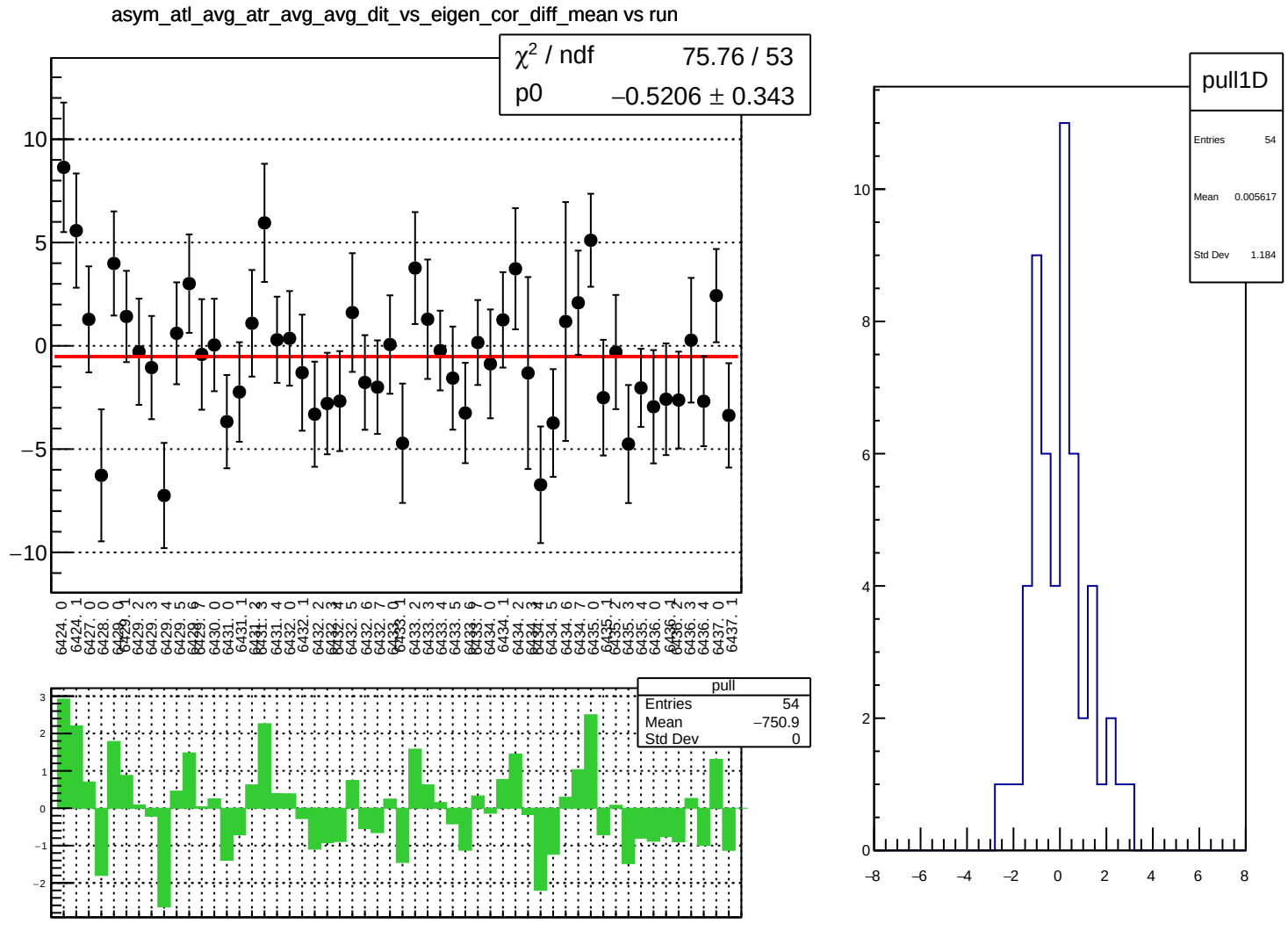

pull1D
Entries 54
Mean 0.007009
Std Dev 1.173

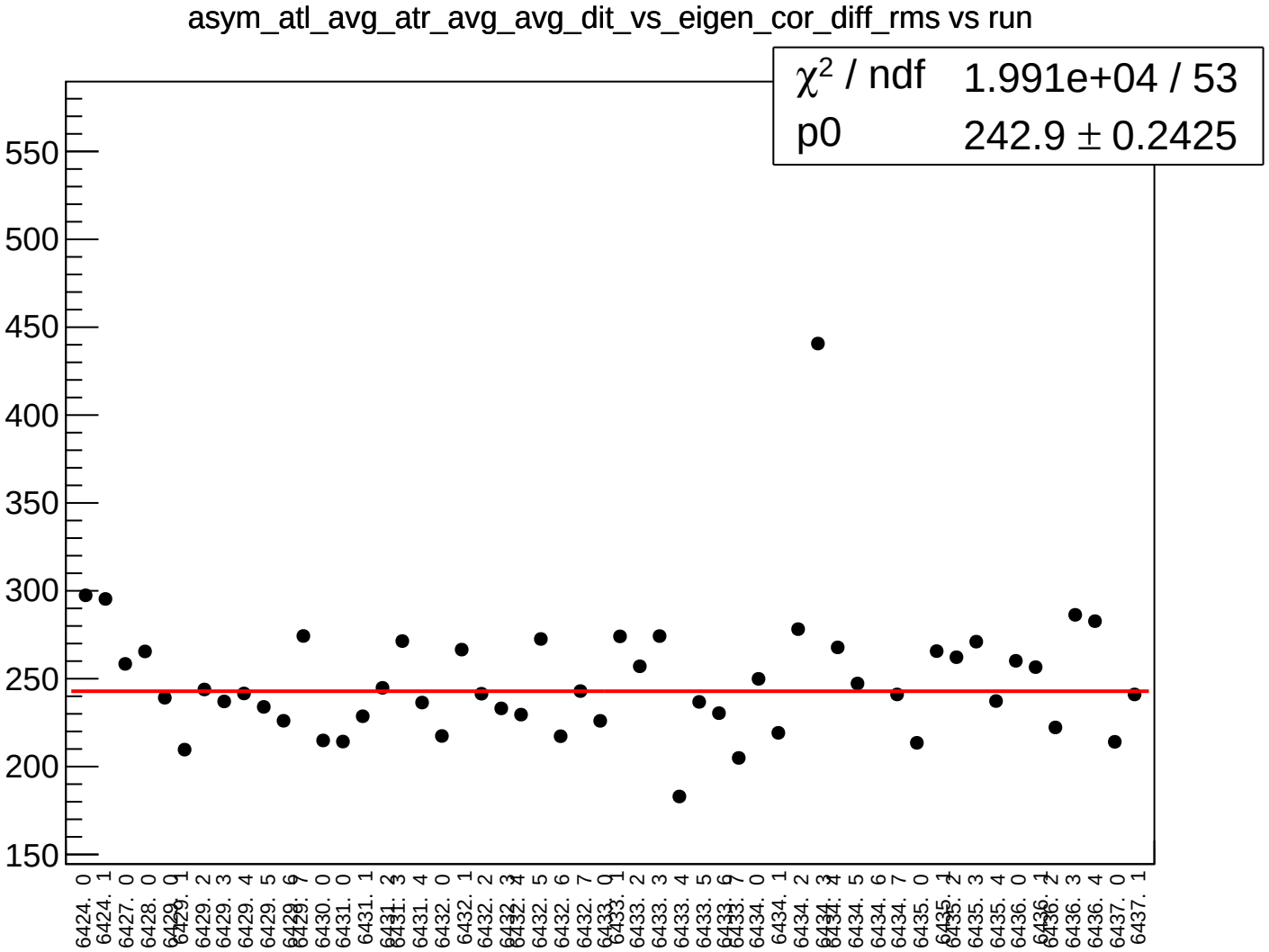

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.91e+05 / 53
p0 9.081e−11 ± 1.577e−13
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

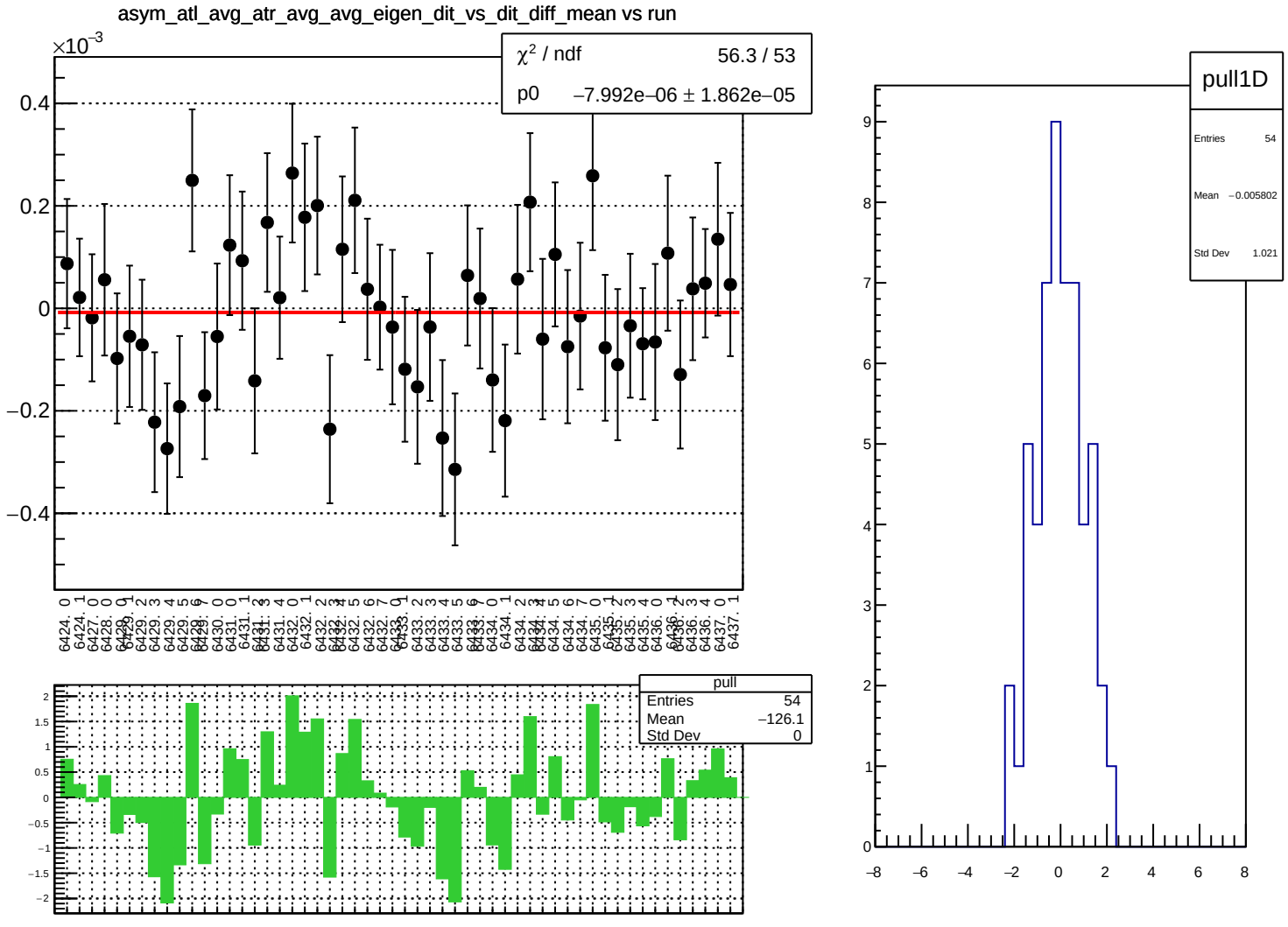

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.76 / 53
p0 −0.5206 ± 0.343
pull
Entries 54
Mean −750.9
Std Dev 0

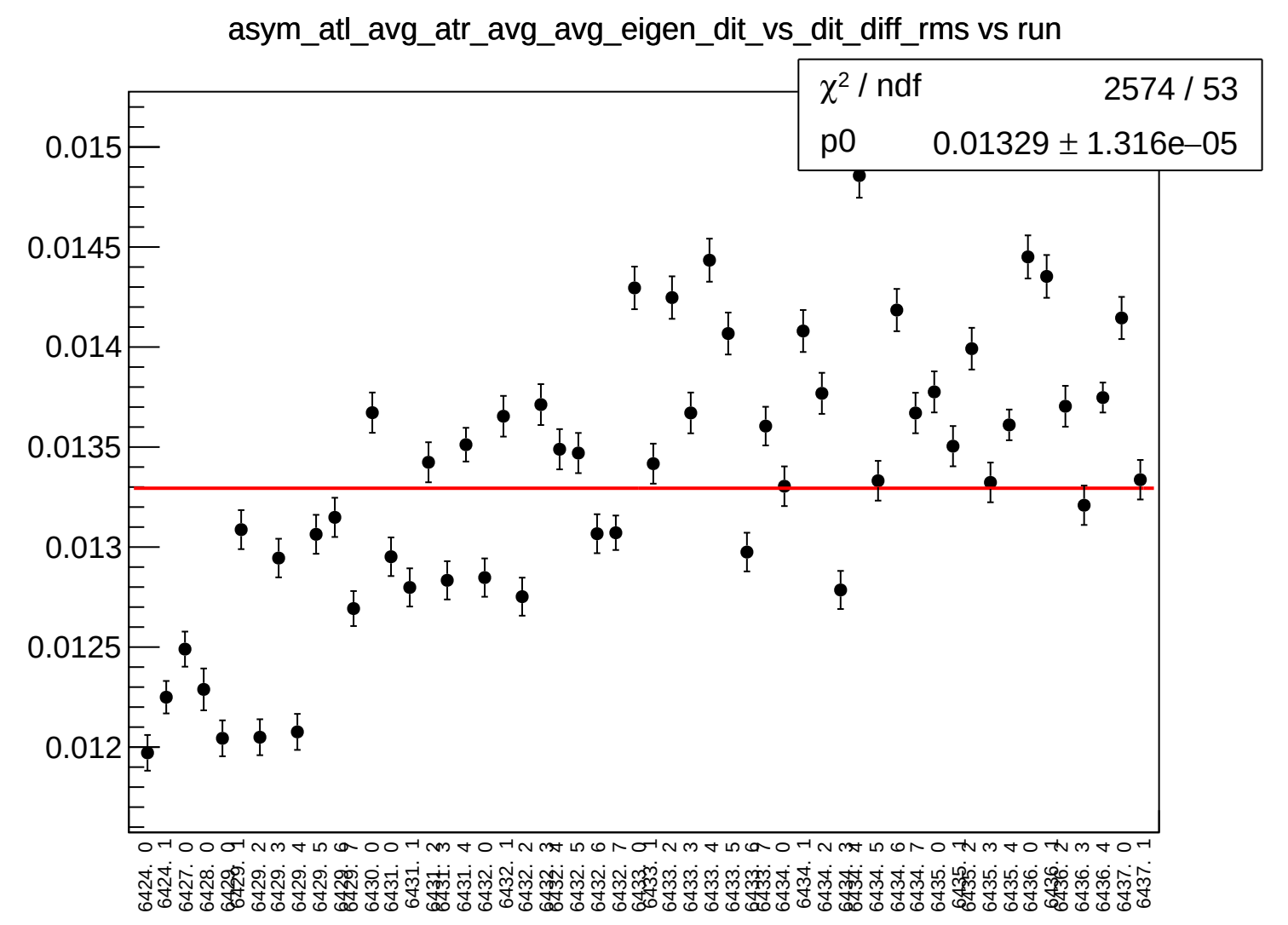

pull1D
Entries 54
Mean 0.005617
Std Dev 1.184

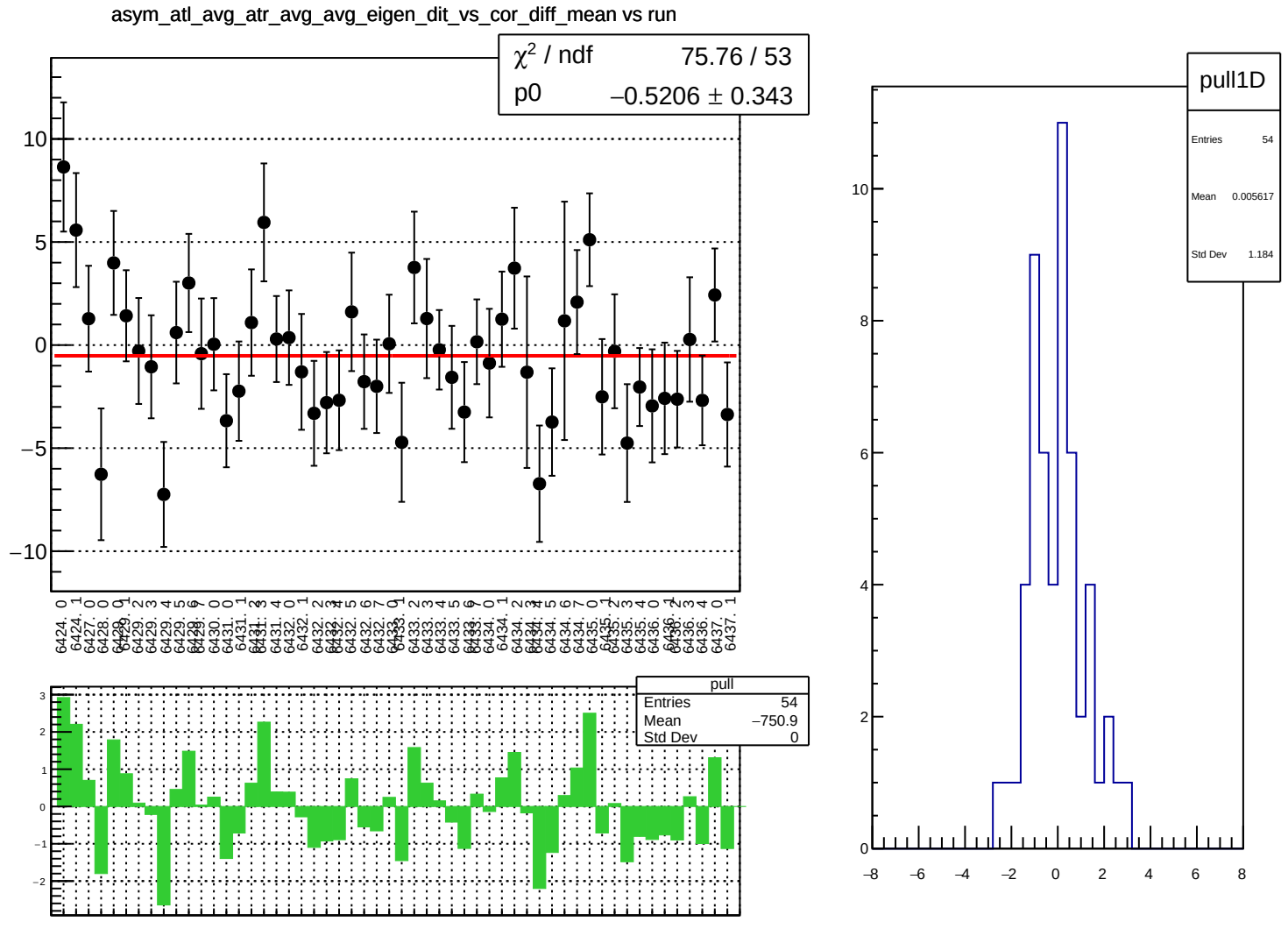

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.991e+04 / 53
p0 242.9 ± 0.2425
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

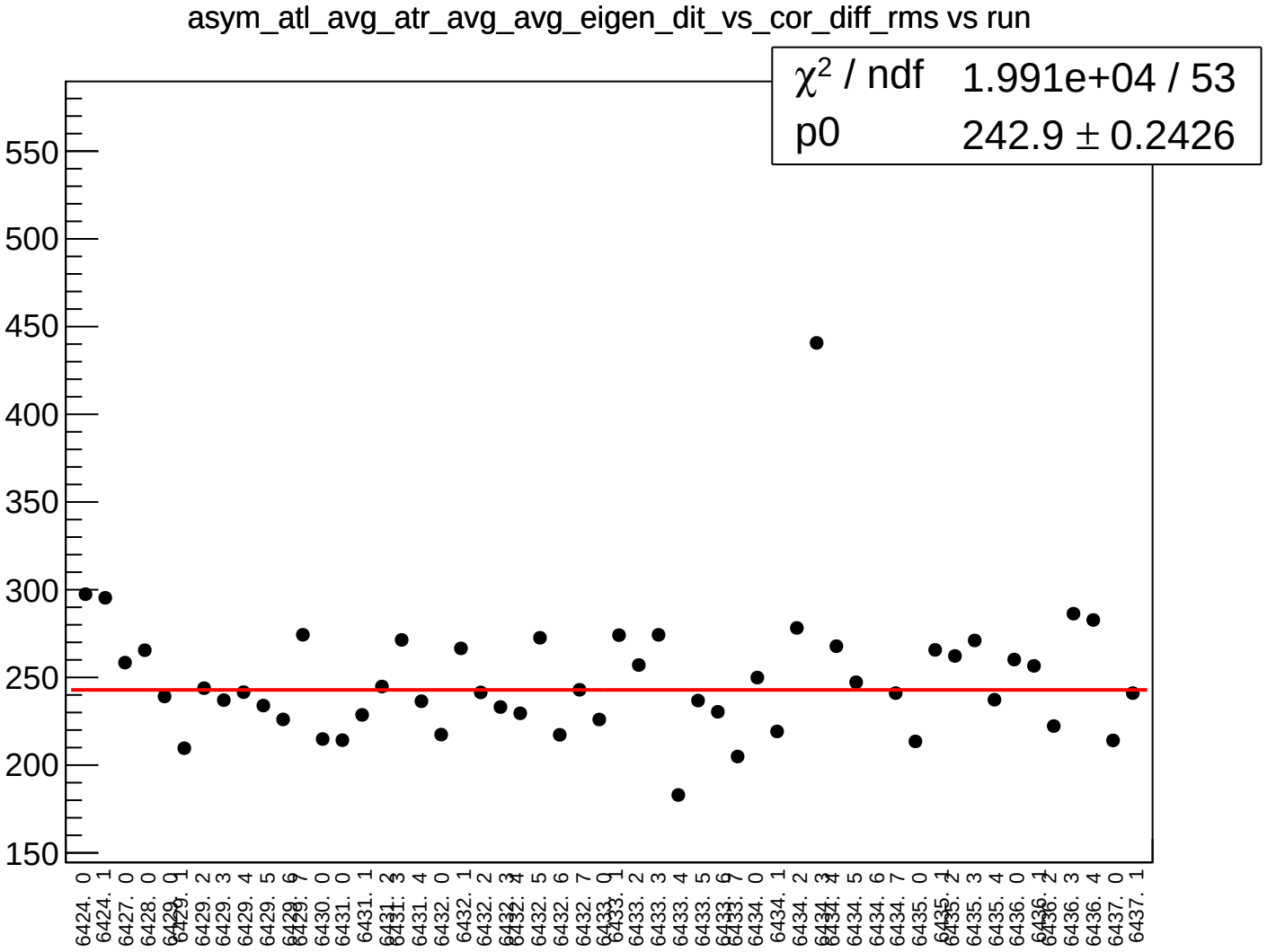

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.76 / 53
p0 −0.5206 ± 0.343
pull
Entries 54
Mean −750.9
Std Dev 0
pull1D
Entries 54
Mean 0.005617
Std Dev 1.184

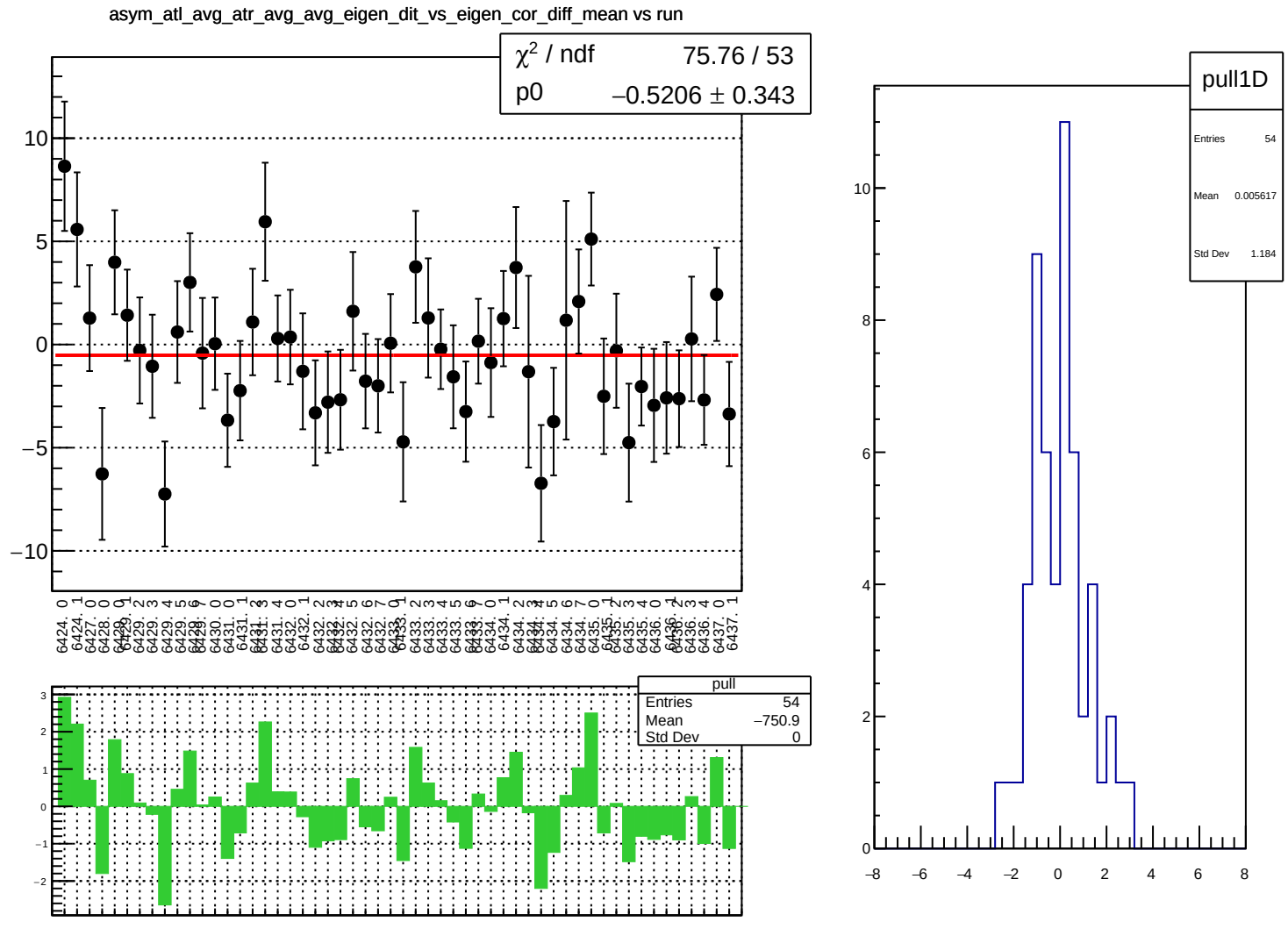

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.991e+04 / 53
p0 242.9 ± 0.2425
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

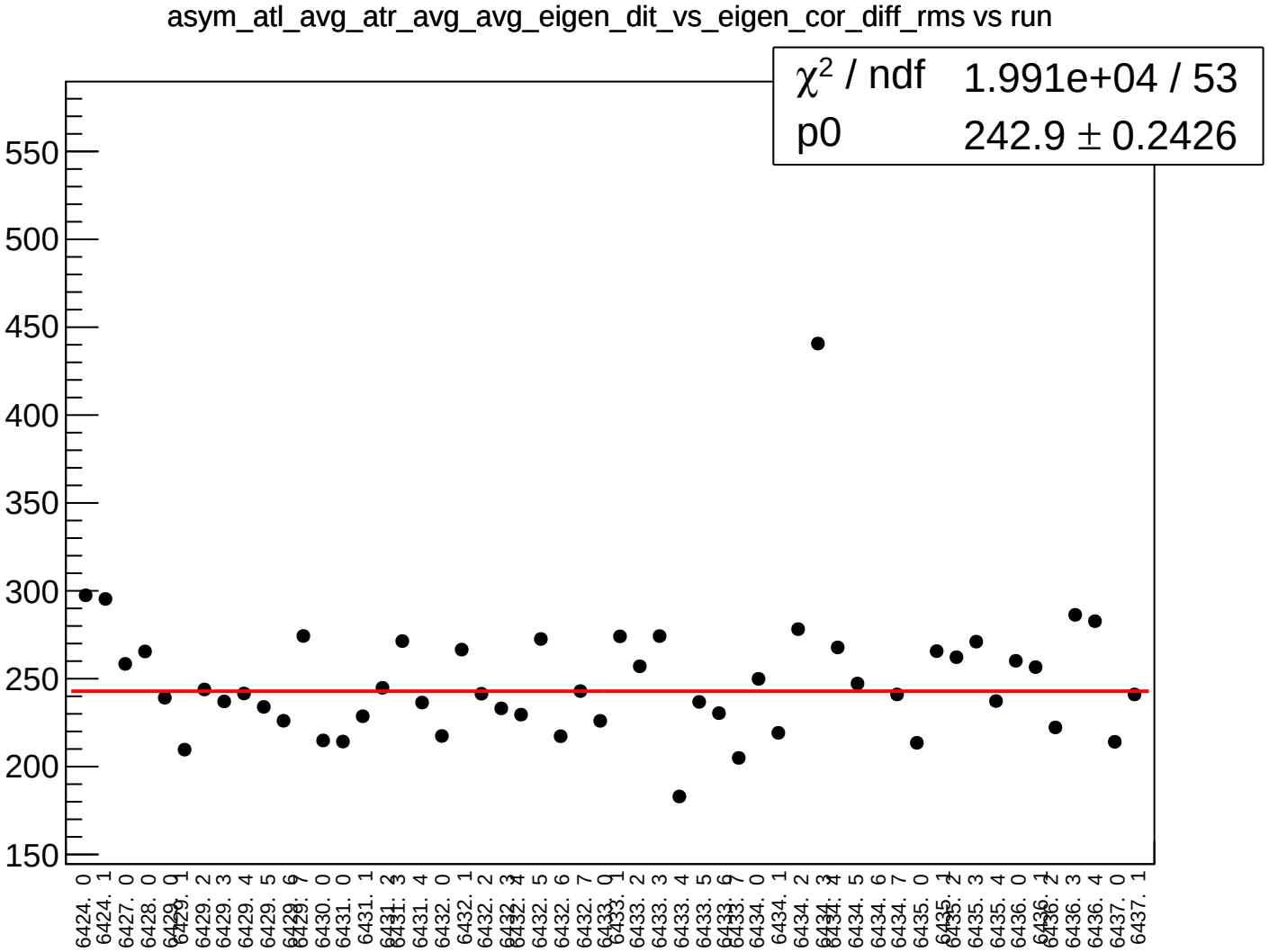

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.3 / 53
p0 −7.992e−06 ± 1.862e−05
pull
Entries 54
Mean −126.1
Std Dev 0
pull1D
Entries 54
Mean −0.005802
Std Dev 1.021

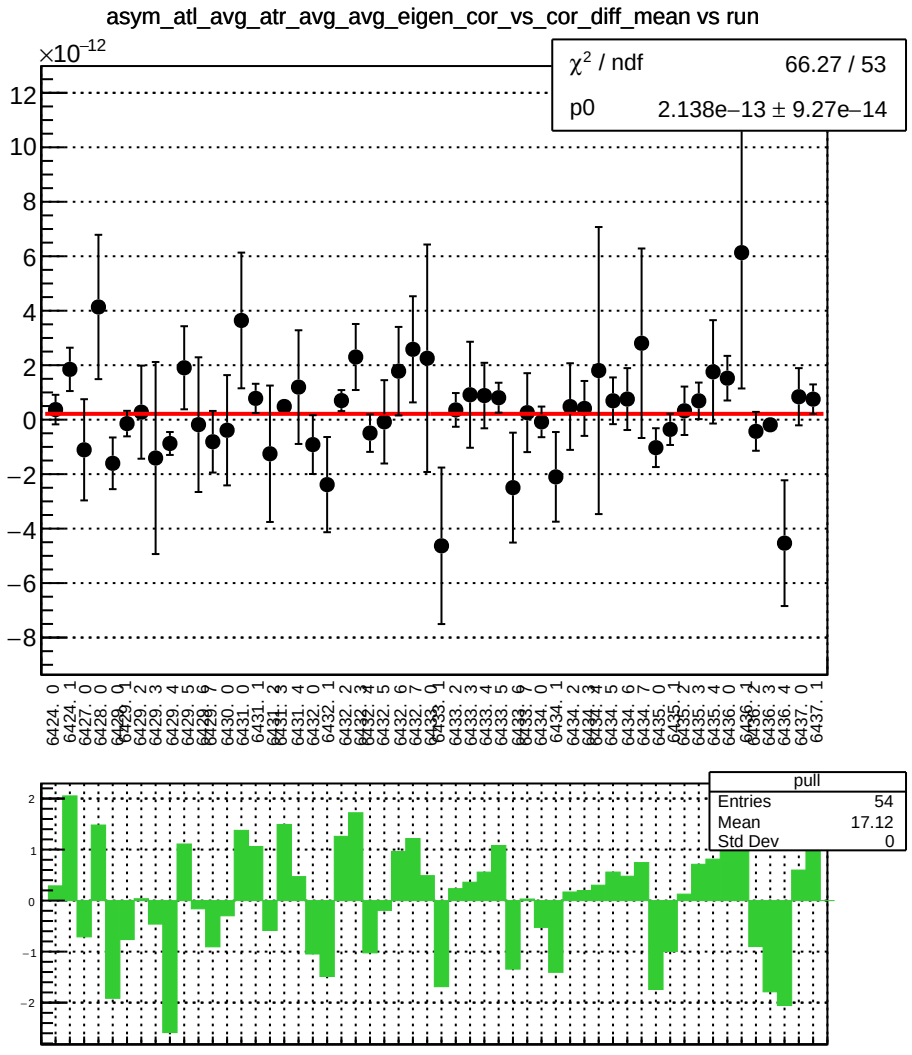

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2574 / 53
p0 0.01329 ± 1.316e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

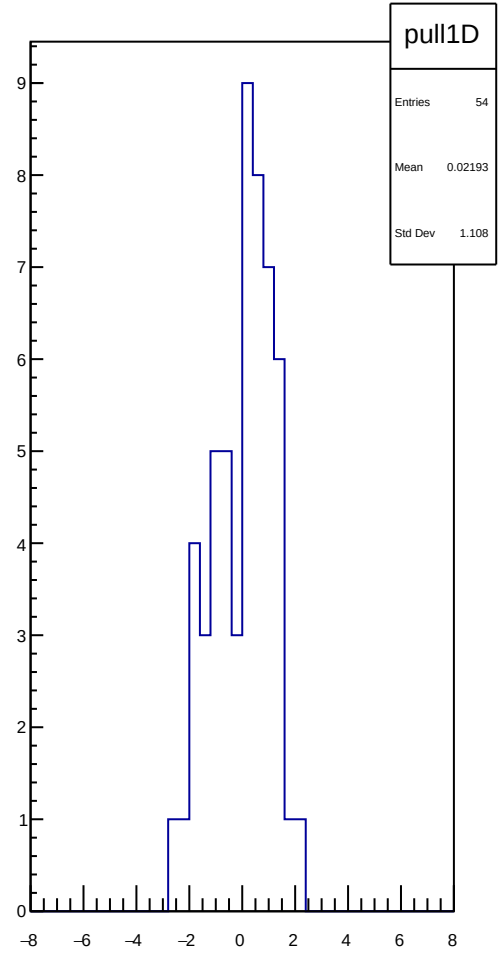

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.76 / 53
p0 −0.5206 ± 0.343
pull
Entries 54
Mean −750.9
Std Dev 0
pull1D
Entries 54
Mean 0.005617
Std Dev 1.184

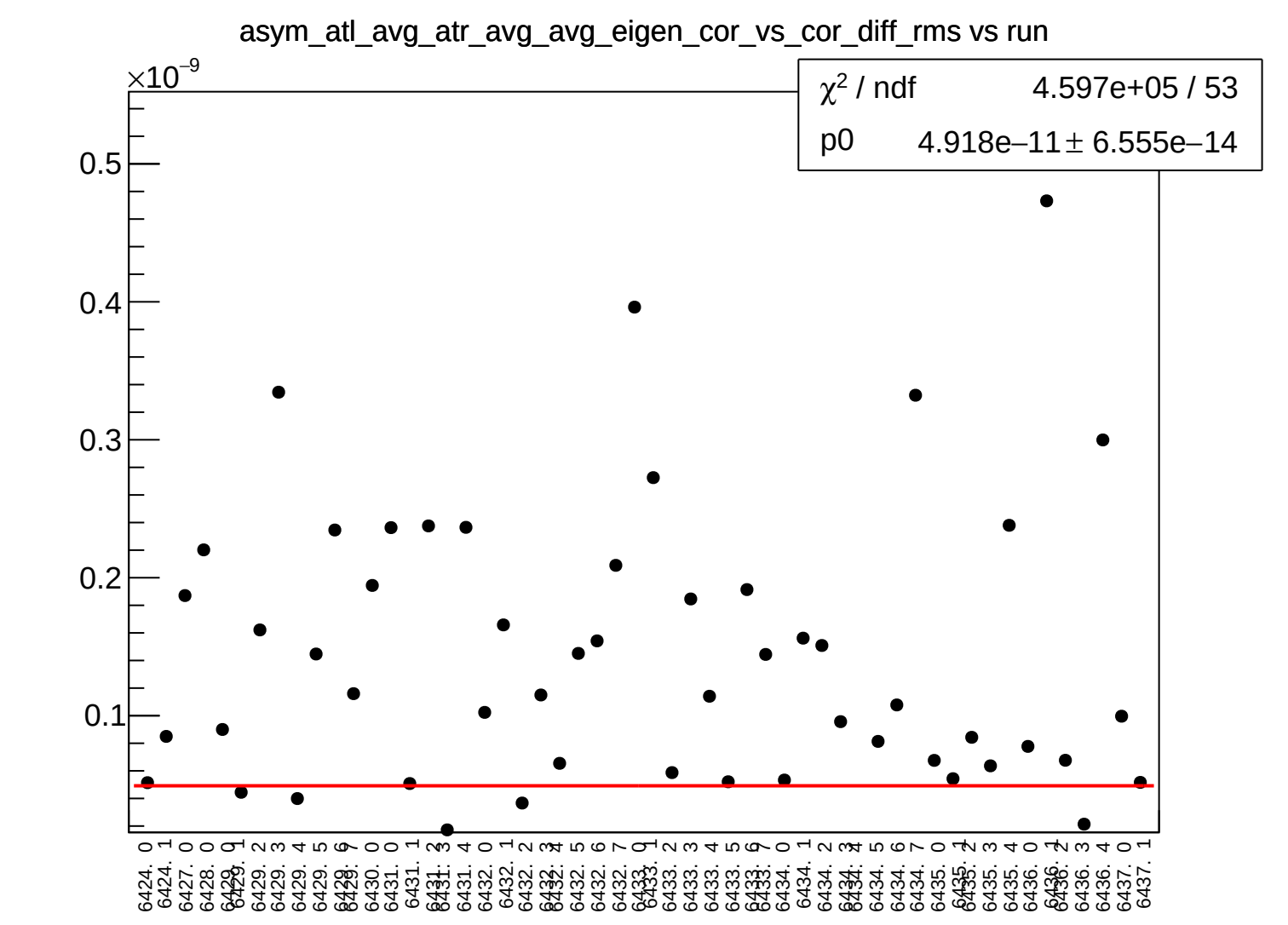

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.991e+04 / 53
p0 242.9 ± 0.2426
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

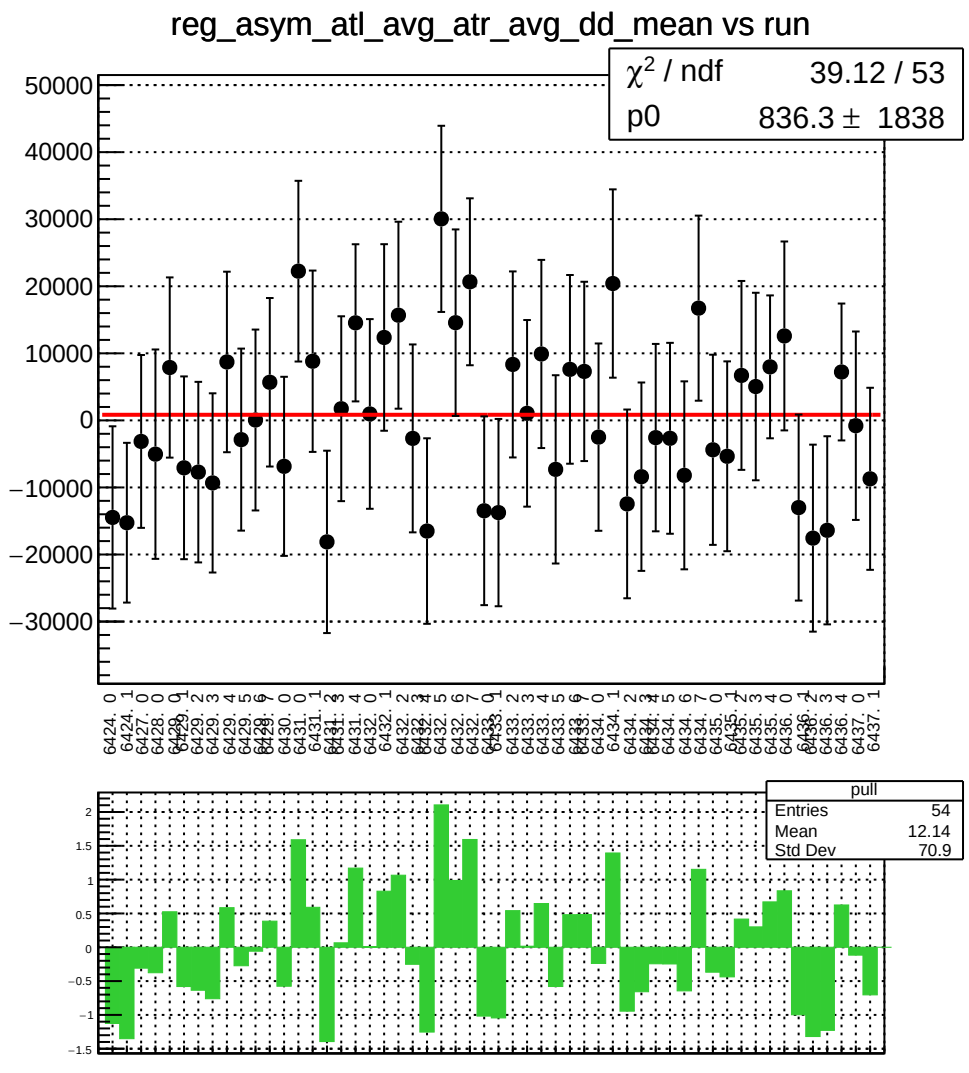

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.76 / 53
p0 −0.5206 ± 0.343
pull
Entries 54
Mean −750.9
Std Dev 0
pull1D
Entries 54
Mean 0.005617
Std Dev 1.184

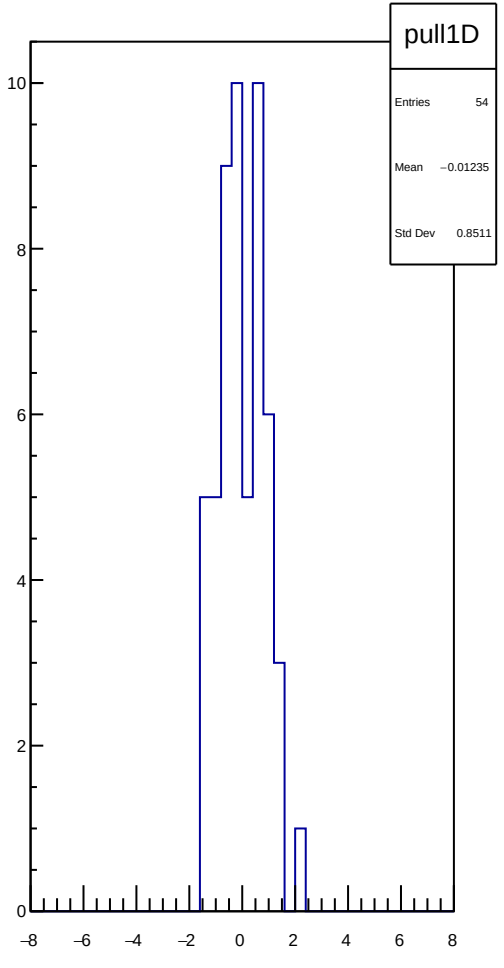

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.991e+04 / 53
p0 242.9 ± 0.2426
550
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

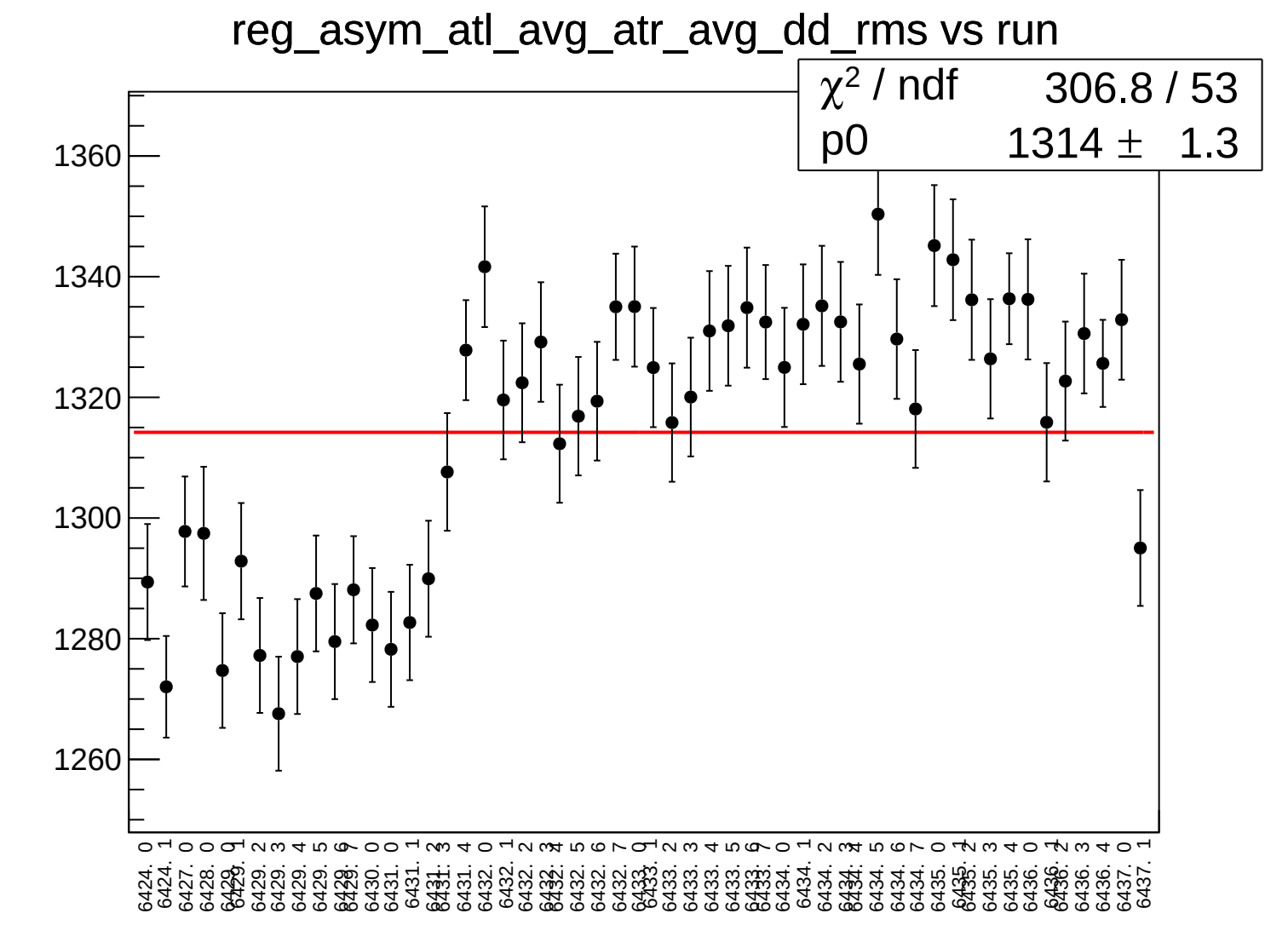

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.27 / 53
p0 2.138e−13 ± 9.27e−14
pull
Entries 54
Mean 17.12
Std Dev 0

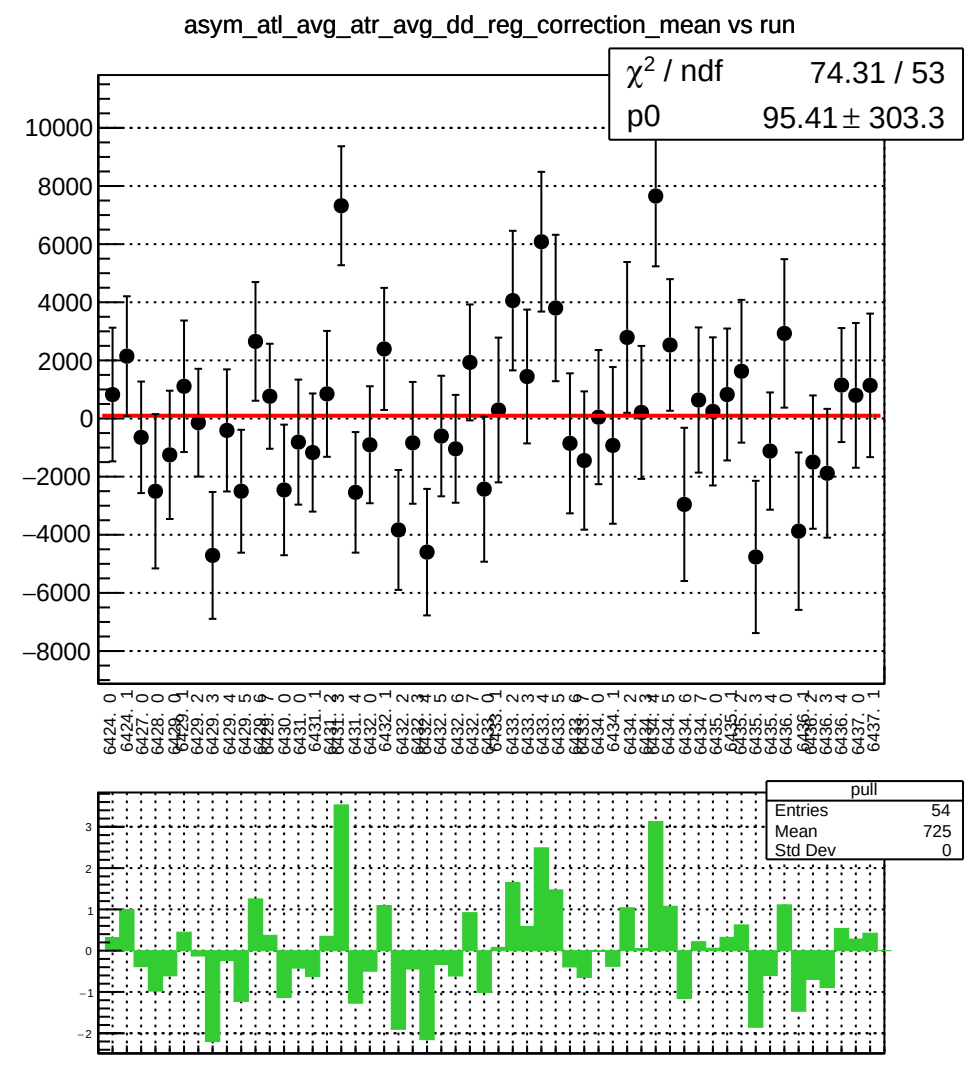

pull1D
Entries 54
Mean 0.02193
Std Dev 1.108

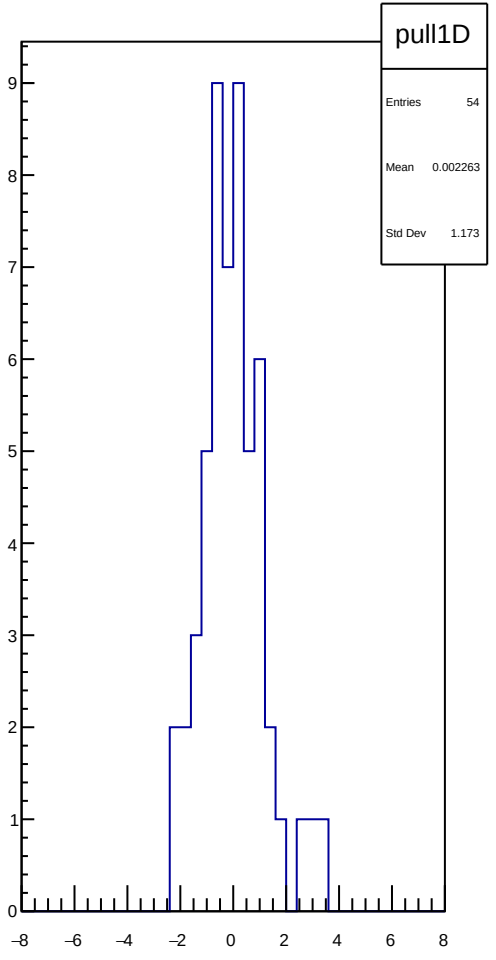

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.597e+05 / 53
p0 4.918e−11 ± 6.555e−14
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

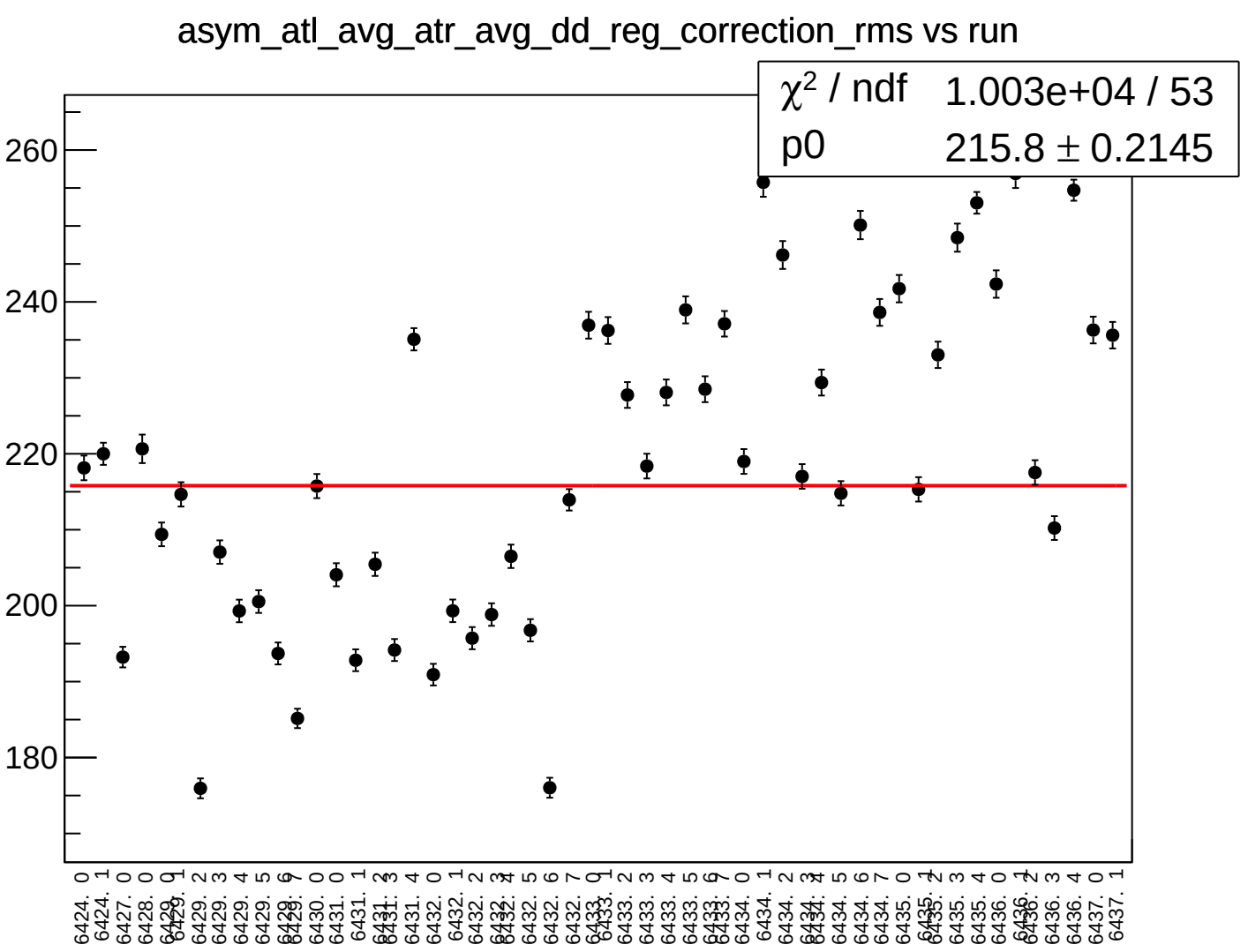

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.12 / 53
p0 836.3 ± 1838
pull
Entries 54
Mean 12.14
Std Dev 70.9

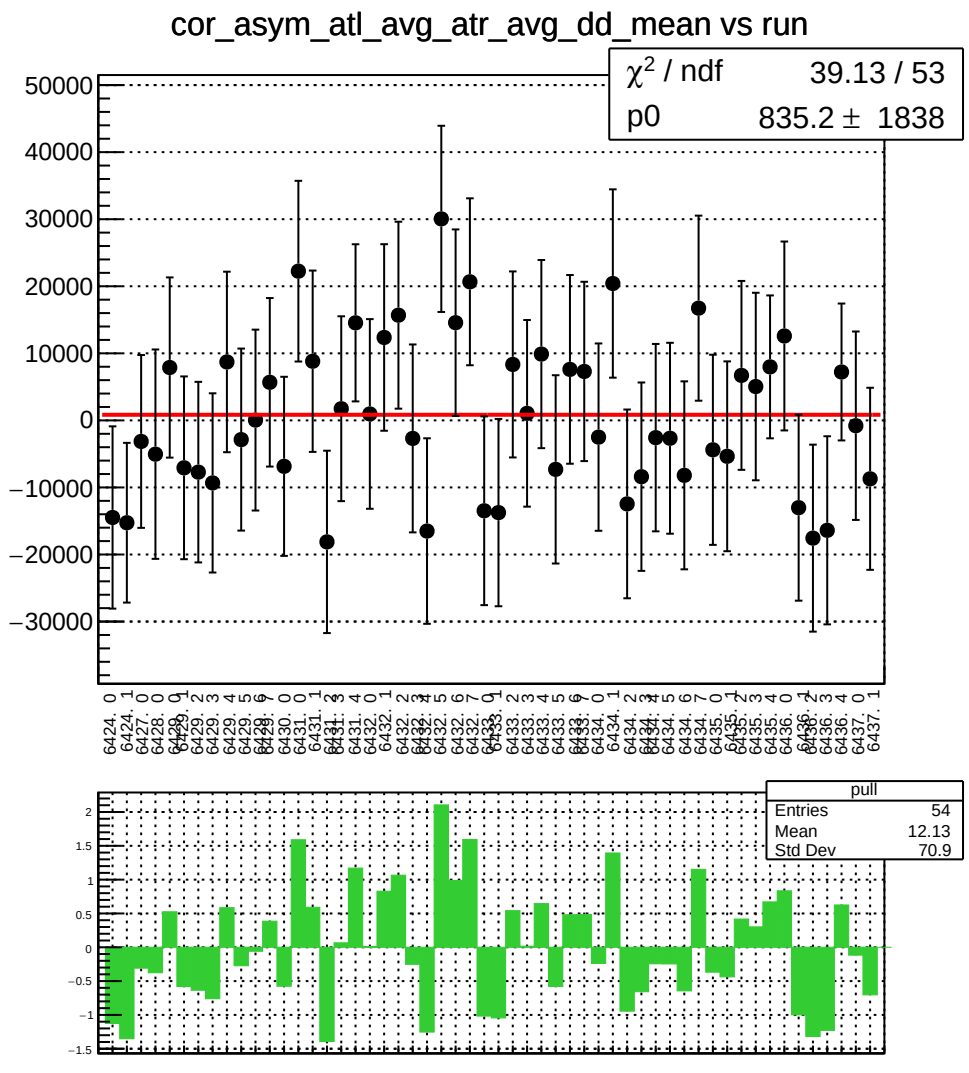

pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511

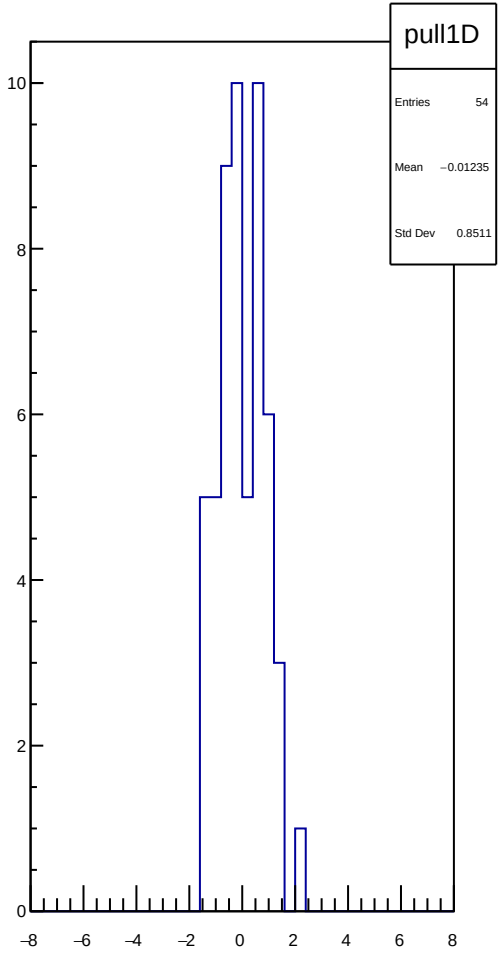

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

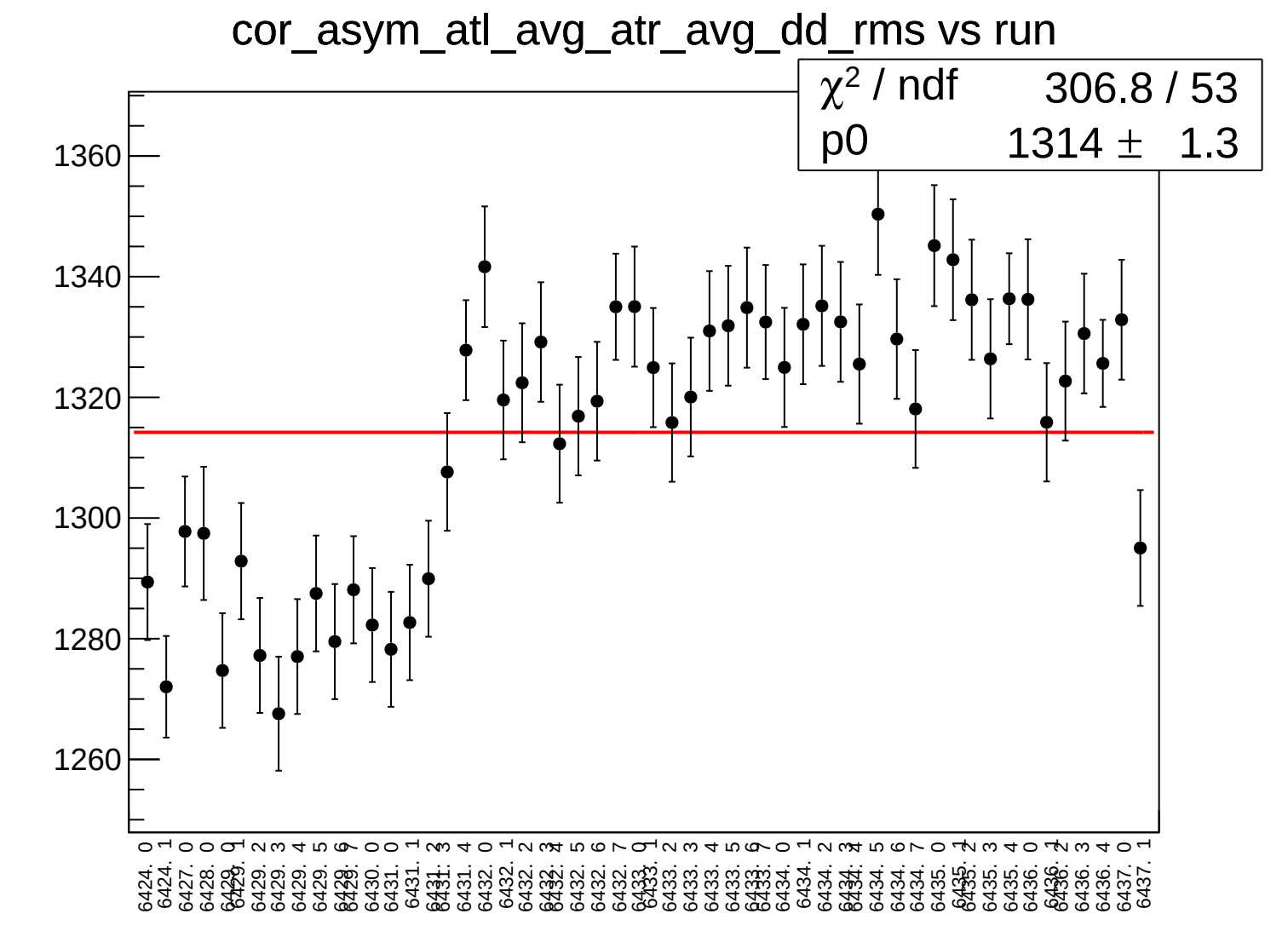

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 74.31 / 53
p0 95.41 ± 303.3
pull
Entries 54
Mean 725
Std Dev 0

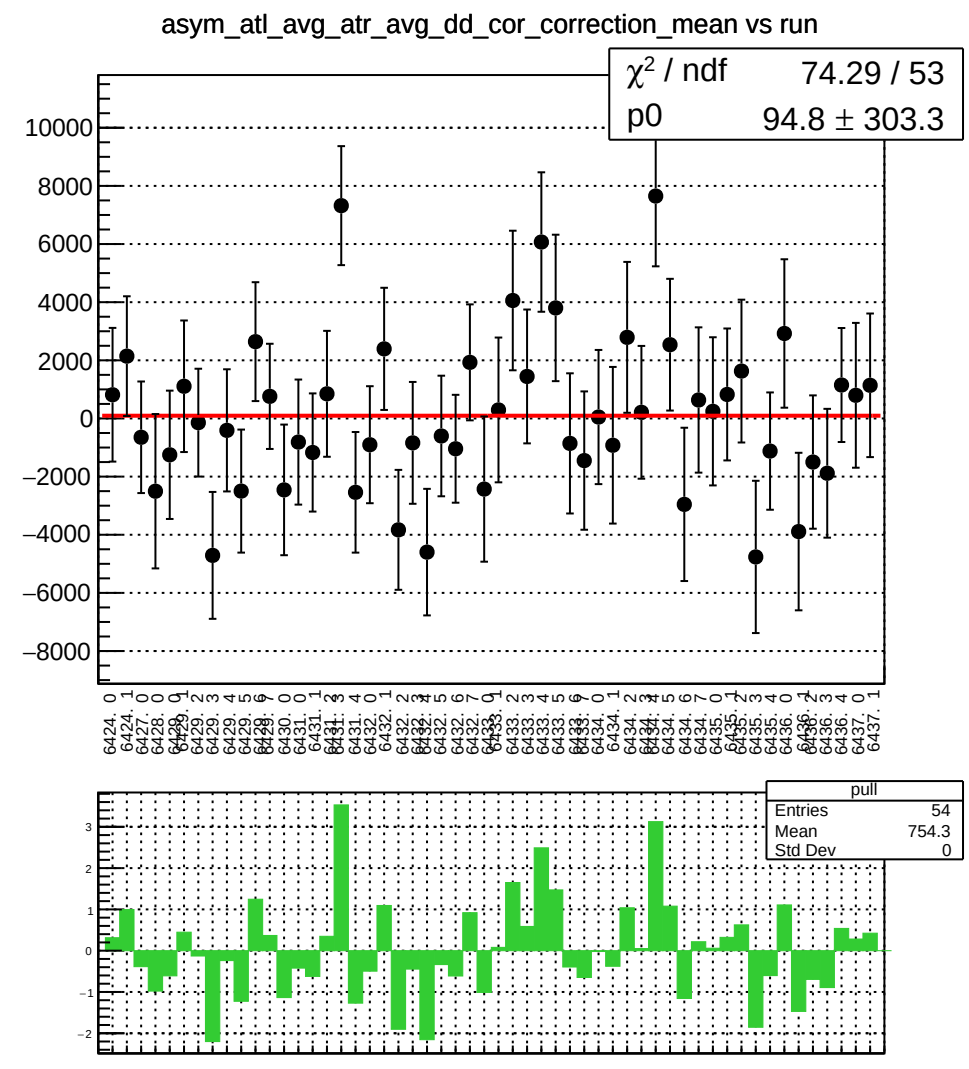

pull1D
Entries 54
Mean 0.002263
Std Dev 1.173

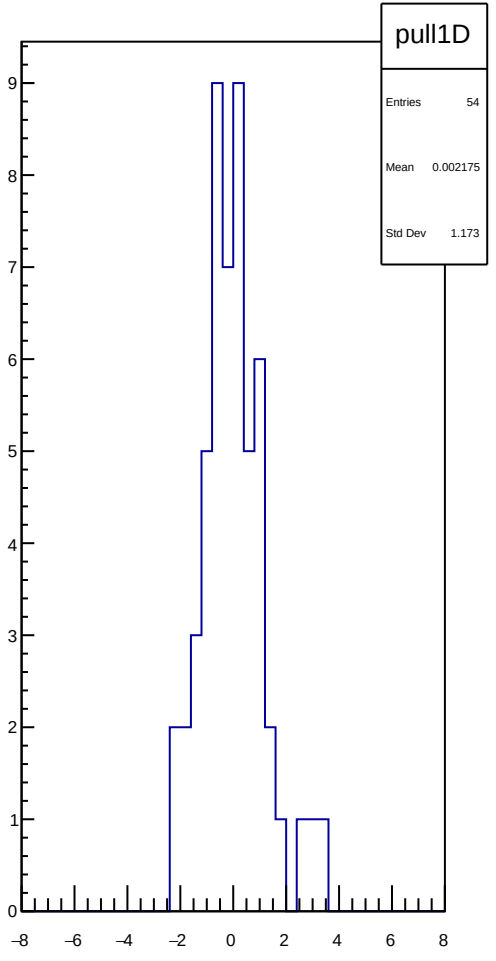

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.003e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

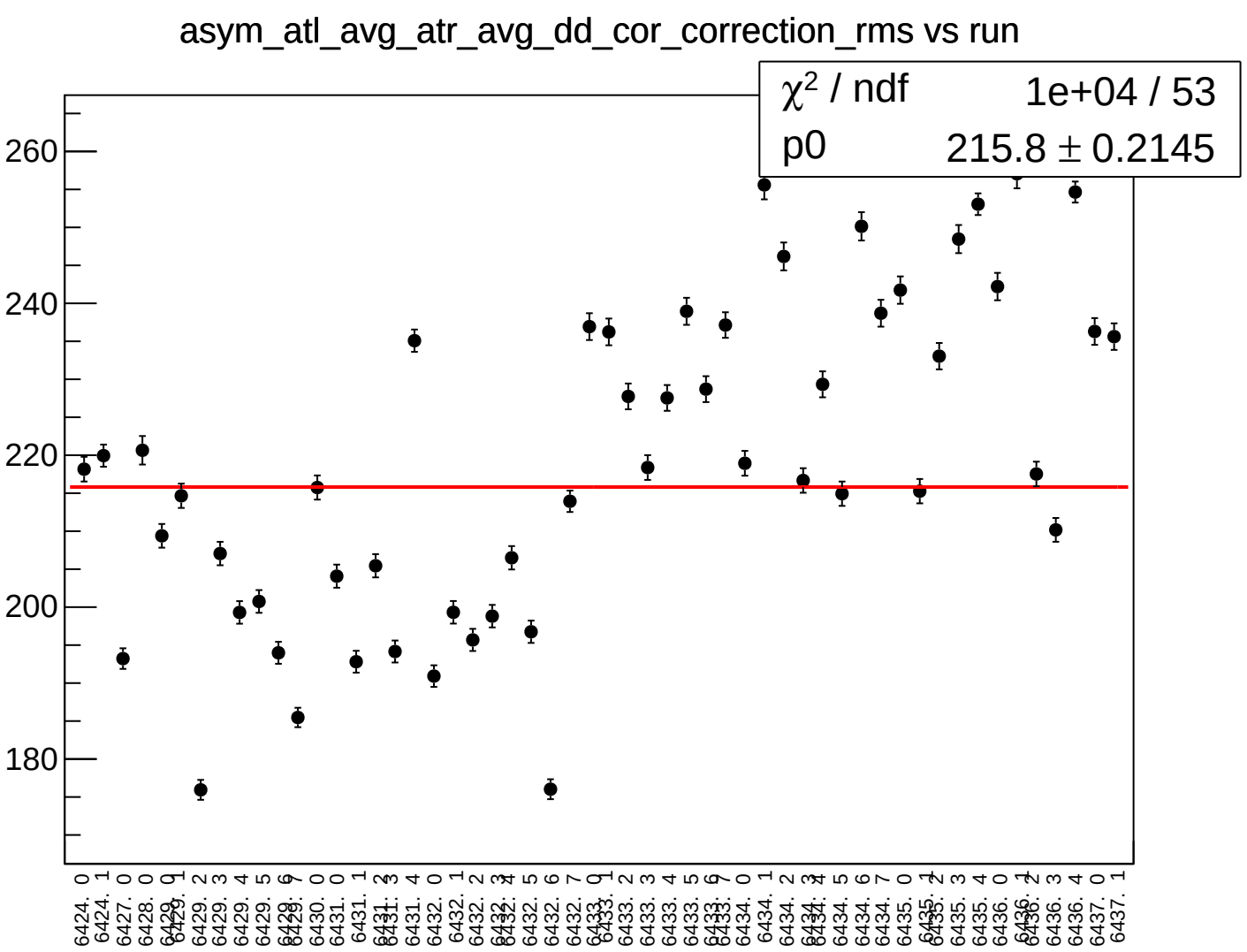

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.13 / 53
p0 835.2 ± 1838
pull
Entries 54
Mean 12.13
Std Dev 70.9

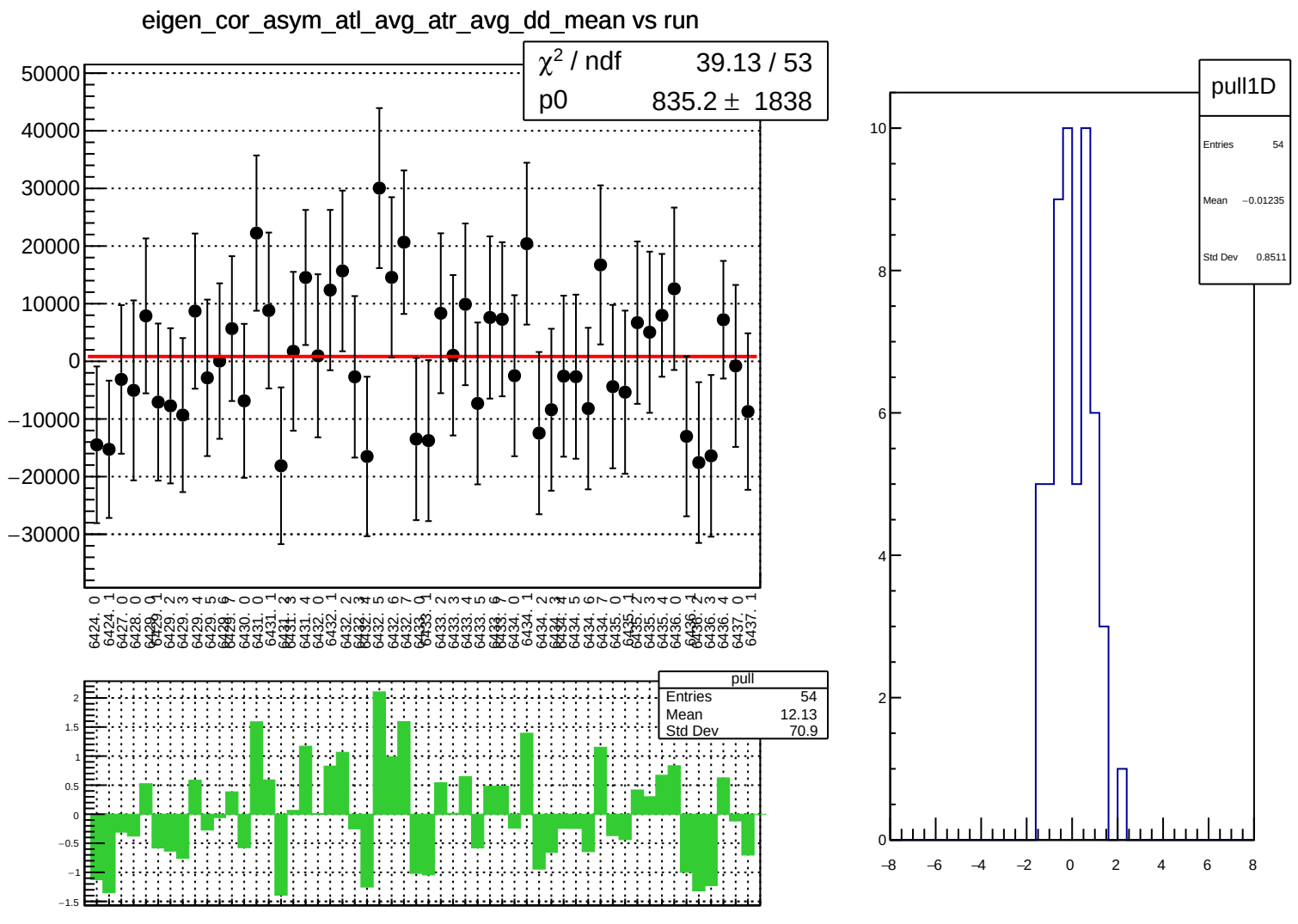

pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511

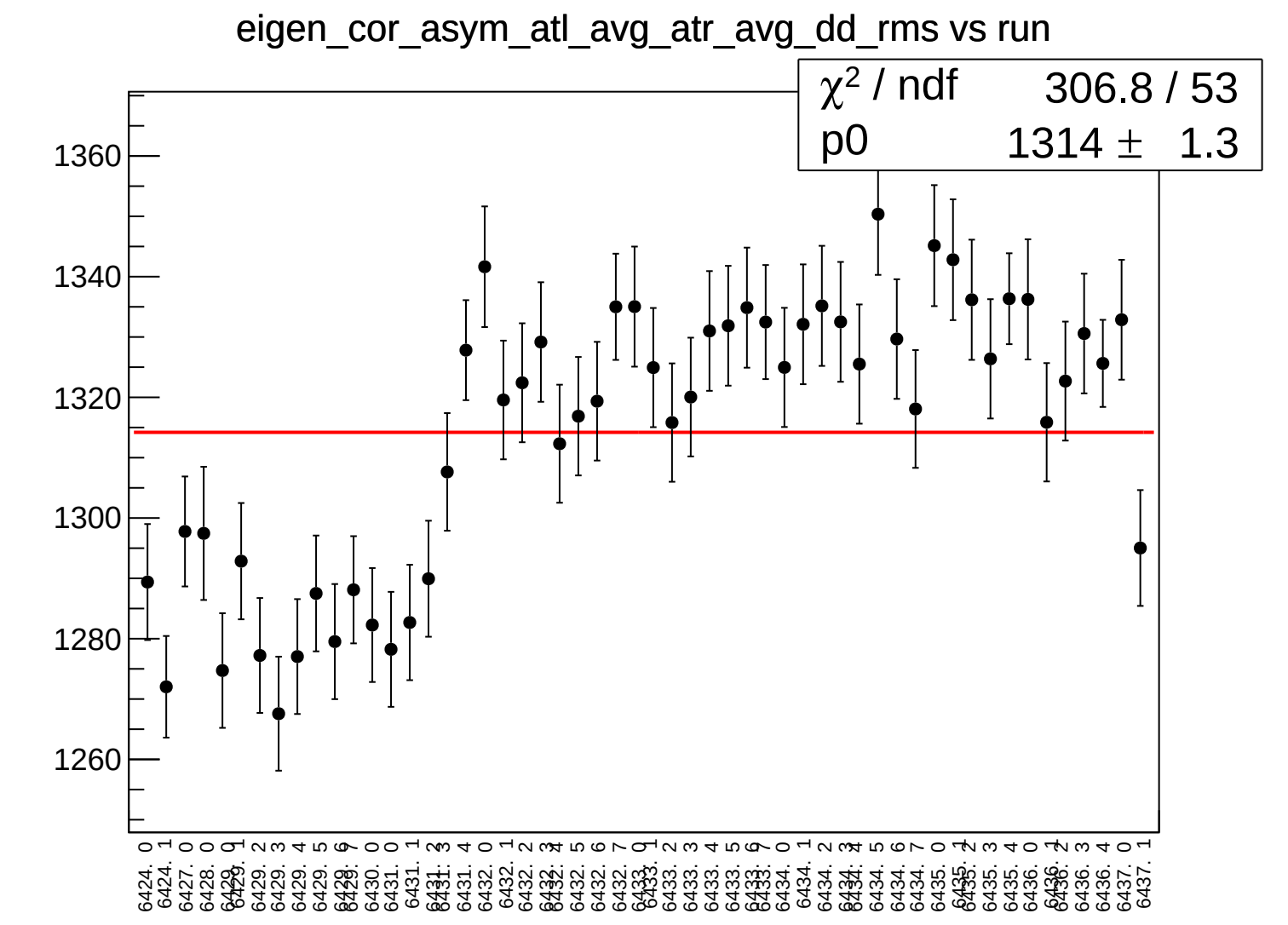

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

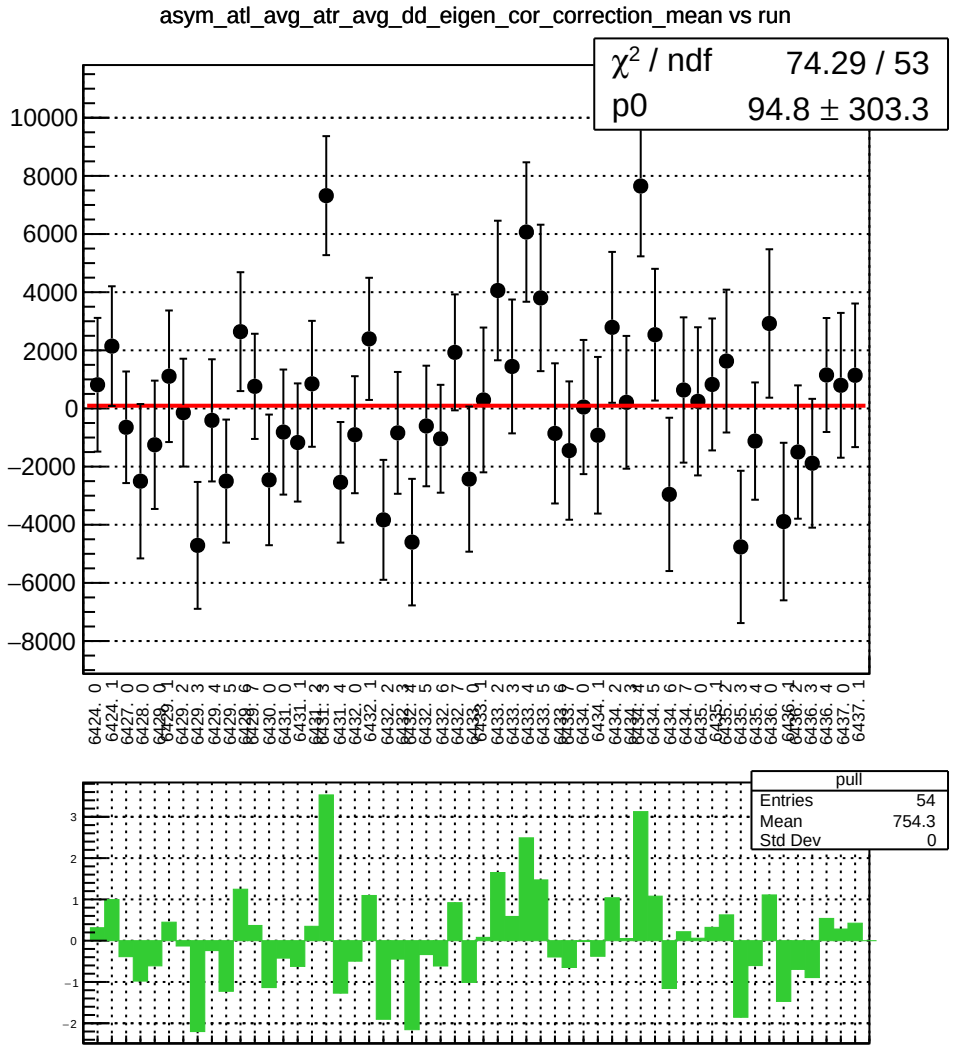

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 74.29 / 53
p0 94.8 ± 303.3
pull
Entries 54
Mean 754.3
Std Dev 0

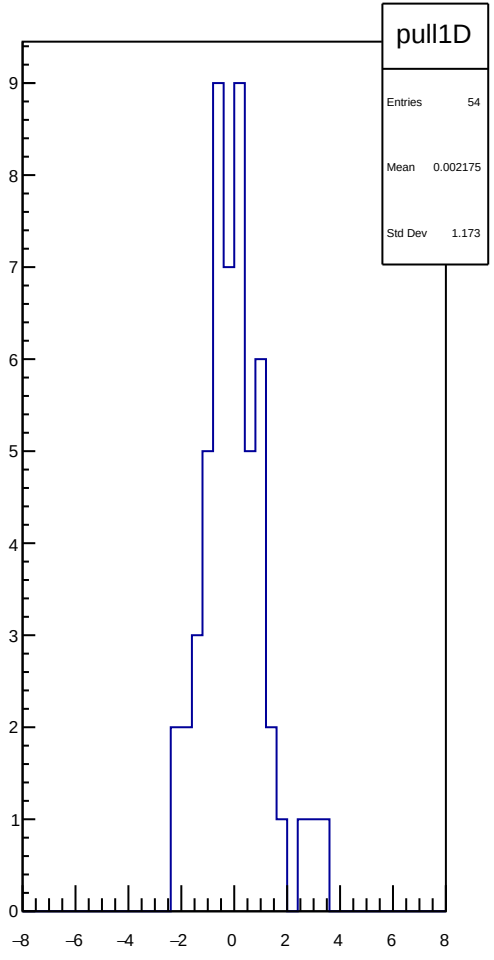

pull1D
Entries 54
Mean 0.002175
Std Dev 1.173

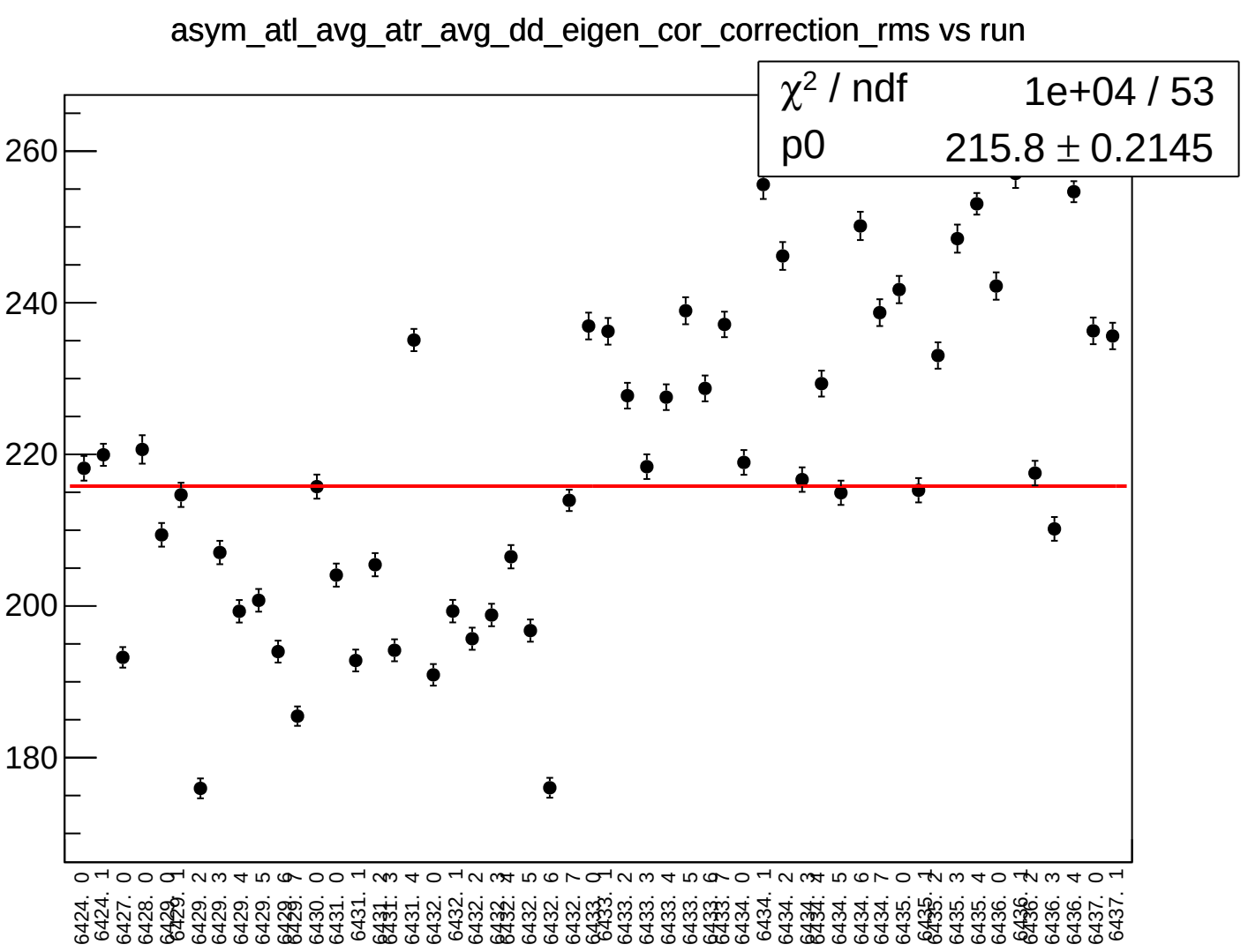

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

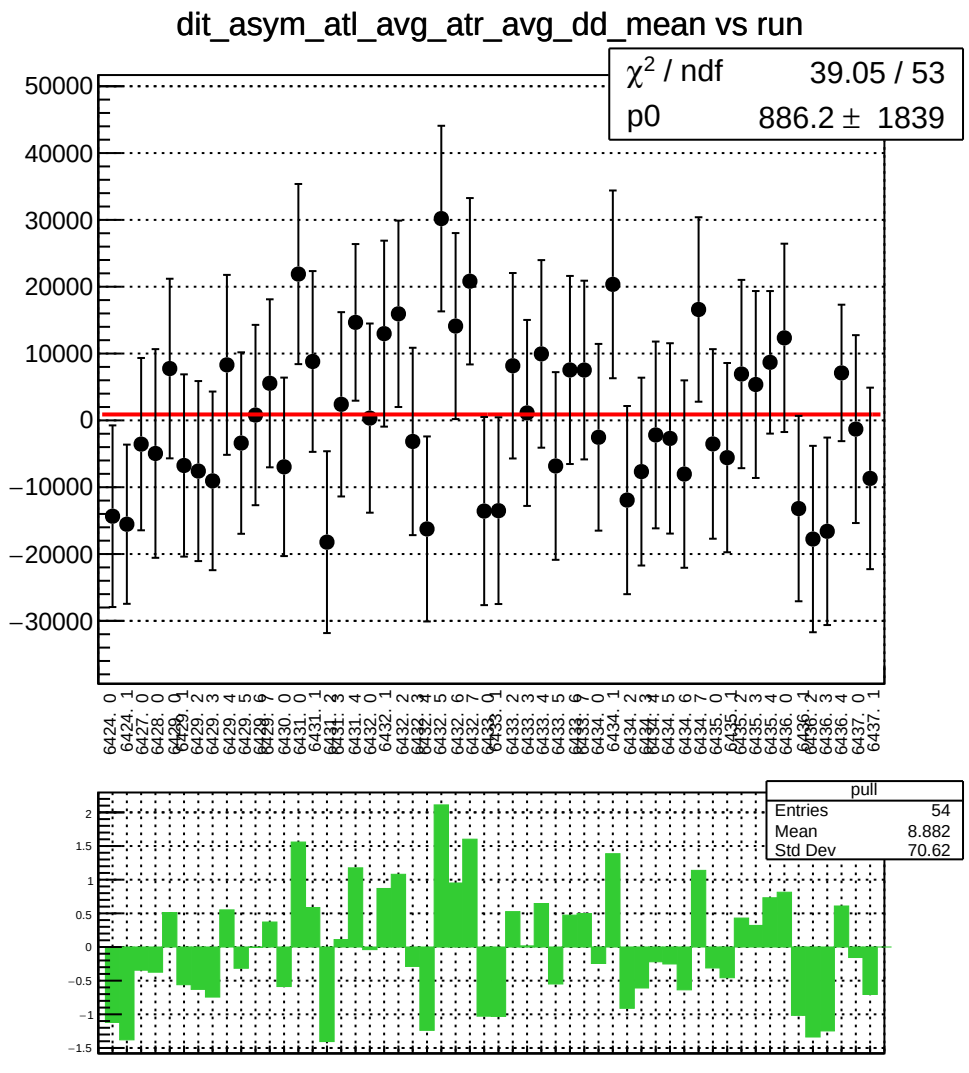

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.13 / 53
p0 835.2 ± 1838
pull
Entries 54
Mean 12.13
Std Dev 70.9
pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511

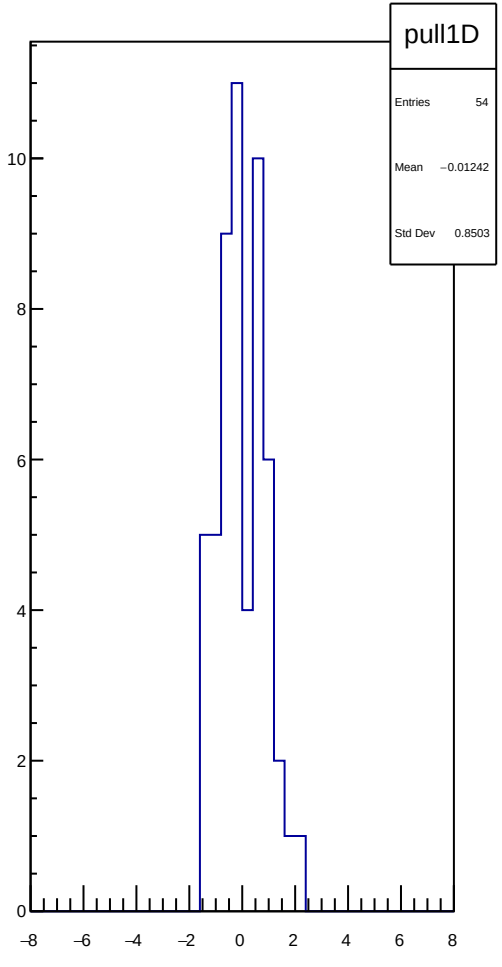

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

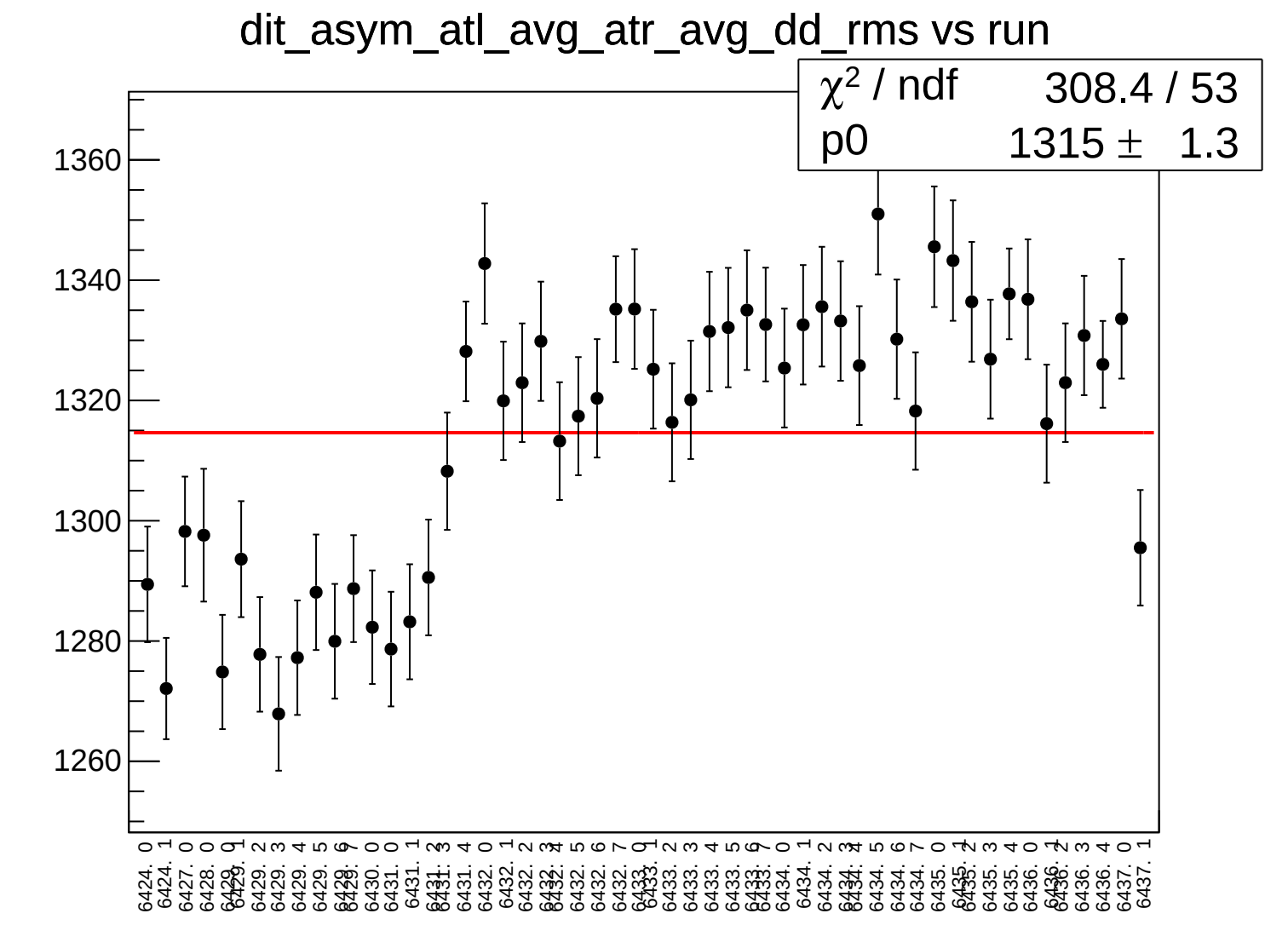

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.29 / 53
p0 94.8 ± 303.3
pull
Entries 54
Mean 754.3
Std Dev 0

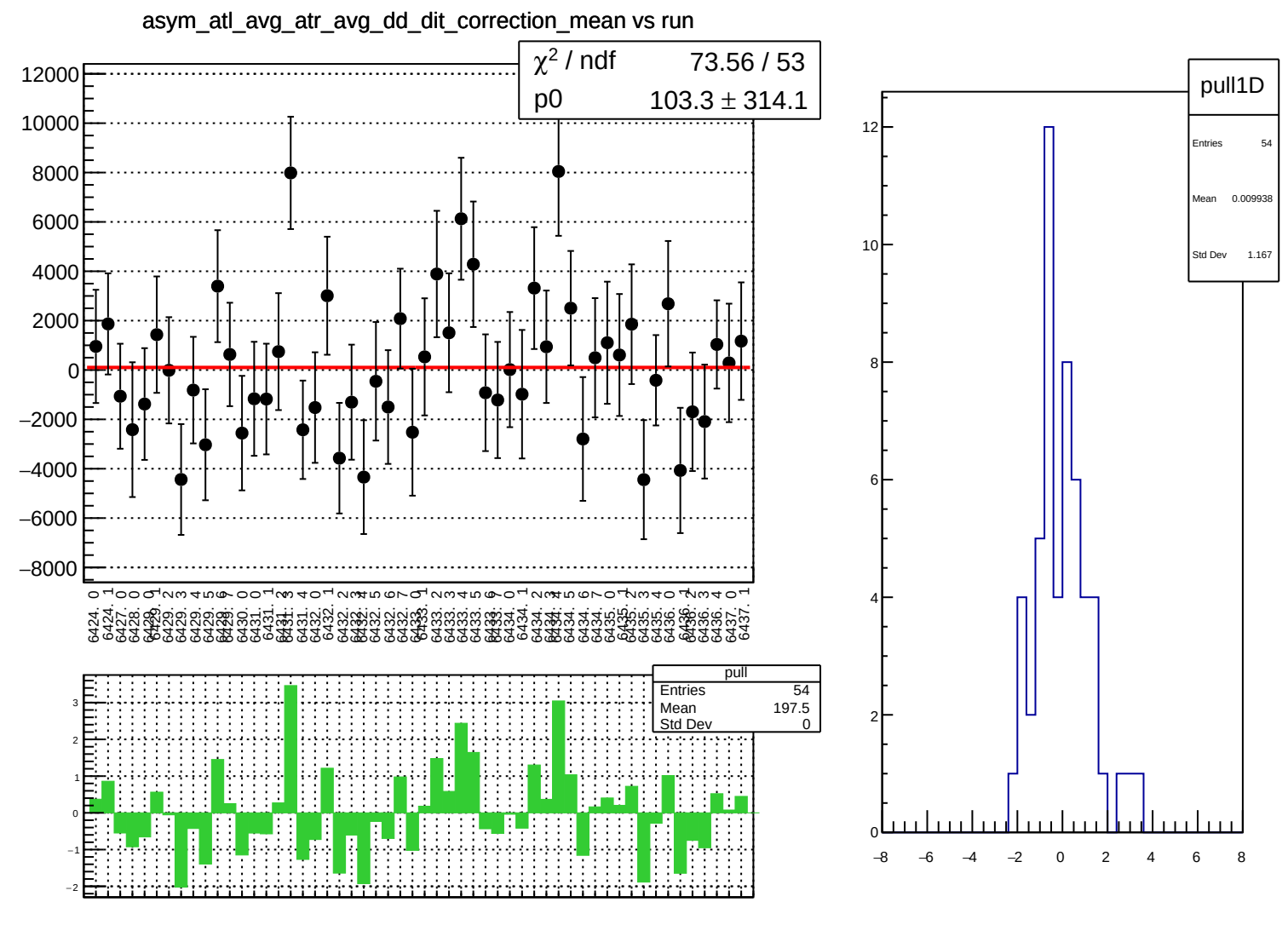

pull1D
Entries 54
Mean 0.002175
Std Dev 1.173

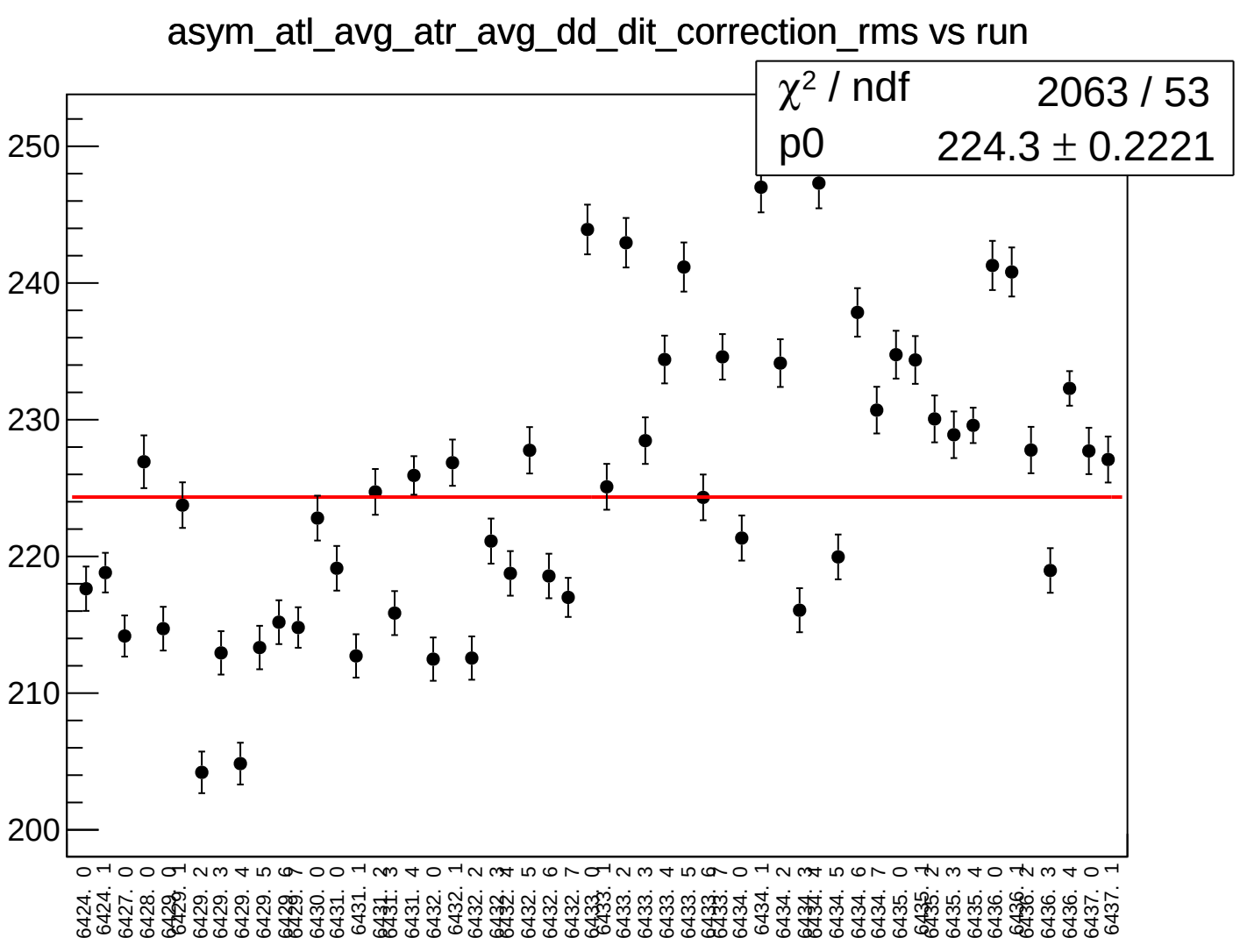

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

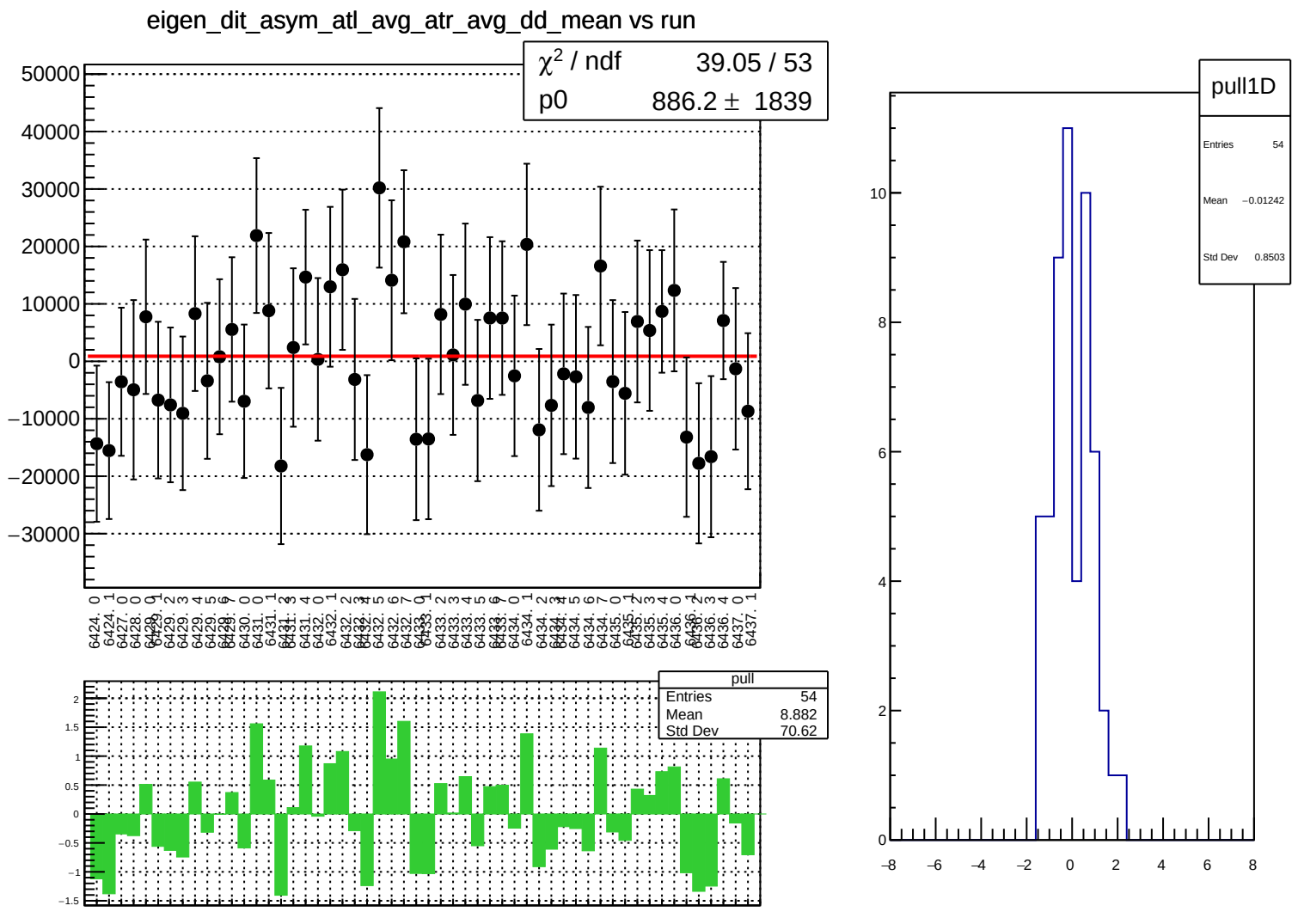

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.05 / 53
p0 886.2 ± 1839
pull
Entries 54
Mean 8.882
Std Dev 70.62

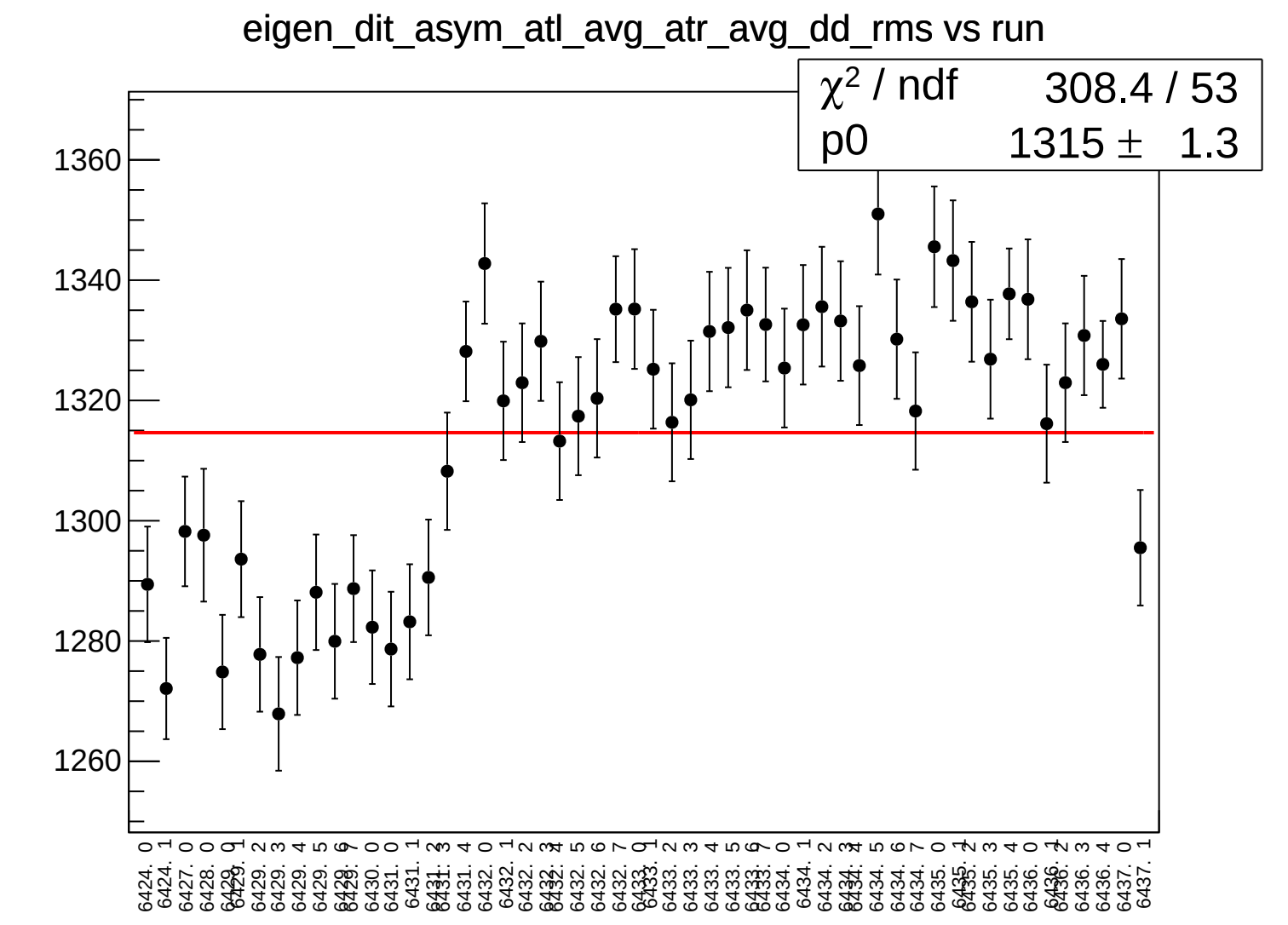

pull1D
Entries 54
Mean −0.01242
Std Dev 0.8503

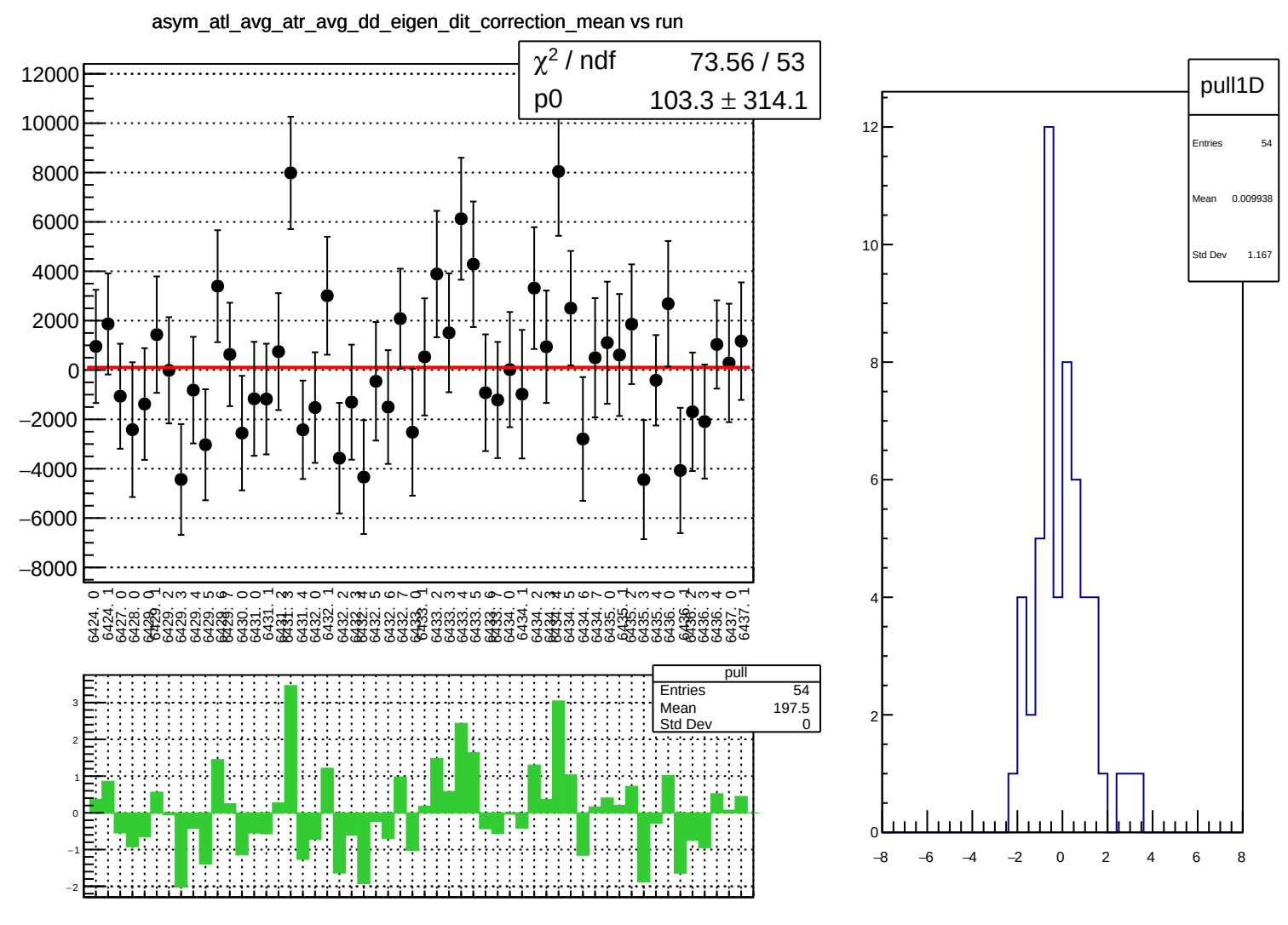

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 308.4 / 53
p0 1315 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

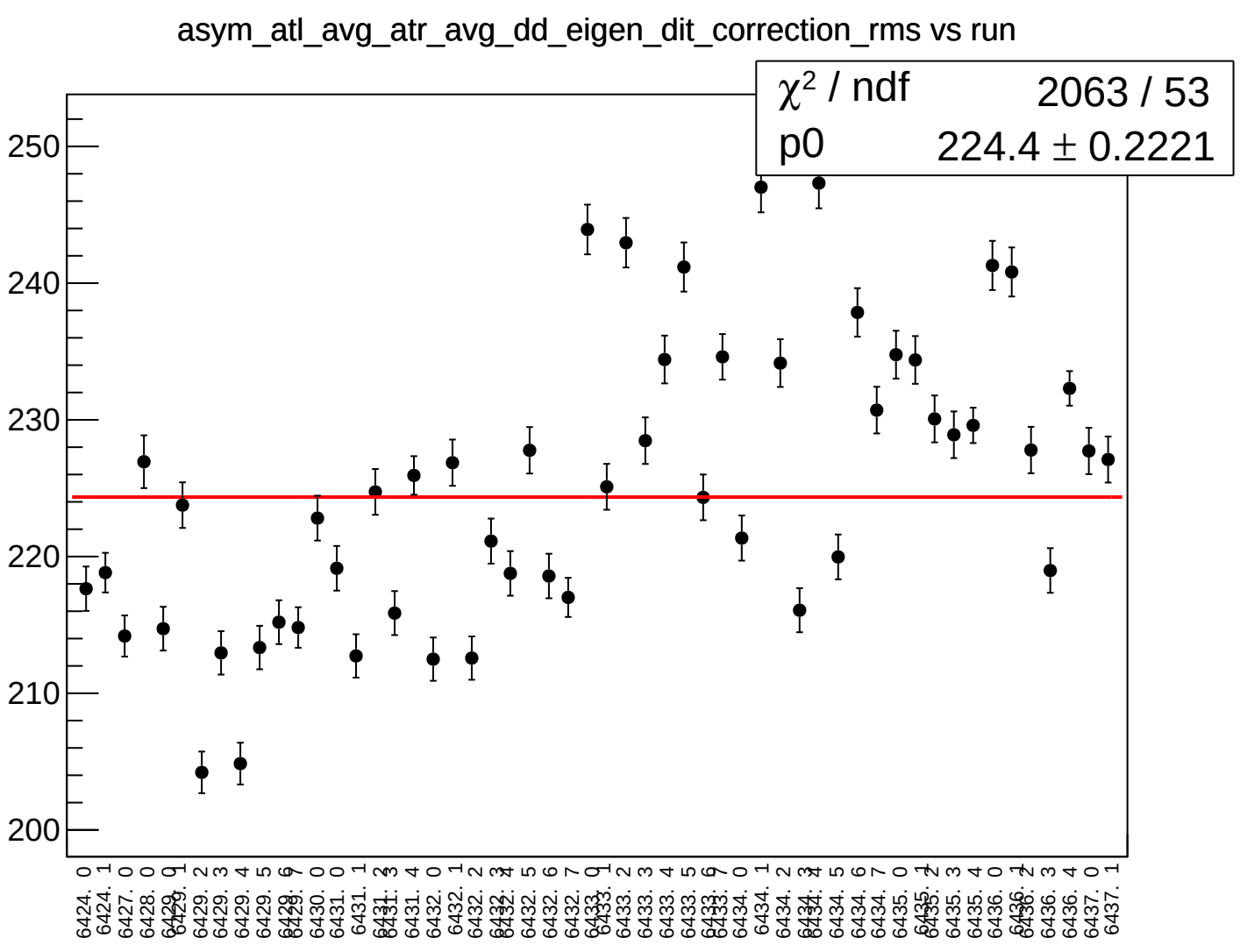

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 73.56 / 53
p0 103.3 ± 314.1
pull
Entries 54
Mean 197.5
Std Dev 0
pull1D
Entries 54
Mean 0.009938
Std Dev 1.167

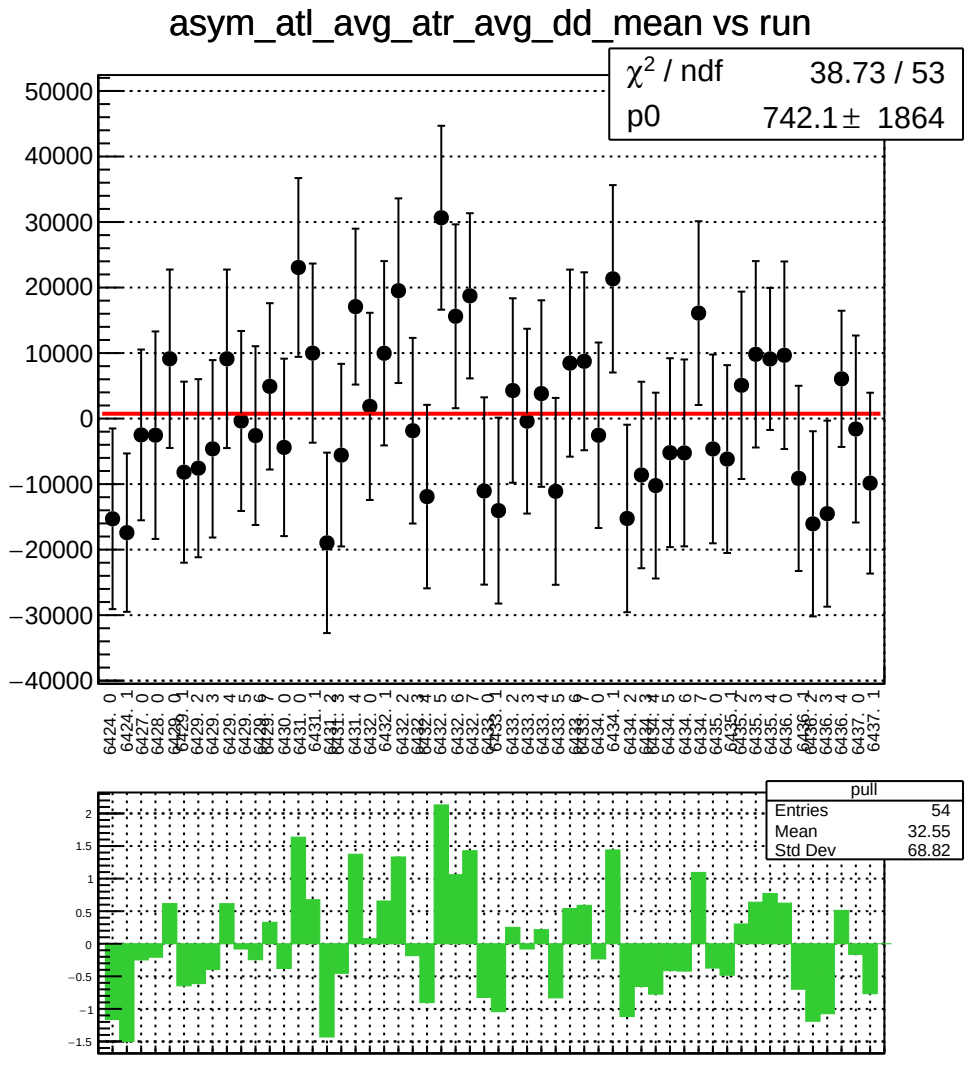

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 2063 / 53
p0 224.3 ± 0.2221
250
240
230
220
210
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

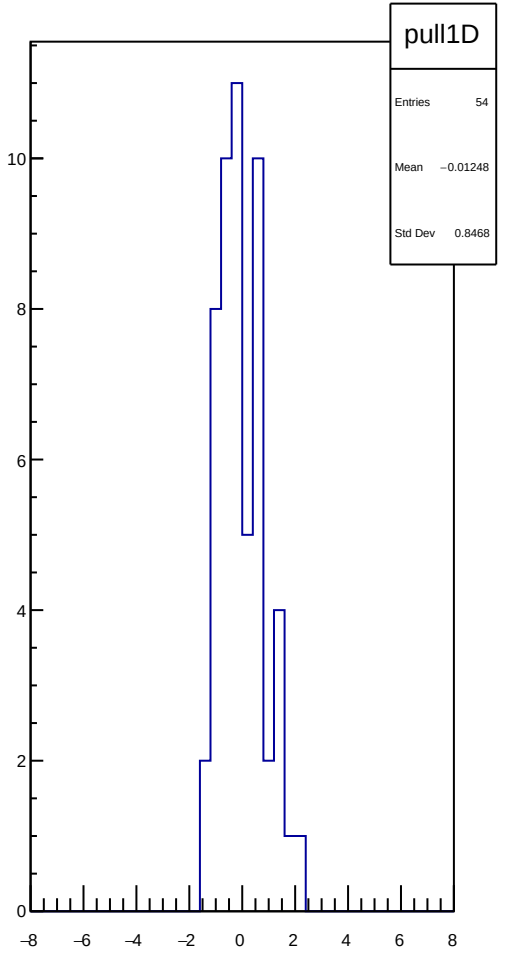

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.05 / 53
p0 886.2 ± 1839
pull
Entries 54
Mean 8.882
Std Dev 70.62
pull1D
Entries 54
Mean −0.01242
Std Dev 0.8503

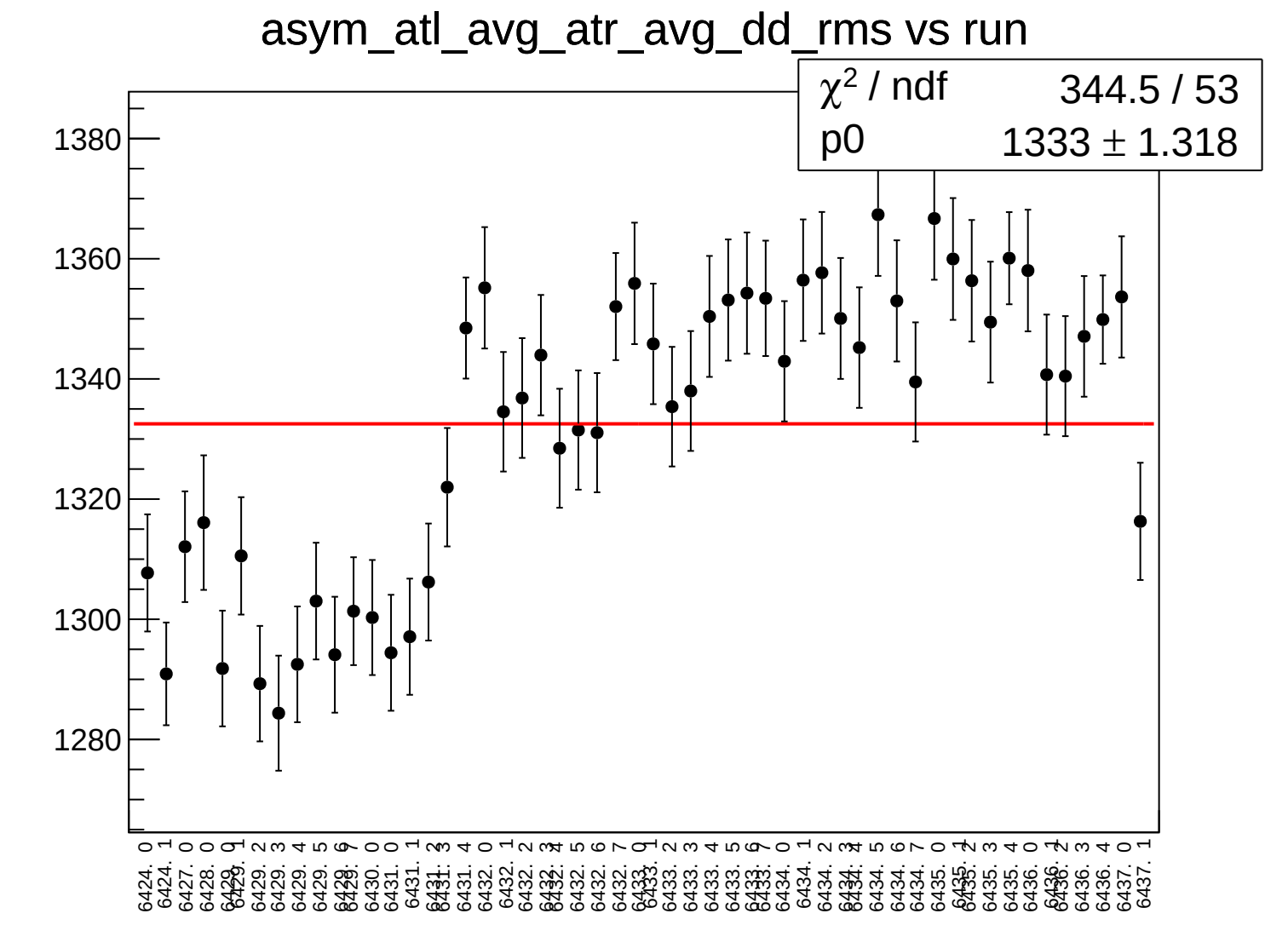

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 308.4 / 53
p0 1315 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

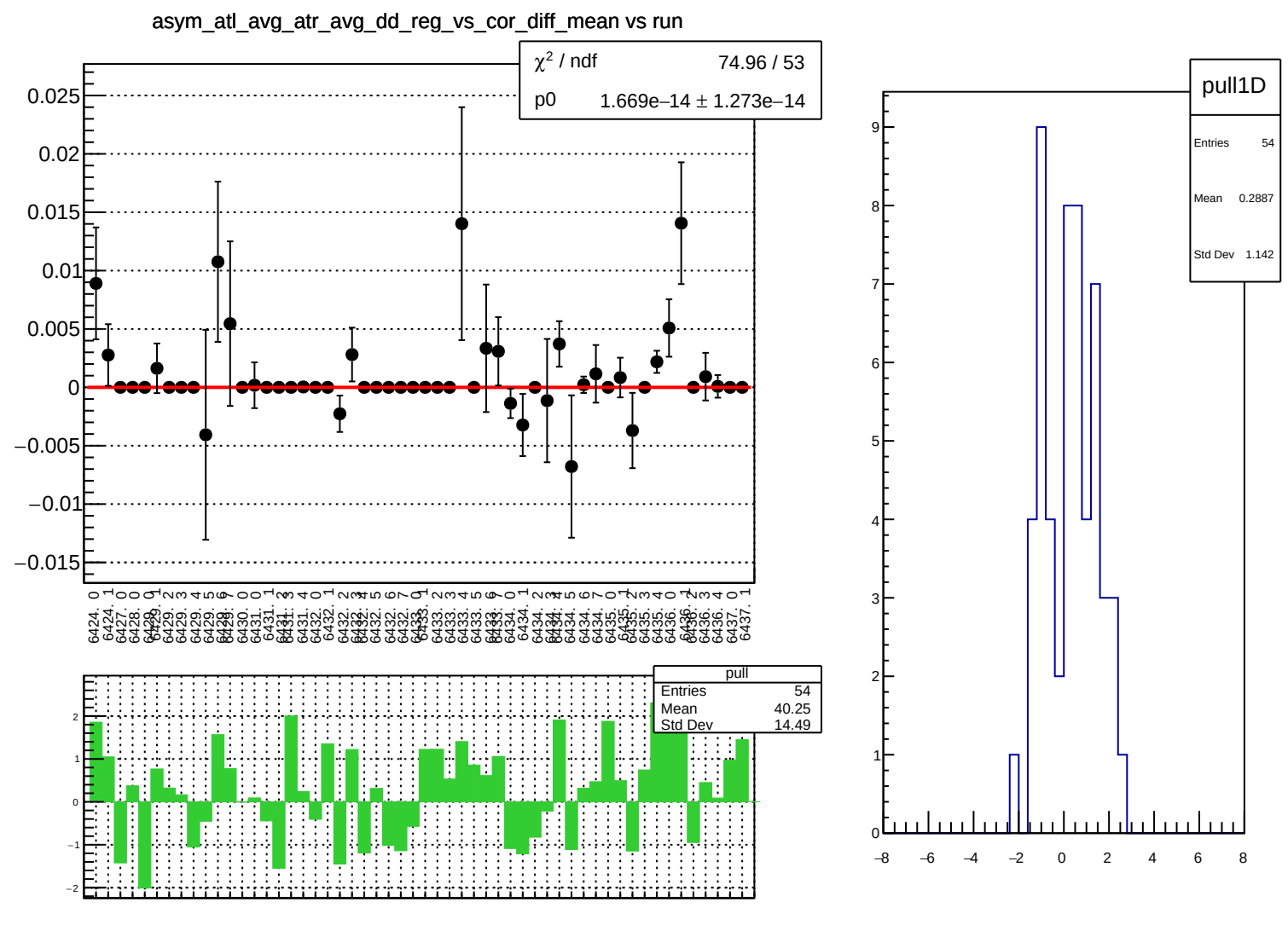

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.56 / 53
p0 103.3 ± 314.1
pull
Entries 54
Mean 197.5
Std Dev 0
pull1D
Entries 54
Mean 0.009938
Std Dev 1.167

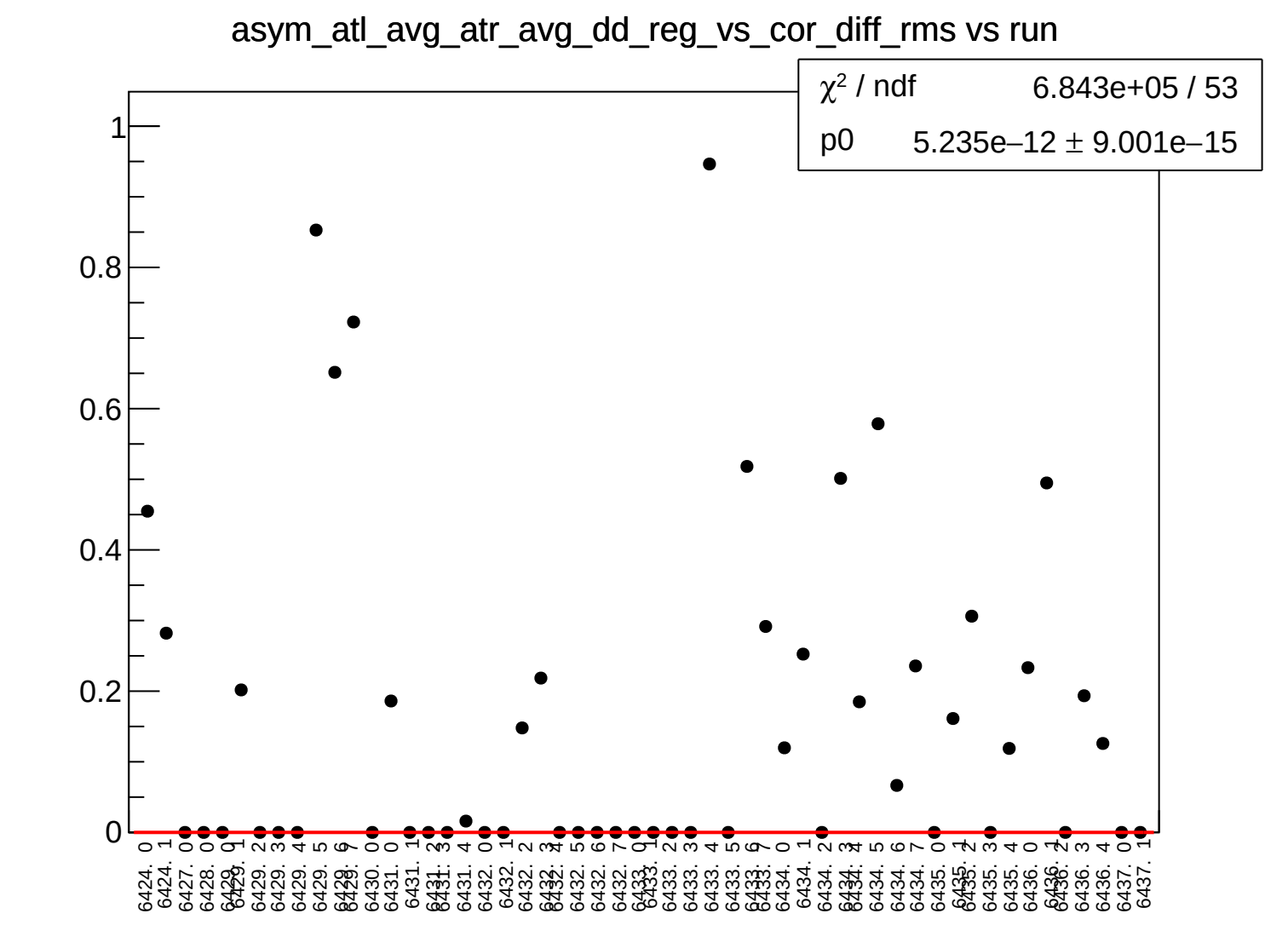

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2063 / 53
p0 224.4 ± 0.2221
250
240
230
220
210
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

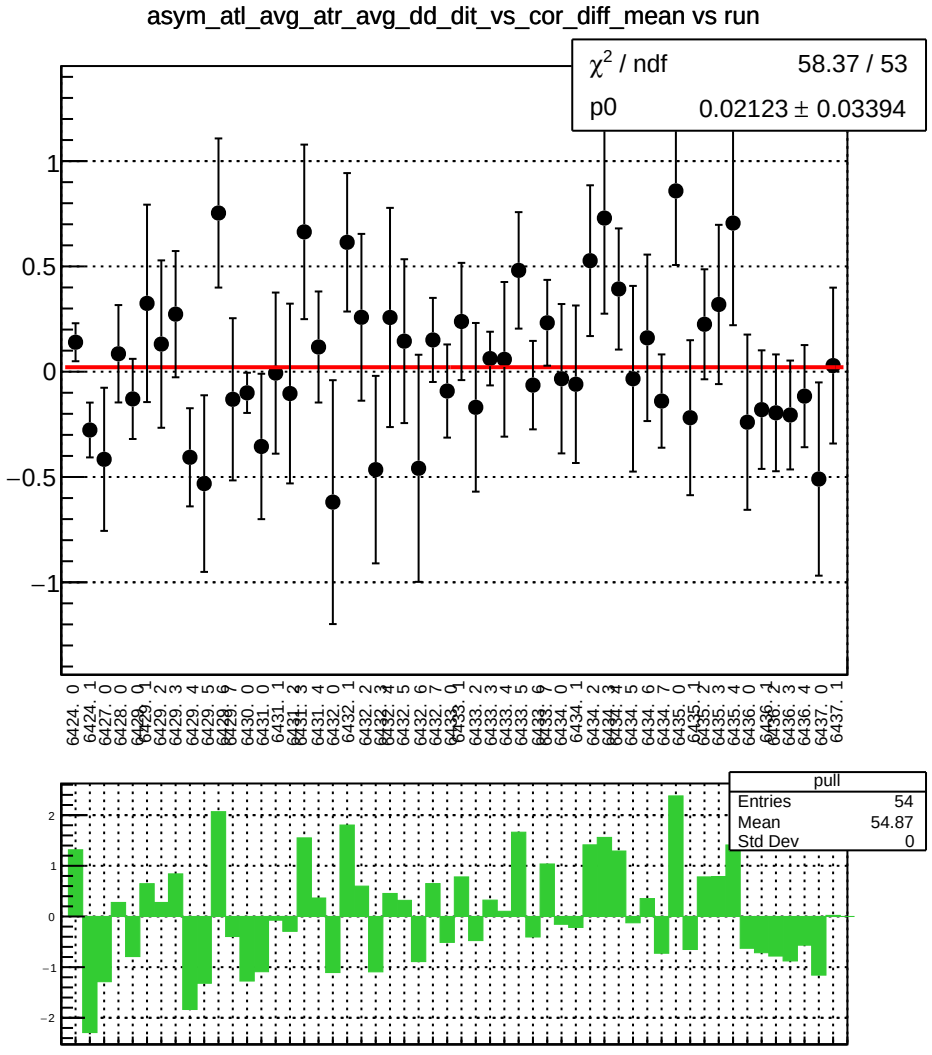

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 38.73 / 53
p0 742.1 ± 1864
pull
Entries 54
Mean 32.55
Std Dev 68.82

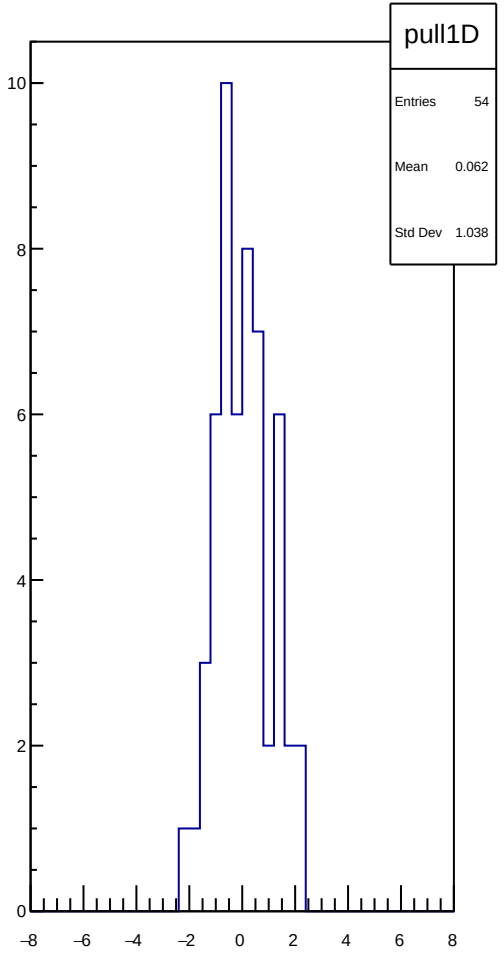

pull1D
Entries 54
Mean −0.01248
Std Dev 0.8468

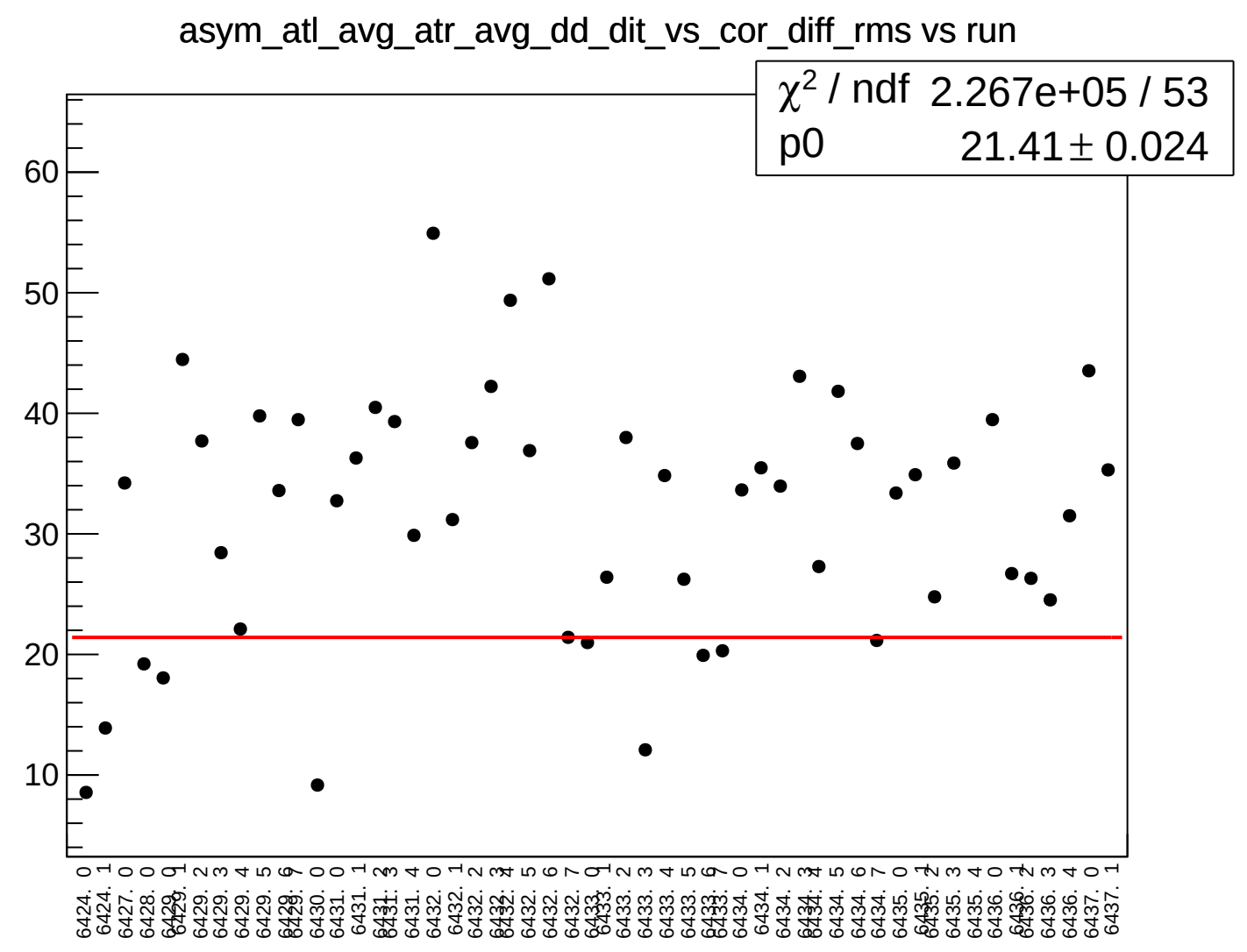

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 344.5 / 53
p0 1333 ± 1.318
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.96 / 53
p0 1.669e−14 ± 1.273e−14
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 40.25
Std Dev 14.49
pull1D
Entries 54
Mean 0.2887
Std Dev 1.142


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.843e+05 / 53
p0 5.235e−12 ± 9.001e−15
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.02123 ± 0.03394
pull
Entries 54
Mean 54.87
Std Dev 0


pull1D
Entries 54
Mean 0.062
Std Dev 1.038


asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.267e+05 / 53
p0 21.41 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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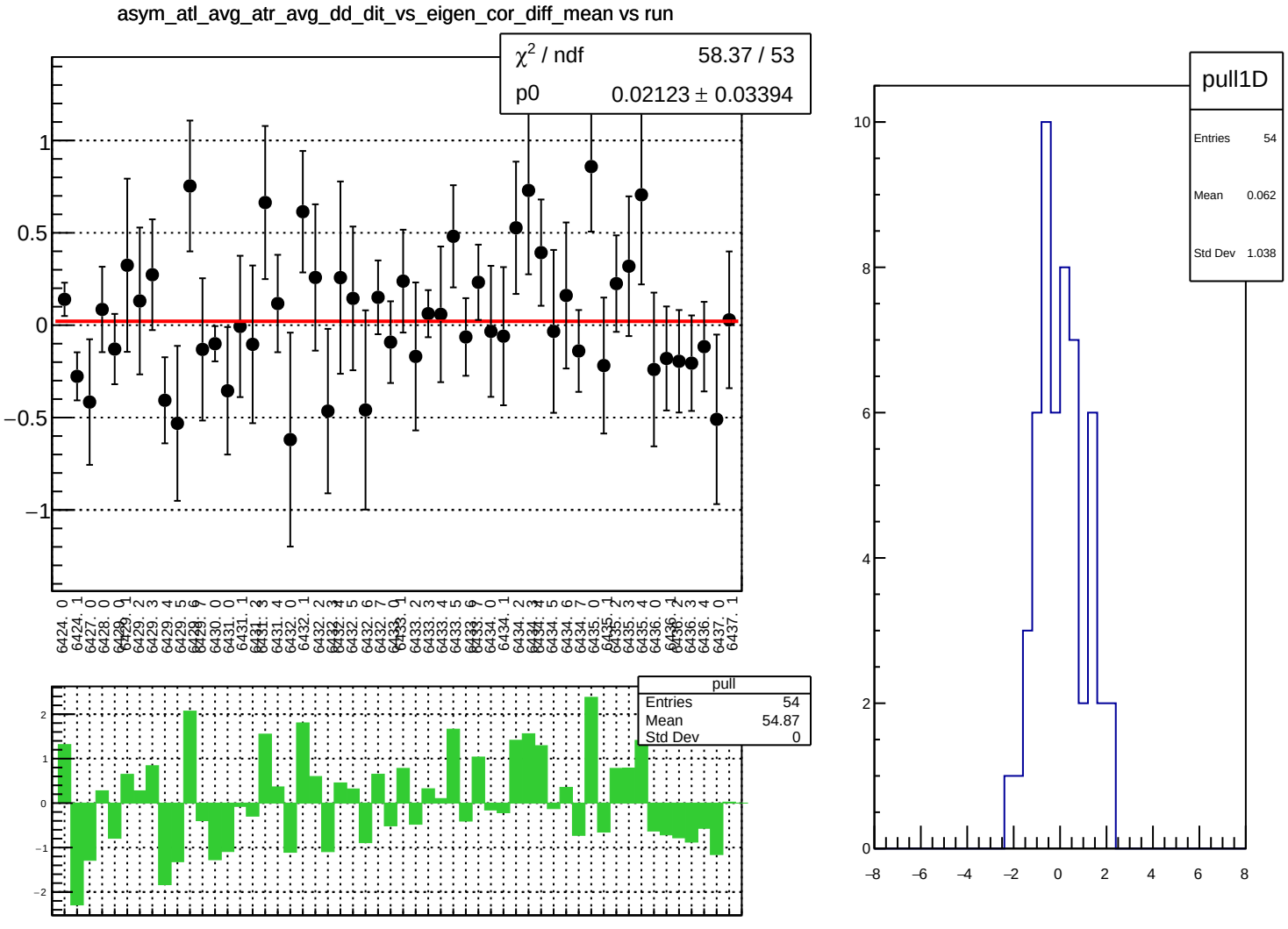
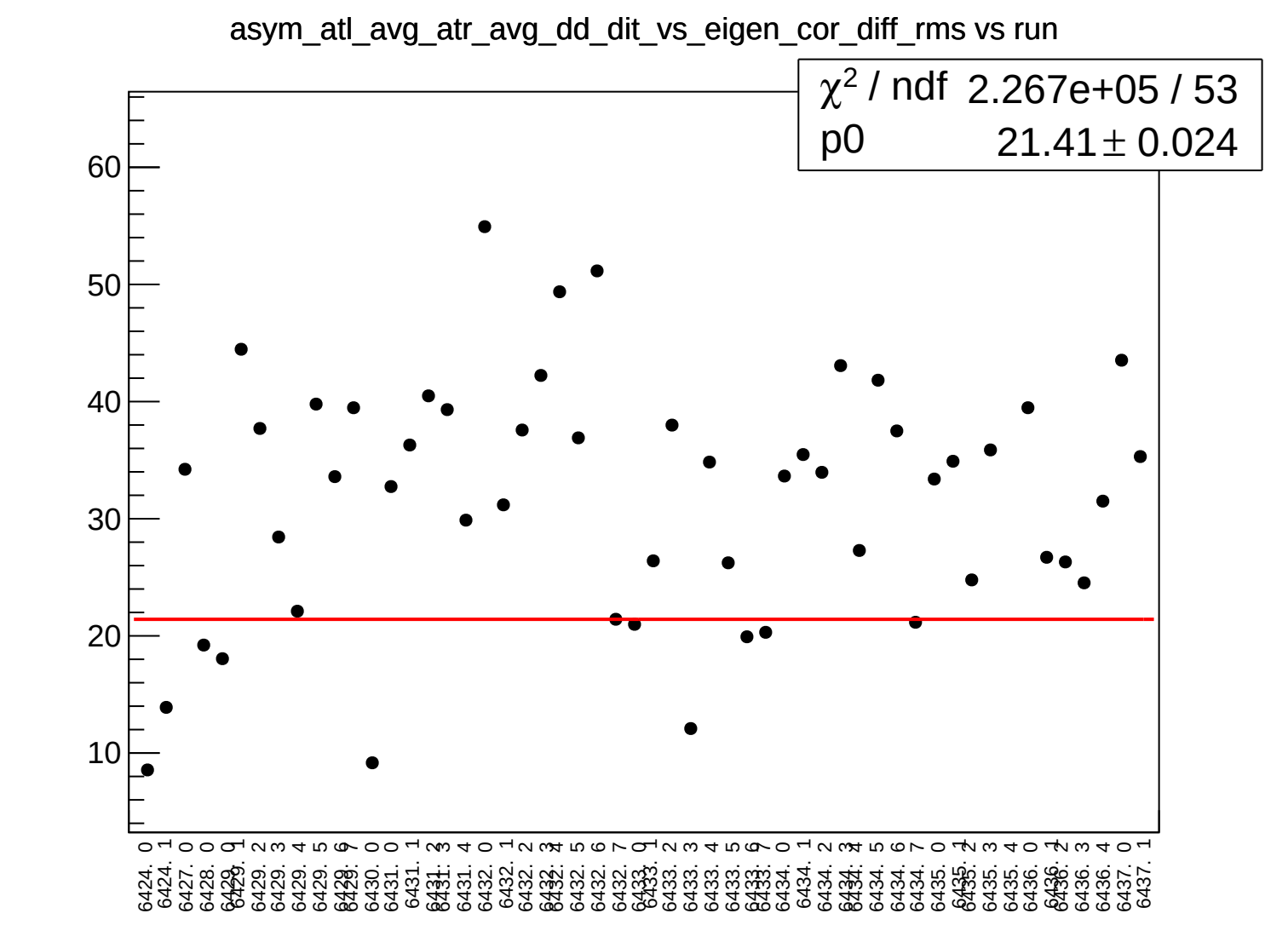
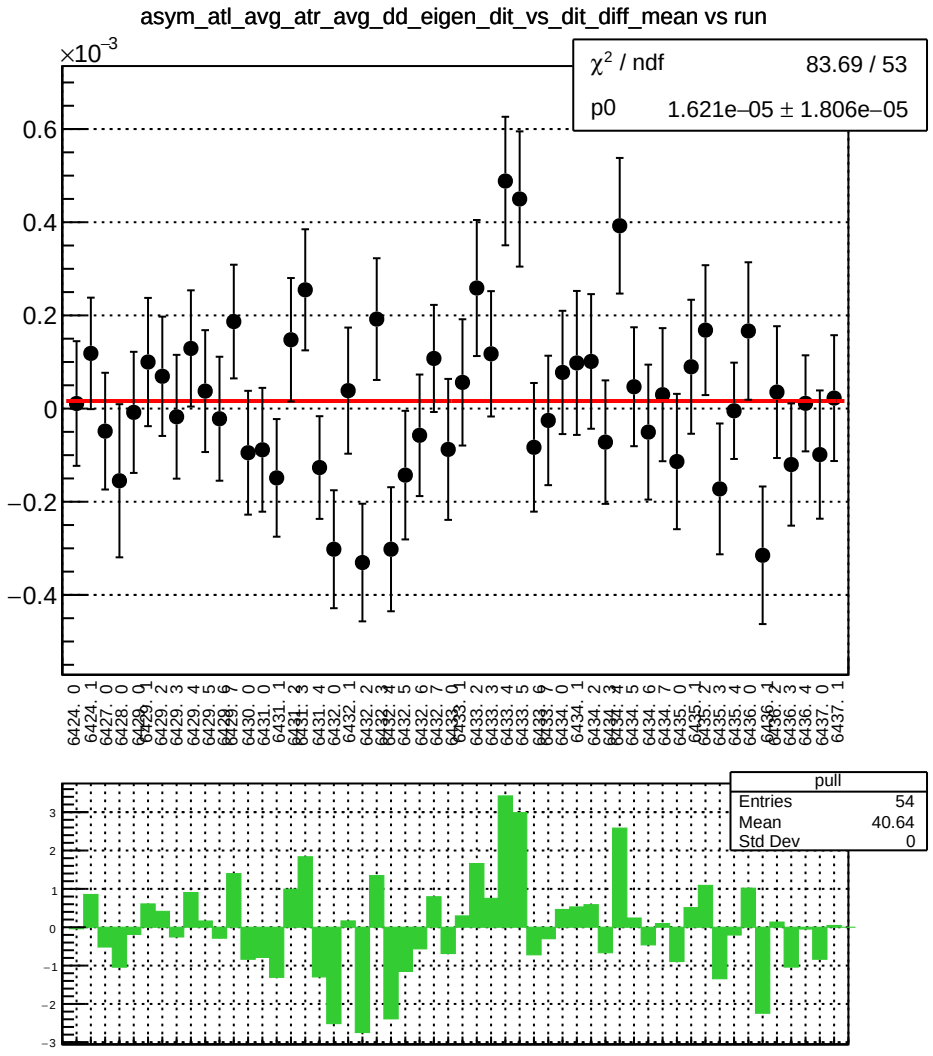
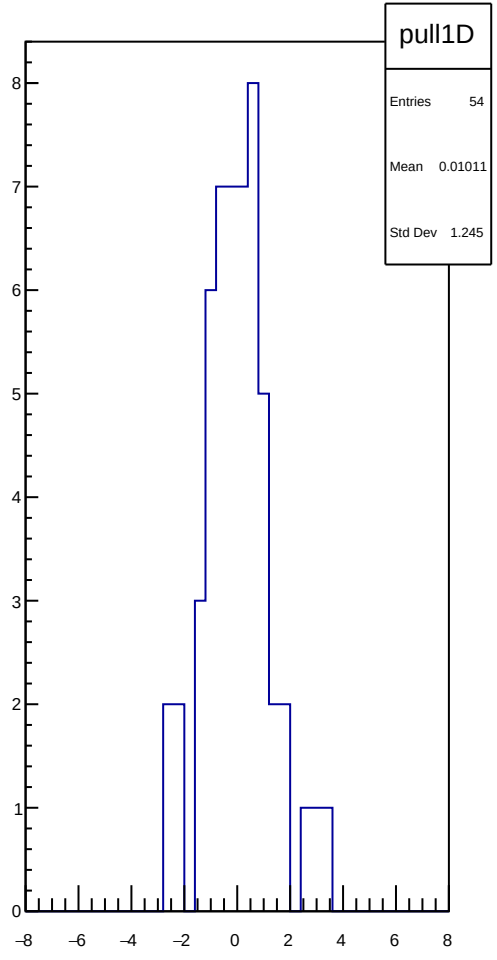
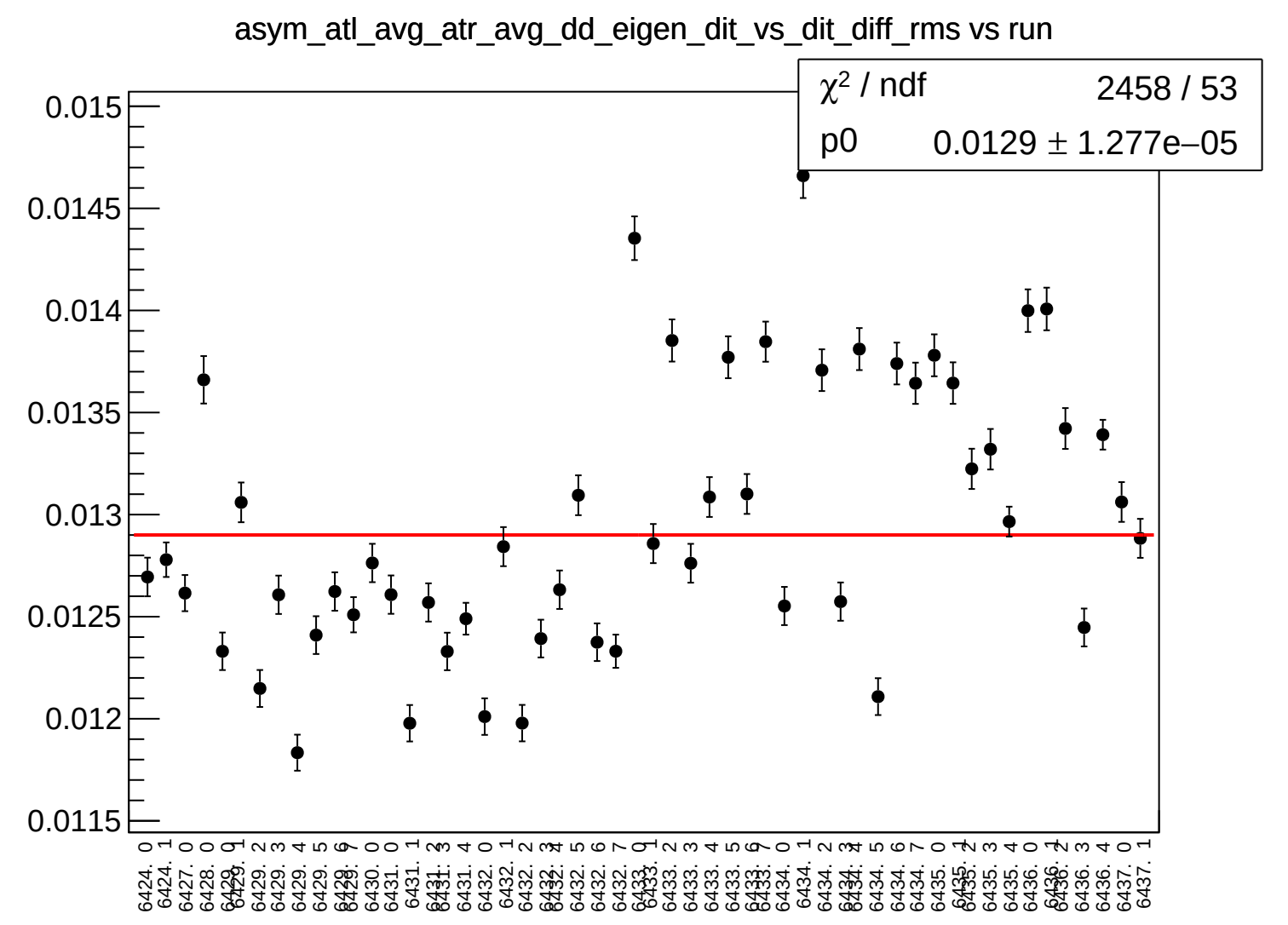
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

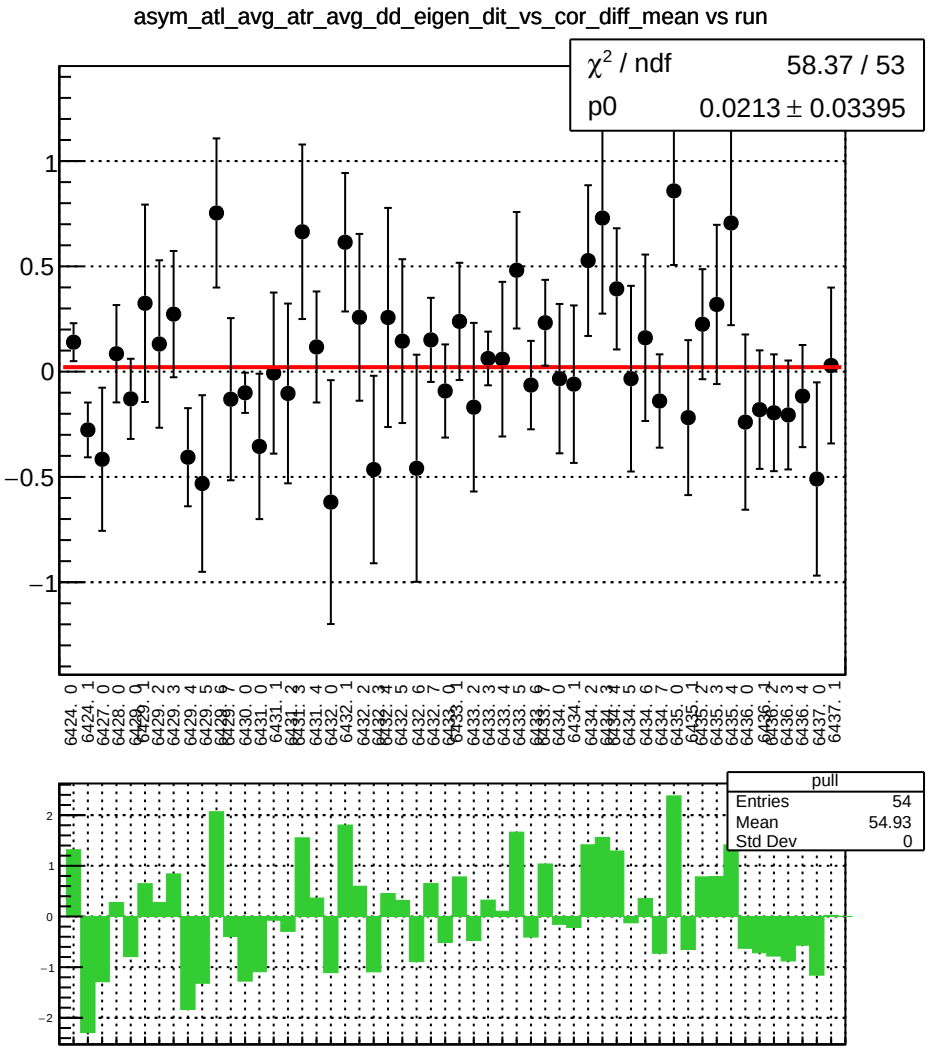

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.02123 ± 0.03394
pull
Entries 54
Mean 54.87
Std Dev 0
pull1D
Entries 54
Mean 0.062
Std Dev 1.038

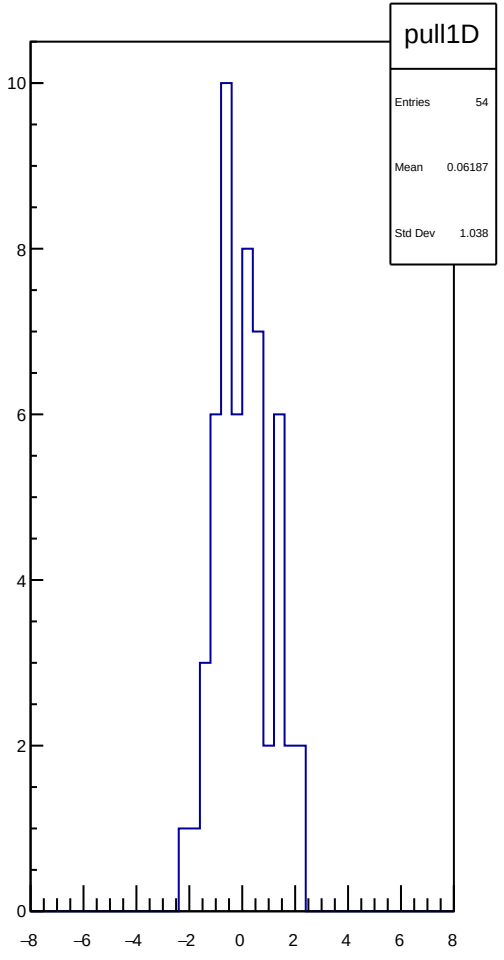

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.267e+05 / 53
p0 21.41 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

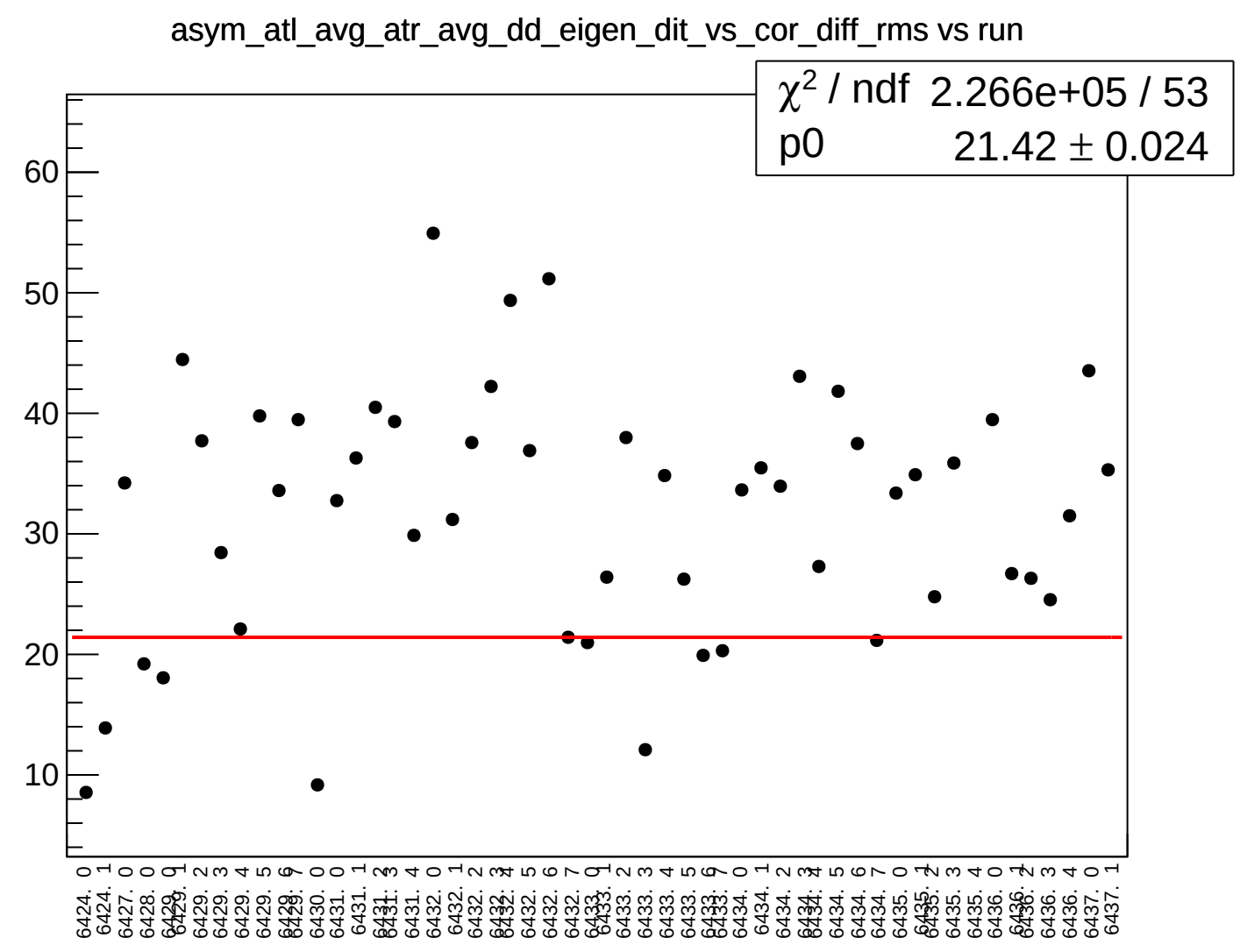

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.69 / 53
p0 1.621e−05 ± 1.806e−05
pull
Entries 54
Mean 40.64
Std Dev 0

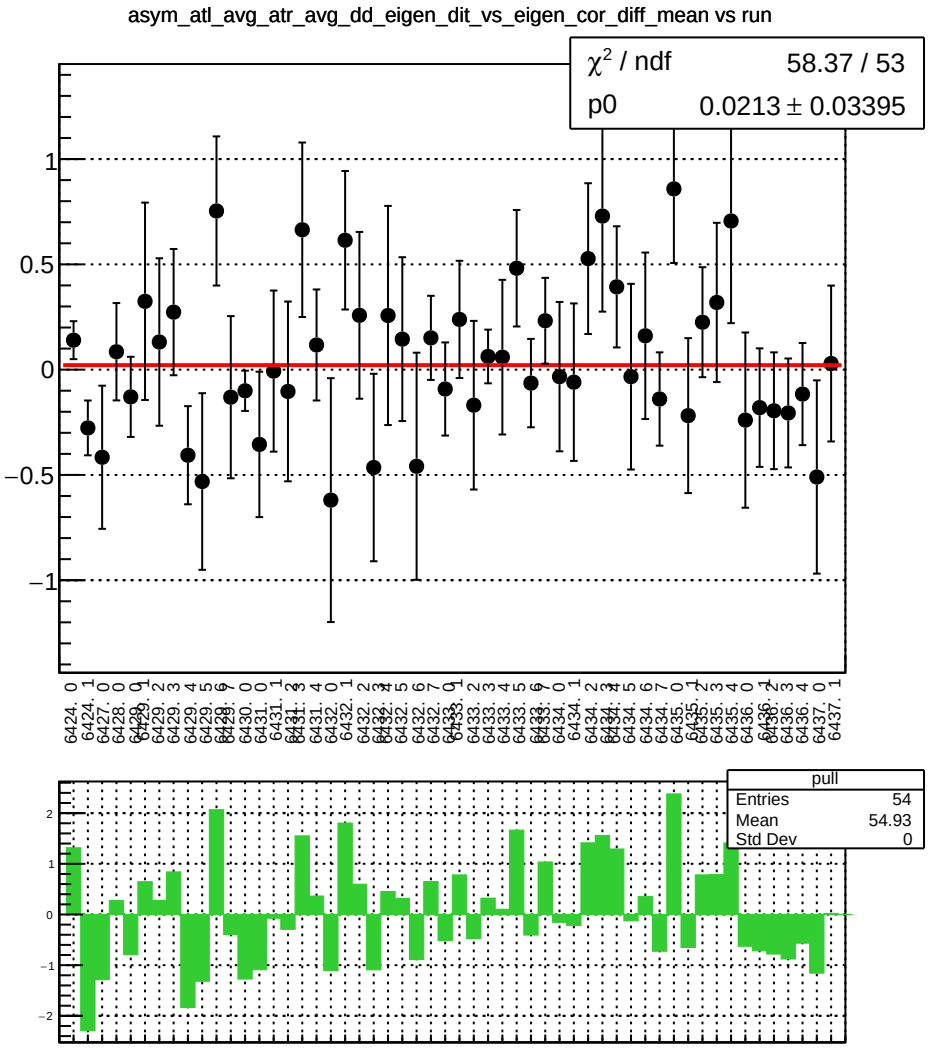

pull1D
Entries 54
Mean 0.01011
Std Dev 1.245

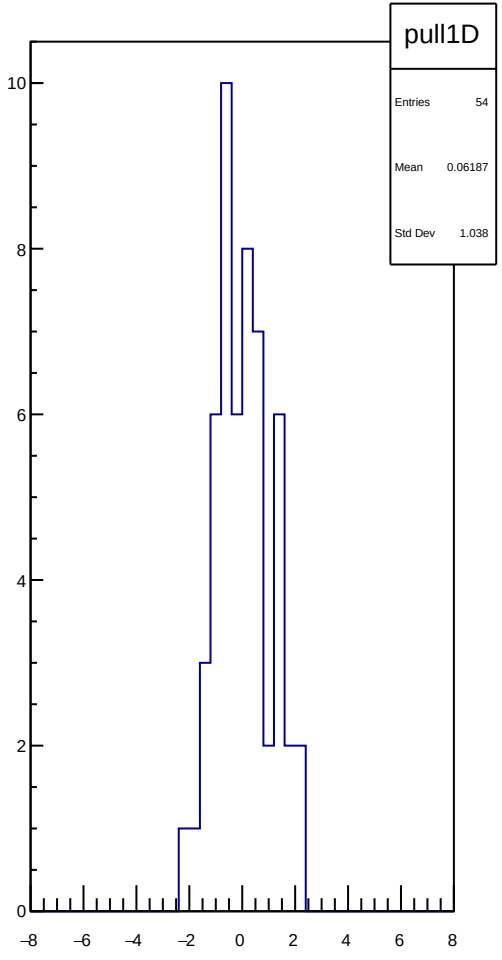

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2458 / 53
p0 0.0129 ± 1.277e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

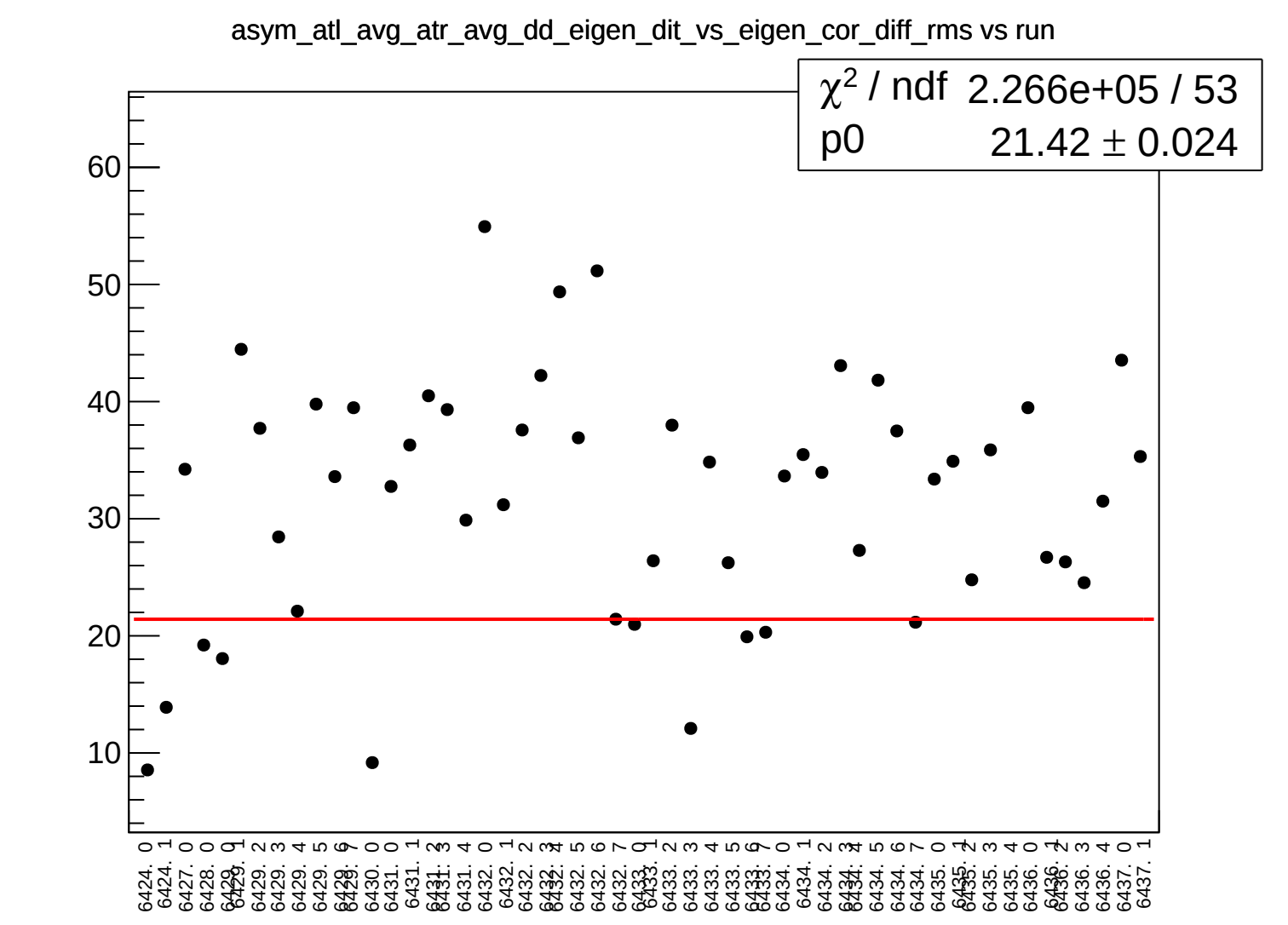

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.0213 ± 0.03395
pull
Entries 54
Mean 54.93
Std Dev 0

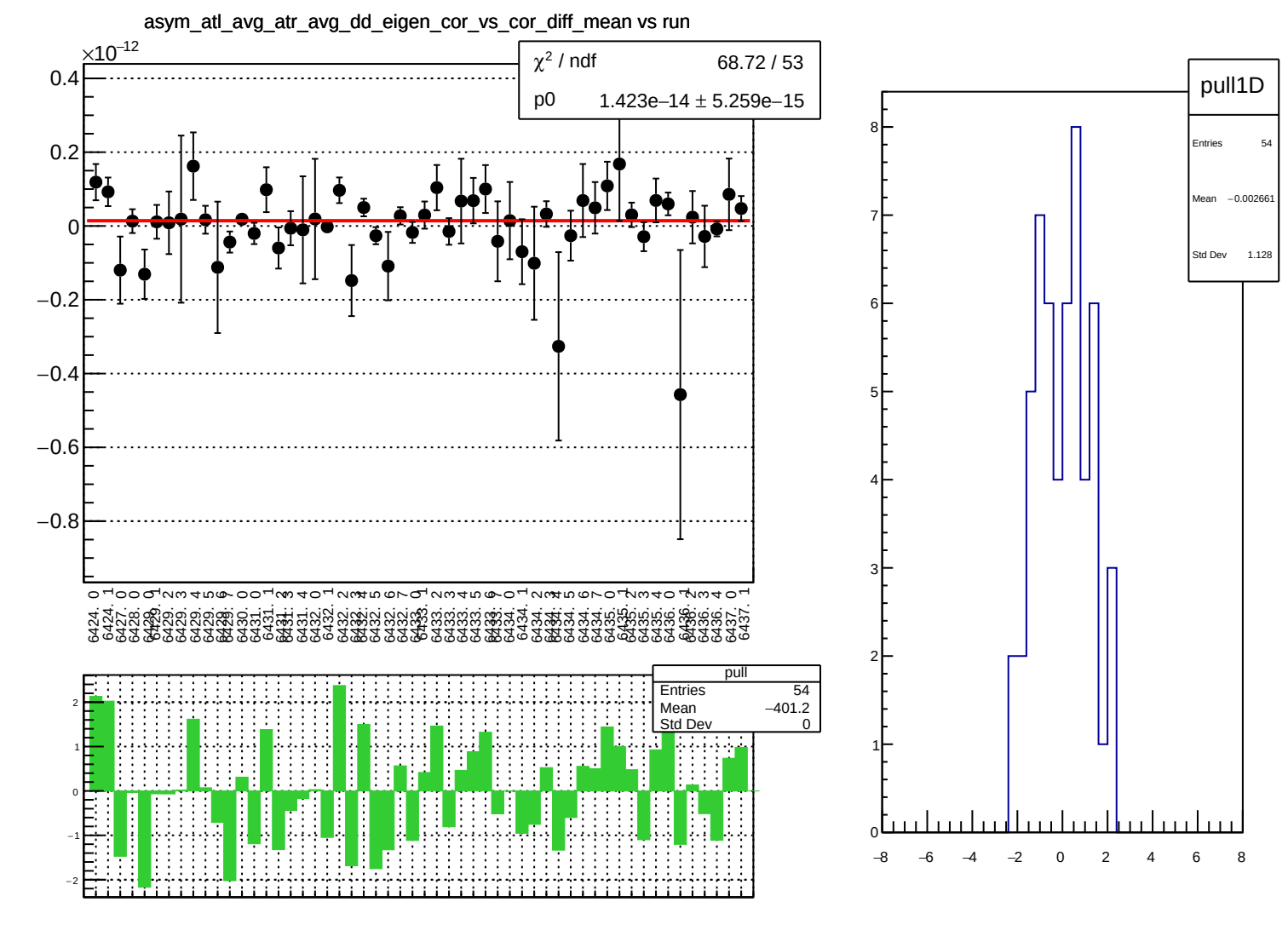

pull1D
Entries 54
Mean 0.06187
Std Dev 1.038

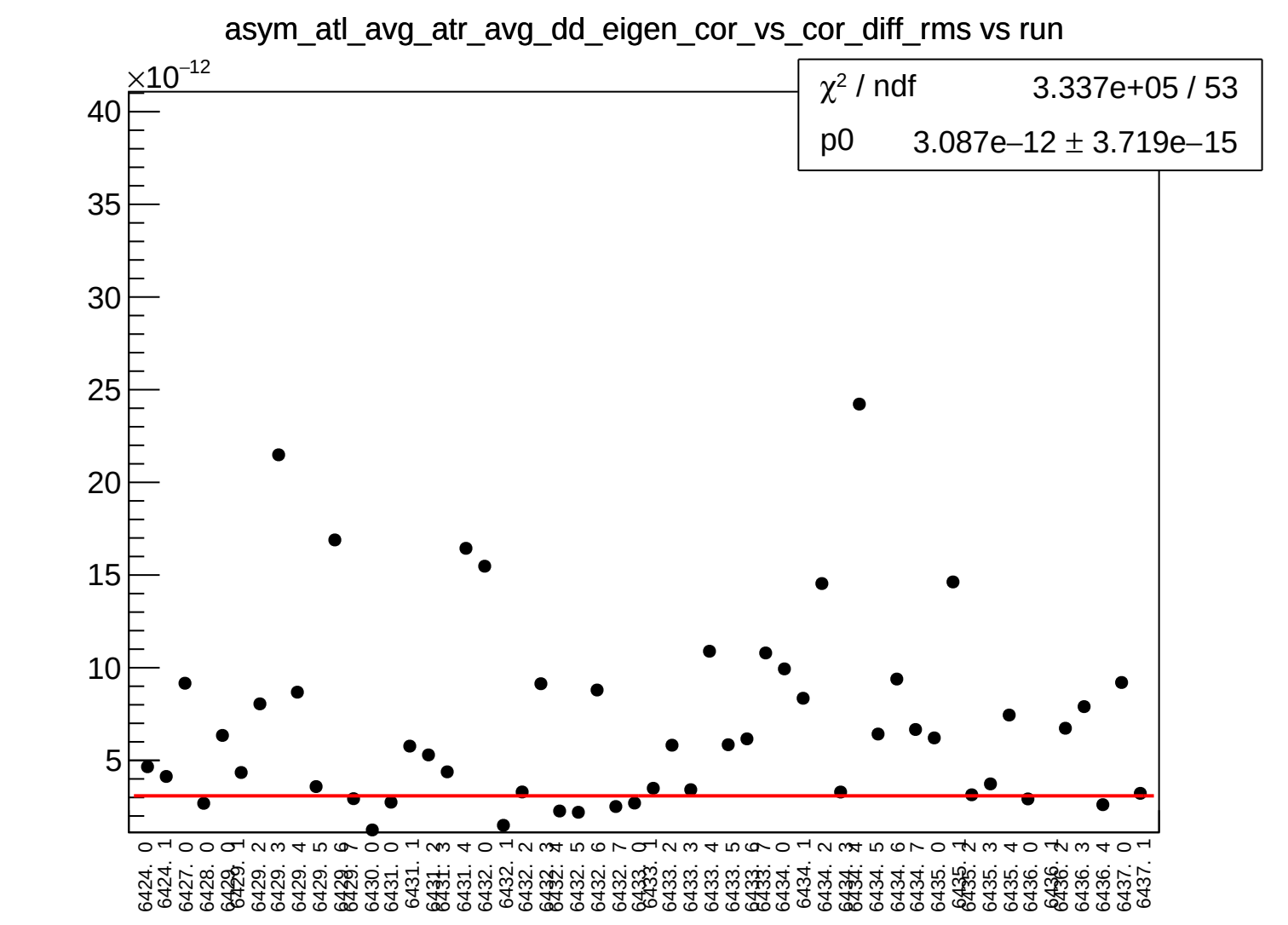

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.266e+05 / 53
p0 21.42 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

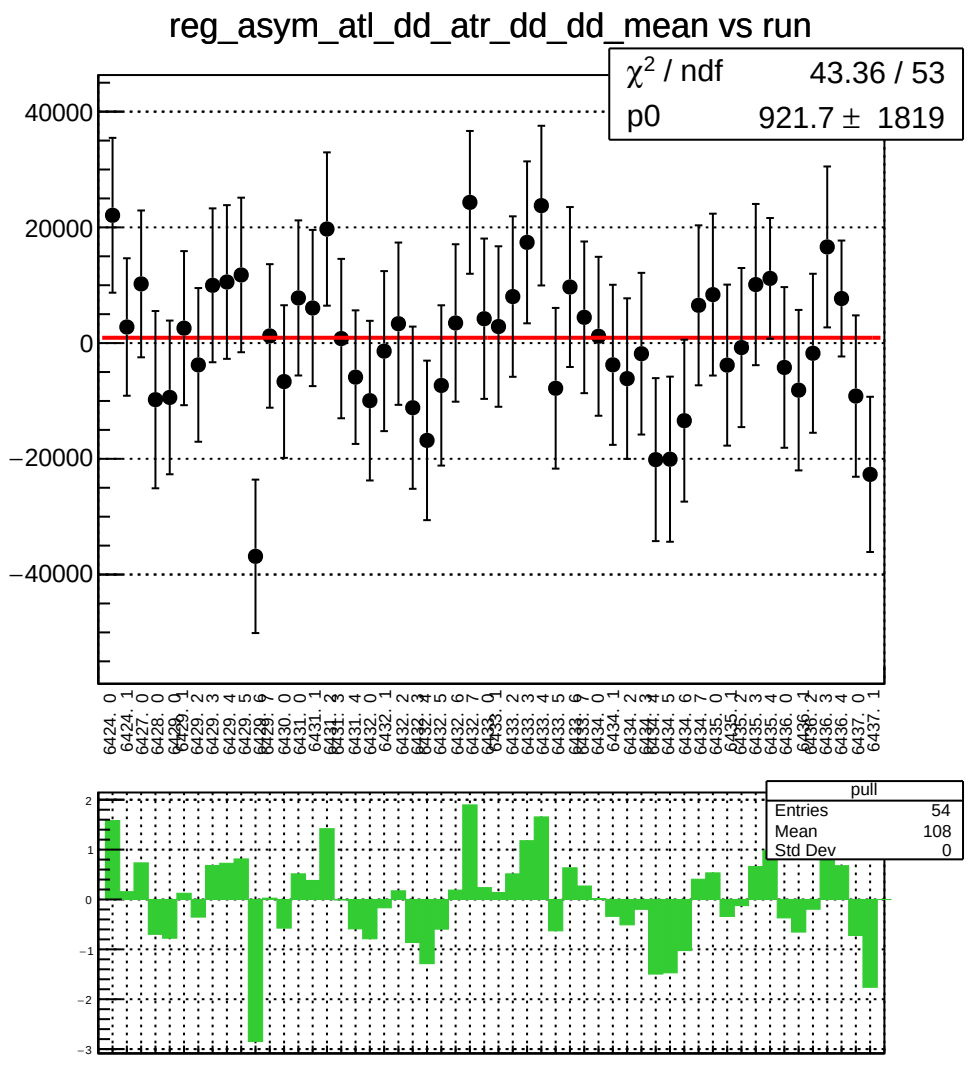

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.0213 ± 0.03395
pull
Entries 54
Mean 54.93
Std Dev 0

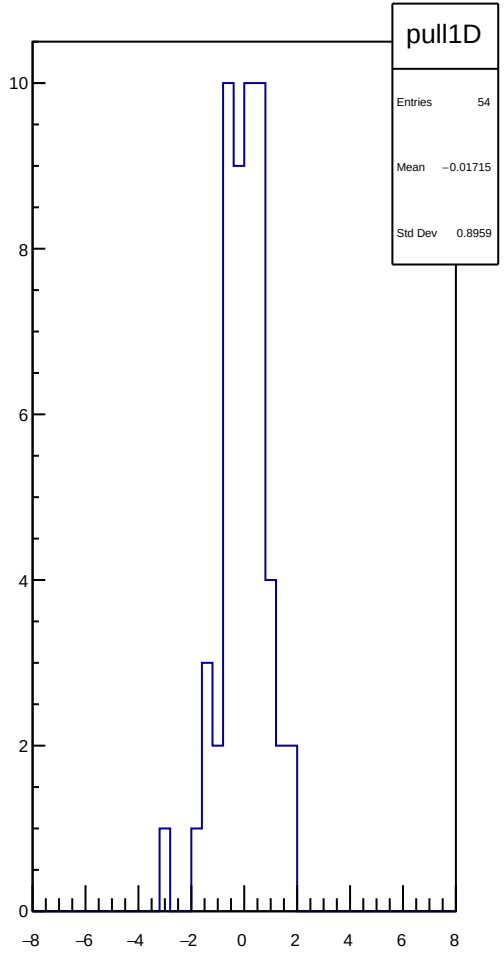

pull1D
Entries 54
Mean 0.06187
Std Dev 1.038

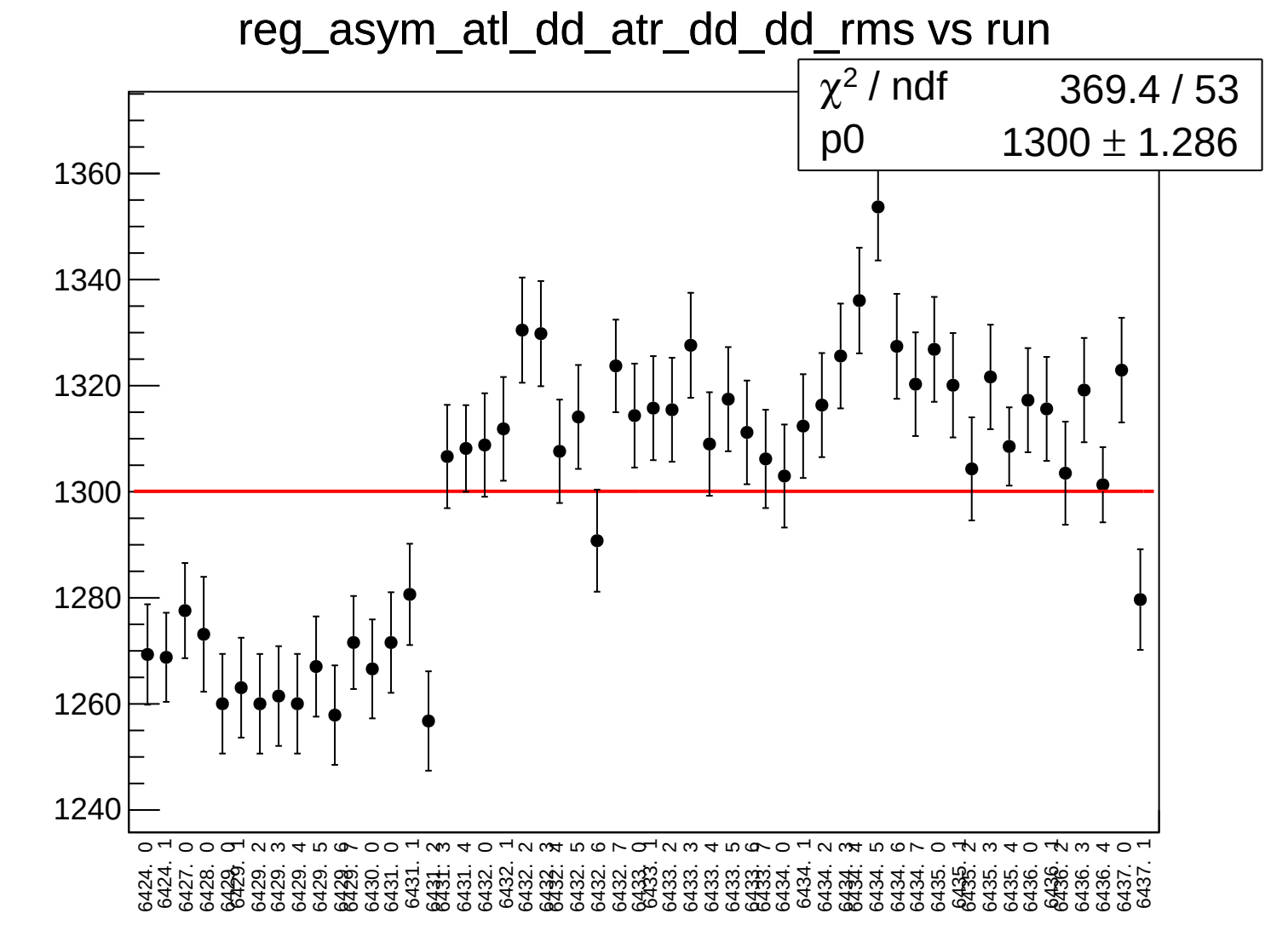

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.266e+05 / 53
p0 21.42 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

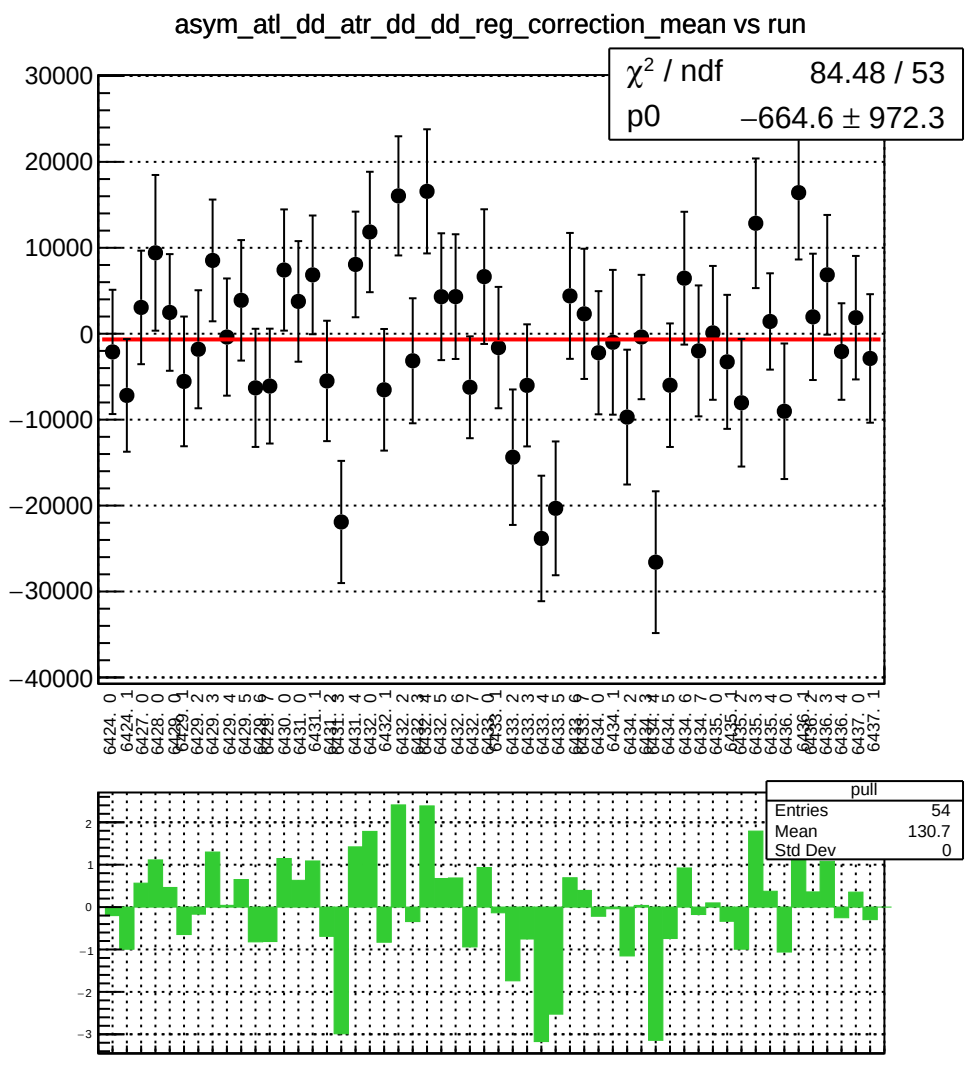

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 68.72 / 53
p0 1.423e−14 ± 5.259e−15
pull
Entries 54
Mean −401.2
Std Dev 0
pull1D
Entries 54
Mean −0.002661
Std Dev 1.128

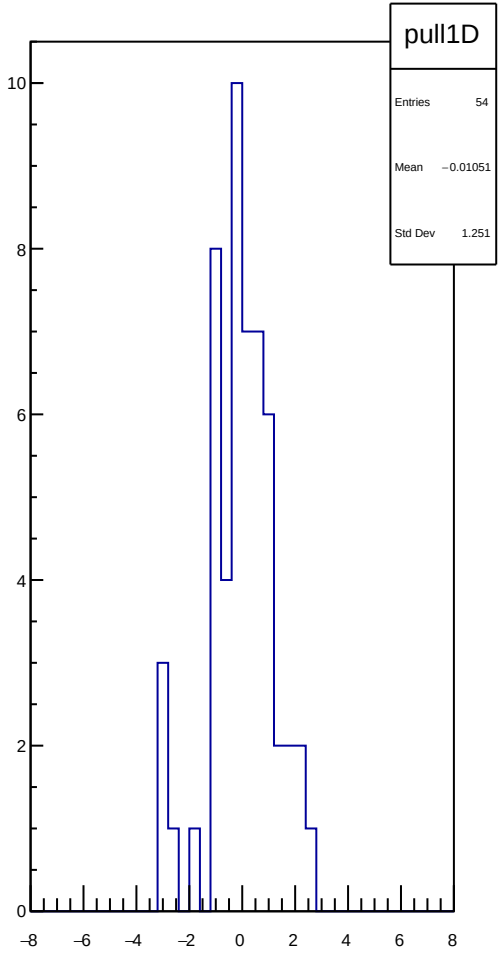

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.337e+05 / 53
p0 3.087e−12 ± 3.719e−15
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

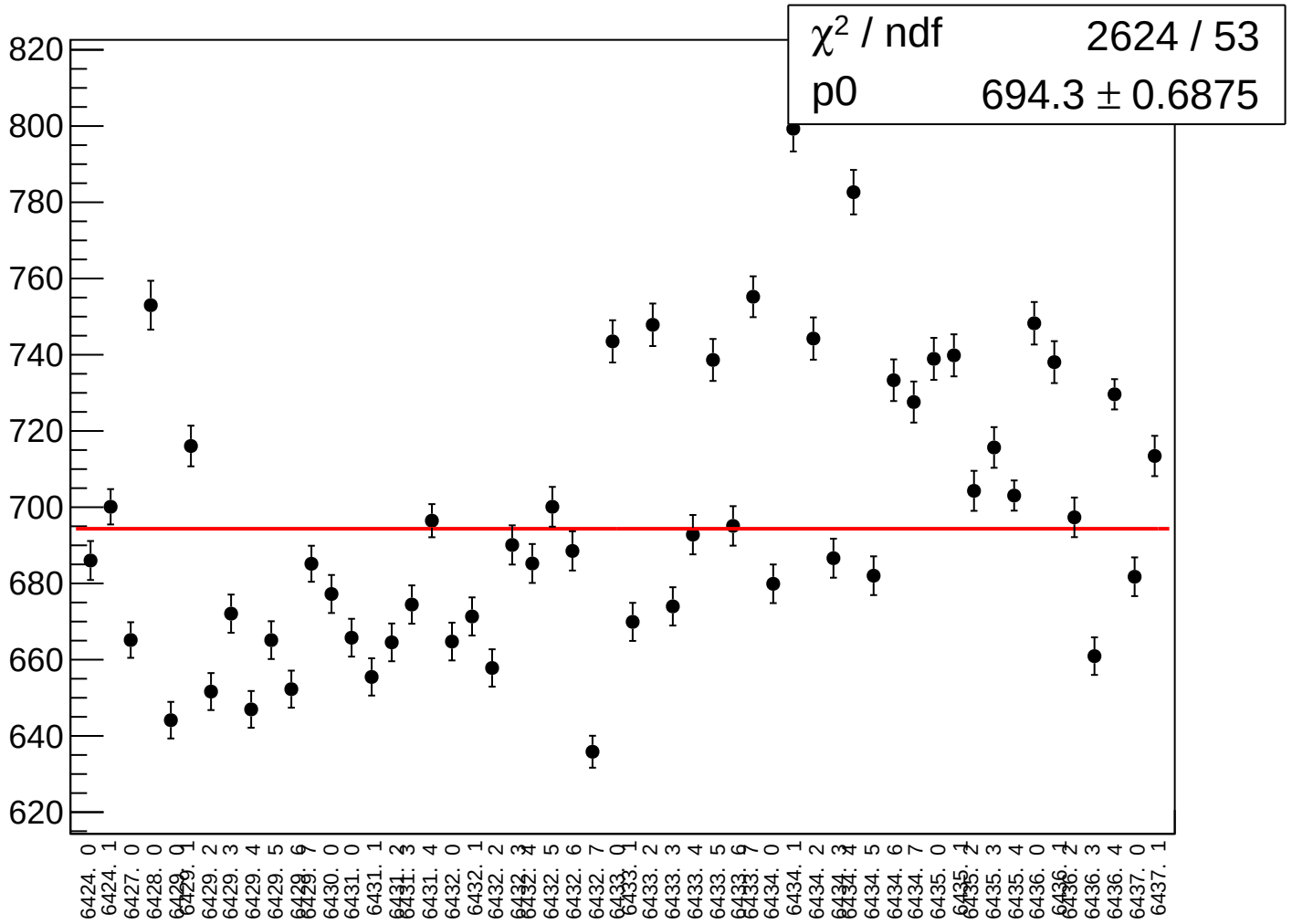

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 43.36 / 53
p0 921.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
2
1
0
−1
−2
−3

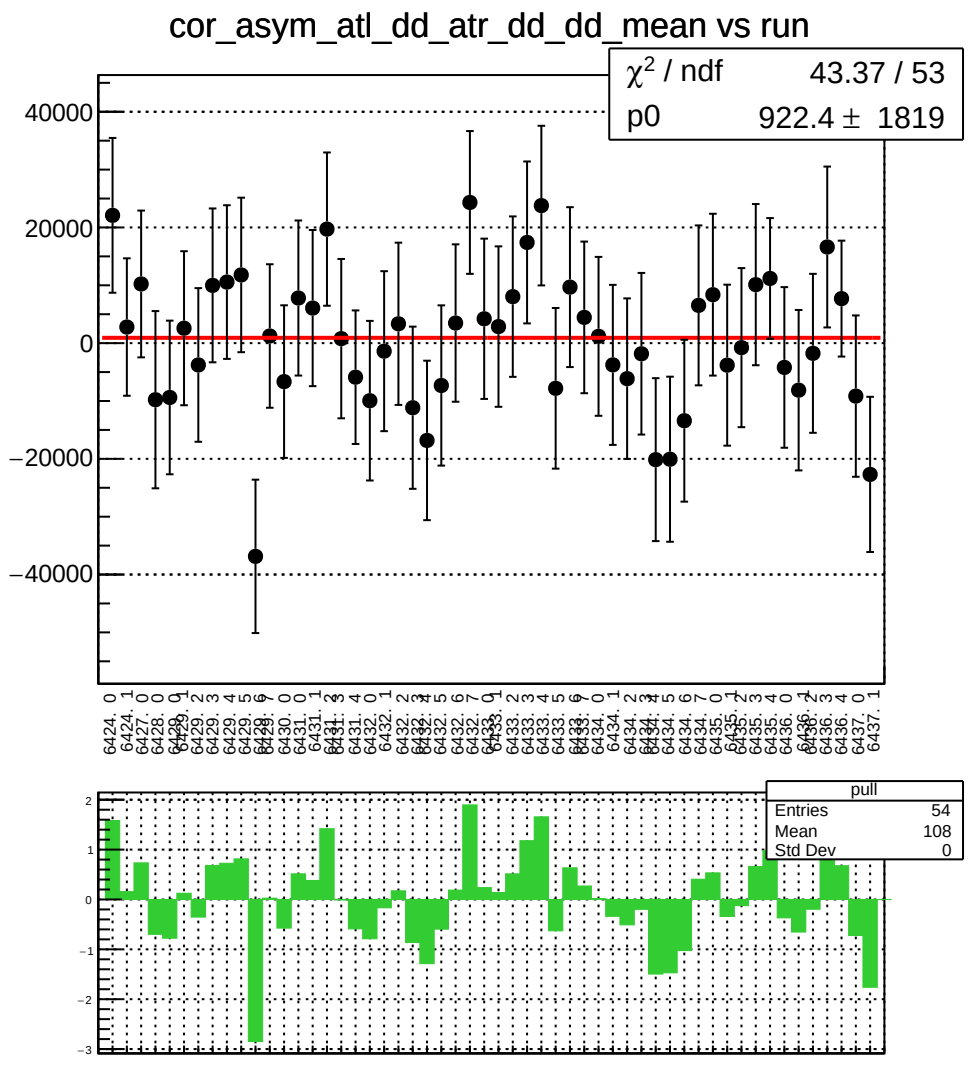

pull1D
Entries 54
Mean −0.01715
Std Dev 0.8959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

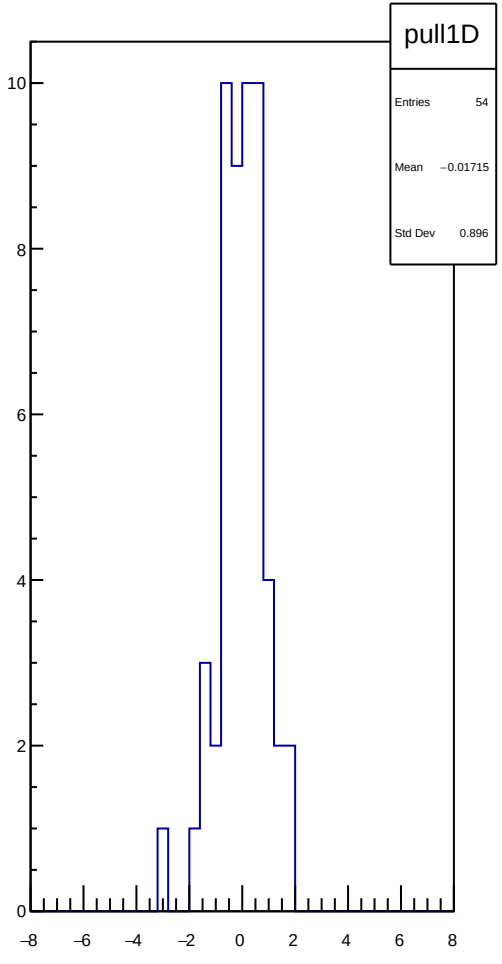

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

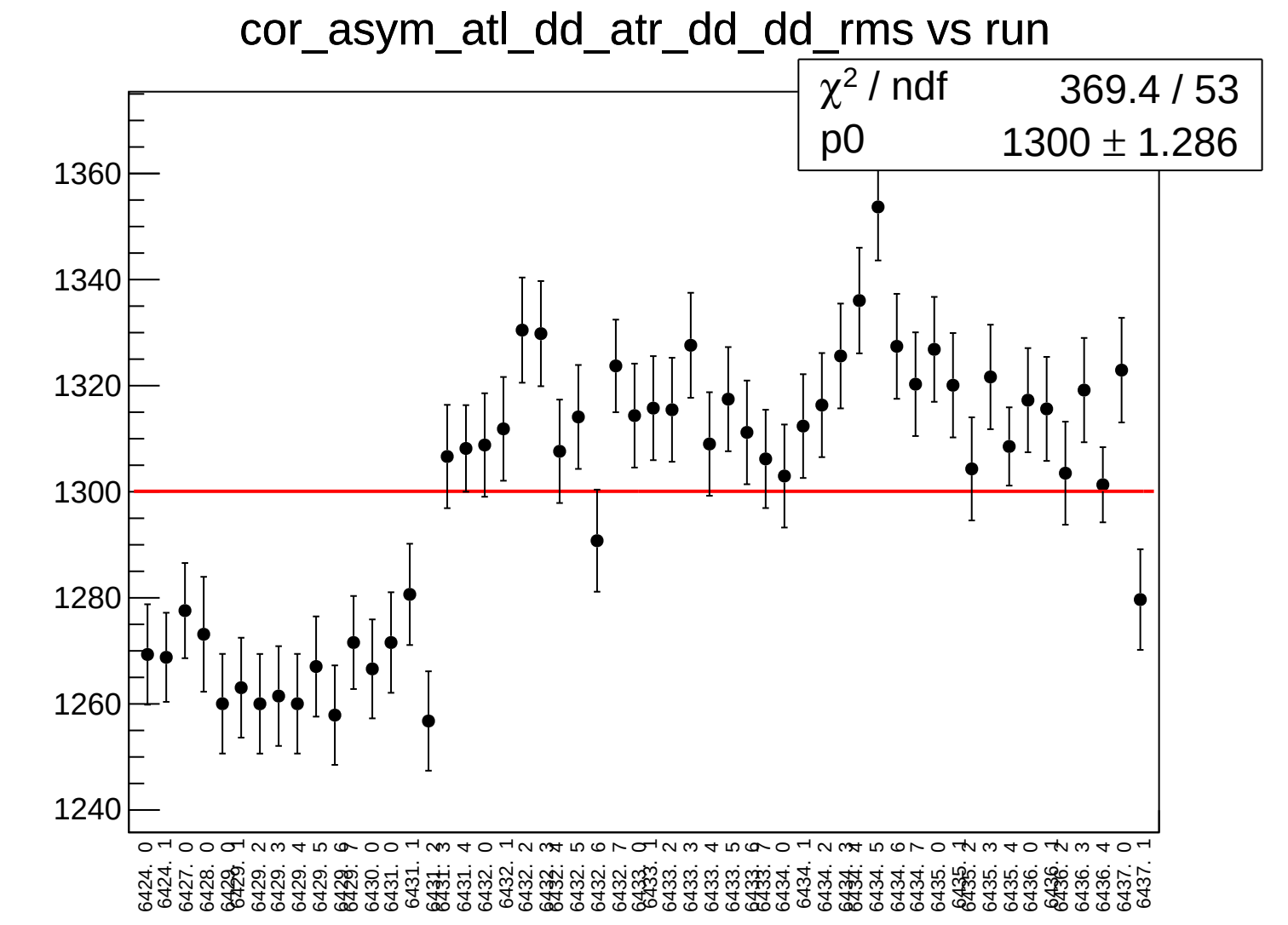

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 84.48 / 53
p0 −664.6 ± 972.3
pull
Entries 54
Mean 130.7
Std Dev 0

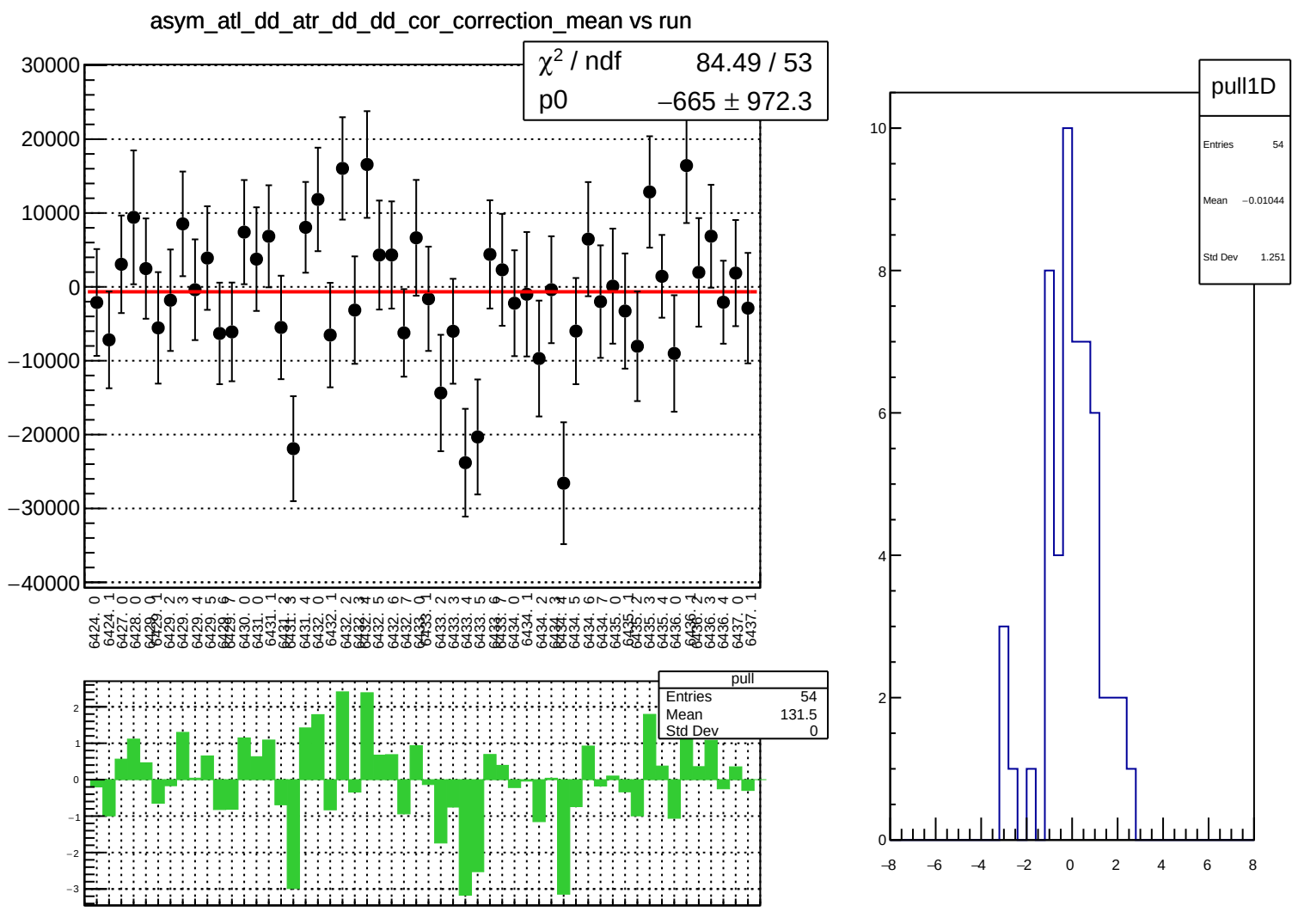

pull1D
Entries 54
Mean −0.01051
Std Dev 1.251

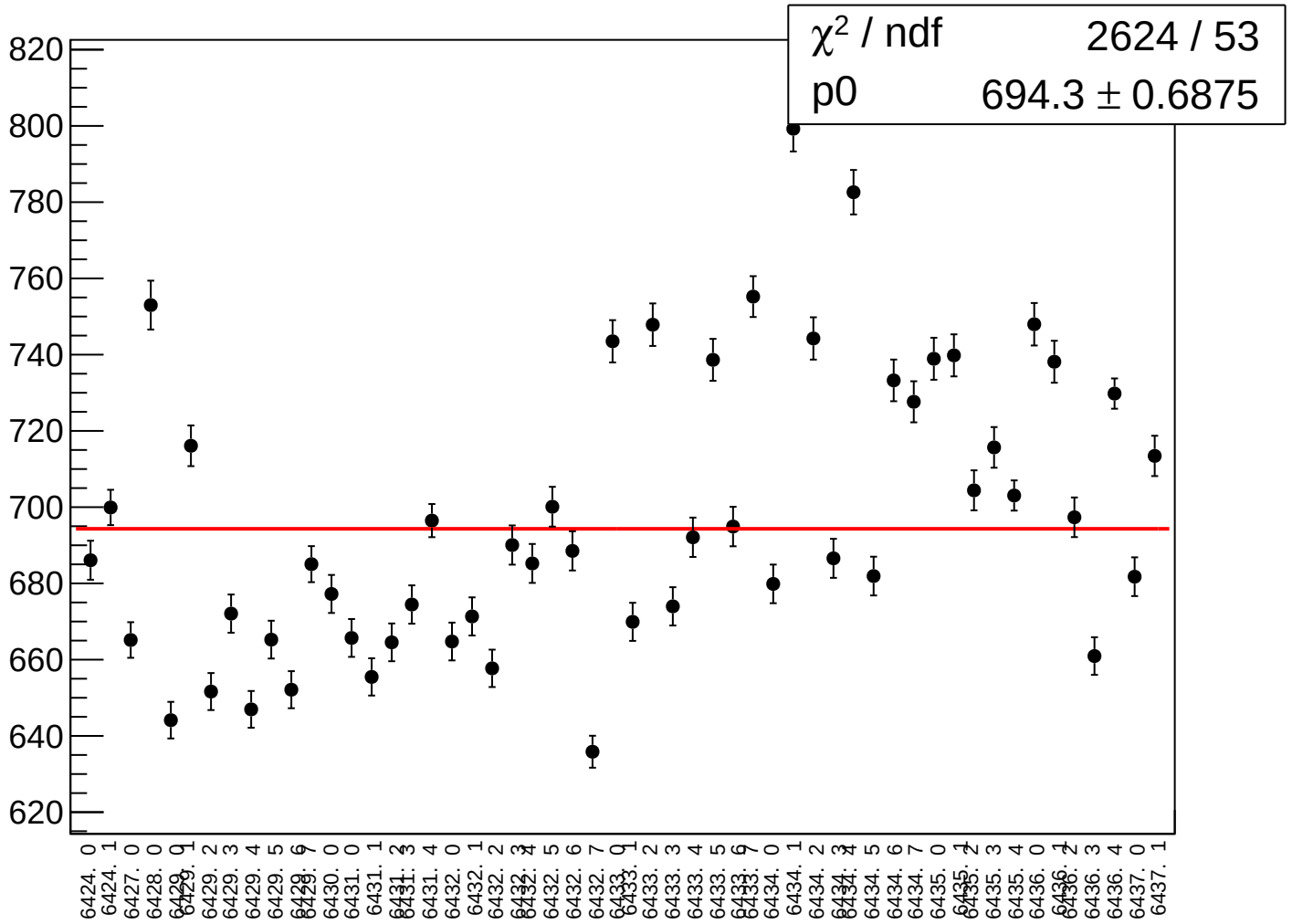

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

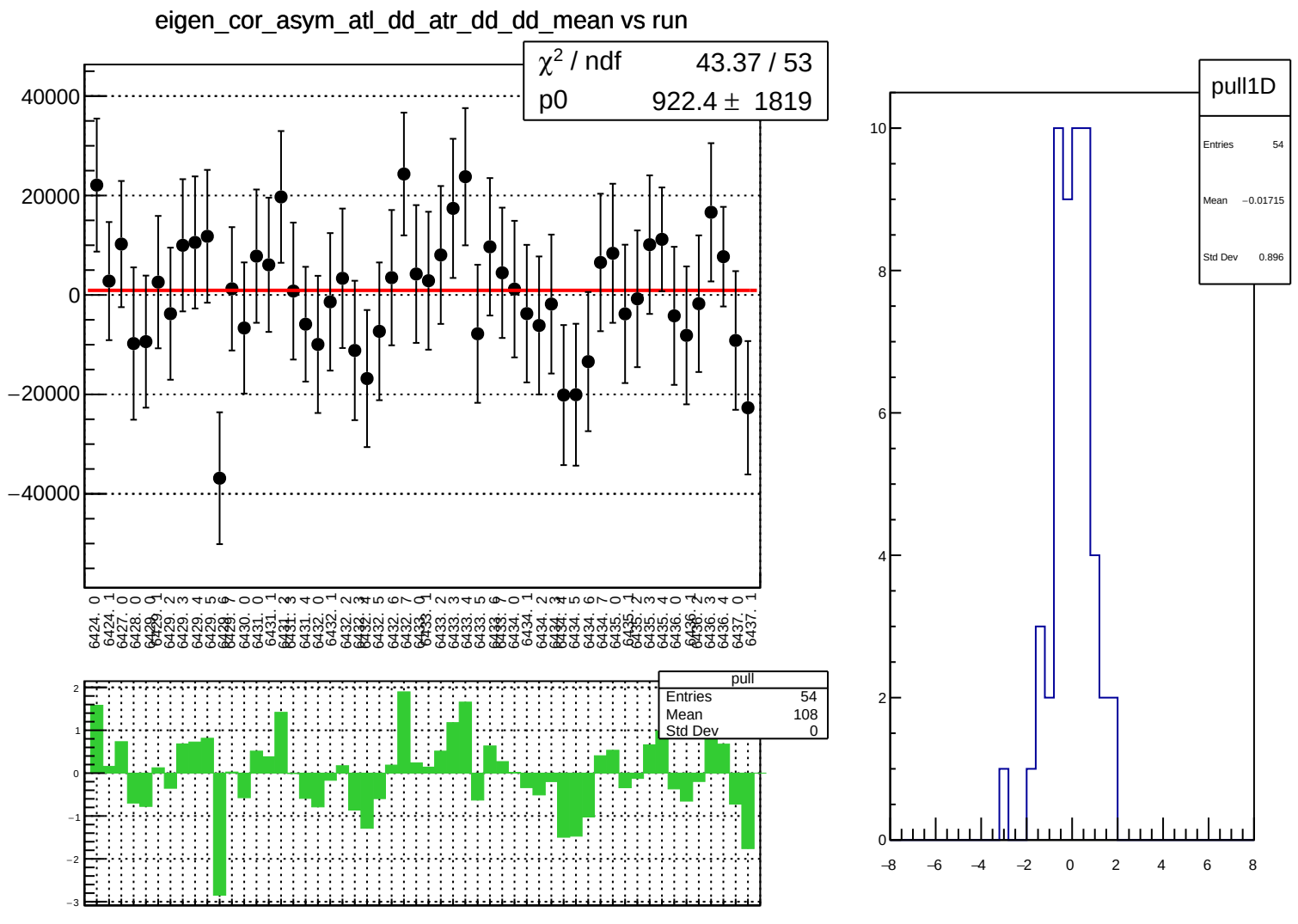

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 43.37 / 53
p0 922.4 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
2
1
0
−1
−2
−3

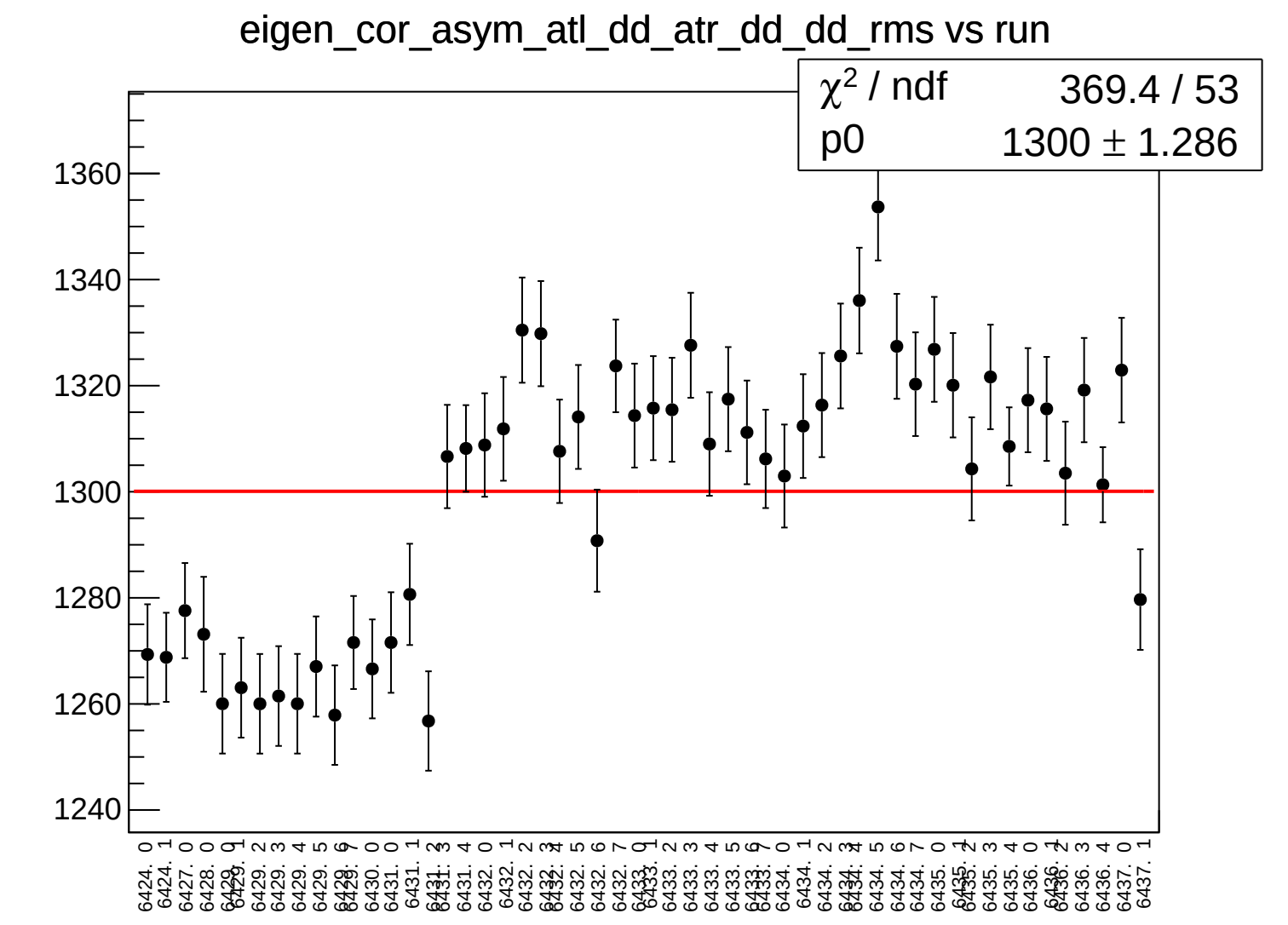

pull1D
Entries 54
Mean −0.01715
Std Dev 0.896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

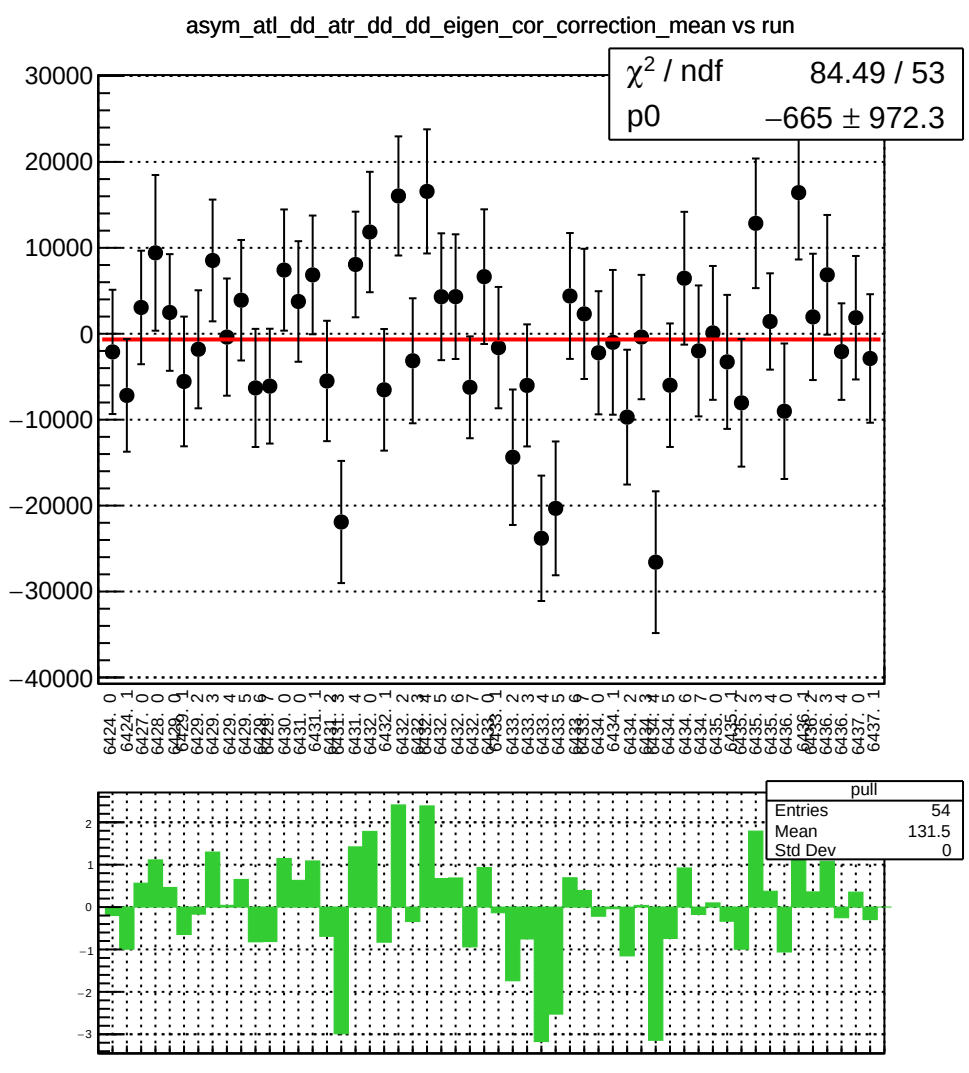

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

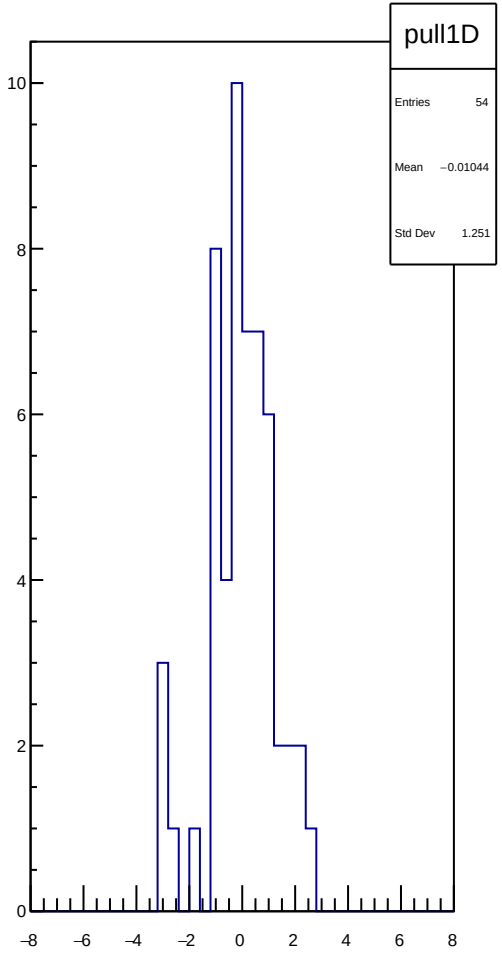

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 84.49 / 53
p0 −665 ± 972.3
pull
Entries 54
Mean 131.5
Std Dev 0
pull1D
Entries 54
Mean −0.01044
Std Dev 1.251

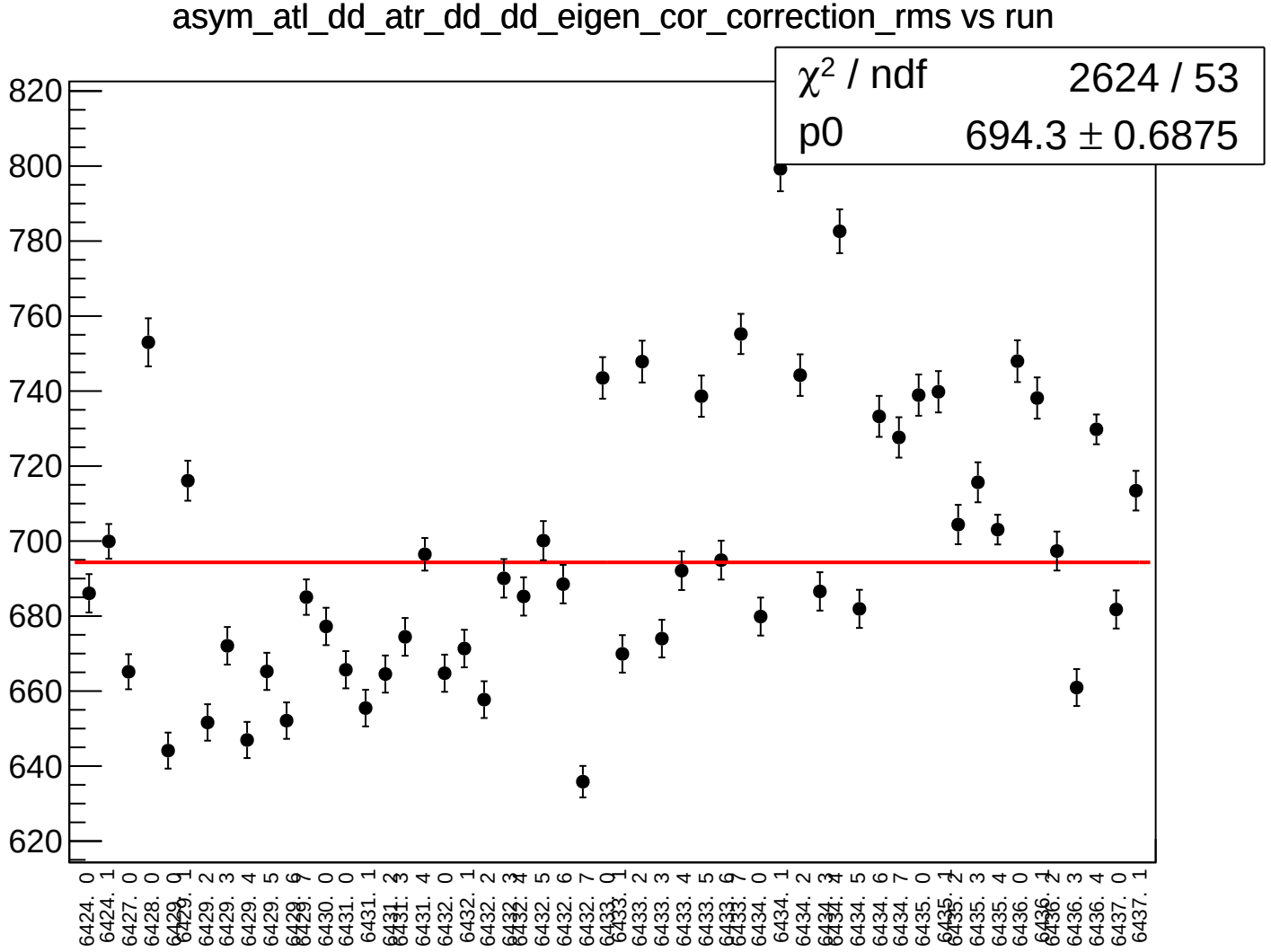

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

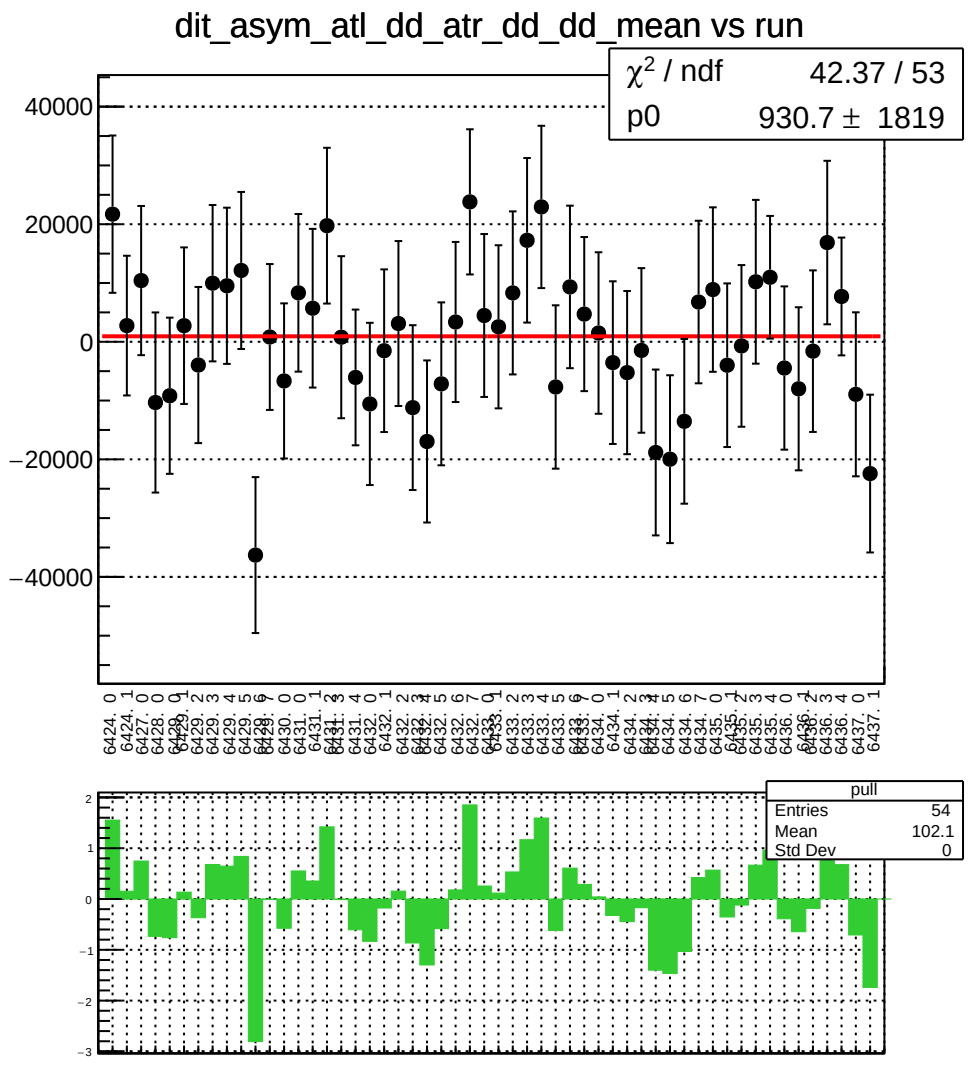

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 43.37 / 53
p0 922.4 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
pull1D
Entries 54
Mean −0.01715
Std Dev 0.896

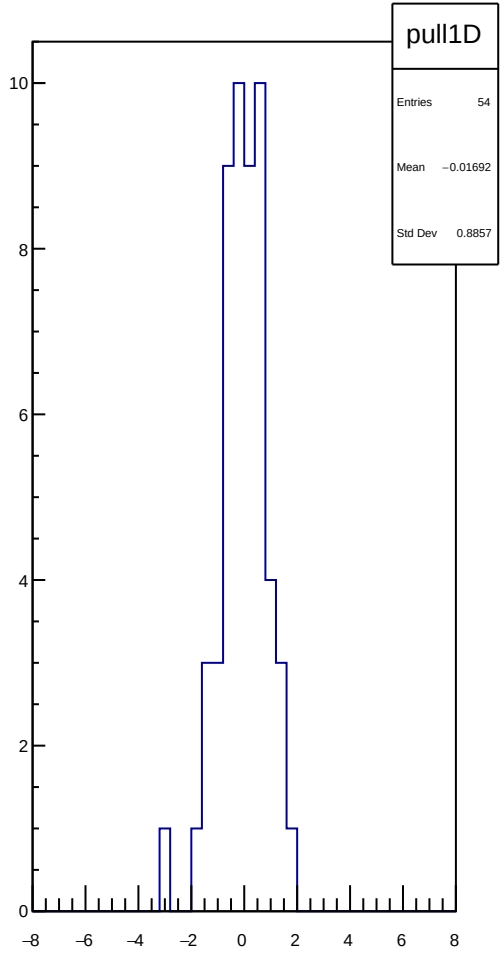

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

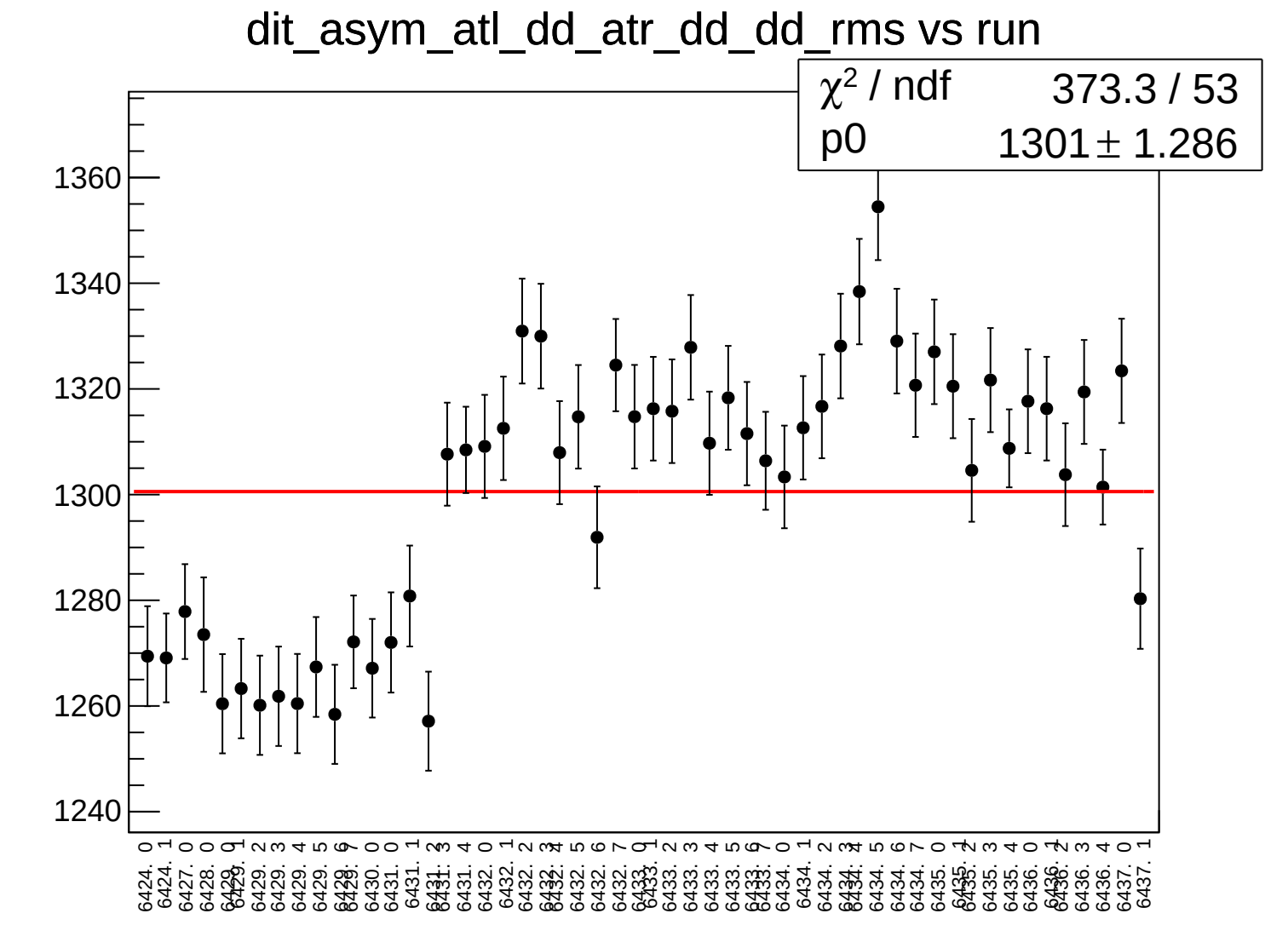

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.49 / 53
p0 −665 ± 972.3
pull
Entries 54
Mean 131.5
Std Dev 0

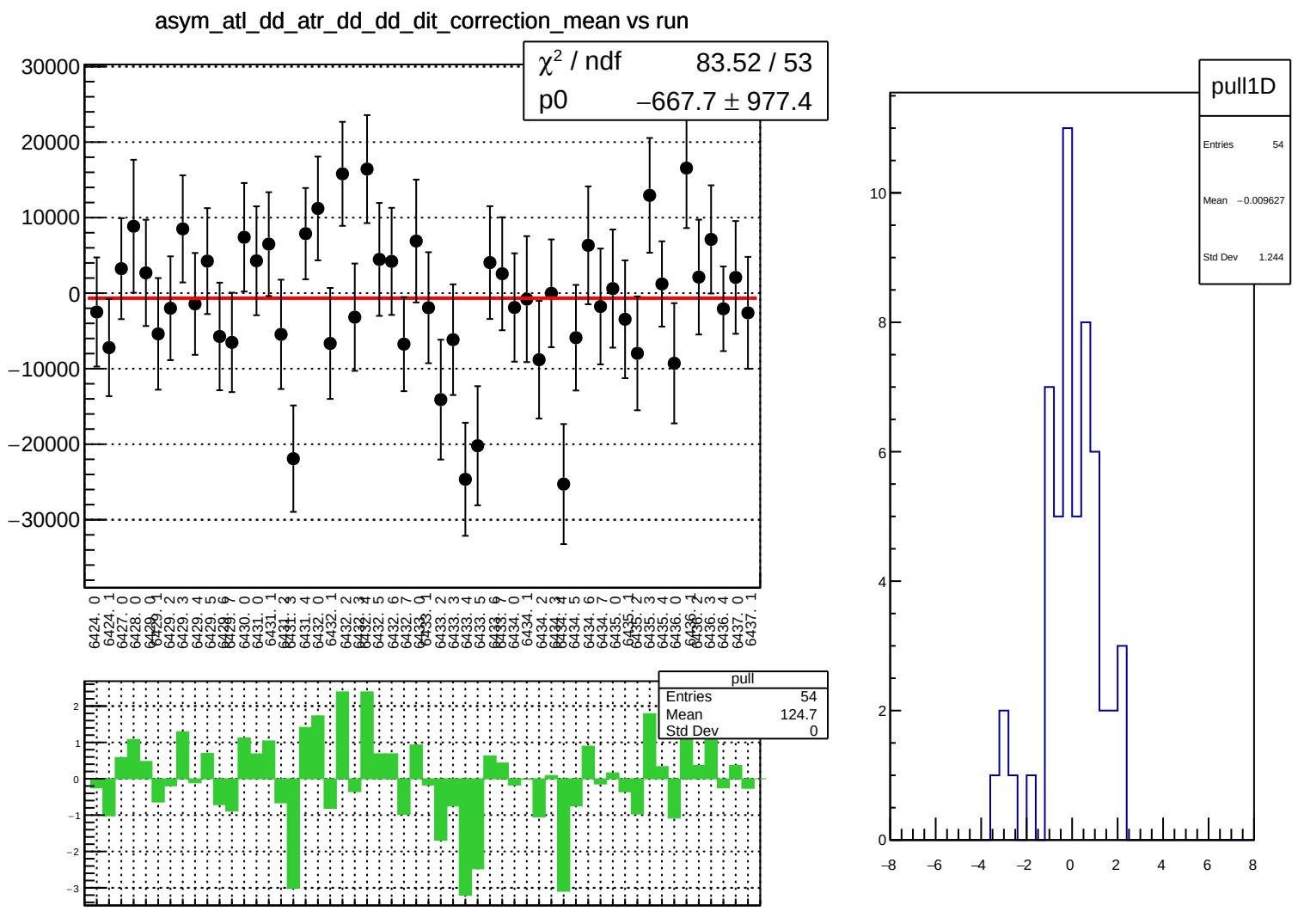

pull1D
Entries 54
Mean −0.01044
Std Dev 1.251

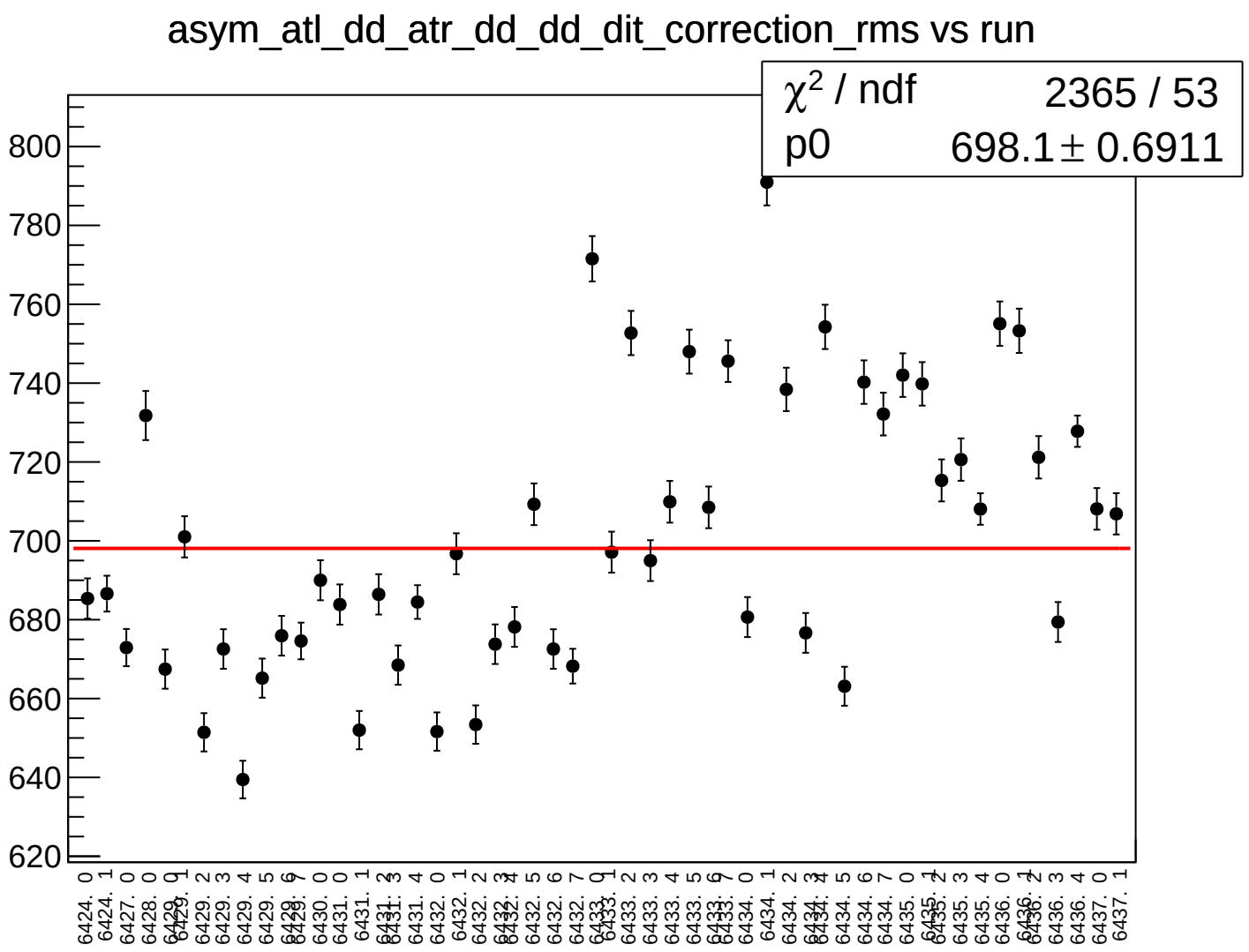

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

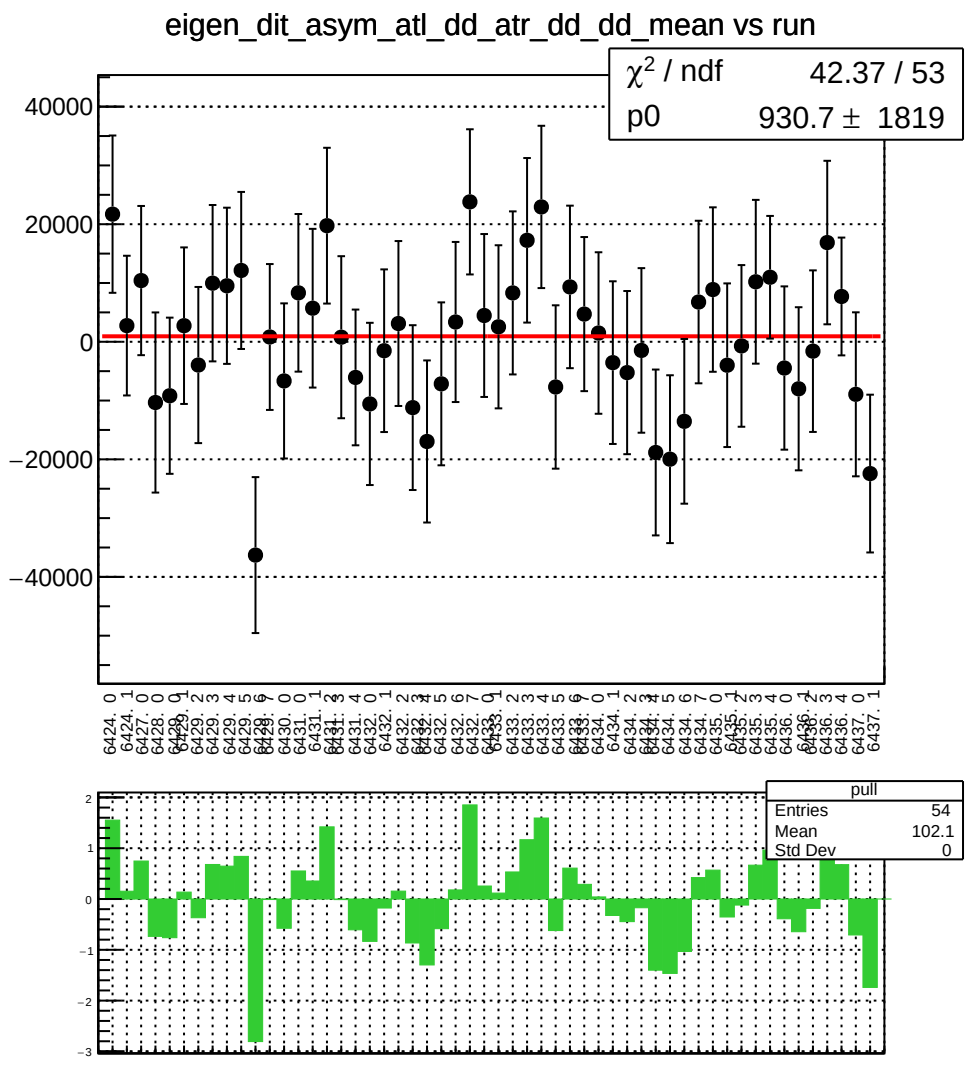

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 42.37 / 53
p0 930.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 102.1
Std Dev 0
2
1
0
−1
−2
−3

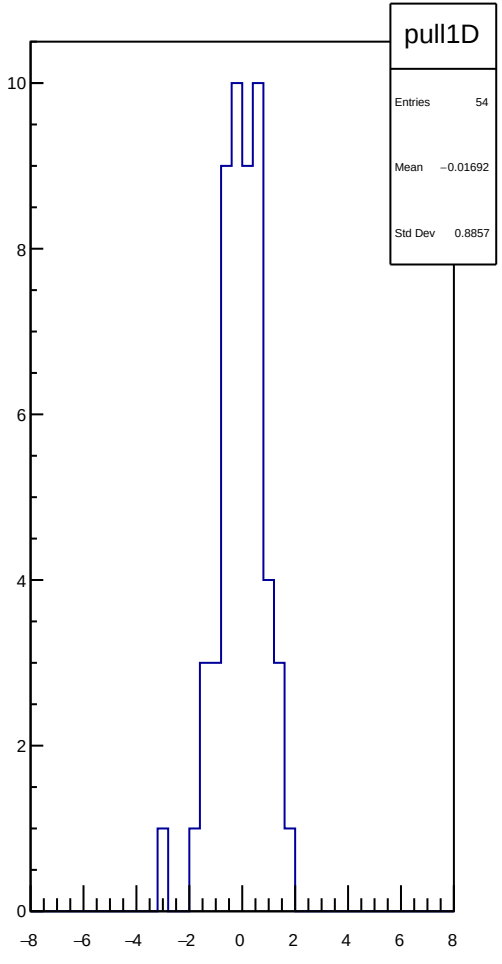

pull1D
Entries 54
Mean −0.01692
Std Dev 0.8857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

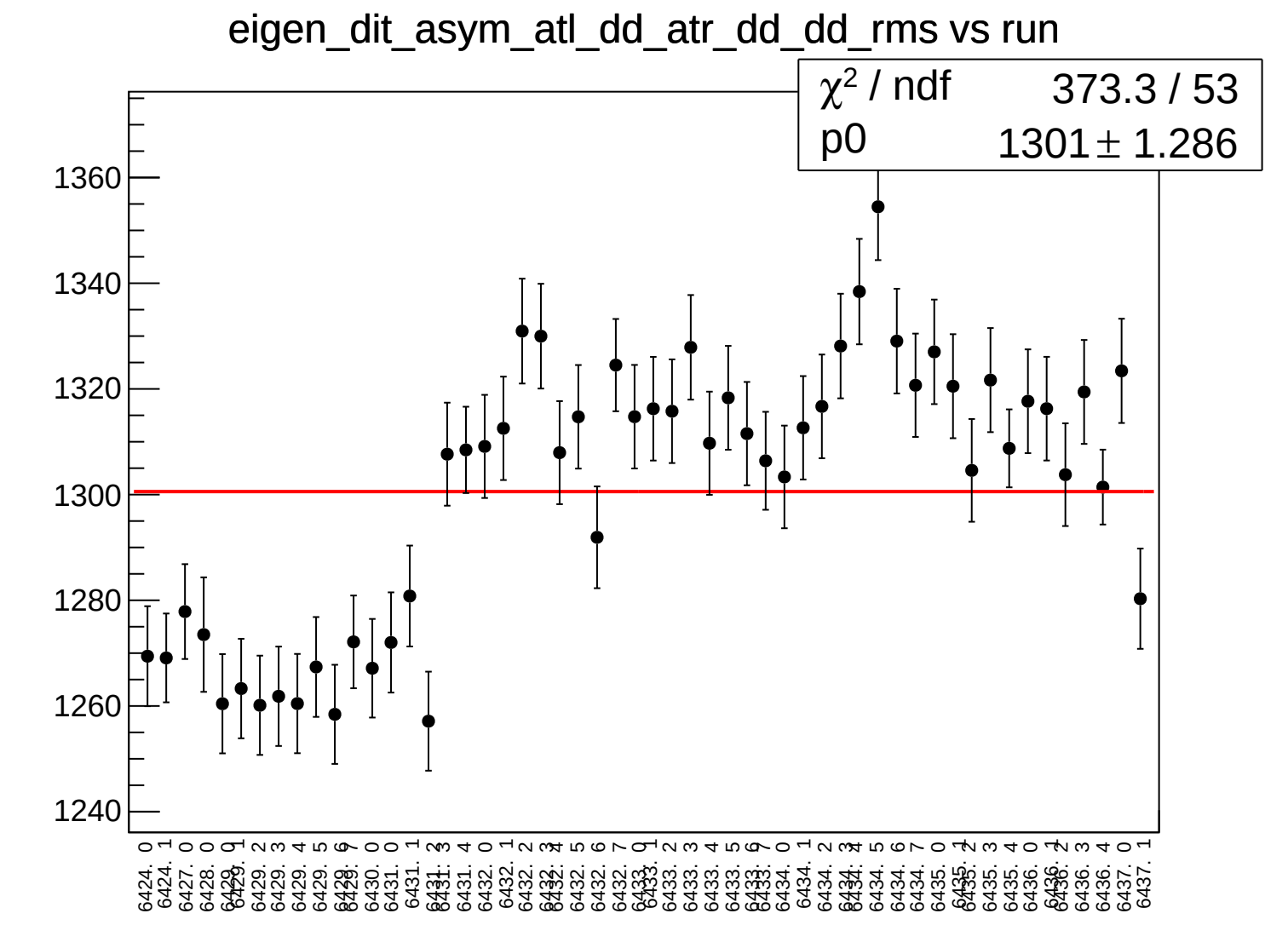

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 373.3 / 53
p0 1301 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

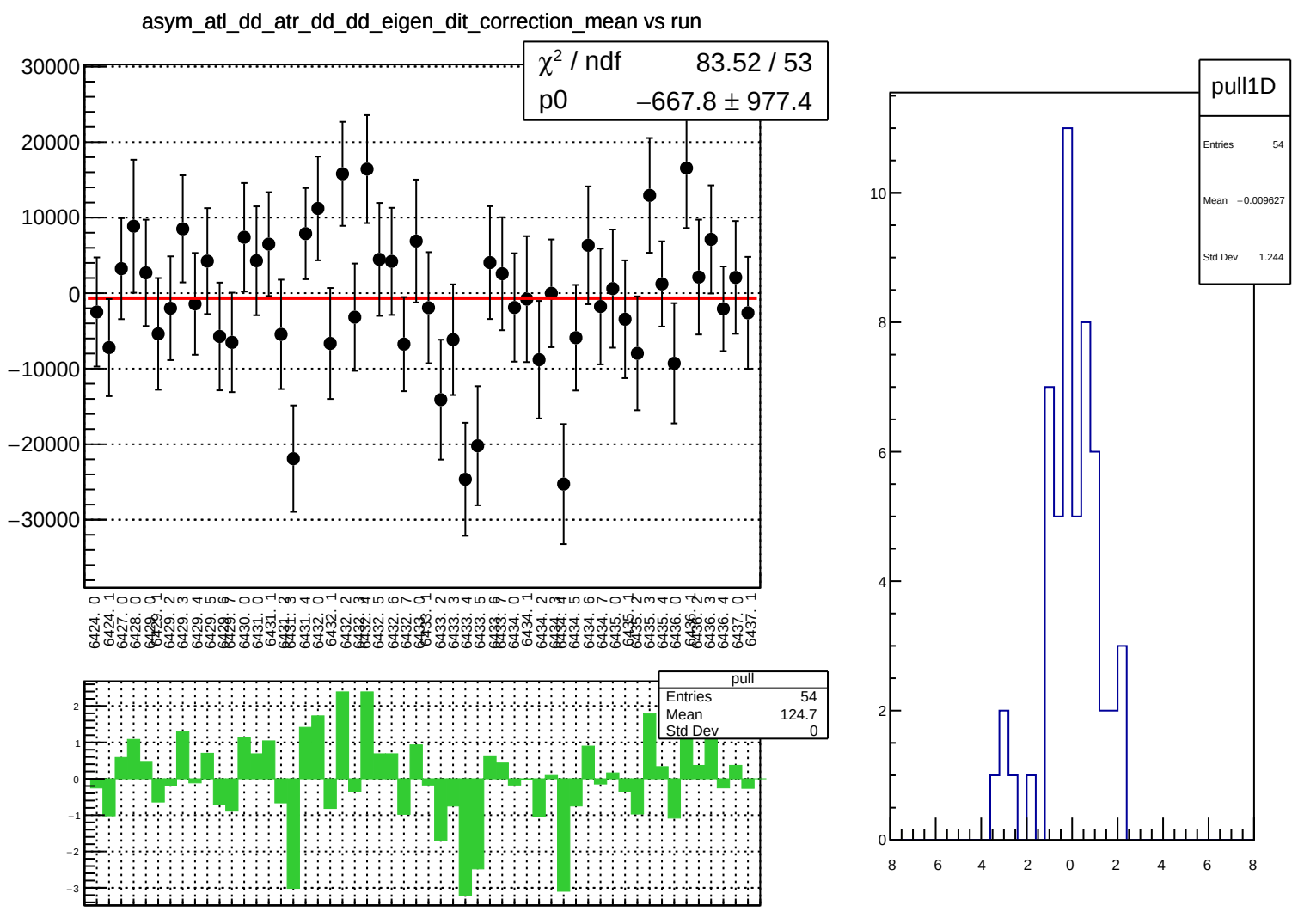

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 83.52 / 53
p0 −667.7 ± 977.4
pull
Entries 54
Mean 124.7
Std Dev 0
pull1D
Entries 54
Mean −0.009627
Std Dev 1.244

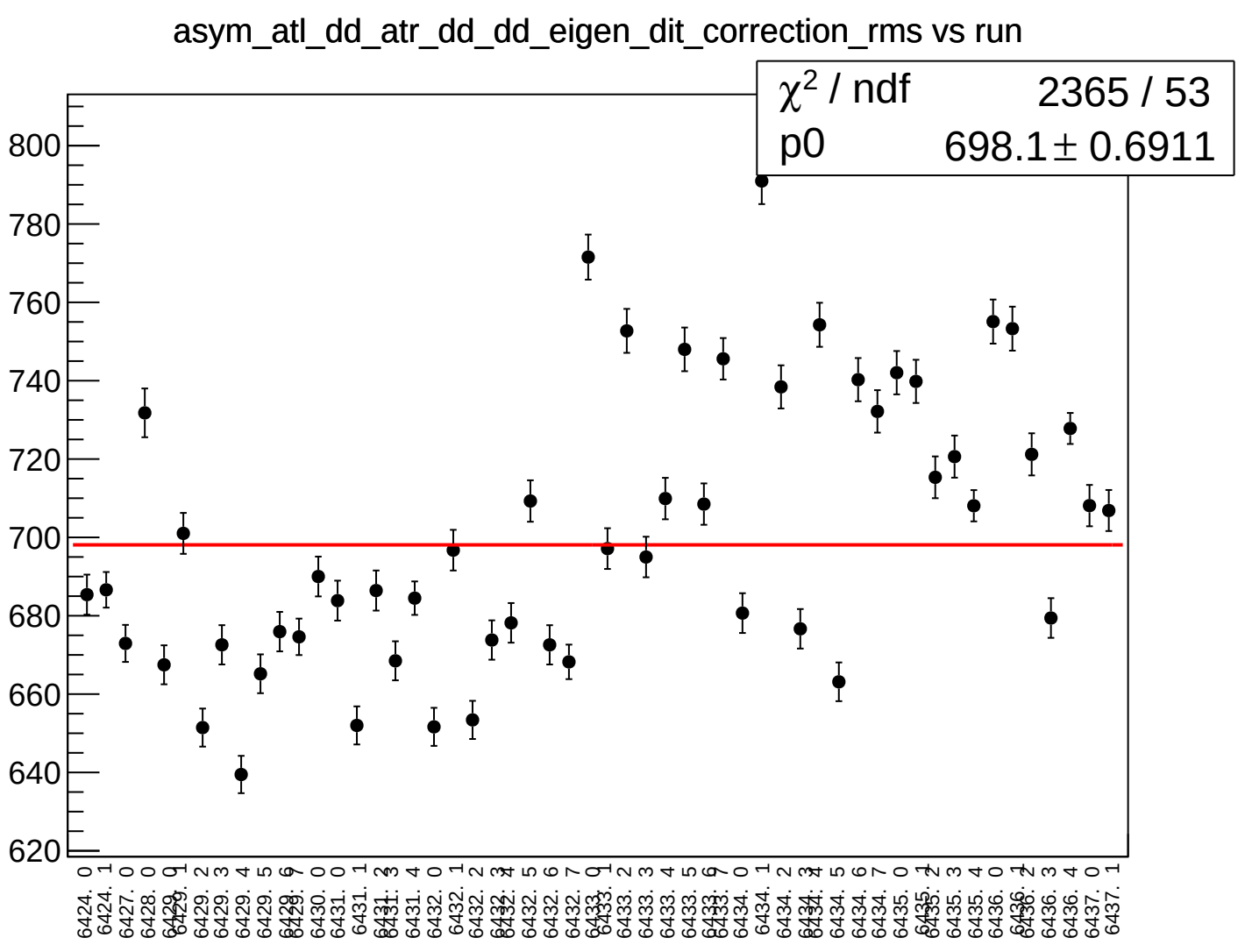

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 698.1 ± 0.6911
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

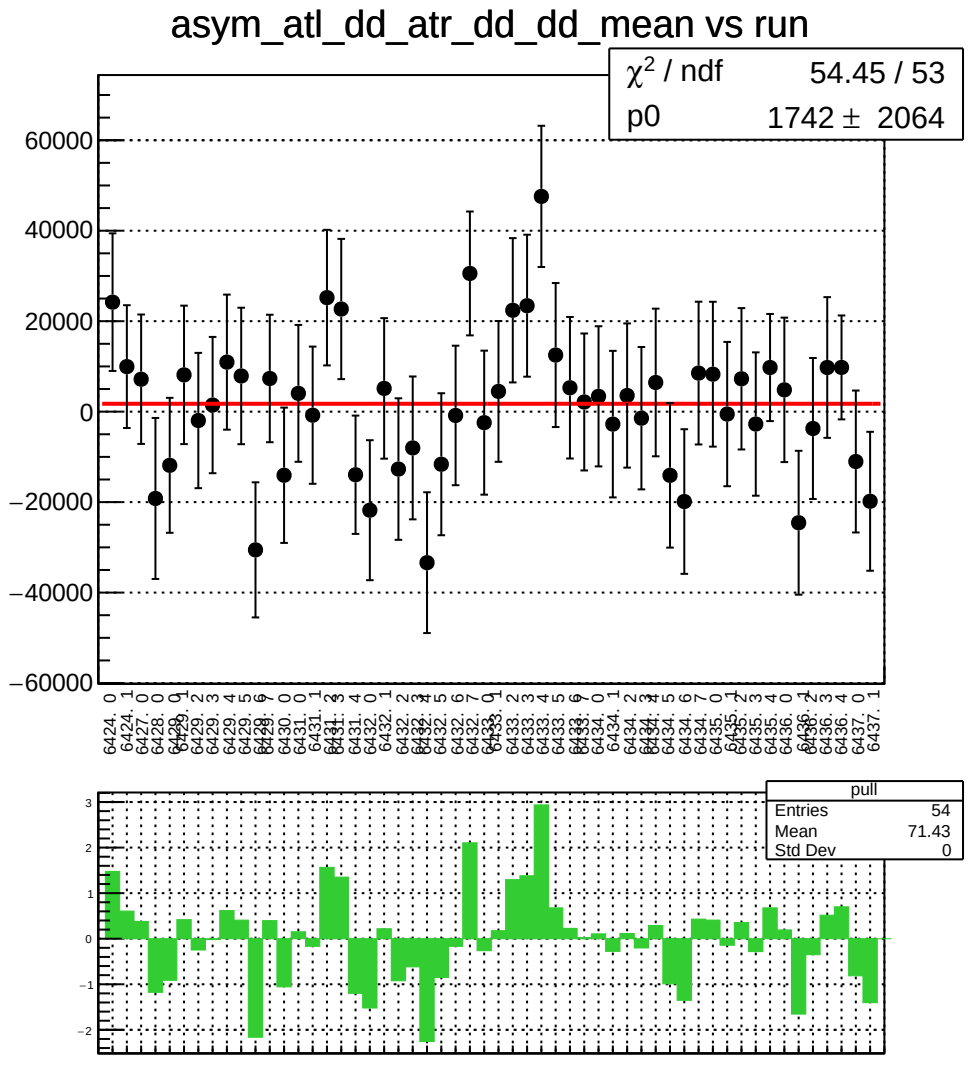

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 42.37 / 53
p0 930.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 102.1
Std Dev 0
2
1
0
−1
−2
−3

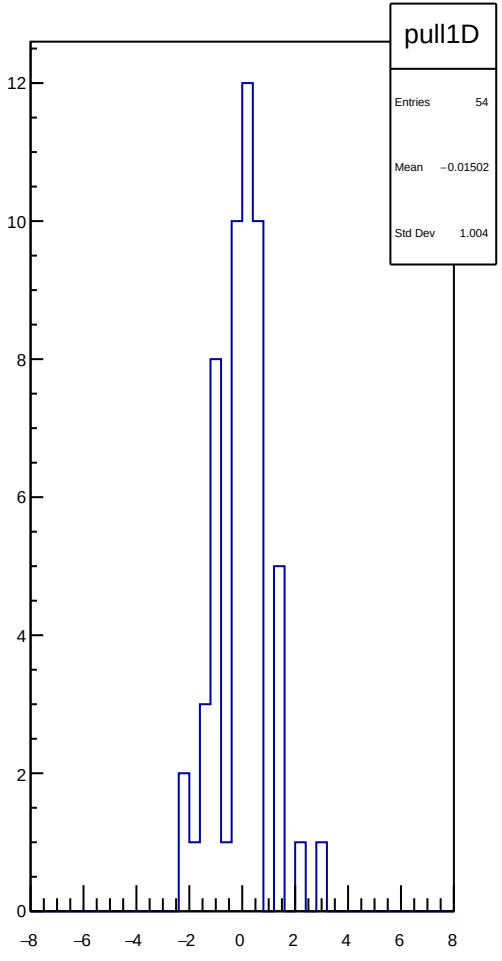

pull1D
Entries 54
Mean −0.01692
Std Dev 0.8857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

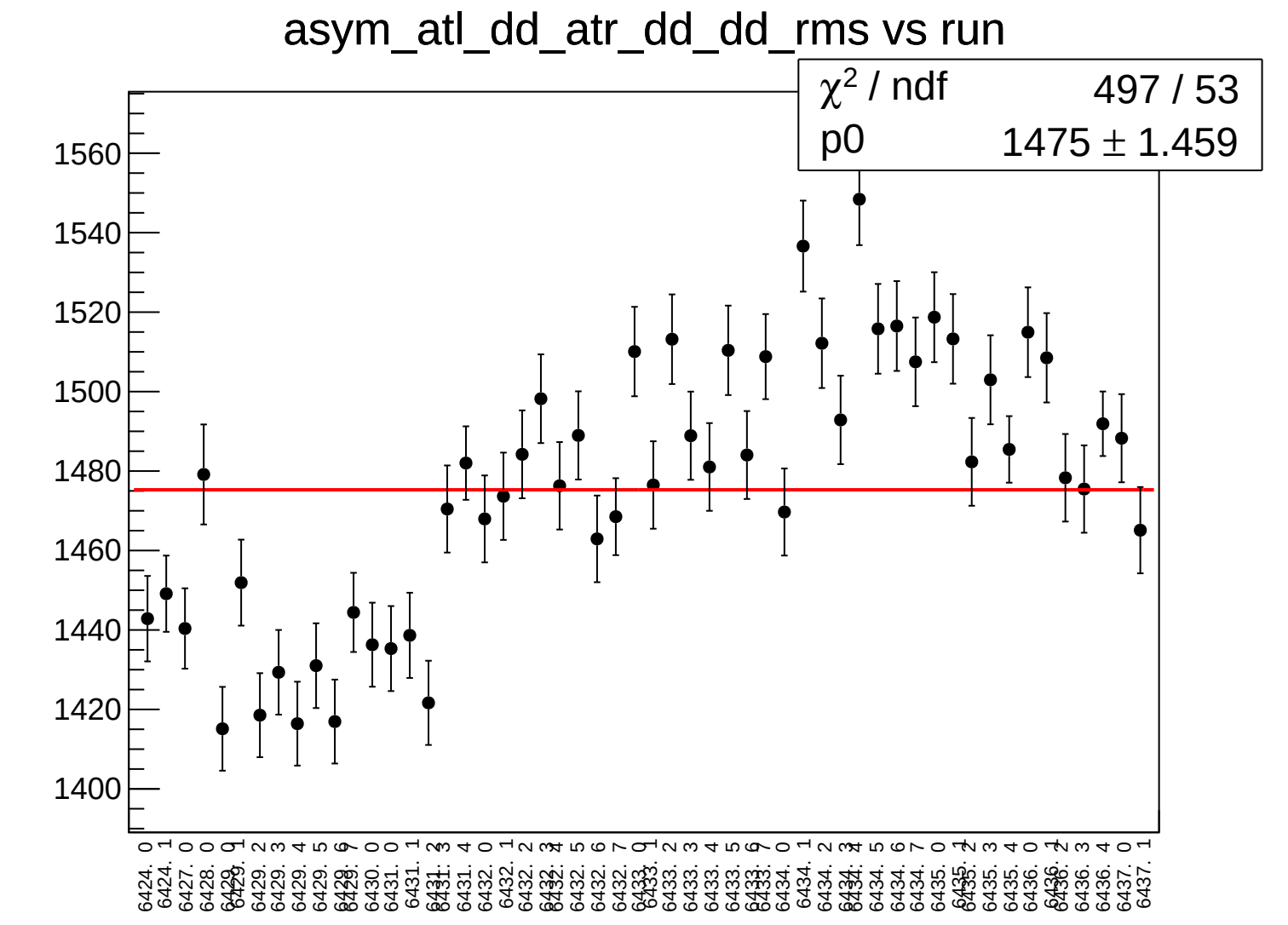

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 373.3 / 53
p0 1301 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

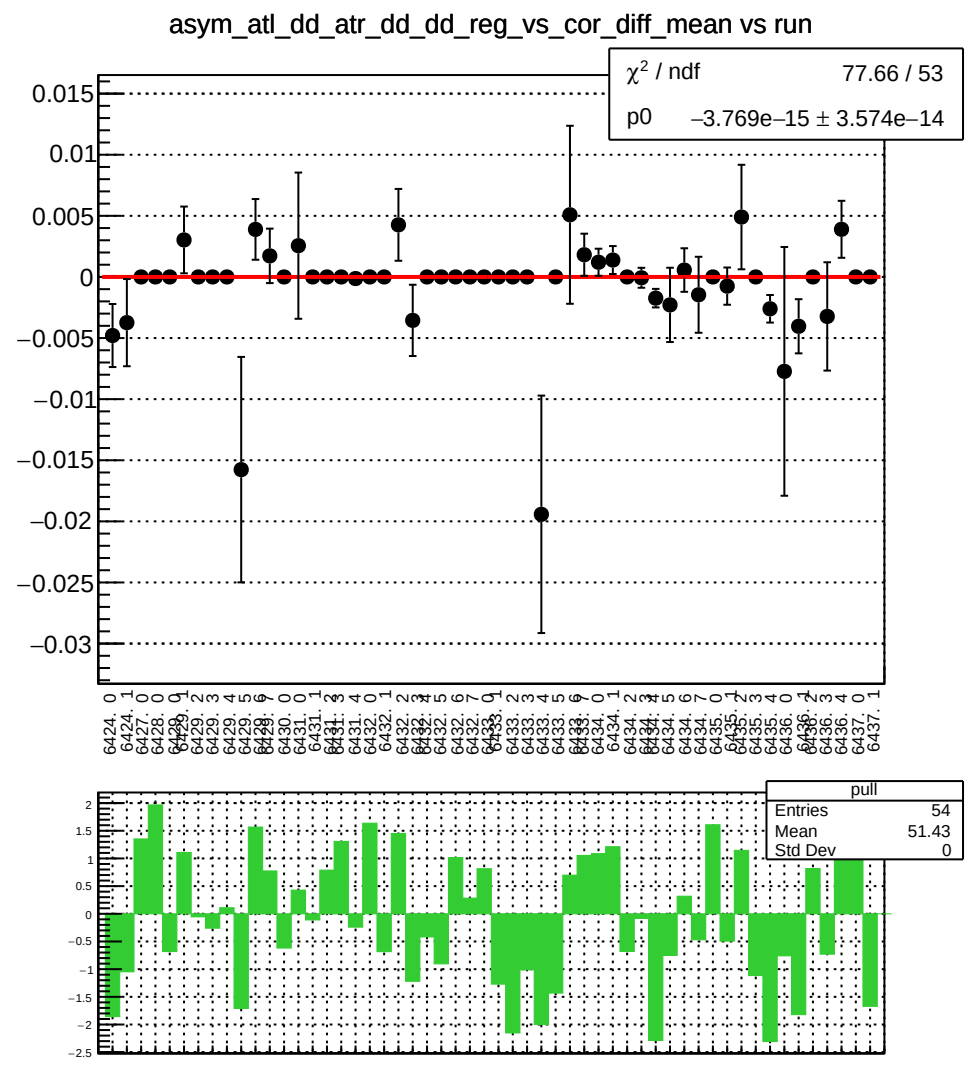

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.52 / 53
p0 −667.8 ± 977.4
pull
Entries 54
Mean 124.7
Std Dev 0
pull1D
Entries 54
Mean −0.009627
Std Dev 1.244

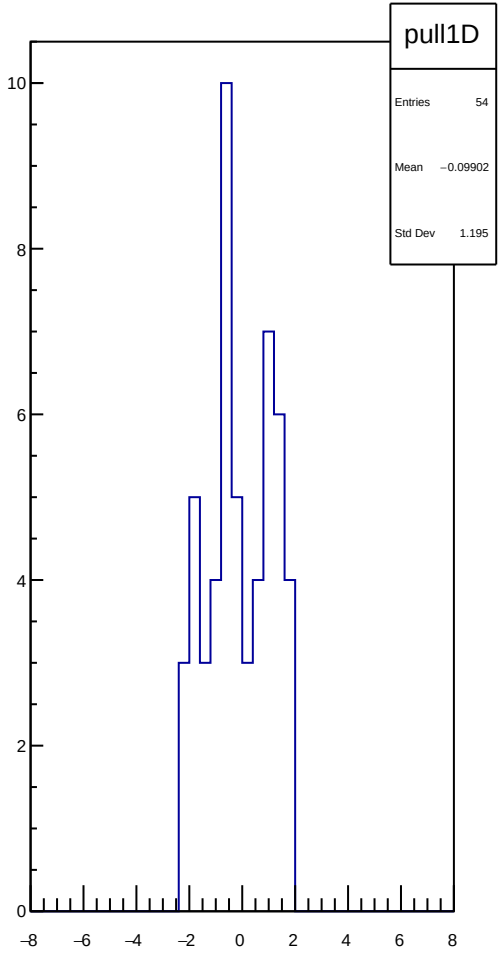

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 698.1 ± 0.6911
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

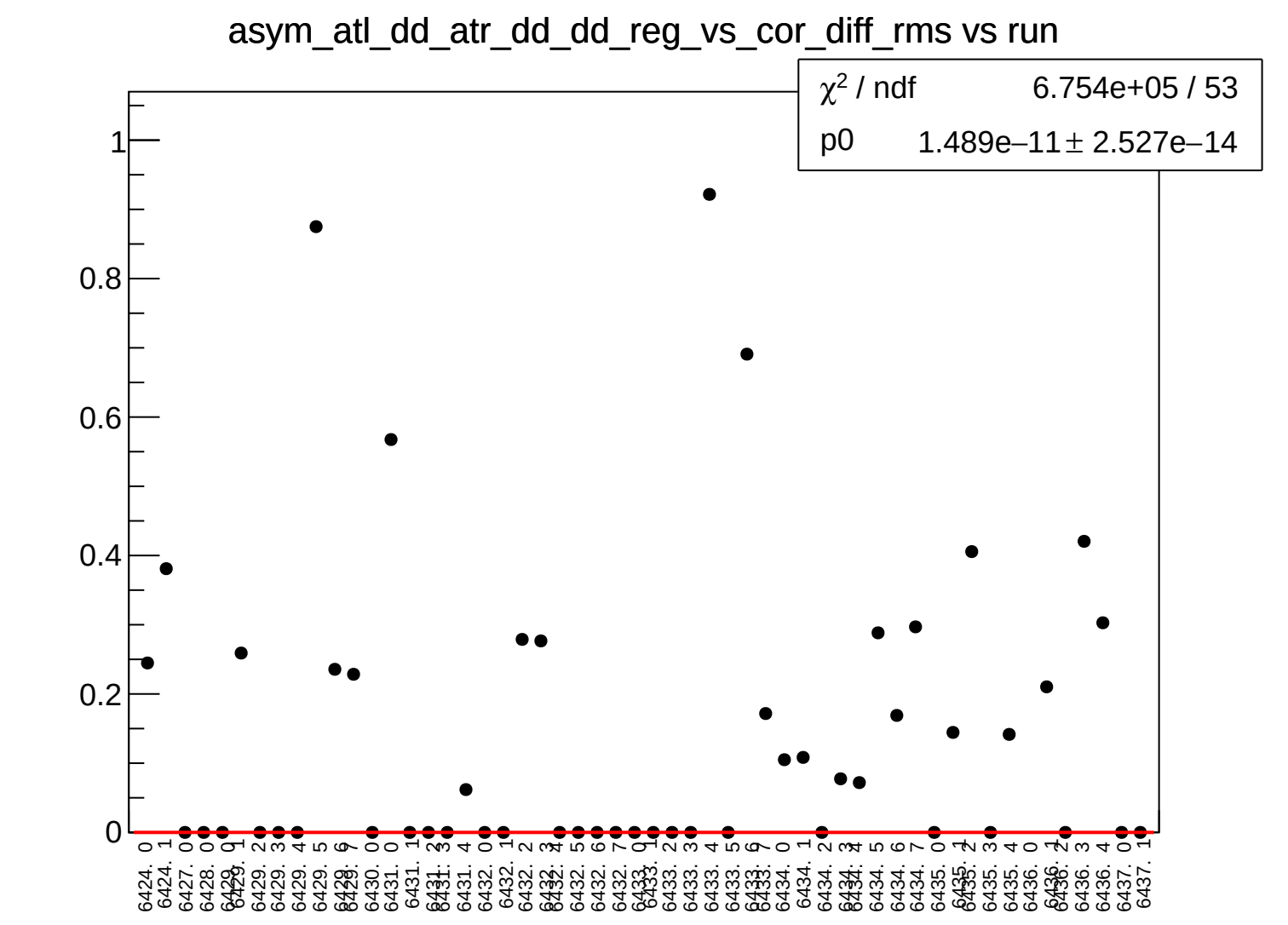

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 54.45 / 53
p0 1742 ± 2064
pull
Entries 54
Mean 71.43
Std Dev 0

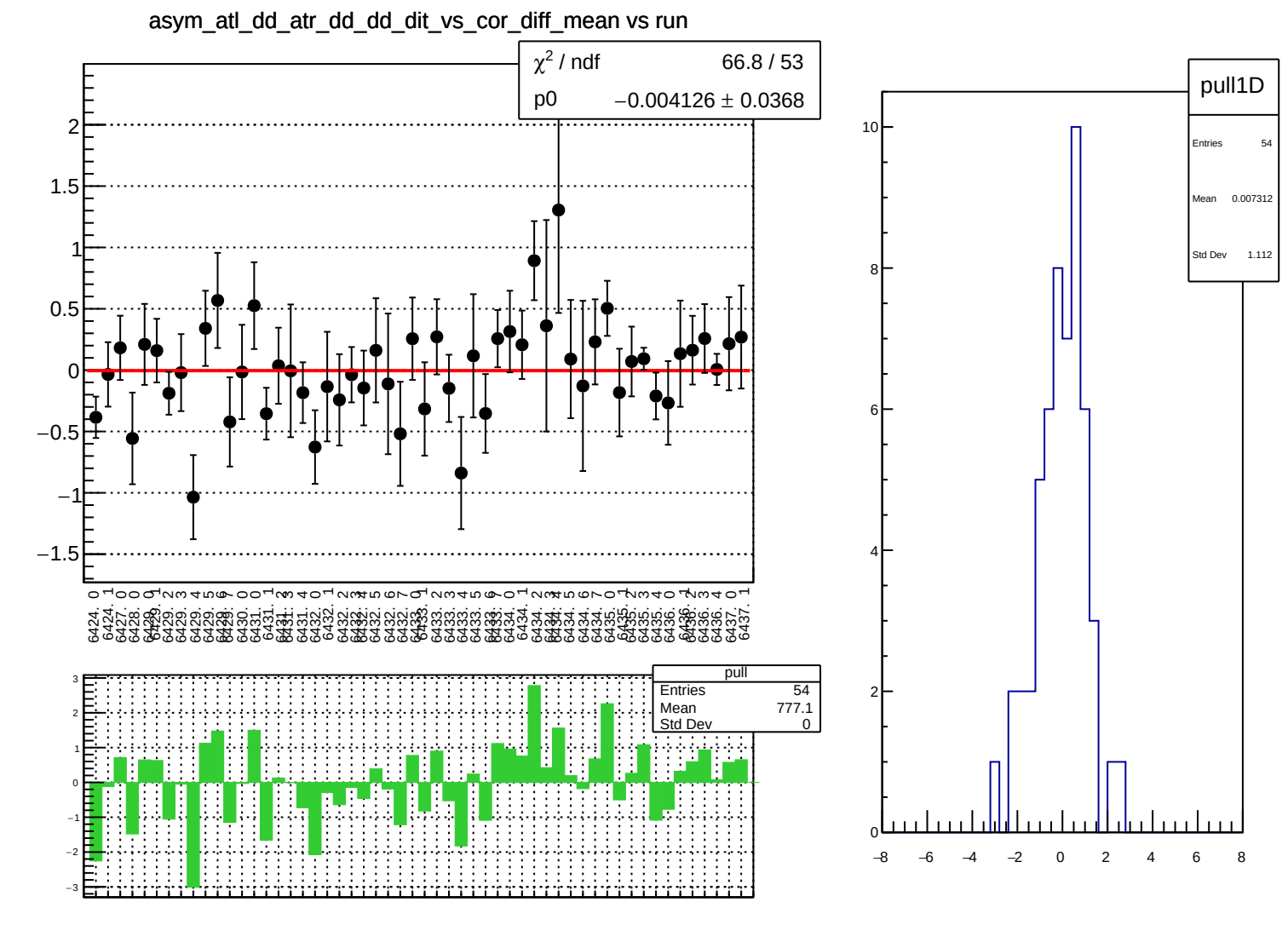

pull1D
Entries 54
Mean −0.01502
Std Dev 1.004

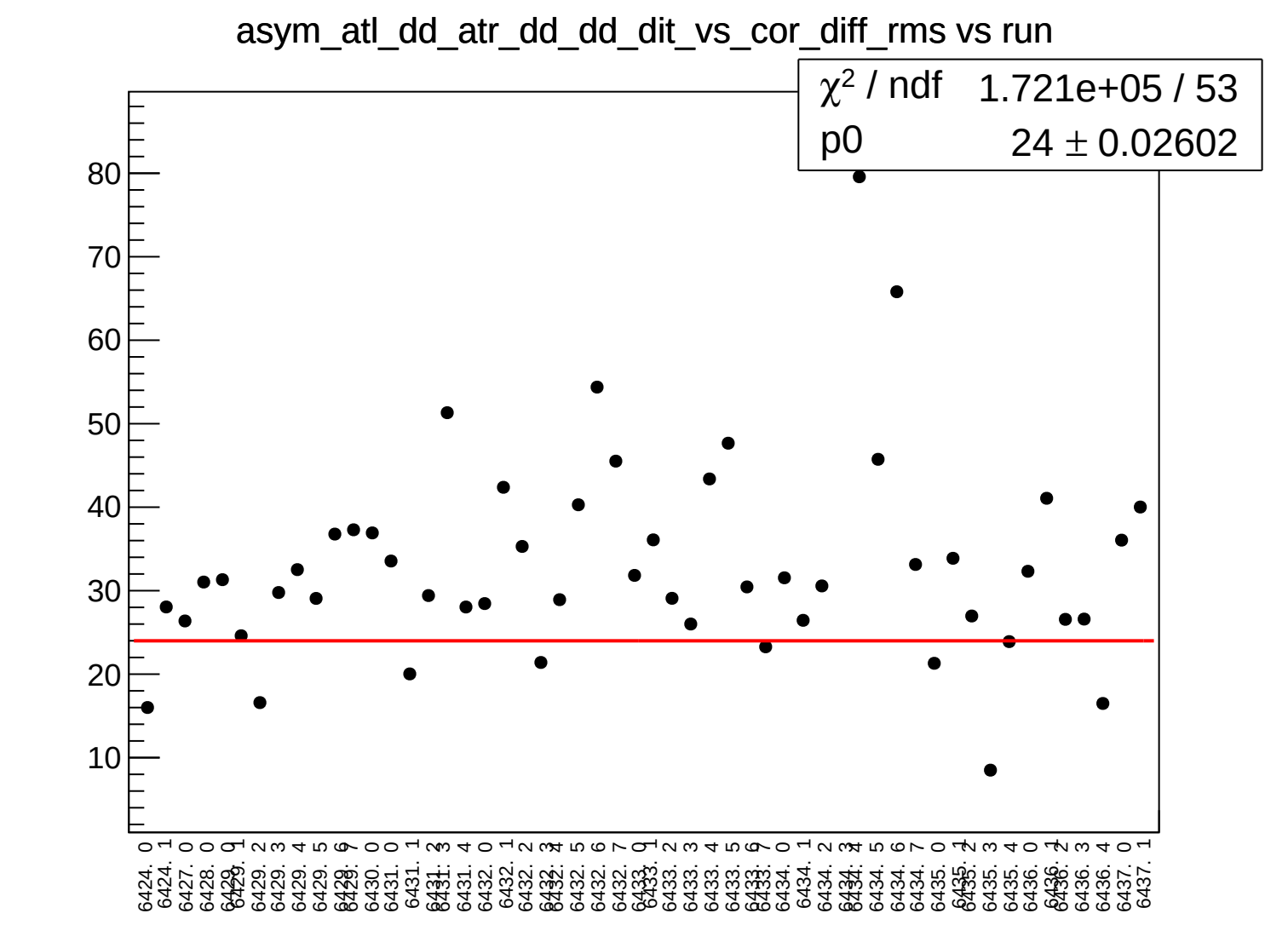

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 497 / 53
p0 1475 ± 1.459
1560
1540
1520
1500
1480
1460
1440
1420
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

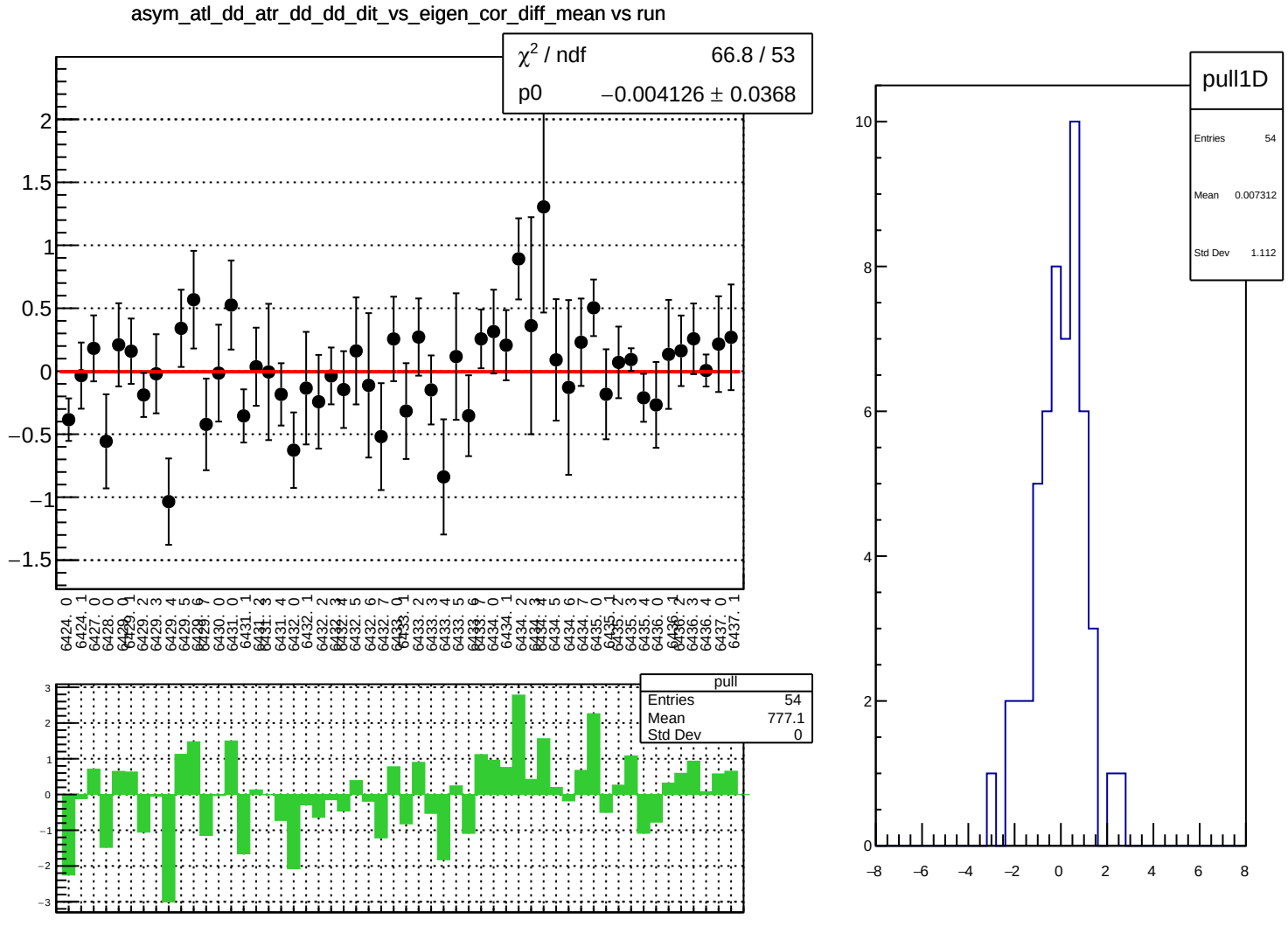

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.66 / 53
p0 −3.769e−15 ± 3.574e−14
pull
Entries 54
Mean 51.43
Std Dev 0

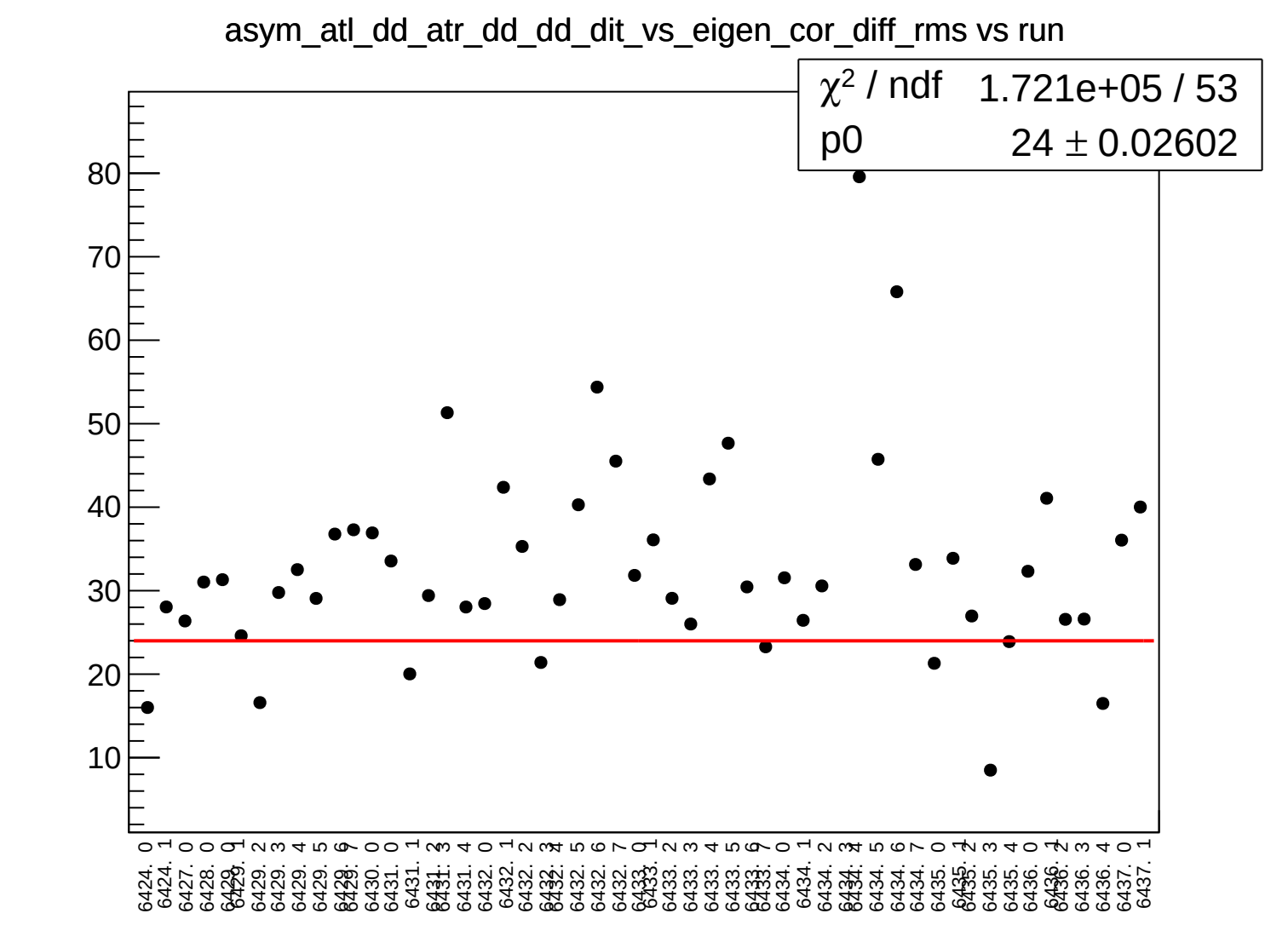

pull1D
Entries 54
Mean −0.09902
Std Dev 1.195

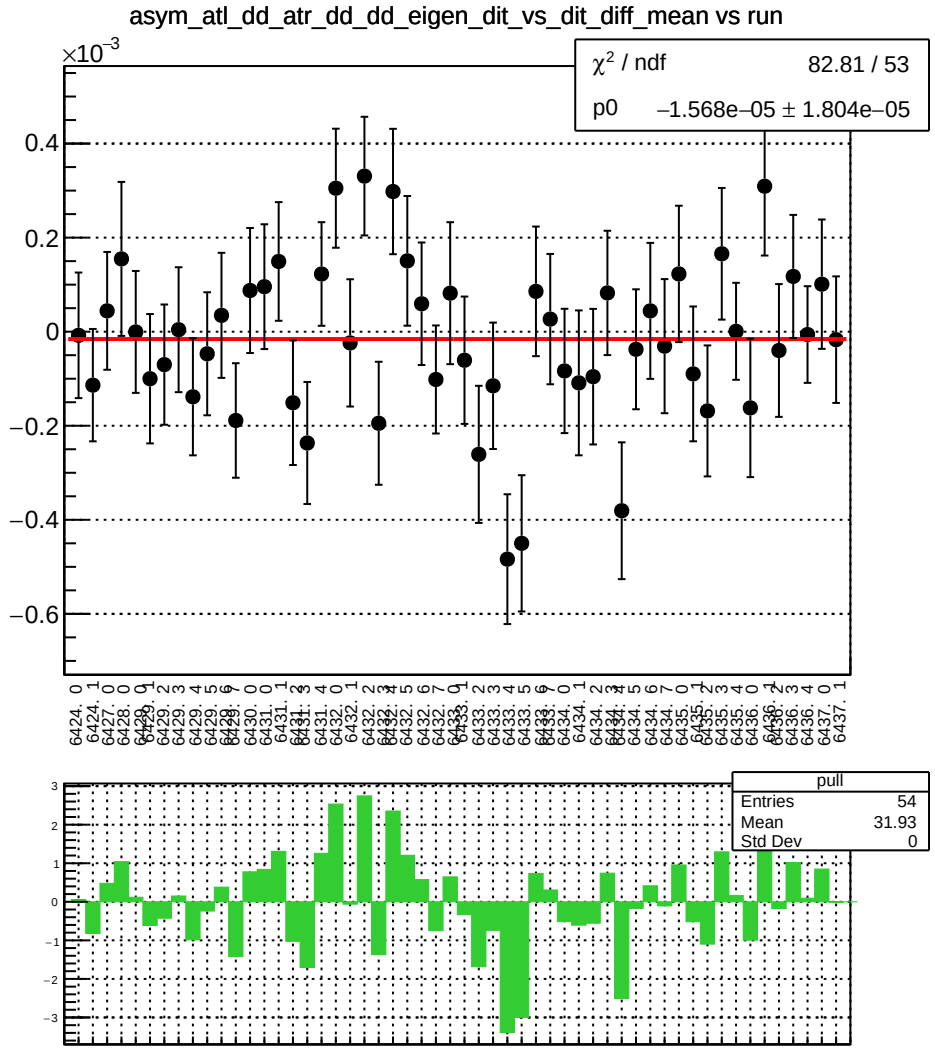

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.754e+05 / 53
p0 1.489e−11 ± 2.527e−14
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

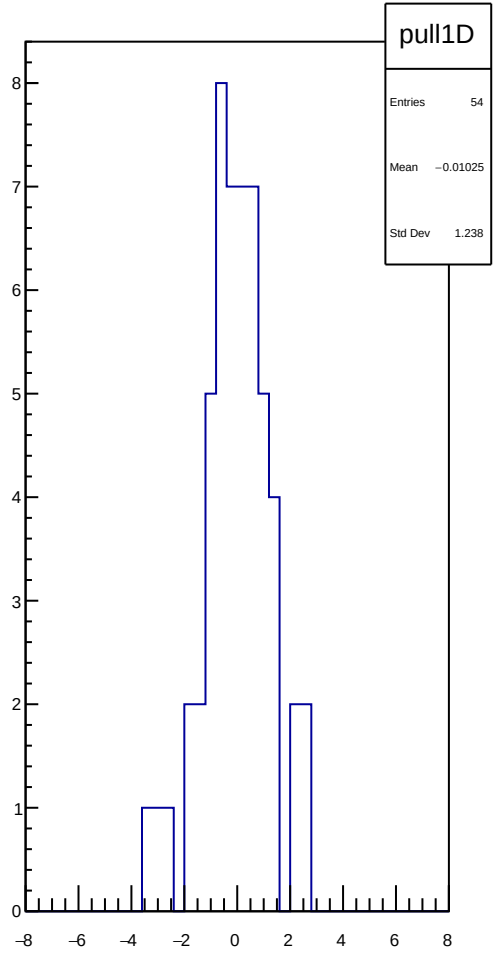

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004126 ± 0.0368
pull
Entries 54
Mean 777.1
Std Dev 0
pull1D
Entries 54
Mean 0.007312
Std Dev 1.112

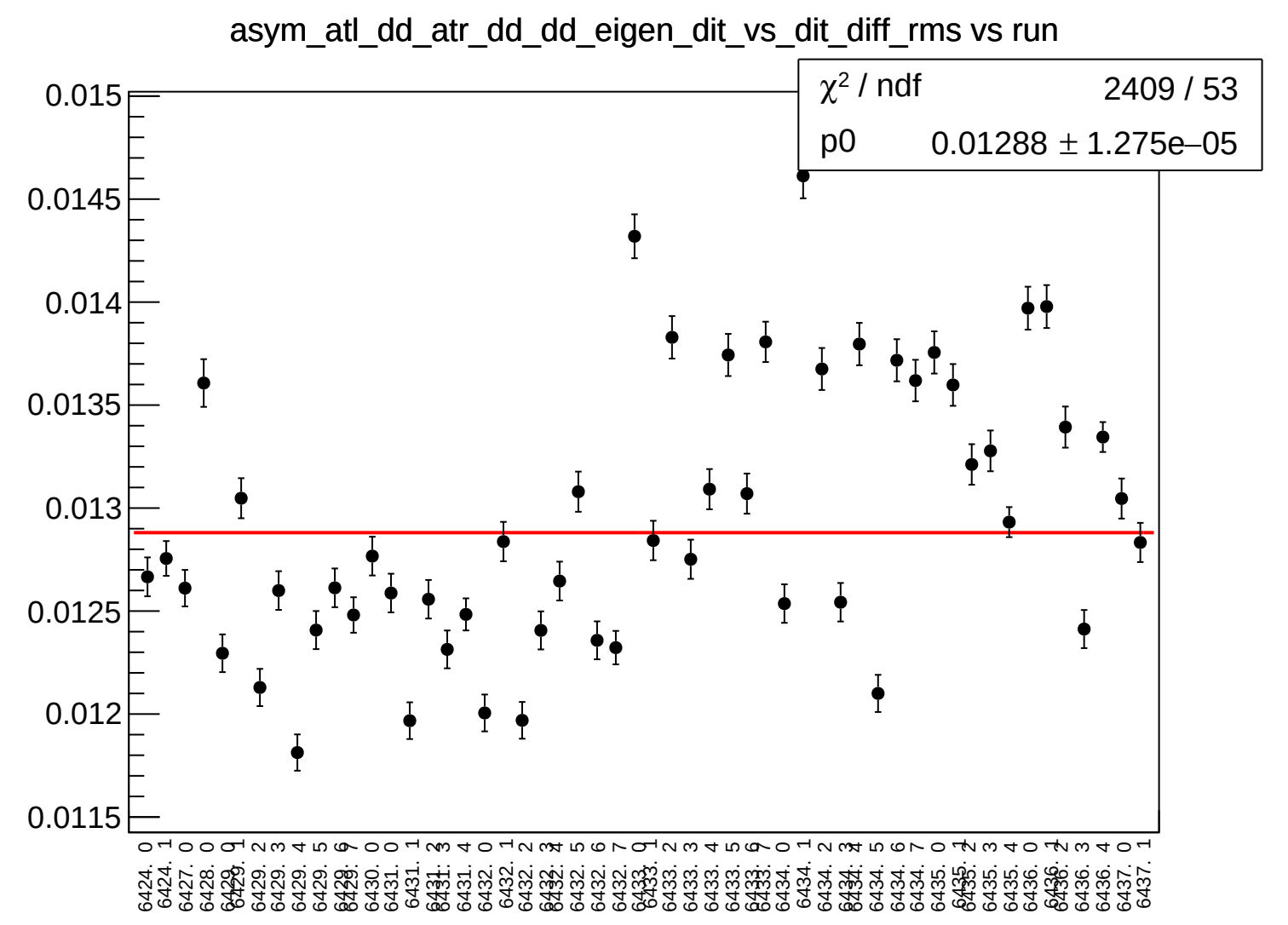

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.721e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

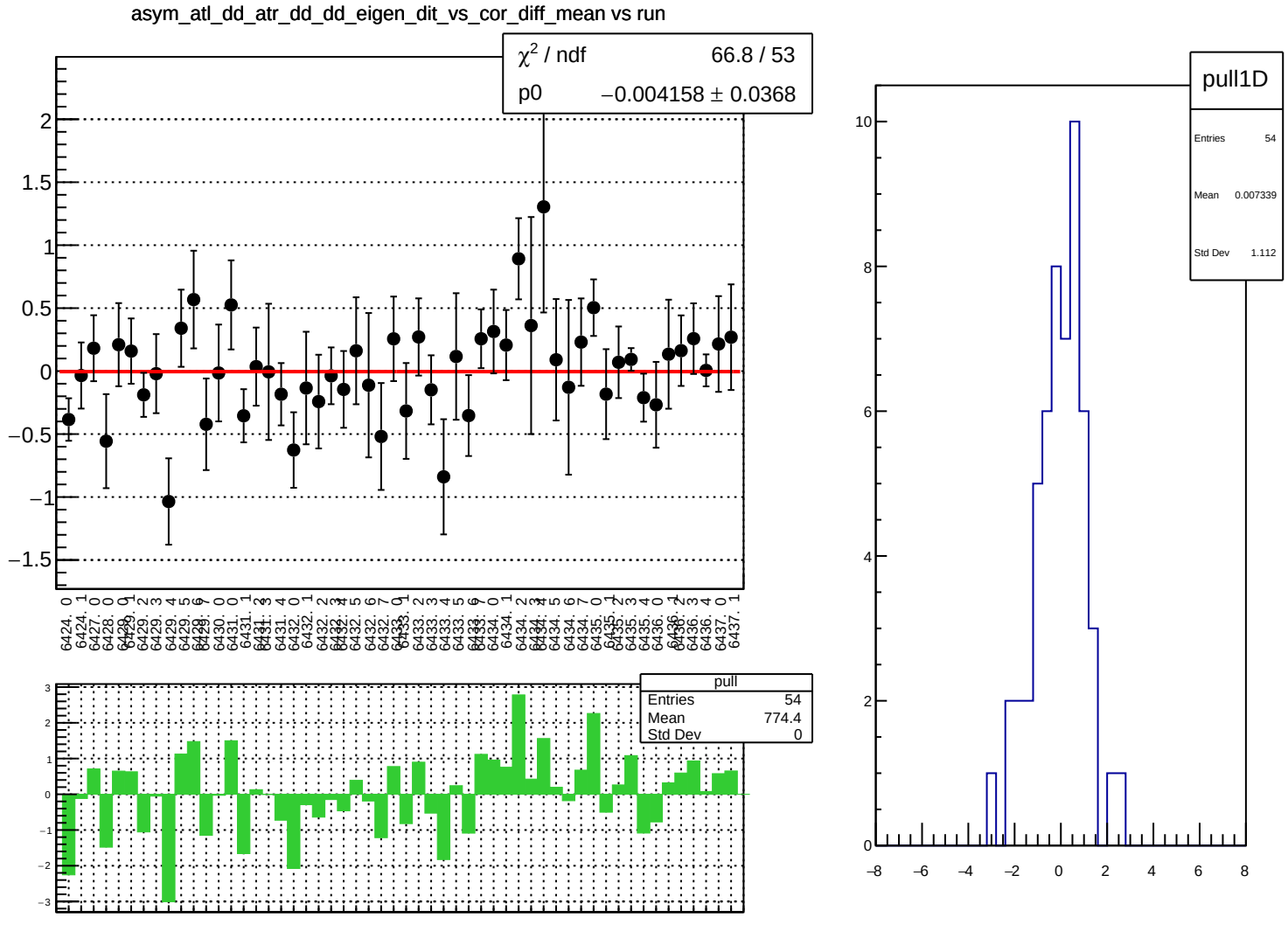

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004126 ± 0.0368
pull
Entries 54
Mean 777.1
Std Dev 0
pull1D
Entries 54
Mean 0.007312
Std Dev 1.112

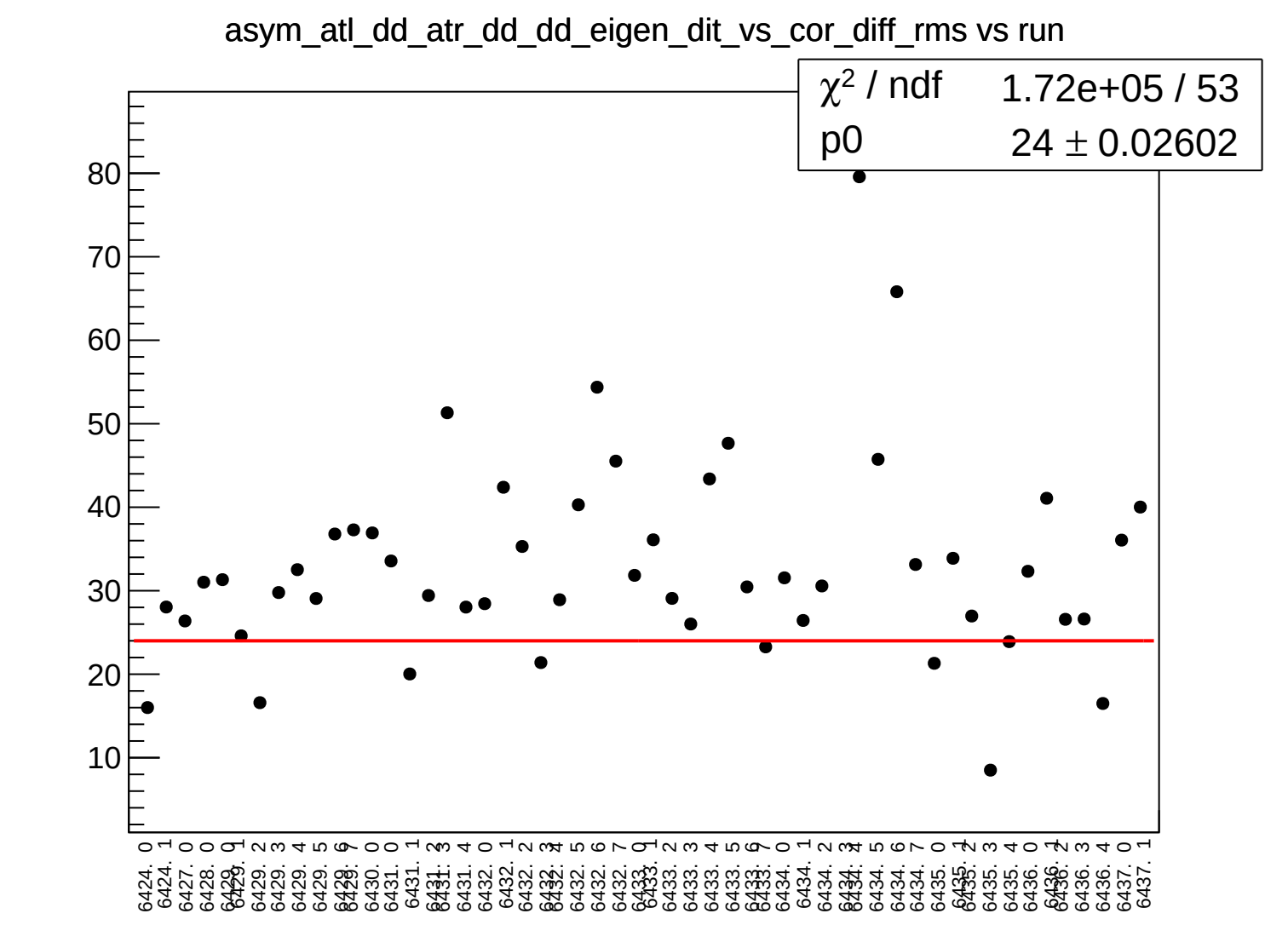

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.721e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

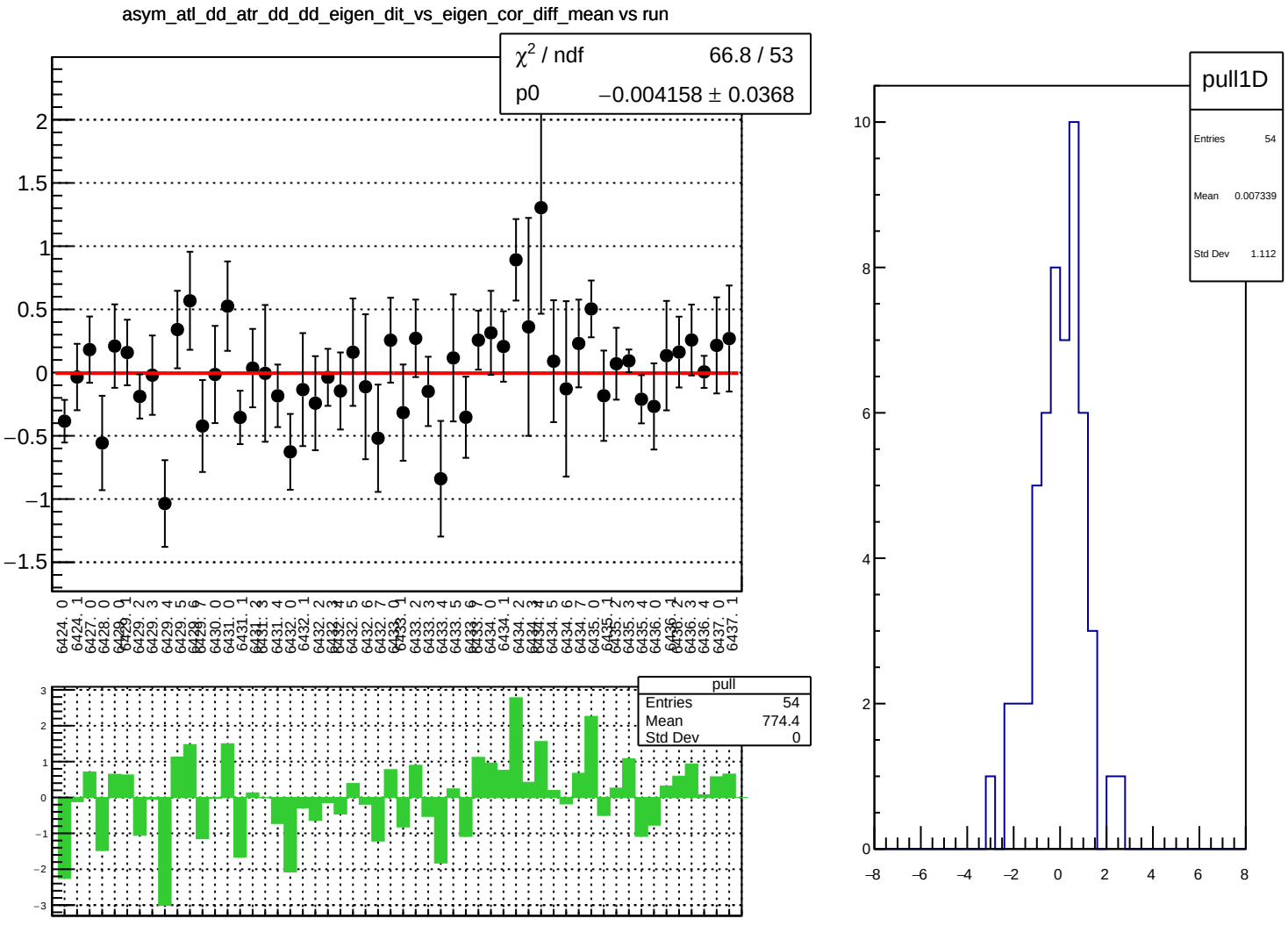

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.81 / 53
p0 −1.568e−05 ± 1.804e−05
pull
Entries 54
Mean 31.93
Std Dev 0

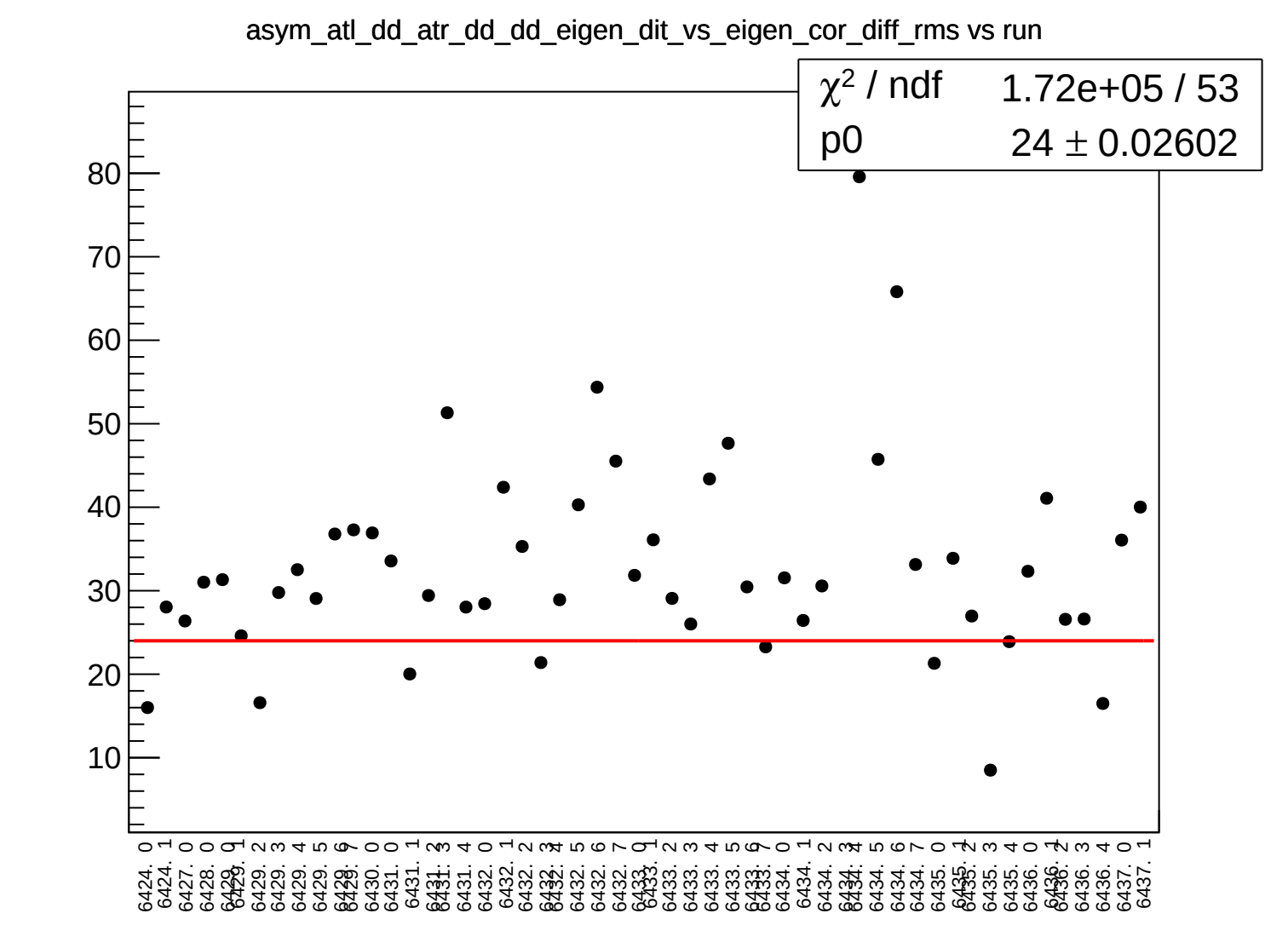

pull1D
Entries 54
Mean −0.01025
Std Dev 1.238

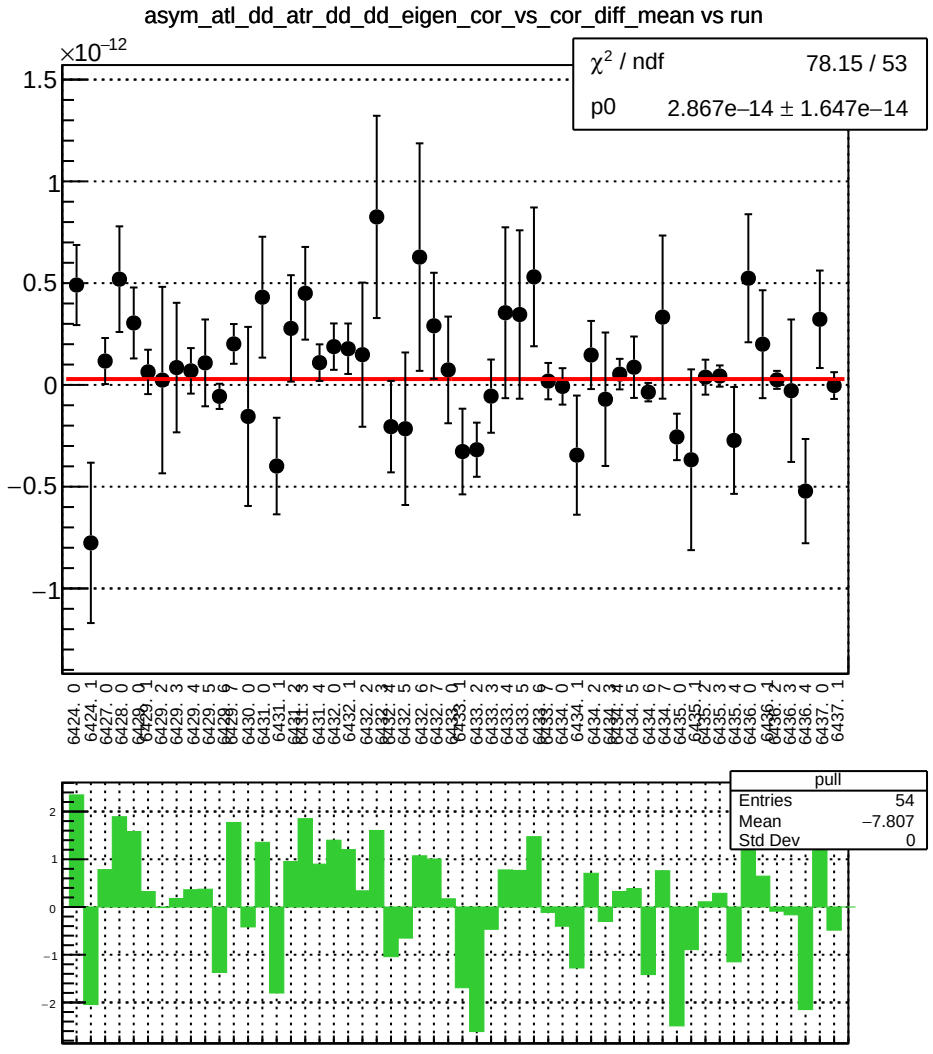

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2409 / 53
p0 0.01288 ± 1.275e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

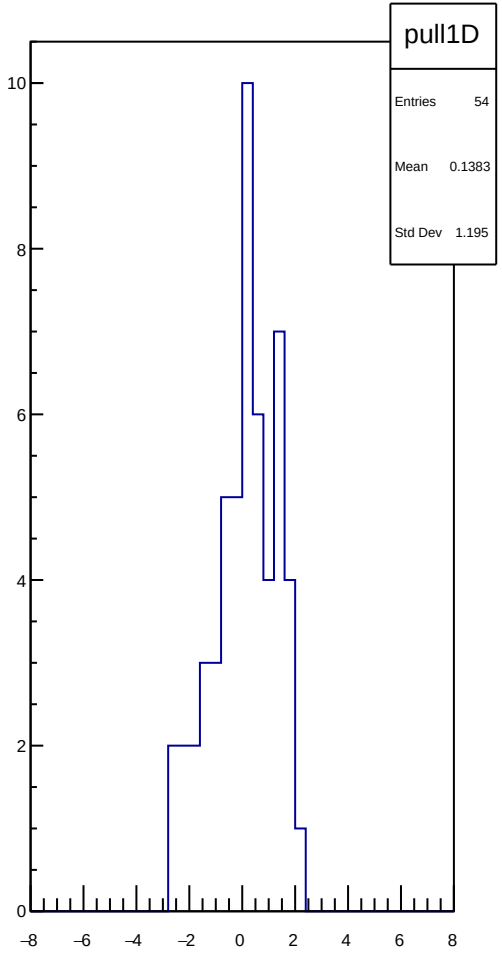

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004158 ± 0.0368
pull
Entries 54
Mean 774.4
Std Dev 0
pull1D
Entries 54
Mean 0.007339
Std Dev 1.112

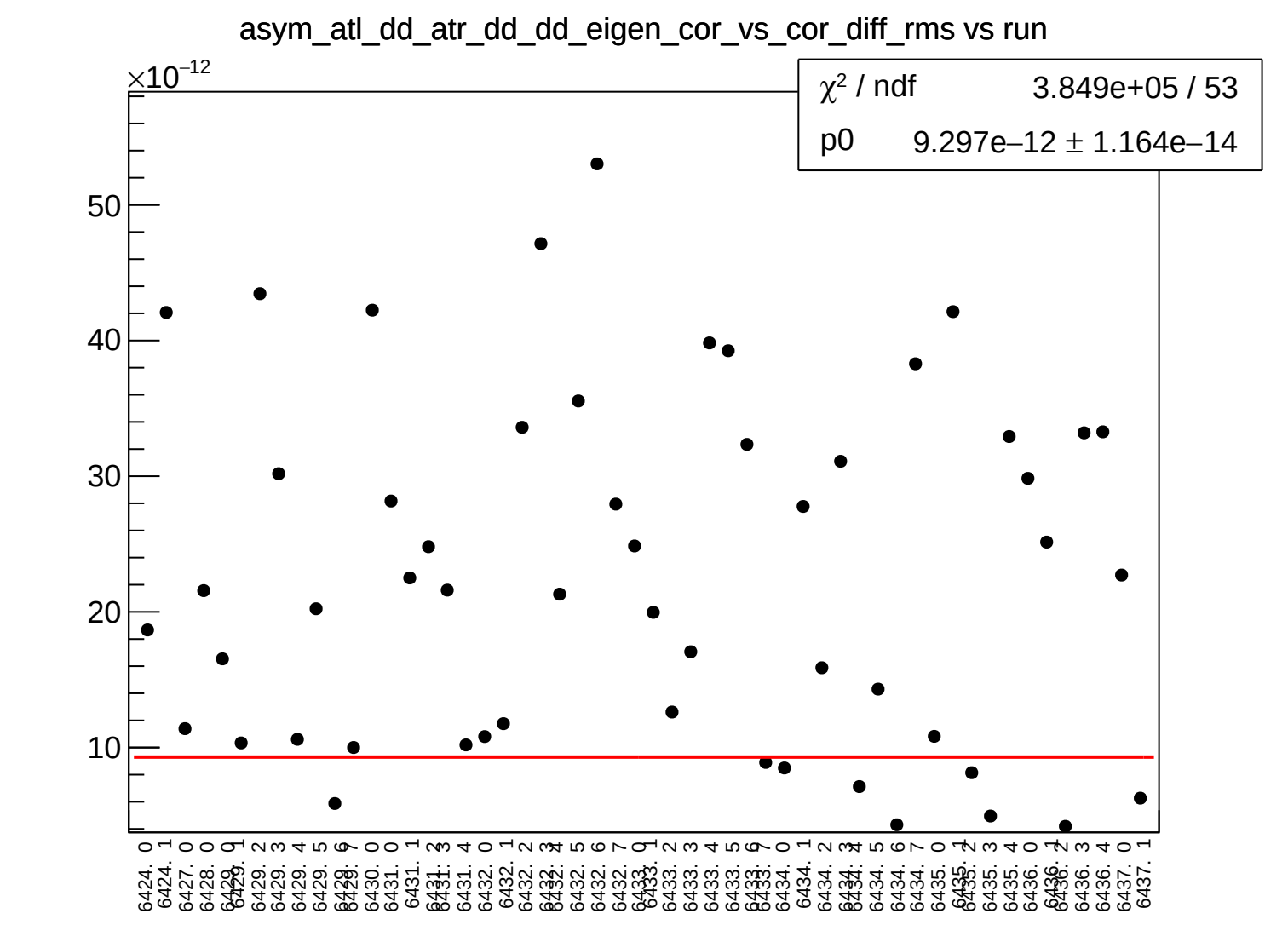

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.72e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

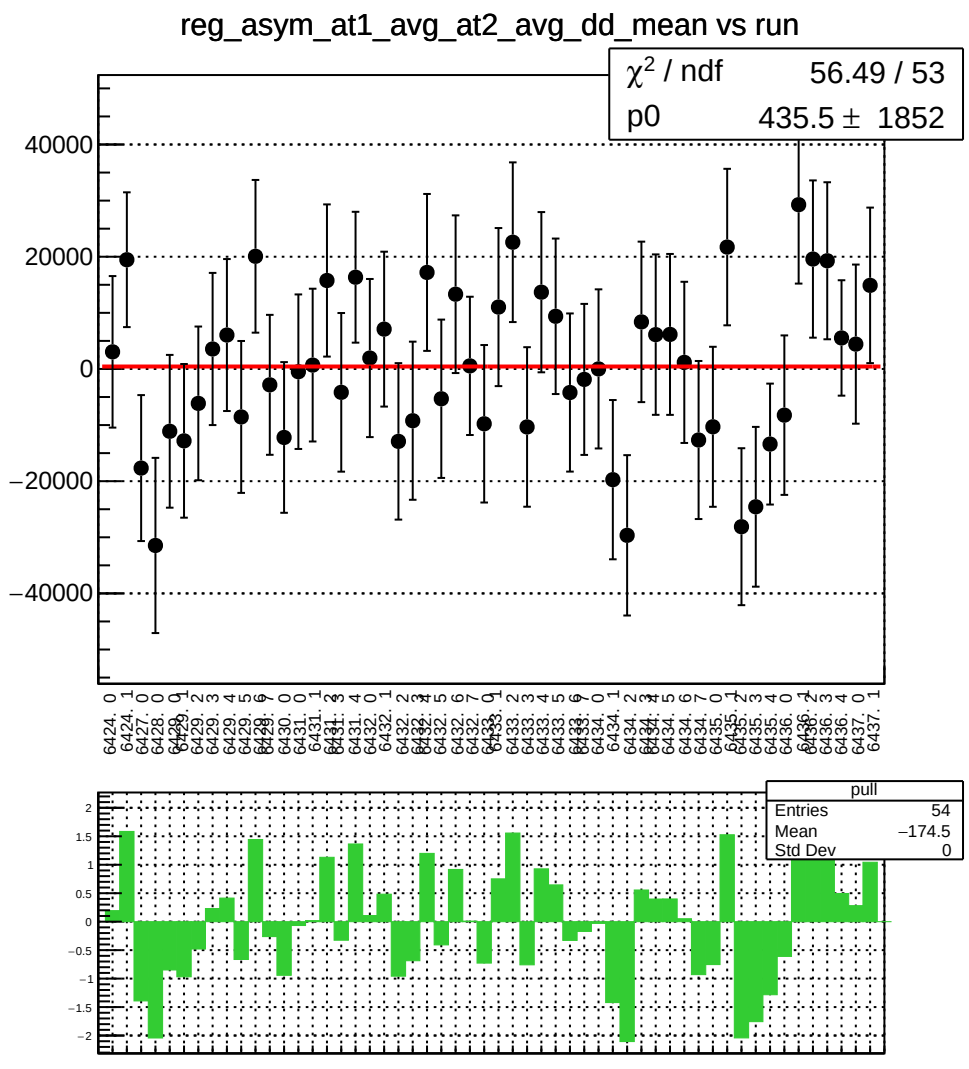

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004158 ± 0.0368
pull
Entries 54
Mean 774.4
Std Dev 0
pull1D
Entries 54
Mean 0.007339
Std Dev 1.112

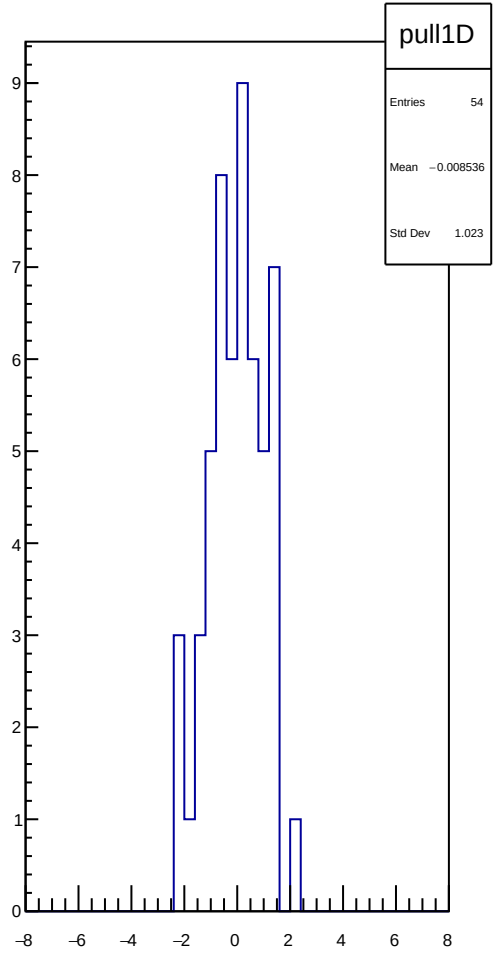

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.72e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

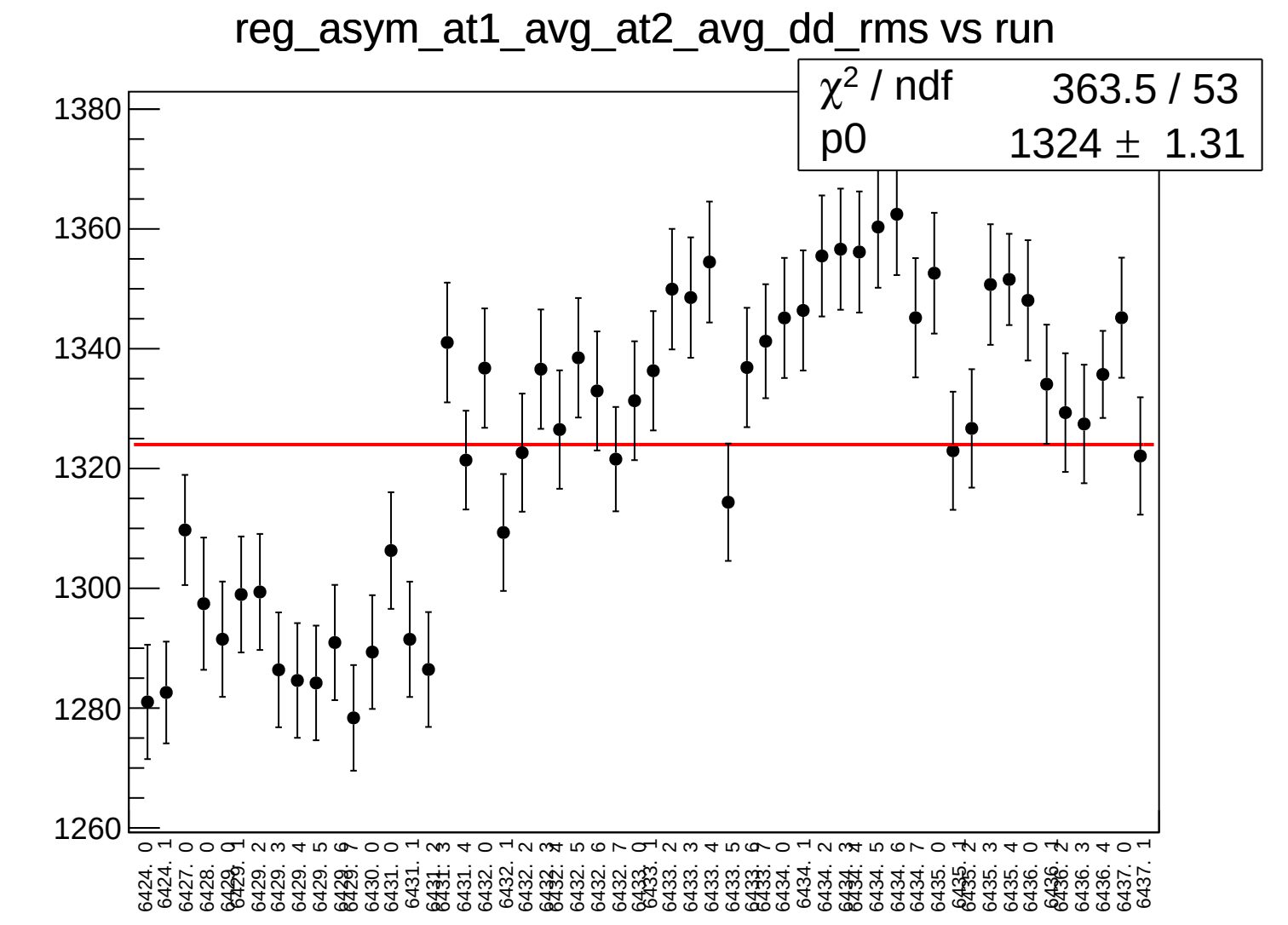

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.15 / 53
p0 2.867e−14 ± 1.647e−14
pull
Entries 54
Mean −7.807
Std Dev 0

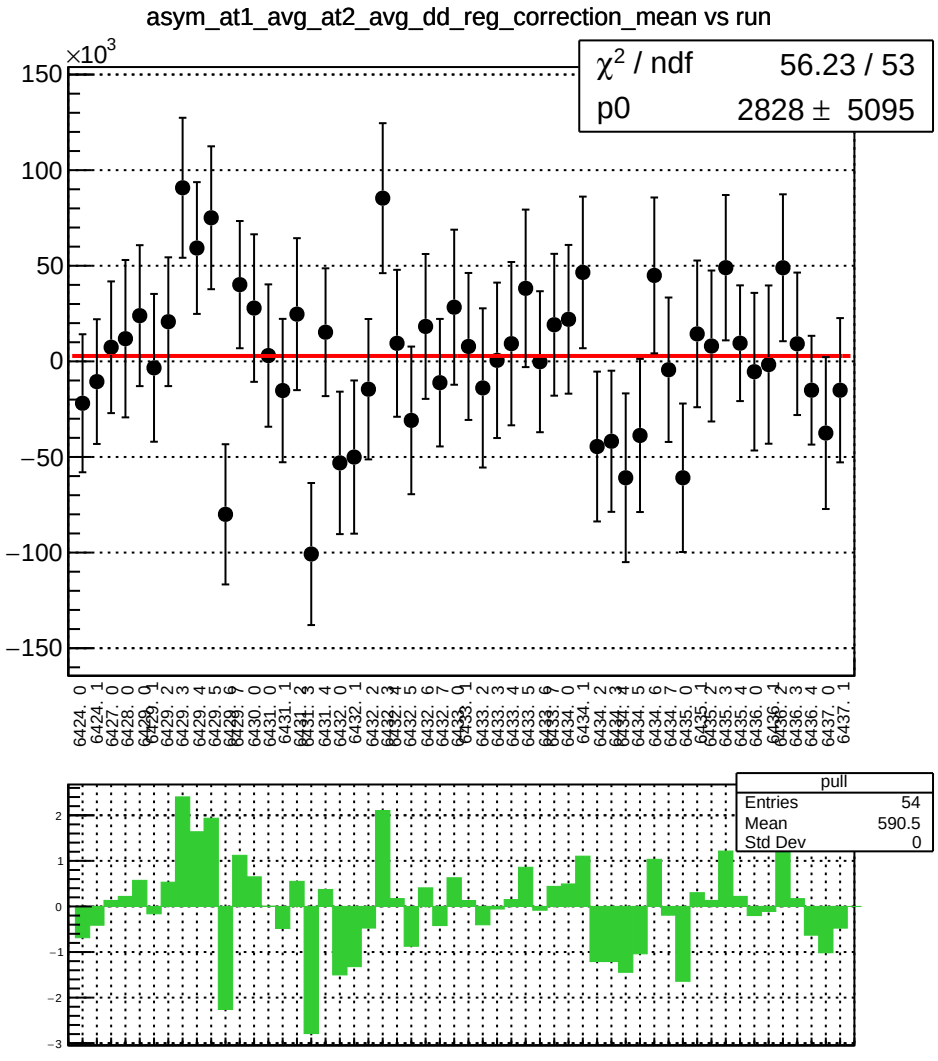

pull1D
Entries 54
Mean 0.1383
Std Dev 1.195

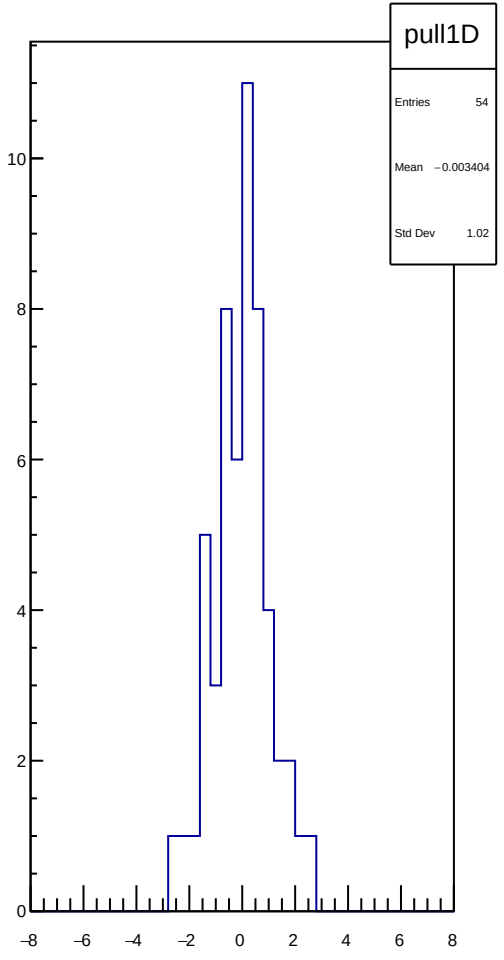

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.849e+05 / 53
p0 9.297e−12 ± 1.164e−14
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

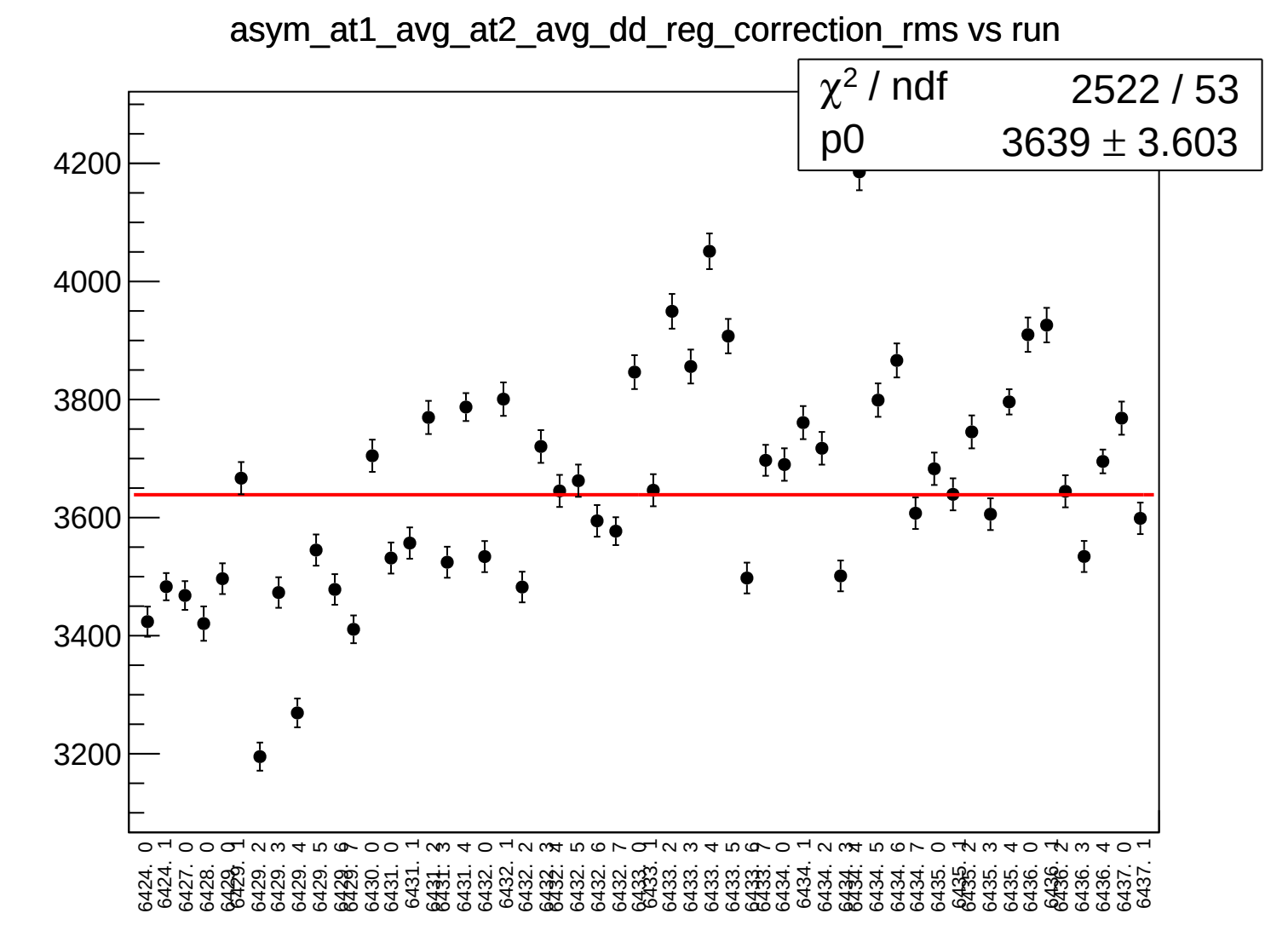

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.5 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

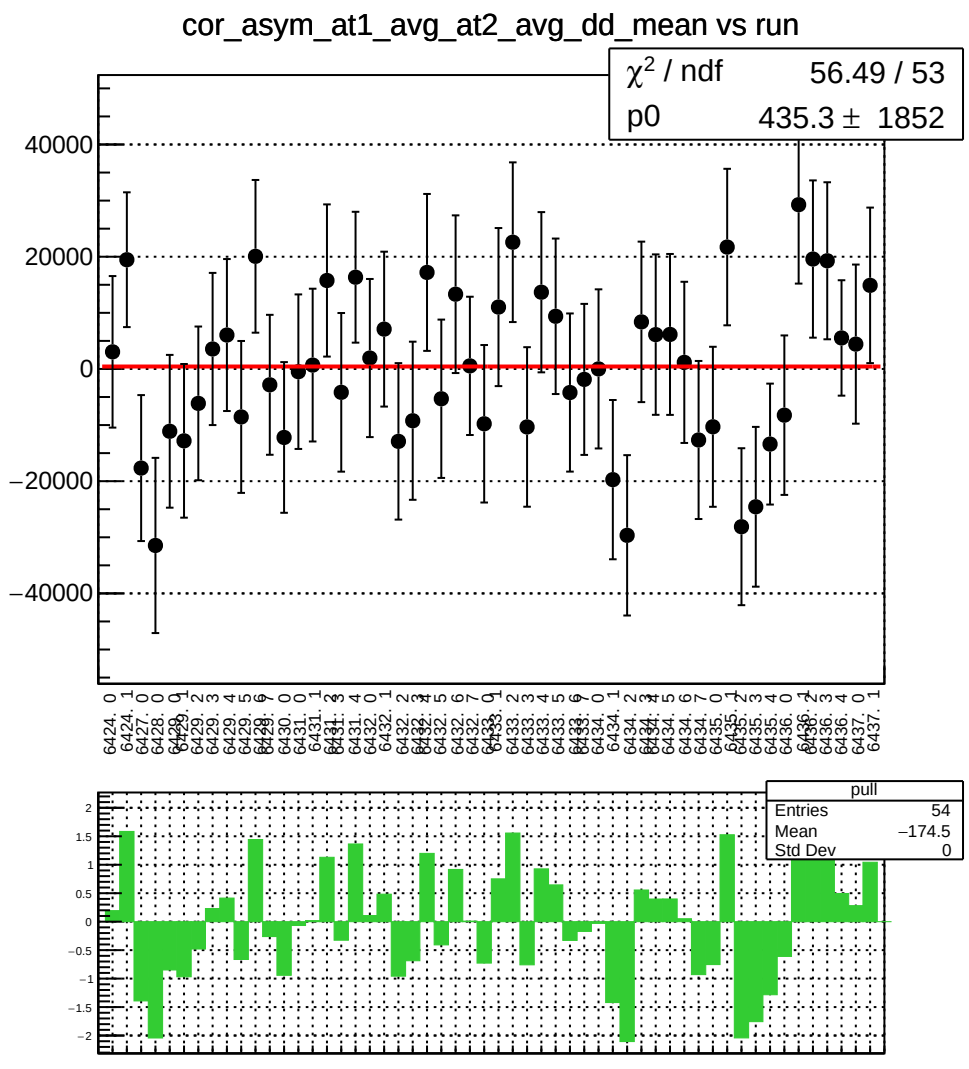

pull1D
Entries 54
Mean −0.008536
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

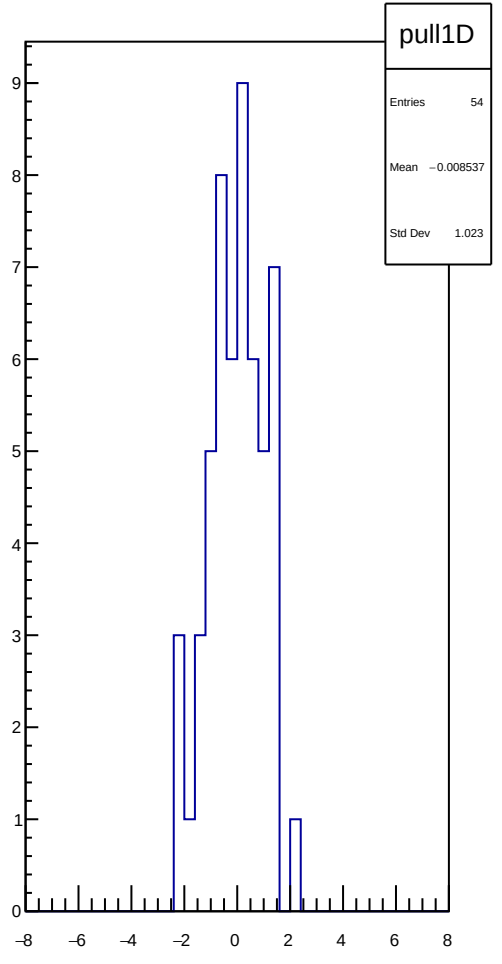

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

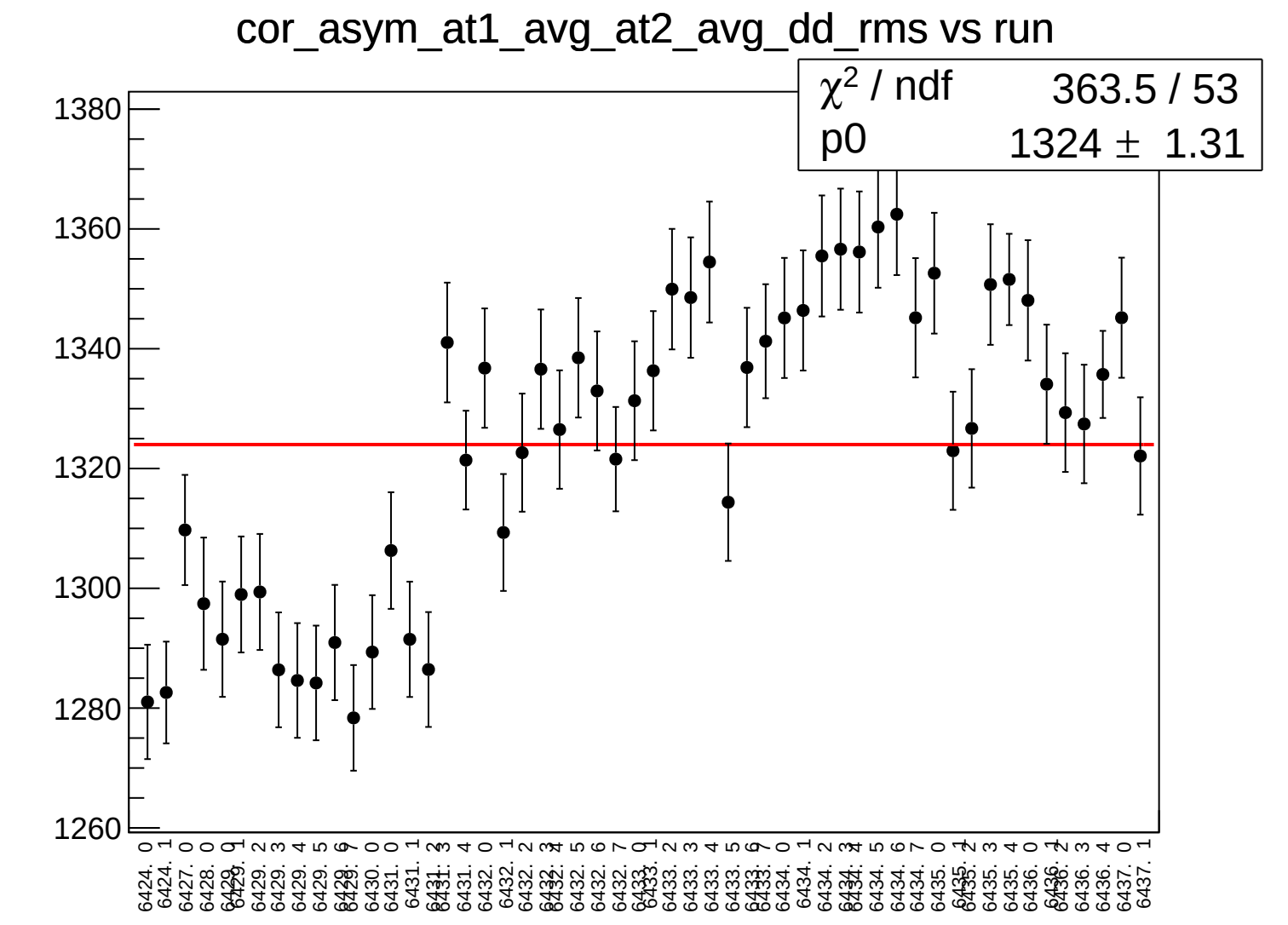

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.23 / 53
p0 2828 ± 5095
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 590.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.003404
Std Dev 1.02
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 2522 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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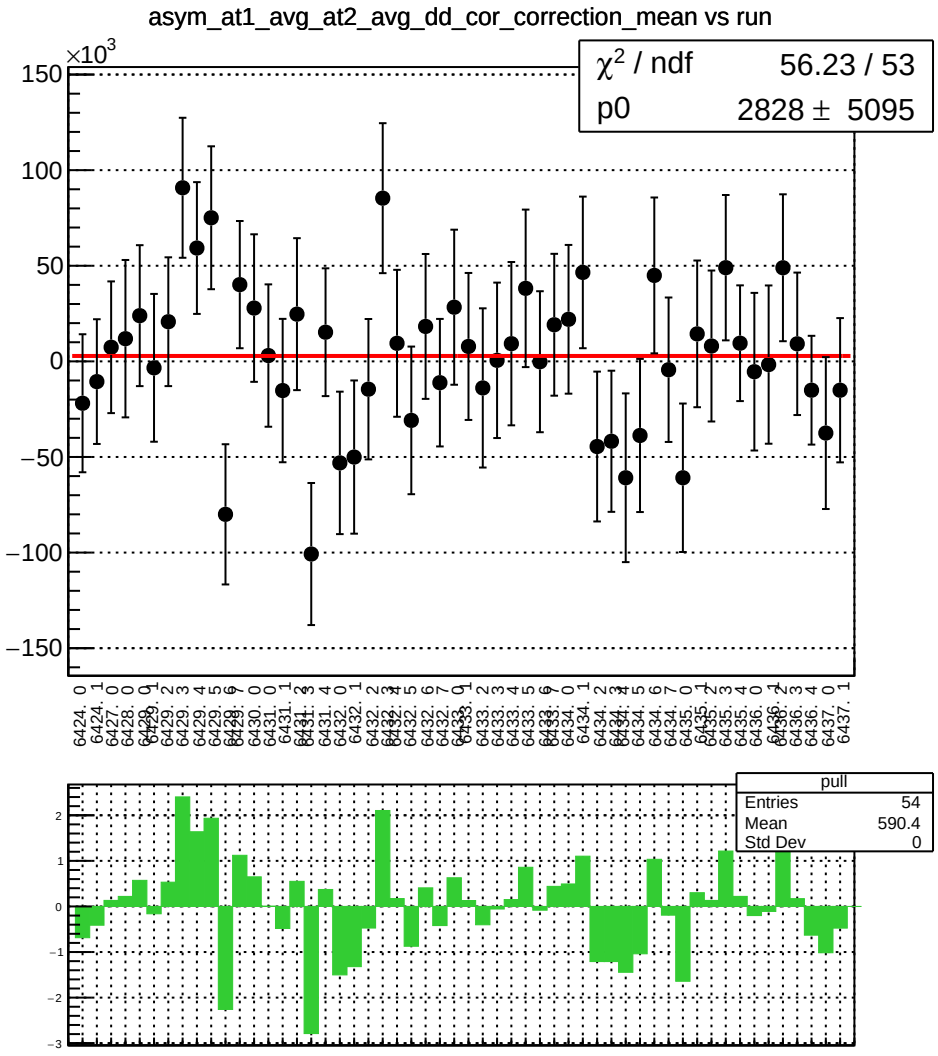
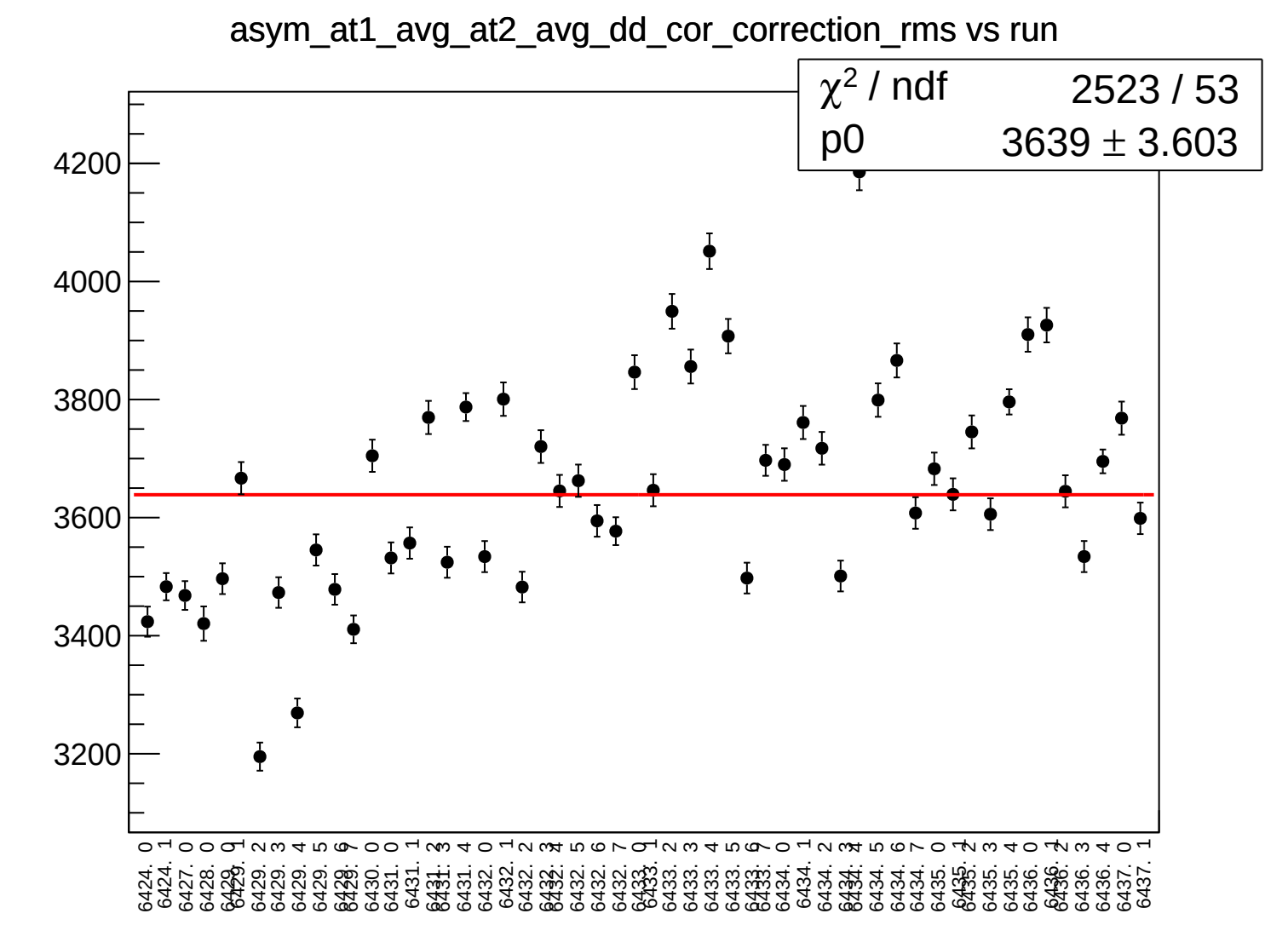
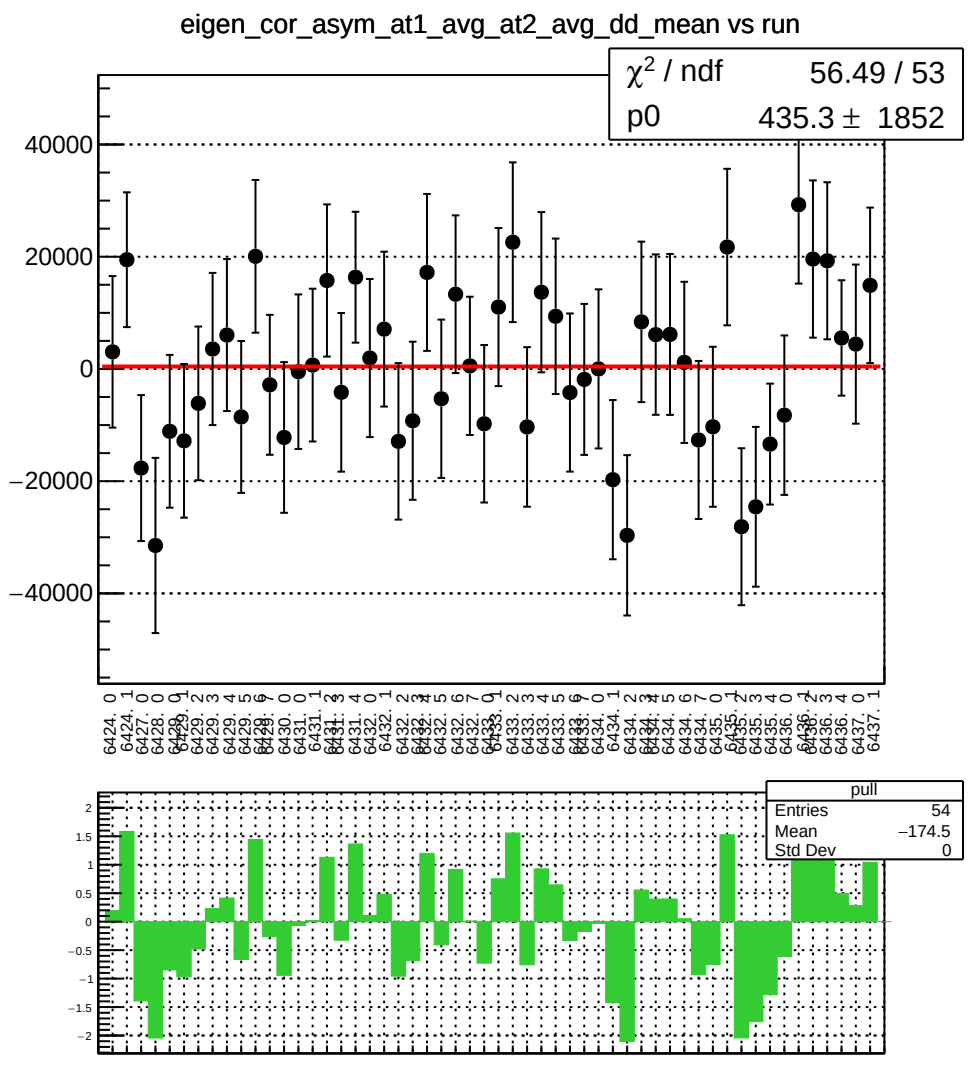
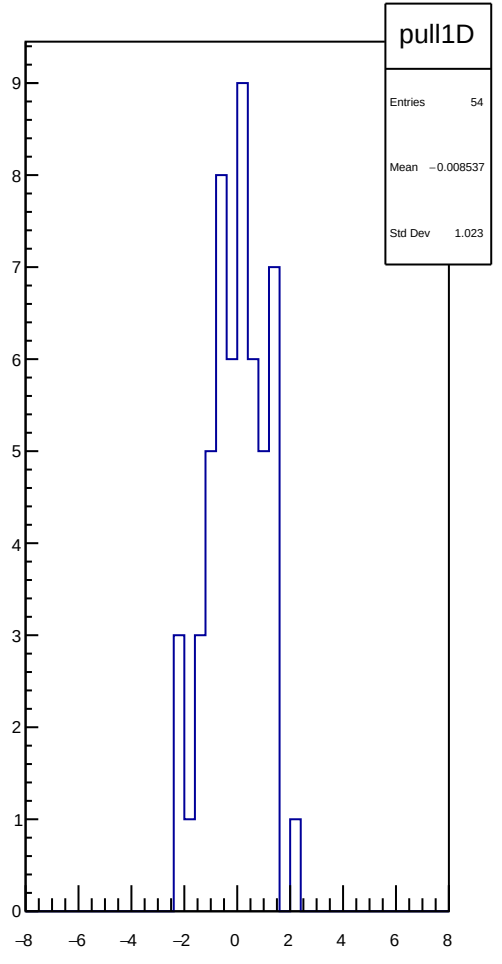
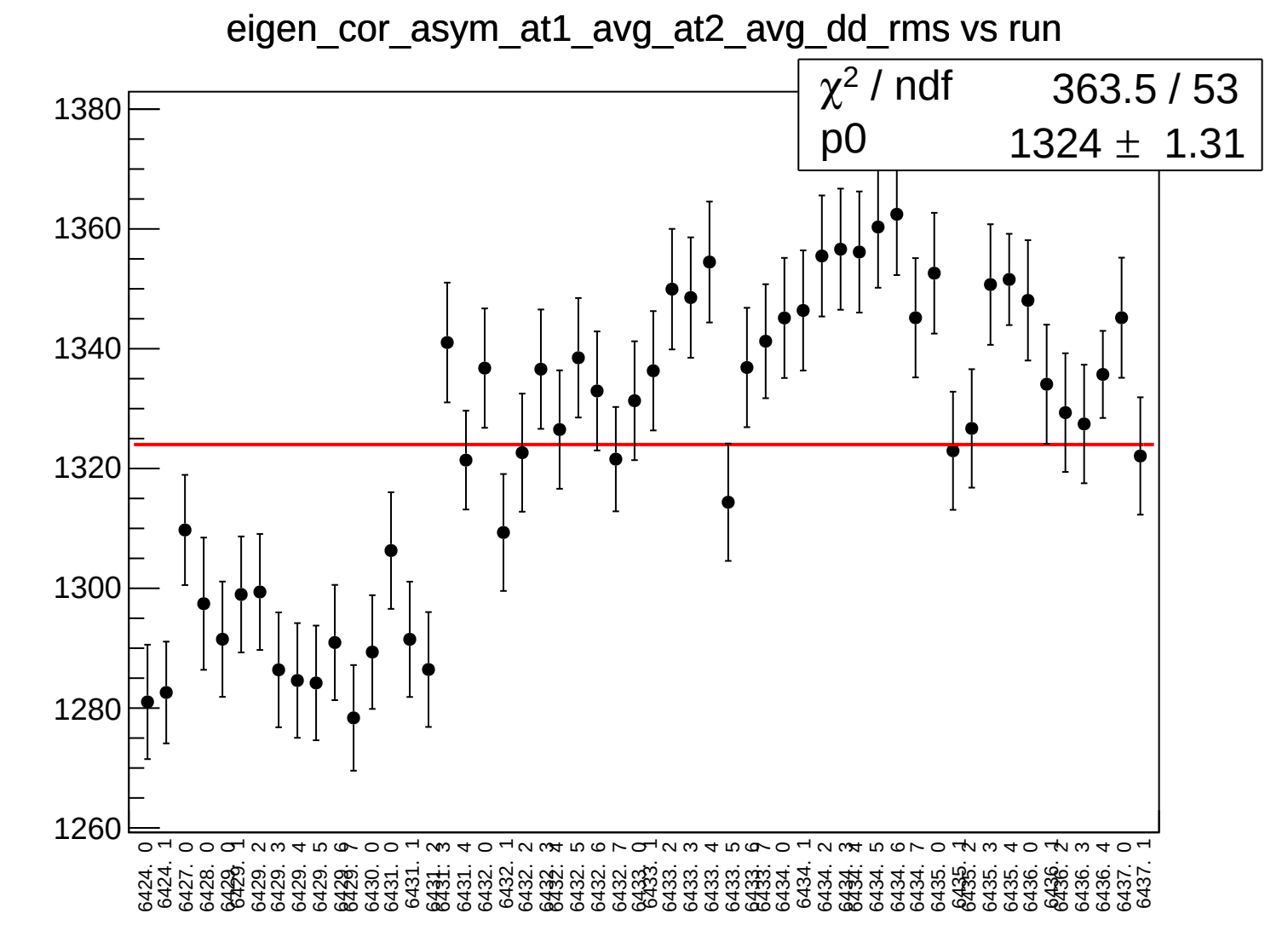
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
χ² / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.4
Std Dev 0
pull1D
Entries 54
Mean −0.003404
Std Dev 1.02


asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
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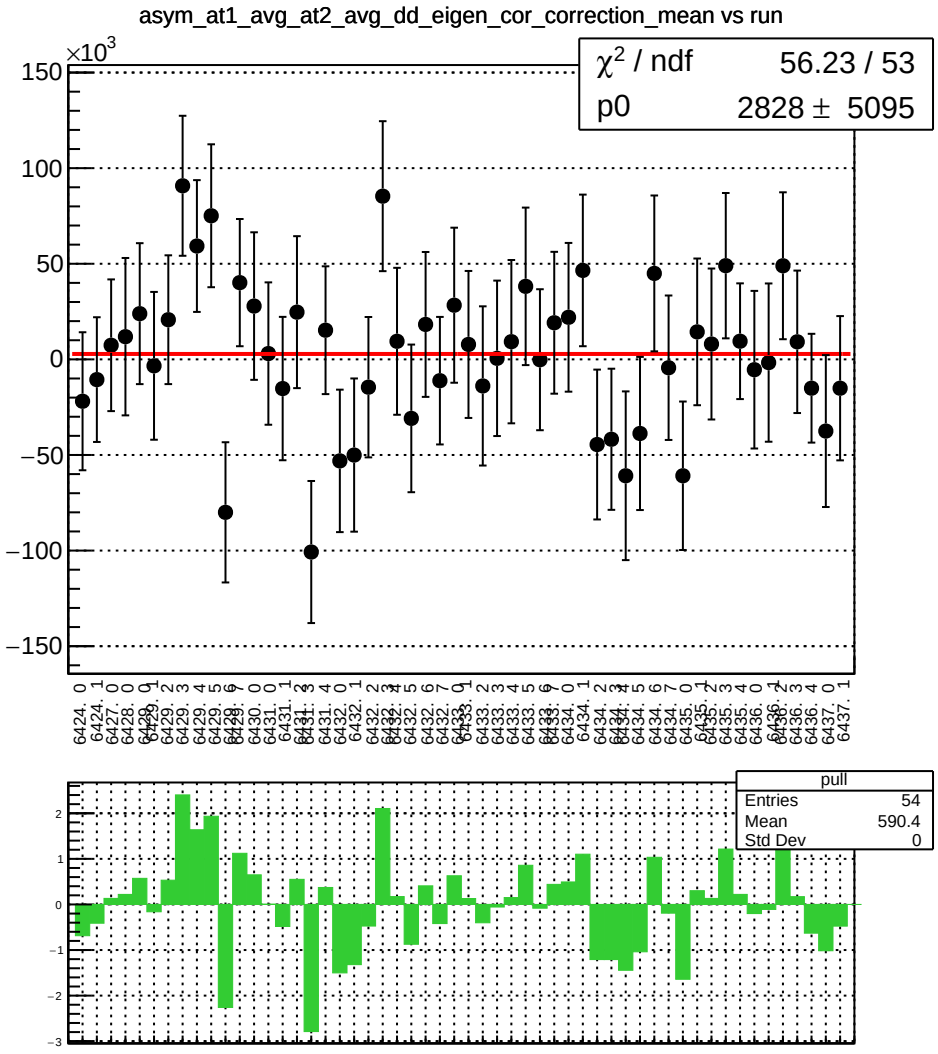
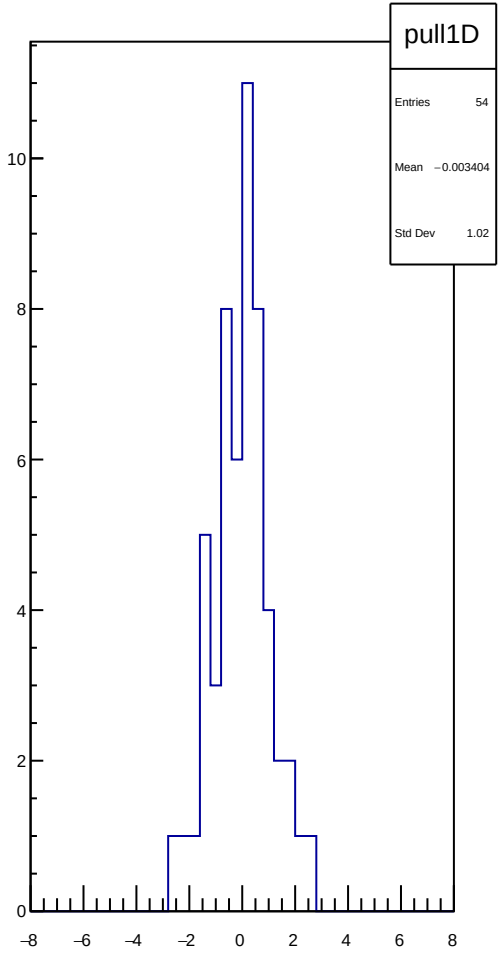
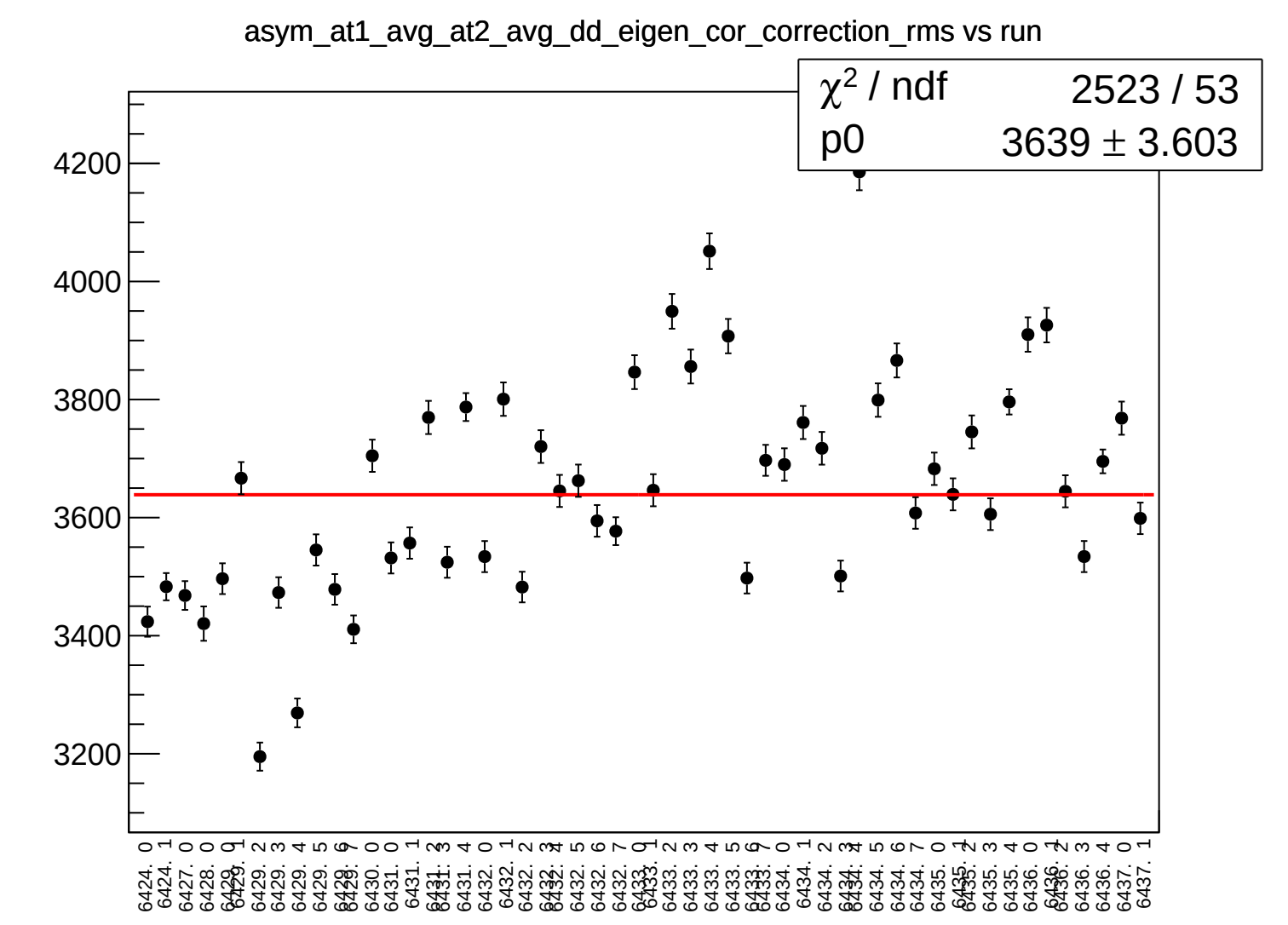
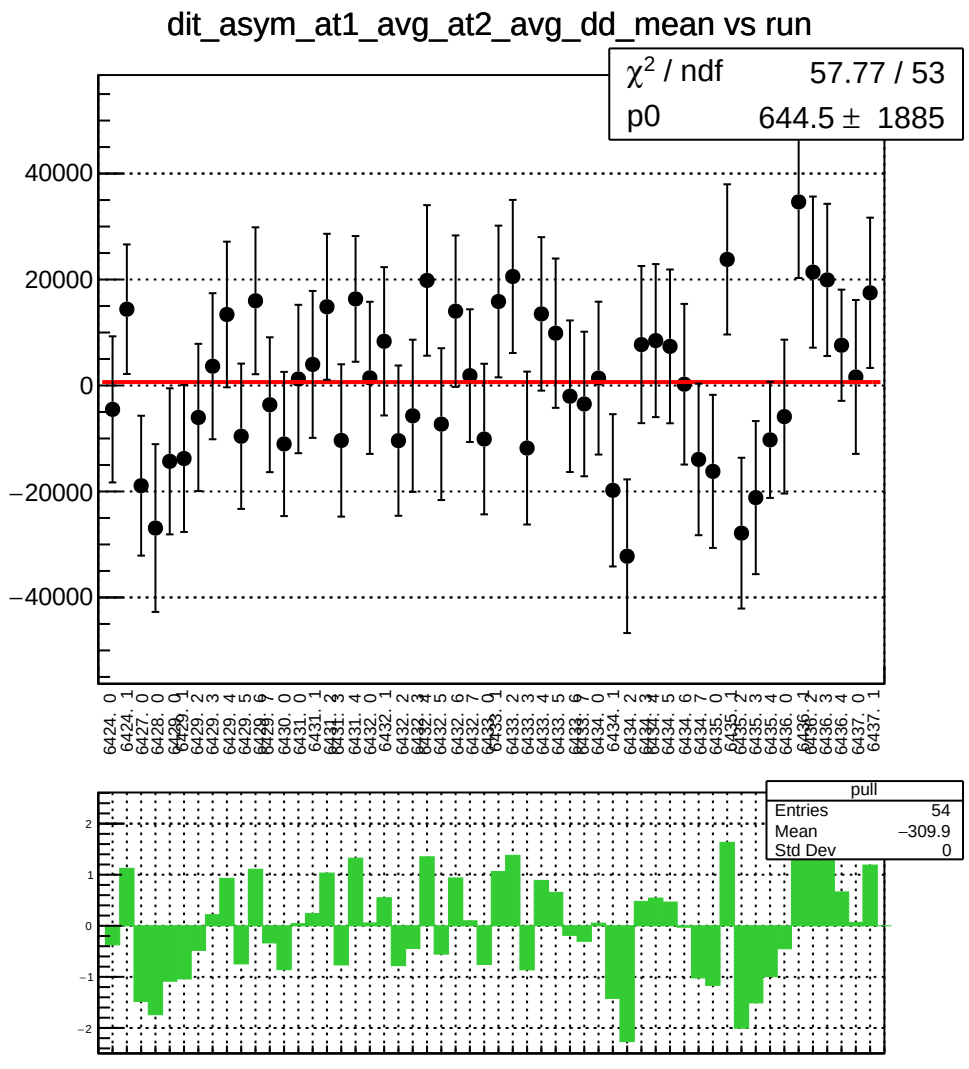
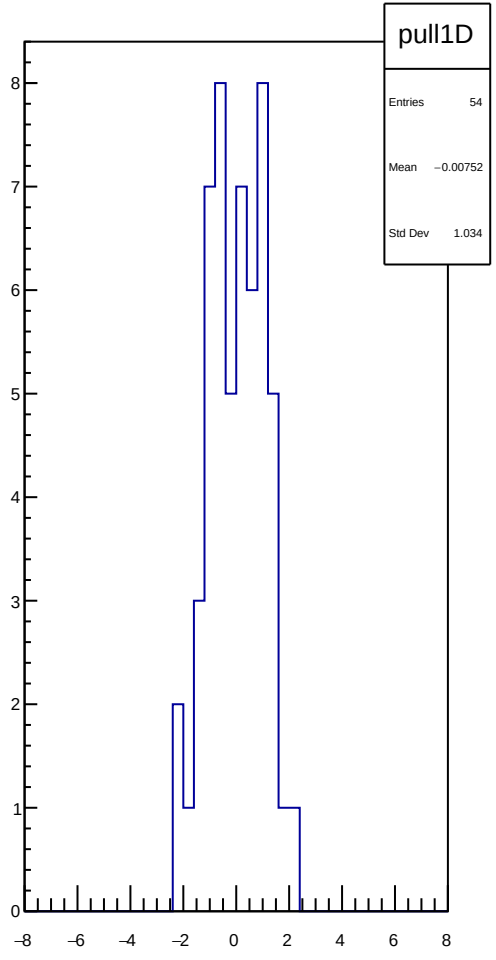
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

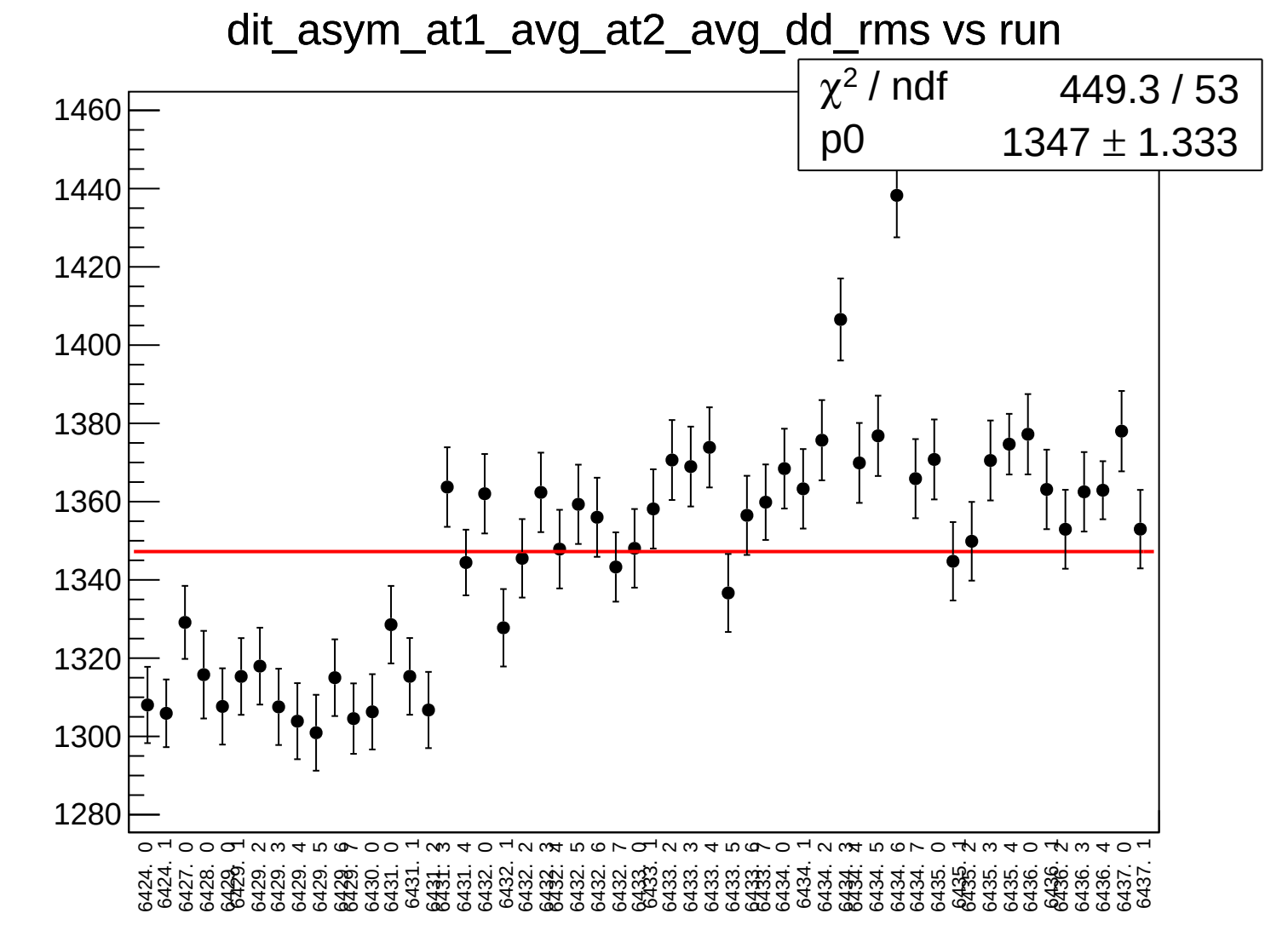

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.4
Std Dev 0

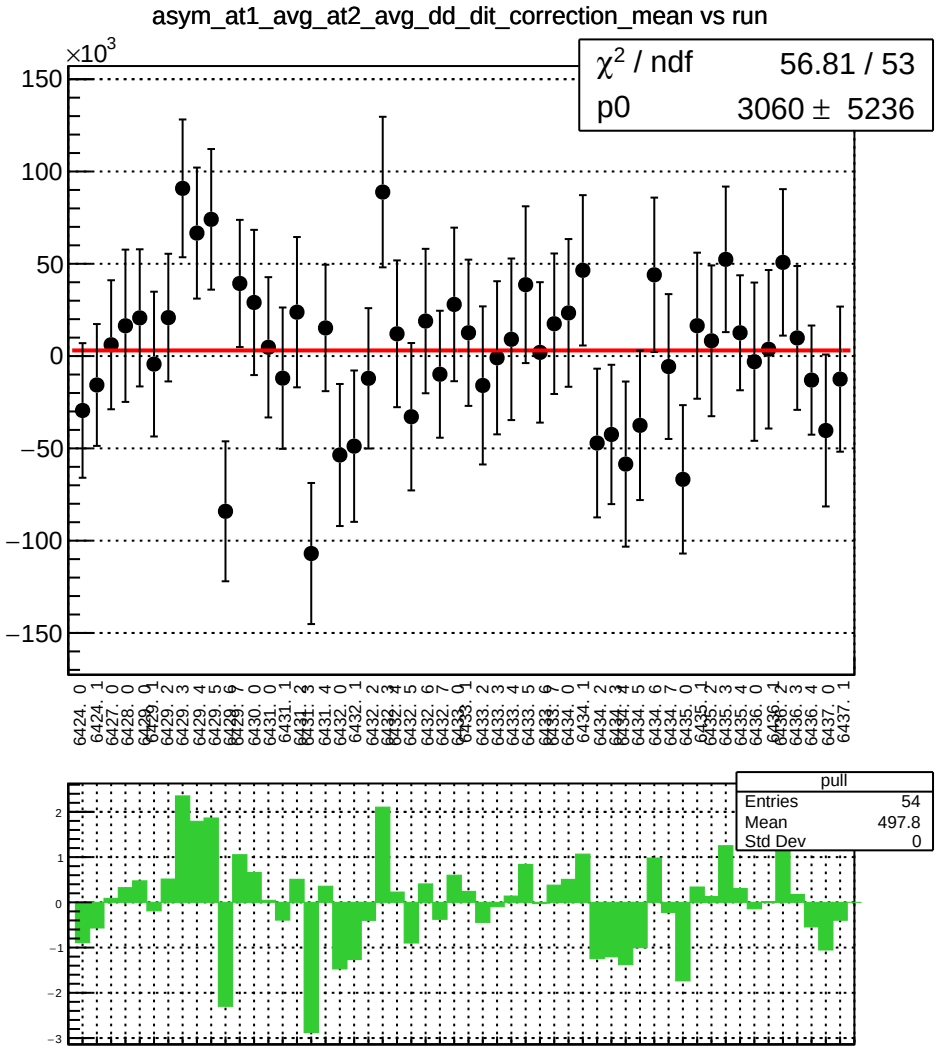

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02

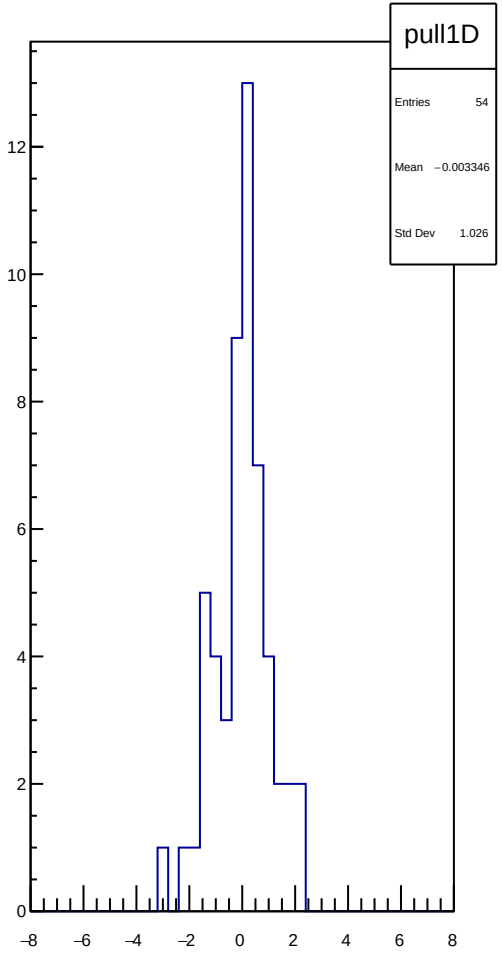

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

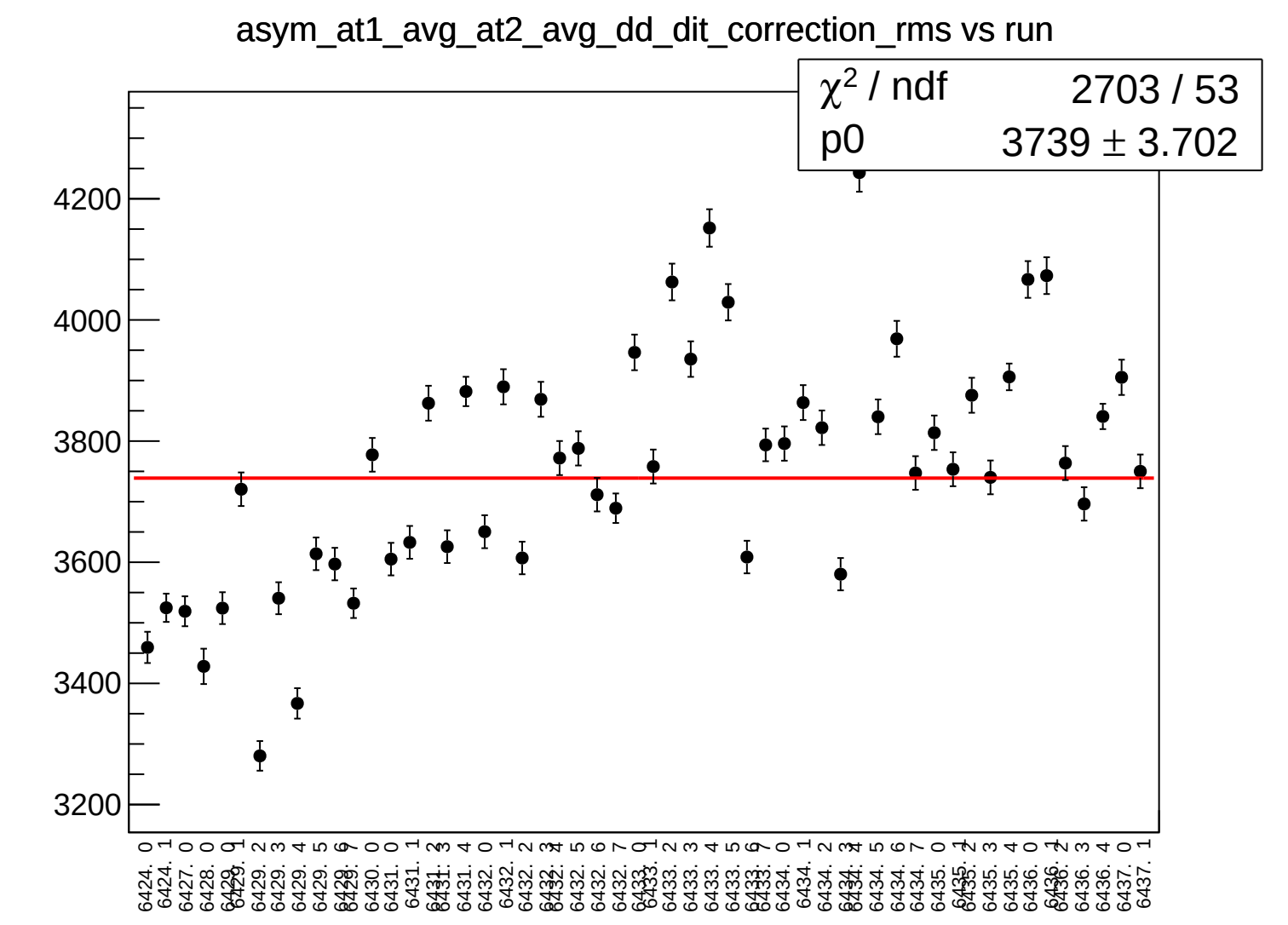

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
2
1
0
−1
−2

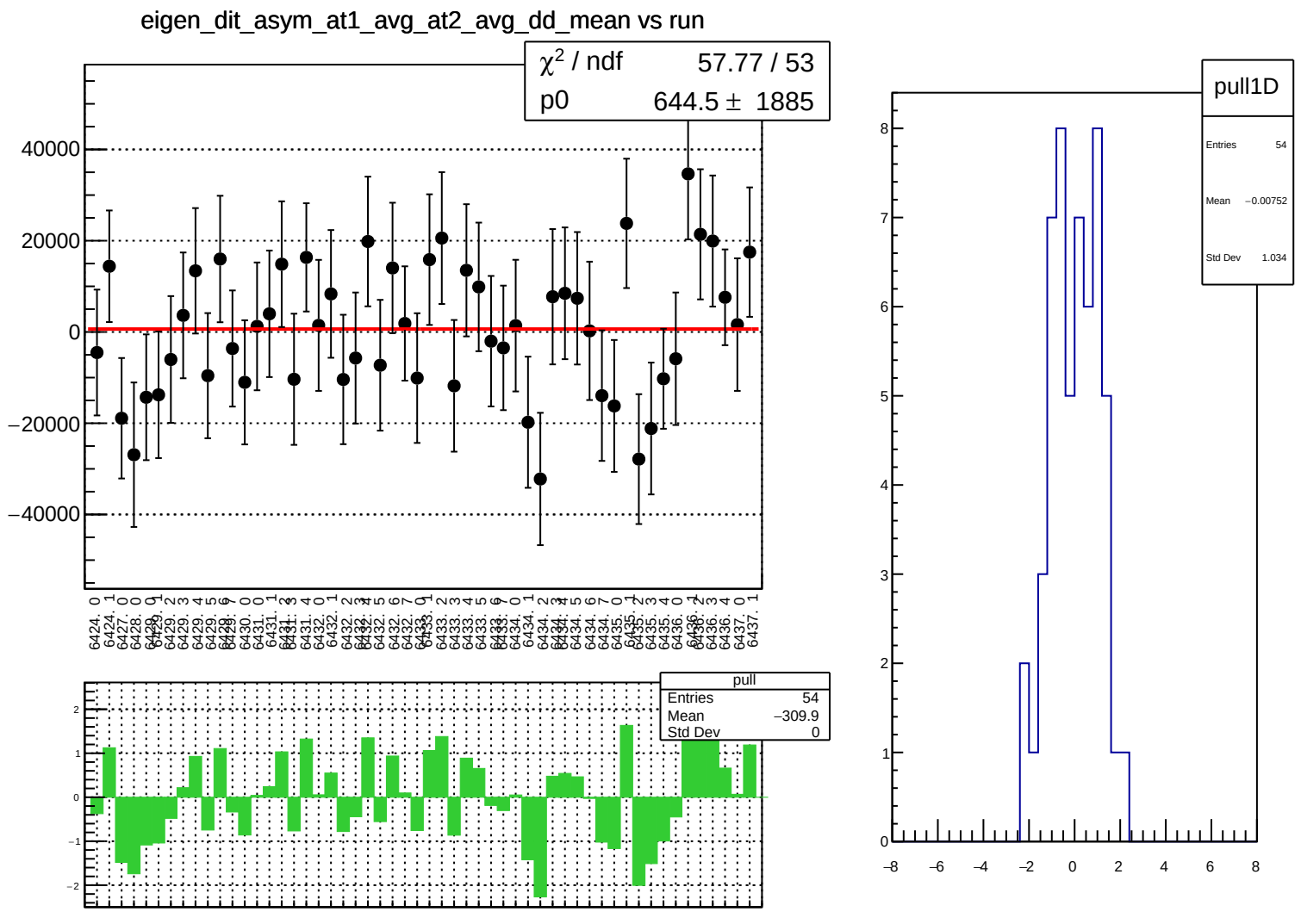

pull1D
Entries 54
Mean −0.00752
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

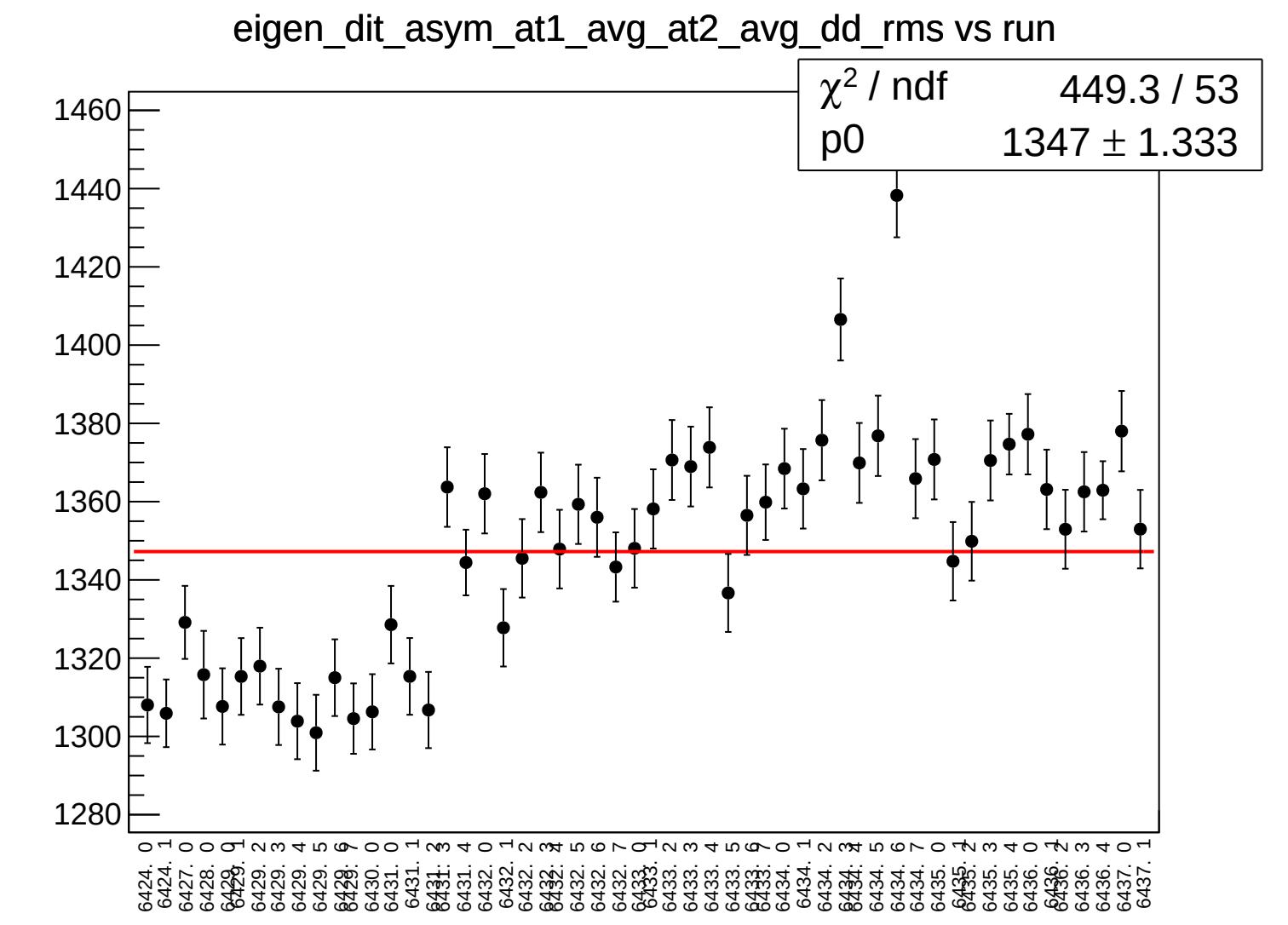

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

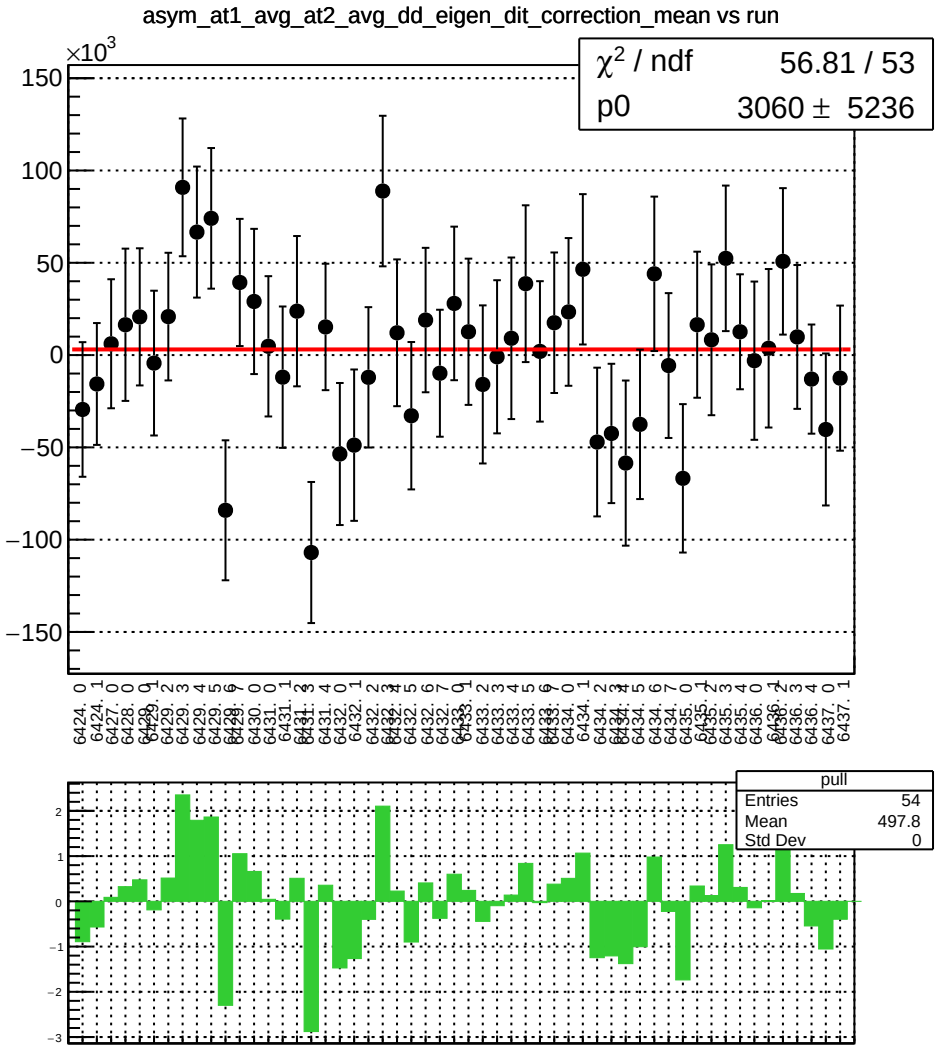

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0

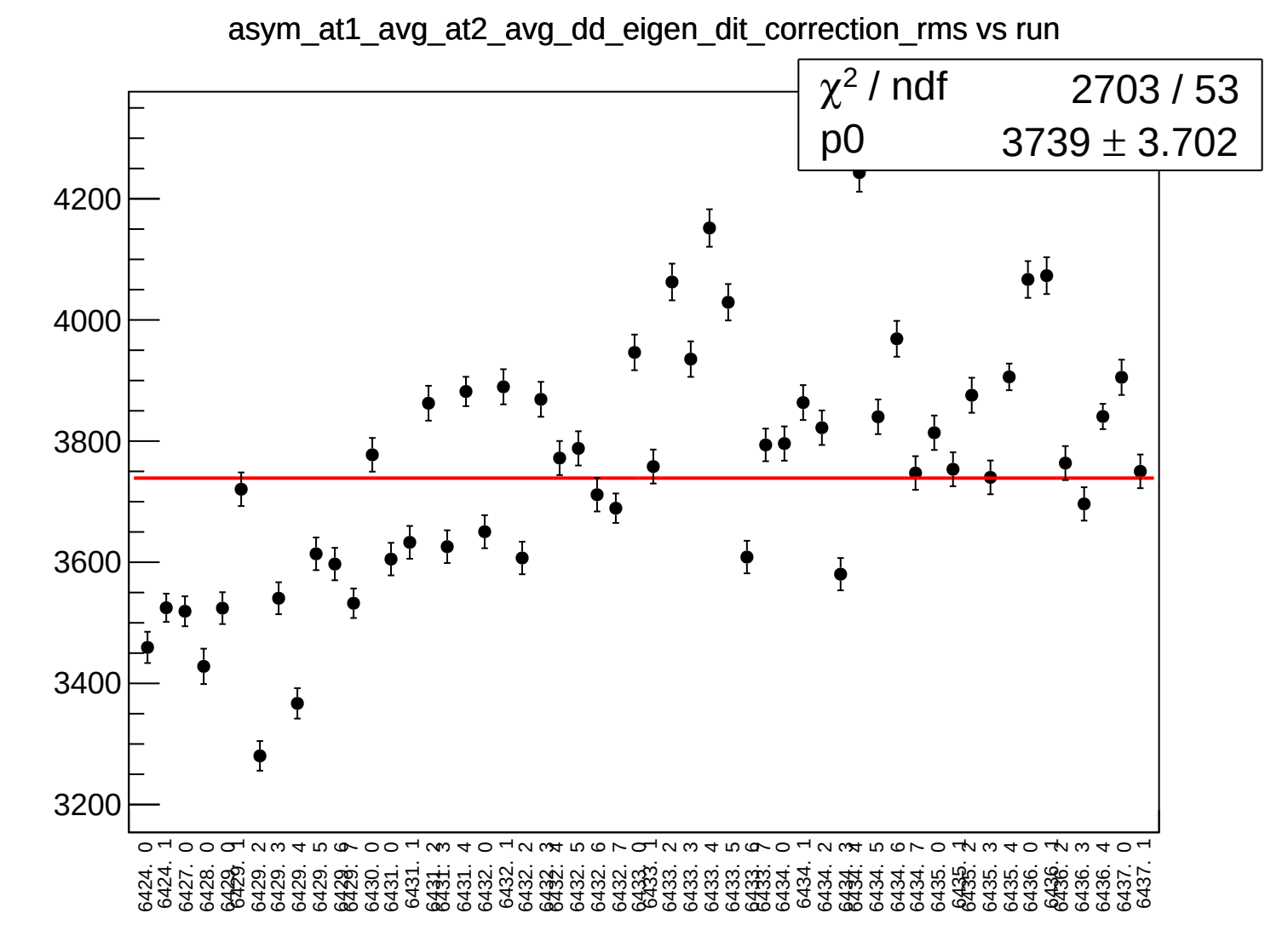

pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

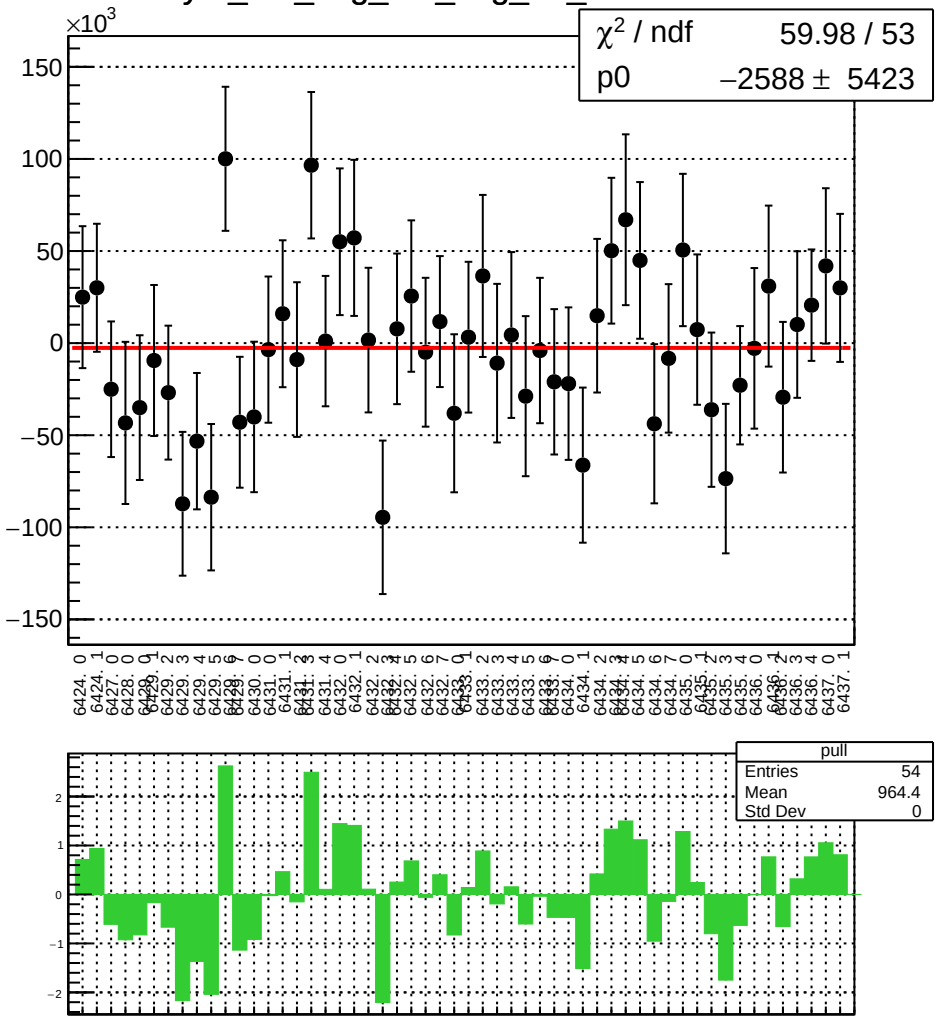

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

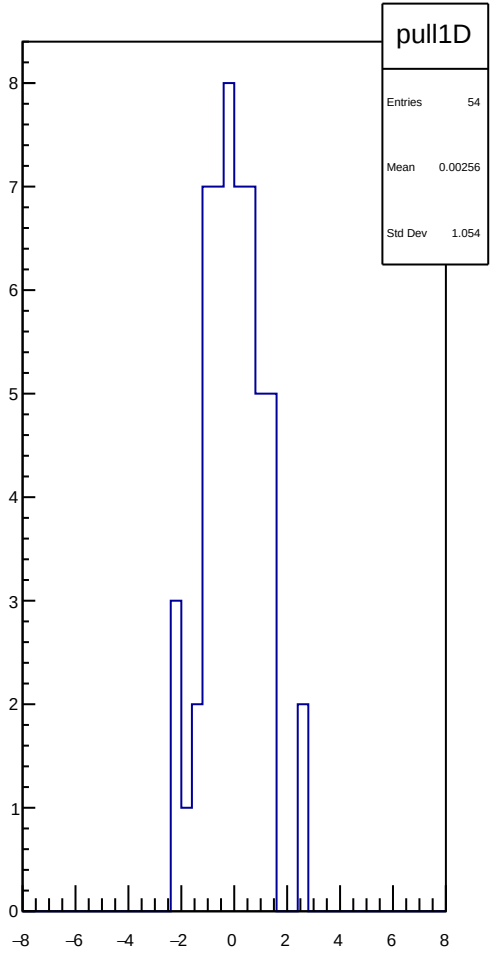

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
pull1D
Entries 54
Mean −0.00752
Std Dev 1.034

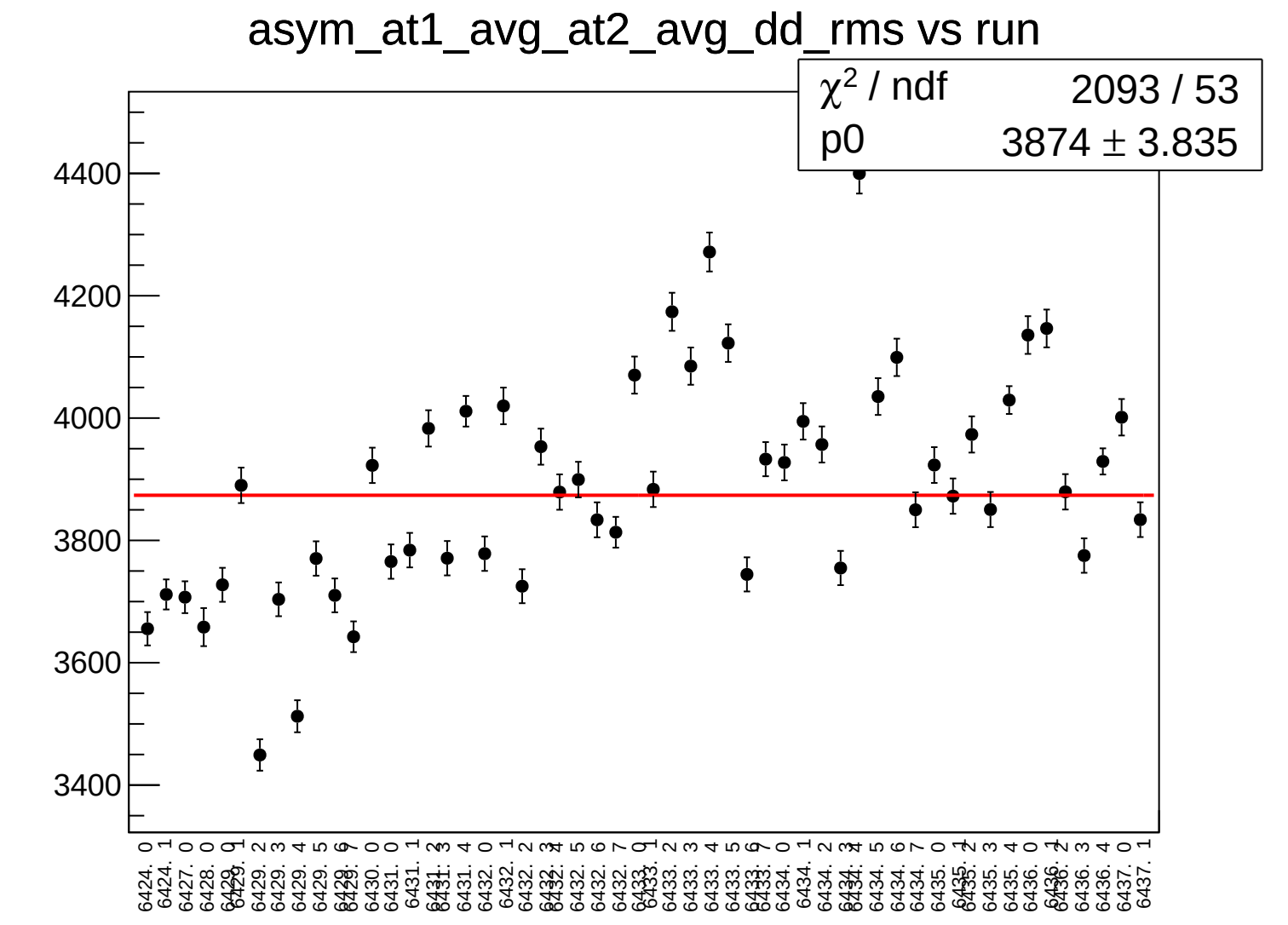

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

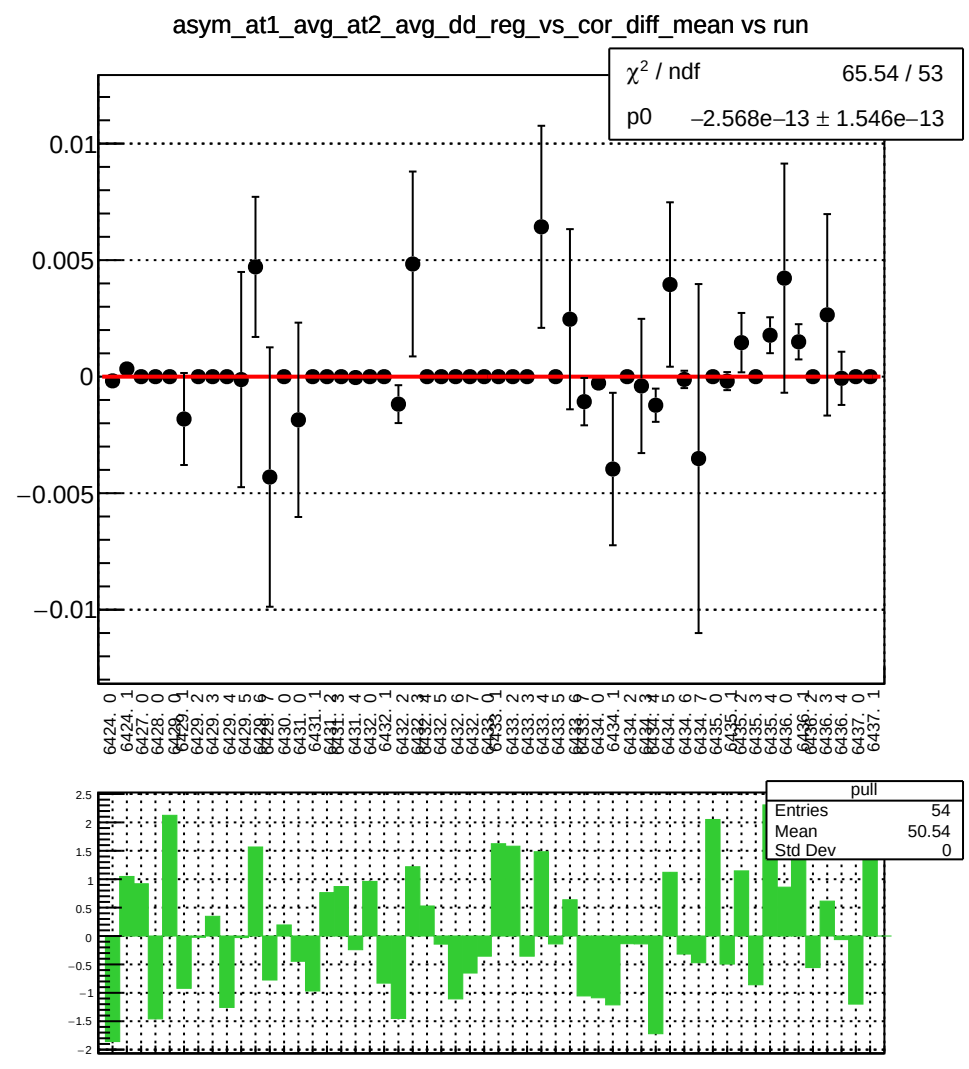

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0
pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

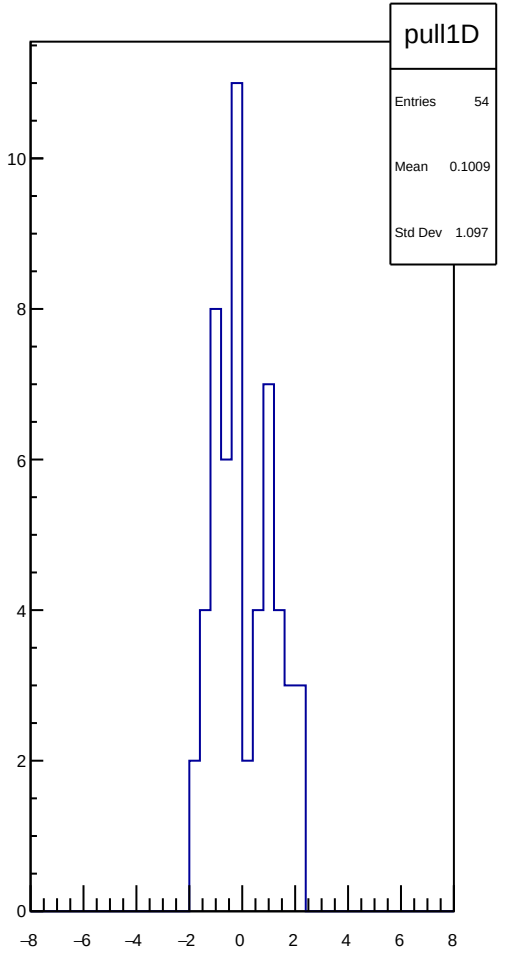

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

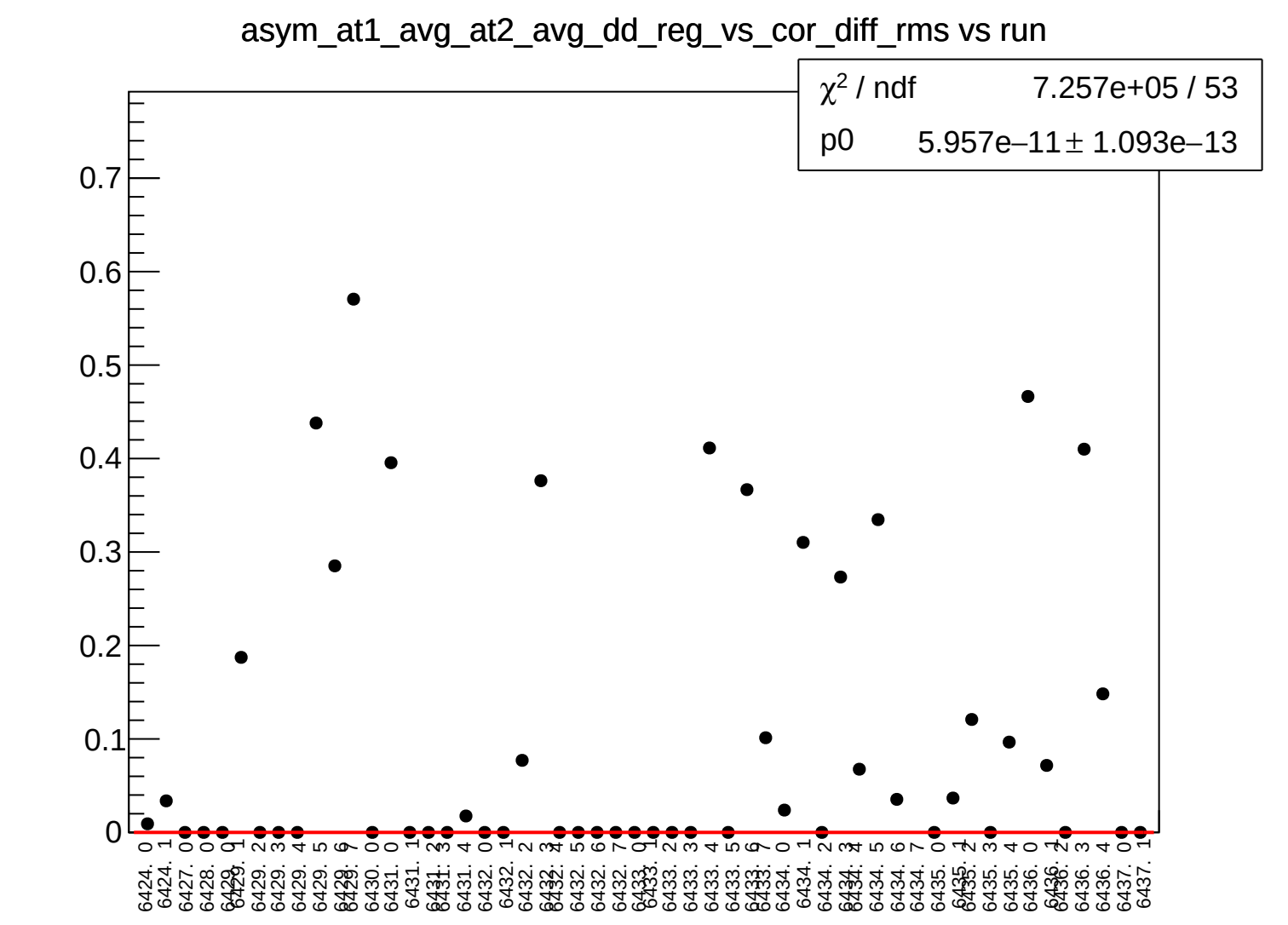

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 59.98 / 53
p0 −2588 ± 5423
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 964.4
Std Dev 0
2
1
0
−1
−2

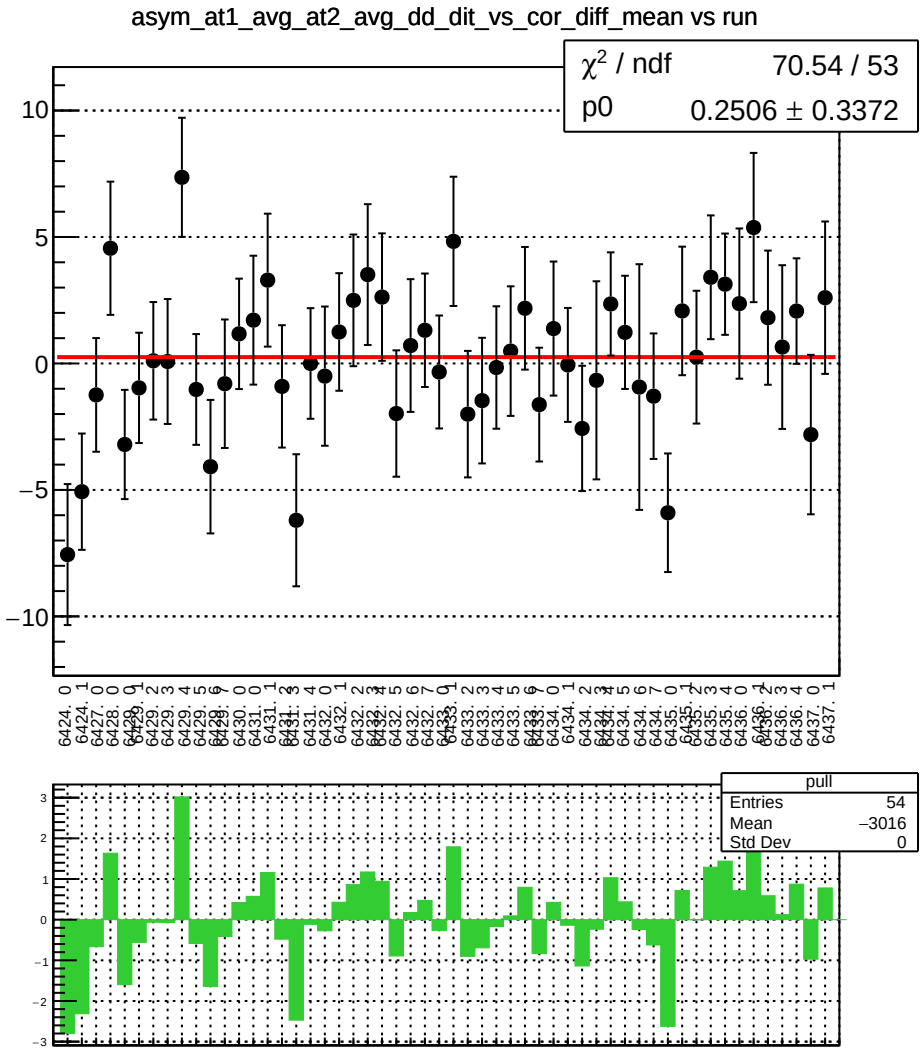

pull1D
Entries 54
Mean 0.00256
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

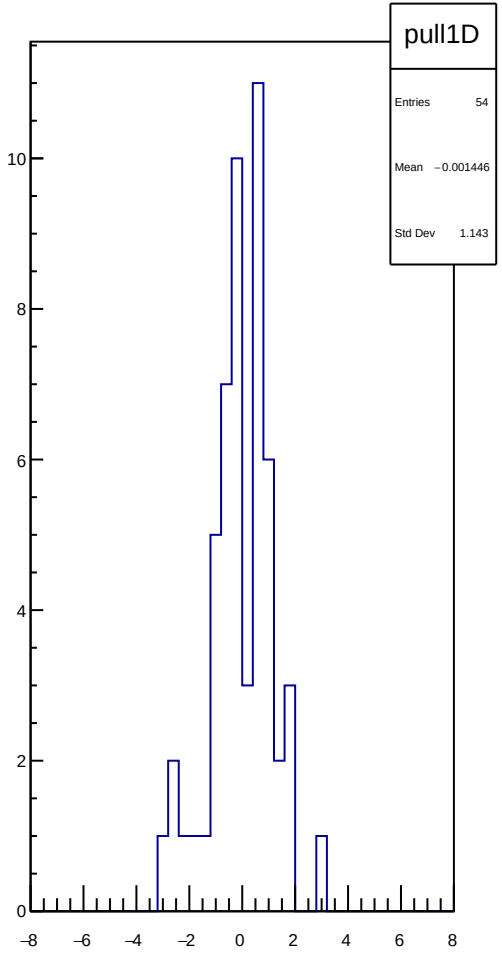

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2093 / 53
p0 3874 ± 3.835
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

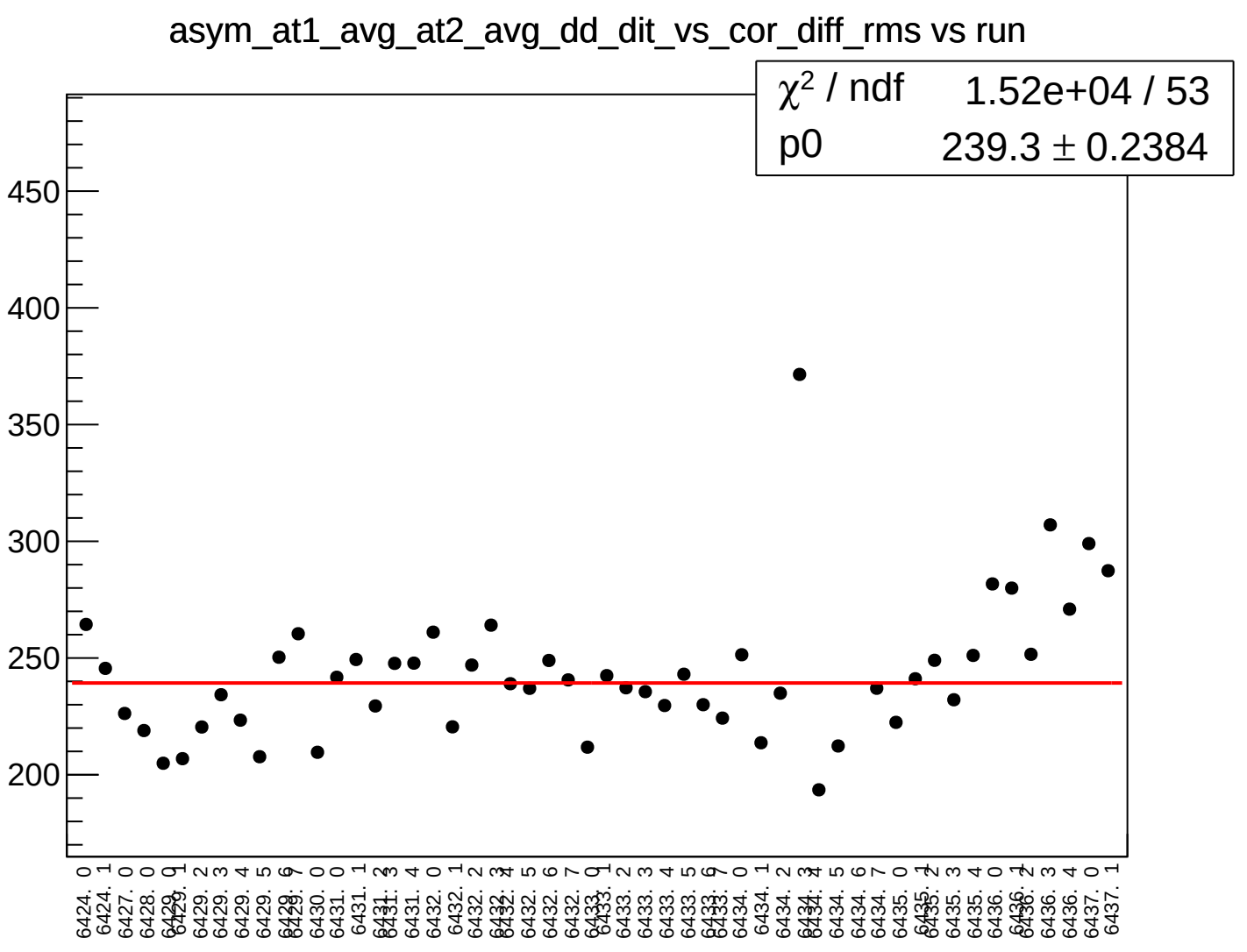

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.54 / 53
p0 −2.568e−13 ± 1.546e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 50.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

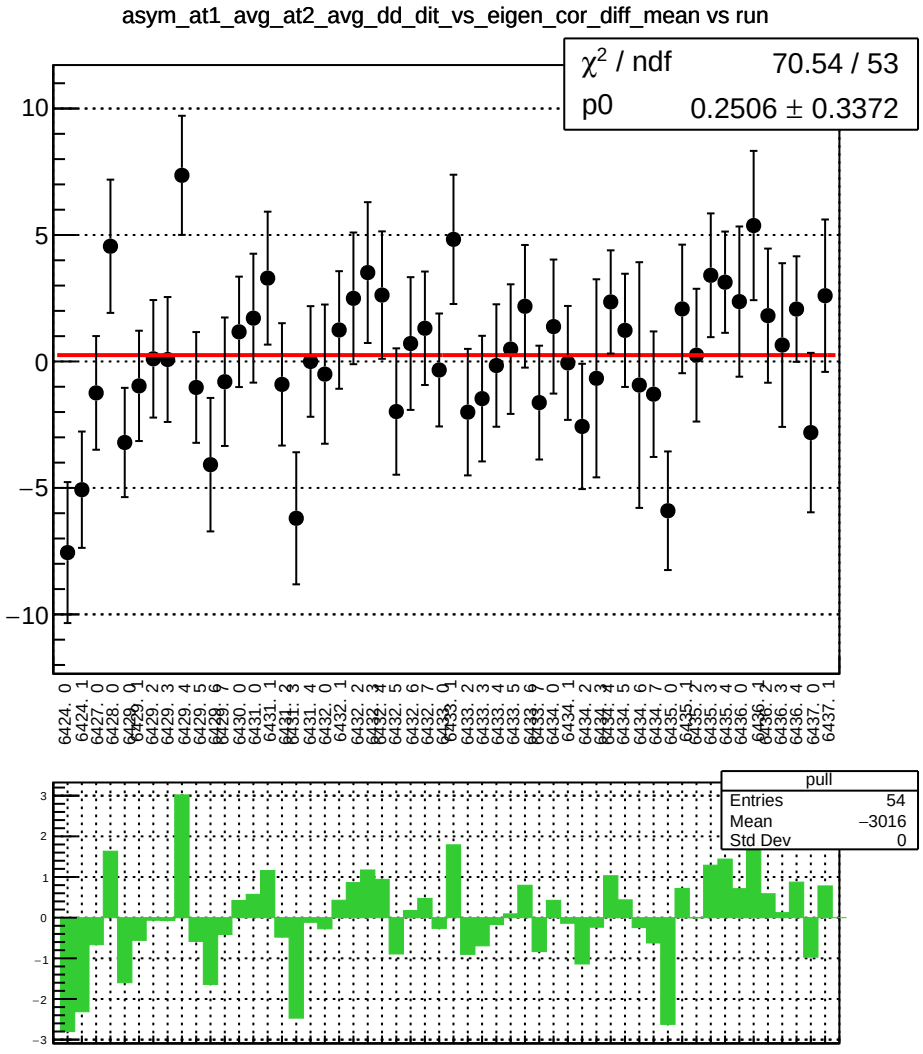

pull1D
Entries 54
Mean 0.1009
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

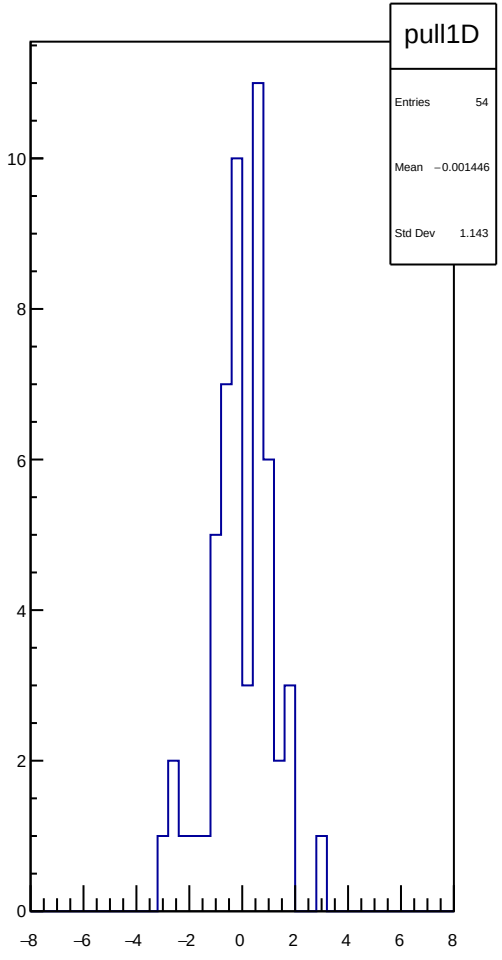

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.257e+05 / 53
p0 5.957e−11 ± 1.093e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

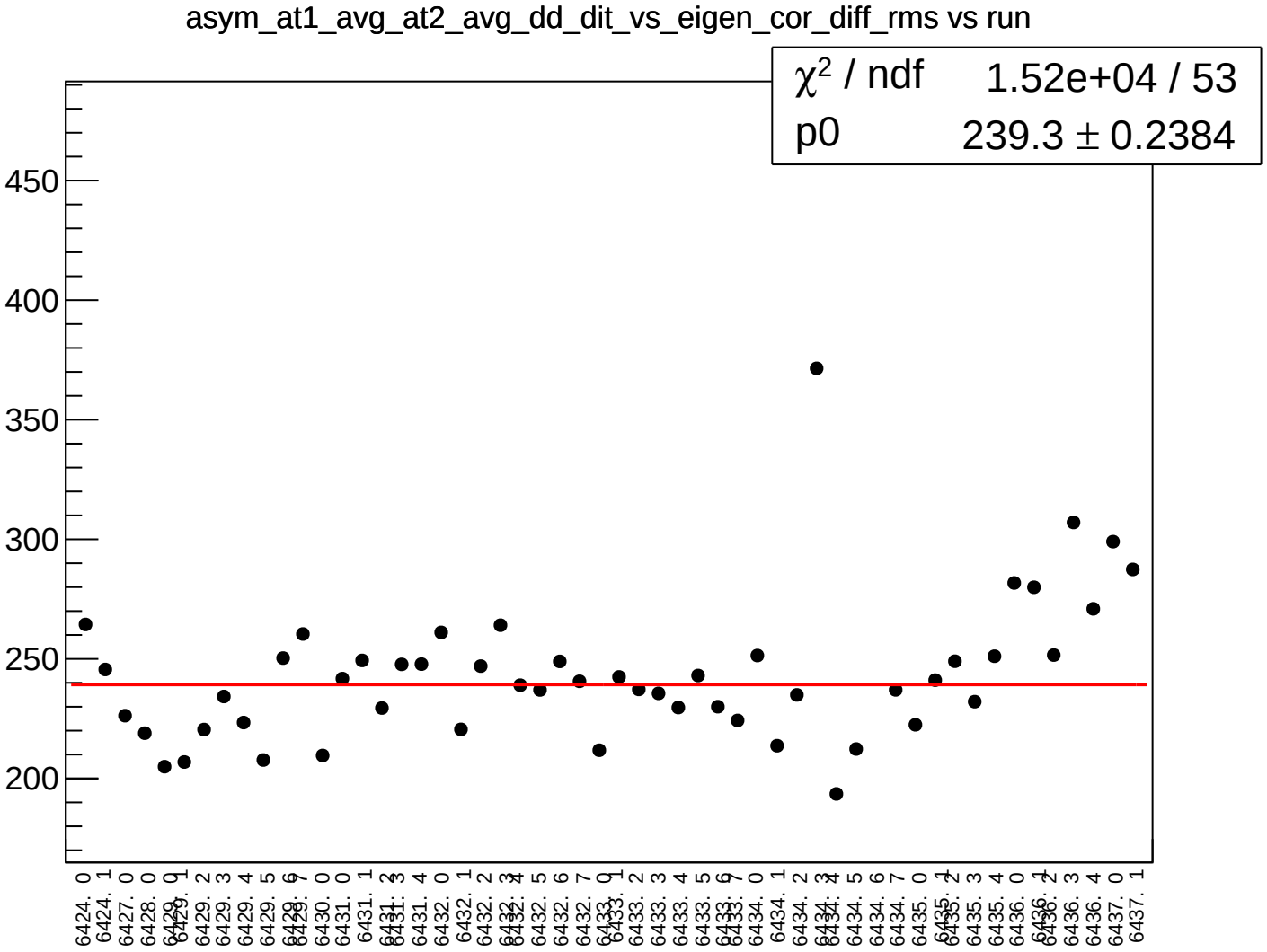

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0

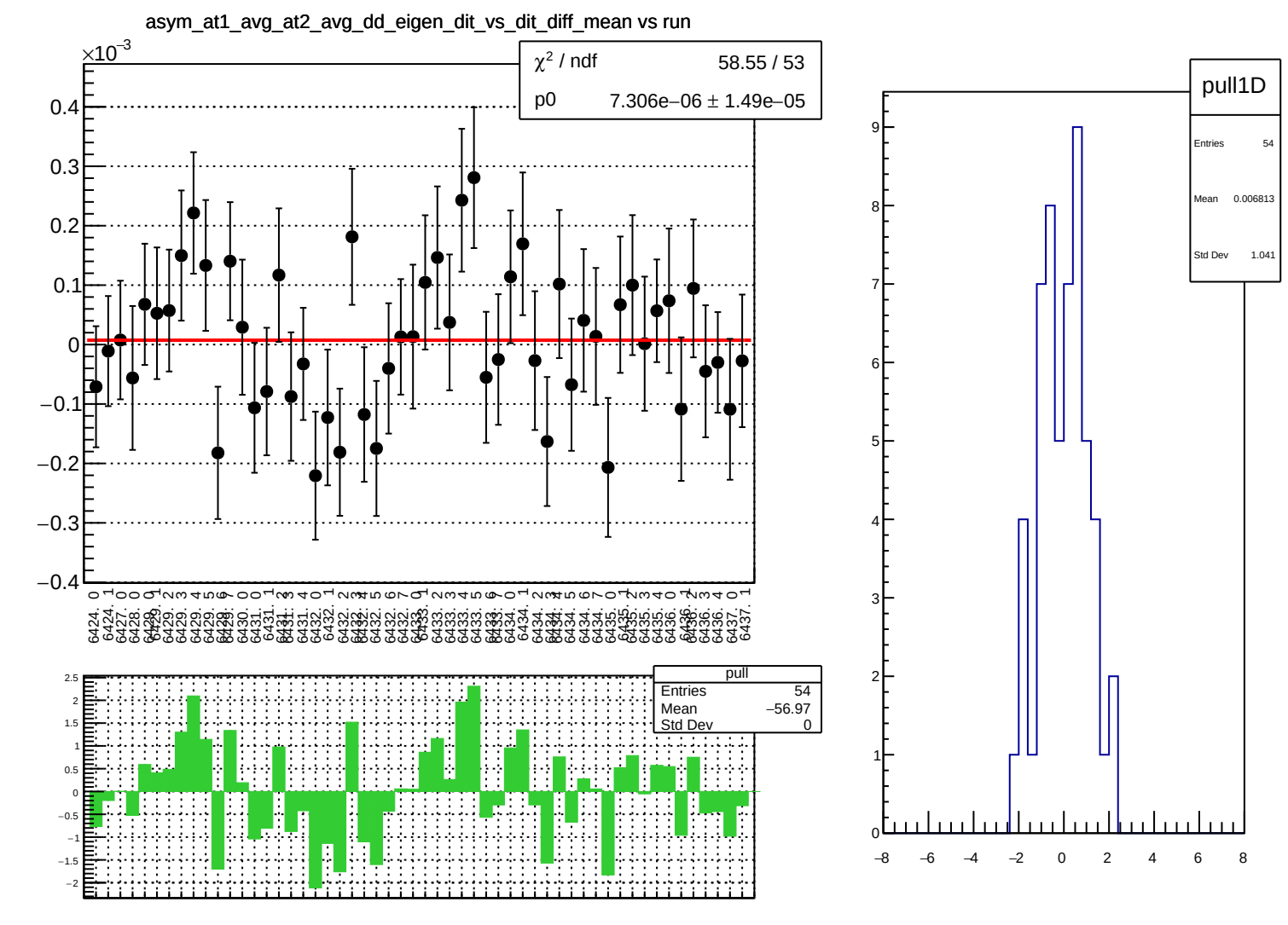

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

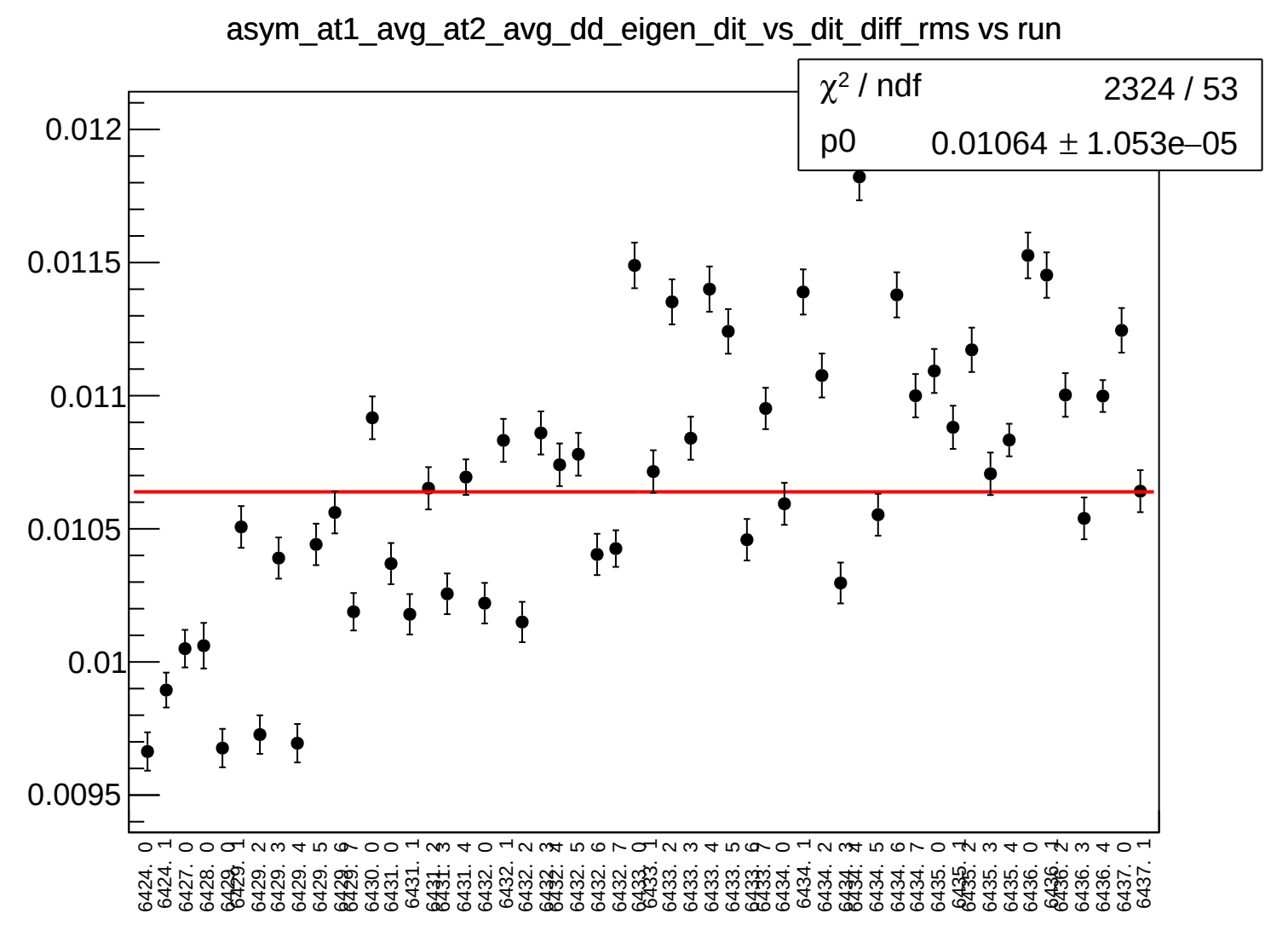

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

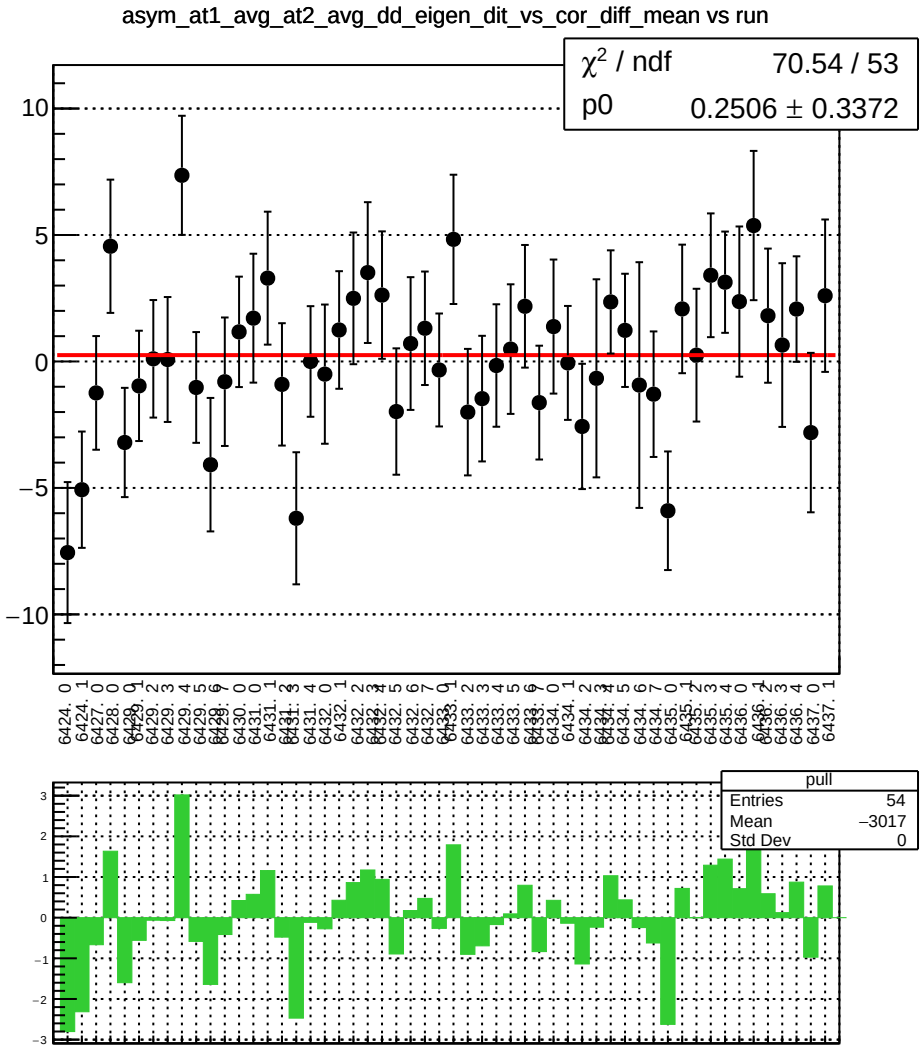

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0

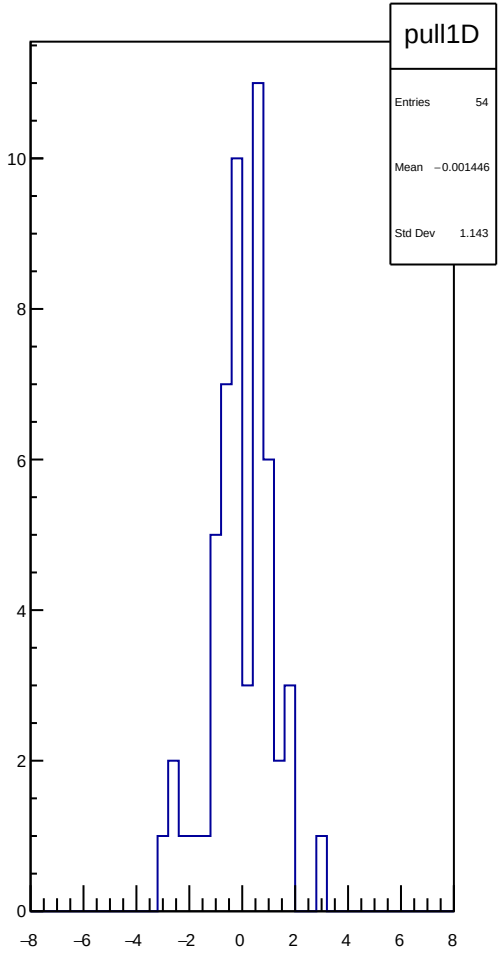

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

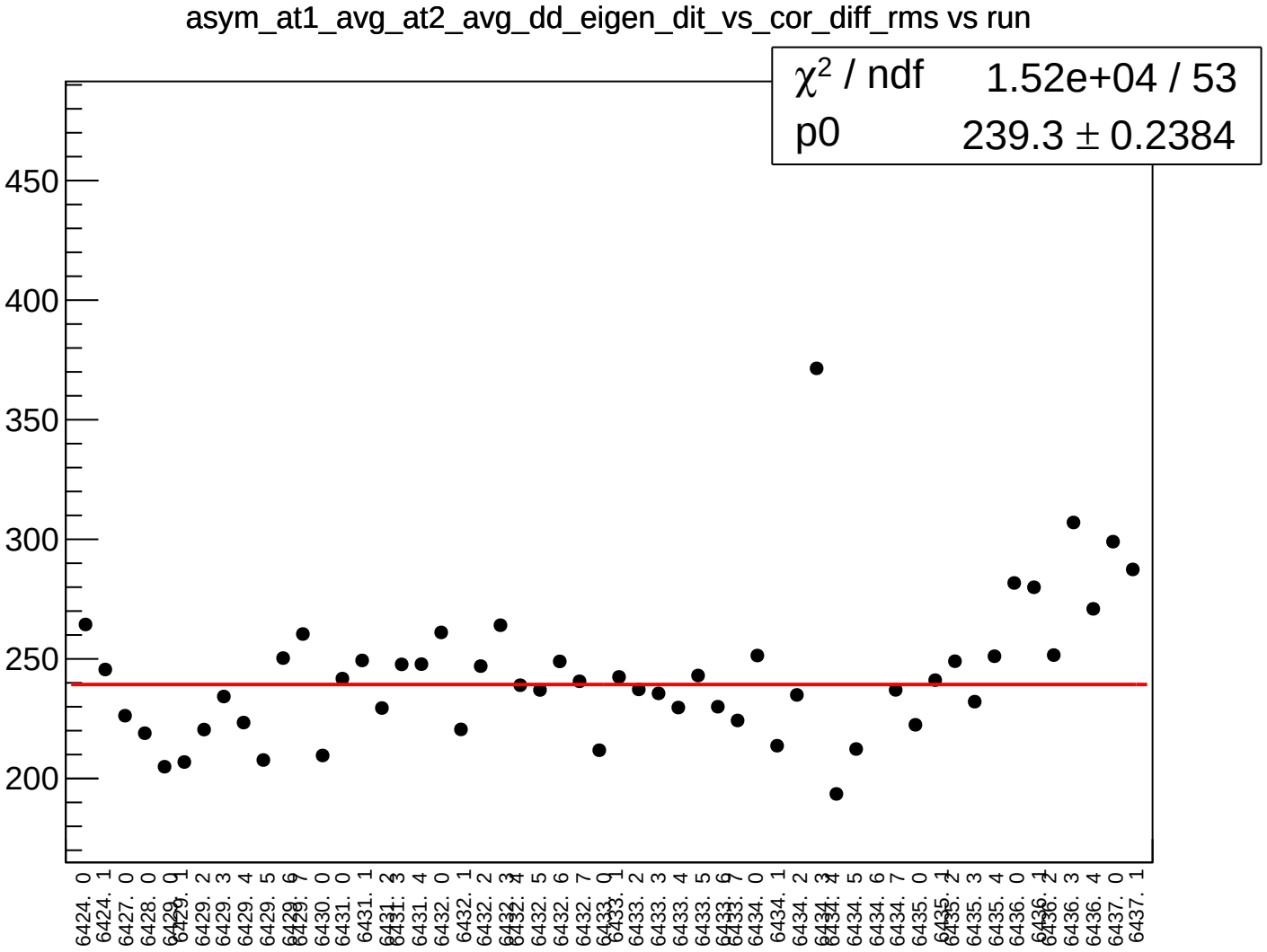

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

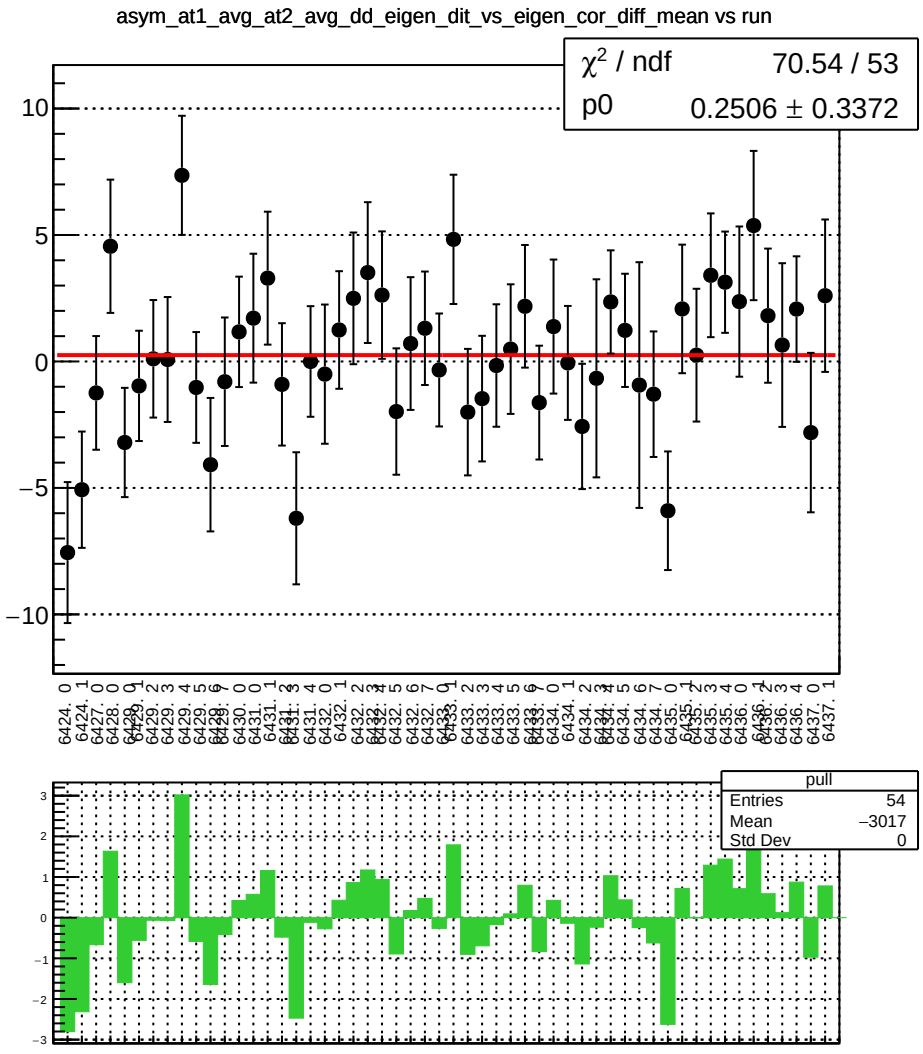

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 58.55 / 53
p0 7.306e−06 ± 1.49e−05
pull
Entries 54
Mean −56.97
Std Dev 0
pull1D
Entries 54
Mean 0.006813
Std Dev 1.041

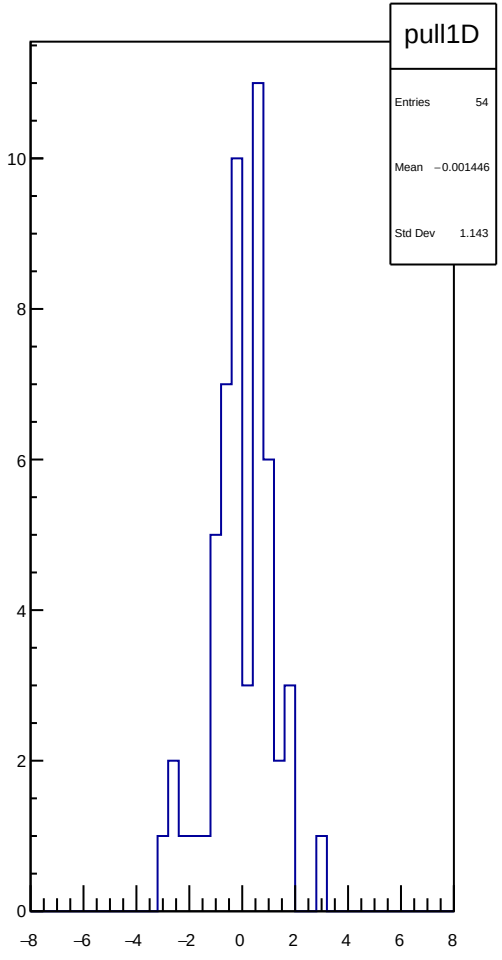

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2324 / 53
p0 0.01064 ± 1.053e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

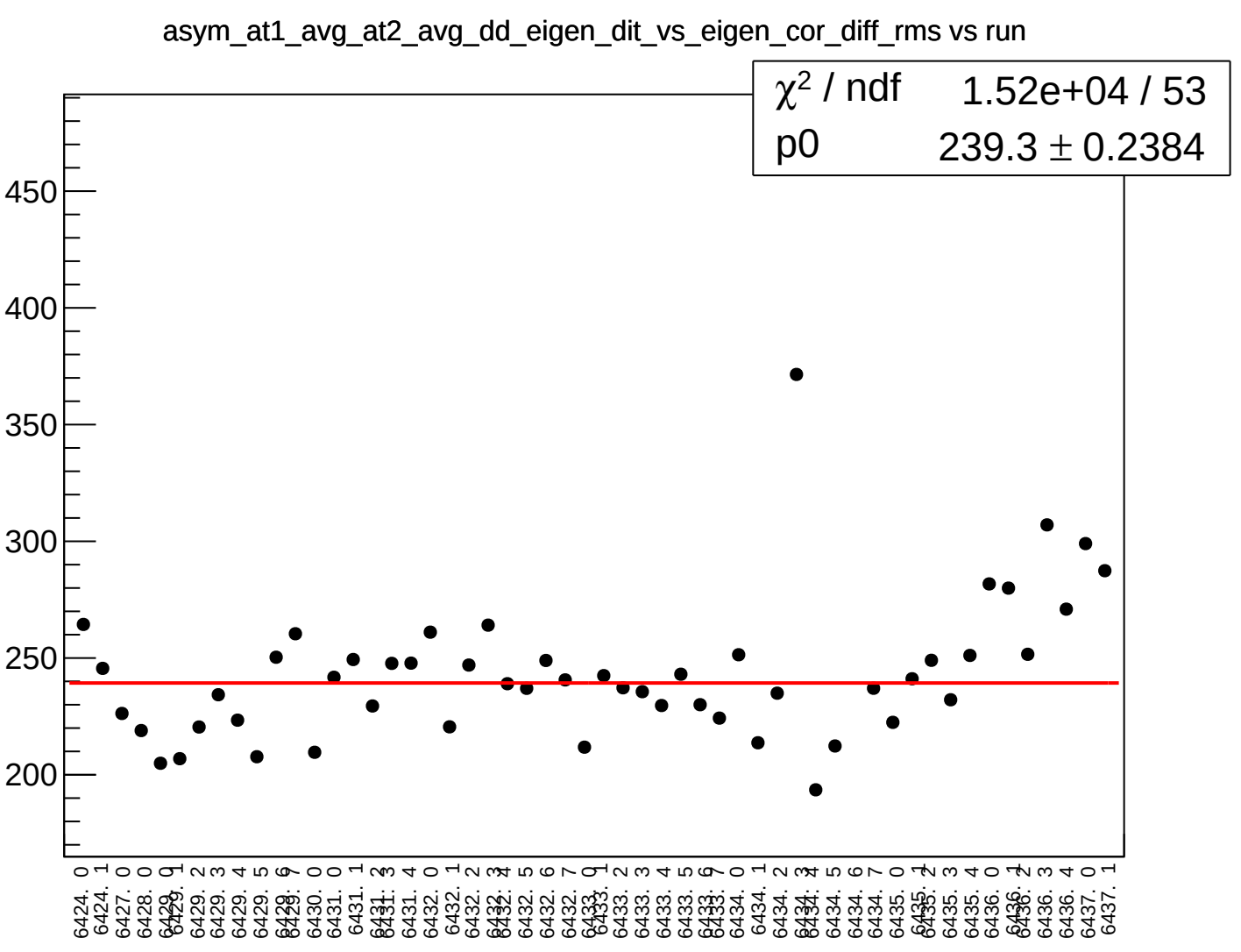

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0

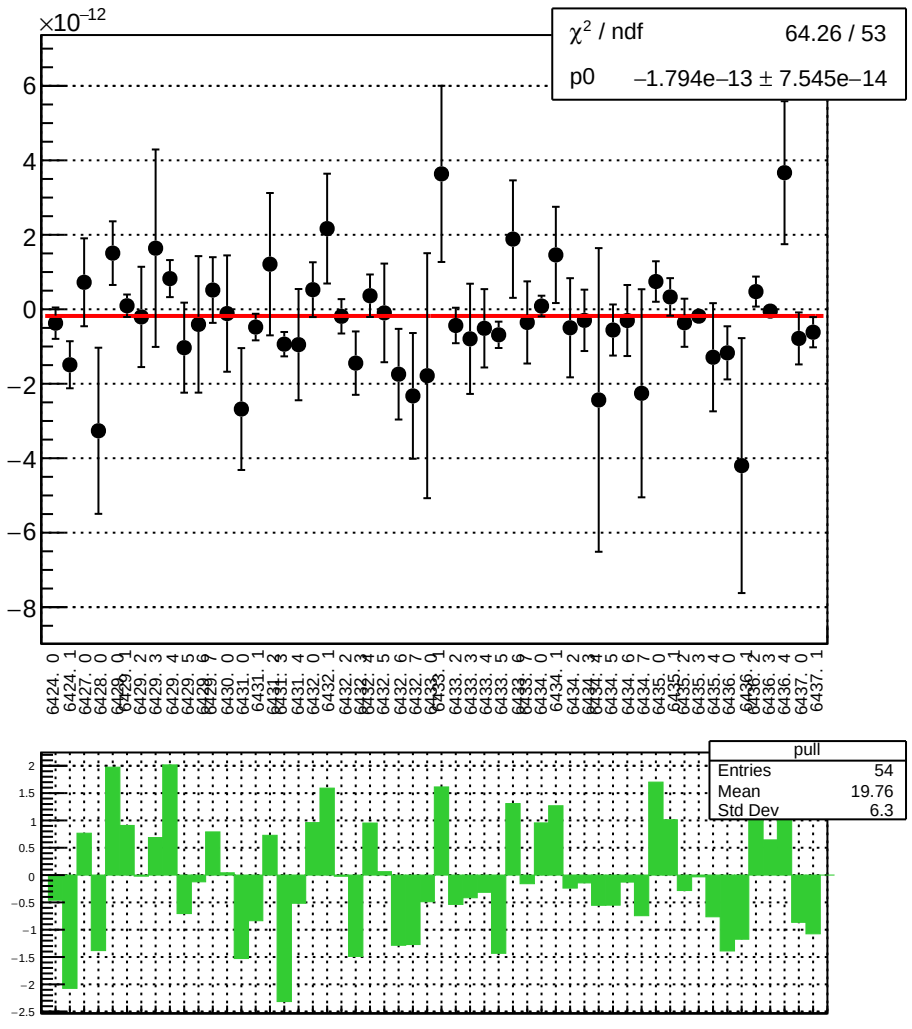

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

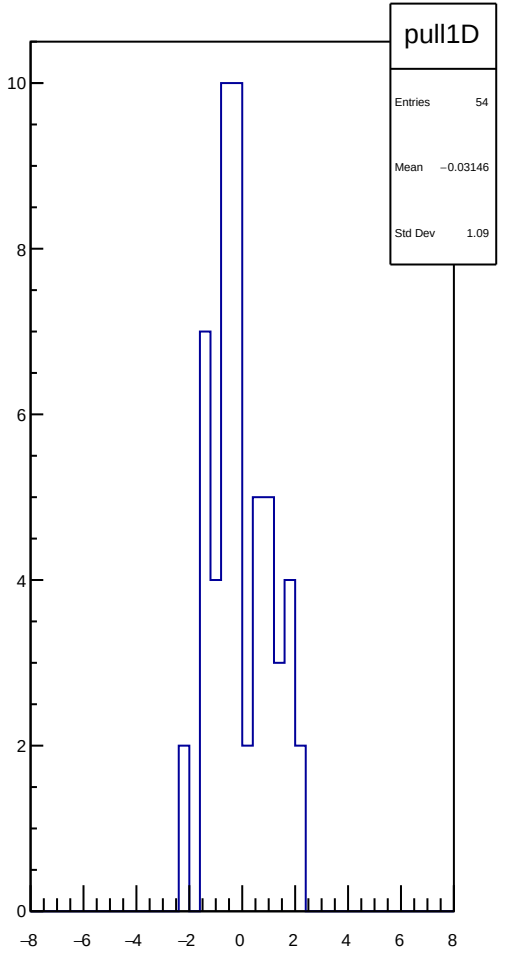

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

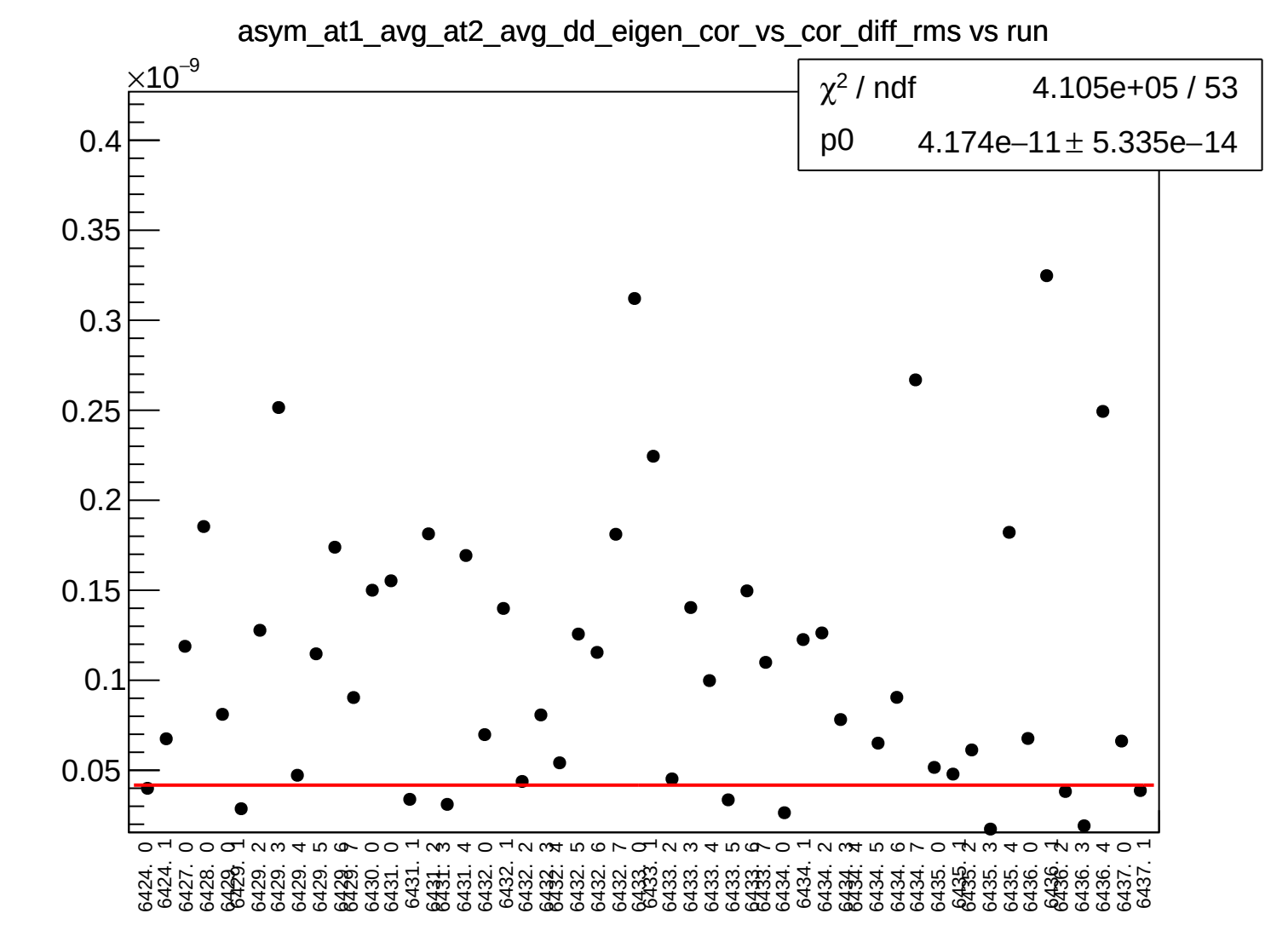

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0

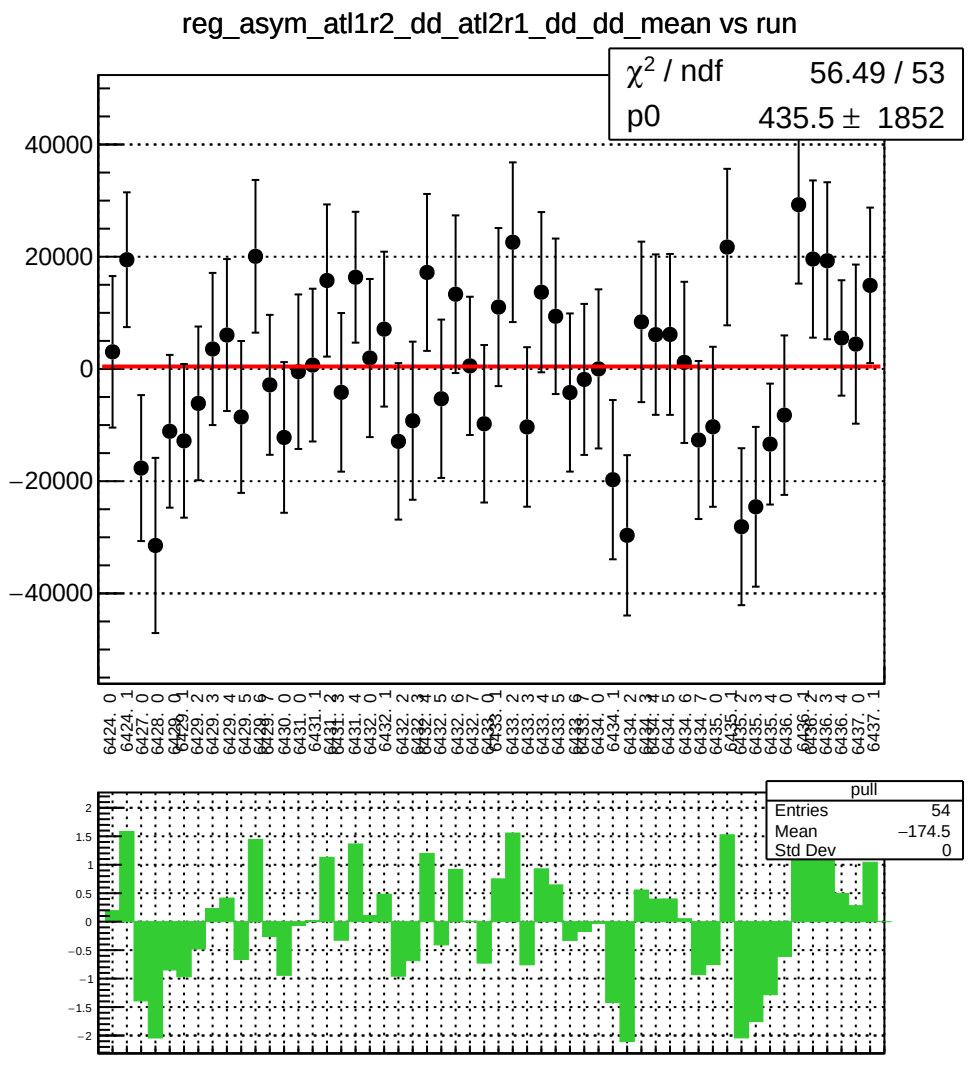

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

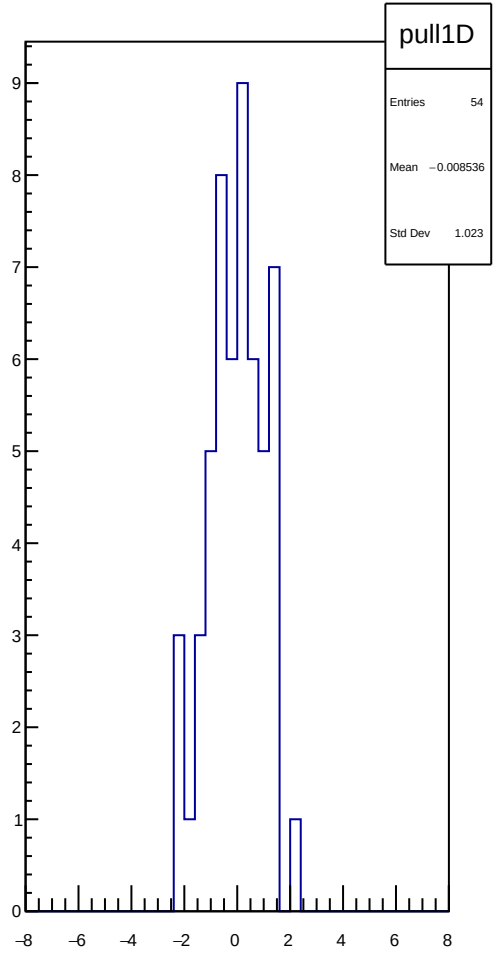

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

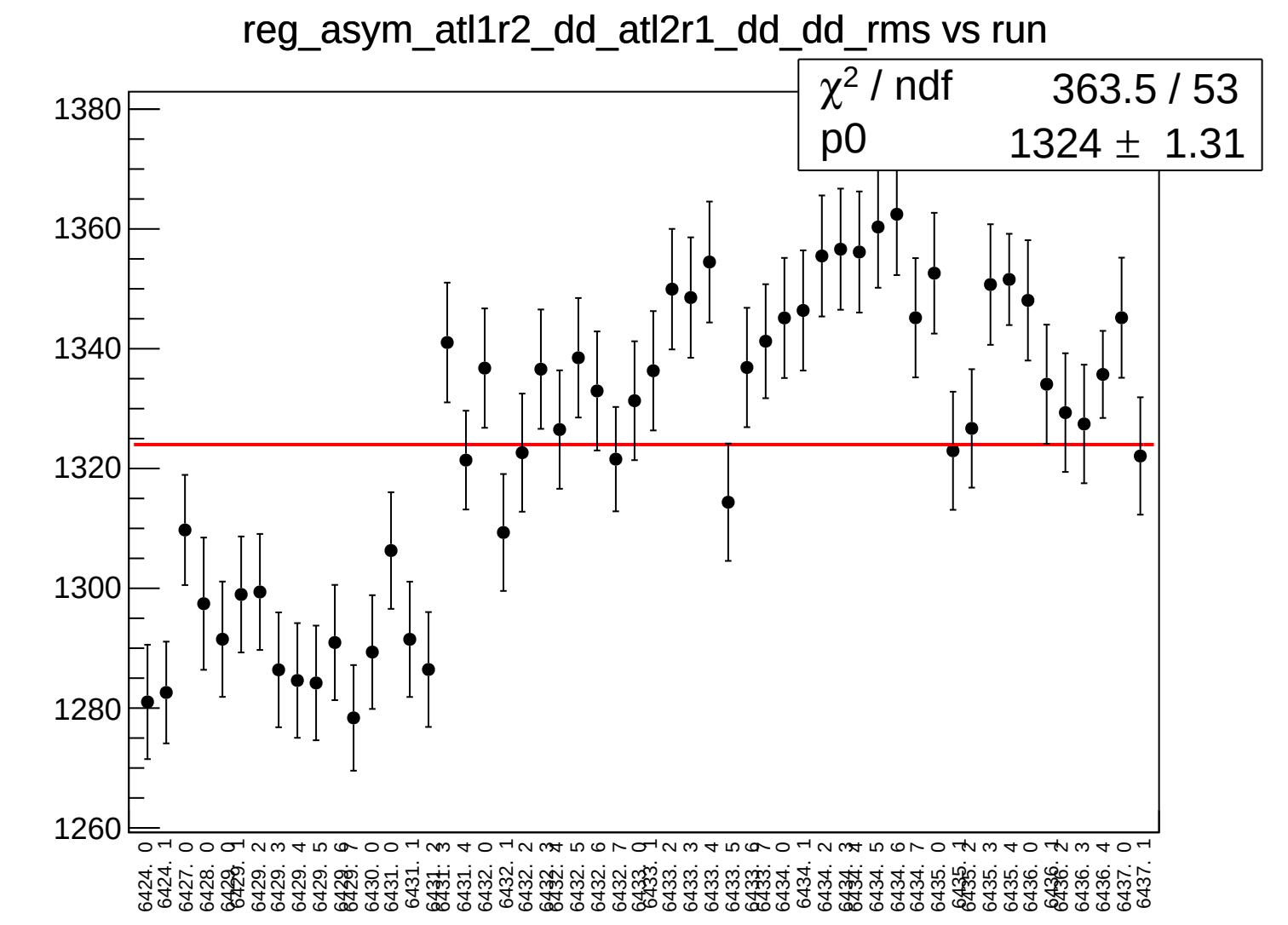

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.26 / 53
p0 −1.794e−13 ± 7.545e−14
pull
Entries 54
Mean 19.76
Std Dev 6.3

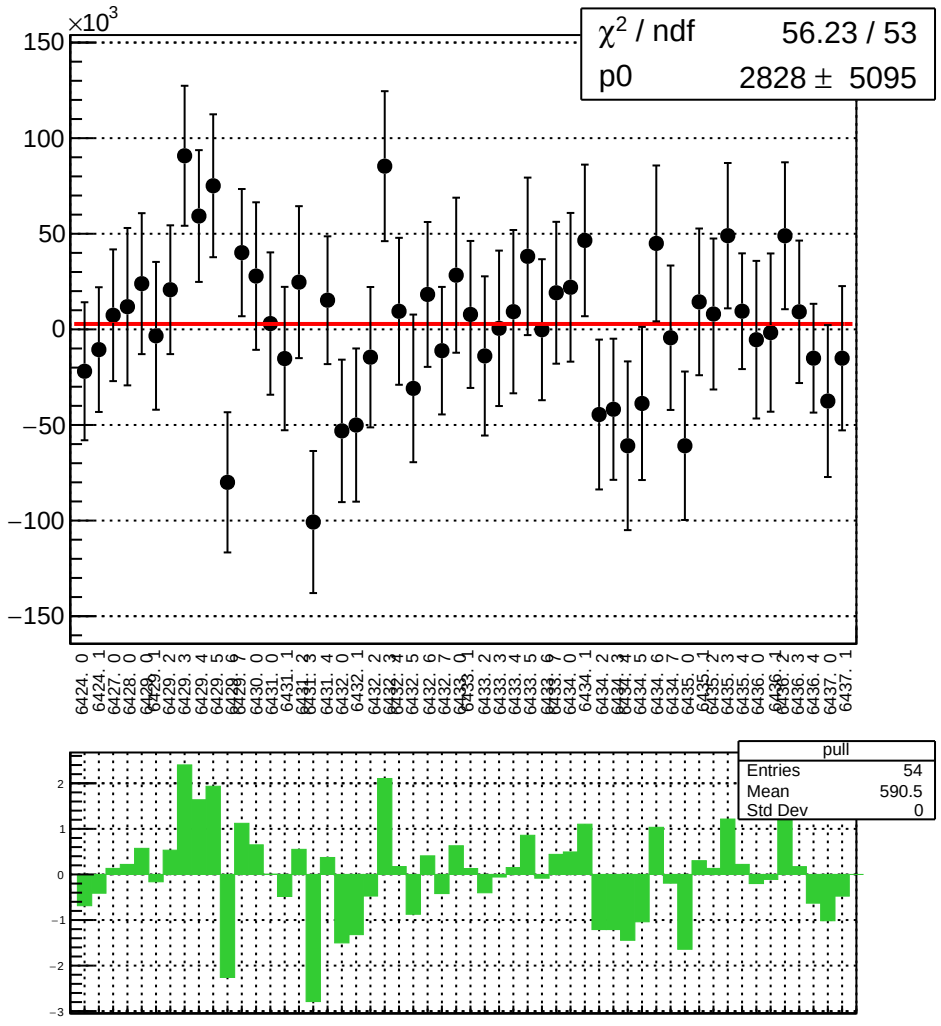

pull1D
Entries 54
Mean −0.03146
Std Dev 1.09

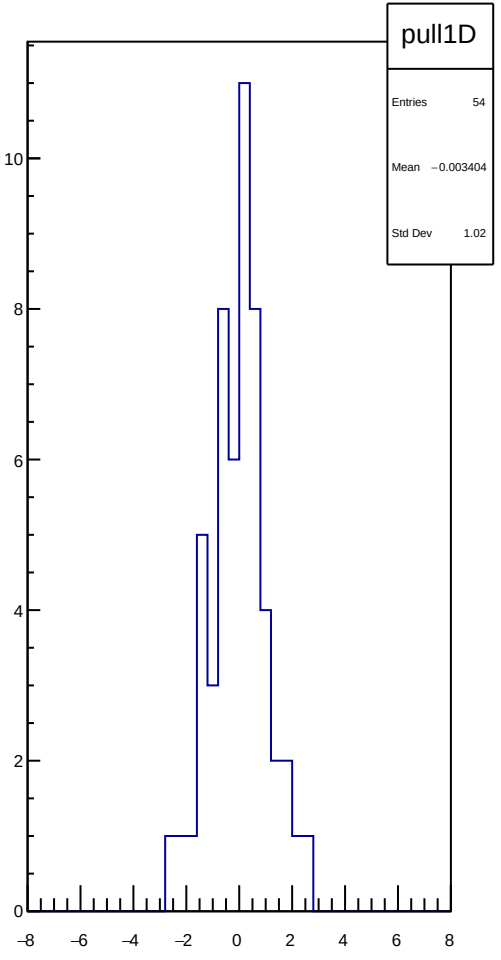

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.105e+05 / 53
p0 4.174e−11 ± 5.335e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

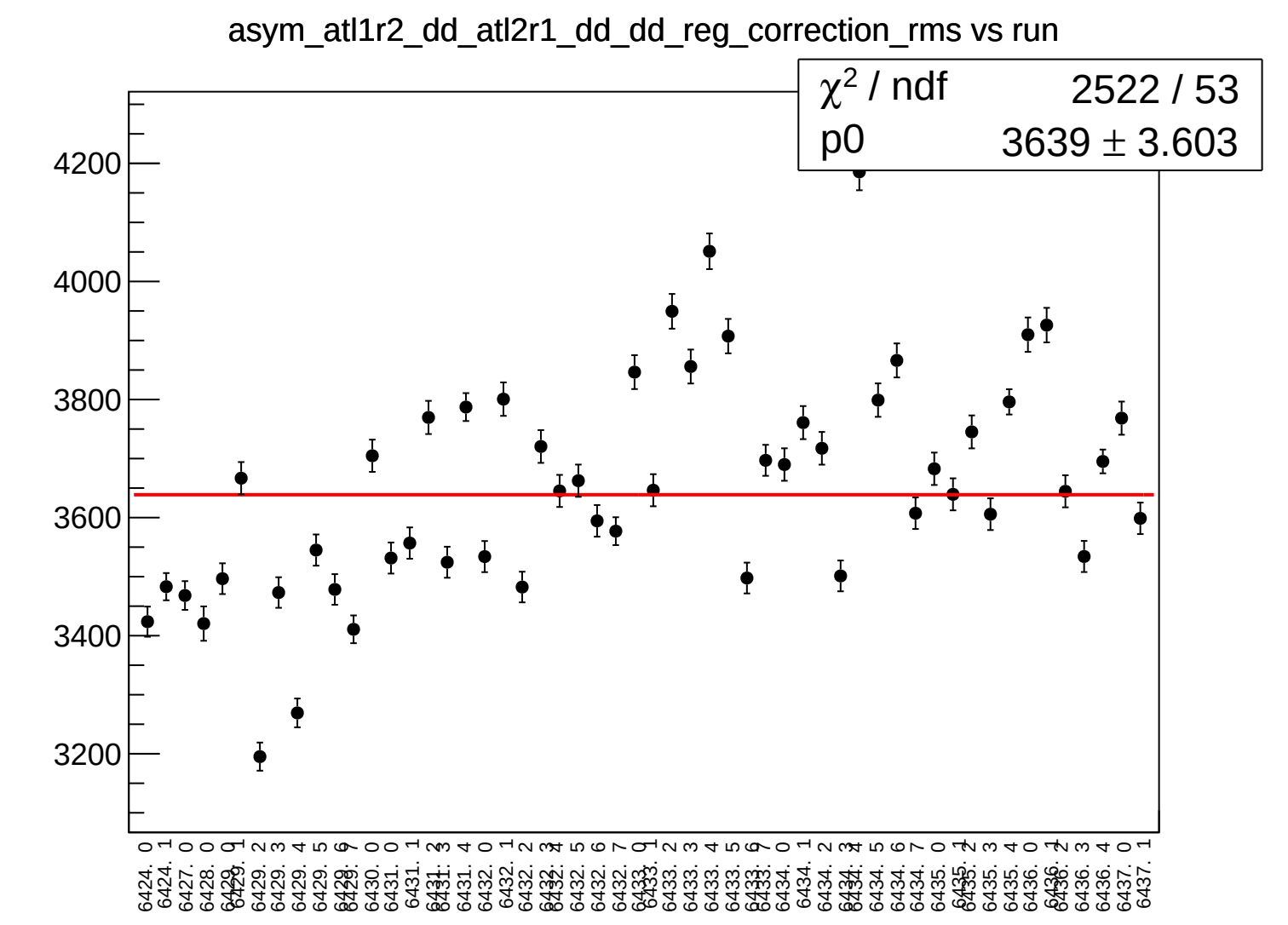

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.5 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

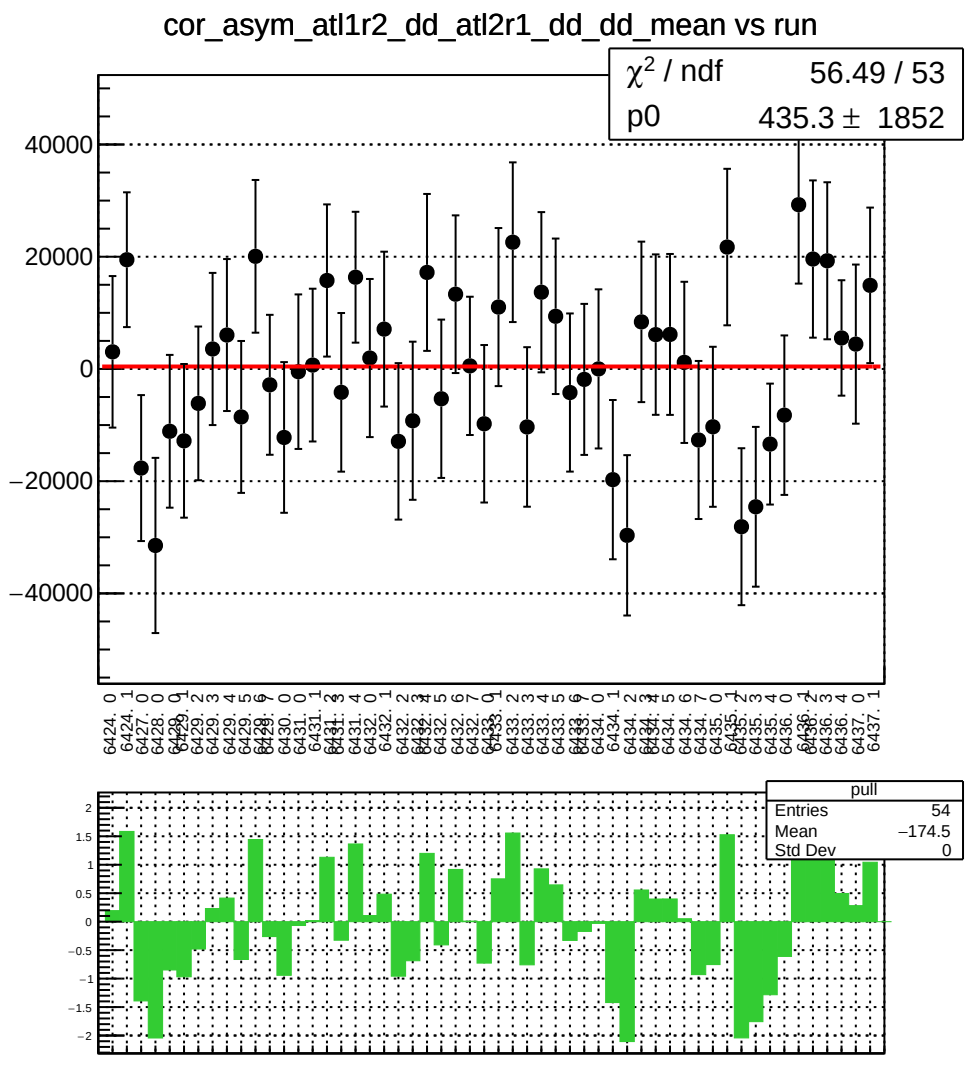

pull1D
Entries 54
Mean −0.008536
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

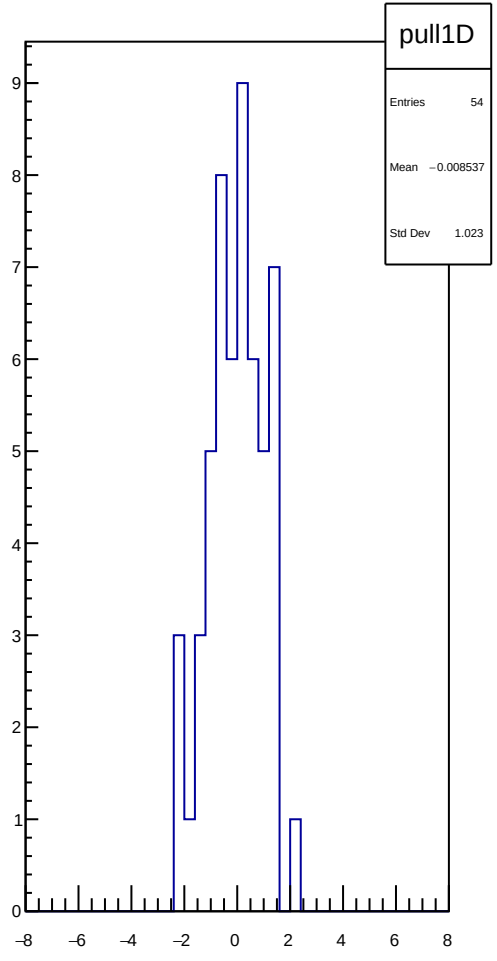

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

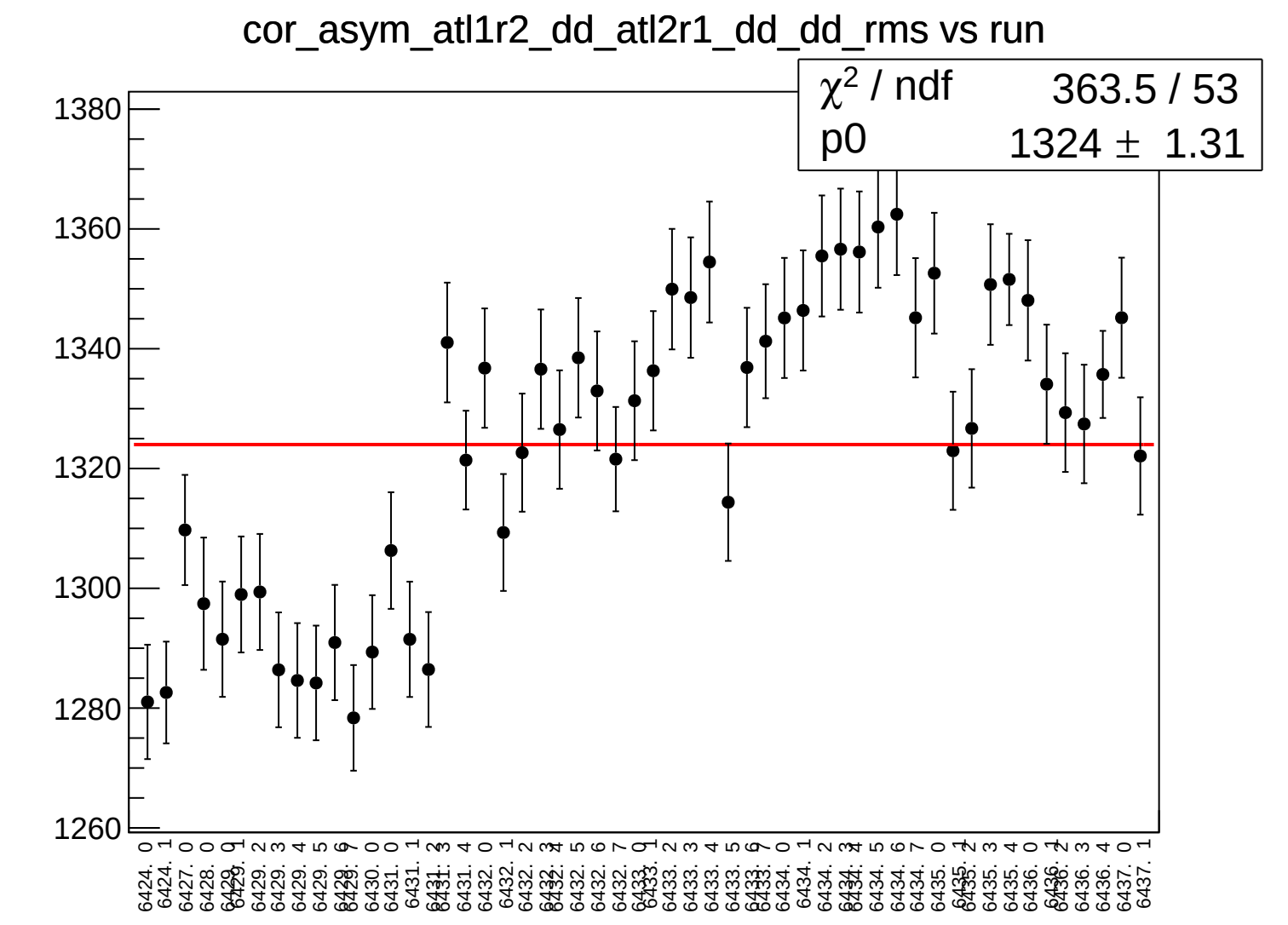

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
χ² / ndf 56.23 / 53
p0 2828 ± 5095
pull
Entries 54
Mean 590.5
Std Dev 0

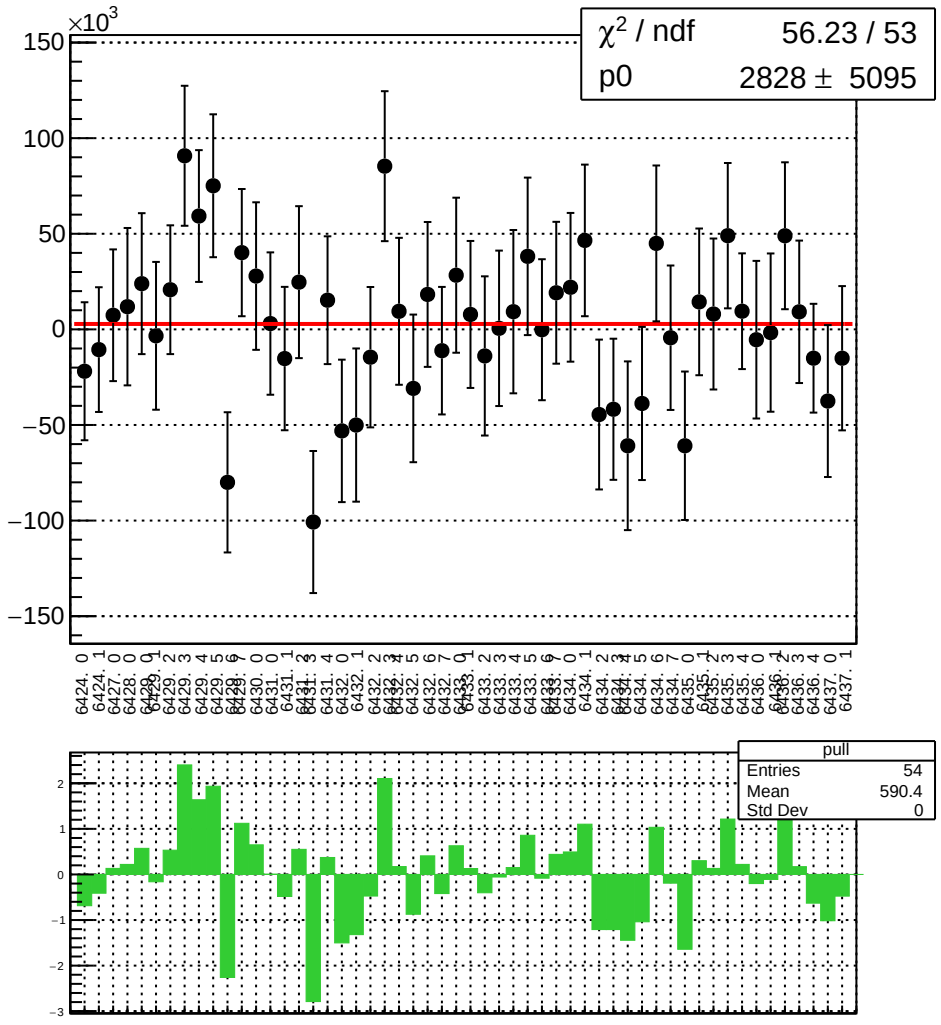

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02

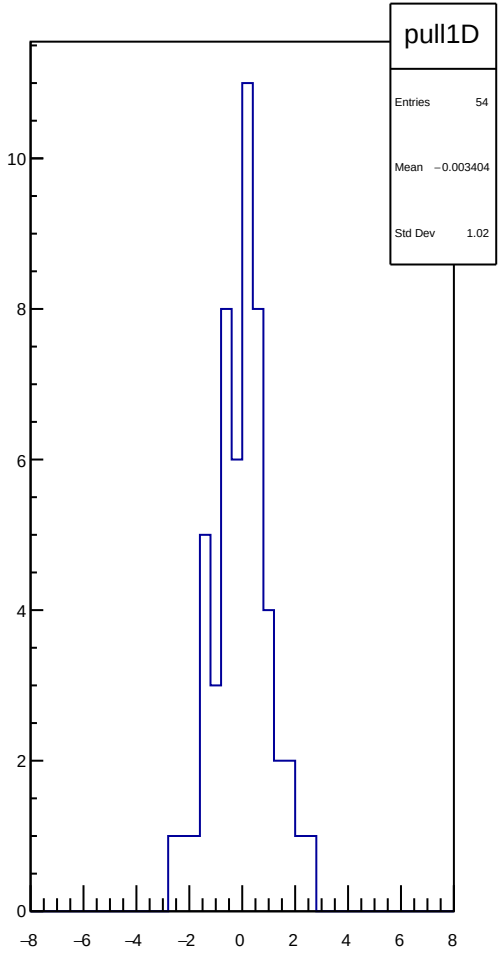

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 2522 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

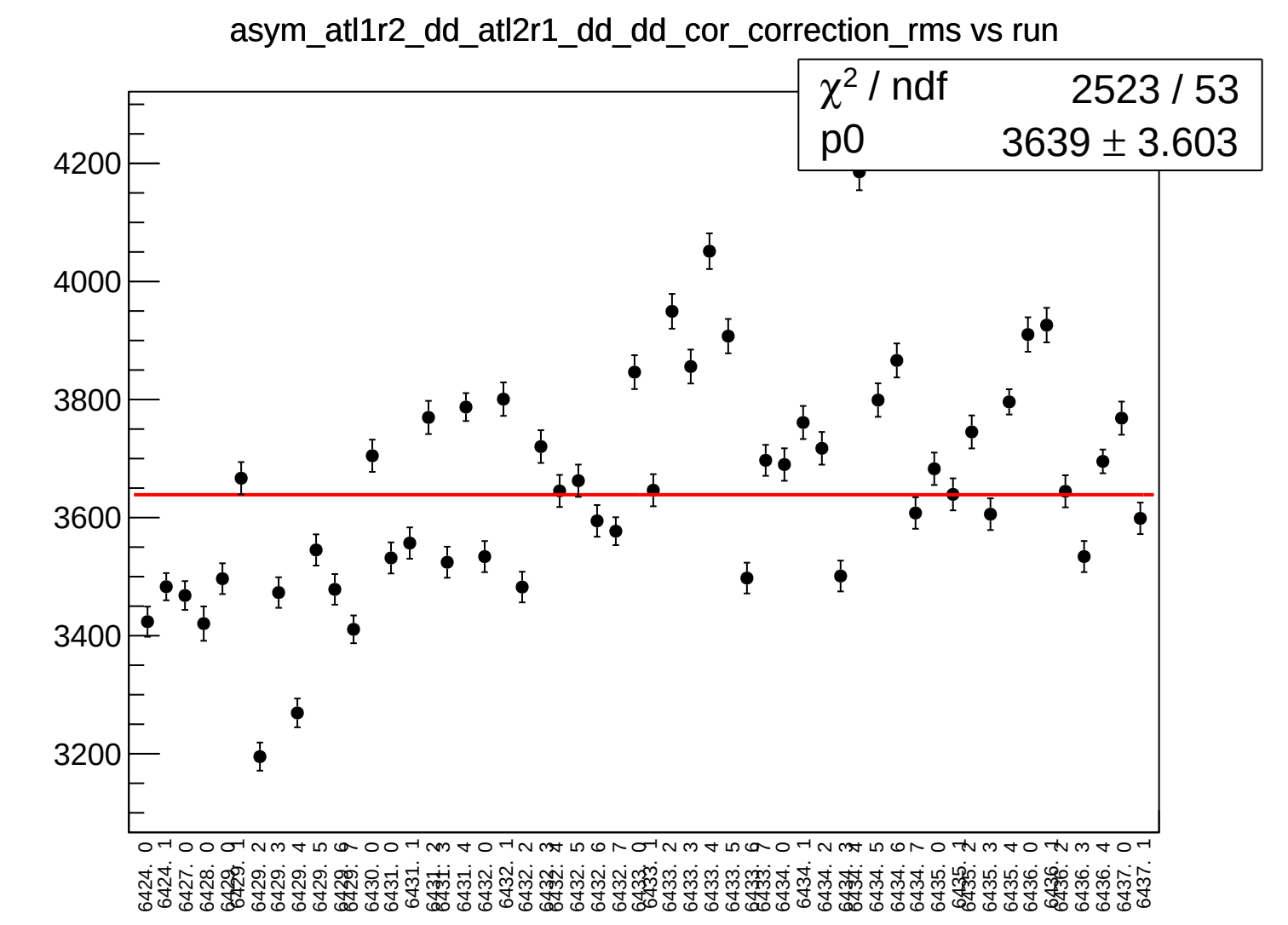

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

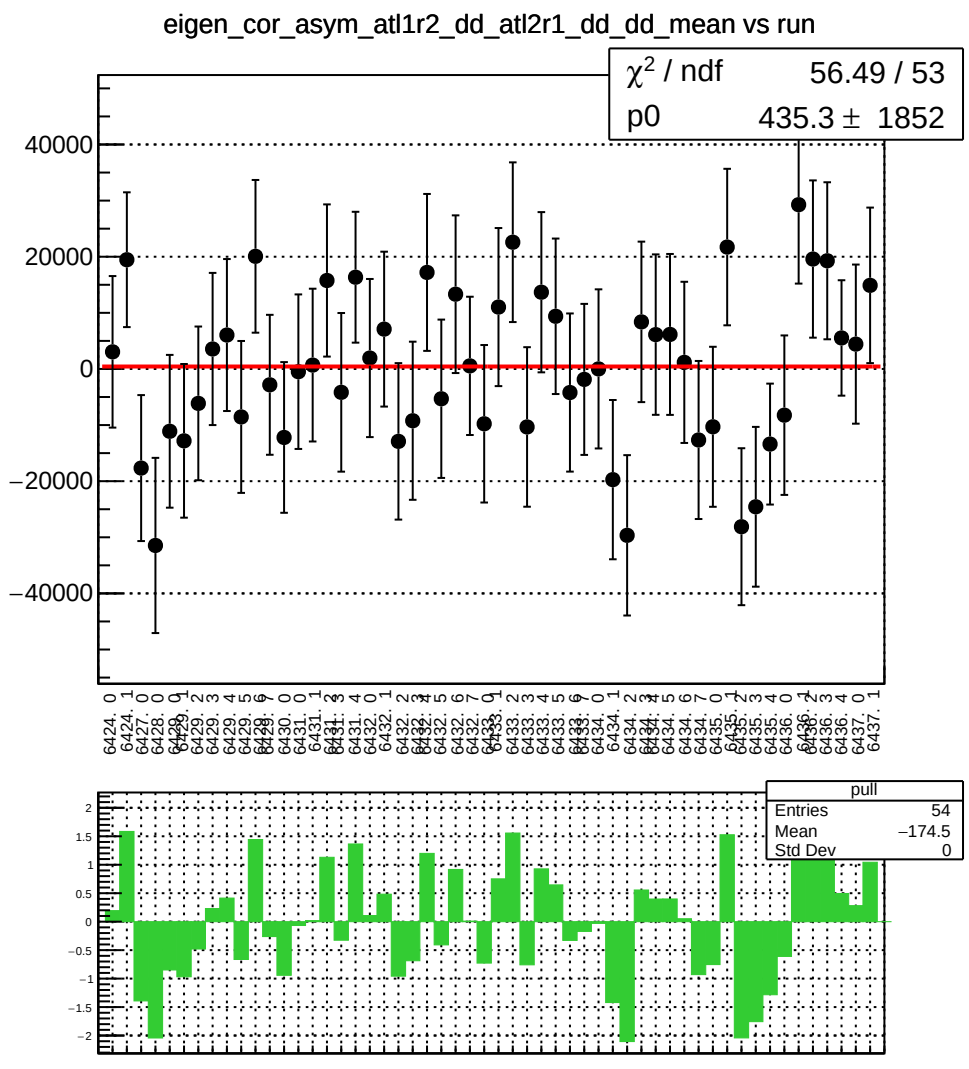

pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

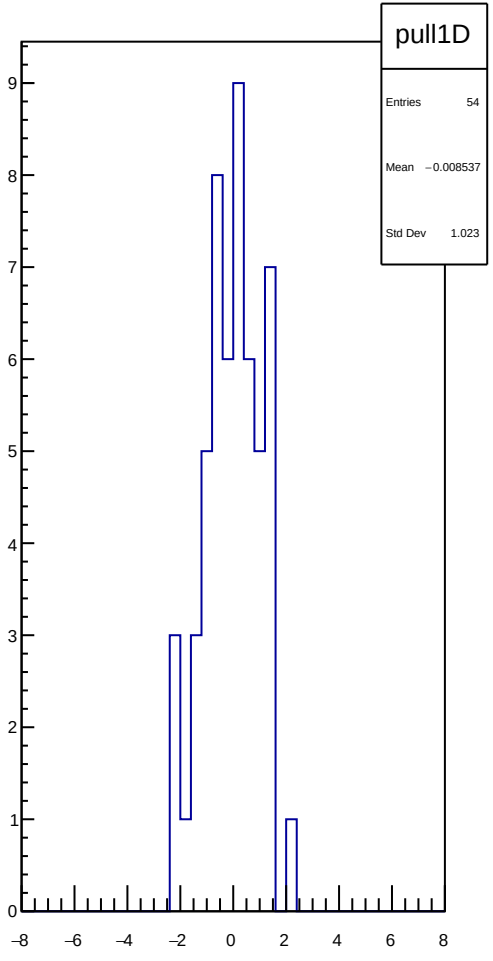

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

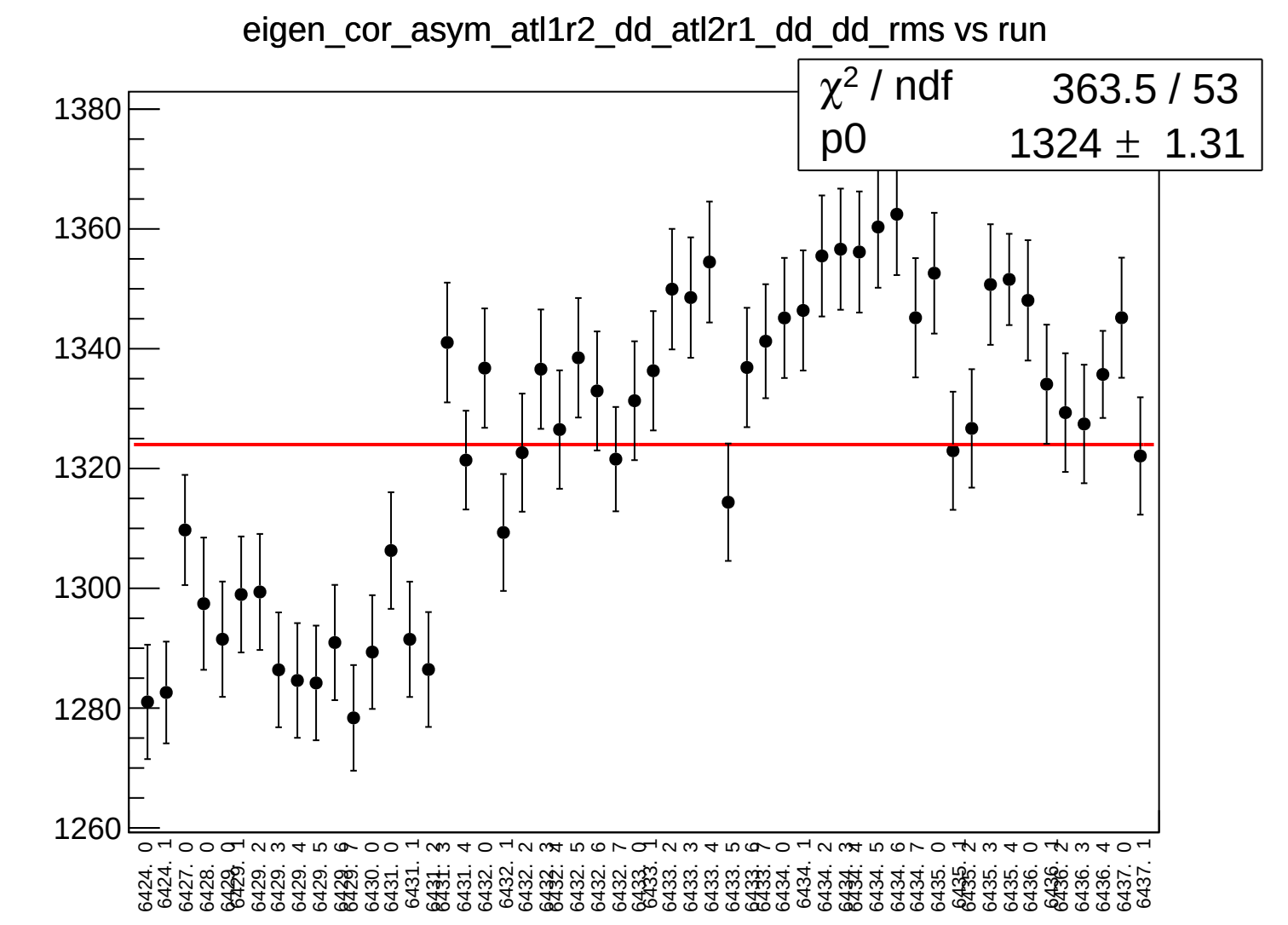

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.23 / 53
p0 2828 ± 5095
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 590.4
Std Dev 0
2
1
0
−1
−2
−3

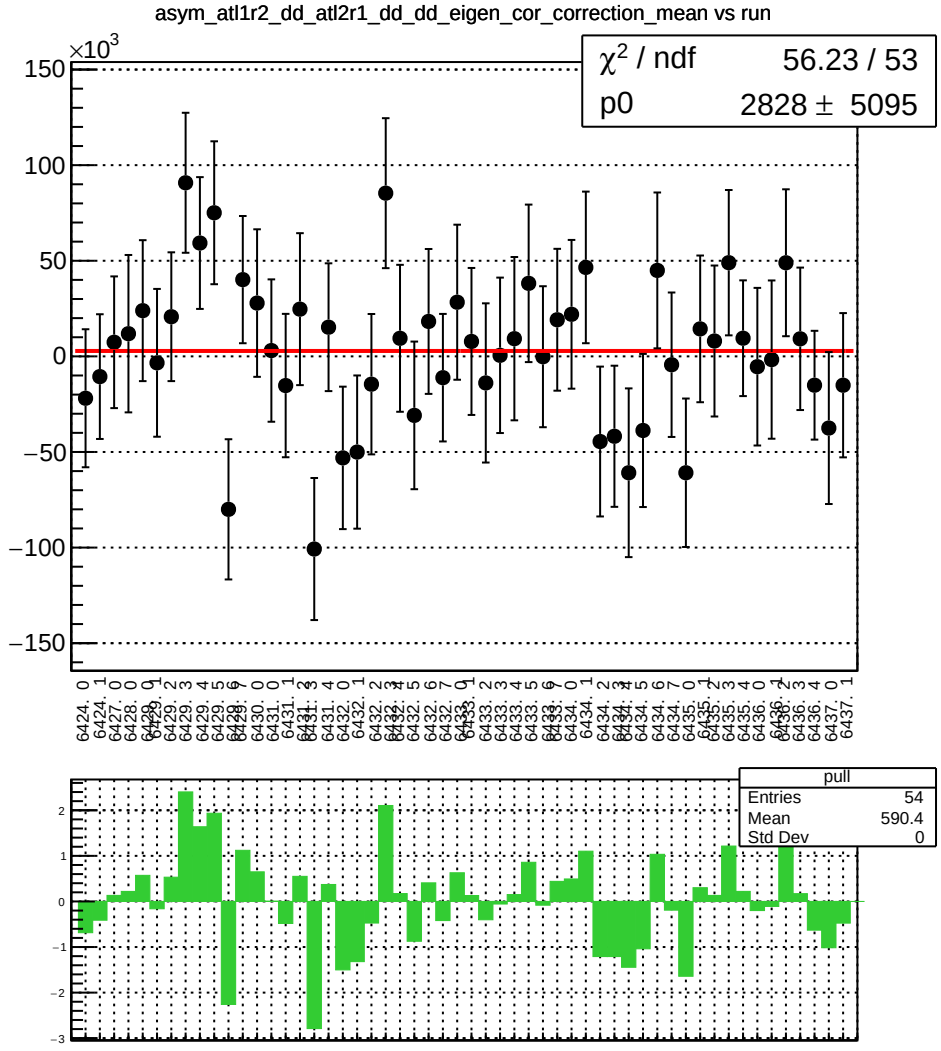

pull1D
Entries 54
Mean −0.003404
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

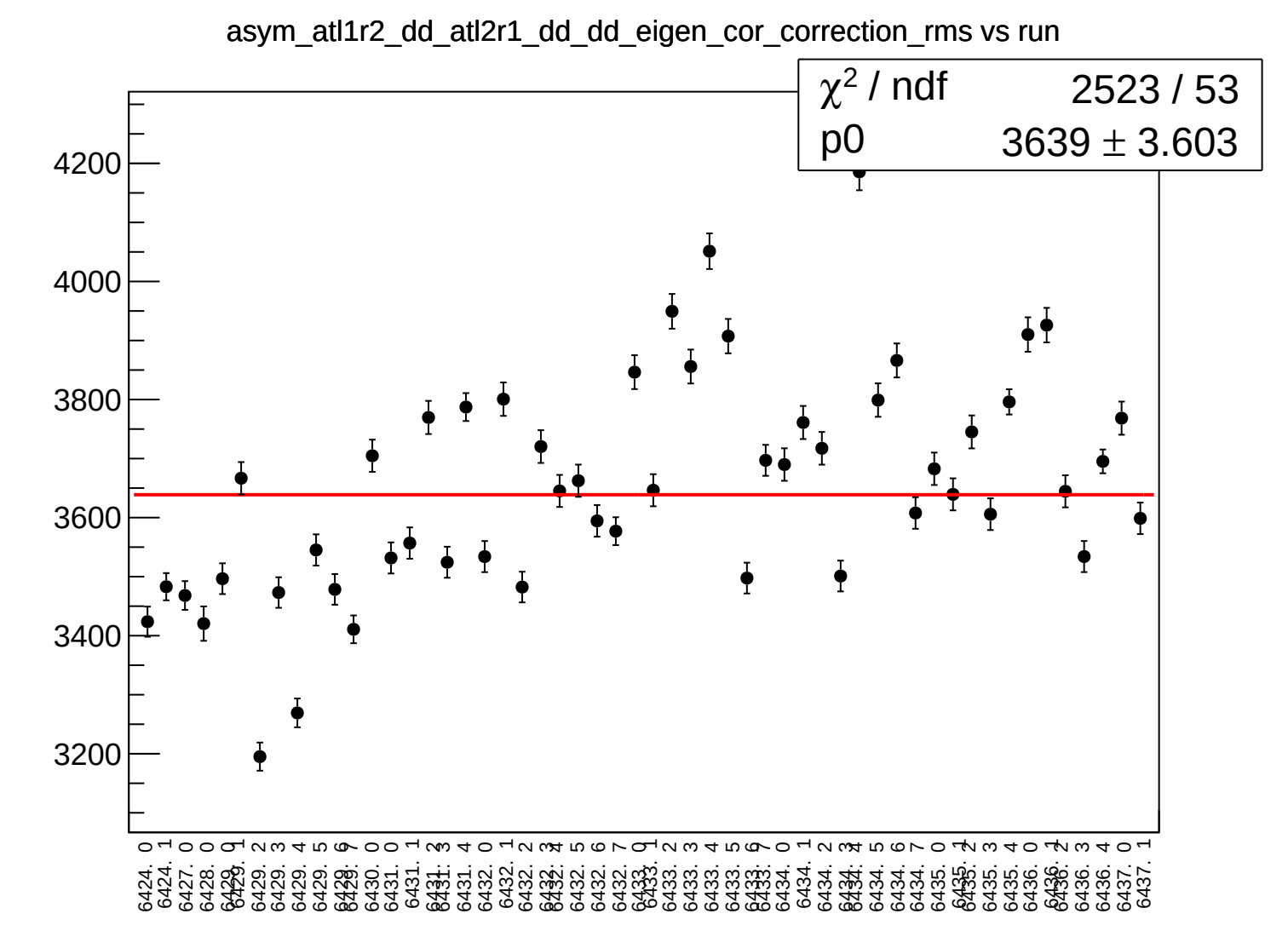

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 56.49 / 53
p0 435.3 ± 1852
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −174.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.008537
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 363.5 / 53
p0 1324 ± 1.31
1380
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.23 / 53
p0 2828 ± 5095
150
100
50
0
−50
−100
−150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 590.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.003404
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2523 / 53
p0 3639 ± 3.603
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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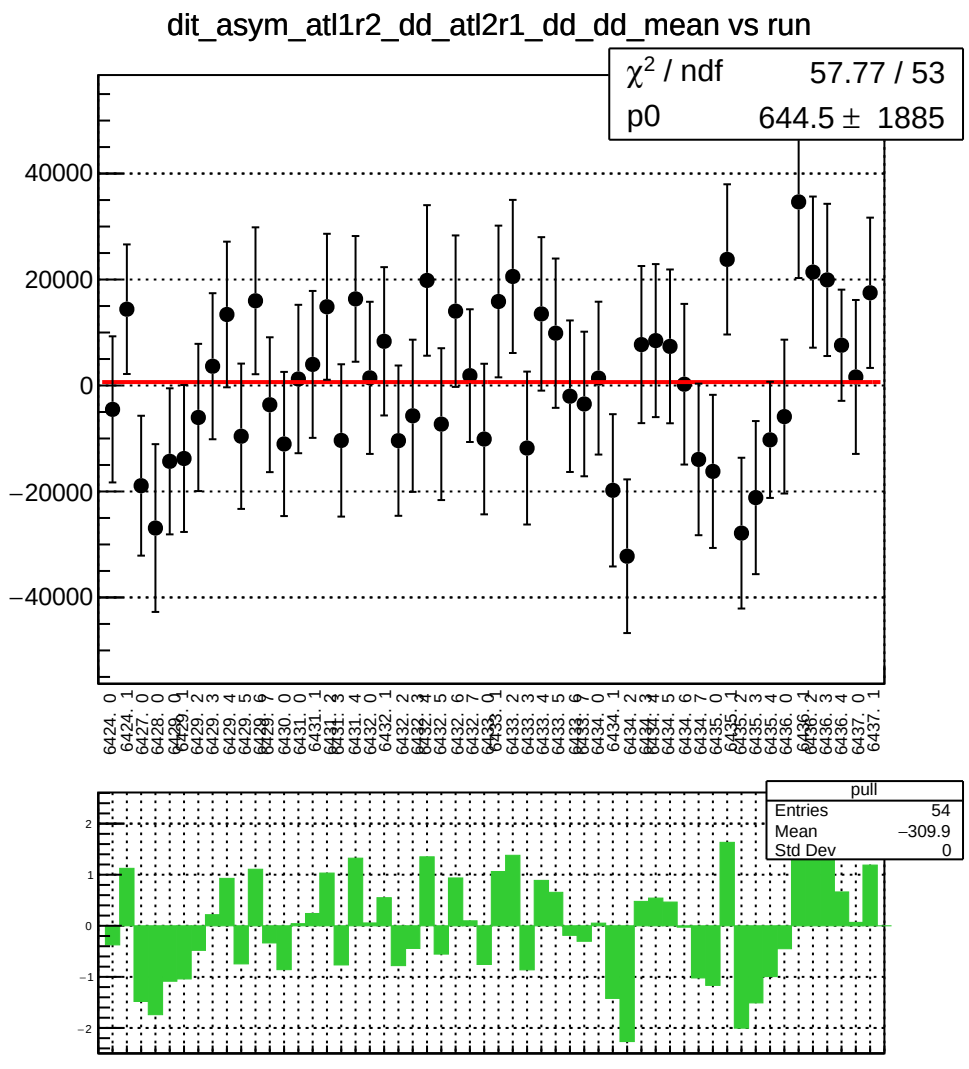
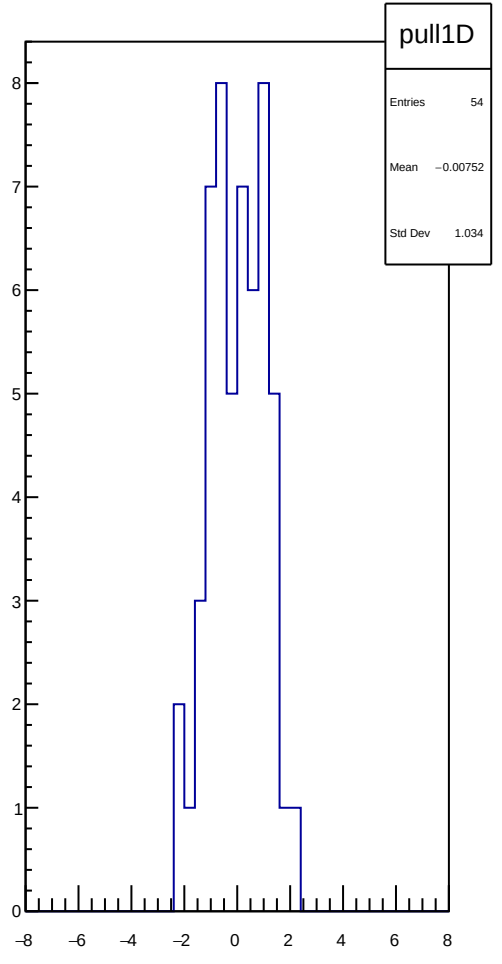
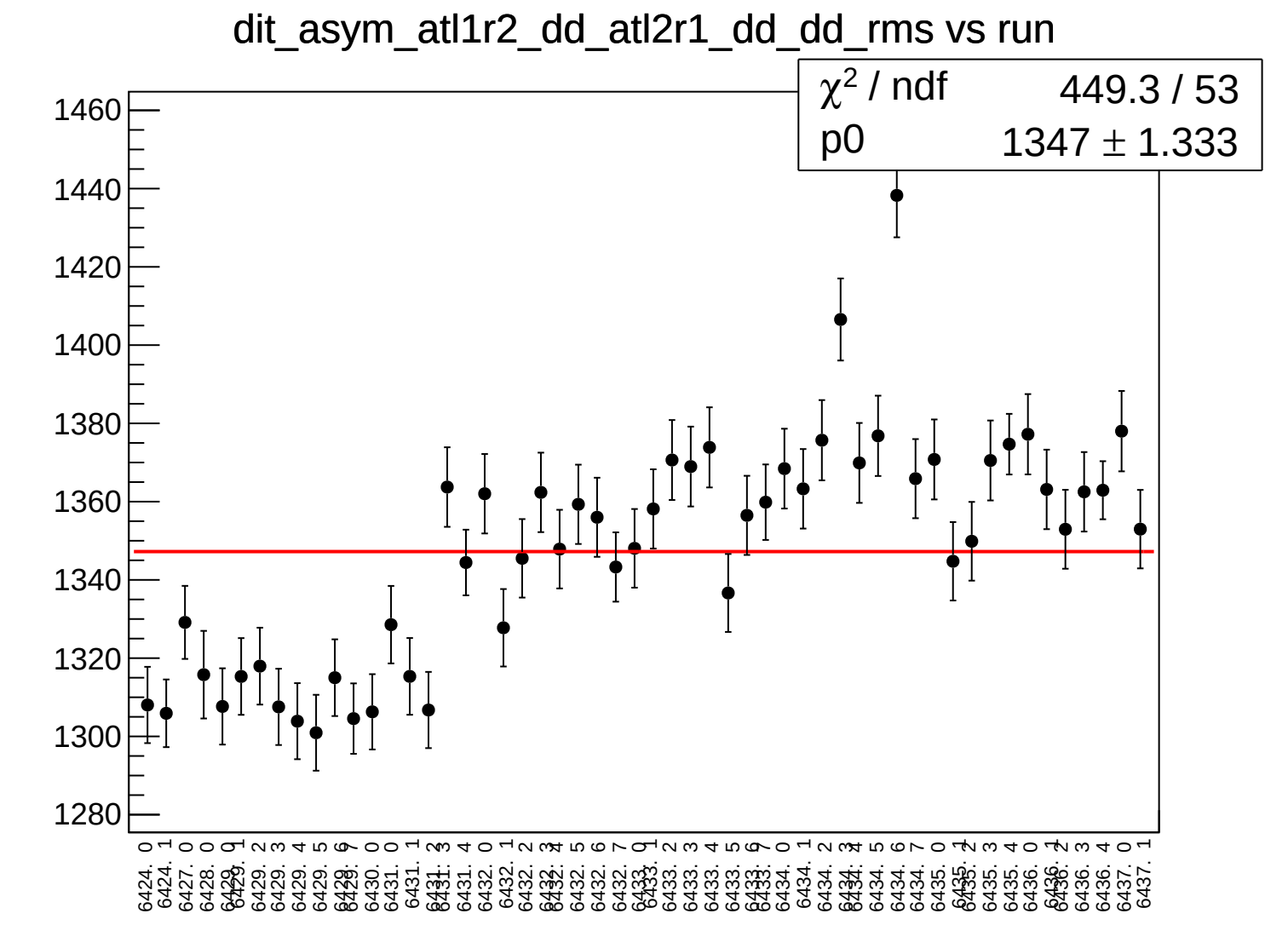
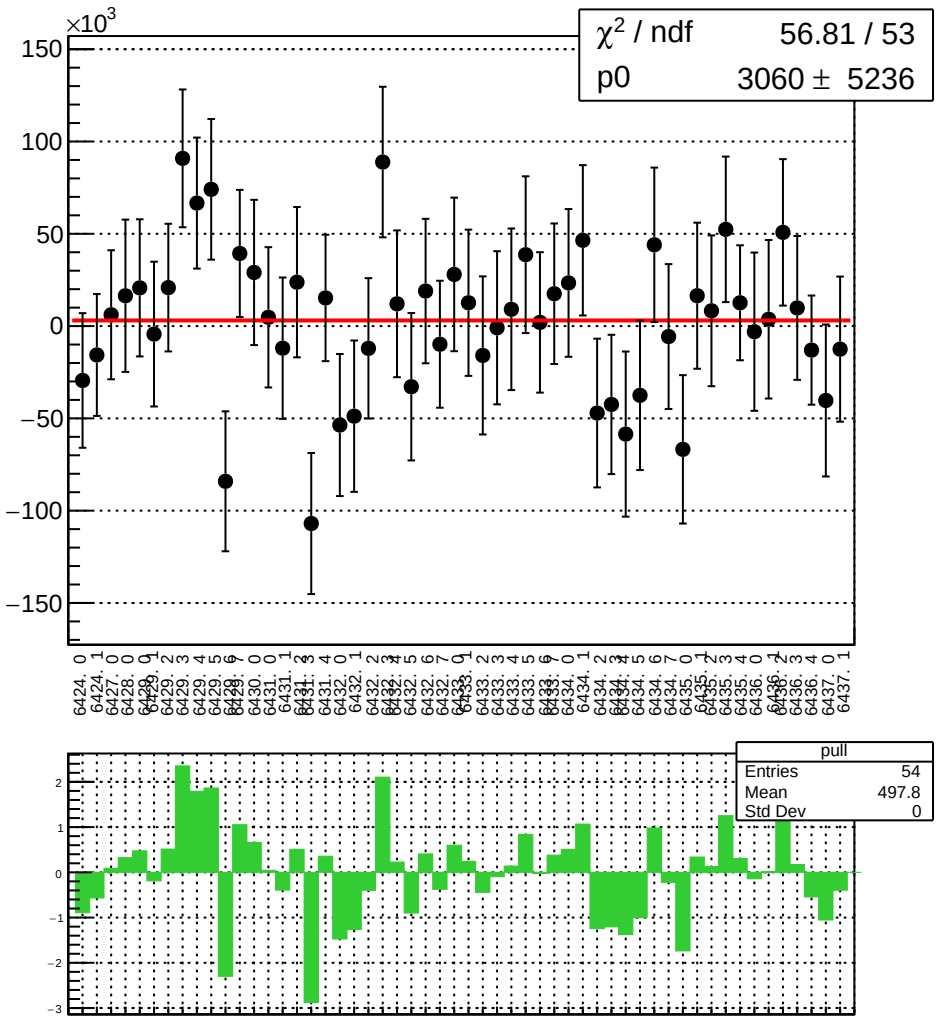
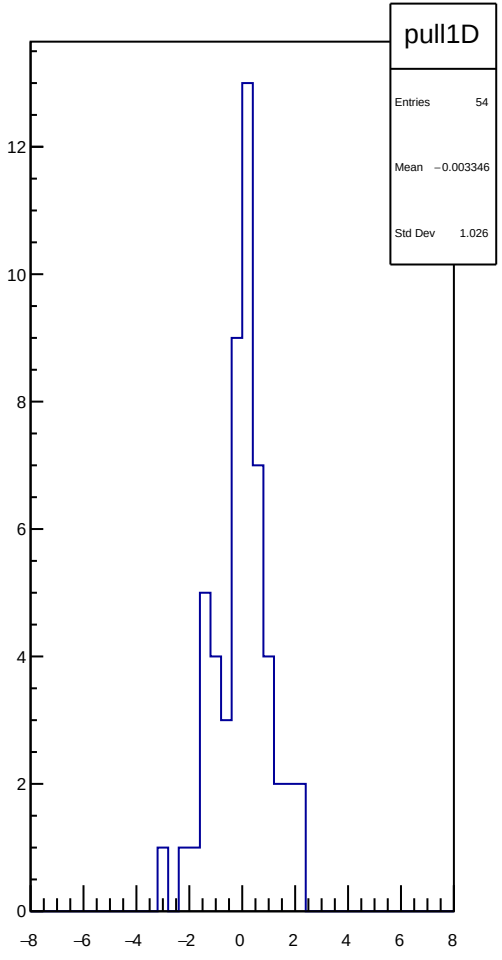
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

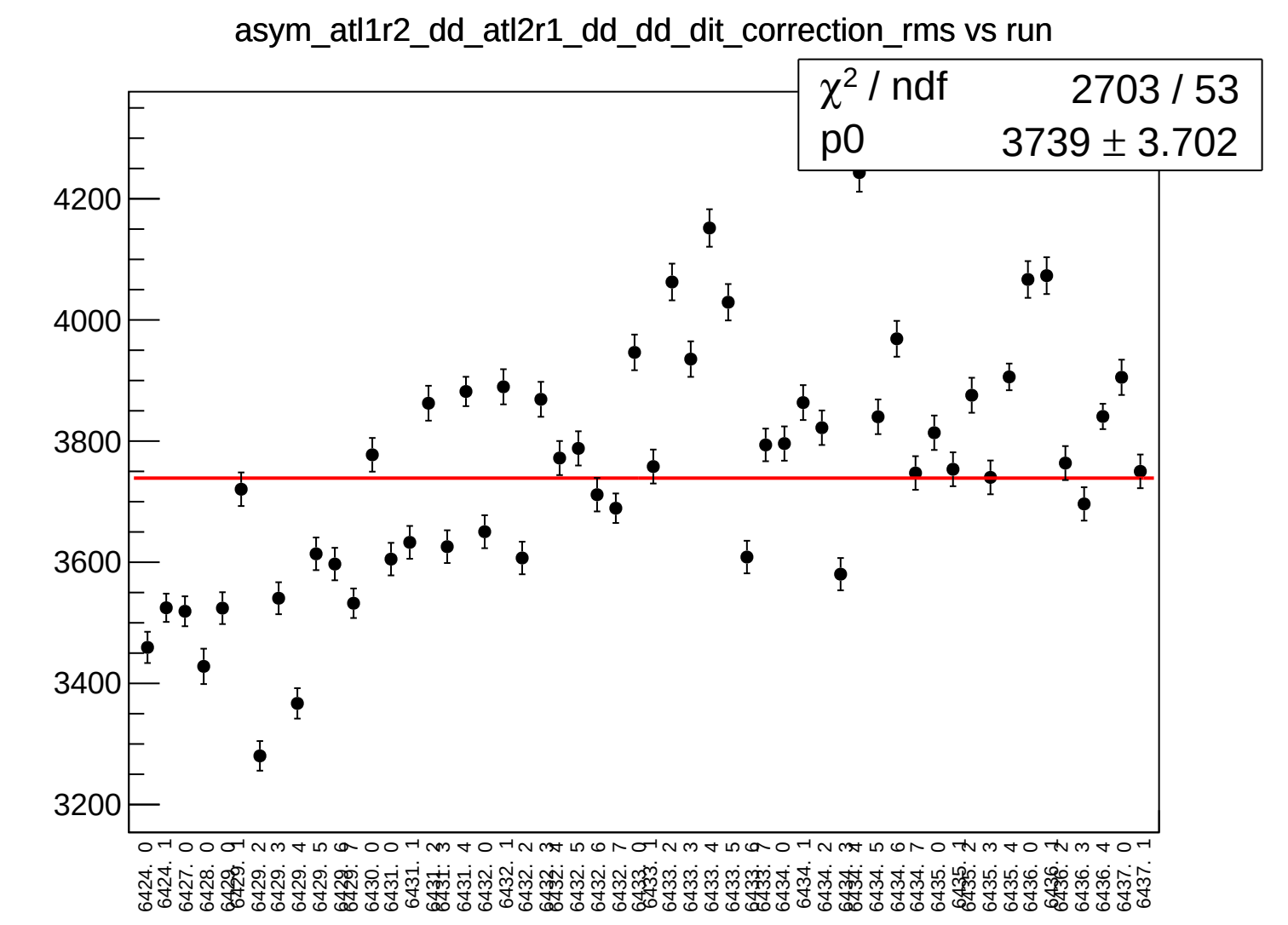

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
2
1
0
−1
−2

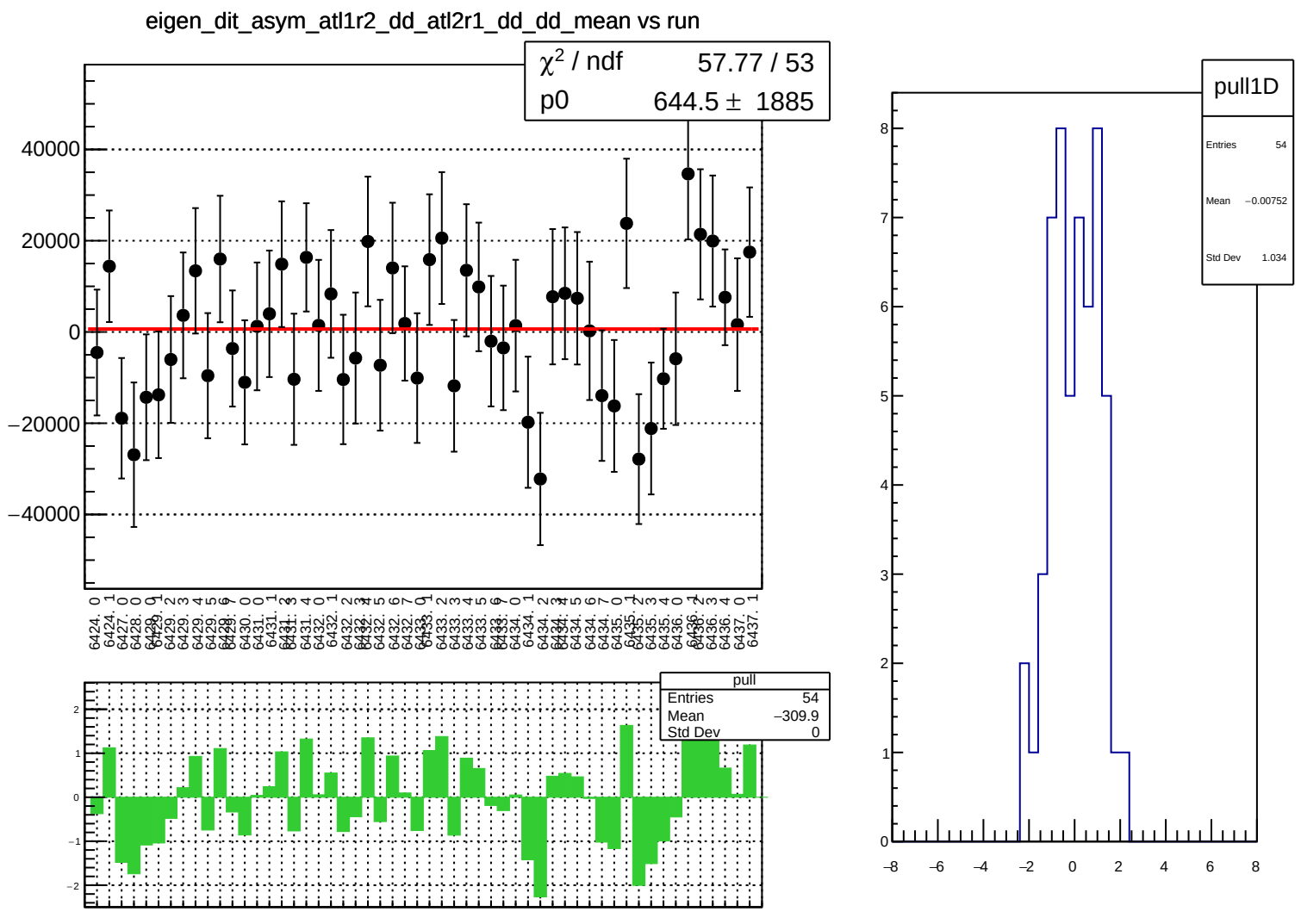

pull1D
Entries 54
Mean −0.00752
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

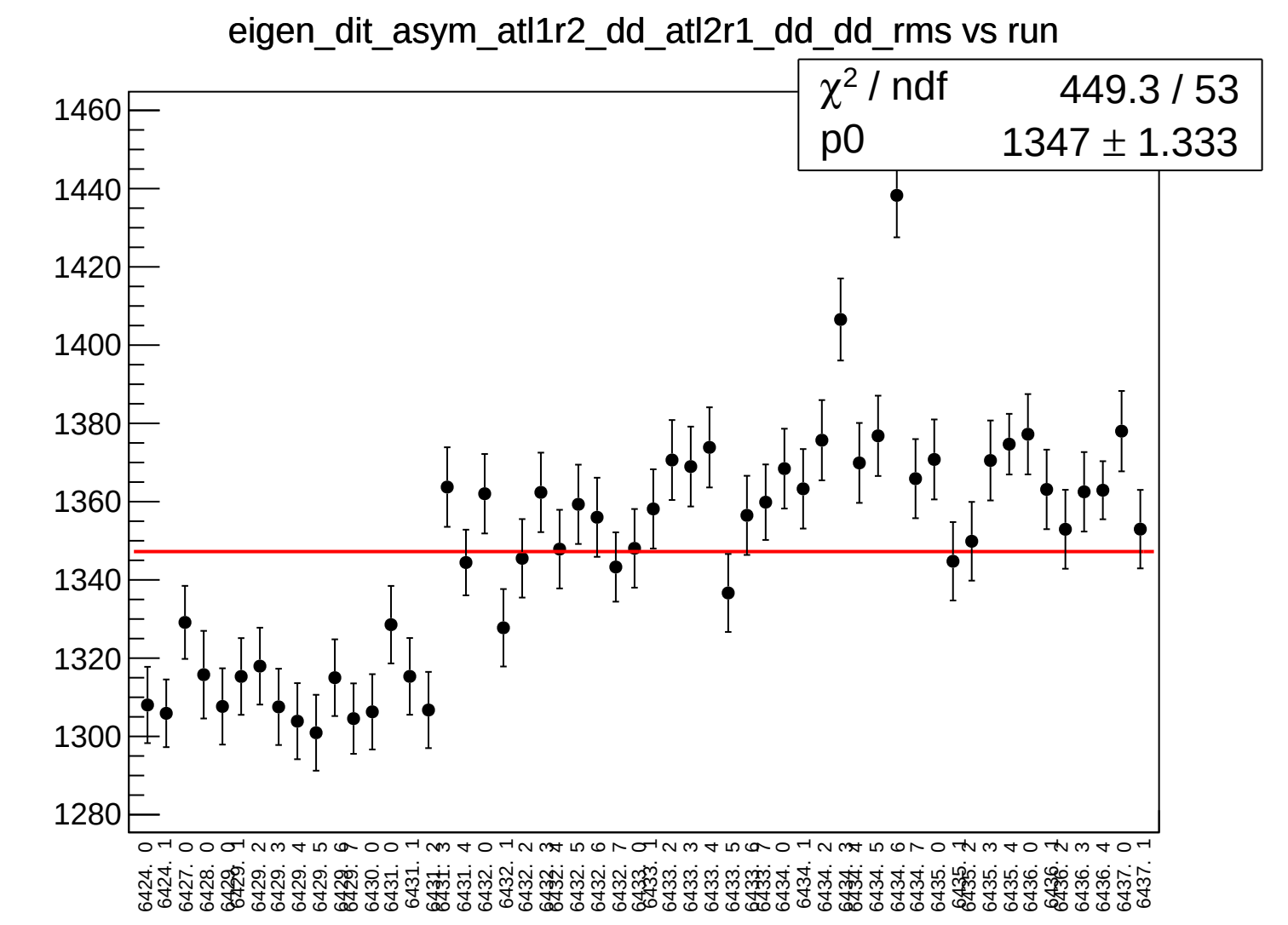

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

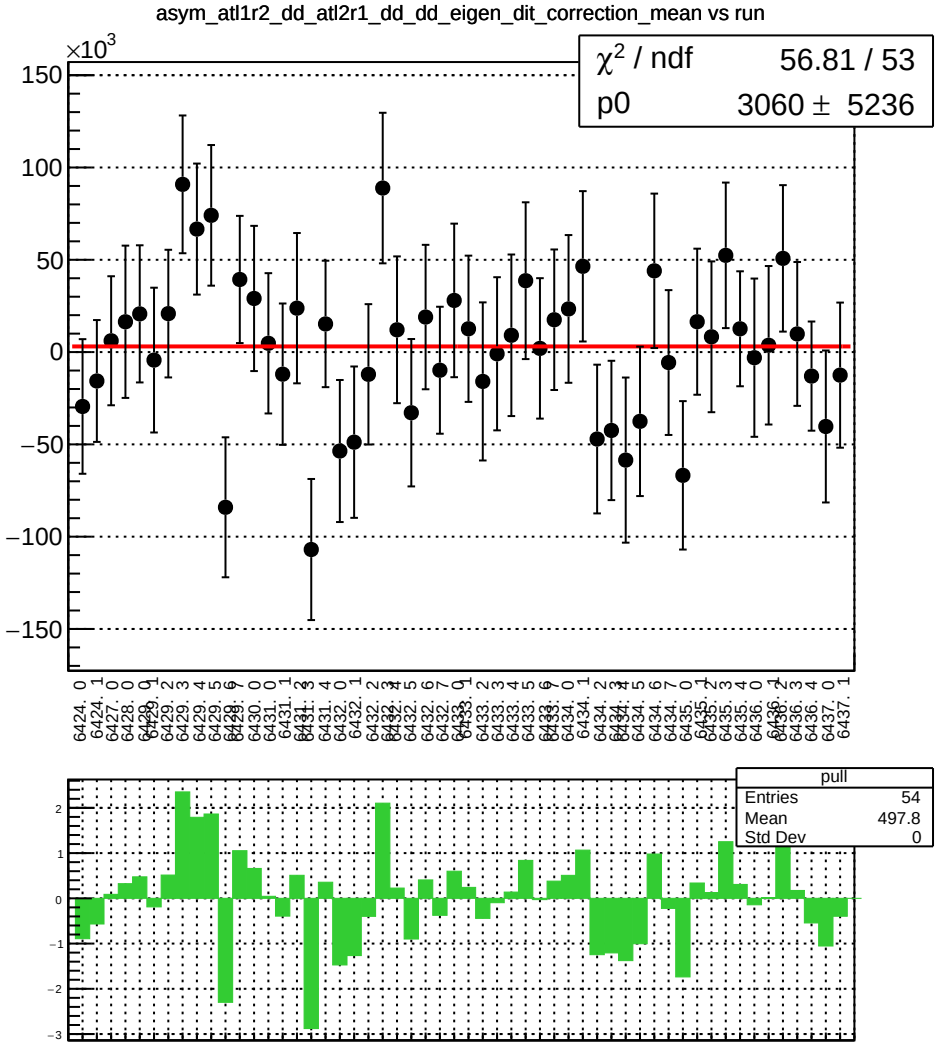

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0

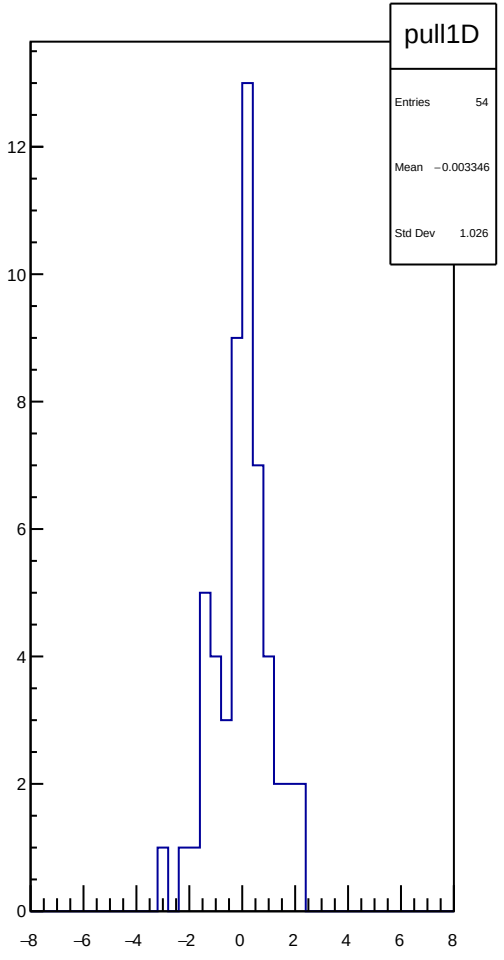

pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

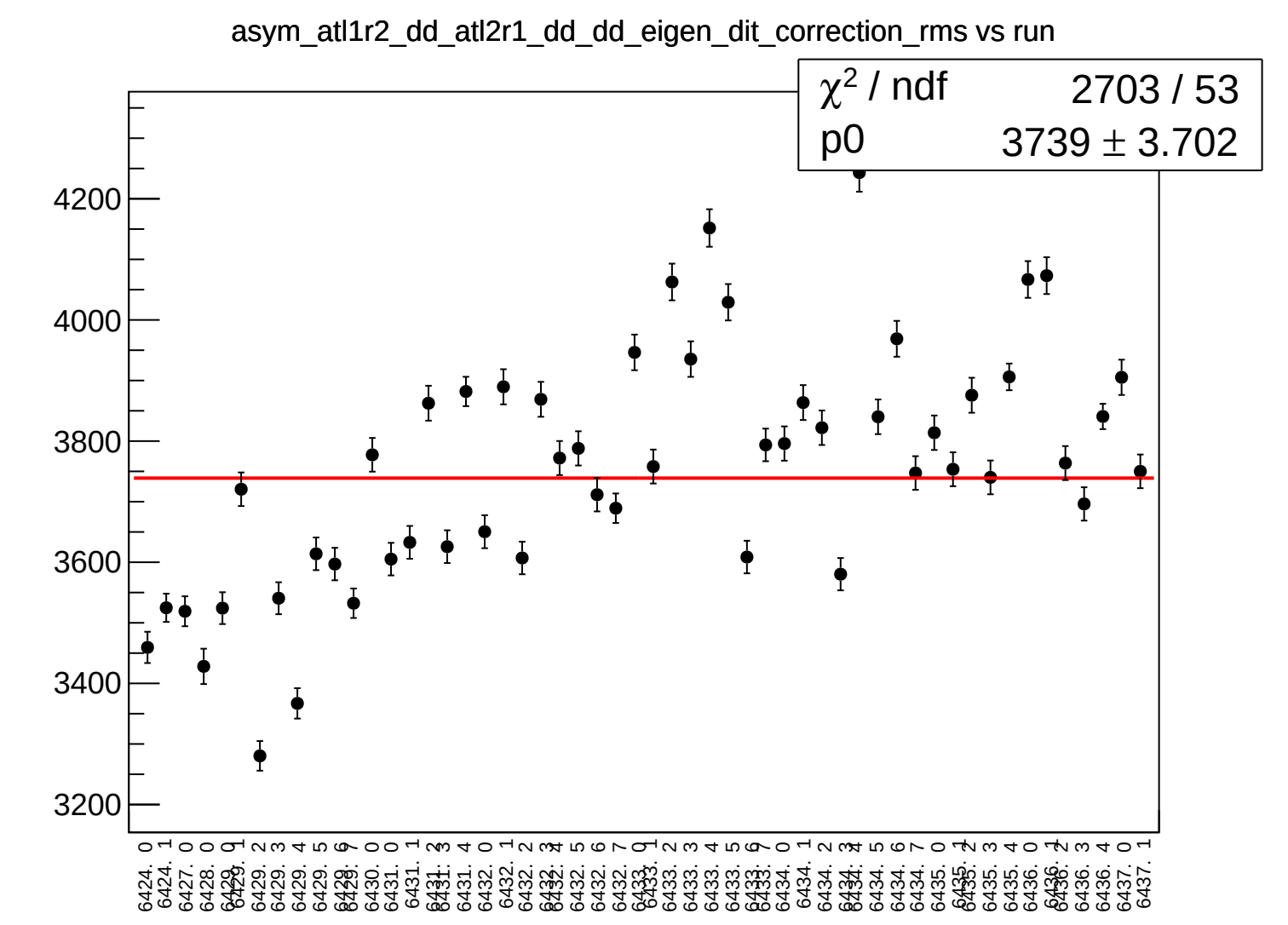

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

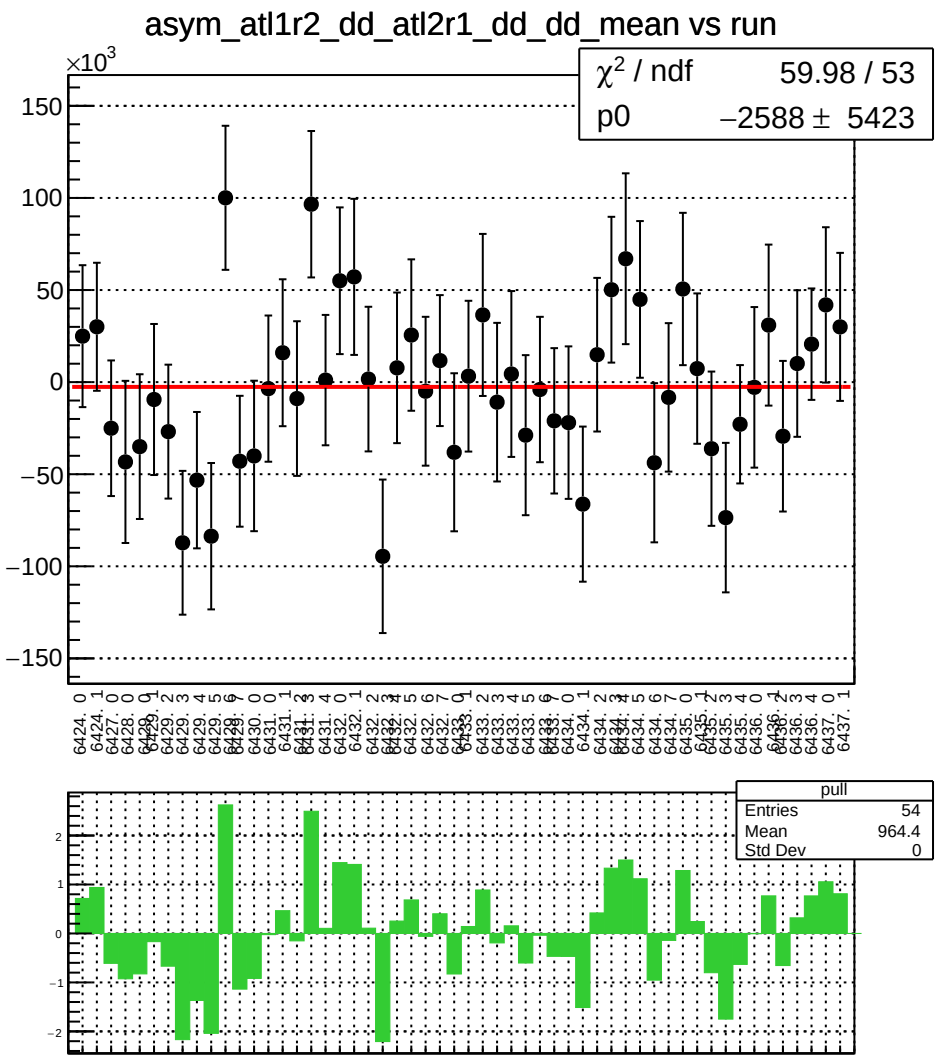

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 57.77 / 53
p0 644.5 ± 1885
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −309.9
Std Dev 0
pull1D
Entries 54
Mean −0.00752
Std Dev 1.034

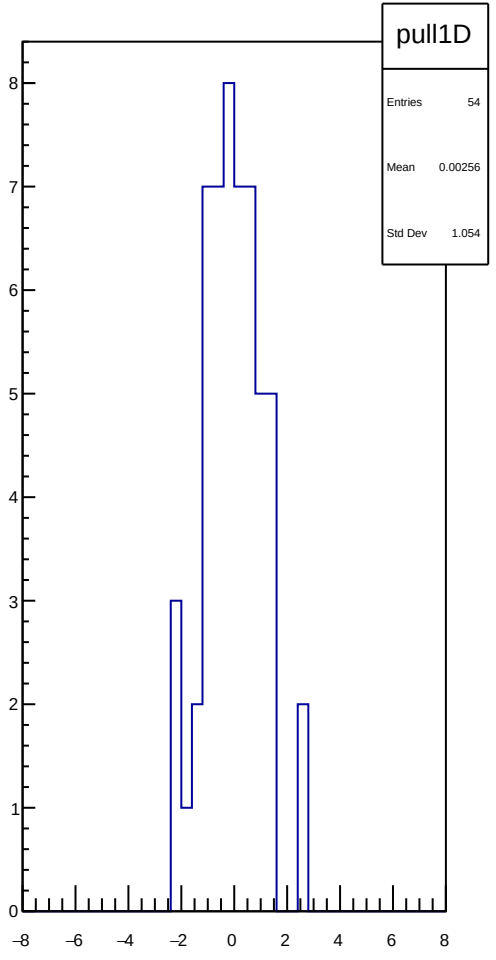

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 449.3 / 53
p0 1347 ± 1.333
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

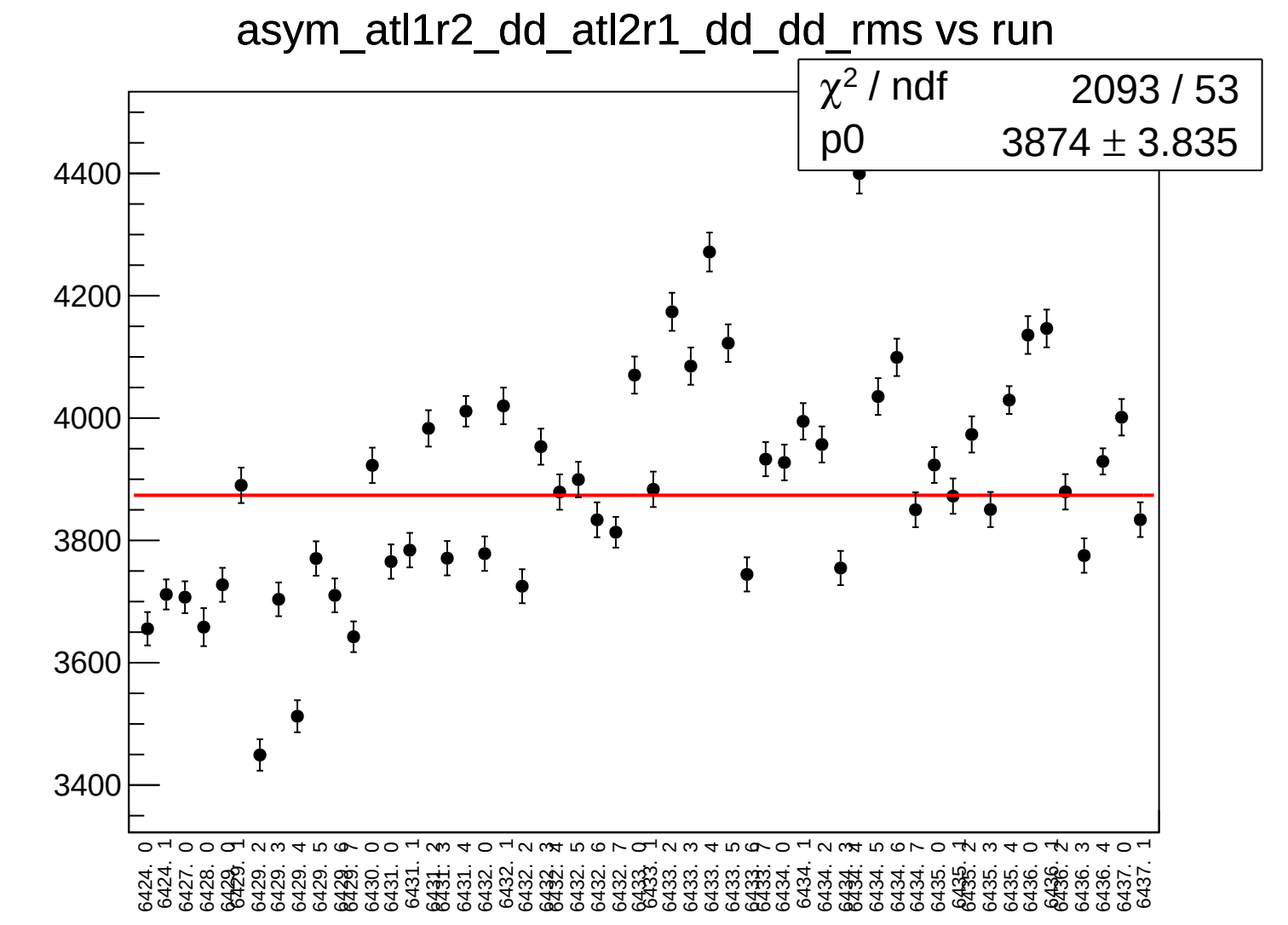

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.81 / 53
p0 3060 ± 5236
pull
Entries 54
Mean 497.8
Std Dev 0

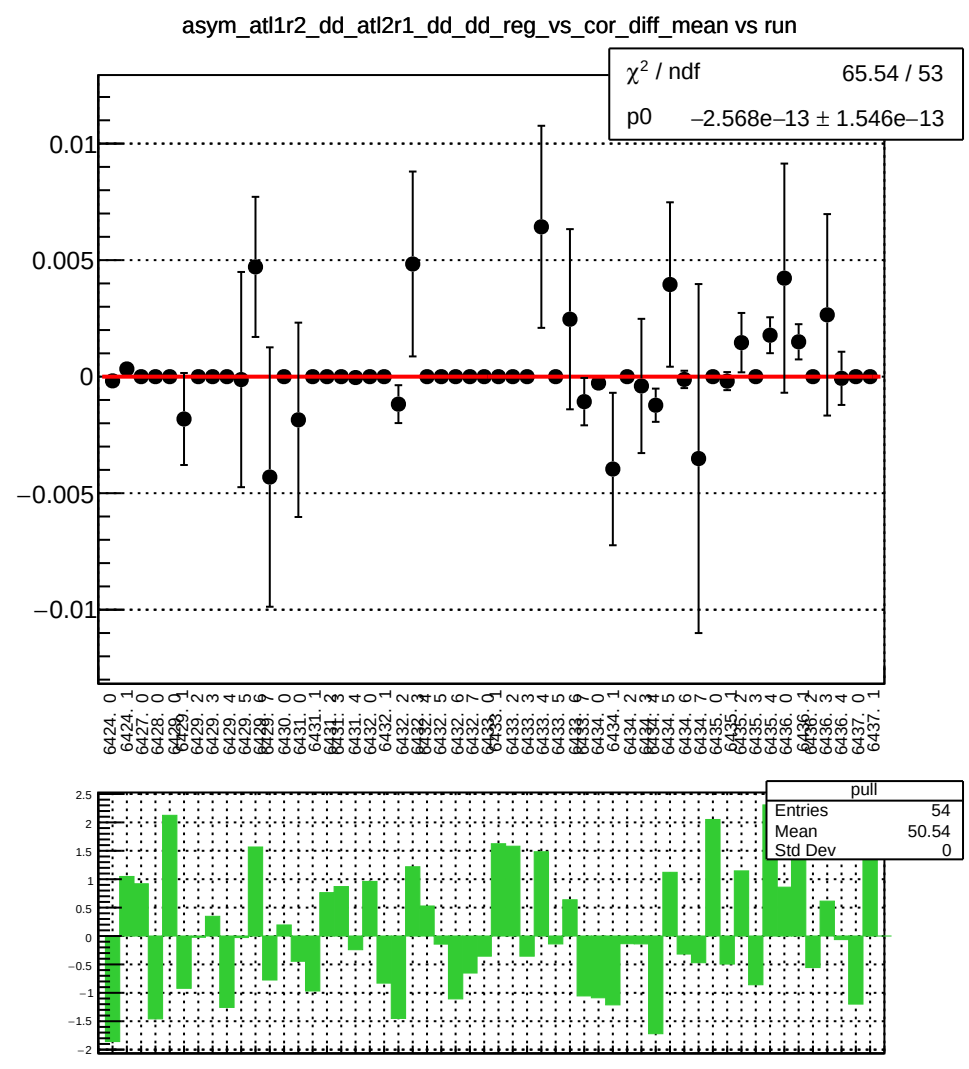

pull1D
Entries 54
Mean −0.003346
Std Dev 1.026

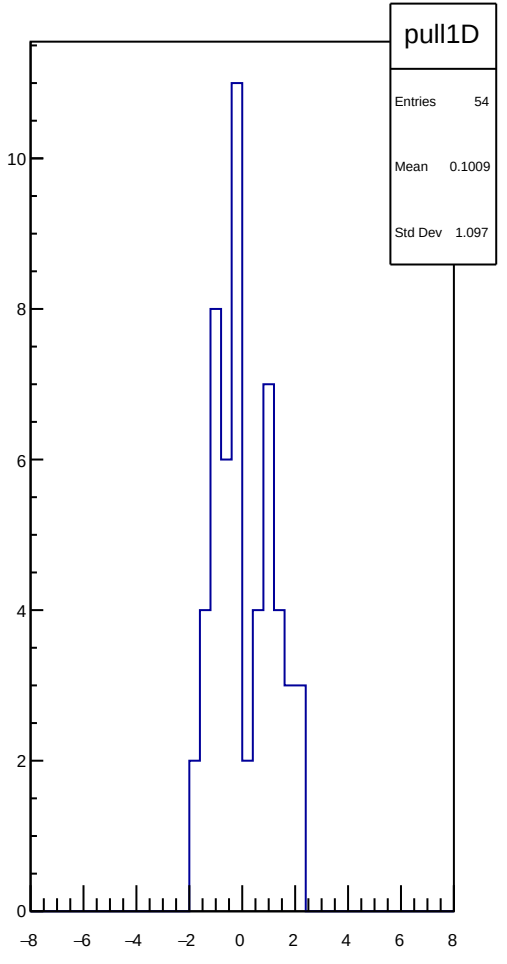

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2703 / 53
p0 3739 ± 3.702
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

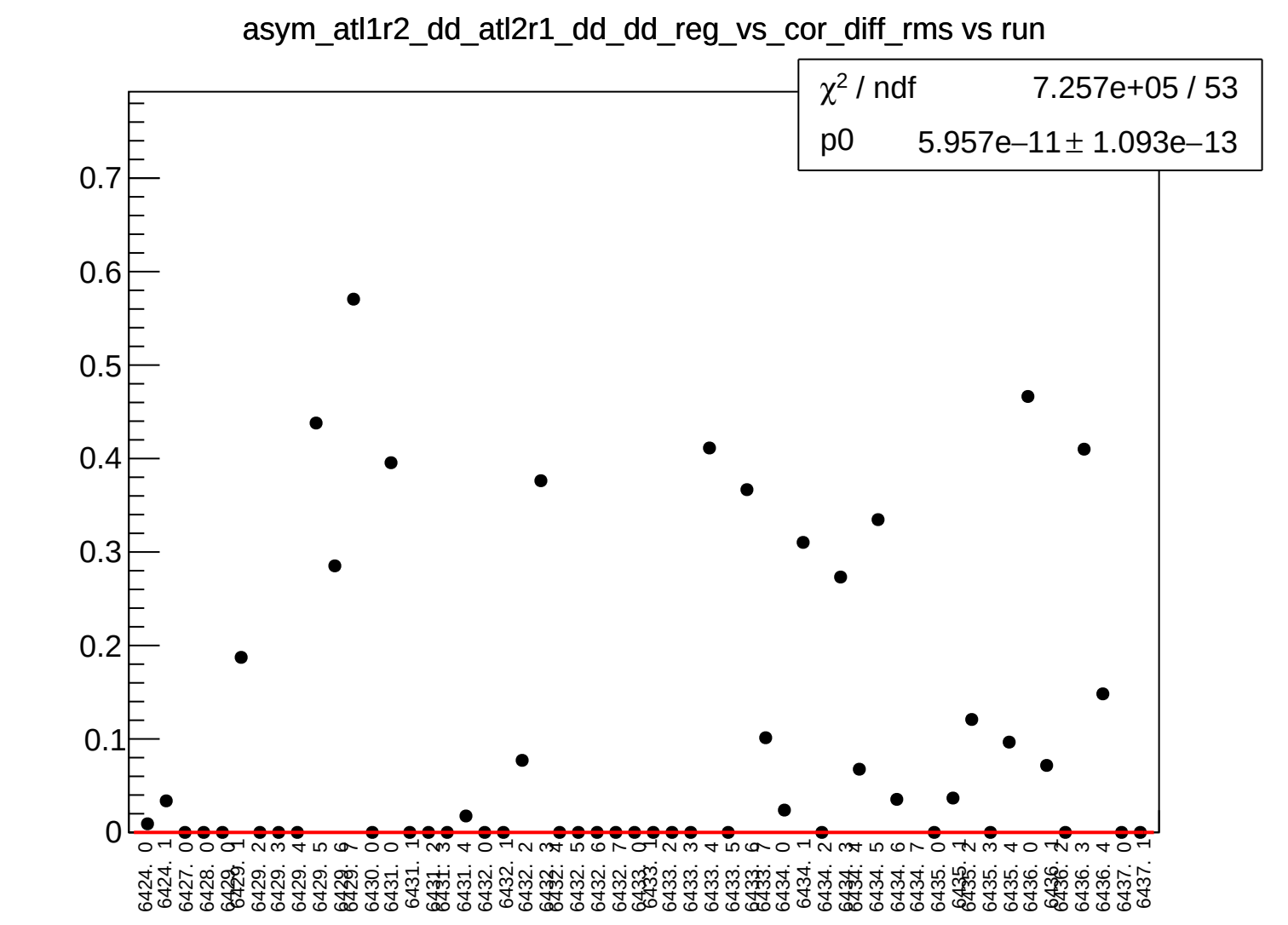

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 59.98 / 53
p0 −2588 ± 5423
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 964.4
Std Dev 0
2
1
0
−1
−2

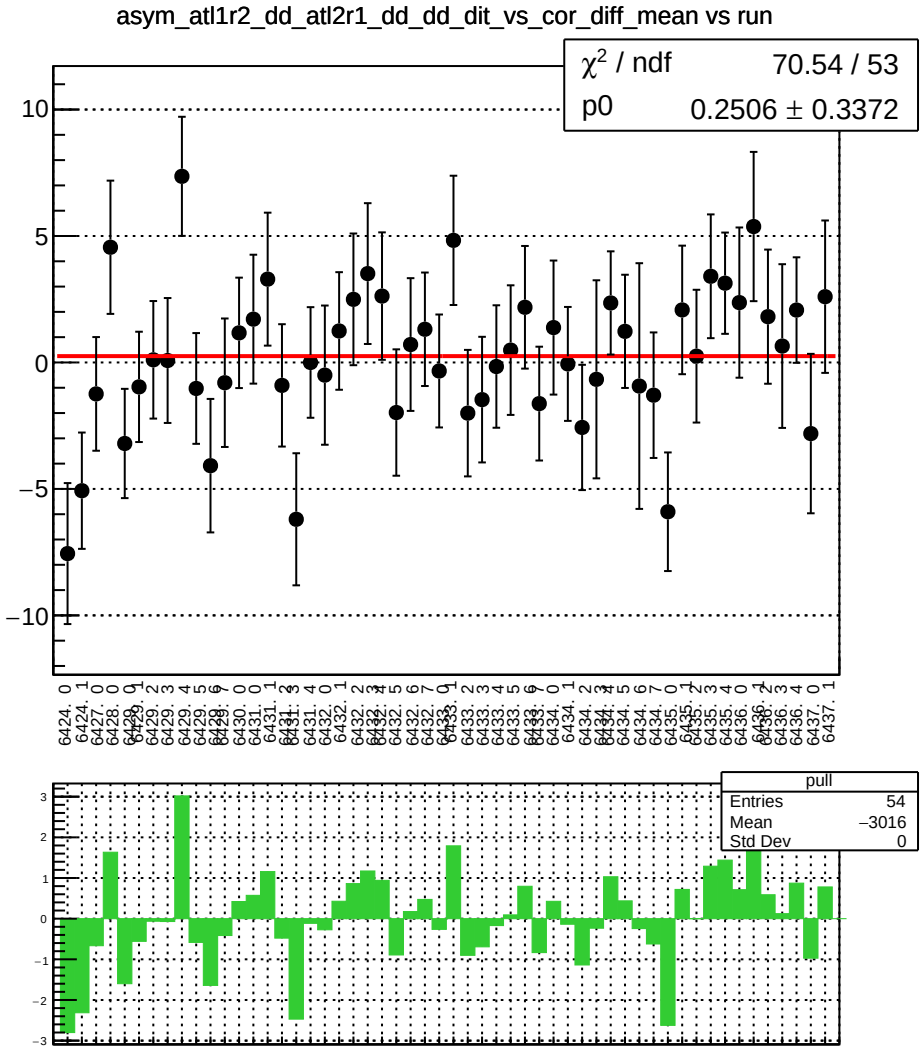

pull1D
Entries 54
Mean 0.00256
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

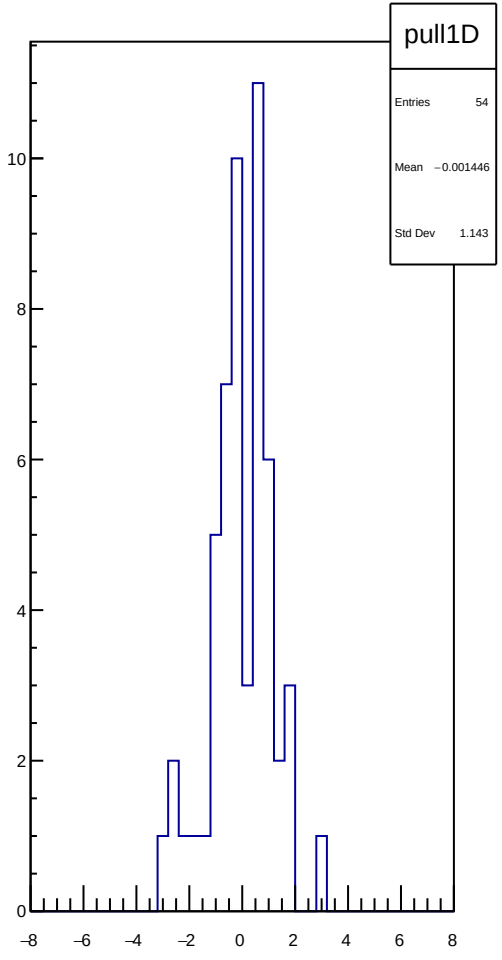

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2093 / 53
p0 3874 ± 3.835
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

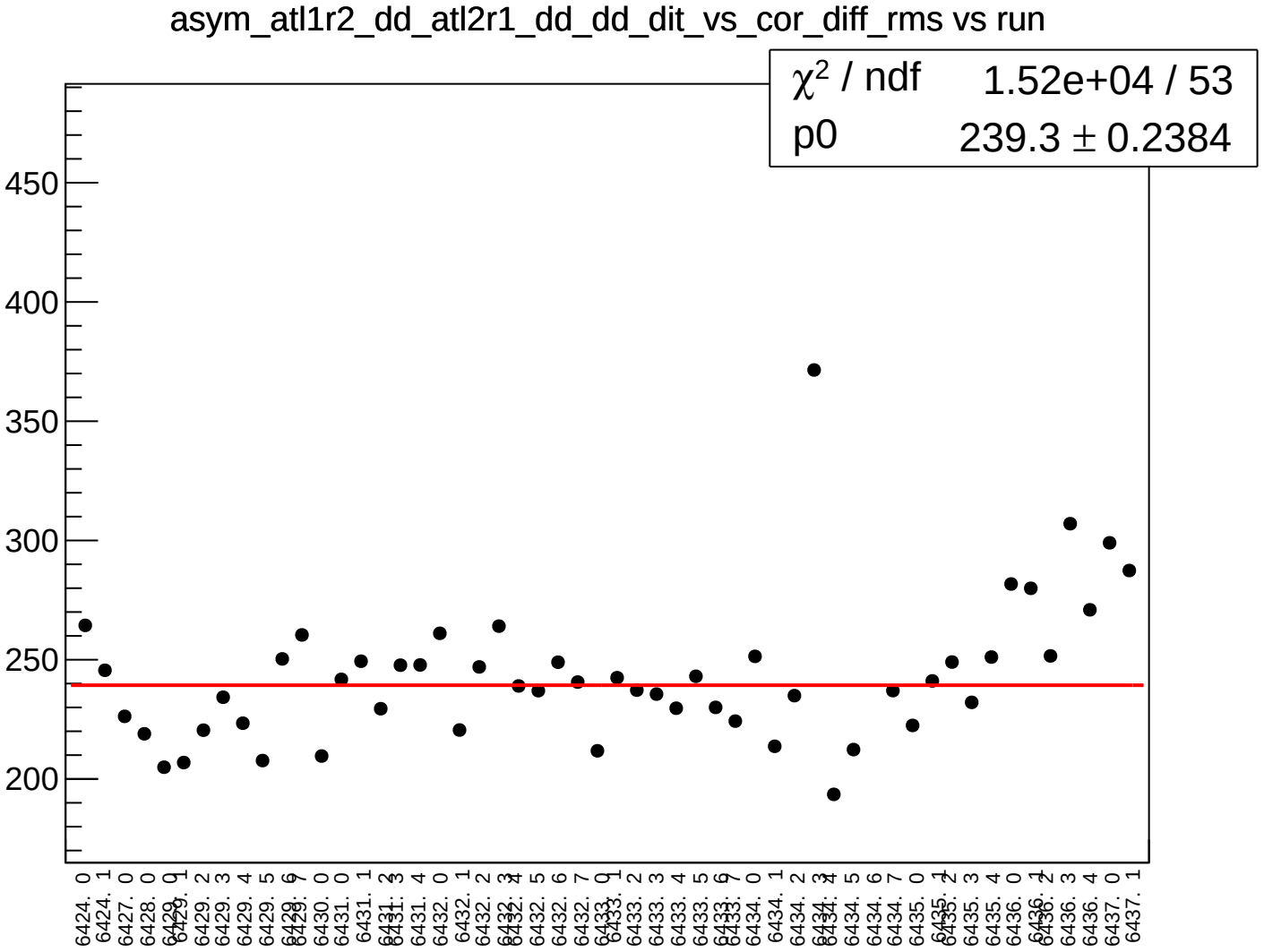

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.54 / 53
p0 −2.568e−13 ± 1.546e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 54
Mean 50.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

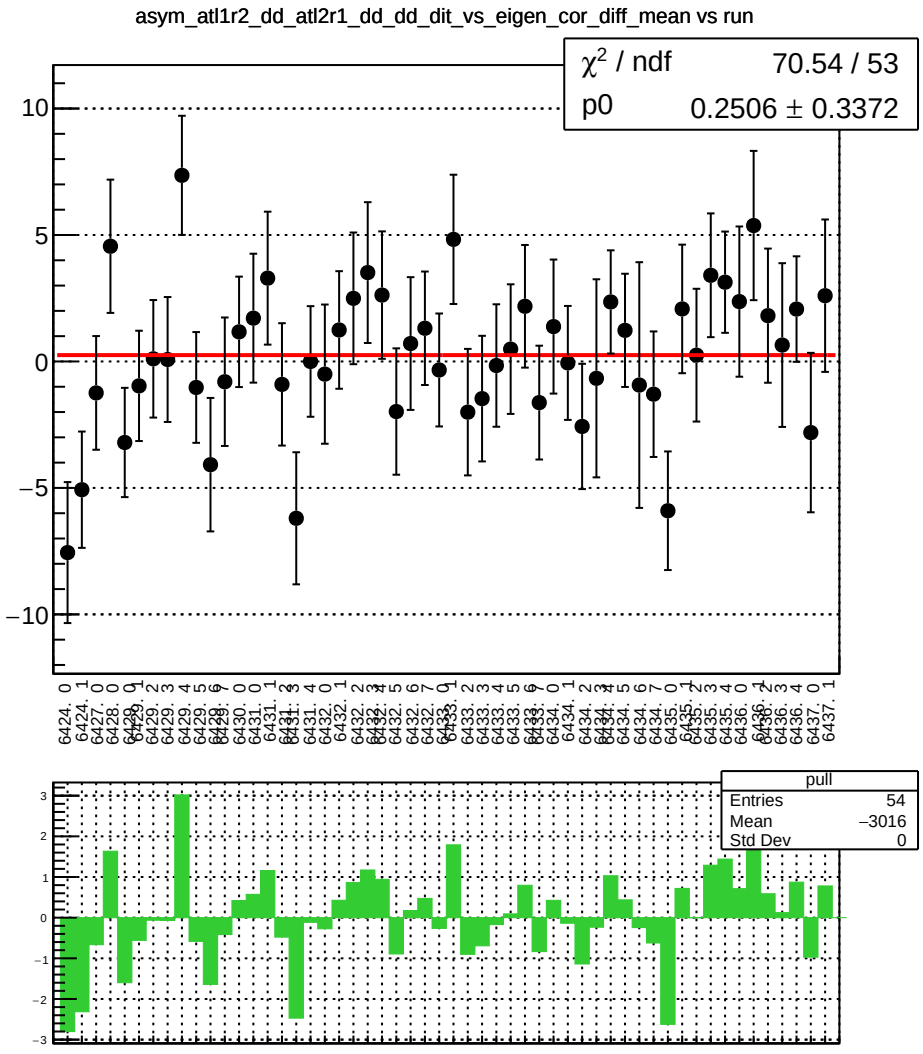

pull1D
Entries 54
Mean 0.1009
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

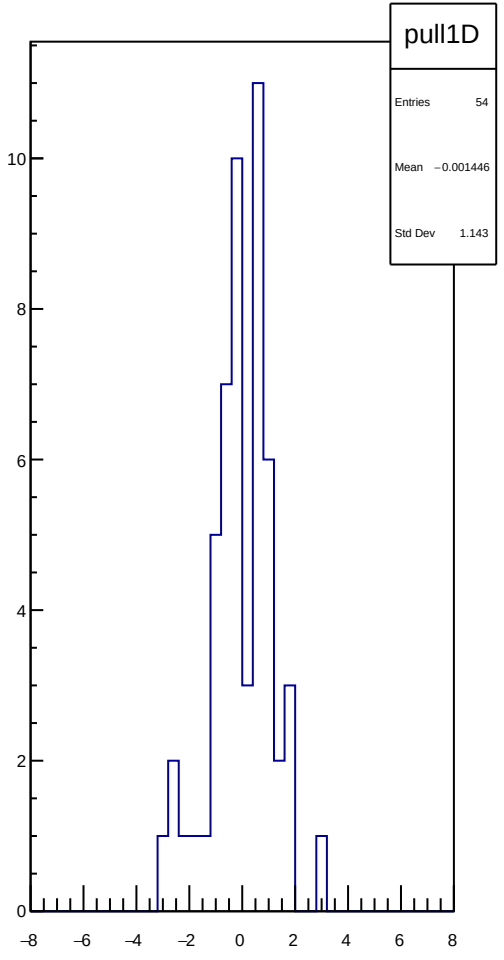

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.257e+05 / 53
p0 5.957e−11 ± 1.093e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

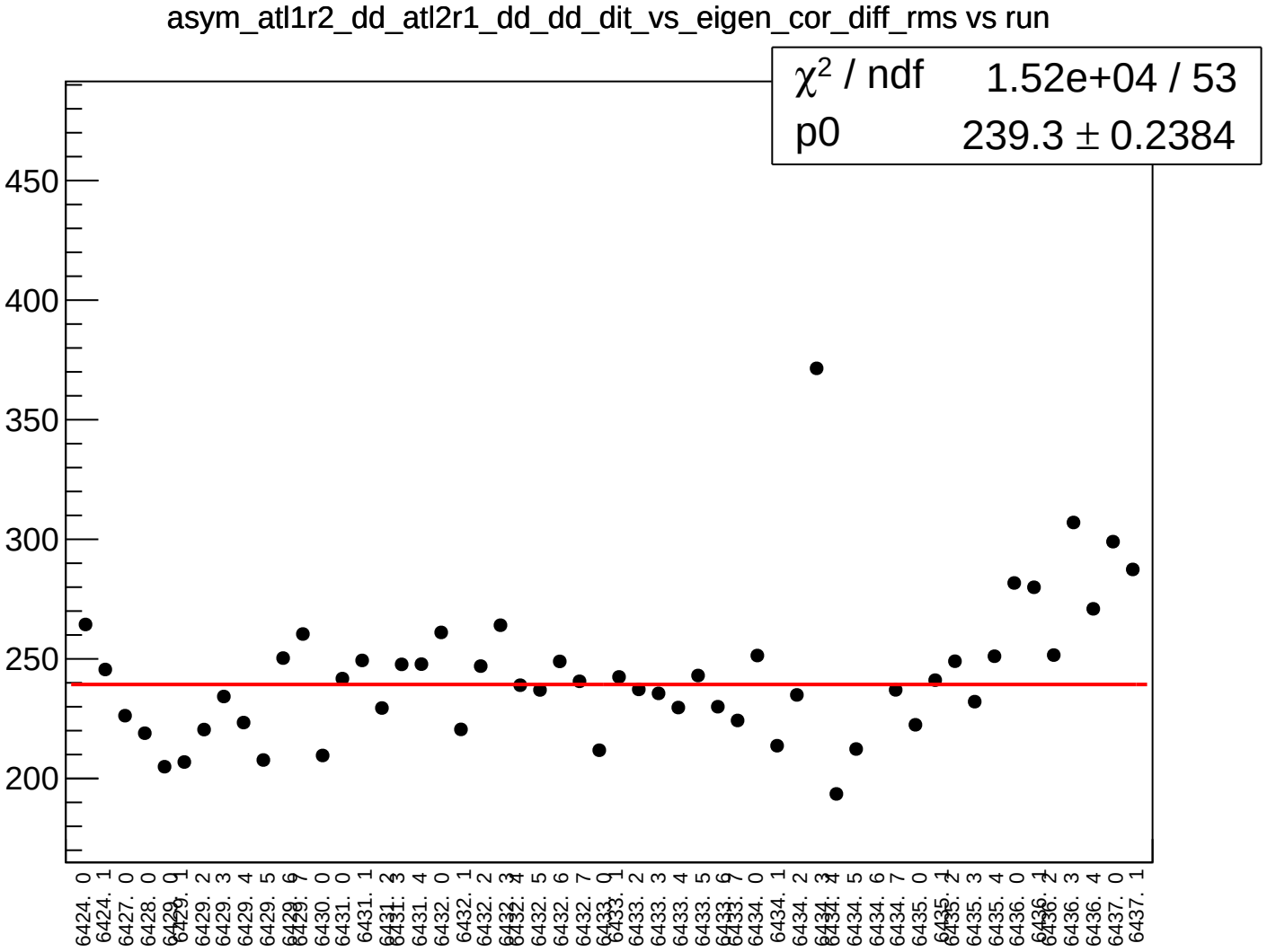

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0

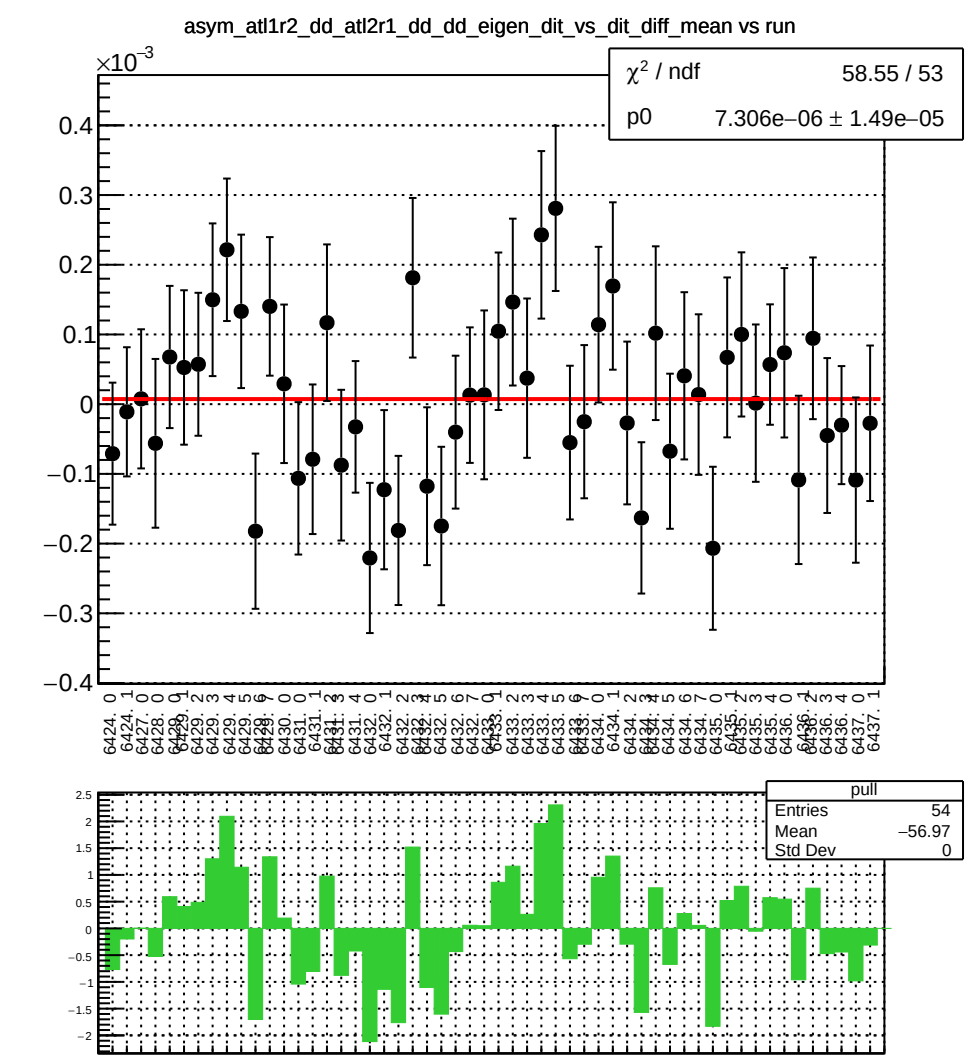

pull1D
Entries 54
Mean −0.001446
Std Dev 1.143

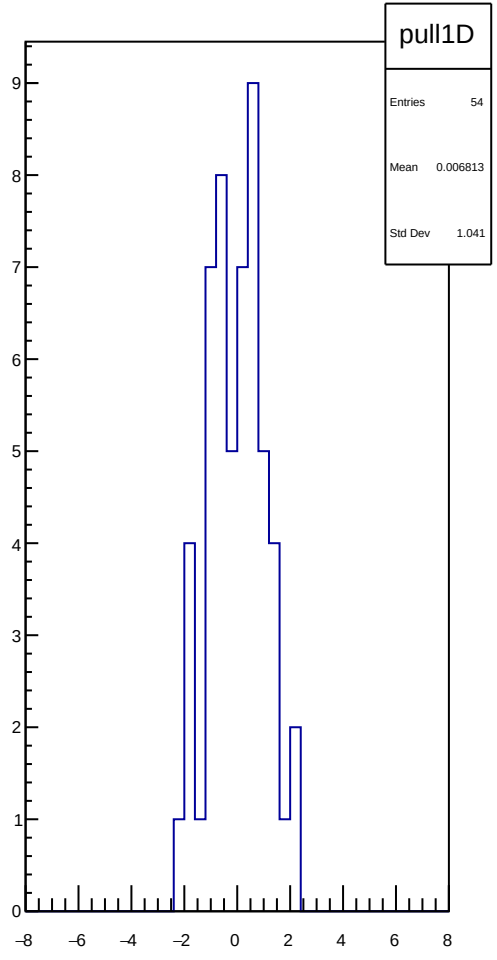

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

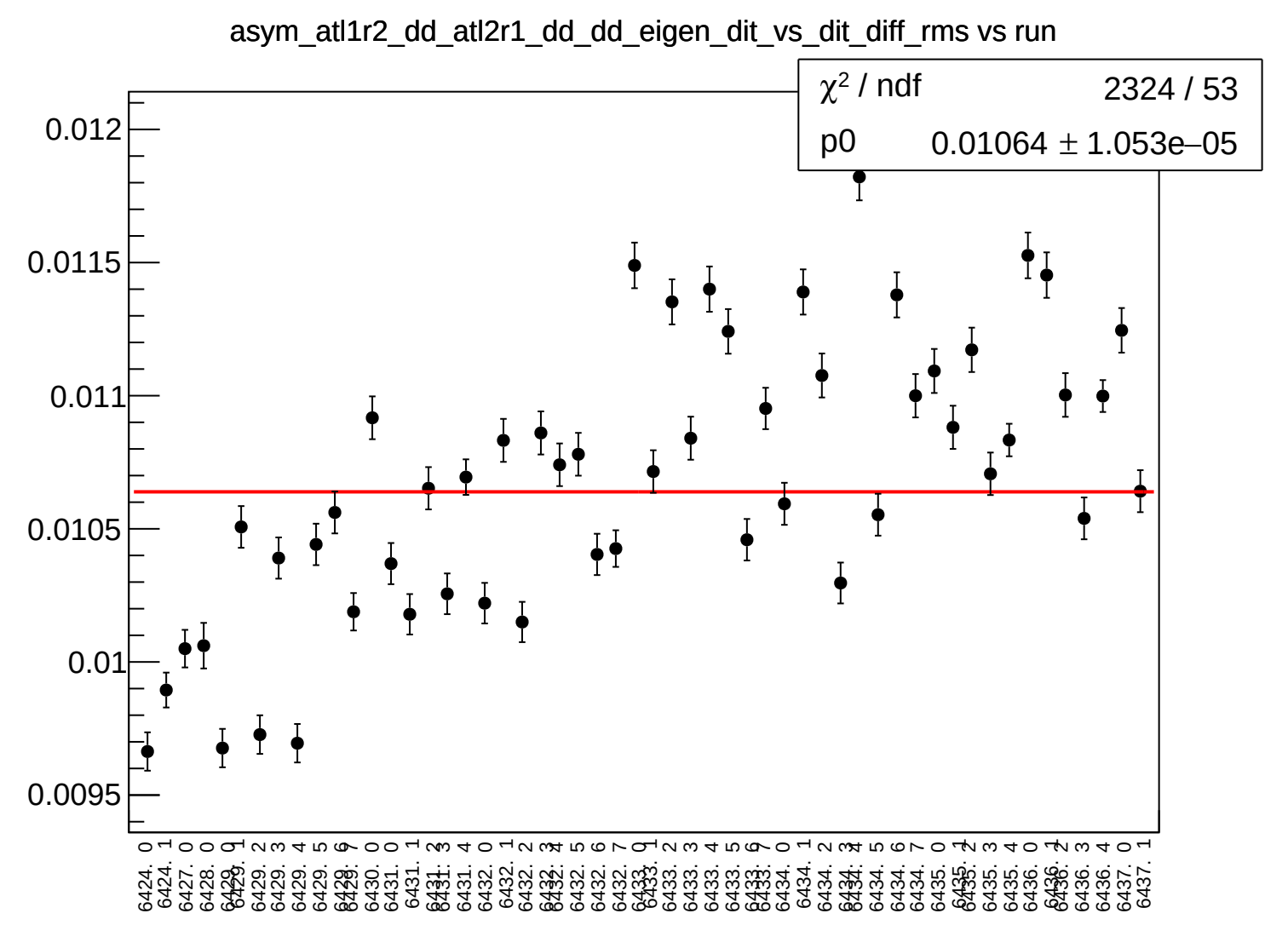

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3016
Std Dev 0


pull1D
Entries 54
Mean −0.001446
Std Dev 1.143


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 58.55 / 53
p0 7.306e−06 ± 1.49e−05
pull
Entries 54
Mean −56.97
Std Dev 0


pull1D
Entries 54
Mean 0.006813
Std Dev 1.041


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2324 / 53
p0 0.01064 ± 1.053e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
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6434. 2
6434. 5
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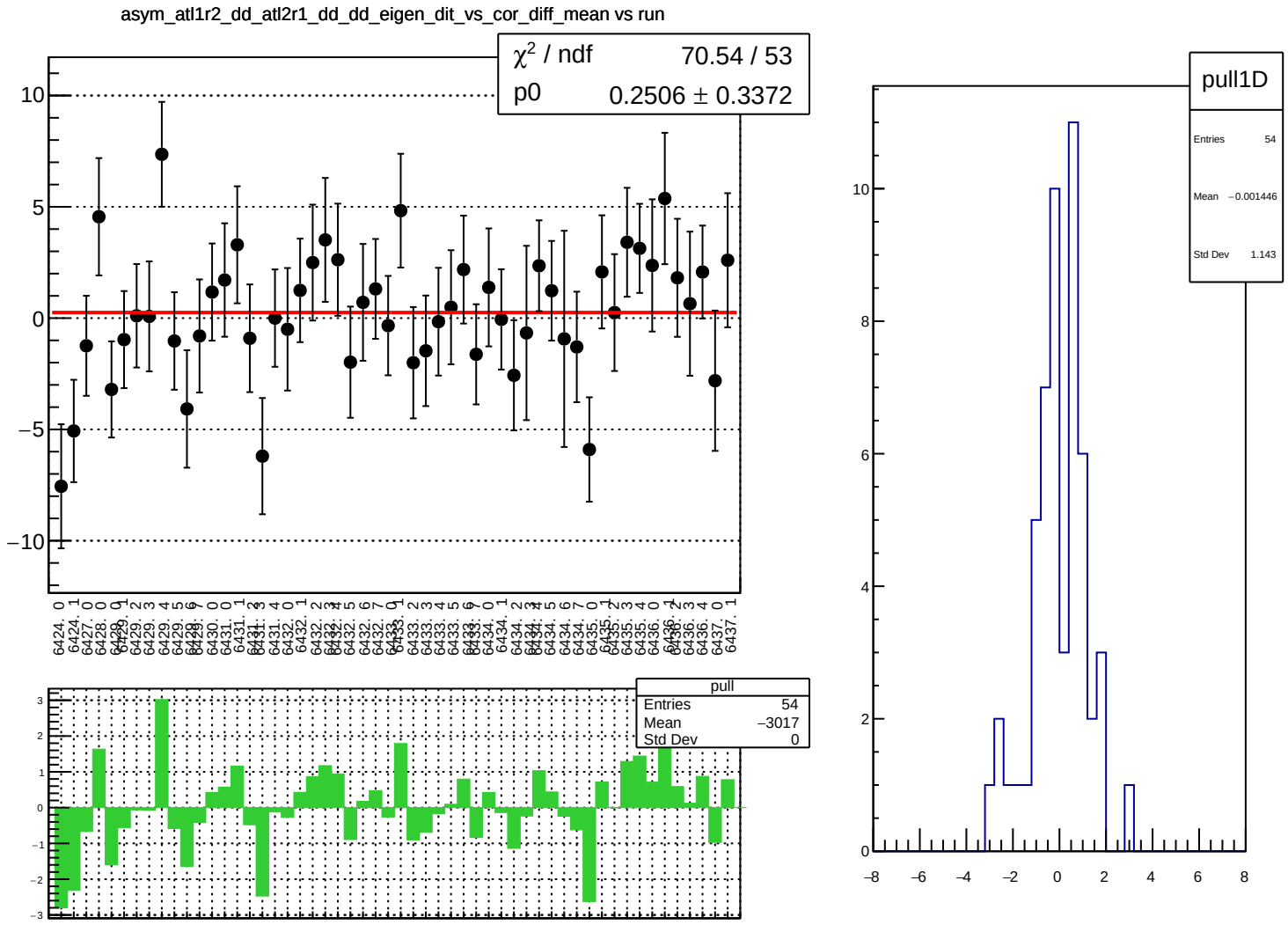
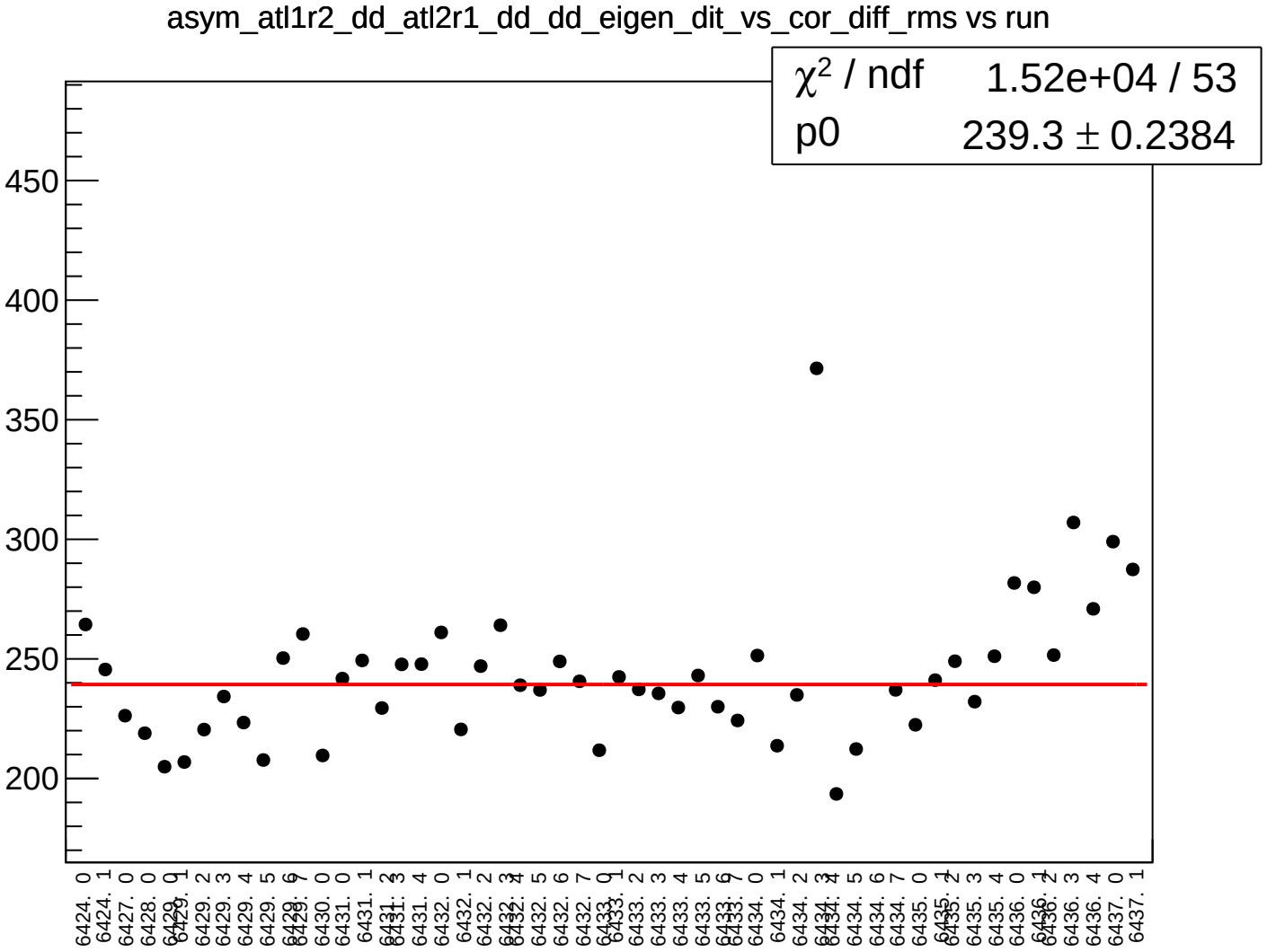
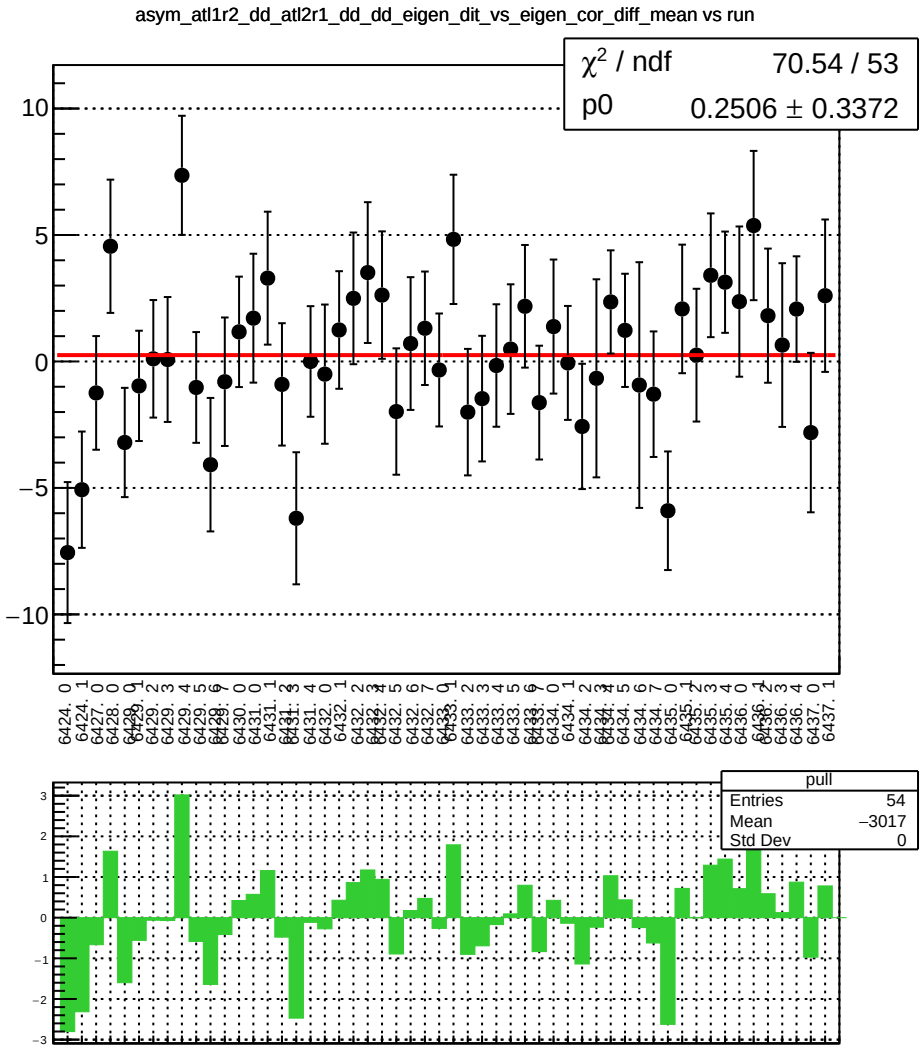
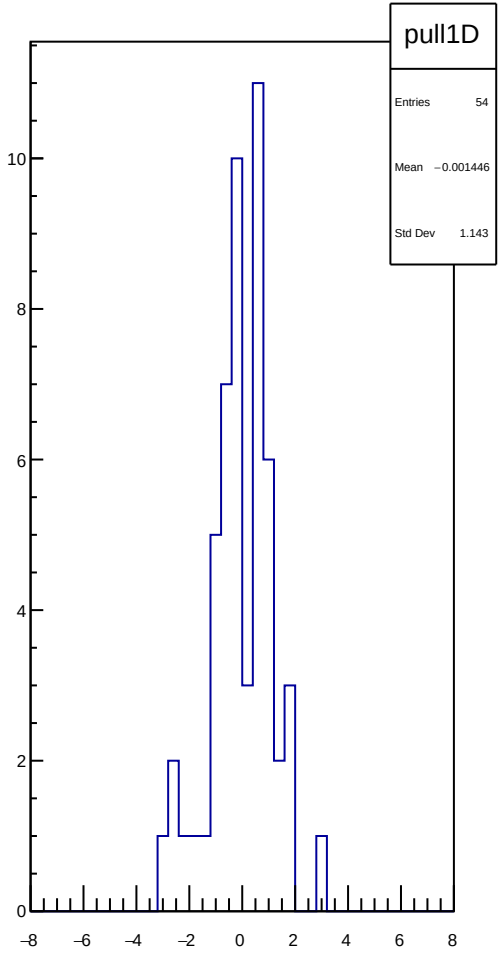
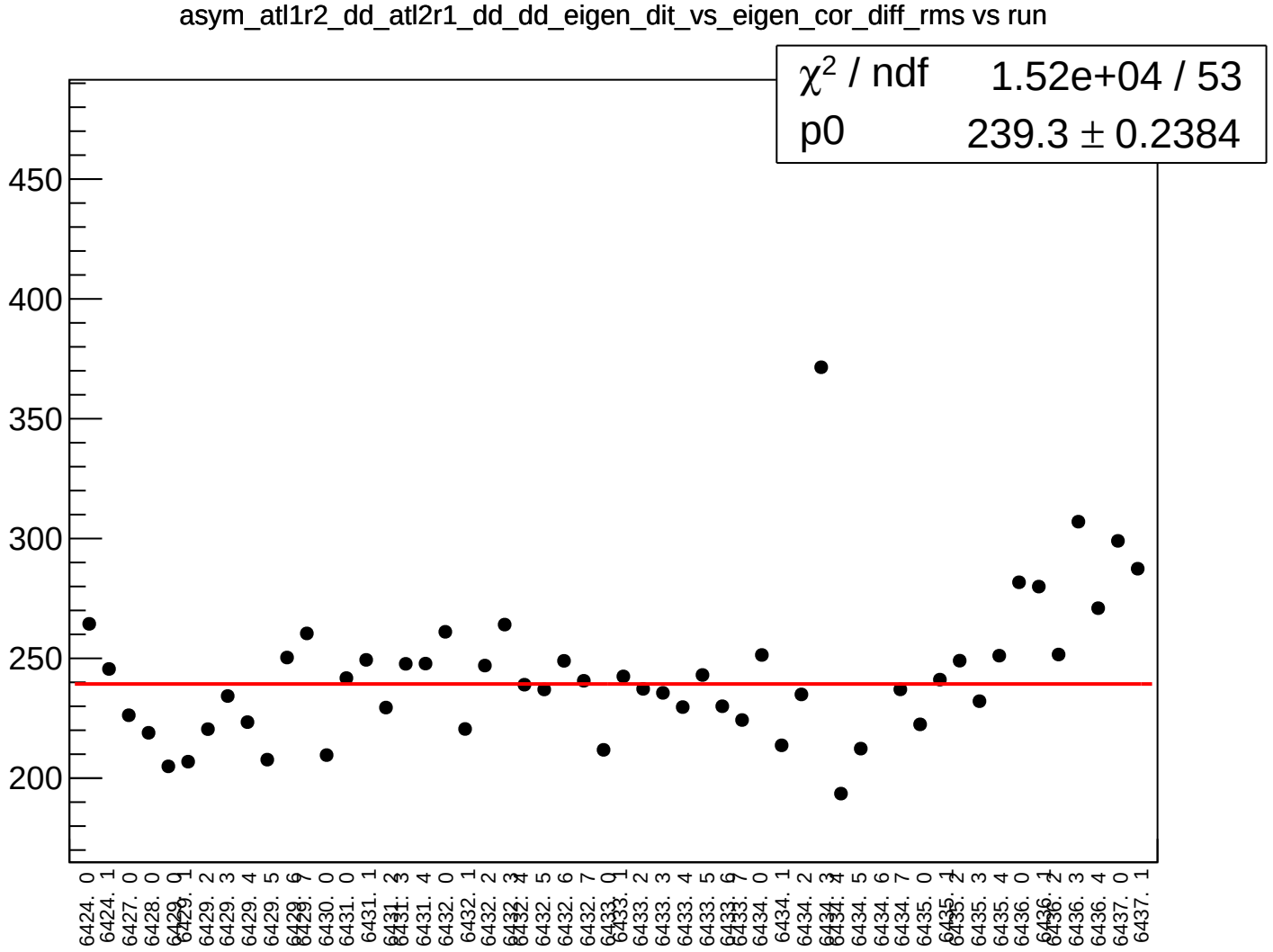
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0
pull1D
Entries 54
Mean −0.001446
Std Dev 1.143


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.54 / 53
p0 0.2506 ± 0.3372
pull
Entries 54
Mean −3017
Std Dev 0


pull1D
Entries 54
Mean −0.001446
Std Dev 1.143


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+04 / 53
p0 239.3 ± 0.2384
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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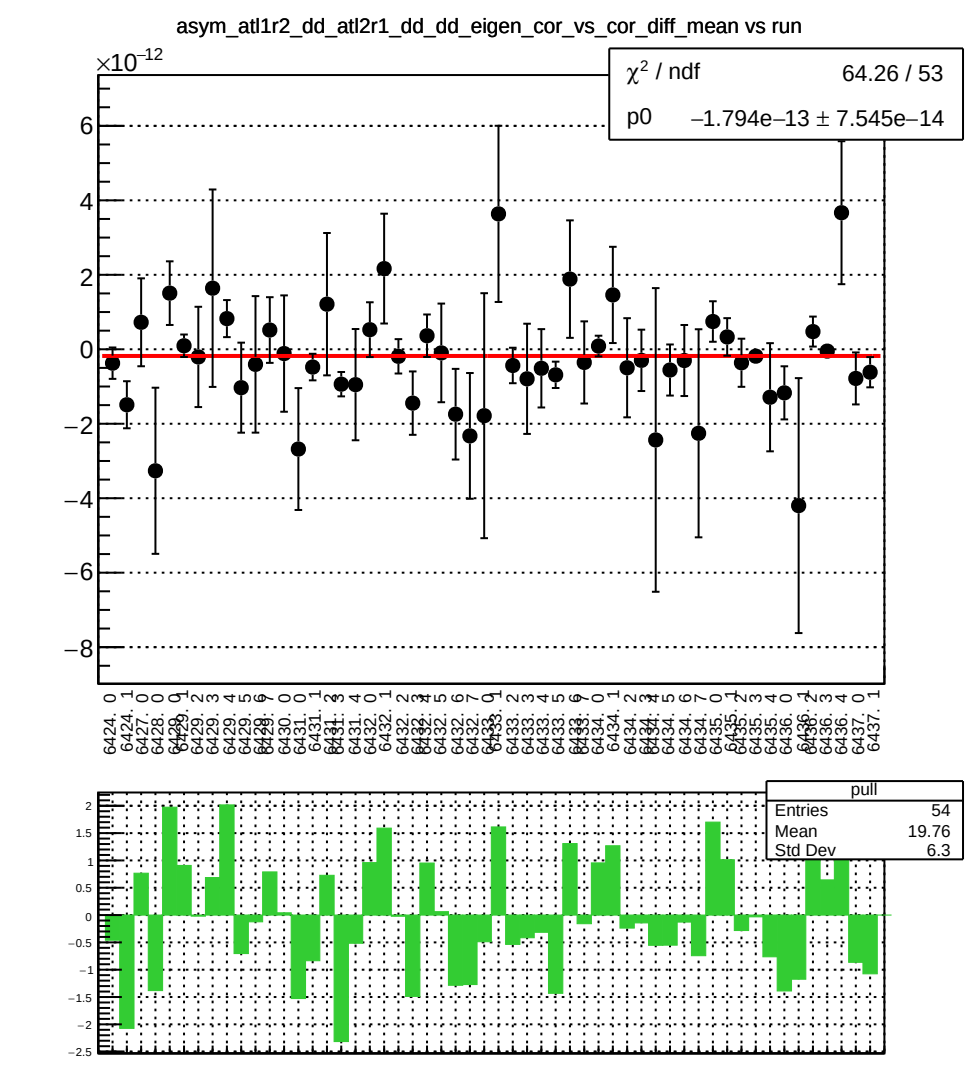
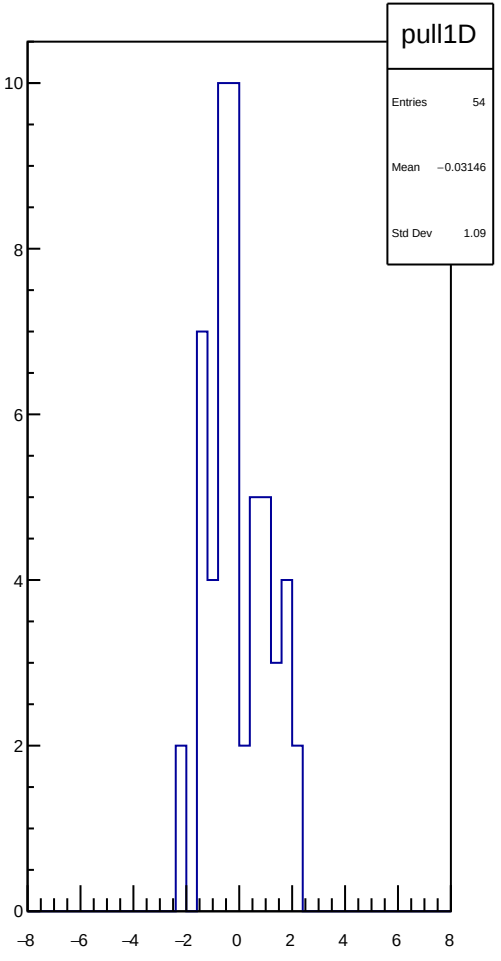
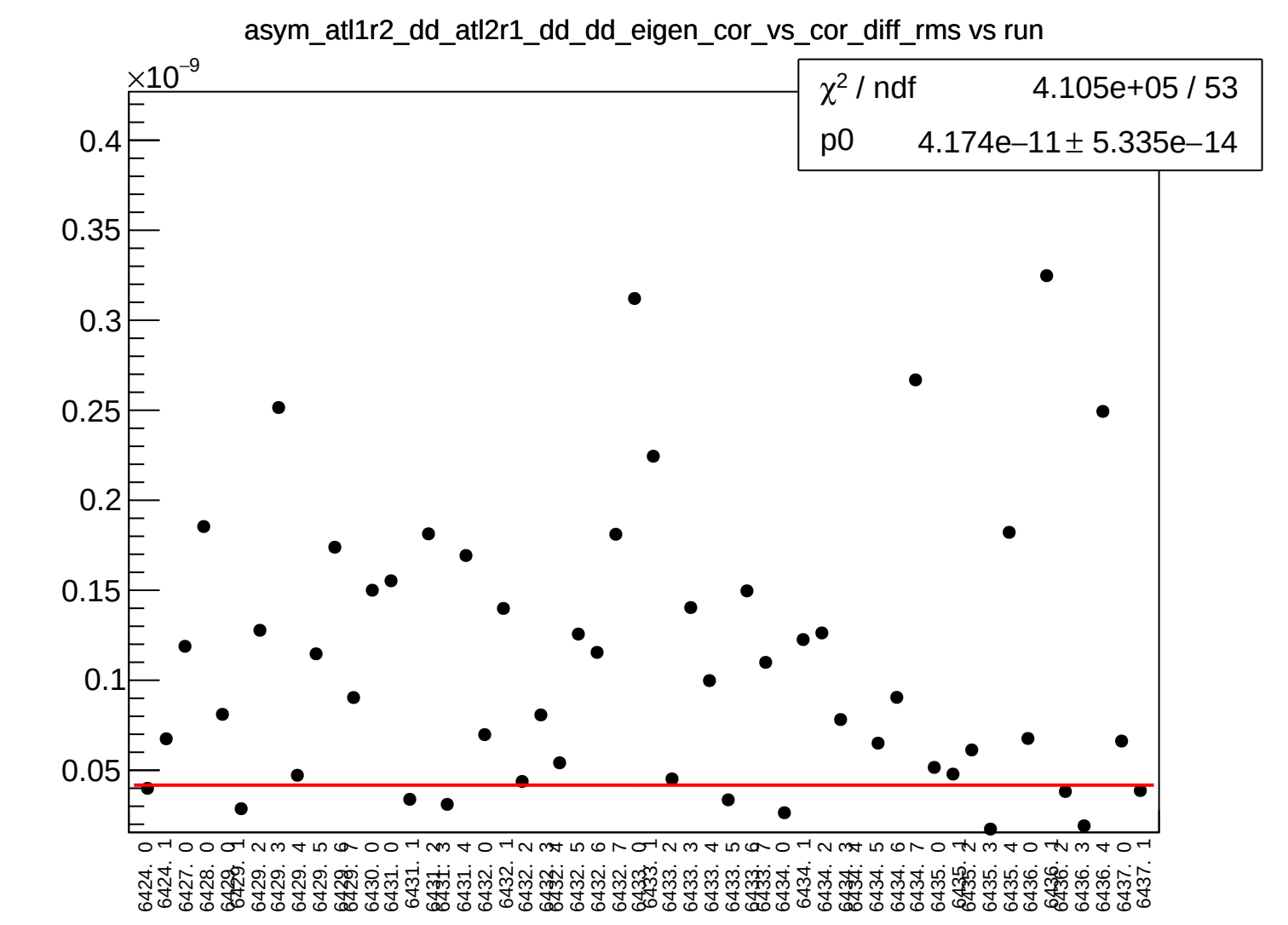
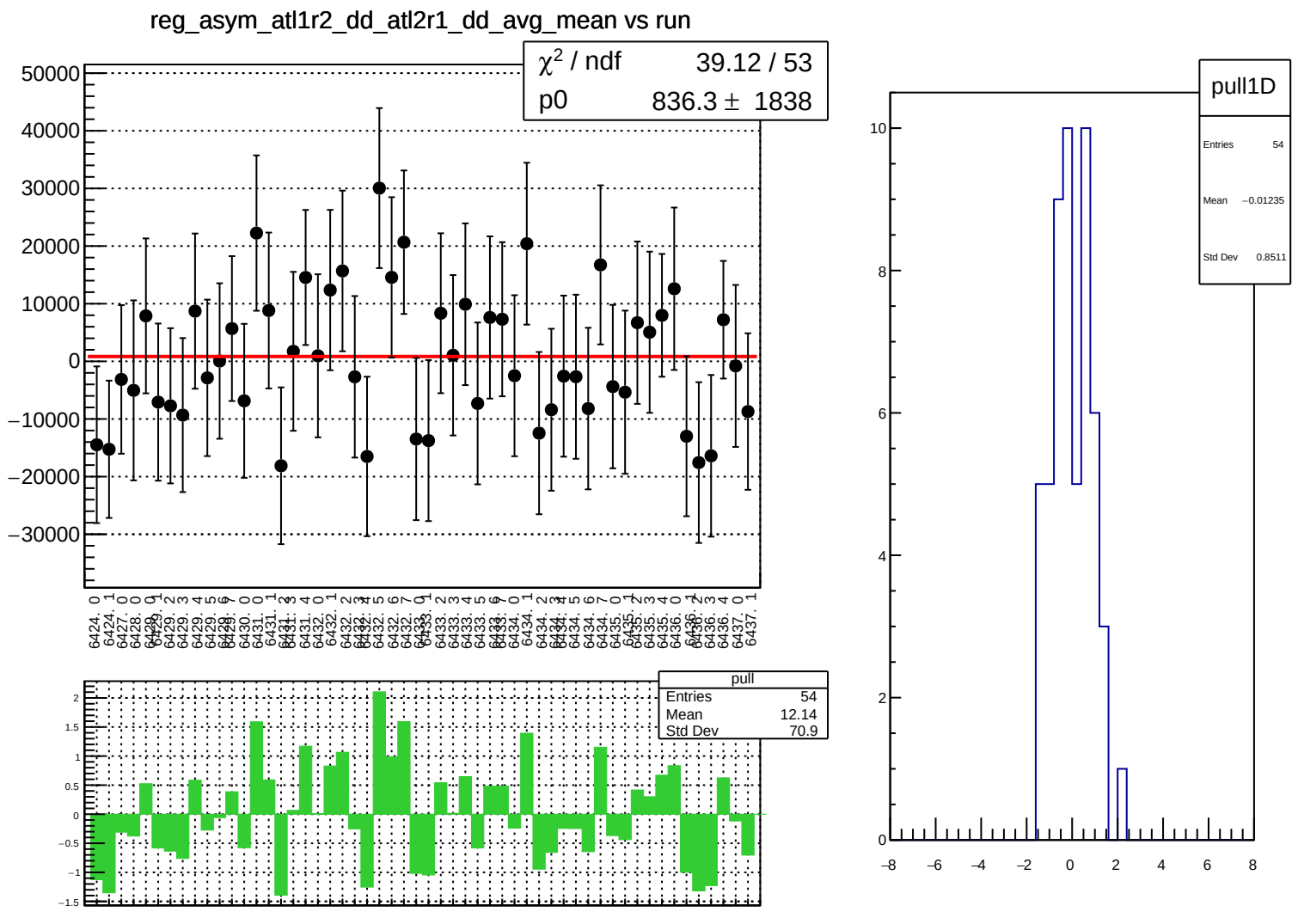
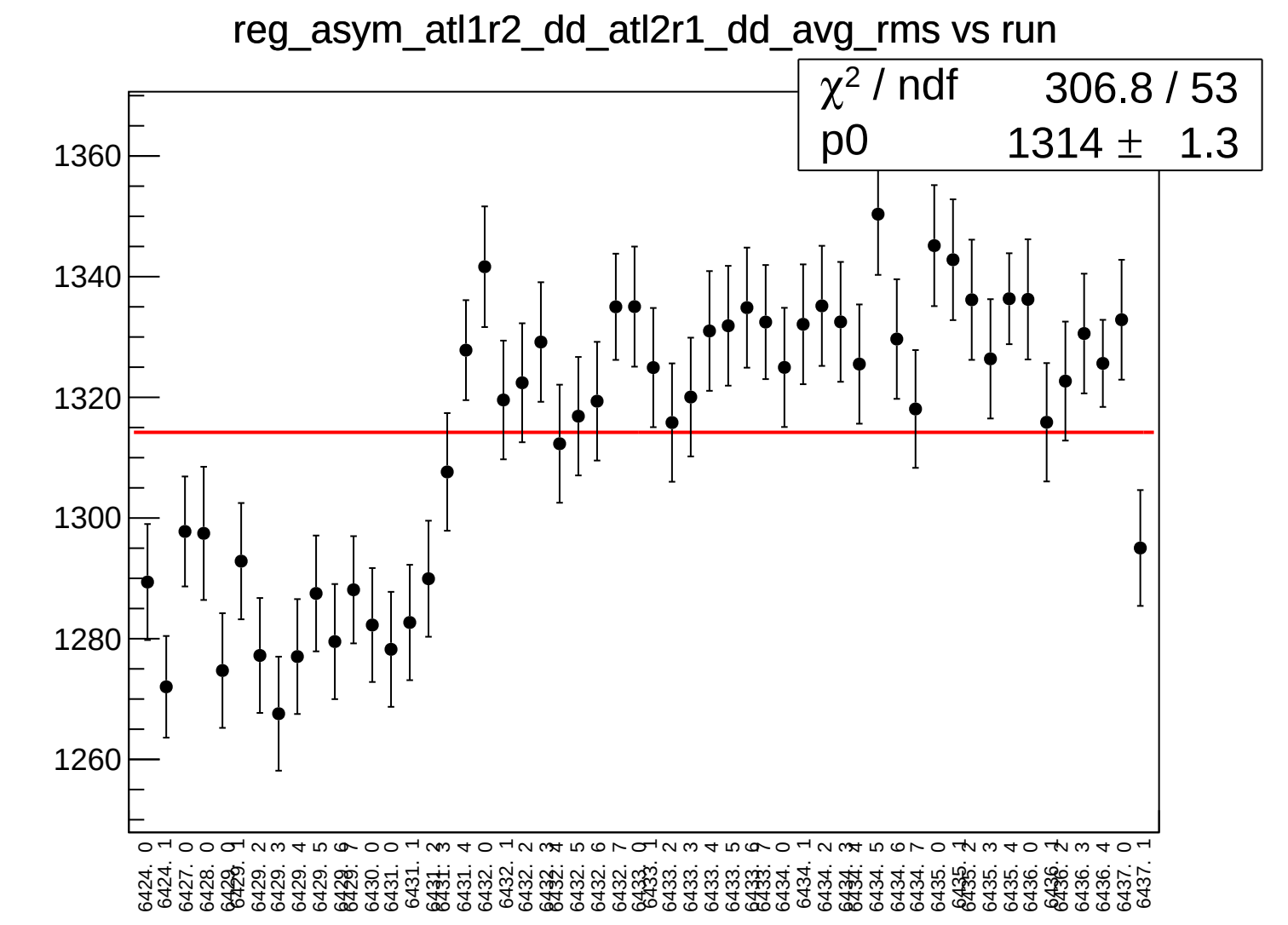
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

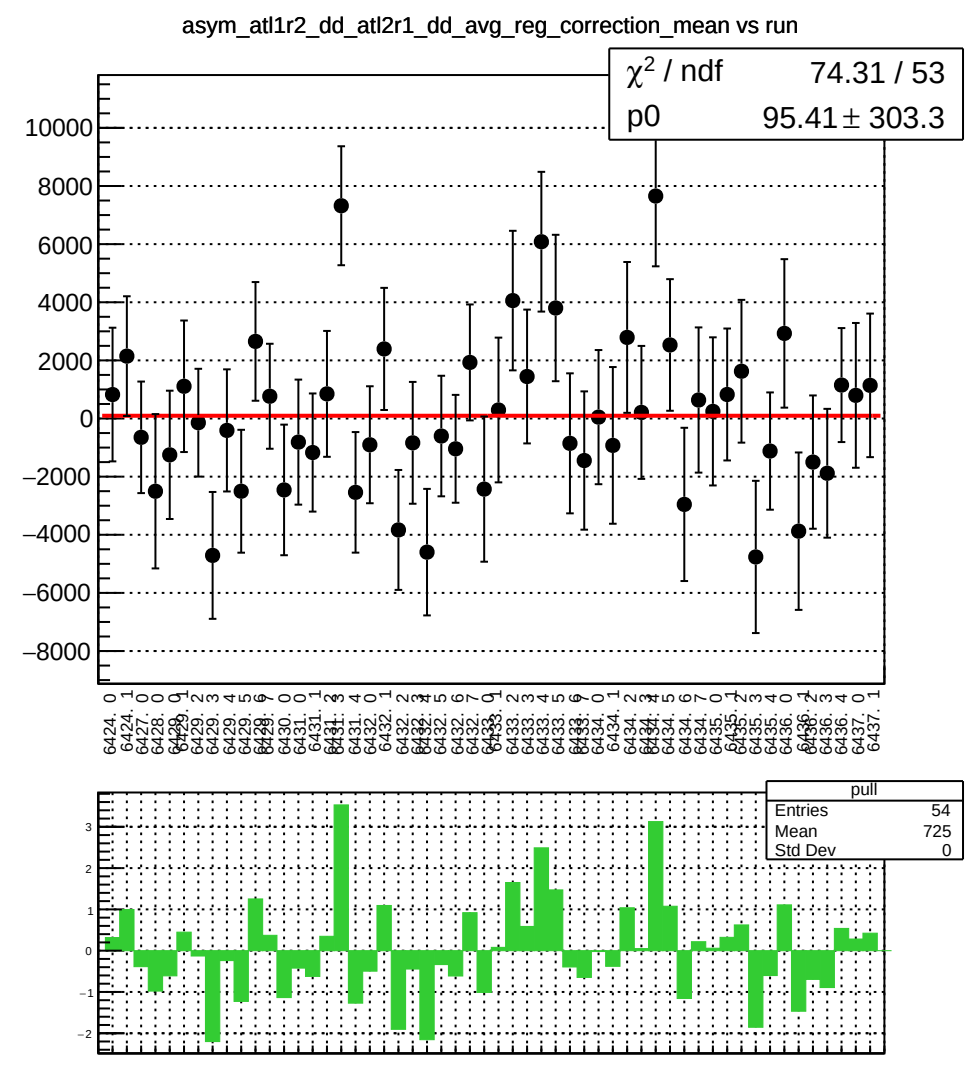

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 64.26 / 53
p0 −1.794e−13 ± 7.545e−14
pull
Entries 54
Mean 19.76
Std Dev 6.3

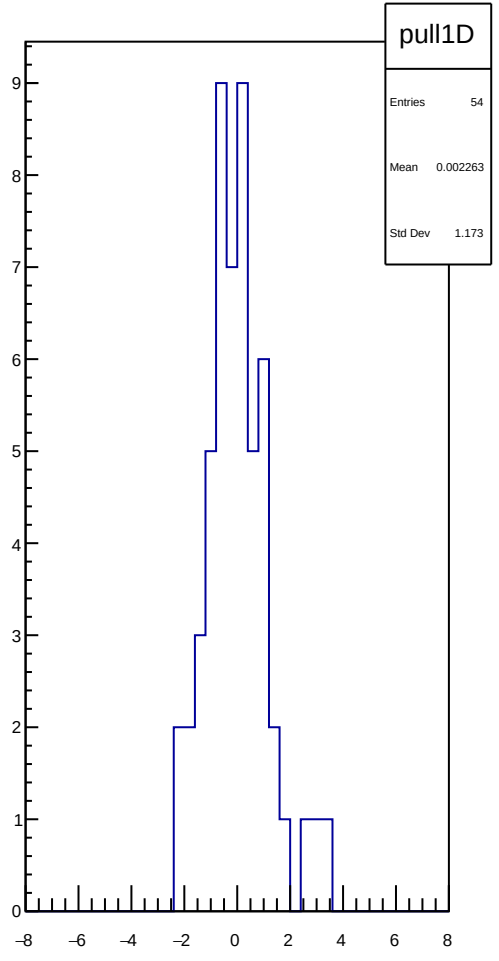

pull1D
Entries 54
Mean −0.03146
Std Dev 1.09

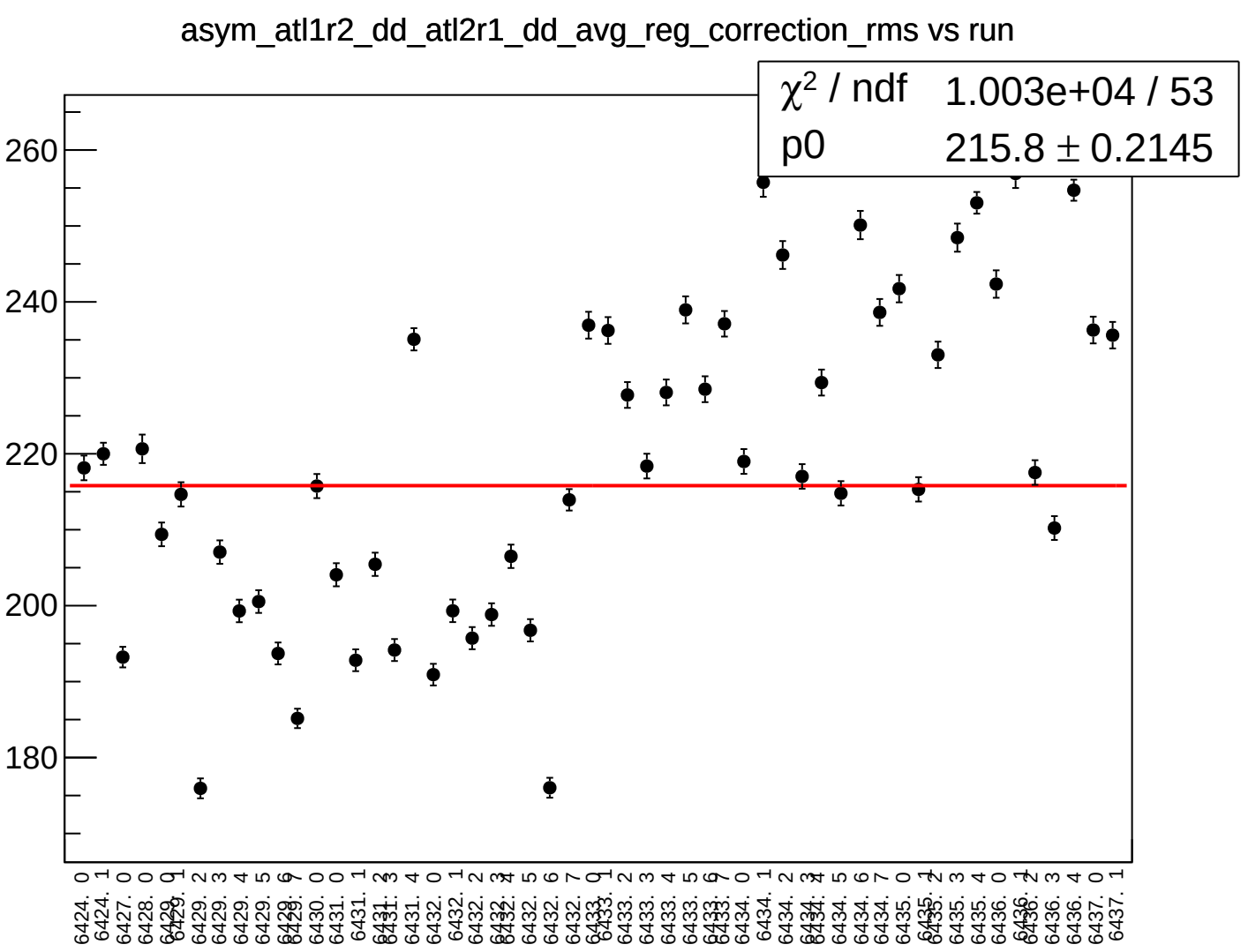

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.105e+05 / 53
p0 4.174e−11 ± 5.335e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

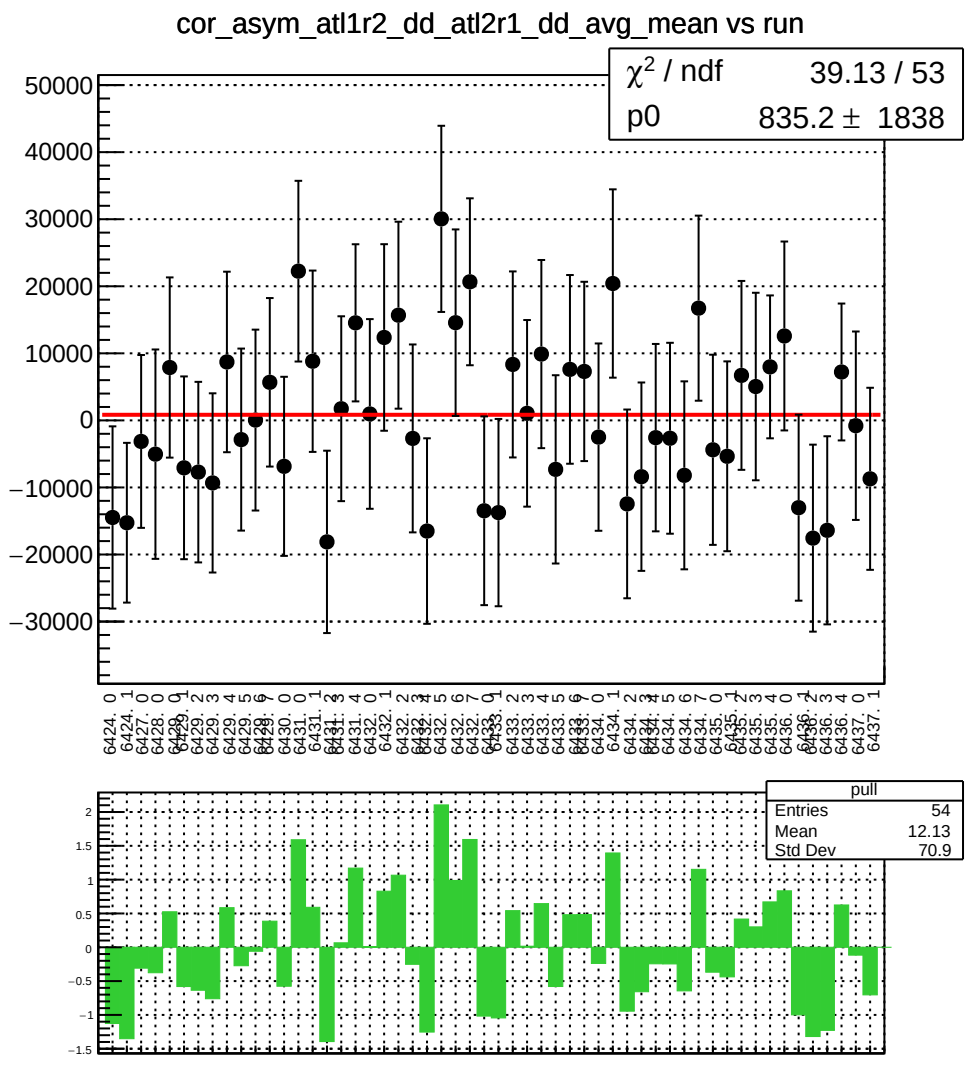

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.12 / 53
p0 836.3 ± 1838
pull
Entries 54
Mean 12.14
Std Dev 70.9
pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511

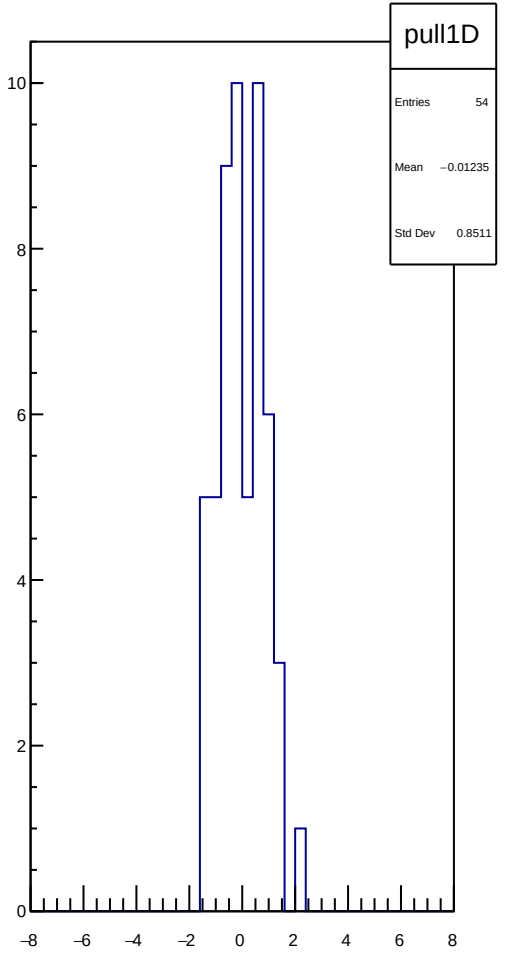

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

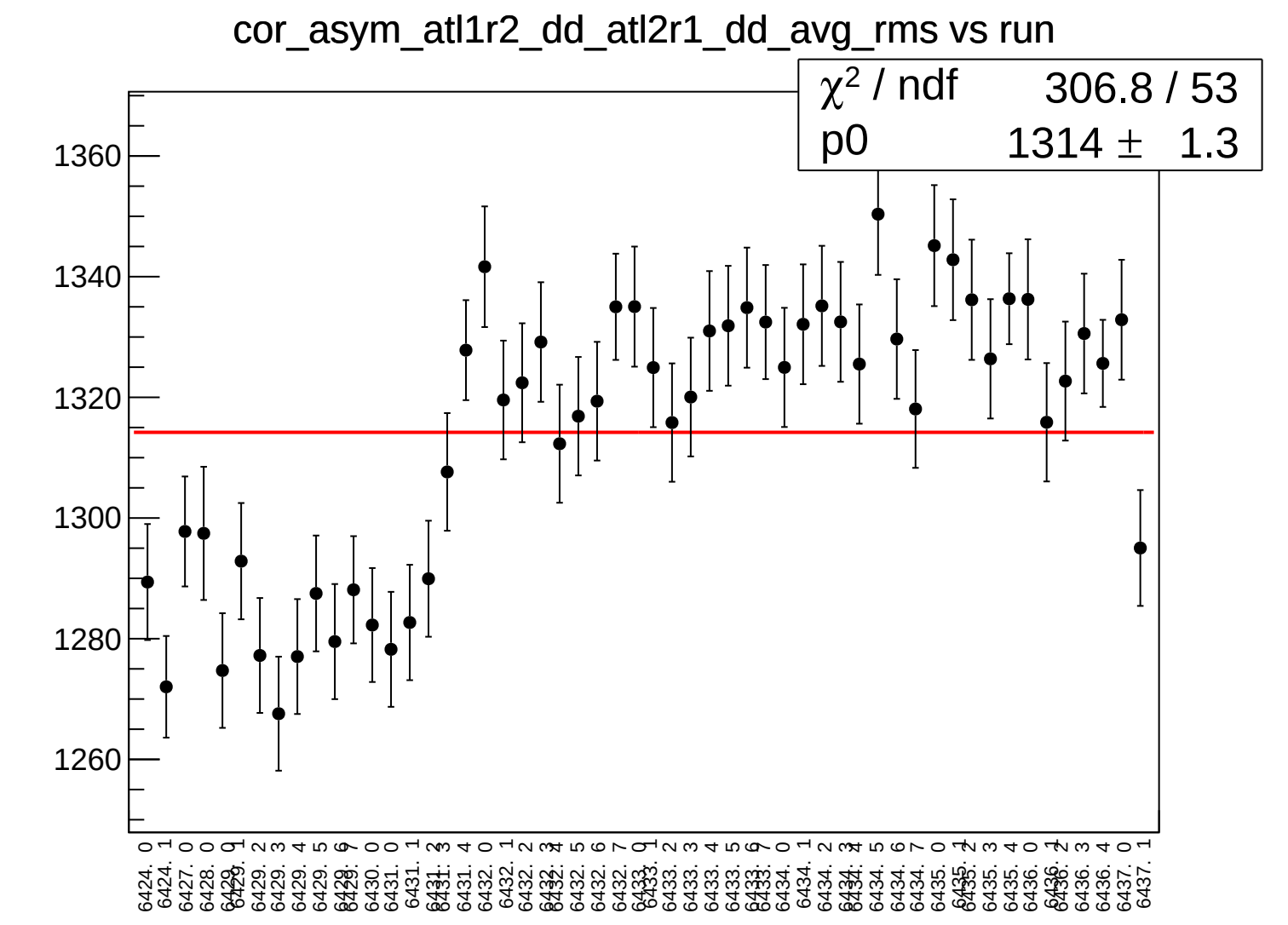

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 74.31 / 53
p0 95.41 ± 303.3
pull
Entries 54
Mean 725
Std Dev 0

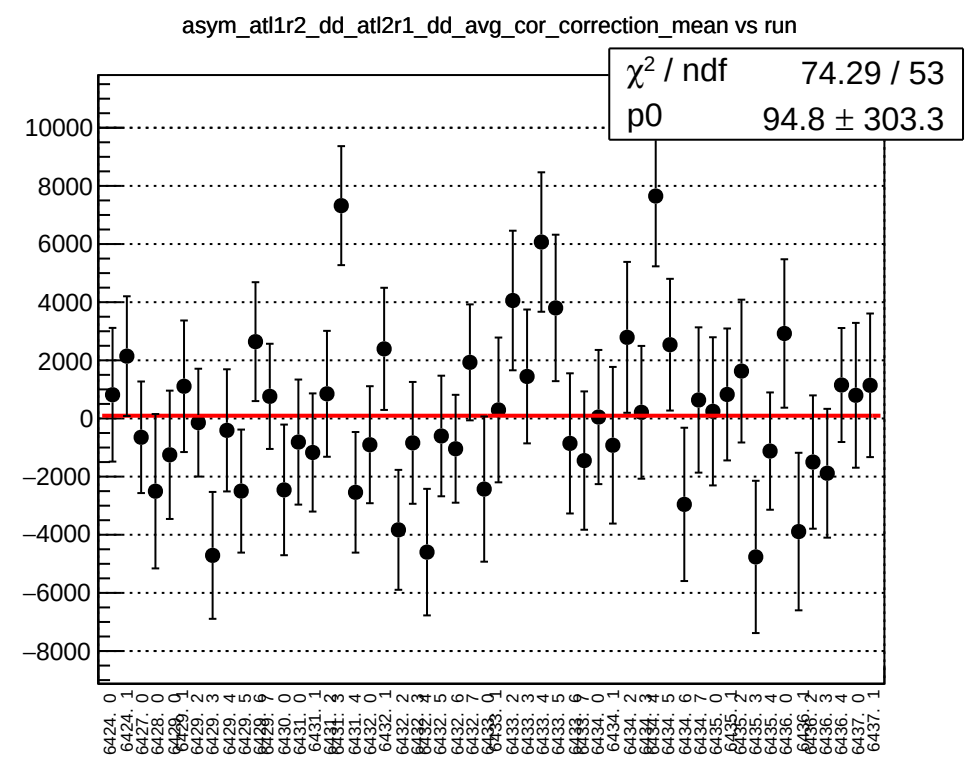

pull1D
Entries 54
Mean 0.002263
Std Dev 1.173

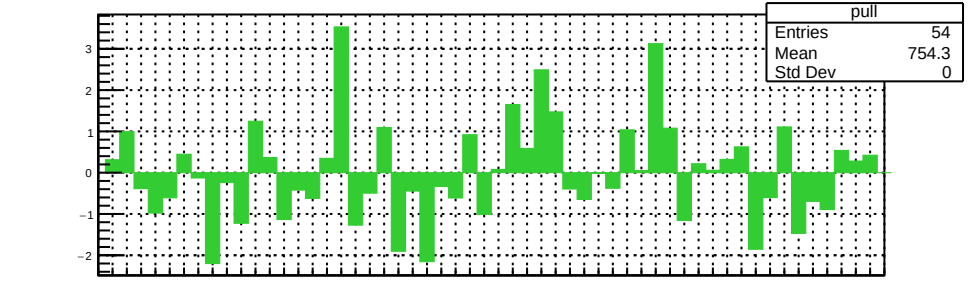

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1.003e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

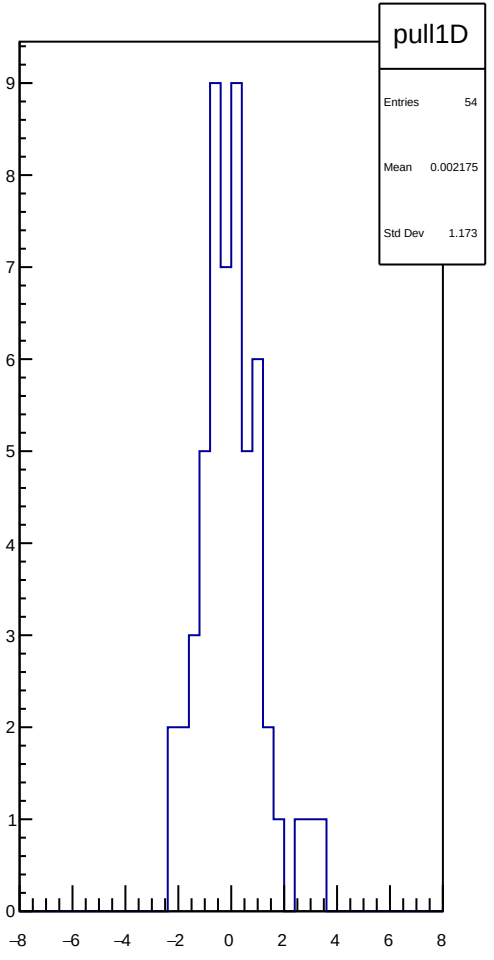

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.13 / 53
p0 835.2 ± 1838
pull
Entries 54
Mean 12.13
Std Dev 70.9

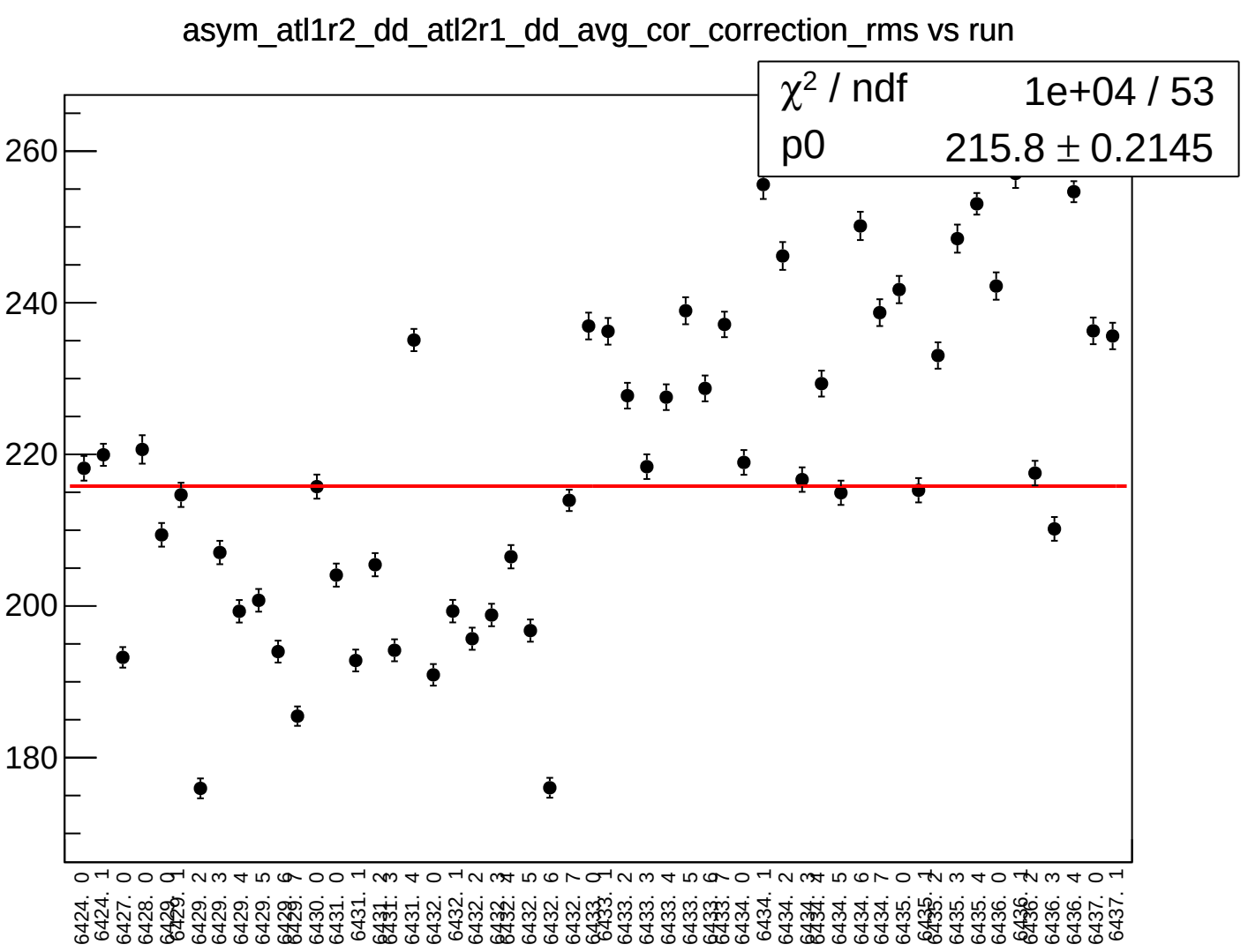

pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511


cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 74.29 / 53
p0 94.8 ± 303.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


pull
Entries 54
Mean 754.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002175
Std Dev 1.173
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
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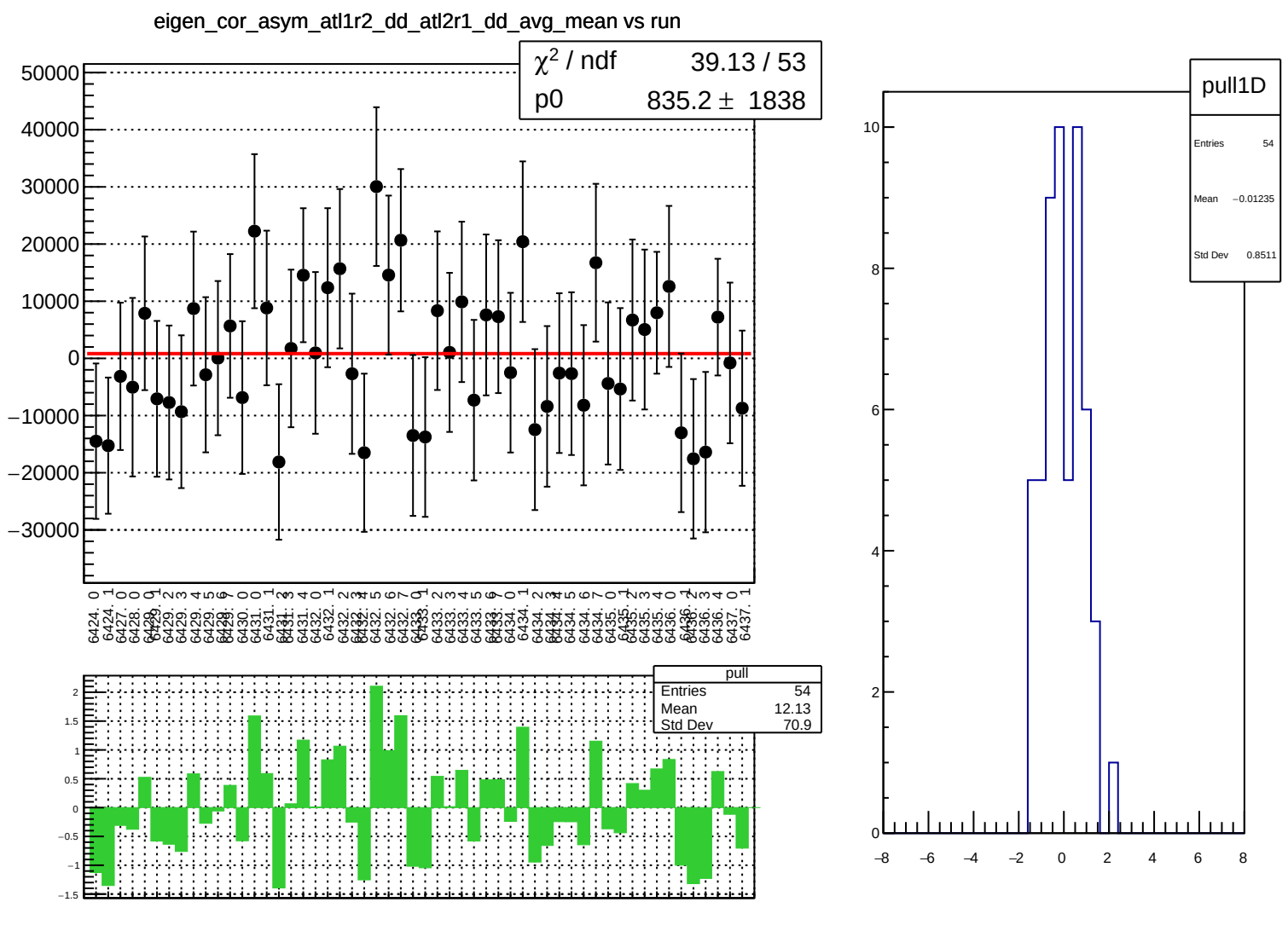
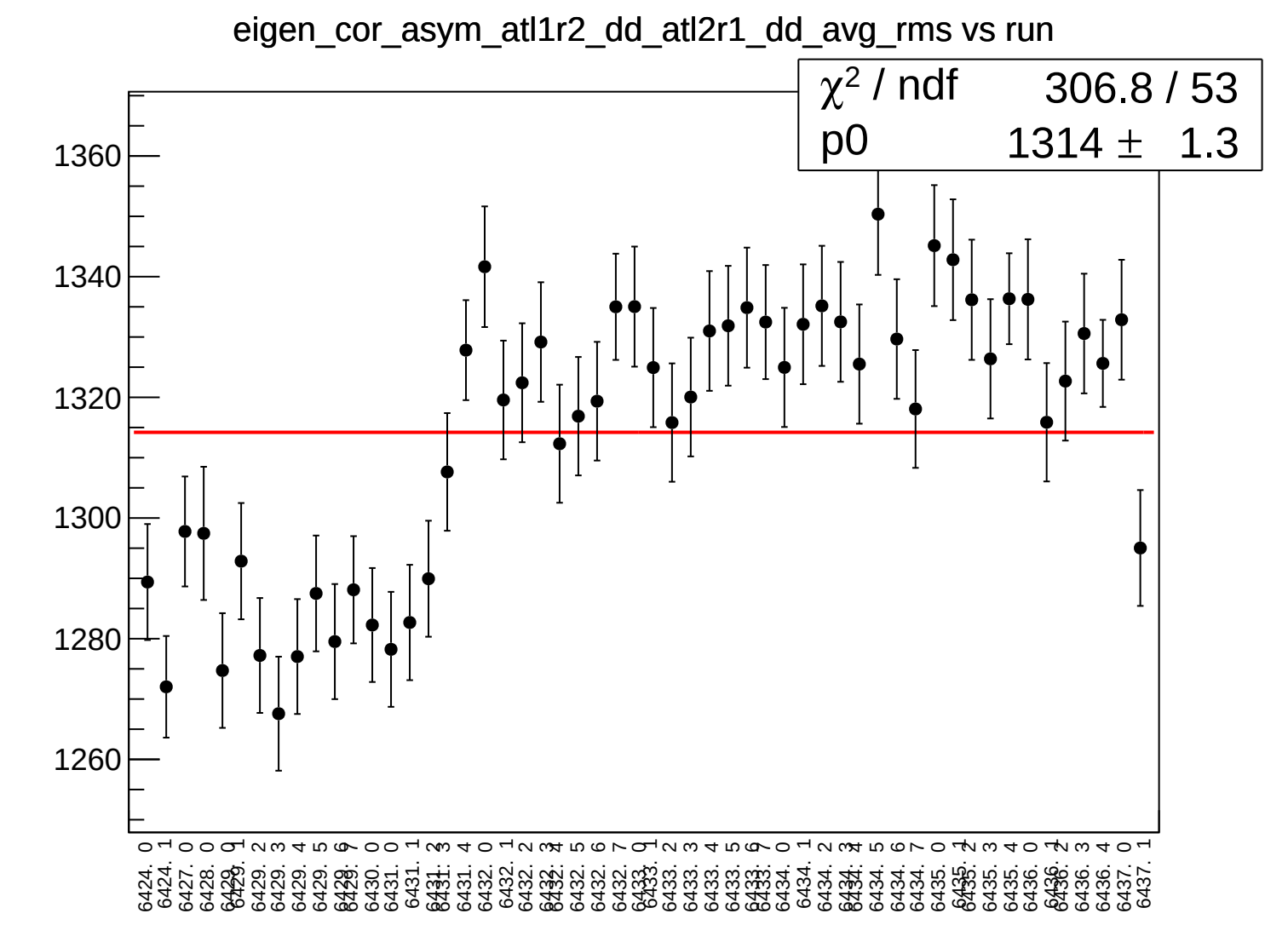
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.13 / 53
p0 835.2 ± 1838
pull
Entries 54
Mean 12.13
Std Dev 70.9
pull1D
Entries 54
Mean −0.01235
Std Dev 0.8511


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 306.8 / 53
p0 1314 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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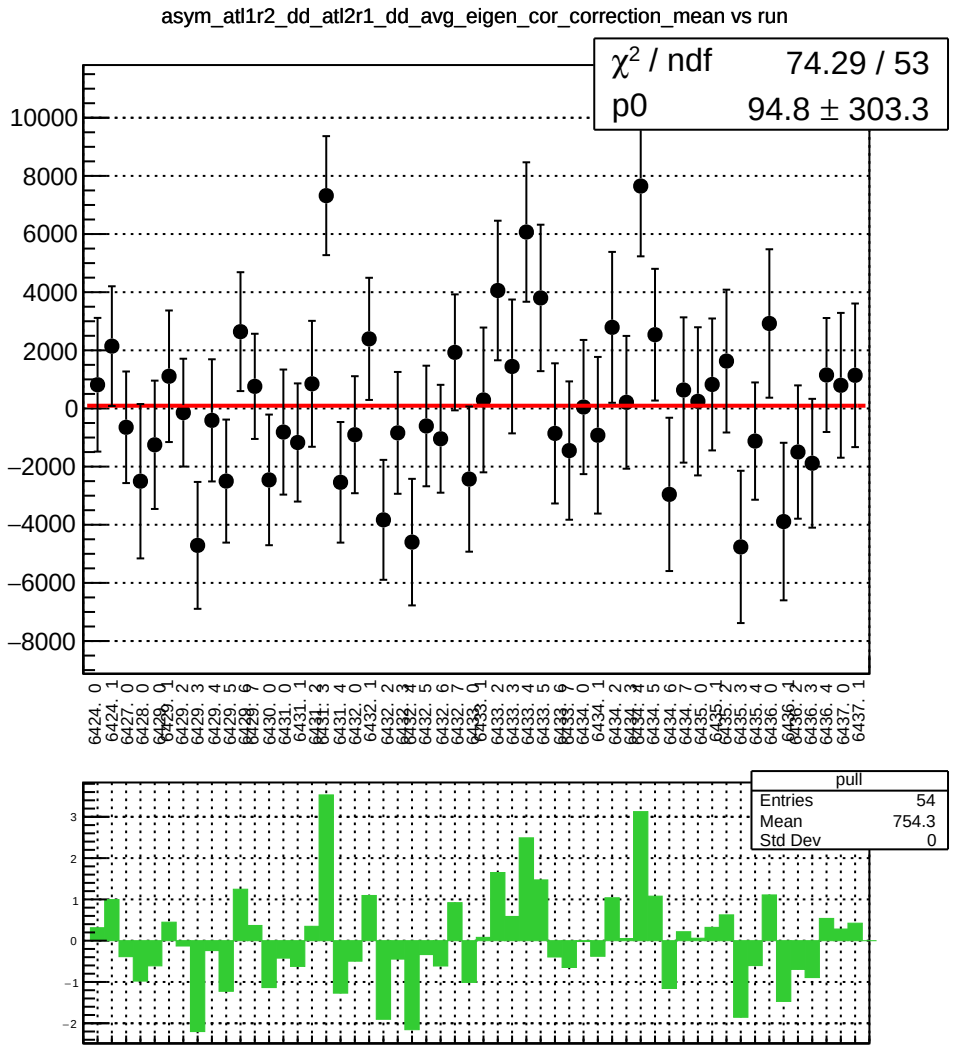
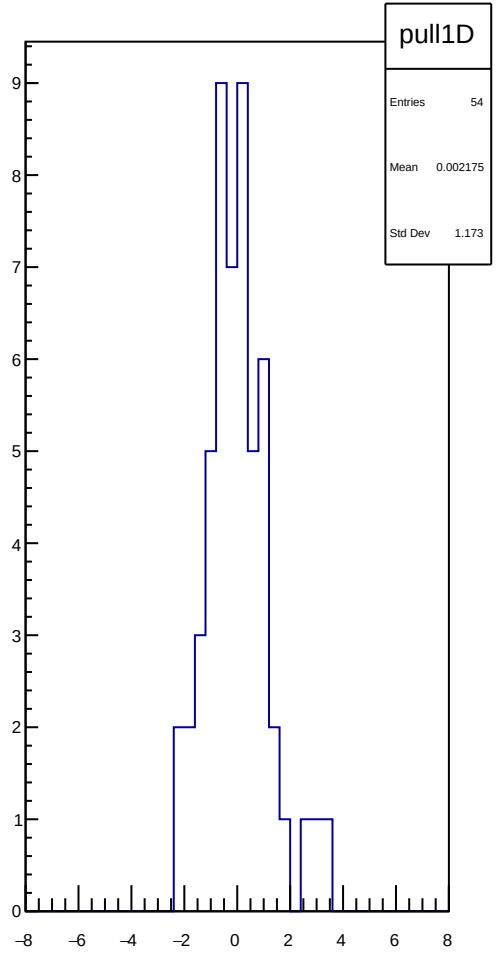
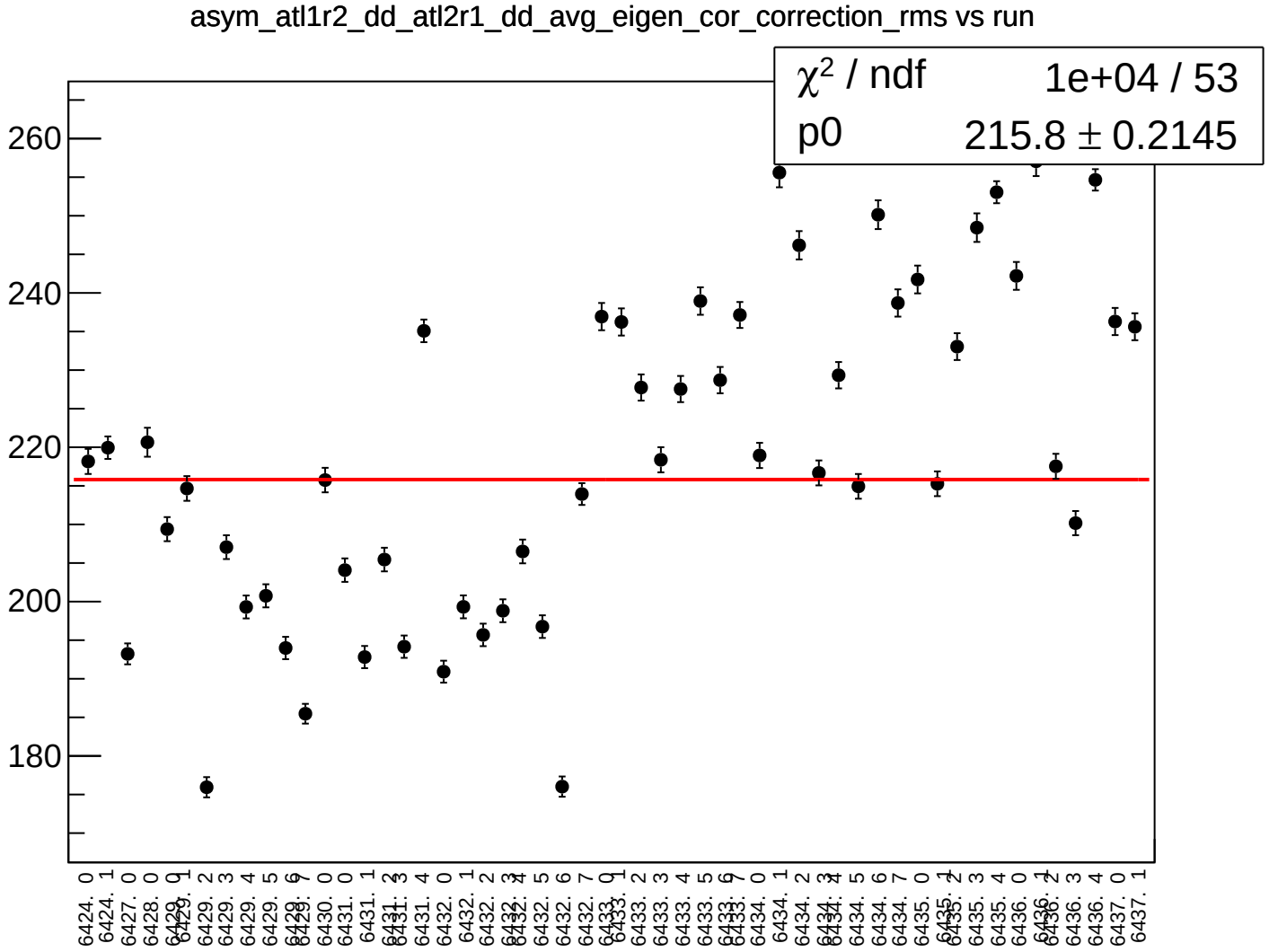
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.29 / 53
p0 94.8 ± 303.3
pull
Entries 54
Mean 754.3
Std Dev 0


pull1D
Entries 54
Mean 0.002175
Std Dev 1.173


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1e+04 / 53
p0 215.8 ± 0.2145
260
240
220
200
180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
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6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
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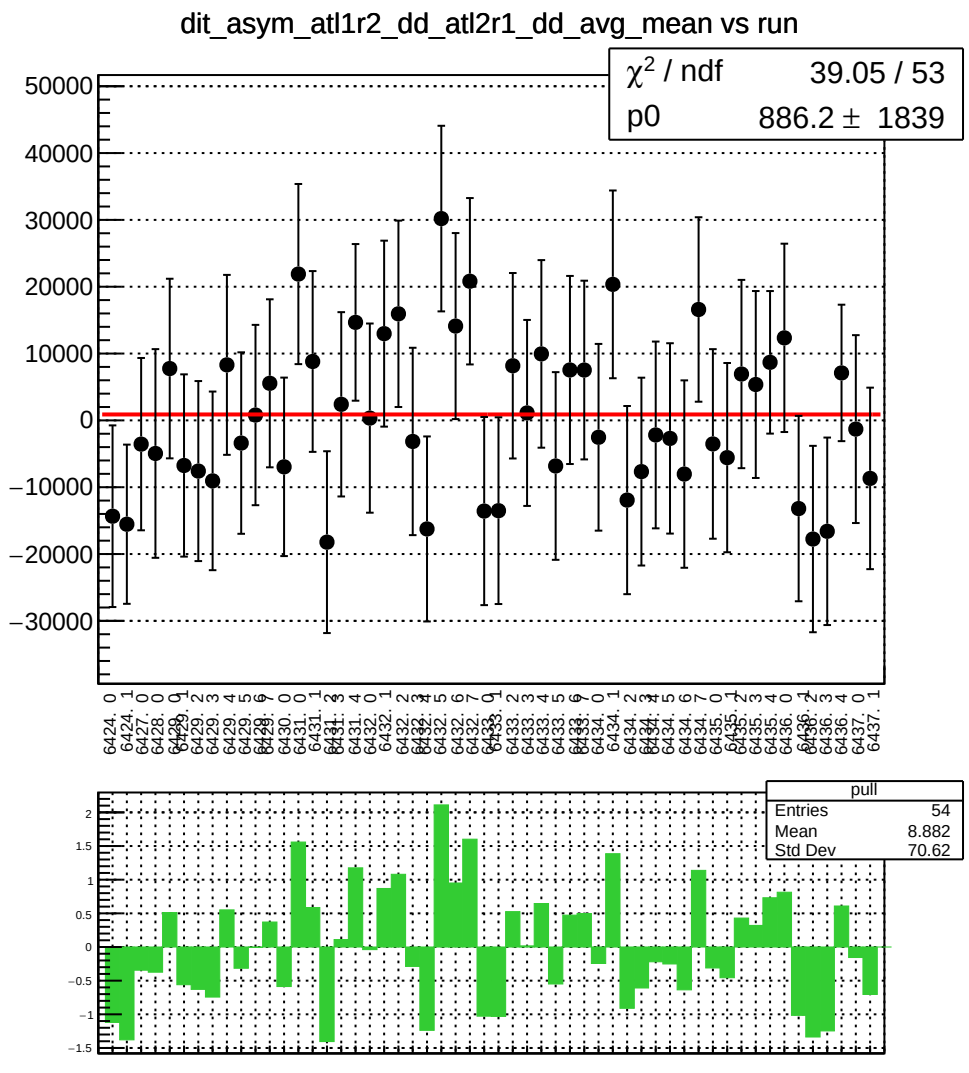
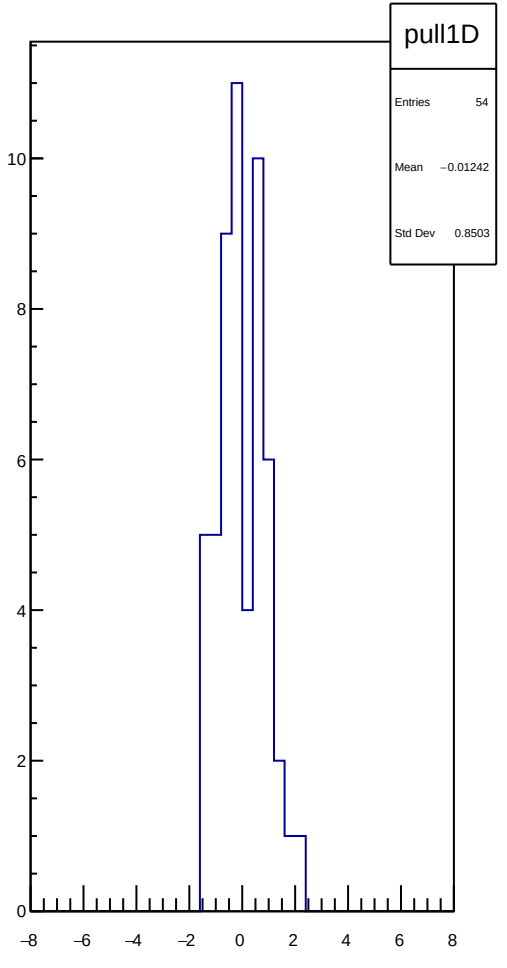
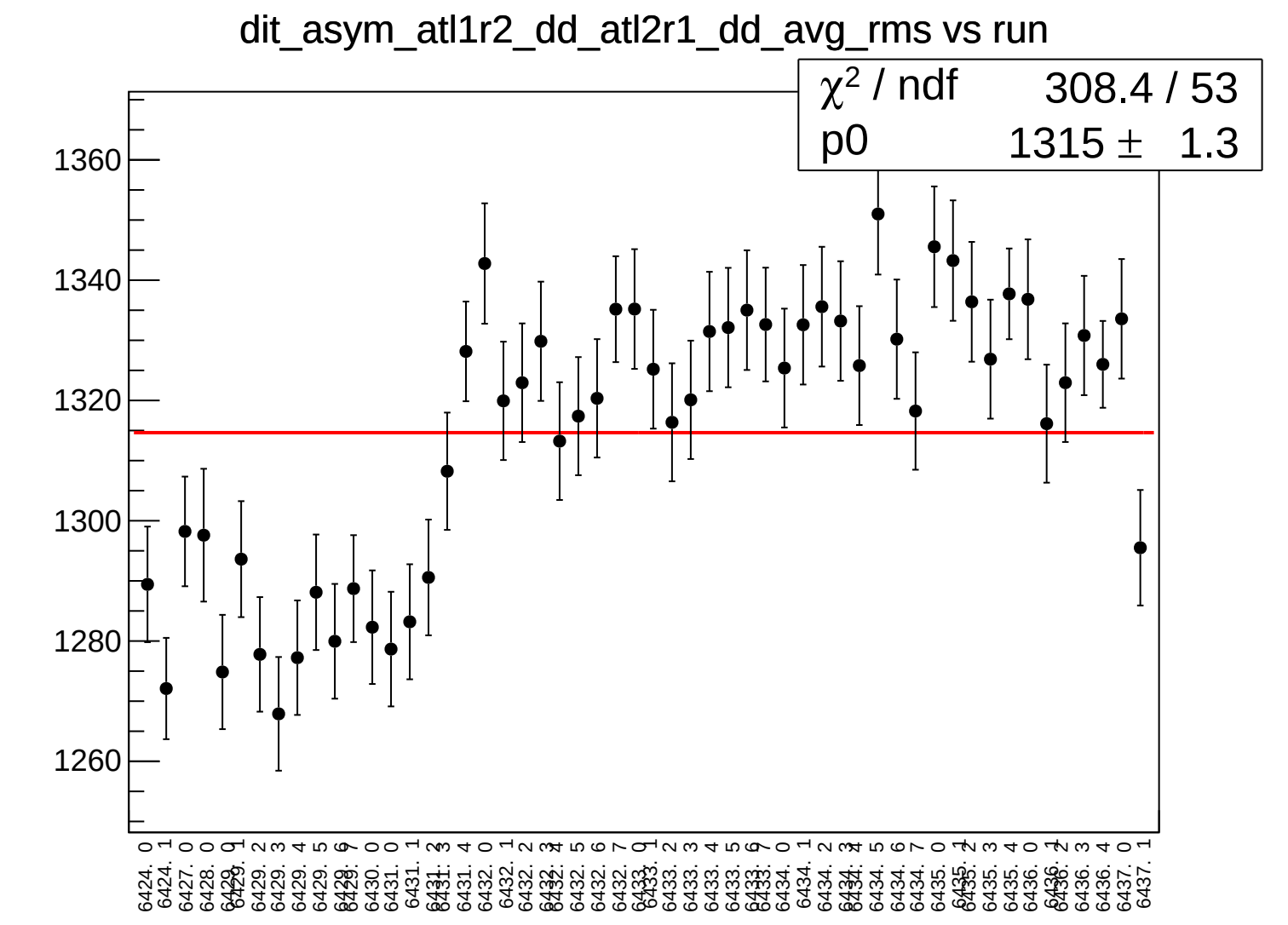
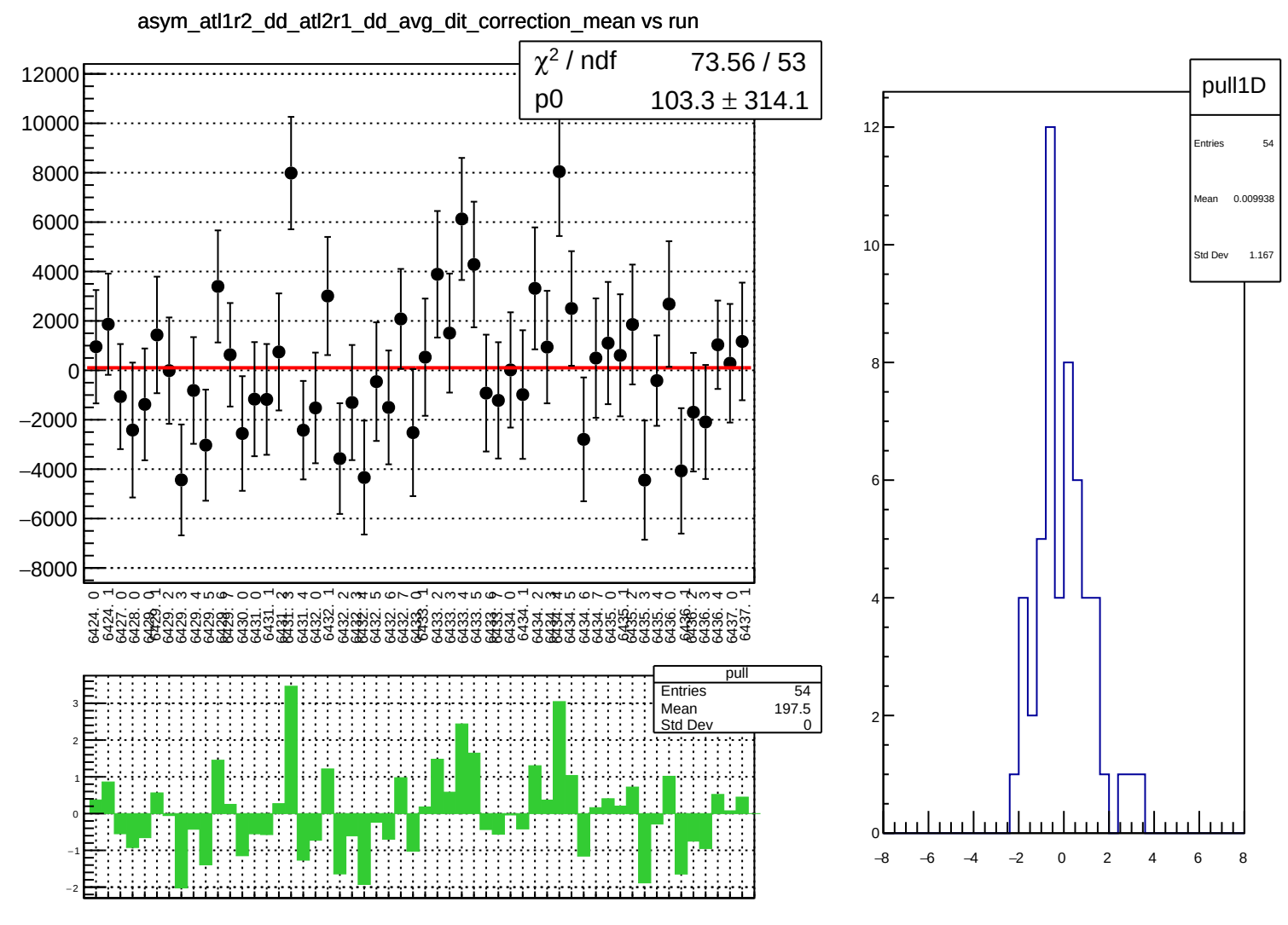
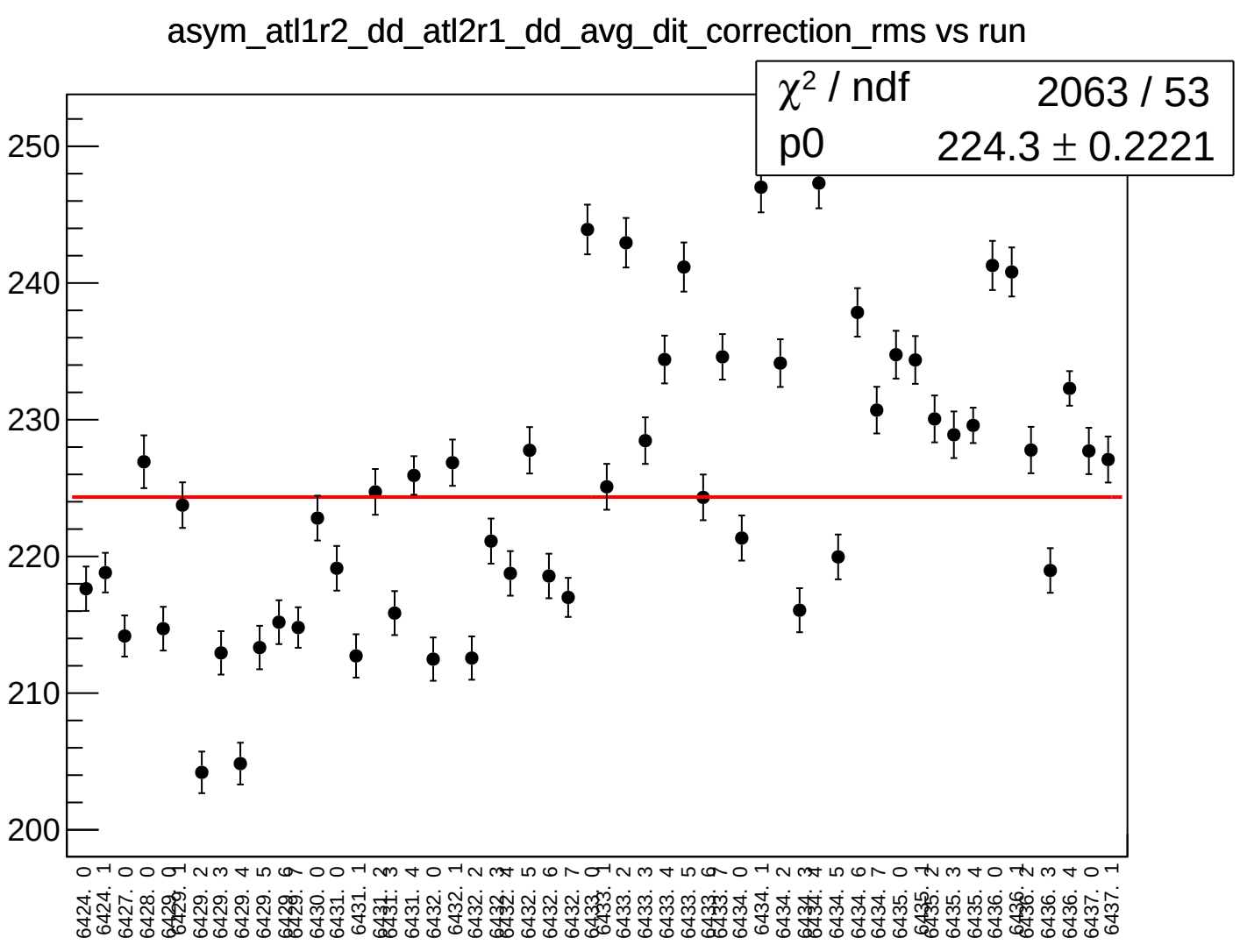
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.05 / 53
p0 886.2 ± 1839
pull
Entries 54
Mean 8.882
Std Dev 70.62


pull1D
Entries 54
Mean −0.01242
Std Dev 0.8503


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 308.4 / 53
p0 1315 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 73.56 / 53
p0 103.3 ± 314.1
pull
Entries 54
Mean 197.5
Std Dev 0
pull1D
Entries 54
Mean 0.009938
Std Dev 1.167


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 2063 / 53
p0 224.3 ± 0.2221
250
240
230
220
210
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
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6434. 2
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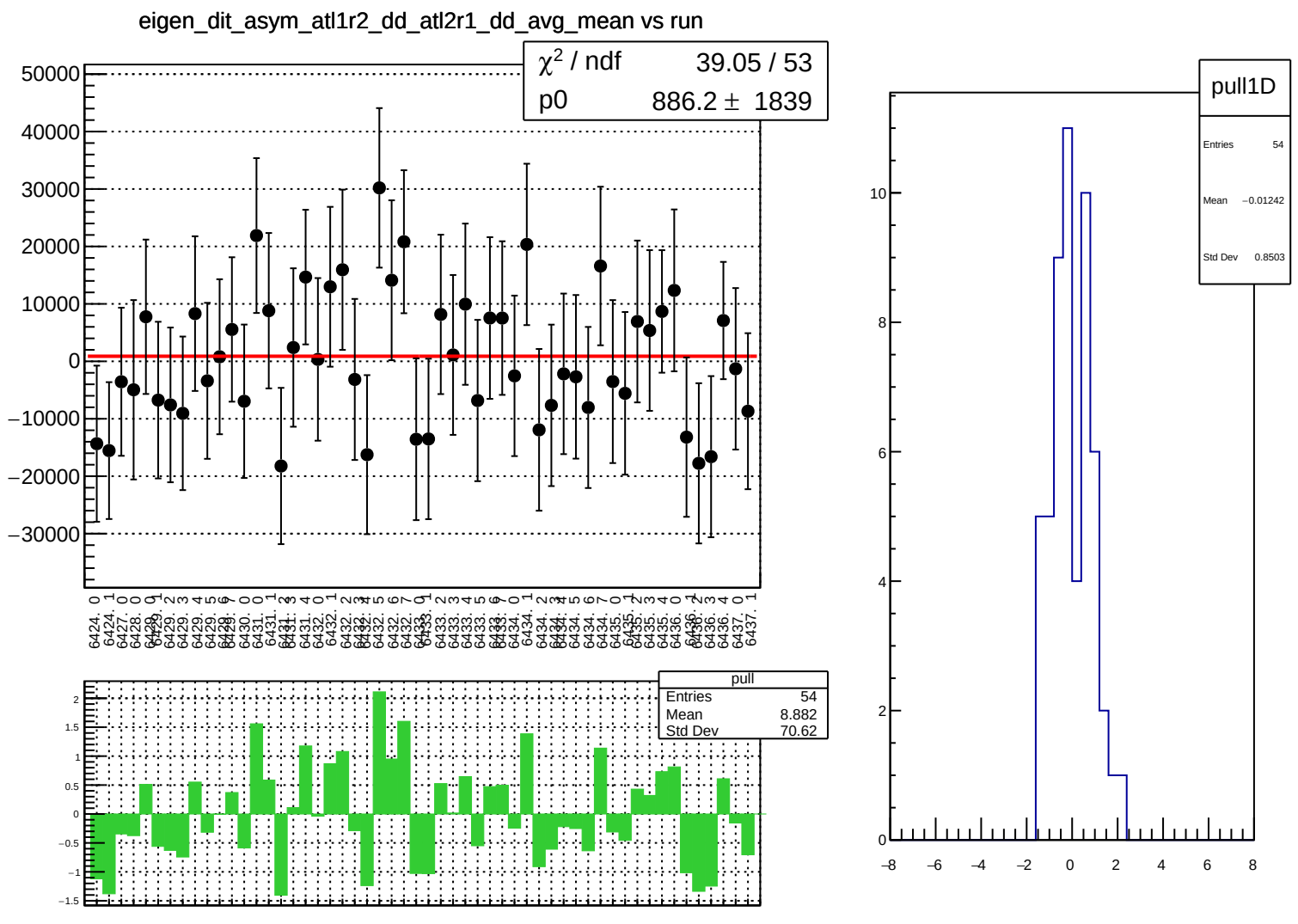
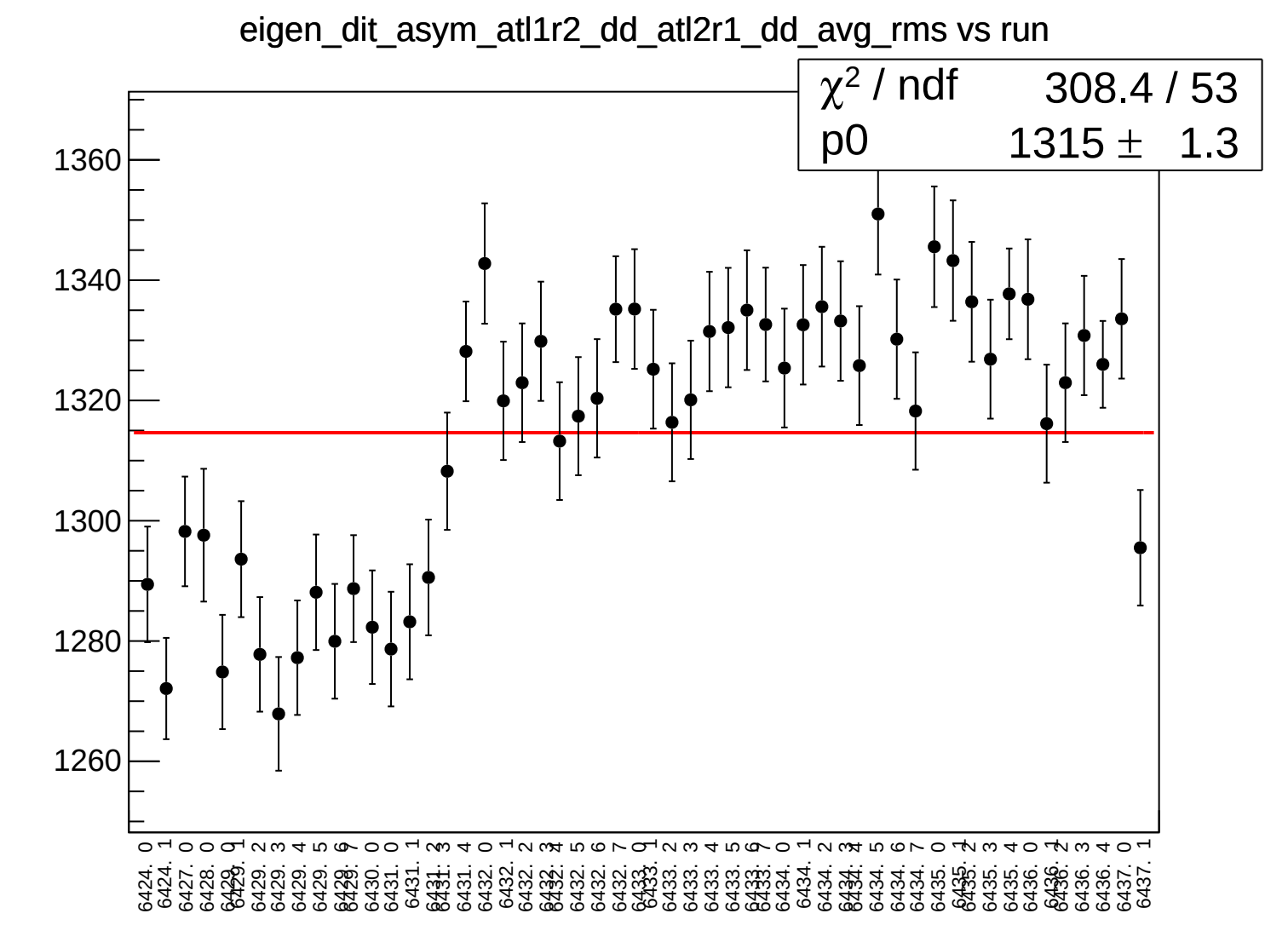
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.05 / 53
p0 886.2 ± 1839
pull
Entries 54
Mean 8.882
Std Dev 70.62
pull1D
Entries 54
Mean −0.01242
Std Dev 0.8503


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 308.4 / 53
p0 1315 ± 1.3
1360
1340
1320
1300
1280
1260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
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6431. 4
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6436. 2
6436. 3
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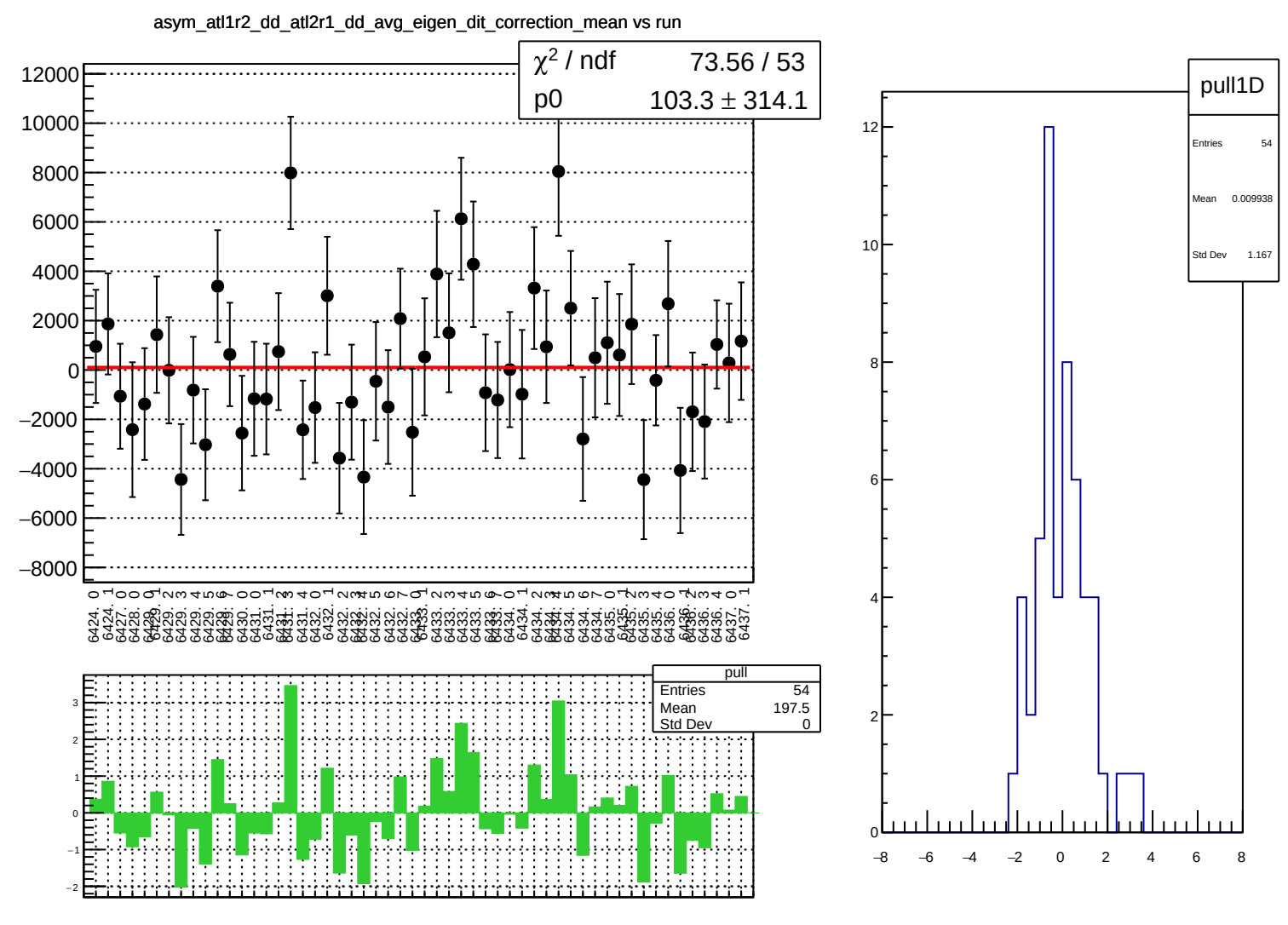
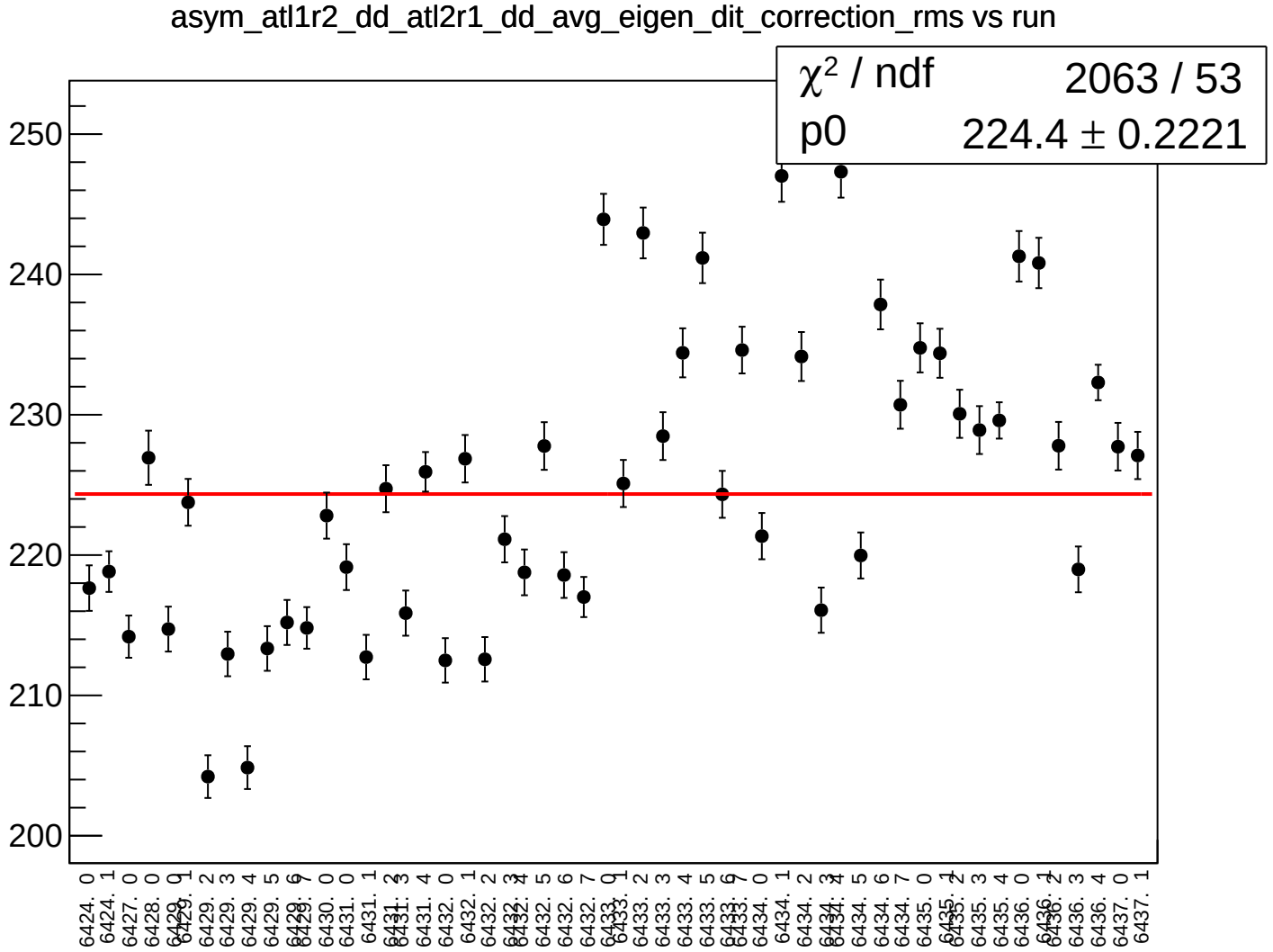
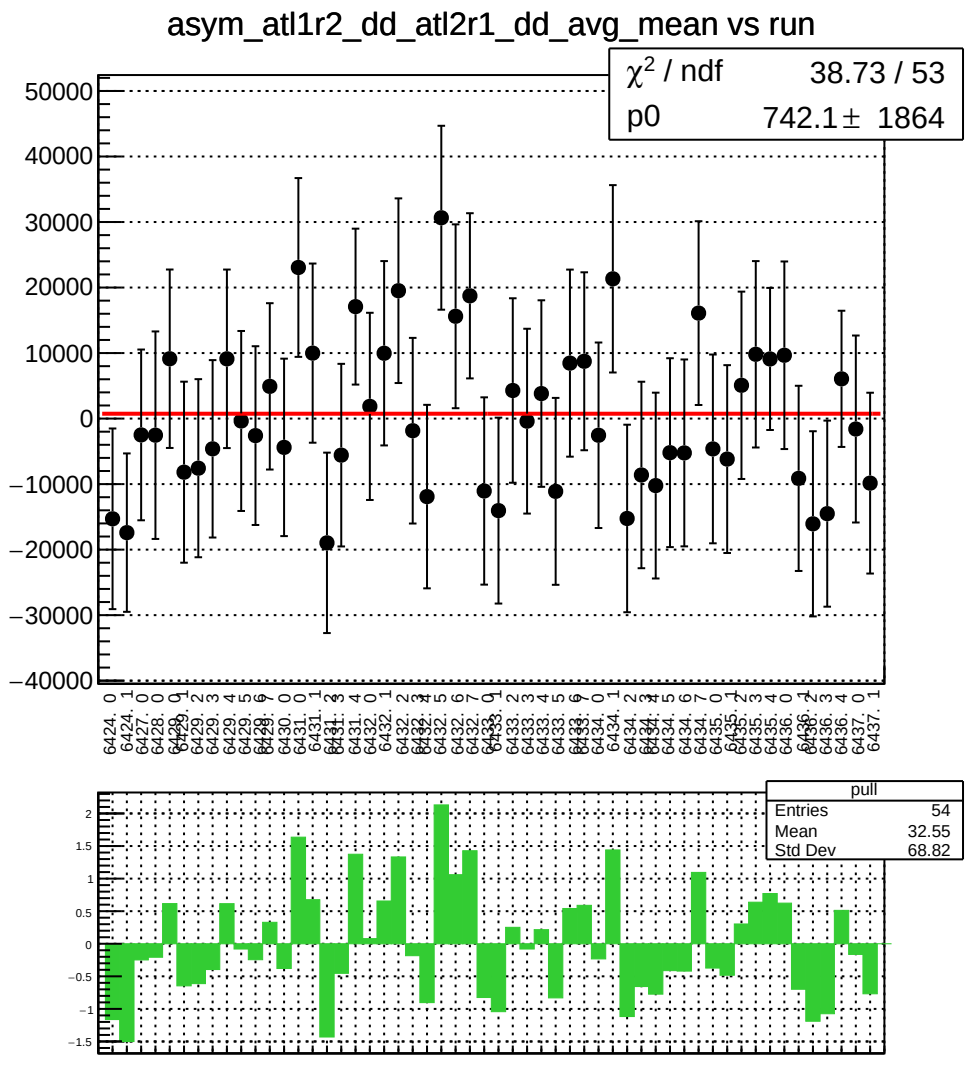
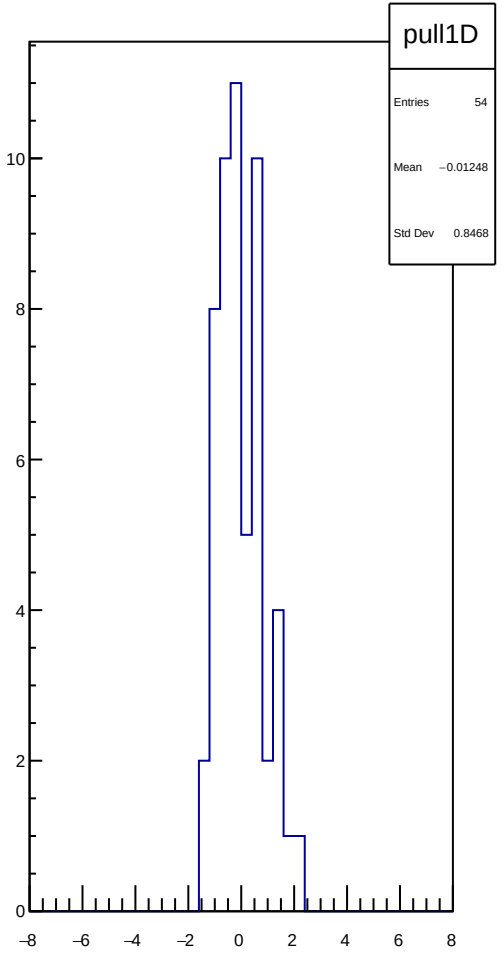
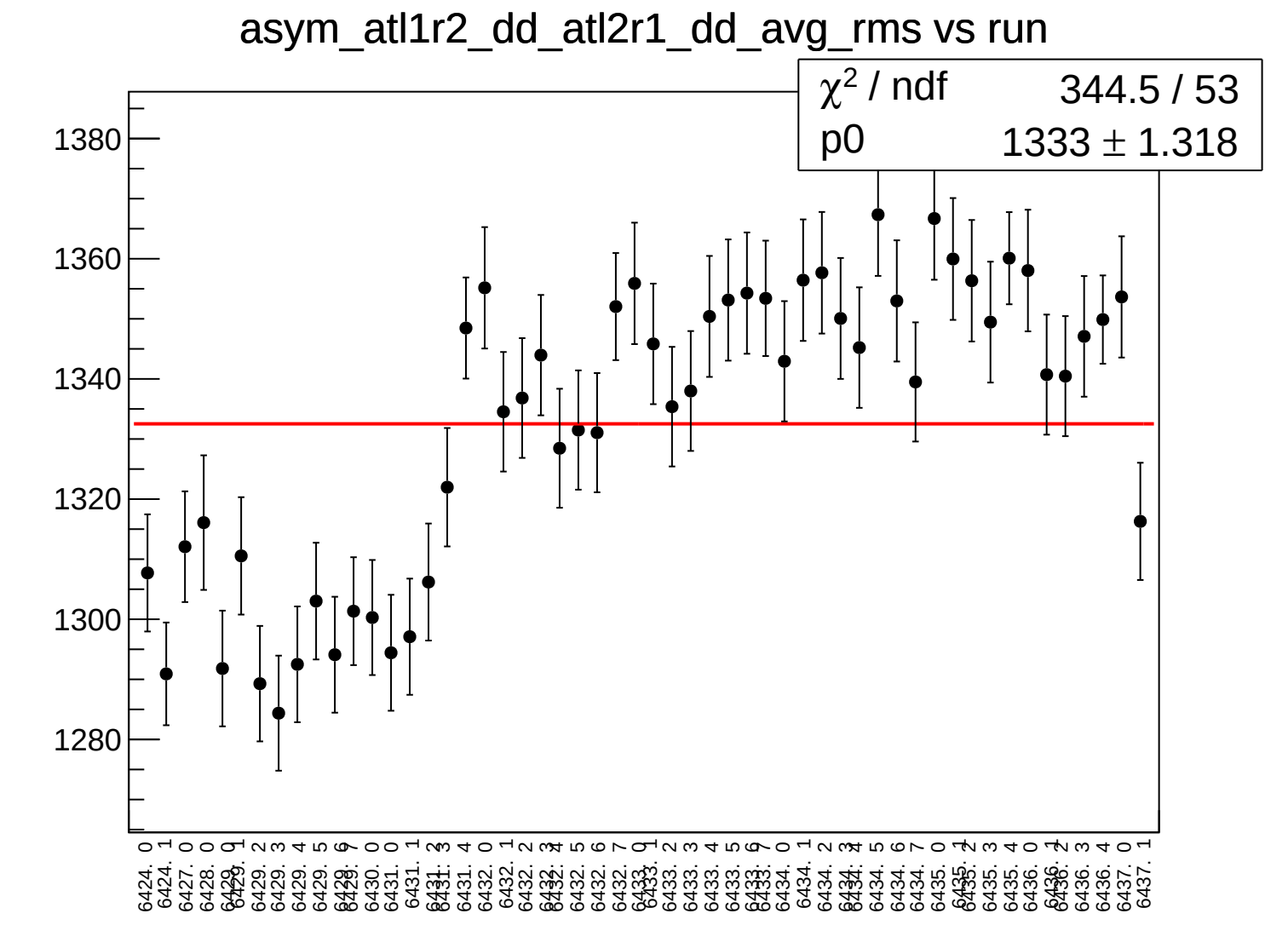
6437. 0
6437. 1

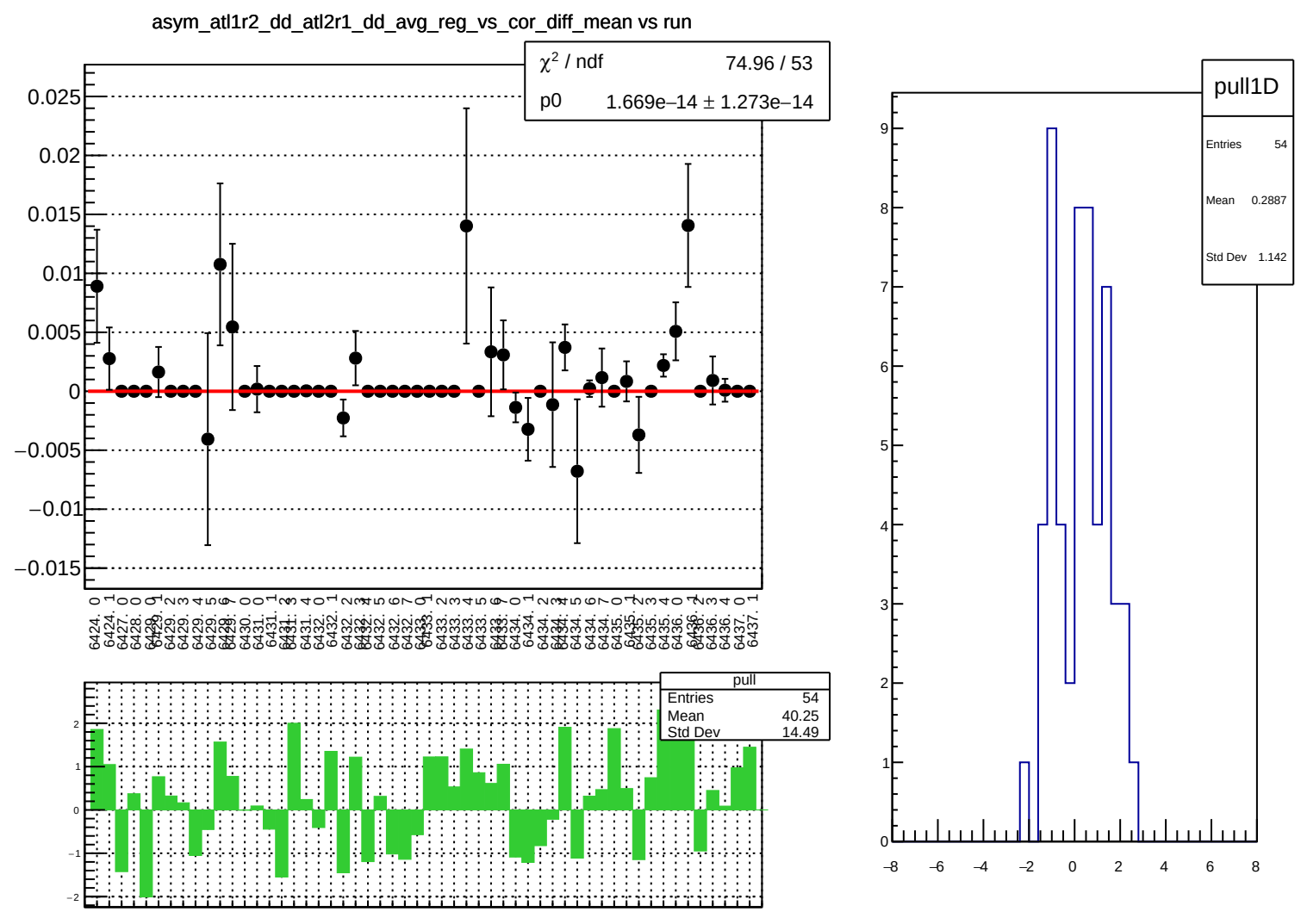

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 73.56 / 53
p0 103.3 ± 314.1
pull
Entries 54
Mean 197.5
Std Dev 0
pull1D
Entries 54
Mean 0.009938
Std Dev 1.167

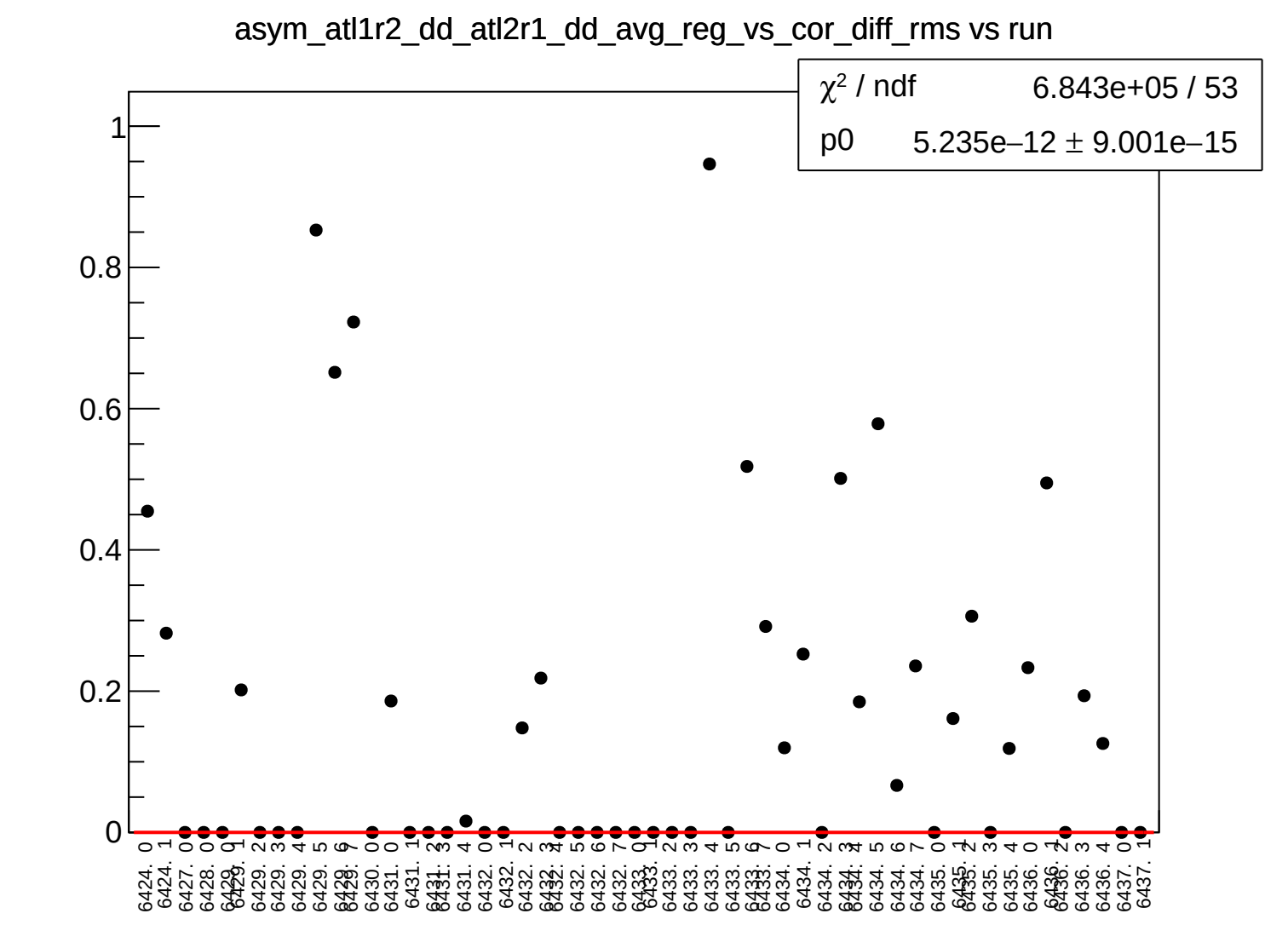

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2063 / 53
p0 224.4 ± 0.2221
250
240
230
220
210
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

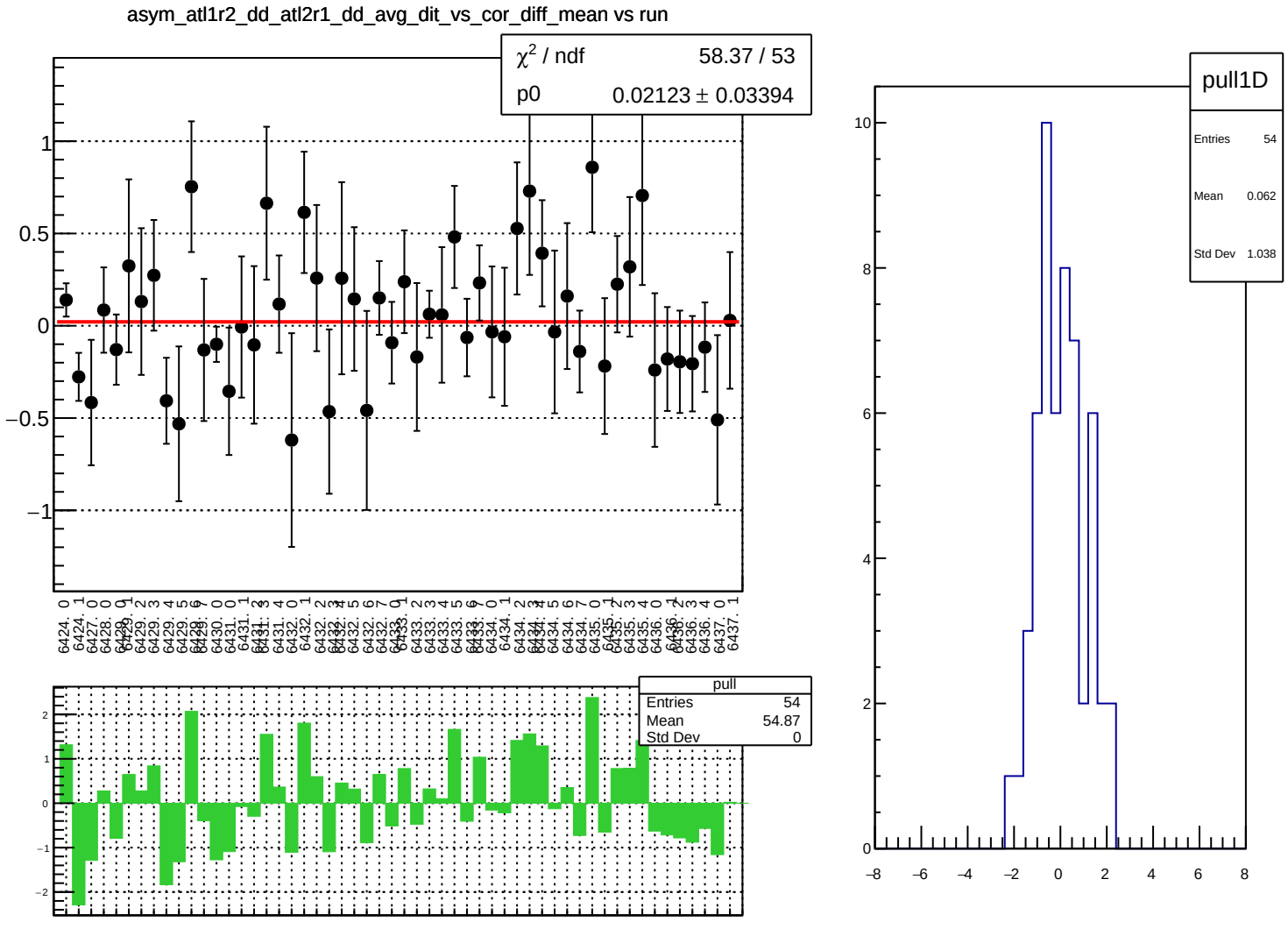

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 38.73 / 53
p0 742.1 ± 1864
pull
Entries 54
Mean 32.55
Std Dev 68.82

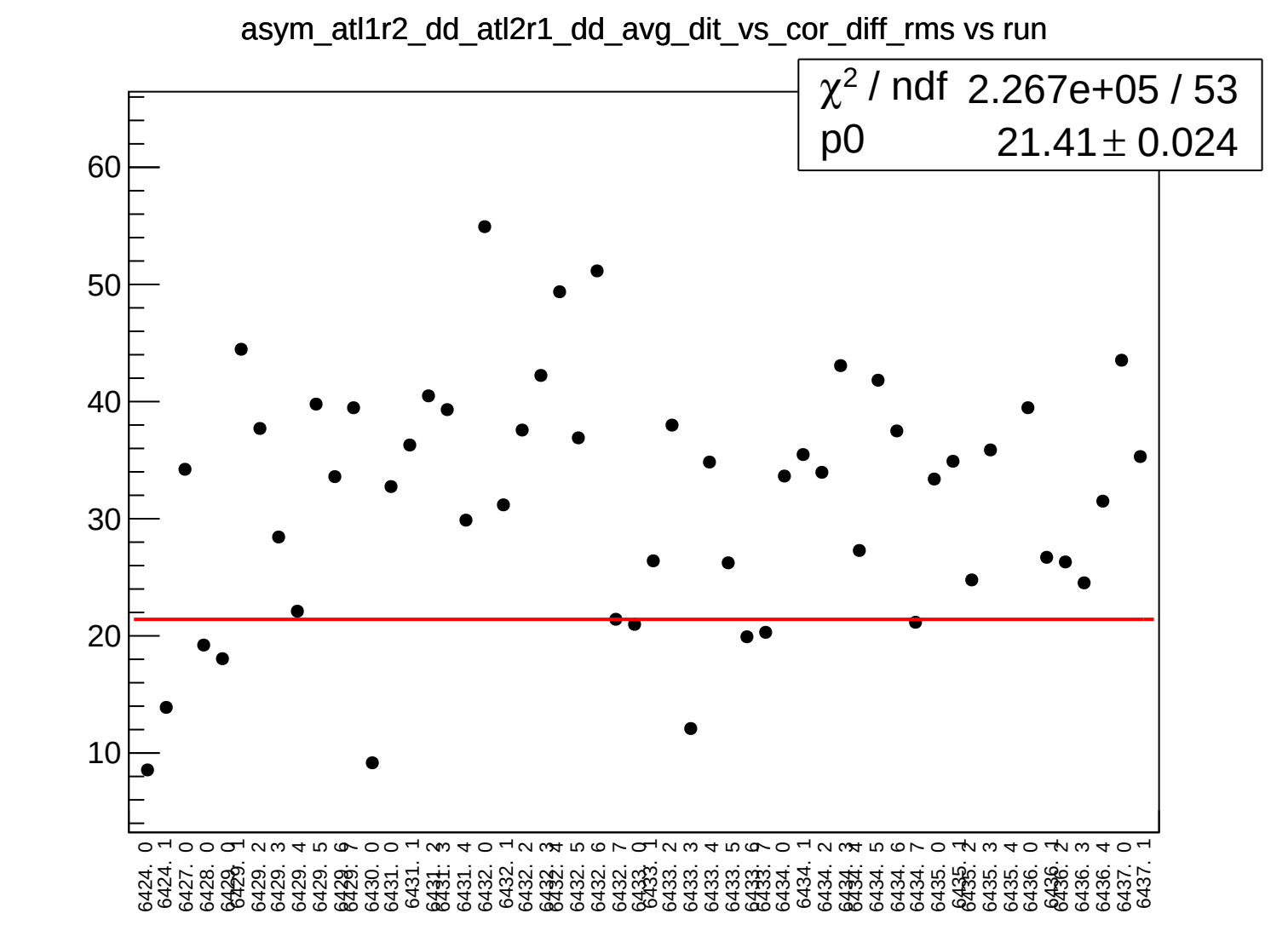

pull1D
Entries 54
Mean −0.01248
Std Dev 0.8468

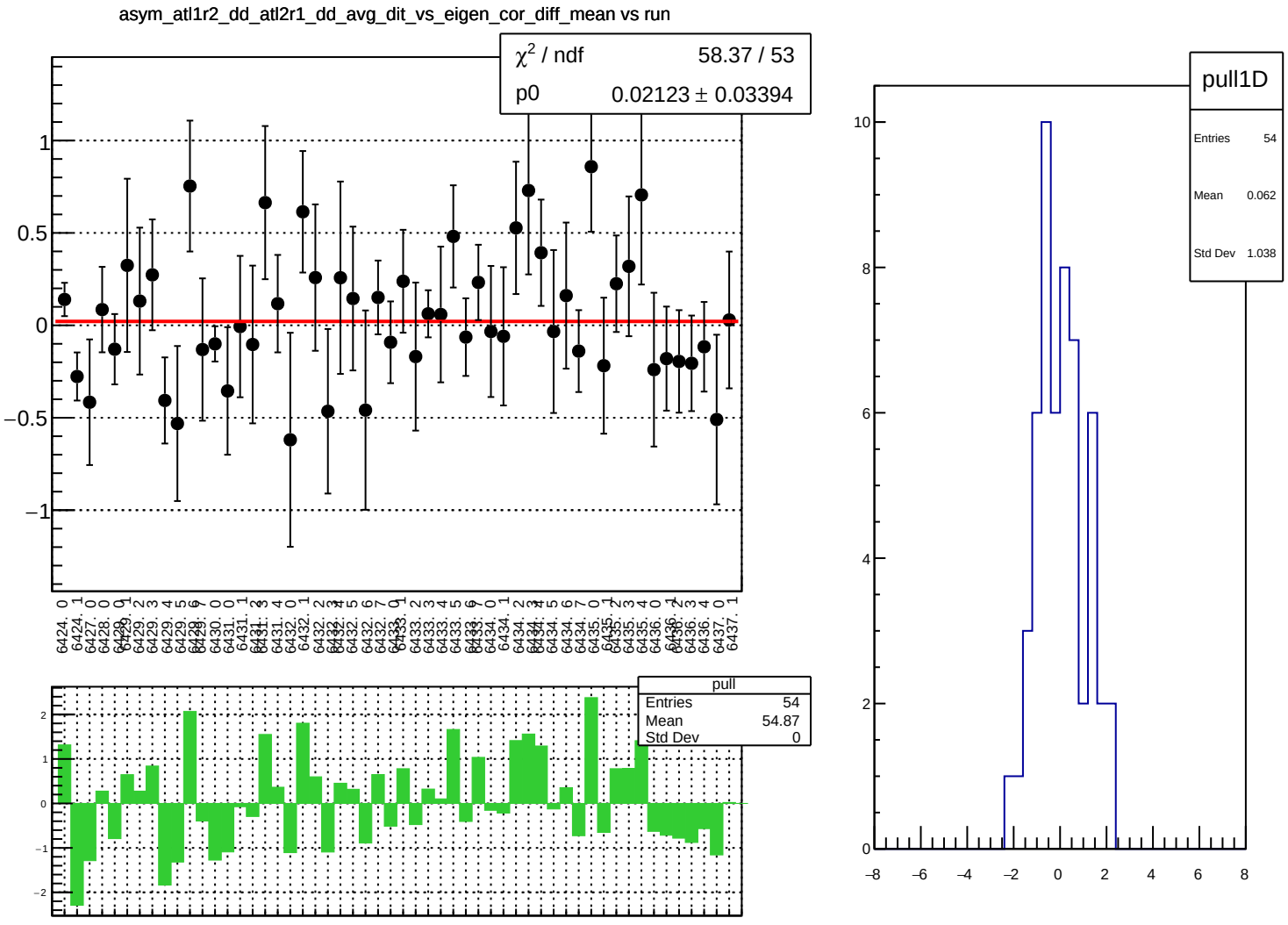

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 344.5 / 53
p0 1333 ± 1.318
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

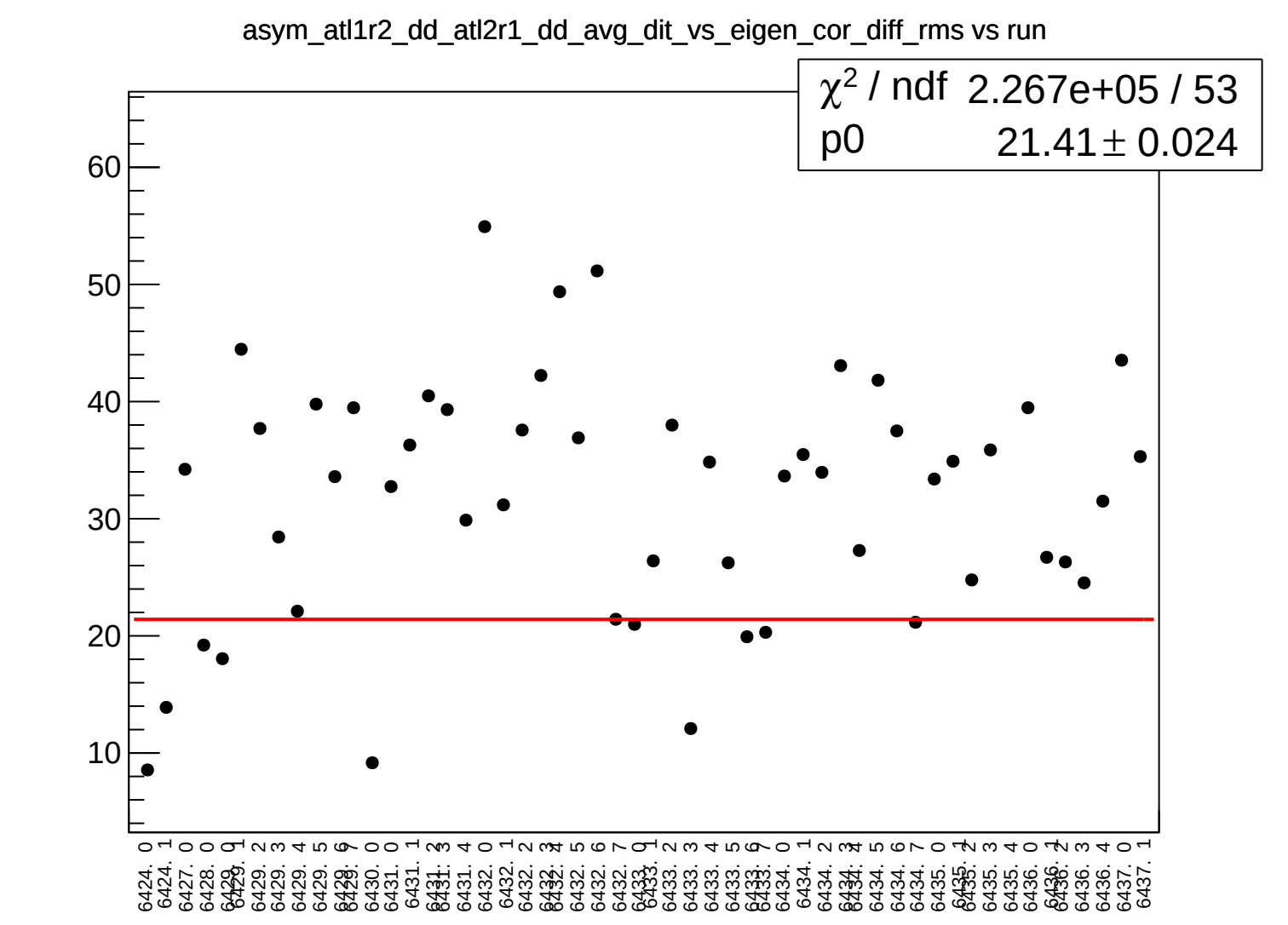

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.96 / 53
p0 1.669e−14 ± 1.273e−14
pull
Entries 54
Mean 40.25
Std Dev 14.49
pull1D
Entries 54
Mean 0.2887
Std Dev 1.142

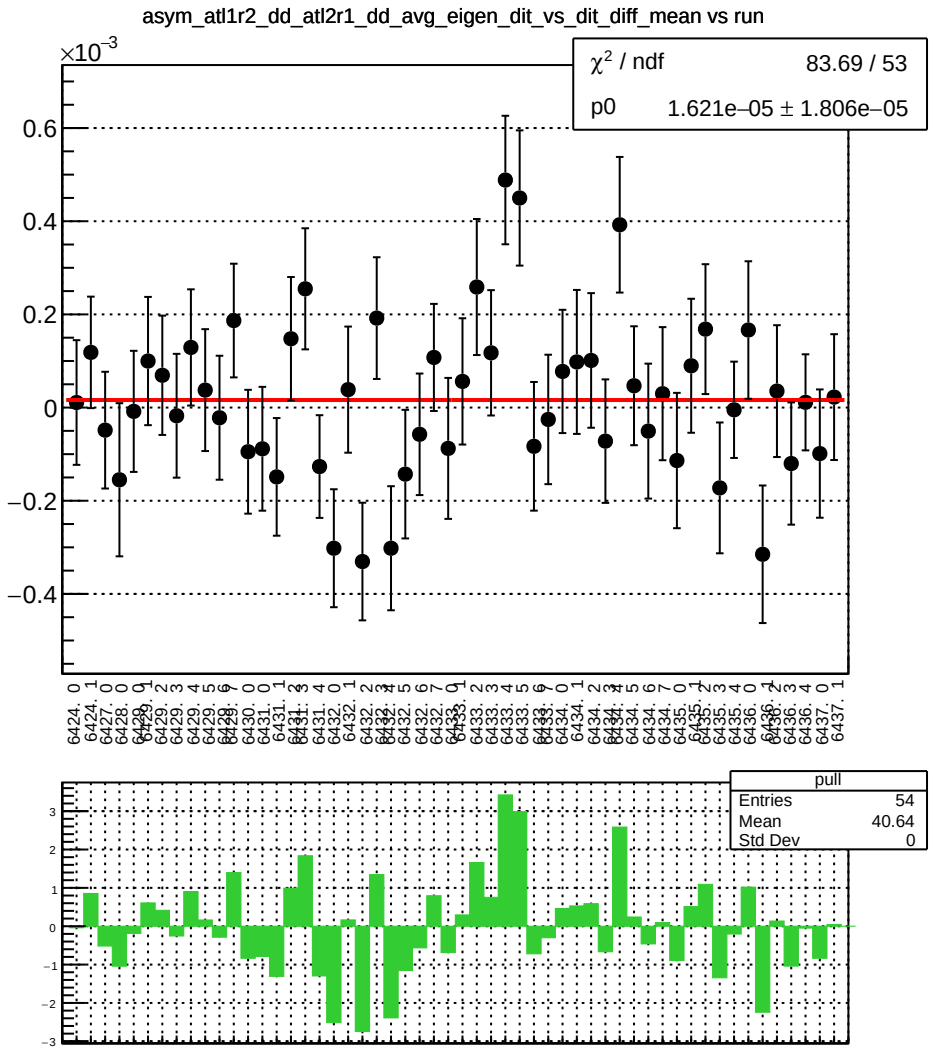

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.843e+05 / 53
p0 5.235e−12 ± 9.001e−15
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

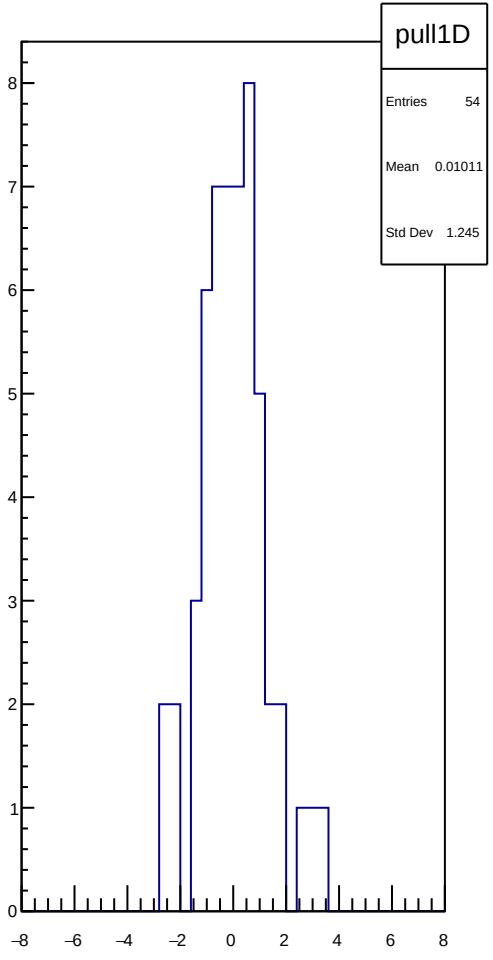

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.02123 ± 0.03394
pull
Entries 54
Mean 54.87
Std Dev 0
pull1D
Entries 54
Mean 0.062
Std Dev 1.038

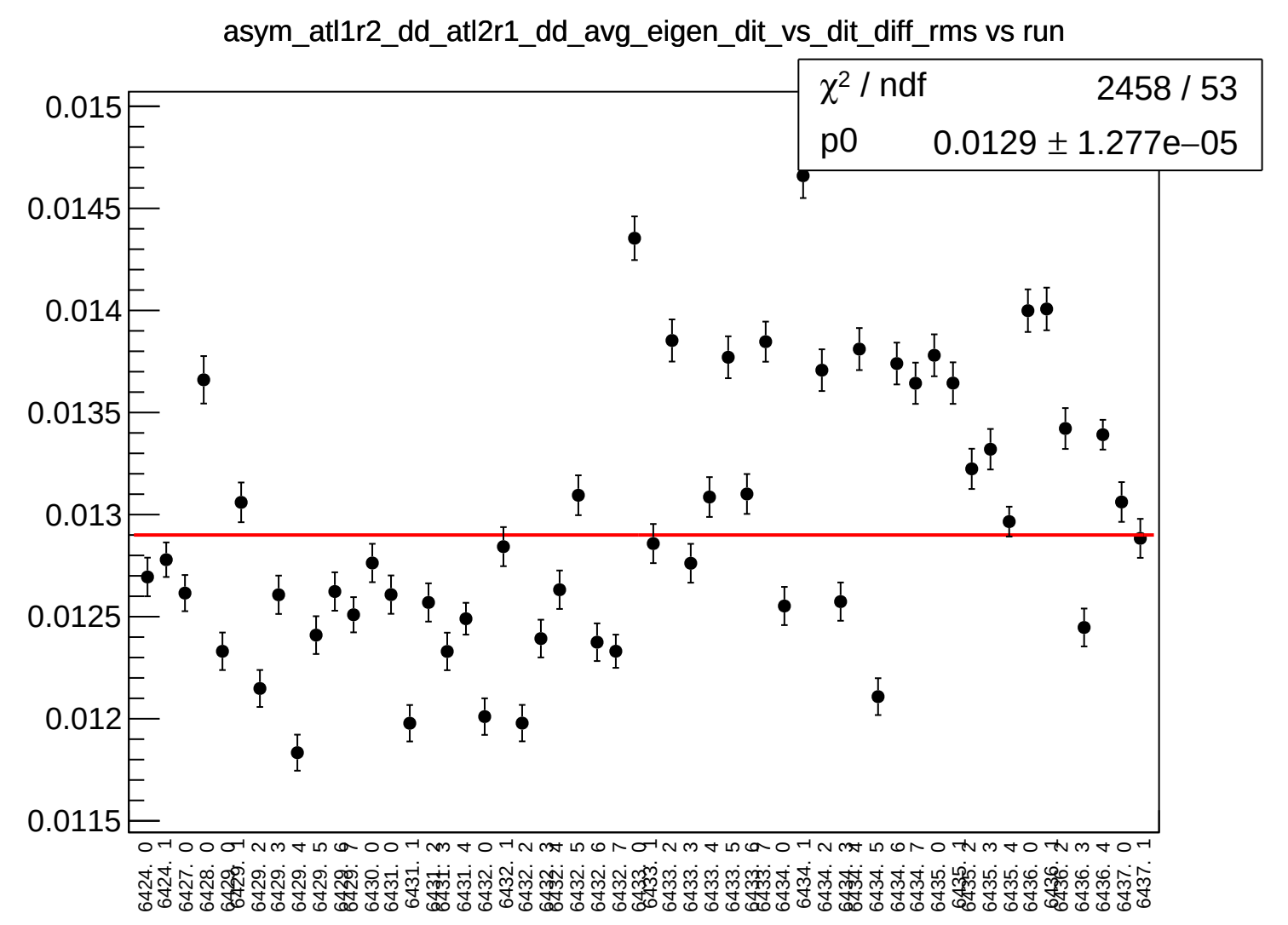

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.267e+05 / 53
p0 21.41 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

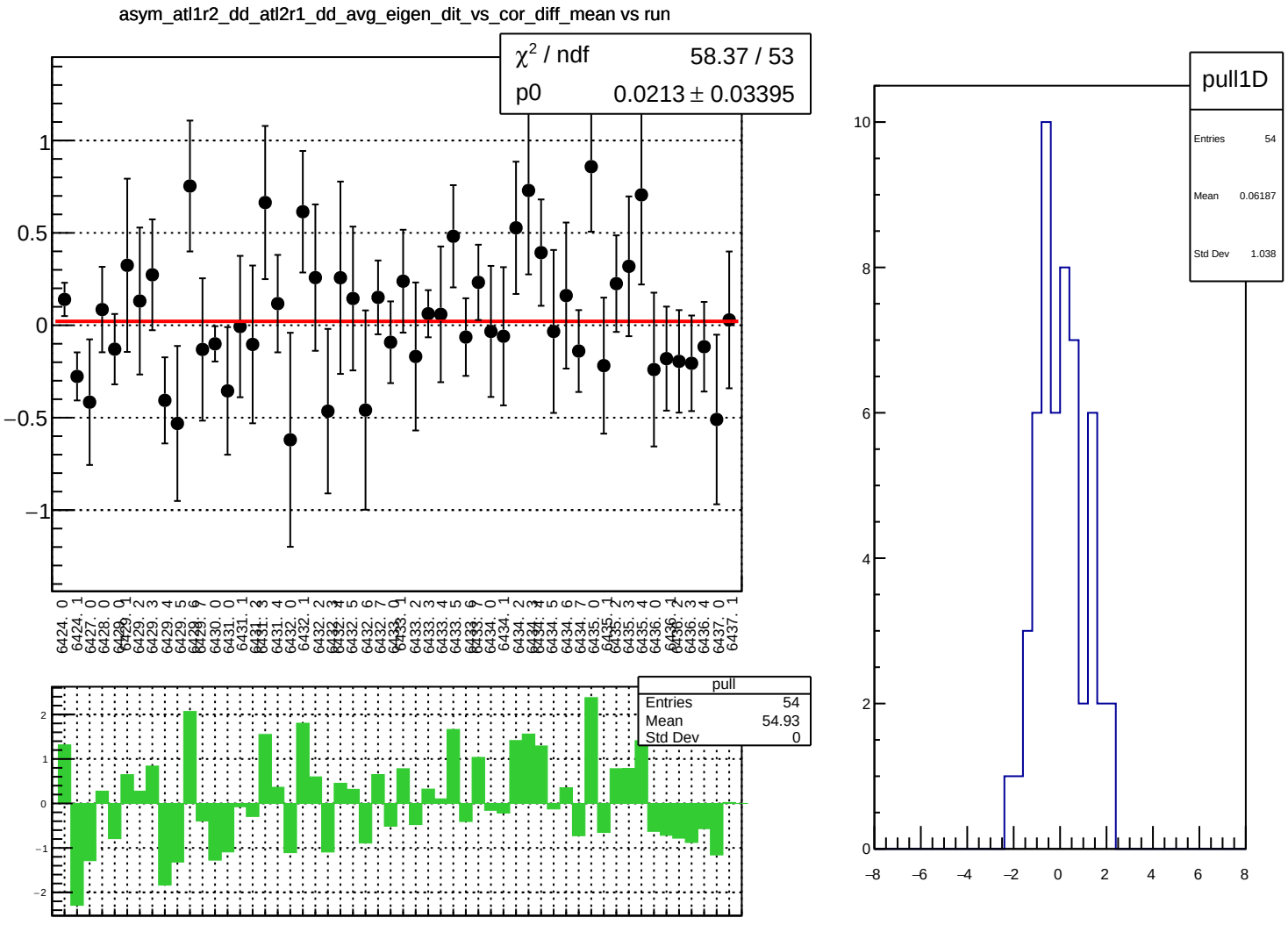

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.02123 ± 0.03394
pull
Entries 54
Mean 54.87
Std Dev 0
pull1D
Entries 54
Mean 0.062
Std Dev 1.038

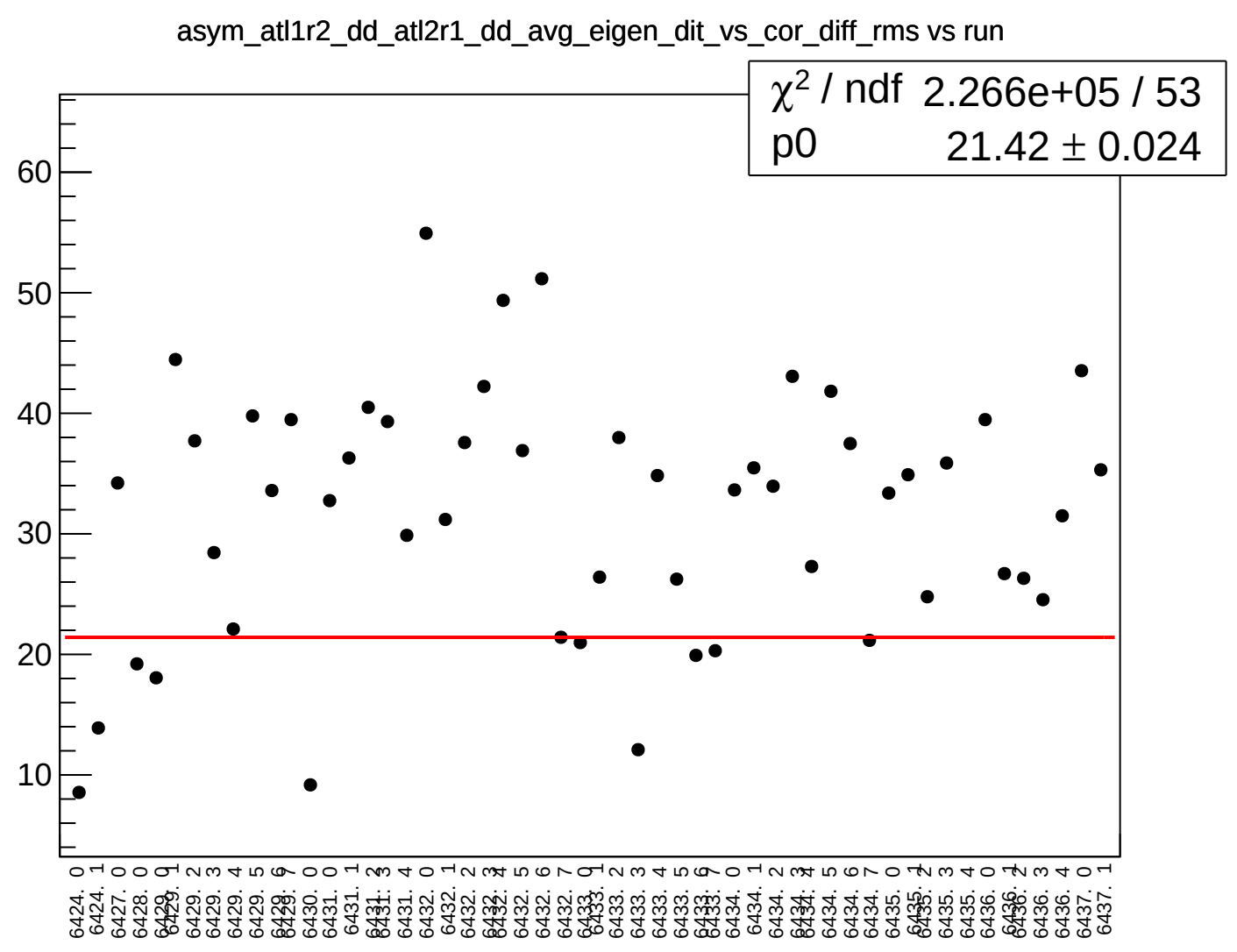

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.267e+05 / 53
p0 21.41 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

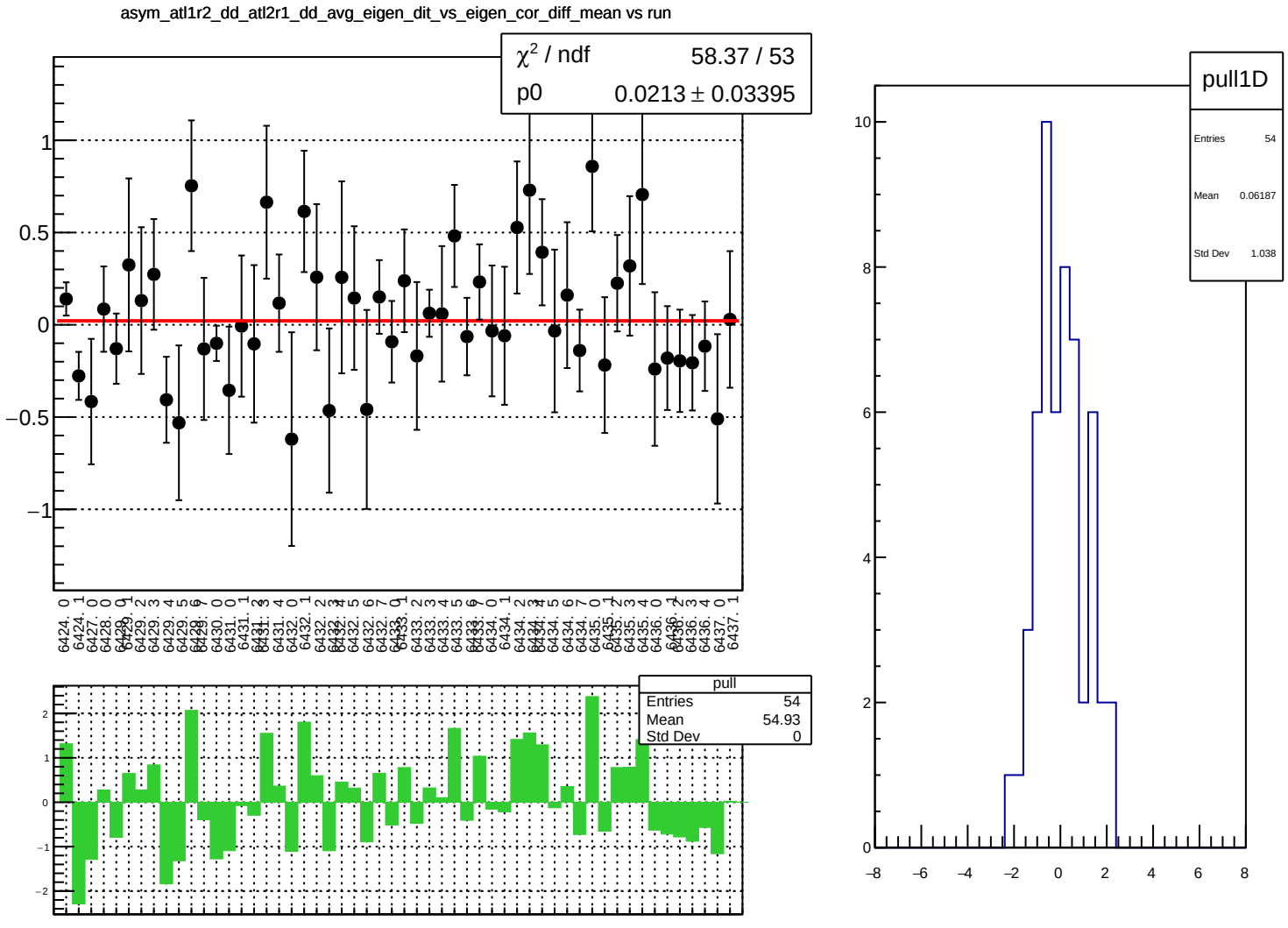

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.69 / 53
p0 1.621e−05 ± 1.806e−05
pull
Entries 54
Mean 40.64
Std Dev 0

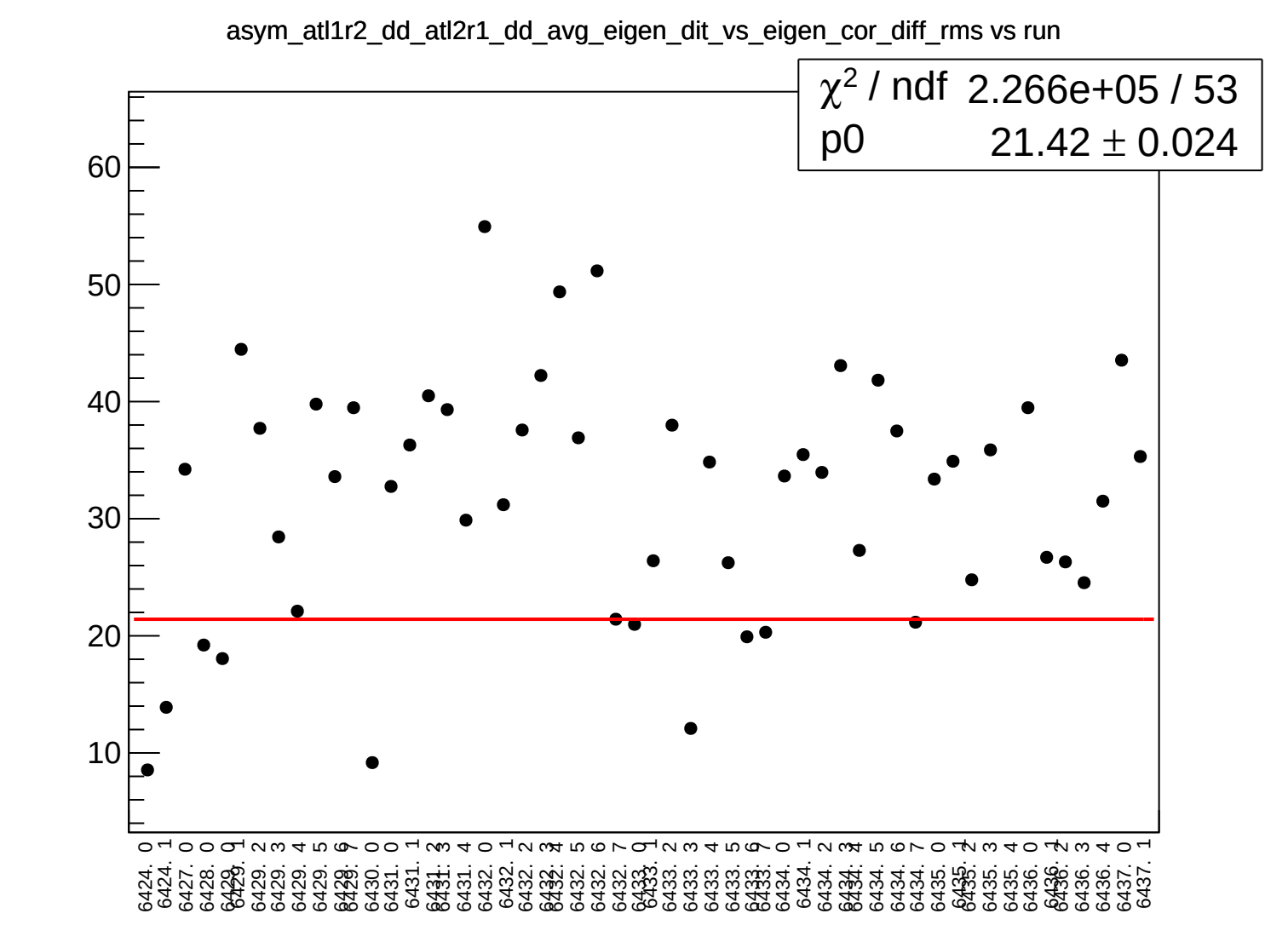

pull1D
Entries 54
Mean 0.01011
Std Dev 1.245


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2458 / 53
p0 0.0129 ± 1.277e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.0213 ± 0.03395
pull
Entries 54
Mean 54.93
Std Dev 0
pull1D
Entries 54
Mean 0.06187
Std Dev 1.038


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.266e+05 / 53
p0 21.42 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.37 / 53
p0 0.0213 ± 0.03395
pull
Entries 54
Mean 54.93
Std Dev 0
pull1D
Entries 54
Mean 0.06187
Std Dev 1.038


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.266e+05 / 53
p0 21.42 ± 0.024
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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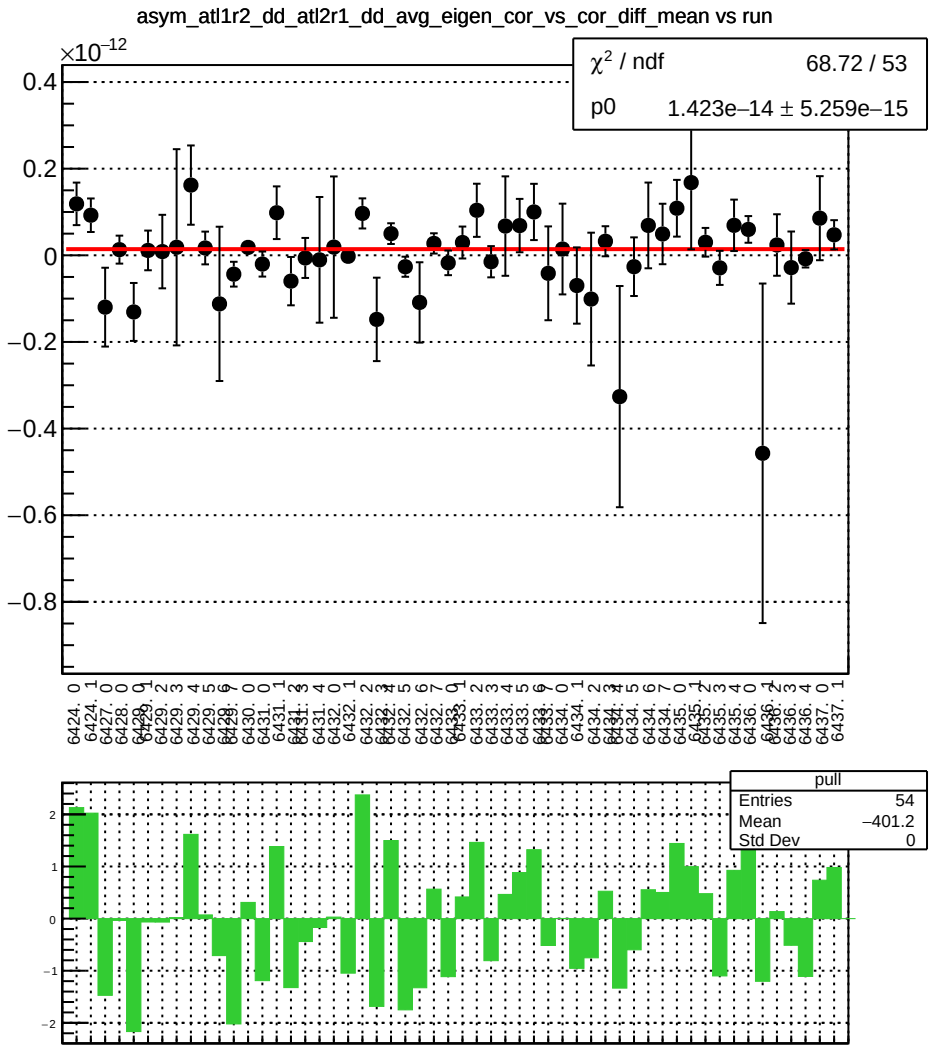
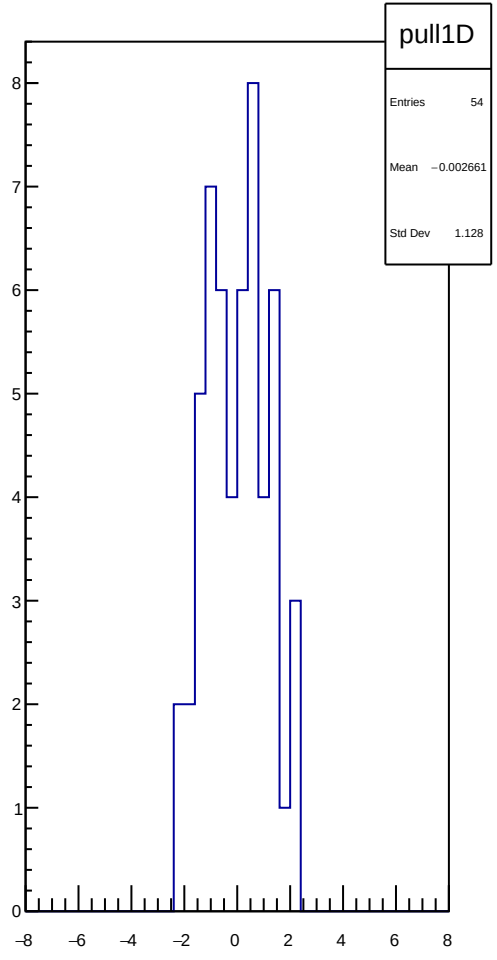
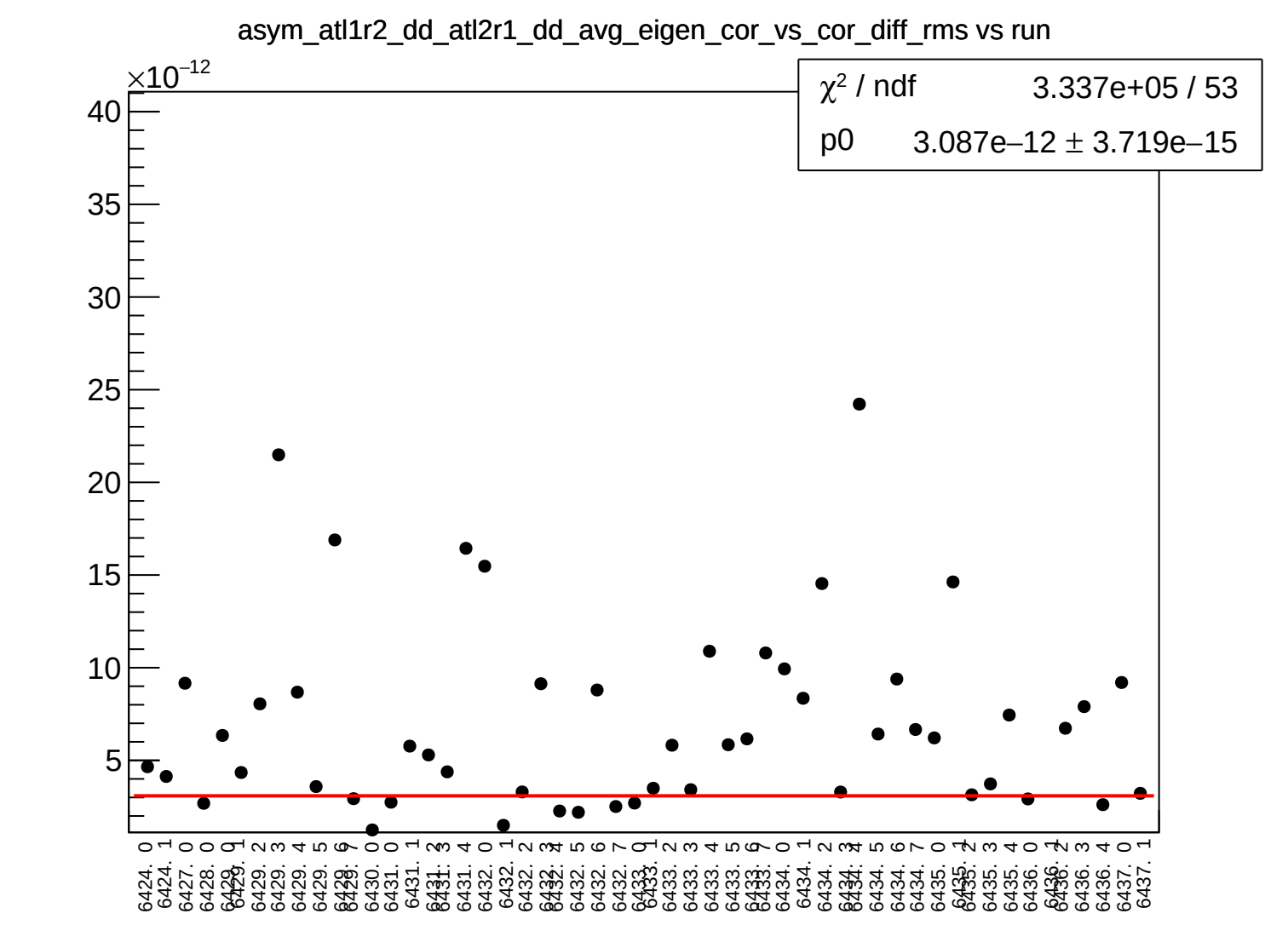
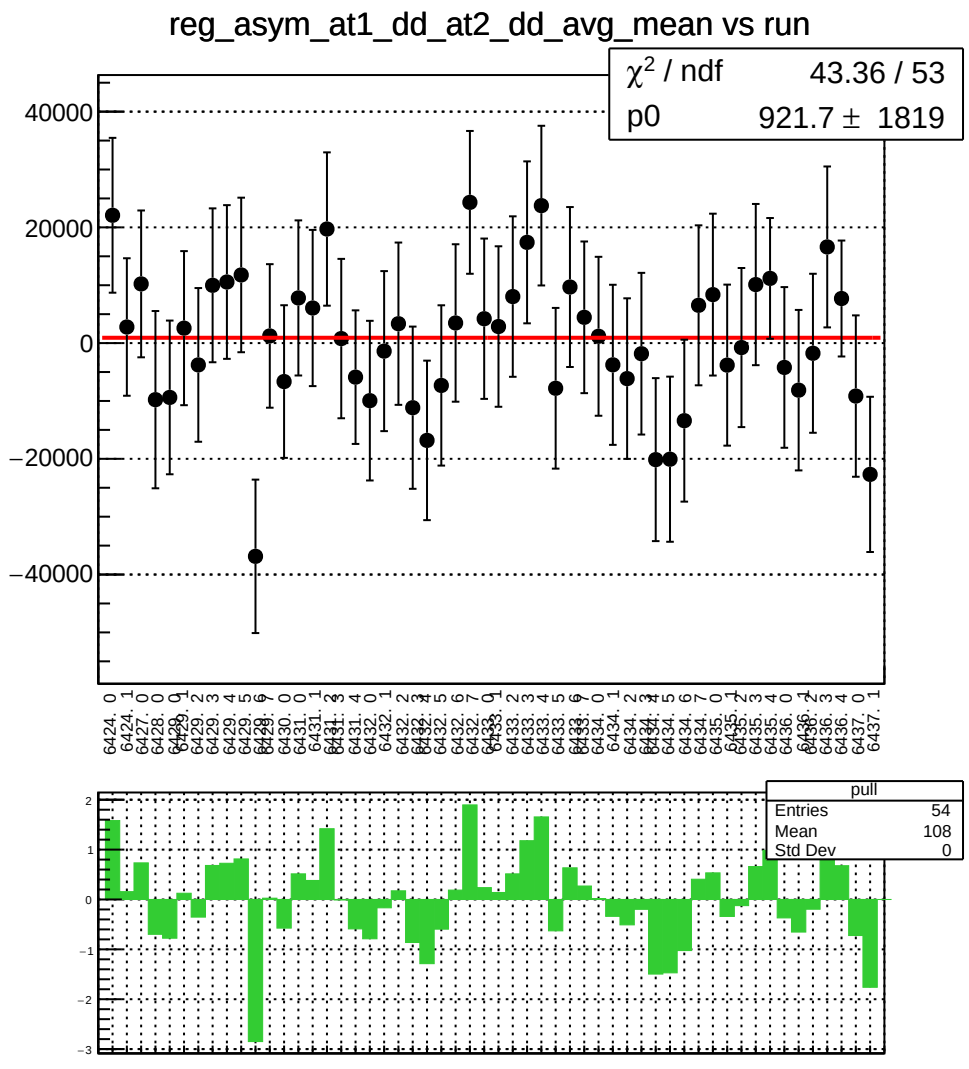
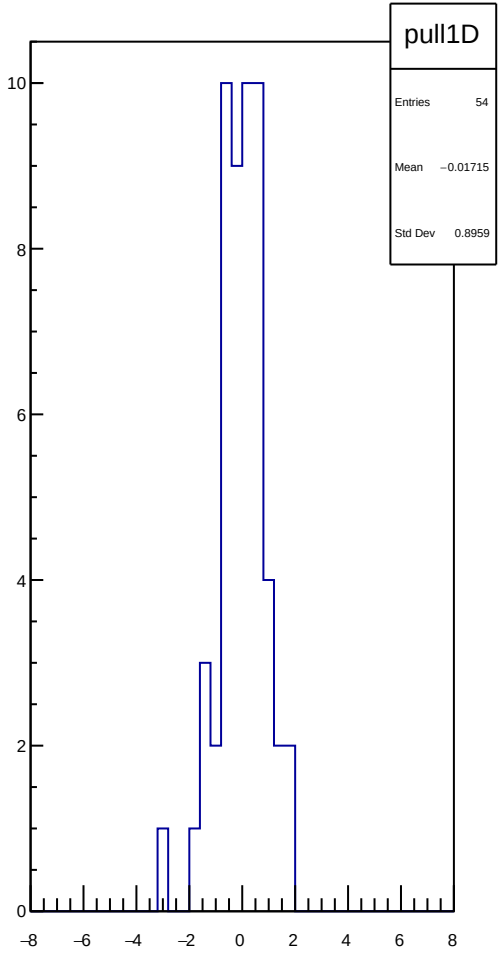
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

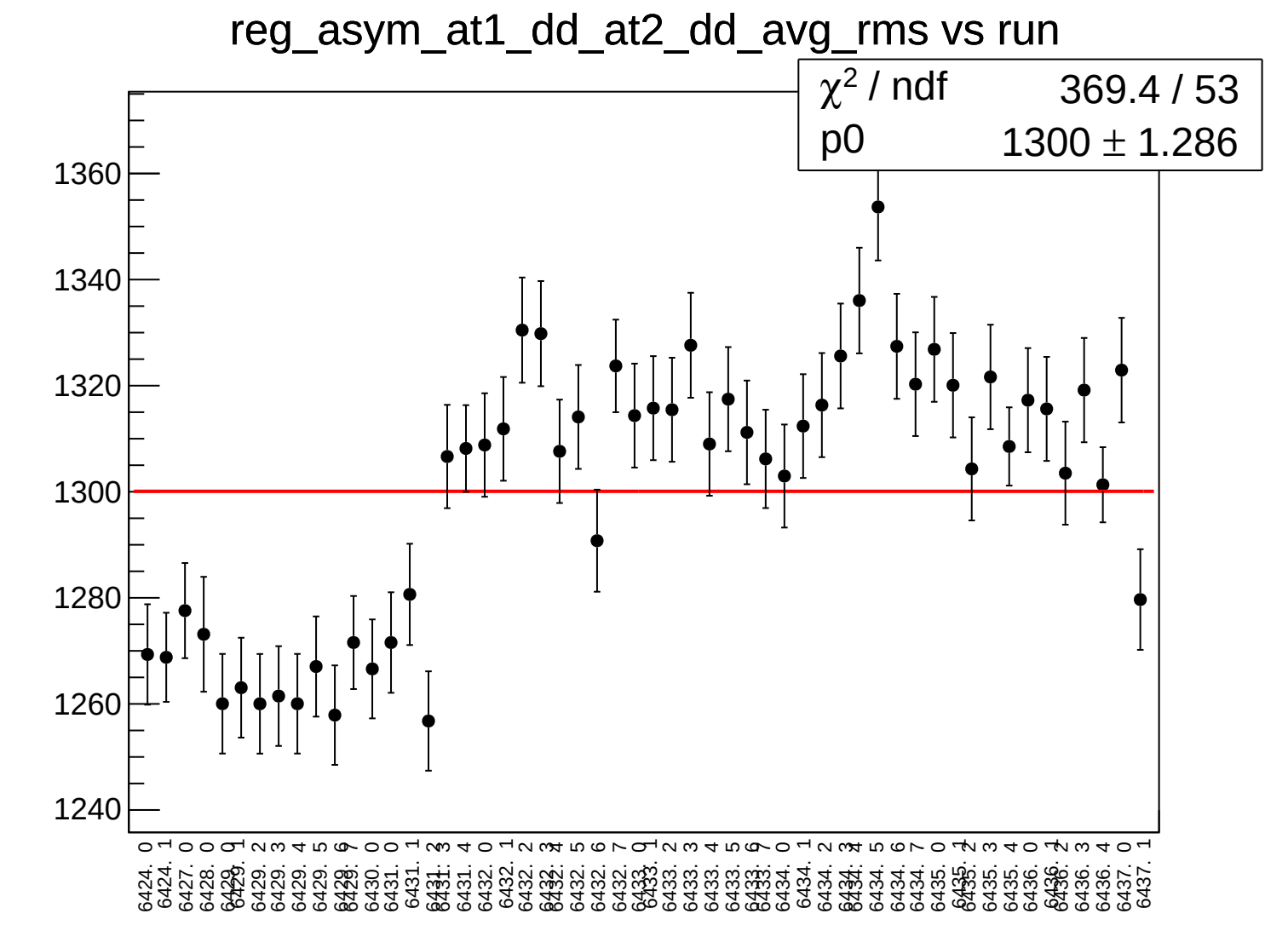

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.72 / 53
p0 1.423e−14 ± 5.259e−15
pull
Entries 54
Mean −401.2
Std Dev 0

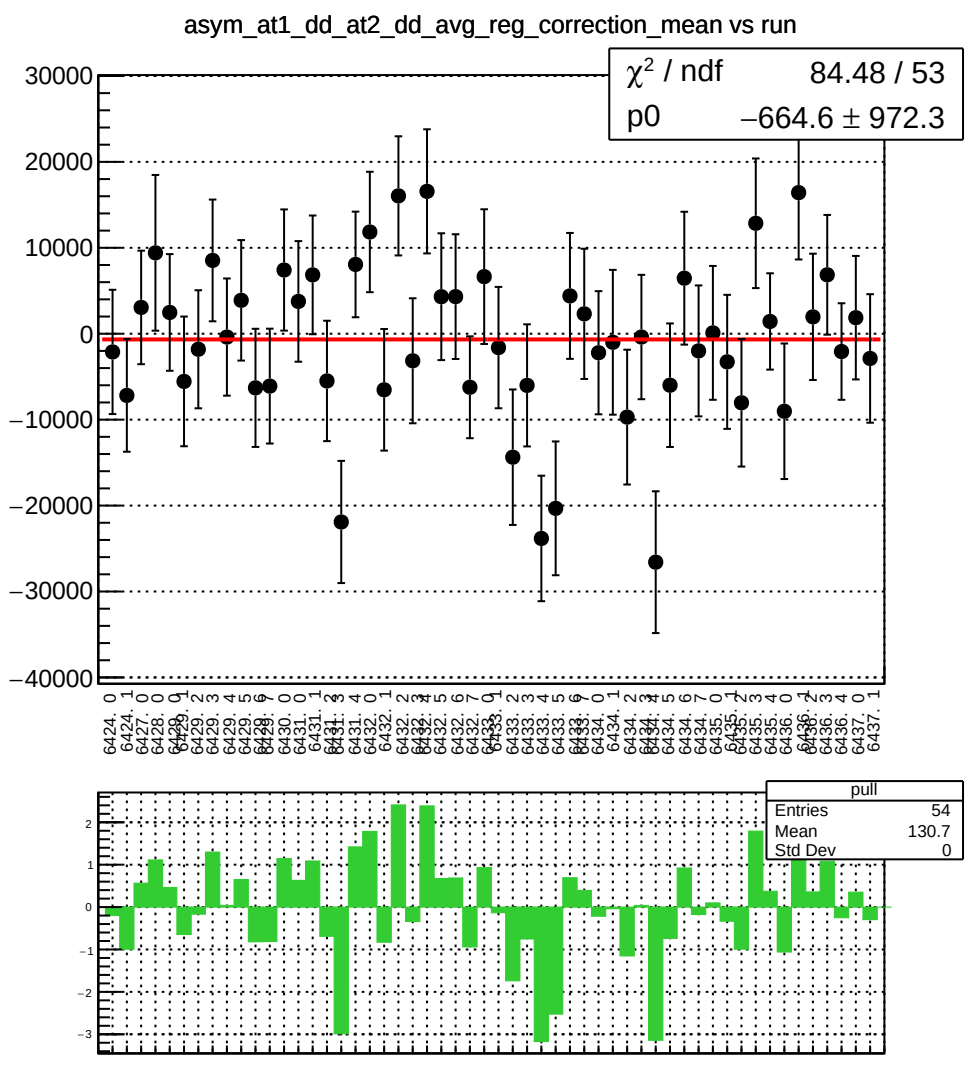

pull1D
Entries 54
Mean −0.002661
Std Dev 1.128

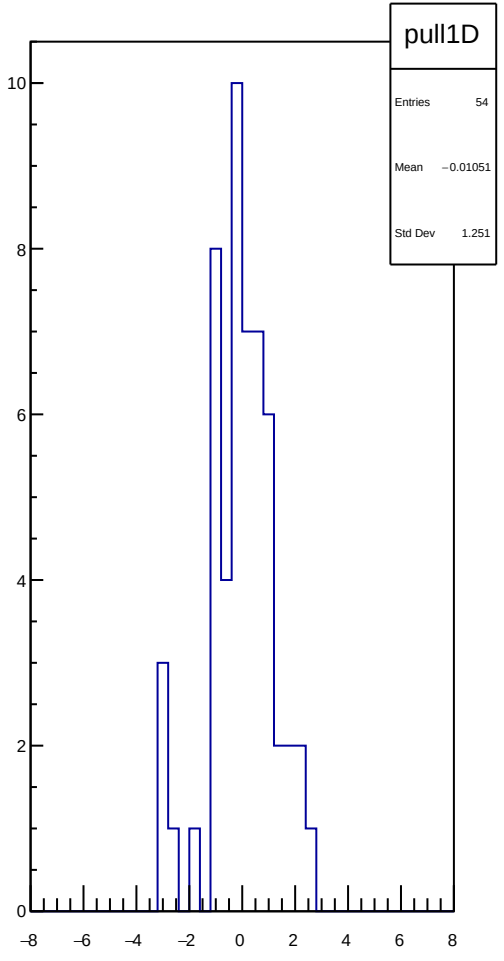

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.337e+05 / 53
p0 3.087e−12 ± 3.719e−15
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

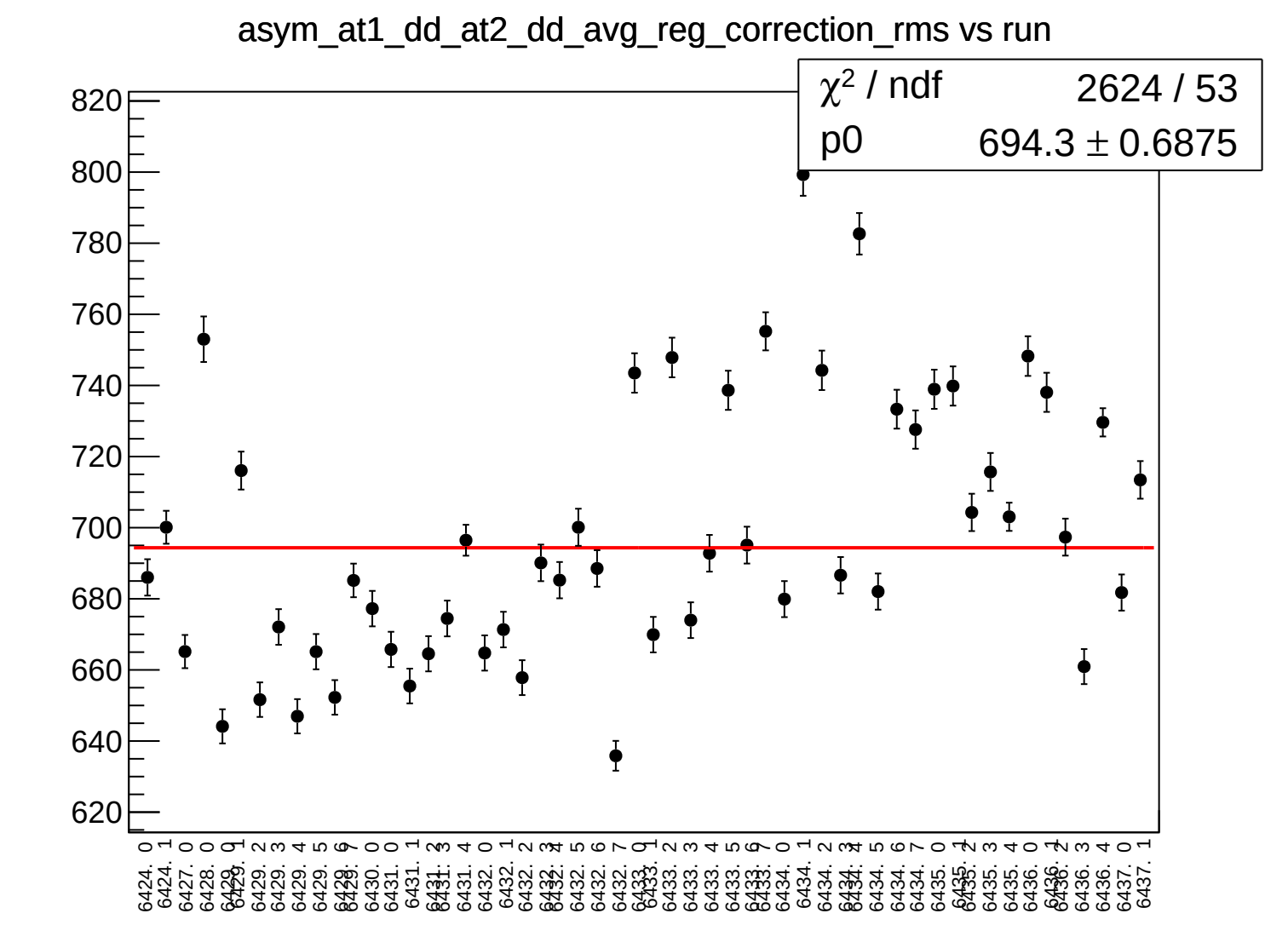

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 43.36 / 53
p0 921.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
2
1
0
−1
−2
−3

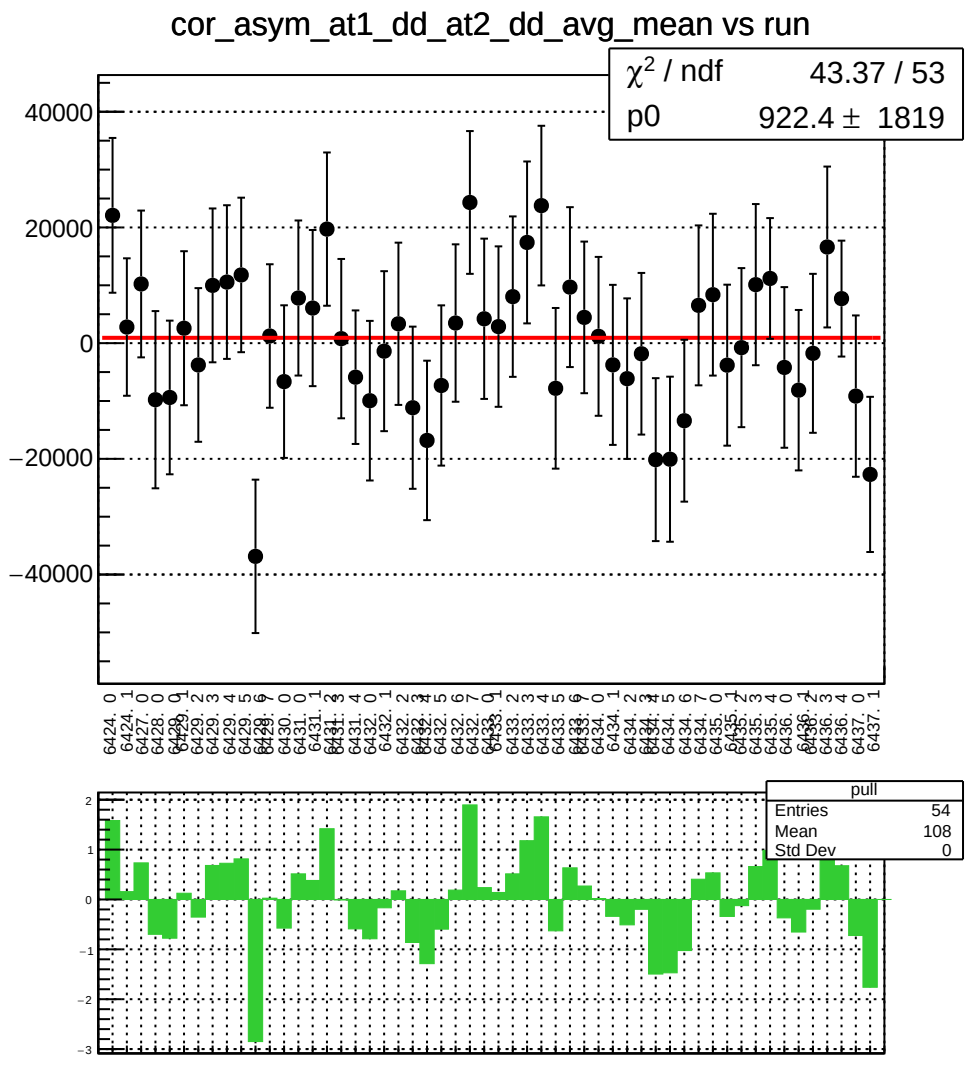

pull1D
Entries 54
Mean −0.01715
Std Dev 0.8959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

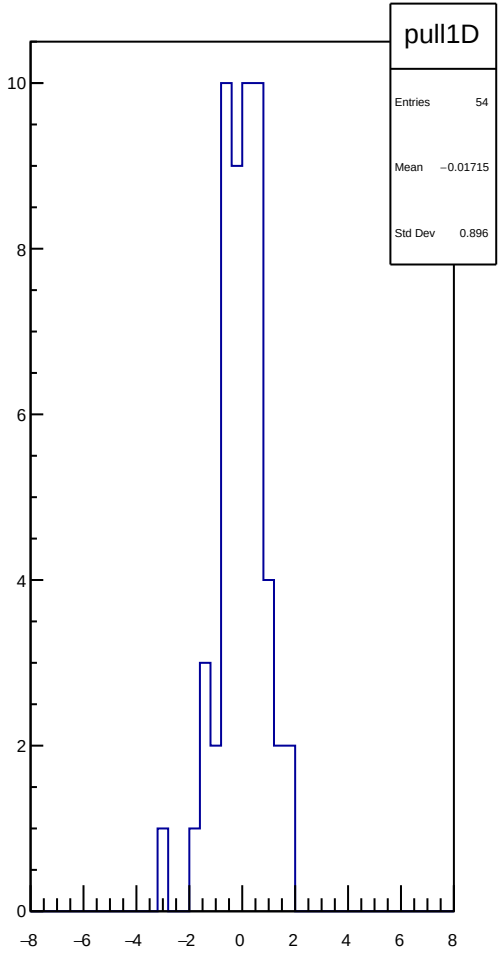

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

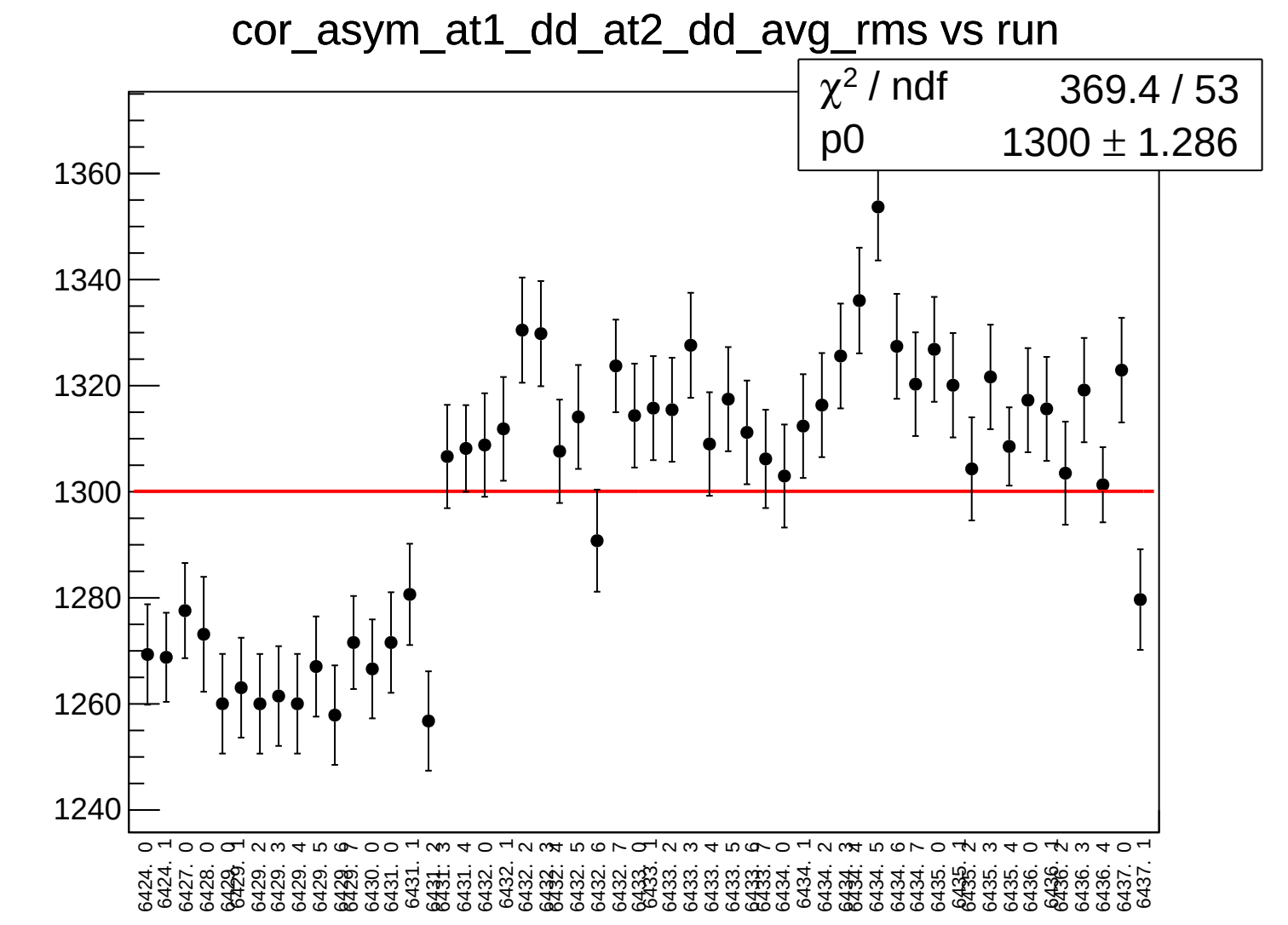

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 84.48 / 53
p0 −664.6 ± 972.3
pull
Entries 54
Mean 130.7
Std Dev 0

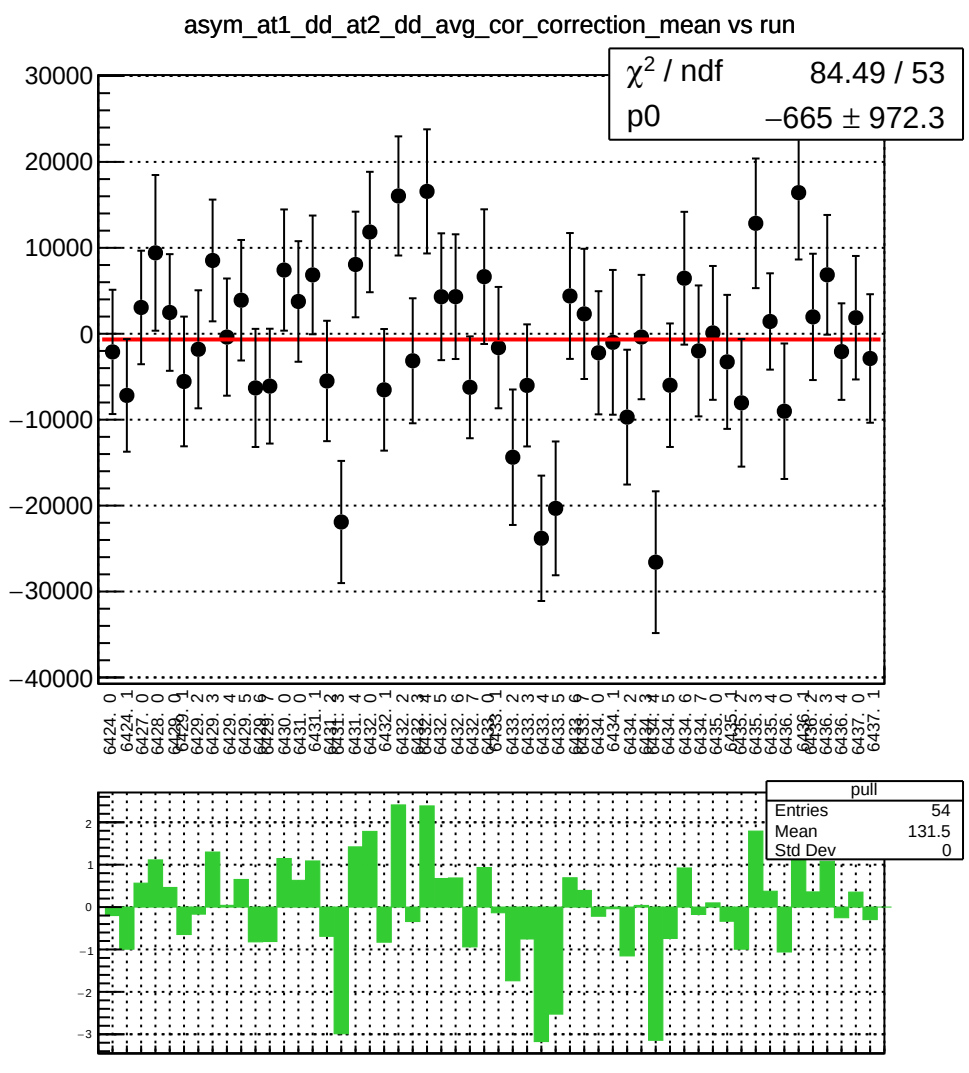

pull1D
Entries 54
Mean −0.01051
Std Dev 1.251

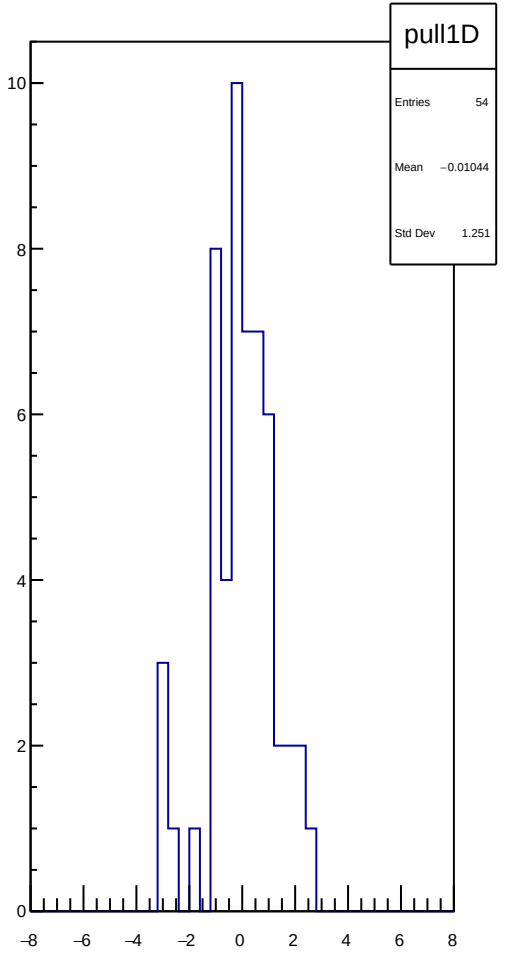

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

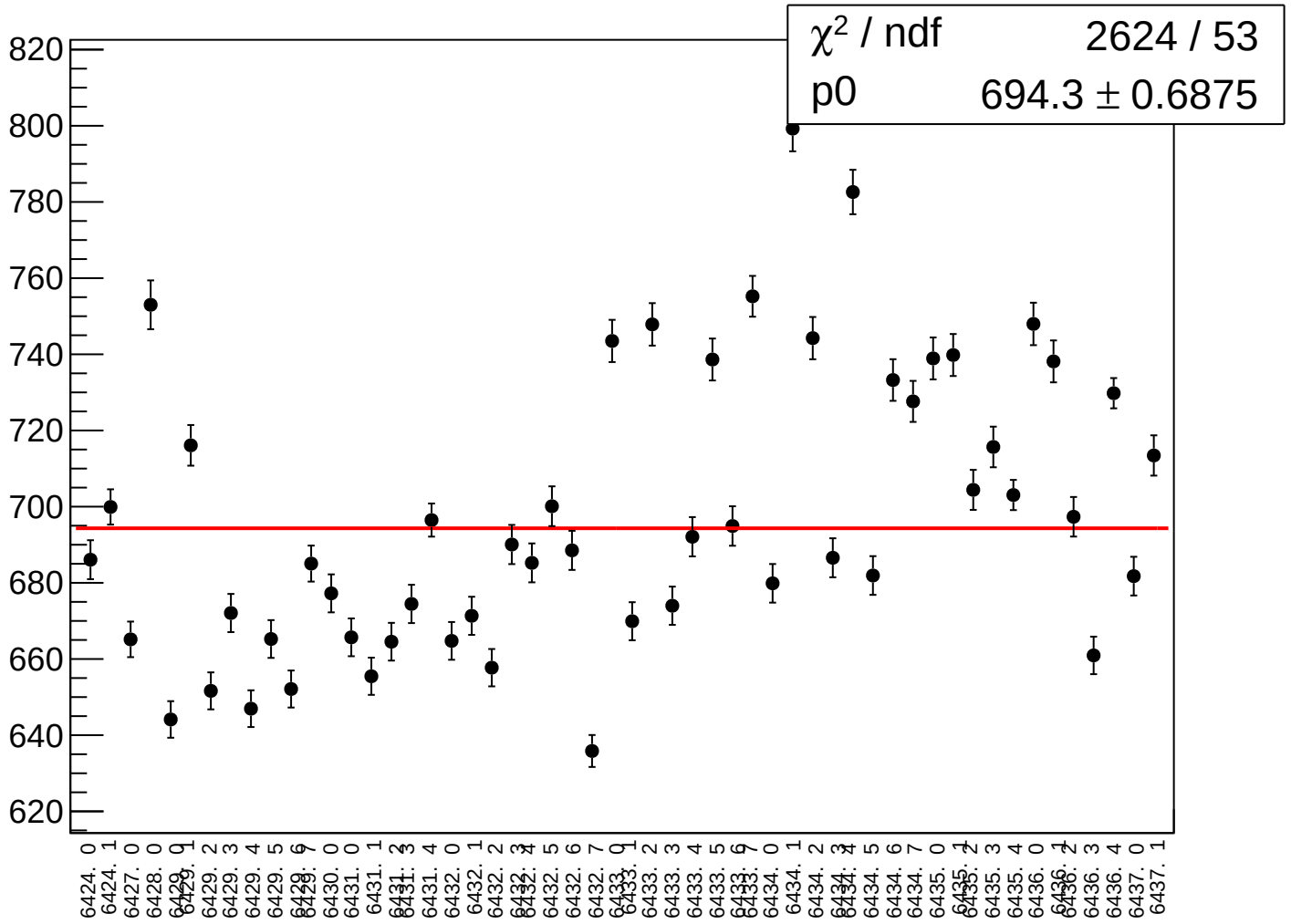

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 43.37 / 53
p0 922.4 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
2
1
0
−1
−2
−3

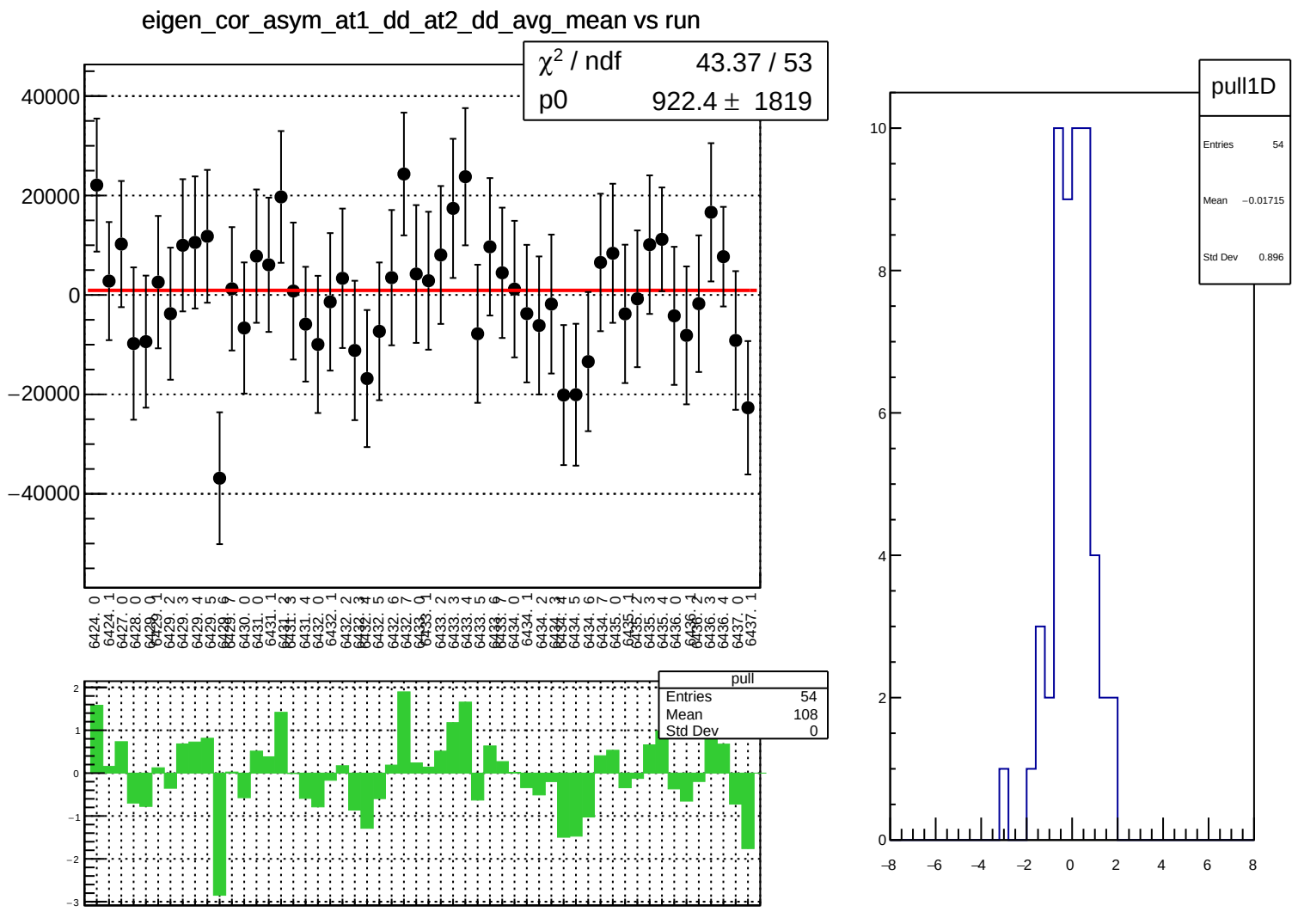

pull1D
Entries 54
Mean −0.01715
Std Dev 0.896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

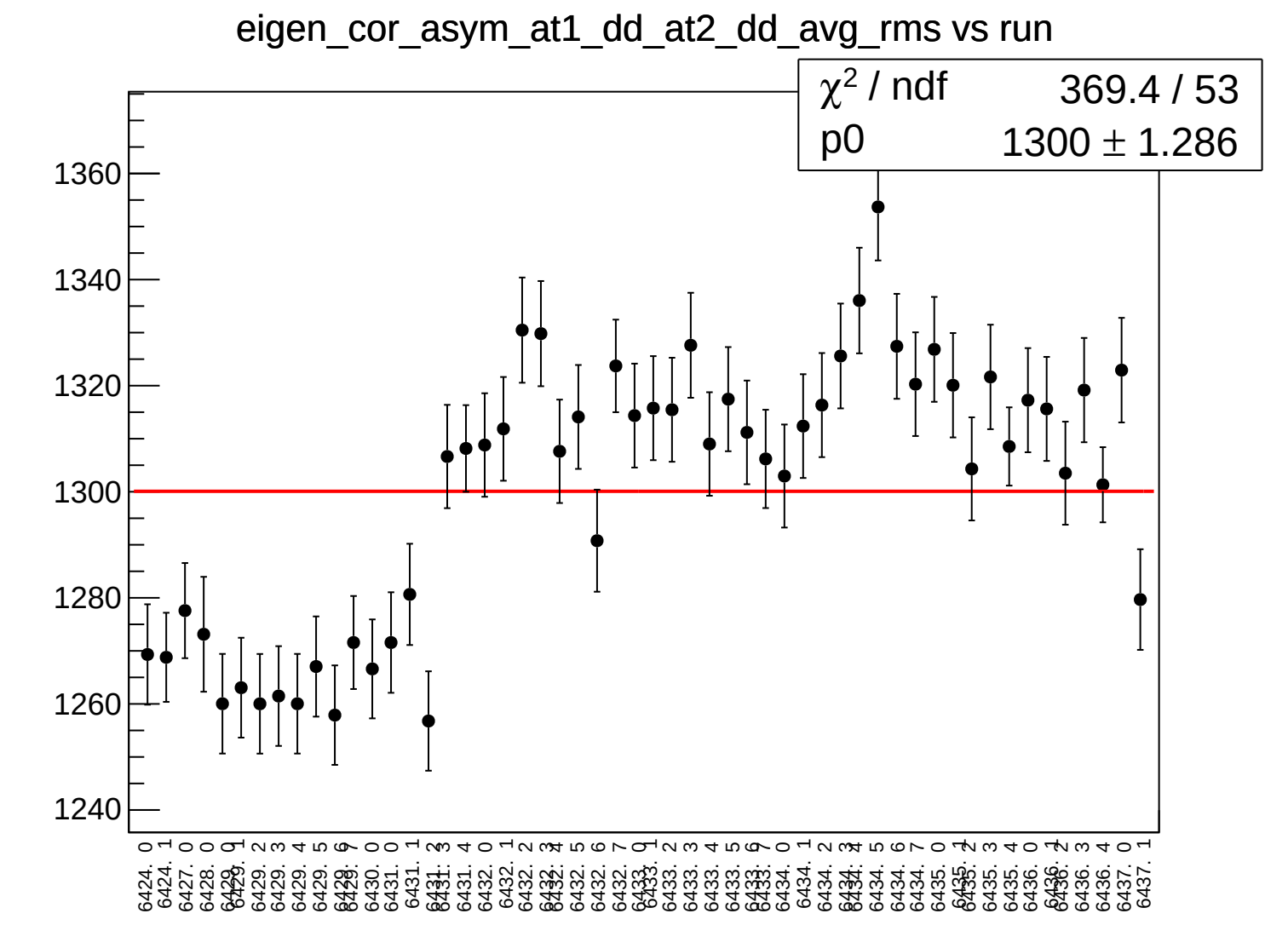

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

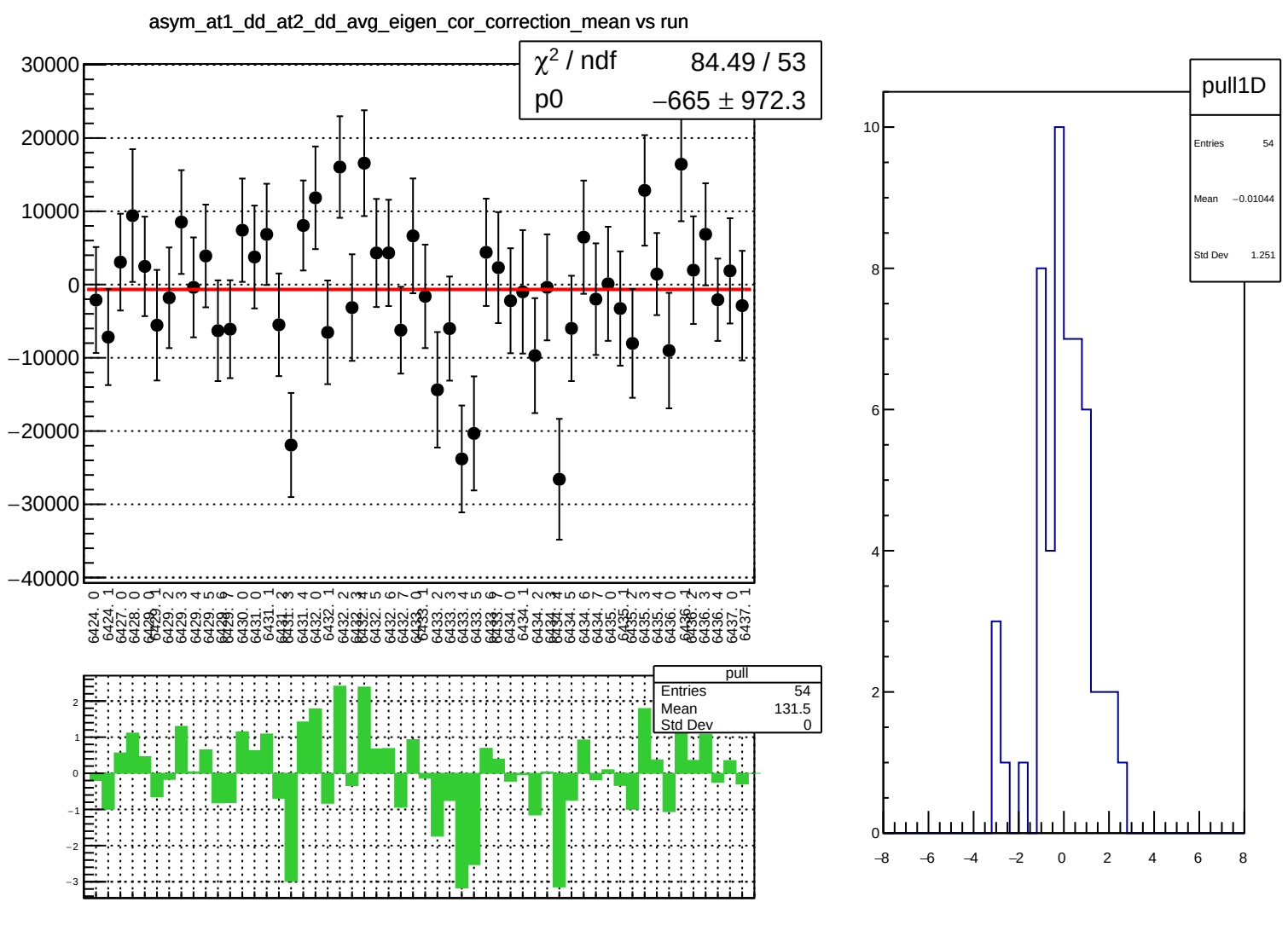

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 84.49 / 53
p0 −665 ± 972.3
pull
Entries 54
Mean 131.5
Std Dev 0

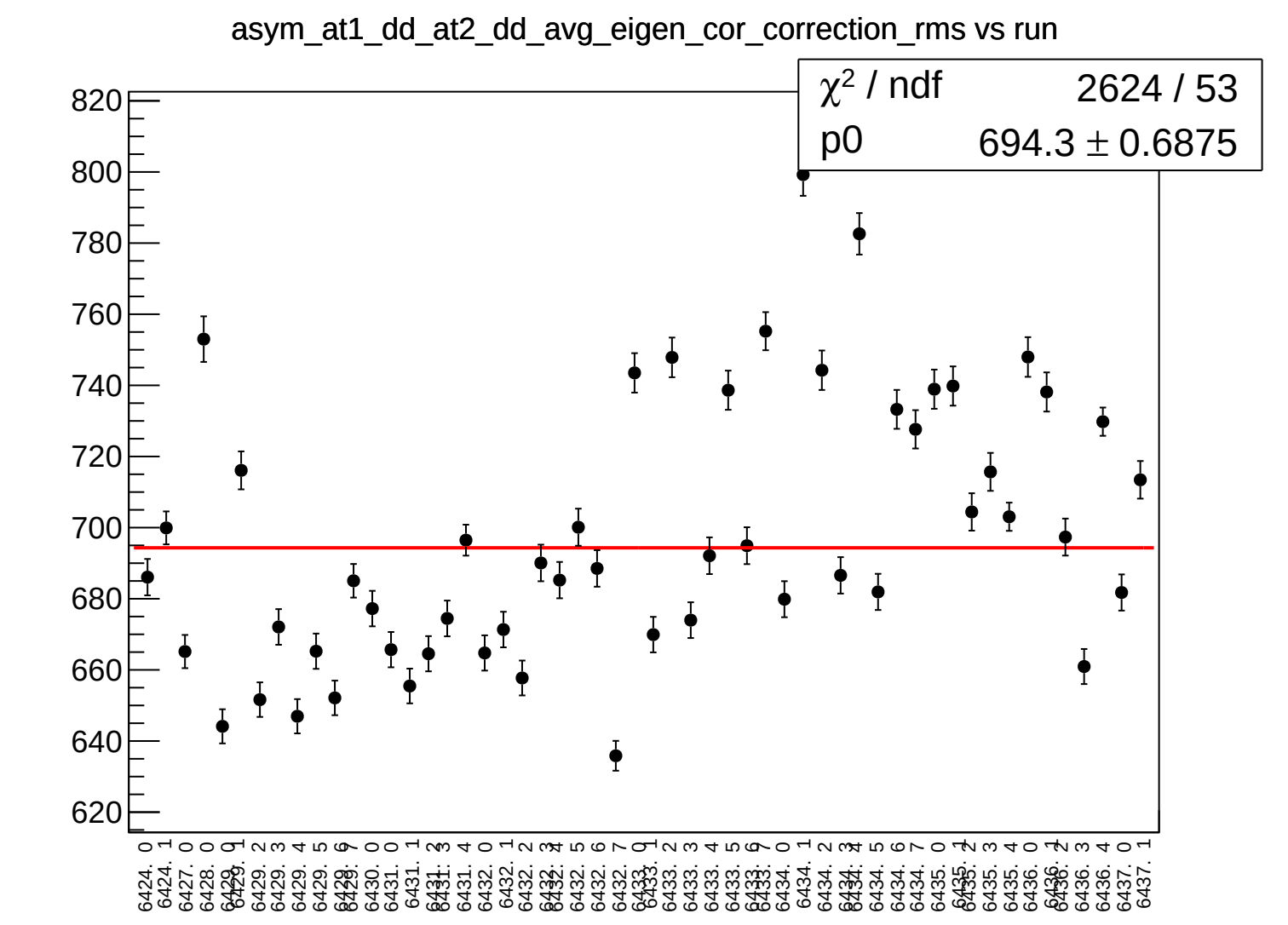

pull1D
Entries 54
Mean −0.01044
Std Dev 1.251

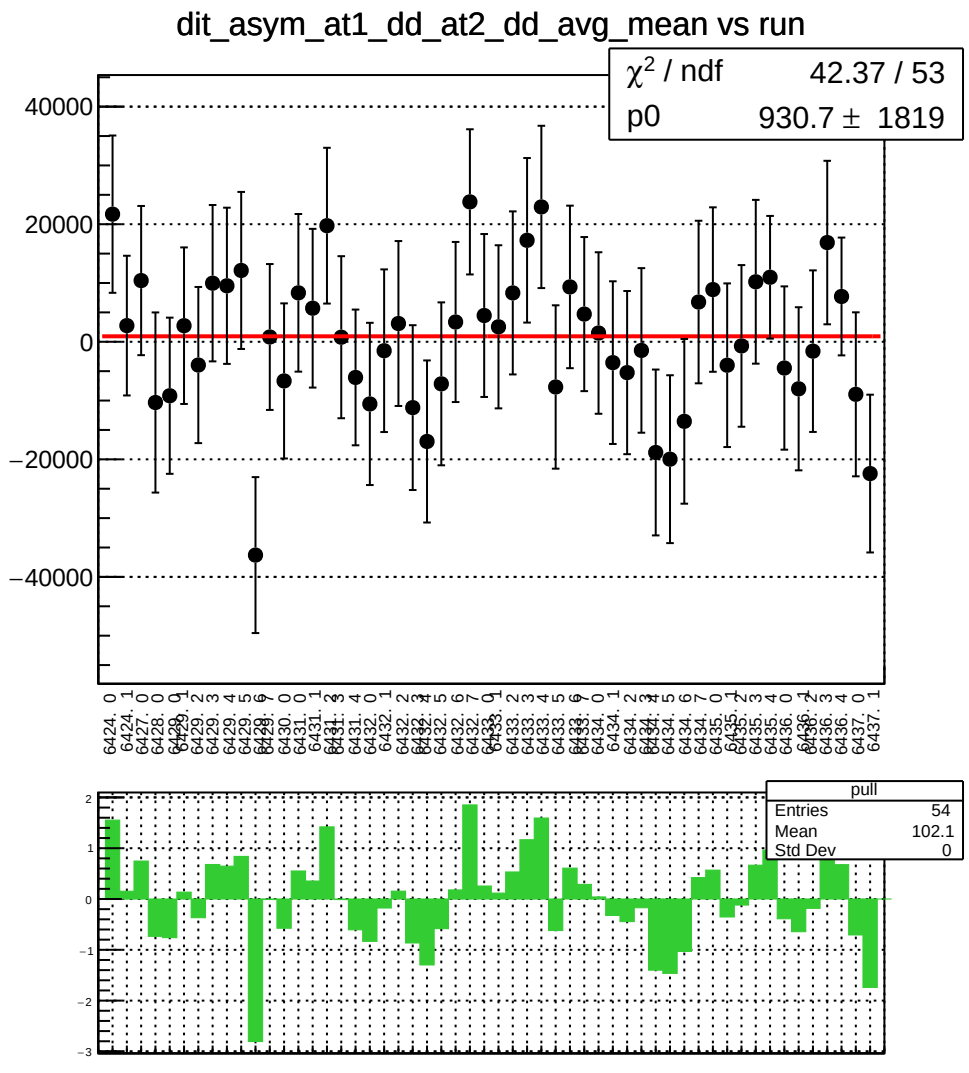

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

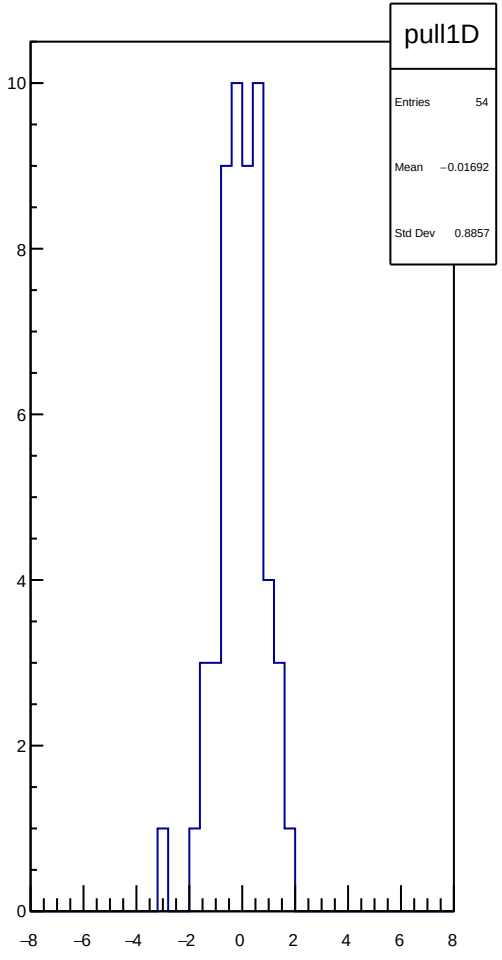

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 43.37 / 53
p0 922.4 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 108
Std Dev 0
pull1D
Entries 54
Mean −0.01715
Std Dev 0.896

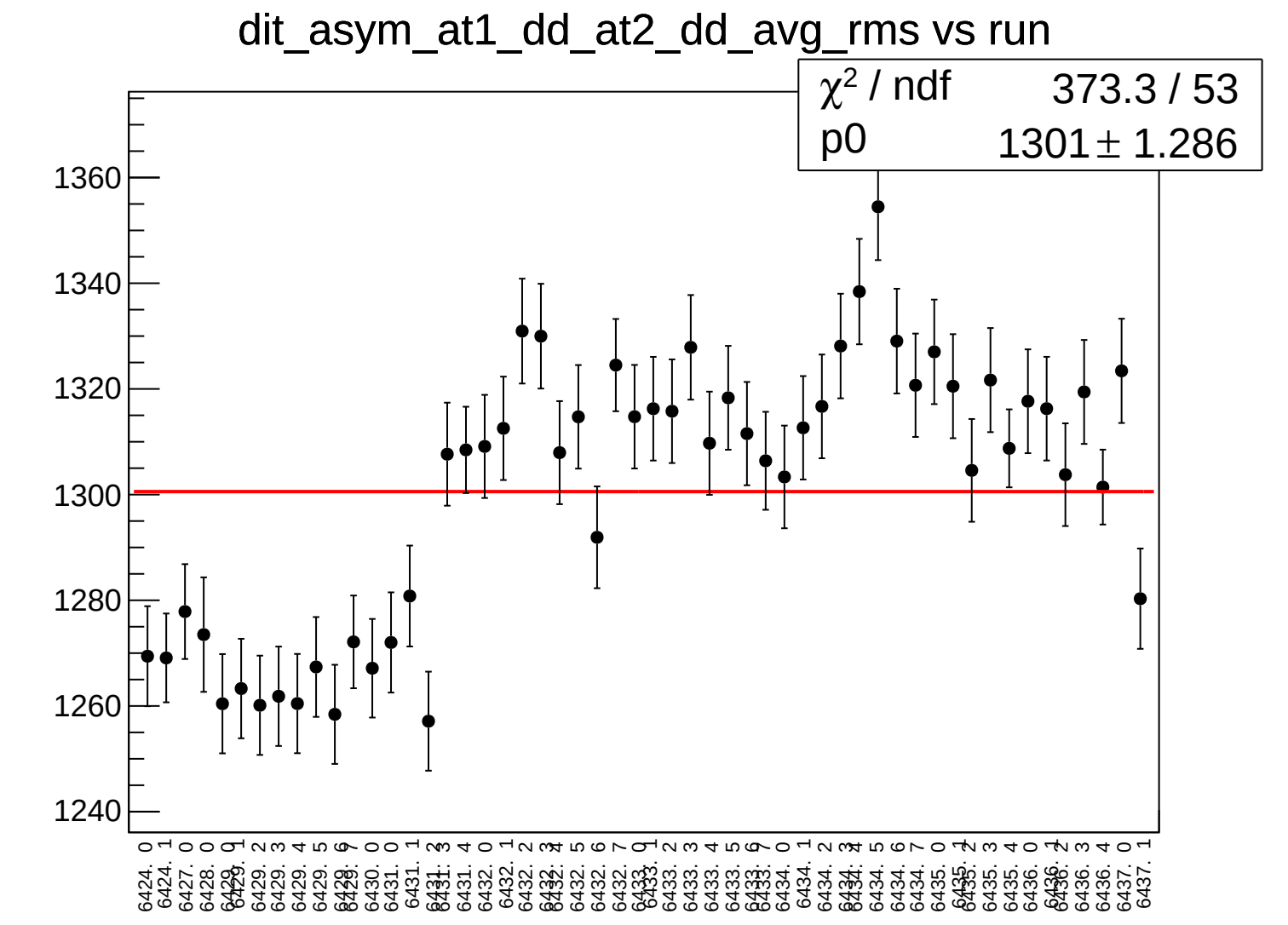

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 369.4 / 53
p0 1300 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

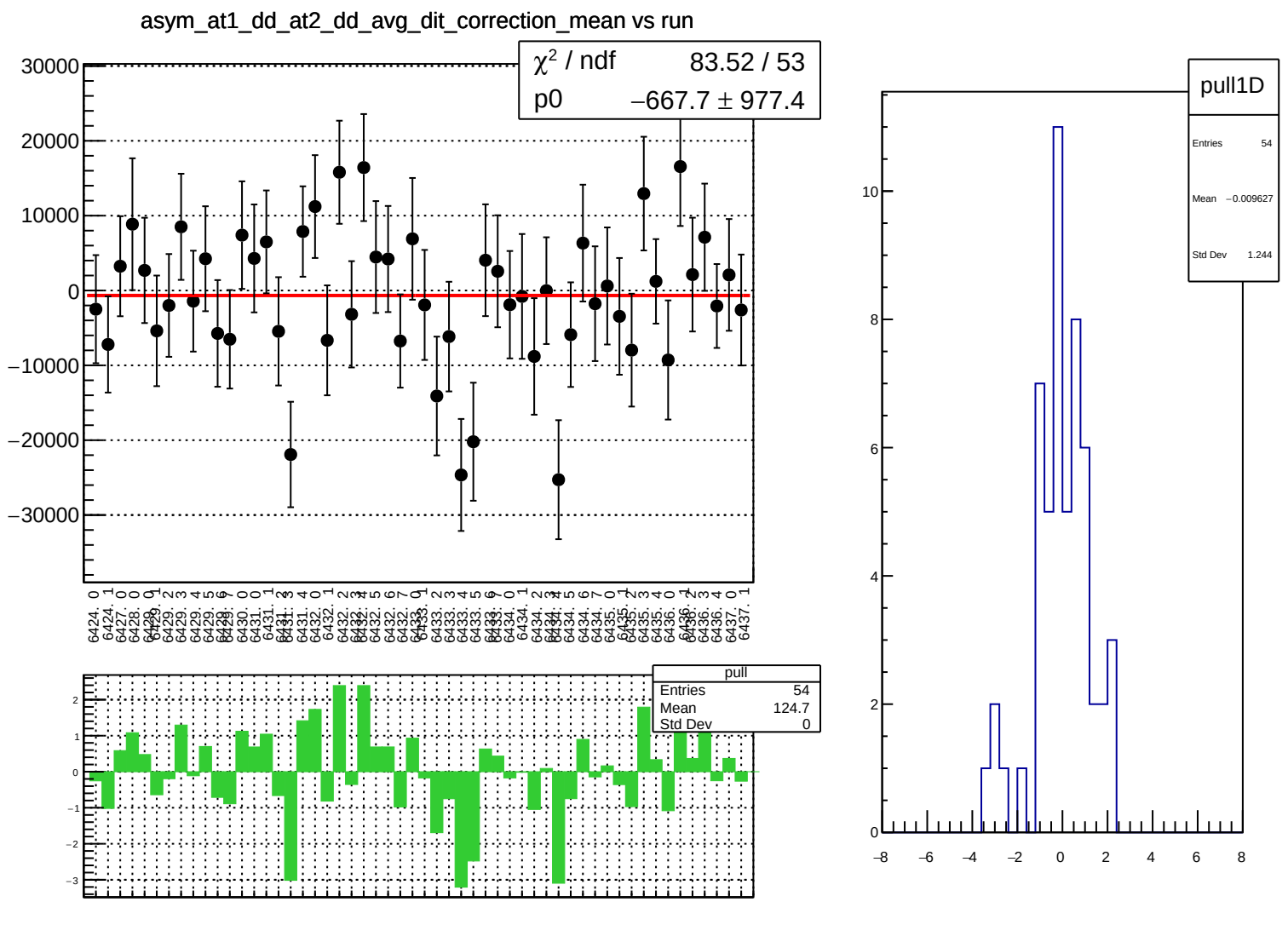

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.49 / 53
p0 −665 ± 972.3
pull
Entries 54
Mean 131.5
Std Dev 0
pull1D
Entries 54
Mean −0.01044
Std Dev 1.251

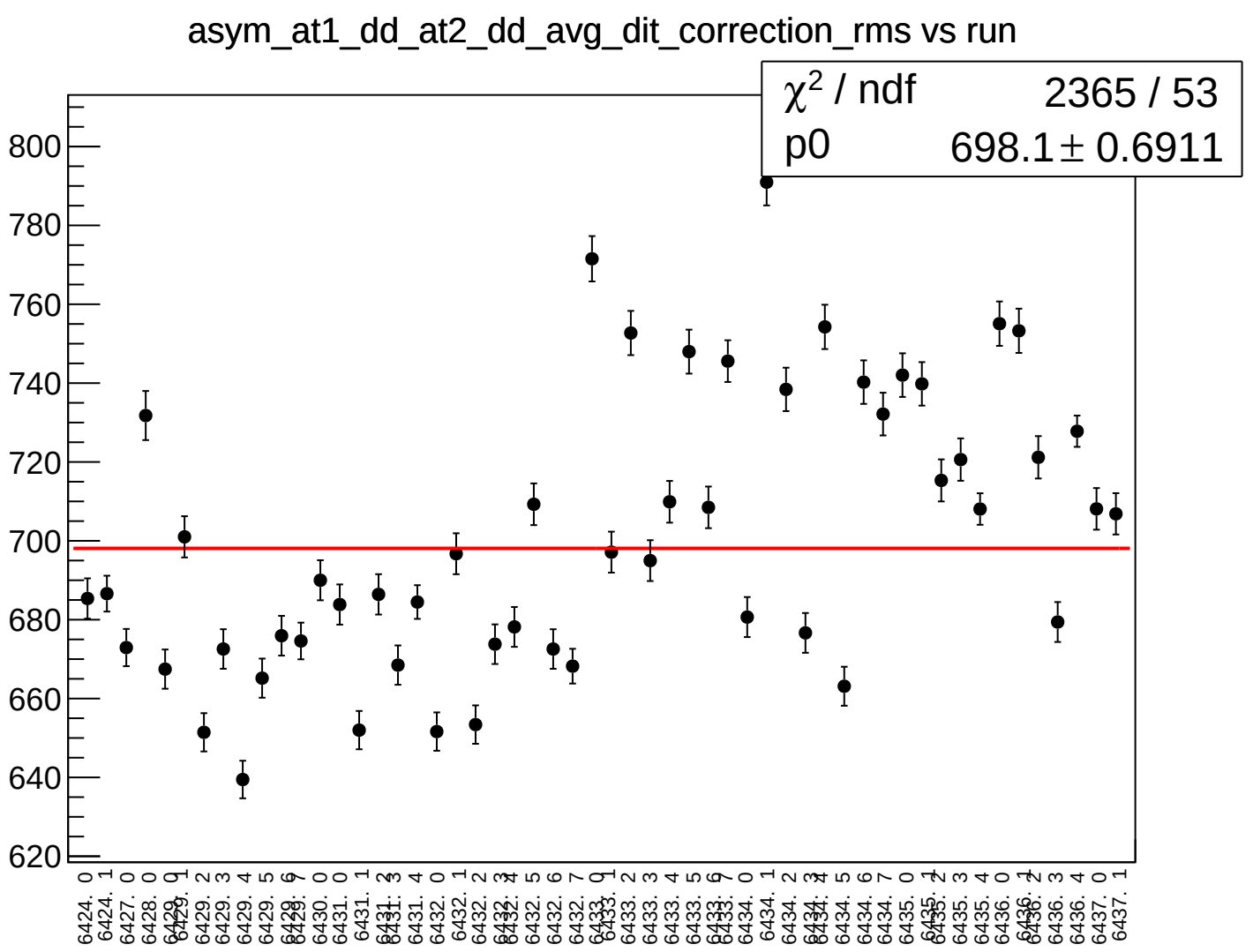

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2624 / 53
p0 694.3 ± 0.6875
820
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

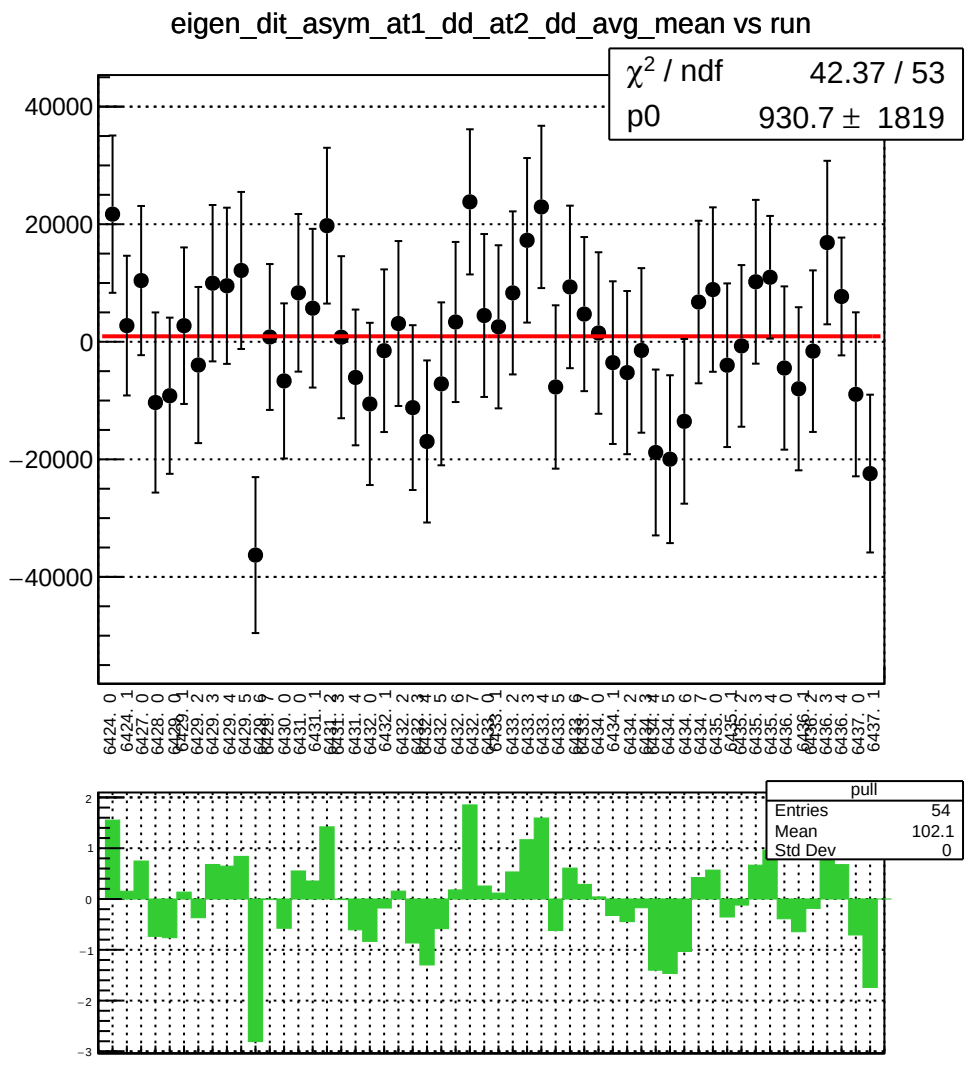

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 42.37 / 53
p0 930.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 102.1
Std Dev 0
2
1
0
−1
−2
−3

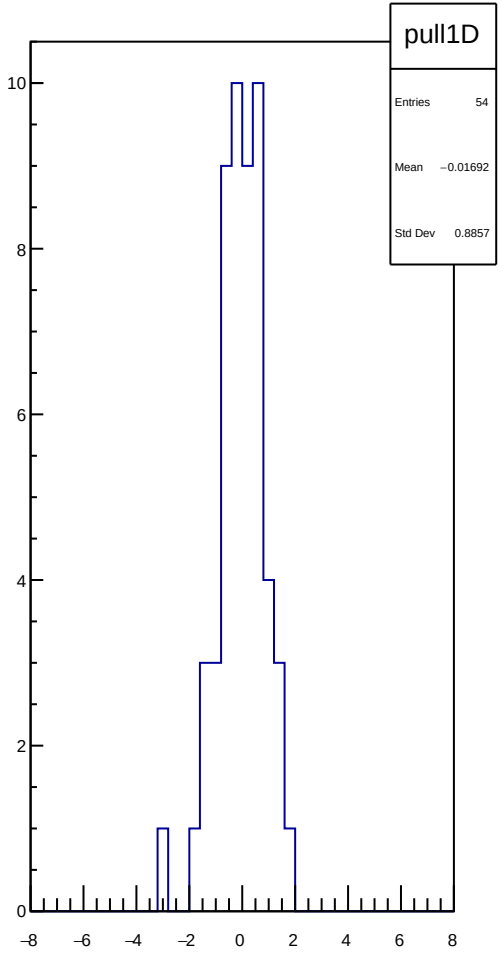

pull1D
Entries 54
Mean −0.01692
Std Dev 0.8857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

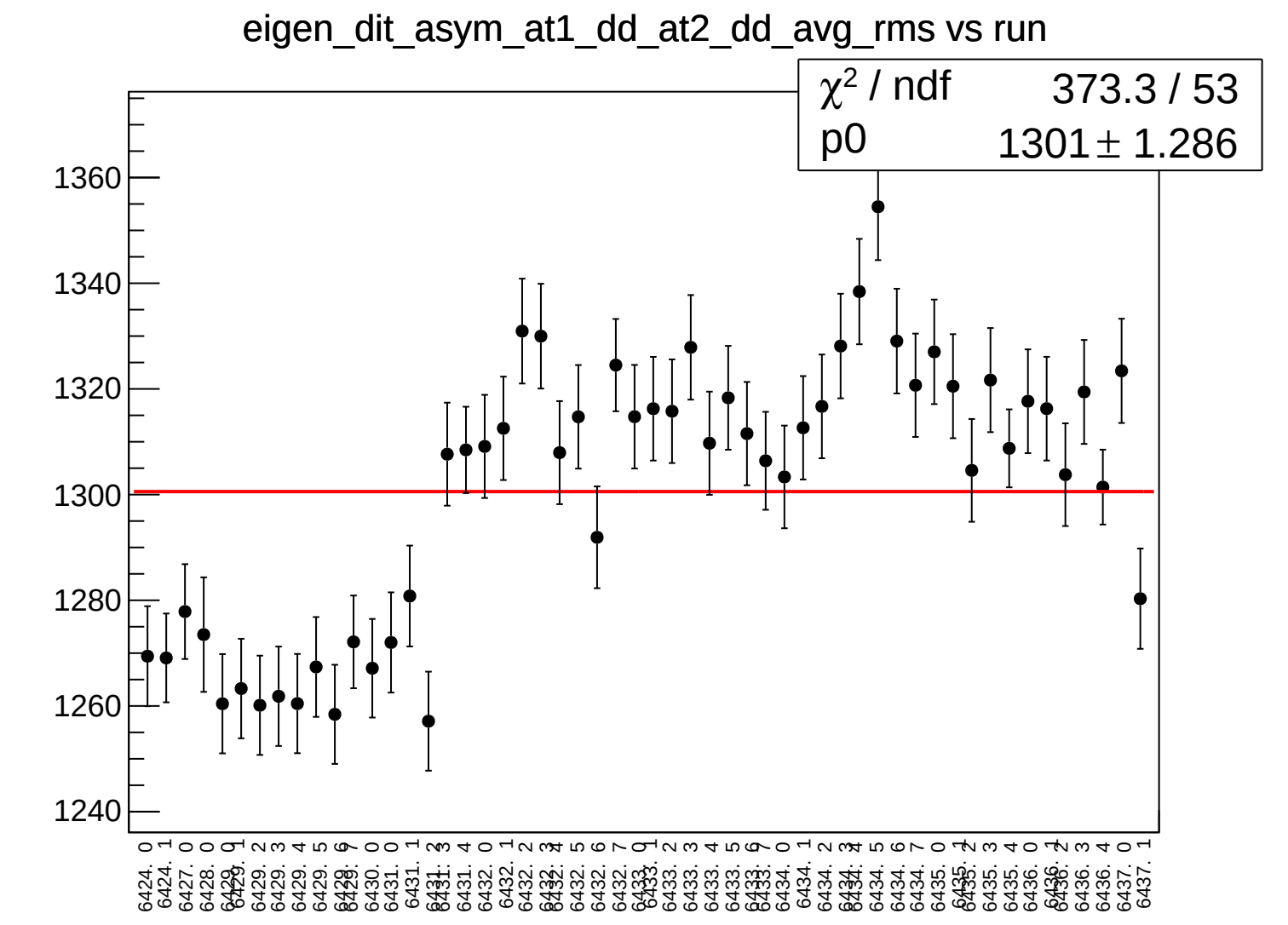

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 373.3 / 53
p0 1301 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

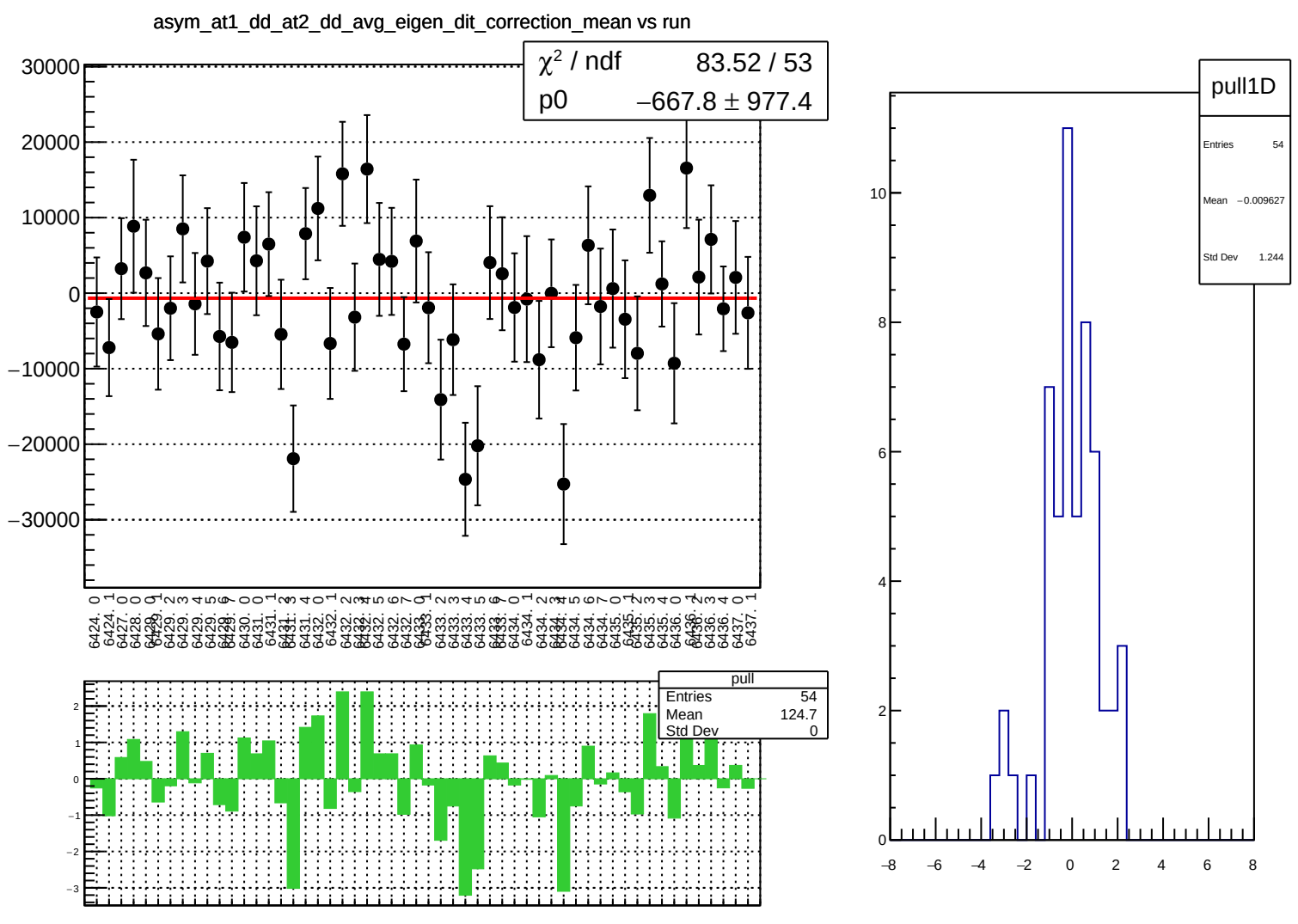

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 83.52 / 53
p0 −667.7 ± 977.4
pull
Entries 54
Mean 124.7
Std Dev 0
pull1D
Entries 54
Mean −0.009627
Std Dev 1.244

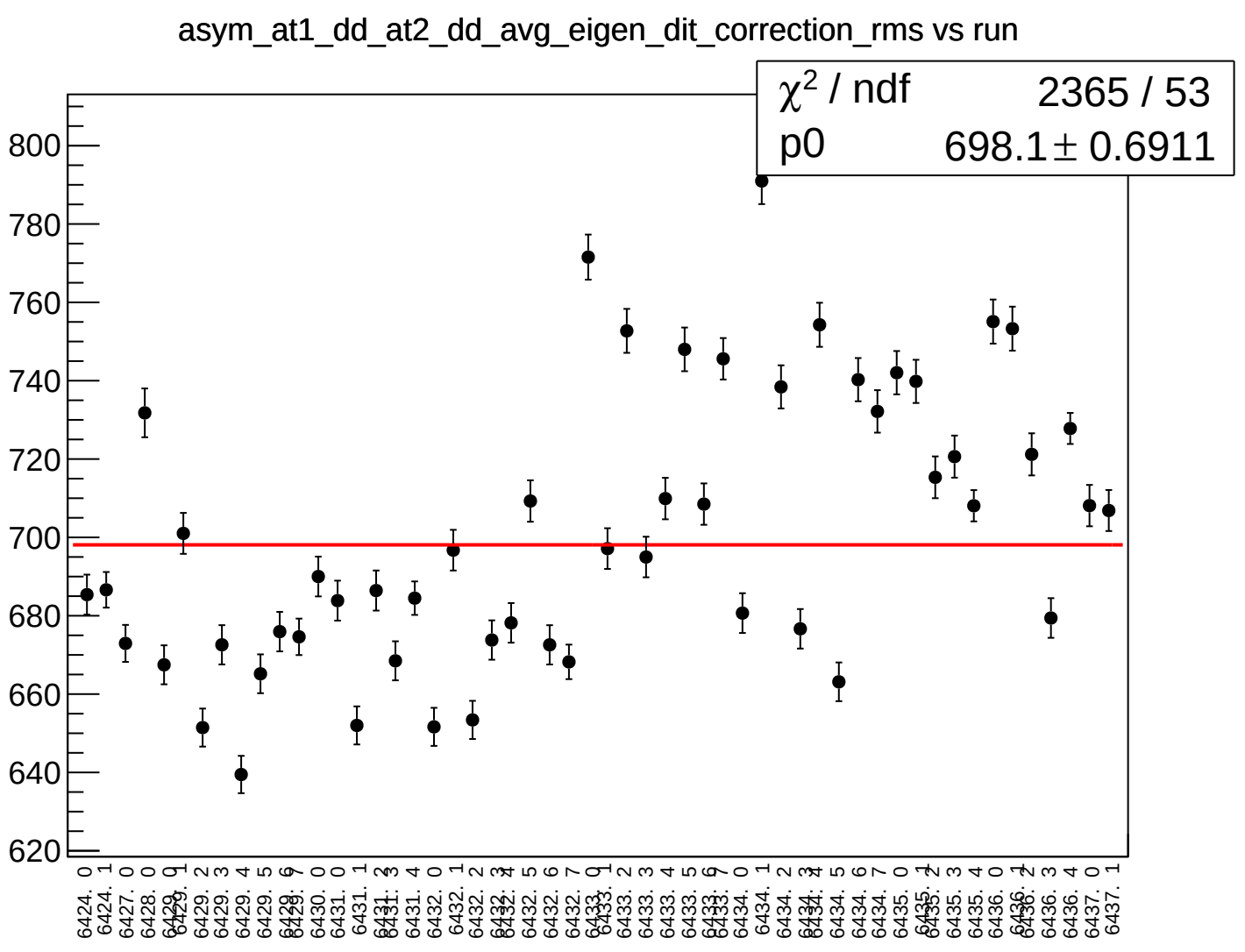

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 698.1 ± 0.6911
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

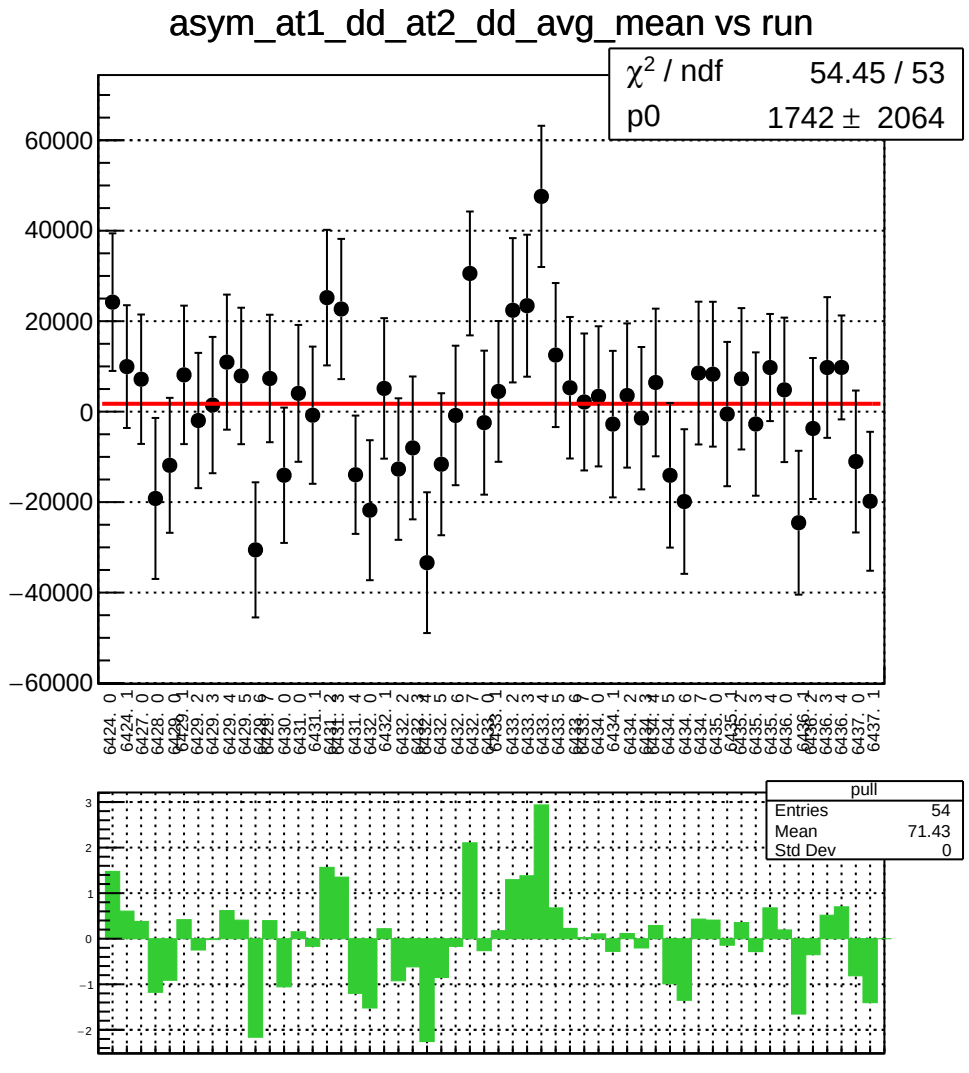

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 42.37 / 53
p0 930.7 ± 1819
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 102.1
Std Dev 0
2
1
0
−1
−2
−3

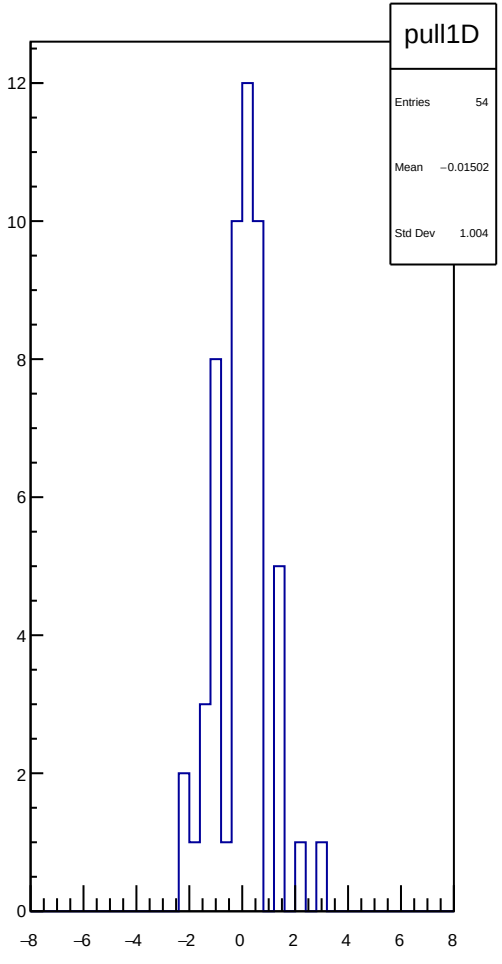

pull1D
Entries 54
Mean −0.01692
Std Dev 0.8857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

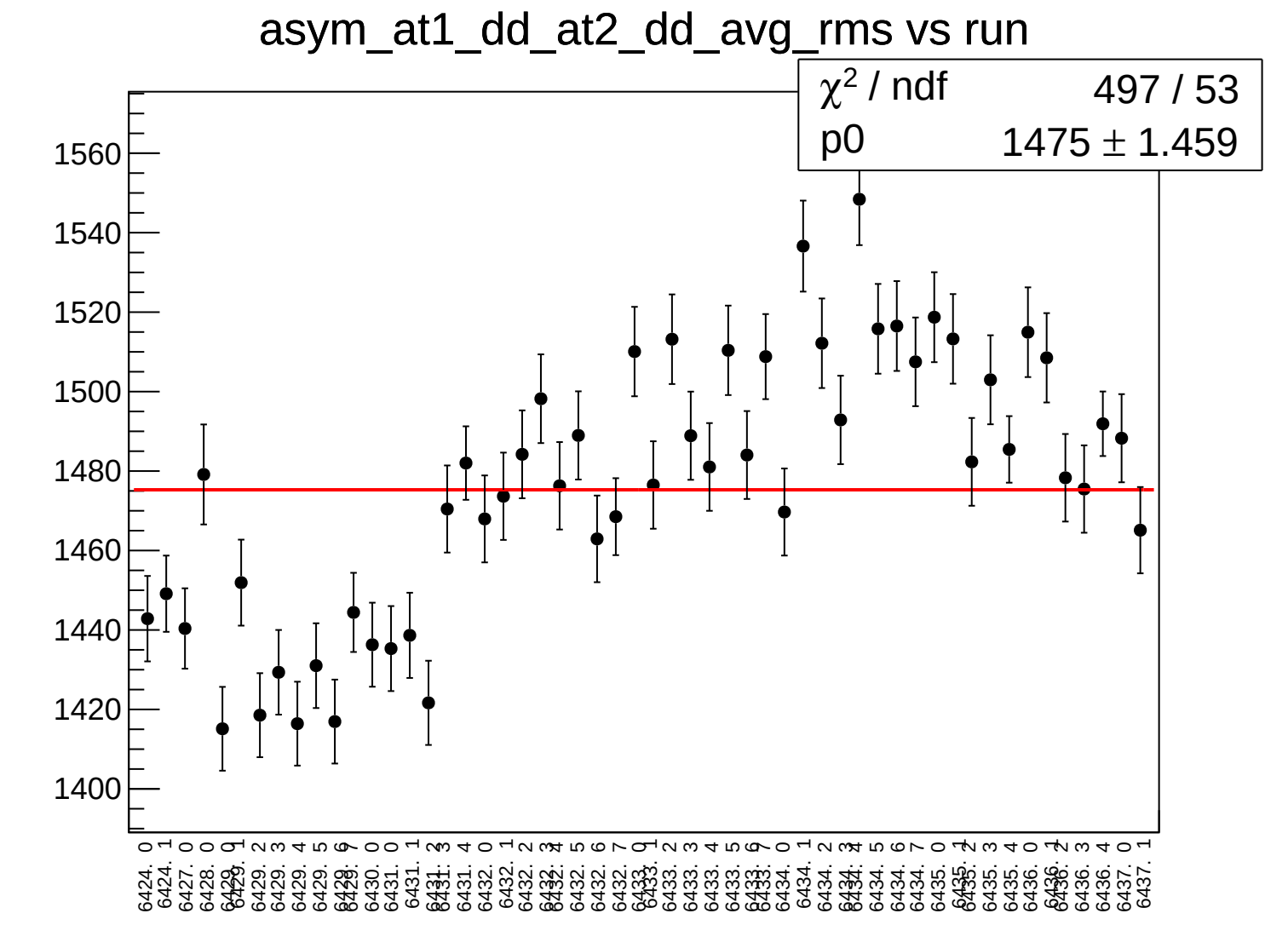

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 373.3 / 53
p0 1301 ± 1.286
1360
1340
1320
1300
1280
1260
1240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

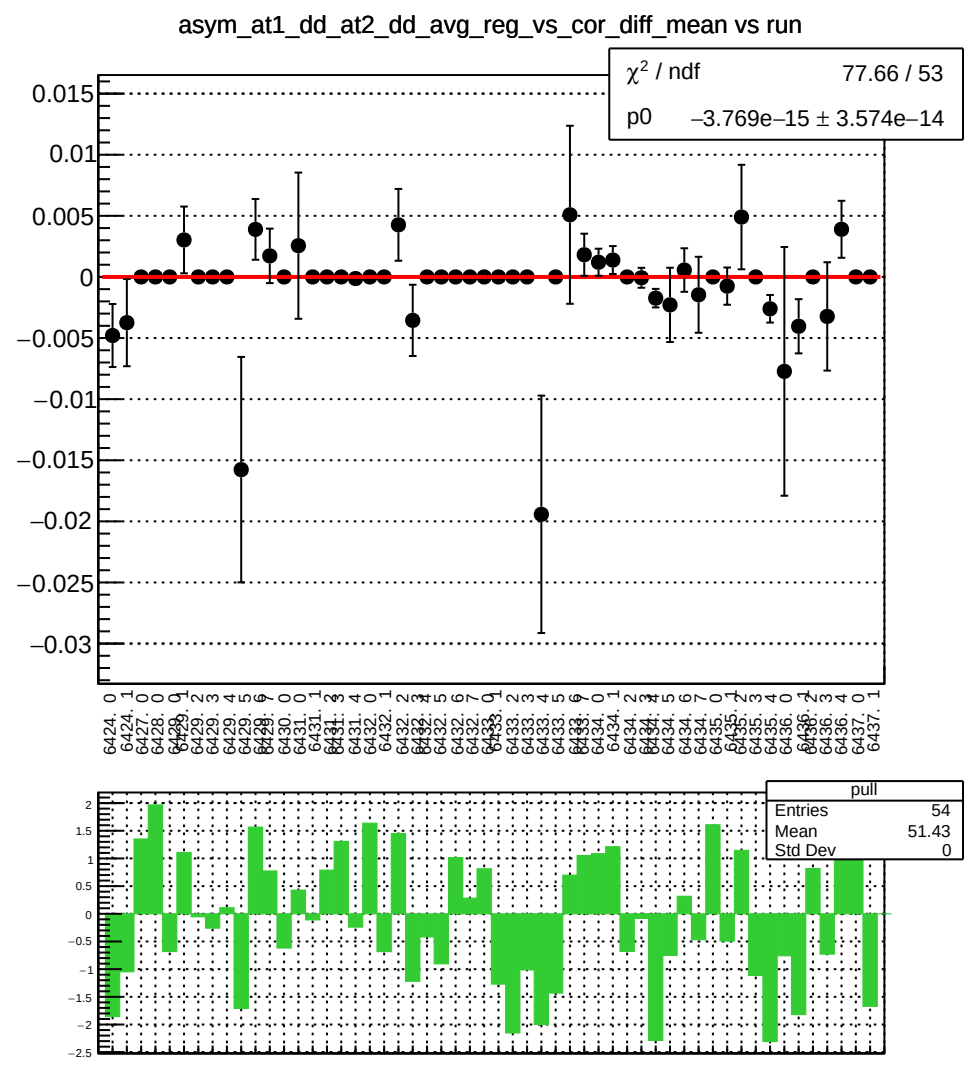

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.52 / 53
p0 −667.8 ± 977.4
pull
Entries 54
Mean 124.7
Std Dev 0
pull1D
Entries 54
Mean −0.009627
Std Dev 1.244

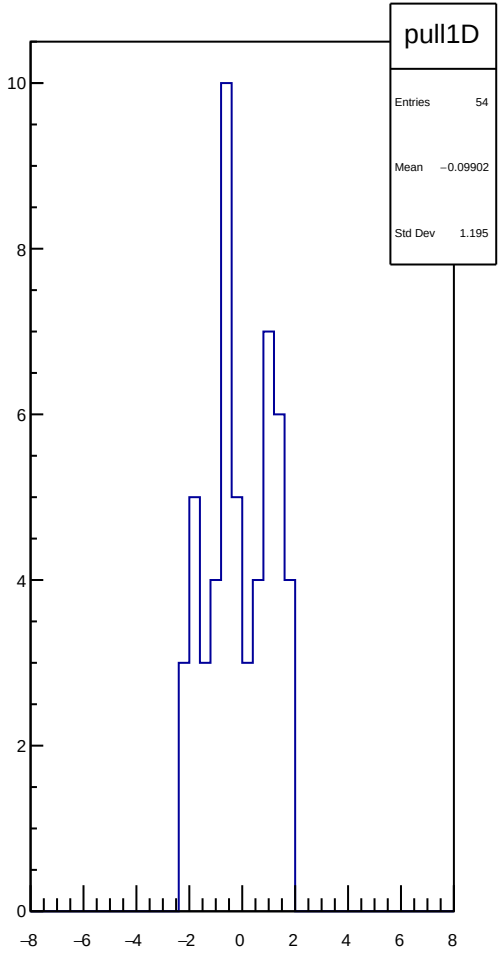

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2365 / 53
p0 698.1 ± 0.6911
800
780
760
740
720
700
680
660
640
620
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

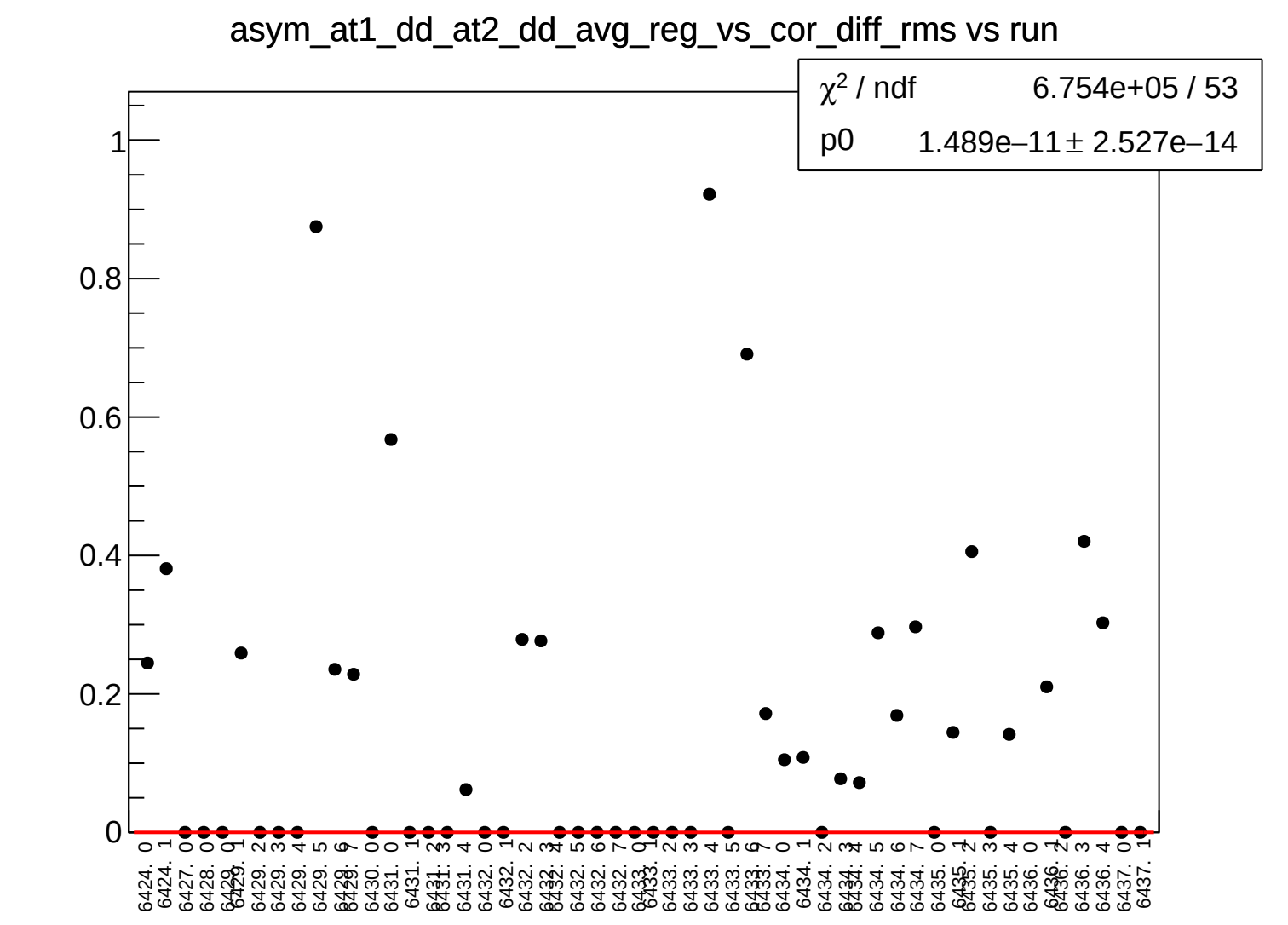

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 54.45 / 53
p0 1742 ± 2064
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 71.43
Std Dev 0
3
2
1
0
−1
−2

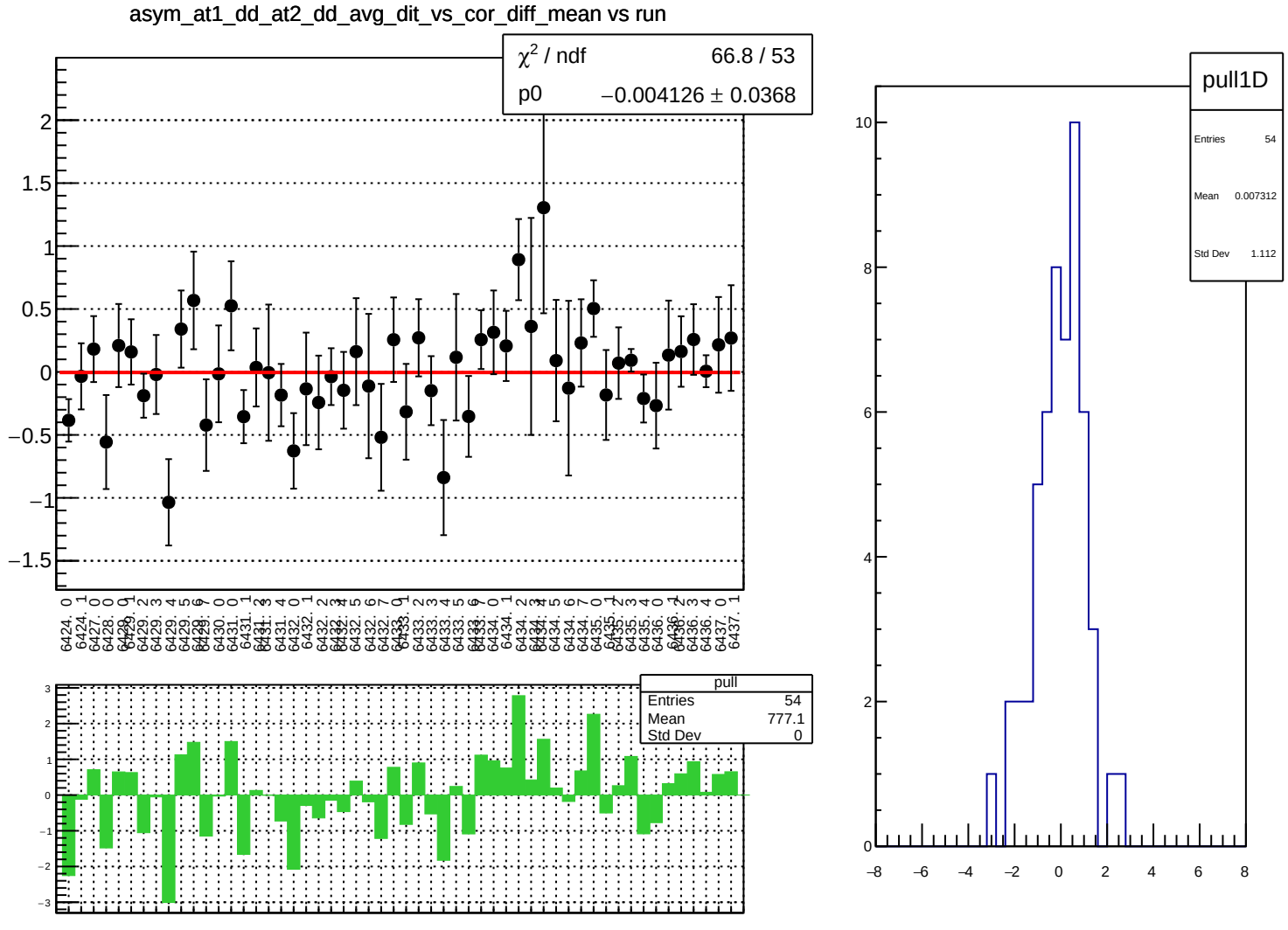

pull1D
Entries 54
Mean −0.01502
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

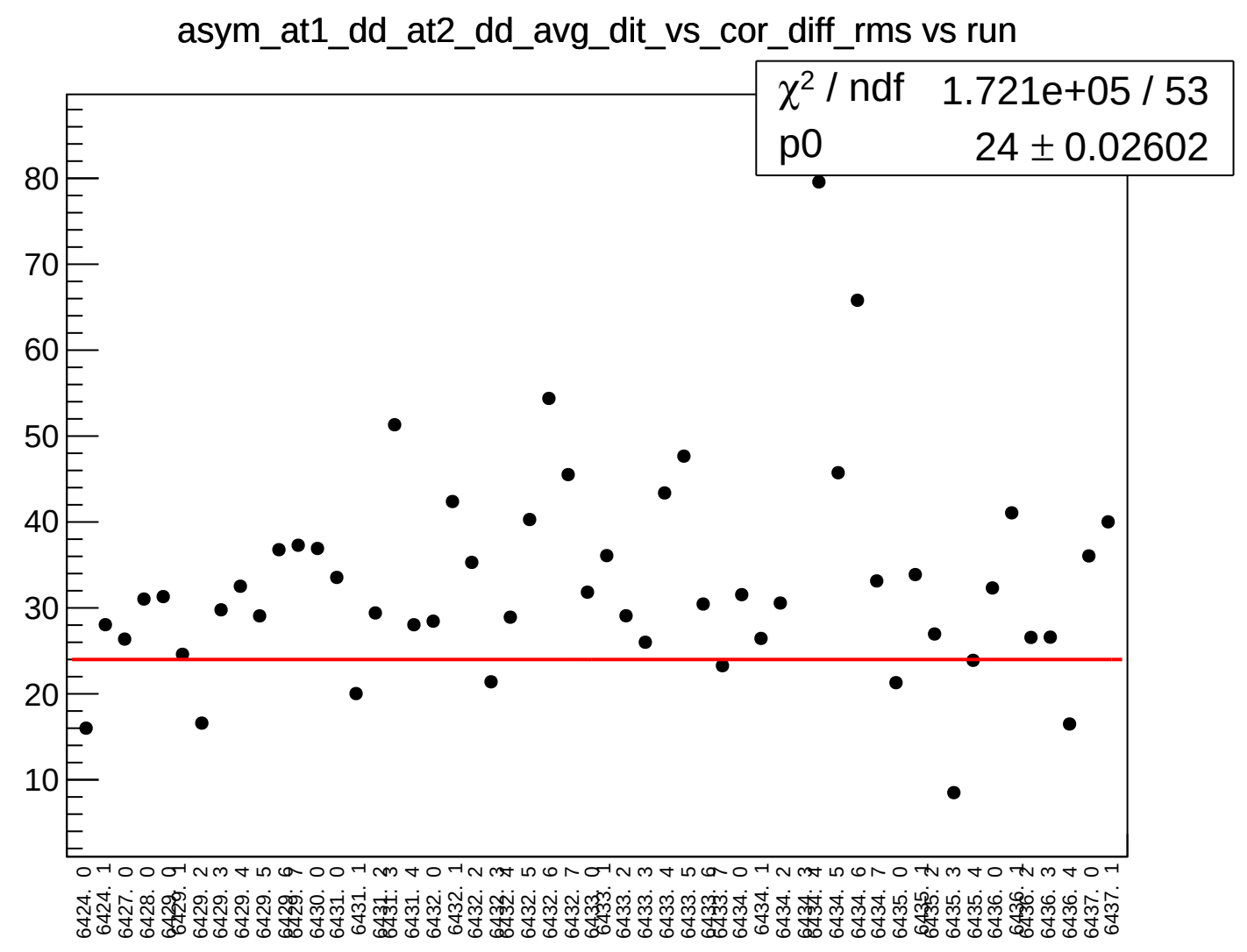

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 497 / 53
p0 1475 ± 1.459
1560
1540
1520
1500
1480
1460
1440
1420
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

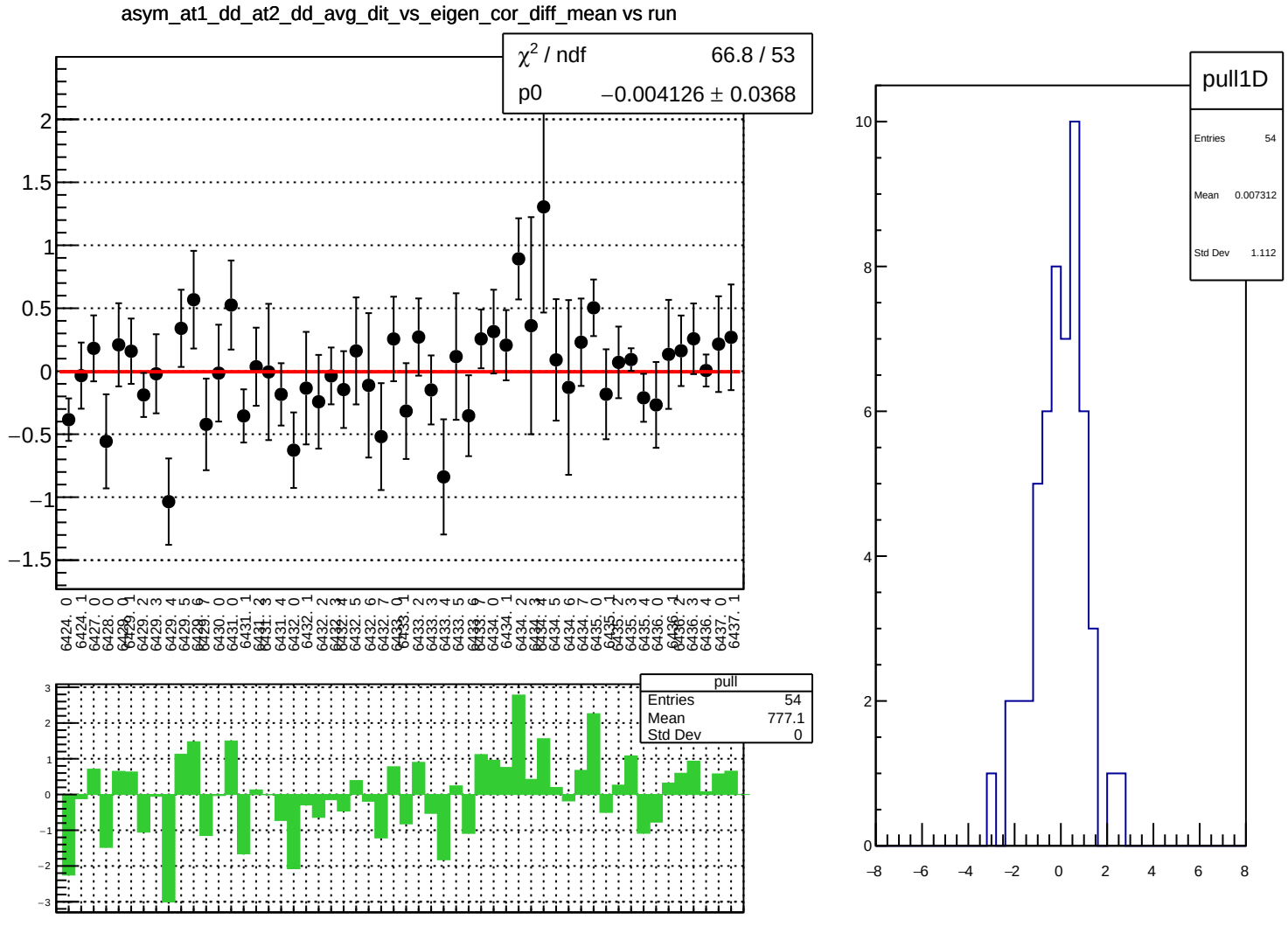

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.66 / 53
p0 −3.769e−15 ± 3.574e−14
pull
Entries 54
Mean 51.43
Std Dev 0

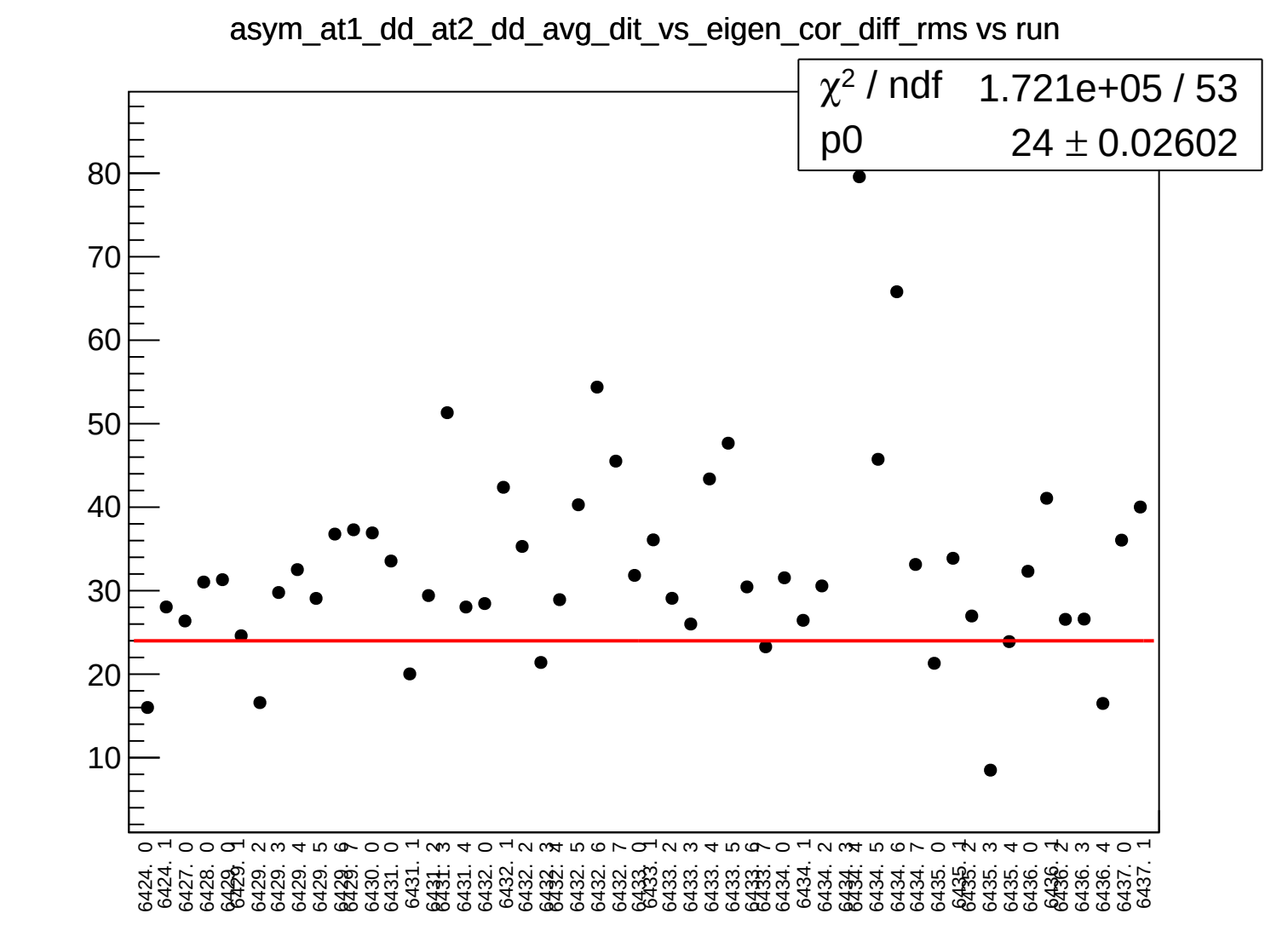

pull1D
Entries 54
Mean −0.09902
Std Dev 1.195

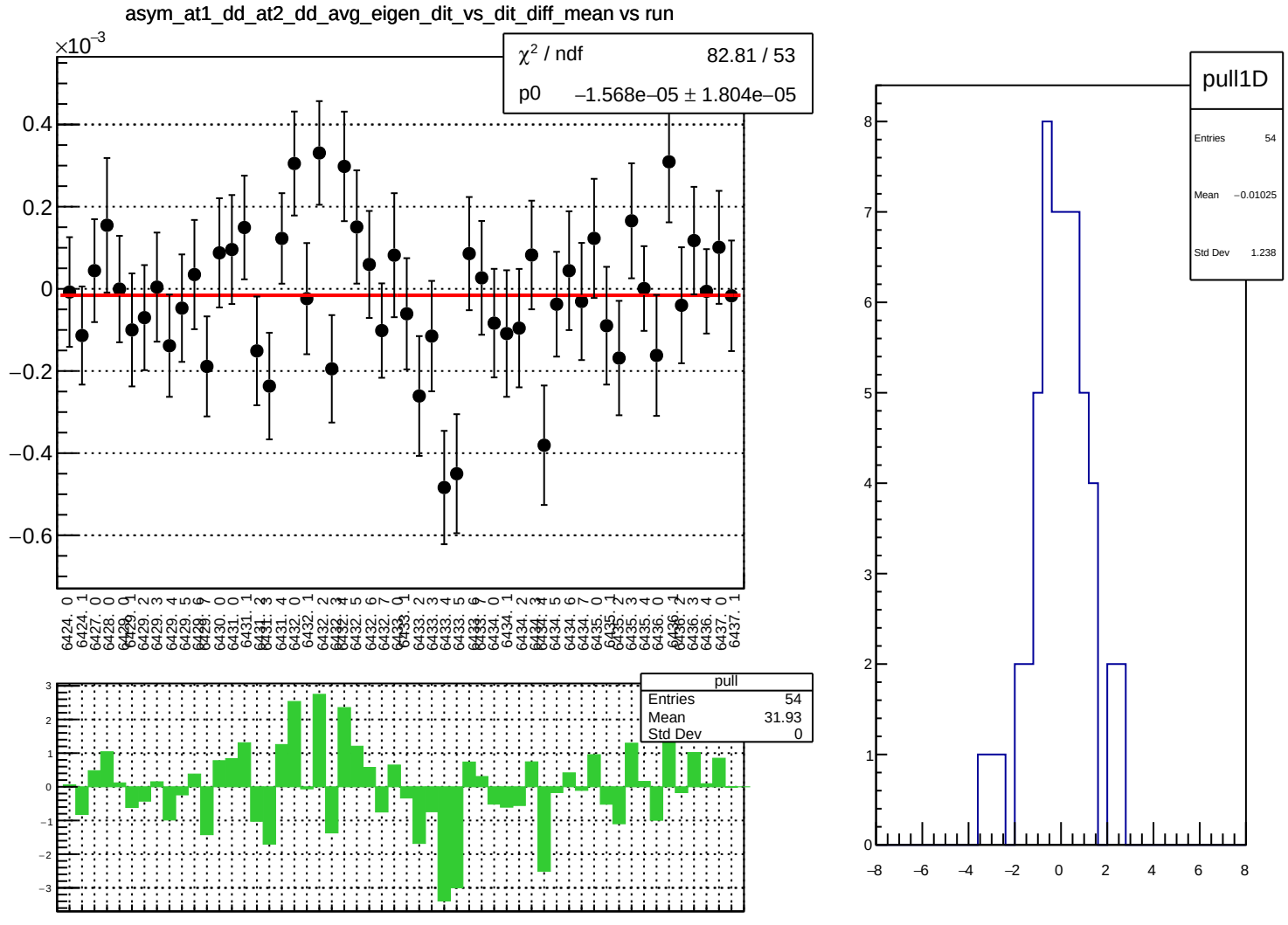

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.754e+05 / 53
p0 1.489e−11 ± 2.527e−14
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

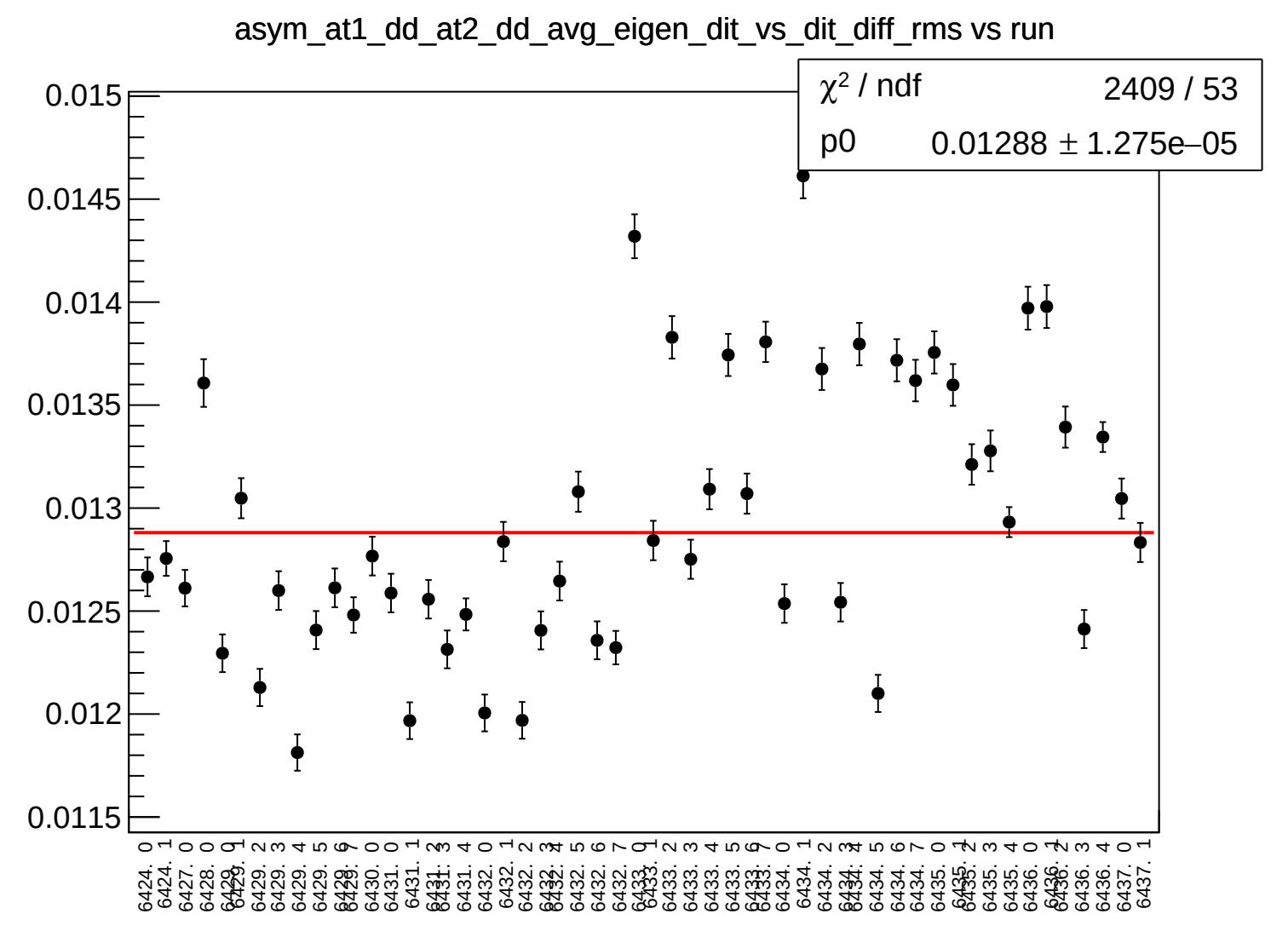

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004126 ± 0.0368
pull
Entries 54
Mean 777.1
Std Dev 0
pull1D
Entries 54
Mean 0.007312
Std Dev 1.112

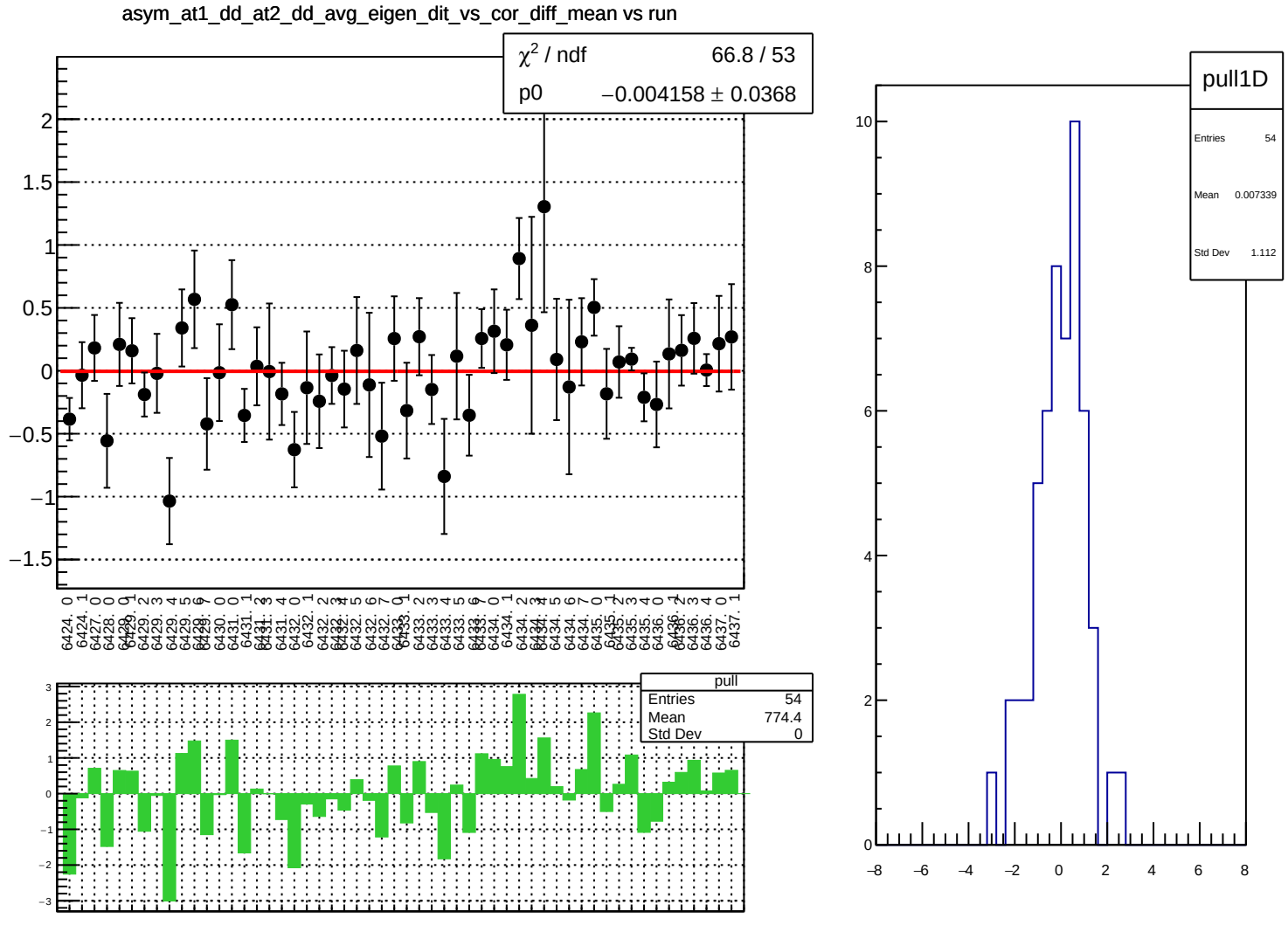

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.721e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

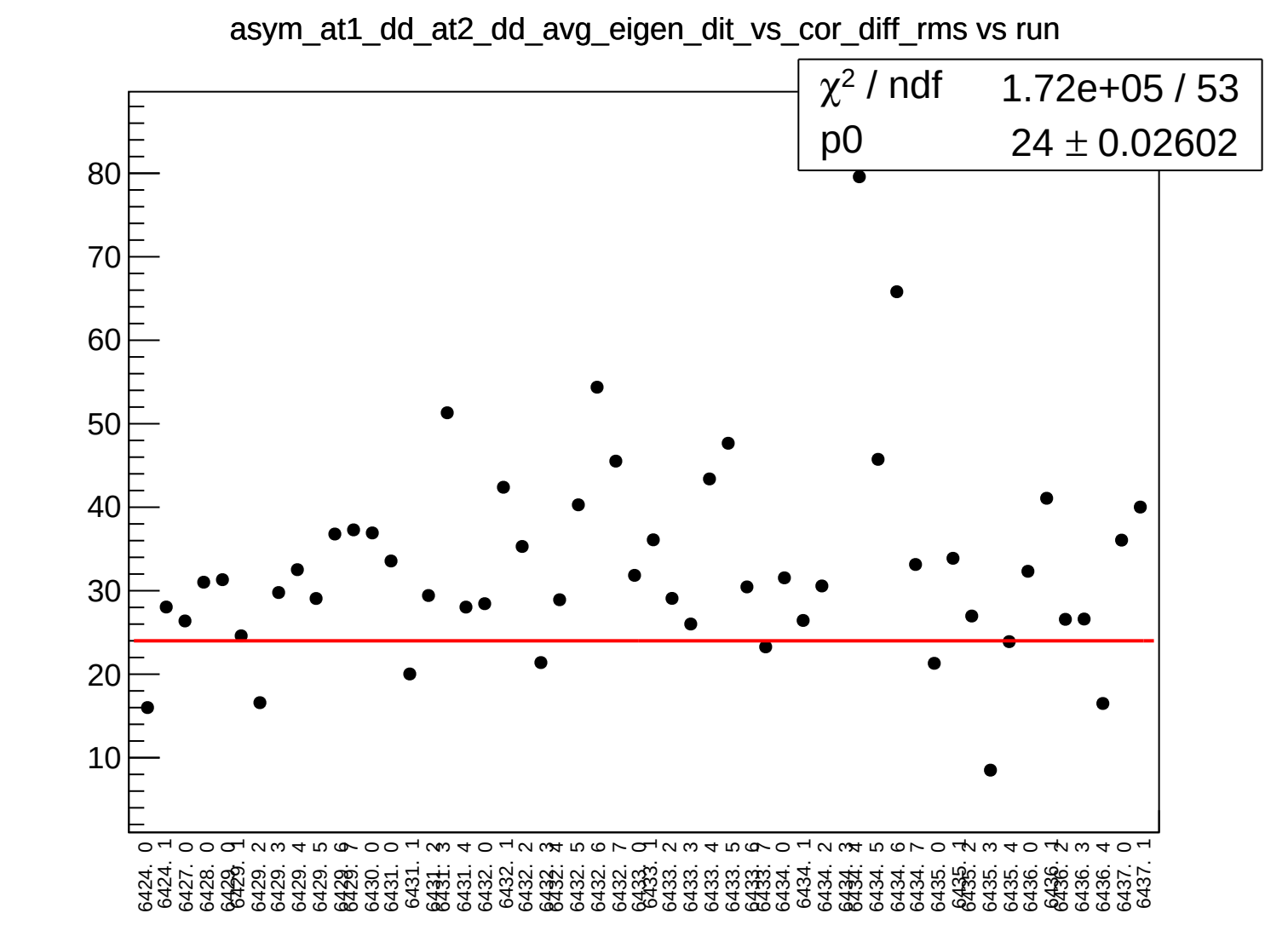

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004126 ± 0.0368
pull
Entries 54
Mean 777.1
Std Dev 0
pull1D
Entries 54
Mean 0.007312
Std Dev 1.112

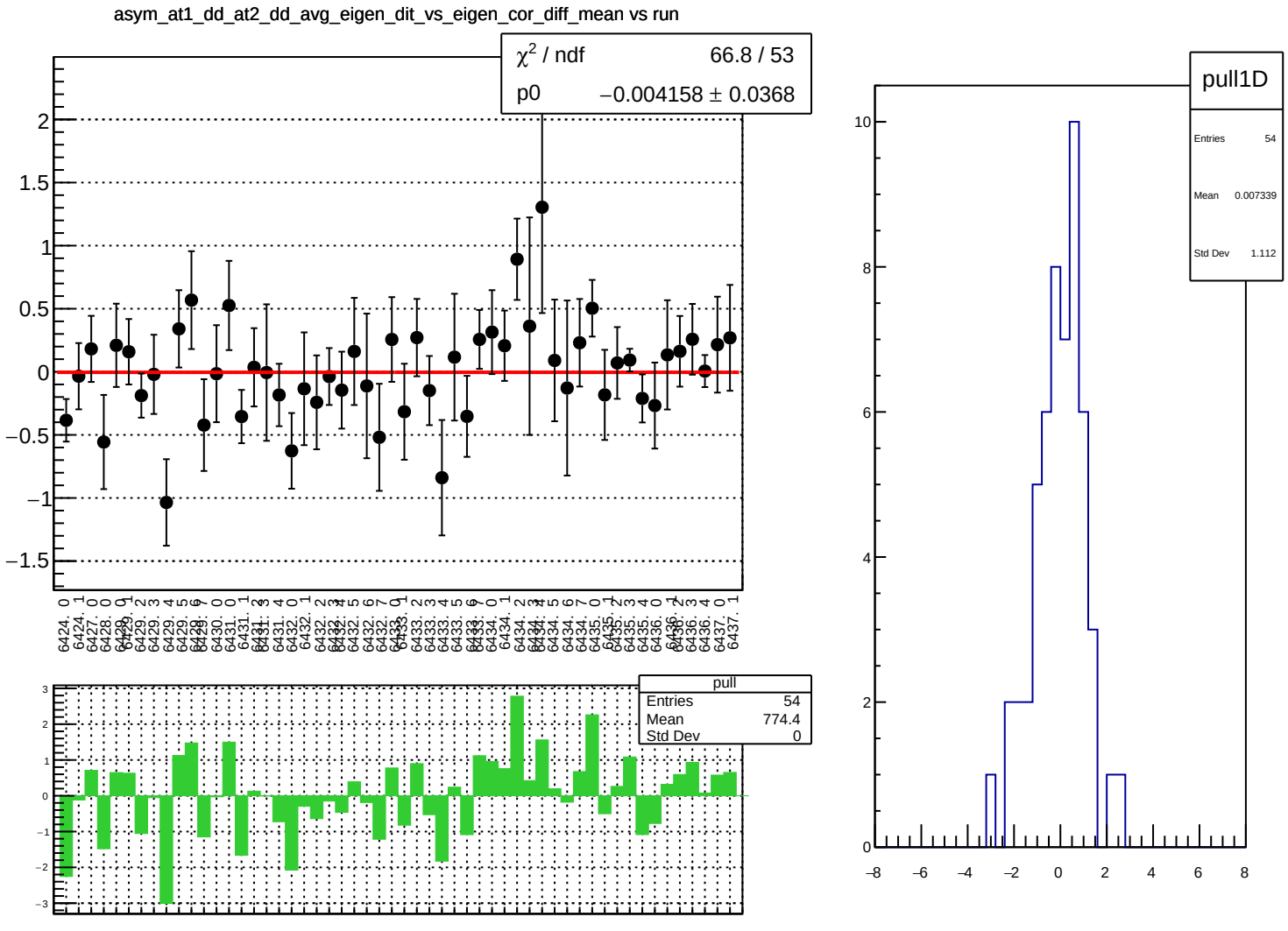

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.721e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

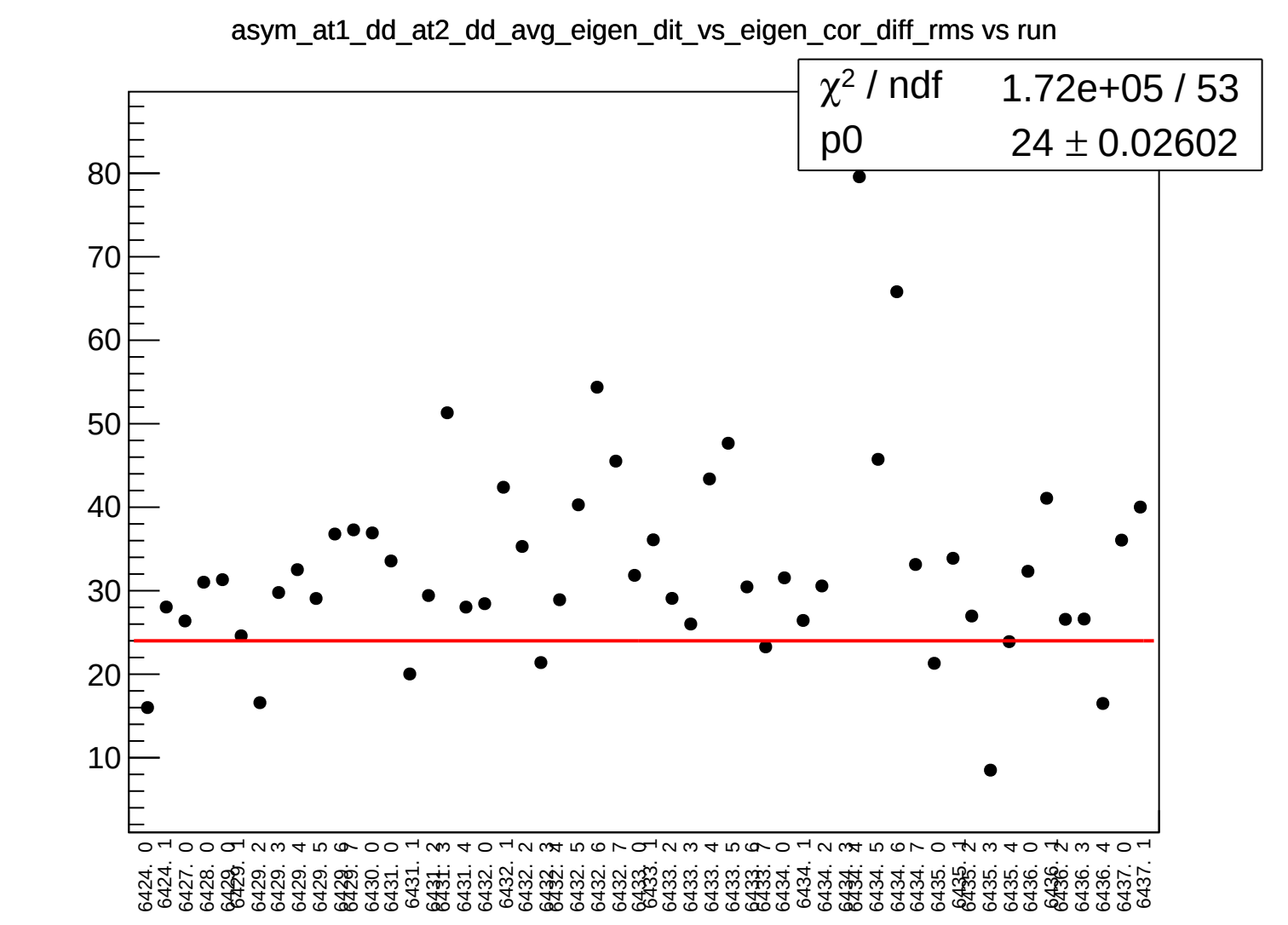

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.81 / 53
p0 −1.568e−05 ± 1.804e−05
pull
Entries 54
Mean 31.93
Std Dev 0
pull1D
Entries 54
Mean −0.01025
Std Dev 1.238

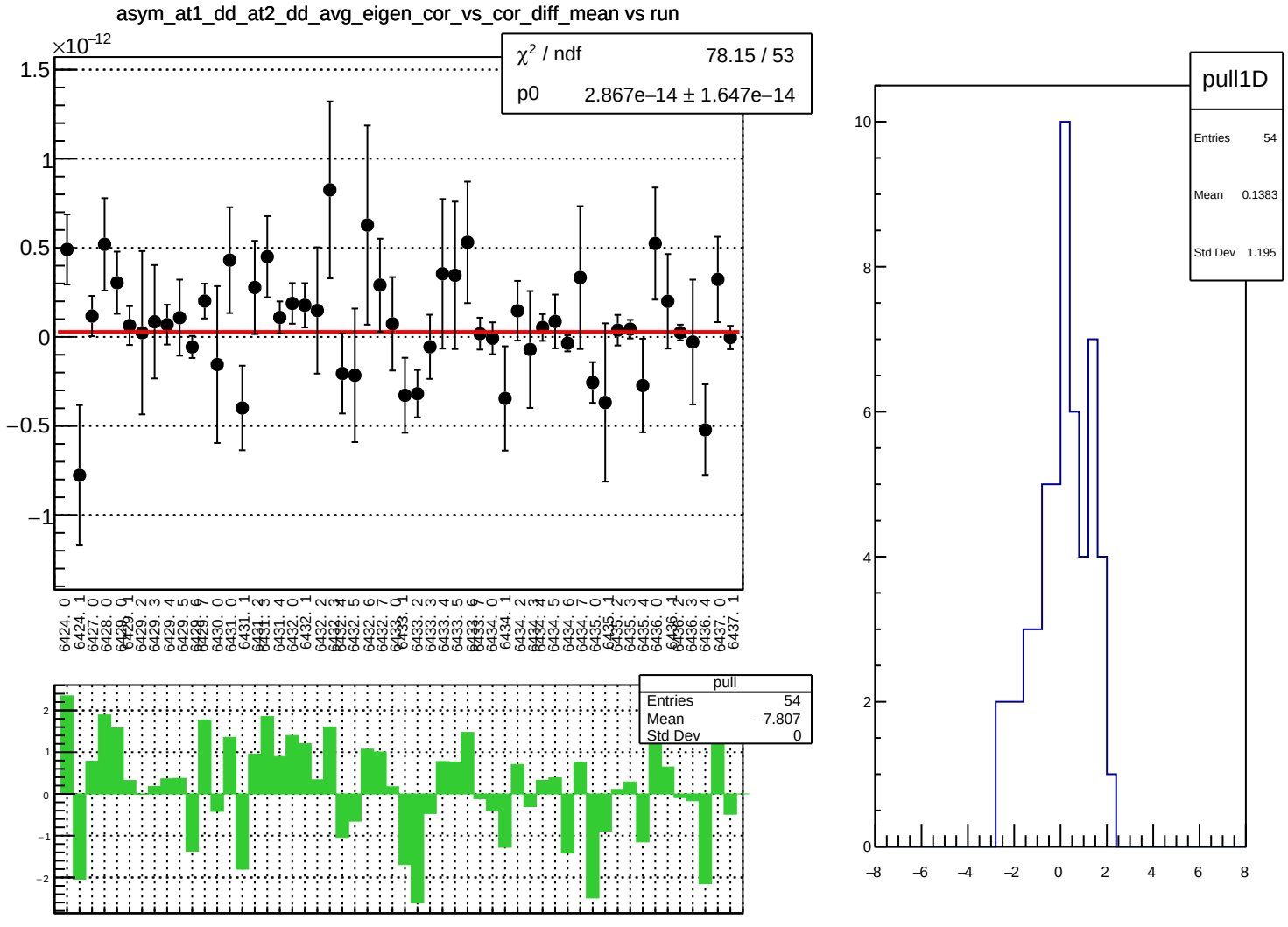

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2409 / 53
p0 0.01288 ± 1.275e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

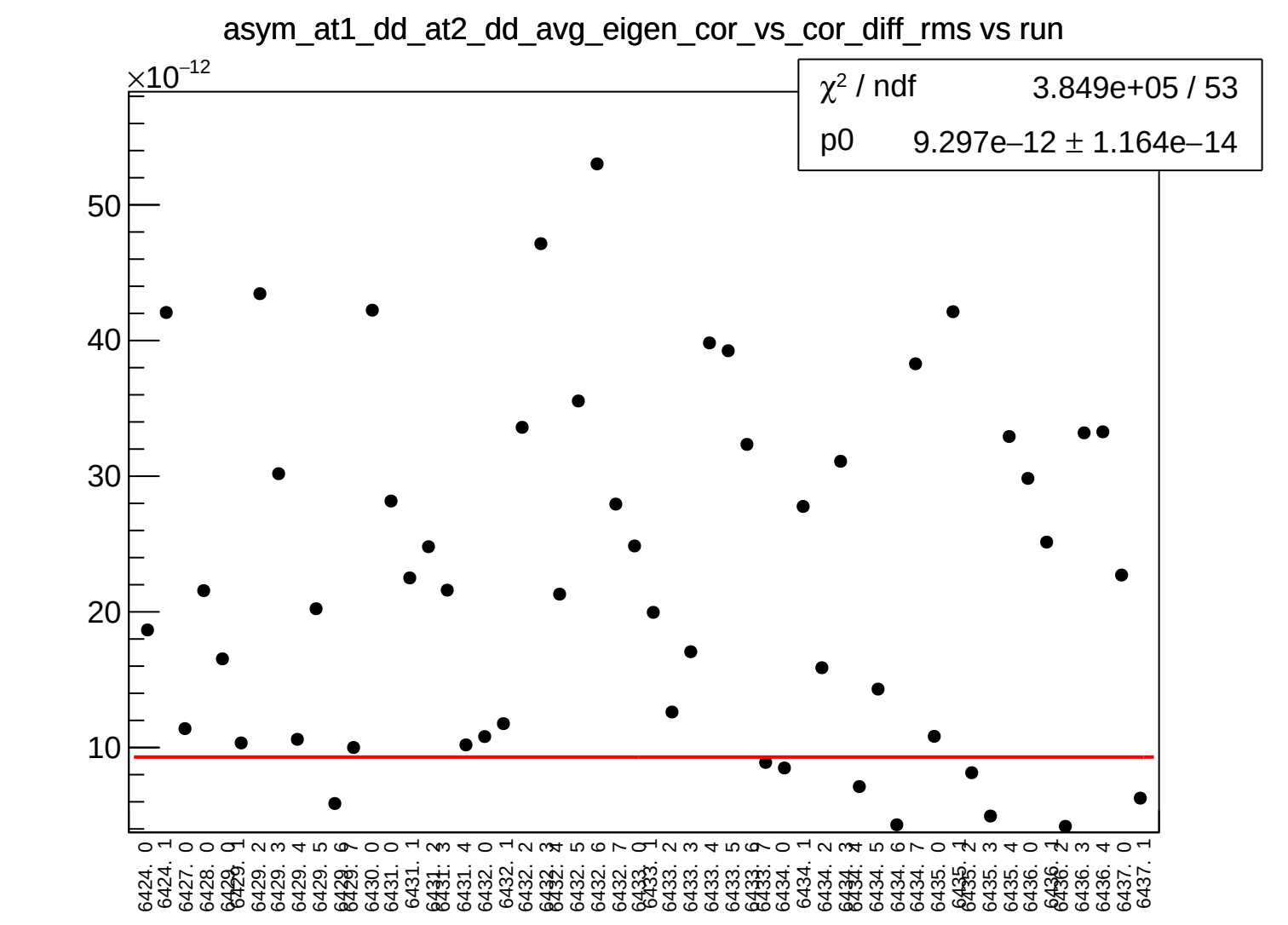

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004158 ± 0.0368
pull
Entries 54
Mean 774.4
Std Dev 0
pull1D
Entries 54
Mean 0.007339
Std Dev 1.112

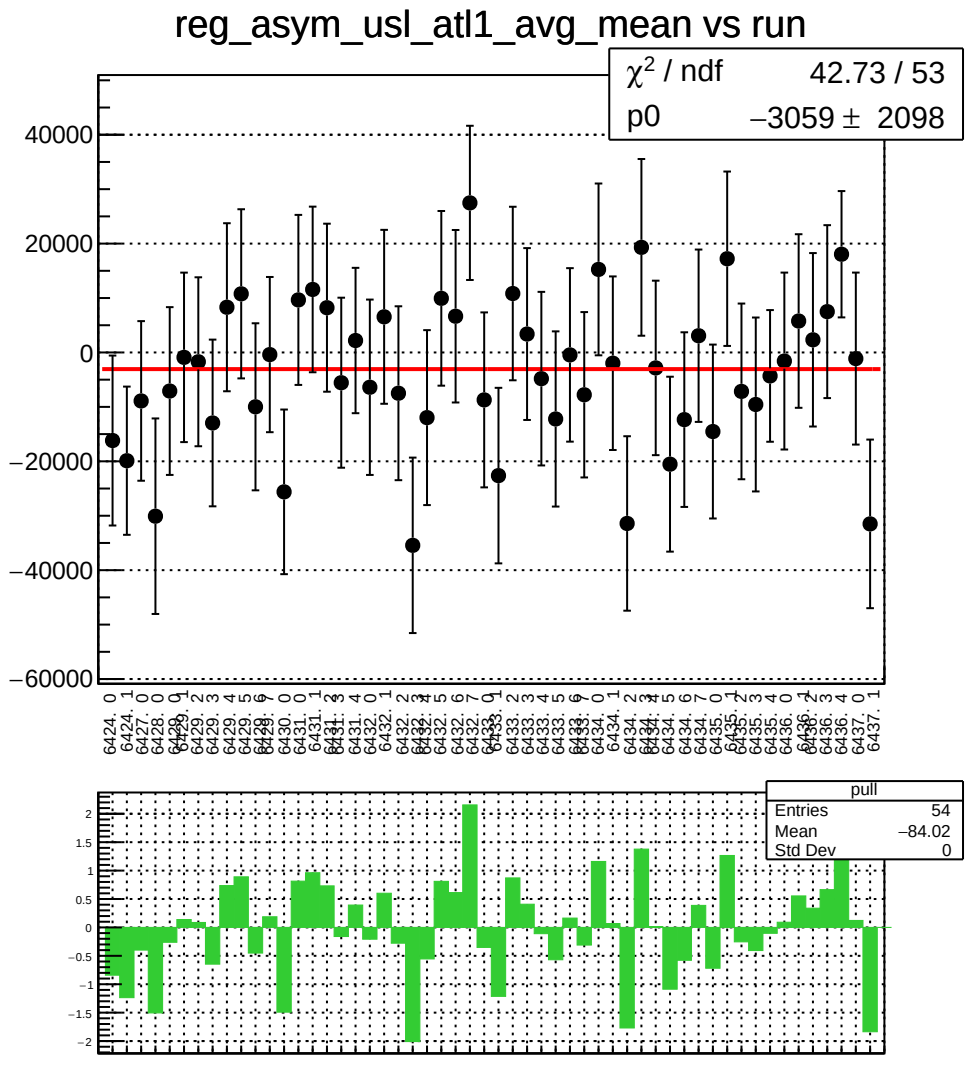

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.72e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

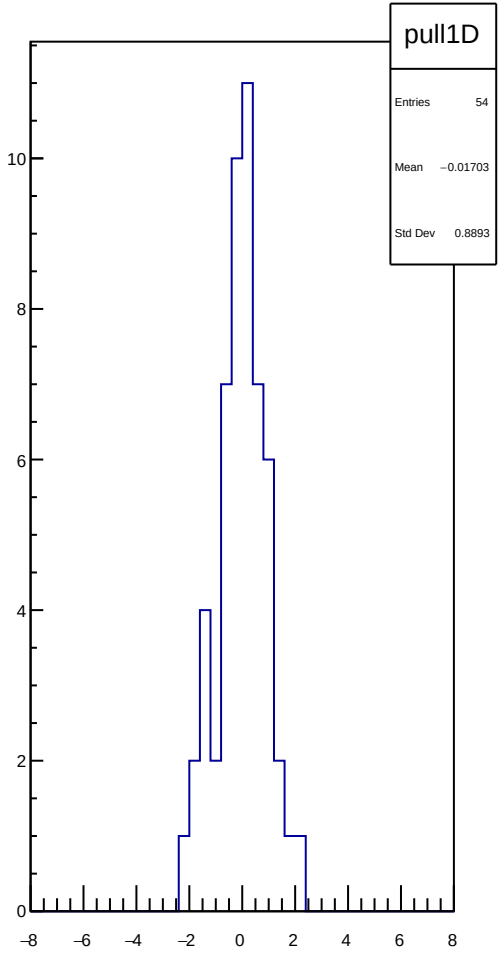

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 53
p0 −0.004158 ± 0.0368
pull
Entries 54
Mean 774.4
Std Dev 0
pull1D
Entries 54
Mean 0.007339
Std Dev 1.112

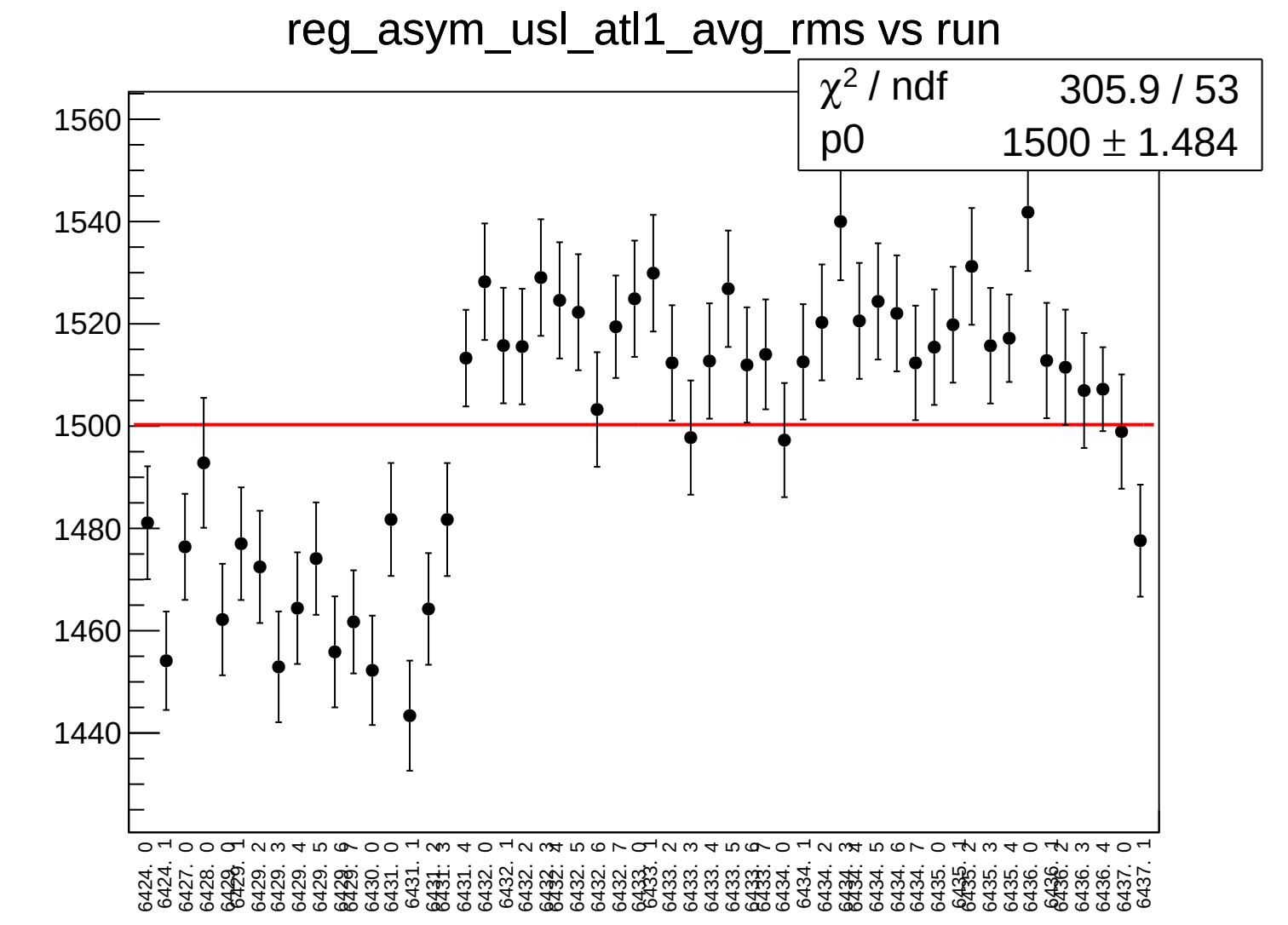

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.72e+05 / 53
p0 24 ± 0.02602
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

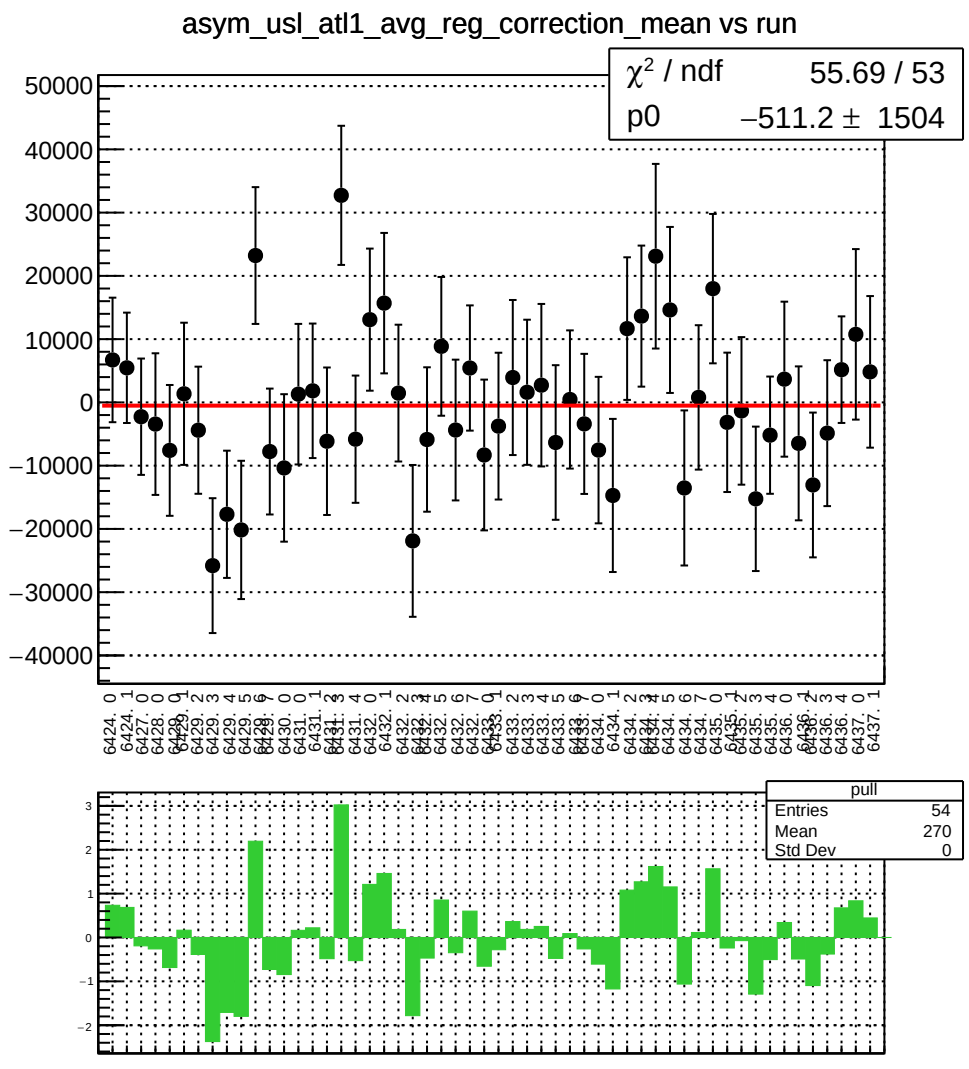

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.15 / 53
p0 2.867e−14 ± 1.647e−14
pull
Entries 54
Mean −7.807
Std Dev 0
pull1D
Entries 54
Mean 0.1383
Std Dev 1.195

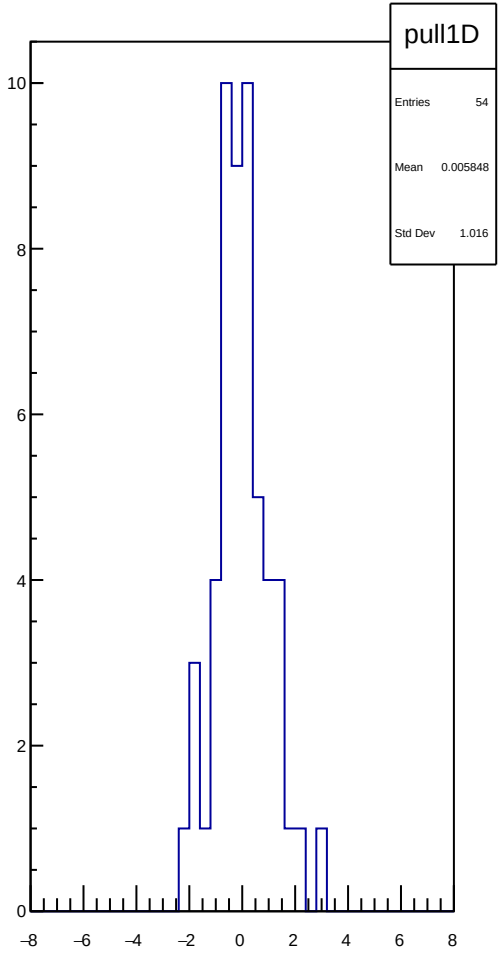

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.849e+05 / 53
p0 9.297e−12 ± 1.164e−14
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

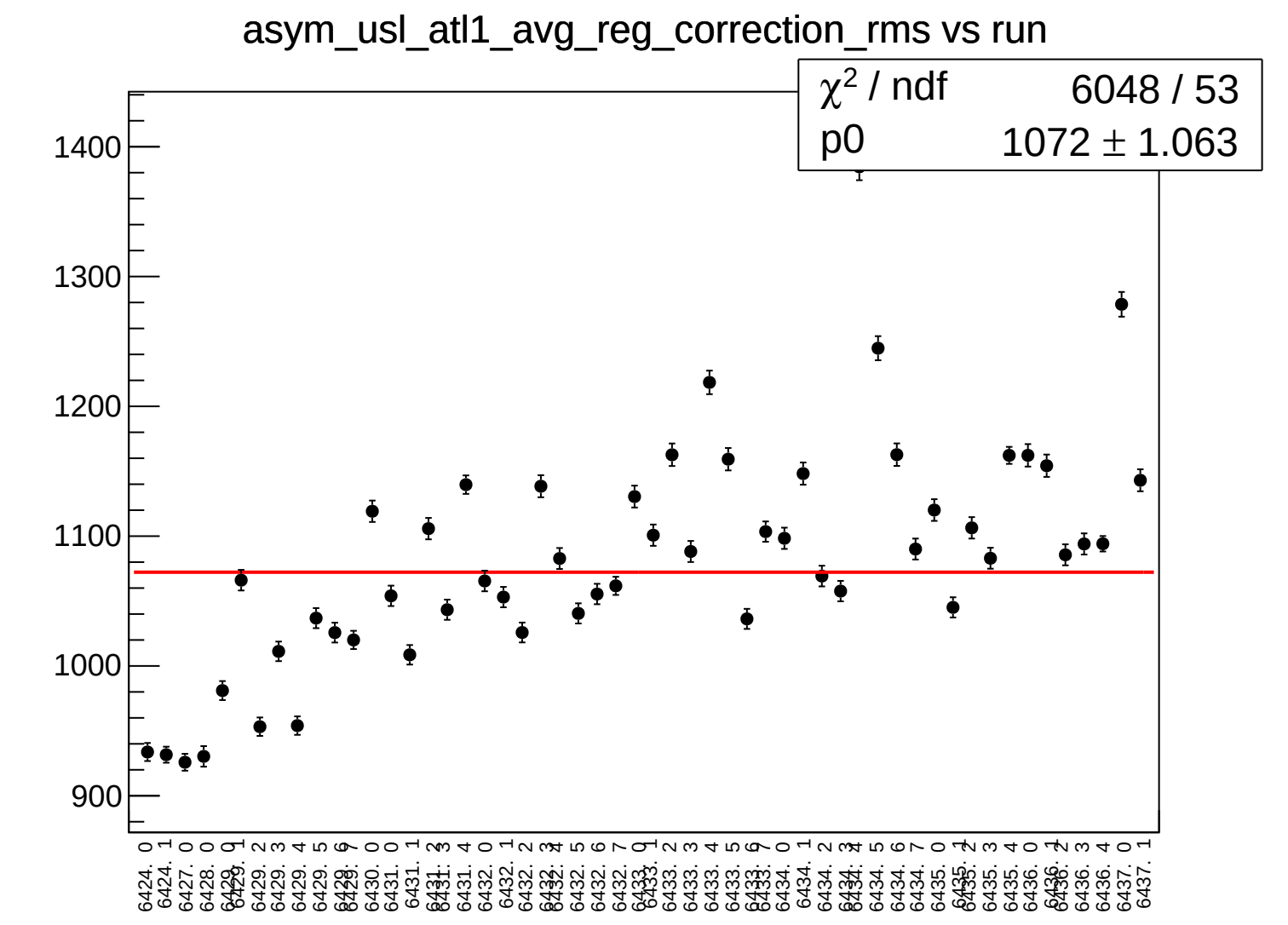

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 42.73 / 53
p0 −3059 ± 2098
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −84.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

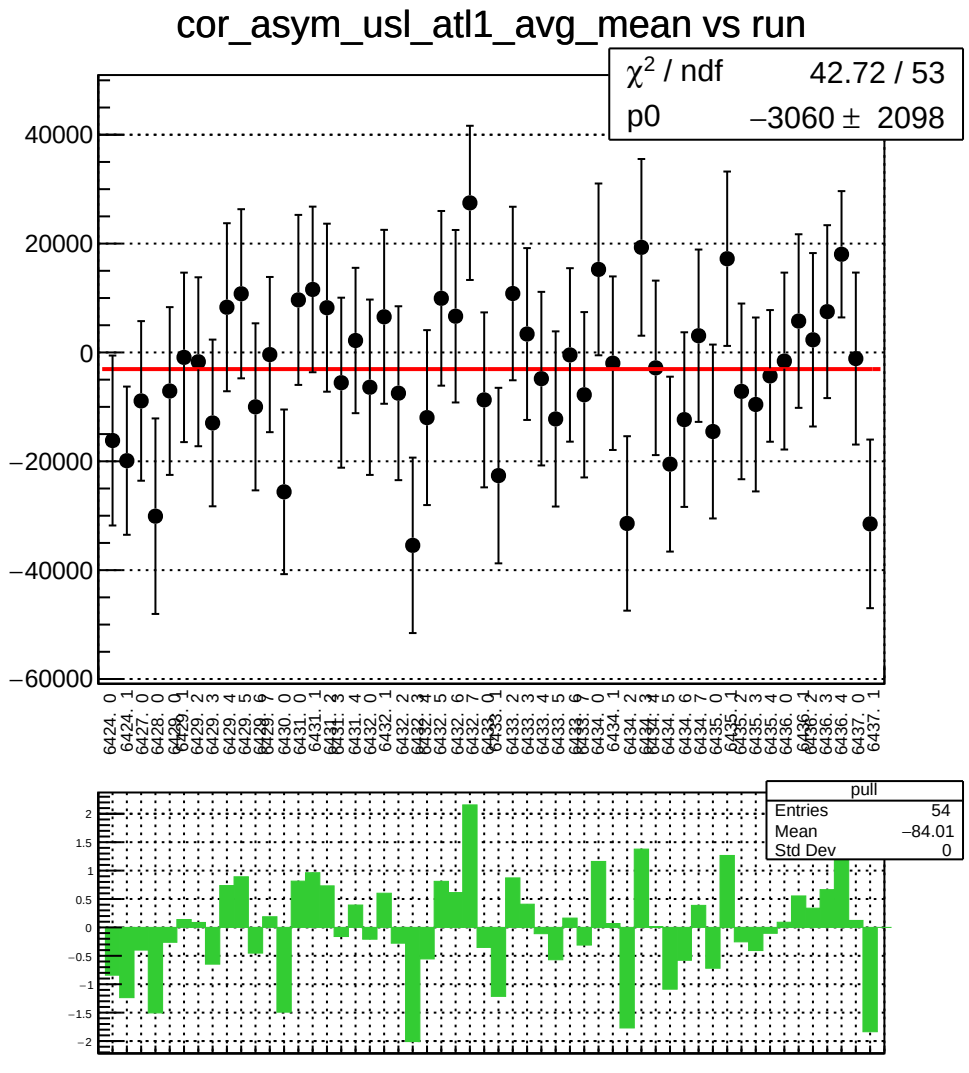

pull1D
Entries 54
Mean −0.01703
Std Dev 0.8893
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

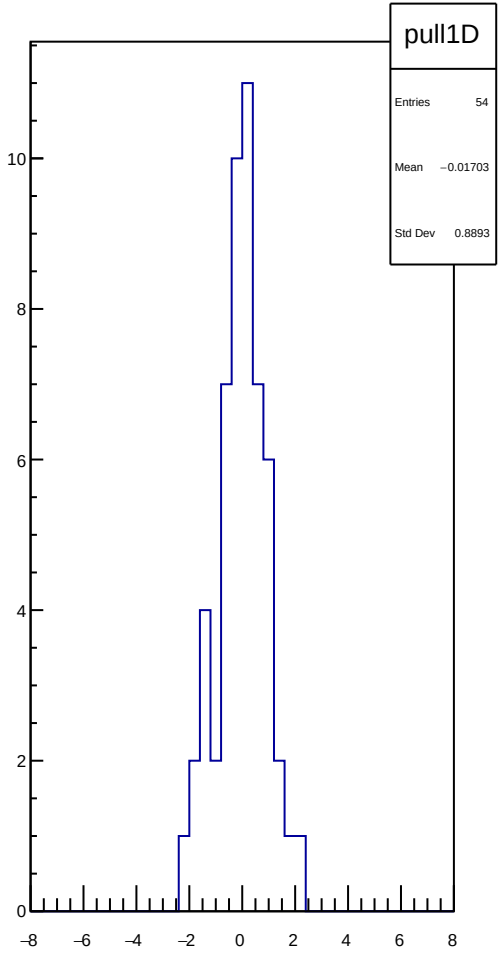

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 305.9 / 53
p0 1500 ± 1.484
1560
1540
1520
1500
1480
1460
1440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

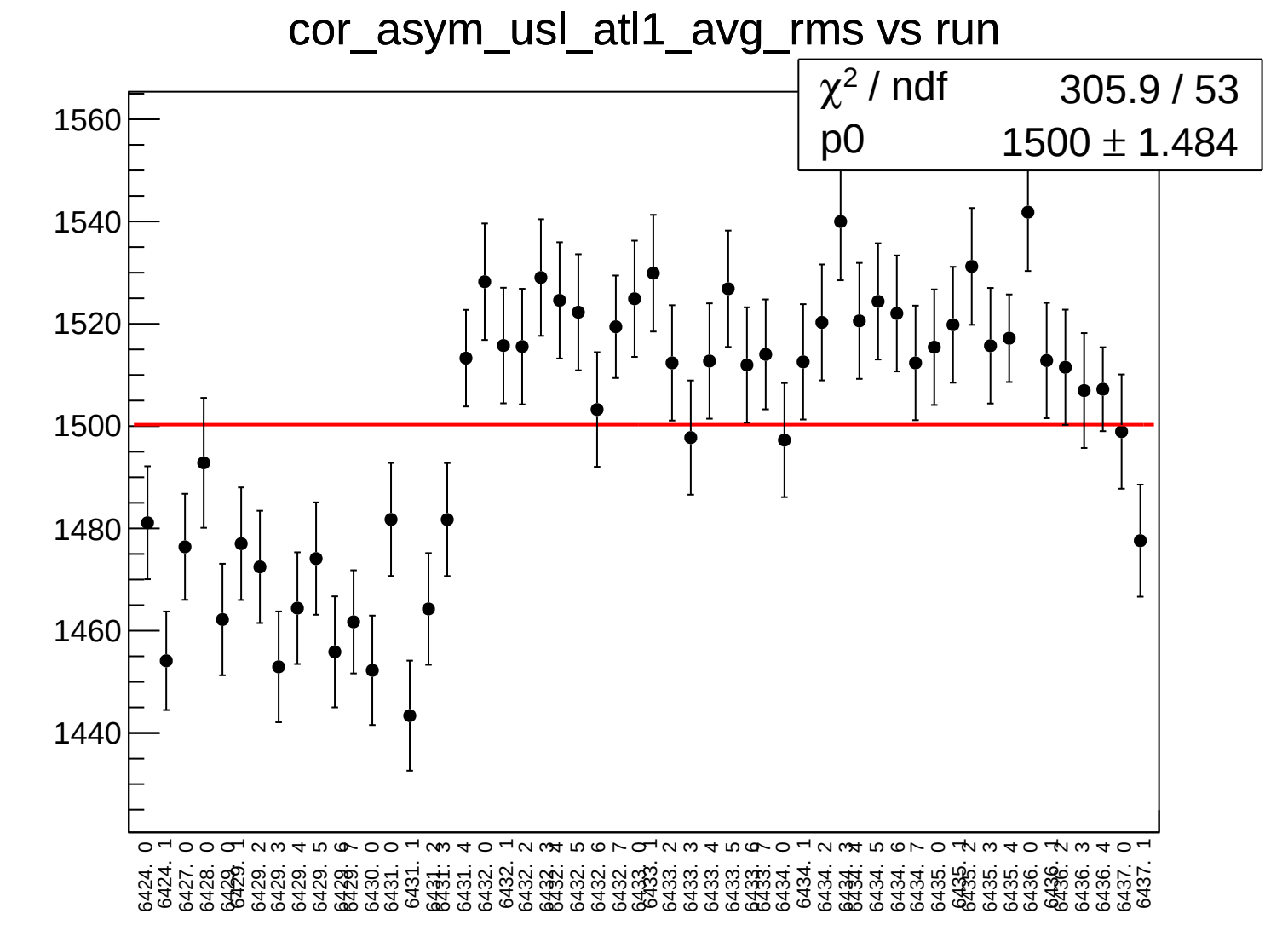

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 55.69 / 53
p0 −511.2 ± 1504
pull
Entries 54
Mean 270
Std Dev 0

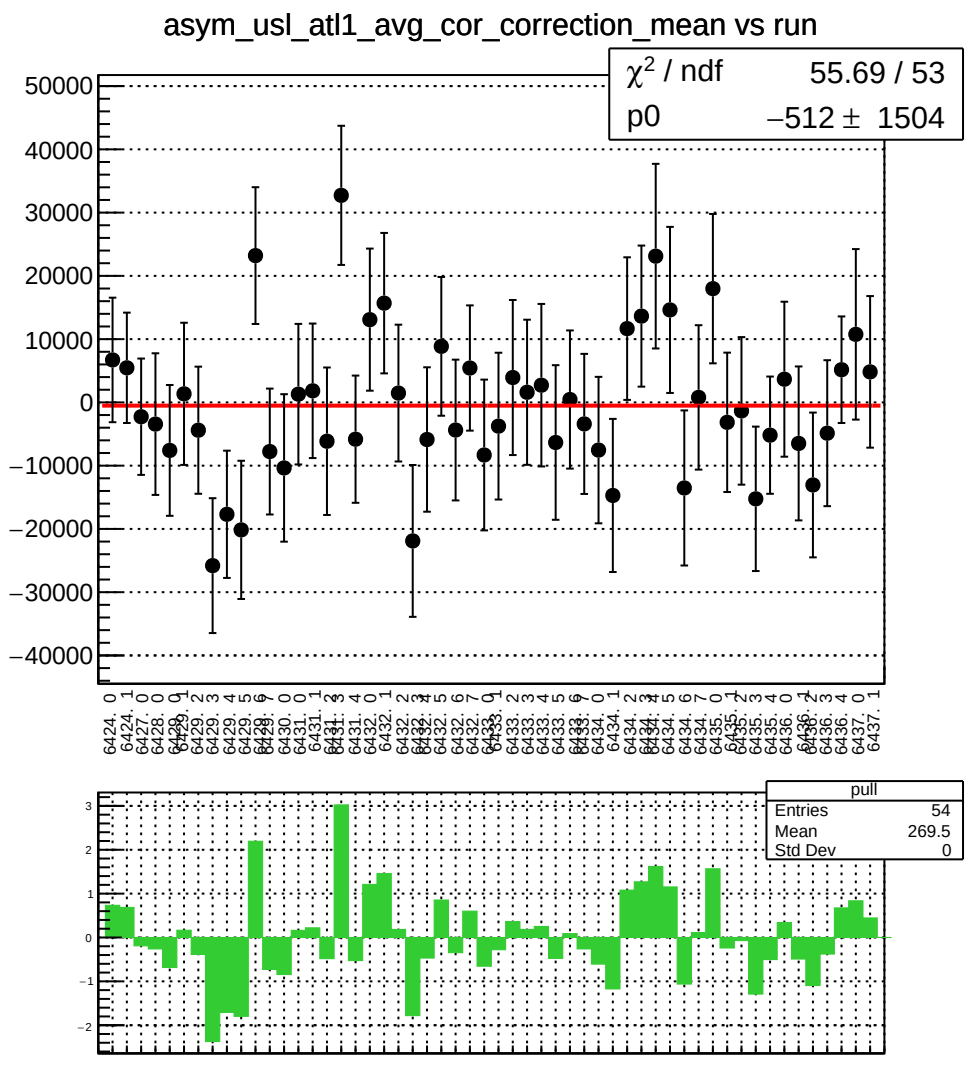

pull1D
Entries 54
Mean 0.005848
Std Dev 1.016

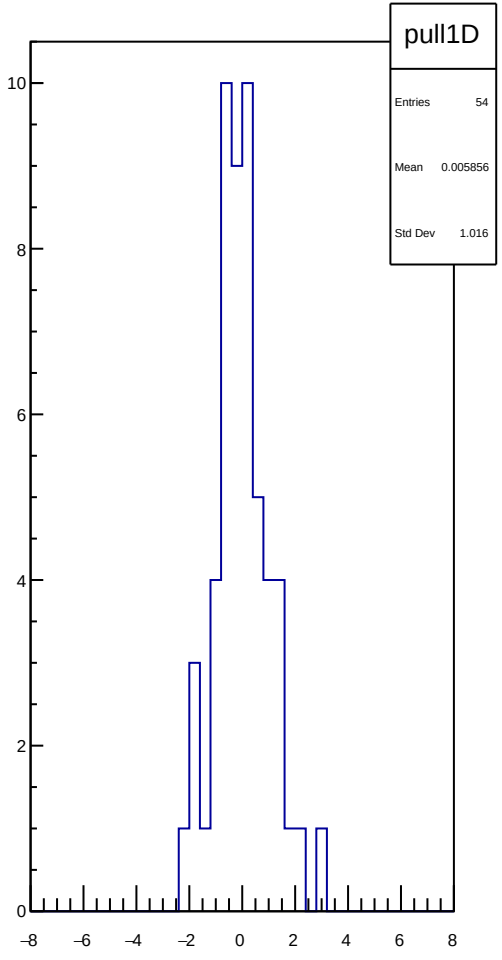

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 6048 / 53
p0 1072 ± 1.063
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

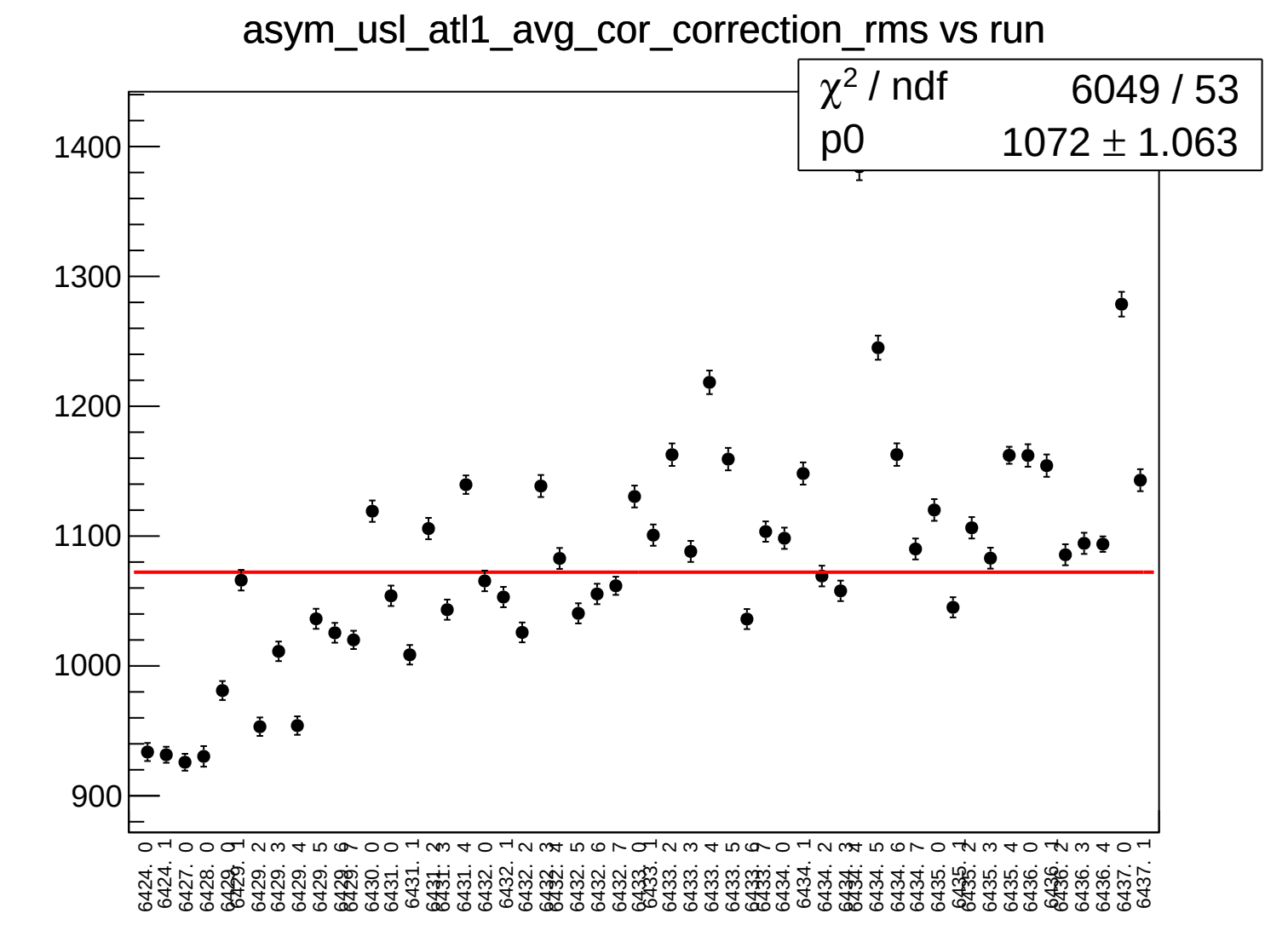

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 42.72 / 53
p0 −3060 ± 2098
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −84.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

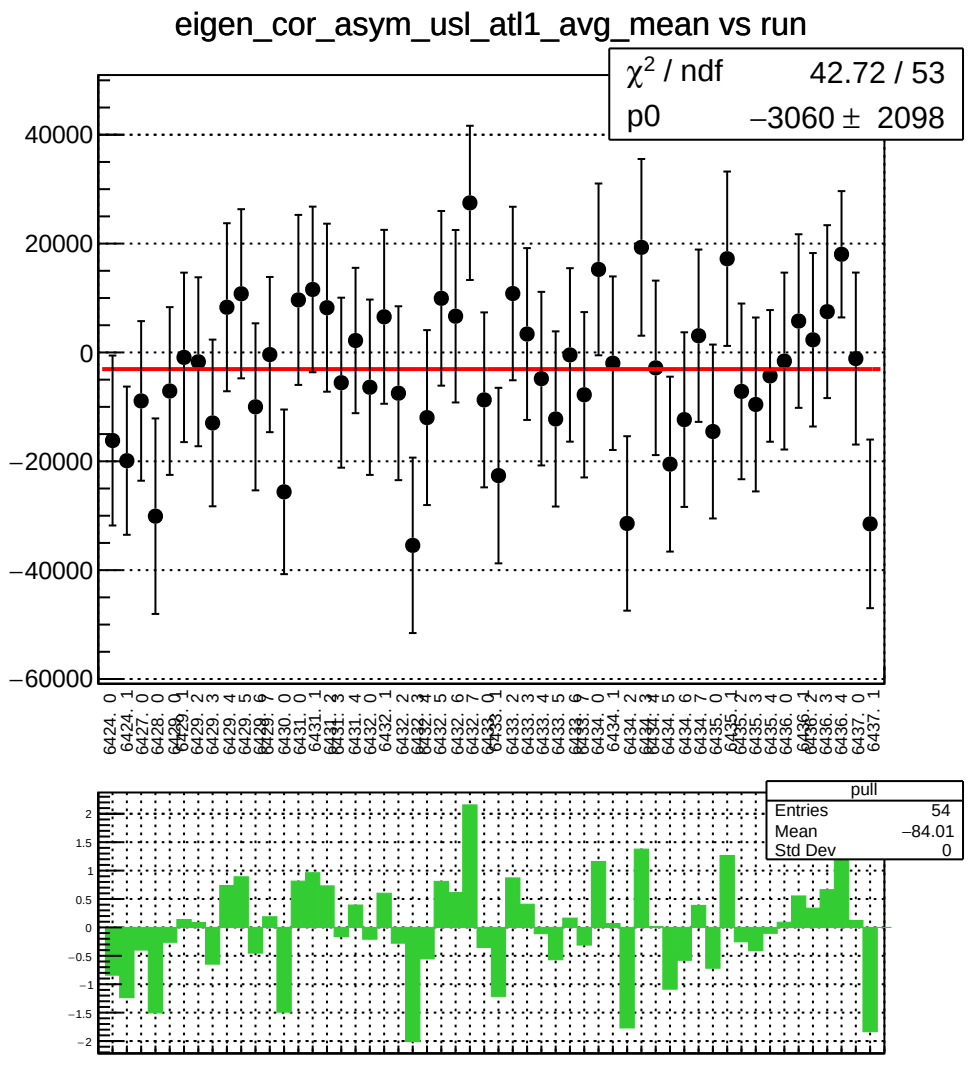

pull1D
Entries 54
Mean −0.01703
Std Dev 0.8893
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

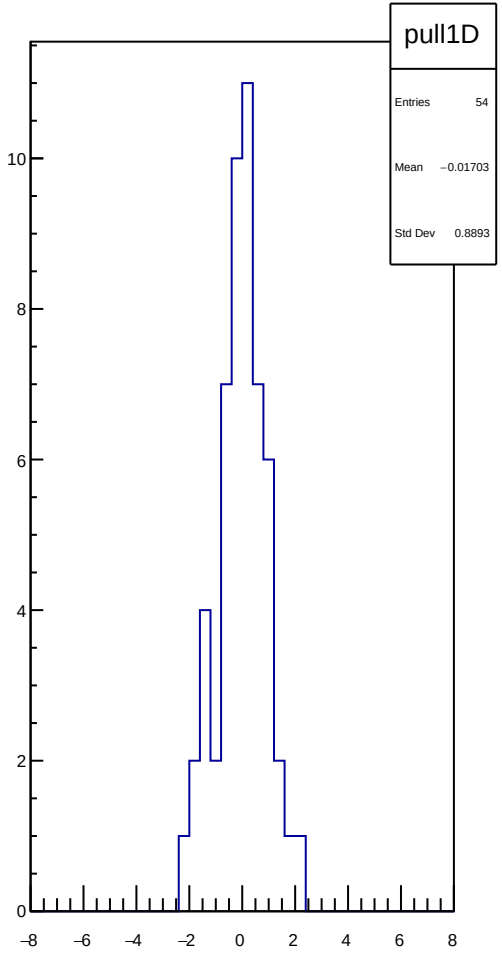

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 305.9 / 53
p0 1500 ± 1.484
1560
1540
1520
1500
1480
1460
1440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

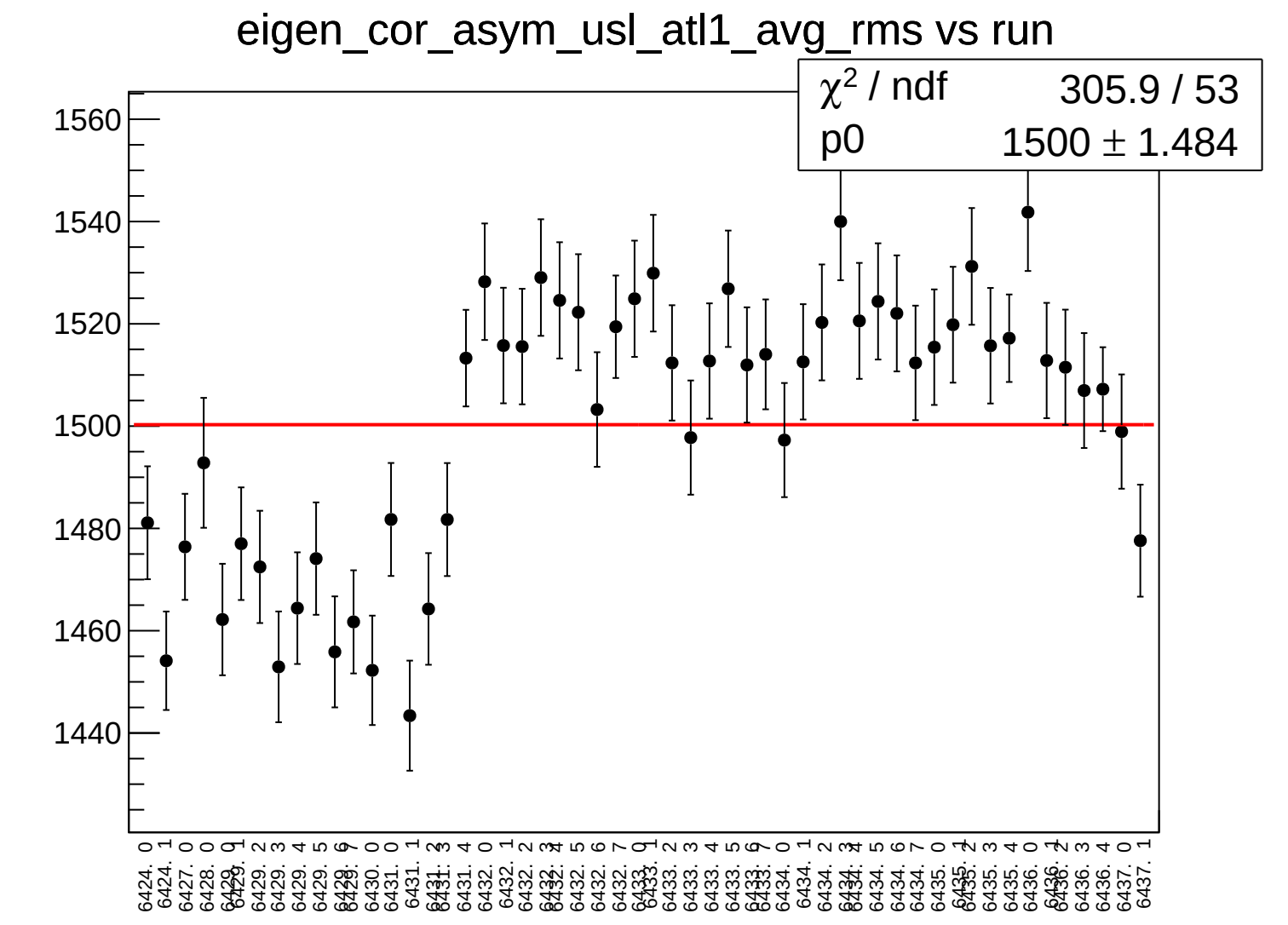

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 55.69 / 53
p0 −512 ± 1504
pull
Entries 54
Mean 269.5
Std Dev 0

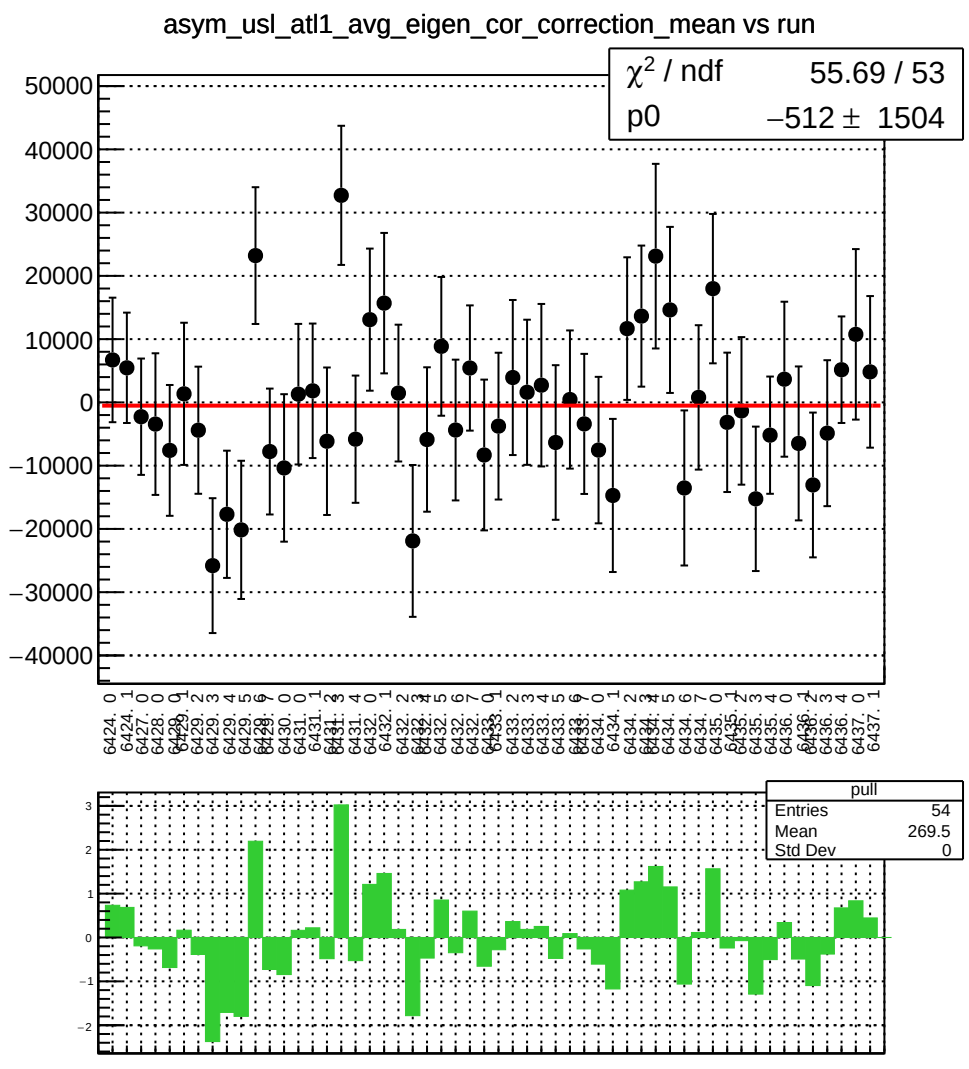

pull1D
Entries 54
Mean 0.005856
Std Dev 1.016

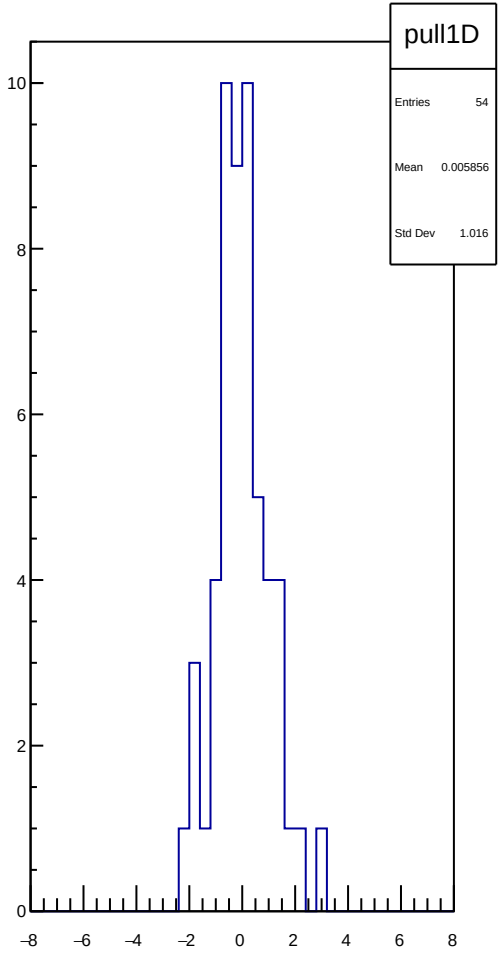

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 6049 / 53
p0 1072 ± 1.063
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

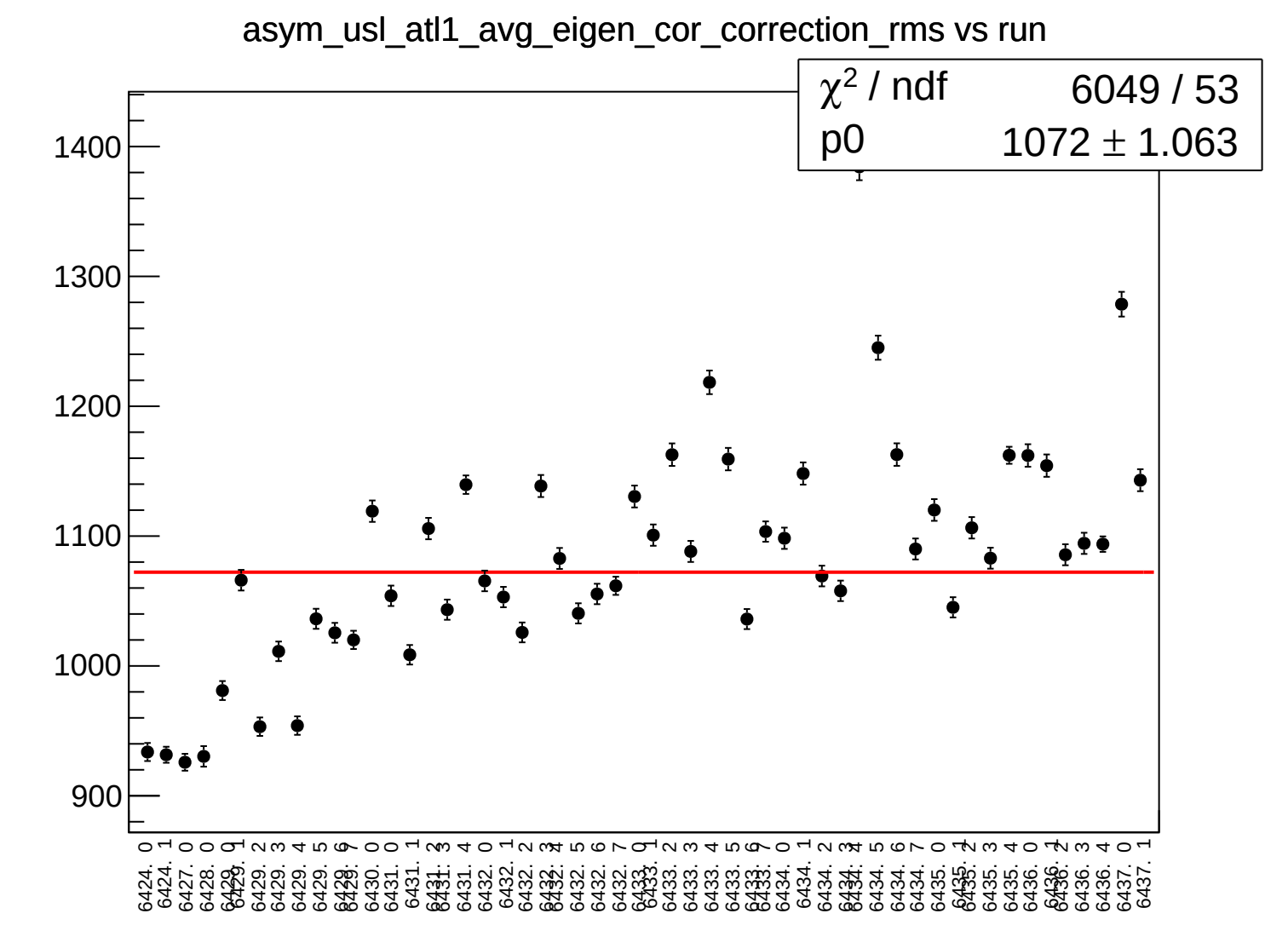

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 42.72 / 53
p0 −3060 ± 2098
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −84.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

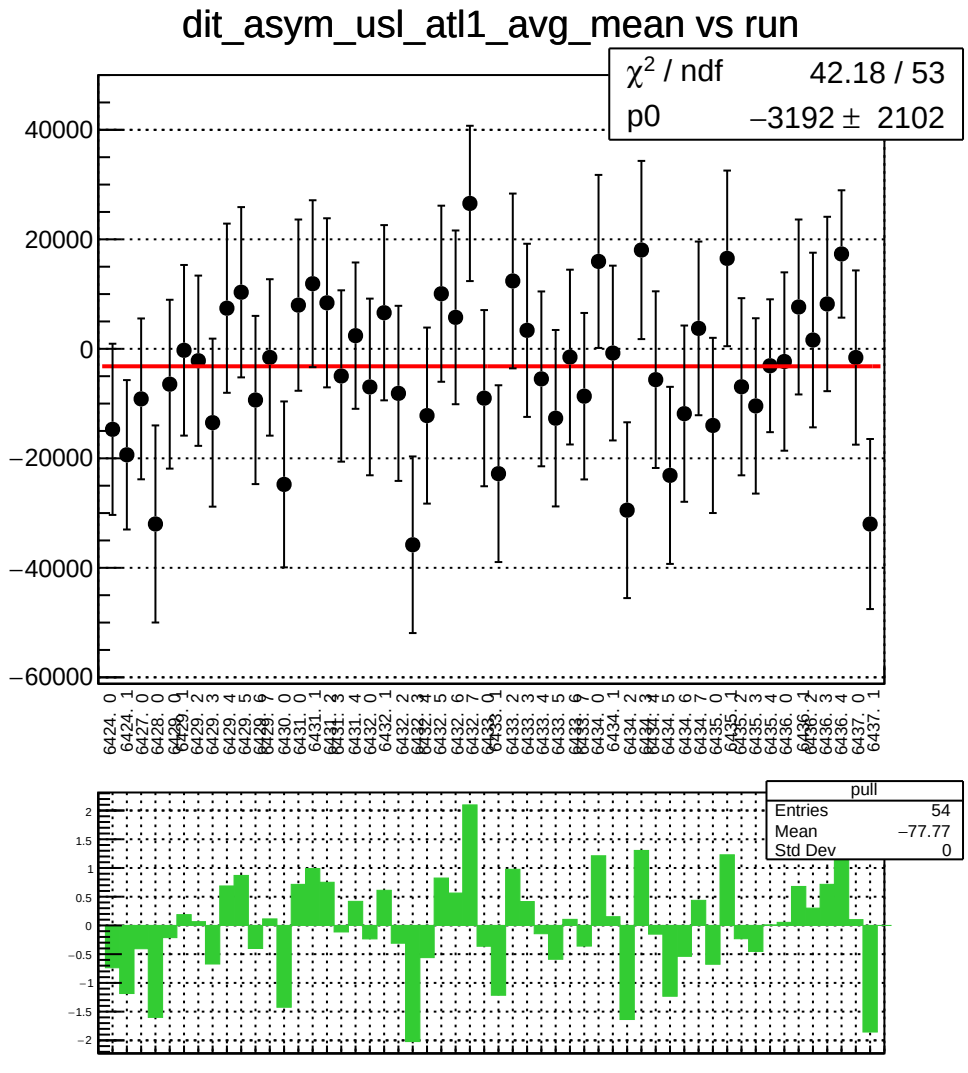

pull1D
Entries 54
Mean −0.01703
Std Dev 0.8893
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

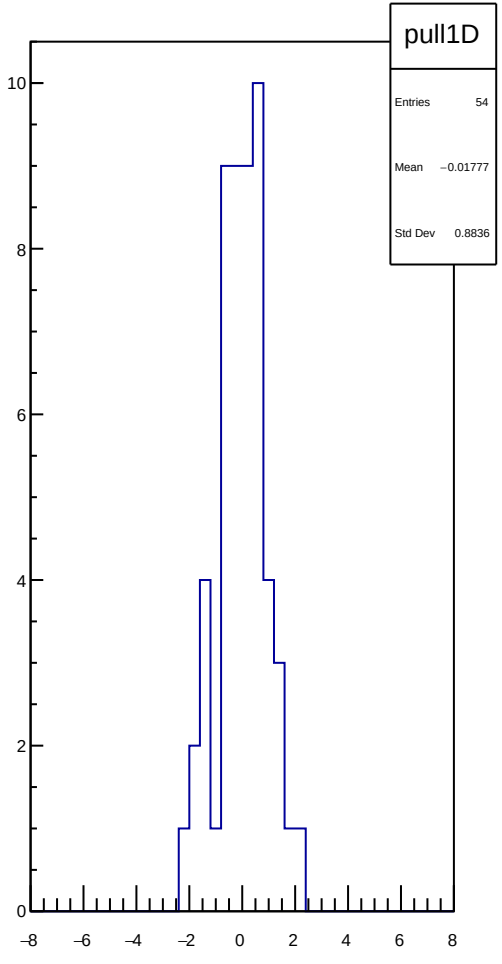

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 305.9 / 53
p0 1500 ± 1.484
1560
1540
1520
1500
1480
1460
1440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

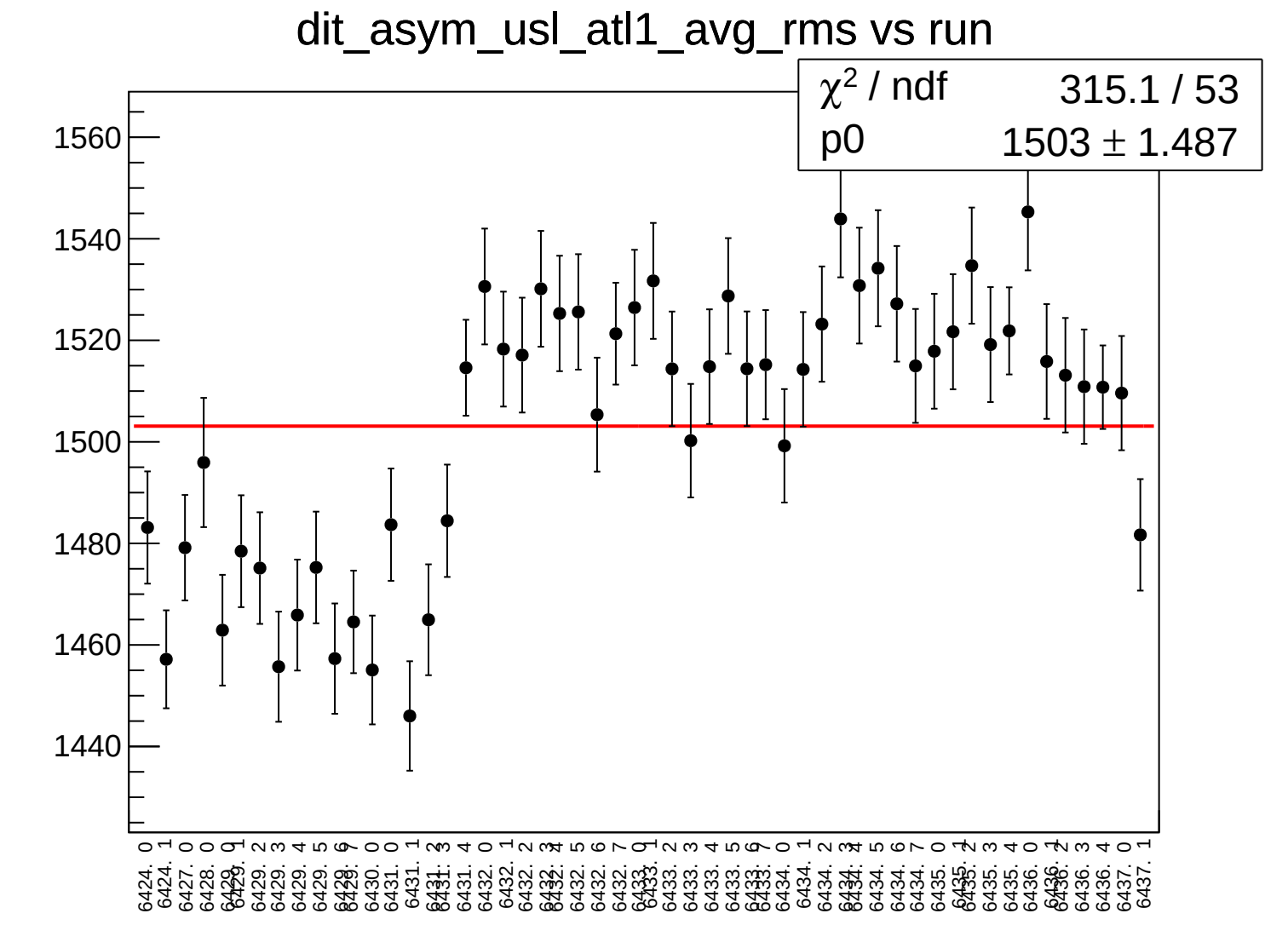

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.69 / 53
p0 −512 ± 1504
pull
Entries 54
Mean 269.5
Std Dev 0

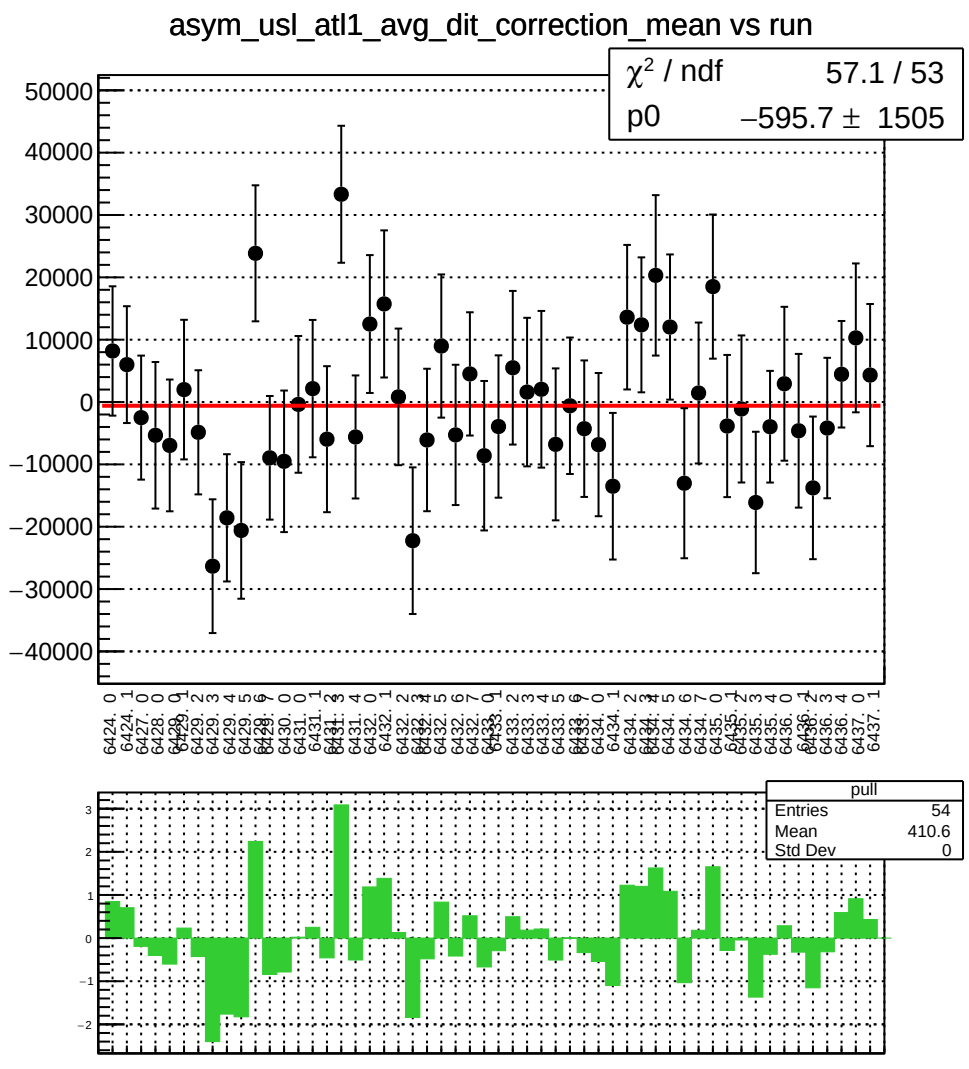

pull1D
Entries 54
Mean 0.005856
Std Dev 1.016

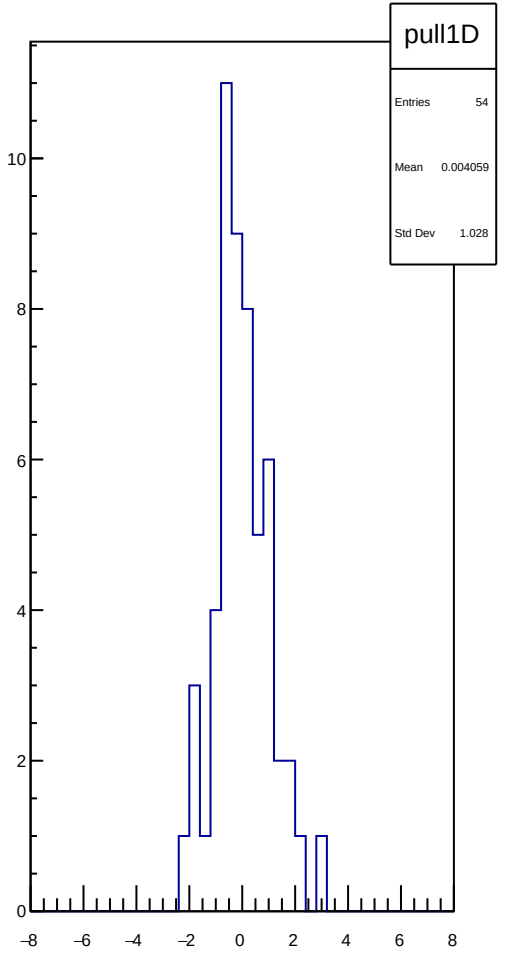

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 6049 / 53
p0 1072 ± 1.063
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

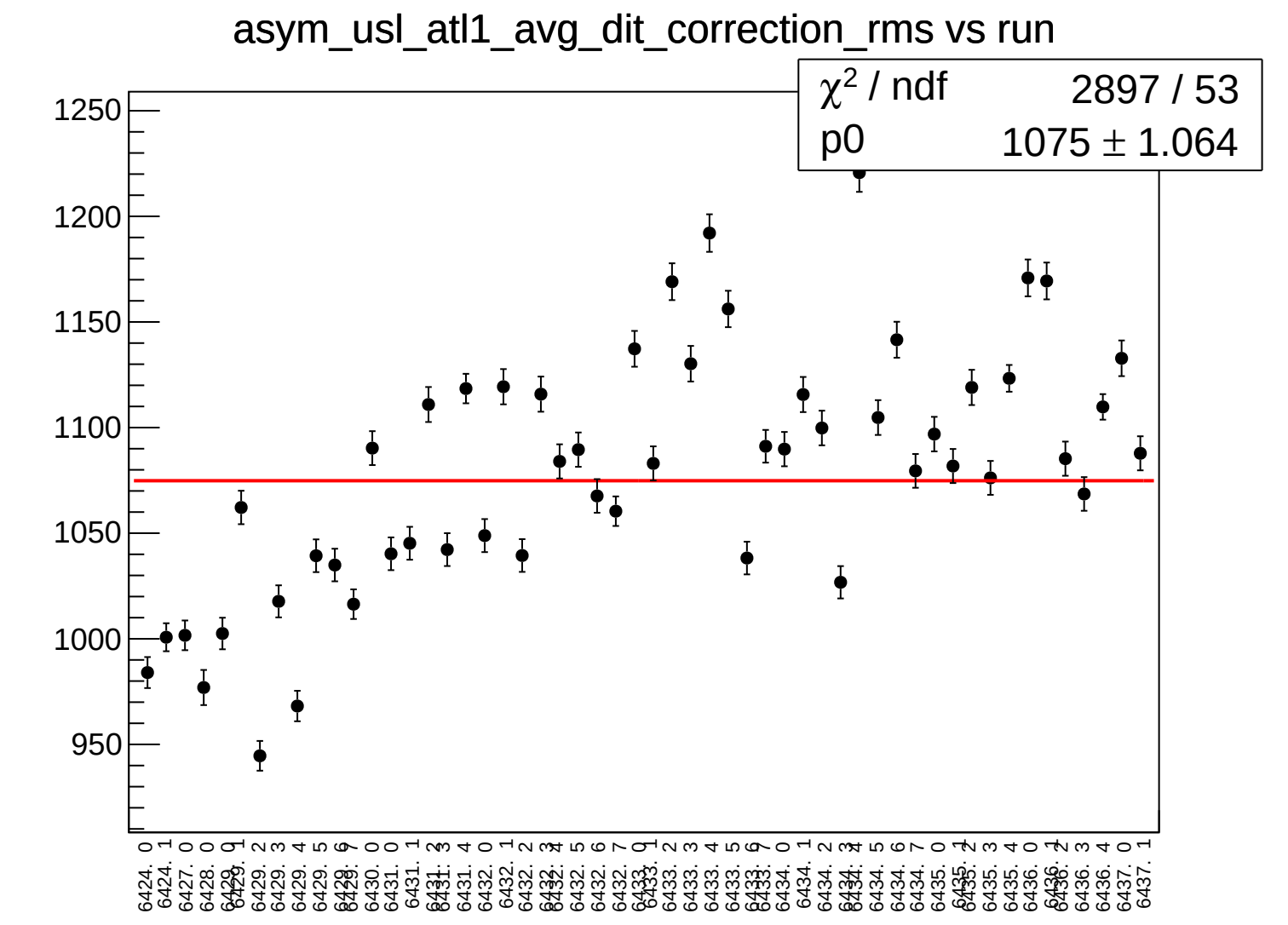

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 42.18 / 53
p0 −3192 ± 2102
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −77.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

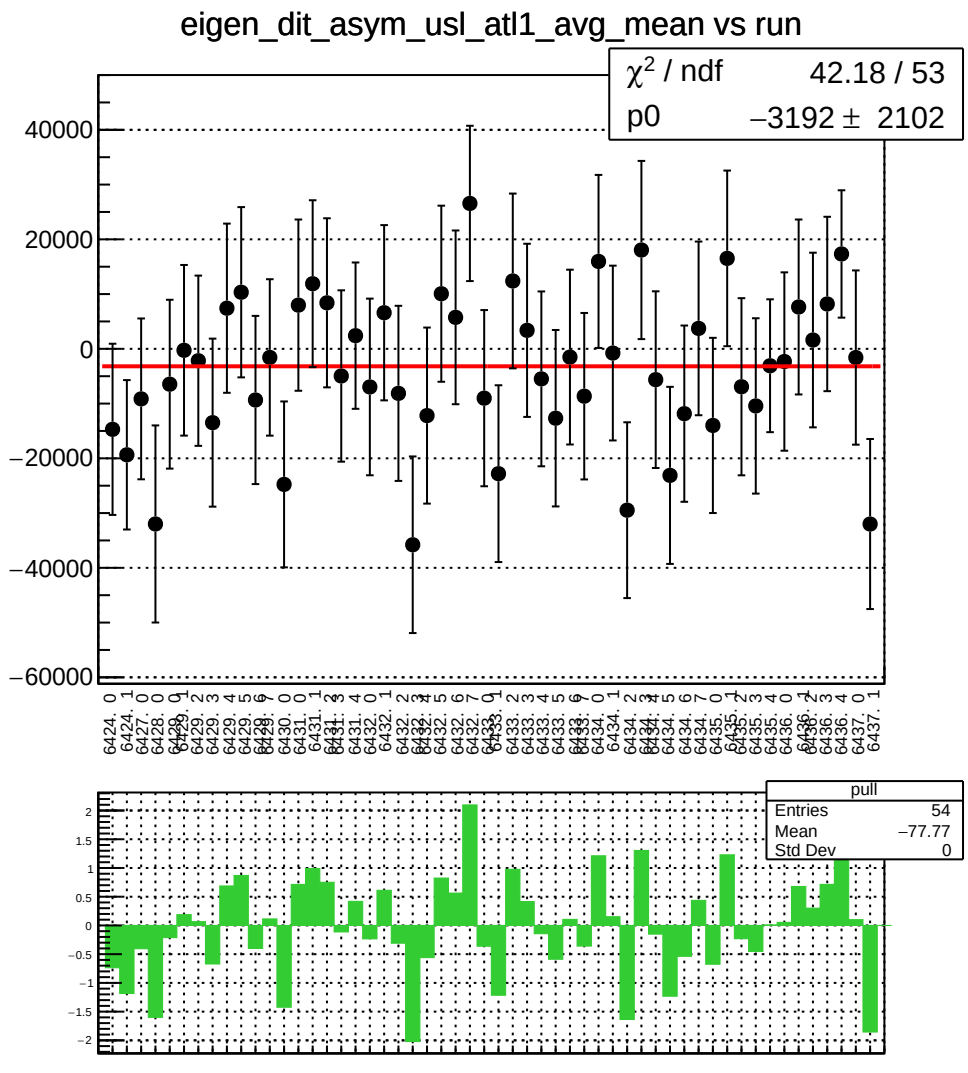

pull1D
Entries 54
Mean −0.01777
Std Dev 0.8836
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

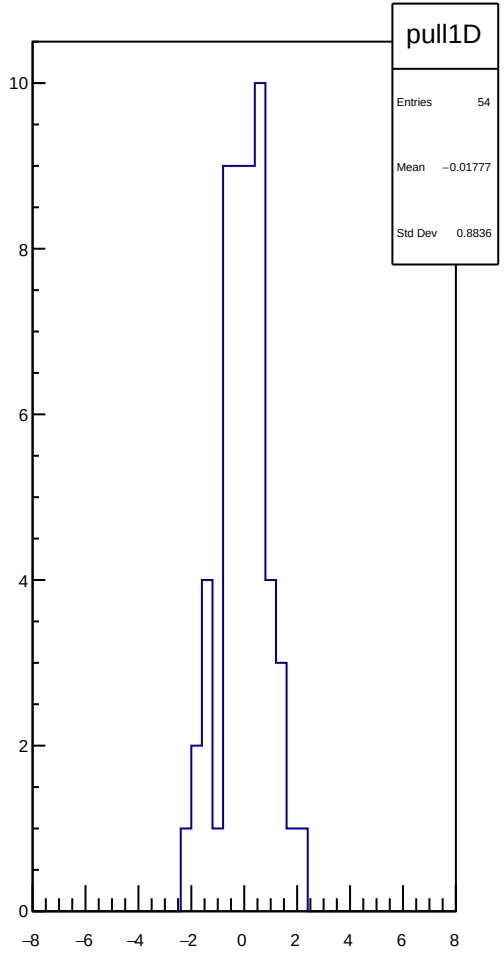

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 315.1 / 53
p0 1503 ± 1.487
1560
1540
1520
1500
1480
1460
1440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

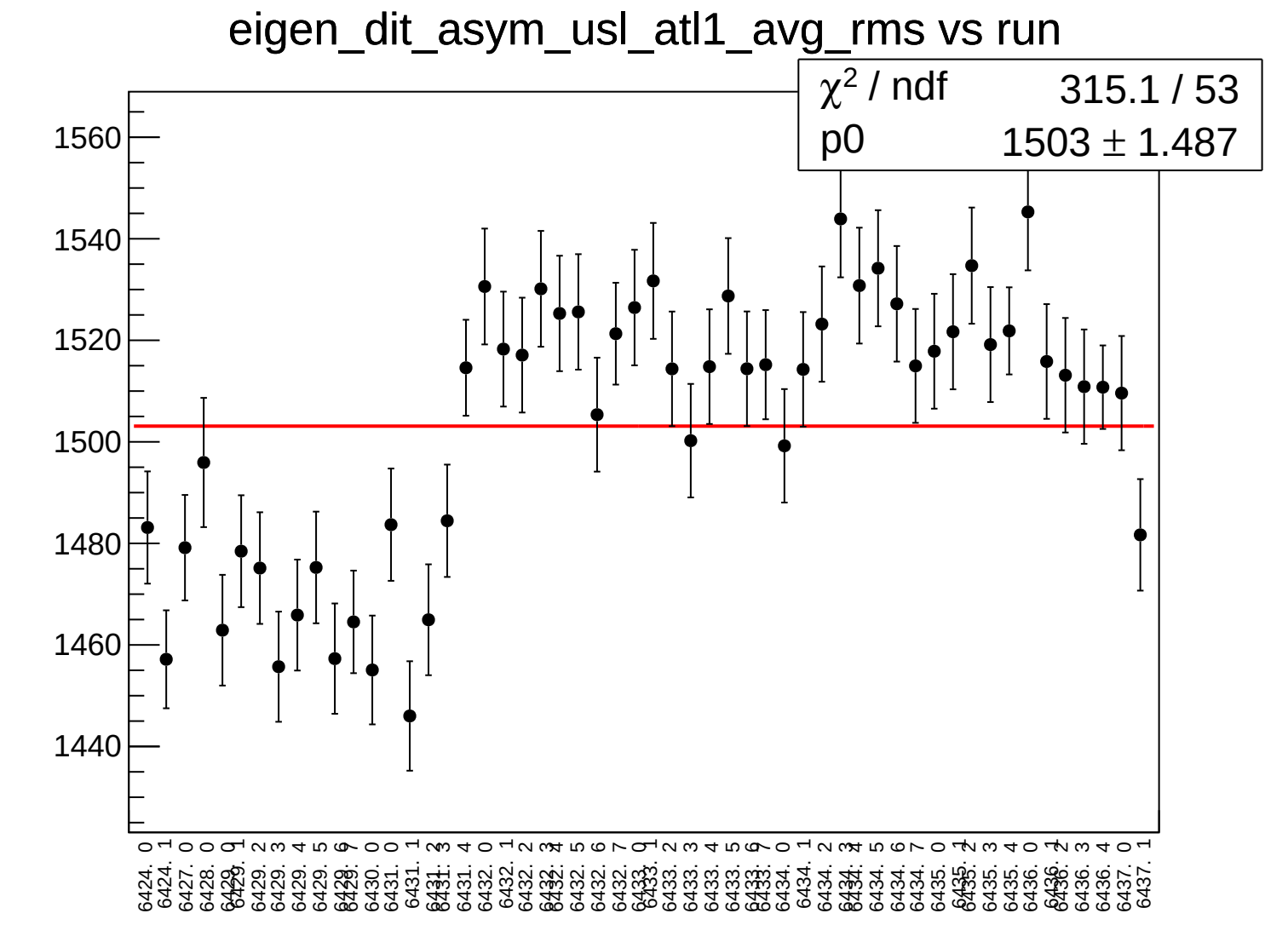

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 57.1 / 53
p0 −595.7 ± 1505
pull
Entries 54
Mean 410.6
Std Dev 0

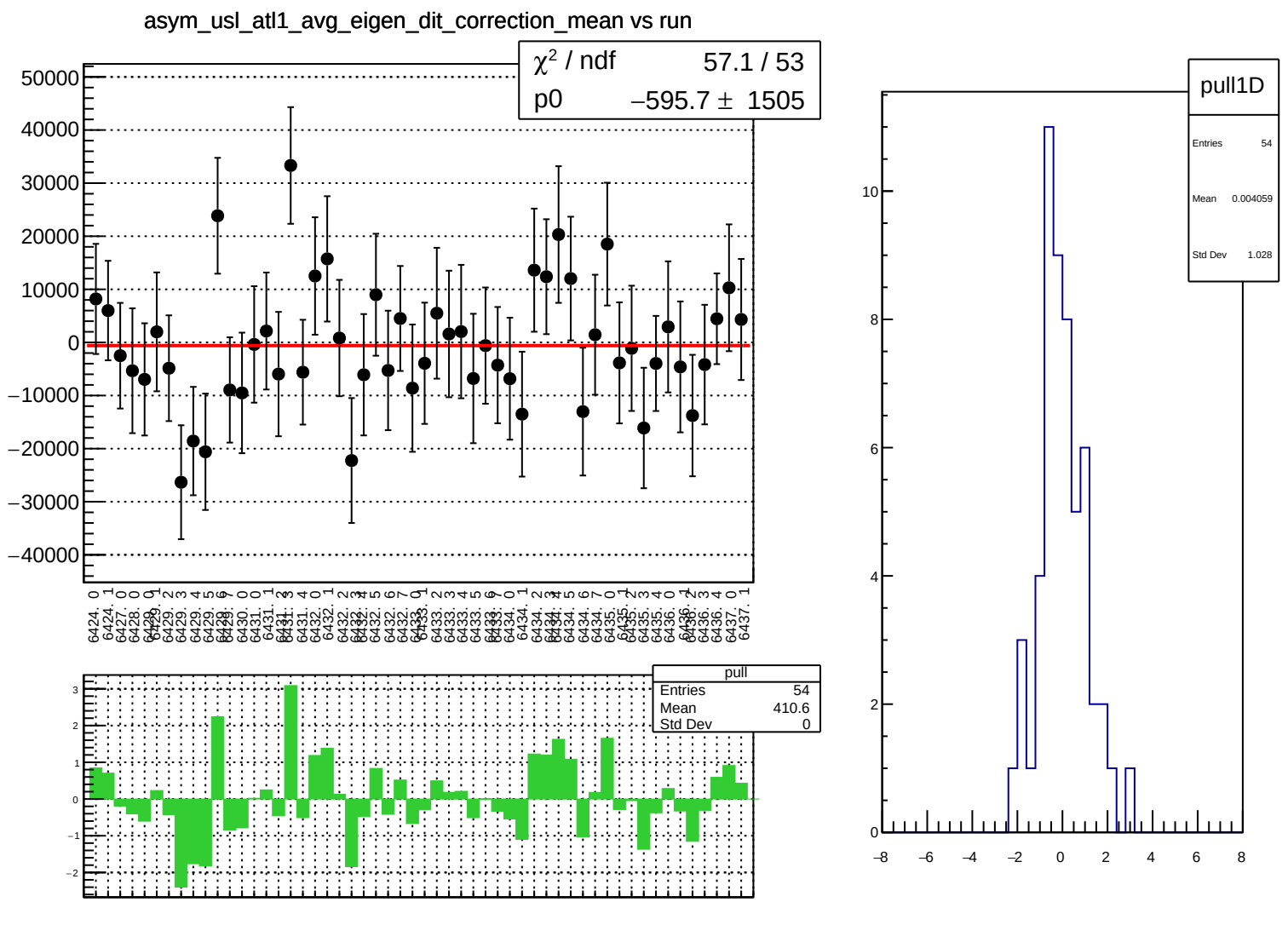

pull1D
Entries 54
Mean 0.004059
Std Dev 1.028

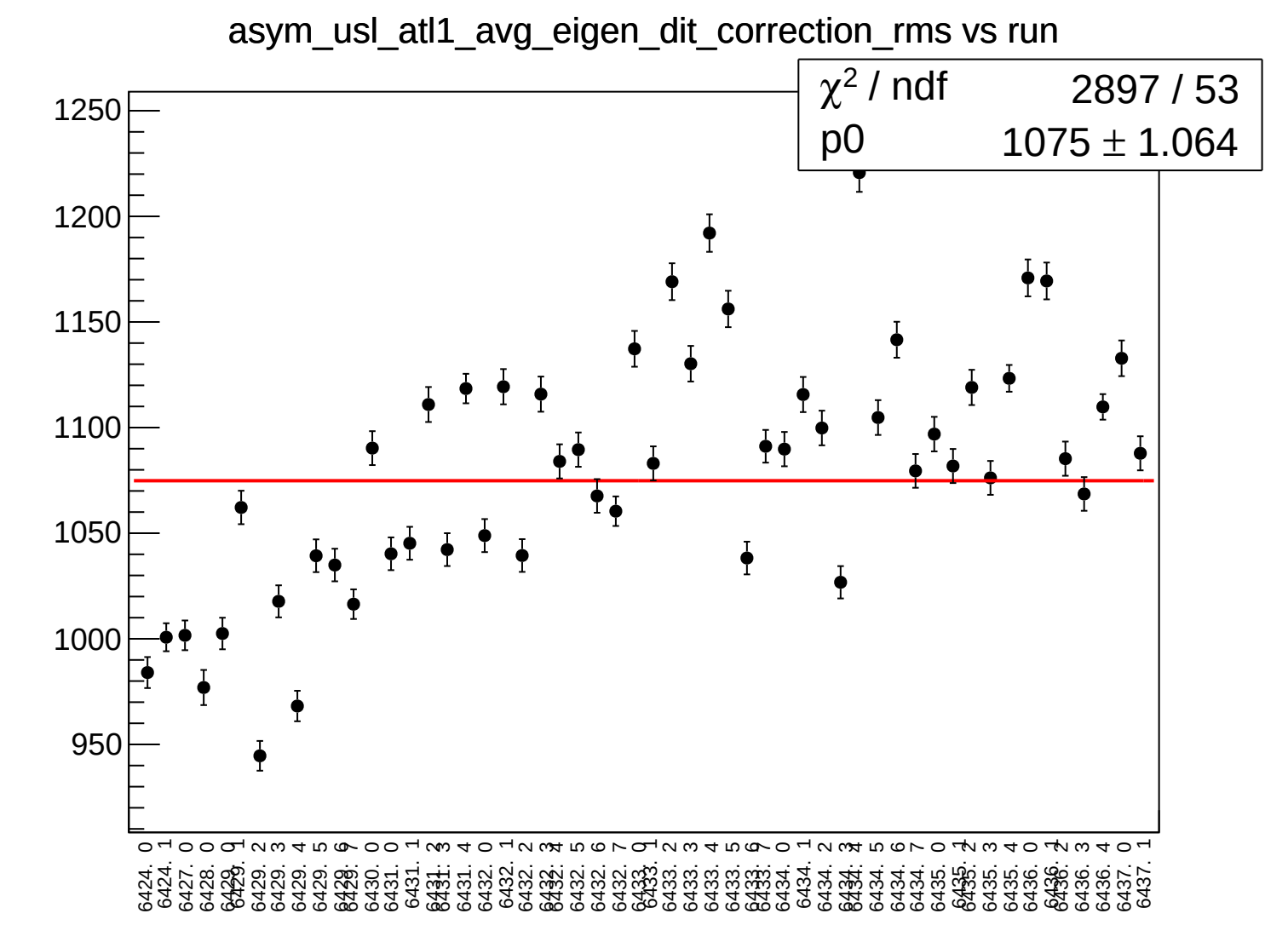

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2897 / 53
p0 1075 ± 1.064
1250
1200
1150
1100
1050
1000
950
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

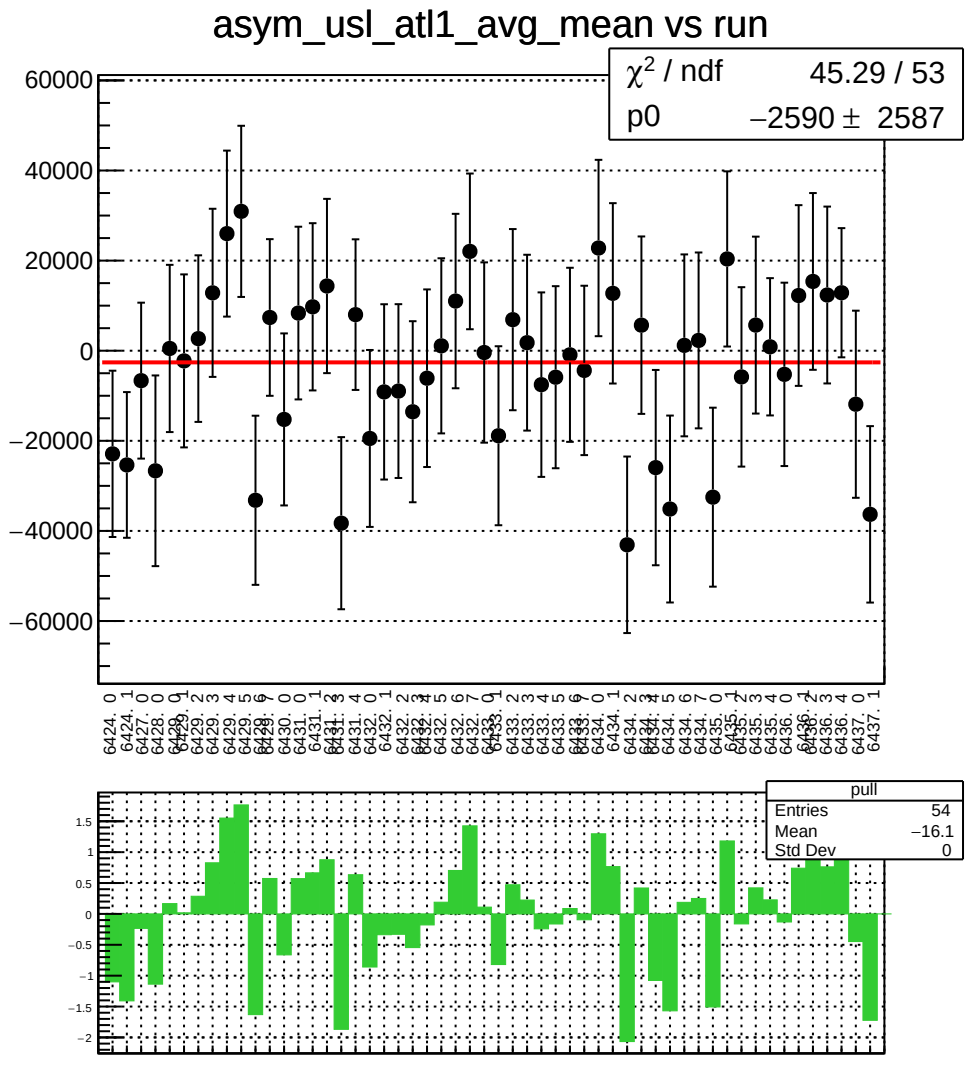

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 42.18 / 53
p0 −3192 ± 2102
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −77.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

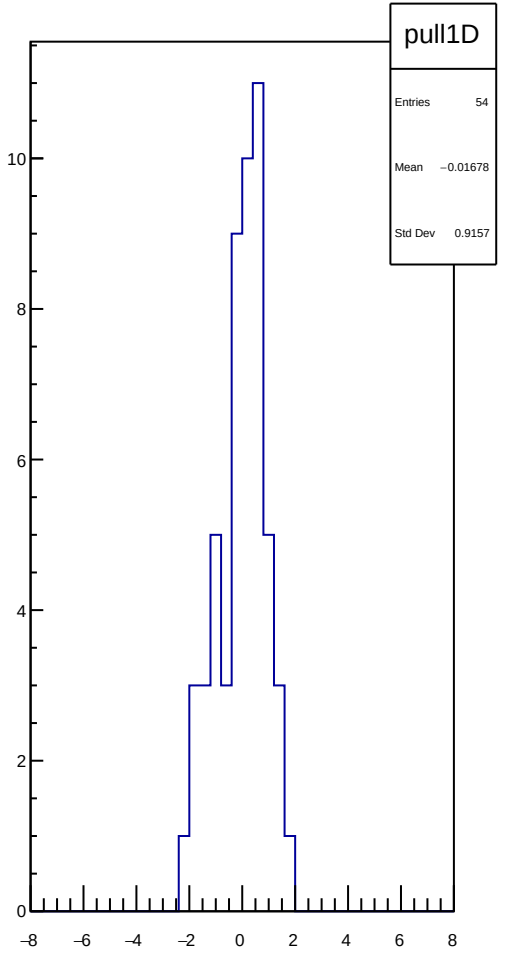

pull1D
Entries 54
Mean −0.01777
Std Dev 0.8836
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

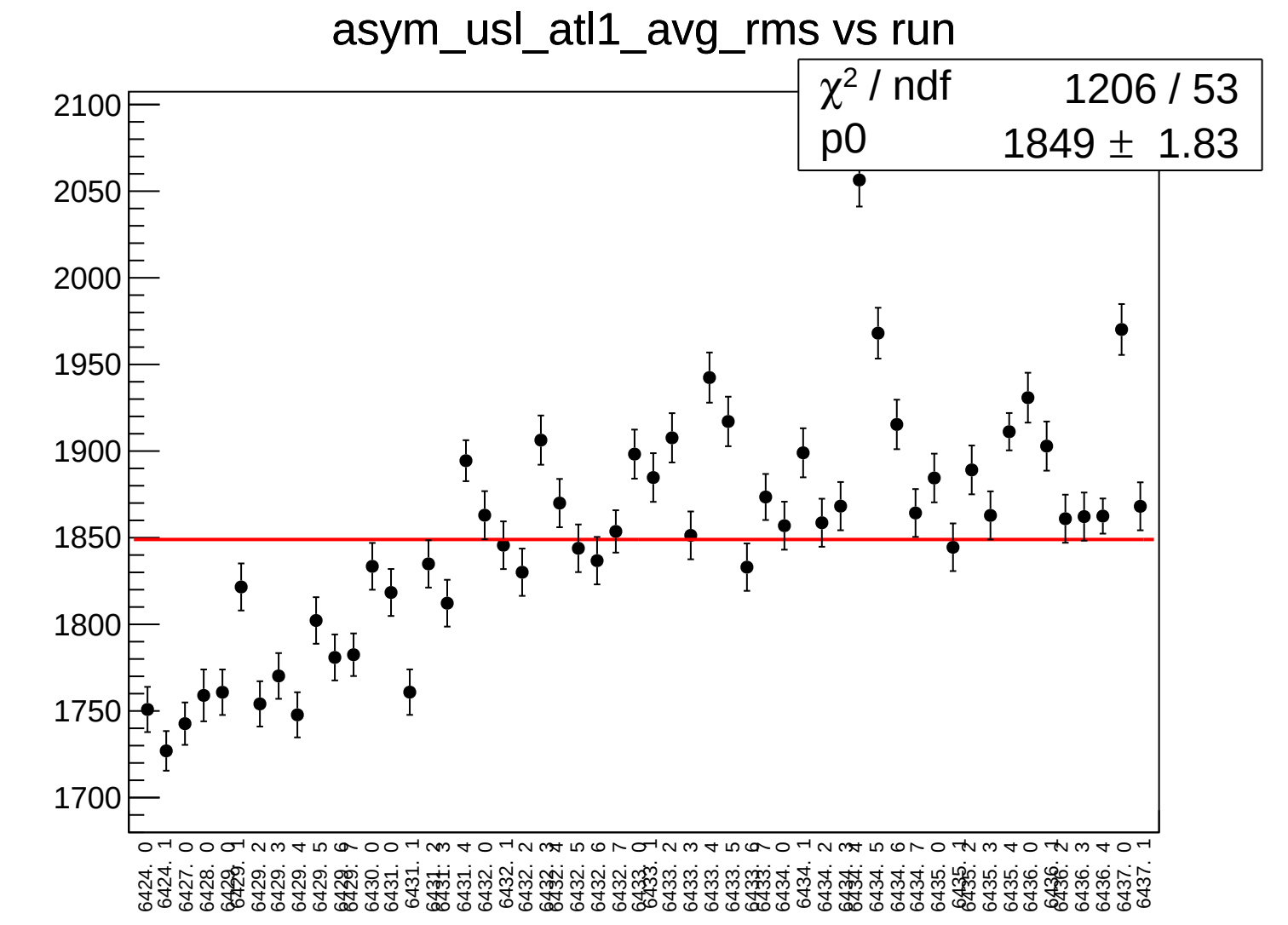

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 315.1 / 53
p0 1503 ± 1.487
1560
1540
1520
1500
1480
1460
1440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

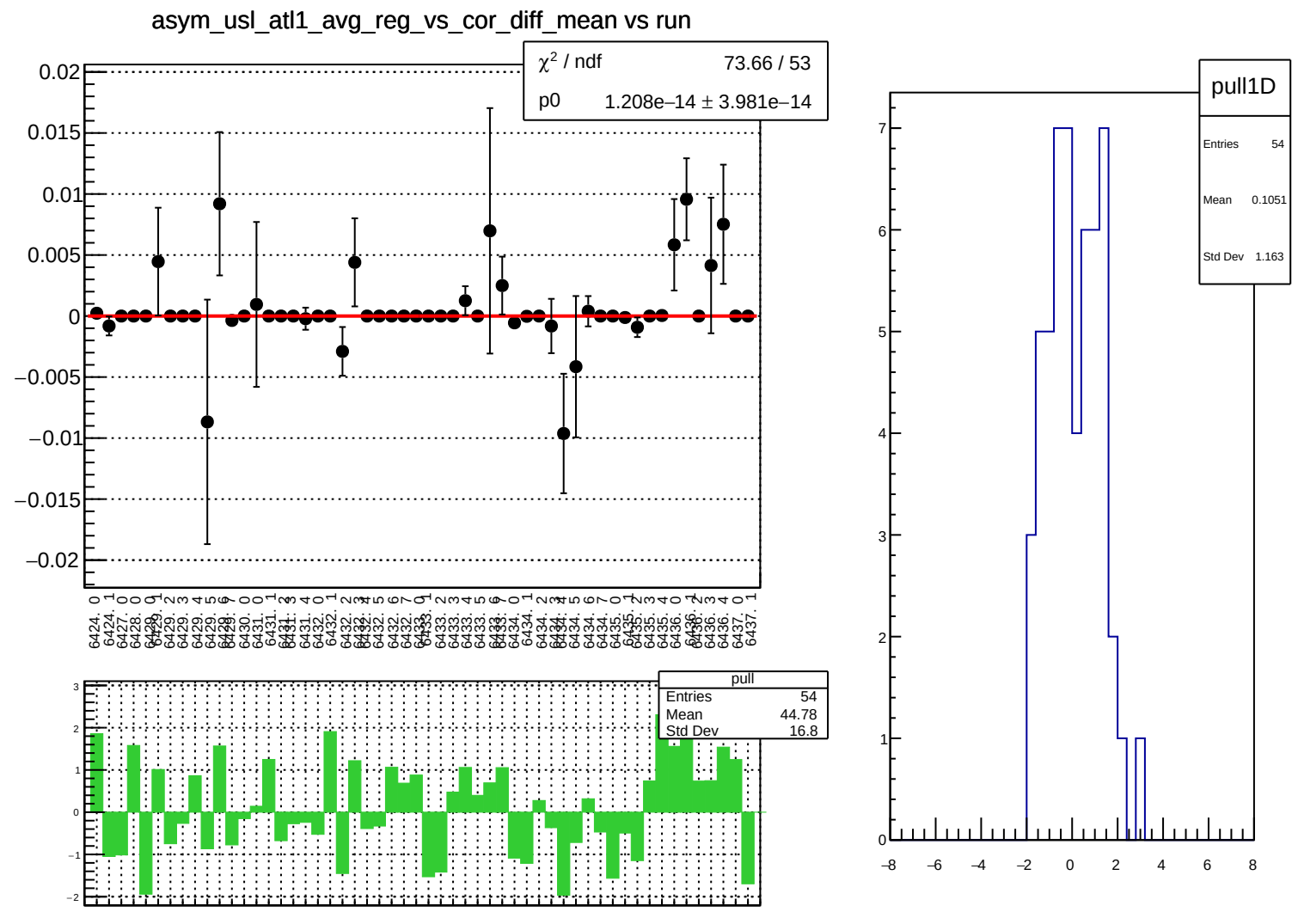

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.1 / 53
p0 −595.7 ± 1505
pull
Entries 54
Mean 410.6
Std Dev 0
pull1D
Entries 54
Mean 0.004059
Std Dev 1.028

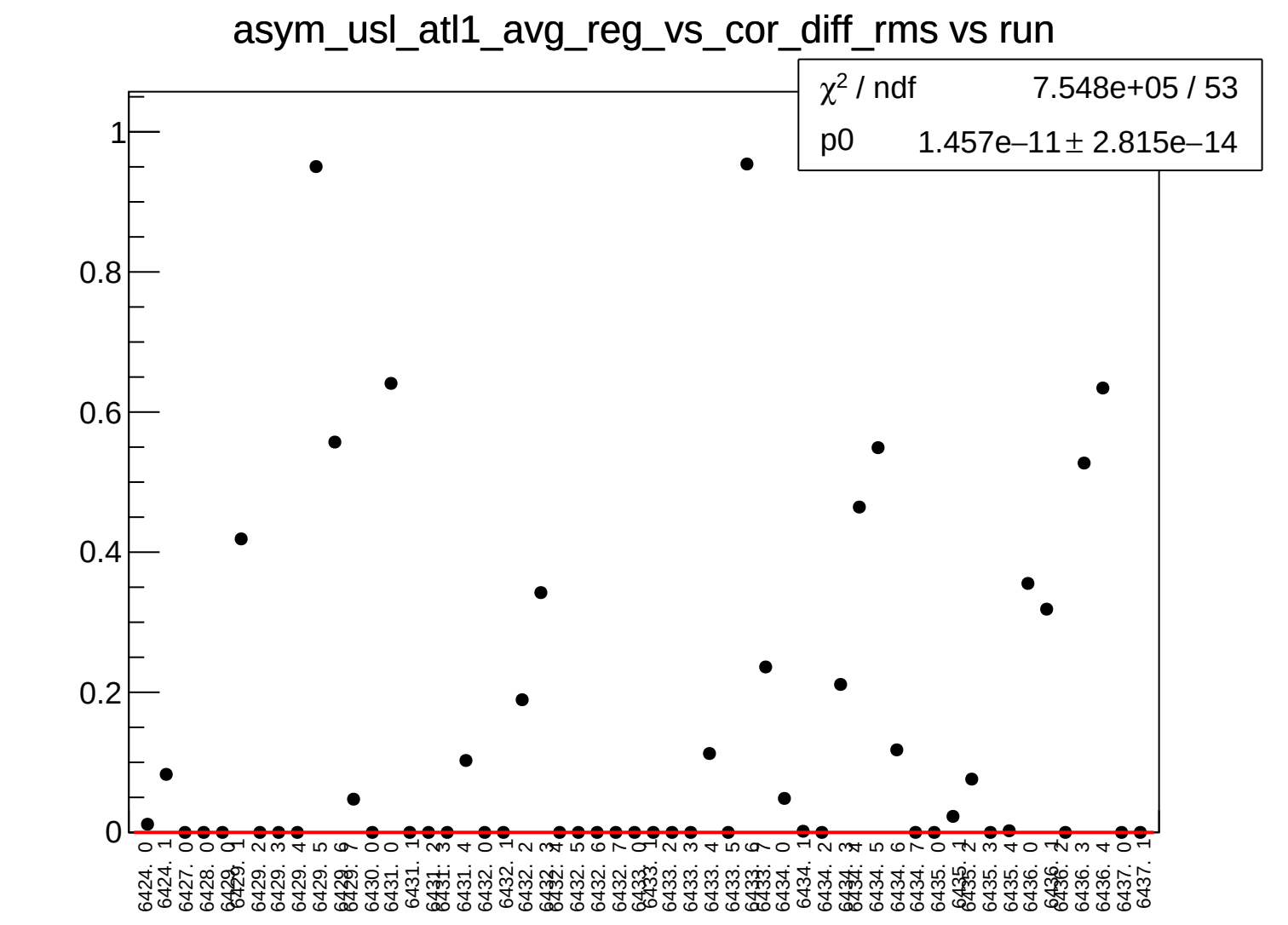

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2897 / 53
p0 1075 ± 1.064
1250
1200
1150
1100
1050
1000
950
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

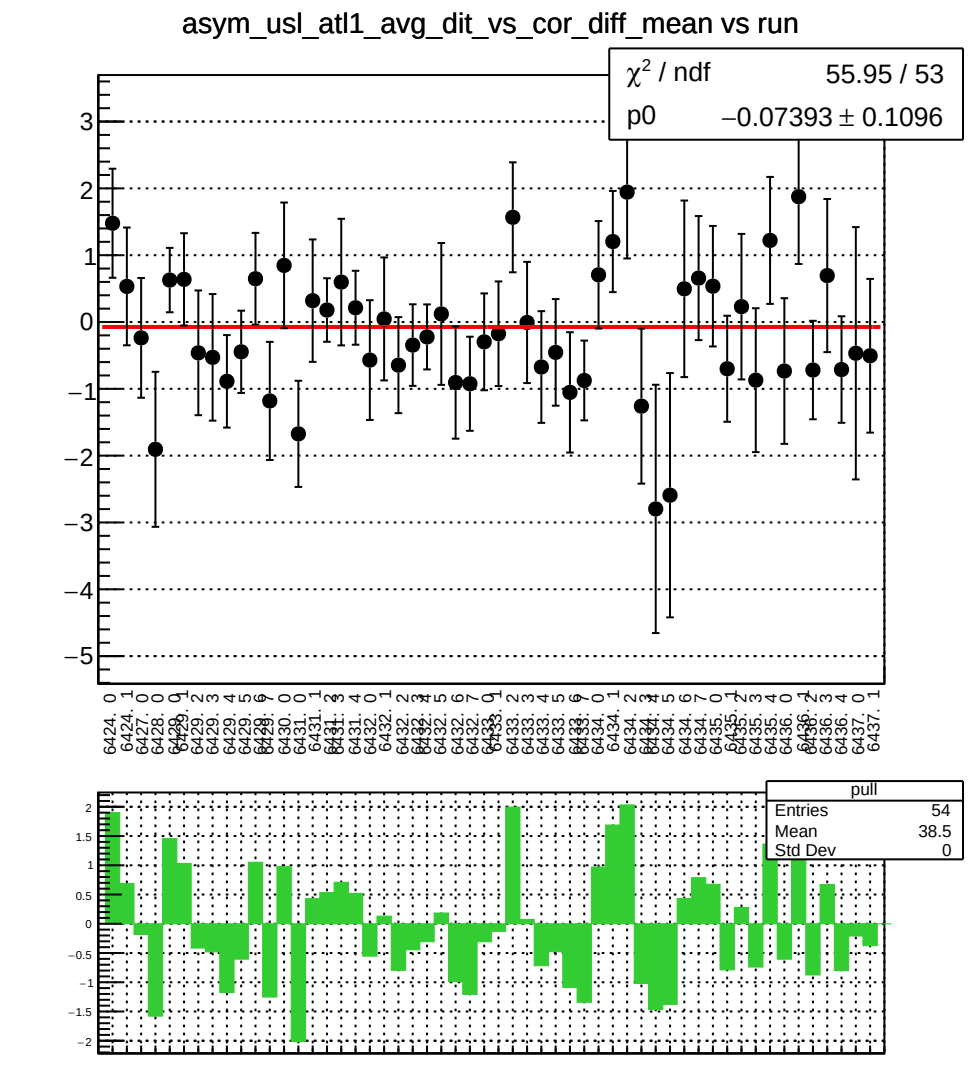

asym_usl_atl1_avg_mean vs run
χ² / ndf 45.29 / 53
p0 −2590 ± 2587
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −16.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

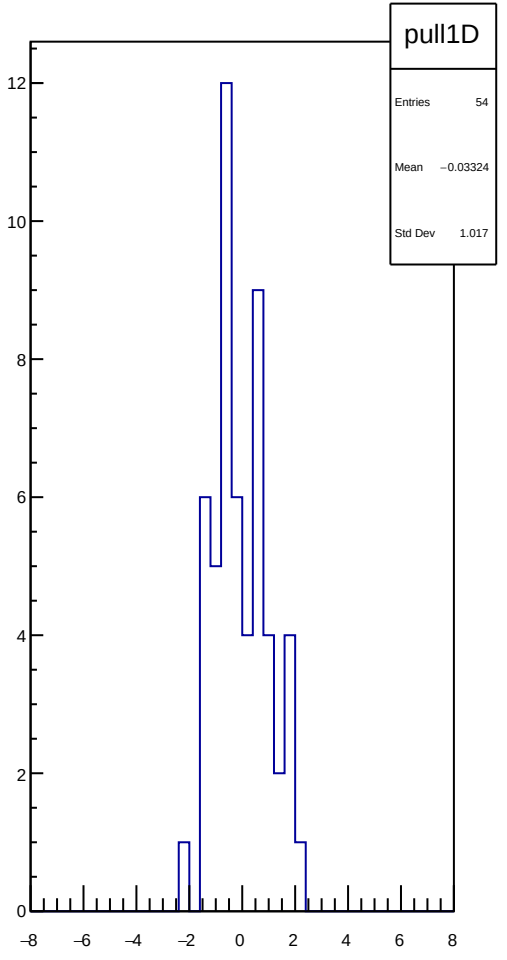

pull1D
Entries 54
Mean −0.01678
Std Dev 0.9157
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

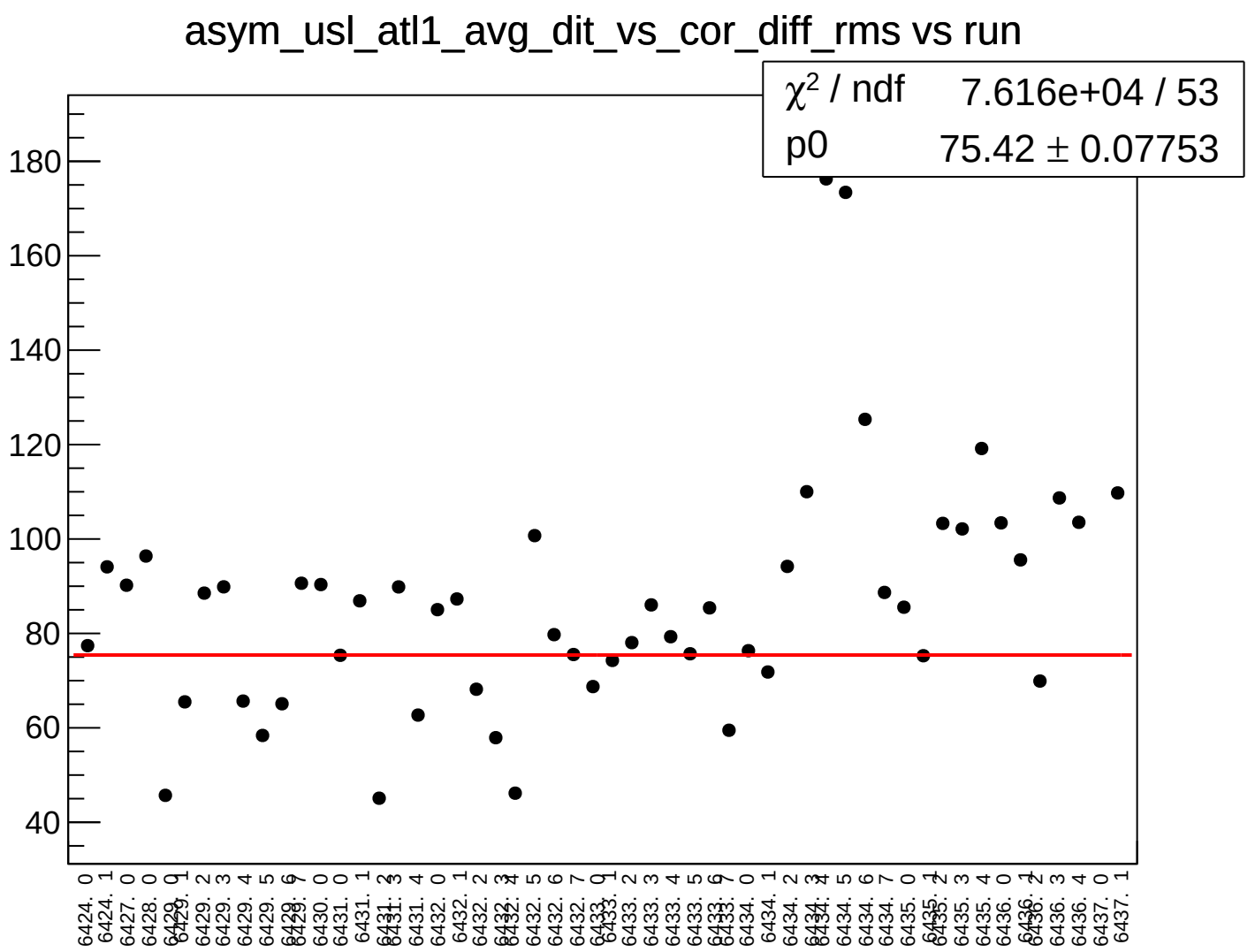

asym_usl_atl1_avg_rms vs run
χ² / ndf 1206 / 53
p0 1849 ± 1.83
2100
2050
2000
1950
1900
1850
1800
1750
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

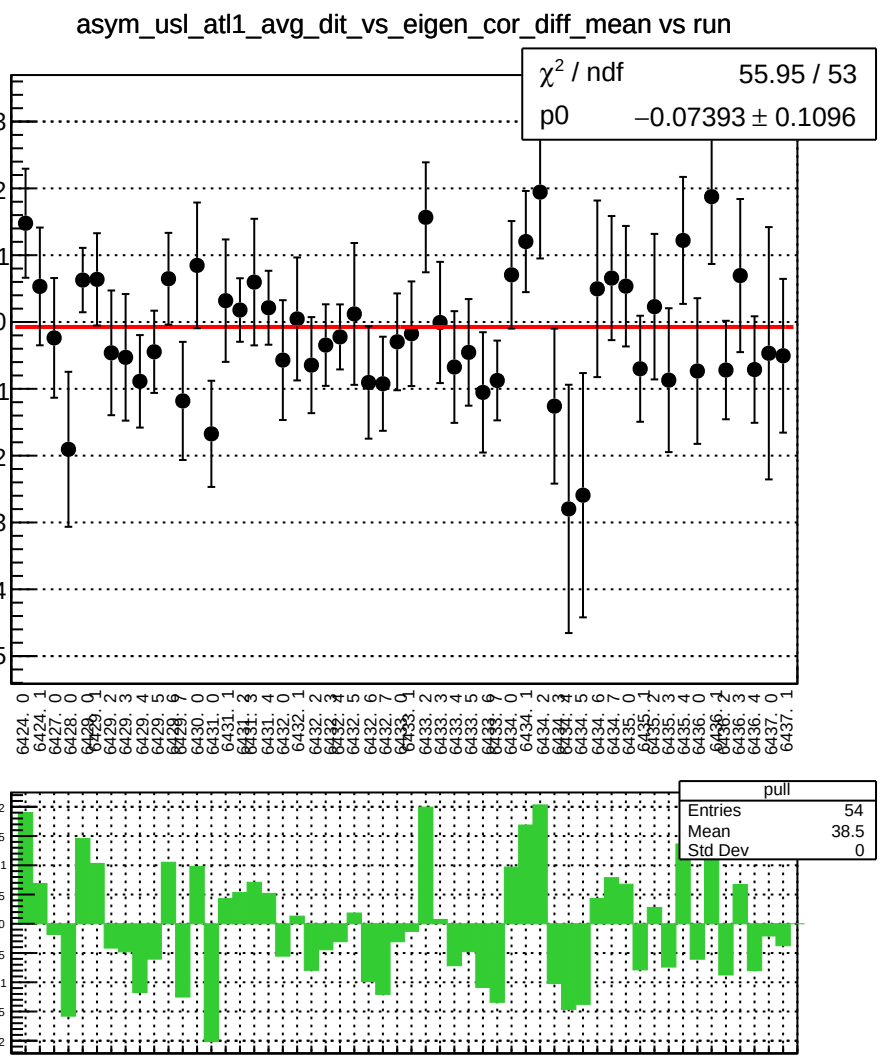

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.66 / 53
p0 1.208e−14 ± 3.981e−14
pull
Entries 54
Mean 44.78
Std Dev 16.8
pull1D
Entries 54
Mean 0.1051
Std Dev 1.163

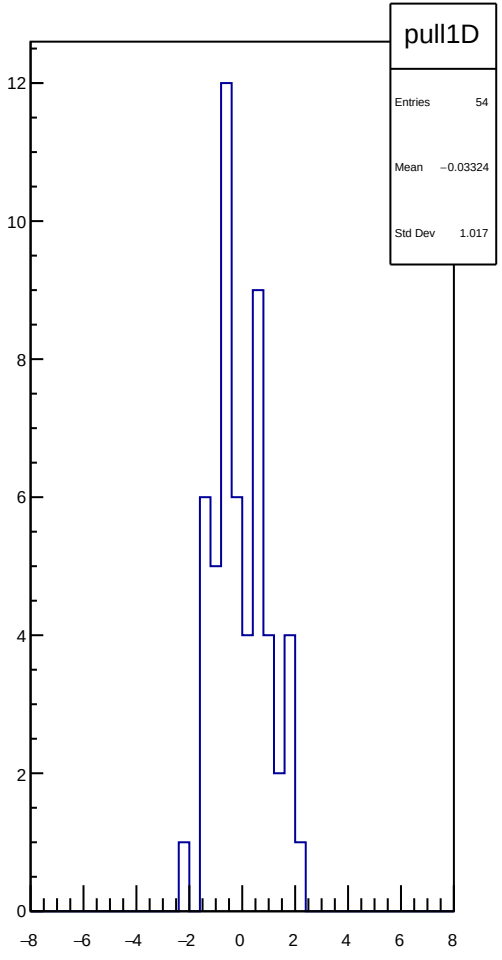

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.548e+05 / 53
p0 1.457e−11 ± 2.815e−14
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

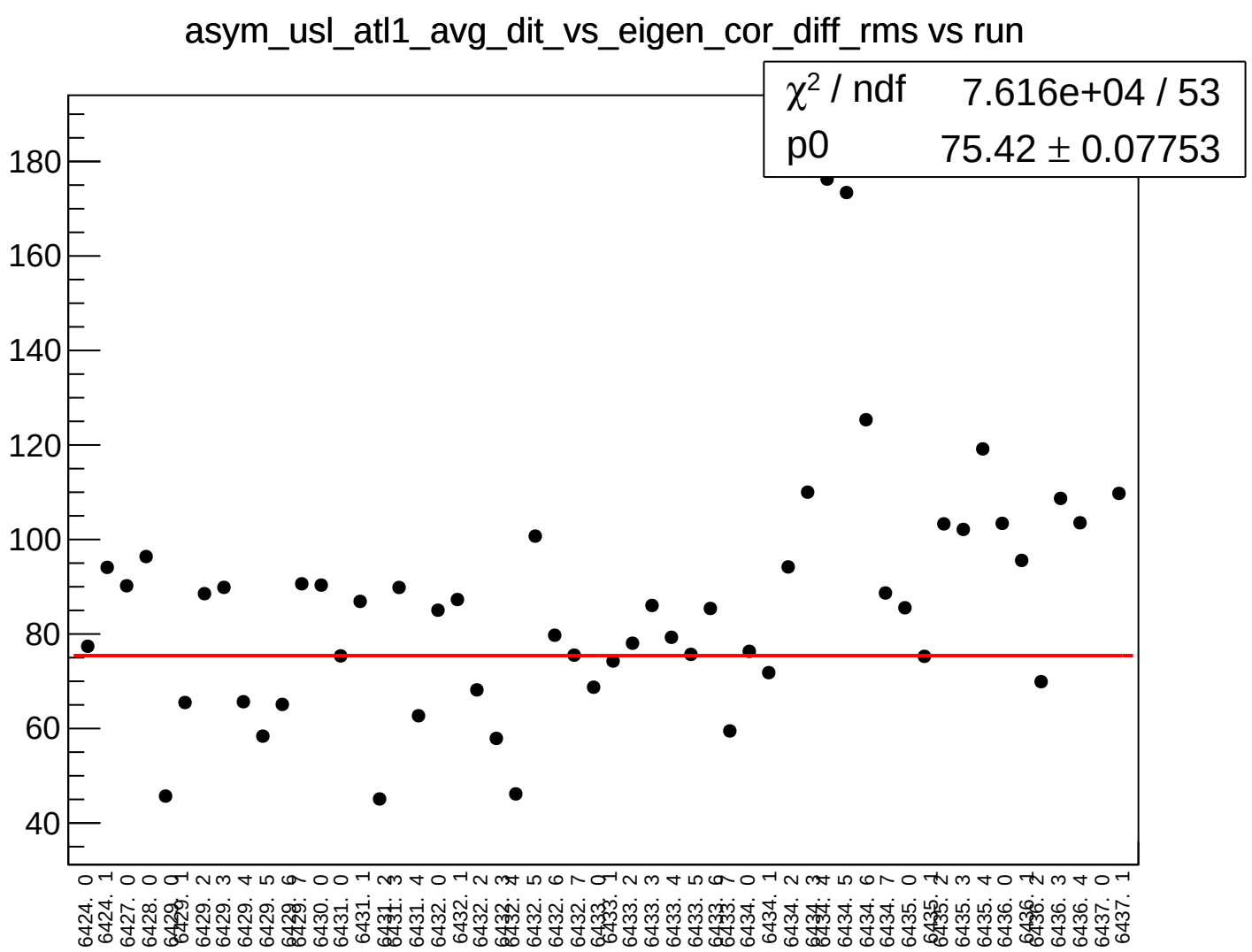

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.95 / 53
p0 −0.07393 ± 0.1096
pull
Entries 54
Mean 38.5
Std Dev 0

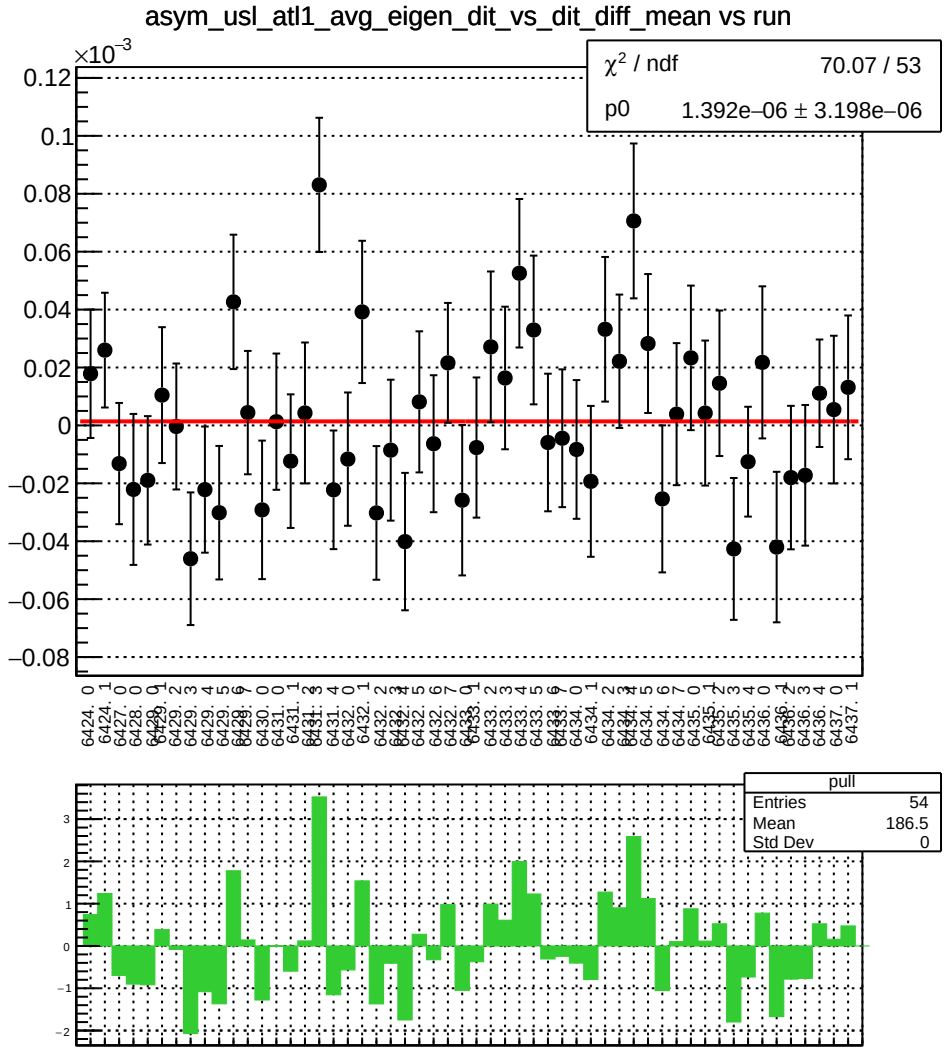

pull1D
Entries 54
Mean −0.03324
Std Dev 1.017

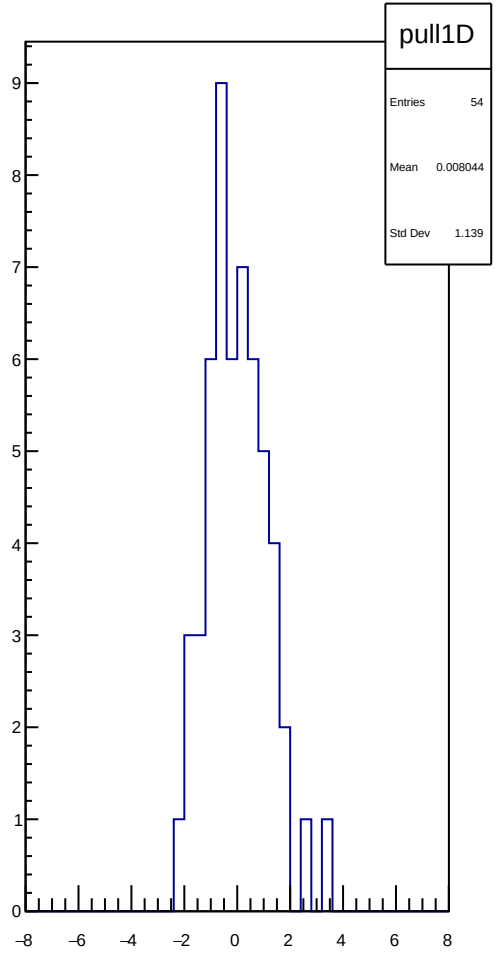

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.616e+04 / 53
p0 75.42 ± 0.07753
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

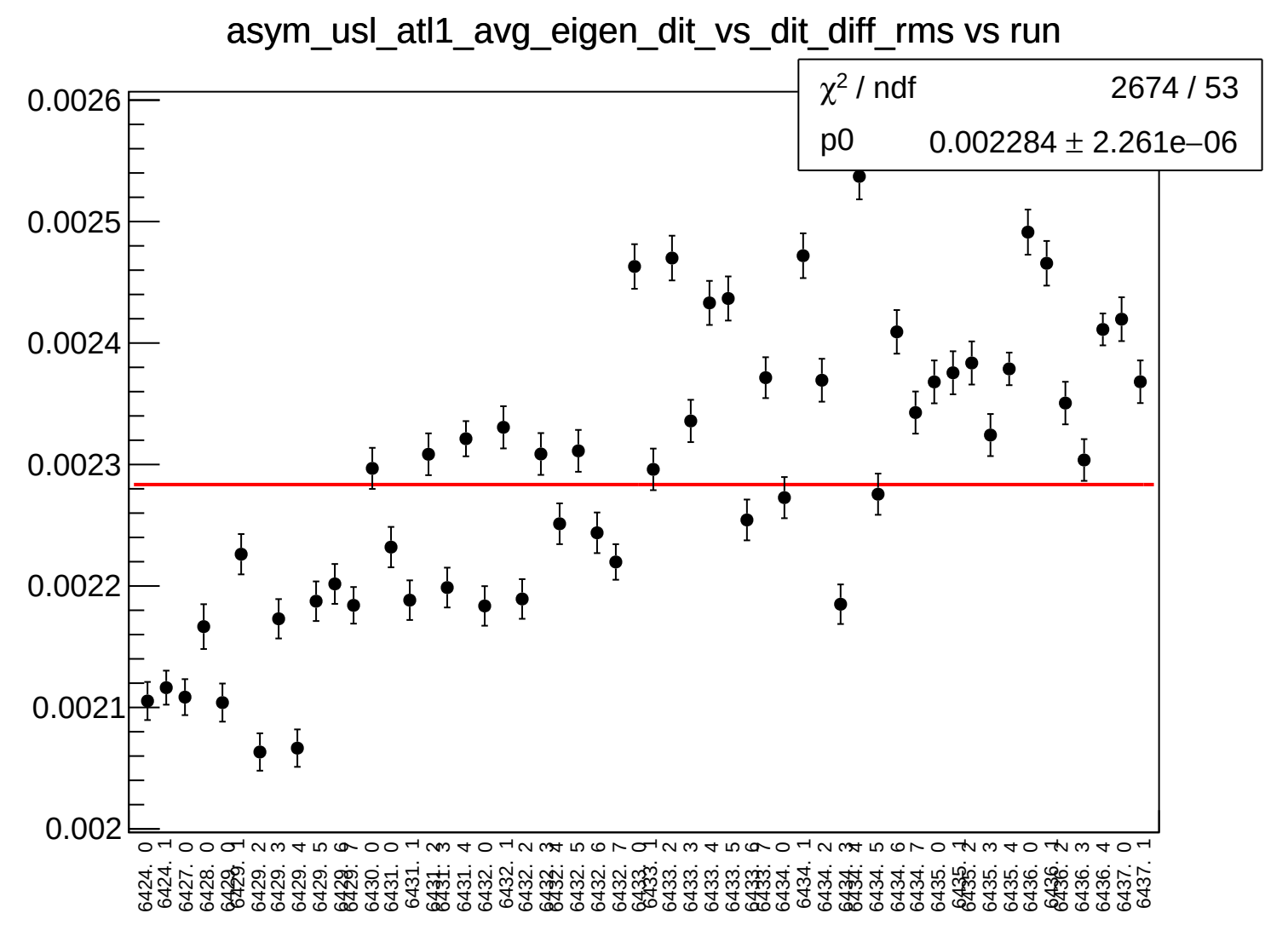

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.95 / 53
p0 −0.07393 ± 0.1096
pull
Entries 54
Mean 38.5
Std Dev 0

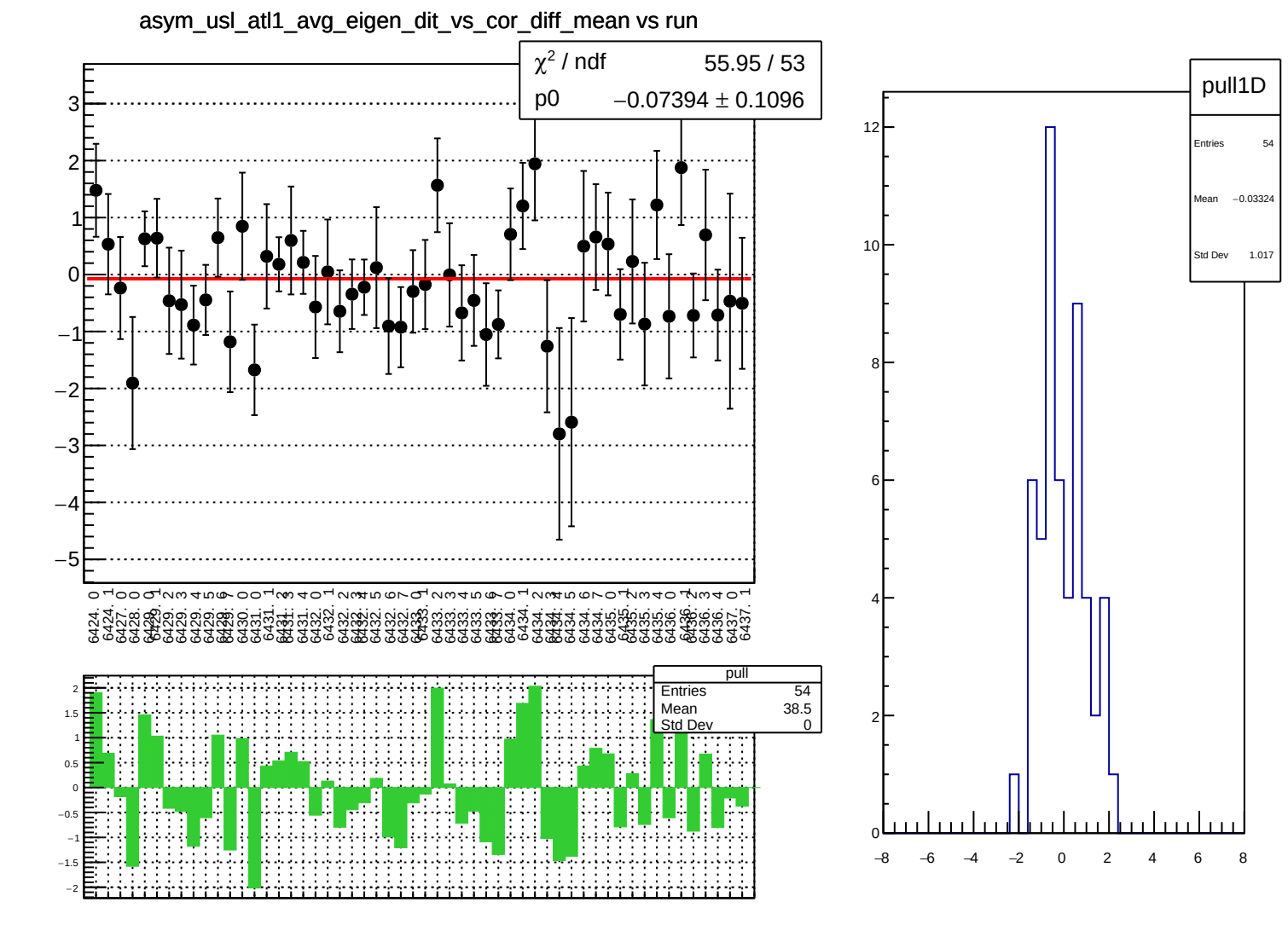

pull1D
Entries 54
Mean −0.03324
Std Dev 1.017

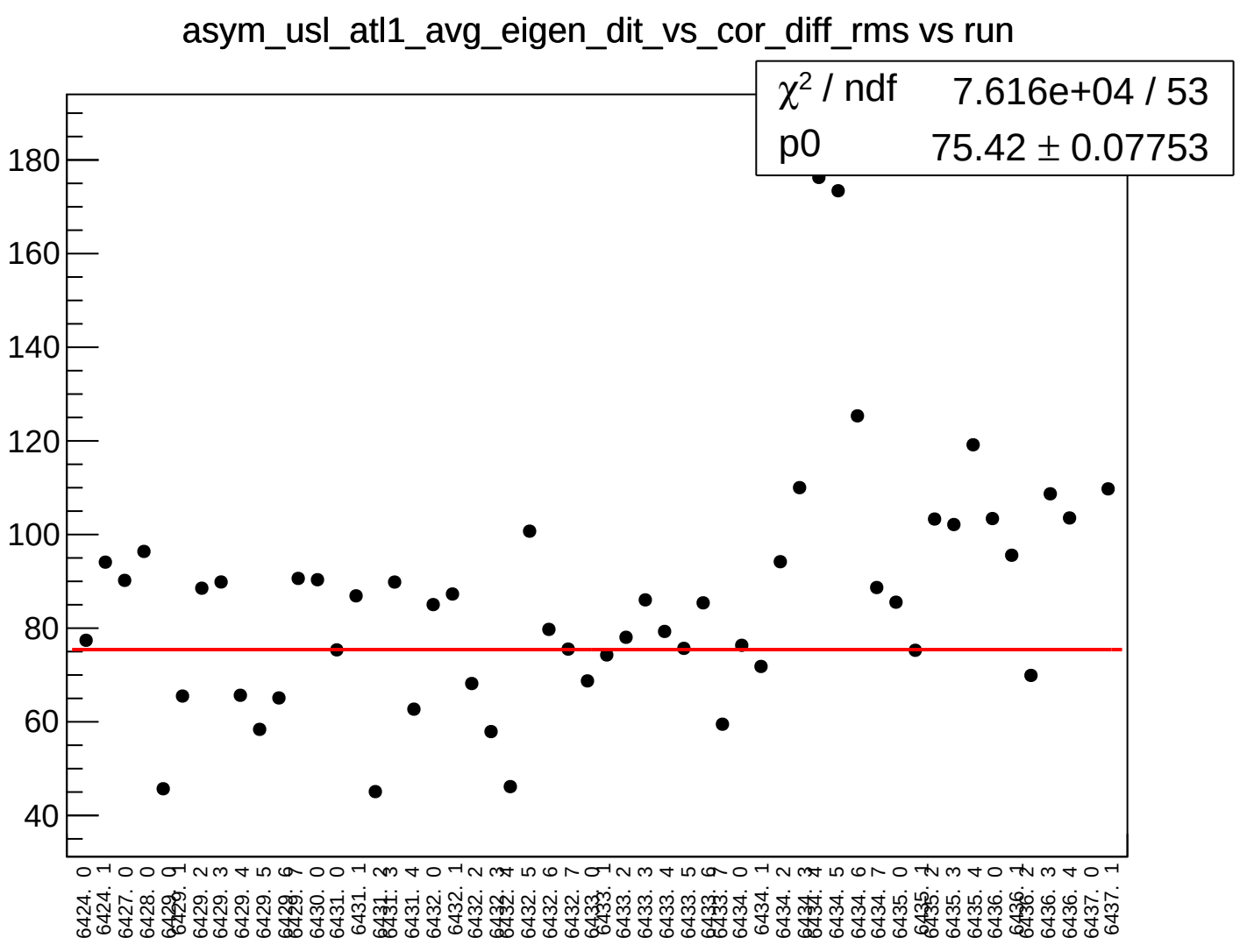

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.616e+04 / 53
p0 75.42 ± 0.07753
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

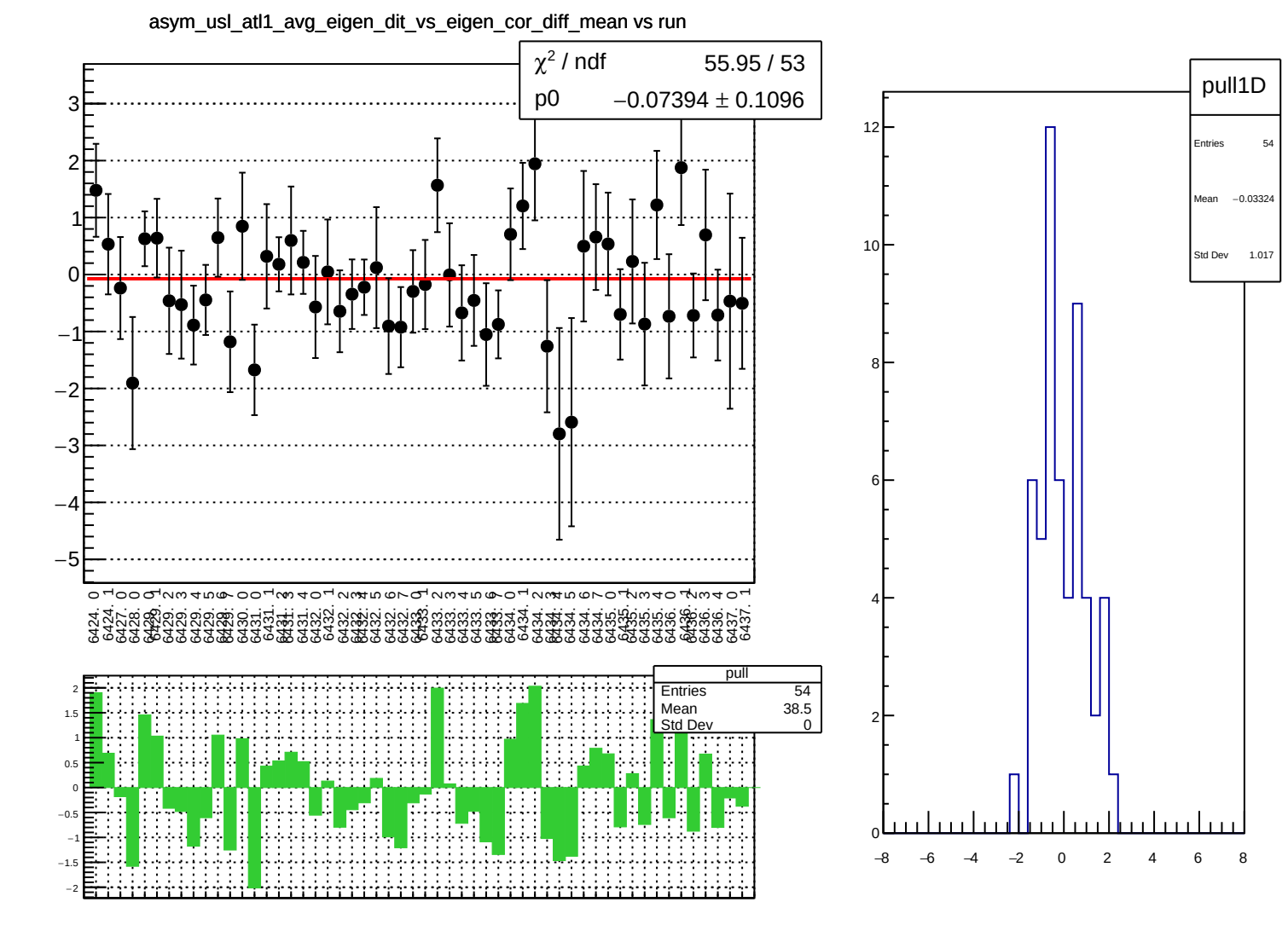

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.07 / 53
p0 1.392e−06 ± 3.198e−06
pull
Entries 54
Mean 186.5
Std Dev 0

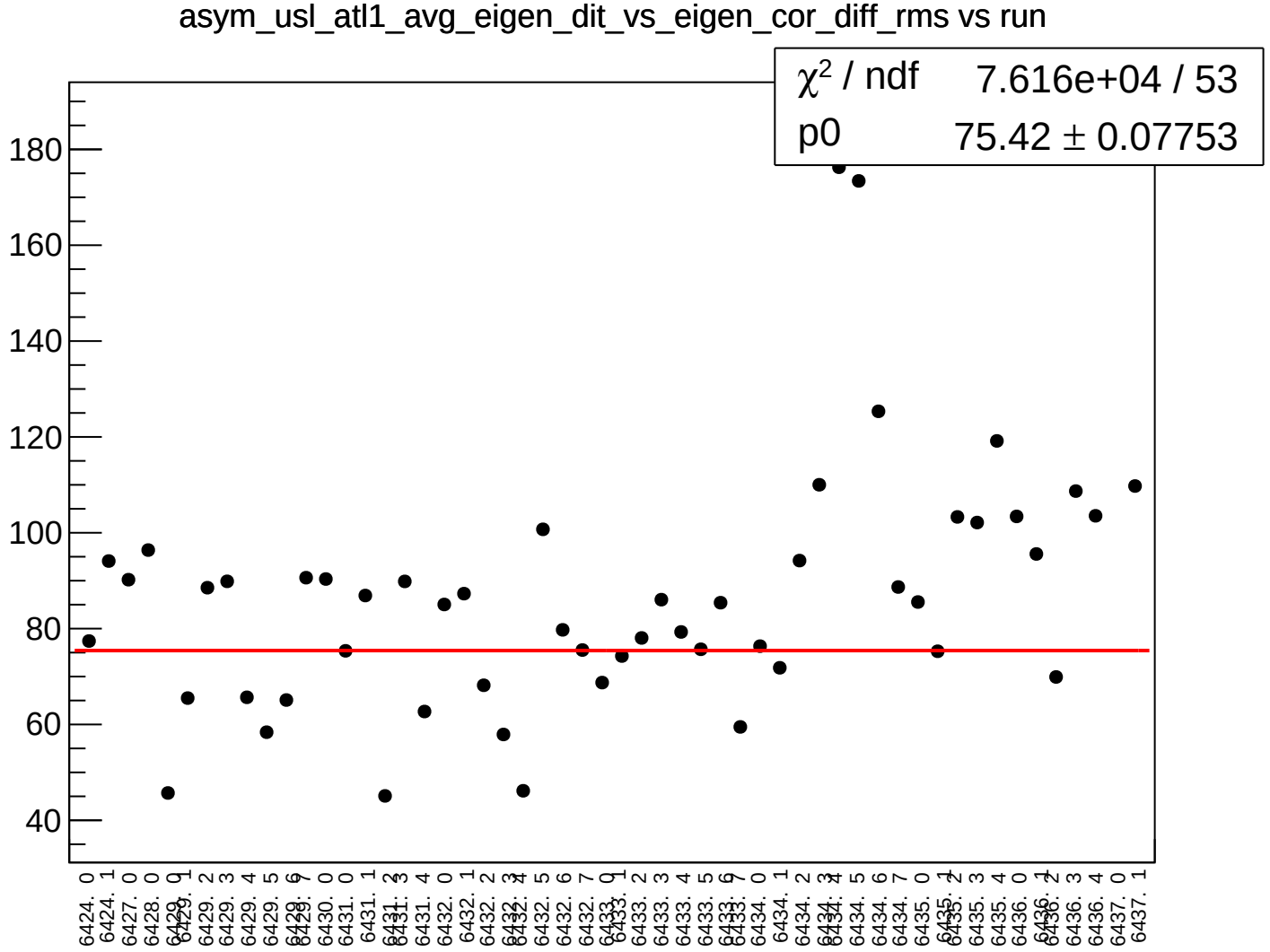

pull1D
Entries 54
Mean 0.008044
Std Dev 1.139

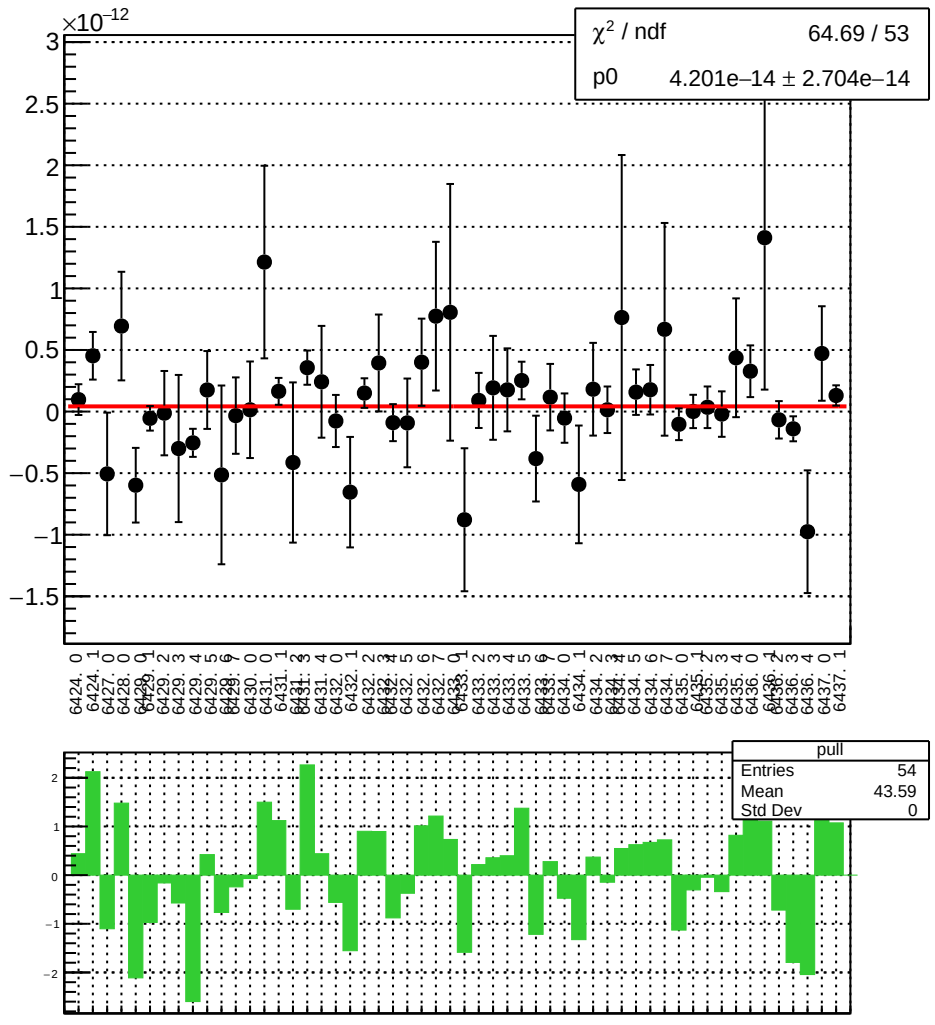

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2674 / 53
p0 0.002284 ± 2.261e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

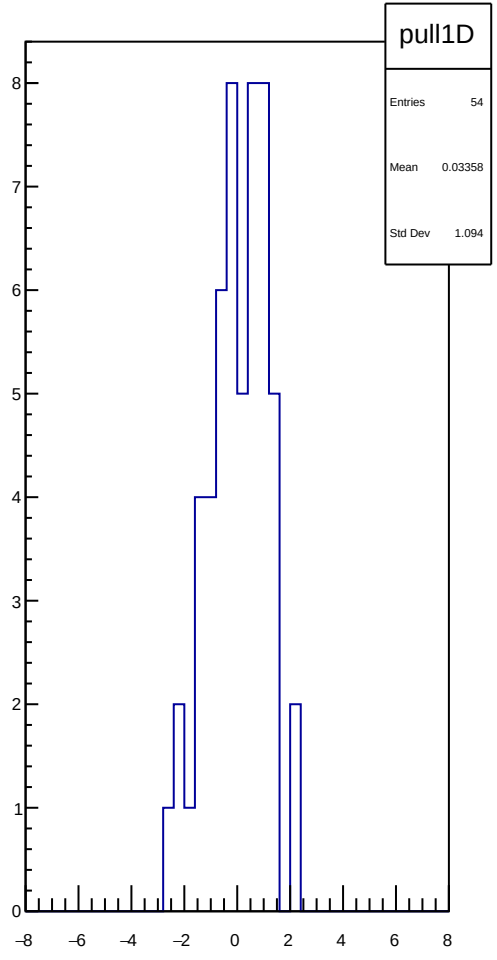

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.95 / 53
p0 −0.07394 ± 0.1096
pull
Entries 54
Mean 38.5
Std Dev 0
pull1D
Entries 54
Mean −0.03324
Std Dev 1.017

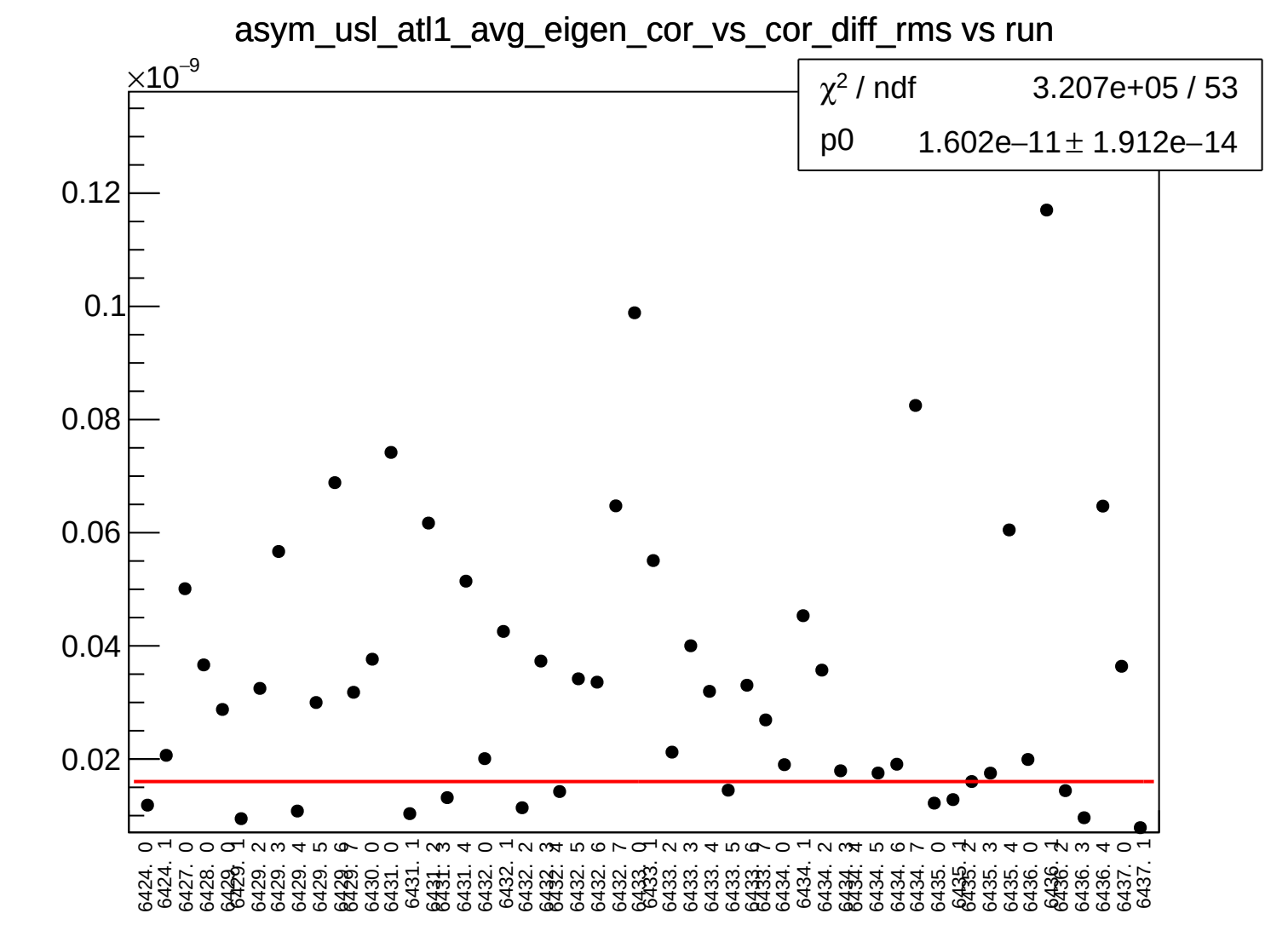

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.616e+04 / 53
p0 75.42 ± 0.07753
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

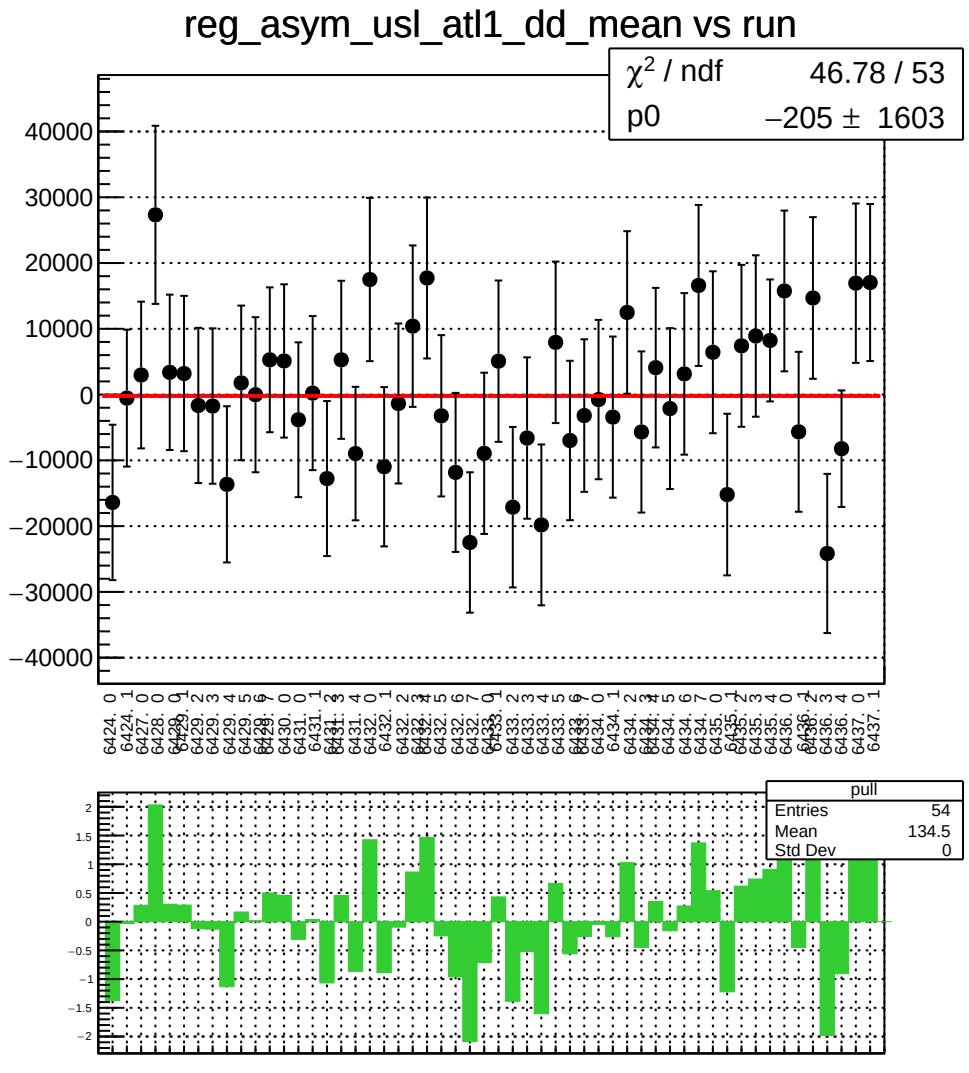

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.95 / 53
p0 −0.07394 ± 0.1096
pull
Entries 54
Mean 38.5
Std Dev 0
pull1D
Entries 54
Mean −0.03324
Std Dev 1.017

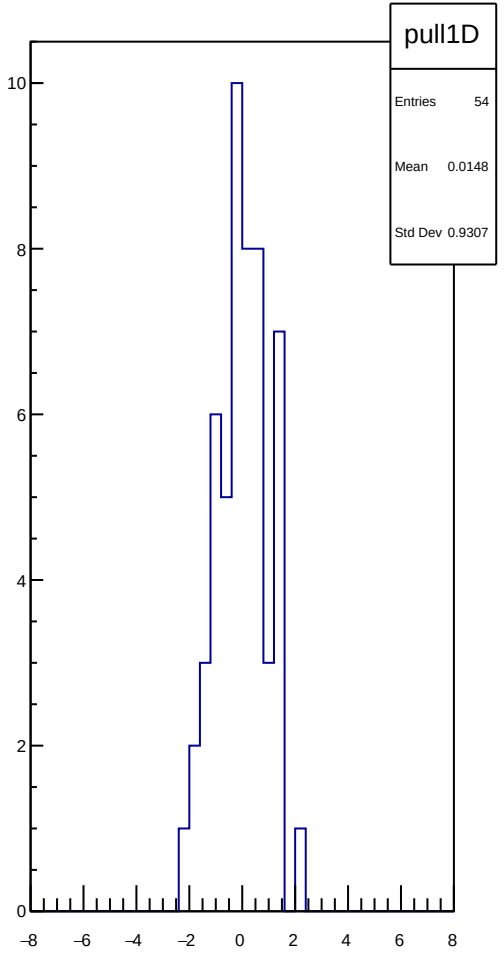

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.616e+04 / 53
p0 75.42 ± 0.07753
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

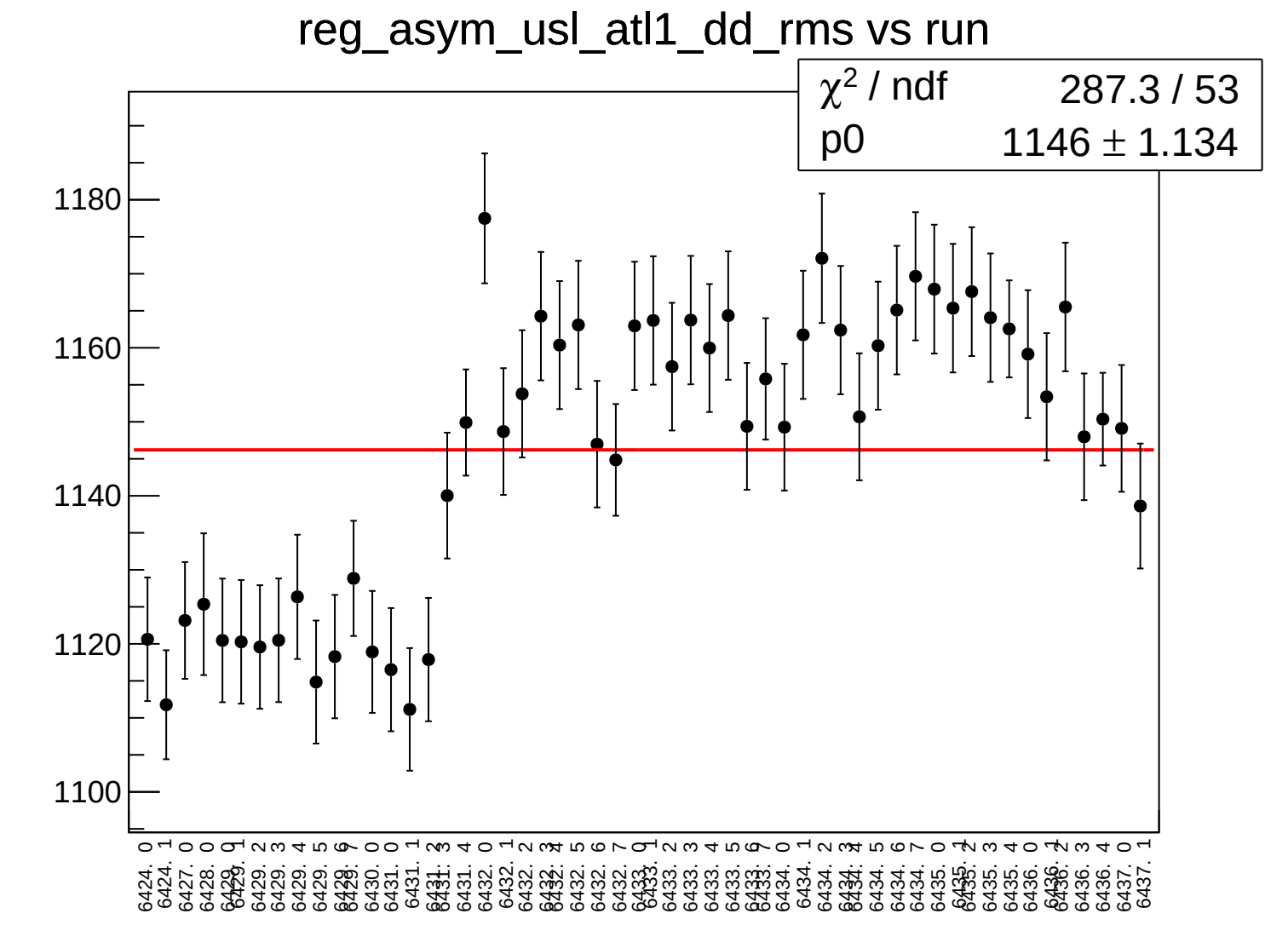

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.69 / 53
p0 4.201e−14 ± 2.704e−14
pull
Entries 54
Mean 43.59
Std Dev 0

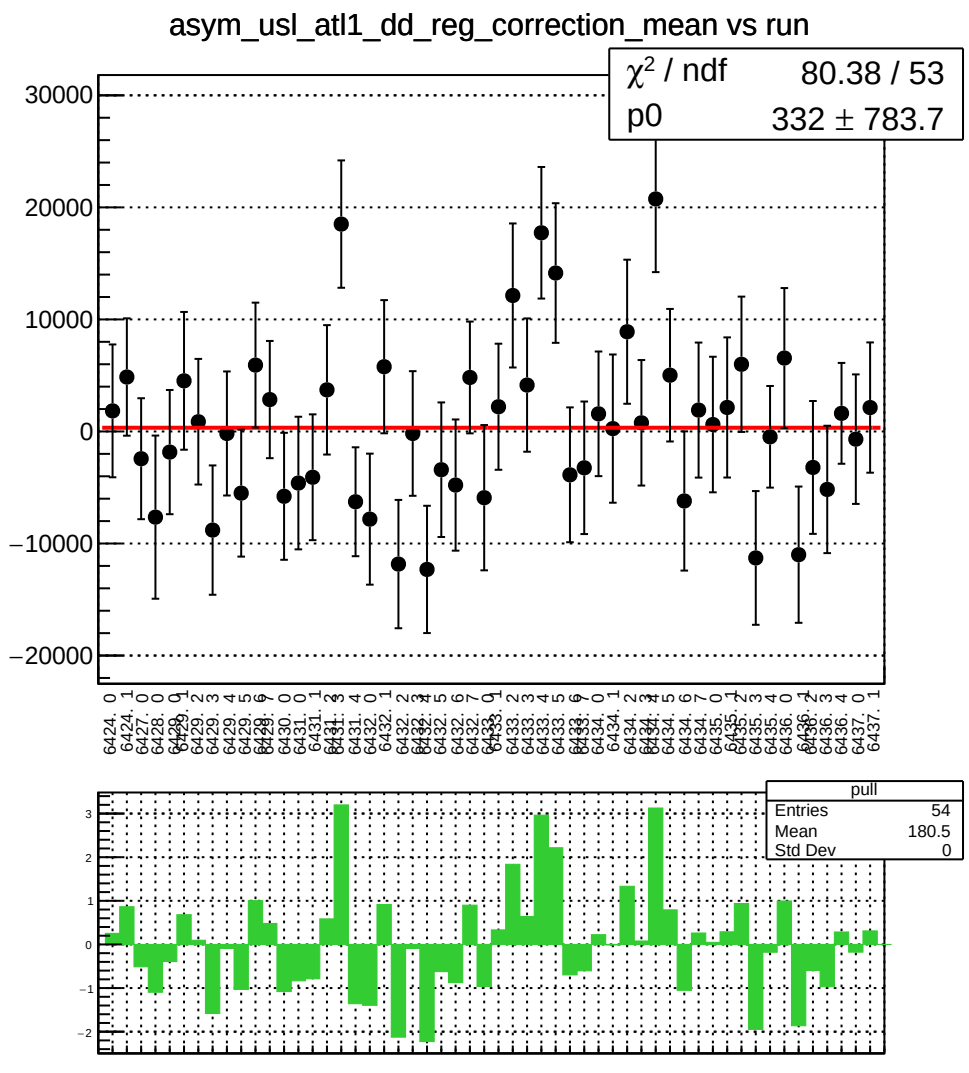

pull1D
Entries 54
Mean 0.03358
Std Dev 1.094

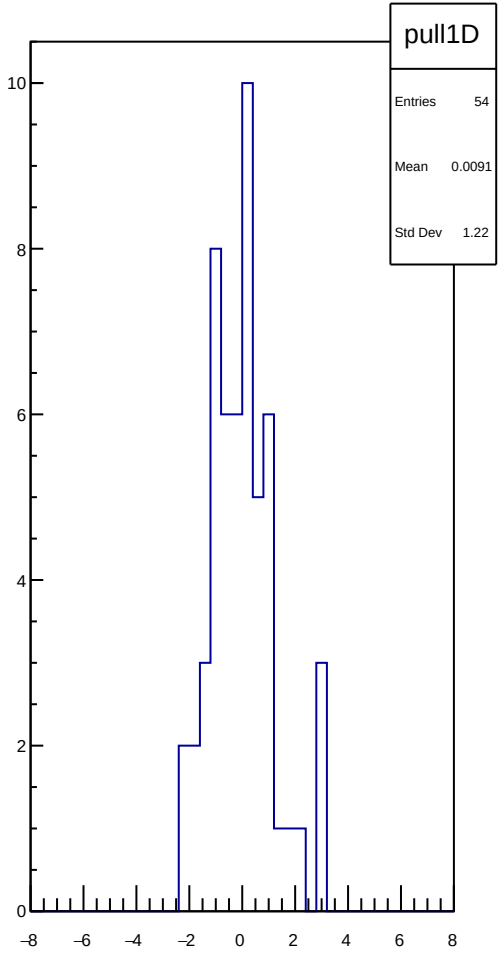

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.207e+05 / 53
p0 1.602e−11 ± 1.912e−14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

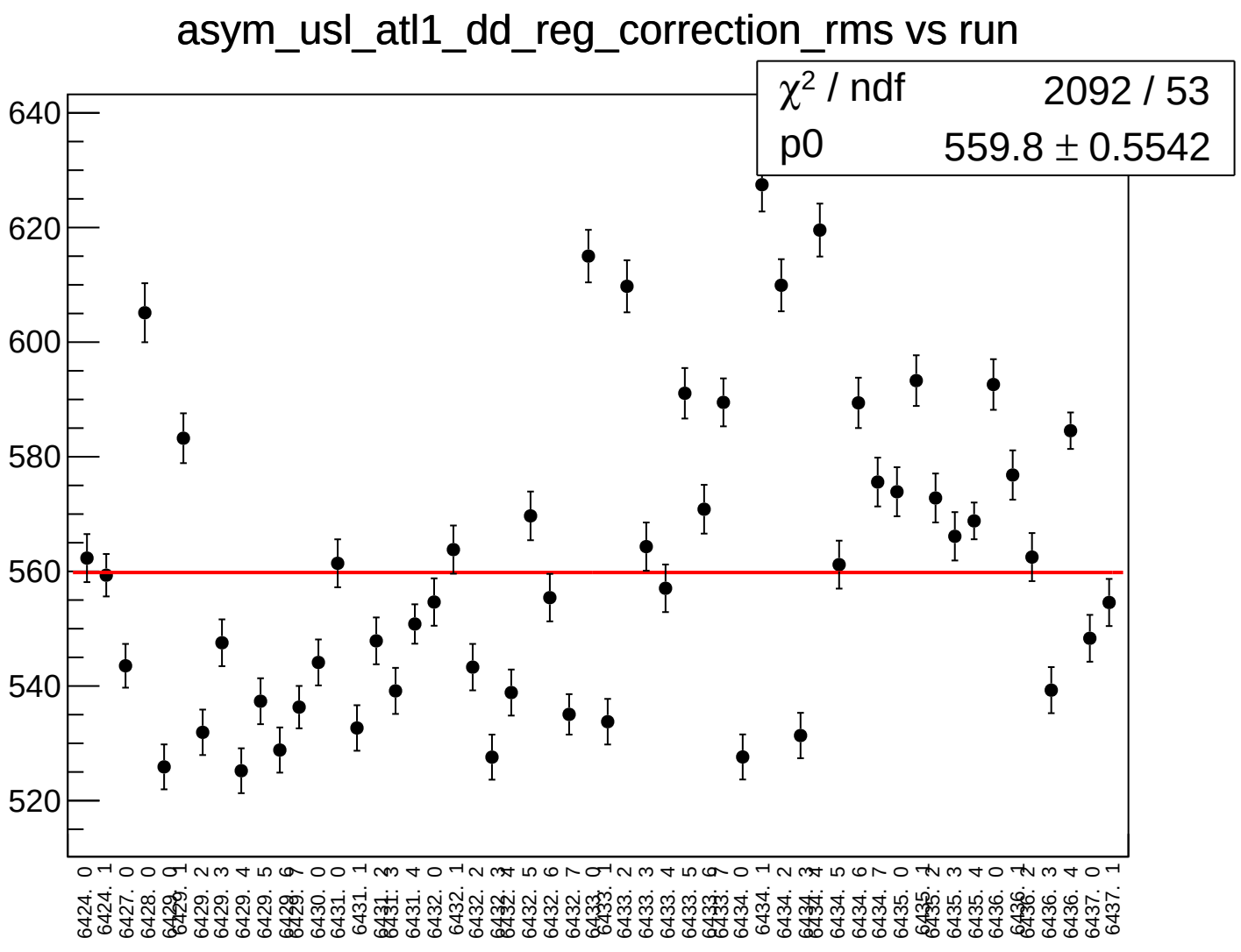

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 46.78 / 53
p0 −205 ± 1603
pull
Entries 54
Mean 134.5
Std Dev 0

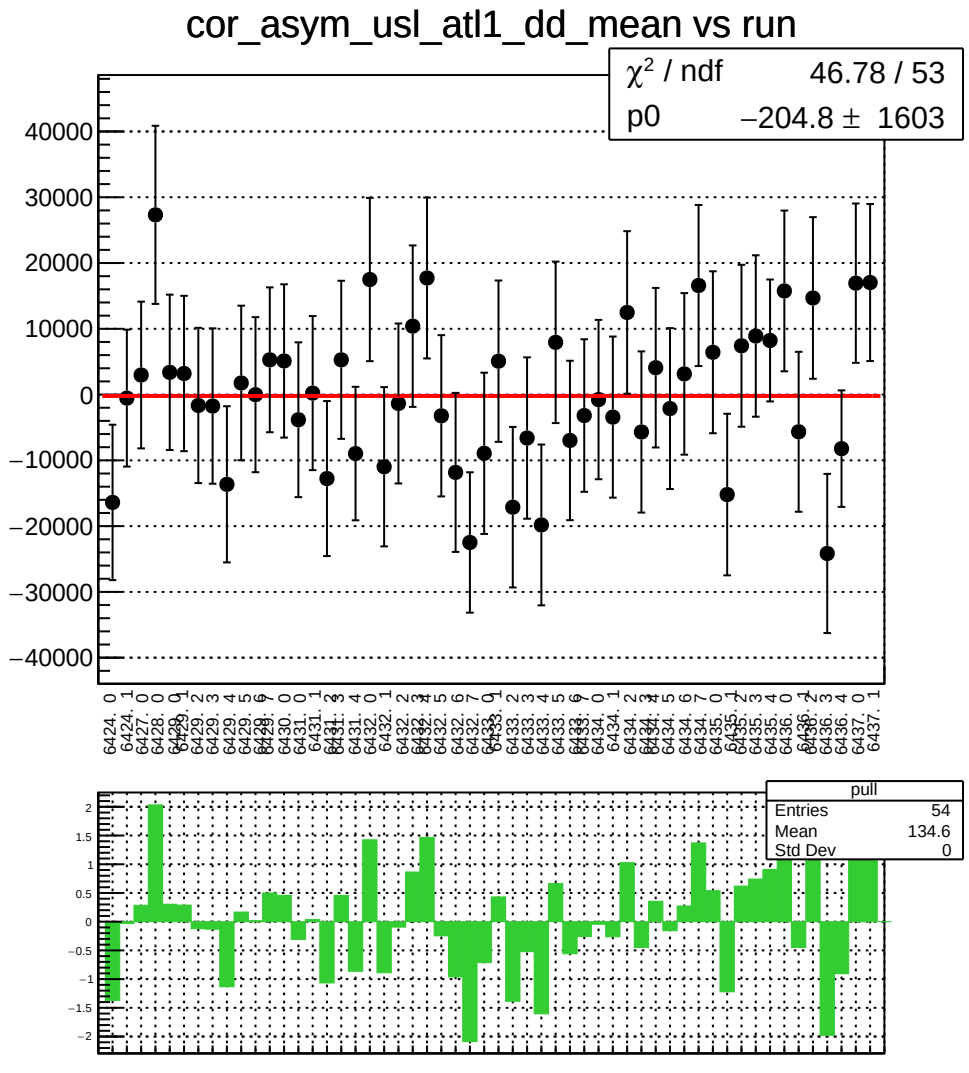

pull1D
Entries 54
Mean 0.0148
Std Dev 0.9307

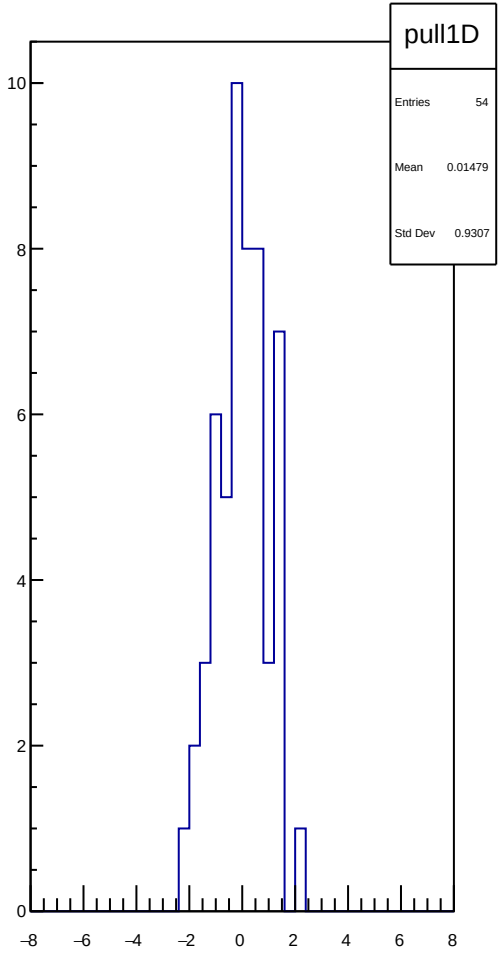

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 287.3 / 53
p0 1146 ± 1.134
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

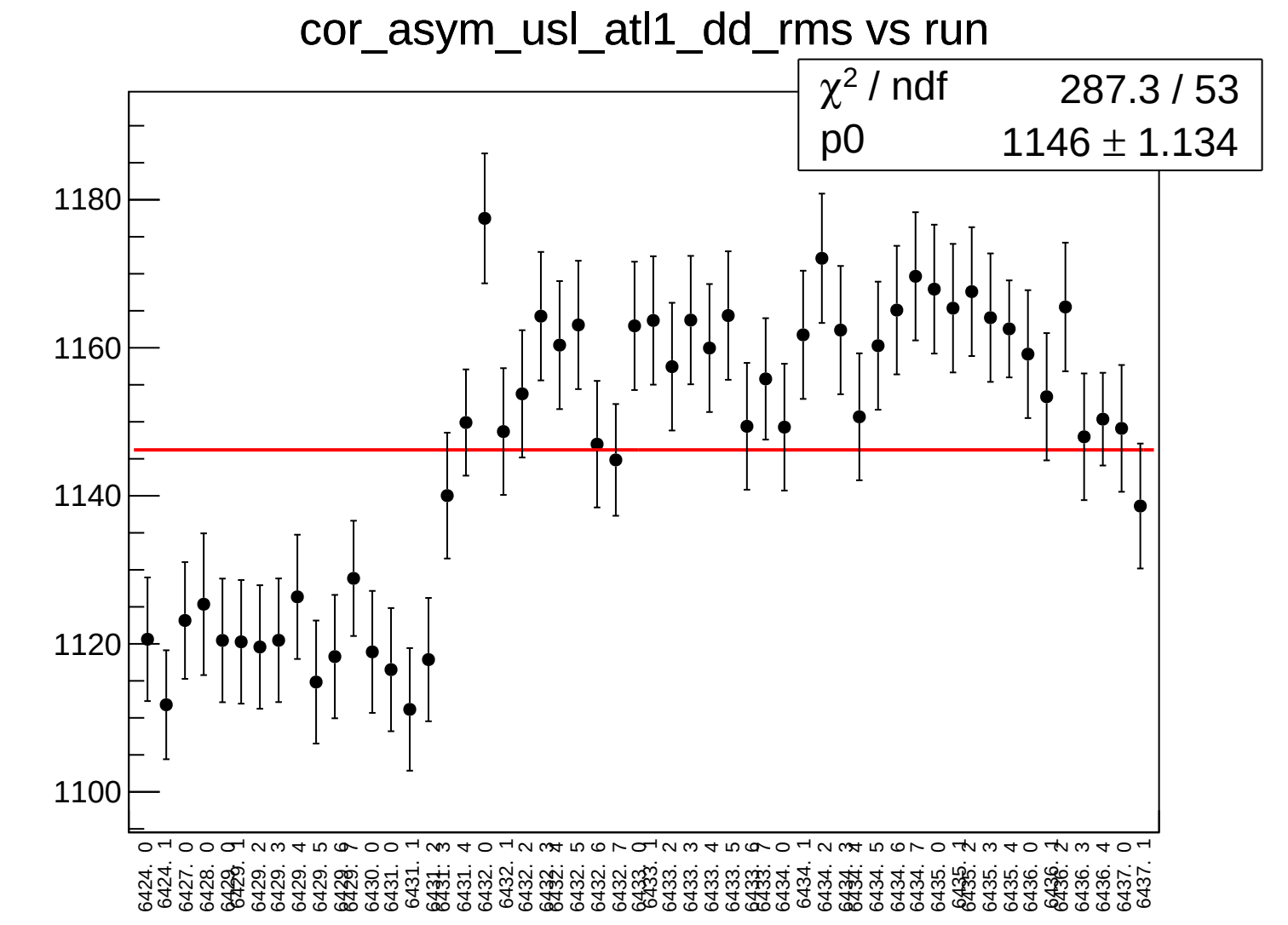

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 80.38 / 53
p0 332 ± 783.7
pull
Entries 54
Mean 180.5
Std Dev 0

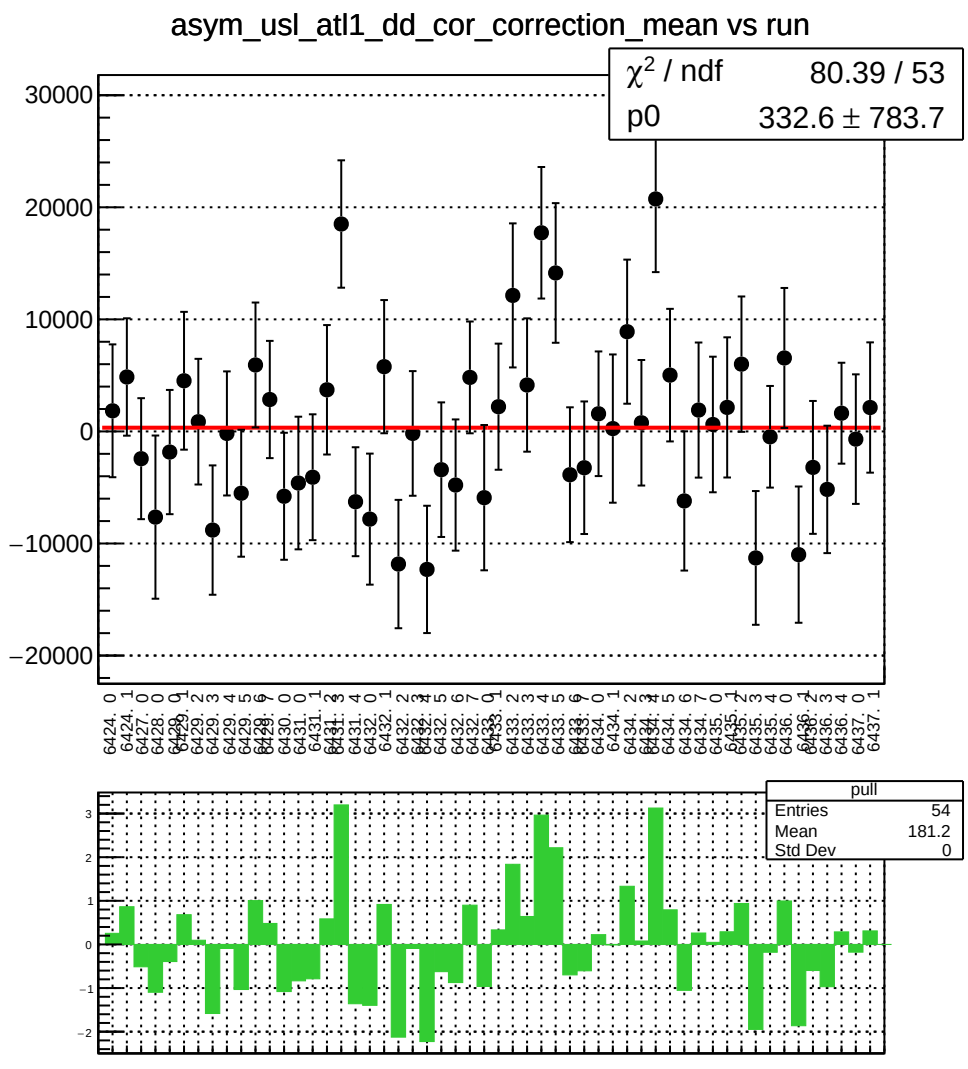

pull1D
Entries 54
Mean 0.0091
Std Dev 1.22

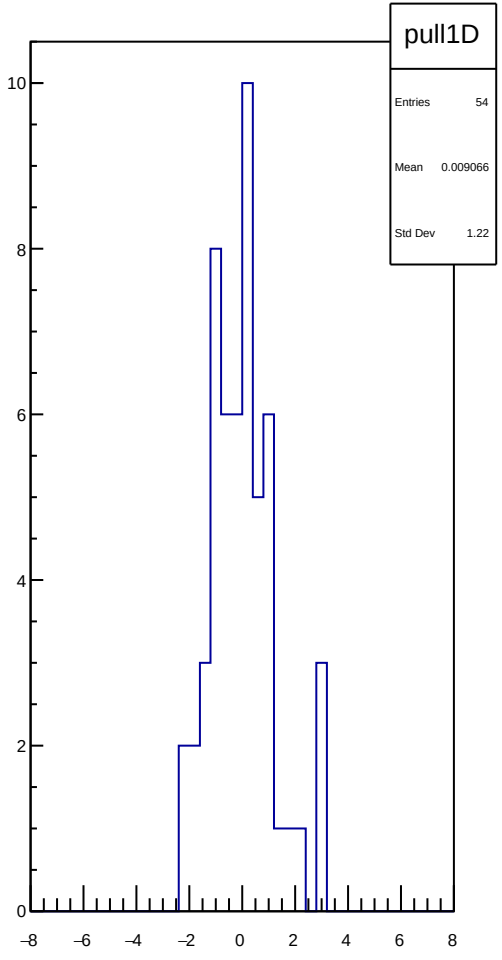

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 2092 / 53
p0 559.8 ± 0.5542
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

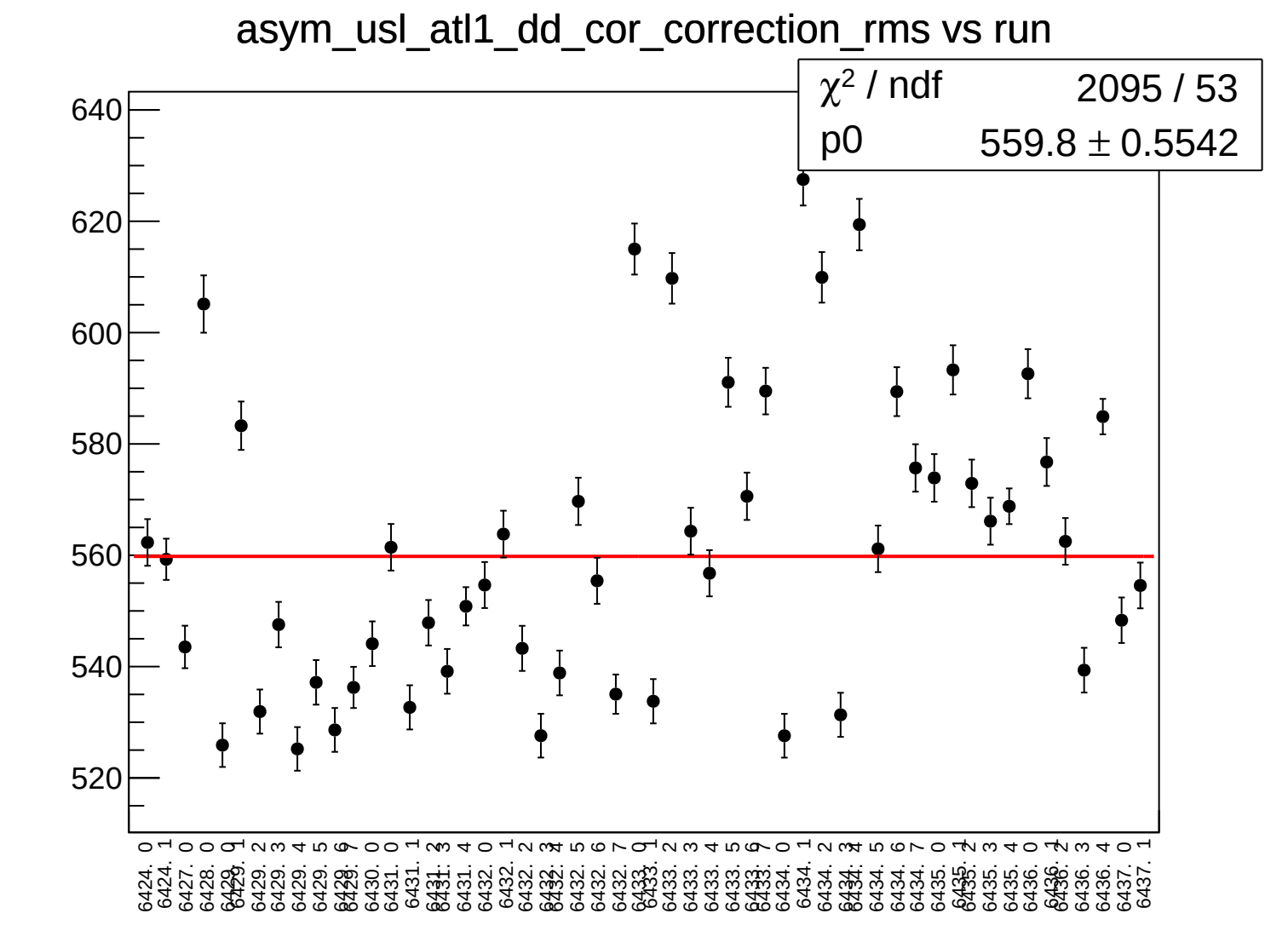

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 46.78 / 53
p0 −204.8 ± 1603
pull
Entries 54
Mean 134.6
Std Dev 0

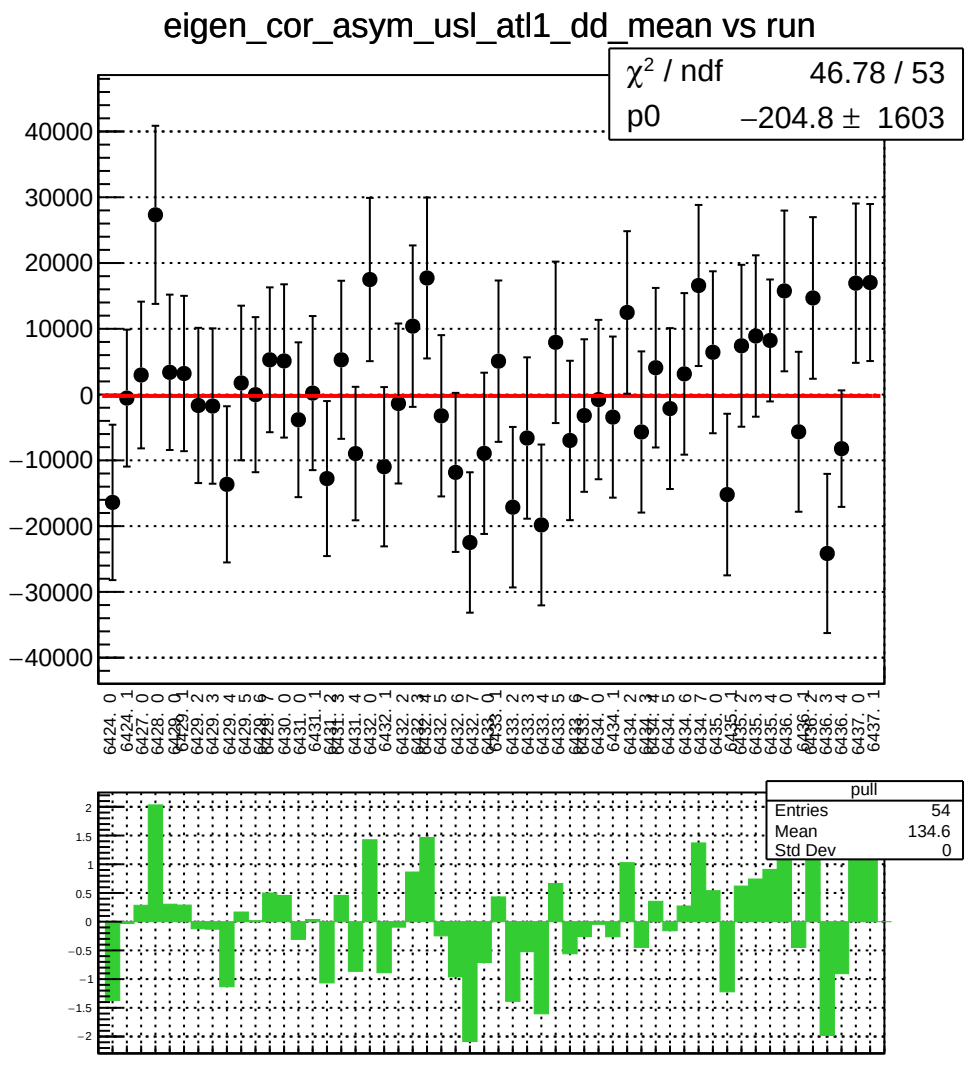

pull1D
Entries 54
Mean 0.01479
Std Dev 0.9307

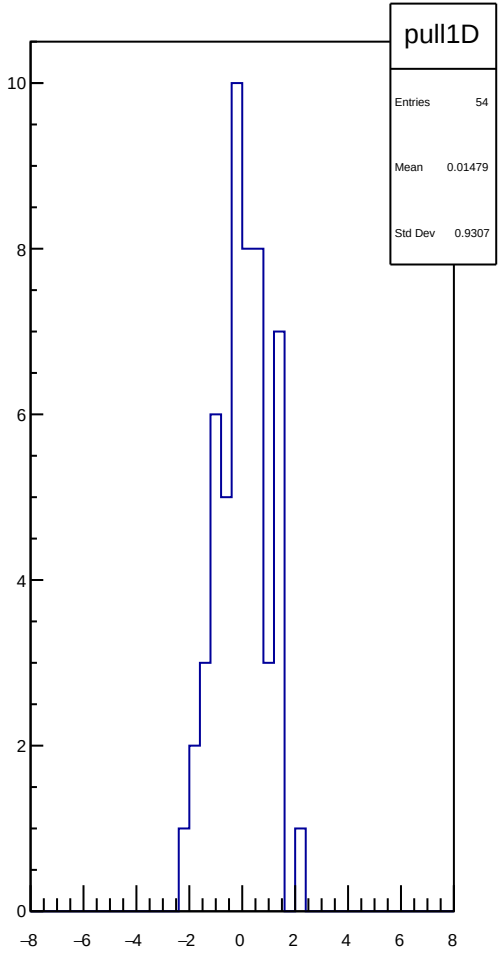

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 287.3 / 53
p0 1146 ± 1.134
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

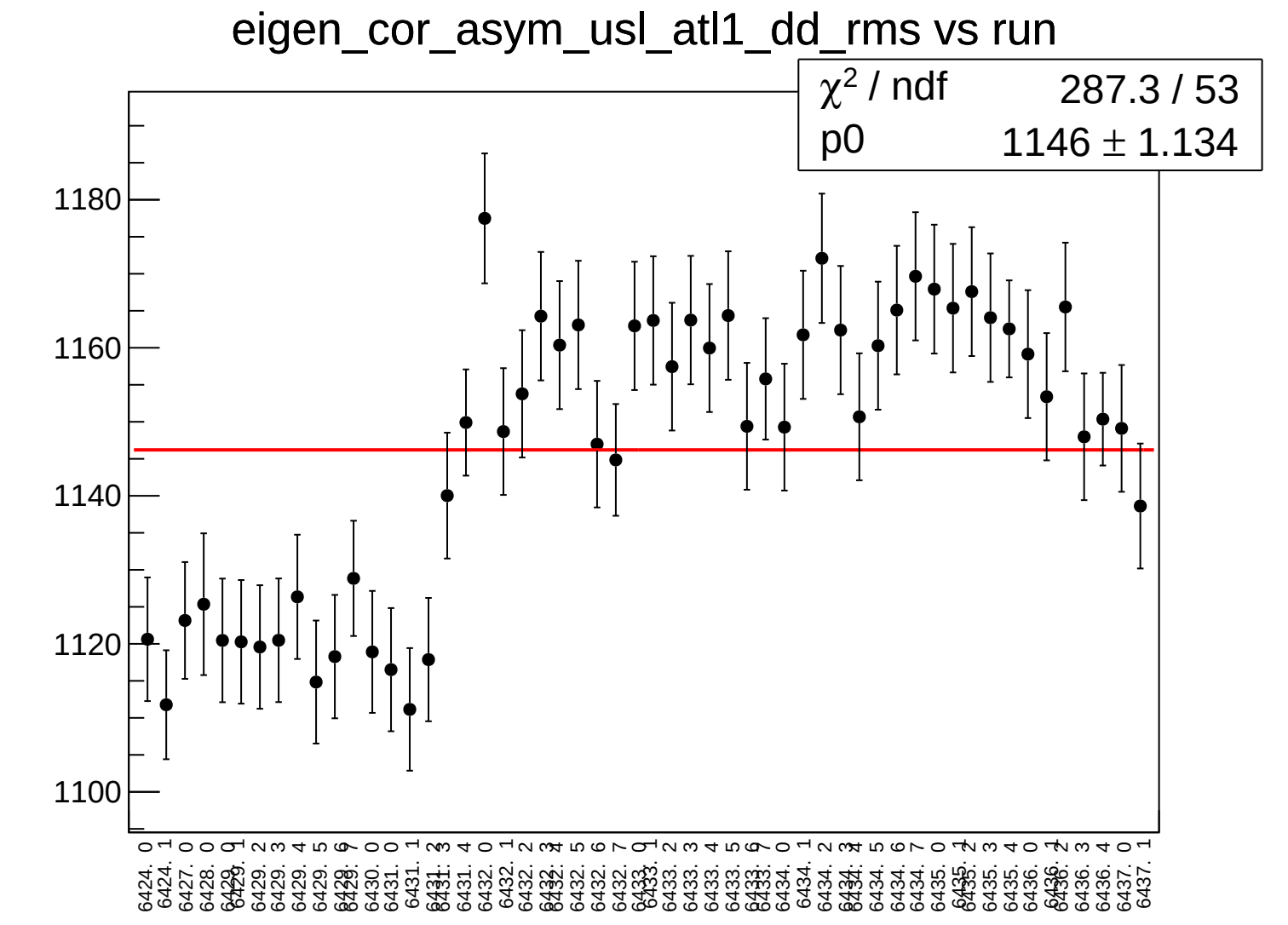

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 80.39 / 53
p0 332.6 ± 783.7
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 181.2
Std Dev 0
3
2
1
0
−1
−2

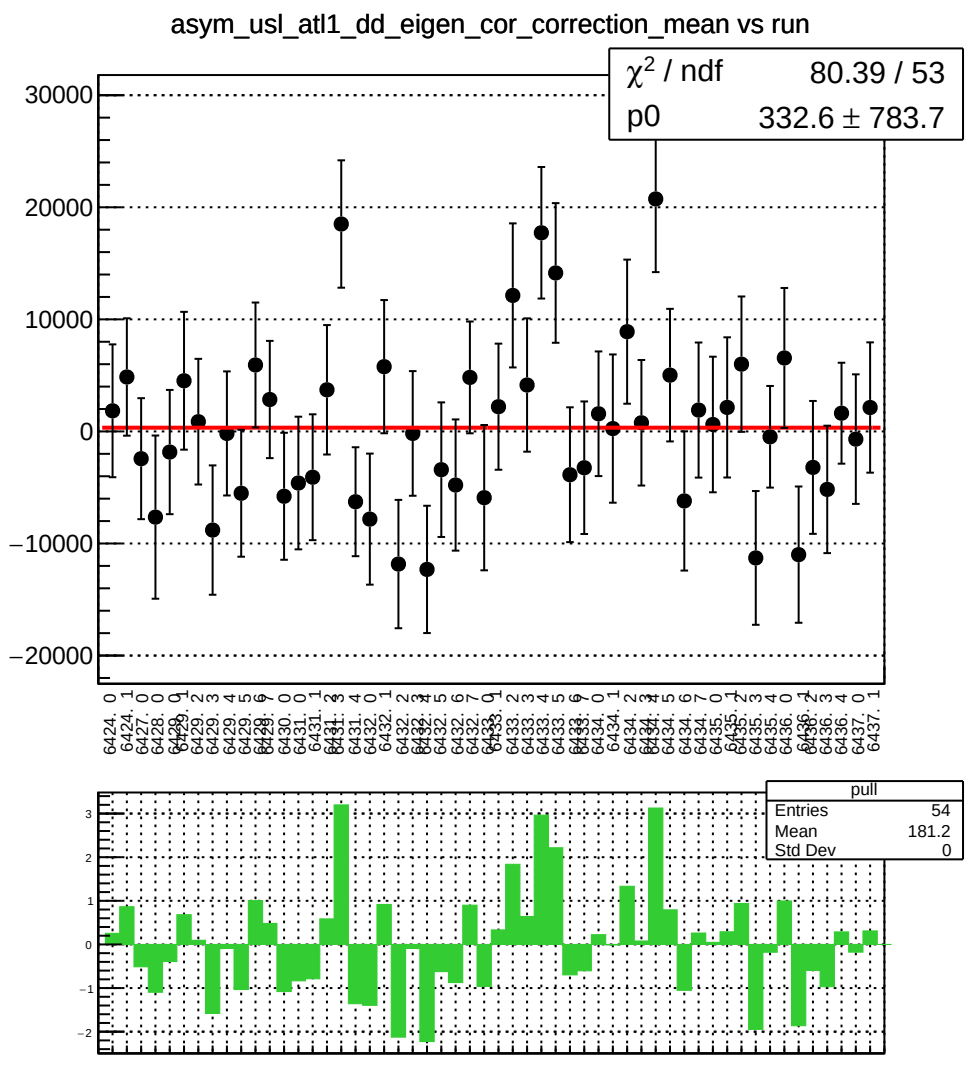

pull1D
Entries 54
Mean 0.009066
Std Dev 1.22
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

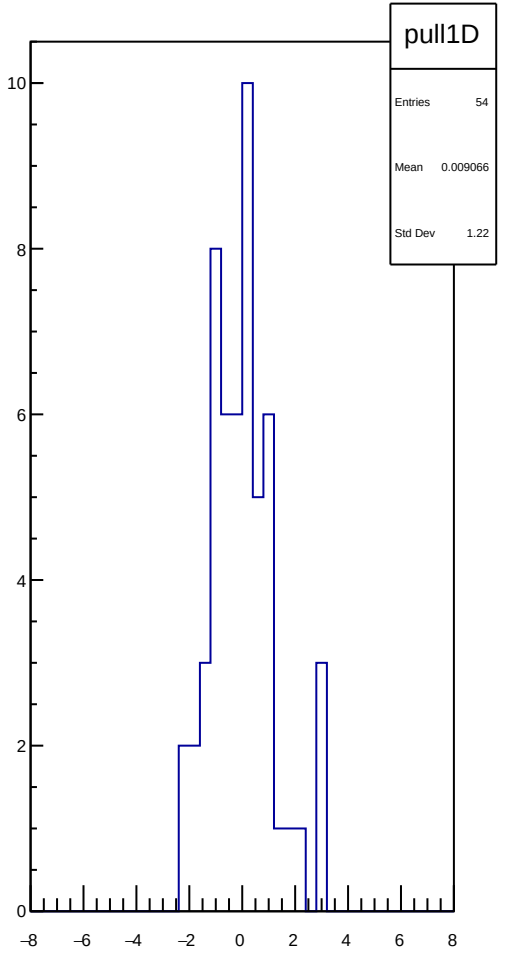

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 2095 / 53
p0 559.8 ± 0.5542
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

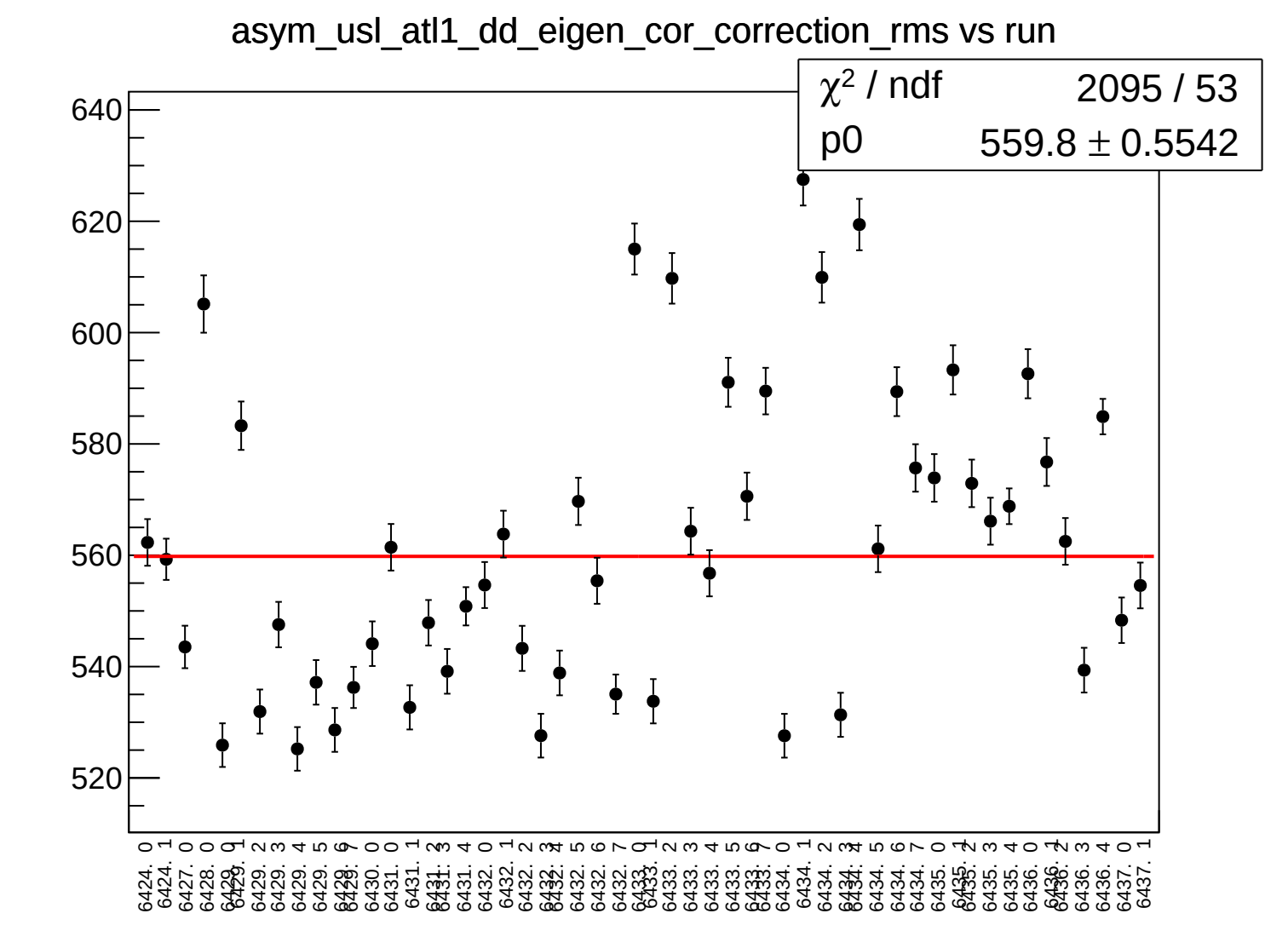

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 46.78 / 53
p0 −204.8 ± 1603
pull
Entries 54
Mean 134.6
Std Dev 0

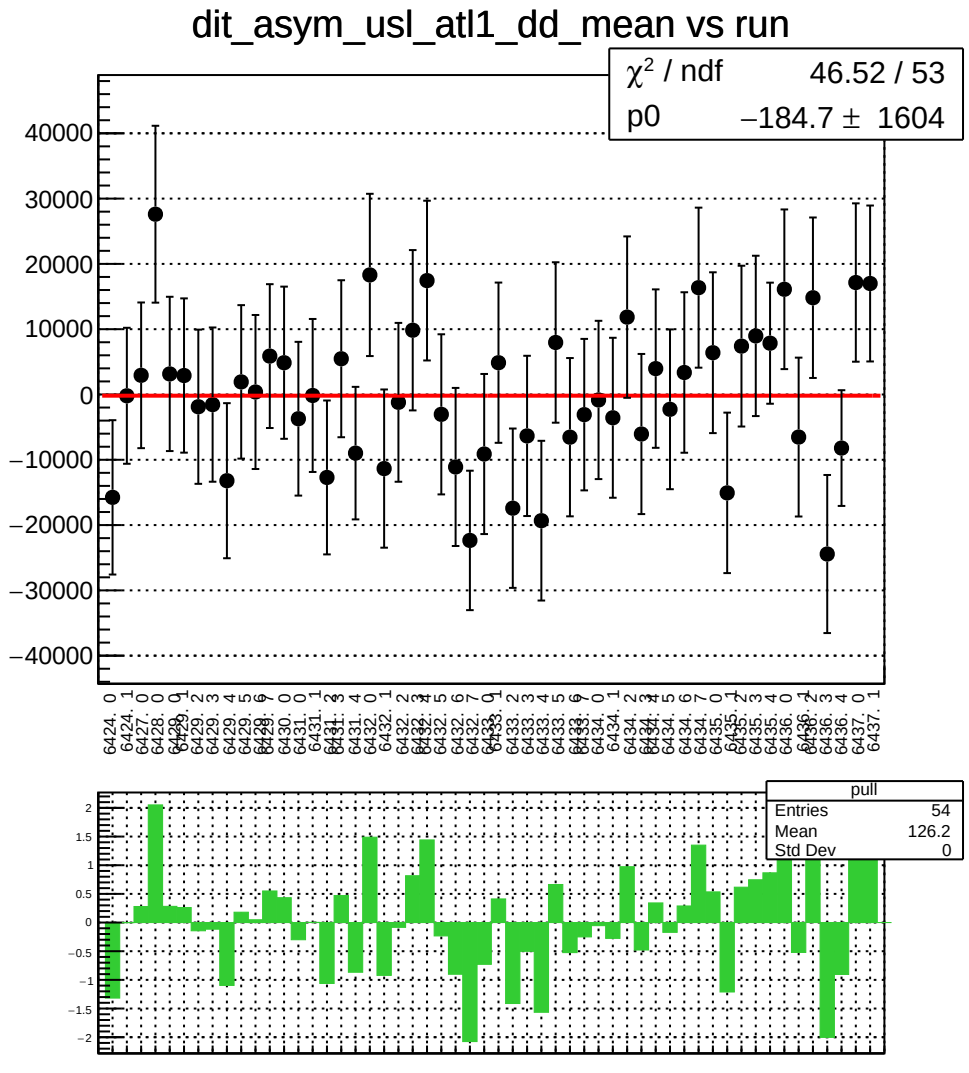

pull1D
Entries 54
Mean 0.01479
Std Dev 0.9307

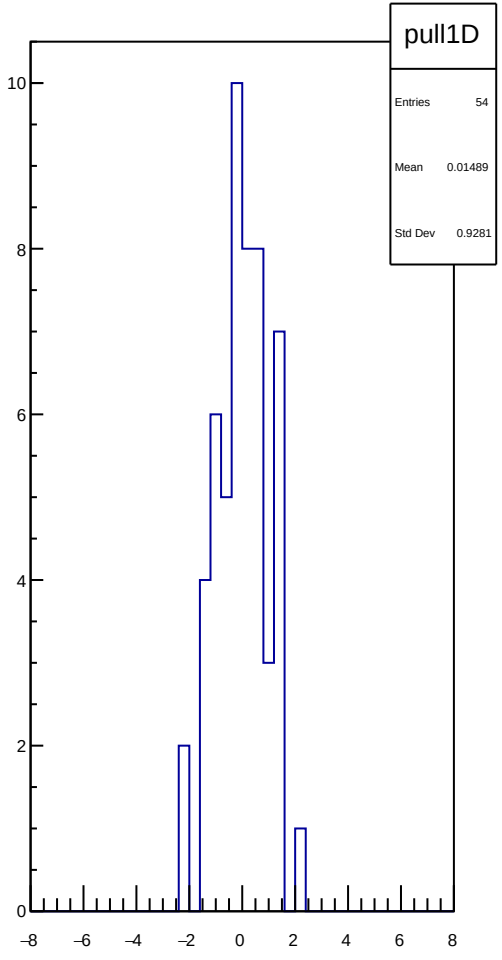

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 287.3 / 53
p0 1146 ± 1.134
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

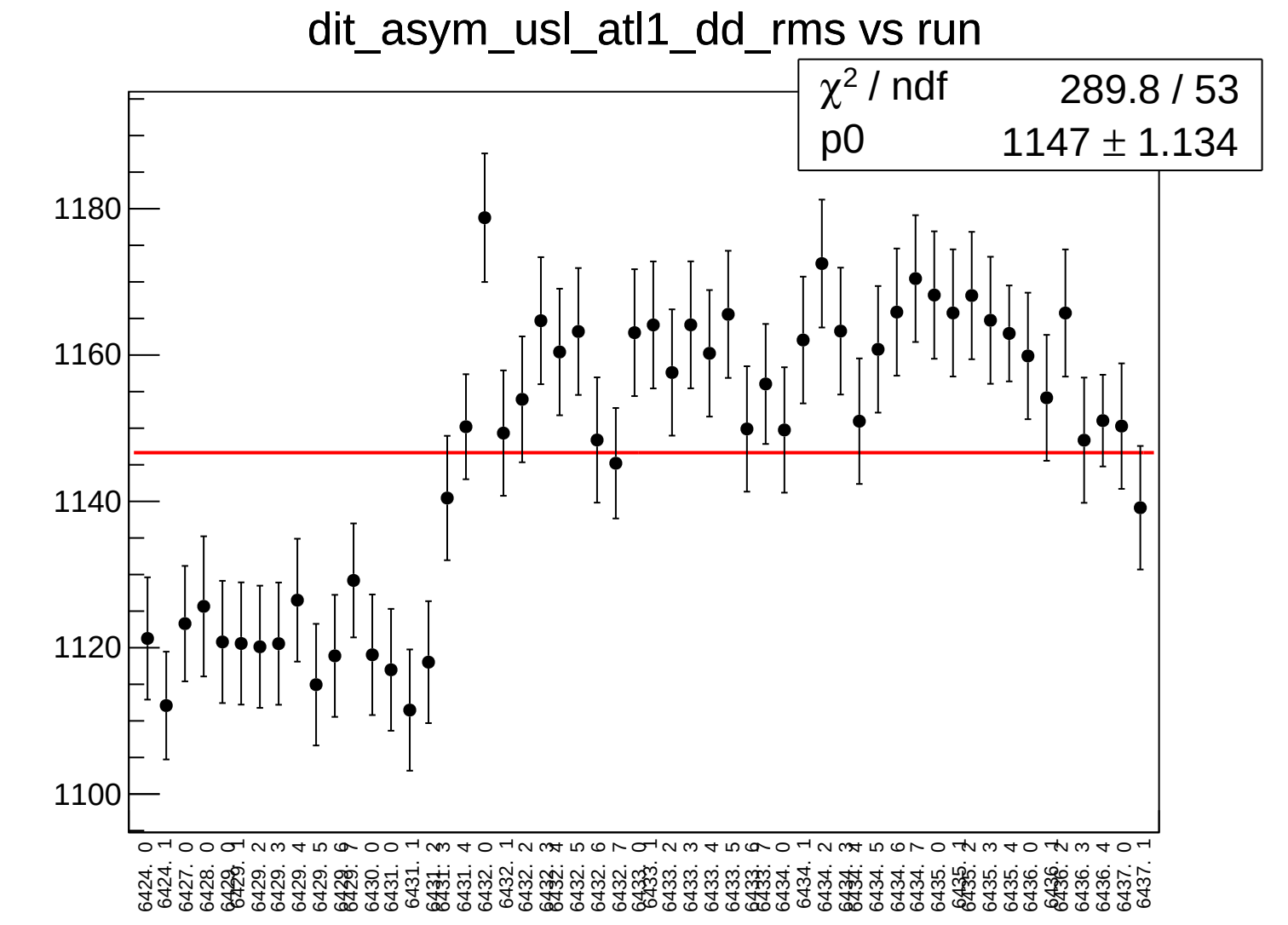

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 80.39 / 53
p0 332.6 ± 783.7
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 181.2
Std Dev 0
3
2
1
0
−1
−2

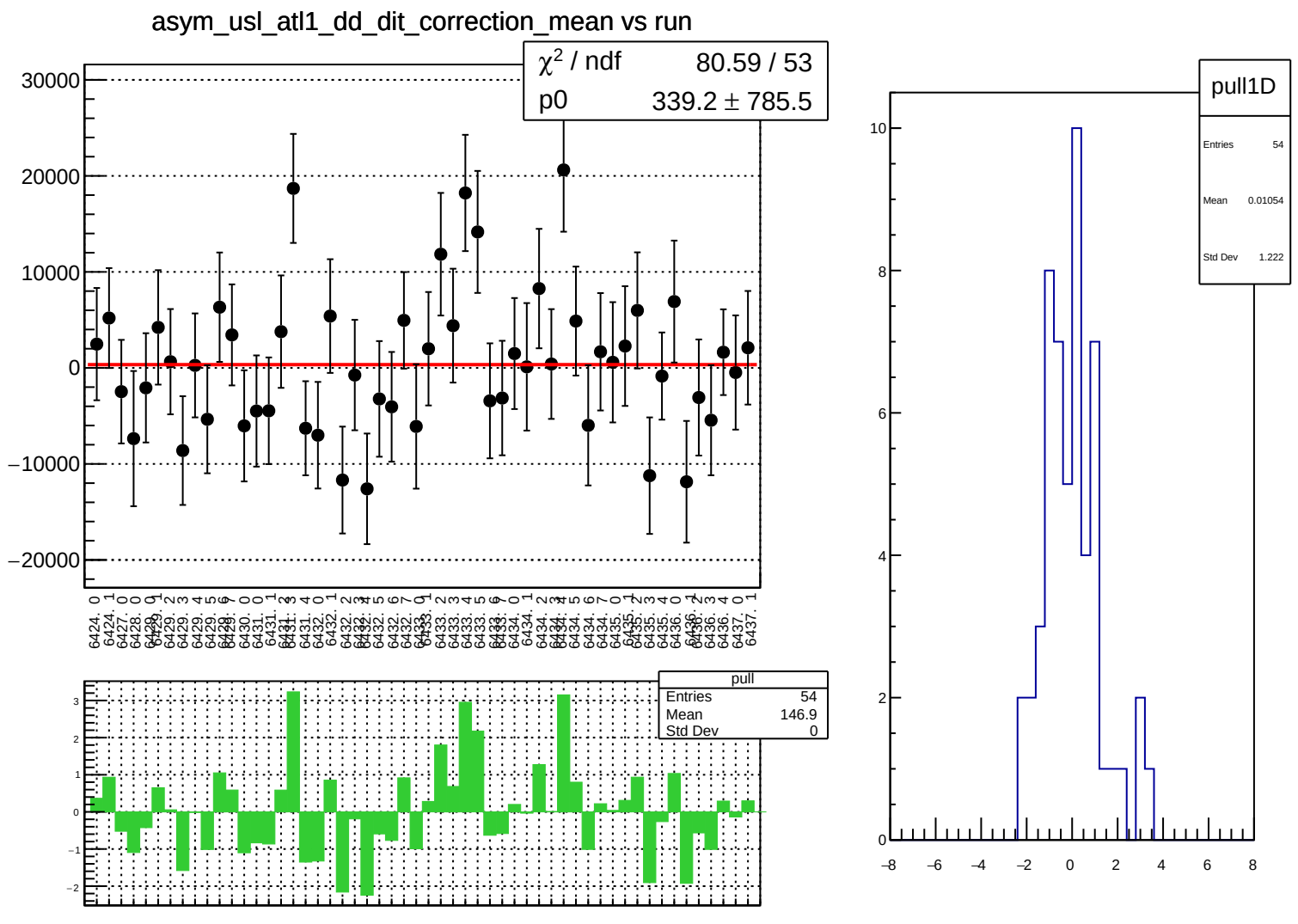

pull1D
Entries 54
Mean 0.009066
Std Dev 1.22
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

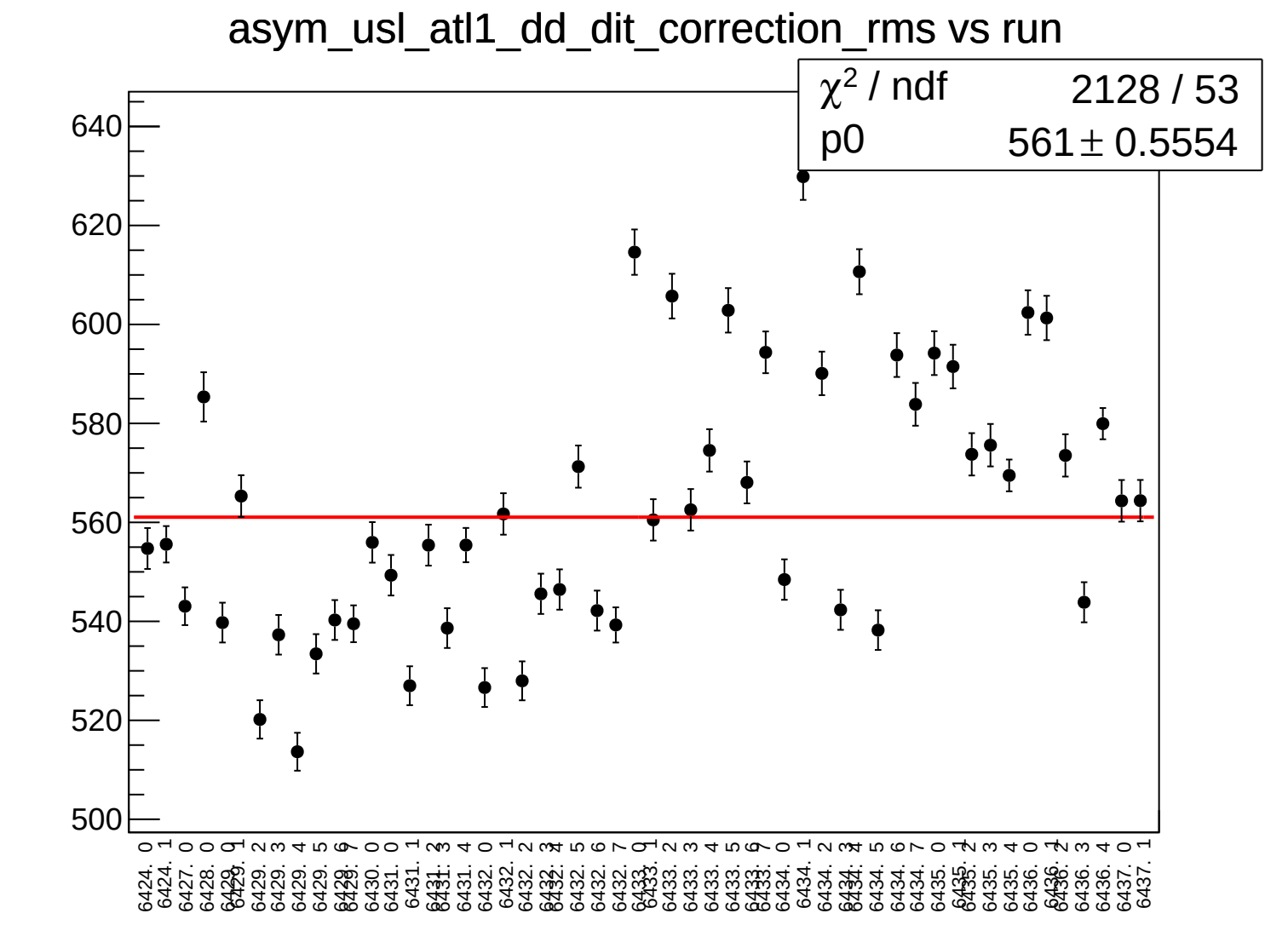

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2095 / 53
p0 559.8 ± 0.5542
640
620
600
580
560
540
520
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

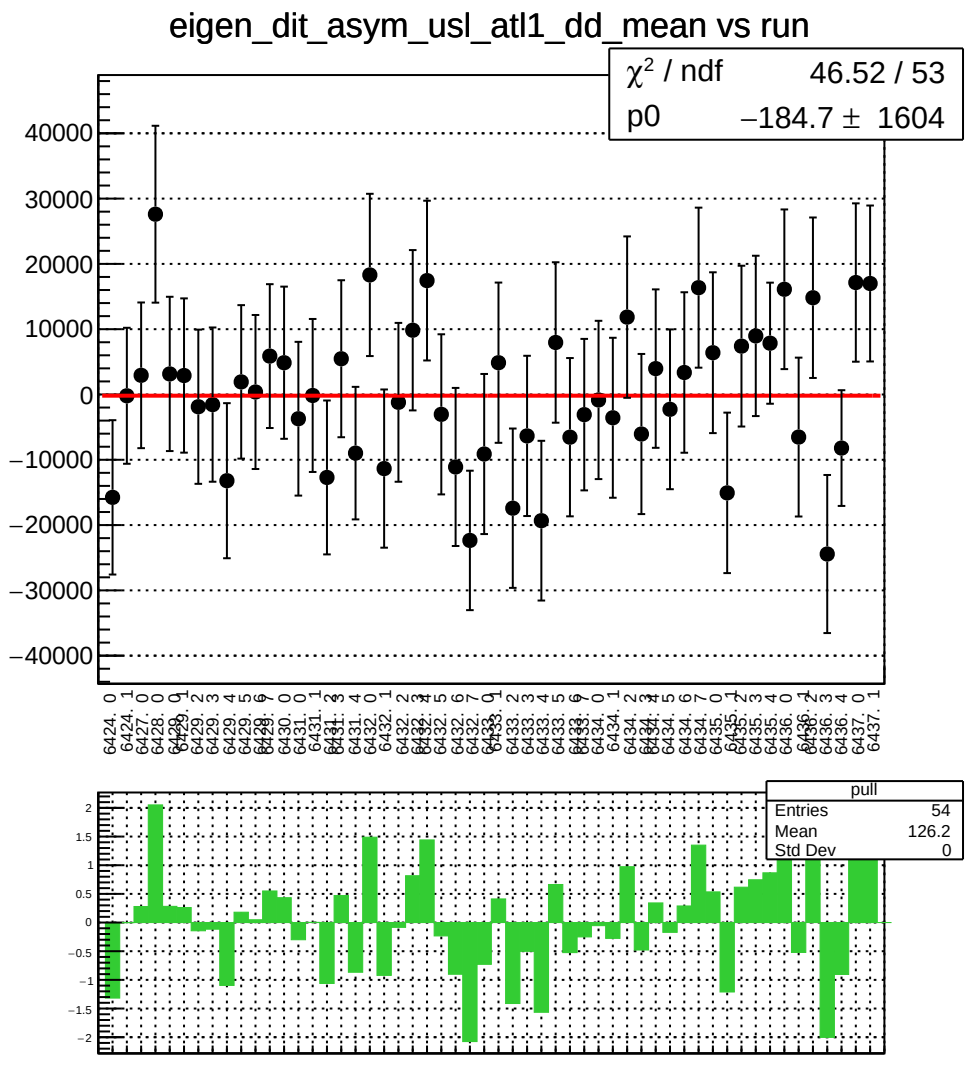

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 46.52 / 53
p0 −184.7 ± 1604
pull
Entries 54
Mean 126.2
Std Dev 0

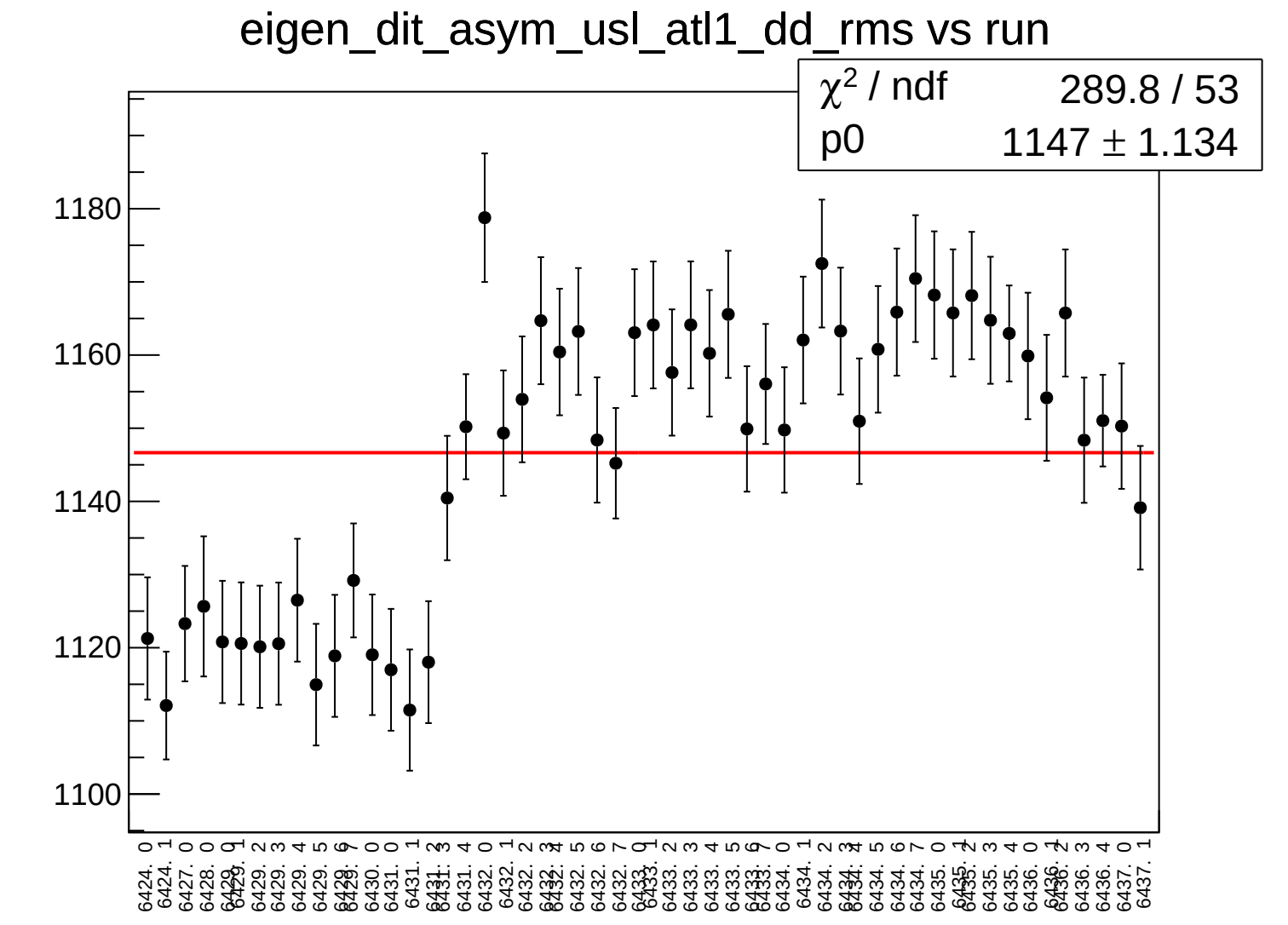

pull1D
Entries 54
Mean 0.01489
Std Dev 0.9281

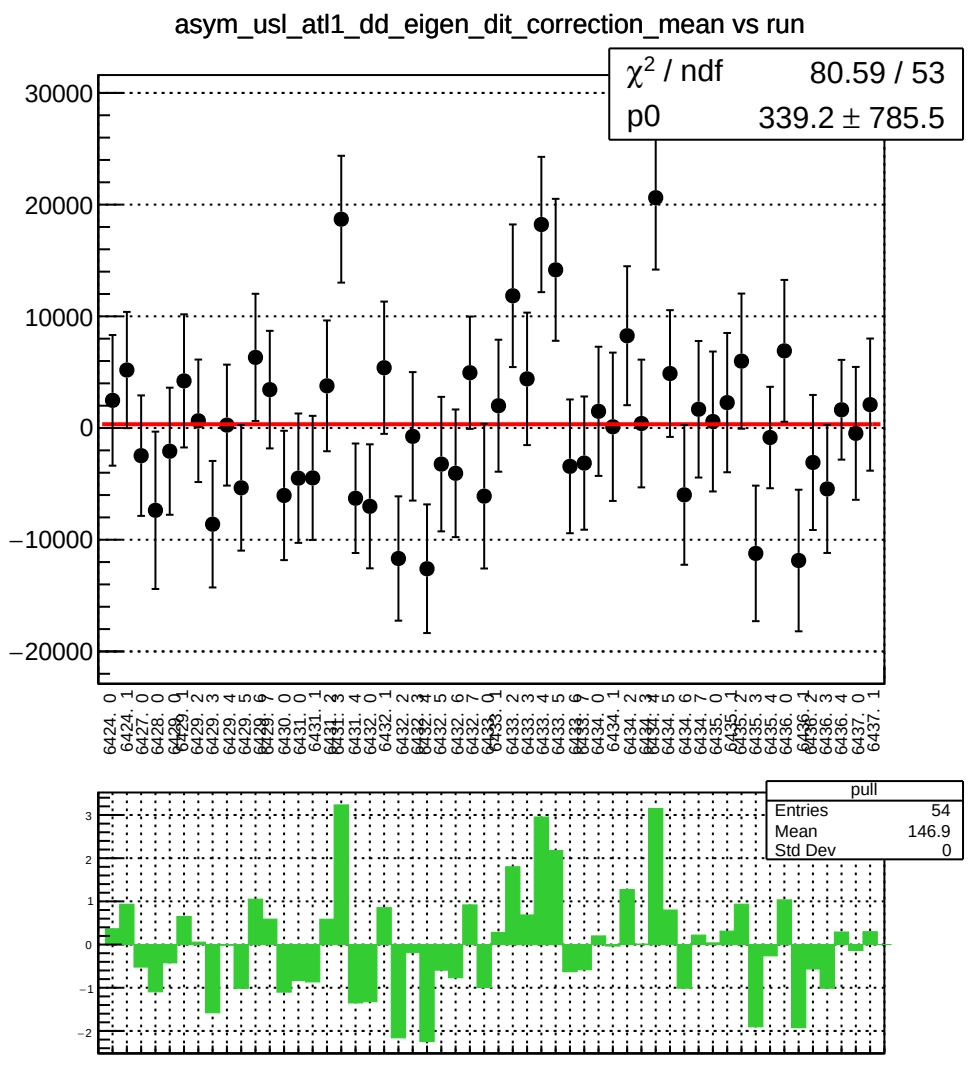

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 289.8 / 53
p0 1147 ± 1.134
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

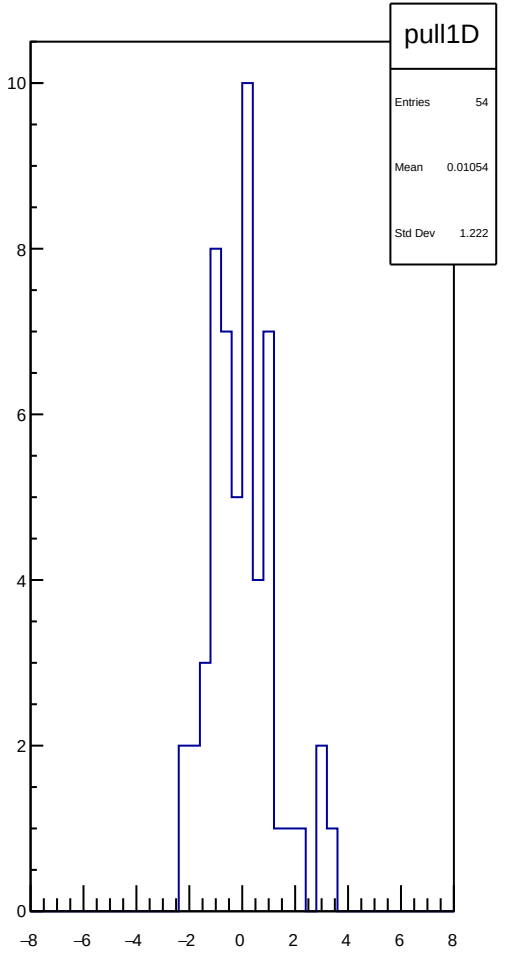

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 80.59 / 53
p0 339.2 ± 785.5
pull
Entries 54
Mean 146.9
Std Dev 0
pull1D
Entries 54
Mean 0.01054
Std Dev 1.222

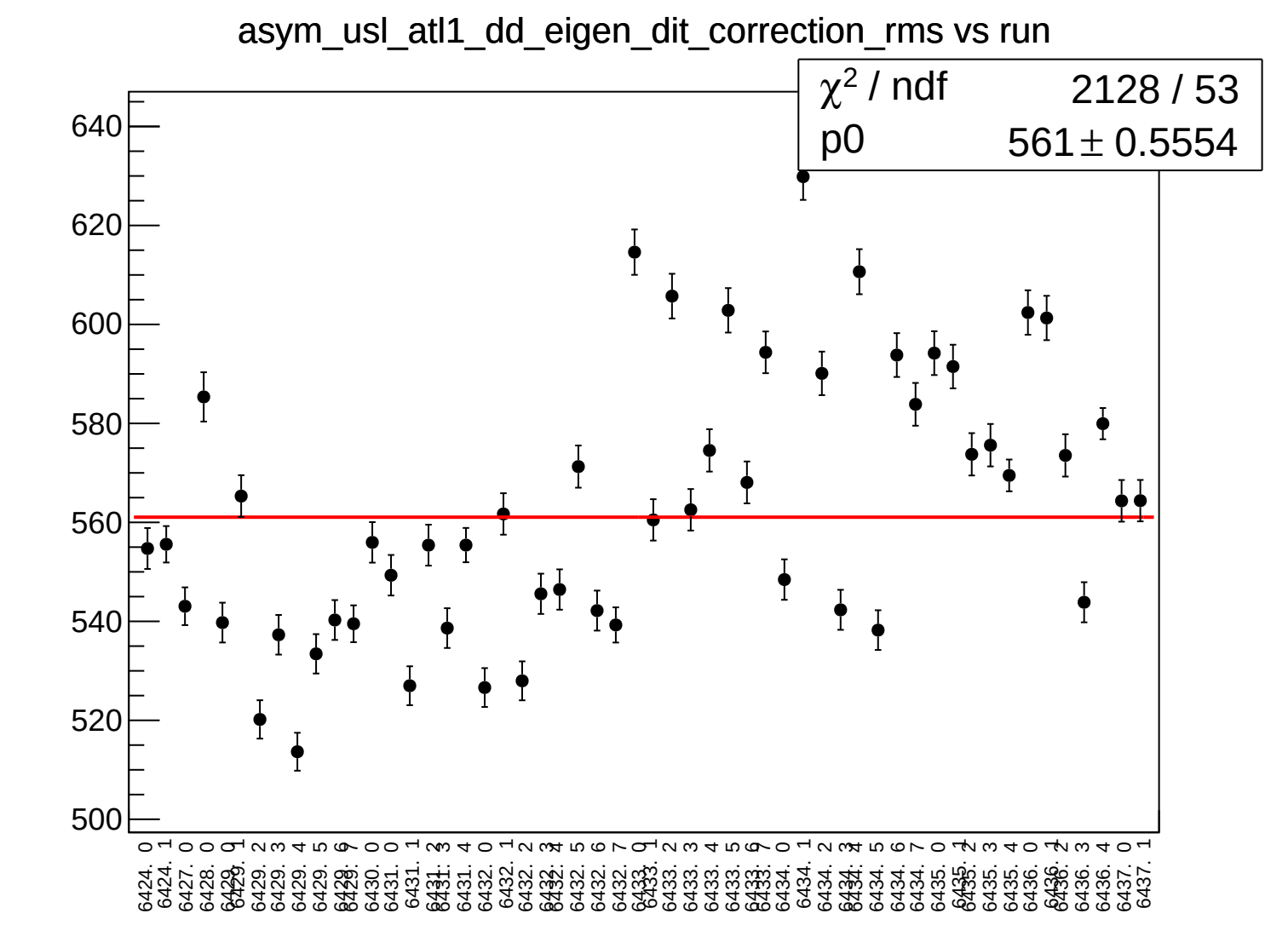

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 2128 / 53
p0 561 ± 0.5554
640
620
600
580
560
540
520
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

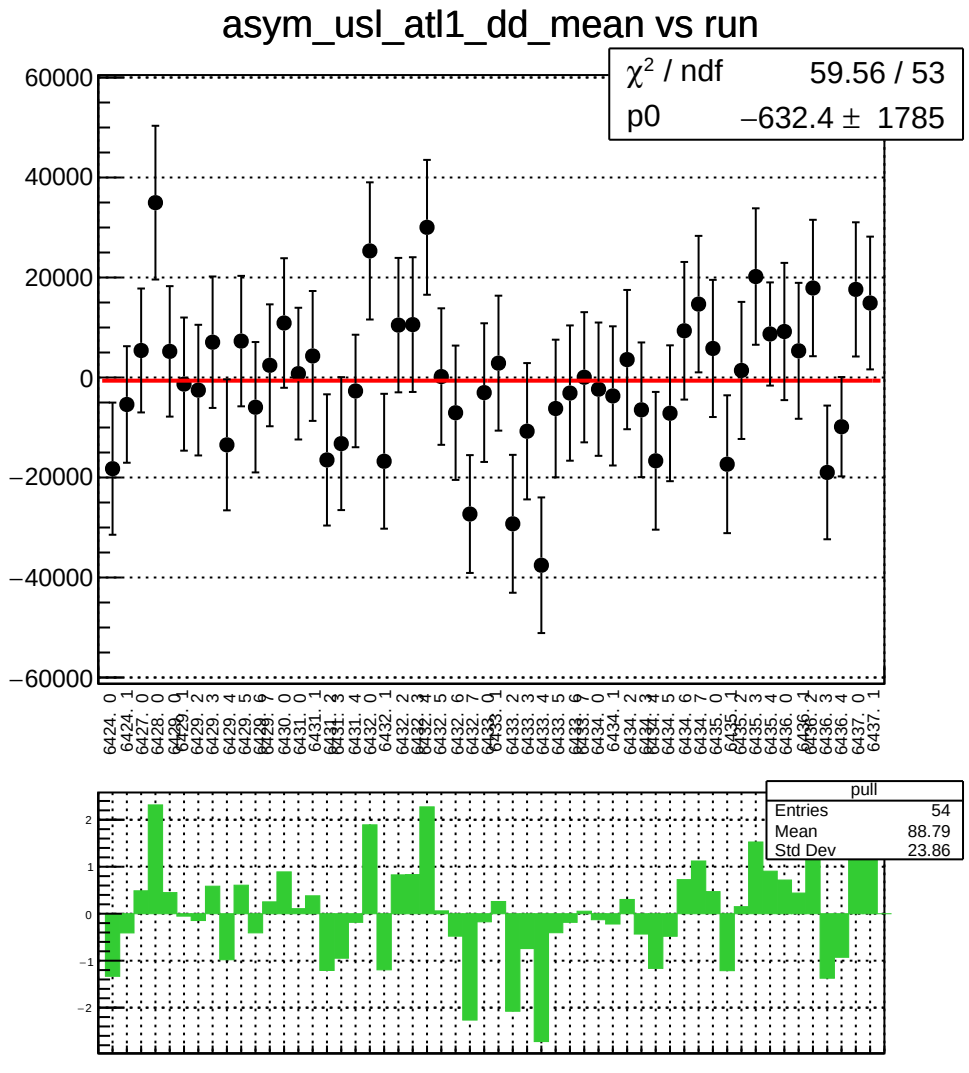

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 46.52 / 53
p0 −184.7 ± 1604
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 126.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.01489
Std Dev 0.9281
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

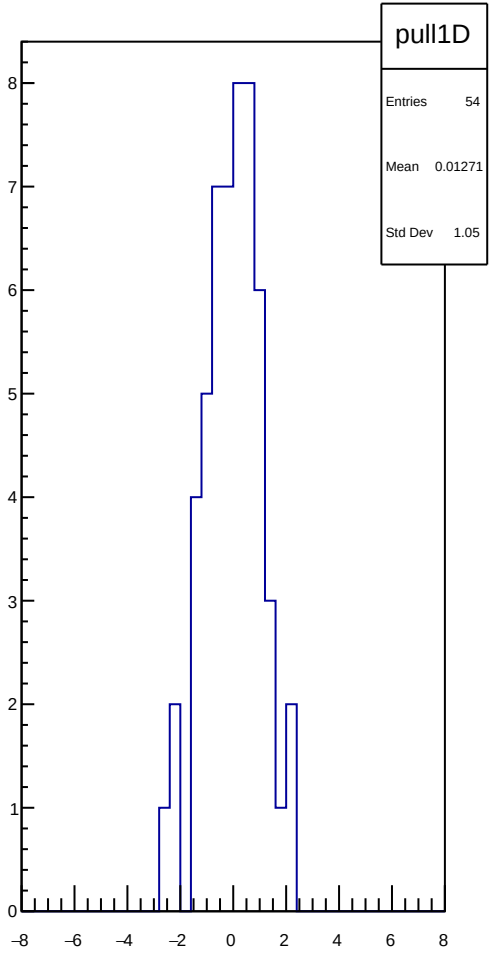

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 289.8 / 53
p0 1147 ± 1.134
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

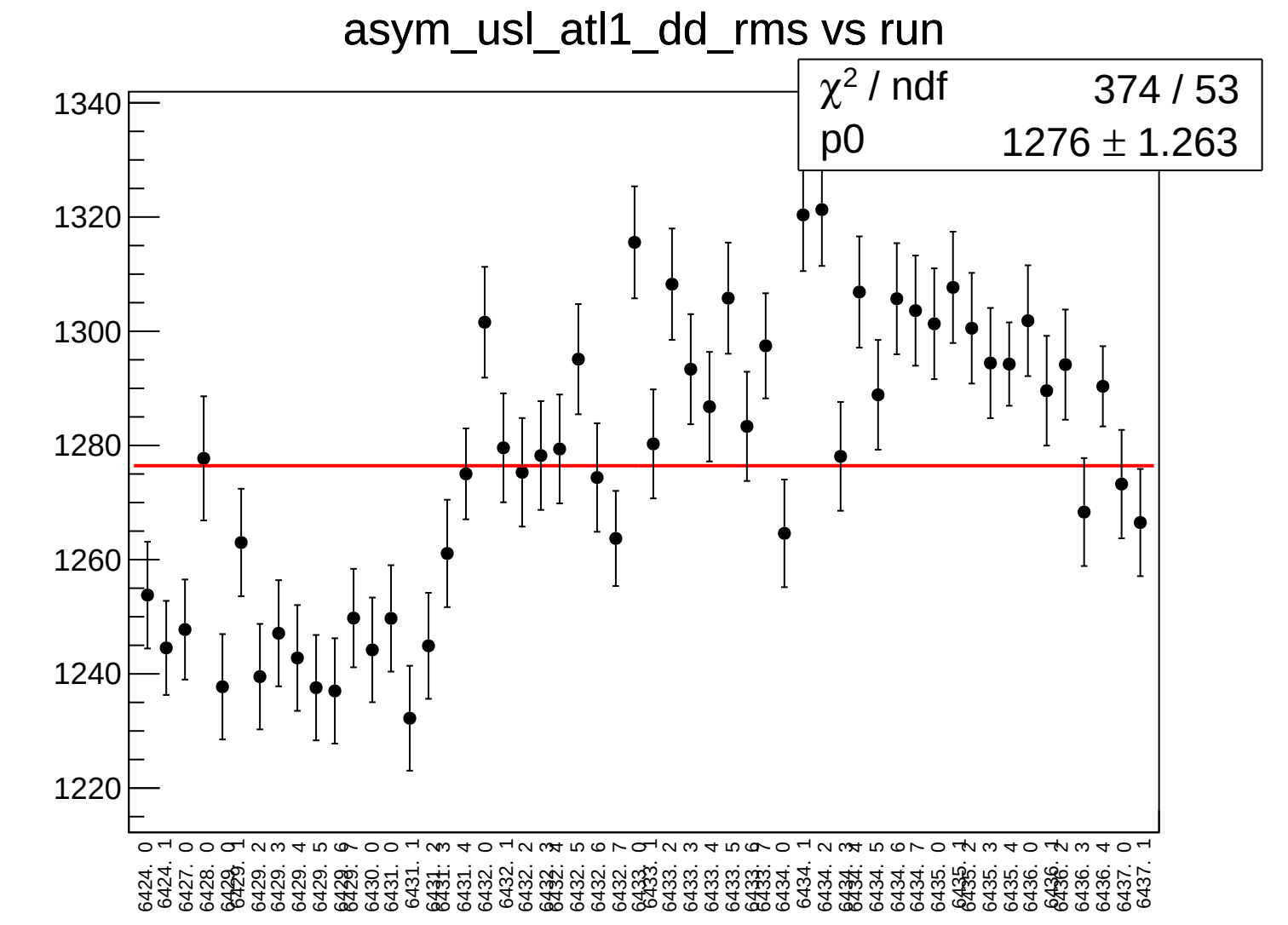

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.59 / 53
p0 339.2 ± 785.5
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 146.9
Std Dev 0
3
2
1
0
−1
−2

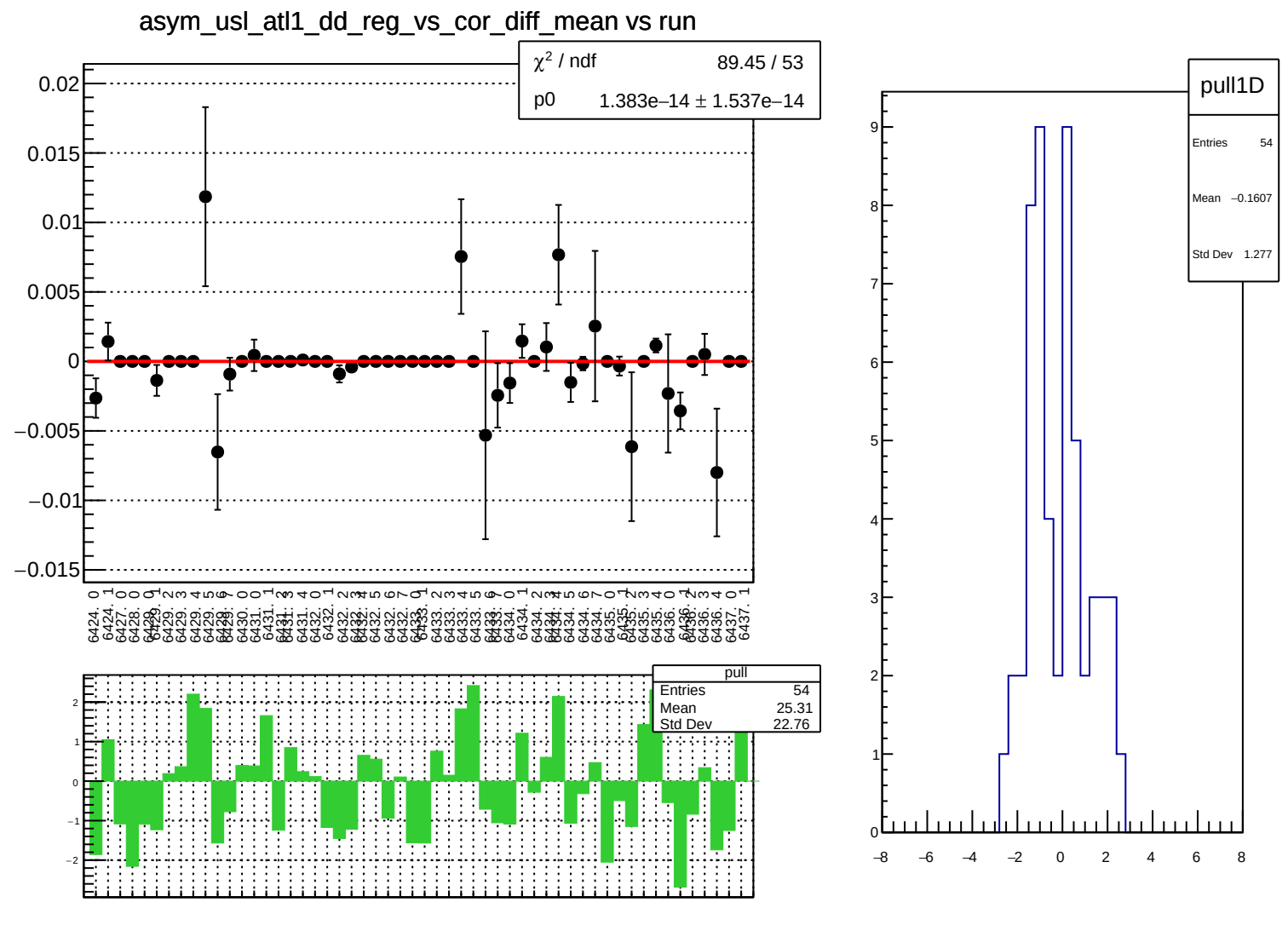

pull1D
Entries 54
Mean 0.01054
Std Dev 1.222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

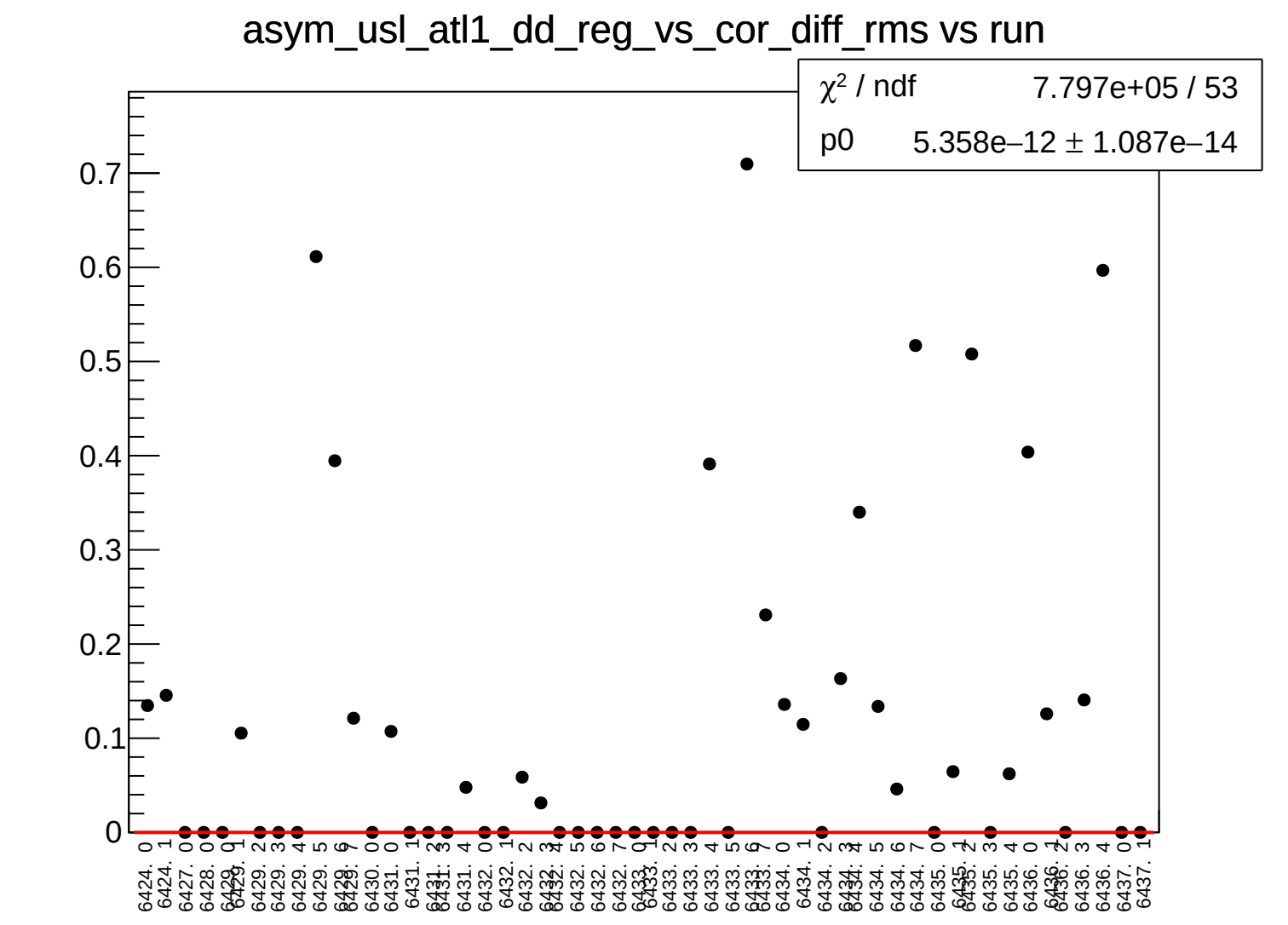

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2128 / 53
p0 561 ± 0.5554
640
620
600
580
560
540
520
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

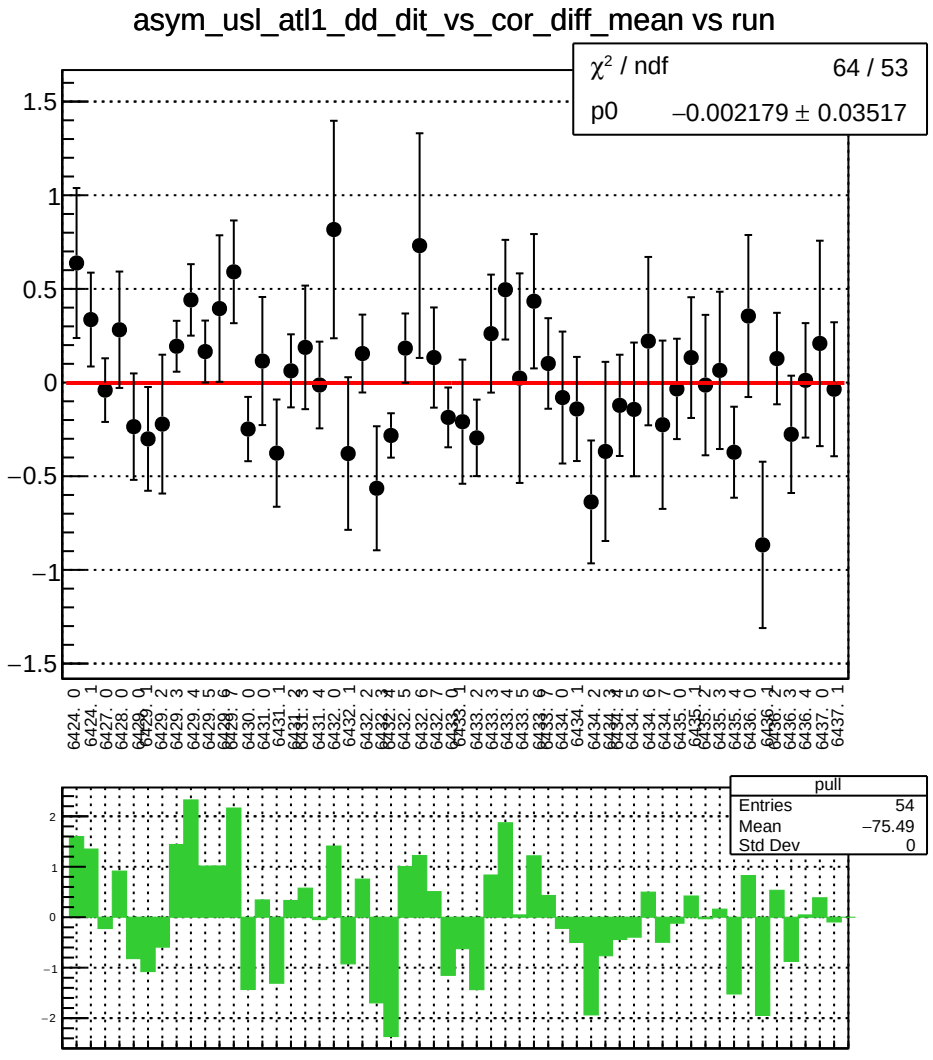

asym_usl_atl1_dd_mean vs run
χ² / ndf 59.56 / 53
p0 −632.4 ± 1785
pull
Entries 54
Mean 88.79
Std Dev 23.86

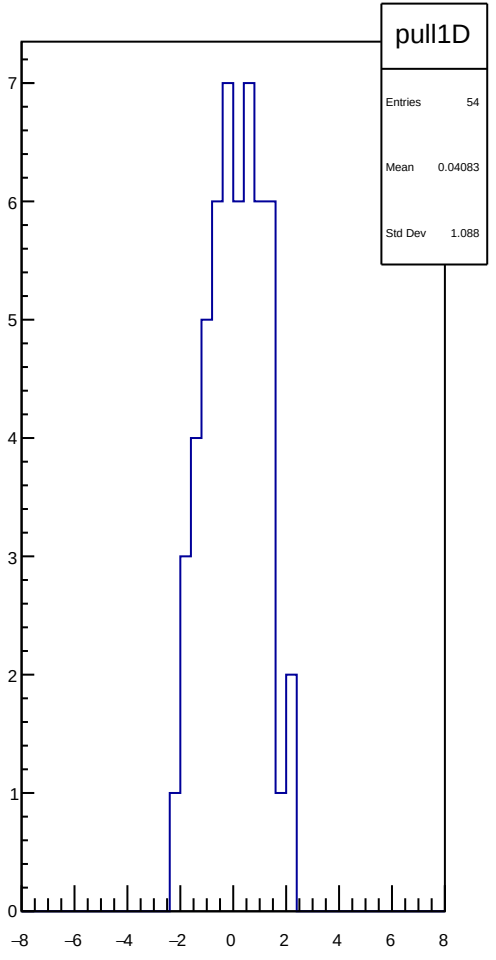

pull1D
Entries 54
Mean 0.01271
Std Dev 1.05

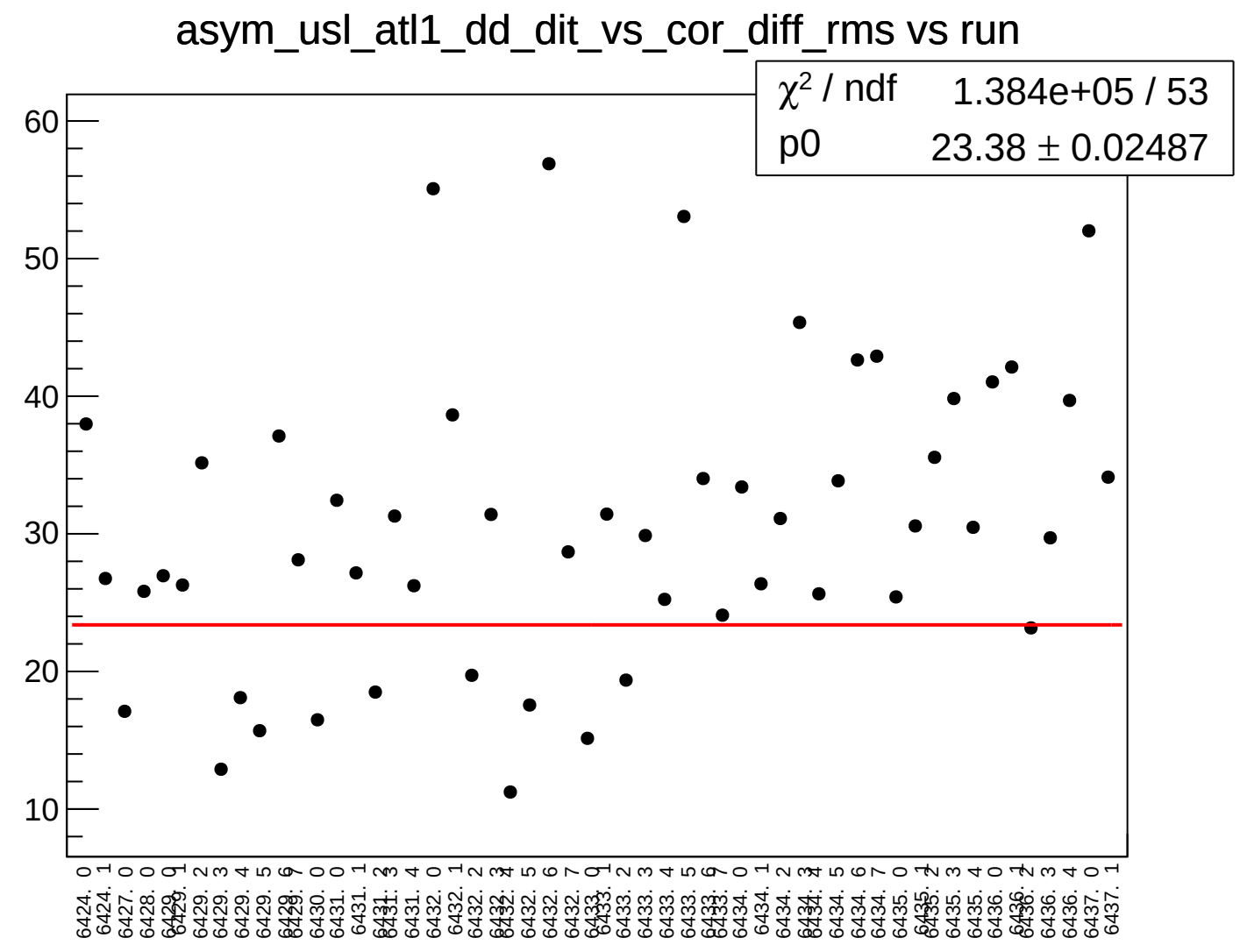

asym_usl_atl1_dd_rms vs run
χ² / ndf 374 / 53
p0 1276 ± 1.263
1340
1320
1300
1280
1260
1240
1220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

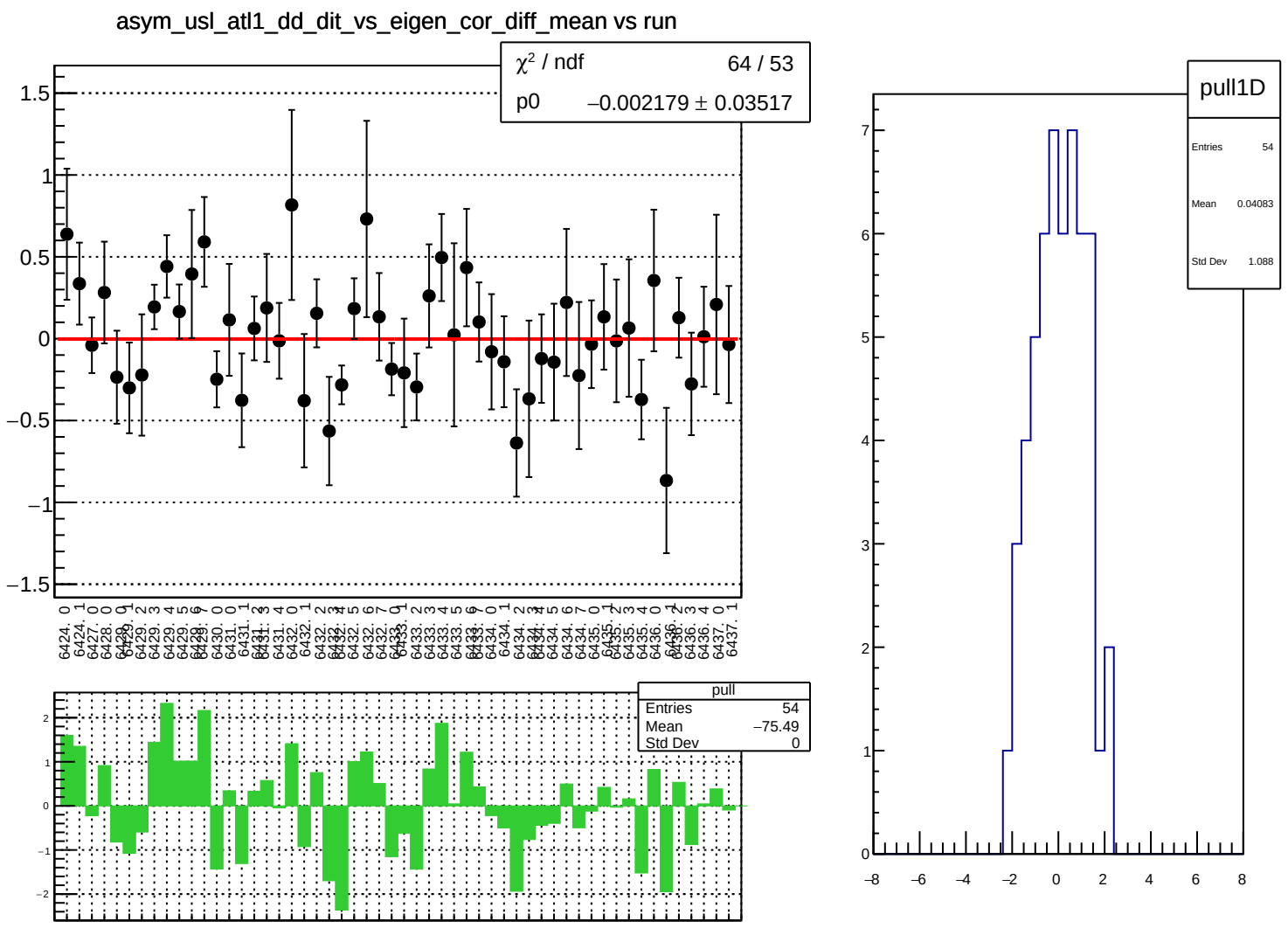

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 89.45 / 53
p0 1.383e−14 ± 1.537e−14
pull
Entries 54
Mean 25.31
Std Dev 22.76
pull1D
Entries 54
Mean −0.1607
Std Dev 1.277

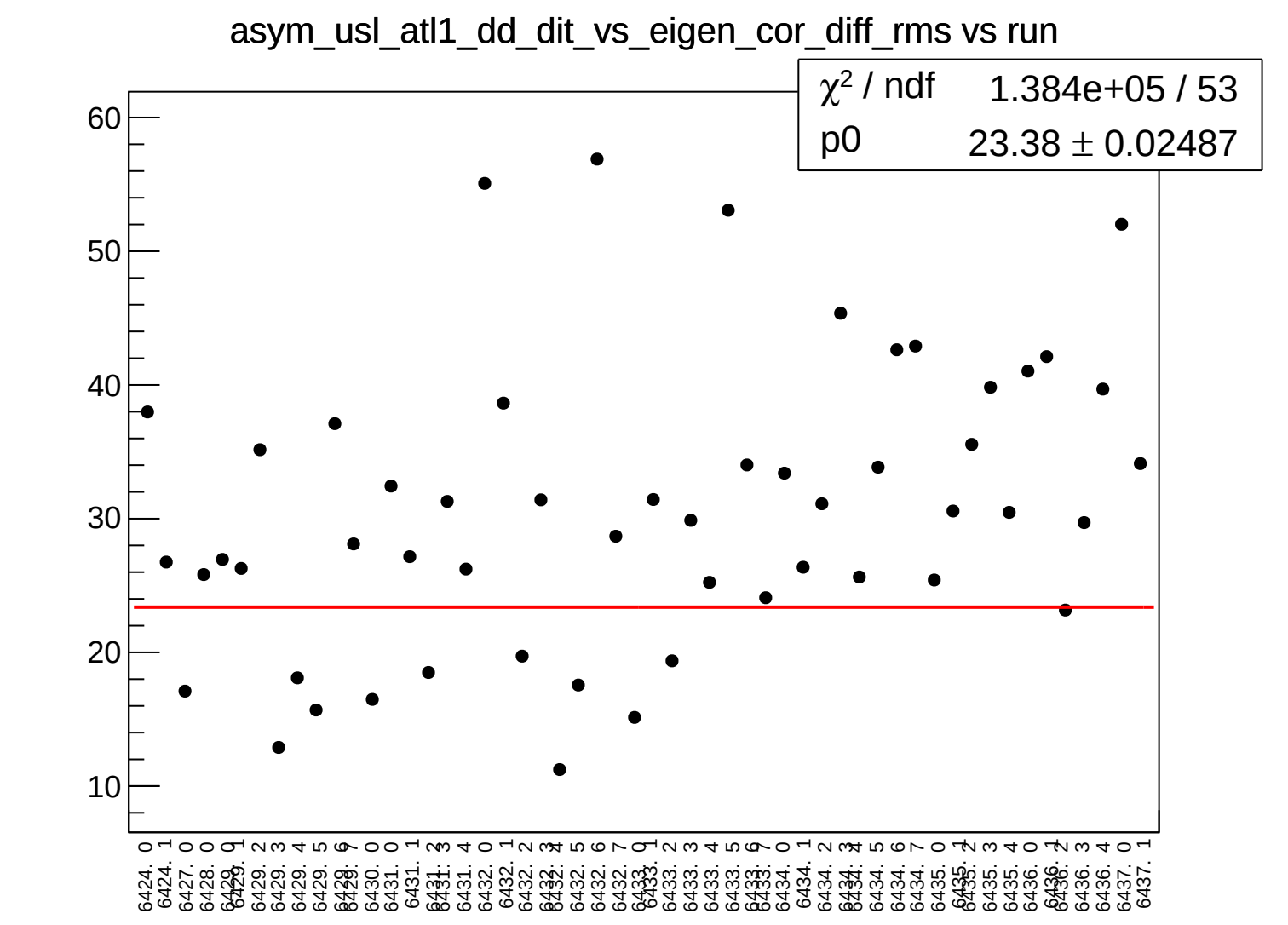

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.797e+05 / 53
p0 5.358e−12 ± 1.087e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

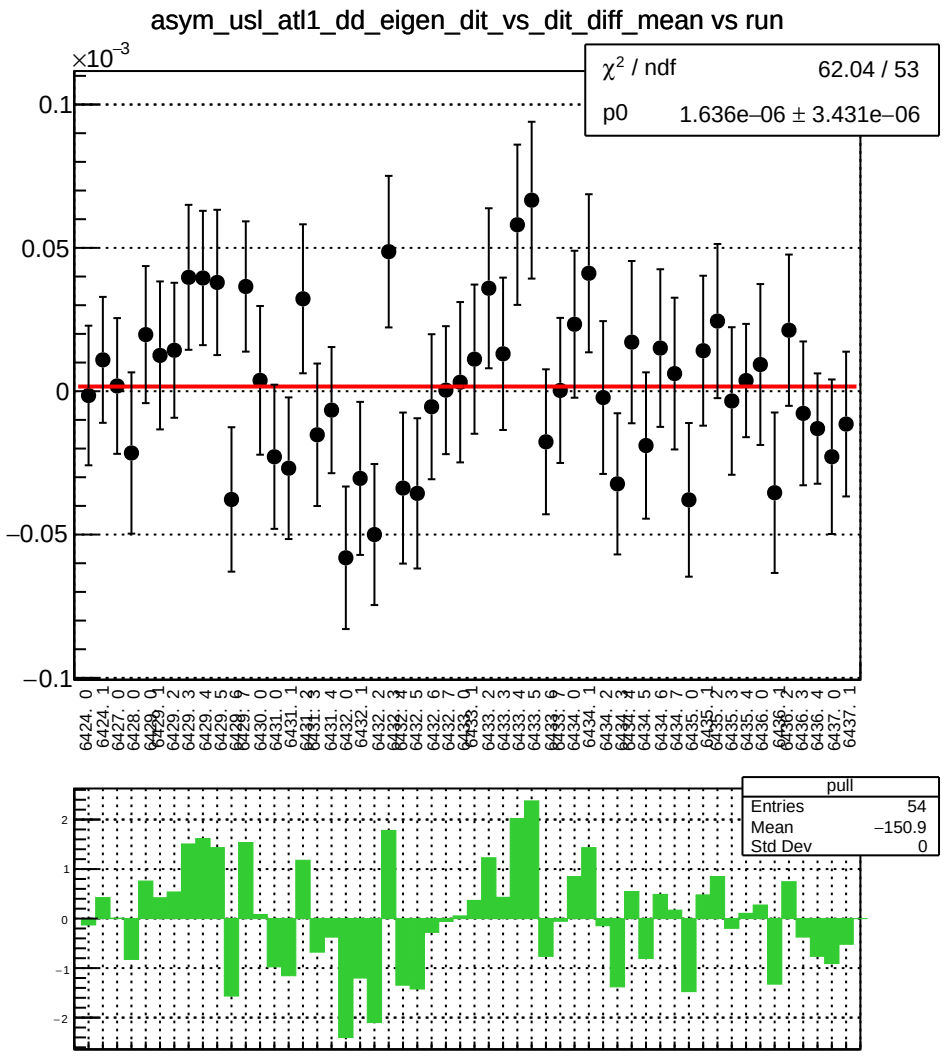

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64 / 53
p0 −0.002179 ± 0.03517
pull
Entries 54
Mean −75.49
Std Dev 0

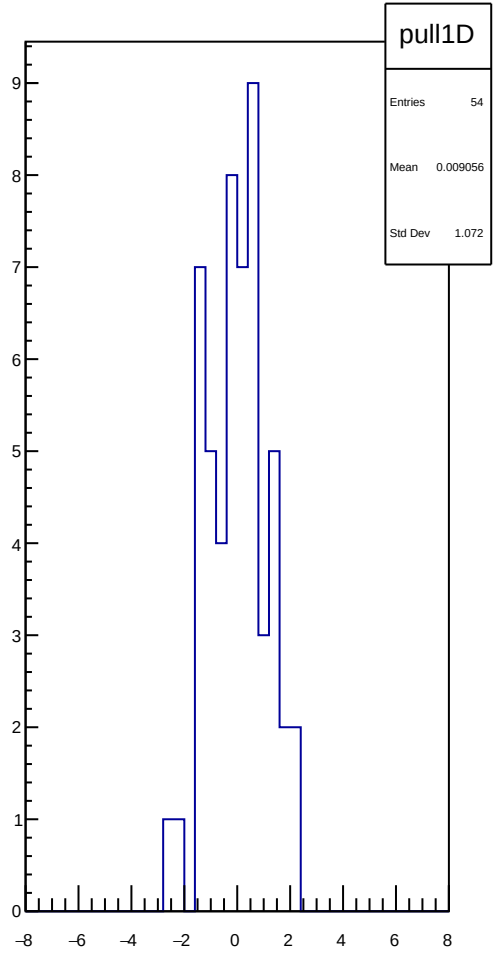

pull1D
Entries 54
Mean 0.04083
Std Dev 1.088

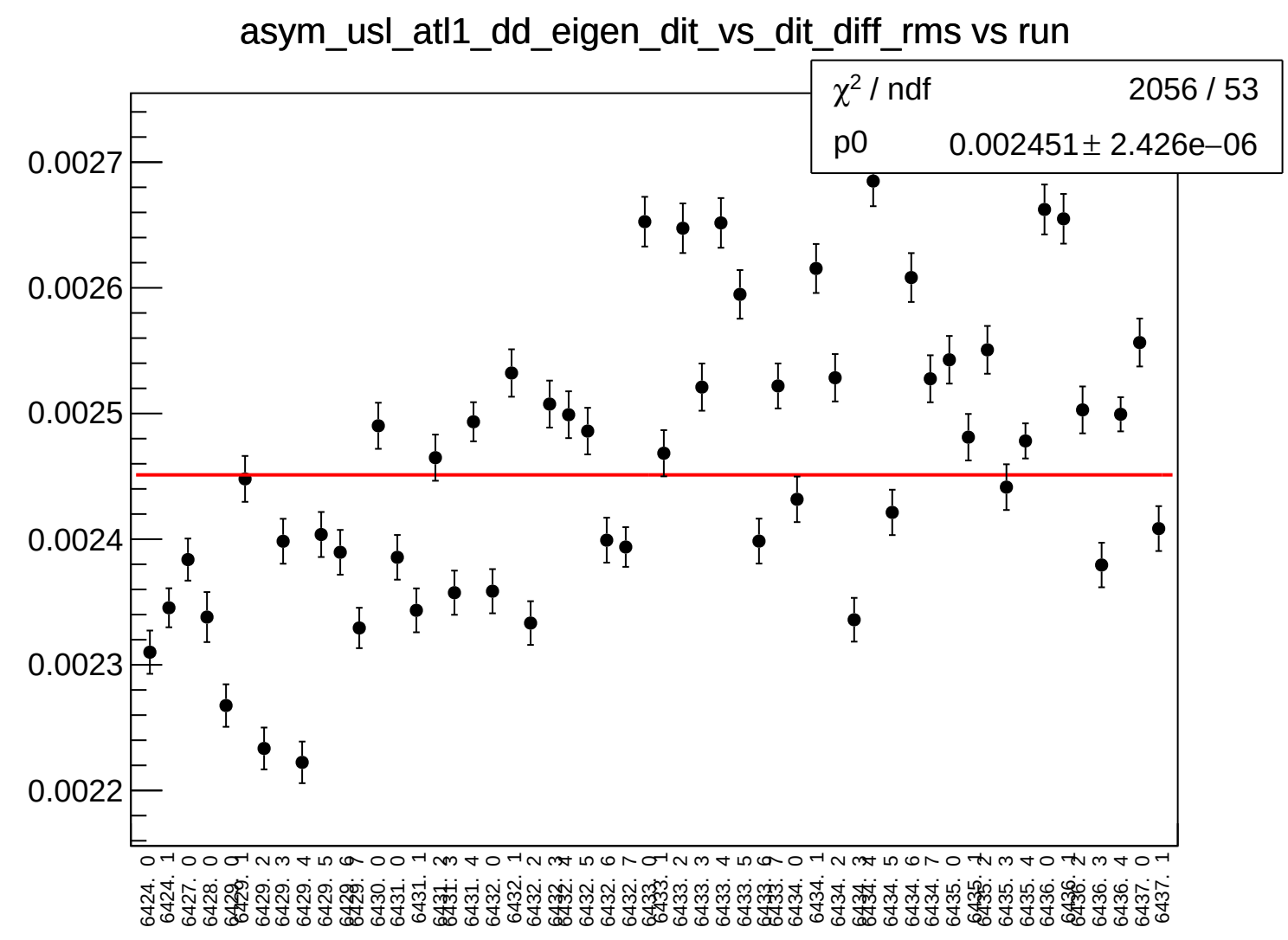

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.384e+05 / 53
p0 23.38 ± 0.02487
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

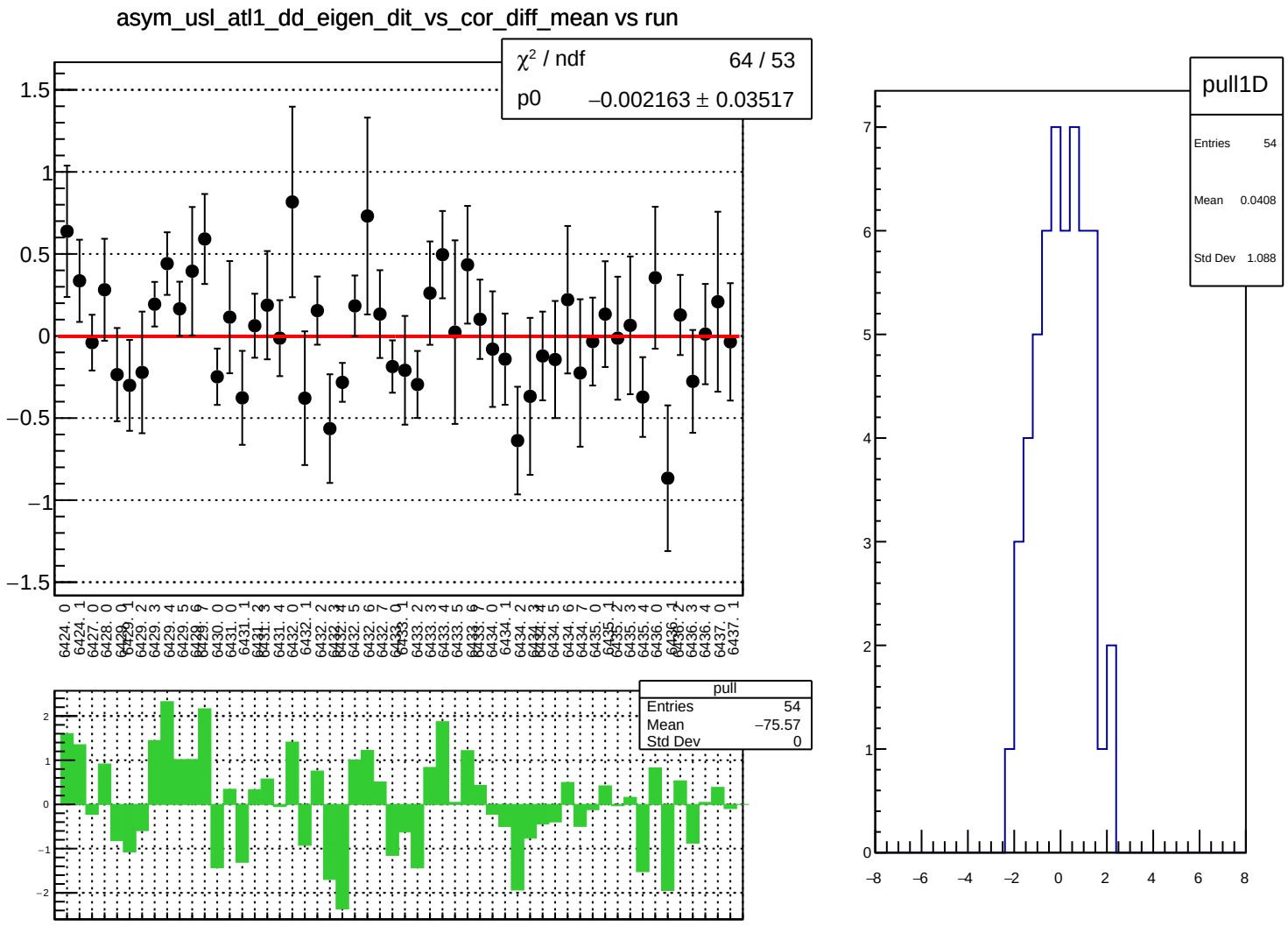

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64 / 53
p0 −0.002179 ± 0.03517
pull
Entries 54
Mean −75.49
Std Dev 0
pull1D
Entries 54
Mean 0.04083
Std Dev 1.088

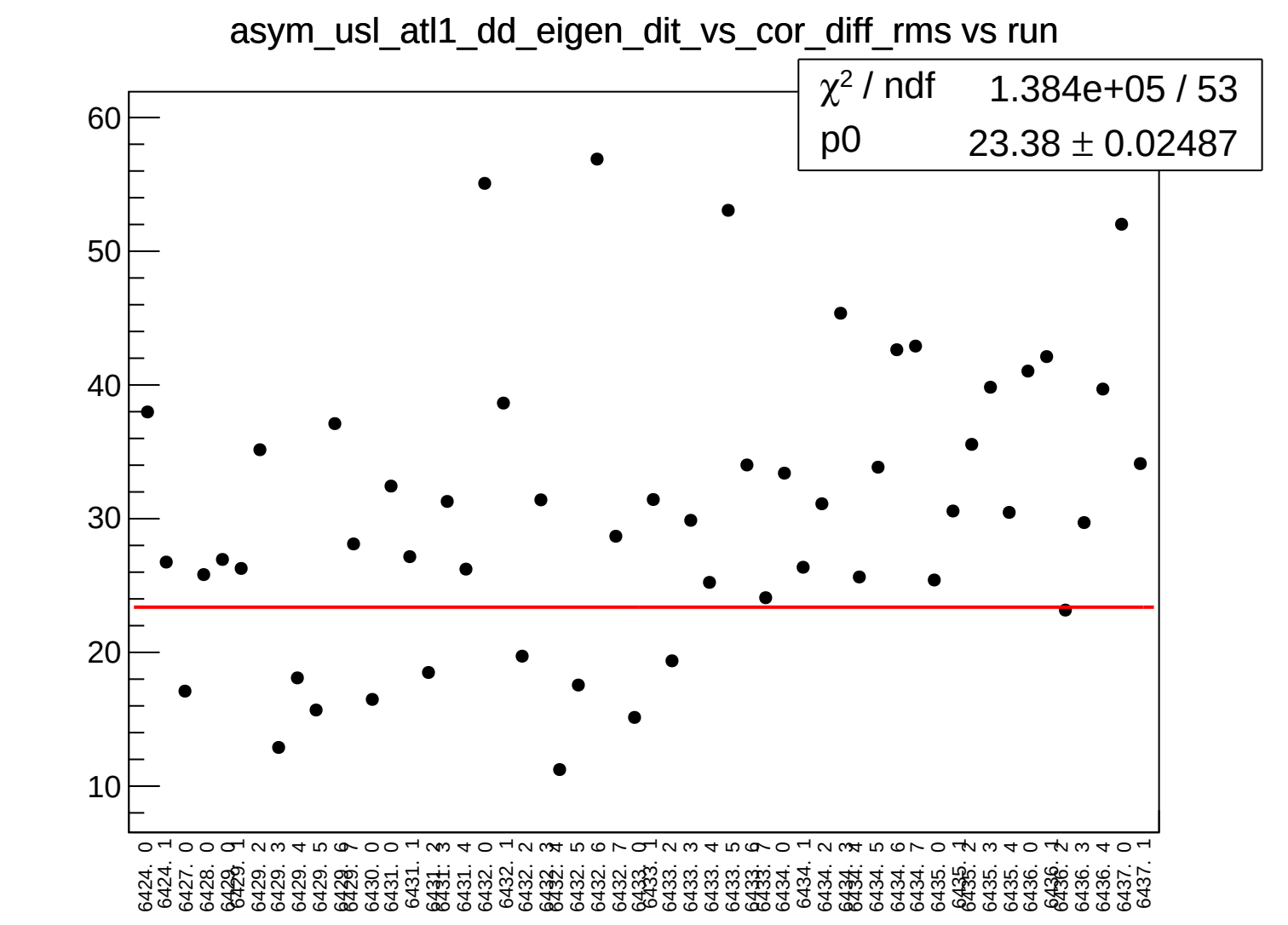

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.384e+05 / 53
p0 23.38 ± 0.02487
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

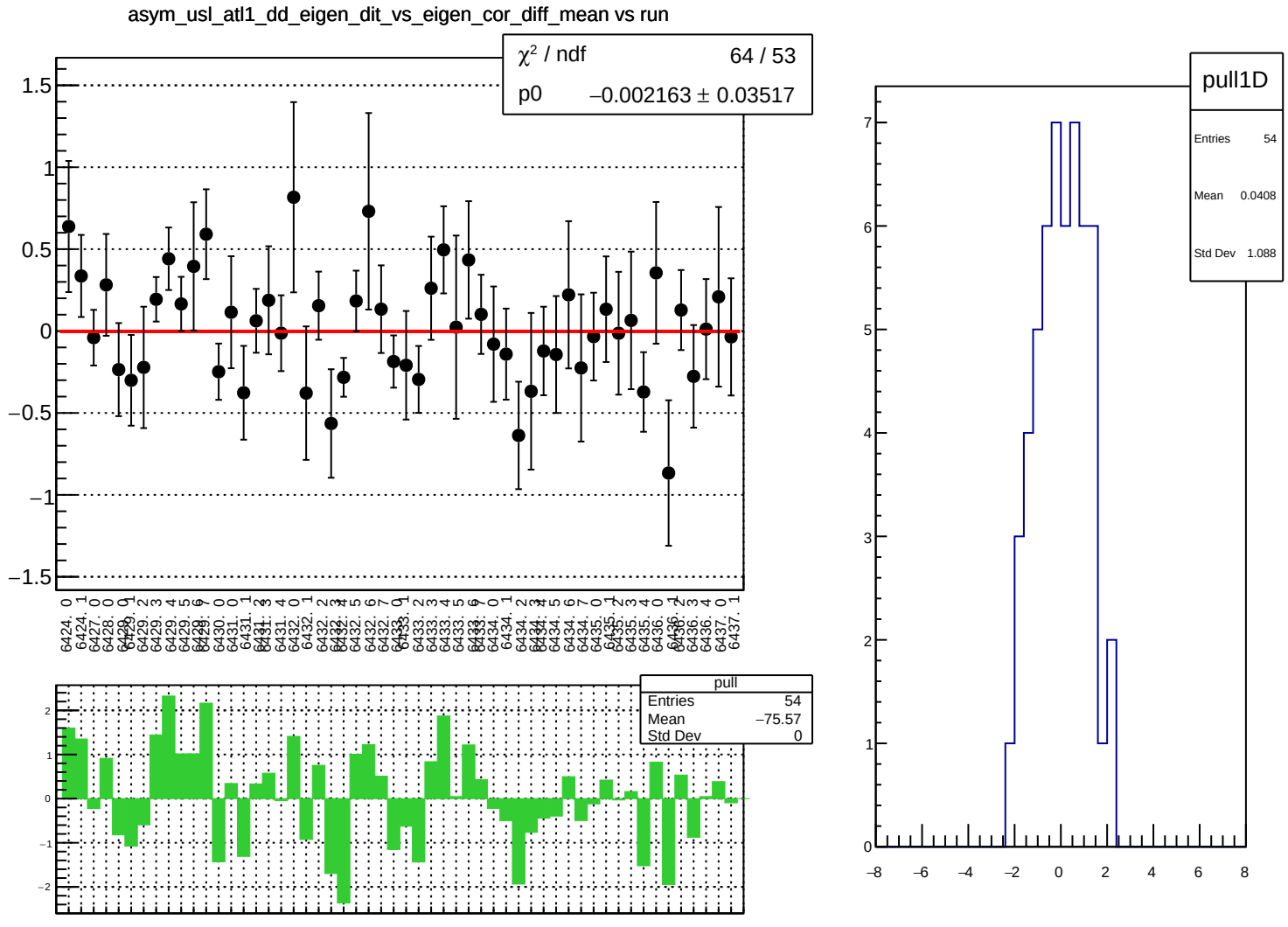

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.04 / 53
p0 1.636e−06 ± 3.431e−06
pull
Entries 54
Mean −150.9
Std Dev 0

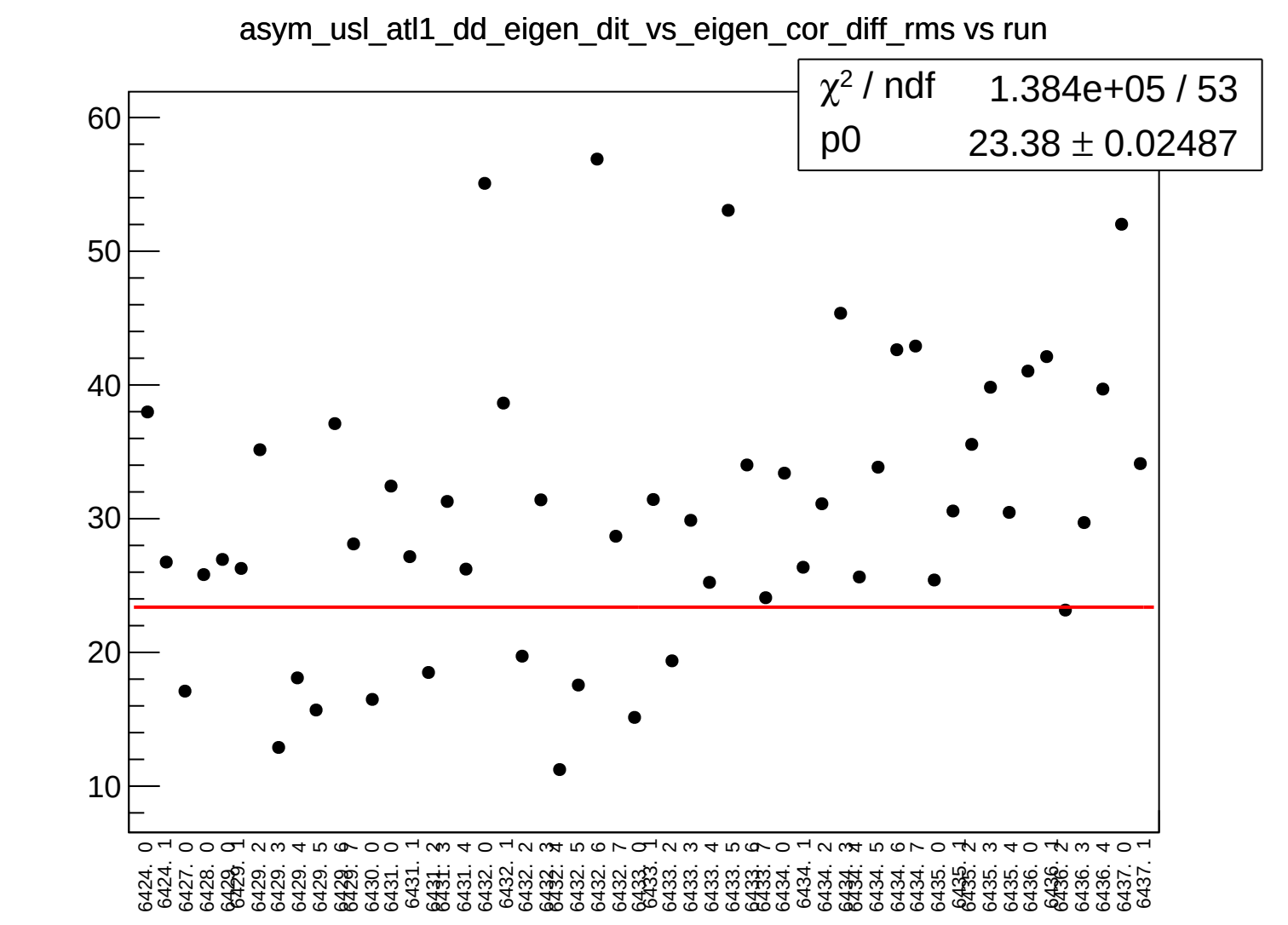

pull1D
Entries 54
Mean 0.009056
Std Dev 1.072

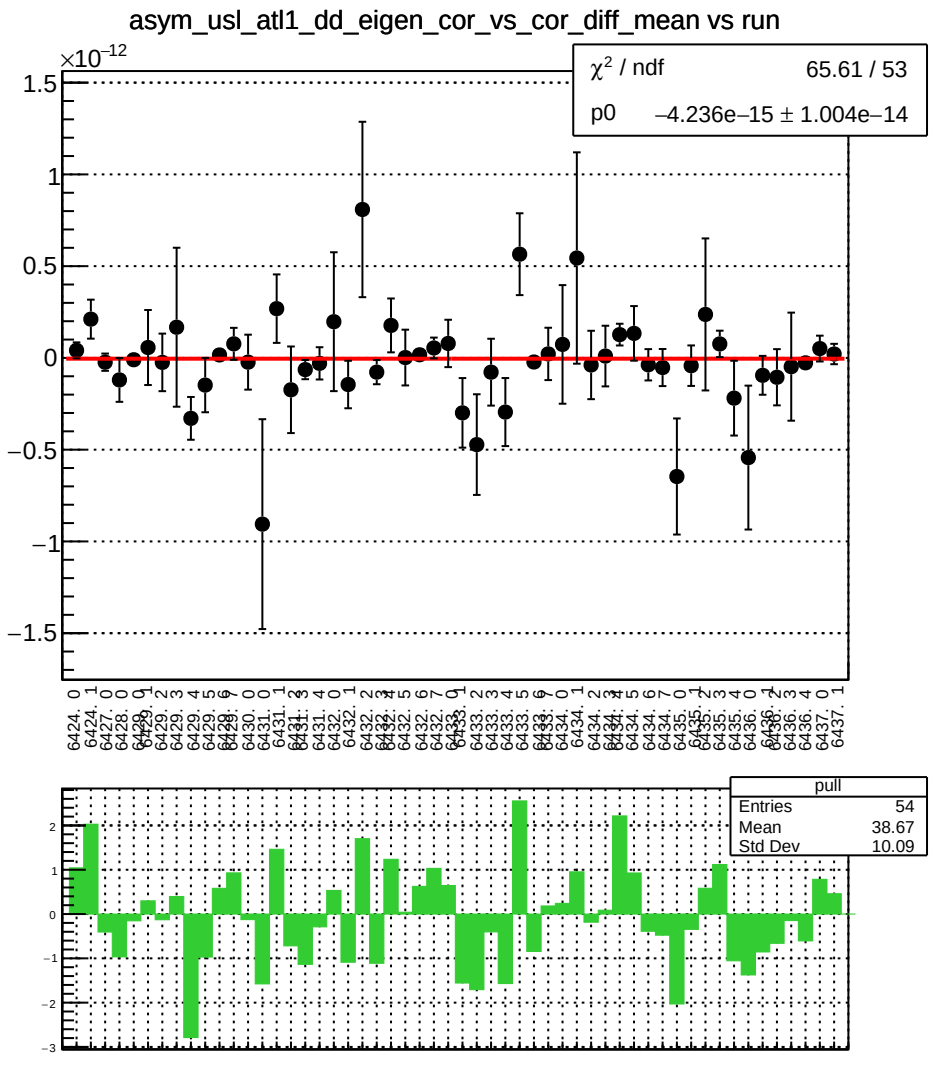

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2056 / 53
p0 0.002451 ± 2.426e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

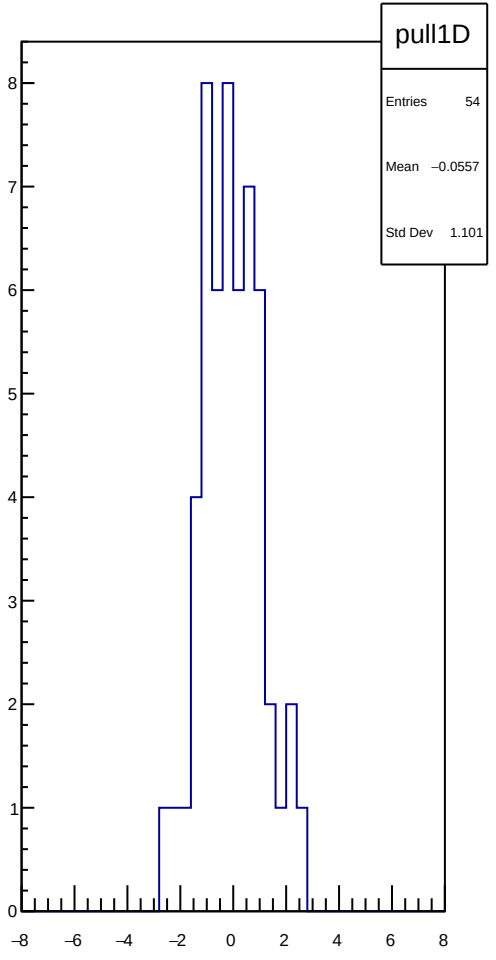

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64 / 53
p0 −0.002163 ± 0.03517
pull
Entries 54
Mean −75.57
Std Dev 0
pull1D
Entries 54
Mean 0.0408
Std Dev 1.088

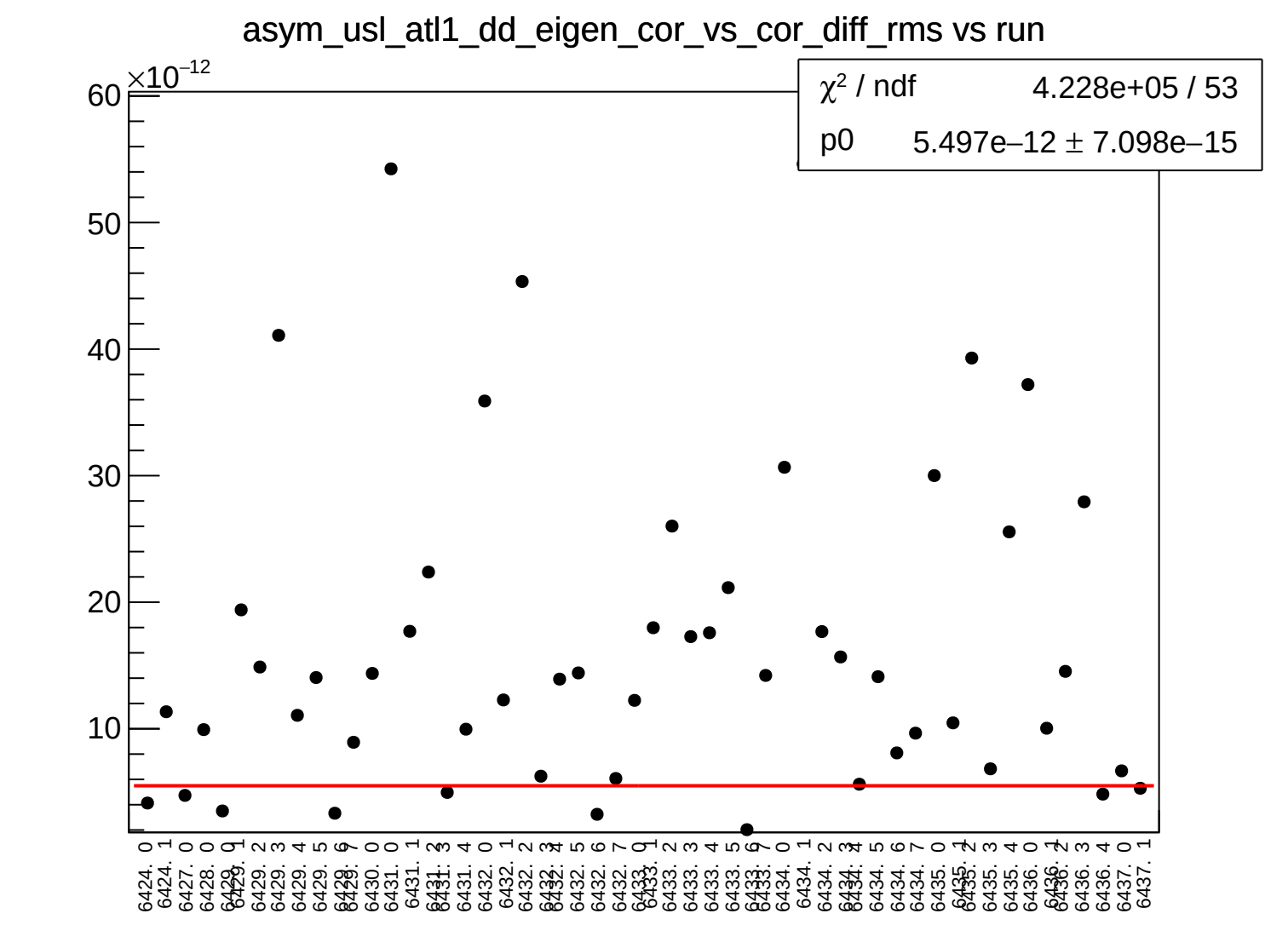

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.384e+05 / 53
p0 23.38 ± 0.02487
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

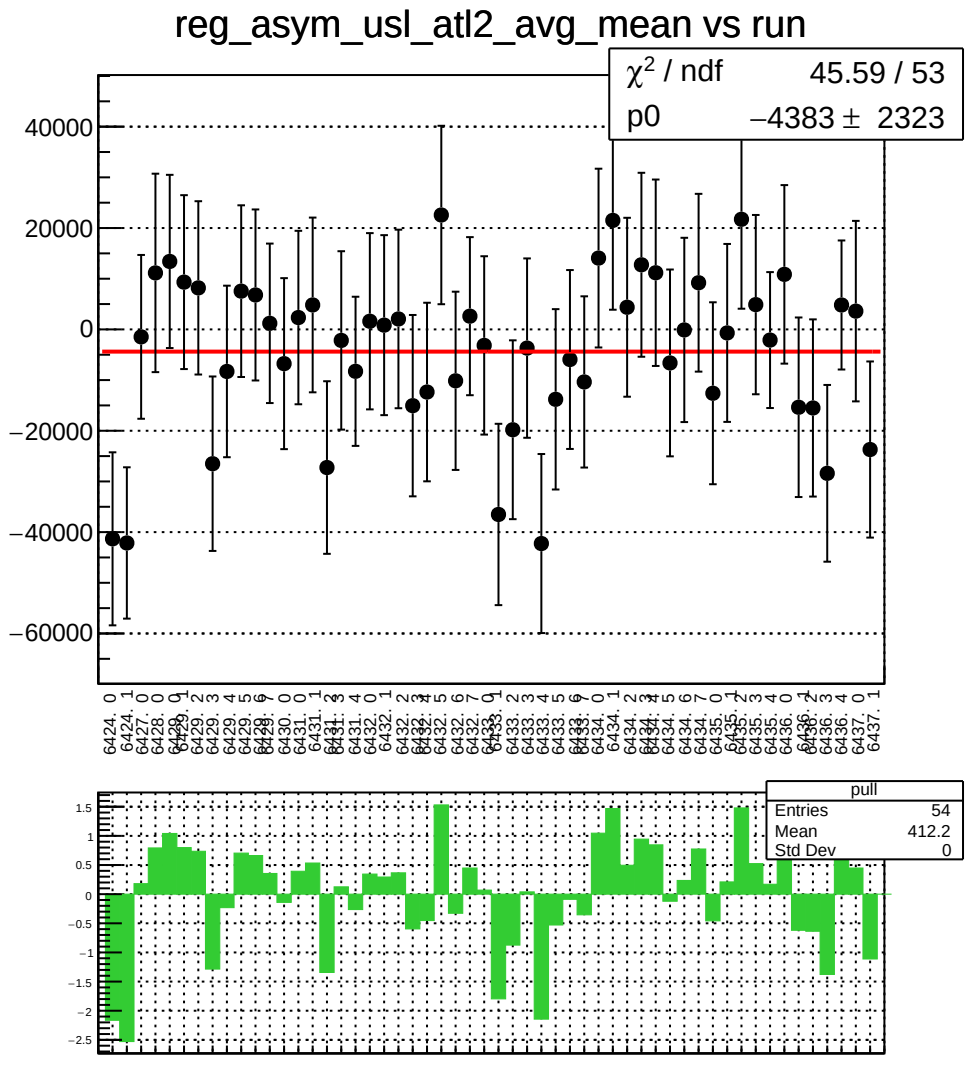

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64 / 53
p0 −0.002163 ± 0.03517
pull
Entries 54
Mean −75.57
Std Dev 0
pull1D
Entries 54
Mean 0.0408
Std Dev 1.088

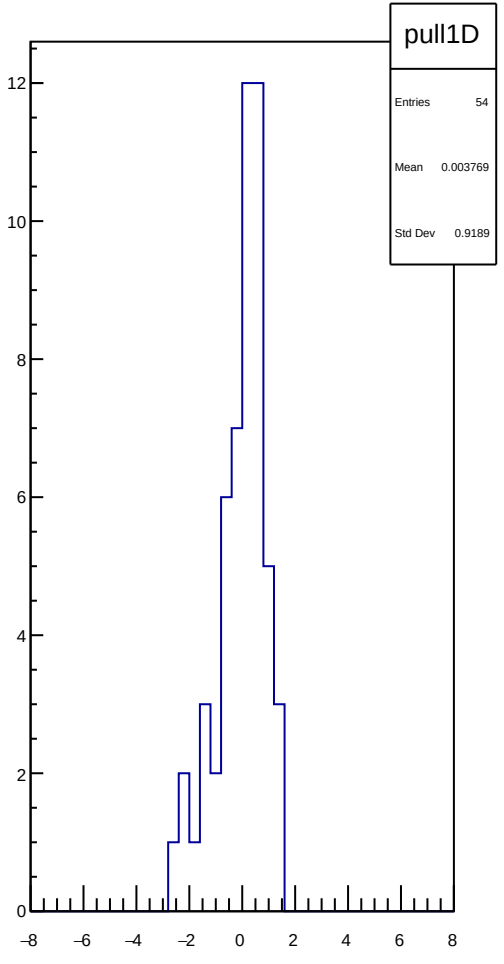

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.384e+05 / 53
p0 23.38 ± 0.02487
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

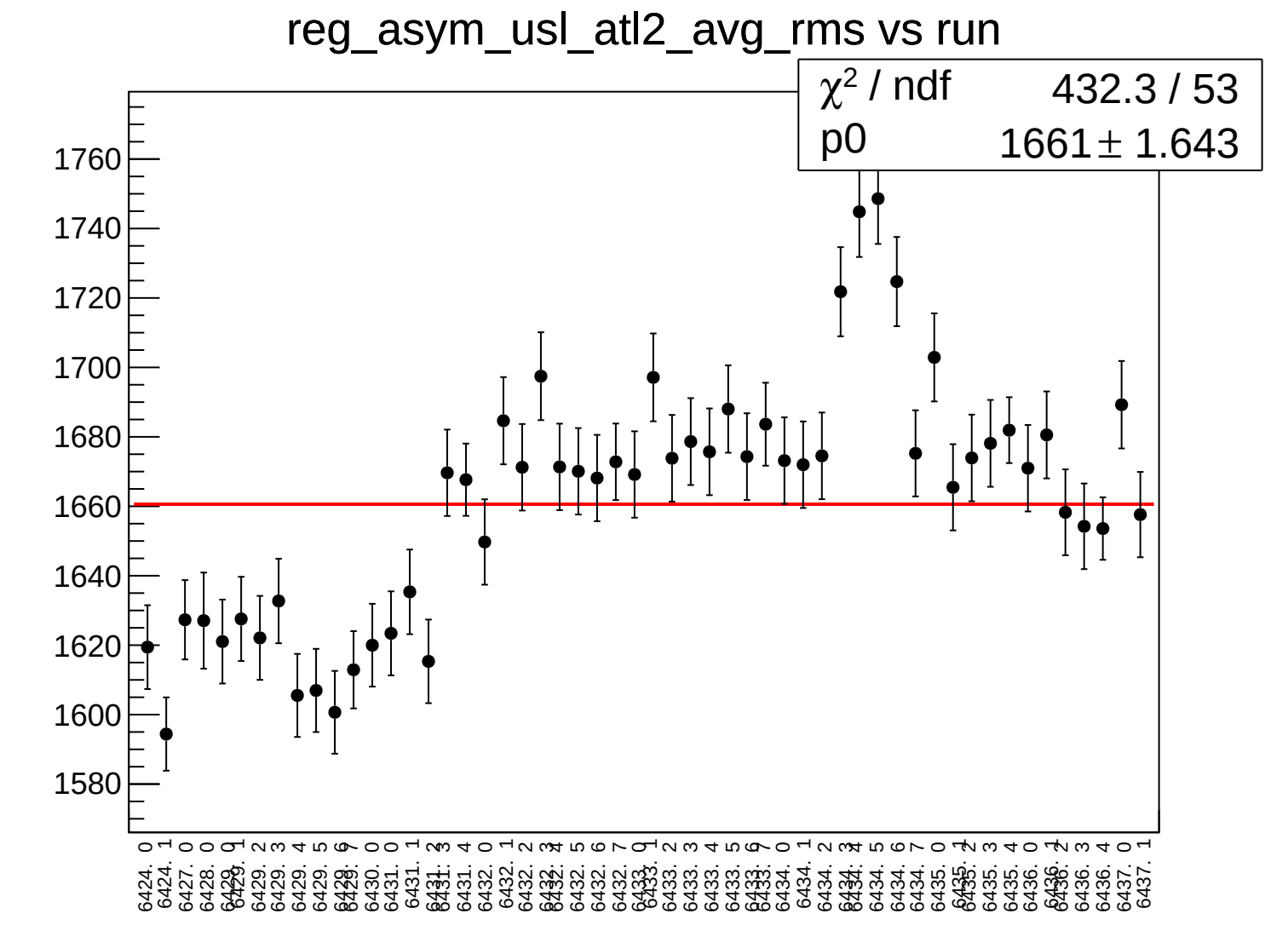

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.61 / 53
p0 −4.236e−15 ± 1.004e−14
pull
Entries 54
Mean 38.67
Std Dev 10.09

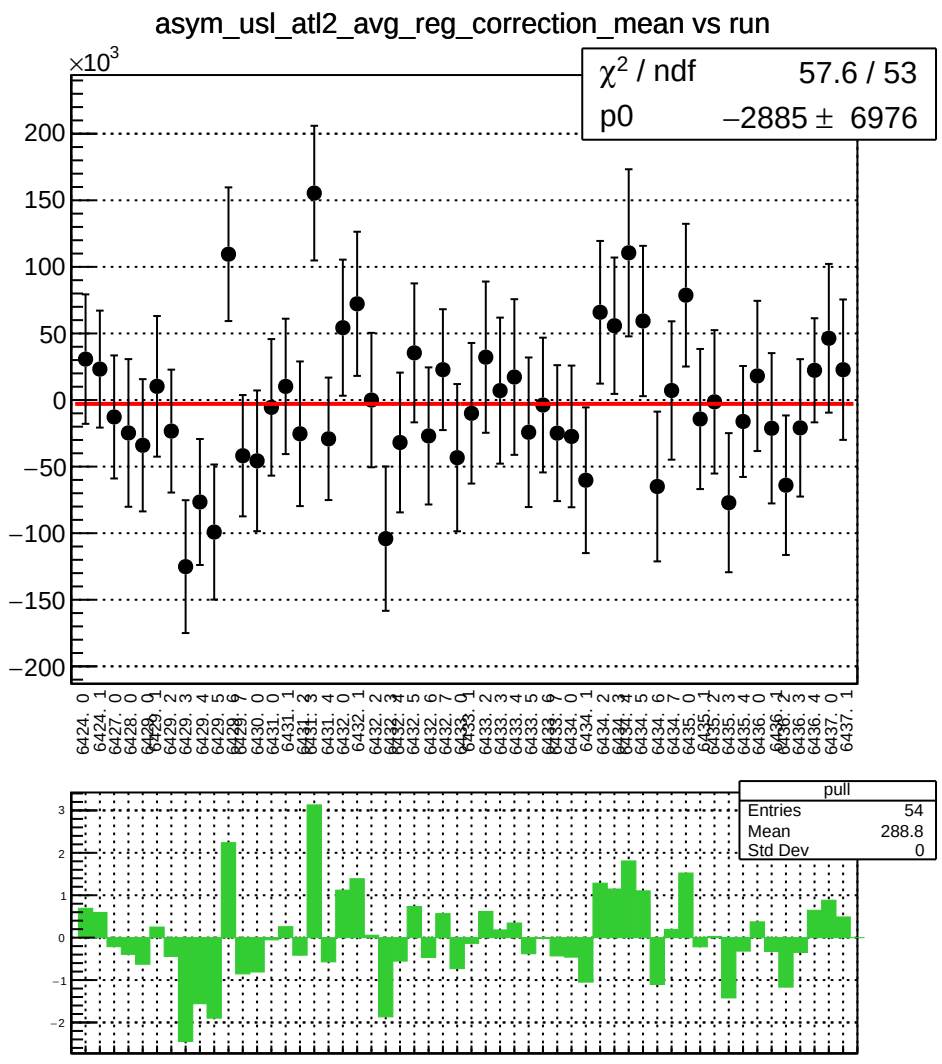

pull1D
Entries 54
Mean −0.0557
Std Dev 1.101

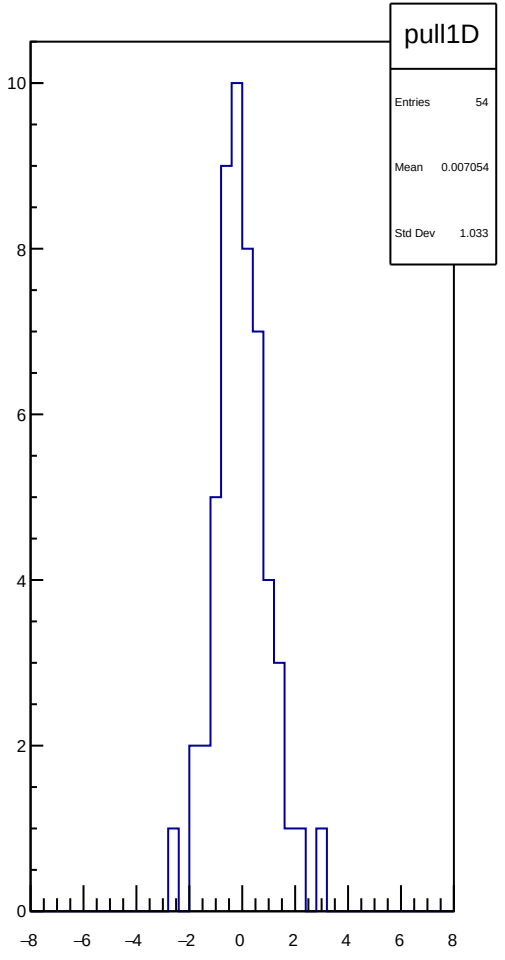

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.228e+05 / 53
p0 5.497e−12 ± 7.098e−15
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

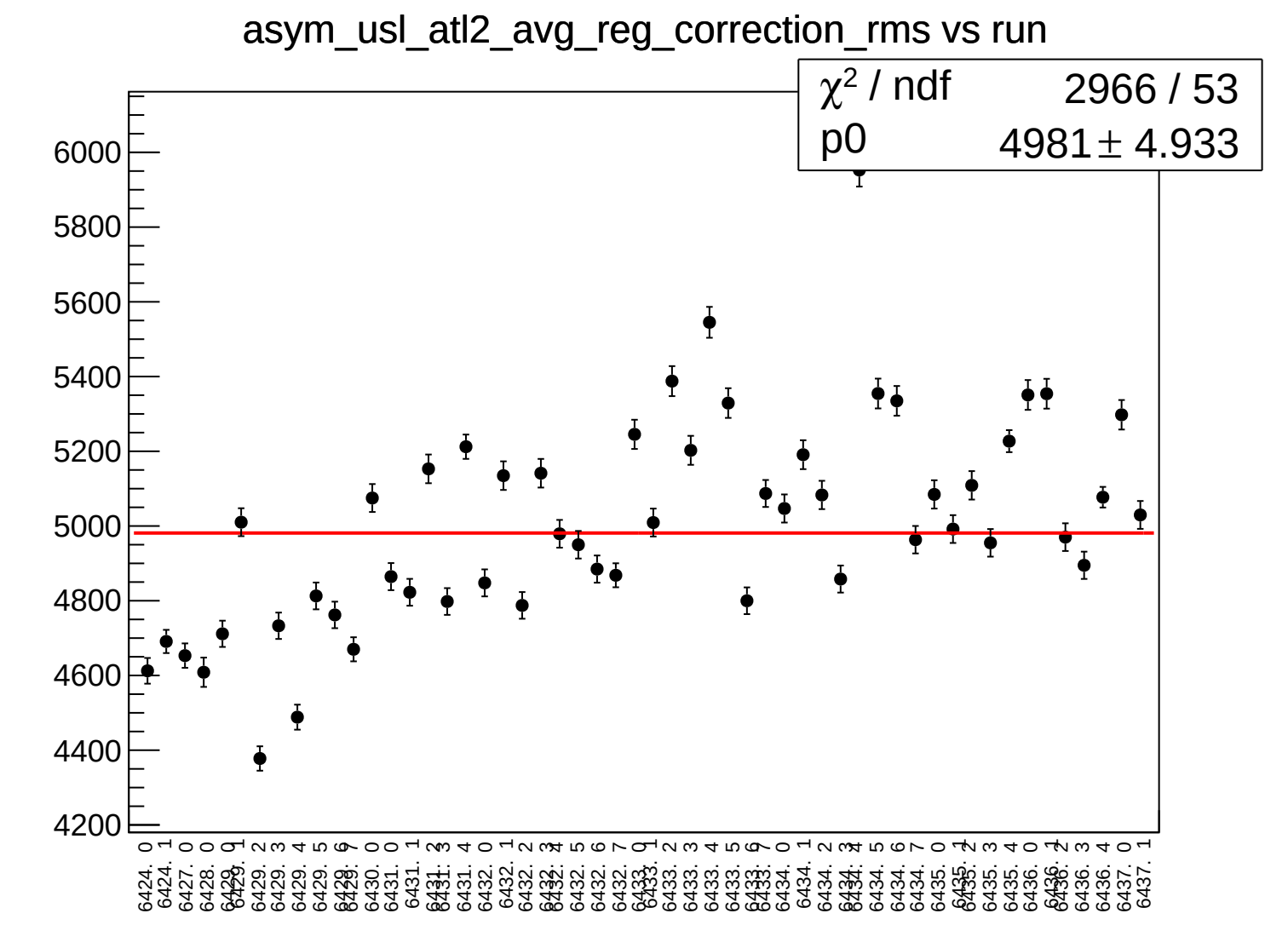

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.59 / 53
p0 −4383 ± 2323
pull
Entries 54
Mean 412.2
Std Dev 0

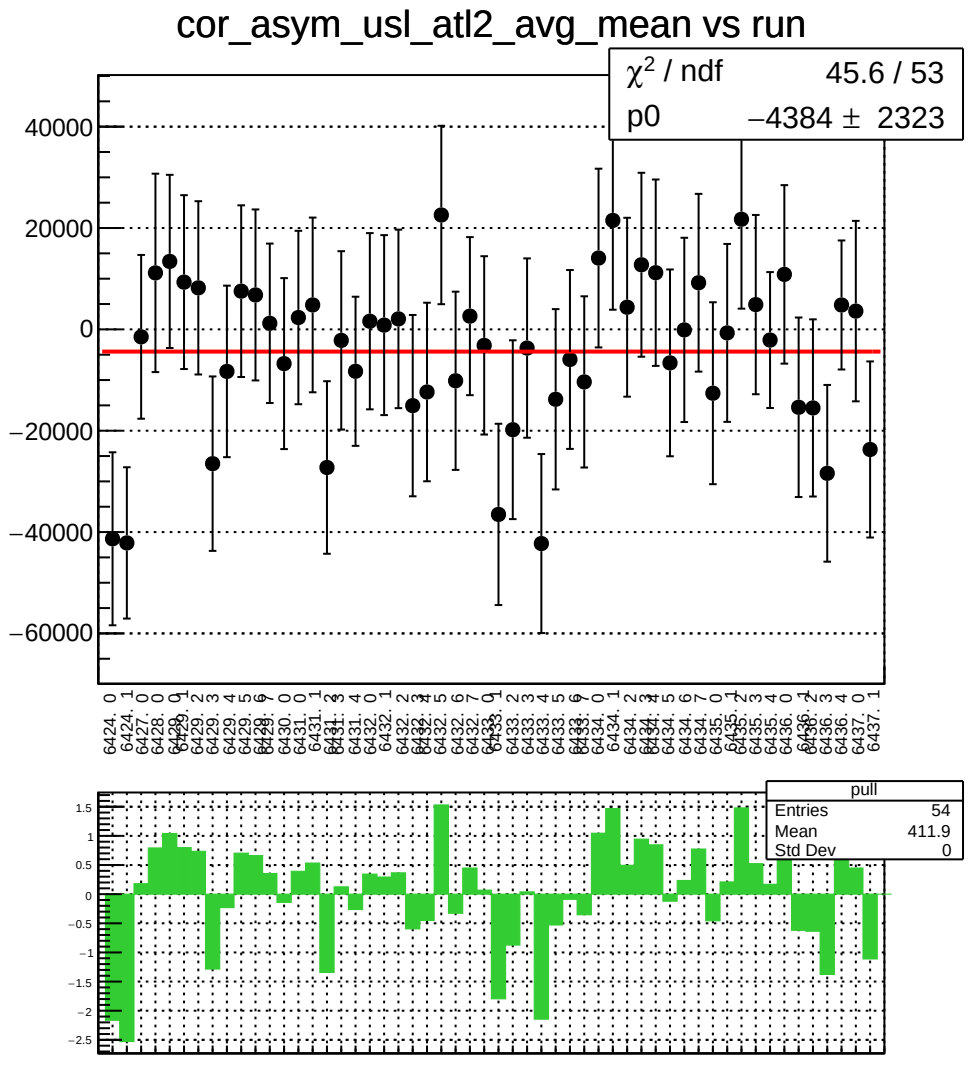

pull1D
Entries 54
Mean 0.003769
Std Dev 0.9189

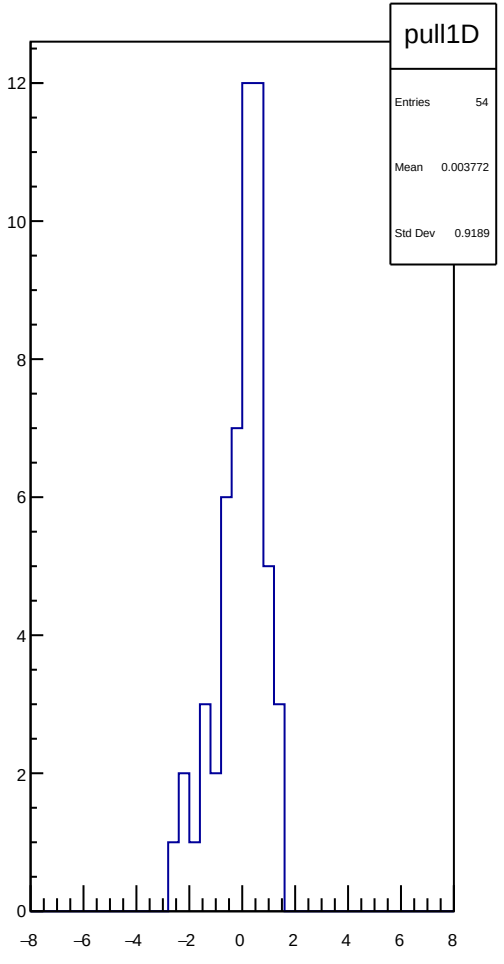

reg_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 432.3 / 53
p0 1661 ± 1.643
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

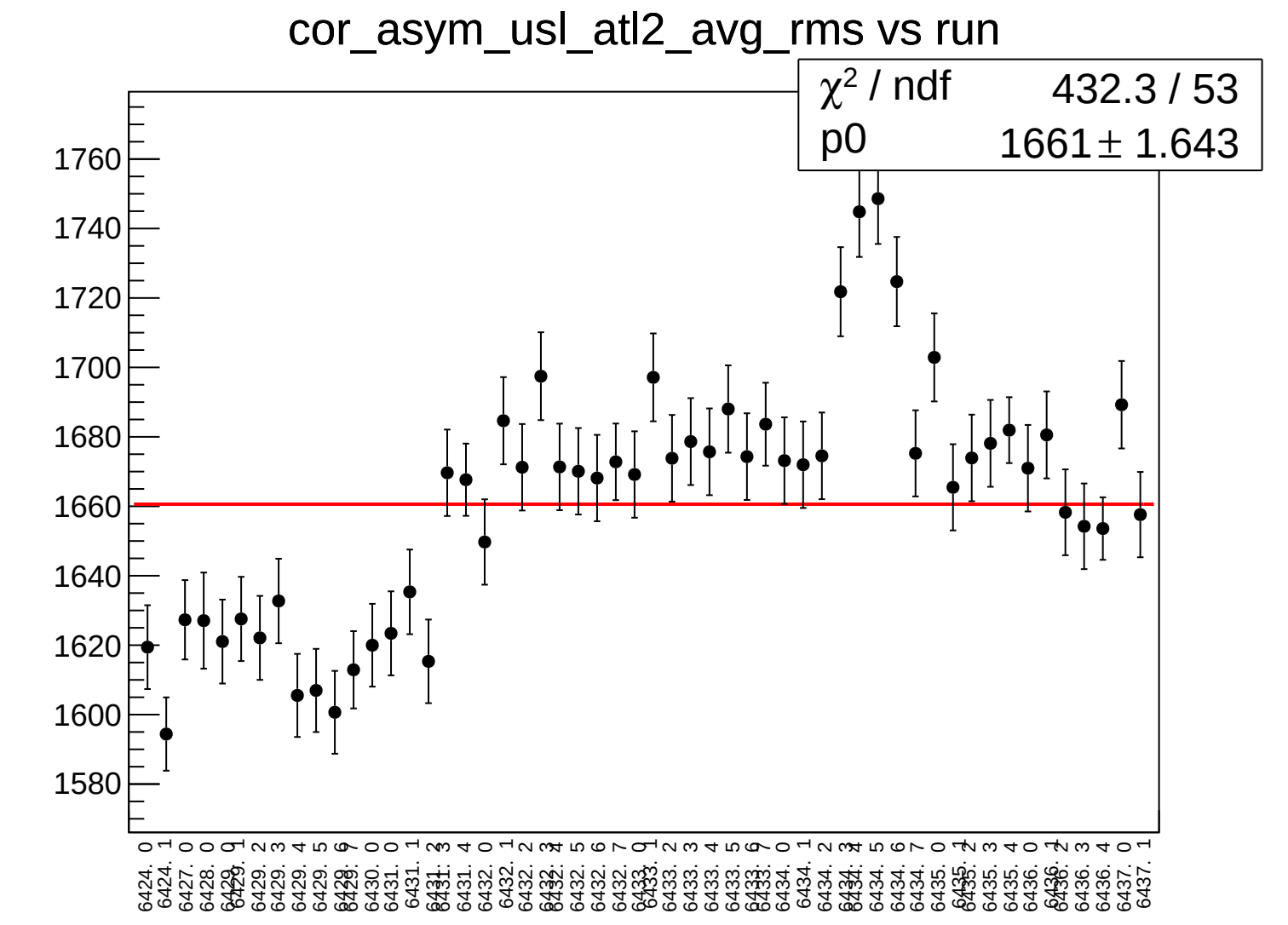

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 57.6 / 53
p0 −2885 ± 6976
pull
Entries 54
Mean 288.8
Std Dev 0

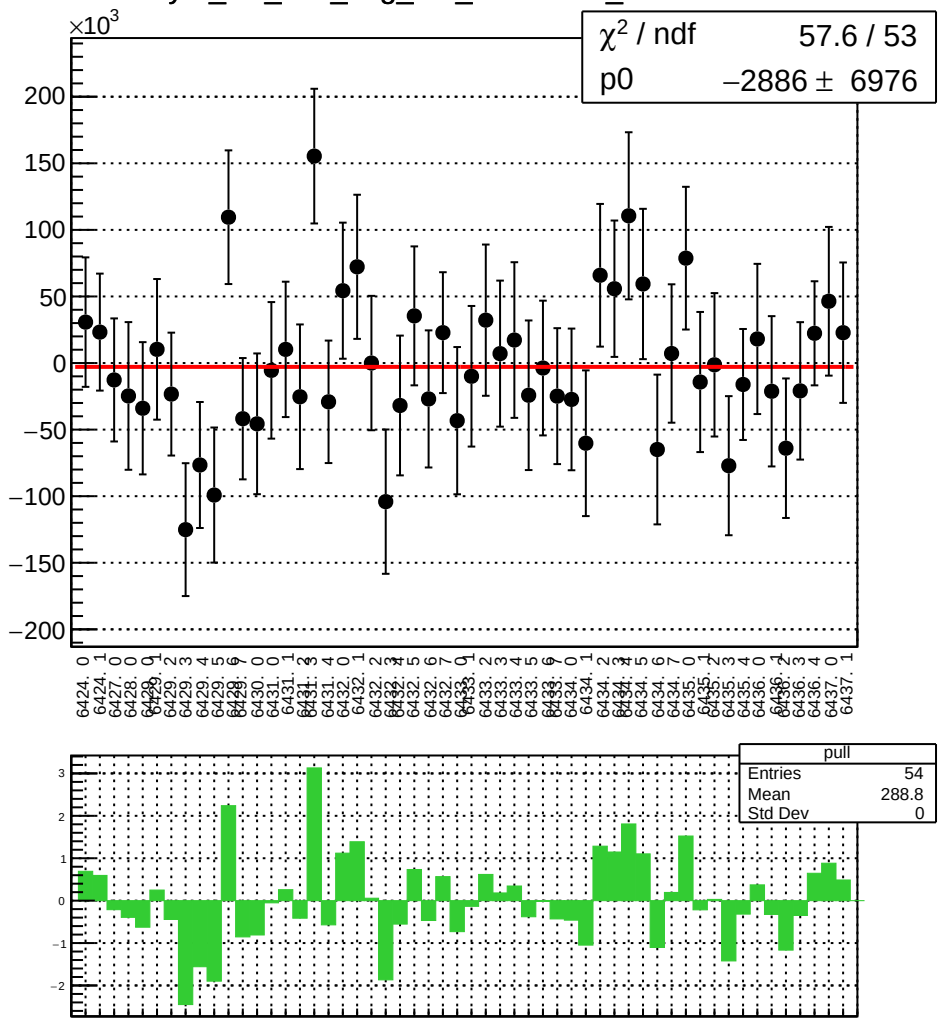

pull1D
Entries 54
Mean 0.007054
Std Dev 1.033

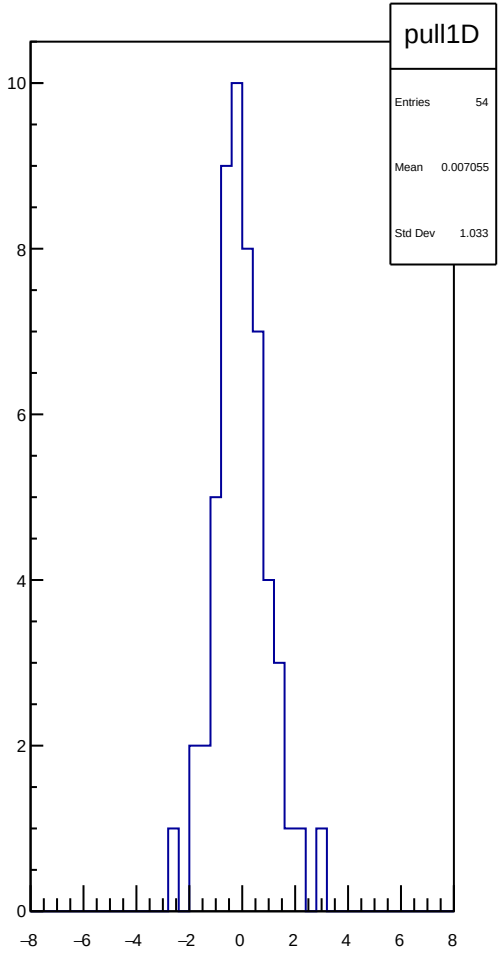

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 2966 / 53
p0 4981 ± 4.933
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

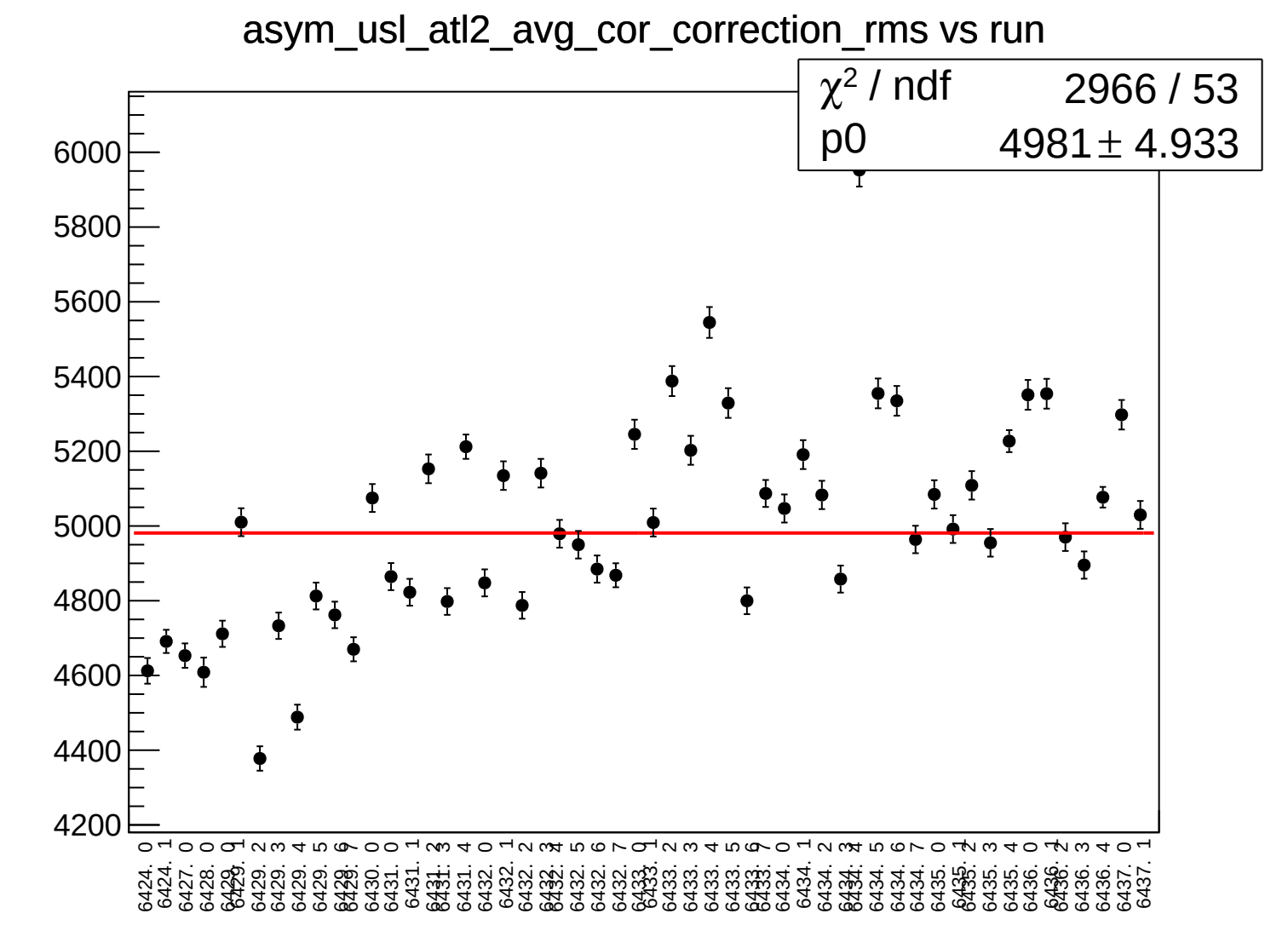

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.6 / 53
p0 −4384 ± 2323
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 411.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

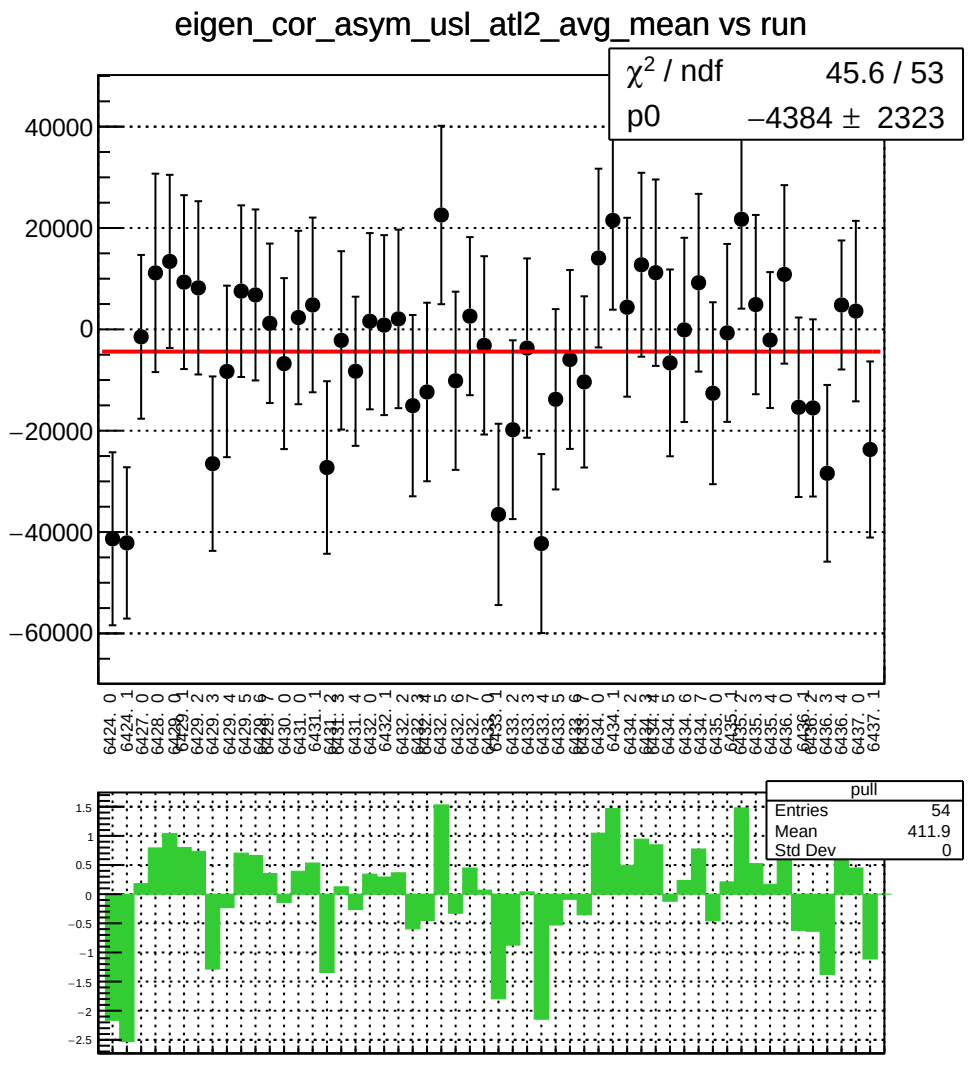

pull1D
Entries 54
Mean 0.003772
Std Dev 0.9189
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

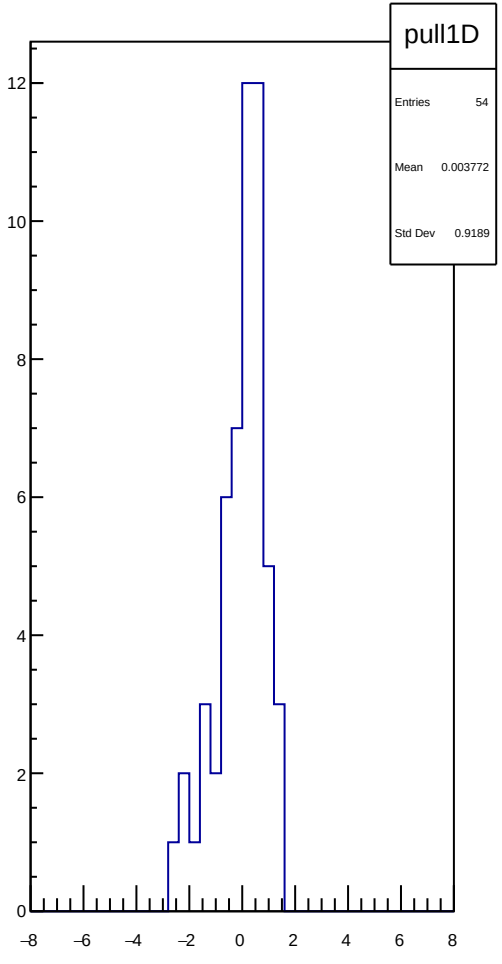

cor_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 432.3 / 53
p0 1661 ± 1.643
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

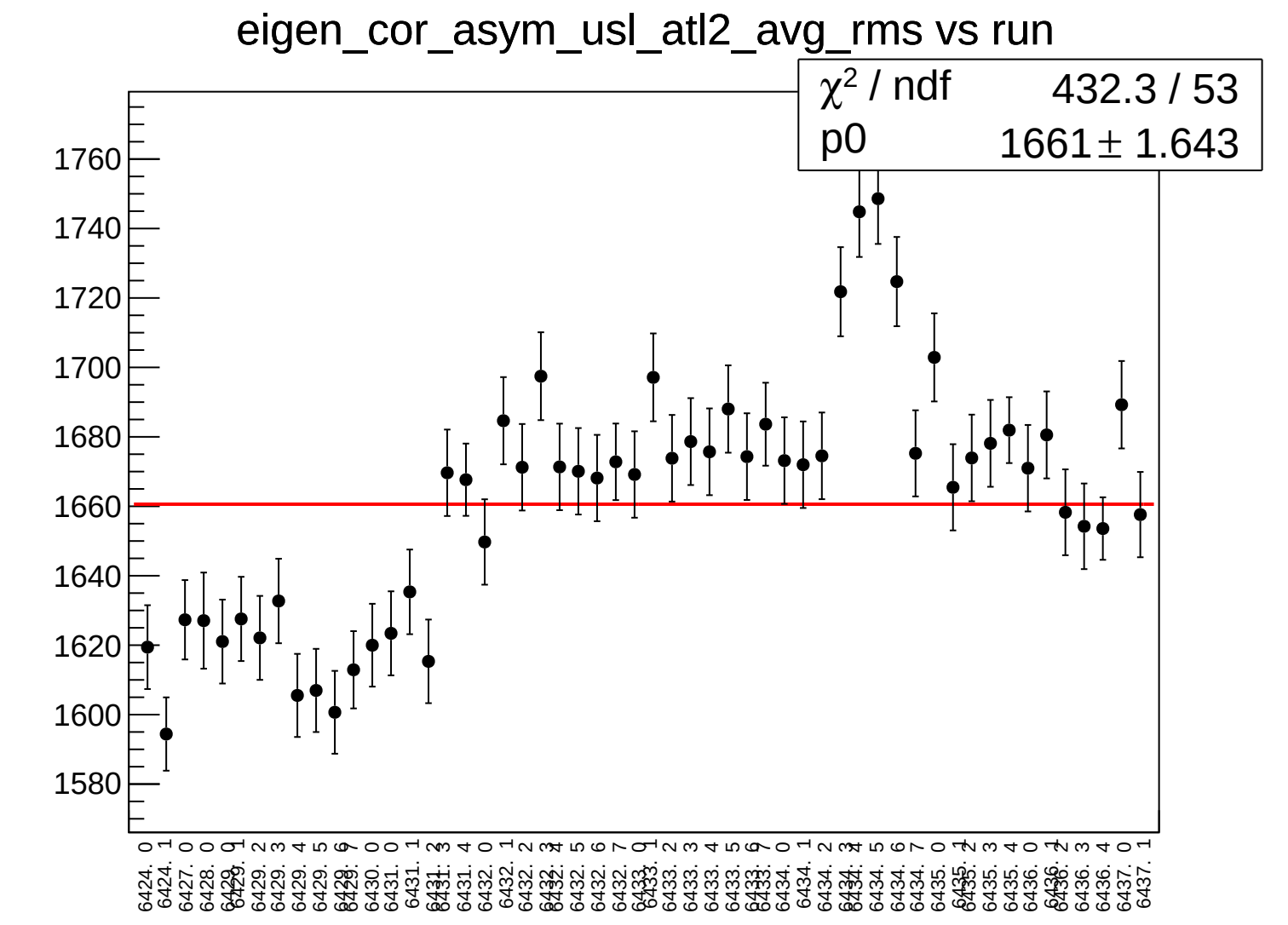

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 57.6 / 53
p0 −2886 ± 6976
pull
Entries 54
Mean 288.8
Std Dev 0

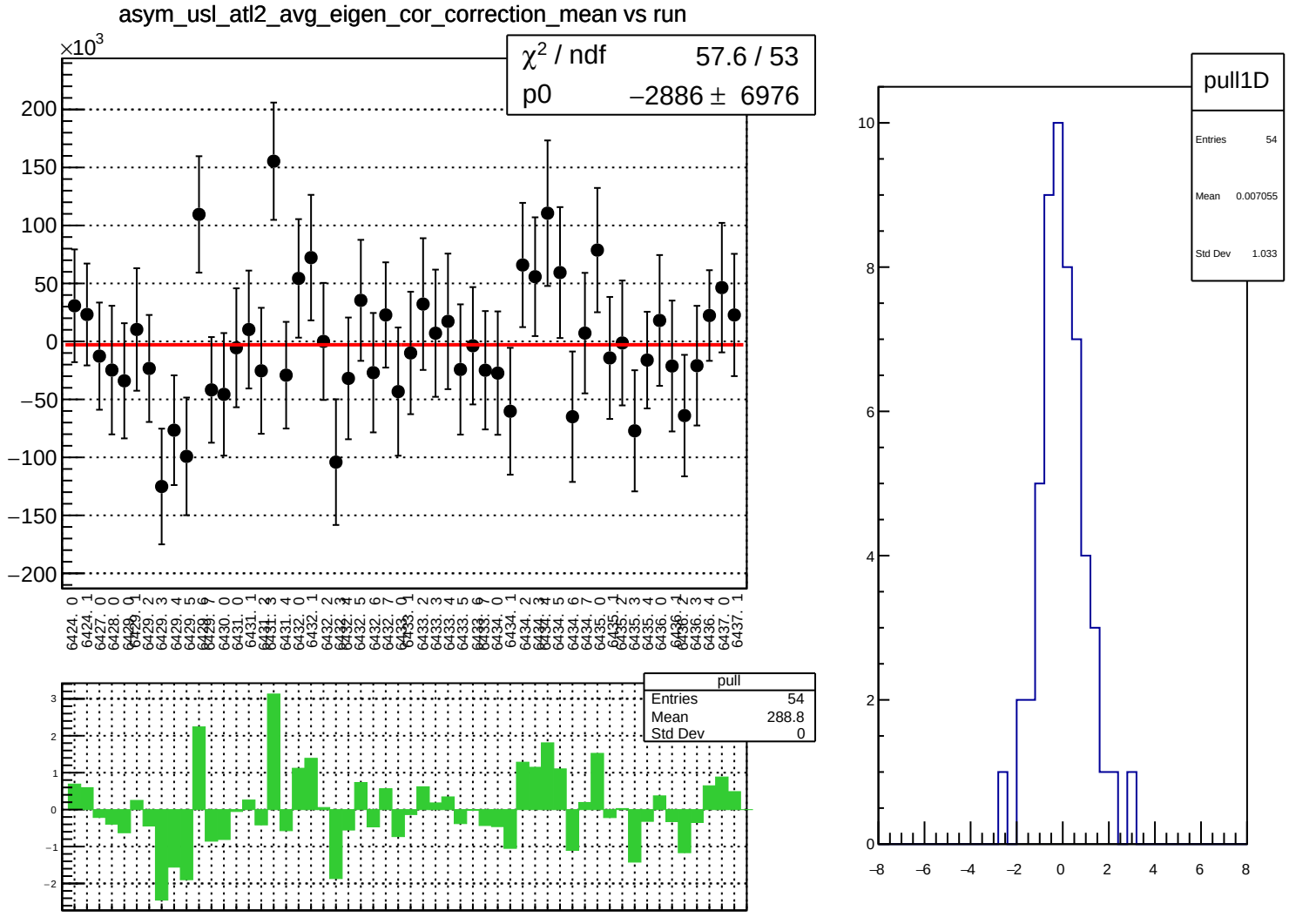

pull1D
Entries 54
Mean 0.007055
Std Dev 1.033

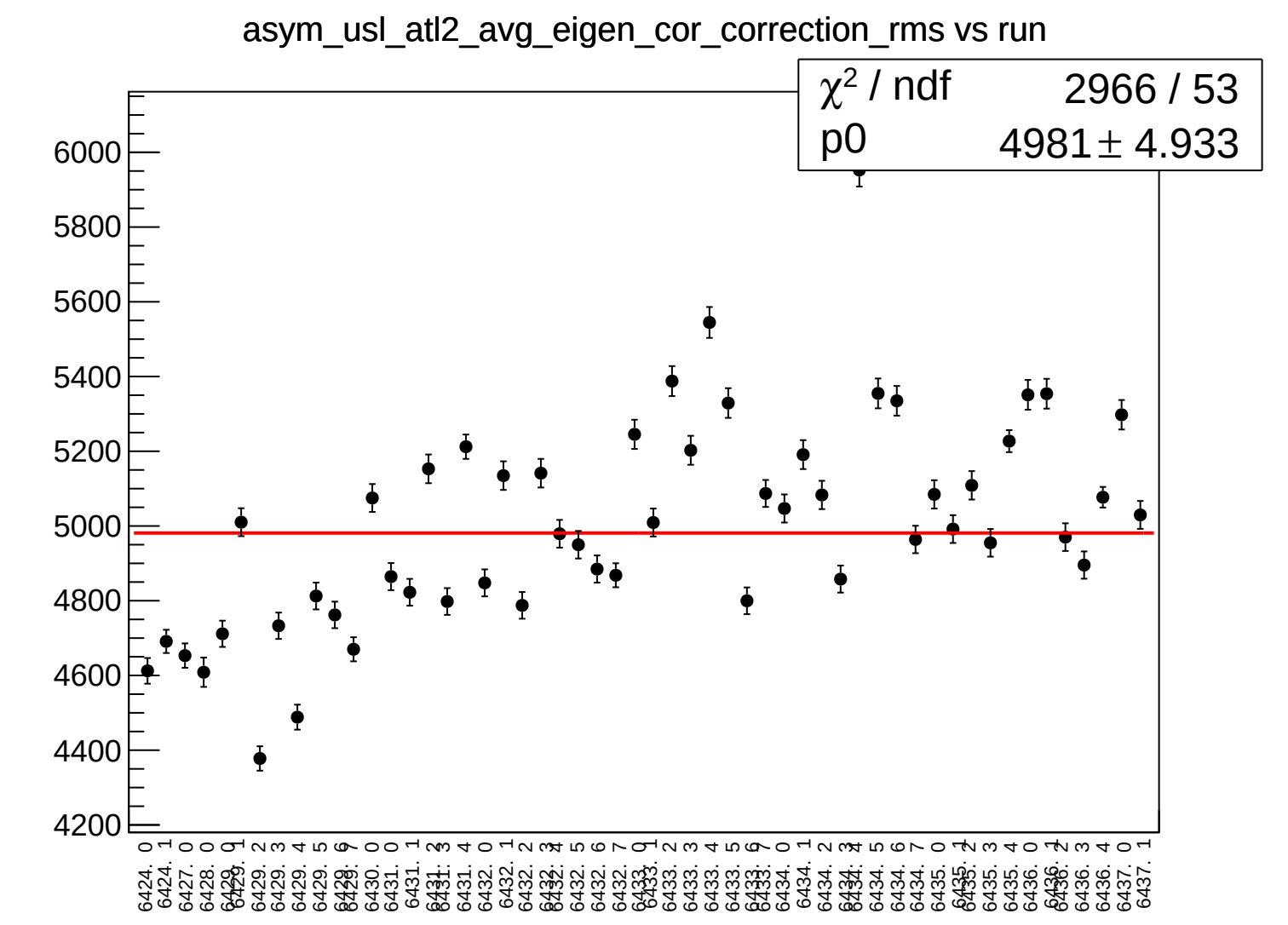

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 2966 / 53
p0 4981 ± 4.933
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

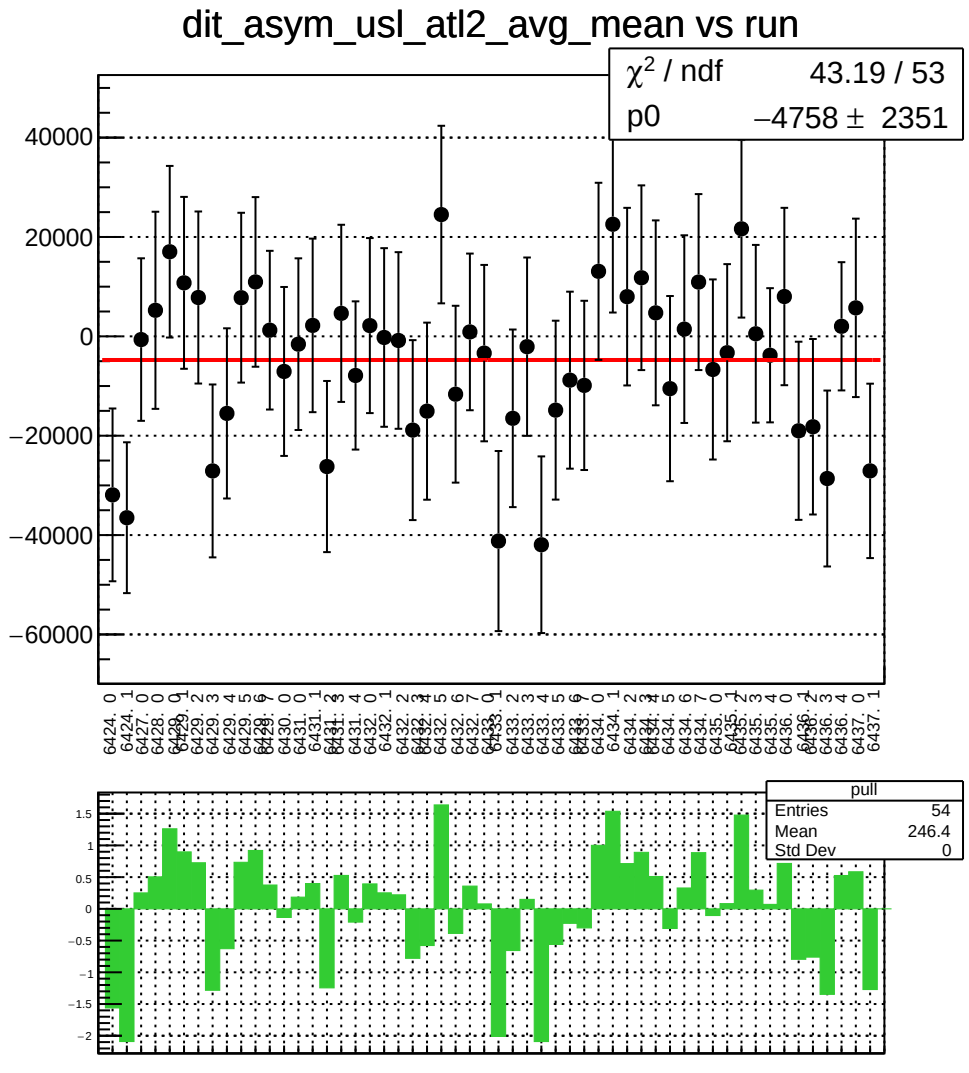

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.6 / 53
p0 −4384 ± 2323
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 411.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

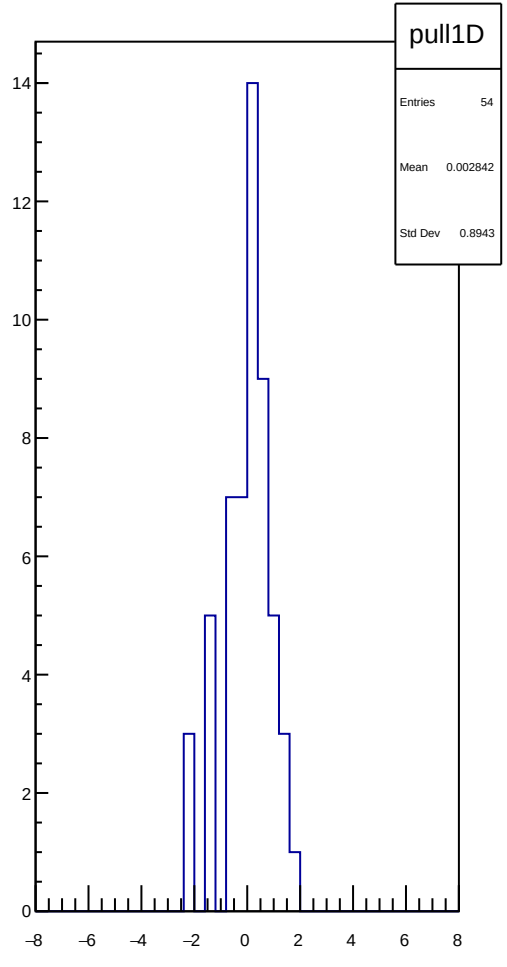

pull1D
Entries 54
Mean 0.003772
Std Dev 0.9189
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

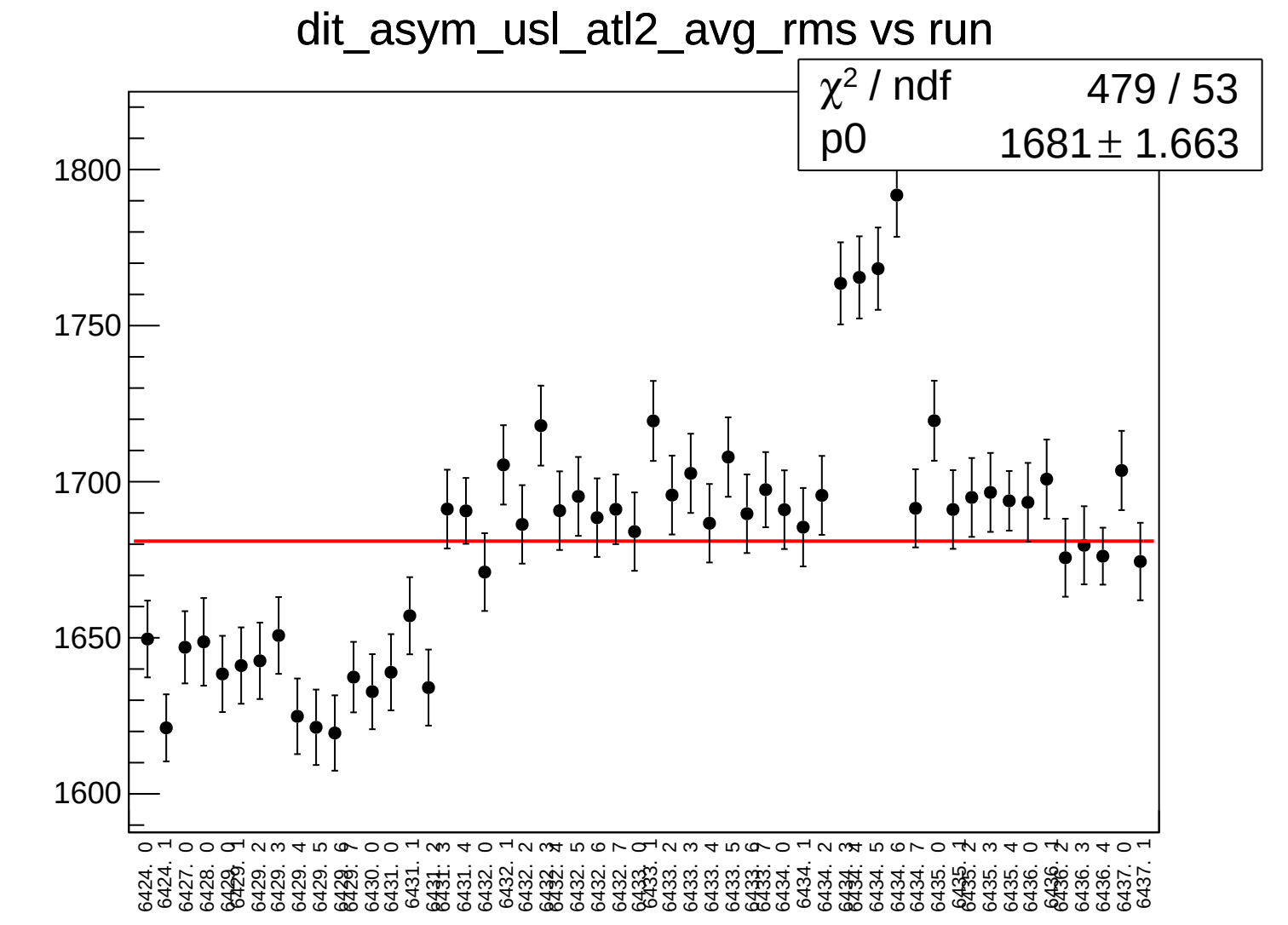

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 432.3 / 53
p0 1661 ± 1.643
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 57.6 / 53
p0 −2886 ± 6976
pull
Entries 54
Mean 288.8
Std Dev 0
pull1D
Entries 54
Mean 0.007055
Std Dev 1.033


asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2966 / 53
p0 4981 ± 4.933
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.19 / 53
p0 −4758 ± 2351
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 246.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.002842
Std Dev 0.8943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 479 / 53
p0 1681 ± 1.663
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 0
6435. 3
6435. 4
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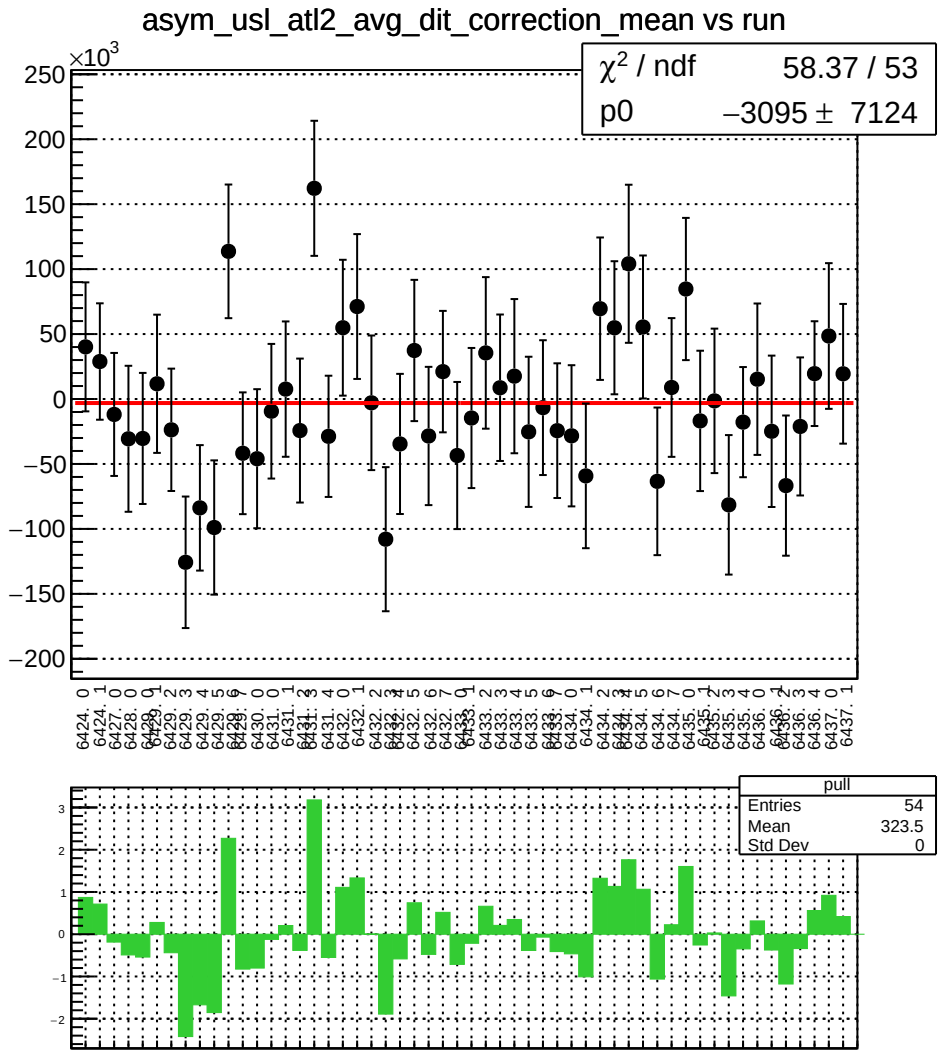
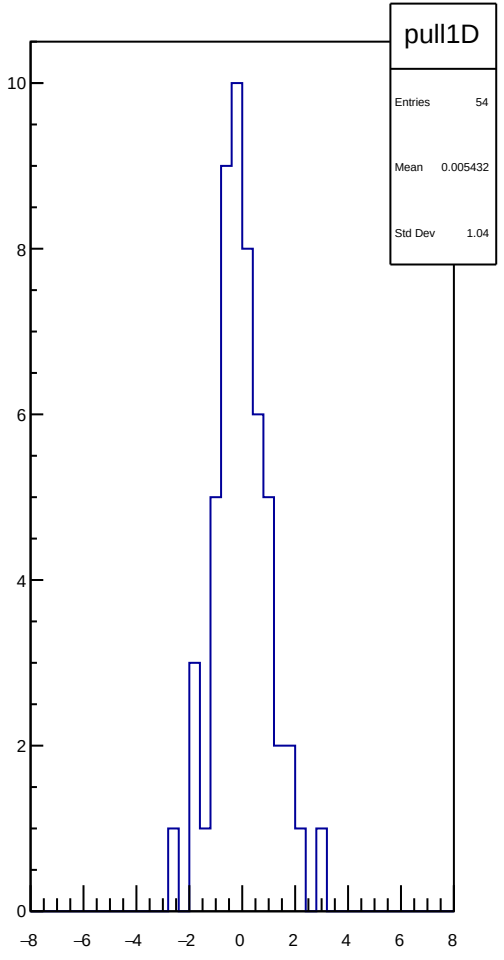
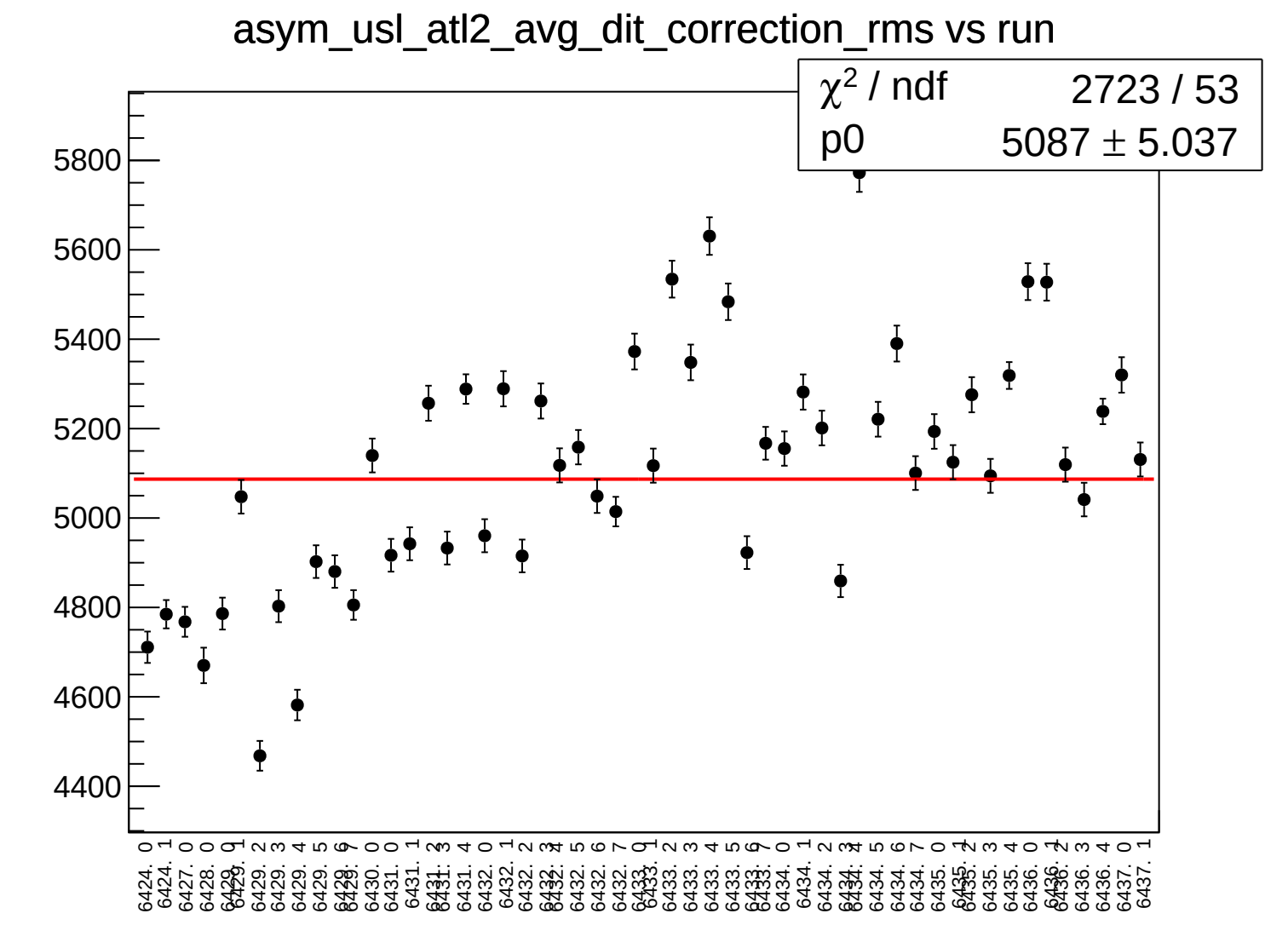
6436. 4
6437. 0
6437. 1


asym_usl_atl2_avg_dit_correction_mean vs run
χ² / ndf 58.37 / 53
p0 −3095 ± 7124
pull
Entries 54
Mean 323.5
Std Dev 0


pull1D
Entries 54
Mean 0.005432
Std Dev 1.04


asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 2723 / 53
p0 5087 ± 5.037
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
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6433. 5
6433. 6
6433. 7
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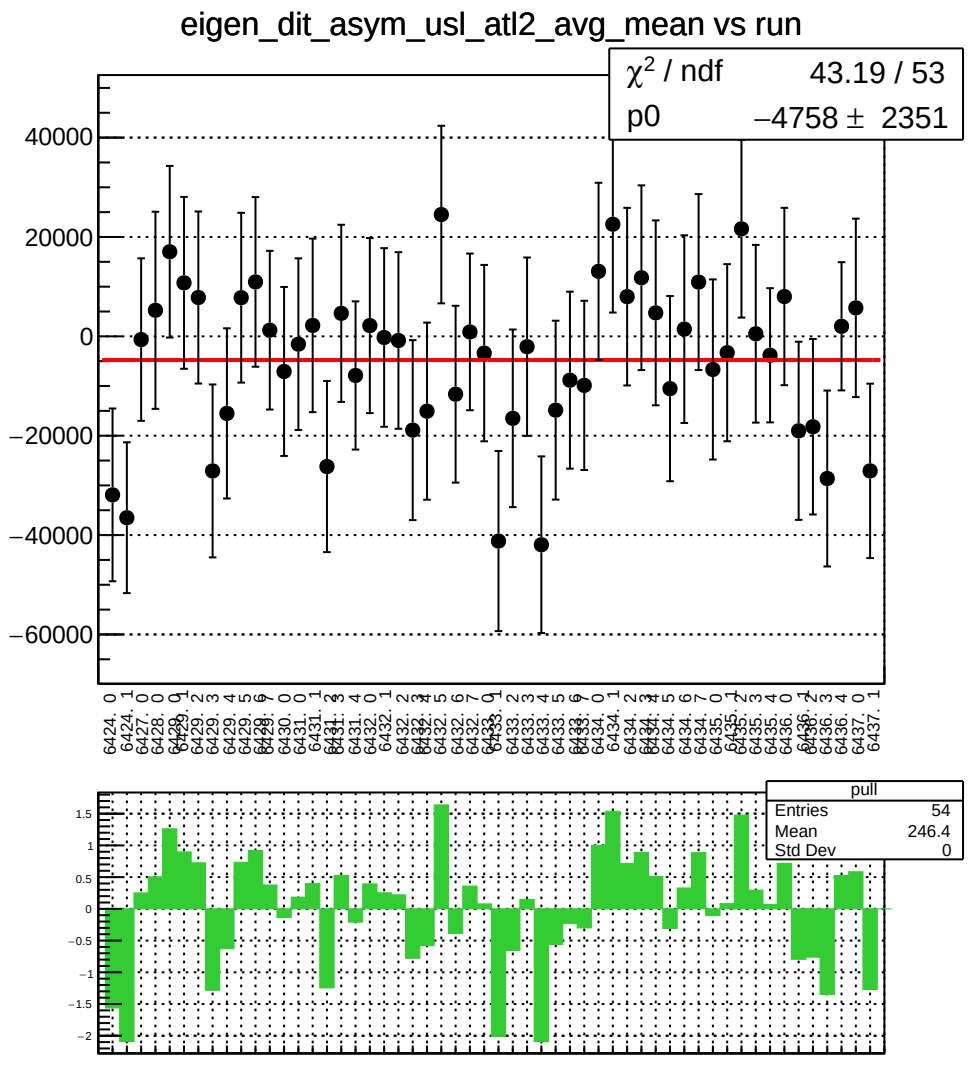
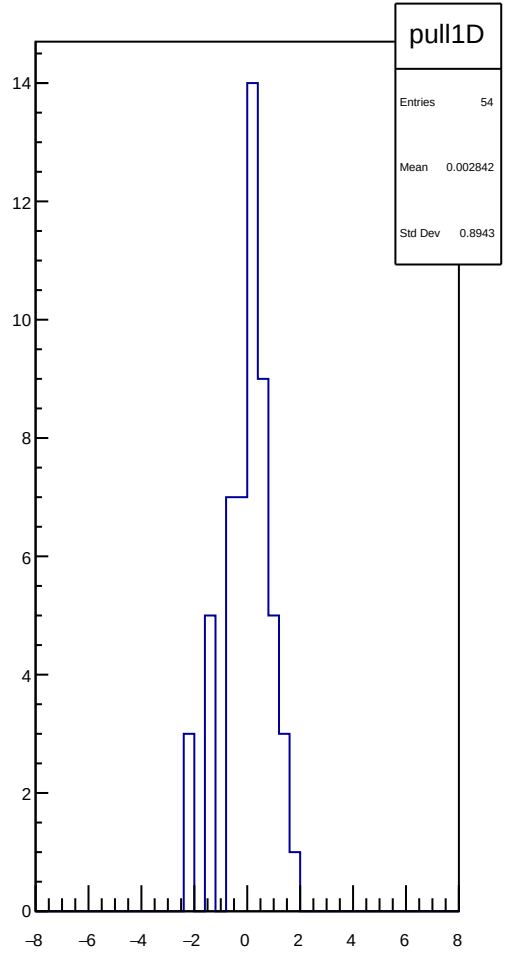
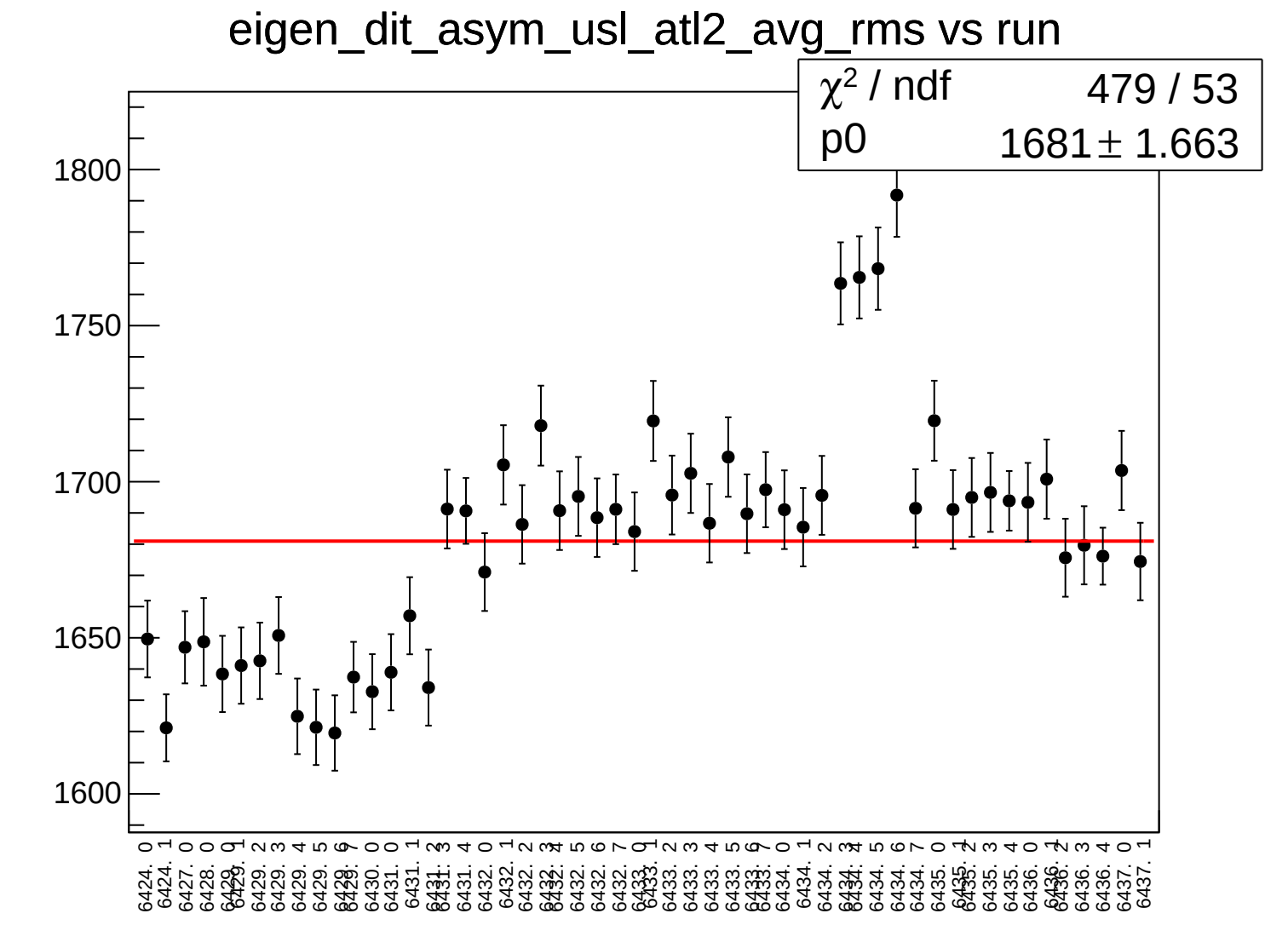
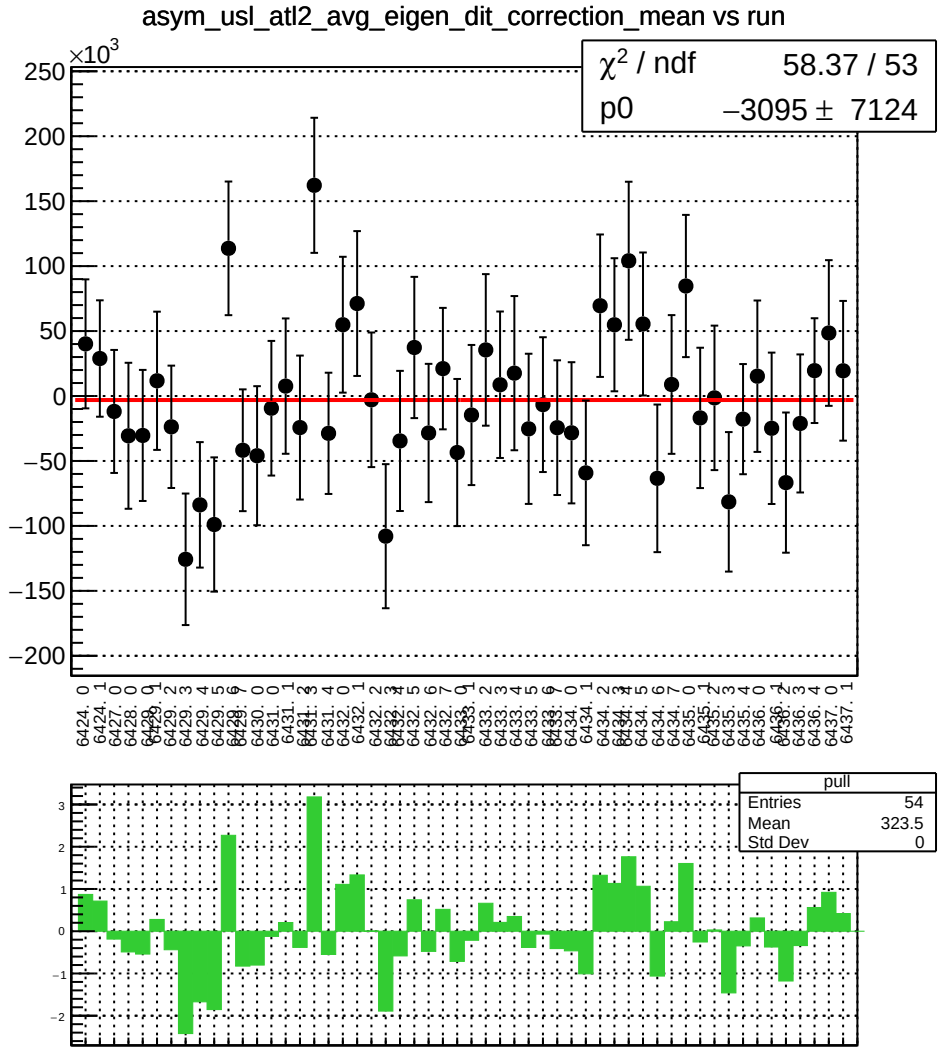
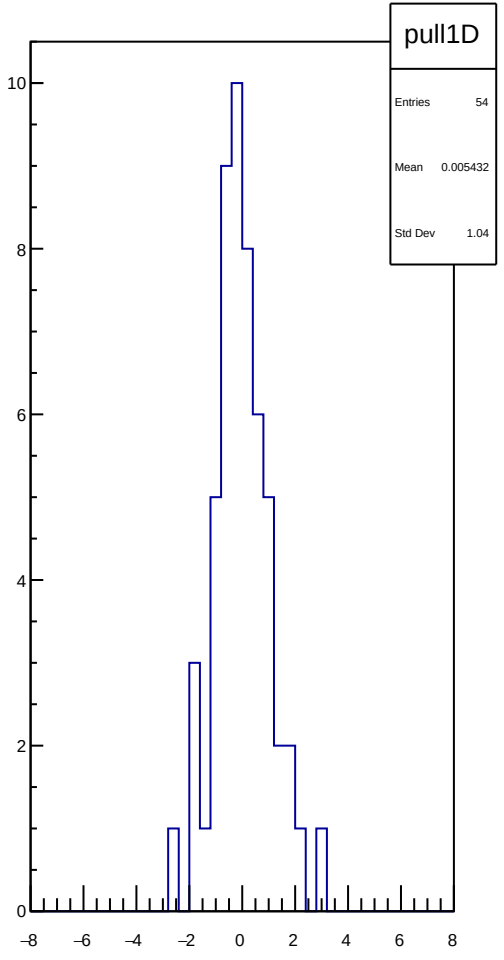
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

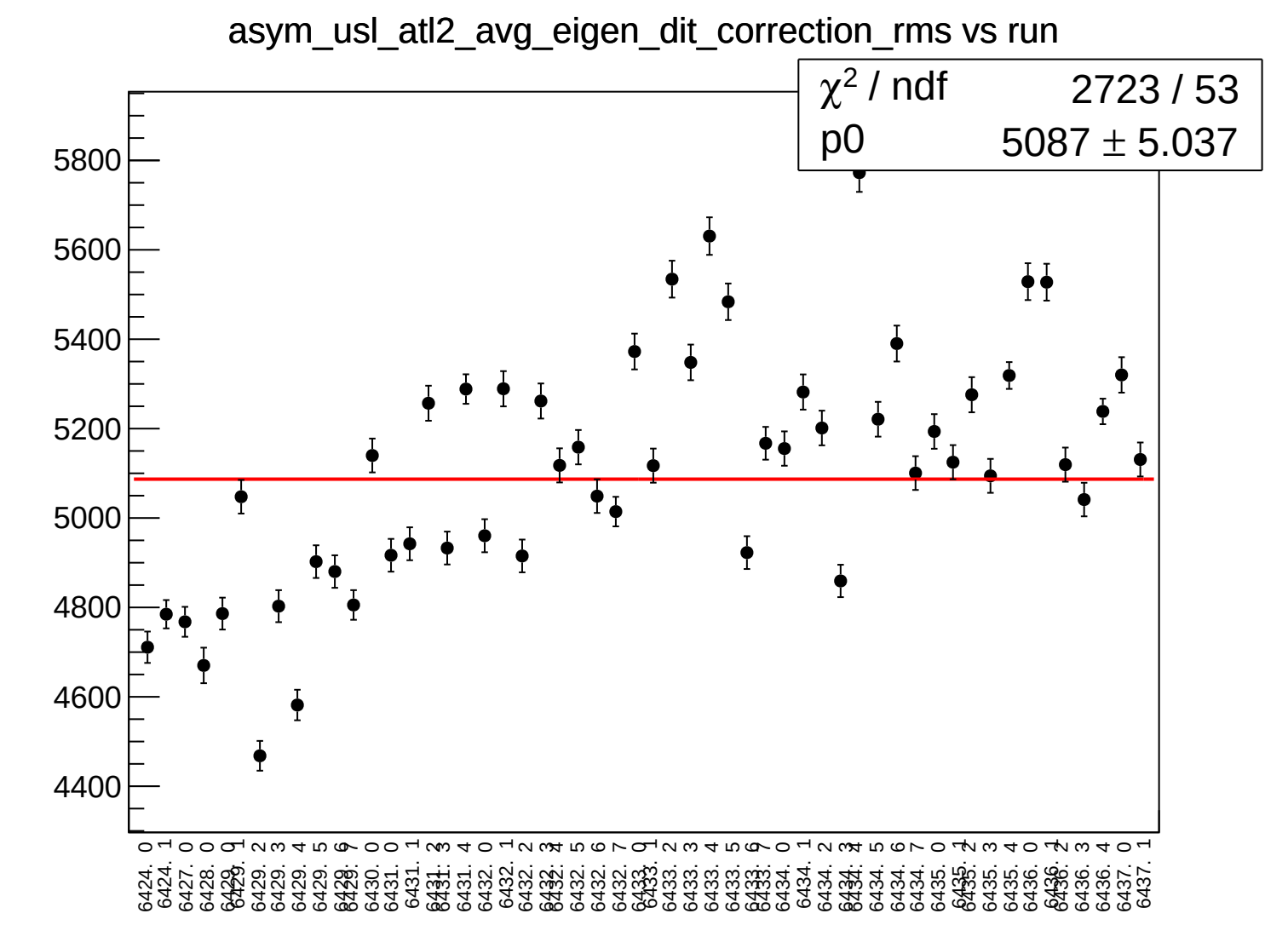

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 43.19 / 53
p0 −4758 ± 2351
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 246.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

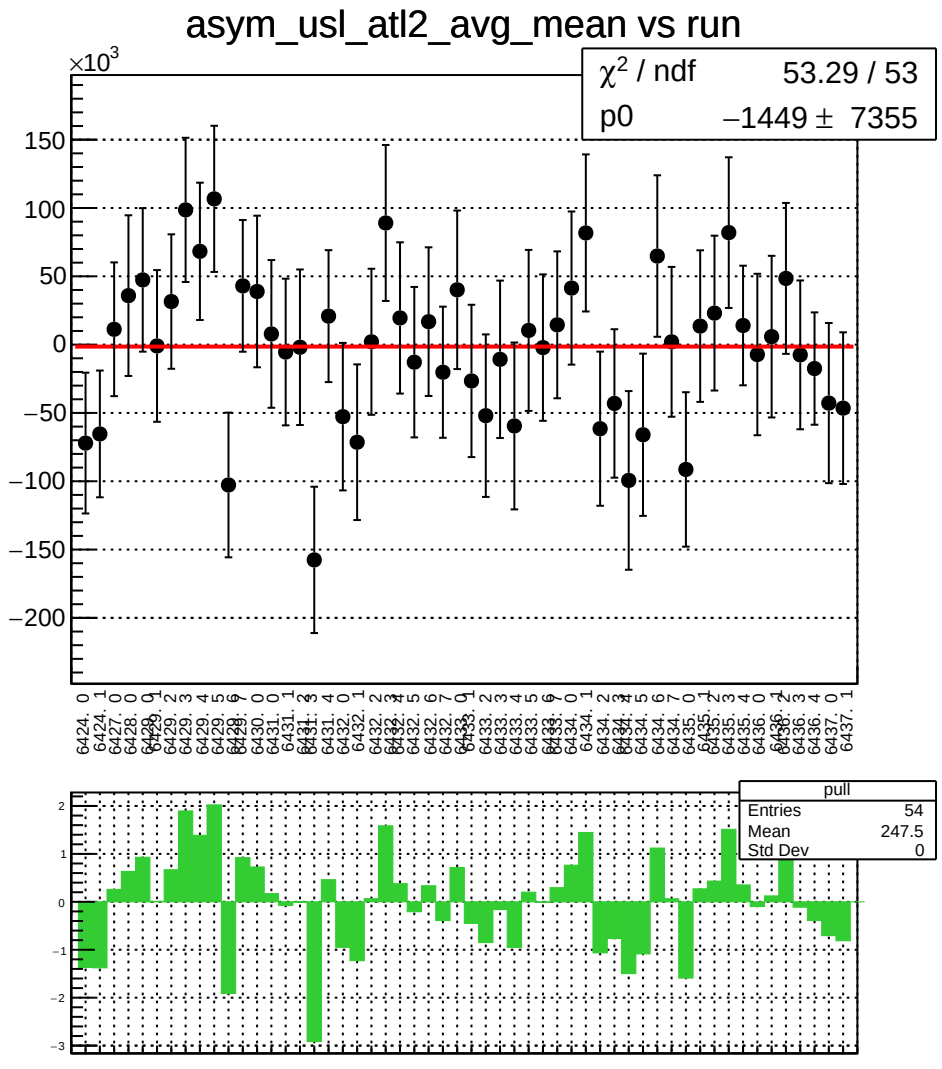

pull1D
Entries 54
Mean 0.002842
Std Dev 0.8943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

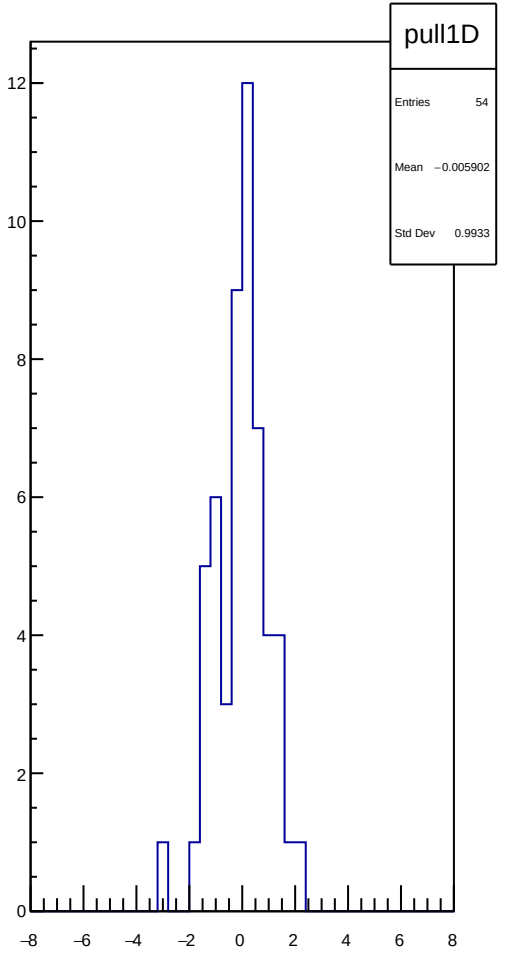

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 479 / 53
p0 1681 ± 1.663
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

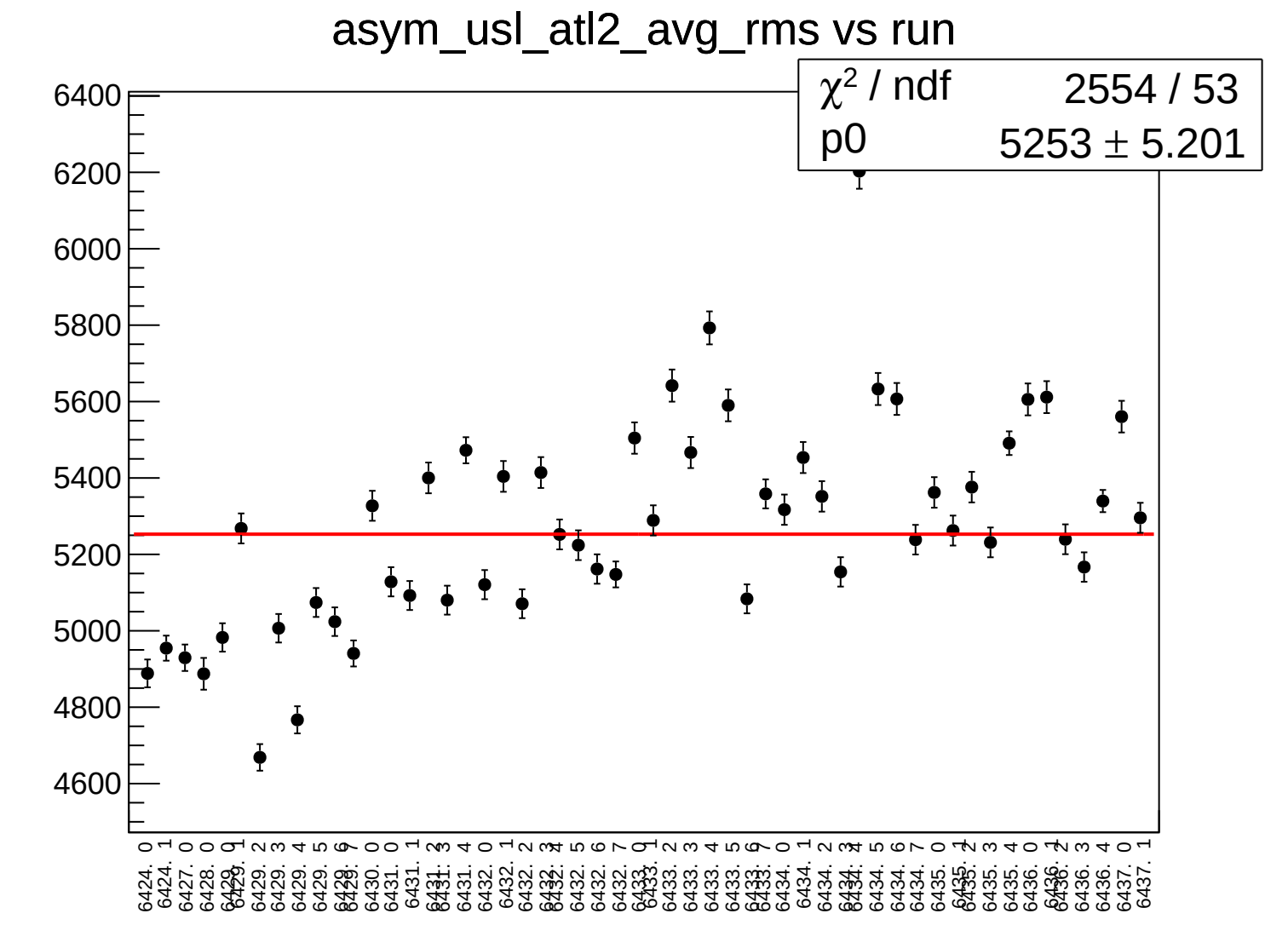

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.37 / 53
p0 −3095 ± 7124
pull
Entries 54
Mean 323.5
Std Dev 0

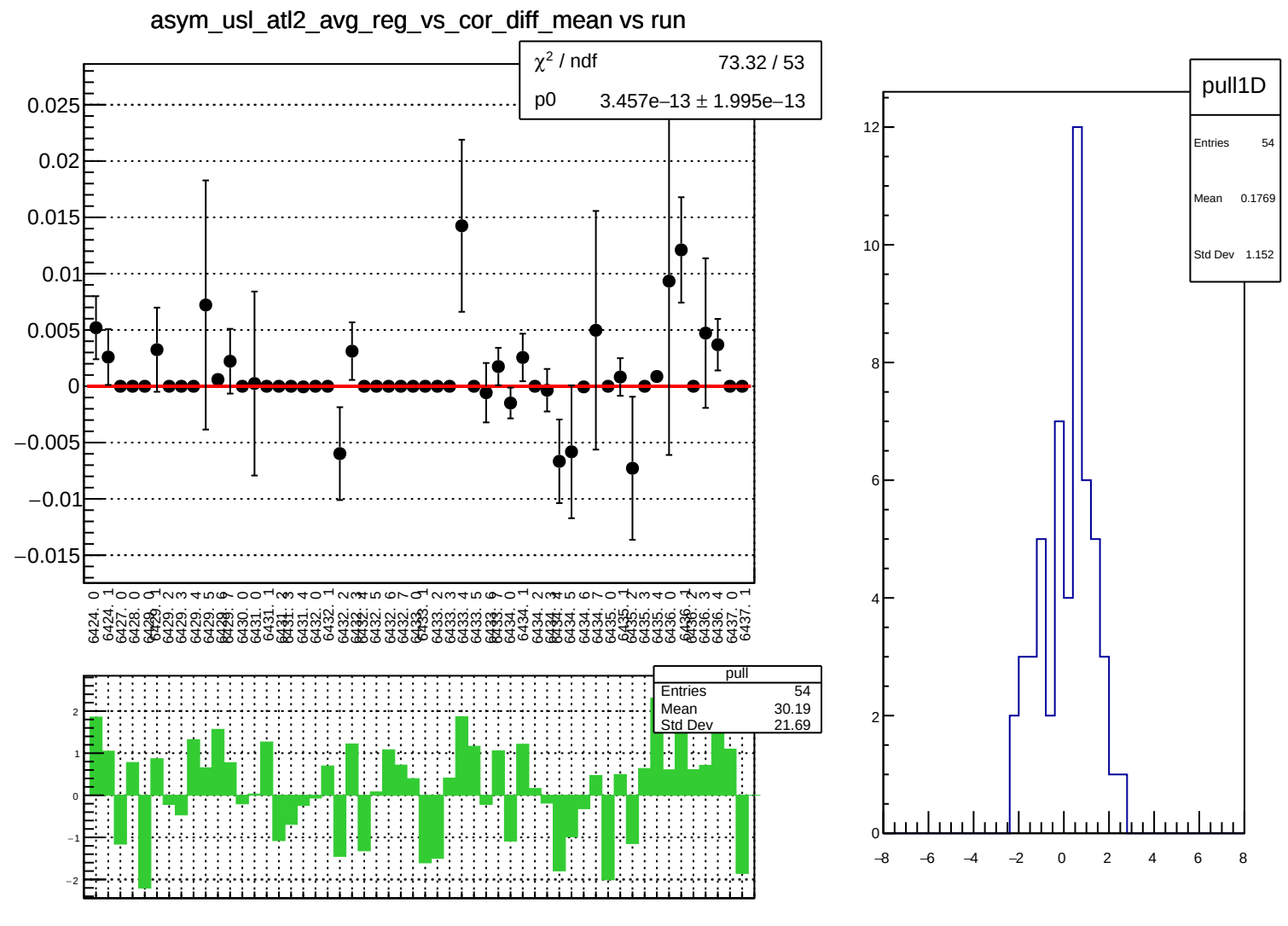

pull1D
Entries 54
Mean 0.005432
Std Dev 1.04

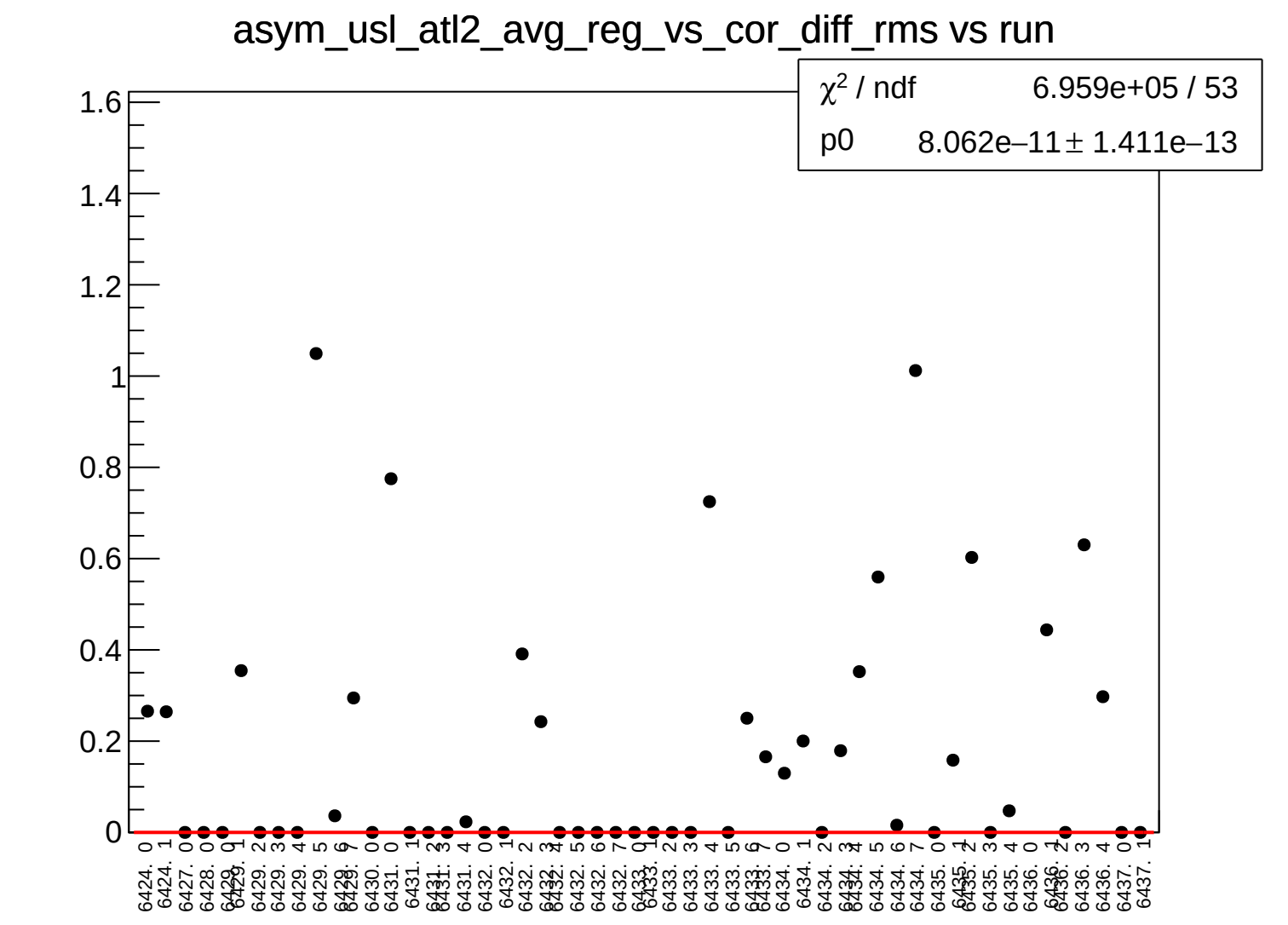

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2723 / 53
p0 5087 ± 5.037
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

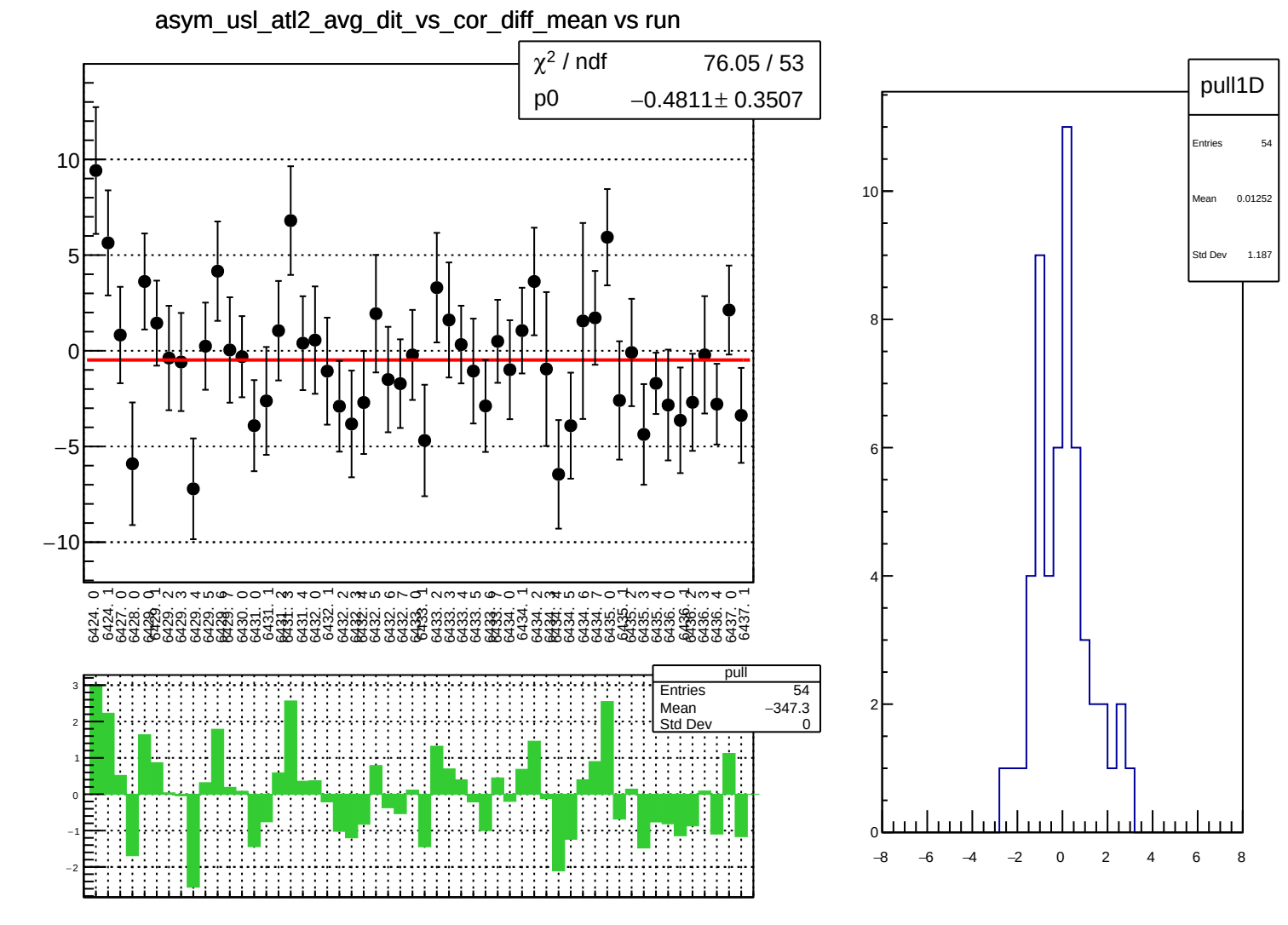

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 53.29 / 53
p0 −1449 ± 7355
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 247.5
Std Dev 0
2
1
0
−1
−2
−3

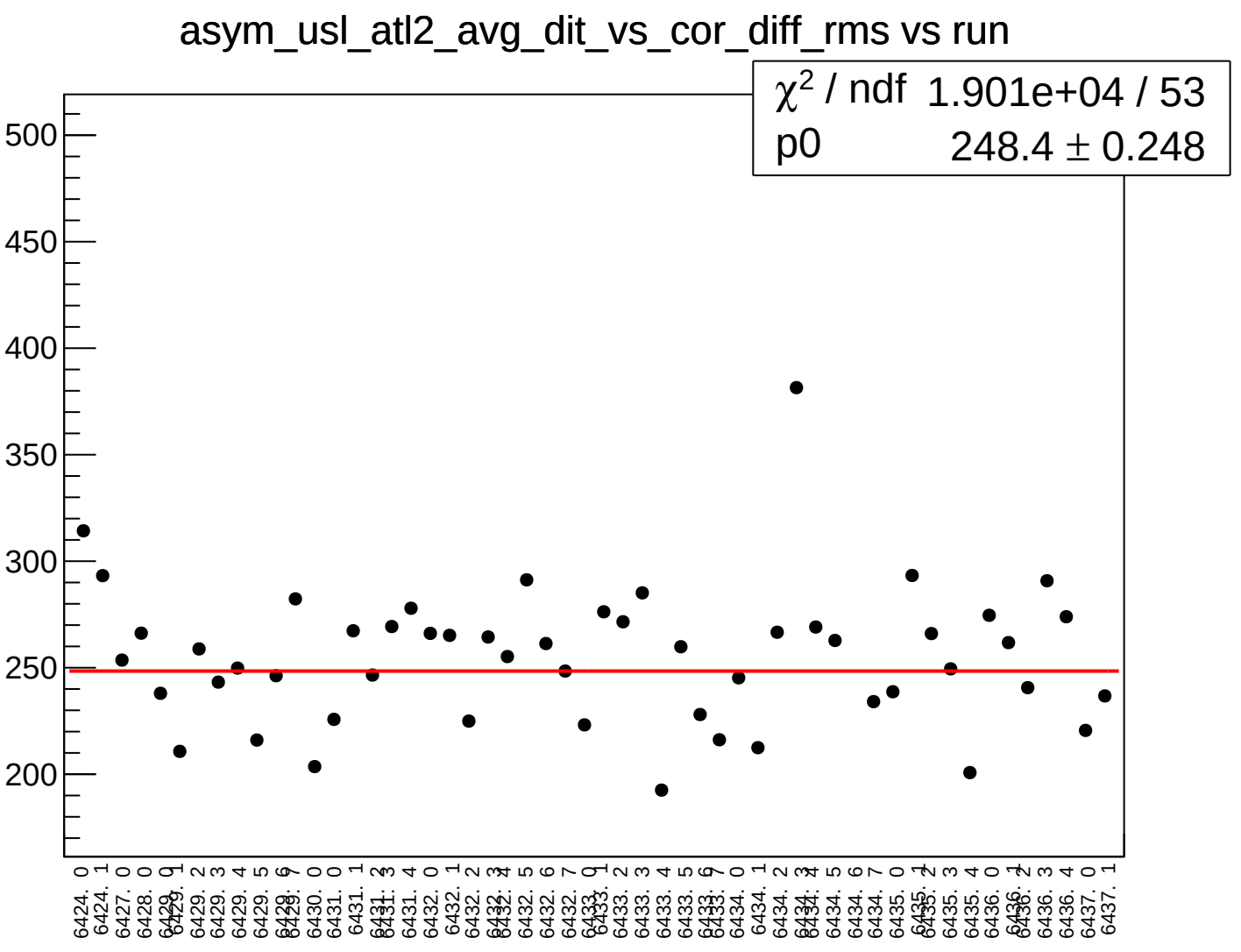

pull1D
Entries 54
Mean −0.005902
Std Dev 0.9933
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

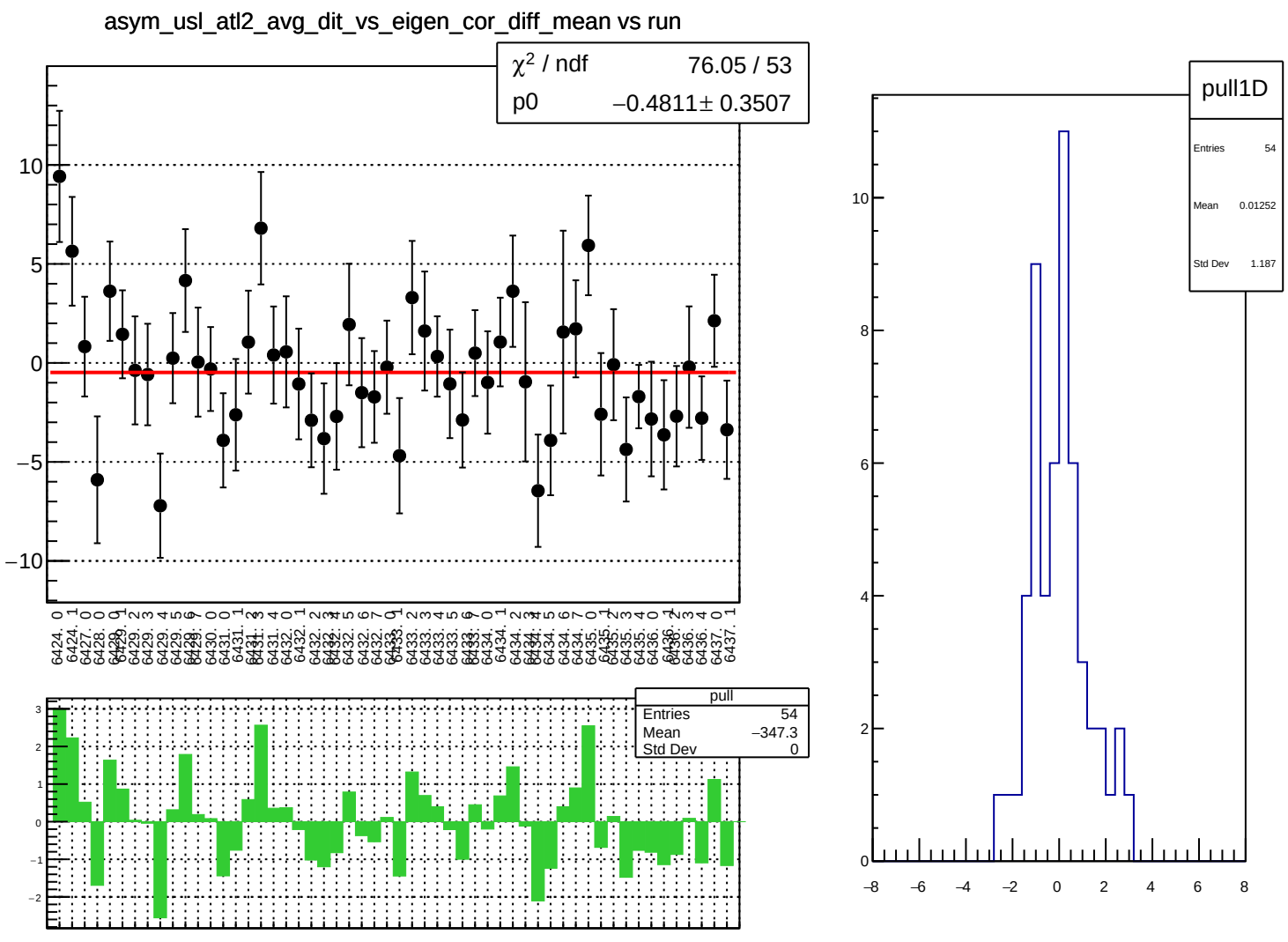

asym_usl_atl2_avg_rms vs run
χ² / ndf 2554 / 53
p0 5253 ± 5.201
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

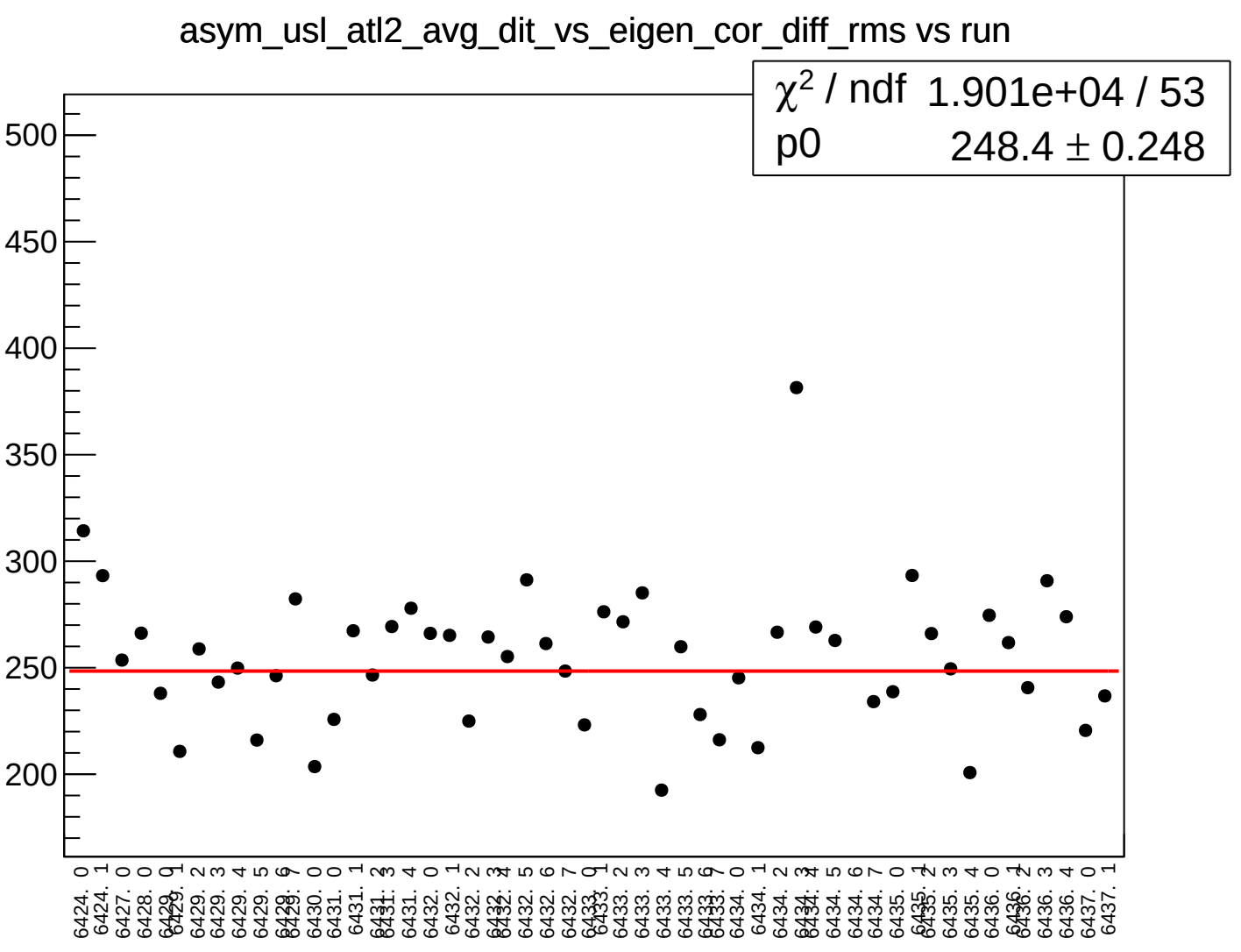

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.32 / 53
p0 3.457e−13 ± 1.995e−13
pull
Entries 54
Mean 30.19
Std Dev 21.69
pull1D
Entries 54
Mean 0.1769
Std Dev 1.152

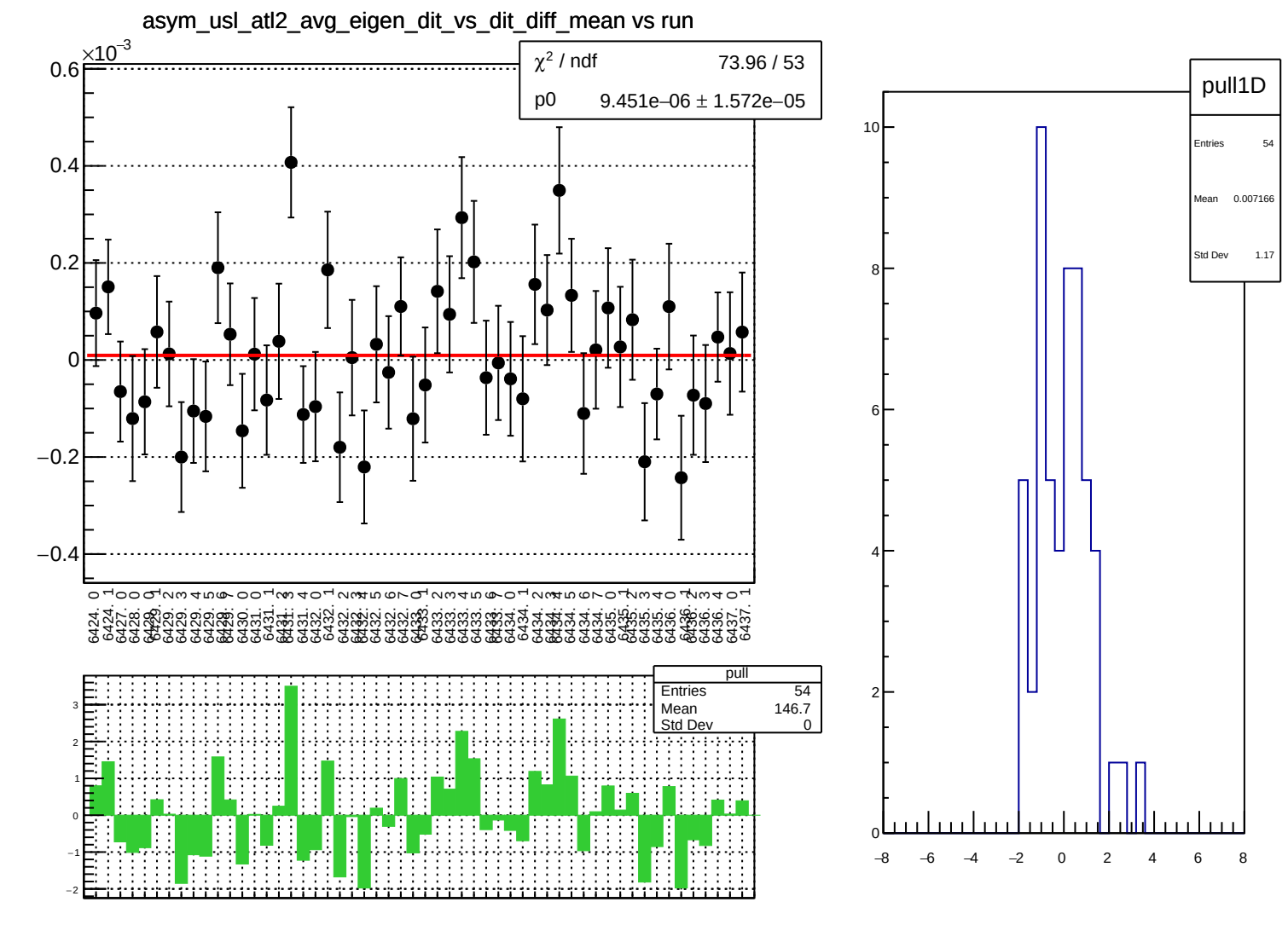

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.959e+05 / 53
p0 8.062e−11 ± 1.411e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

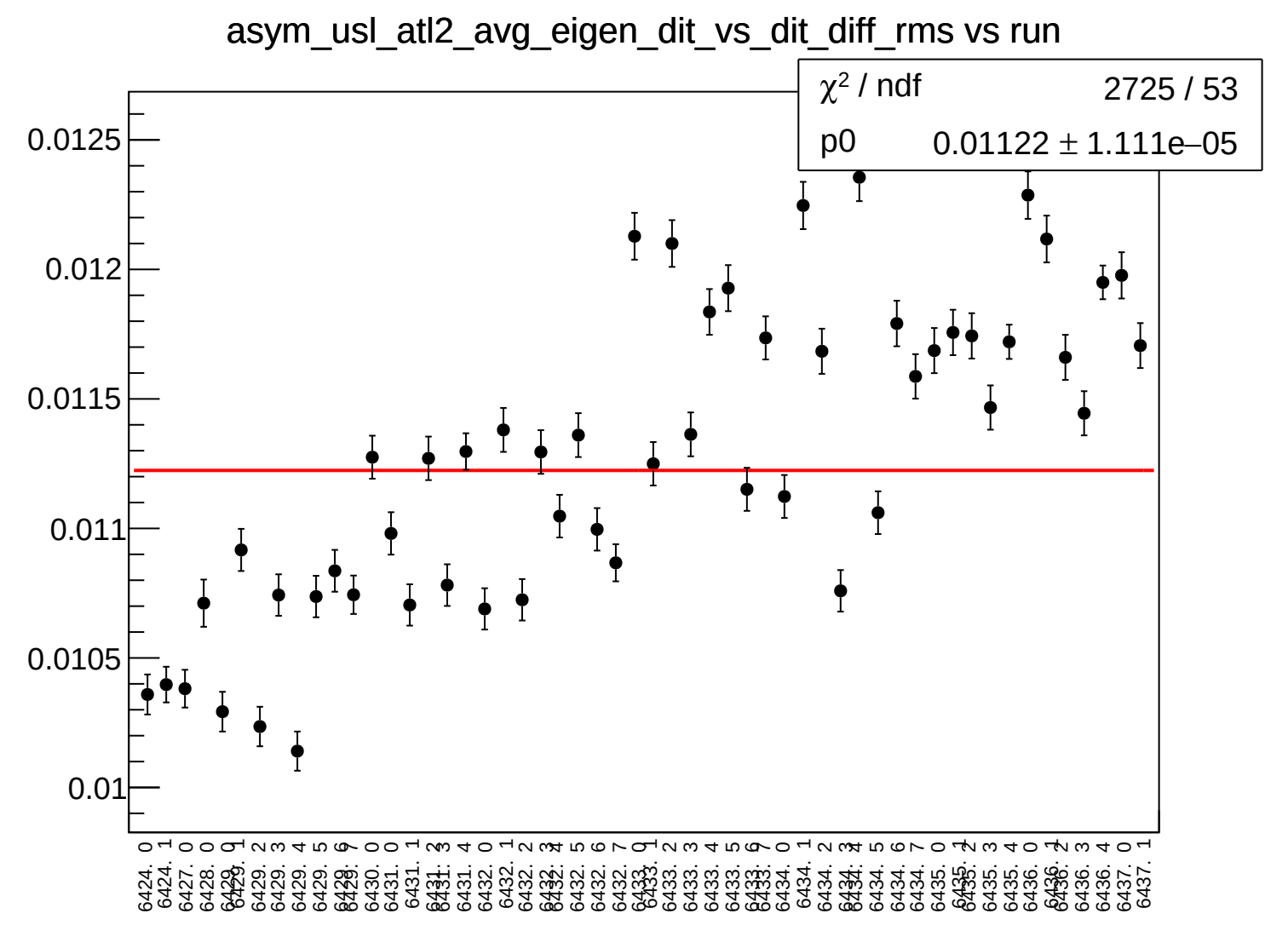

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.05 / 53
p0 −0.4811± 0.3507
pull
Entries 54
Mean −347.3
Std Dev 0
pull1D
Entries 54
Mean 0.01252
Std Dev 1.187

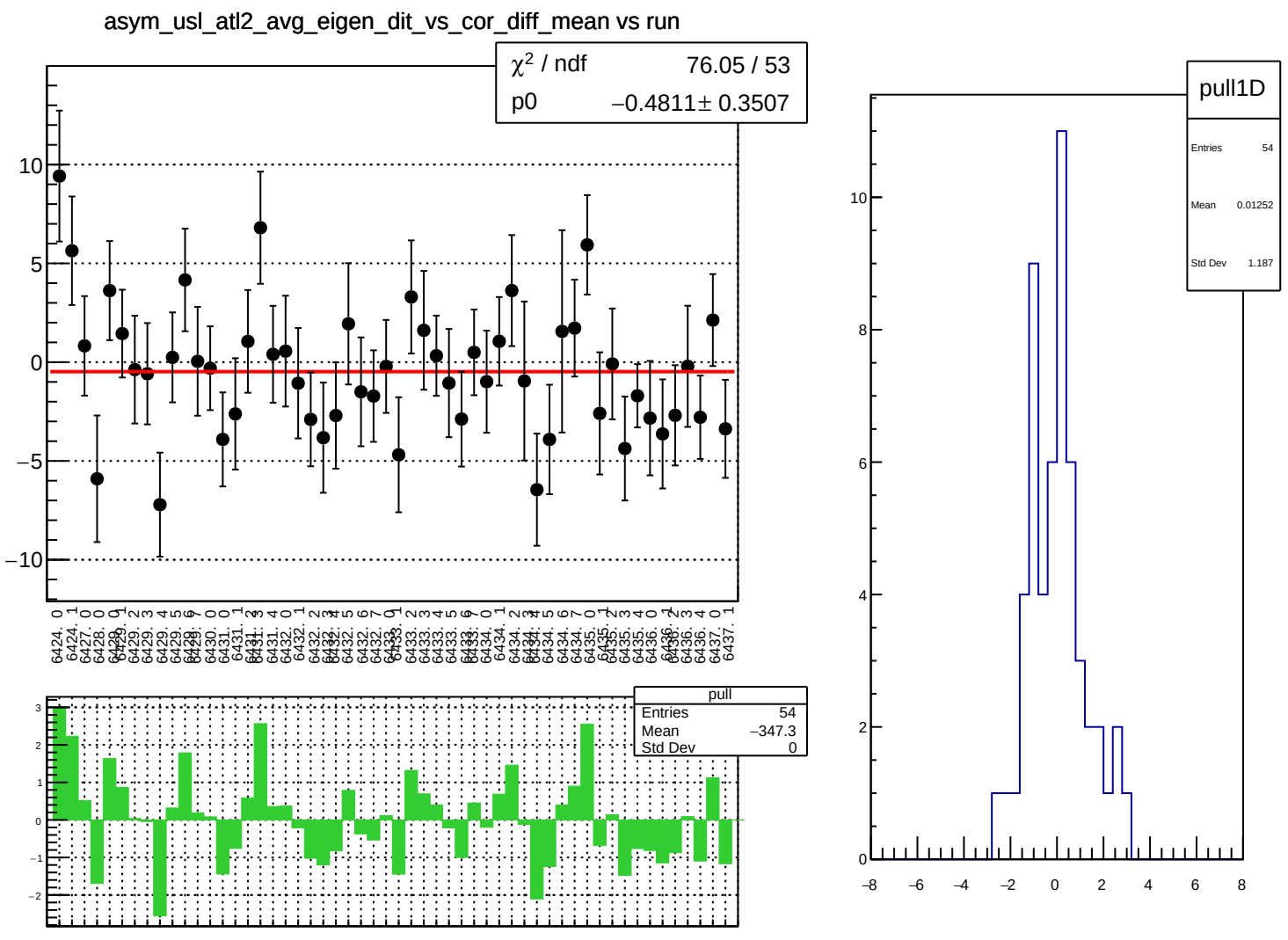

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.901e+04 / 53
p0 248.4 ± 0.248
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

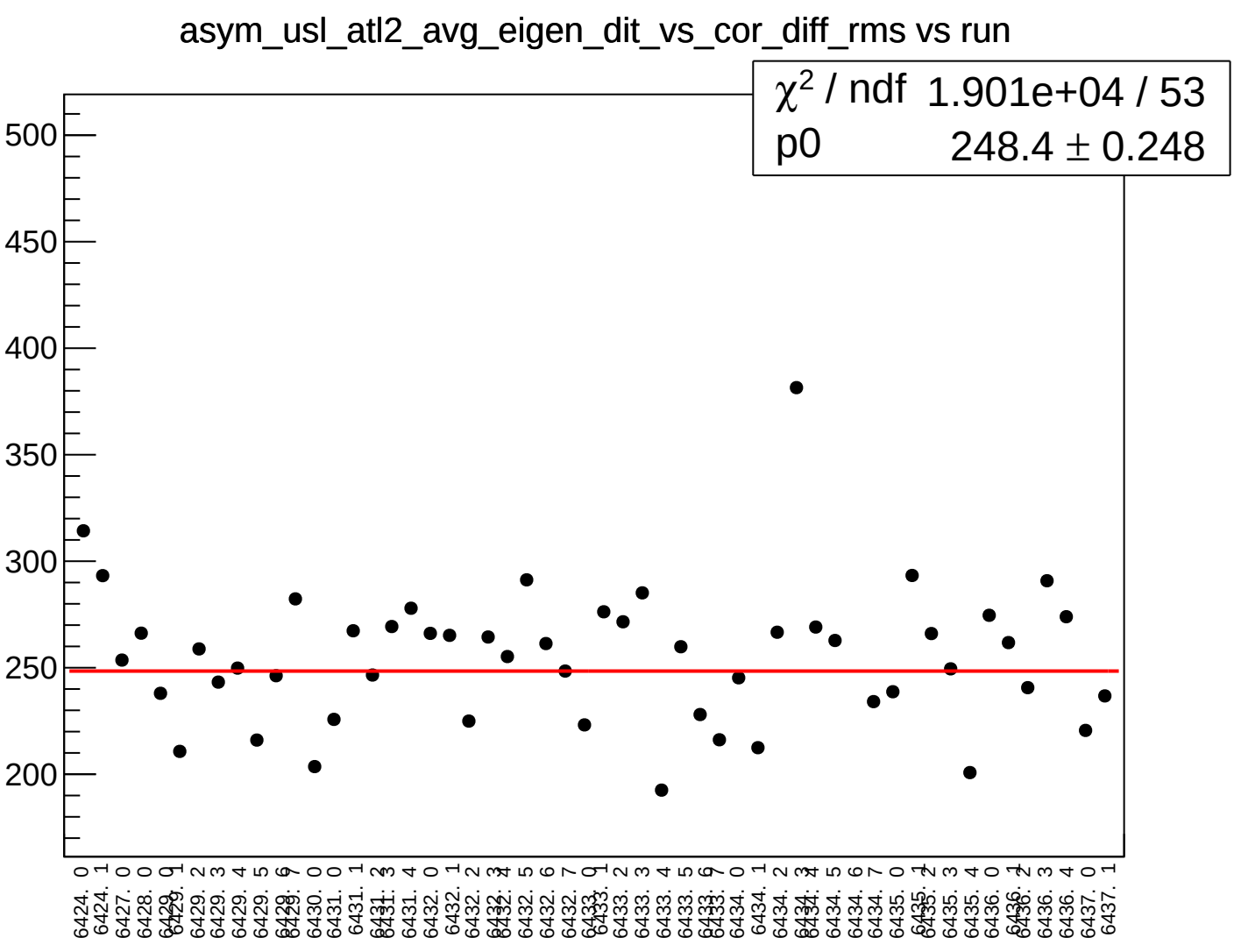

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.05 / 53
p0 −0.4811± 0.3507
pull
Entries 54
Mean −347.3
Std Dev 0
pull1D
Entries 54
Mean 0.01252
Std Dev 1.187

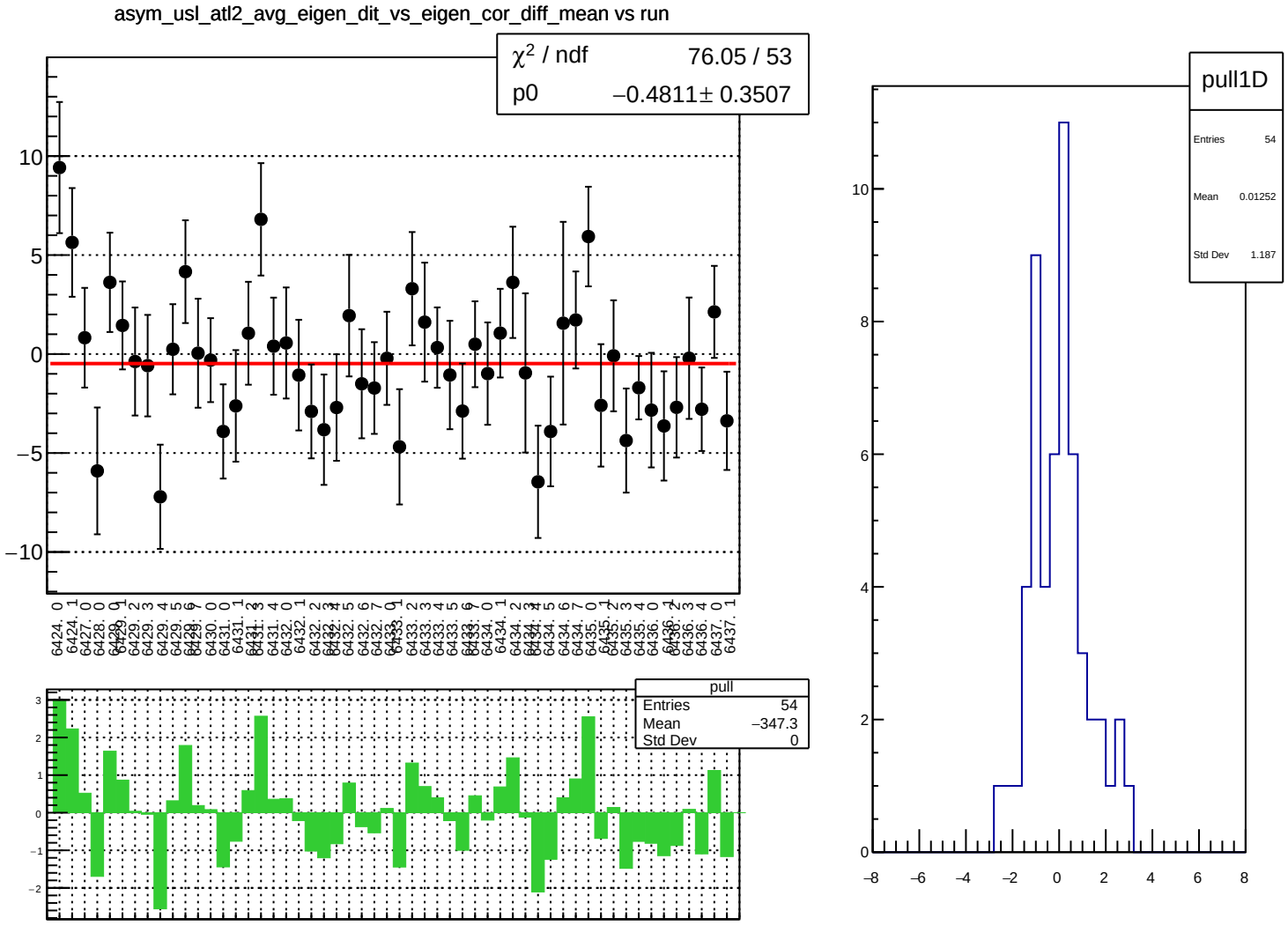

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.901e+04 / 53
p0 248.4 ± 0.248
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

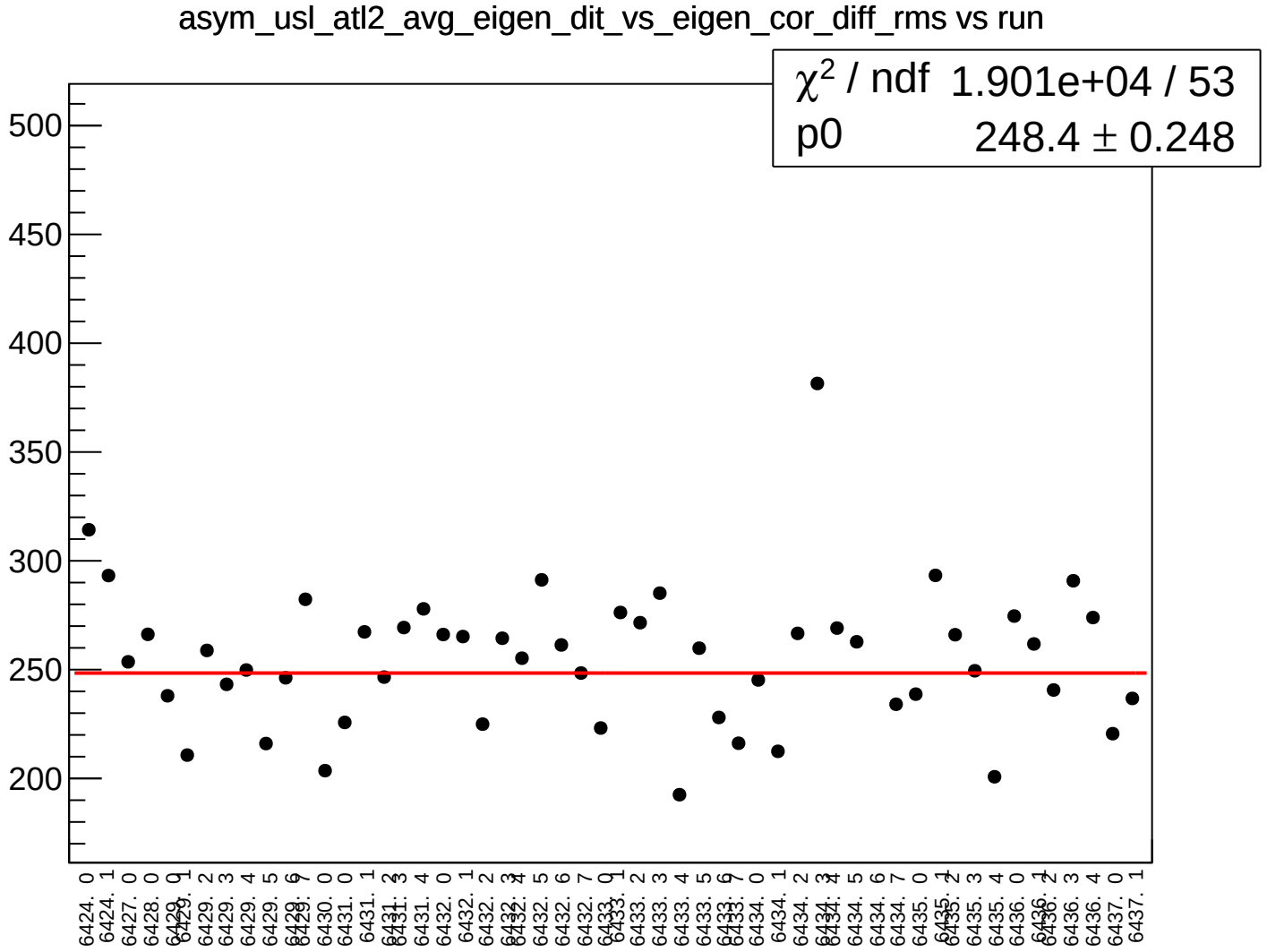

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 73.96 / 53
p0 9.451e−06 ± 1.572e−05
pull
Entries 54
Mean 146.7
Std Dev 0
pull1D
Entries 54
Mean 0.007166
Std Dev 1.17

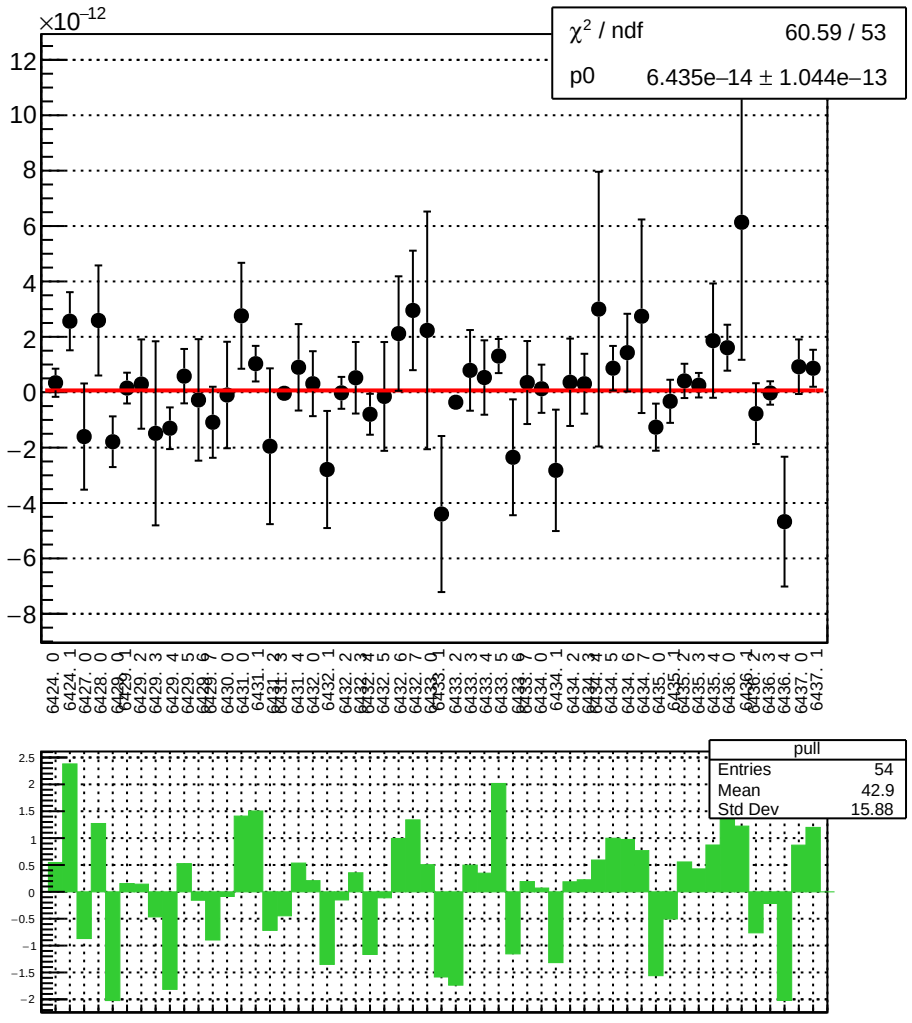

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2725 / 53
p0 0.01122 ± 1.111e–05
0.0125
0.012
0.0115
0.011
0.0105
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

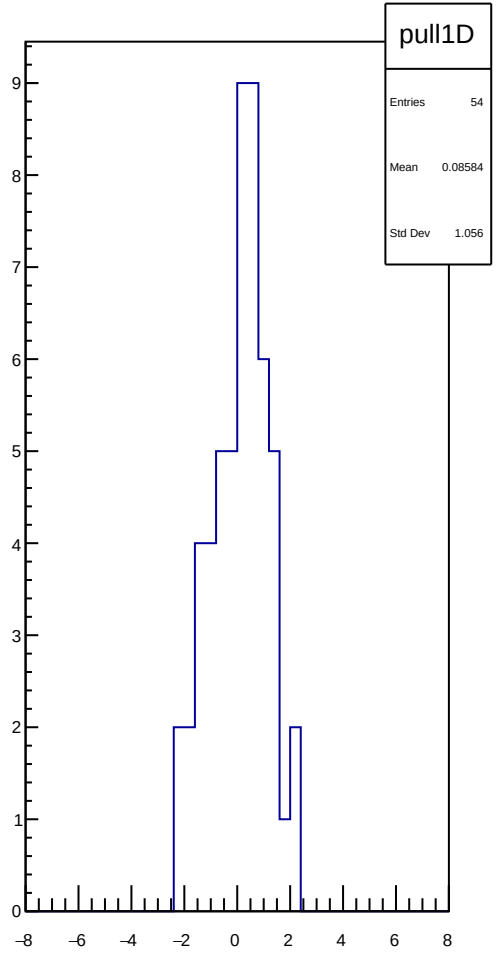

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.05 / 53
p0 −0.4811± 0.3507
pull
Entries 54
Mean −347.3
Std Dev 0
pull1D
Entries 54
Mean 0.01252
Std Dev 1.187

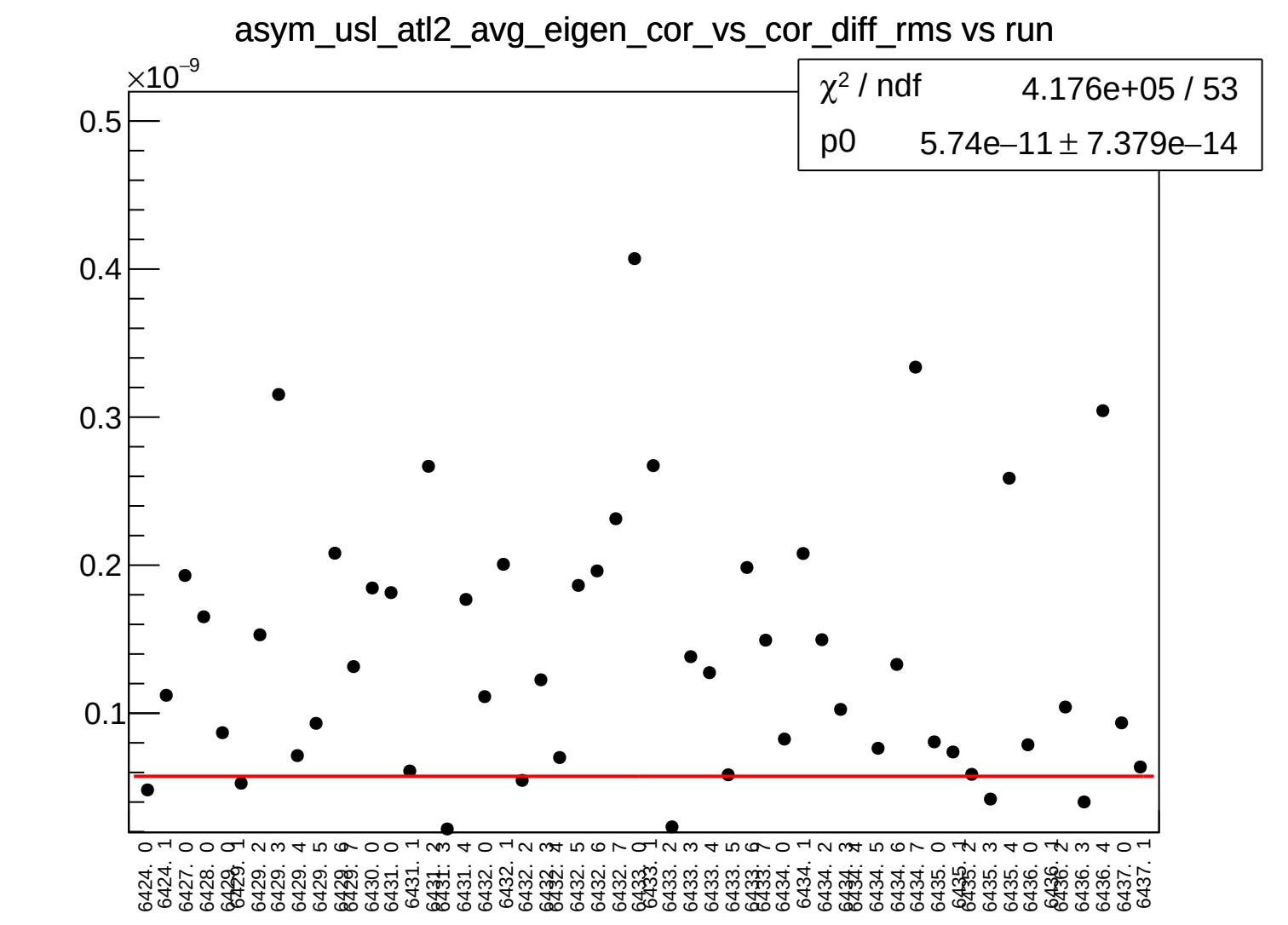

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.901e+04 / 53
p0 248.4 ± 0.248
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

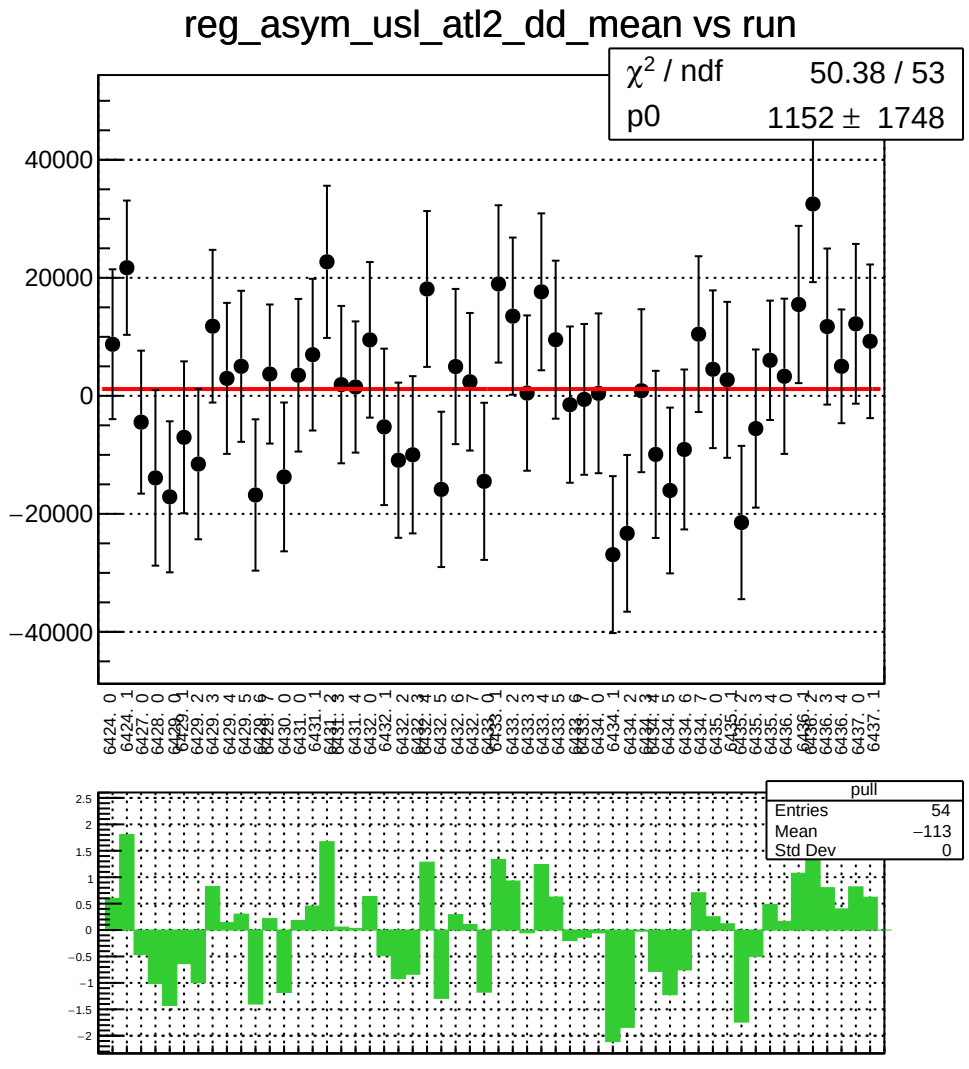

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.05 / 53
p0 −0.4811± 0.3507
pull
Entries 54
Mean −347.3
Std Dev 0
pull1D
Entries 54
Mean 0.01252
Std Dev 1.187

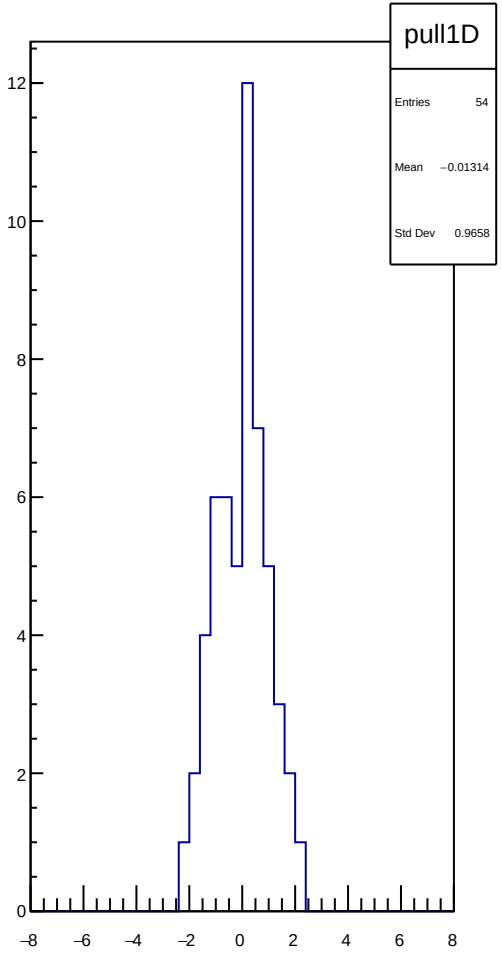

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.901e+04 / 53
p0 248.4 ± 0.248
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

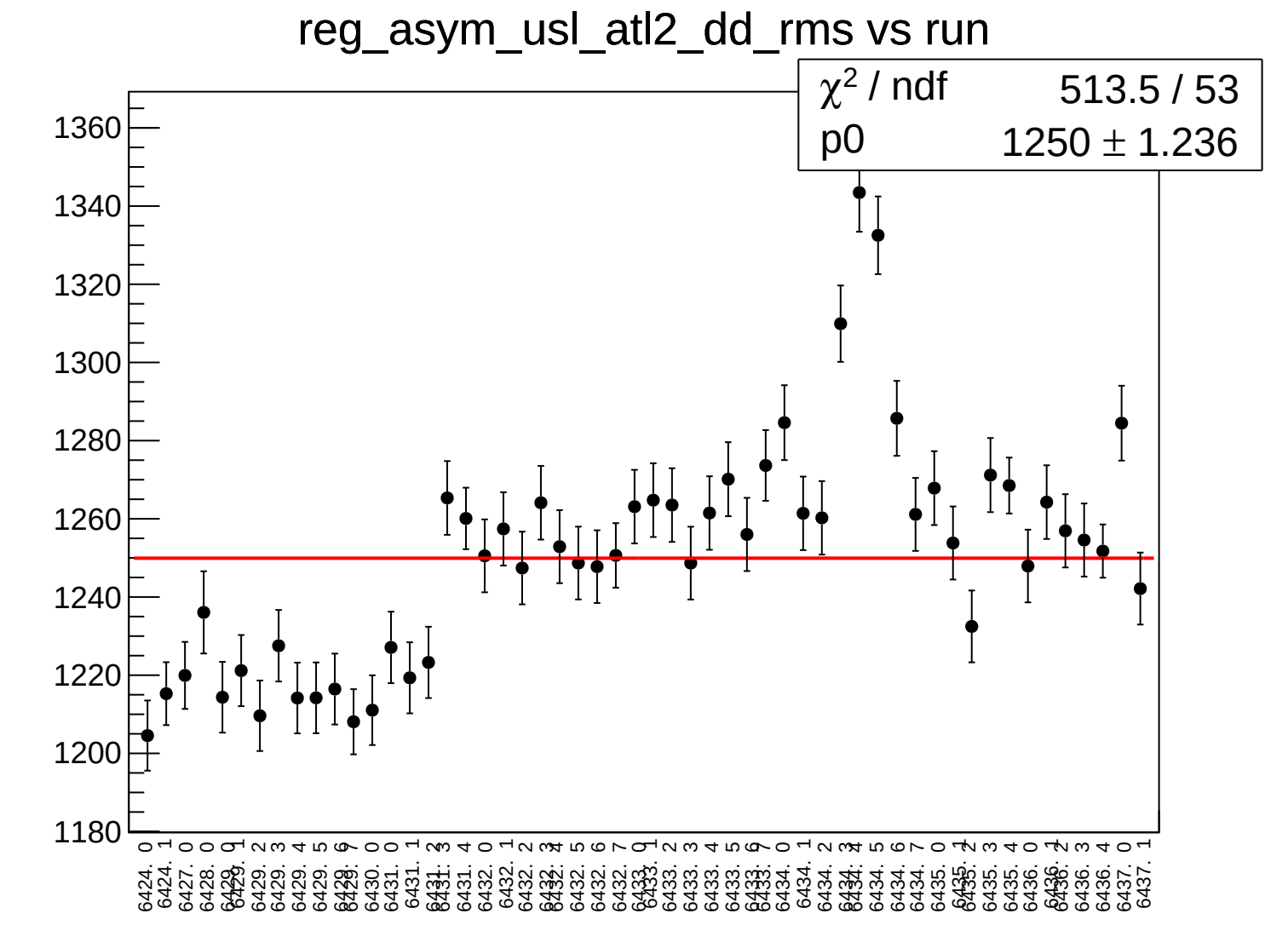

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.59 / 53
p0 6.435e−14 ± 1.044e−13
pull
Entries 54
Mean 42.9
Std Dev 15.88

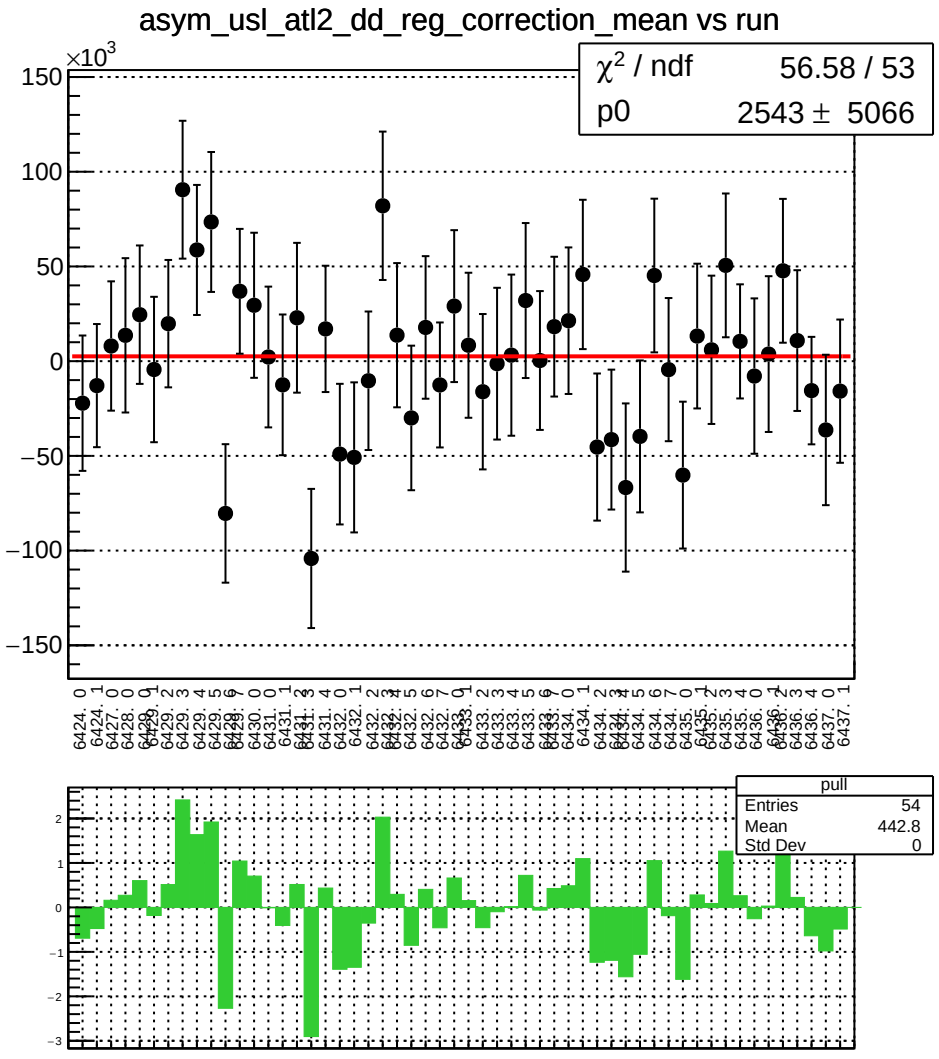

pull1D
Entries 54
Mean 0.08584
Std Dev 1.056

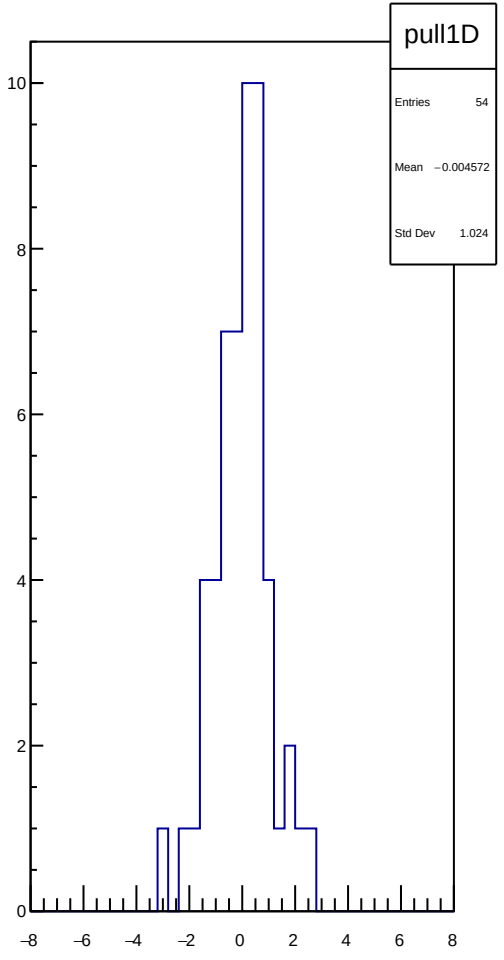

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.176e+05 / 53
p0 5.74e−11 ± 7.379e−14
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

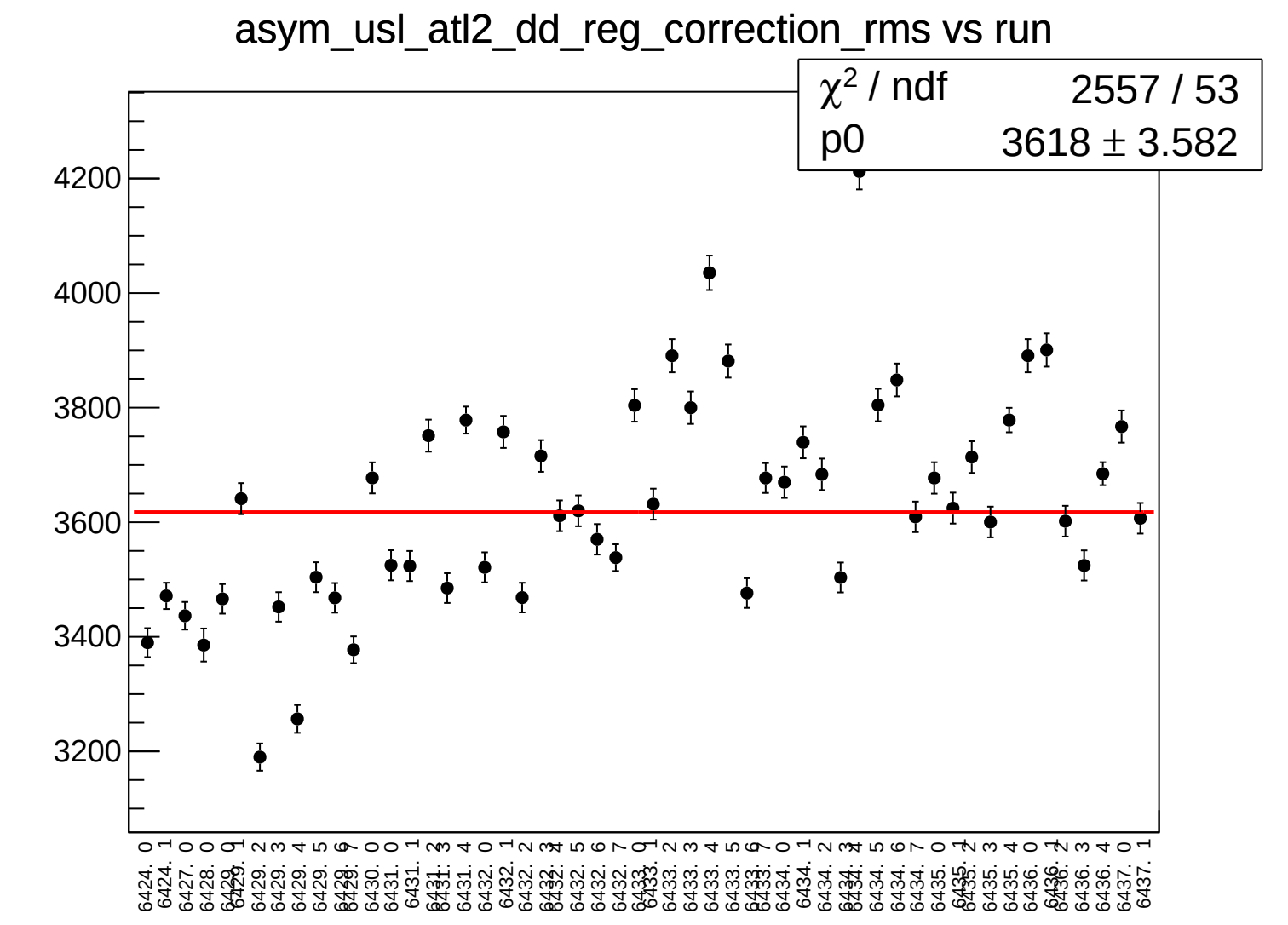

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.38 / 53
p0 1152 ± 1748
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −113
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

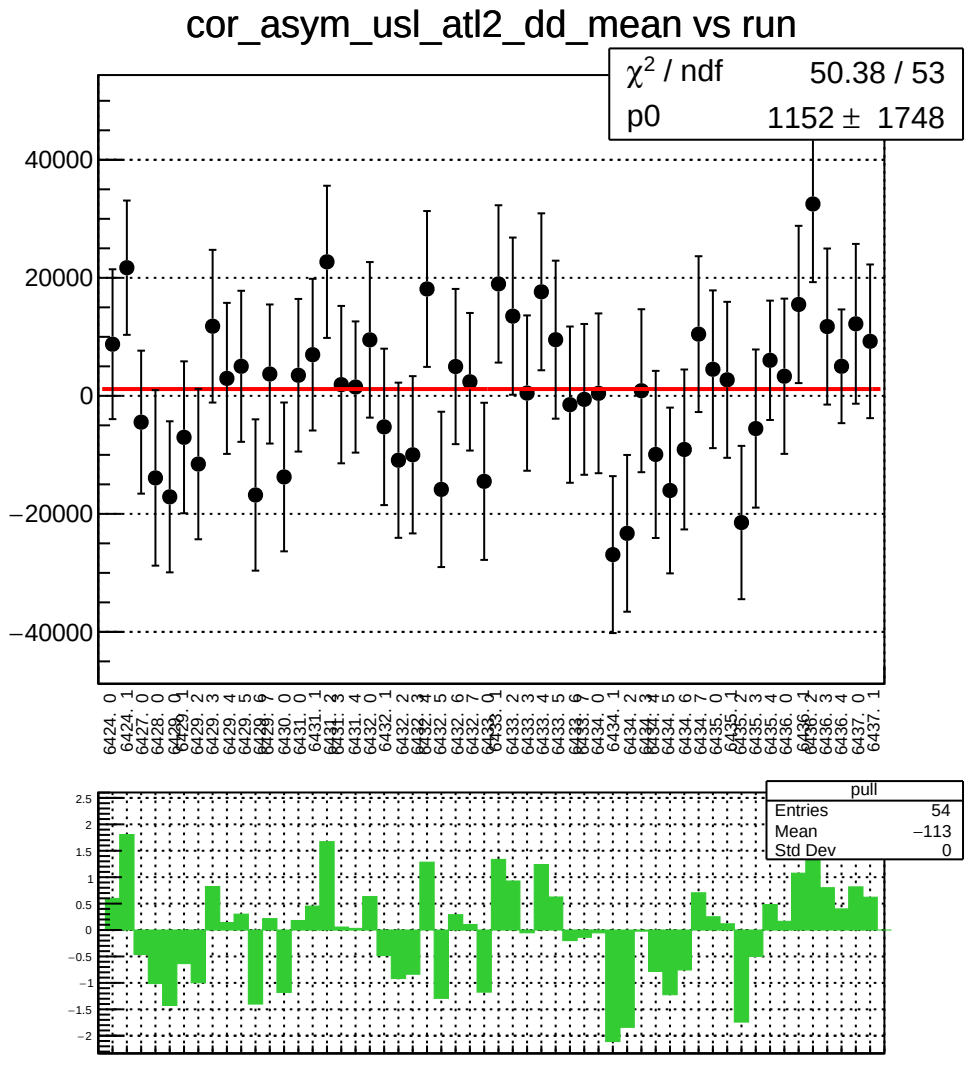

pull1D
Entries 54
Mean −0.01314
Std Dev 0.9658
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

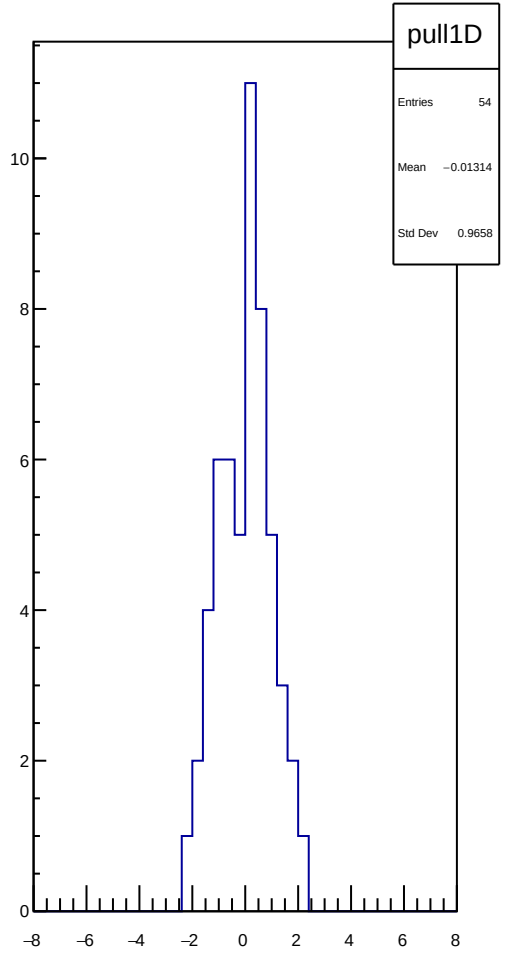

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 513.5 / 53
p0 1250 ± 1.236
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

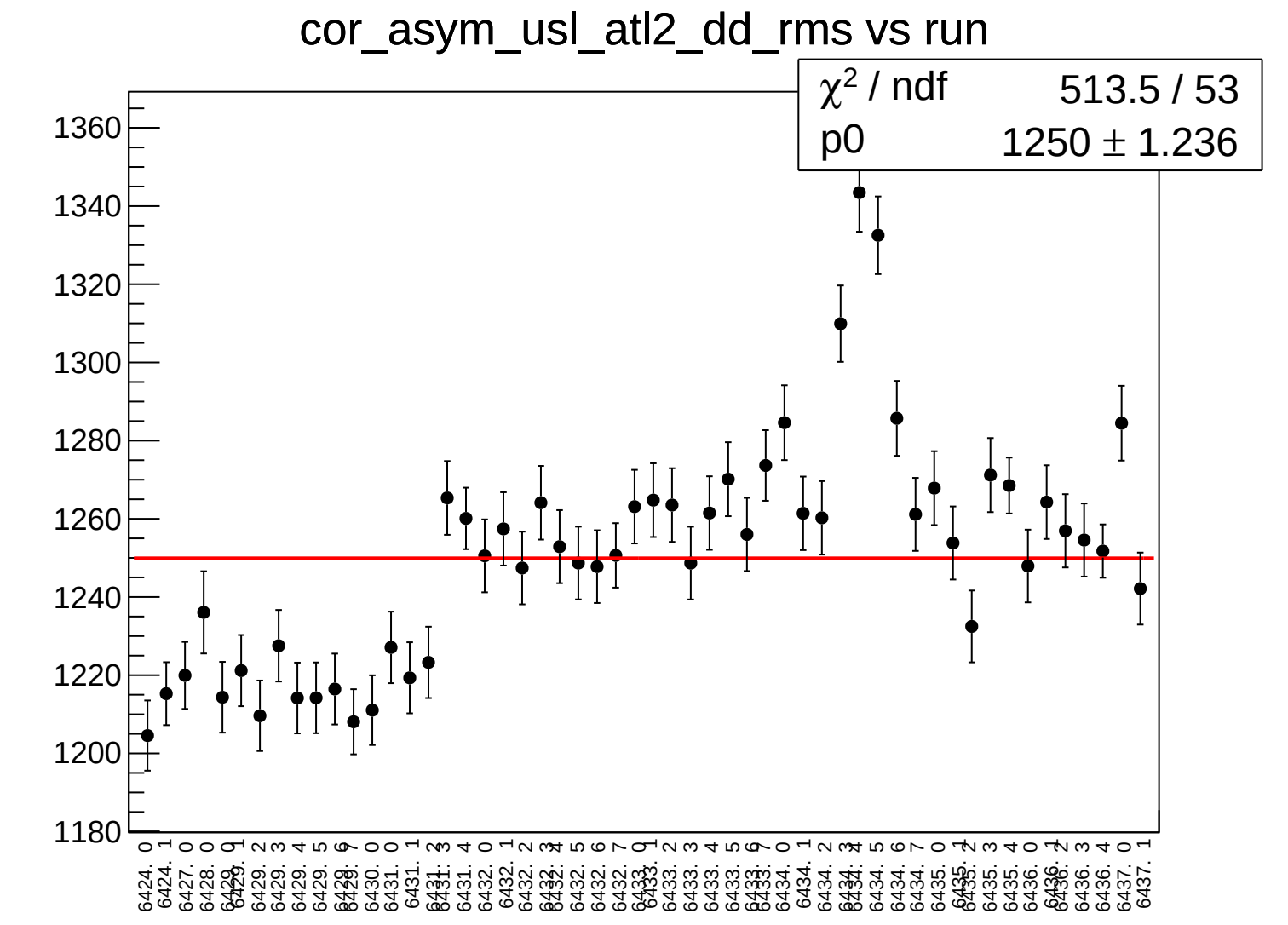

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.58 / 53
p0 2543 ± 5066
pull
Entries 54
Mean 442.8
Std Dev 0

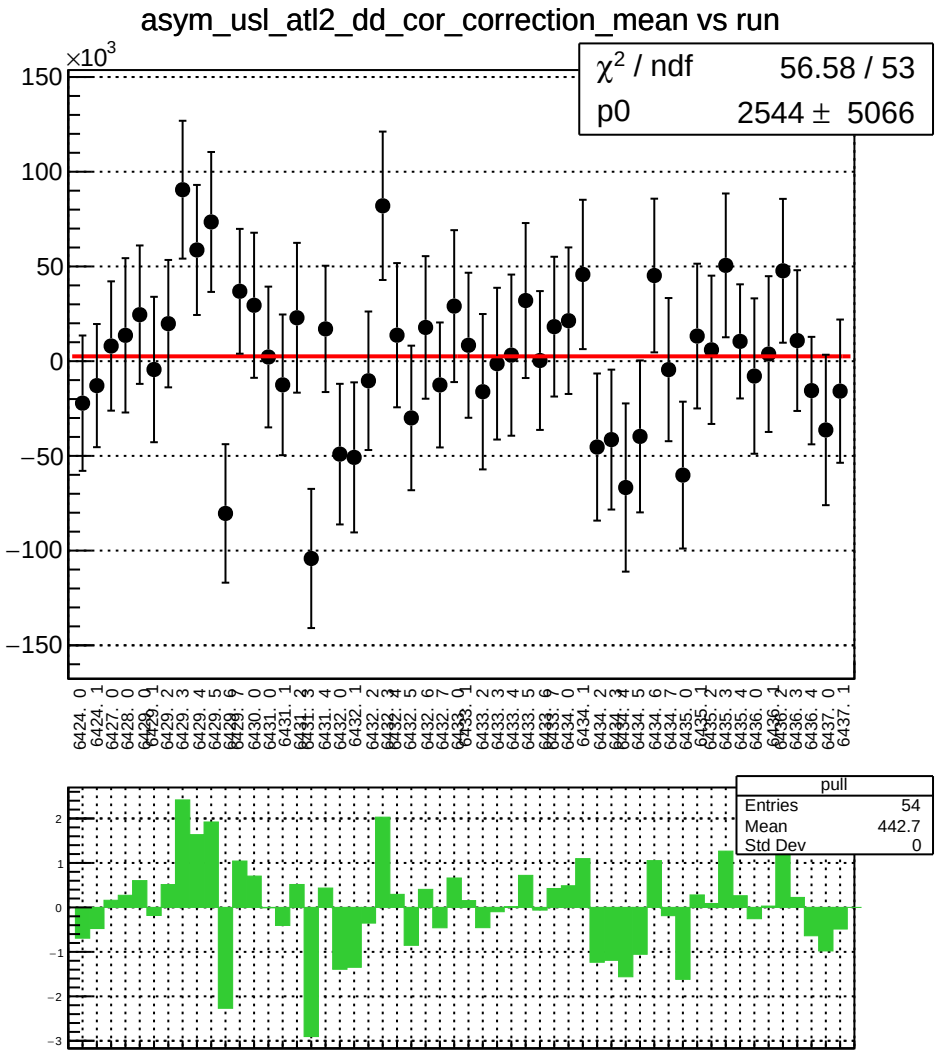

pull1D
Entries 54
Mean −0.004572
Std Dev 1.024

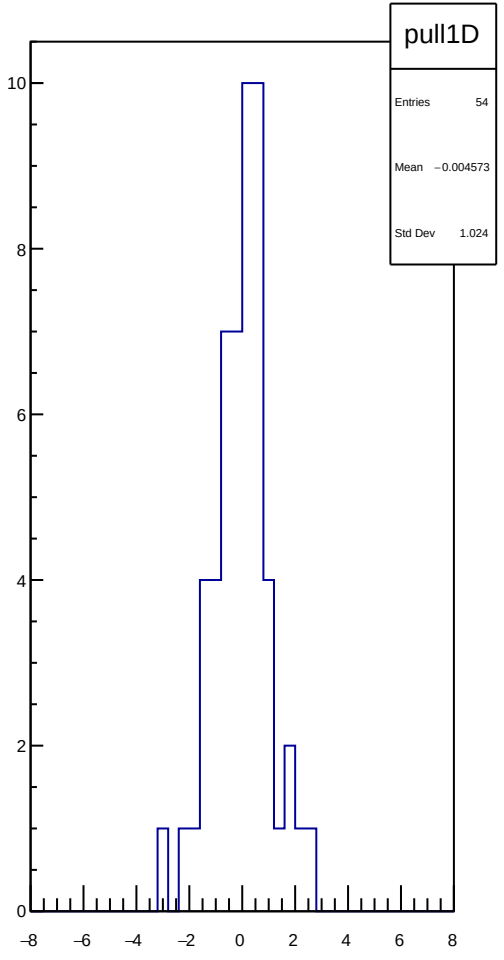

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2557 / 53
p0 3618 ± 3.582
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

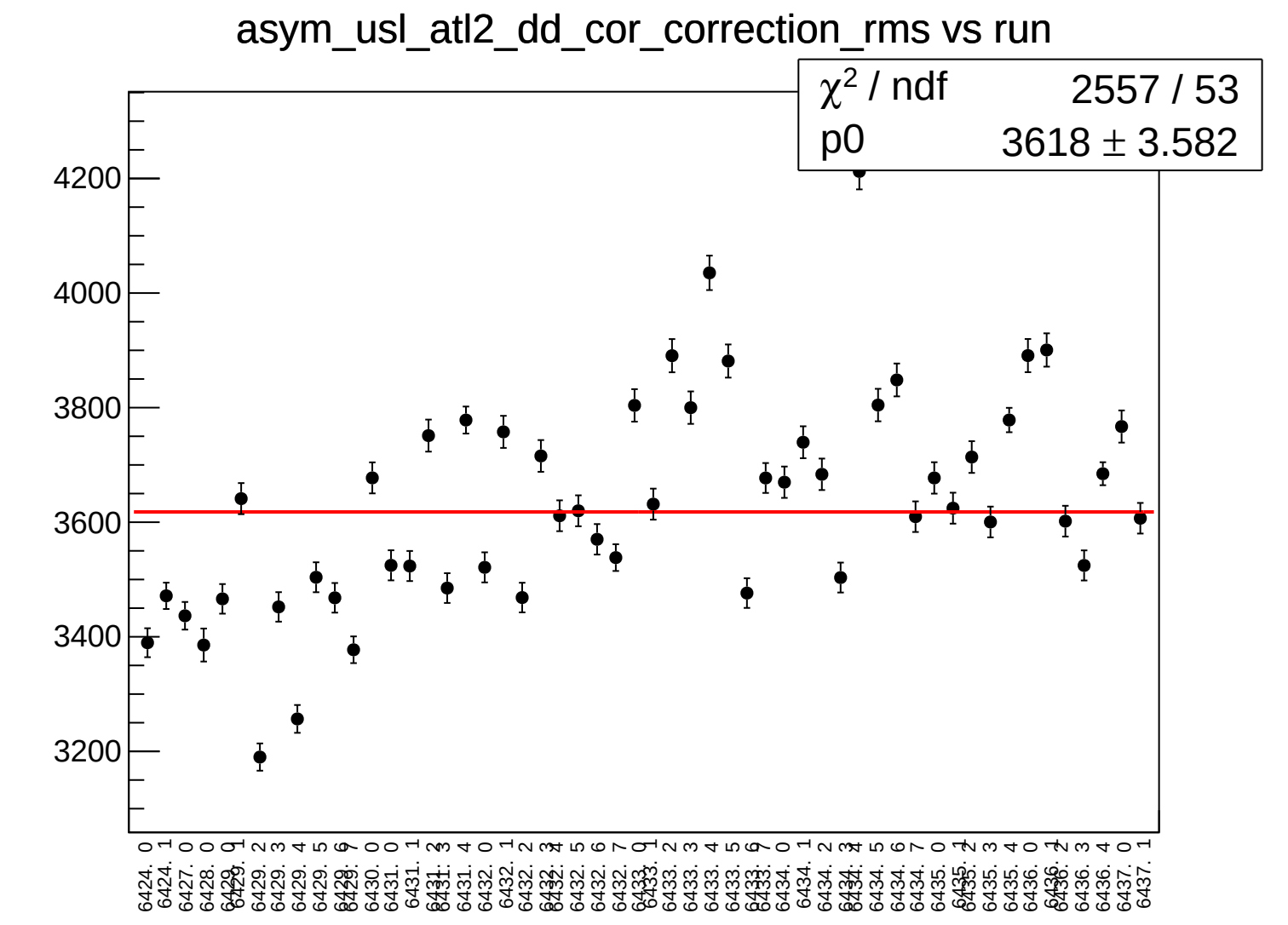

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.38 / 53
p0 1152 ± 1748
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −113
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.01314
Std Dev 0.9658
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 513.5 / 53
p0 1250 ± 1.236
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 56.58 / 53
p0 2544 ± 5066
×10³
pull
Entries 54
Mean 442.7
Std Dev 0


pull1D
Entries 54
Mean −0.004573
Std Dev 1.024


asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2557 / 53
p0 3618 ± 3.582
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
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6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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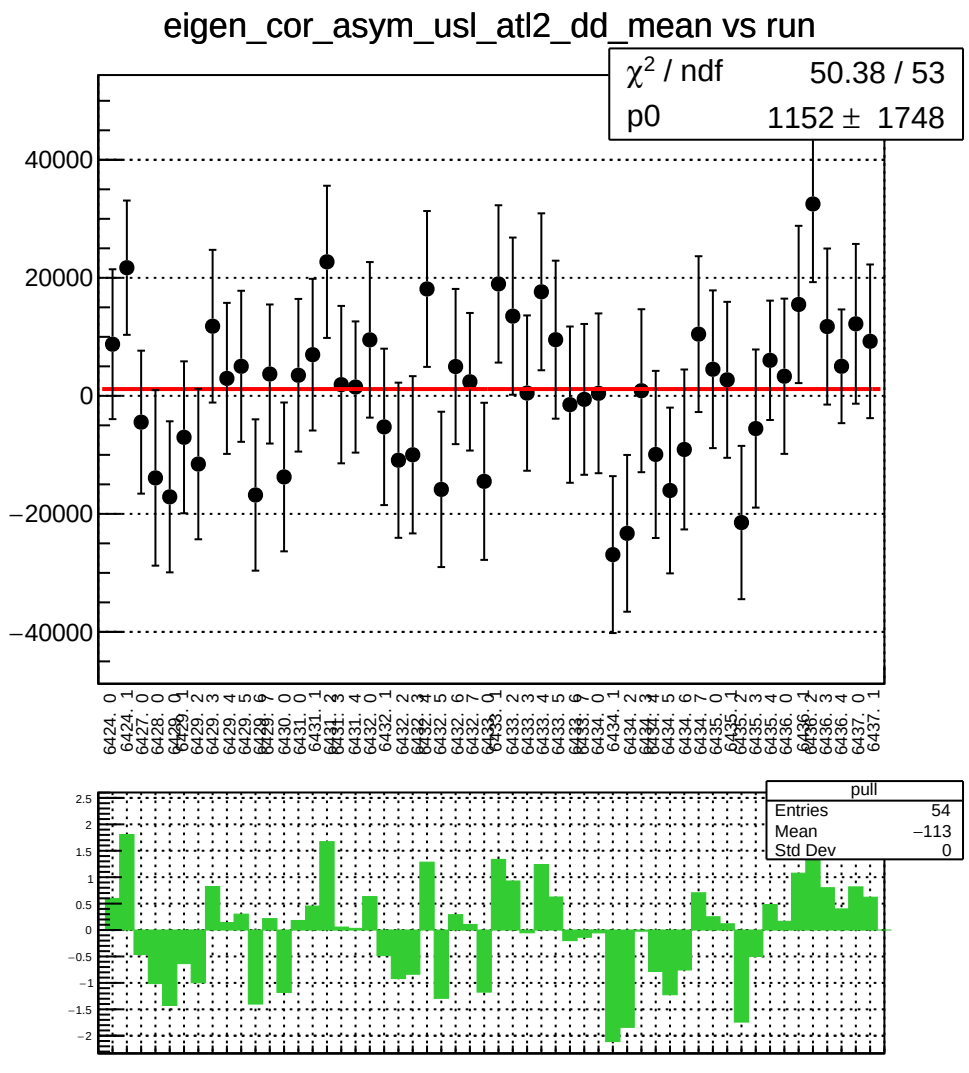
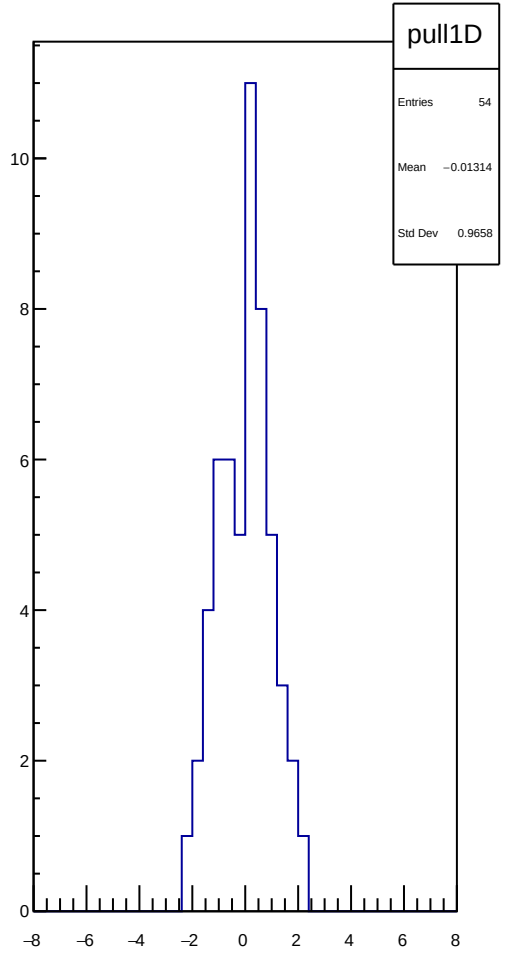
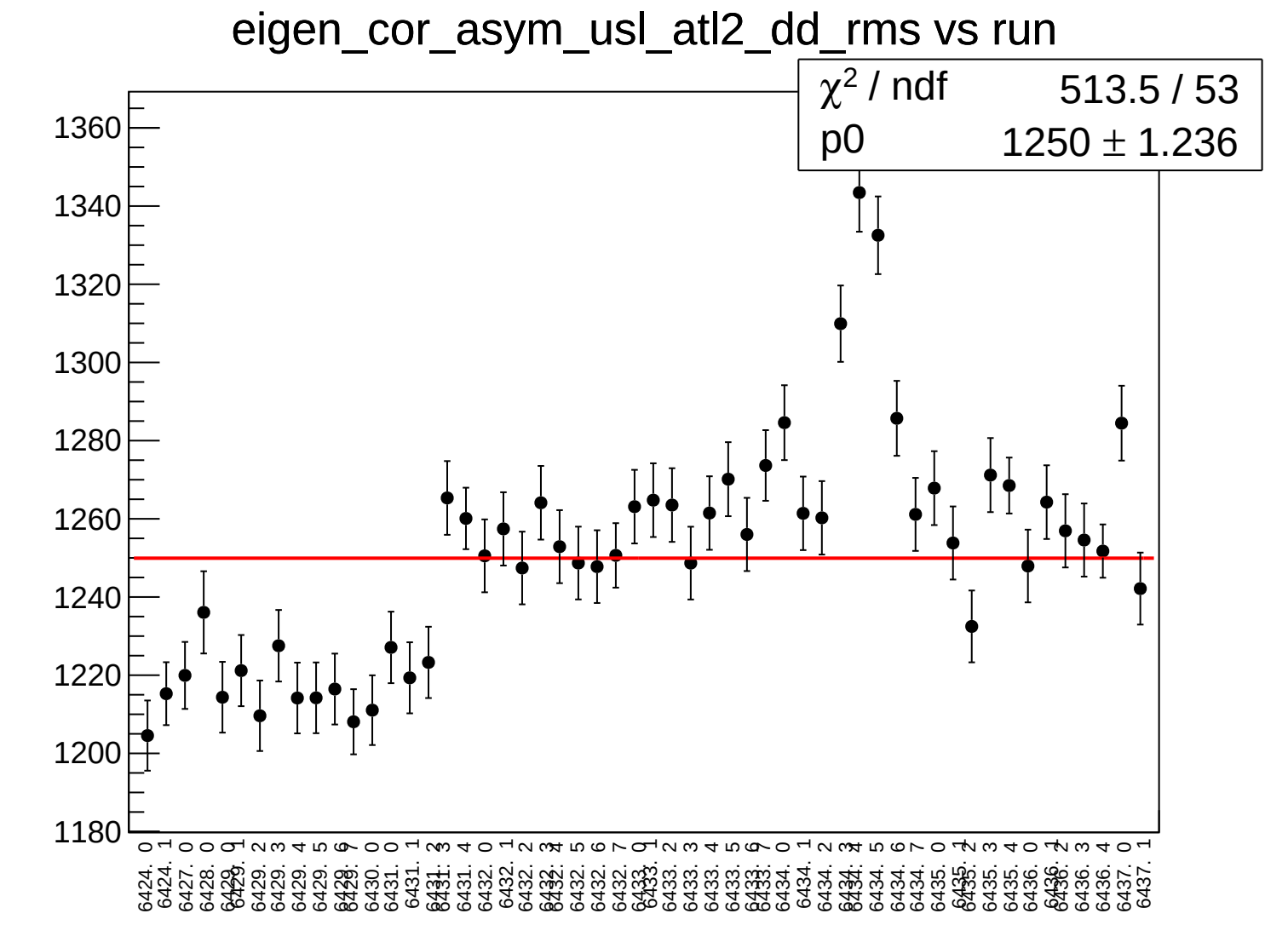
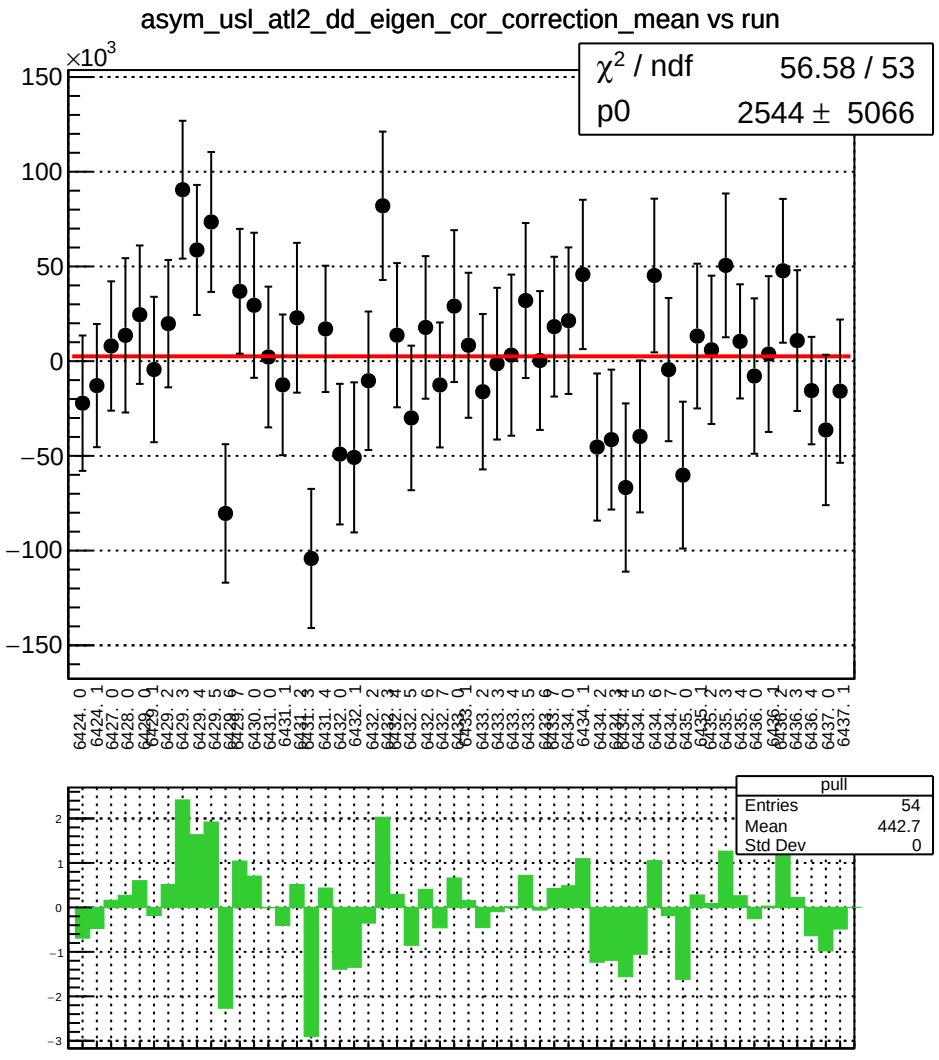
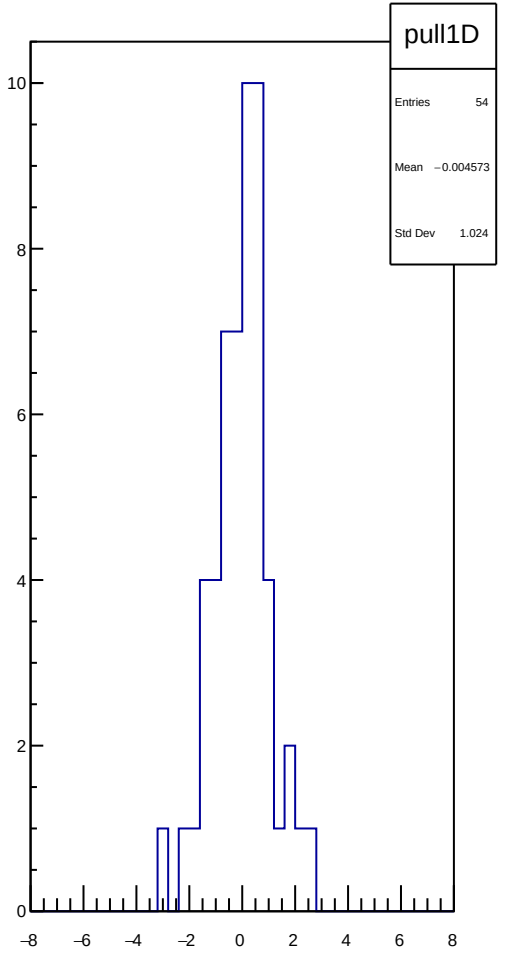
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

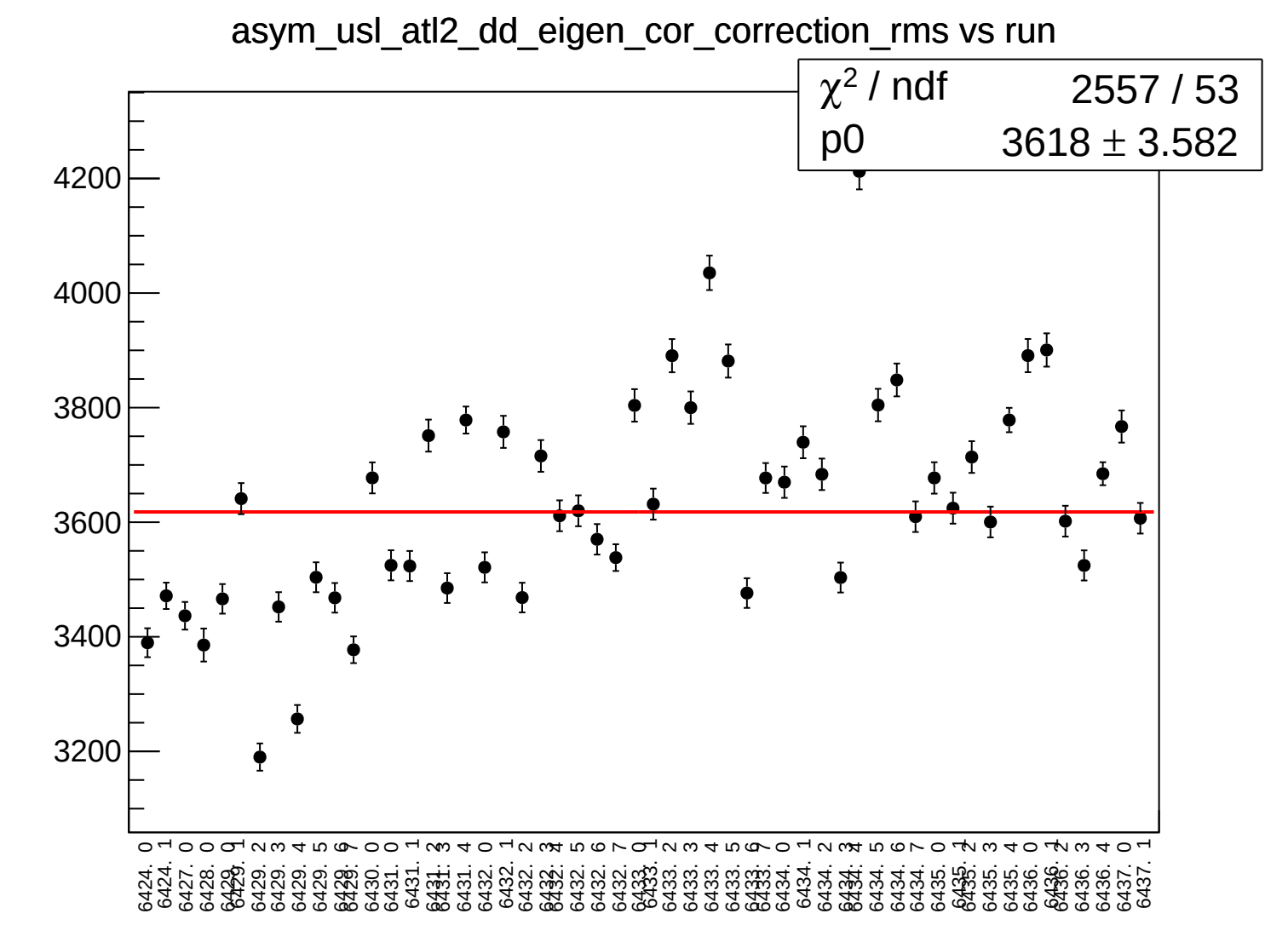

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.38 / 53
p0 1152 ± 1748
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −113
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

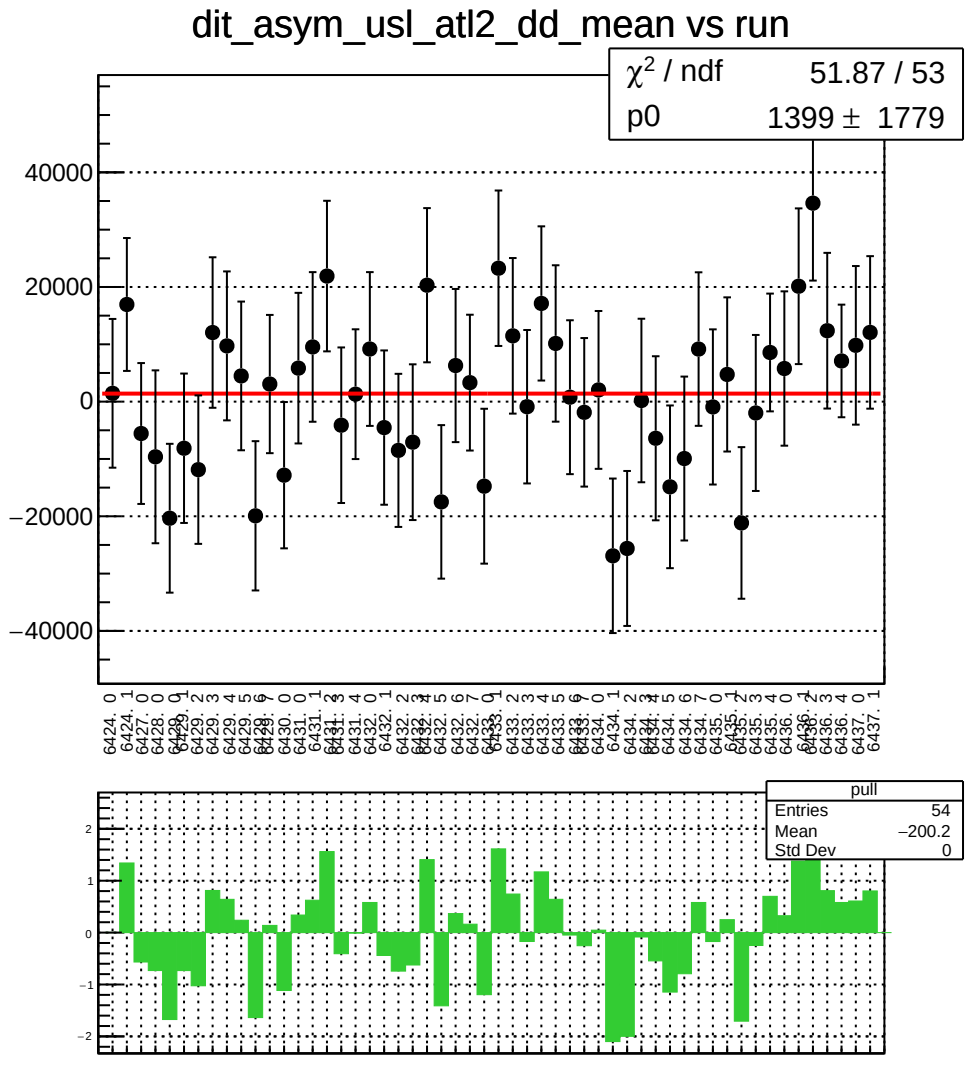

pull1D
Entries 54
Mean −0.01314
Std Dev 0.9658
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

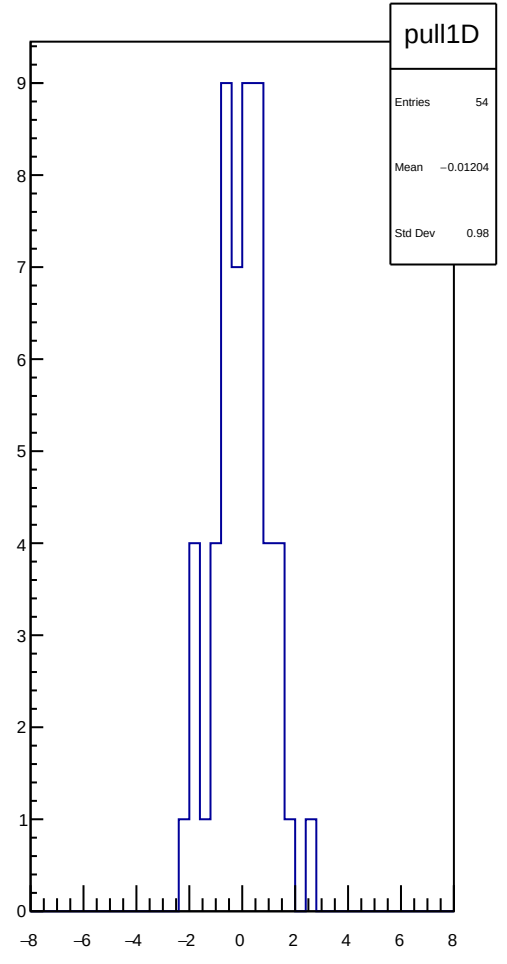

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 513.5 / 53
p0 1250 ± 1.236
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

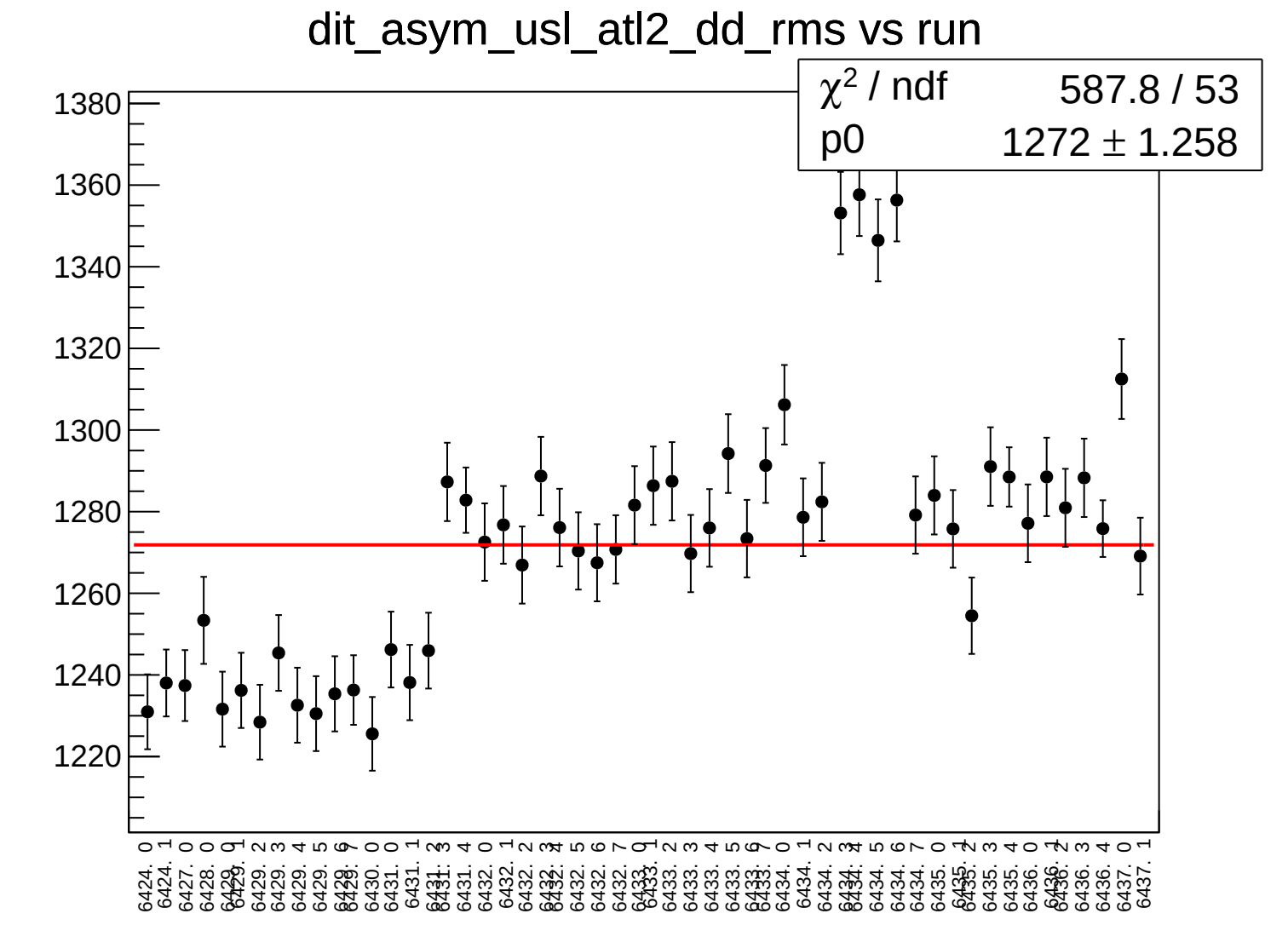

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.58 / 53
p0 2544 ± 5066
pull
Entries 54
Mean 442.7
Std Dev 0

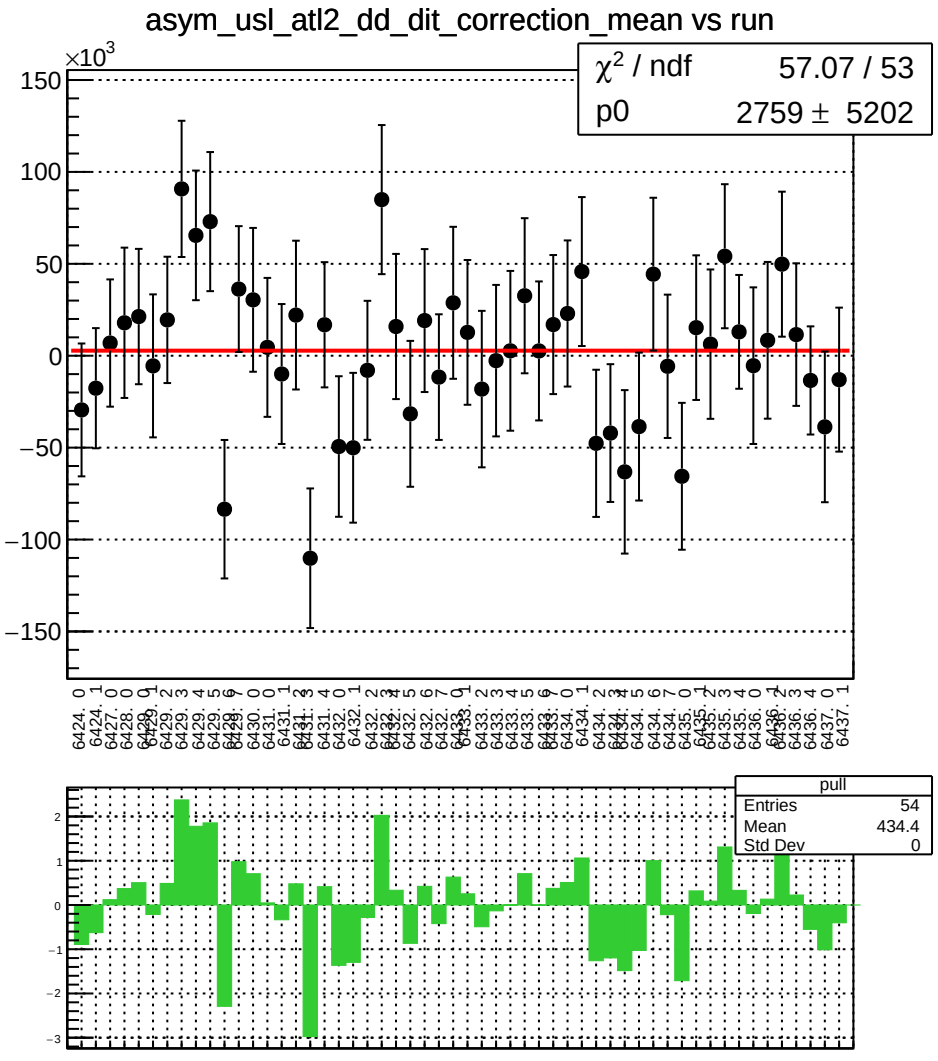

pull1D
Entries 54
Mean −0.004573
Std Dev 1.024

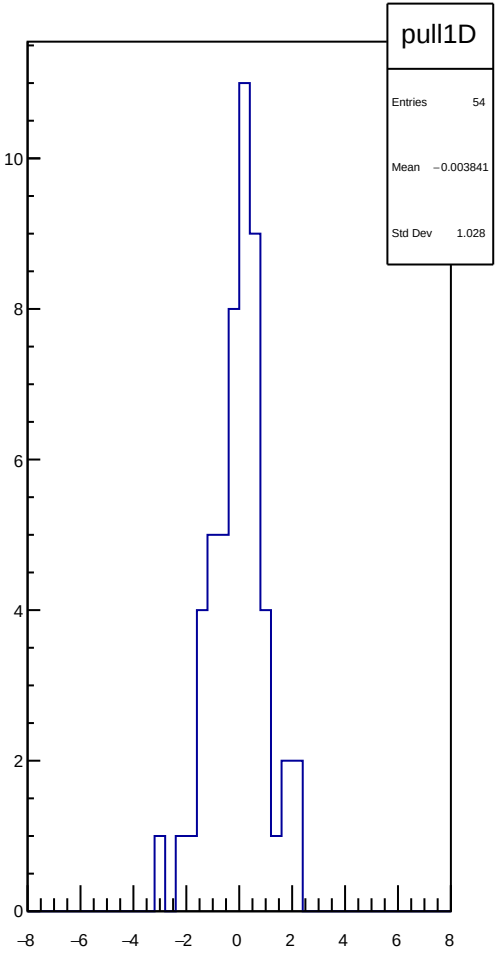

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2557 / 53
p0 3618 ± 3.582
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

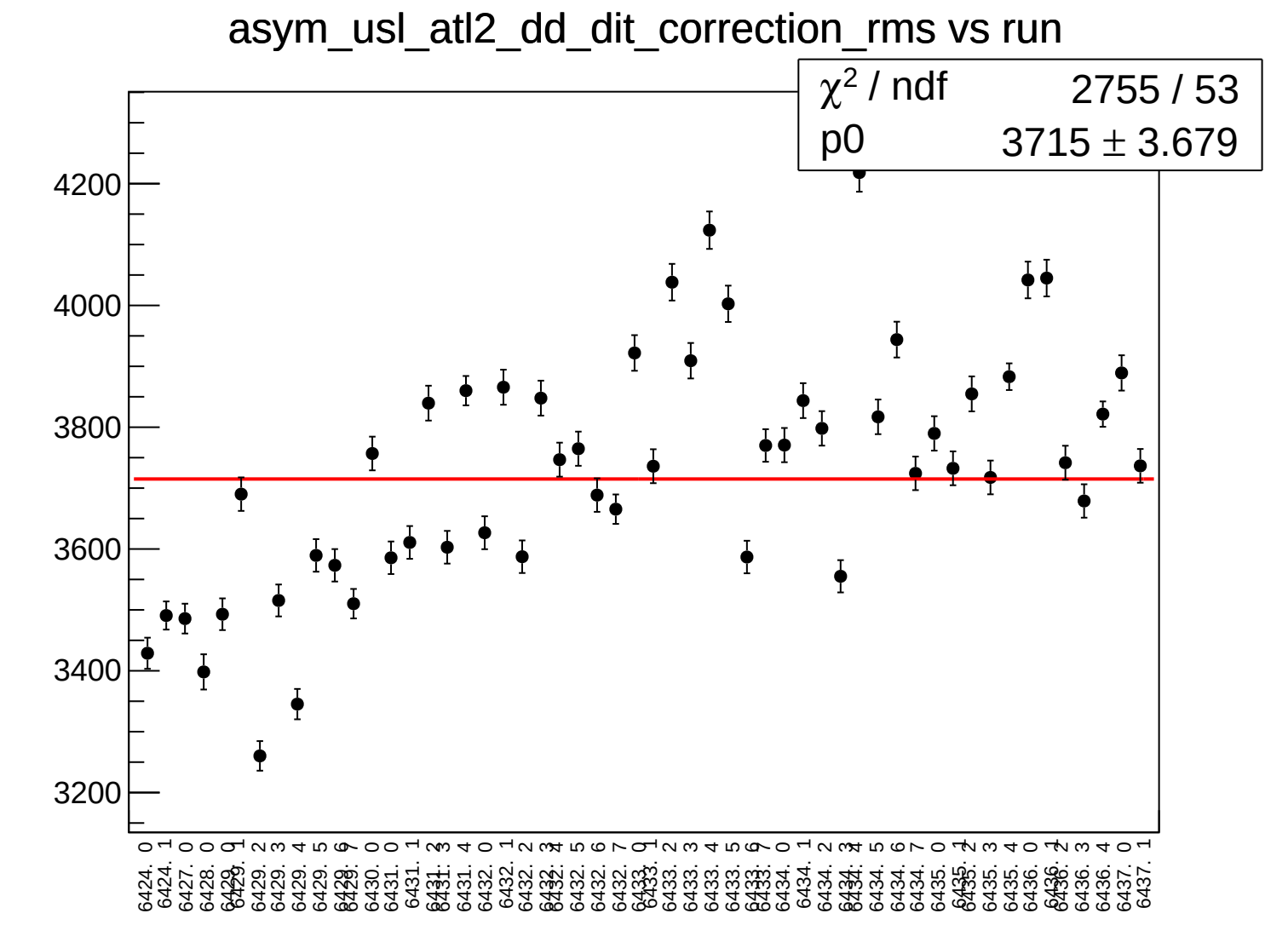

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 51.87 / 53
p0 1399 ± 1779
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −200.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01204
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_usl_atl2_dd_rms vs run
χ² / ndf 587.8 / 53
p0 1272 ± 1.258
1380
1360
1340
1320
1300
1280
1260
1240
1220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 57.07 / 53
p0 2759 ± 5202
pull
Entries 54
Mean 434.4
Std Dev 0


pull1D
Entries 54
Mean −0.003841
Std Dev 1.028


asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 2755 / 53
p0 3715 ± 3.679
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
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6431. 3
6431. 4
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6432. 1
6432. 2
6432. 3
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6432. 5
6432. 6
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6436. 3
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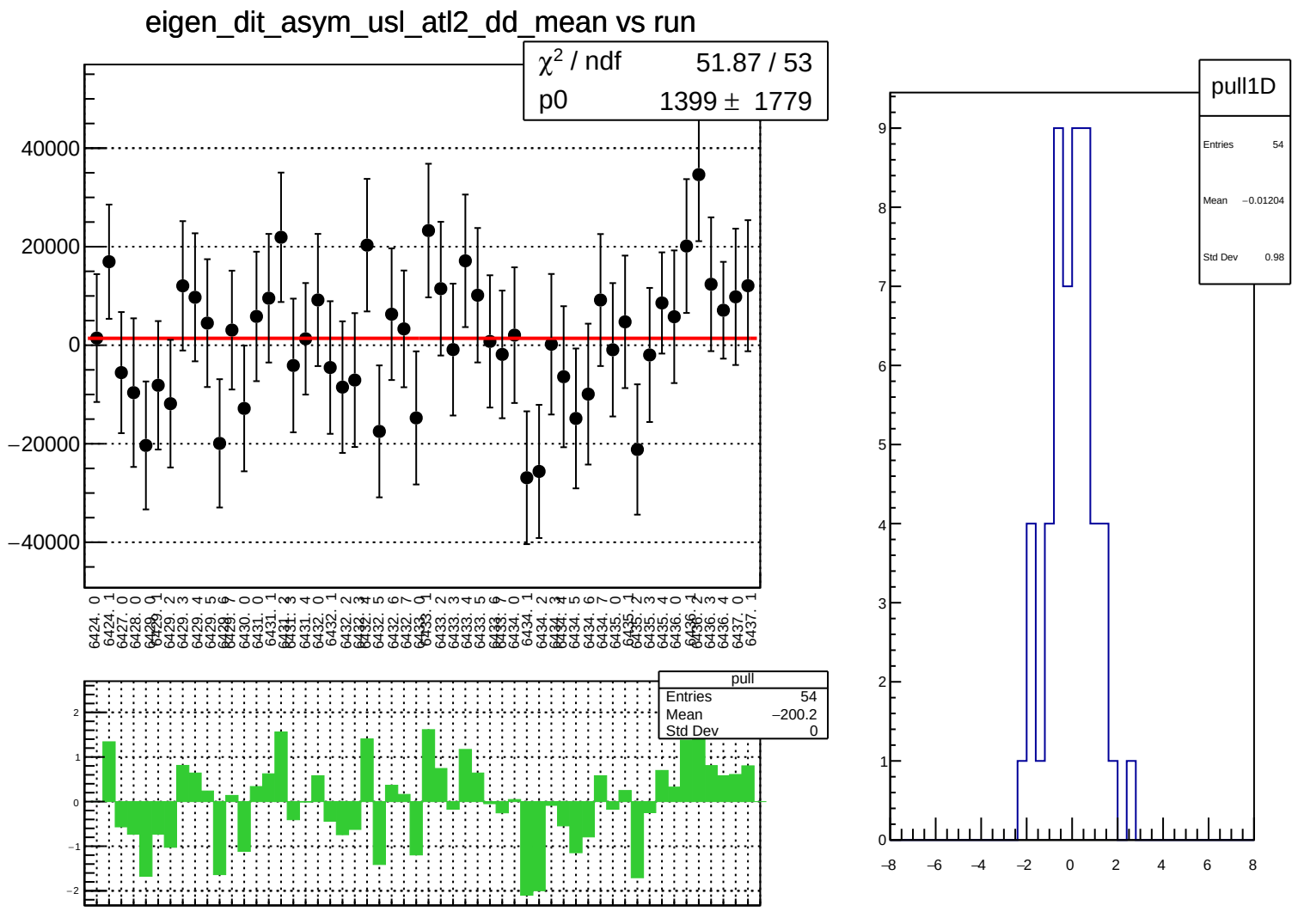
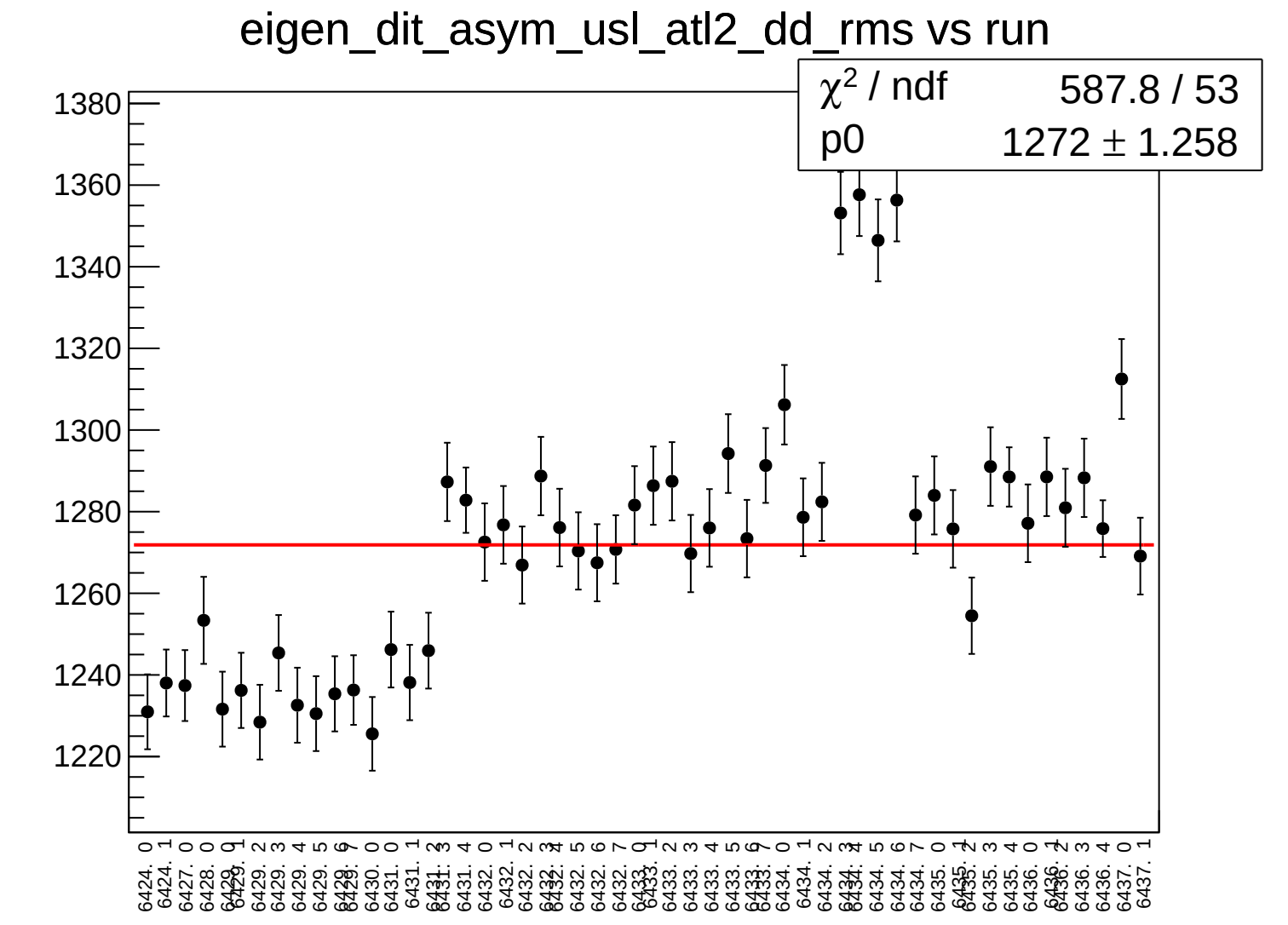
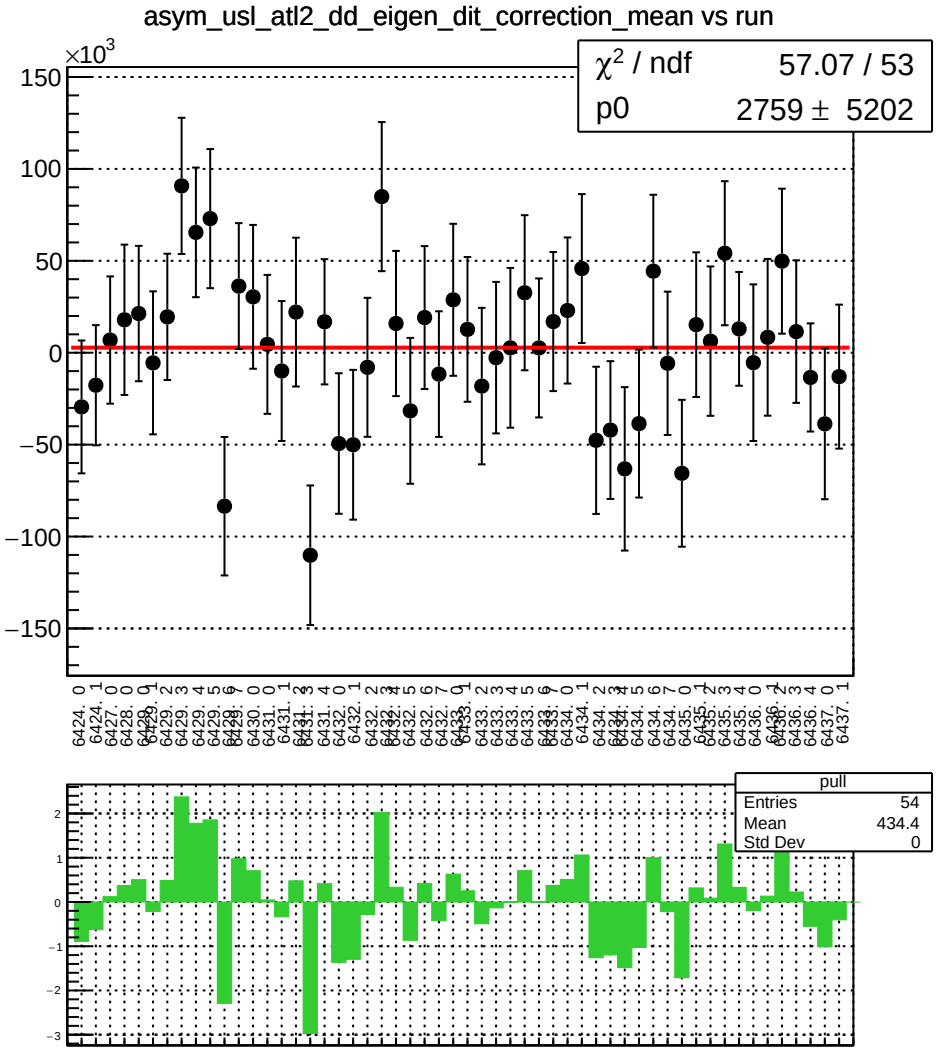
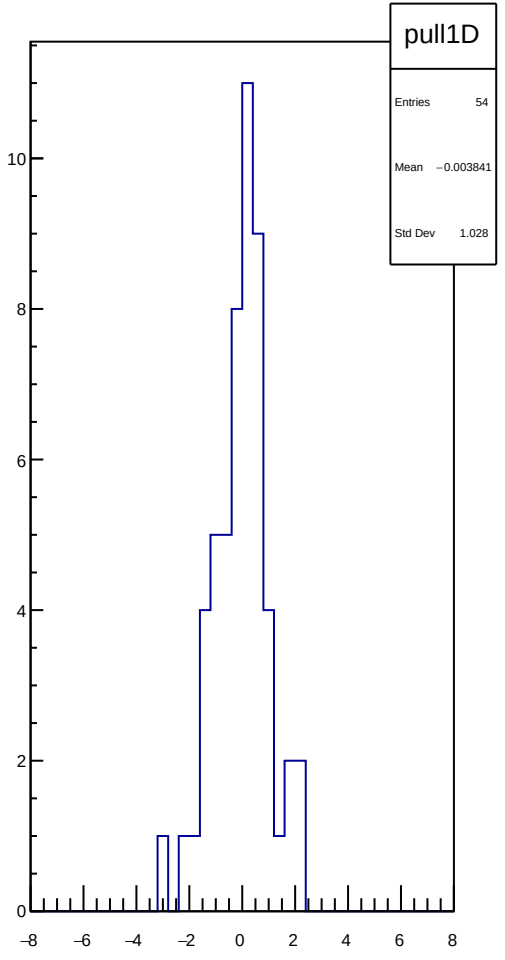
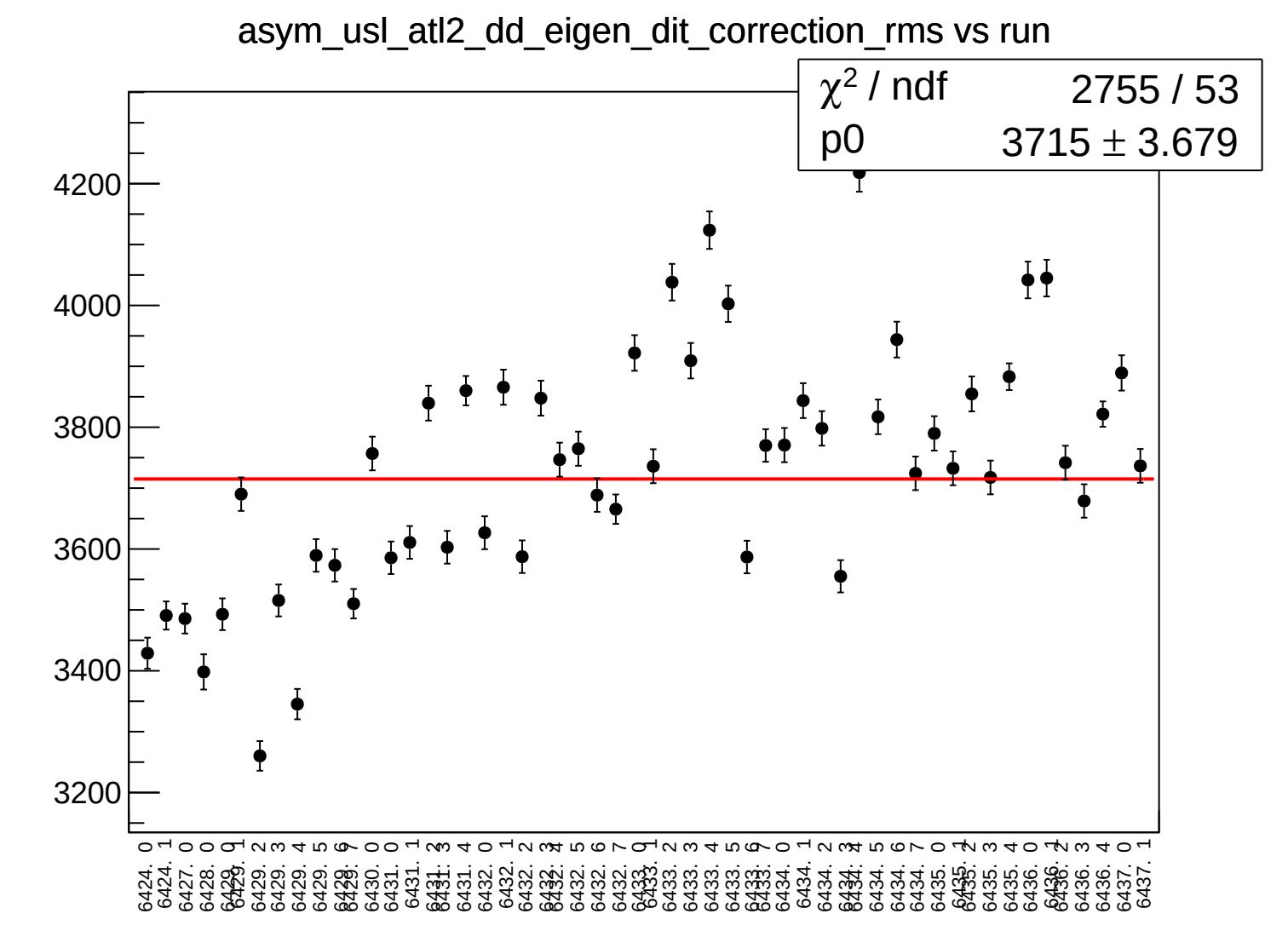
6437. 0
6437. 1

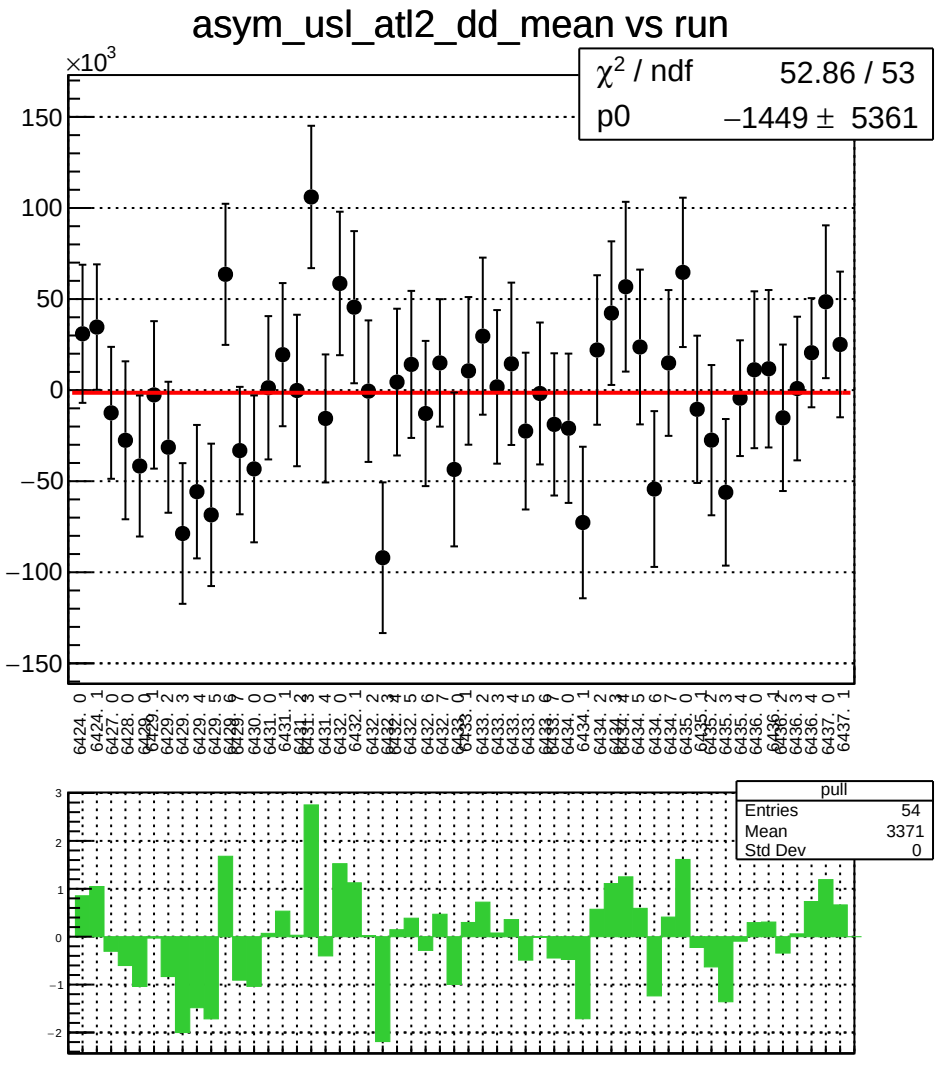

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 51.87 / 53
p0 1399 ± 1779
40000
20000
0
−20000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 0
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −200.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01204
Std Dev 0.98
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

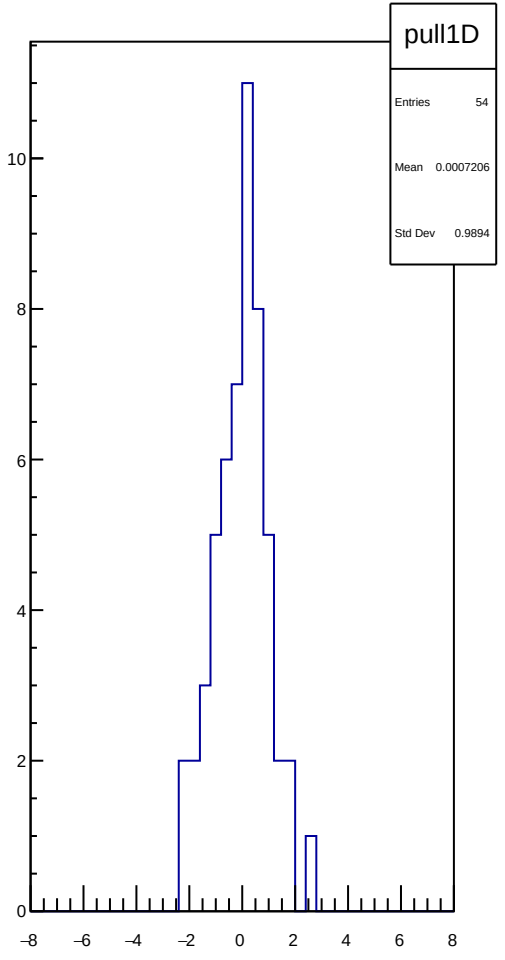

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 587.8 / 53
p0 1272 ± 1.258
1380
1360
1340
1320
1300
1280
1260
1240
1220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

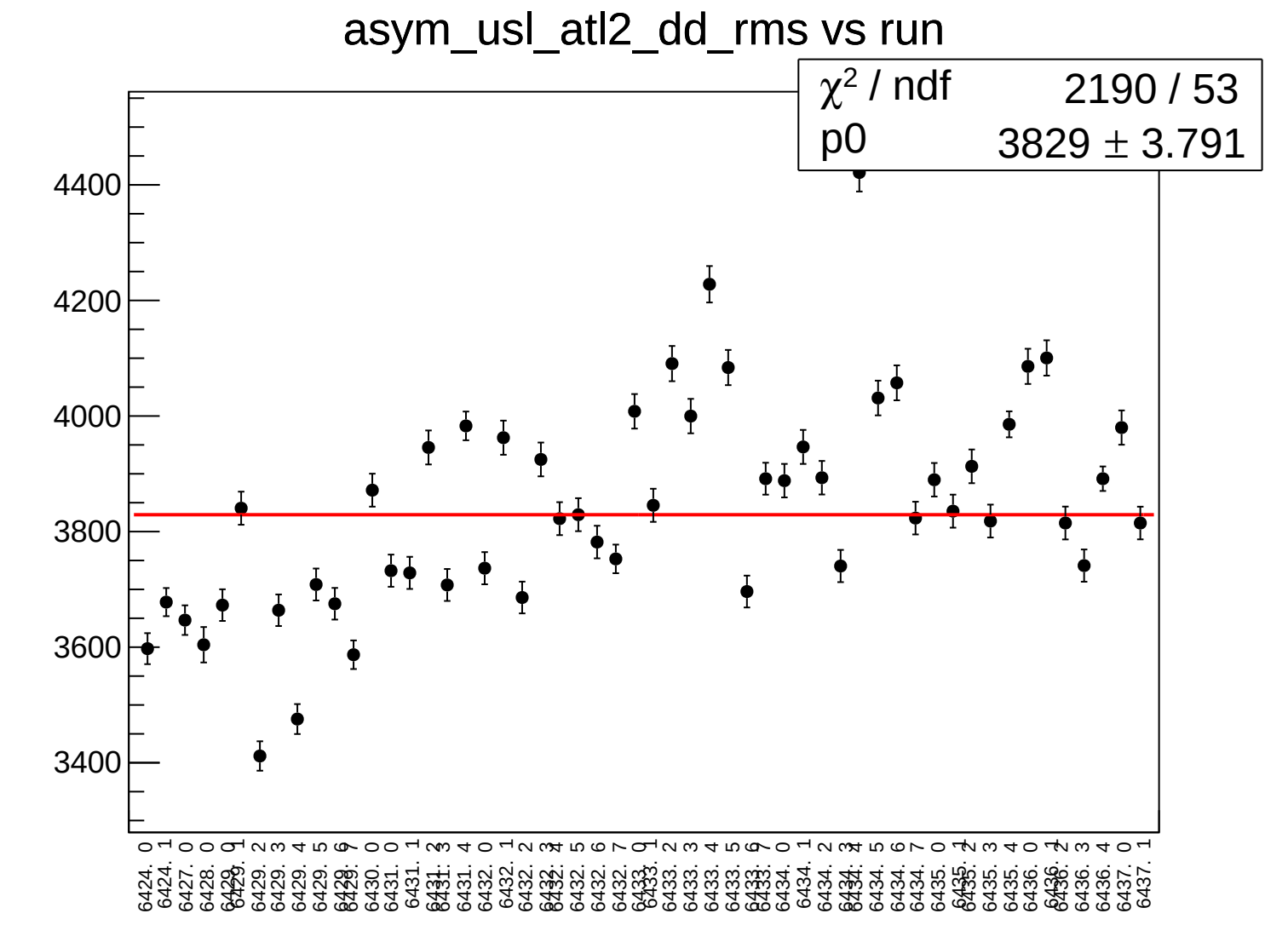

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.07 / 53
p0 2759 ± 5202
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 434.4
Std Dev 0
2
1
0
−1
−2
−3

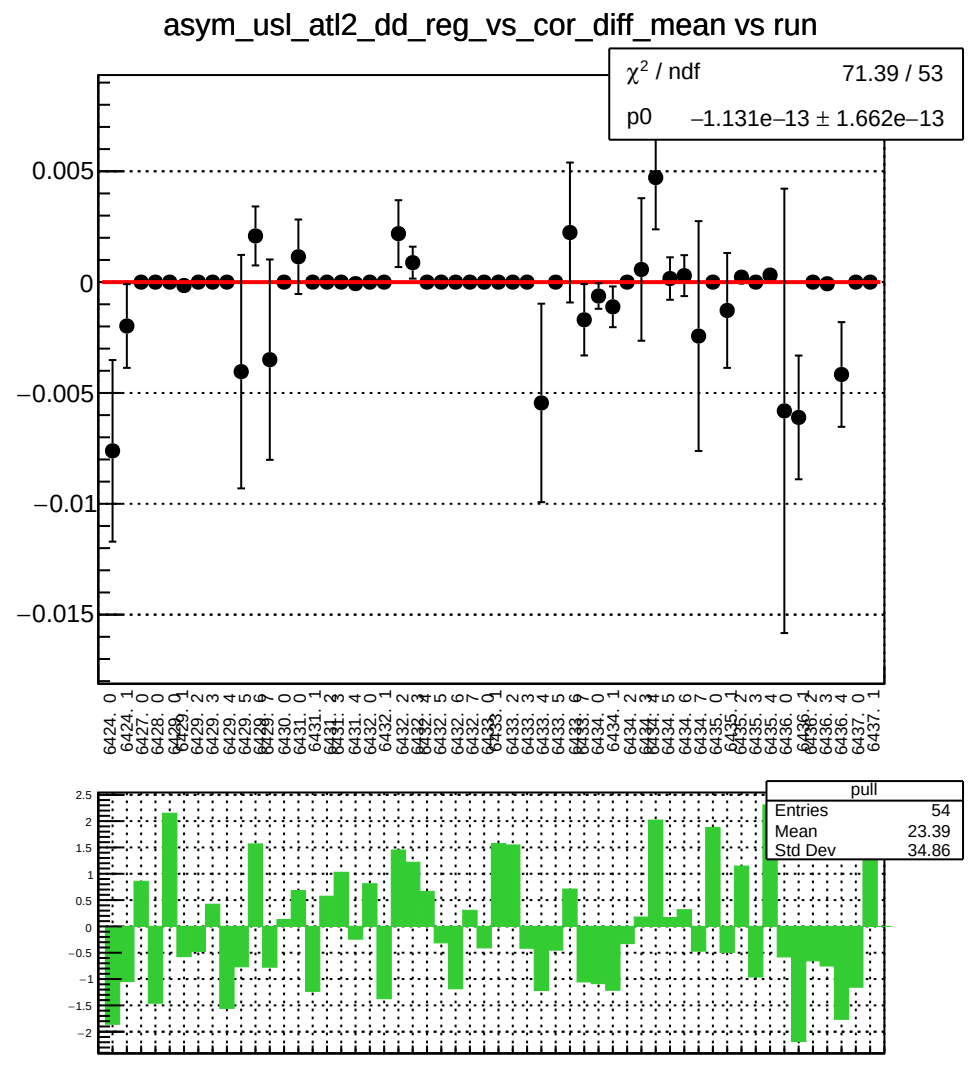

pull1D
Entries 54
Mean −0.003841
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

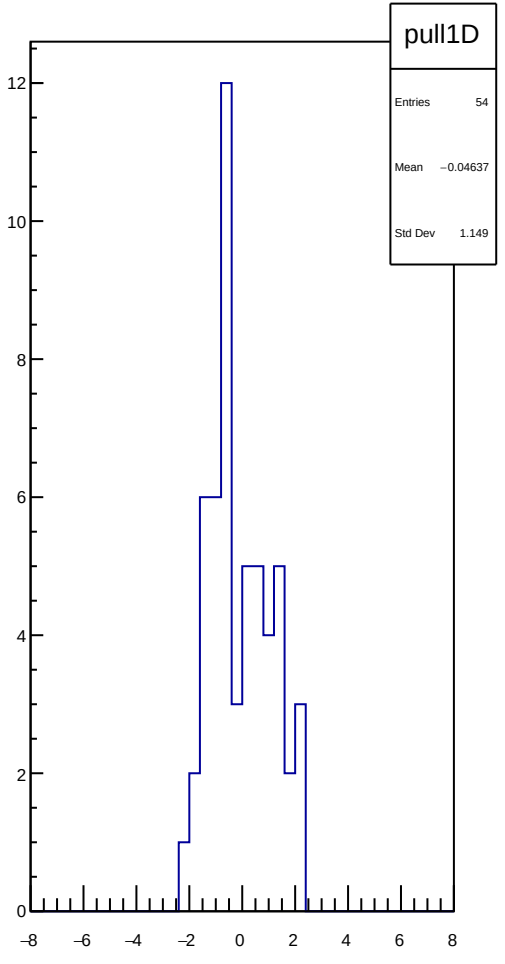

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2755 / 53
p0 3715 ± 3.679
4200
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

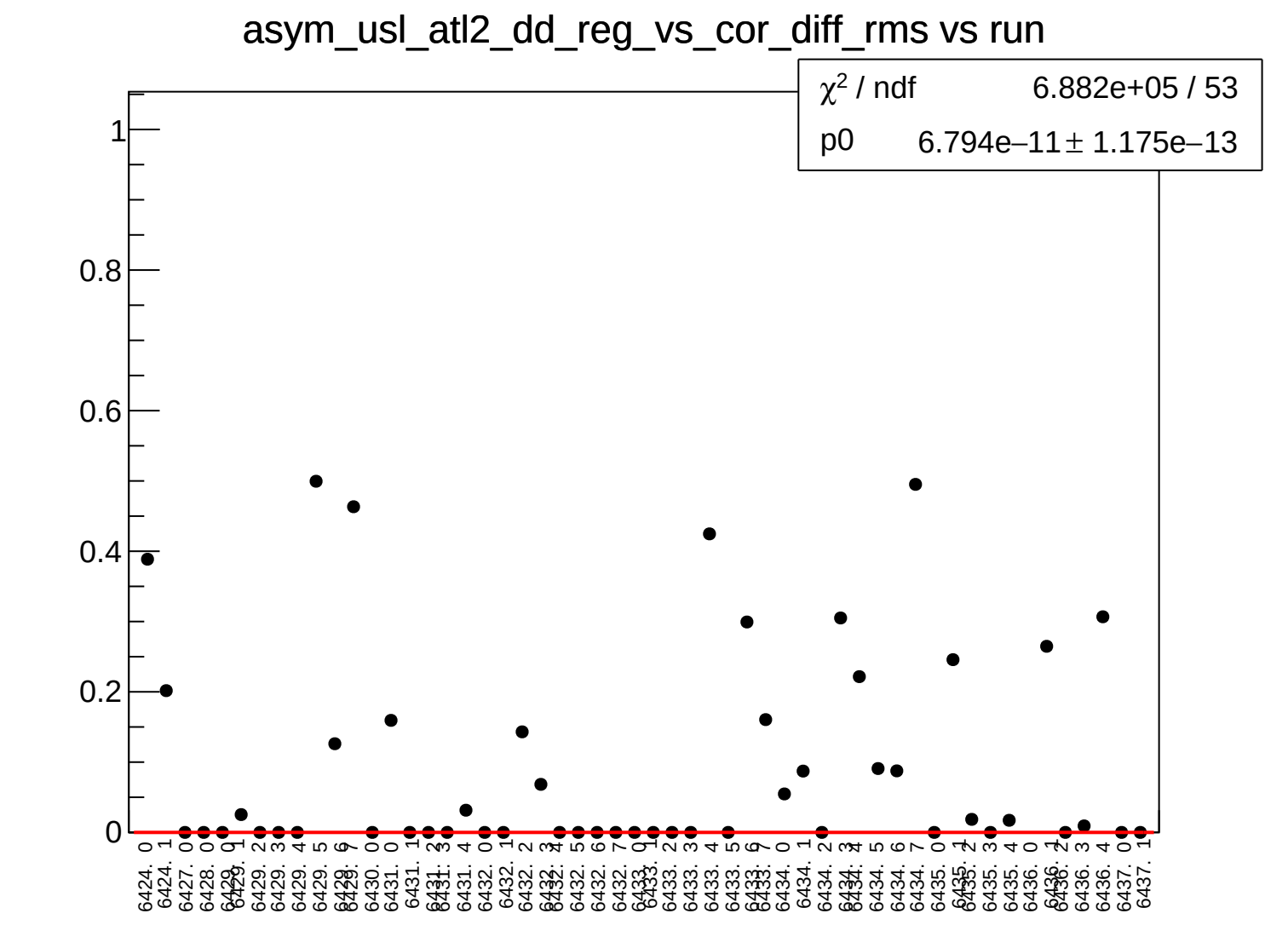

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 52.86 / 53
p0 −1449 ± 5361
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 3371
Std Dev 0
3
2
1
0
−1
−2

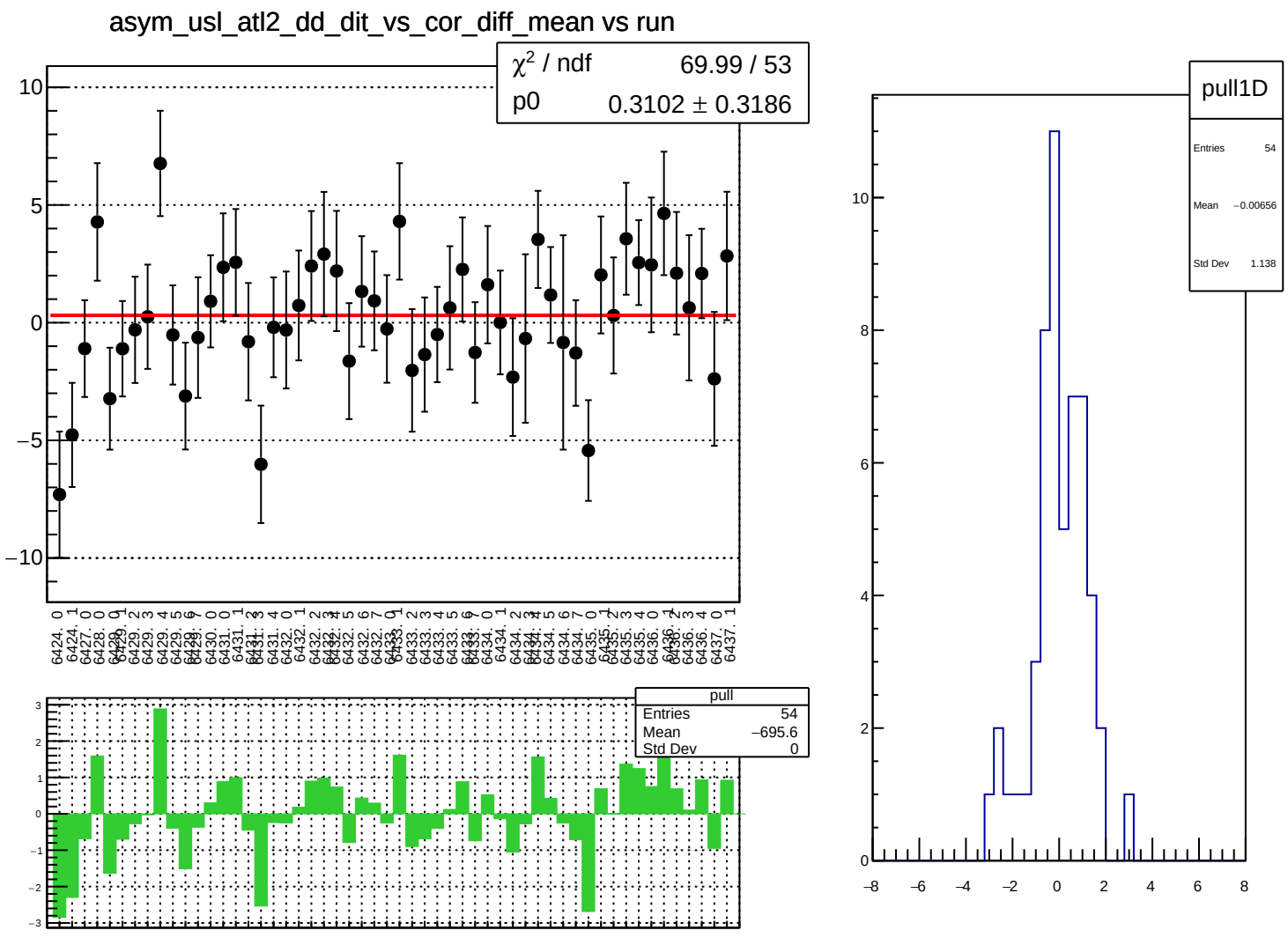

pull1D
Entries 54
Mean 0.0007206
Std Dev 0.9894
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

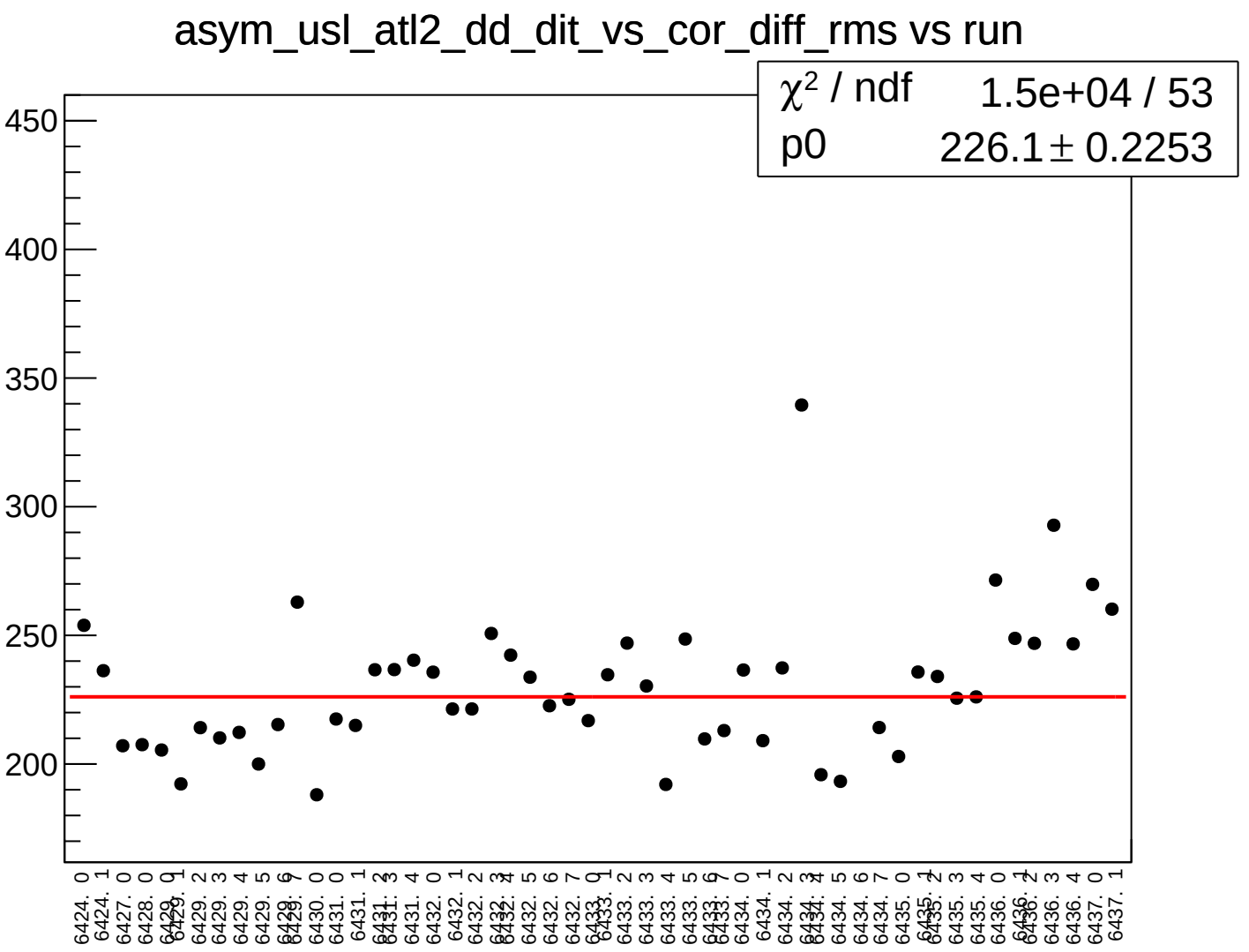

asym_usl_atl2_dd_rms vs run
χ² / ndf 2190 / 53
p0 3829 ± 3.791
4400
4200
4000
3800
3600
3400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

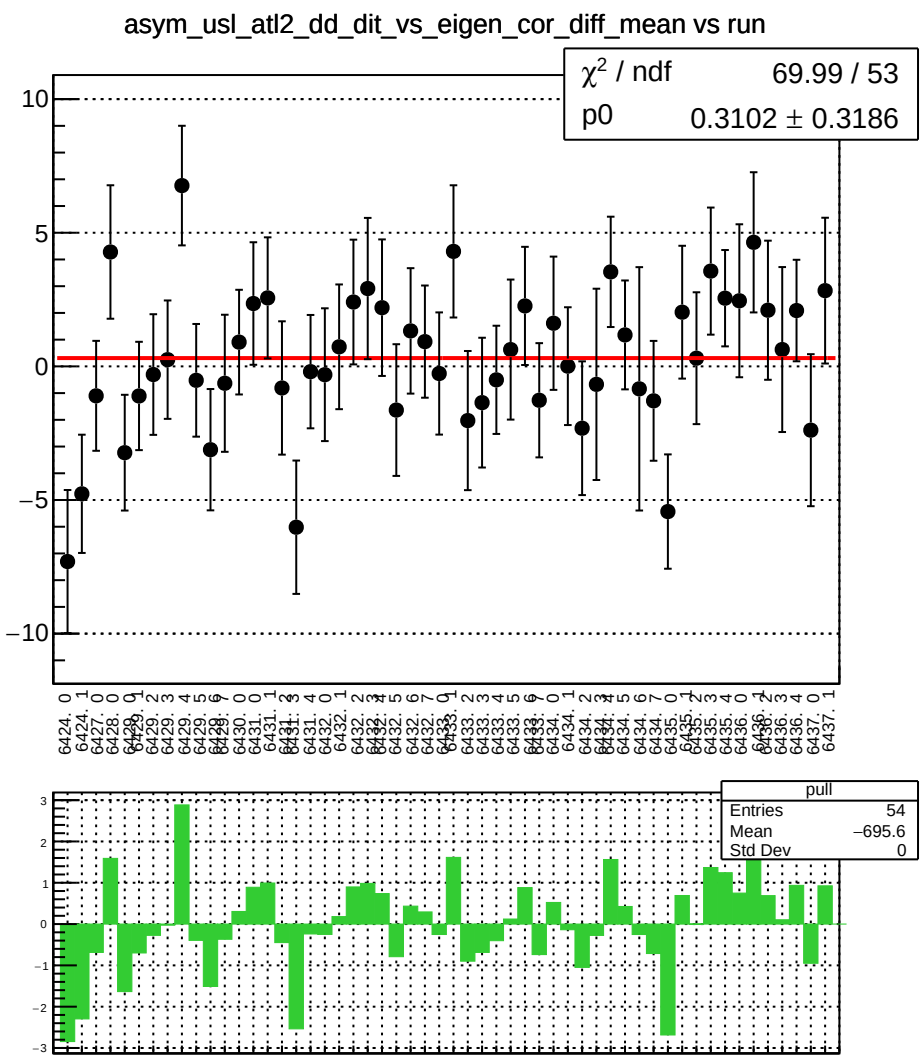

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 71.39 / 53
p0 −1.131e−13 ± 1.662e−13
0.005
0
−0.005
−0.01
−0.015
pull
Entries 54
Mean 23.39
Std Dev 34.86
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

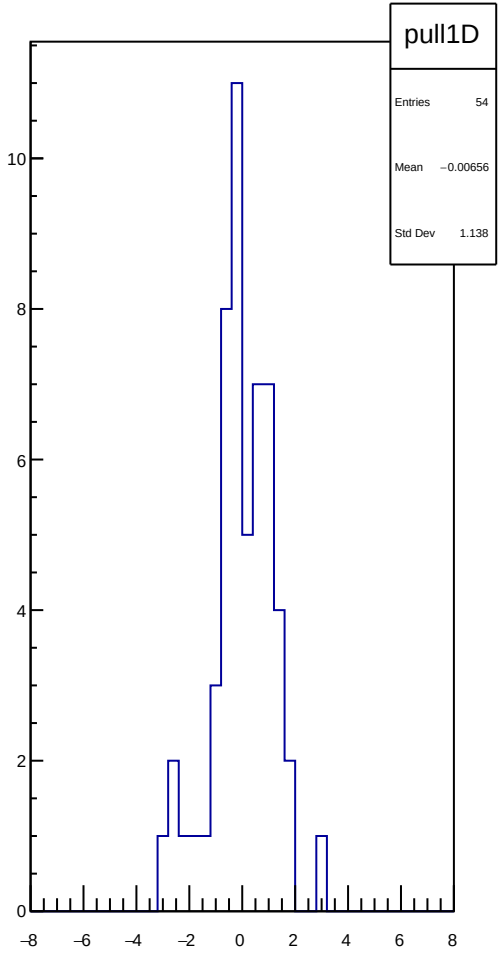

pull1D
Entries 54
Mean −0.04637
Std Dev 1.149
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

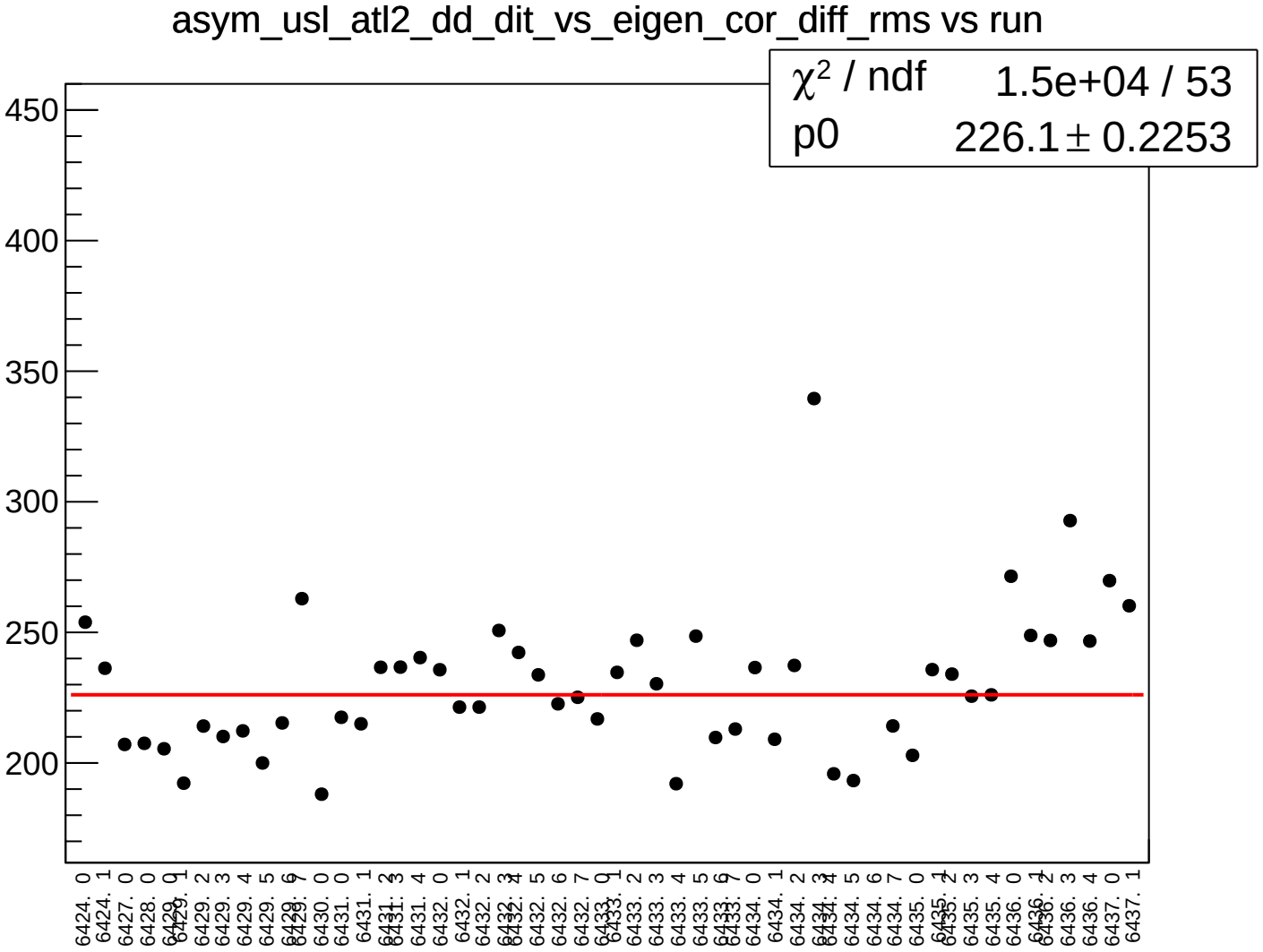

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.882e+05 / 53
p0 6.794e−11 ± 1.175e−13
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

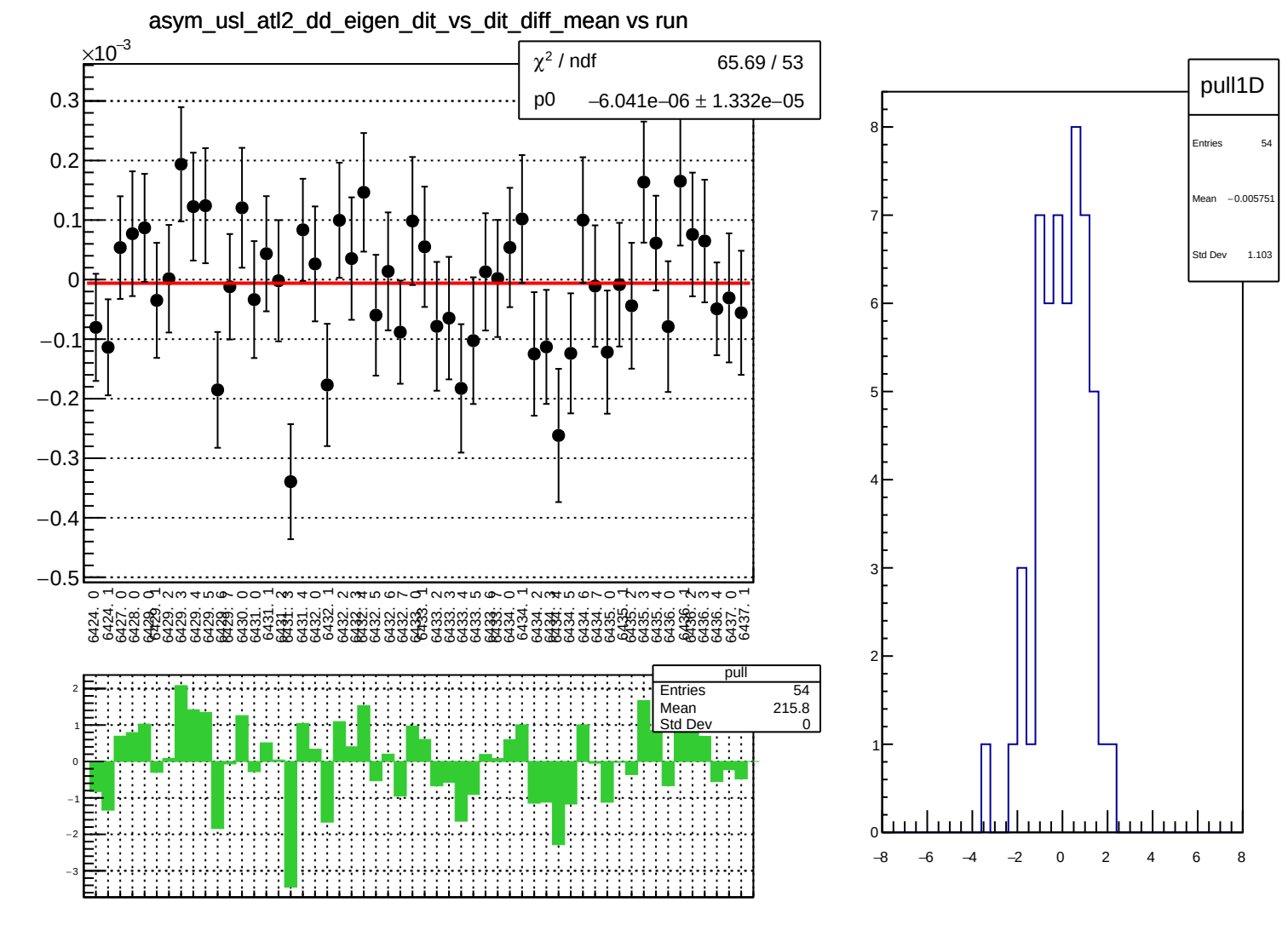

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.99 / 53
p0 0.3102 ± 0.3186
pull
Entries 54
Mean −695.6
Std Dev 0
pull1D
Entries 54
Mean −0.00656
Std Dev 1.138

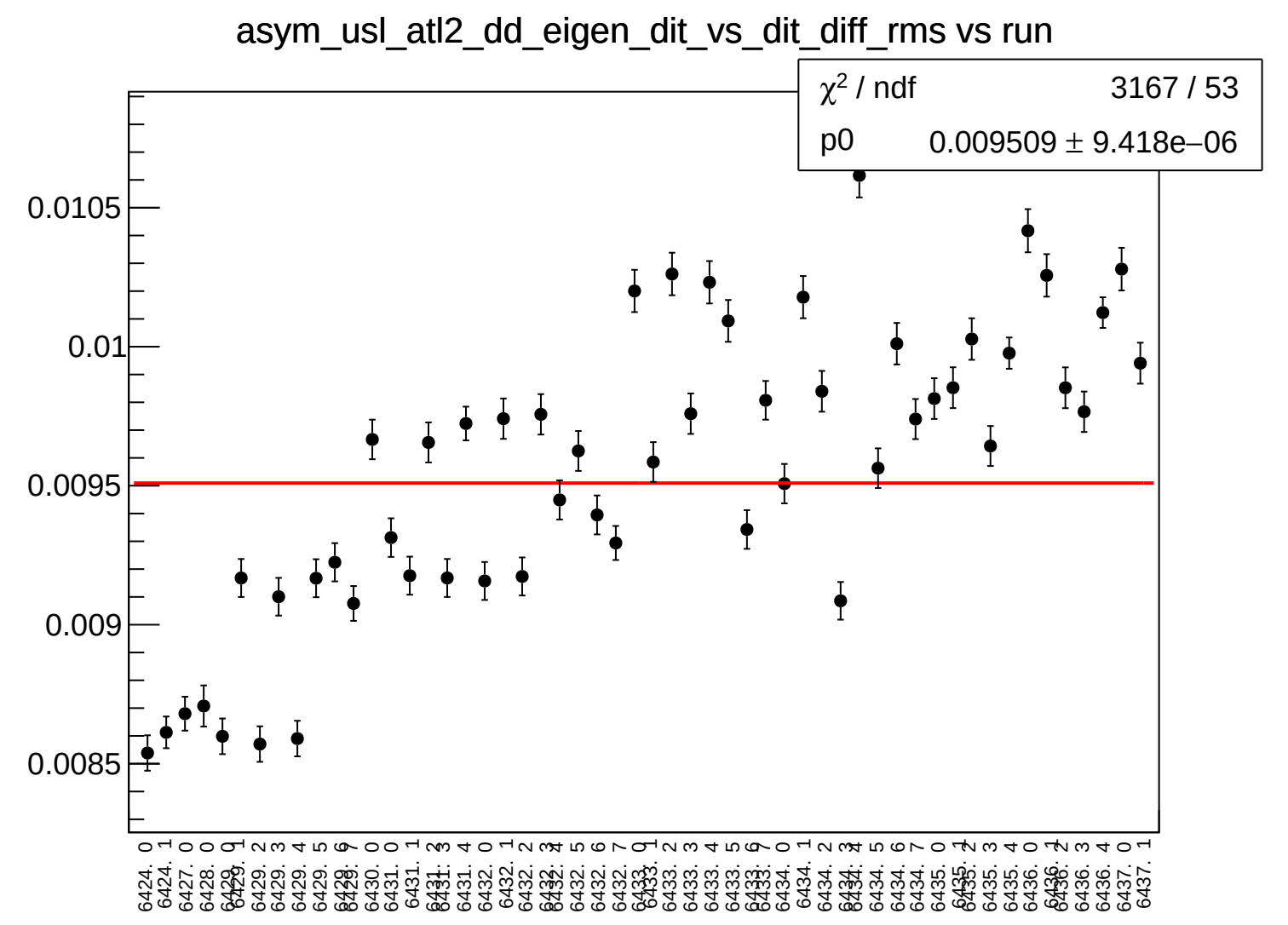

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.5e+04 / 53
p0 226.1 ± 0.2253
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

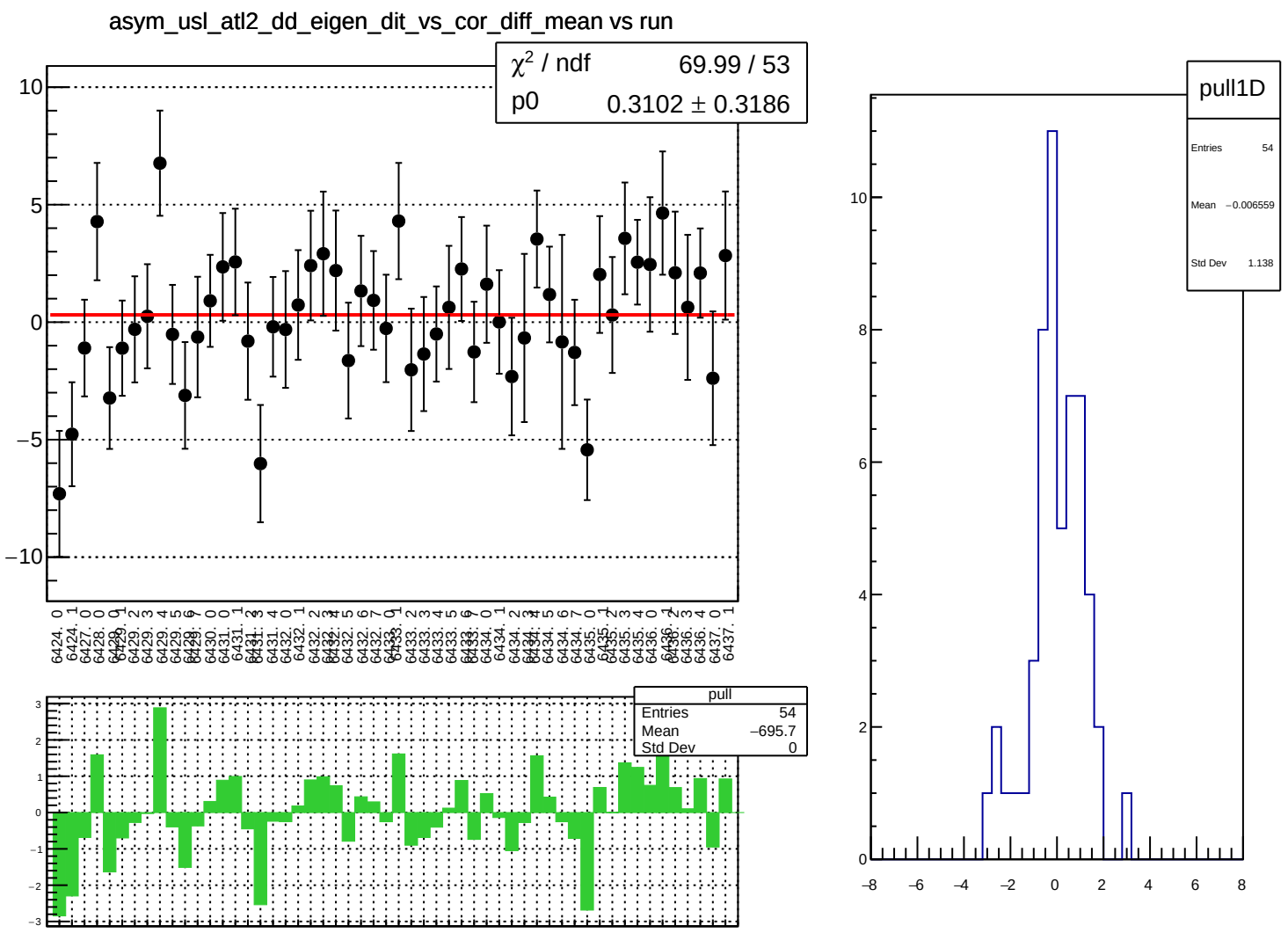

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.99 / 53
p0 0.3102 ± 0.3186
pull
Entries 54
Mean −695.6
Std Dev 0

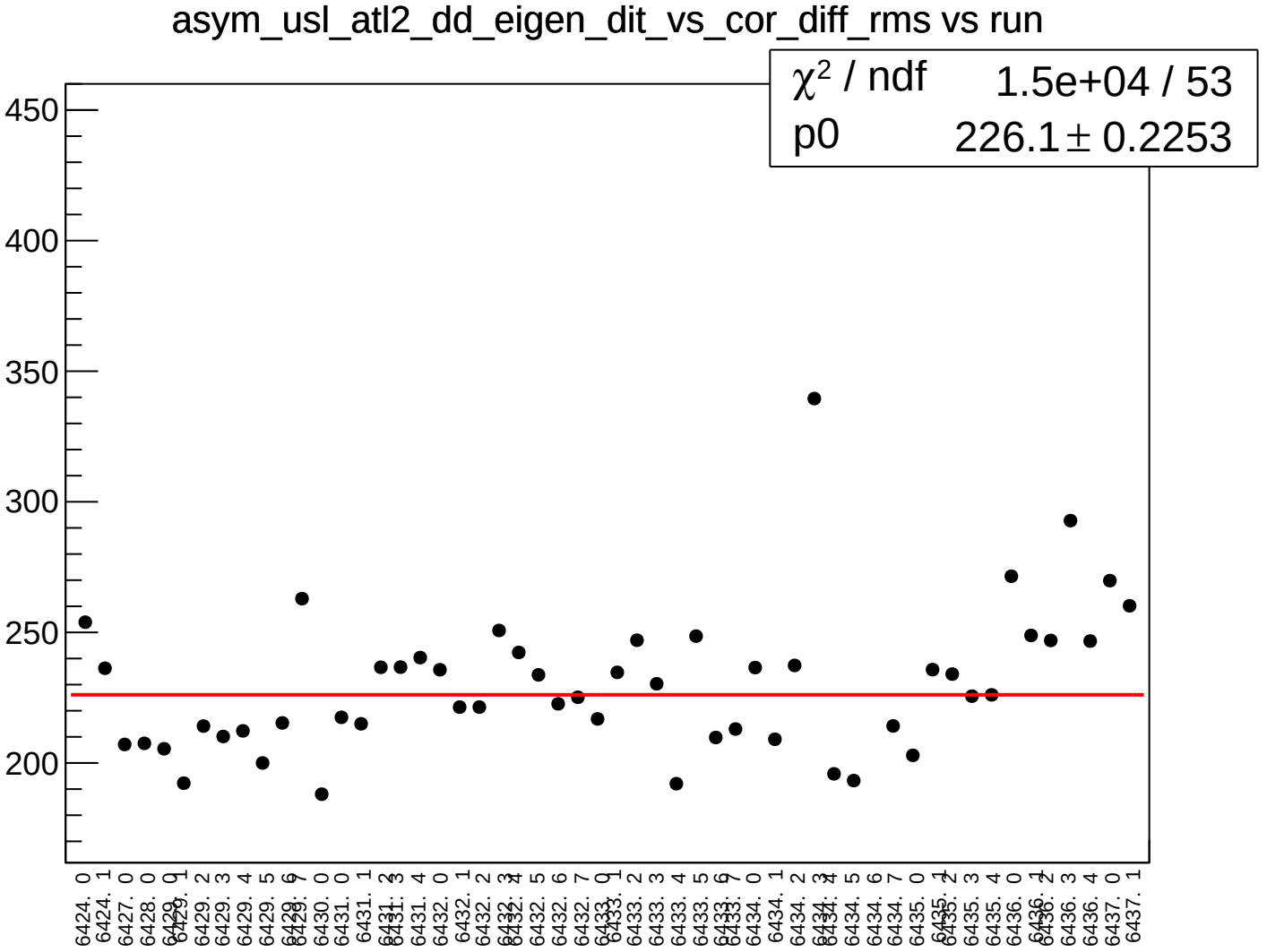

pull1D
Entries 54
Mean −0.00656
Std Dev 1.138

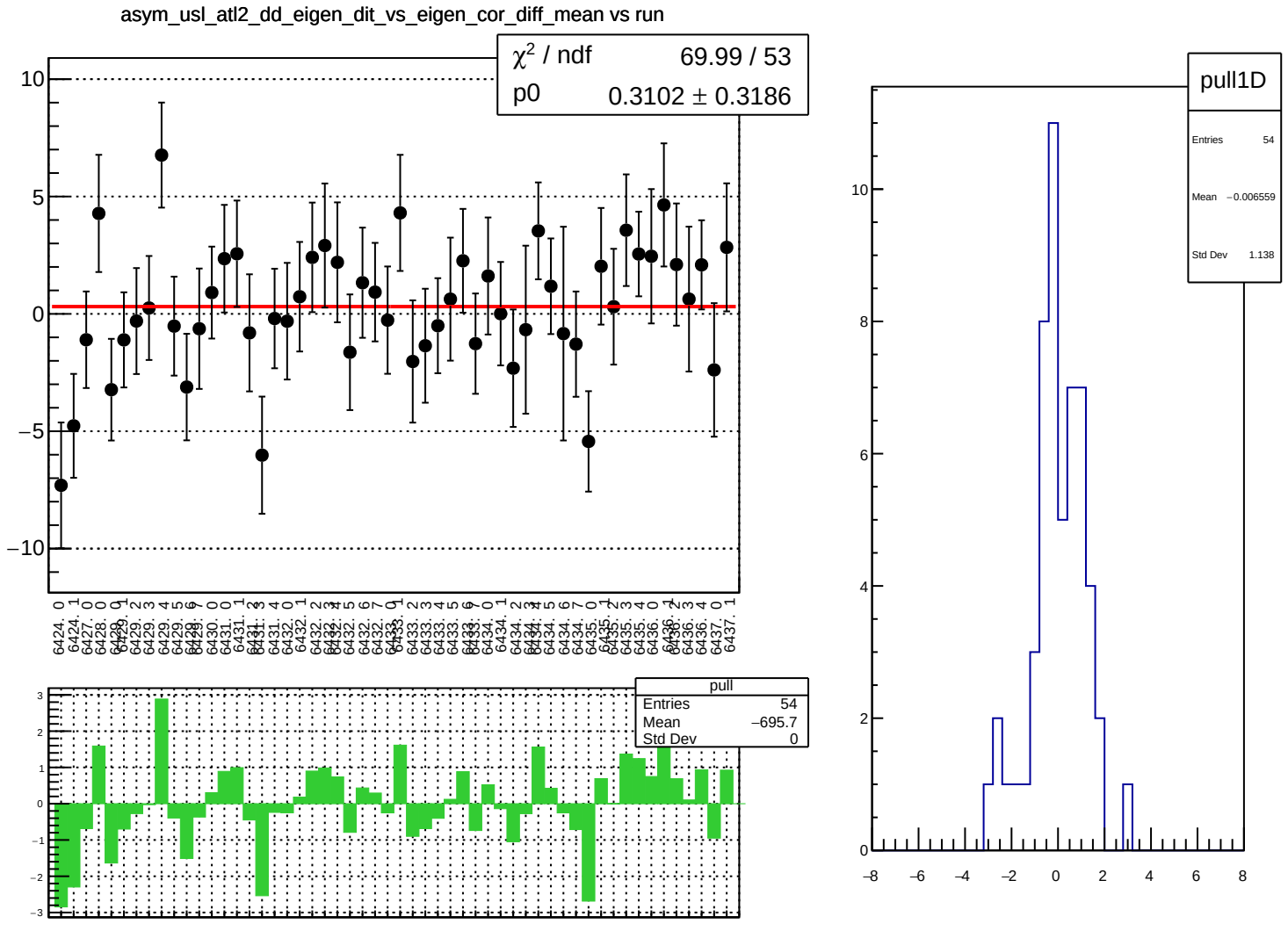

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.5e+04 / 53
p0 226.1 ± 0.2253
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

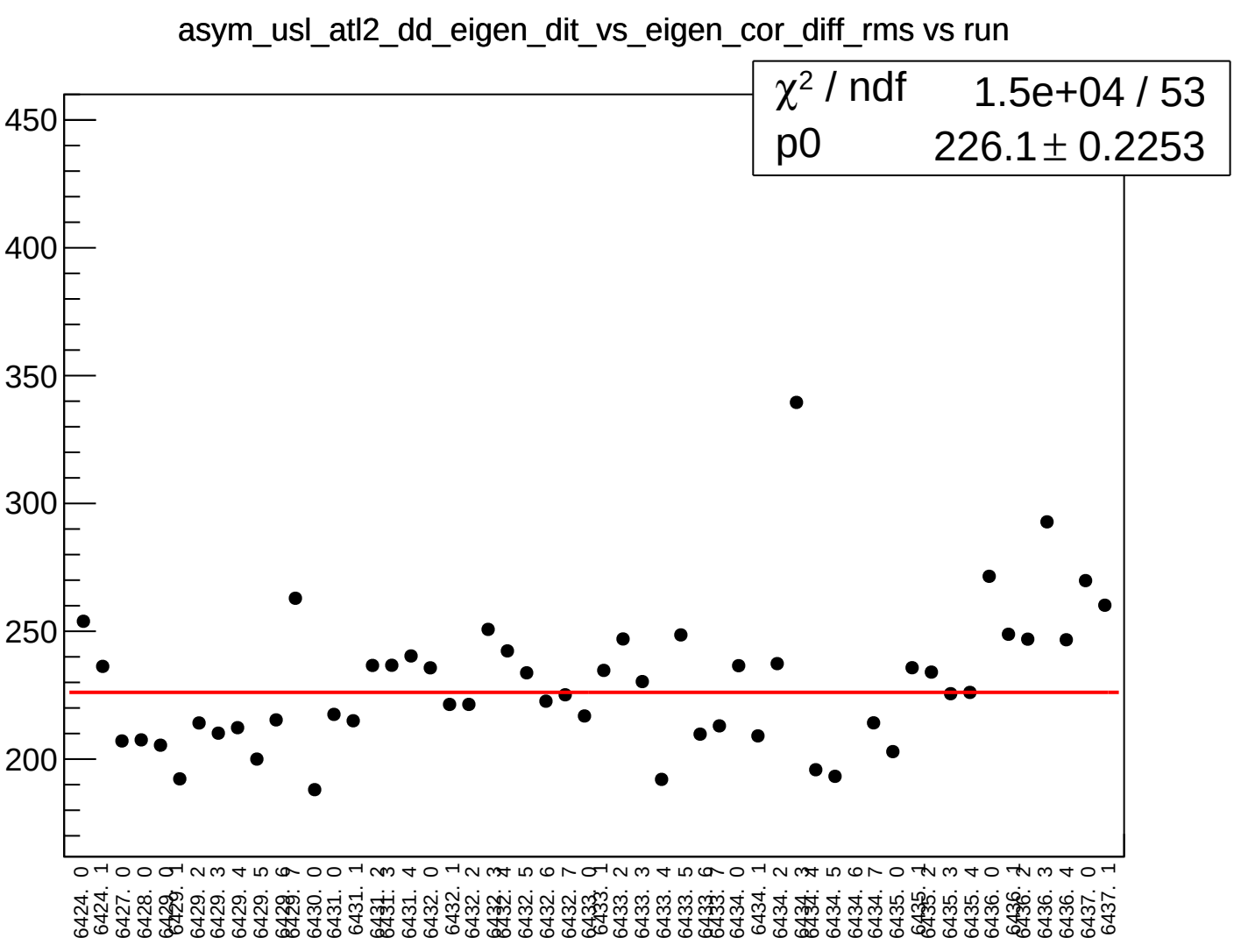

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 65.69 / 53
p0 −6.041e−06 ± 1.332e−05
pull
Entries 54
Mean 215.8
Std Dev 0
pull1D
Entries 54
Mean −0.005751
Std Dev 1.103

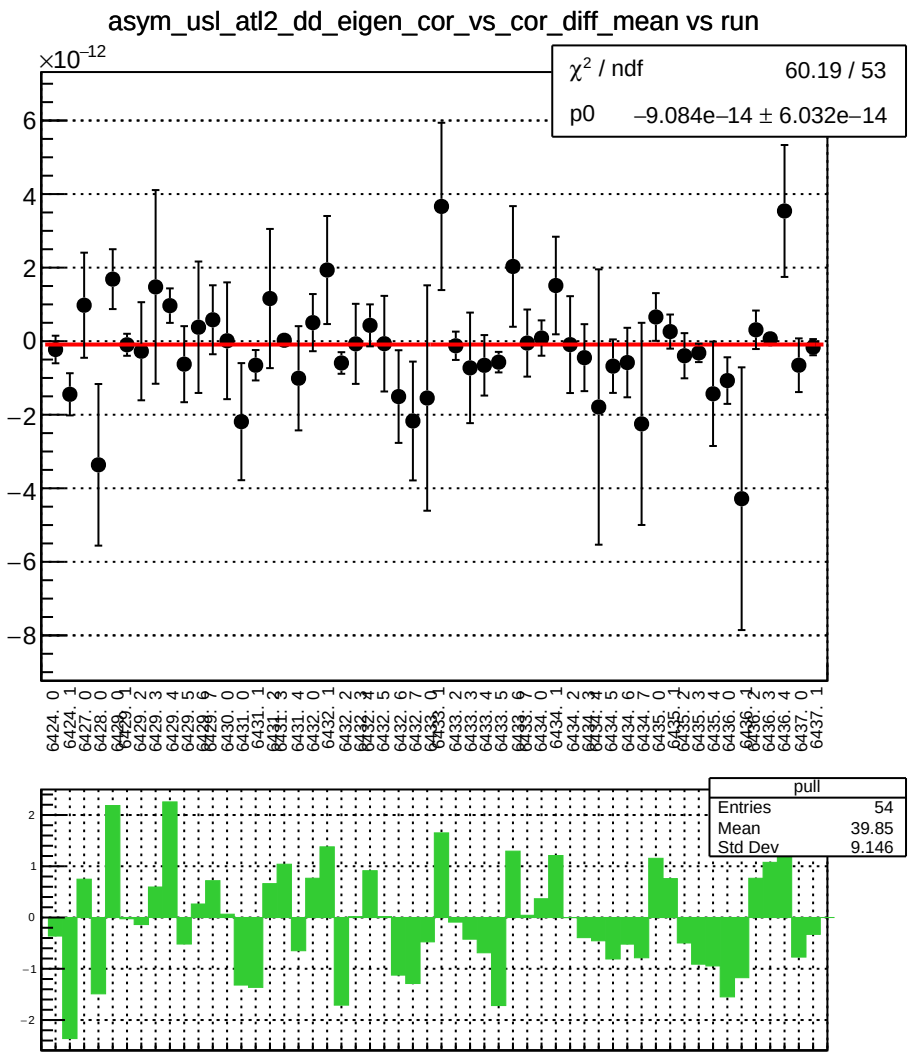

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3167 / 53
p0 0.009509 ± 9.418e−06
0.0105
0.01
0.0095
0.009
0.0085
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

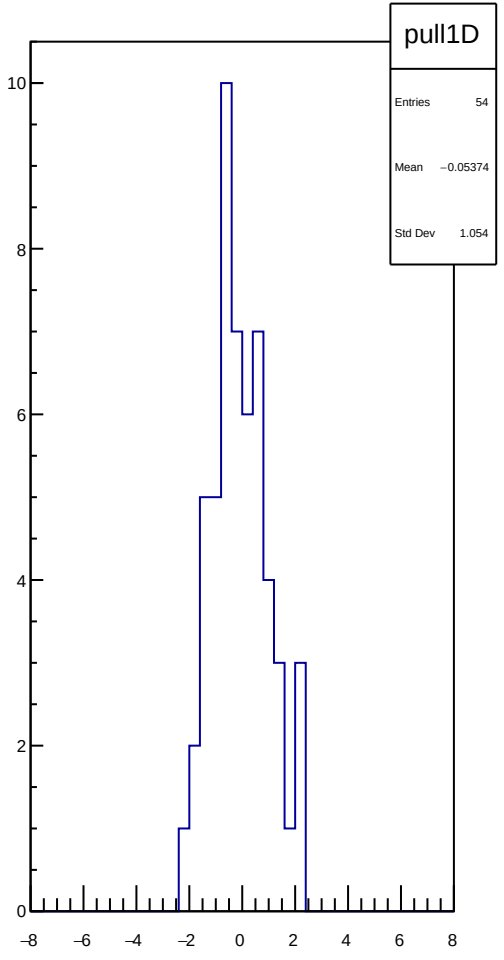

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.99 / 53
p0 0.3102 ± 0.3186
pull
Entries 54
Mean −695.7
Std Dev 0
pull1D
Entries 54
Mean −0.006559
Std Dev 1.138

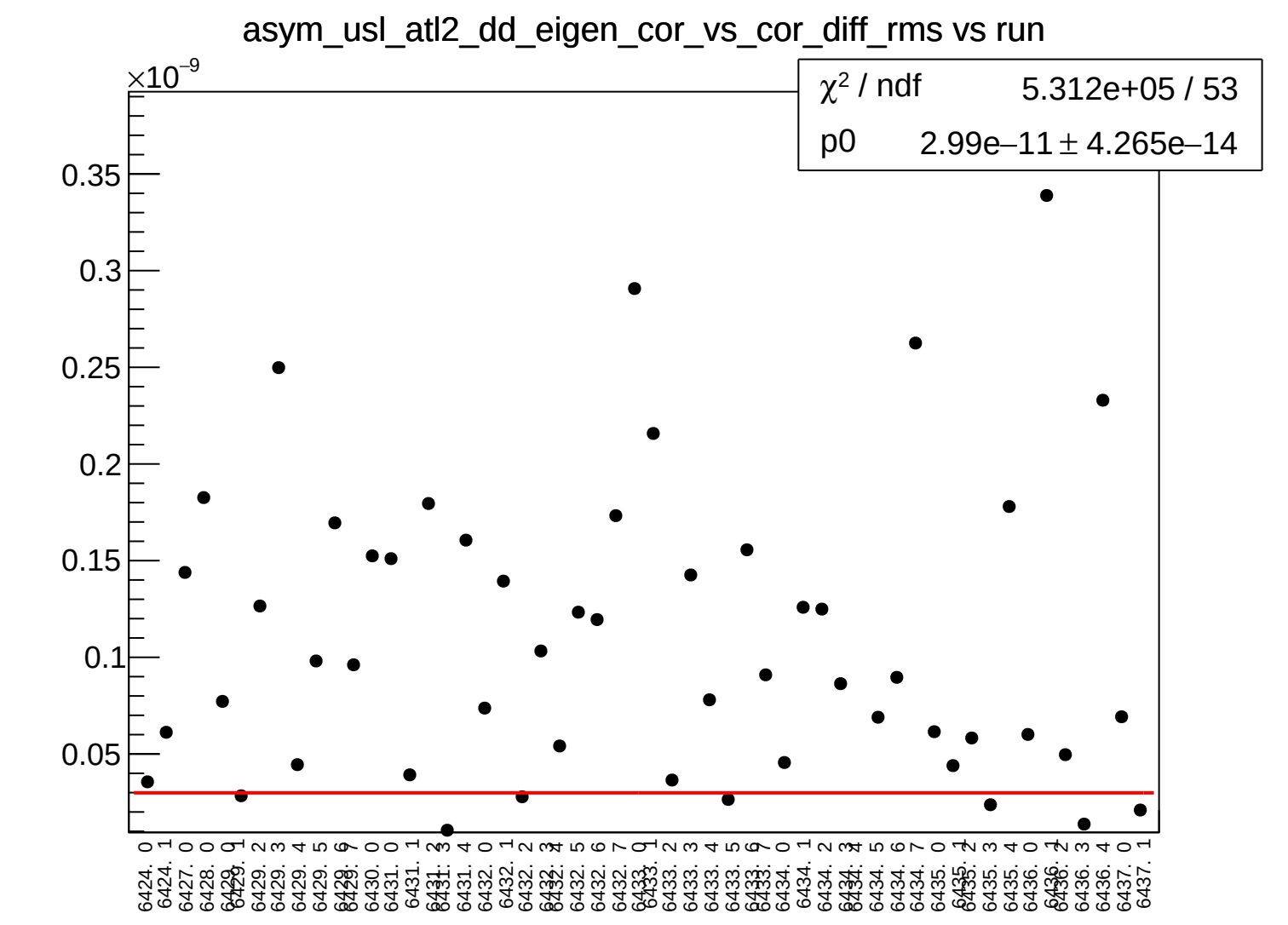

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.5e+04 / 53
p0 226.1 ± 0.2253
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.99 / 53
p0 0.3102 ± 0.3186
pull
Entries 54
Mean −695.7
Std Dev 0
pull1D
Entries 54
Mean −0.006559
Std Dev 1.138


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.5e+04 / 53
p0 226.1 ± 0.2253
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.19 / 53
p0 −9.084e−14 ± 6.032e−14
pull
Entries 54
Mean 39.85
Std Dev 9.146


pull1D
Entries 54
Mean −0.05374
Std Dev 1.054


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.312e+05 / 53
p0 2.99e−11 ± 4.265e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
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6432. 5
6432. 6
6432. 7
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6433. 1
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6433. 3
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6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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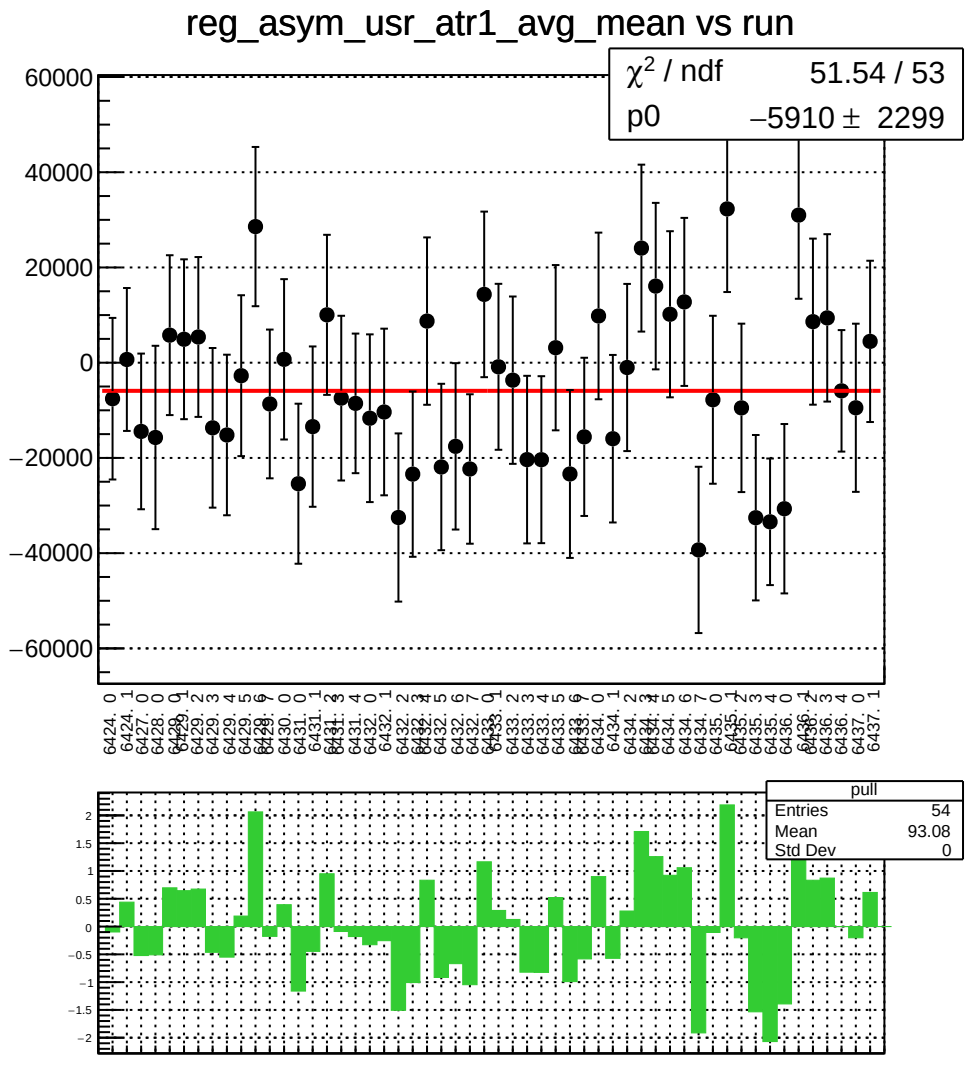
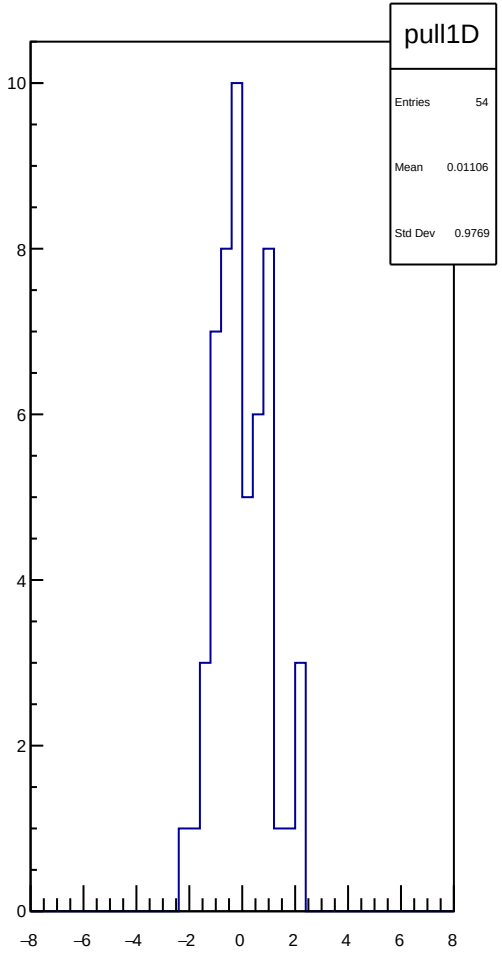
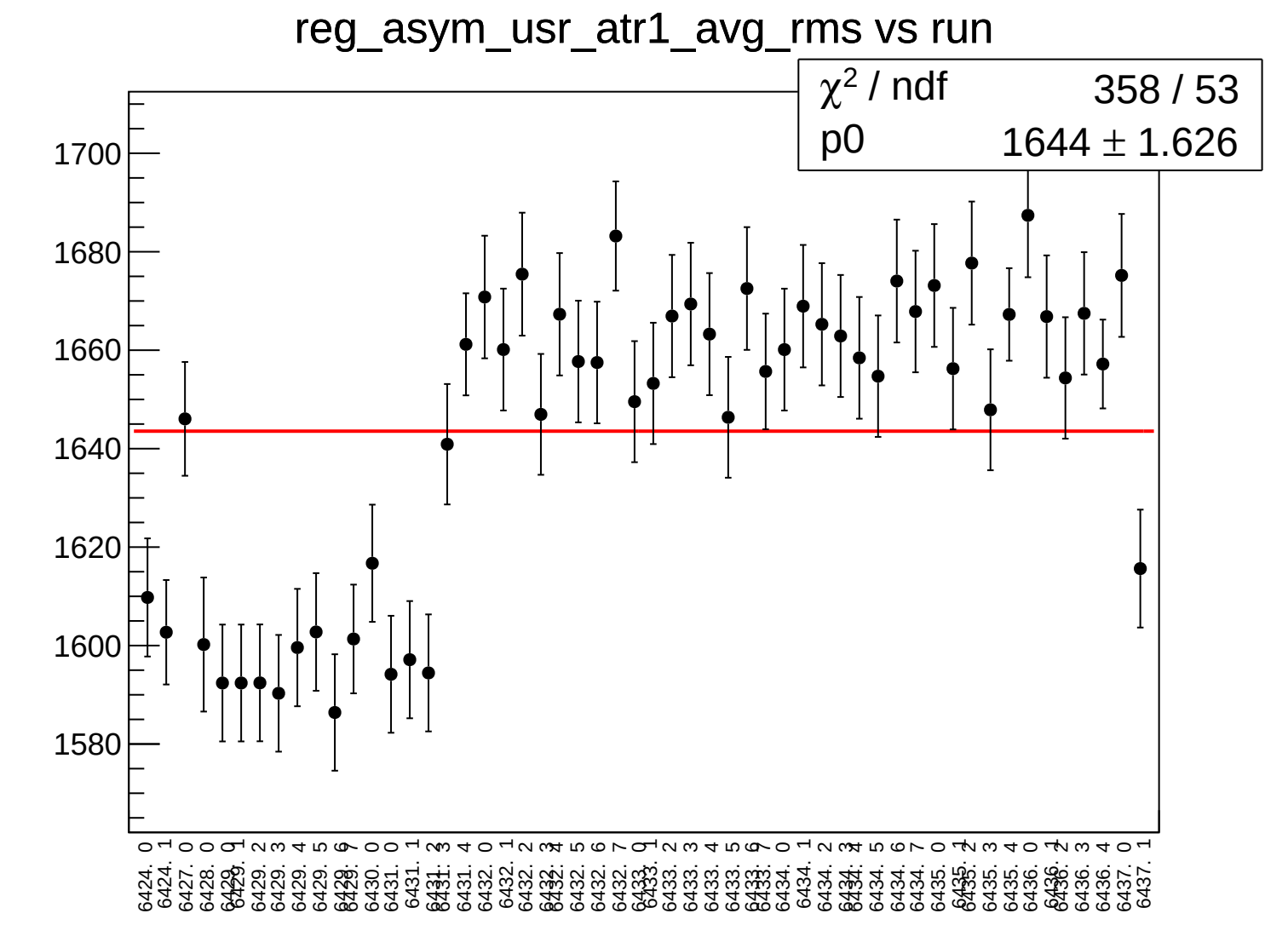
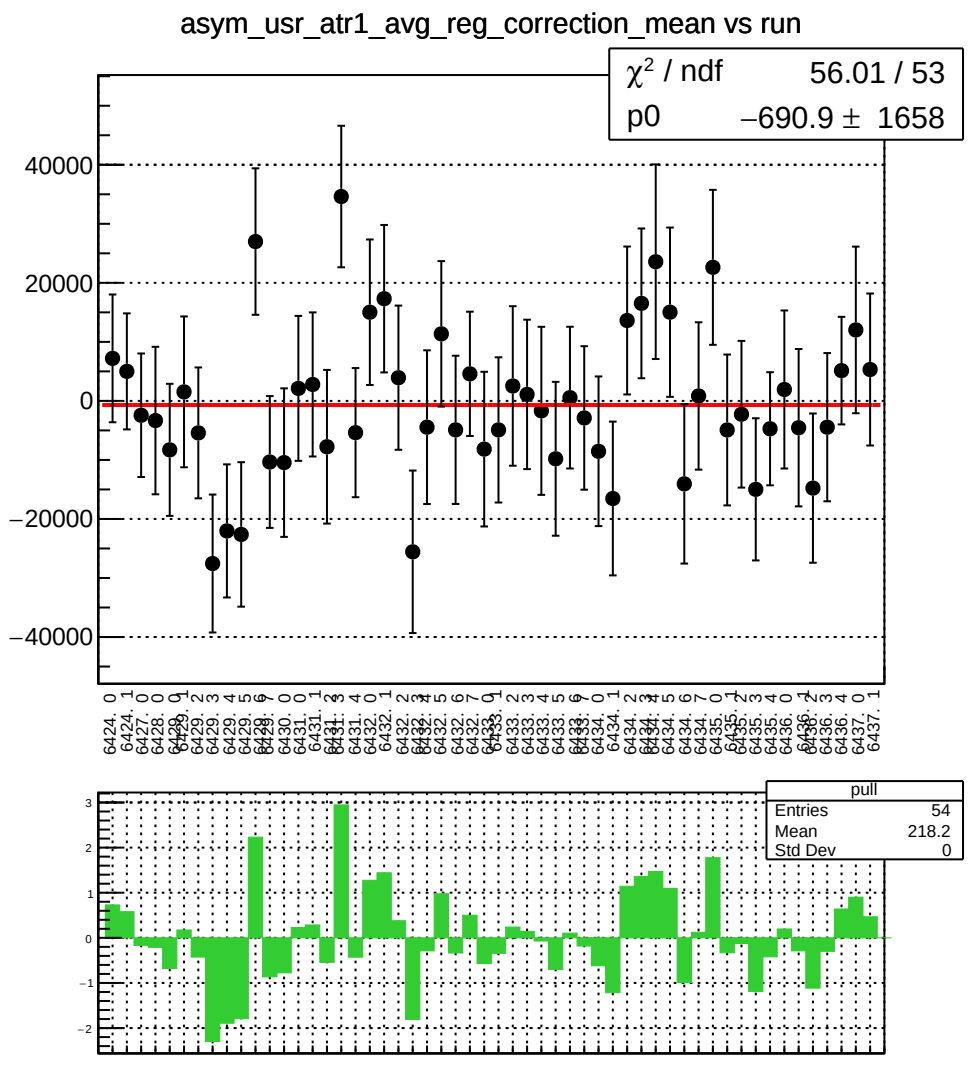
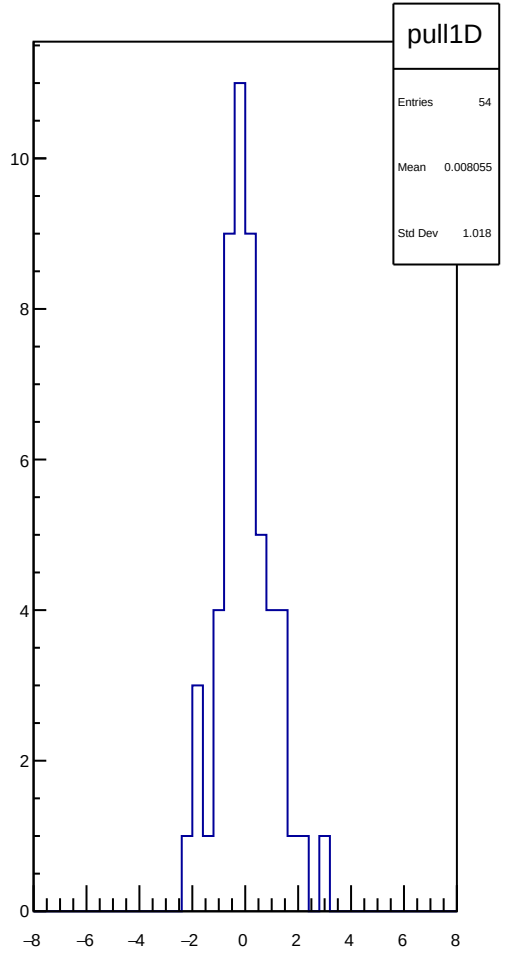
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

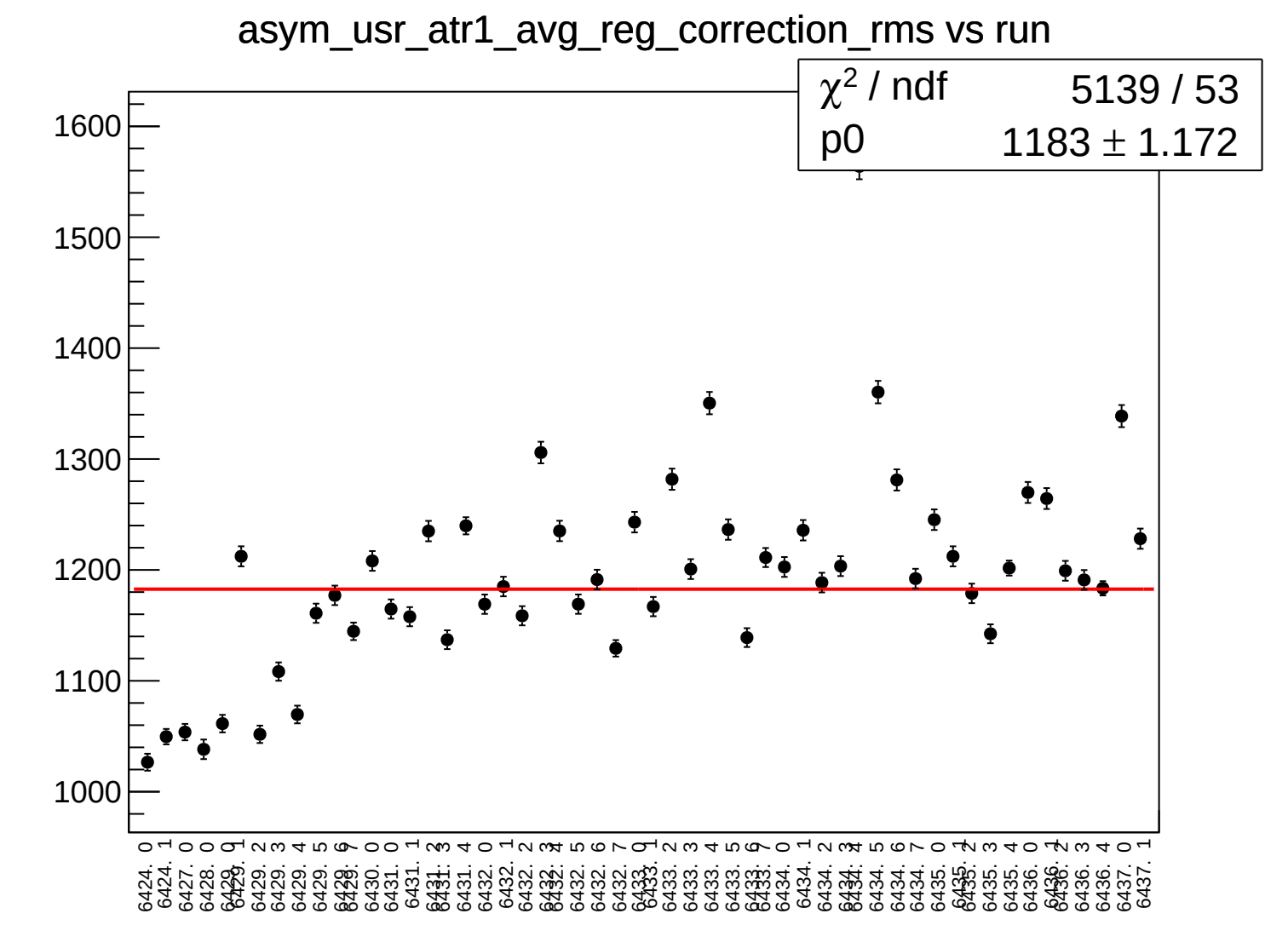

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 51.54 / 53
p0 −5910 ± 2299
pull
Entries 54
Mean 93.08
Std Dev 0

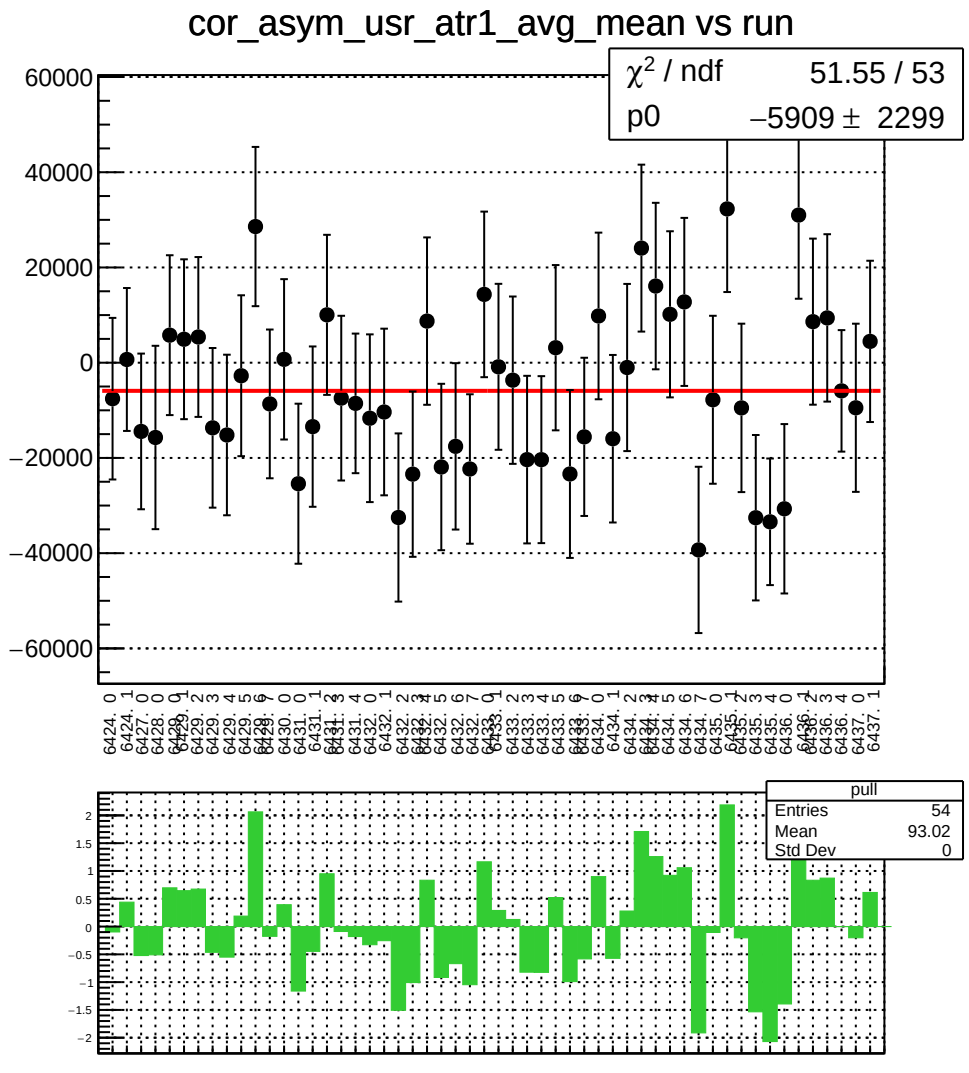

pull1D
Entries 54
Mean 0.01106
Std Dev 0.9769

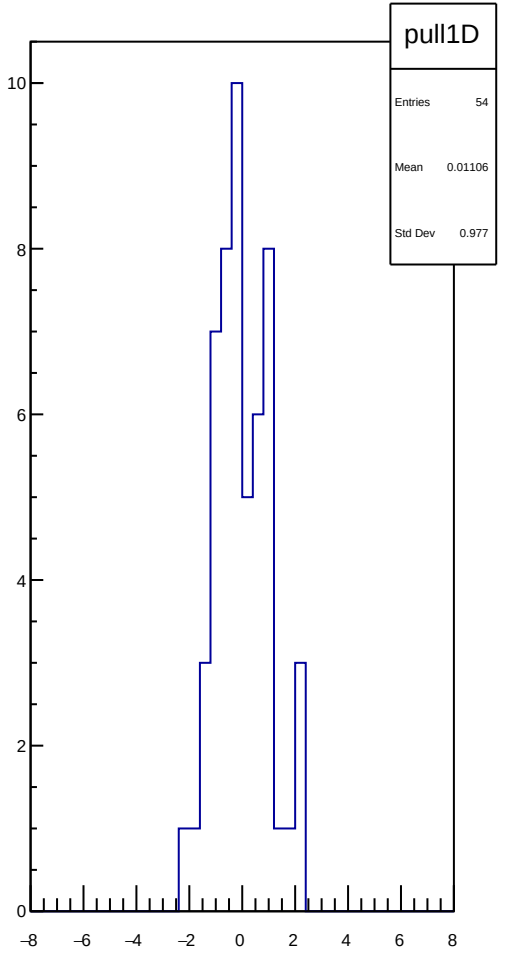

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 358 / 53
p0 1644 ± 1.626
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

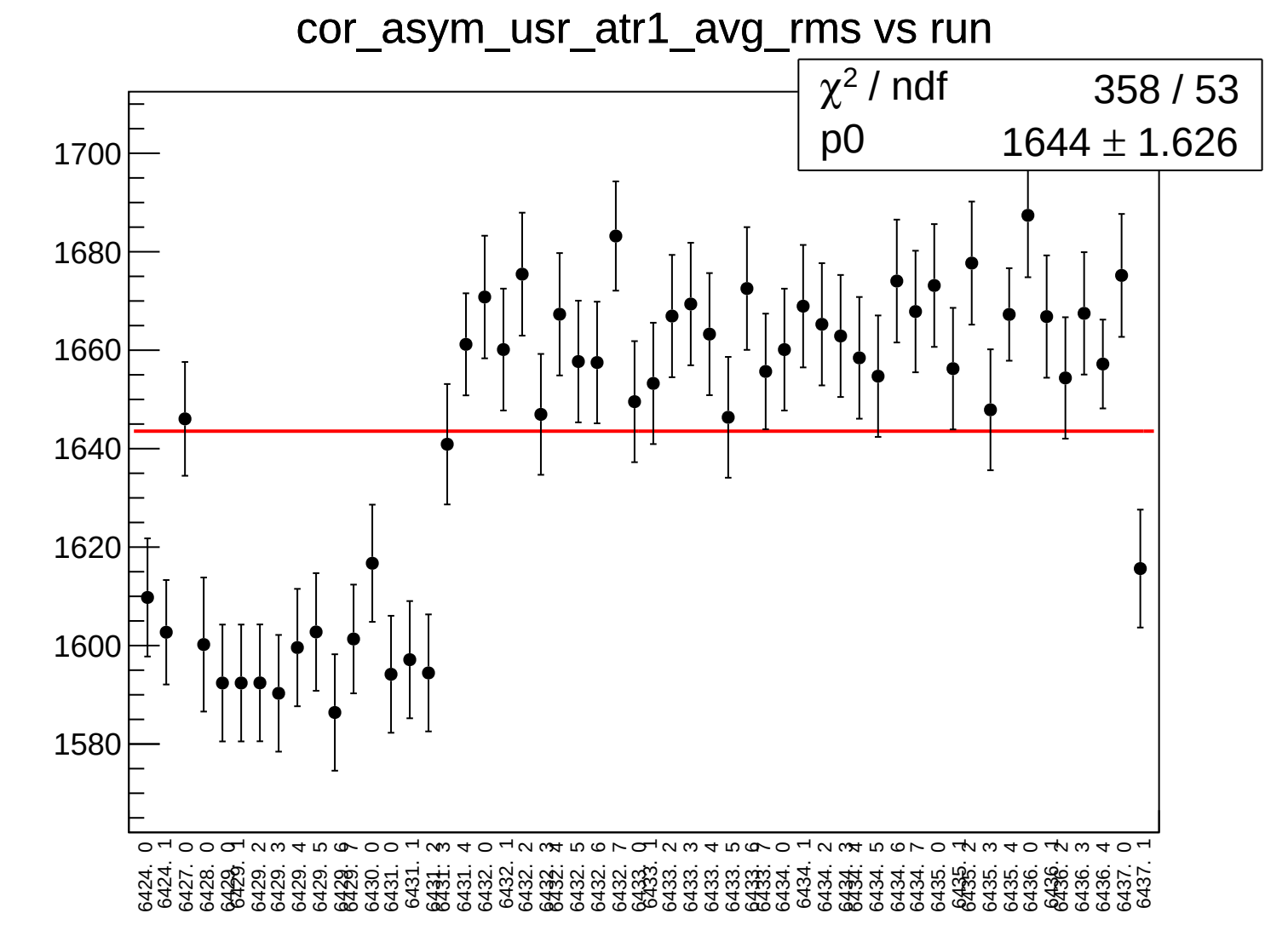

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 56.01 / 53
p0 −690.9 ± 1658
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 218.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008055
Std Dev 1.018
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 5139 / 53
p0 1183 ± 1.172
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 51.55 / 53
p0 −5909 ± 2299
pull
Entries 54
Mean 93.02
Std Dev 0


pull1D
Entries 54
Mean 0.01106
Std Dev 0.977


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 358 / 53
p0 1644 ± 1.626
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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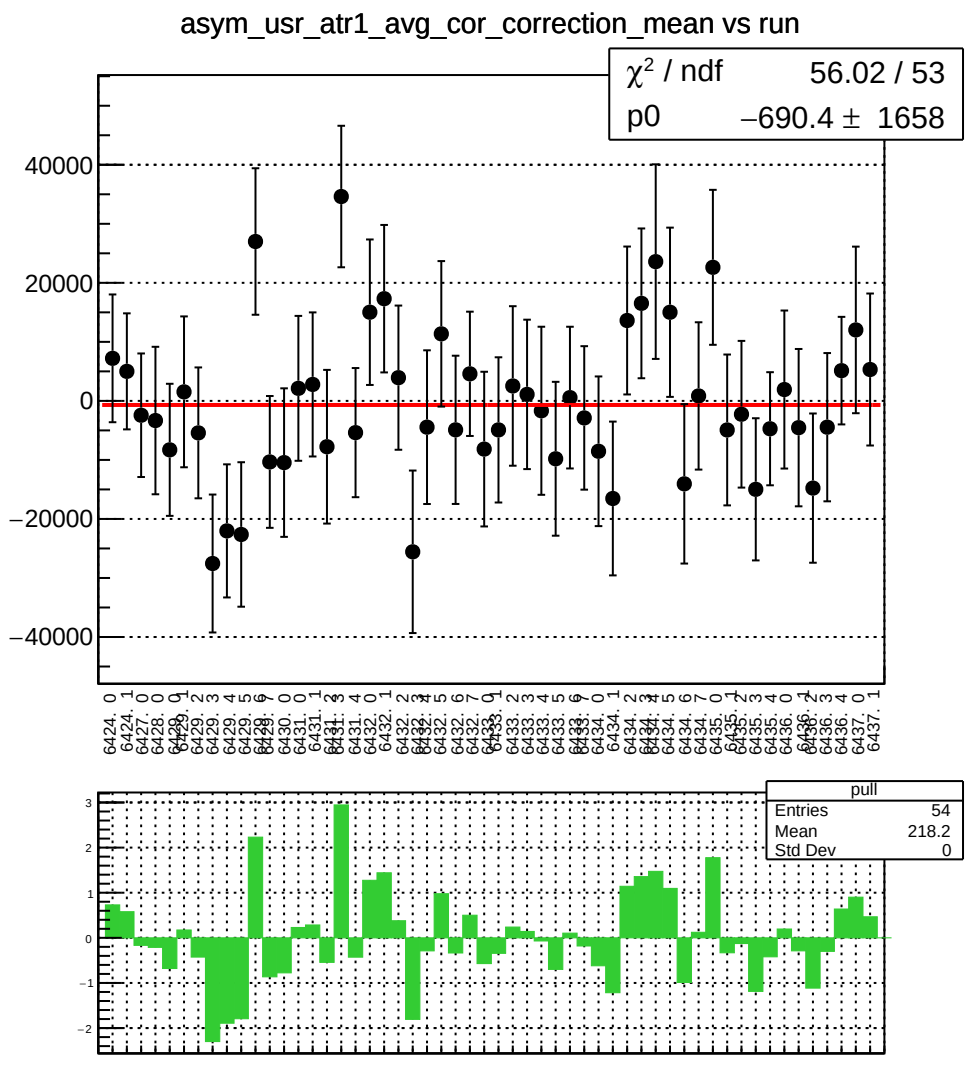
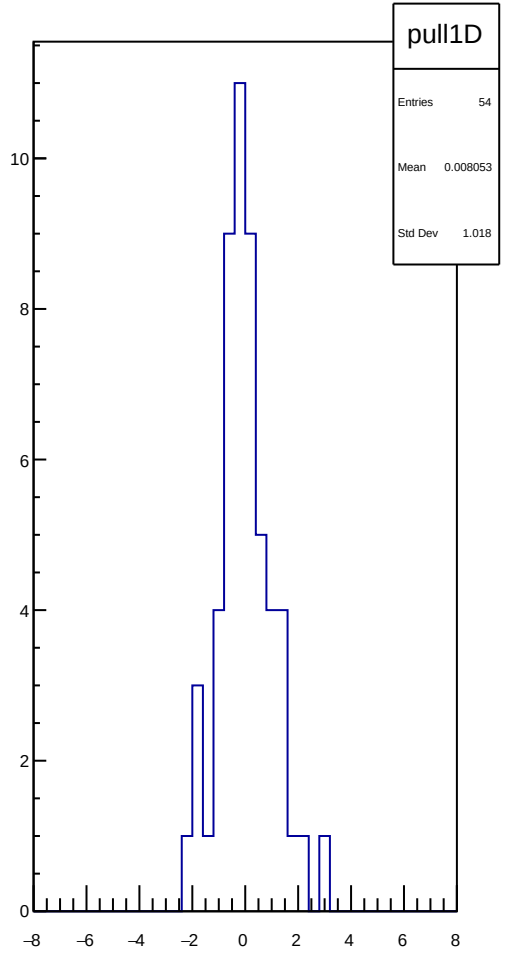
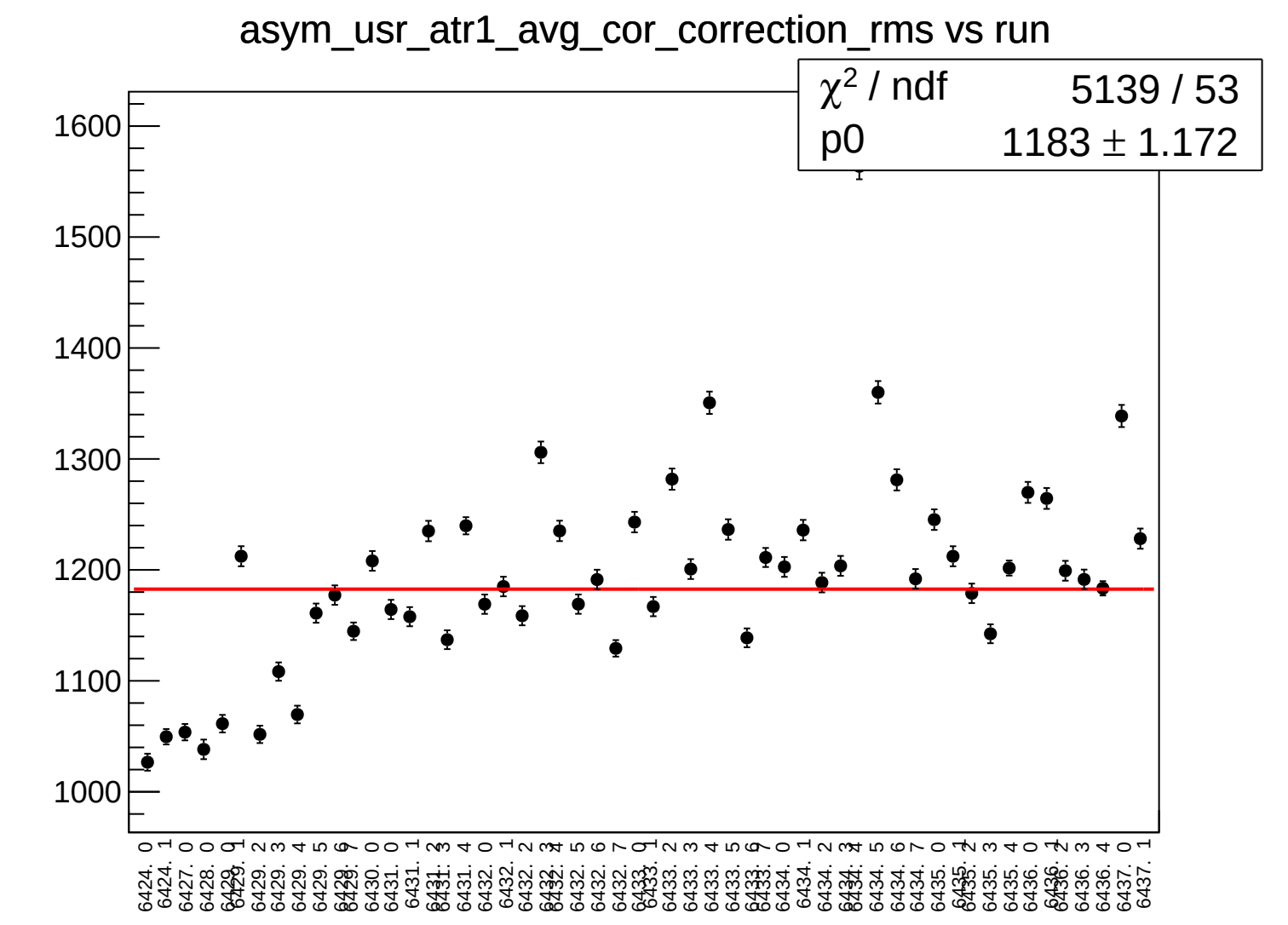
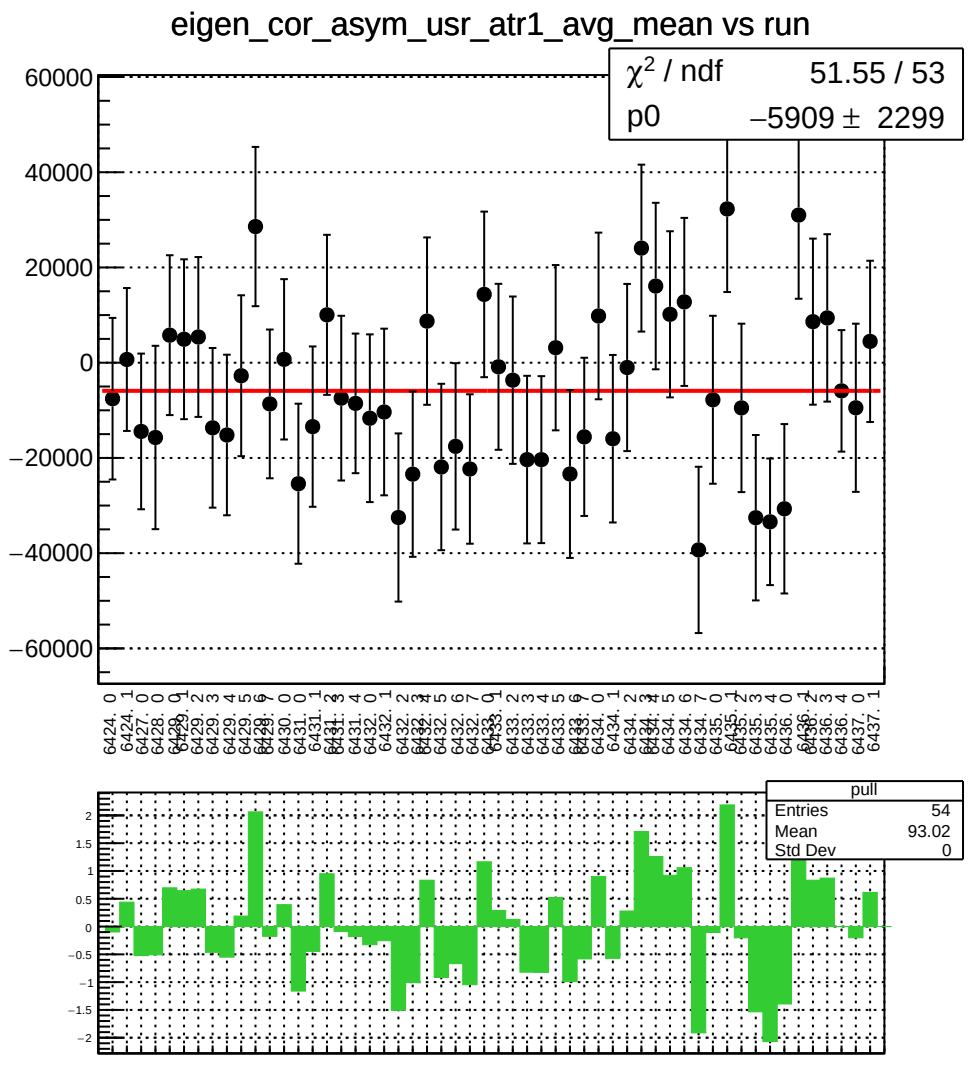
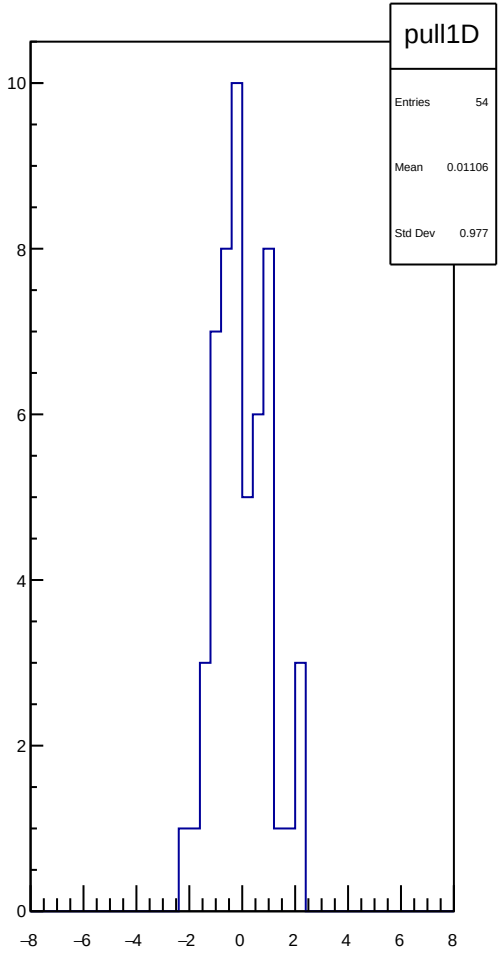
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

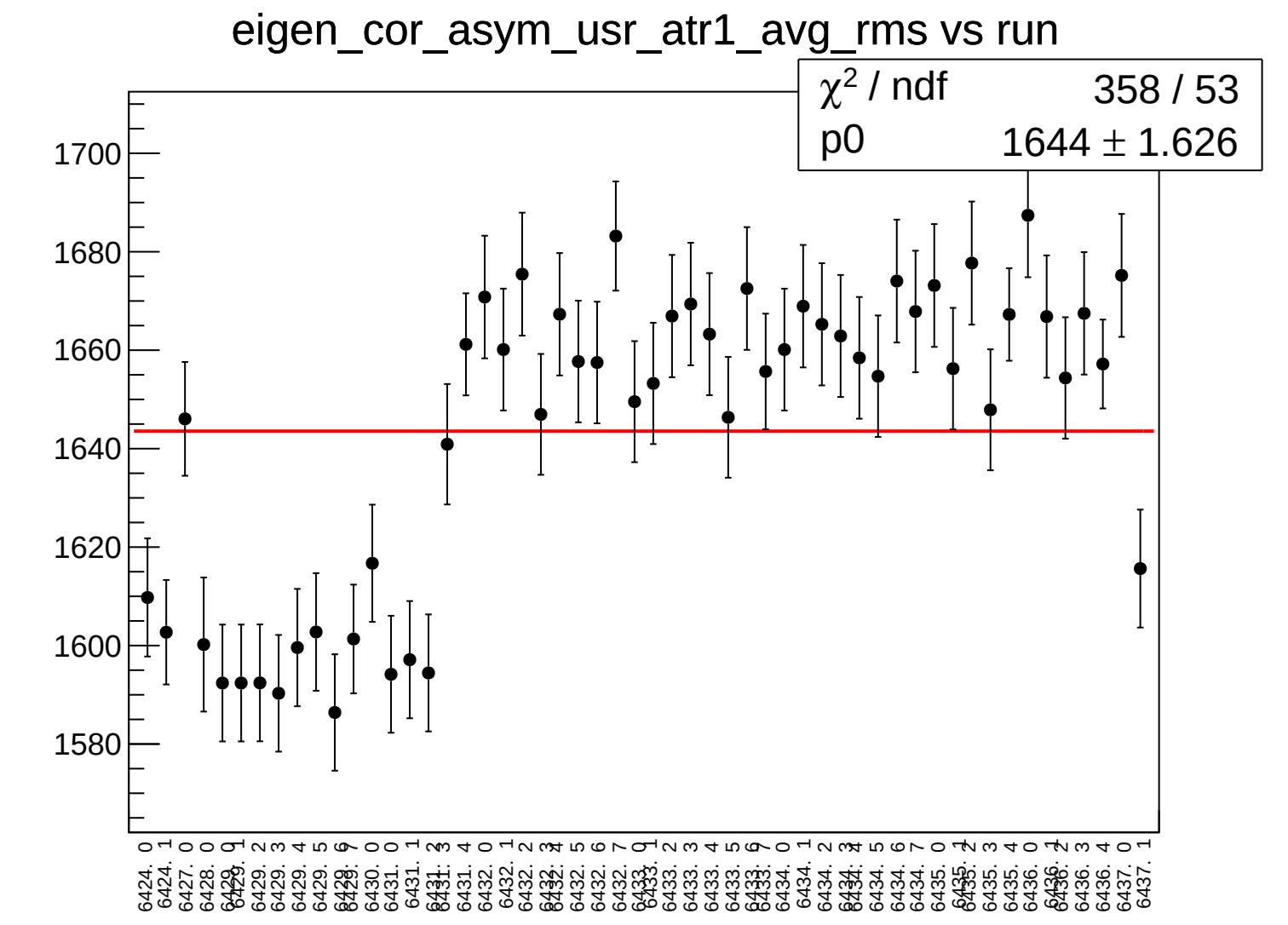

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 56.02 / 53
p0 −690.4 ± 1658
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 218.2
Std Dev 0
3
2
1
0
−1
−2

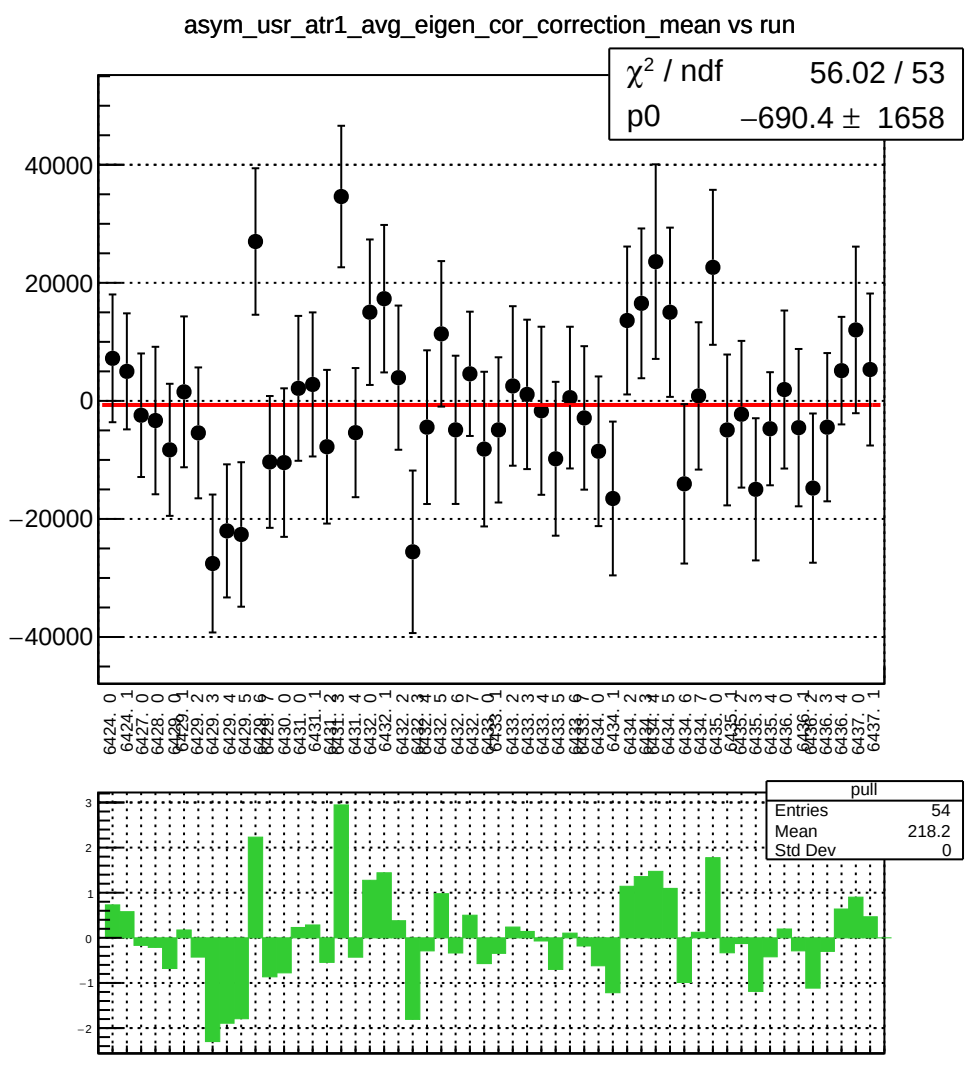

pull1D
Entries 54
Mean 0.008053
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

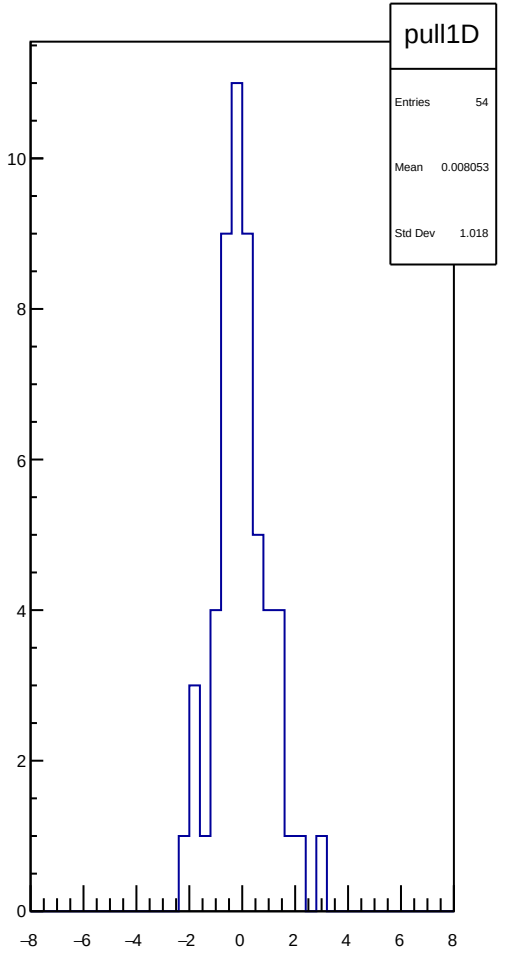

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5139 / 53
p0 1183 ± 1.172
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

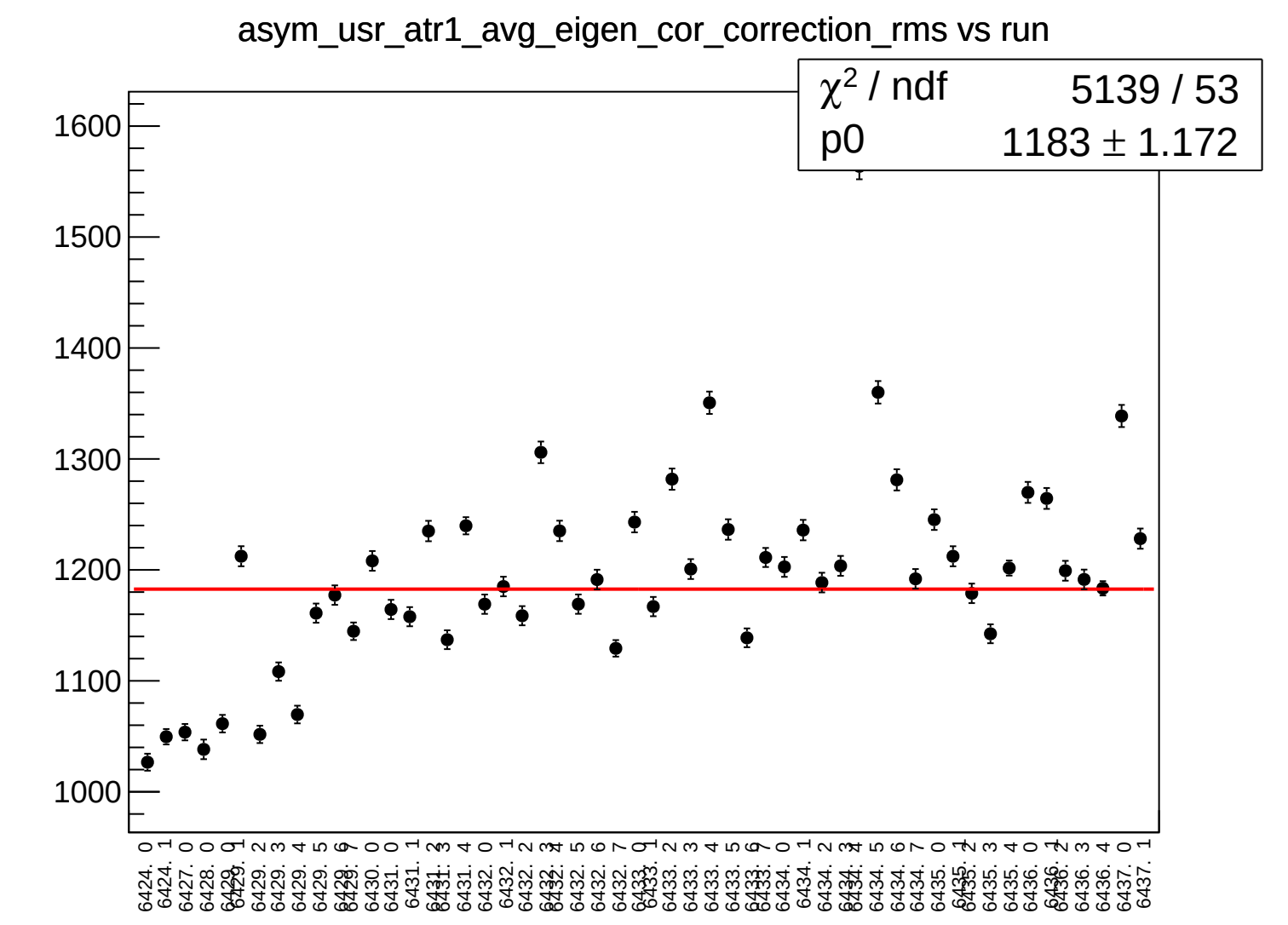

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 51.55 / 53
p0 −5909 ± 2299
pull
Entries 54
Mean 93.02
Std Dev 0

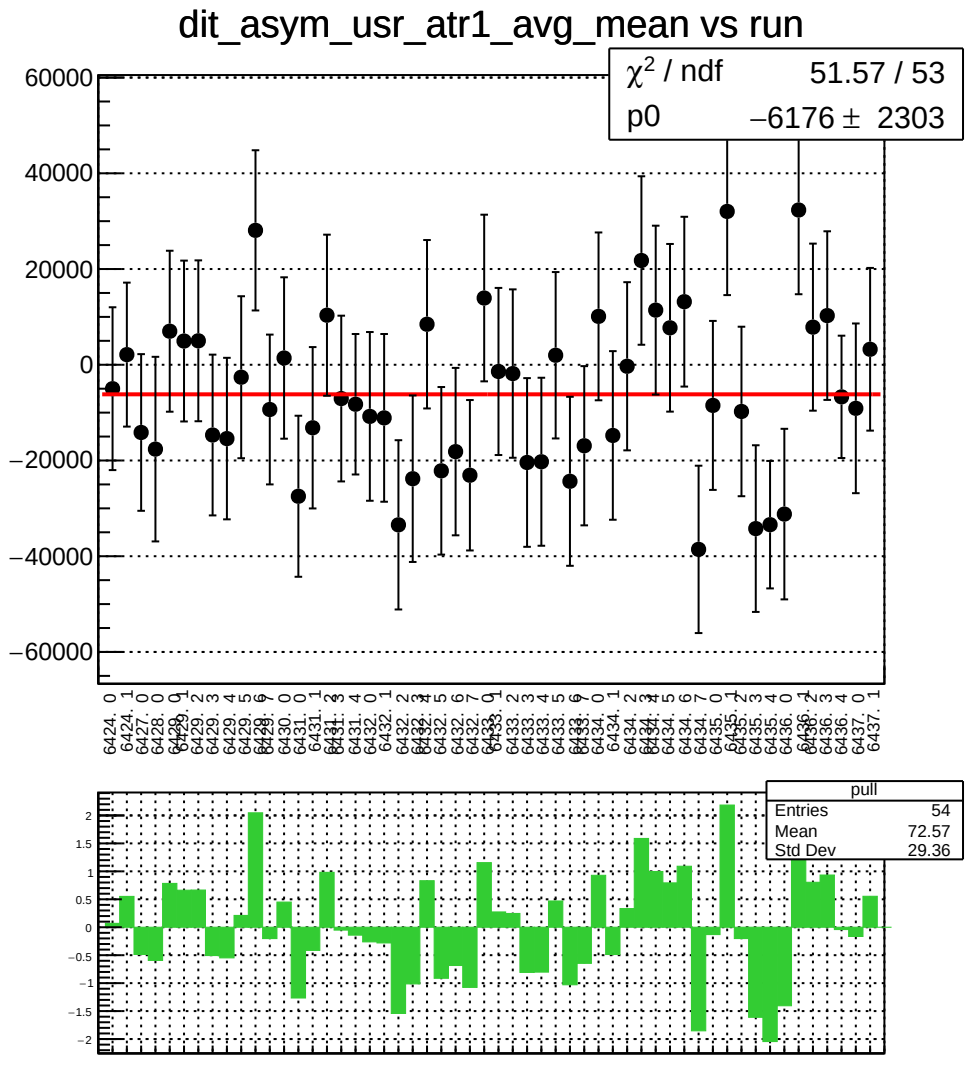

pull1D
Entries 54
Mean 0.01106
Std Dev 0.977

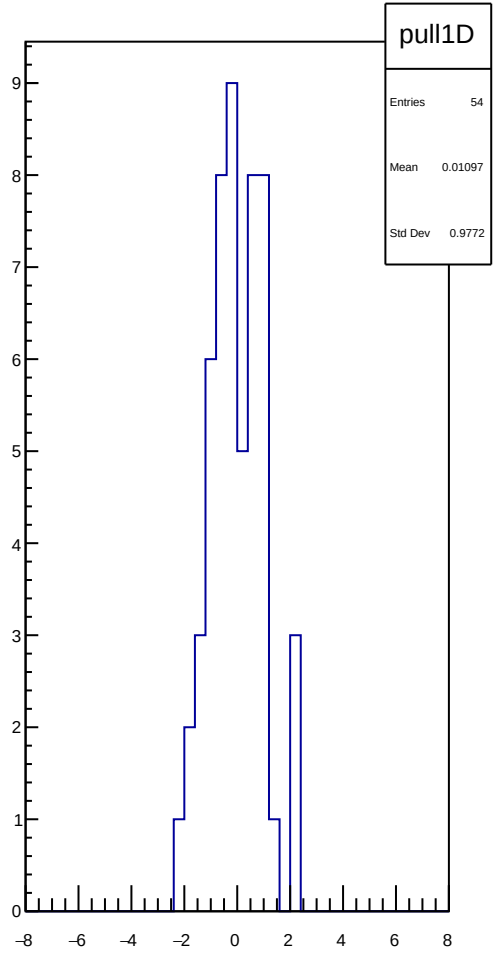

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 358 / 53
p0 1644 ± 1.626
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

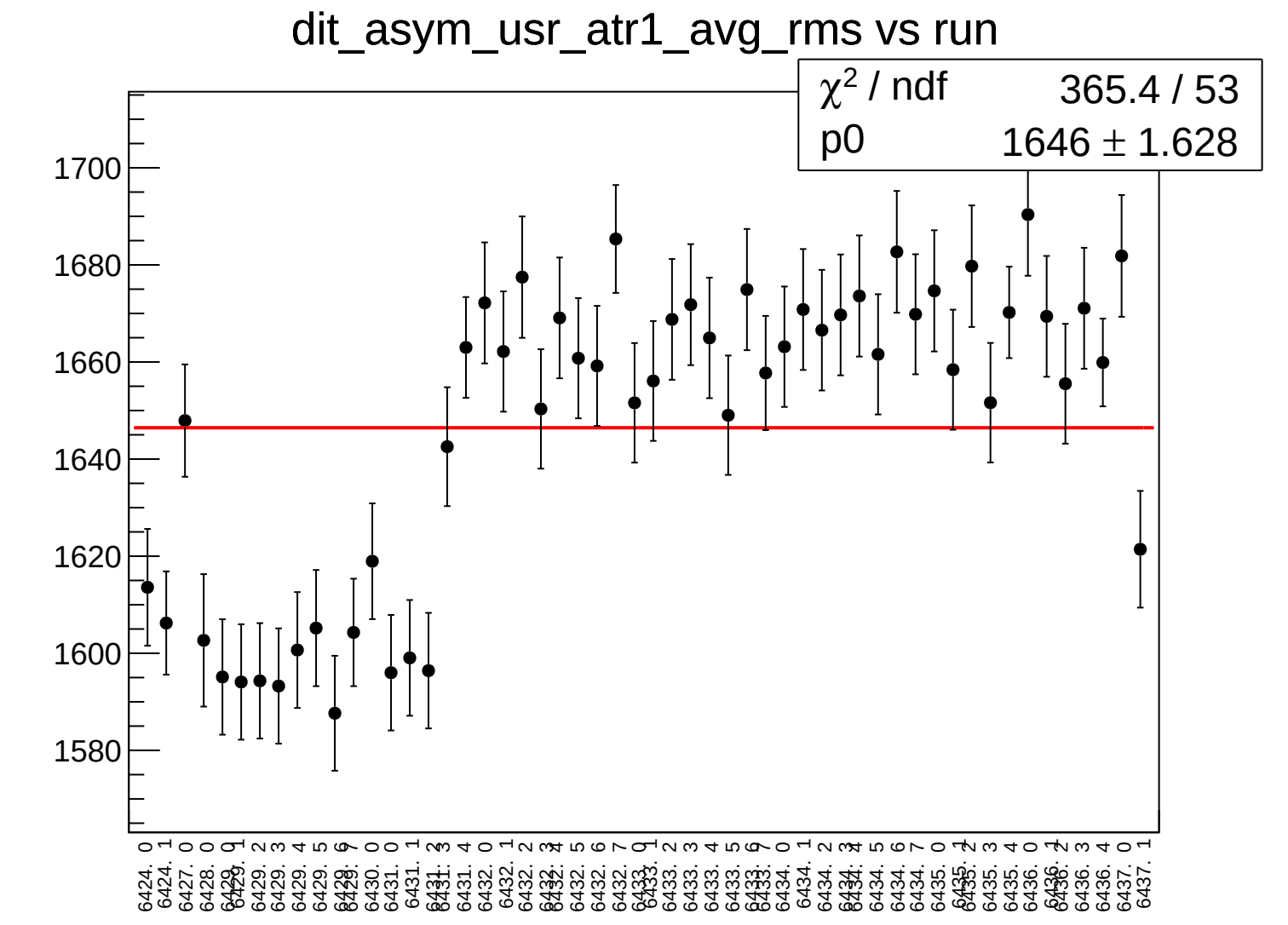

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.02 / 53
p0 −690.4 ± 1658
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 218.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.008053
Std Dev 1.018
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 5139 / 53
p0 1183 ± 1.172
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 51.57 / 53
p0 −6176 ± 2303
pull
Entries 54
Mean 72.57
Std Dev 29.36


pull1D
Entries 54
Mean 0.01097
Std Dev 0.9772


dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 365.4 / 53
p0 1646 ± 1.628
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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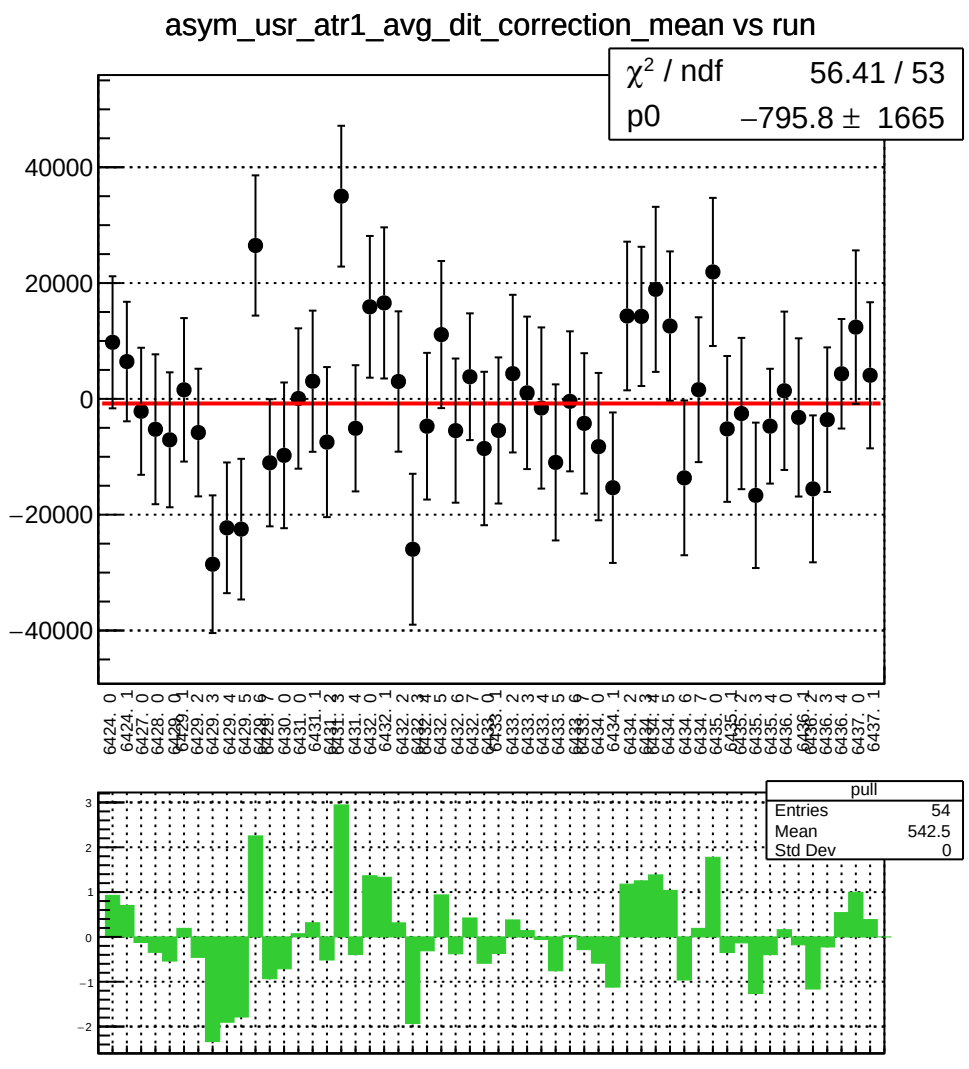
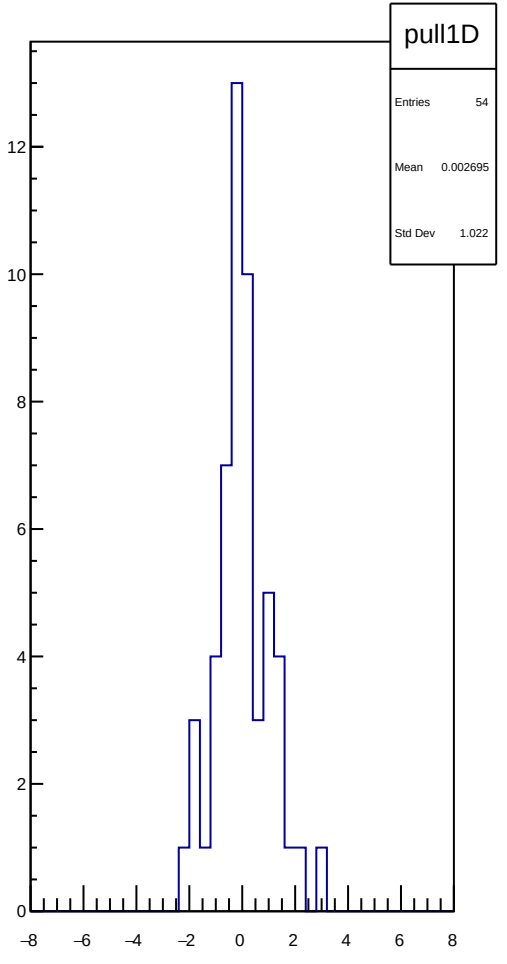
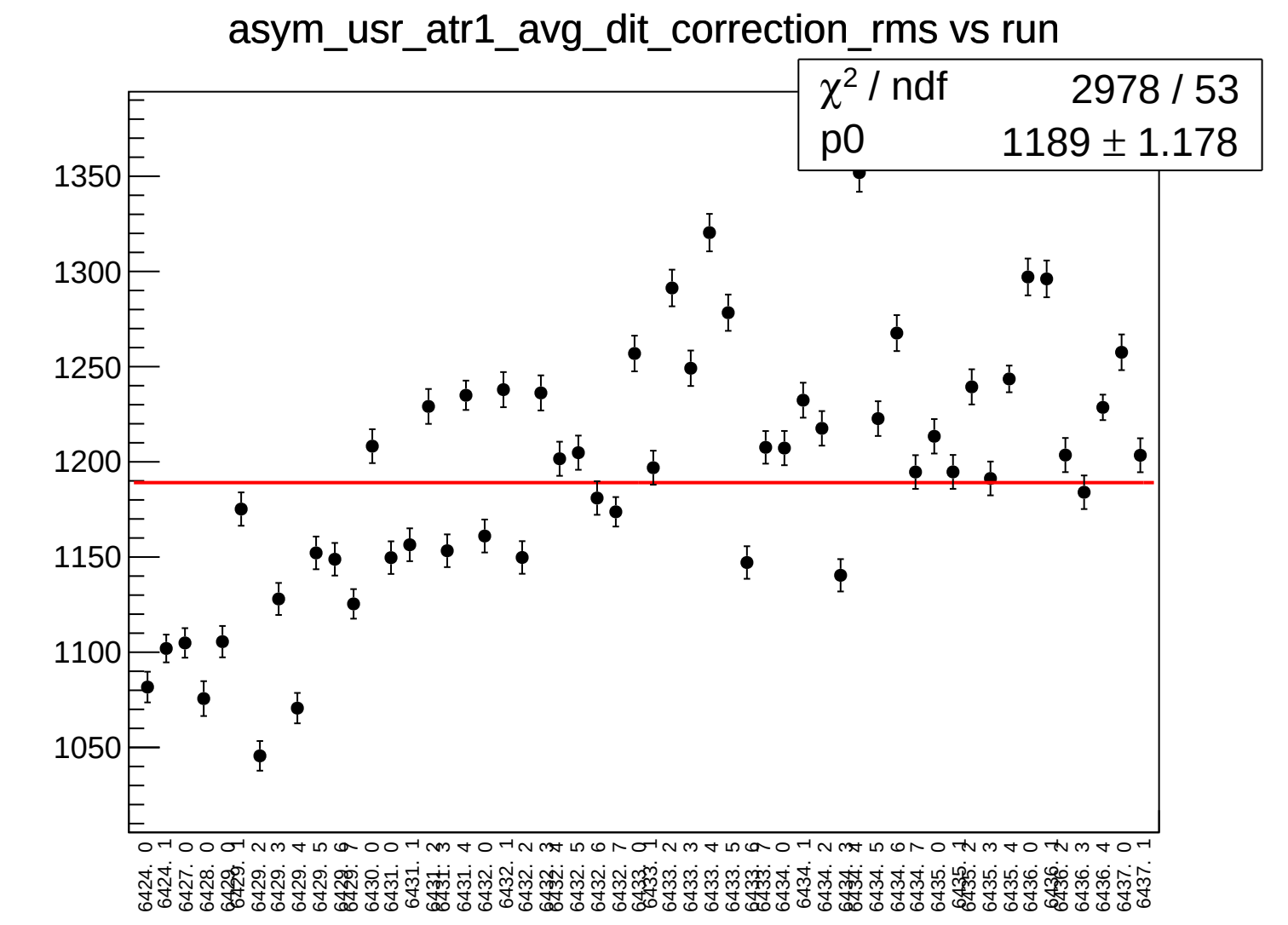
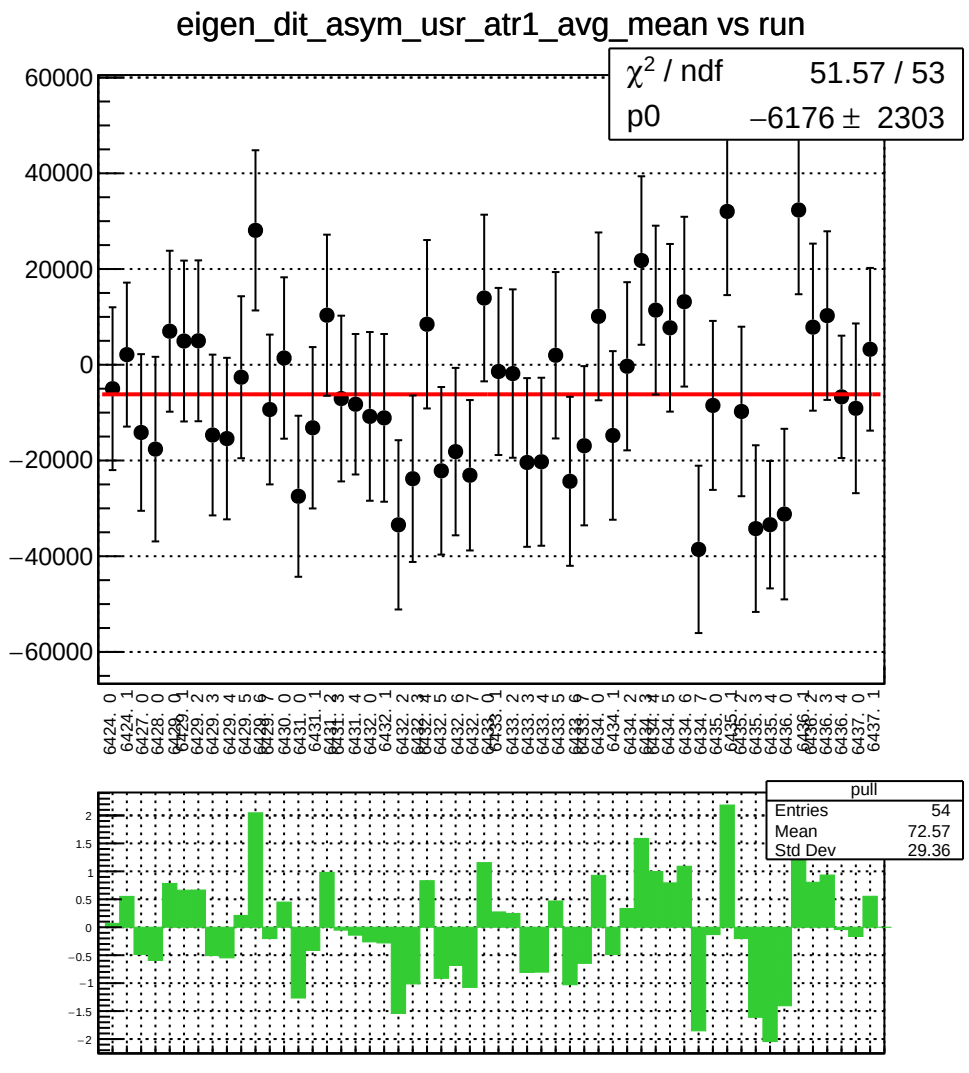
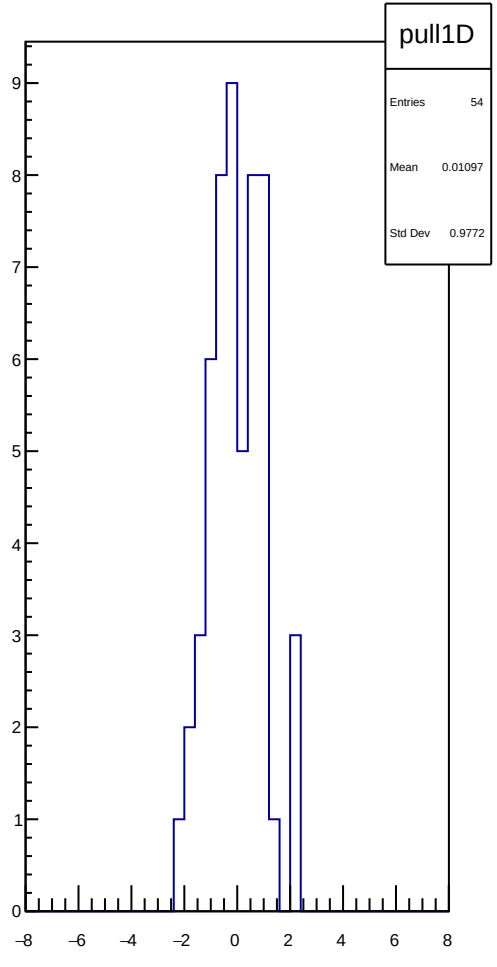
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

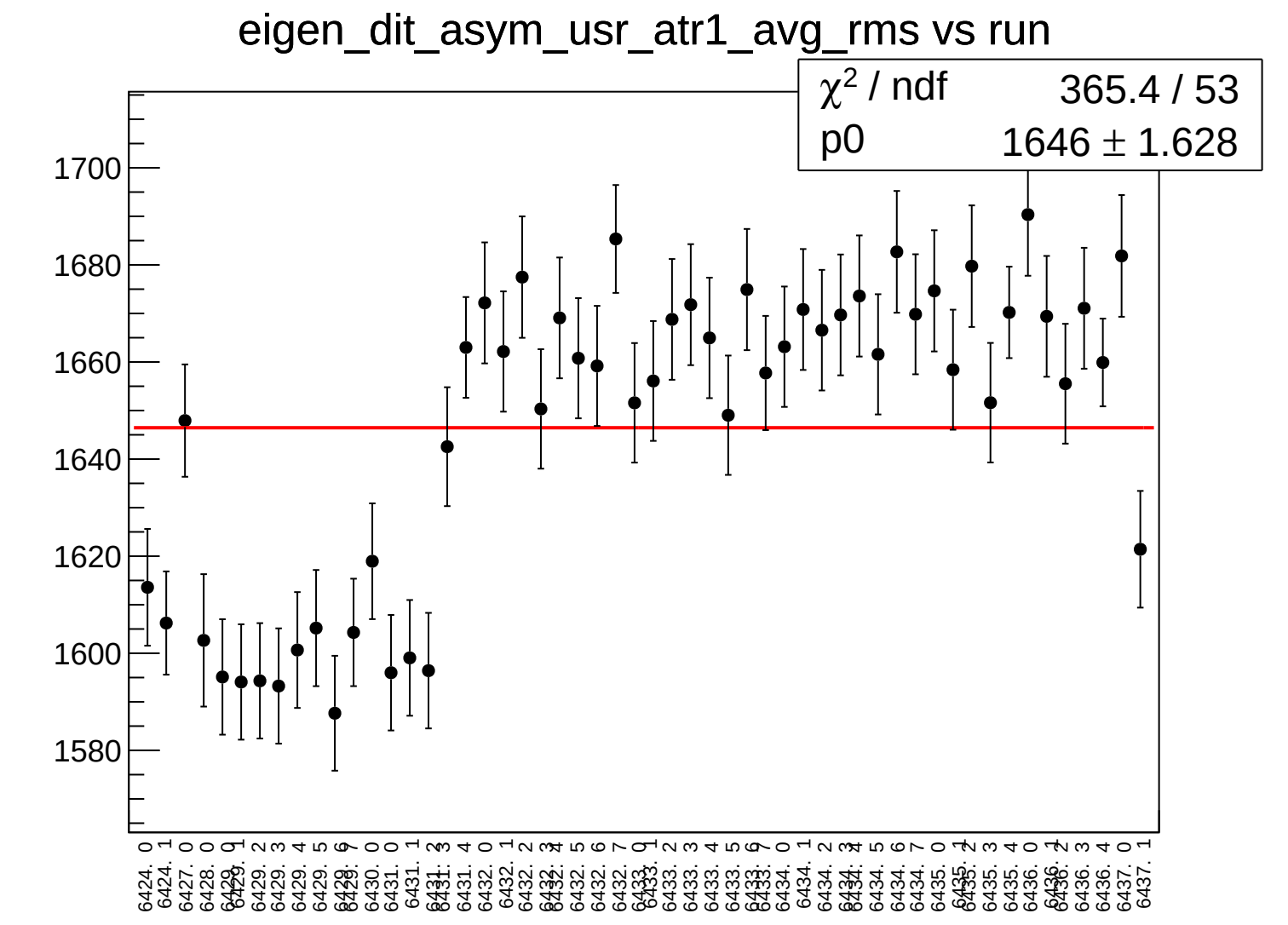

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 56.41 / 53
p0 −795.8 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 542.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002695
Std Dev 1.022
12
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 2978 / 53
p0 1189 ± 1.178
1350
1300
1250
1200
1150
1100
1050
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 51.57 / 53
p0 −6176 ± 2303
pull
Entries 54
Mean 72.57
Std Dev 29.36


pull1D
Entries 54
Mean 0.01097
Std Dev 0.9772


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 365.4 / 53
p0 1646 ± 1.628
1700
1680
1660
1640
1620
1600
1580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6436. 0
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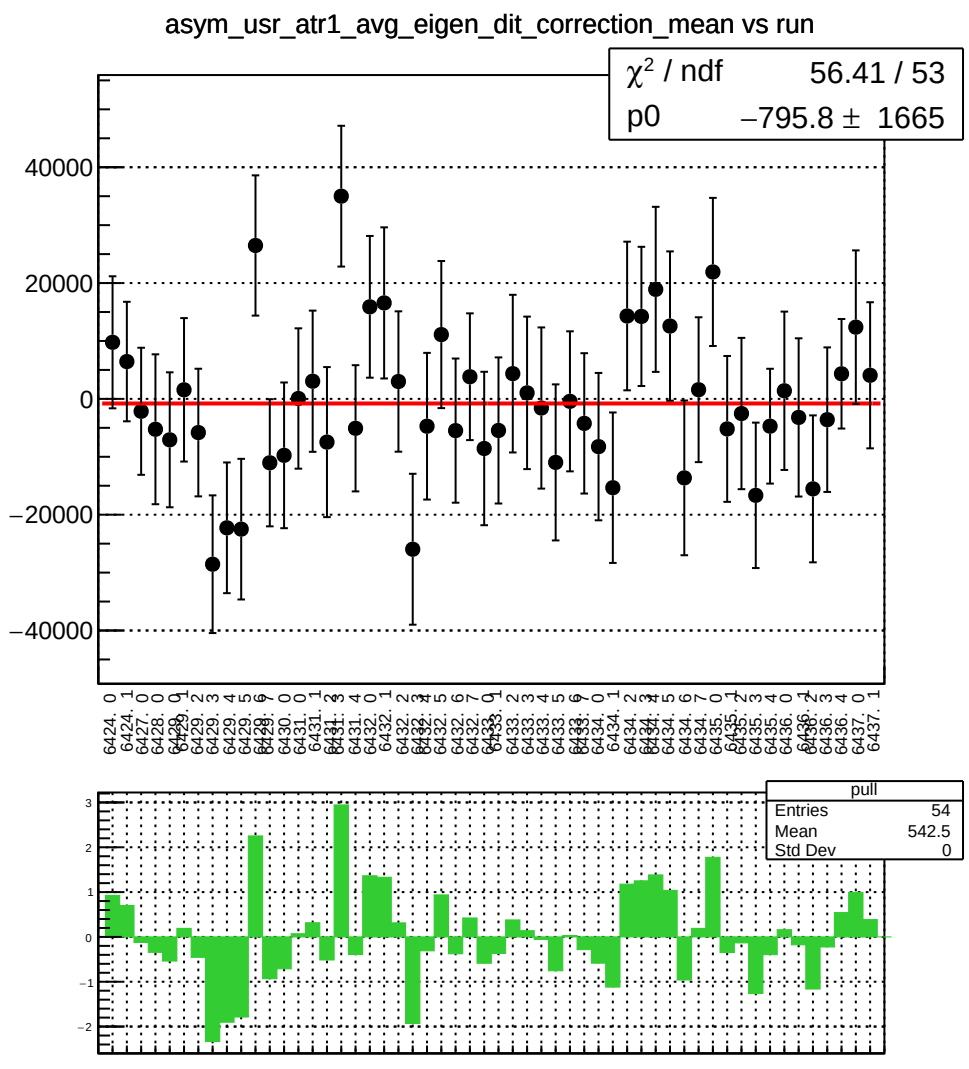
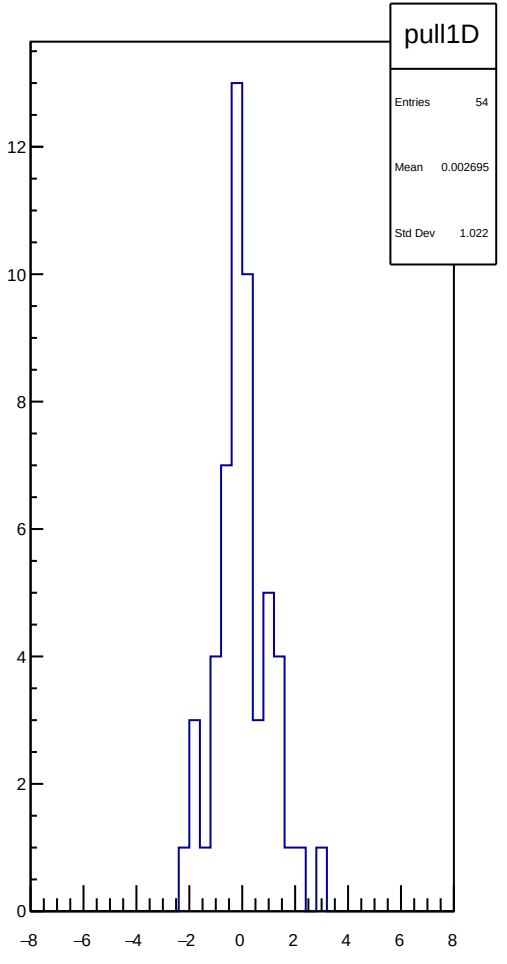
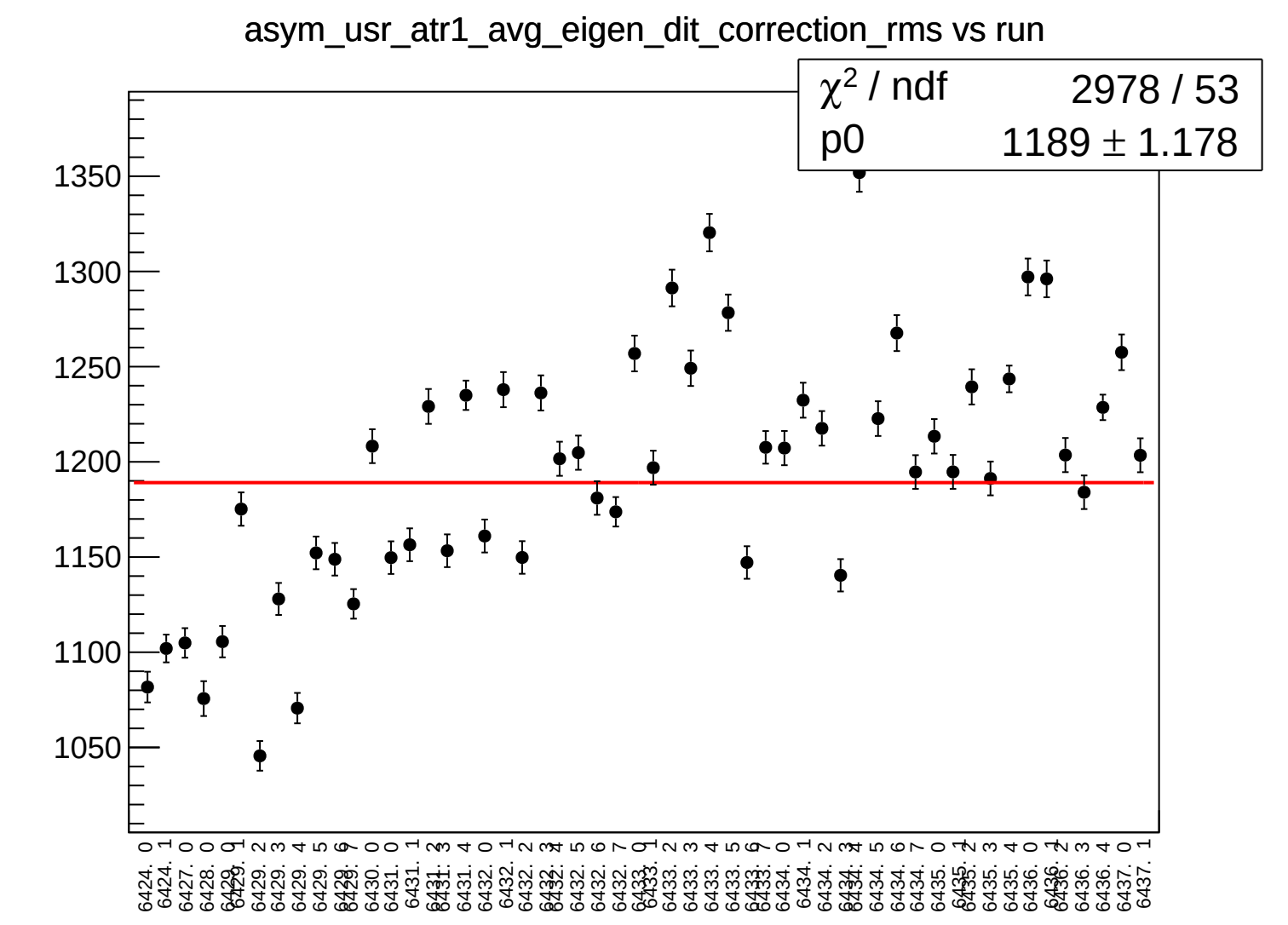
6437. 0
6437. 1


asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.41 / 53
p0 −795.8 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 542.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002695
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2978 / 53
p0 1189 ± 1.178
1350
1300
1250
1200
1150
1100
1050
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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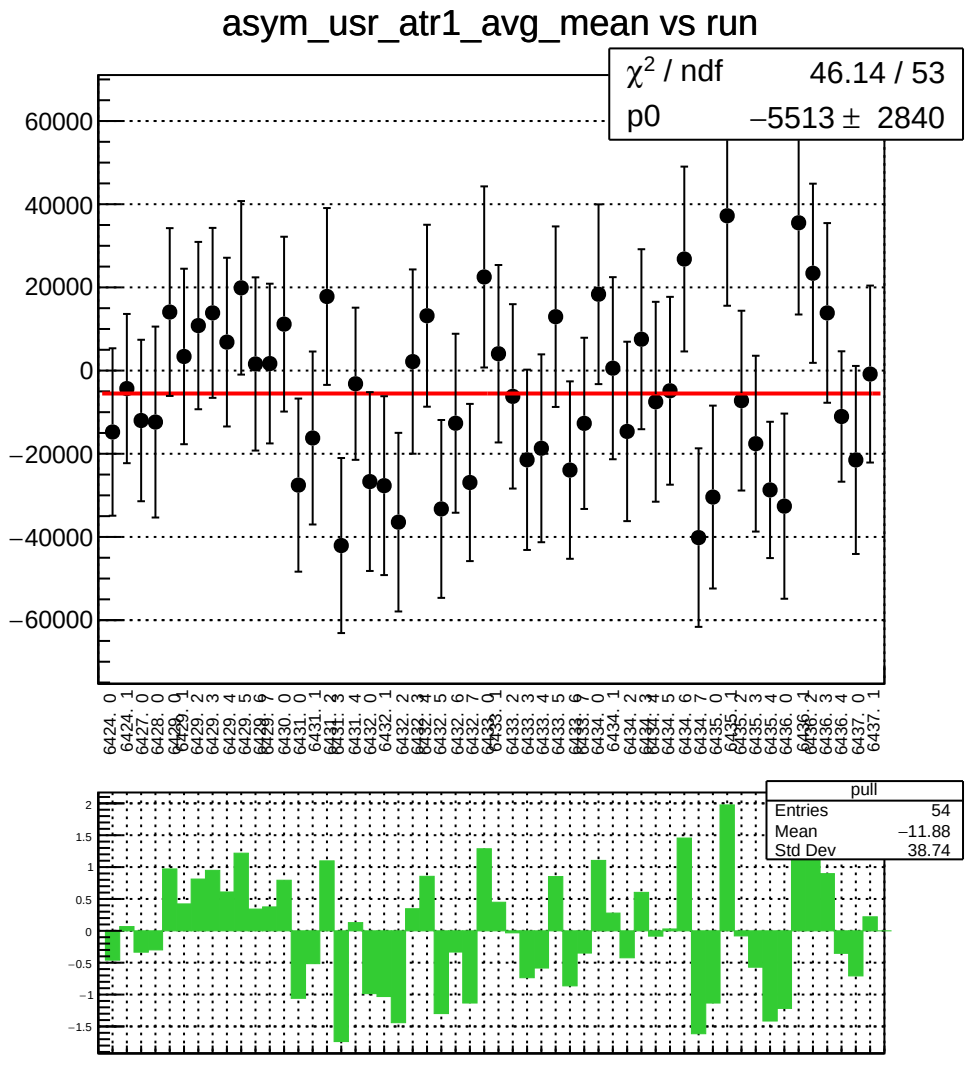
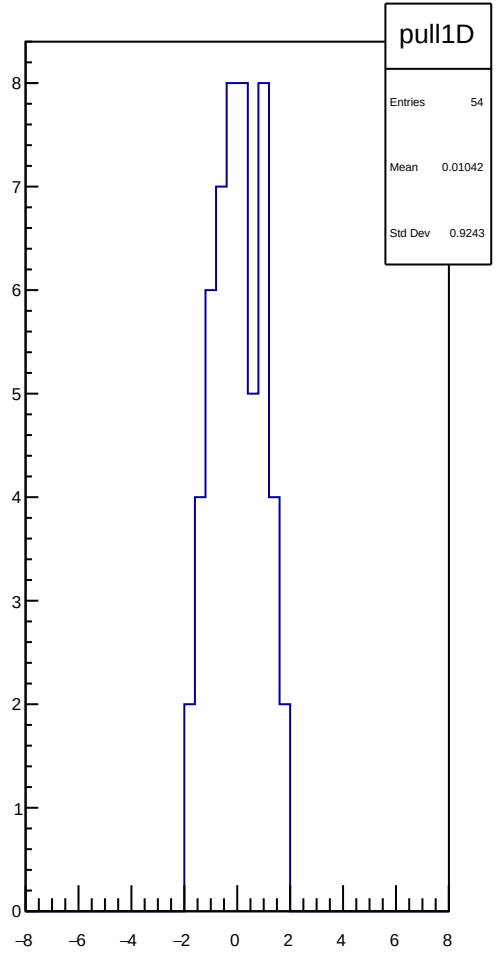
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_usr_atr1_avg_mean vs run
χ² / ndf 46.14 / 53
p0 −5513 ± 2840
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −11.88
Std Dev 38.74
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.01042
Std Dev 0.9243
8
7
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5
4
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1
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−4
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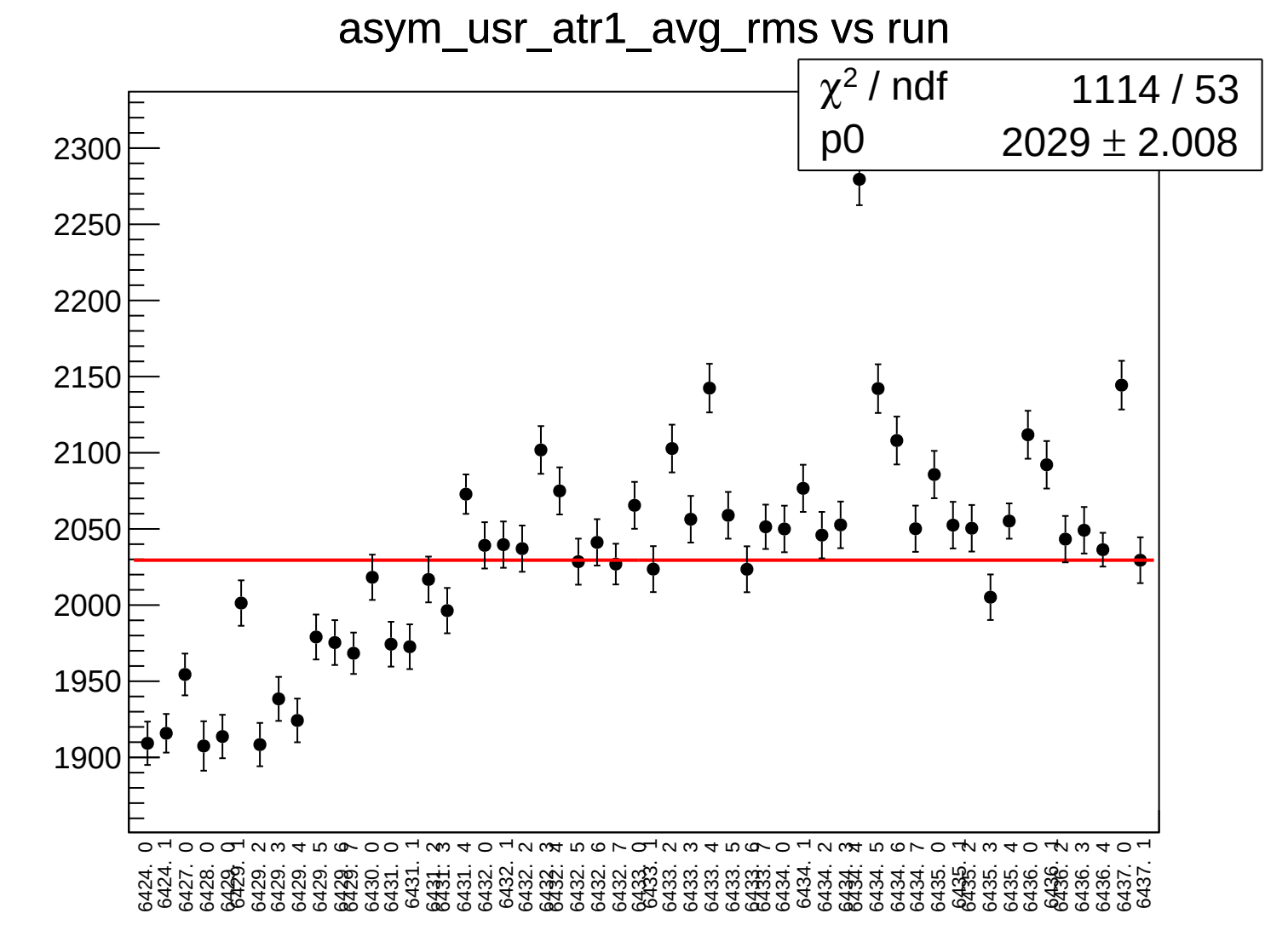
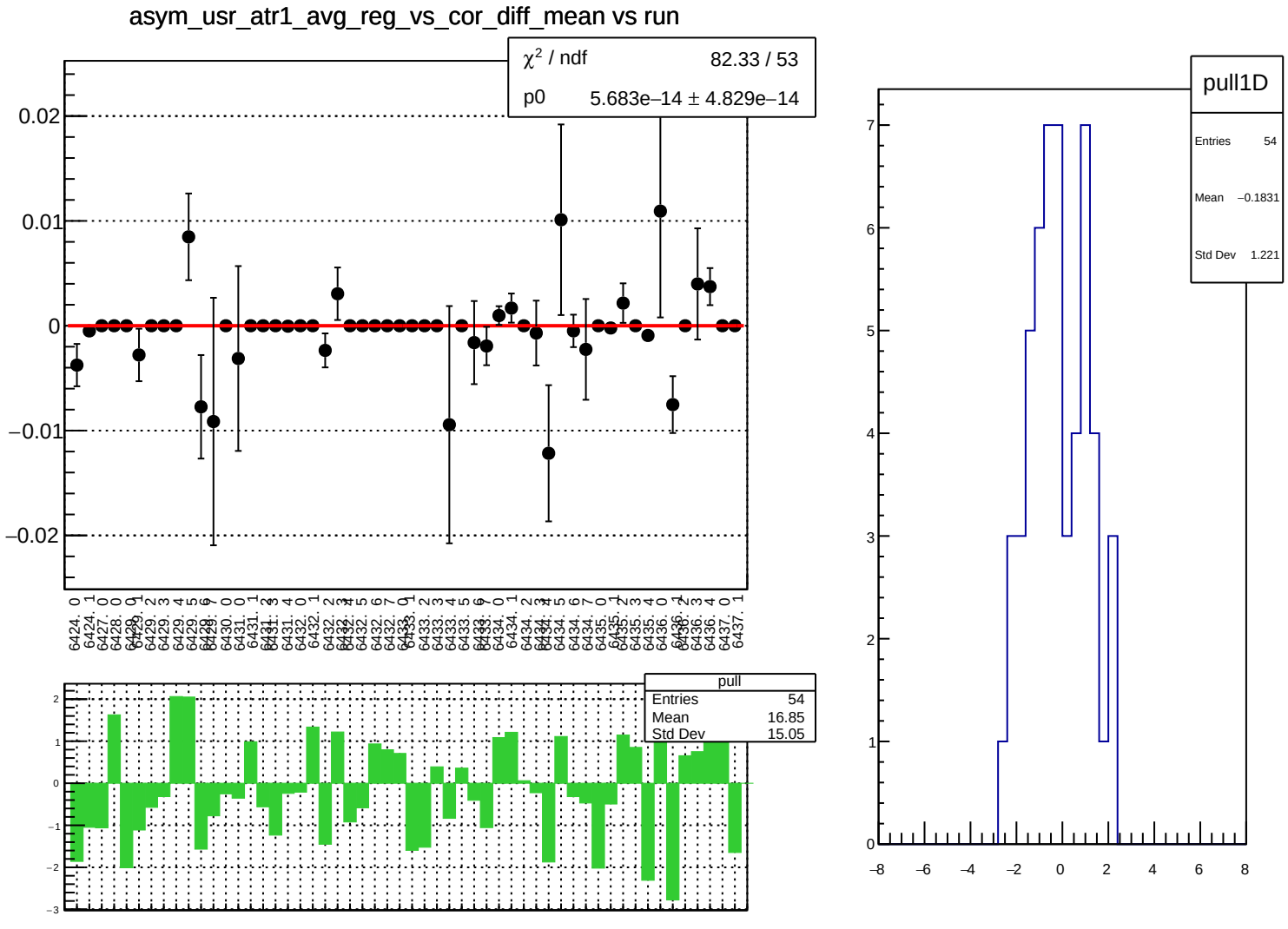
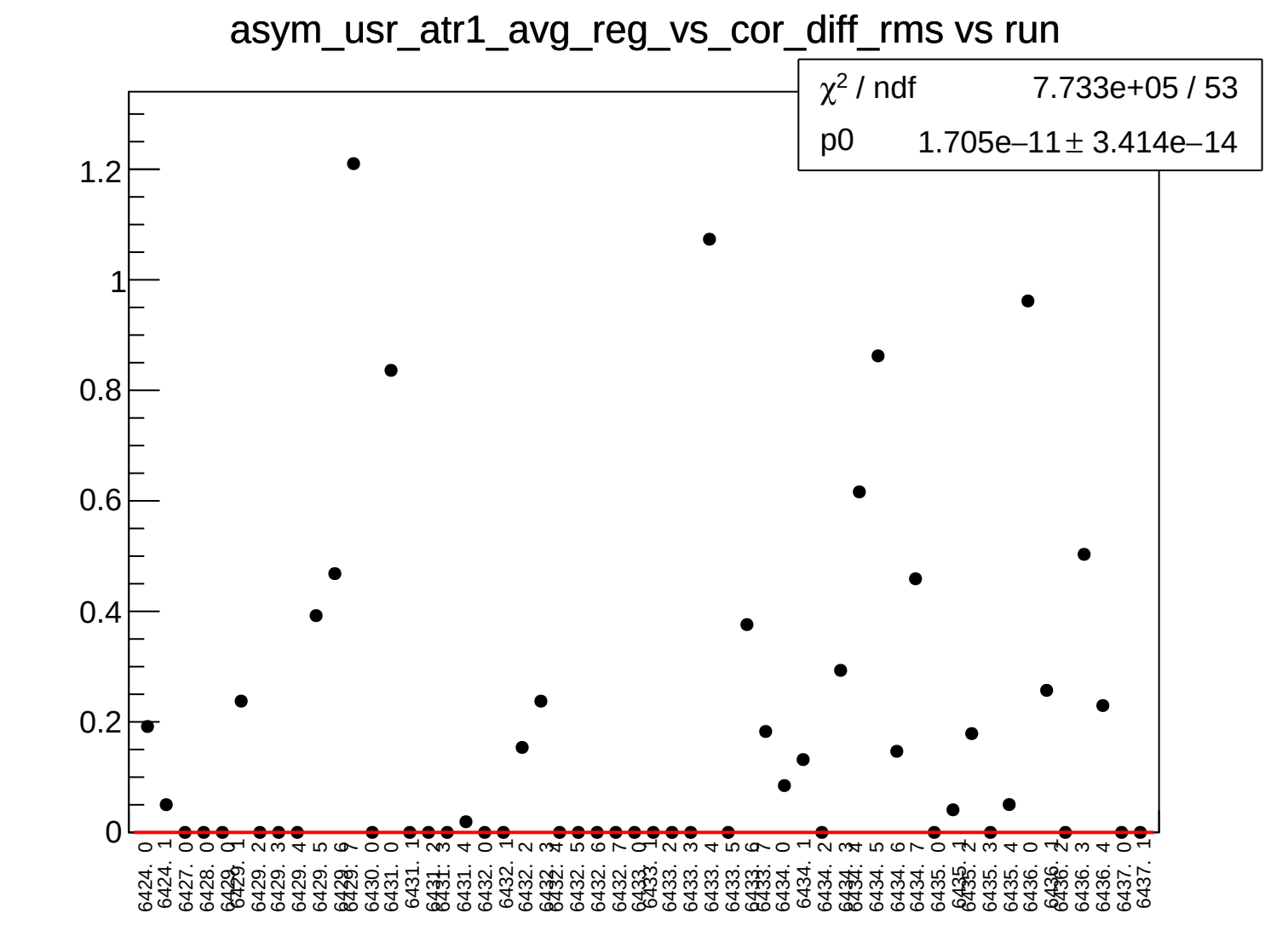
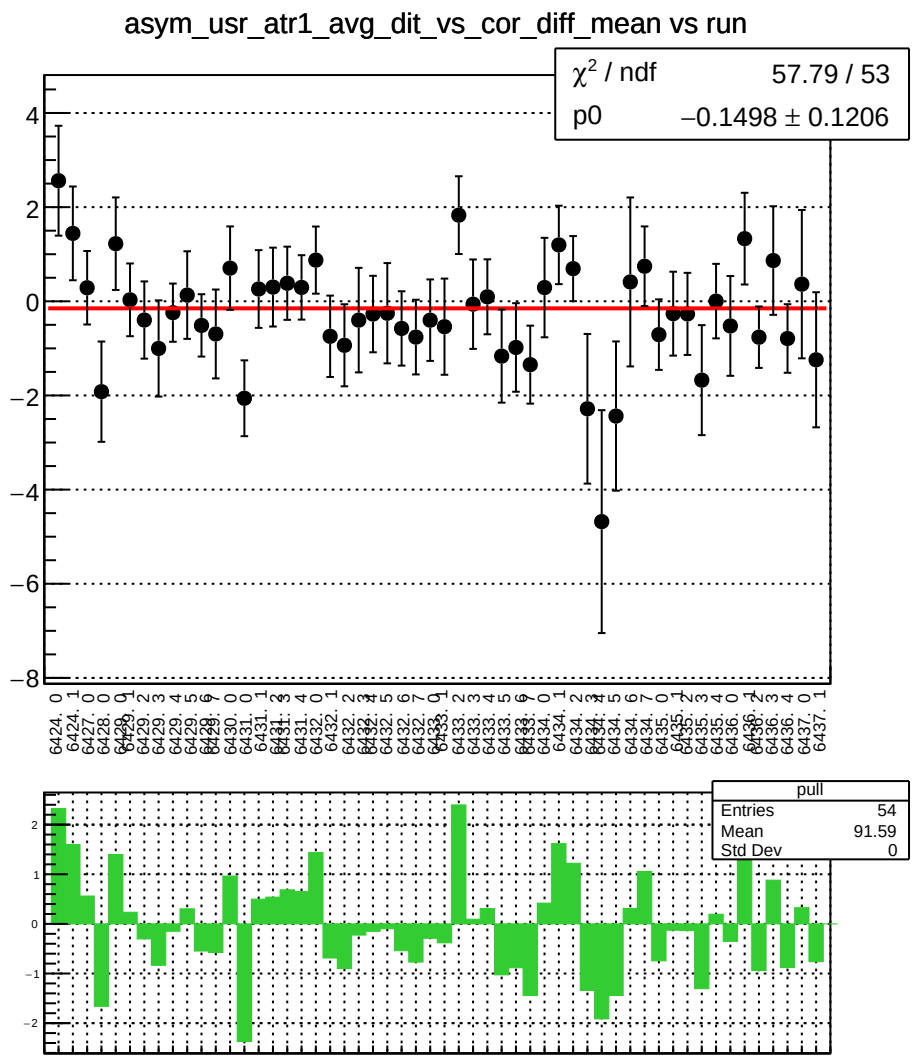
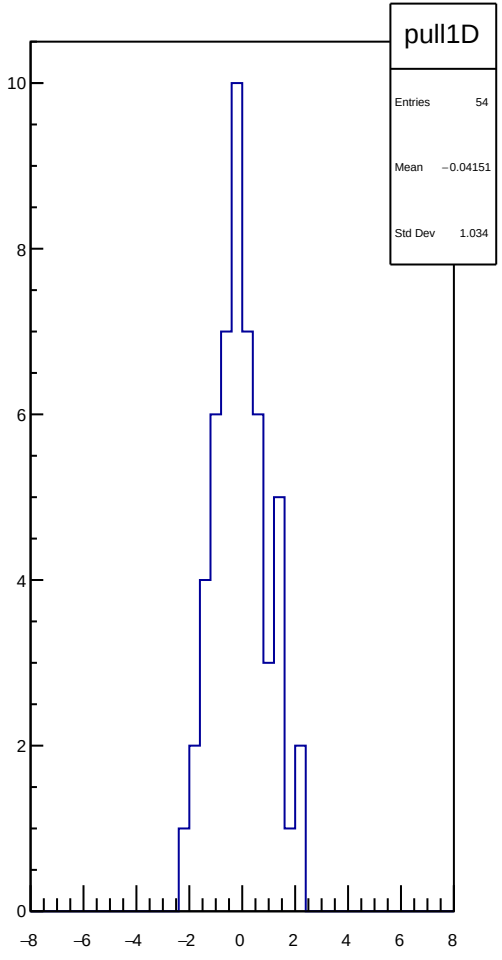
2
4
6
8

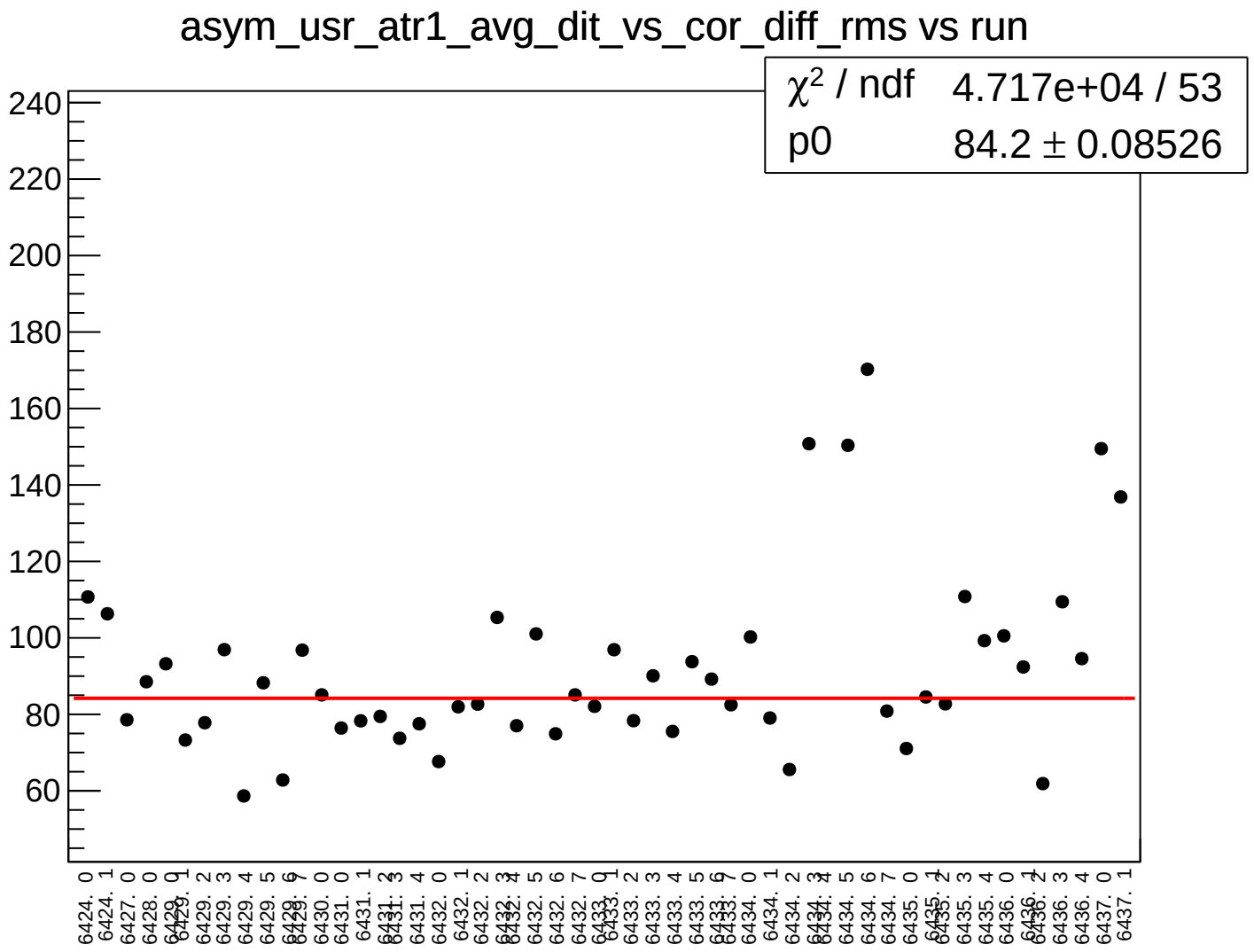

asym_usr_atr1_avg_rms vs run
χ² / ndf 1114 / 53
p0 2029 ± 2.008
2300
2250
2200
2150
2100
2050
2000
1950
1900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

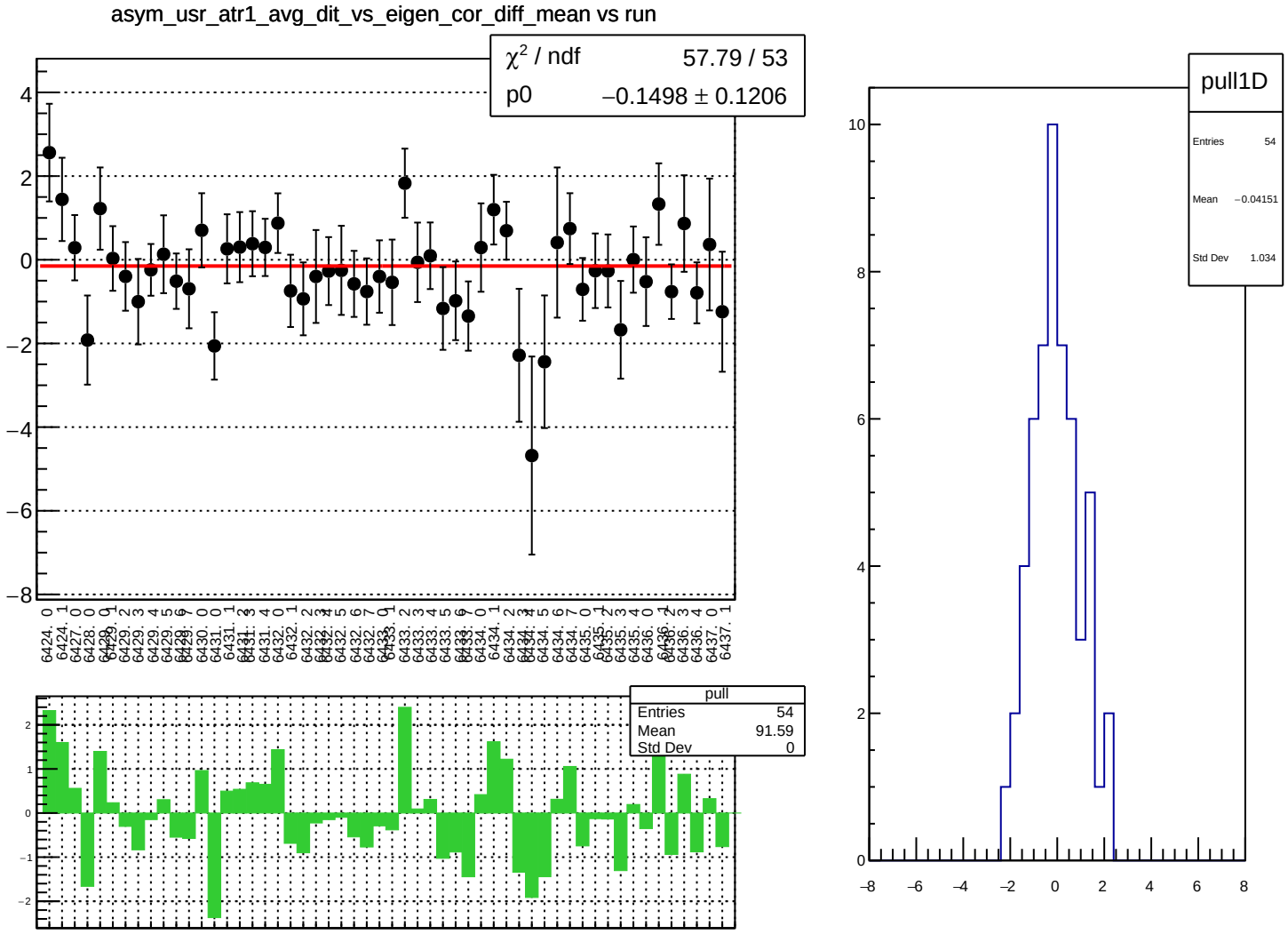

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.33 / 53
p0 5.683e−14 ± 4.829e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 16.85
Std Dev 15.05
pull1D
Entries 54
Mean −0.1831
Std Dev 1.221

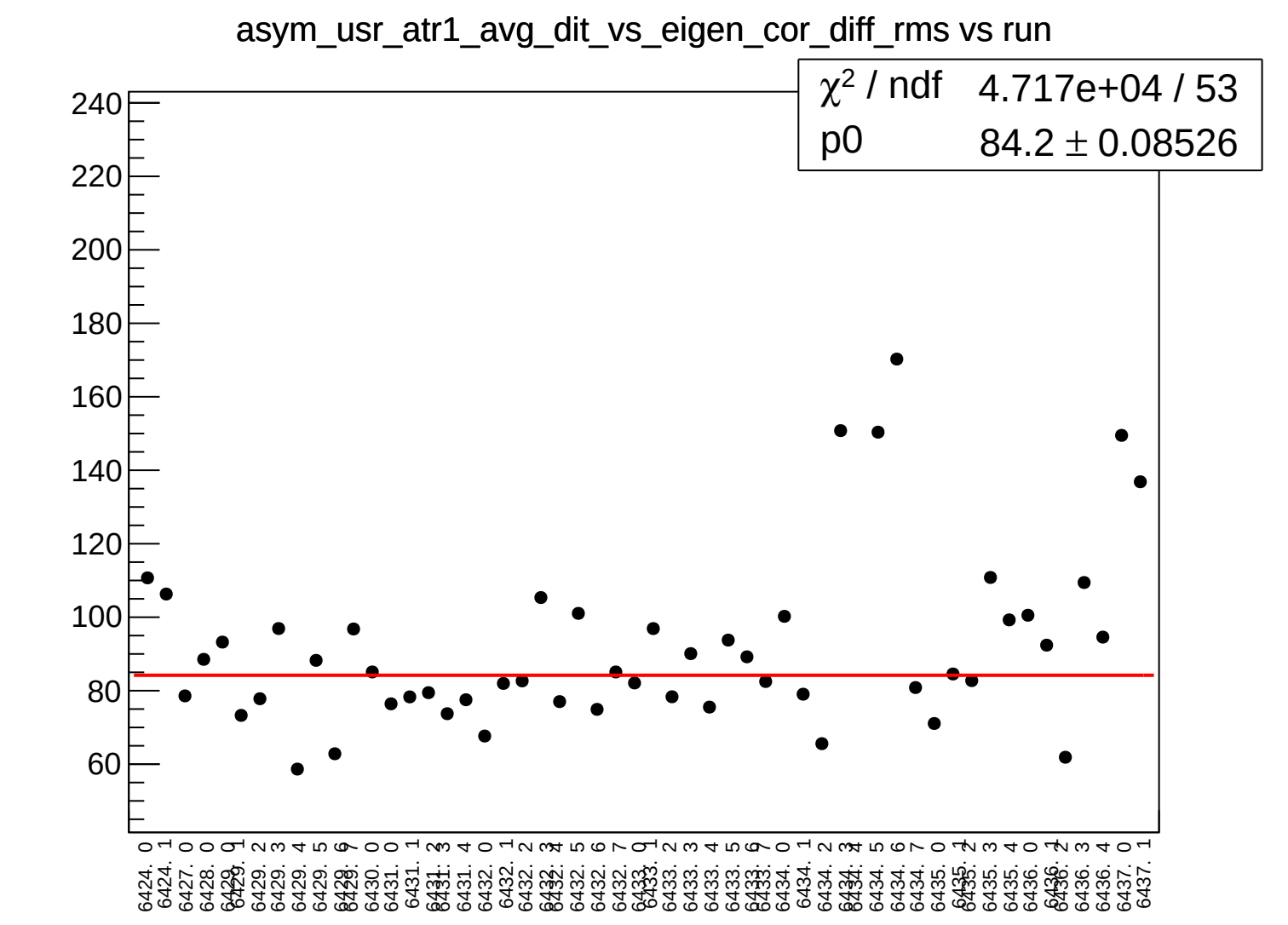

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 7.733e+05 / 53
p0 1.705e−11 ± 3.414e−14
1.2
1
0.8
0.6
0.4
0.2
0

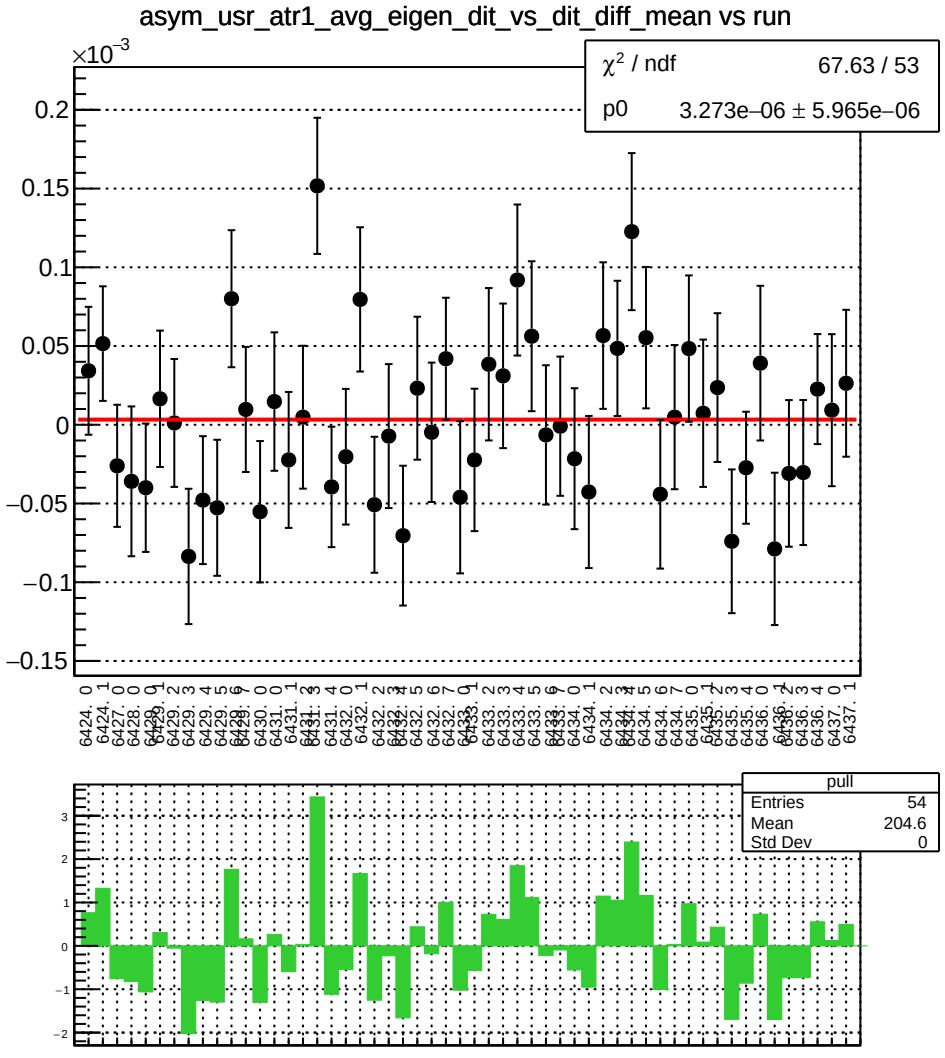

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.79 / 53
p0 −0.1498 ± 0.1206
pull
Entries 54
Mean 91.59
Std Dev 0

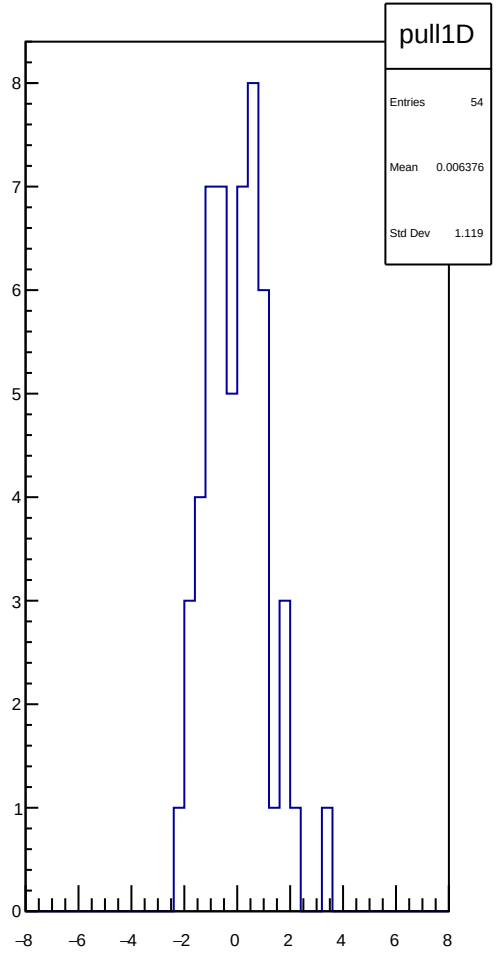

pull1D
Entries 54
Mean −0.04151
Std Dev 1.034

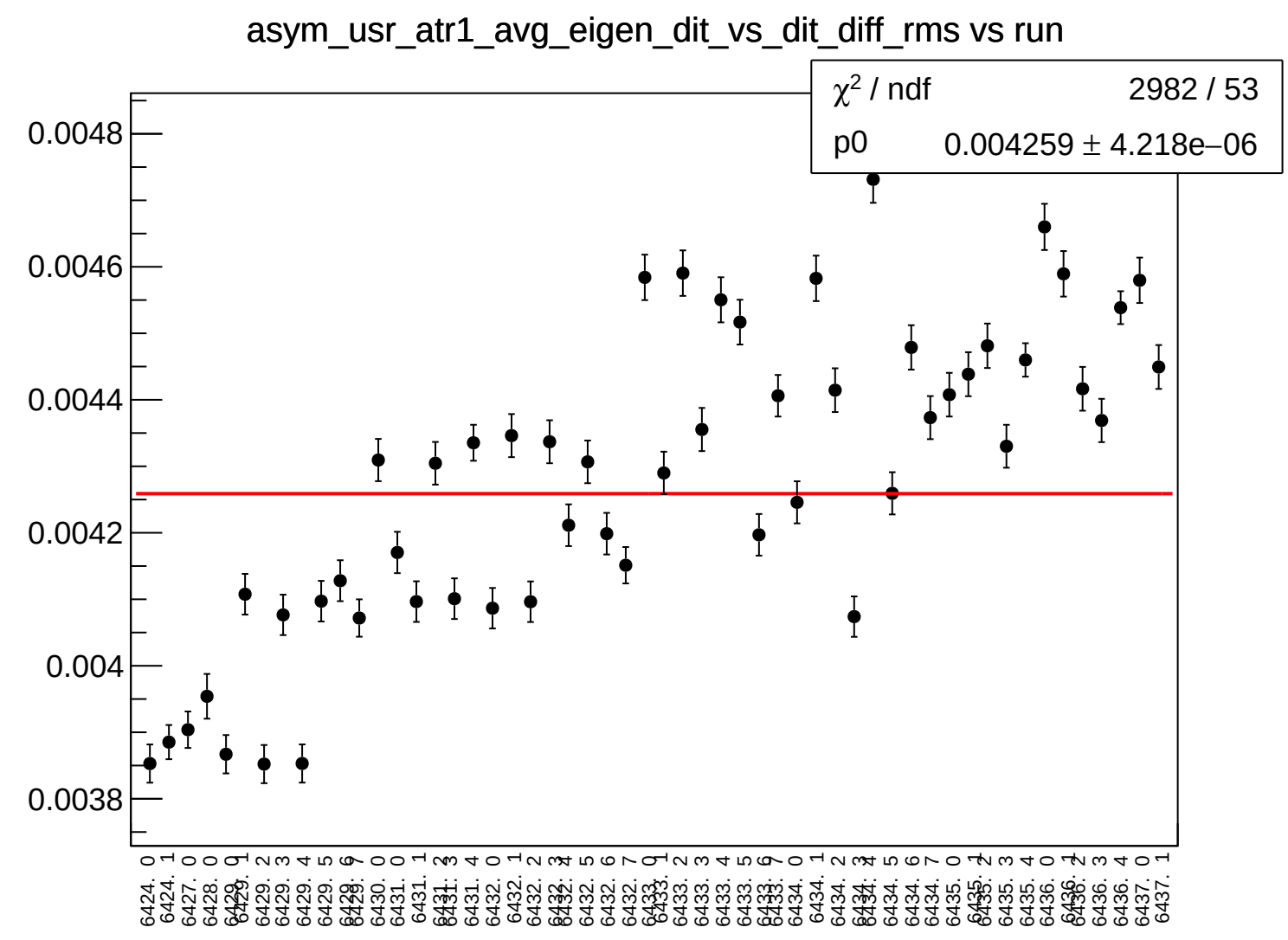

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.717e+04 / 53
p0 84.2 ± 0.08526
240
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

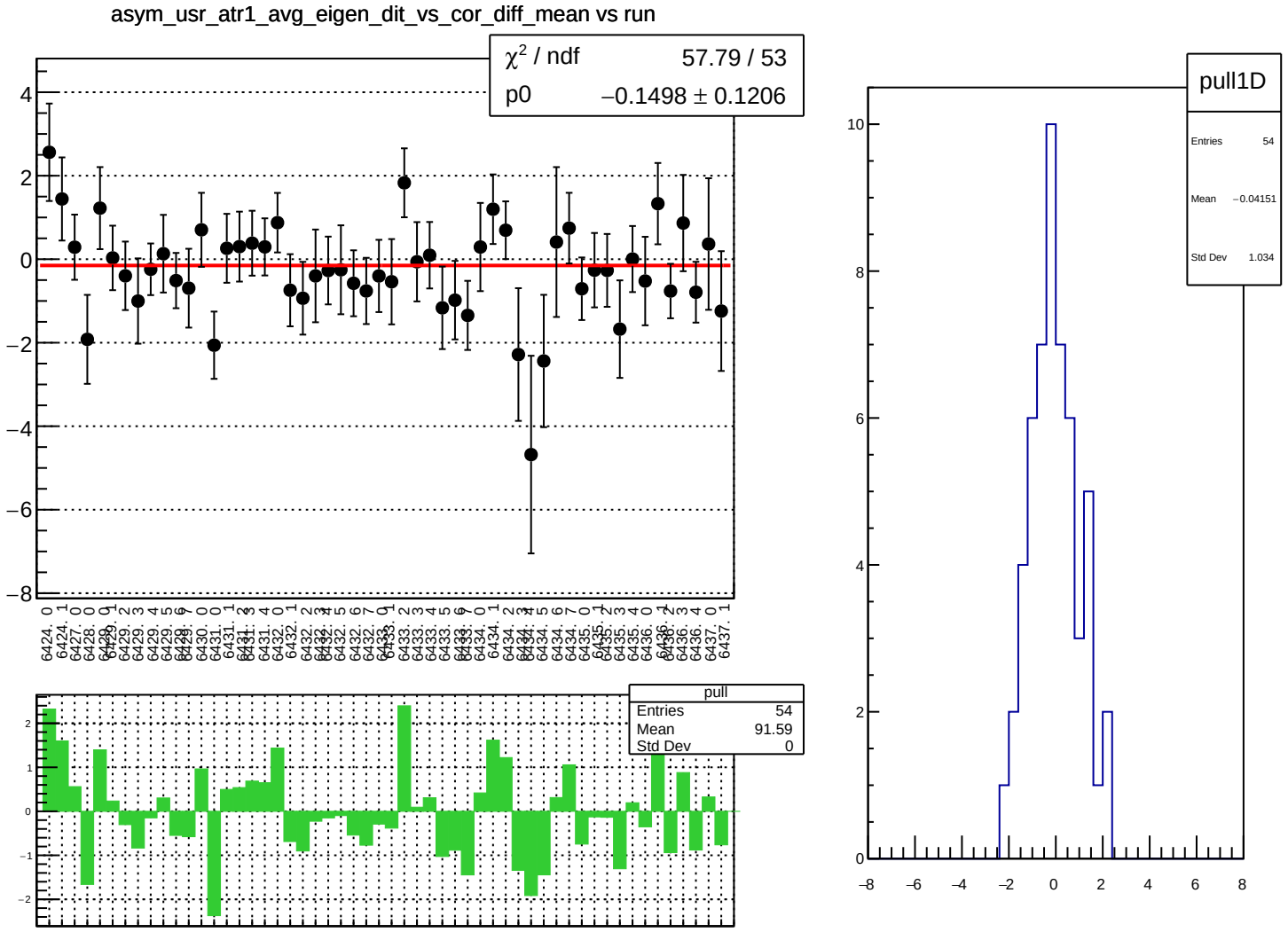

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.79 / 53
p0 −0.1498 ± 0.1206
pull
Entries 54
Mean 91.59
Std Dev 0
pull1D
Entries 54
Mean −0.04151
Std Dev 1.034

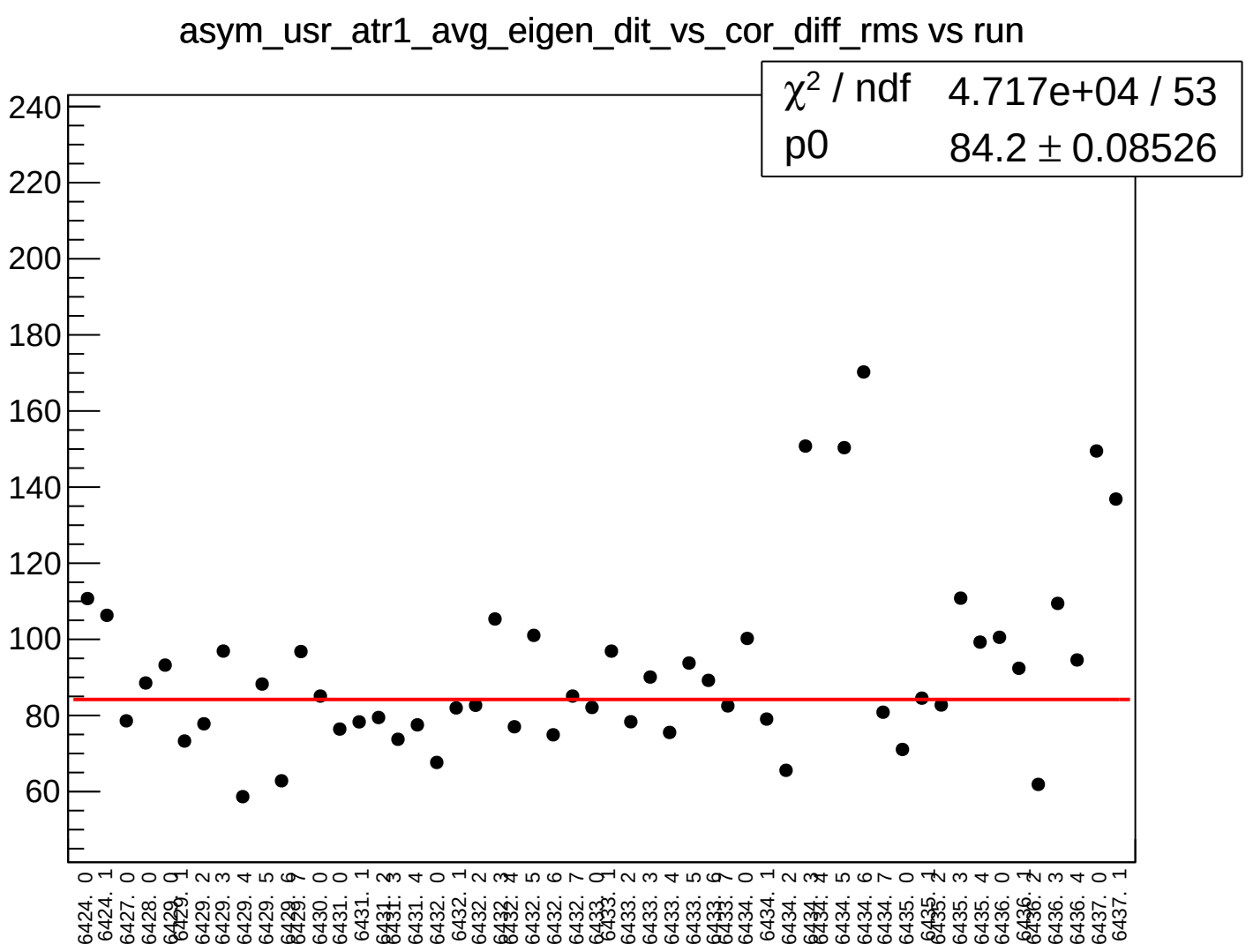

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.717e+04 / 53
p0 84.2 ± 0.08526
240
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

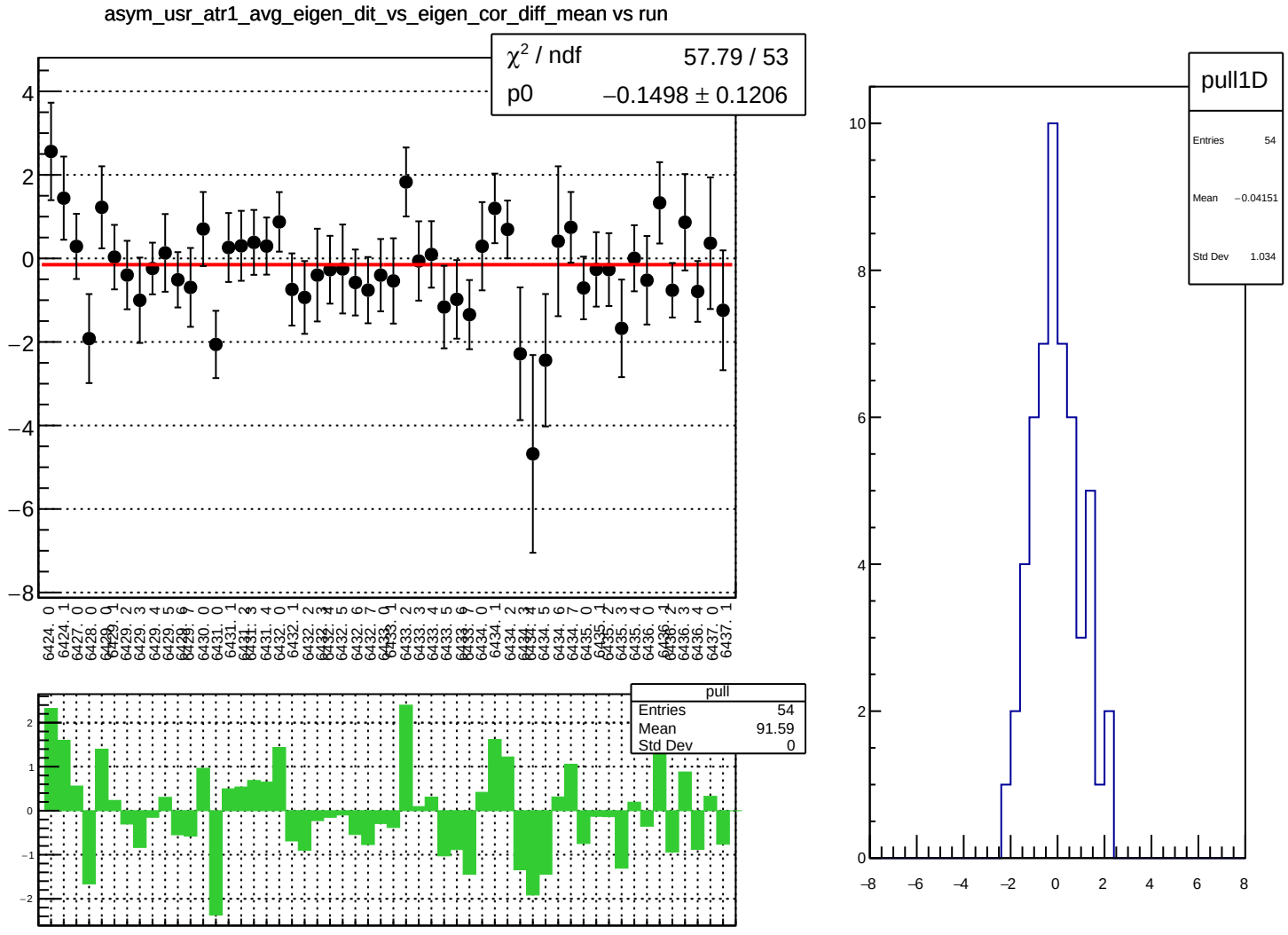

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.63 / 53
p0 3.273e−06 ± 5.965e−06
pull
Entries 54
Mean 204.6
Std Dev 0

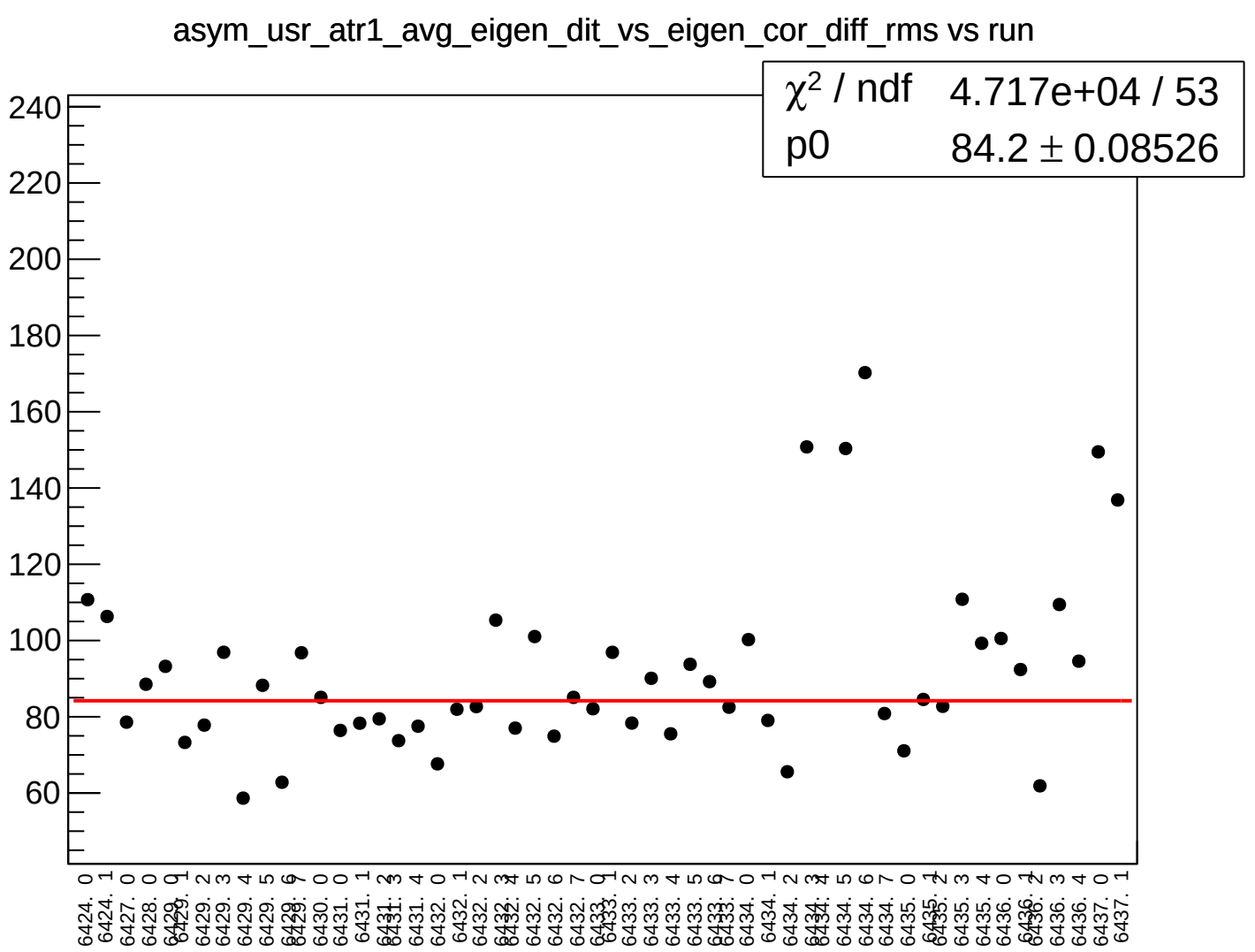

pull1D
Entries 54
Mean 0.006376
Std Dev 1.119

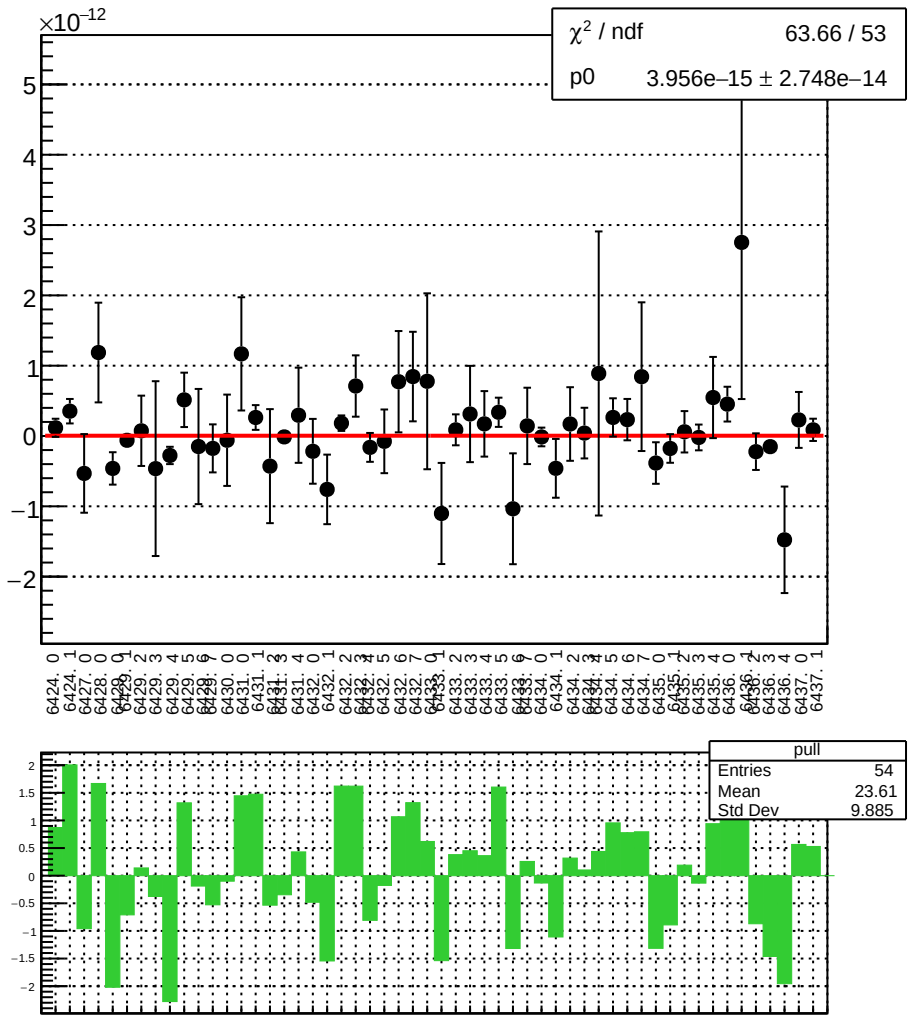

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2982 / 53
p0 0.004259 ± 4.218e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

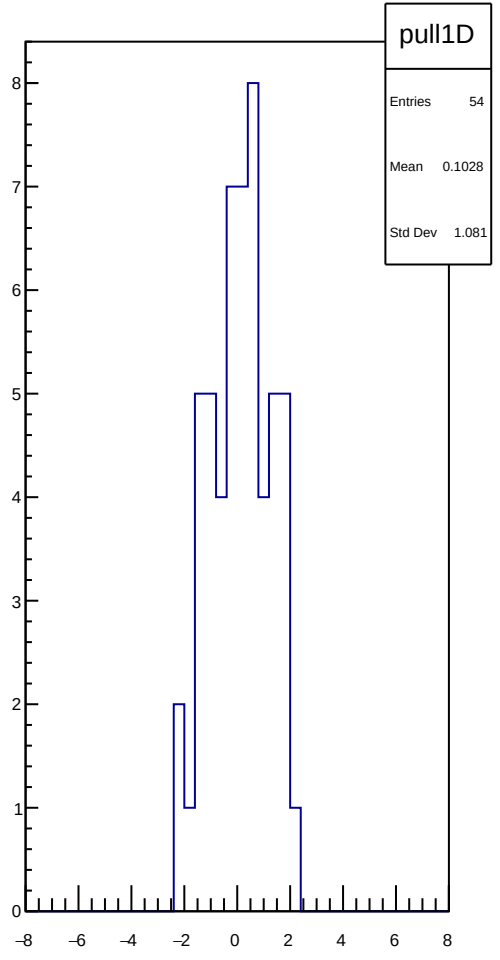

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.79 / 53
p0 −0.1498 ± 0.1206
pull
Entries 54
Mean 91.59
Std Dev 0
pull1D
Entries 54
Mean −0.04151
Std Dev 1.034

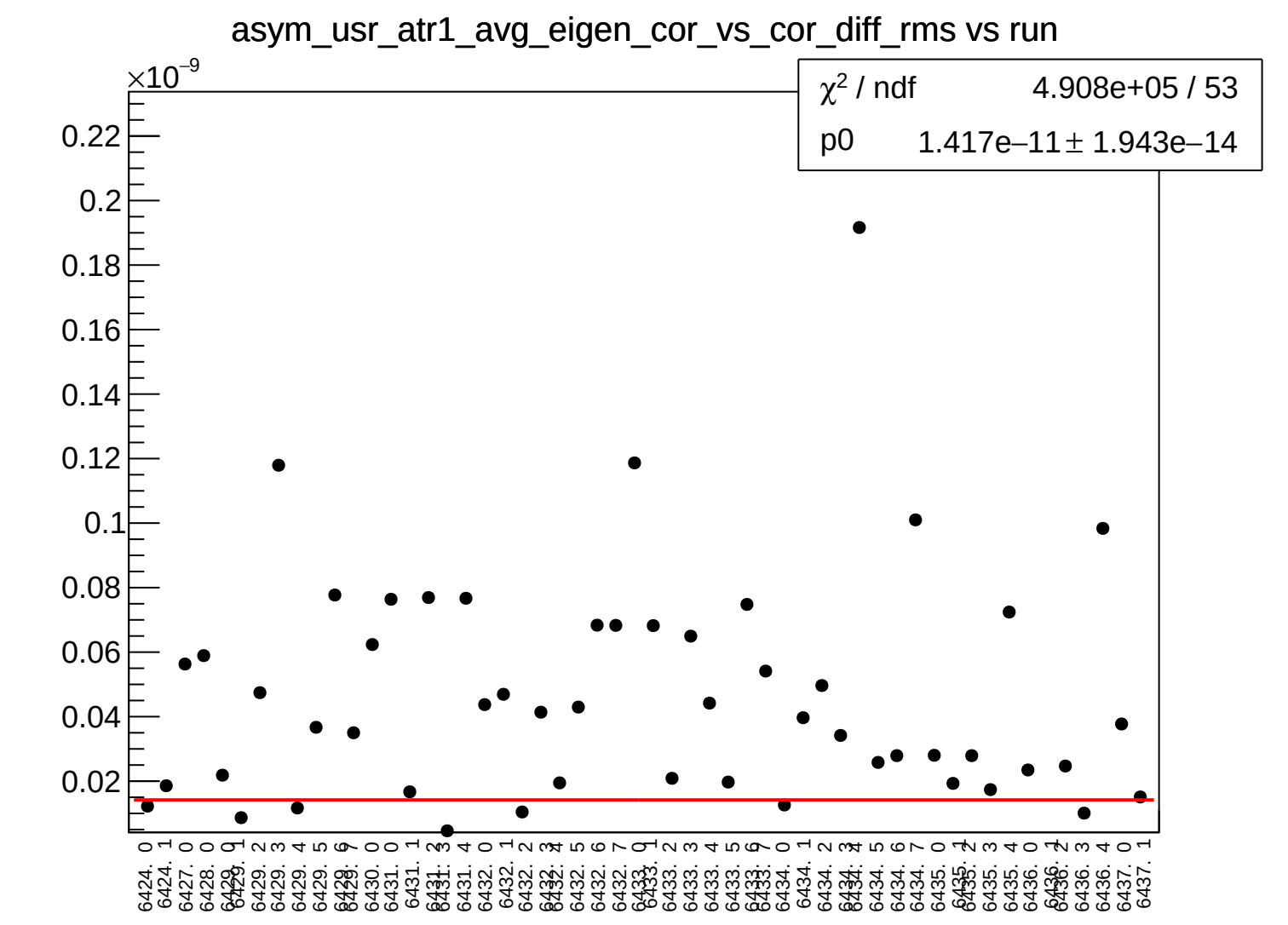

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.717e+04 / 53
p0 84.2 ± 0.08526
240
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

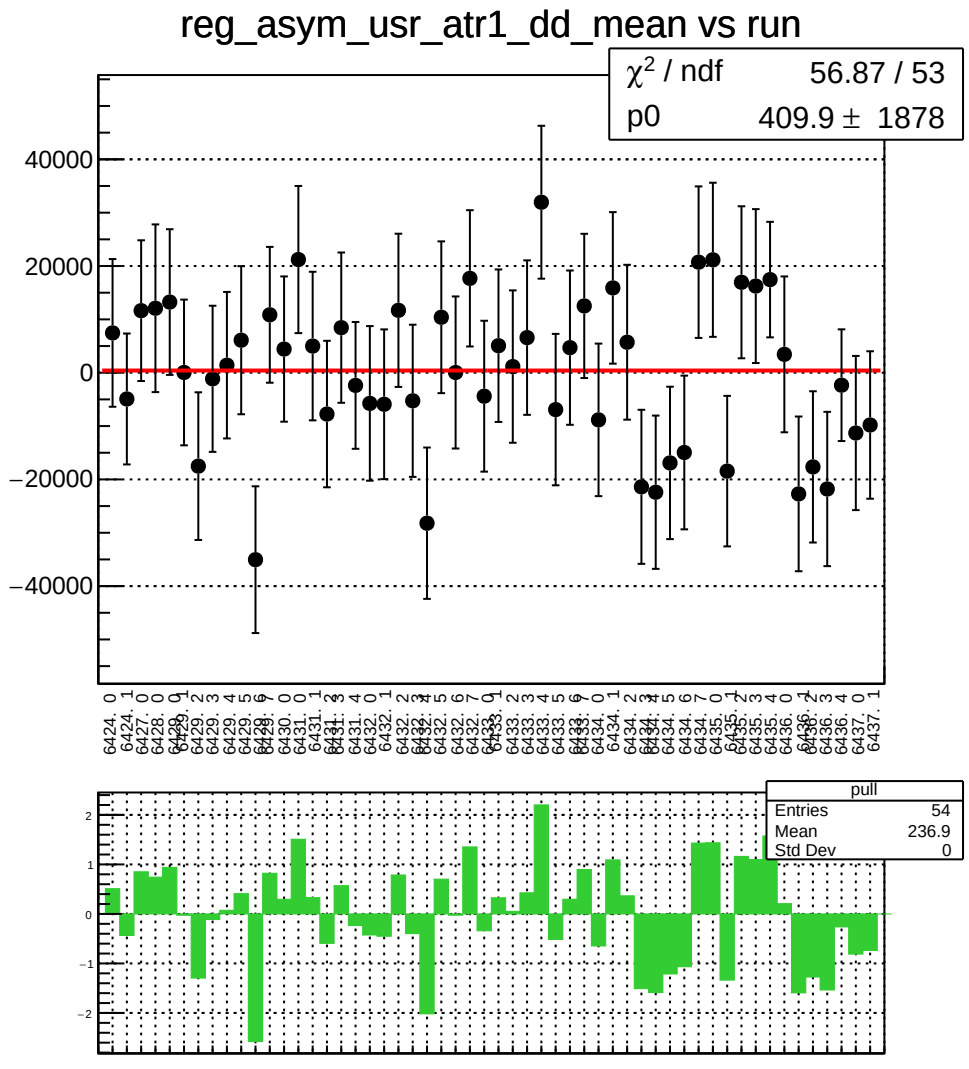

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.79 / 53
p0 −0.1498 ± 0.1206
pull
Entries 54
Mean 91.59
Std Dev 0
pull1D
Entries 54
Mean −0.04151
Std Dev 1.034

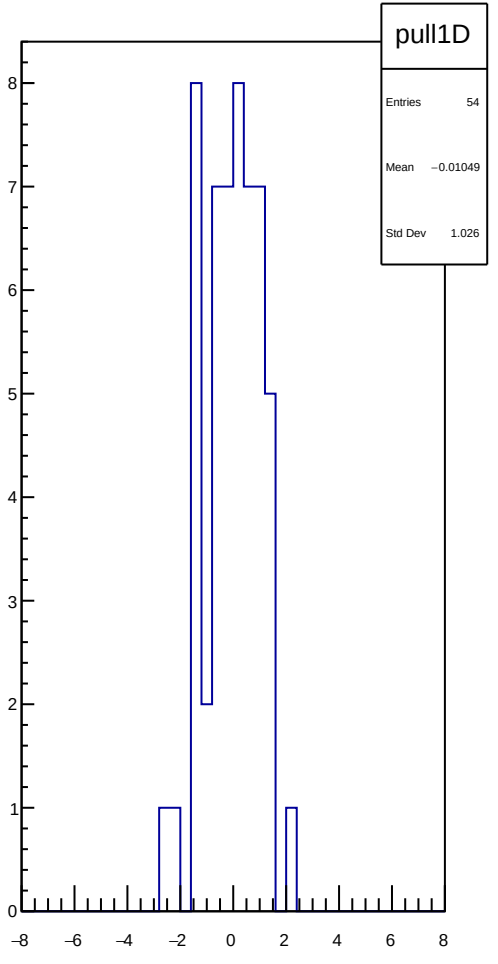

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.717e+04 / 53
p0 84.2 ± 0.08526
240
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

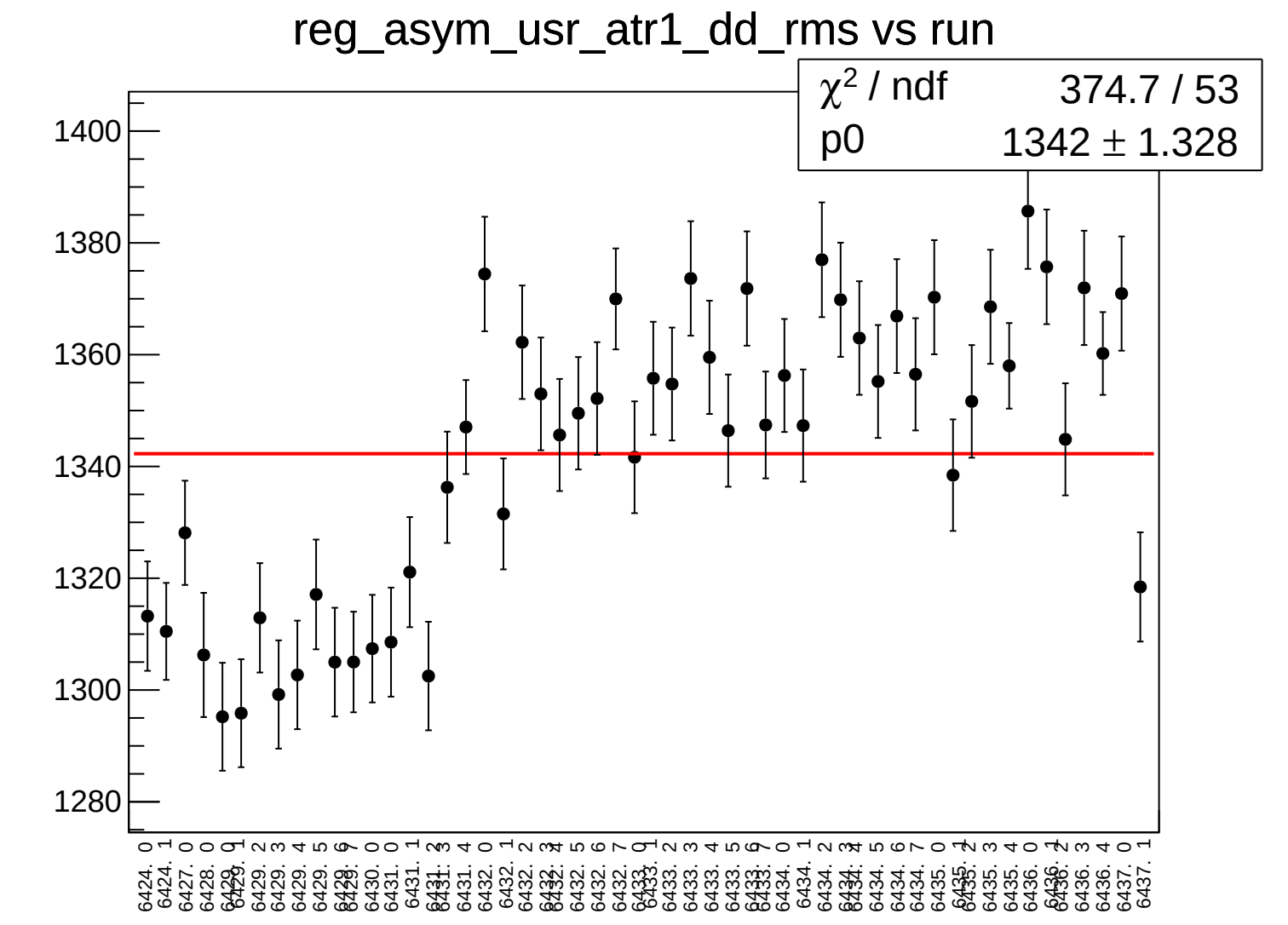

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.66 / 53
p0 3.956e−15 ± 2.748e−14
pull
Entries 54
Mean 23.61
Std Dev 9.885

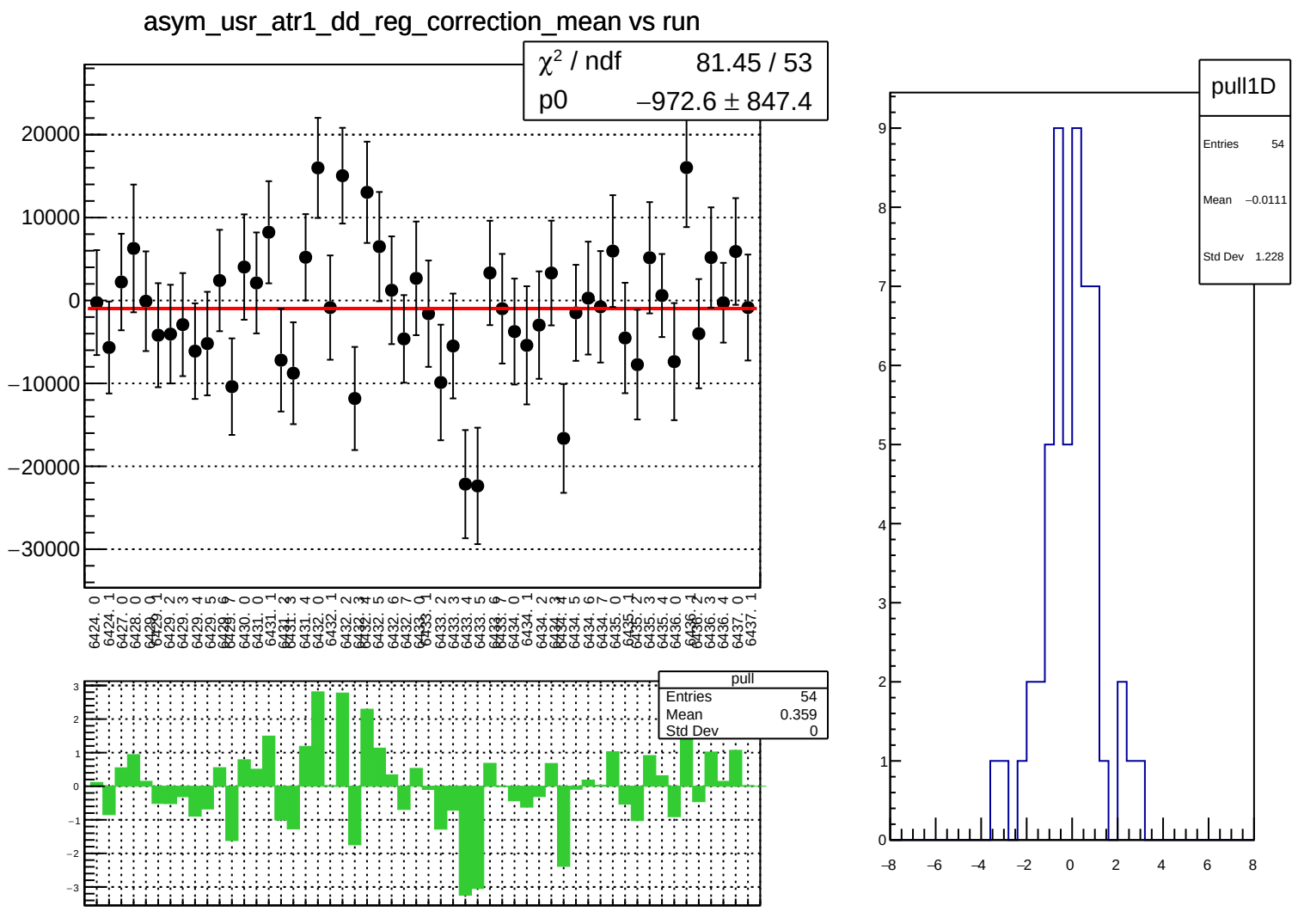

pull1D
Entries 54
Mean 0.1028
Std Dev 1.081

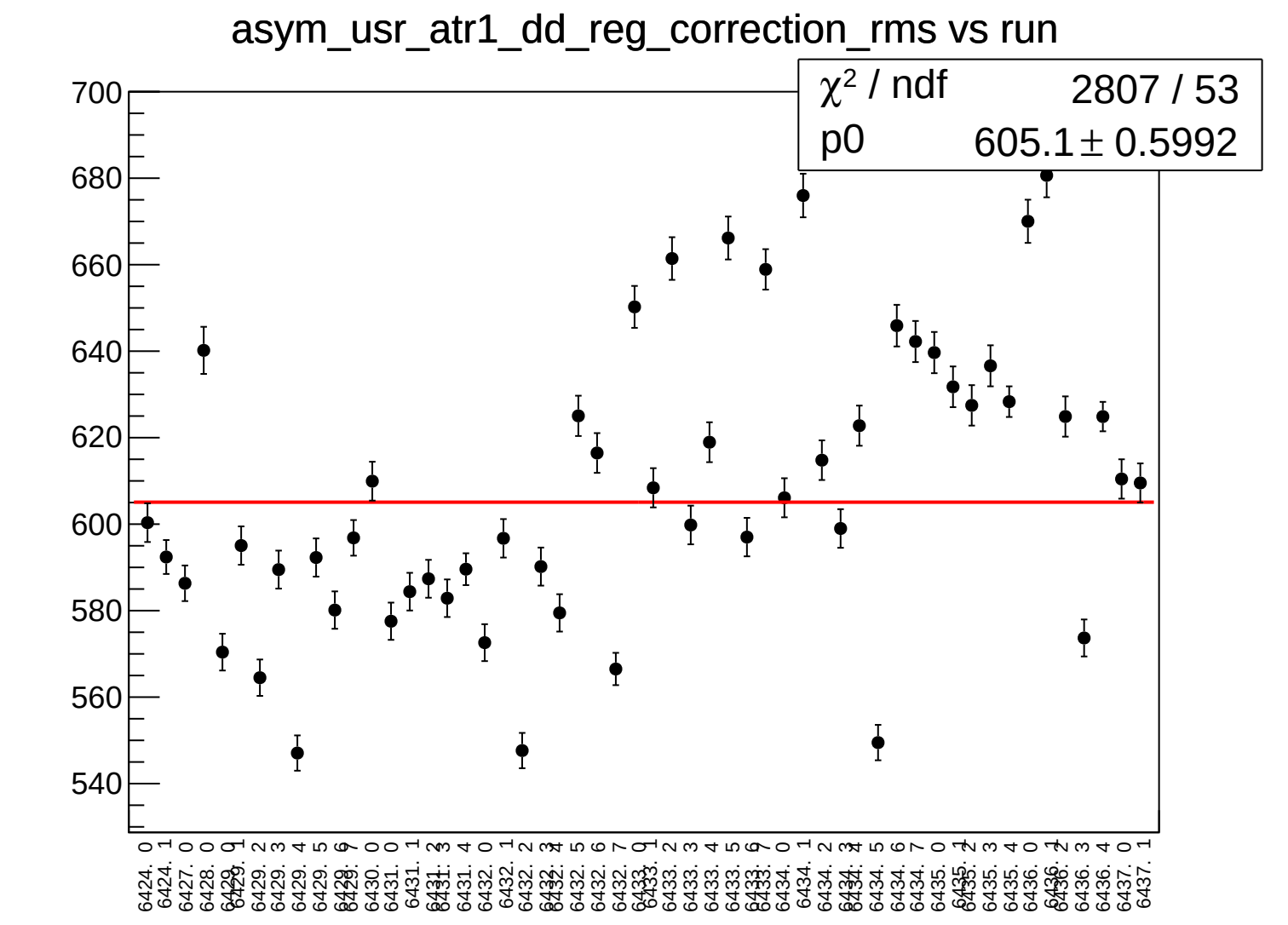

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.908e+05 / 53
p0 1.417e−11 ± 1.943e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

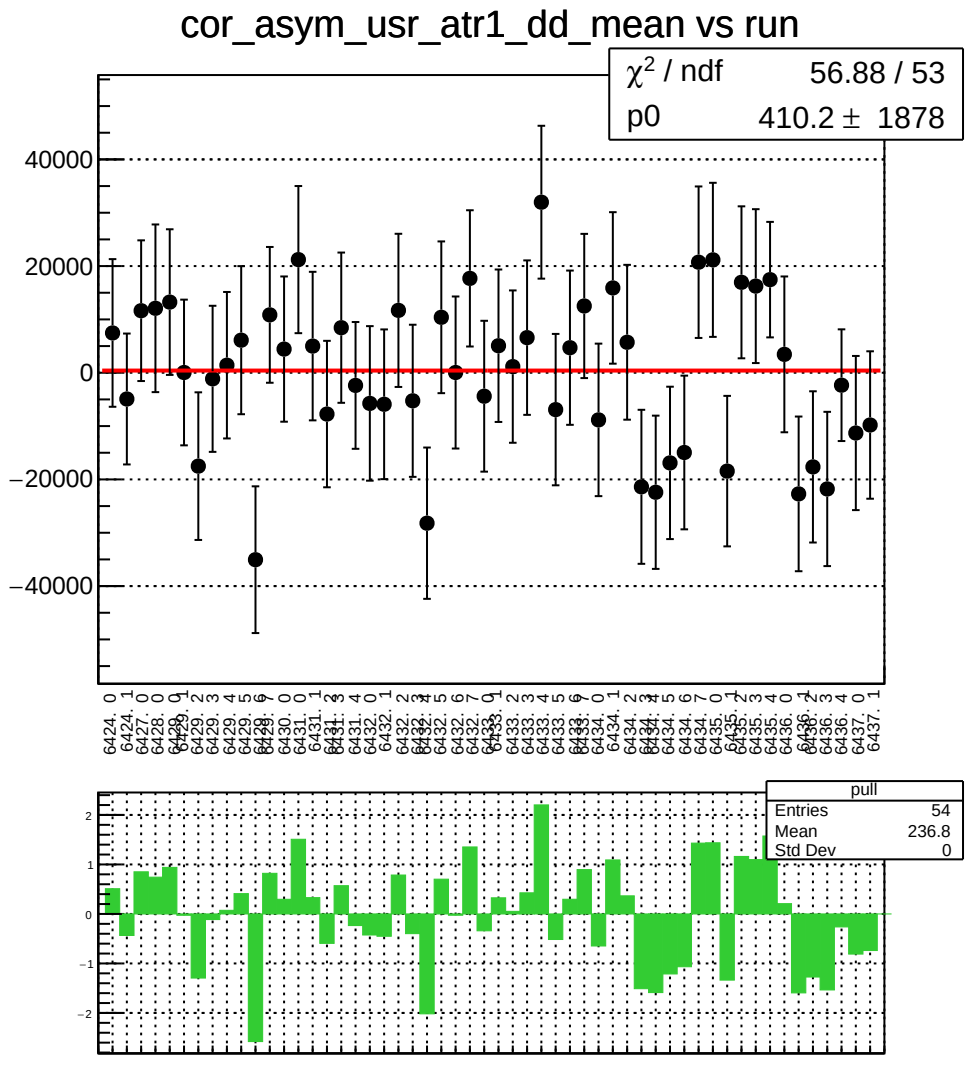

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 56.87 / 53
p0 409.9 ± 1878
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 236.9
Std Dev 0
2
1
0
−1
−2

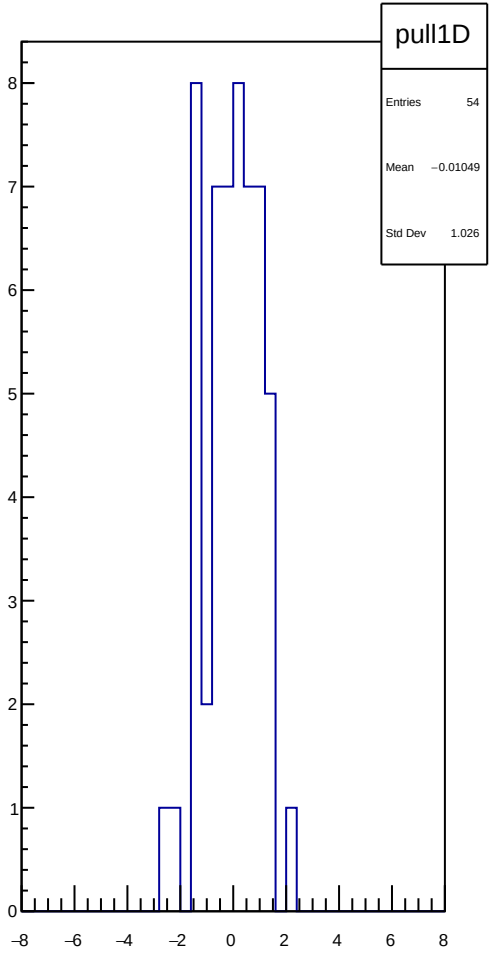

pull1D
Entries 54
Mean −0.01049
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

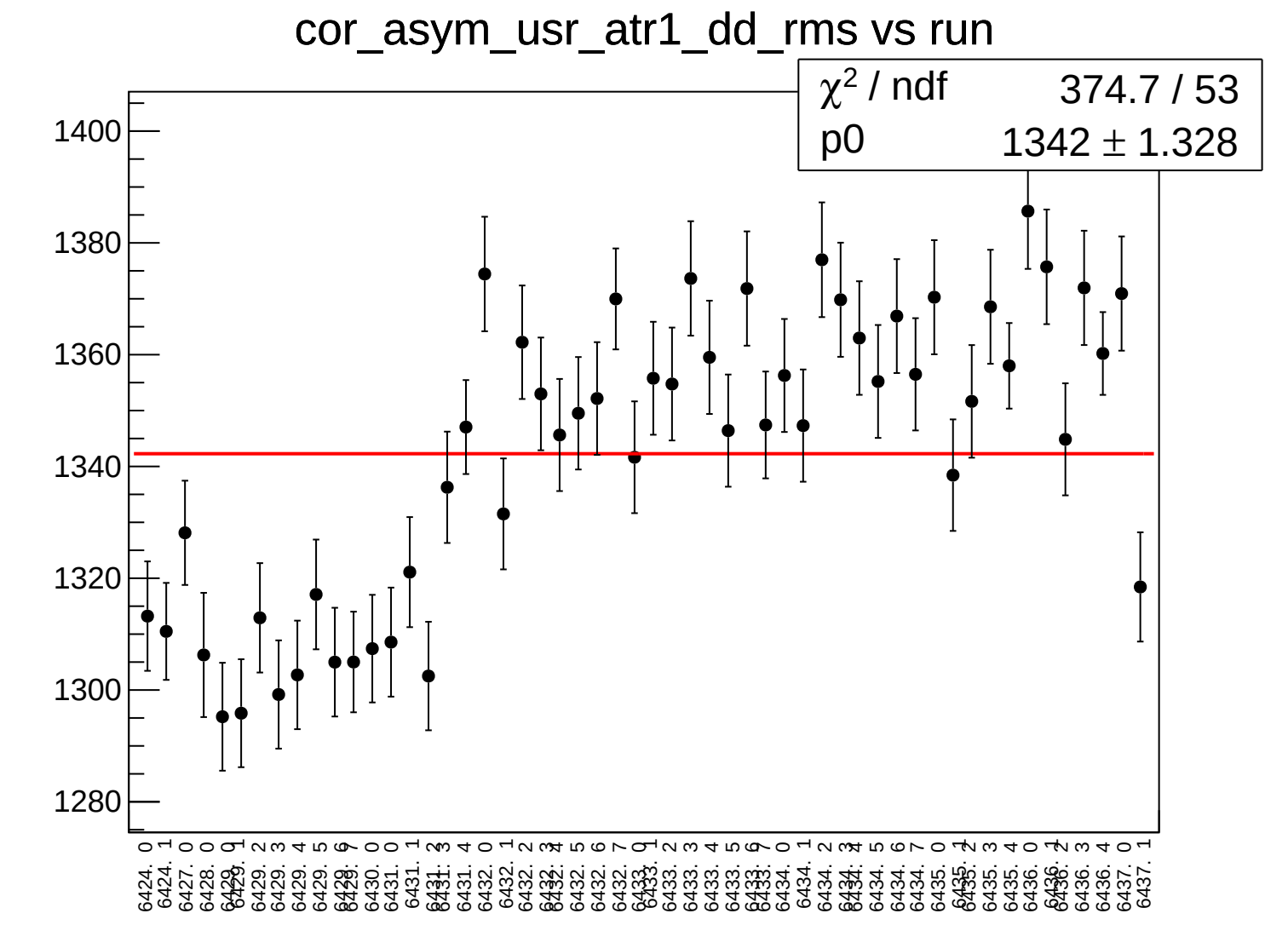

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 374.7 / 53
p0 1342 ± 1.328
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

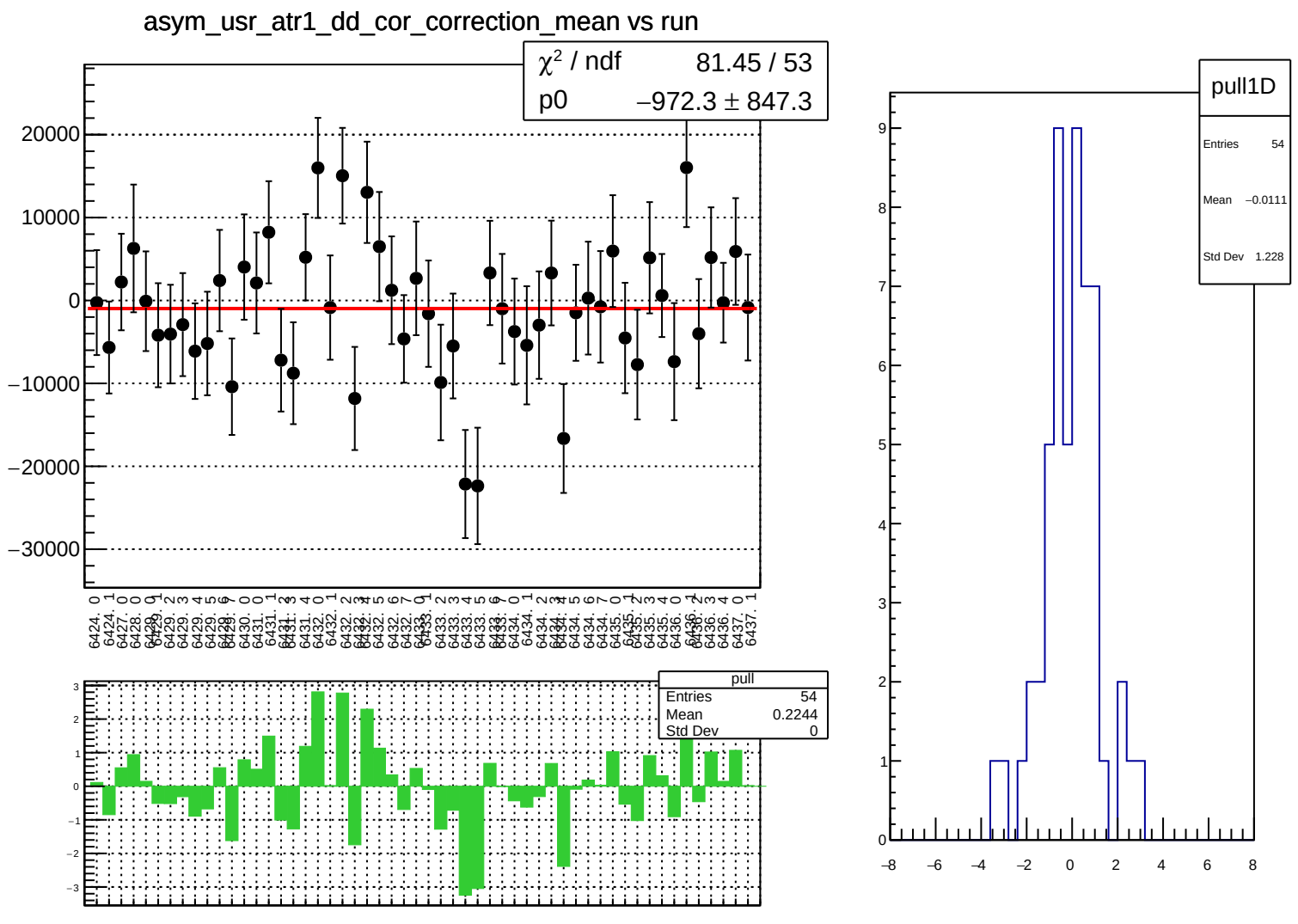

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 81.45 / 53
p0 −972.6 ± 847.4
20000
10000
0
−10000
−20000
−30000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 0.359
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.0111
Std Dev 1.228
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

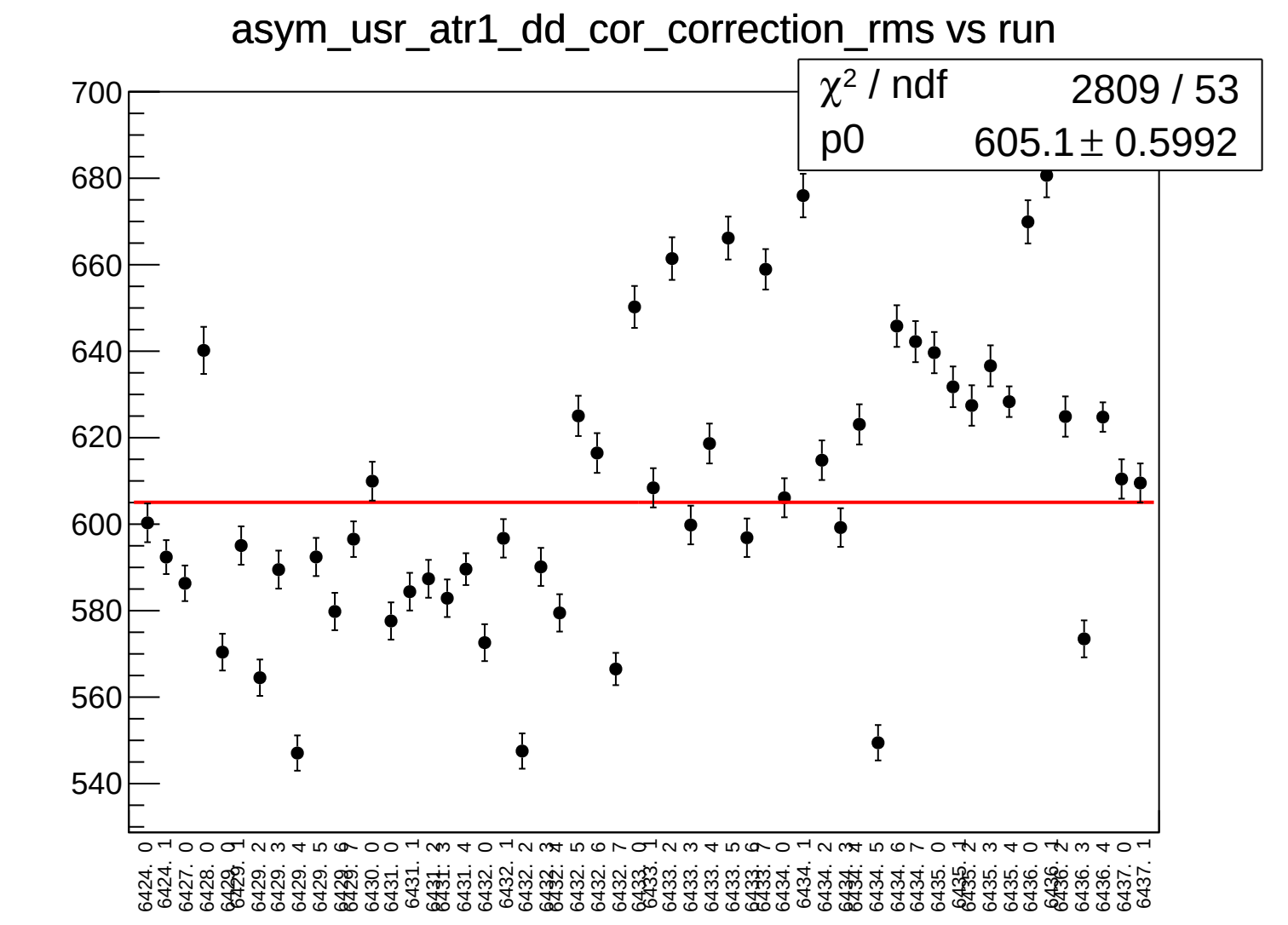

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 2807 / 53
p0 605.1 ± 0.5992
700
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

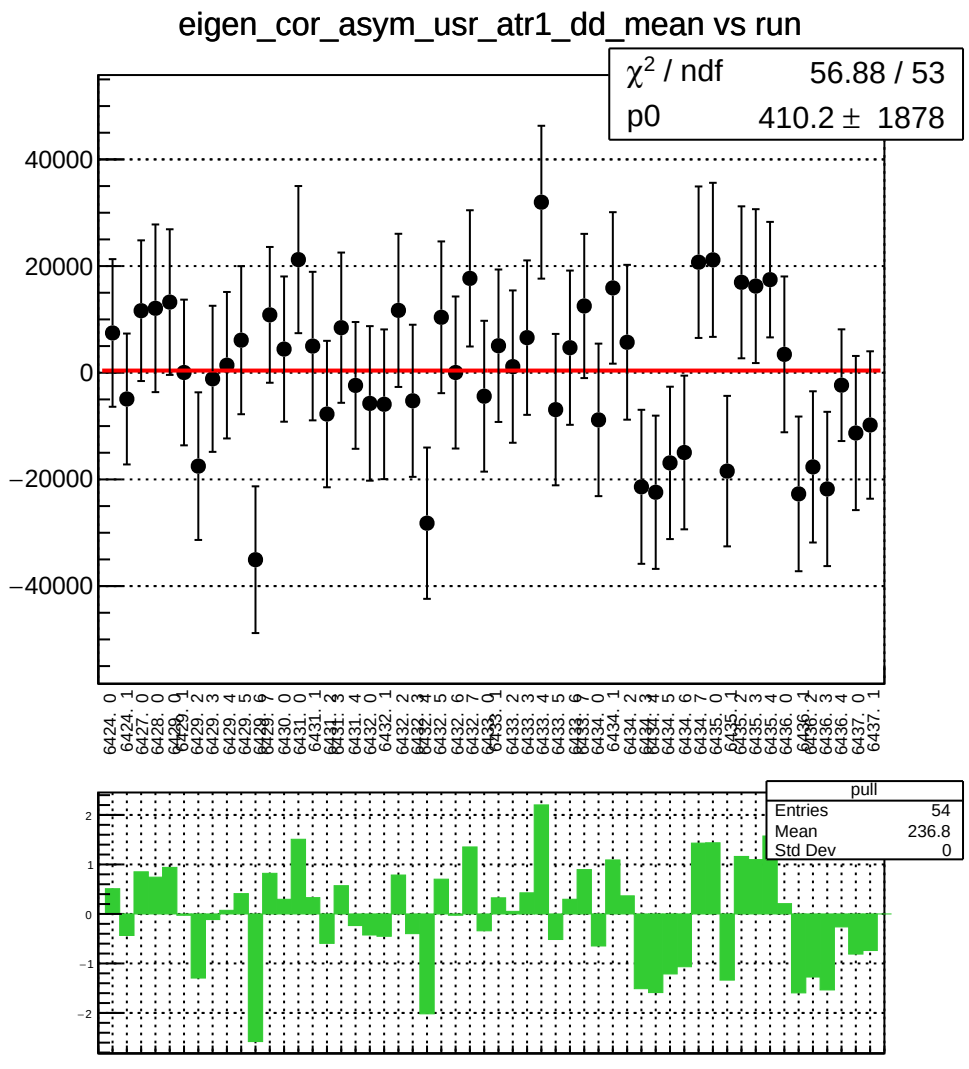

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 56.88 / 53
p0 410.2 ± 1878
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 236.8
Std Dev 0
2
1
0
−1
−2

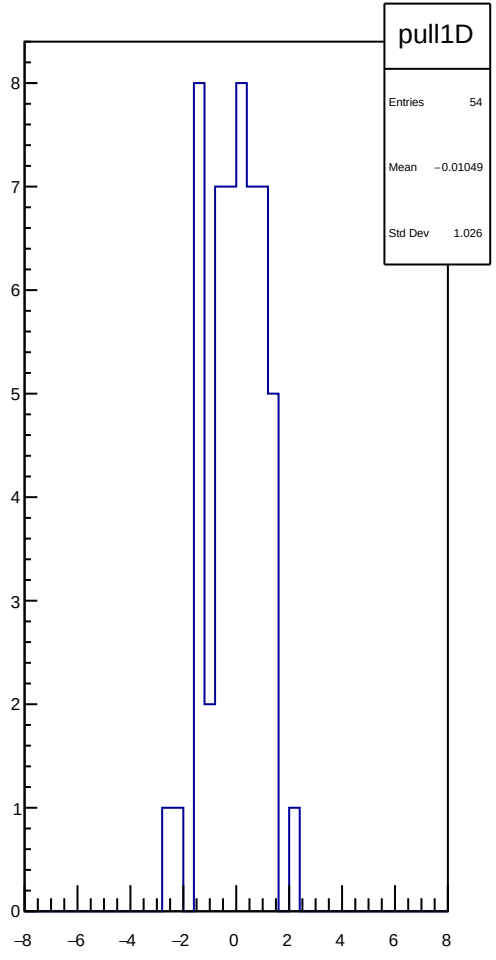

pull1D
Entries 54
Mean −0.01049
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

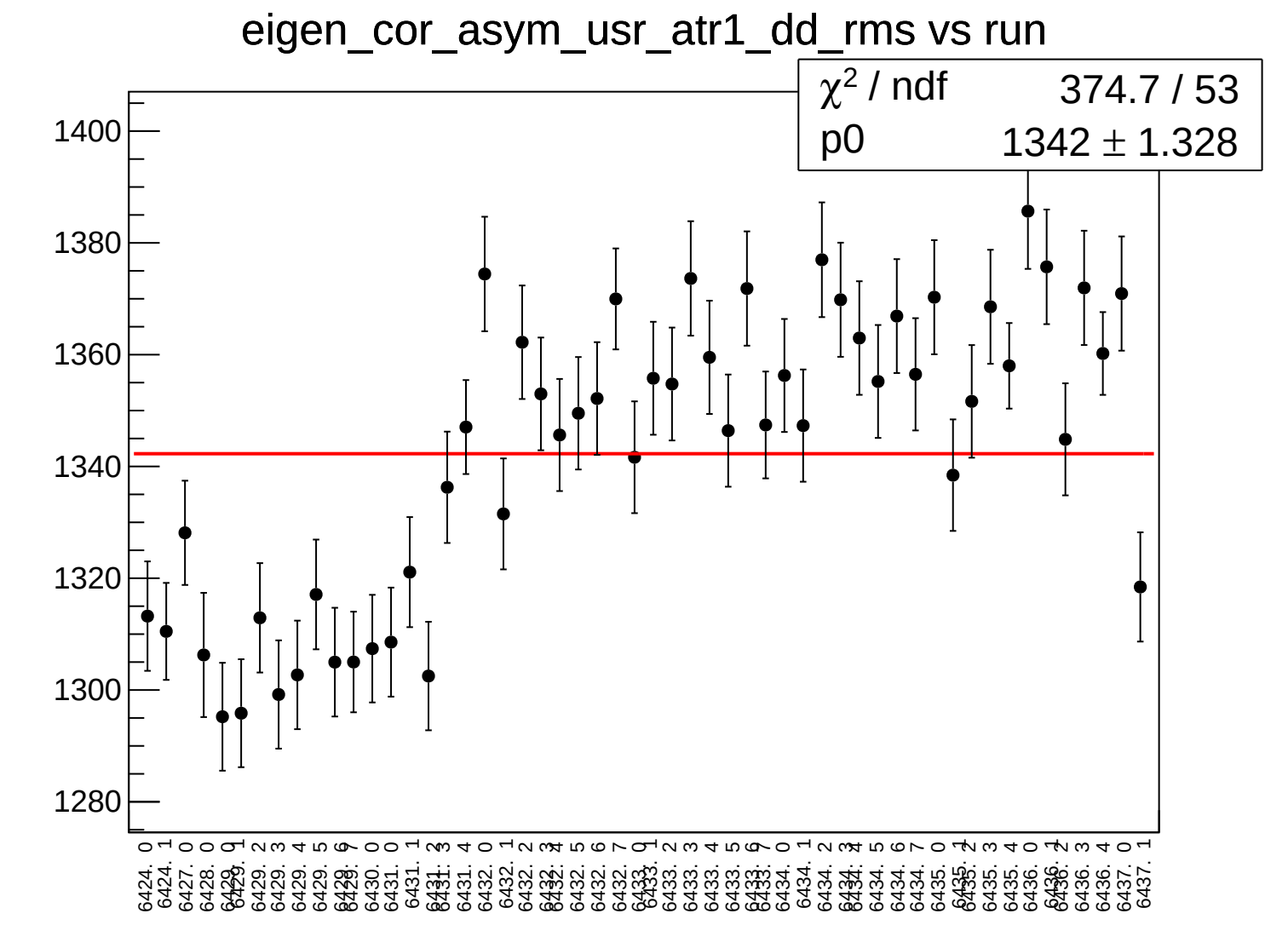

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 374.7 / 53
p0 1342 ± 1.328
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

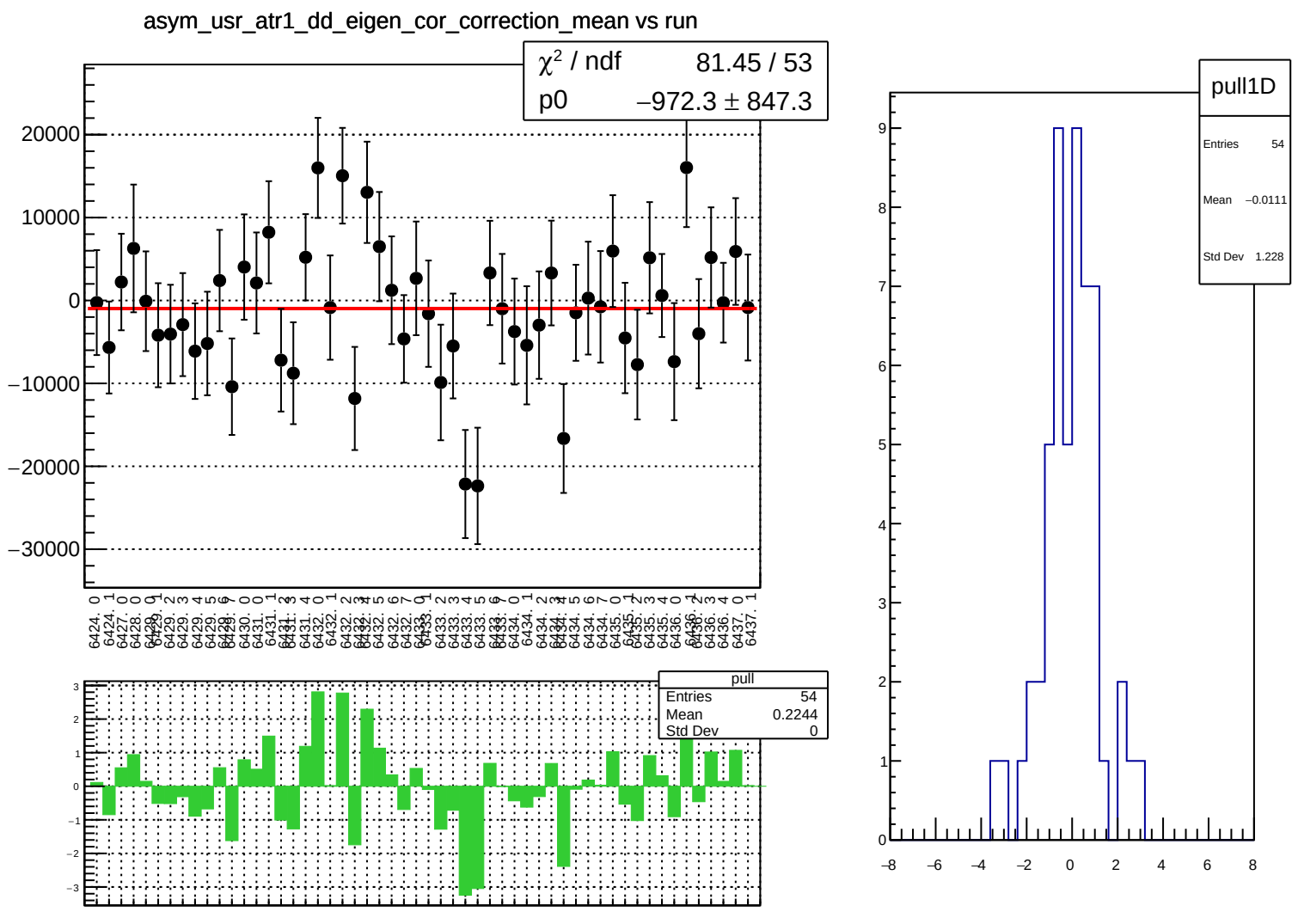

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 81.45 / 53
p0 −972.3 ± 847.3
20000
10000
0
−10000
−20000
−30000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 0.2244
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.0111
Std Dev 1.228
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

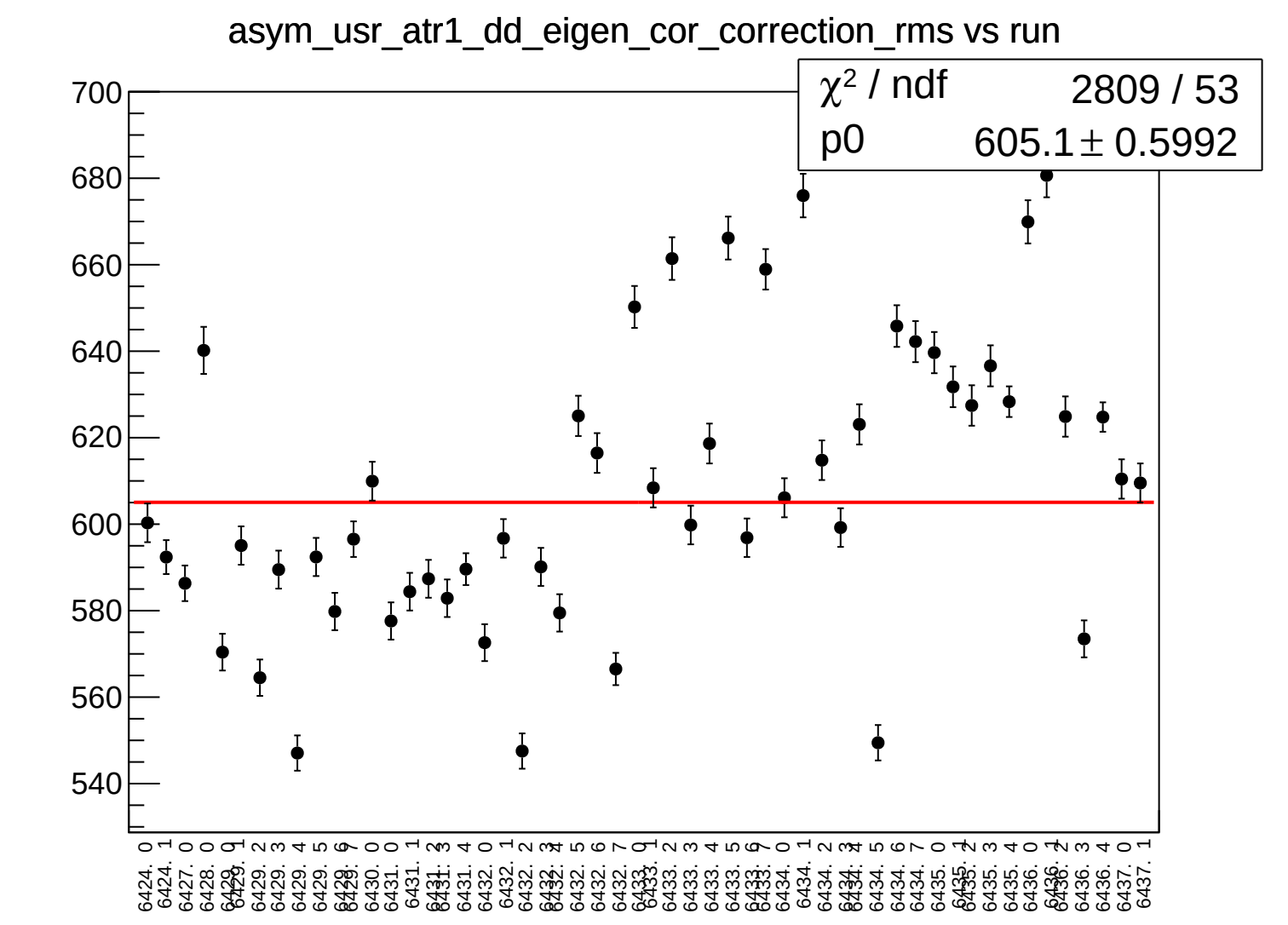

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 2809 / 53
p0 605.1 ± 0.5992
700
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

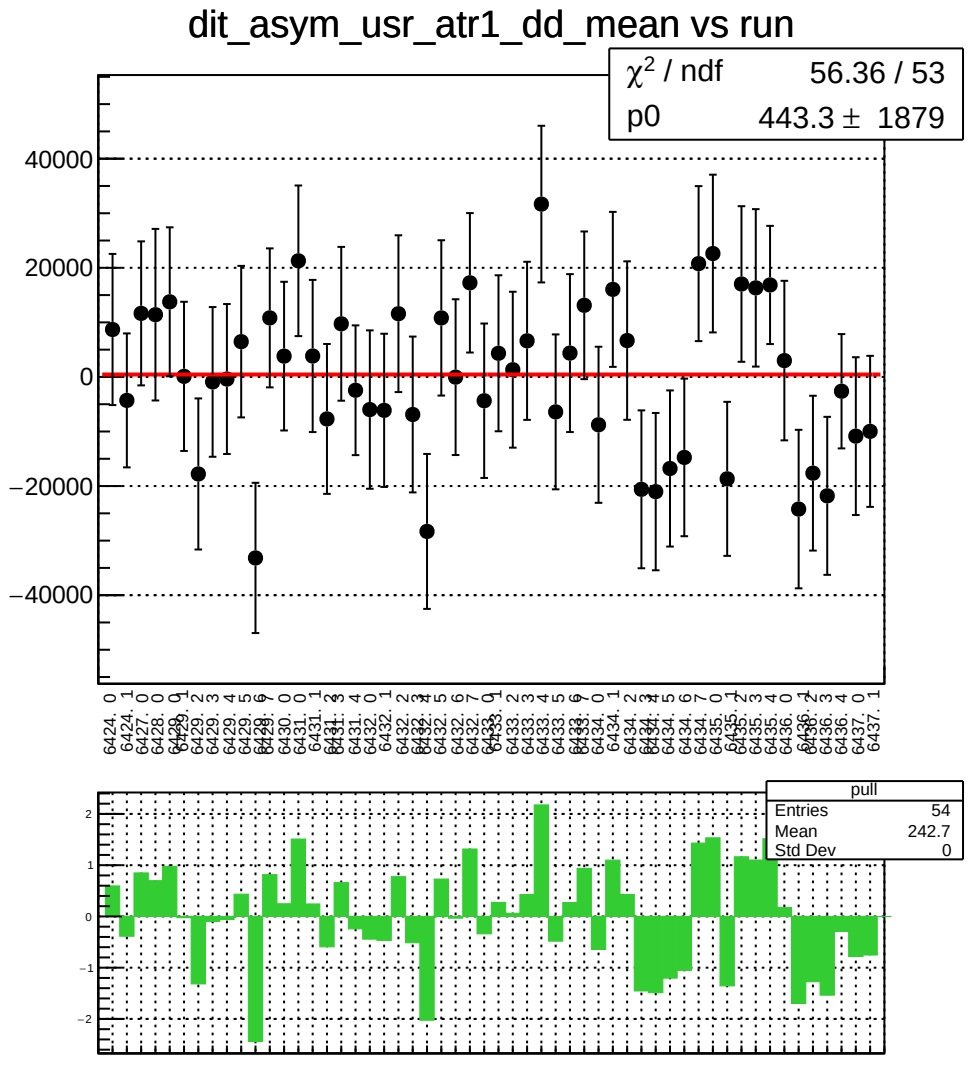

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 56.88 / 53
p0 410.2 ± 1878
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 236.8
Std Dev 0
2
1
0
−1
−2

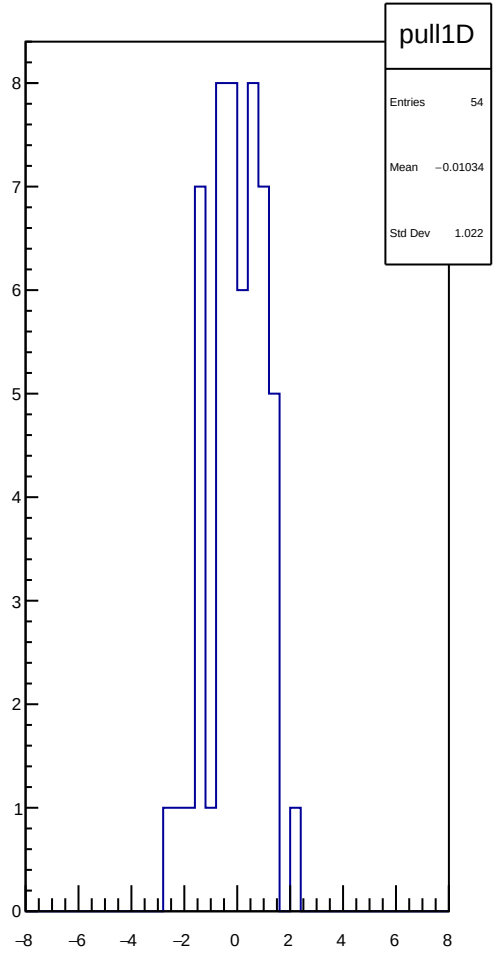

pull1D
Entries 54
Mean −0.01049
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

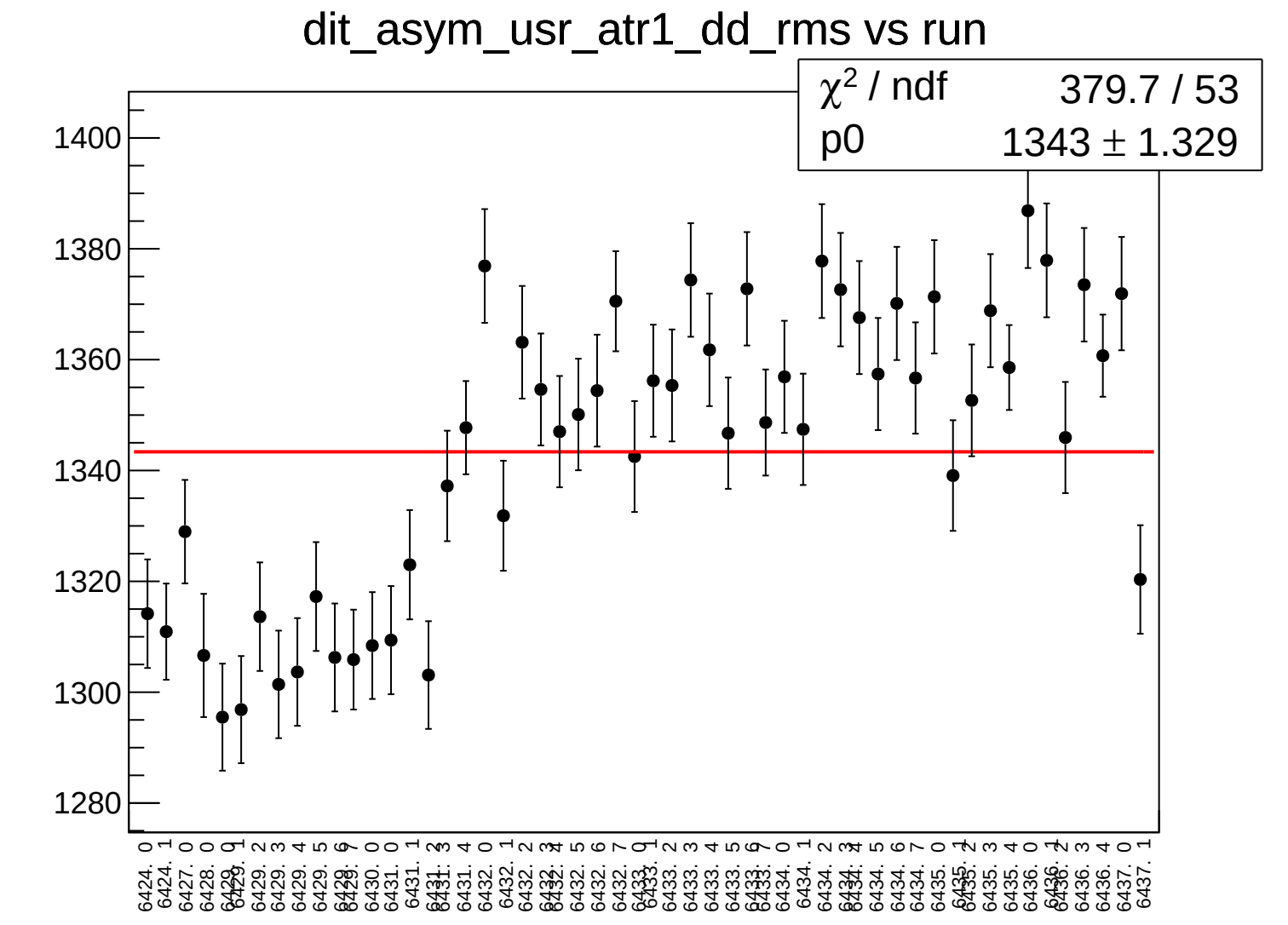

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 374.7 / 53
p0 1342 ± 1.328
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

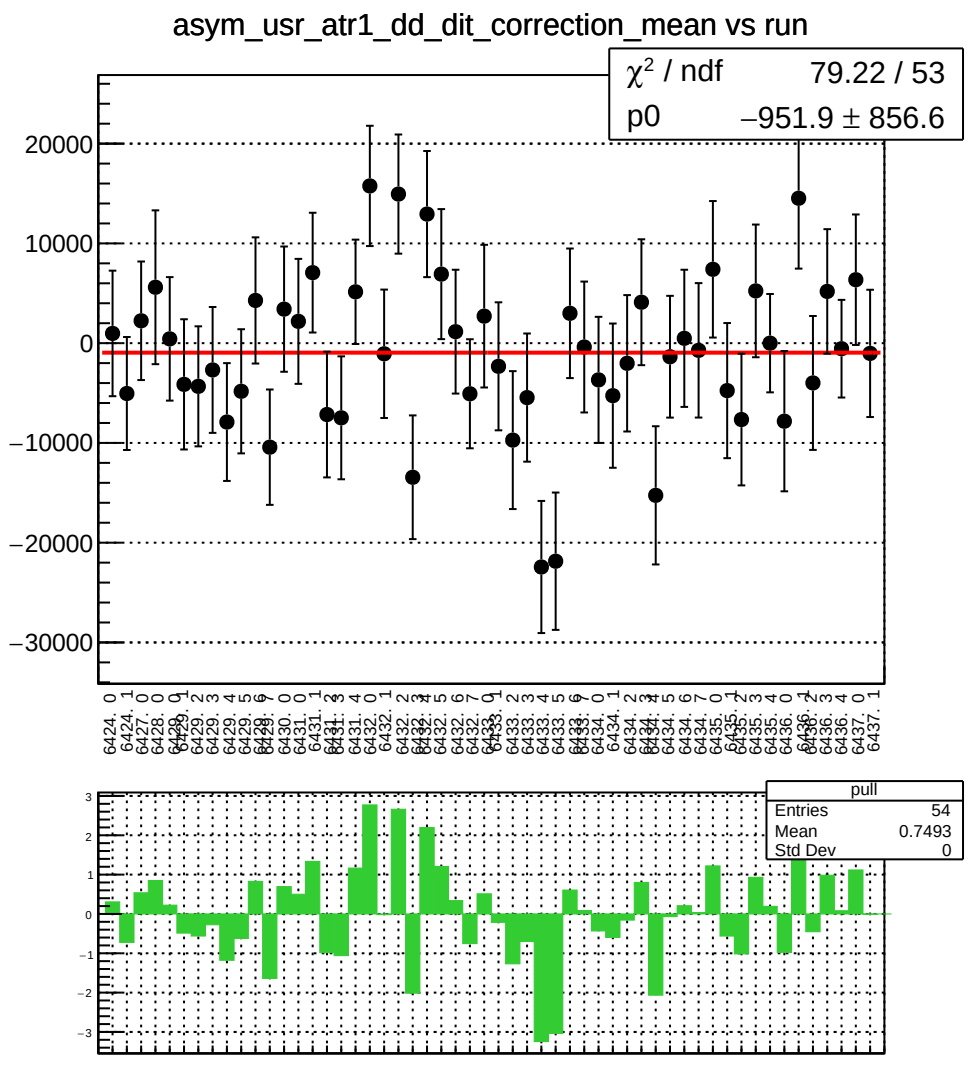

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.45 / 53
p0 −972.3 ± 847.3
pull
Entries 54
Mean 0.2244
Std Dev 0
pull1D
Entries 54
Mean −0.0111
Std Dev 1.228

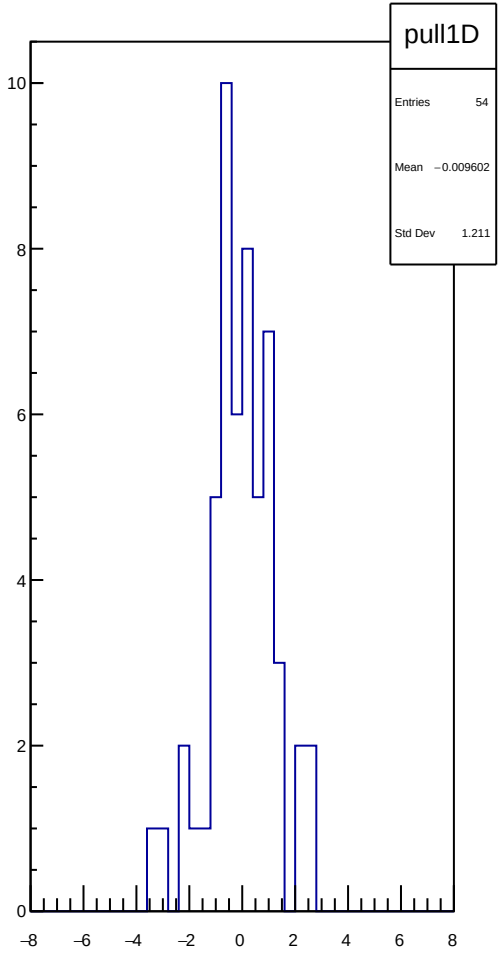

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2809 / 53
p0 605.1 ± 0.5992
700
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

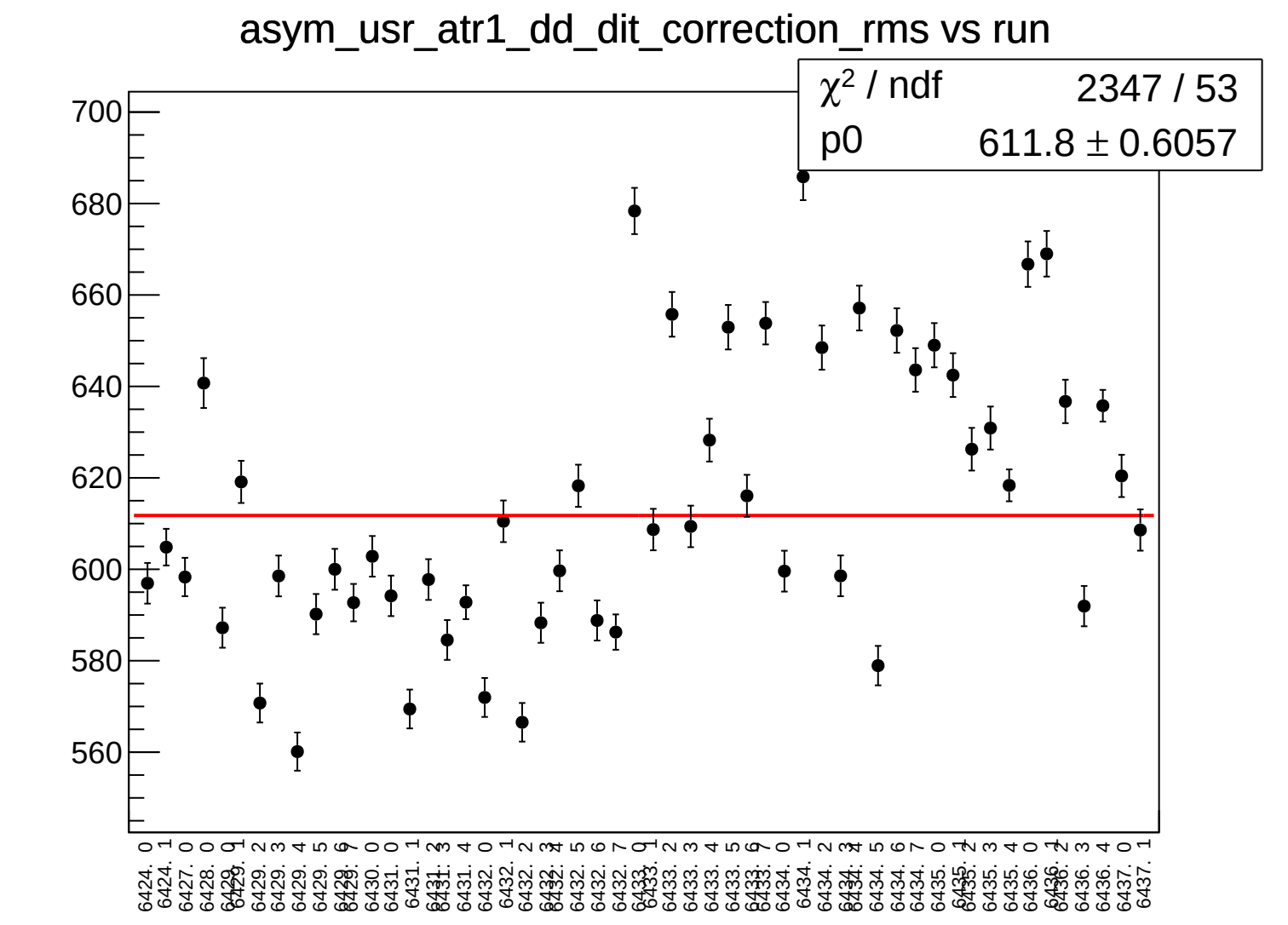

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 56.36 / 53
p0 443.3 ± 1879
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 242.7
Std Dev 0
2
1
0
−1
−2

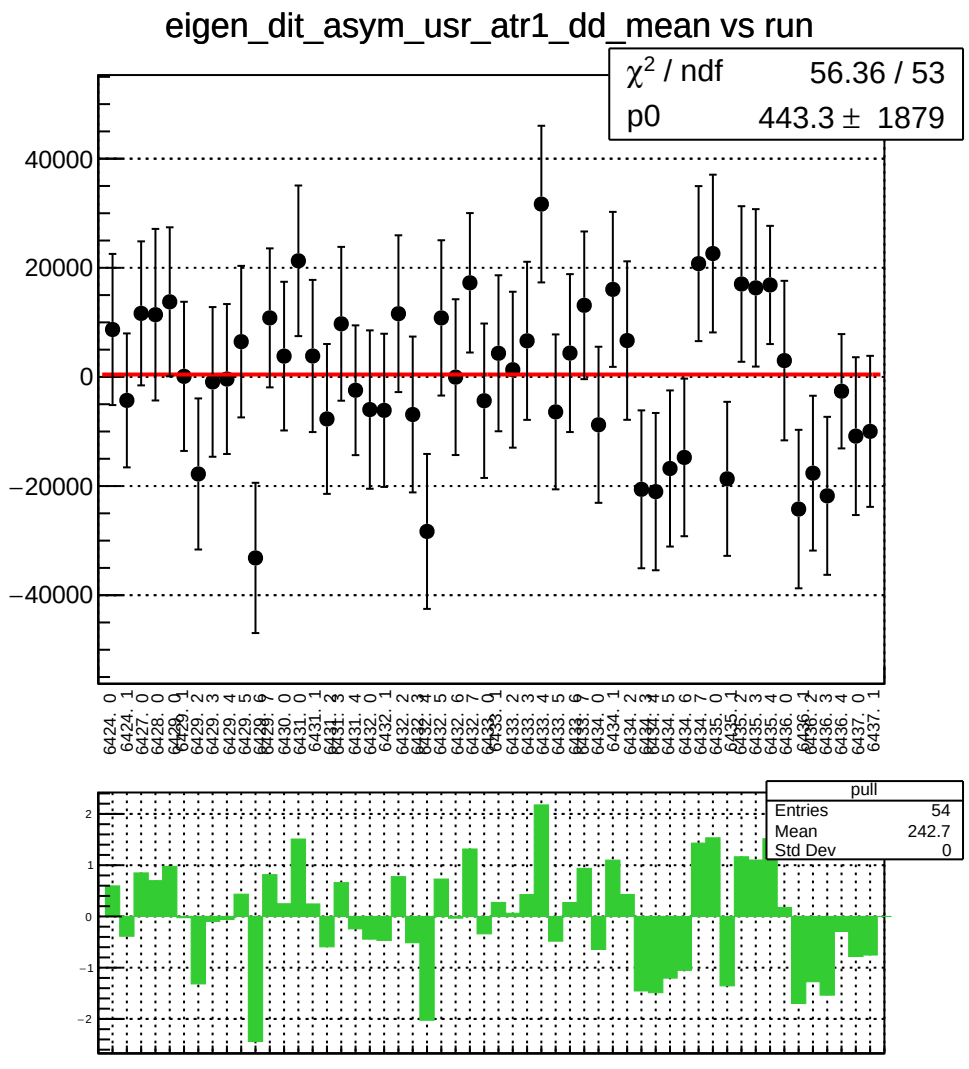

pull1D
Entries 54
Mean −0.01034
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

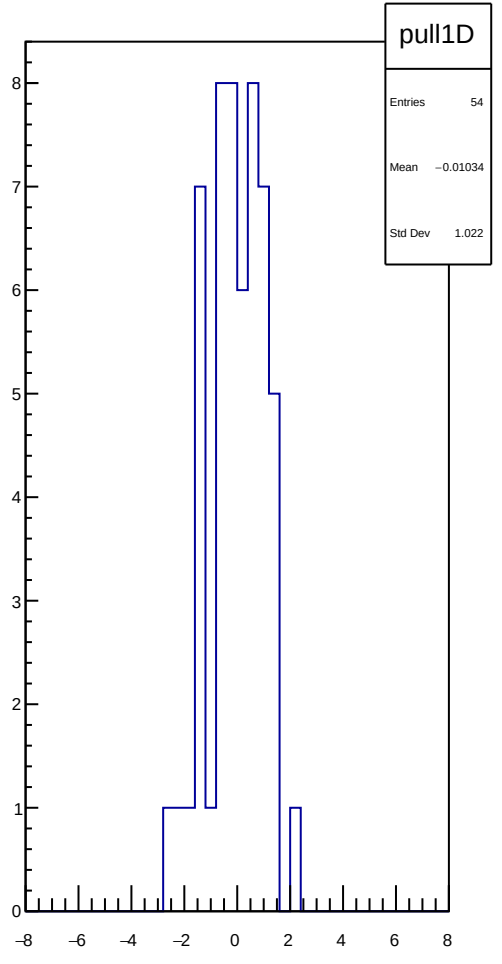

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 379.7 / 53
p0 1343 ± 1.329
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

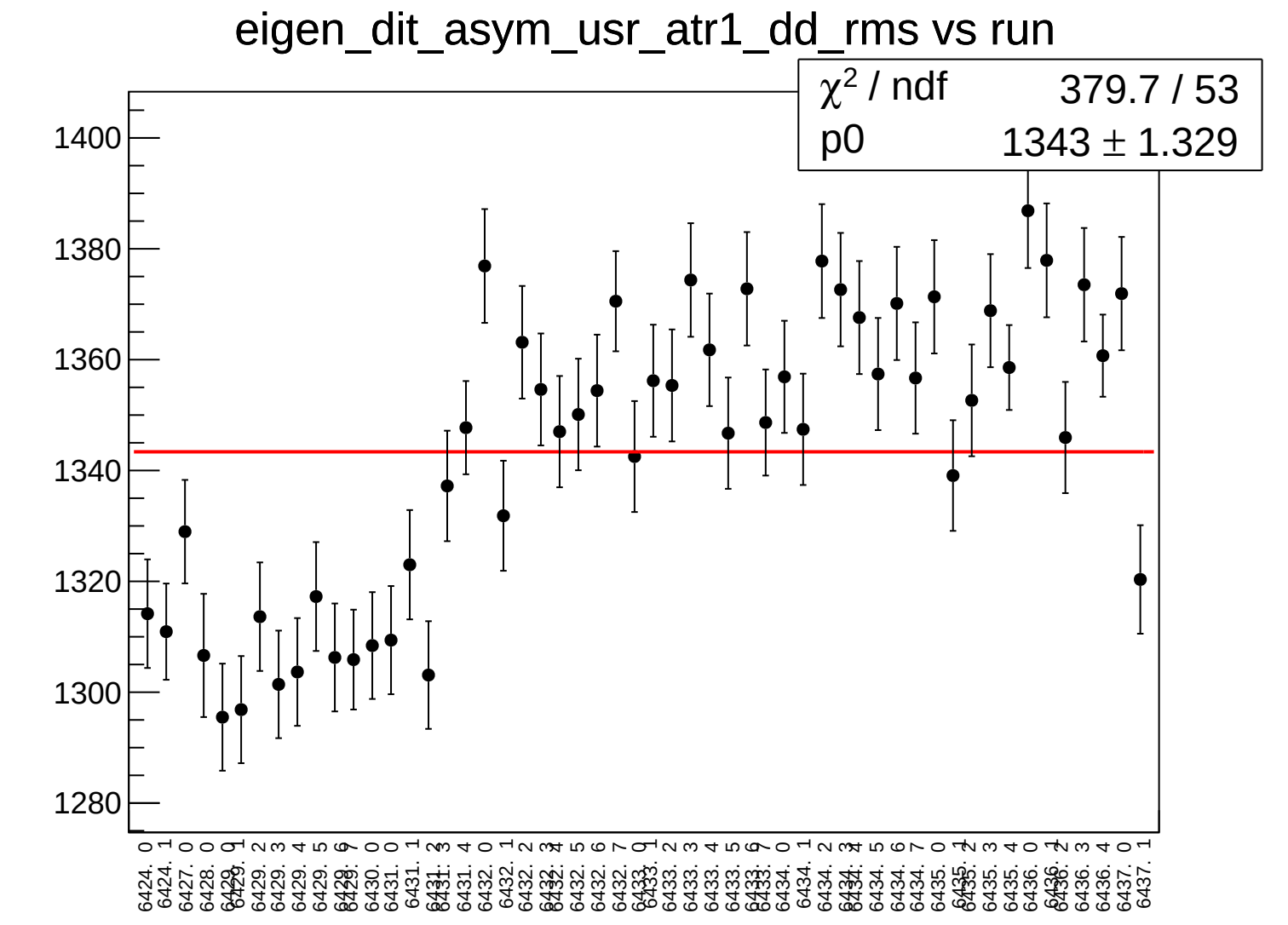

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 79.22 / 53
p0 −951.9 ± 856.6
pull
Entries 54
Mean 0.7493
Std Dev 0


pull1D
Entries 54
Mean −0.009602
Std Dev 1.211


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 2347 / 53
p0 611.8 ± 0.6057
700
680
660
640
620
600
580
560
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 56.36 / 53
p0 443.3 ± 1879
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 242.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01034
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 379.7 / 53
p0 1343 ± 1.329
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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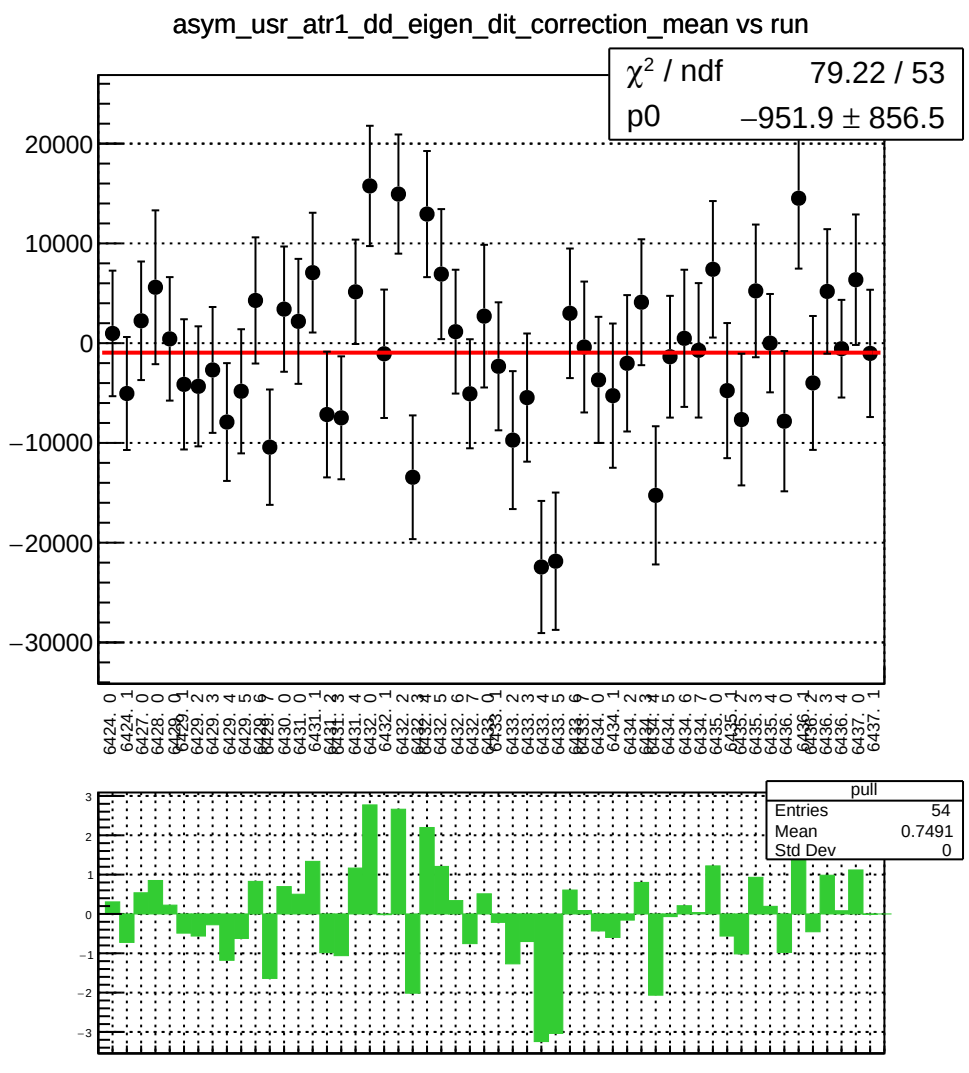
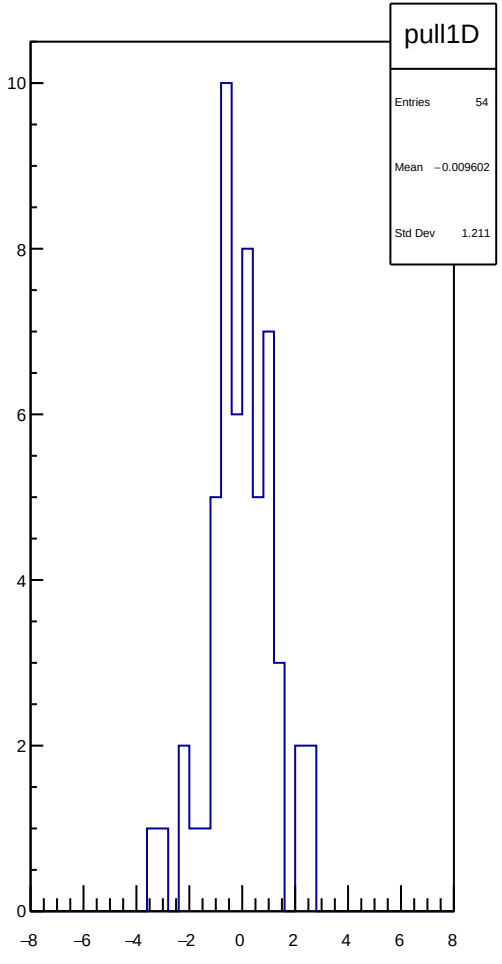
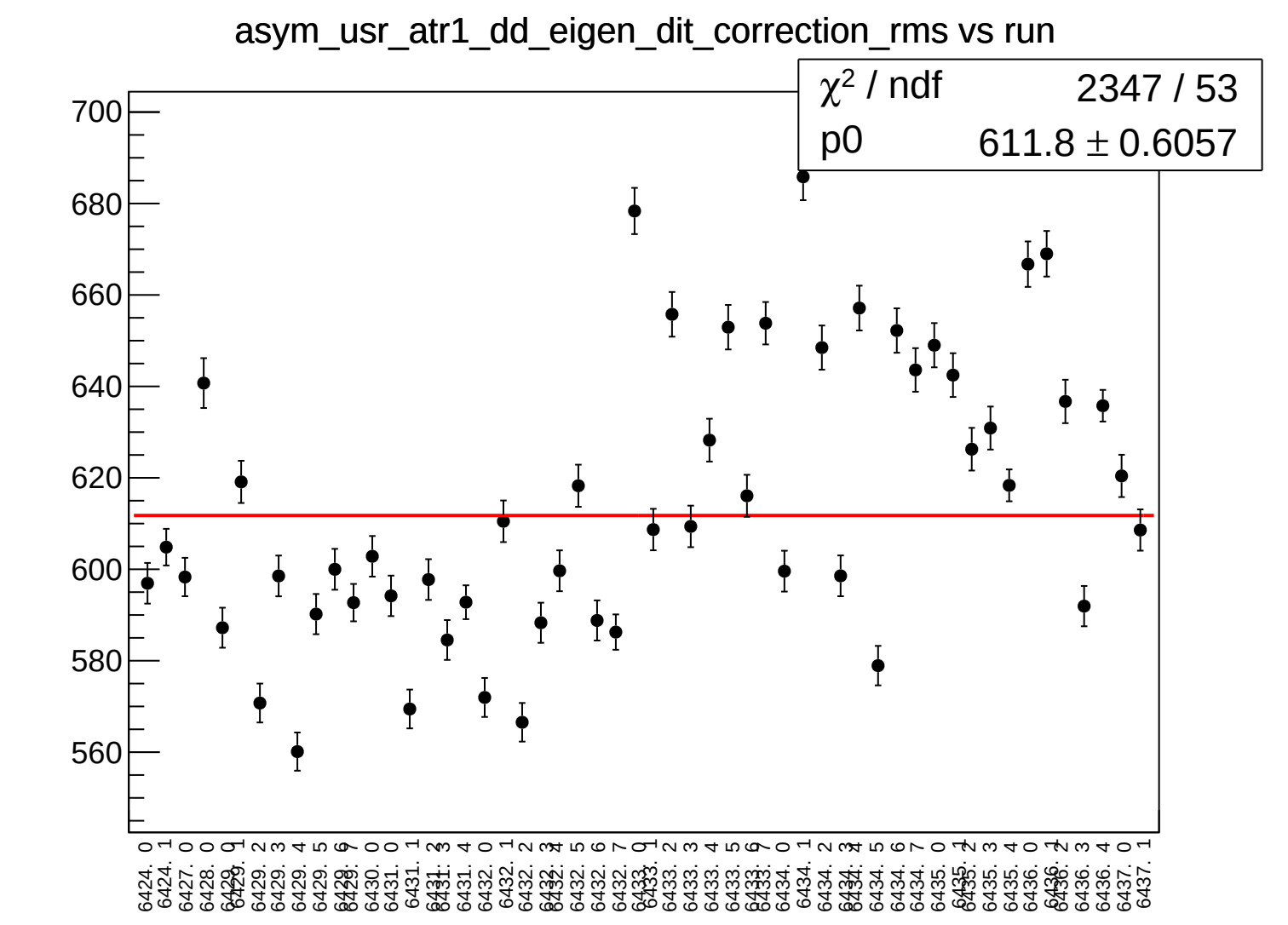
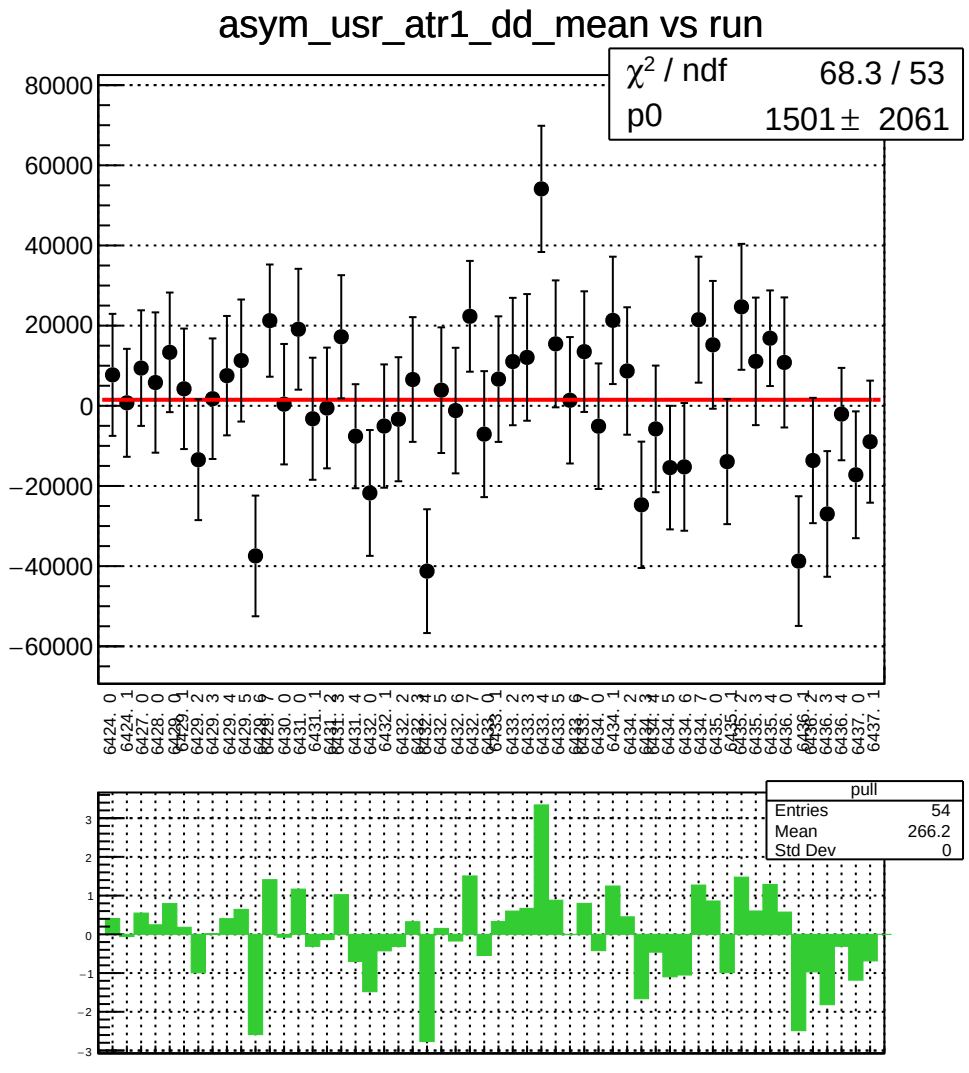
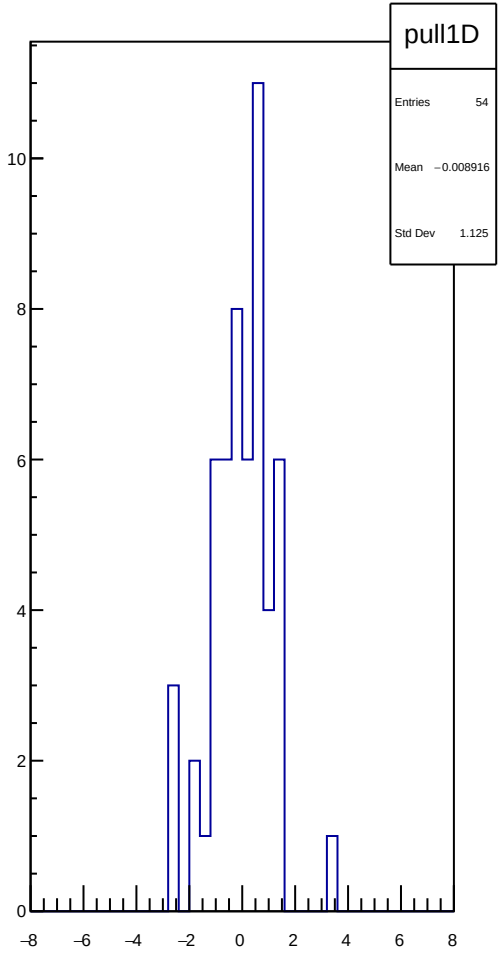
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

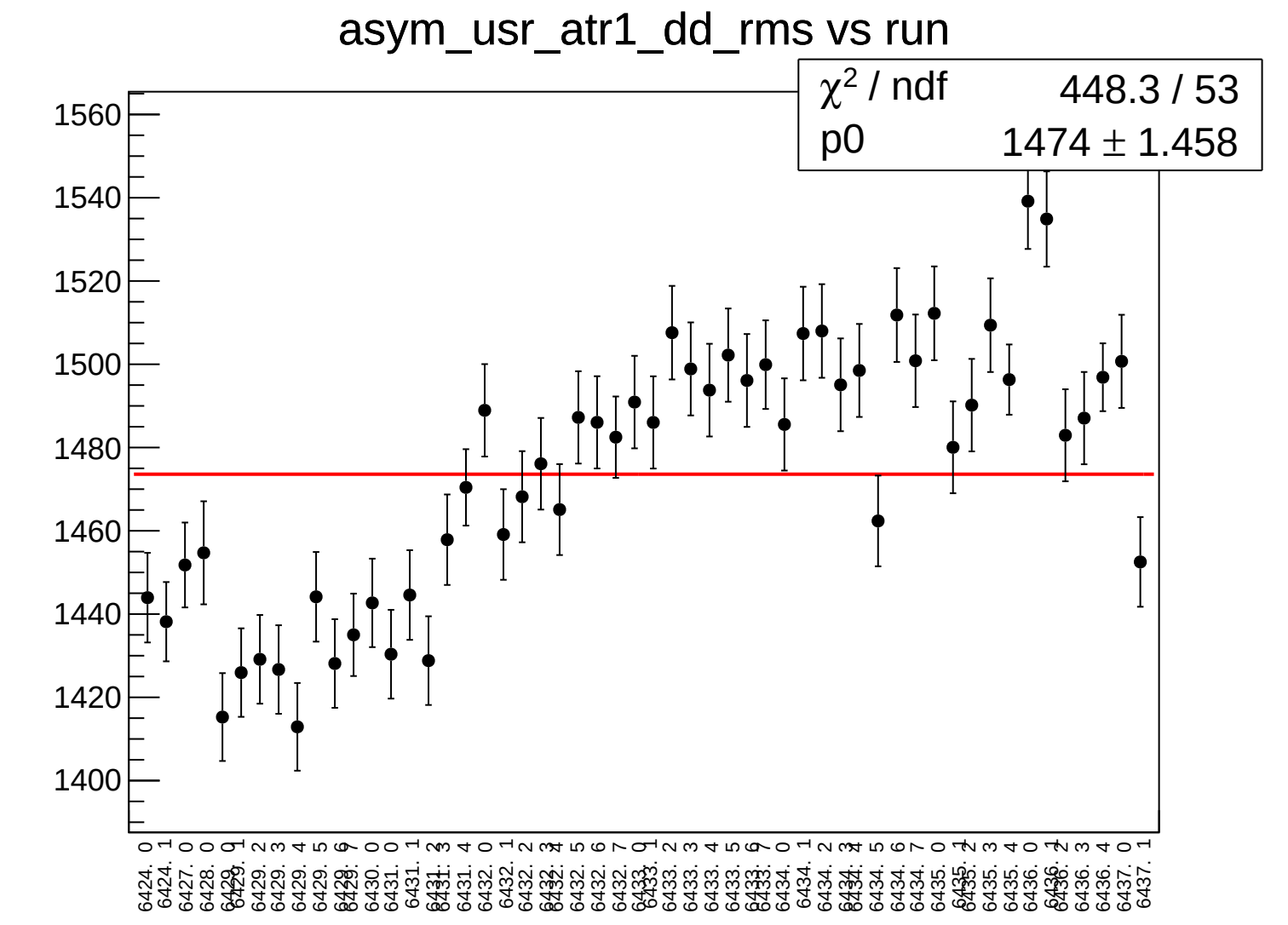

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.22 / 53
p0 −951.9 ± 856.5
pull
Entries 54
Mean 0.7491
Std Dev 0

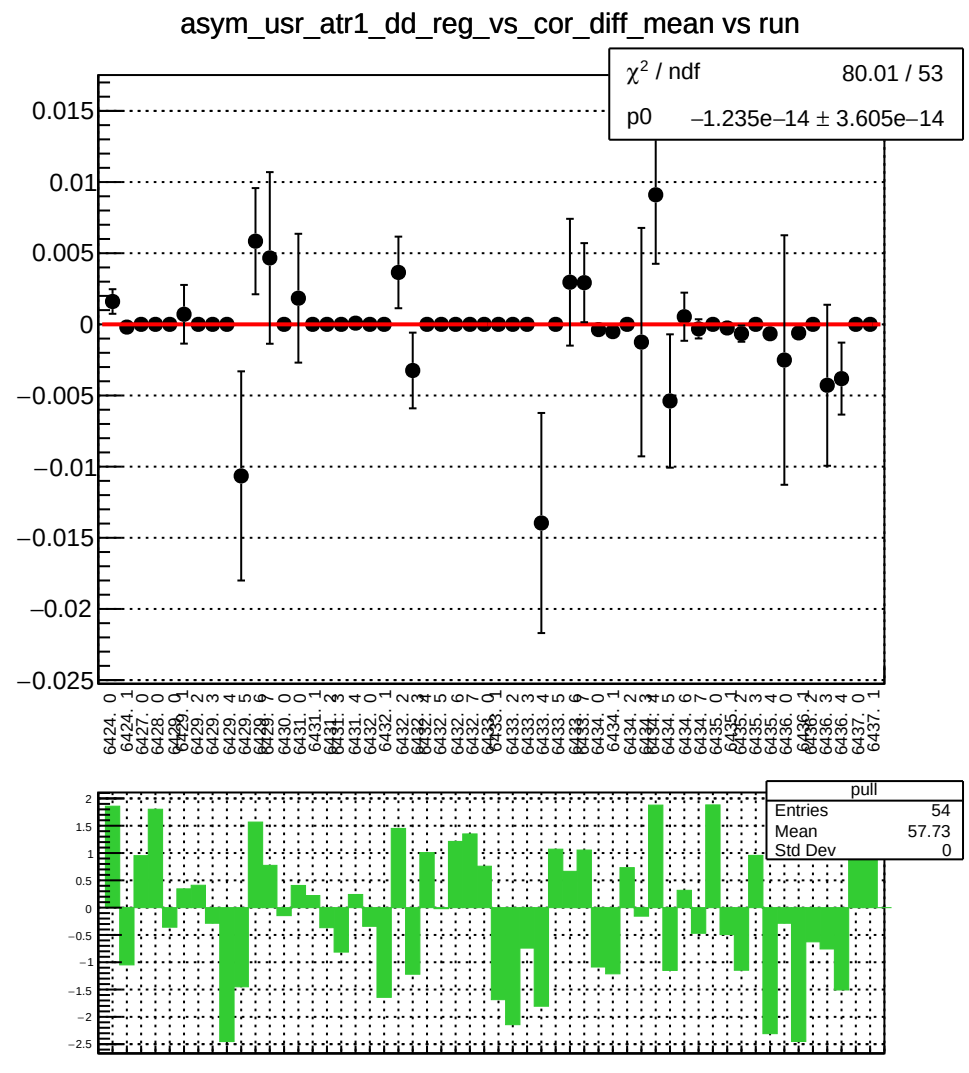

pull1D
Entries 54
Mean −0.009602
Std Dev 1.211

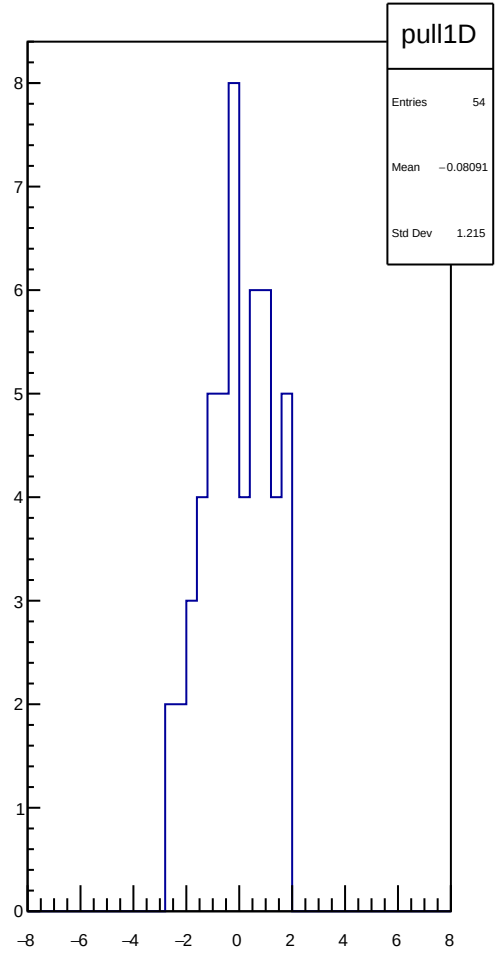

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2347 / 53
p0 611.8 ± 0.6057
700
680
660
640
620
600
580
560
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

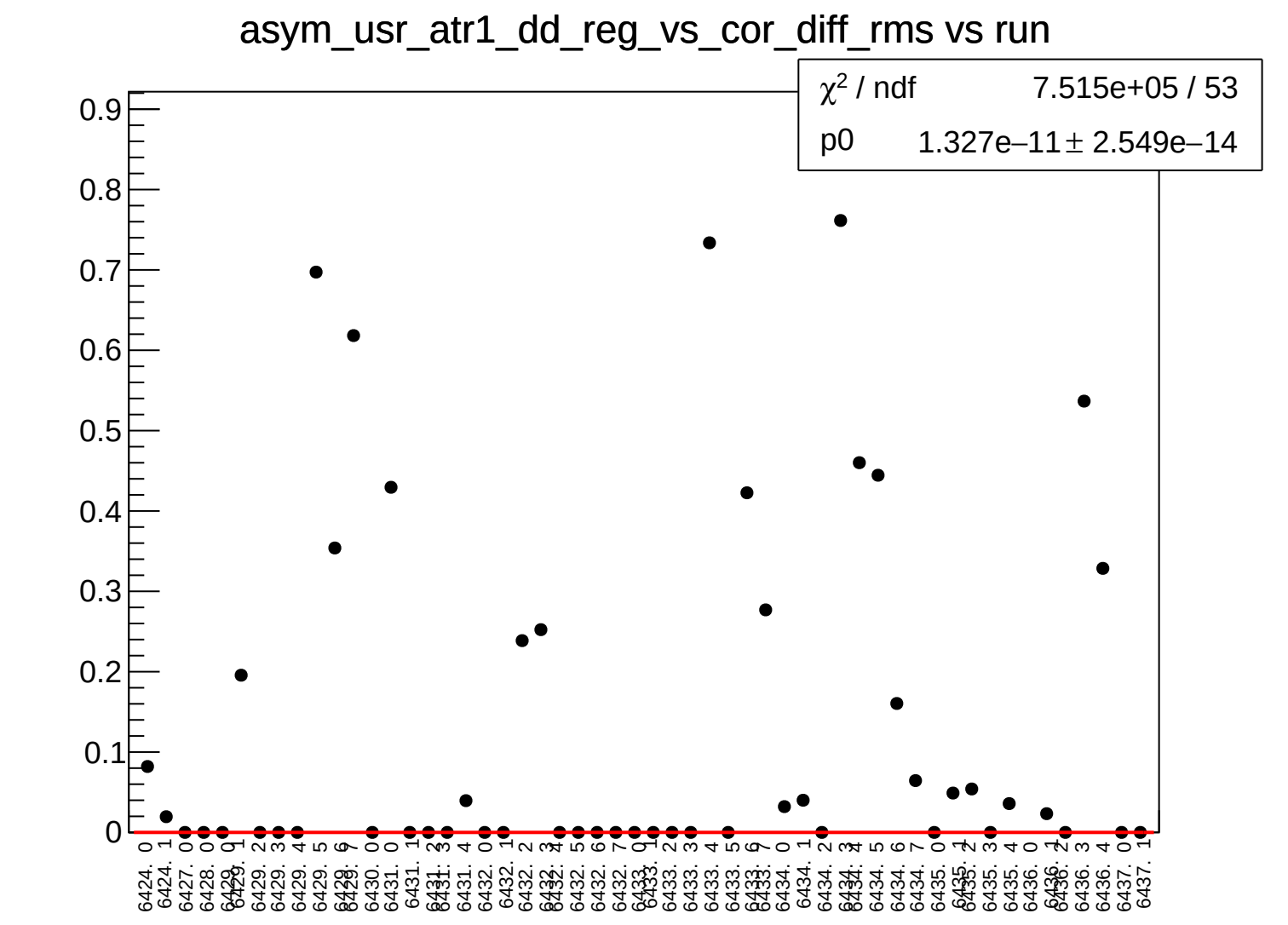

asym_usr_atr1_dd_mean vs run
χ² / ndf 68.3 / 53
p0 1501 ± 2061
pull
Entries 54
Mean 266.2
Std Dev 0

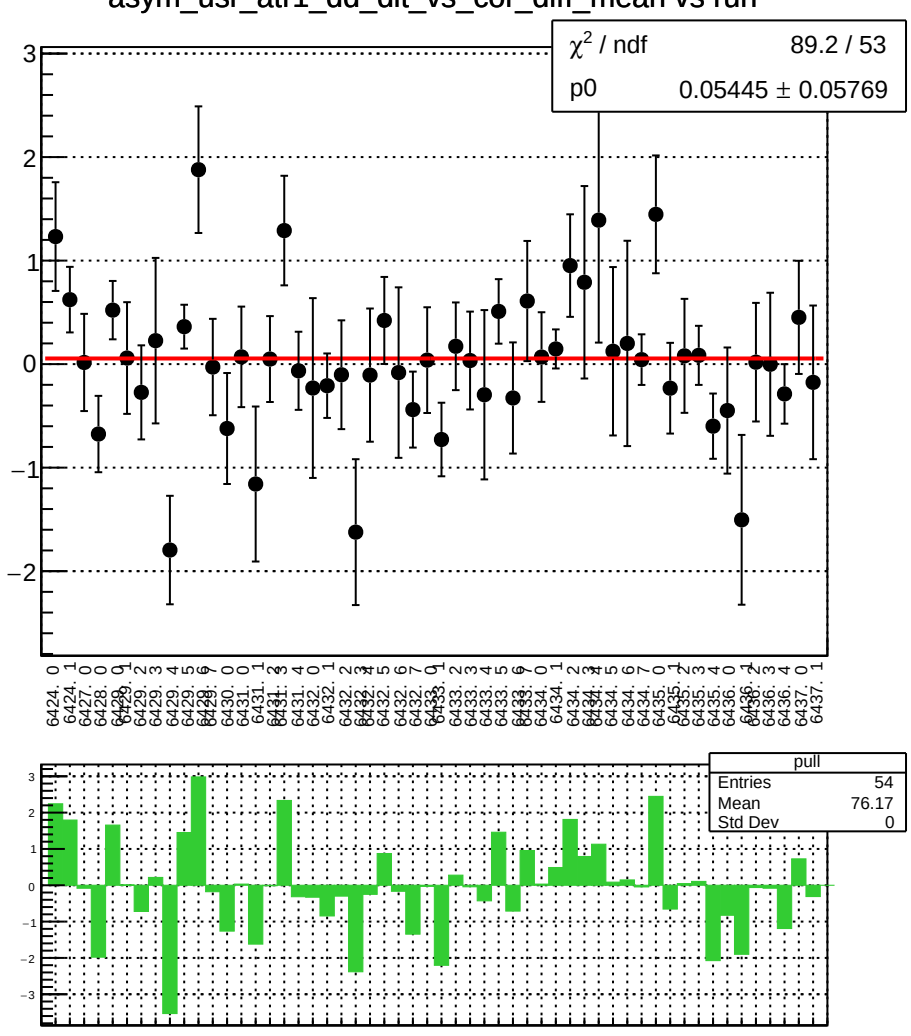

pull1D
Entries 54
Mean −0.008916
Std Dev 1.125

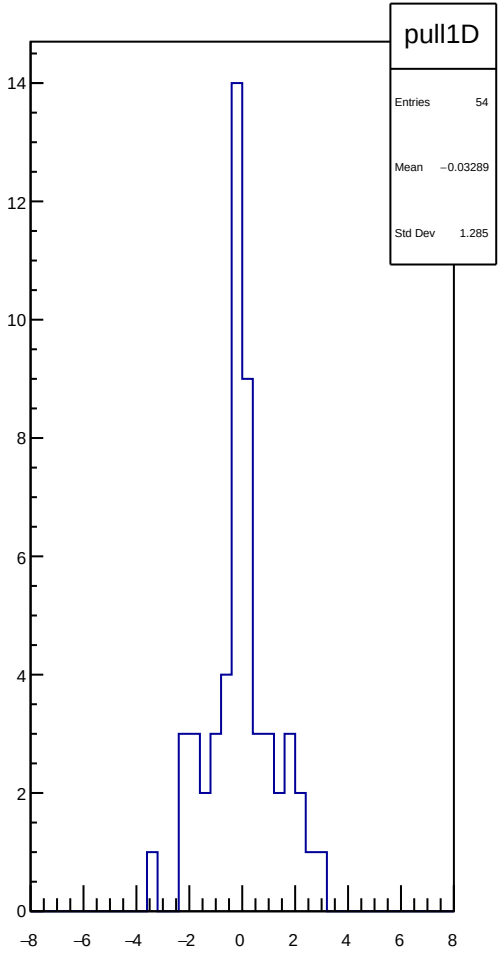

asym_usr_atr1_dd_rms vs run
χ² / ndf 448.3 / 53
p0 1474 ± 1.458
1560
1540
1520
1500
1480
1460
1440
1420
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

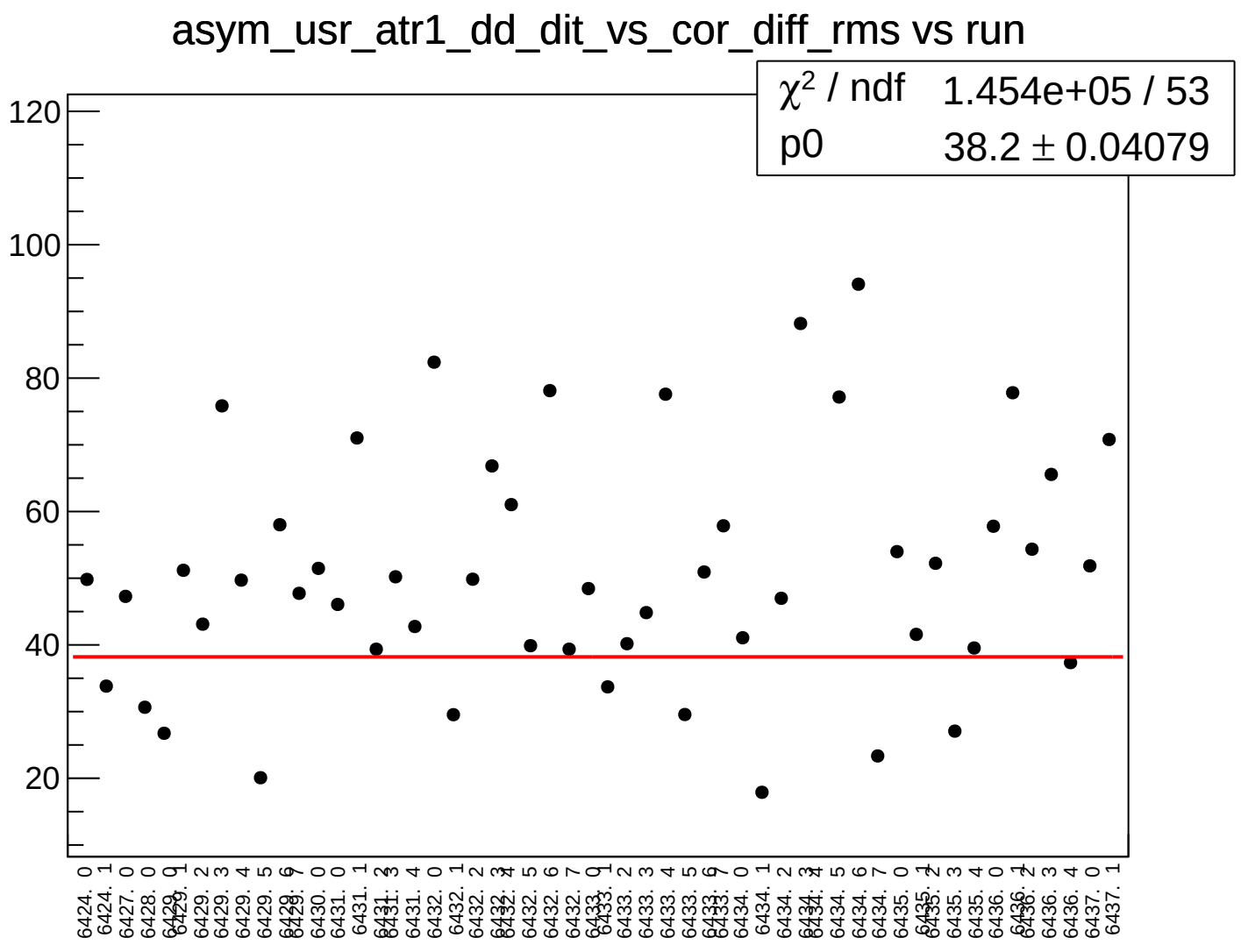

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.01 / 53
p0 −1.235e−14 ± 3.605e−14
pull
Entries 54
Mean 57.73
Std Dev 0

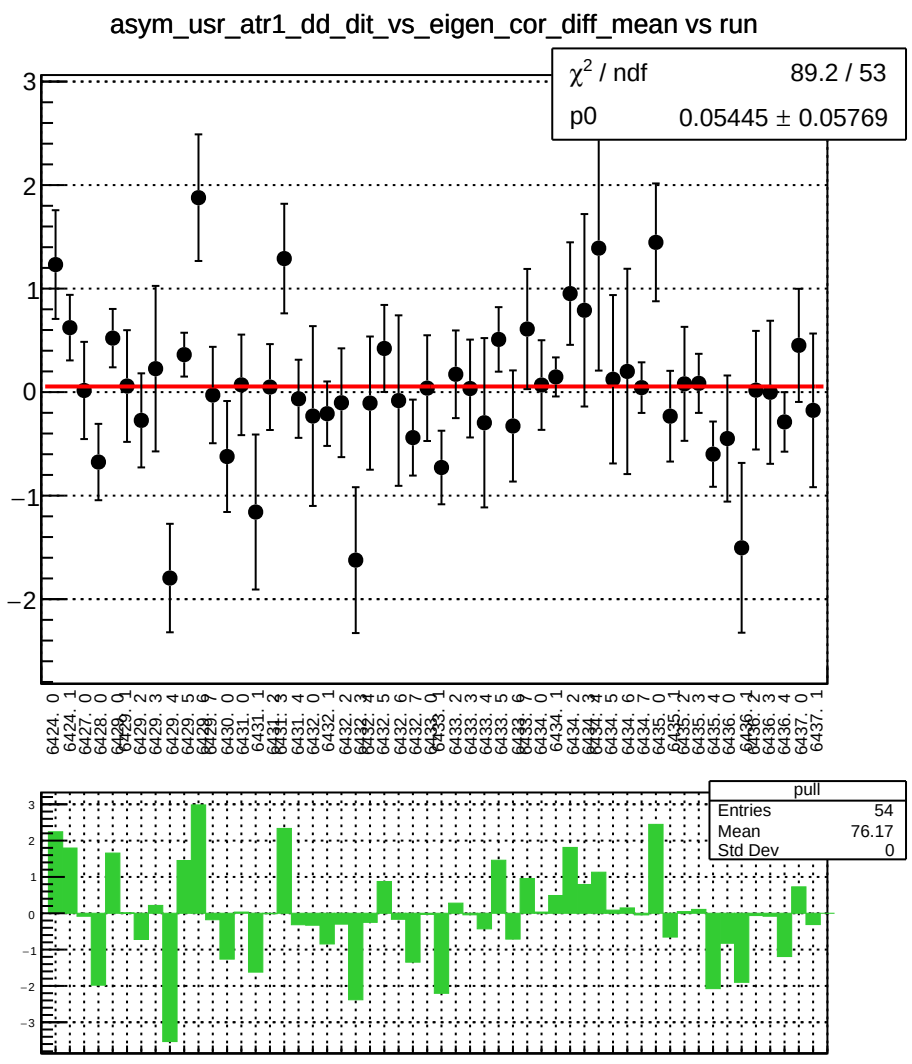

pull1D
Entries 54
Mean −0.08091
Std Dev 1.215

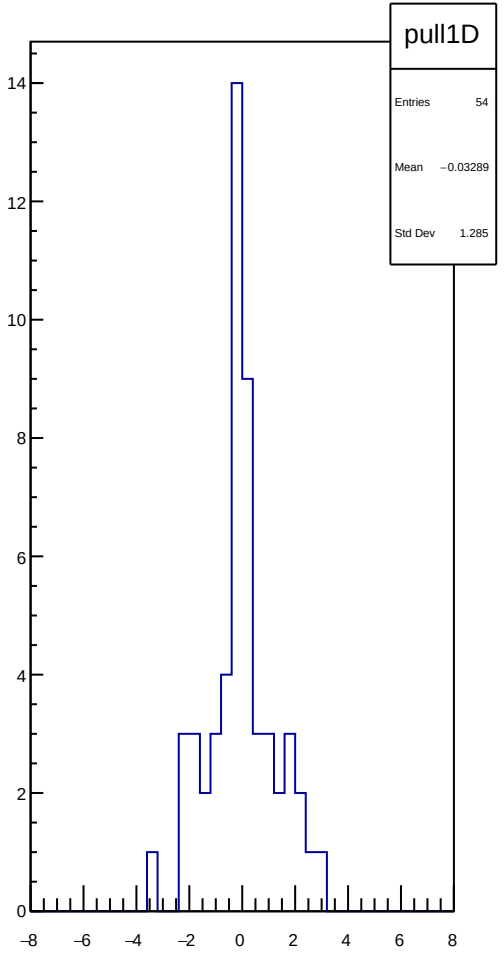

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.515e+05 / 53
p0 1.327e−11 ± 2.549e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

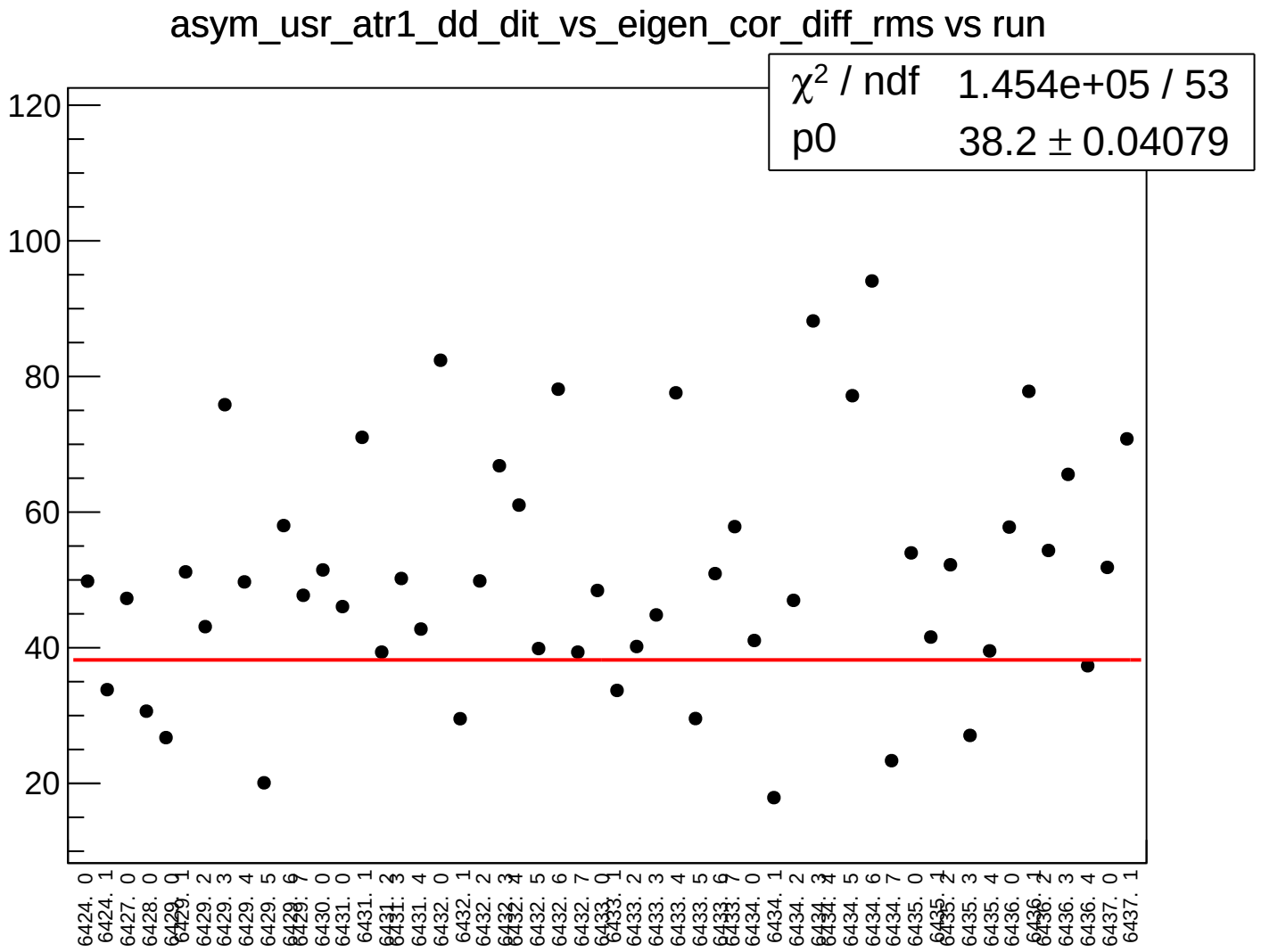

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.2 / 53
p0 0.05445 ± 0.05769
pull
Entries 54
Mean 76.17
Std Dev 0

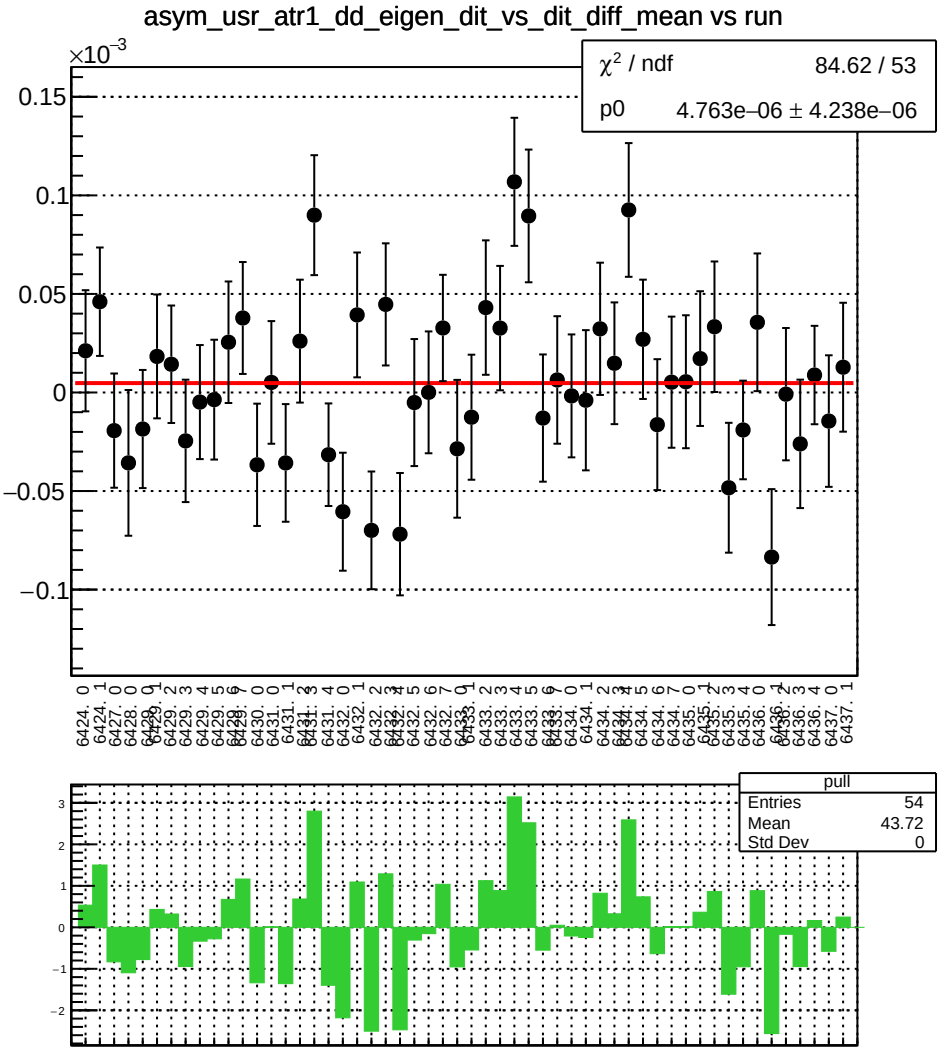

pull1D
Entries 54
Mean −0.03289
Std Dev 1.285

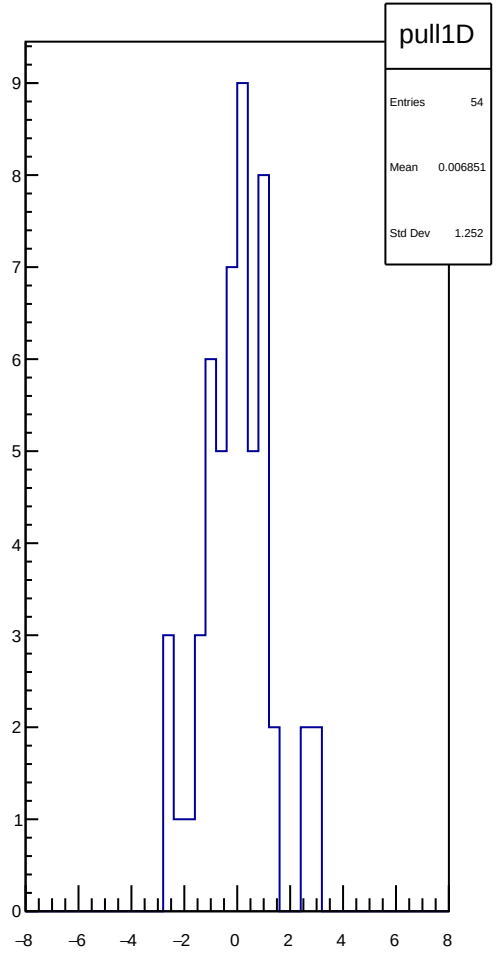

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.454e+05 / 53
p0 38.2 ± 0.04079
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

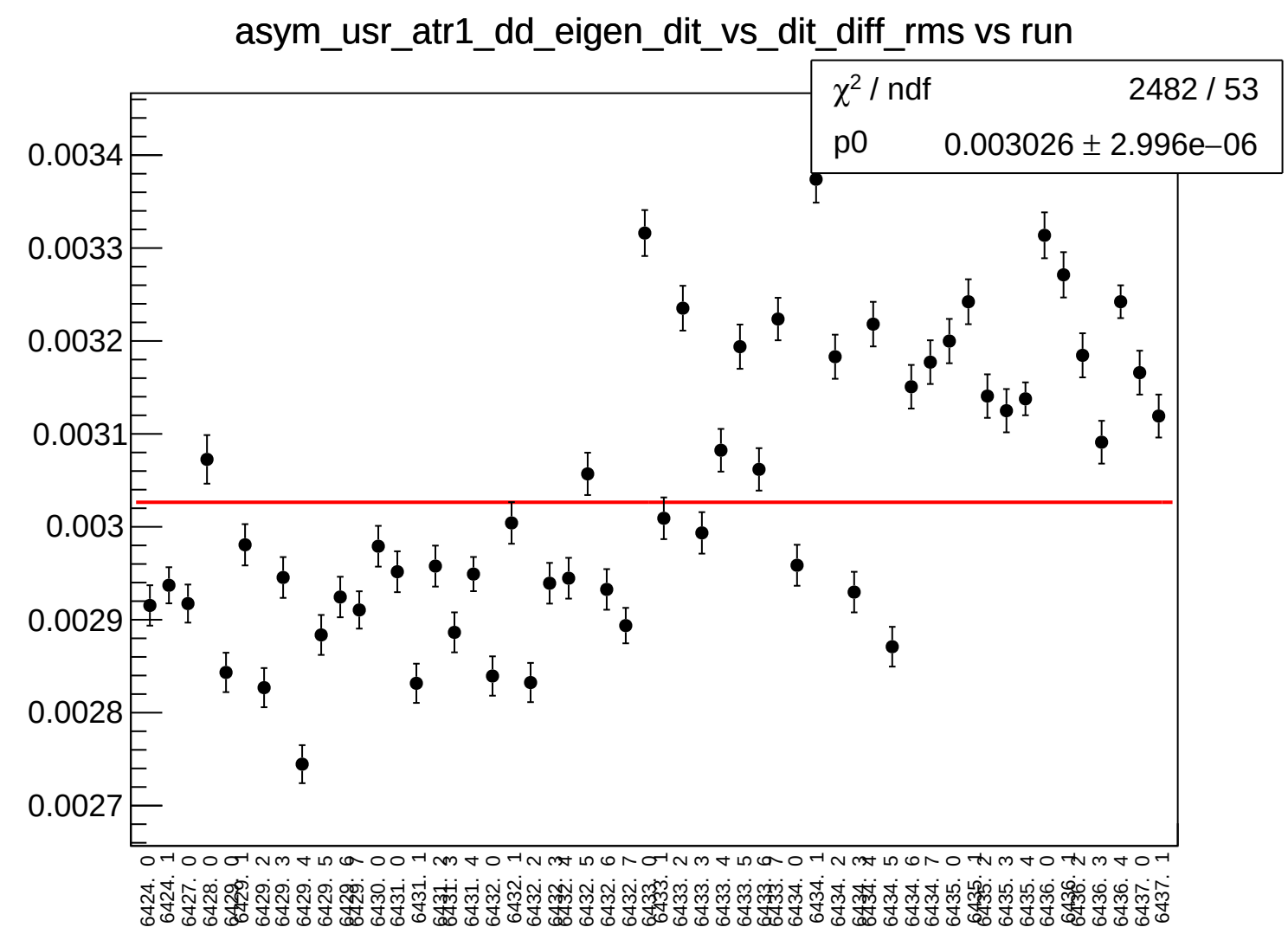

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.2 / 53
p0 0.05445 ± 0.05769
pull
Entries 54
Mean 76.17
Std Dev 0

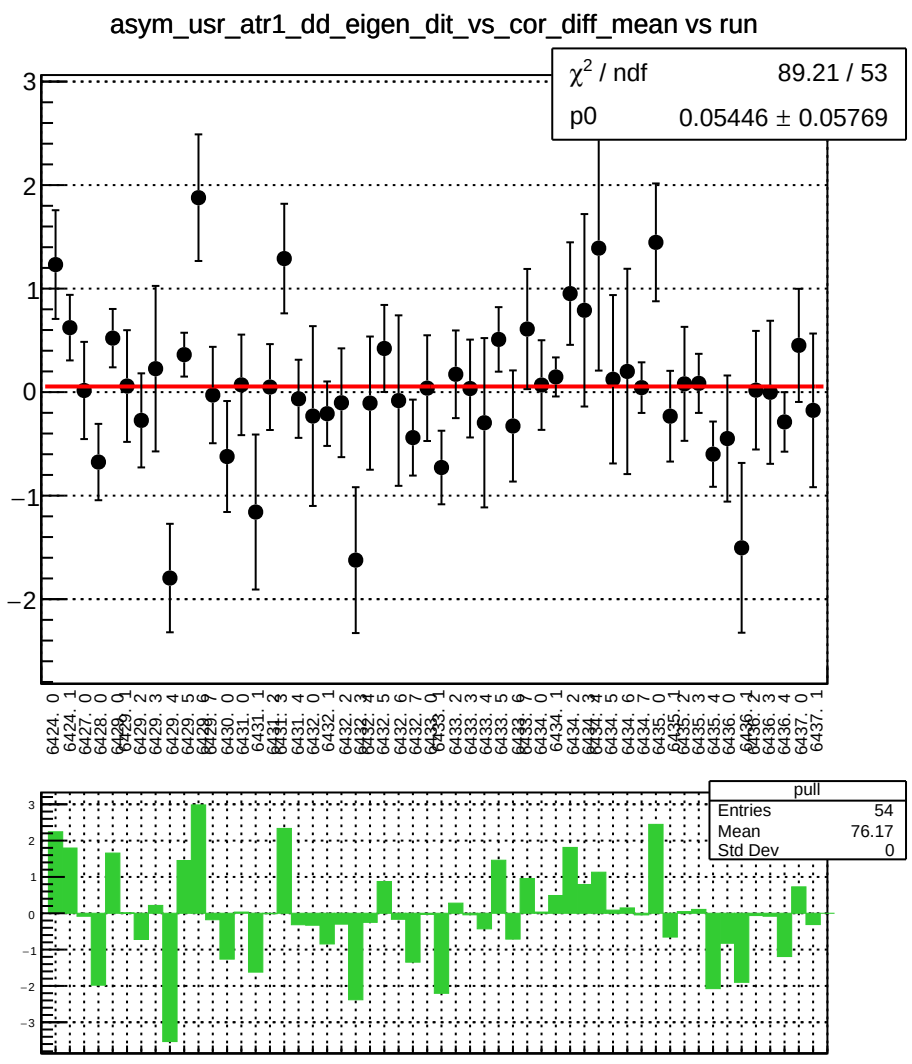

pull1D
Entries 54
Mean −0.03289
Std Dev 1.285

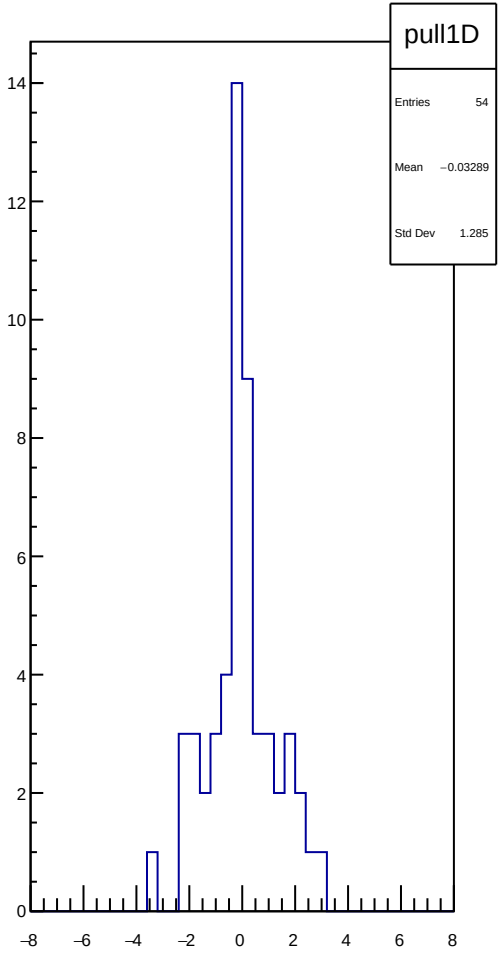

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.454e+05 / 53
p0 38.2 ± 0.04079
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

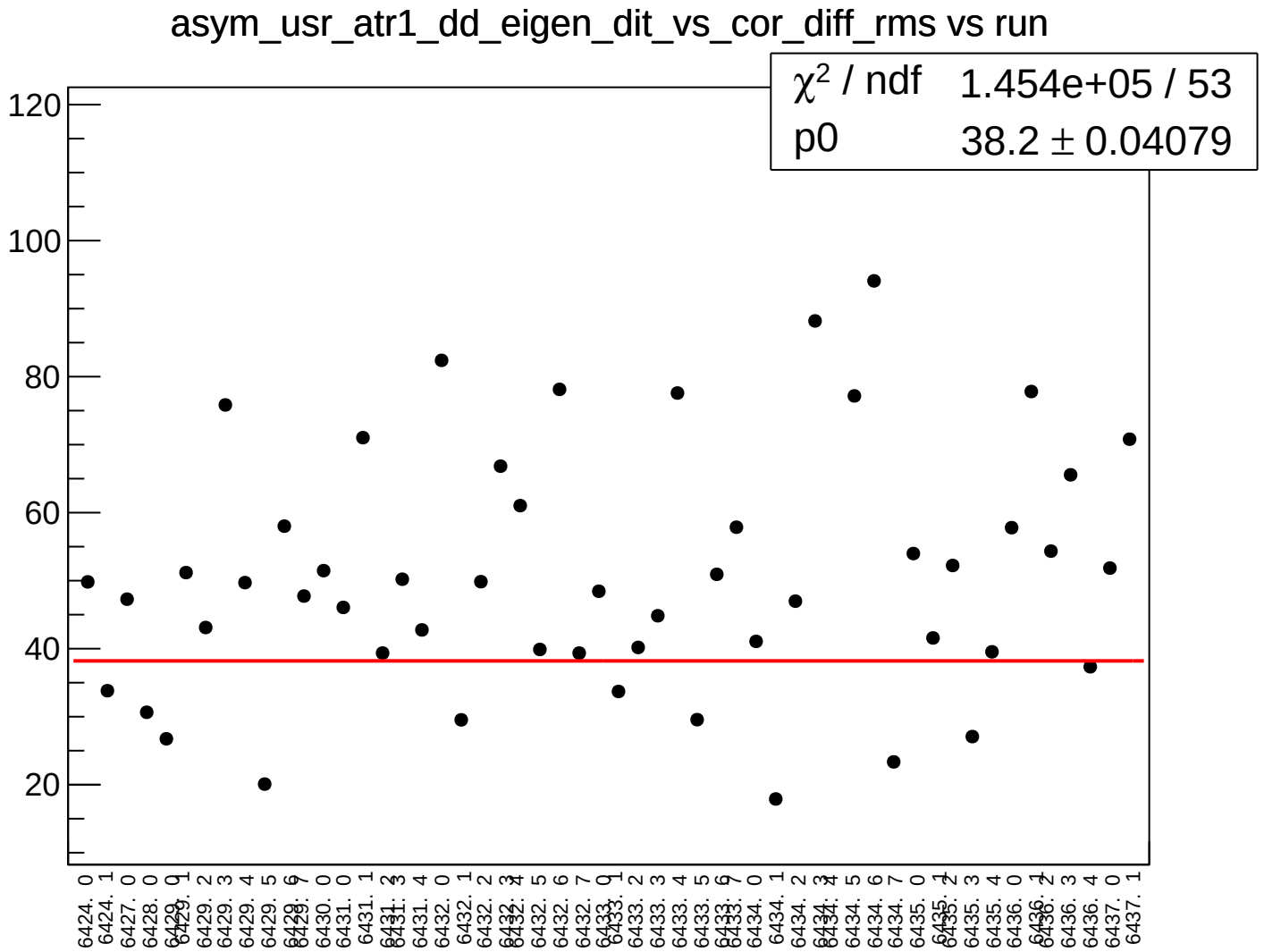

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.62 / 53
p0 4.763e−06 ± 4.238e−06
pull
Entries 54
Mean 43.72
Std Dev 0

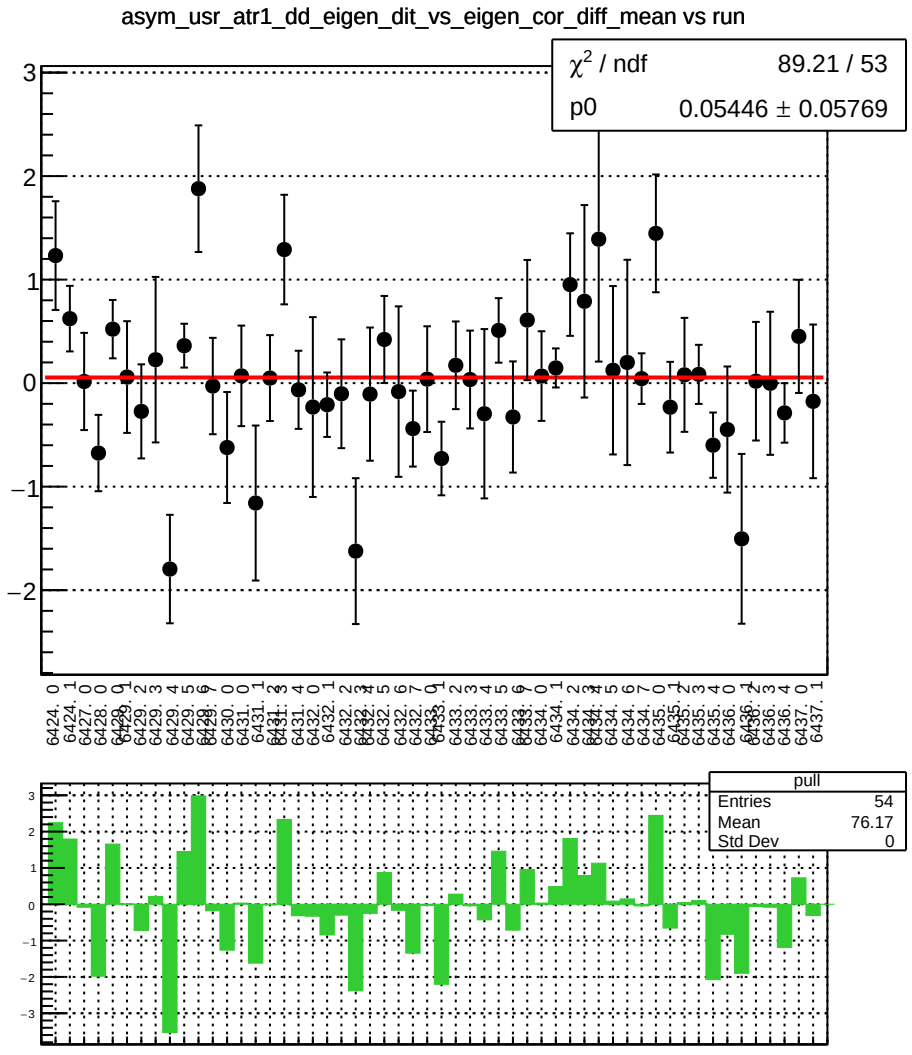

pull1D
Entries 54
Mean 0.006851
Std Dev 1.252

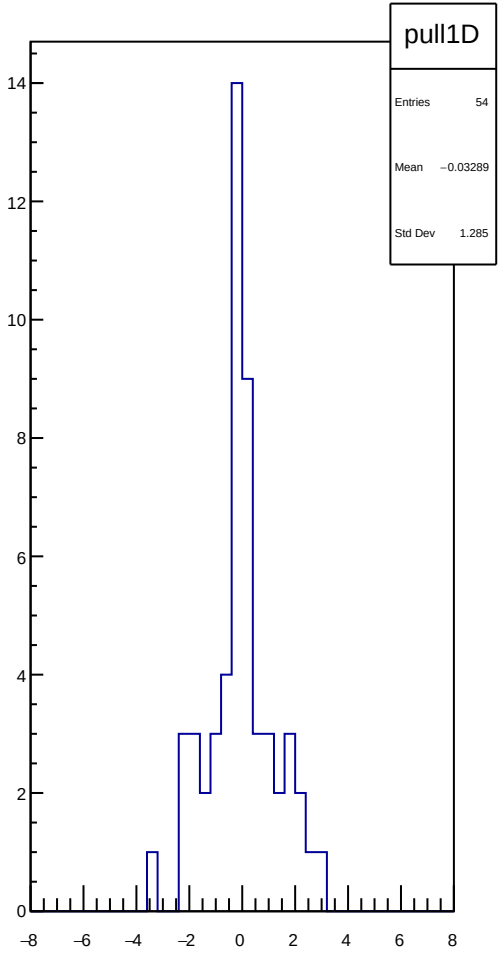

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2482 / 53
p0 0.003026 ± 2.996e−06
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

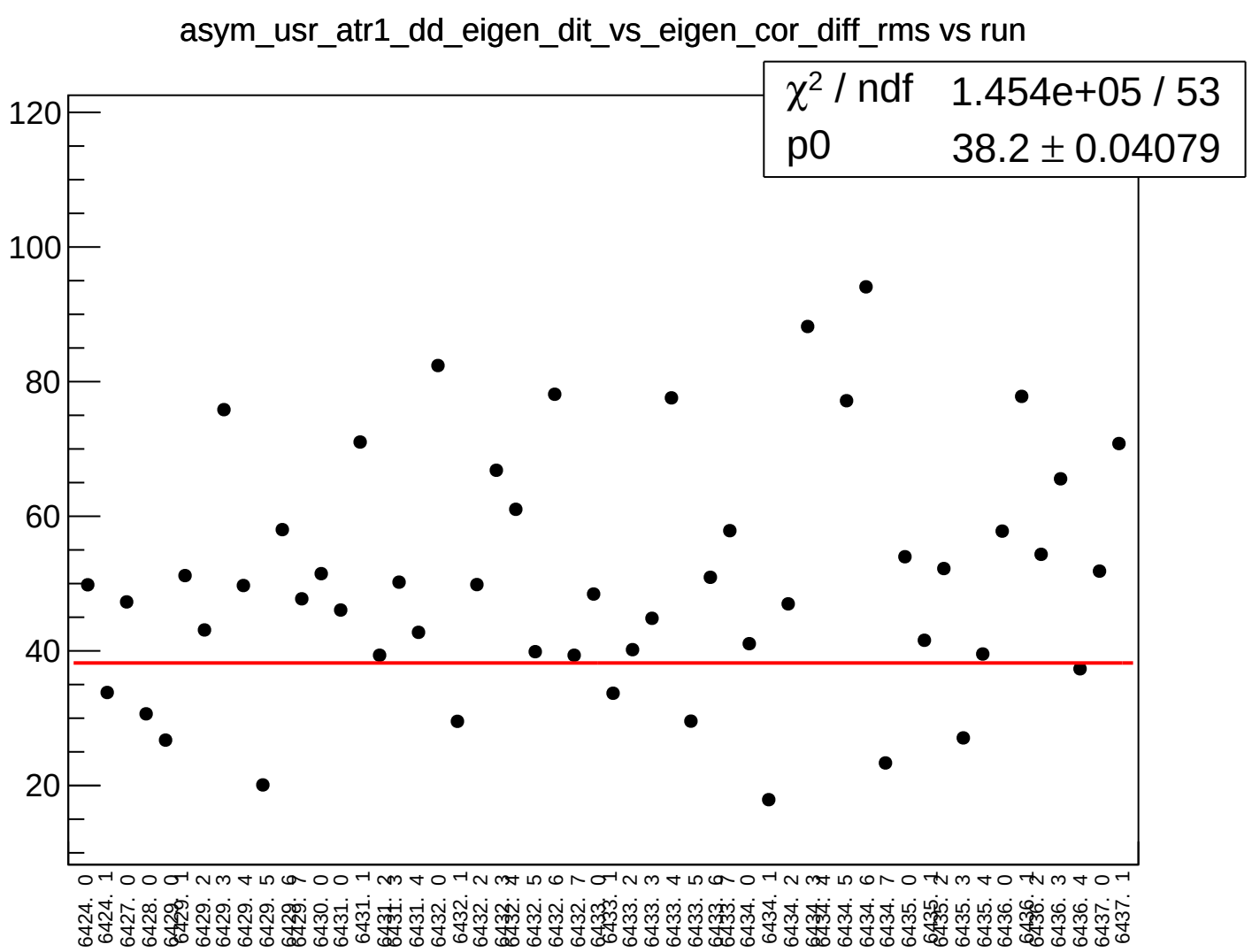

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.21 / 53
p0 0.05446 ± 0.05769
pull
Entries 54
Mean 76.17
Std Dev 0

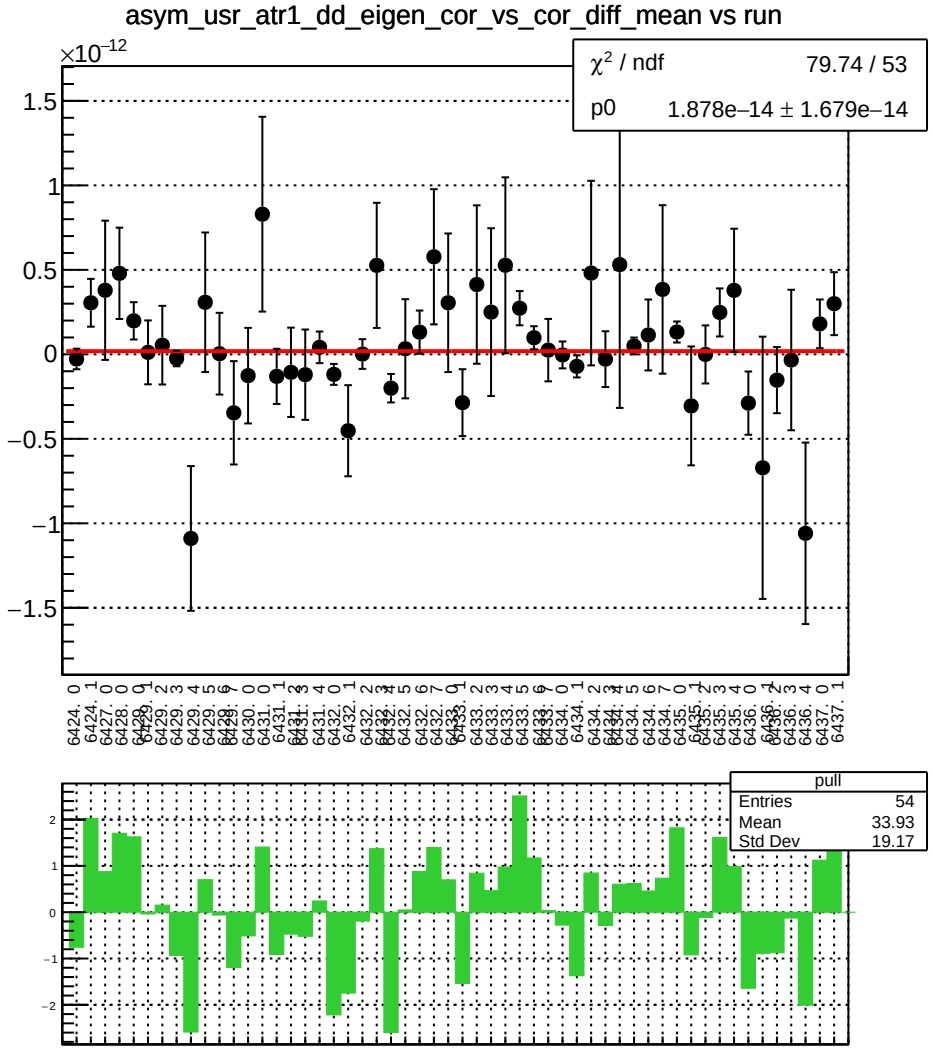

pull1D
Entries 54
Mean −0.03289
Std Dev 1.285

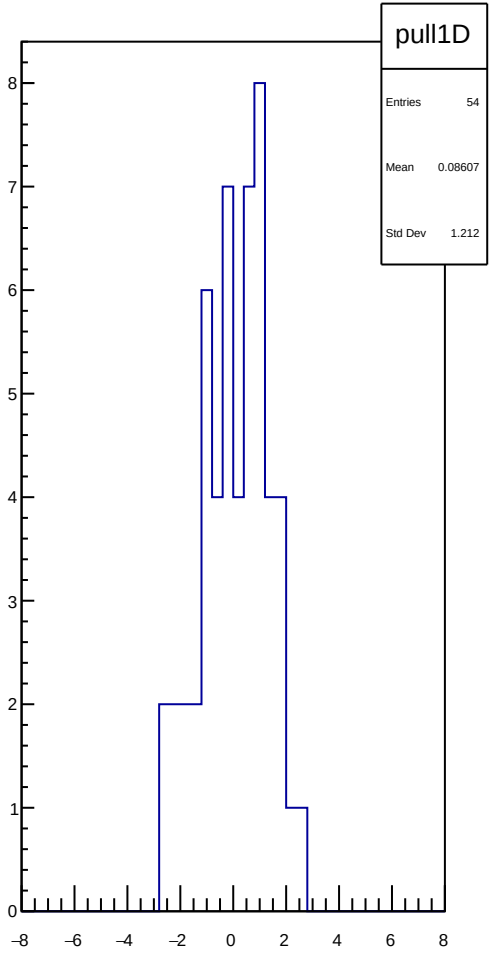

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.454e+05 / 53
p0 38.2 ± 0.04079
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

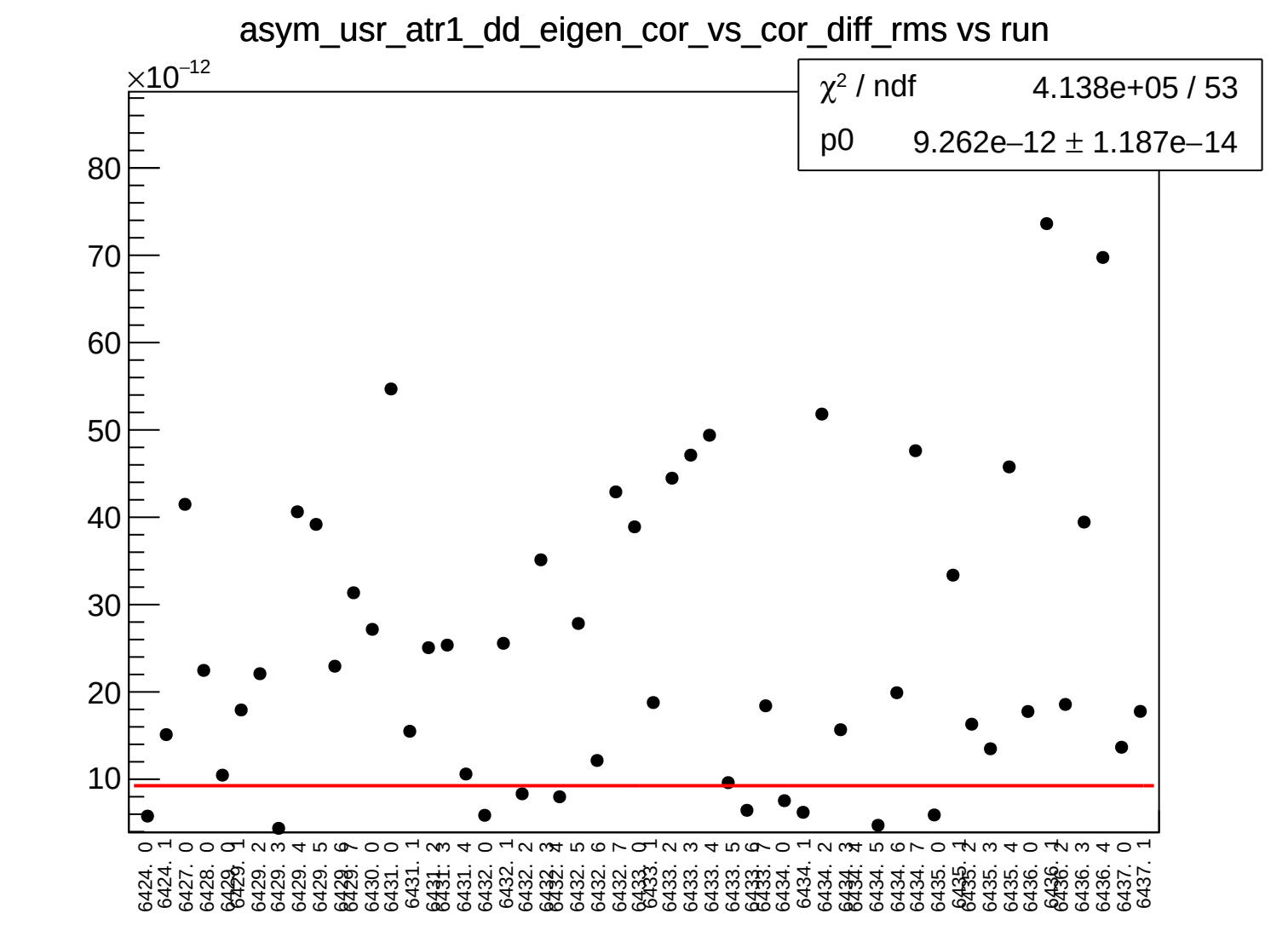

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.21 / 53
p0 0.05446 ± 0.05769
pull
Entries 54
Mean 76.17
Std Dev 0

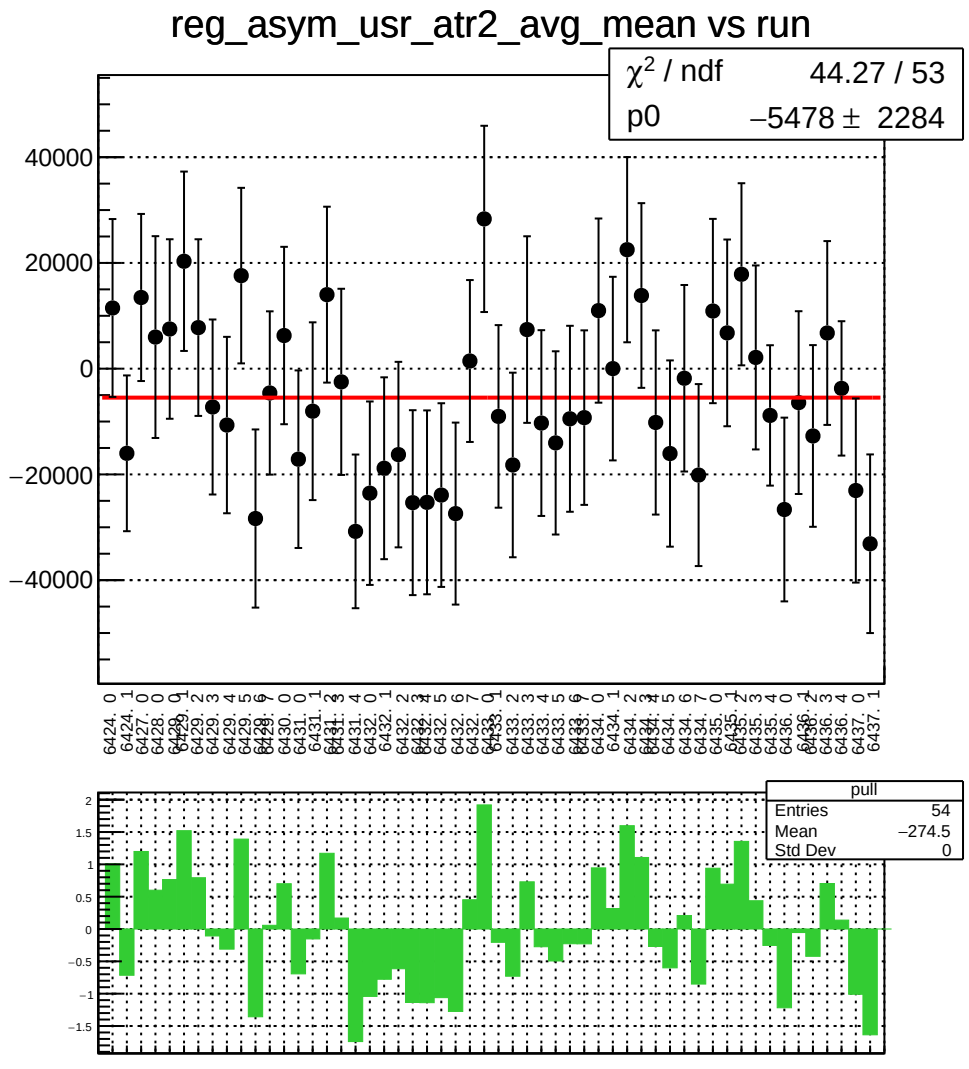

pull1D
Entries 54
Mean −0.03289
Std Dev 1.285

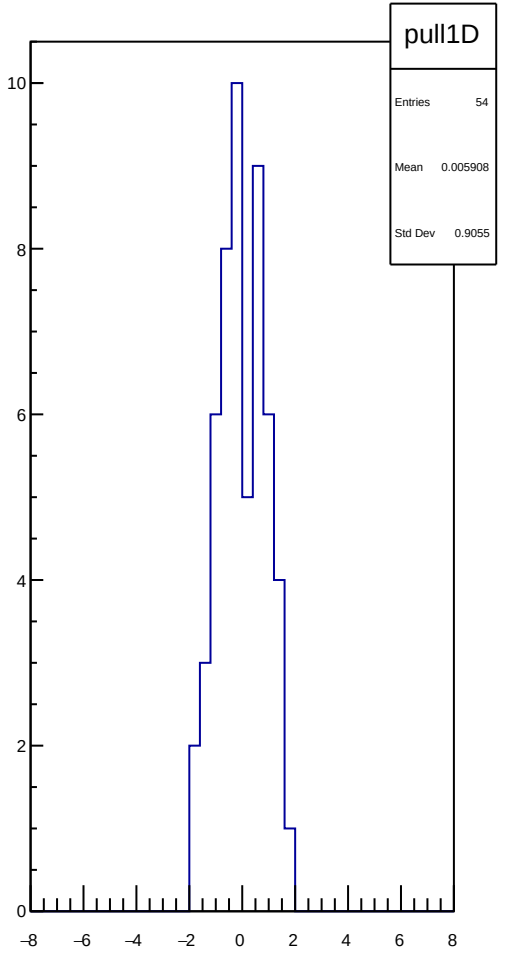

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.454e+05 / 53
p0 38.2 ± 0.04079
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

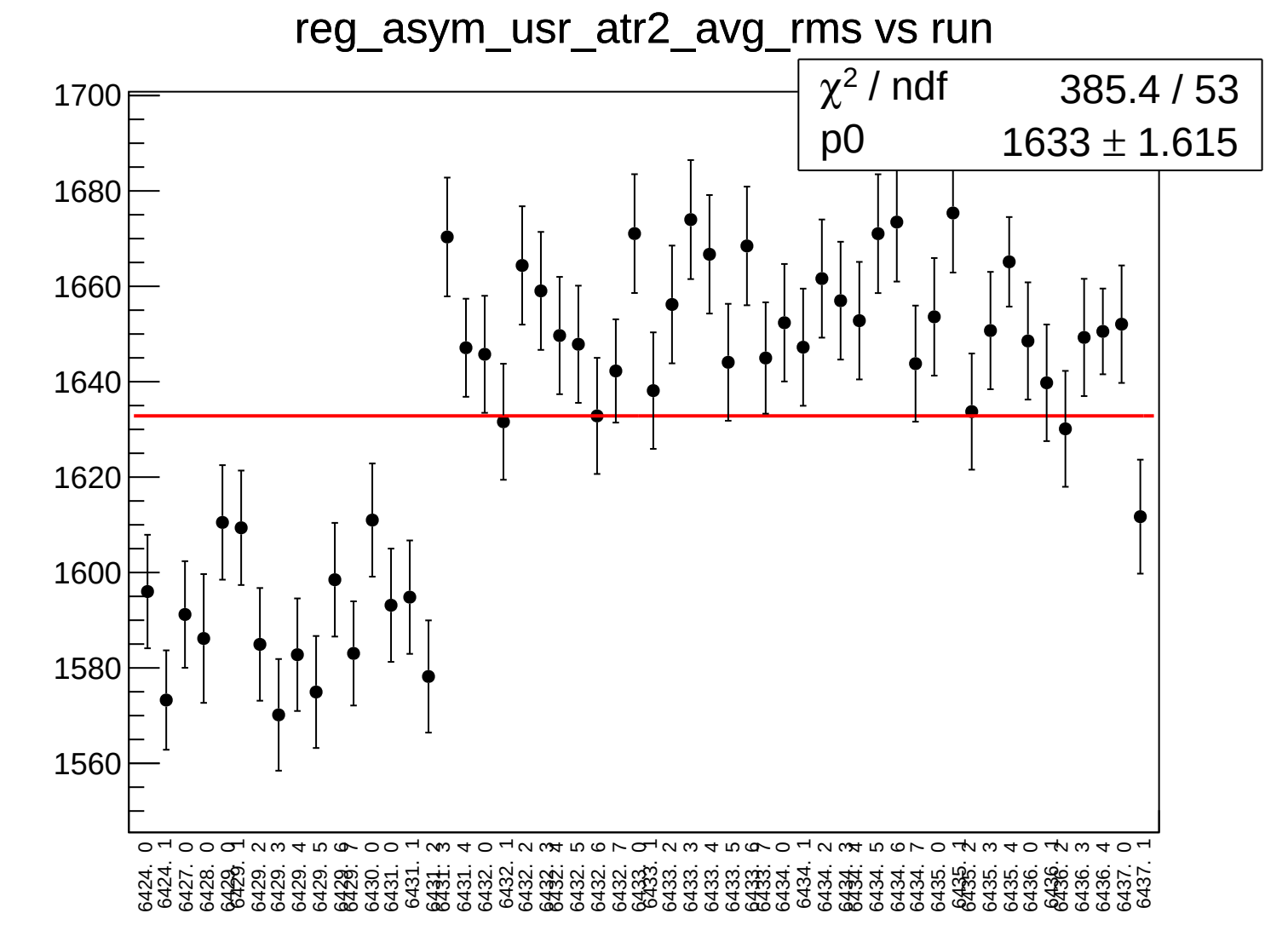

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.74 / 53
p0 1.878e−14 ± 1.679e−14
1.5
1
0.5
0
−0.5
−1
−1.5
pull
Entries 54
Mean 33.93
Std Dev 19.17
2
1
0
−1
−2

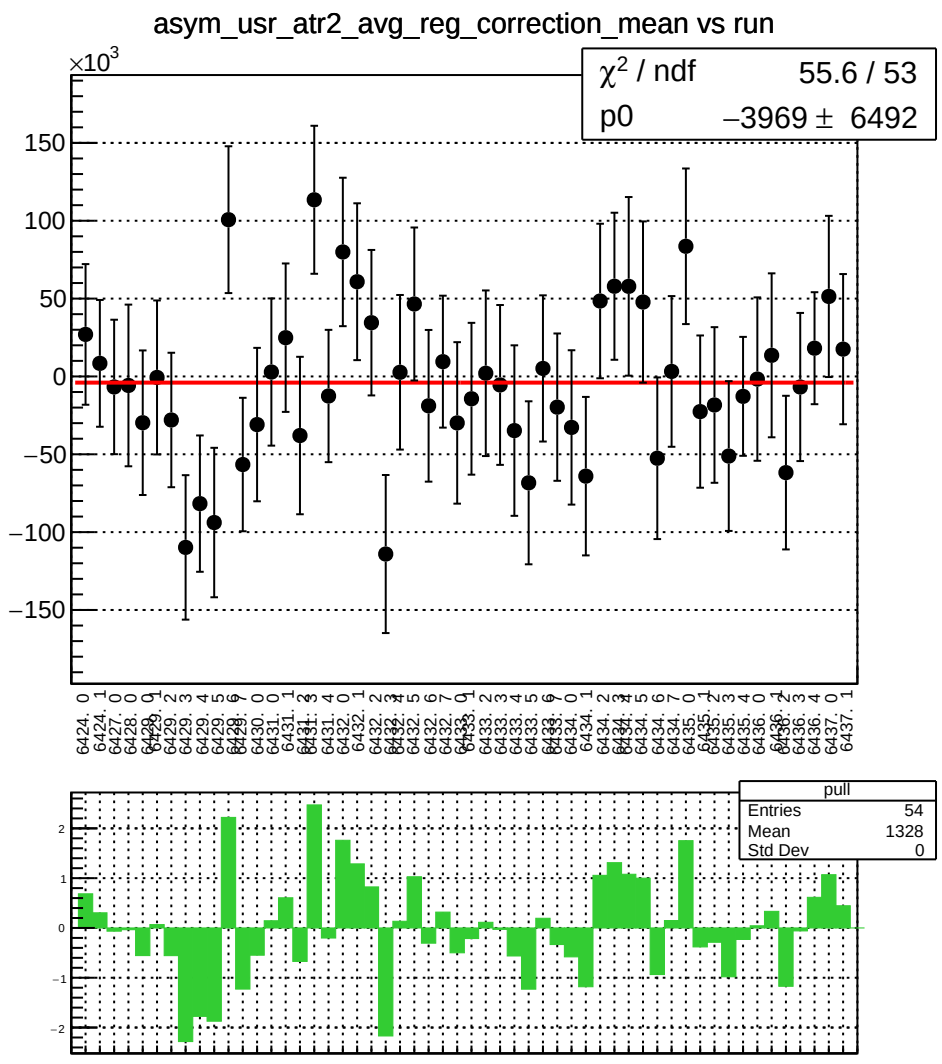

pull1D
Entries 54
Mean 0.08607
Std Dev 1.212
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

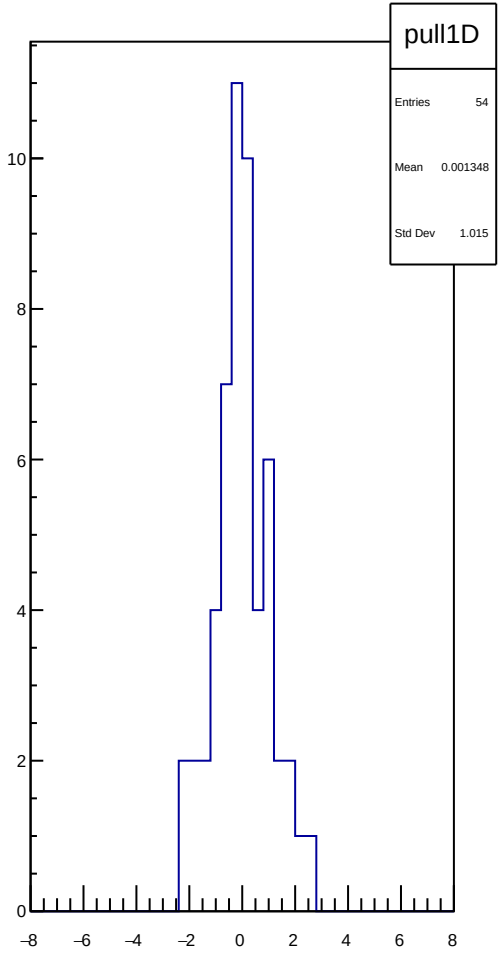

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.138e+05 / 53
p0 9.262e−12 ± 1.187e−14
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

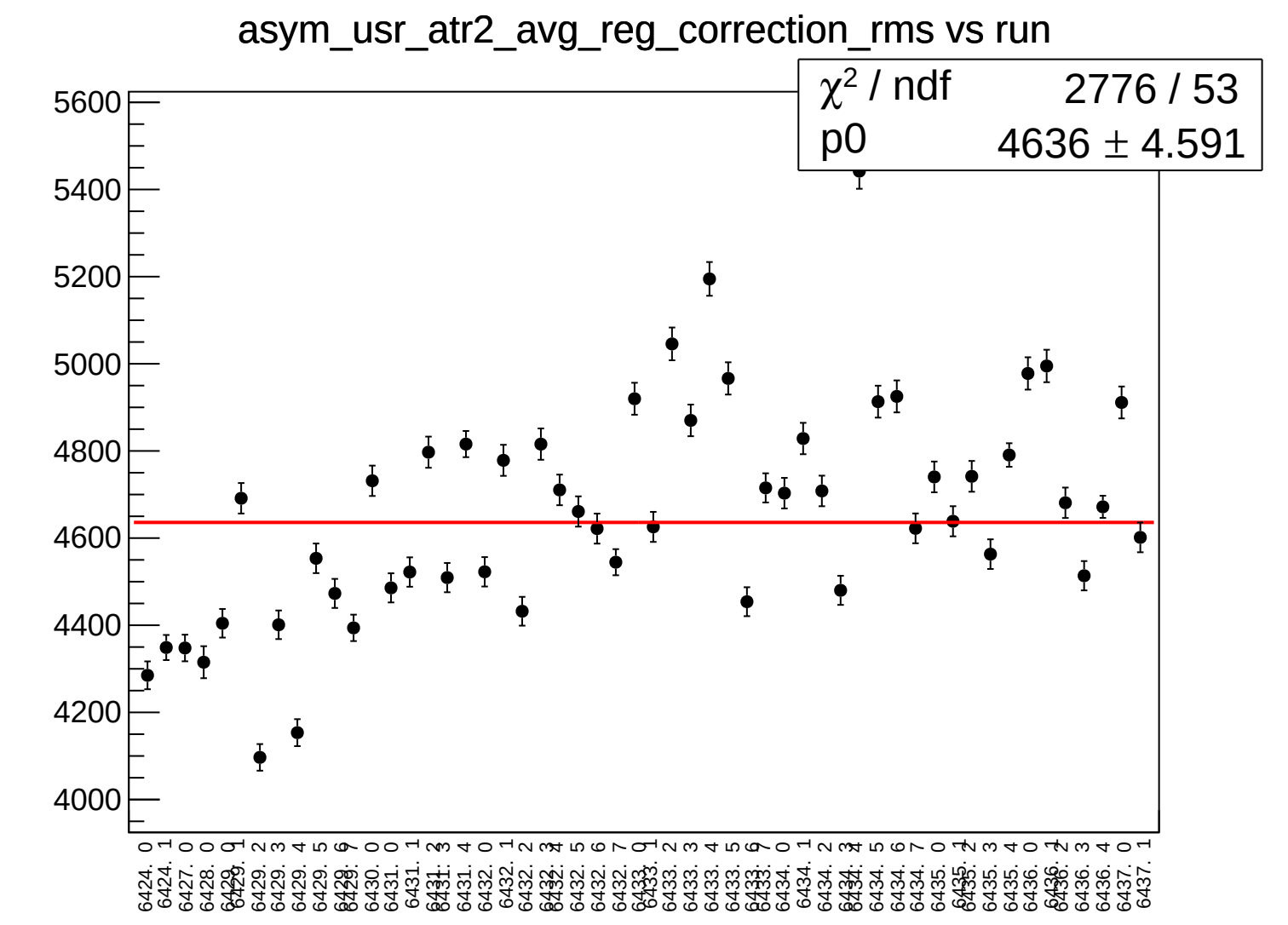

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 44.27 / 53
p0 −5478 ± 2284
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −274.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

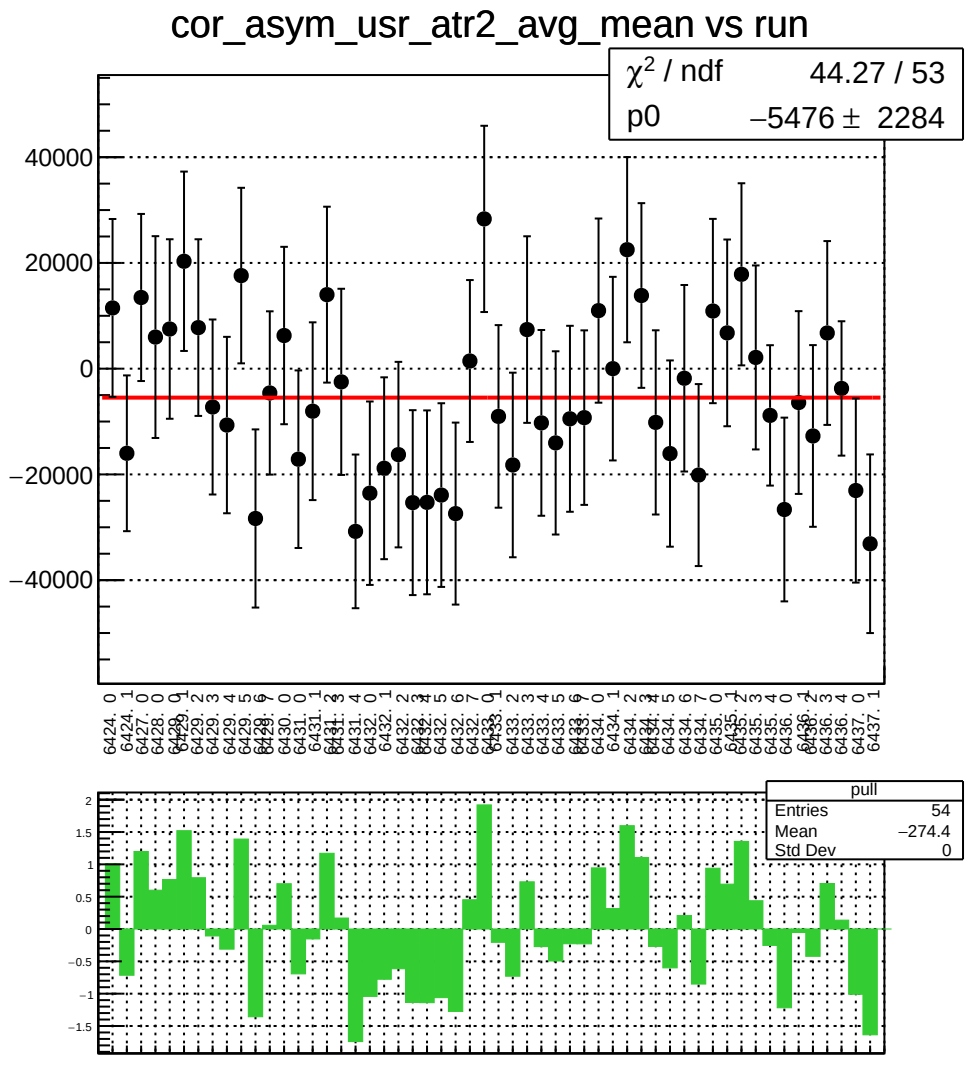

pull1D
Entries 54
Mean 0.005908
Std Dev 0.9055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

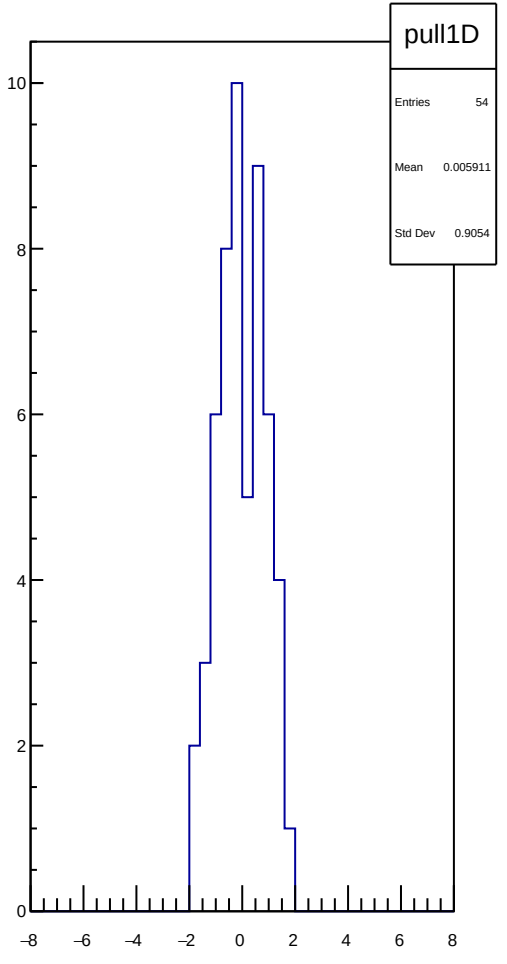

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 385.4 / 53
p0 1633 ± 1.615
1700
1680
1660
1640
1620
1600
1580
1560
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

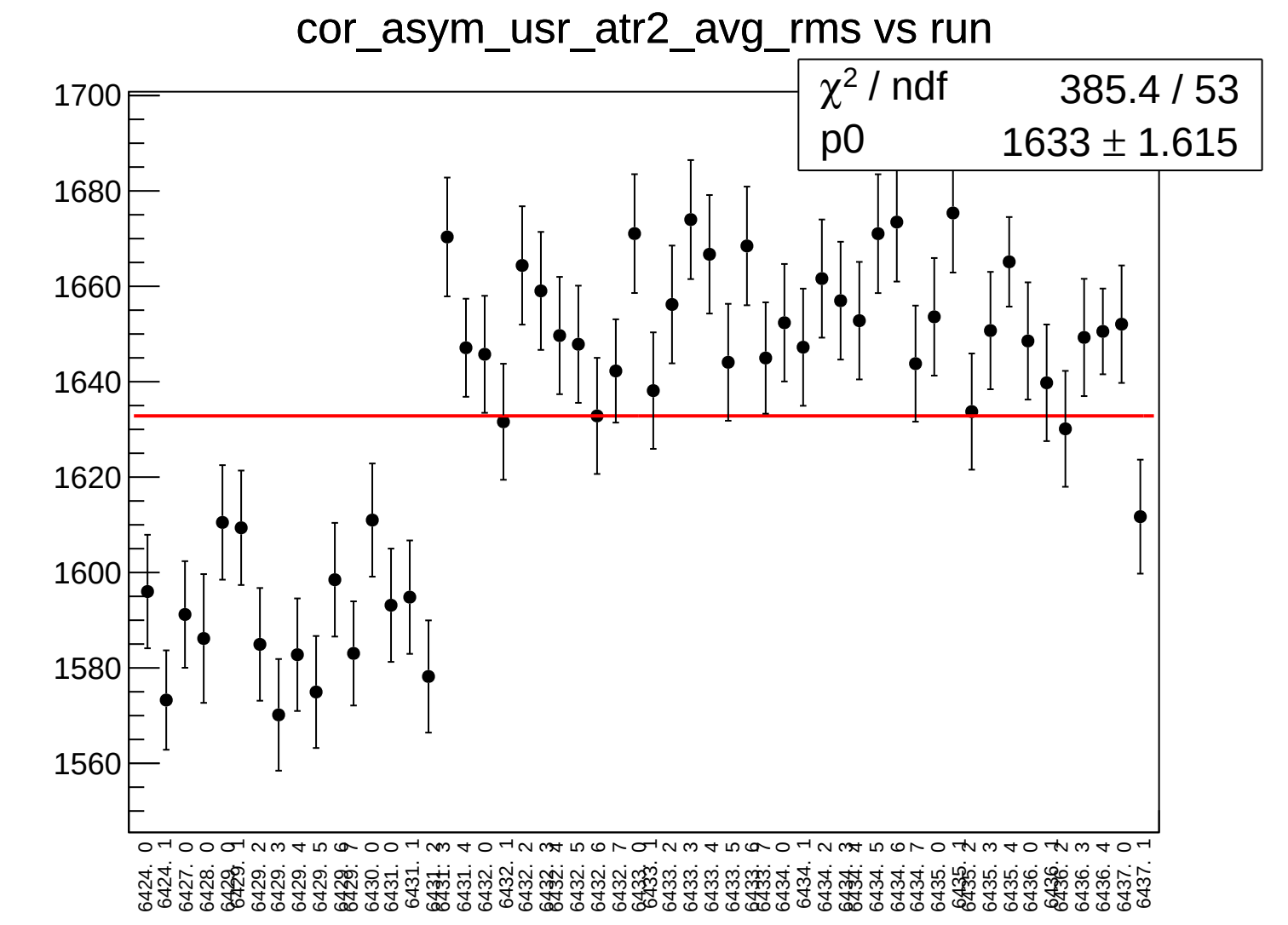

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.6 / 53
p0 −3969 ± 6492
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1328
Std Dev 0
2
1
0
−1
−2

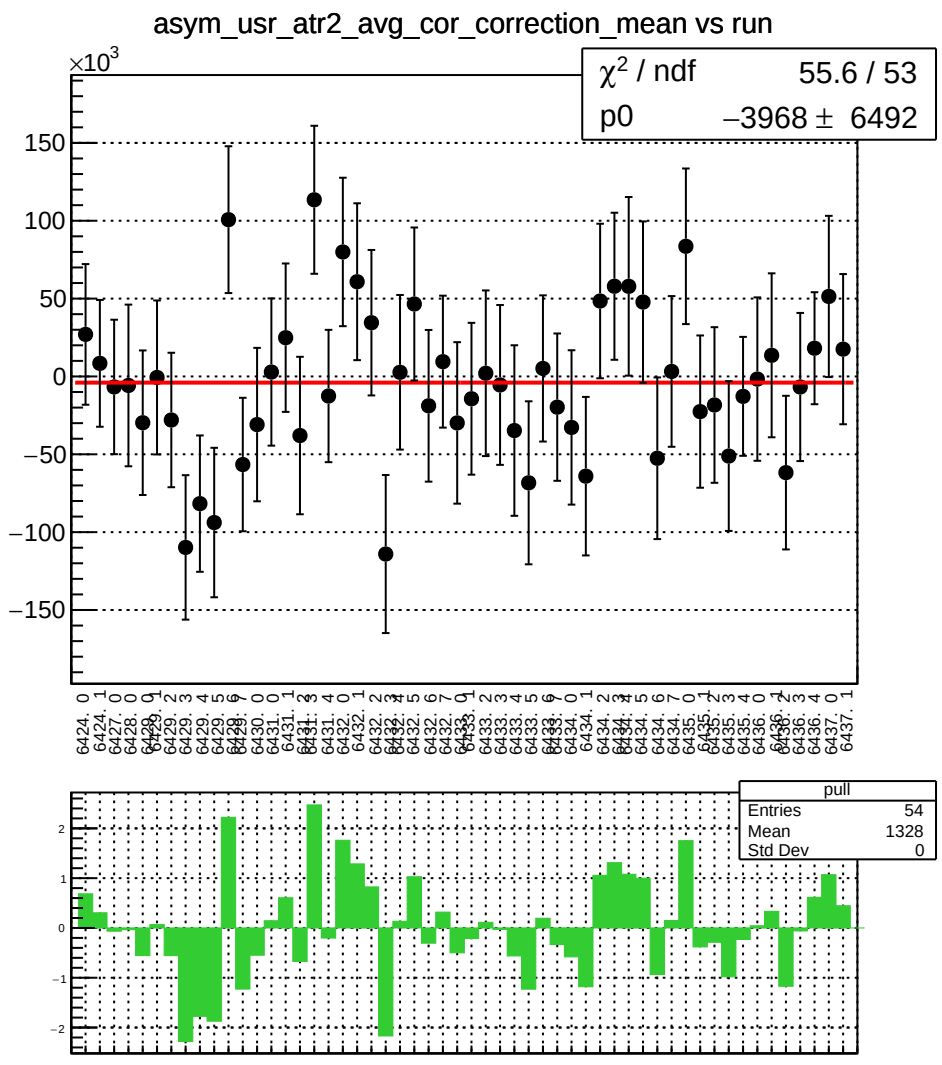

pull1D
Entries 54
Mean 0.001348
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

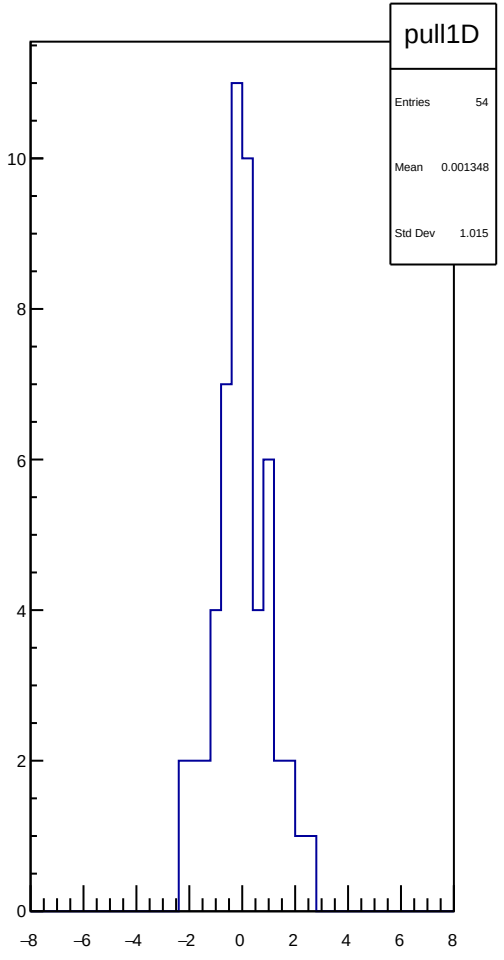

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2776 / 53
p0 4636 ± 4.591
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

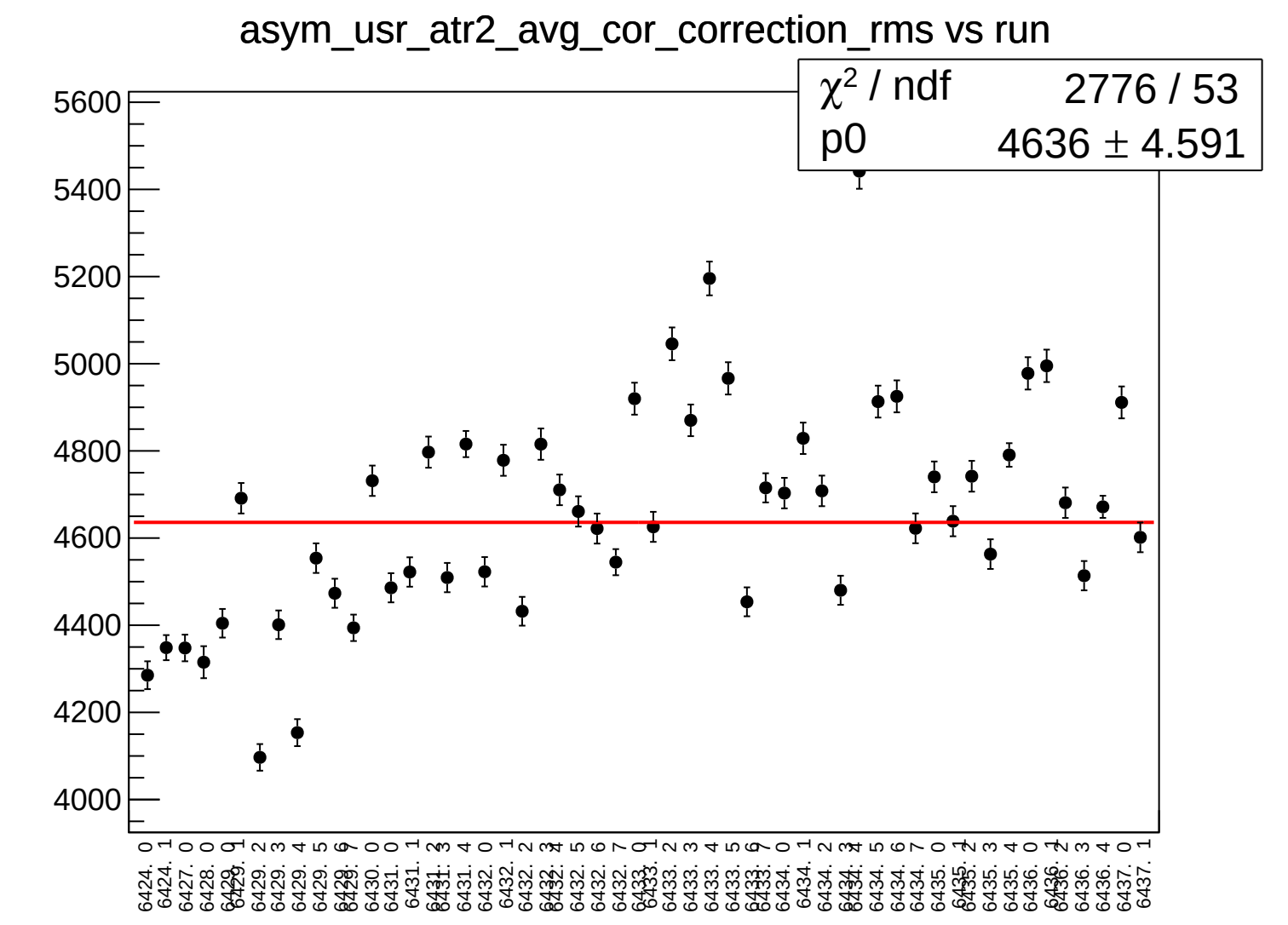

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 44.27 / 53
p0 −5476 ± 2284
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −274.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

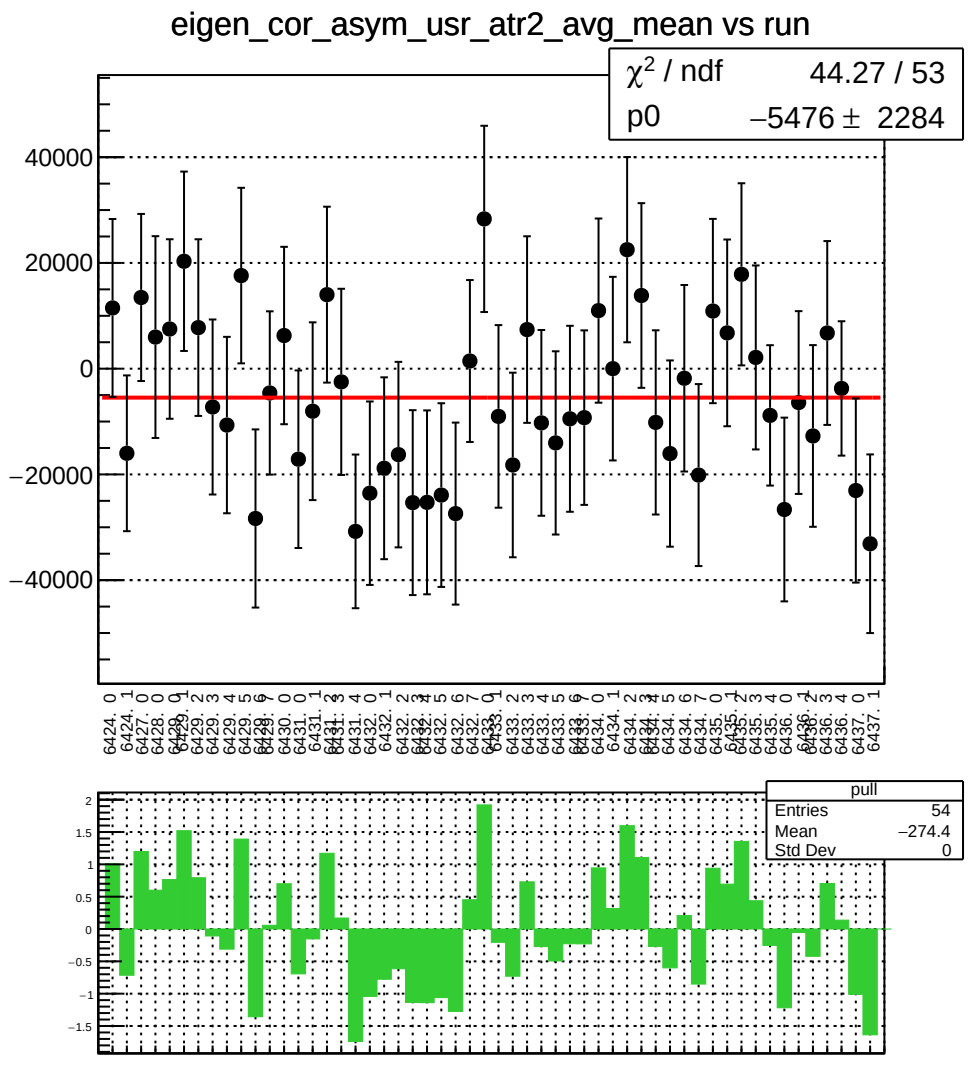

pull1D
Entries 54
Mean 0.005911
Std Dev 0.9054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

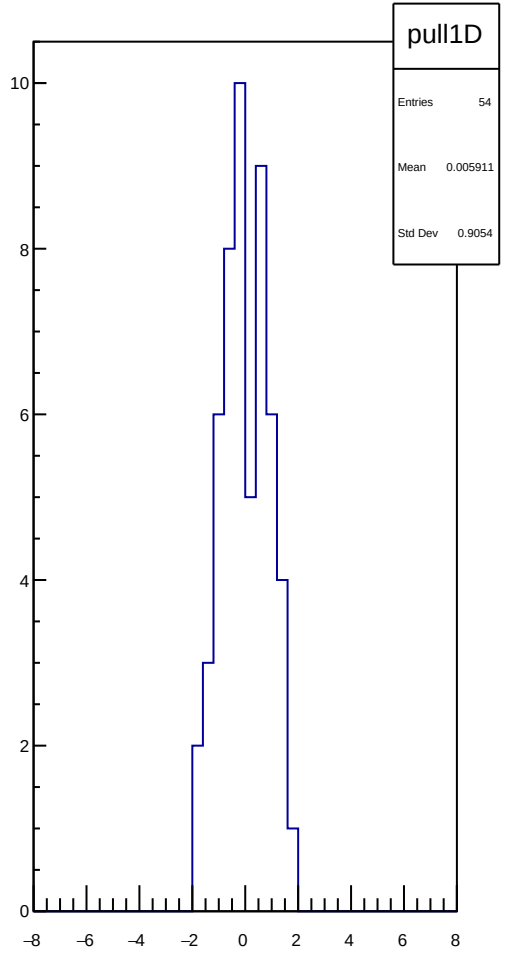

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 385.4 / 53
p0 1633 ± 1.615
1700
1680
1660
1640
1620
1600
1580
1560
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

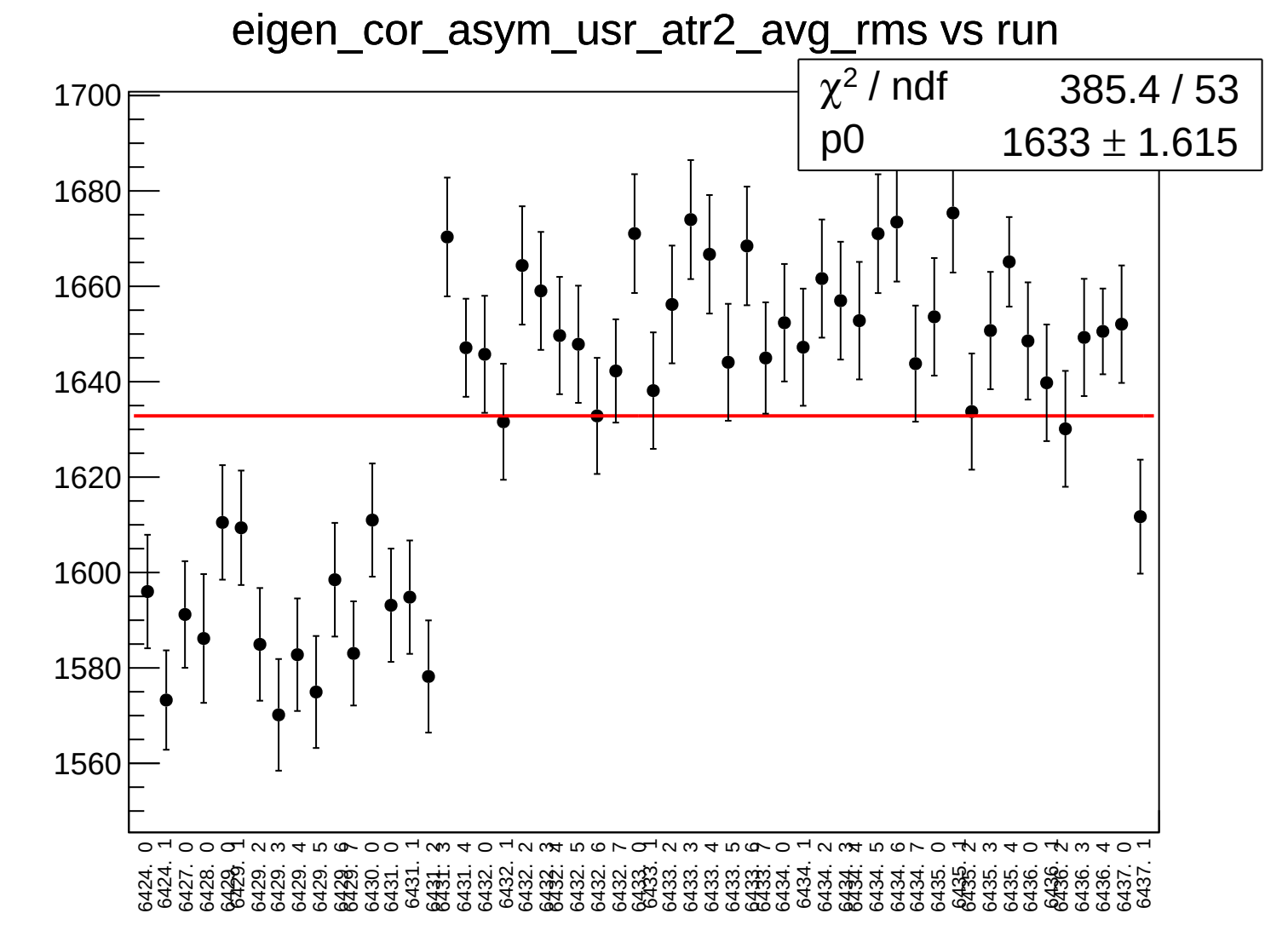

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.6 / 53
p0 −3968 ± 6492
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1328
Std Dev 0
2
1
0
−1
−2

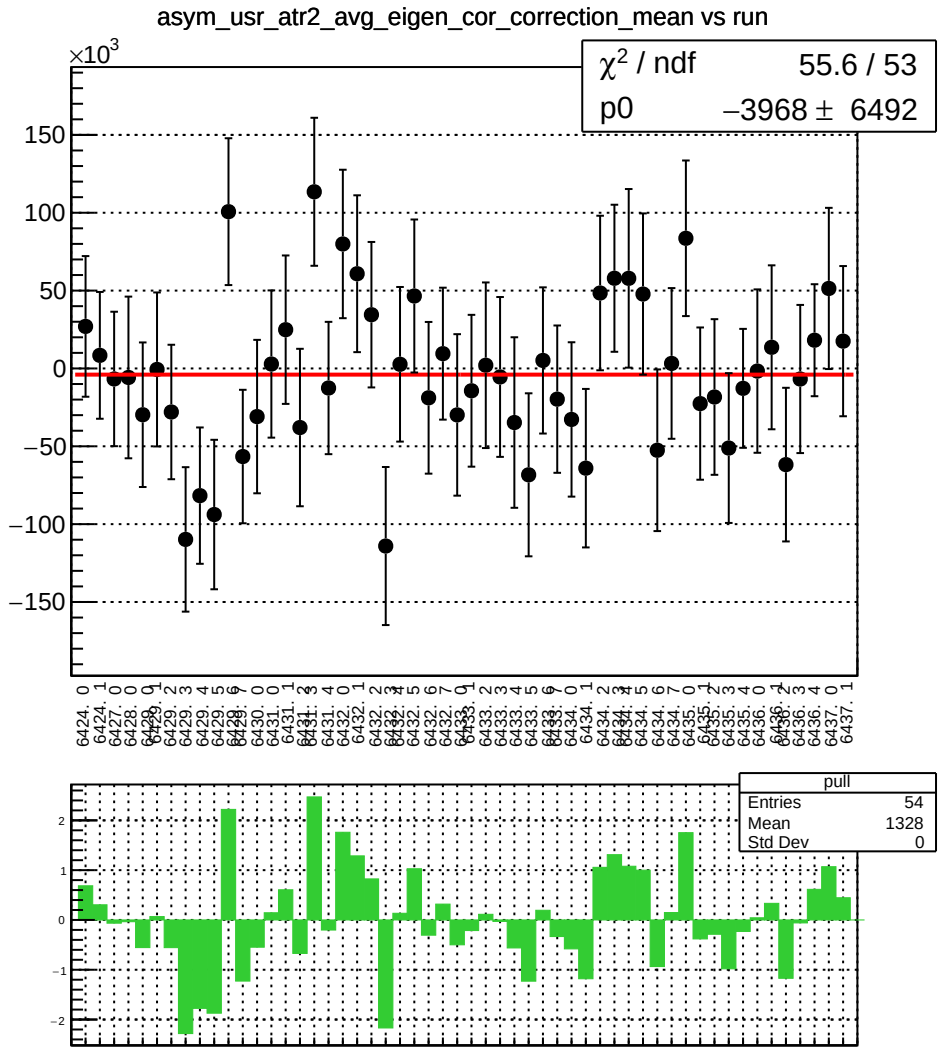

pull1D
Entries 54
Mean 0.001348
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

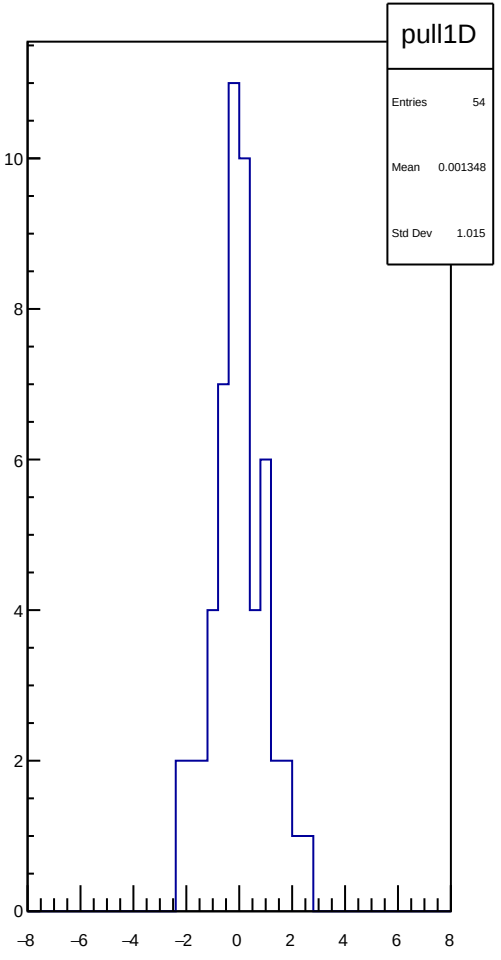

asym_usr_atr2_avg_cor_correction_rms vs run
χ^2 / ndf 2776 / 53
p0 4636 ± 4.591
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

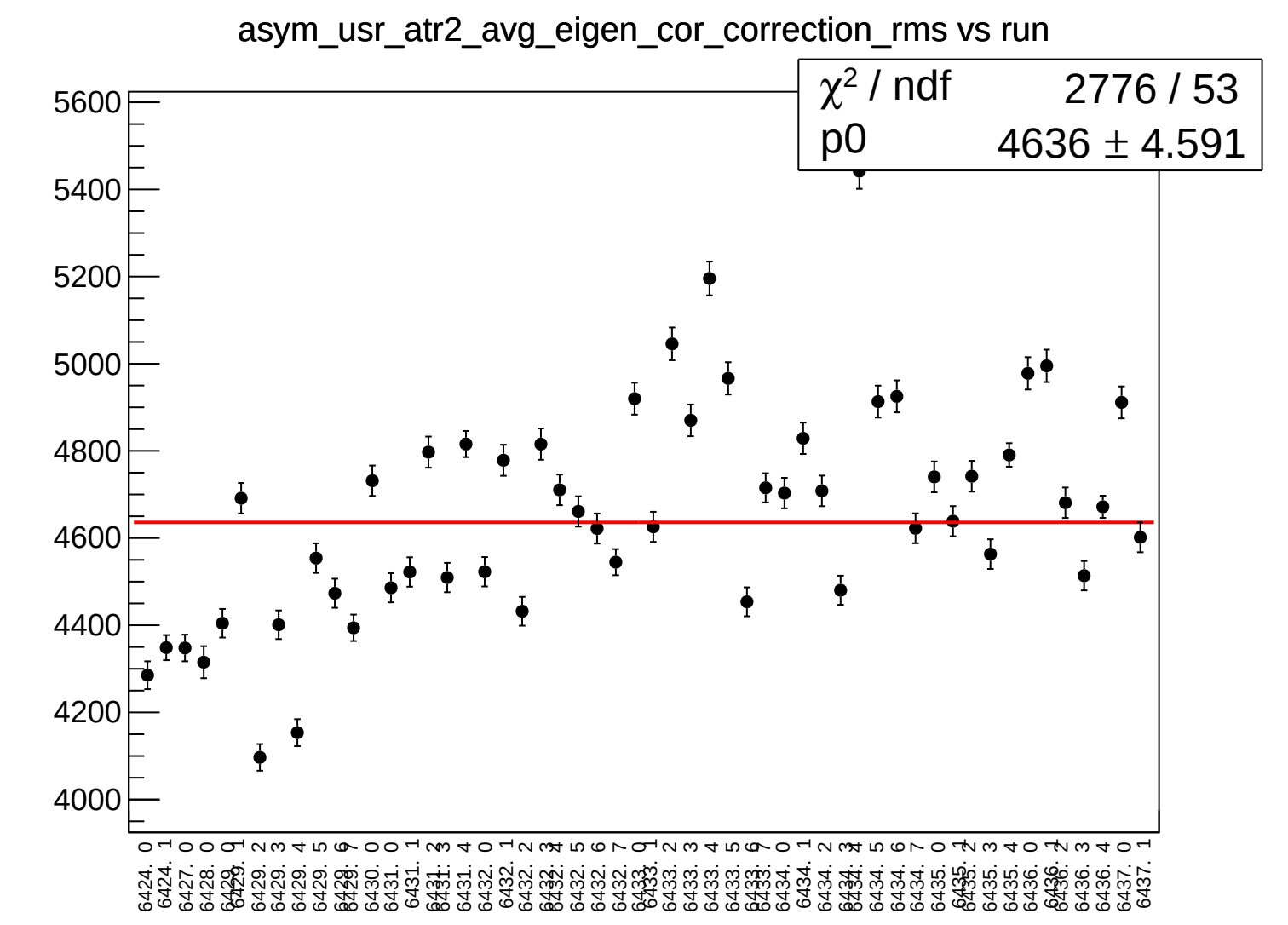

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 44.27 / 53
p0 −5476 ± 2284
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −274.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

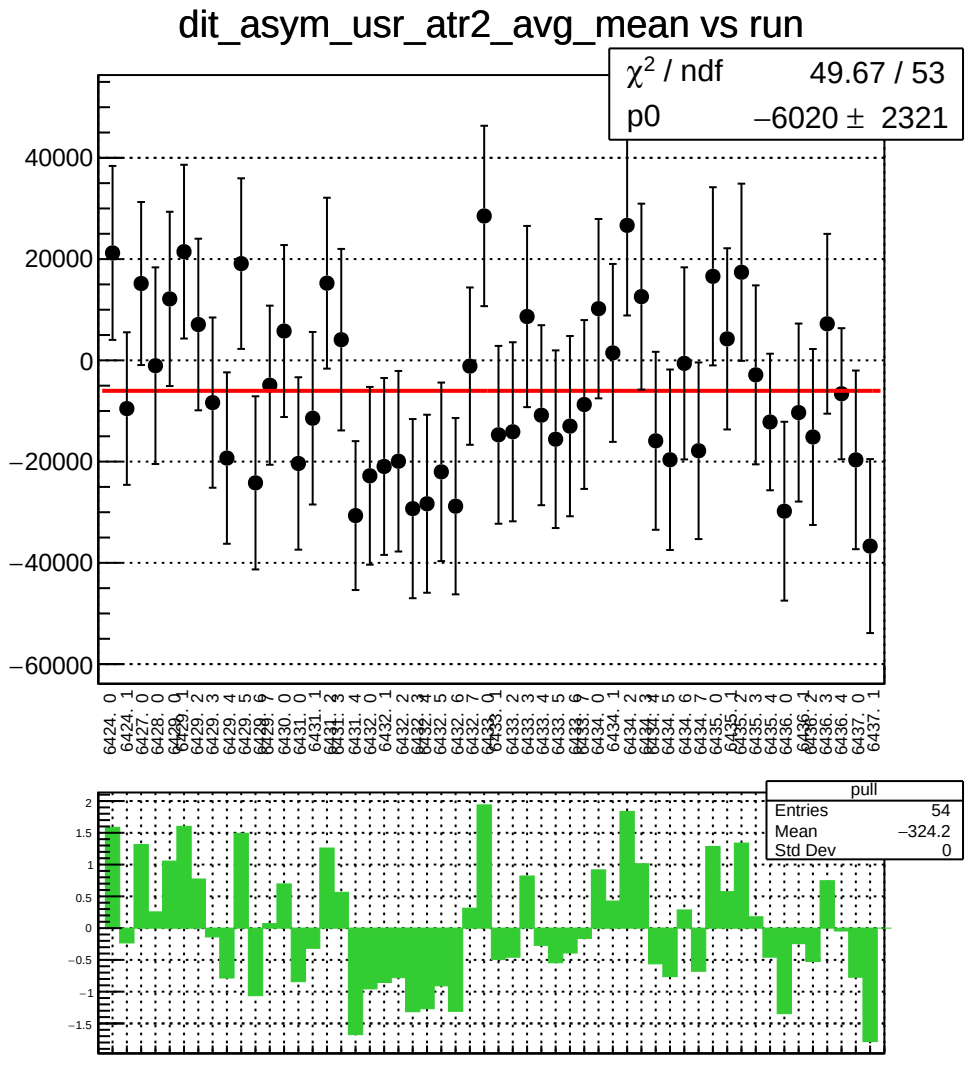

pull1D
Entries 54
Mean 0.005911
Std Dev 0.9054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

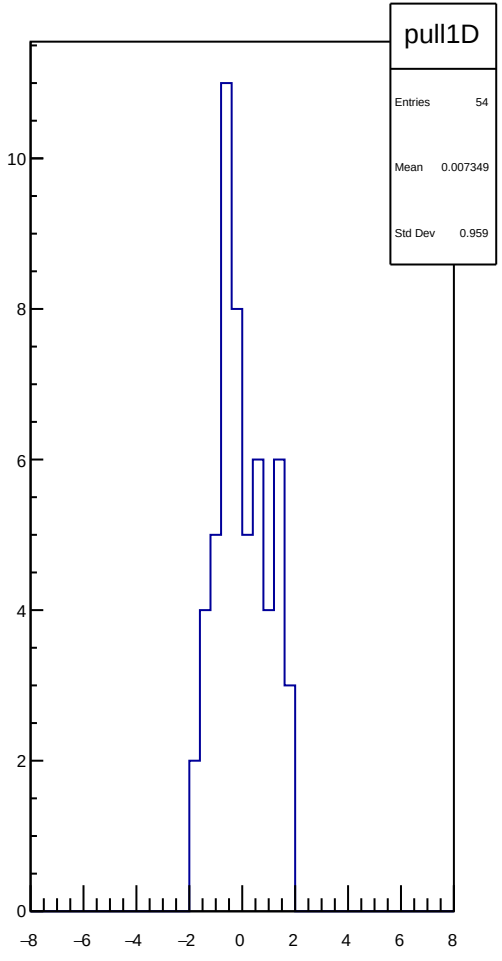

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 385.4 / 53
p0 1633 ± 1.615
1700
1680
1660
1640
1620
1600
1580
1560
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

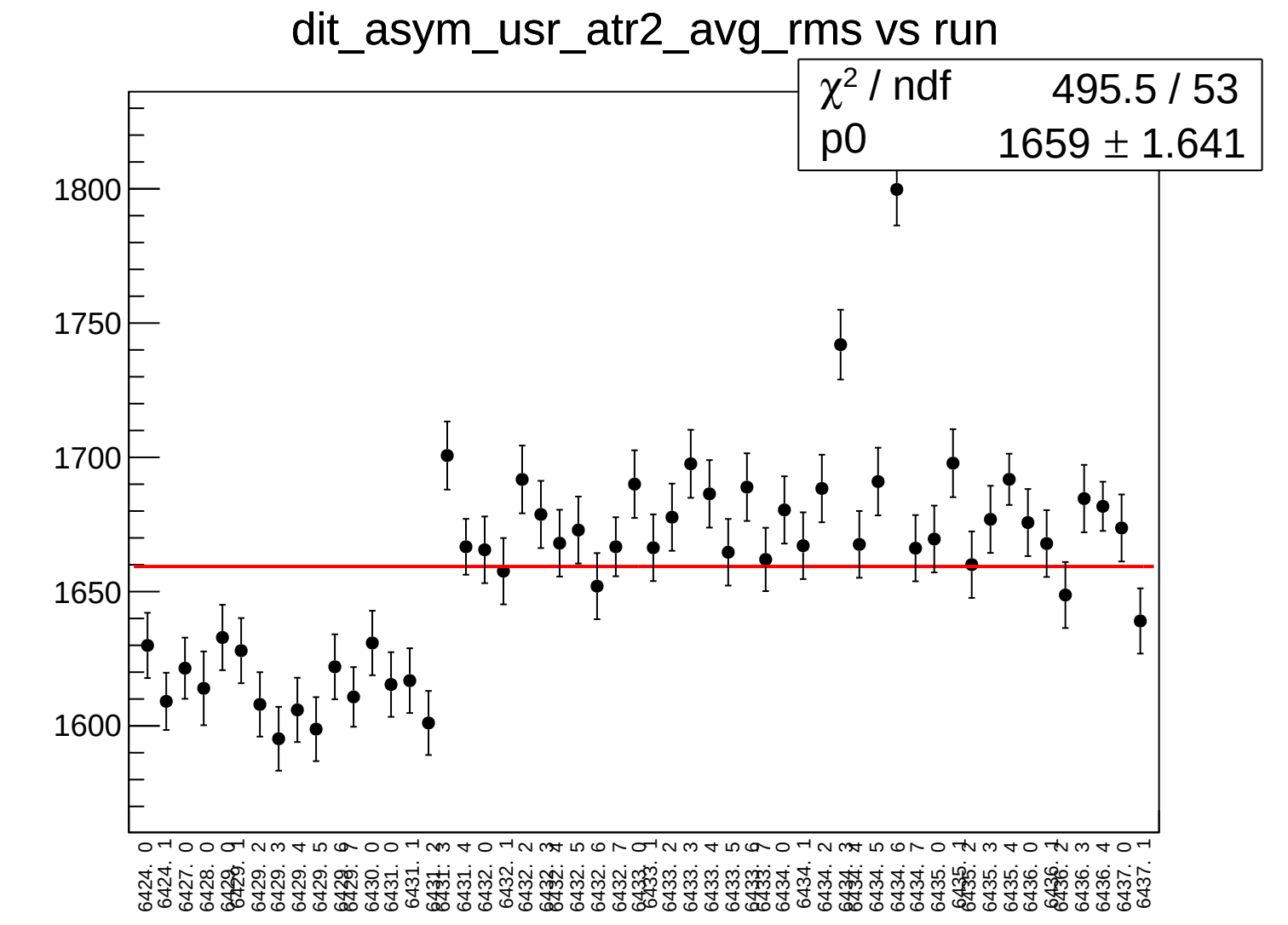

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.6 / 53
p0 −3968 ± 6492
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 1328
Std Dev 0
2
1
0
−1
−2

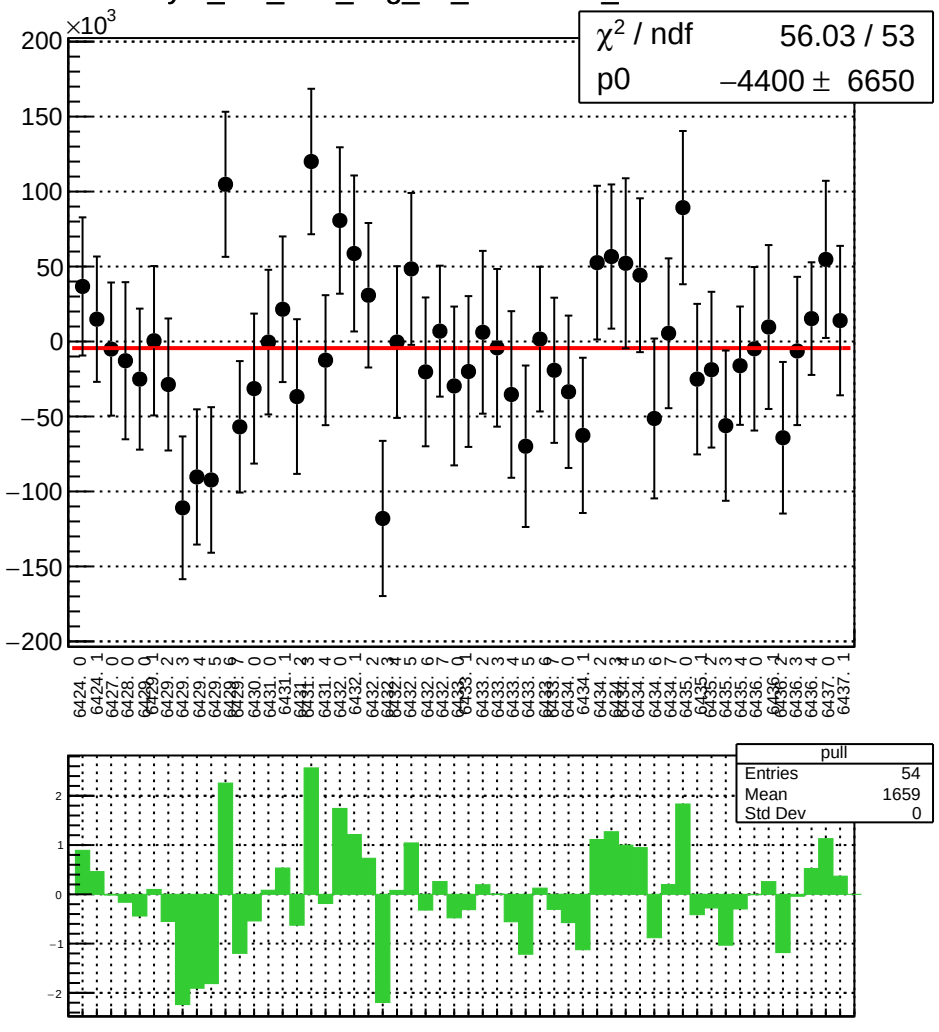

pull1D
Entries 54
Mean 0.001348
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

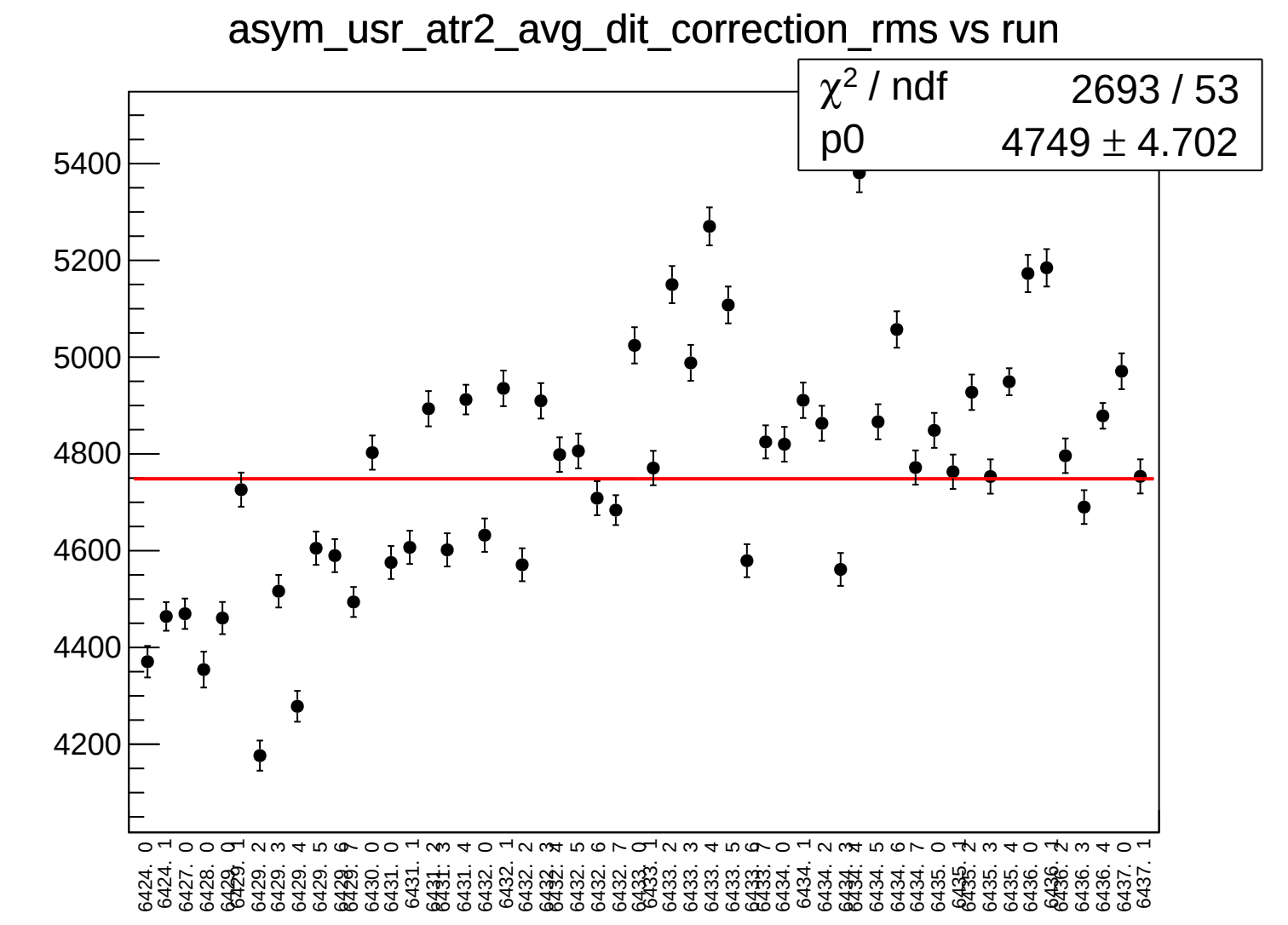

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2776 / 53
p0 4636 ± 4.591
5600
5400
5200
5000
4800
4600
4400
4200
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

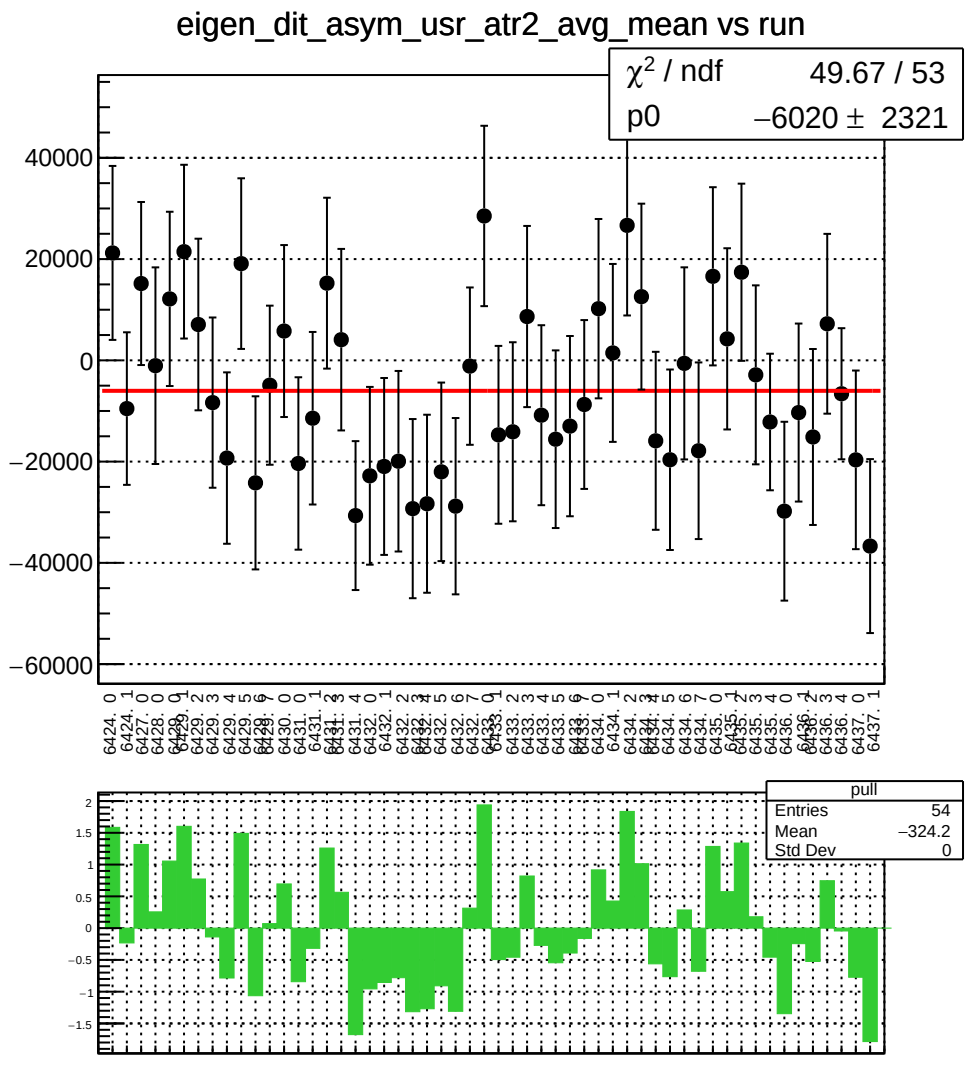

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 49.67 / 53
p0 −6020 ± 2321
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −324.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

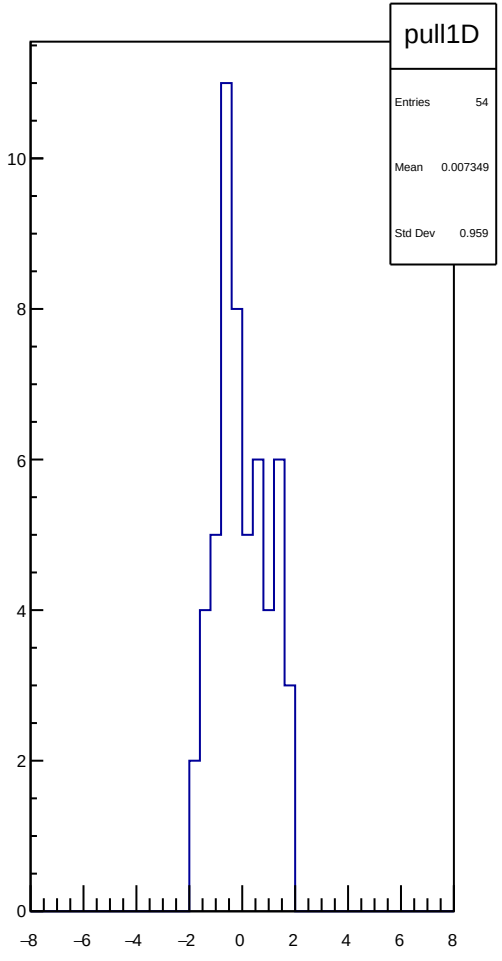

pull1D
Entries 54
Mean 0.007349
Std Dev 0.959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

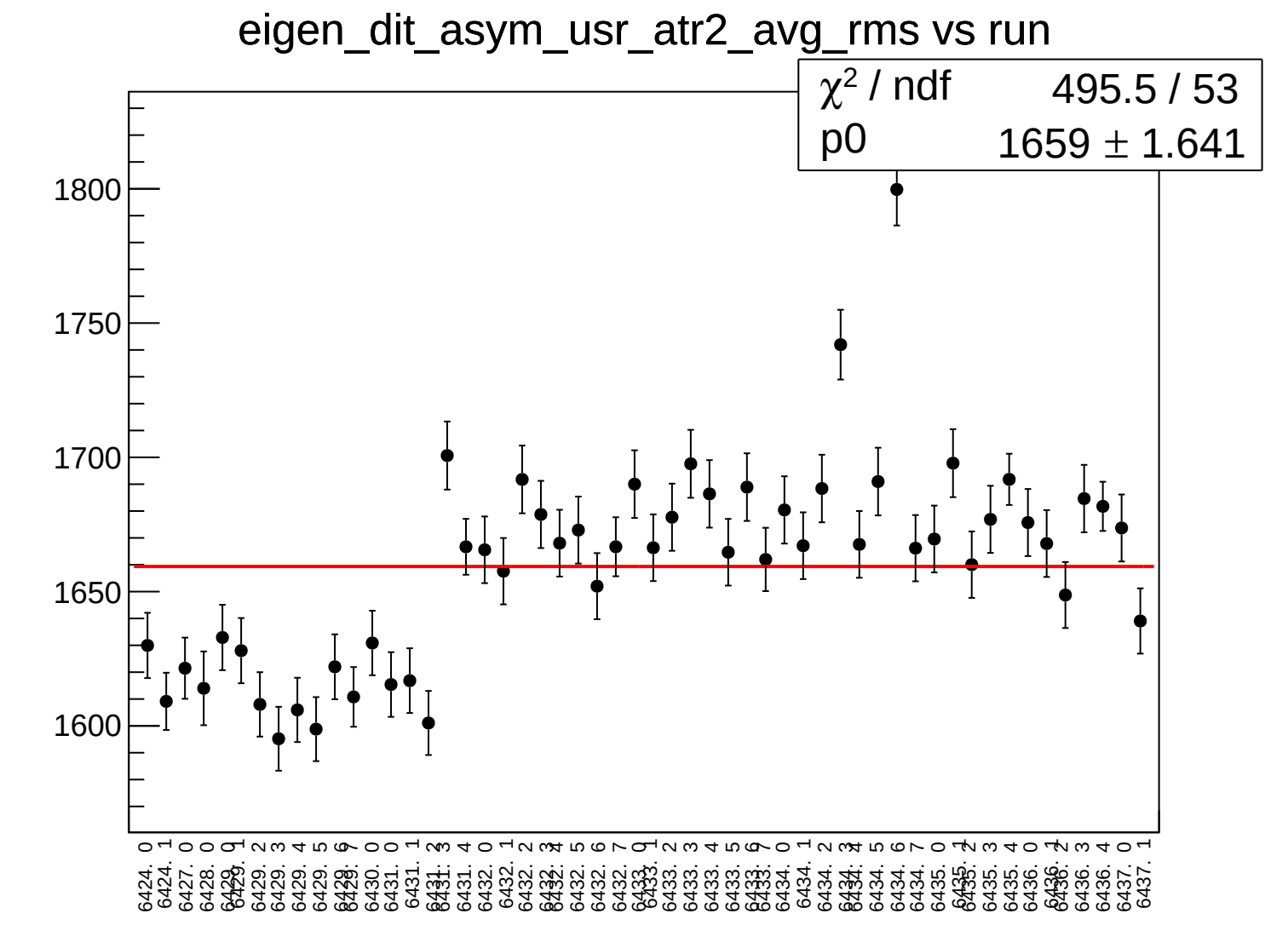

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 495.5 / 53
p0 1659 ± 1.641
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

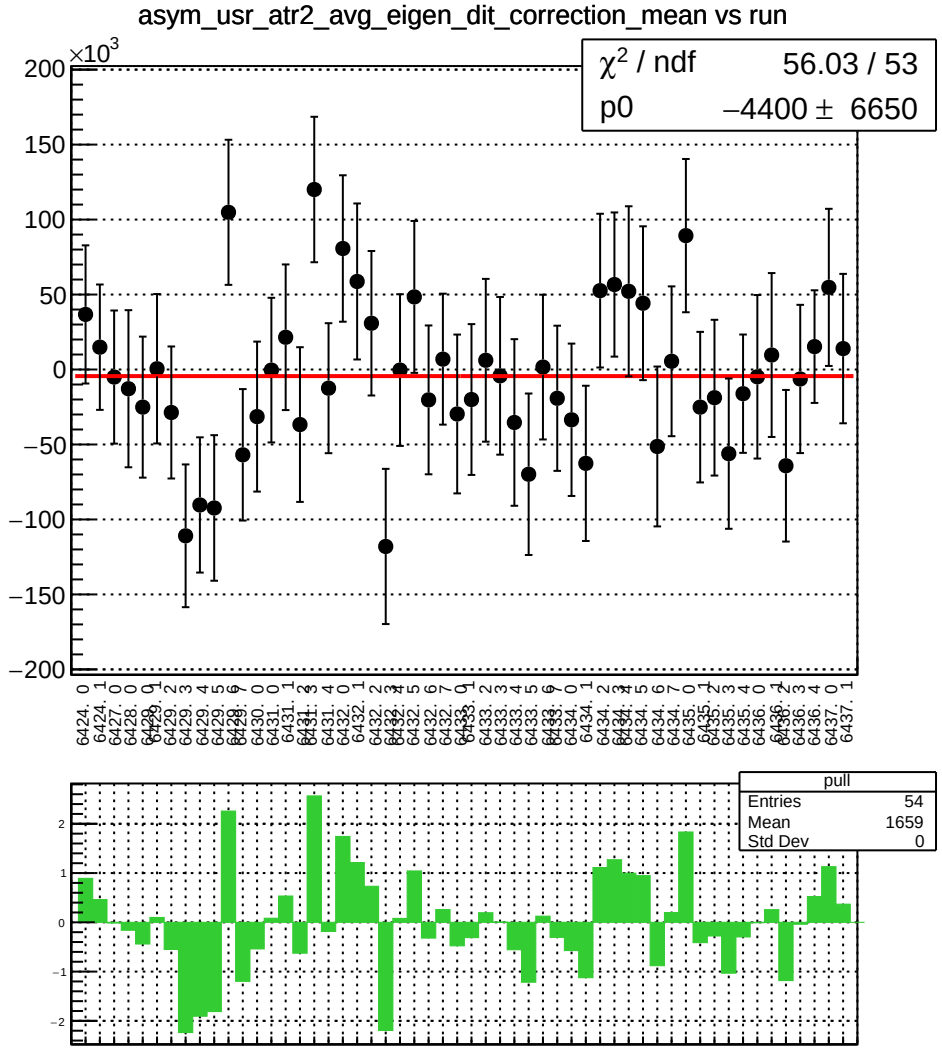

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.03 / 53
p0 −4400 ± 6650
pull
Entries 54
Mean 1659
Std Dev 0
pull1D
Entries 54
Mean 0.0008929
Std Dev 1.019

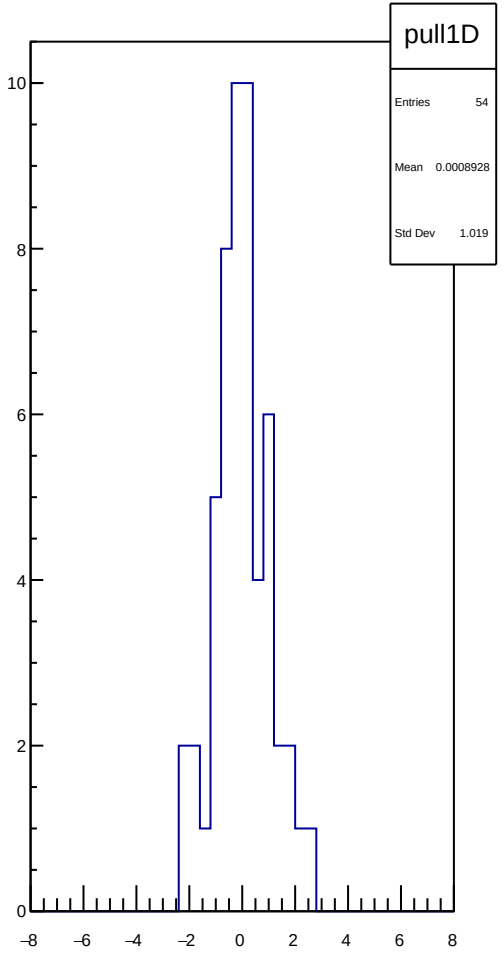

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 2693 / 53
p0 4749 ± 4.702
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

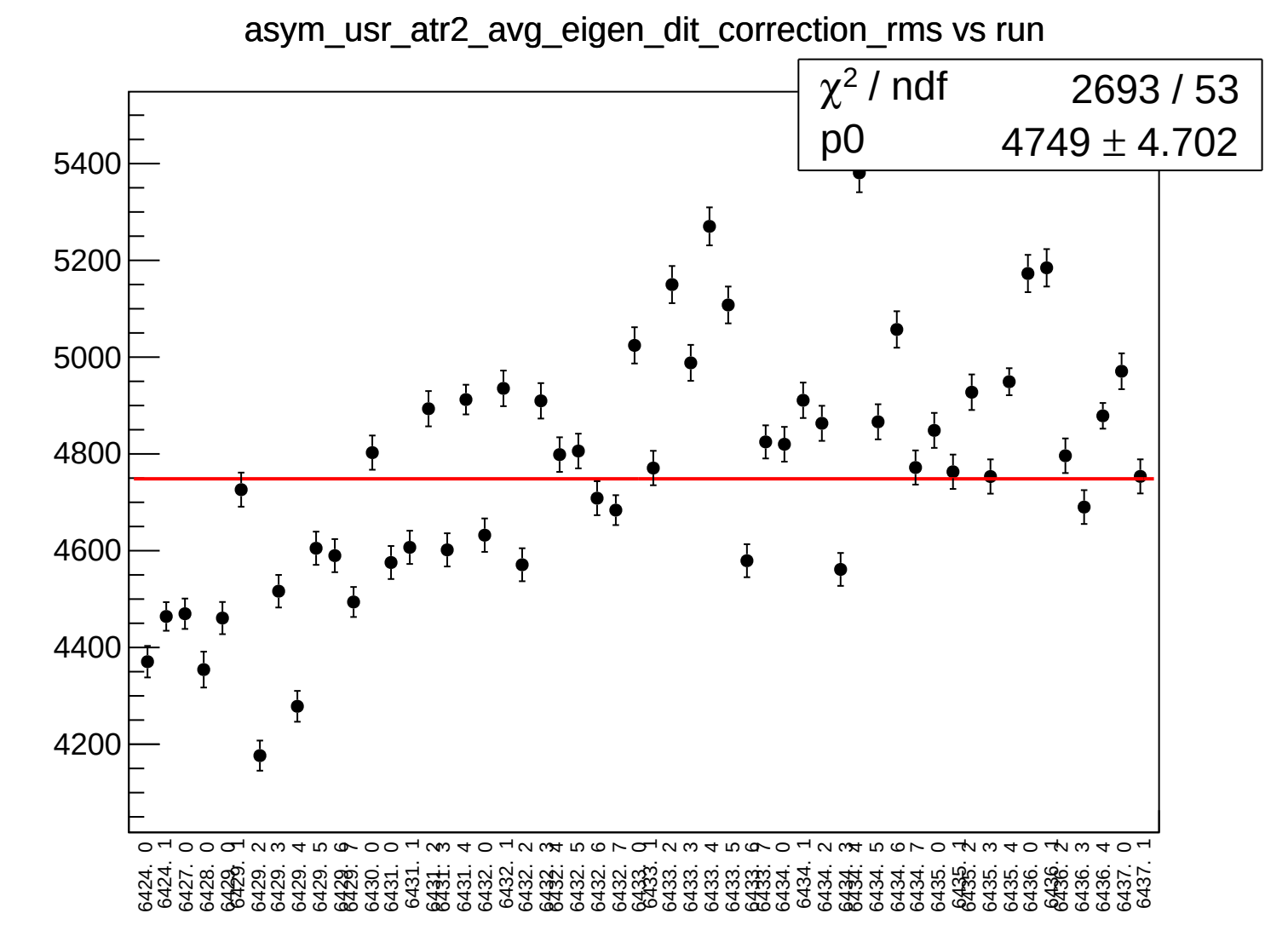

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 49.67 / 53
p0 −6020 ± 2321
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −324.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

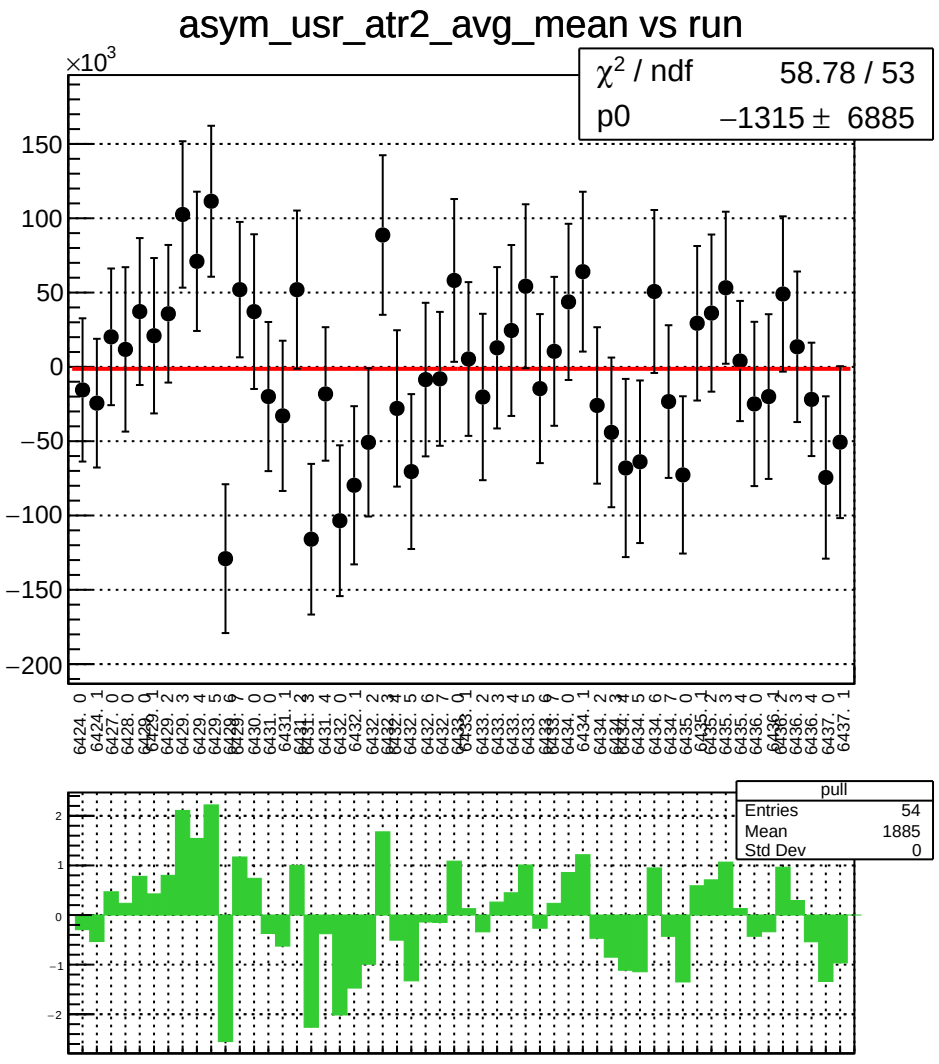

pull1D
Entries 54
Mean 0.007349
Std Dev 0.959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

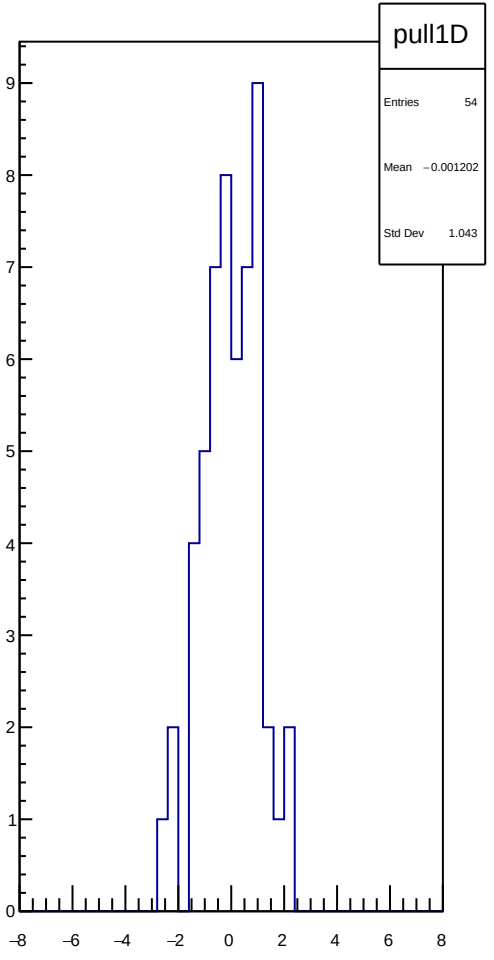

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 495.5 / 53
p0 1659 ± 1.641
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

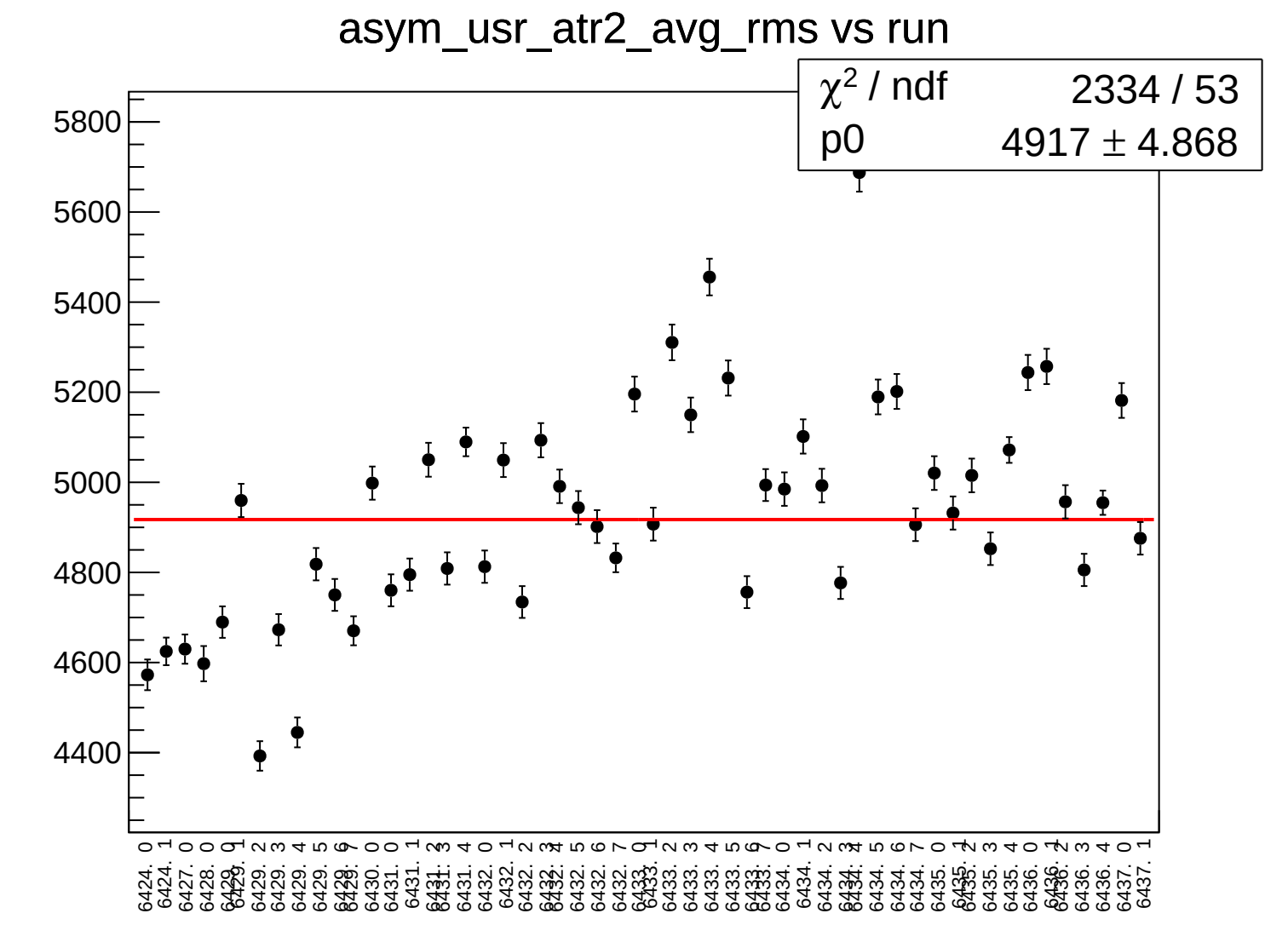

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.03 / 53
p0 −4400 ± 6650
pull
Entries 54
Mean 1659
Std Dev 0

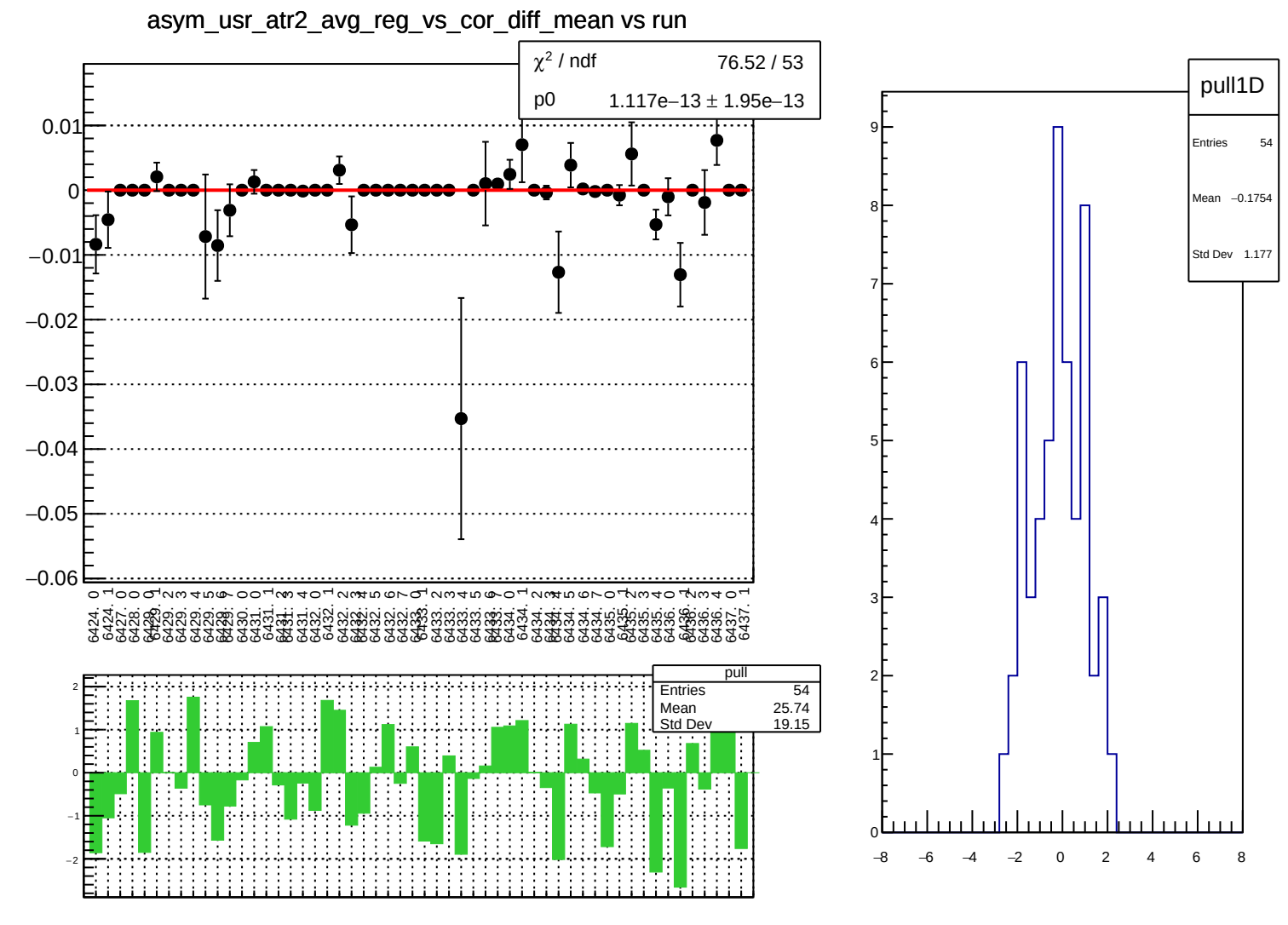

pull1D
Entries 54
Mean 0.0008928
Std Dev 1.019

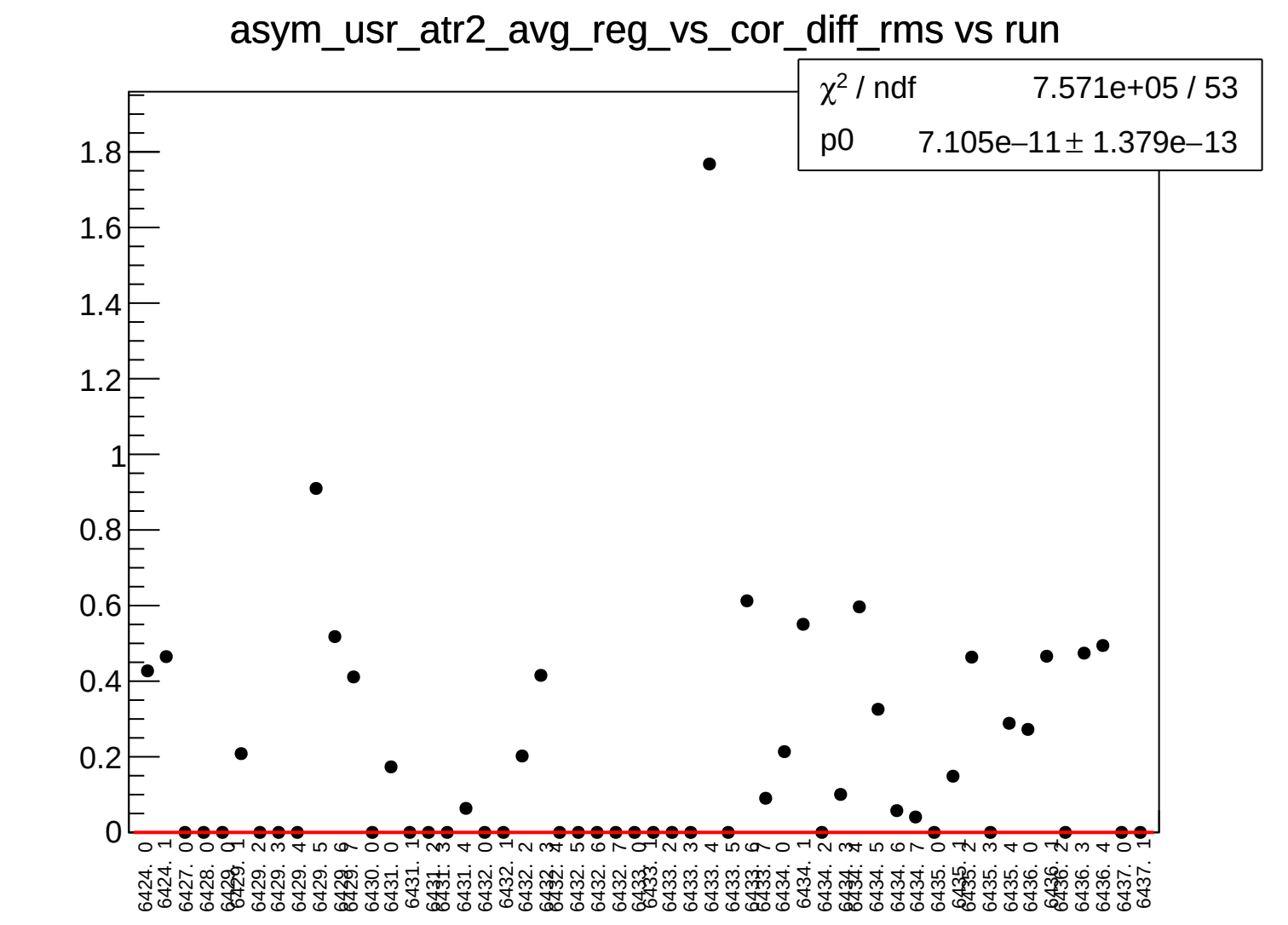

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2693 / 53
p0 4749 ± 4.702
5400
5200
5000
4800
4600
4400
4200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

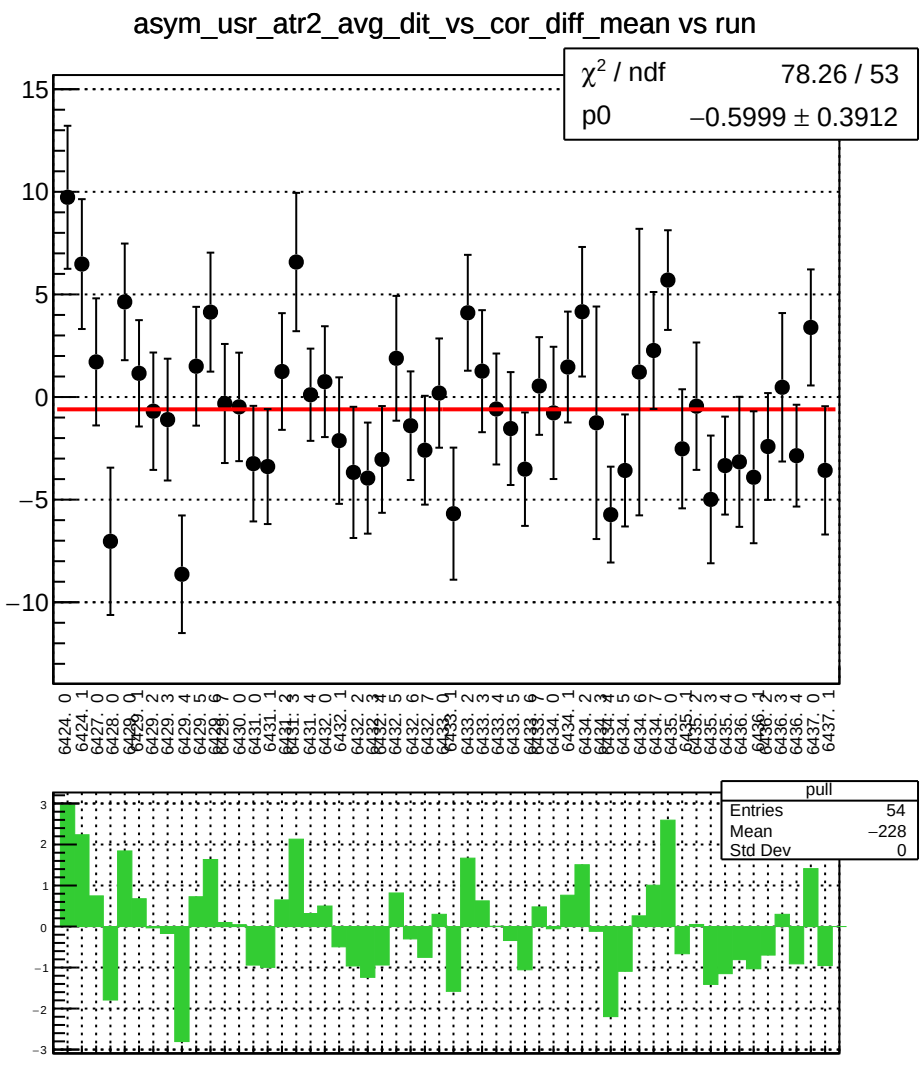

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 58.78 / 53
p0 −1315 ± 6885
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 1885
Std Dev 0
2
1
0
−1
−2

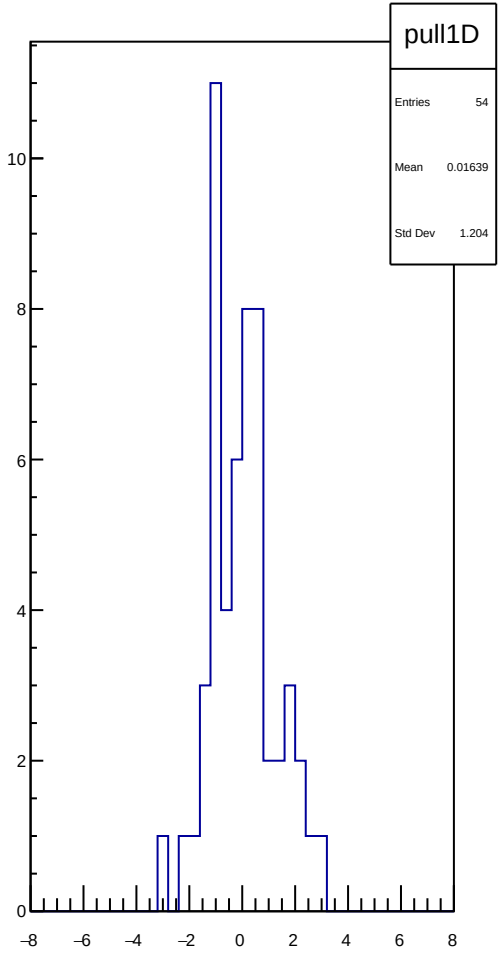

pull1D
Entries 54
Mean −0.001202
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

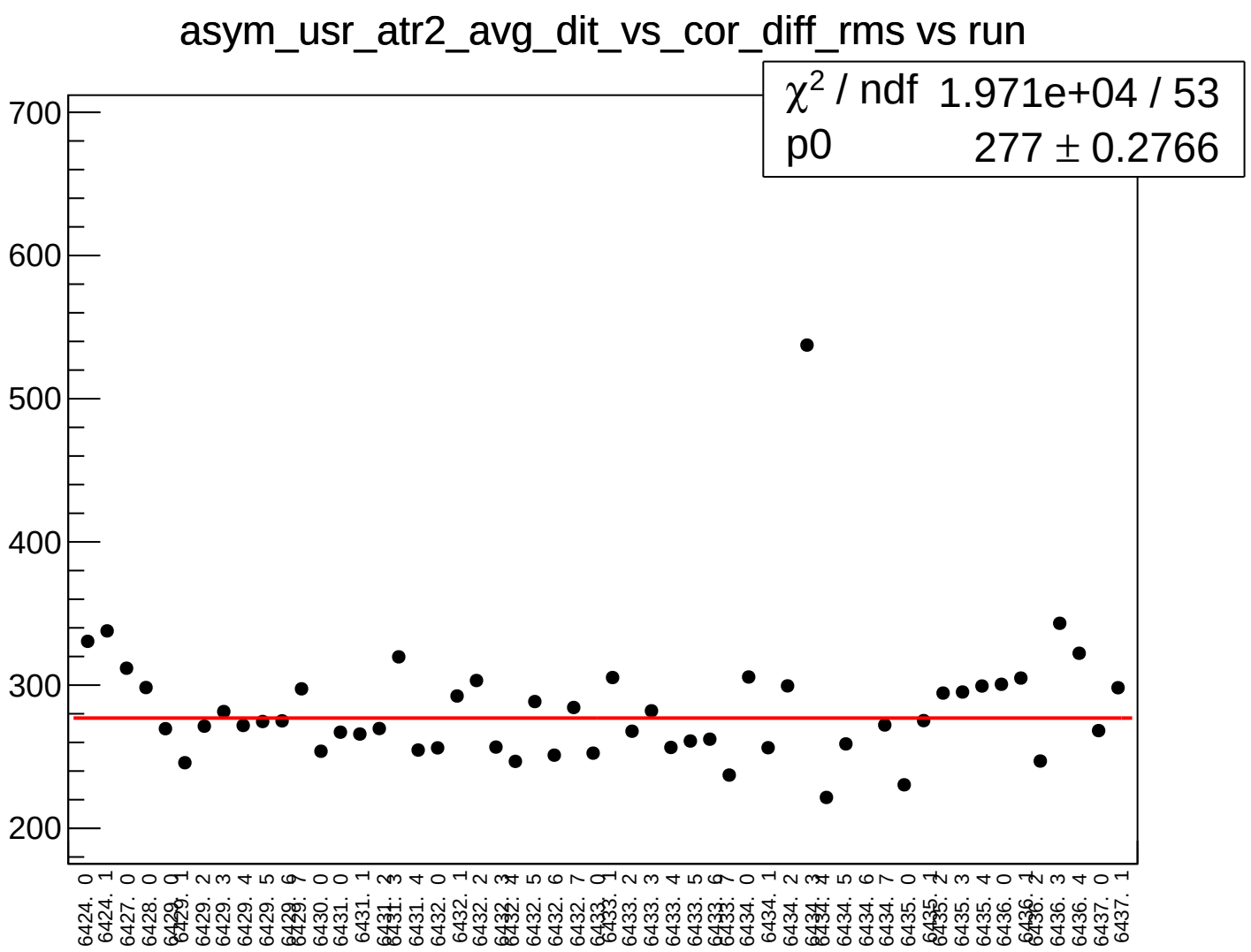

asym_usr_atr2_avg_rms vs run
χ² / ndf 2334 / 53
p0 4917 ± 4.868
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

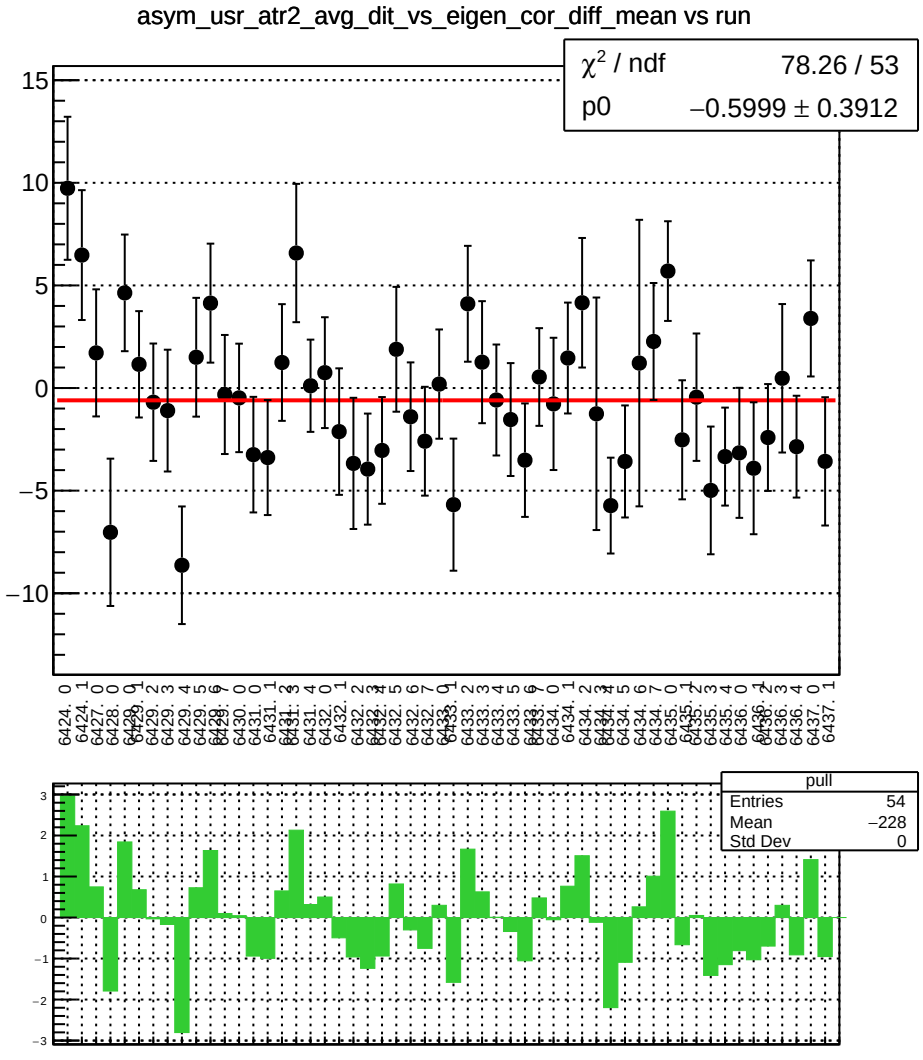

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.52 / 53
p0 1.117e−13 ± 1.95e−13
pull
Entries 54
Mean 25.74
Std Dev 19.15
pull1D
Entries 54
Mean −0.1754
Std Dev 1.177

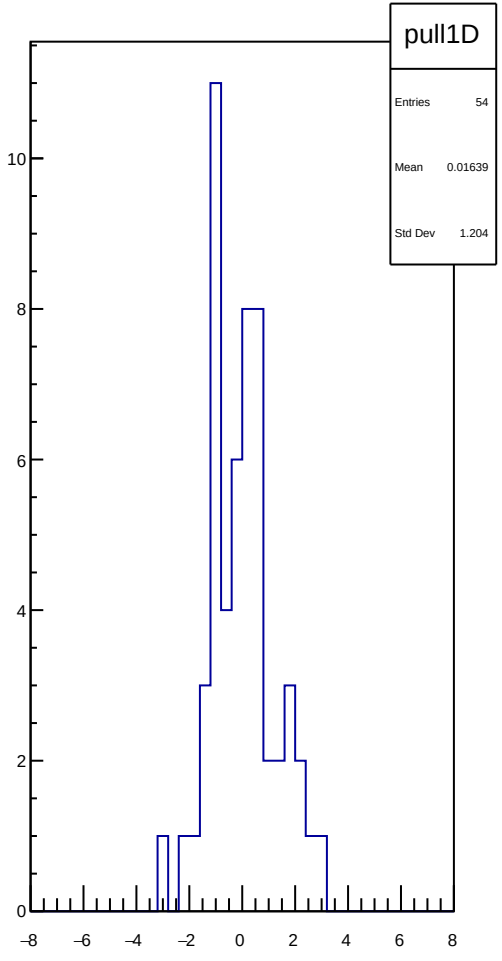

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.571e+05 / 53
p0 7.105e−11 ± 1.379e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

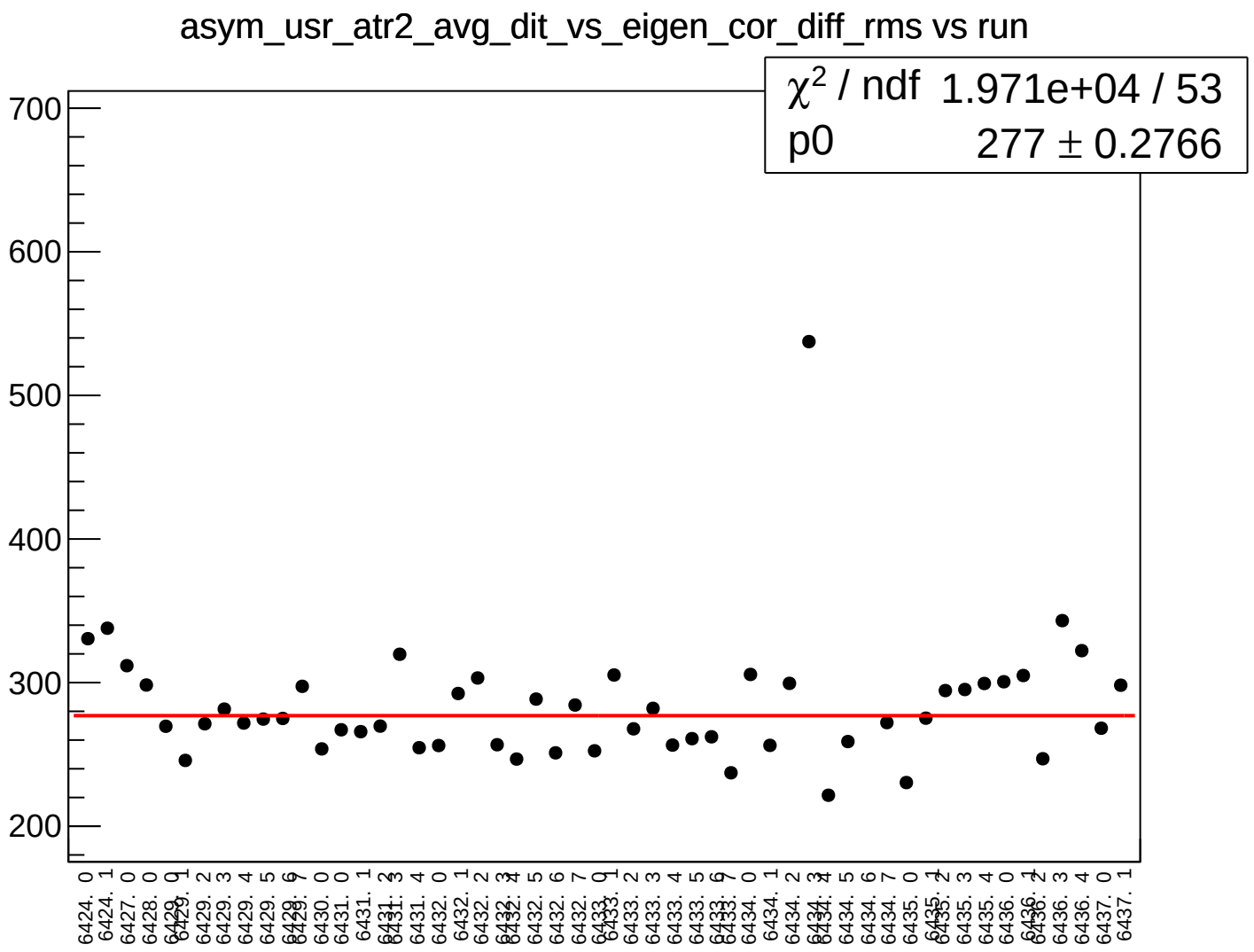

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.26 / 53
p0 −0.5999 ± 0.3912
pull
Entries 54
Mean −228
Std Dev 0

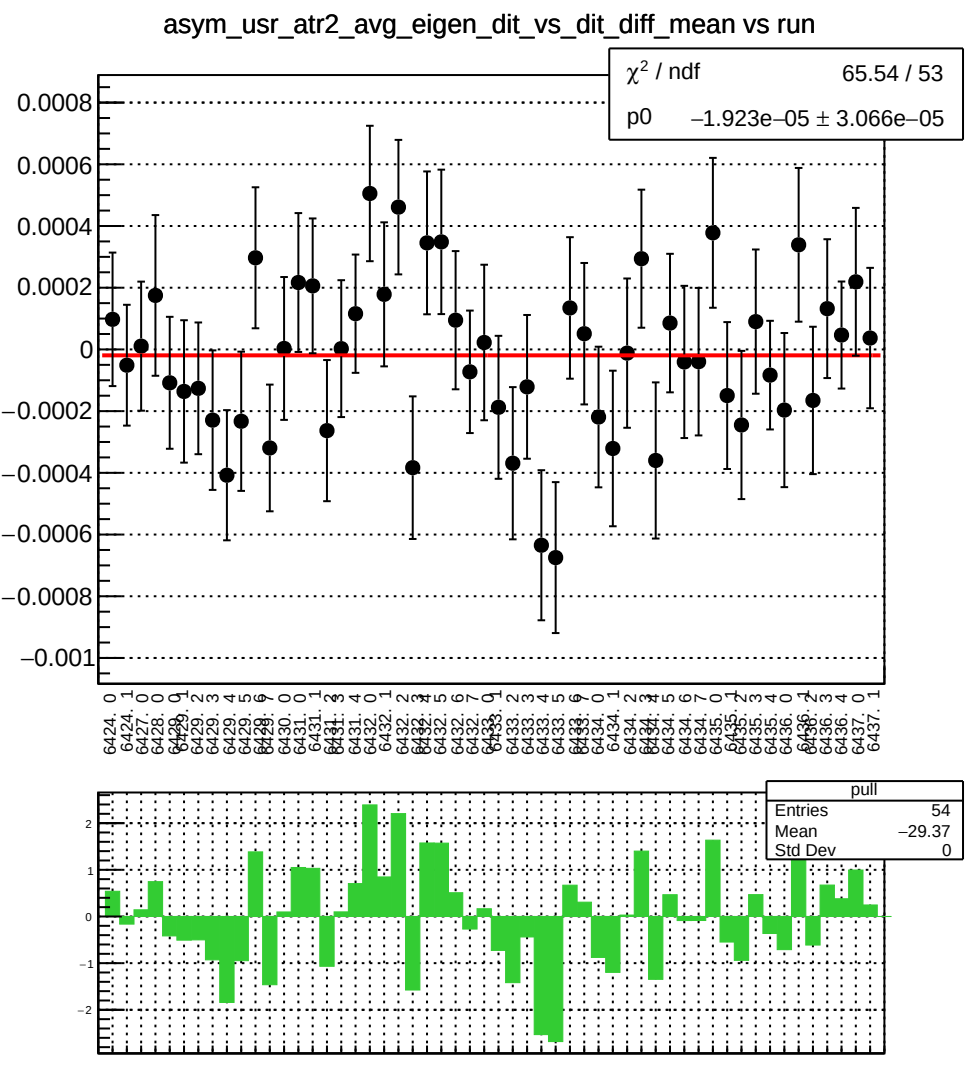

pull1D
Entries 54
Mean 0.01639
Std Dev 1.204

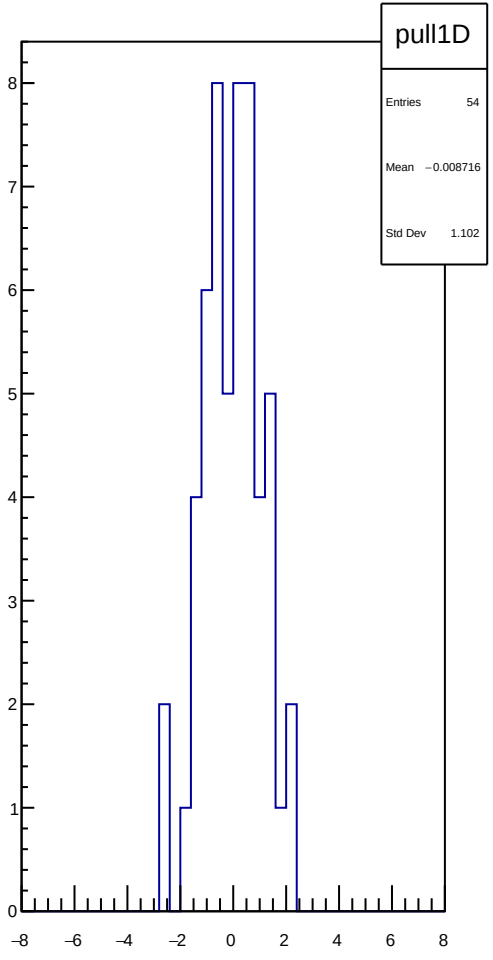

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.971e+04 / 53
p0 277 ± 0.2766
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

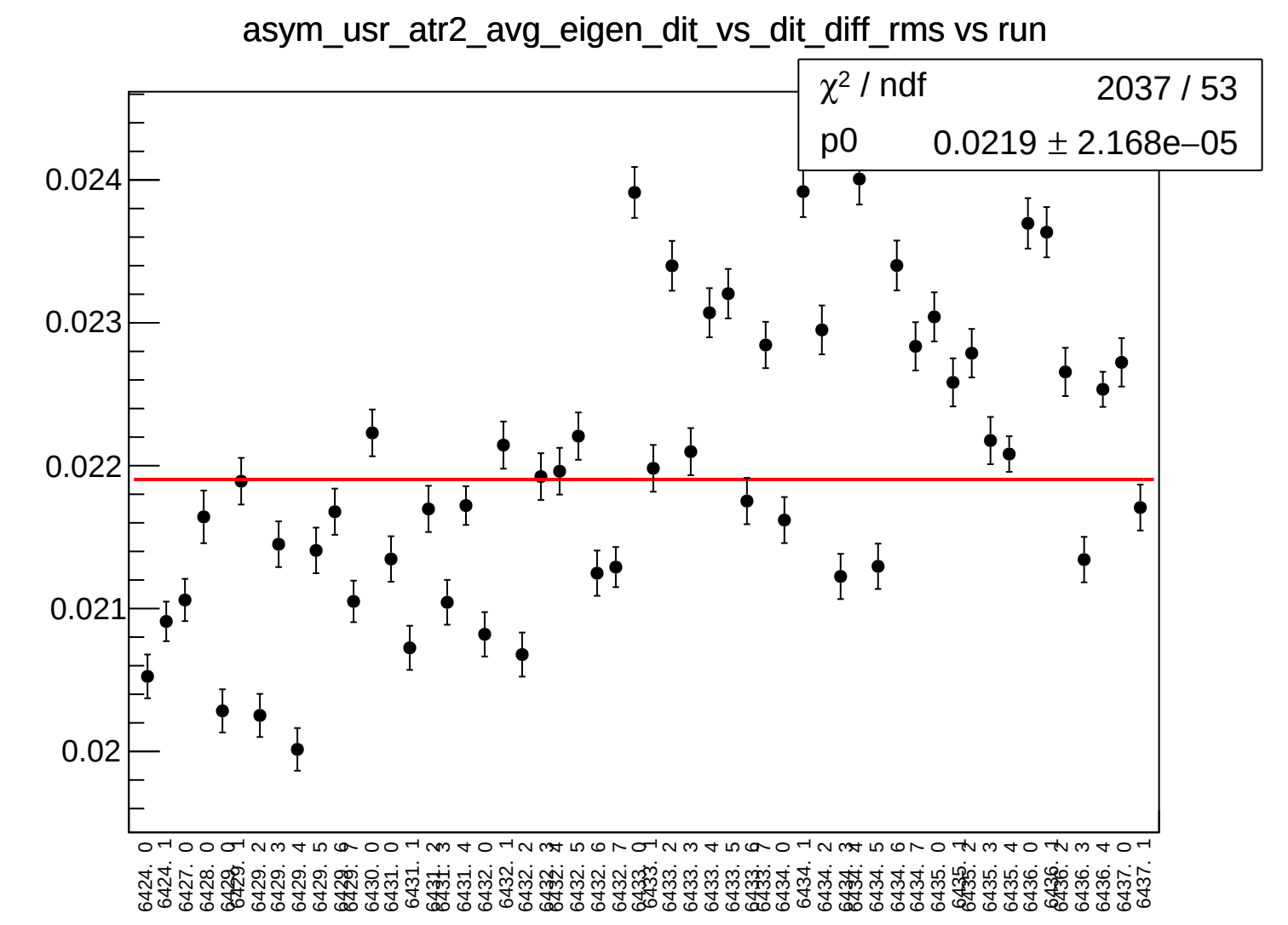

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.26 / 53
p0 −0.5999 ± 0.3912
pull
Entries 54
Mean −228
Std Dev 0

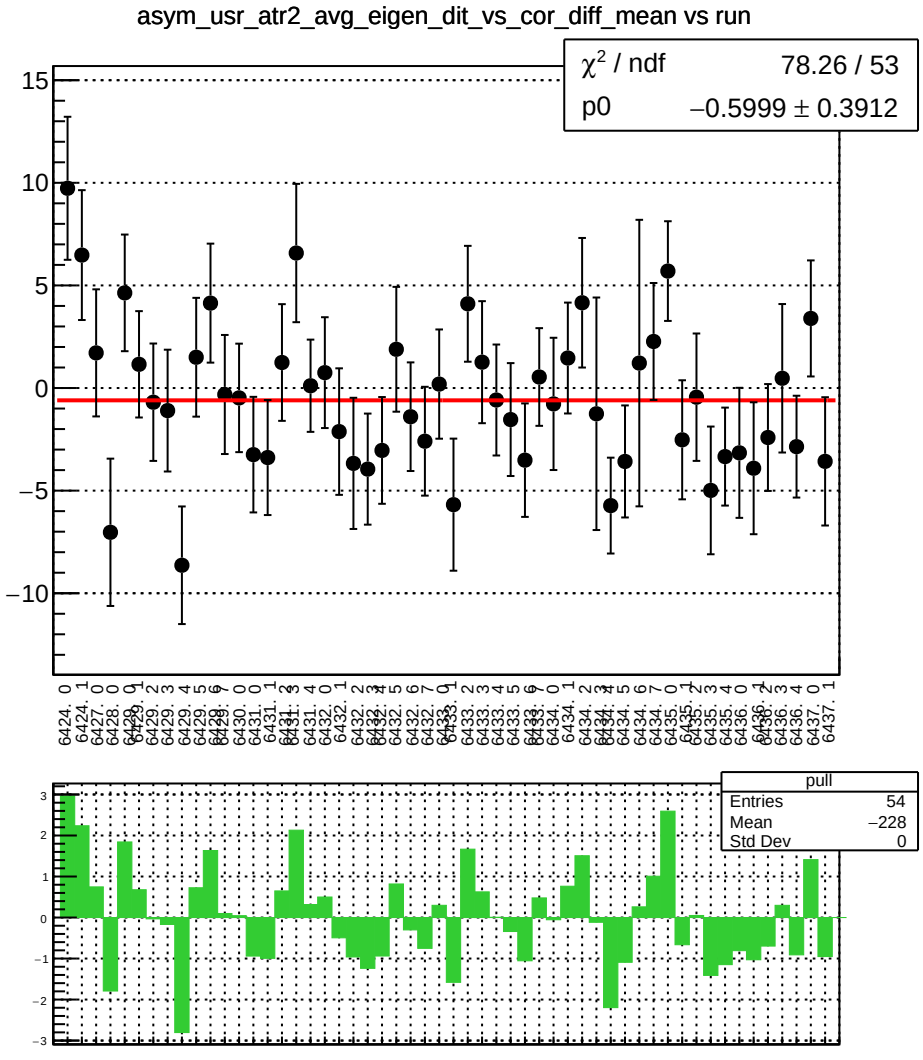

pull1D
Entries 54
Mean 0.01639
Std Dev 1.204

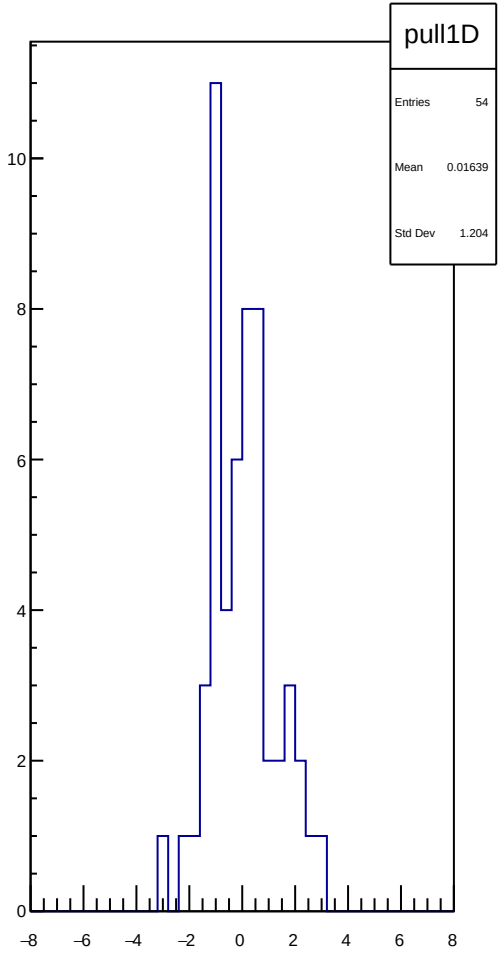

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.971e+04 / 53
p0 277 ± 0.2766
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

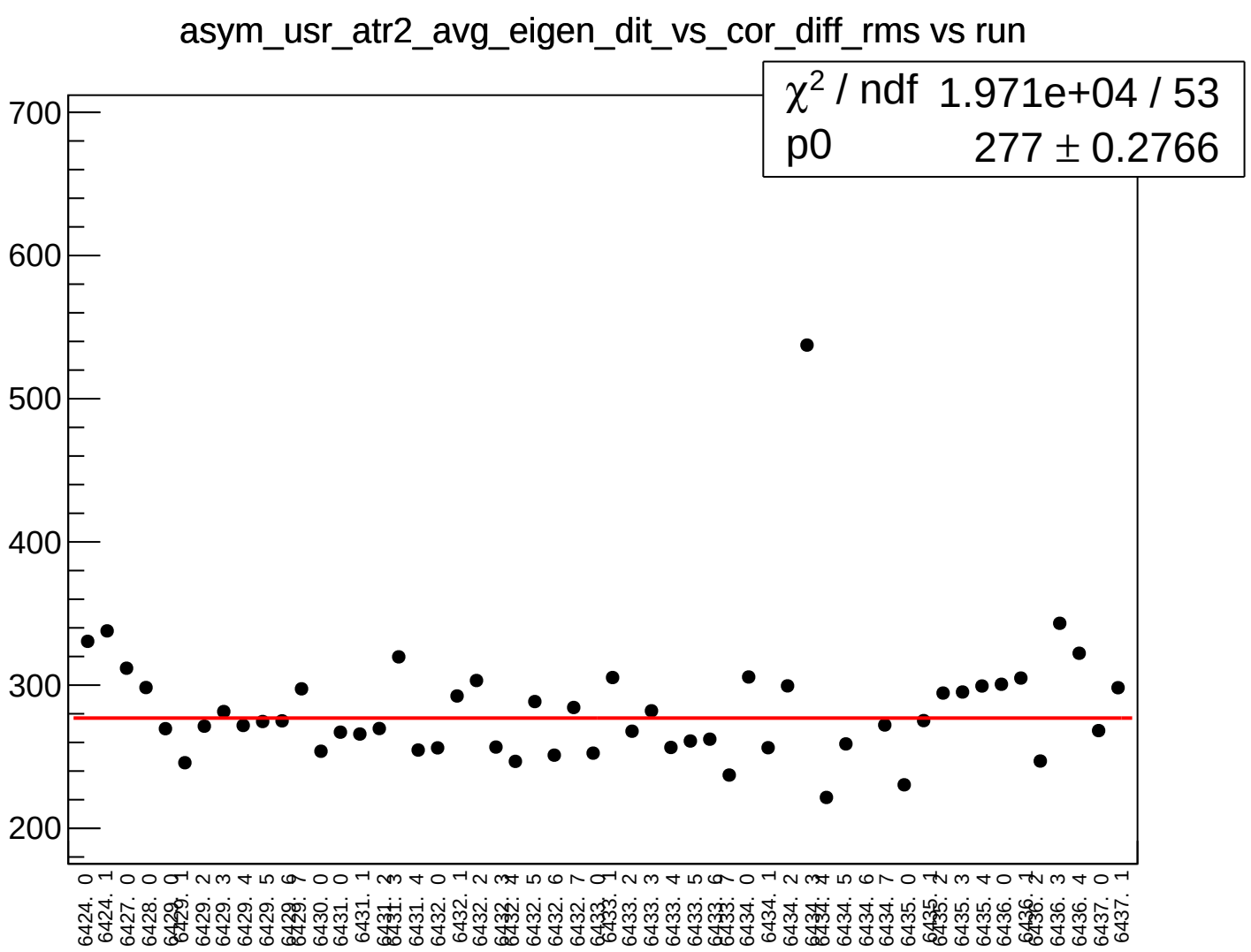

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 65.54 / 53
p0 −1.923e−05 ± 3.066e−05
pull
Entries 54
Mean −29.37
Std Dev 0

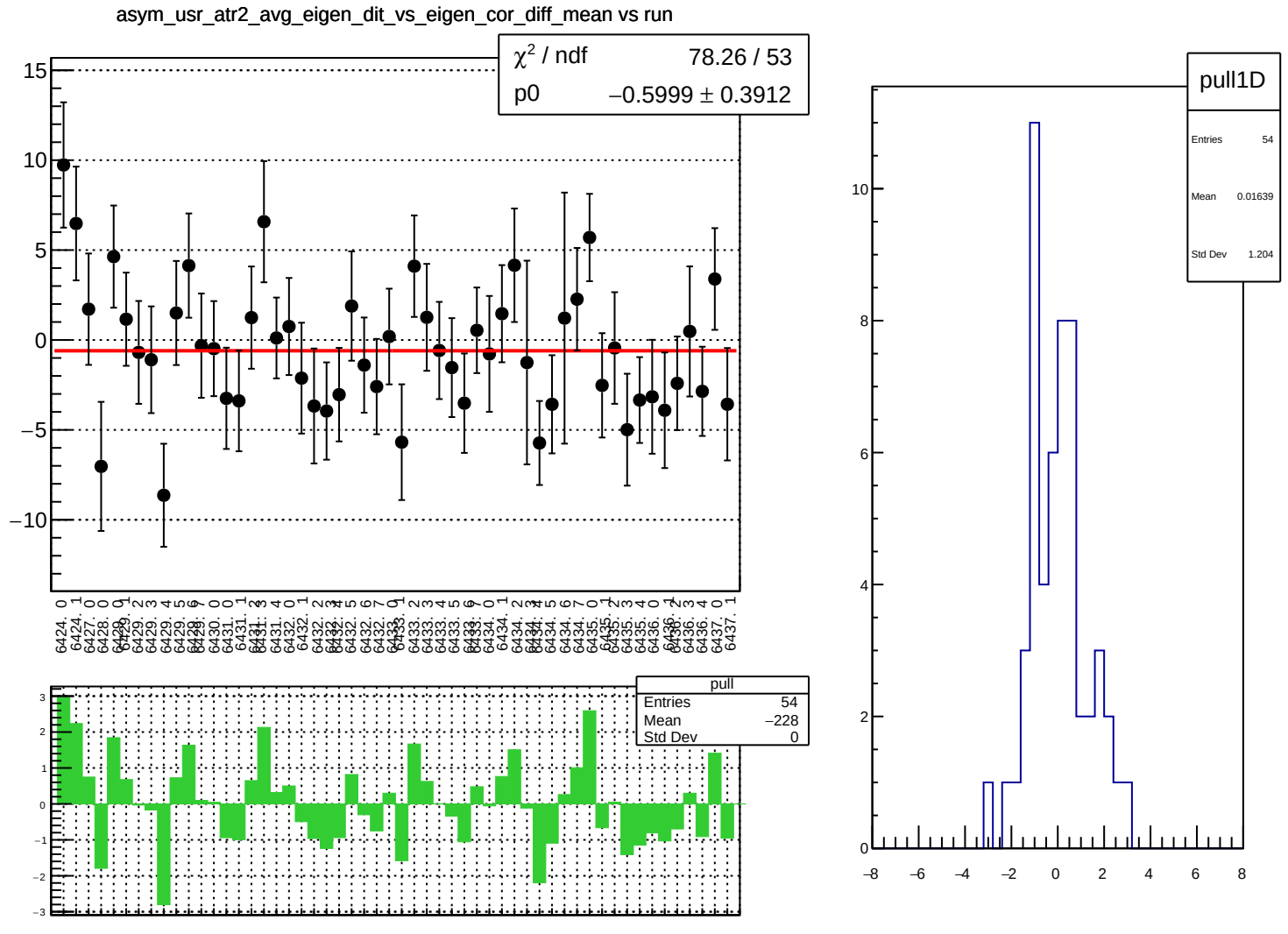

pull1D
Entries 54
Mean −0.008716
Std Dev 1.102

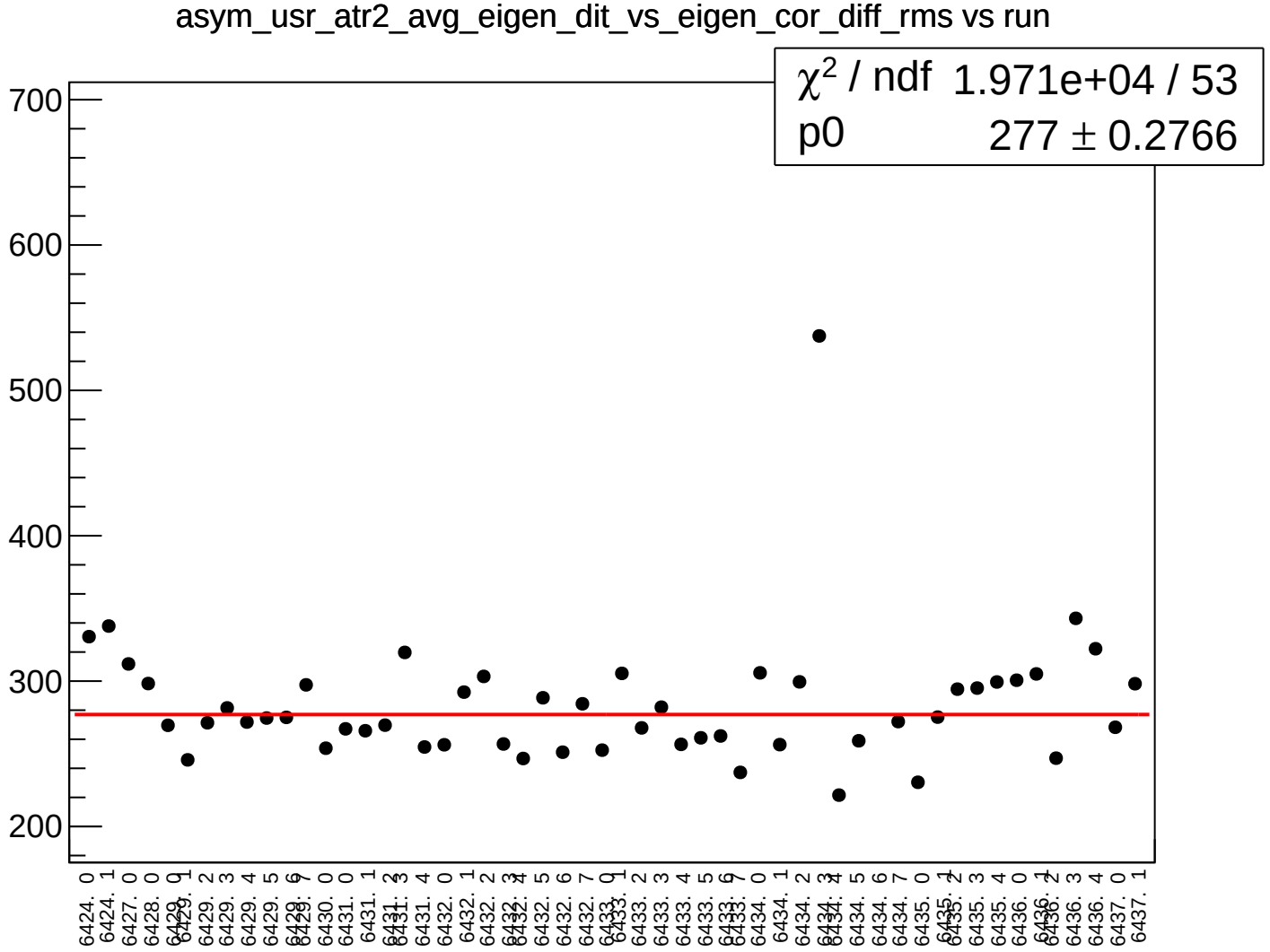

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2037 / 53
p0 0.0219 ± 2.168e−05
0.024
0.023
0.022
0.021
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

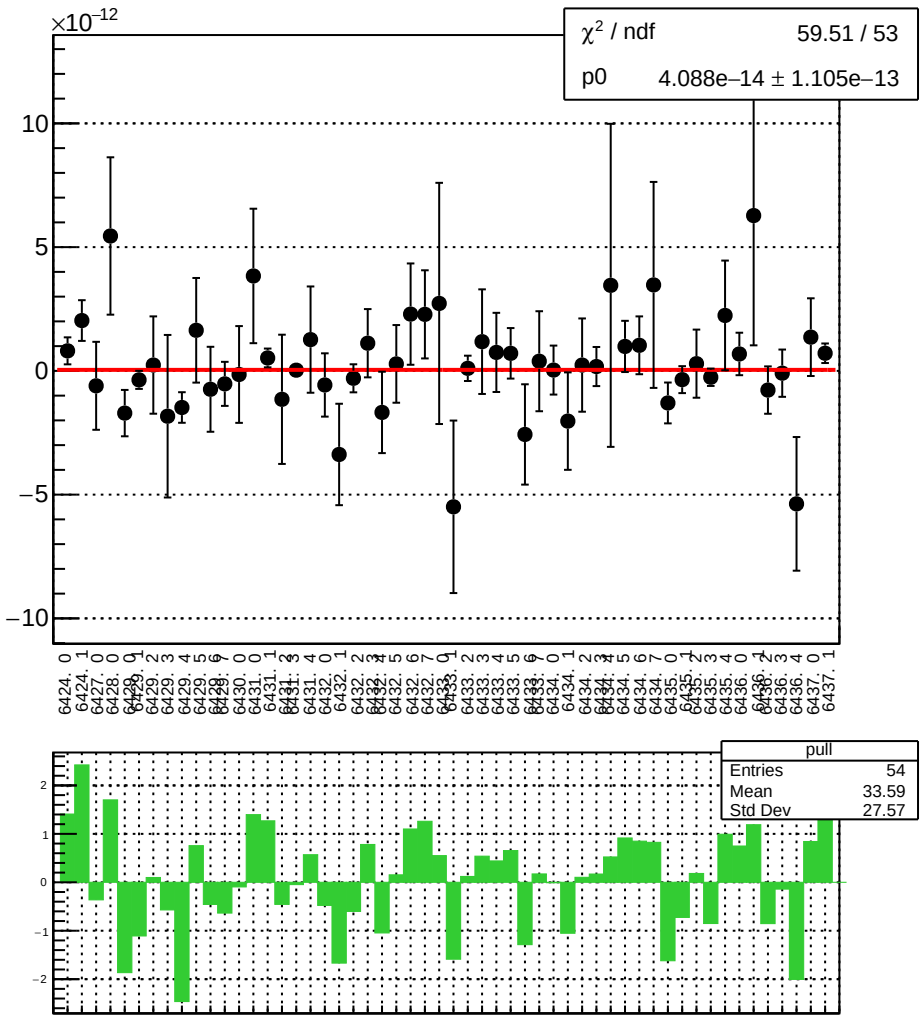

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.26 / 53
p0 −0.5999 ± 0.3912
pull
Entries 54
Mean −228
Std Dev 0

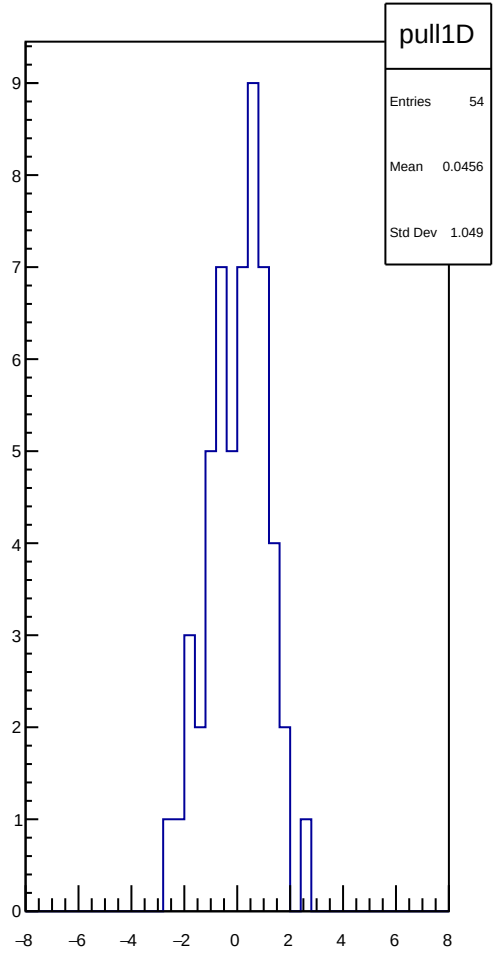

pull1D
Entries 54
Mean 0.01639
Std Dev 1.204

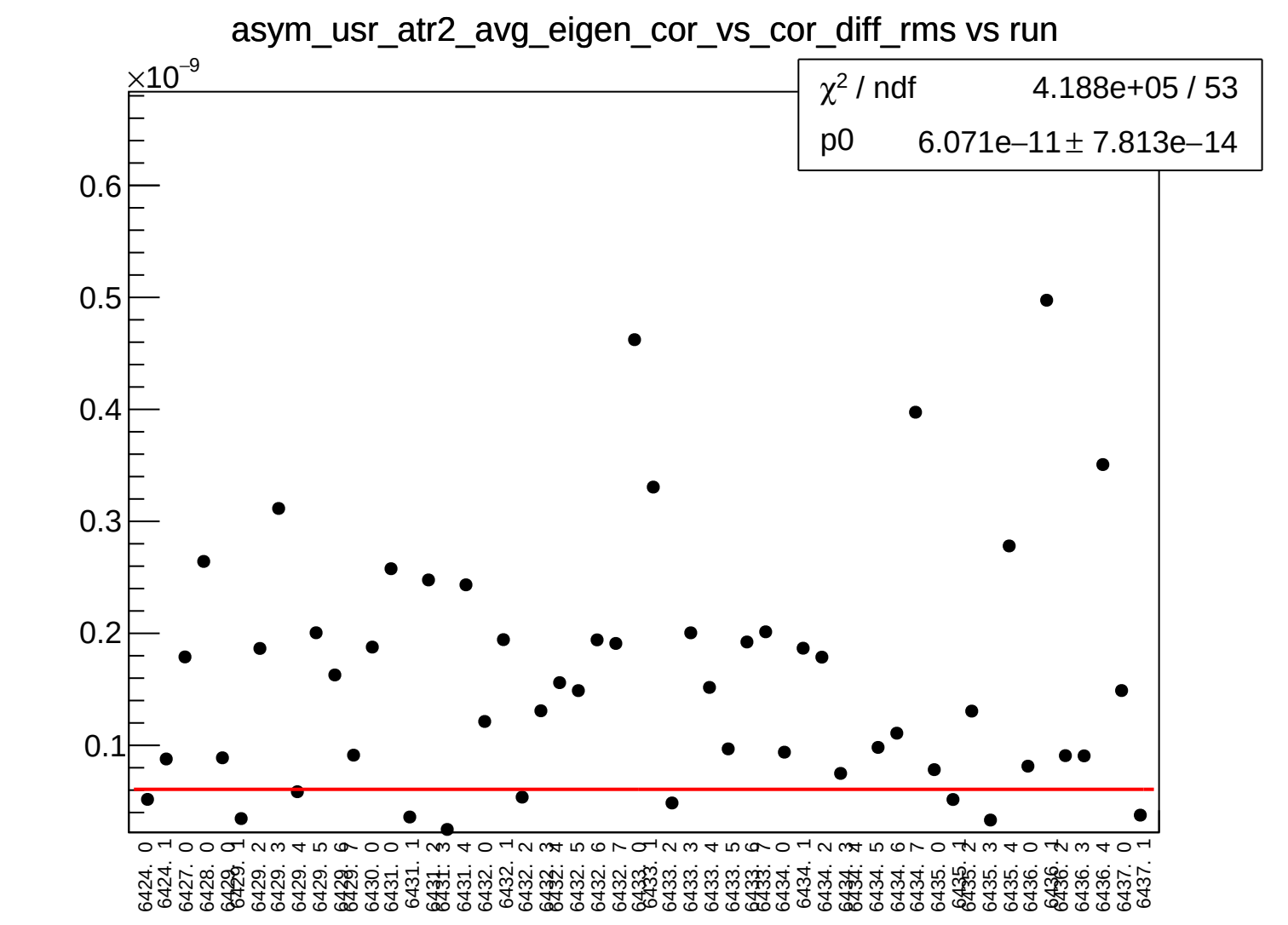

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.971e+04 / 53
p0 277 ± 0.2766
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

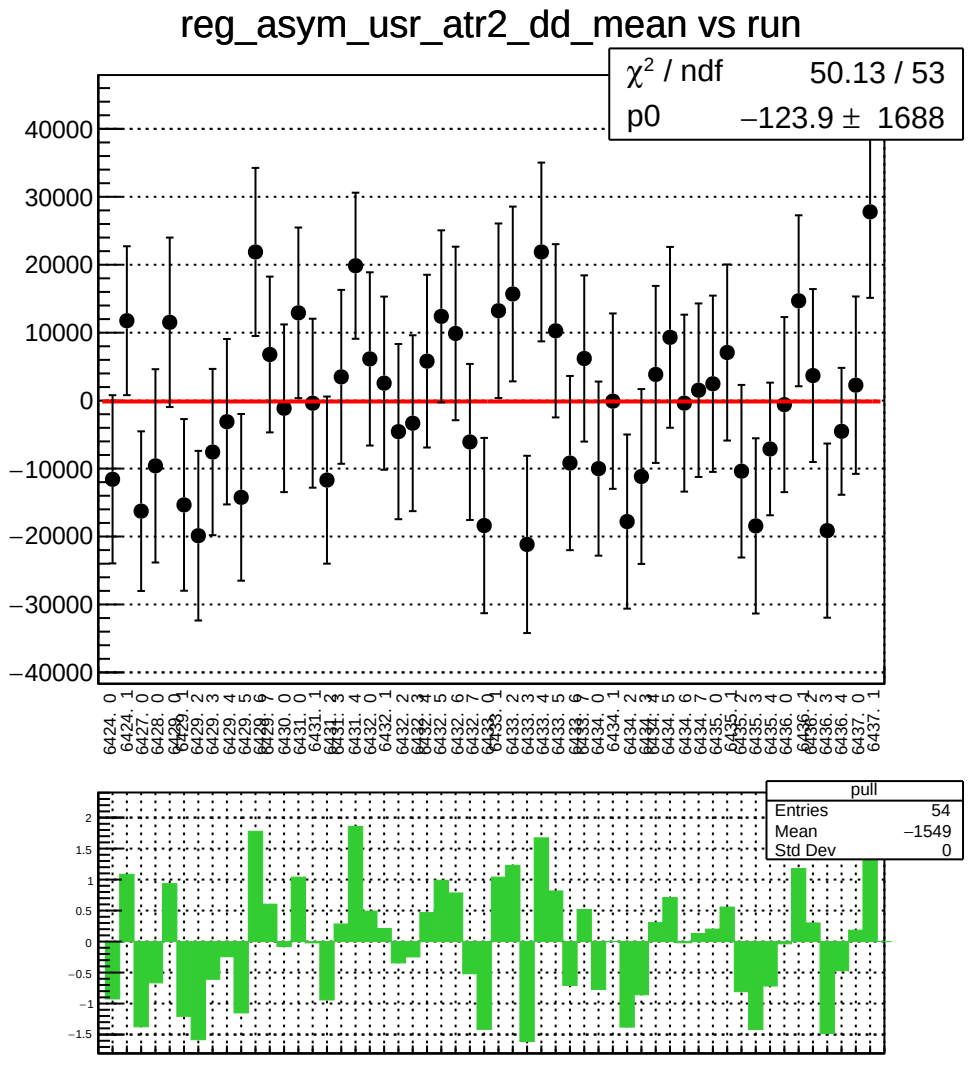

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.26 / 53
p0 −0.5999 ± 0.3912
pull
Entries 54
Mean −228
Std Dev 0
pull1D
Entries 54
Mean 0.01639
Std Dev 1.204

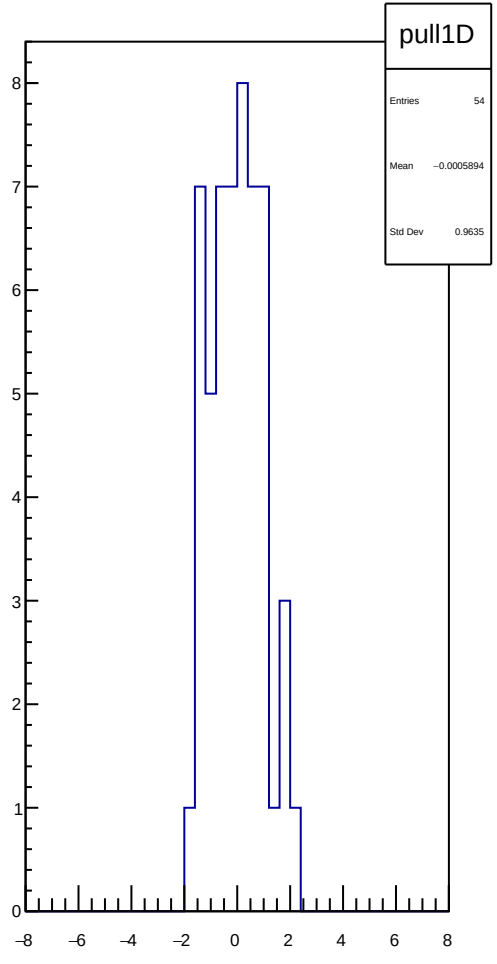

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.971e+04 / 53
p0 277 ± 0.2766
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

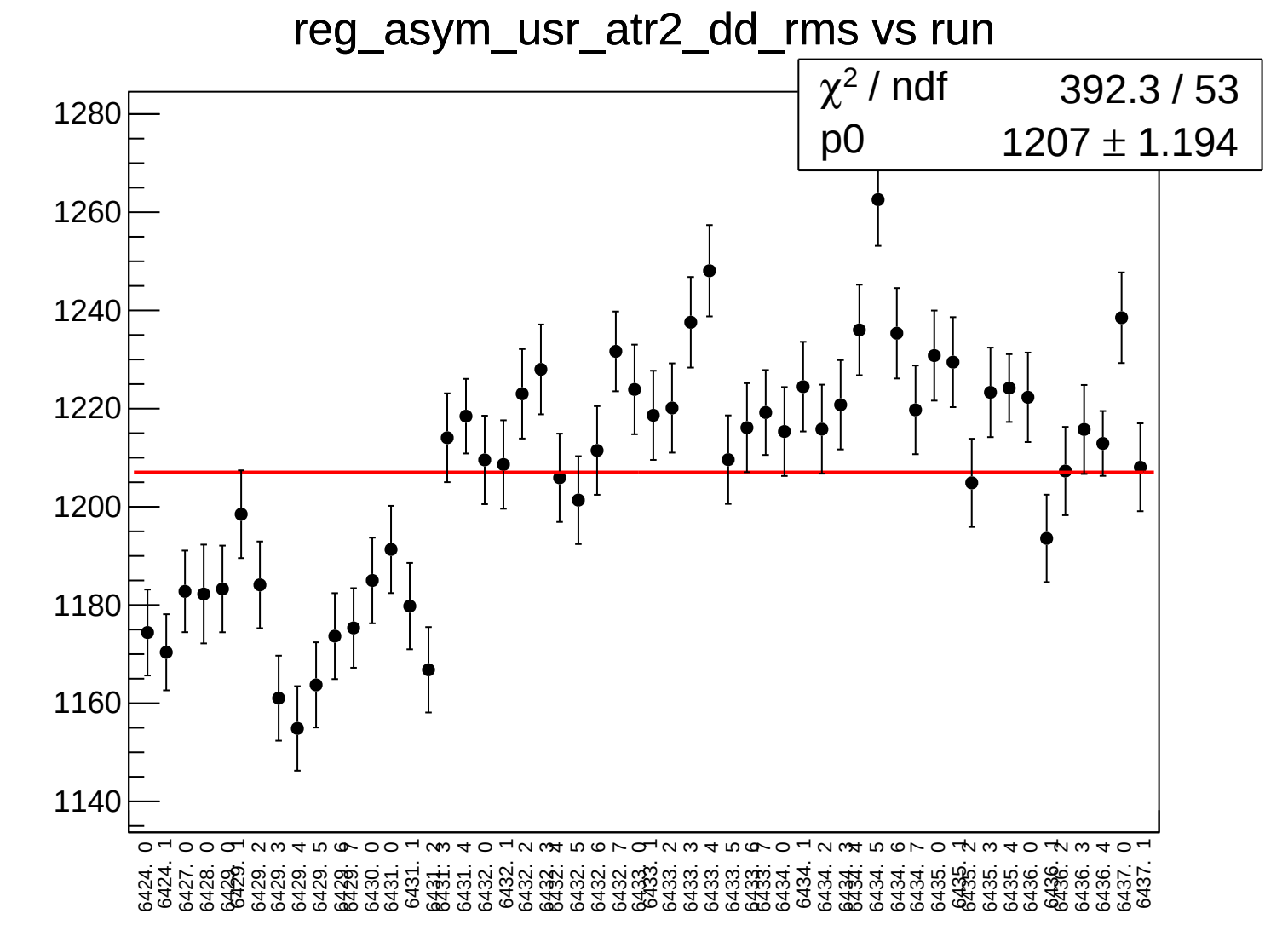

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.51 / 53
p0 4.088e−14 ± 1.105e−13
pull
Entries 54
Mean 33.59
Std Dev 27.57

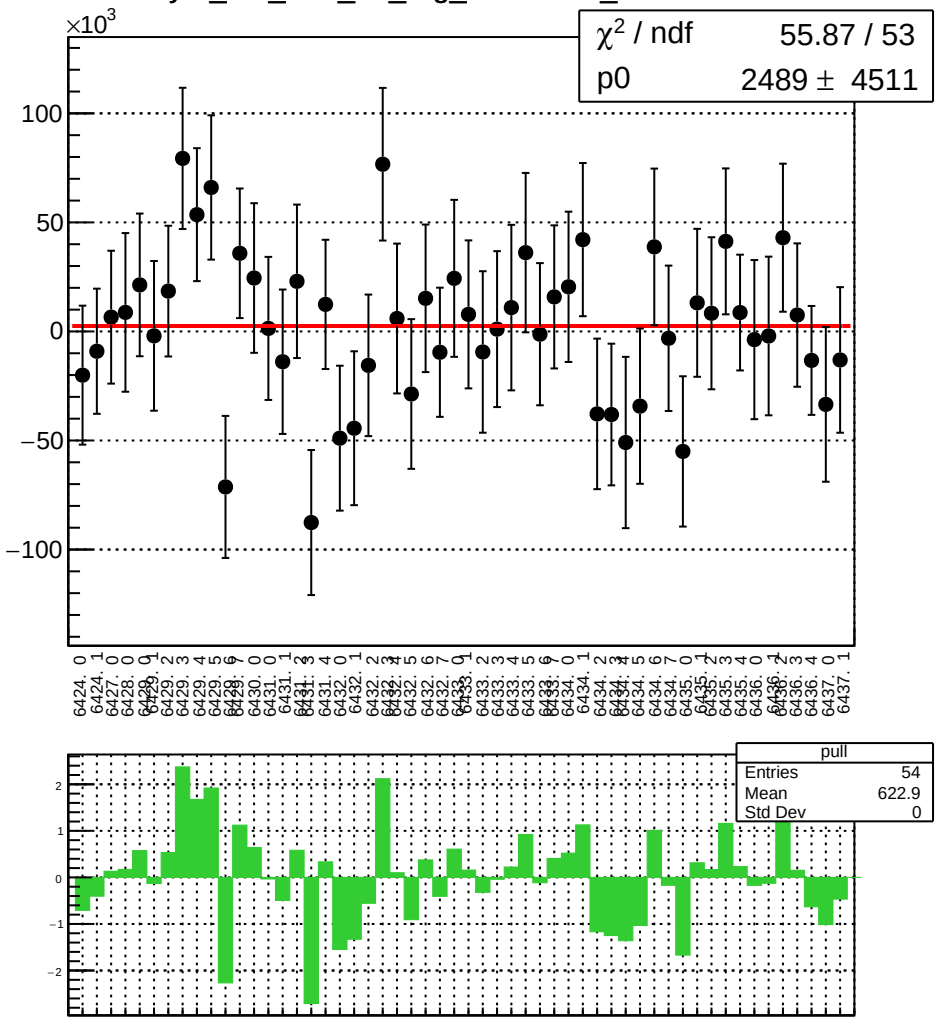

pull1D
Entries 54
Mean 0.0456
Std Dev 1.049

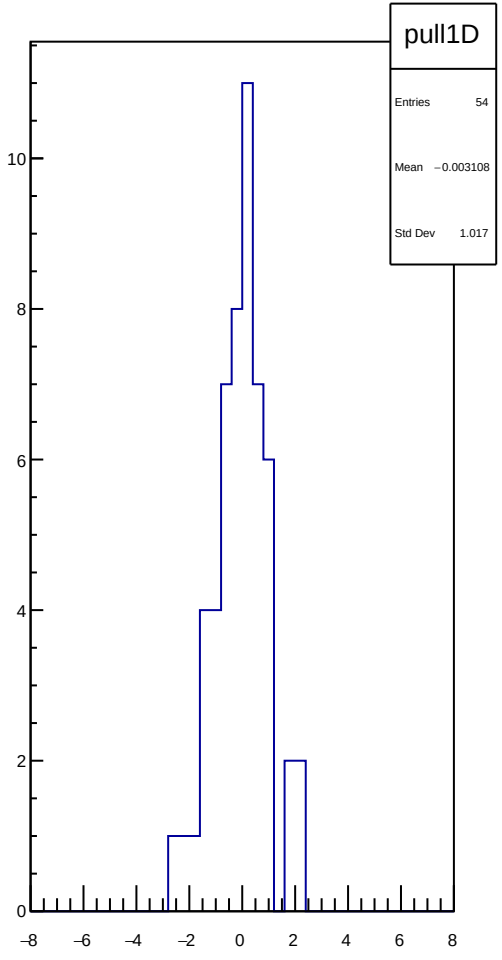

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.188e+05 / 53
p0 6.071e−11 ± 7.813e−14
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

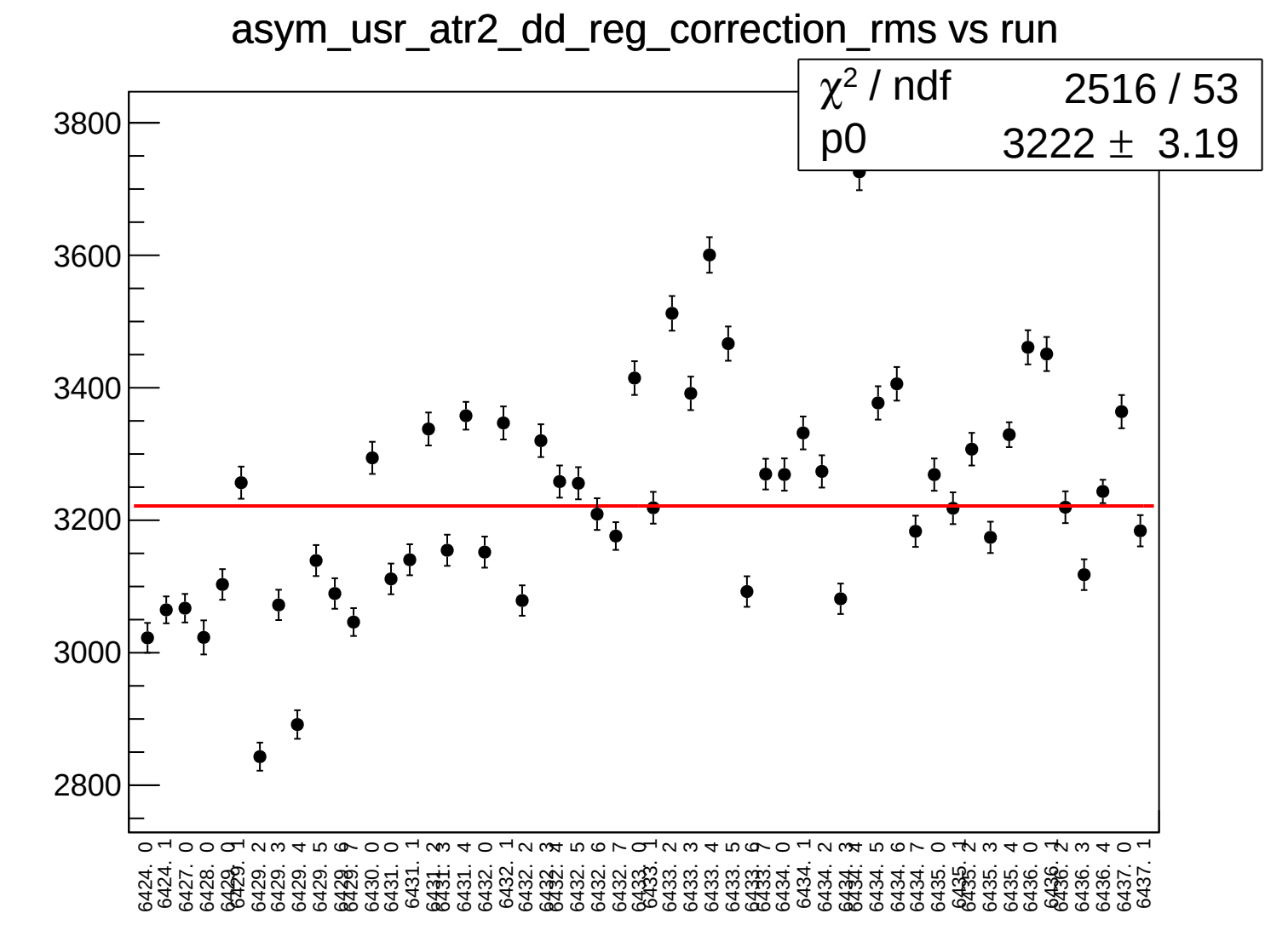

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.13 / 53
p0 −123.9 ± 1688
pull
Entries 54
Mean −1549
Std Dev 0

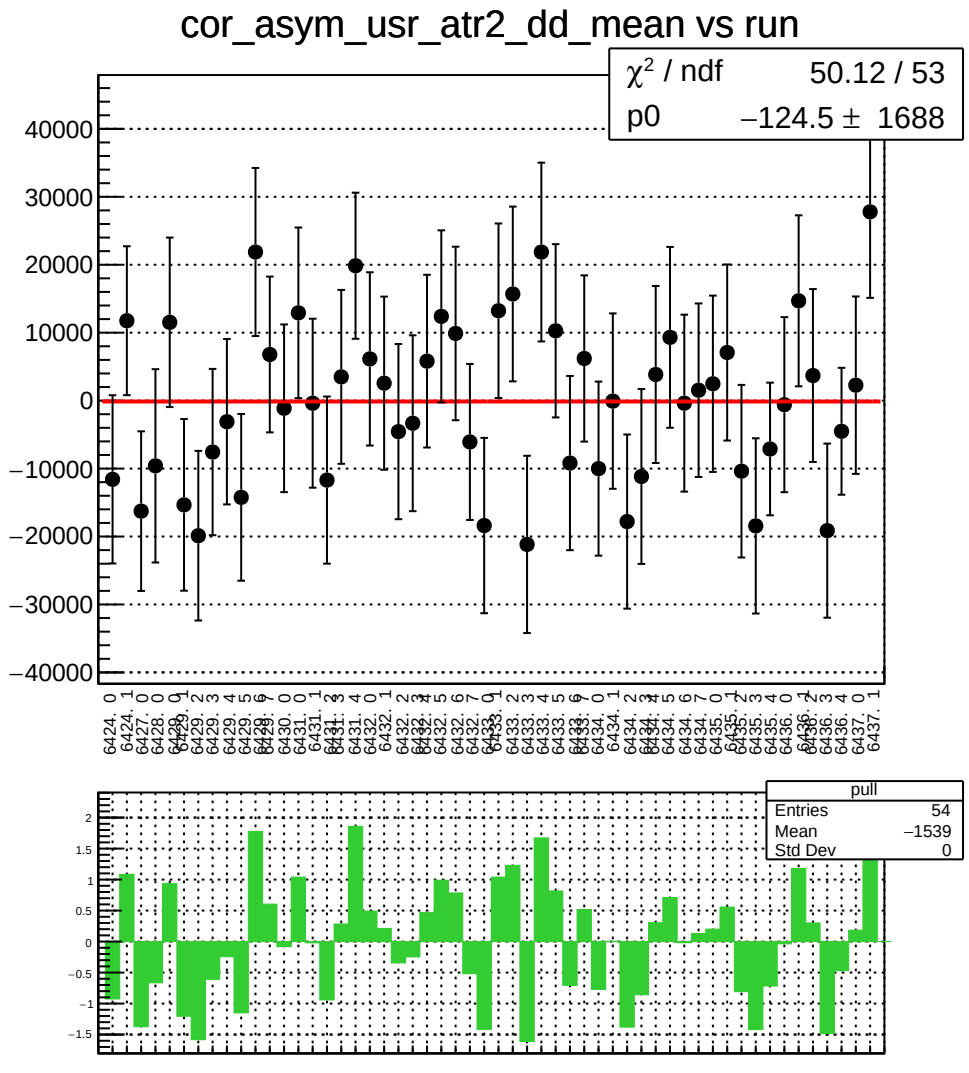

pull1D
Entries 54
Mean −0.0005894
Std Dev 0.9635

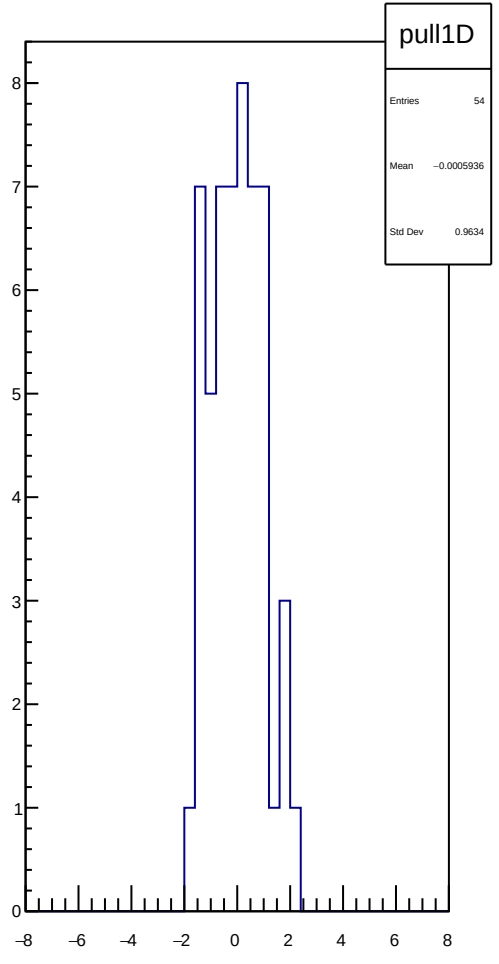

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1207 ± 1.194
1280
1260
1240
1220
1200
1180
1160
1140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

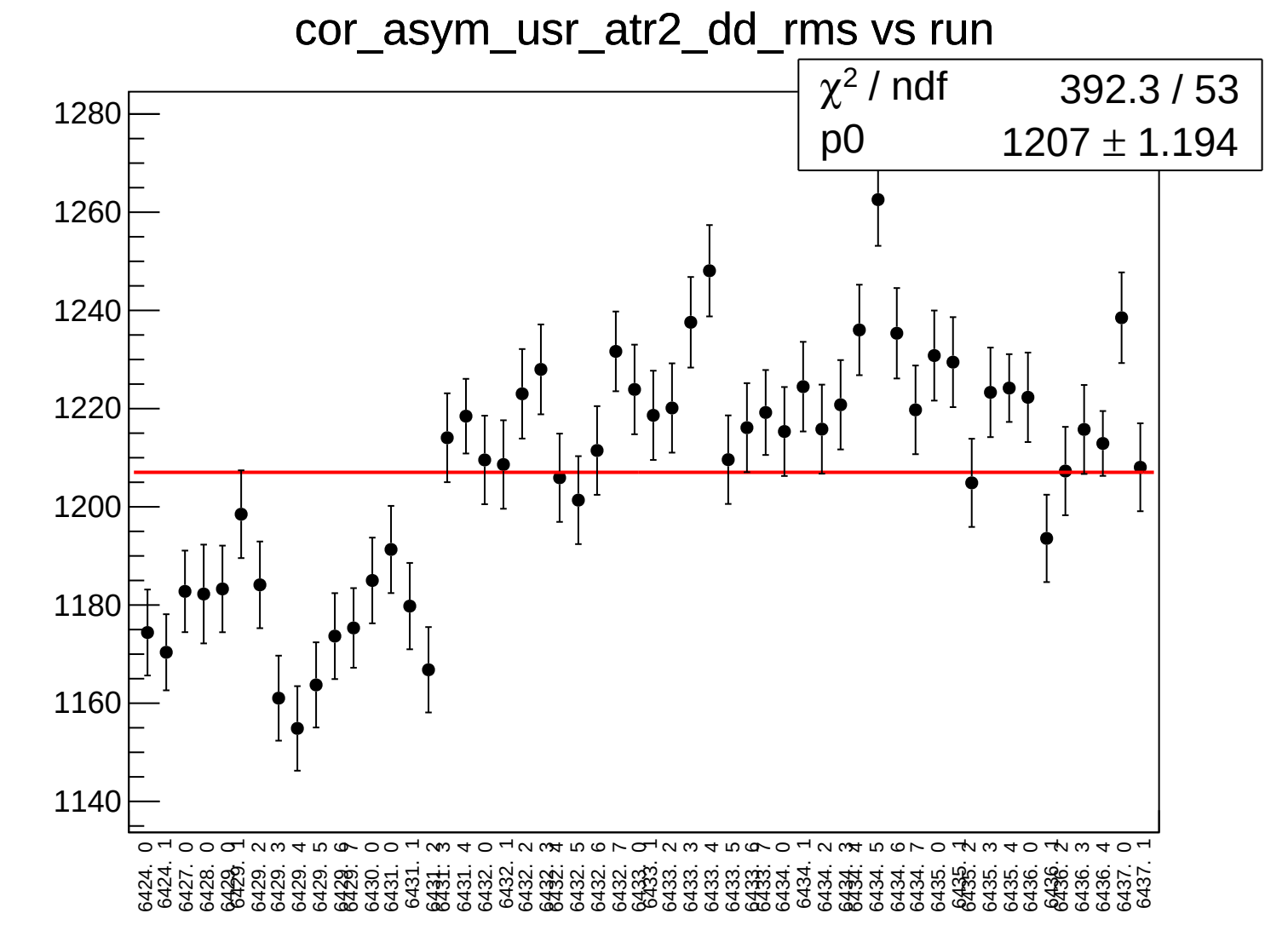

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 55.87 / 53
p0 2489 ± 4511
100
50
0
−50
−100
pull
Entries 54
Mean 622.9
Std Dev 0
2
1
0
−1
−2

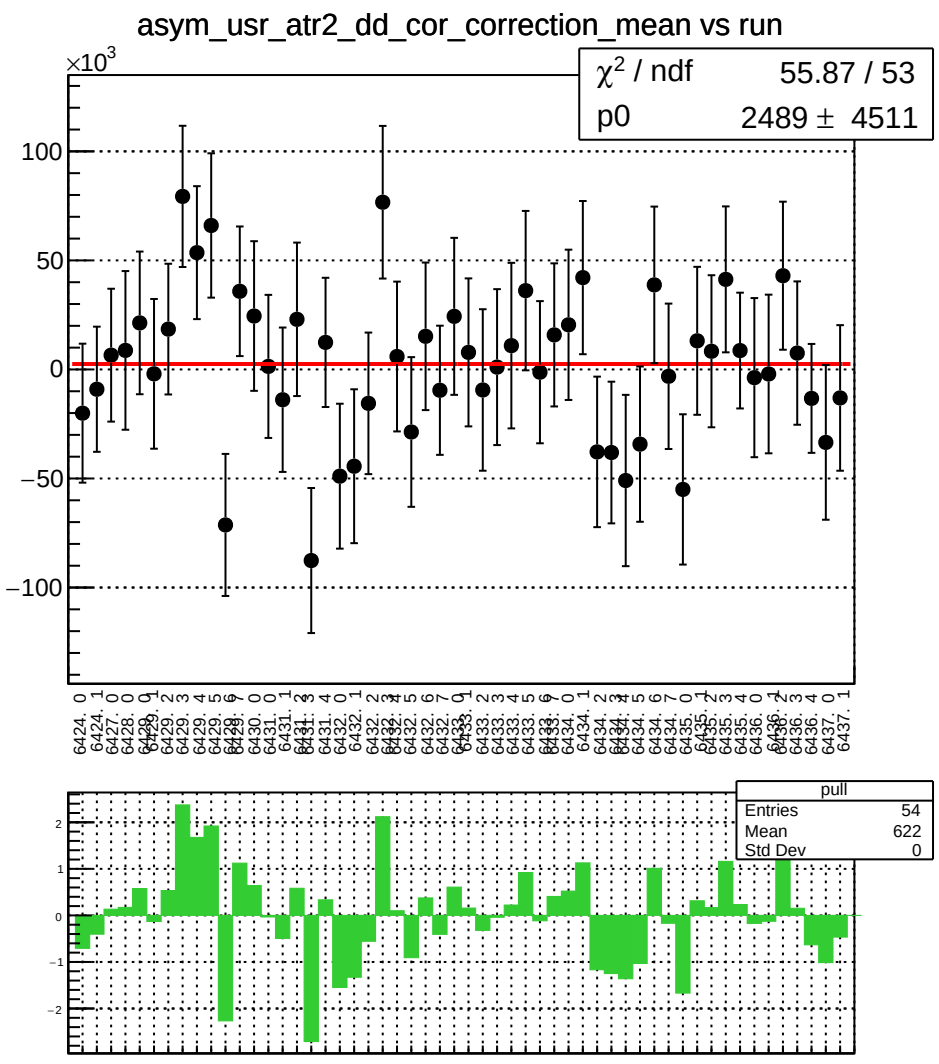

pull1D
Entries 54
Mean −0.003108
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

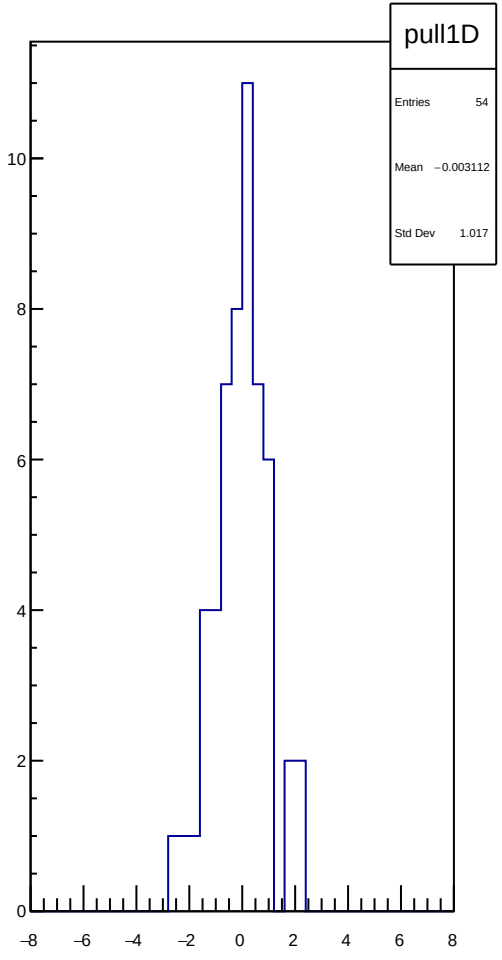

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 2516 / 53
p0 3222 ± 3.19
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

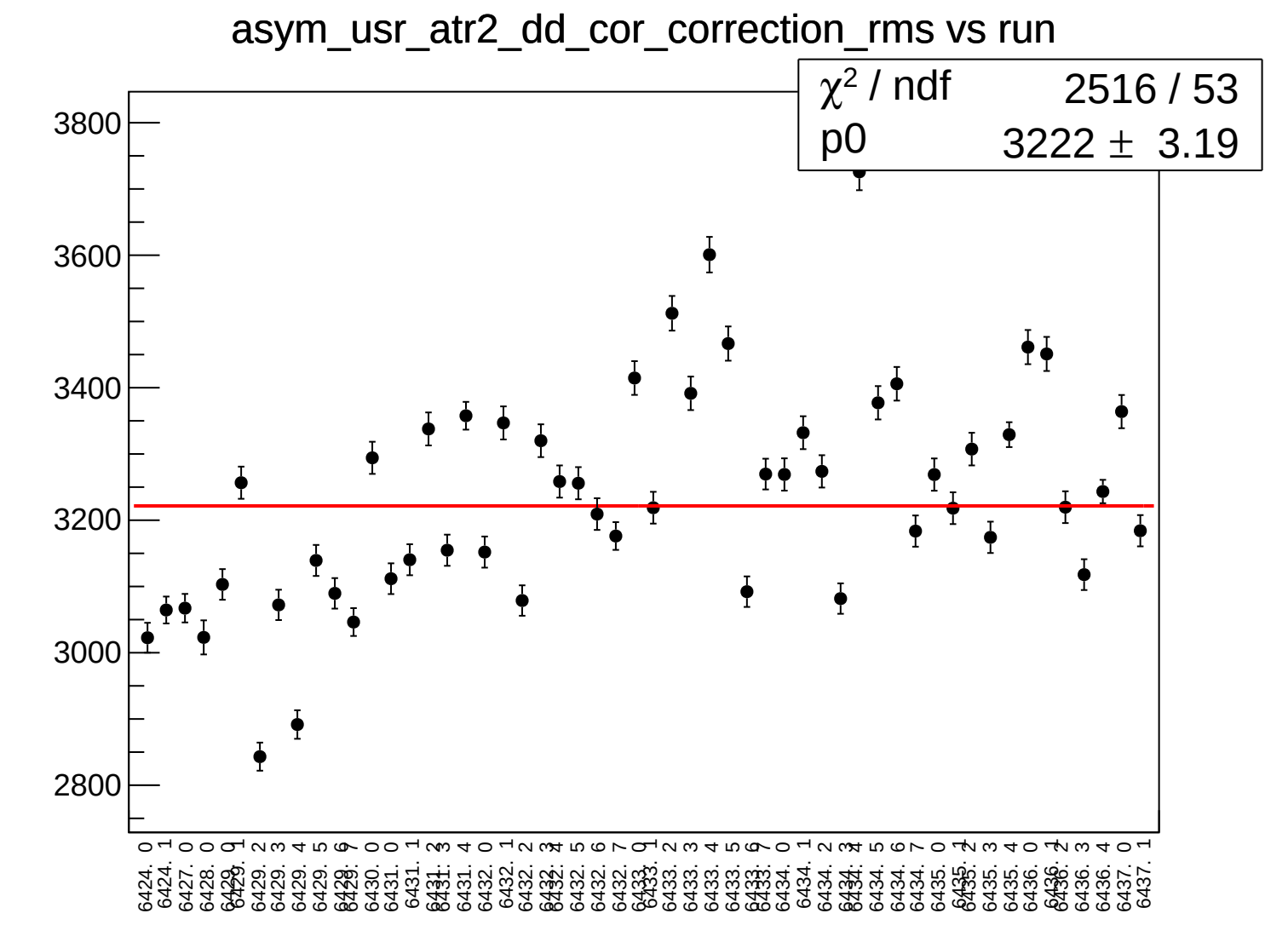

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.12 / 53
p0 −124.5 ± 1688
pull
Entries 54
Mean −1539
Std Dev 0

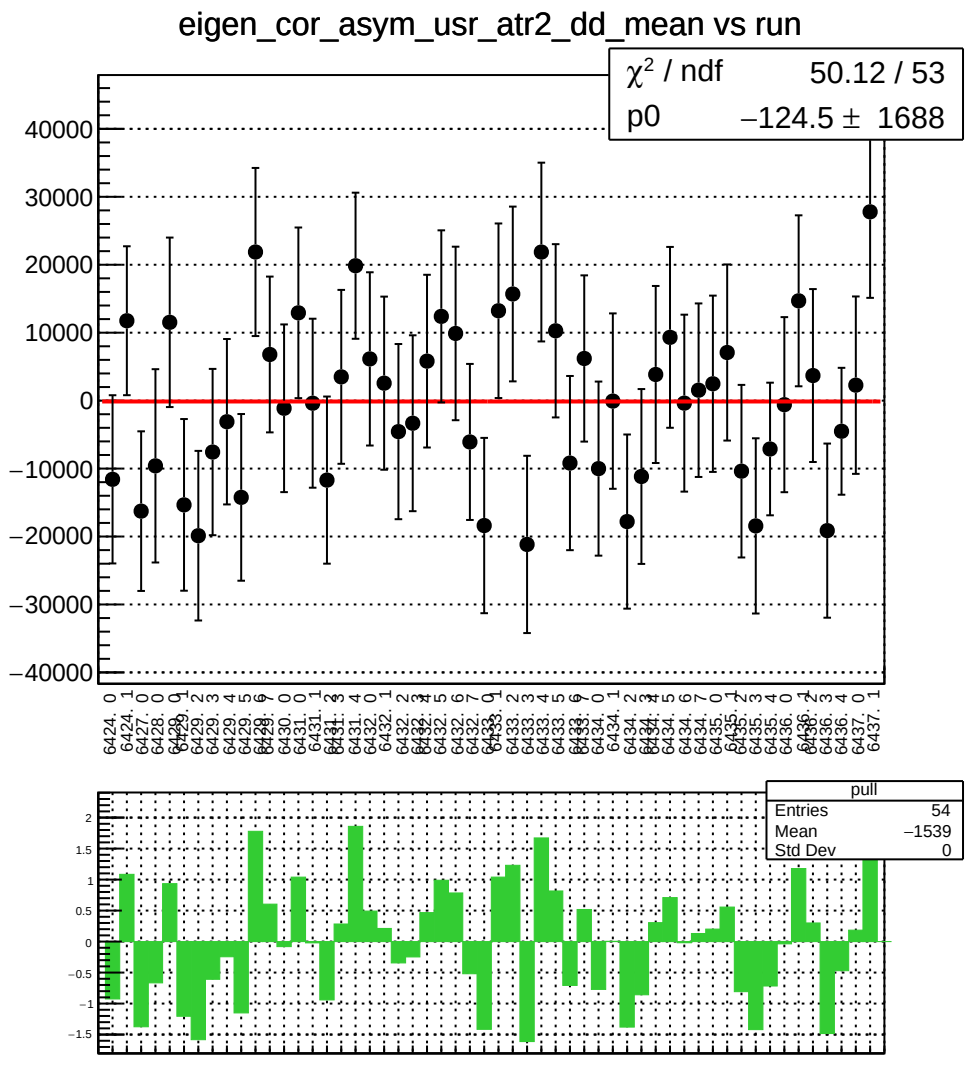

pull1D
Entries 54
Mean −0.0005936
Std Dev 0.9634

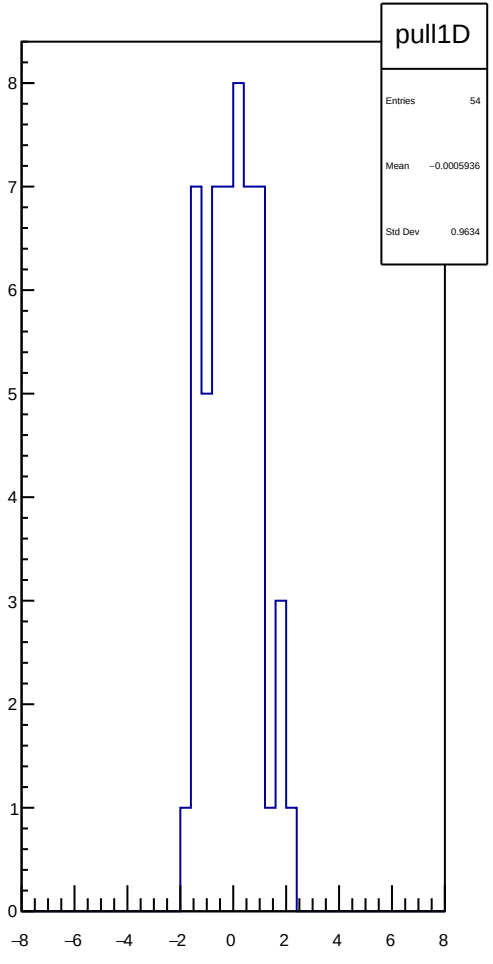

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1207 ± 1.194
1280
1260
1240
1220
1200
1180
1160
1140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

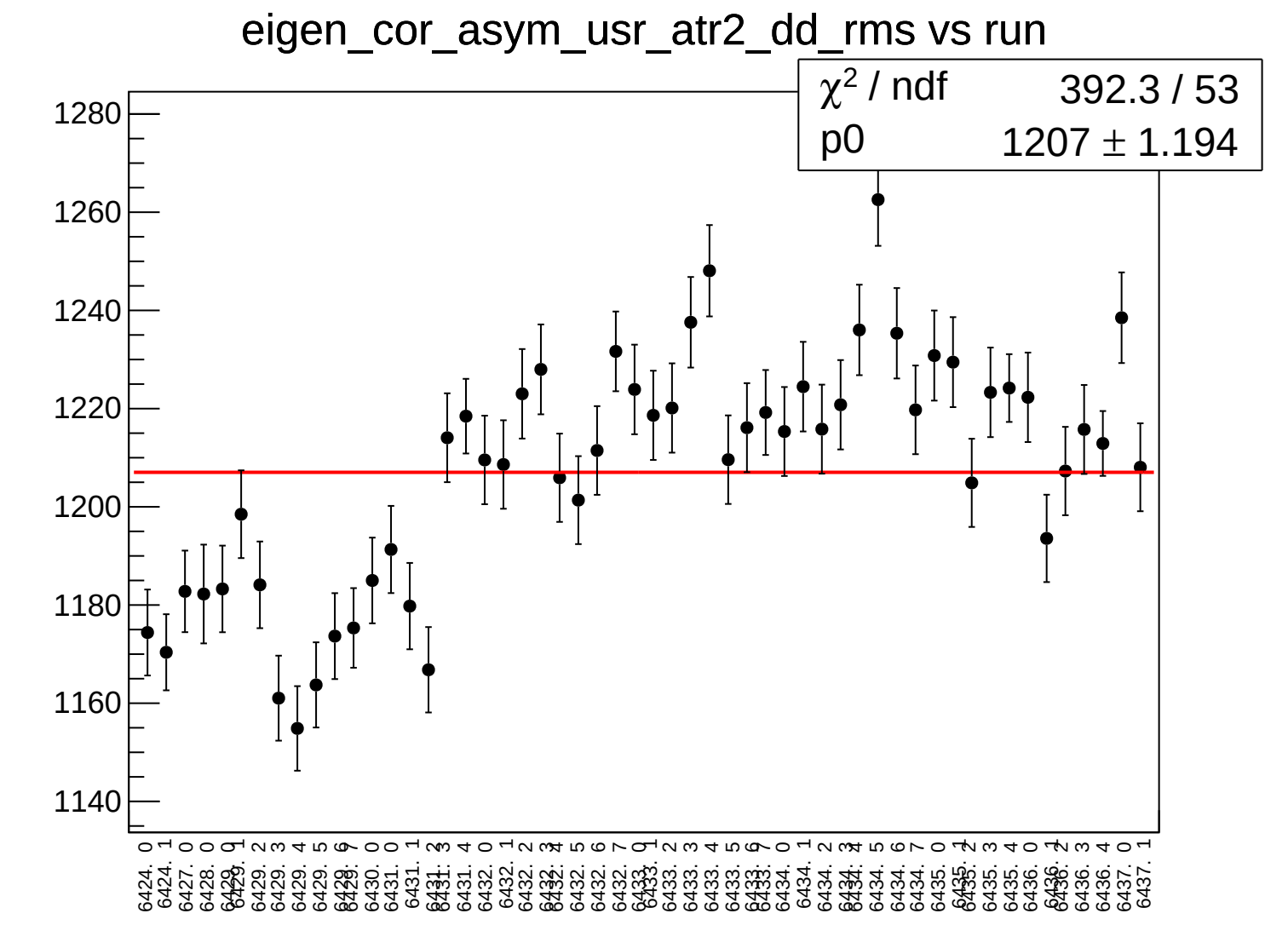

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 55.87 / 53
p0 2489 ± 4511
100
50
0
−50
−100
pull
Entries 54
Mean 622
Std Dev 0
2
1
0
−1
−2

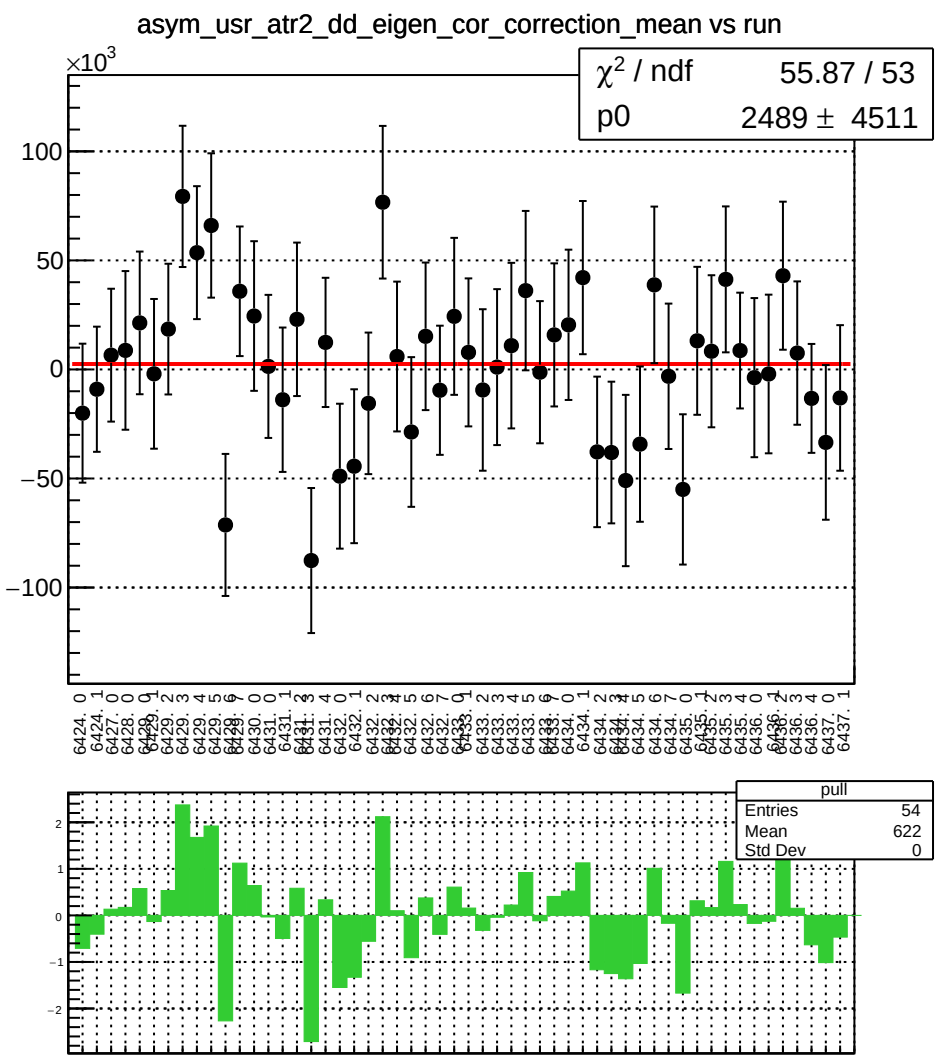

pull1D
Entries 54
Mean −0.003112
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

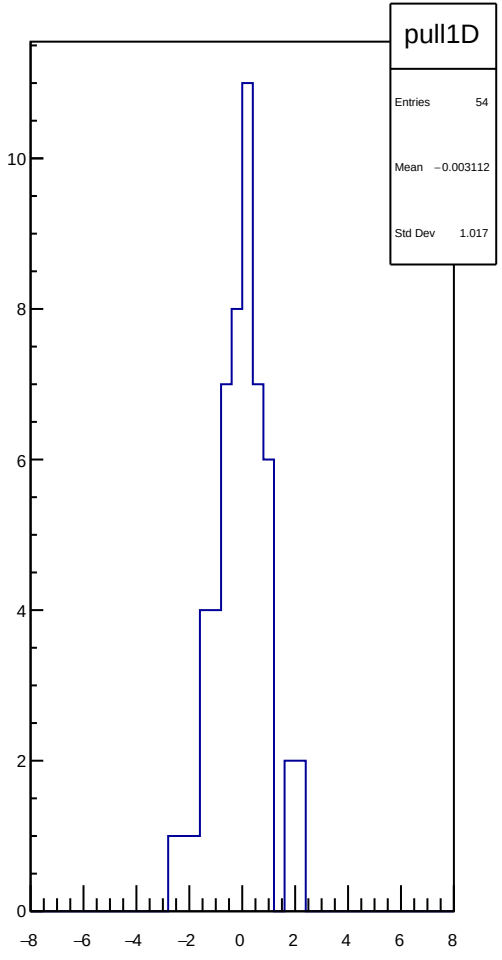

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 2516 / 53
p0 3222 ± 3.19
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

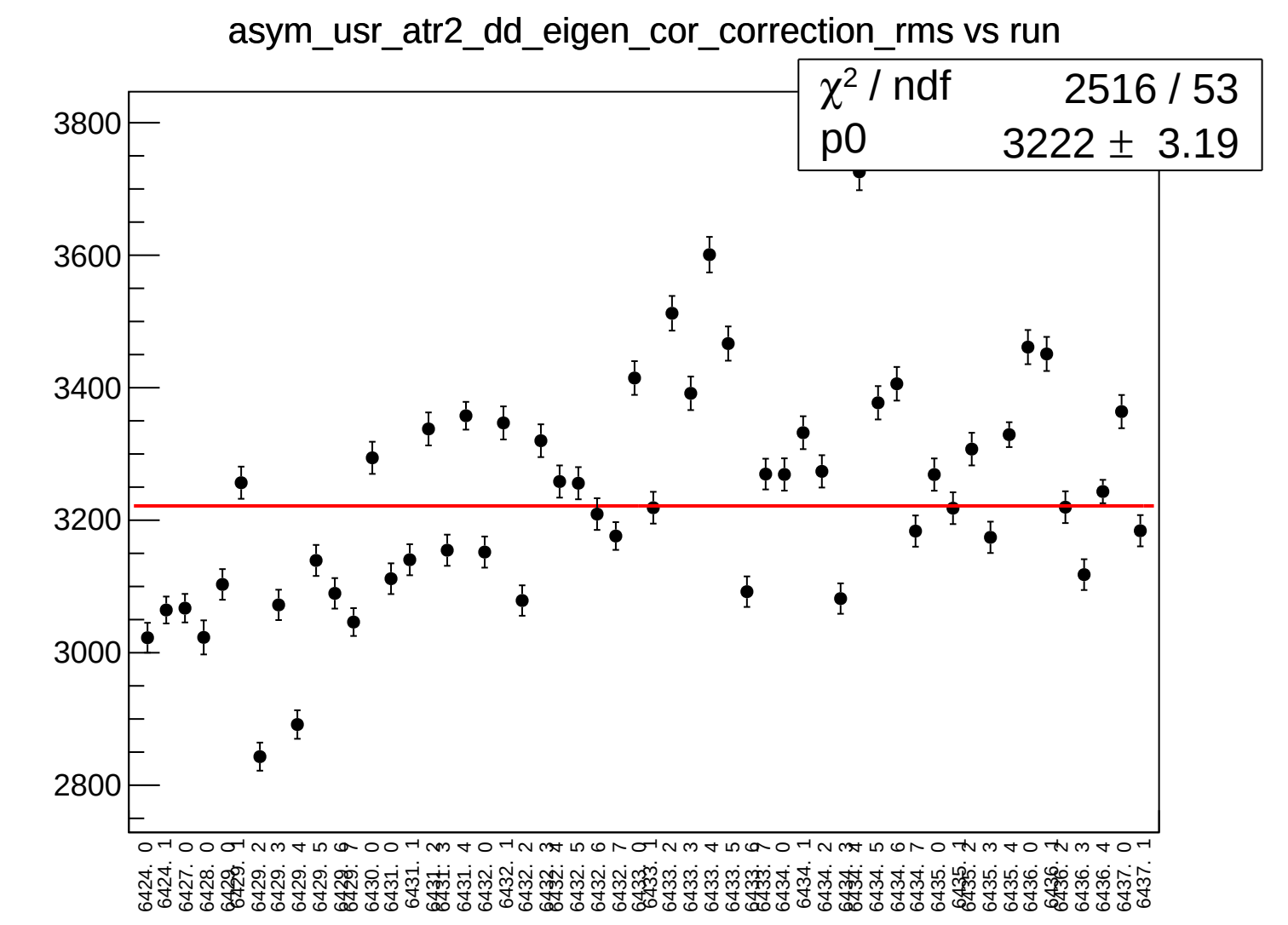

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.12 / 53
p0 −124.5 ± 1688
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −1539
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

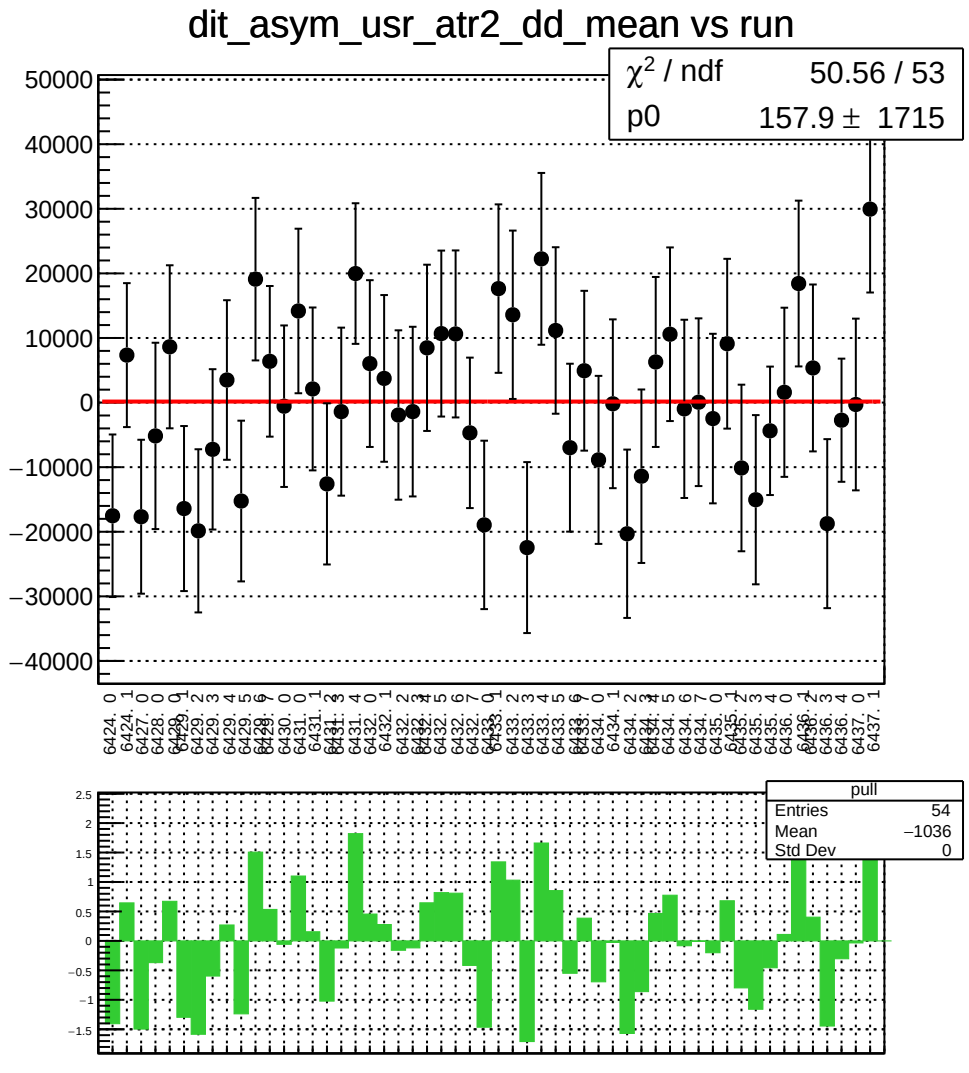

pull1D
Entries 54
Mean −0.0005936
Std Dev 0.9634
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

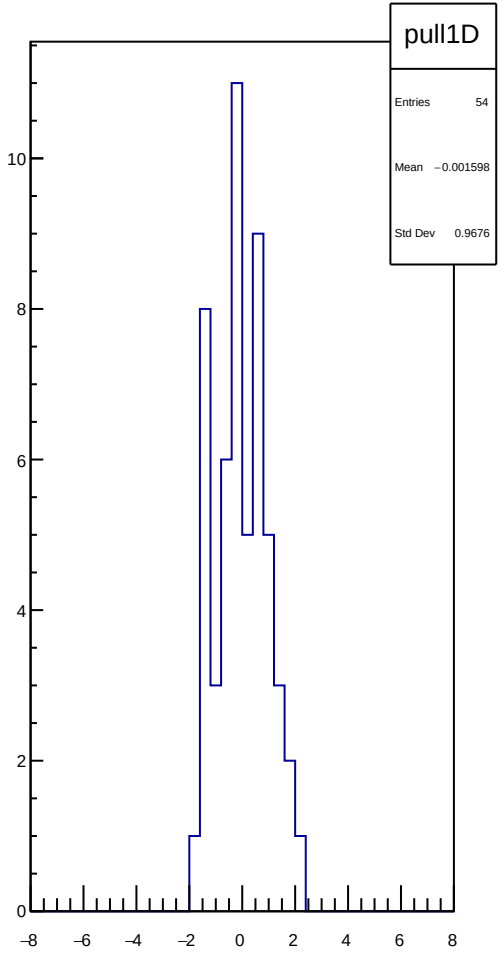

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1207 ± 1.194
1280
1260
1240
1220
1200
1180
1160
1140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

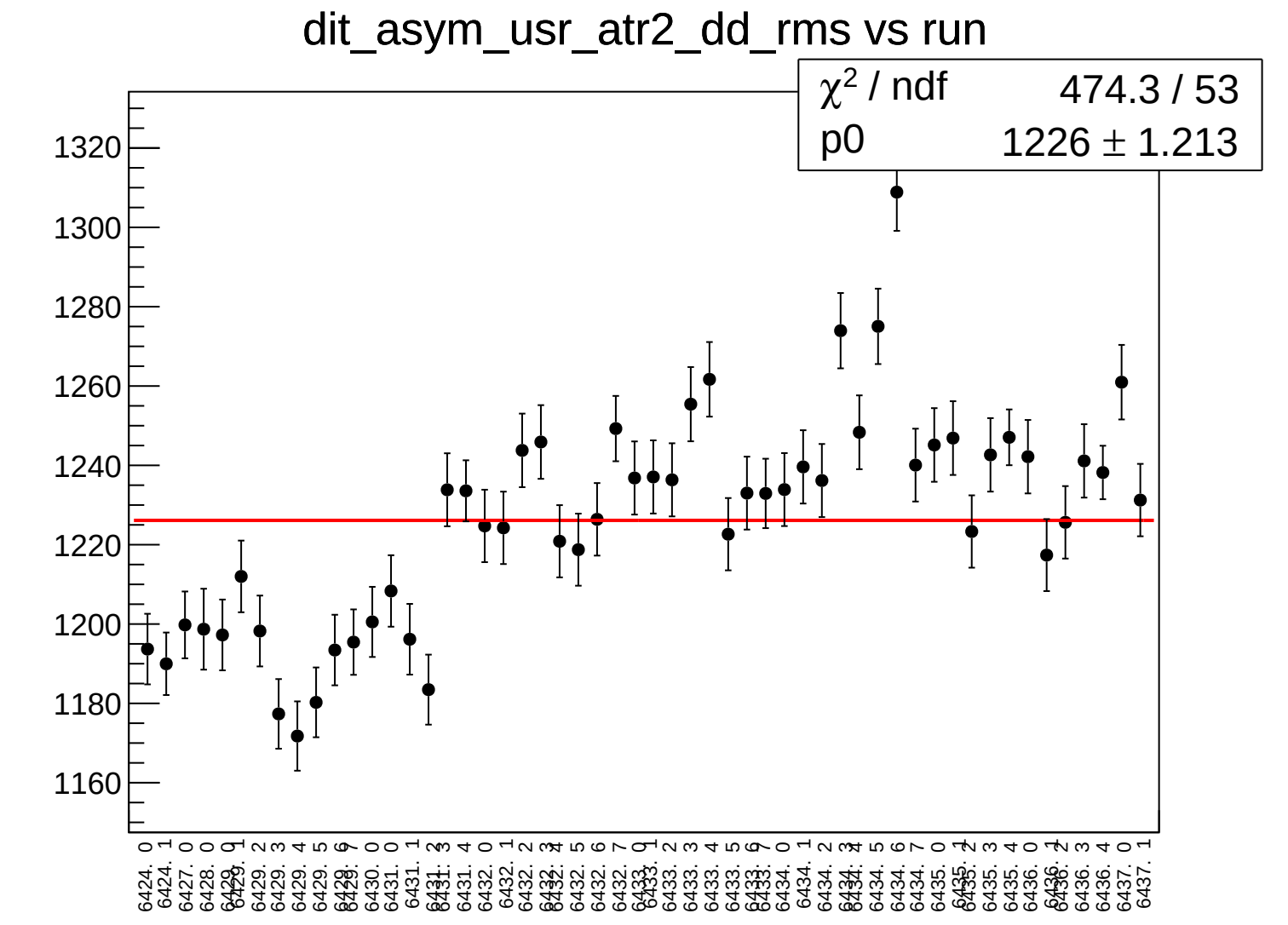

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 55.87 / 53
p0 2489 ± 4511
100
50
0
−50
−100
pull
Entries 54
Mean 622
Std Dev 0
2
1
0
−1
−2

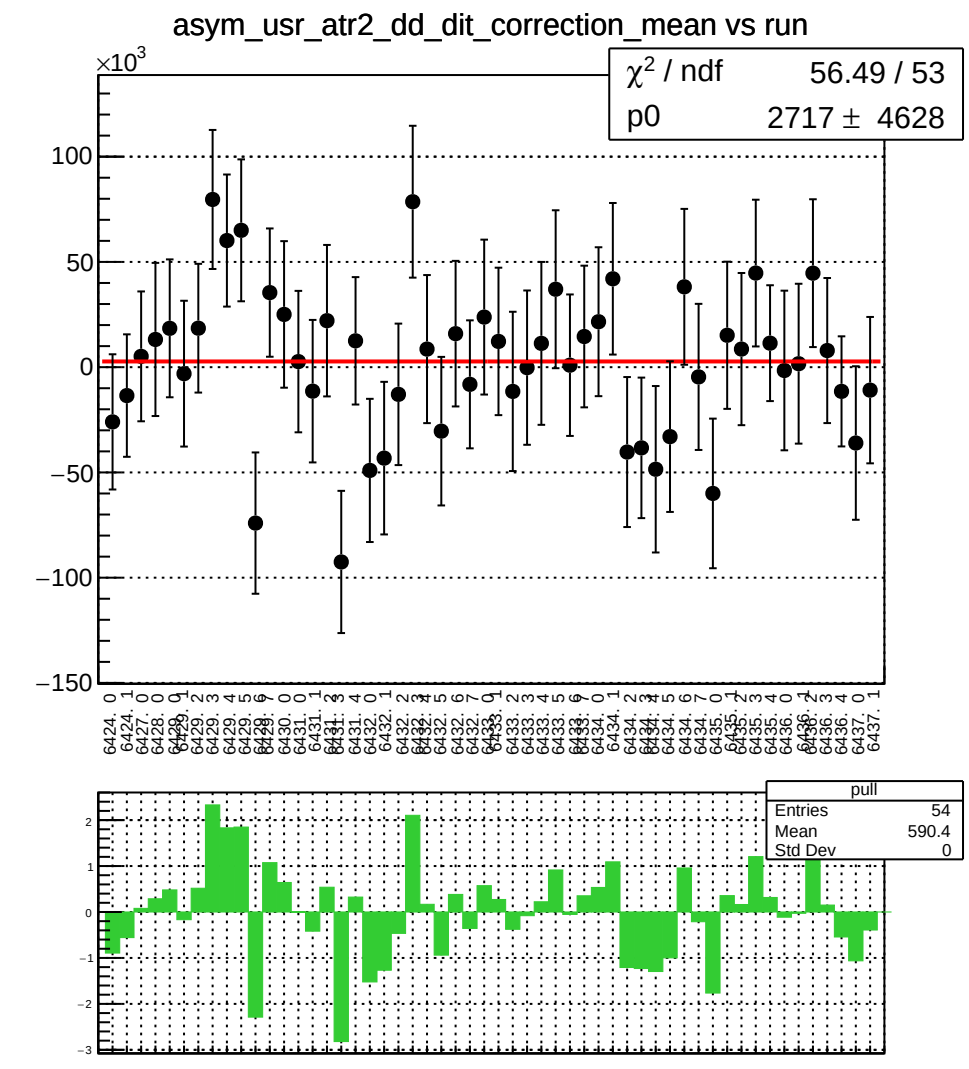

pull1D
Entries 54
Mean −0.003112
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

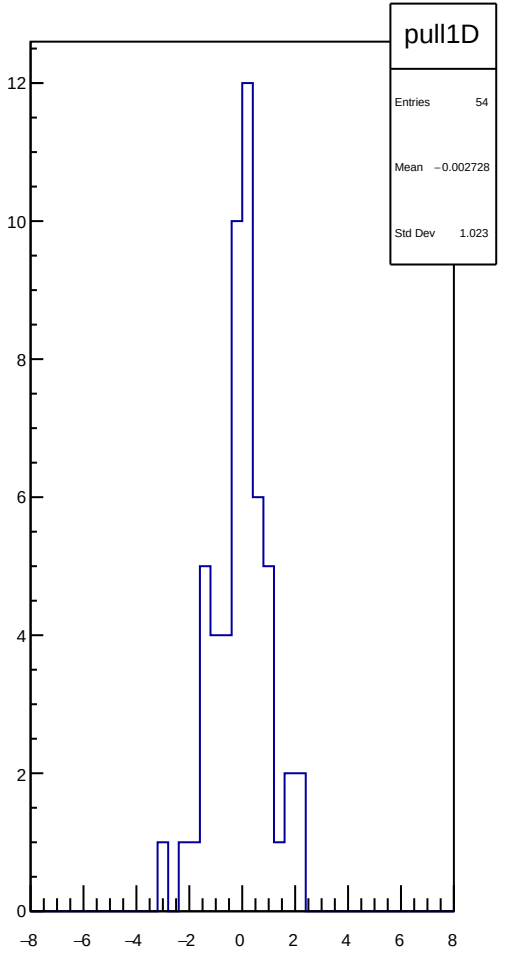

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2516 / 53
p0 3222 ± 3.19
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

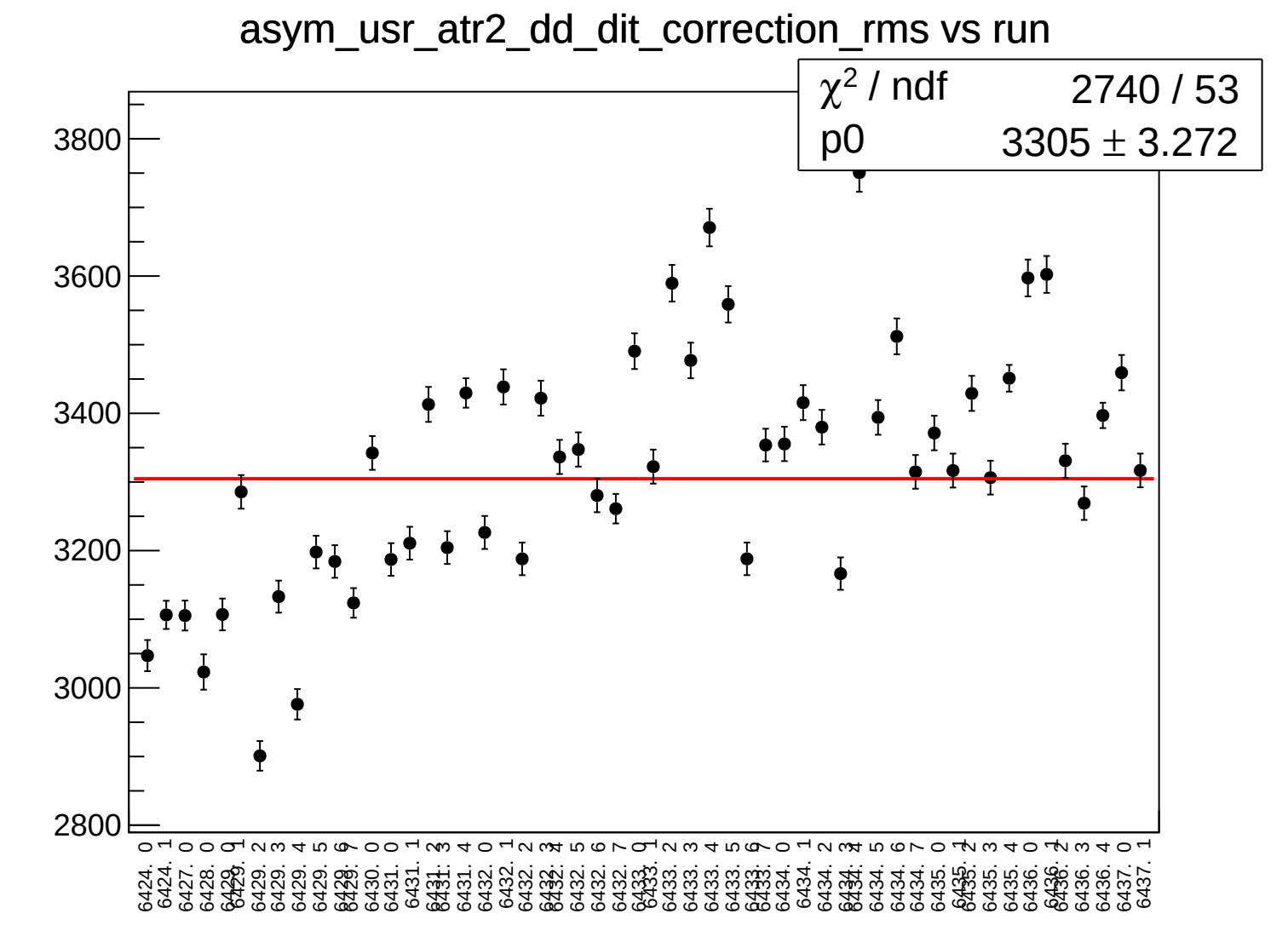

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.56 / 53
p0 157.9 ± 1715
pull
Entries 54
Mean −1036
Std Dev 0

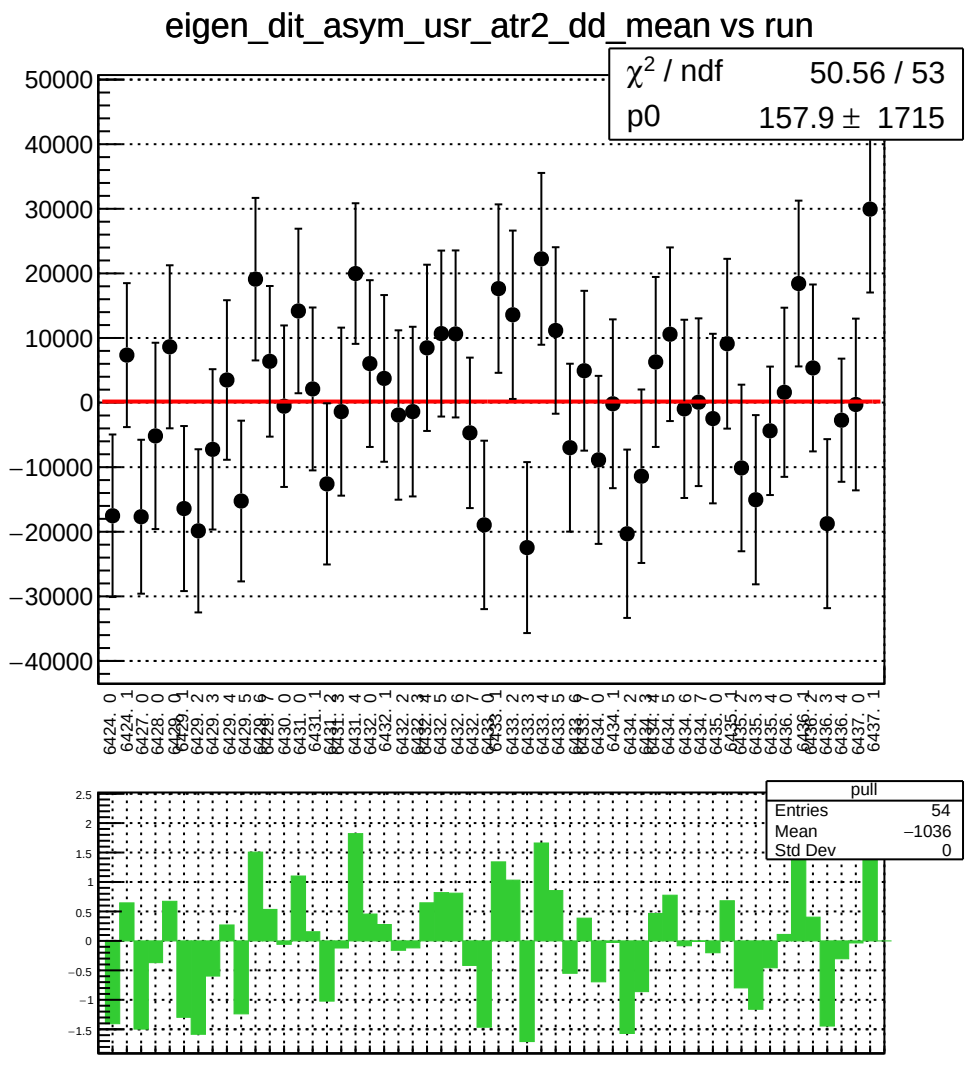

pull1D
Entries 54
Mean −0.001598
Std Dev 0.9676

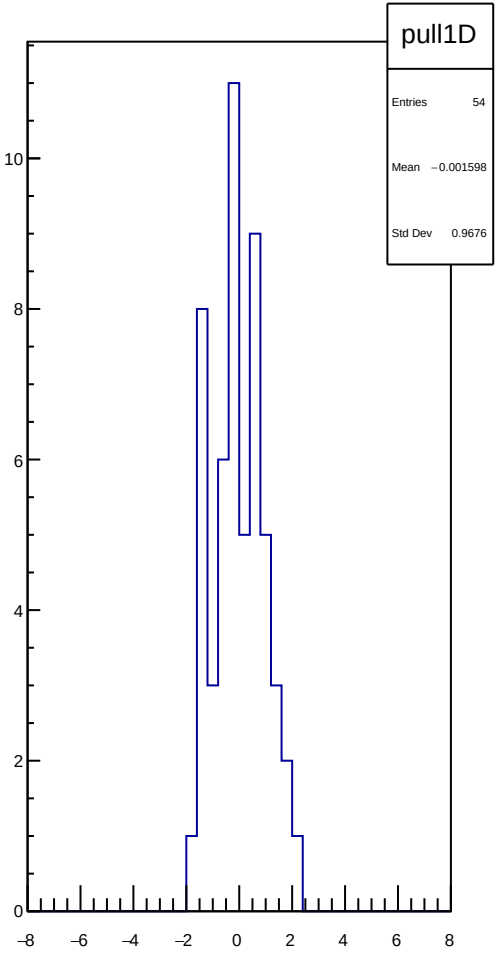

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 474.3 / 53
p0 1226 ± 1.213
1320
1300
1280
1260
1240
1220
1200
1180
1160
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

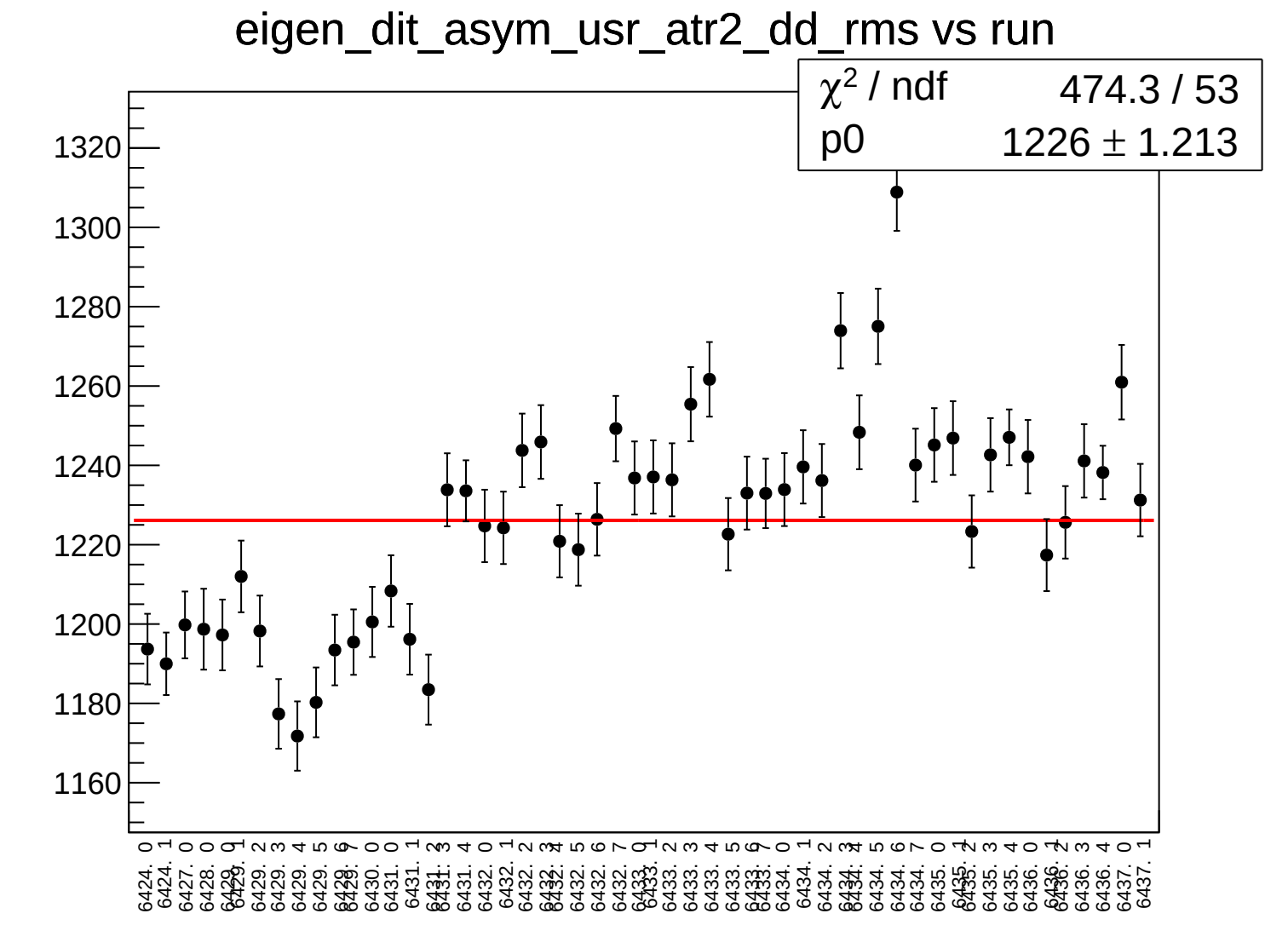

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 56.49 / 53
p0 2717 ± 4628
100
50
0
−50
−100
−150
pull
Entries 54
Mean 590.4
Std Dev 0
2
1
0
−1
−2
−3

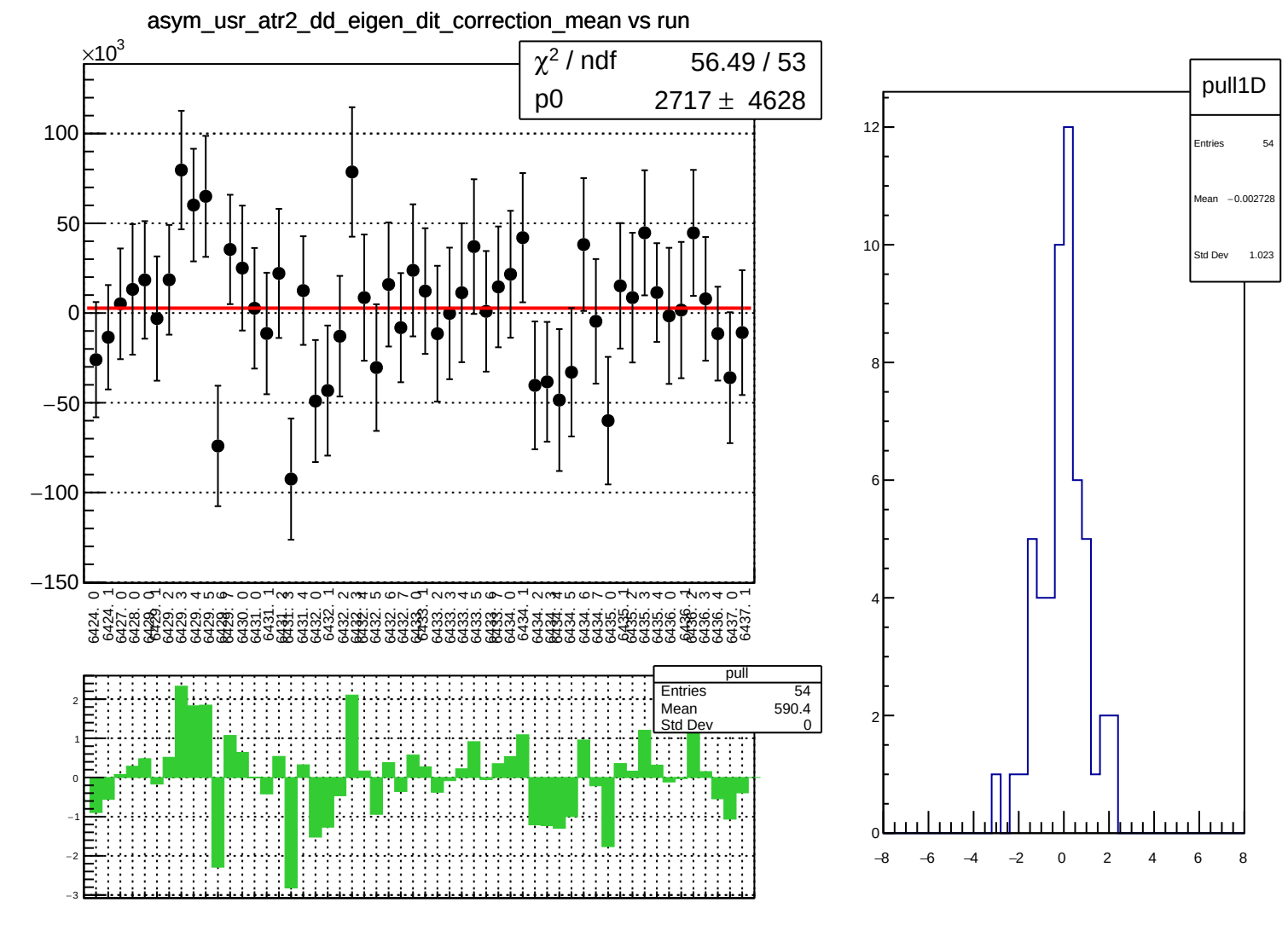

pull1D
Entries 54
Mean −0.002728
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

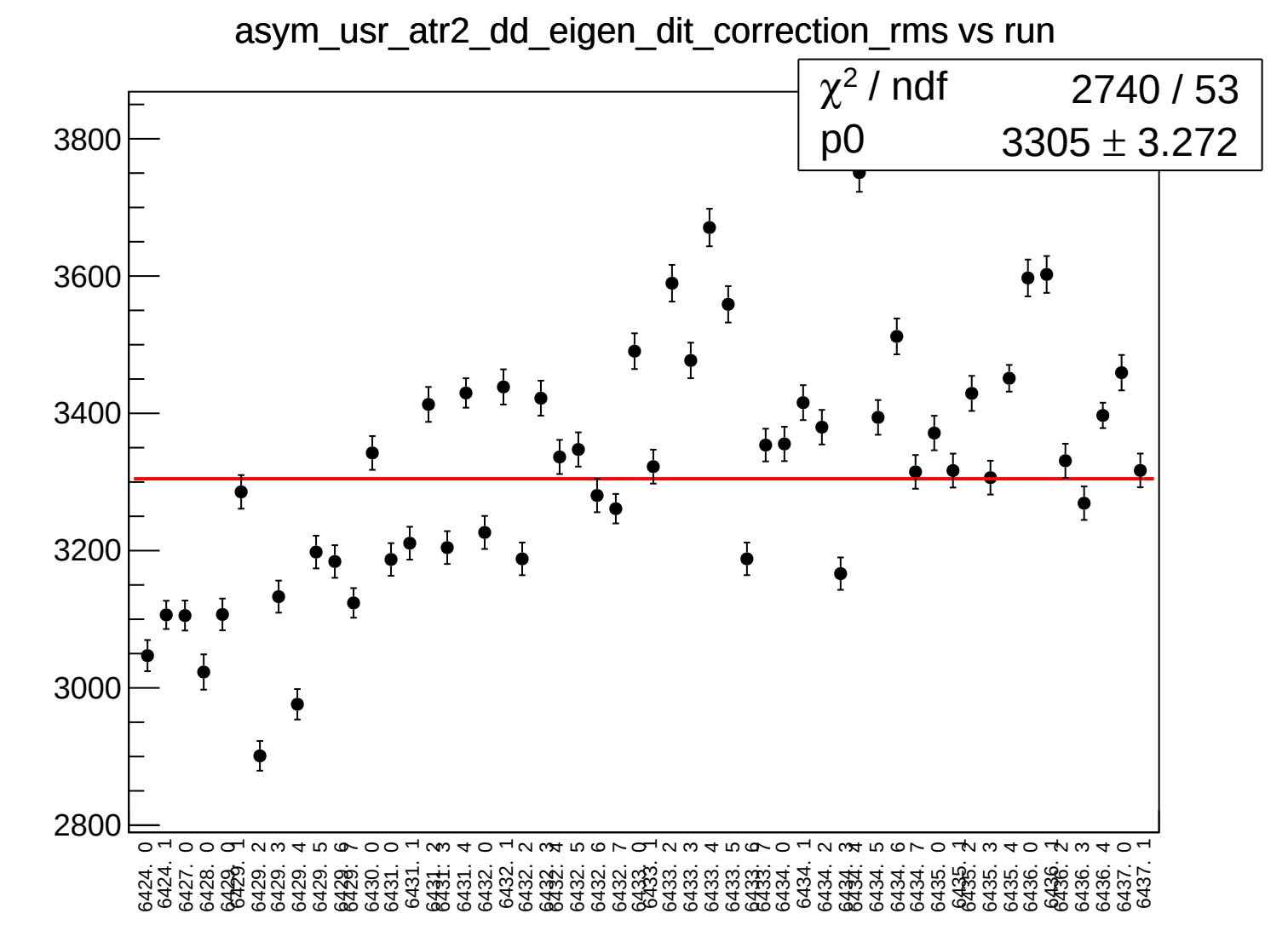

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 2740 / 53
p0 3305 ± 3.272
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

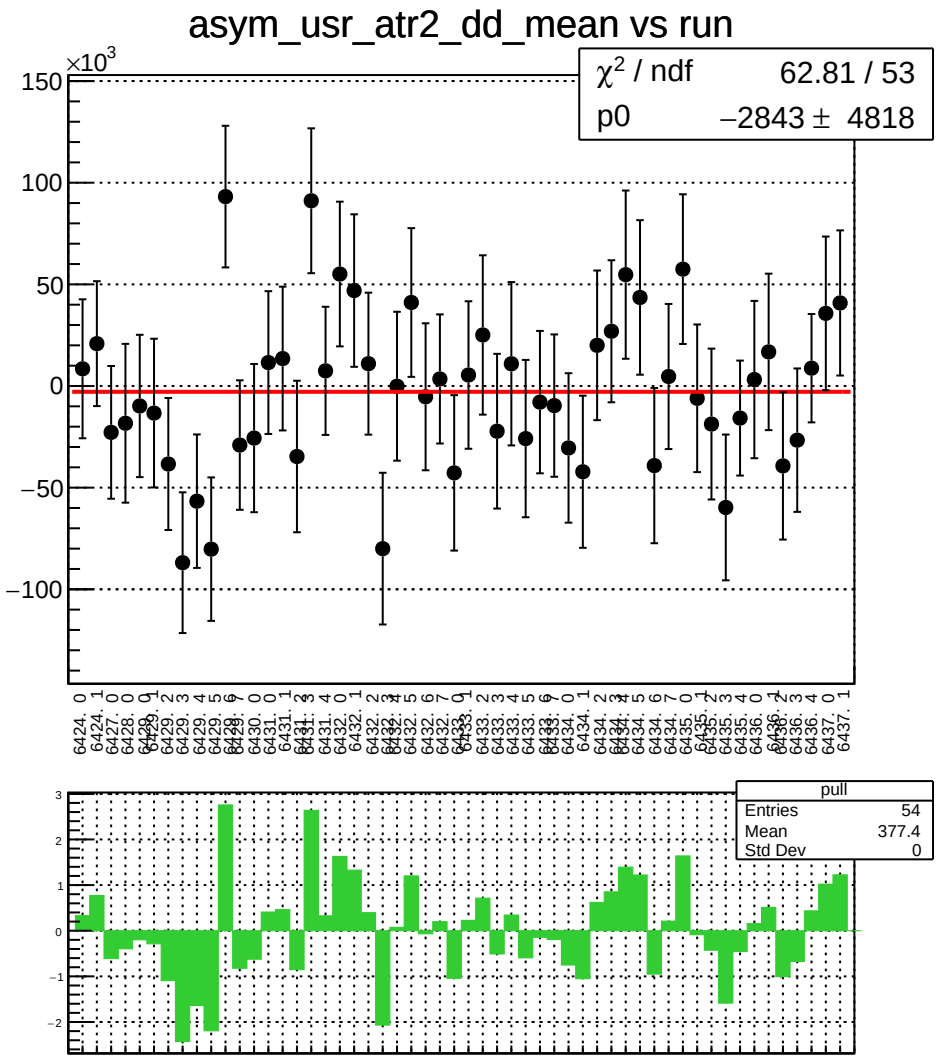

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 50.56 / 53
p0 157.9 ± 1715
pull
Entries 54
Mean −1036
Std Dev 0

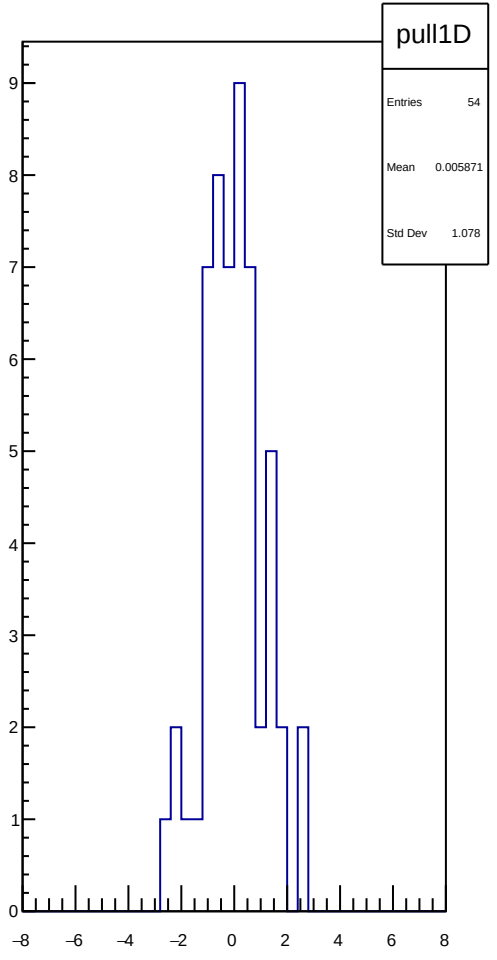

pull1D
Entries 54
Mean −0.001598
Std Dev 0.9676

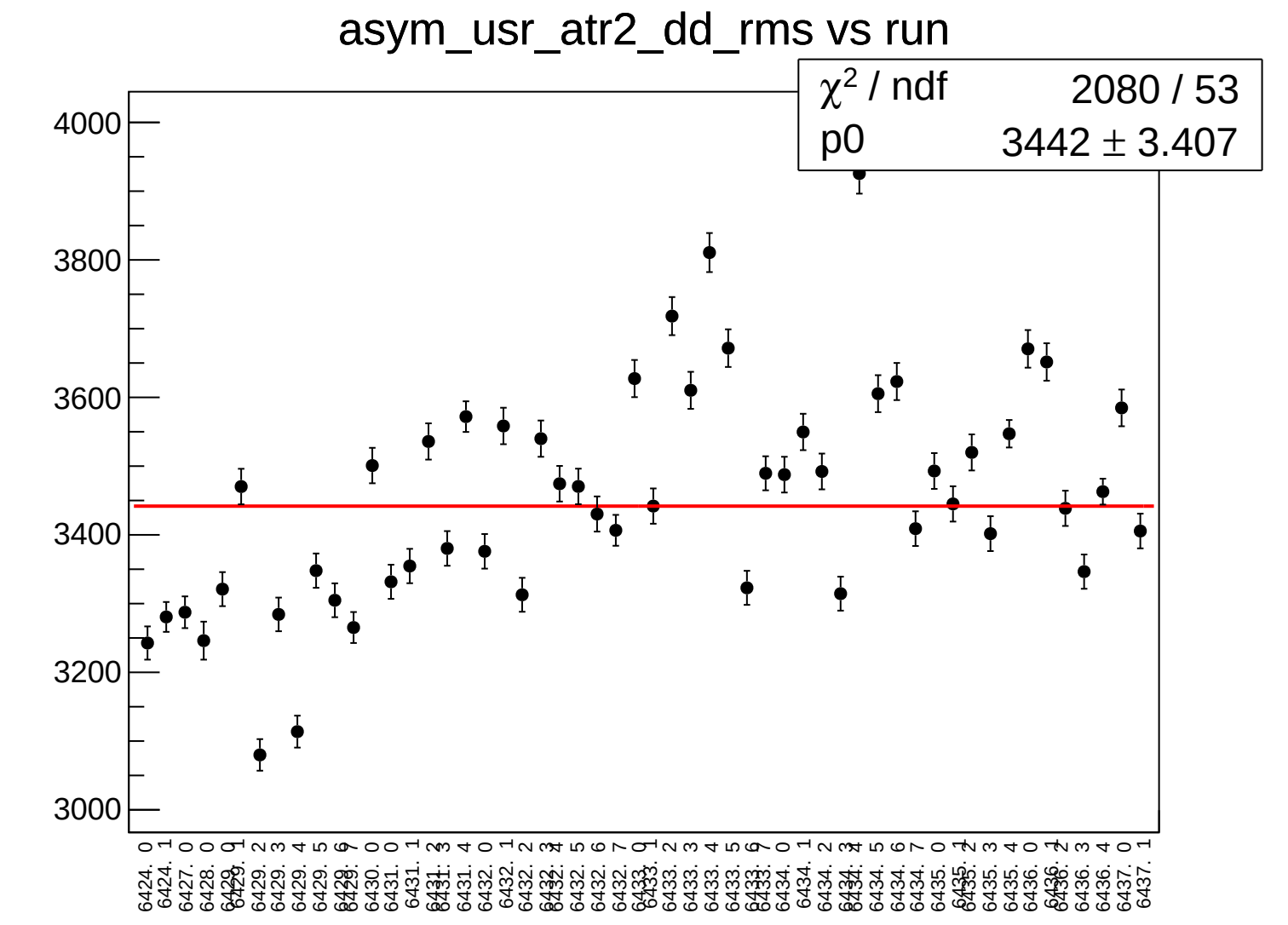

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 474.3 / 53
p0 1226 ± 1.213
1320
1300
1280
1260
1240
1220
1200
1180
1160
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

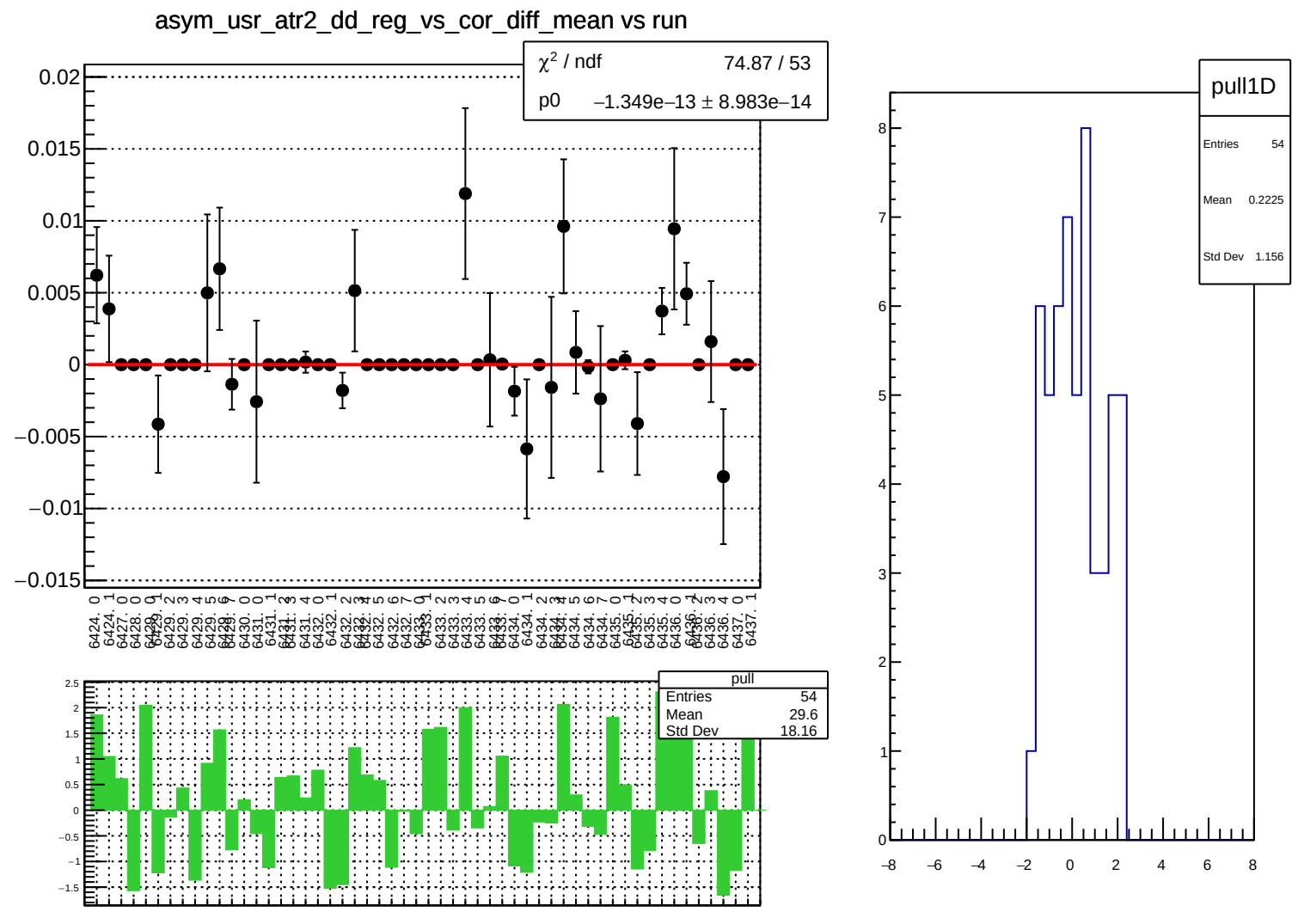

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.49 / 53
p0 2717 ± 4628
100
50
0
−50
−100
−150
pull
Entries 54
Mean 590.4
Std Dev 0
pull1D
Entries 54
Mean −0.002728
Std Dev 1.023

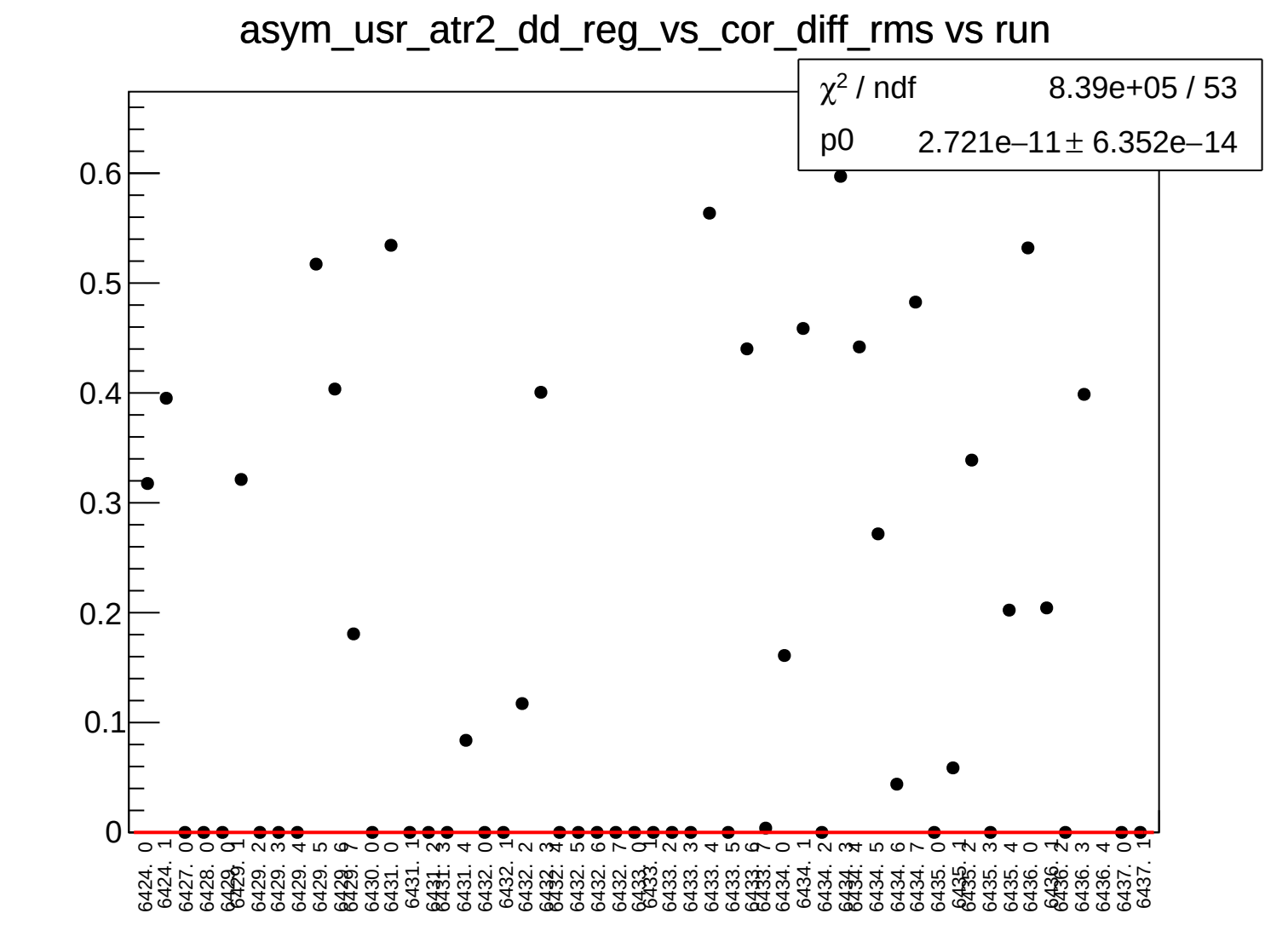

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2740 / 53
p0 3305 ± 3.272
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

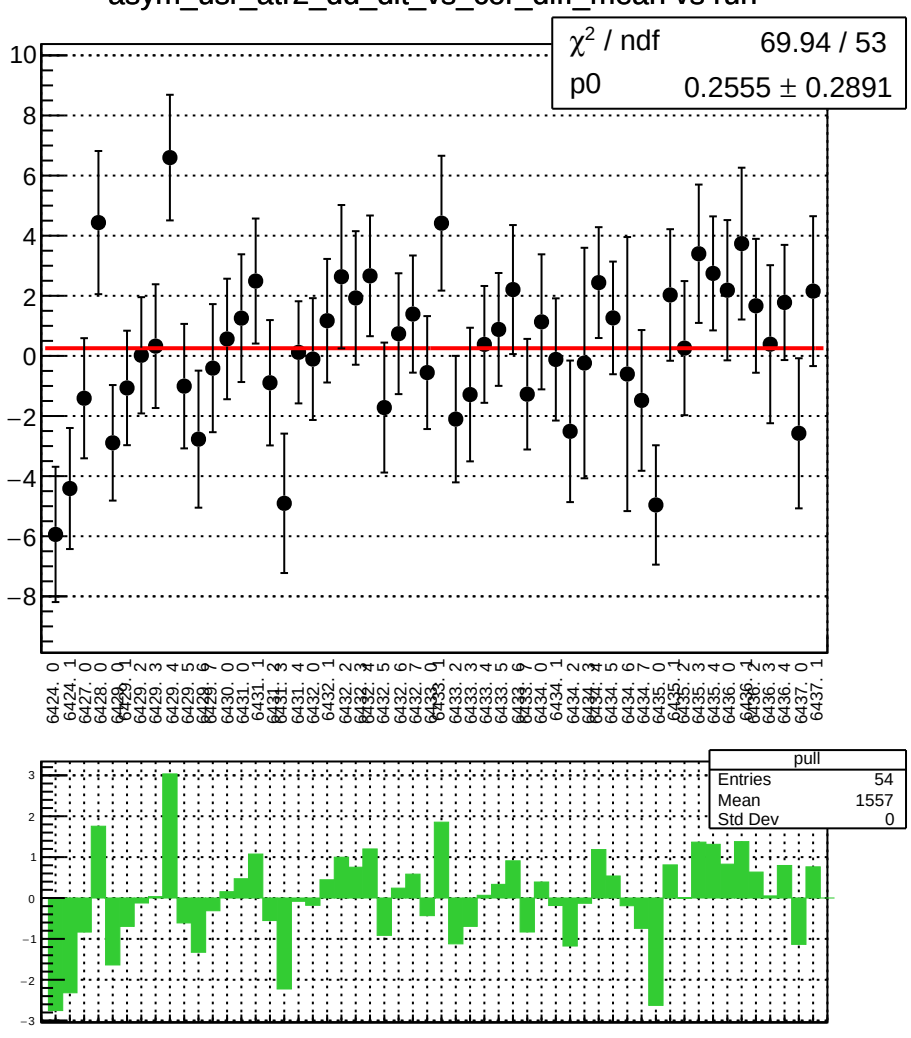

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 62.81 / 53
p0 −2843 ± 4818
150
100
50
0
−50
−100
pull
Entries 54
Mean 377.4
Std Dev 0
3
2
1
0
−1
−2

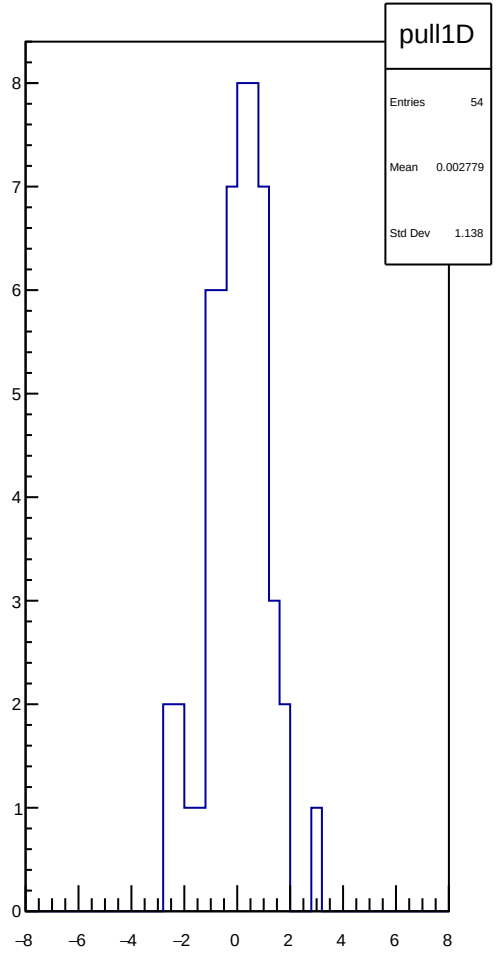

pull1D
Entries 54
Mean 0.005871
Std Dev 1.078
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

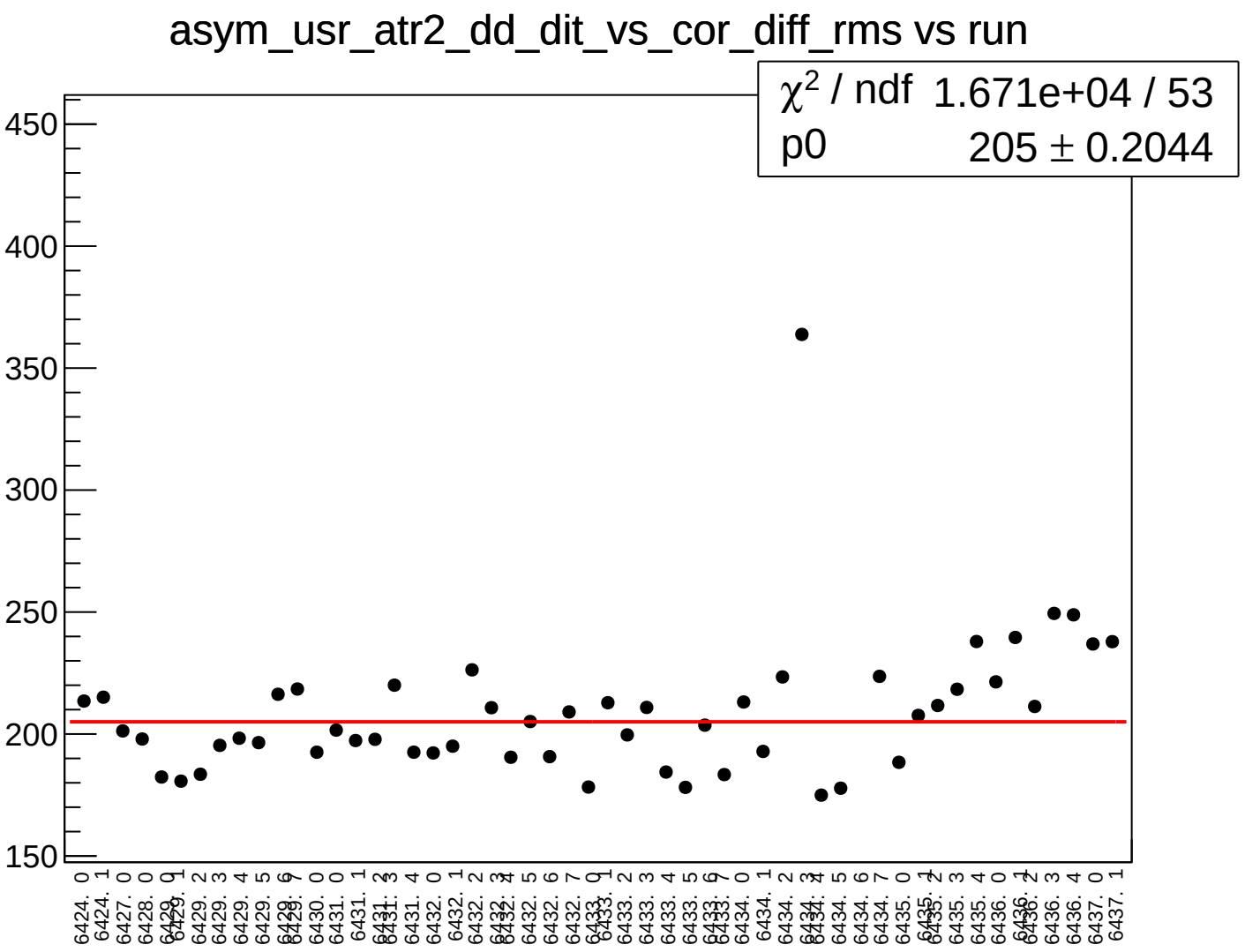

asym_usr_atr2_dd_rms vs run
χ² / ndf 2080 / 53
p0 3442 ± 3.407
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

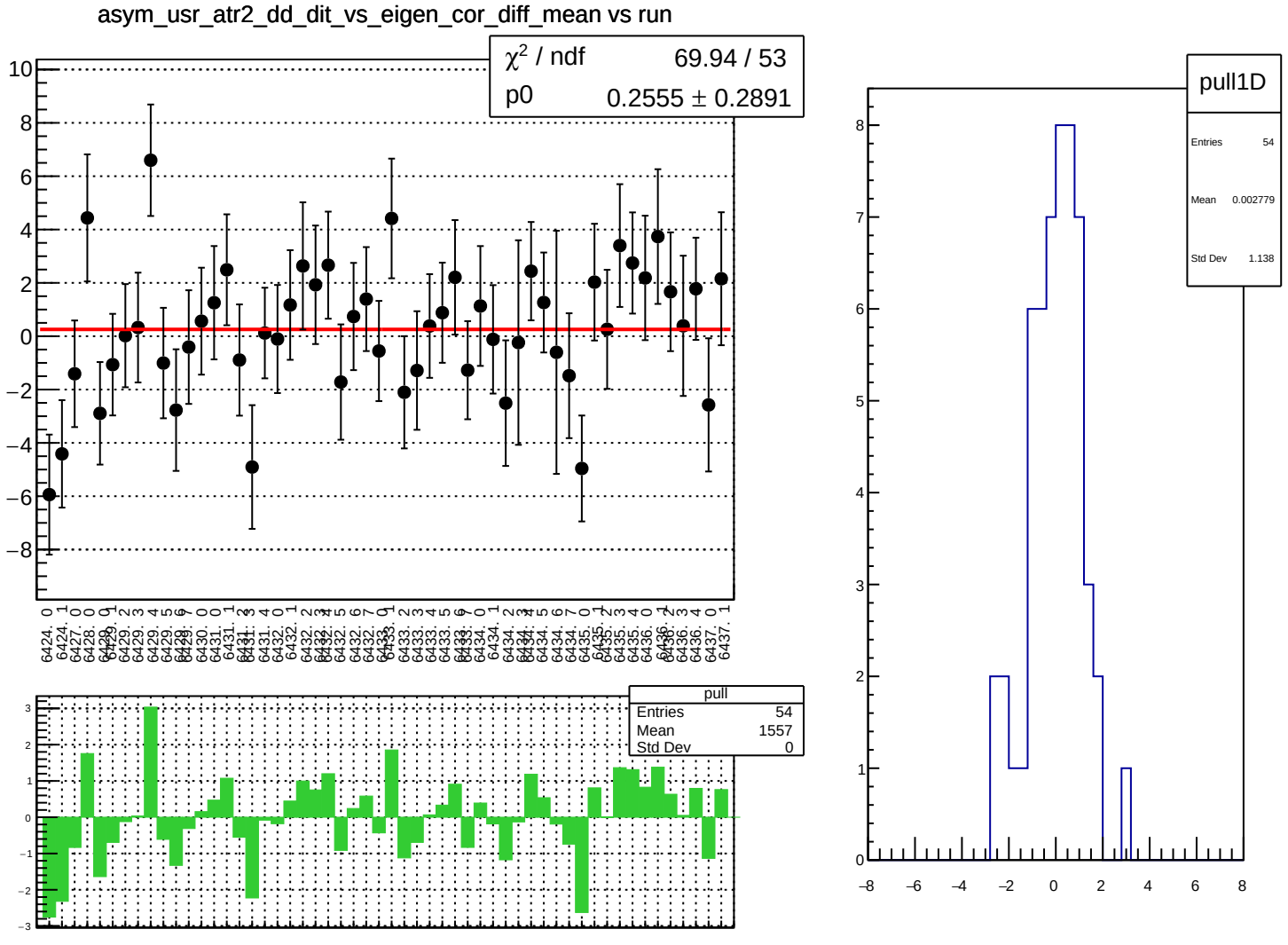

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.87 / 53
p0 −1.349e−13 ± 8.983e−14
pull
Entries 54
Mean 29.6
Std Dev 18.16
pull1D
Entries 54
Mean 0.2225
Std Dev 1.156

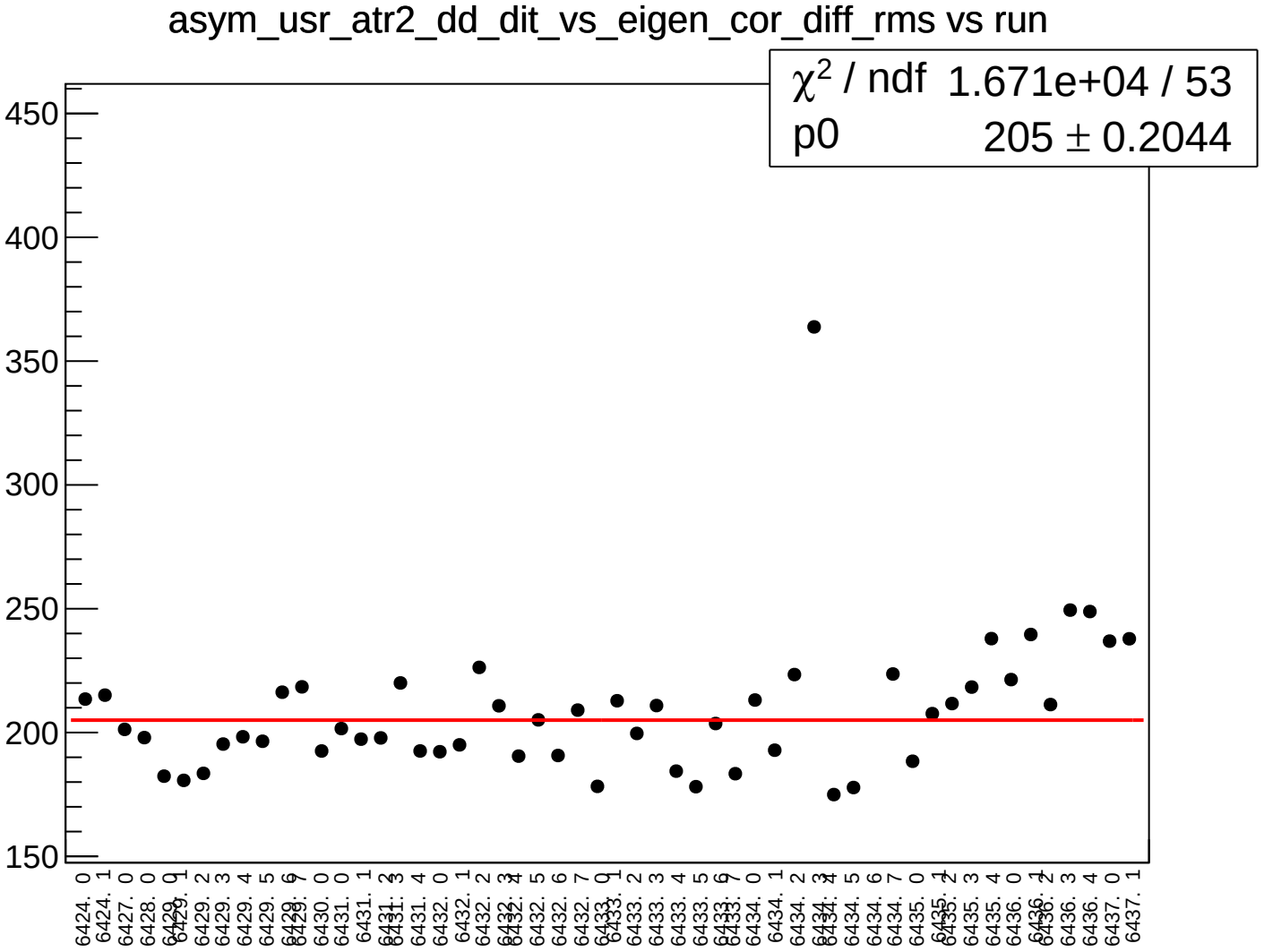

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.39e+05 / 53
p0 2.721e−11 ± 6.352e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

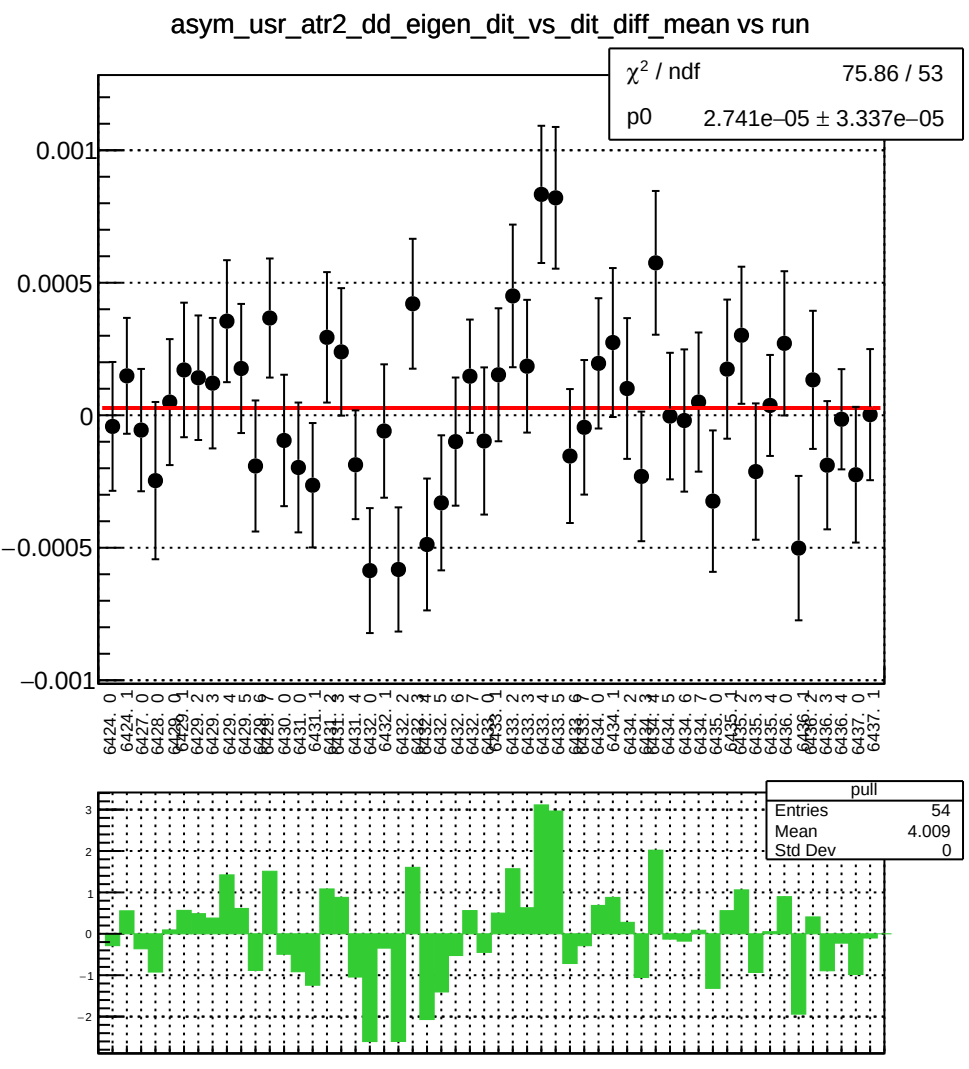

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.94 / 53
p0 0.2555 ± 0.2891
pull
Entries 54
Mean 1557
Std Dev 0

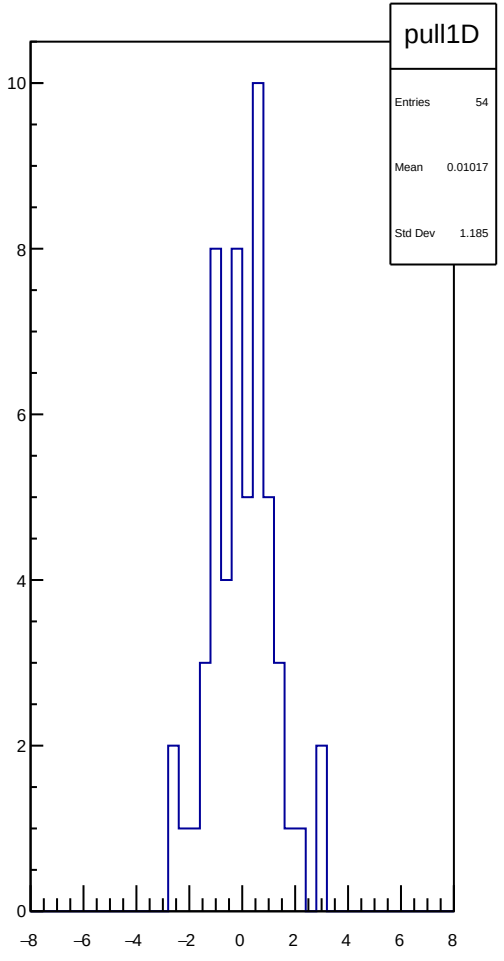

pull1D
Entries 54
Mean 0.002779
Std Dev 1.138

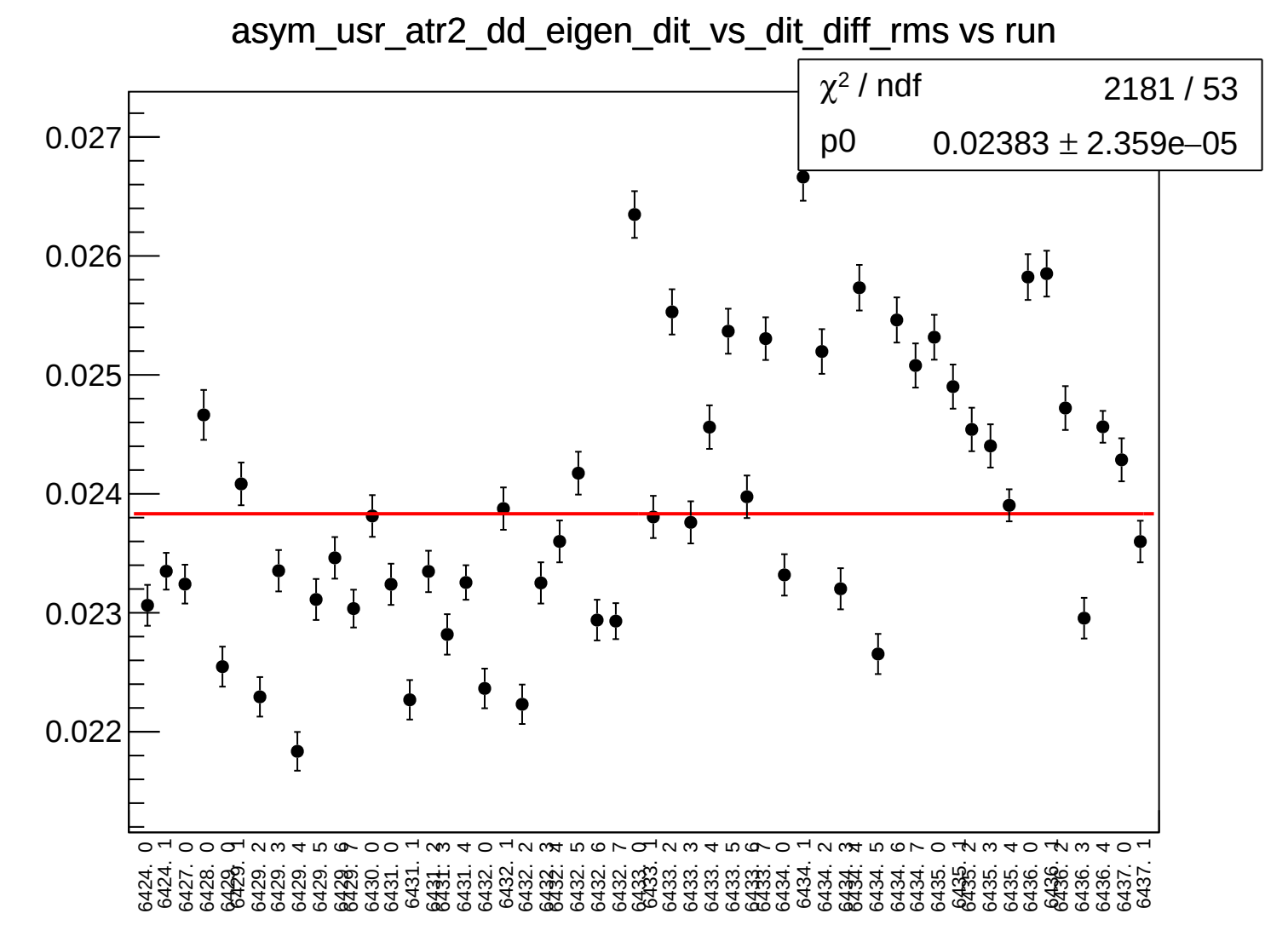

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.671e+04 / 53
p0 205 ± 0.2044
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

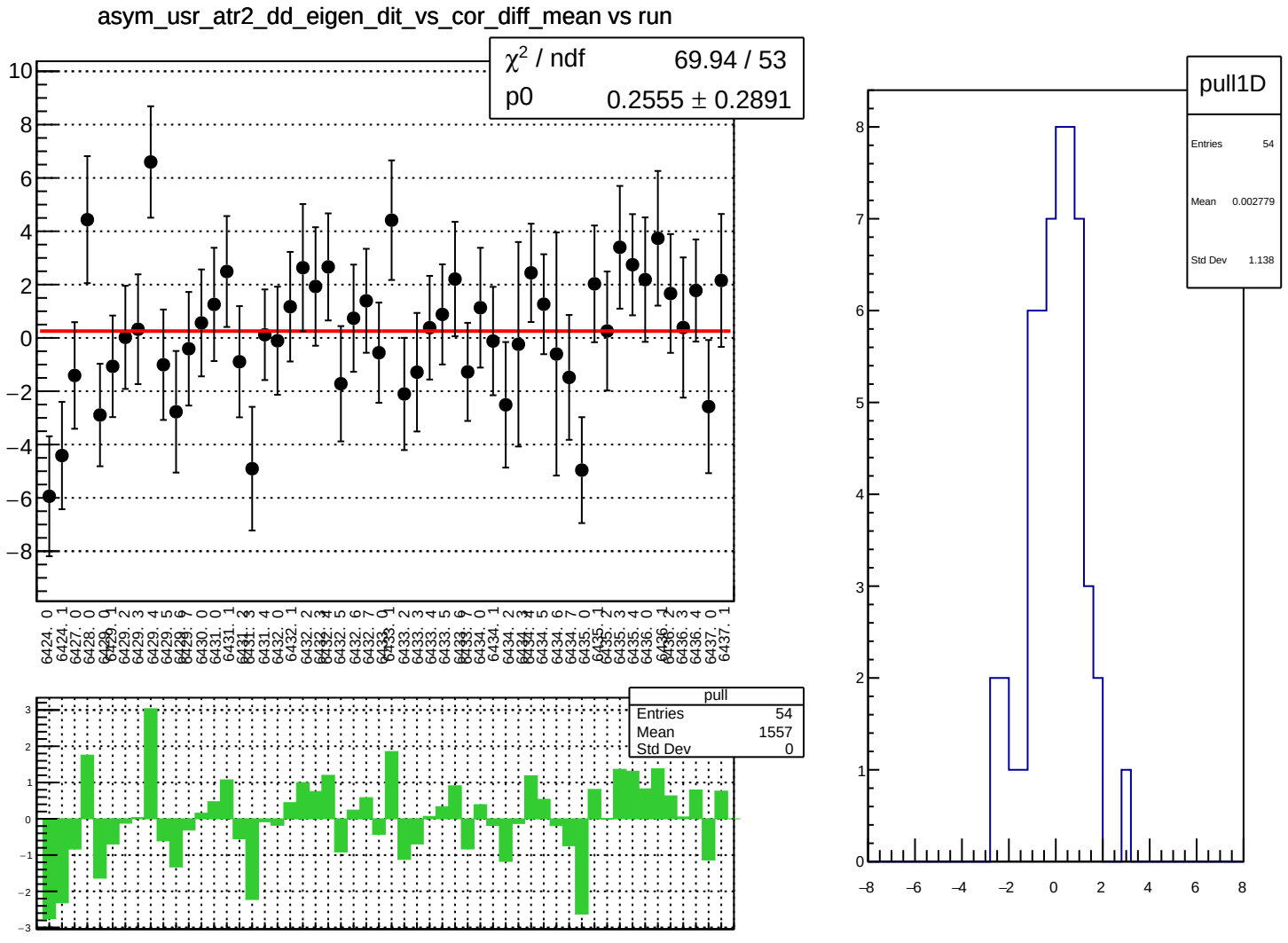

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.94 / 53
p0 0.2555 ± 0.2891
pull
Entries 54
Mean 1557
Std Dev 0
pull1D
Entries 54
Mean 0.002779
Std Dev 1.138

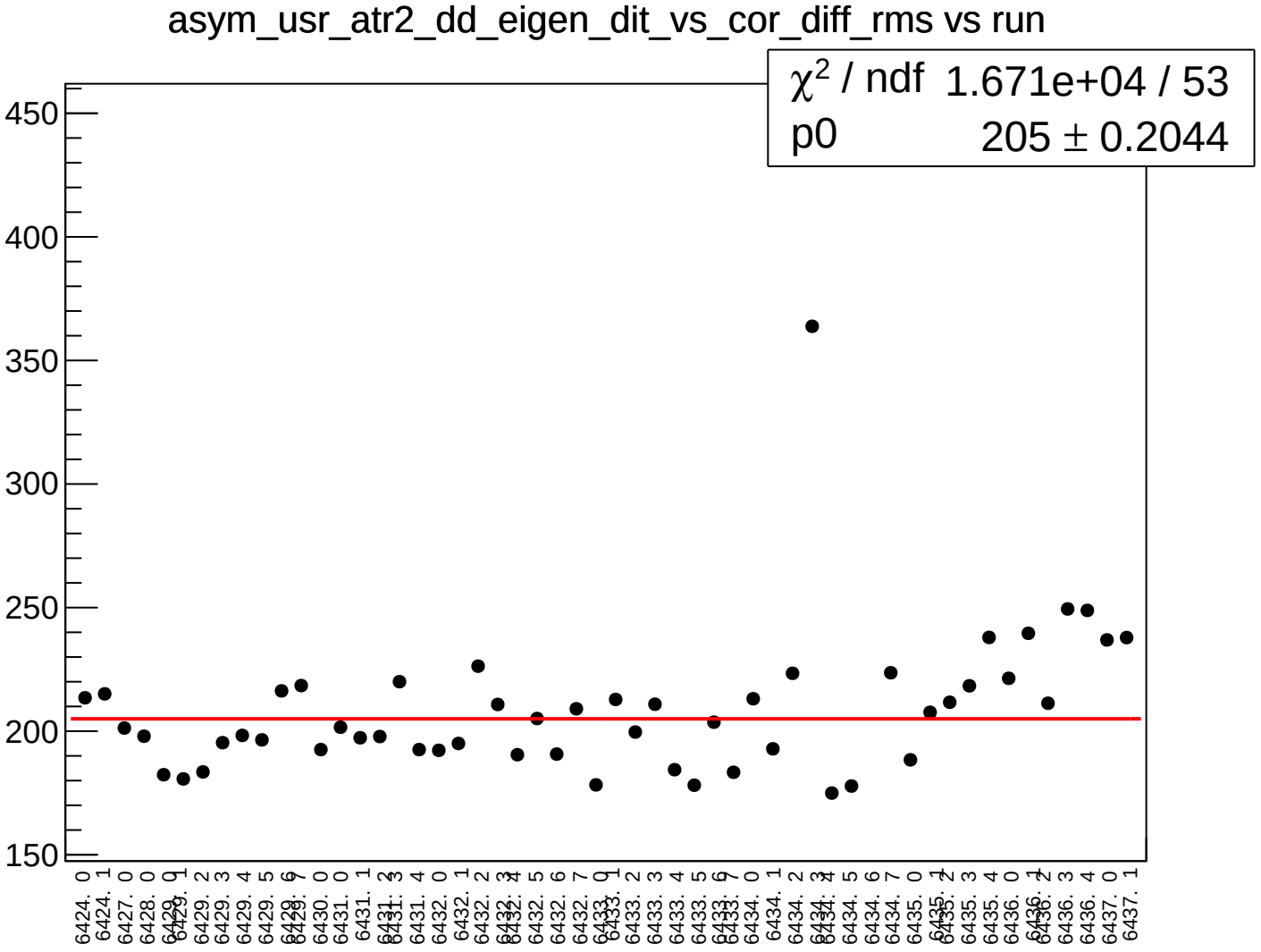

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.671e+04 / 53
p0 205 ± 0.2044
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

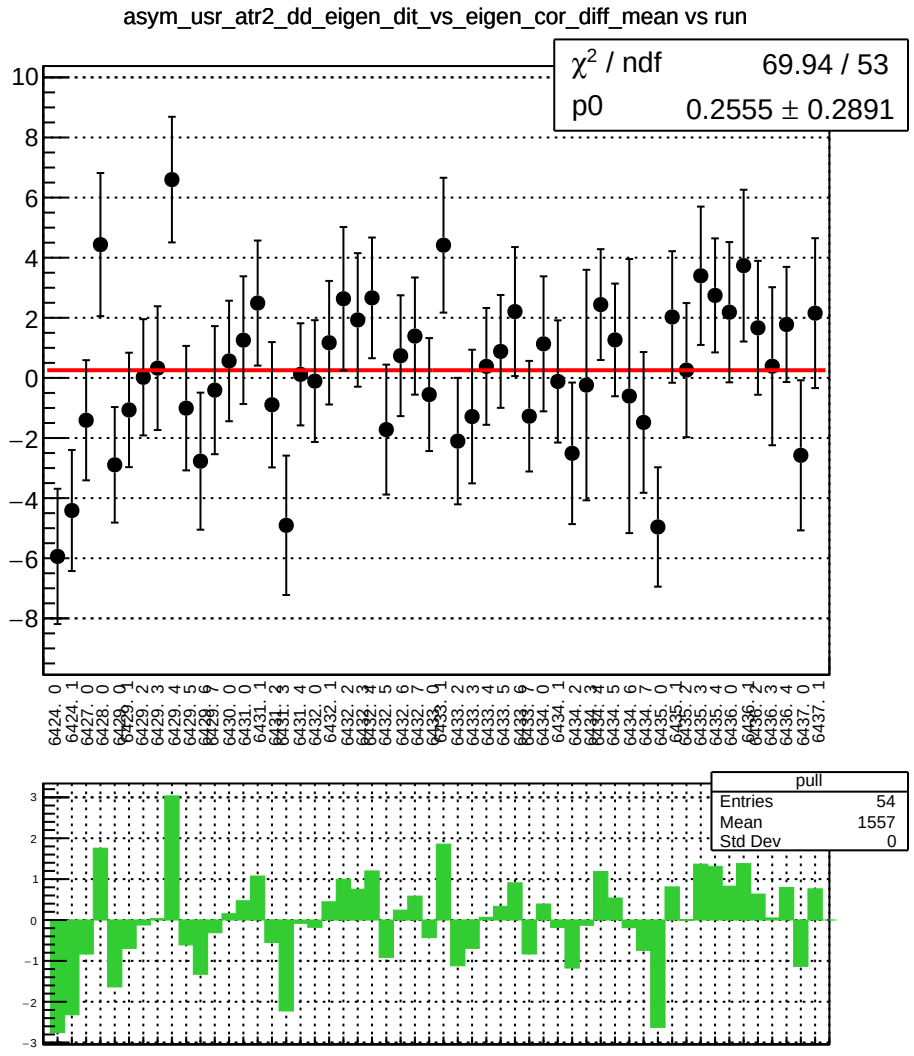

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 75.86 / 53
p0 2.741e−05 ± 3.337e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 4.009
Std Dev 0

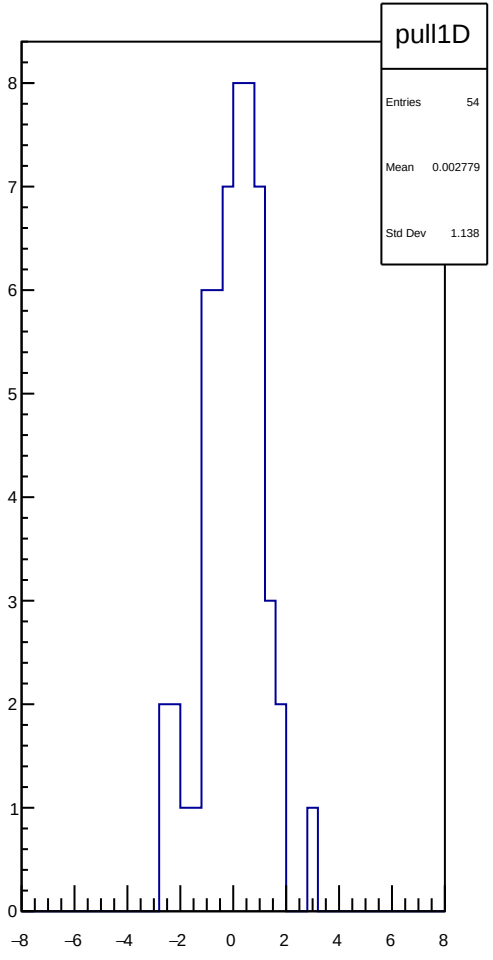

pull1D
Entries 54
Mean 0.01017
Std Dev 1.185

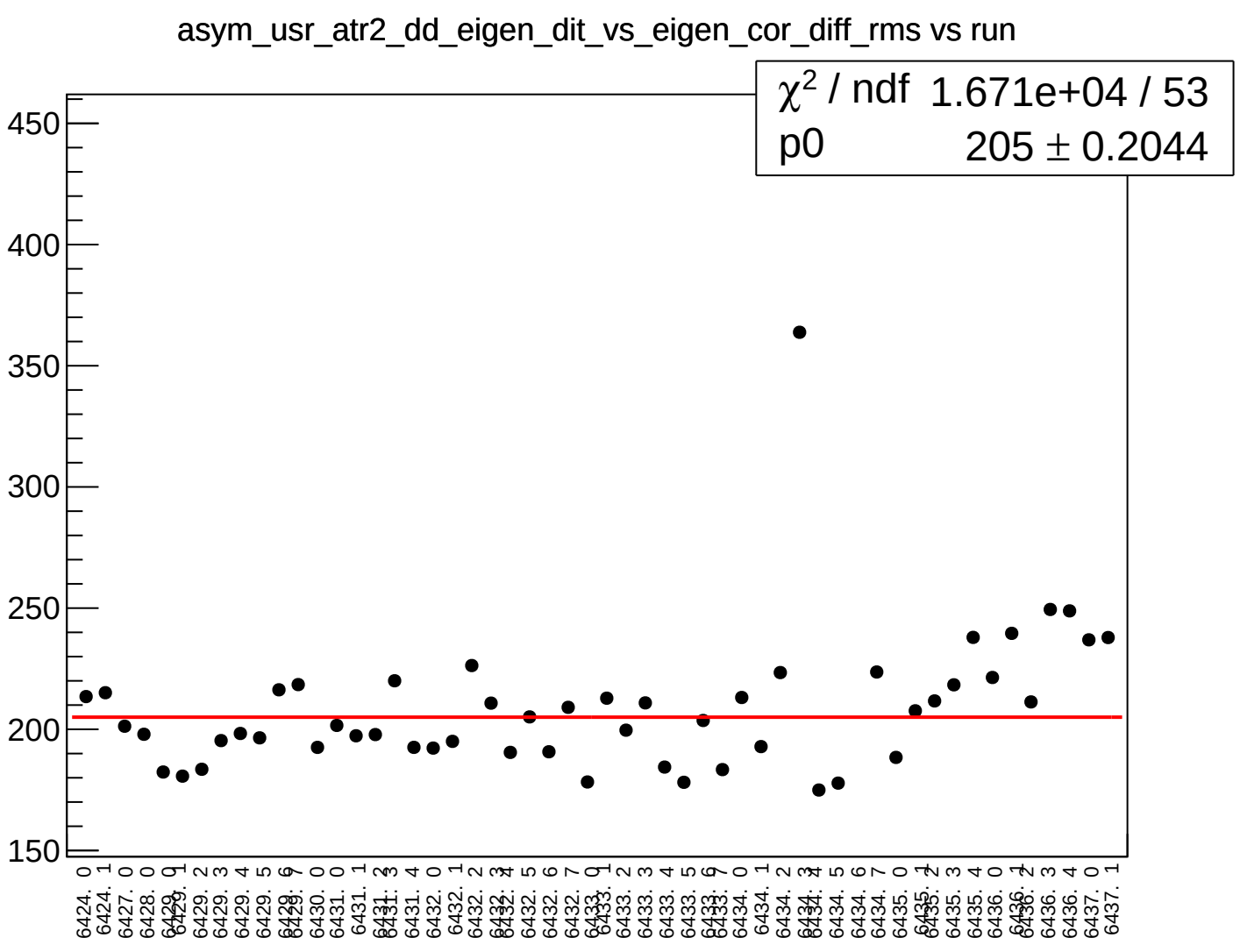

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2181 / 53
p0 0.02383 ± 2.359e–05
0.027
0.026
0.025
0.024
0.023
0.022
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

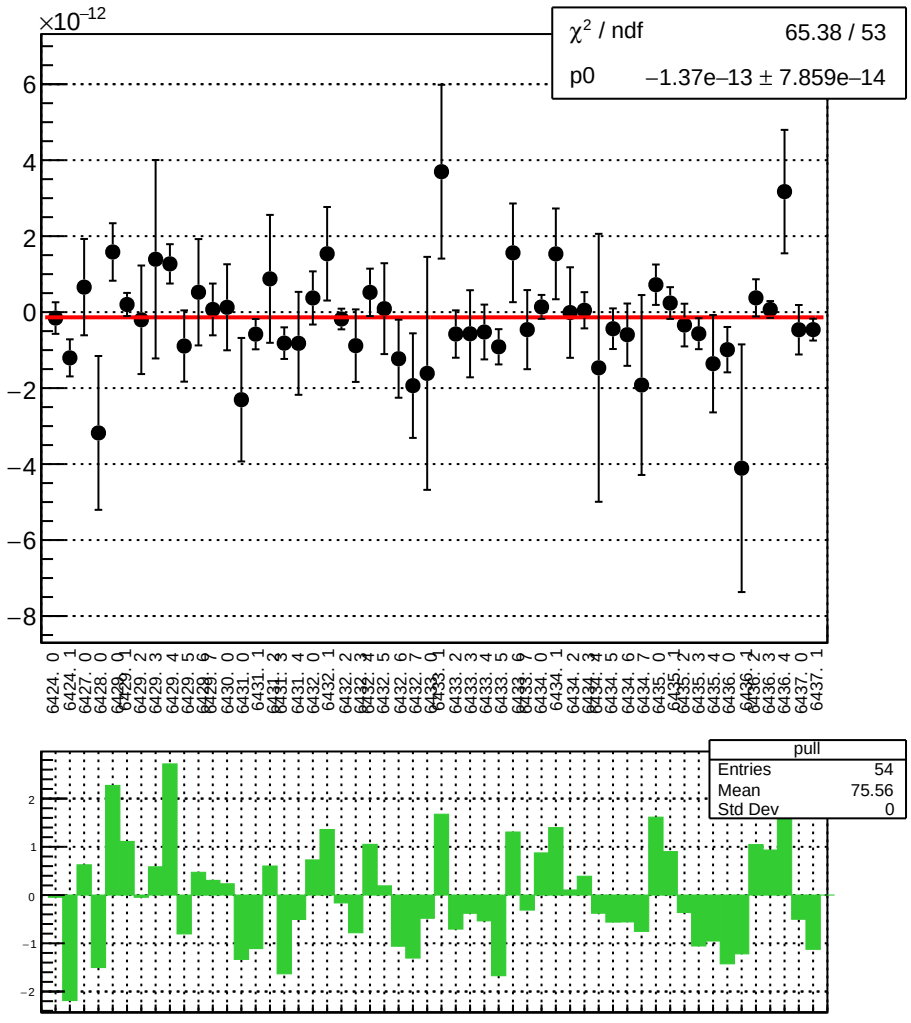

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.94 / 53
p0 0.2555 ± 0.2891
pull
Entries 54
Mean 1557
Std Dev 0
pull1D
Entries 54
Mean 0.002779
Std Dev 1.138

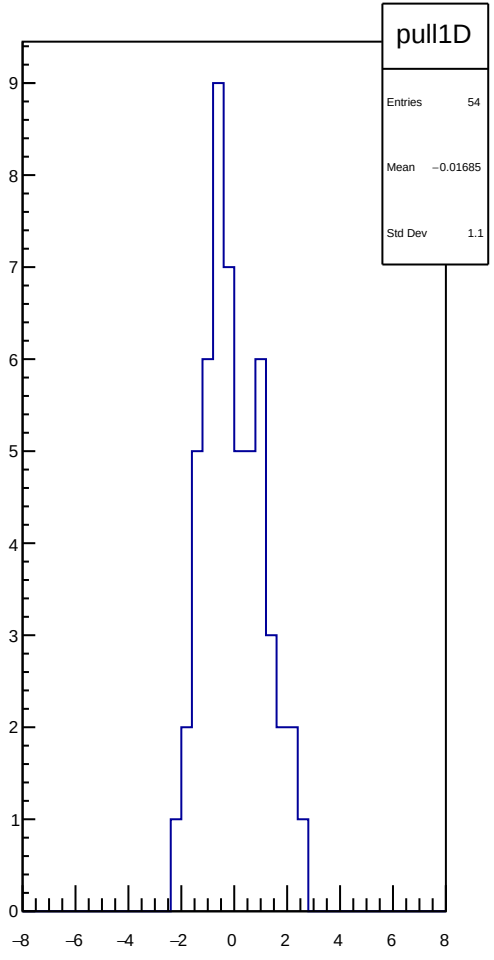

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.671e+04 / 53
p0 205 ± 0.2044
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

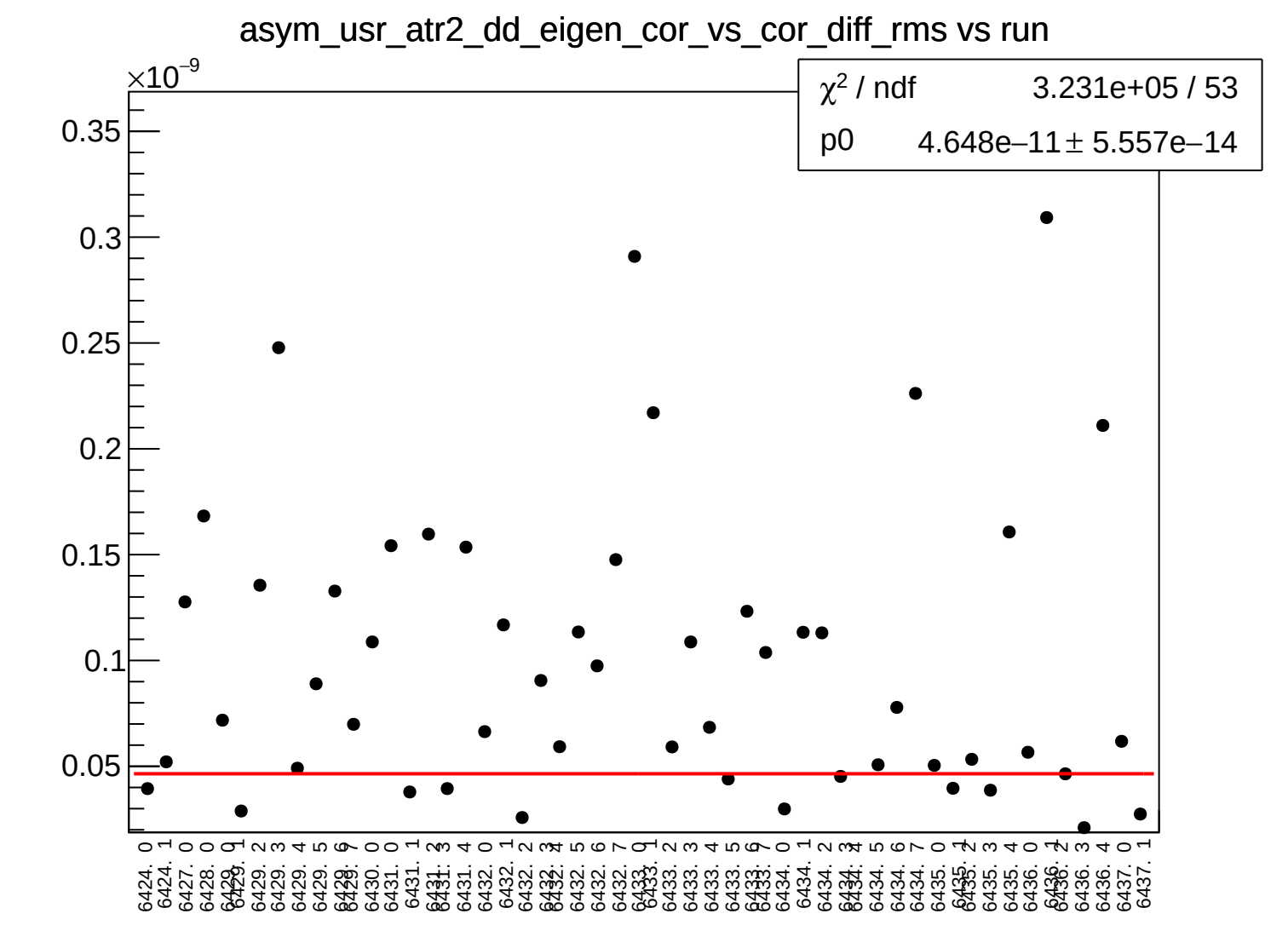

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.94 / 53
p0 0.2555 ± 0.2891
pull
Entries 54
Mean 1557
Std Dev 0

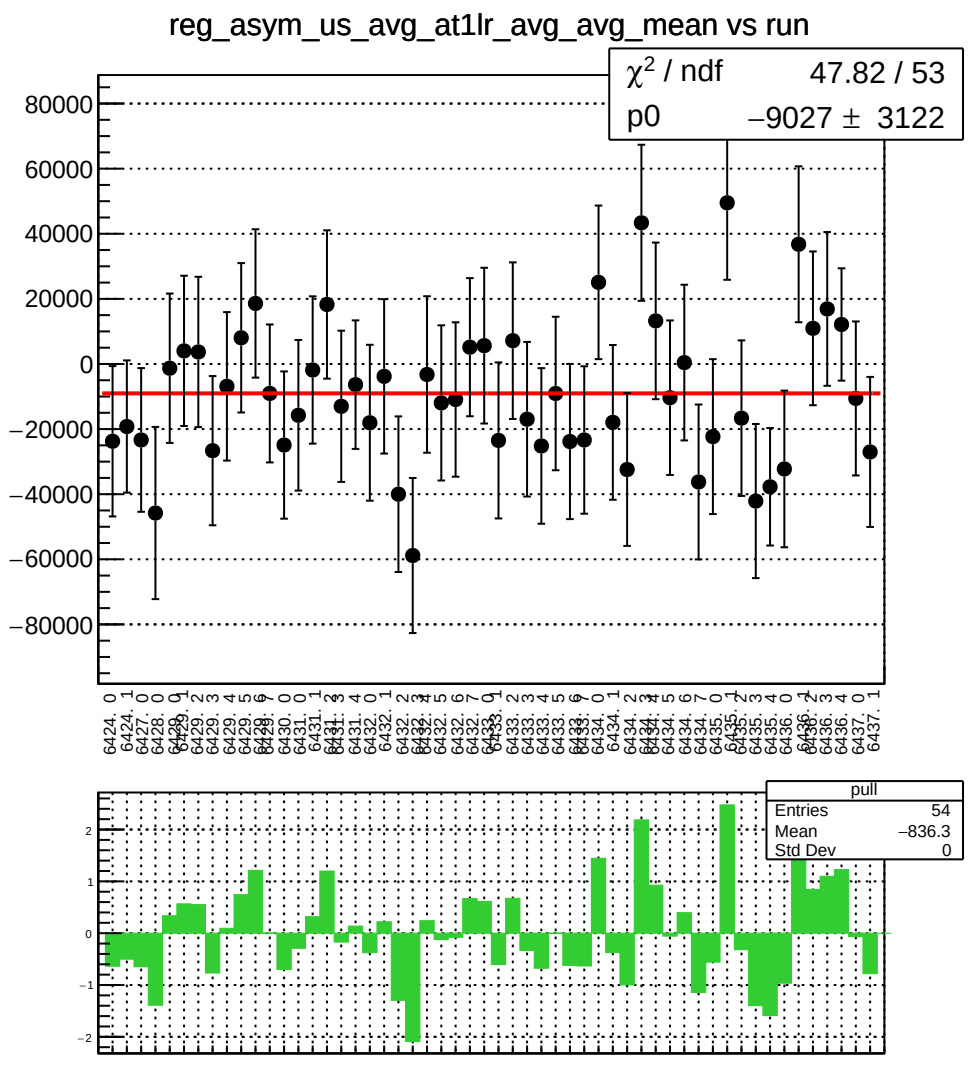

pull1D
Entries 54
Mean 0.002779
Std Dev 1.138

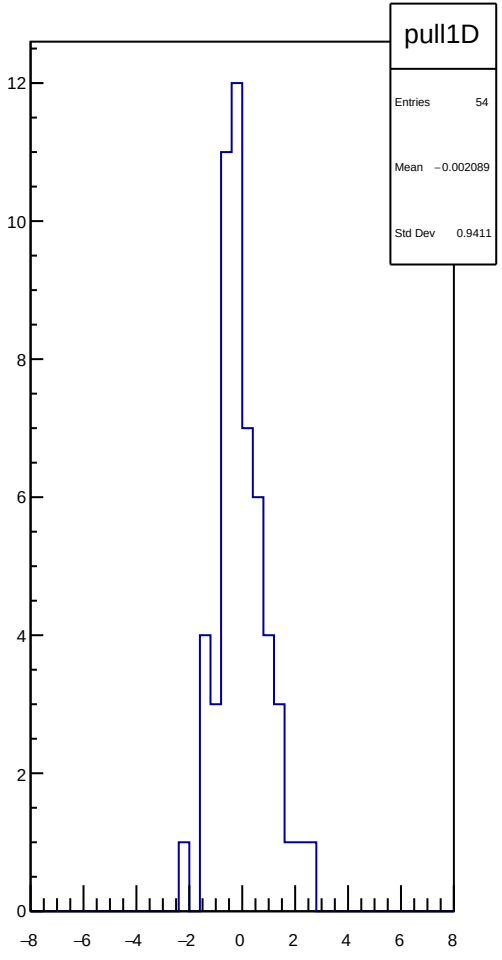

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.671e+04 / 53
p0 205 ± 0.2044
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

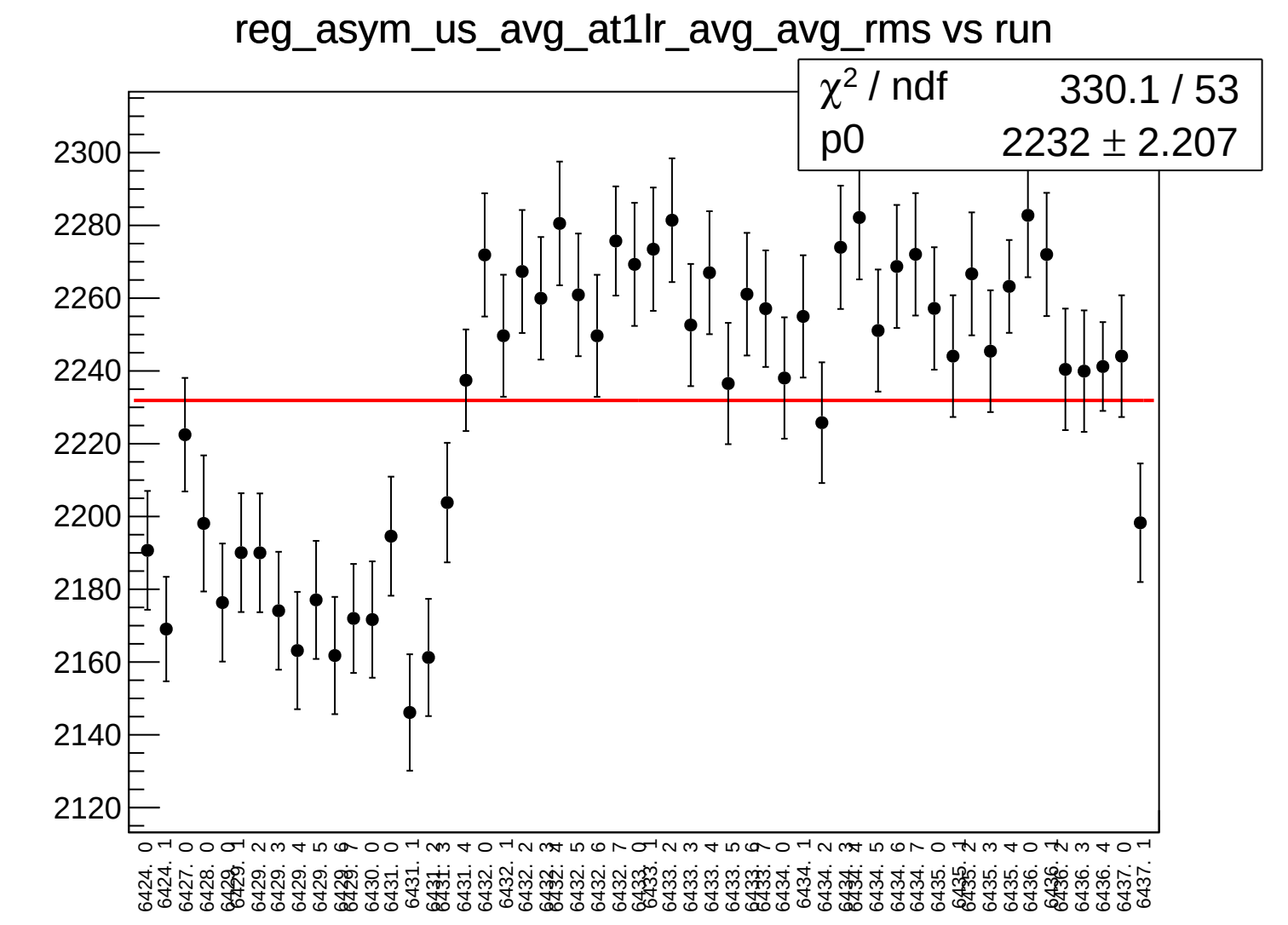

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.38 / 53
p0 −1.37e−13 ± 7.859e−14
pull
Entries 54
Mean 75.56
Std Dev 0

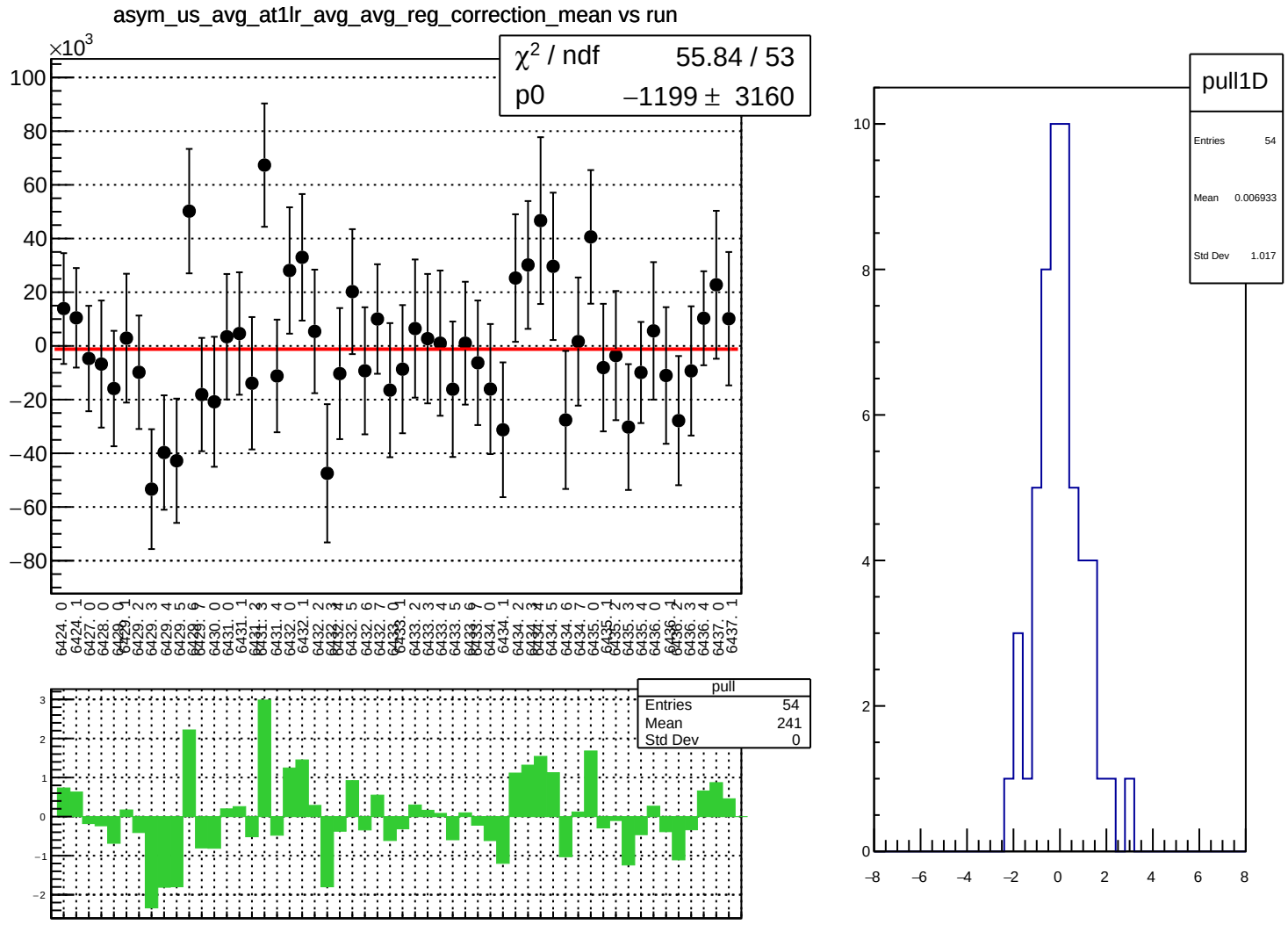

pull1D
Entries 54
Mean −0.01685
Std Dev 1.1

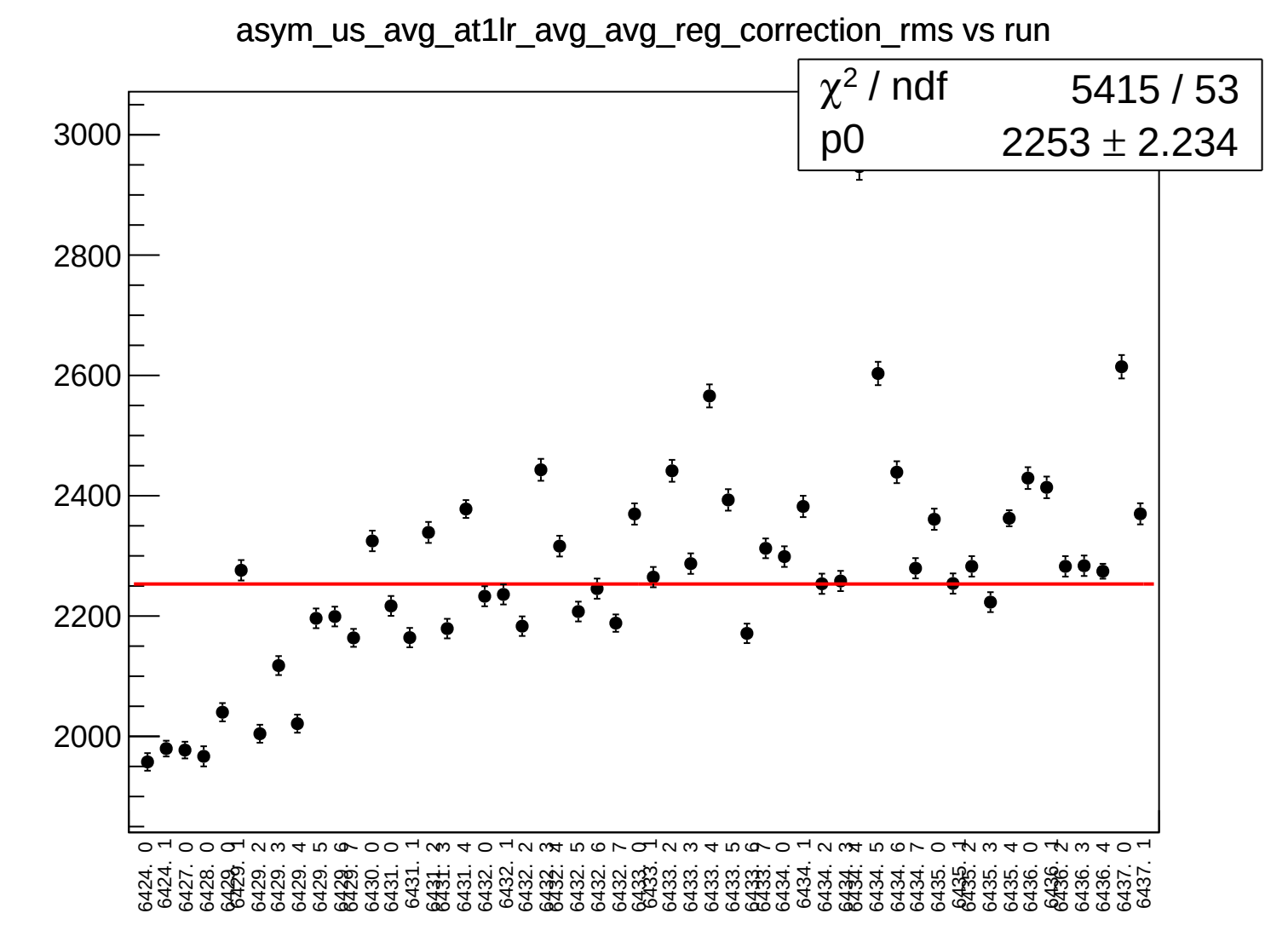

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.231e+05 / 53
p0 4.648e−11 ± 5.557e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

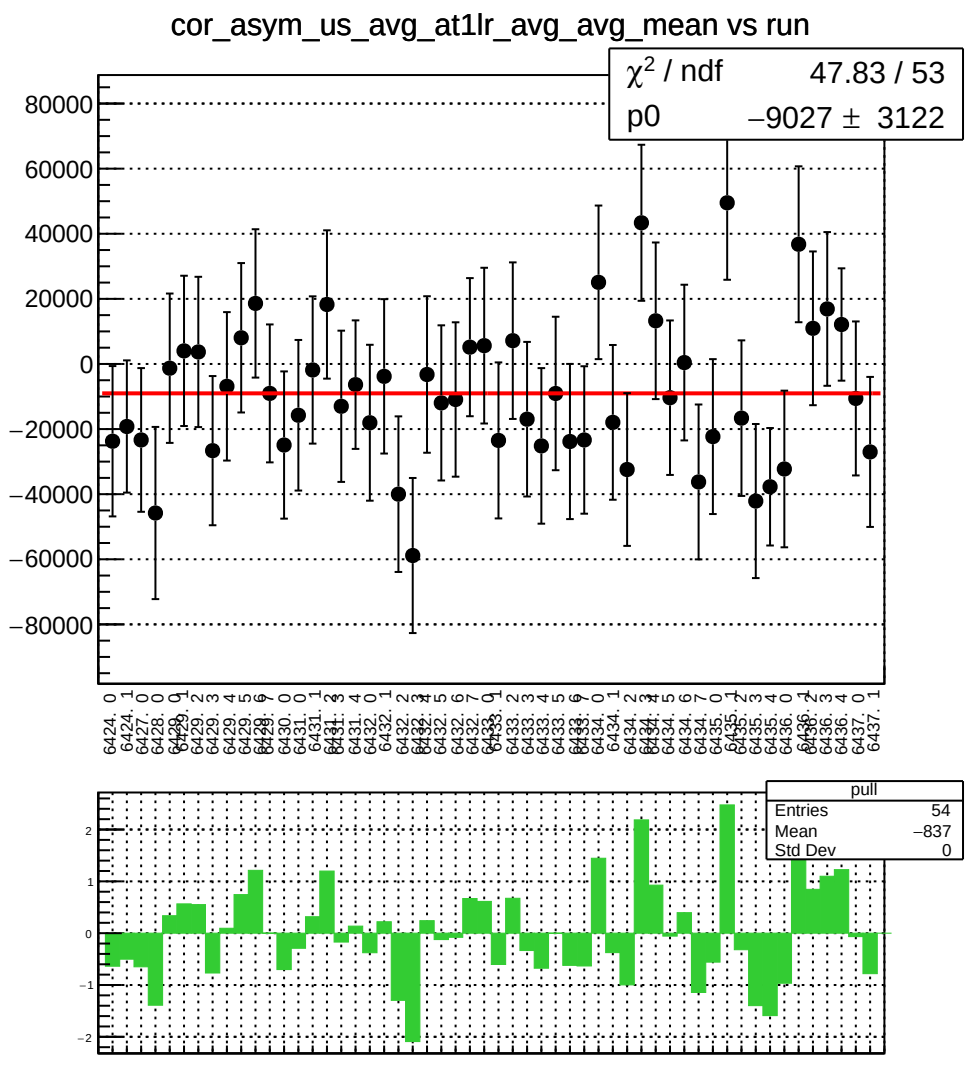

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.82 / 53
p0 −9027 ± 3122
pull
Entries 54
Mean −836.3
Std Dev 0

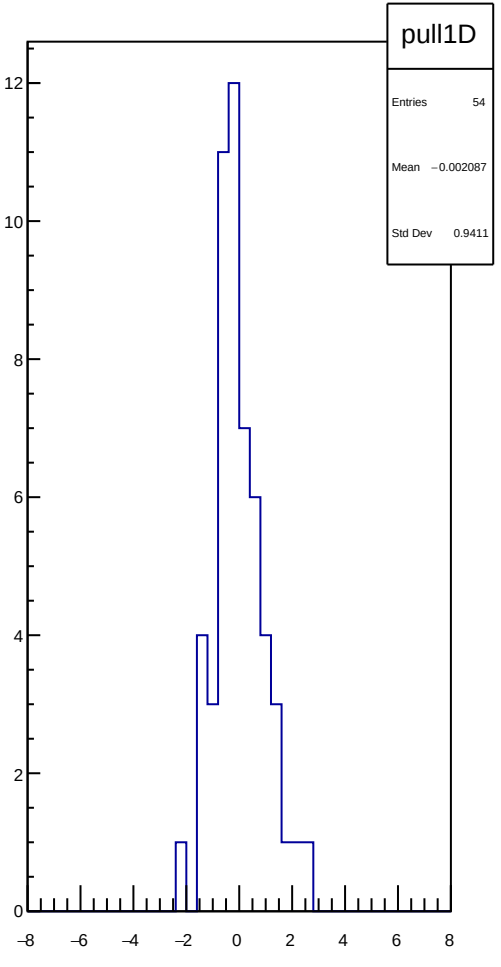

pull1D
Entries 54
Mean −0.002089
Std Dev 0.9411

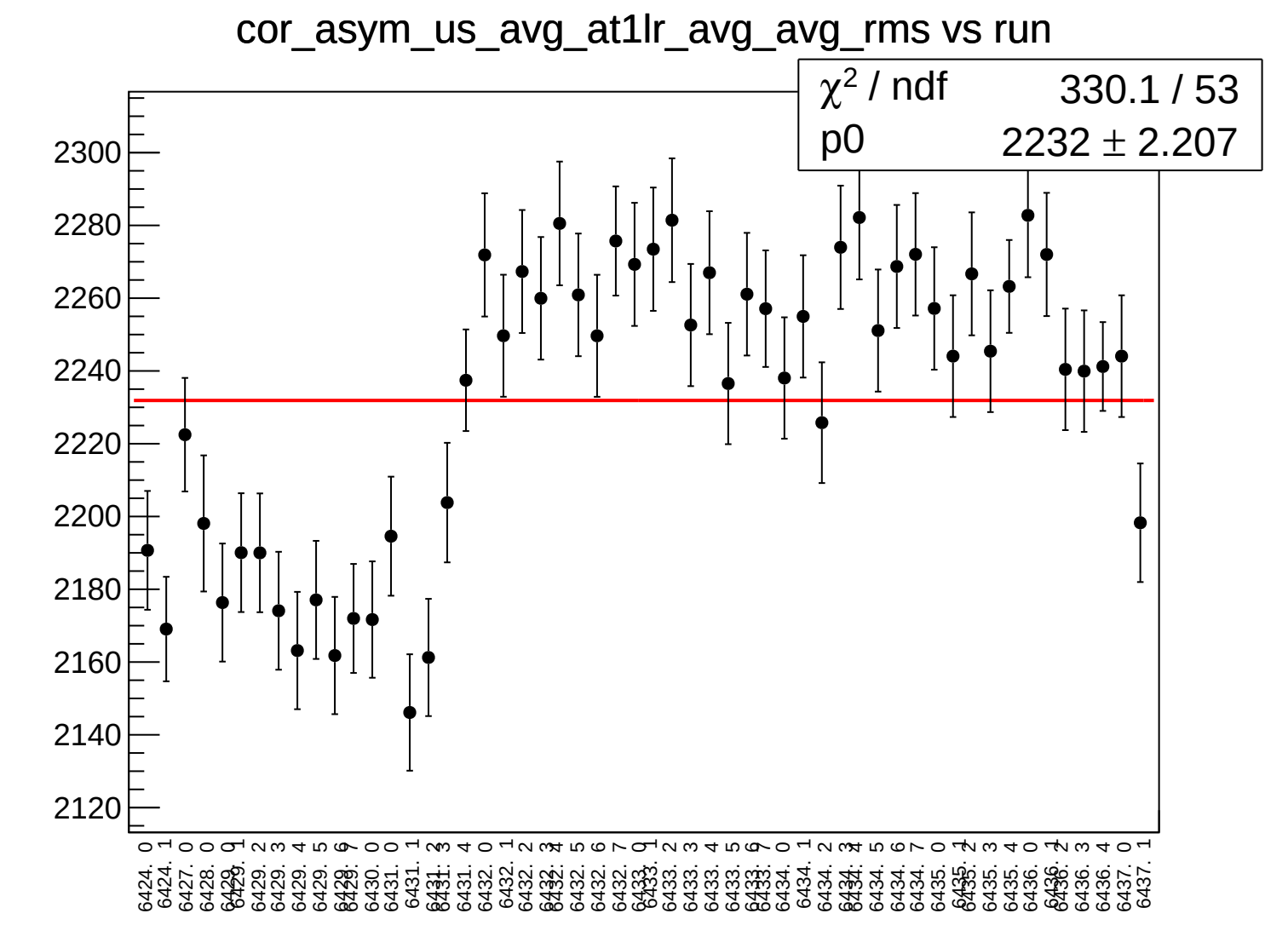

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 330.1 / 53
p0 2232 ± 2.207
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

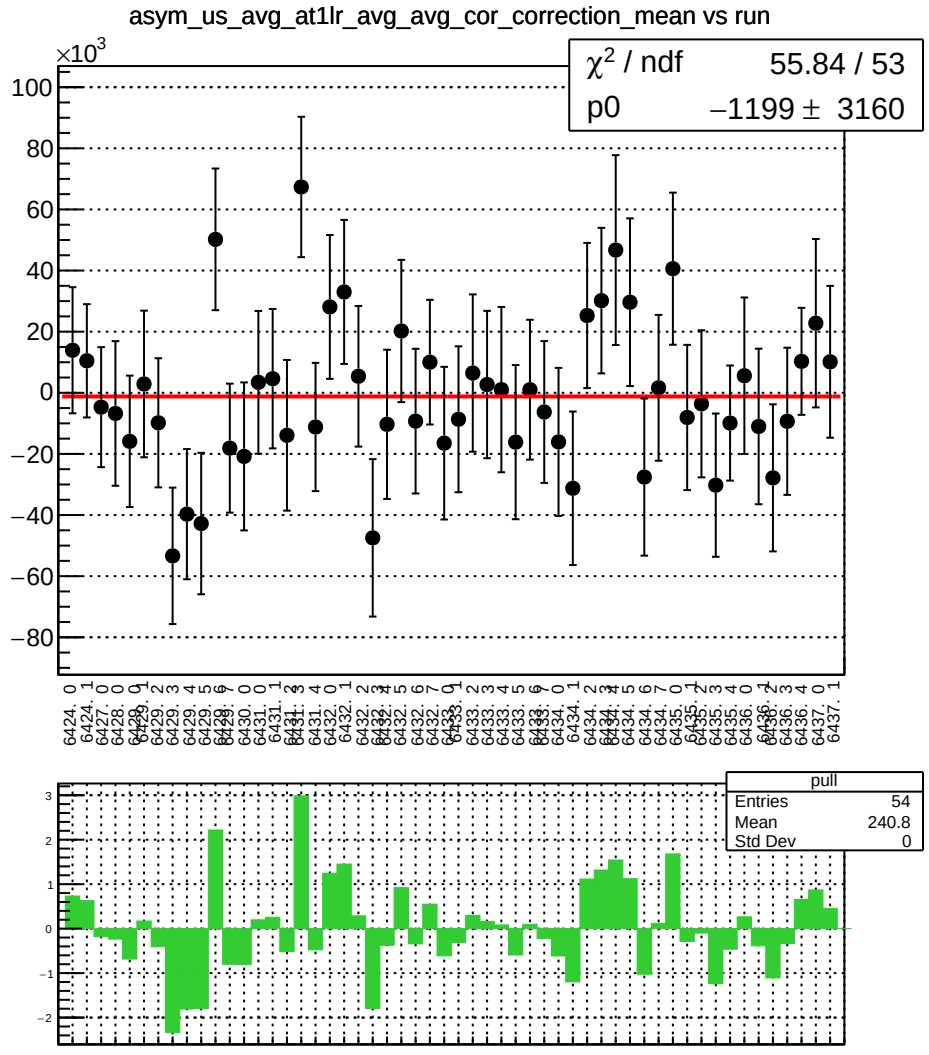

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 55.84 / 53
p0 −1199 ± 3160
pull
Entries 54
Mean 241
Std Dev 0
pull1D
Entries 54
Mean 0.006933
Std Dev 1.017

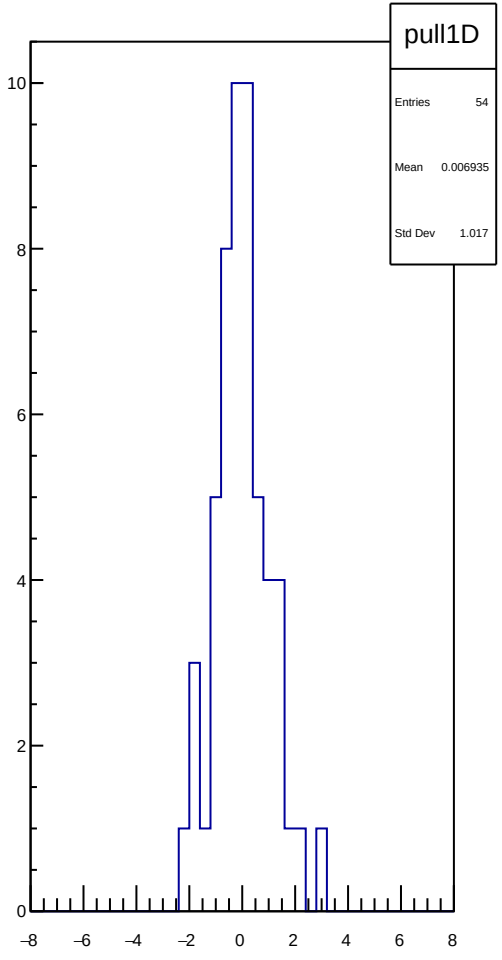

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 5415 / 53
p0 2253 ± 2.234
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

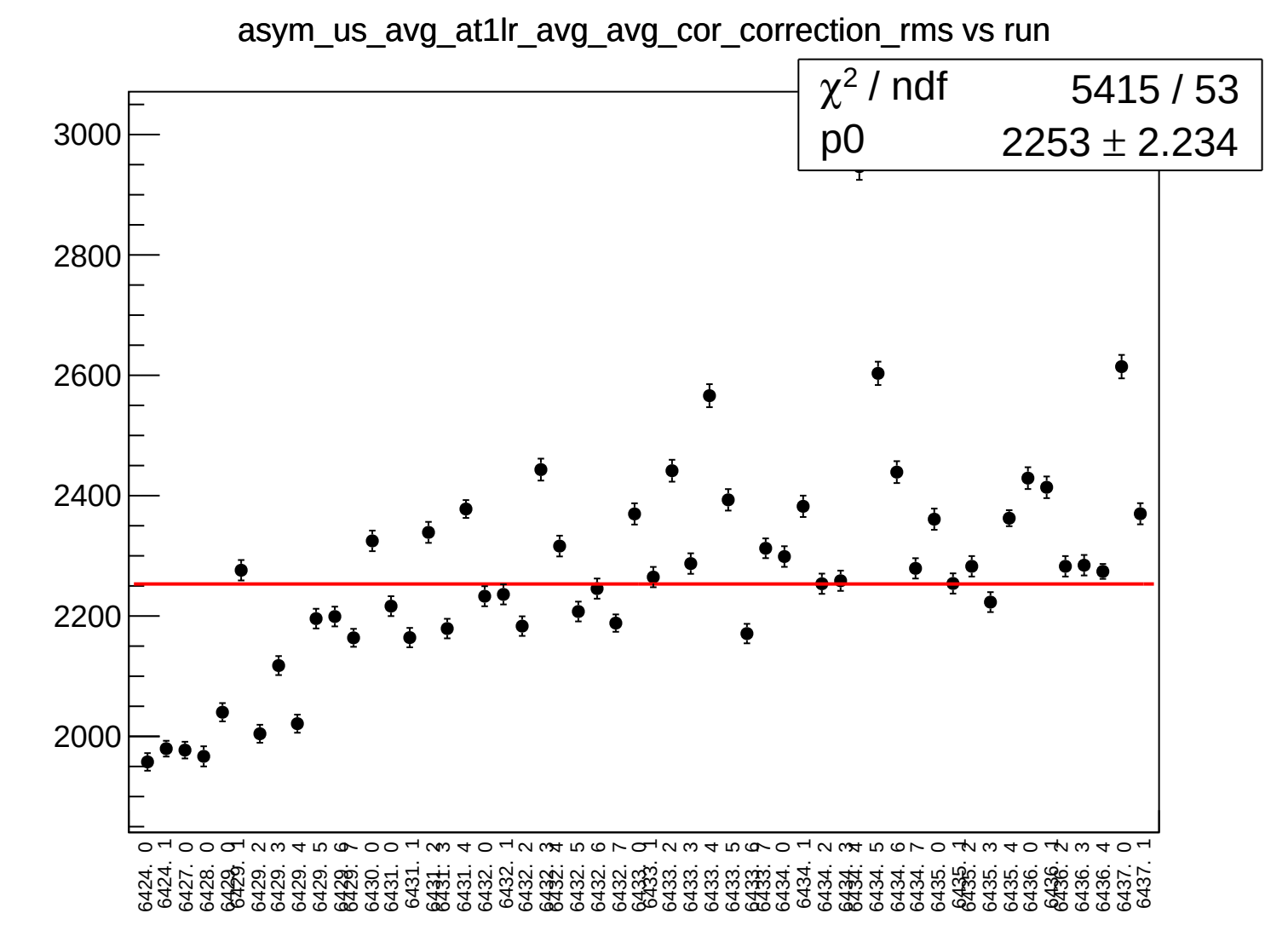

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.83 / 53
p0 −9027 ± 3122
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −837
Std Dev 0
2
1
0
−1
−2

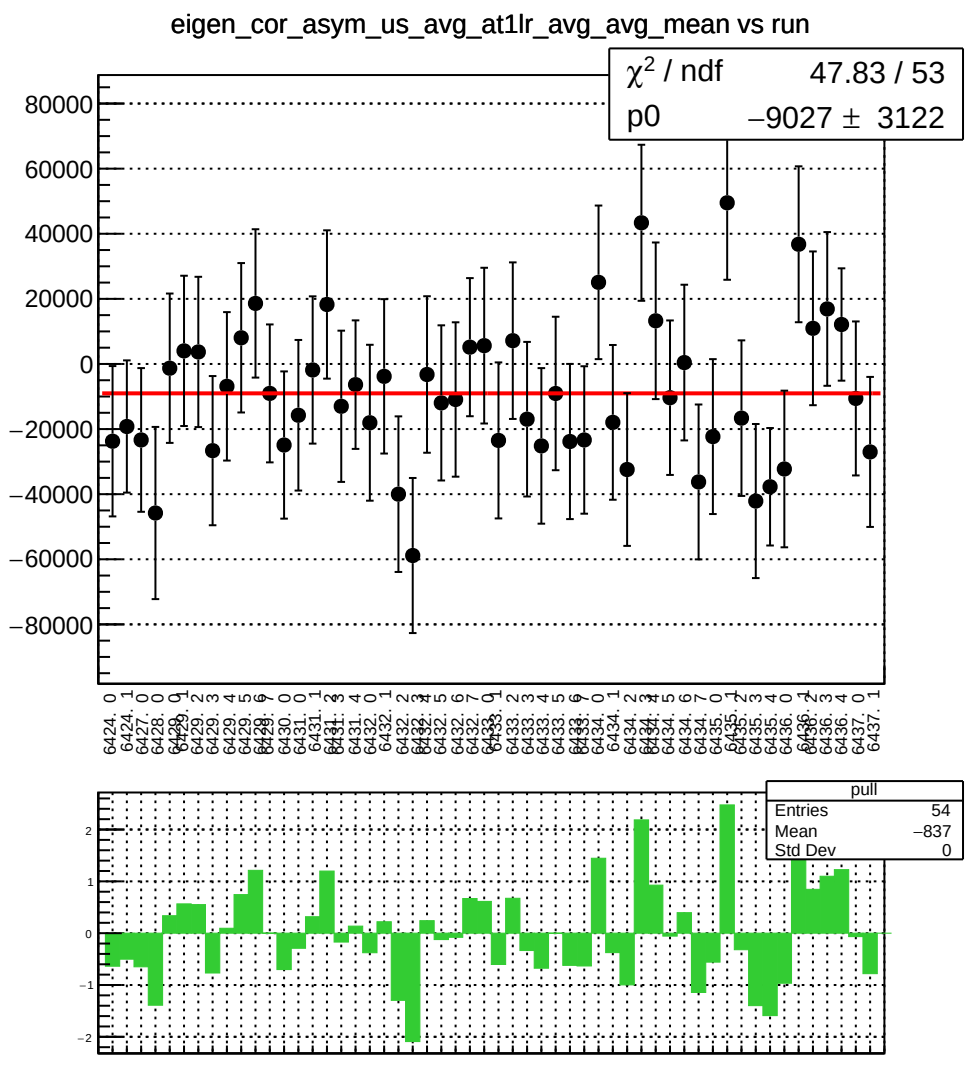

pull1D
Entries 54
Mean −0.002087
Std Dev 0.9411
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

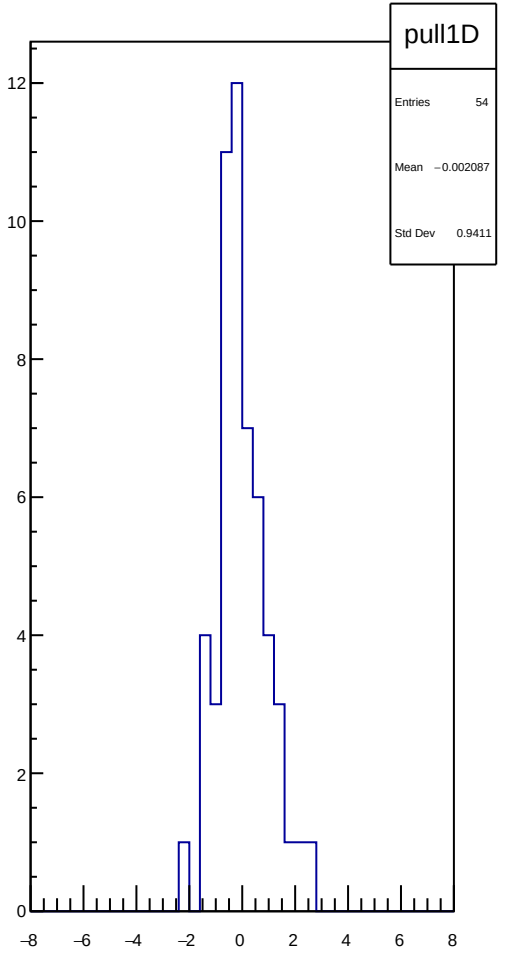

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 330.1 / 53
p0 2232 ± 2.207
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

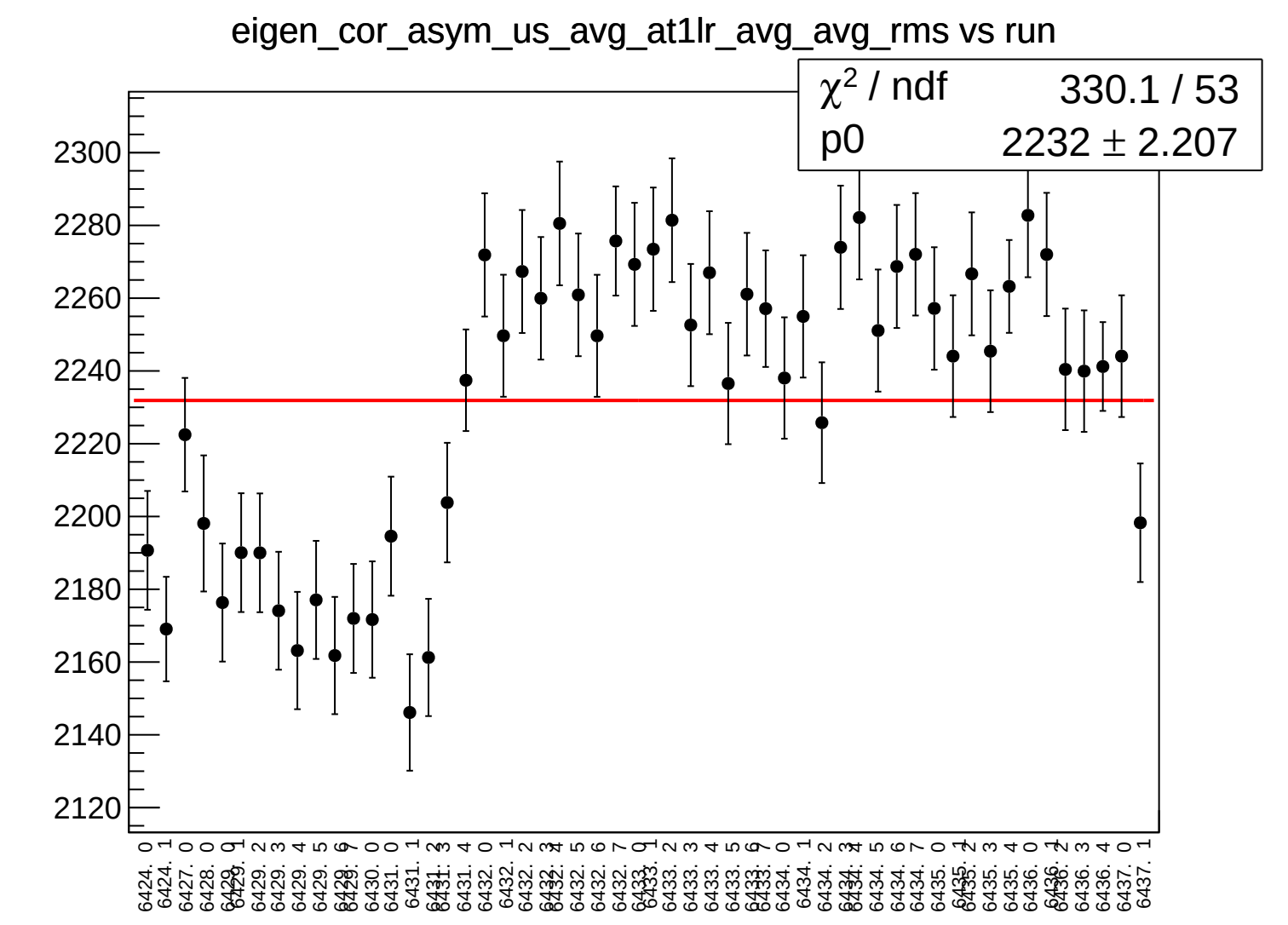

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 55.84 / 53
p0 −1199 ± 3160
pull
Entries 54
Mean 240.8
Std Dev 0

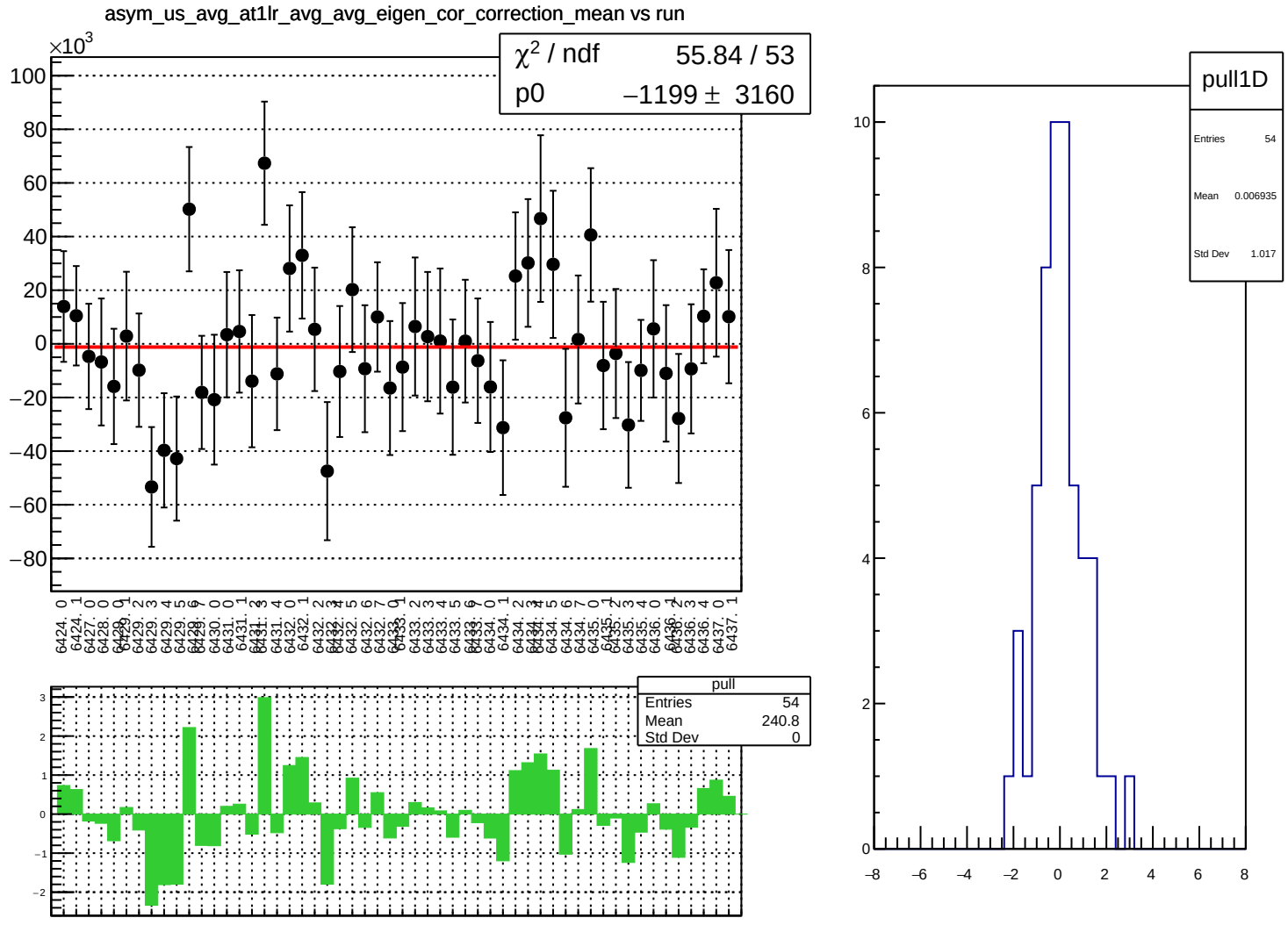

pull1D
Entries 54
Mean 0.006935
Std Dev 1.017

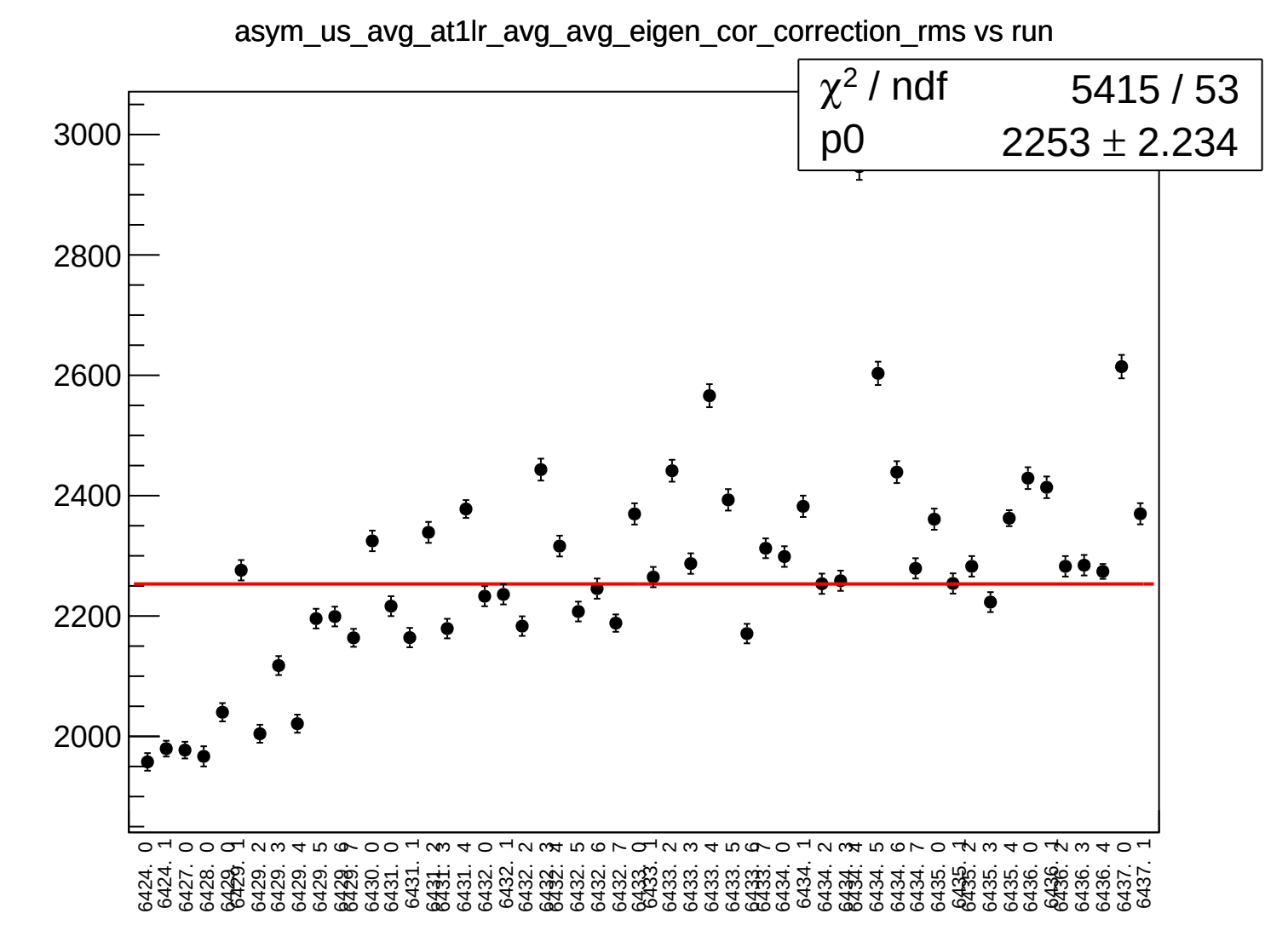

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 5415 / 53
p0 2253 ± 2.234
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.83 / 53
p0 −9027 ± 3122
pull
Entries 54
Mean −837
Std Dev 0


pull1D
Entries 54
Mean −0.002087
Std Dev 0.9411


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 330.1 / 53
p0 2232 ± 2.207
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 55.84 / 53
p0 −1199 ± 3160
pull
Entries 54
Mean 240.8
Std Dev 0
pull1D
Entries 54
Mean 0.006935
Std Dev 1.017


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 5415 / 53
p0 2253 ± 2.234
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
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6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
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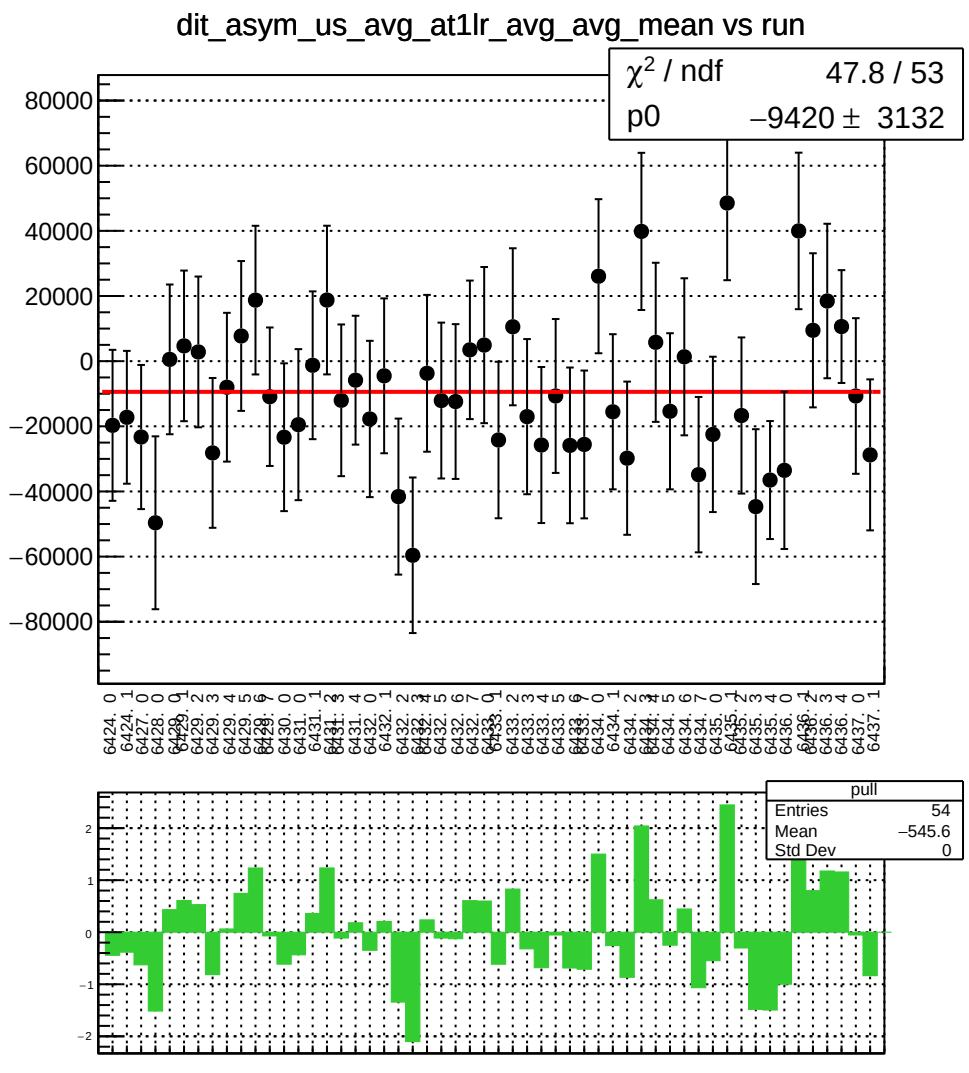
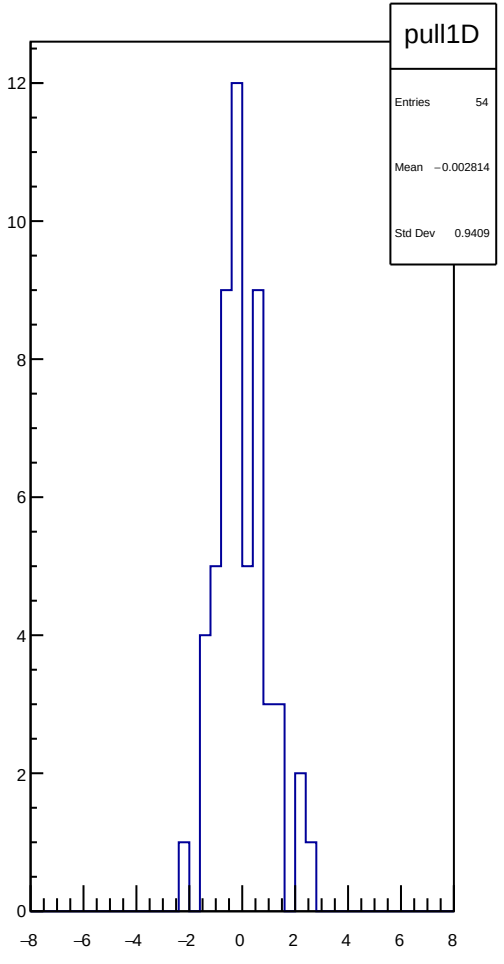
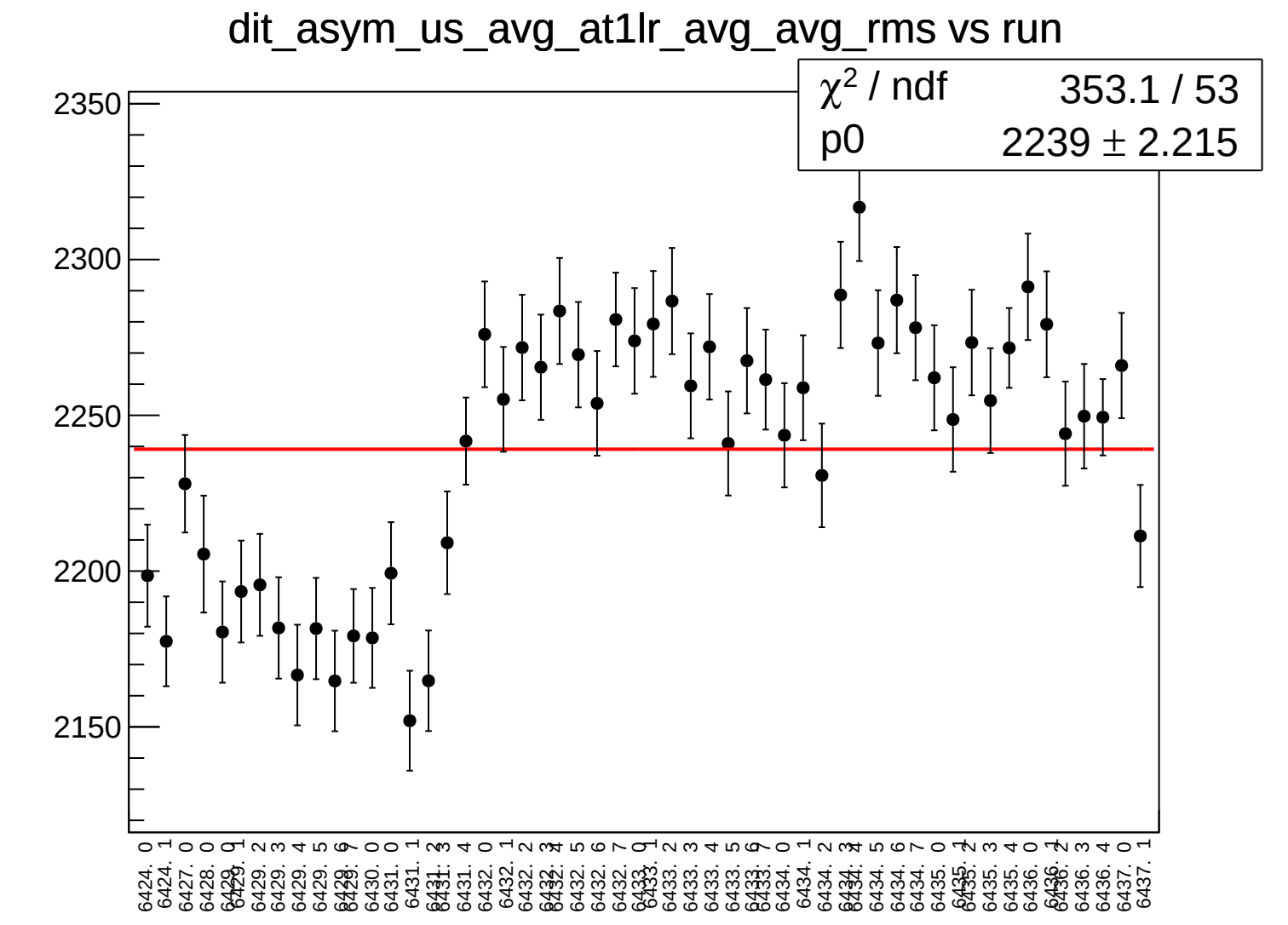
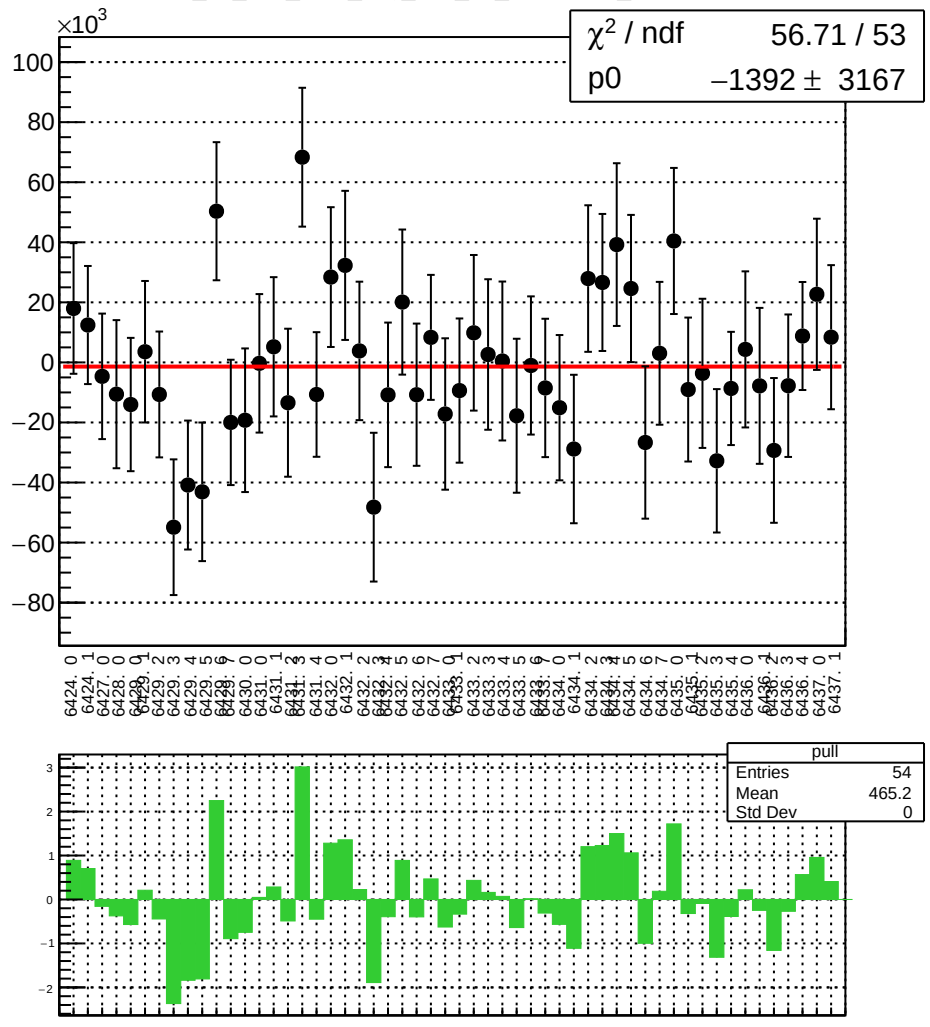
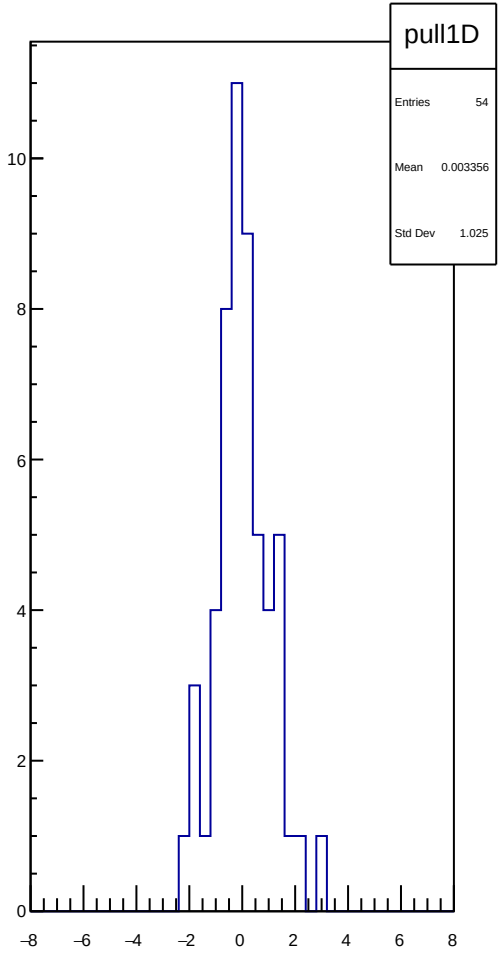
6437. 0
6437. 1

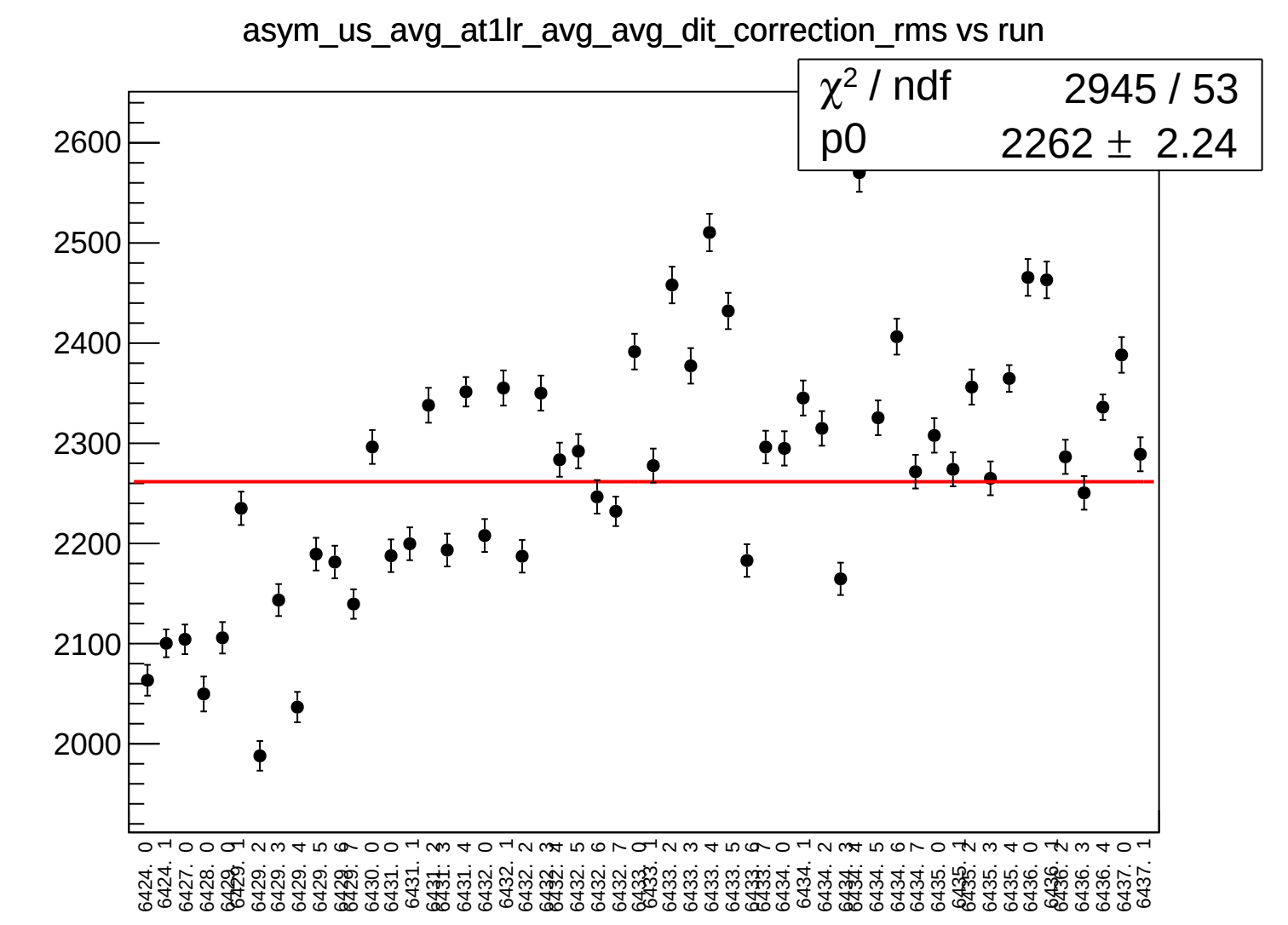

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.8 / 53
p0 −9420 ± 3132
pull
Entries 54
Mean −545.6
Std Dev 0

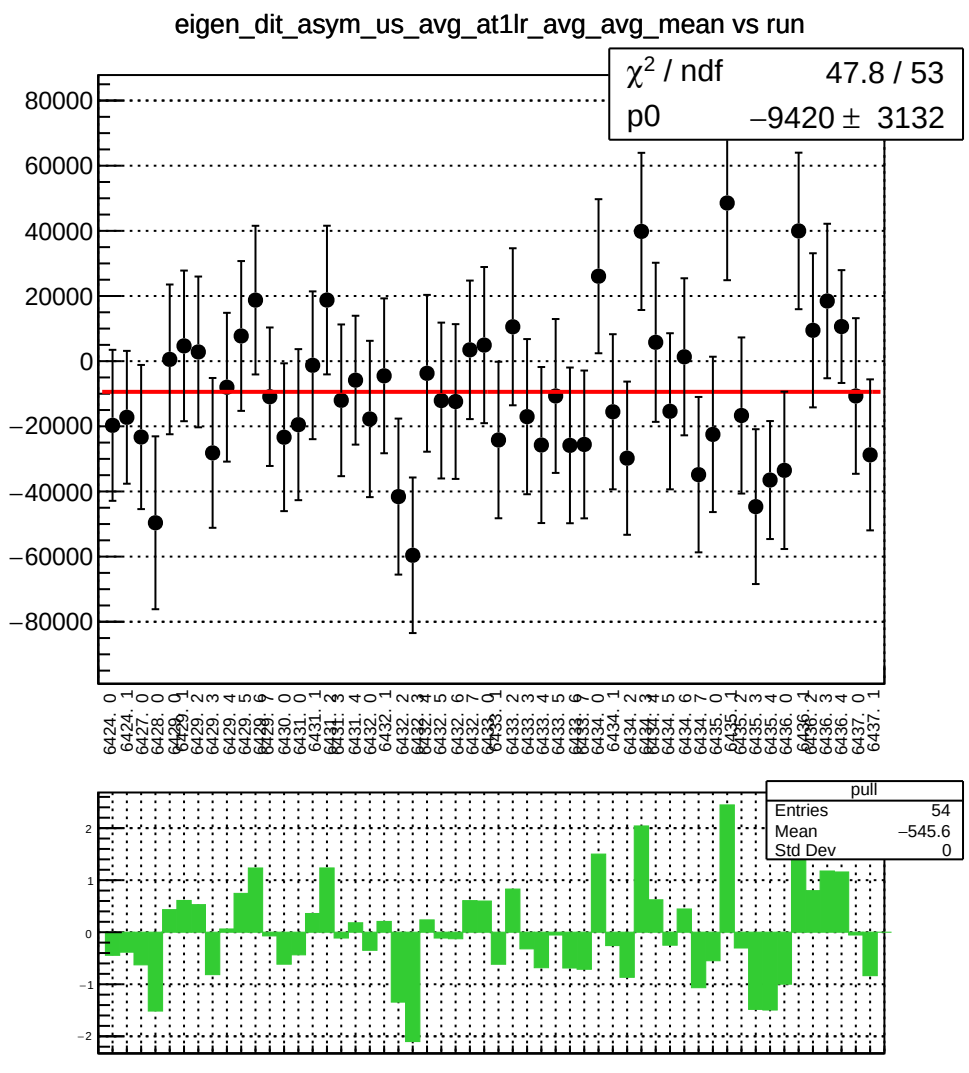

pull1D
Entries 54
Mean −0.002814
Std Dev 0.9409

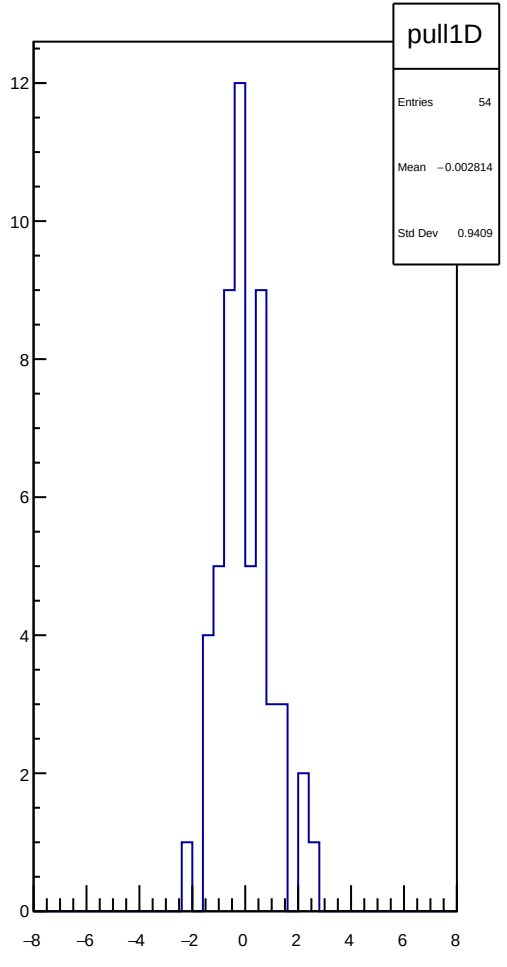

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 353.1 / 53
p0 2239 ± 2.215
2350
2300
2250
2200
2150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

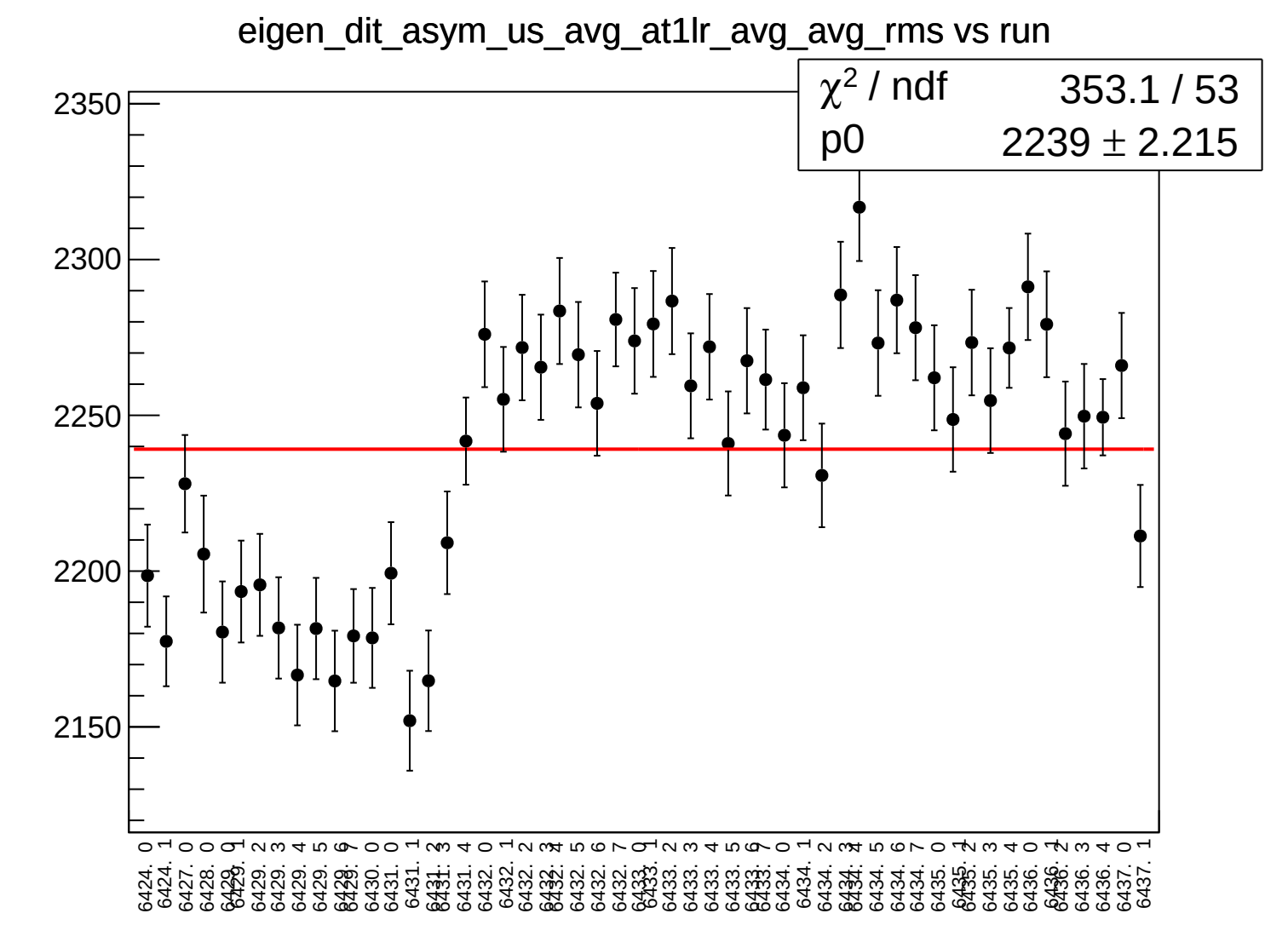

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.71 / 53
p0 −1392 ± 3167
pull
Entries 54
Mean 465.2
Std Dev 0

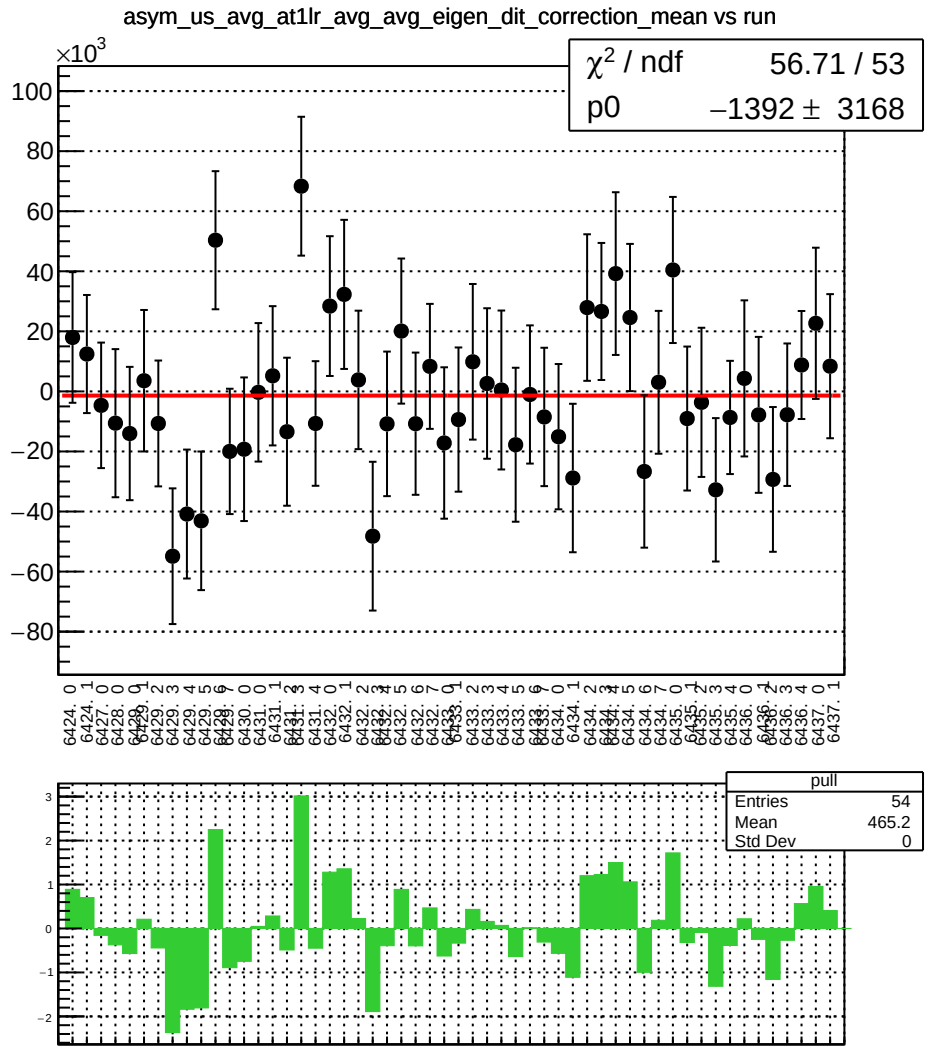

pull1D
Entries 54
Mean 0.003356
Std Dev 1.025

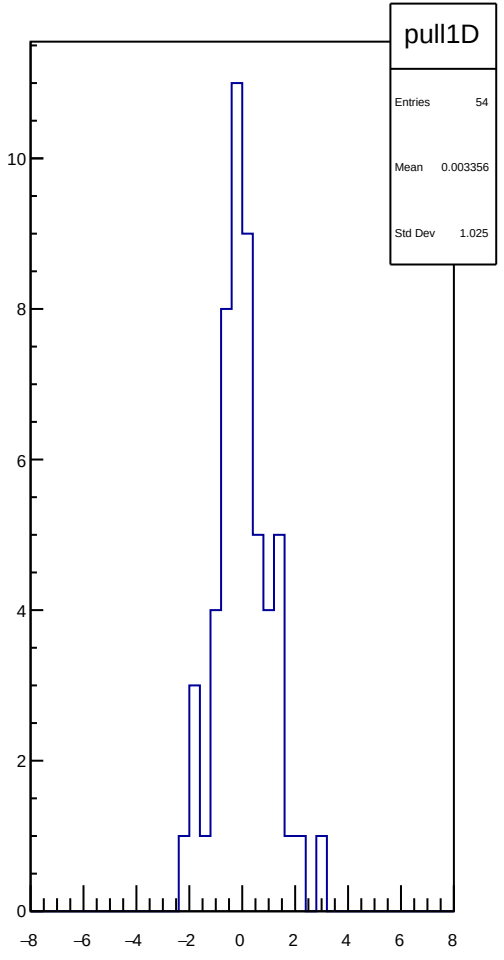

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2945 / 53
p0 2262 ± 2.24
2600
2500
2400
2300
2200
2100
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

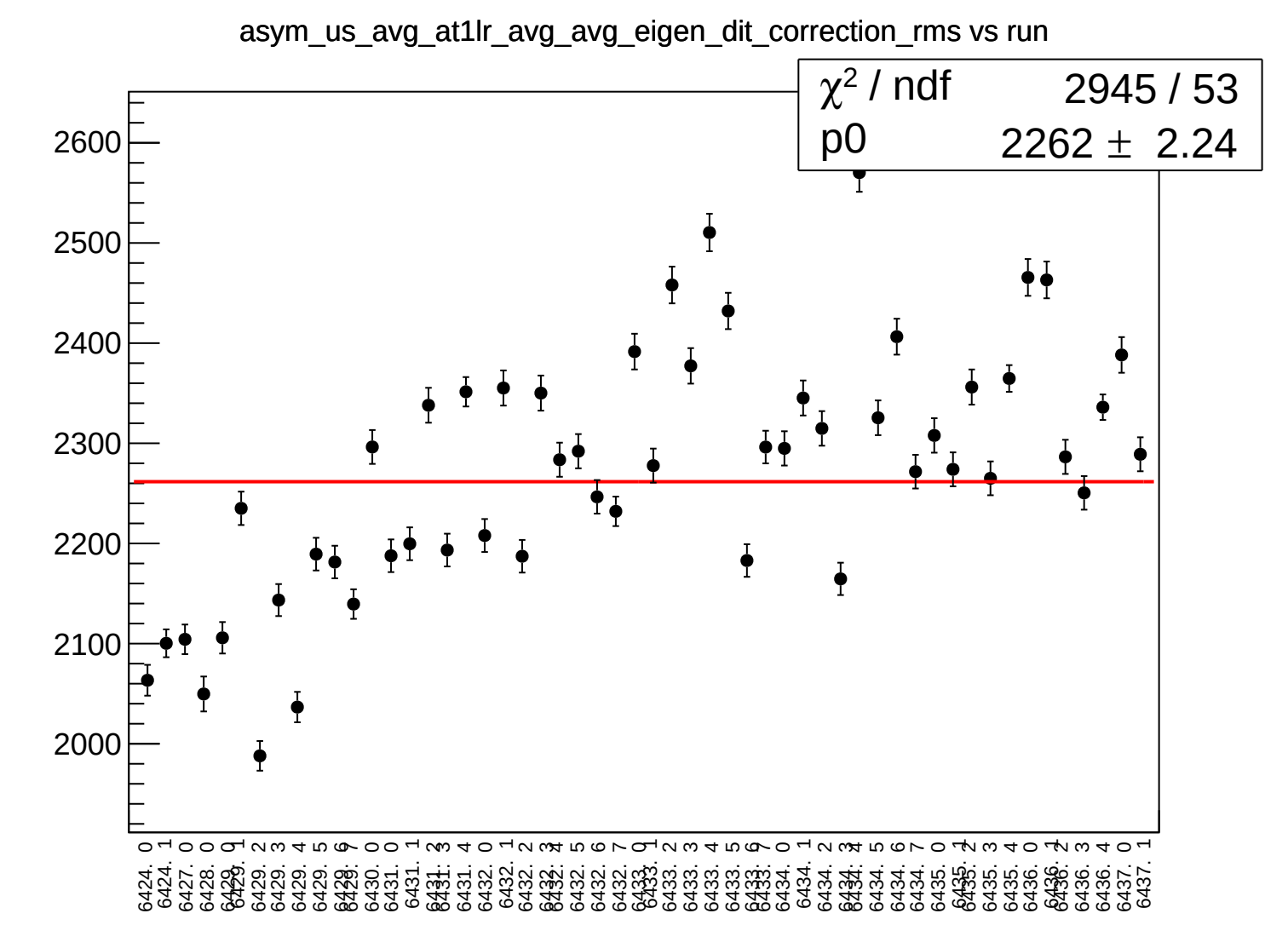

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 47.8 / 53
p0 −9420 ± 3132
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −545.6
Std Dev 0
2
1
0
−1
−2

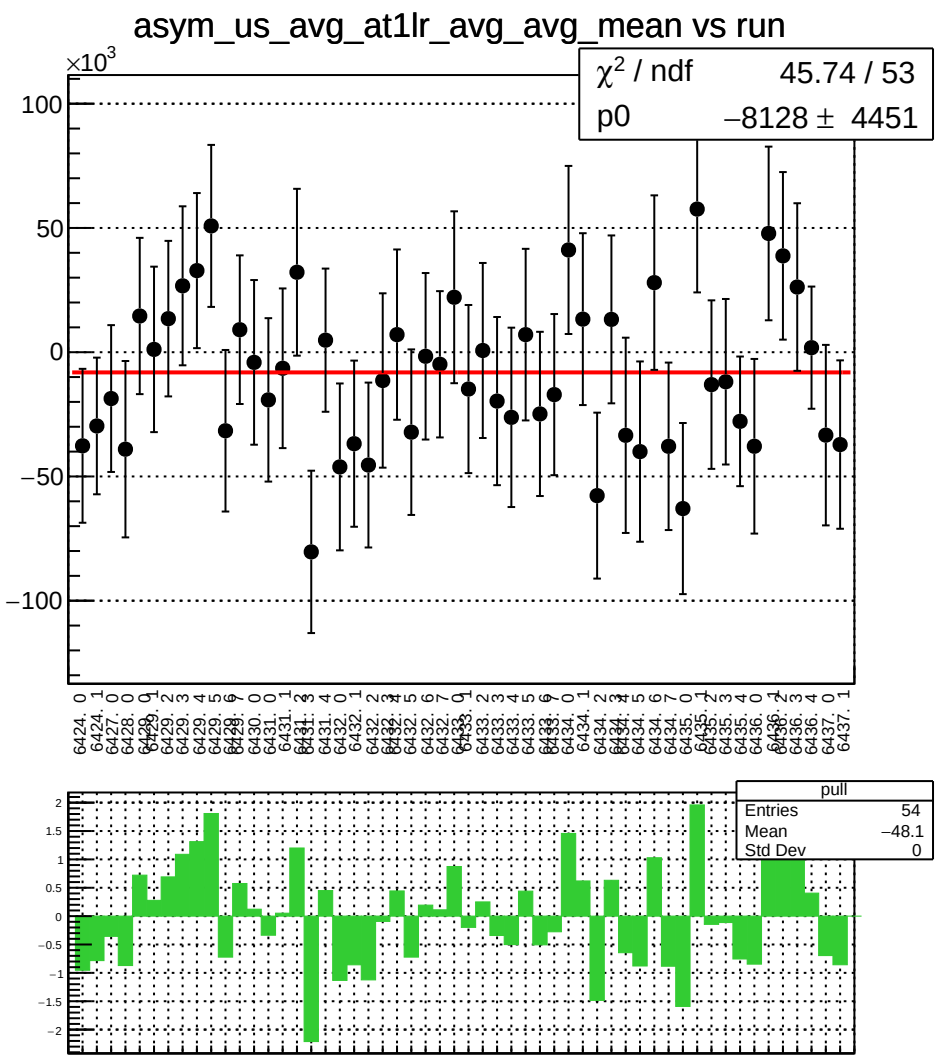

pull1D
Entries 54
Mean −0.002814
Std Dev 0.9409
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

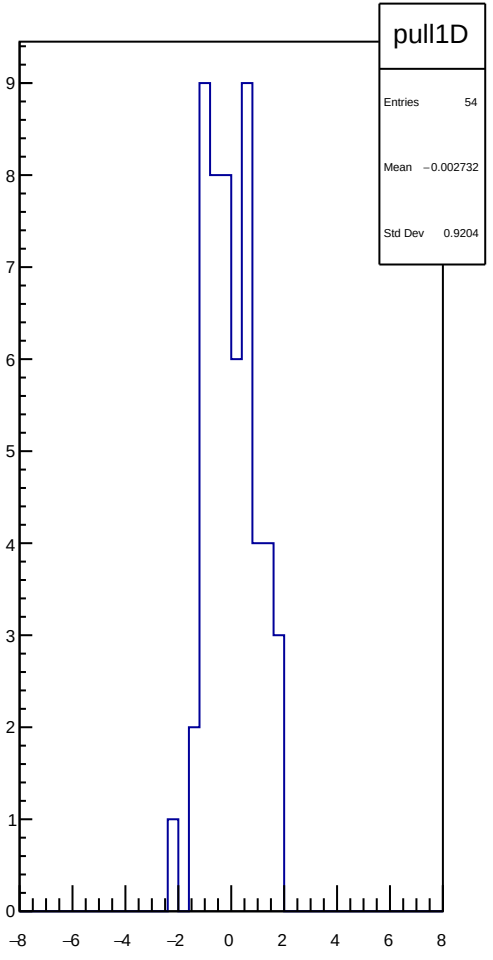

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 353.1 / 53
p0 2239 ± 2.215
2350
2300
2250
2200
2150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

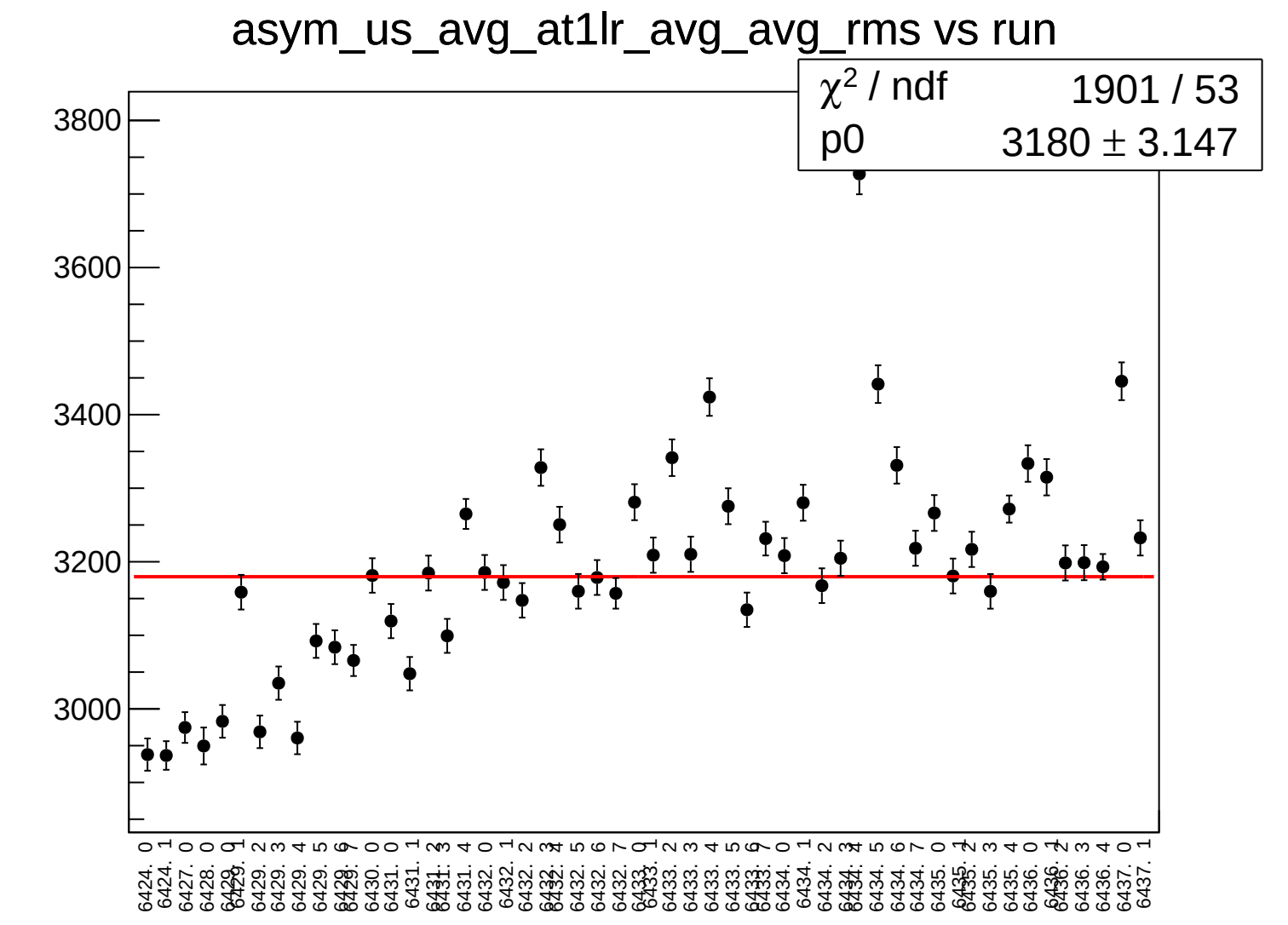

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.71 / 53
p0 −1392 ± 3168
pull
Entries 54
Mean 465.2
Std Dev 0

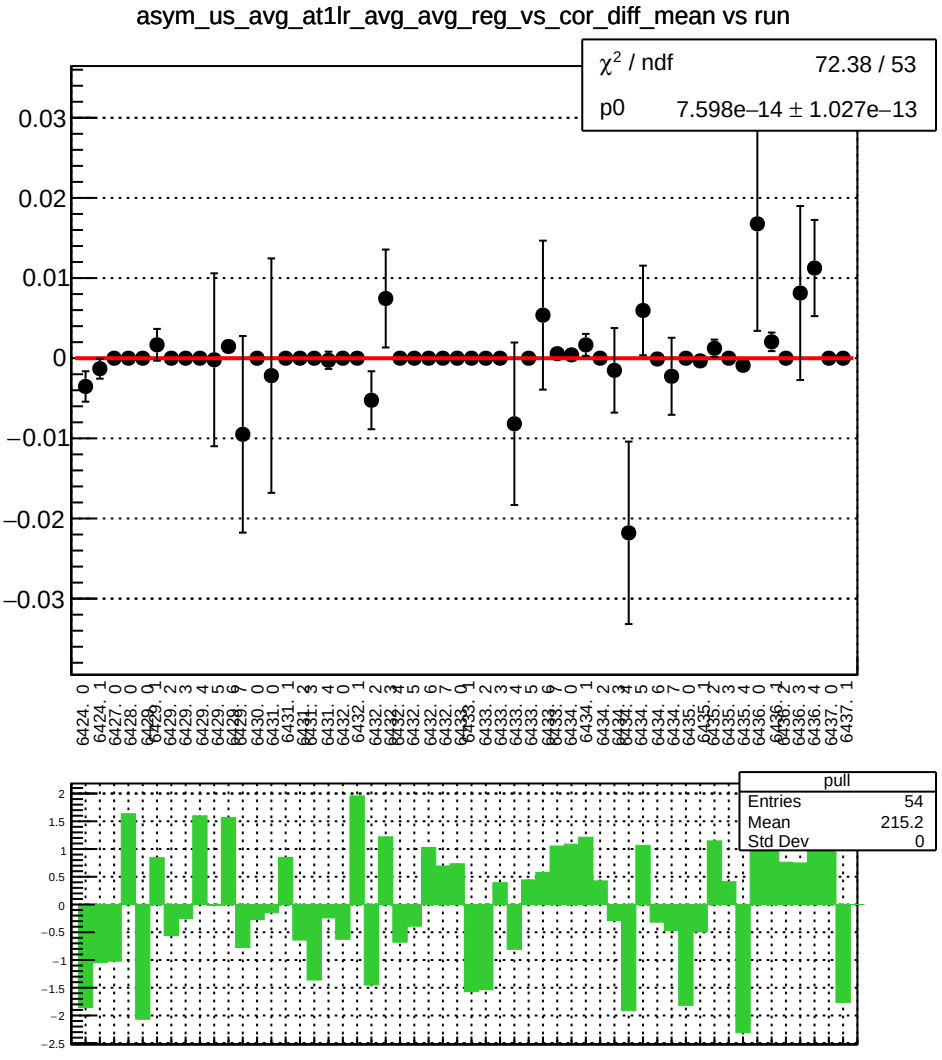

pull1D
Entries 54
Mean 0.003356
Std Dev 1.025

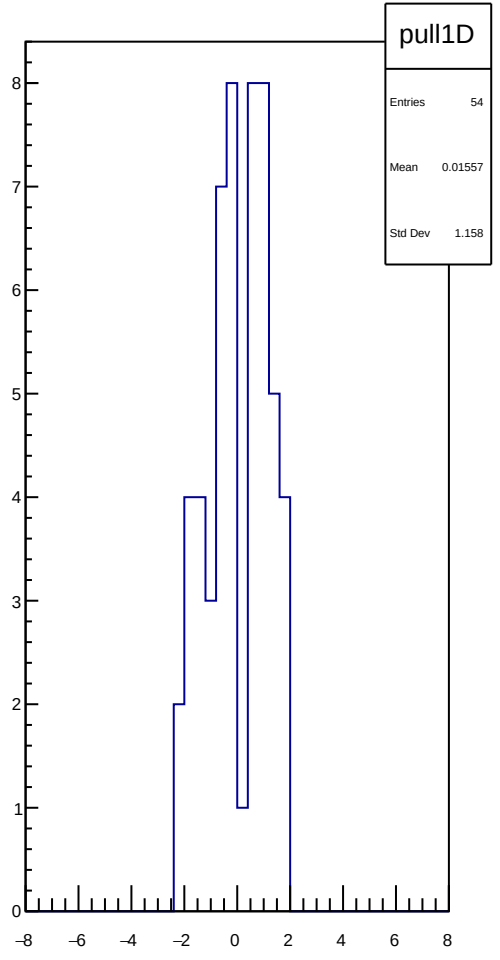

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2945 / 53
p0 2262 ± 2.24
2600
2500
2400
2300
2200
2100
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

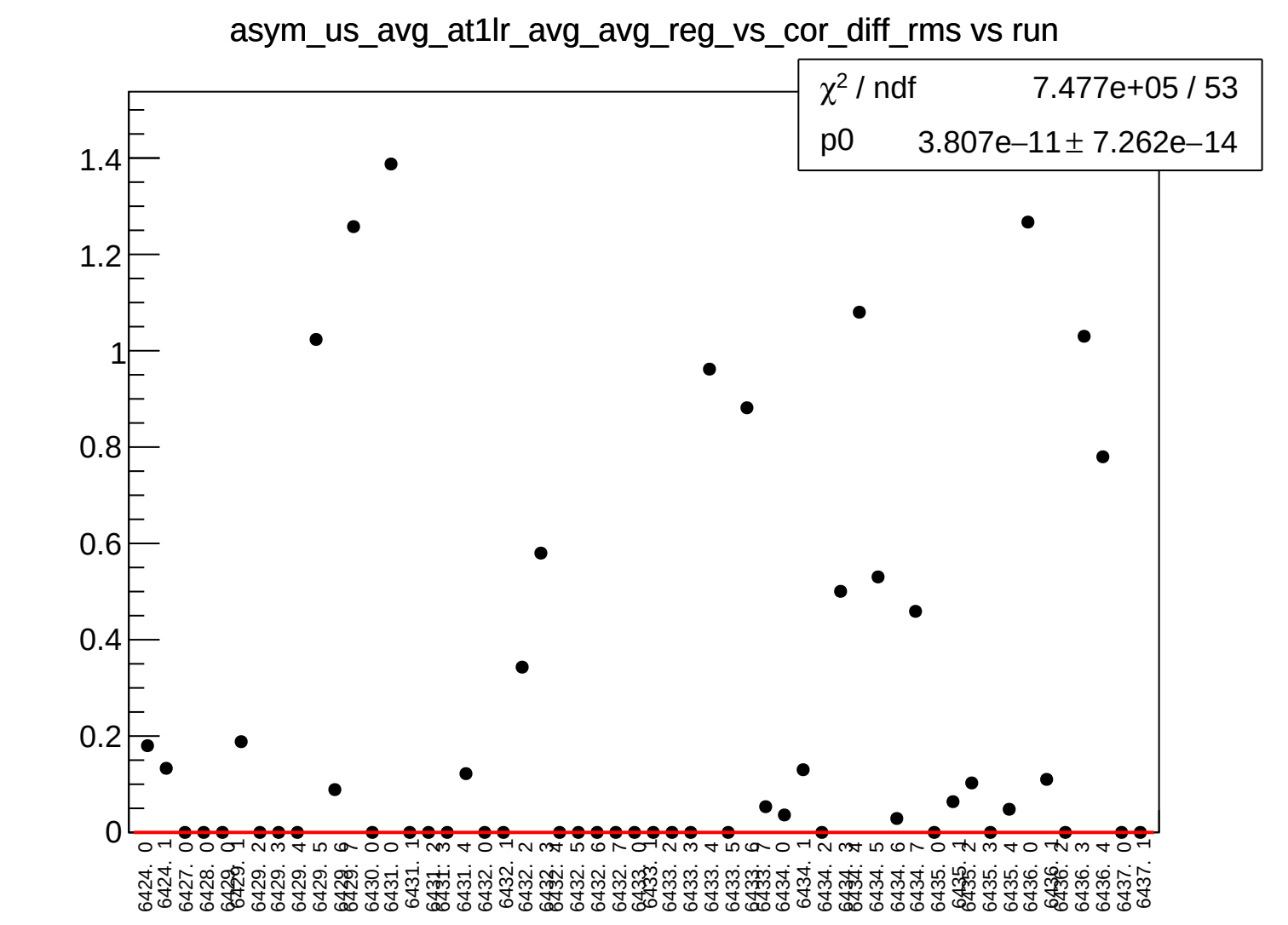

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 45.74 / 53
p0 −8128 ± 4451
100
50
0
−50
−100
pull
Entries 54
Mean −48.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

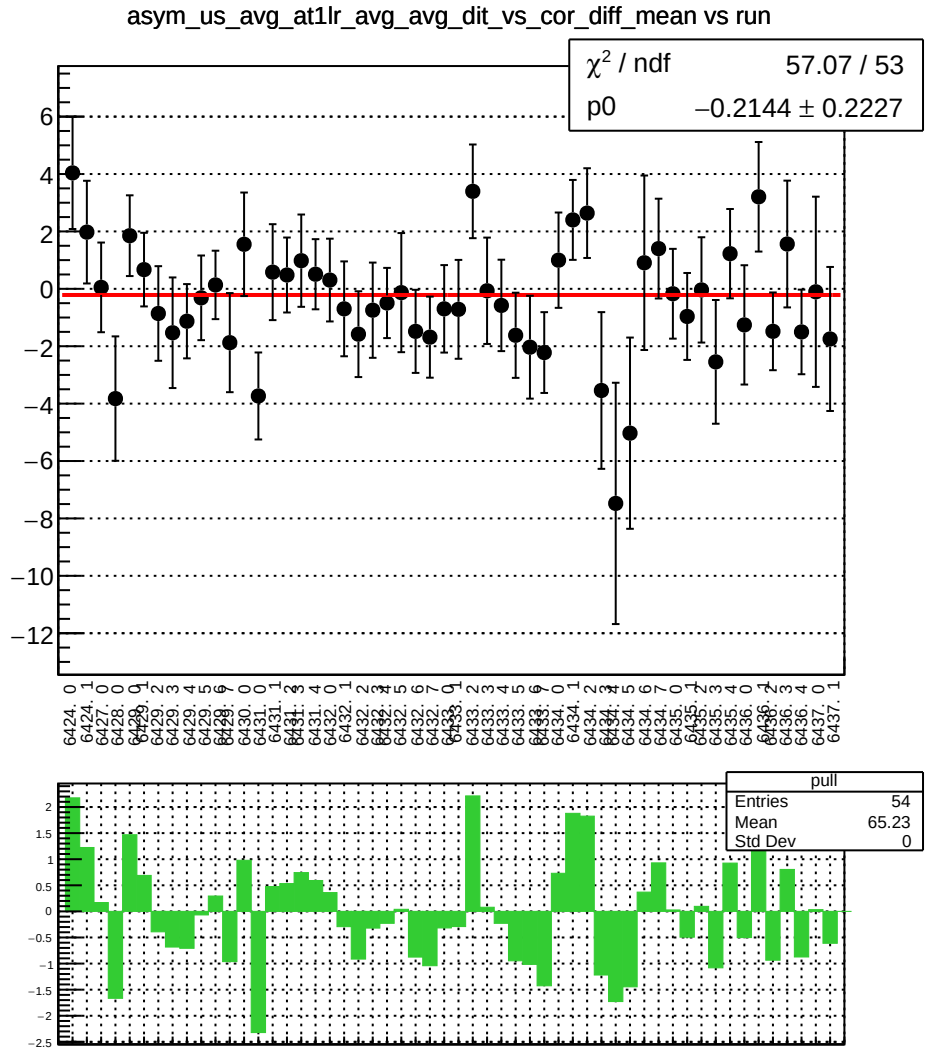

pull1D
Entries 54
Mean −0.002732
Std Dev 0.9204
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

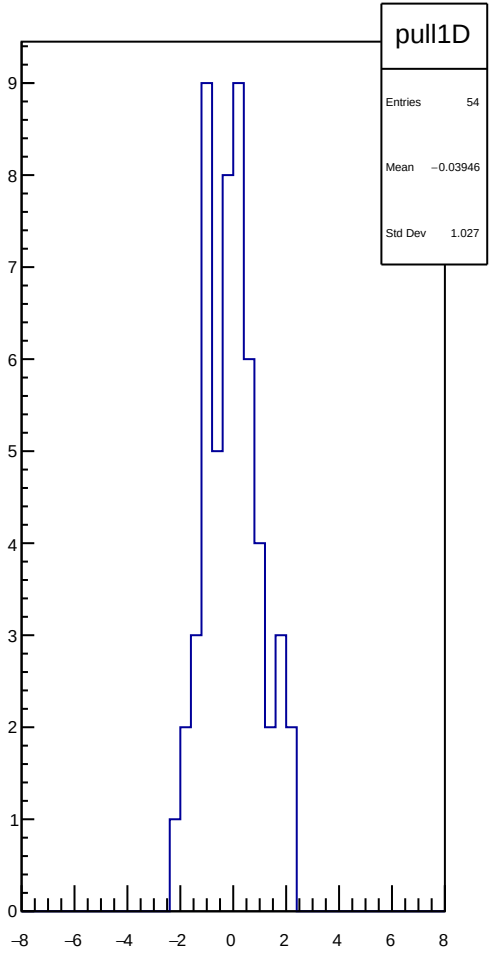

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1901 / 53
p0 3180 ± 3.147
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

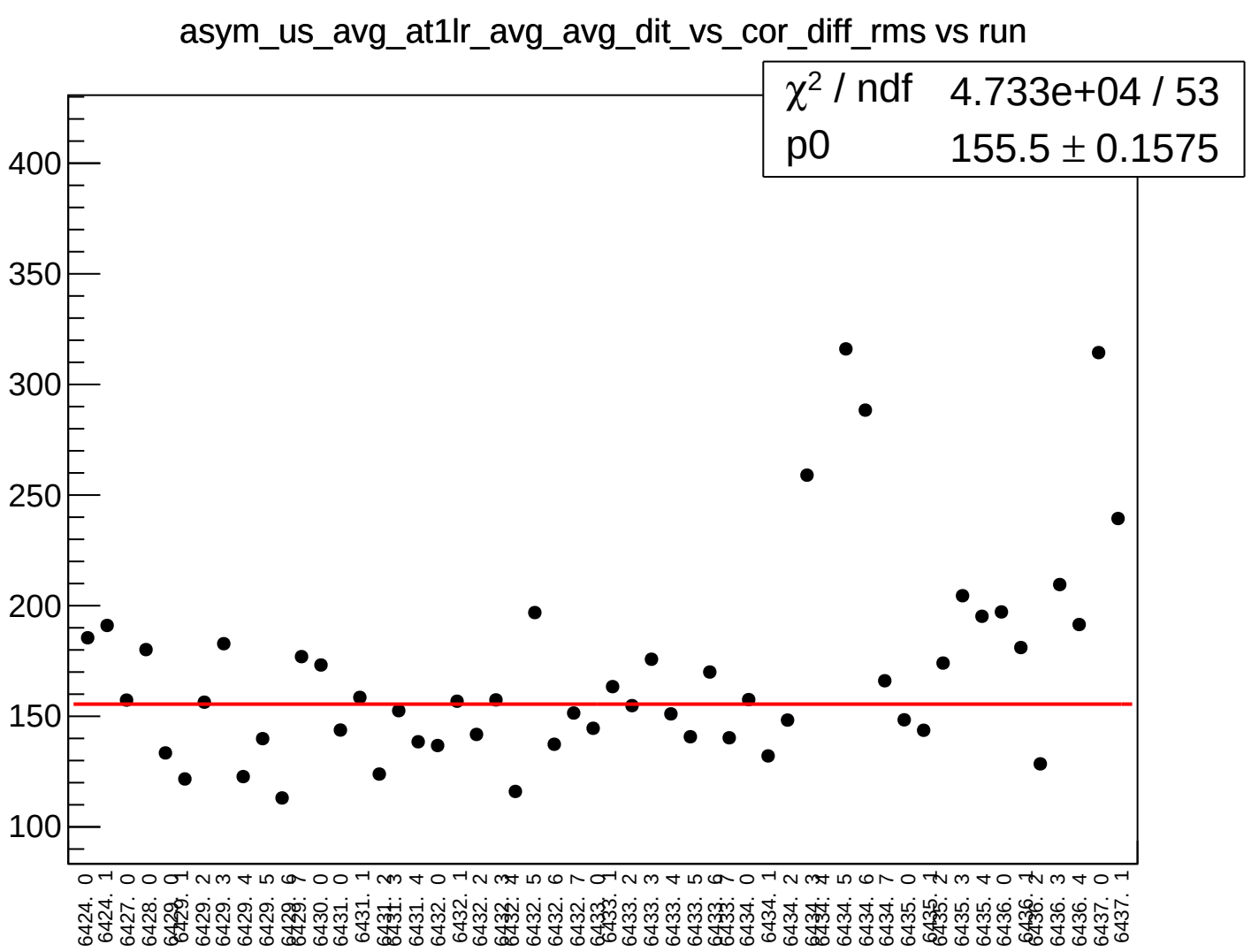

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.38 / 53
p0 7.598e−14 ± 1.027e−13
pull
Entries 54
Mean 215.2
Std Dev 0

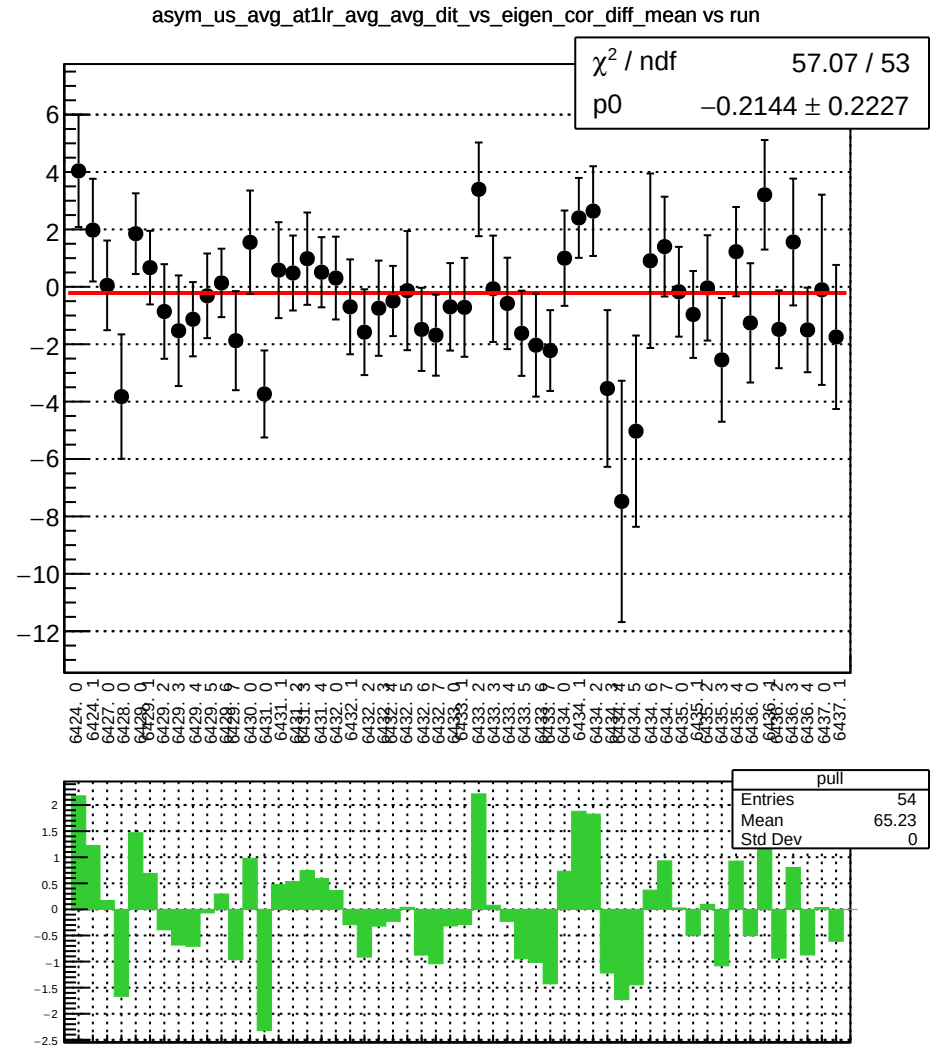

pull1D
Entries 54
Mean 0.01557
Std Dev 1.158

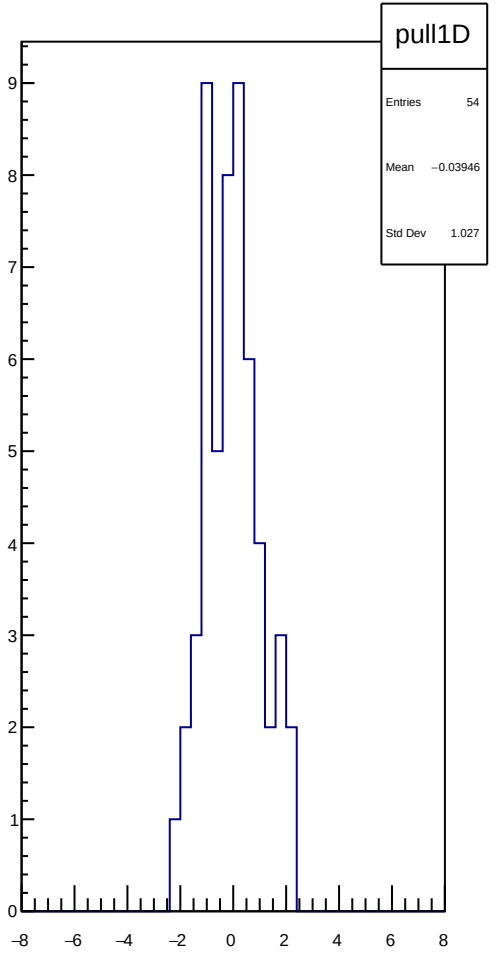

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.477e+05 / 53
p0 3.807e−11 ± 7.262e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

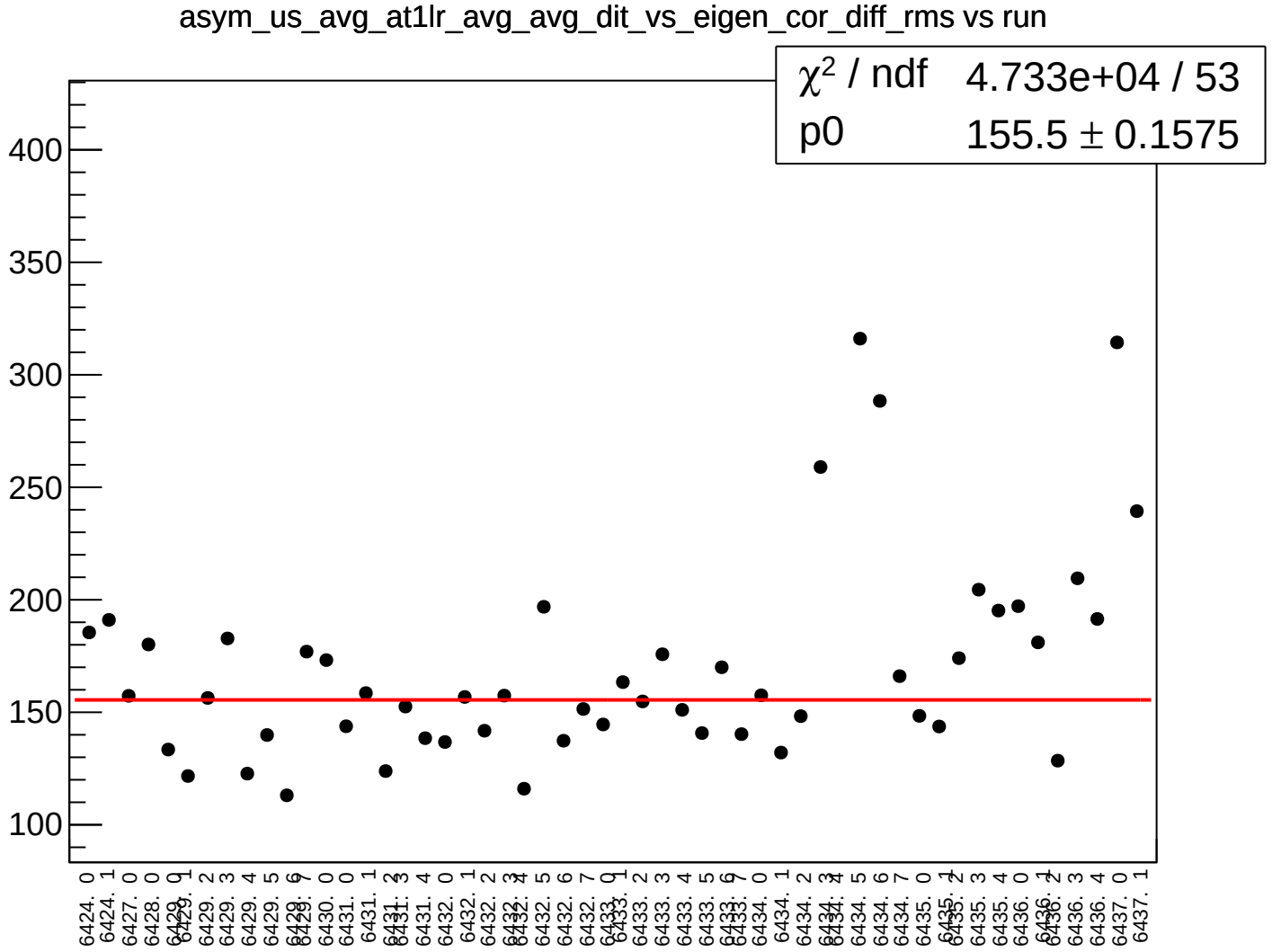

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.07 / 53
p0 −0.2144 ± 0.2227
pull
Entries 54
Mean 65.23
Std Dev 0


pull1D
Entries 54
Mean −0.03946
Std Dev 1.027


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.733e+04 / 53
p0 155.5 ± 0.1575
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.07 / 53
p0 −0.2144 ± 0.2227
pull
Entries 54
Mean 65.23
Std Dev 0


pull1D
Entries 54
Mean −0.03946
Std Dev 1.027


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.733e+04 / 53
p0 155.5 ± 0.1575
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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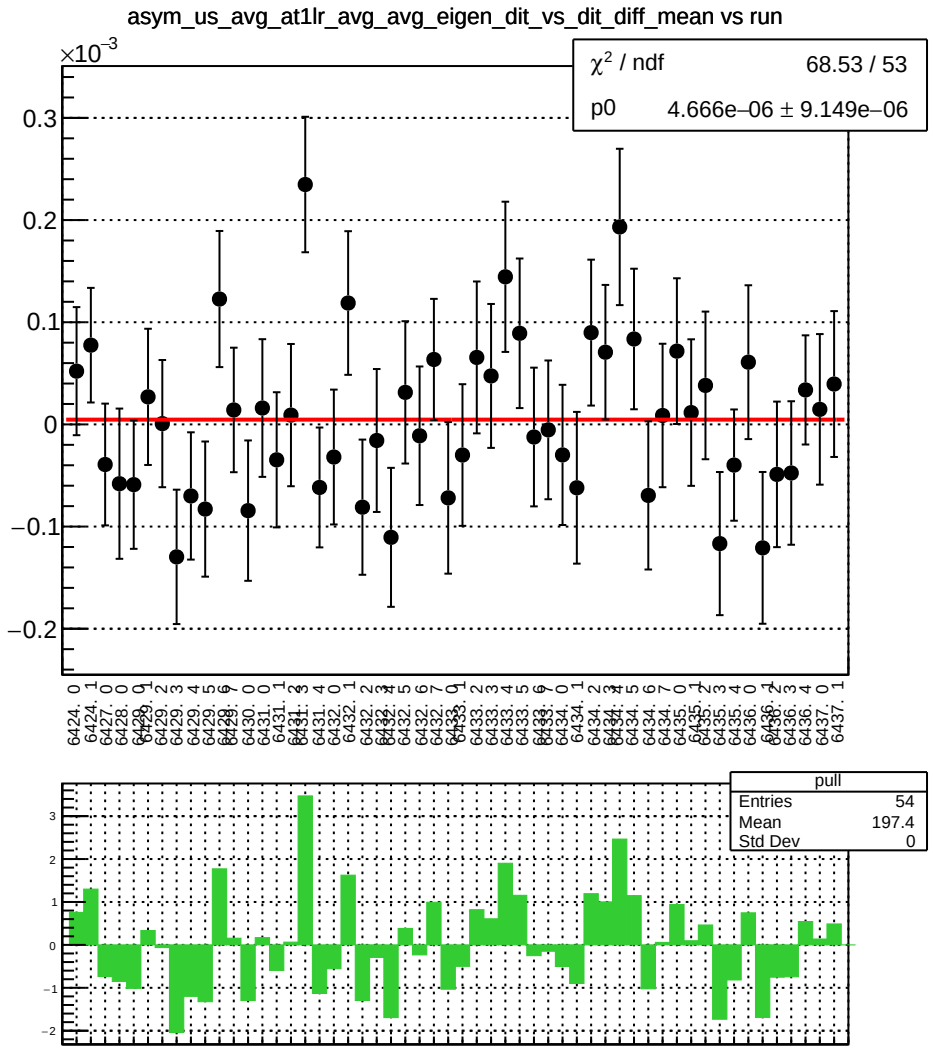
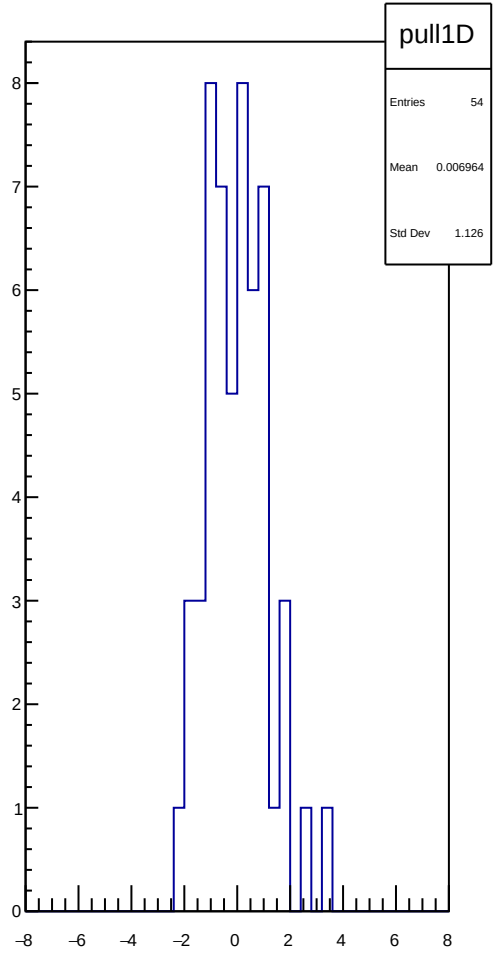
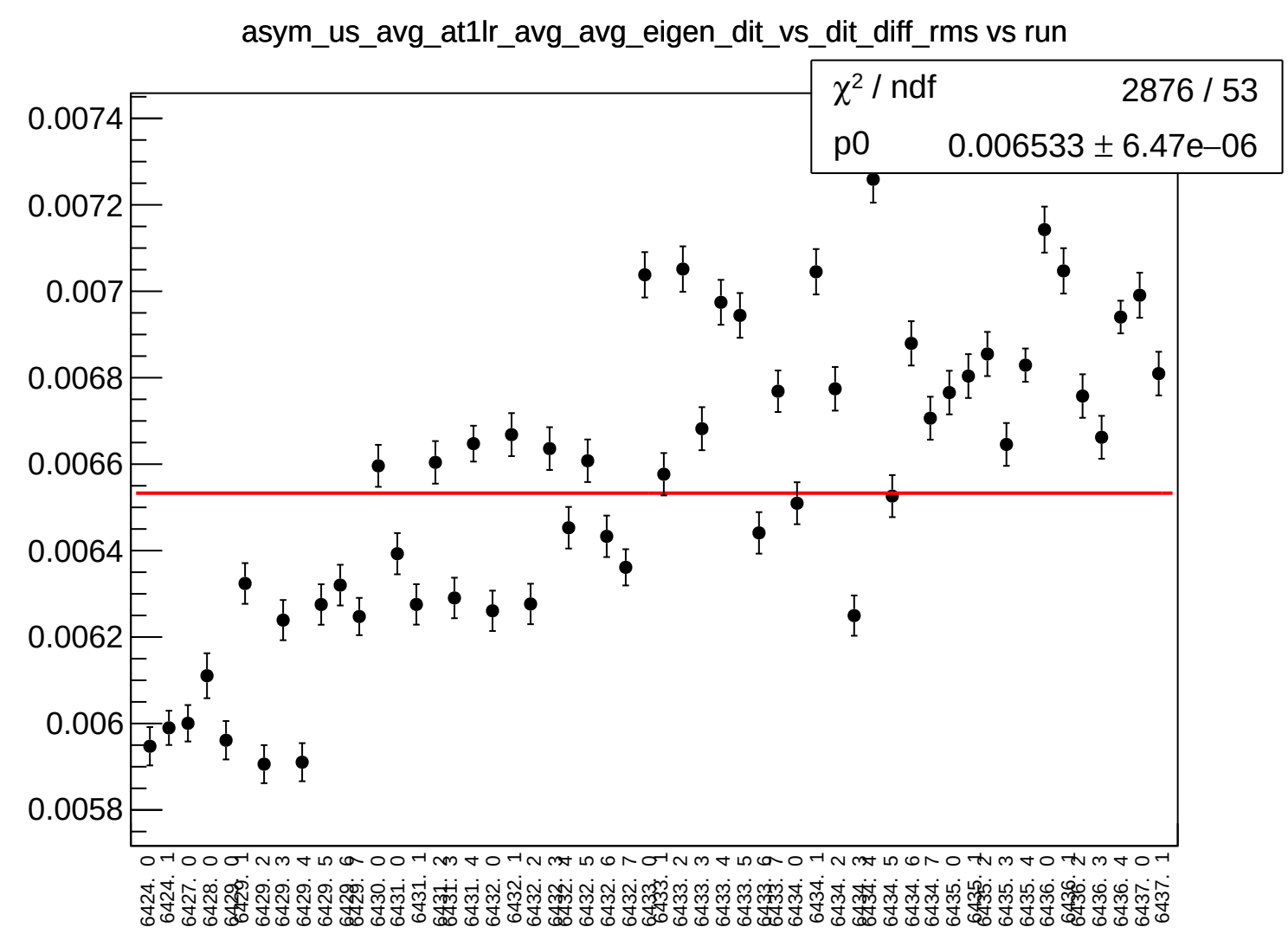
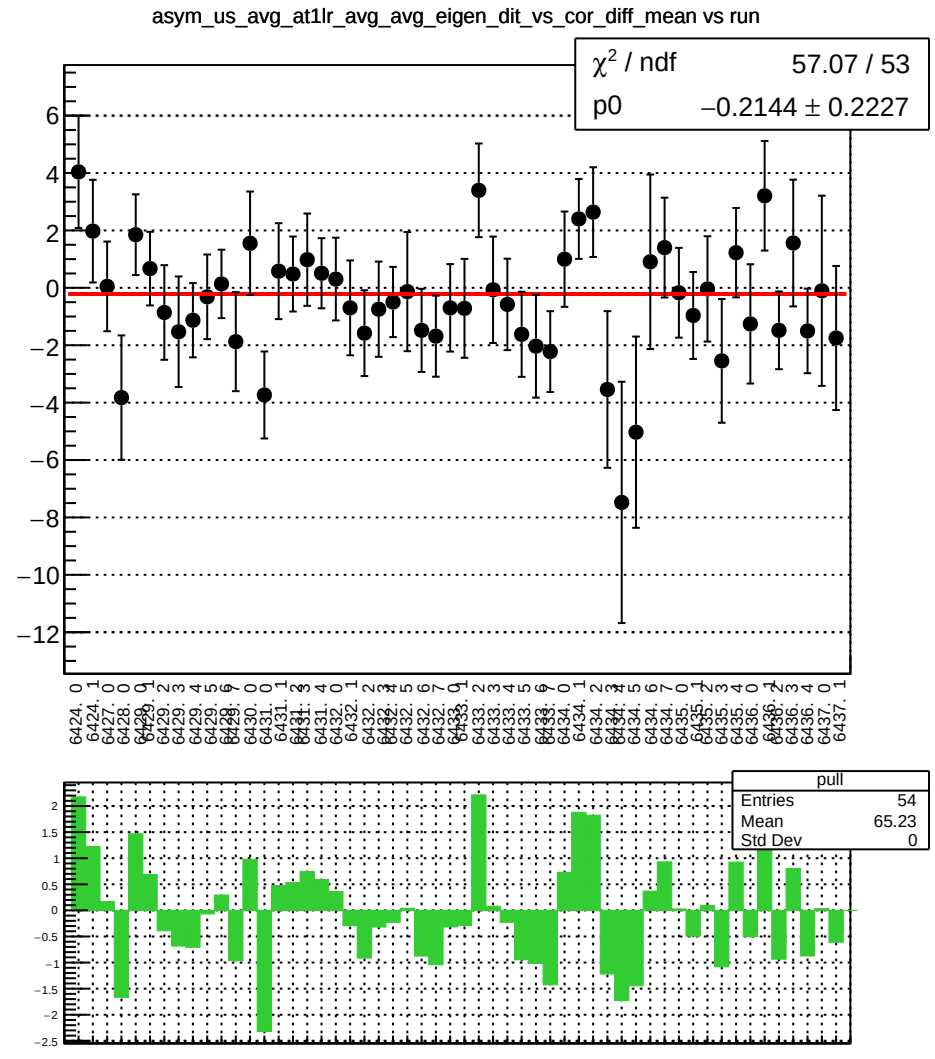
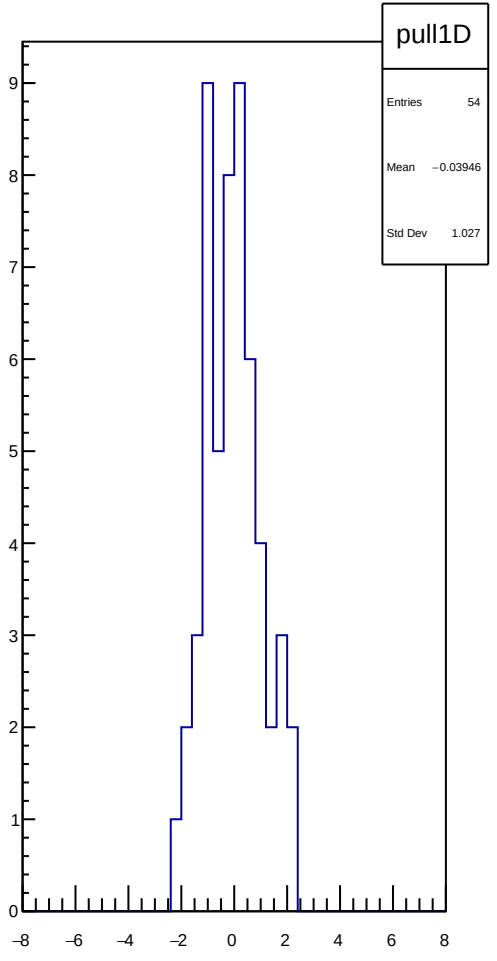
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

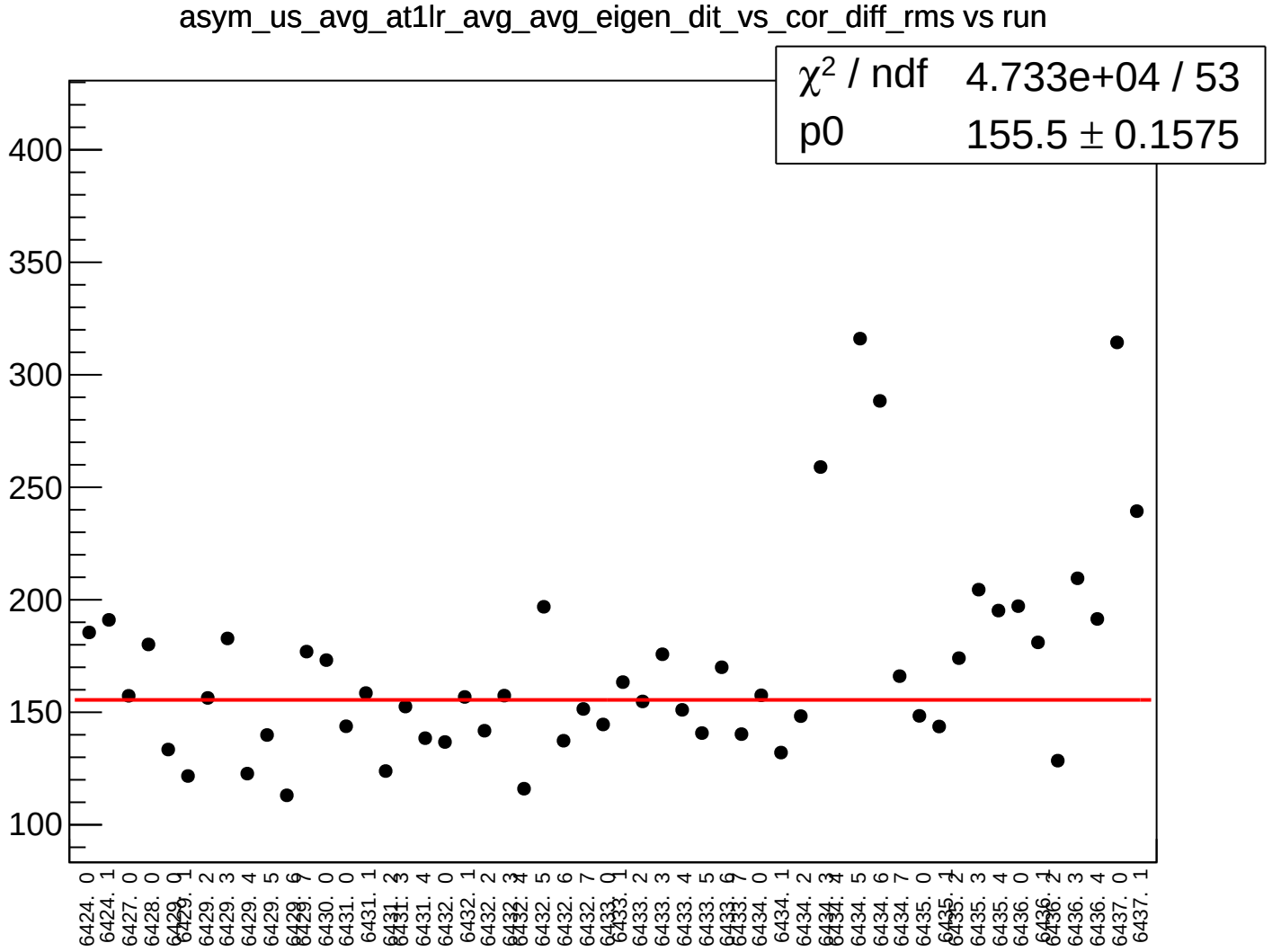

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.53 / 53
p0 4.666e−06 ± 9.149e−06
pull
Entries 54
Mean 197.4
Std Dev 0

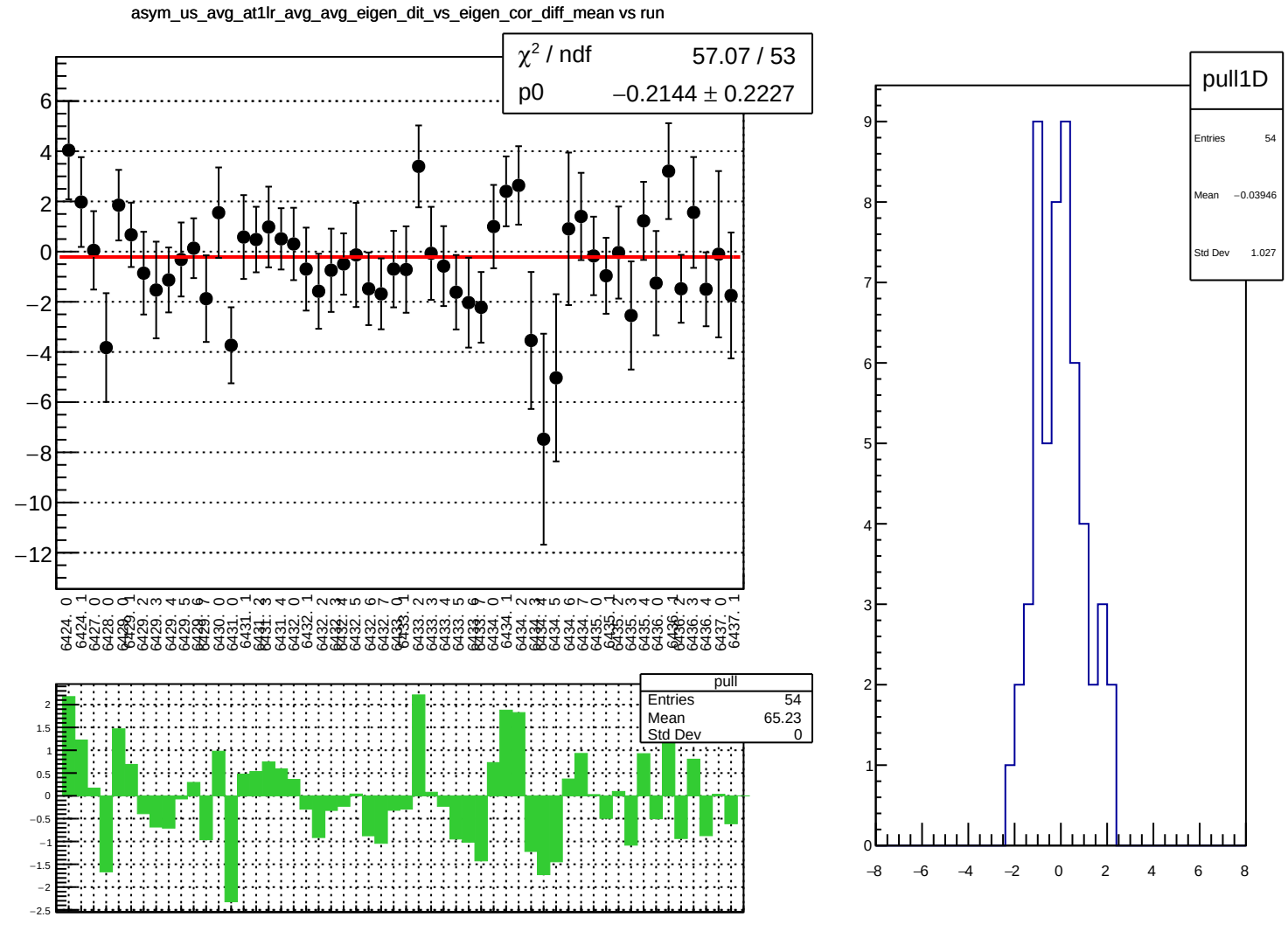

pull1D
Entries 54
Mean 0.006964
Std Dev 1.126

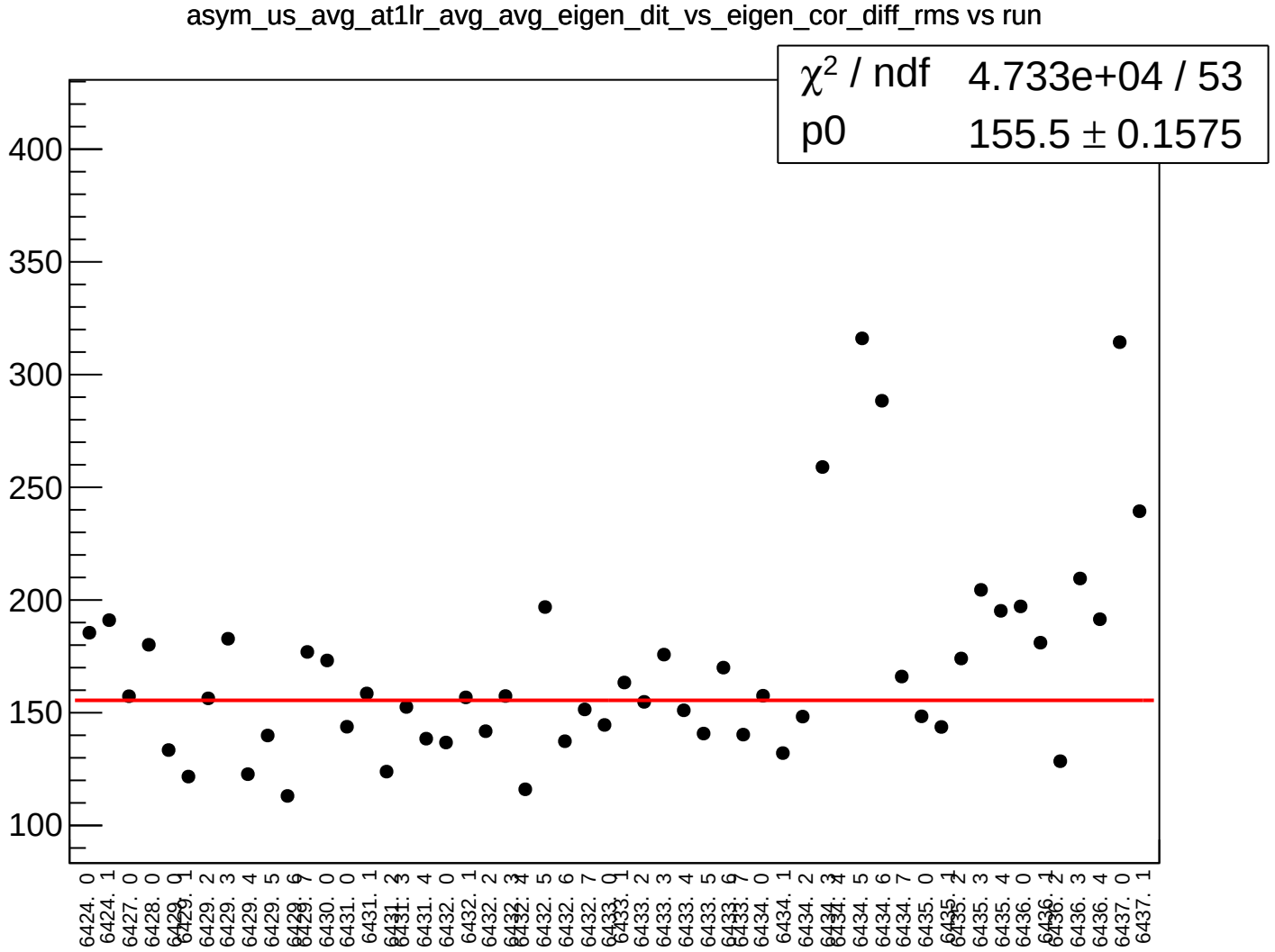

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2876 / 53
p0 0.006533 ± 6.47e–06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

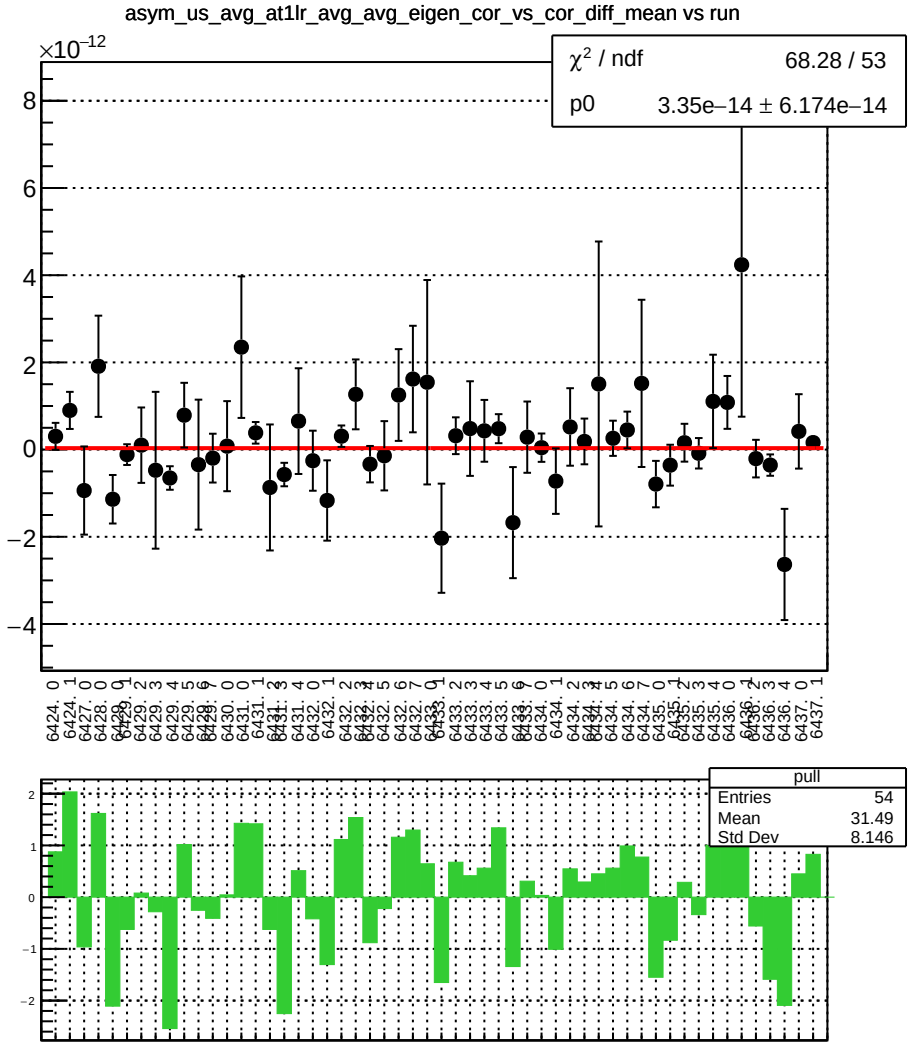

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.07 / 53
p0 −0.2144 ± 0.2227
pull
Entries 54
Mean 65.23
Std Dev 0

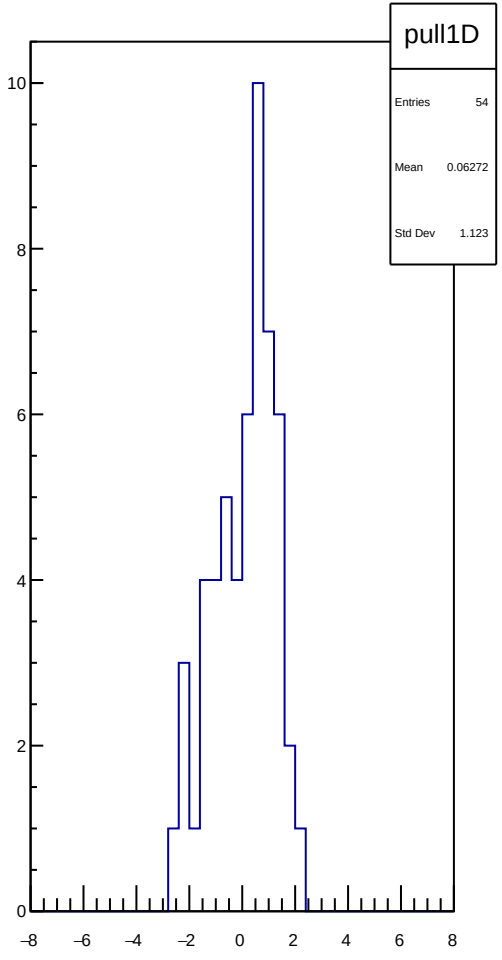

pull1D
Entries 54
Mean −0.03946
Std Dev 1.027

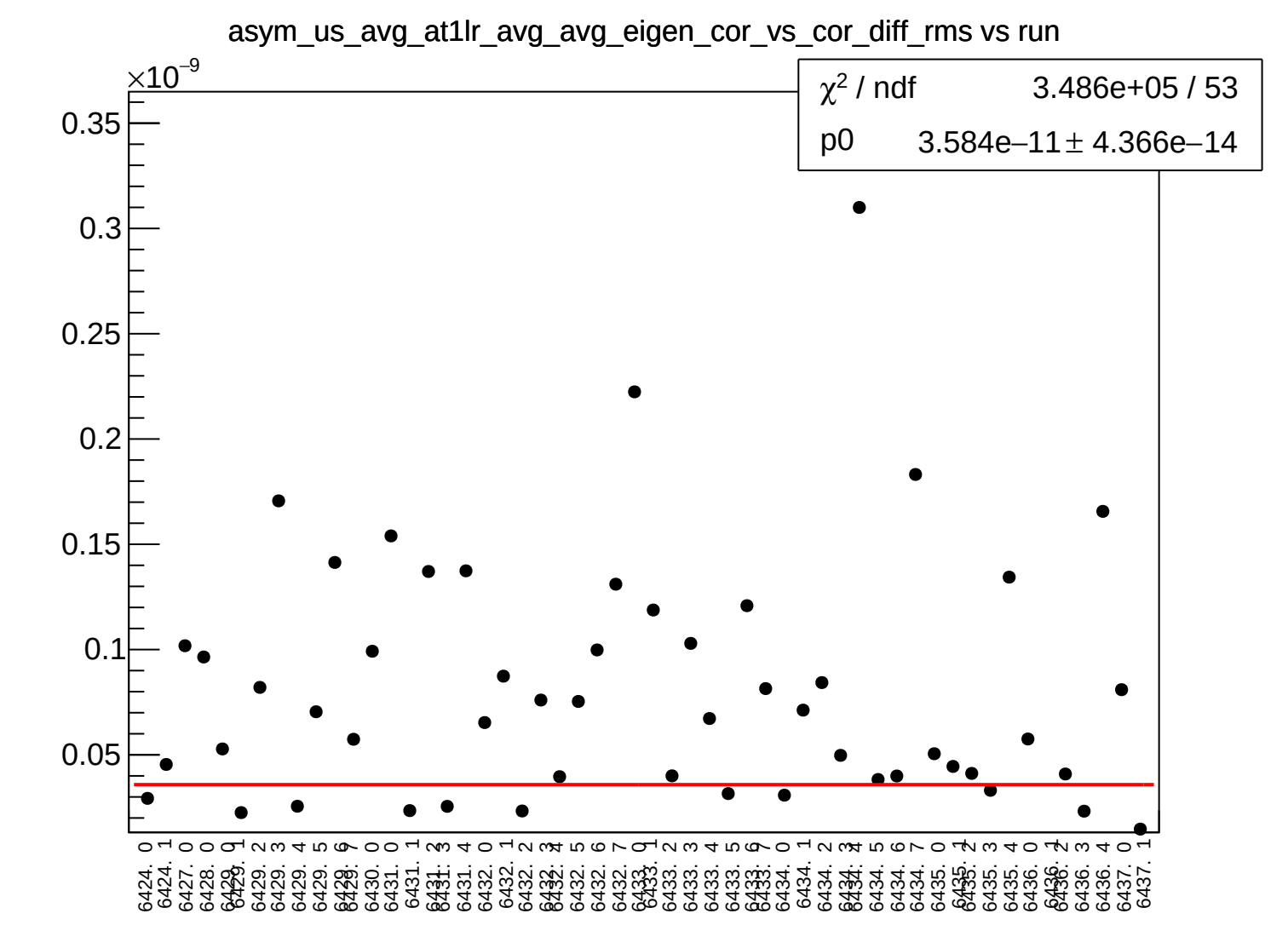

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.733e+04 / 53
p0 155.5 ± 0.1575
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

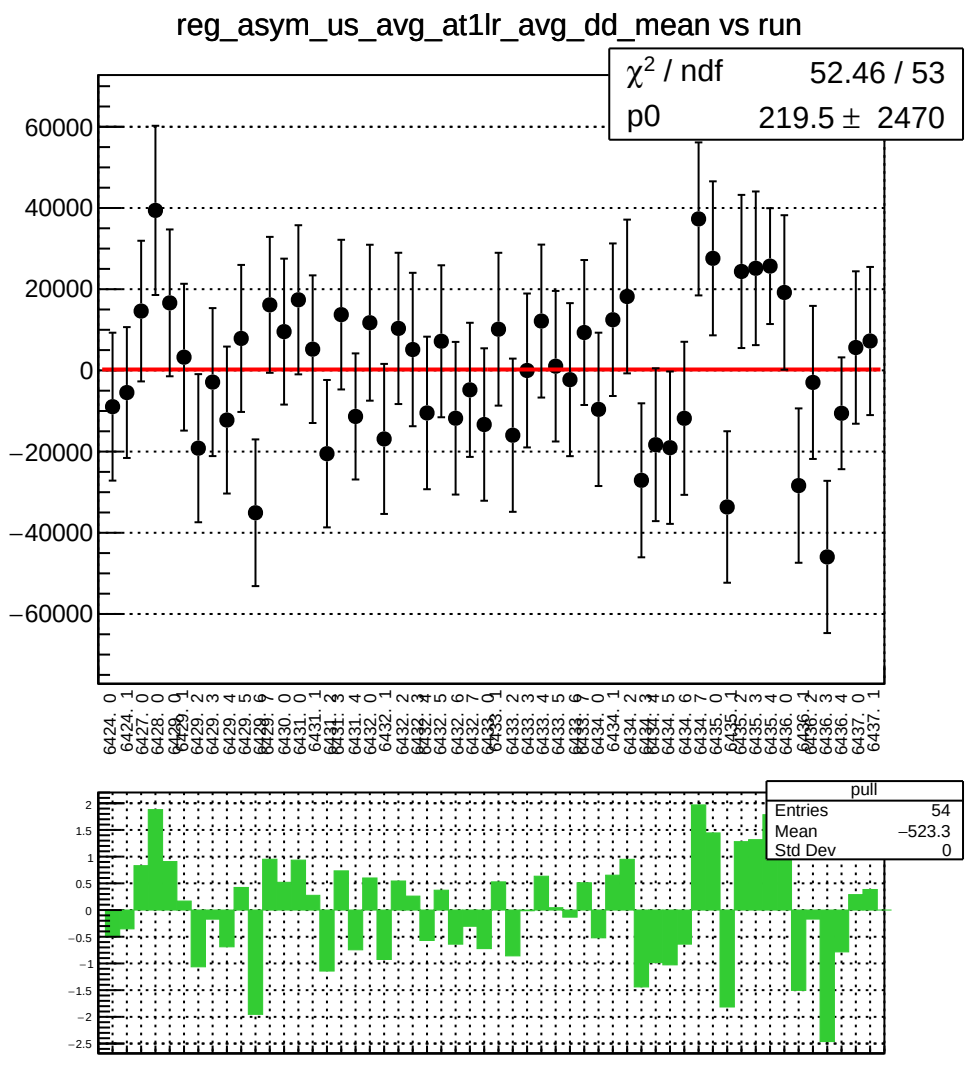

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.07 / 53
p0 −0.2144 ± 0.2227
pull
Entries 54
Mean 65.23
Std Dev 0
pull1D
Entries 54
Mean −0.03946
Std Dev 1.027

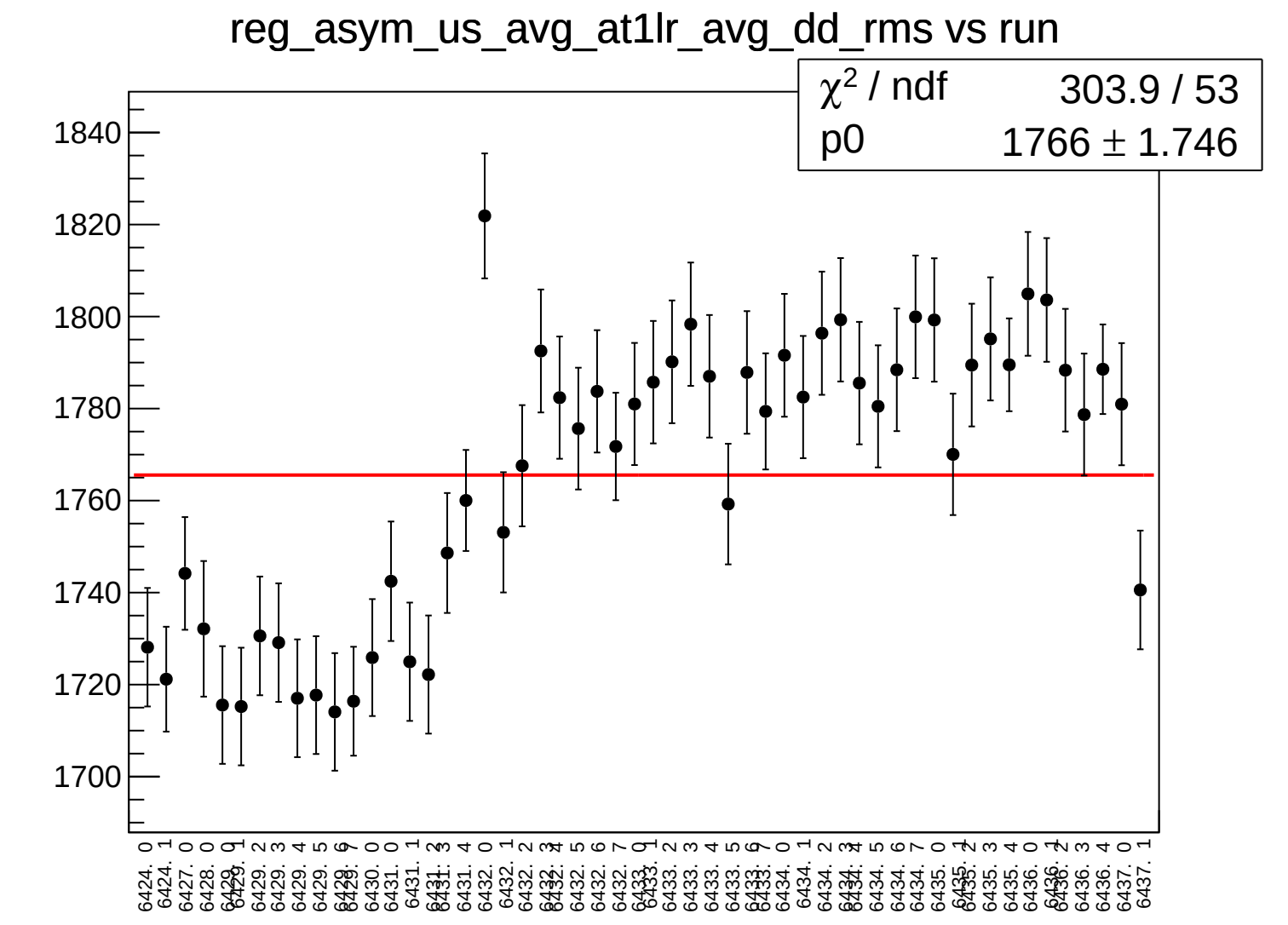

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.733e+04 / 53
p0 155.5 ± 0.1575
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

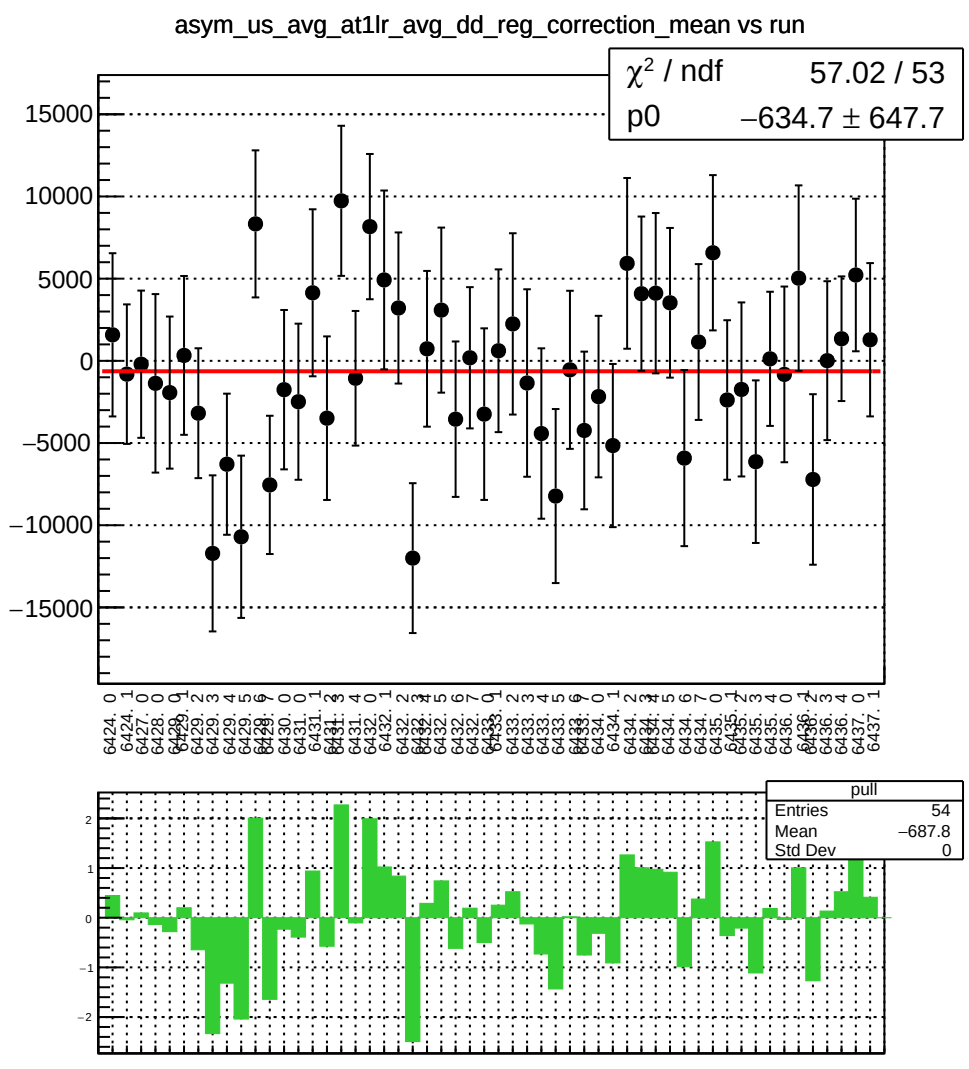

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.28 / 53
p0 3.35e−14 ± 6.174e−14
pull
Entries 54
Mean 31.49
Std Dev 8.146

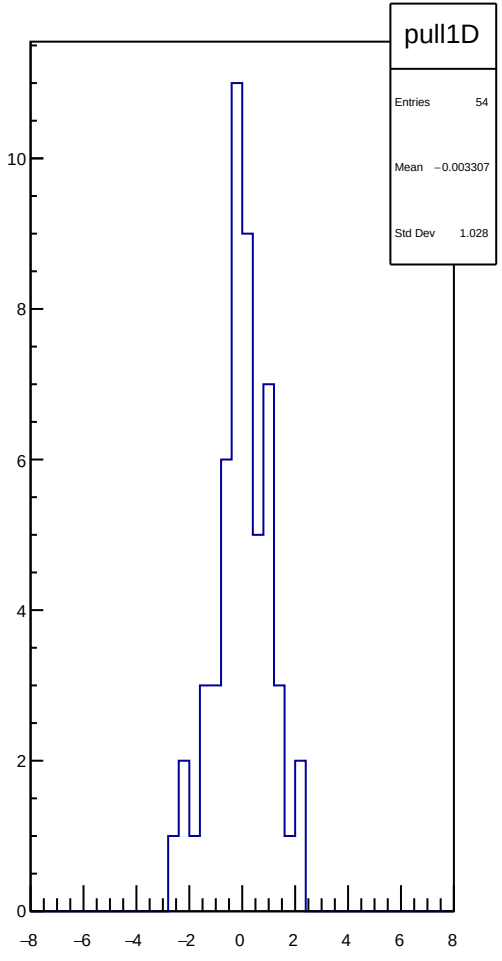

pull1D
Entries 54
Mean 0.06272
Std Dev 1.123

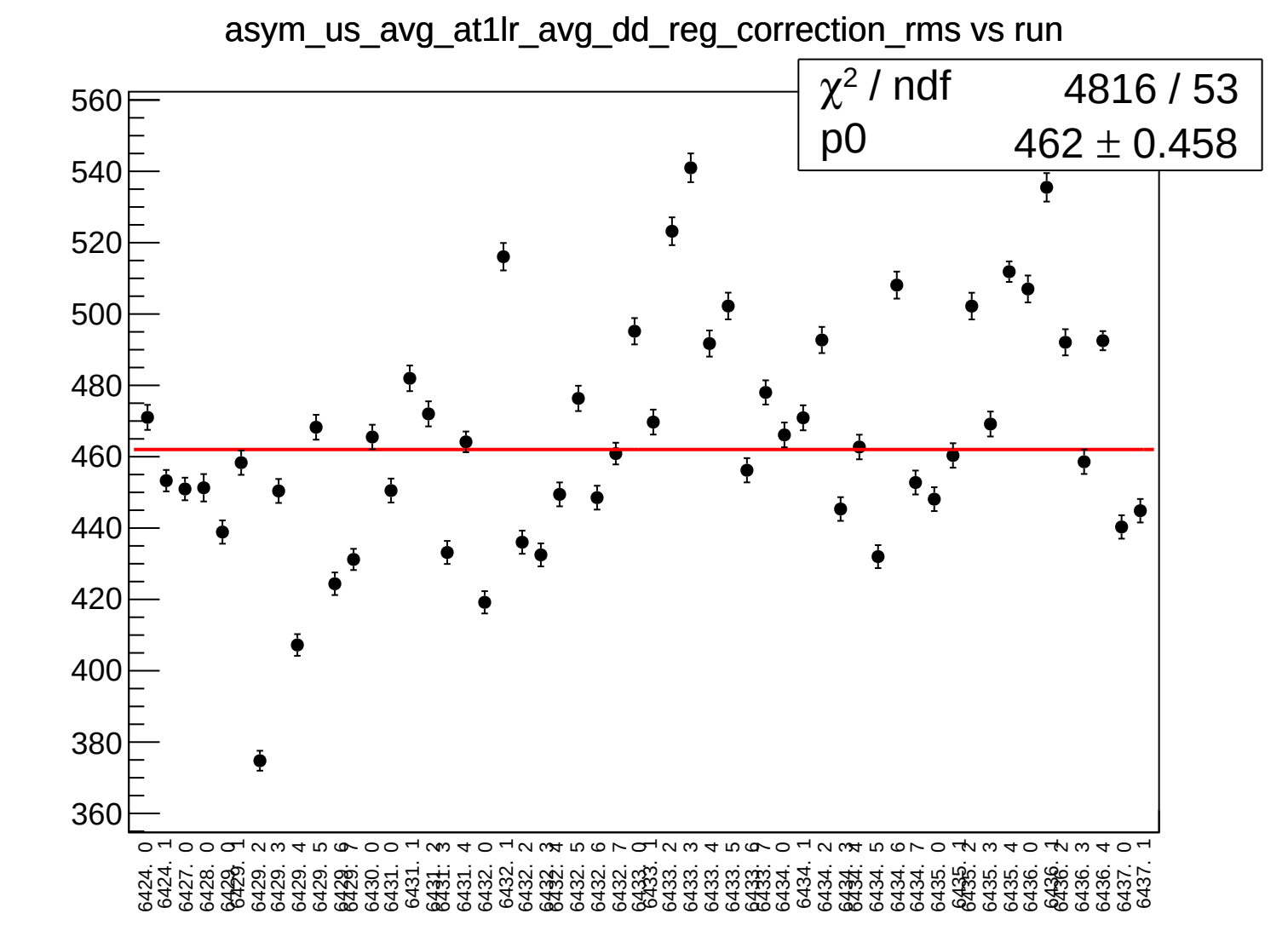

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.486e+05 / 53
p0 3.584e−11 ± 4.366e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

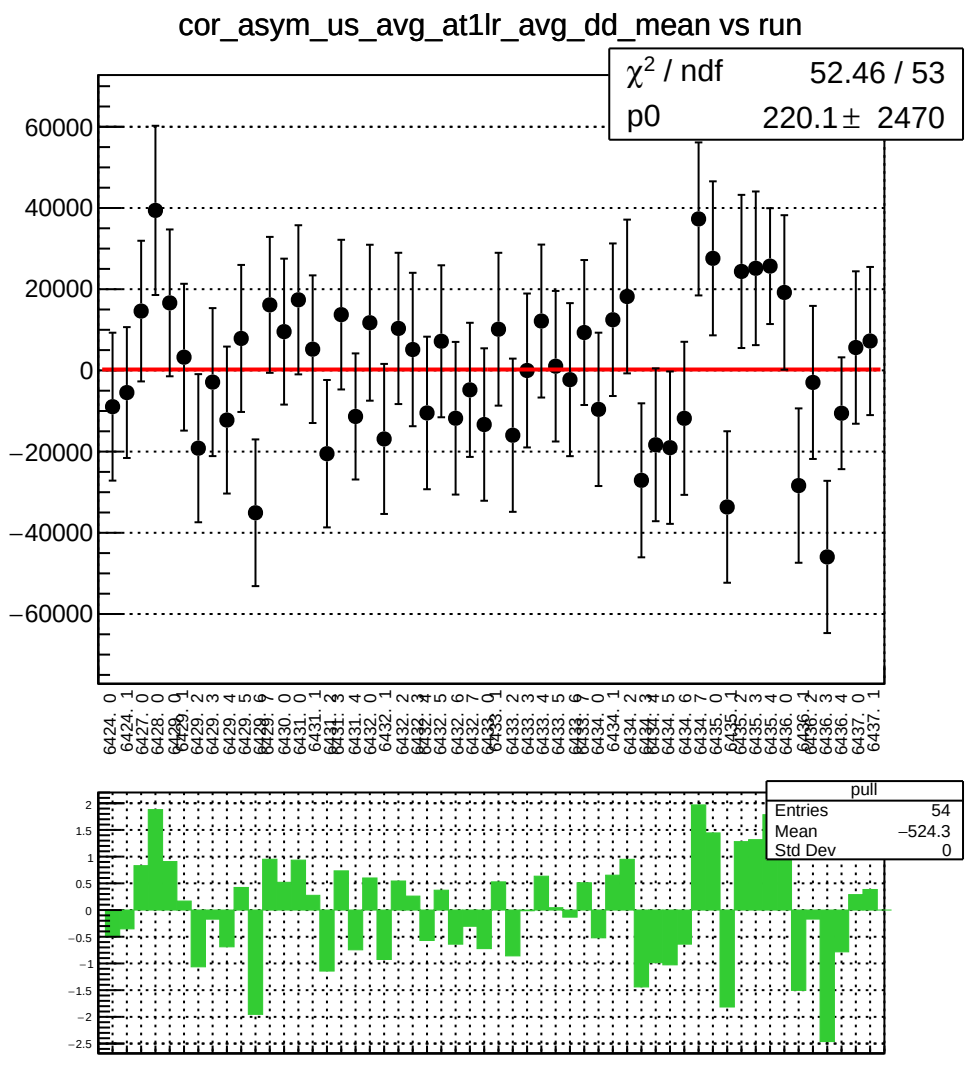

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.46 / 53
p0 219.5 ± 2470
pull
Entries 54
Mean −523.3
Std Dev 0
pull1D
Entries 54
Mean 0.001171
Std Dev 0.9856

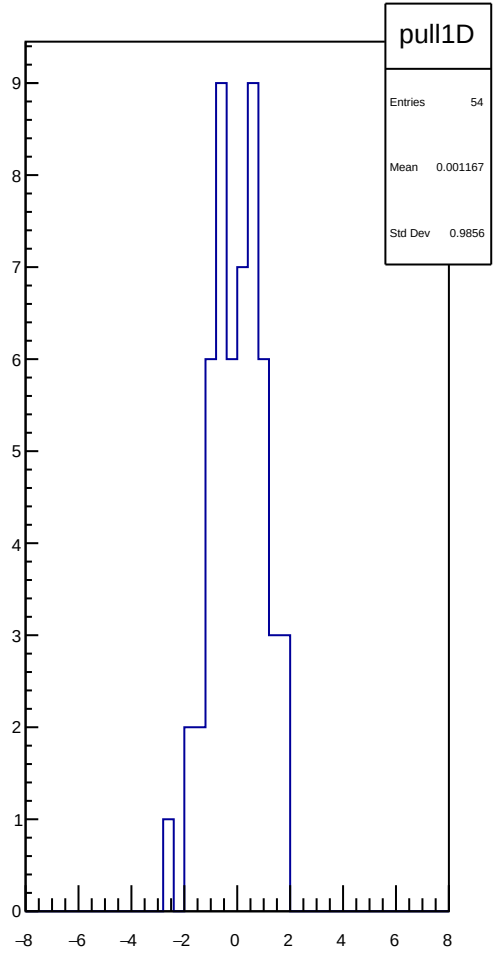

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 303.9 / 53
p0 1766 ± 1.746
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

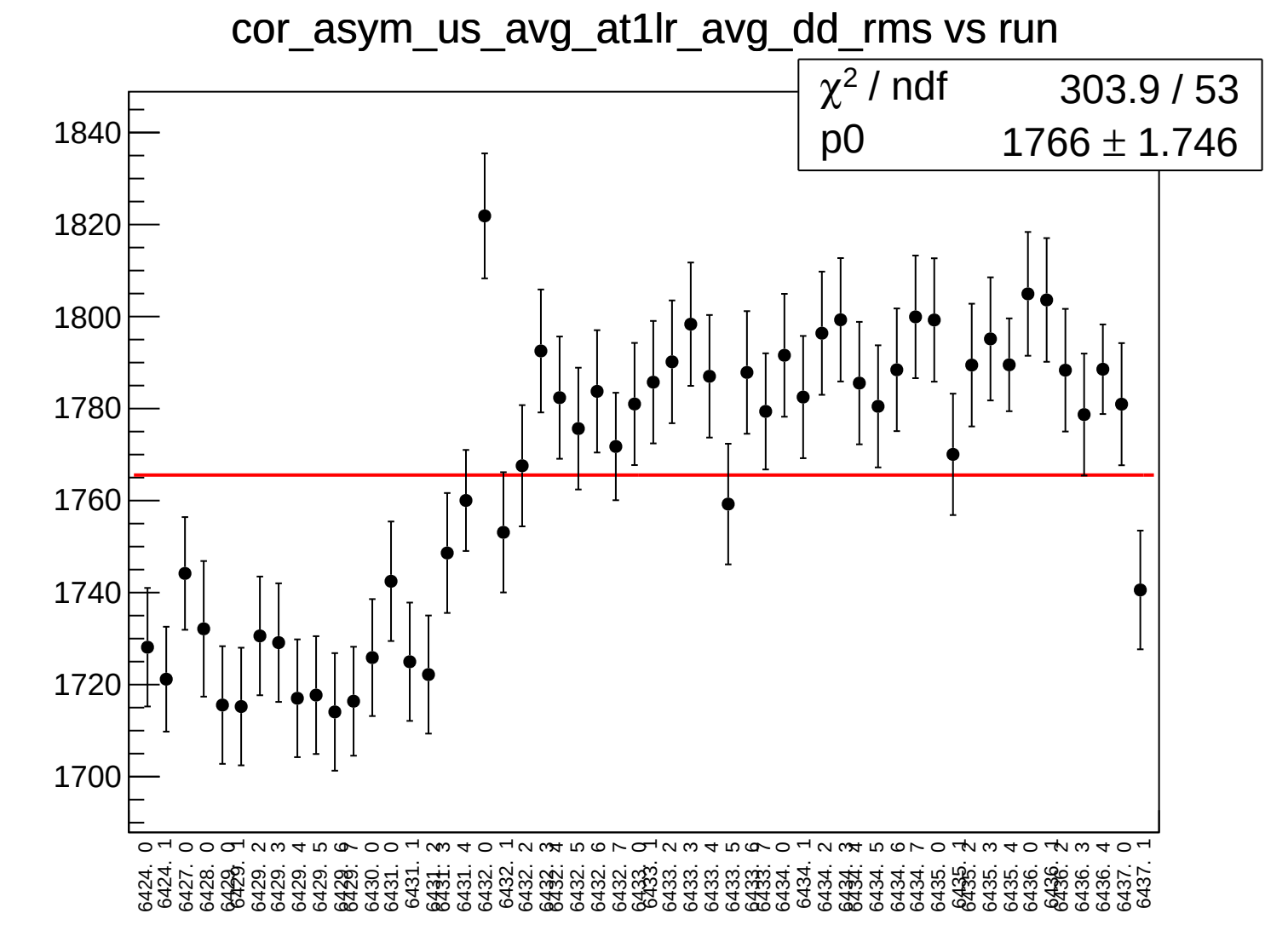

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 57.02 / 53
p0 −634.7 ± 647.7
pull
Entries 54
Mean −687.8
Std Dev 0

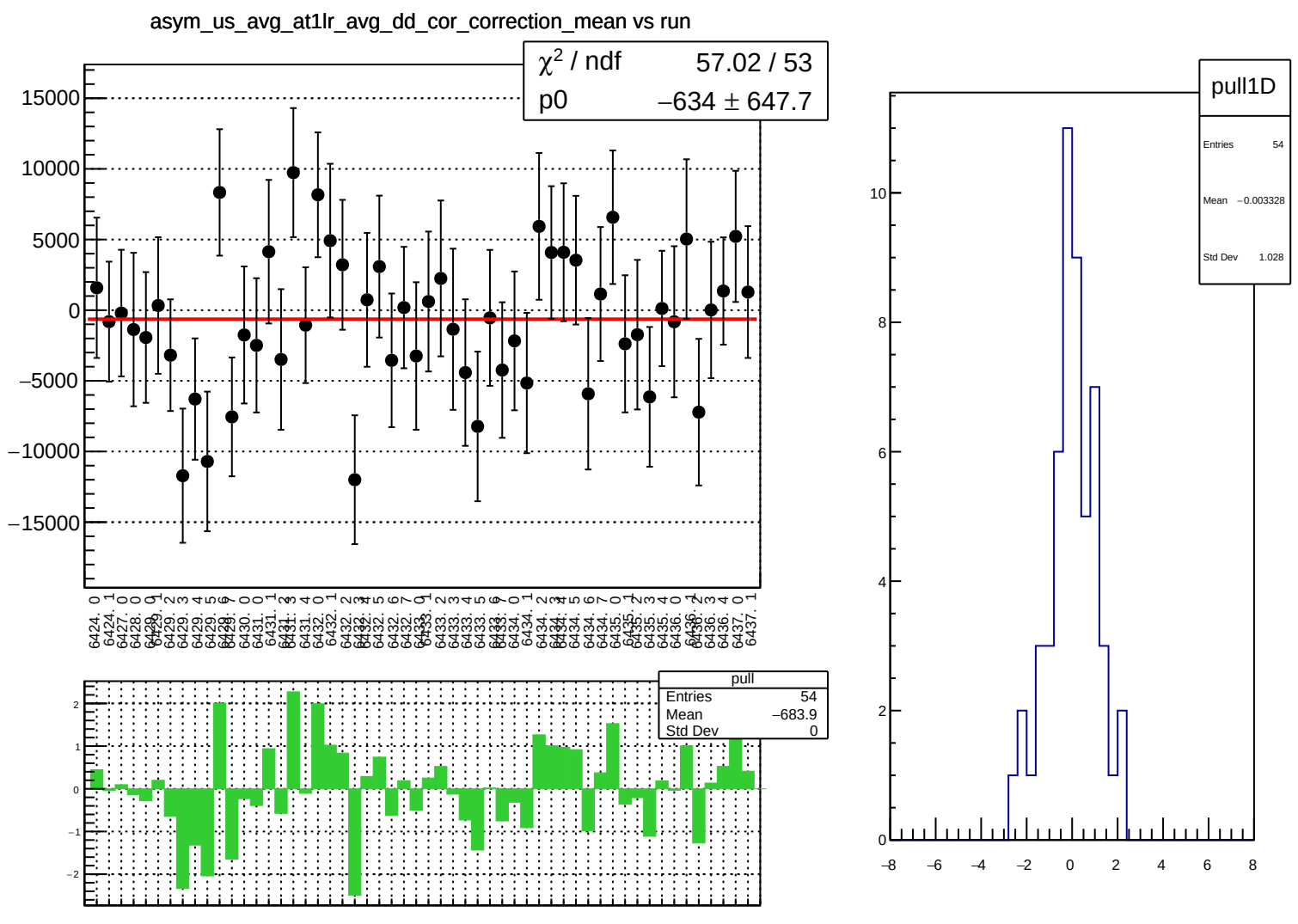

pull1D
Entries 54
Mean −0.003307
Std Dev 1.028

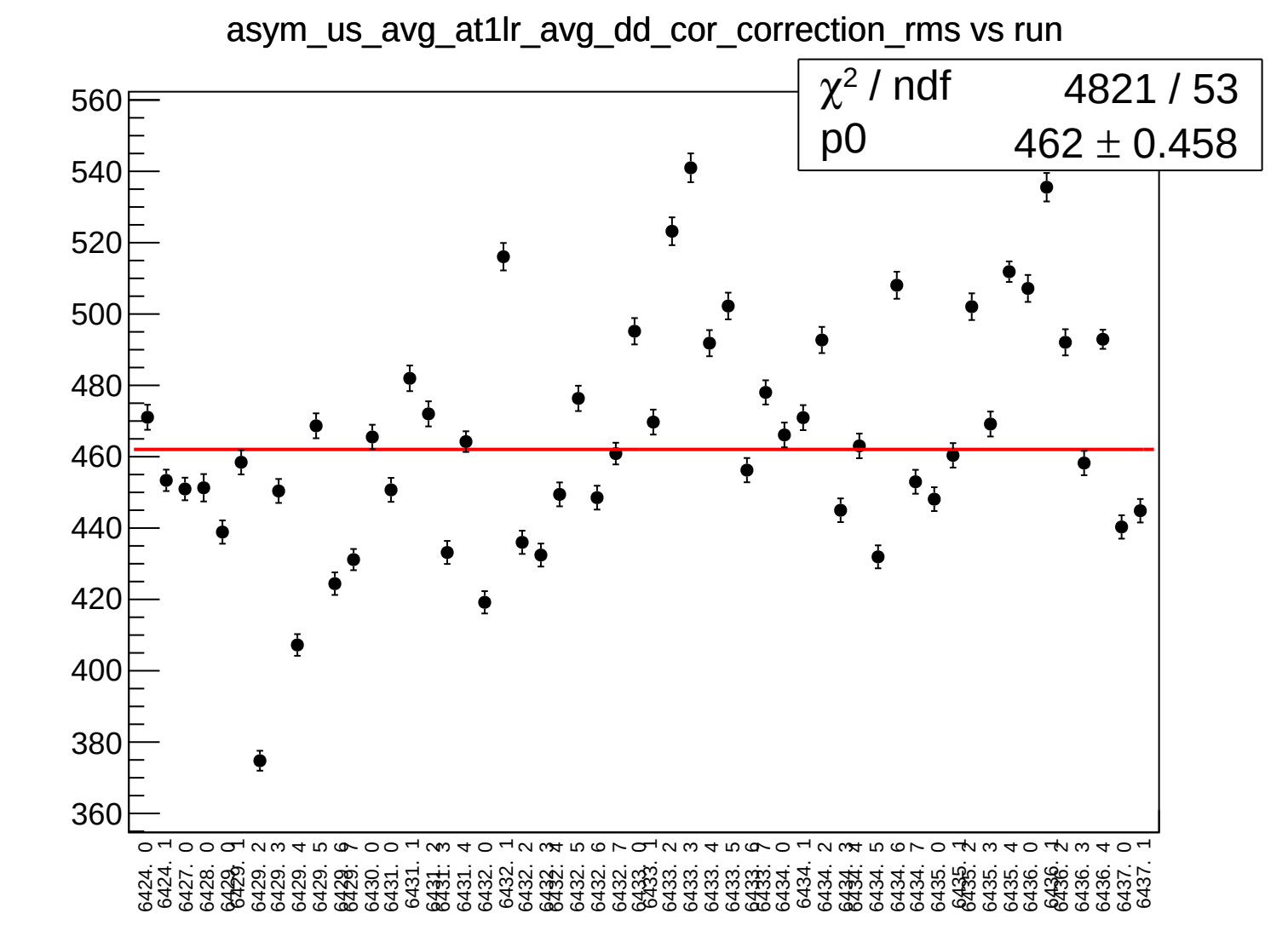

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4816 / 53
p0 462 ± 0.458
560
540
520
500
480
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

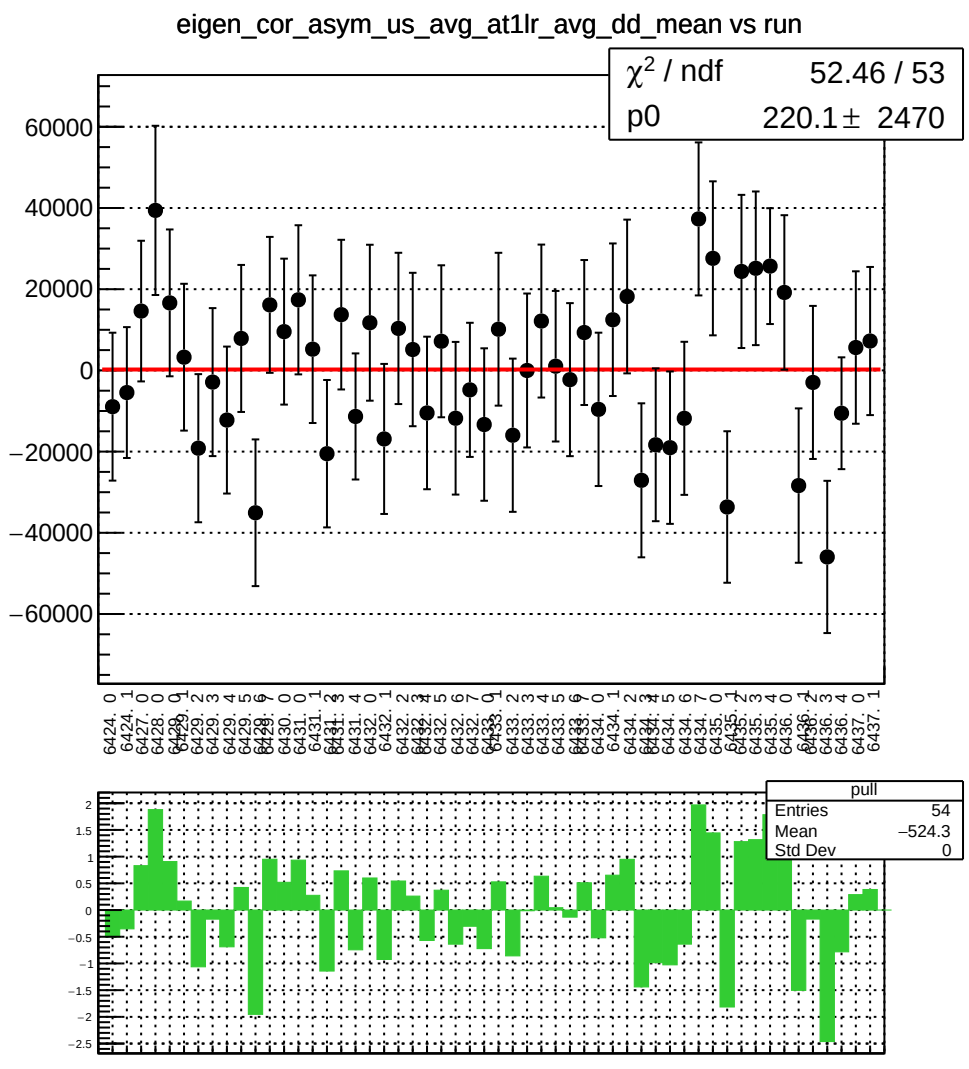

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.46 / 53
p0 220.1 ± 2470
pull
Entries 54
Mean −524.3
Std Dev 0

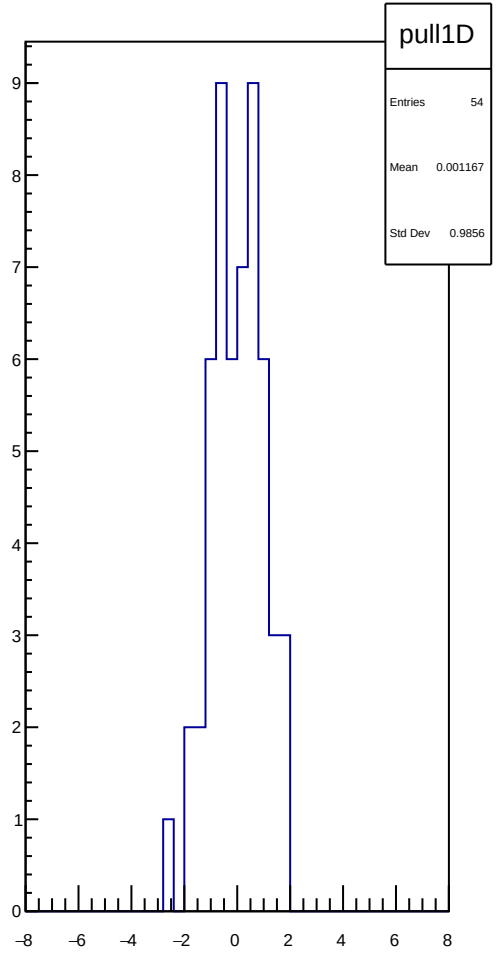

pull1D
Entries 54
Mean 0.001167
Std Dev 0.9856

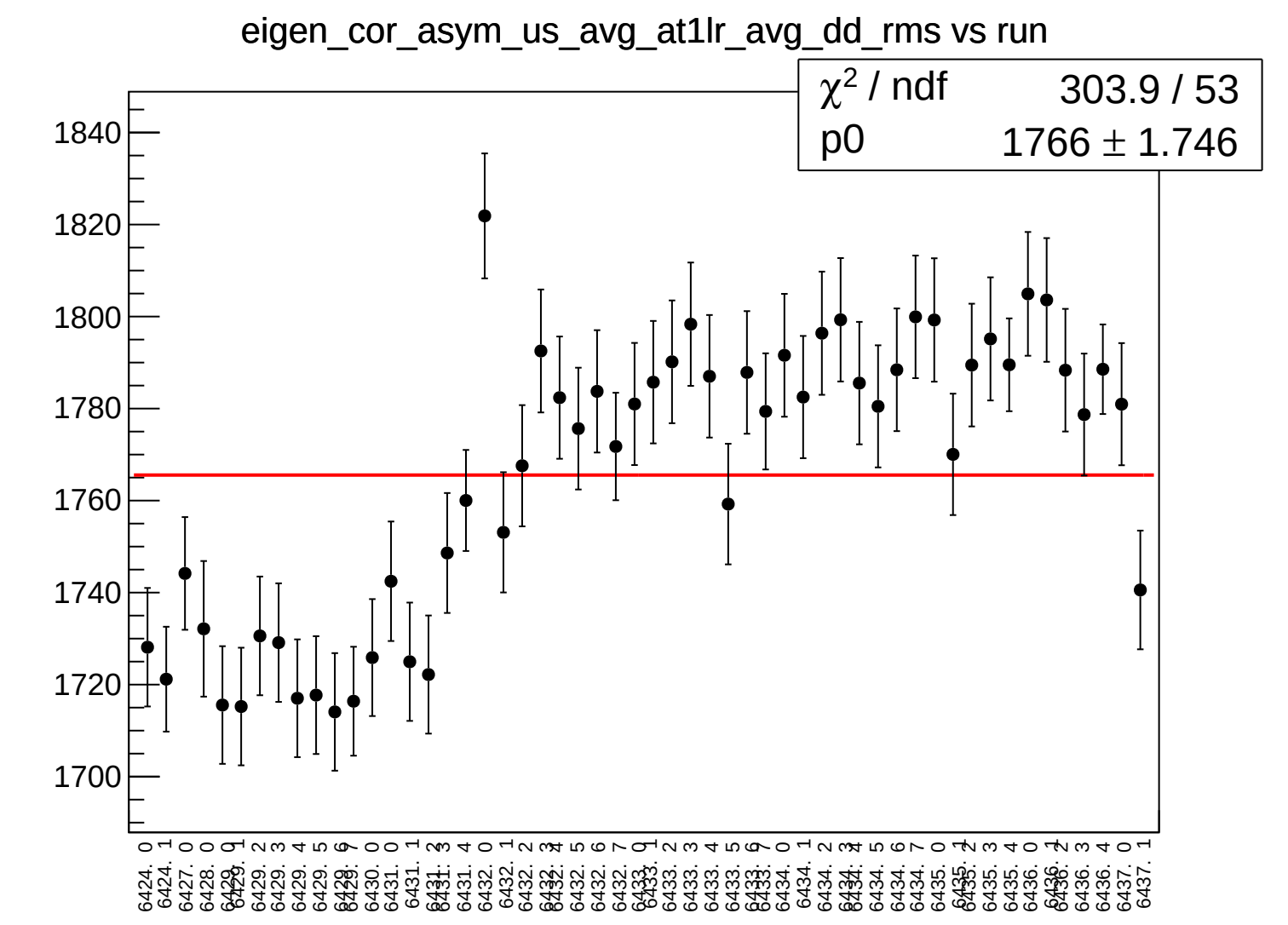

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 303.9 / 53
p0 1766 ± 1.746
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

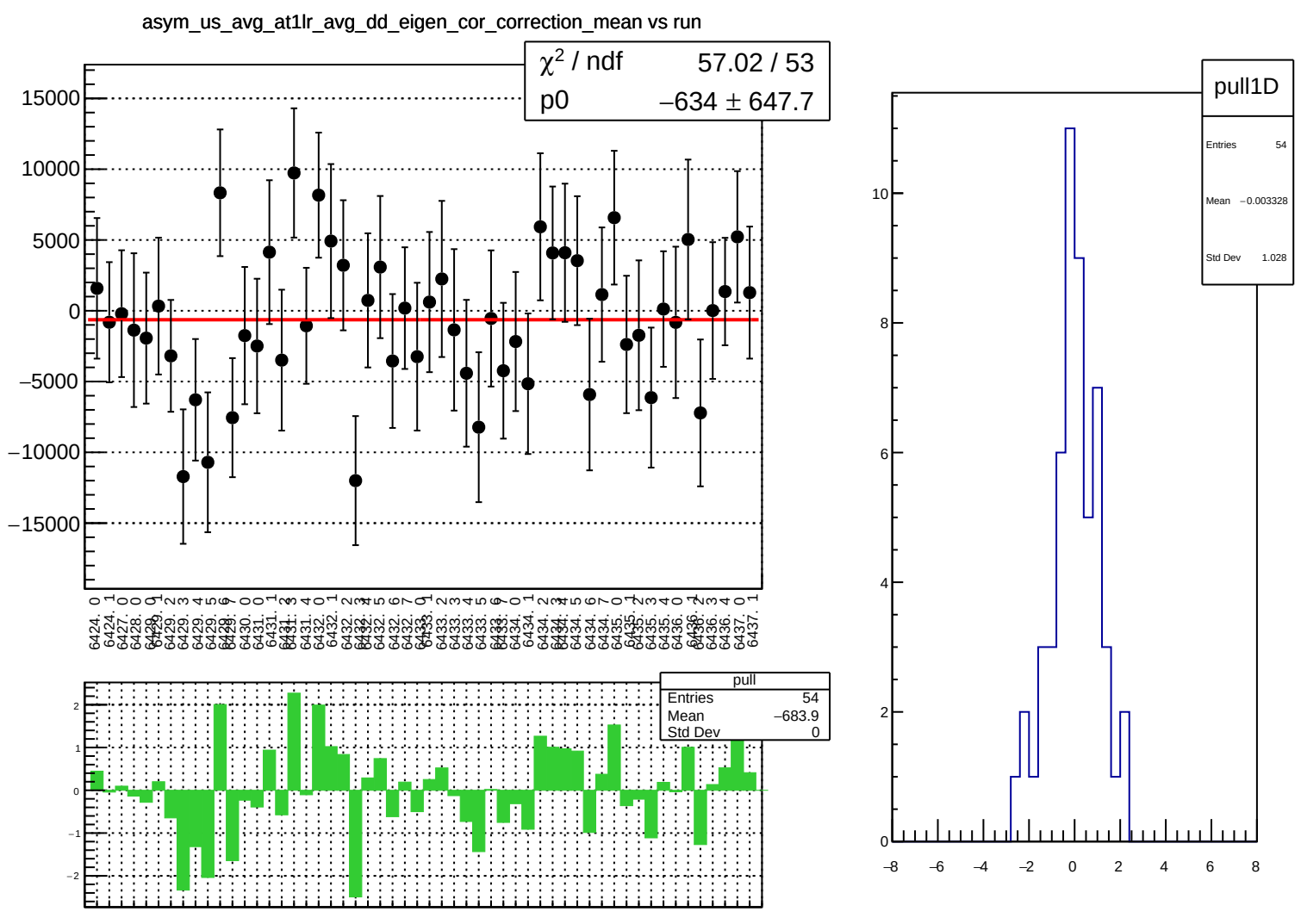

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 57.02 / 53
p0 −634 ± 647.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −683.9
Std Dev 0
pull1D
Entries 54
Mean −0.003328
Std Dev 1.028

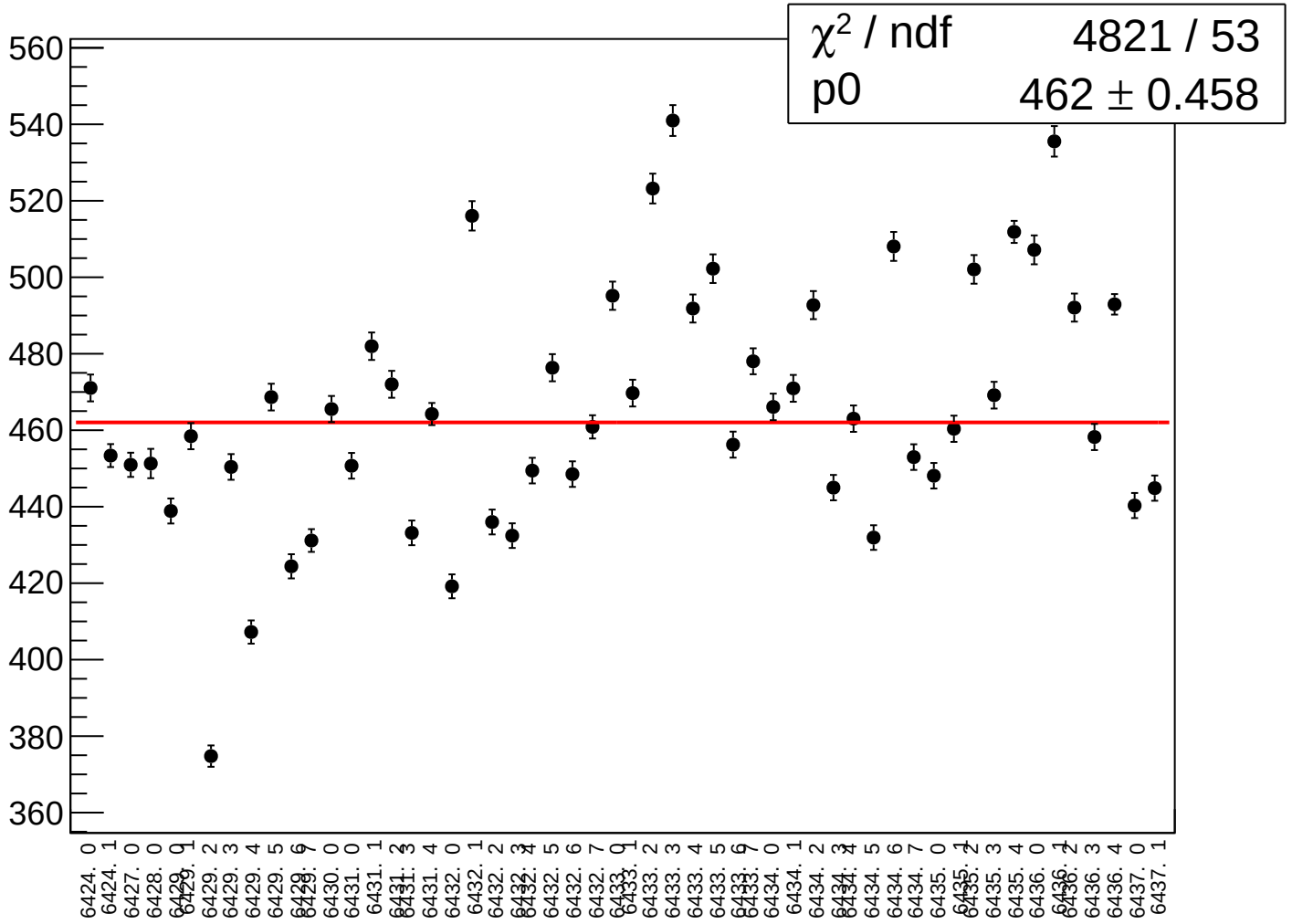

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 4821 / 53
p0 462 ± 0.458
560
540
520
500
480
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

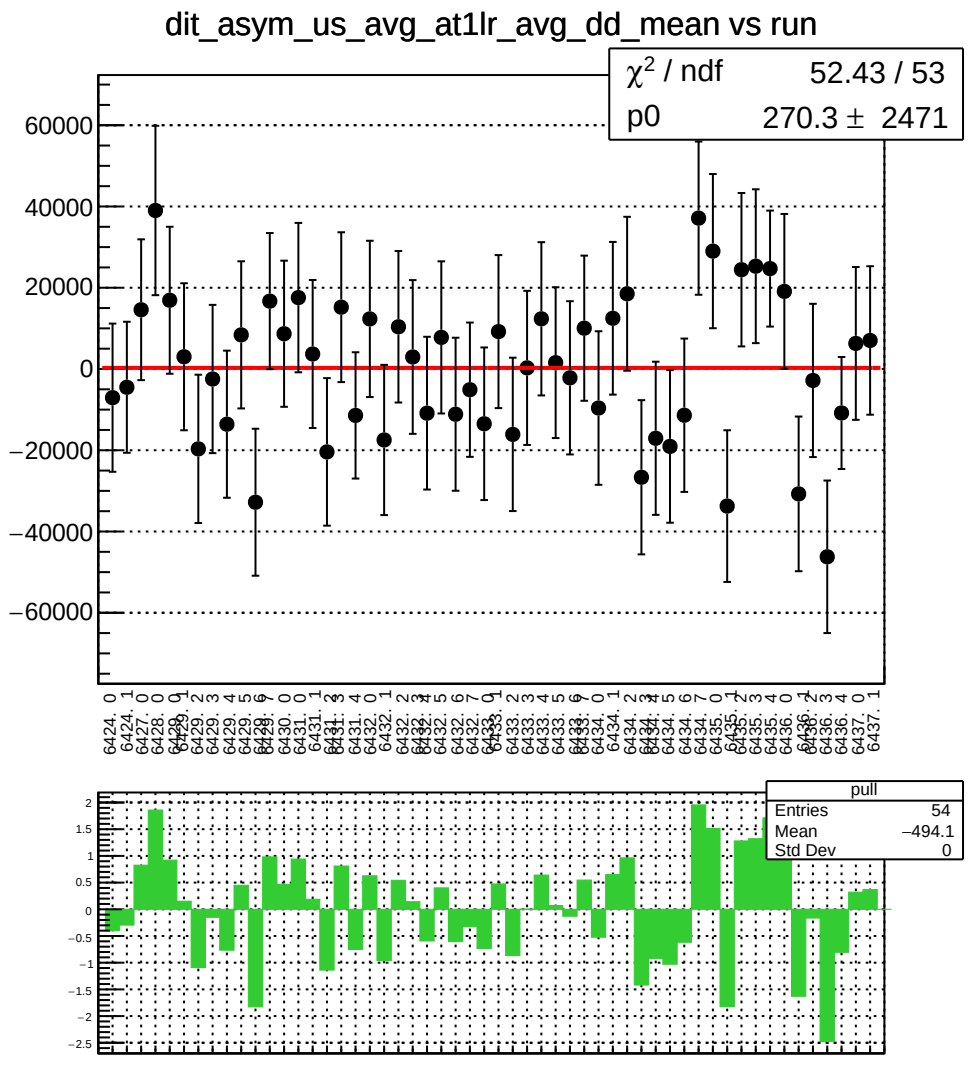

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.46 / 53
p0 220.1 ± 2470
pull
Entries 54
Mean −524.3
Std Dev 0

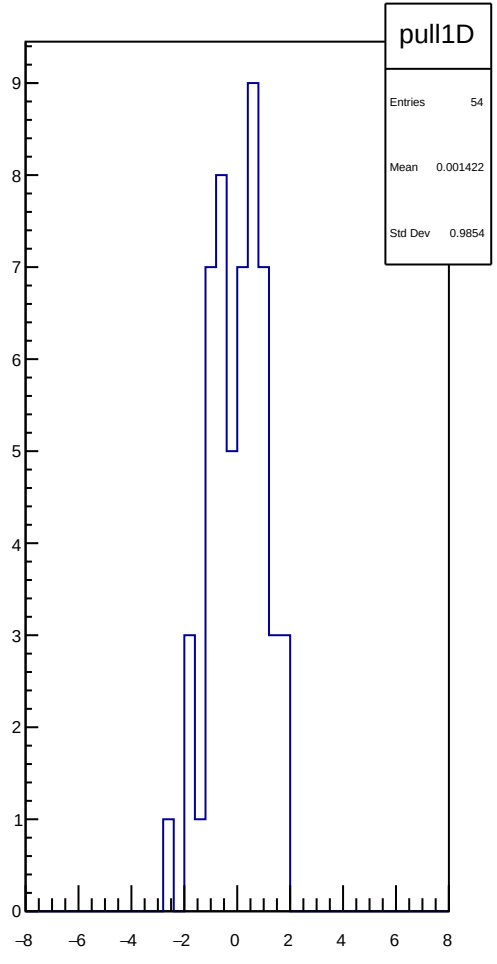

pull1D
Entries 54
Mean 0.001167
Std Dev 0.9856

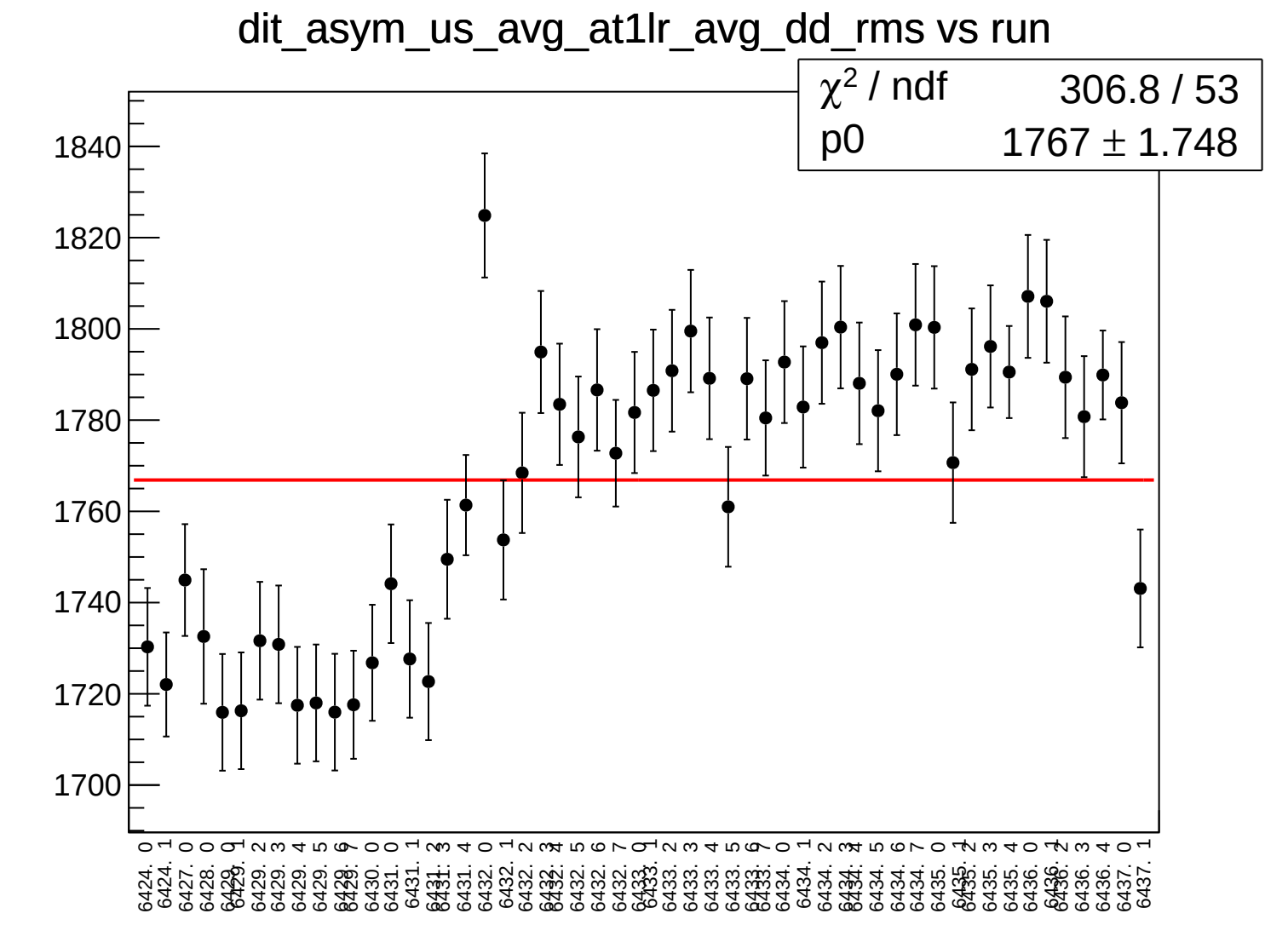

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 303.9 / 53
p0 1766 ± 1.746
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

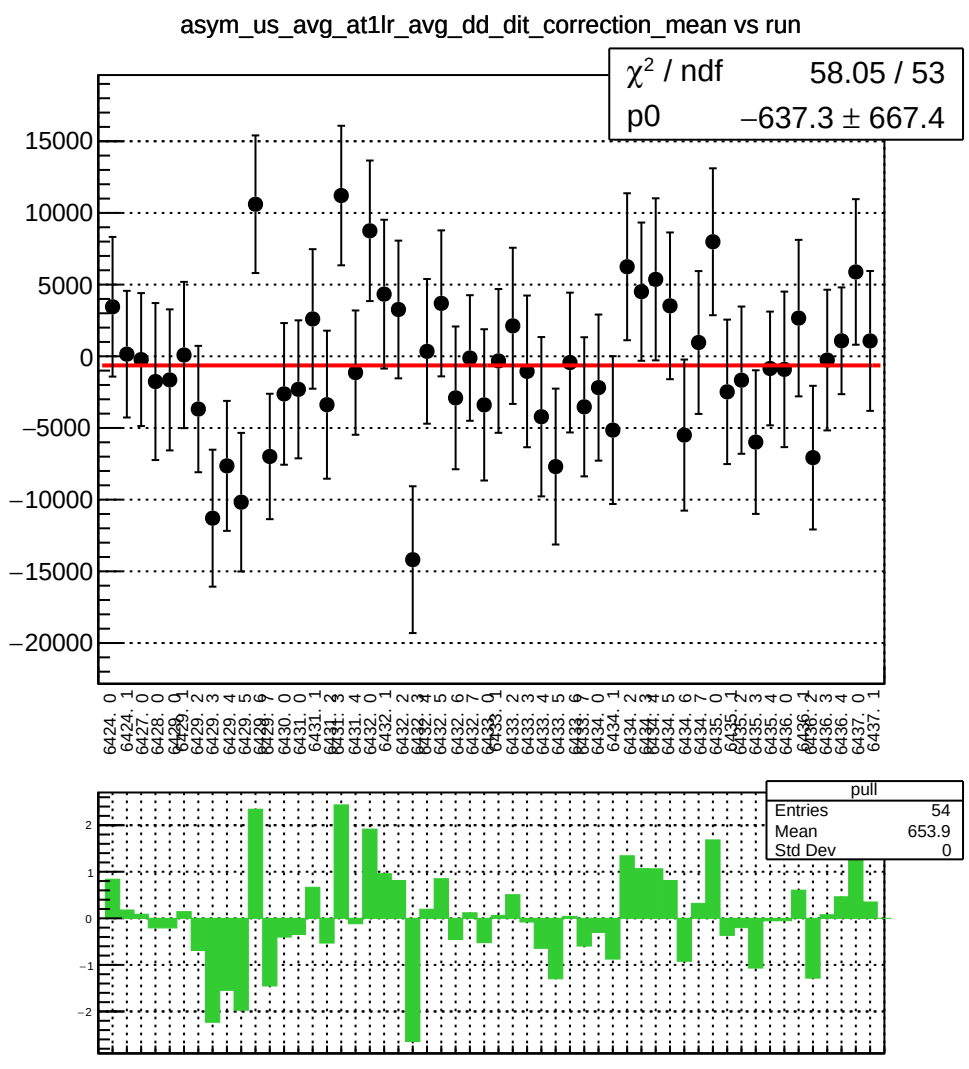

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.02 / 53
p0 −634 ± 647.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −683.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.003328
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

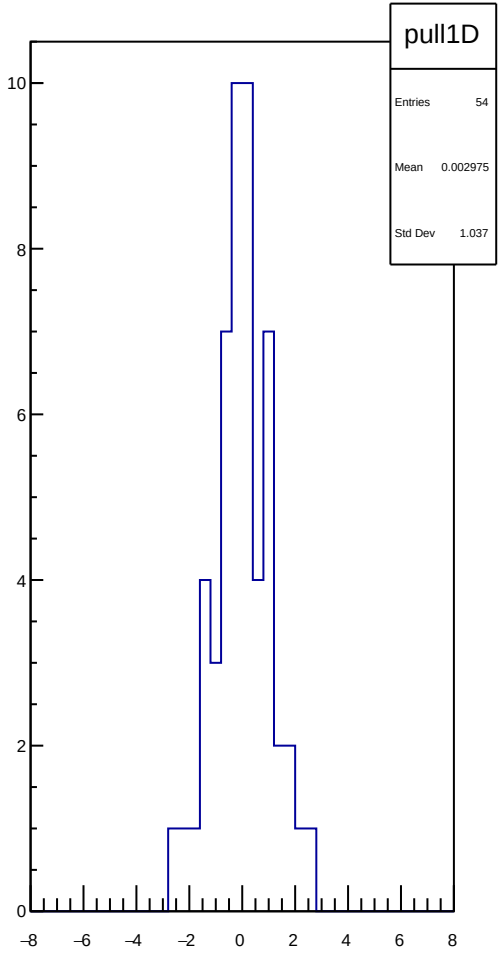

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ2 / ndf 4821 / 53
p0 462 ± 0.458
560
540
520
500
480
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

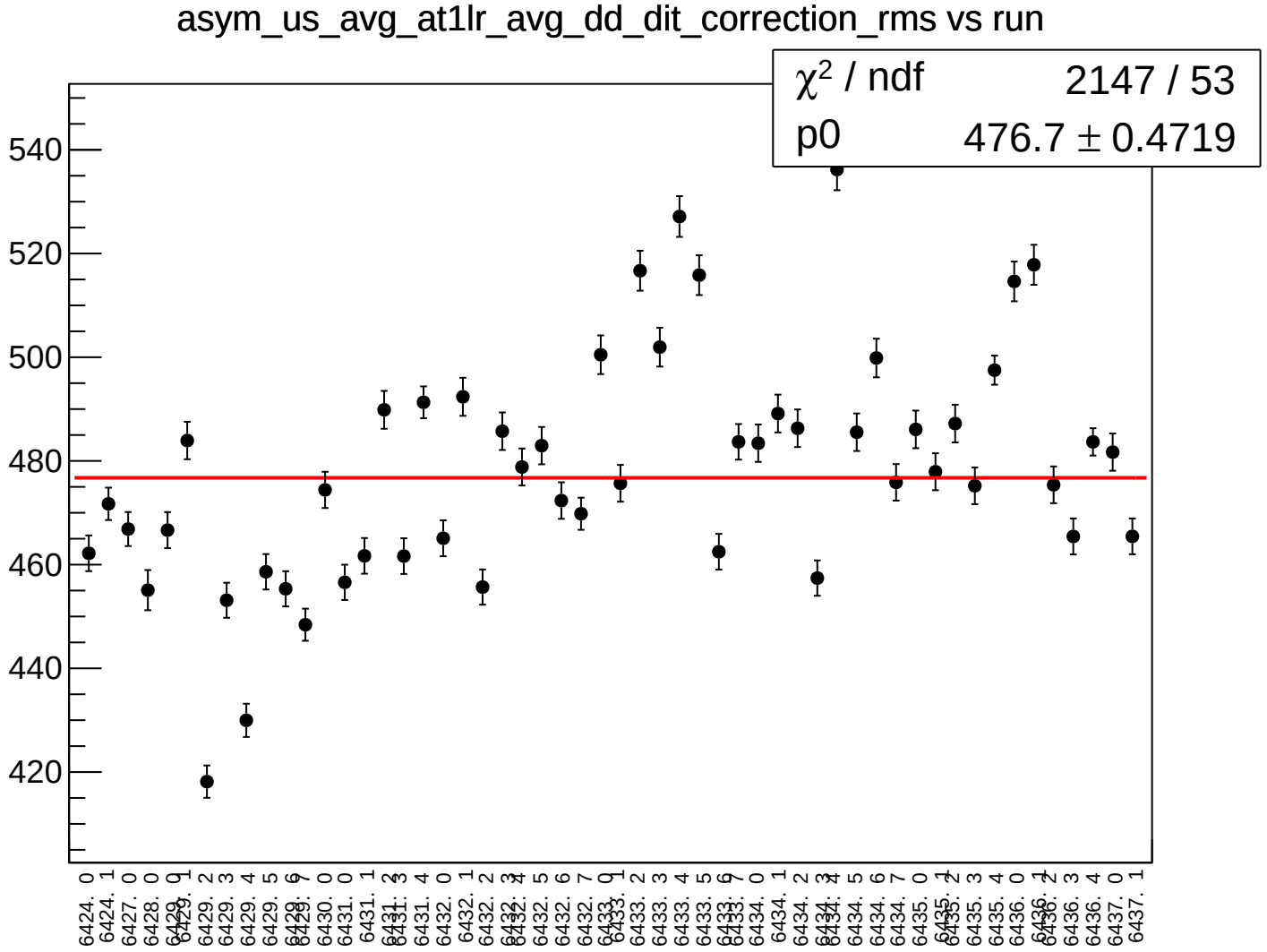

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.43 / 53
p0 270.3 ± 2471
pull
Entries 54
Mean −494.1
Std Dev 0

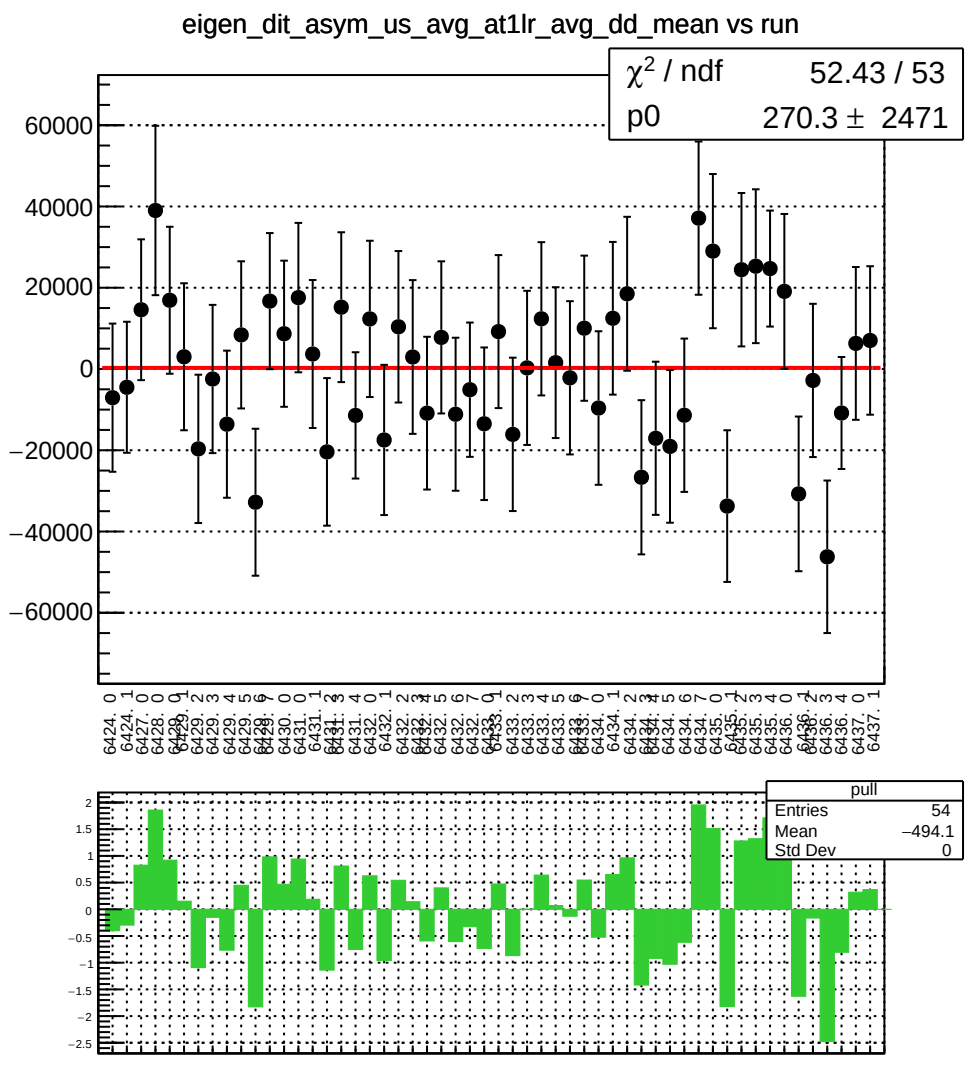

pull1D
Entries 54
Mean 0.001422
Std Dev 0.9854


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 306.8 / 53
p0 1767 ± 1.748
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 58.05 / 53
p0 −637.3 ± 667.4
pull
Entries 54
Mean 653.9
Std Dev 0


pull1D
Entries 54
Mean 0.002975
Std Dev 1.037


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2147 / 53
p0 476.7 ± 0.4719
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.43 / 53
p0 270.3 ± 2471
60000
40000
20000
0
−20000
−40000
−60000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
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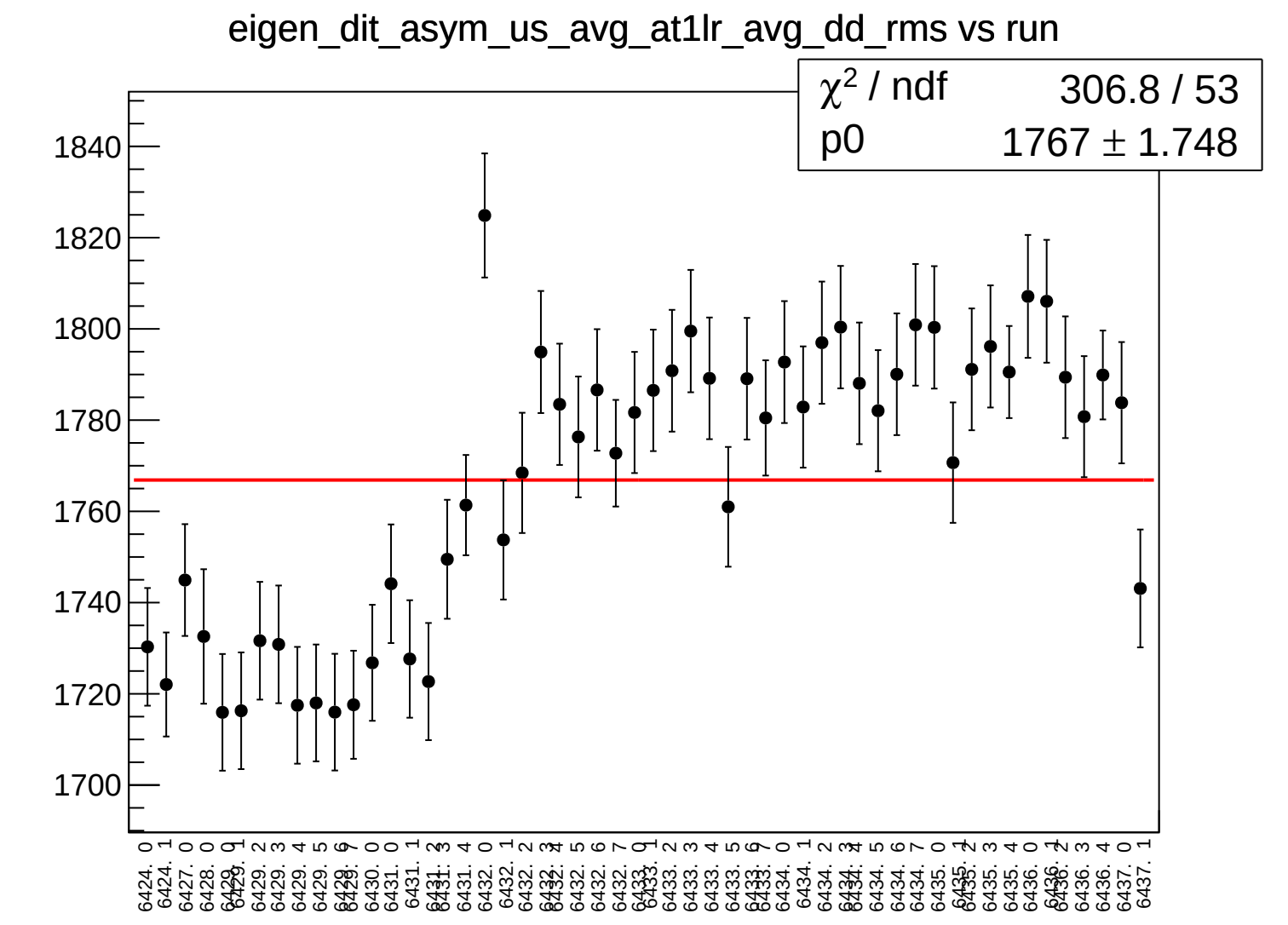
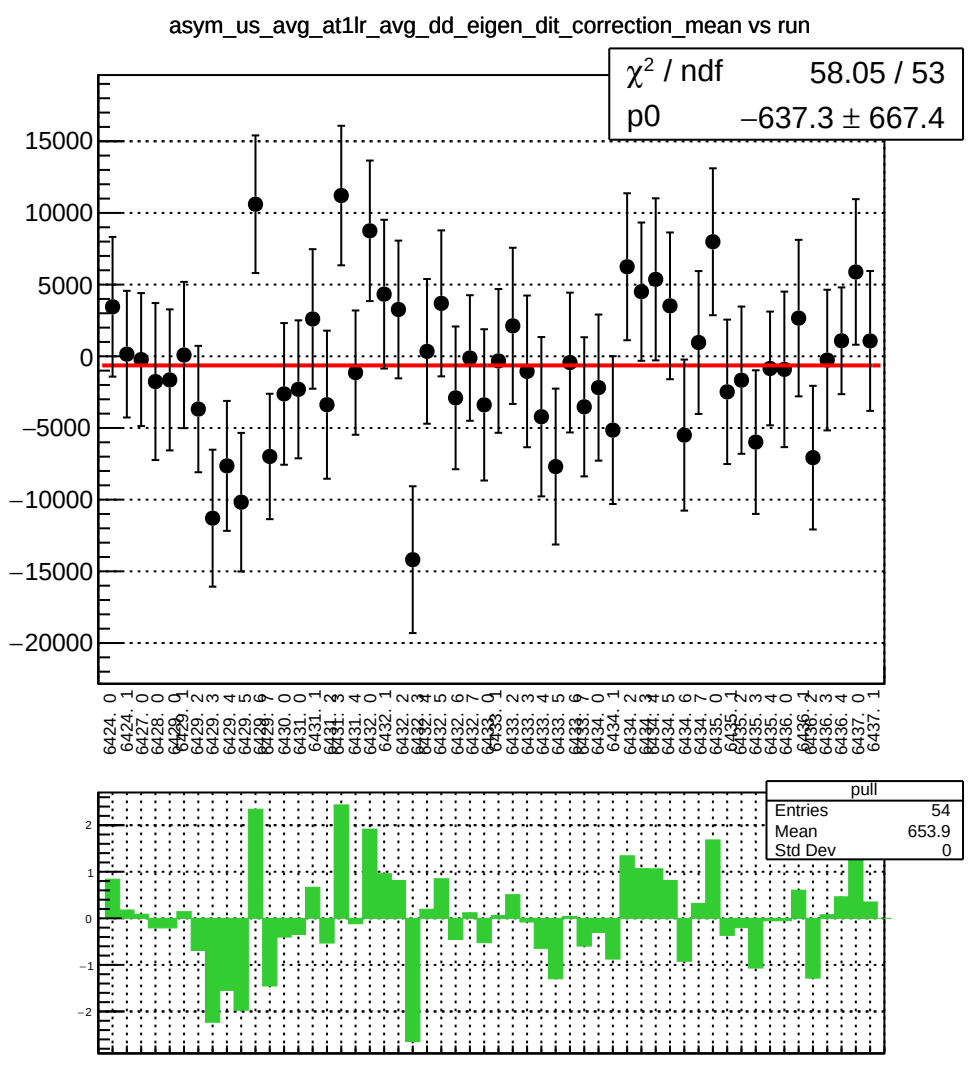
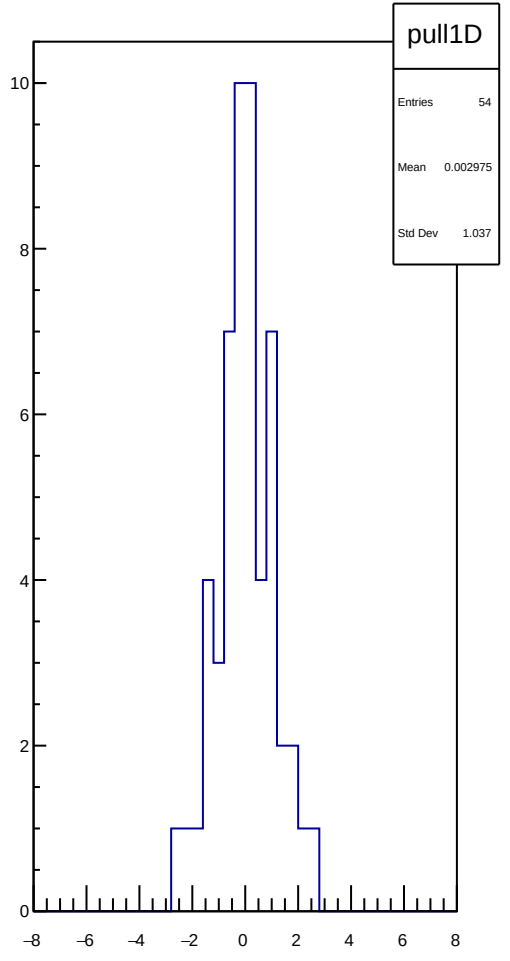
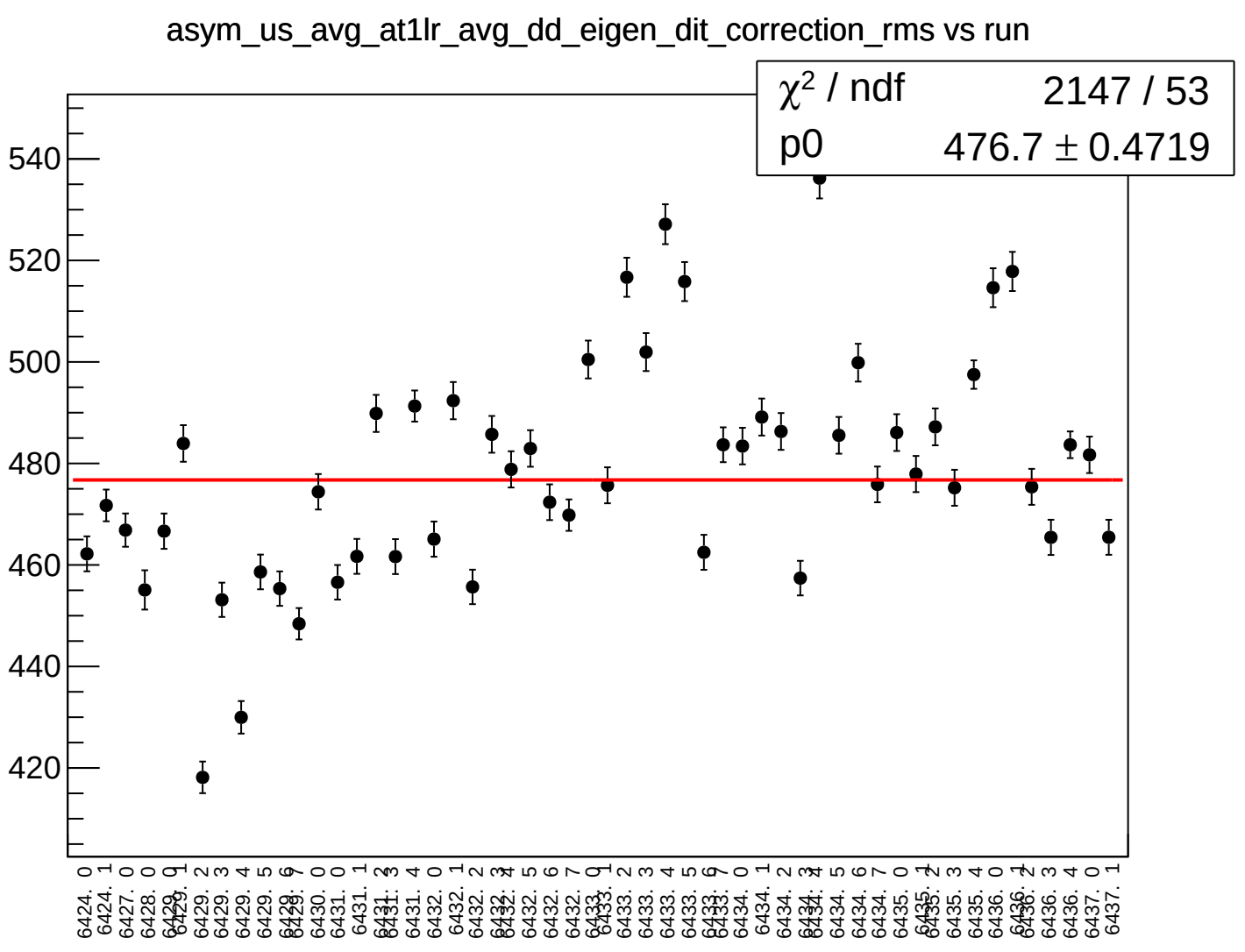
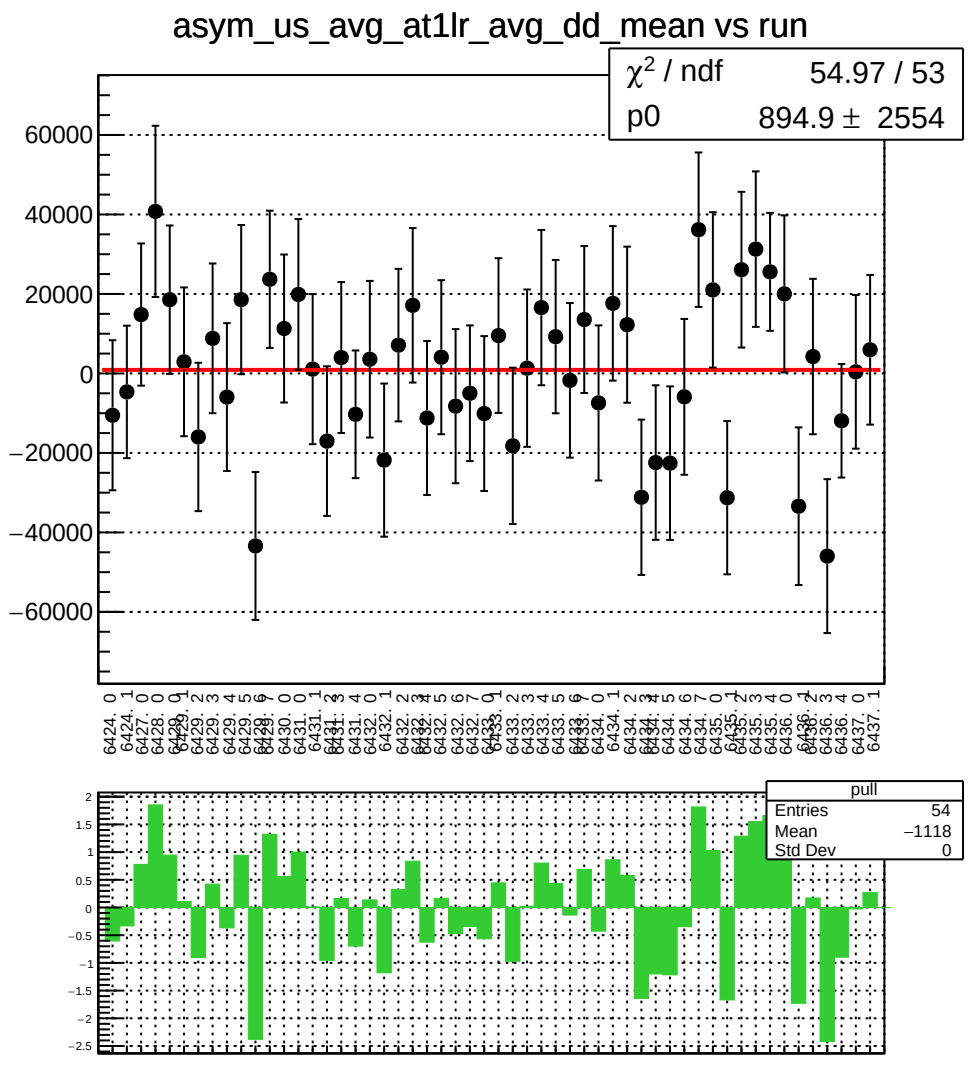
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −494.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 54
Mean 0.001422
Std Dev 0.9854
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

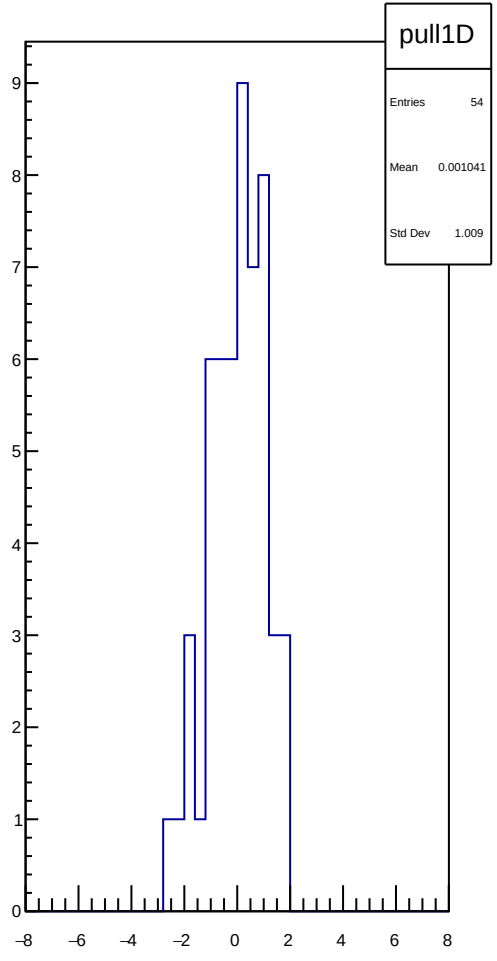

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 306.8 / 53
p0 1767 ± 1.748
1840
1820
1800
1780
1760
1740
1720
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

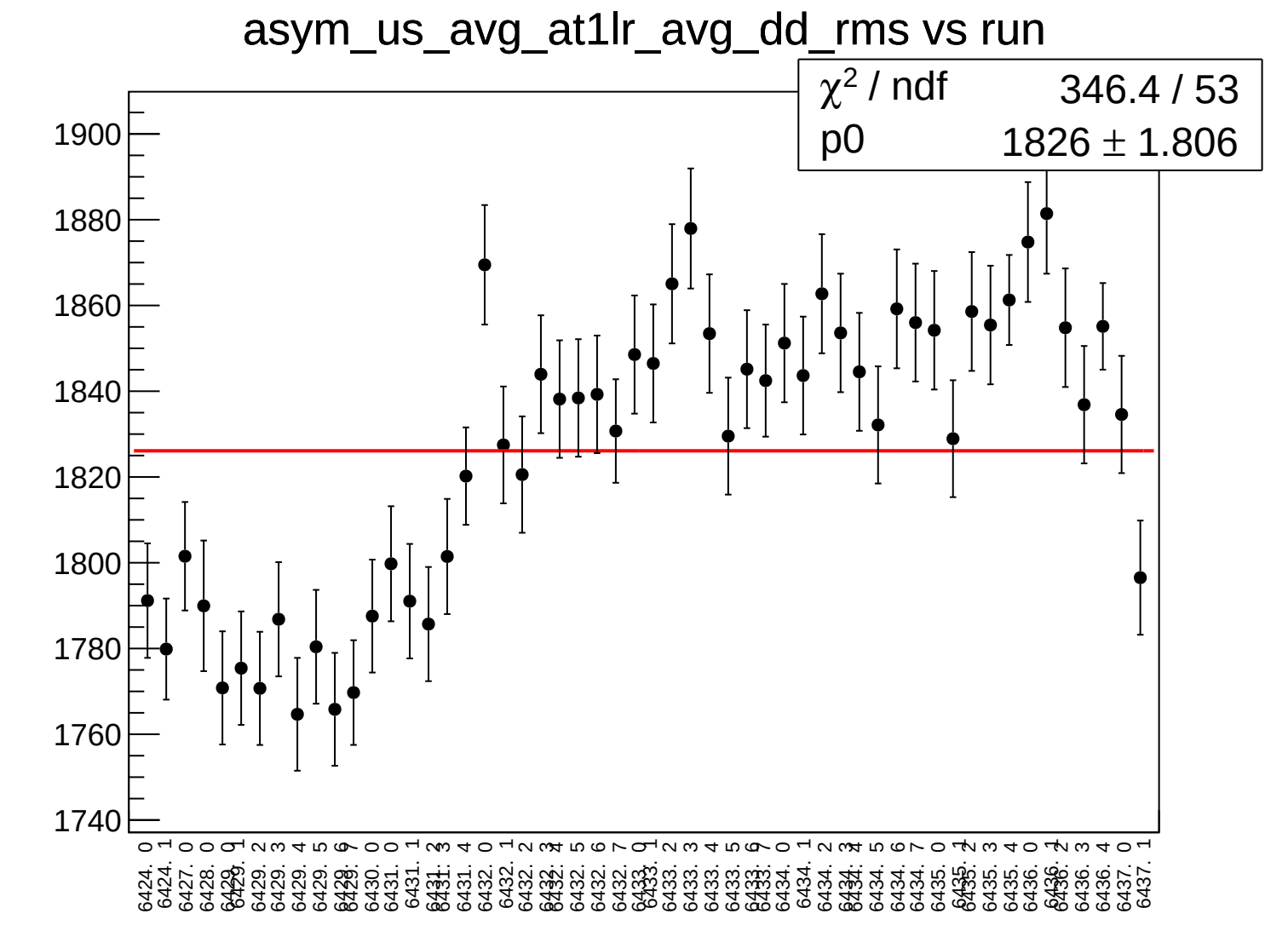

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.05 / 53
p0 −637.3 ± 667.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 653.9
Std Dev 0
2
1
0
−1
−2

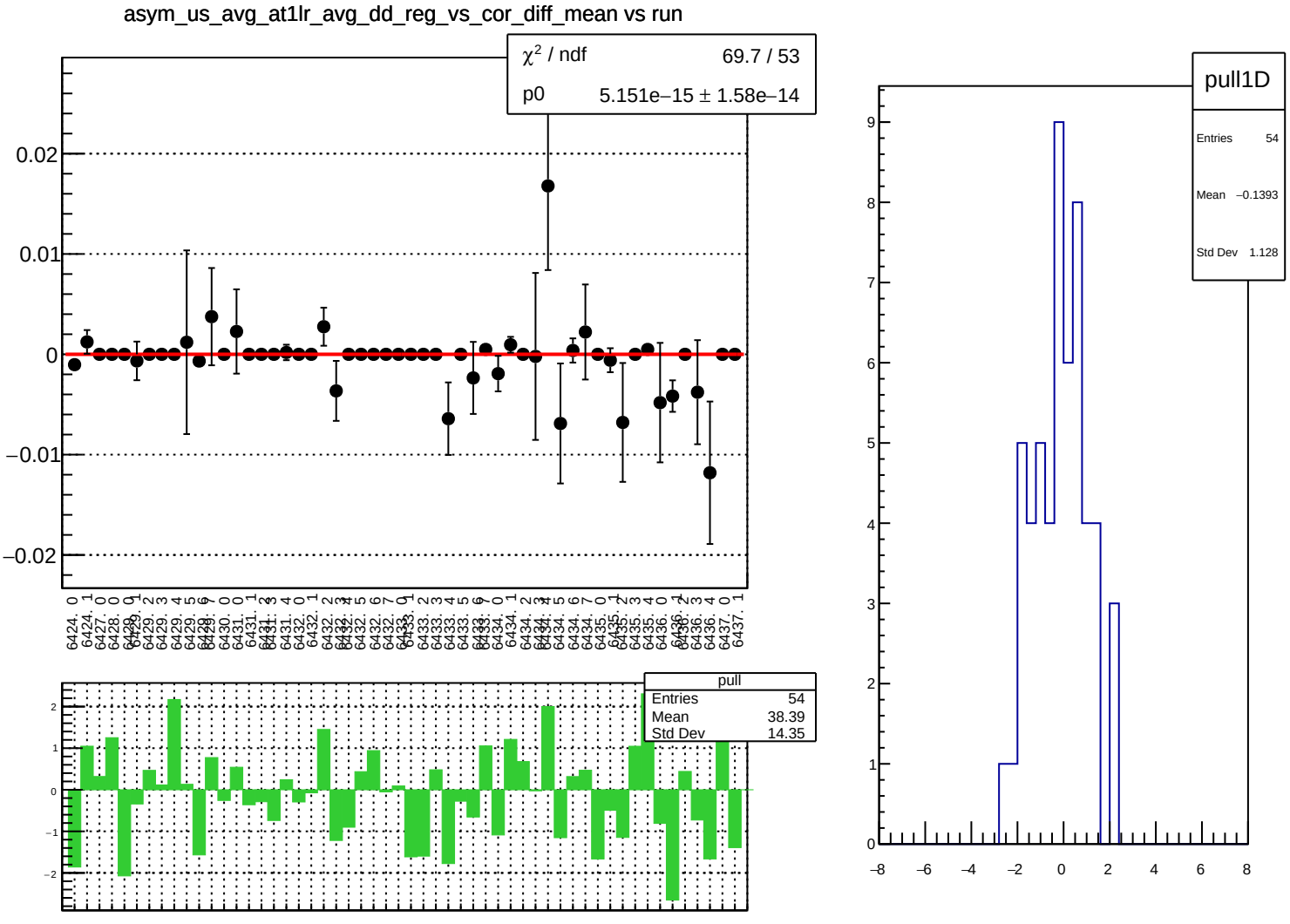

pull1D
Entries 54
Mean 0.002975
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

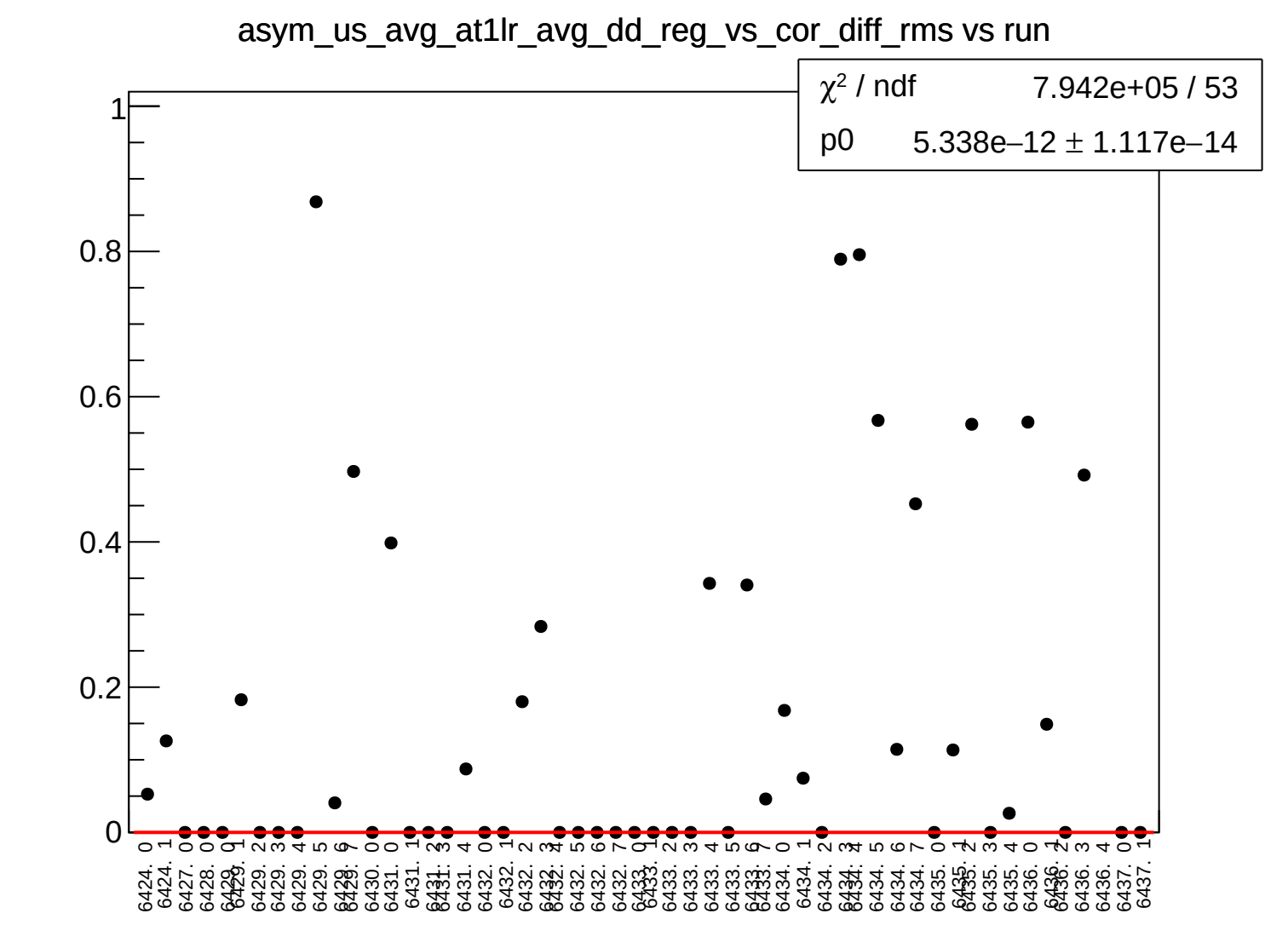

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2147 / 53
p0 476.7 ± 0.4719
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

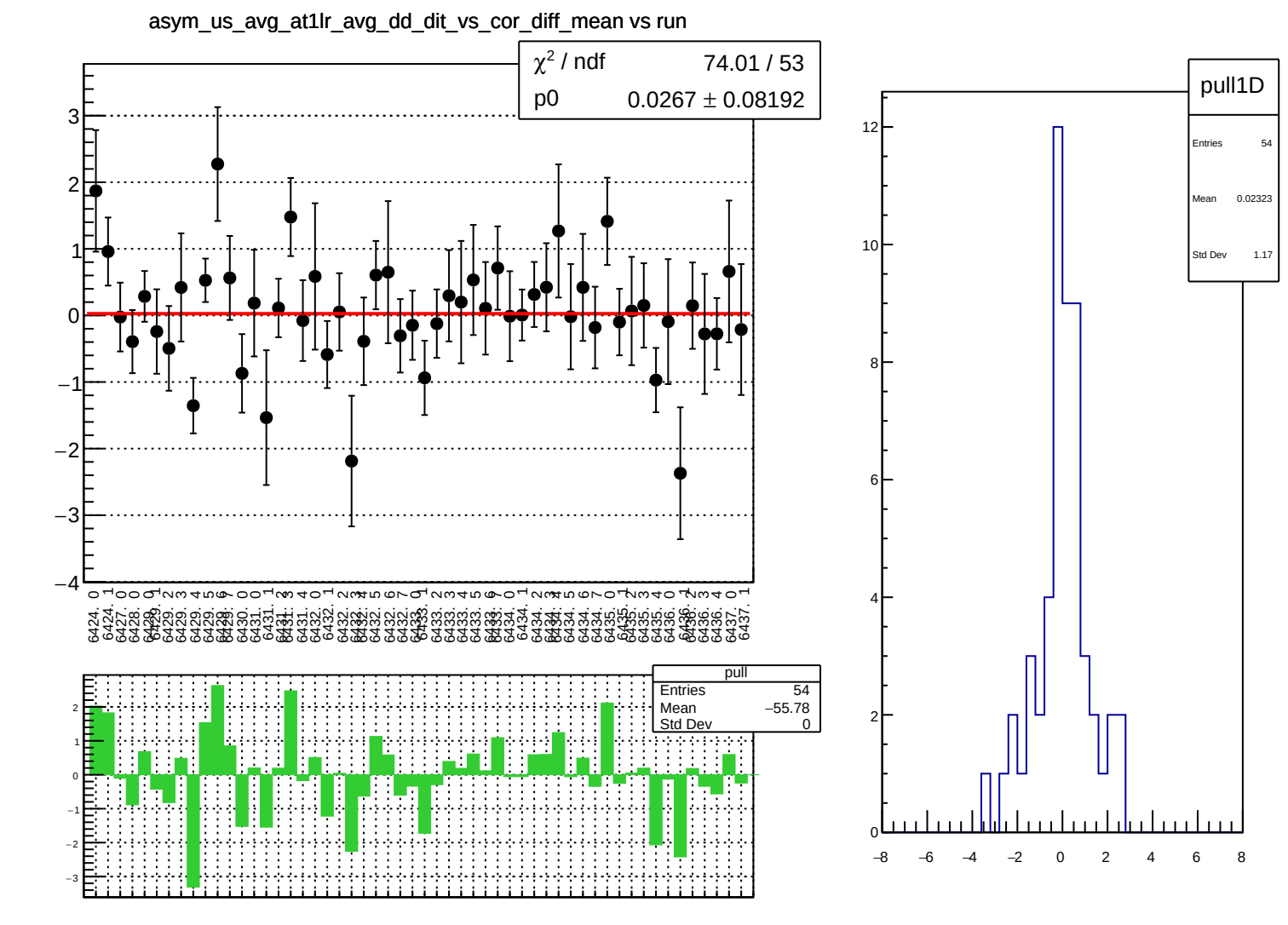

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 54.97 / 53
p0 894.9 ± 2554
pull
Entries 54
Mean −1118
Std Dev 0

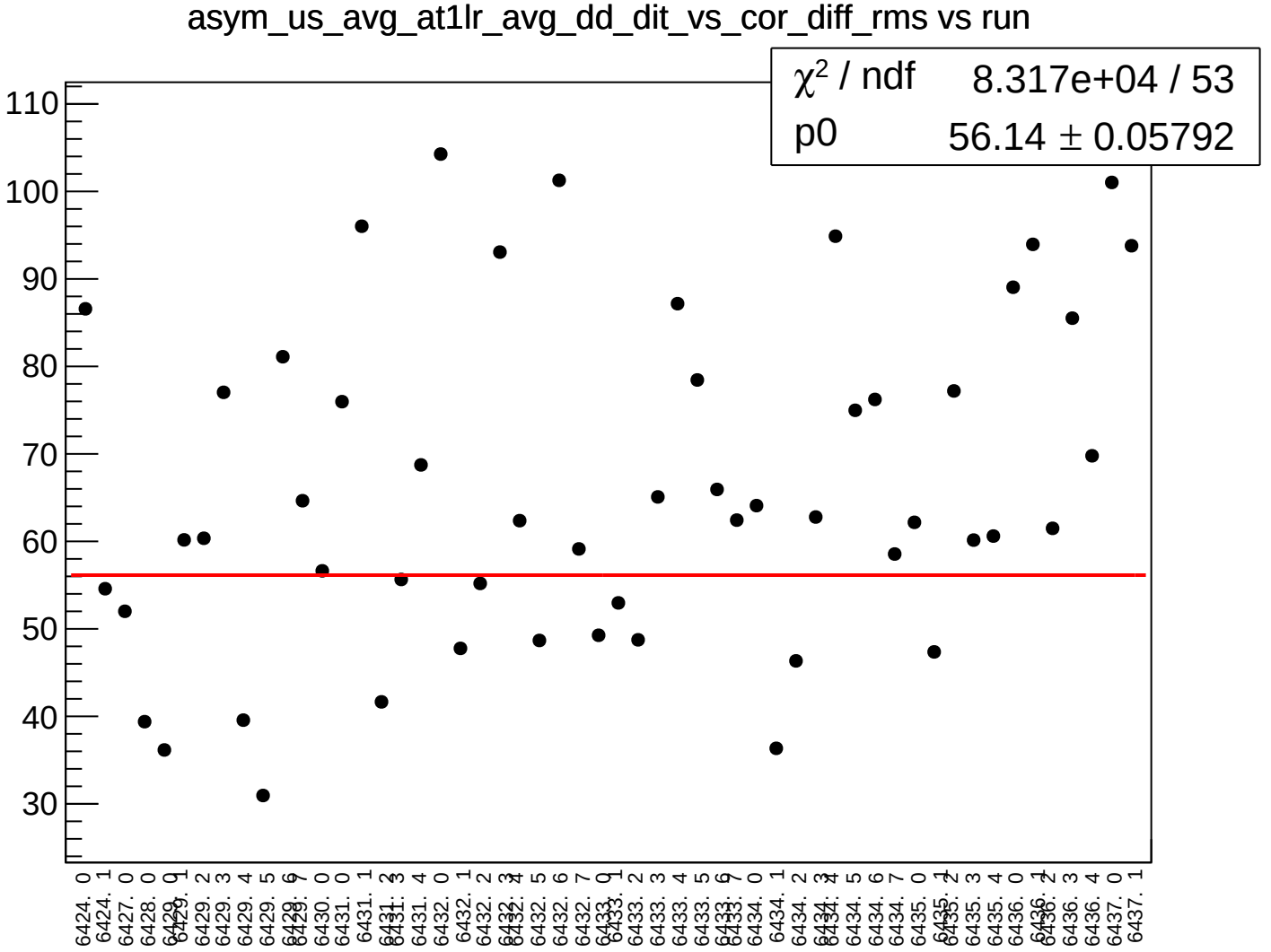

pull1D
Entries 54
Mean 0.001041
Std Dev 1.009

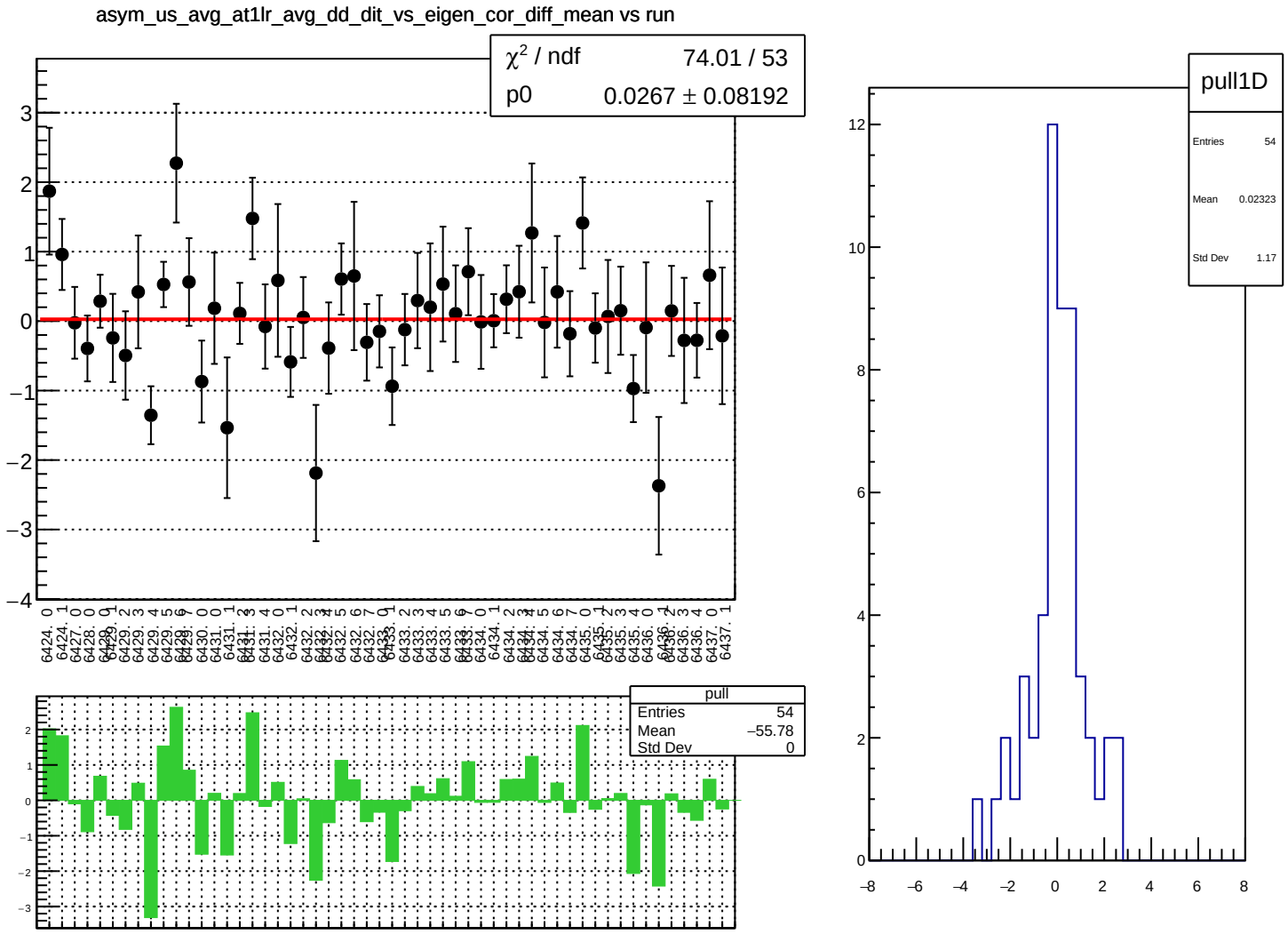

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 346.4 / 53
p0 1826 ± 1.806
1900
1880
1860
1840
1820
1800
1780
1760
1740
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

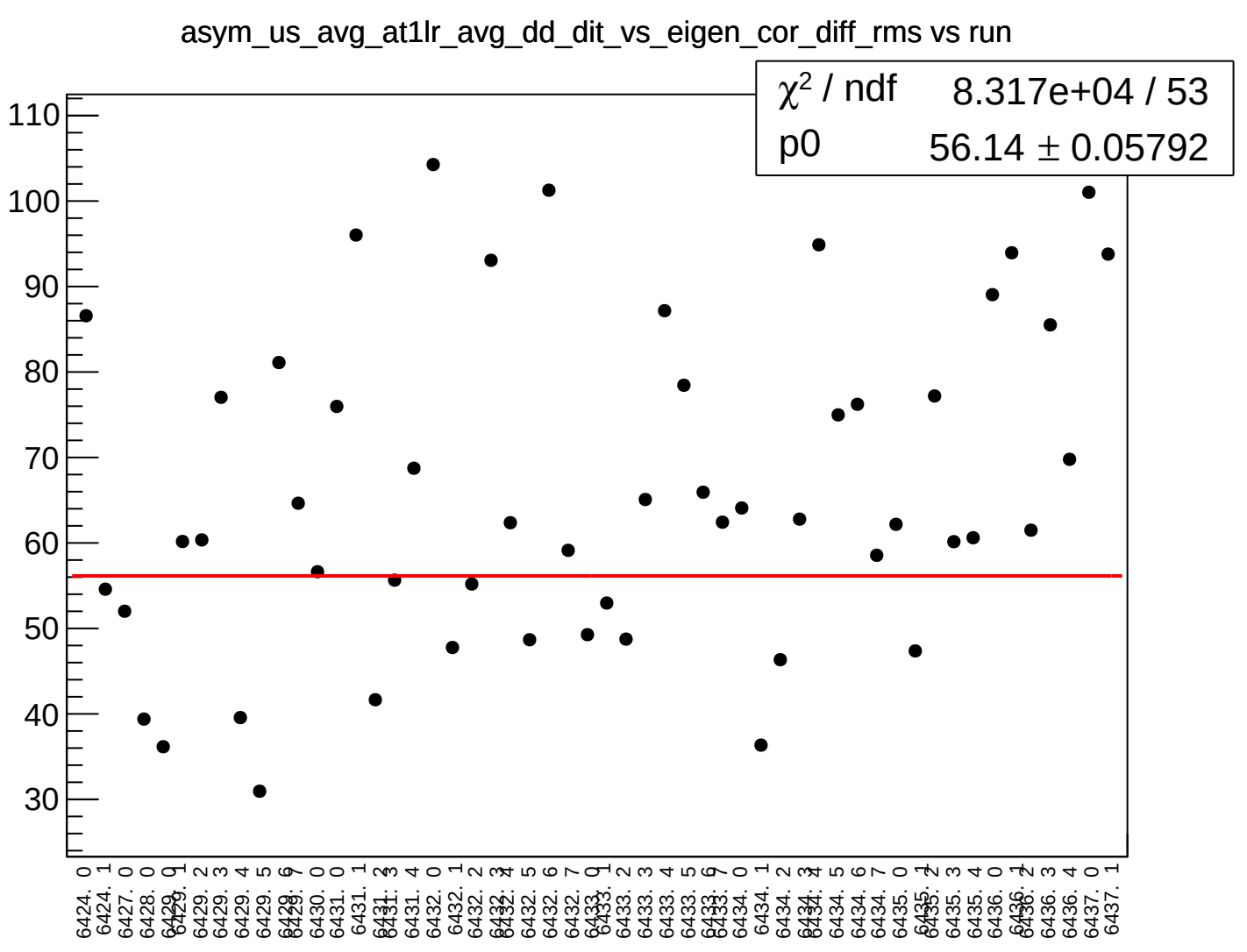

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.7 / 53
p0 5.151e−15 ± 1.58e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 38.39
Std Dev 14.35
pull1D
Entries 54
Mean −0.1393
Std Dev 1.128

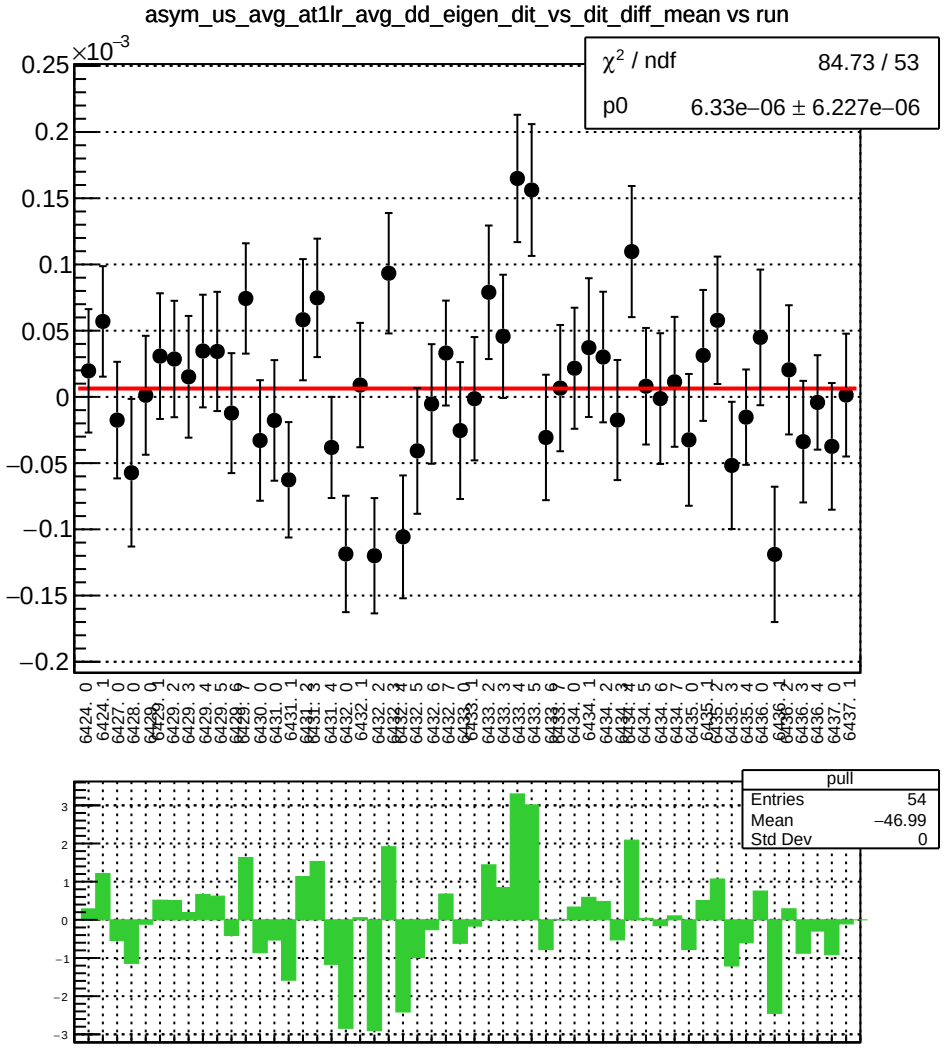

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.942e+05 / 53
p0 5.338e−12 ± 1.117e−14
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

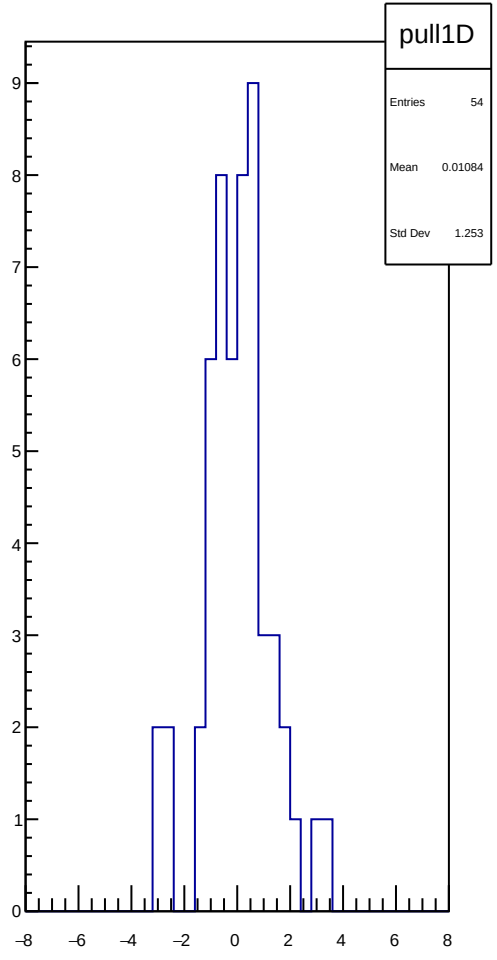

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.01 / 53
p0 0.0267 ± 0.08192
pull
Entries 54
Mean −55.78
Std Dev 0
pull1D
Entries 54
Mean 0.02323
Std Dev 1.17

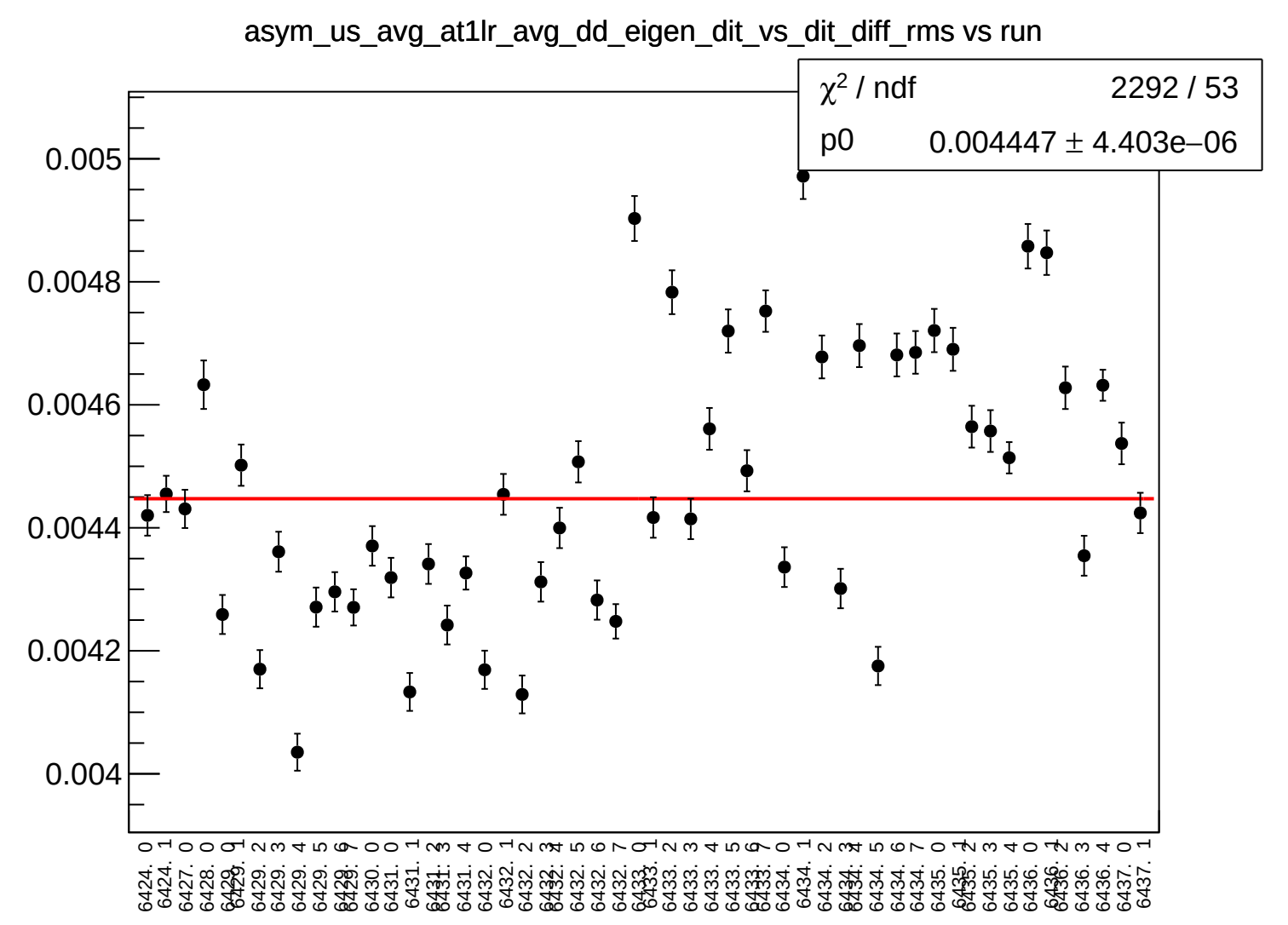

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.317e+04 / 53
p0 56.14 ± 0.05792
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

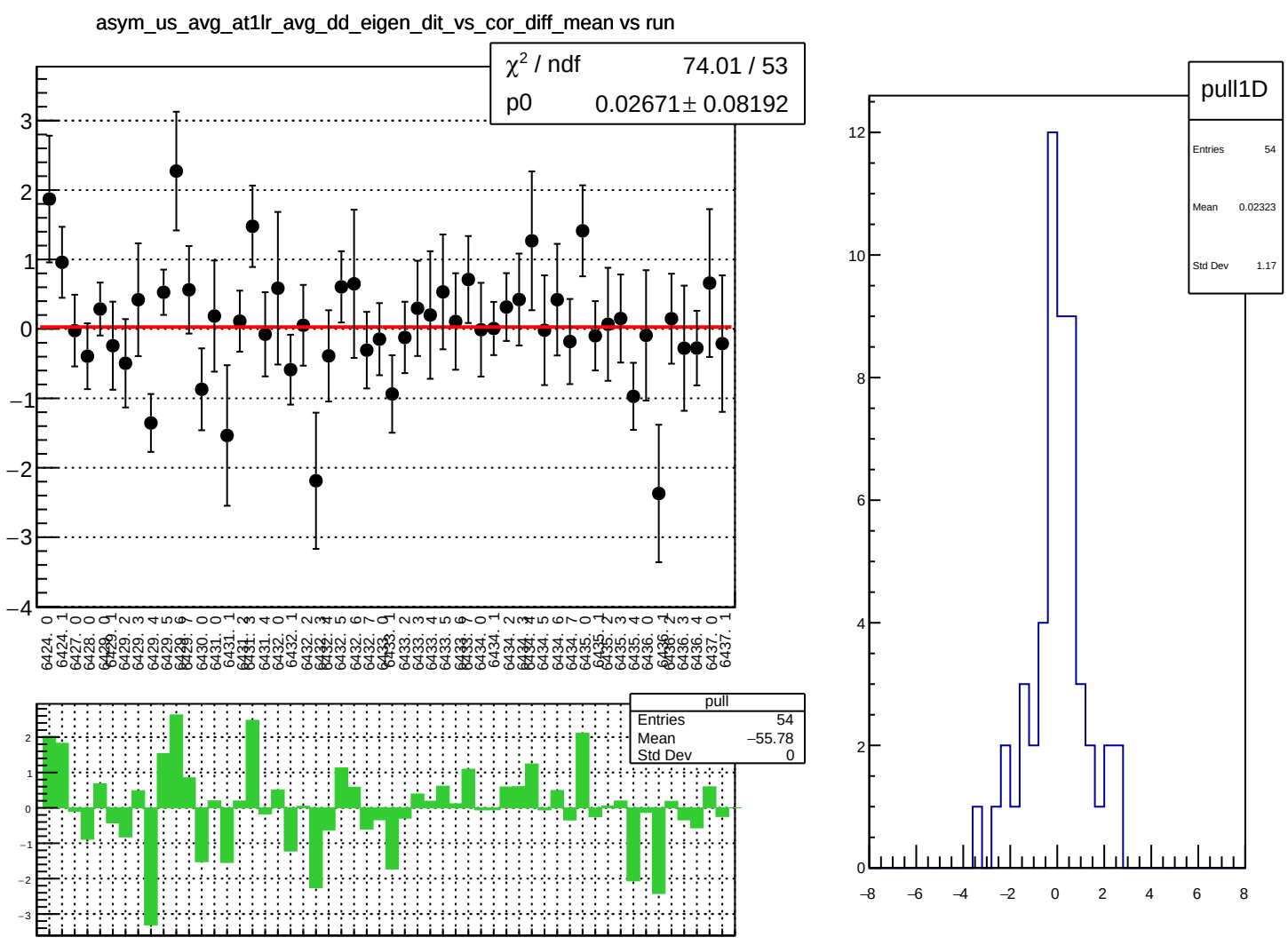

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.01 / 53
p0 0.0267 ± 0.08192
pull
Entries 54
Mean −55.78
Std Dev 0
pull1D
Entries 54
Mean 0.02323
Std Dev 1.17

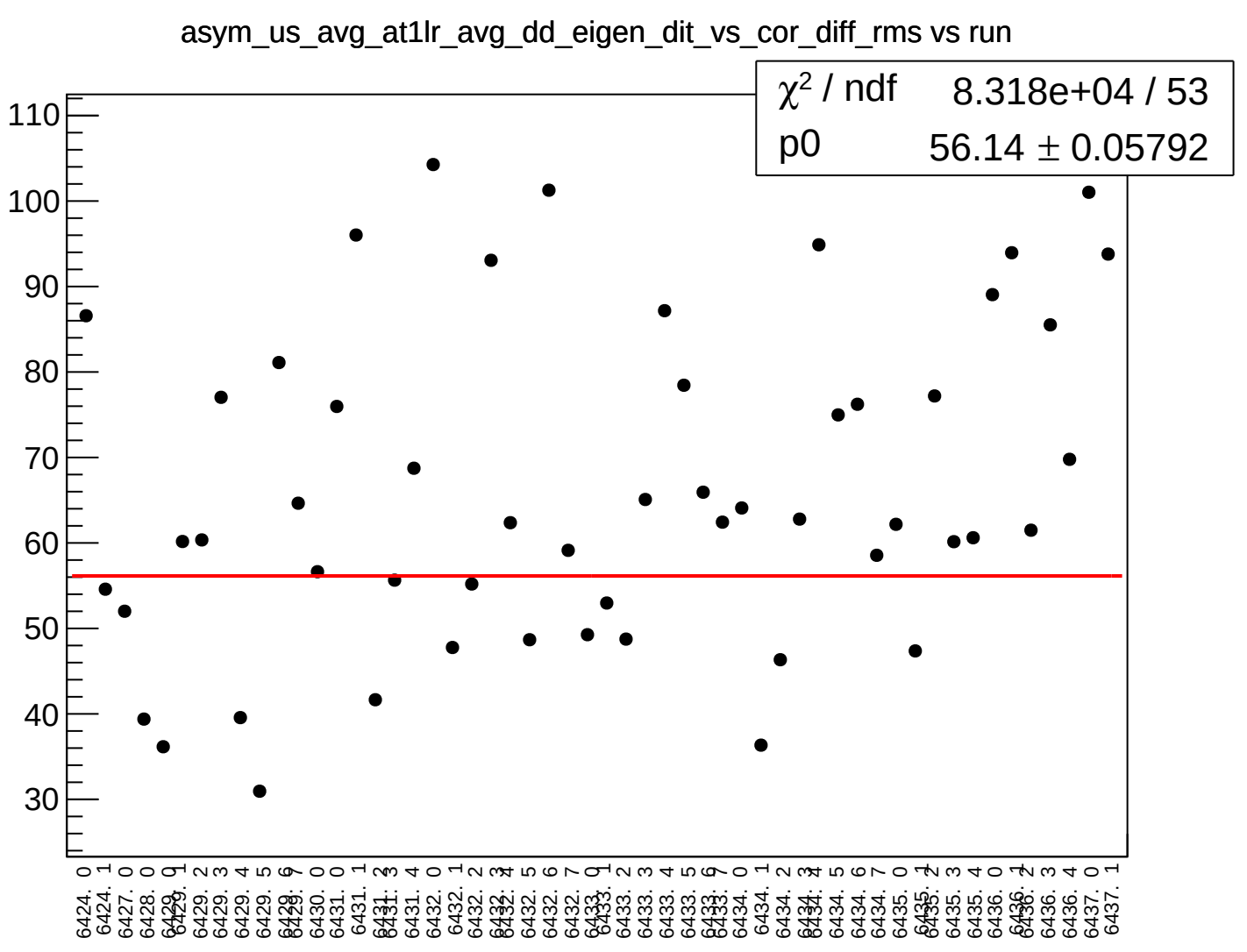

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.317e+04 / 53
p0 56.14 ± 0.05792
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

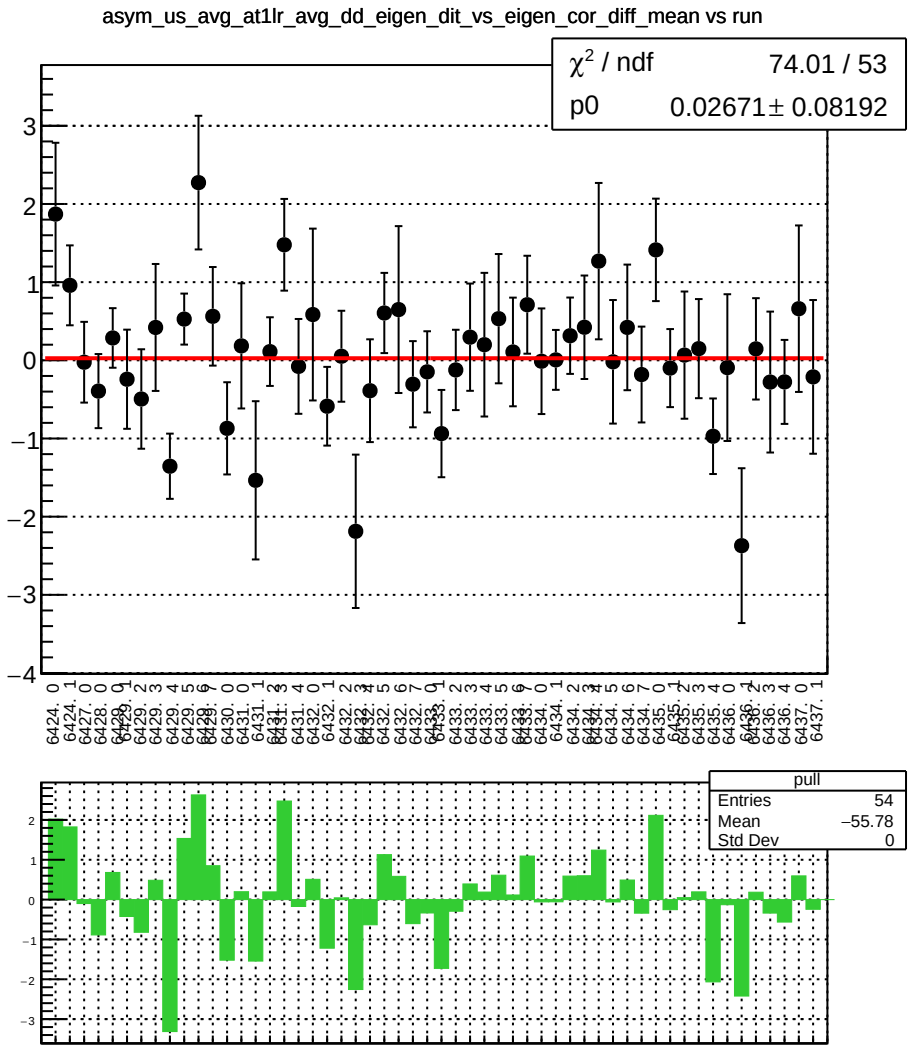

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.73 / 53
p0 6.33e−06 ± 6.227e−06
pull
Entries 54
Mean −46.99
Std Dev 0

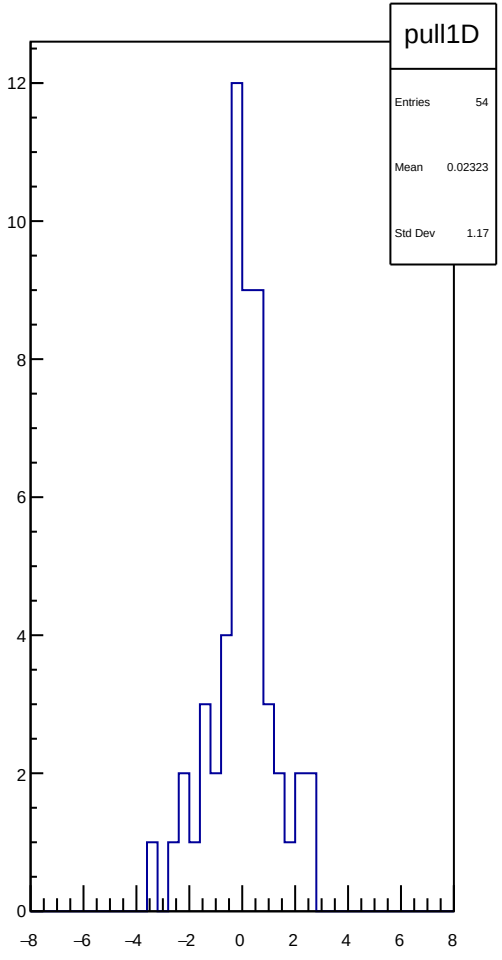

pull1D
Entries 54
Mean 0.01084
Std Dev 1.253

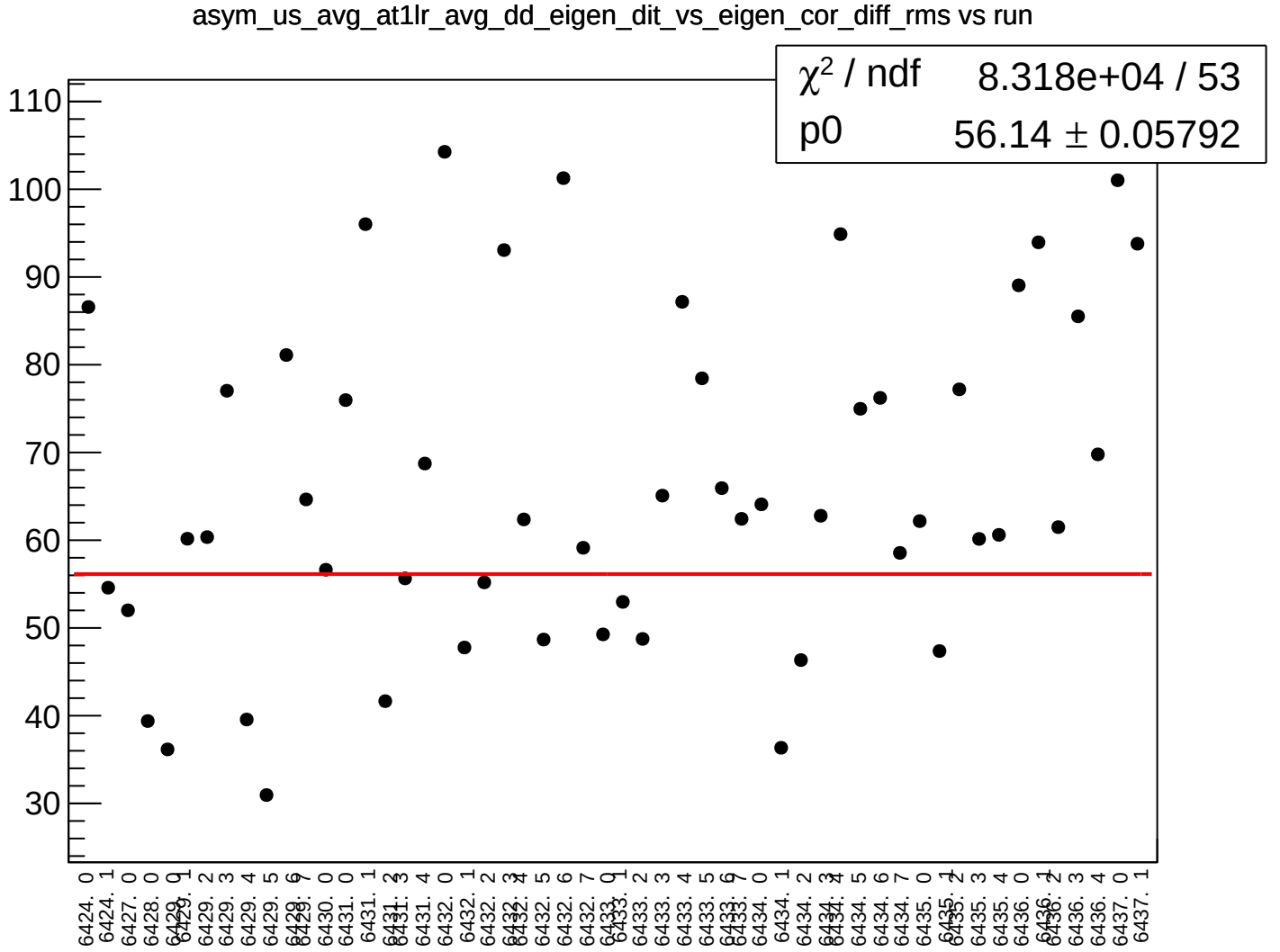

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2292 / 53
p0 0.004447 ± 4.403e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.01 / 53
p0 0.02671 ± 0.08192
pull
Entries 54
Mean −55.78
Std Dev 0
pull1D
Entries 54
Mean 0.02323
Std Dev 1.17


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.318e+04 / 53
p0 56.14 ± 0.05792
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.01 / 53
p0 0.02671 ± 0.08192
pull
Entries 54
Mean −55.78
Std Dev 0


pull1D
Entries 54
Mean 0.02323
Std Dev 1.17


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.318e+04 / 53
p0 56.14 ± 0.05792
110
100
90
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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6435. 2
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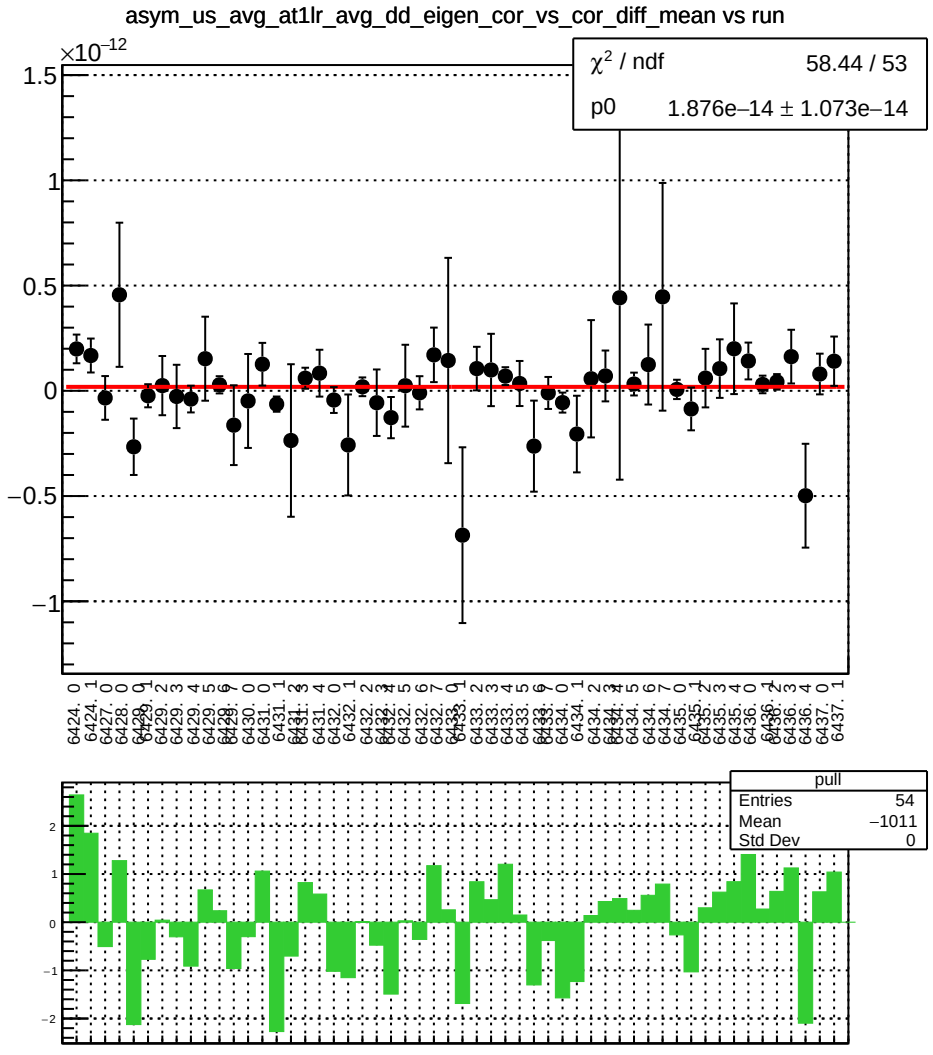
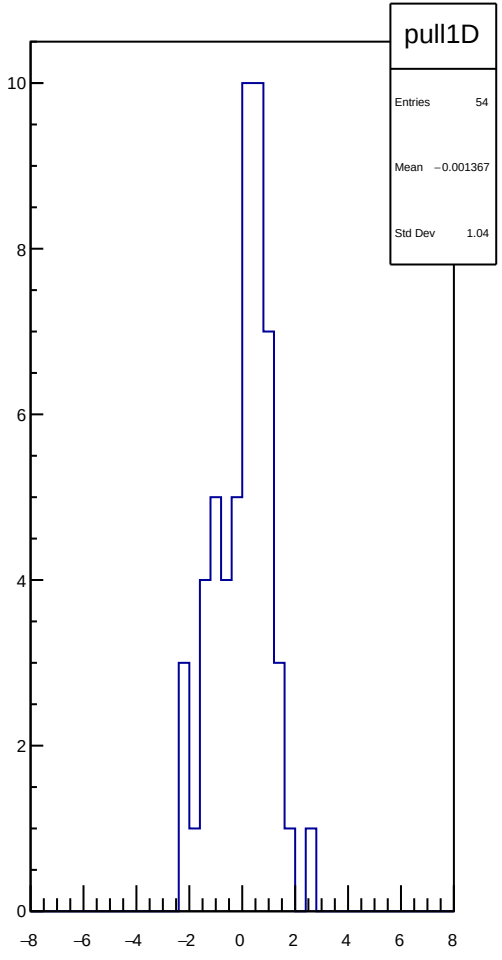
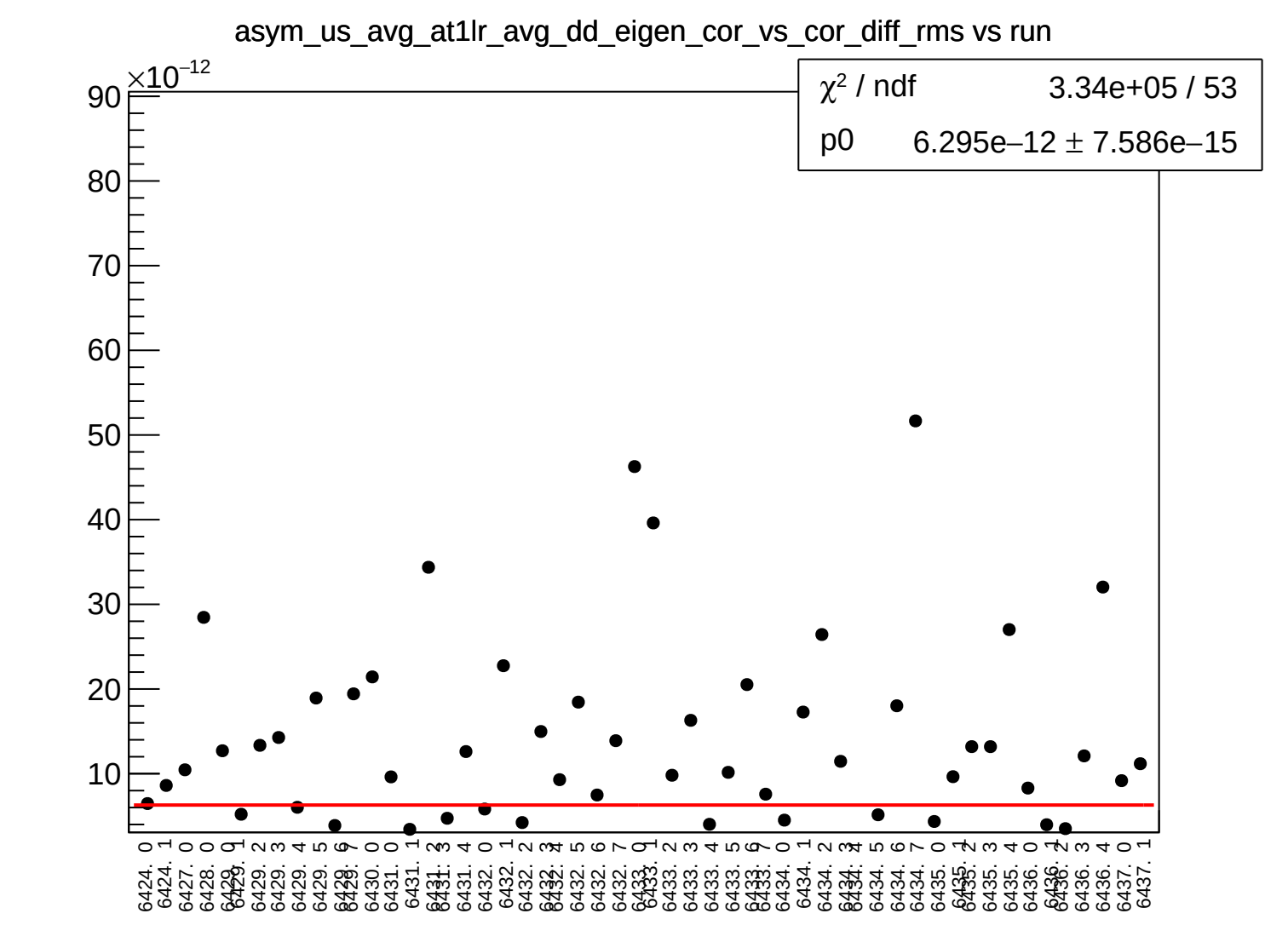
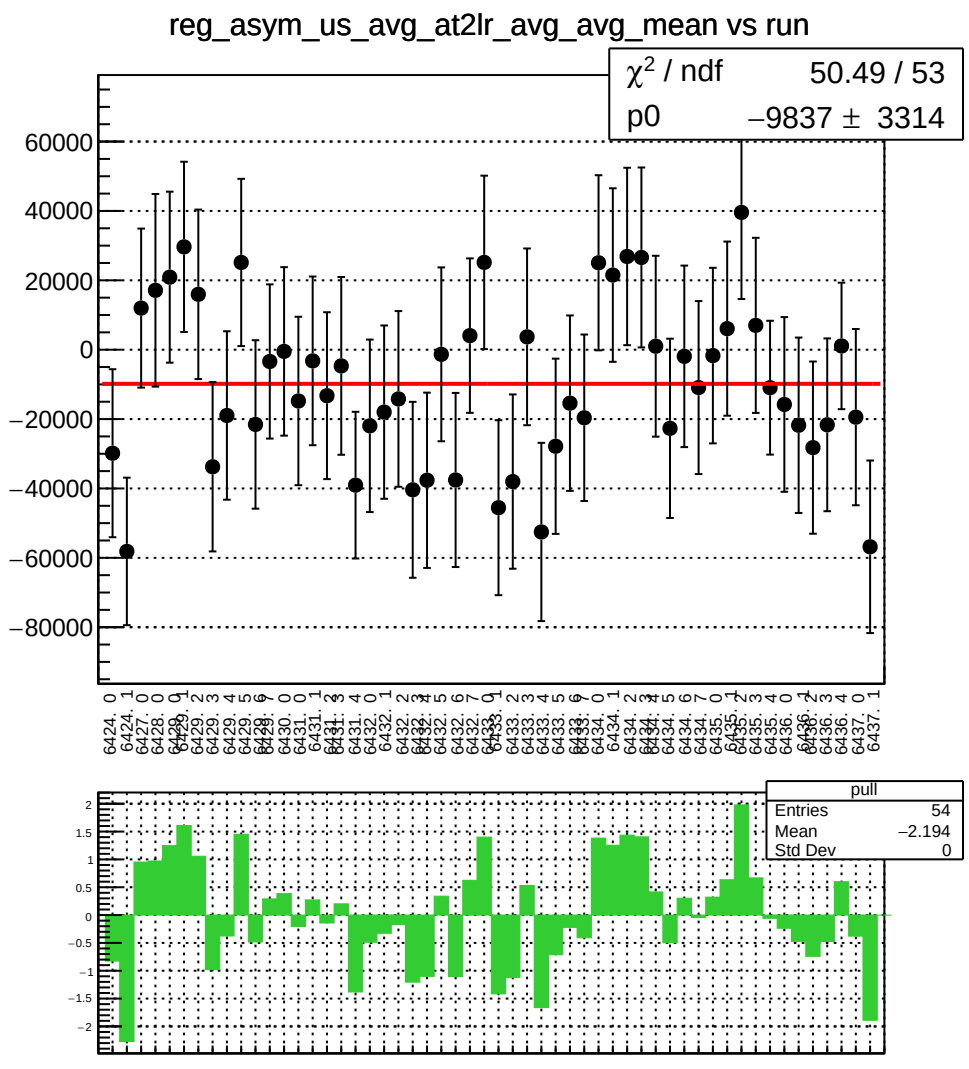
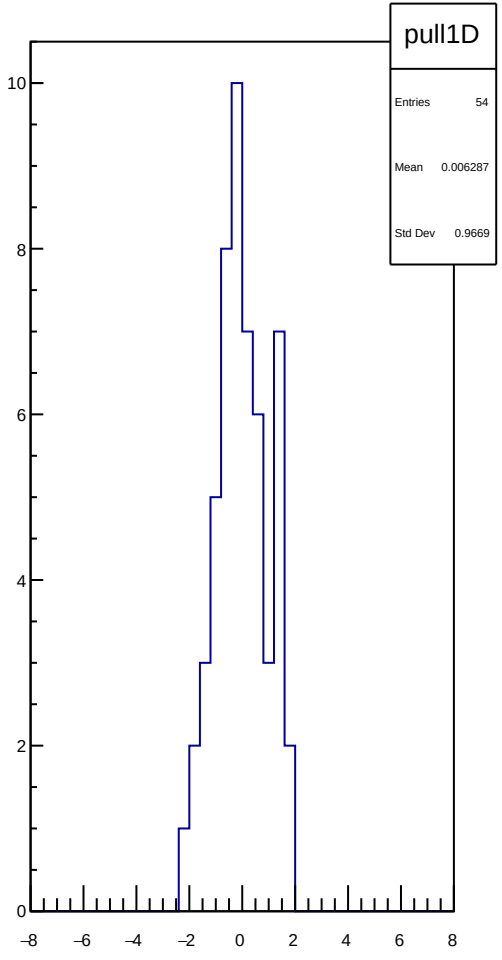
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

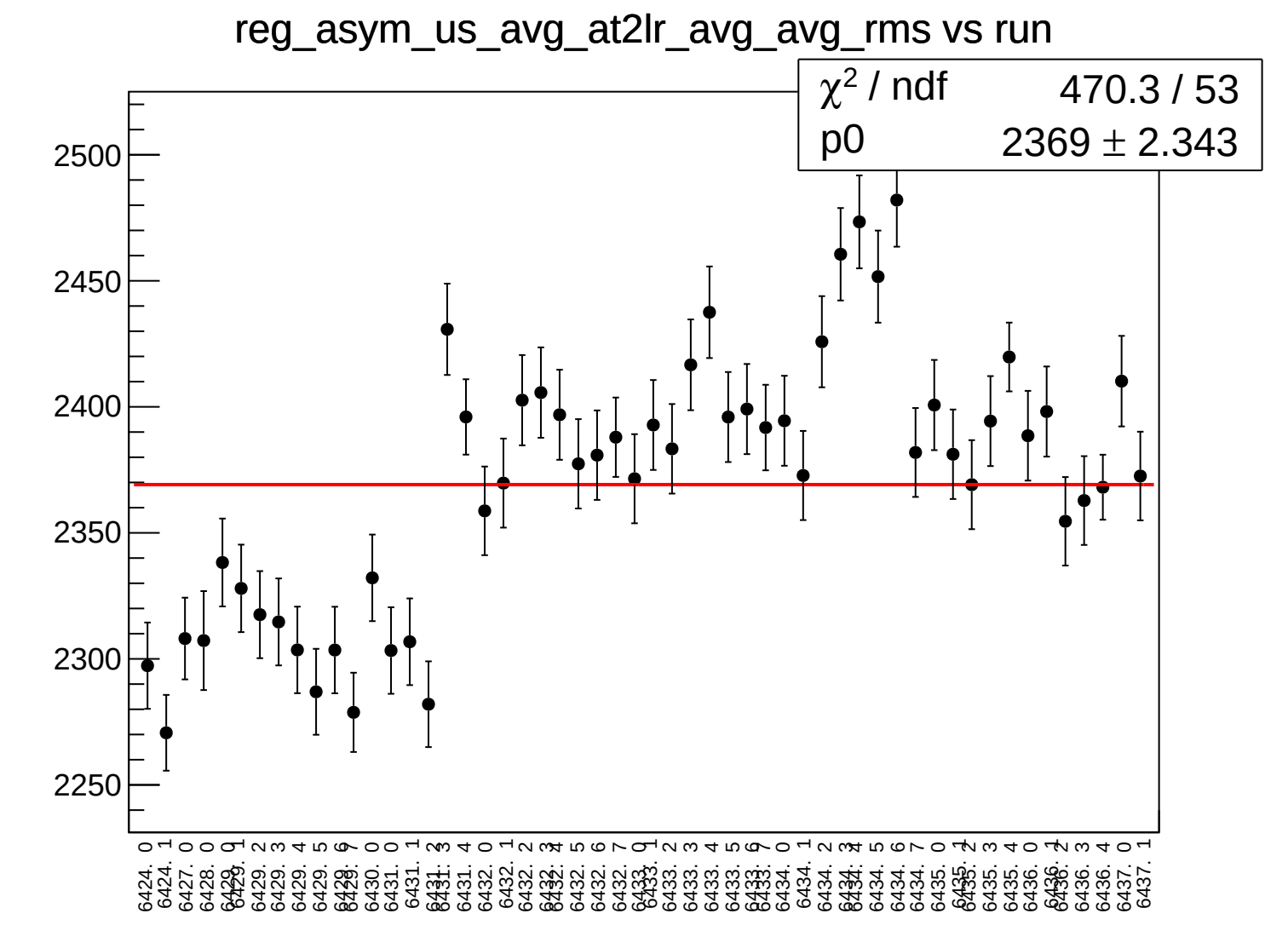

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.44 / 53
p0 1.876e−14 ± 1.073e−14
pull
Entries 54
Mean −1011
Std Dev 0

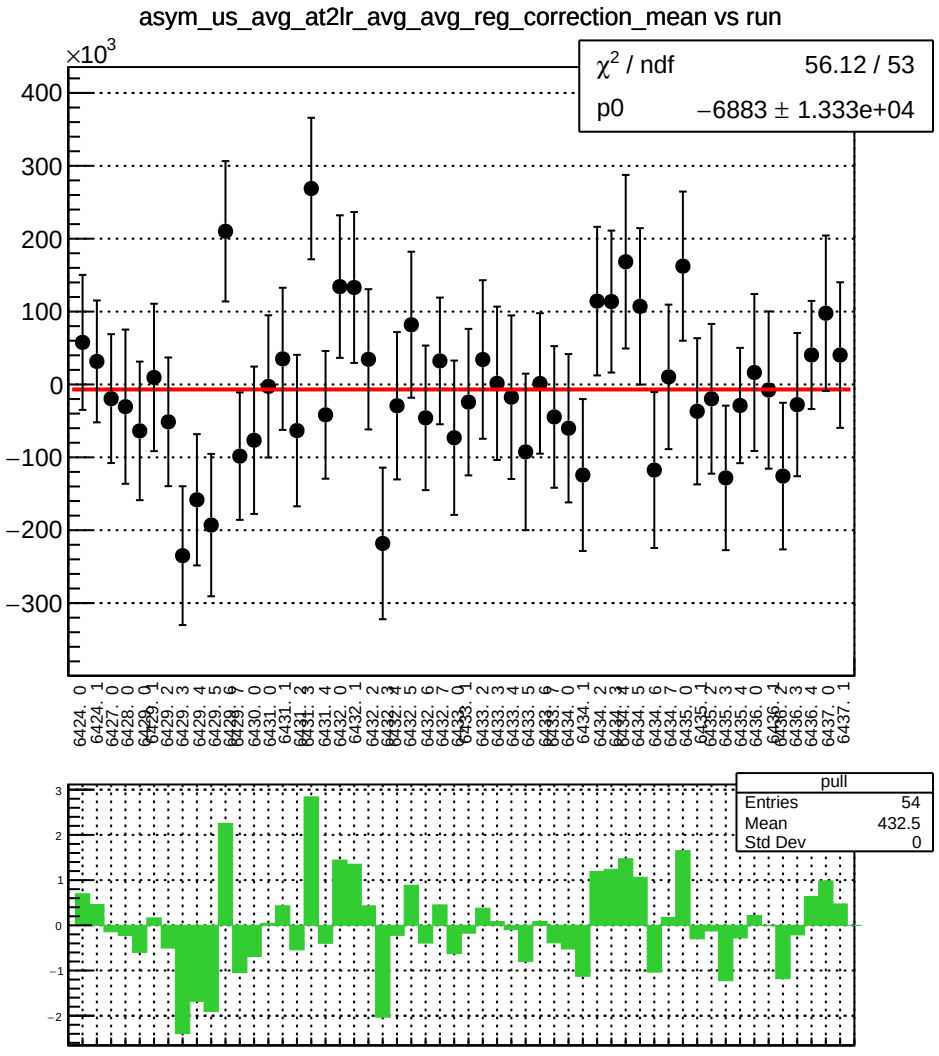

pull1D
Entries 54
Mean −0.001367
Std Dev 1.04

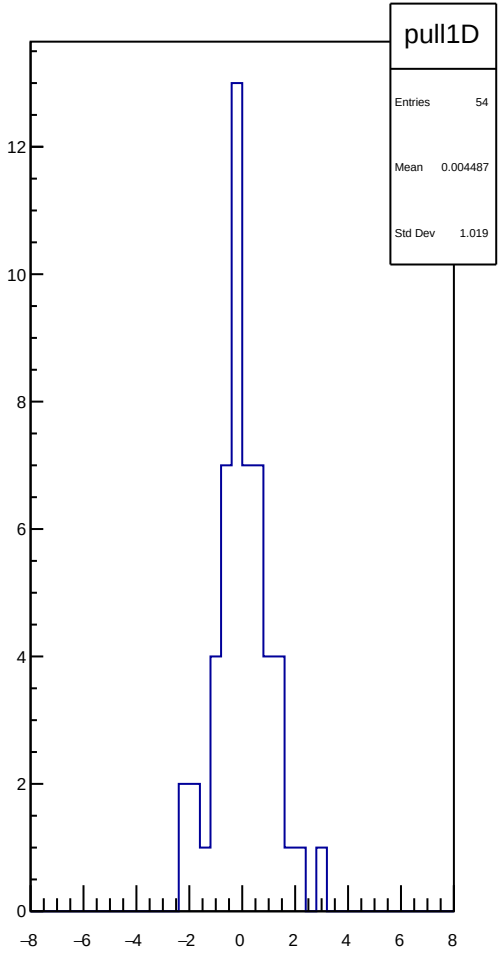

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.34e+05 / 53
p0 6.295e−12 ± 7.586e−15
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

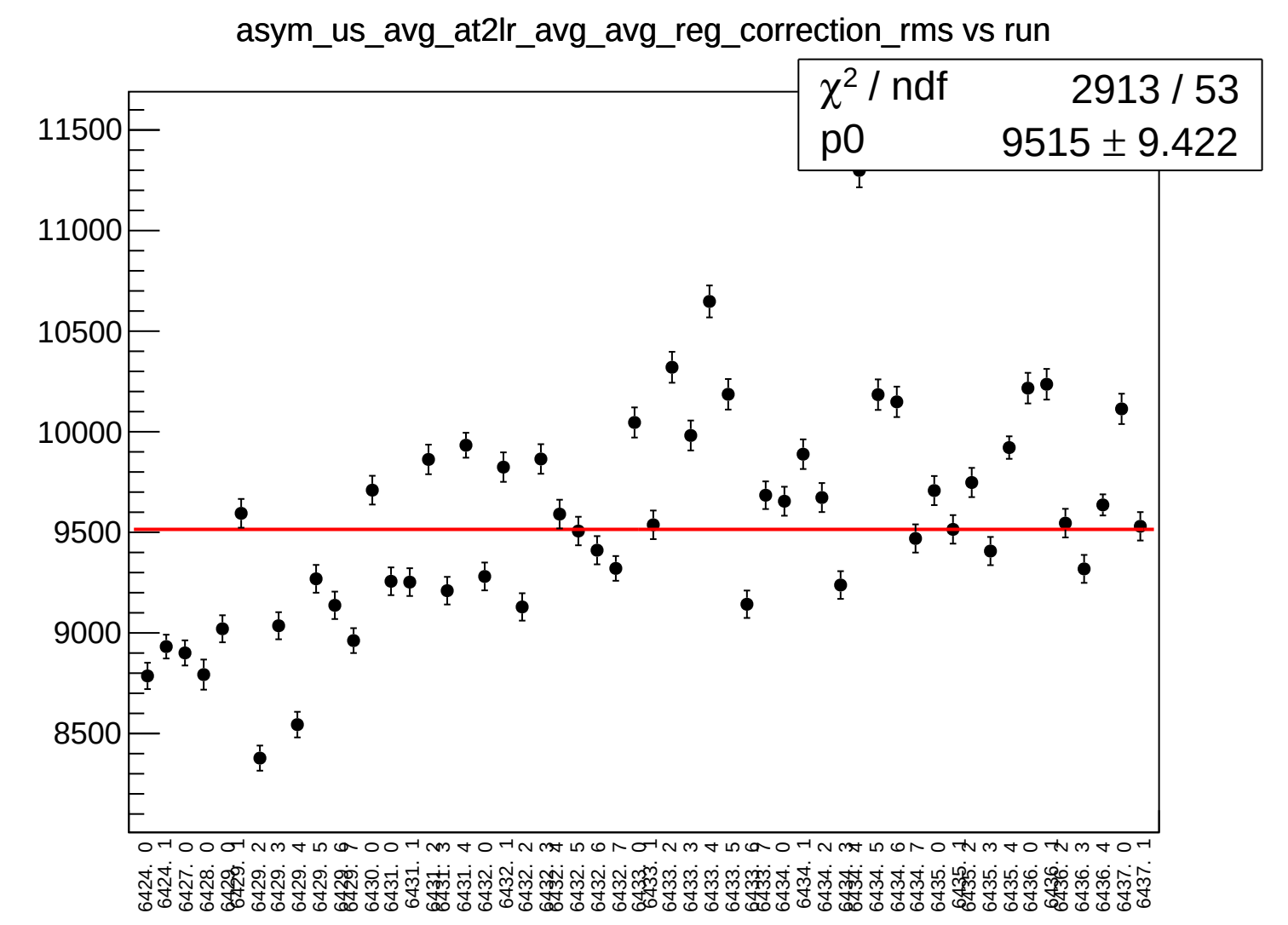

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 50.49 / 53
p0 −9837 ± 3314
pull
Entries 54
Mean −2.194
Std Dev 0

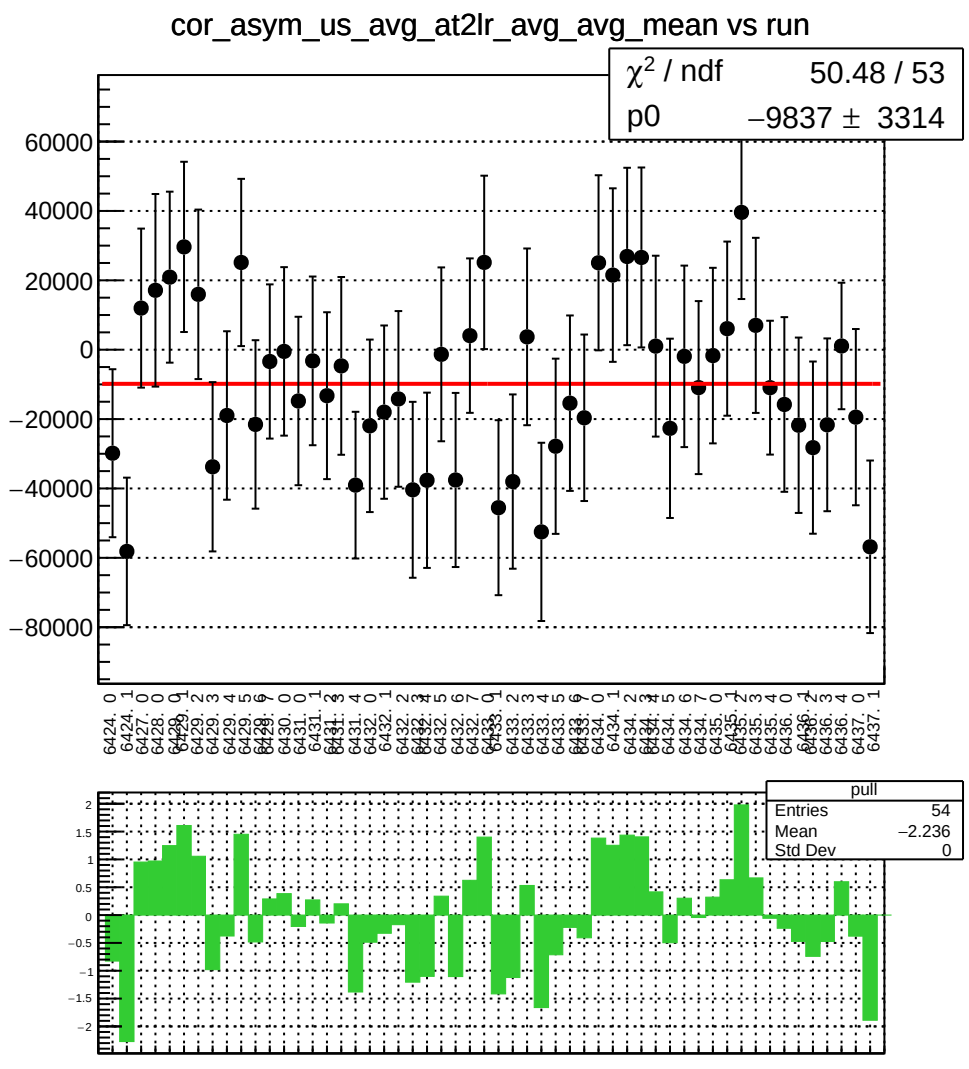

pull1D
Entries 54
Mean 0.006287
Std Dev 0.9669

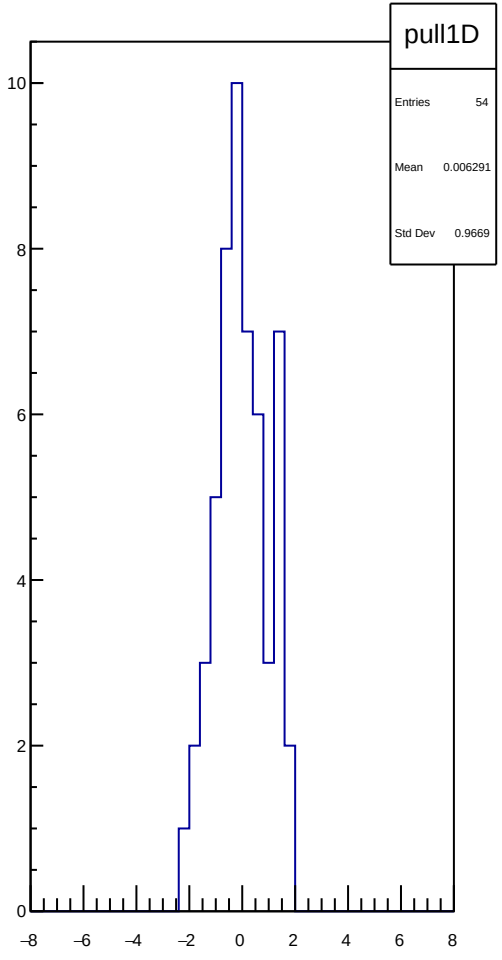

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 470.3 / 53
p0 2369 ± 2.343
2500
2450
2400
2350
2300
2250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

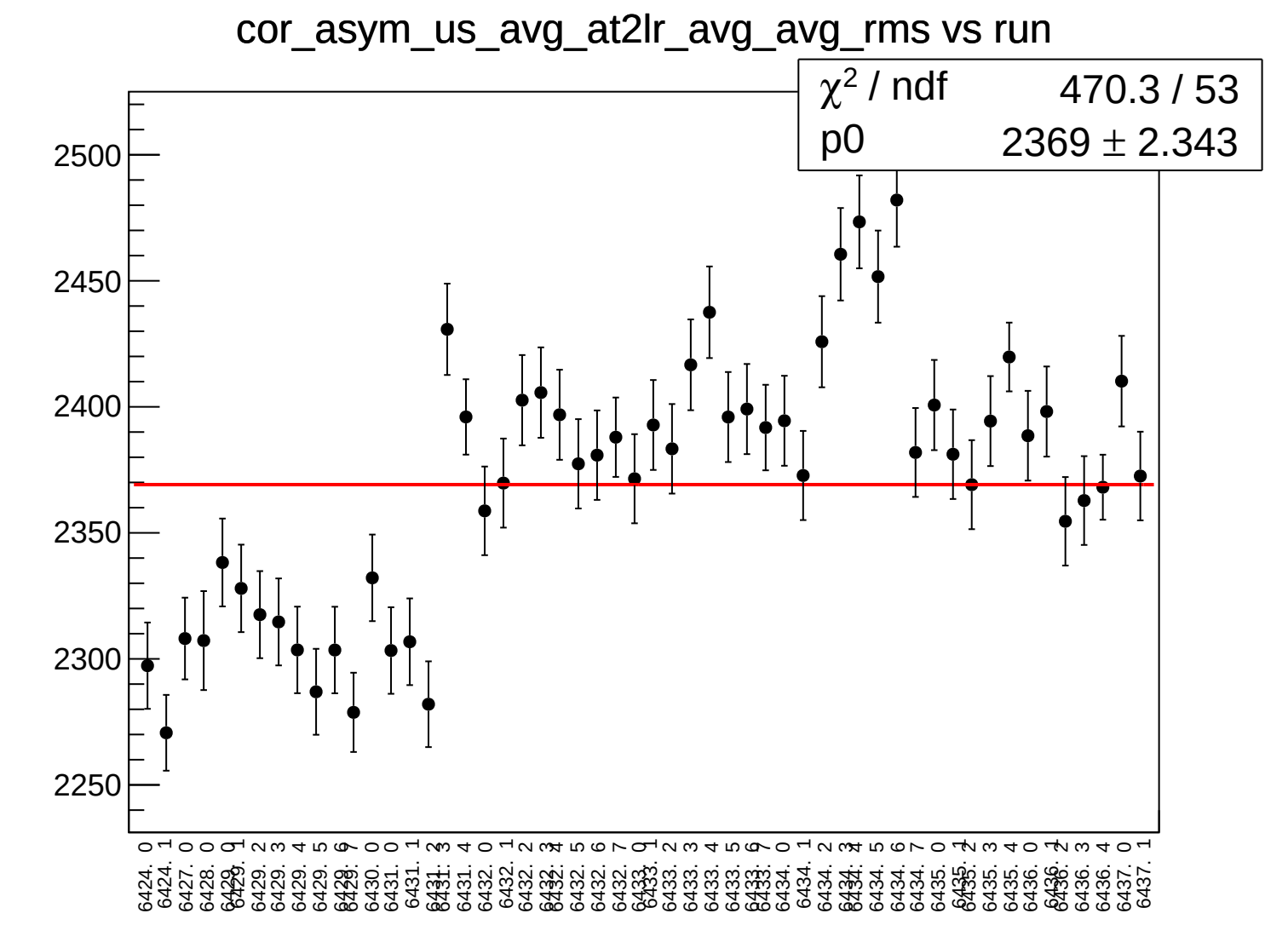

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.12 / 53
p0 −6883 ± 1.333e+04
pull
Entries 54
Mean 432.5
Std Dev 0

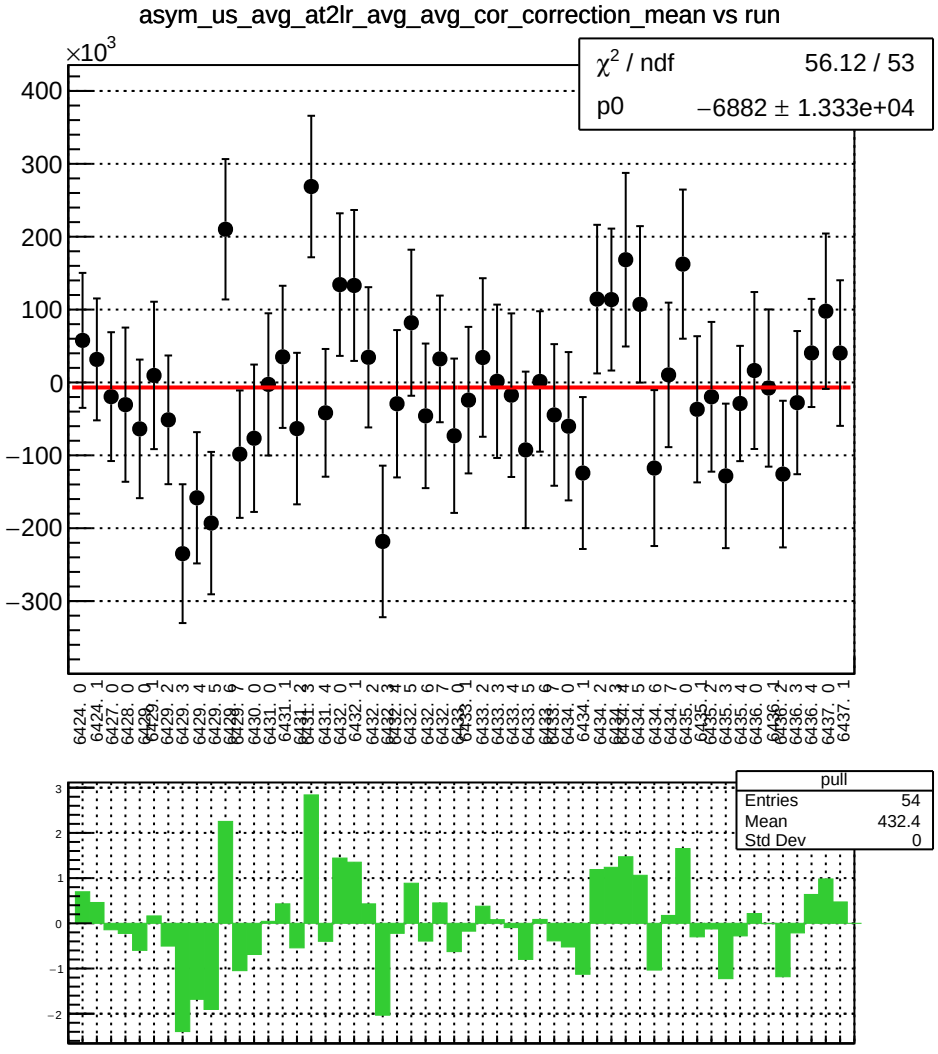

pull1D
Entries 54
Mean 0.004487
Std Dev 1.019

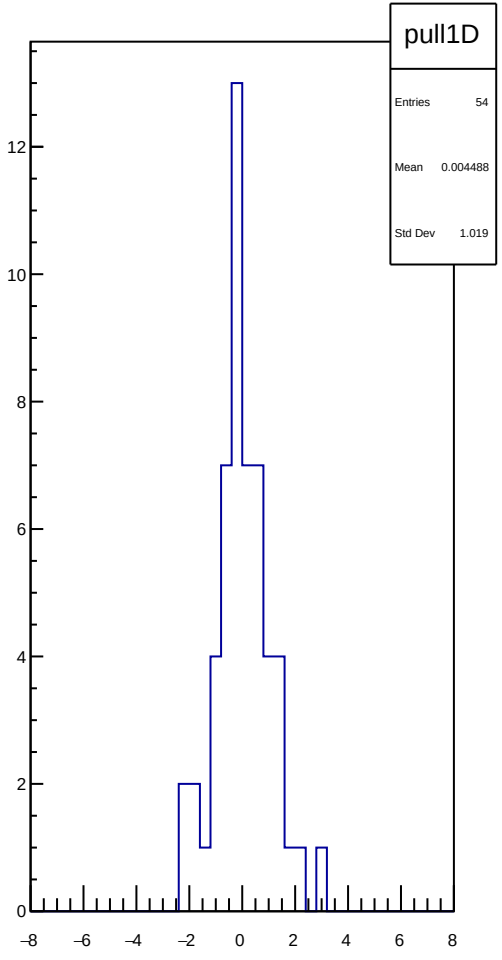

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2913 / 53
p0 9515 ± 9.422
11500
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

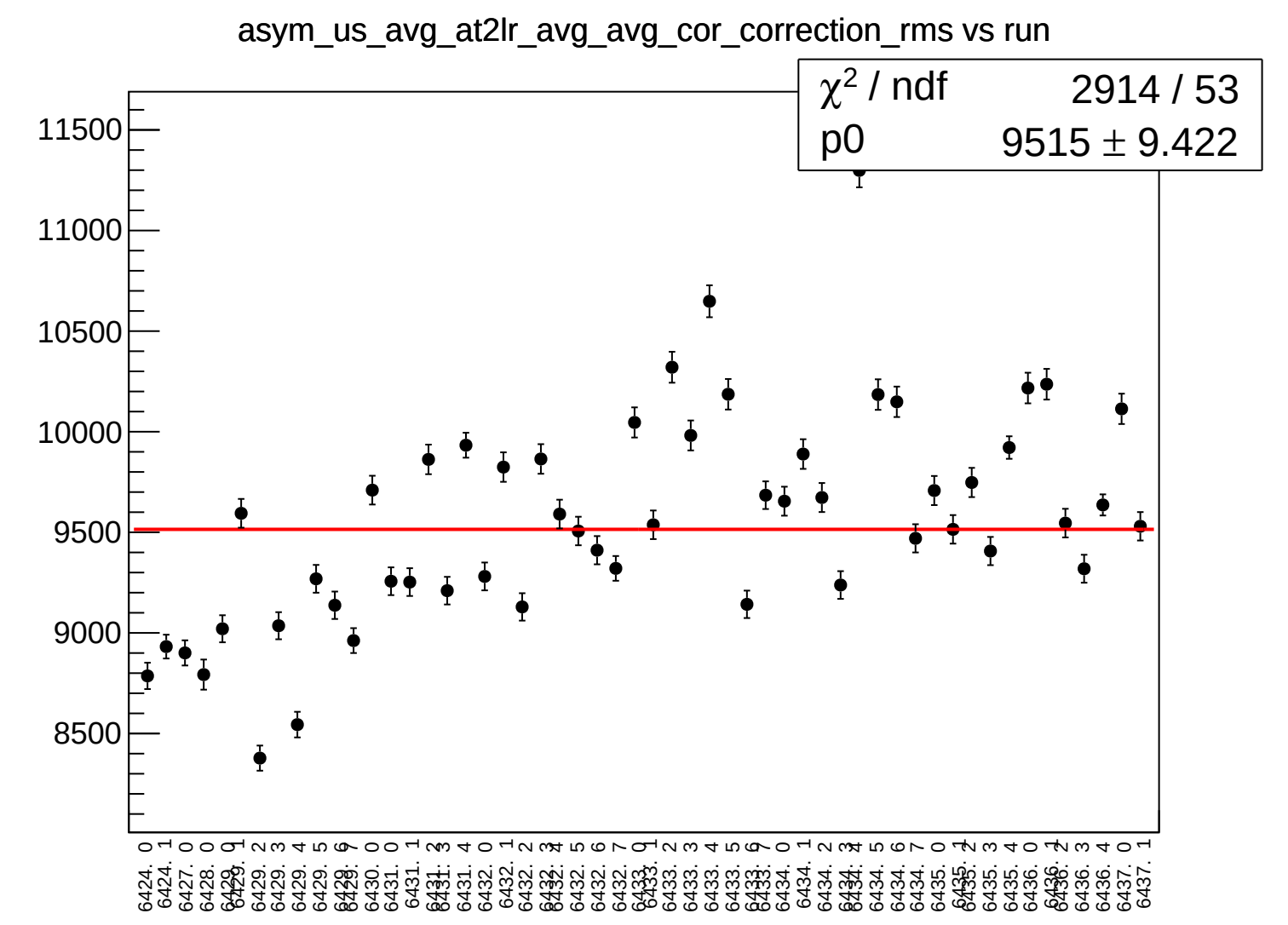

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 50.48 / 53
p0 −9837 ± 3314
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean −2.236
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

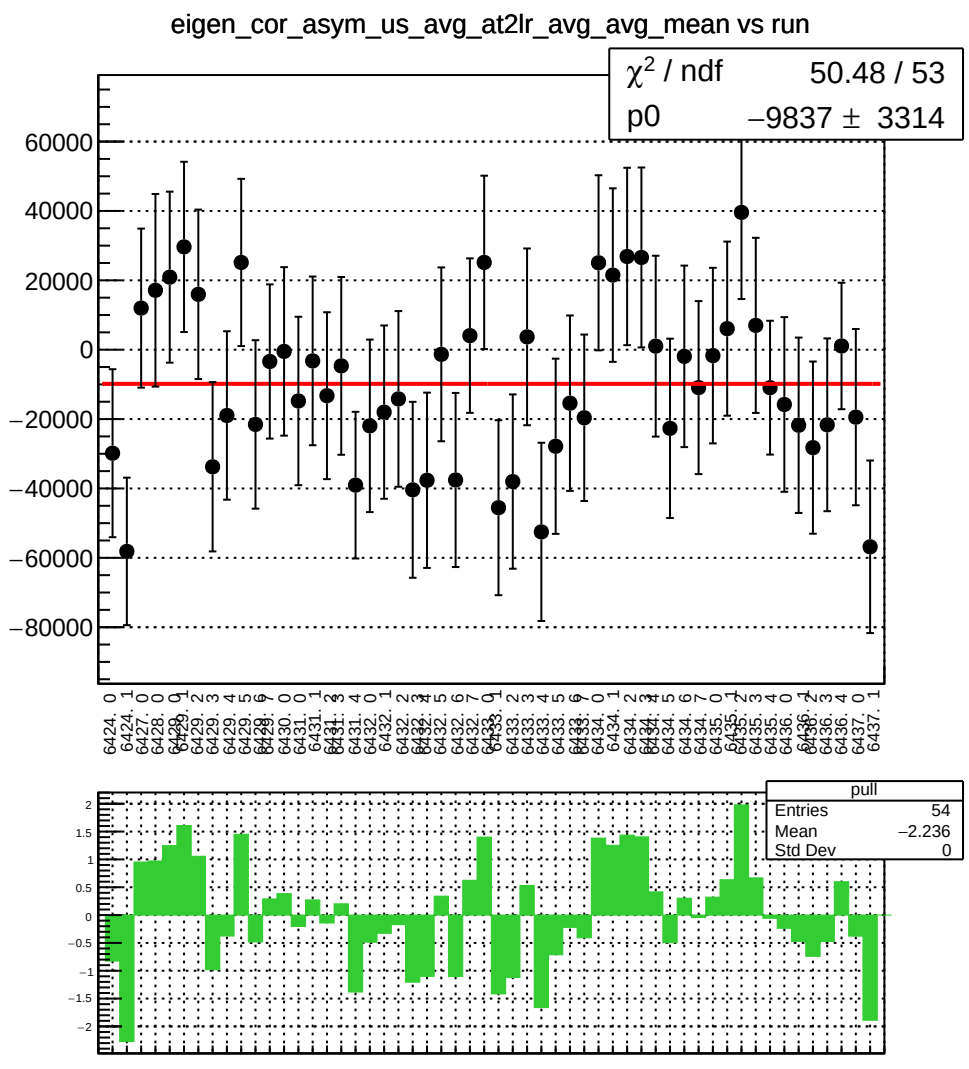

pull1D
Entries 54
Mean 0.006291
Std Dev 0.9669
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

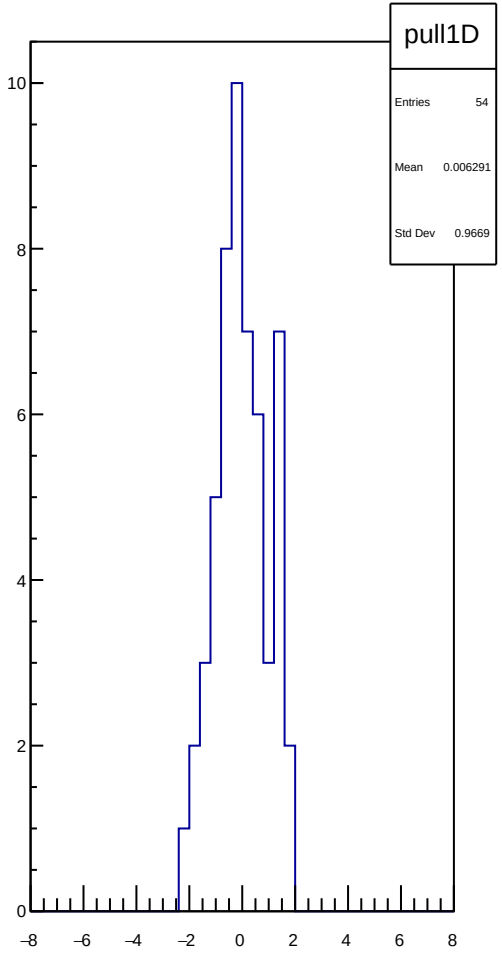

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 470.3 / 53
p0 2369 ± 2.343
2500
2450
2400
2350
2300
2250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

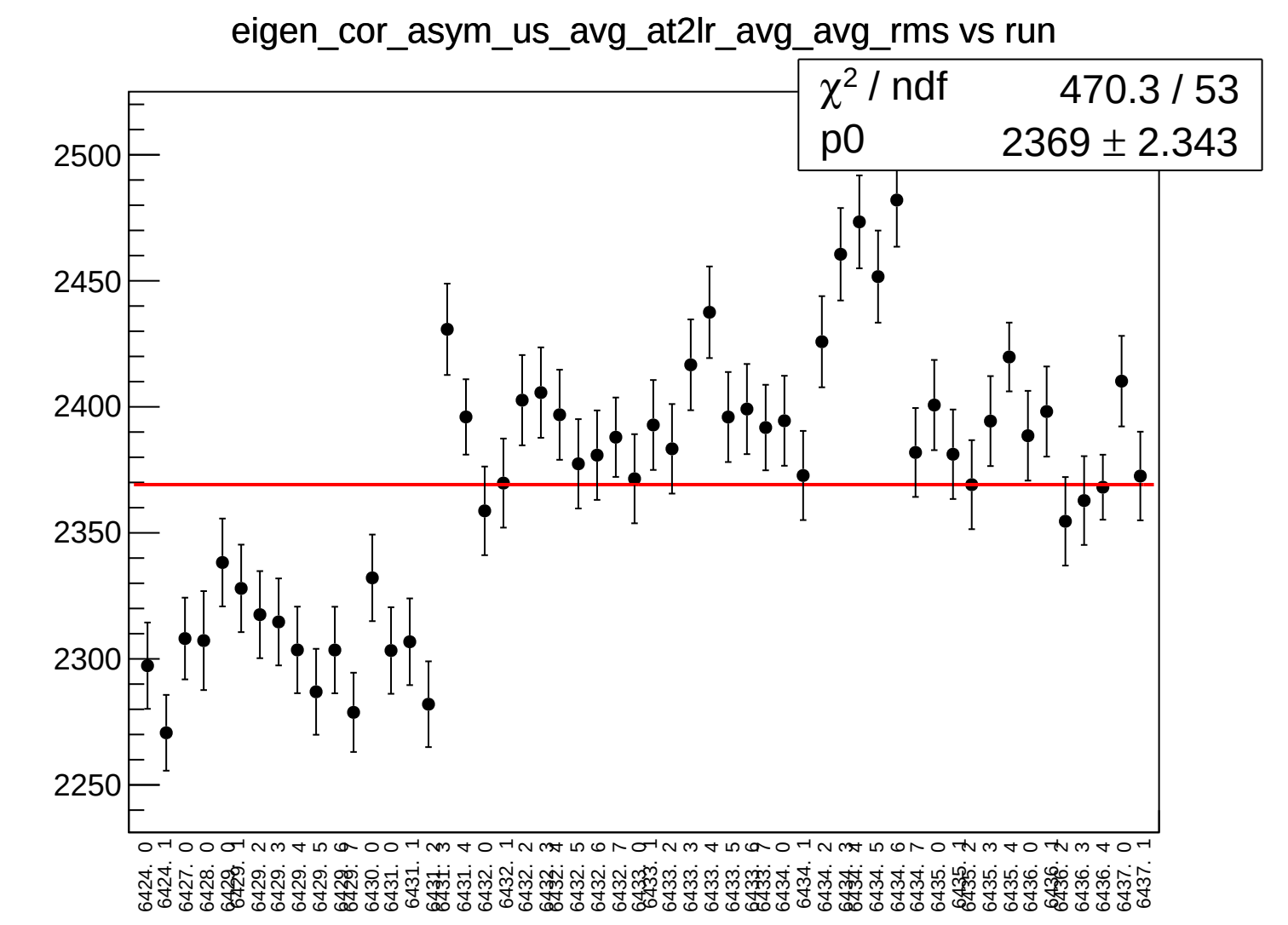

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.12 / 53
p0 −6882 ± 1.333e+04
pull
Entries 54
Mean 432.4
Std Dev 0

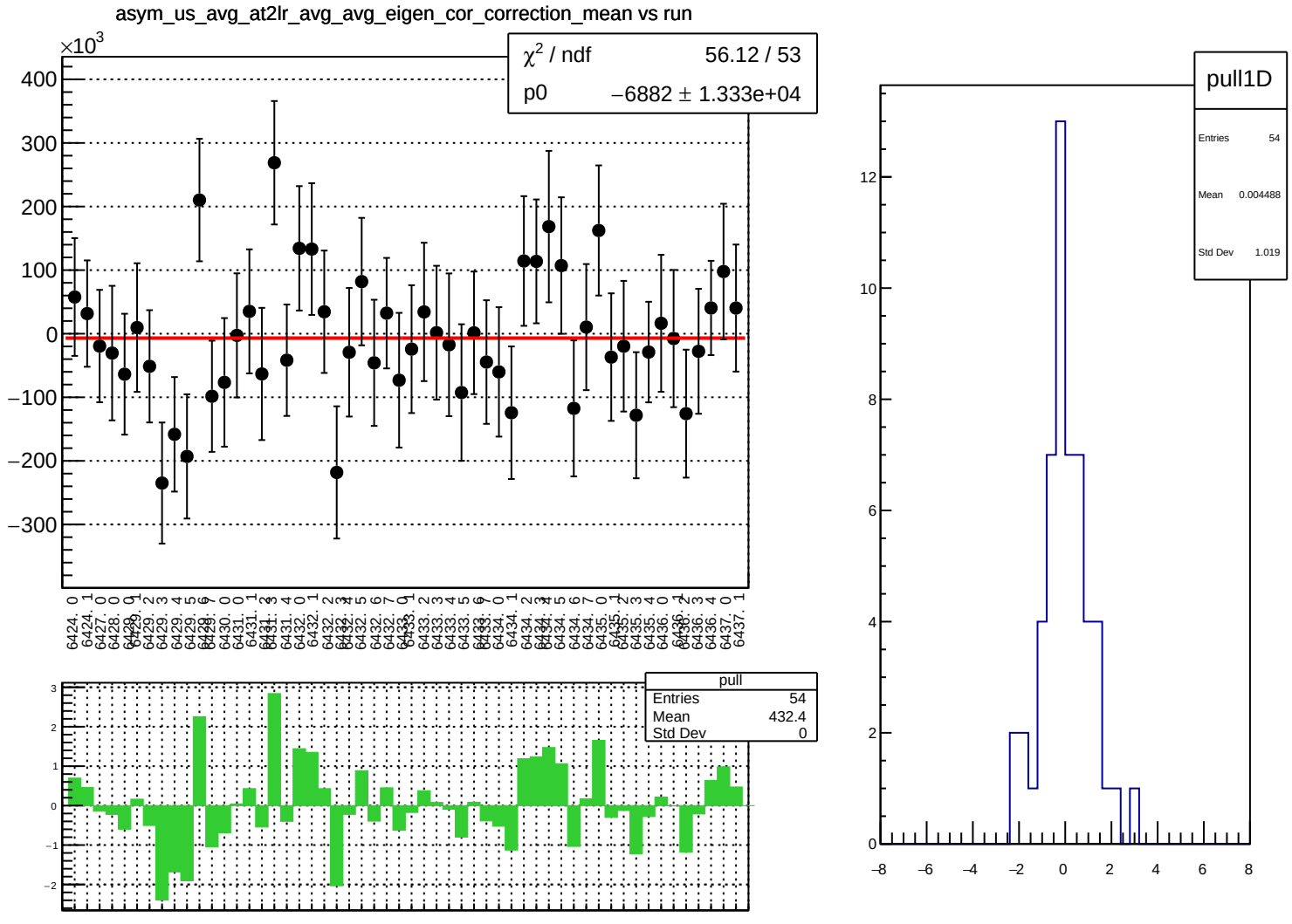

pull1D
Entries 54
Mean 0.004488
Std Dev 1.019

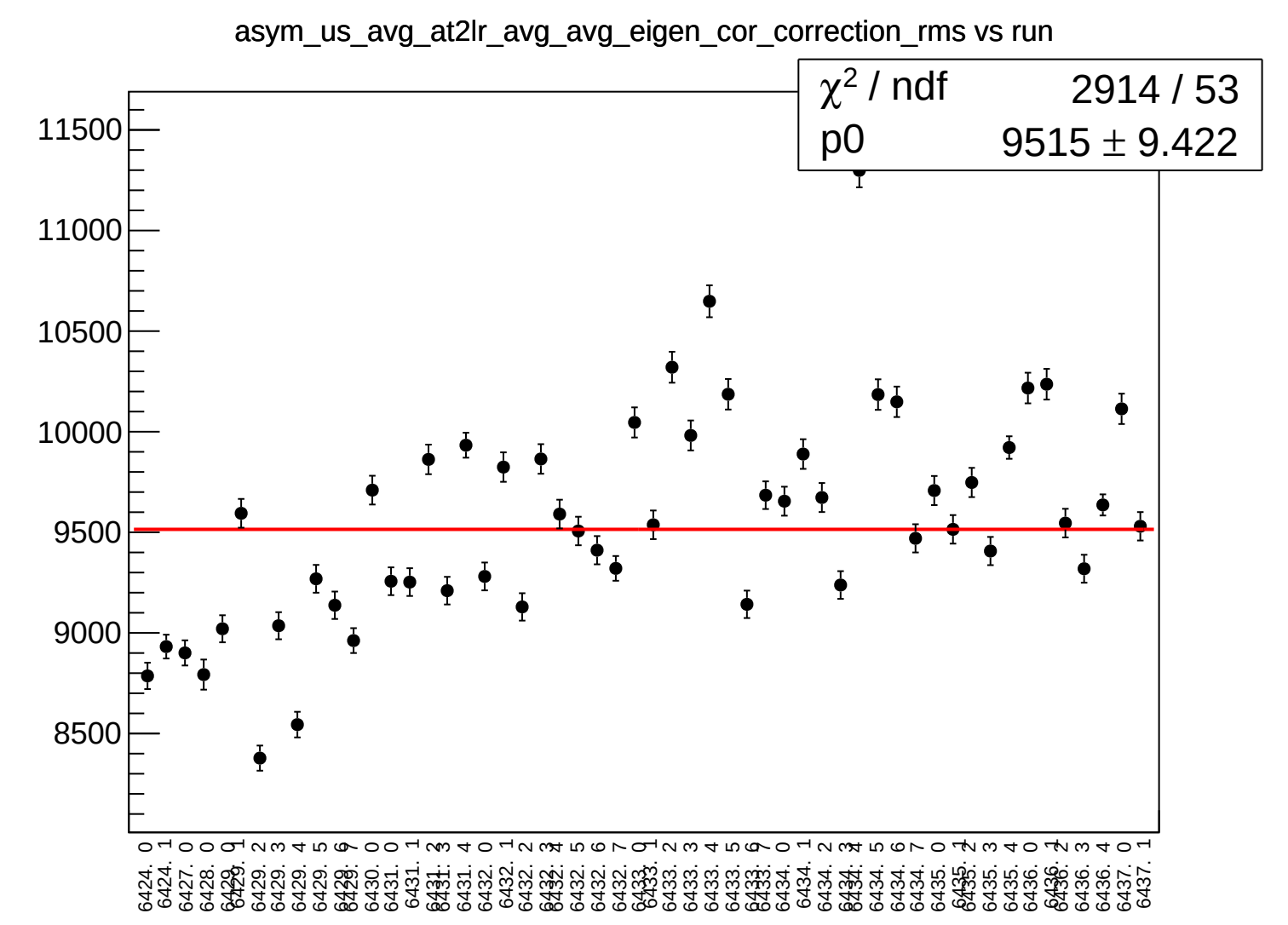

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ^2 / ndf 2914 / 53
p0 9515 ± 9.422
11500
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

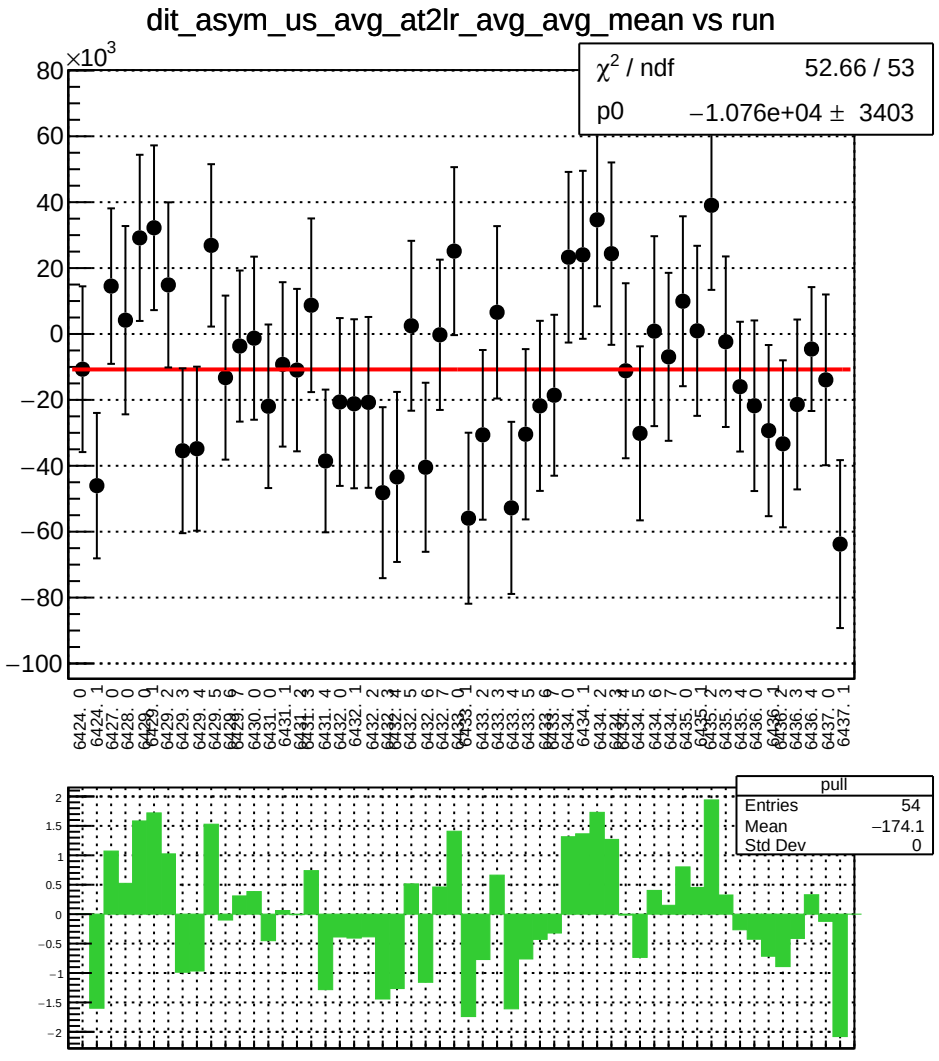

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 50.48 / 53
p0 −9837 ± 3314
pull
Entries 54
Mean −2.236
Std Dev 0

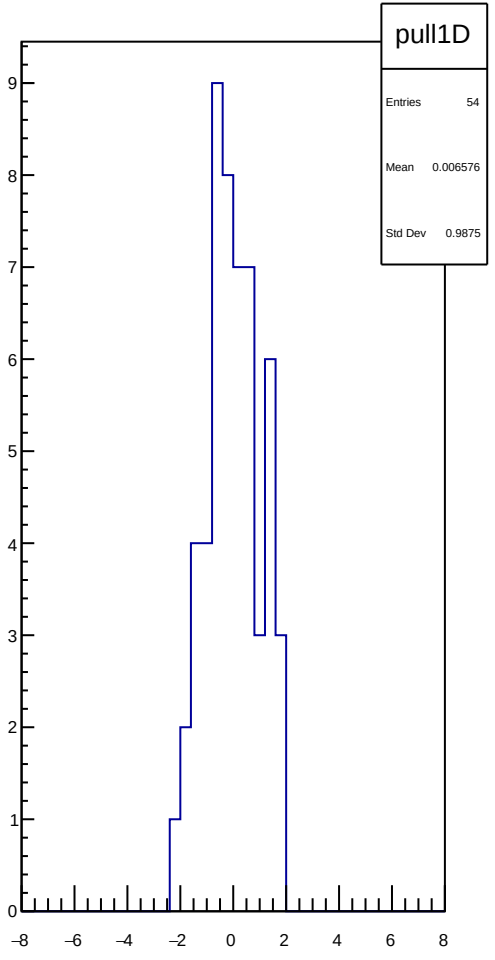

pull1D
Entries 54
Mean 0.006291
Std Dev 0.9669

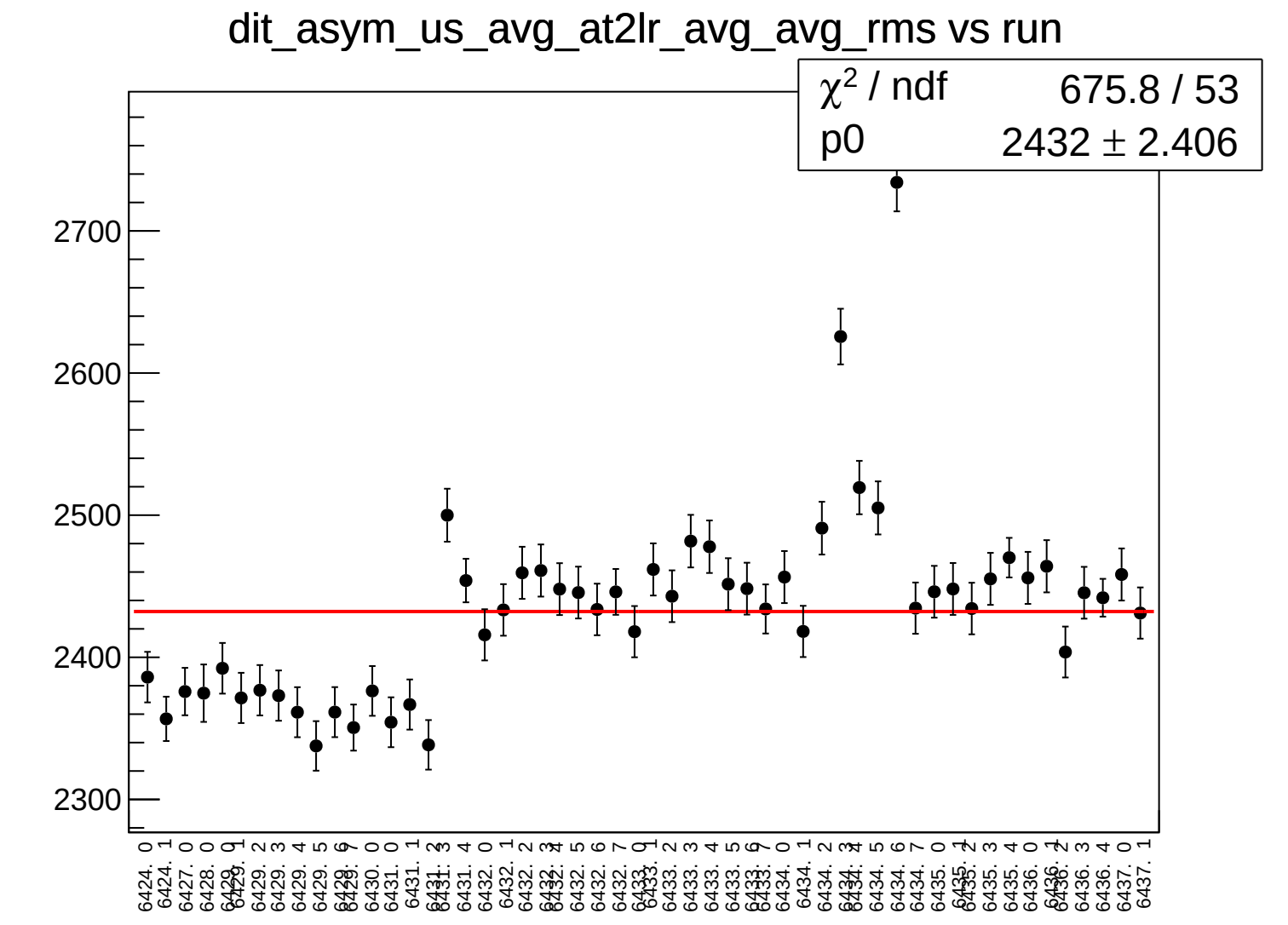

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 470.3 / 53
p0 2369 ± 2.343
2500
2450
2400
2350
2300
2250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

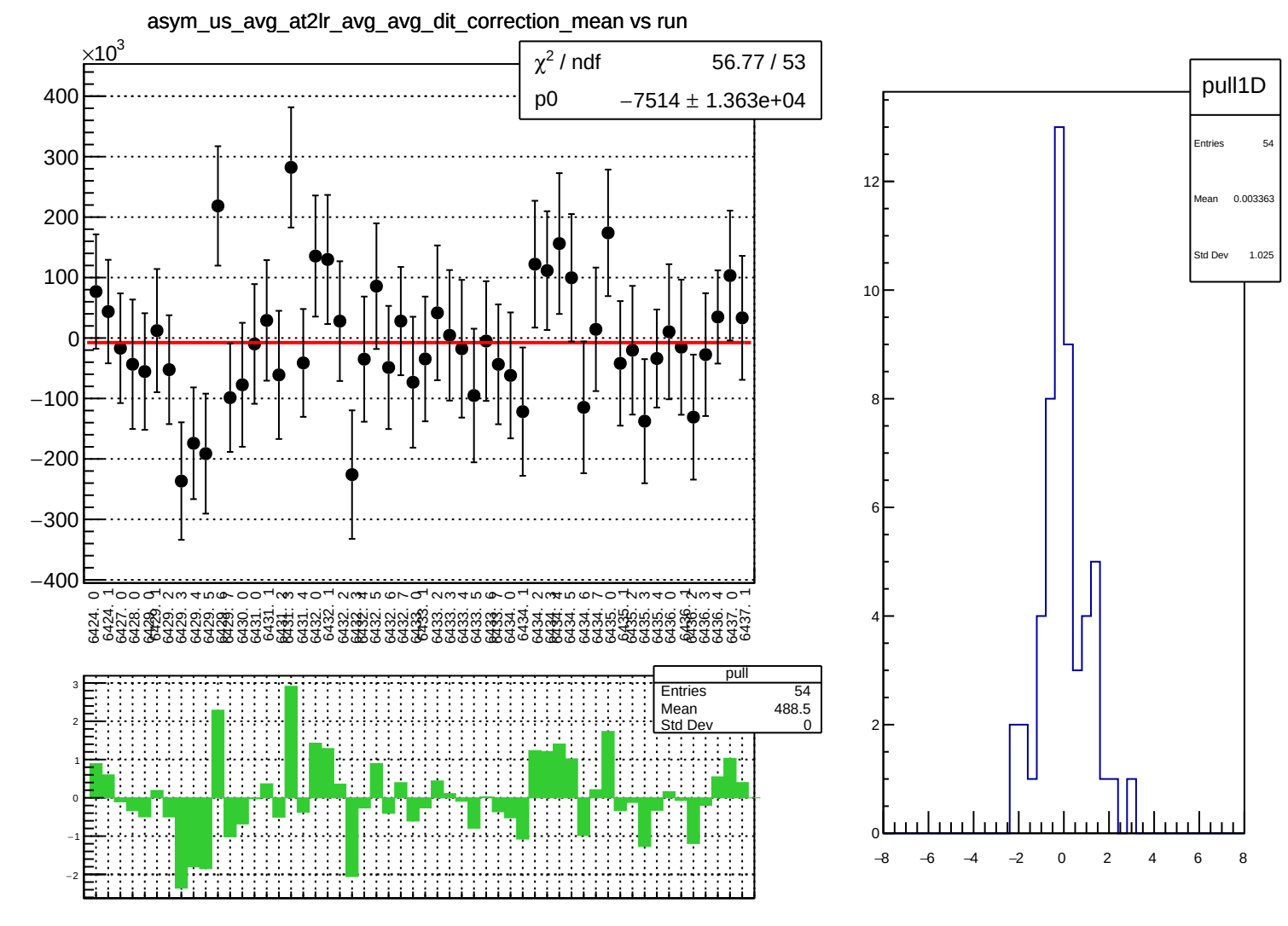

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.12 / 53
p0 −6882 ± 1.333e+04
pull
Entries 54
Mean 432.4
Std Dev 0
pull1D
Entries 54
Mean 0.004488
Std Dev 1.019

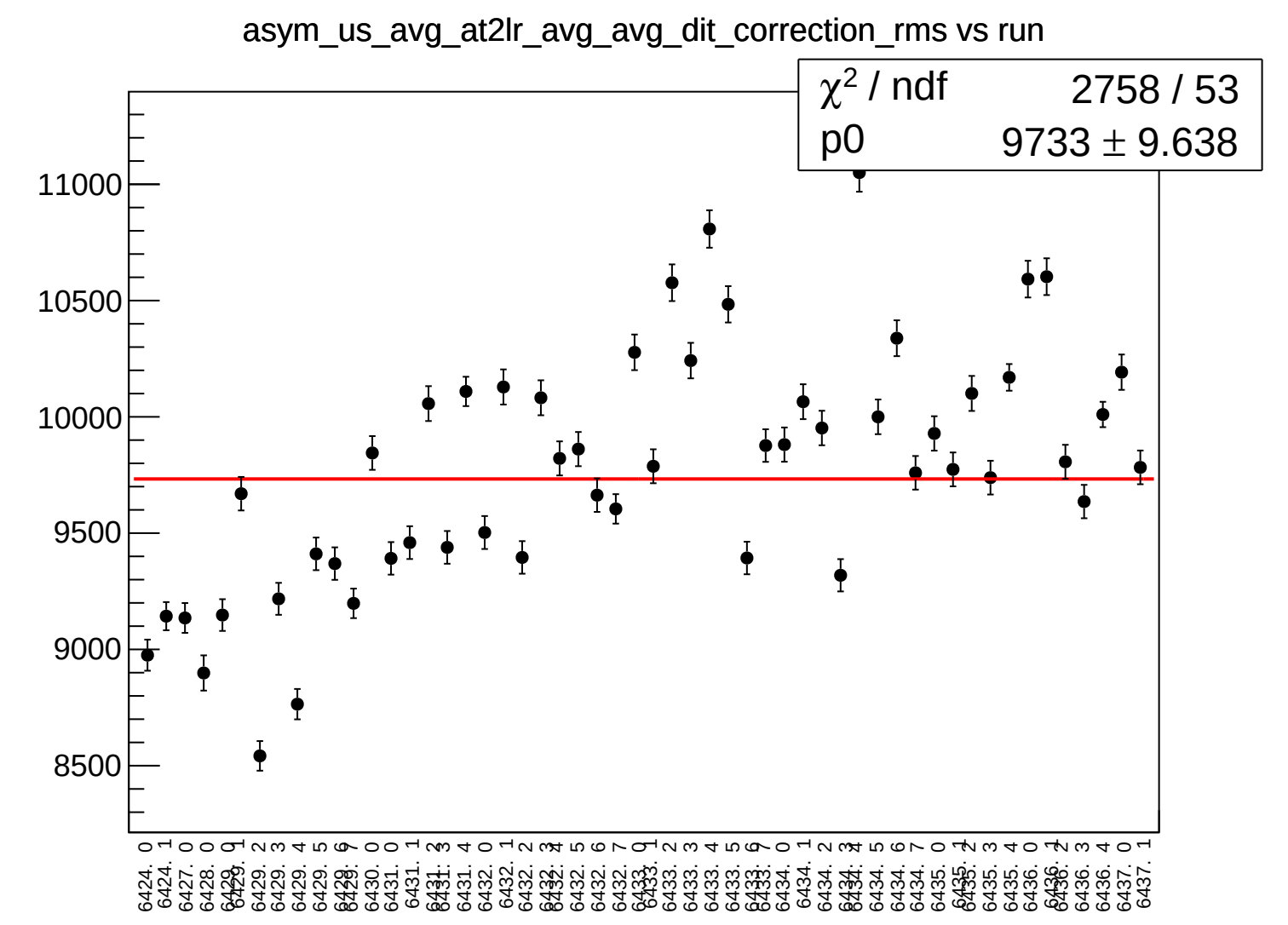

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2914 / 53
p0 9515 ± 9.422
11500
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

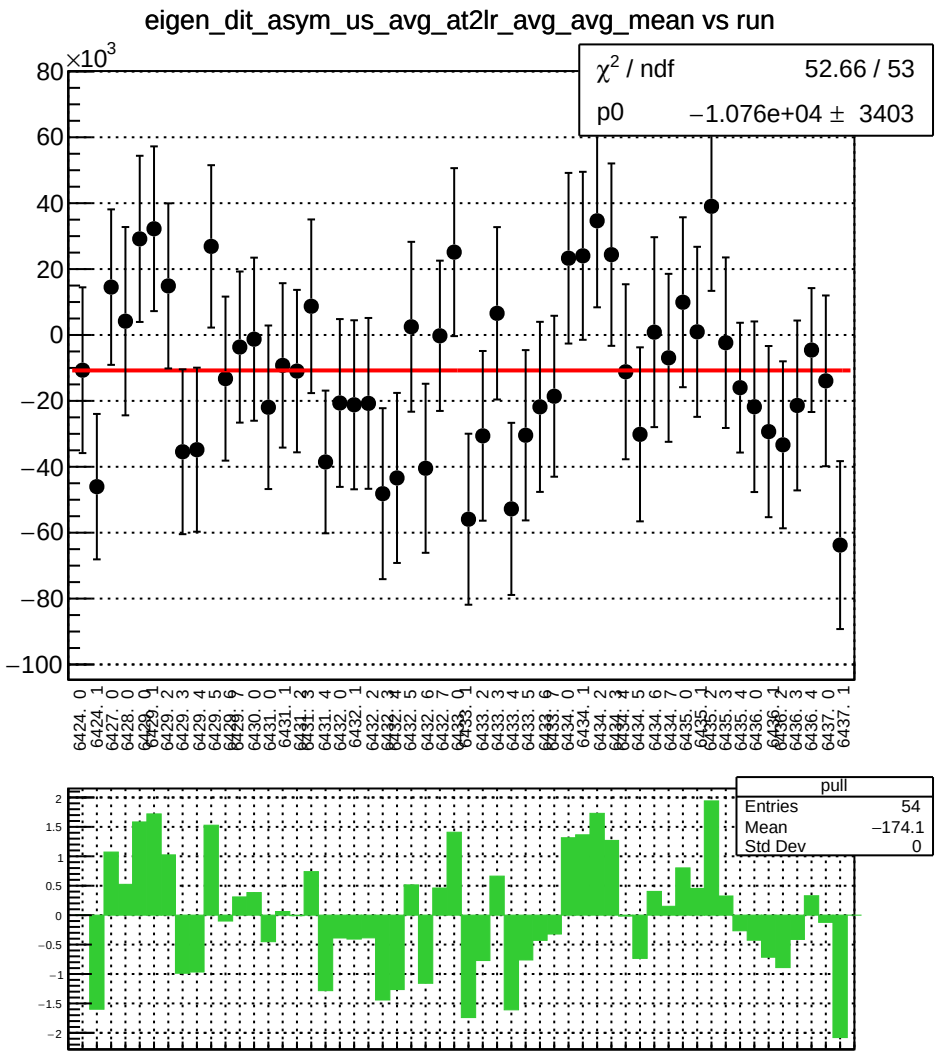

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 52.66 / 53
p0 −1.076e+04 ± 3403
×10³
pull
Entries 54
Mean −174.1
Std Dev 0

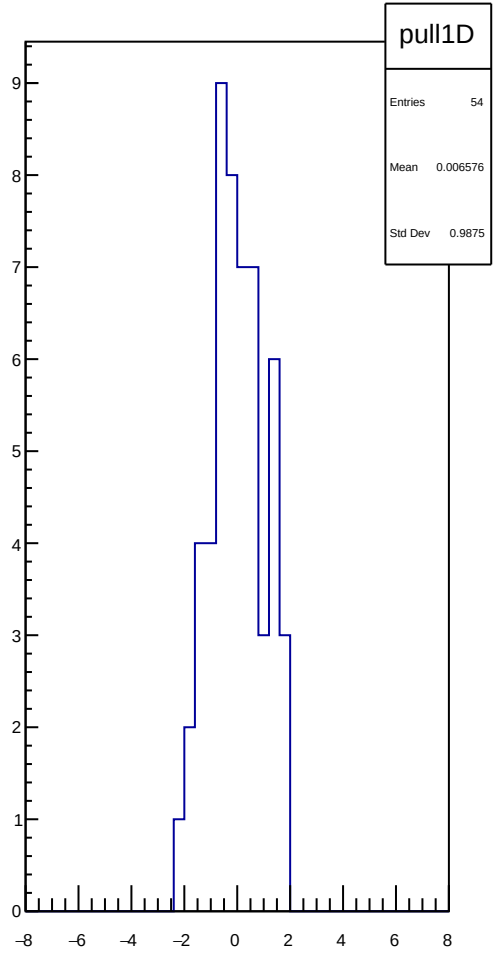

pull1D
Entries 54
Mean 0.006576
Std Dev 0.9875

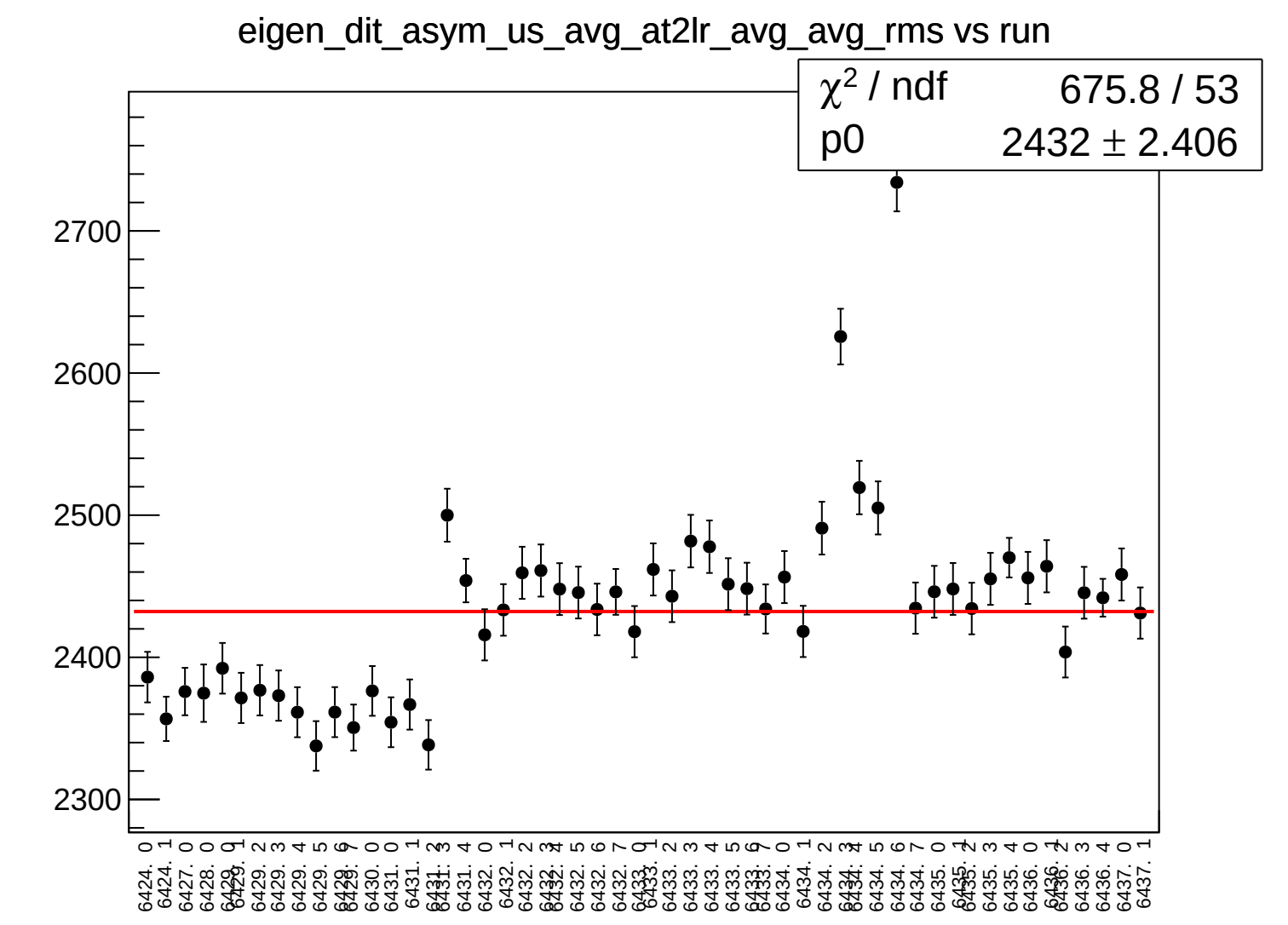

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 675.8 / 53
p0 2432 ± 2.406
2700
2600
2500
2400
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.77 / 53
p0 −7514 ± 1.363e+04
pull
Entries 54
Mean 488.5
Std Dev 0
pull1D
Entries 54
Mean 0.003363
Std Dev 1.025


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2758 / 53
p0 9733 ± 9.638
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 52.66 / 53
p0 −1.076e+04 ± 3403
×10³
pull
Entries 54
Mean −174.1
Std Dev 0


pull1D
Entries 54
Mean 0.006576
Std Dev 0.9875


eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 675.8 / 53
p0 2432 ± 2.406
2700
2600
2500
2400
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
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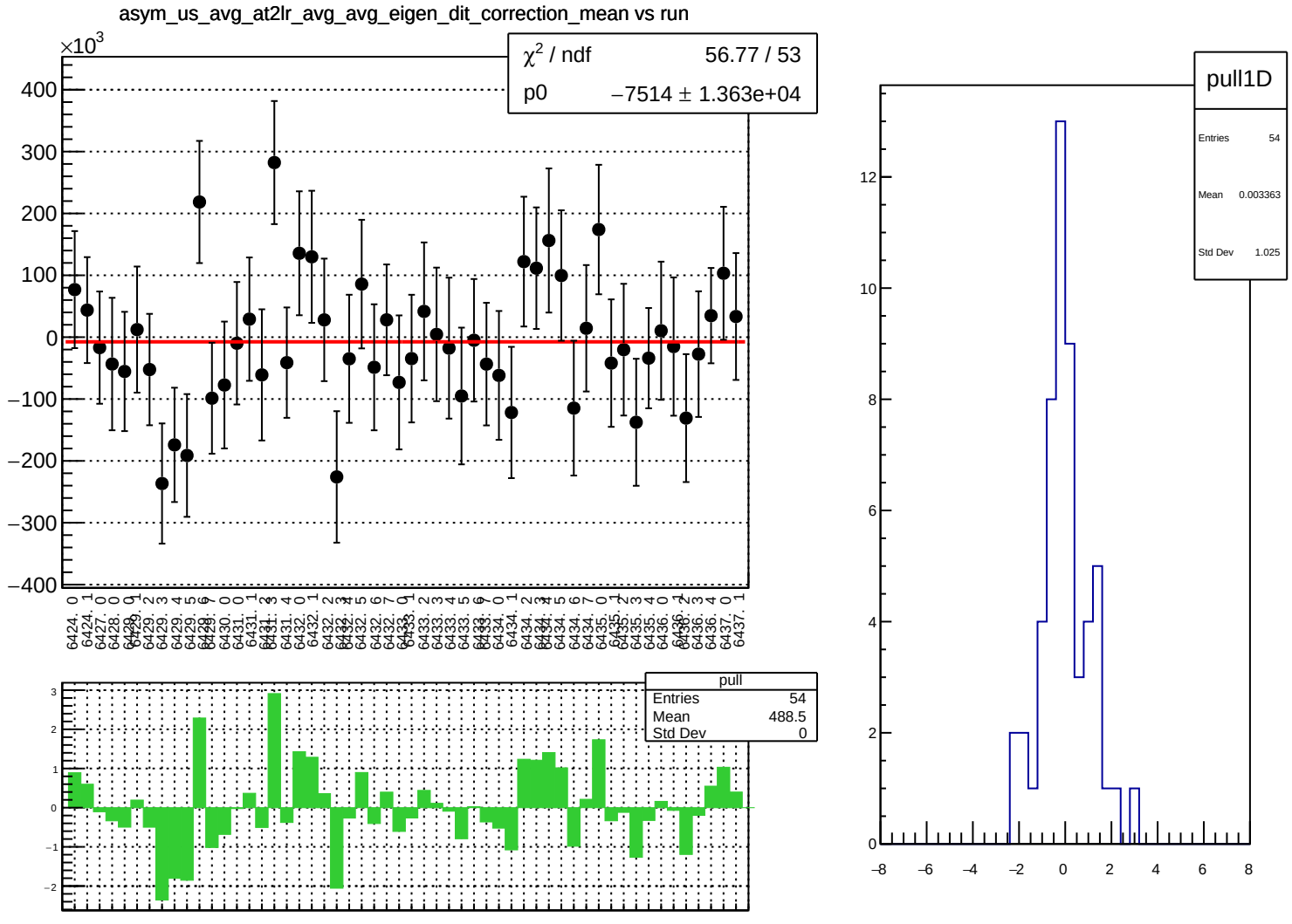
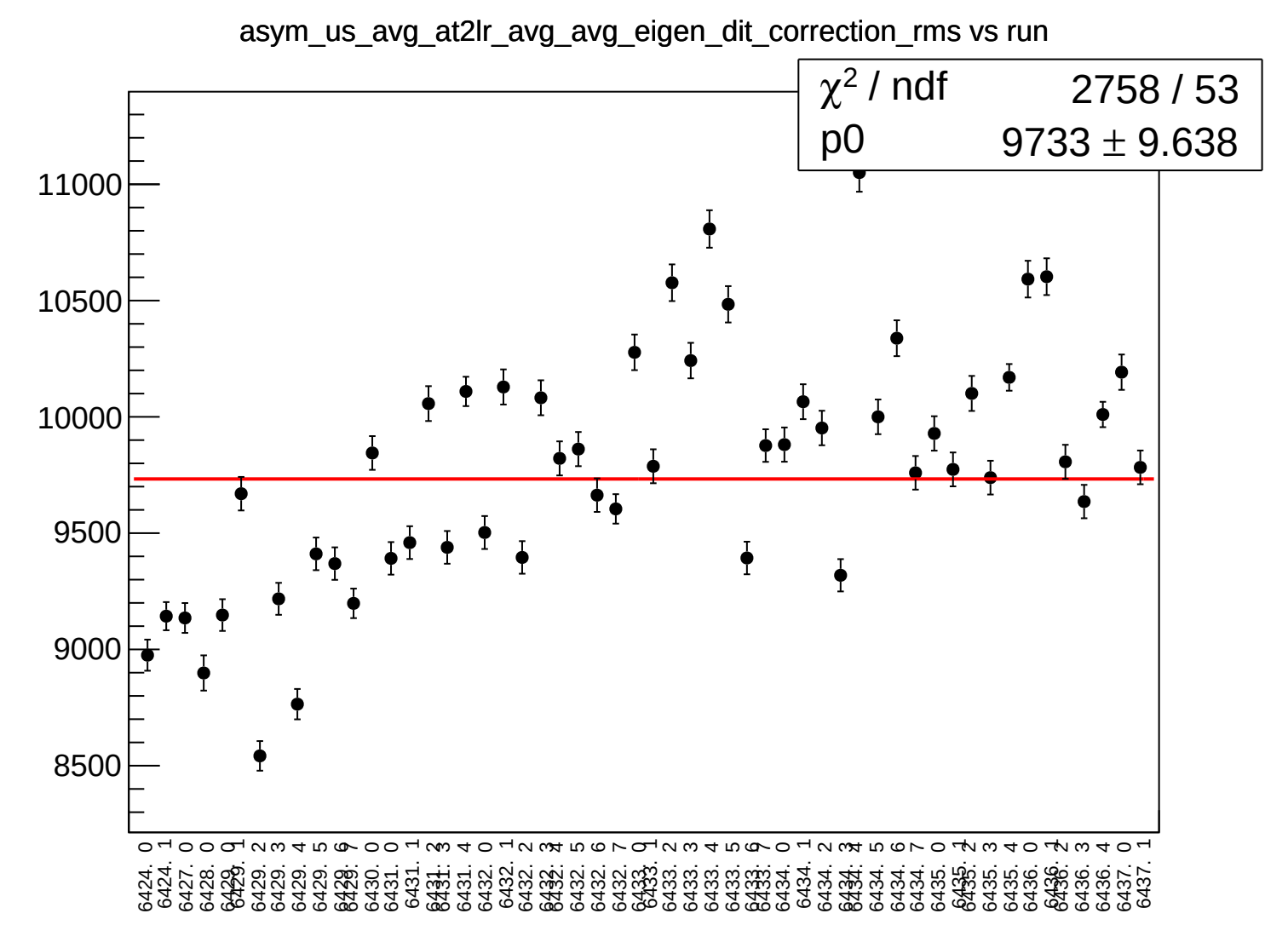
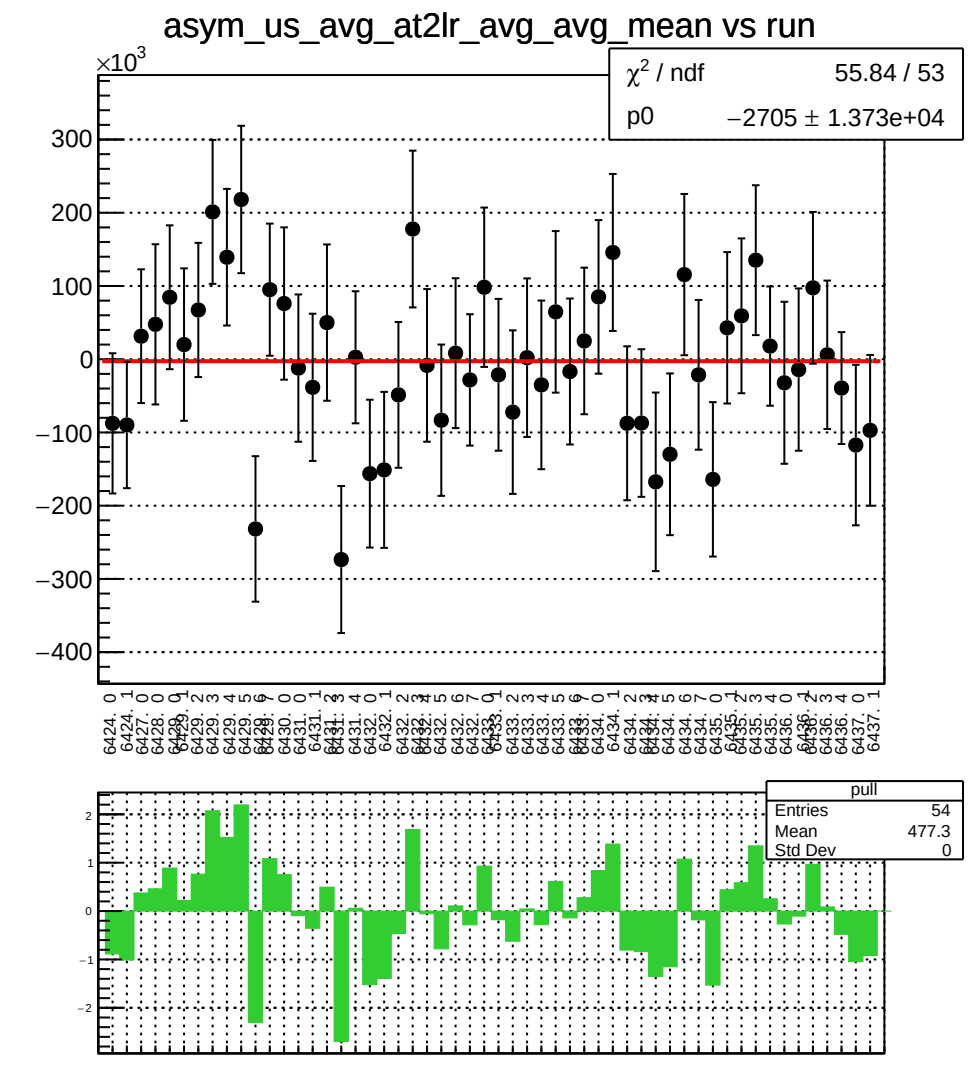
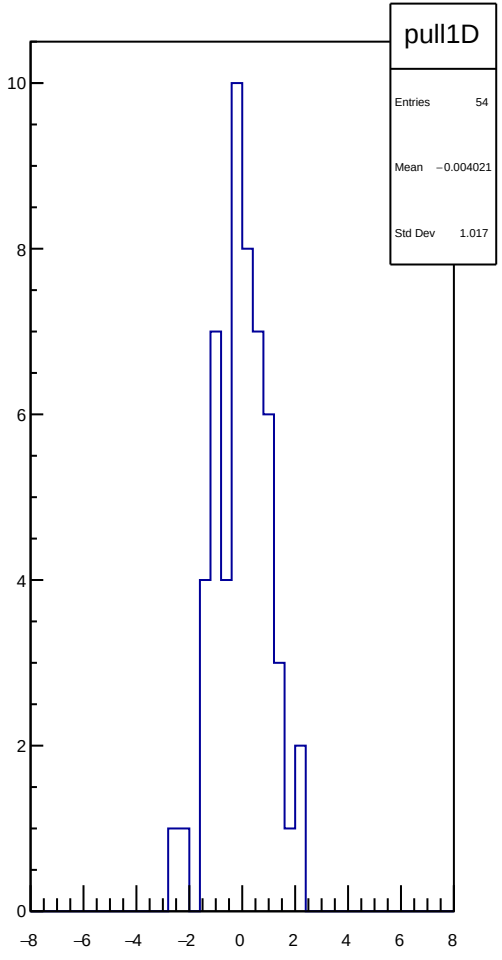
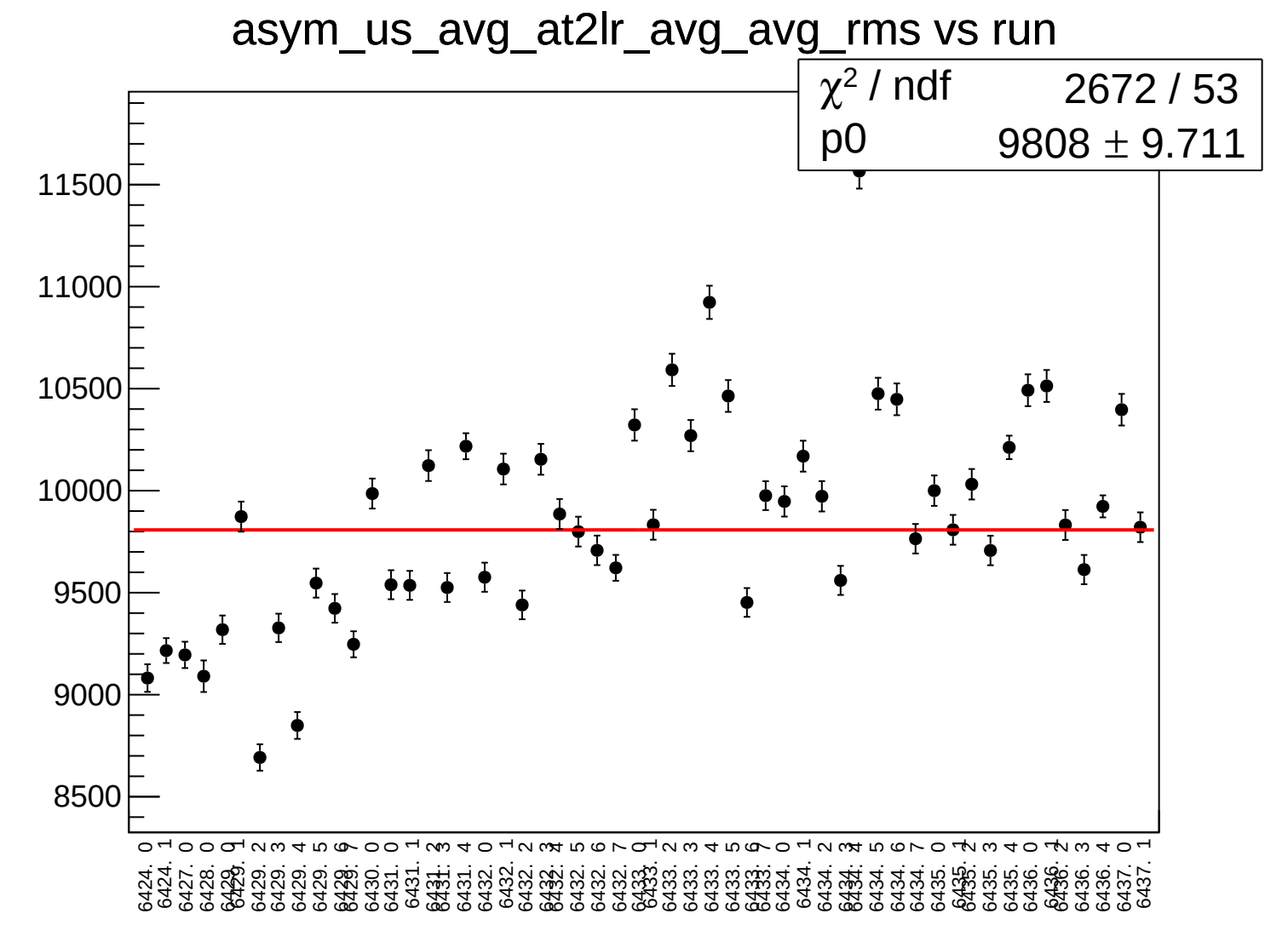
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

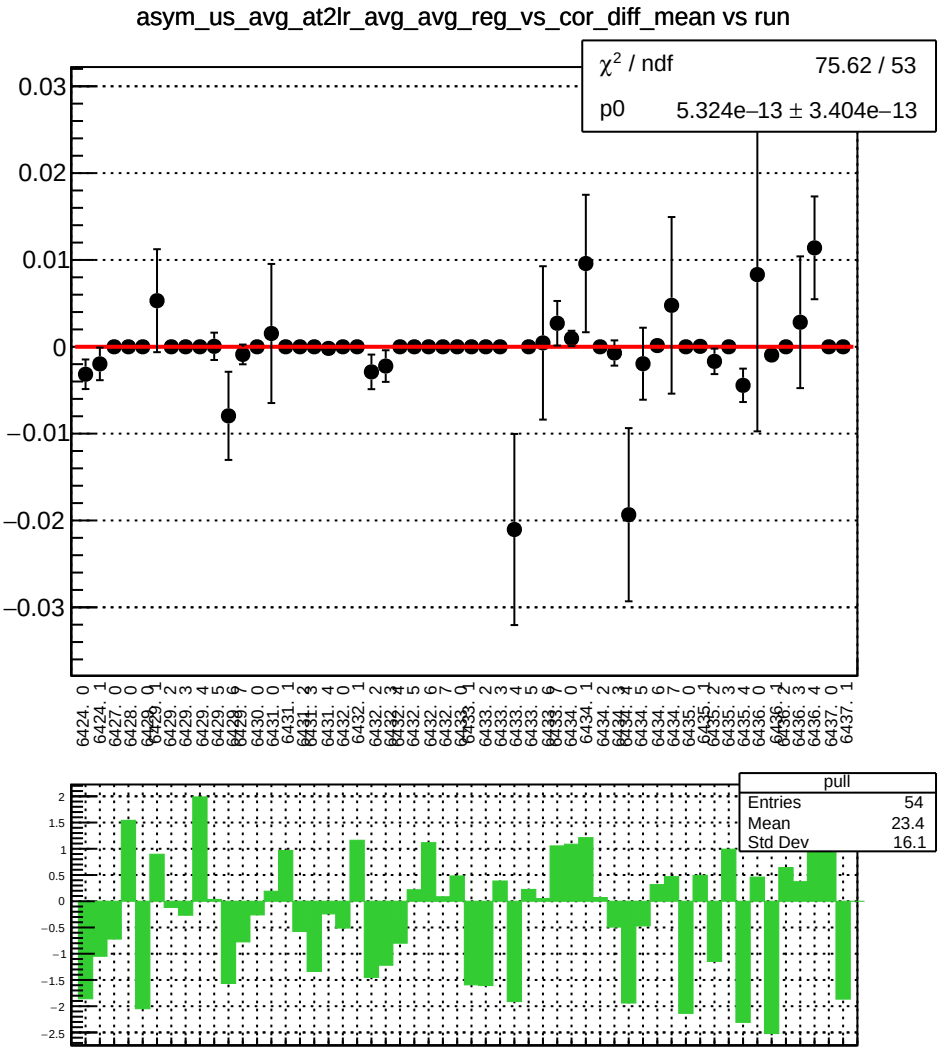

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.77 / 53
p0 −7514 ± 1.363e+04
pull
Entries 54
Mean 488.5
Std Dev 0
pull1D
Entries 54
Mean 0.003363
Std Dev 1.025

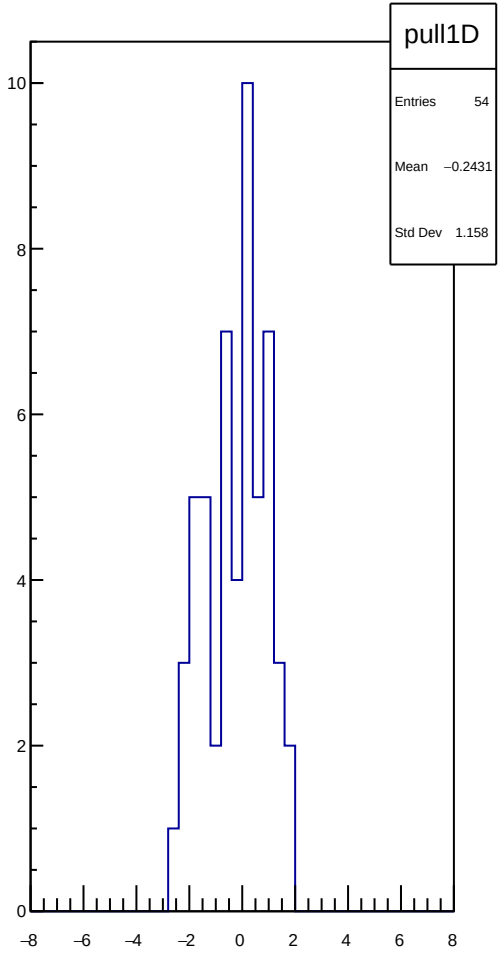

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2758 / 53
p0 9733 ± 9.638
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

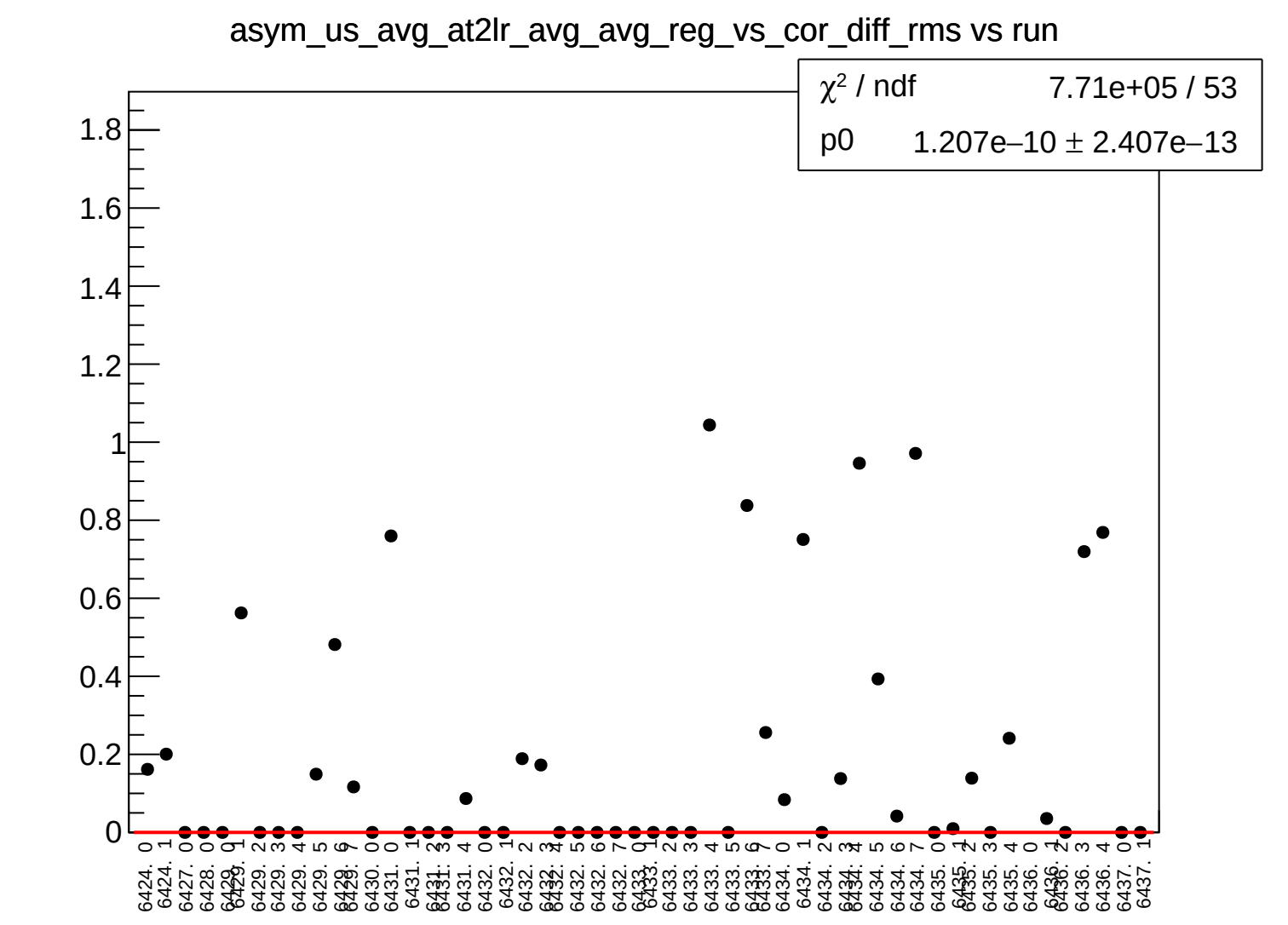

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 55.84 / 53
p0 −2705 ± 1.373e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 54
Mean 477.3
Std Dev 0
2
1
0
−1
−2

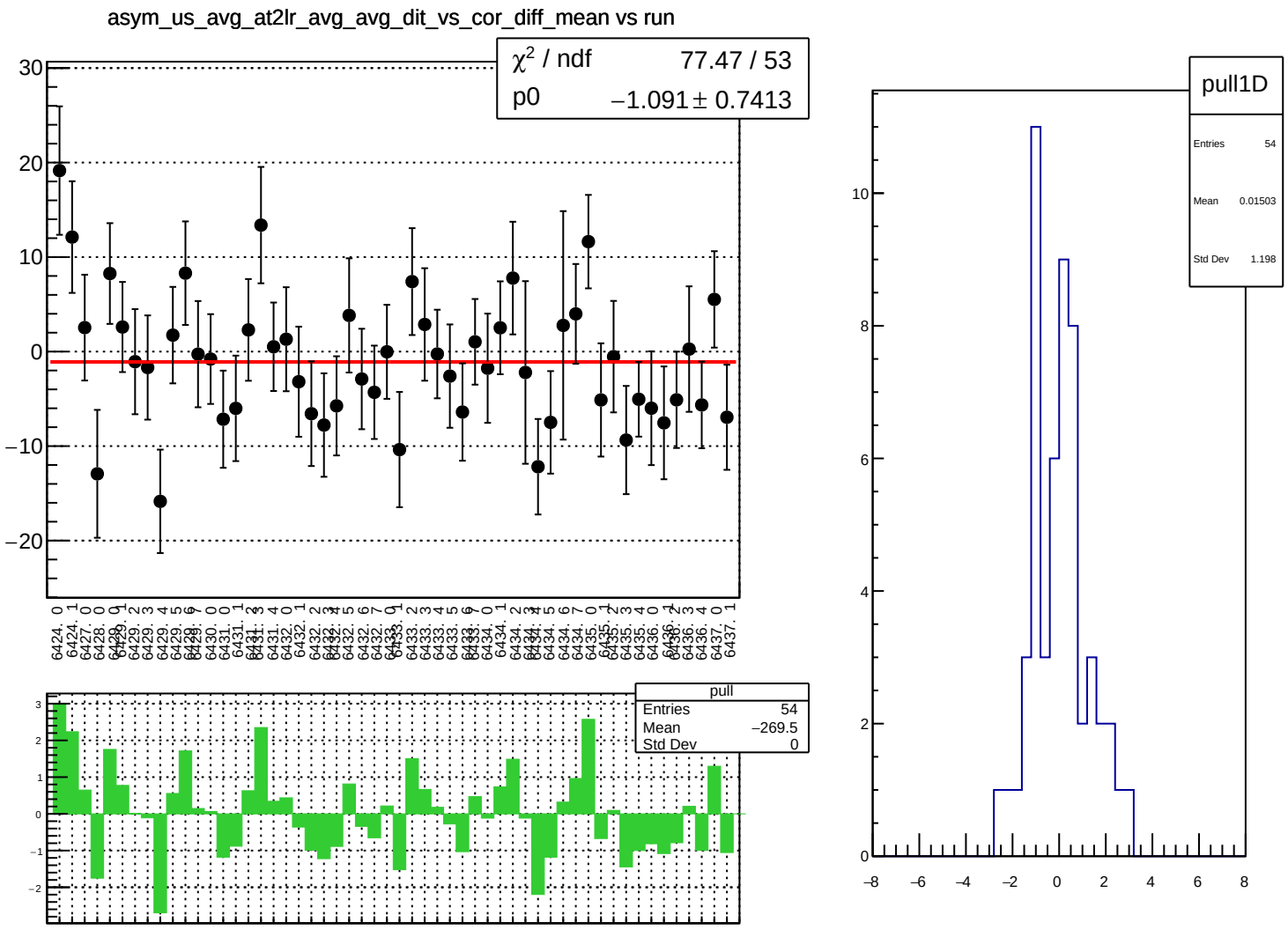

pull1D
Entries 54
Mean −0.004021
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

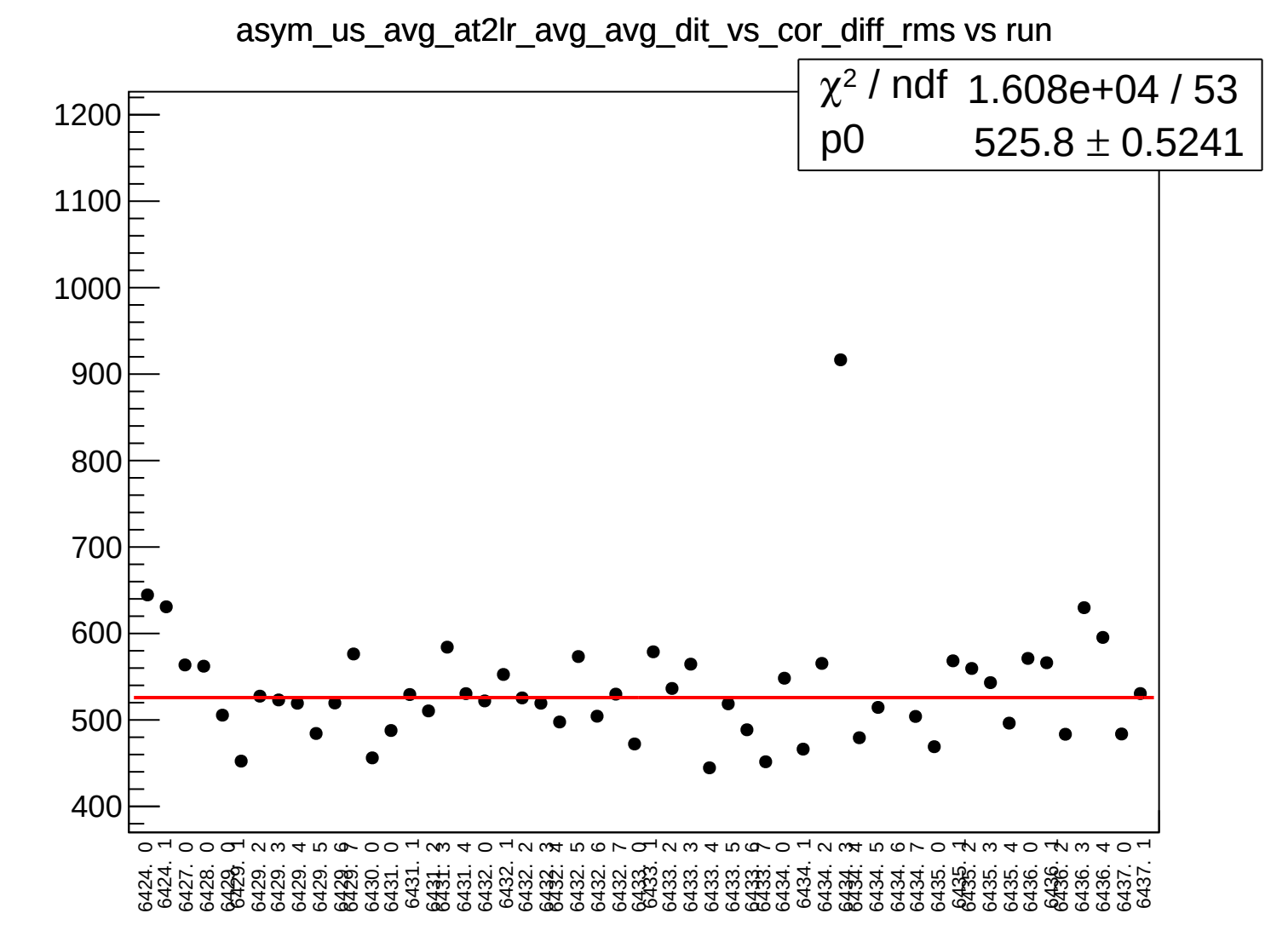

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2672 / 53
p0 9808 ± 9.711
11500
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

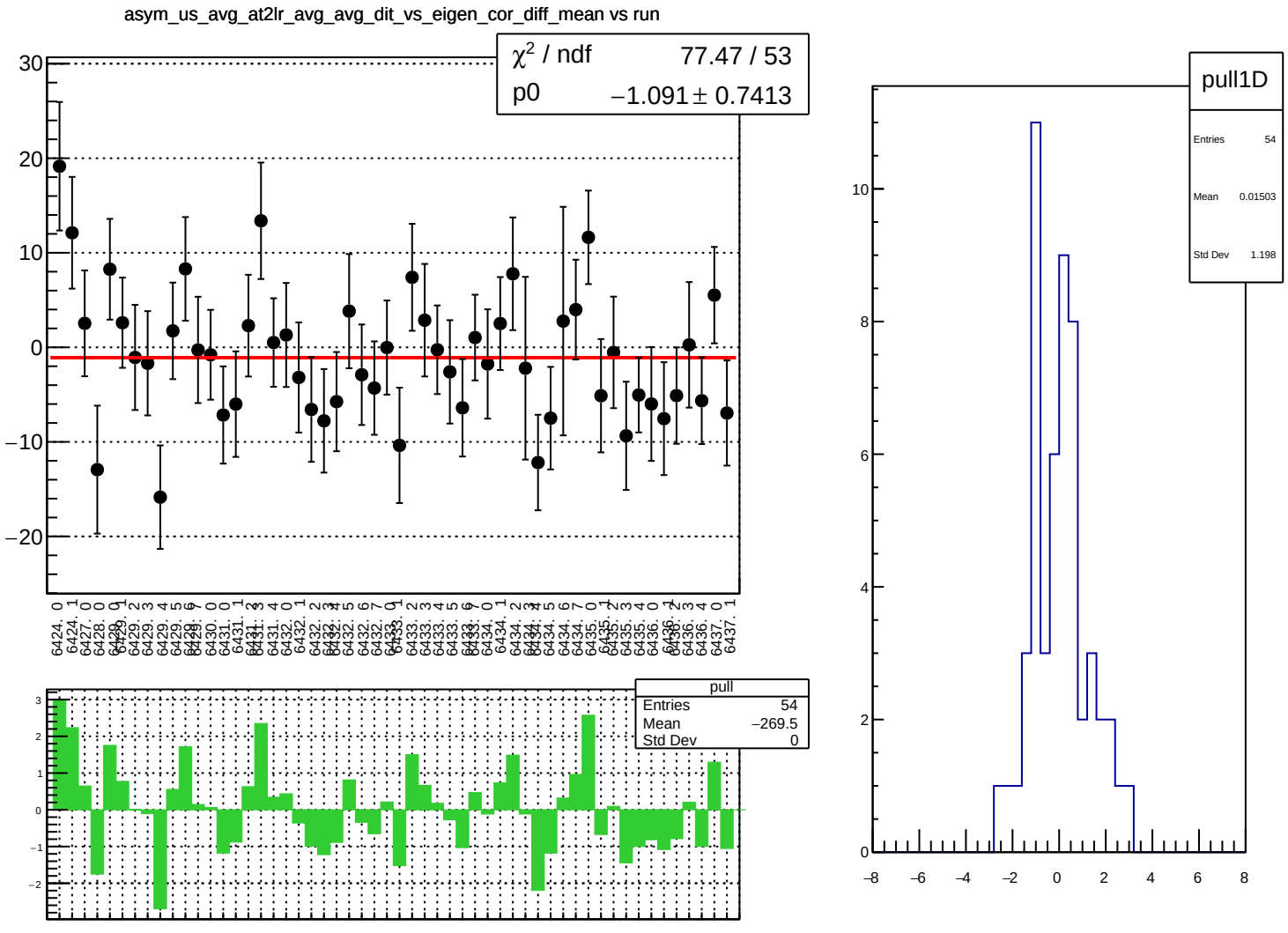

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 75.62 / 53
p0 5.324e−13 ± 3.404e−13
pull
Entries 54
Mean 23.4
Std Dev 16.1

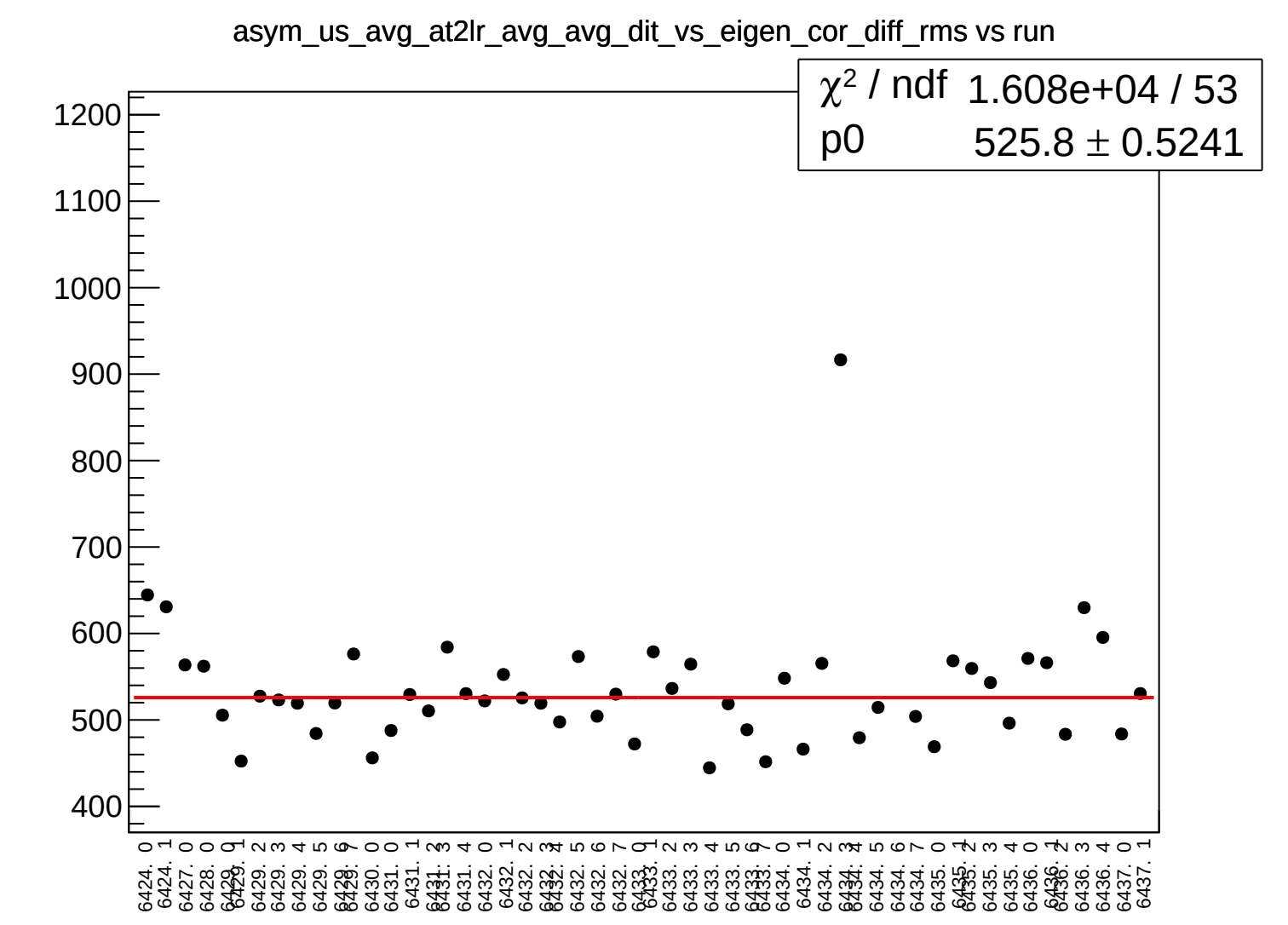

pull1D
Entries 54
Mean −0.2431
Std Dev 1.158

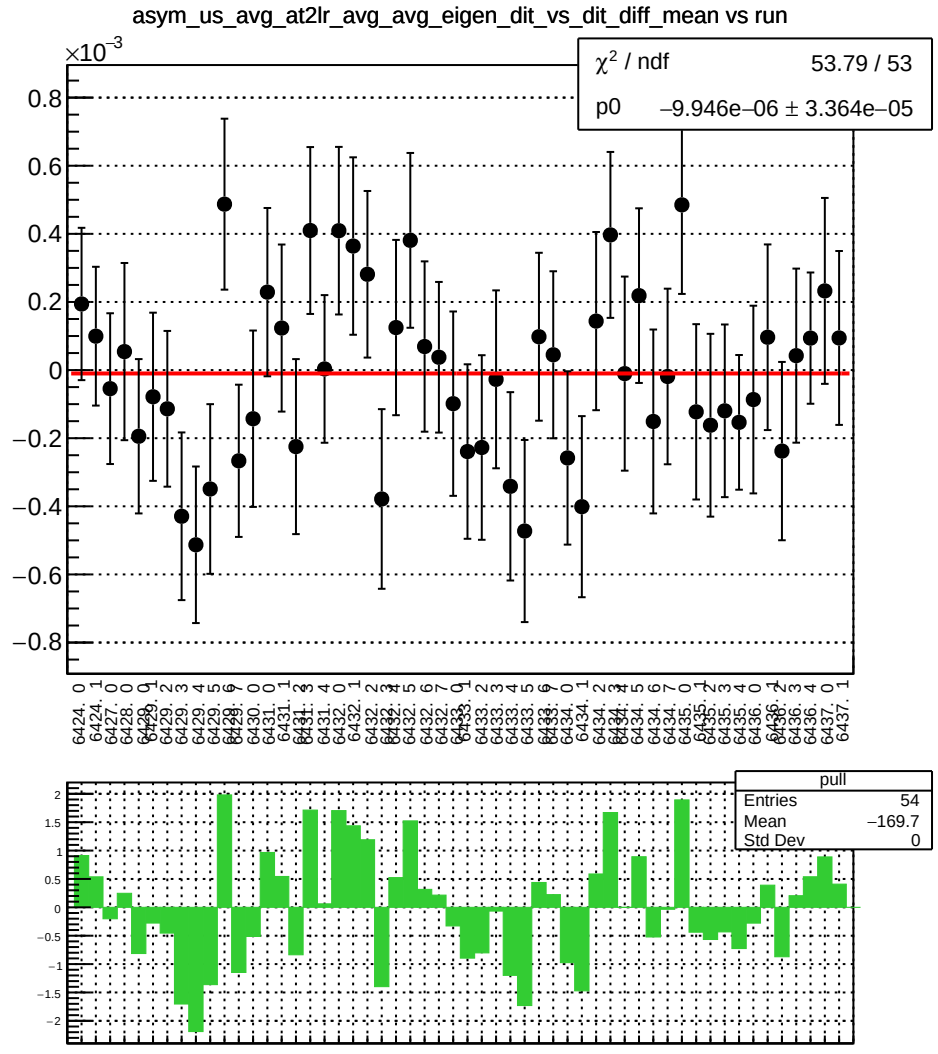

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.71e+05 / 53
p0 1.207e−10 ± 2.407e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

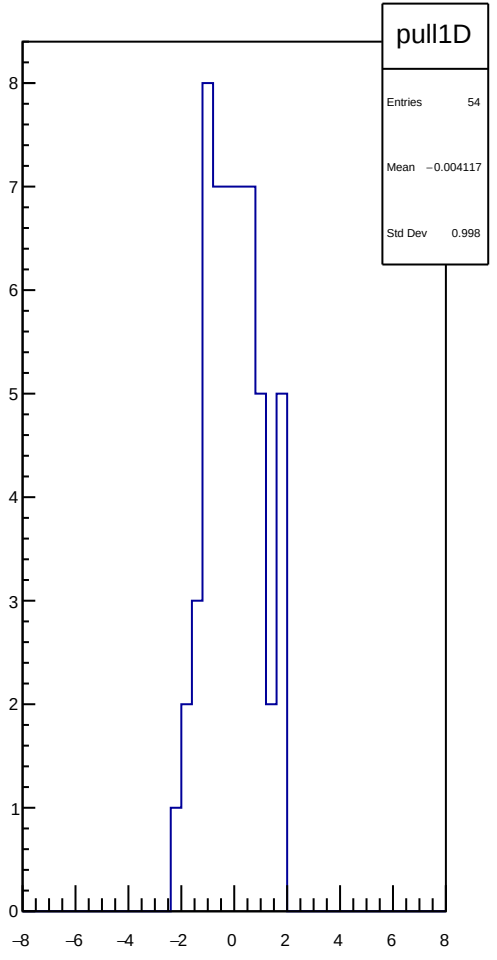

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.47 / 53
p0 −1.091 ± 0.7413
pull
Entries 54
Mean −269.5
Std Dev 0
pull1D
Entries 54
Mean 0.01503
Std Dev 1.198

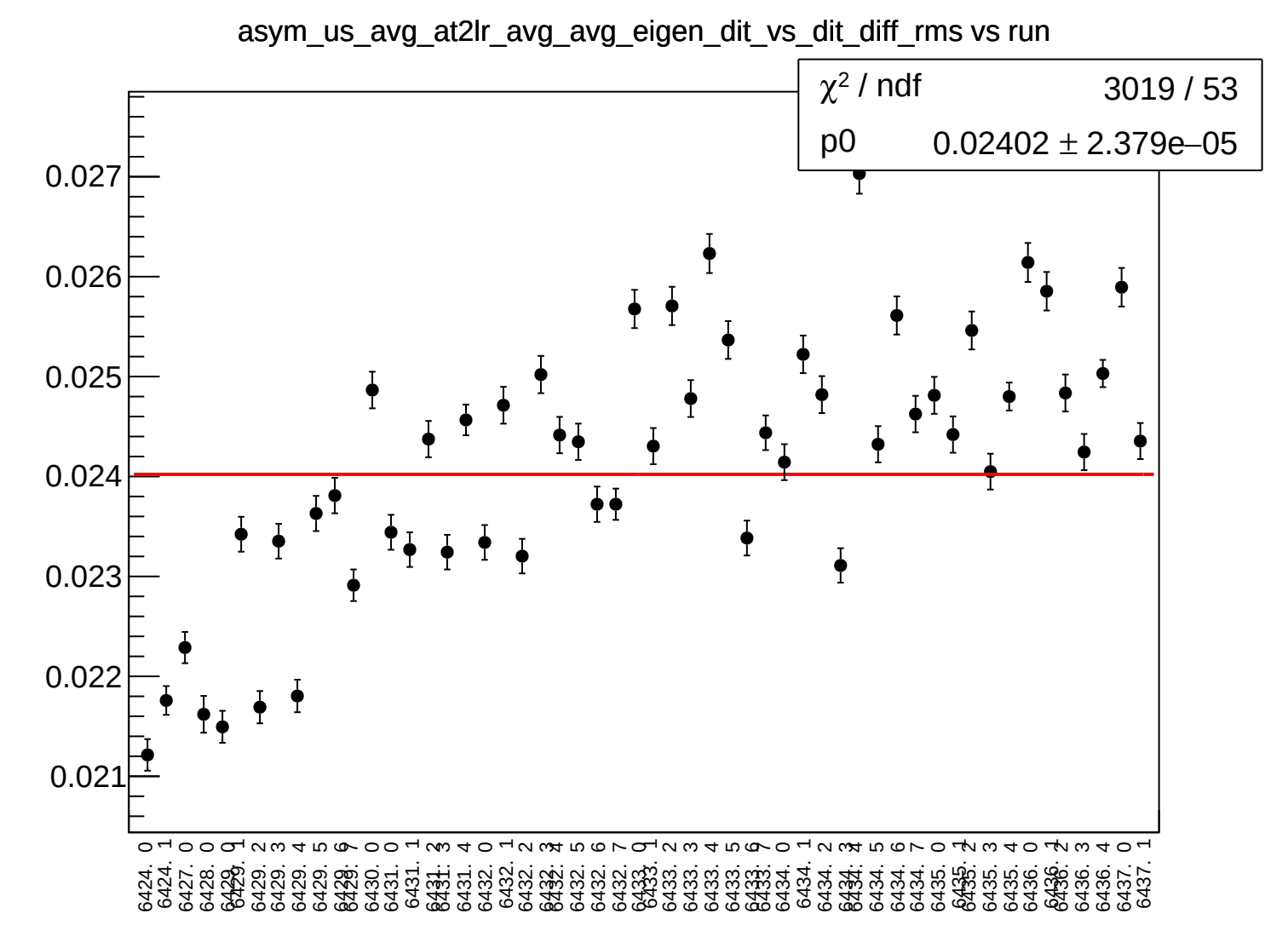

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.608e+04 / 53
p0 525.8 ± 0.5241
1200
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

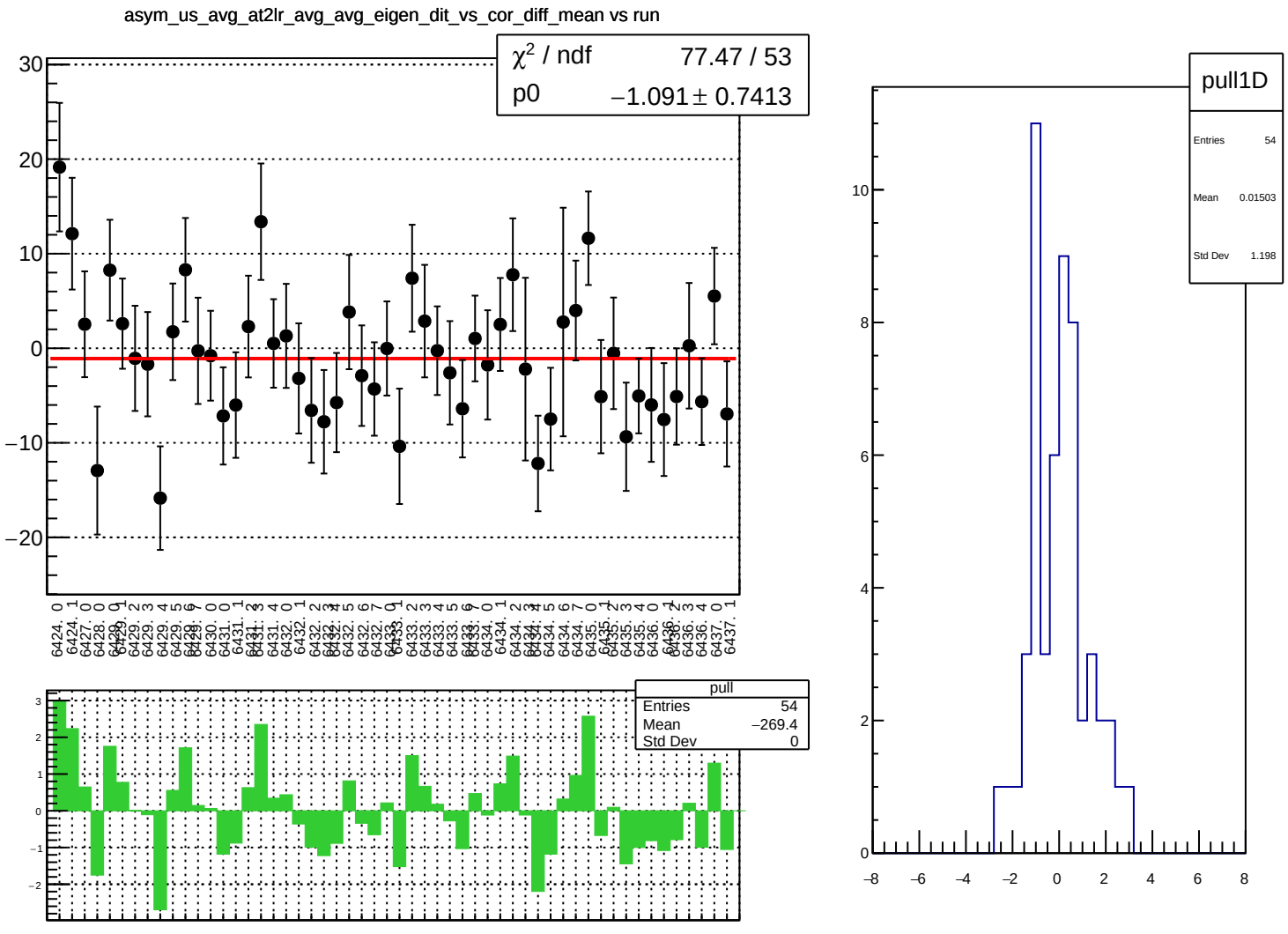

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.47 / 53
p0 −1.091 ± 0.7413
pull
Entries 54
Mean −269.5
Std Dev 0
pull1D
Entries 54
Mean 0.01503
Std Dev 1.198

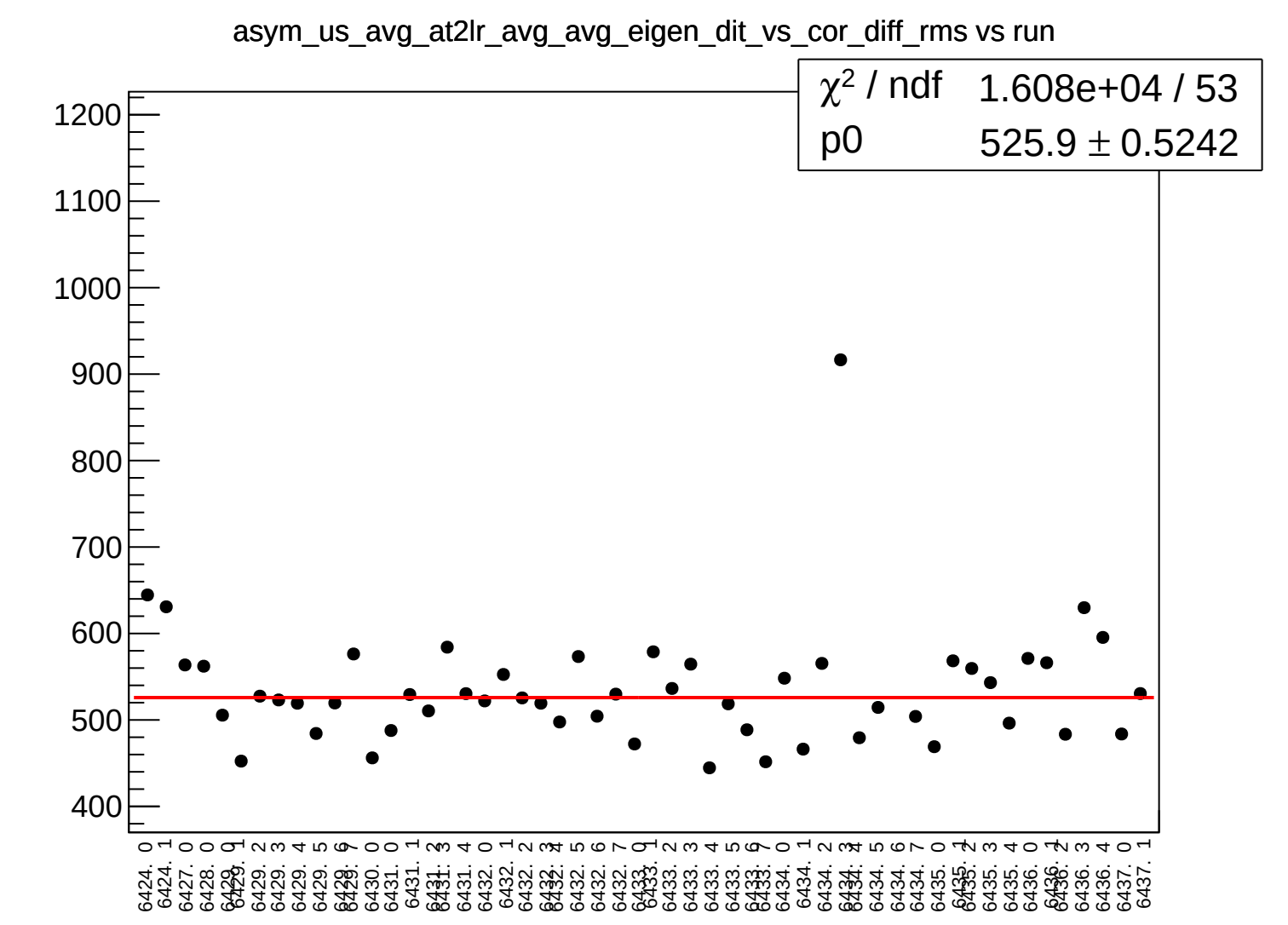

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.608e+04 / 53
p0 525.8 ± 0.5241
1200
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

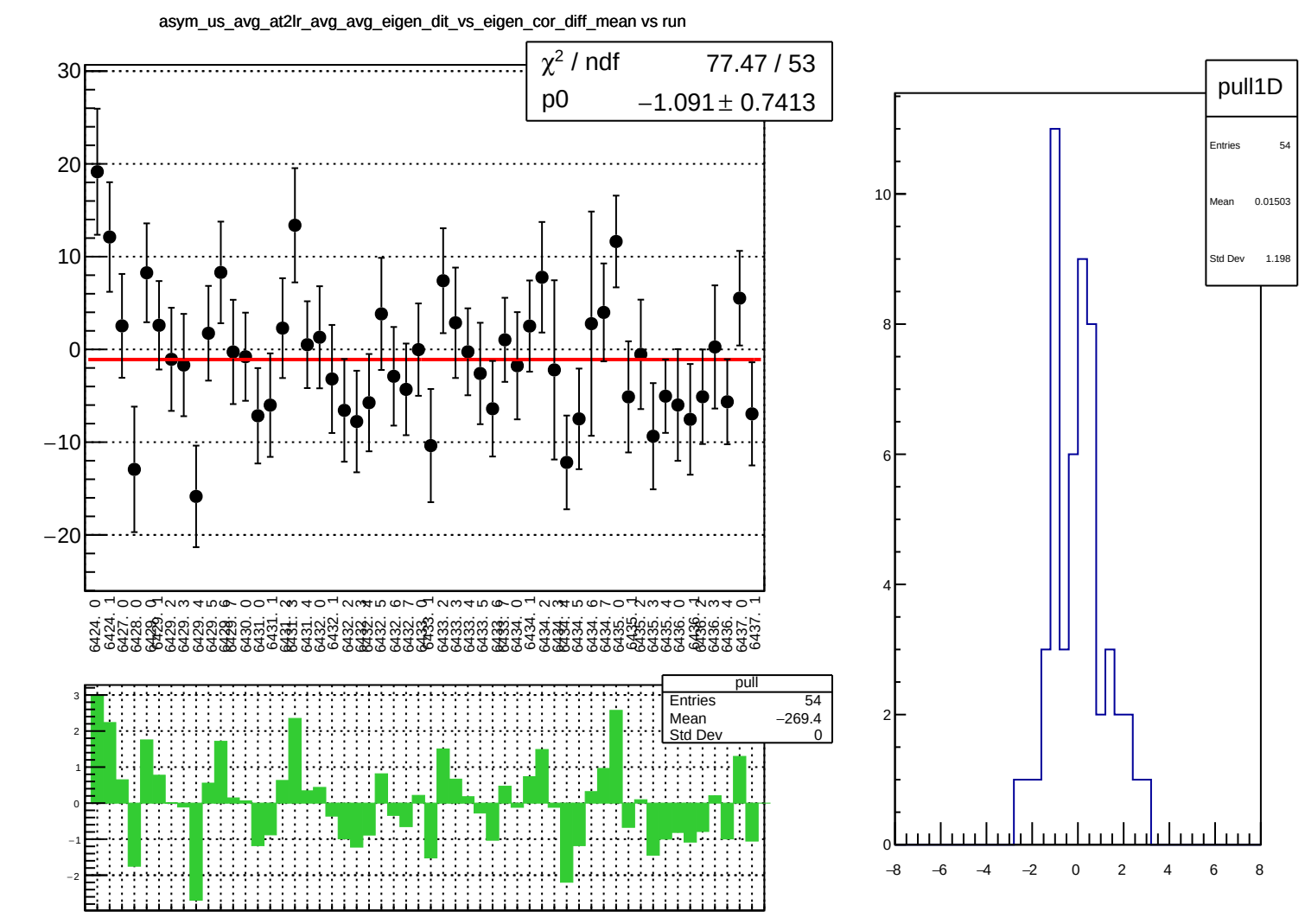

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.79 / 53
p0 −9.946e−06 ± 3.364e−05
pull
Entries 54
Mean −169.7
Std Dev 0

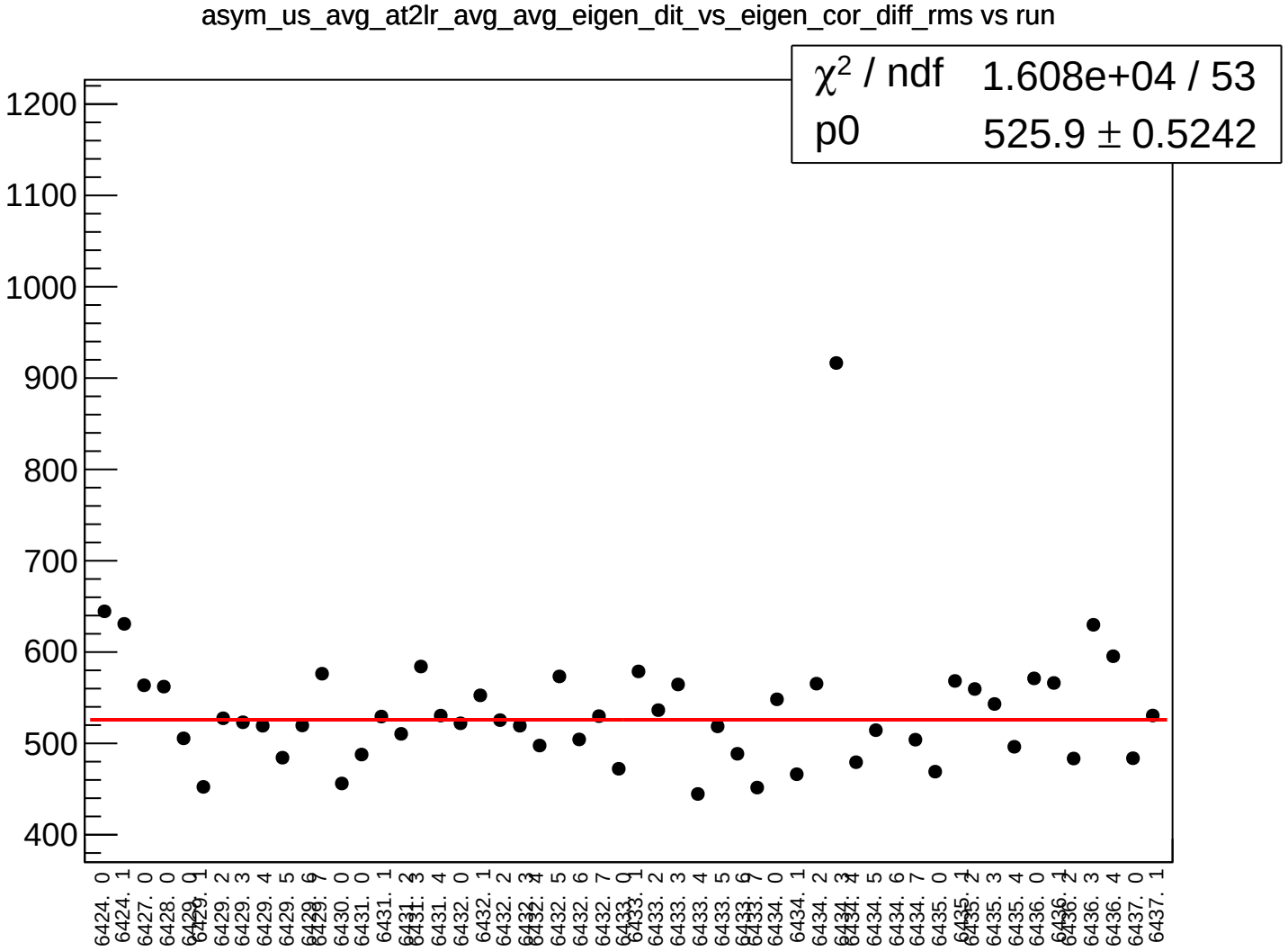

pull1D
Entries 54
Mean −0.004117
Std Dev 0.998

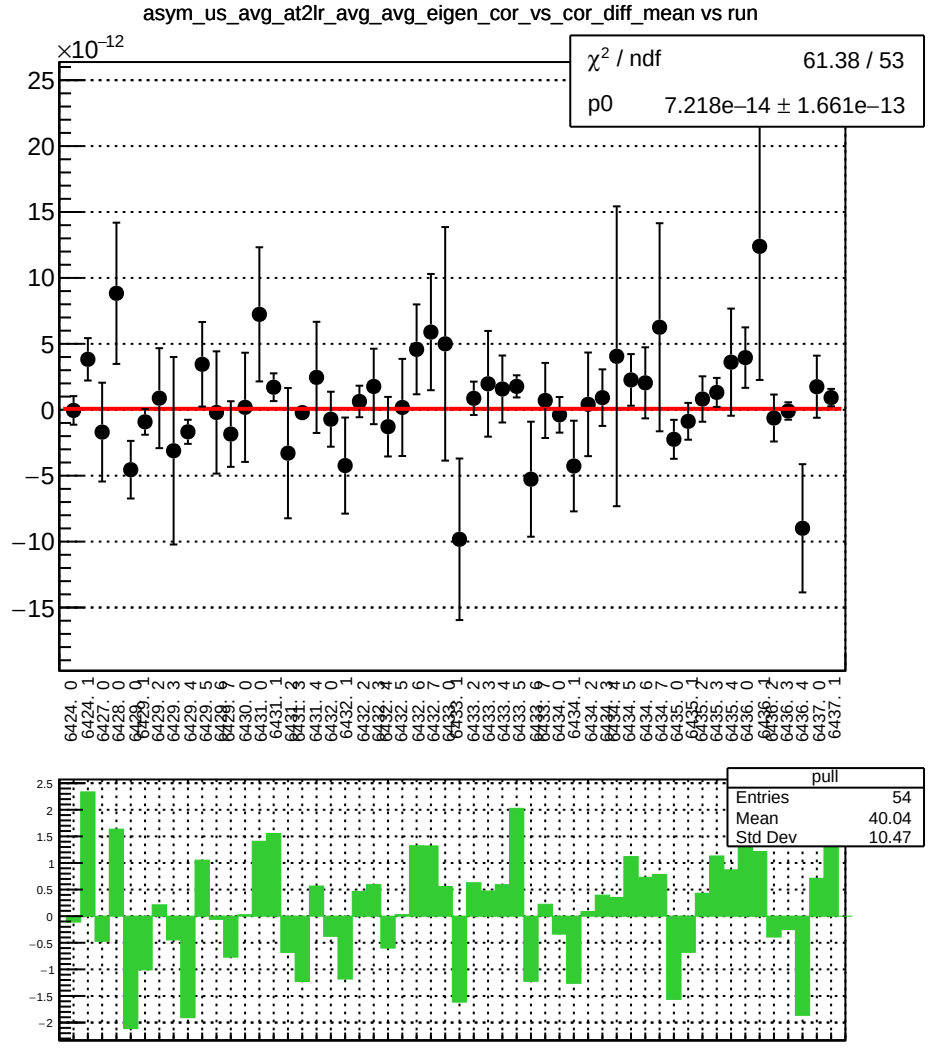

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3019 / 53
p0 0.02402 ± 2.379e−05
0.027
0.026
0.025
0.024
0.023
0.022
0.021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

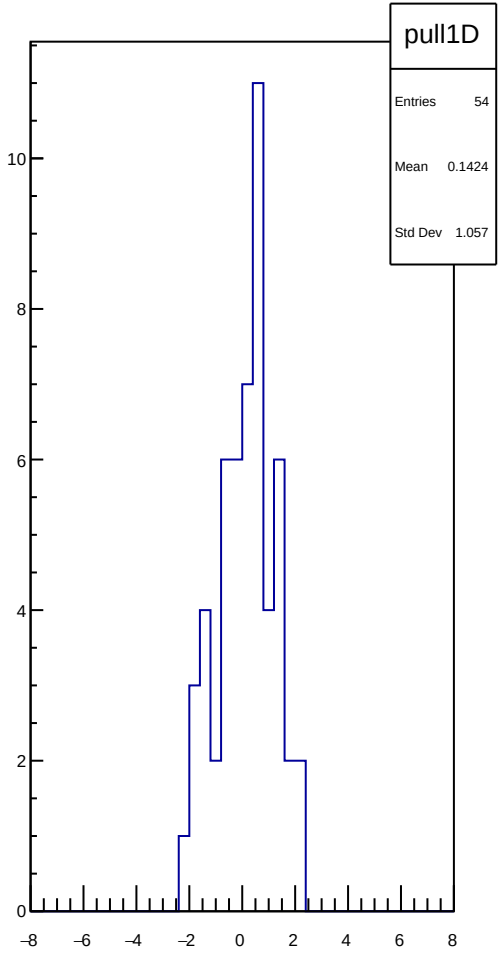

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.47 / 53
p0 −1.091 ± 0.7413
pull
Entries 54
Mean −269.4
Std Dev 0
pull1D
Entries 54
Mean 0.01503
Std Dev 1.198

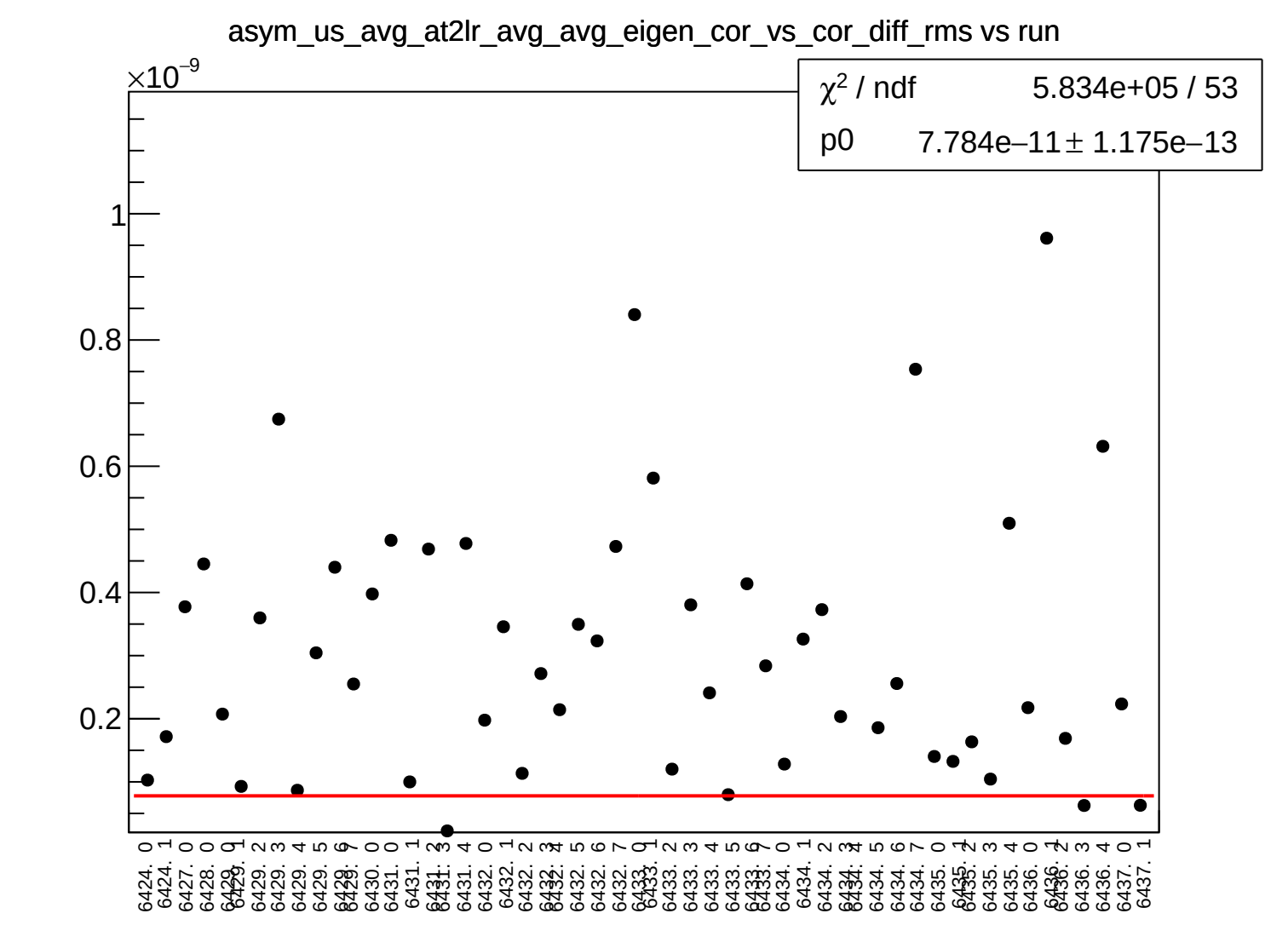

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.608e+04 / 53
p0 525.9 ± 0.5242
1200
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

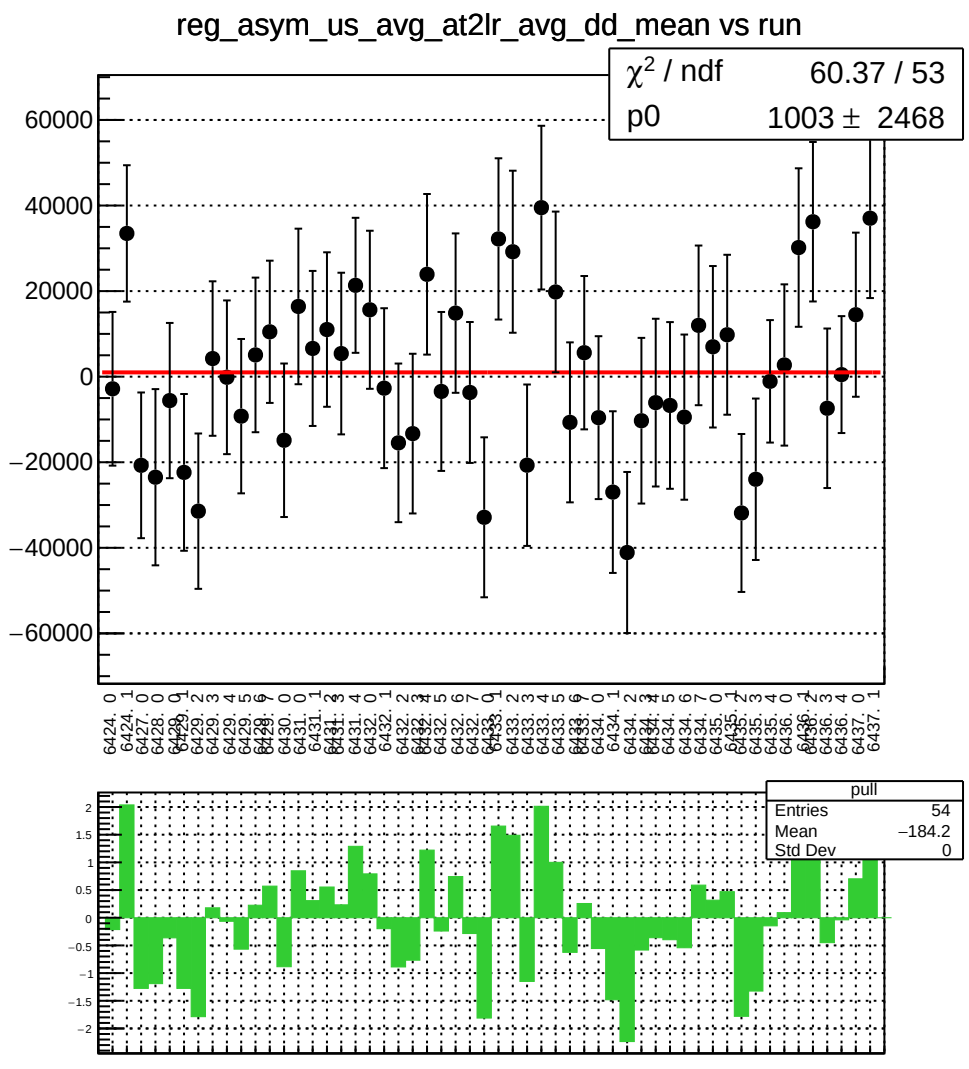

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.47 / 53
p0 −1.091 ± 0.7413
pull
Entries 54
Mean −269.4
Std Dev 0
pull1D
Entries 54
Mean 0.01503
Std Dev 1.198

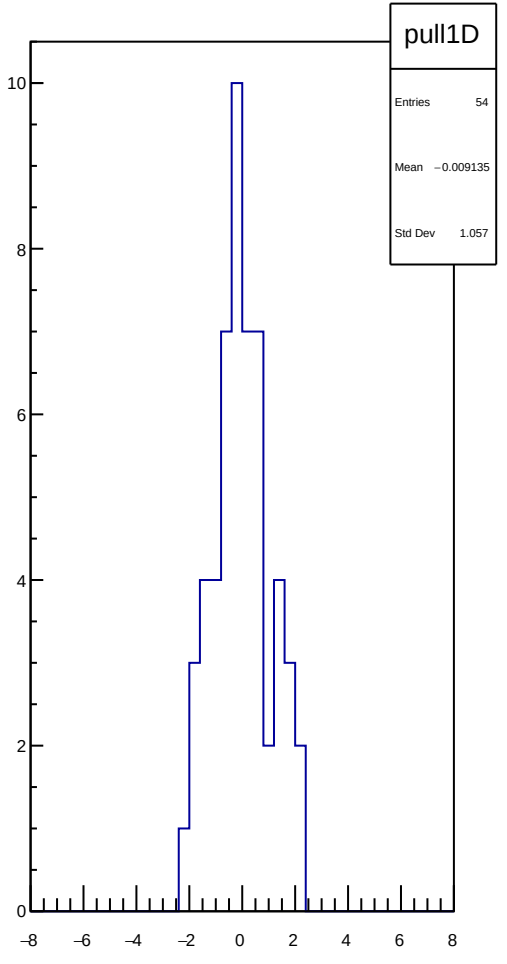

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.608e+04 / 53
p0 525.9 ± 0.5242
1200
1100
1000
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

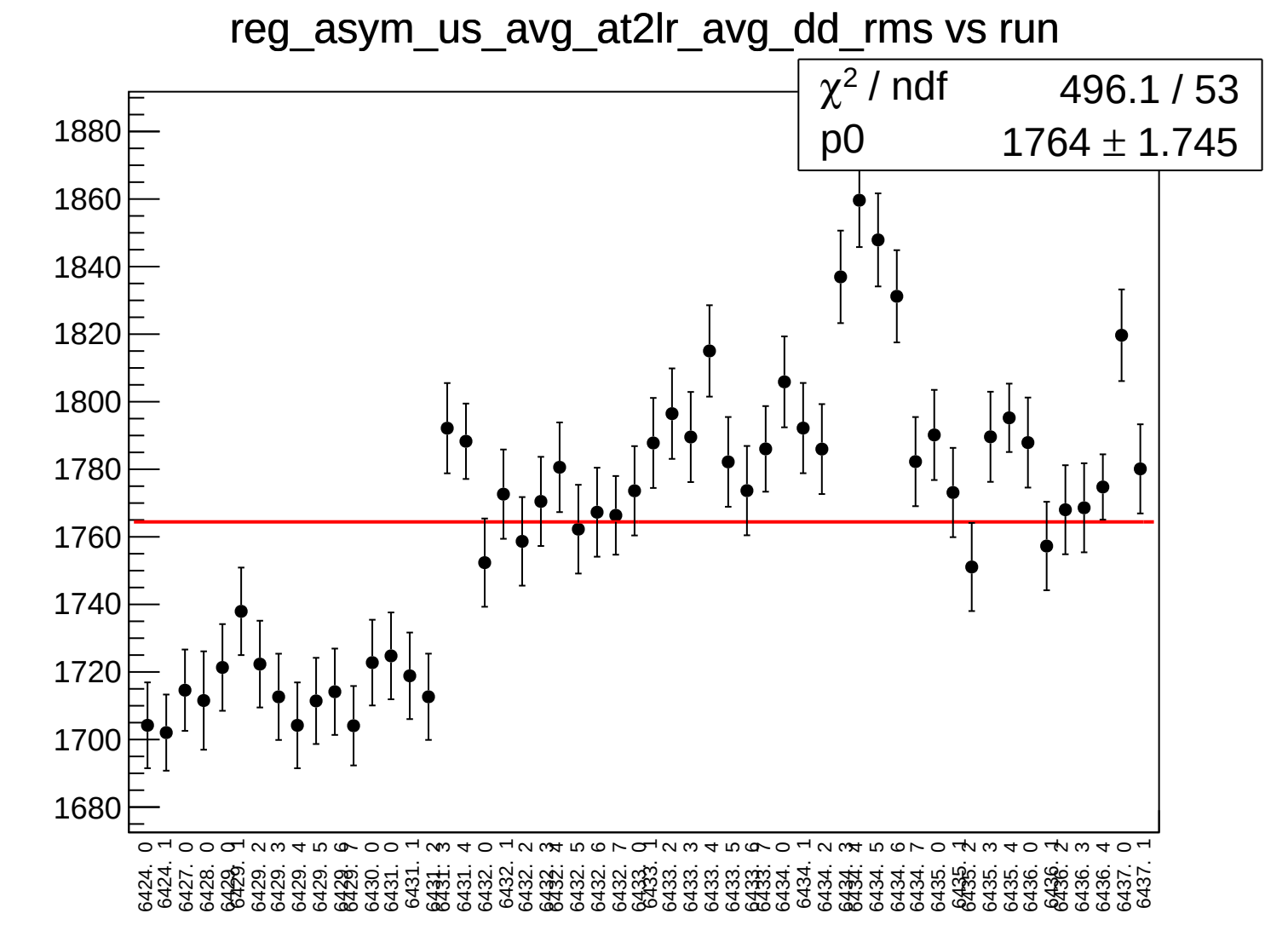

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.38 / 53
p0 7.218e−14 ± 1.661e−13
pull
Entries 54
Mean 40.04
Std Dev 10.47

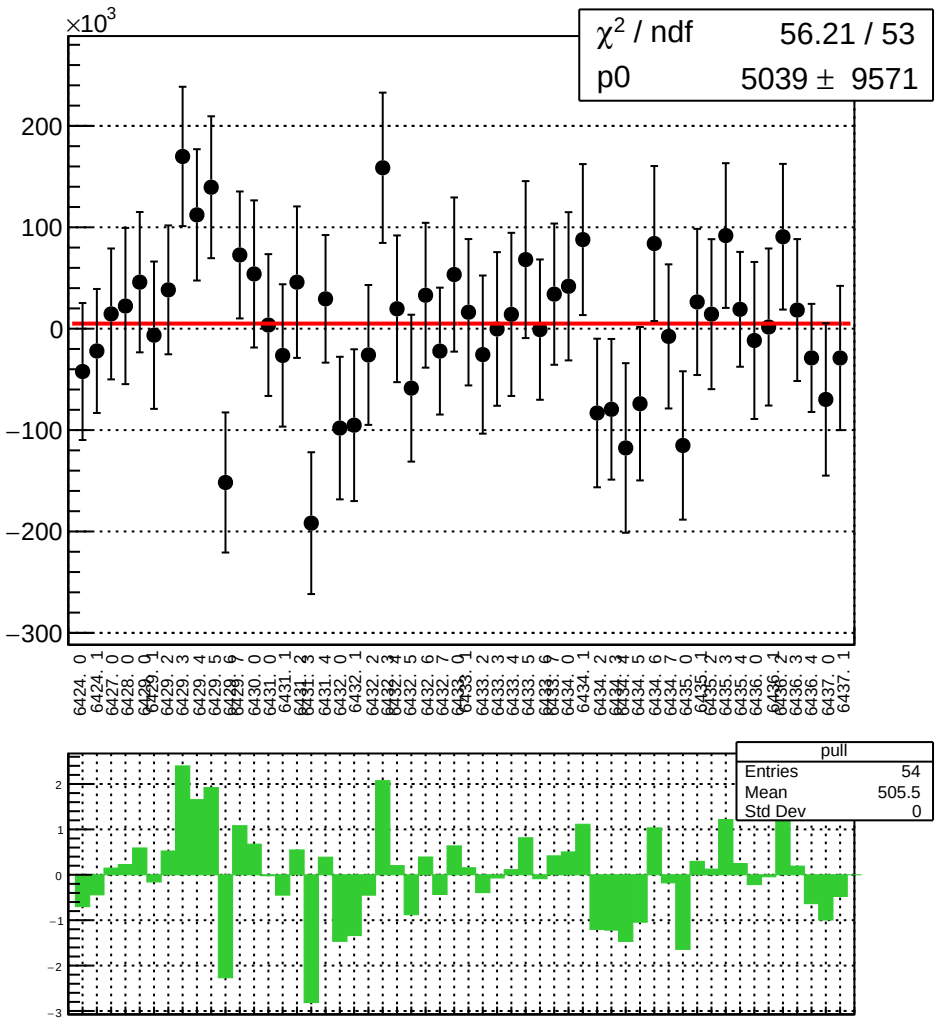

pull1D
Entries 54
Mean 0.1424
Std Dev 1.057

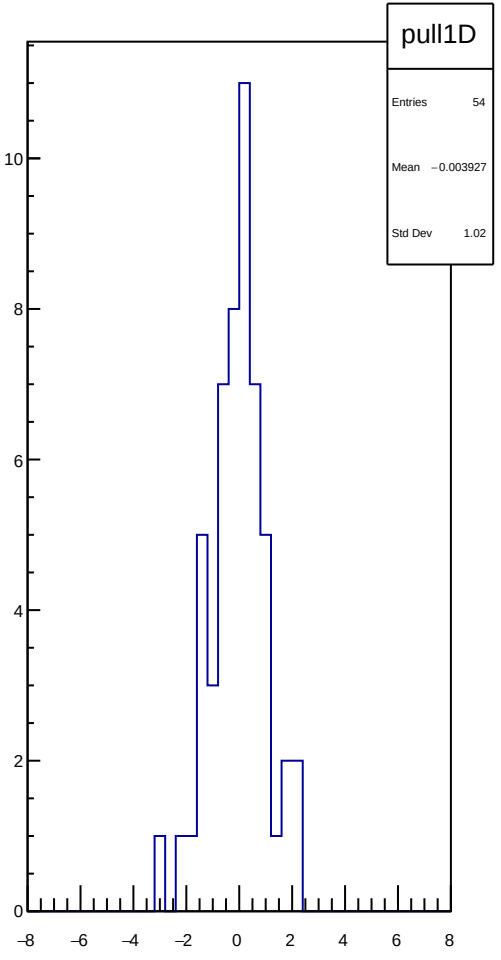

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.834e+05 / 53
p0 7.784e−11 ± 1.175e−13
1
0.8
0.6
0.4
0.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

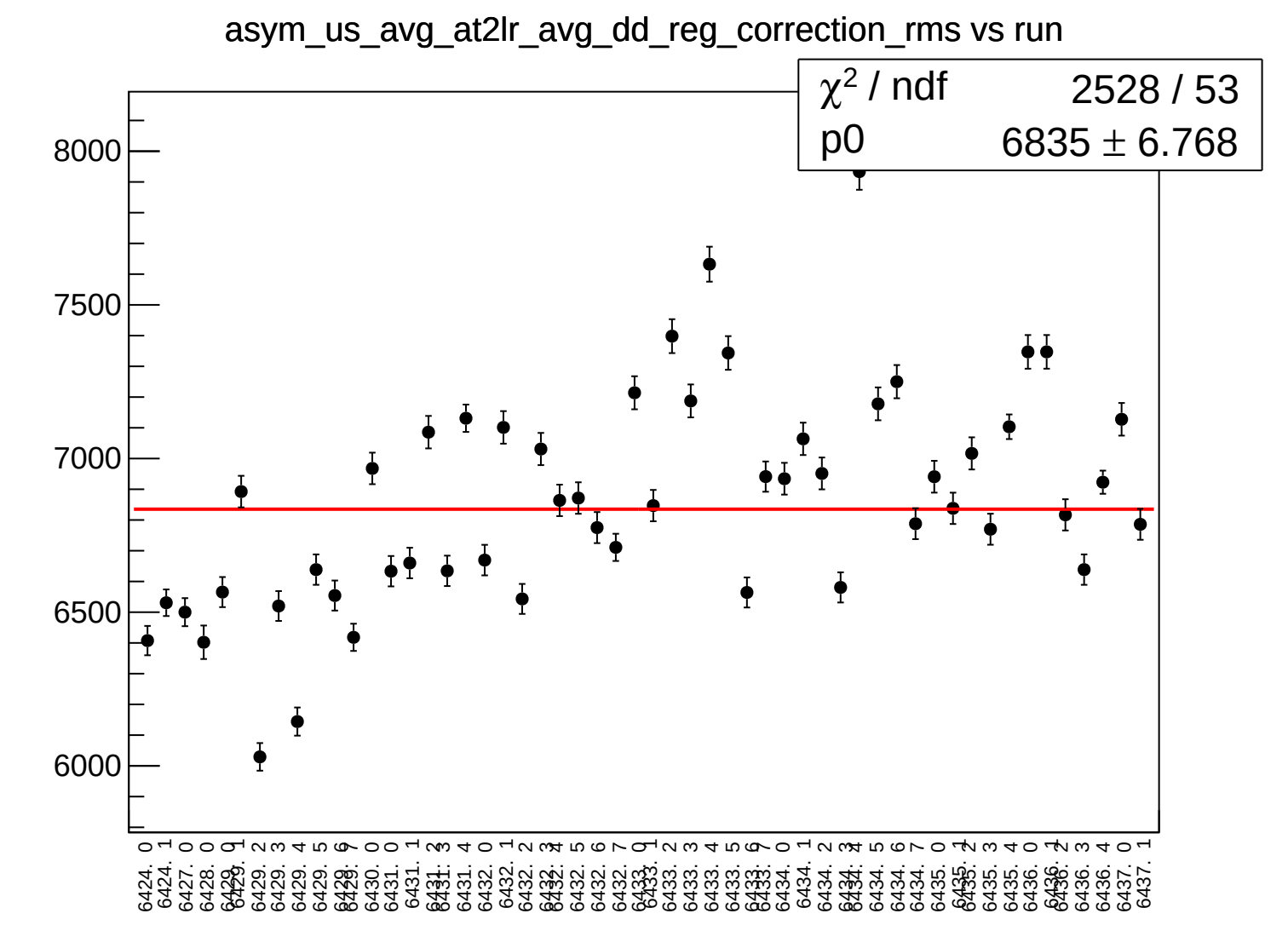

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 60.37 / 53
p0 1003 ± 2468
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −184.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

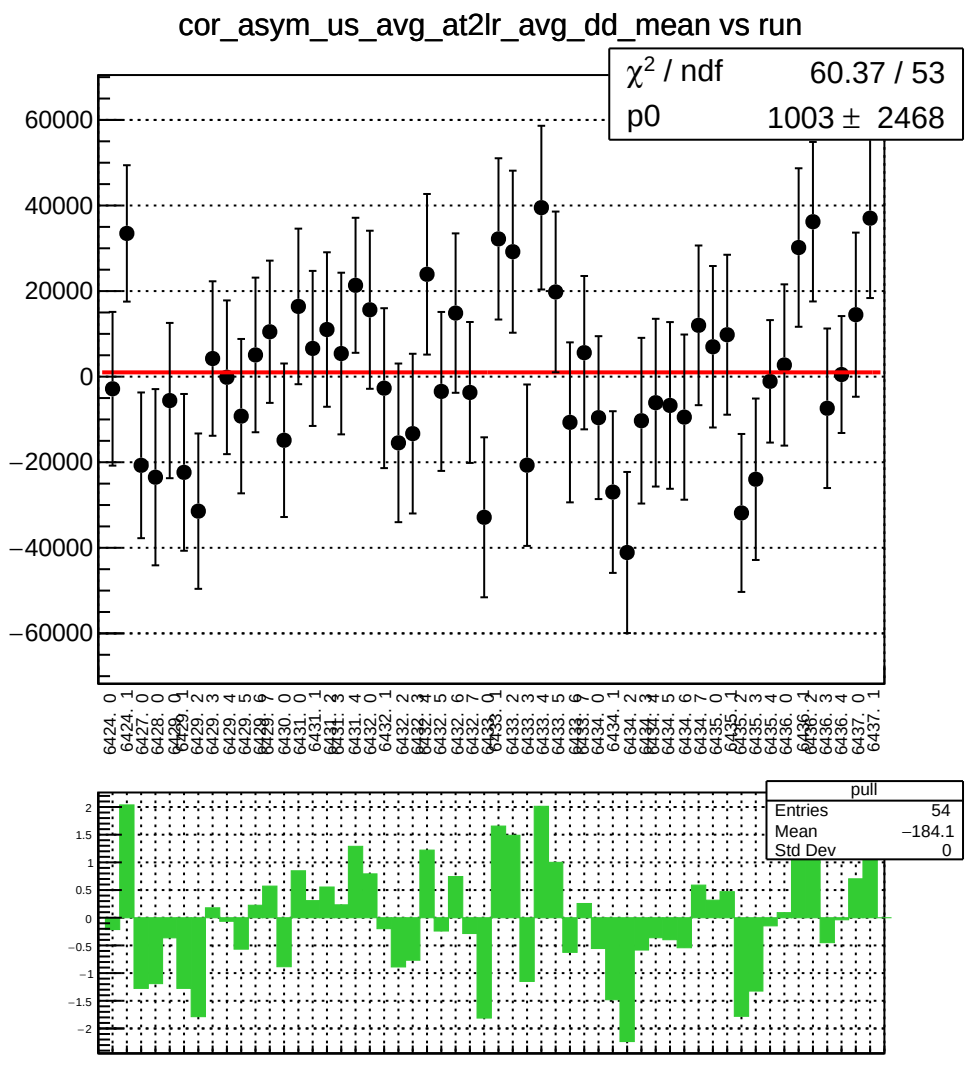

pull1D
Entries 54
Mean −0.009135
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

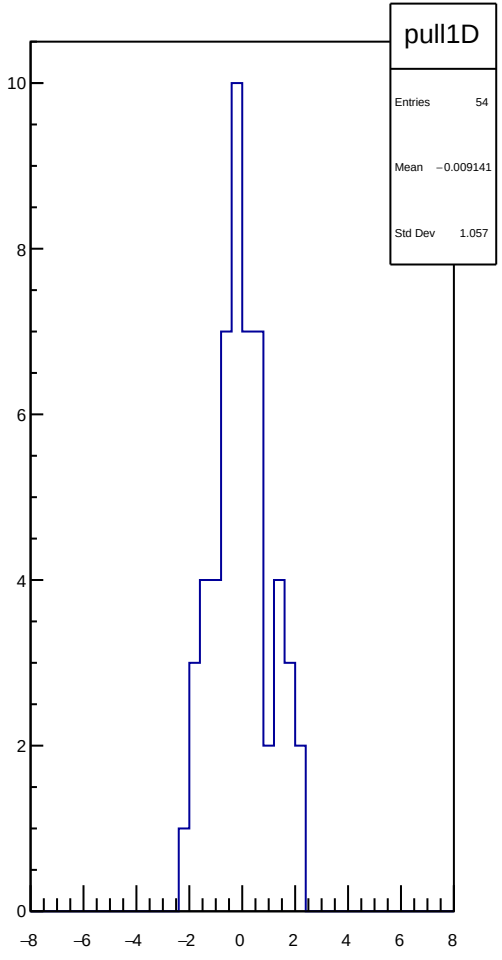

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 496.1 / 53
p0 1764 ± 1.745
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

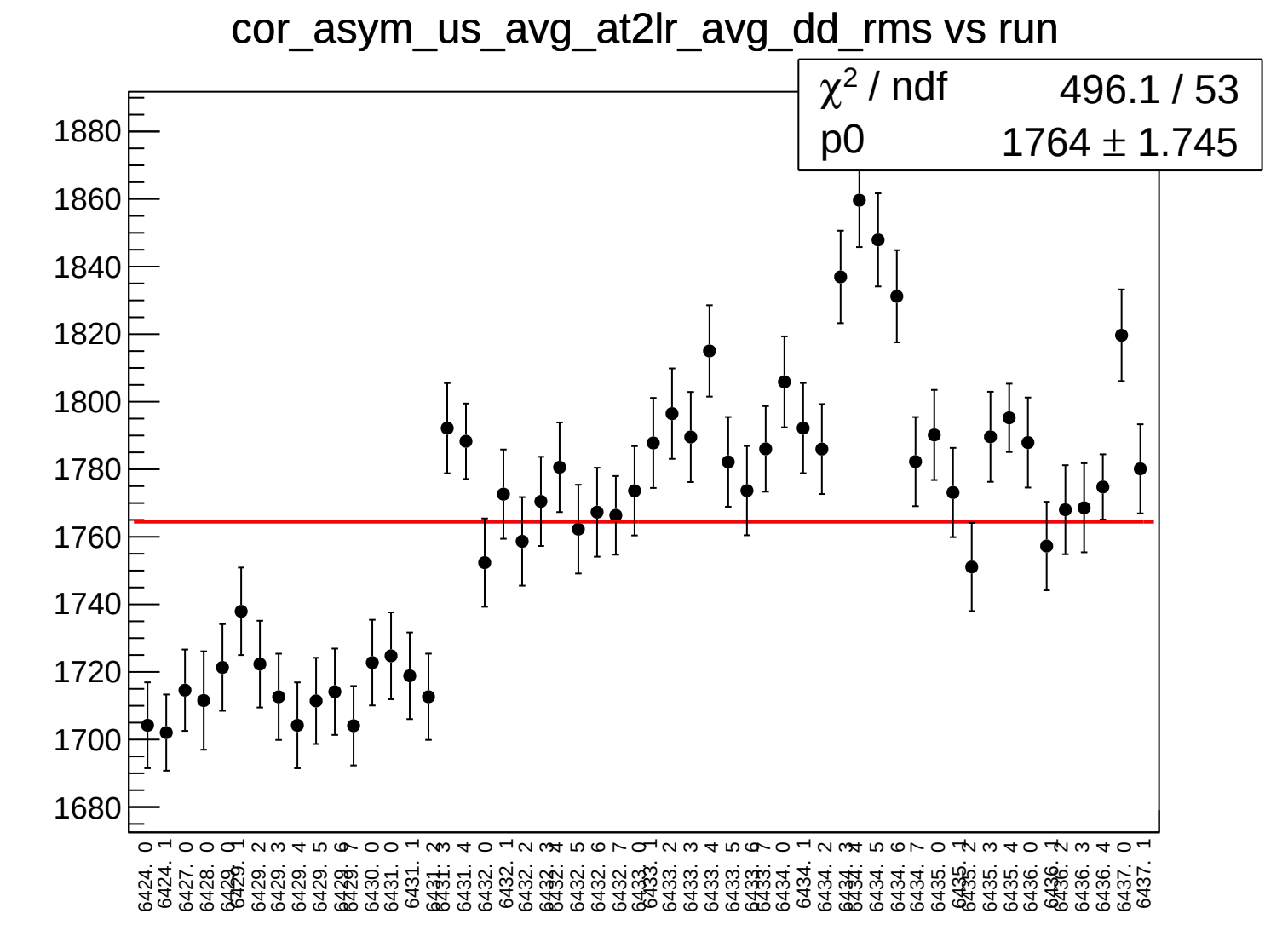

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.21 / 53
p0 5039 ± 9571
200
100
0
−100
−200
−300
pull
Entries 54
Mean 505.5
Std Dev 0
2
1
0
−1
−2
−3

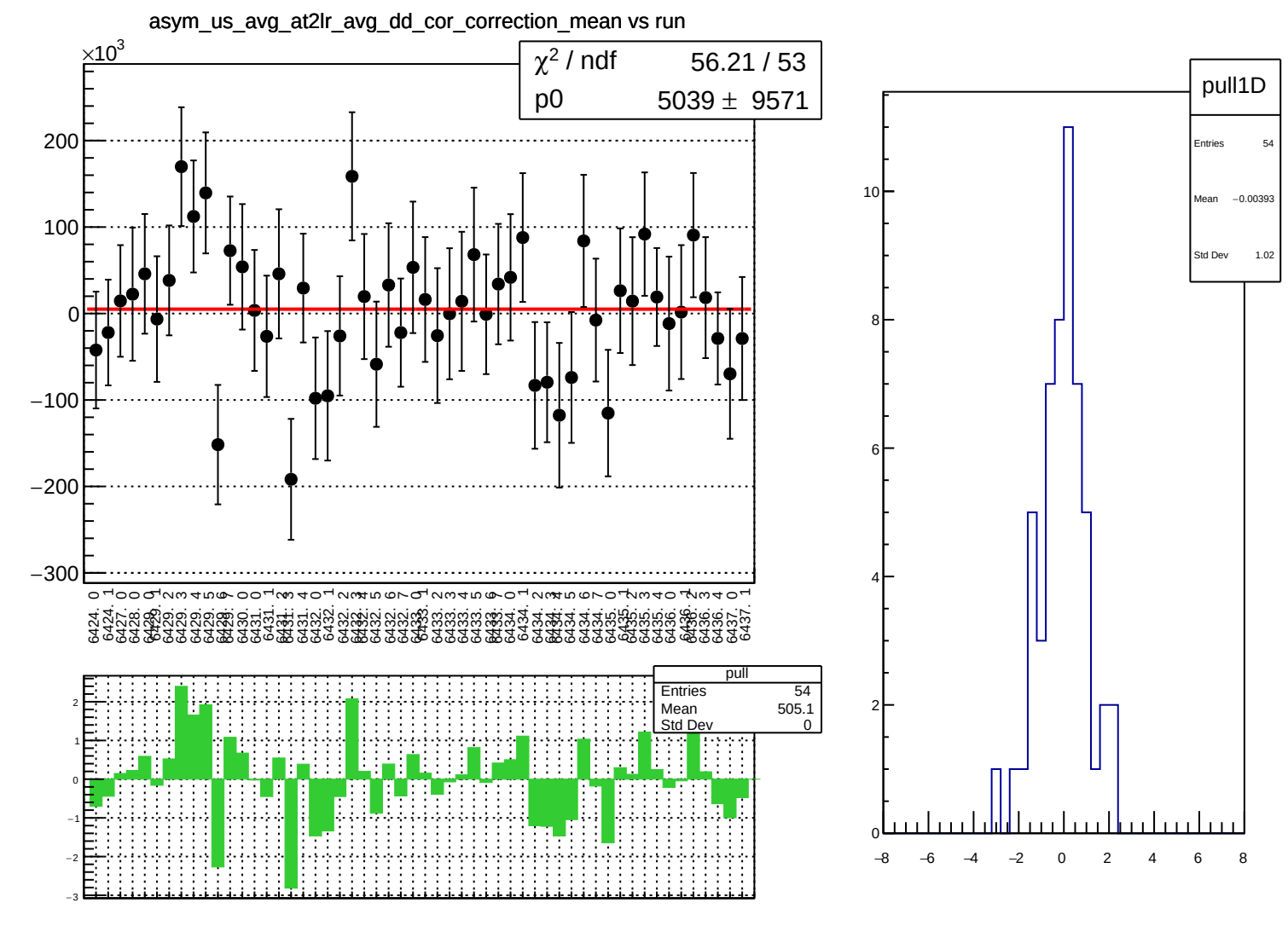

pull1D
Entries 54
Mean −0.003927
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

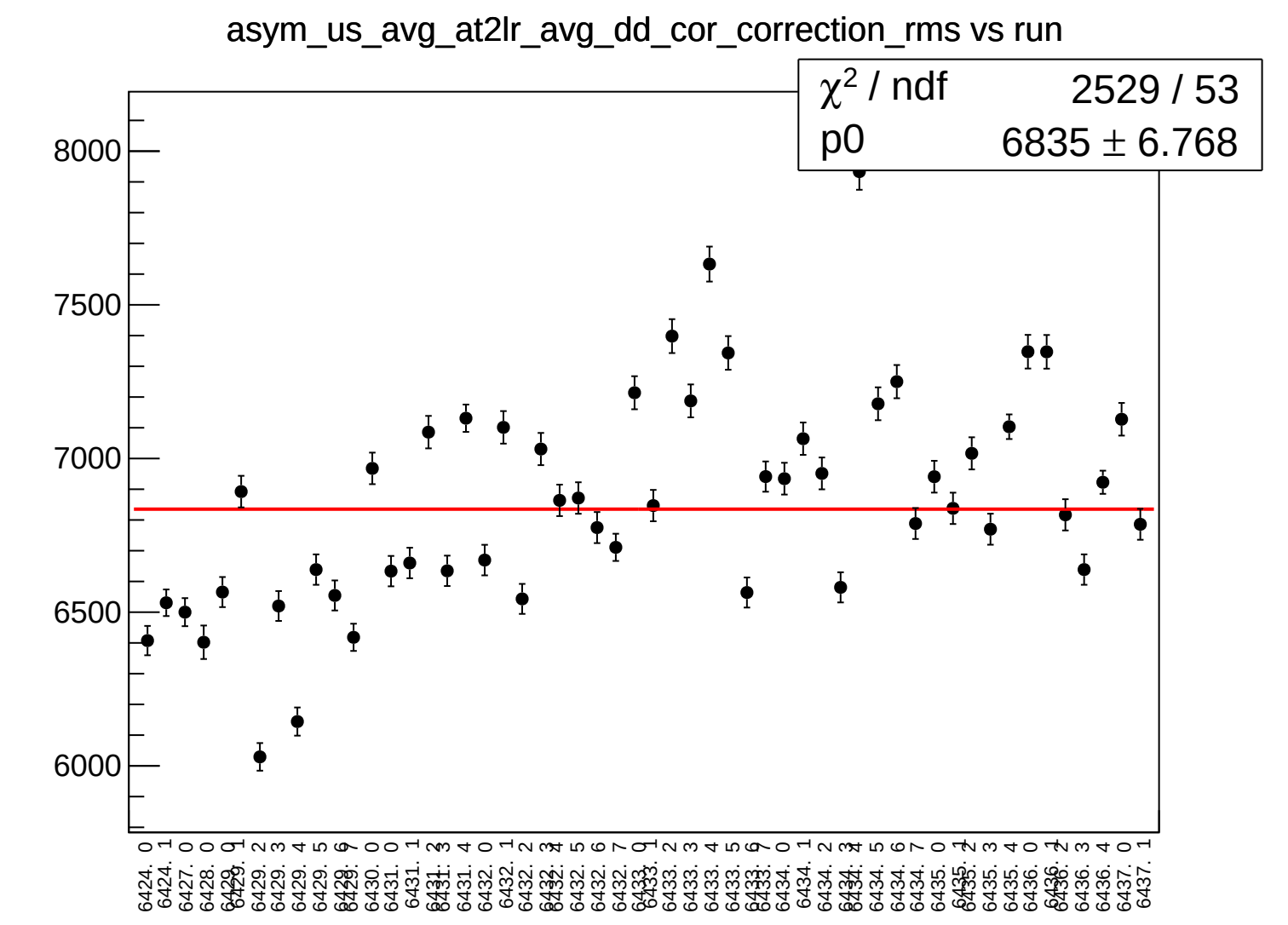

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2528 / 53
p0 6835 ± 6.768
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

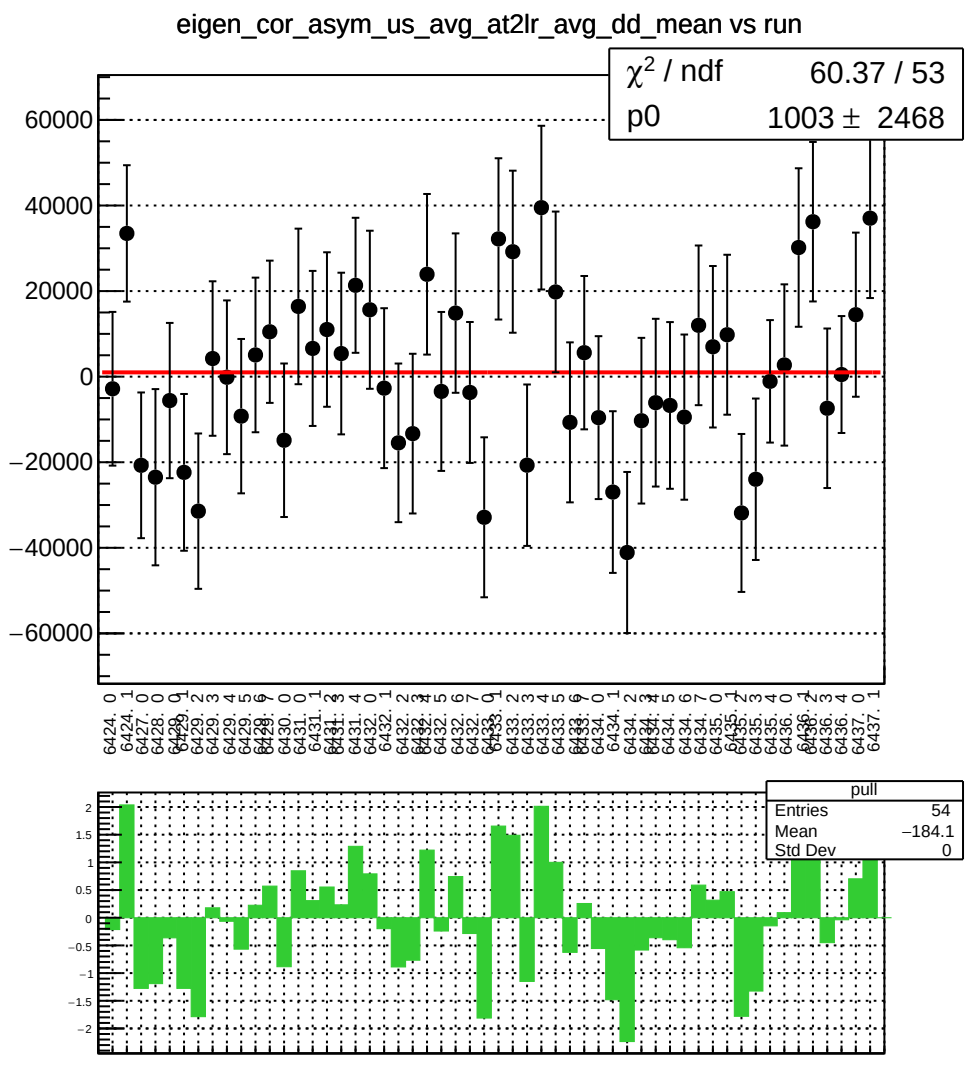

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 60.37 / 53
p0 1003 ± 2468
pull
Entries 54
Mean −184.1
Std Dev 0

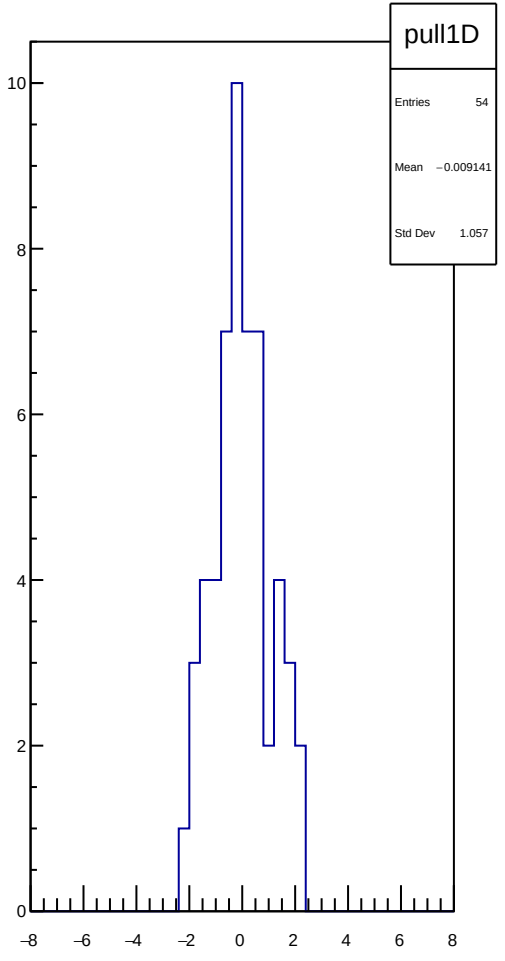

pull1D
Entries 54
Mean −0.009141
Std Dev 1.057

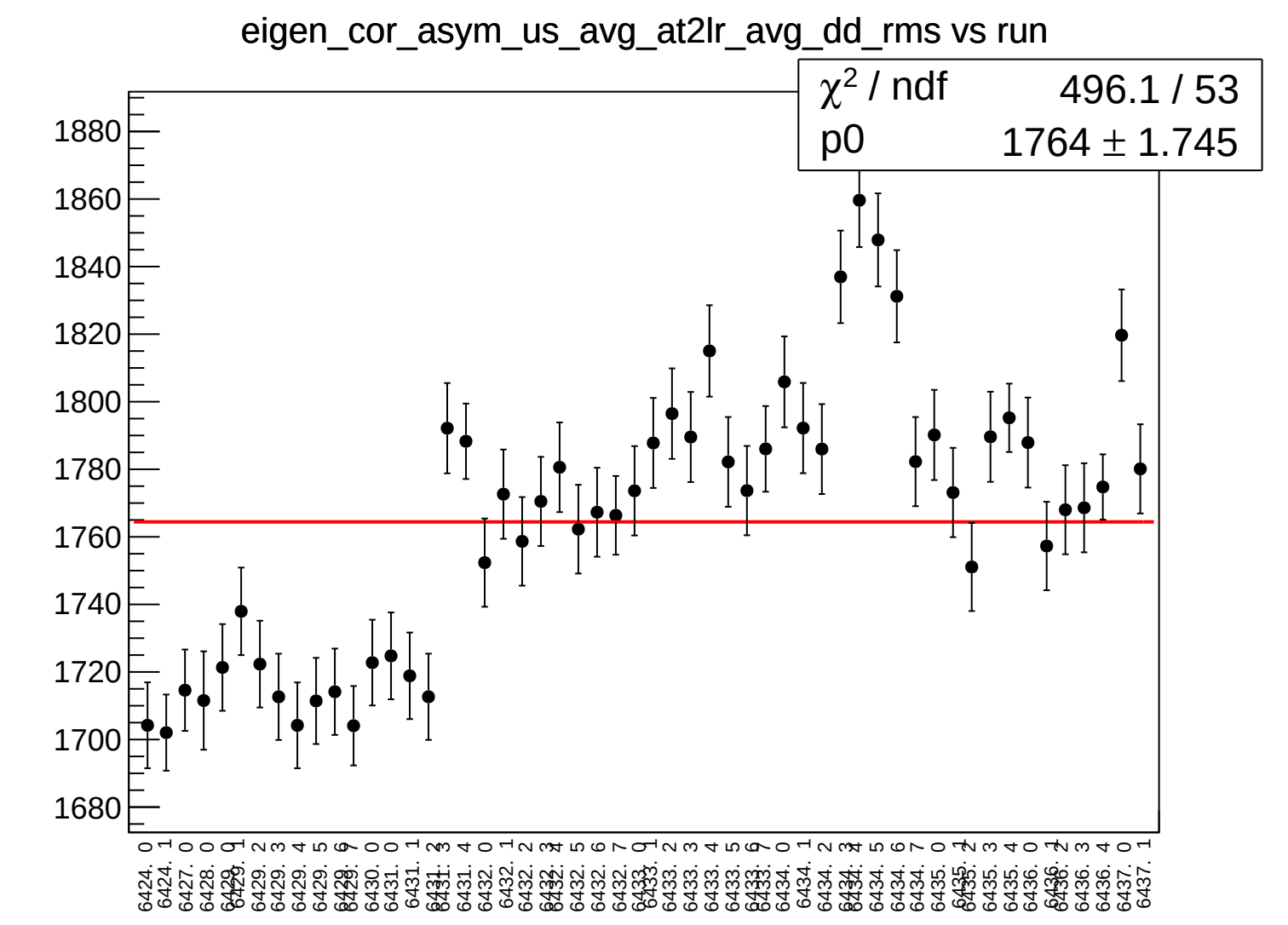

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 496.1 / 53
p0 1764 ± 1.745
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

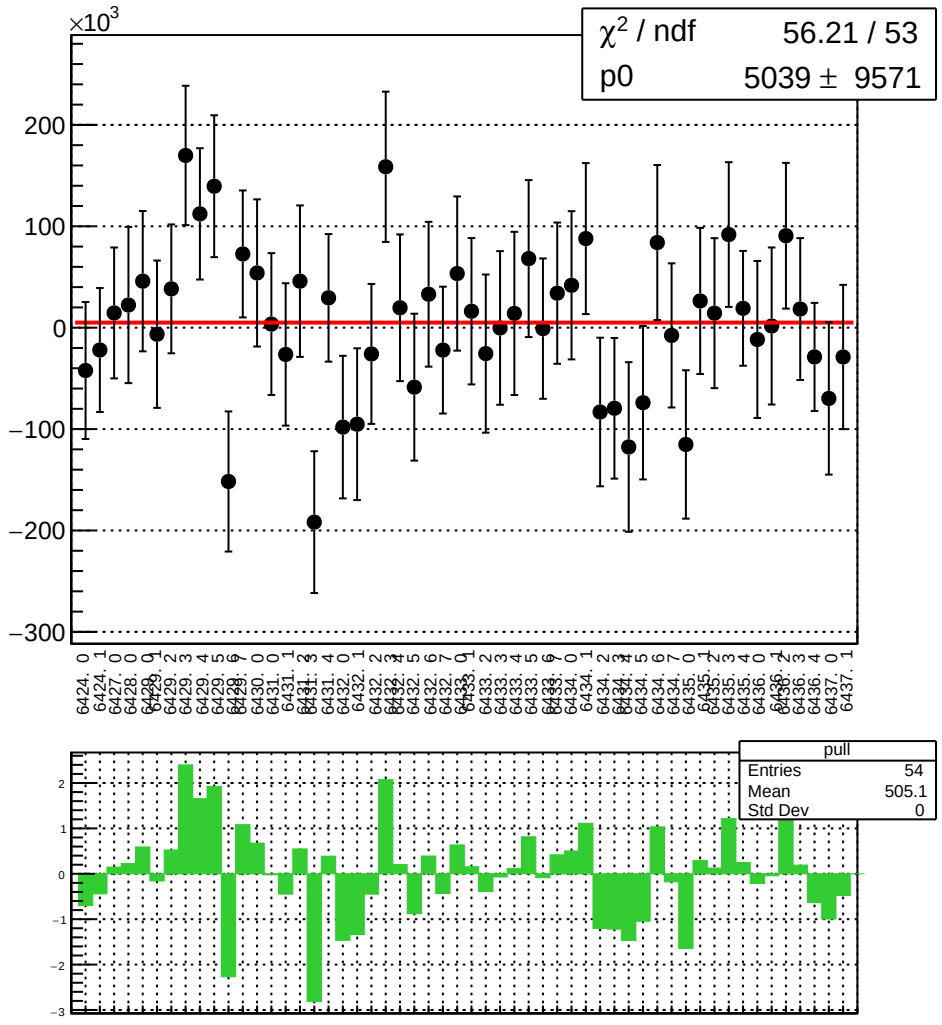

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 56.21 / 53
p0 5039 ± 9571
200
100
0
−100
−200
−300
pull
Entries 54
Mean 505.1
Std Dev 0
pull1D
Entries 54
Mean −0.00393
Std Dev 1.02

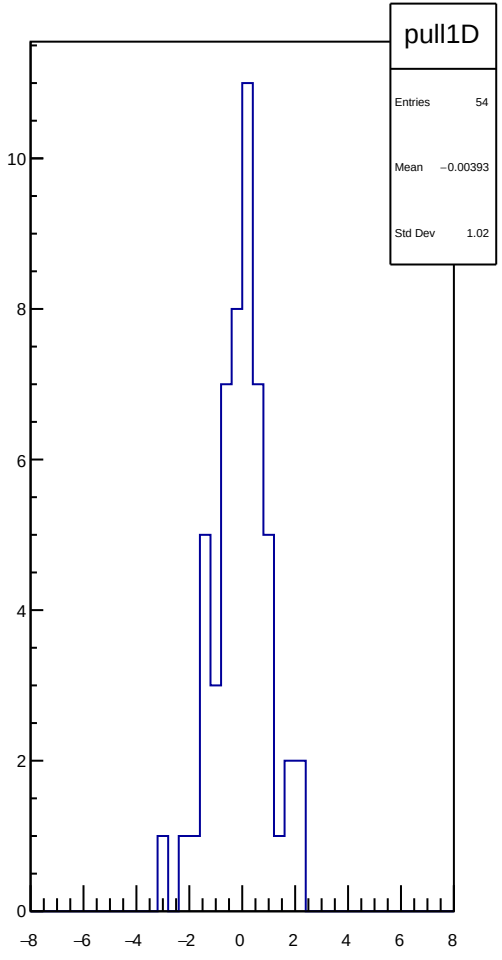

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2529 / 53
p0 6835 ± 6.768
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

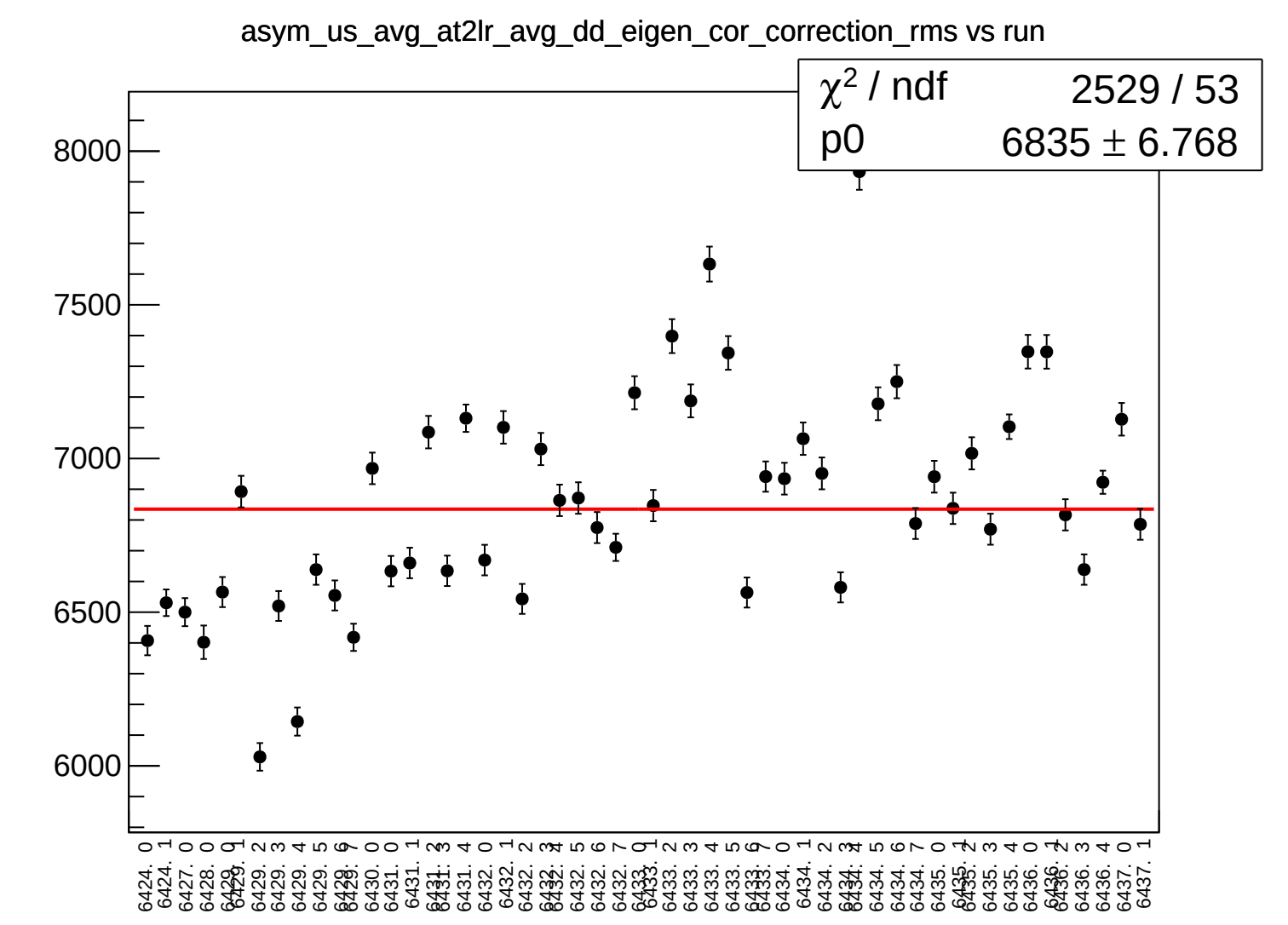

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 60.37 / 53
p0 1003 ± 2468
pull
Entries 54
Mean −184.1
Std Dev 0

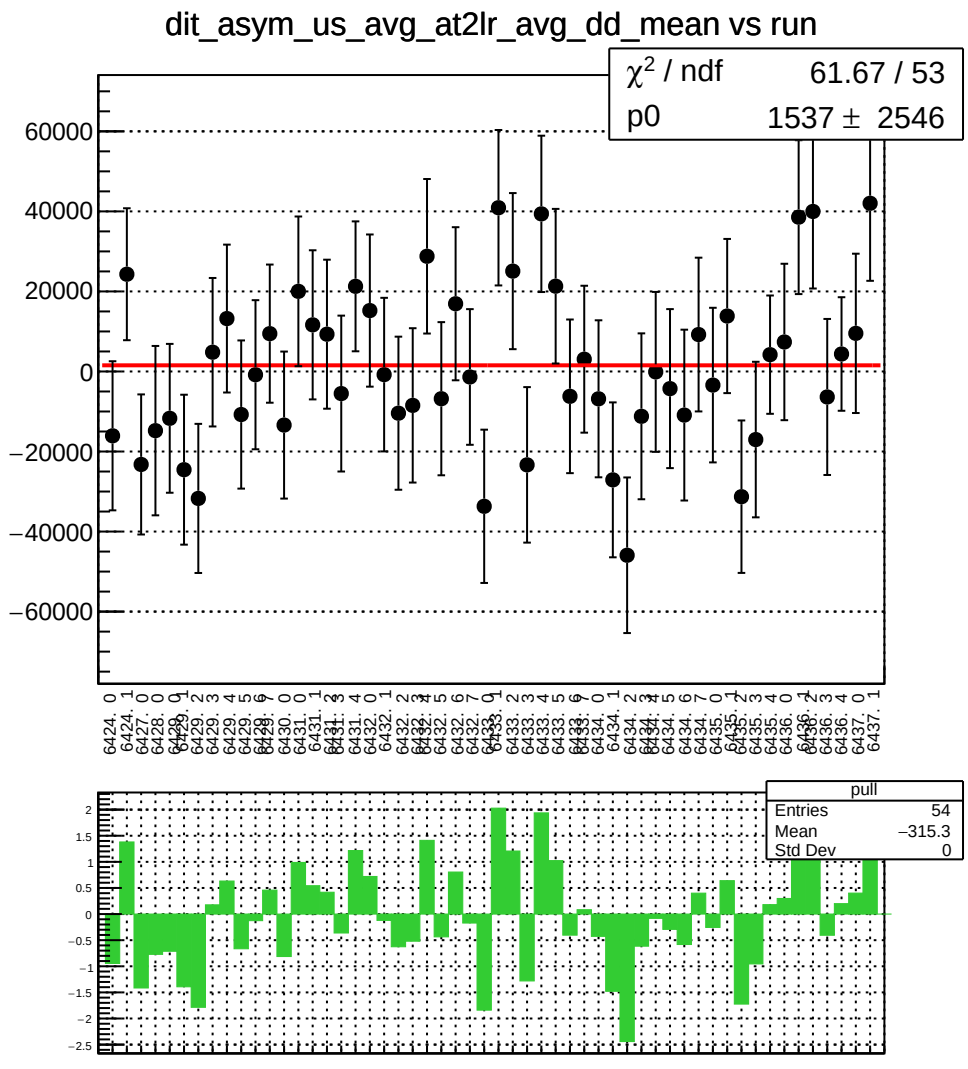

pull1D
Entries 54
Mean −0.009141
Std Dev 1.057

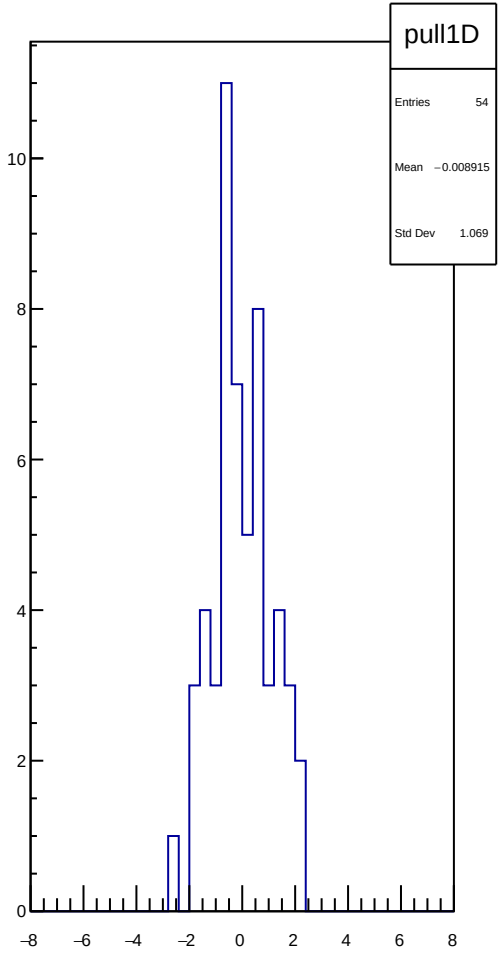

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 496.1 / 53
p0 1764 ± 1.745
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

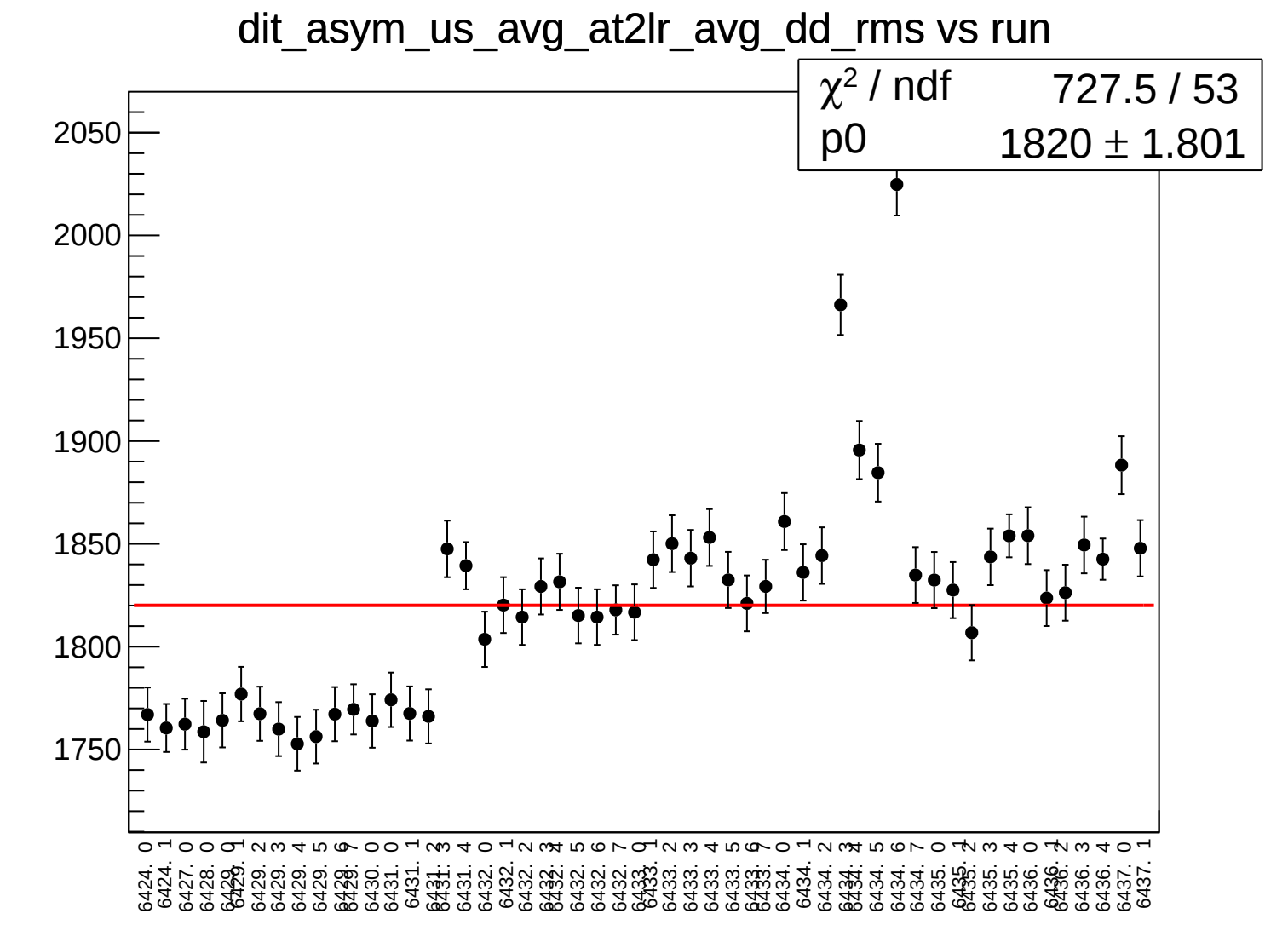

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 56.21 / 53
p0 5039 ± 9571
pull
Entries 54
Mean 505.1
Std Dev 0

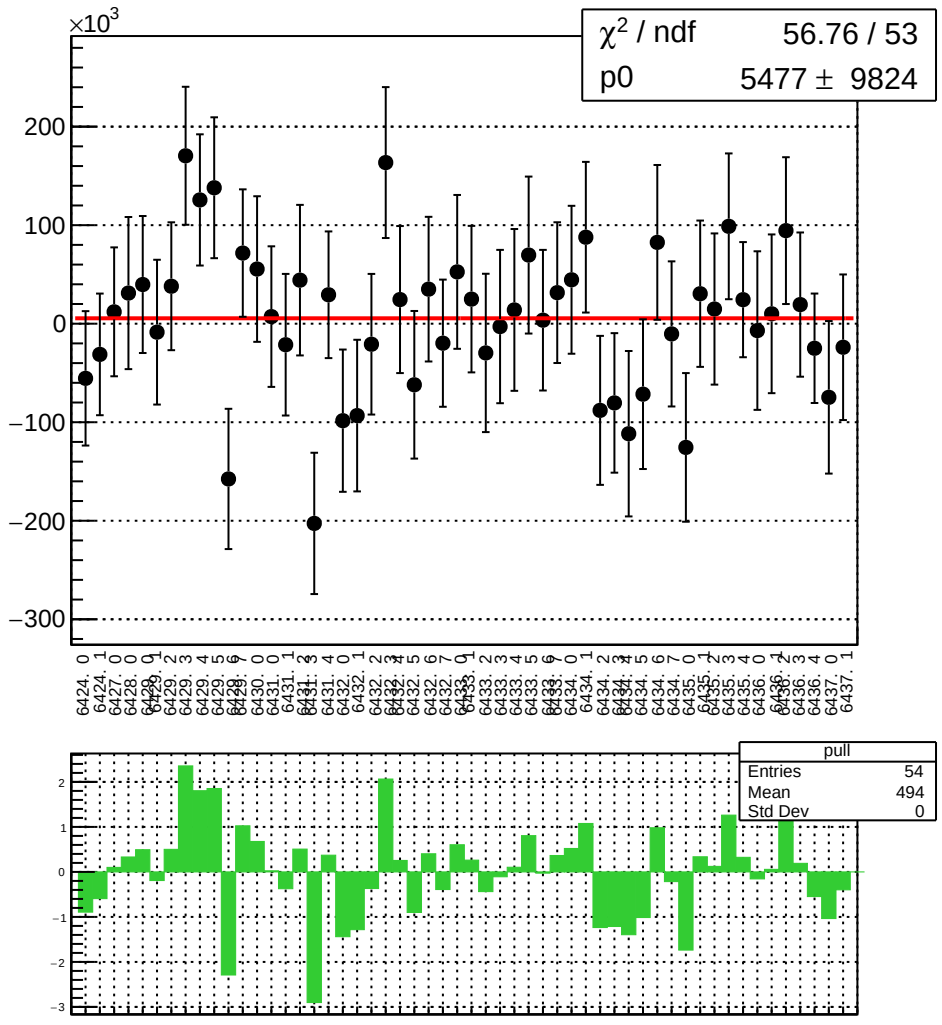

pull1D
Entries 54
Mean −0.00393
Std Dev 1.02

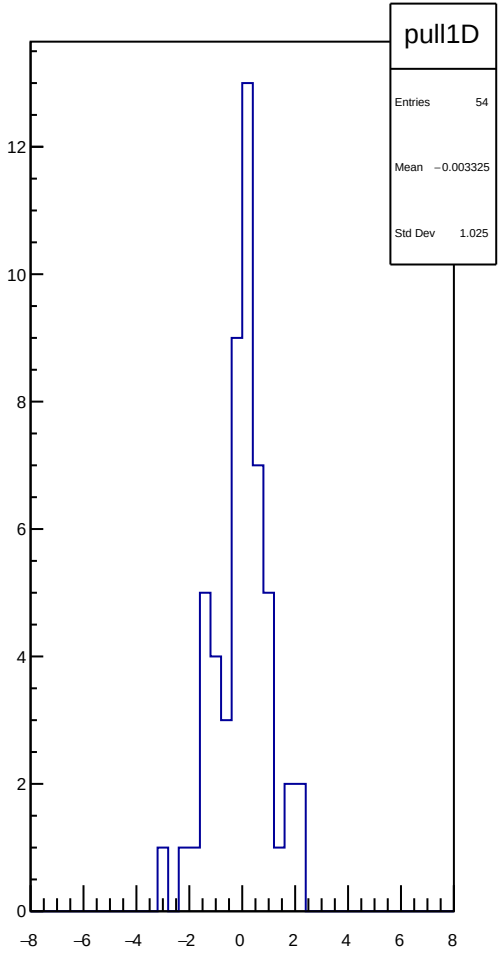

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2529 / 53
p0 6835 ± 6.768
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

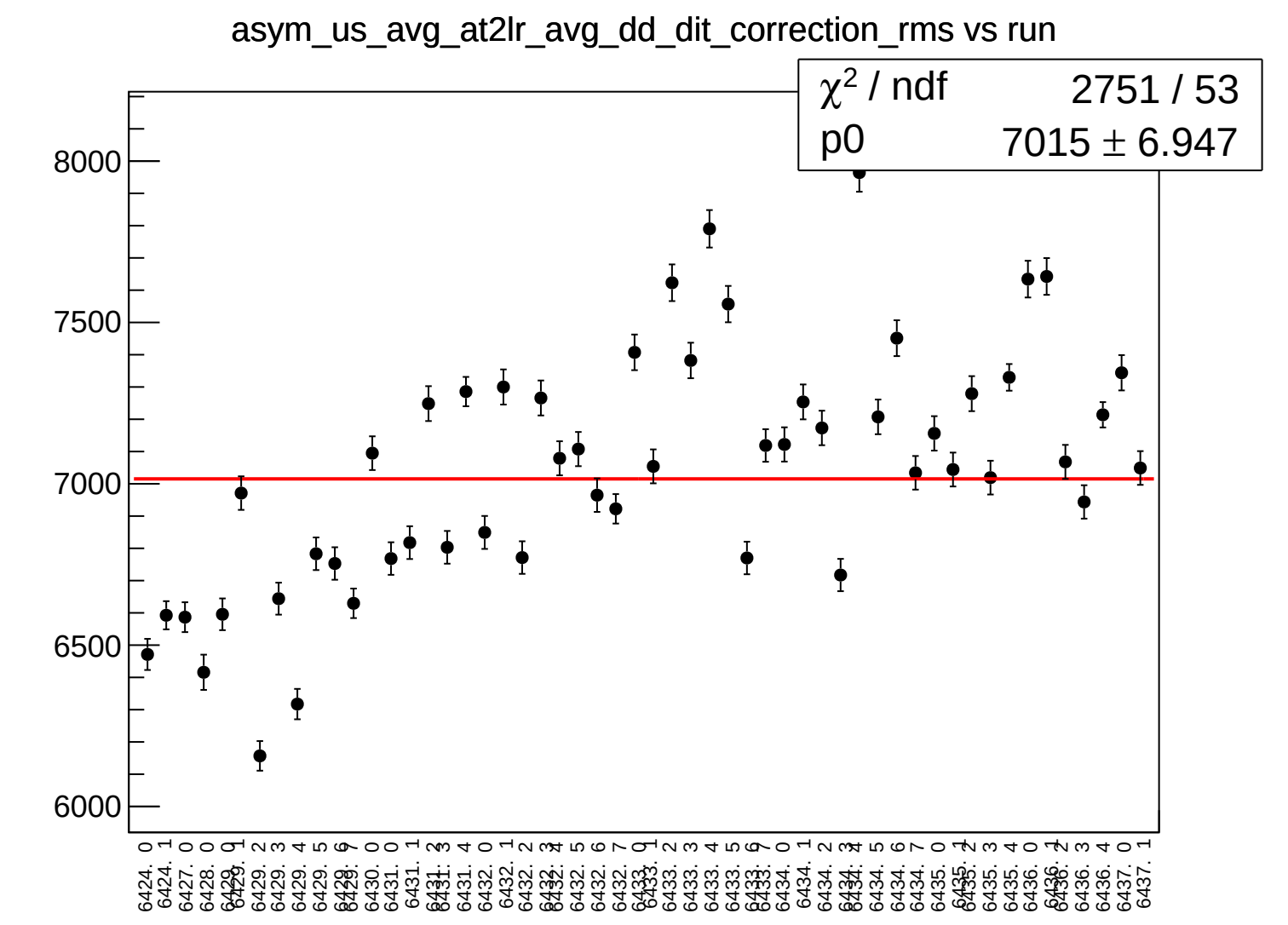

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 61.67 / 53
p0 1537 ± 2546
pull
Entries 54
Mean −315.3
Std Dev 0

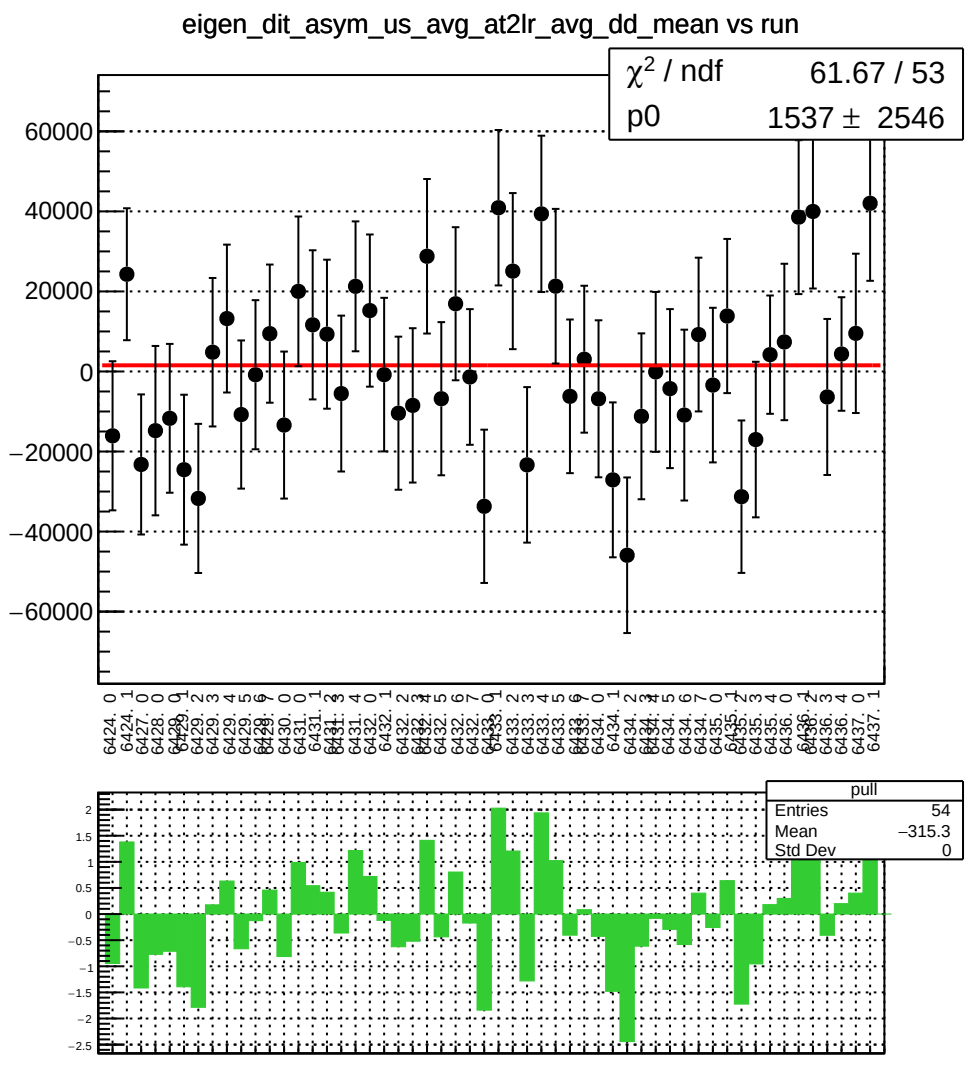

pull1D
Entries 54
Mean −0.008915
Std Dev 1.069

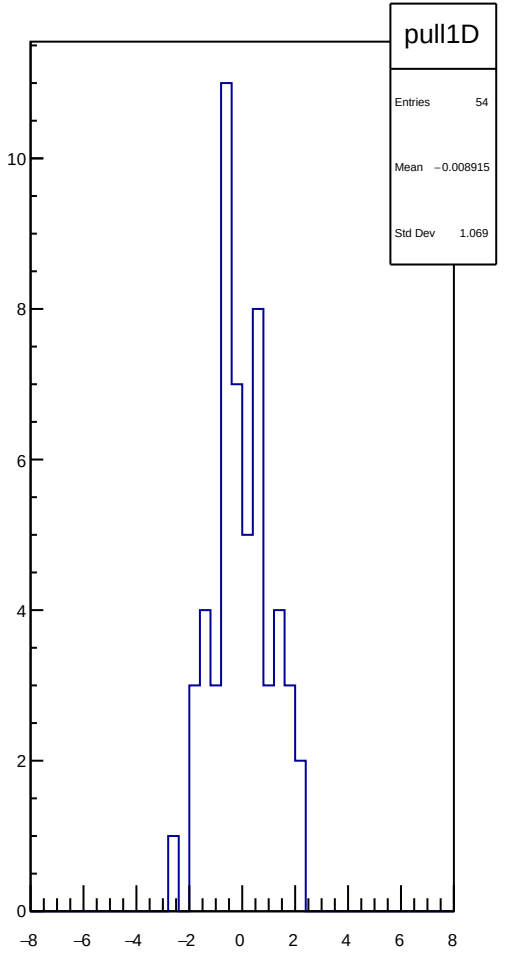

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 727.5 / 53
p0 1820 ± 1.801
2050
2000
1950
1900
1850
1800
1750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

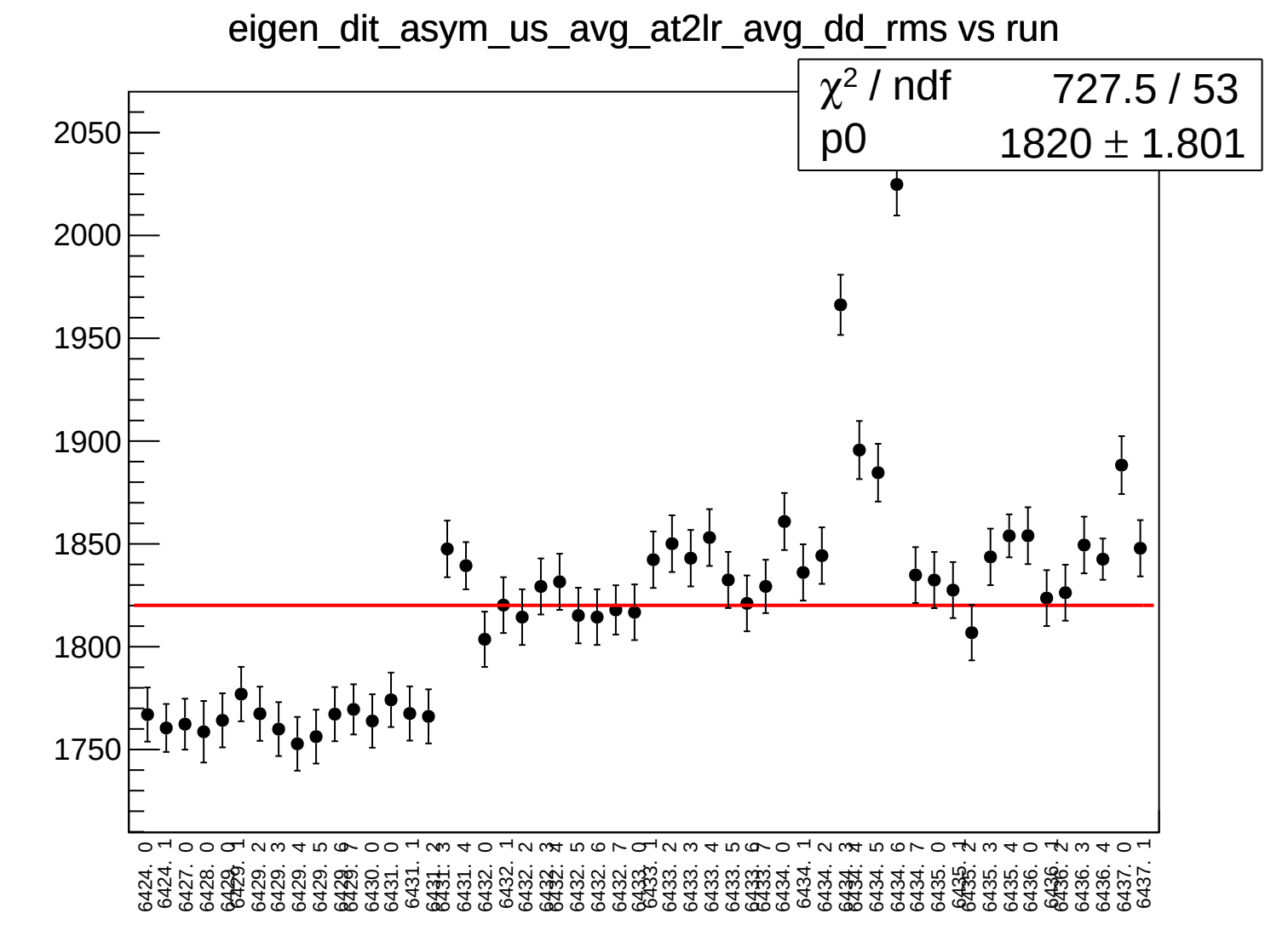

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.76 / 53
p0 5477 ± 9824
200
100
0
−100
−200
−300
pull
Entries 54
Mean 494
Std Dev 0
2
1
0
−1
−2
−3

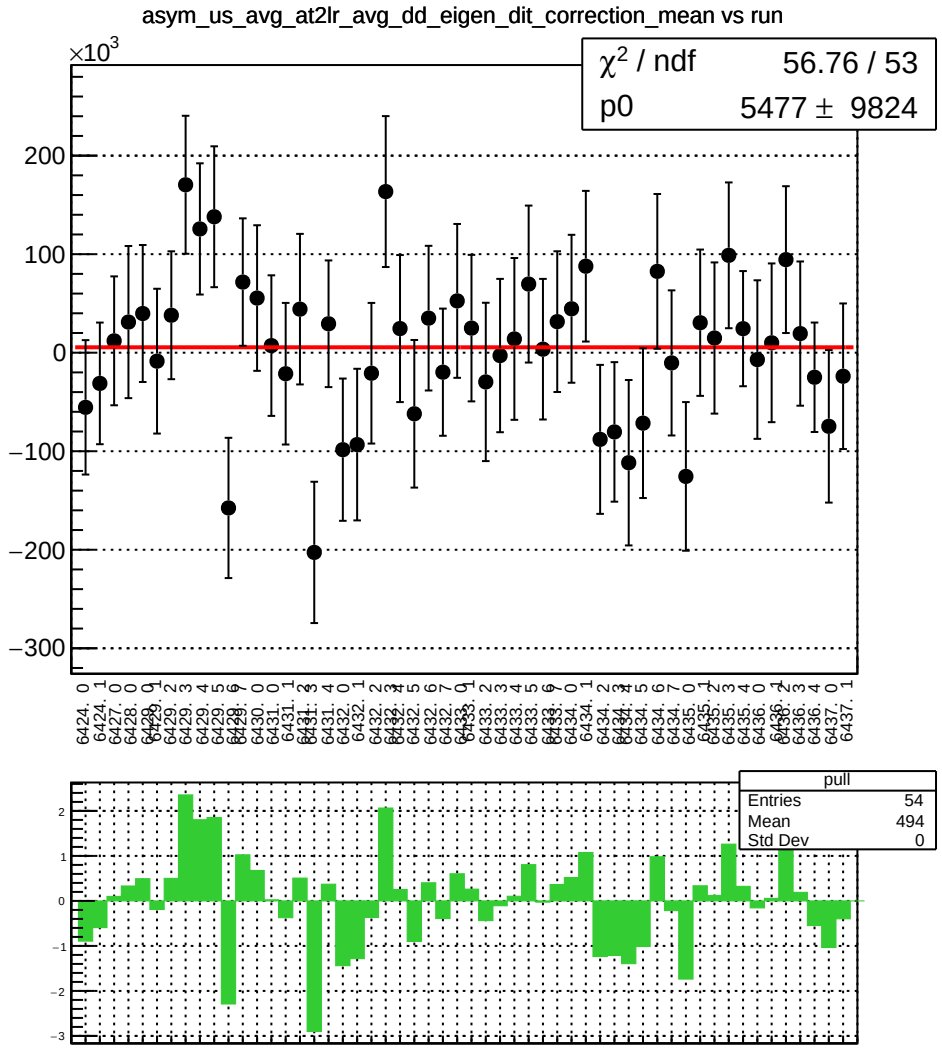

pull1D
Entries 54
Mean −0.003325
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

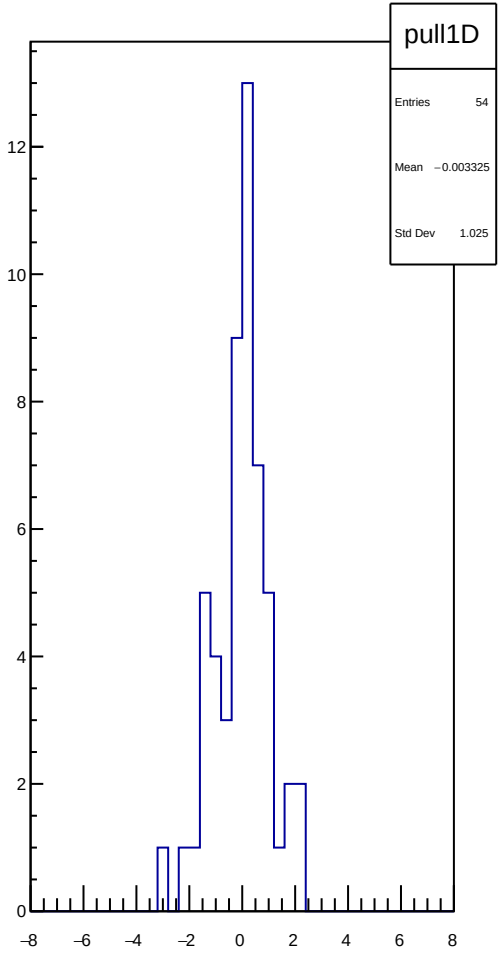

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2751 / 53
p0 7015 ± 6.947
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

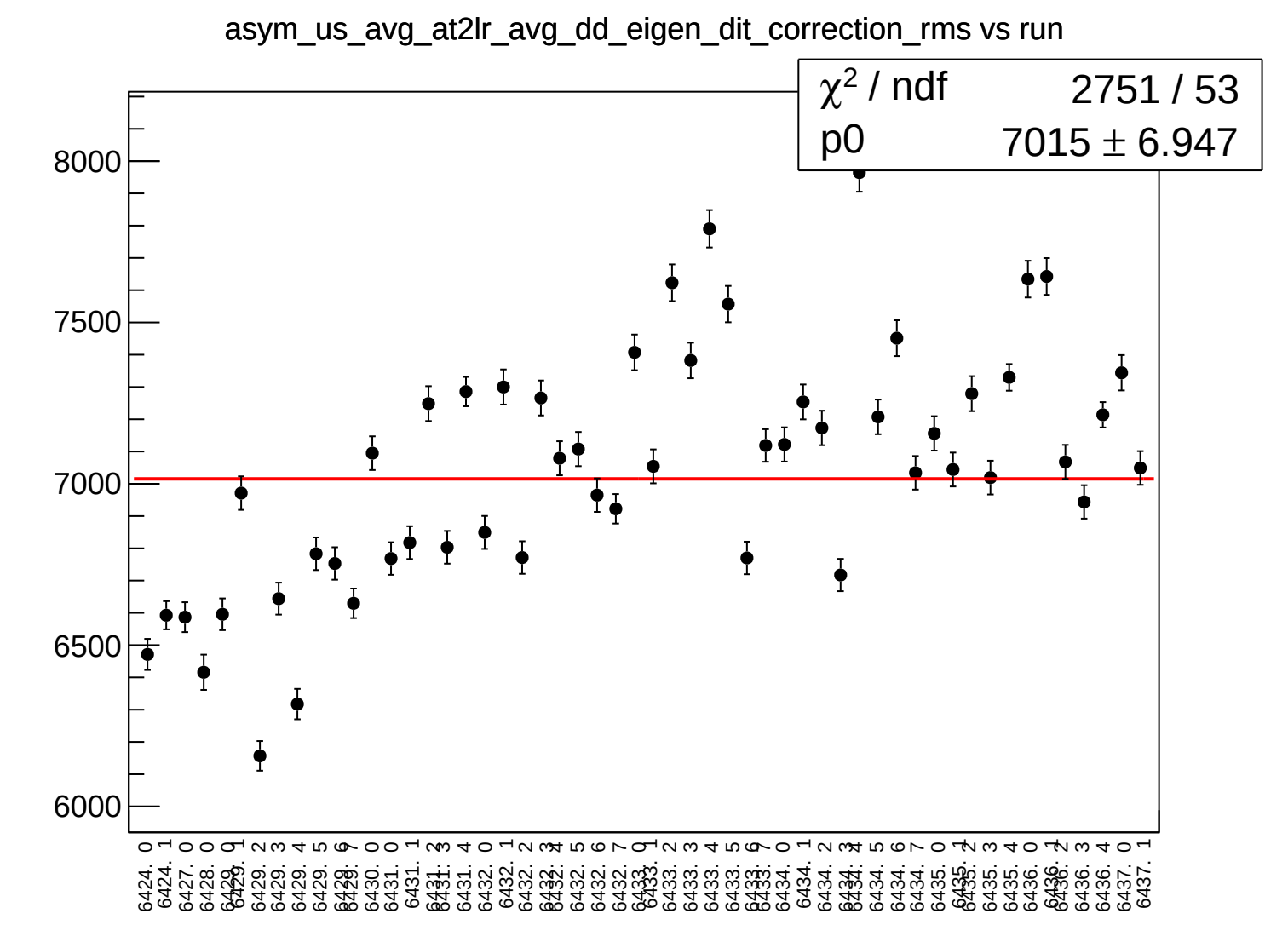

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 61.67 / 53
p0 1537 ± 2546
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −315.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

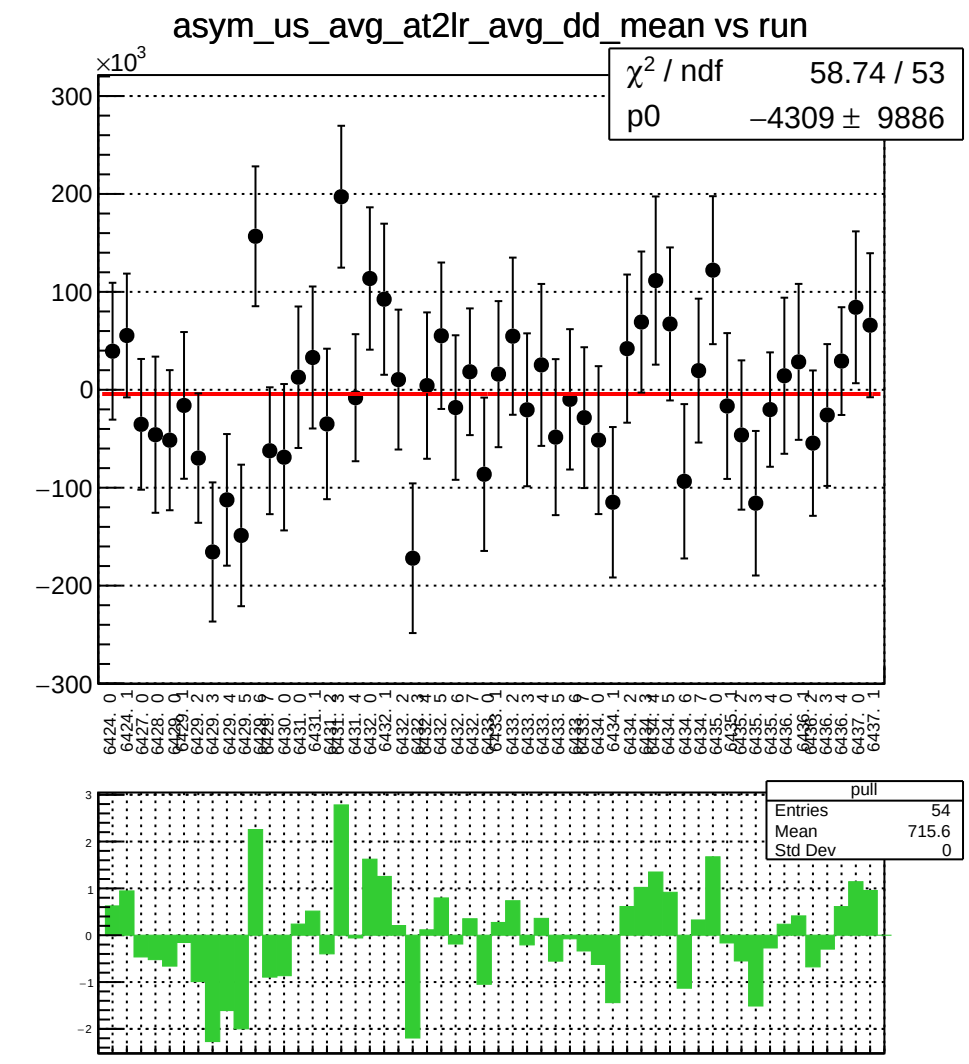

pull1D
Entries 54
Mean −0.008915
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

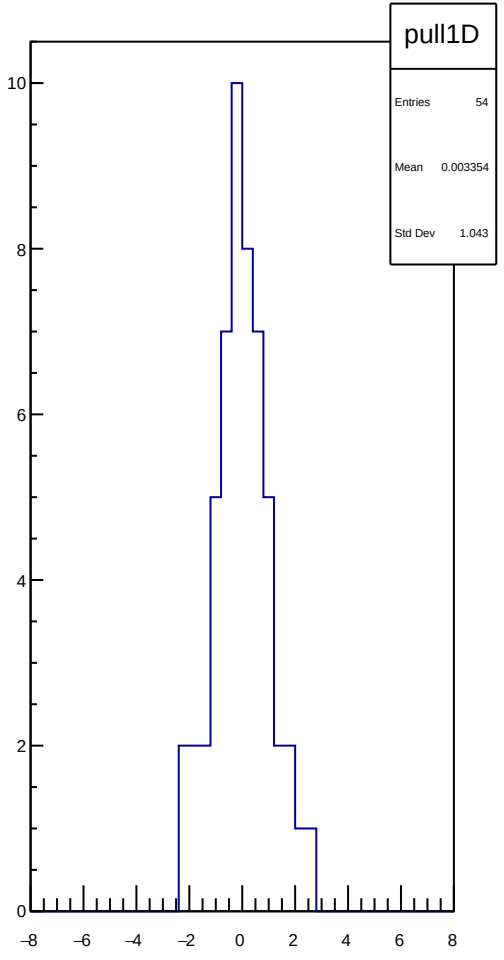

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 727.5 / 53
p0 1820 ± 1.801
2050
2000
1950
1900
1850
1800
1750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

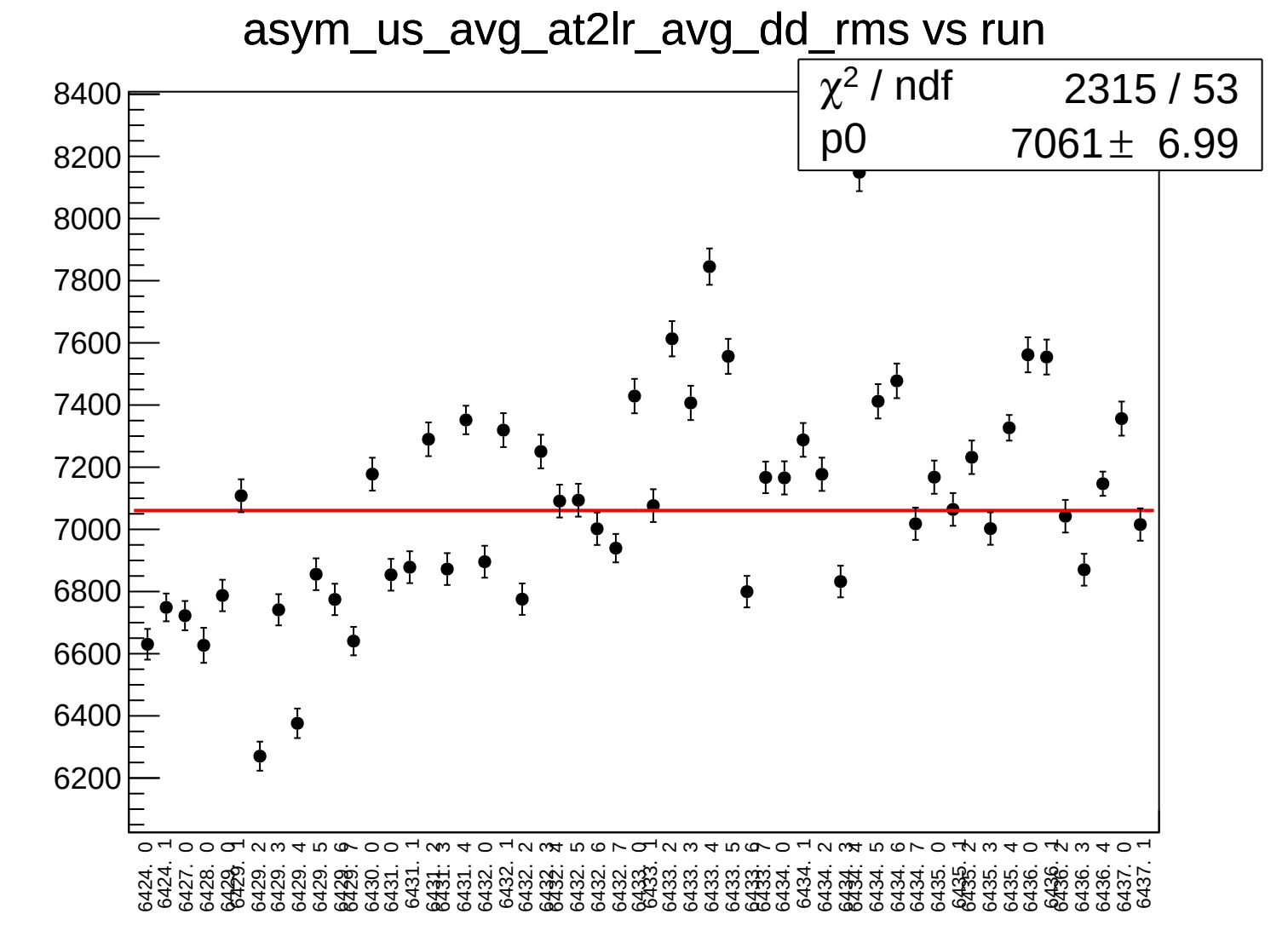

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.76 / 53
p0 5477 ± 9824
200
100
0
−100
−200
−300
pull
Entries 54
Mean 494
Std Dev 0
2
1
0
−1
−2
−3

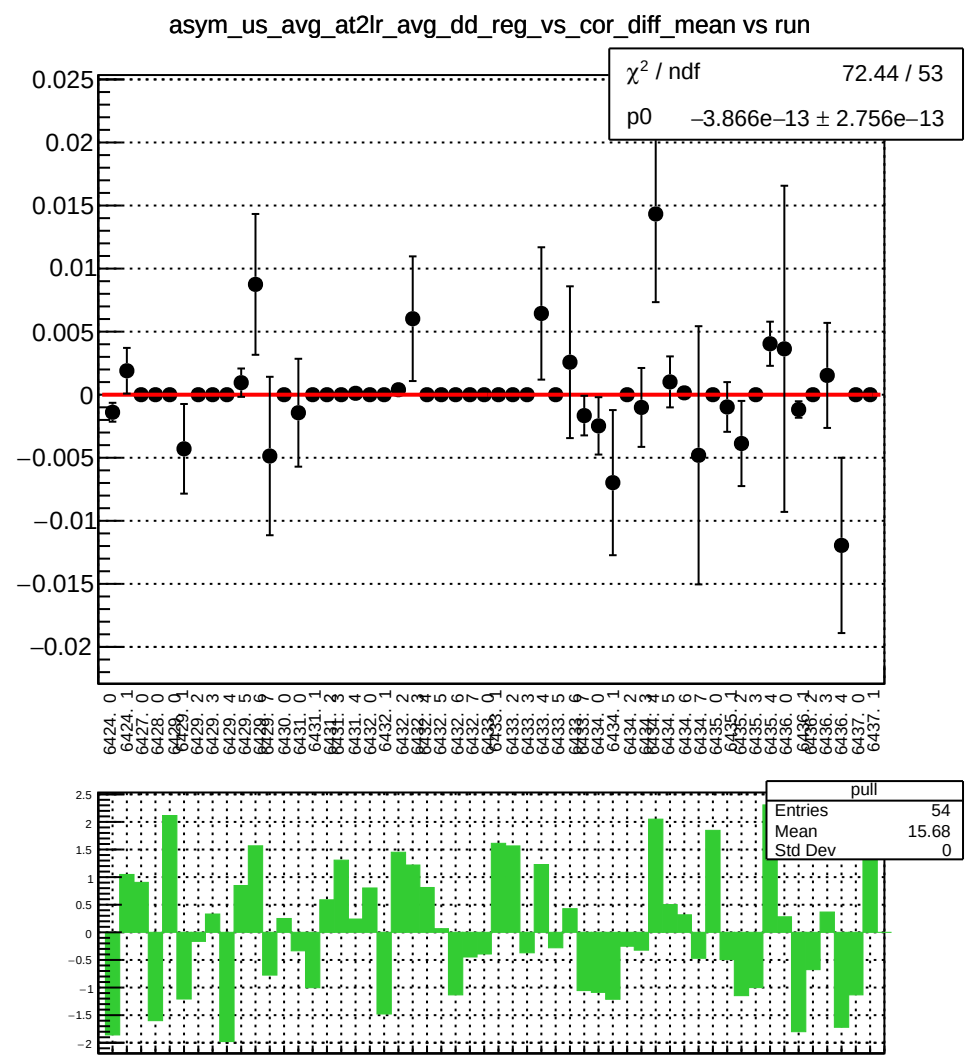

pull1D
Entries 54
Mean −0.003325
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

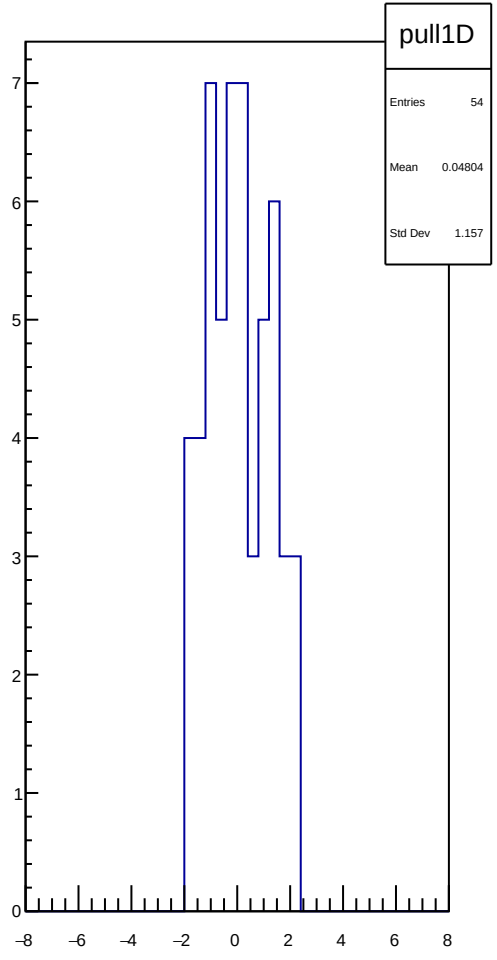

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2751 / 53
p0 7015 ± 6.947
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

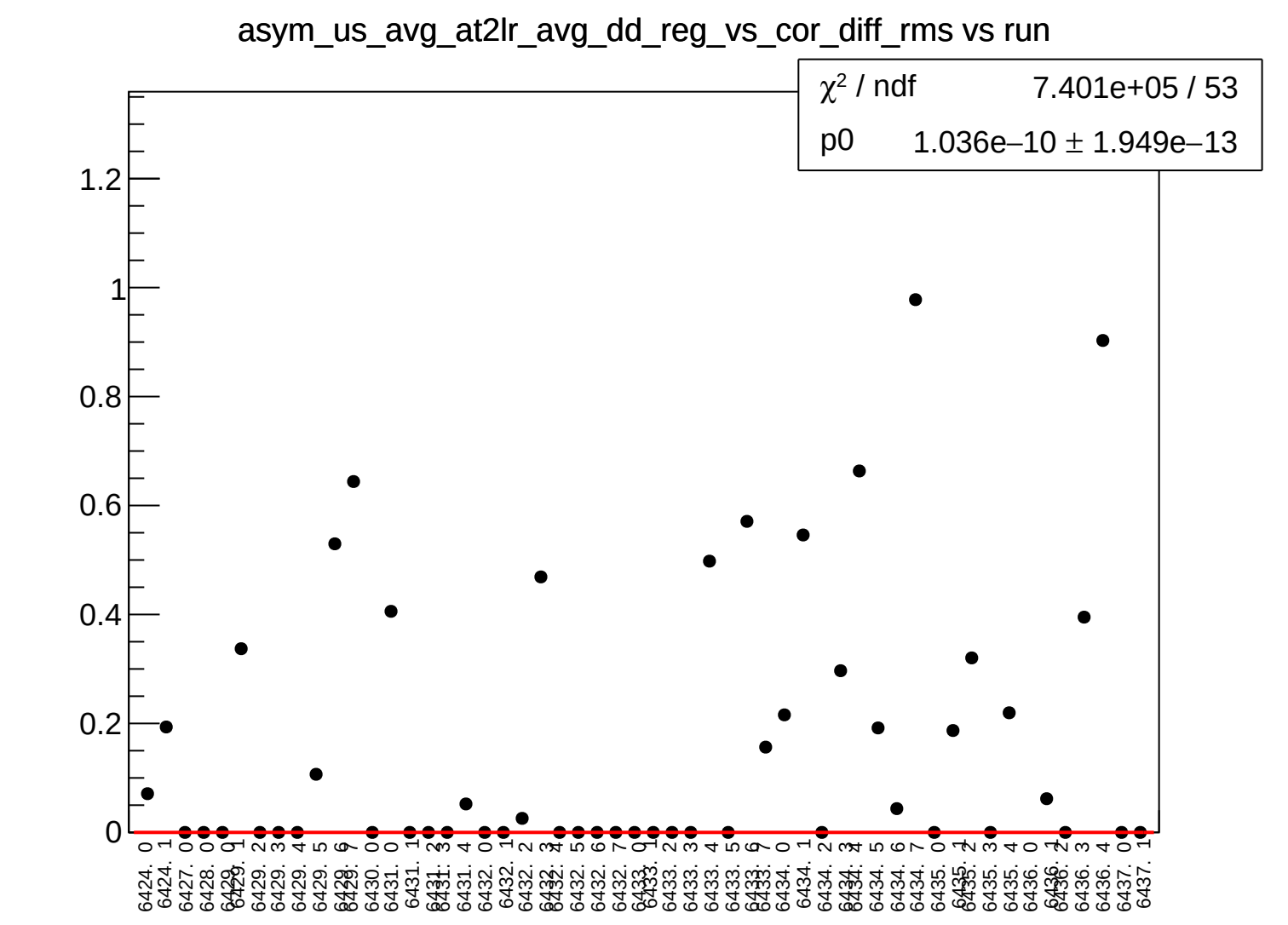

asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.74 / 53
p0 −4309 ± 9886
×10³
pull
Entries 54
Mean 715.6
Std Dev 0

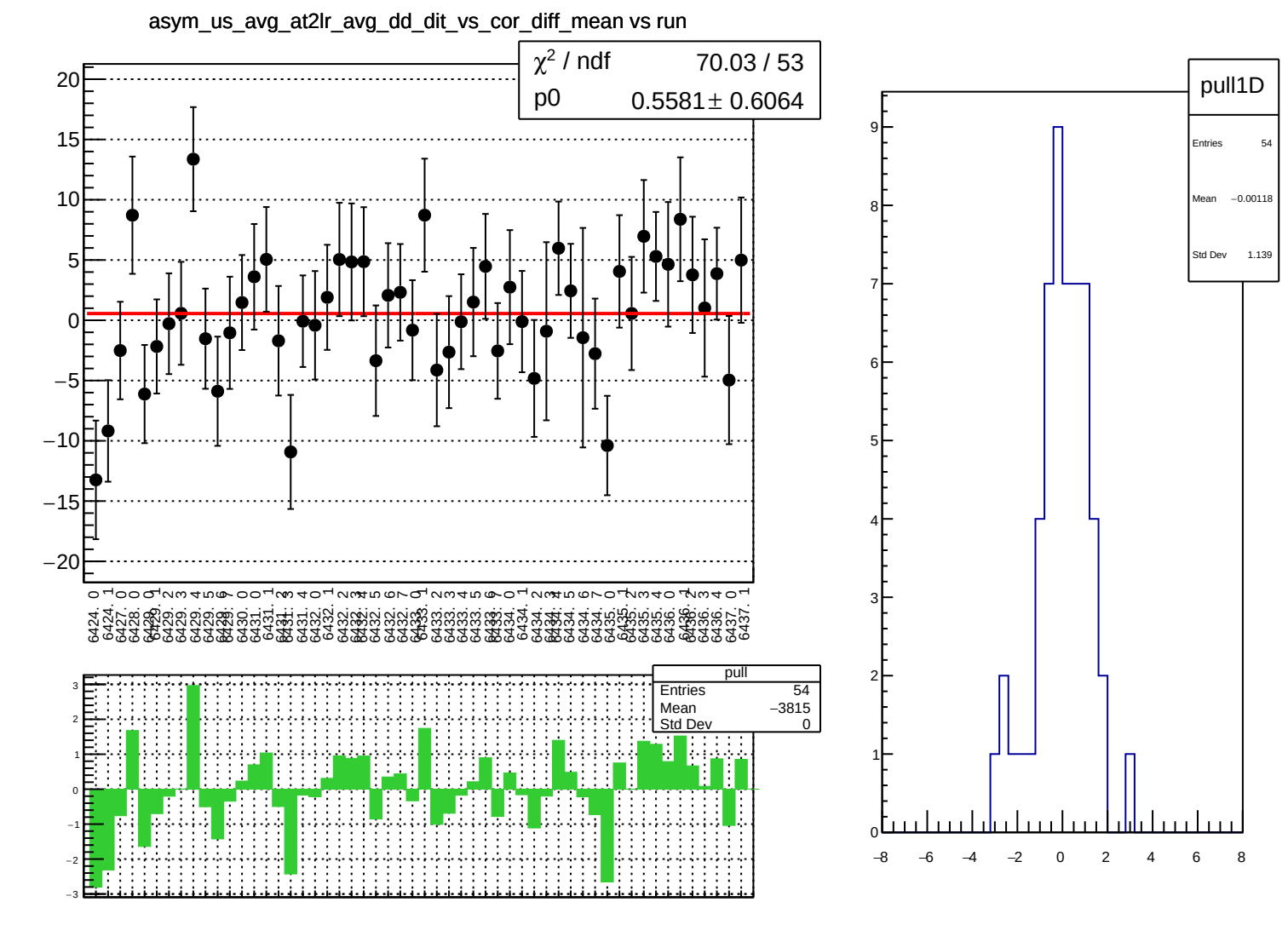

pull1D
Entries 54
Mean 0.003354
Std Dev 1.043

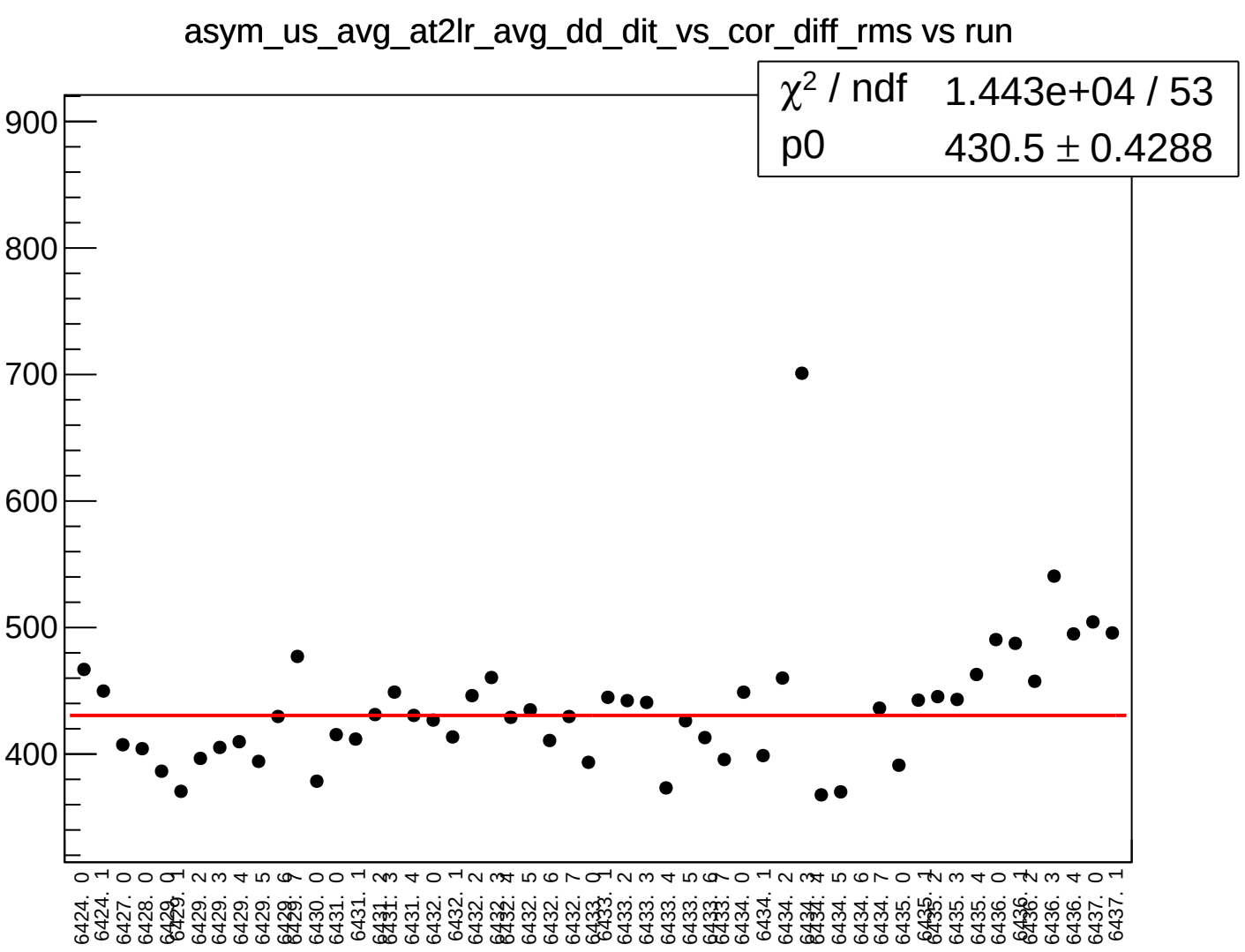

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2315 / 53
p0 7061 ± 6.99
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.44 / 53
p0 −3.866e−13 ± 2.756e−13
pull
Entries 54
Mean 15.68
Std Dev 0

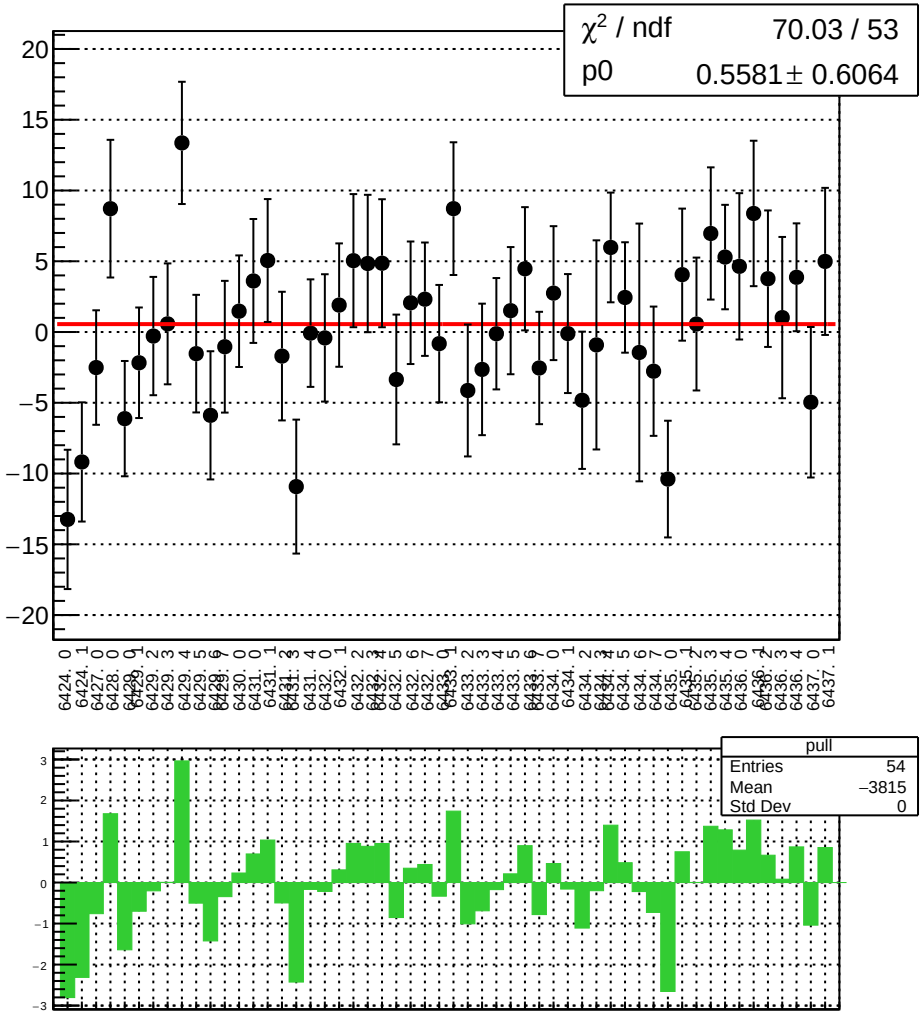

pull1D
Entries 54
Mean 0.04804
Std Dev 1.157

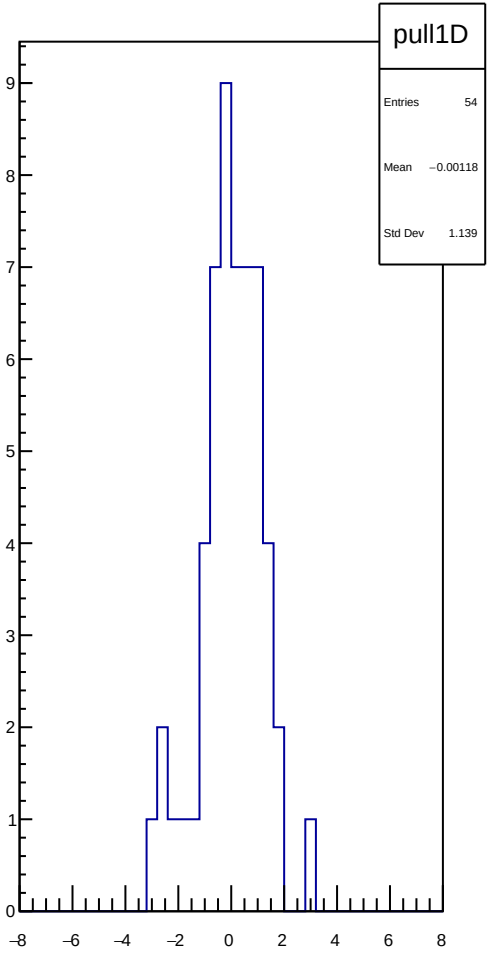

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.401e+05 / 53
p0 1.036e−10 ± 1.949e−13
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

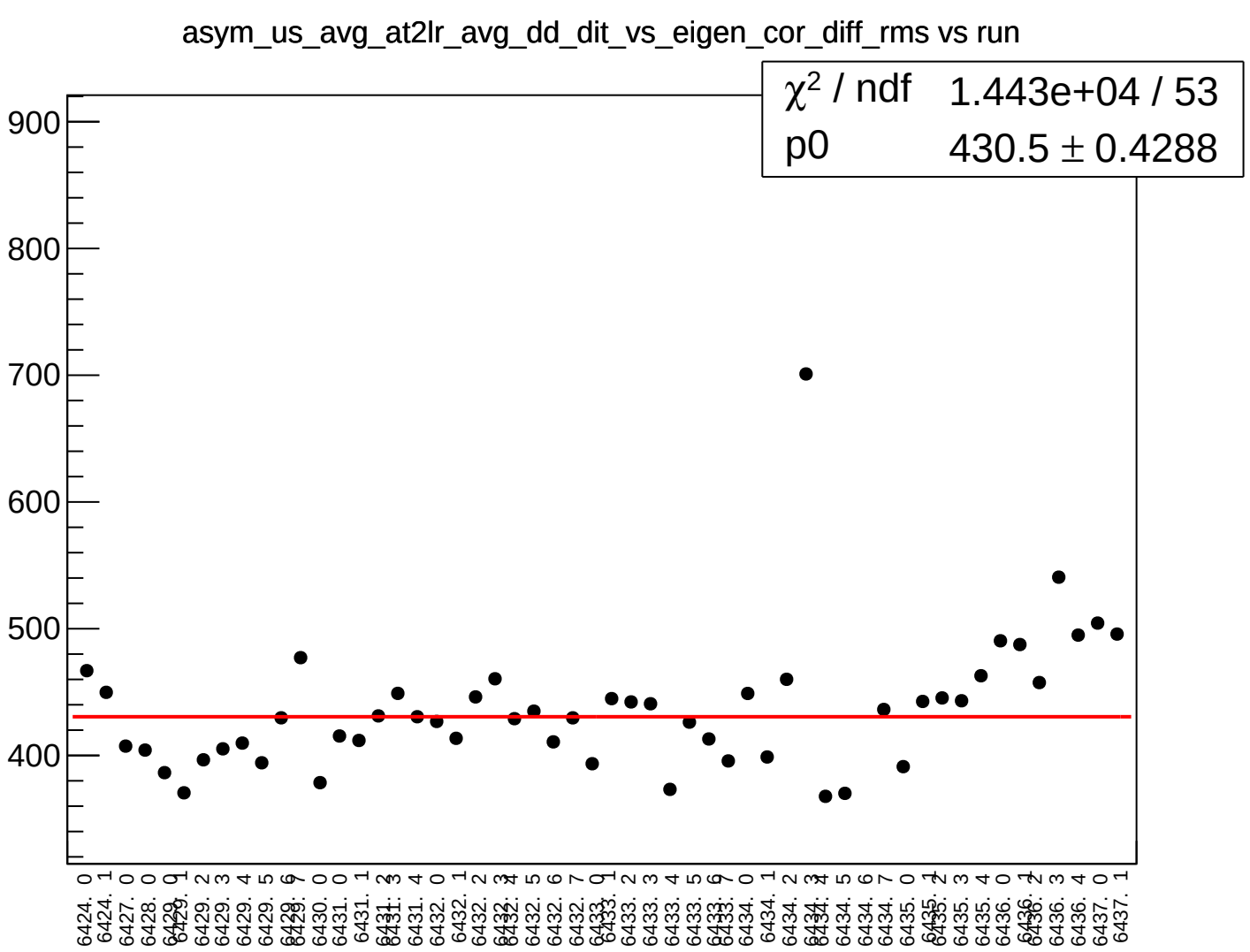

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.03 / 53
p0 0.5581 ± 0.6064
pull
Entries 54
Mean −3815
Std Dev 0
pull1D
Entries 54
Mean −0.00118
Std Dev 1.139

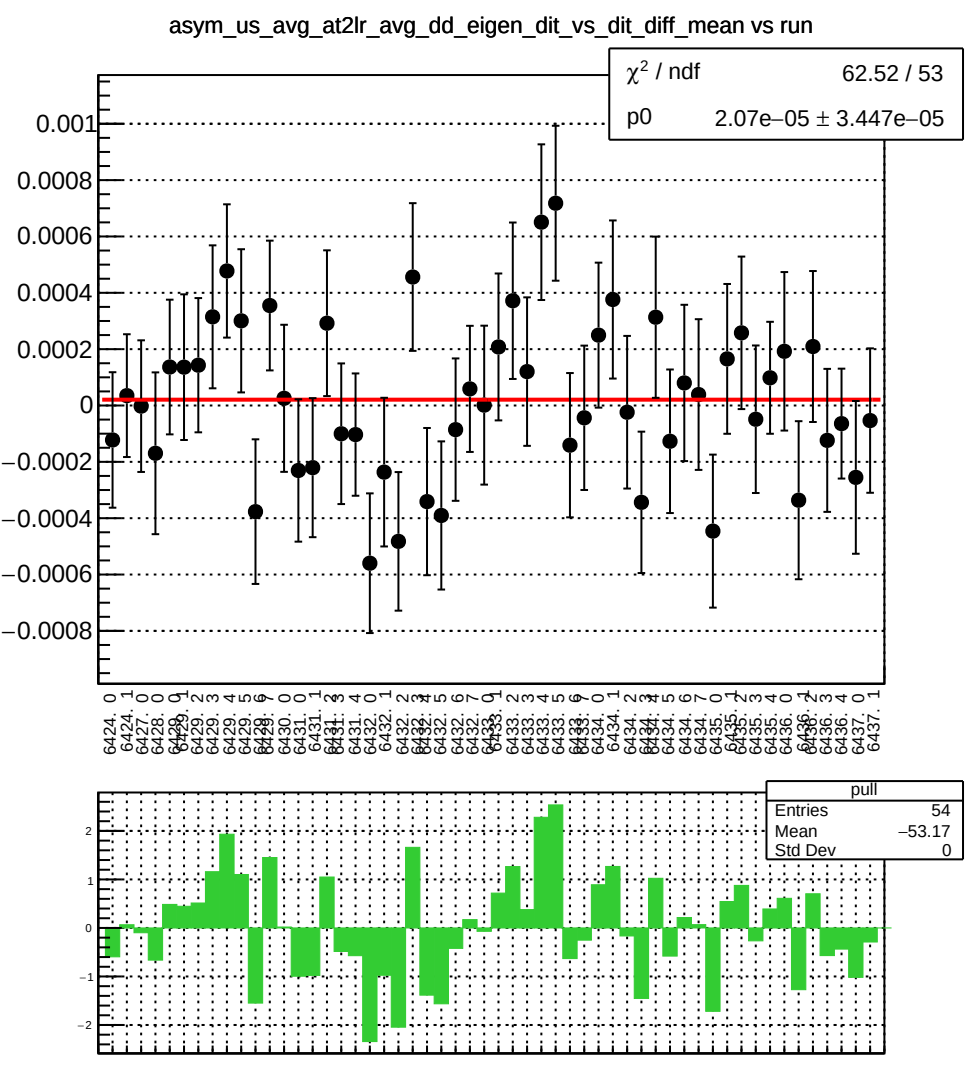

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.443e+04 / 53
p0 430.5 ± 0.4288
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

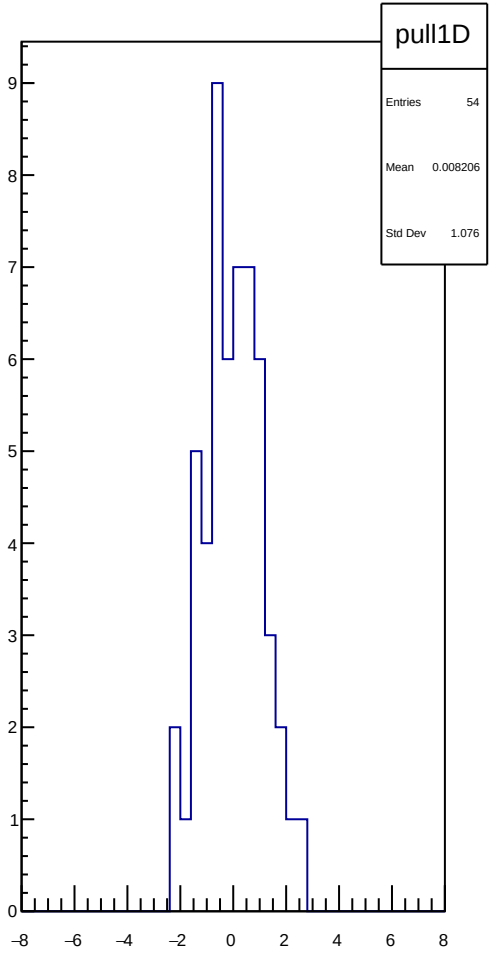
asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run

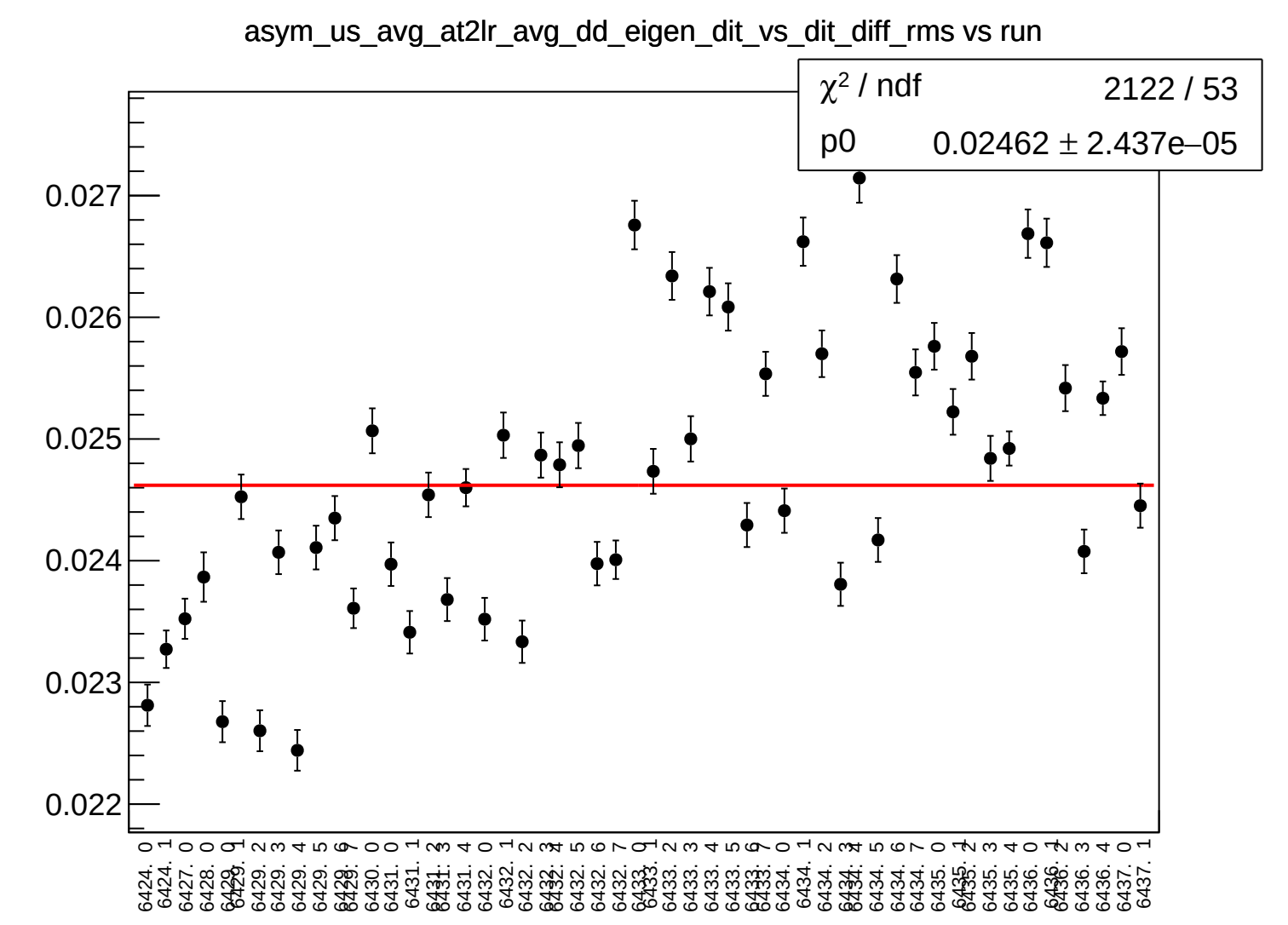




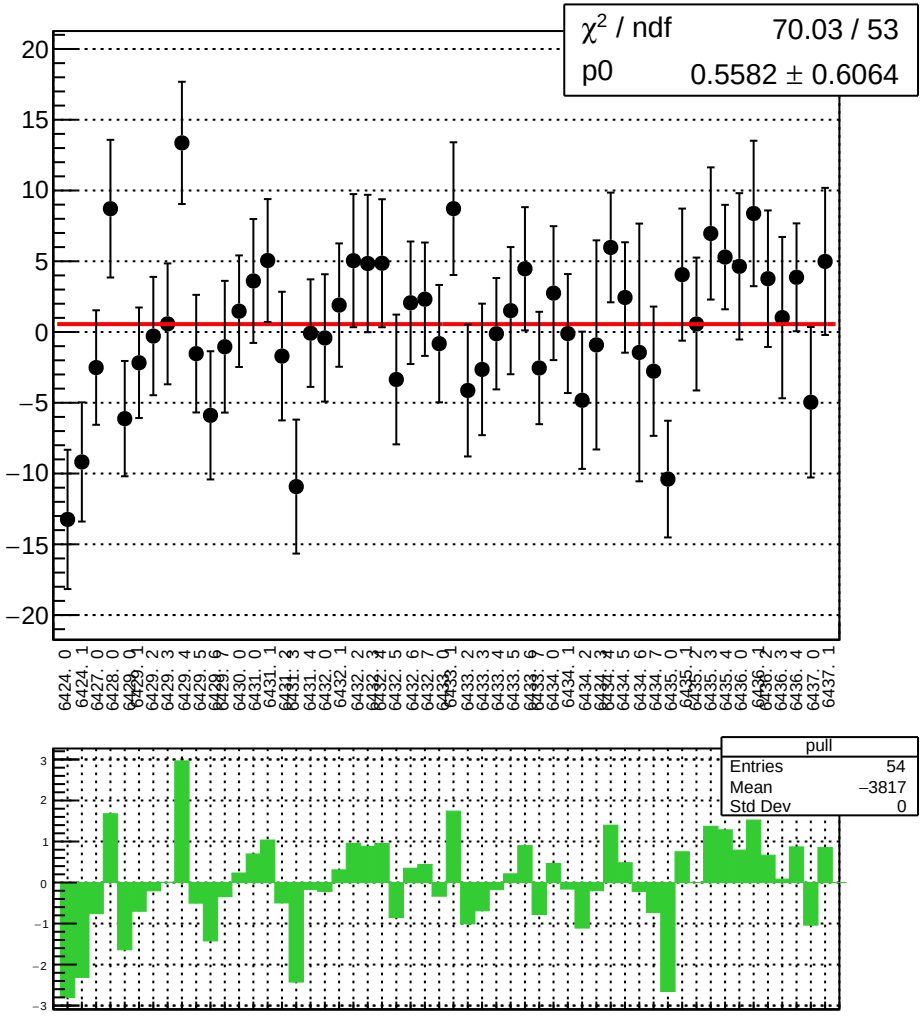

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.443e+04 / 53
p0 430.5 ± 0.4288
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

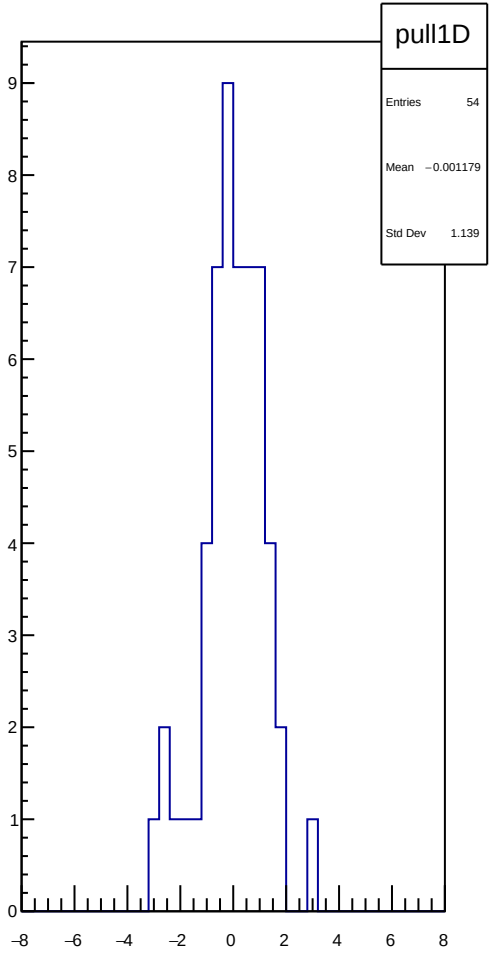

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 62.52 / 53
p0 2.07e−05 ± 3.447e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 54
Mean −53.17
Std Dev 0
2
1
0
−1
−2

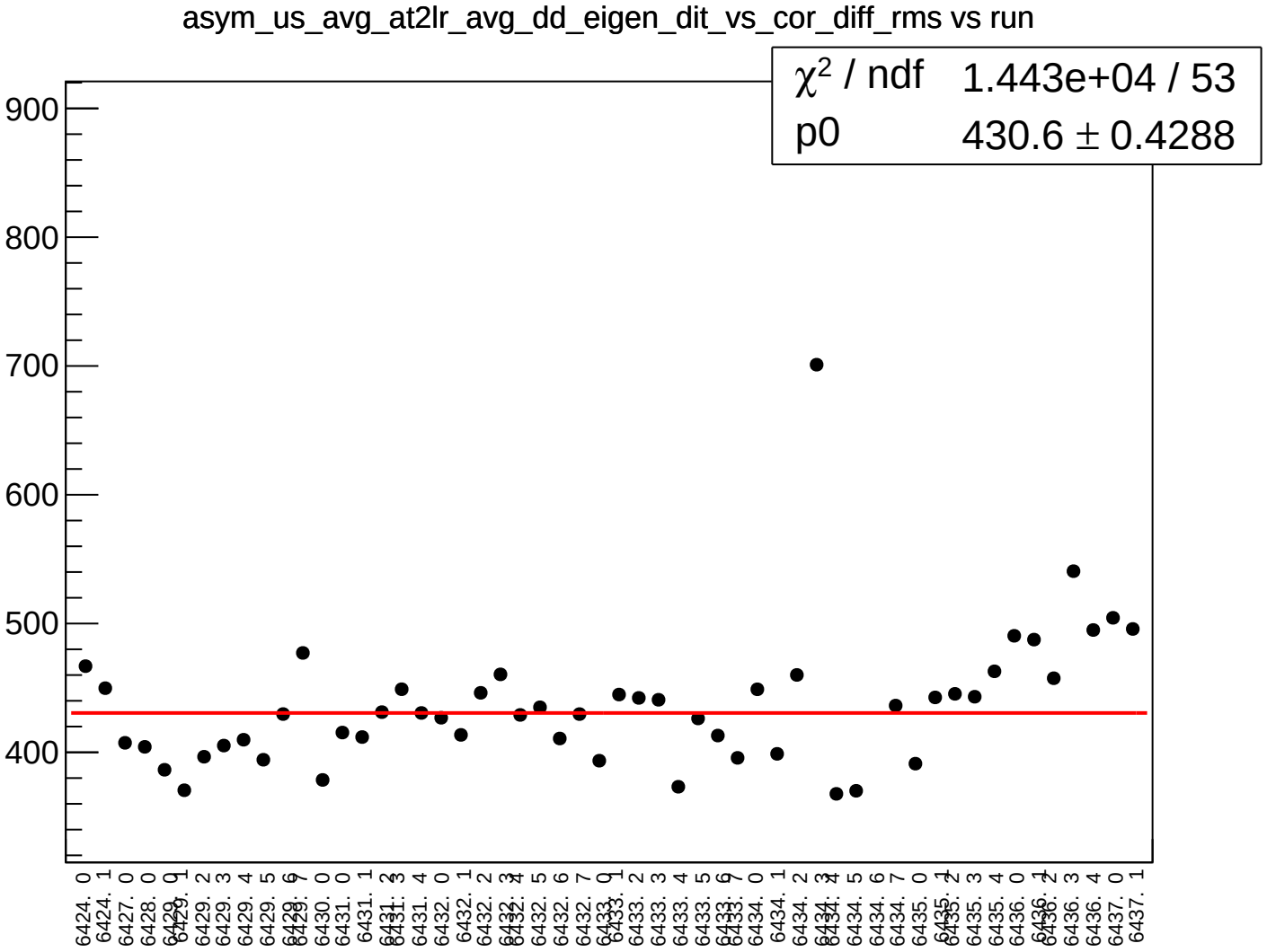

pull1D
Entries 54
Mean 0.008206
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

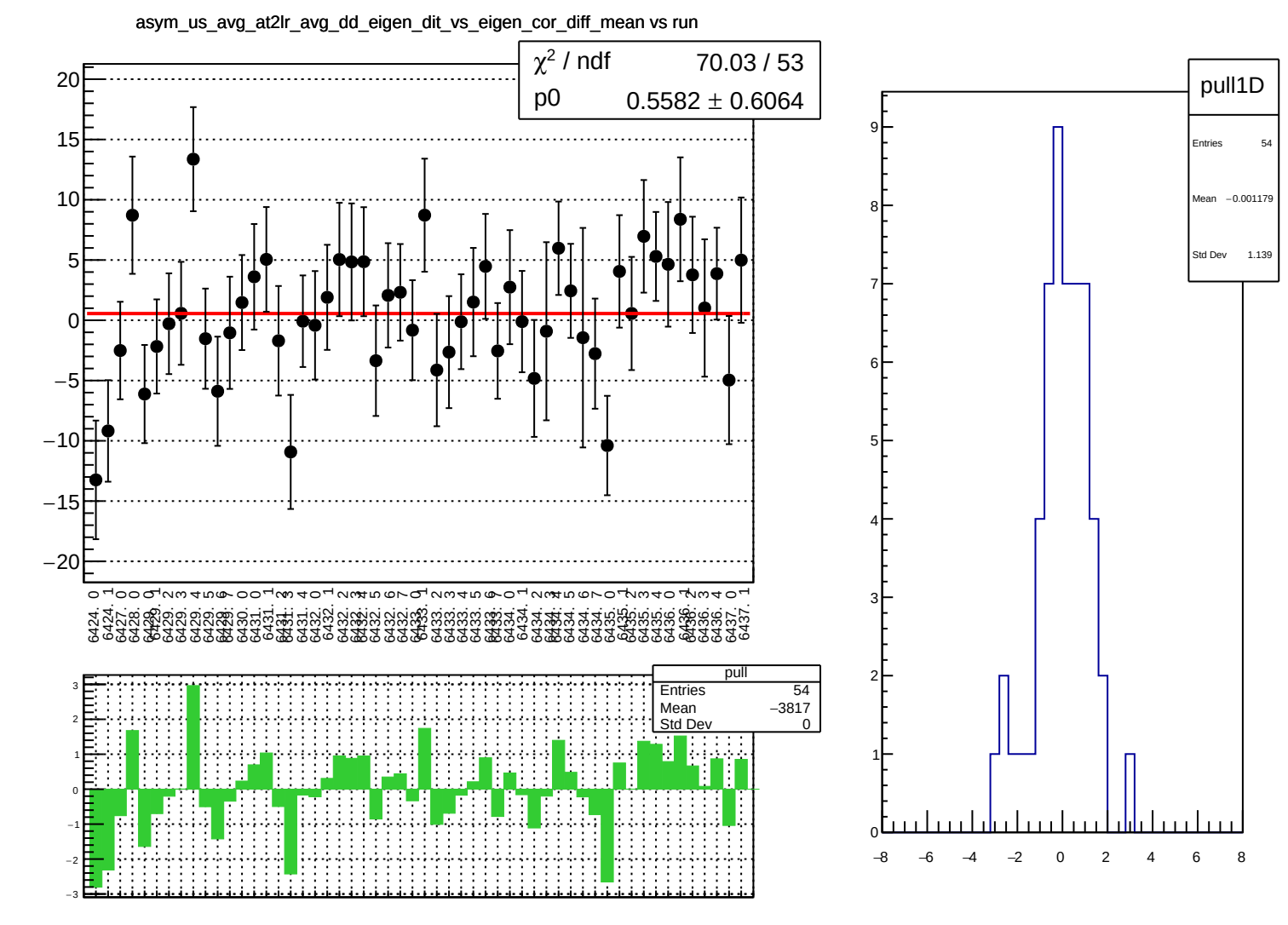

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2122 / 53
p0 0.02462 ± 2.437e−05
0.027
0.026
0.025
0.024
0.023
0.022
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

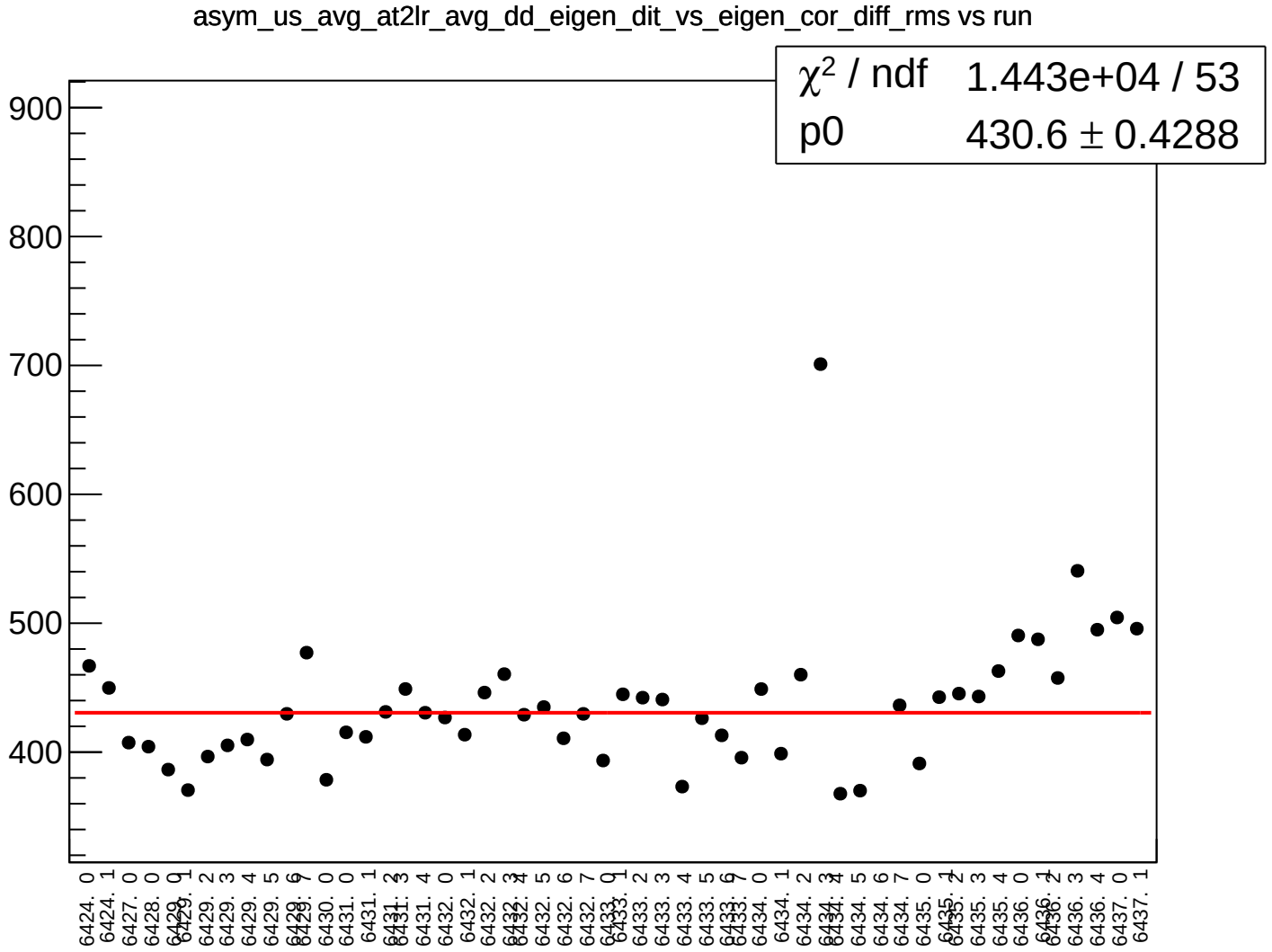
asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run

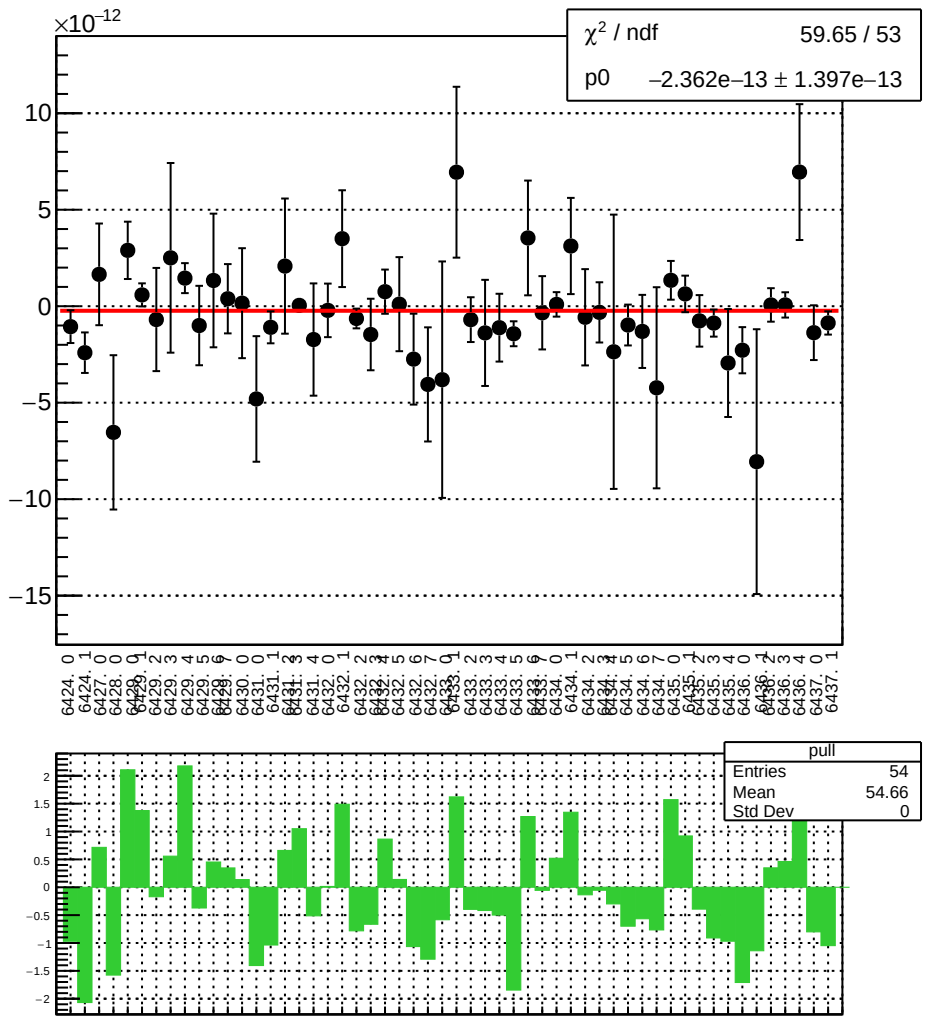


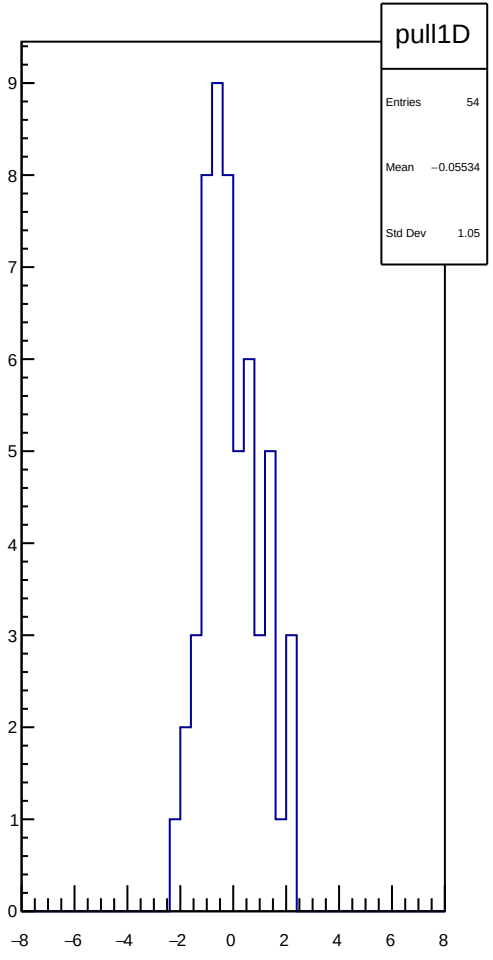


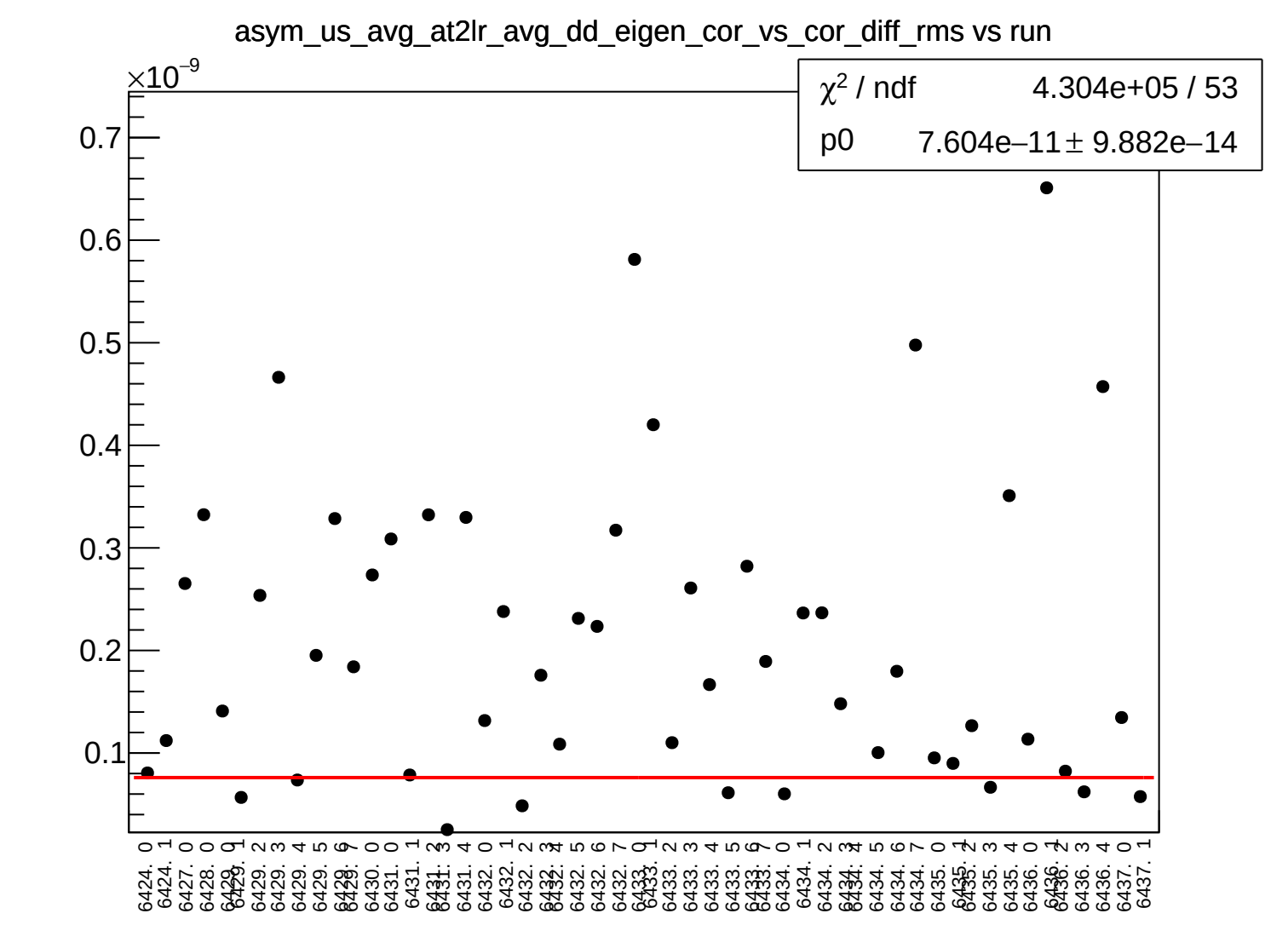

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.443e+04 / 53
p0 430.6 ± 0.4288
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

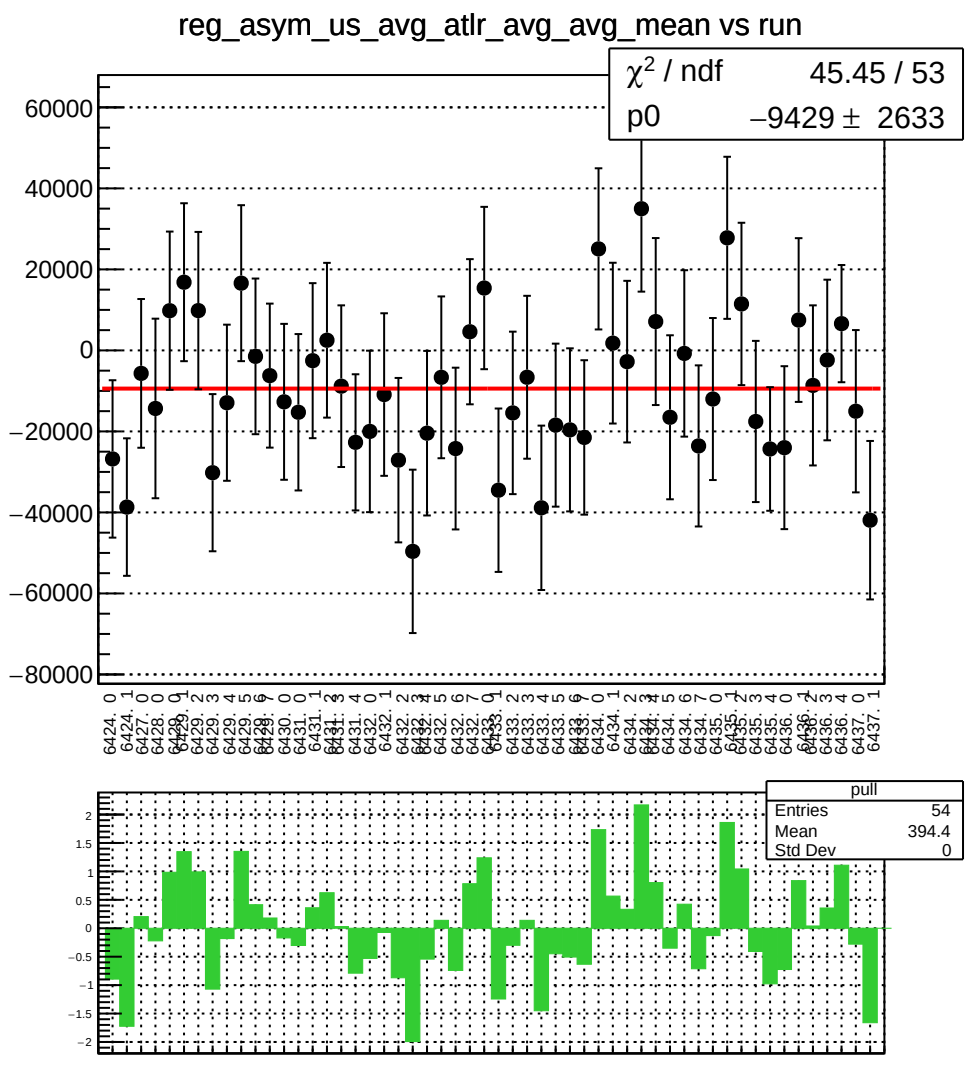

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.03 / 53
p0 0.5582 ± 0.6064
pull
Entries 54
Mean −3817
Std Dev 0
pull1D
Entries 54
Mean −0.001179
Std Dev 1.139

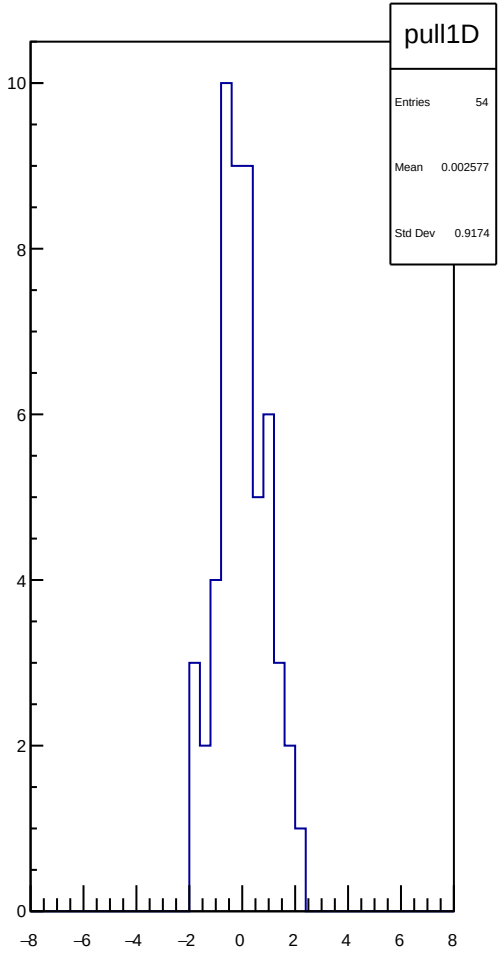

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.443e+04 / 53
p0 430.6 ± 0.4288
900
800
700
600
500
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

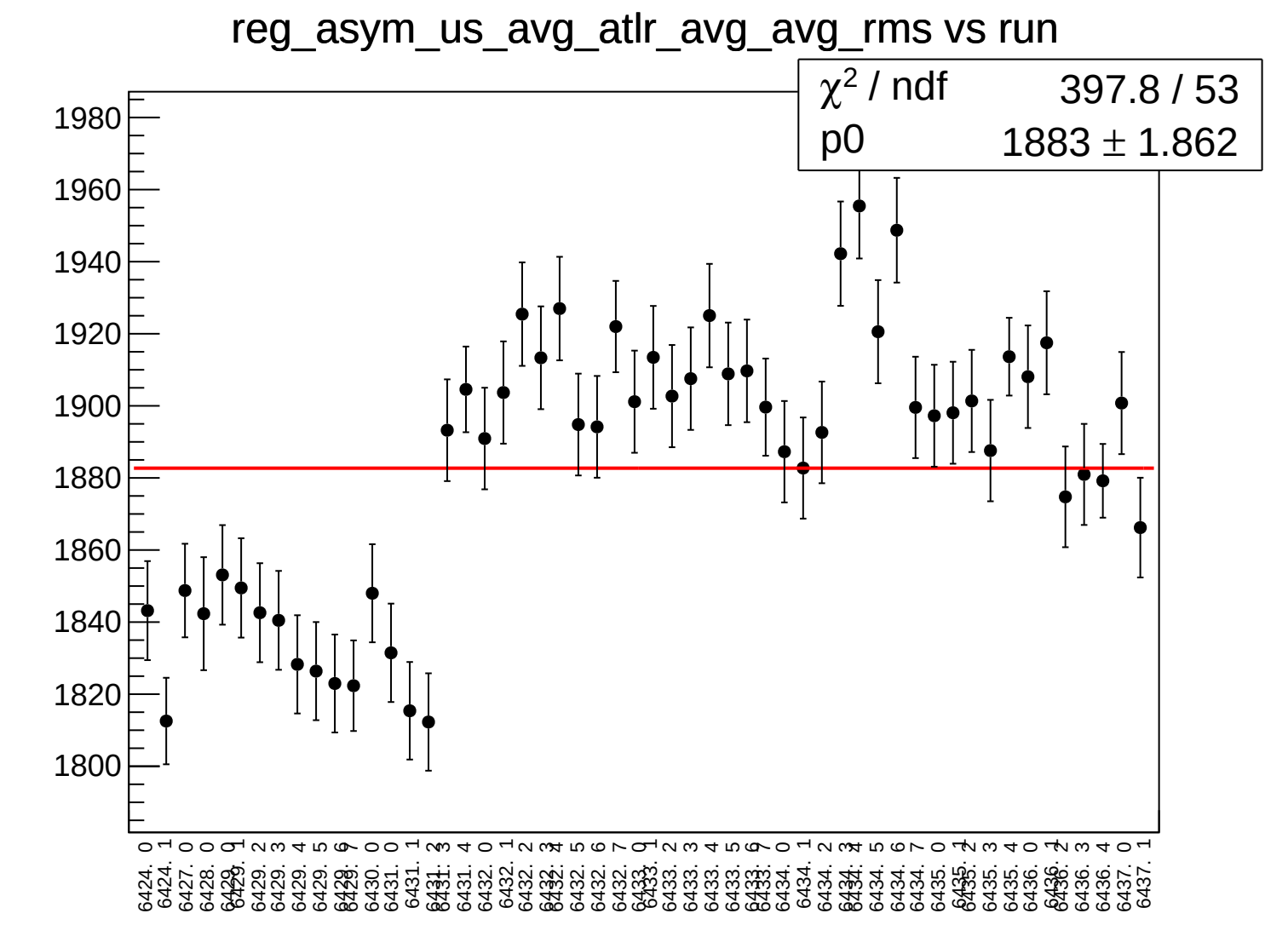

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.65 / 53
p0 −2.362e−13 ± 1.397e−13
pull
Entries 54
Mean 54.66
Std Dev 0

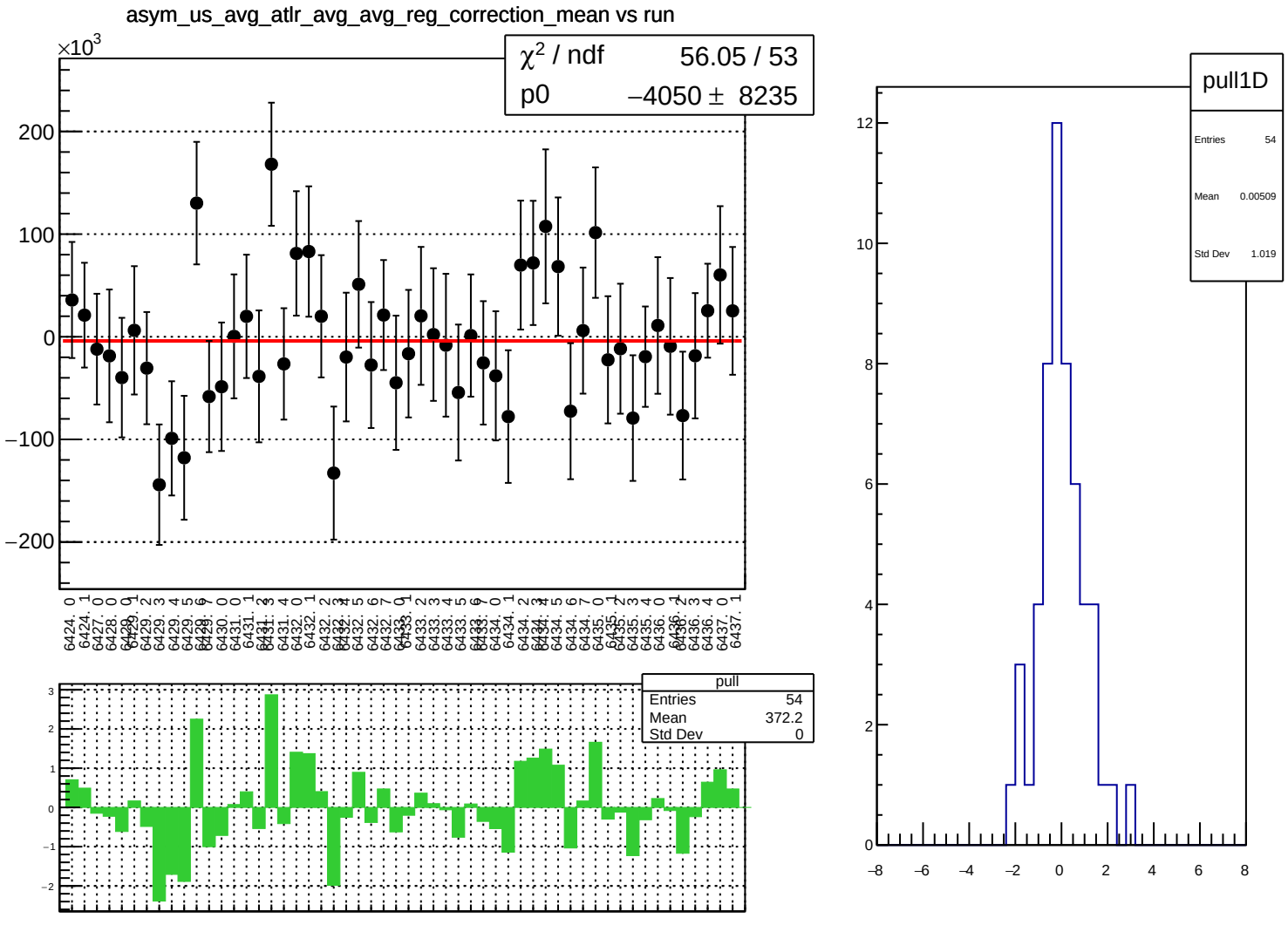

pull1D
Entries 54
Mean −0.05534
Std Dev 1.05

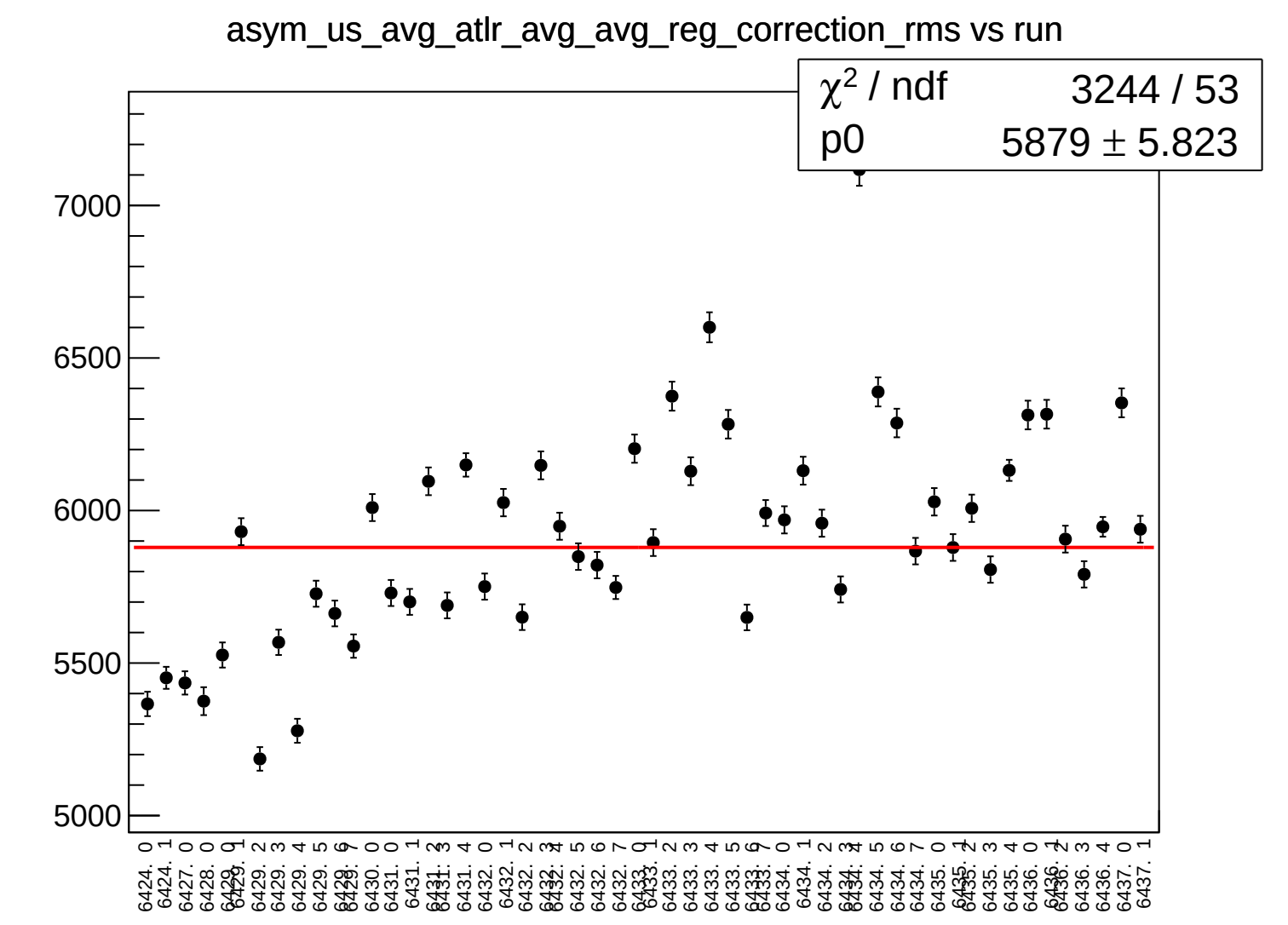

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.304e+05 / 53
p0 7.604e−11 ± 9.882e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

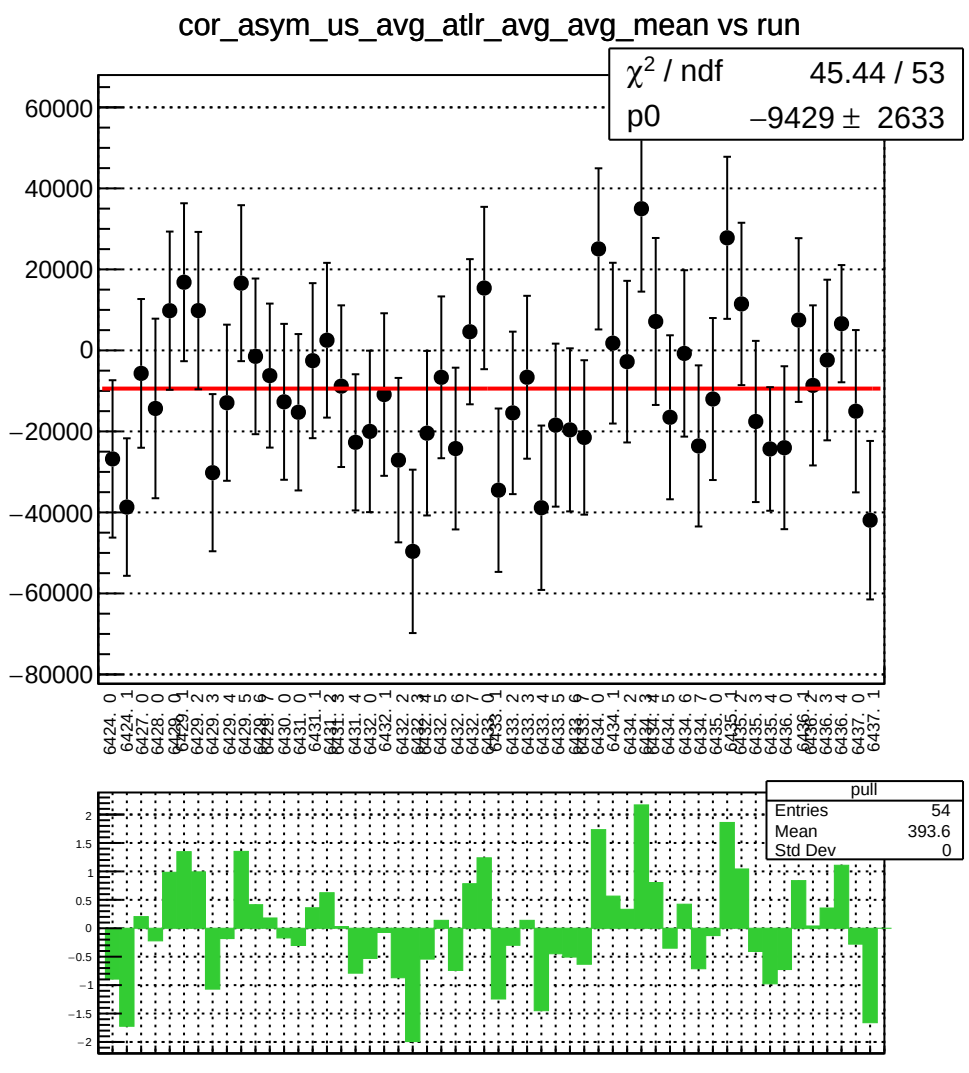

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 45.45 / 53
p0 −9429 ± 2633
pull
Entries 54
Mean 394.4
Std Dev 0

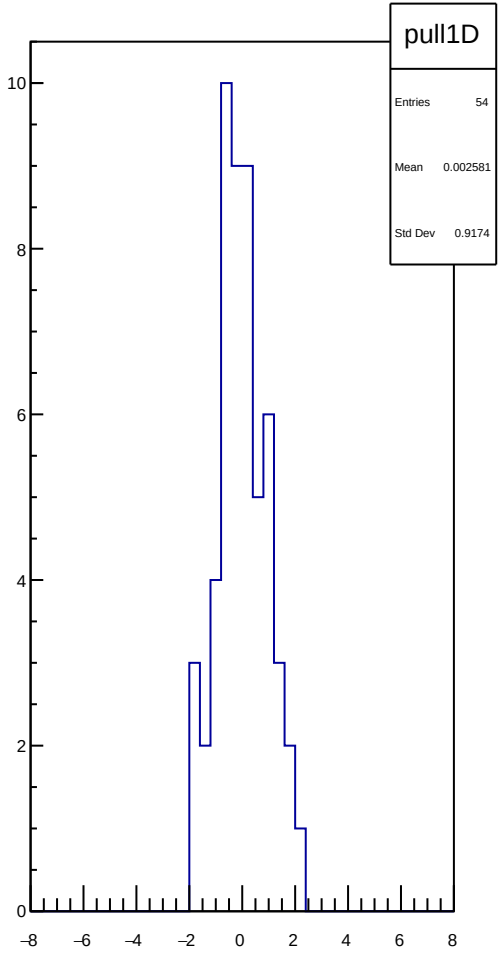

pull1D
Entries 54
Mean 0.002577
Std Dev 0.9174

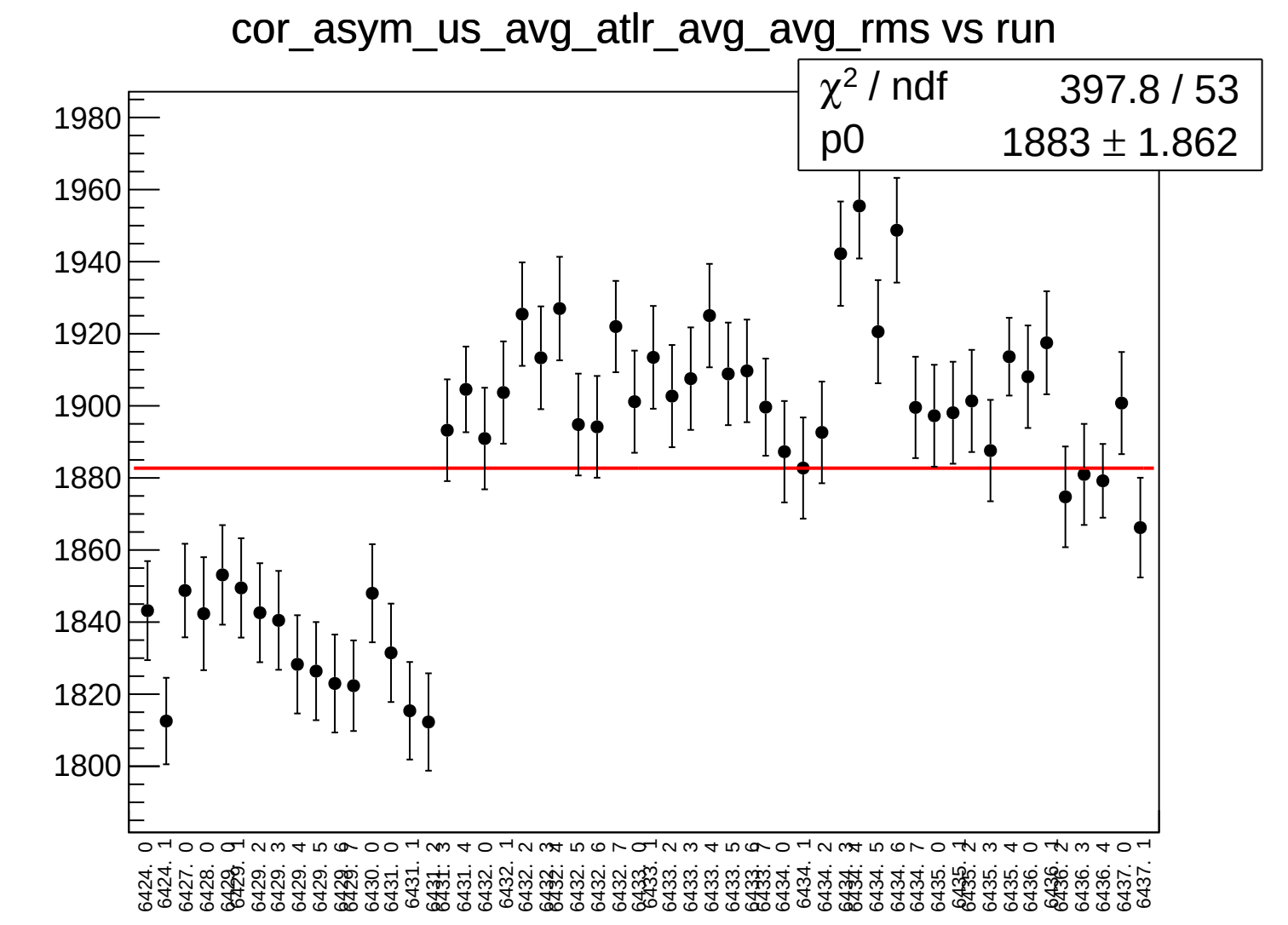

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 397.8 / 53
p0 1883 ± 1.862
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

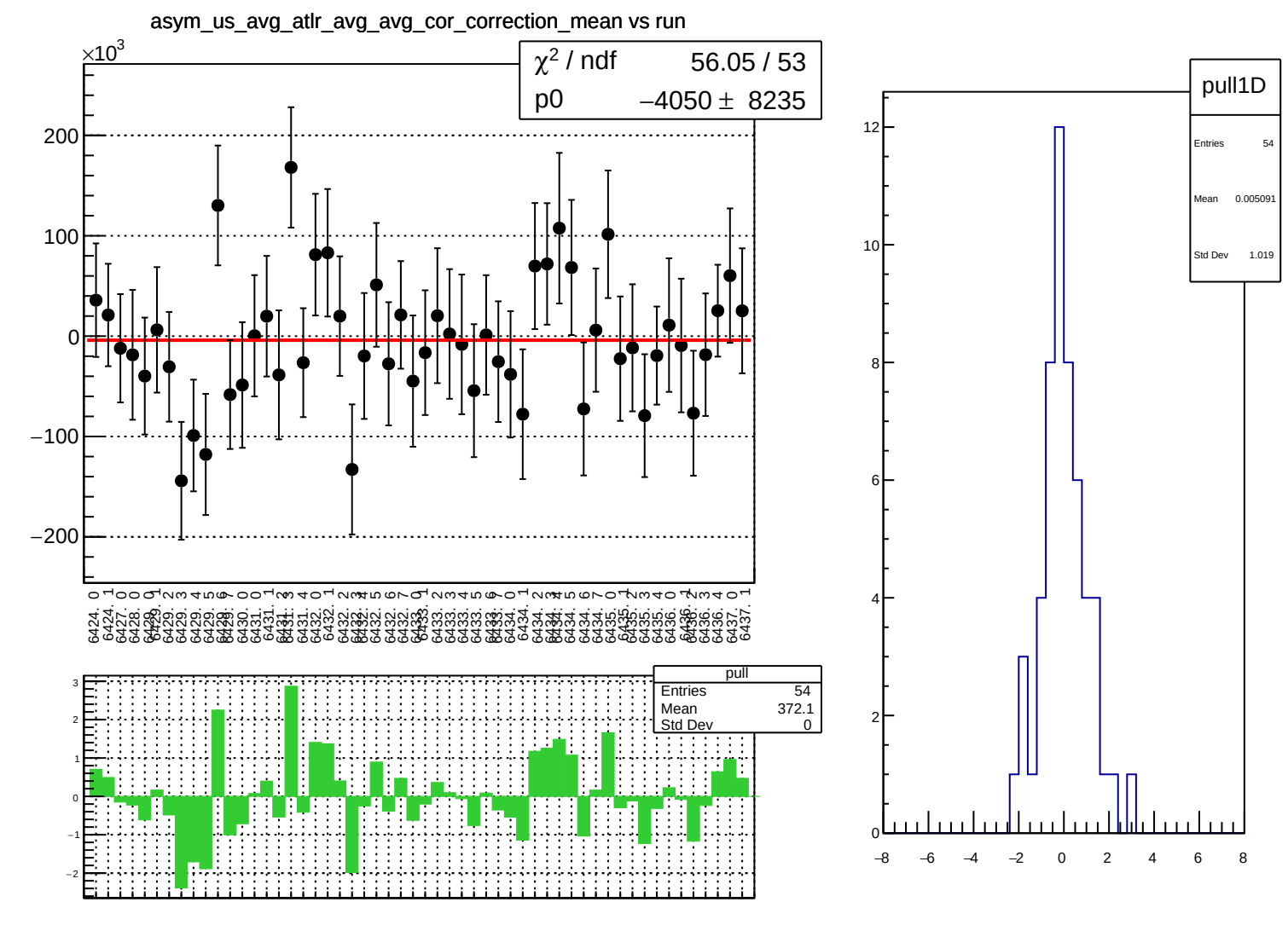

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.05 / 53
p0 −4050 ± 8235
200
100
0
−100
−200
pull
Entries 54
Mean 372.2
Std Dev 0
pull1D
Entries 54
Mean 0.00509
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

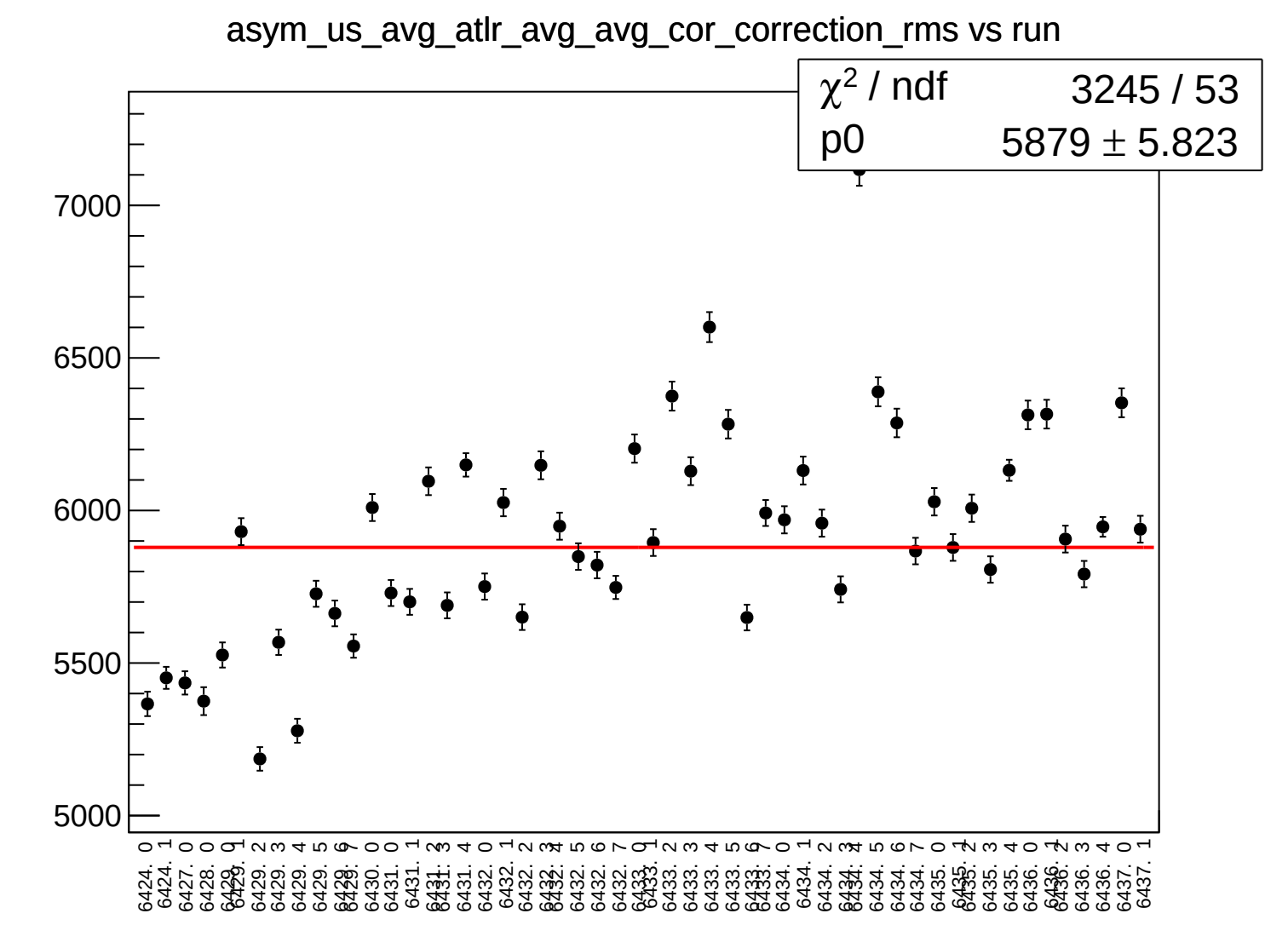

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 3244 / 53
p0 5879 ± 5.823
7000
6500
6000
5500
5000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

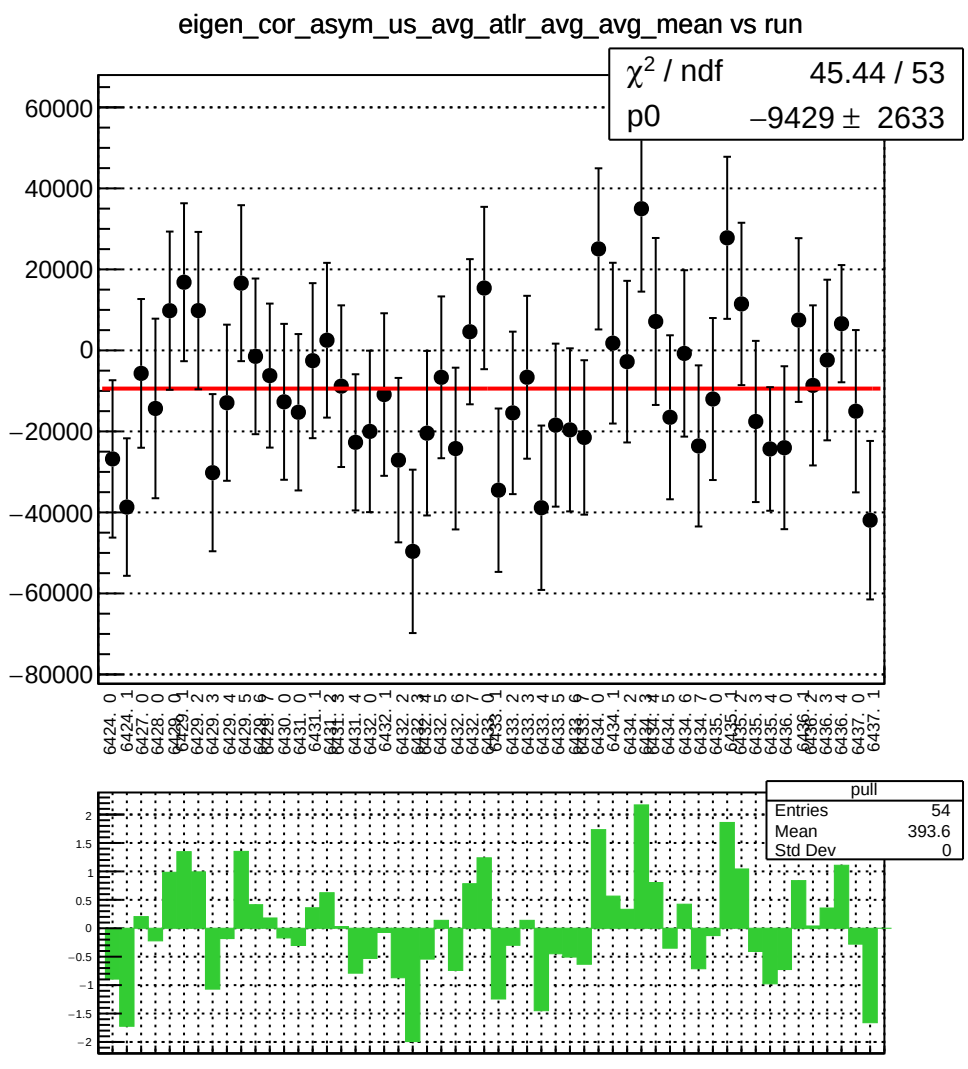

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 45.44 / 53
p0 −9429 ± 2633
pull
Entries 54
Mean 393.6
Std Dev 0

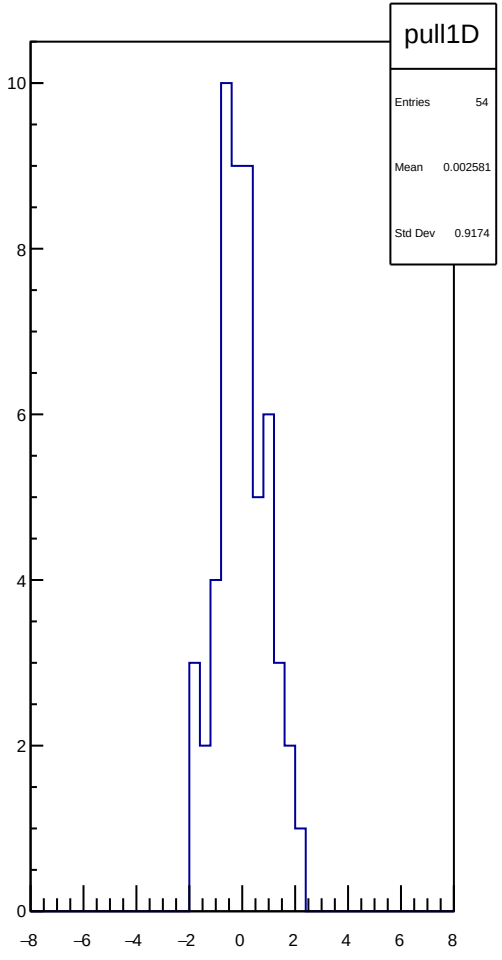

pull1D
Entries 54
Mean 0.002581
Std Dev 0.9174

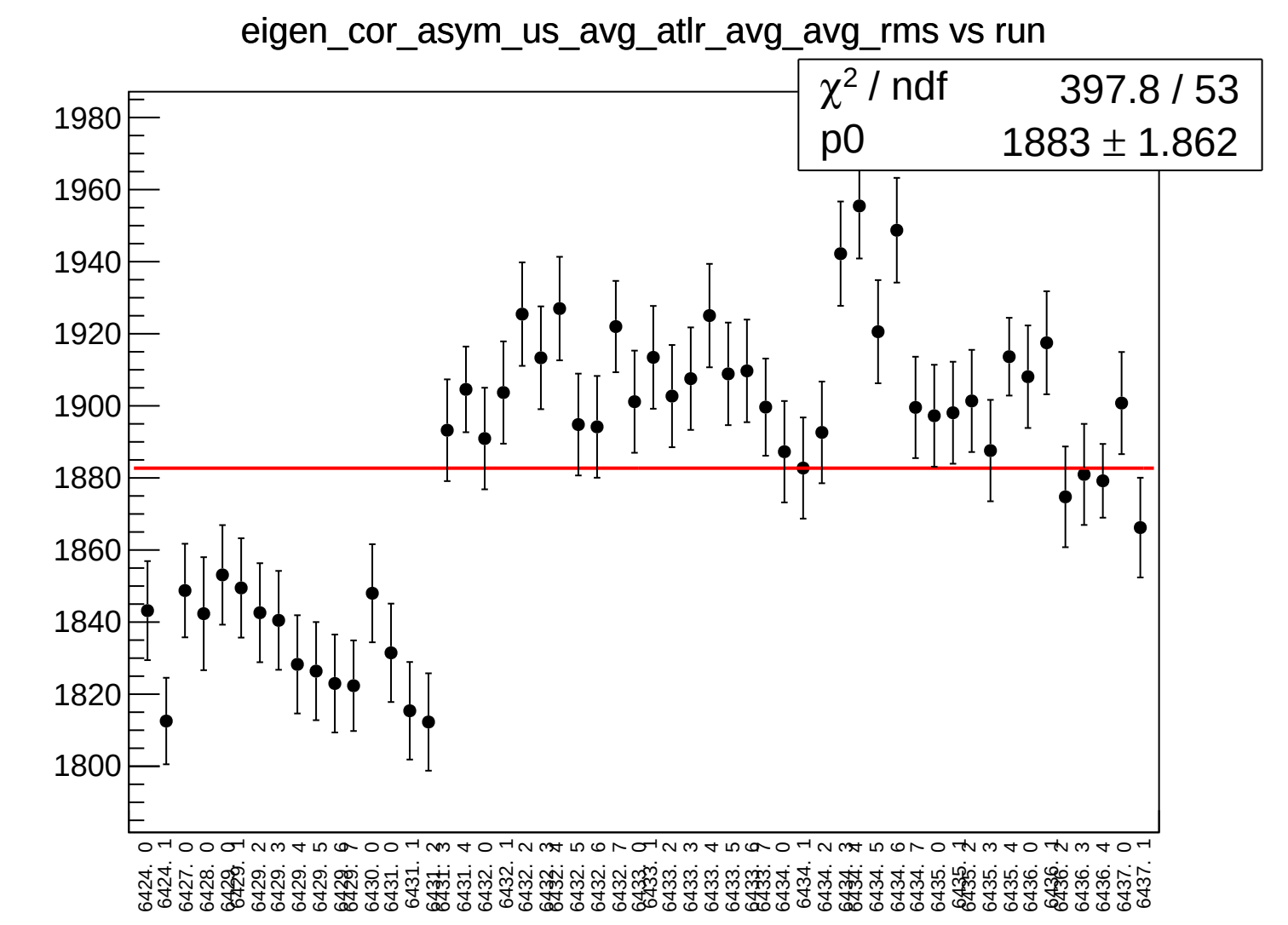

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 397.8 / 53
p0 1883 ± 1.862
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

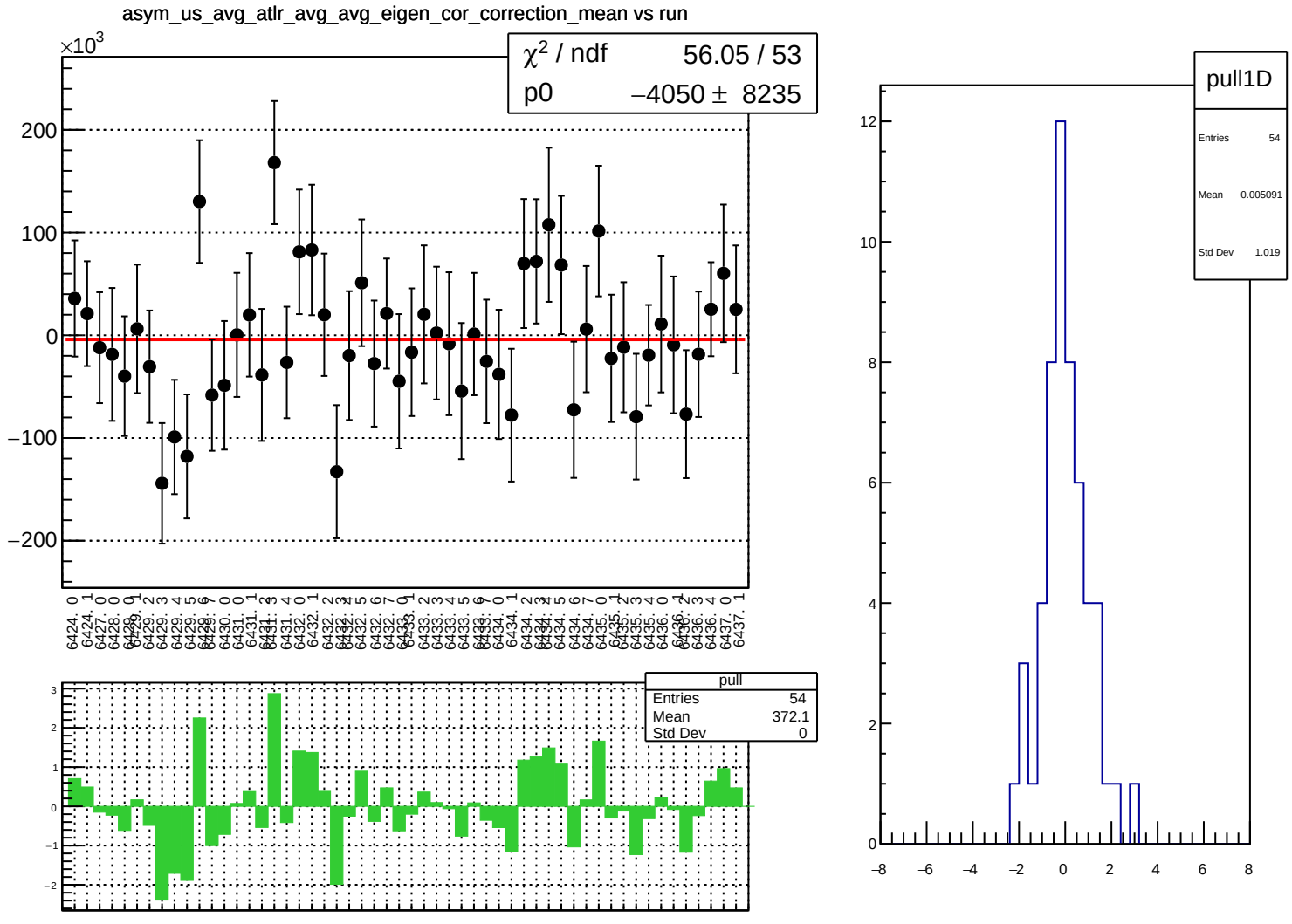

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.05 / 53
p0 −4050 ± 8235
200
100
0
−100
−200
pull
Entries 54
Mean 372.1
Std Dev 0
pull1D
Entries 54
Mean 0.005091
Std Dev 1.019

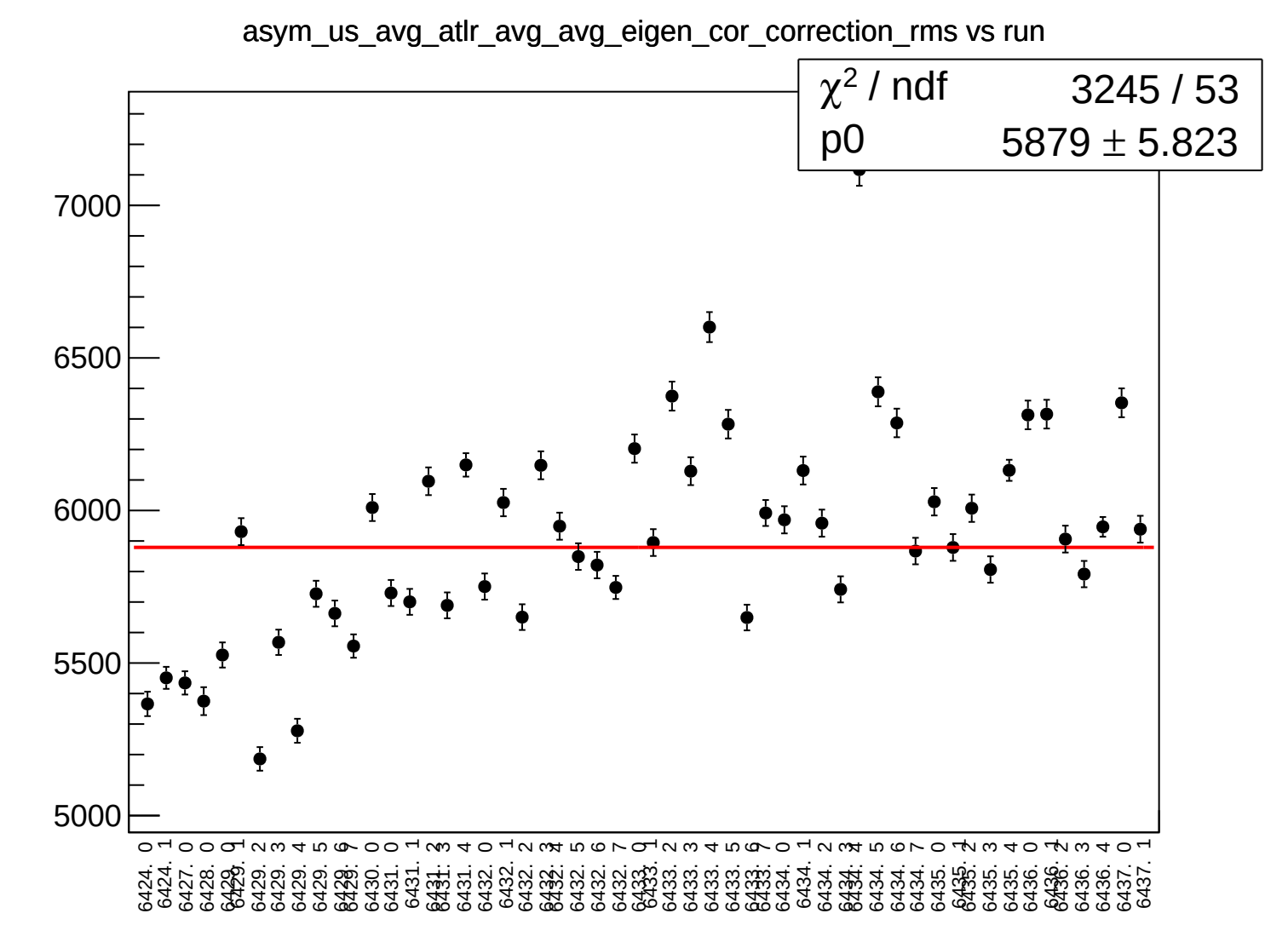

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 3245 / 53
p0 5879 ± 5.823
7000
6500
6000
5500
5000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

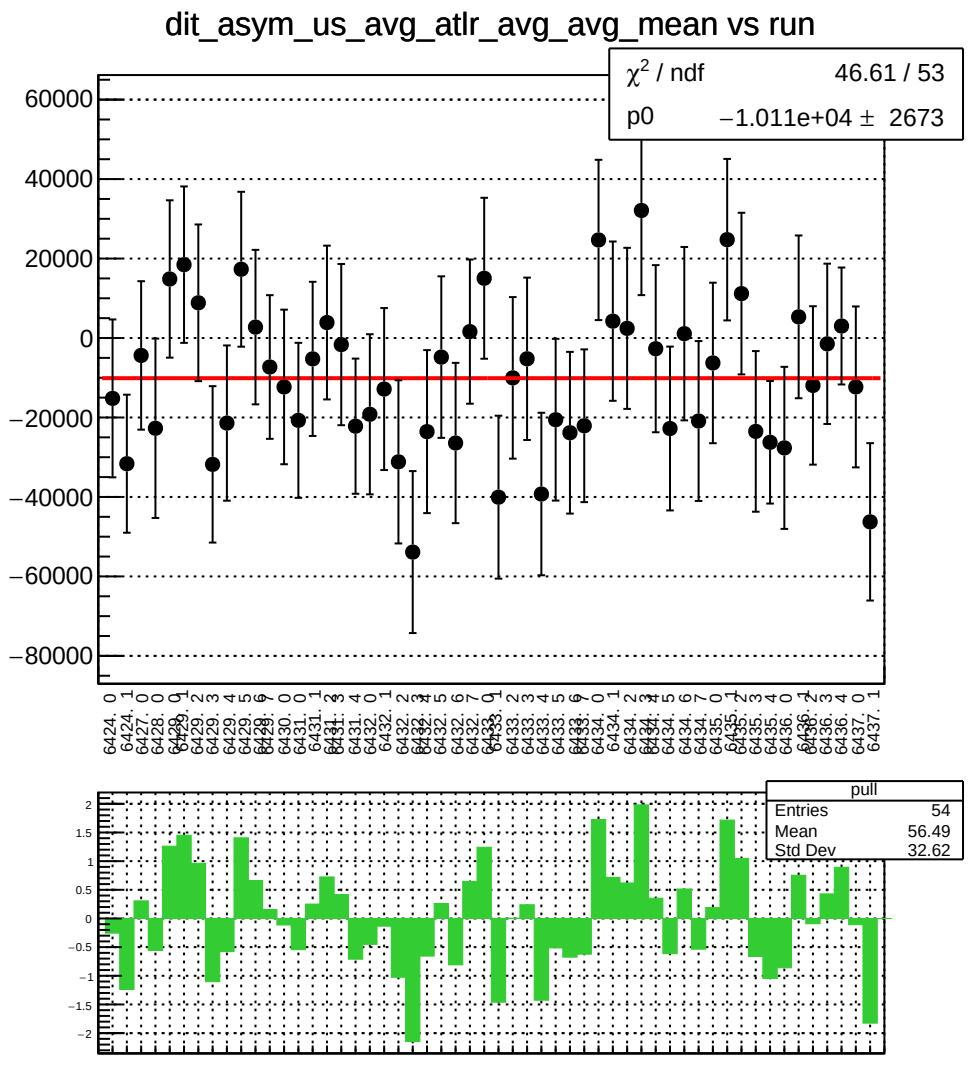

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 45.44 / 53
p0 −9429 ± 2633
pull
Entries 54
Mean 393.6
Std Dev 0

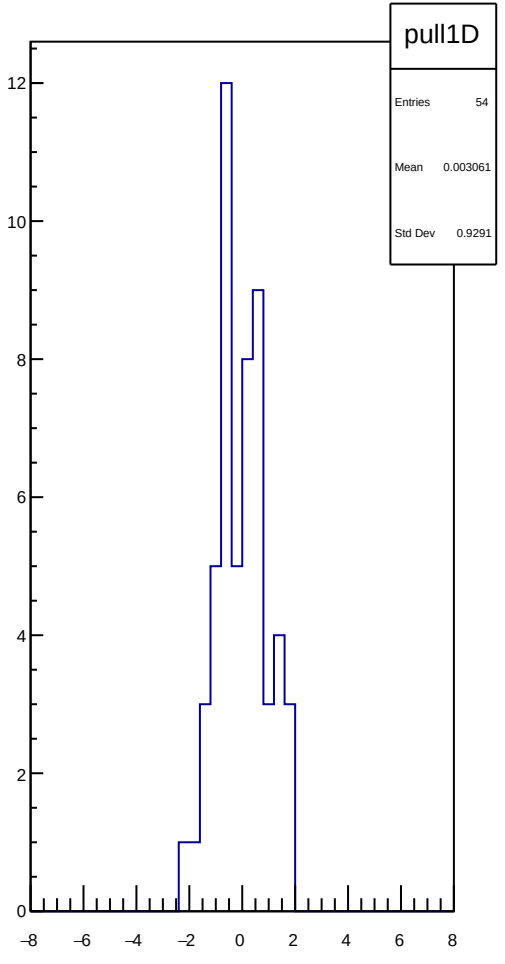

pull1D
Entries 54
Mean 0.002581
Std Dev 0.9174

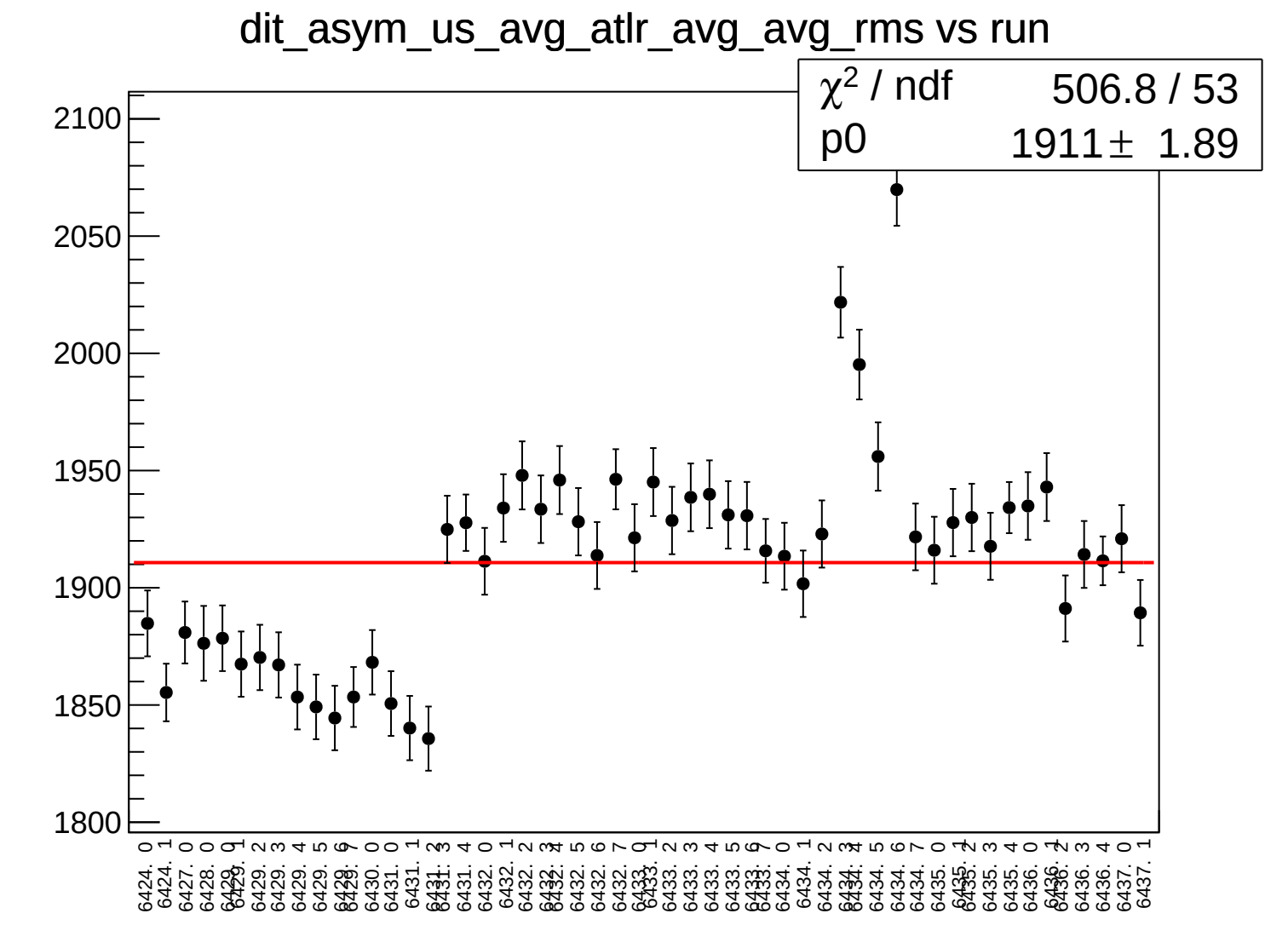

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 397.8 / 53
p0 1883 ± 1.862
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

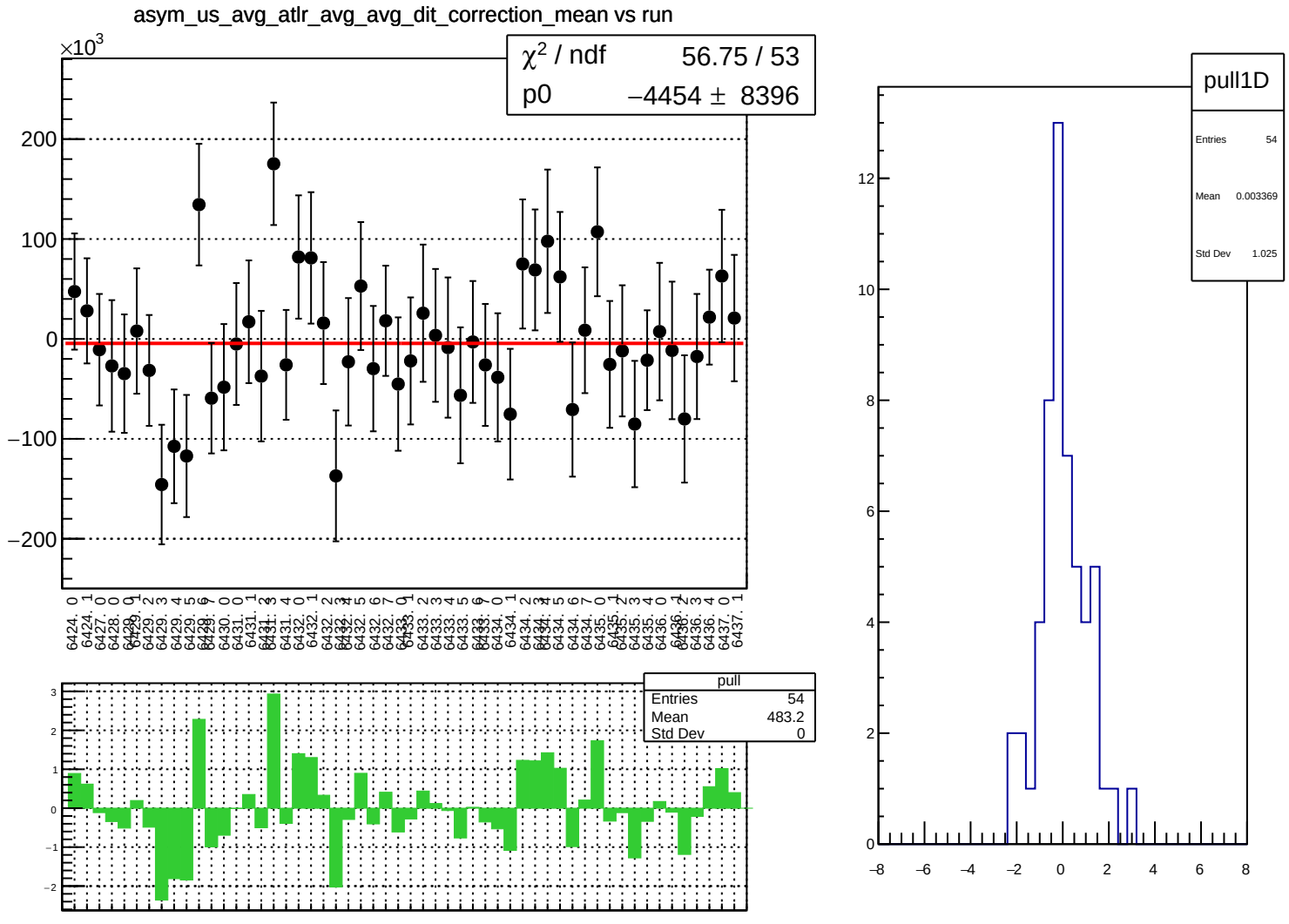

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.05 / 53
p0 −4050 ± 8235
200
100
0
−100
−200
pull
Entries 54
Mean 372.1
Std Dev 0
pull1D
Entries 54
Mean 0.005091
Std Dev 1.019

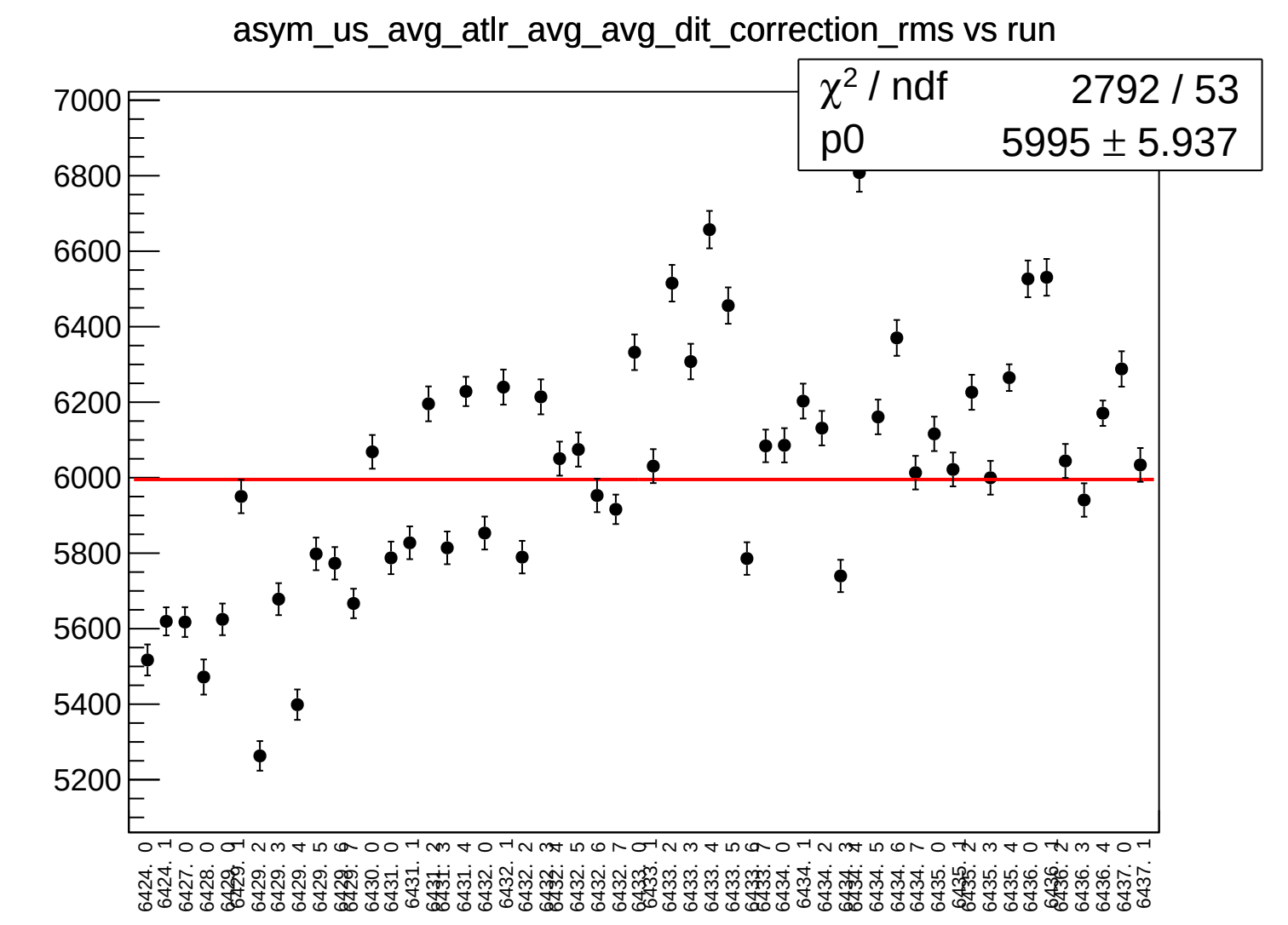

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3245 / 53
p0 5879 ± 5.823
7000
6500
6000
5500
5000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

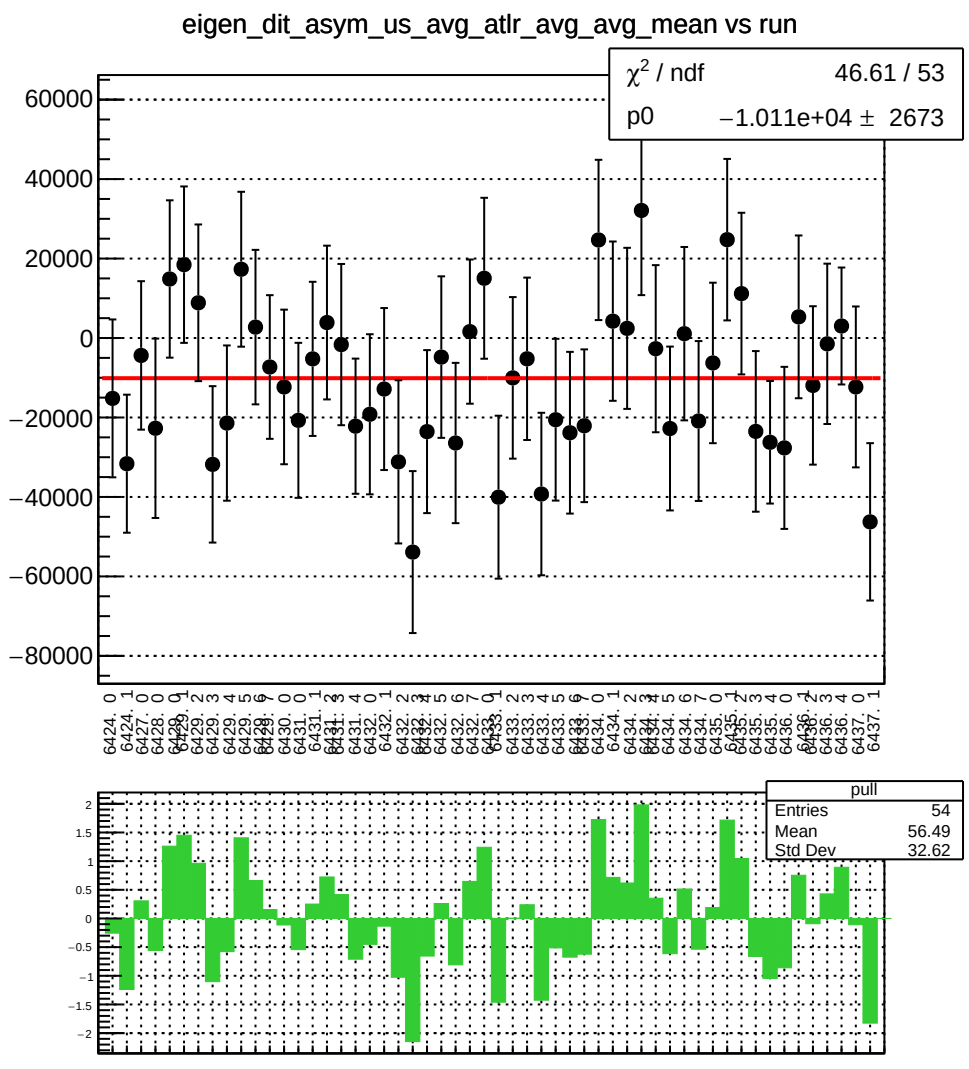

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.61 / 53
p0 −1.011e+04 ± 2673
pull
Entries 54
Mean 56.49
Std Dev 32.62

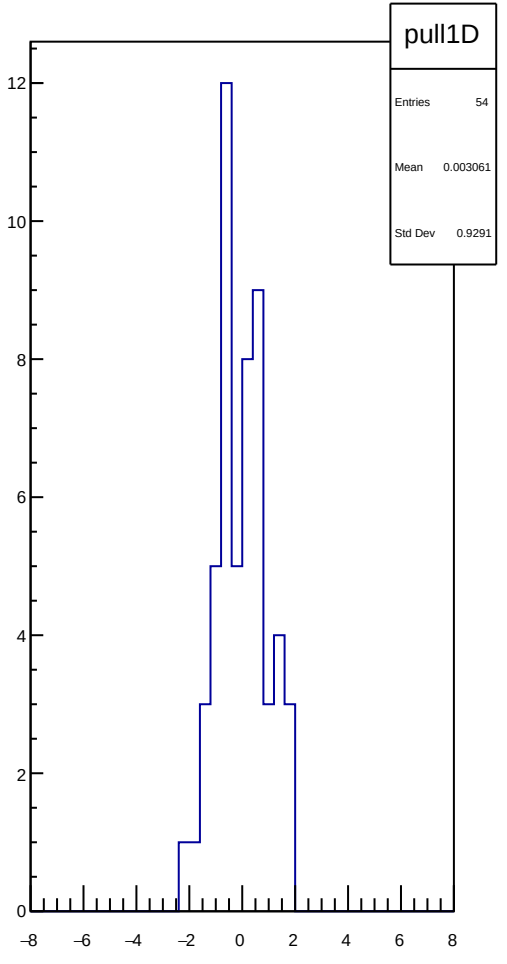

pull1D
Entries 54
Mean 0.003061
Std Dev 0.9291

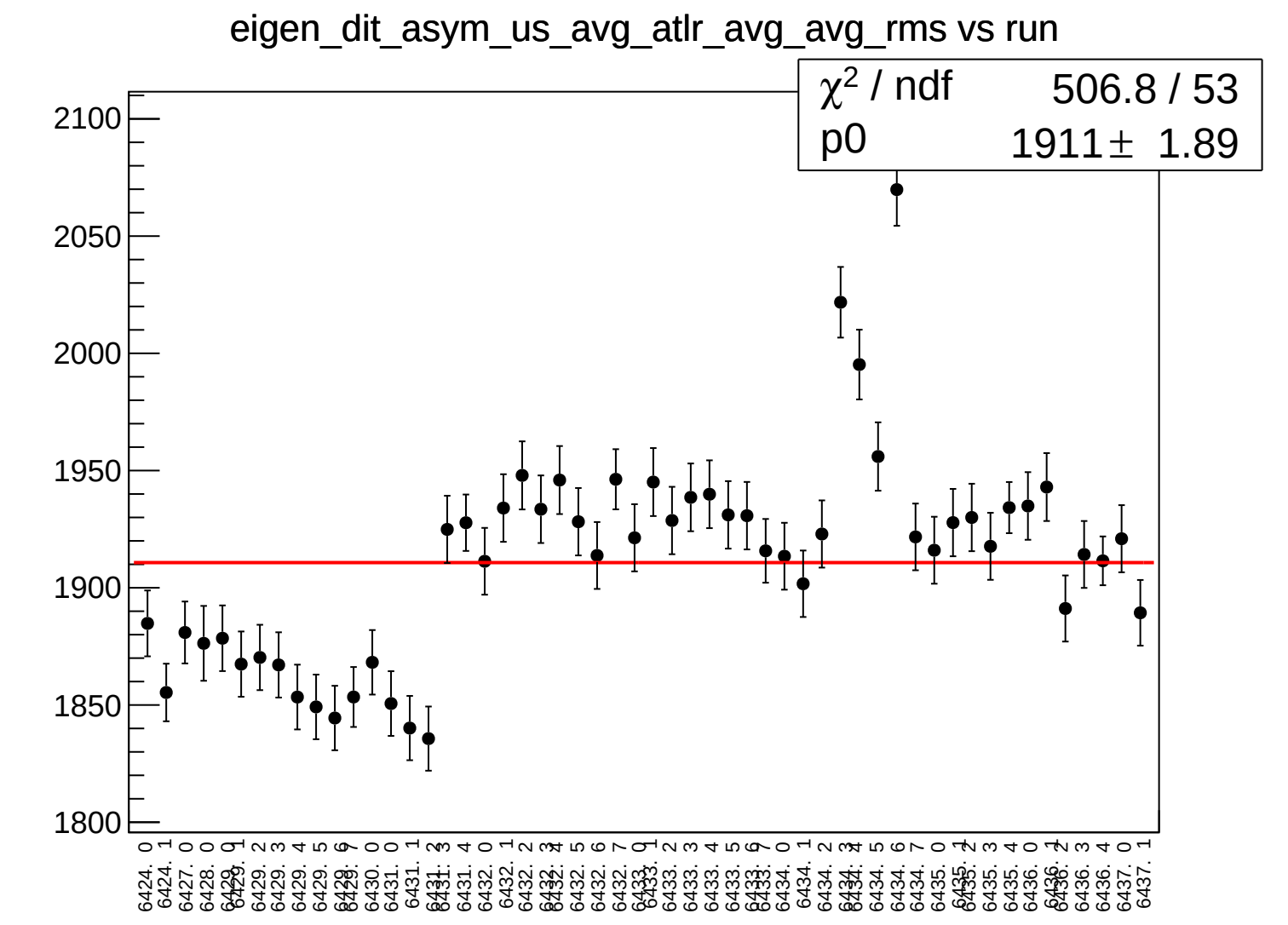

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 506.8 / 53
p0 1911 ± 1.89
2100
2050
2000
1950
1900
1850
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

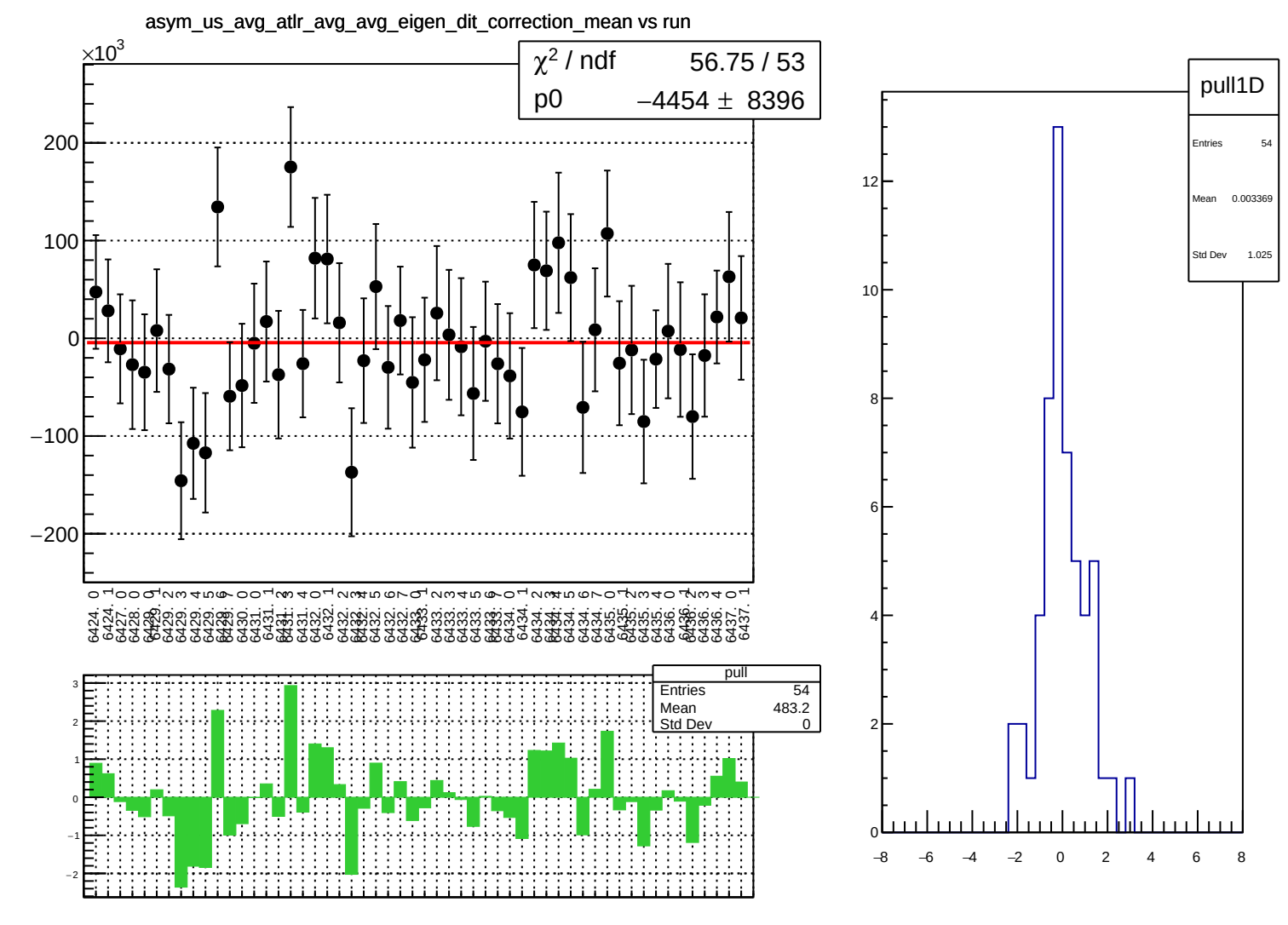

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.75 / 53
p0 −4454 ± 8396
200
100
0
−100
−200
pull
Entries 54
Mean 483.2
Std Dev 0
pull1D
Entries 54
Mean 0.003369
Std Dev 1.025

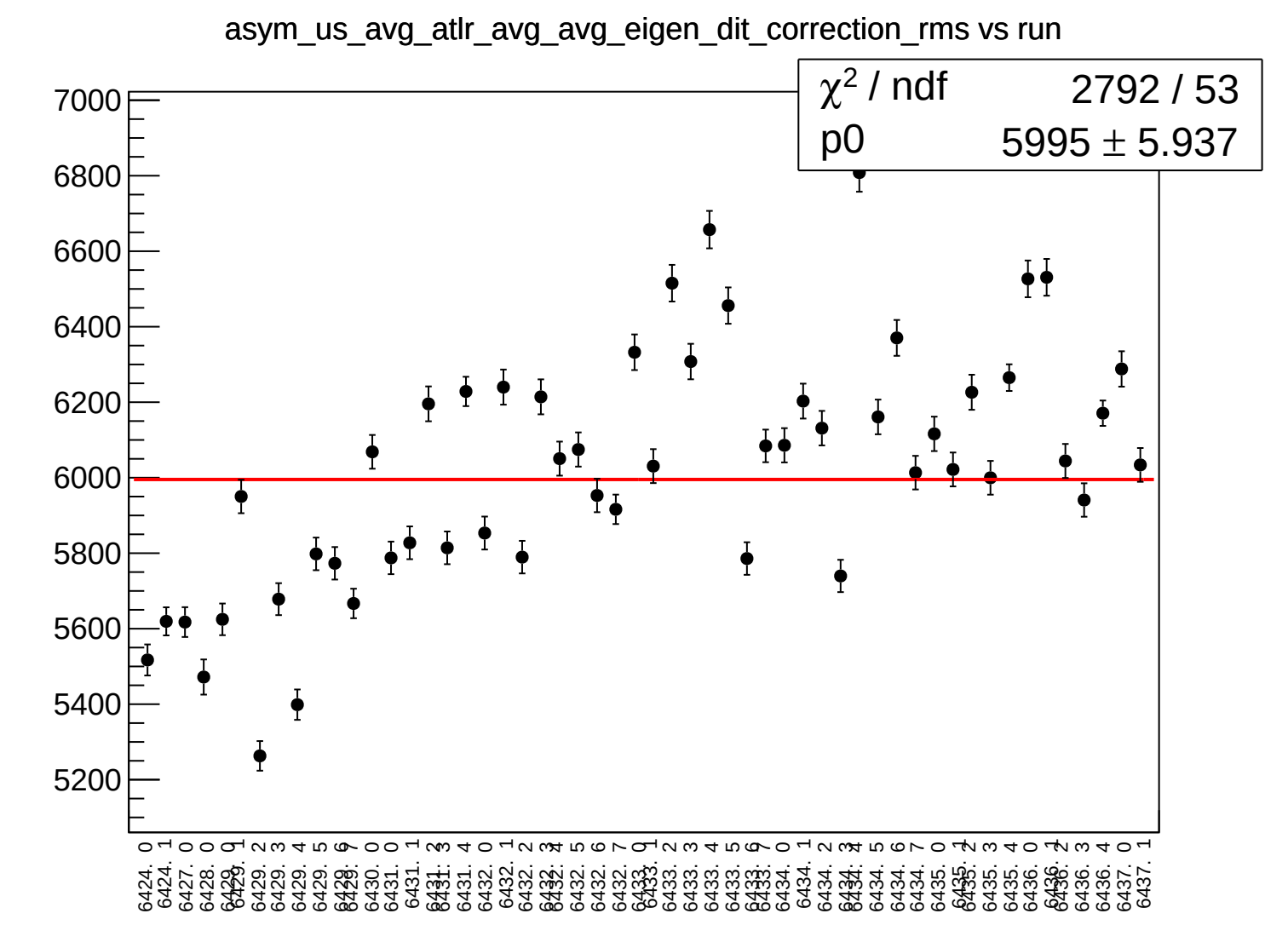

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2792 / 53
p0 5995 ± 5.937
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

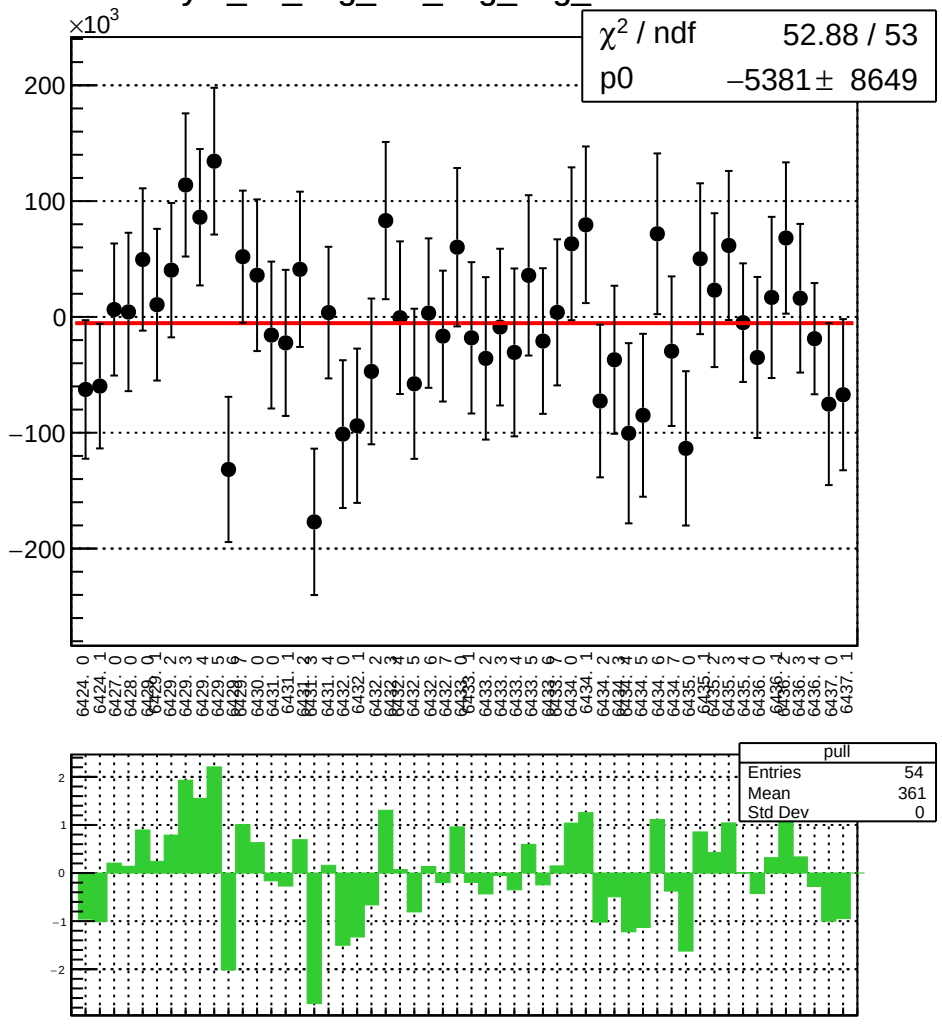

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.61 / 53
p0 −1.011e+04 ± 2673
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 56.49
Std Dev 32.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

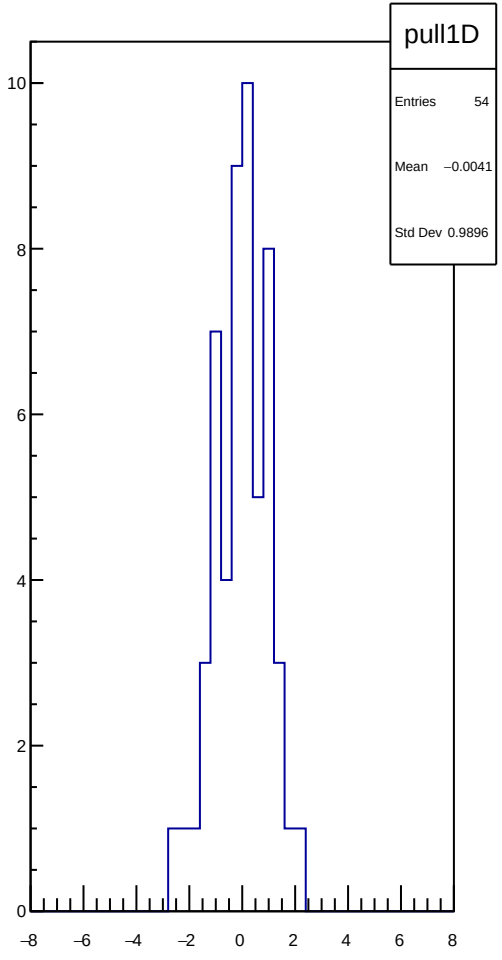

pull1D
Entries 54
Mean 0.003061
Std Dev 0.9291
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

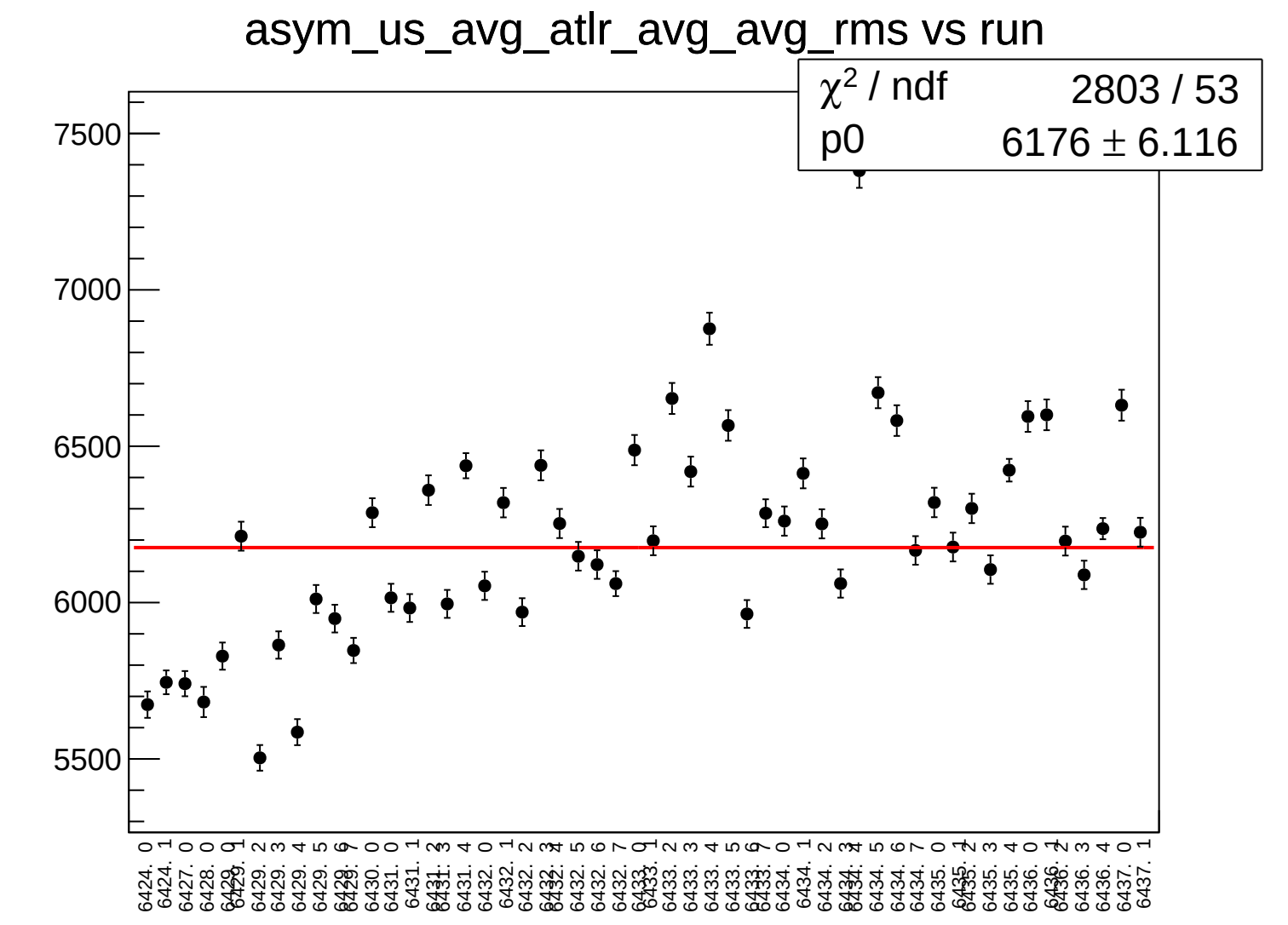

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 506.8 / 53
p0 1911 ± 1.89
2100
2050
2000
1950
1900
1850
1800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

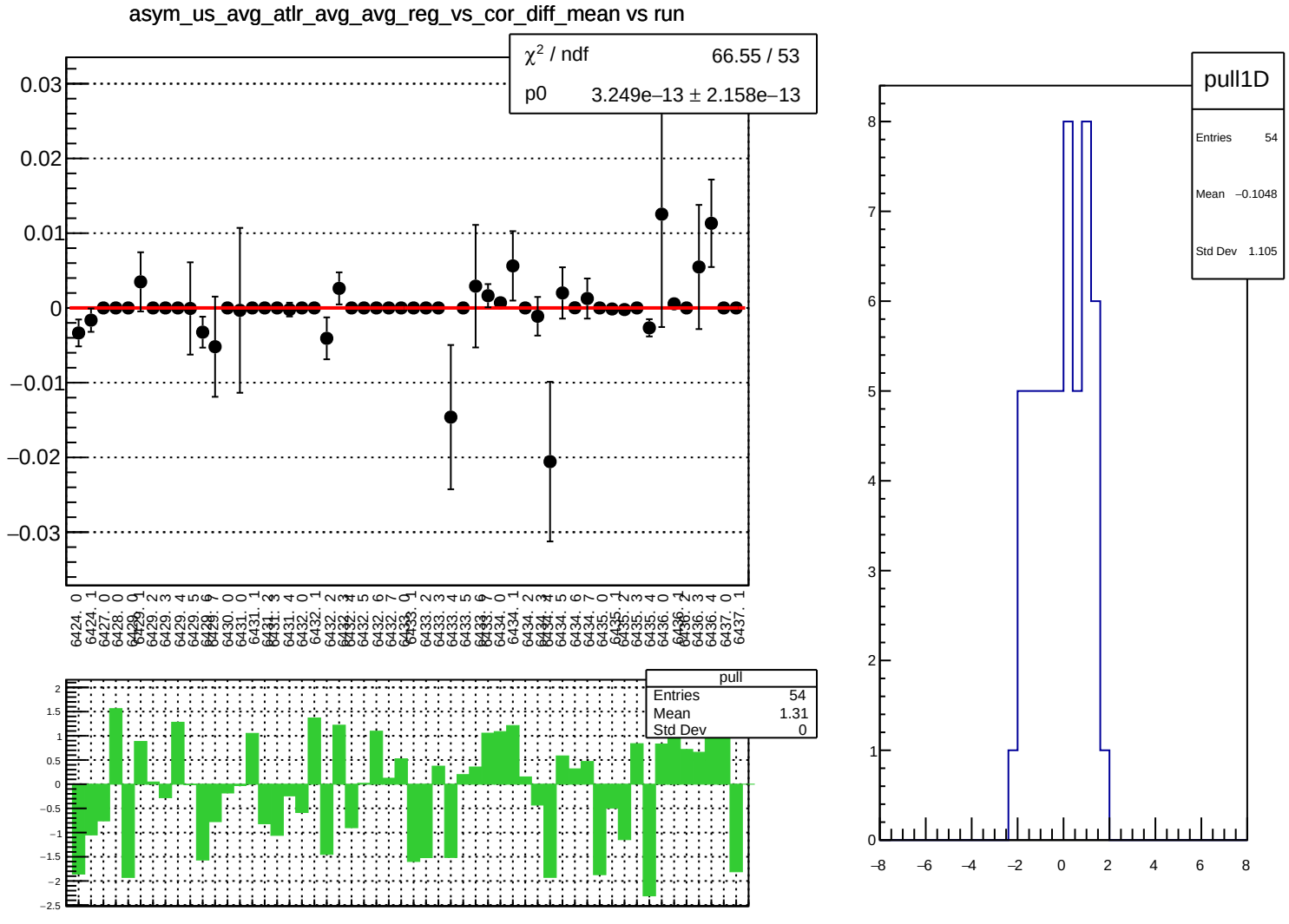

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 56.75 / 53
p0 −4454 ± 8396
200
100
0
−100
−200
pull
Entries 54
Mean 483.2
Std Dev 0
pull1D
Entries 54
Mean 0.003369
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

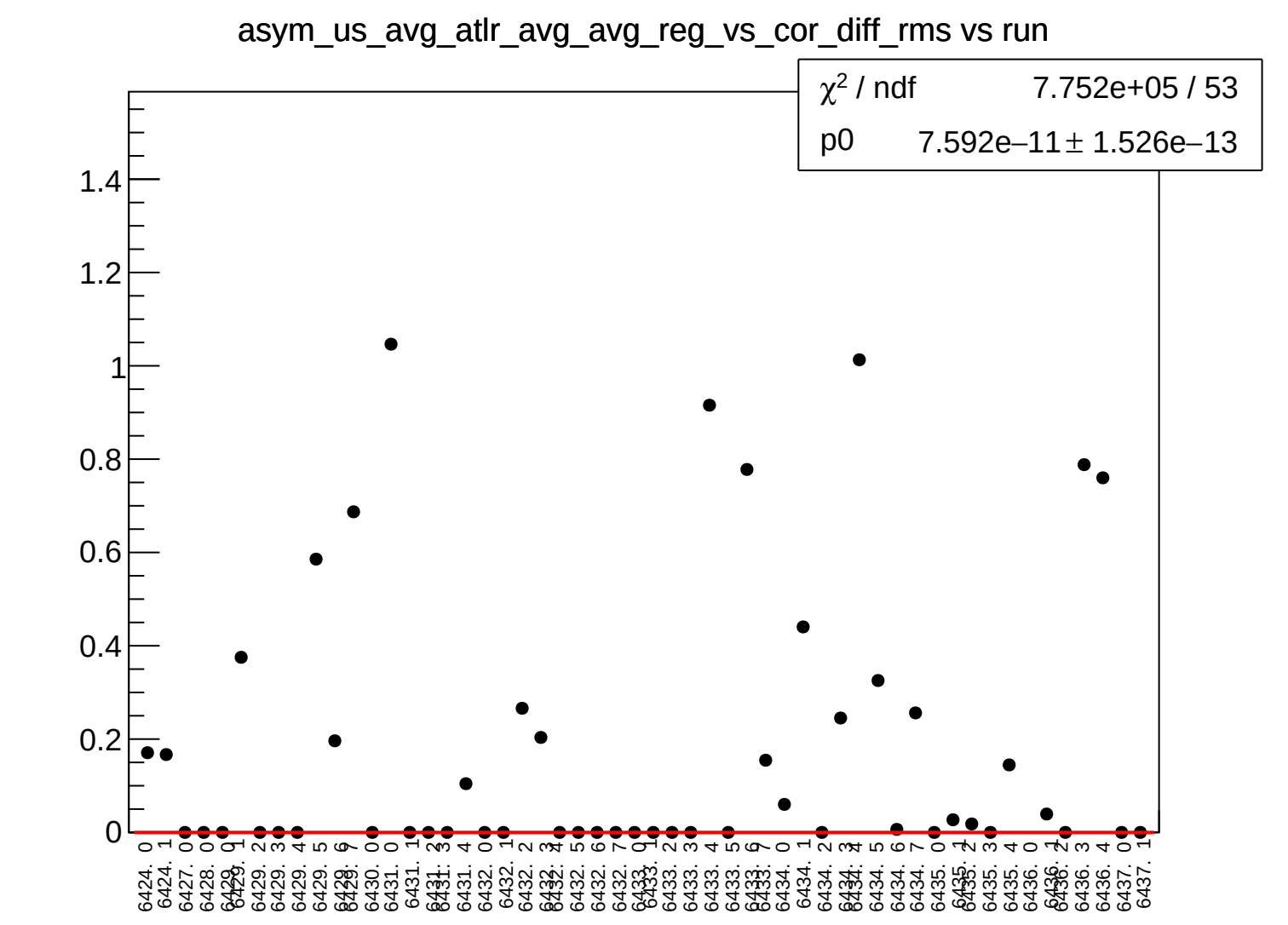

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2792 / 53
p0 5995 ± 5.937
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

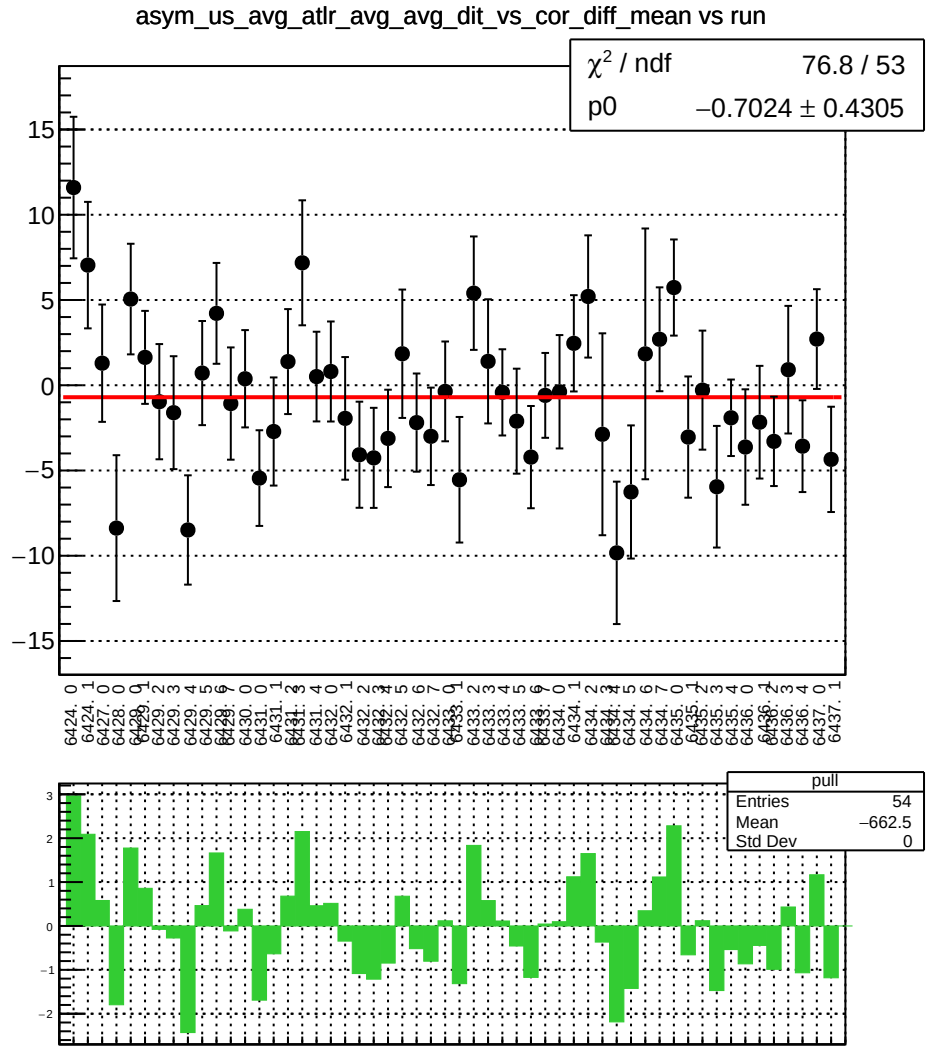

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 52.88 / 53
p0 −5381 ± 8649
200
100
0
−100
−200
pull
Entries 54
Mean 361
Std Dev 0
2
1
0
−1
−2

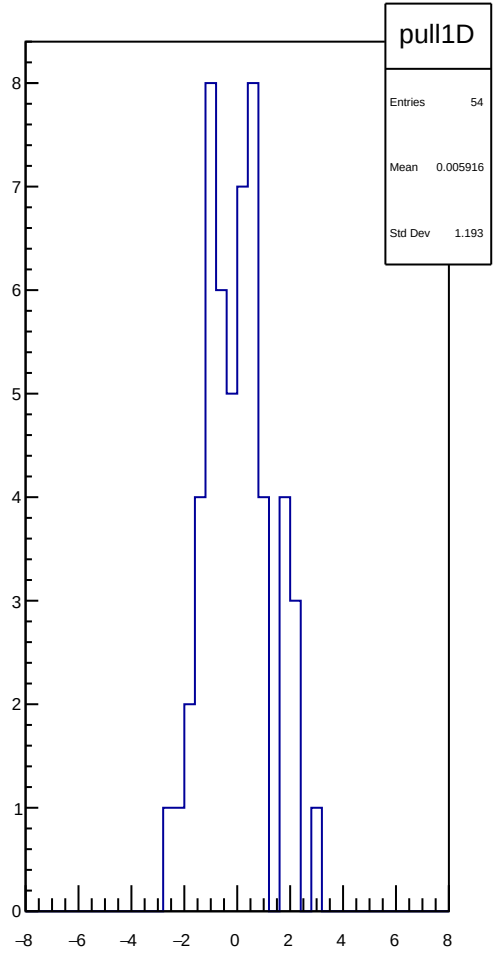

pull1D
Entries 54
Mean −0.0041
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

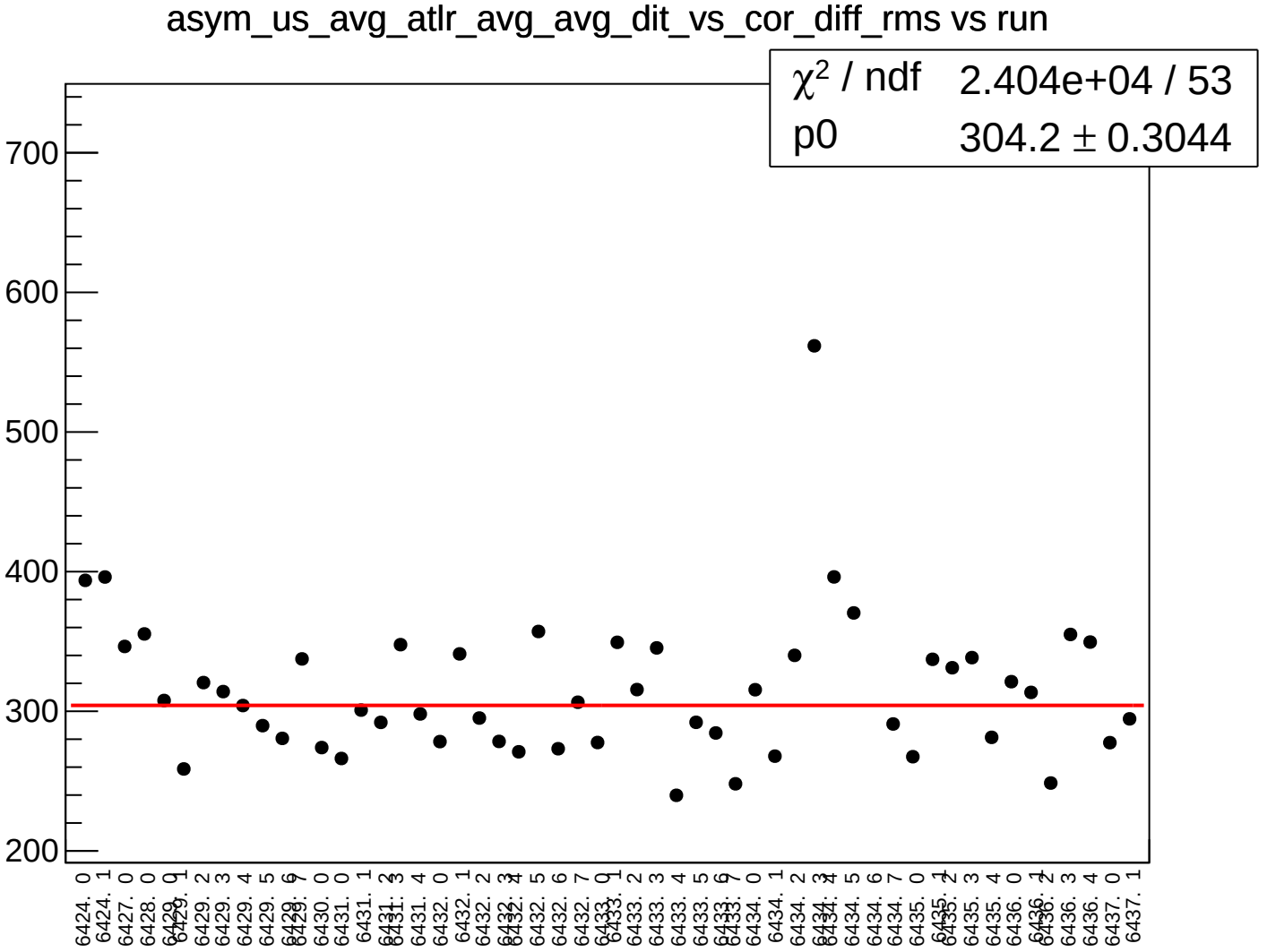

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2803 / 53
p0 6176 ± 6.116
7500
7000
6500
6000
5500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 66.55 / 53
p0 3.249e−13 ± 2.158e−13
pull
Entries 54
Mean 1.31
Std Dev 0
pull1D
Entries 54
Mean −0.1048
Std Dev 1.105


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.752e+05 / 53
p0 7.592e−11 ± 1.526e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.8 / 53
p0 −0.7024 ± 0.4305
pull
Entries 54
Mean −662.5
Std Dev 0


pull1D
Entries 54
Mean 0.005916
Std Dev 1.193


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.404e+04 / 53
p0 304.2 ± 0.3044
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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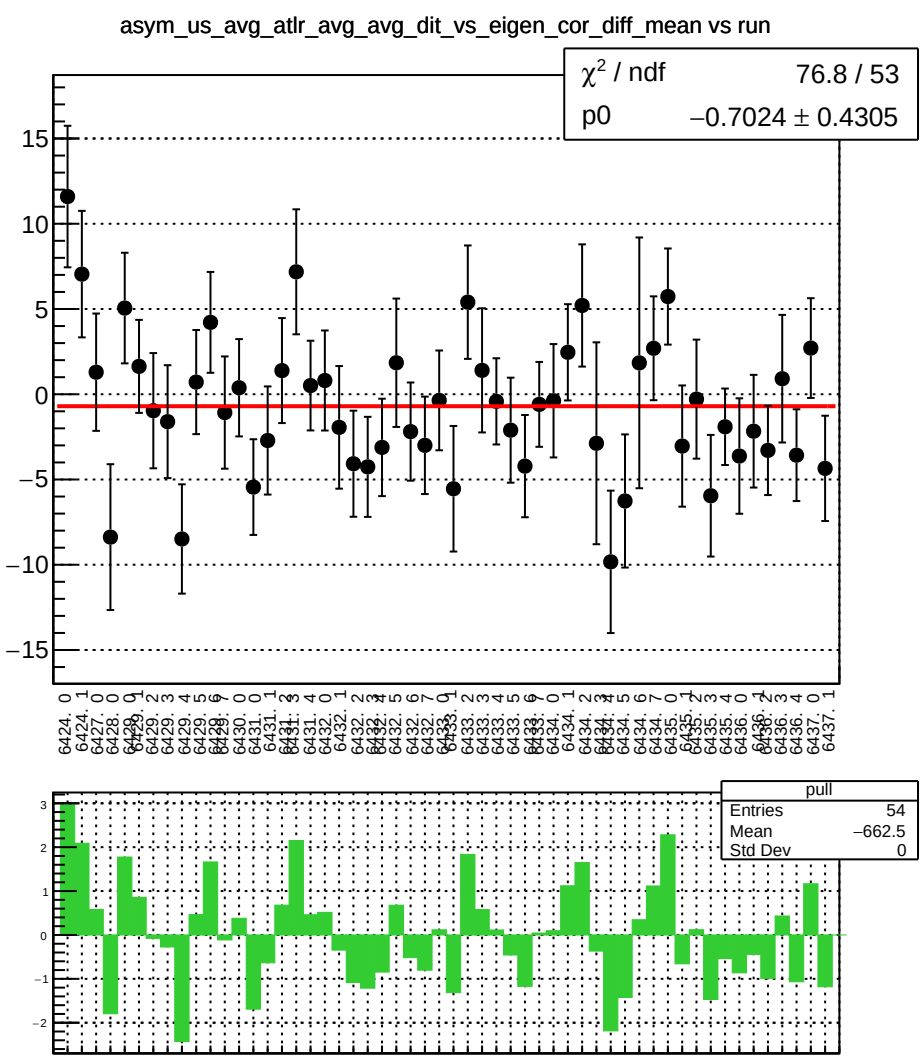
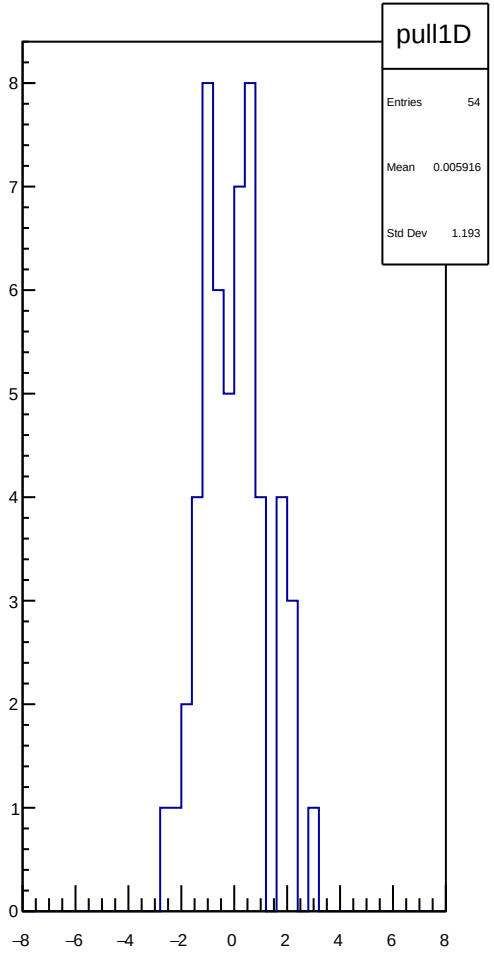
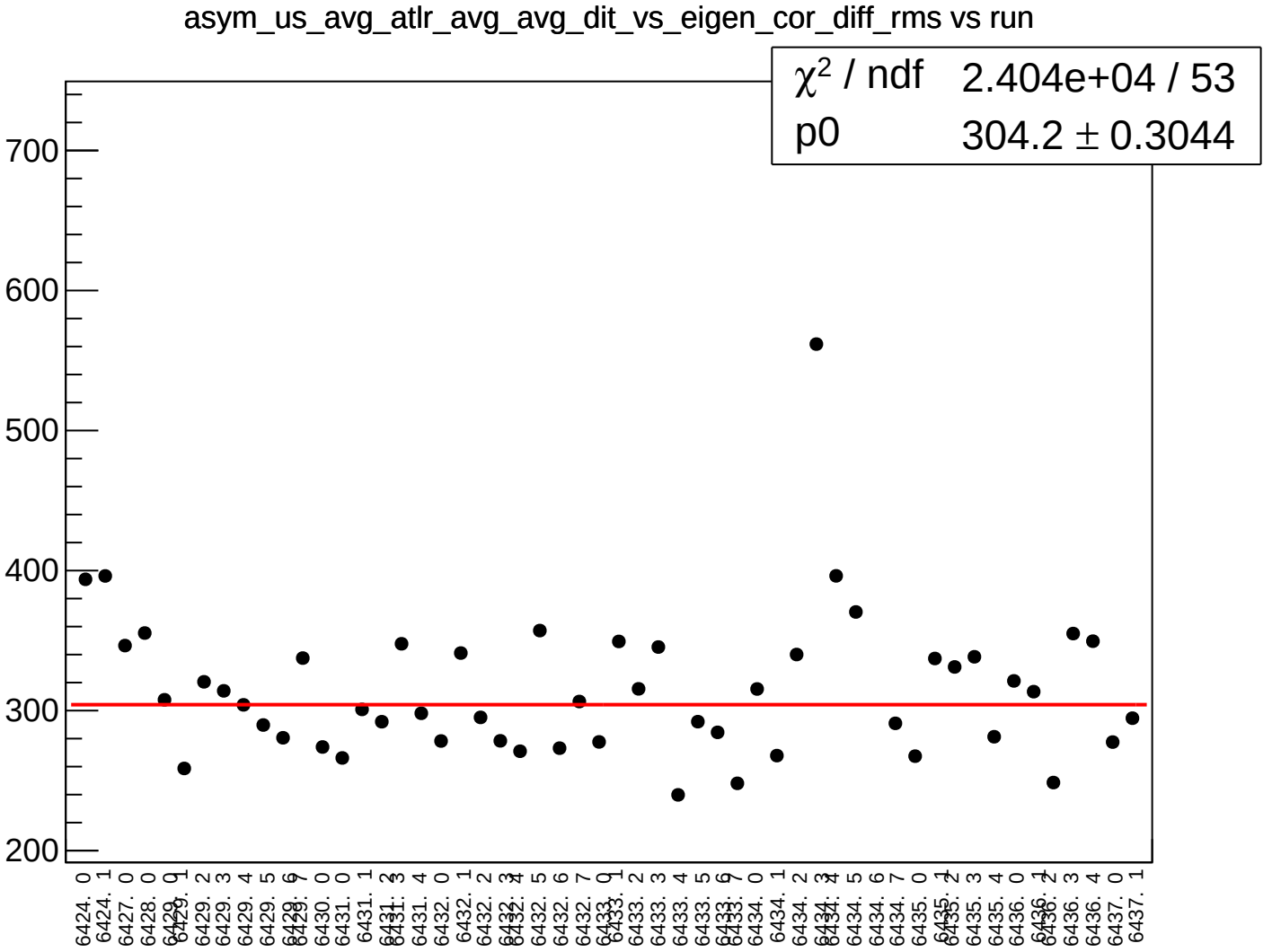
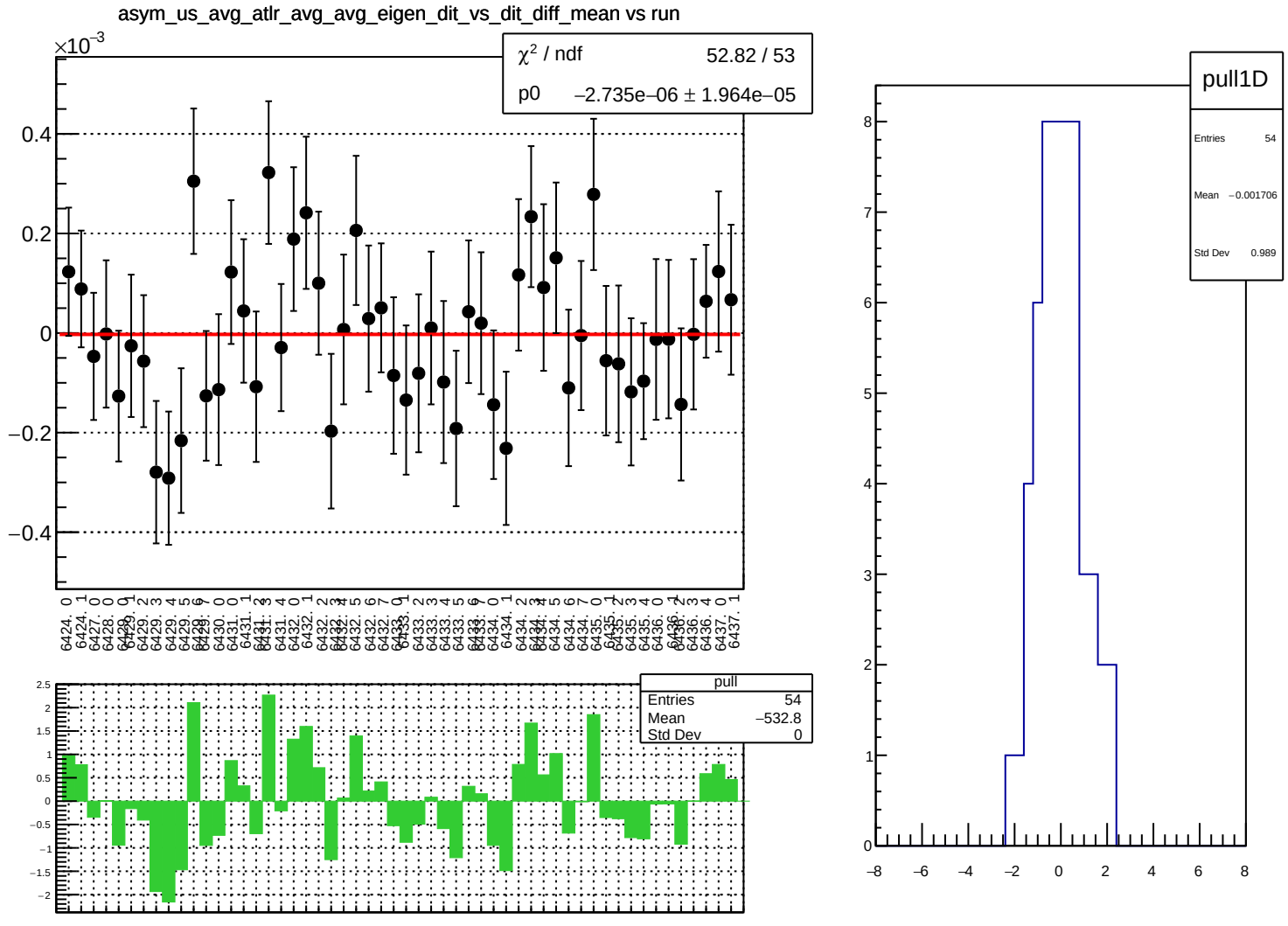
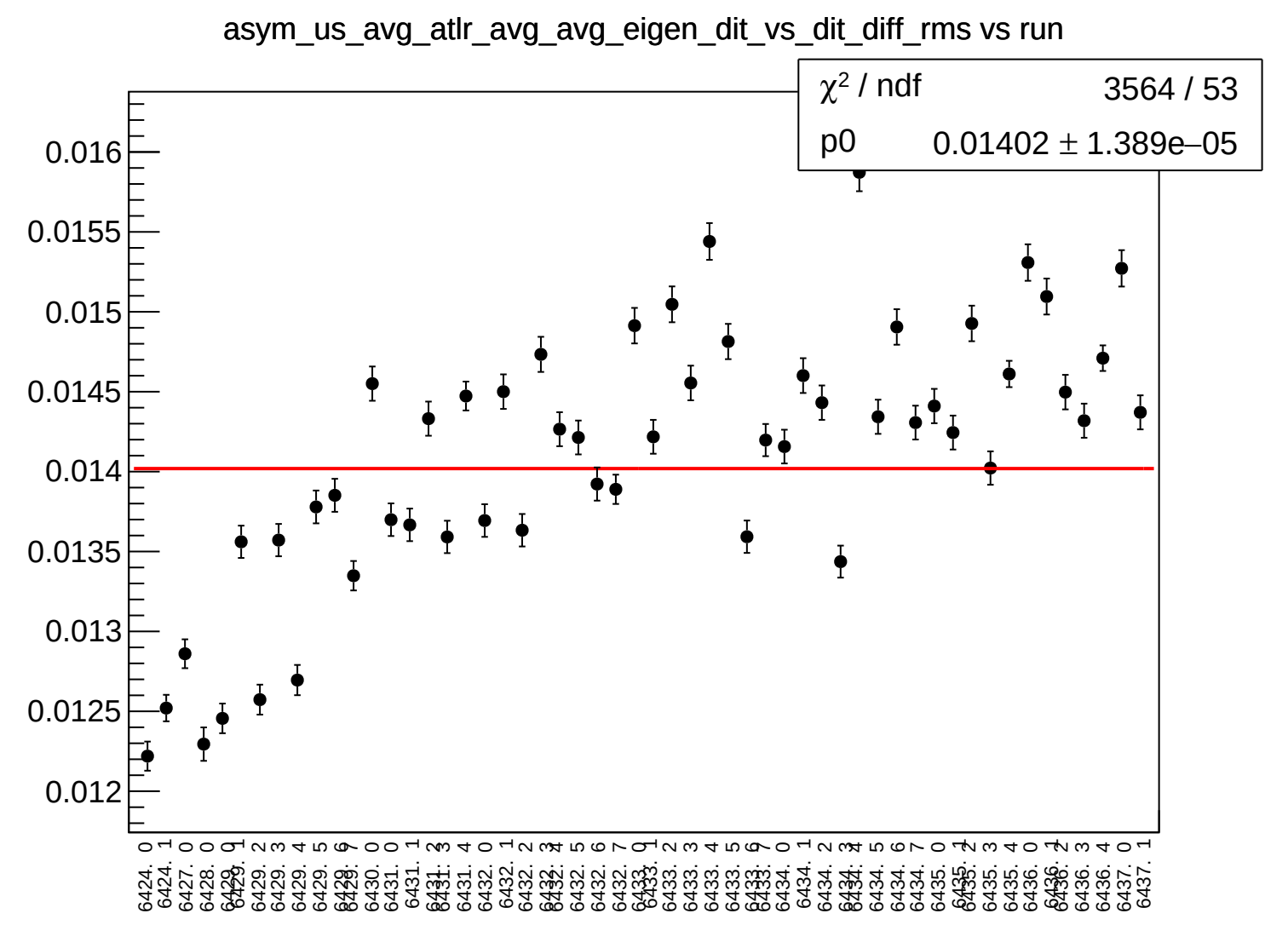
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.8 / 53
p0 −0.7024 ± 0.4305
pull
Entries 54
Mean −662.5
Std Dev 0


pull1D
Entries 54
Mean 0.005916
Std Dev 1.193


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.404e+04 / 53
p0 304.2 ± 0.3044
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.82 / 53
p0 −2.735e−06 ± 1.964e−05
pull
Entries 54
Mean −532.8
Std Dev 0
pull1D
Entries 54
Mean −0.001706
Std Dev 0.989


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3564 / 53
p0 0.01402 ± 1.389e–05
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
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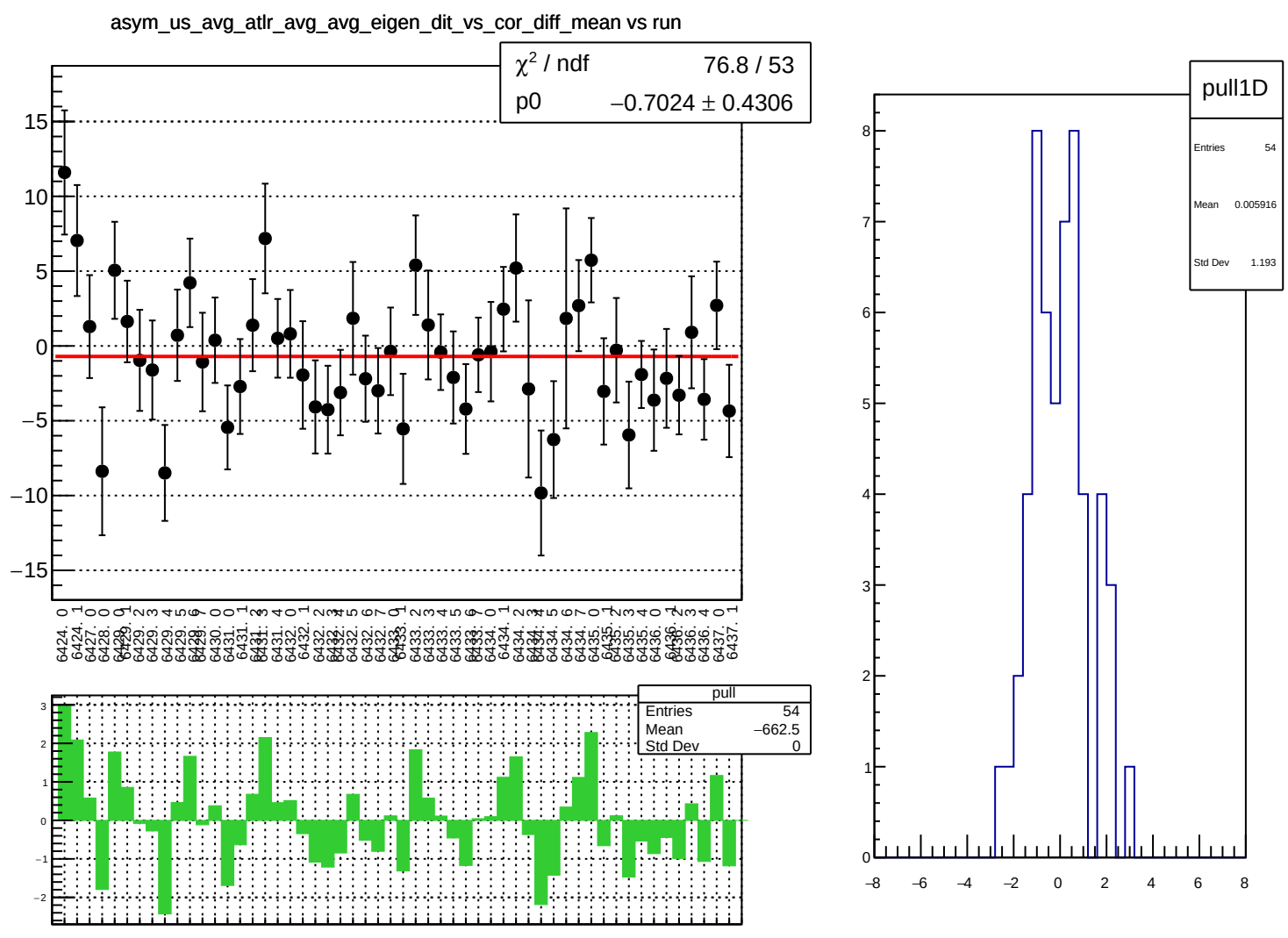
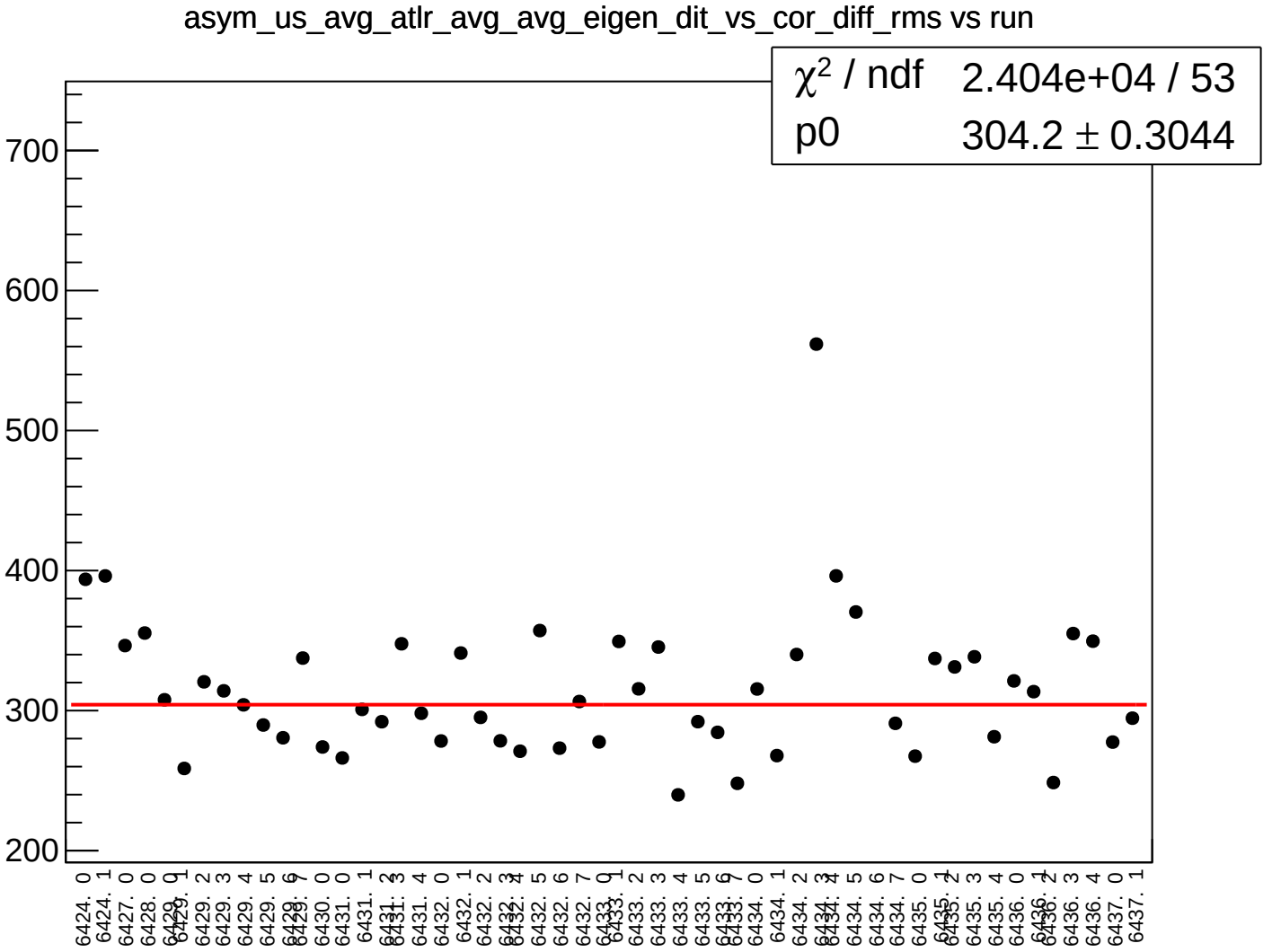
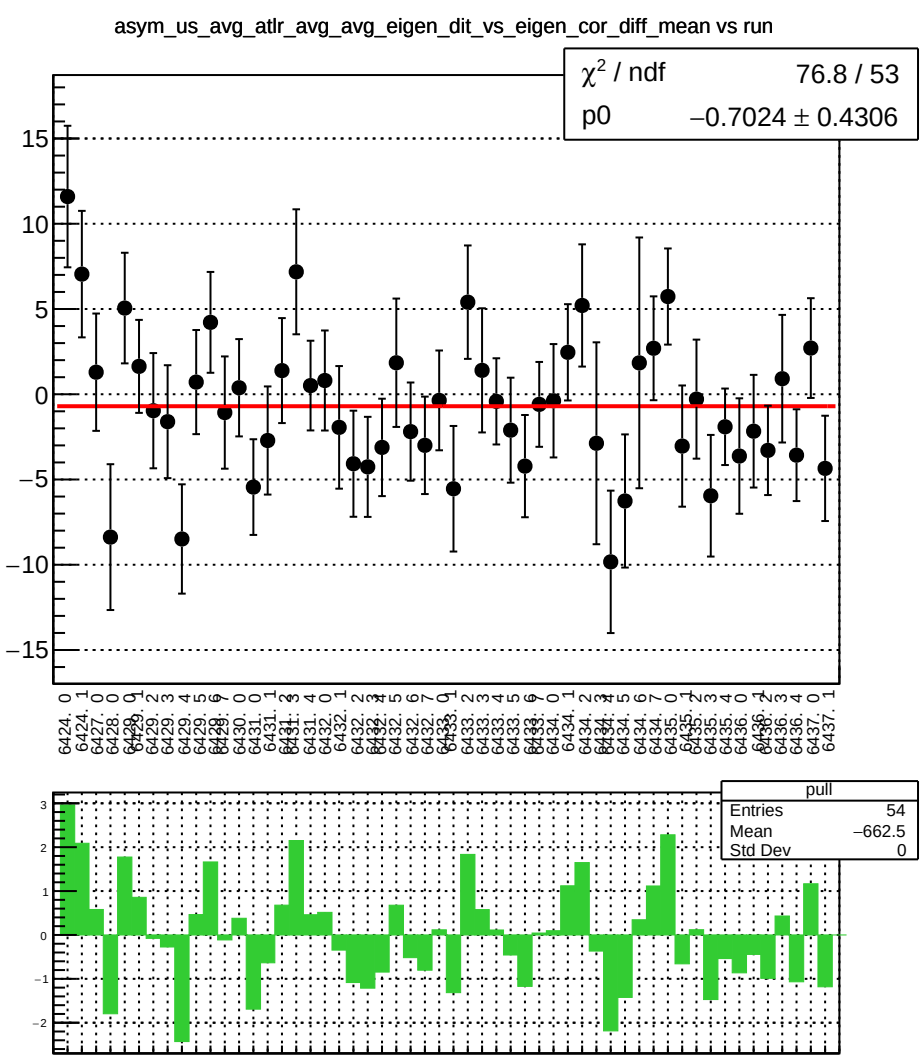
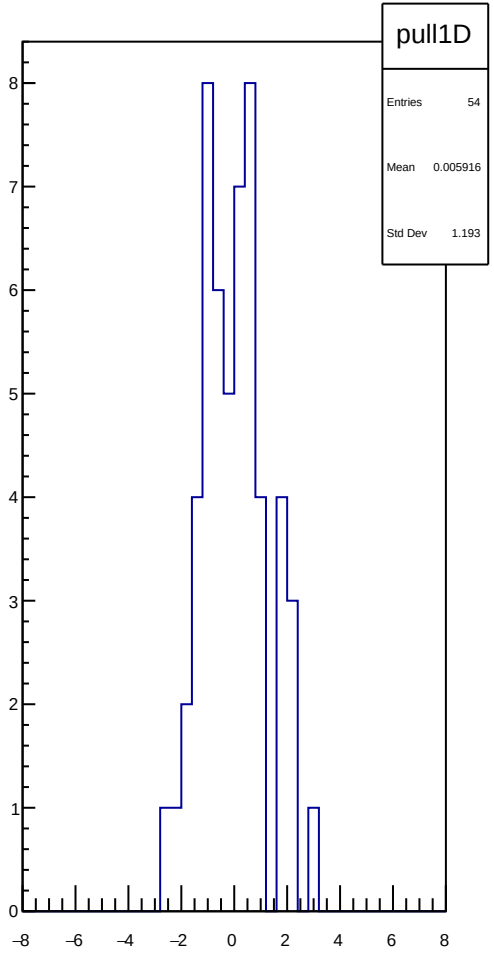
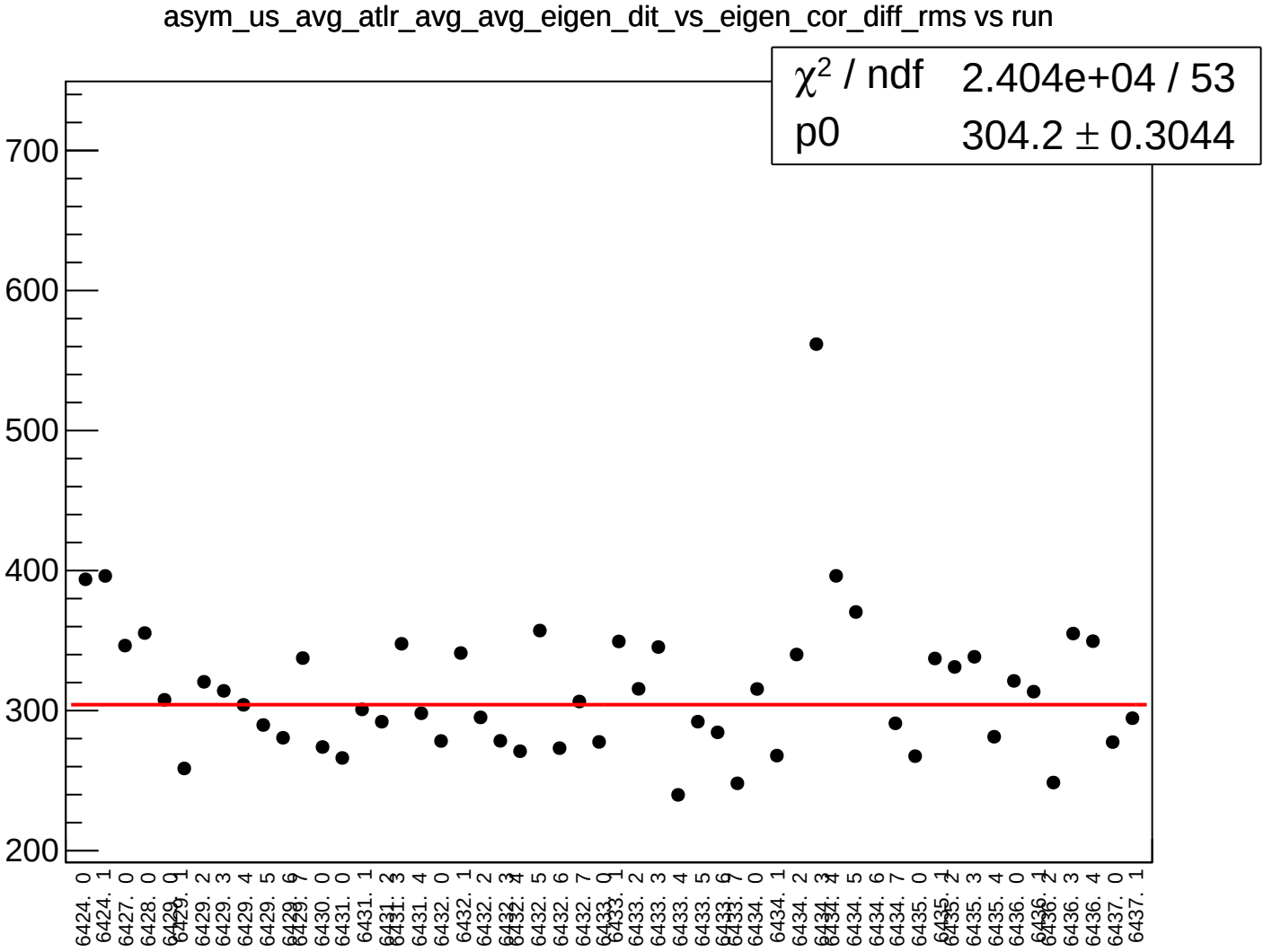
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

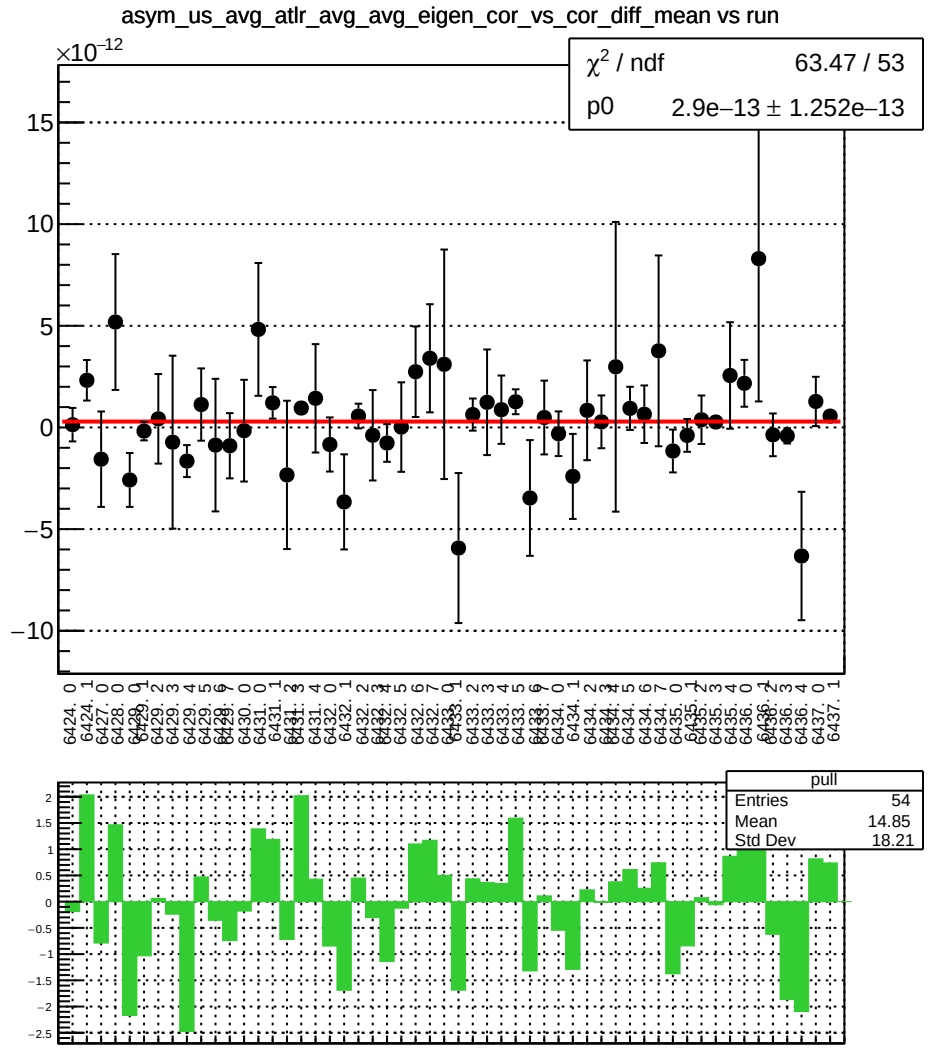

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.8 / 53
p0 −0.7024 ± 0.4306
pull
Entries 54
Mean −662.5
Std Dev 0
pull1D
Entries 54
Mean 0.005916
Std Dev 1.193

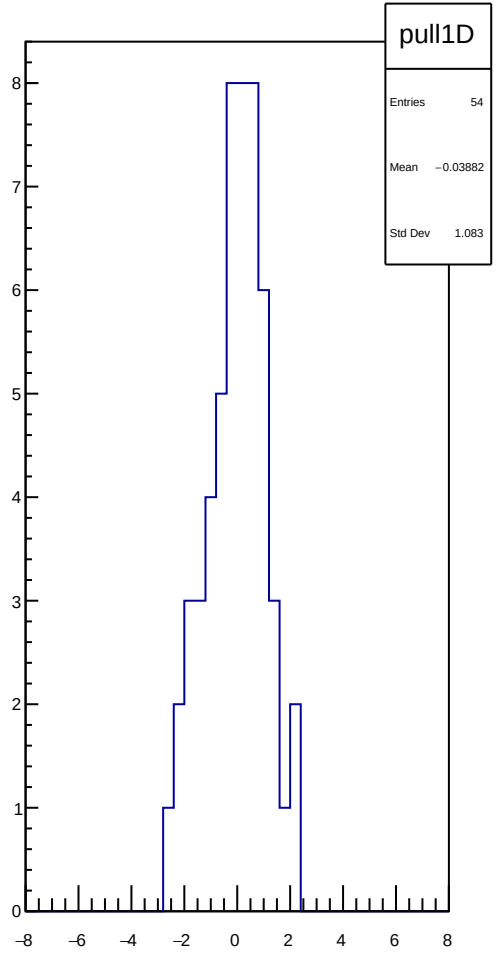

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.404e+04 / 53
p0 304.2 ± 0.3044
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

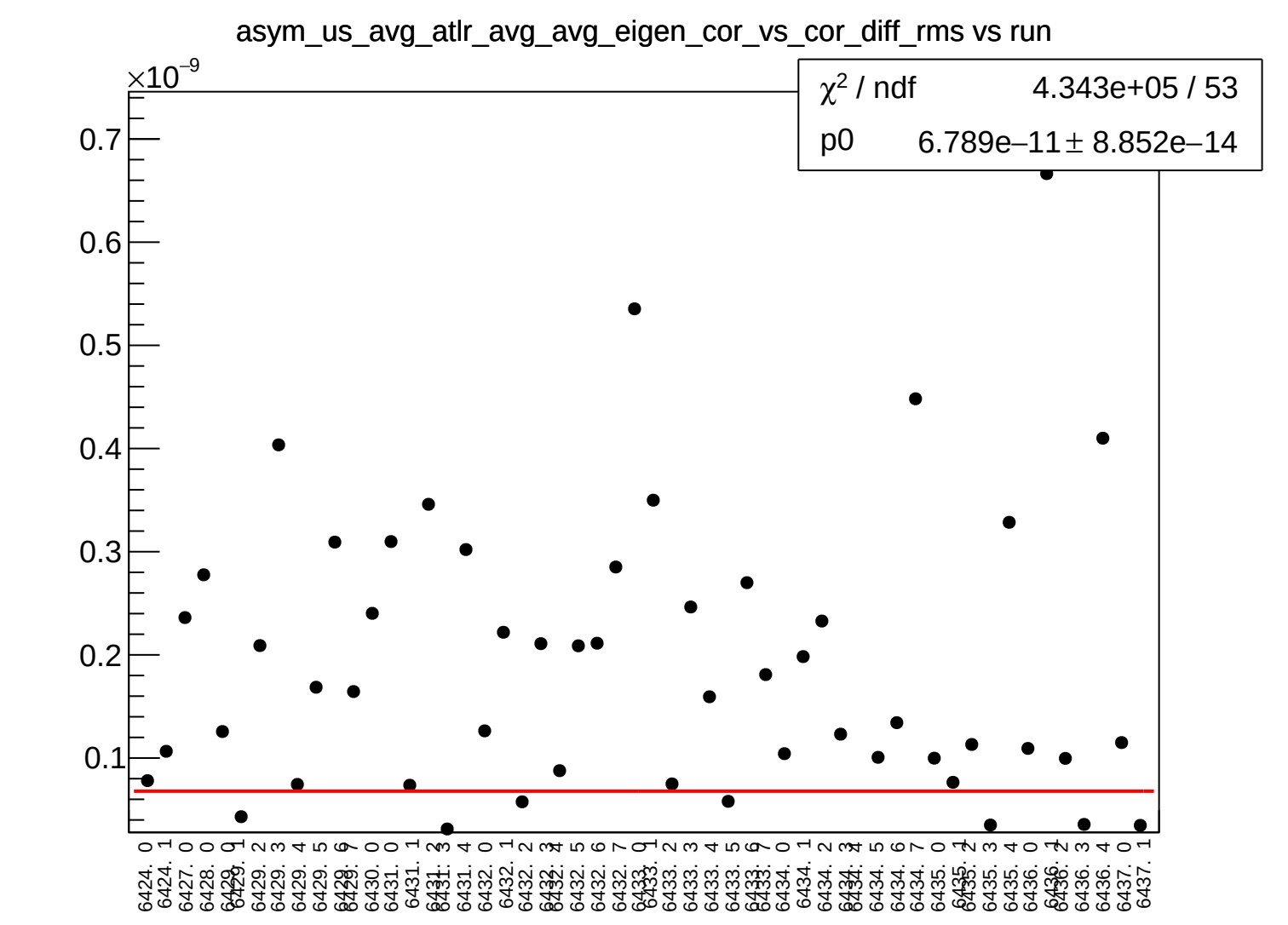

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.8 / 53
p0 −0.7024 ± 0.4306
pull
Entries 54
Mean −662.5
Std Dev 0

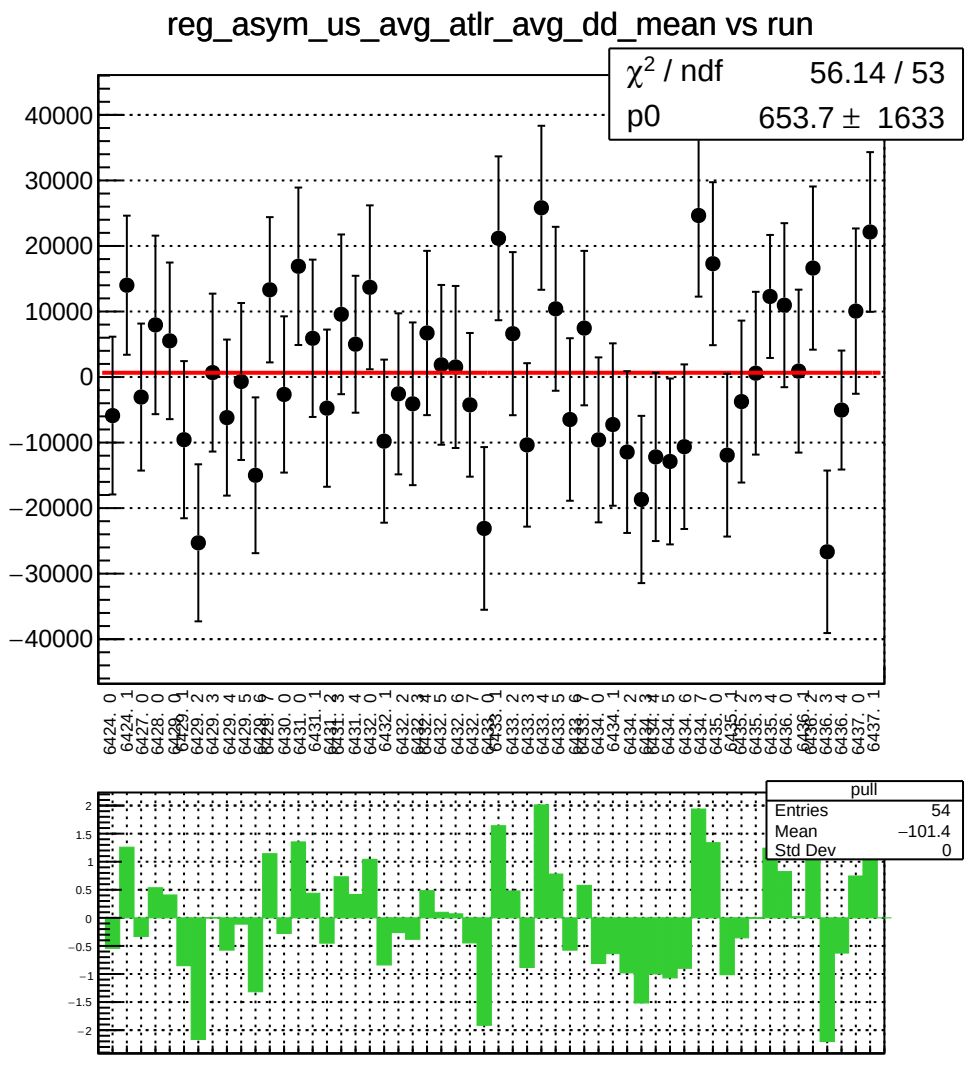

pull1D
Entries 54
Mean 0.005916
Std Dev 1.193

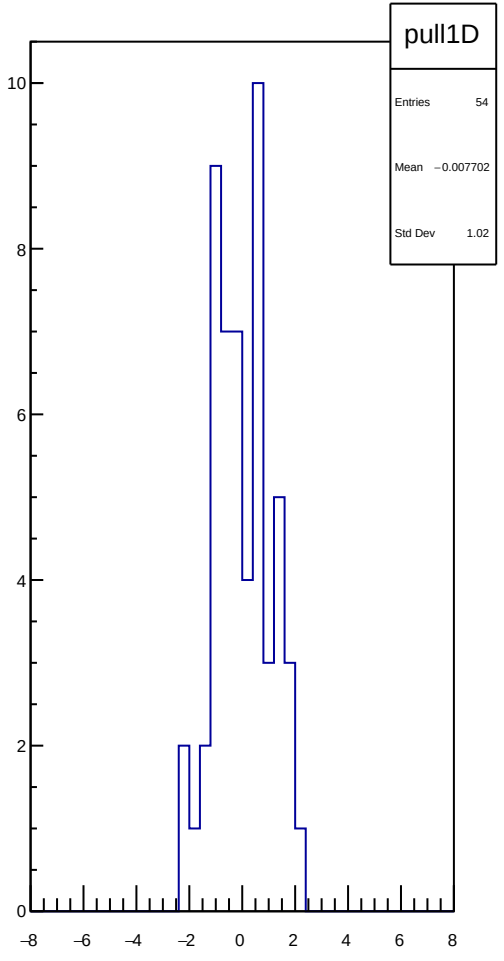

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.404e+04 / 53
p0 304.2 ± 0.3044
700
600
500
400
300
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

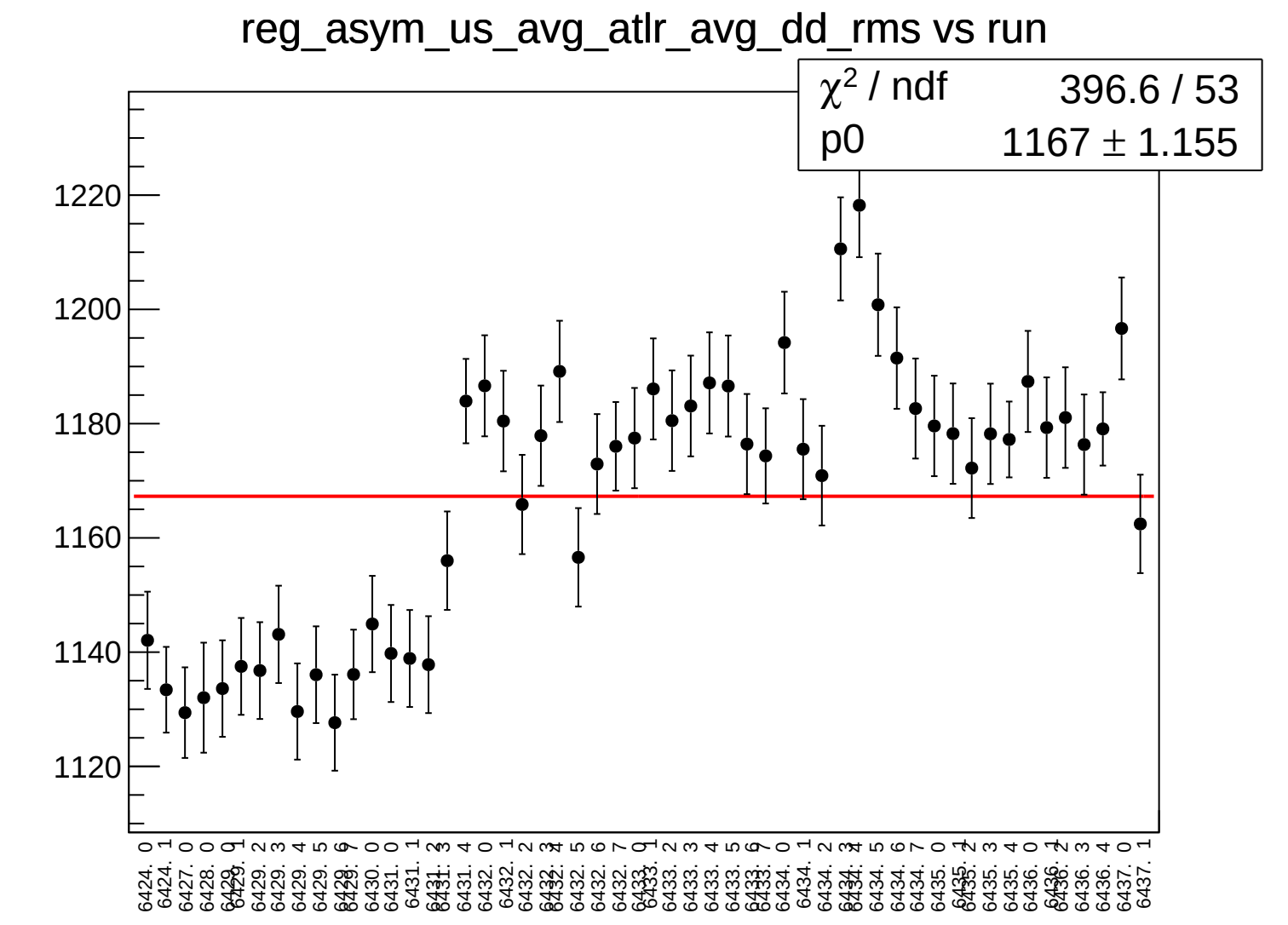

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.47 / 53
p0 2.9e−13 ± 1.252e−13
pull
Entries 54
Mean 14.85
Std Dev 18.21

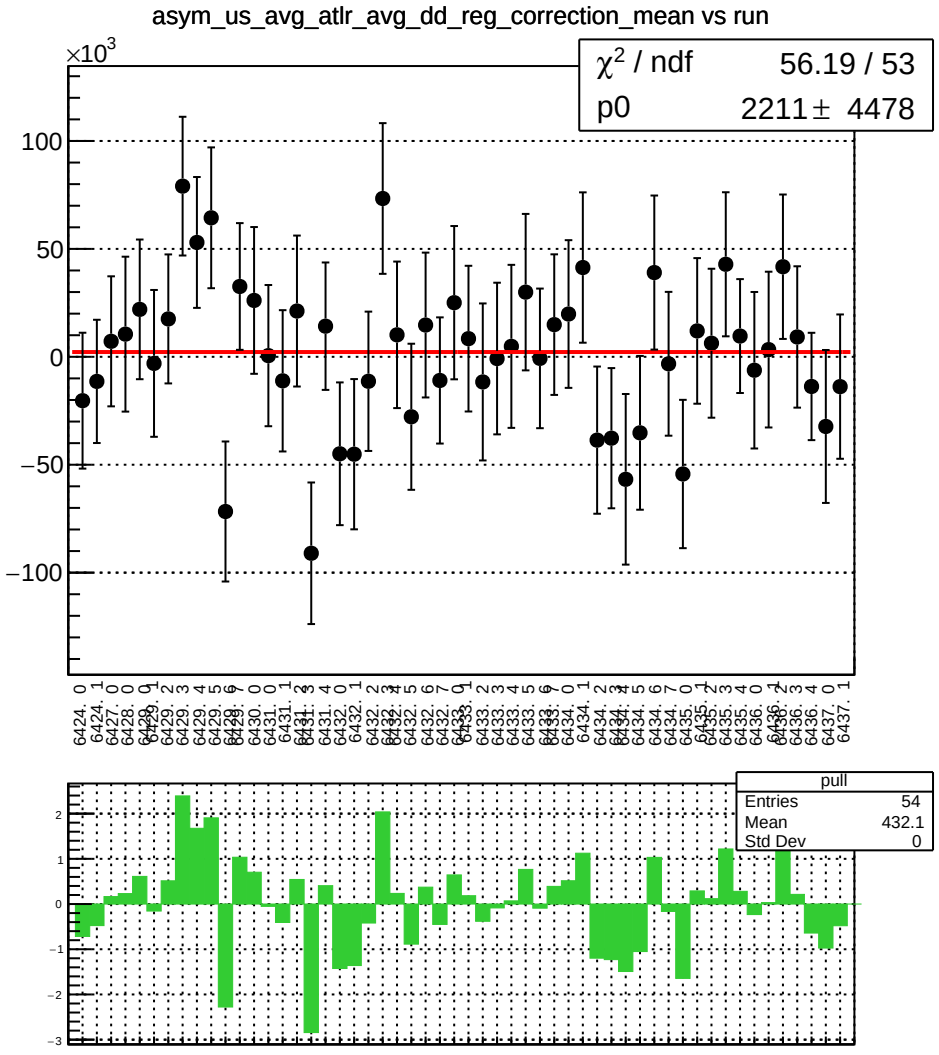

pull1D
Entries 54
Mean −0.03882
Std Dev 1.083

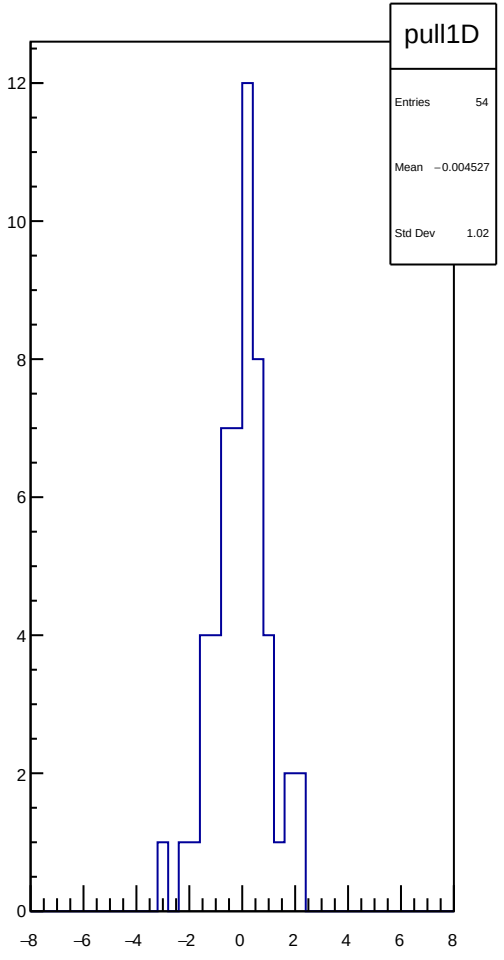

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.343e+05 / 53
p0 6.789e−11 ± 8.852e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

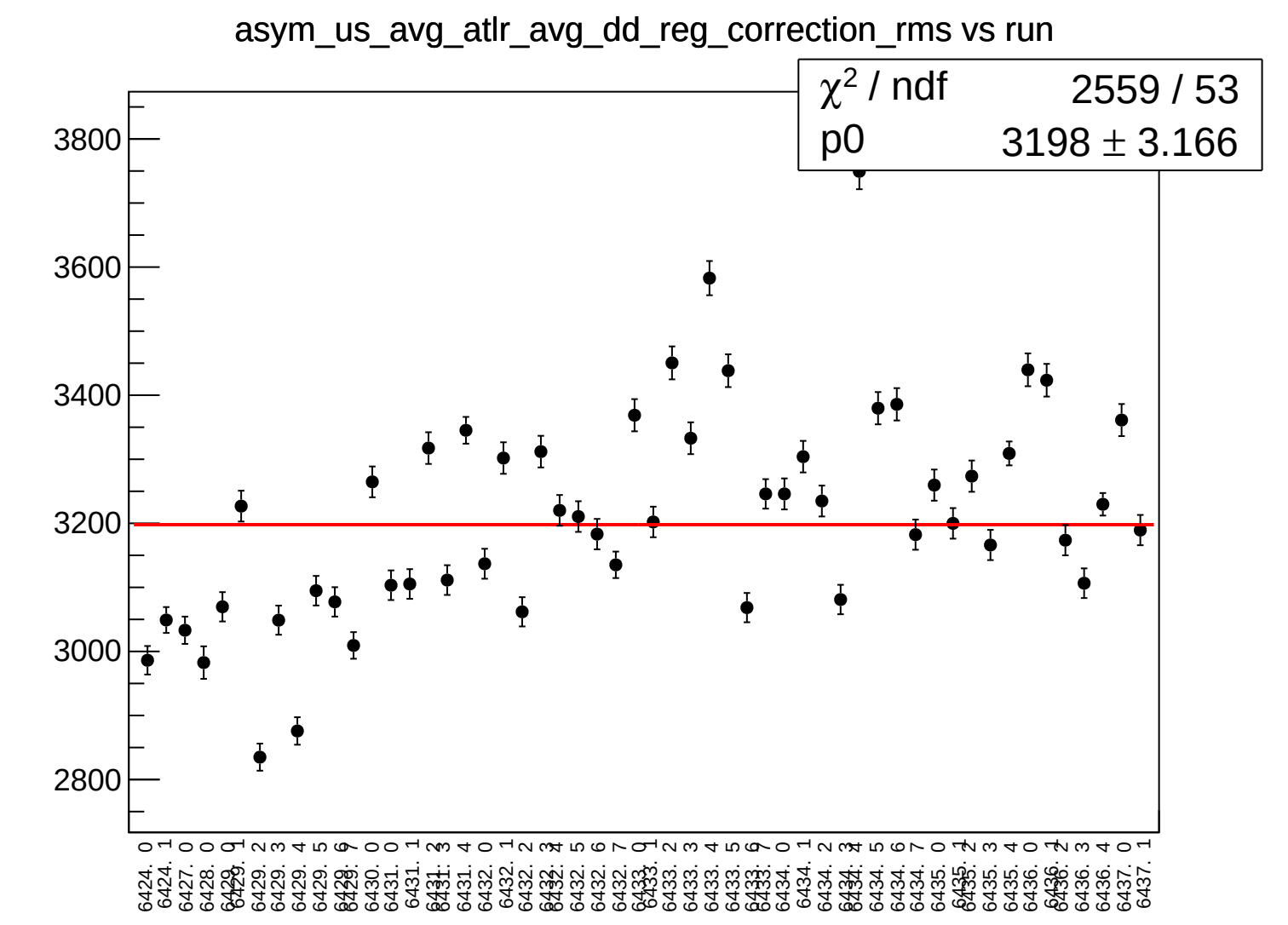

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 56.14 / 53
p0 653.7 ± 1633
pull
Entries 54
Mean −101.4
Std Dev 0

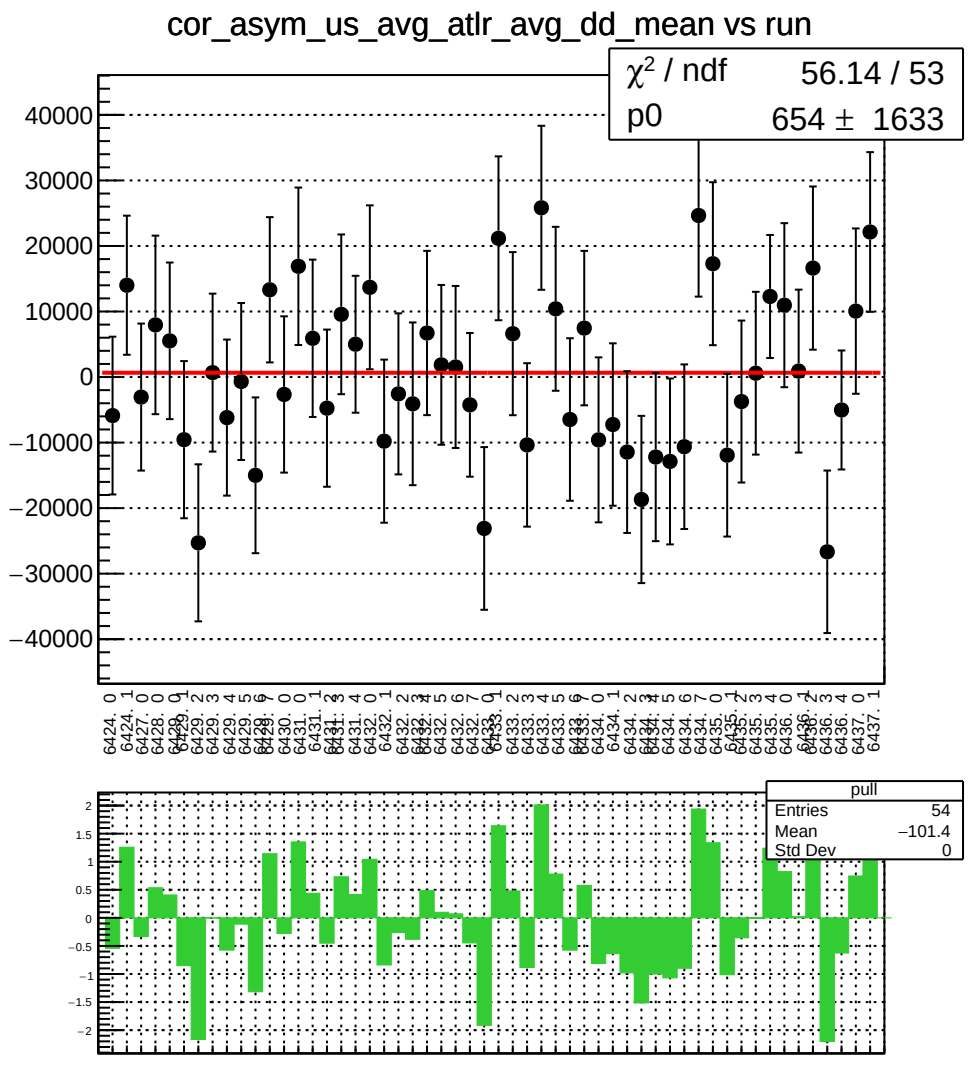

pull1D
Entries 54
Mean −0.007702
Std Dev 1.02

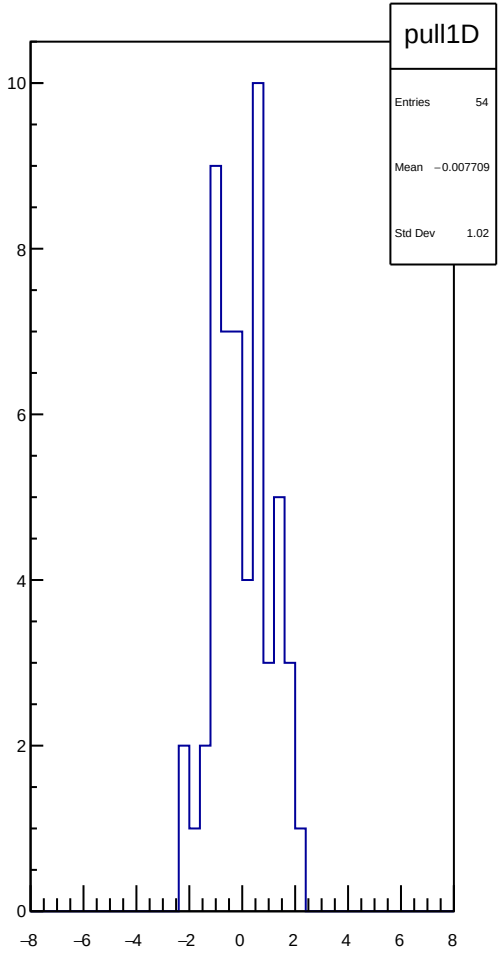

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 396.6 / 53
p0 1167 ± 1.155
1220
1200
1180
1160
1140
1120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

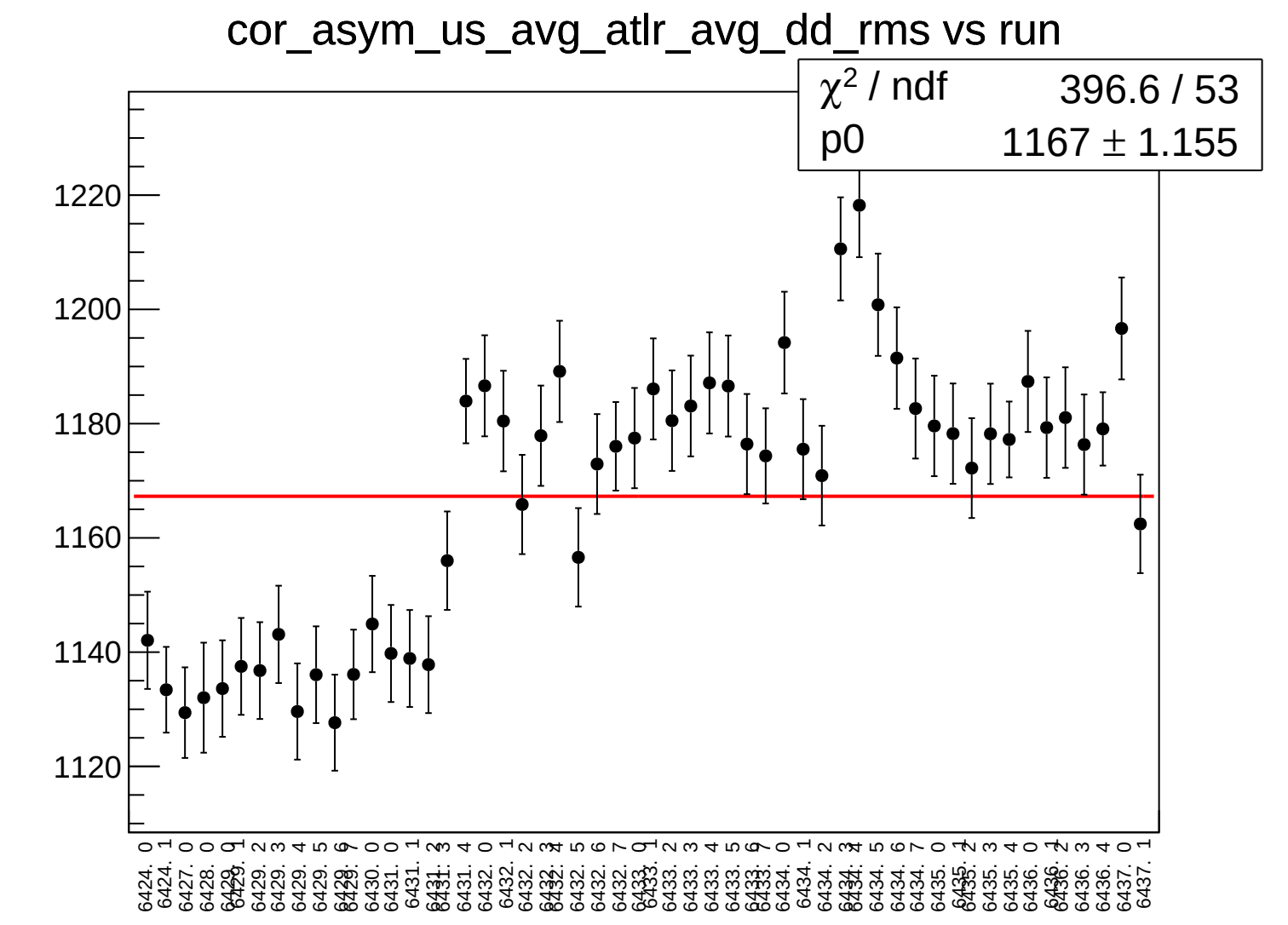

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 56.19 / 53
p0 2211 ± 4478
100
50
0
−50
−100
pull
Entries 54
Mean 432.1
Std Dev 0
2
1
0
−1
−2
−3

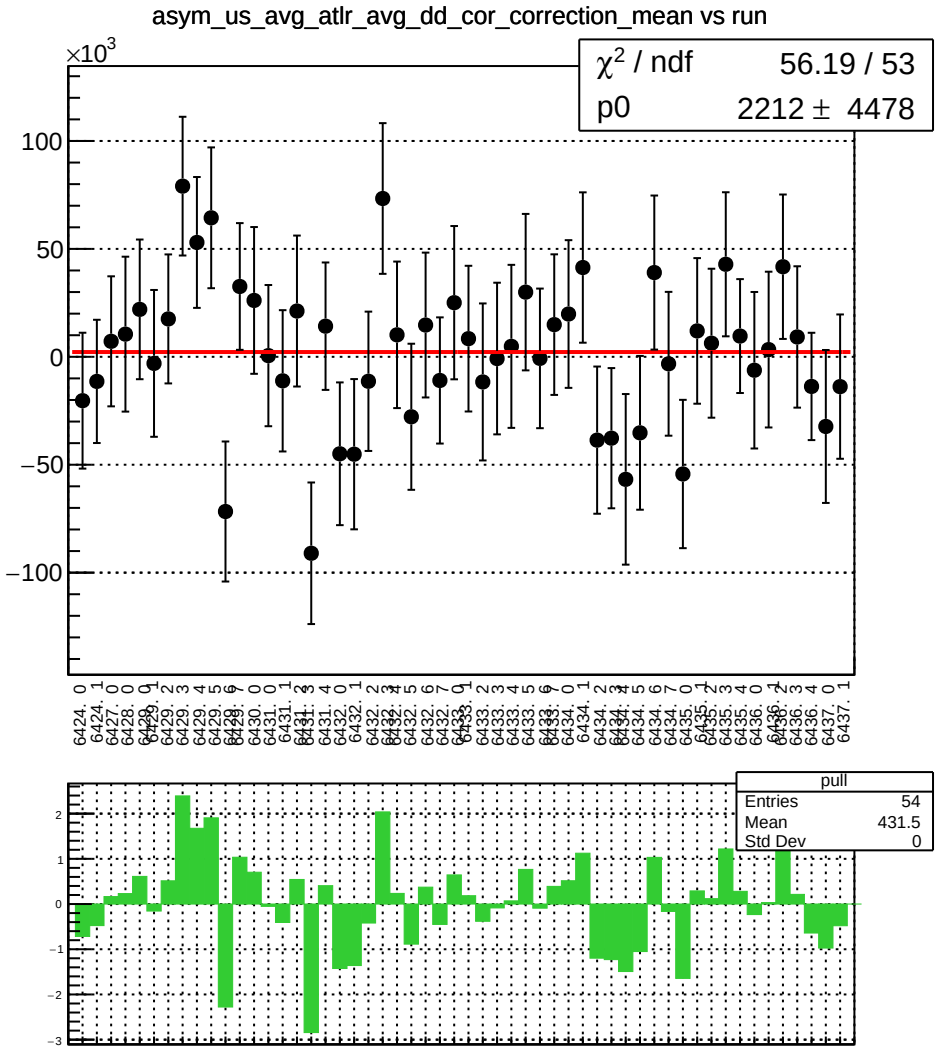

pull1D
Entries 54
Mean −0.004527
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

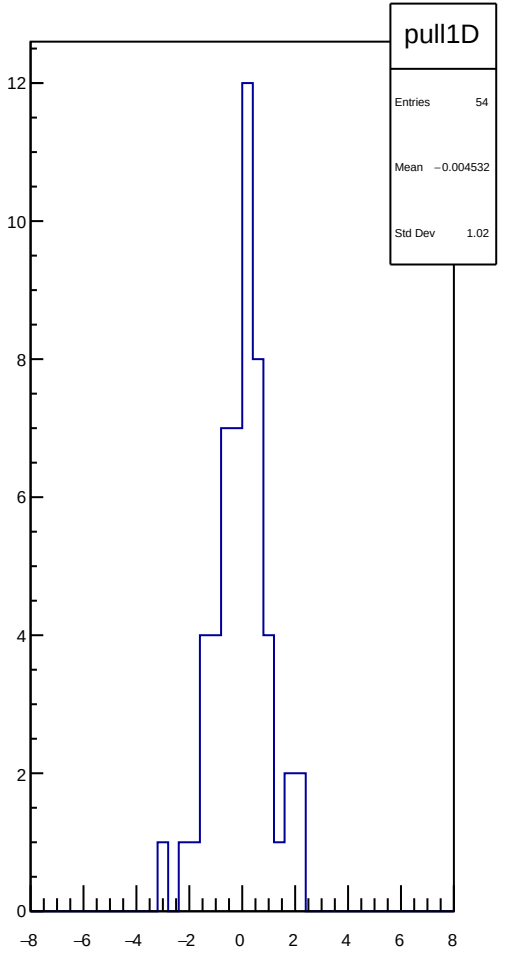

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2559 / 53
p0 3198 ± 3.166
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

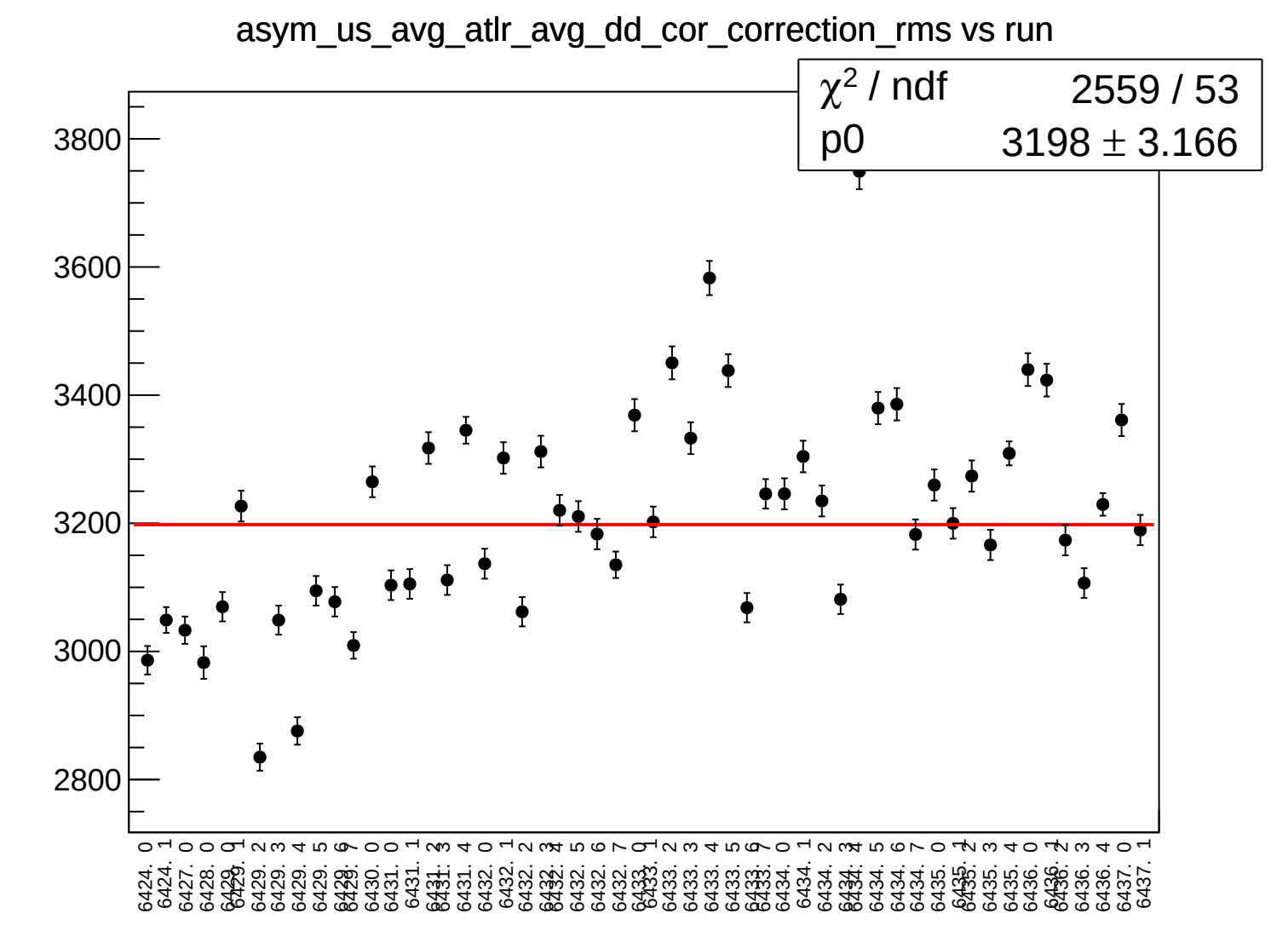

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 56.14 / 53
p0 654 ± 1633
pull
Entries 54
Mean −101.4
Std Dev 0

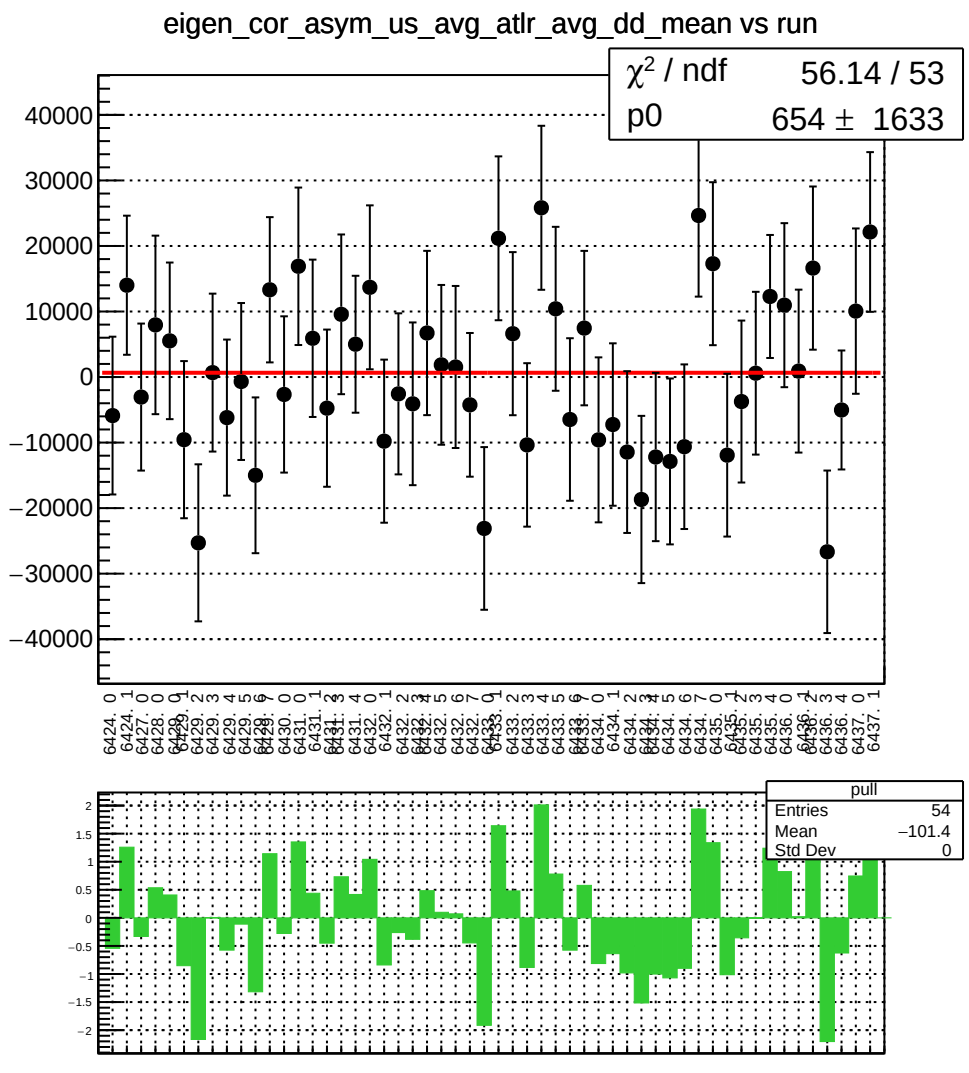

pull1D
Entries 54
Mean −0.007709
Std Dev 1.02

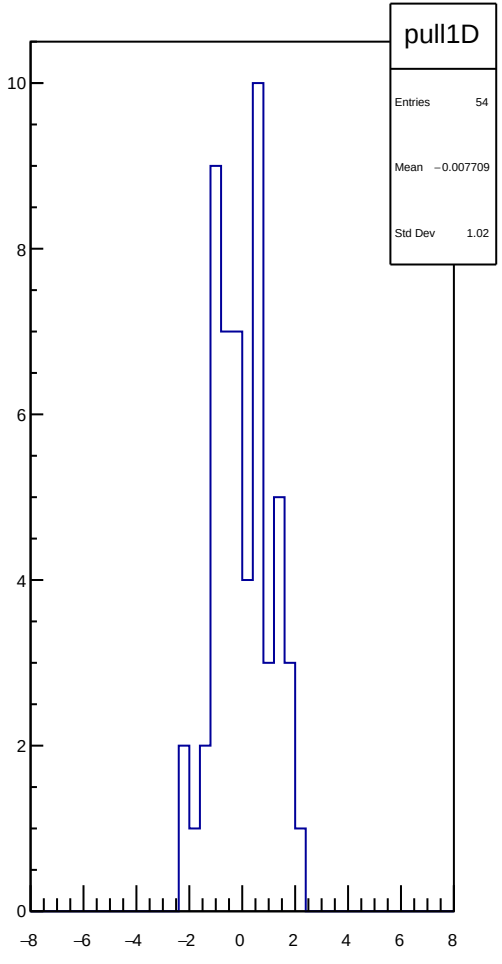

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 396.6 / 53
p0 1167 ± 1.155
1220
1200
1180
1160
1140
1120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

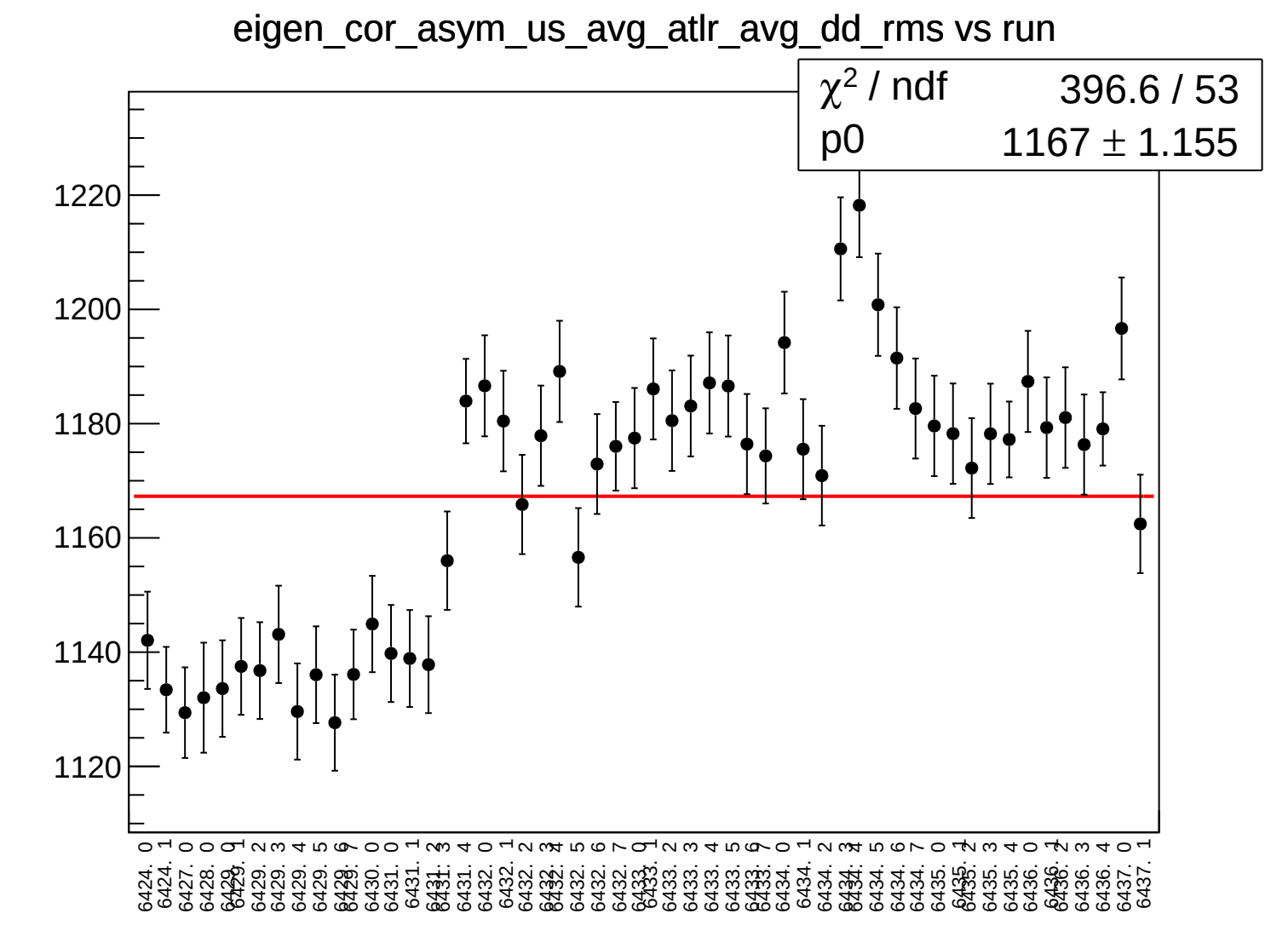

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 56.19 / 53
p0 2212 ± 4478
100
50
0
−50
−100
pull
Entries 54
Mean 431.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.004532
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2559 / 53
p0 3198 ± 3.166
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 56.14 / 53
p0 654 ± 1633
pull
Entries 54
Mean −101.4
Std Dev 0


pull1D
Entries 54
Mean −0.007709
Std Dev 1.02


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 396.6 / 53
p0 1167 ± 1.155
1220
1200
1180
1160
1140
1120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
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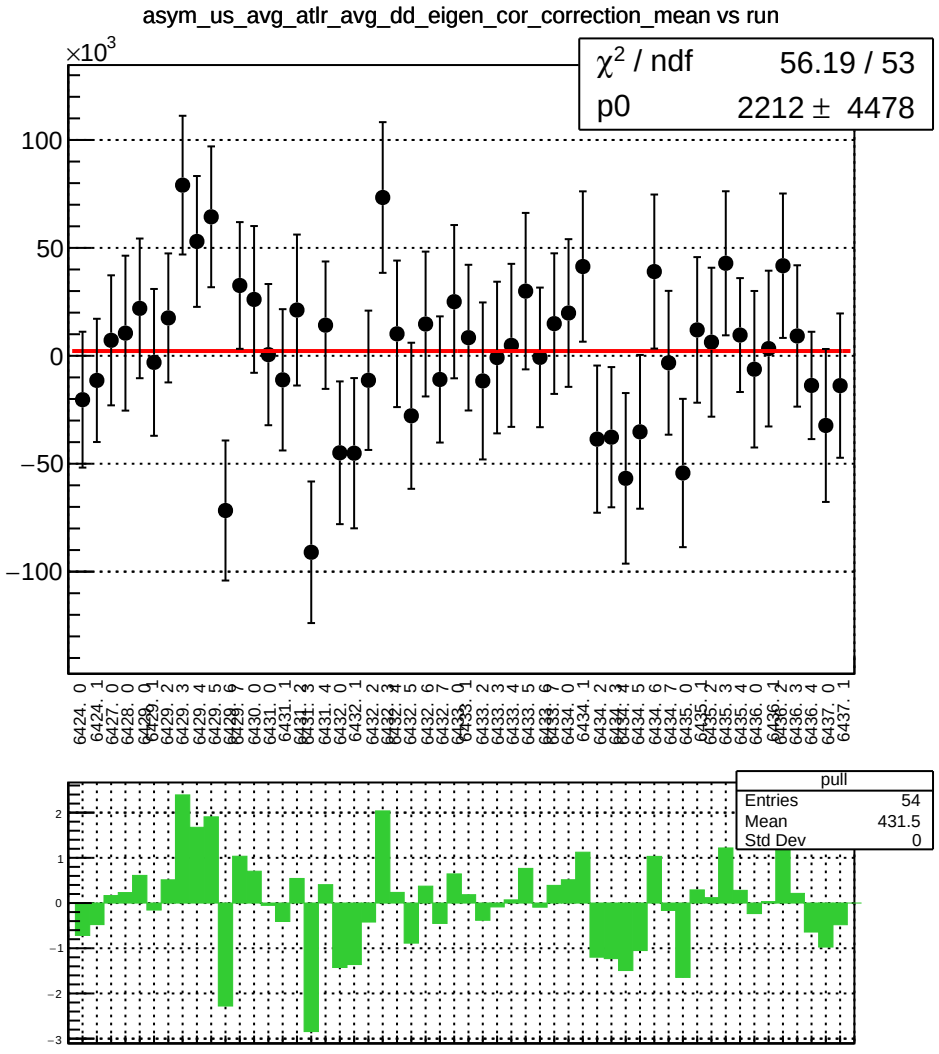
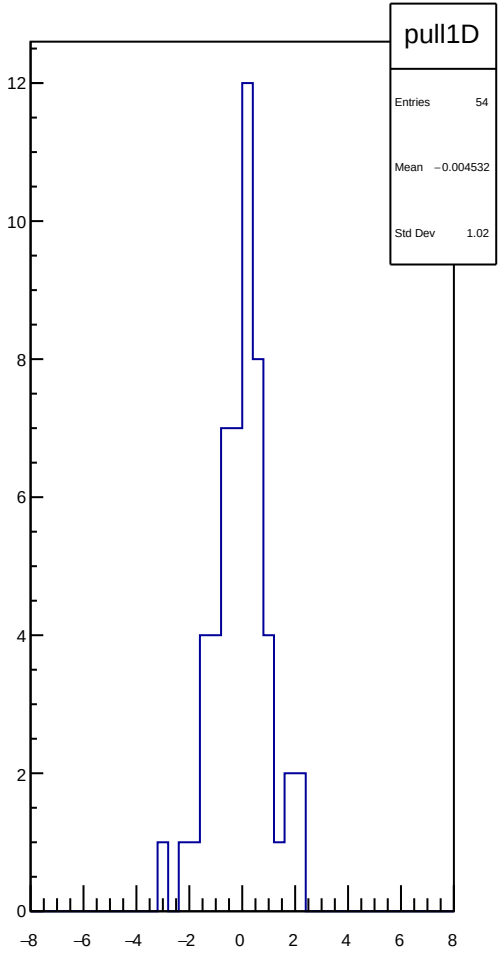
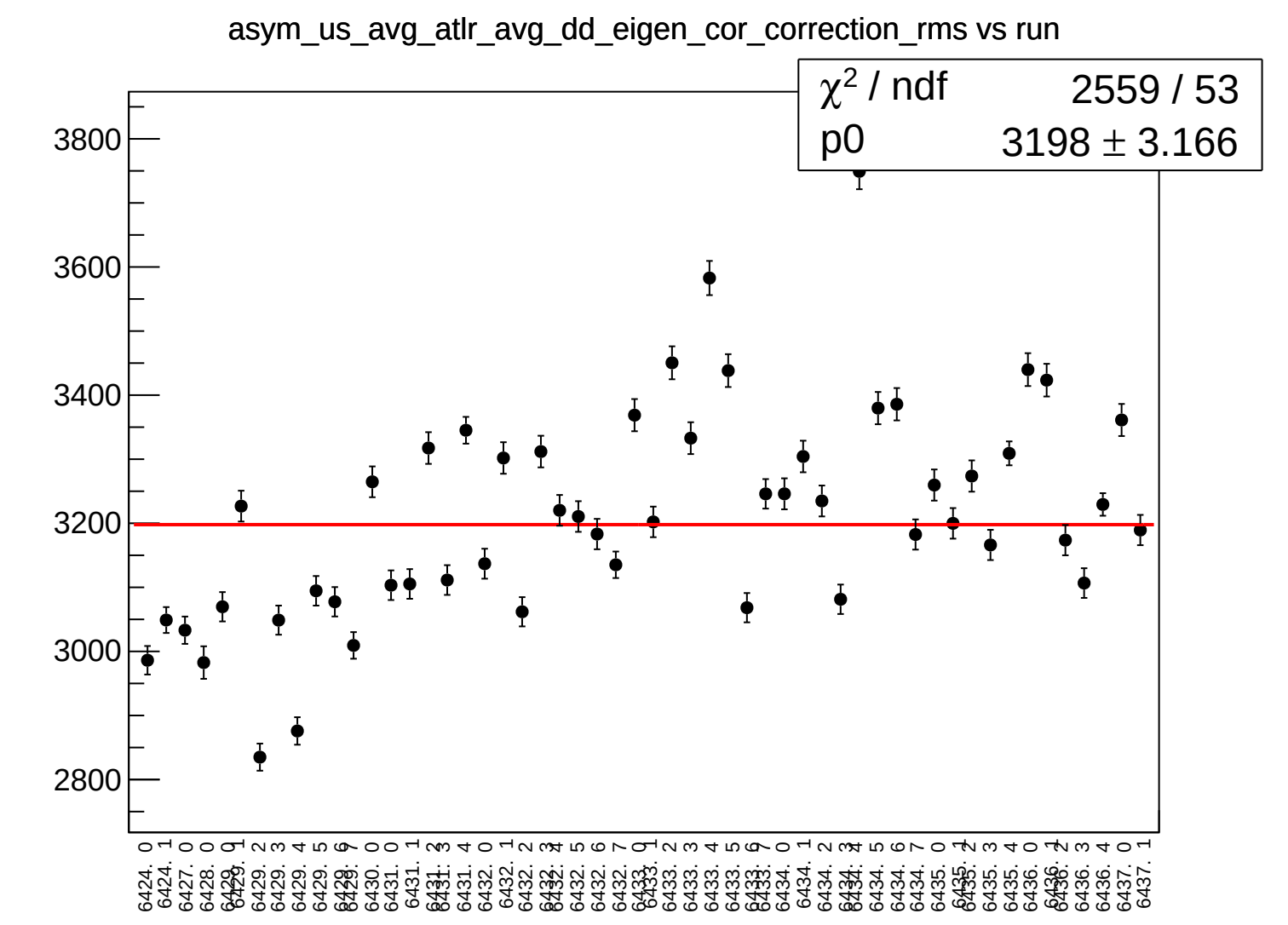
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 56.19 / 53
p0 2212 ± 4478
100
50
0
−50
−100
pull
Entries 54
Mean 431.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.004532
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2559 / 53
p0 3198 ± 3.166
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
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6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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6433. 7
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6434. 1
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6434. 7
6435. 0
6435. 1
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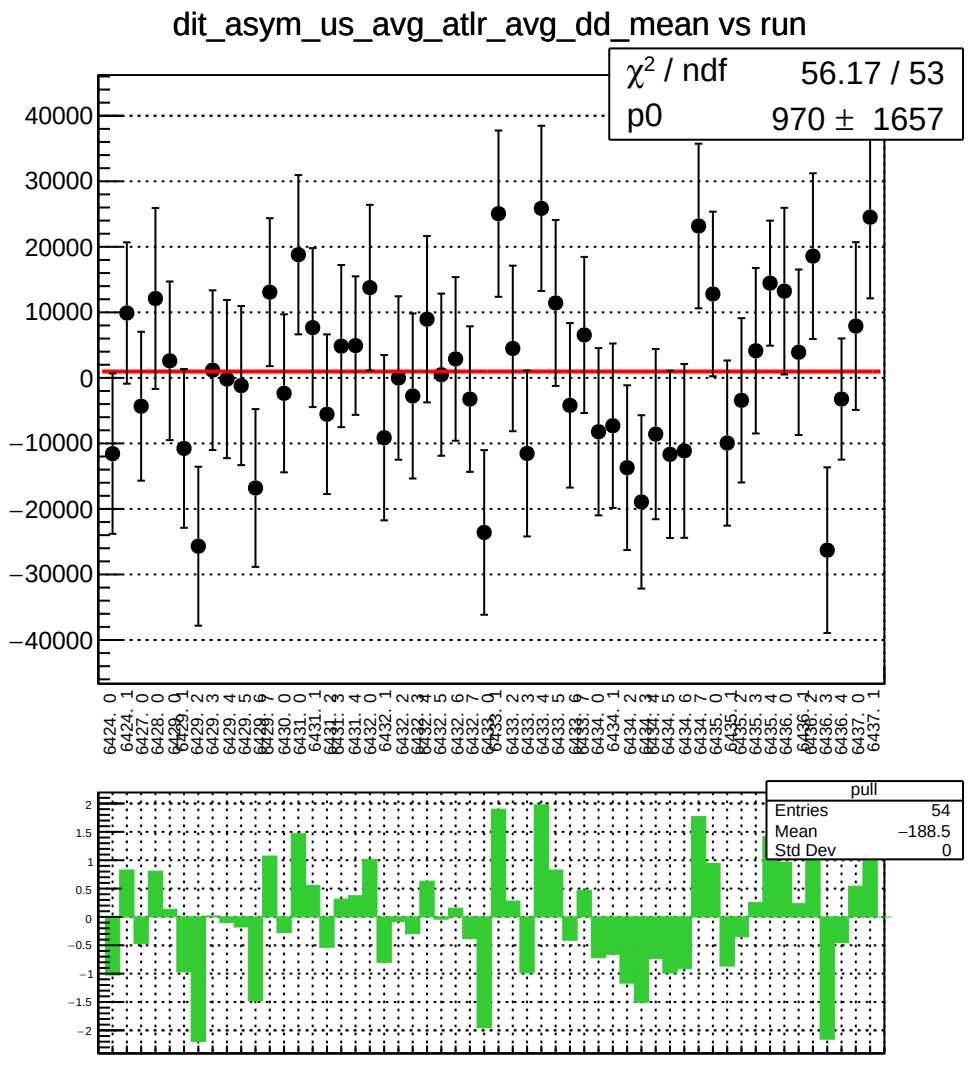
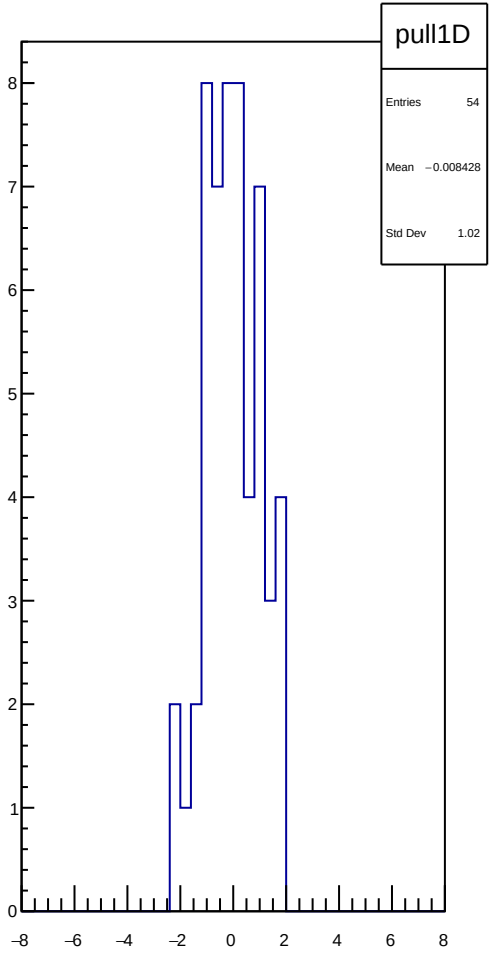
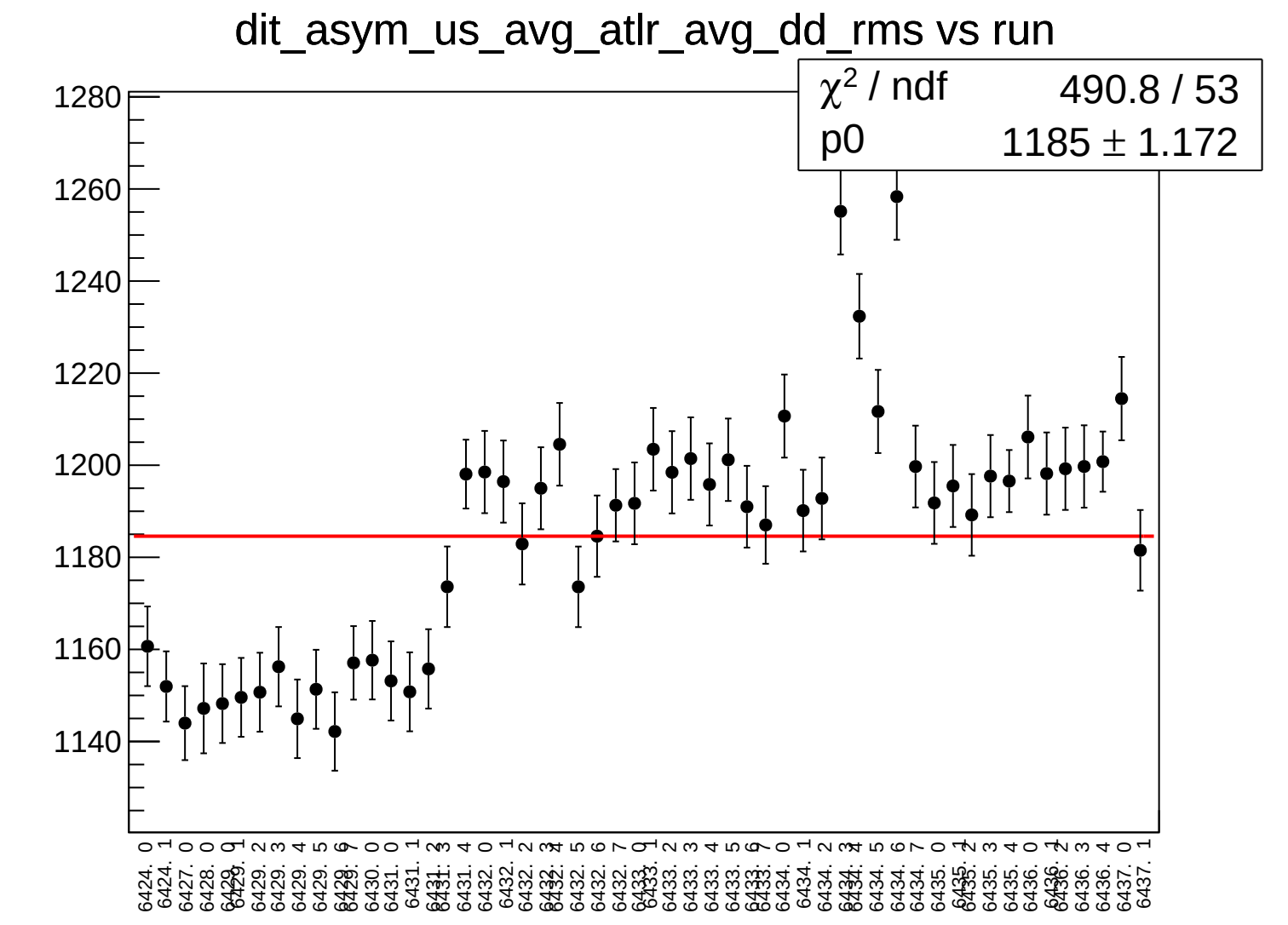
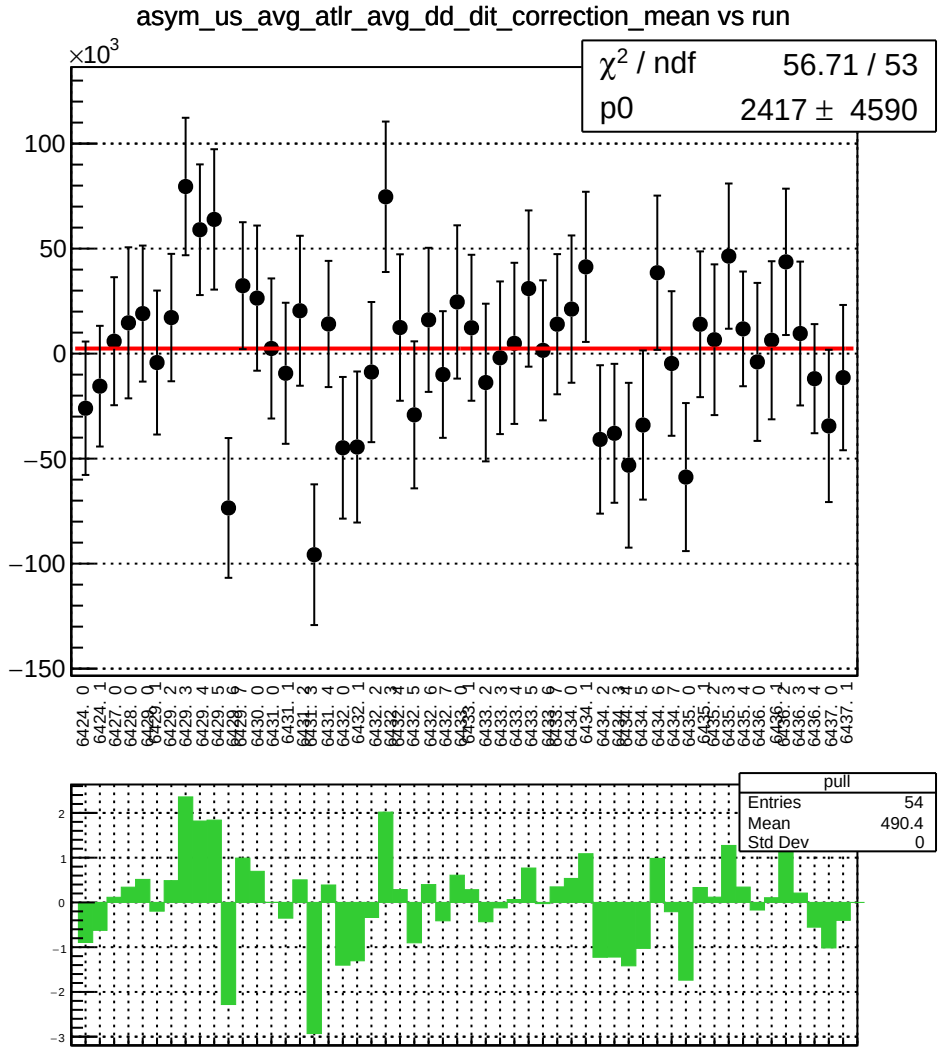
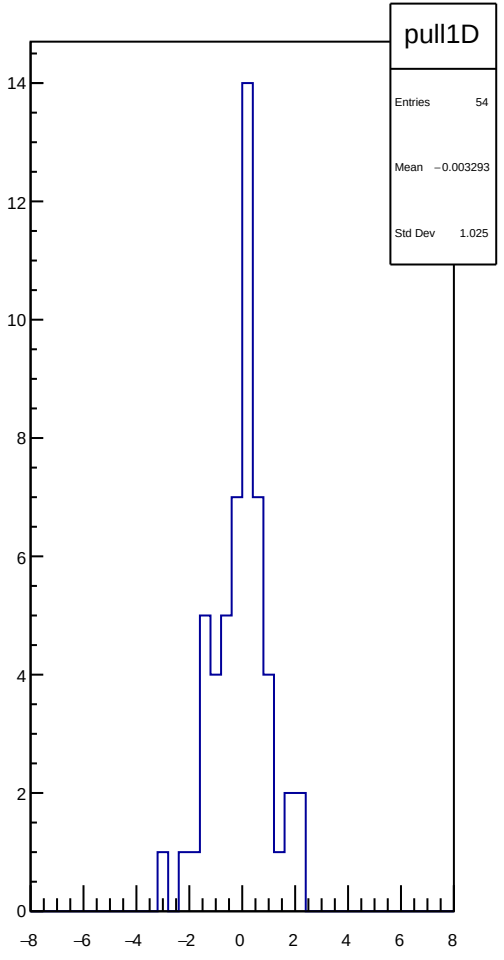
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

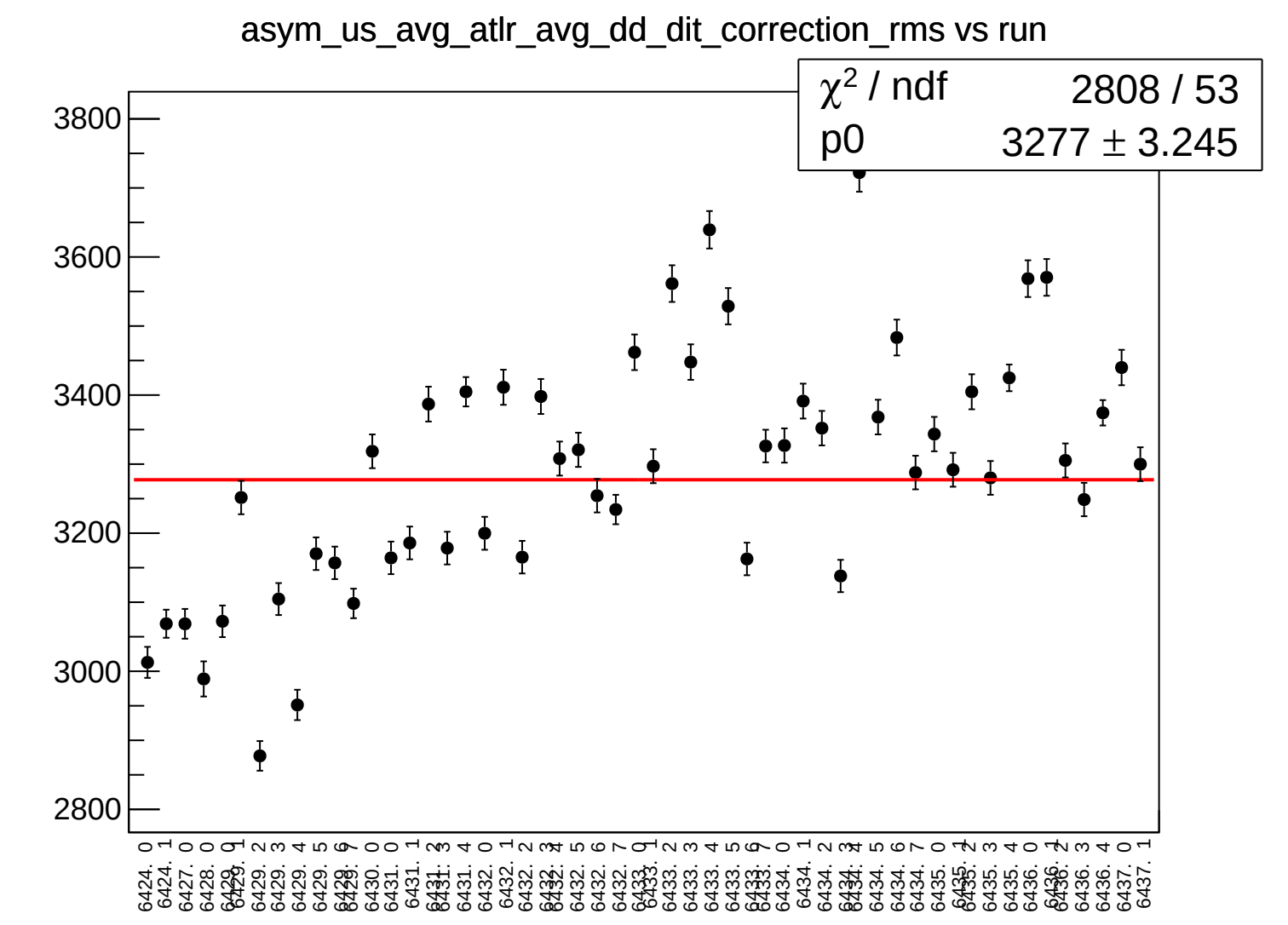

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 56.17 / 53
p0 970 ± 1657
pull
Entries 54
Mean −188.5
Std Dev 0

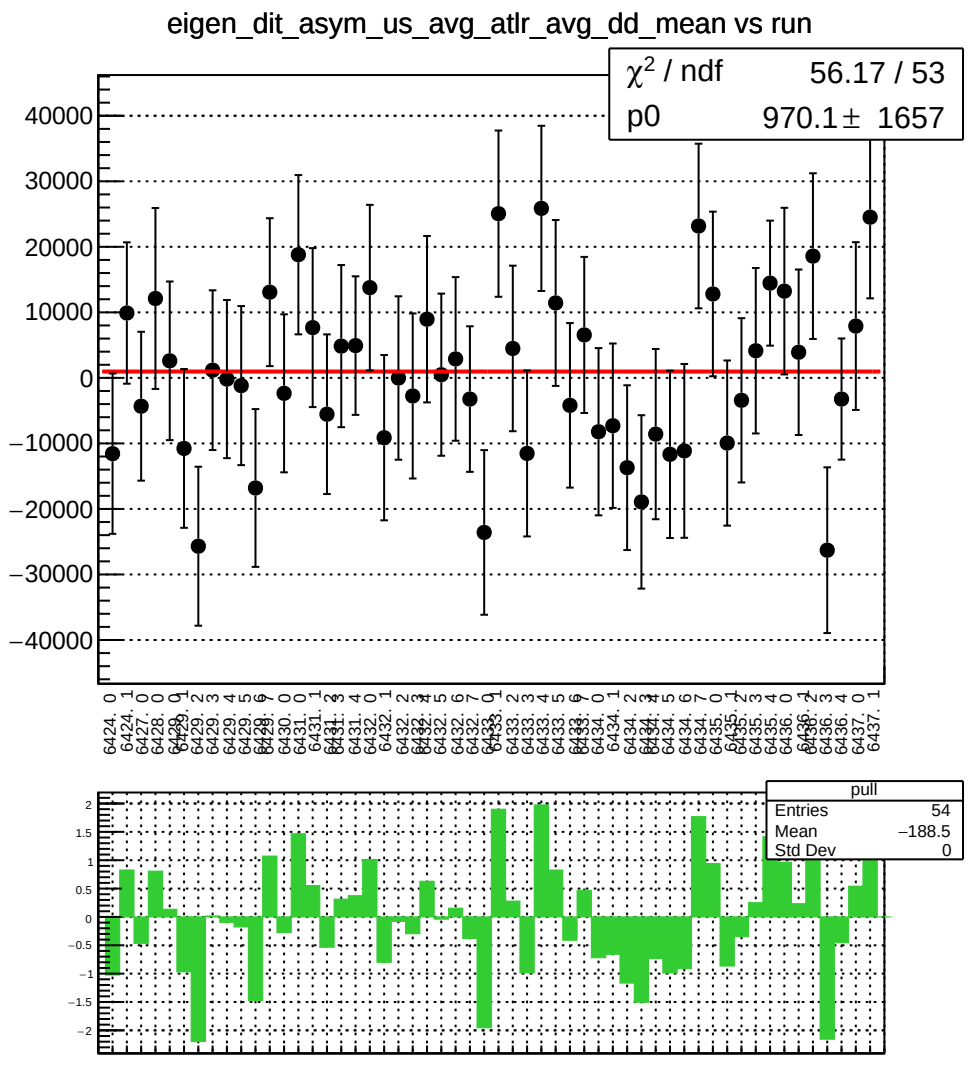

pull1D
Entries 54
Mean −0.008428
Std Dev 1.02

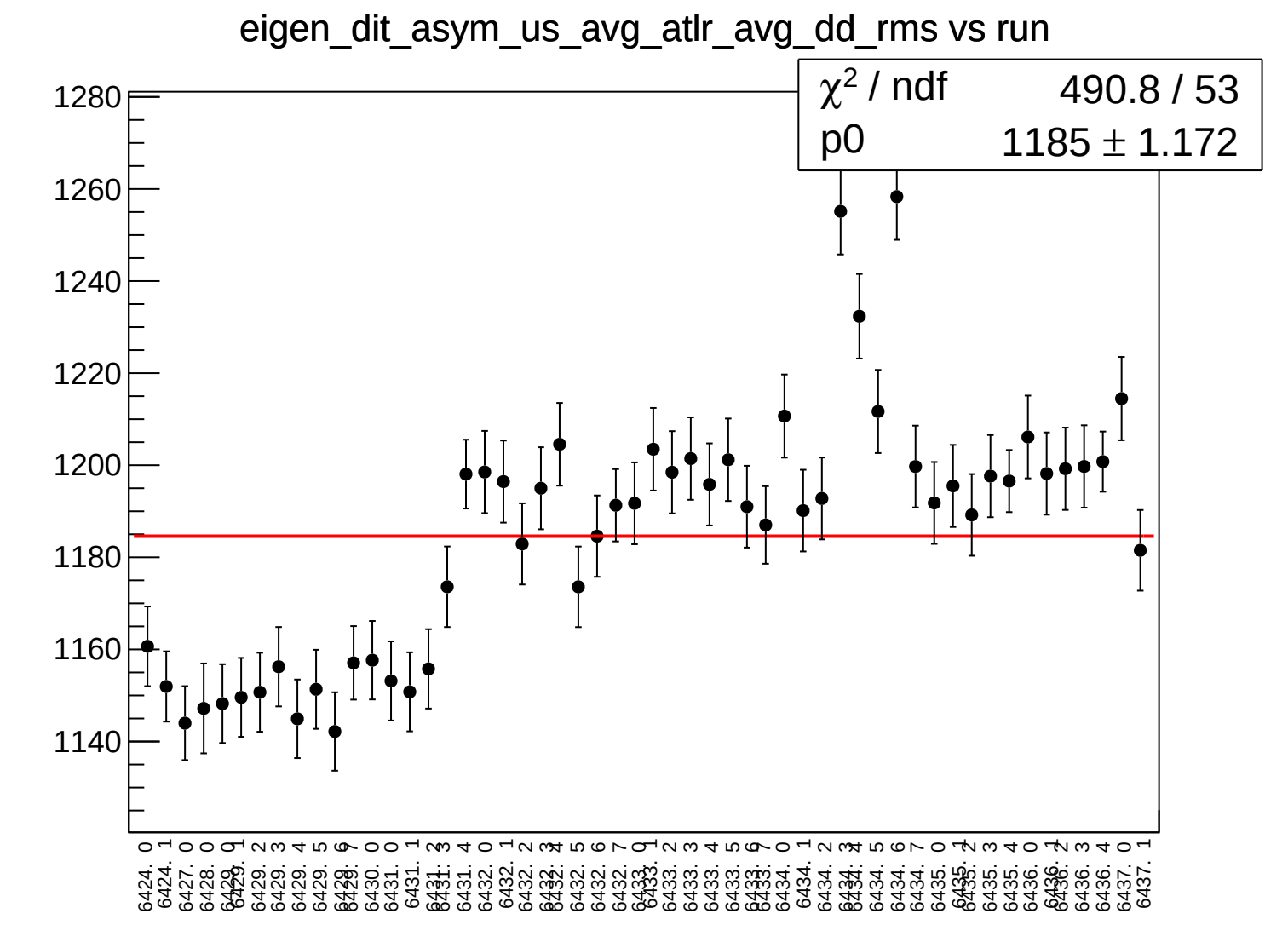

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 490.8 / 53
p0 1185 ± 1.172
1280
1260
1240
1220
1200
1180
1160
1140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

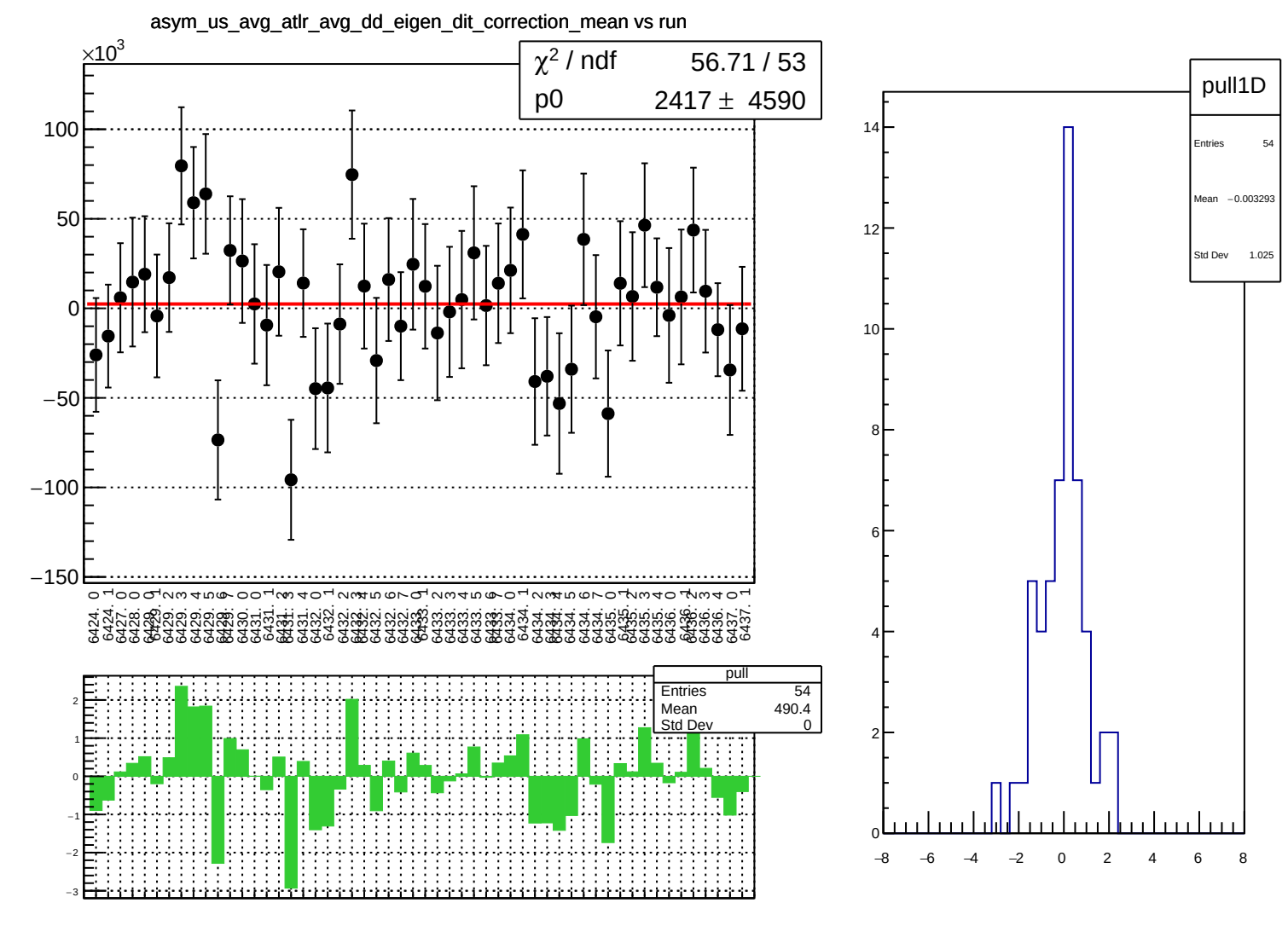

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 56.71 / 53
p0 2417 ± 4590
pull
Entries 54
Mean 490.4
Std Dev 0

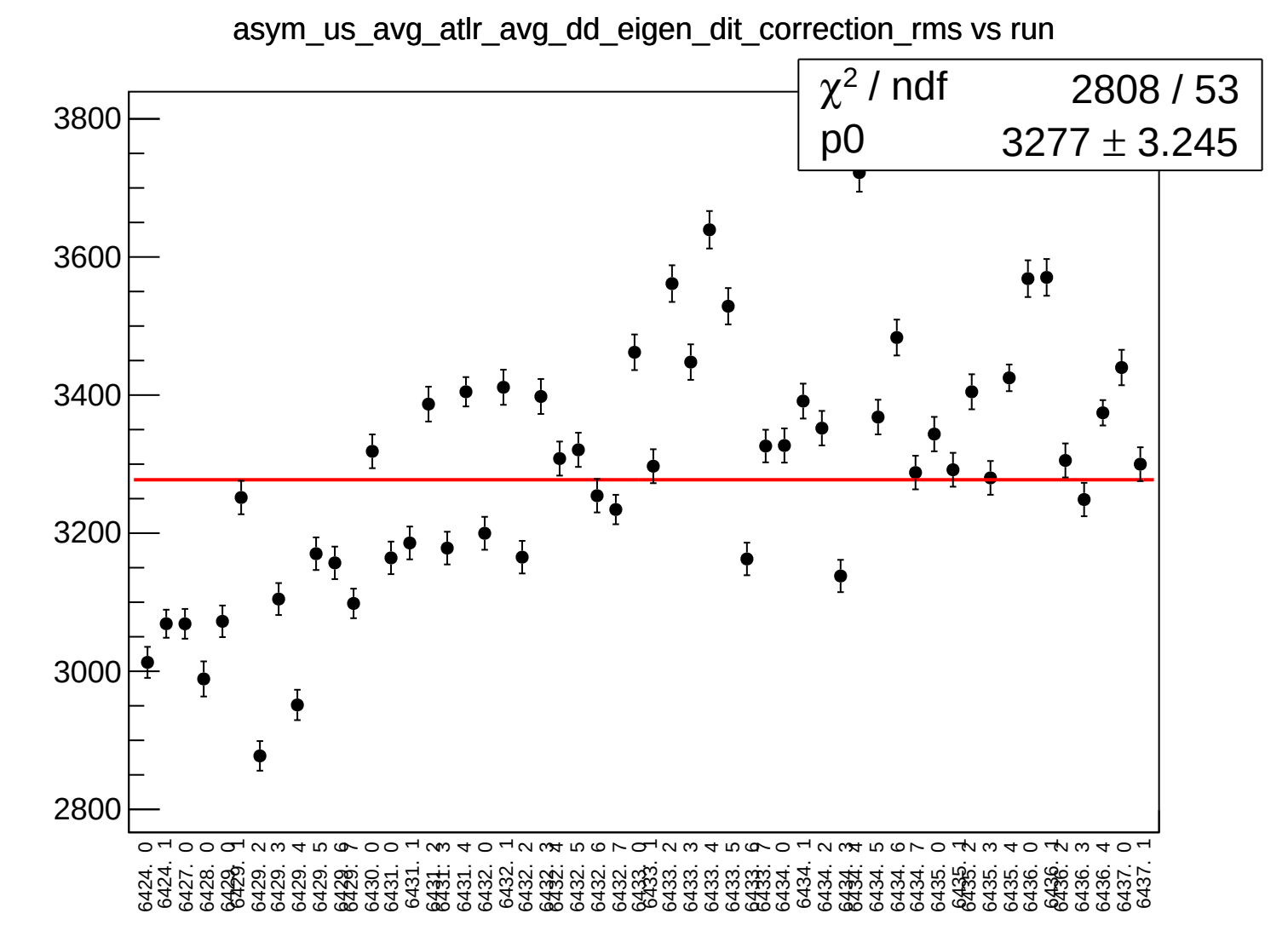

pull1D
Entries 54
Mean −0.003293
Std Dev 1.025

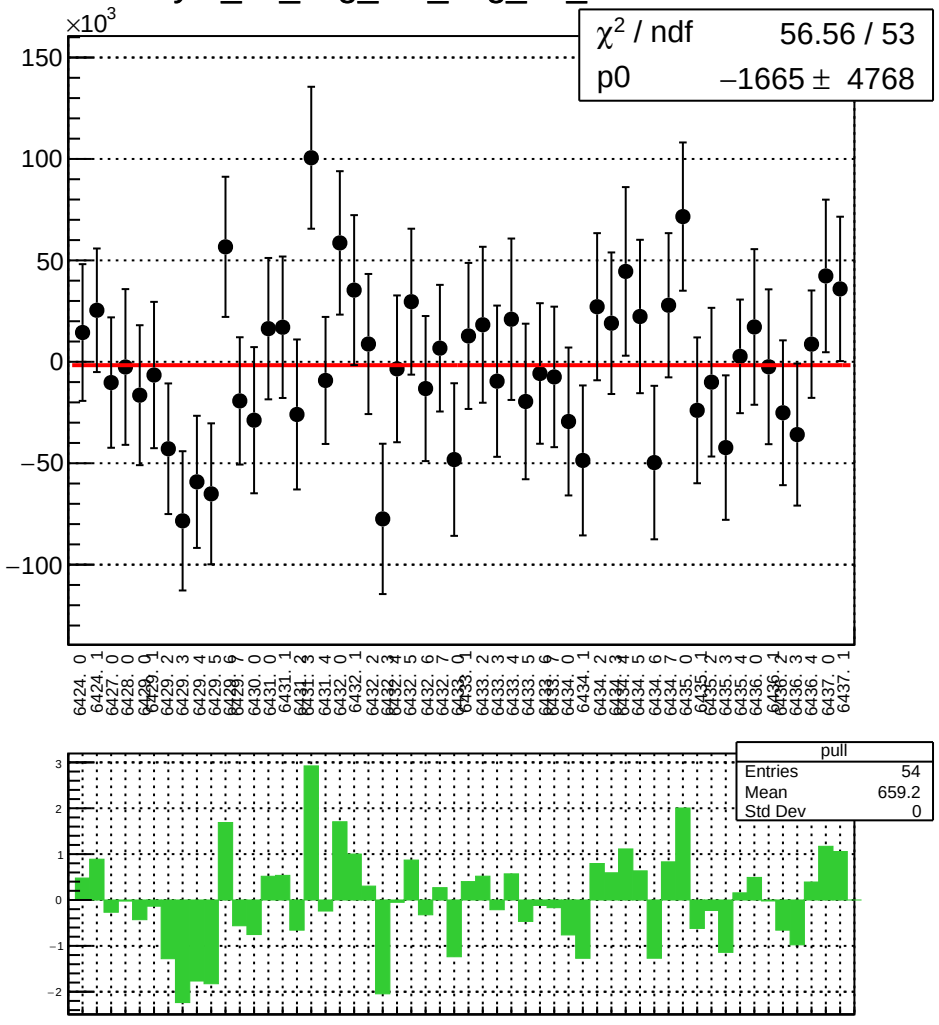

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2808 / 53
p0 3277 ± 3.245
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

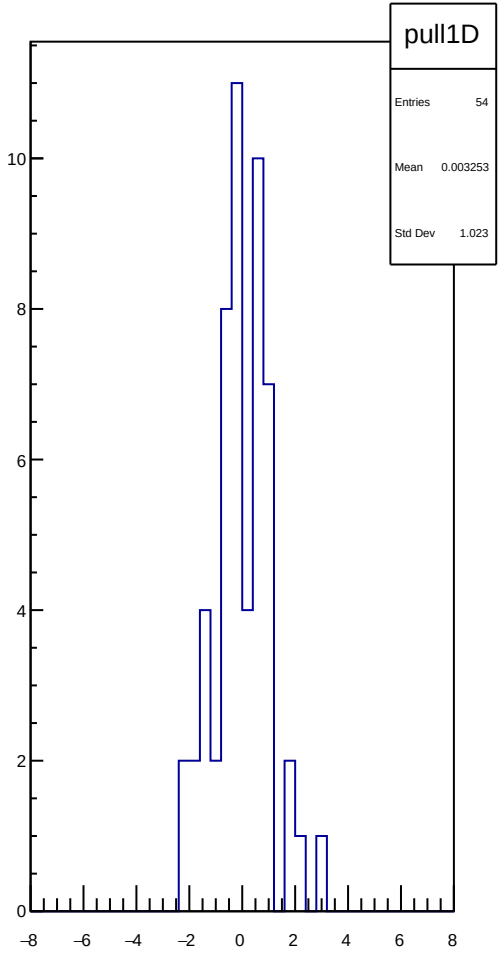

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 56.17 / 53
p0 970.1 ± 1657
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean −188.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.008428
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

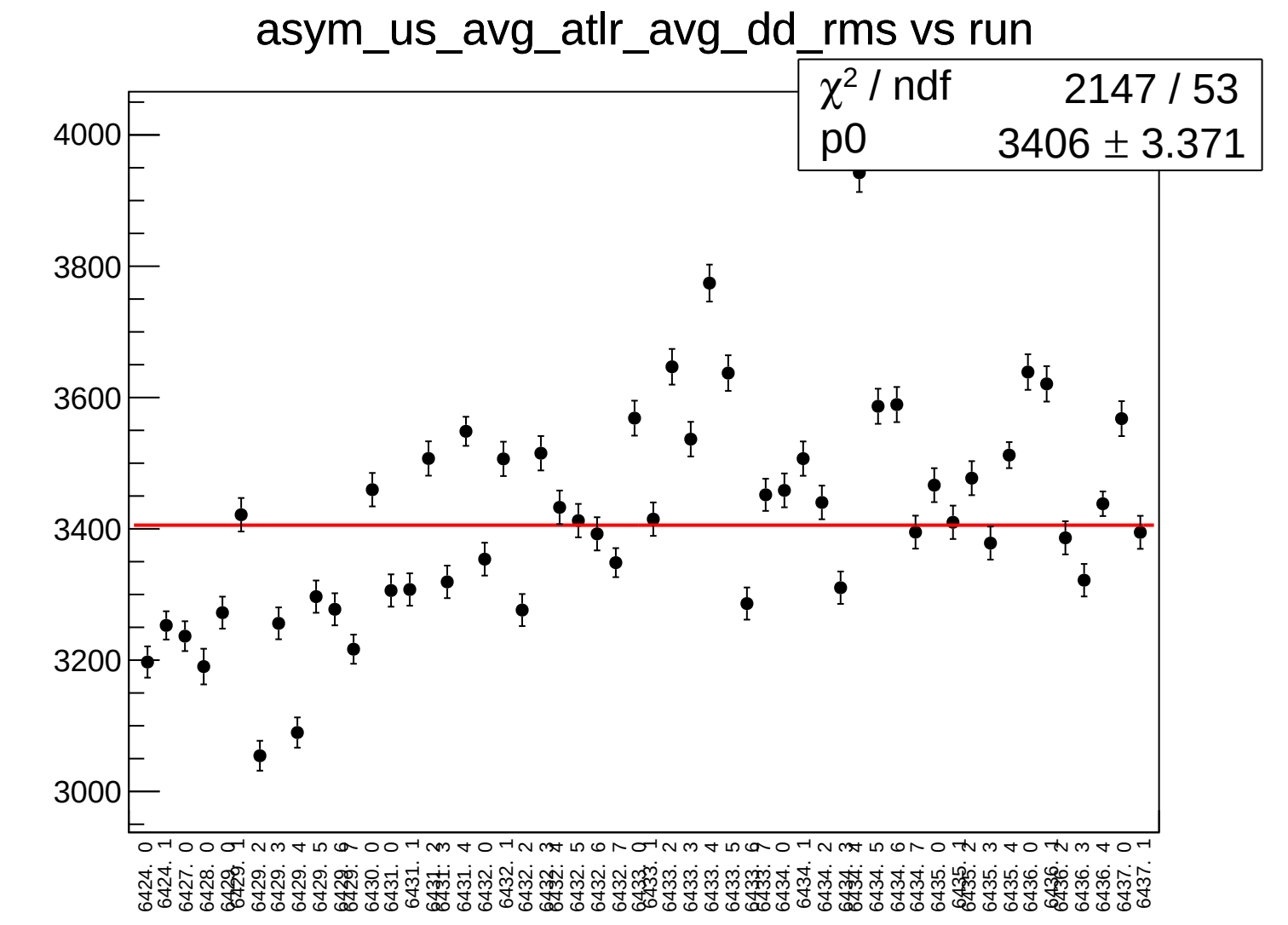

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 490.8 / 53
p0 1185 ± 1.172
1280
1260
1240
1220
1200
1180
1160
1140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

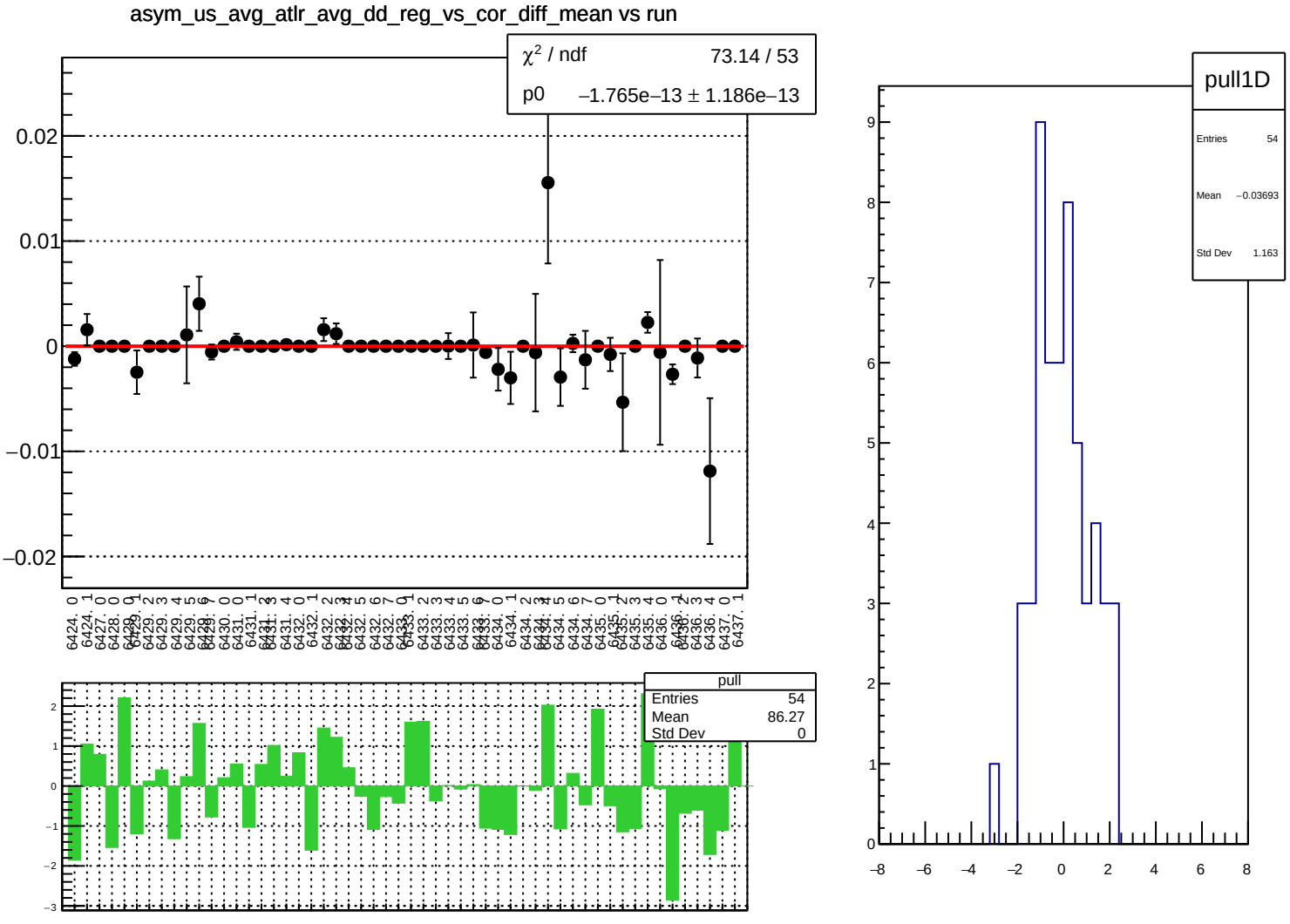

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 56.71 / 53
p0 2417 ± 4590
100
50
0
−50
−100
−150
pull
Entries 54
Mean 490.4
Std Dev 0
pull1D
Entries 54
Mean −0.003293
Std Dev 1.025

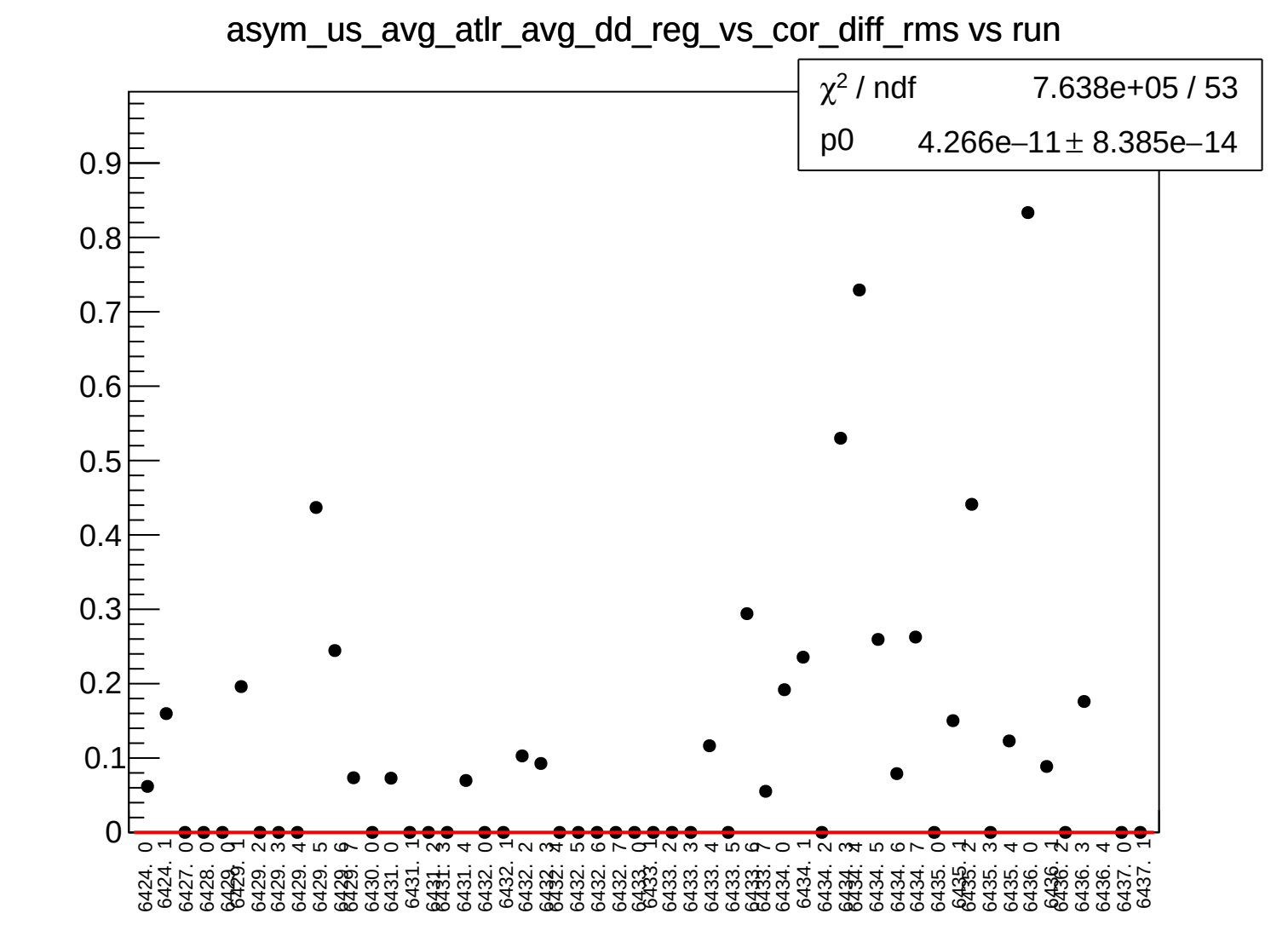

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2808 / 53
p0 3277 ± 3.245
3800
3600
3400
3200
3000
2800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

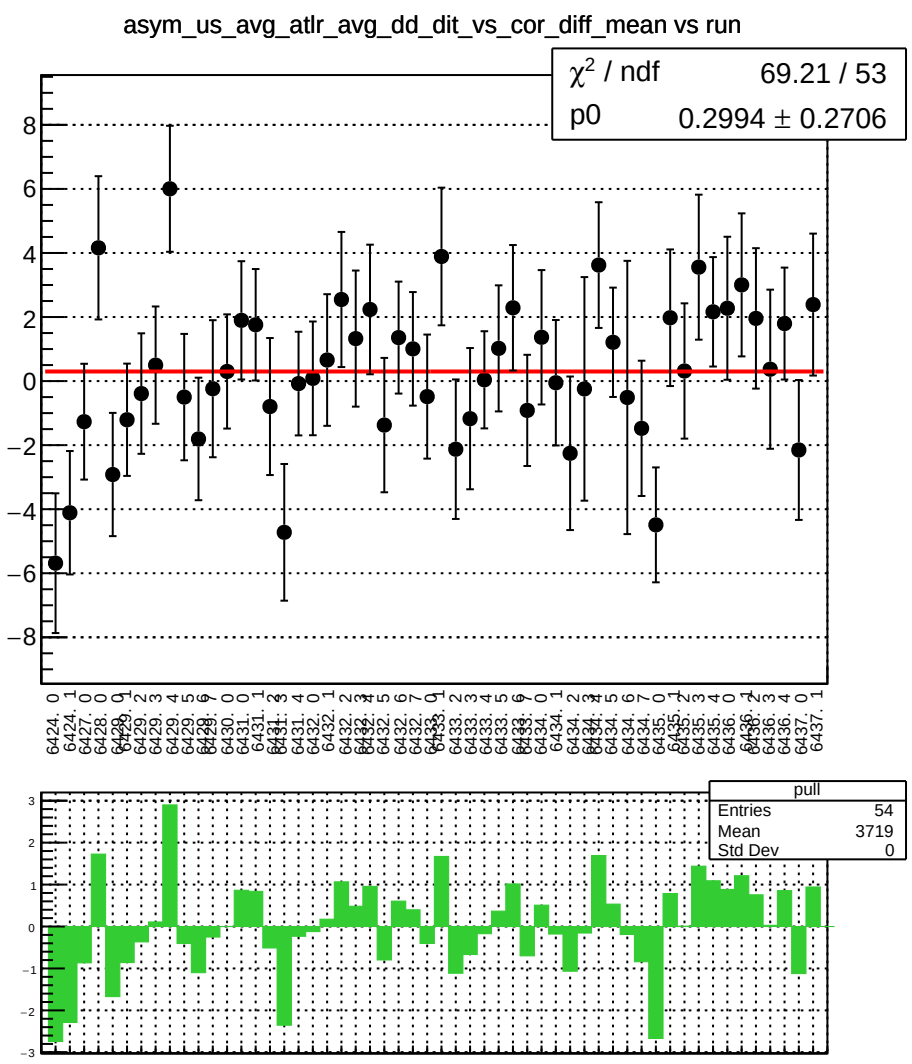

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 56.56 / 53
p0 −1665 ± 4768
150
100
50
0
−50
−100
pull
Entries 54
Mean 659.2
Std Dev 0
3
2
1
0
−1
−2

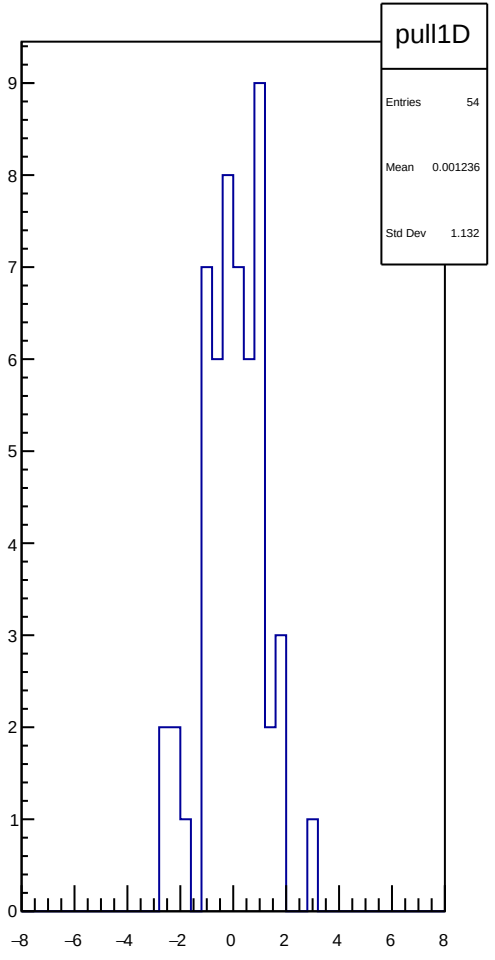

pull1D
Entries 54
Mean 0.003253
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

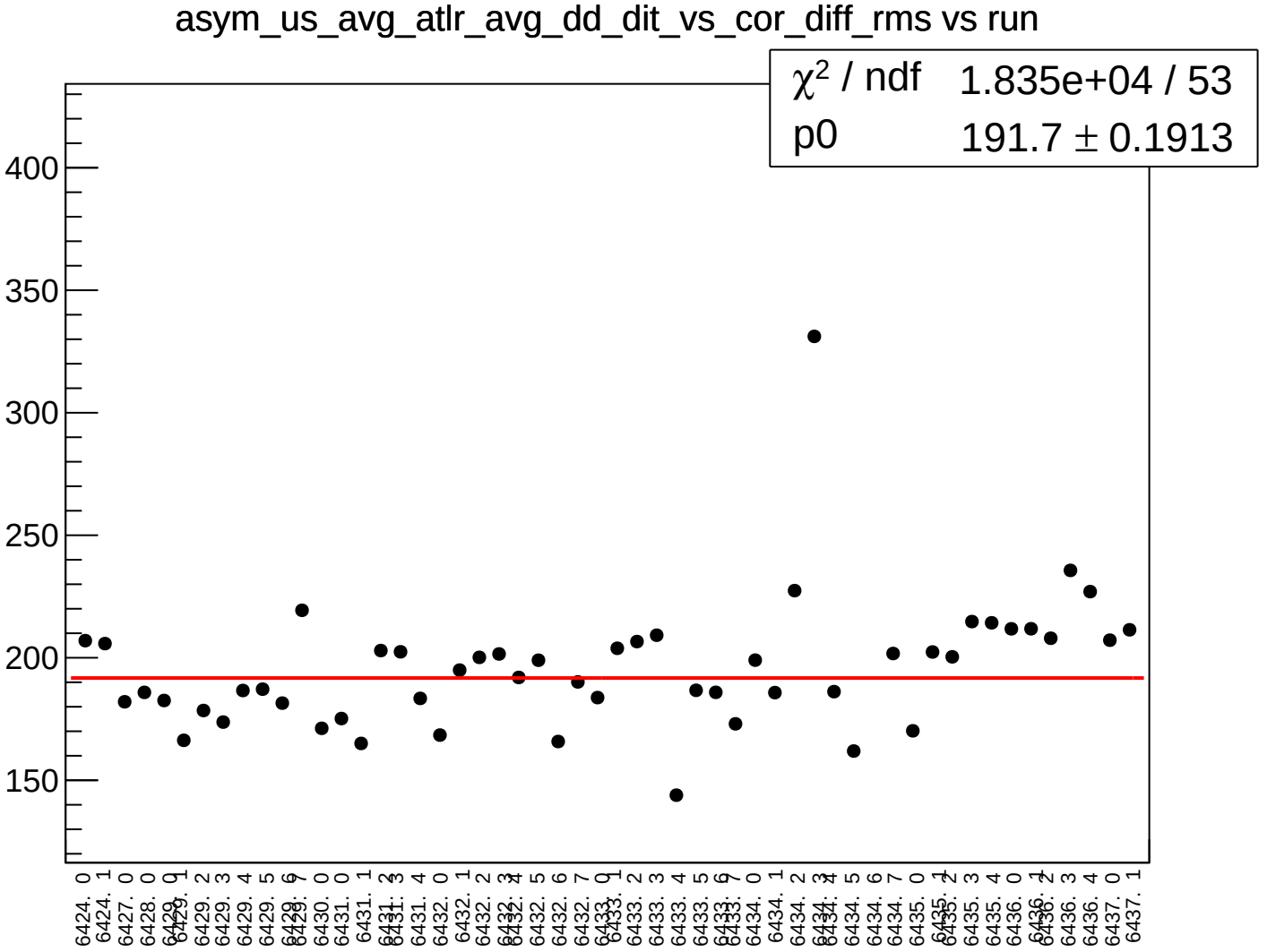

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2147 / 53
p0 3406 ± 3.371
4000
3800
3600
3400
3200
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

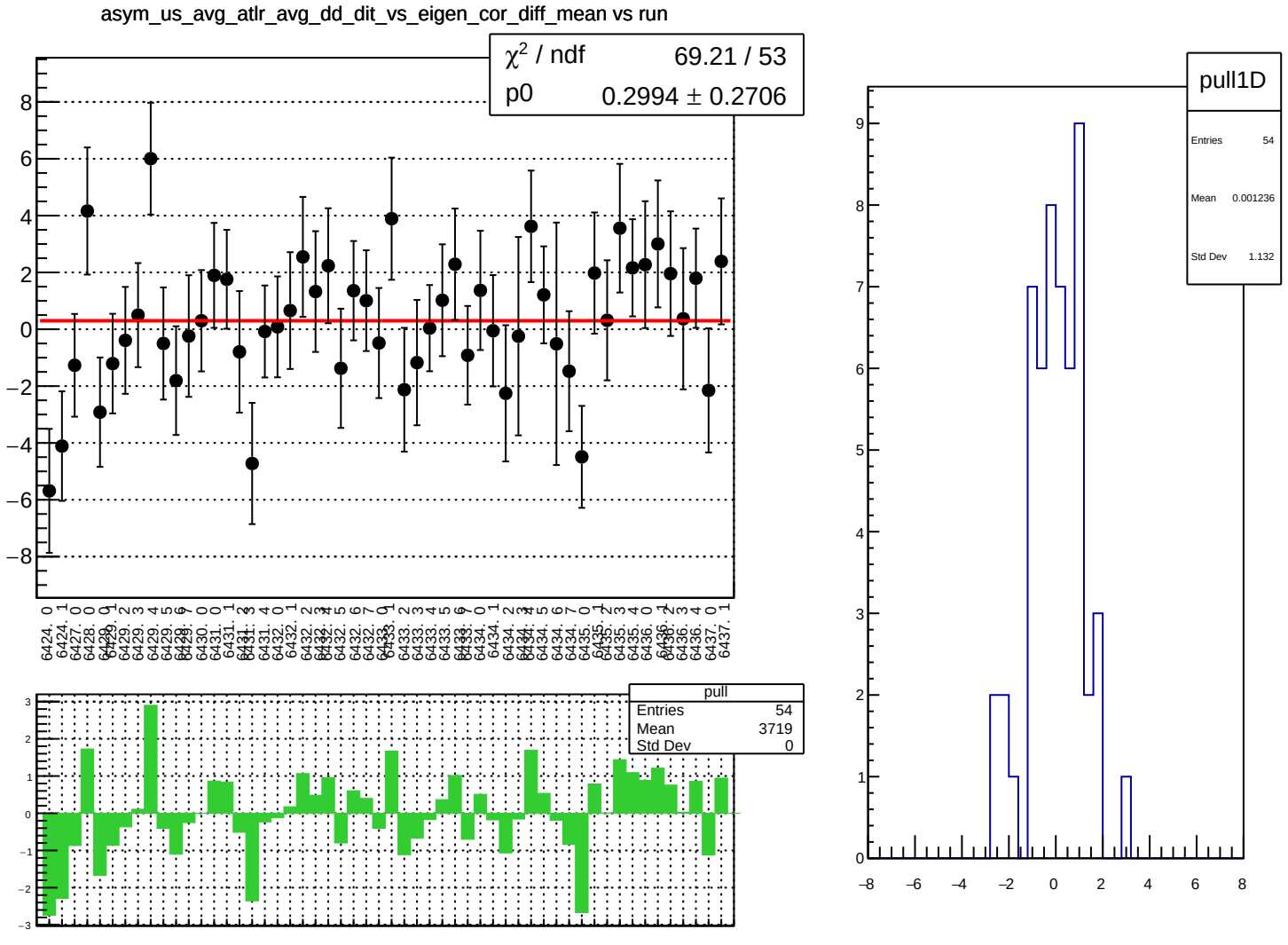

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 73.14 / 53
p0 −1.765e−13 ± 1.186e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 86.27
Std Dev 0
pull1D
Entries 54
Mean −0.03693
Std Dev 1.163

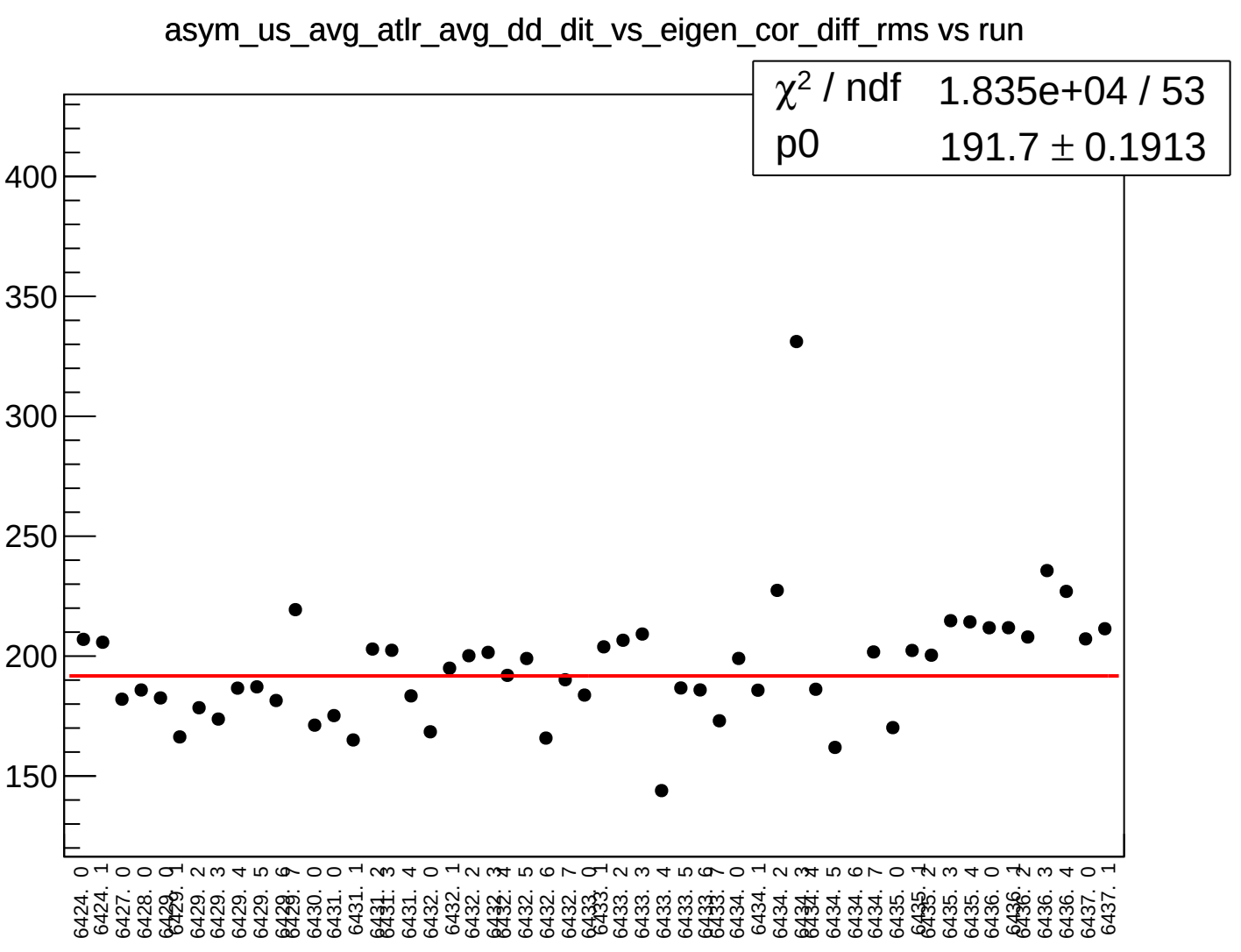

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.638e+05 / 53
p0 4.266e−11 ± 8.385e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

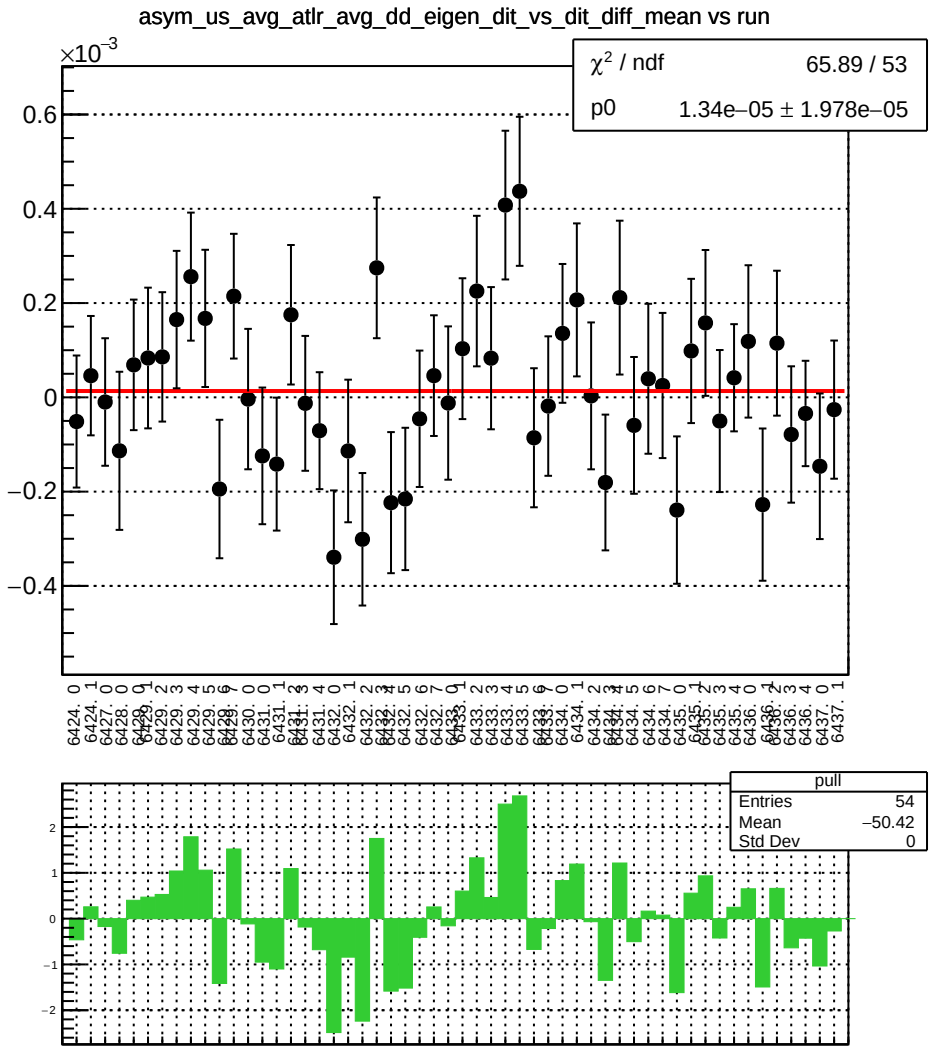

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.21 / 53
p0 0.2994 ± 0.2706
pull
Entries 54
Mean 3719
Std Dev 0

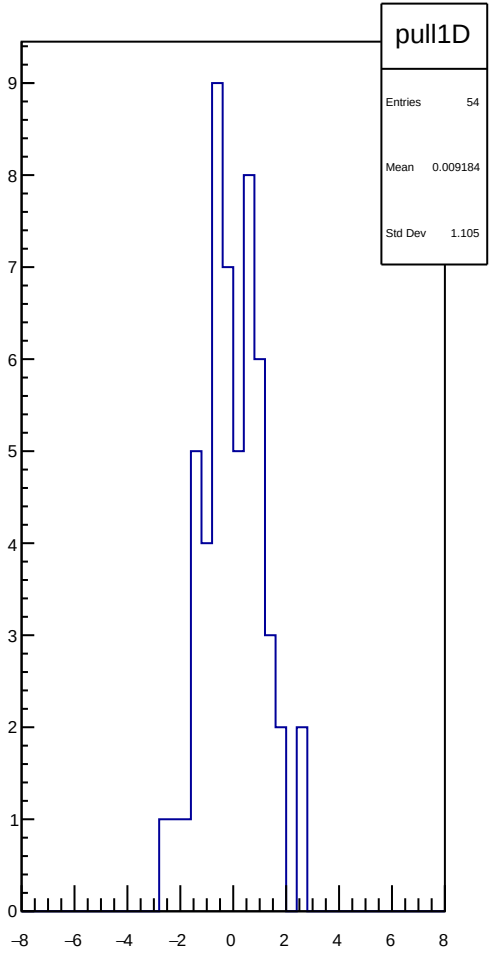

pull1D
Entries 54
Mean 0.001236
Std Dev 1.132

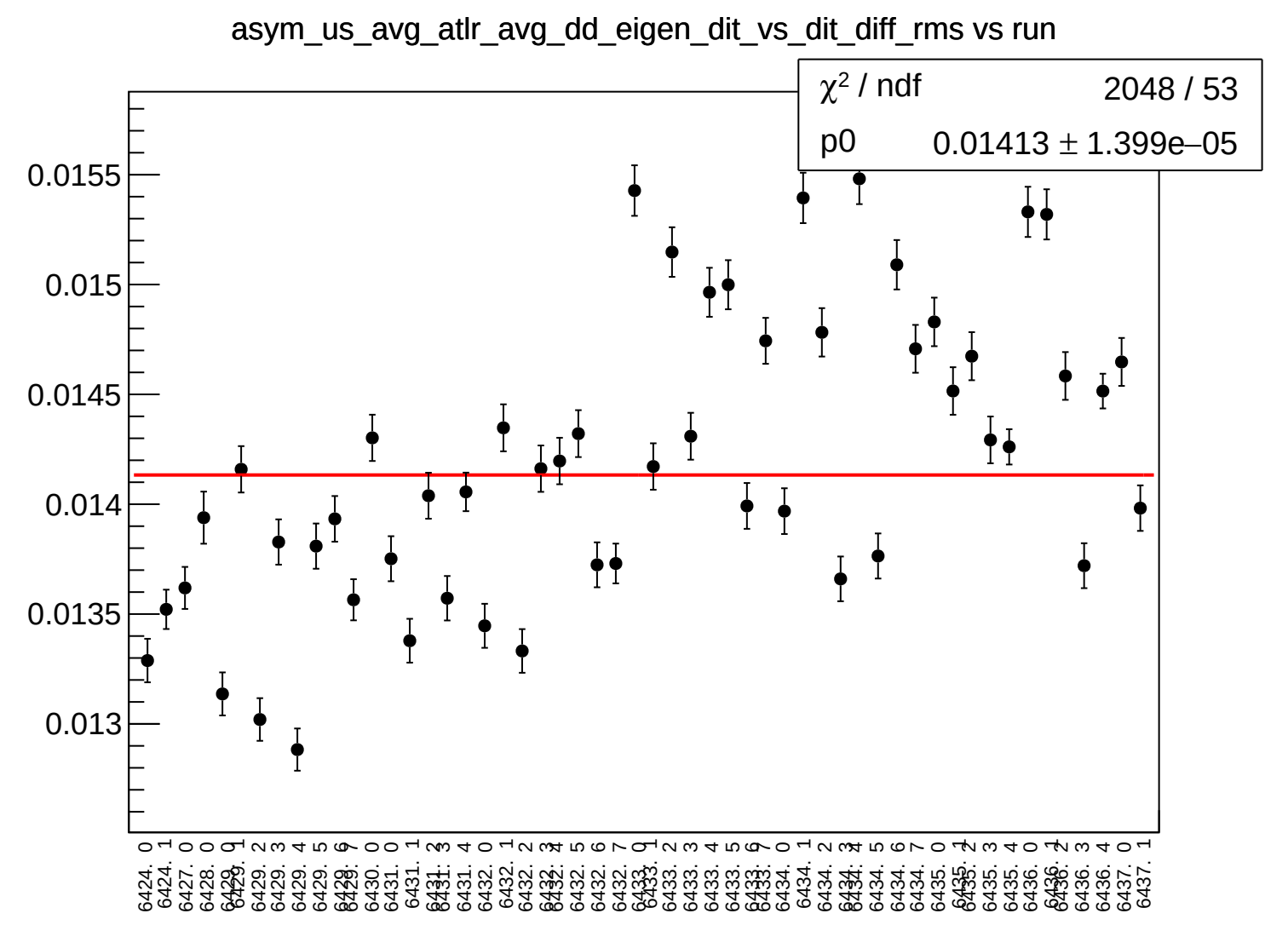

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.835e+04 / 53
p0 191.7 ± 0.1913
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

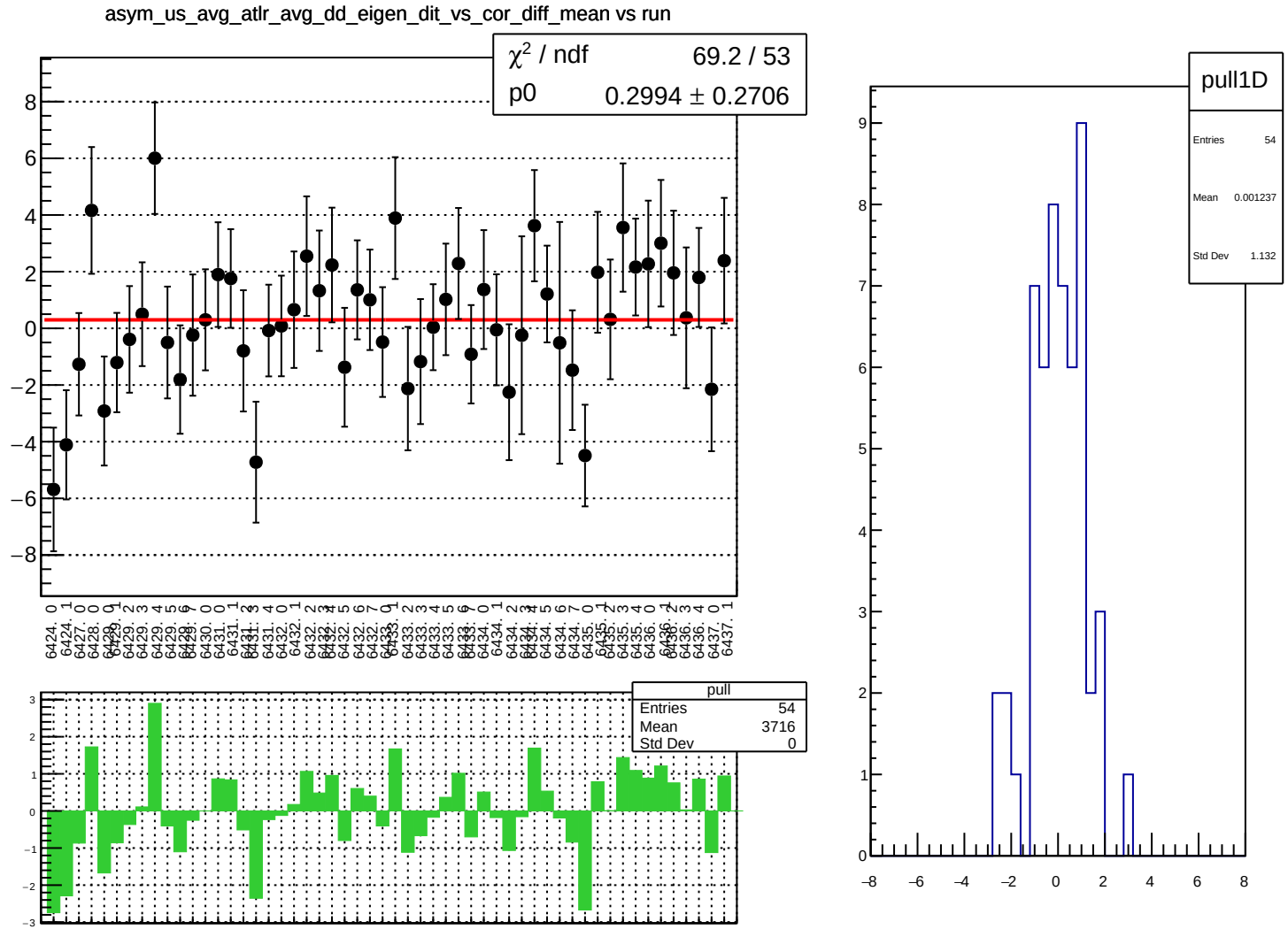

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.21 / 53
p0 0.2994 ± 0.2706
pull
Entries 54
Mean 3719
Std Dev 0
pull1D
Entries 54
Mean 0.001236
Std Dev 1.132

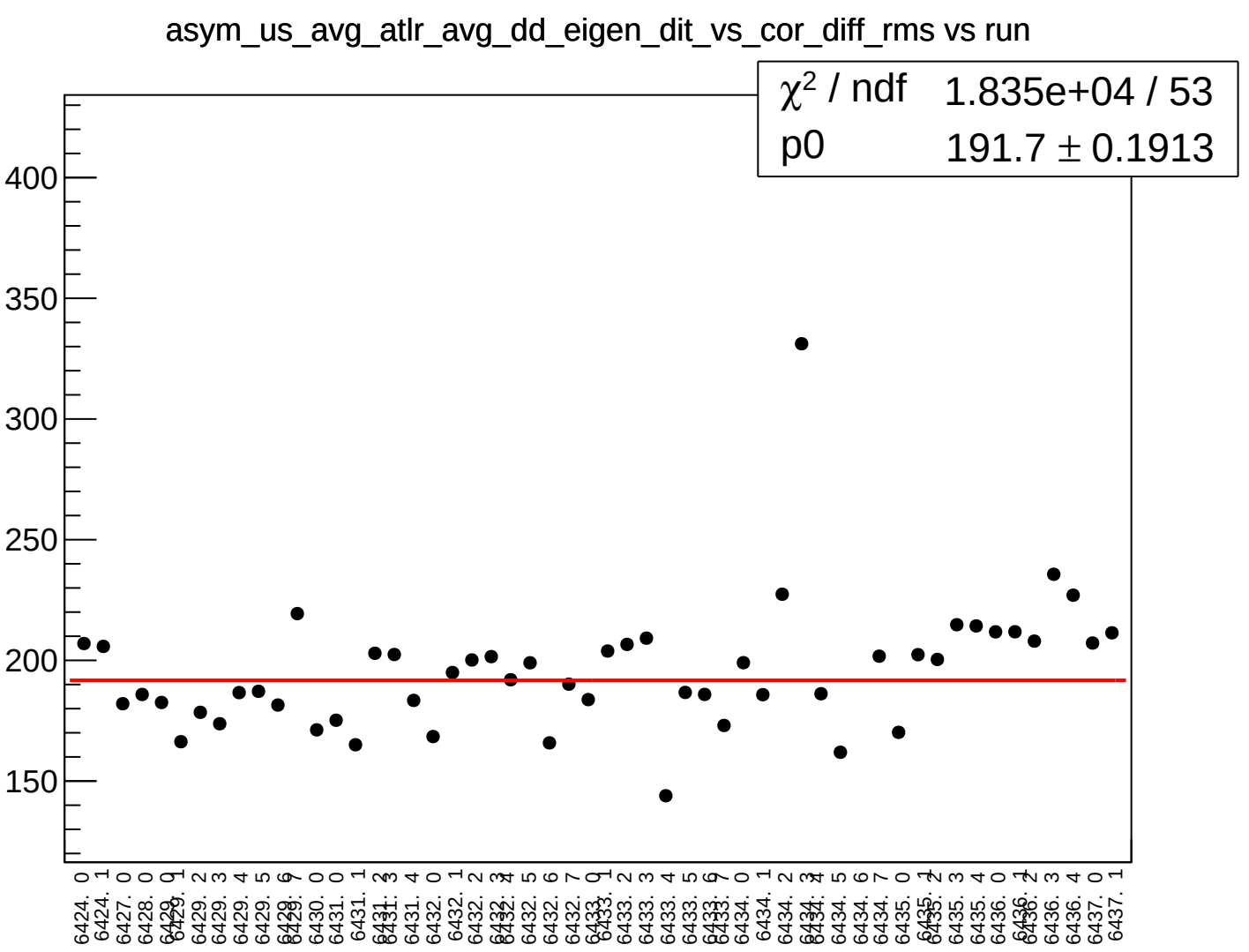

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.835e+04 / 53
p0 191.7 ± 0.1913
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

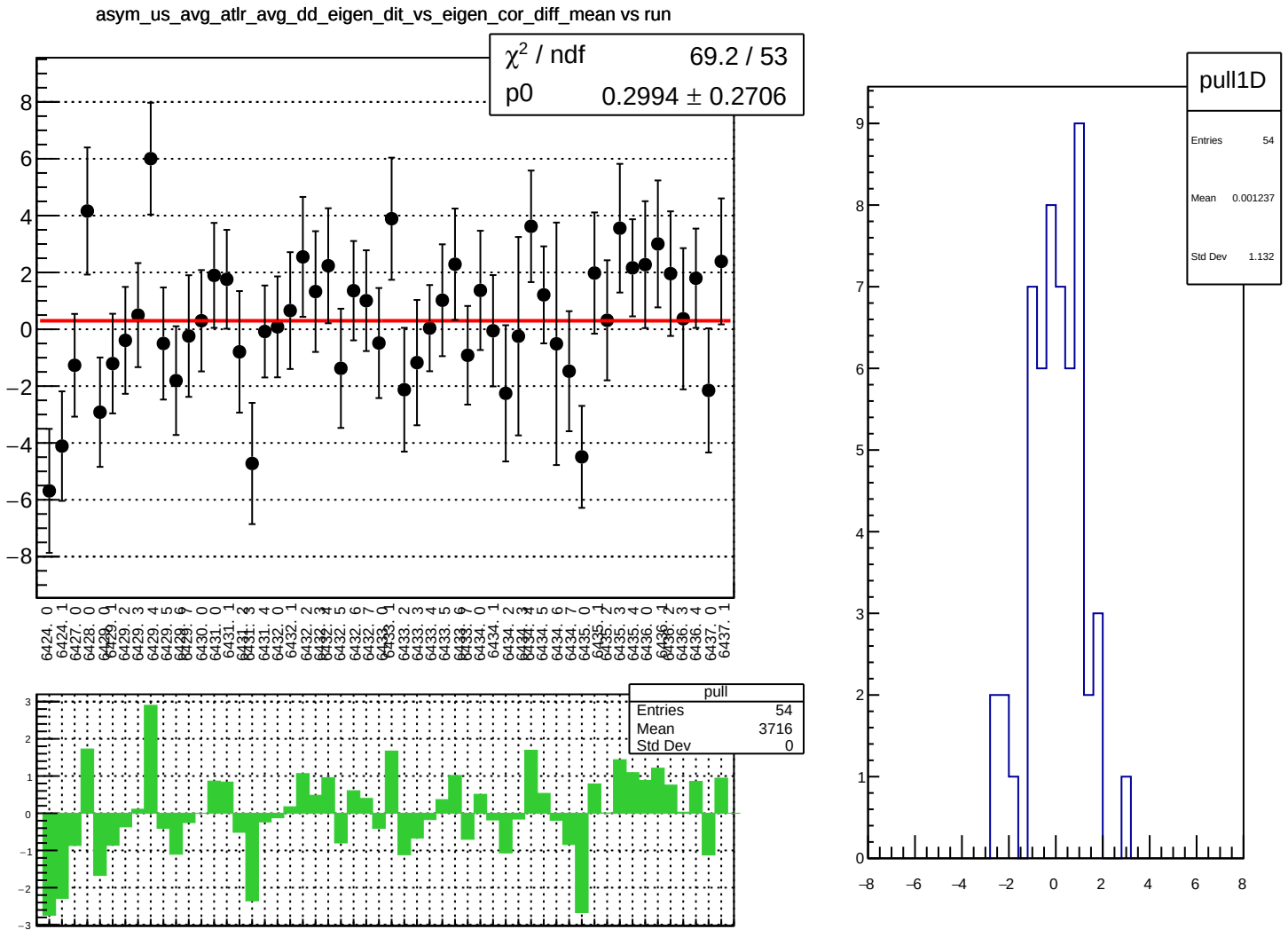

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.89 / 53
p0 1.34e−05 ± 1.978e−05
pull
Entries 54
Mean −50.42
Std Dev 0

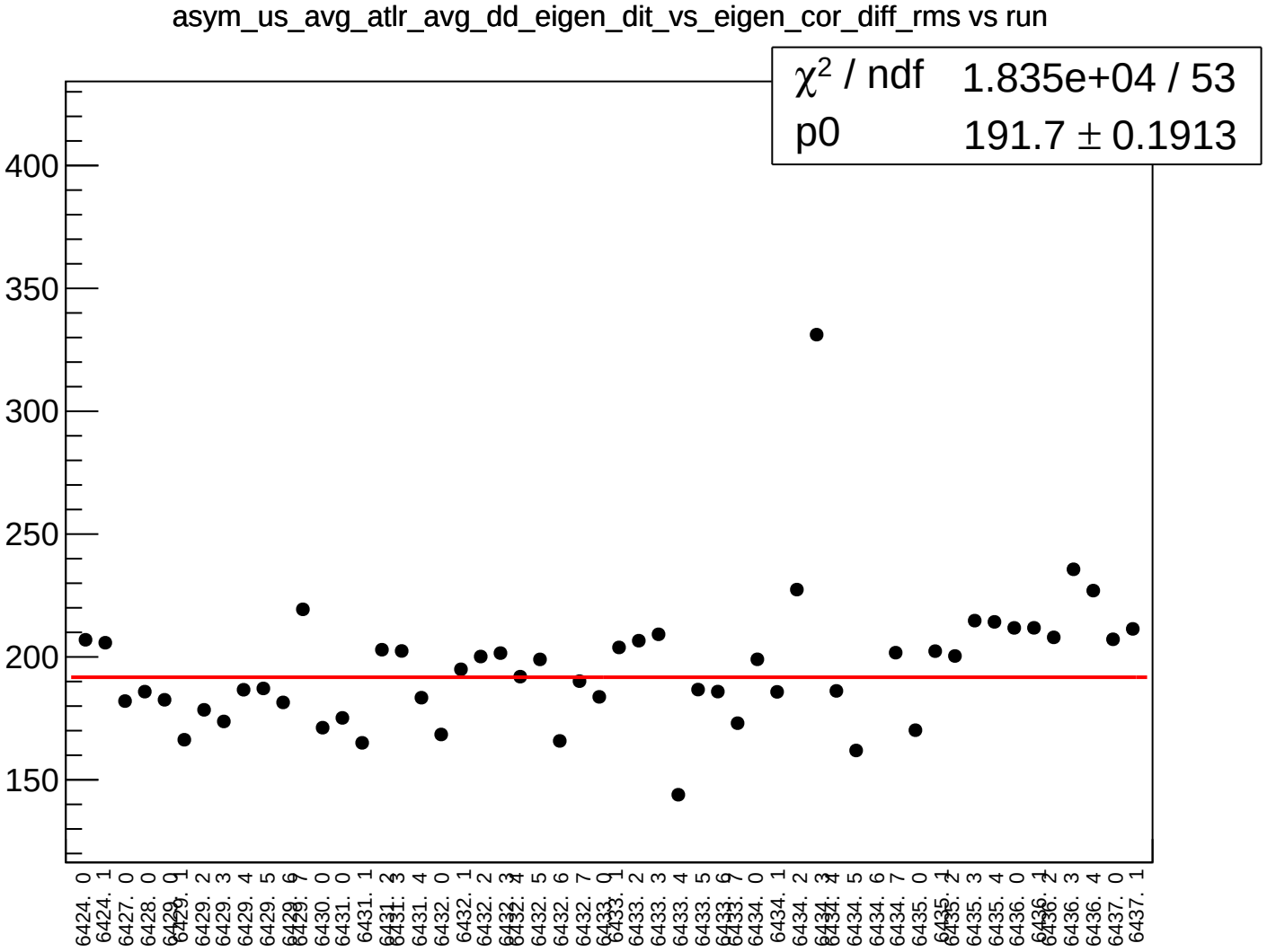

pull1D
Entries 54
Mean 0.009184
Std Dev 1.105

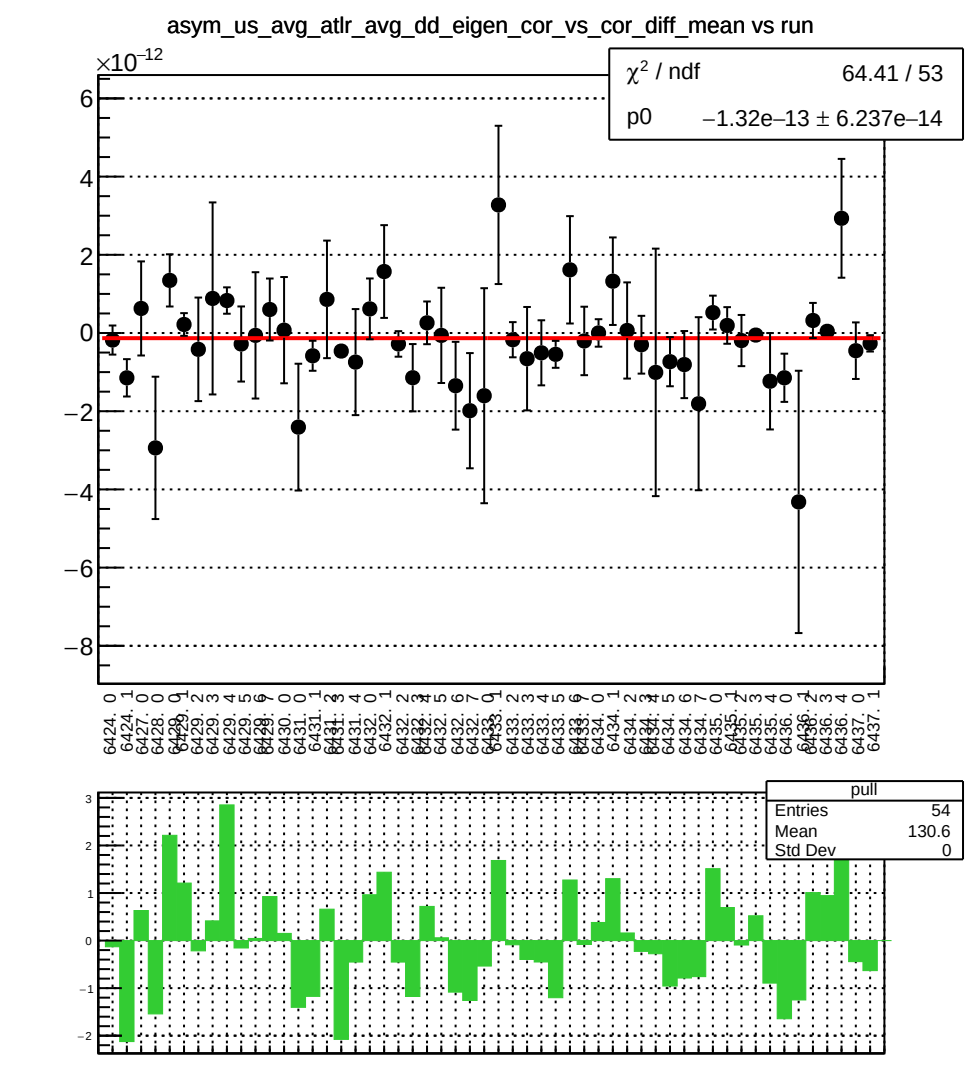

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2048 / 53
p0 0.01413 ± 1.399e−05
0.0155
0.015
0.0145
0.014
0.0135
0.013
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

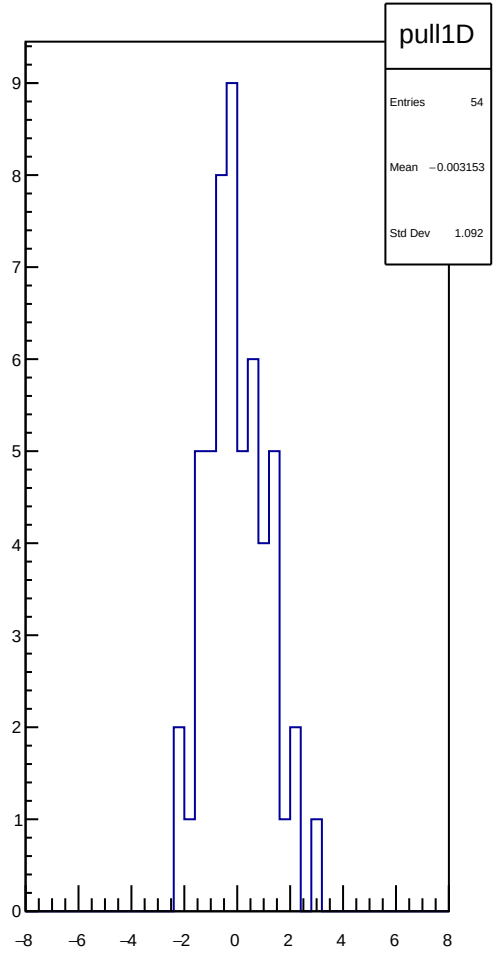

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2994 ± 0.2706
pull
Entries 54
Mean 3716
Std Dev 0
pull1D
Entries 54
Mean 0.001237
Std Dev 1.132

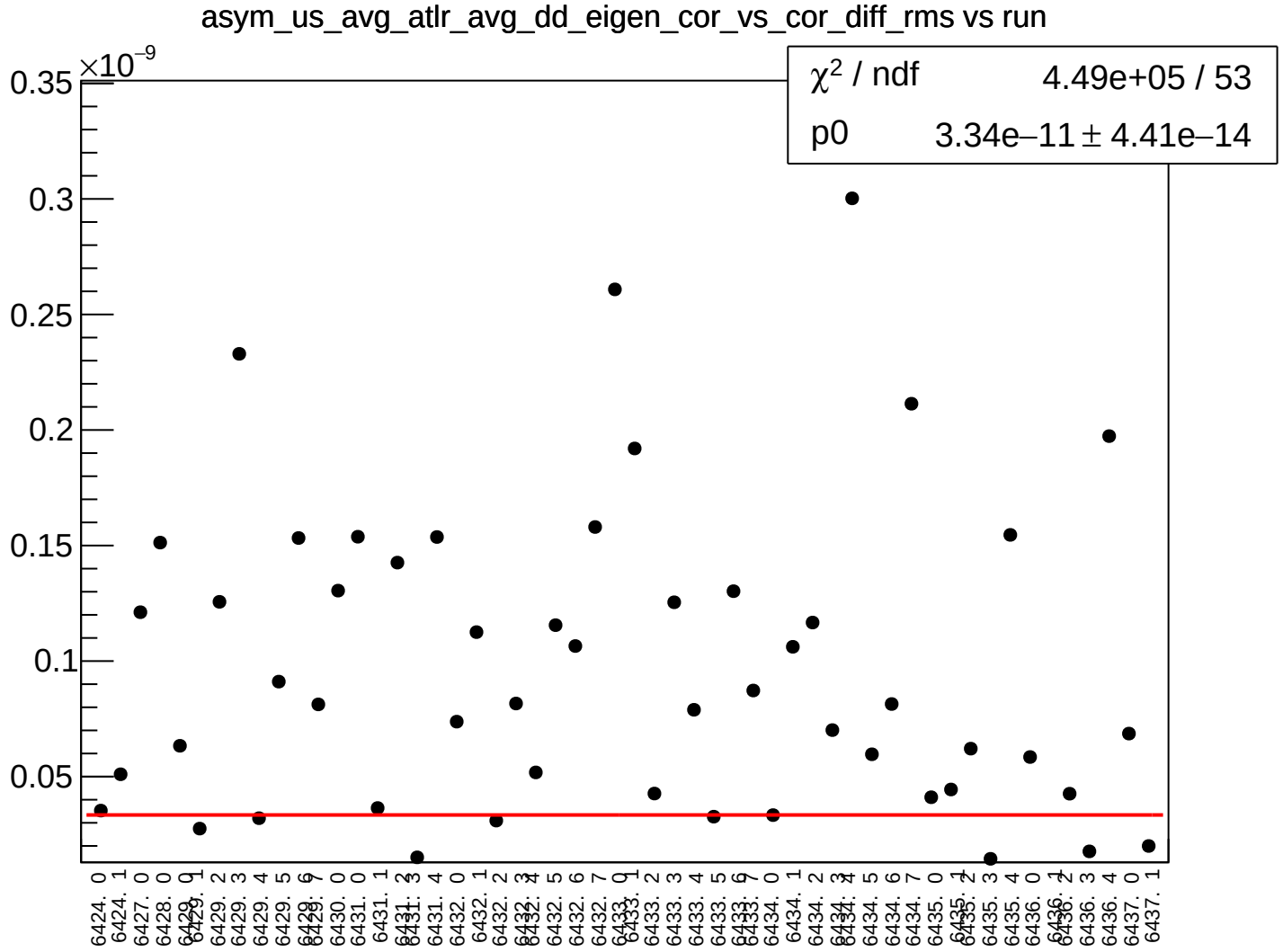

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.835e+04 / 53
p0 191.7 ± 0.1913
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

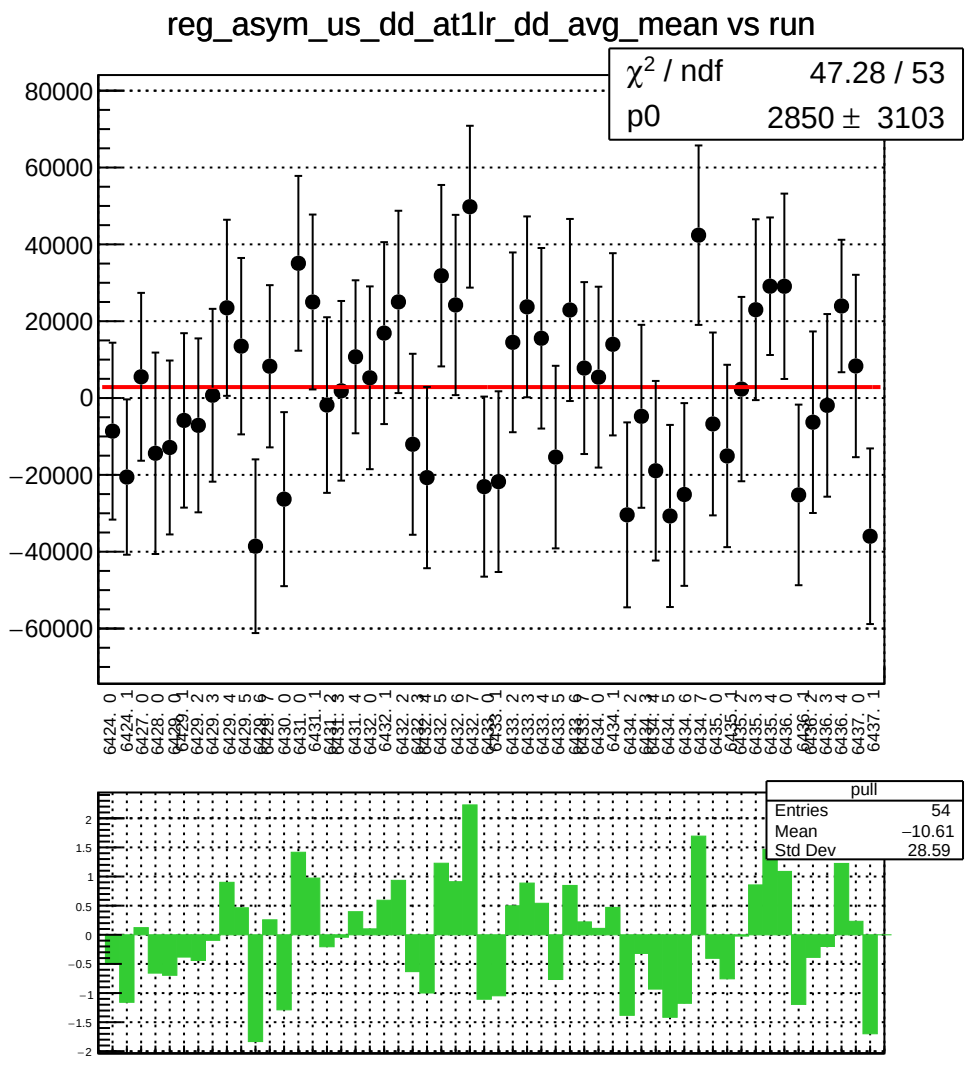

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.2 / 53
p0 0.2994 ± 0.2706
pull
Entries 54
Mean 3716
Std Dev 0
pull1D
Entries 54
Mean 0.001237
Std Dev 1.132

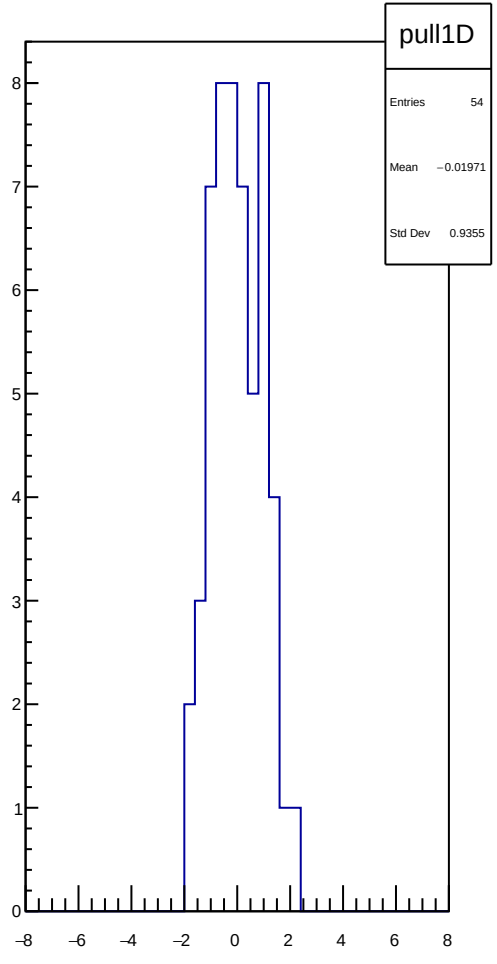

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.835e+04 / 53
p0 191.7 ± 0.1913
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

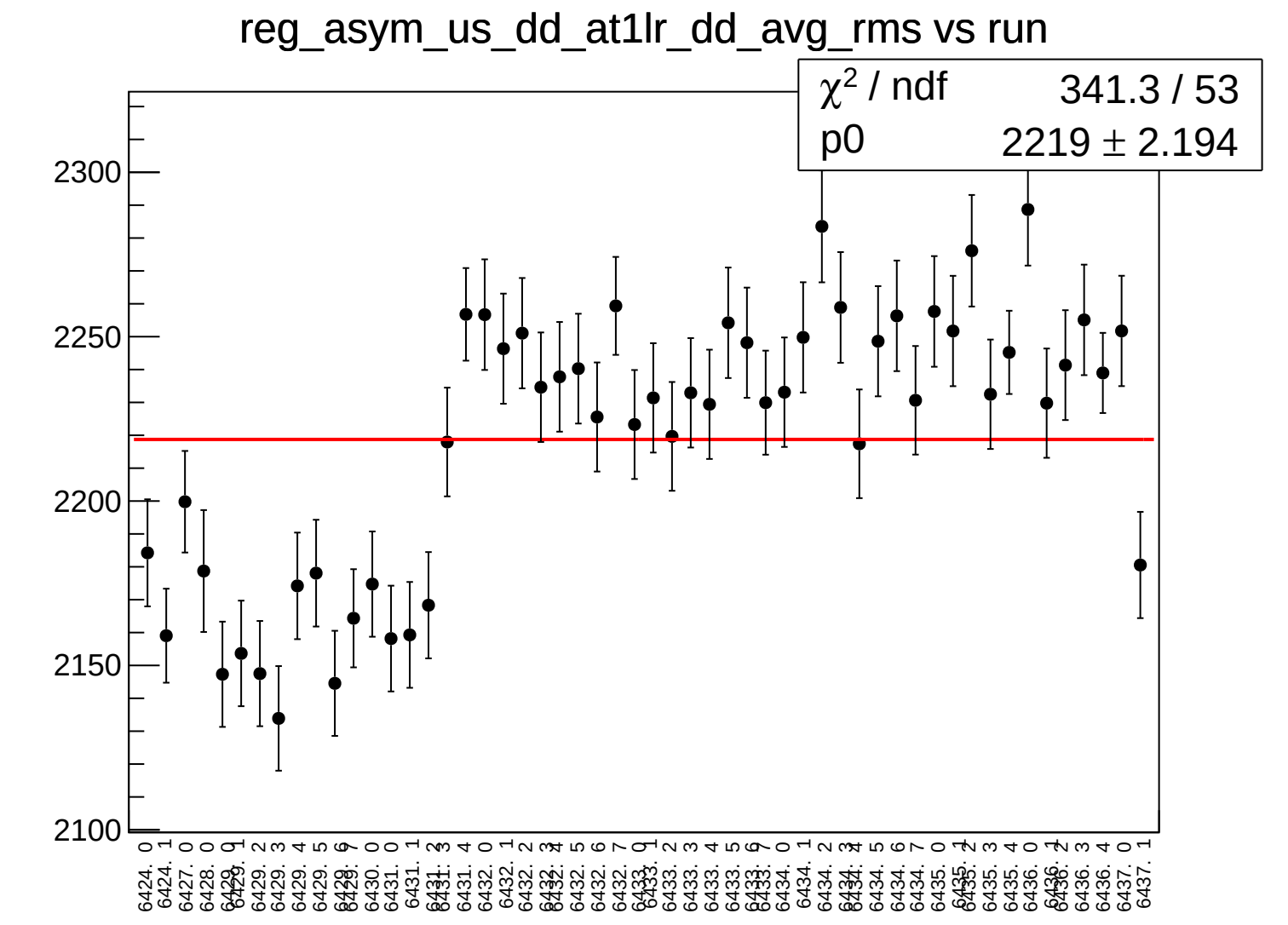

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.41 / 53
p0 −1.32e−13 ± 6.237e−14
pull
Entries 54
Mean 130.6
Std Dev 0

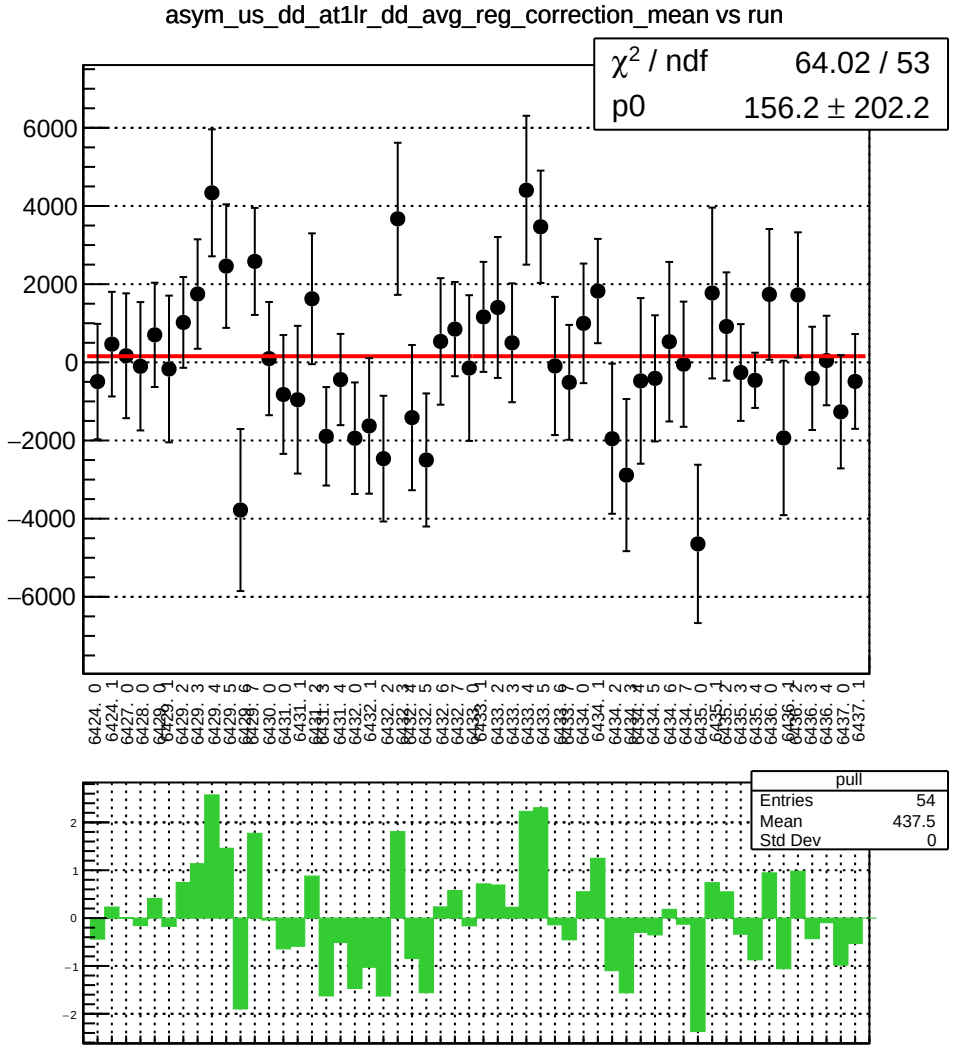

pull1D
Entries 54
Mean −0.003153
Std Dev 1.092

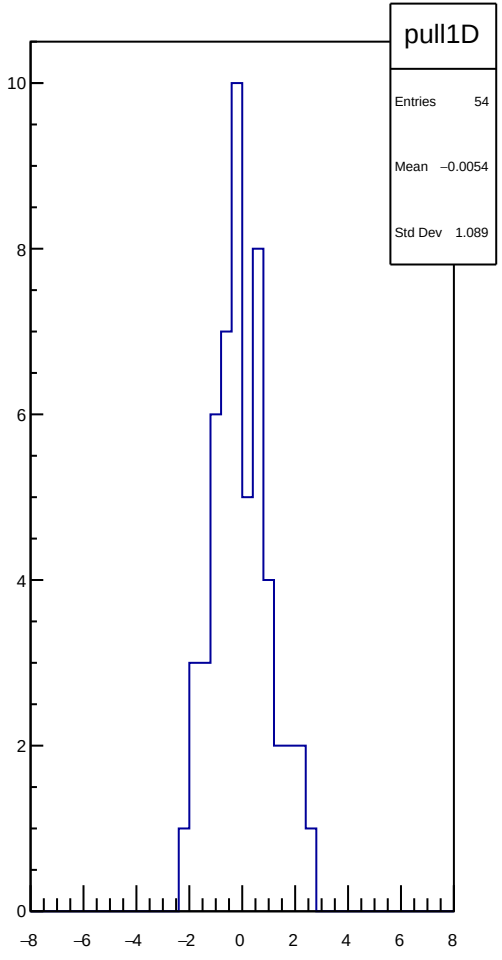

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.49e+05 / 53
p0 3.34e−11 ± 4.41e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

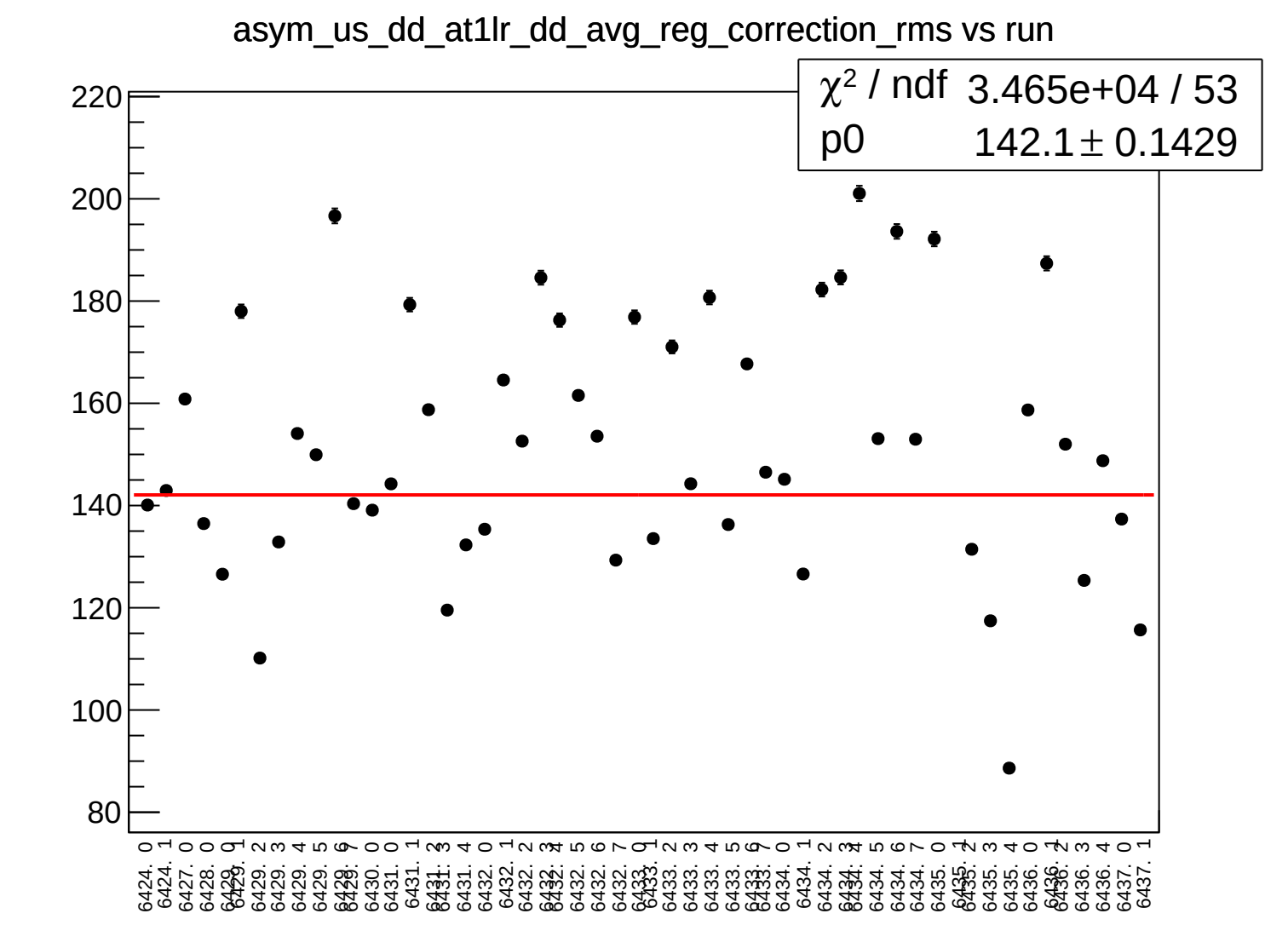

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 47.28 / 53
p0 2850 ± 3103
pull
Entries 54
Mean −10.61
Std Dev 28.59

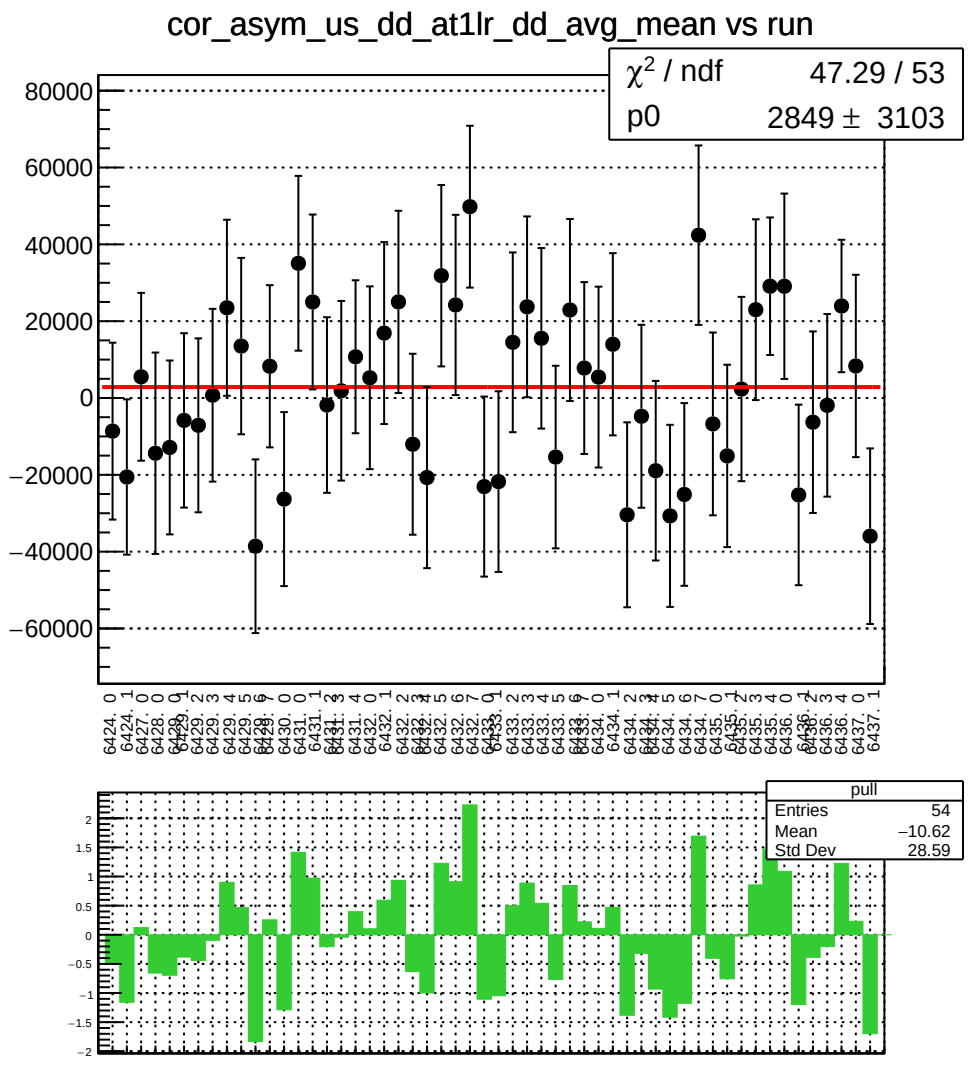

pull1D
Entries 54
Mean −0.01971
Std Dev 0.9355

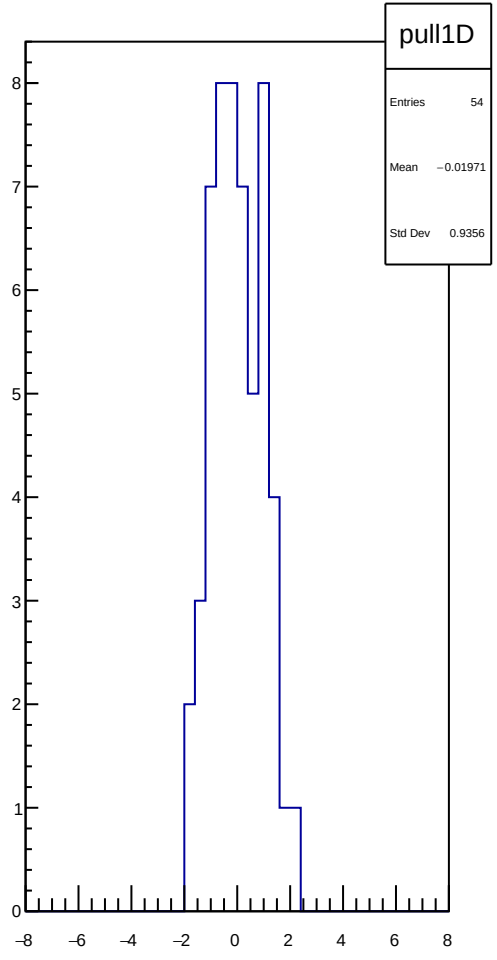

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 341.3 / 53
p0 2219 ± 2.194
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

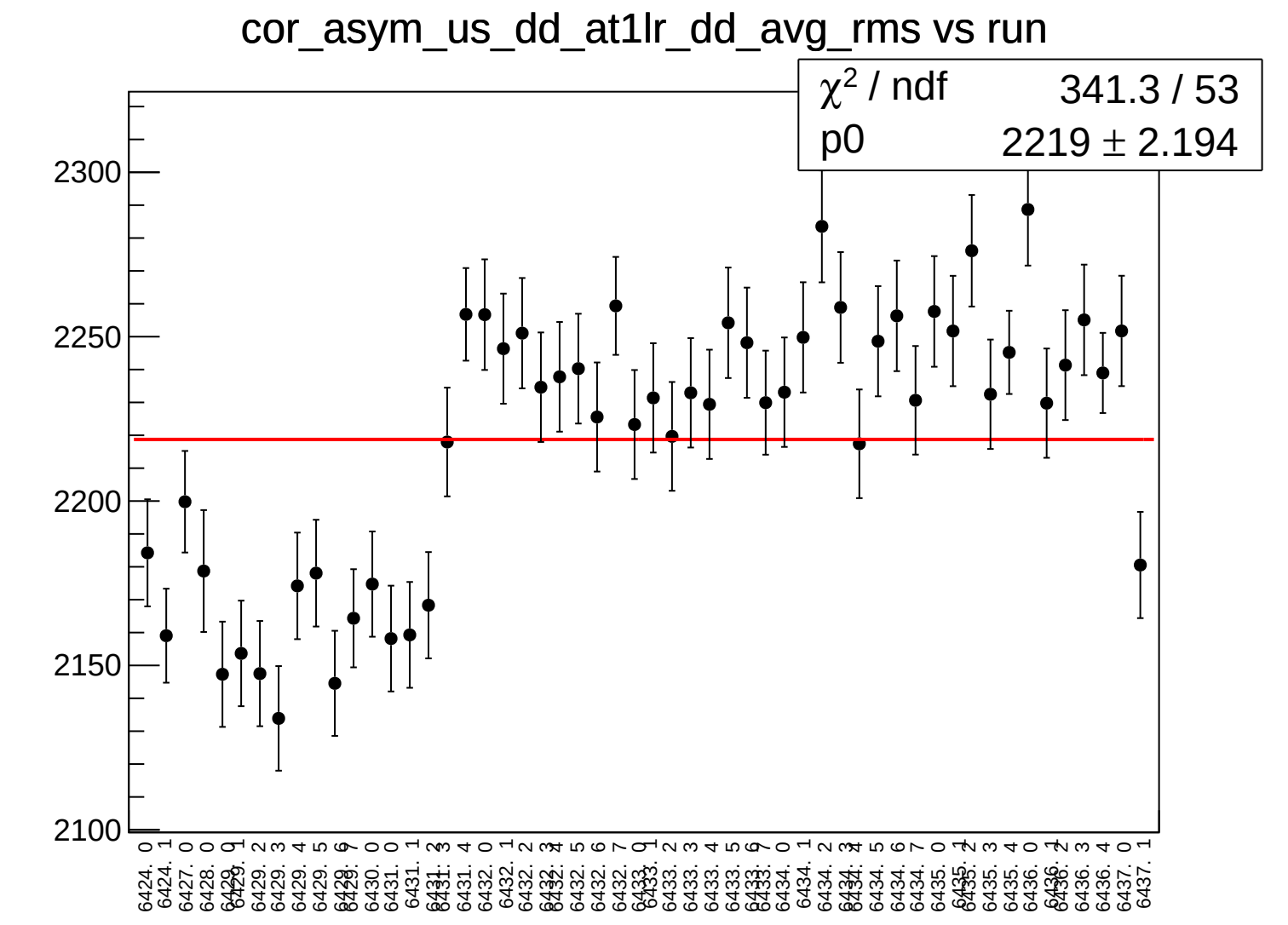

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 64.02 / 53
p0 156.2 ± 202.2
pull
Entries 54
Mean 437.5
Std Dev 0

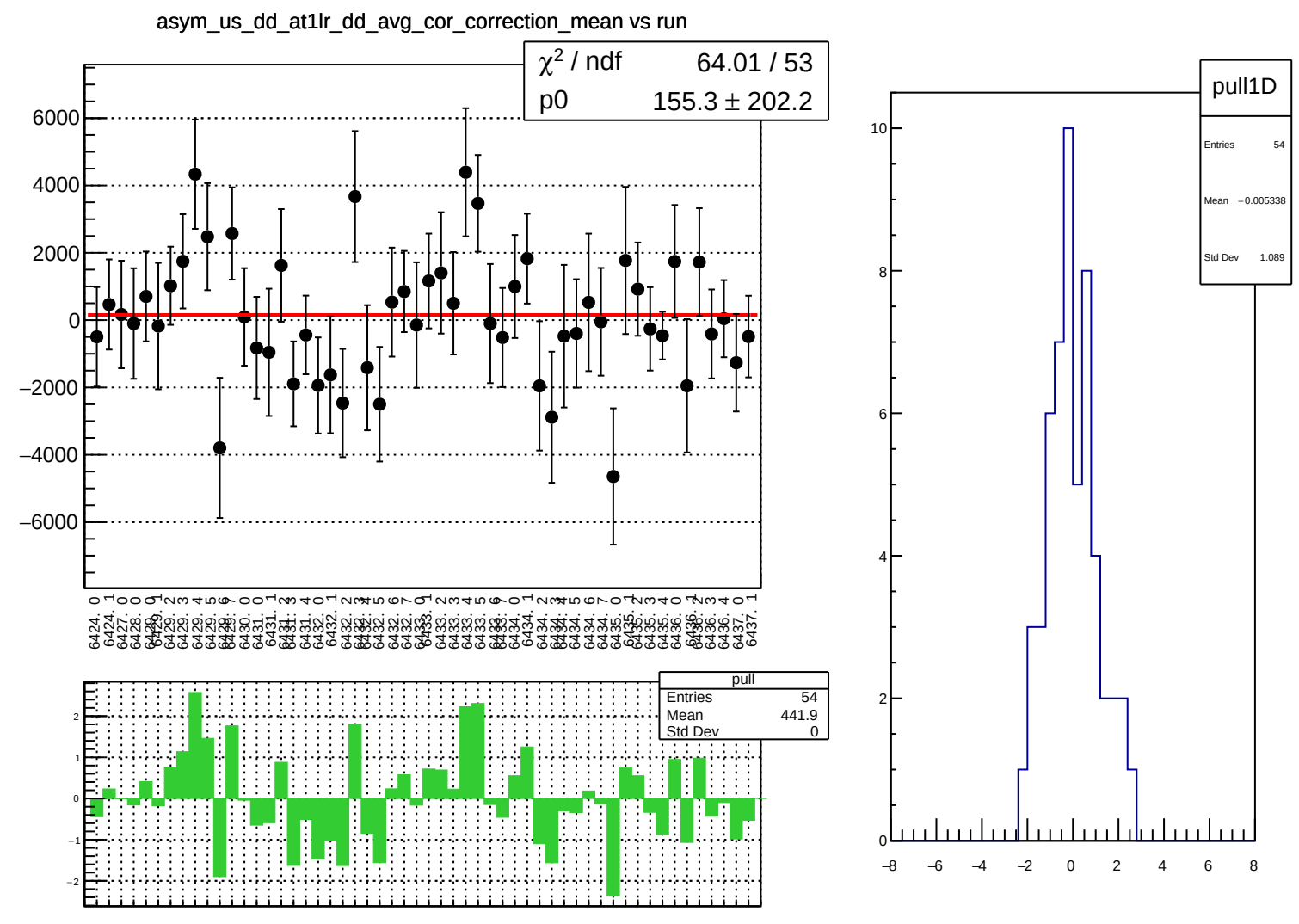

pull1D
Entries 54
Mean −0.0054
Std Dev 1.089

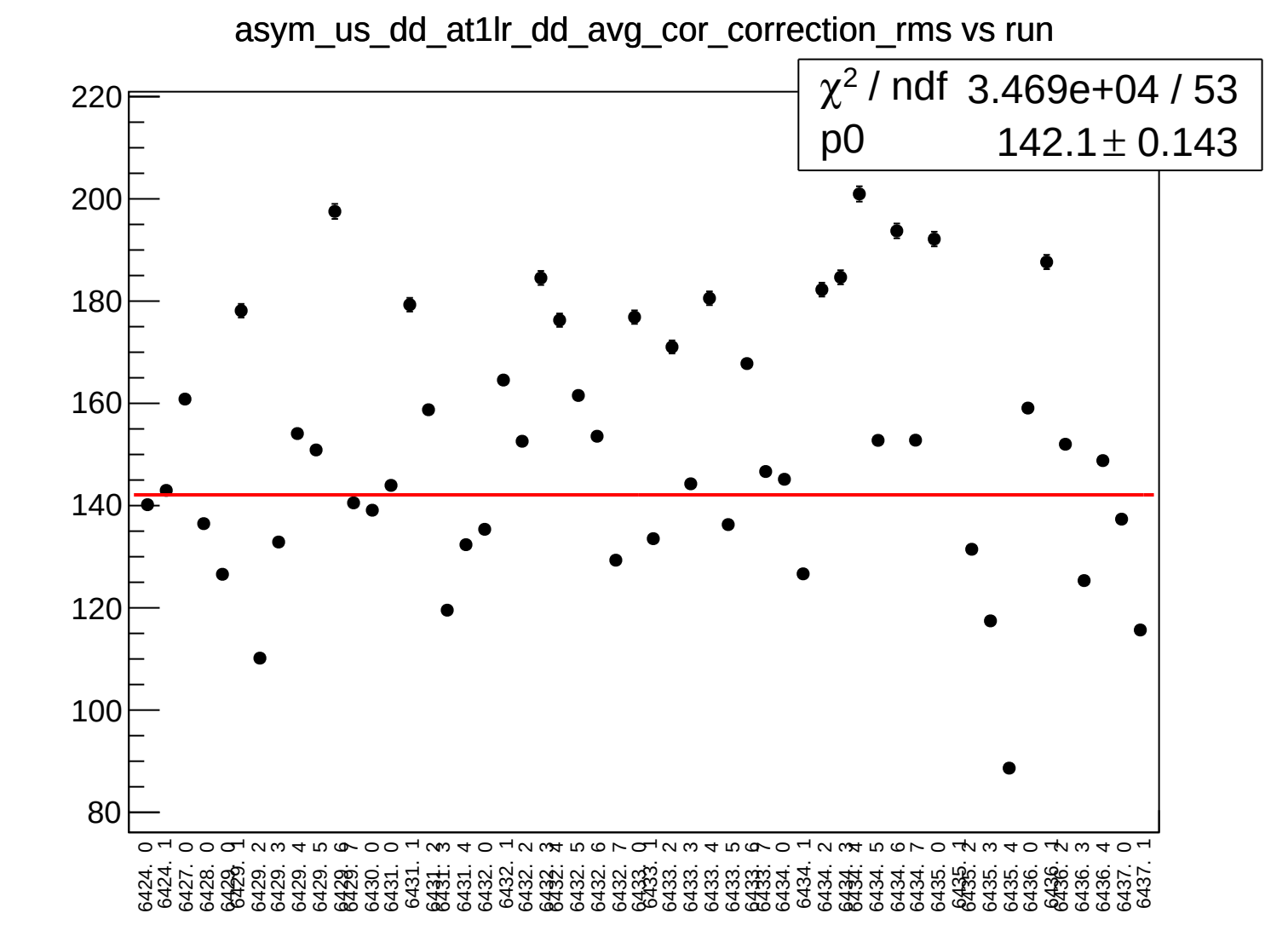

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.465e+04 / 53
p0 142.1 ± 0.1429
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

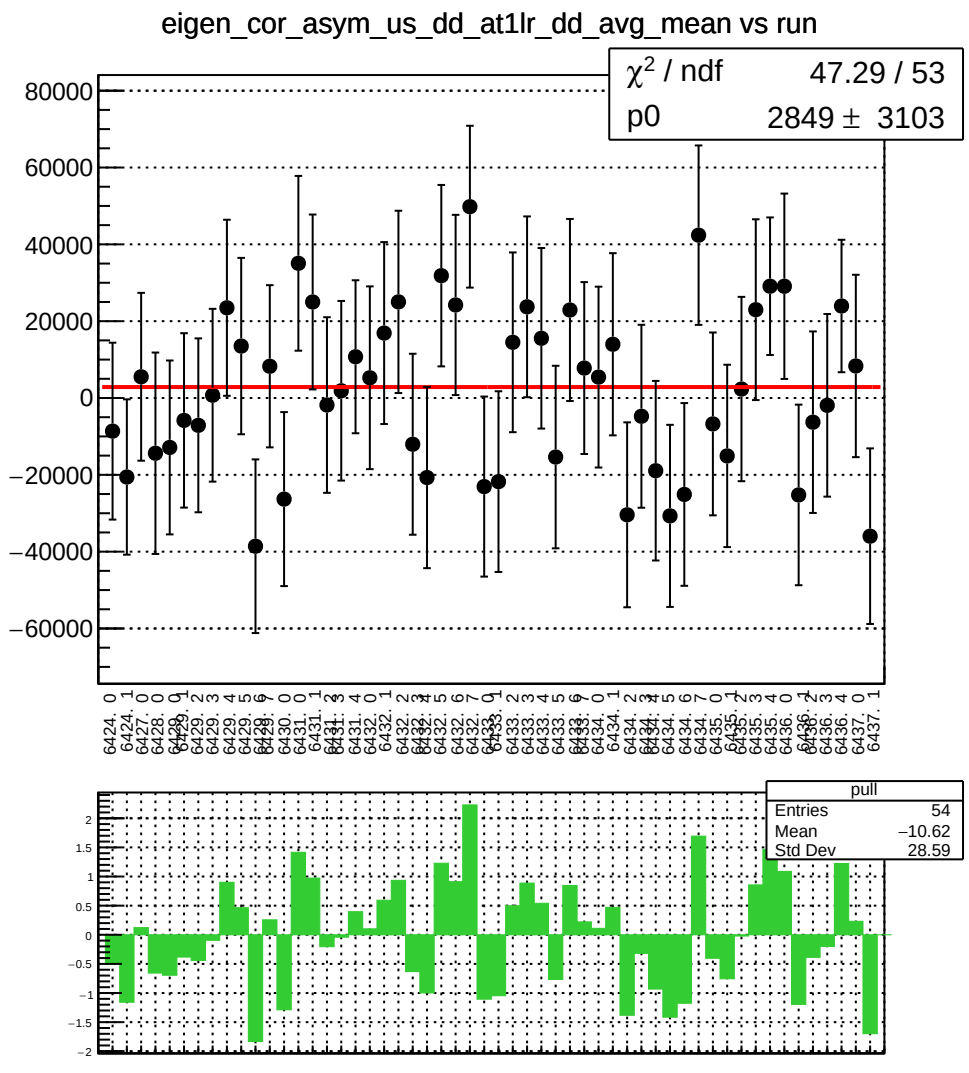

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 47.29 / 53
p0 2849 ± 3103
pull
Entries 54
Mean −10.62
Std Dev 28.59

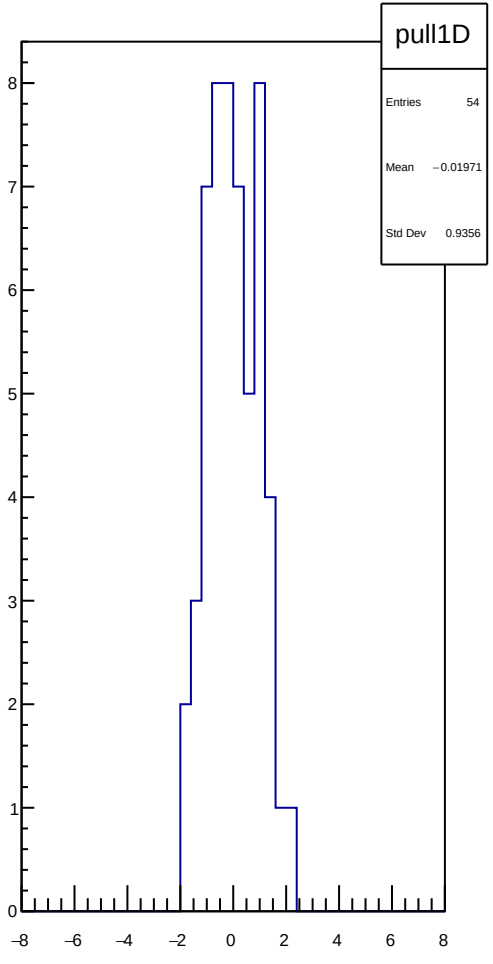

pull1D
Entries 54
Mean −0.01971
Std Dev 0.9356

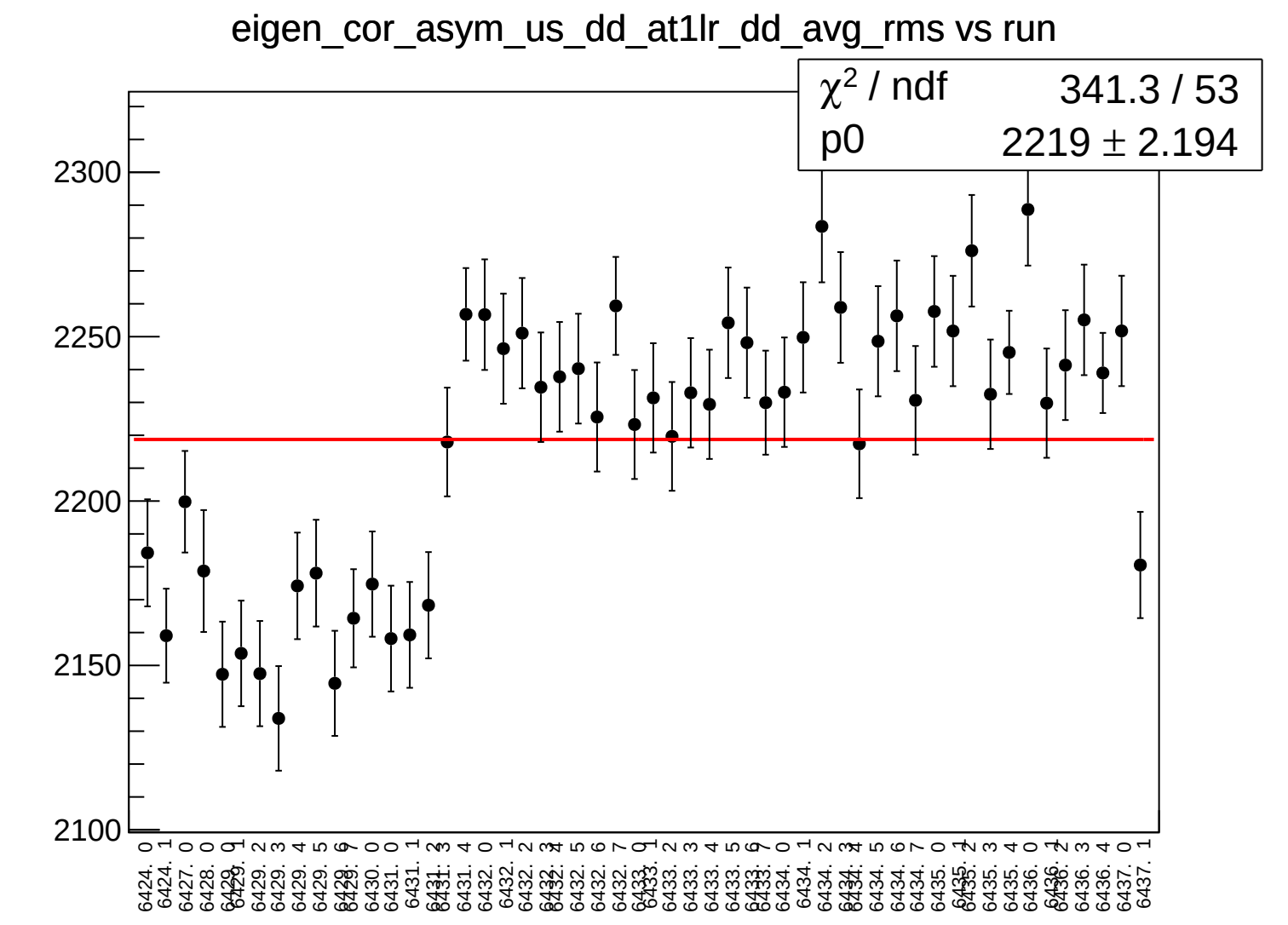

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 341.3 / 53
p0 2219 ± 2.194
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 64.01 / 53
p0 155.3 ± 202.2
pull
Entries 54
Mean 441.9
Std Dev 0
pull1D
Entries 54
Mean −0.005338
Std Dev 1.089


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ^2 / ndf 3.469e+04 / 53
p0 142.1 ± 0.143
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 47.29 / 53
p0 2849 ± 3103
pull
Entries 54
Mean −10.62
Std Dev 28.59


pull1D
Entries 54
Mean −0.01971
Std Dev 0.9356


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 341.3 / 53
p0 2219 ± 2.194
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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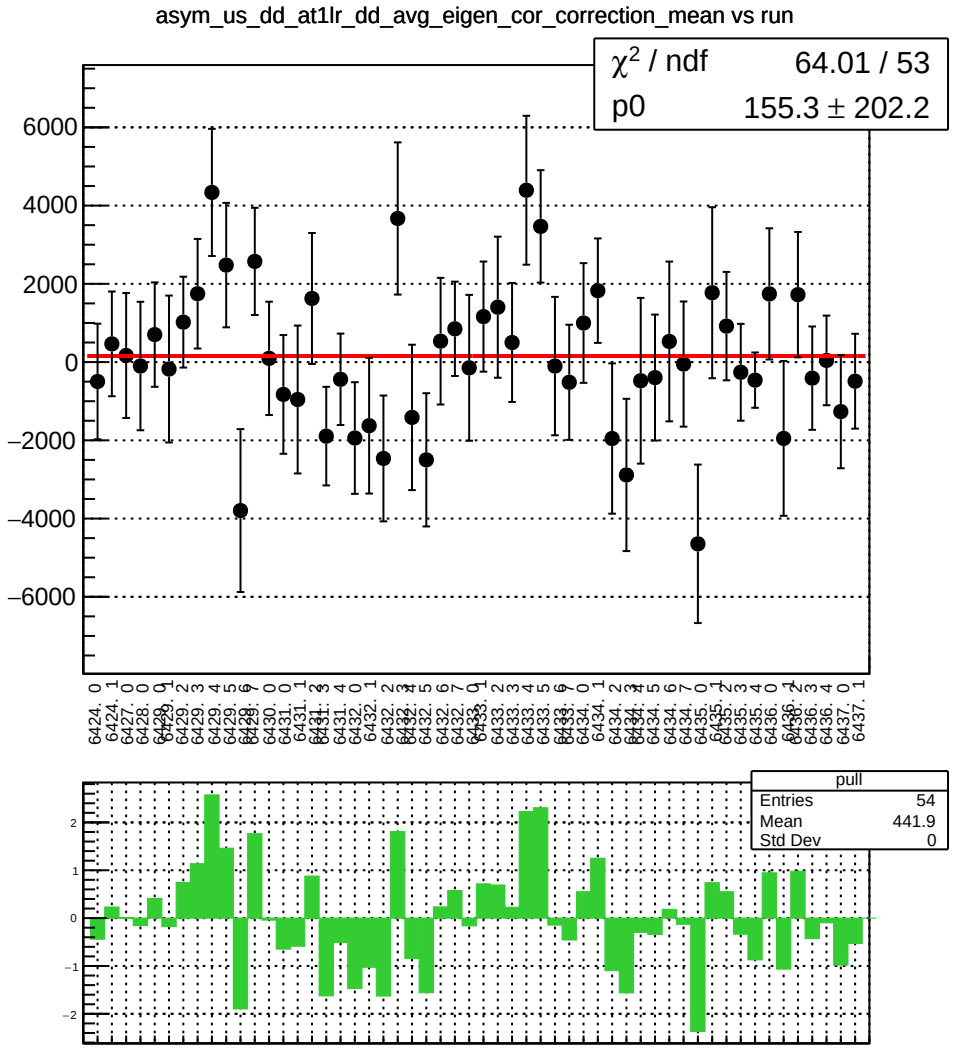
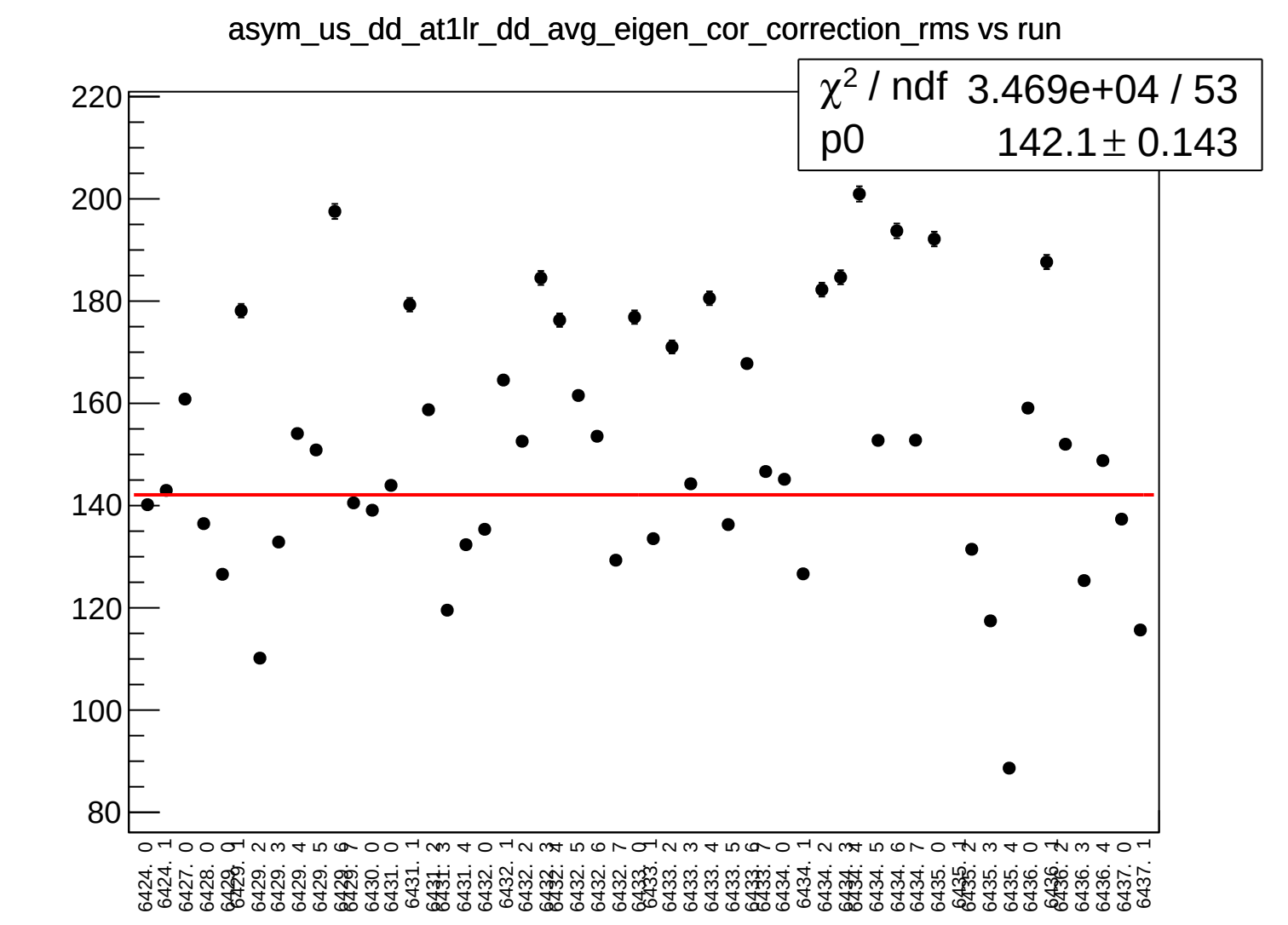
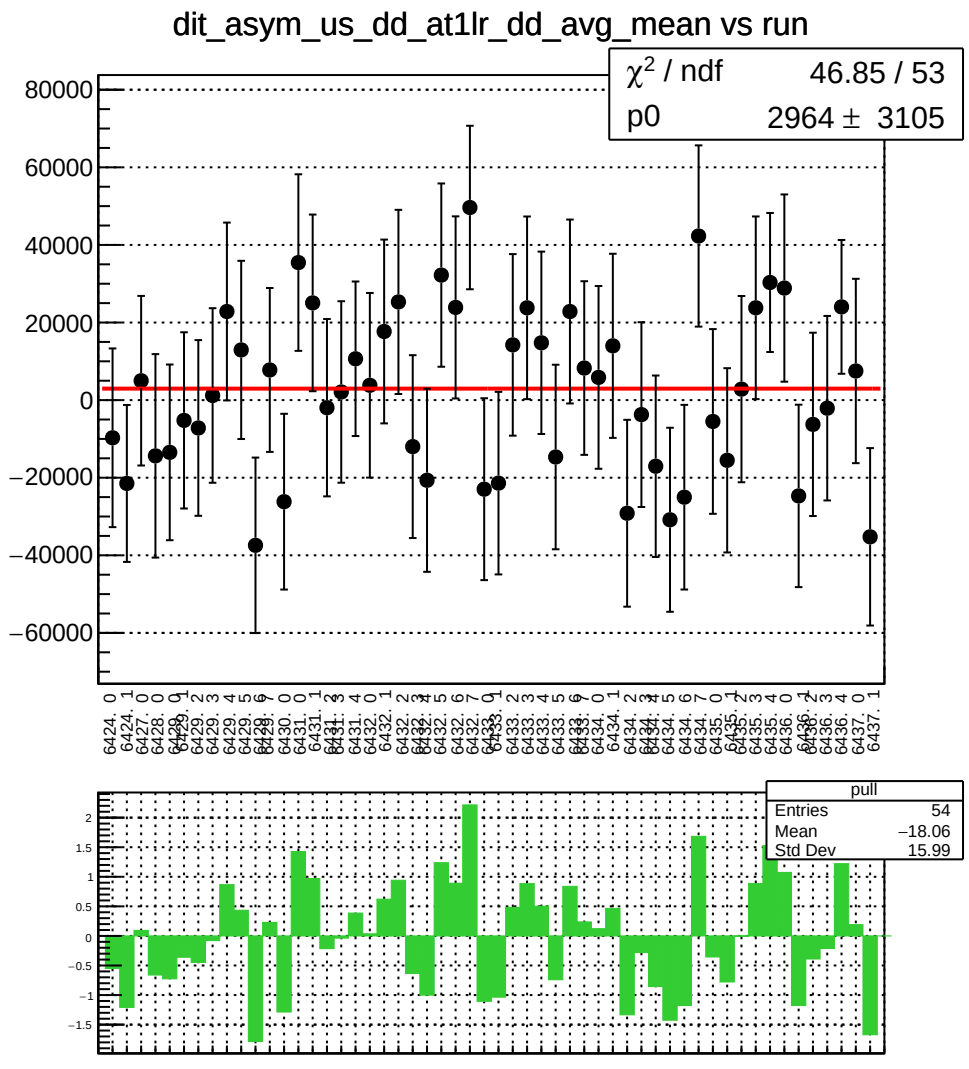
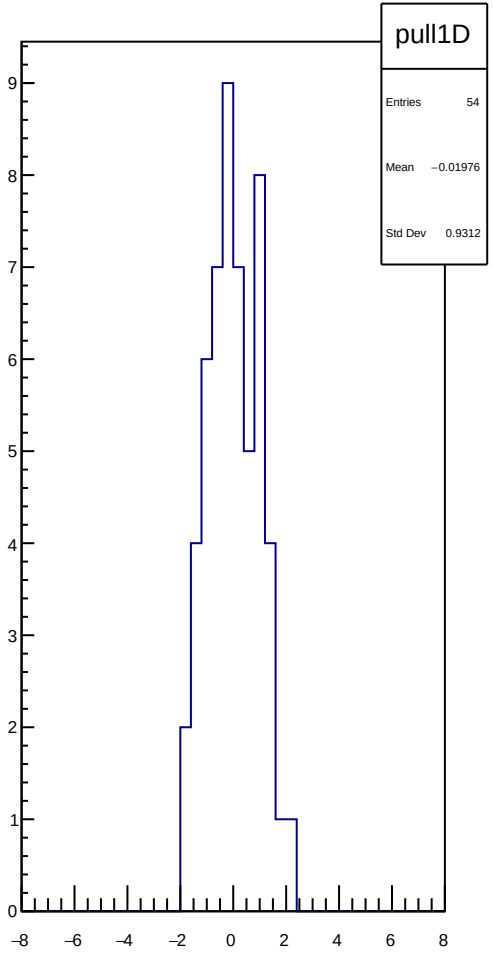
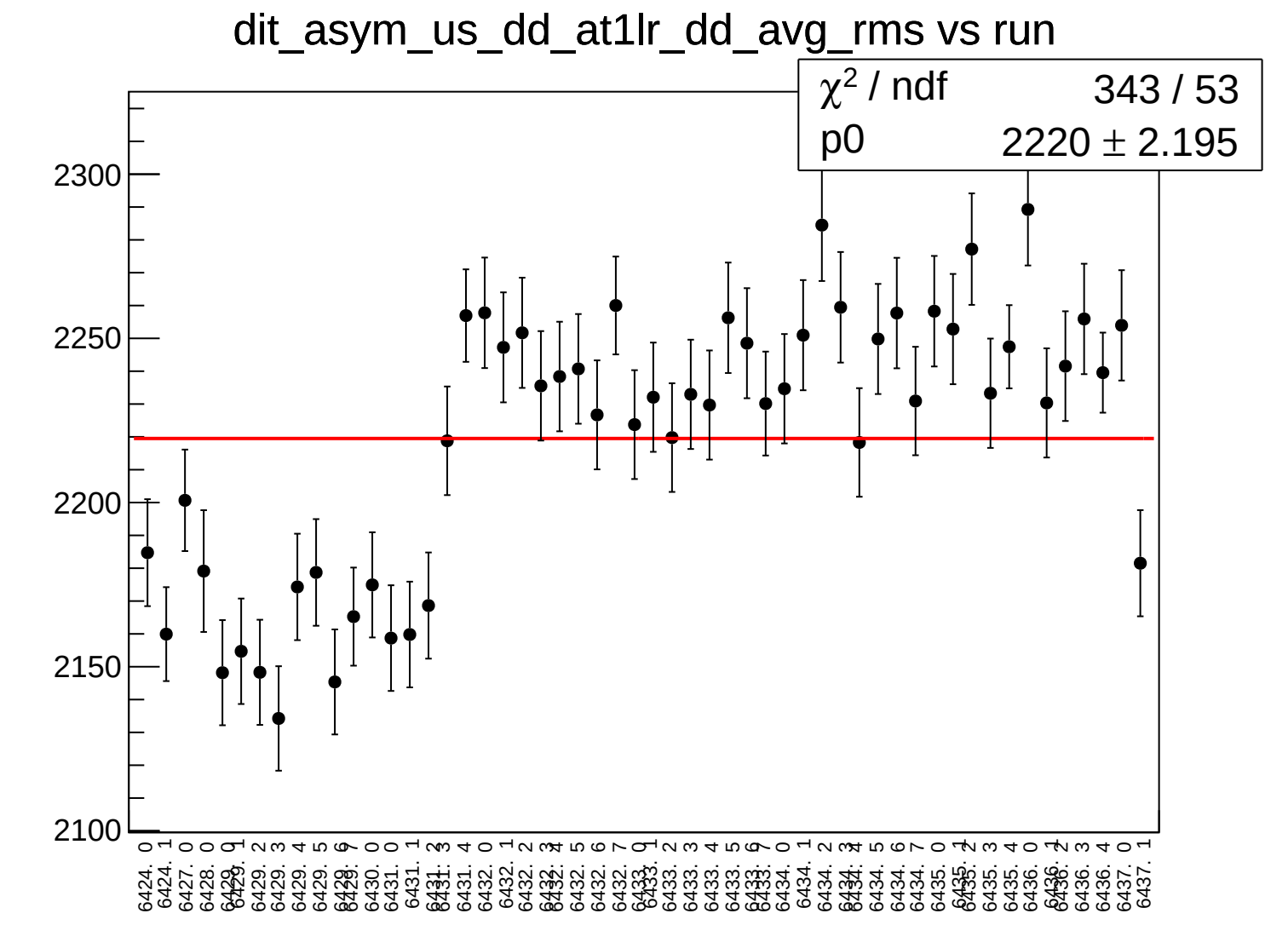
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.01 / 53
p0 155.3 ± 202.2
pull
Entries 54
Mean 441.9
Std Dev 0
pull1D
Entries 54
Mean −0.005338
Std Dev 1.089


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.469e+04 / 53
p0 142.1 ± 0.143
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.85 / 53
p0 2964 ± 3105
pull
Entries 54
Mean −18.06
Std Dev 15.99


pull1D
Entries 54
Mean −0.01976
Std Dev 0.9312


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 343 / 53
p0 2220 ± 2.195
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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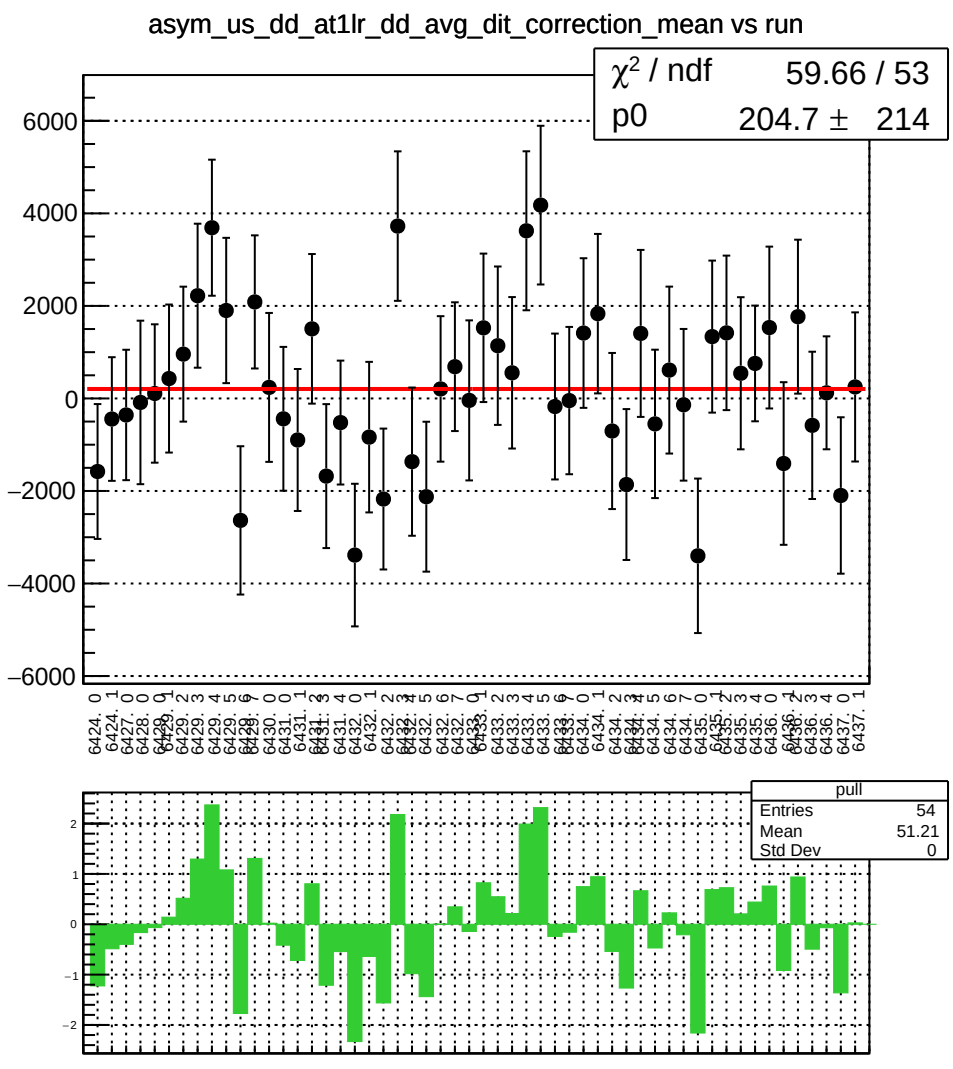
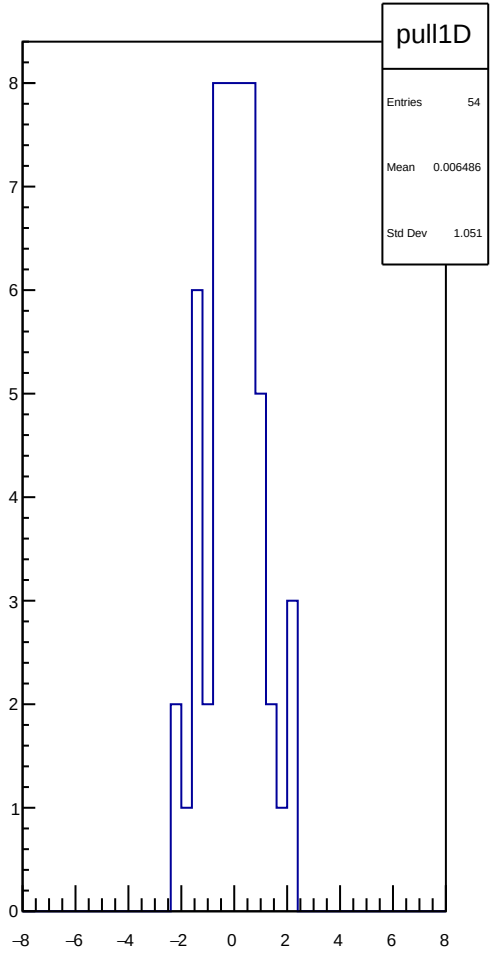
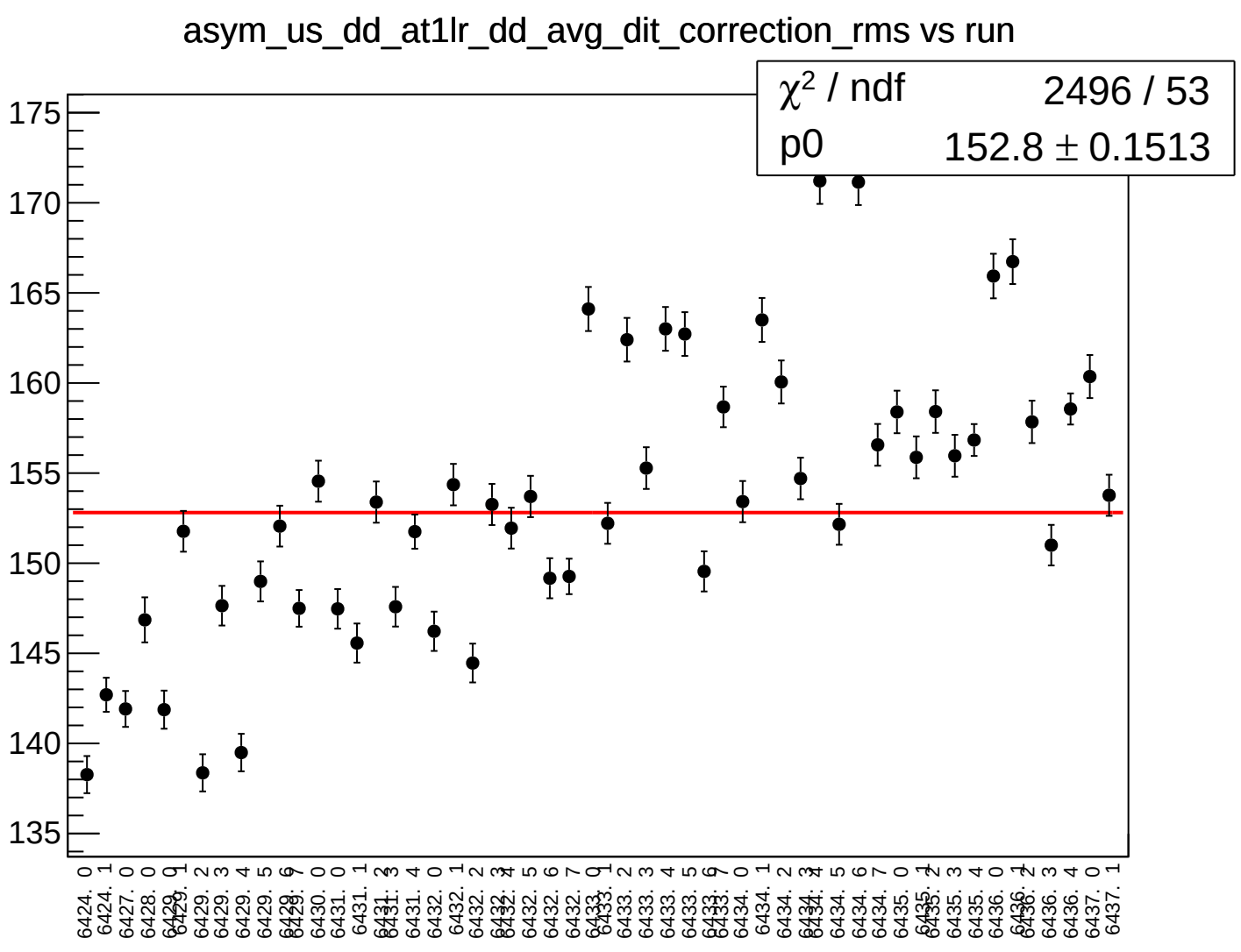
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 59.66 / 53
p0 204.7 ± 214
pull
Entries 54
Mean 51.21
Std Dev 0


pull1D
Entries 54
Mean 0.006486
Std Dev 1.051


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2496 / 53
p0 152.8 ± 0.1513
175
170
165
160
155
150
145
140
135
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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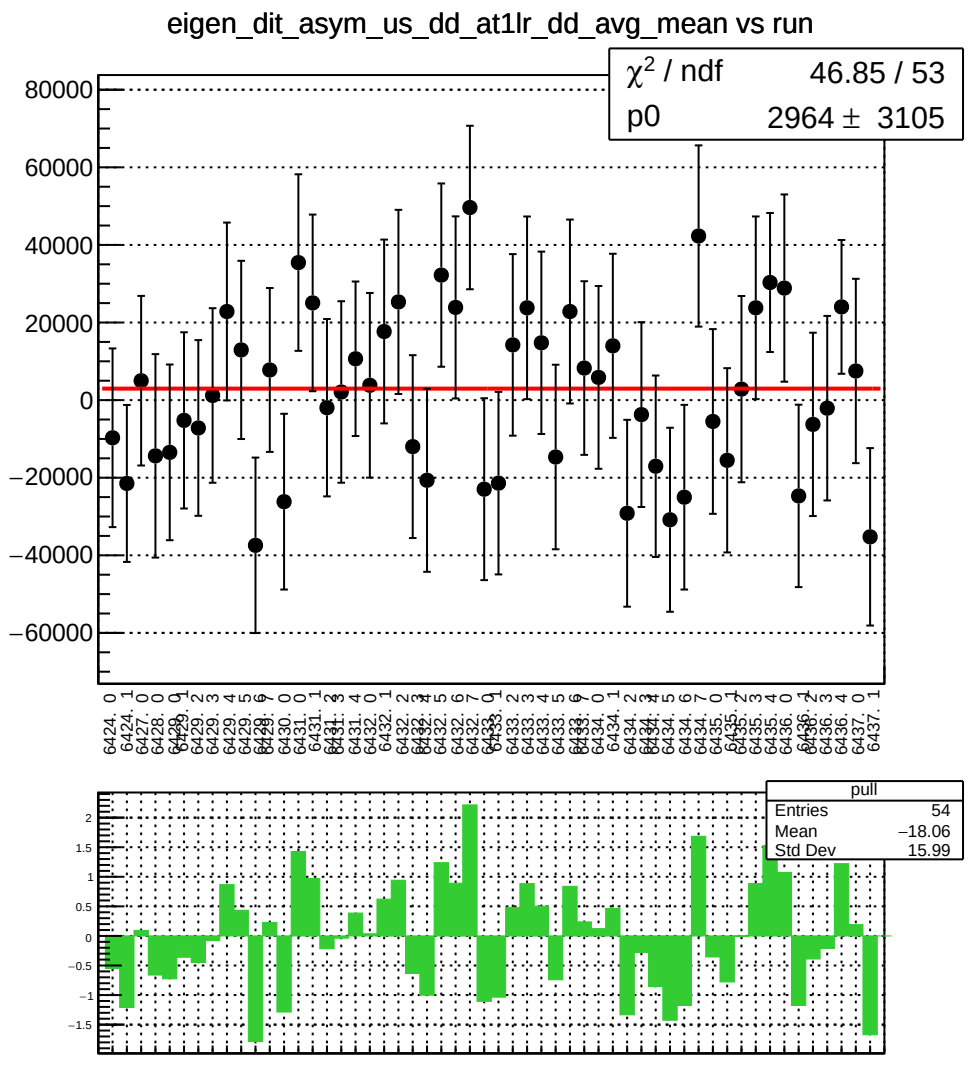
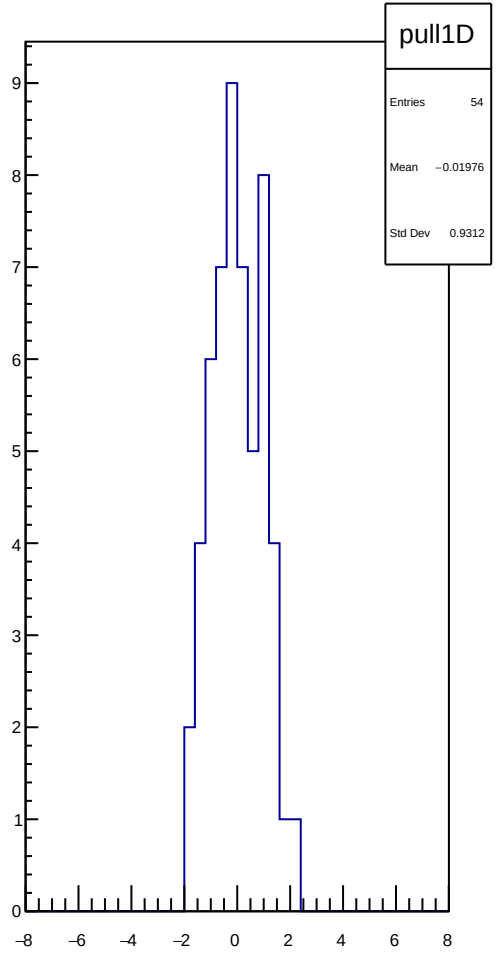
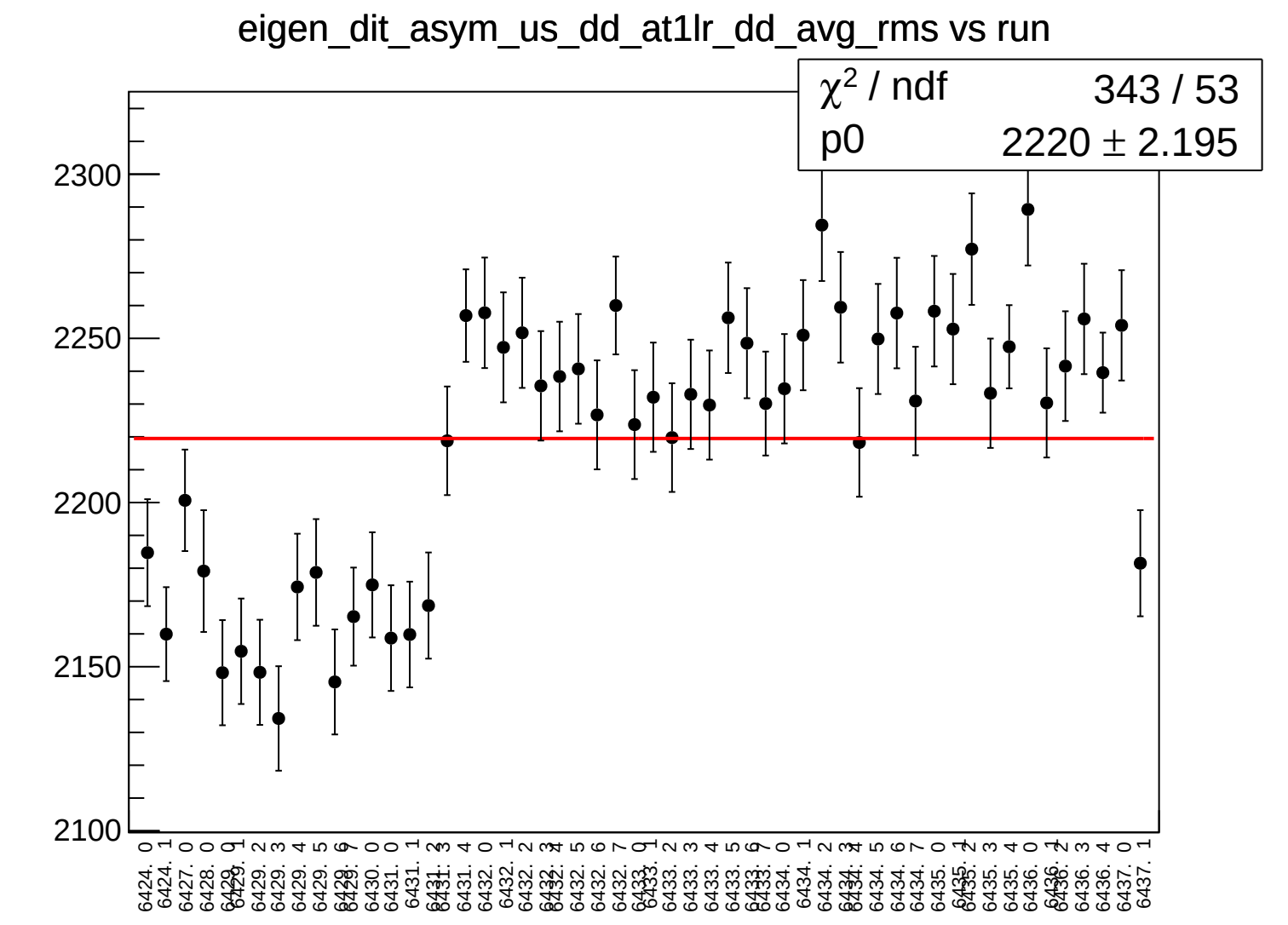
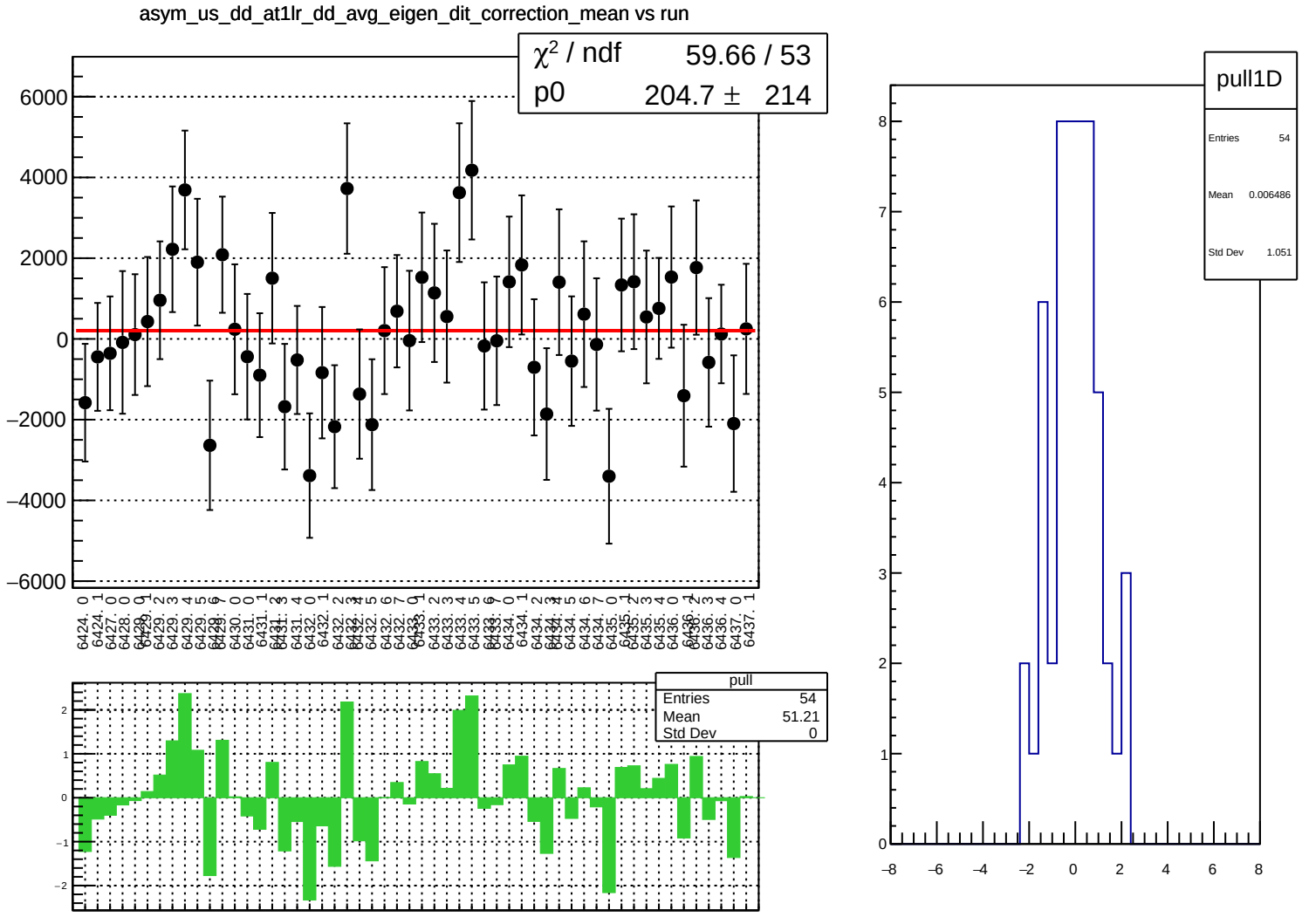
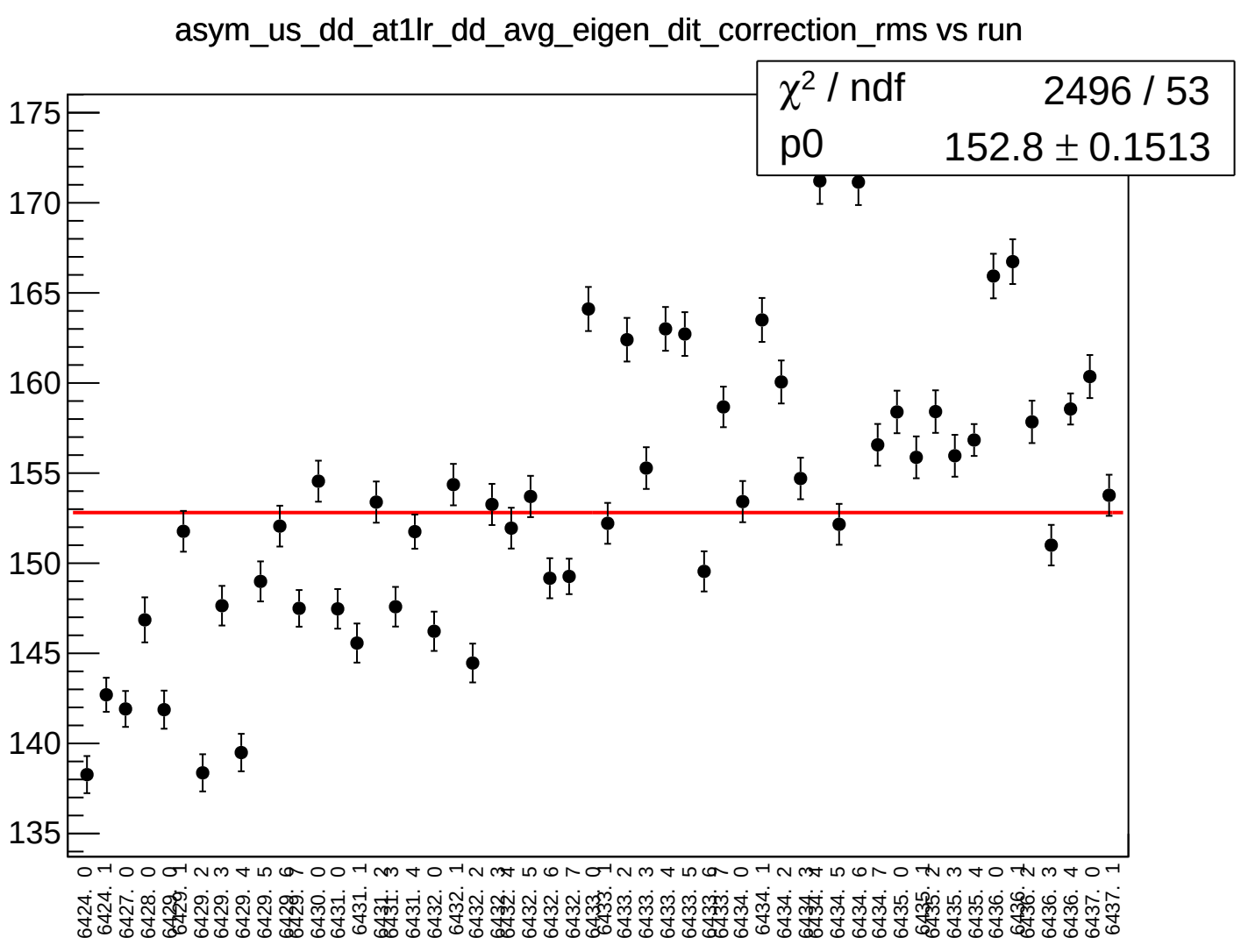
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

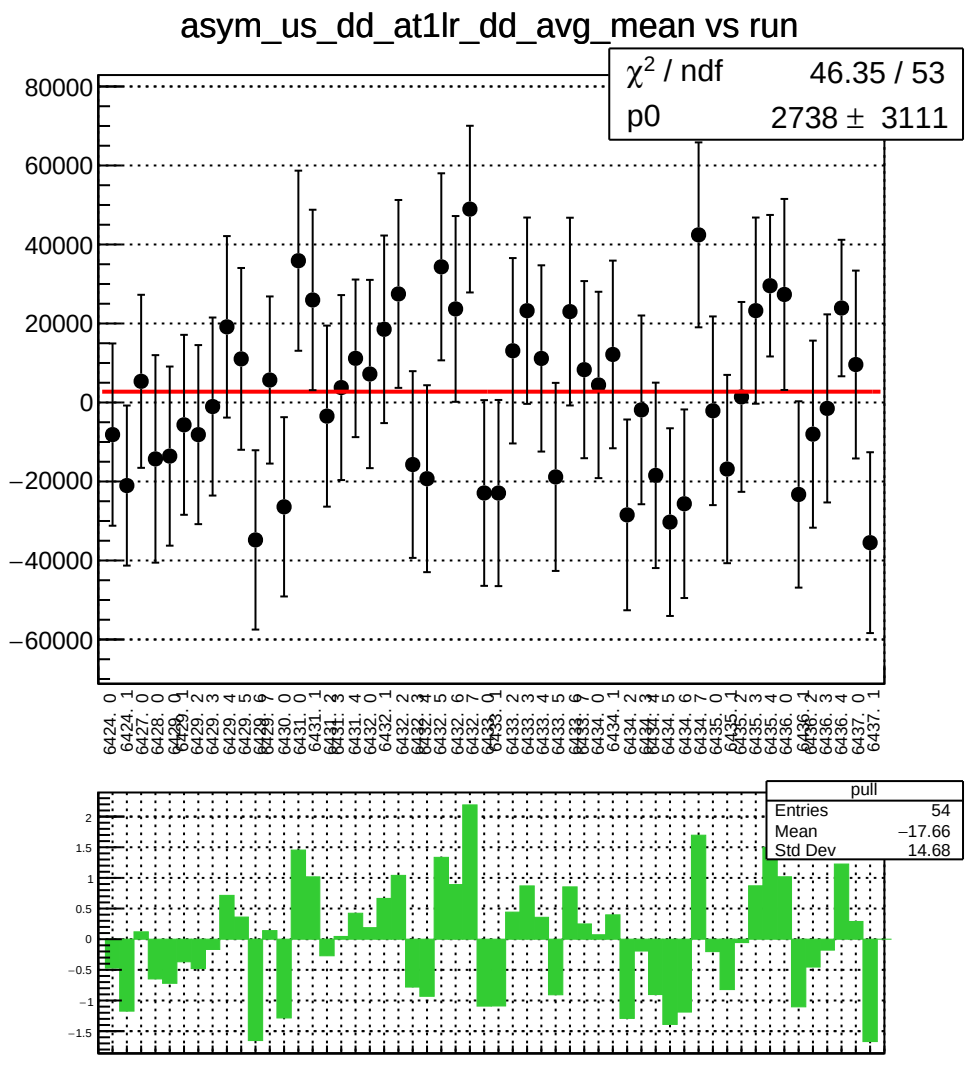

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.85 / 53
p0 2964 ± 3105
pull
Entries 54
Mean −18.06
Std Dev 15.99

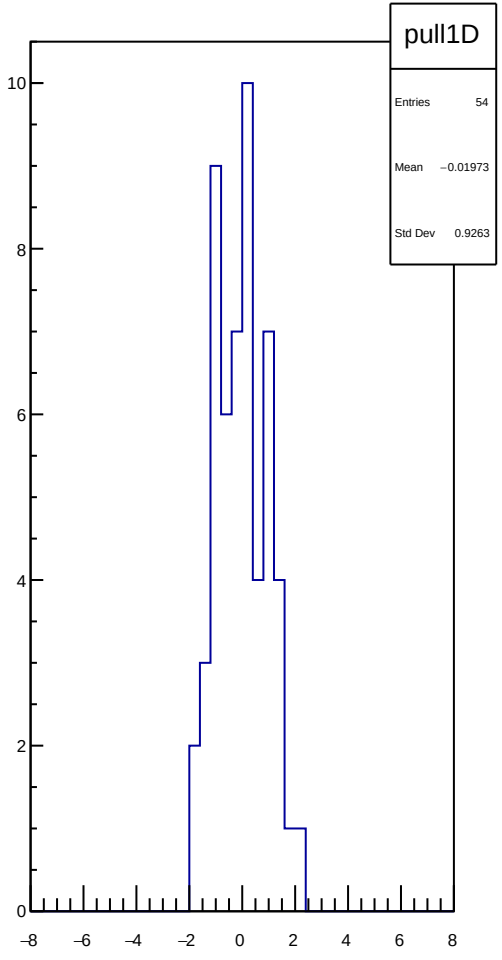

pull1D
Entries 54
Mean −0.01976
Std Dev 0.9312

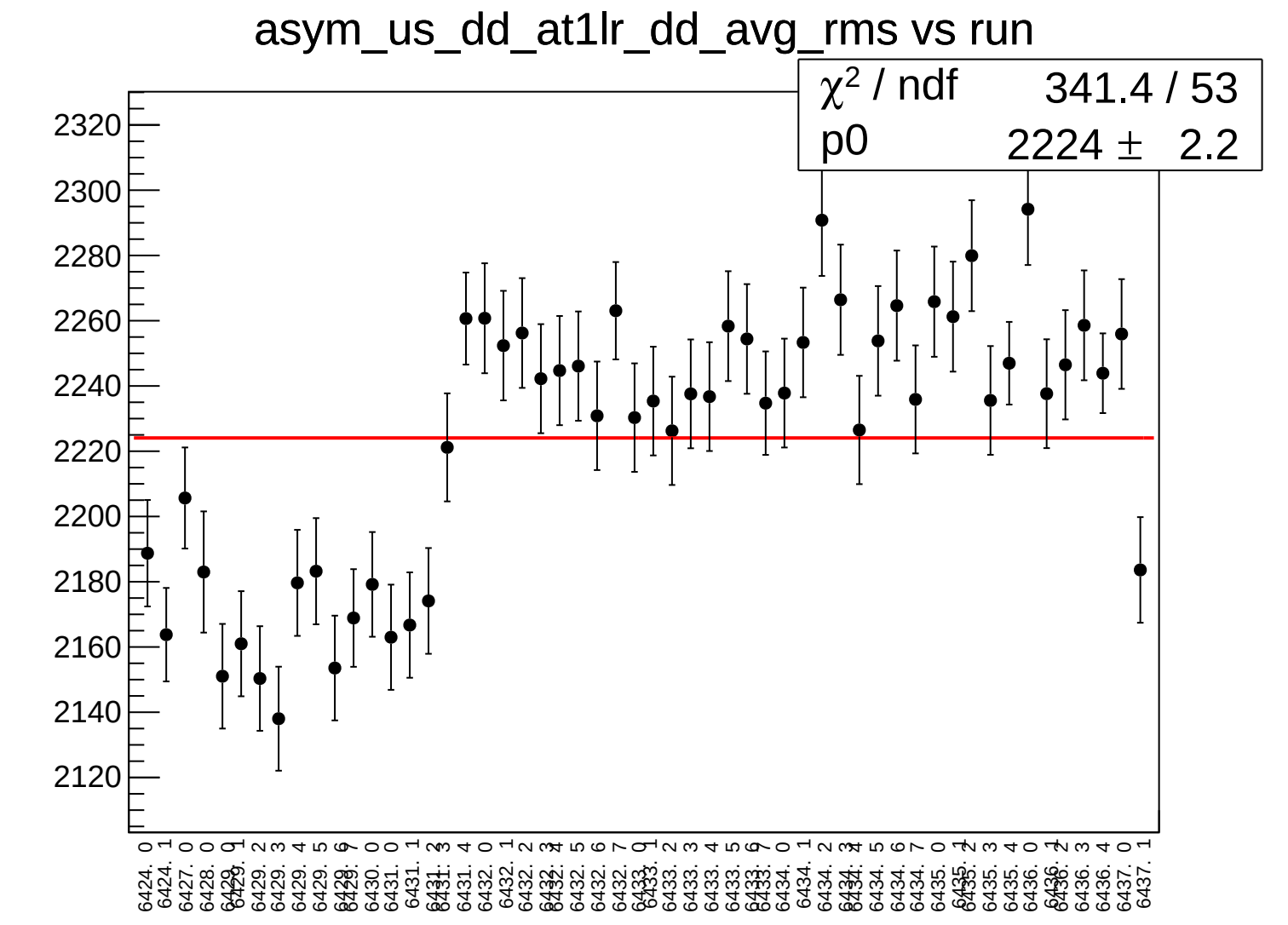

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 343 / 53
p0 2220 ± 2.195
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

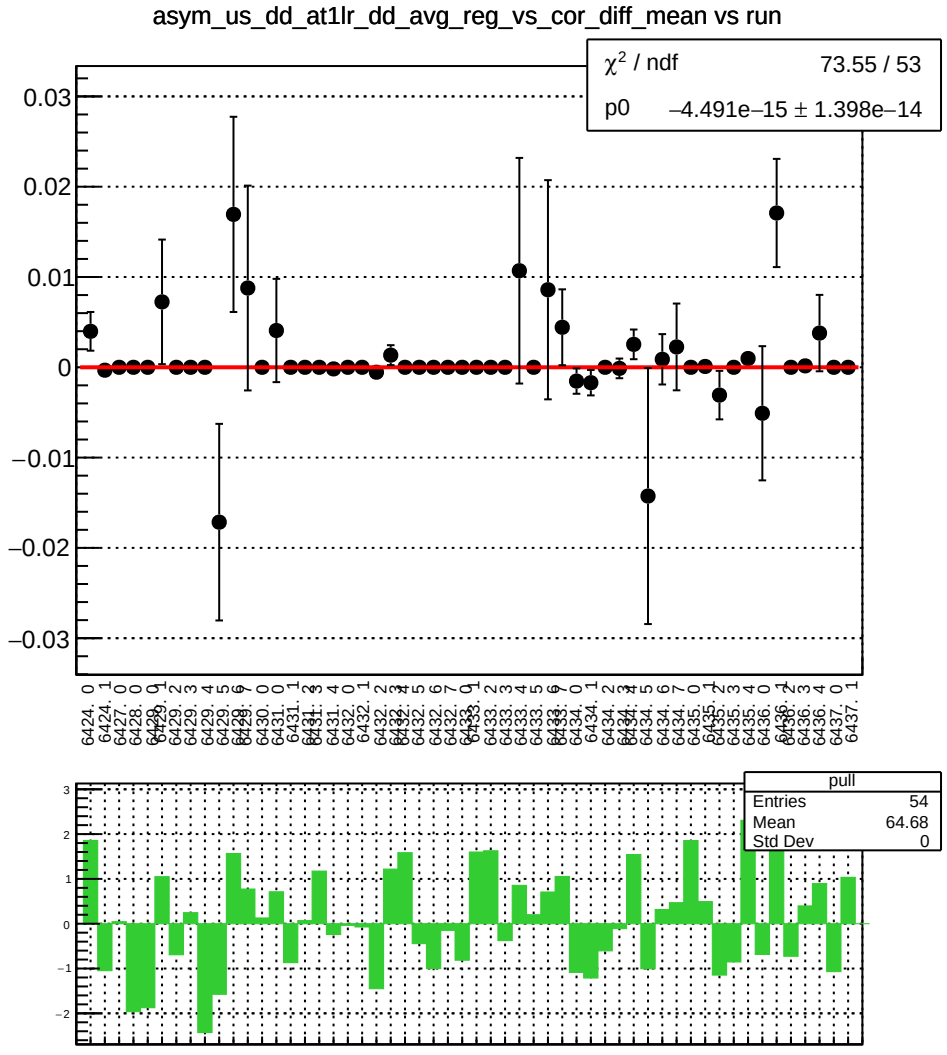

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 59.66 / 53
p0 204.7 ± 214
pull
Entries 54
Mean 51.21
Std Dev 0
pull1D
Entries 54
Mean 0.006486
Std Dev 1.051

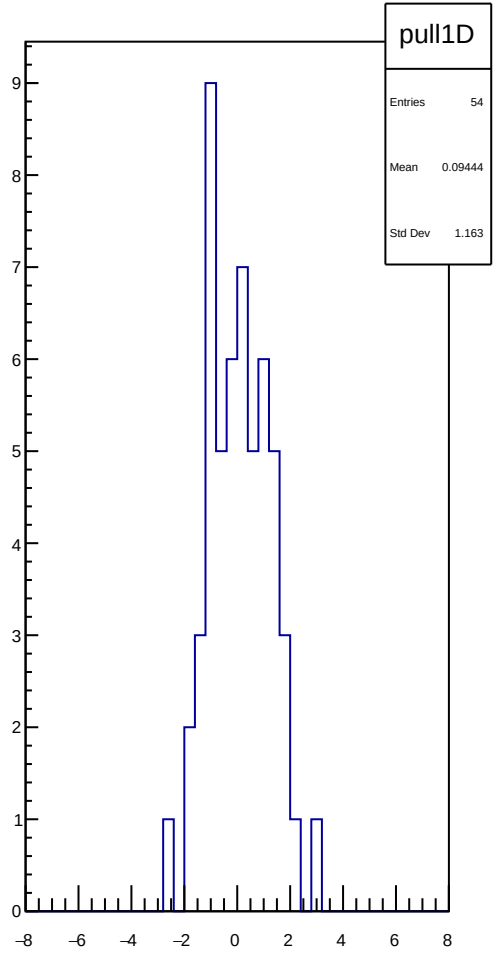

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2496 / 53
p0 152.8 ± 0.1513
175
170
165
160
155
150
145
140
135
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

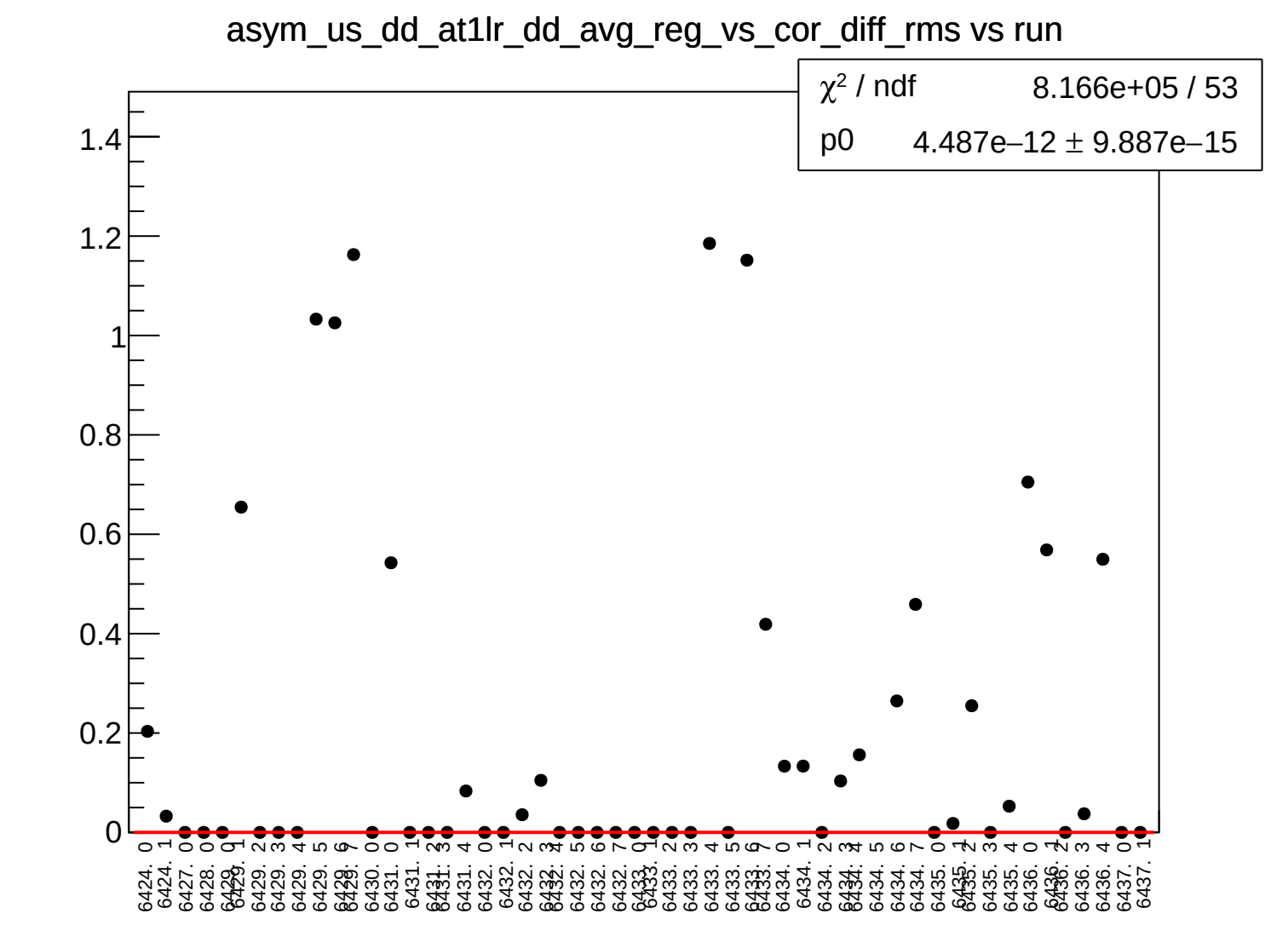

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 46.35 / 53
p0 2738 ± 3111
pull
Entries 54
Mean −17.66
Std Dev 14.68

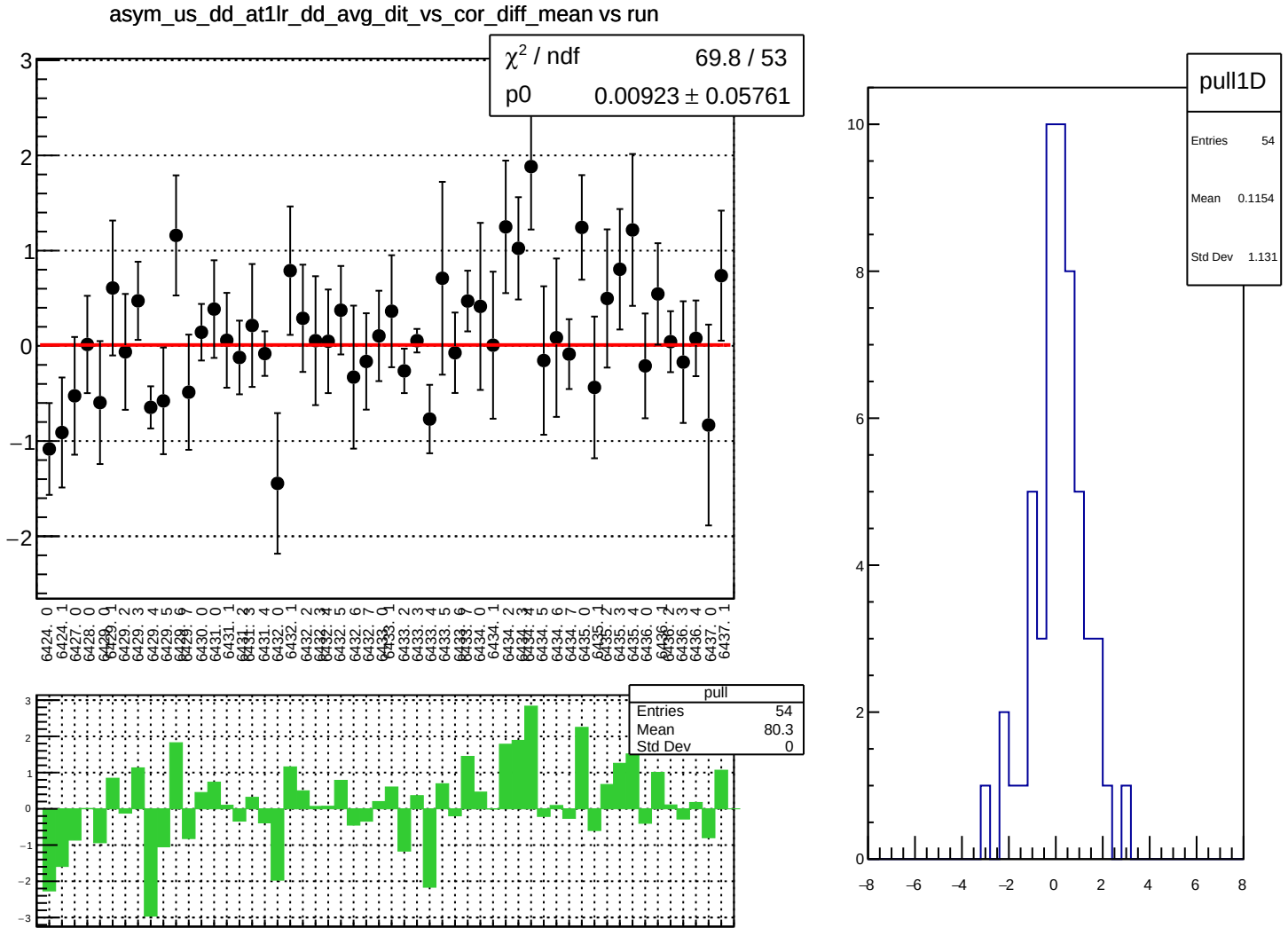

pull1D
Entries 54
Mean −0.01973
Std Dev 0.9263

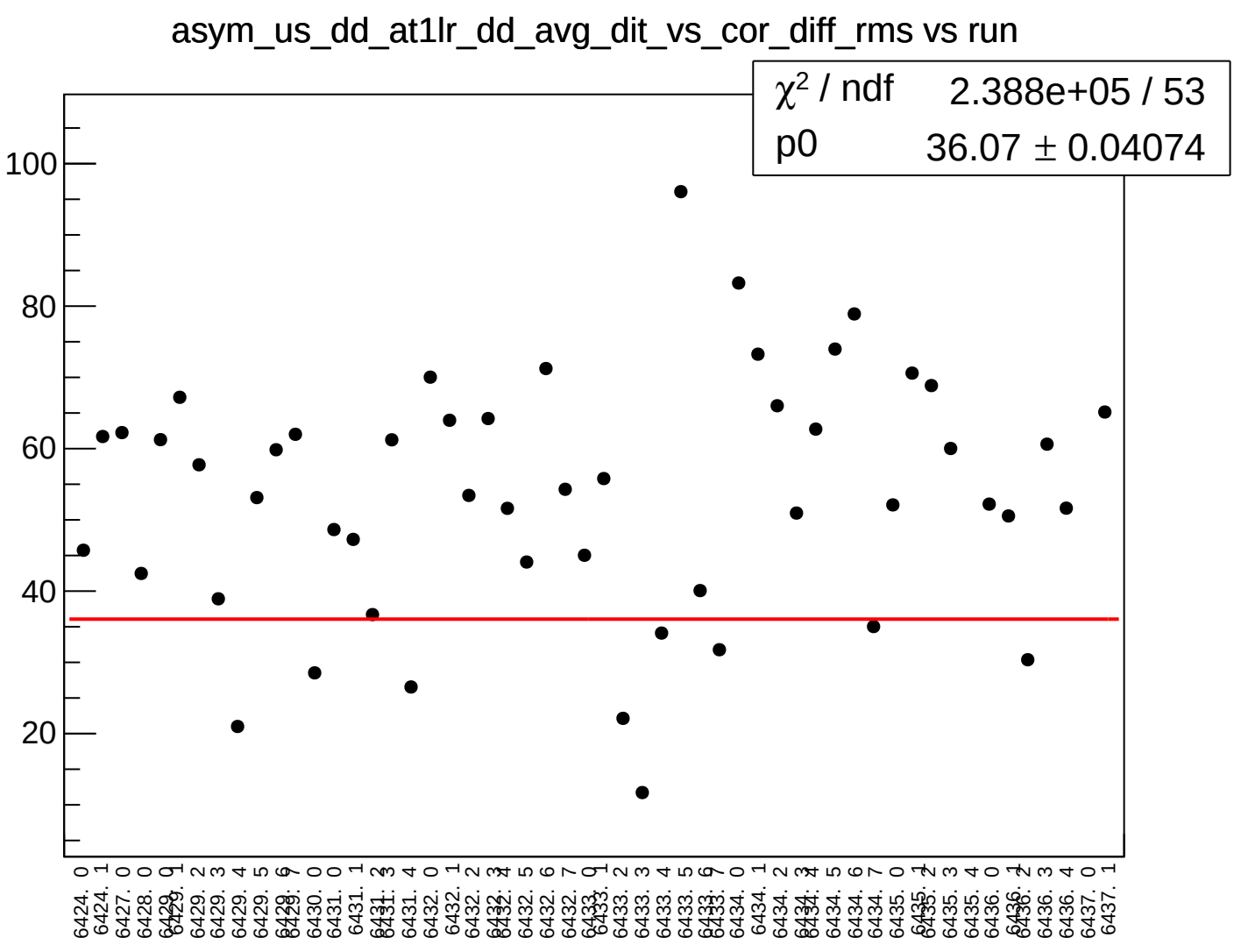

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 341.4 / 53
p0 2224 ± 2.2
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

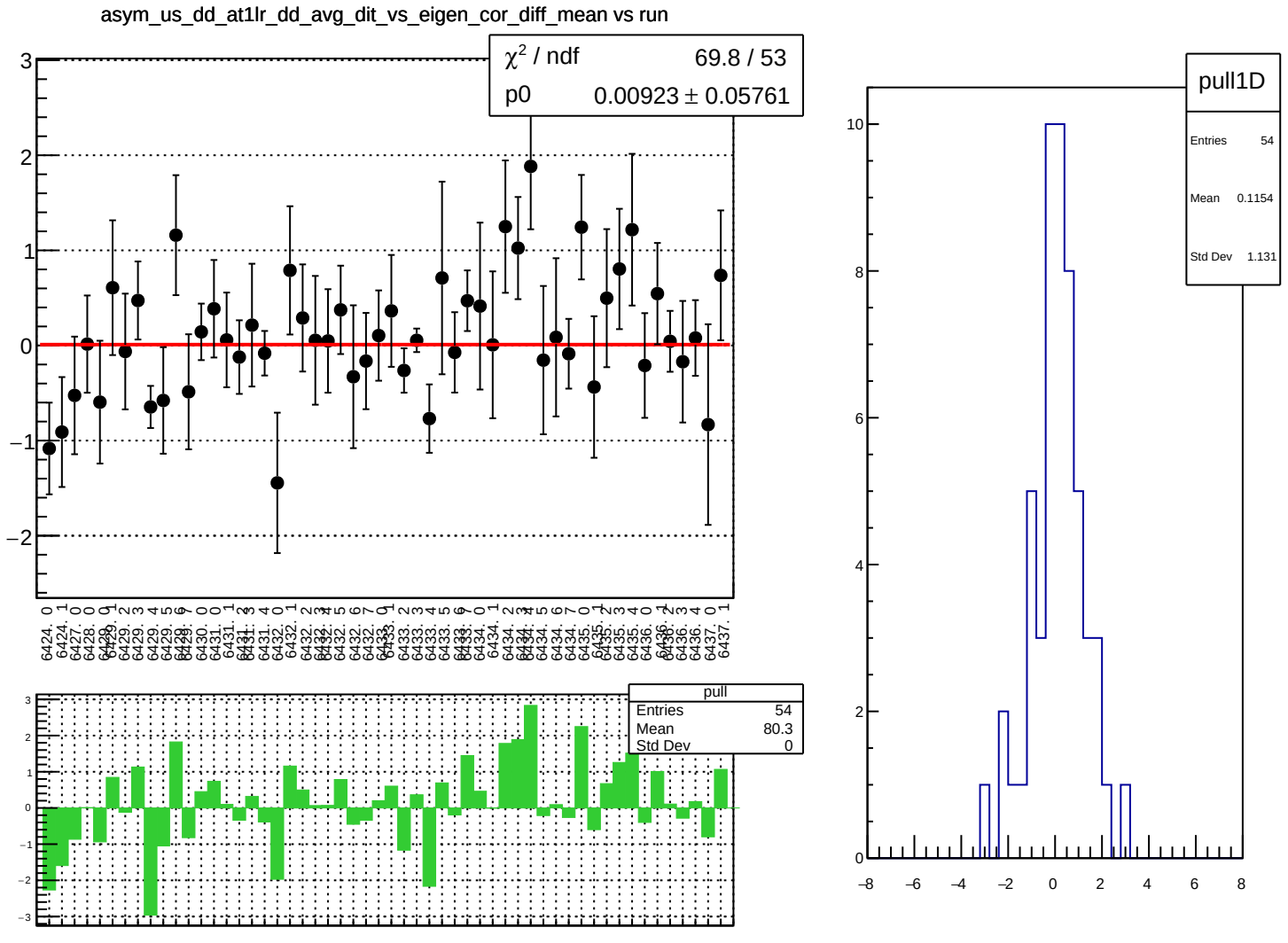

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.55 / 53
p0 −4.491e−15 ± 1.398e−14
pull
Entries 54
Mean 64.68
Std Dev 0

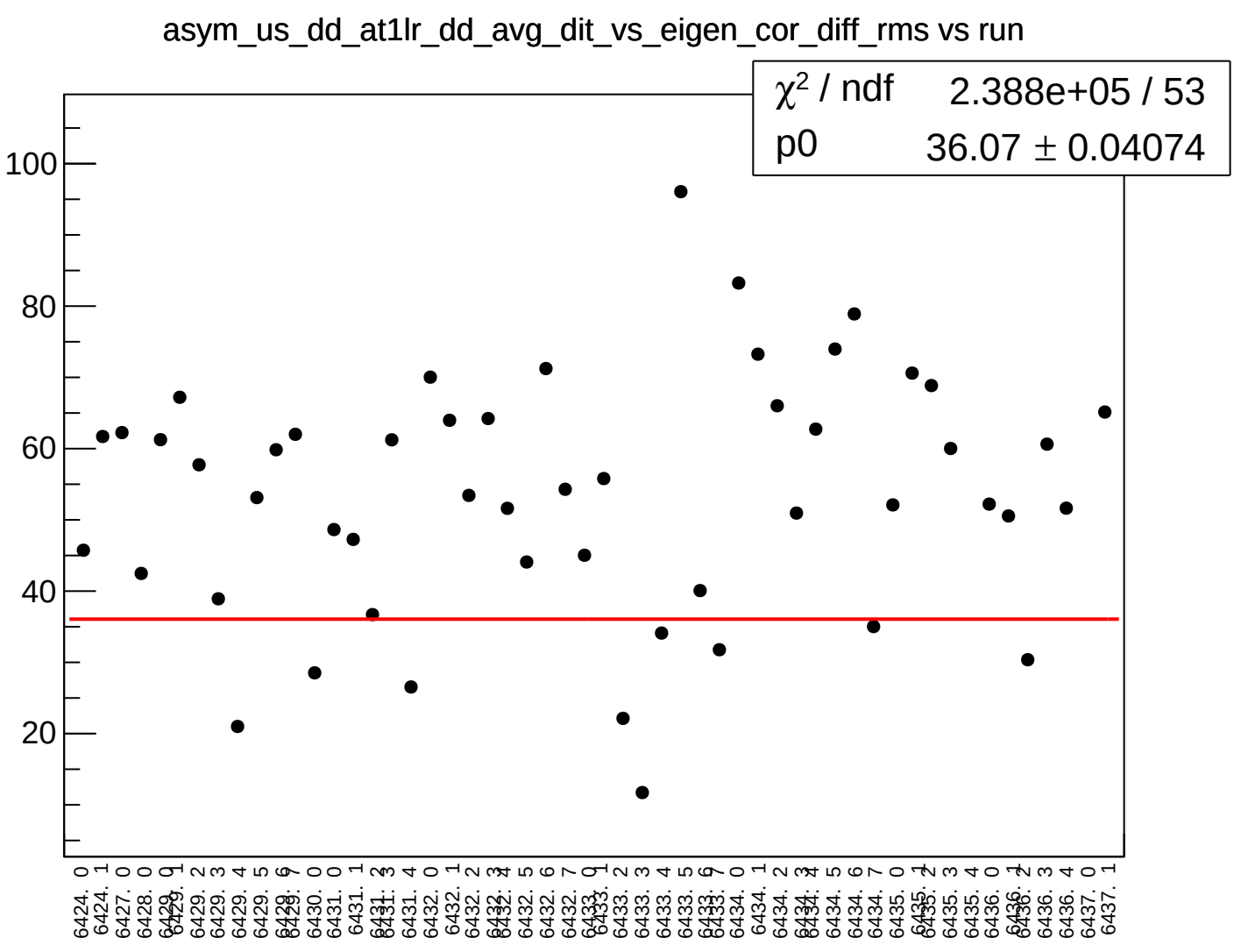

pull1D
Entries 54
Mean 0.09444
Std Dev 1.163

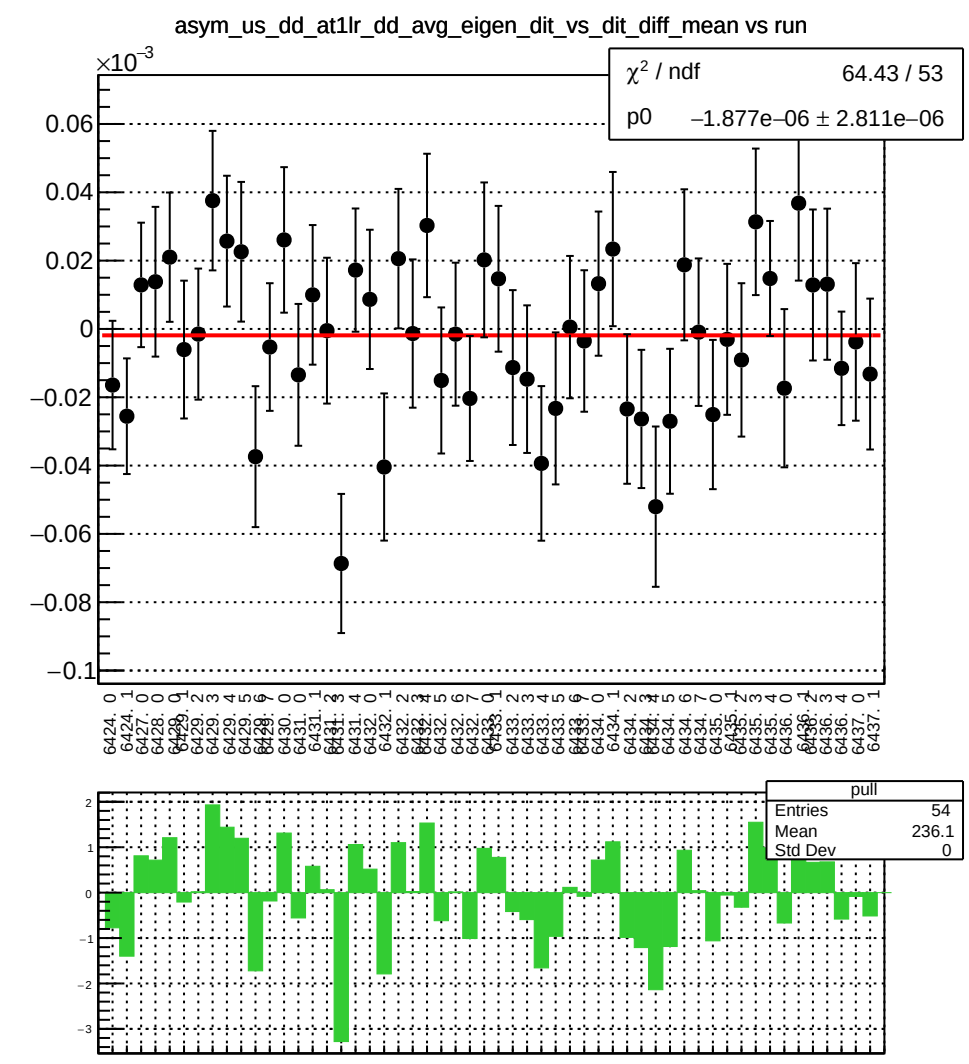

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.166e+05 / 53
p0 4.487e−12 ± 9.887e−15
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

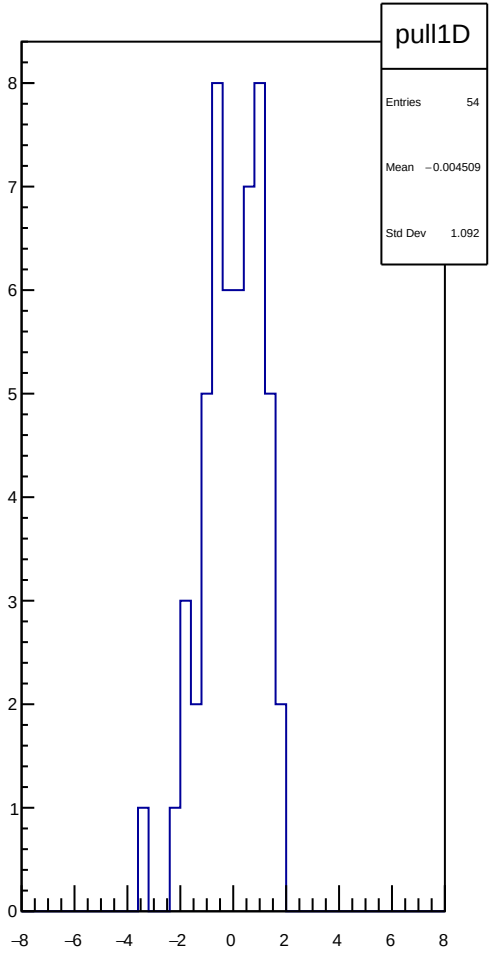

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.8 / 53
p0 0.00923 ± 0.05761
pull
Entries 54
Mean 80.3
Std Dev 0
pull1D
Entries 54
Mean 0.1154
Std Dev 1.131

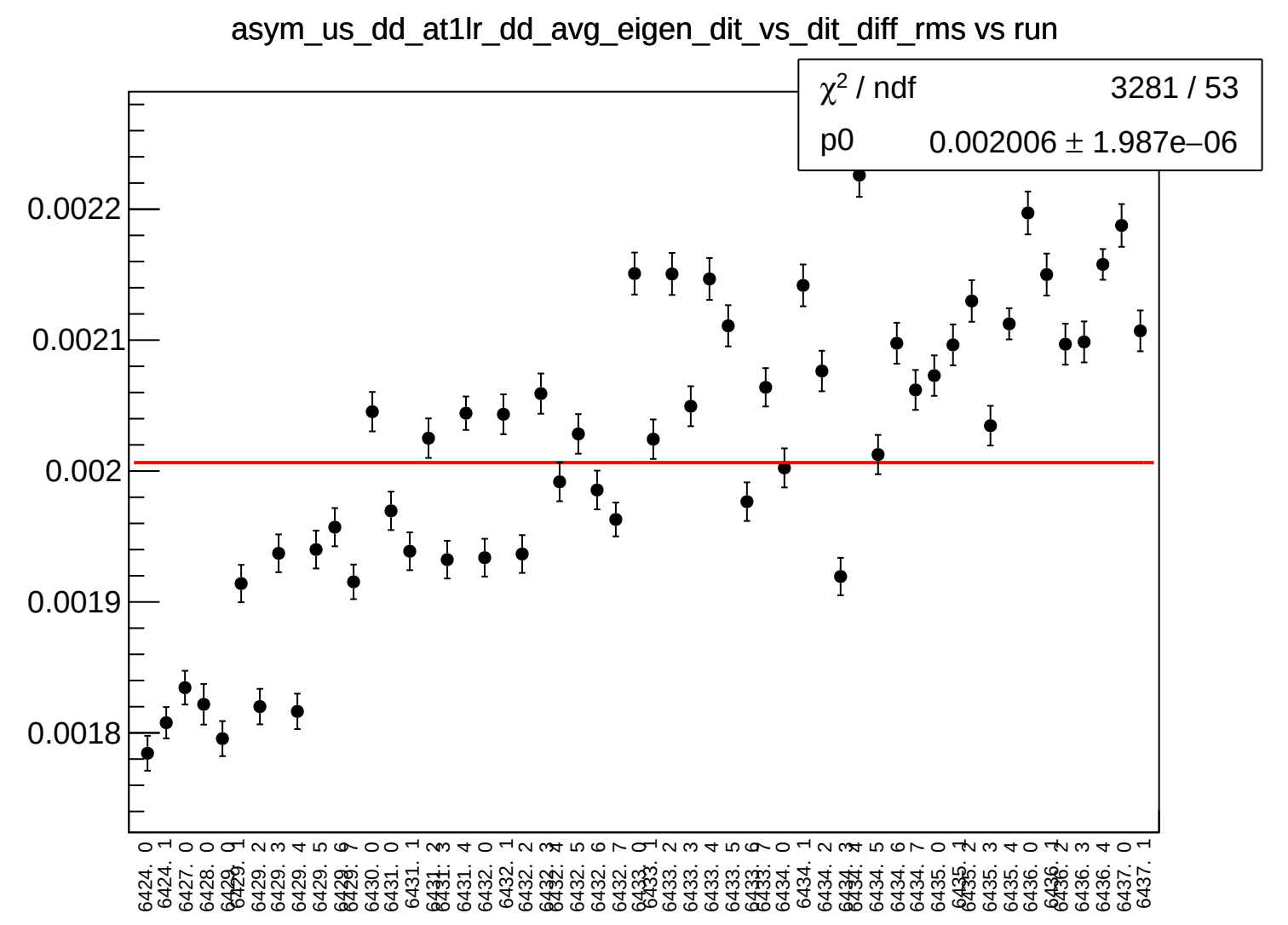

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.388e+05 / 53
p0 36.07 ± 0.04074
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

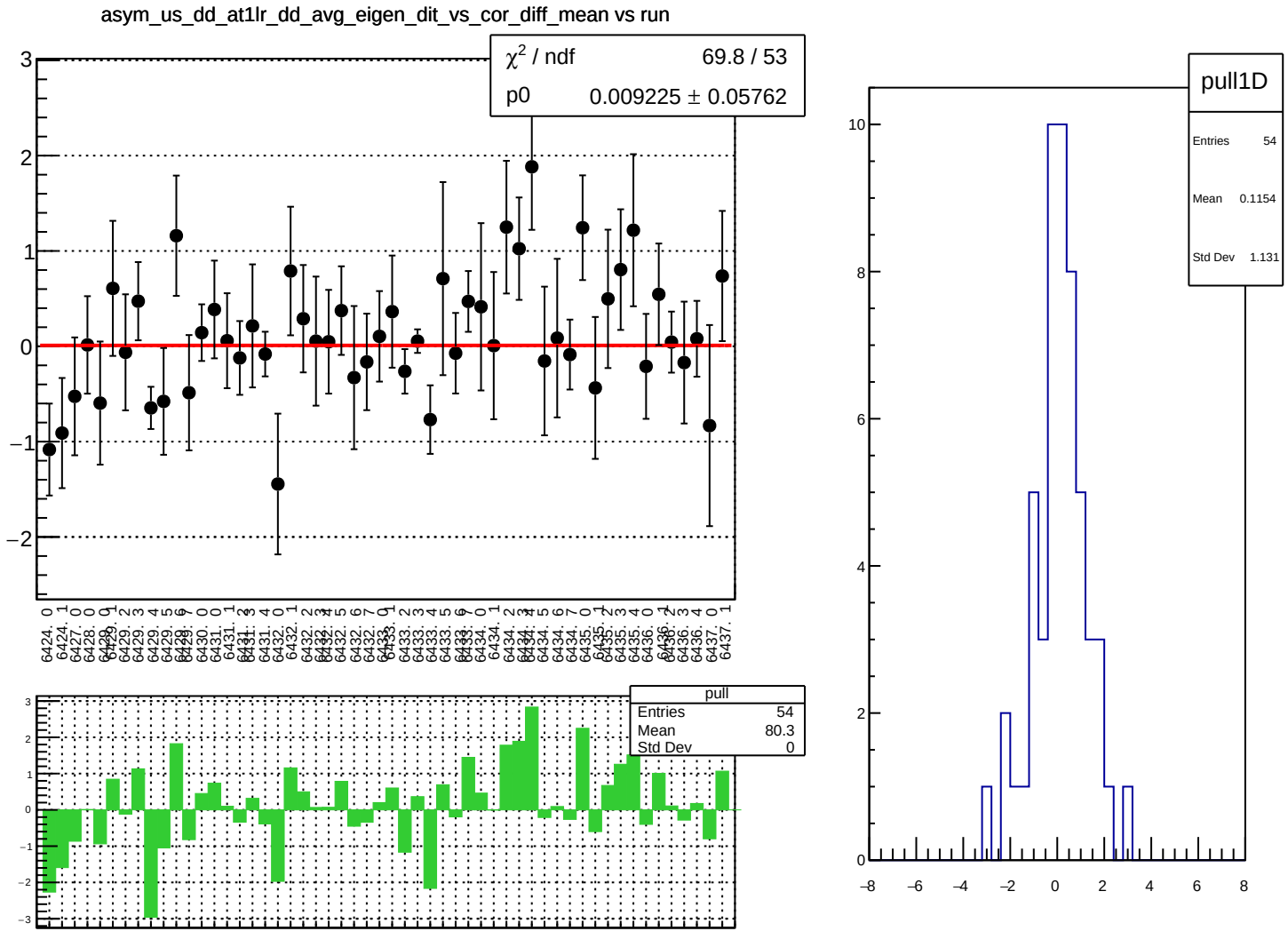

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.8 / 53
p0 0.00923 ± 0.05761
pull
Entries 54
Mean 80.3
Std Dev 0
pull1D
Entries 54
Mean 0.1154
Std Dev 1.131

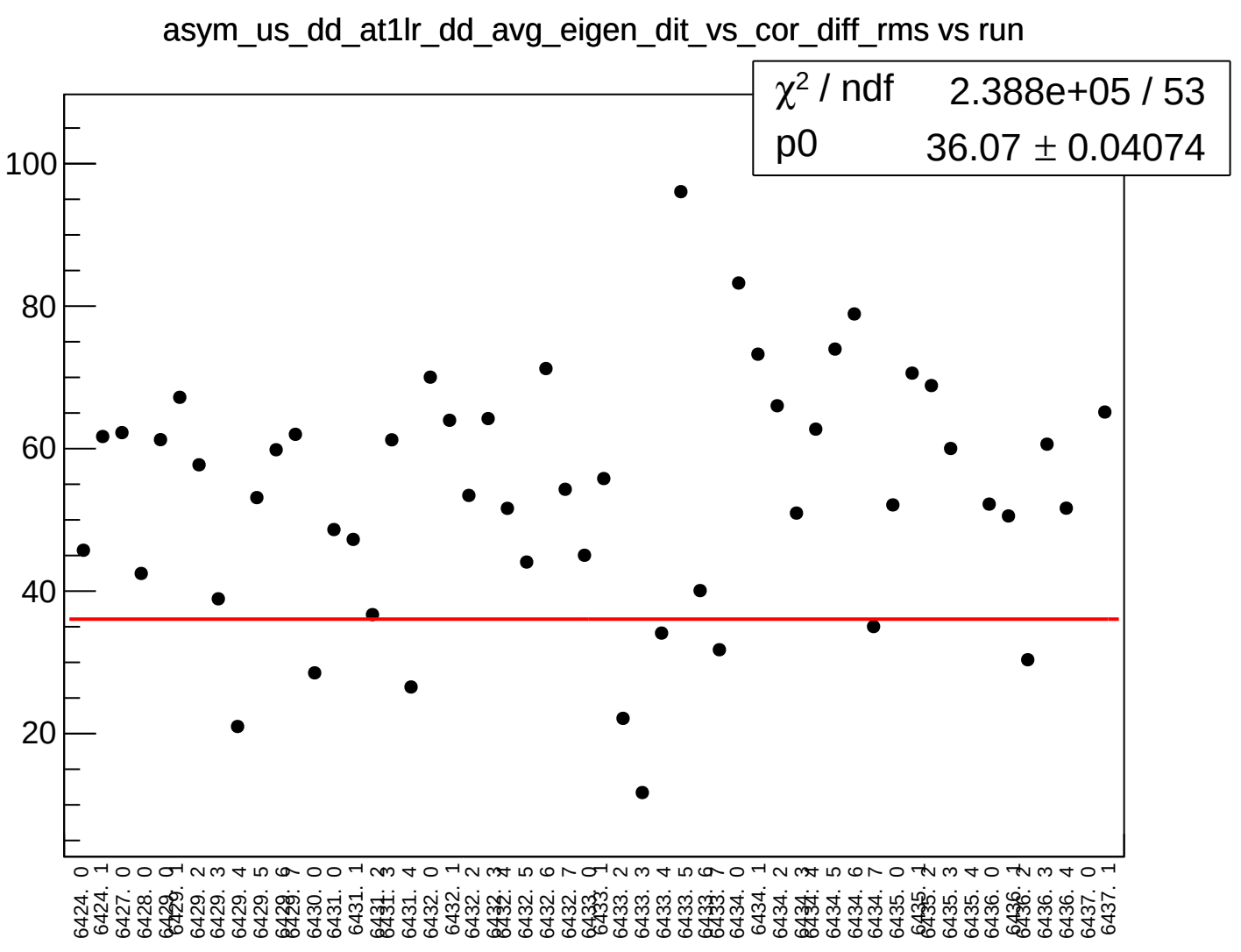

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.388e+05 / 53
p0 36.07 ± 0.04074
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

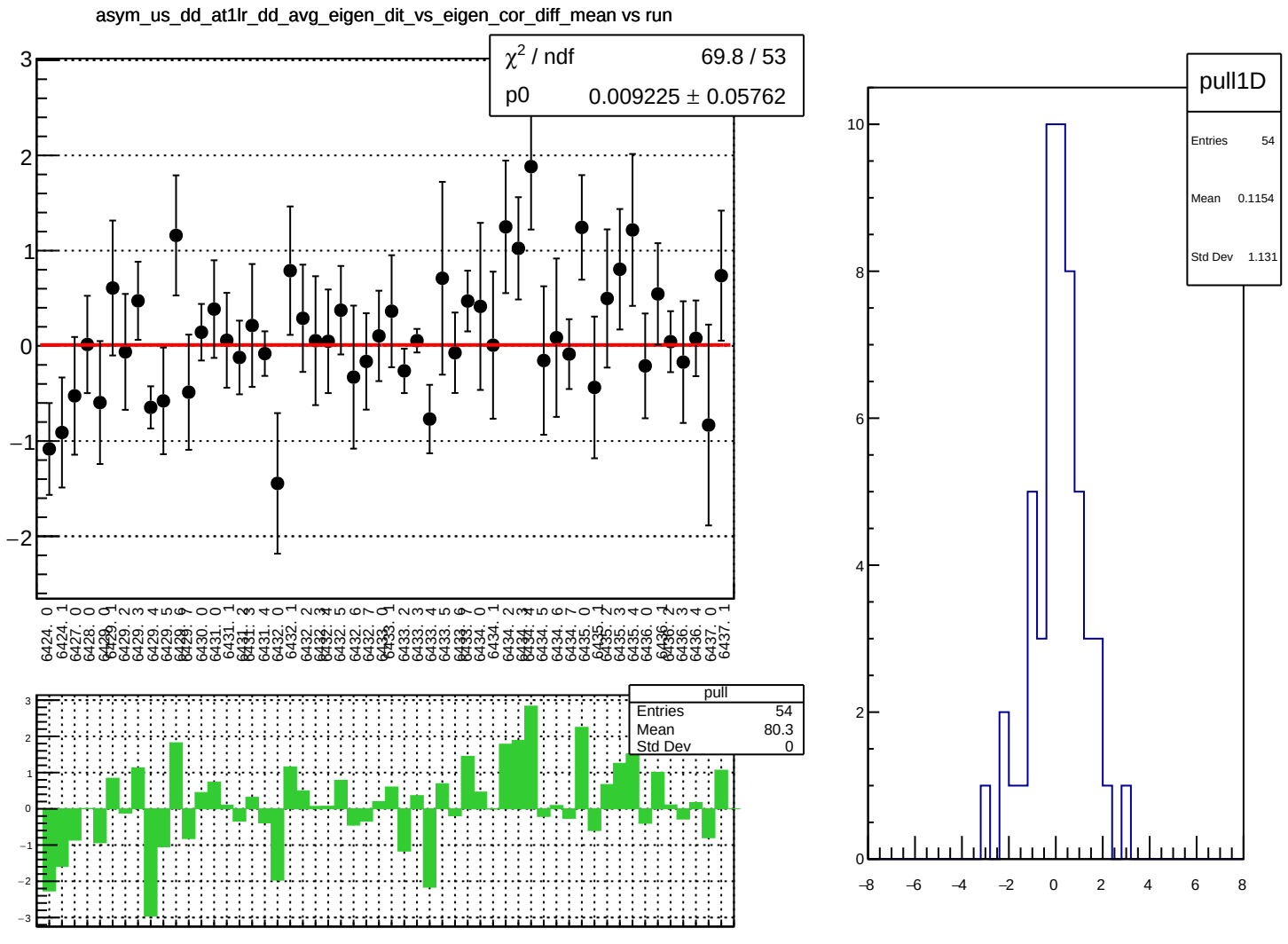

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.43 / 53
p0 −1.877e−06 ± 2.811e−06
pull
Entries 54
Mean 236.1
Std Dev 0

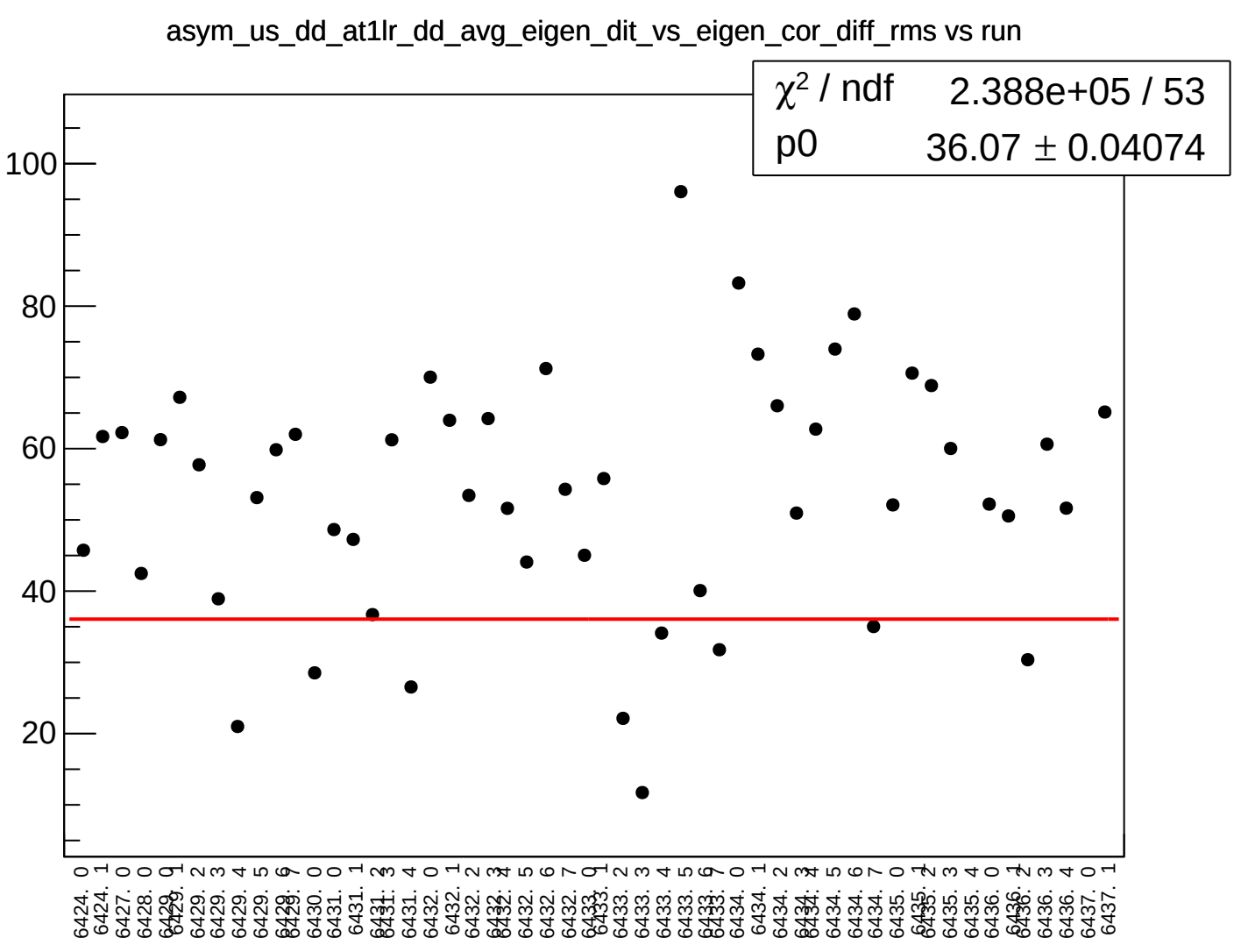

pull1D
Entries 54
Mean −0.004509
Std Dev 1.092

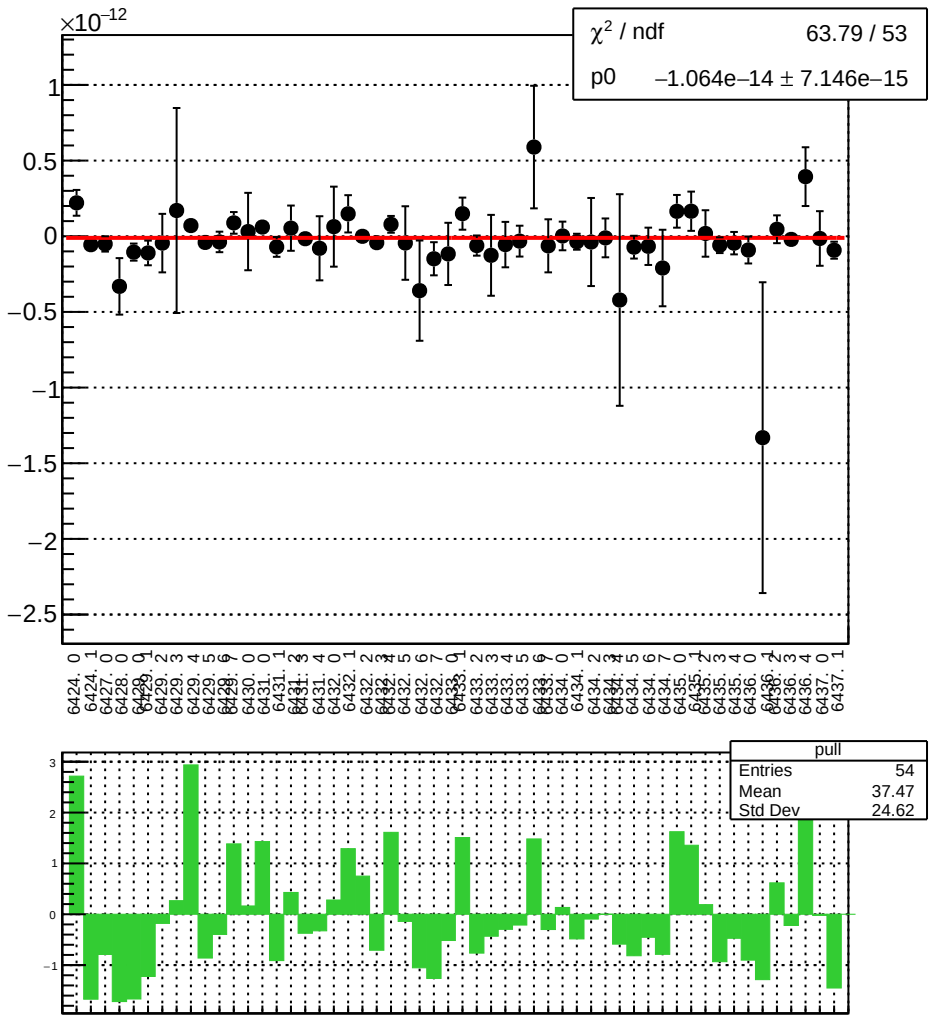

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3281 / 53
p0 0.002006 ± 1.987e−06
0.0022
0.0021
0.002
0.0019
0.0018
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

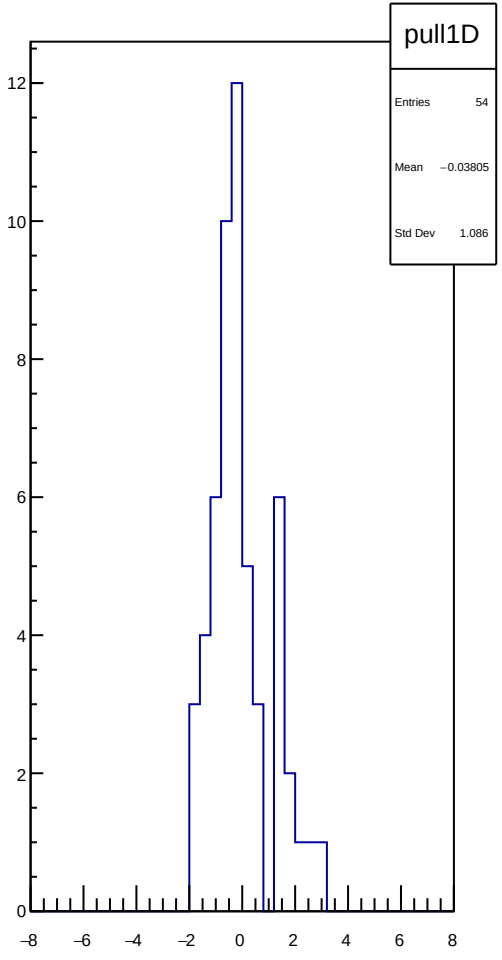

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.8 / 53
p0 0.009225 ± 0.05762
pull
Entries 54
Mean 80.3
Std Dev 0
pull1D
Entries 54
Mean 0.1154
Std Dev 1.131

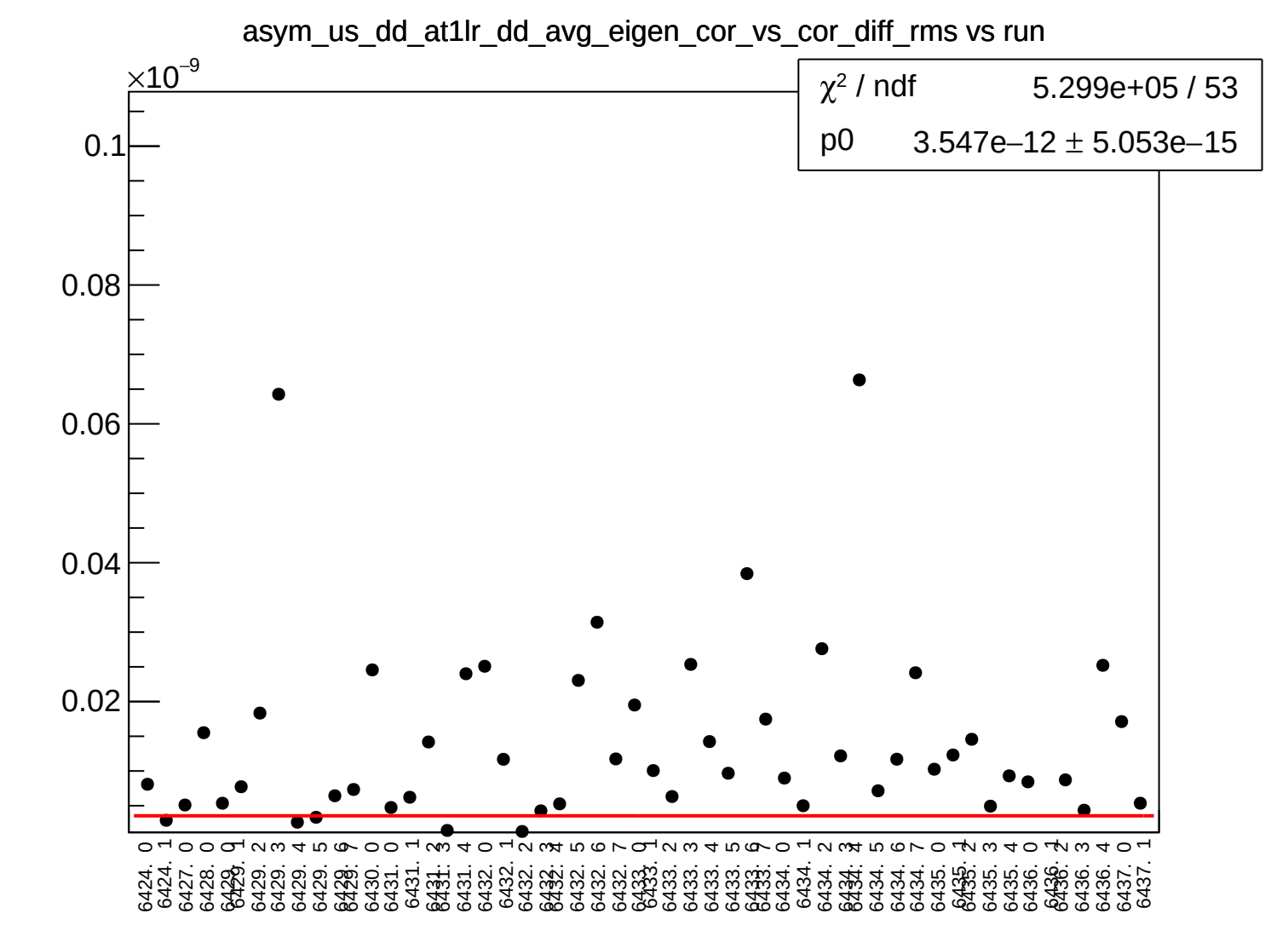

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.388e+05 / 53
p0 36.07 ± 0.04074
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

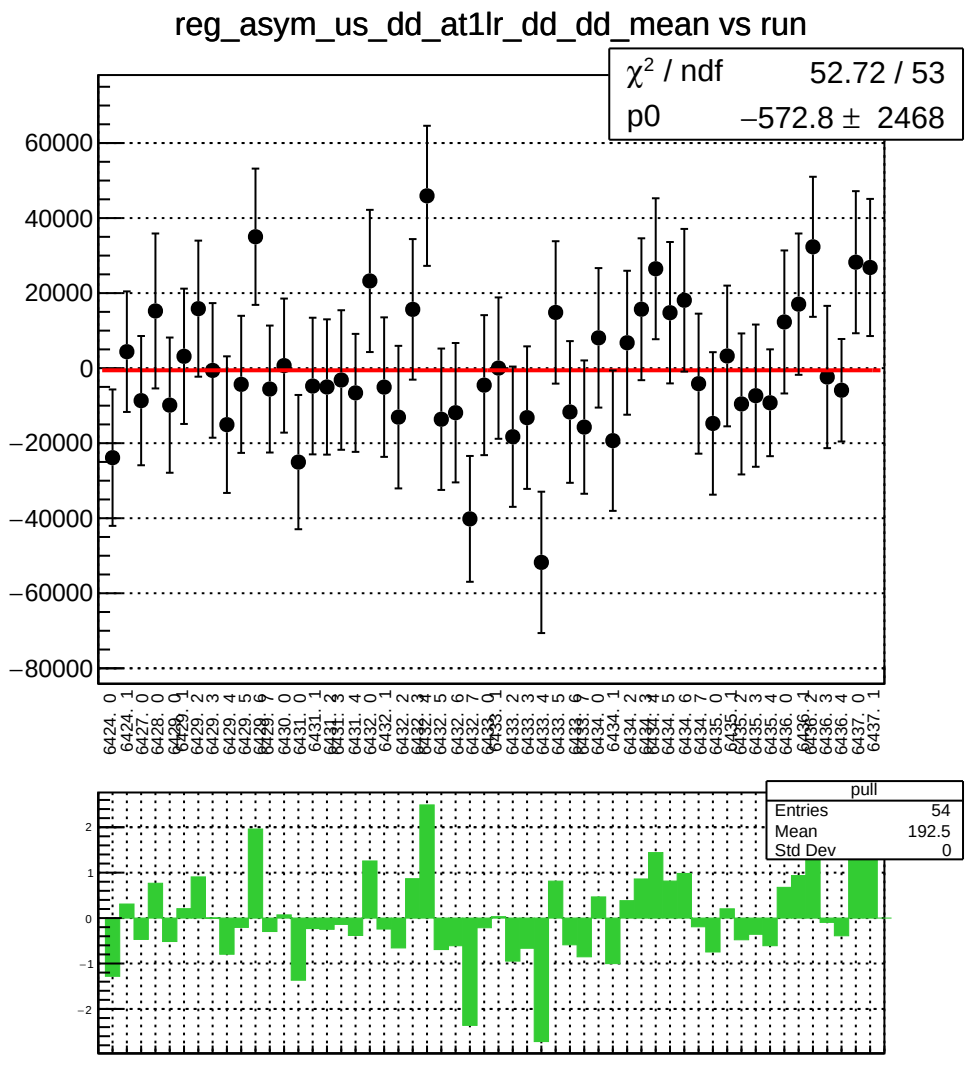

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.8 / 53
p0 0.009225 ± 0.05762
pull
Entries 54
Mean 80.3
Std Dev 0
pull1D
Entries 54
Mean 0.1154
Std Dev 1.131

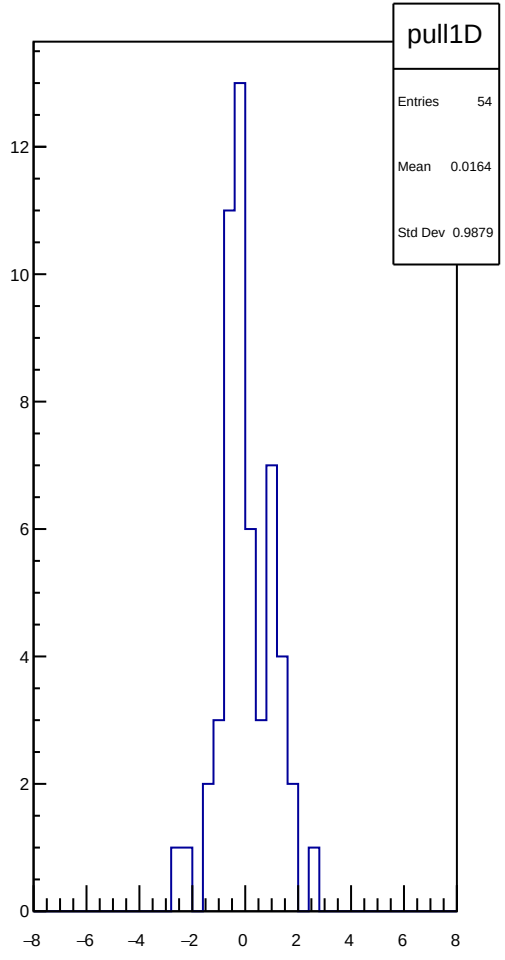

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.388e+05 / 53
p0 36.07 ± 0.04074
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

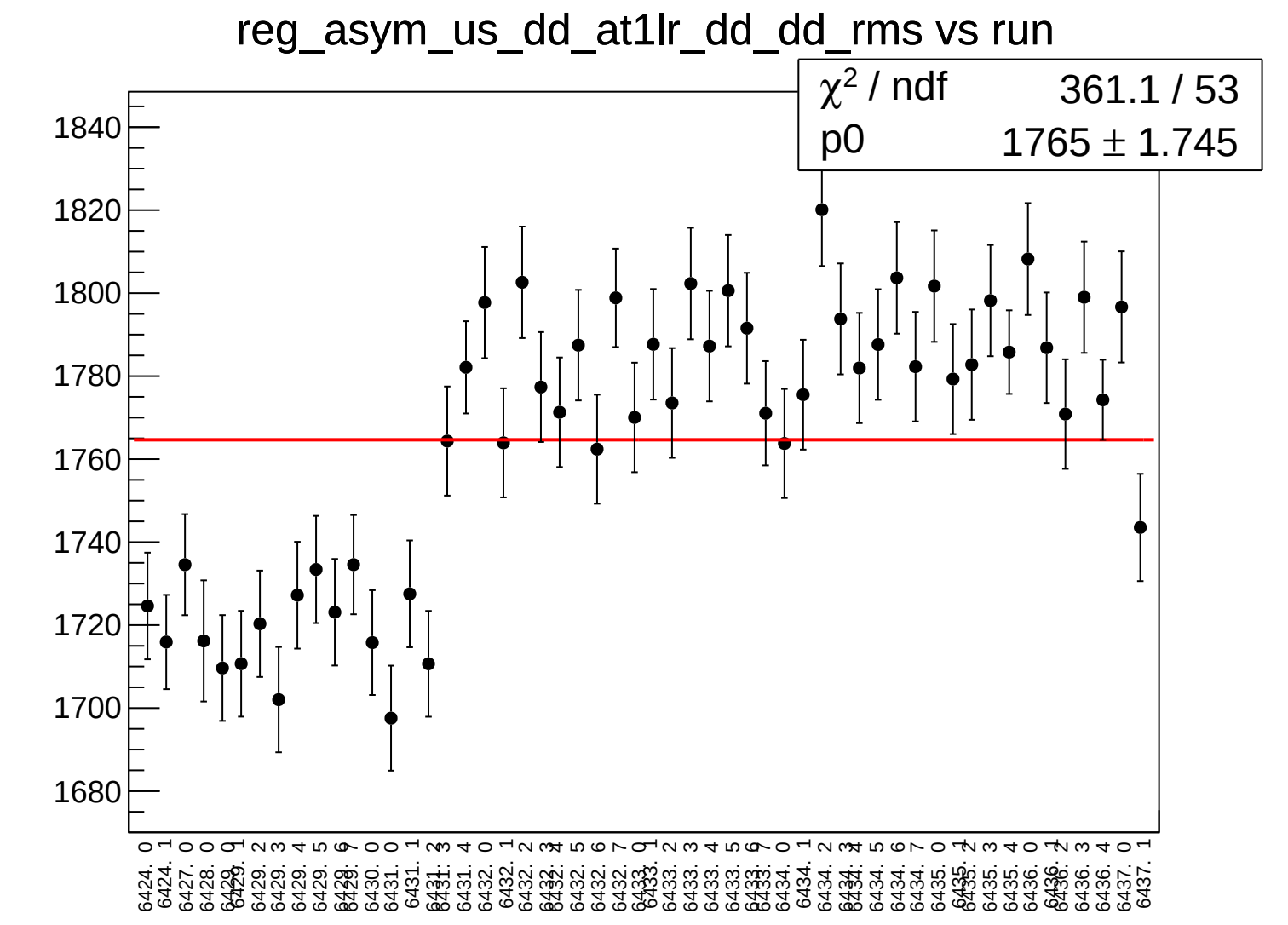

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.79 / 53
p0 −1.064e−14 ± 7.146e−15
pull
Entries 54
Mean 37.47
Std Dev 24.62

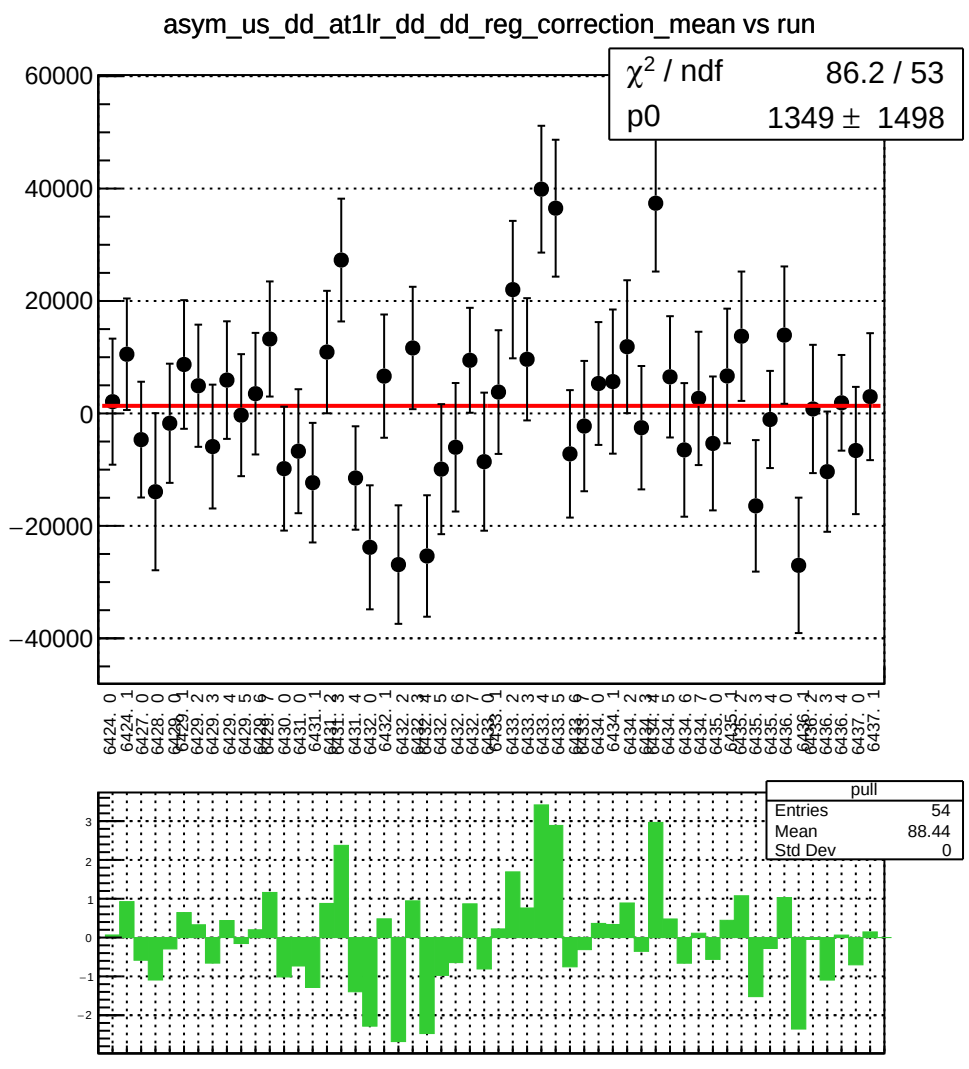

pull1D
Entries 54
Mean −0.03805
Std Dev 1.086

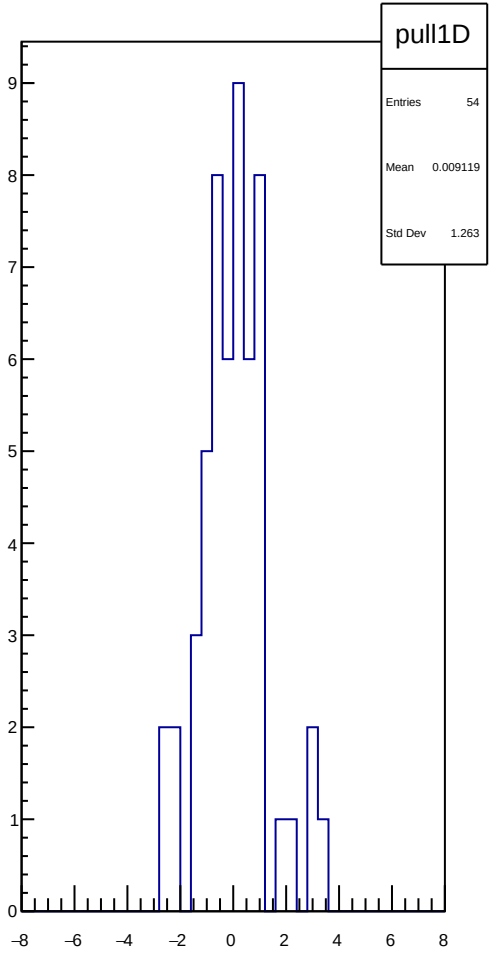

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.299e+05 / 53
p0 3.547e−12 ± 5.053e−15
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

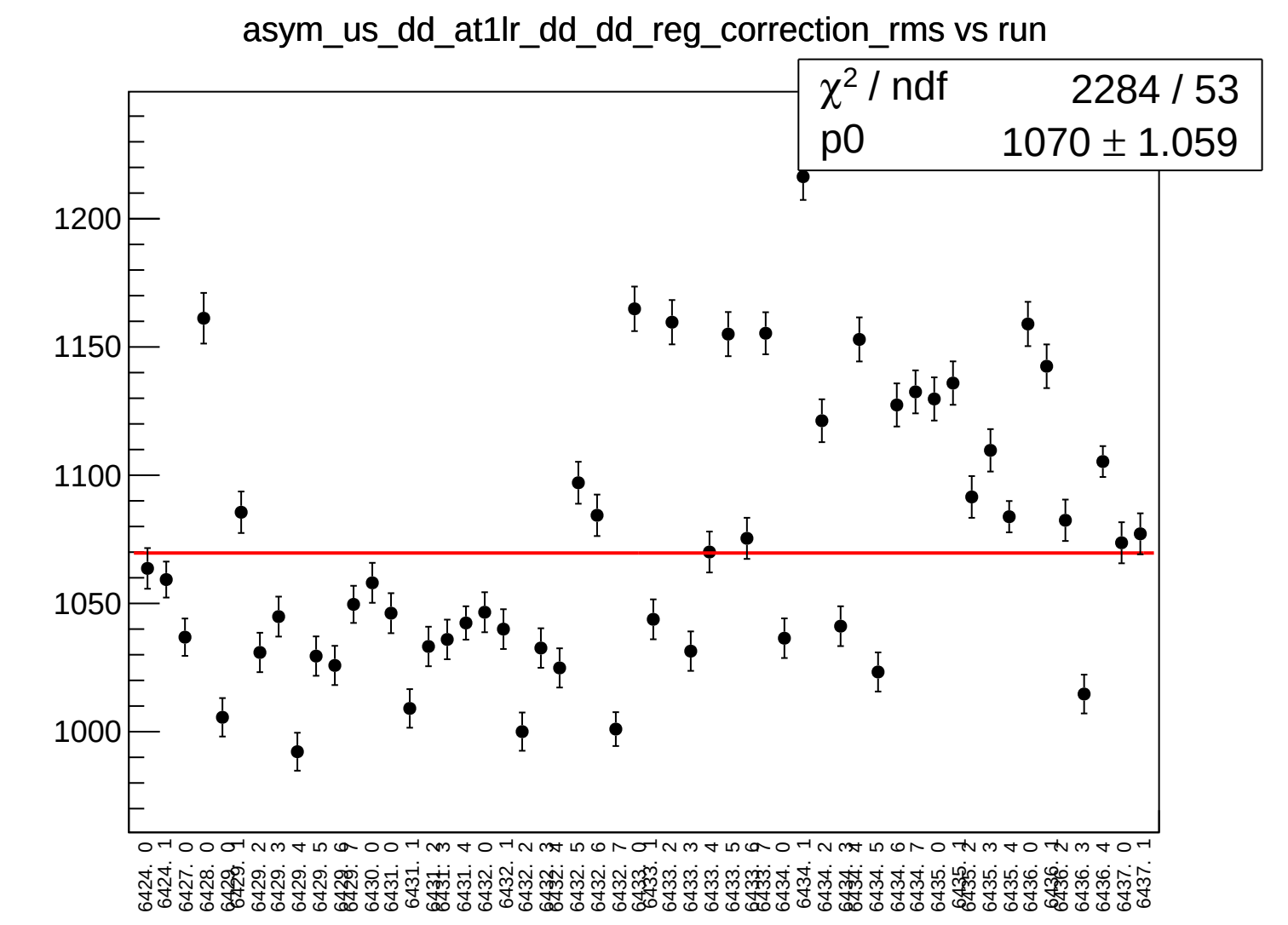

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 52.72 / 53
p0 −572.8 ± 2468
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 192.5
Std Dev 0
2
1
0
−1
−2

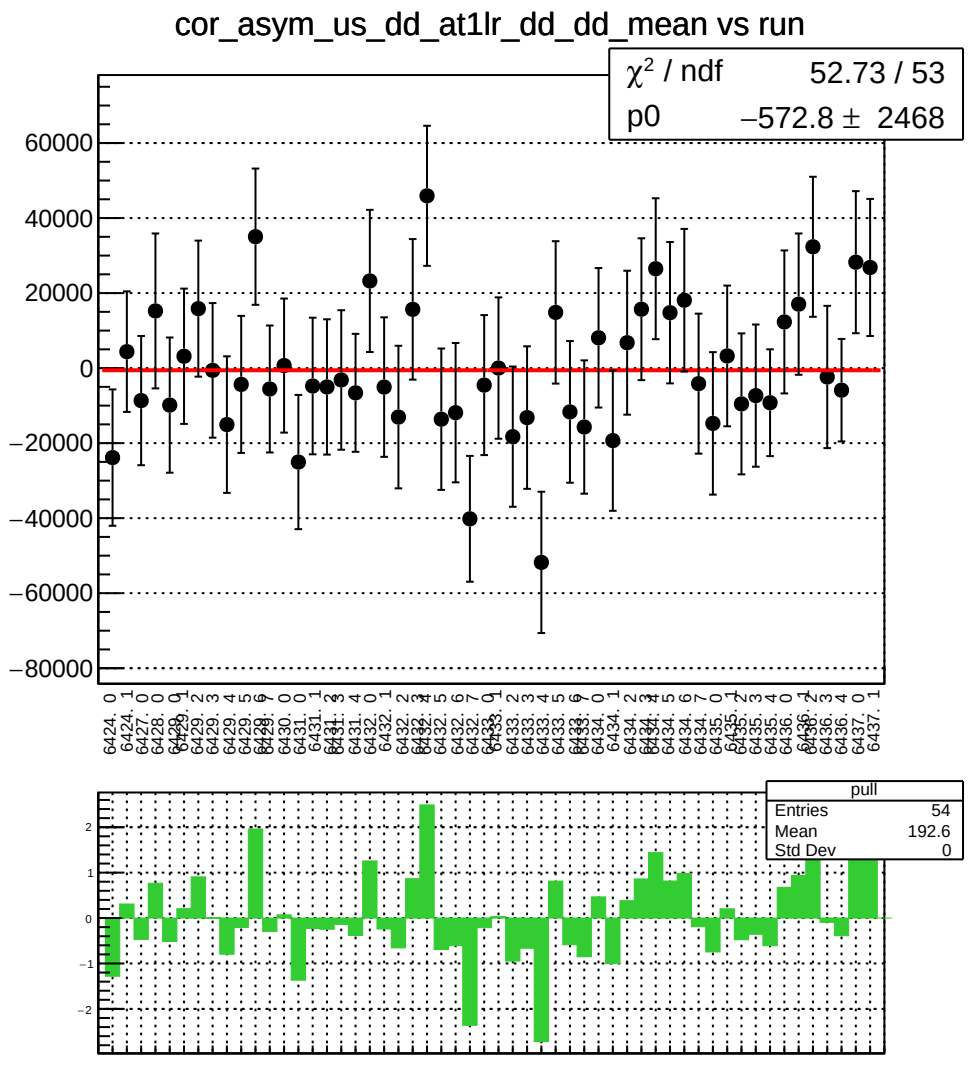

pull1D
Entries 54
Mean 0.0164
Std Dev 0.9879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

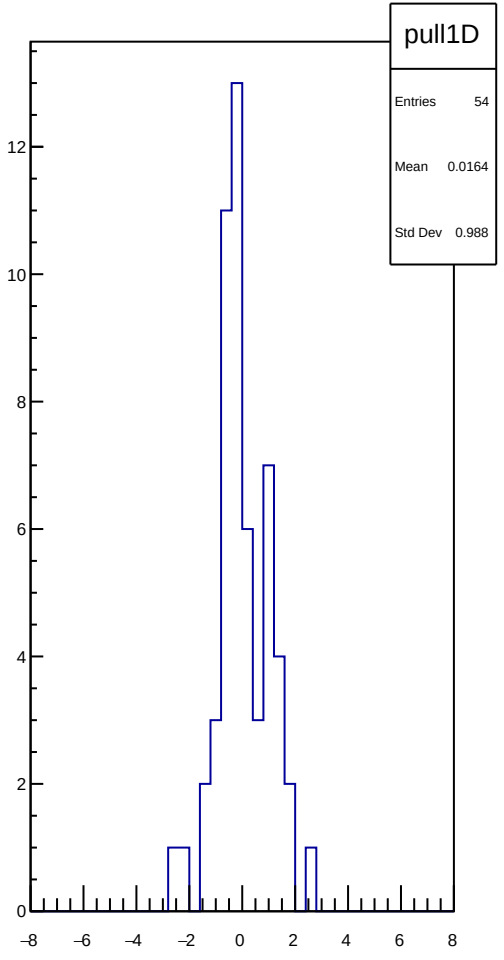

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 361.1 / 53
p0 1765 ± 1.745
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

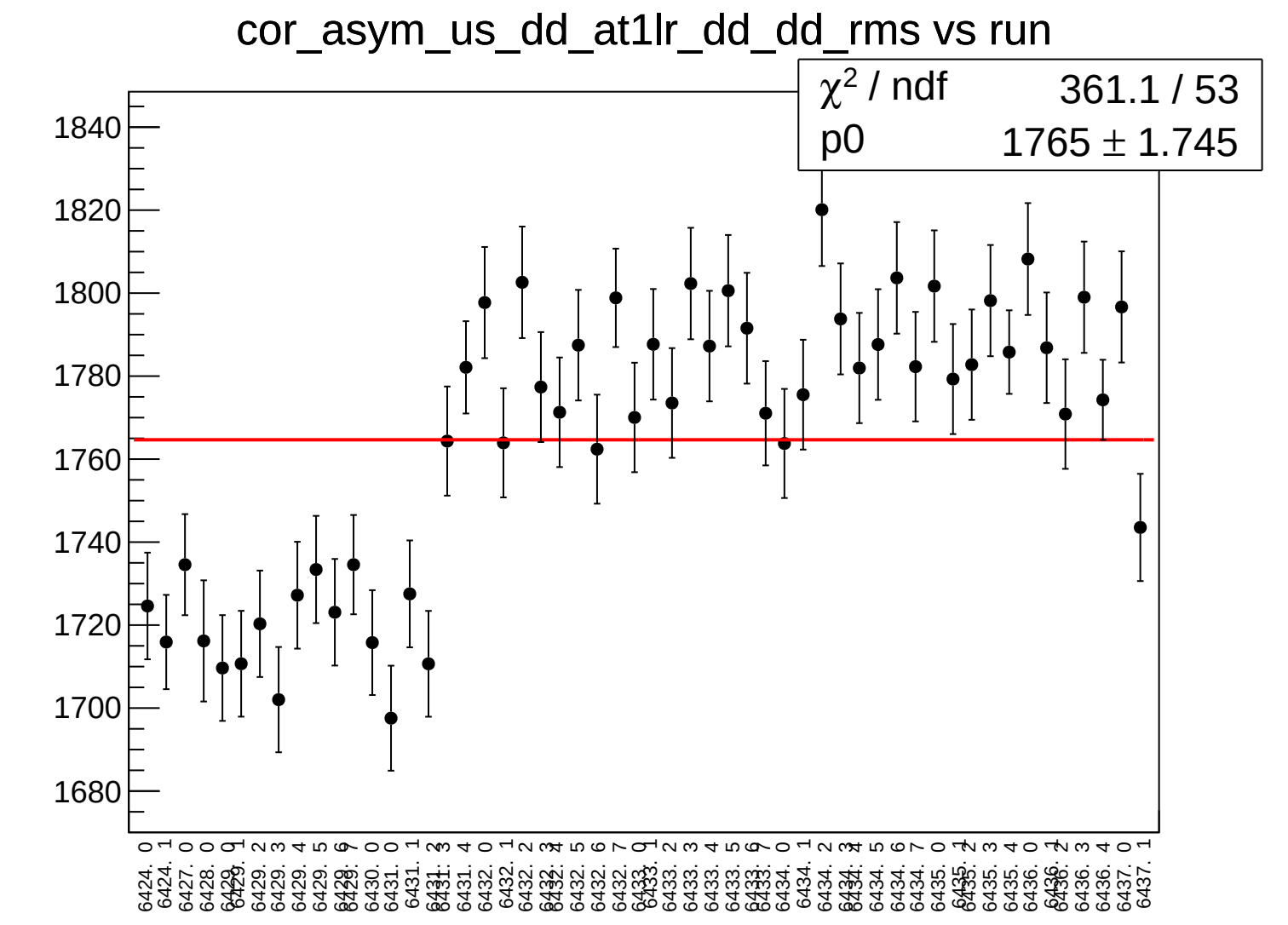

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 86.2 / 53
p0 1349 ± 1498
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 88.44
Std Dev 0
3
2
1
0
−1
−2

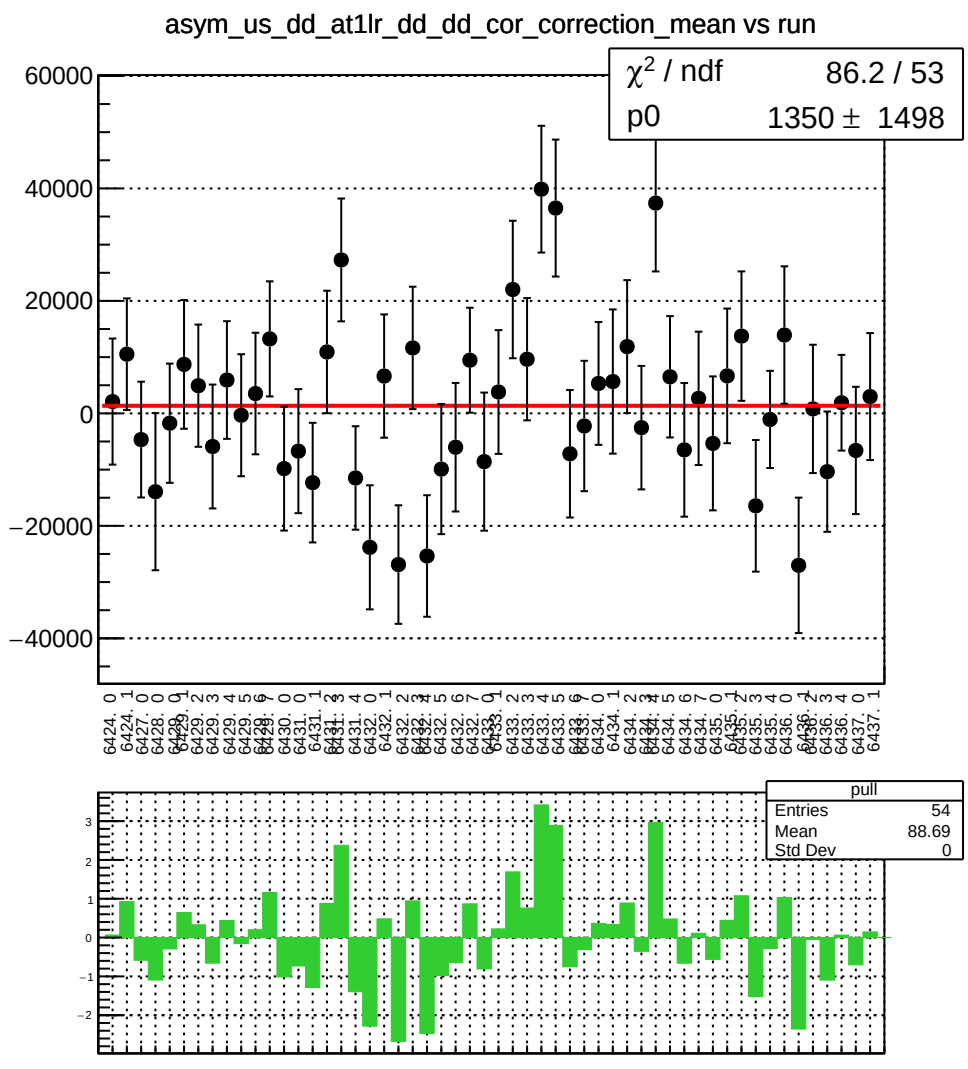

pull1D
Entries 54
Mean 0.009119
Std Dev 1.263
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

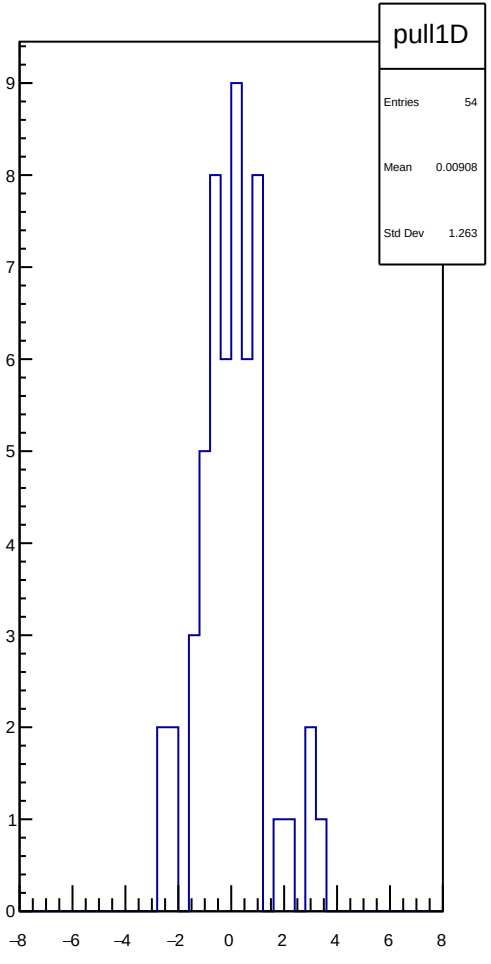

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ^2 / ndf 2284 / 53
p0 1070 ± 1.059
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

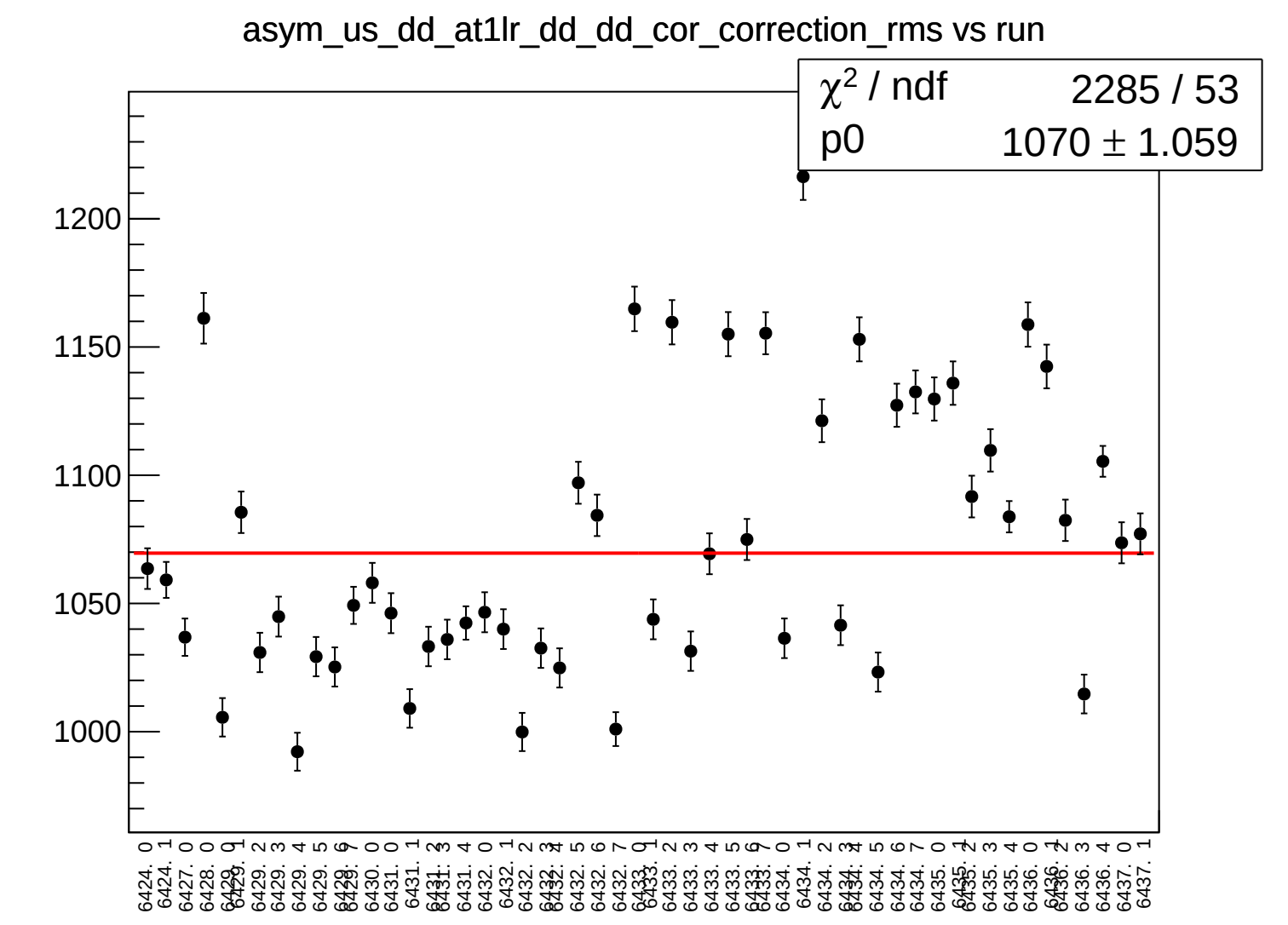

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 52.73 / 53
p0 −572.8 ± 2468
pull
Entries 54
Mean 192.6
Std Dev 0

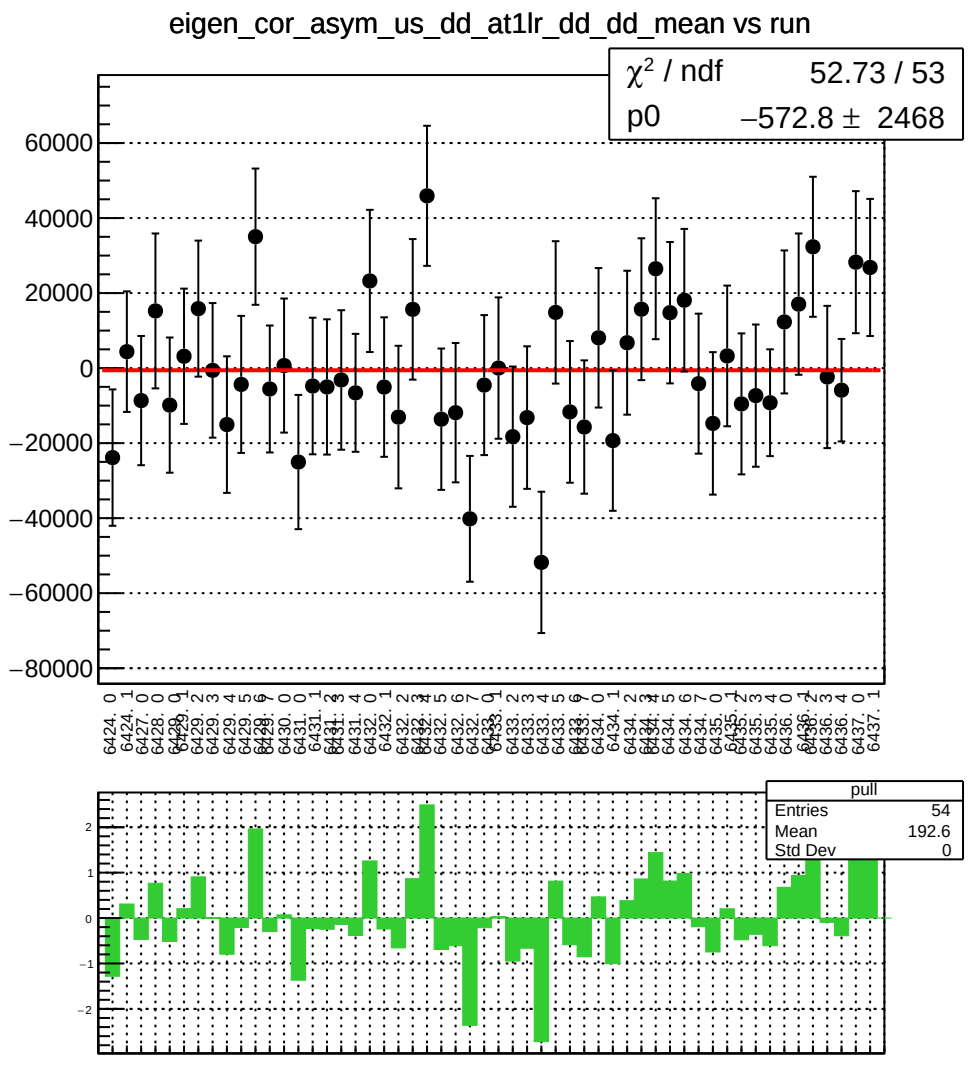

pull1D
Entries 54
Mean 0.0164
Std Dev 0.988

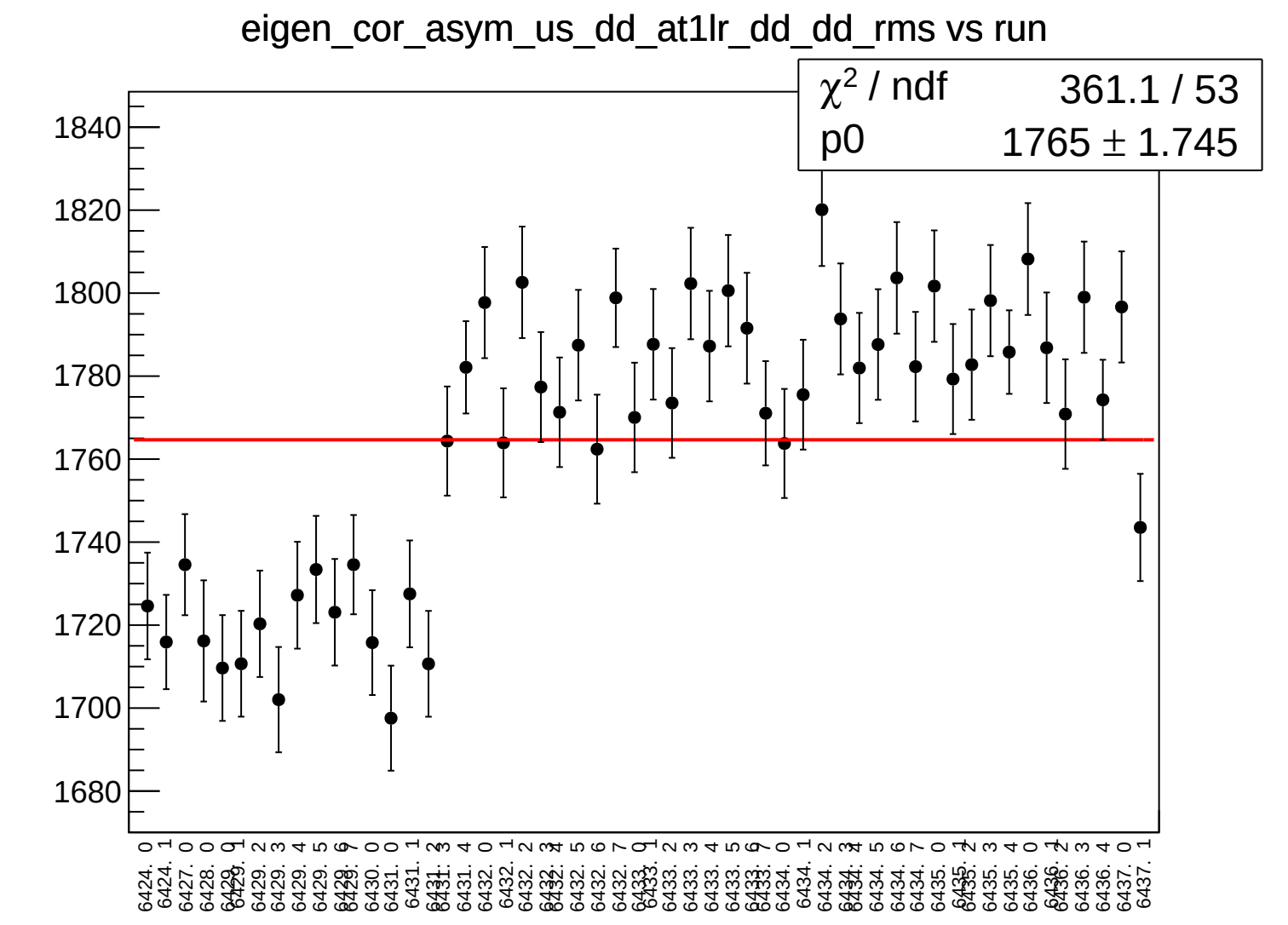

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 361.1 / 53
p0 1765 ± 1.745
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

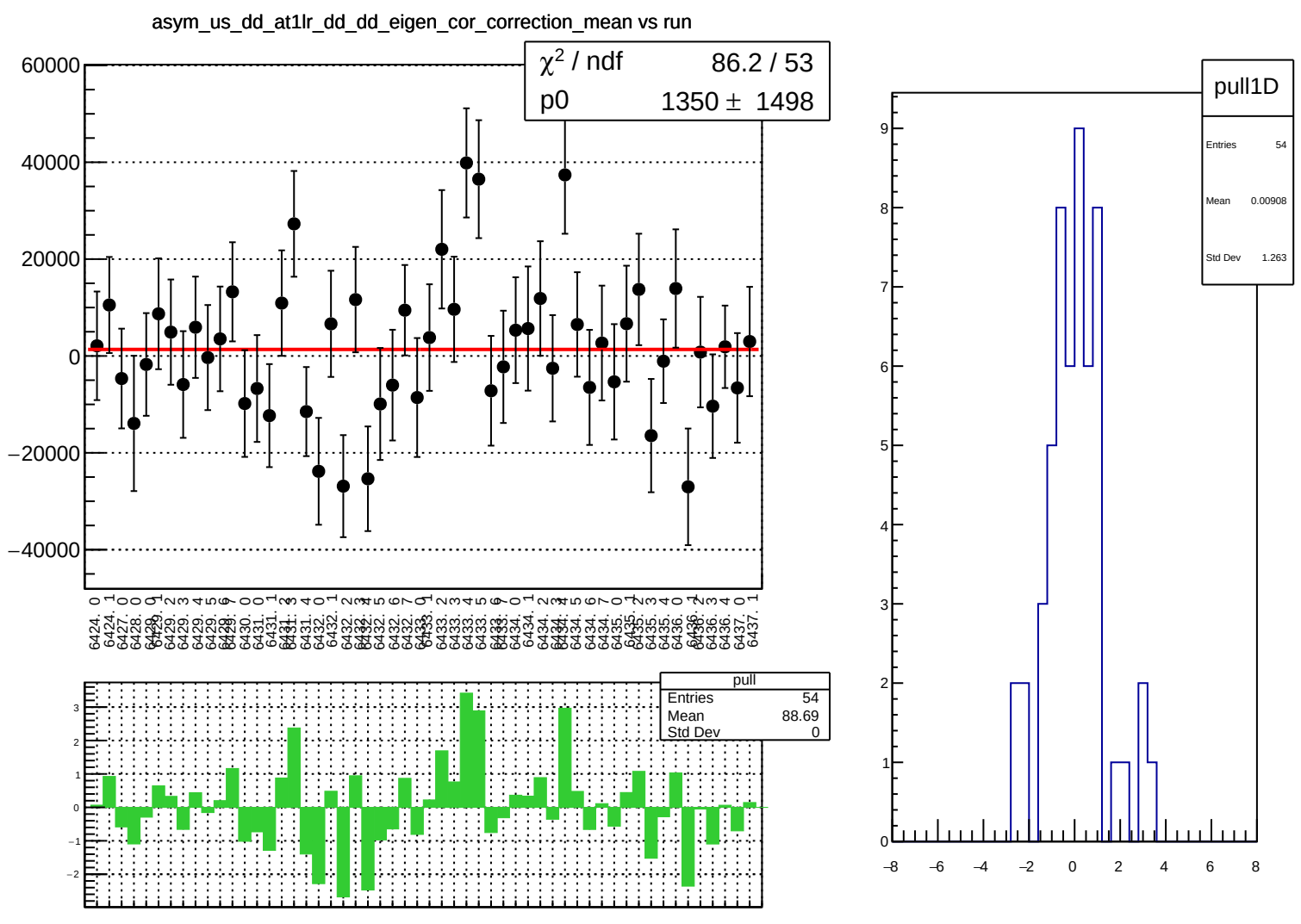

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 86.2 / 53
p0 1350 ± 1498
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 88.69
Std Dev 0
3
2
1
0
−1
−2

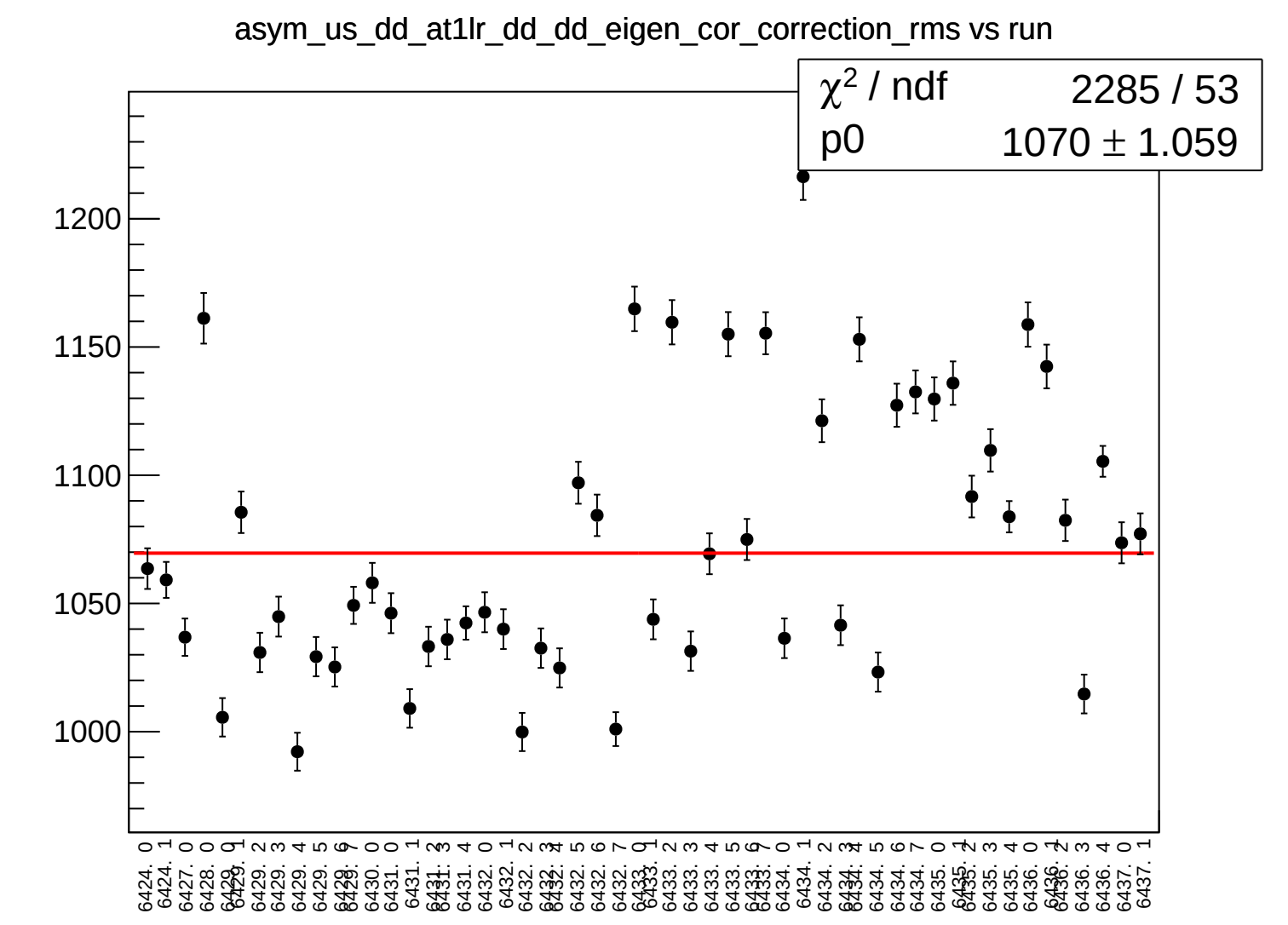

pull1D
Entries 54
Mean 0.00908
Std Dev 1.263
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

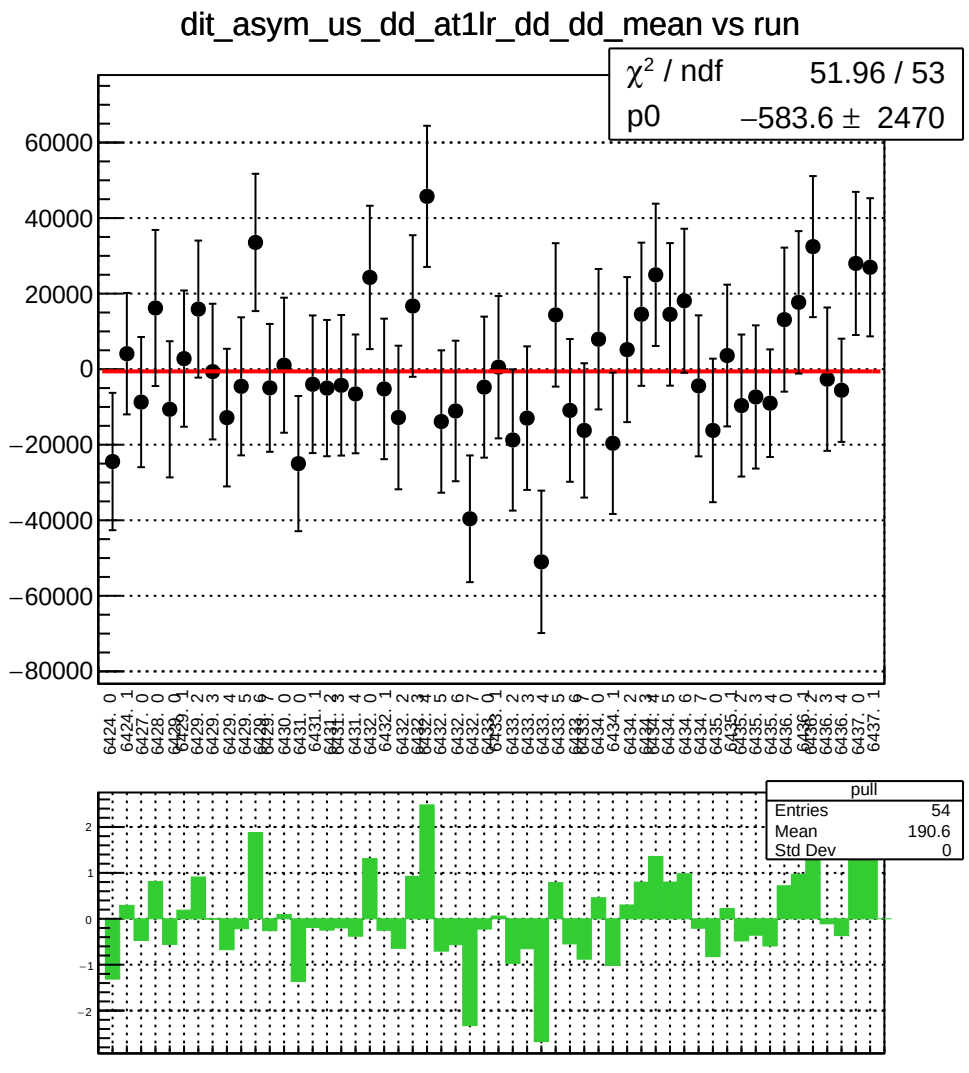

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2285 / 53
p0 1070 ± 1.059
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

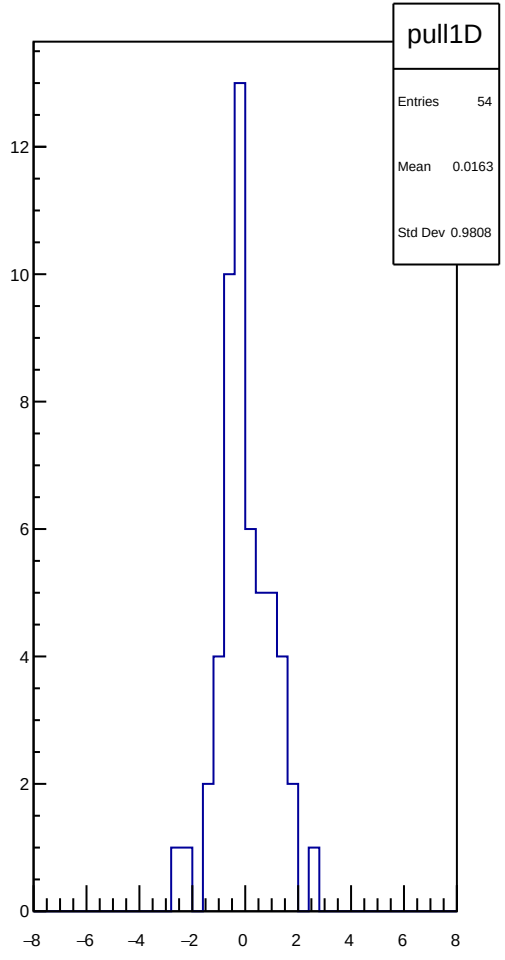

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 52.73 / 53
p0 −572.8 ± 2468
pull
Entries 54
Mean 192.6
Std Dev 0
pull1D
Entries 54
Mean 0.0164
Std Dev 0.988

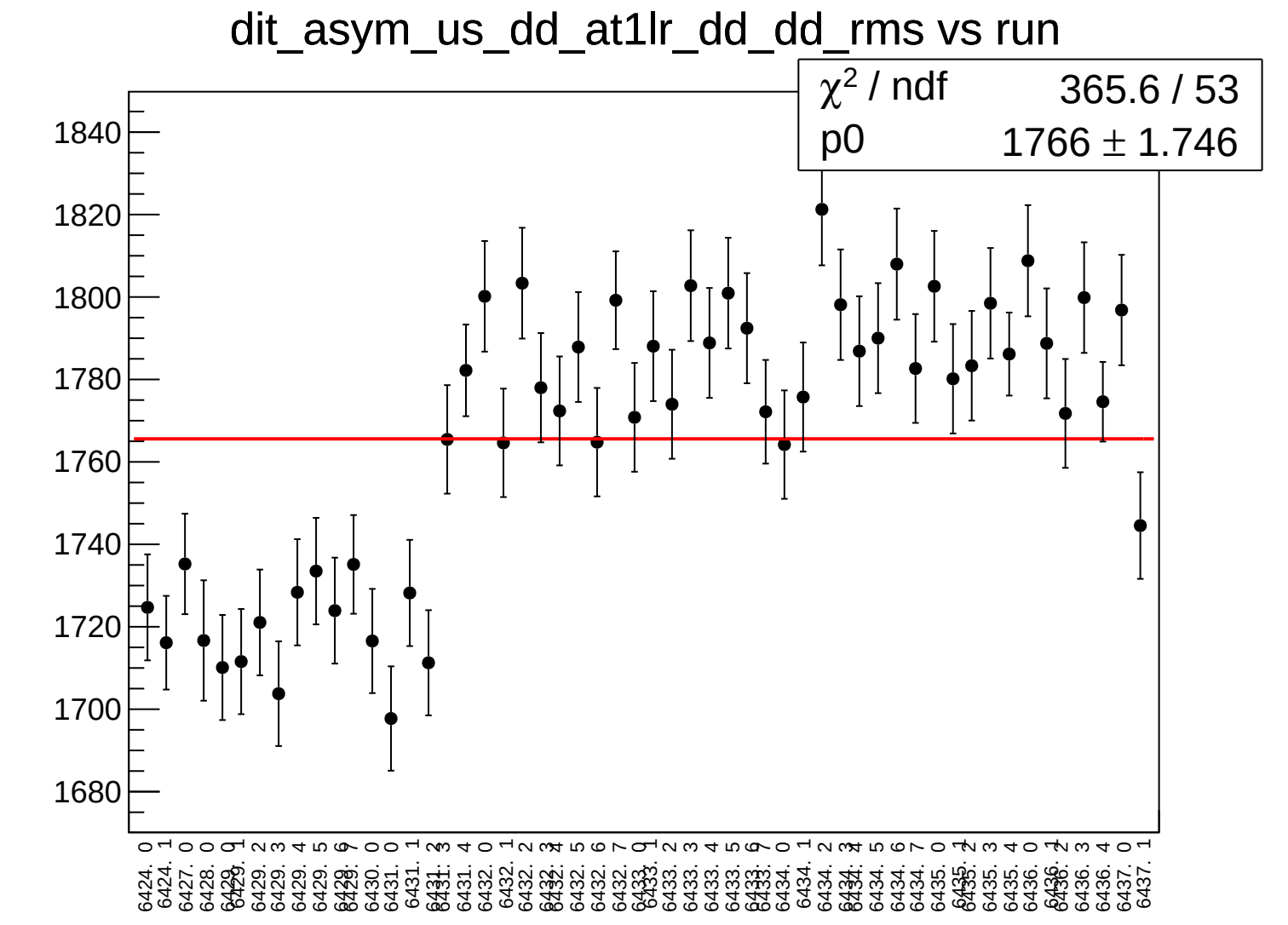

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 361.1 / 53
p0 1765 ± 1.745
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

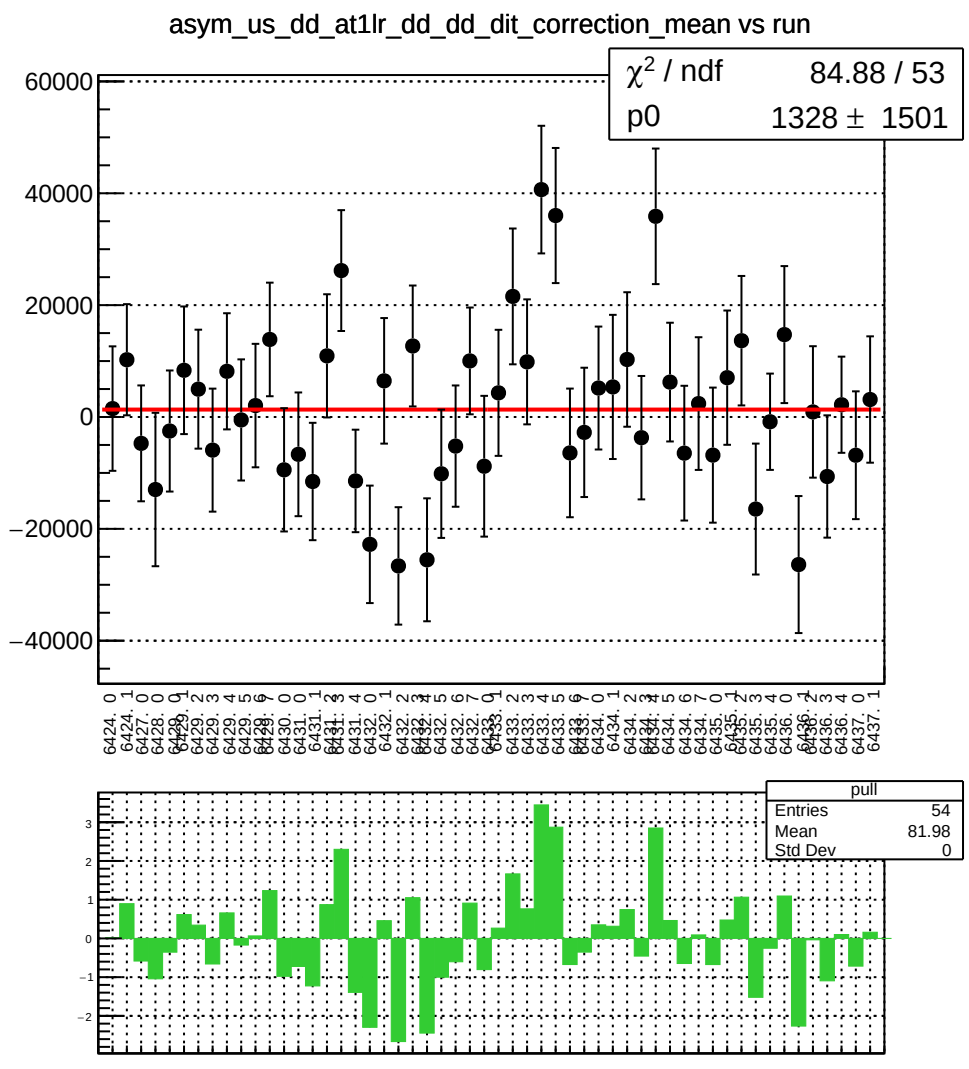

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 86.2 / 53
p0 1350 ± 1498
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 88.69
Std Dev 0
pull1D
Entries 54
Mean 0.00908
Std Dev 1.263

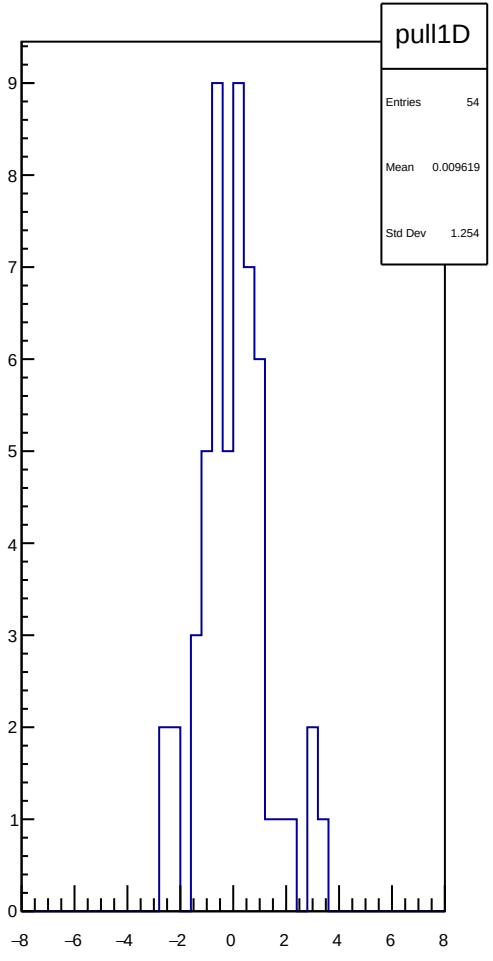

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2285 / 53
p0 1070 ± 1.059
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 51.96 / 53
p0 −583.6 ± 2470
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 190.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0163
Std Dev 0.9808
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 365.6 / 53
p0 1766 ± 1.746
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 84.88 / 53
p0 1328 ± 1501
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 81.98
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.009619
Std Dev 1.254
9
8
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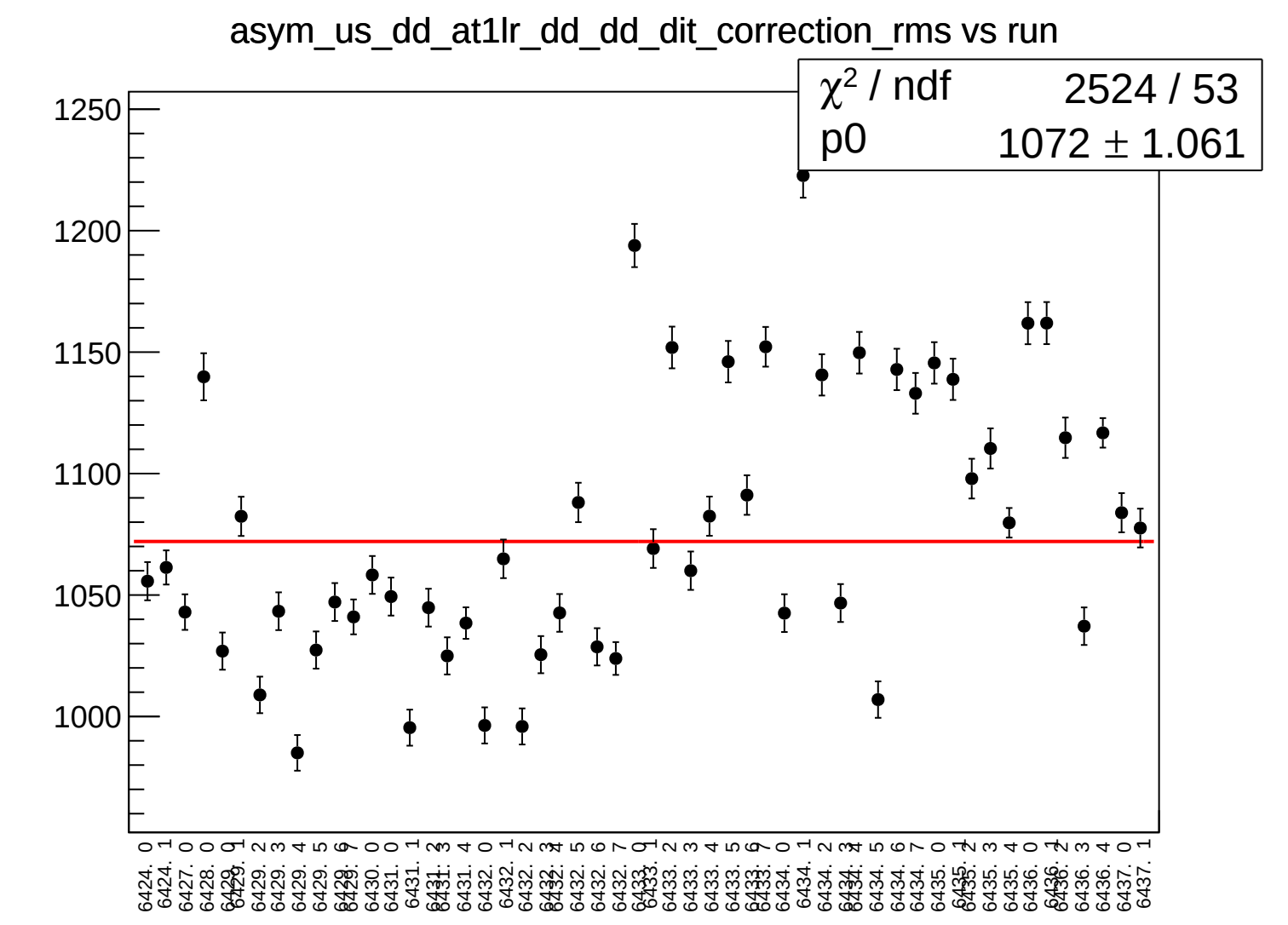
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2524 / 53
p0 1072 ± 1.061
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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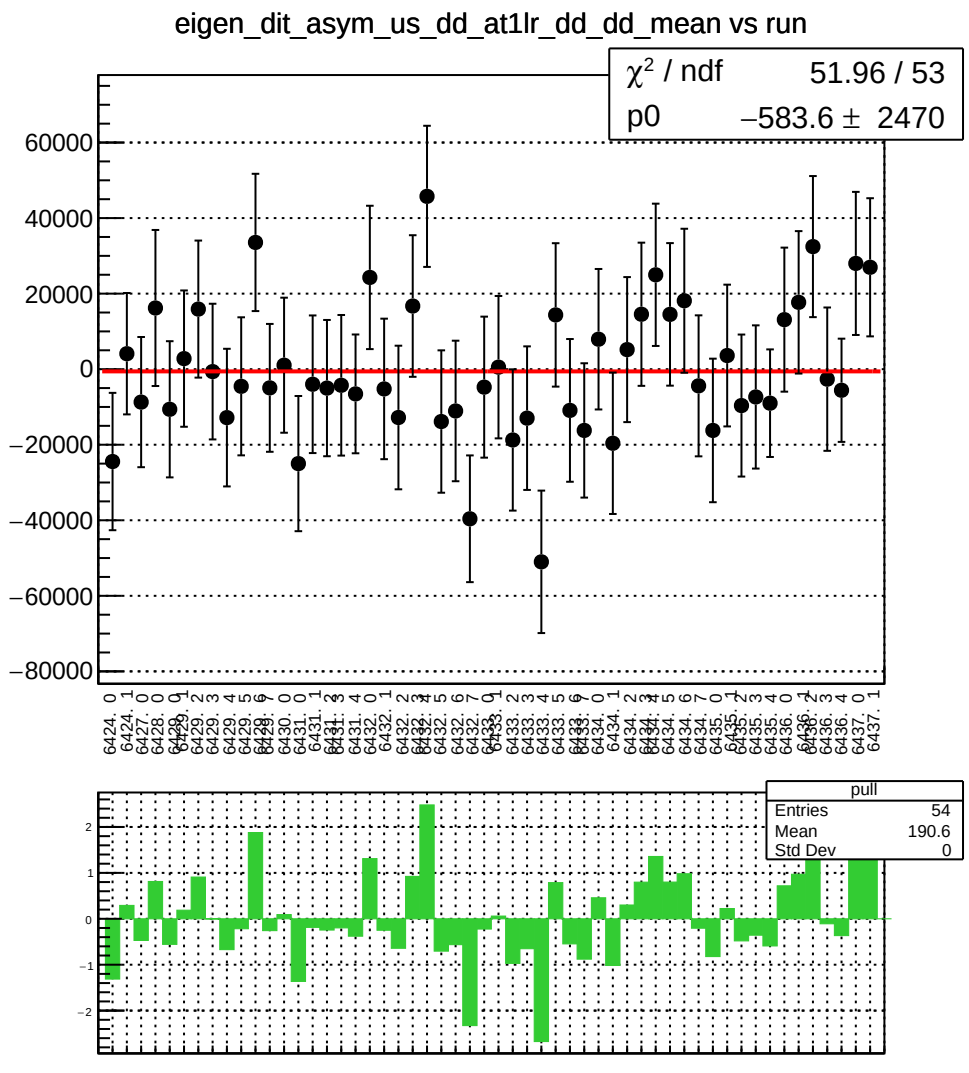
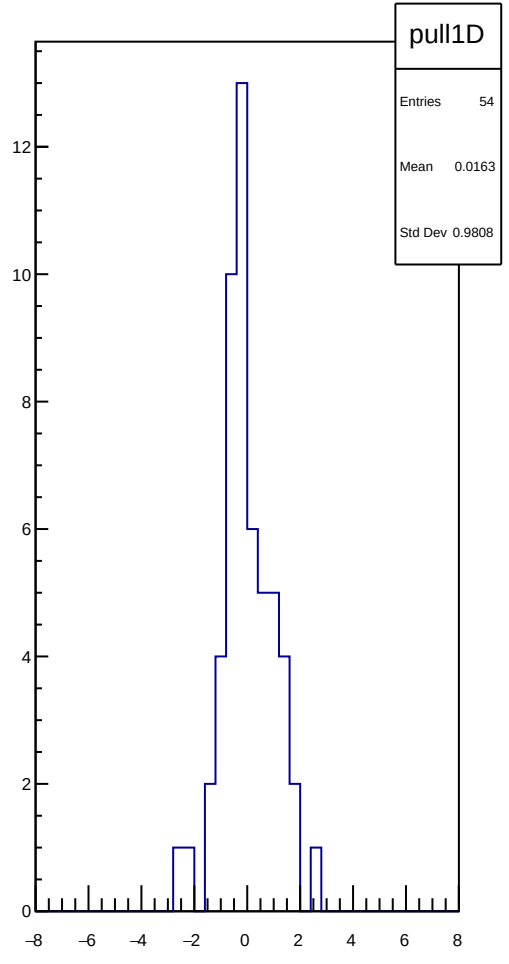
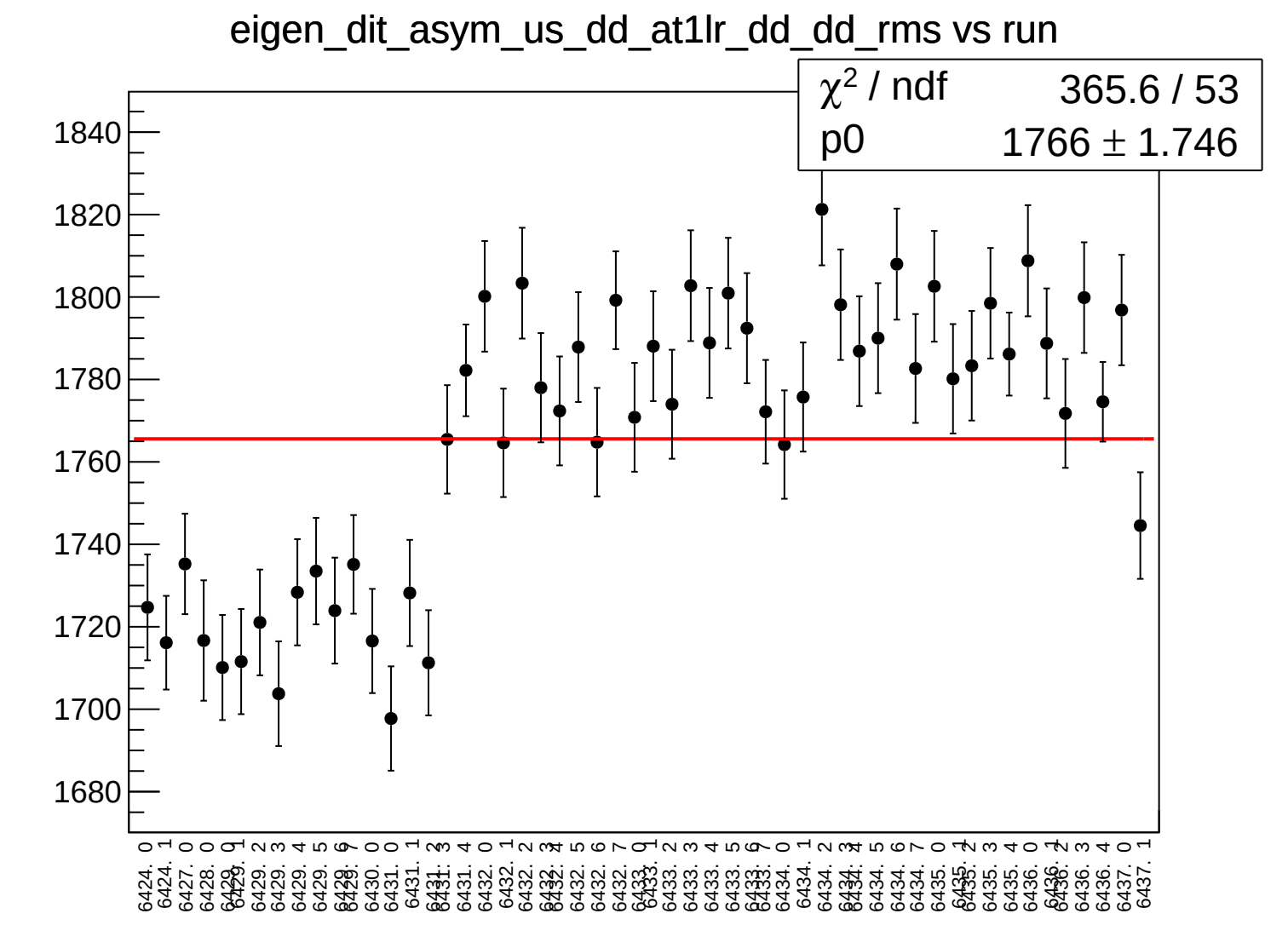
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 51.96 / 53
p0 −583.6 ± 2470
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 190.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0163
Std Dev 0.9808
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 365.6 / 53
p0 1766 ± 1.746
1840
1820
1800
1780
1760
1740
1720
1700
1680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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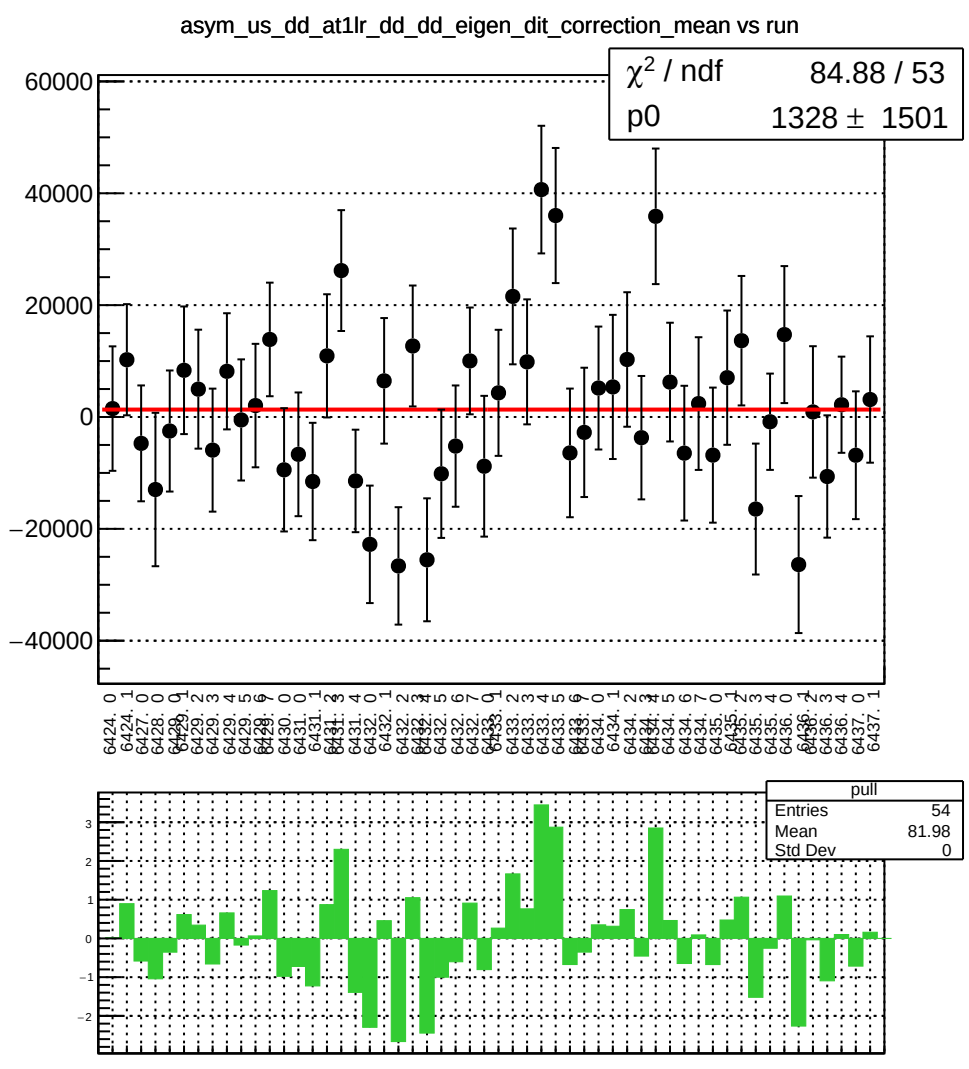
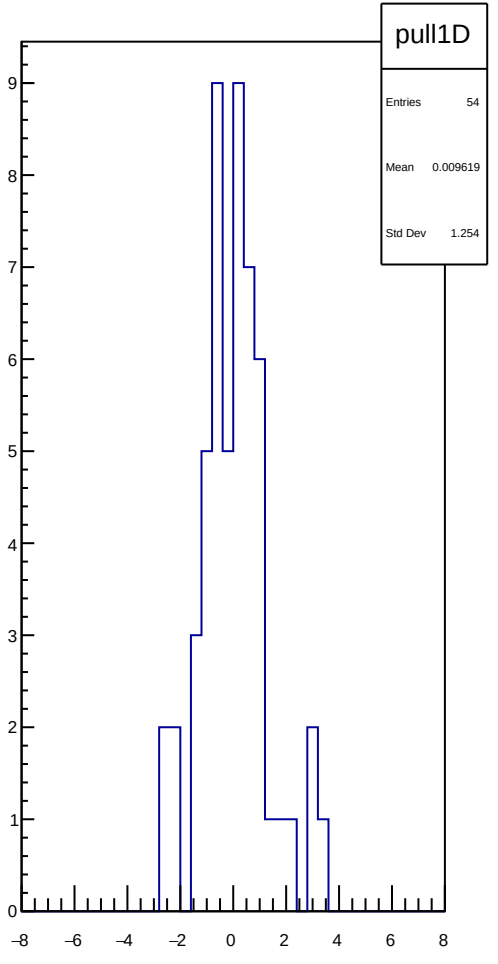
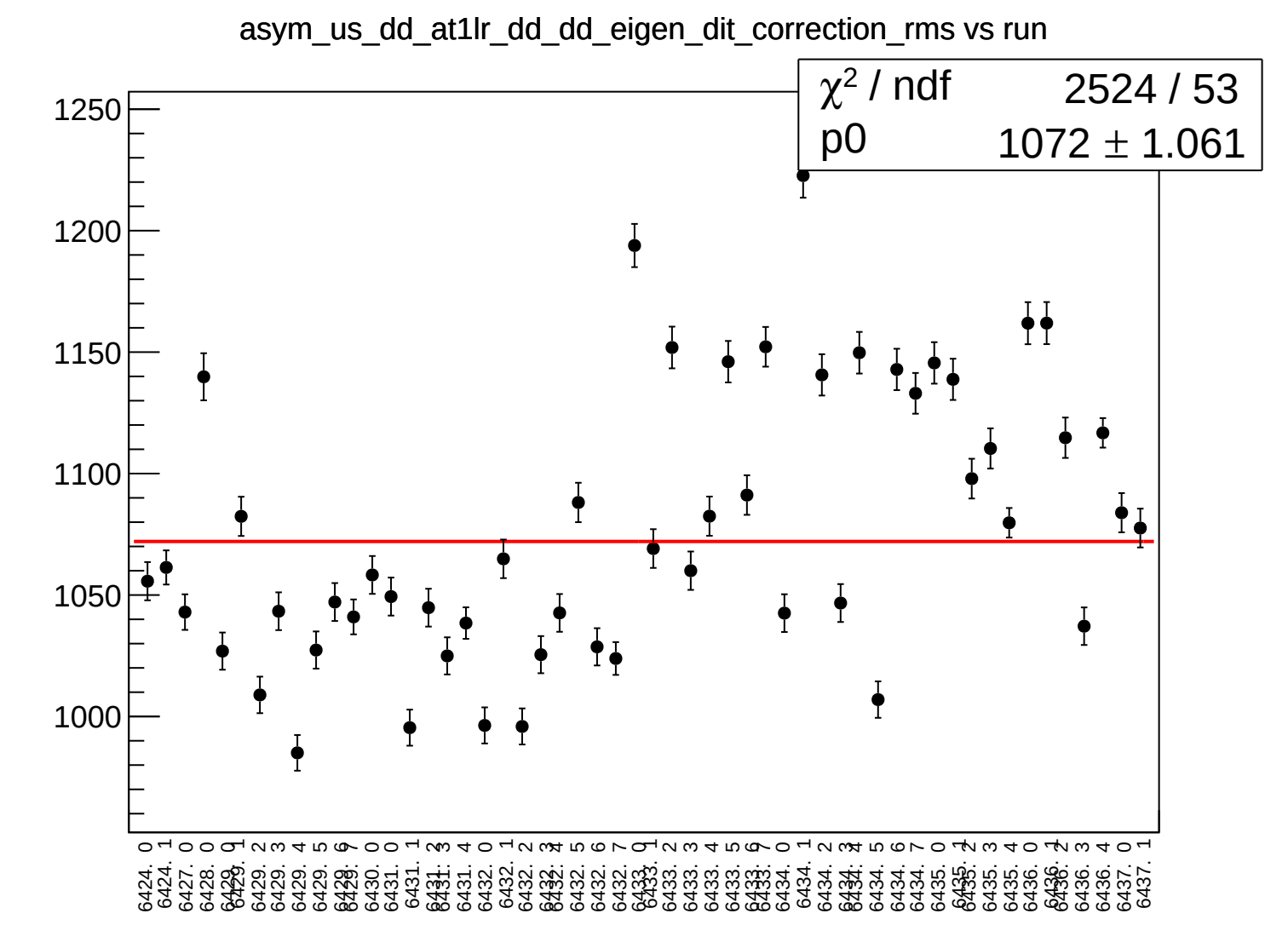
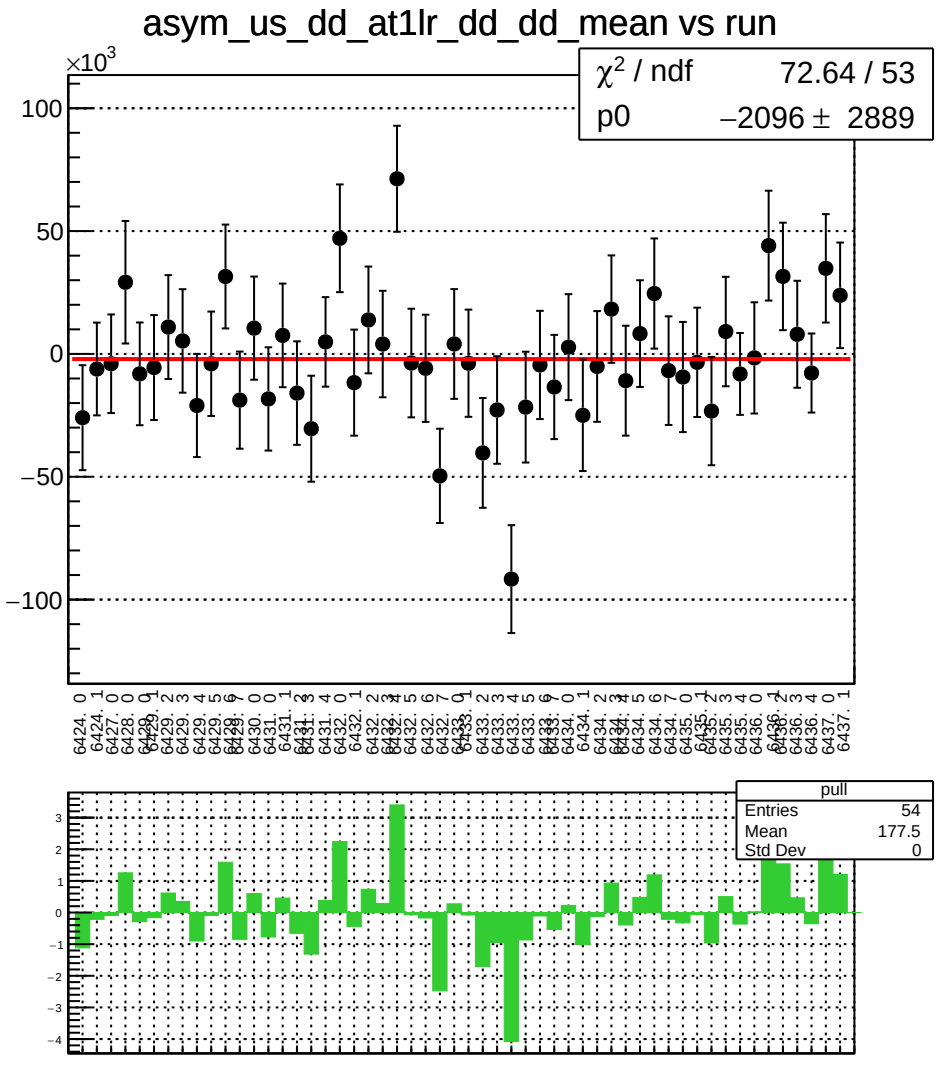
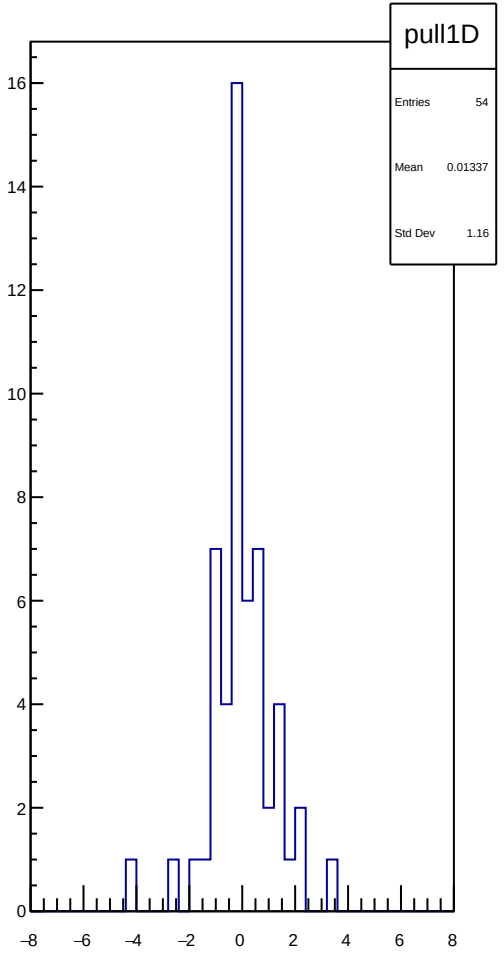
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

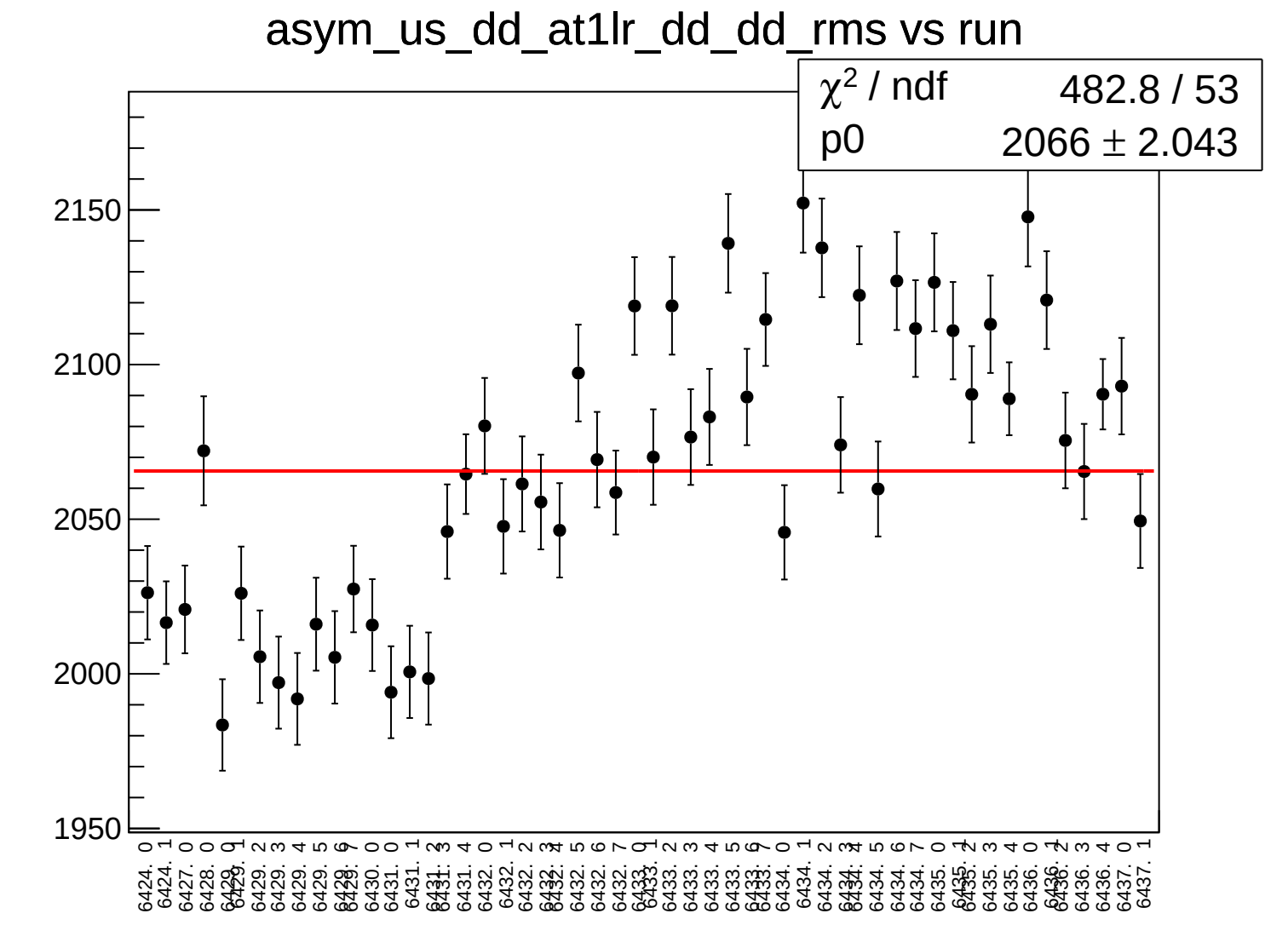

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.88 / 53
p0 1328 ± 1501
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 81.98
Std Dev 0
3
2
1
0
−1
−2

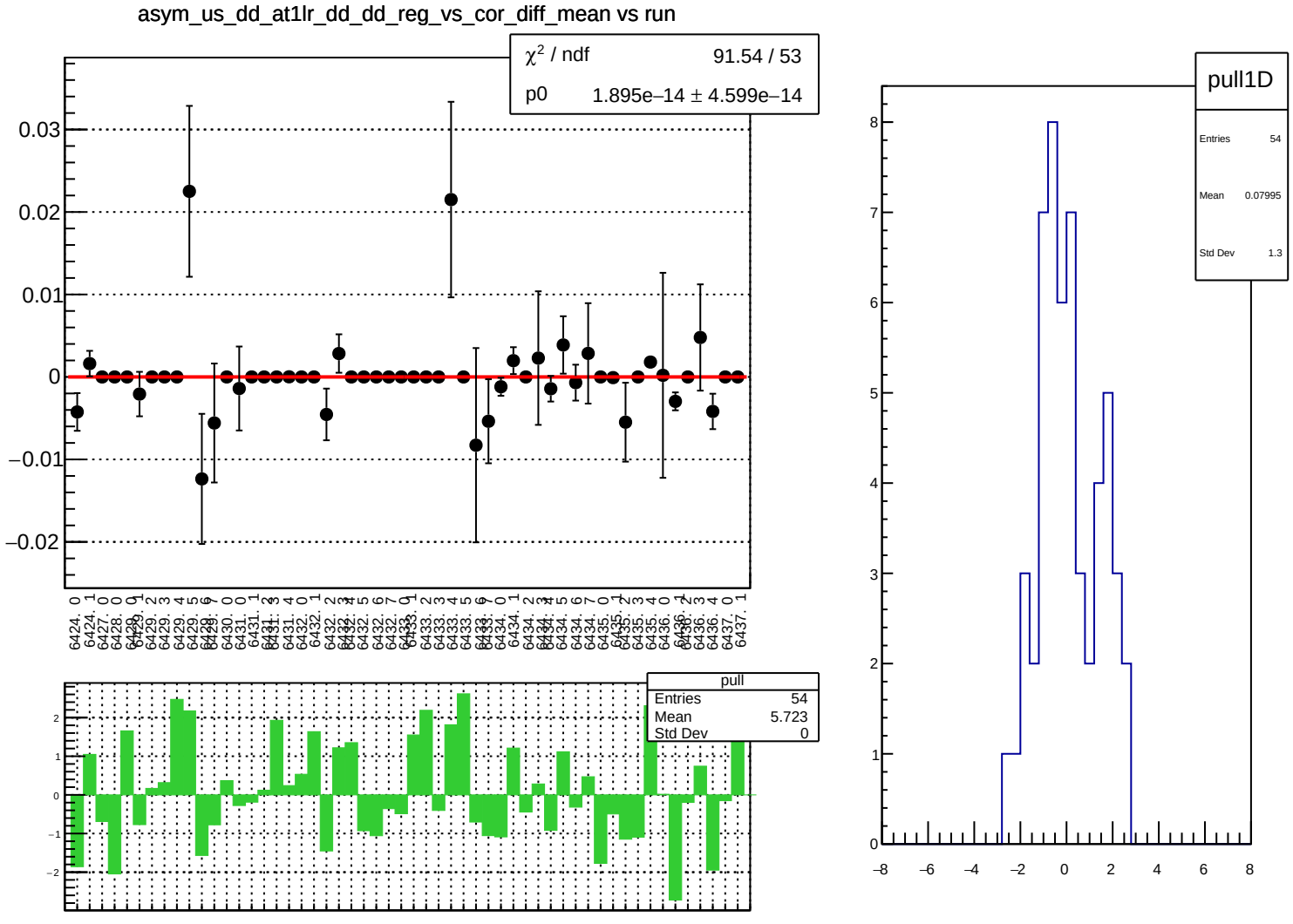

pull1D
Entries 54
Mean 0.009619
Std Dev 1.254
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

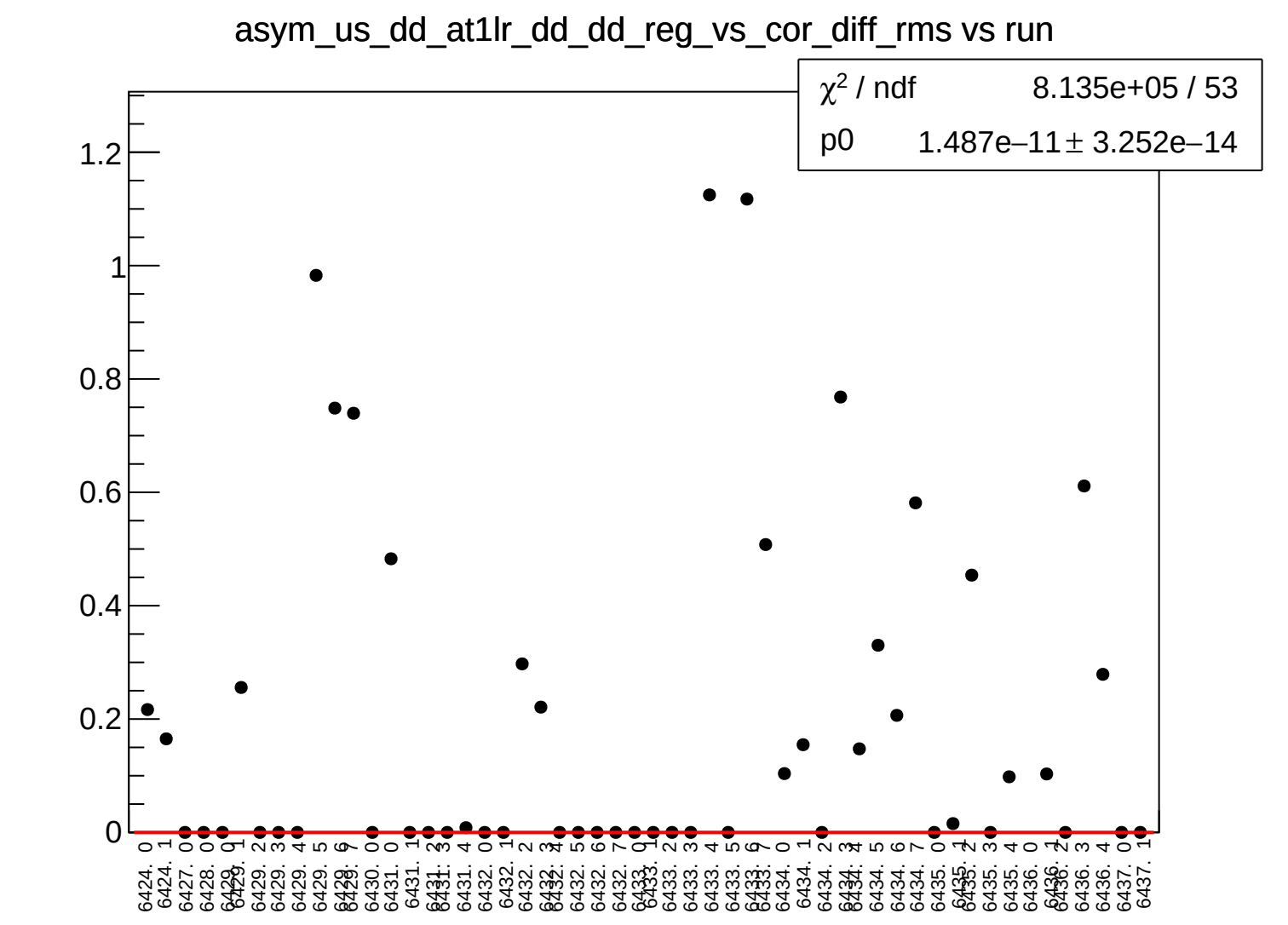

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2524 / 53
p0 1072 ± 1.061
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

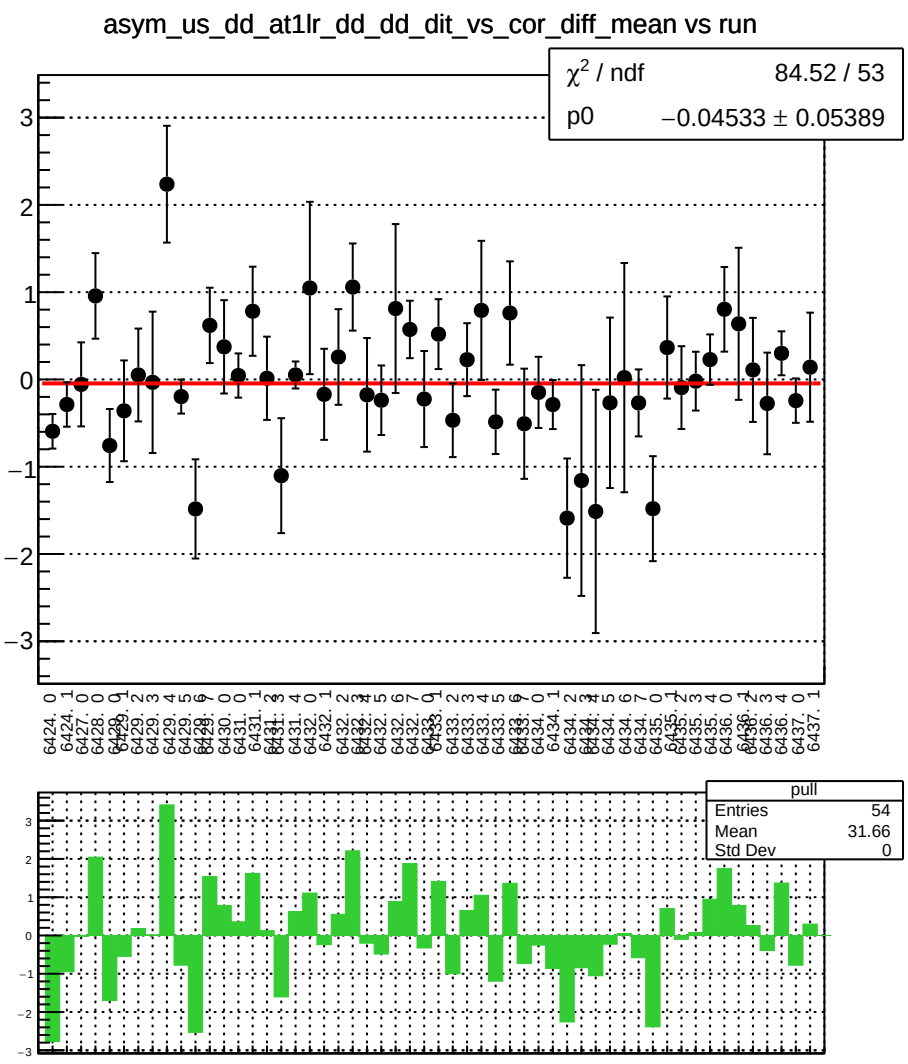

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 72.64 / 53
p0 −2096 ± 2889
100
50
0
−50
−100
pull
Entries 54
Mean 177.5
Std Dev 0
3
2
1
0
−1
−2
−3
−4

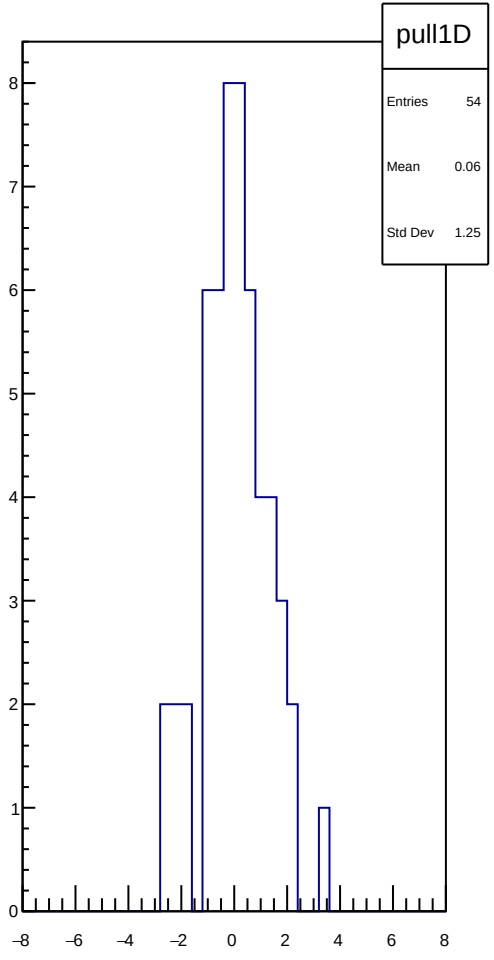

pull1D
Entries 54
Mean 0.01337
Std Dev 1.16
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

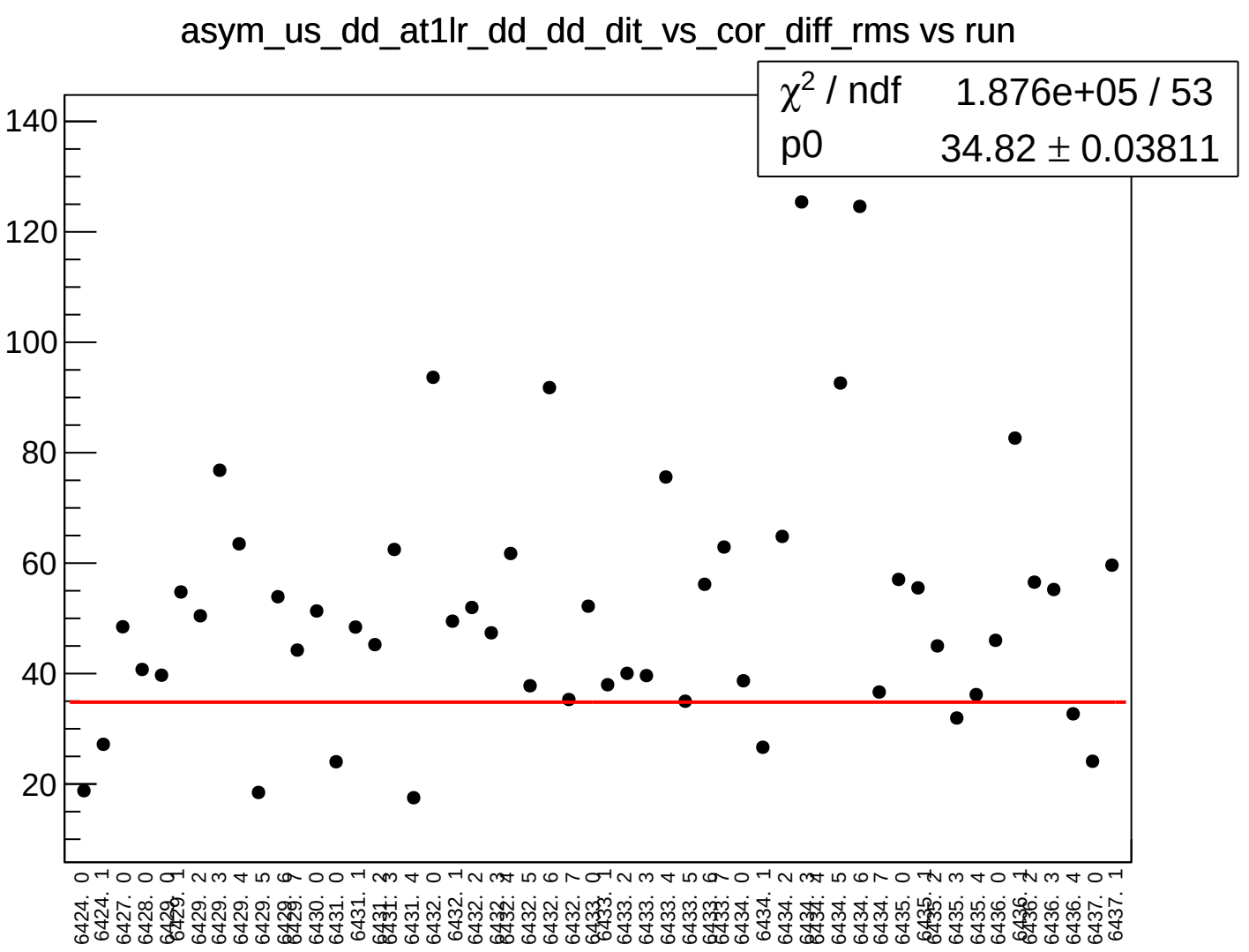

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 482.8 / 53
p0 2066 ± 2.043
2150
2100
2050
2000
1950
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

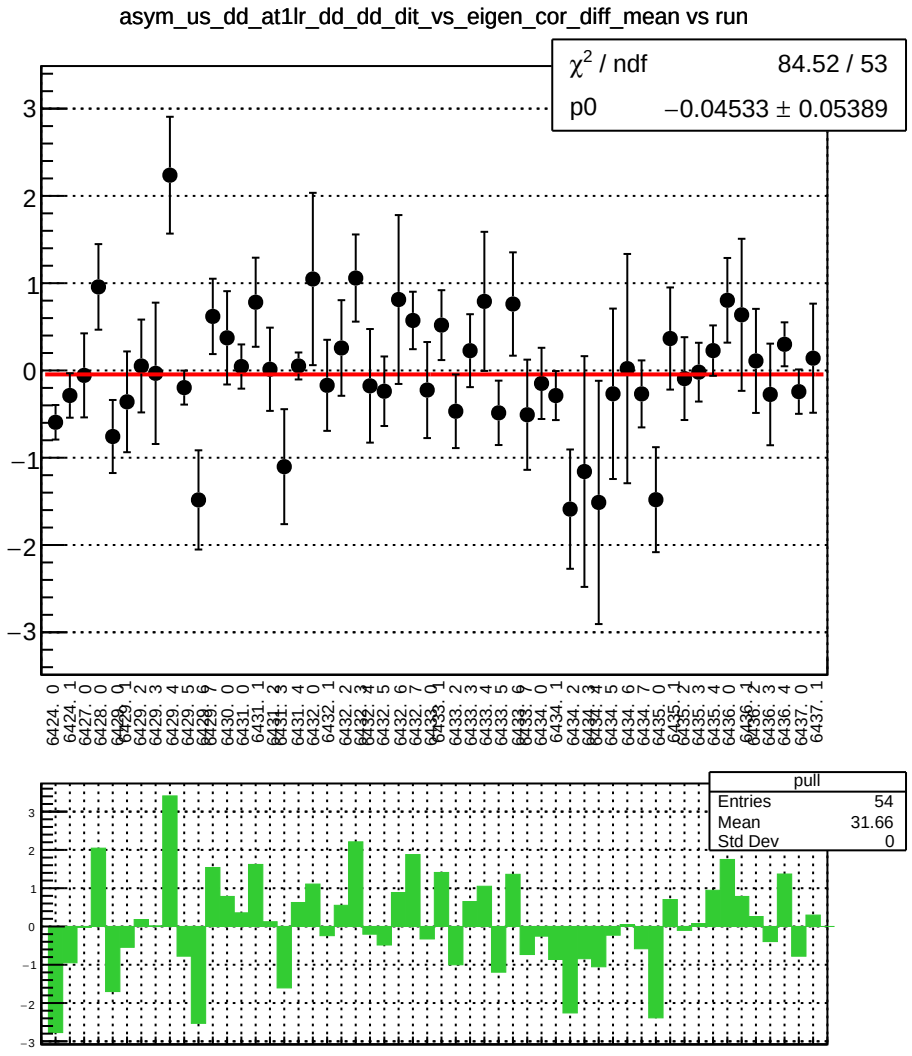

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 91.54 / 53
p0 1.895e−14 ± 4.599e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean 5.723
Std Dev 0
pull1D
Entries 54
Mean 0.07995
Std Dev 1.3

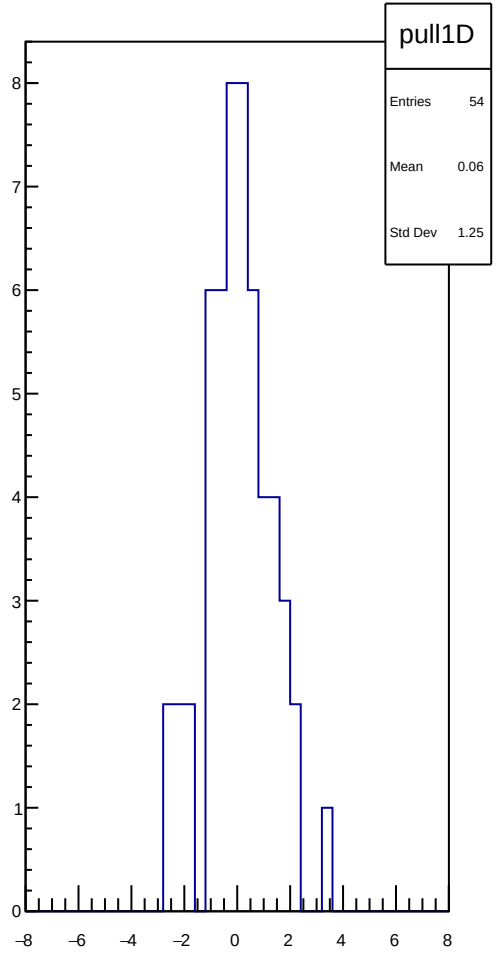

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.135e+05 / 53
p0 1.487e−11 ± 3.252e−14
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

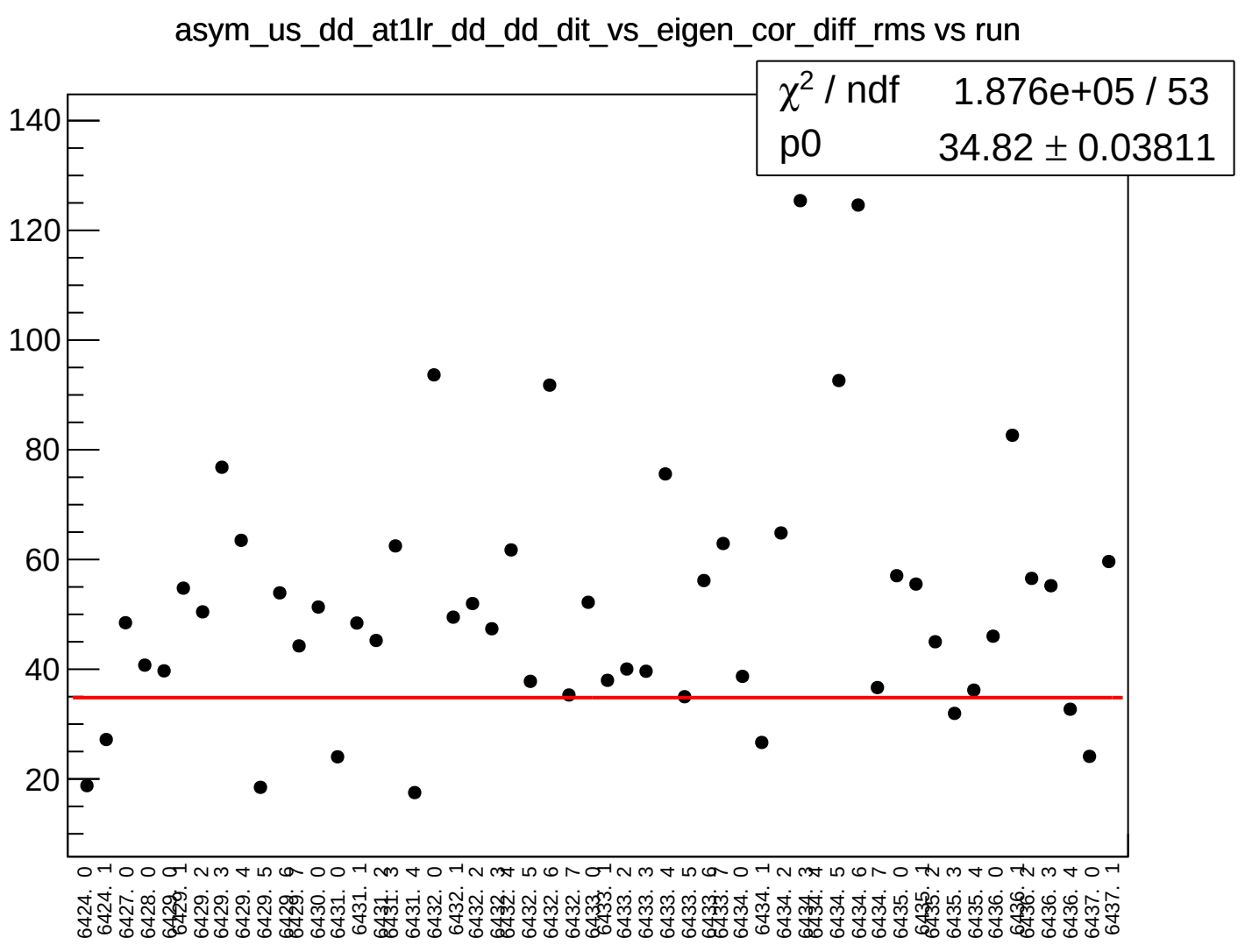

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 84.52 / 53
p0 −0.04533 ± 0.05389
pull
Entries 54
Mean 31.66
Std Dev 0

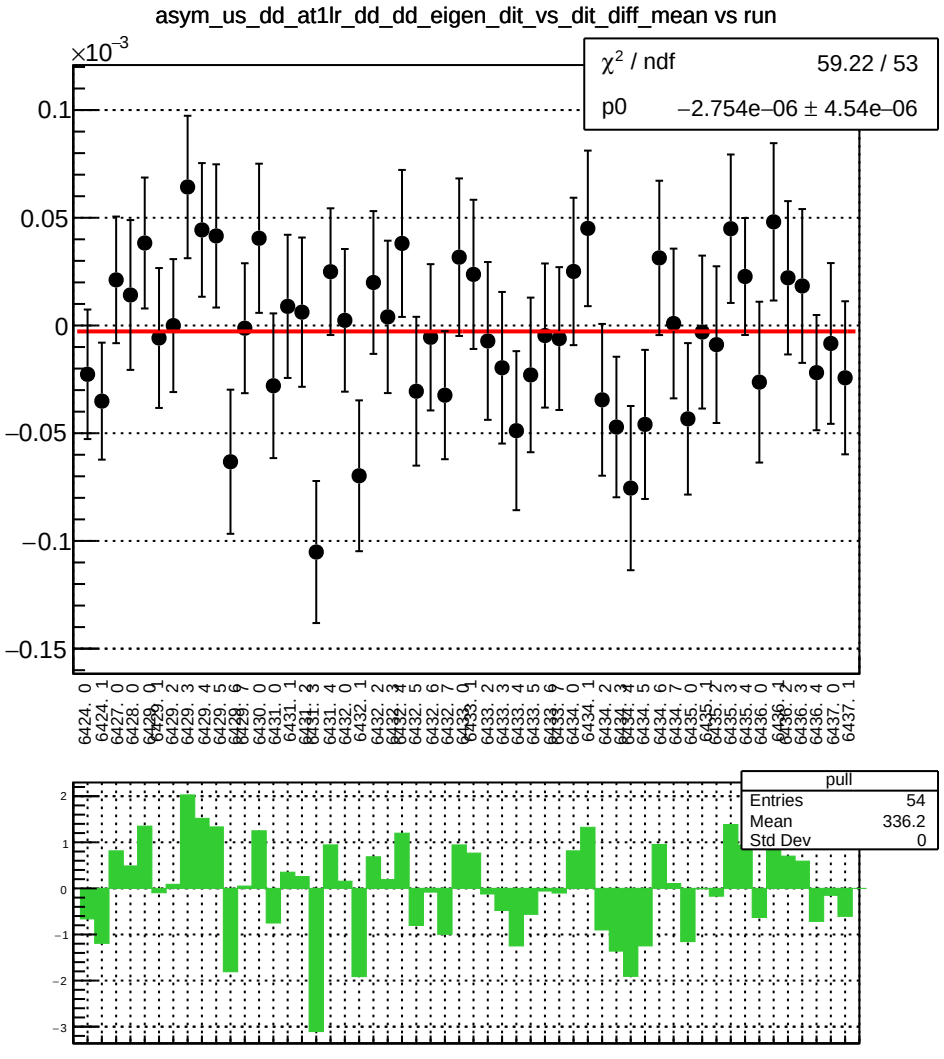

pull1D
Entries 54
Mean 0.06
Std Dev 1.25

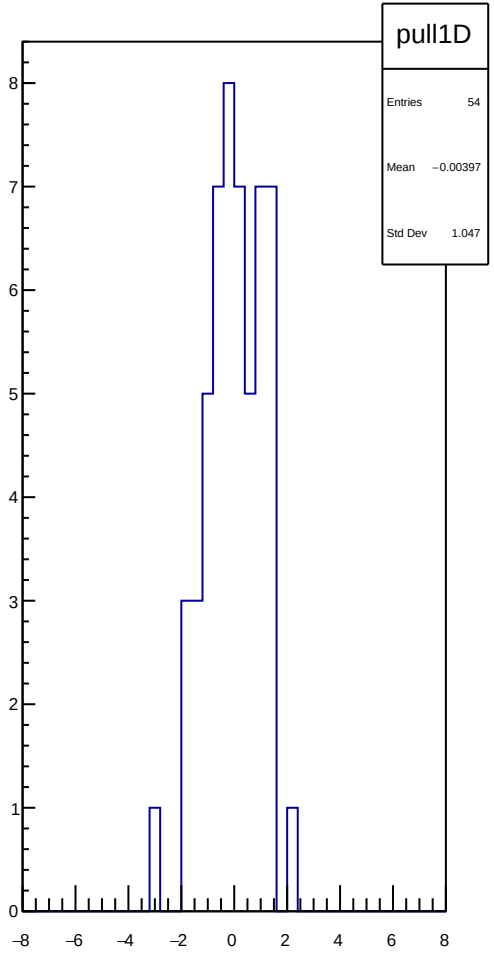

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.876e+05 / 53
p0 34.82 ± 0.03811
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

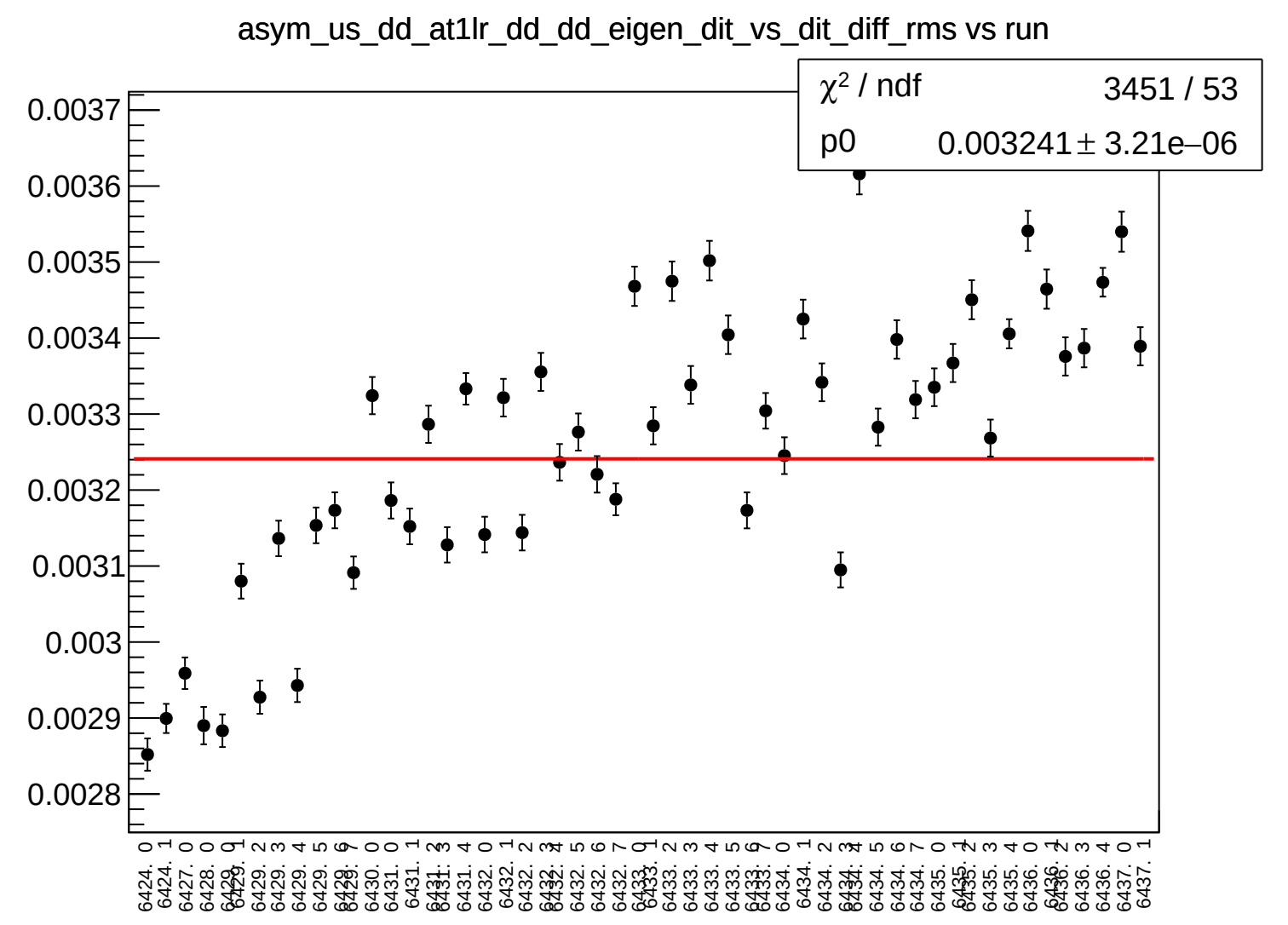

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.52 / 53
p0 −0.04533 ± 0.05389
pull
Entries 54
Mean 31.66
Std Dev 0

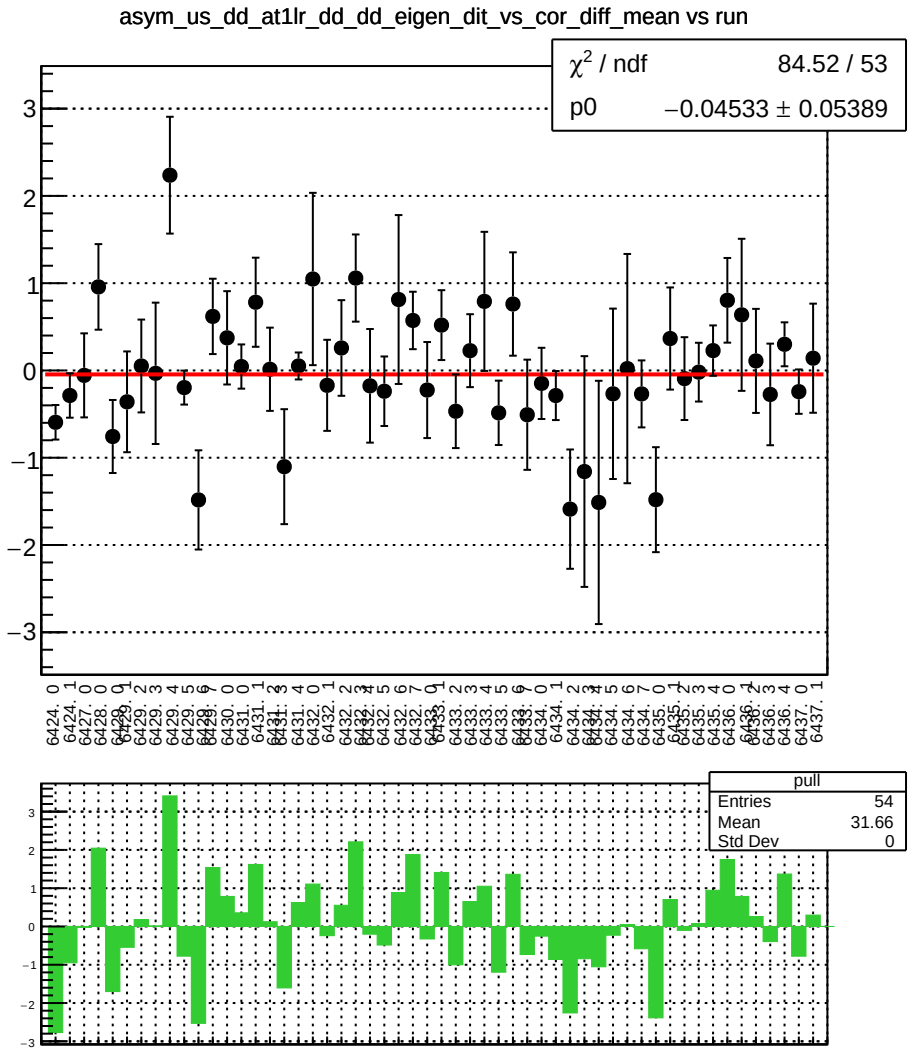

pull1D
Entries 54
Mean 0.06
Std Dev 1.25

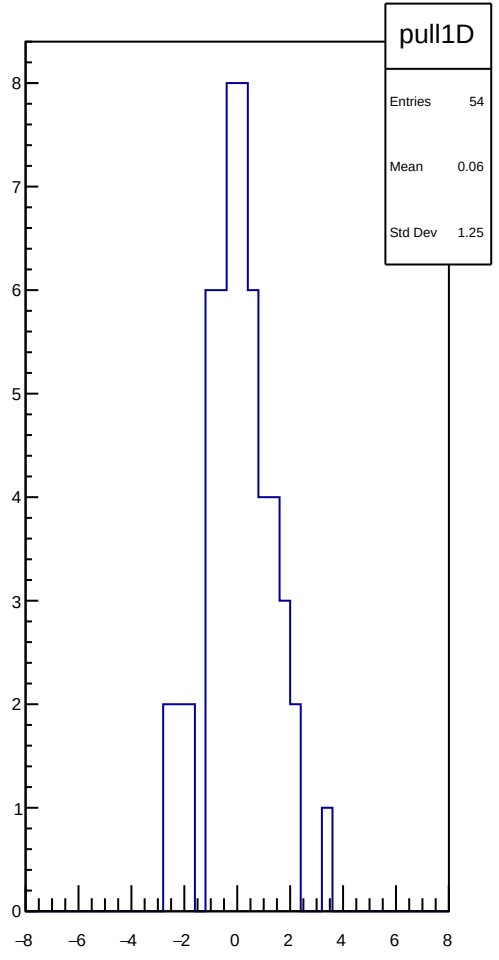

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.876e+05 / 53
p0 34.82 ± 0.03811
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

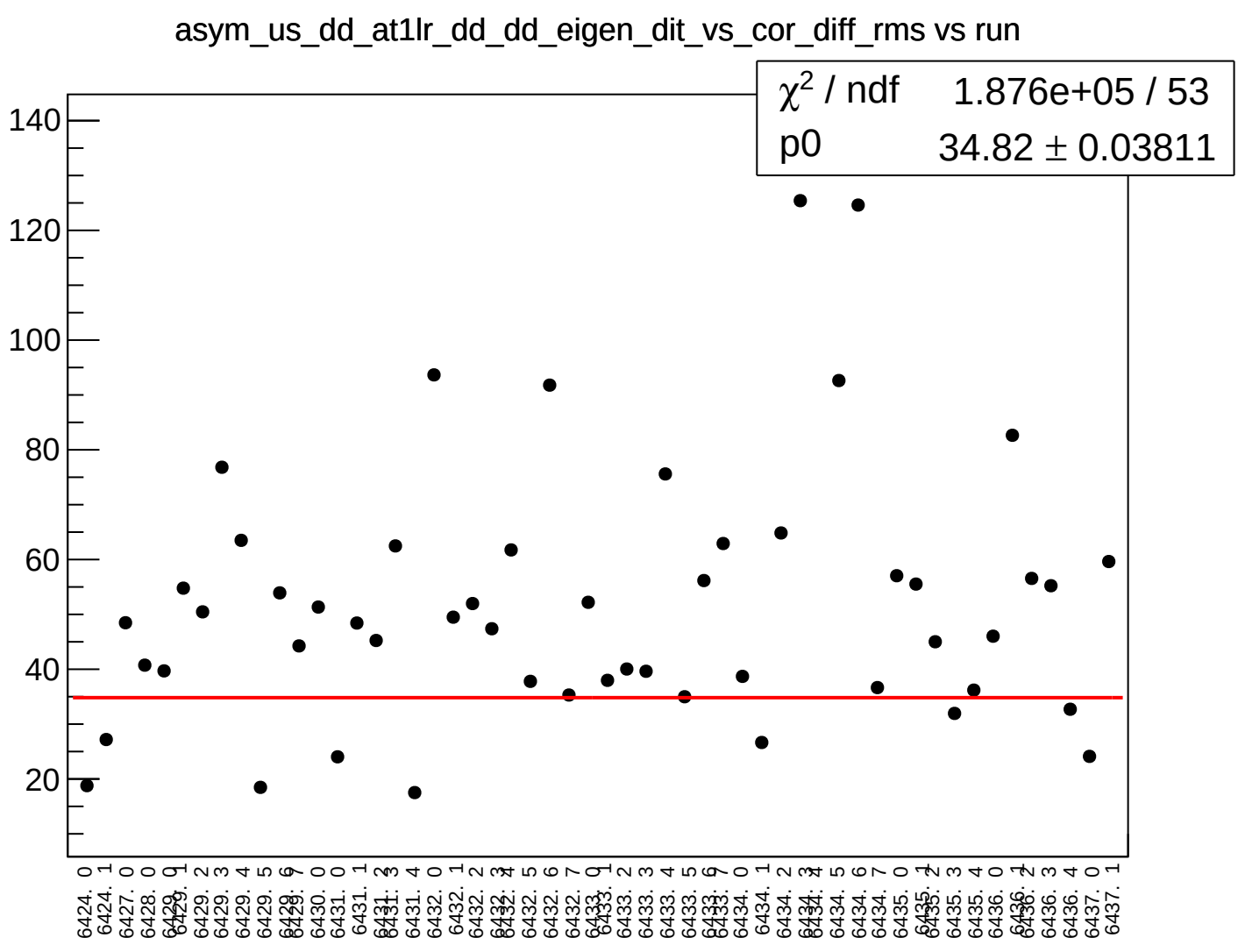

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.22 / 53
p0 −2.754e−06 ± 4.54e−06
pull
Entries 54
Mean 336.2
Std Dev 0


pull1D
Entries 54
Mean −0.00397
Std Dev 1.047


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3451 / 53
p0 0.003241 ± 3.21e–06
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.52 / 53
p0 −0.04533 ± 0.05389
pull
Entries 54
Mean 31.66
Std Dev 0


pull1D
Entries 54
Mean 0.06
Std Dev 1.25


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.876e+05 / 53
p0 34.82 ± 0.03811
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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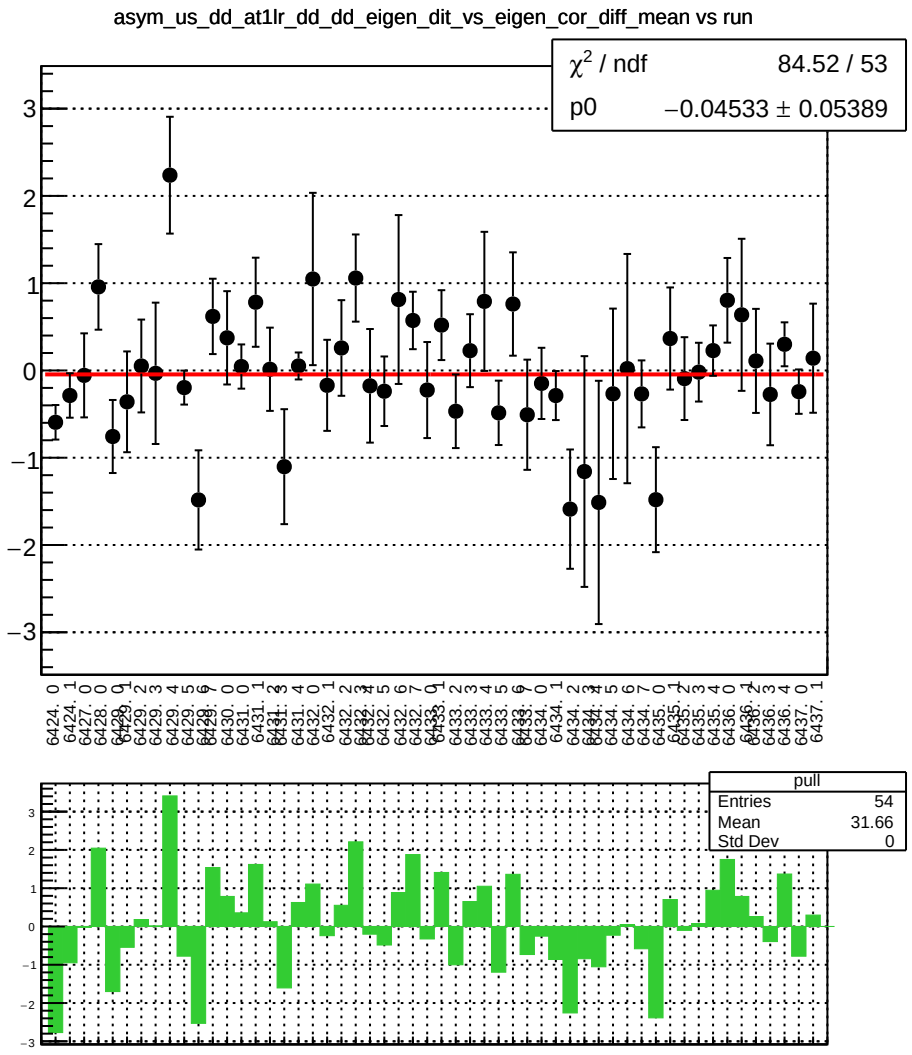
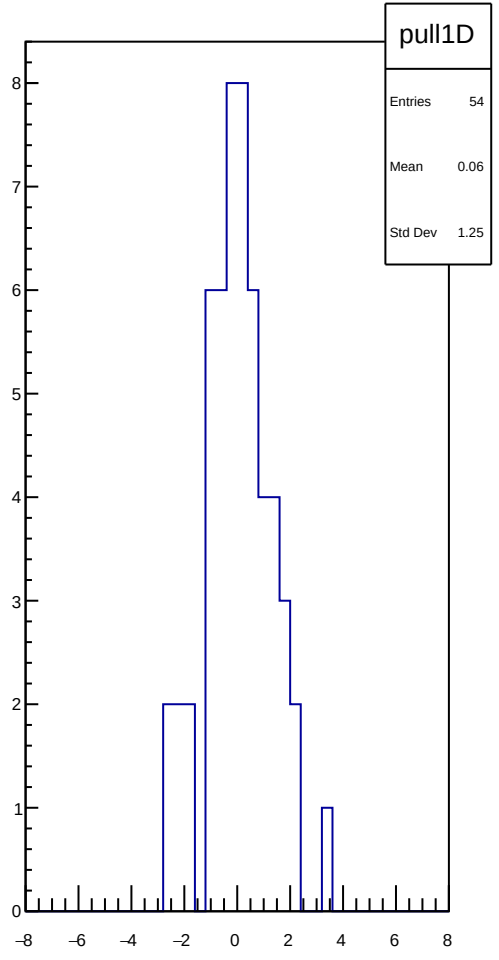
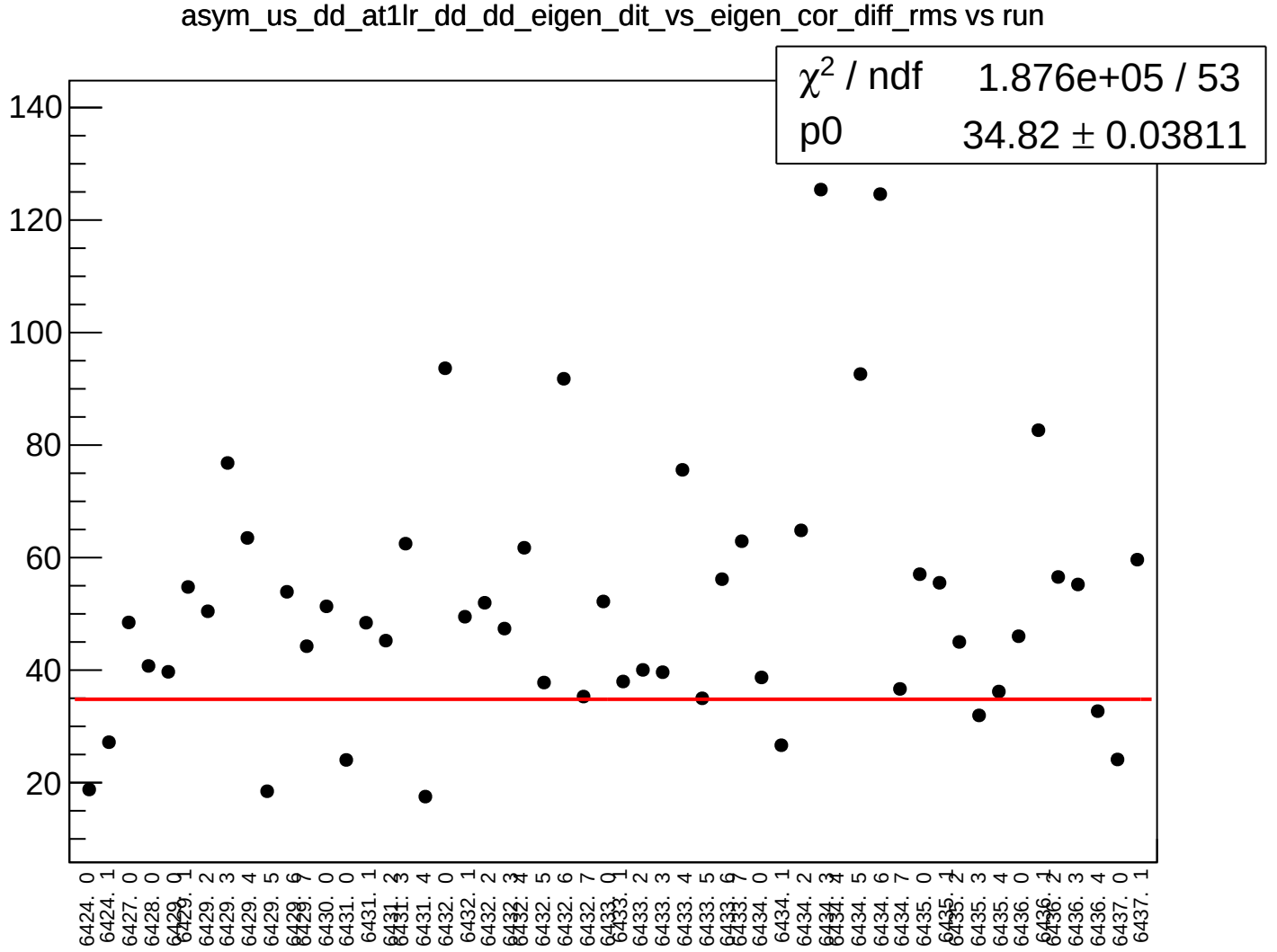
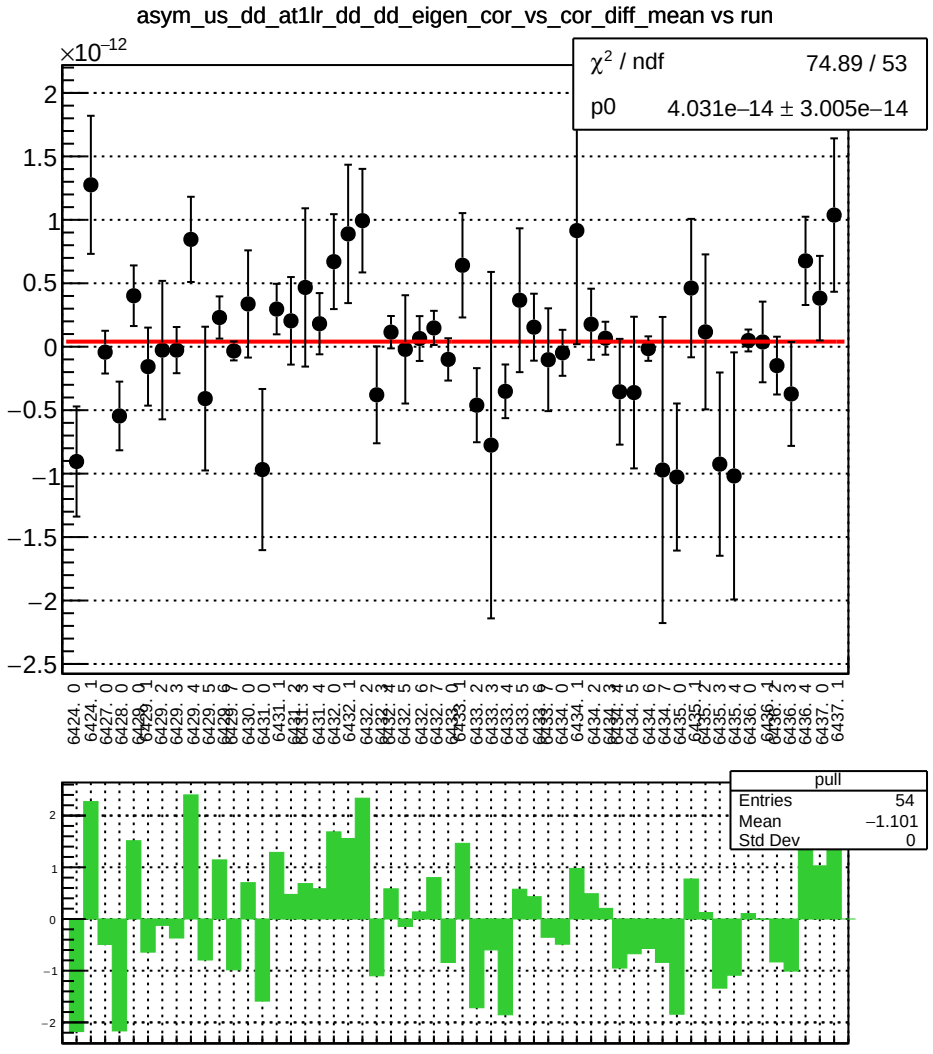
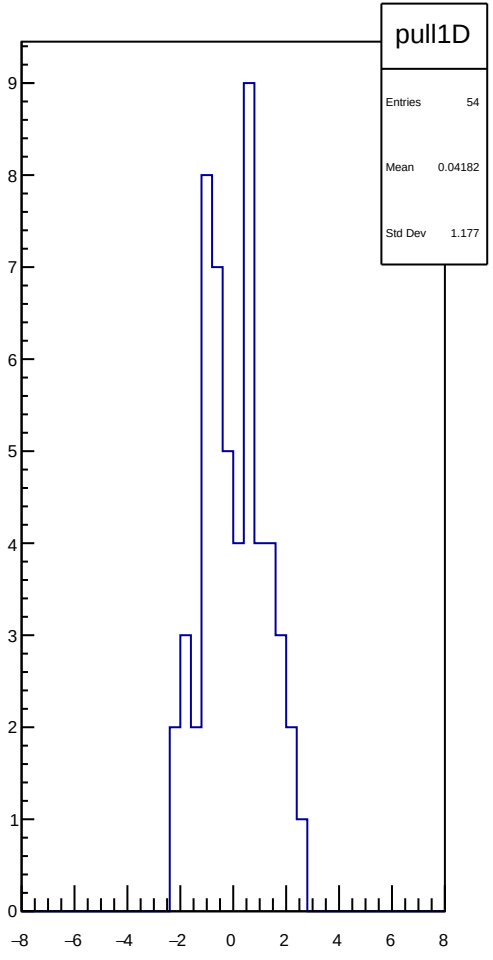
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

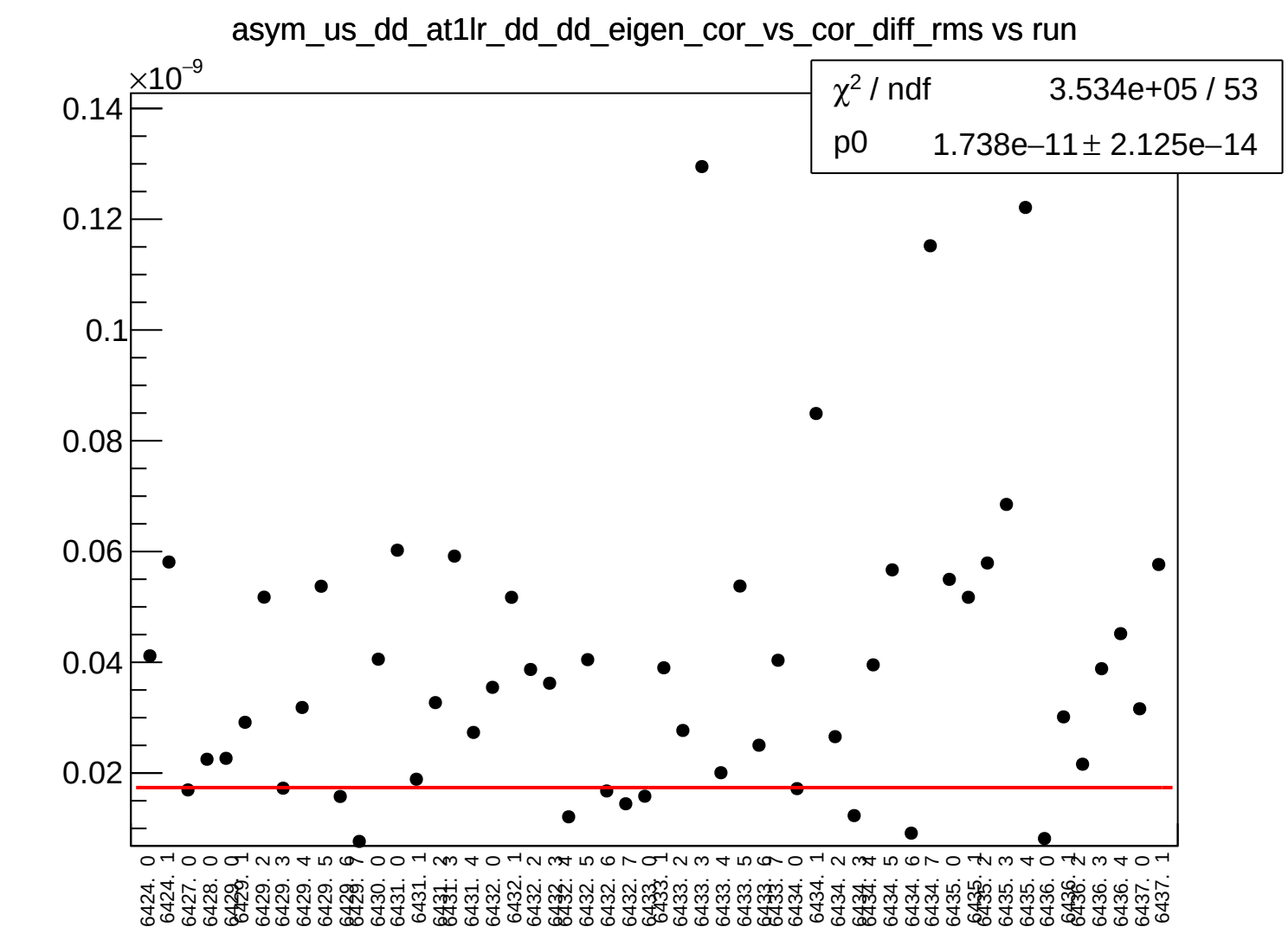

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.52 / 53
p0 −0.04533 ± 0.05389
pull
Entries 54
Mean 31.66
Std Dev 0

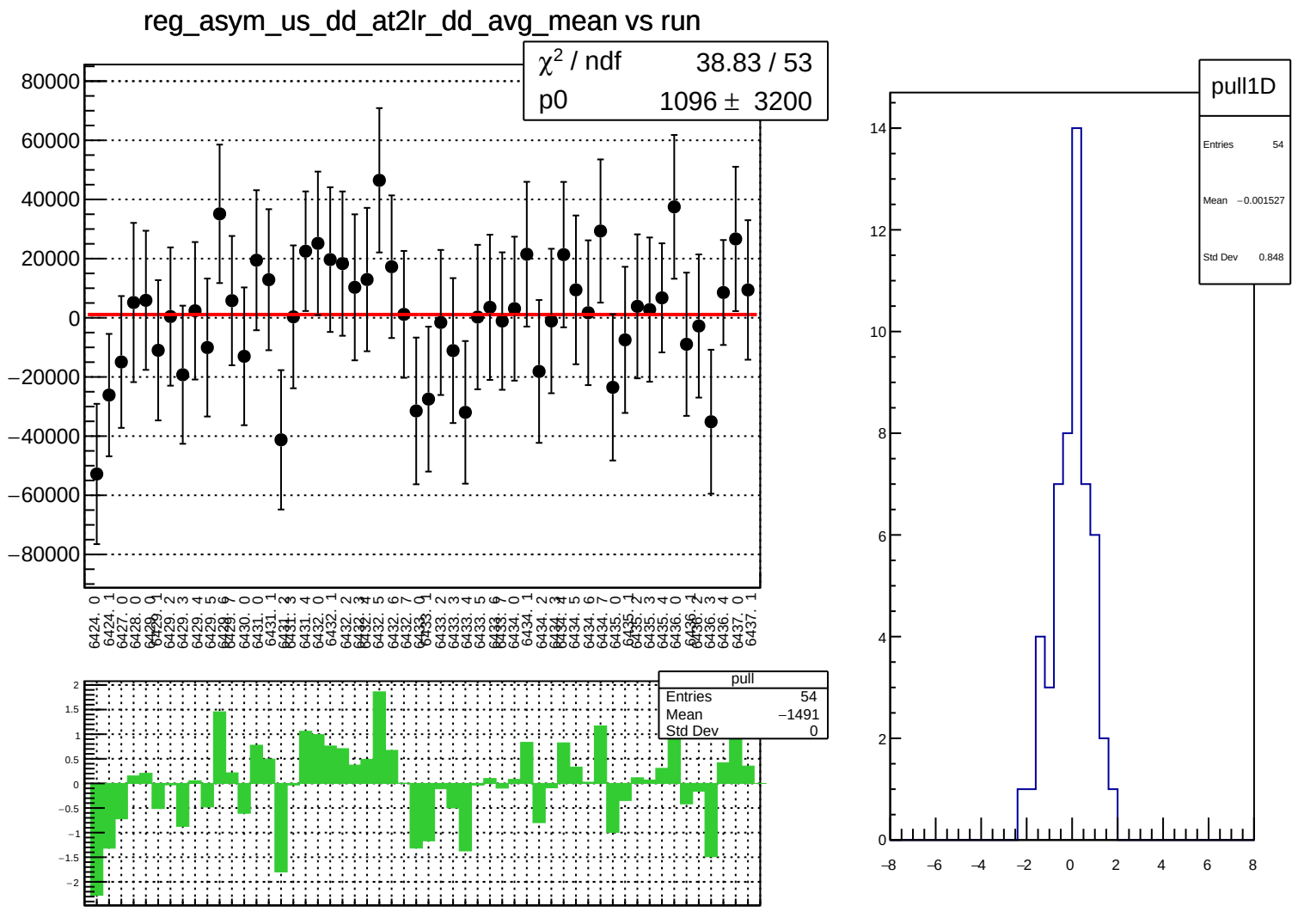

pull1D
Entries 54
Mean 0.06
Std Dev 1.25

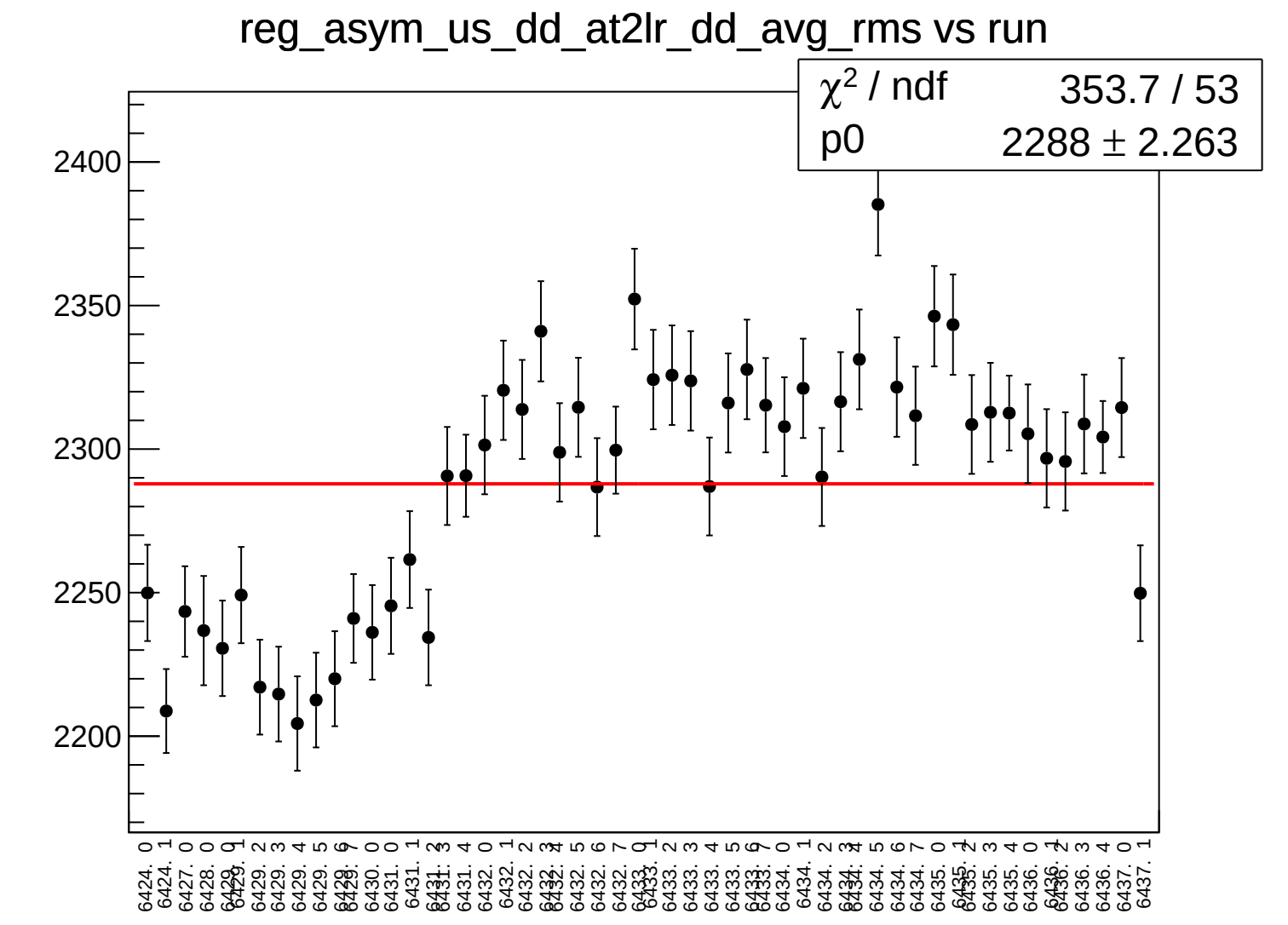

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.876e+05 / 53
p0 34.82 ± 0.03811
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.89 / 53
p0 4.031e−14 ± 3.005e−14
pull
Entries 54
Mean −1.101
Std Dev 0


pull1D
Entries 54
Mean 0.04182
Std Dev 1.177


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.534e+05 / 53
p0 1.738e−11 ± 2.125e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.83 / 53
p0 1096 ± 3200
pull
Entries 54
Mean −1491
Std Dev 0
pull1D
Entries 54
Mean −0.001527
Std Dev 0.848


reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 353.7 / 53
p0 2288 ± 2.263
2400
2350
2300
2250
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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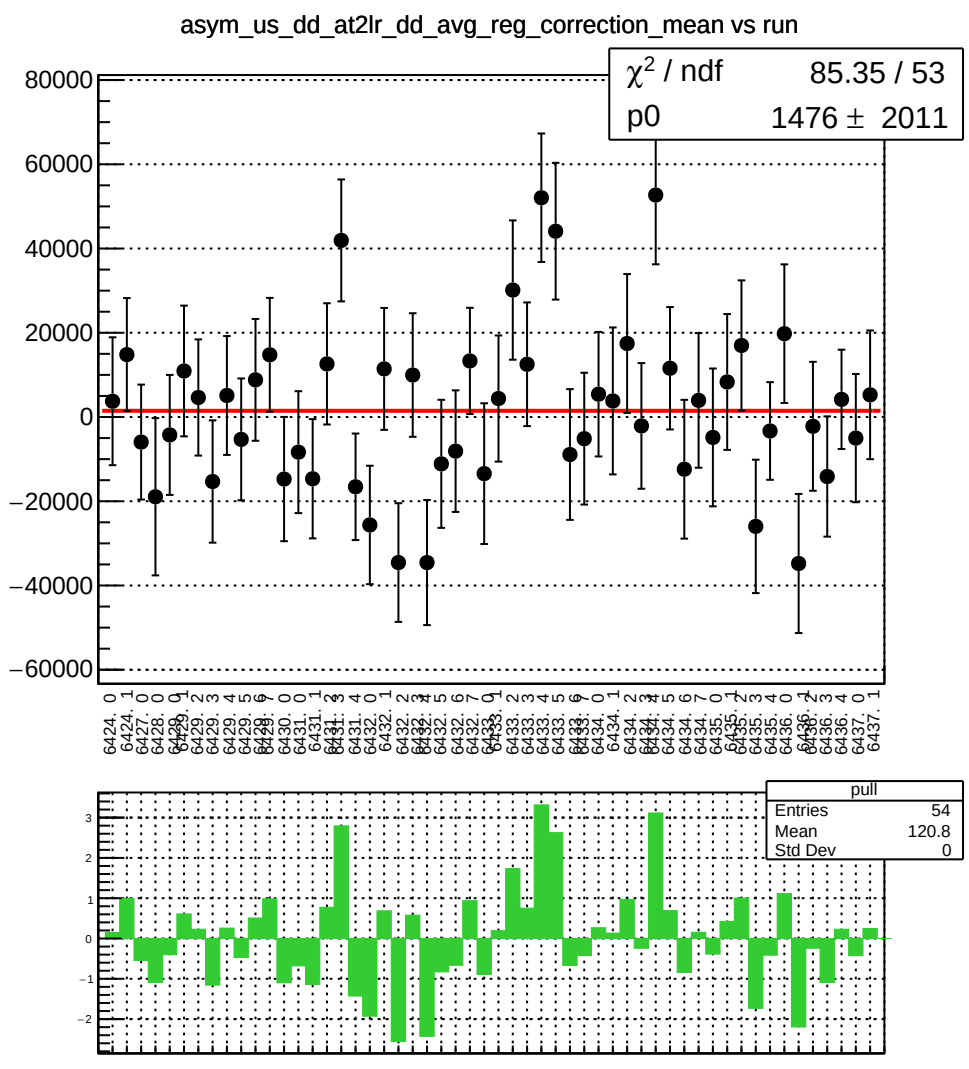
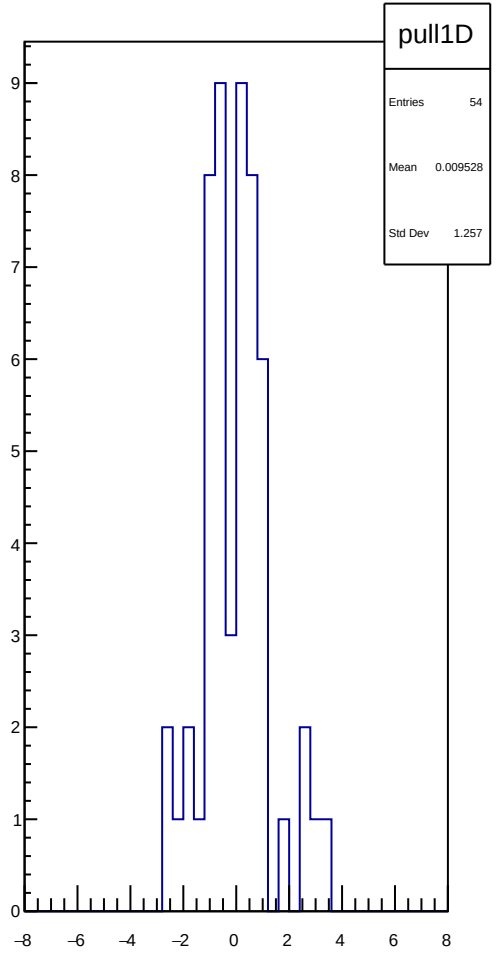
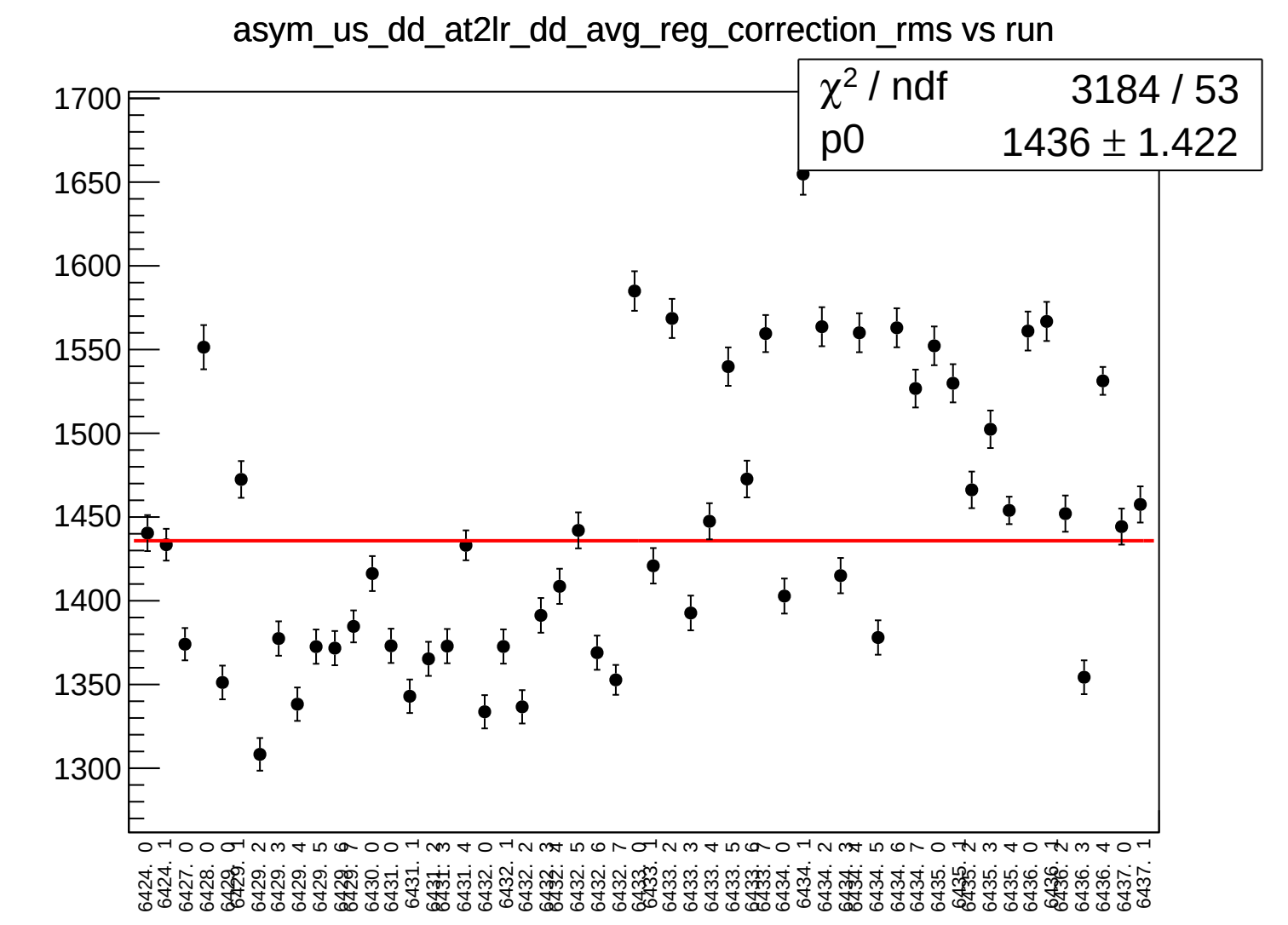
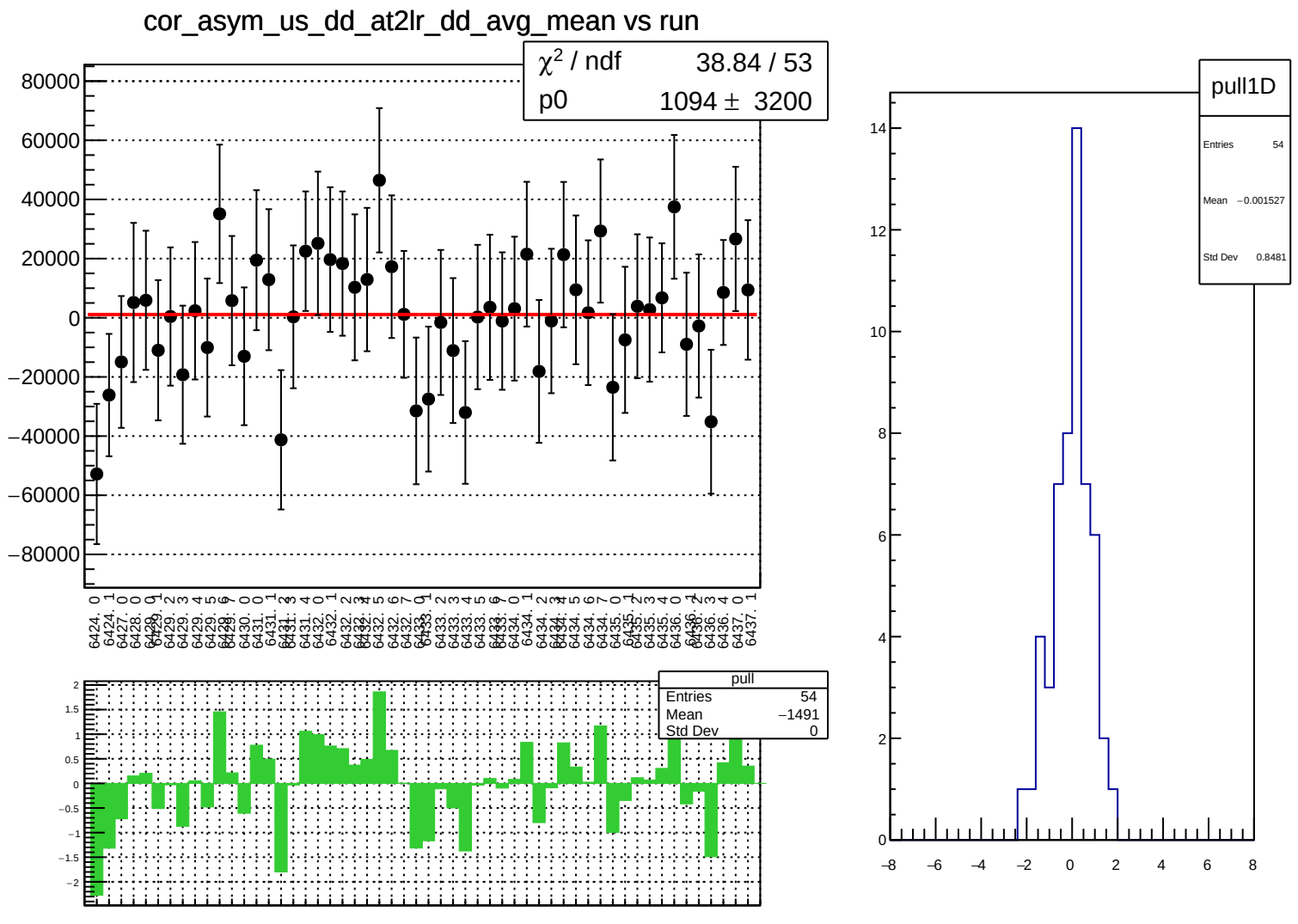
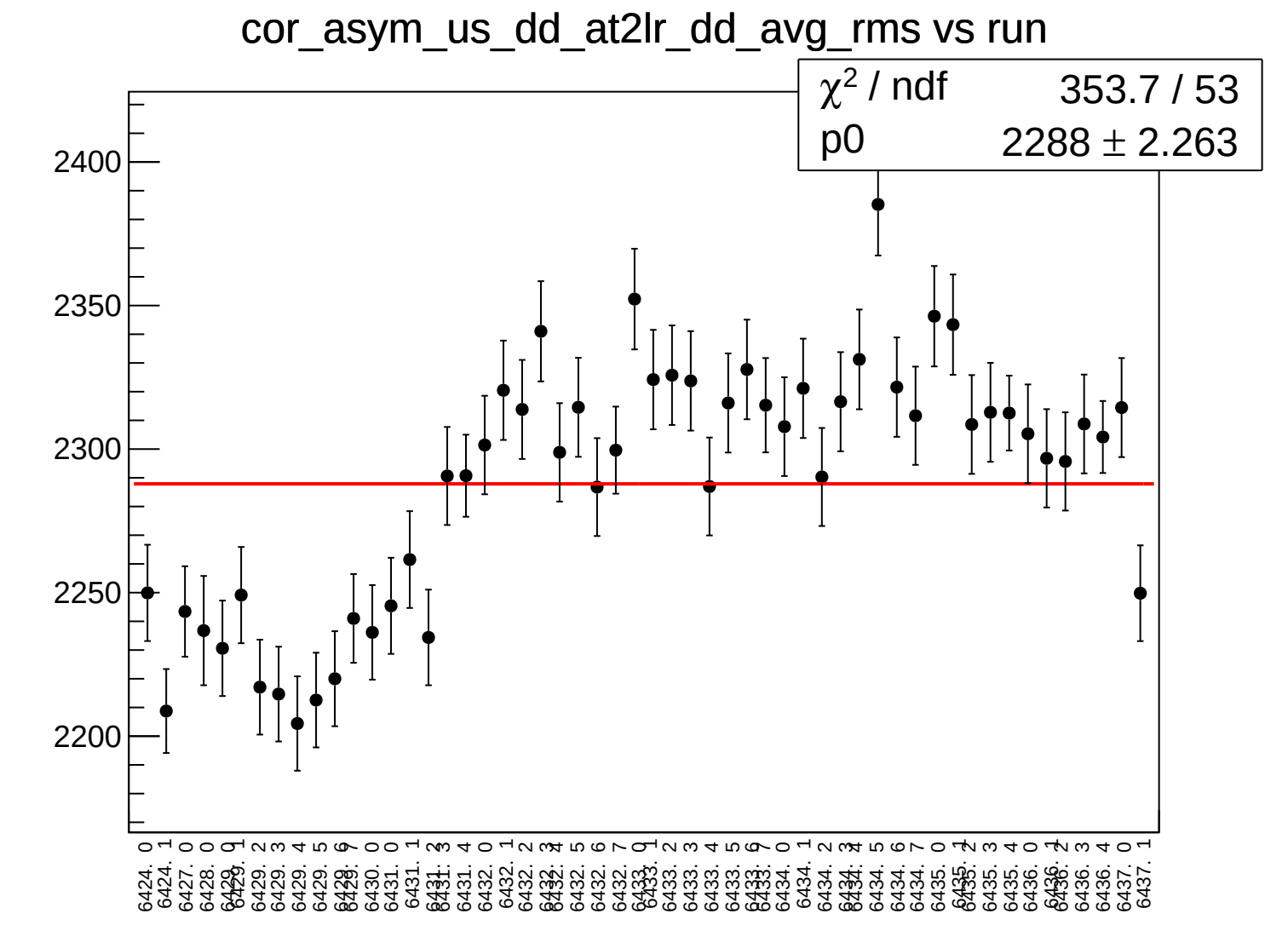
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

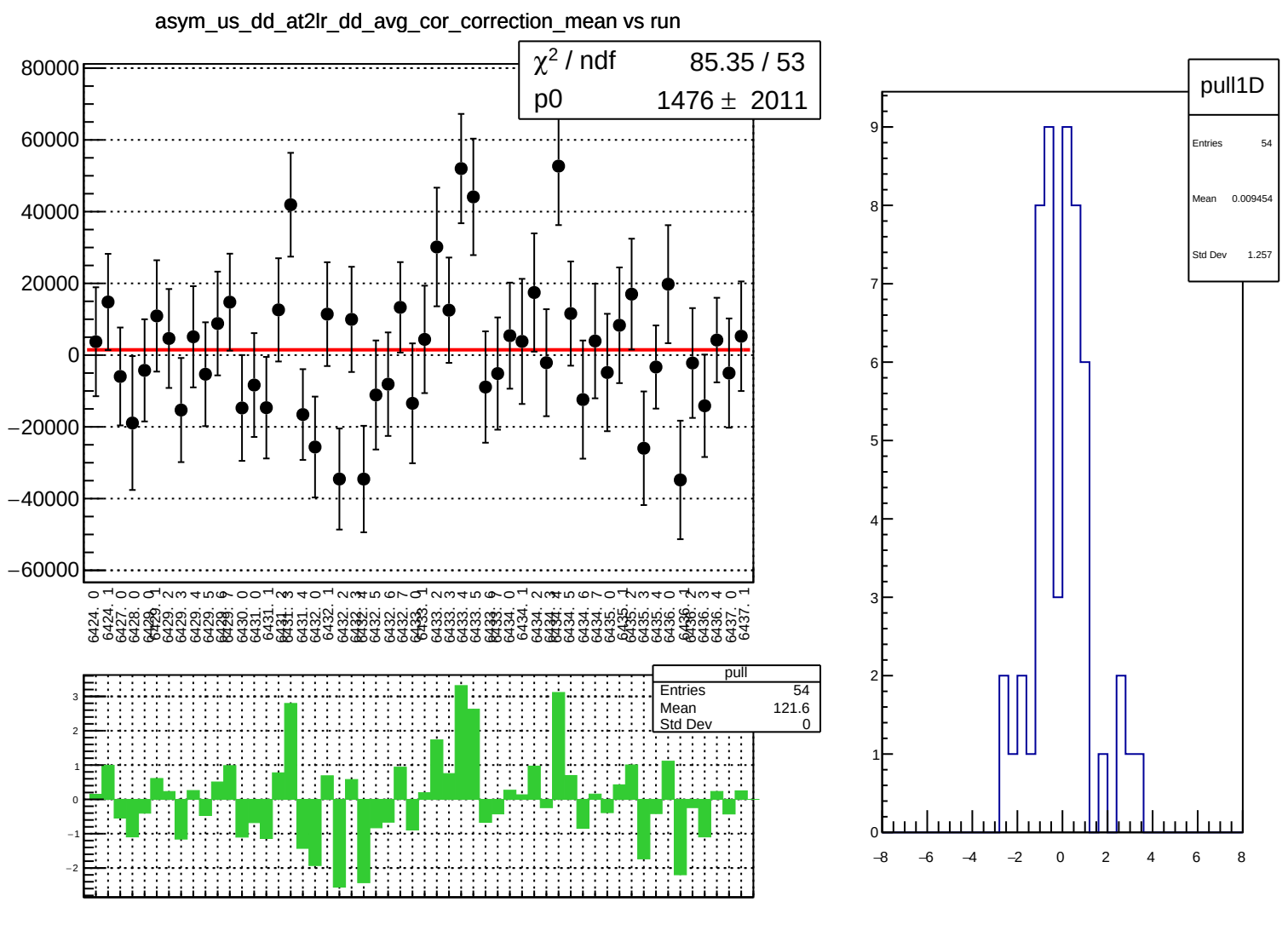

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 85.35 / 53
p0 1476 ± 2011
pull
Entries 54
Mean 120.8
Std Dev 0

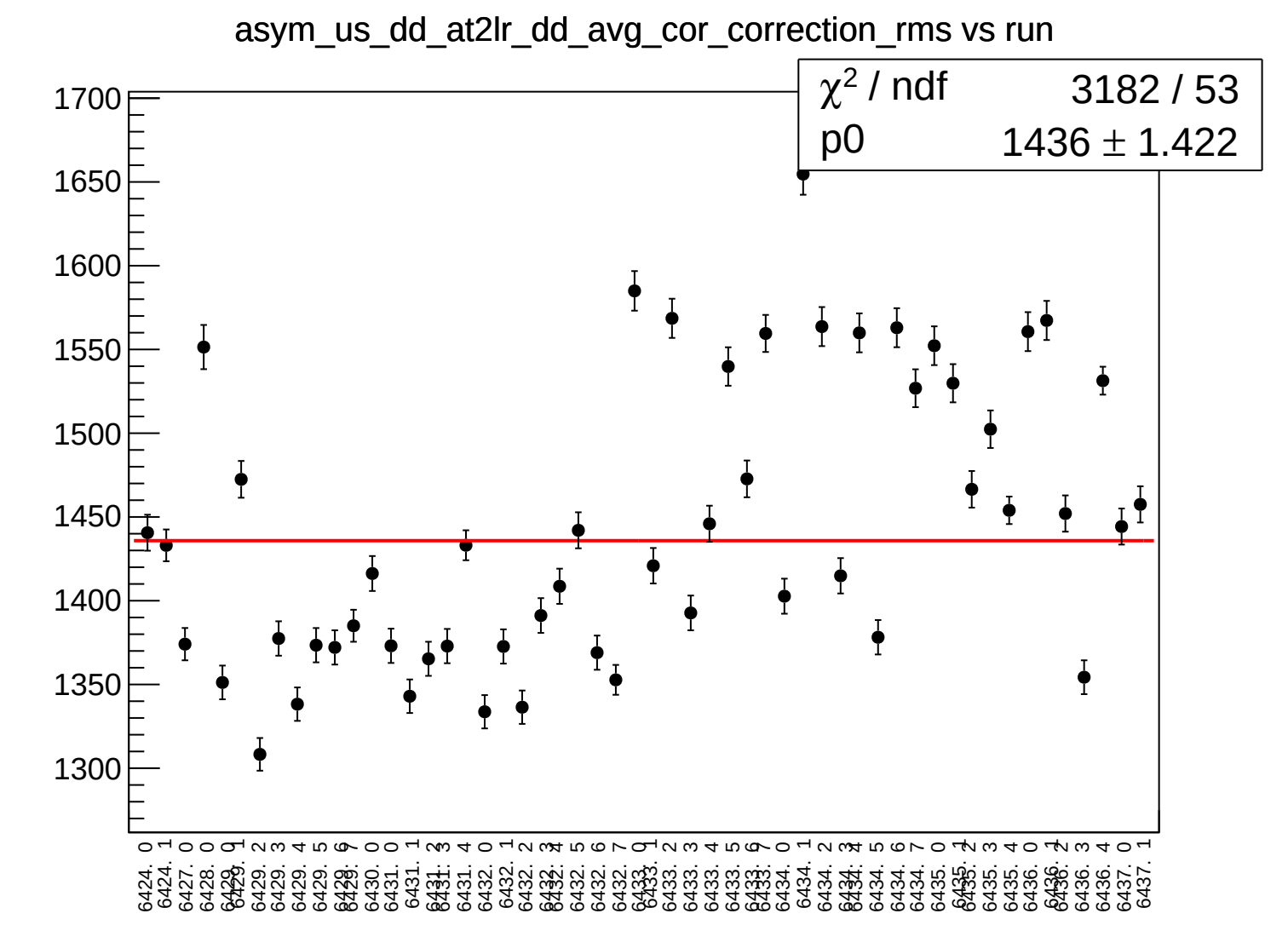

pull1D
Entries 54
Mean 0.009528
Std Dev 1.257

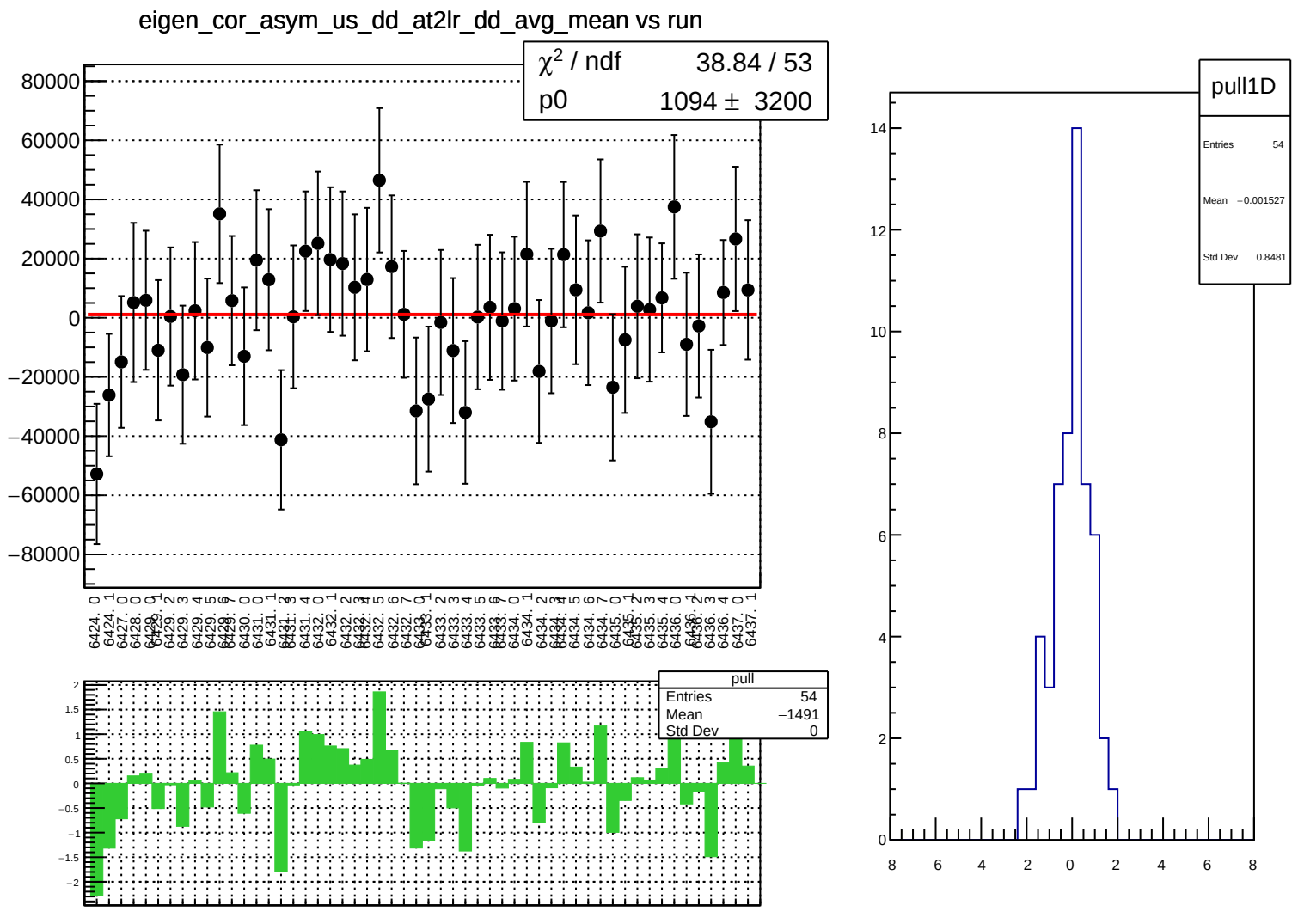

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3184 / 53
p0 1436 ± 1.422
1700
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

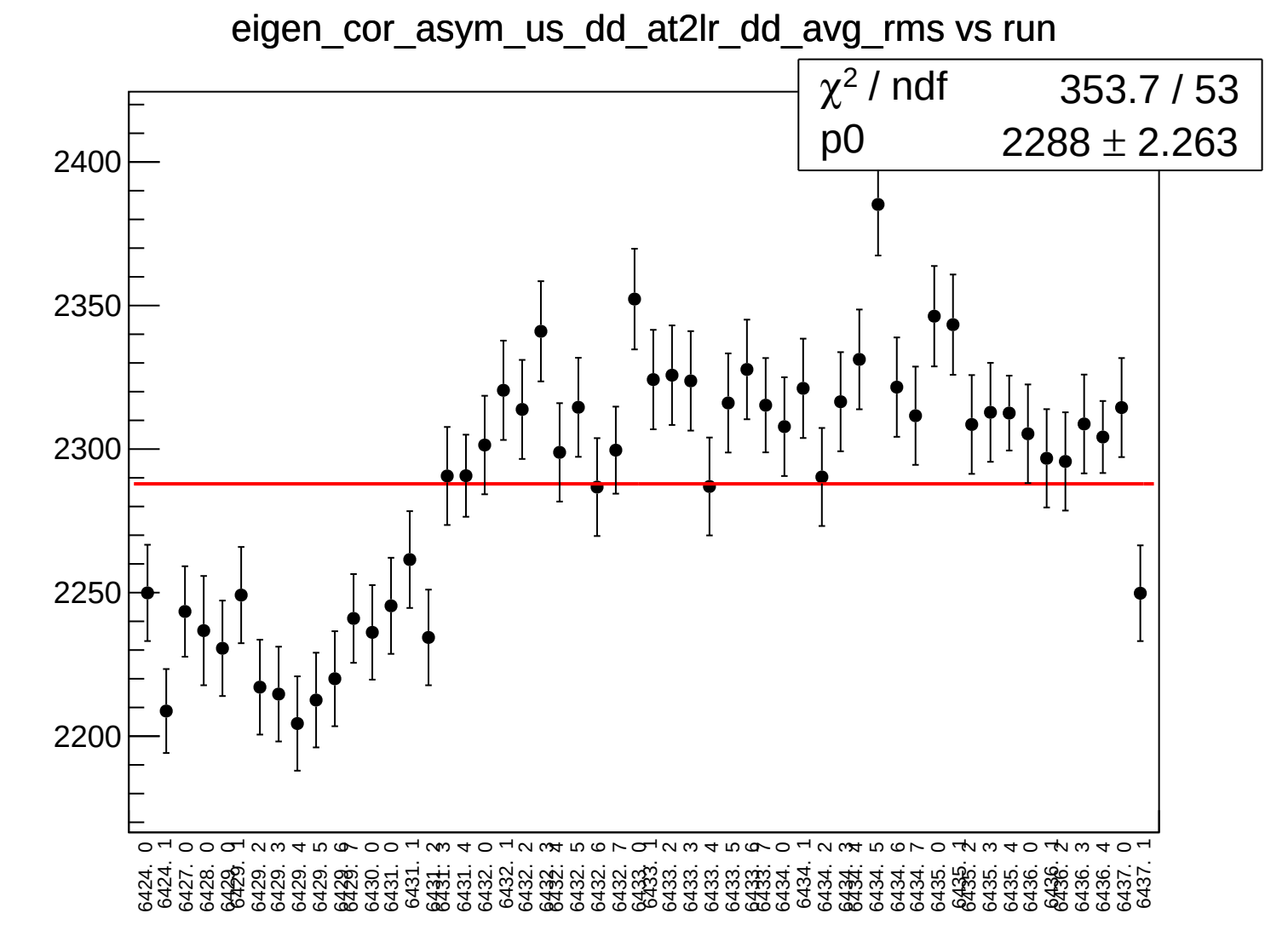

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.84 / 53
p0 1094 ± 3200
pull
Entries 54
Mean −1491
Std Dev 0
pull1D
Entries 54
Mean −0.001527
Std Dev 0.8481

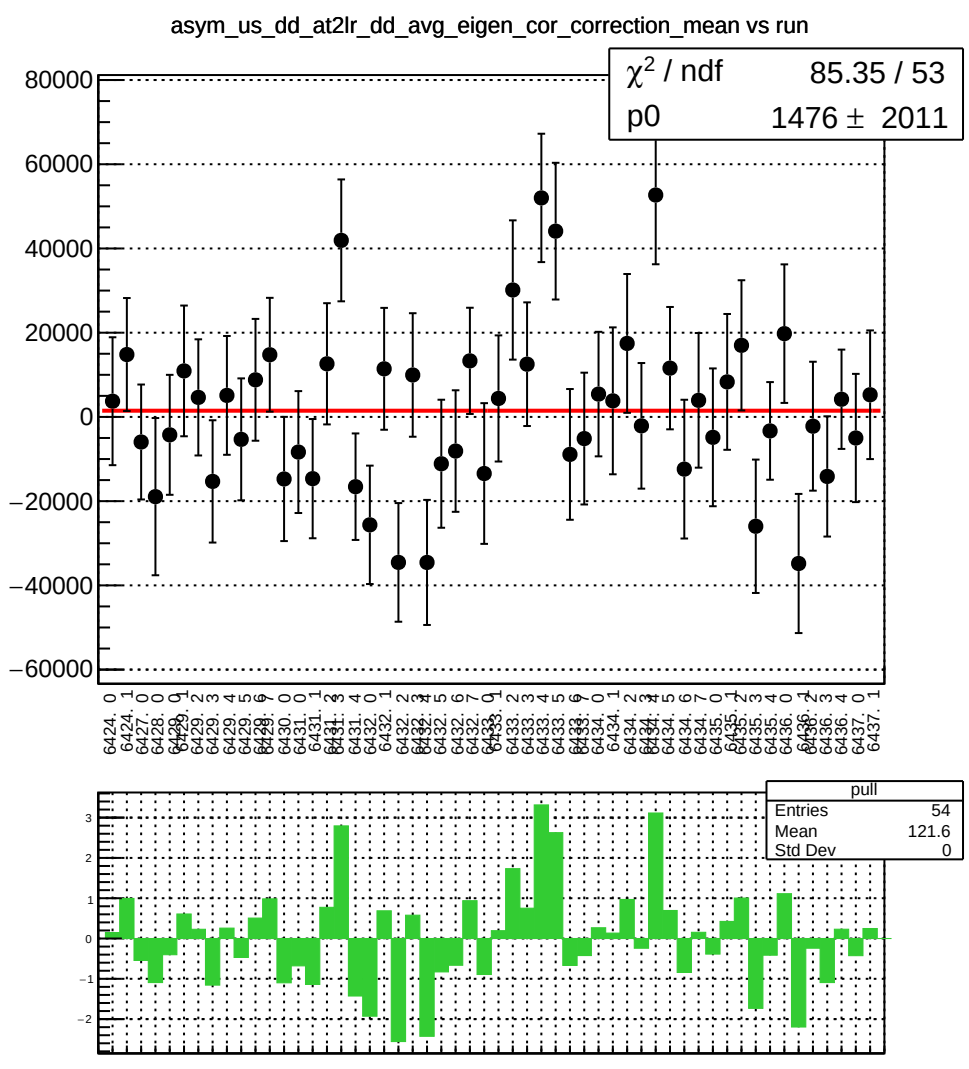

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 353.7 / 53
p0 2288 ± 2.263
2400
2350
2300
2250
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

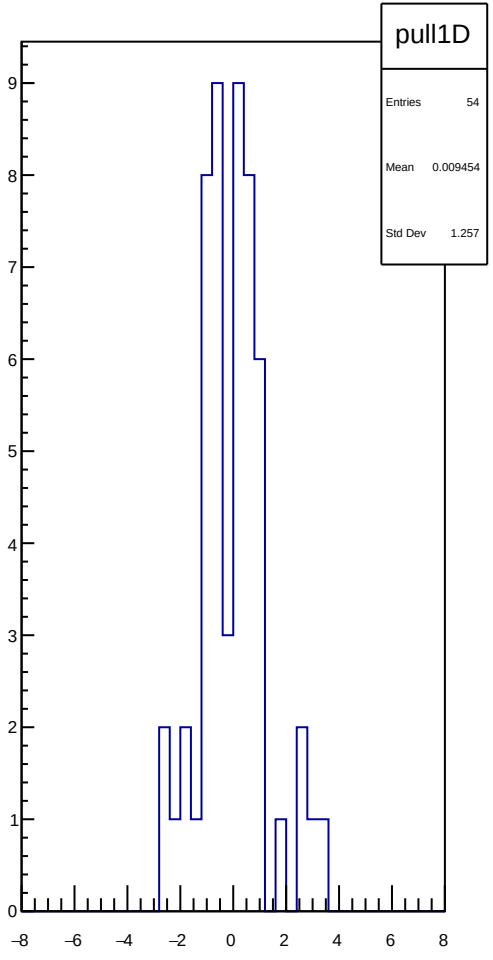

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 85.35 / 53
p0 1476 ± 2011
pull
Entries 54
Mean 121.6
Std Dev 0
pull1D
Entries 54
Mean 0.009454
Std Dev 1.257

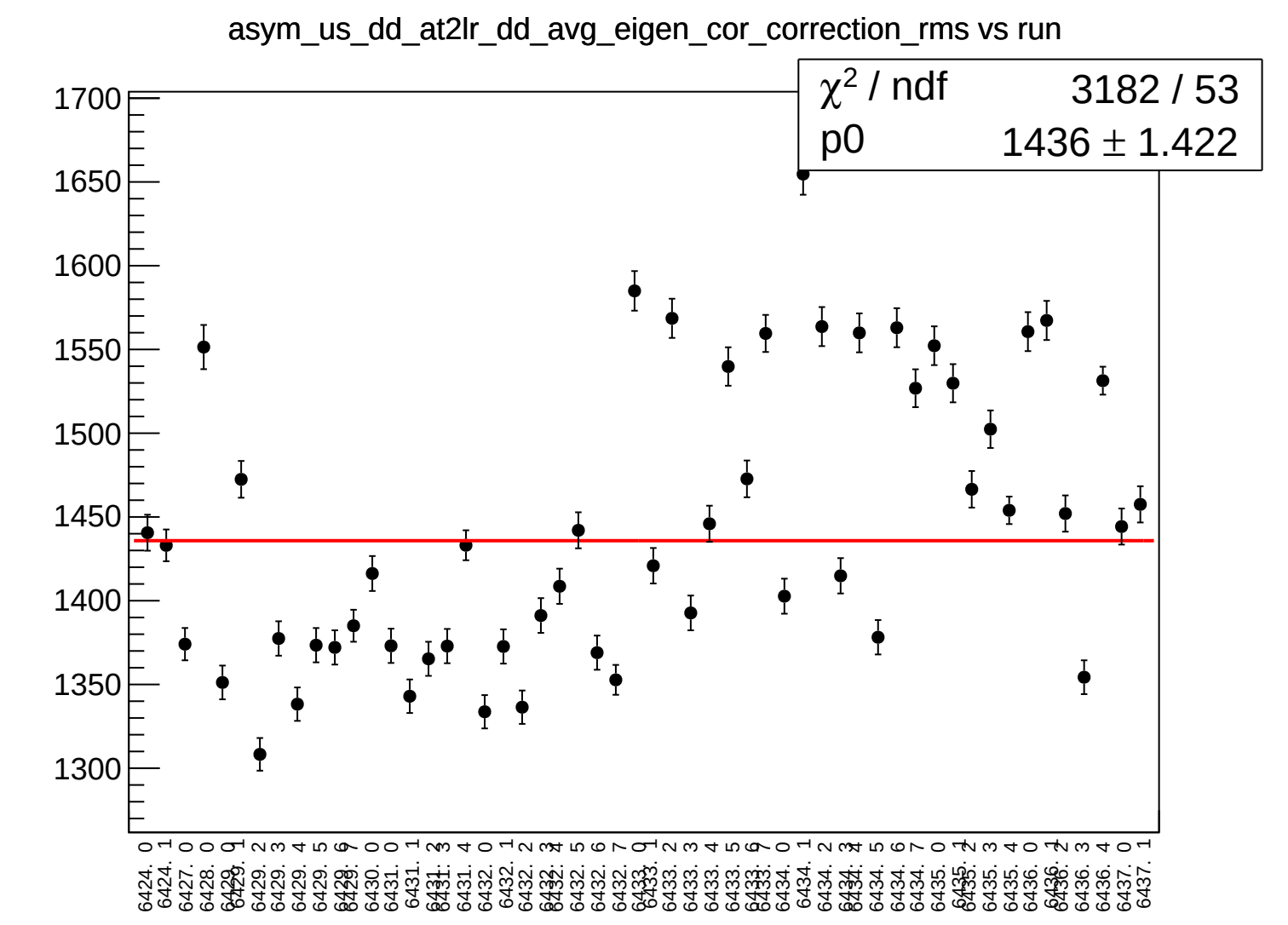

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3182 / 53
p0 1436 ± 1.422
1700
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

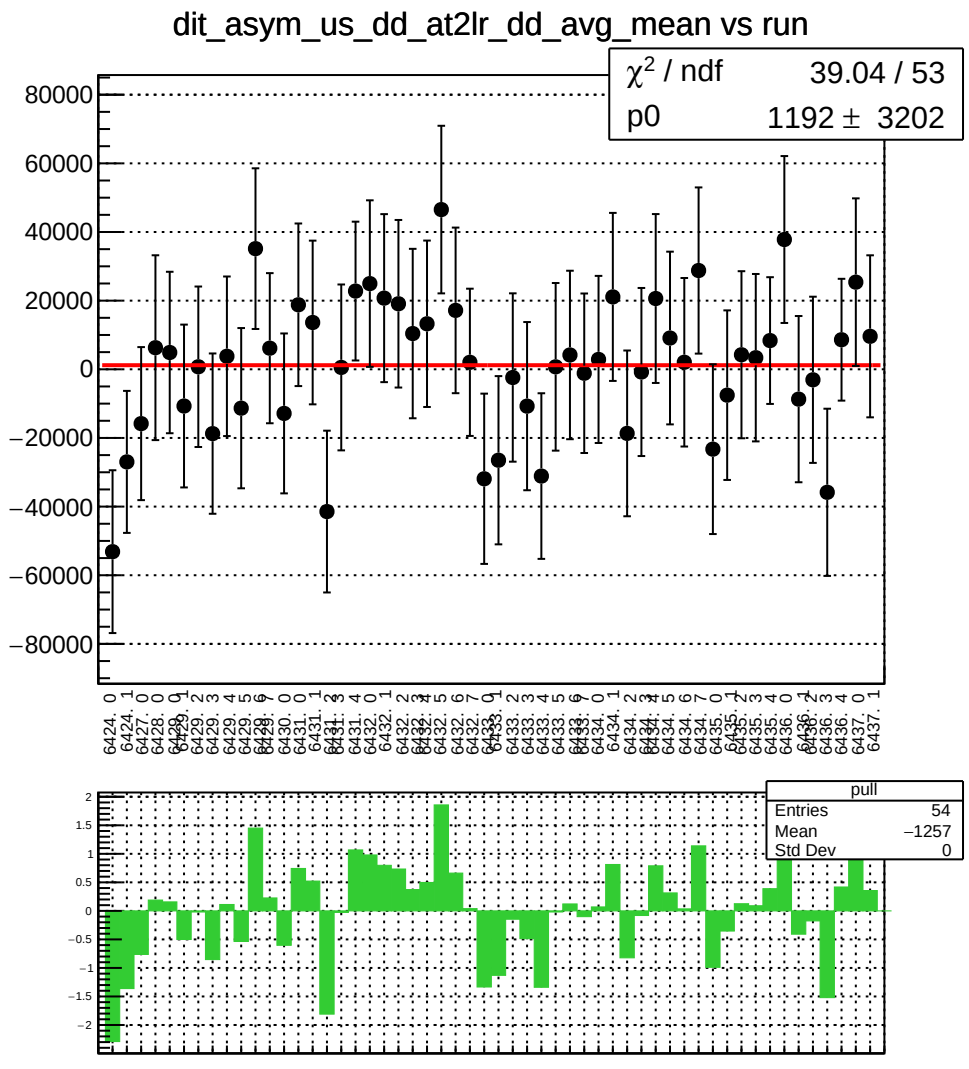

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 38.84 / 53
p0 1094 ± 3200
pull
Entries 54
Mean −1491
Std Dev 0
pull1D
Entries 54
Mean −0.001527
Std Dev 0.8481

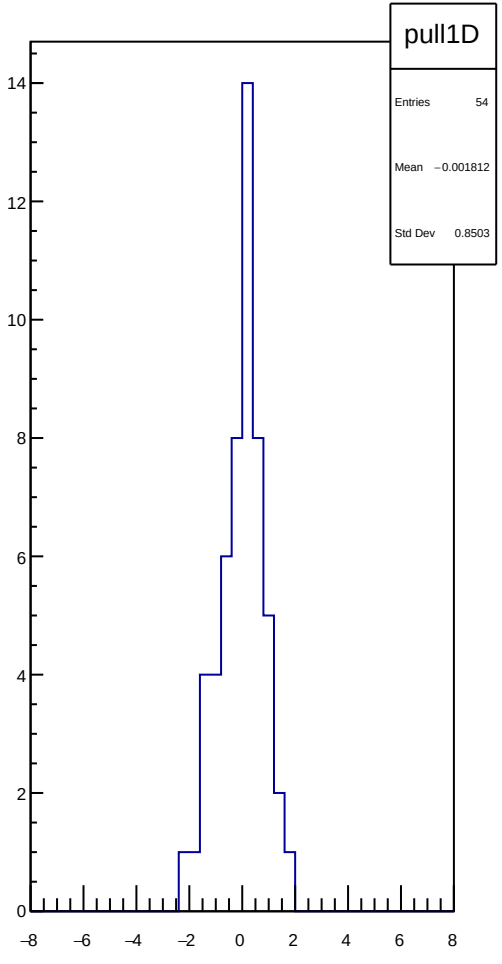

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 353.7 / 53
p0 2288 ± 2.263
2400
2350
2300
2250
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

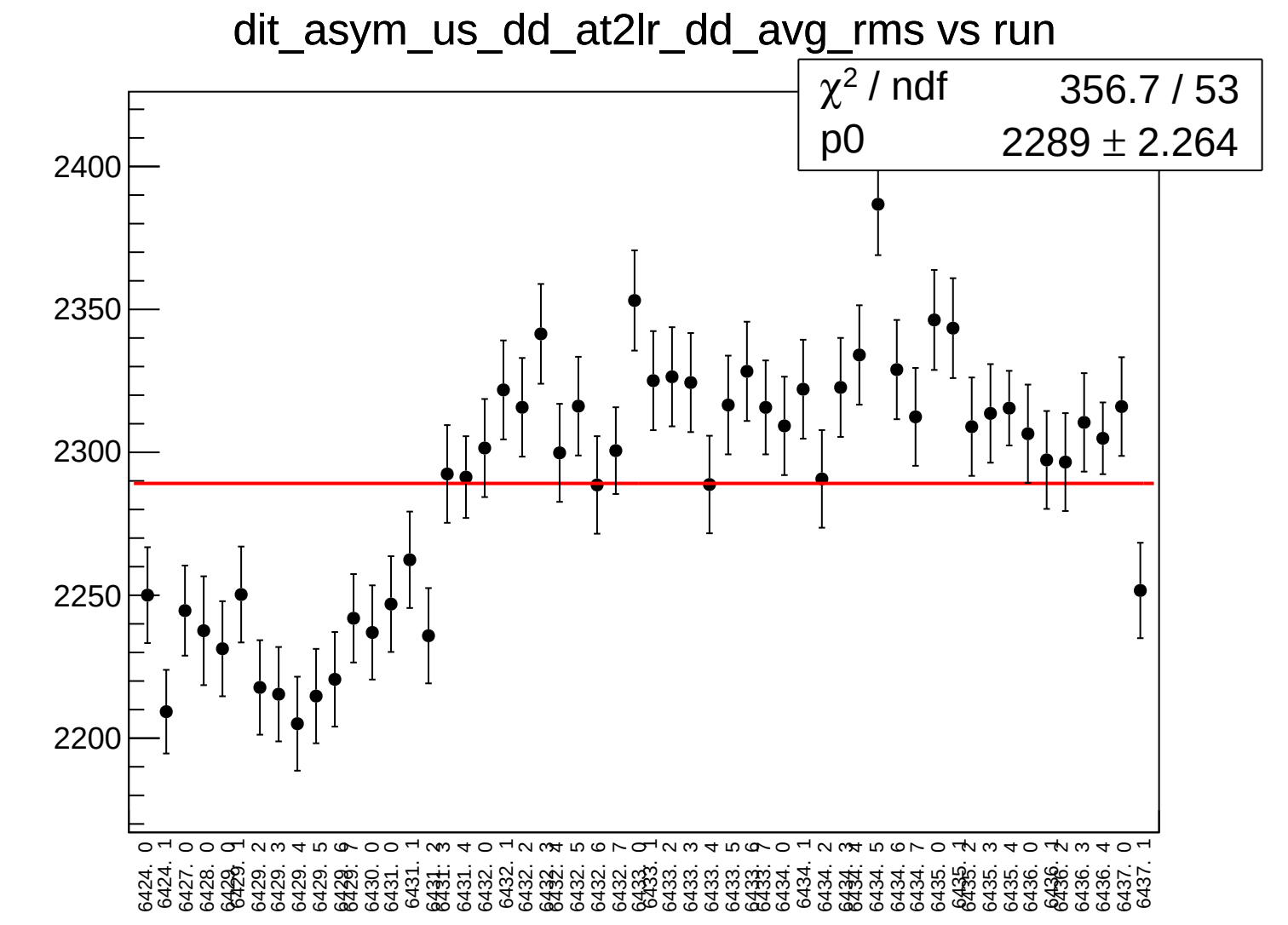

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.35 / 53
p0 1476 ± 2011
pull
Entries 54
Mean 121.6
Std Dev 0

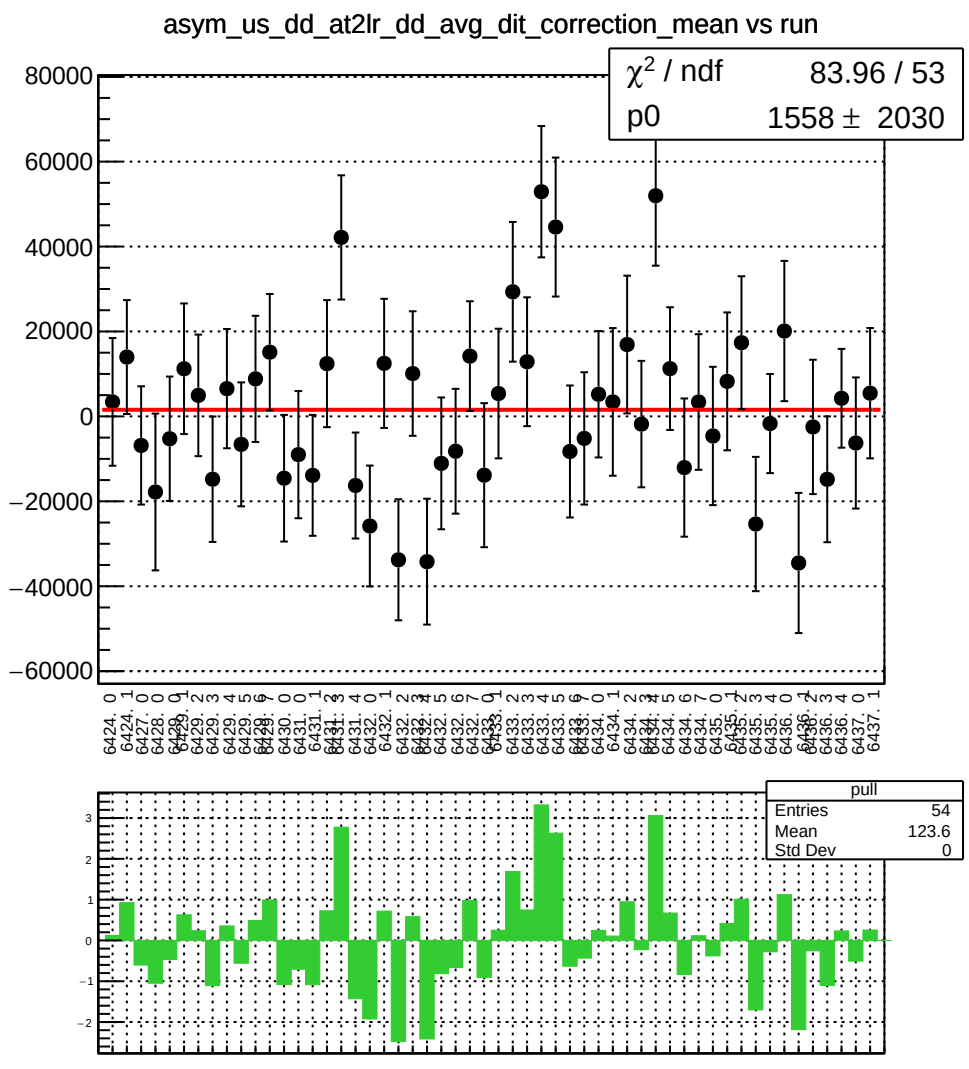

pull1D
Entries 54
Mean 0.009454
Std Dev 1.257

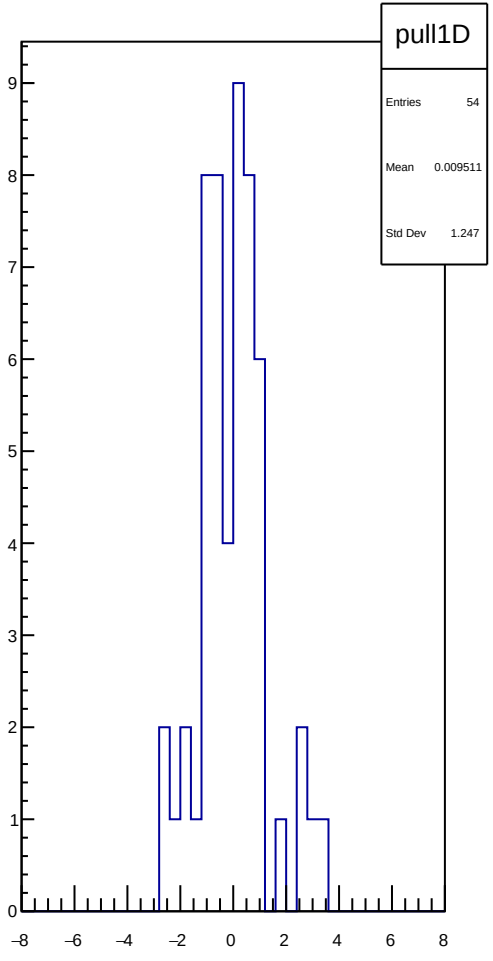

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3182 / 53
p0 1436 ± 1.422
1700
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

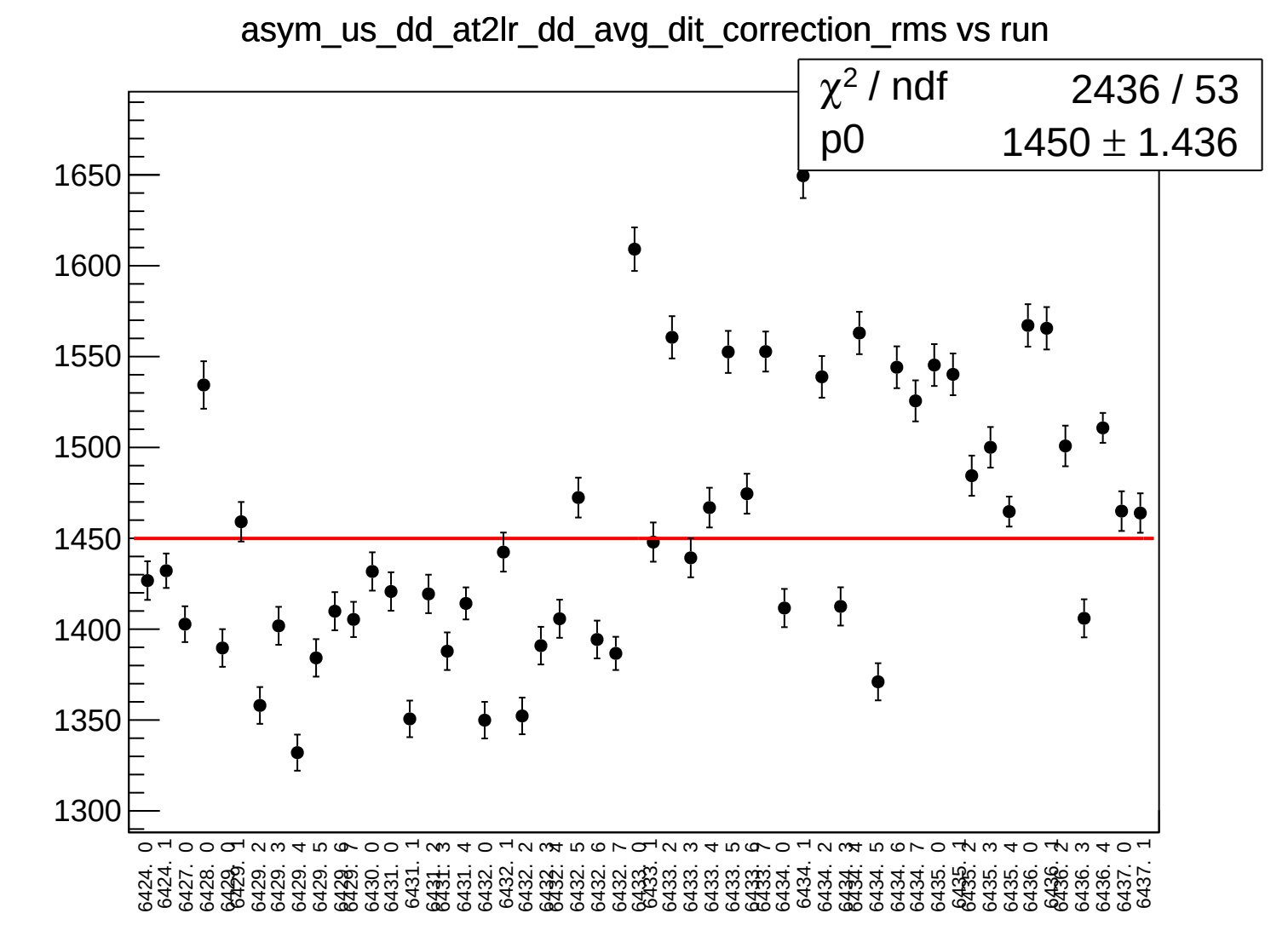

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.04 / 53
p0 1192 ± 3202
pull
Entries 54
Mean −1257
Std Dev 0

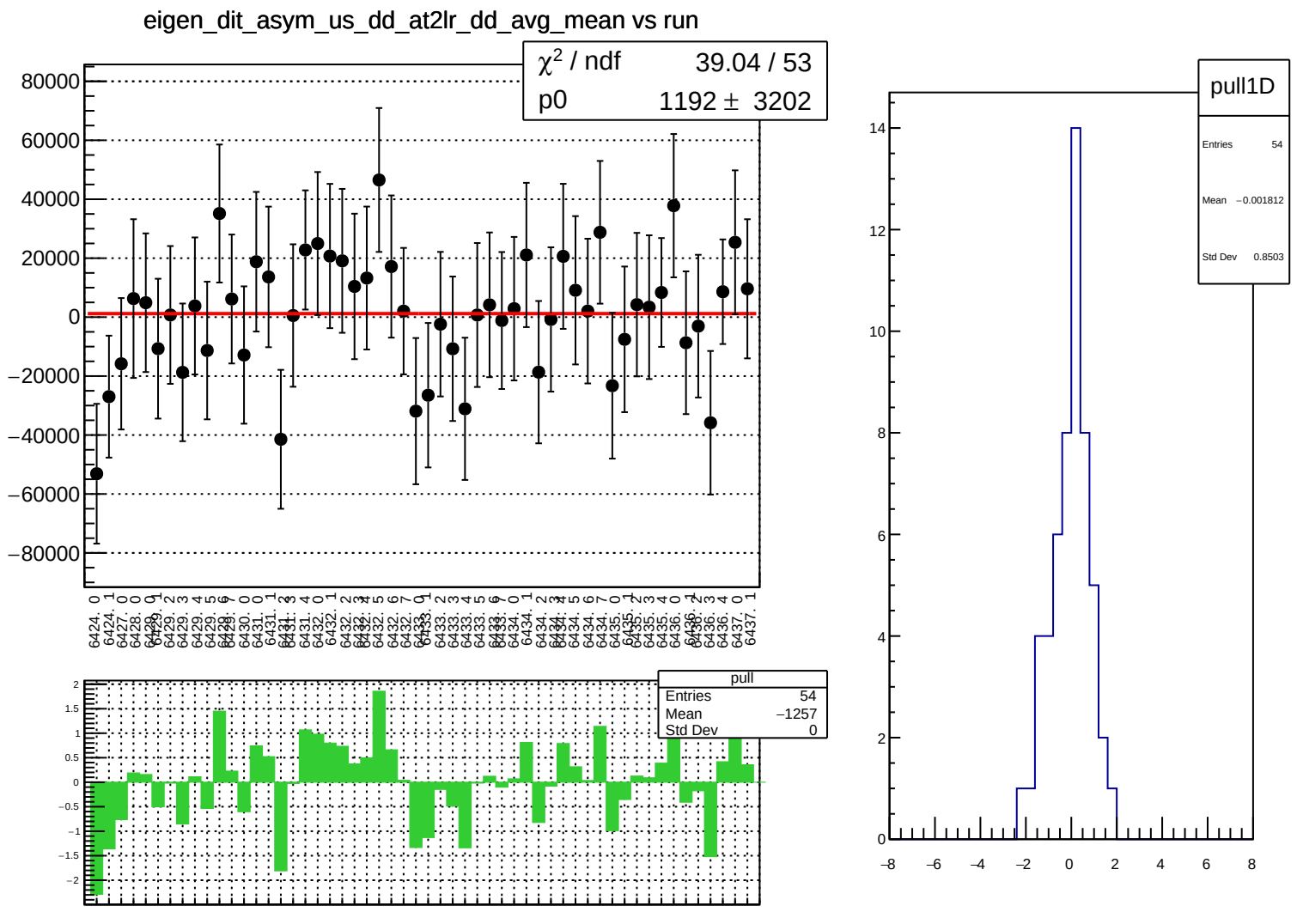

pull1D
Entries 54
Mean −0.001812
Std Dev 0.8503

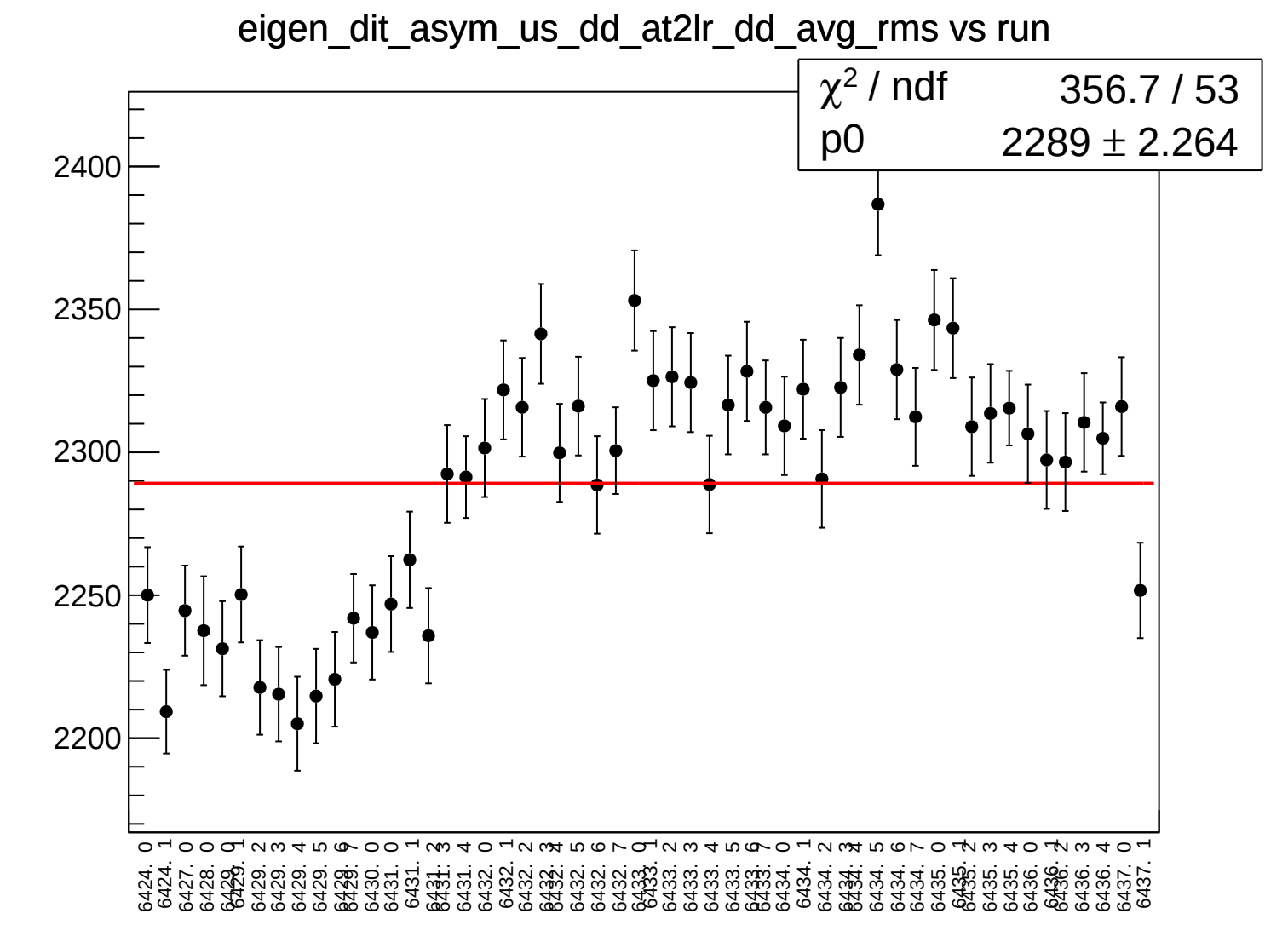

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 356.7 / 53
p0 2289 ± 2.264
2400
2350
2300
2250
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

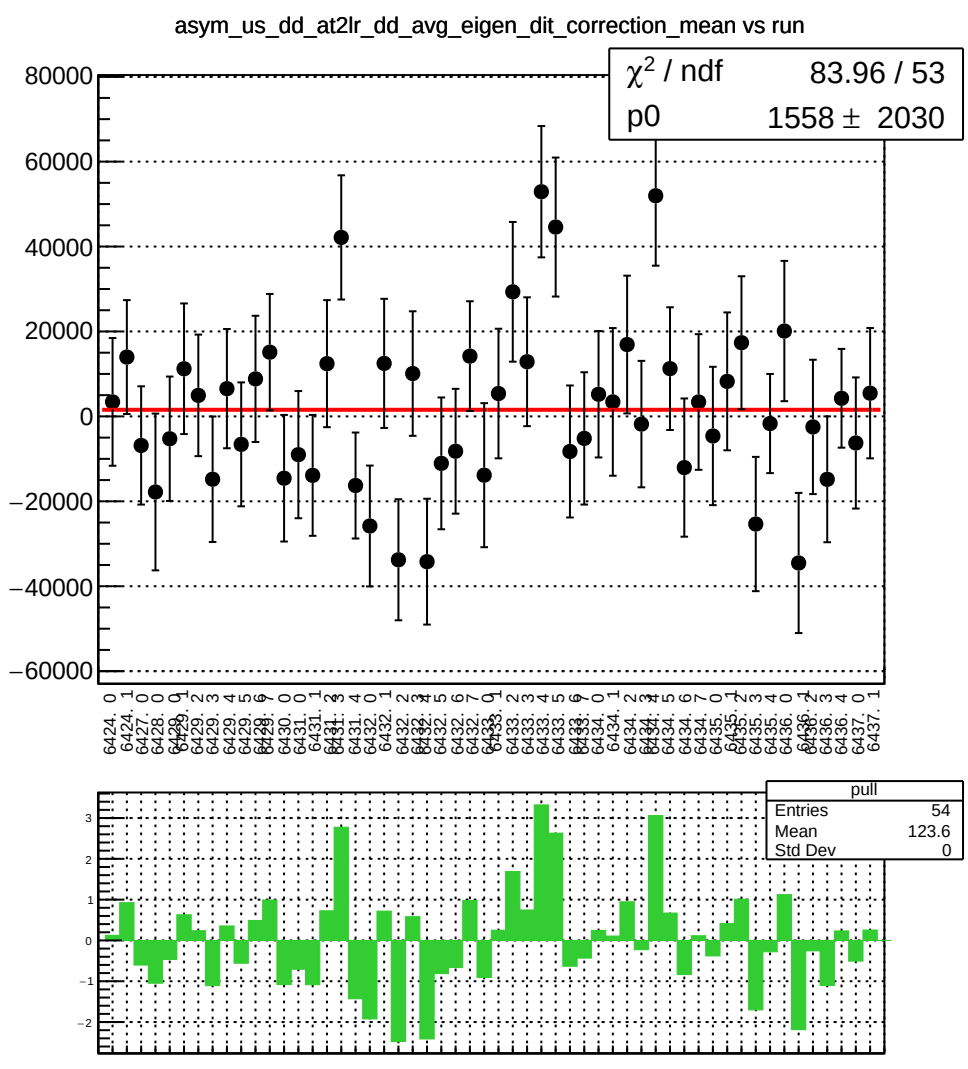

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 83.96 / 53
p0 1558 ± 2030
pull
Entries 54
Mean 123.6
Std Dev 0

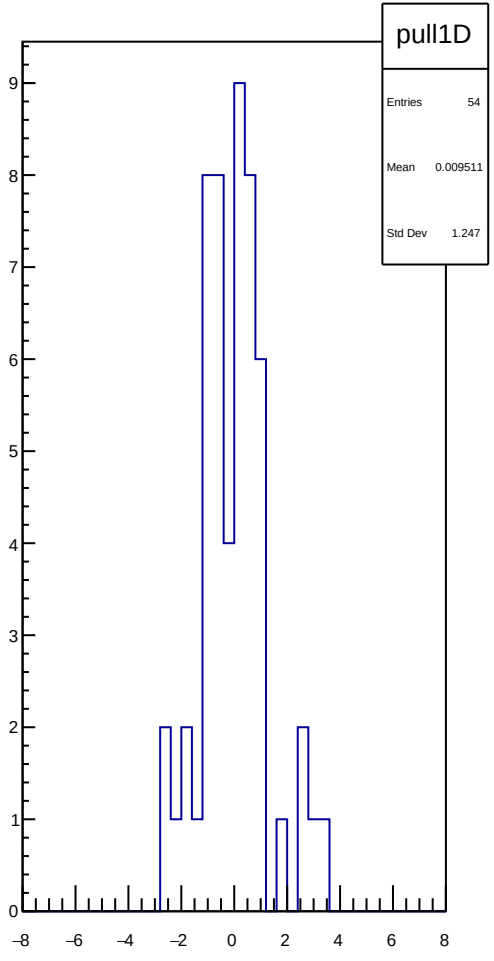

pull1D
Entries 54
Mean 0.009511
Std Dev 1.247

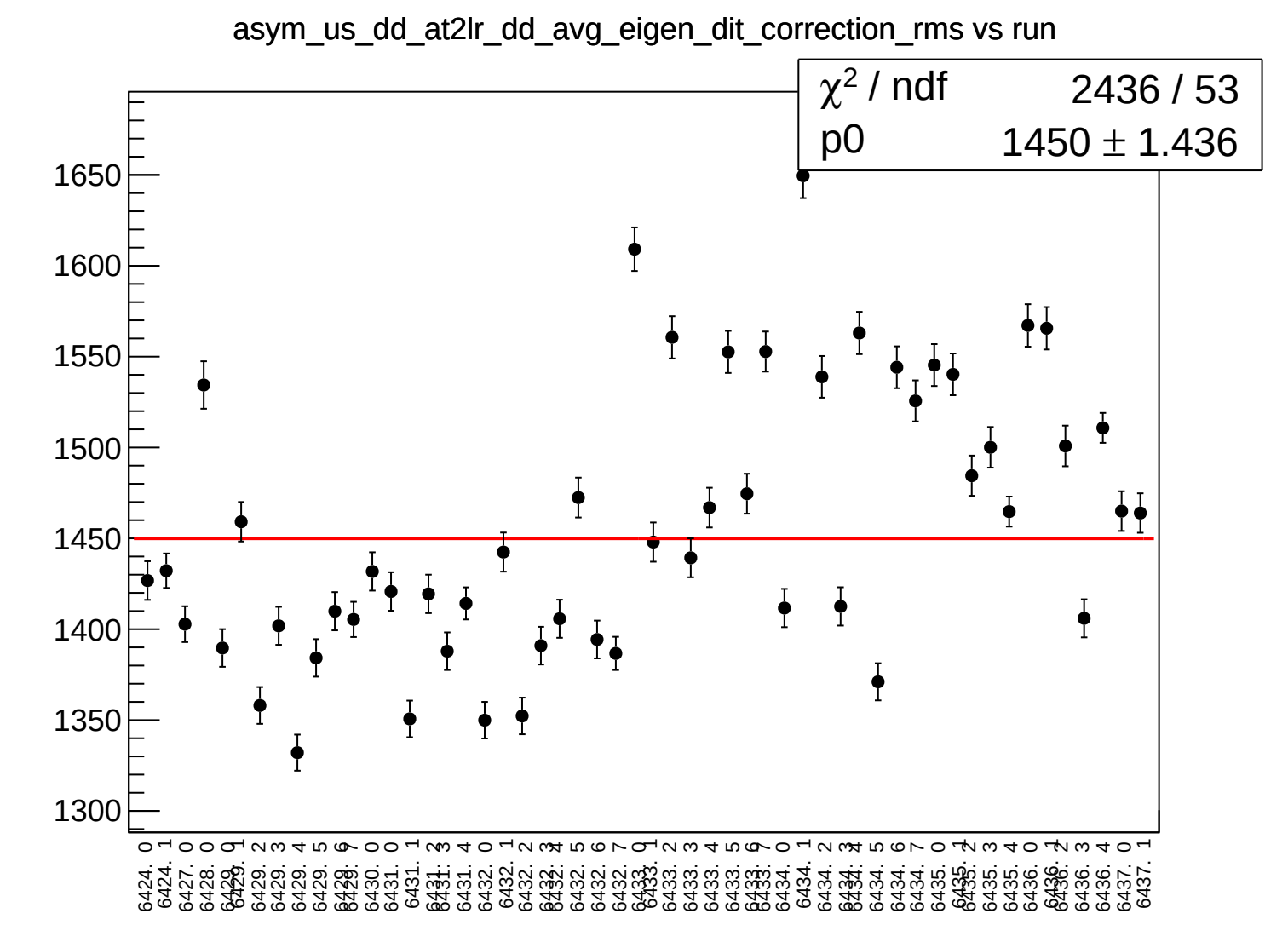

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2436 / 53
p0 1450 ± 1.436
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

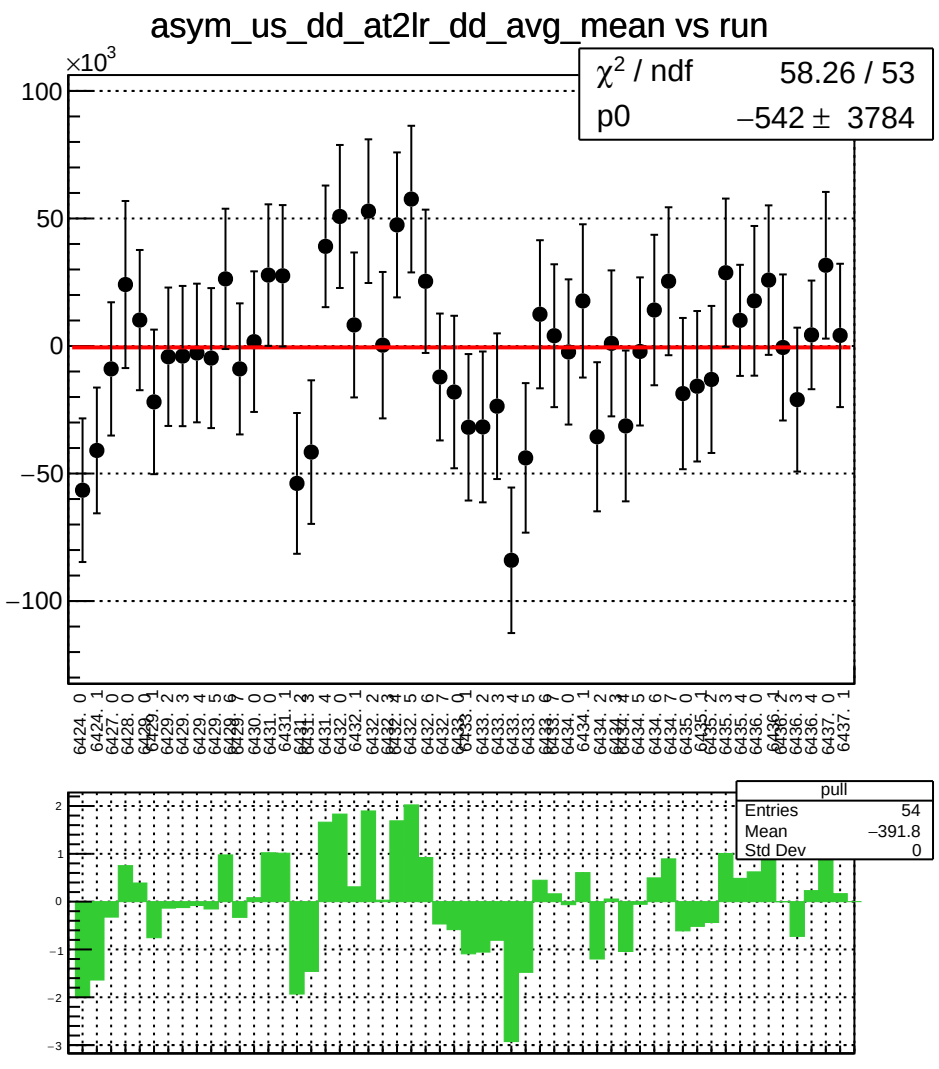

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 39.04 / 53
p0 1192 ± 3202
pull
Entries 54
Mean −1257
Std Dev 0
pull1D
Entries 54
Mean −0.001812
Std Dev 0.8503

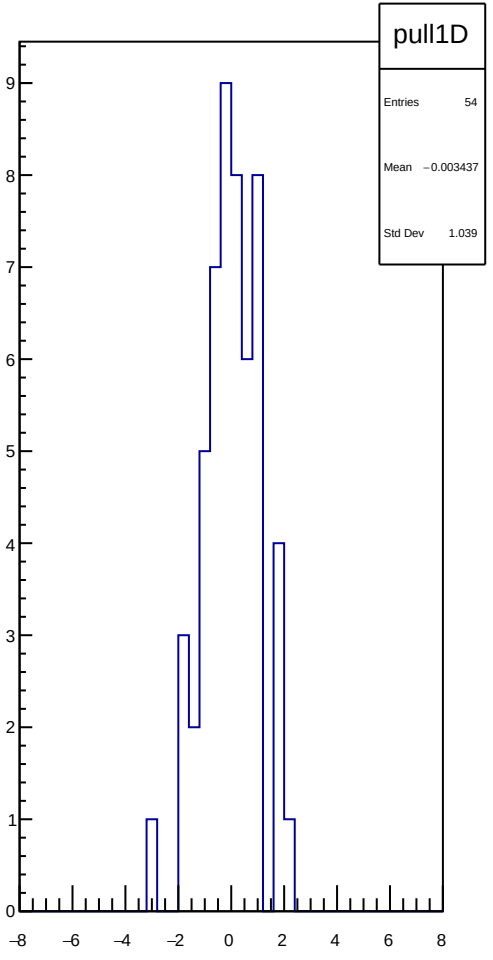

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 356.7 / 53
p0 2289 ± 2.264
2400
2350
2300
2250
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

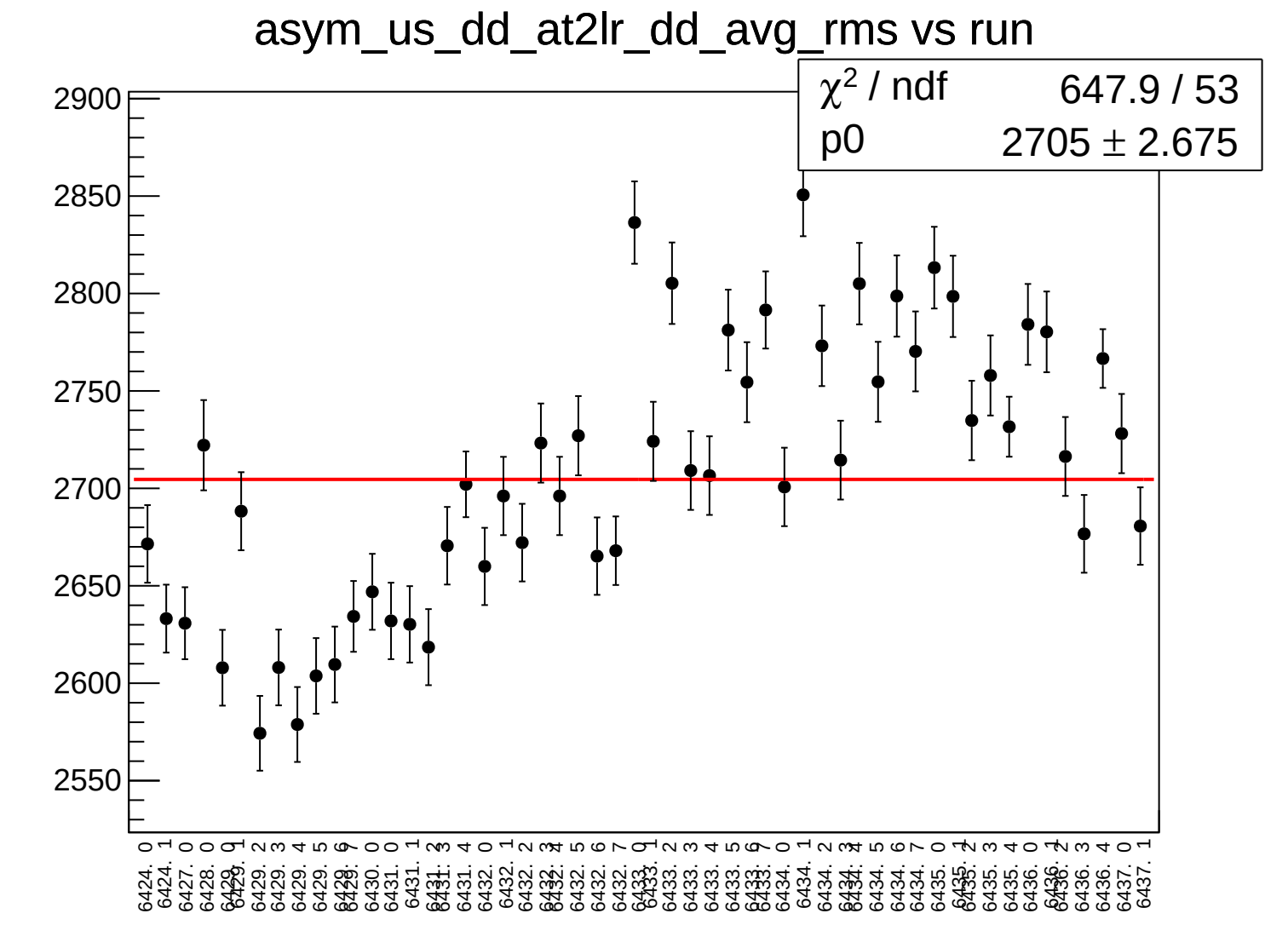

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.96 / 53
p0 1558 ± 2030
pull
Entries 54
Mean 123.6
Std Dev 0


pull1D
Entries 54
Mean 0.009511
Std Dev 1.247


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2436 / 53
p0 1450 ± 1.436
1650
1600
1550
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 58.26 / 53
p0 −542 ± 3784
100
50
0
−50
−100
pull
Entries 54
Mean −391.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.003437
Std Dev 1.039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 647.9 / 53
p0 2705 ± 2.675
2900
2850
2800
2750
2700
2650
2600
2550
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 6
6432. 7
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6435. 0
6435. 3
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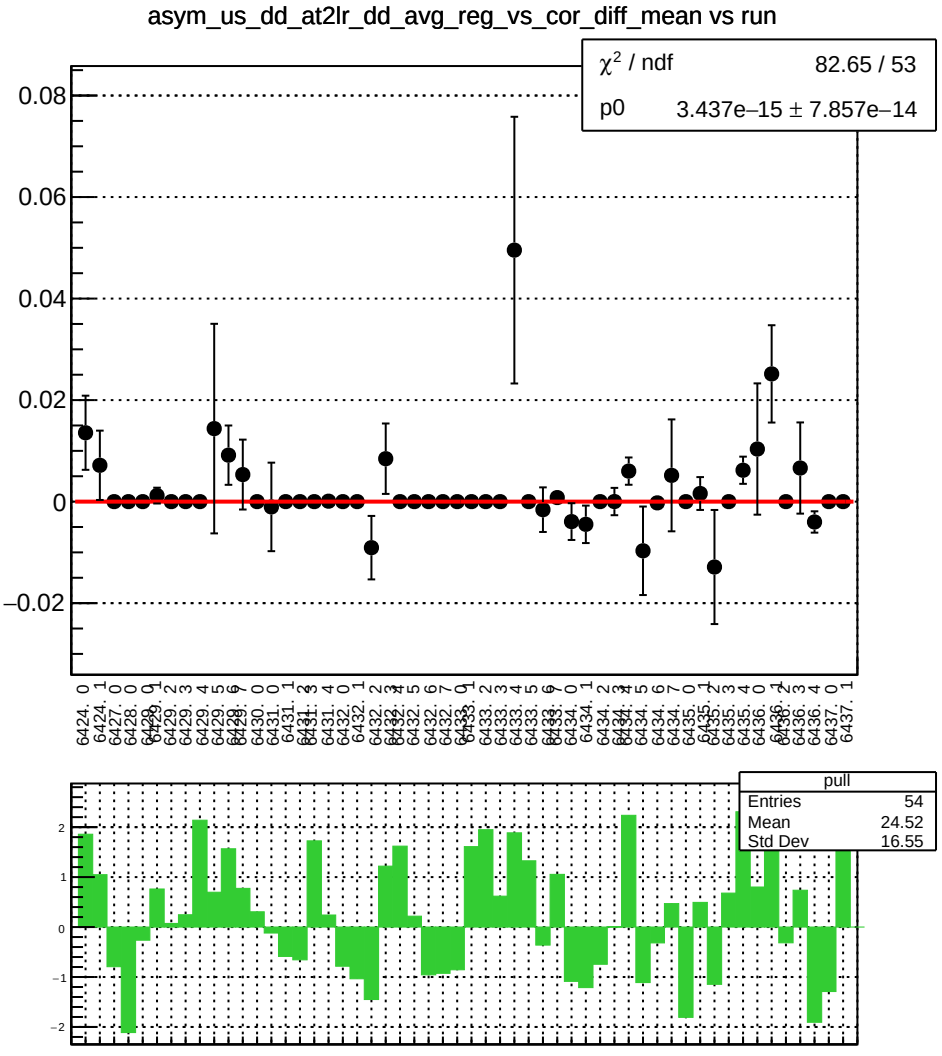
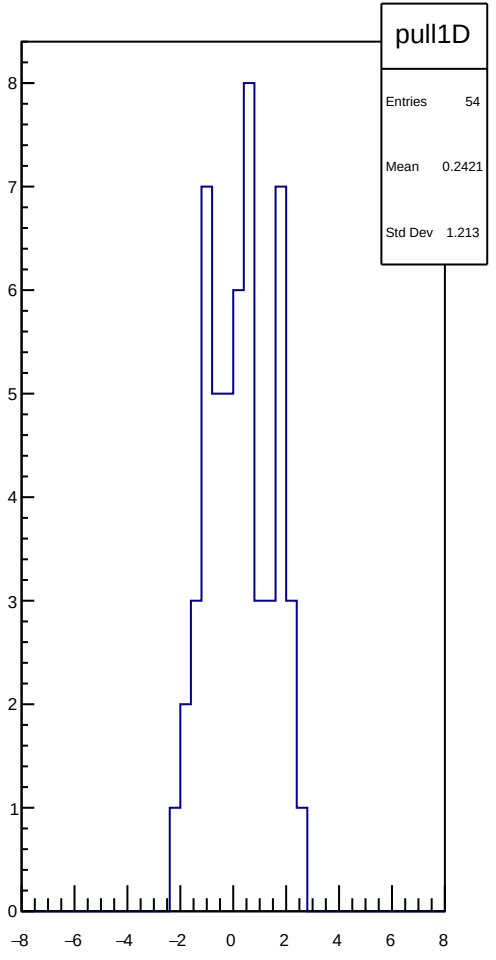
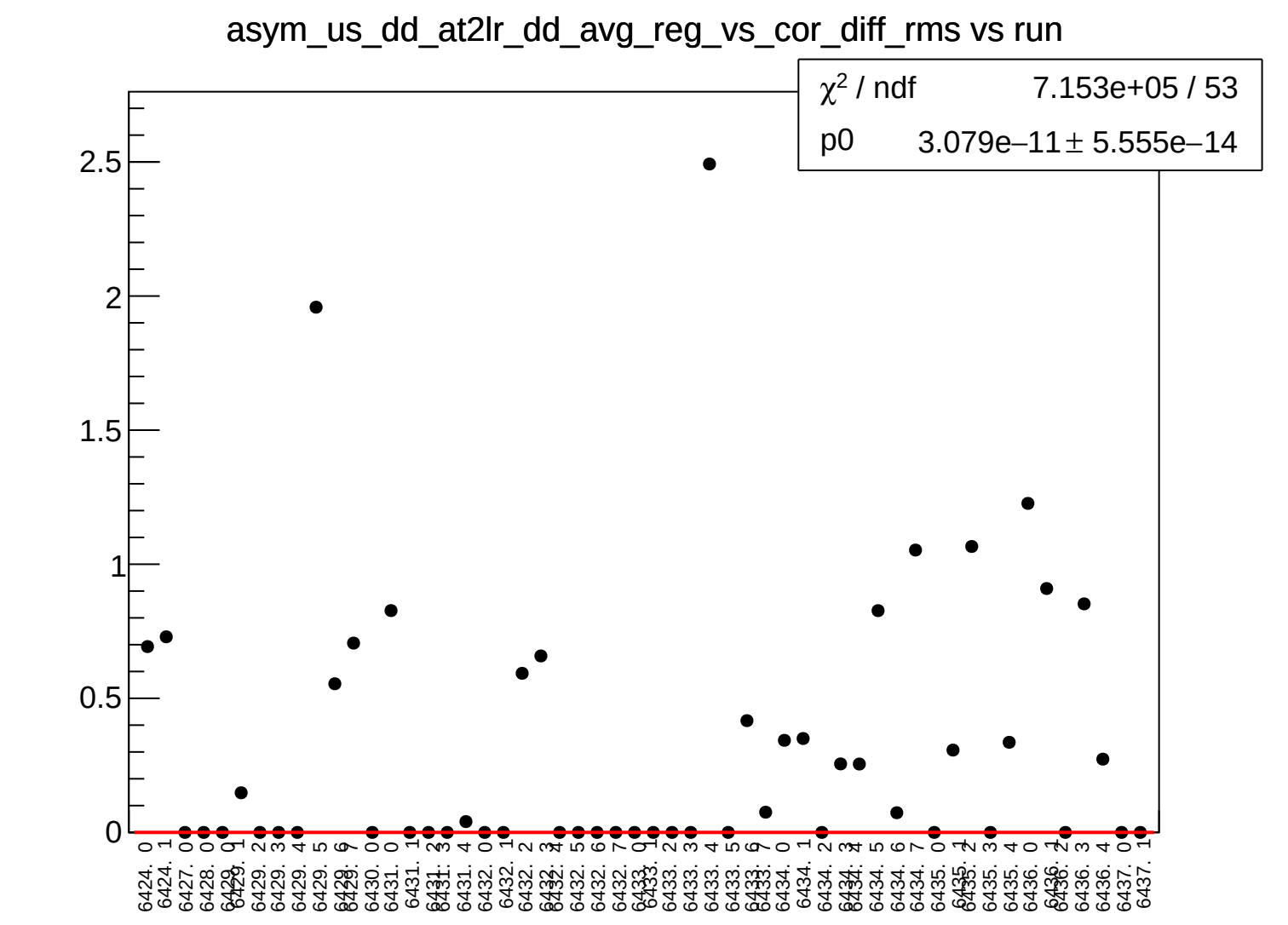
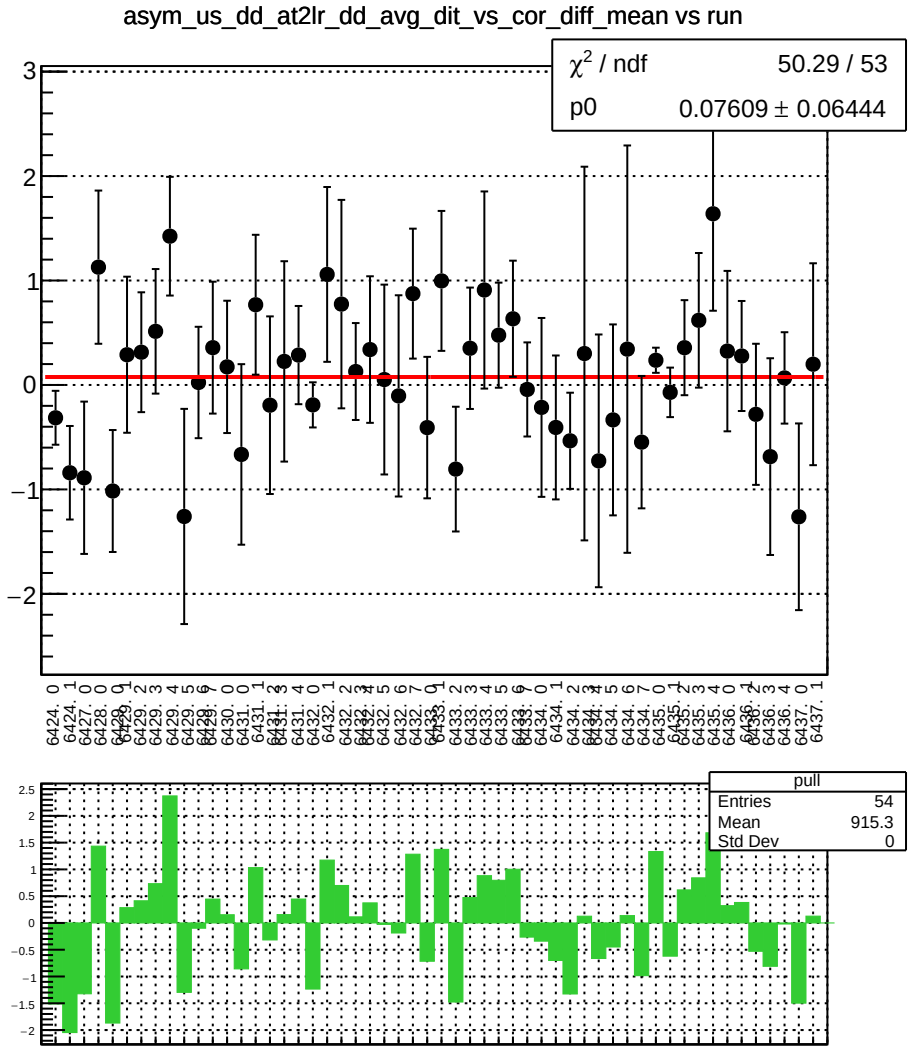
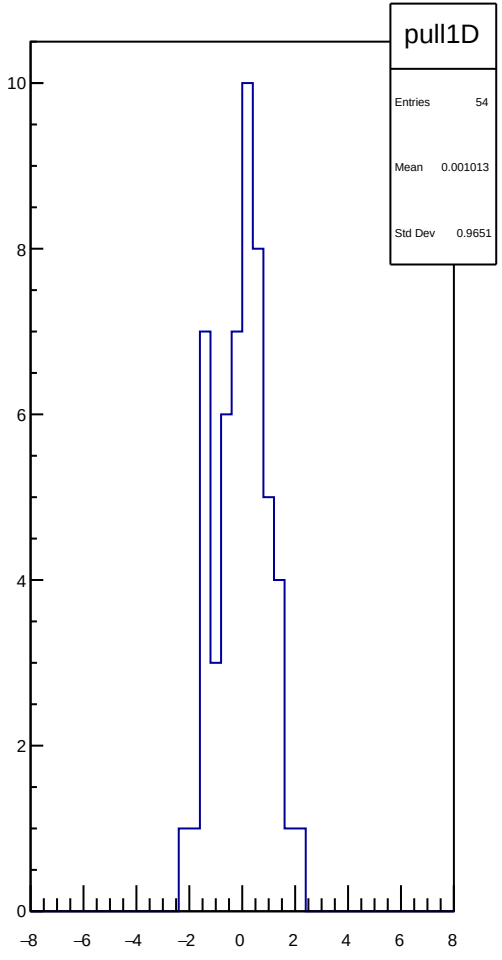
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

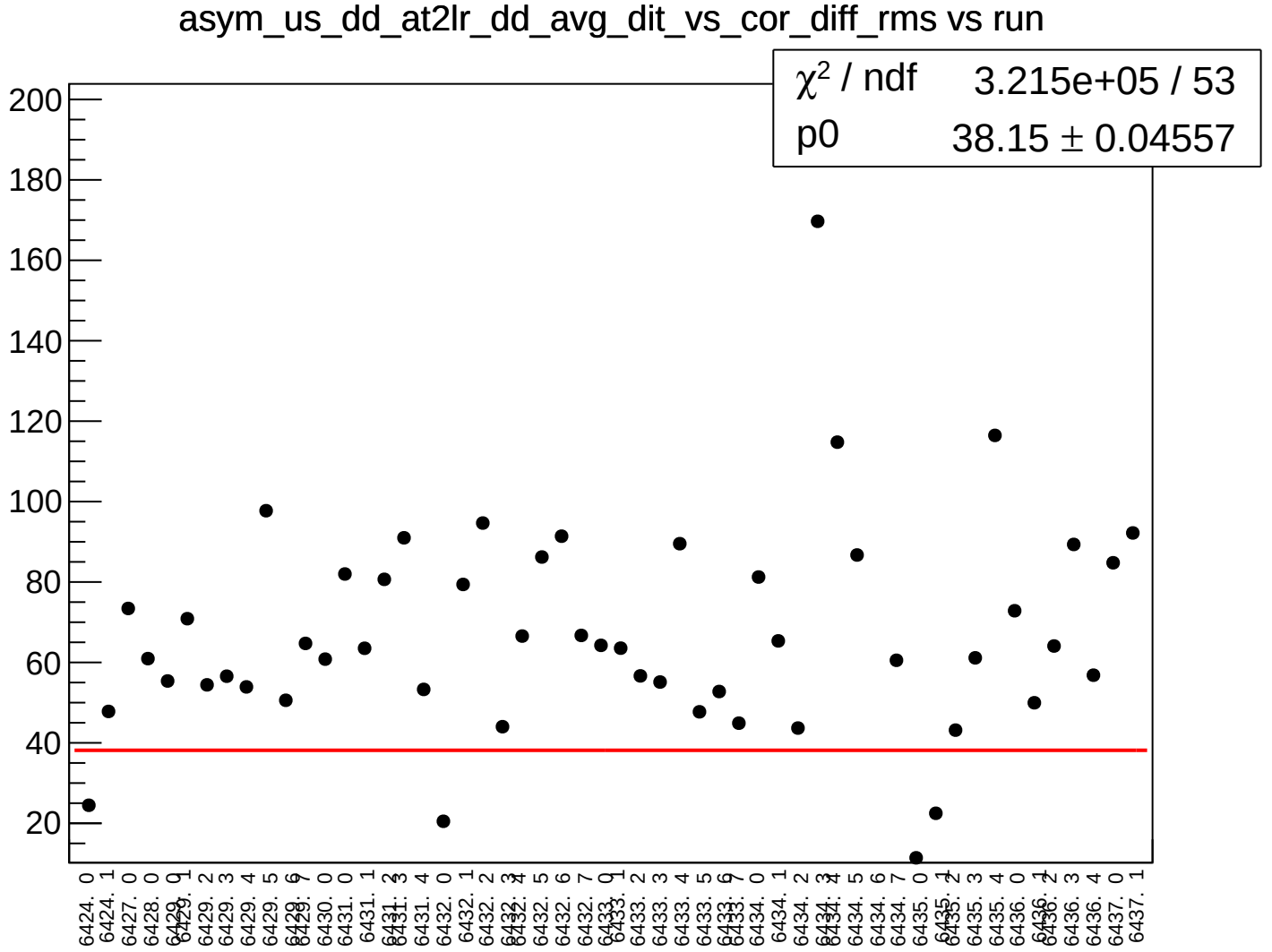

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.65 / 53
p0 3.437e−15 ± 7.857e−14
0.08
0.06
0.04
0.02
0
−0.02
pull
Entries 54
Mean 24.52
Std Dev 16.55
2
1
0
−1
−2

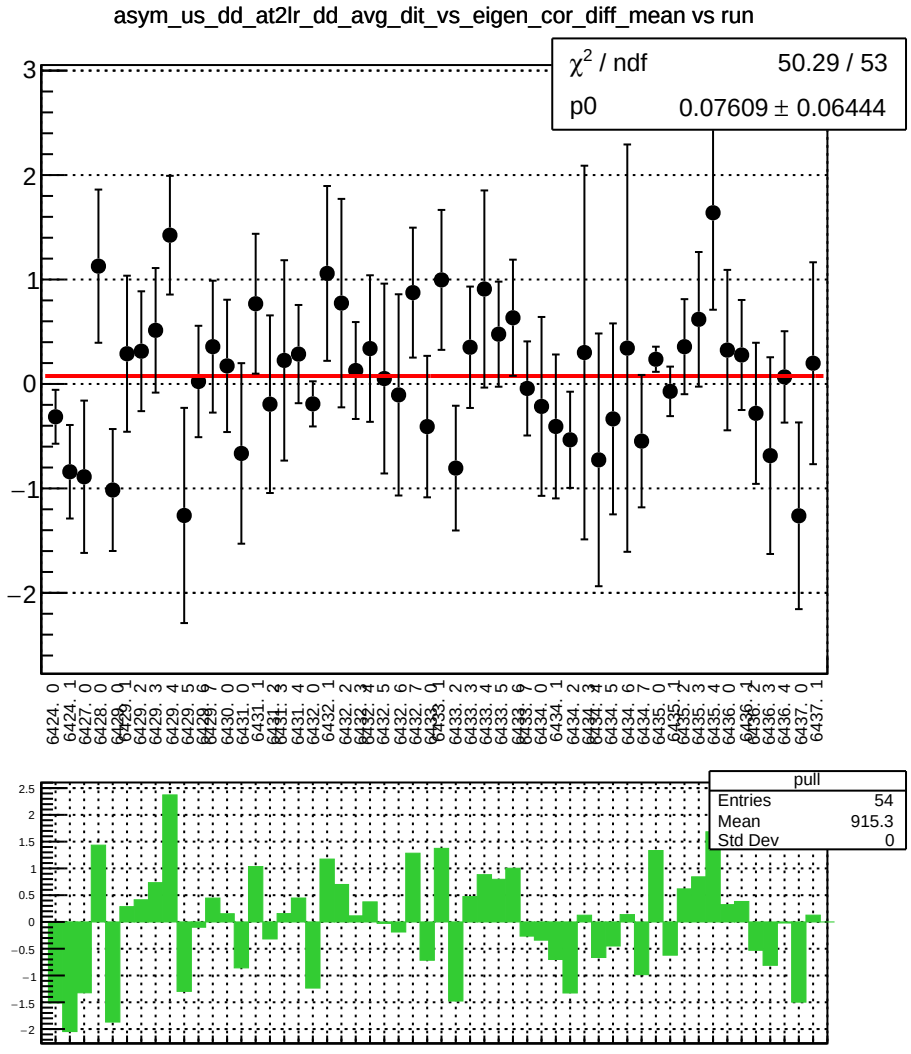

pull1D
Entries 54
Mean 0.2421
Std Dev 1.213
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

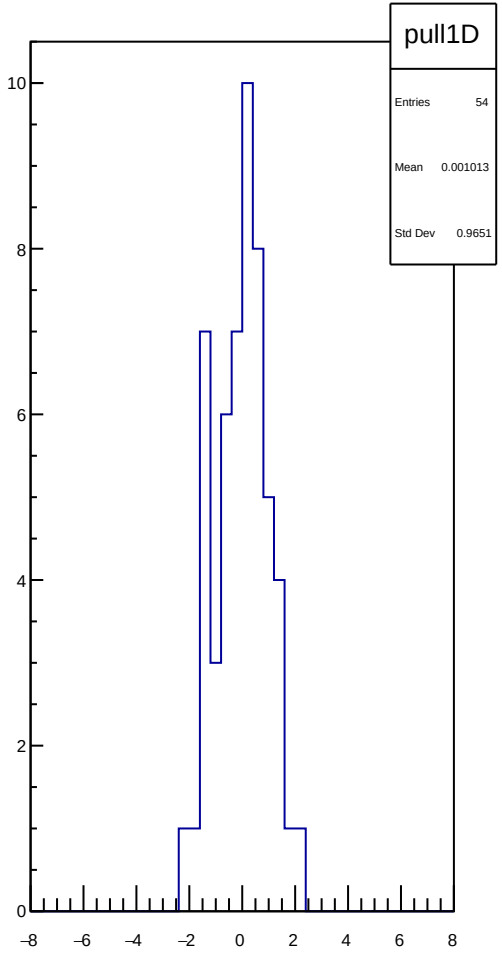

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.153e+05 / 53
p0 3.079e−11 ± 5.555e−14
2.5
2
1.5
1
0.5
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

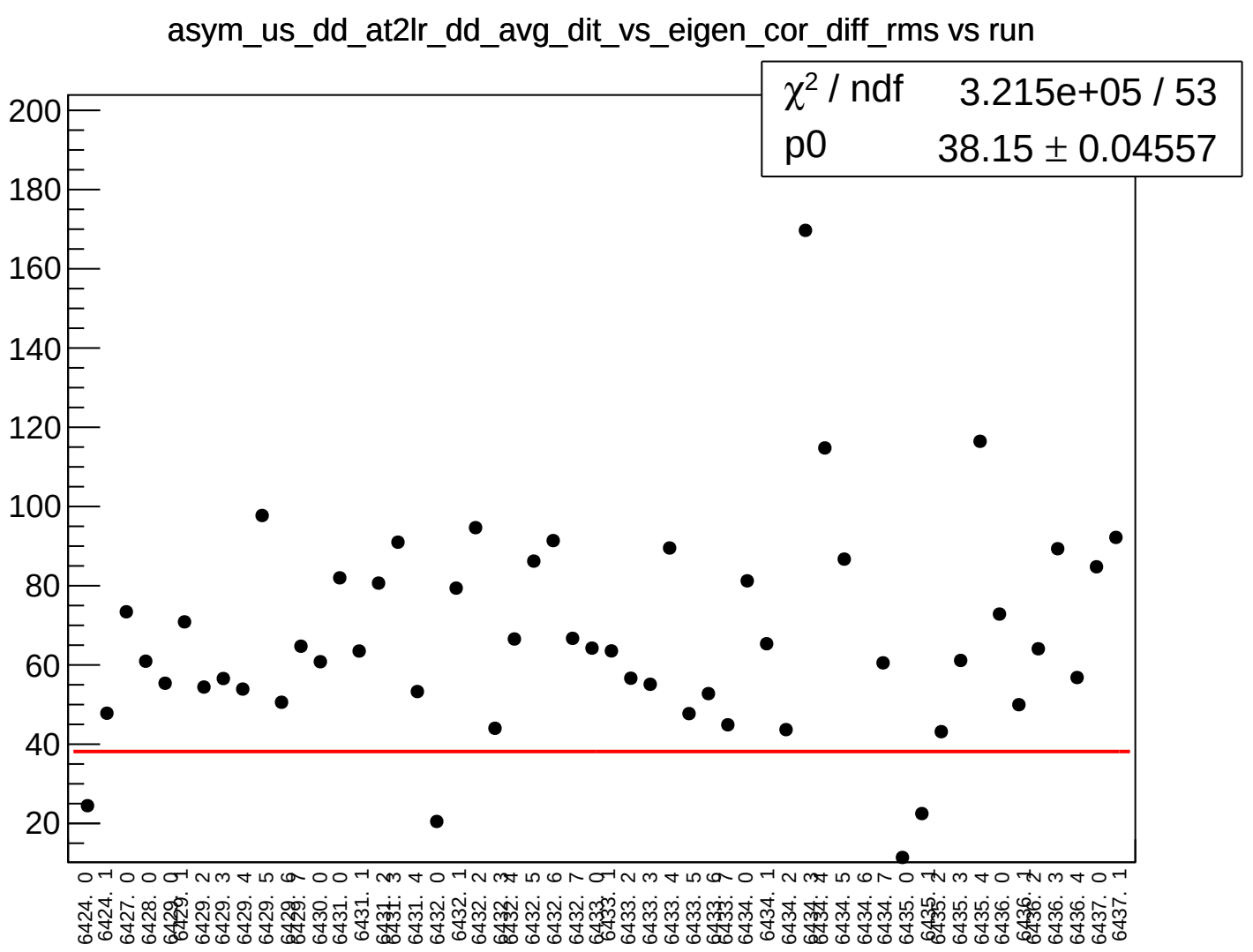

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.29 / 53
p0 0.07609 ± 0.06444
pull
Entries 54
Mean 915.3
Std Dev 0

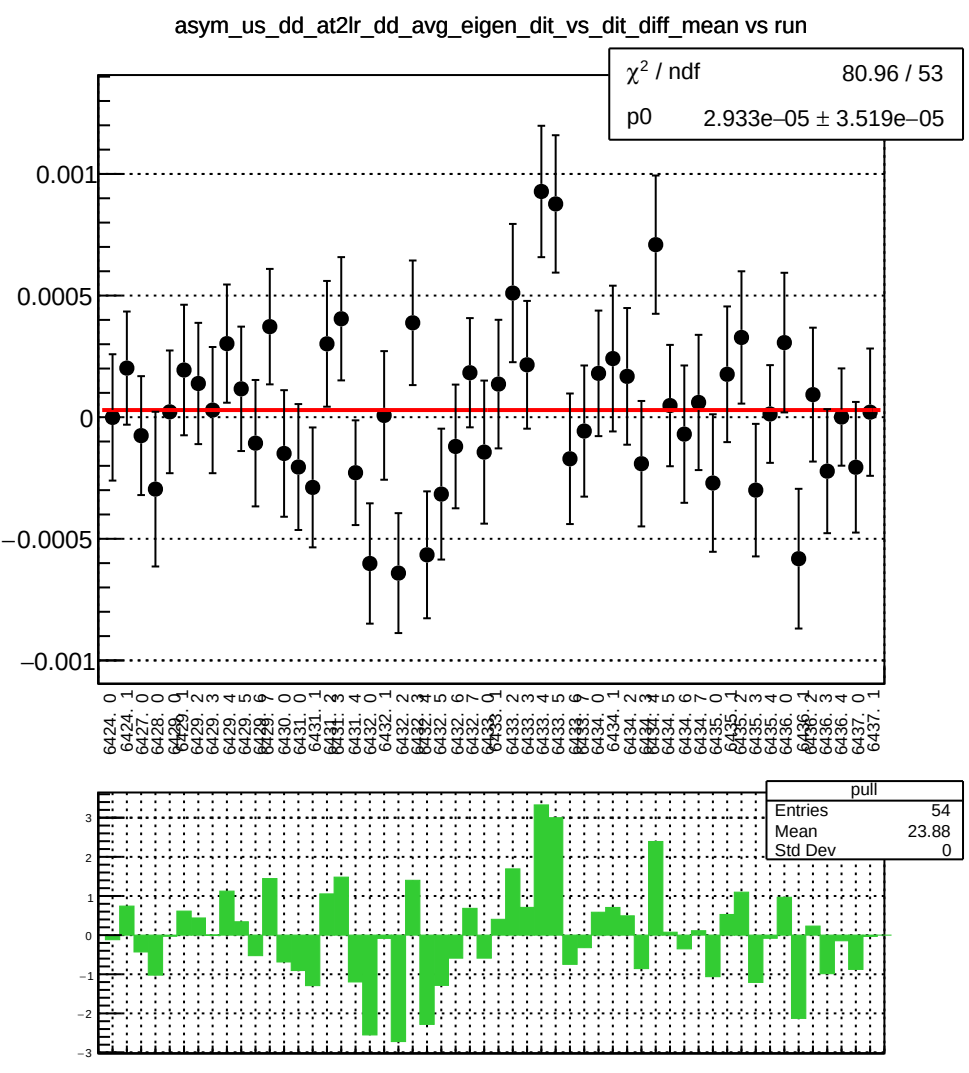

pull1D
Entries 54
Mean 0.001013
Std Dev 0.9651

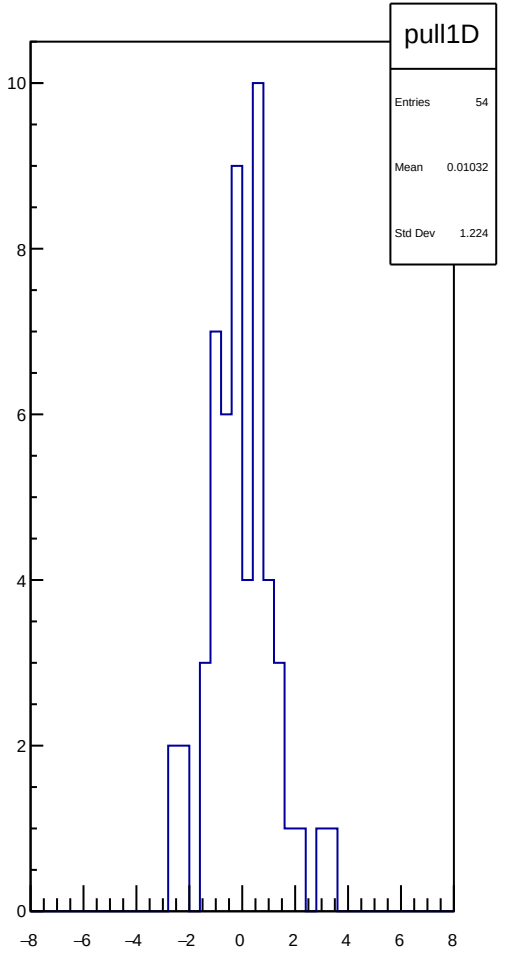

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.215e+05 / 53
p0 38.15 ± 0.04557
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

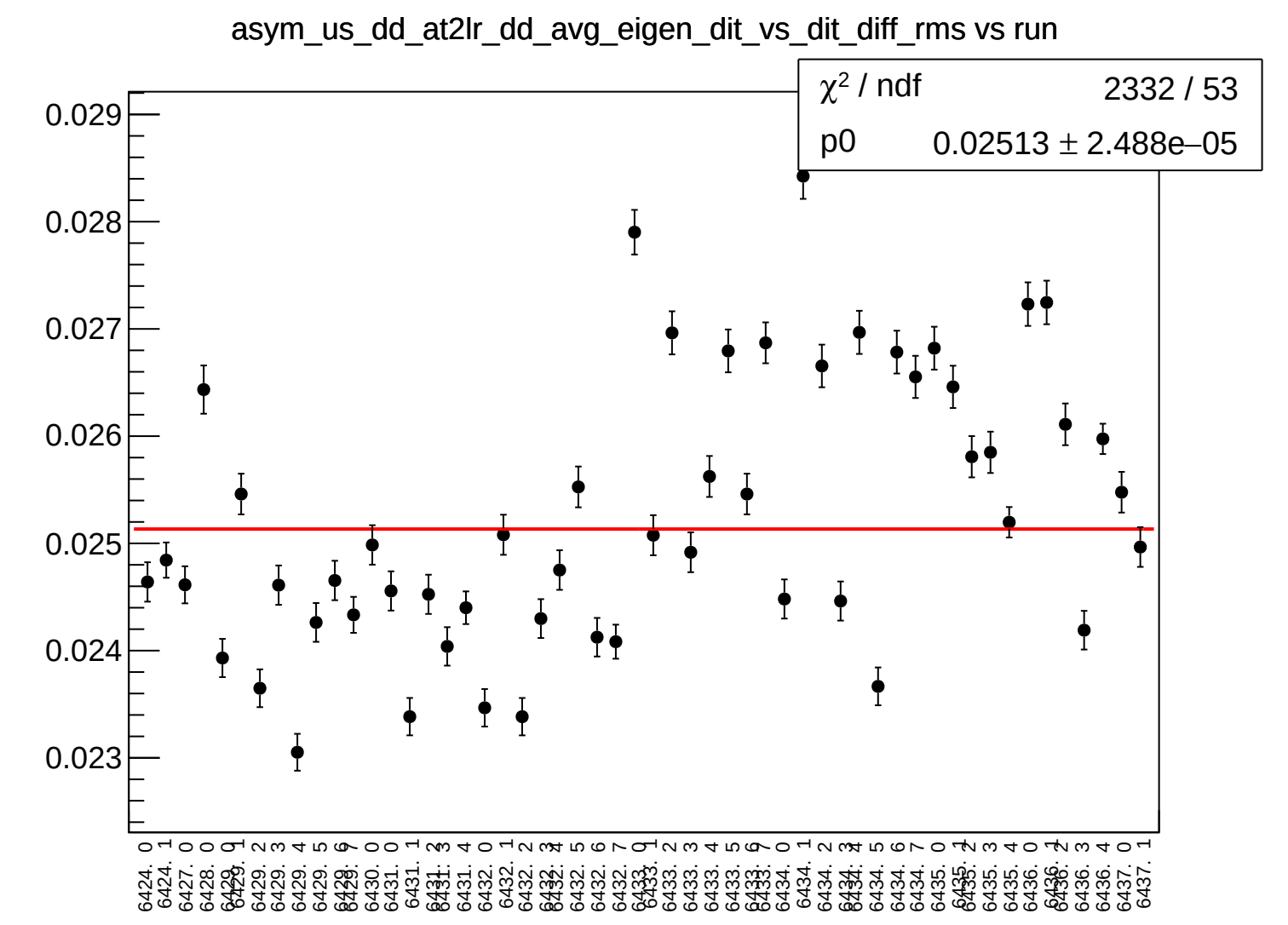

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.29 / 53
p0 0.07609 ± 0.06444
pull
Entries 54
Mean 915.3
Std Dev 0

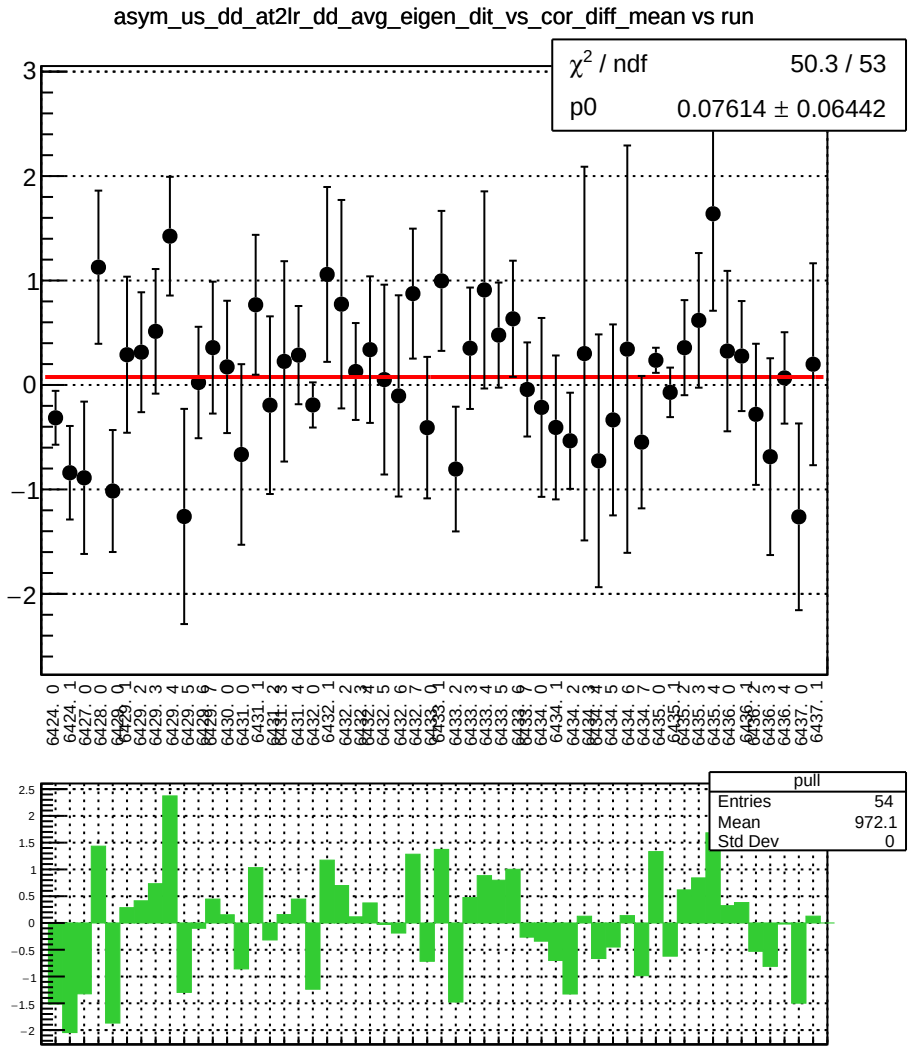

pull1D
Entries 54
Mean 0.001013
Std Dev 0.9651

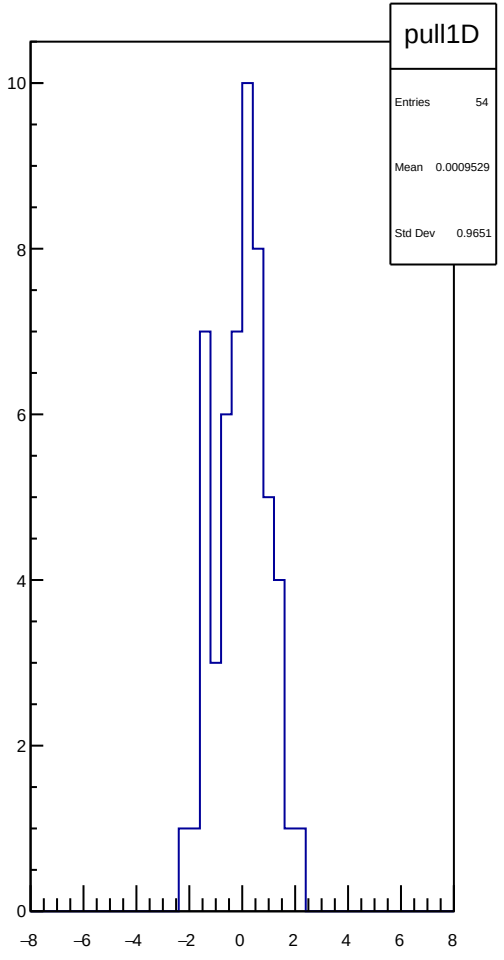

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.215e+05 / 53
p0 38.15 ± 0.04557
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

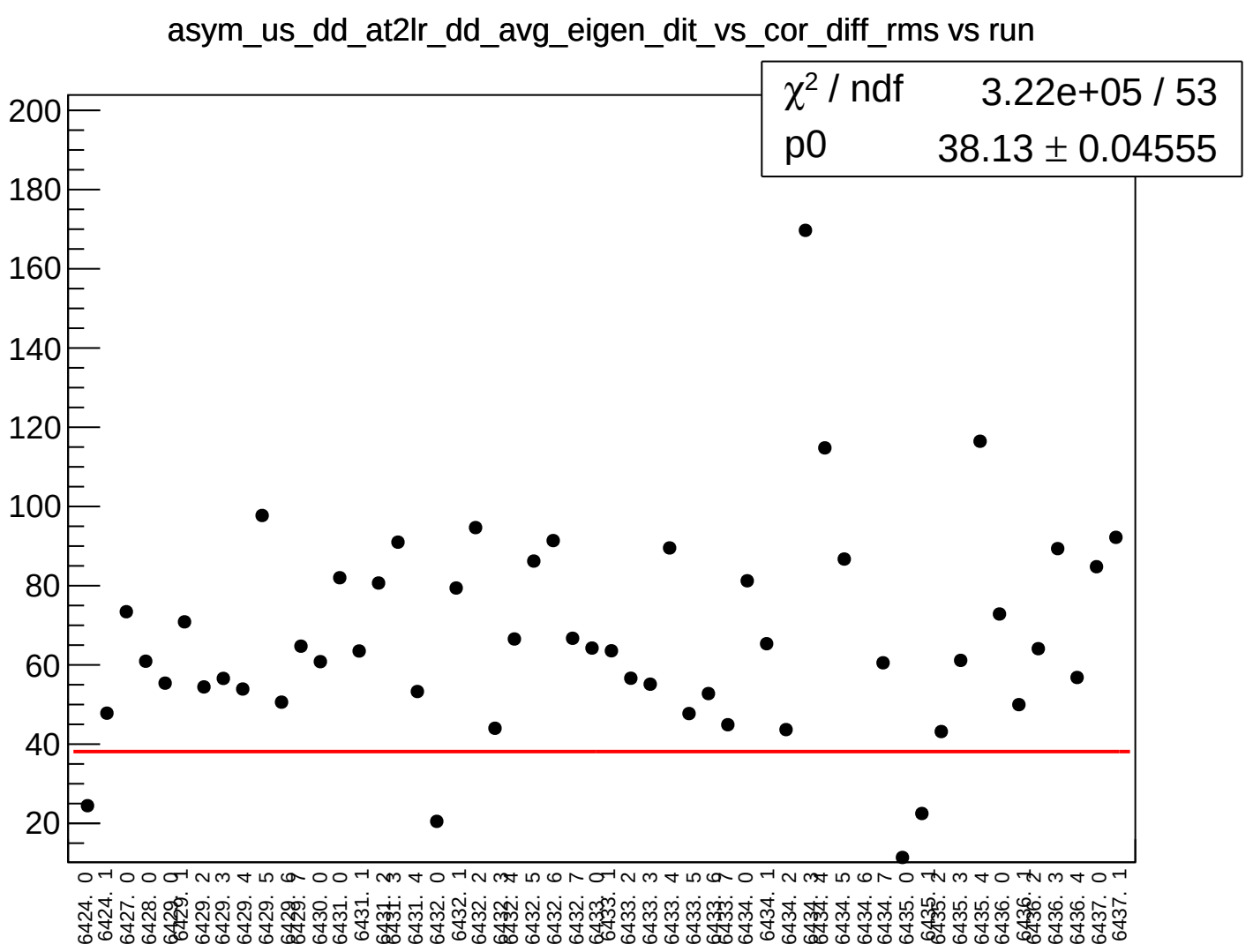

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 80.96 / 53
p0 2.933e−05 ± 3.519e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 23.88
Std Dev 0
3
2
1
0
−1
−2
−3

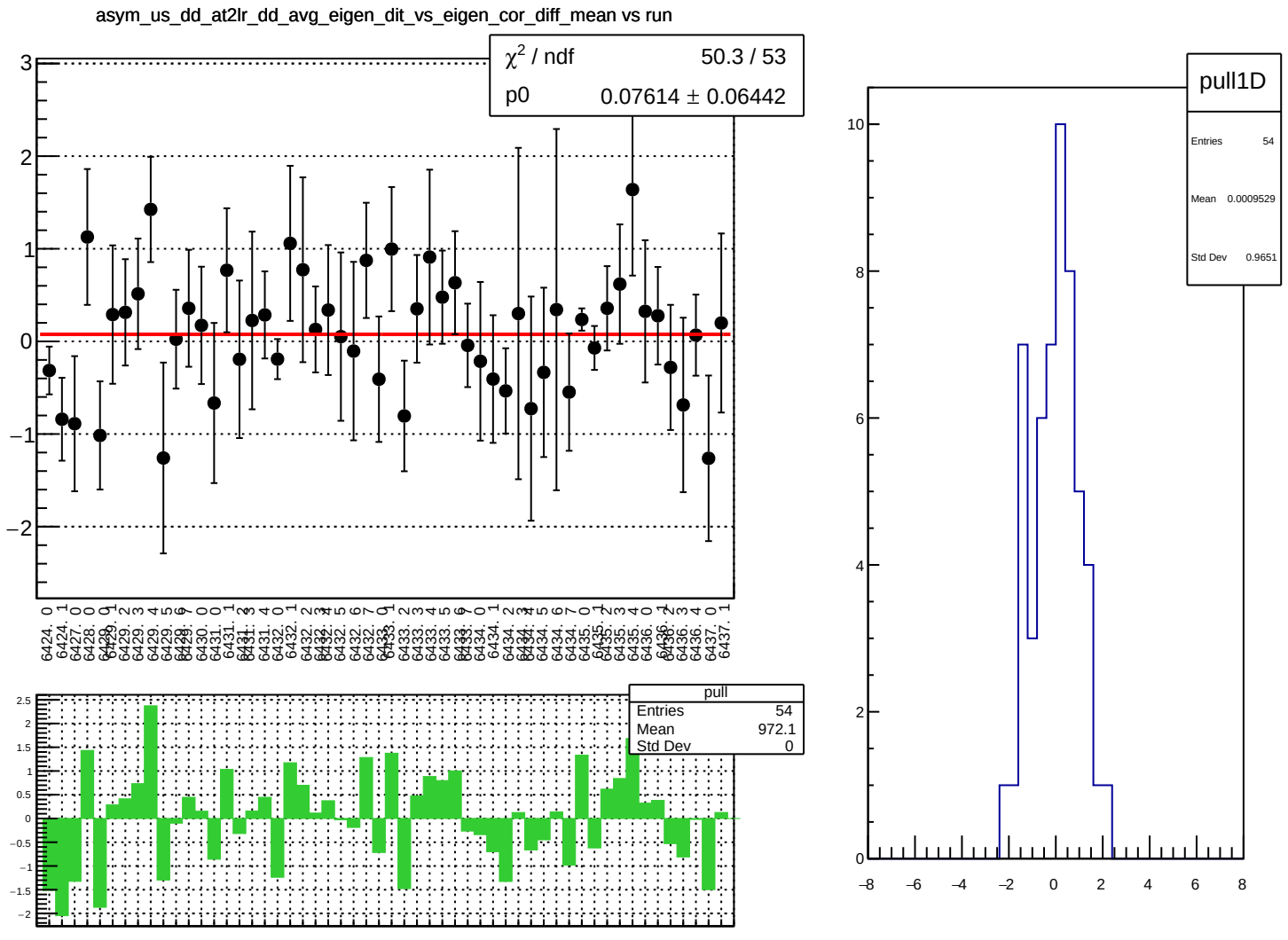

pull1D
Entries 54
Mean 0.01032
Std Dev 1.224
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

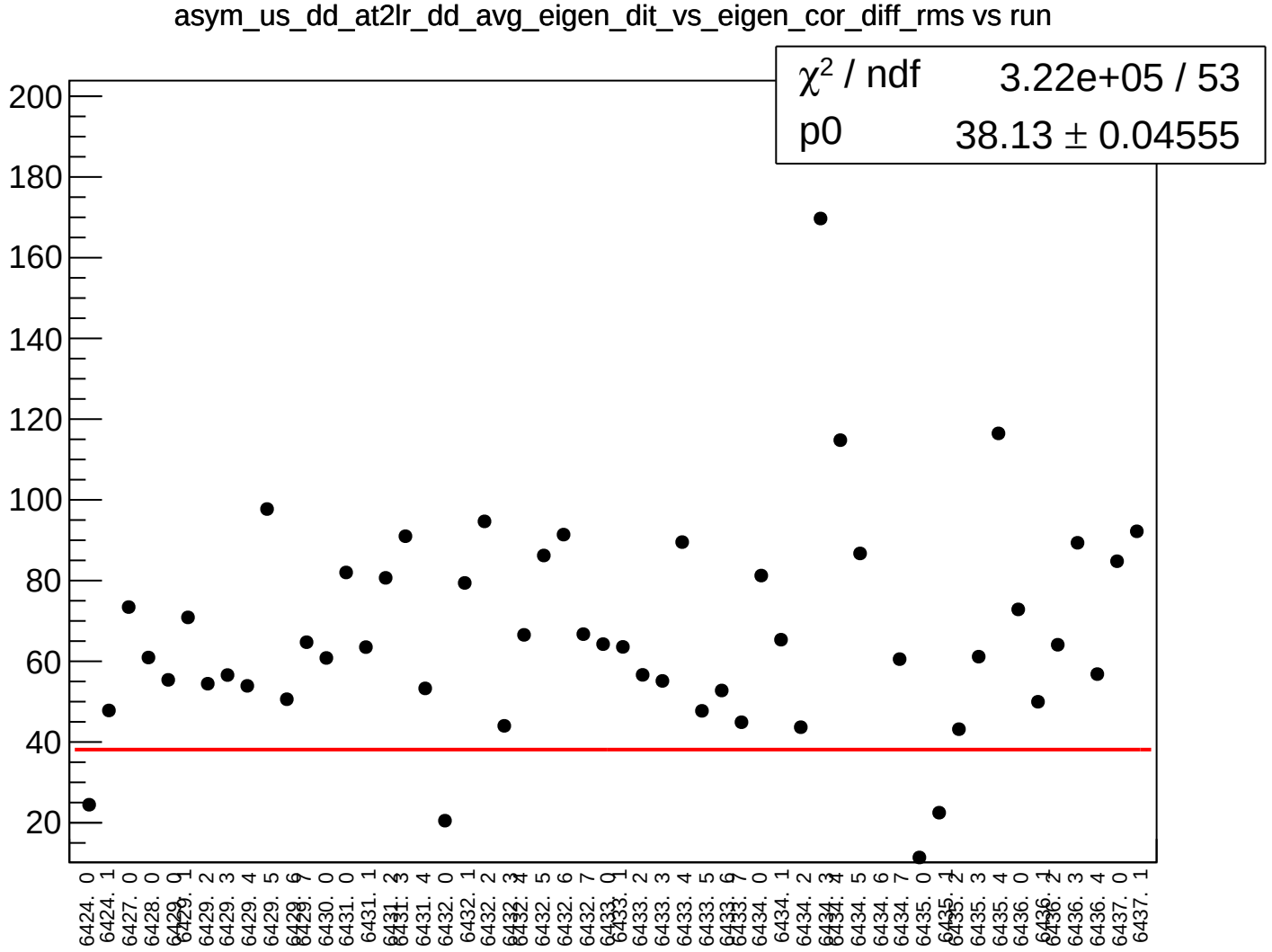

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2332 / 53
p0 0.02513 ± 2.488e−05
0.029
0.028
0.027
0.026
0.025
0.024
0.023
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

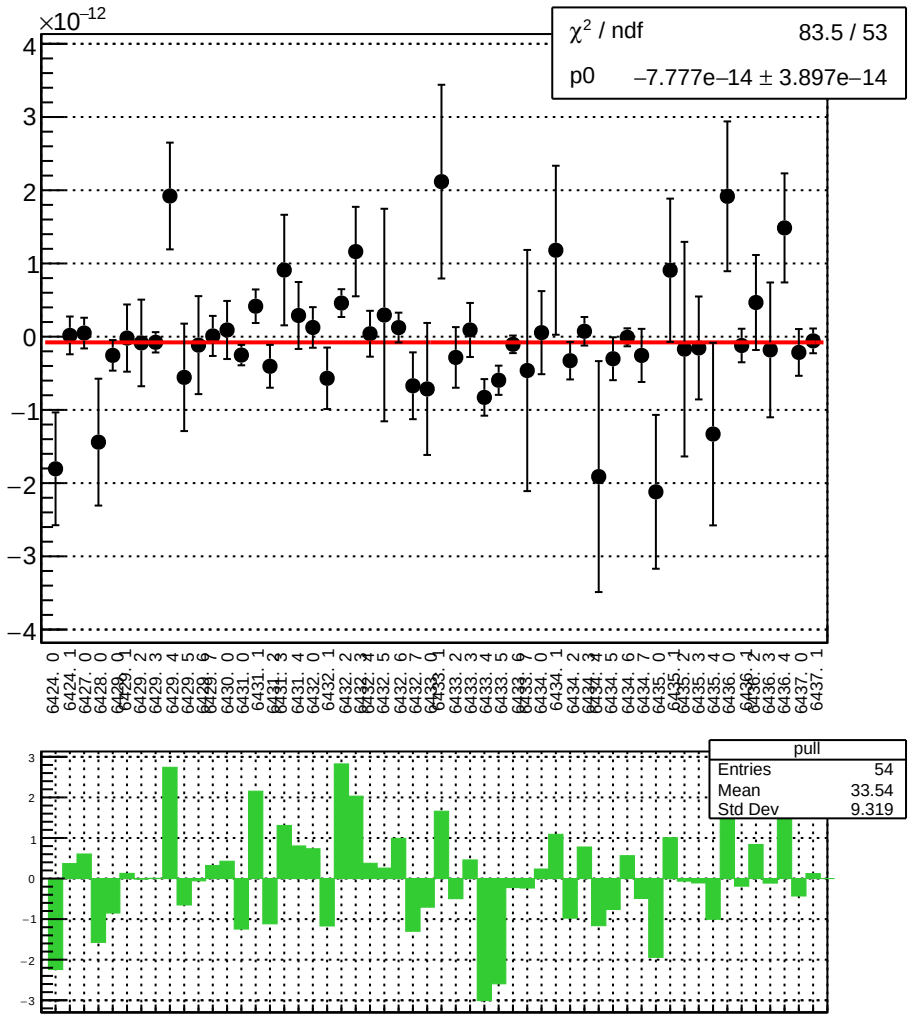

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.3 / 53
p0 0.07614 ± 0.06442
pull
Entries 54
Mean 972.1
Std Dev 0

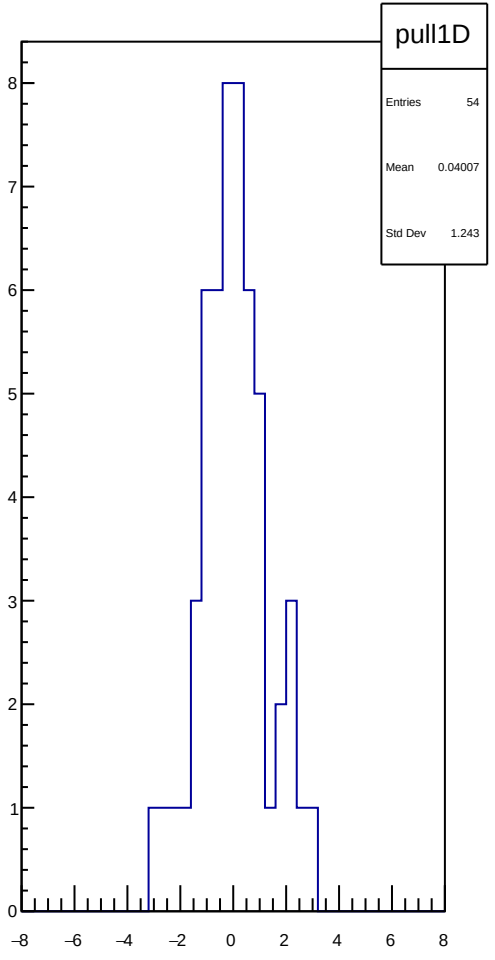

pull1D
Entries 54
Mean 0.0009529
Std Dev 0.9651

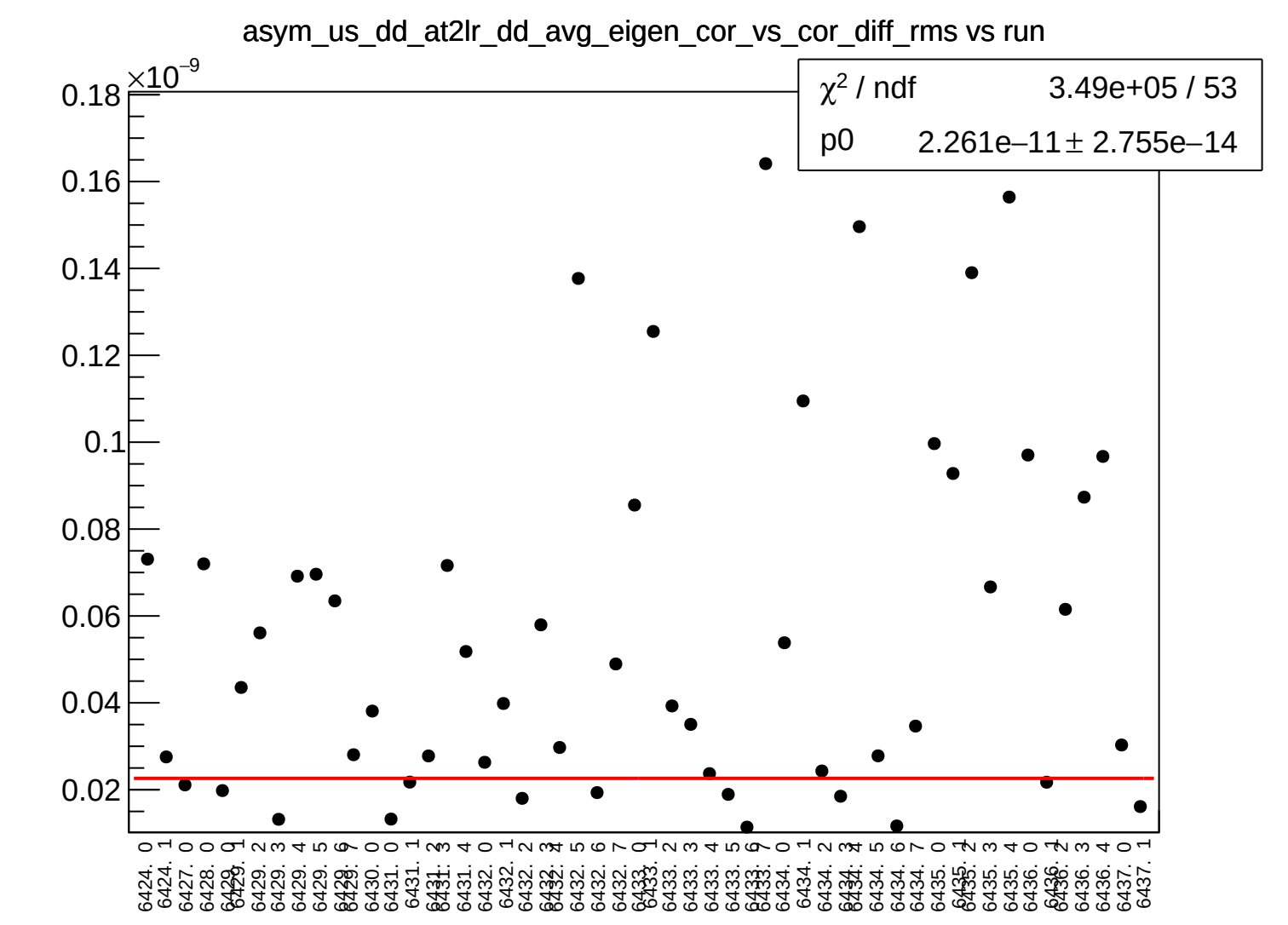

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.22e+05 / 53
p0 38.13 ± 0.04555
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

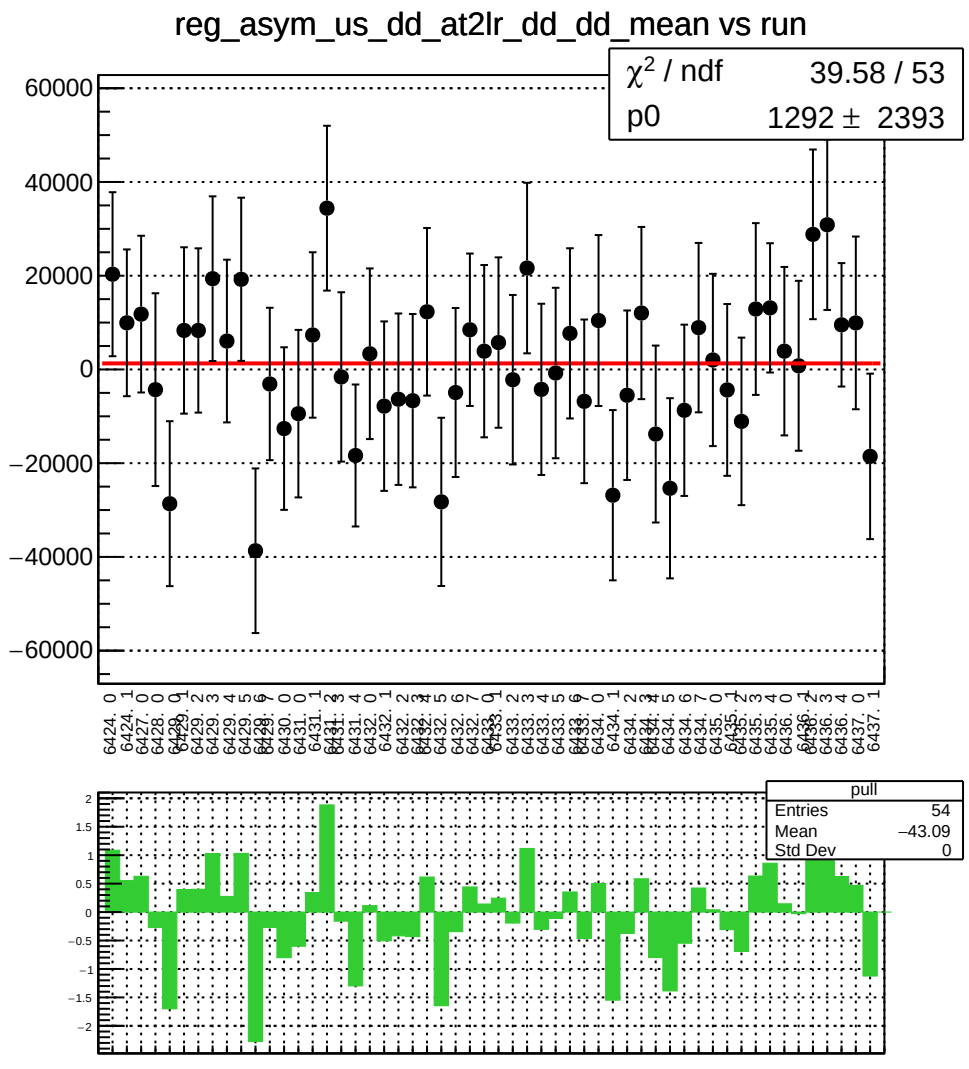

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.3 / 53
p0 0.07614 ± 0.06442
pull
Entries 54
Mean 972.1
Std Dev 0
pull1D
Entries 54
Mean 0.0009529
Std Dev 0.9651

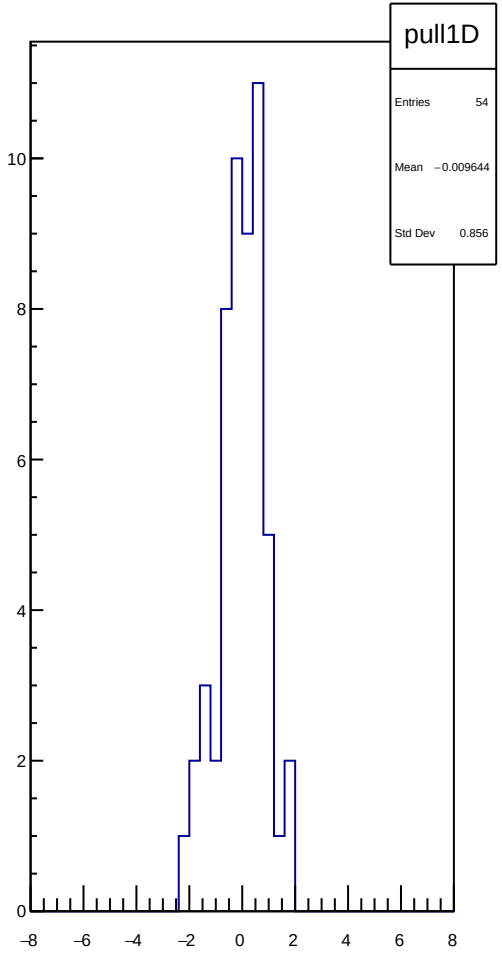

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.22e+05 / 53
p0 38.13 ± 0.04555
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

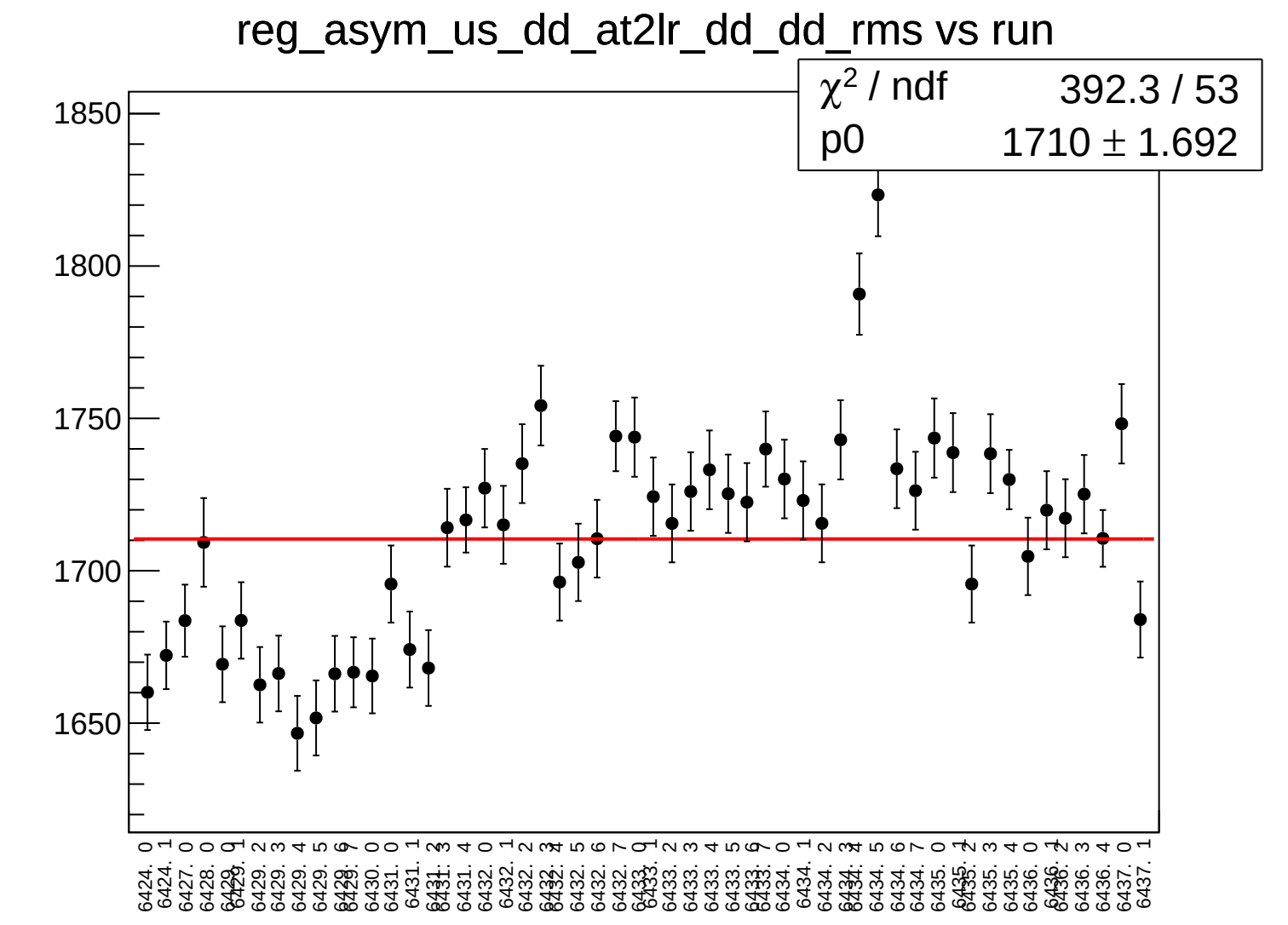

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.5 / 53
p0 −7.777e−14 ± 3.897e−14
pull
Entries 54
Mean 33.54
Std Dev 9.319

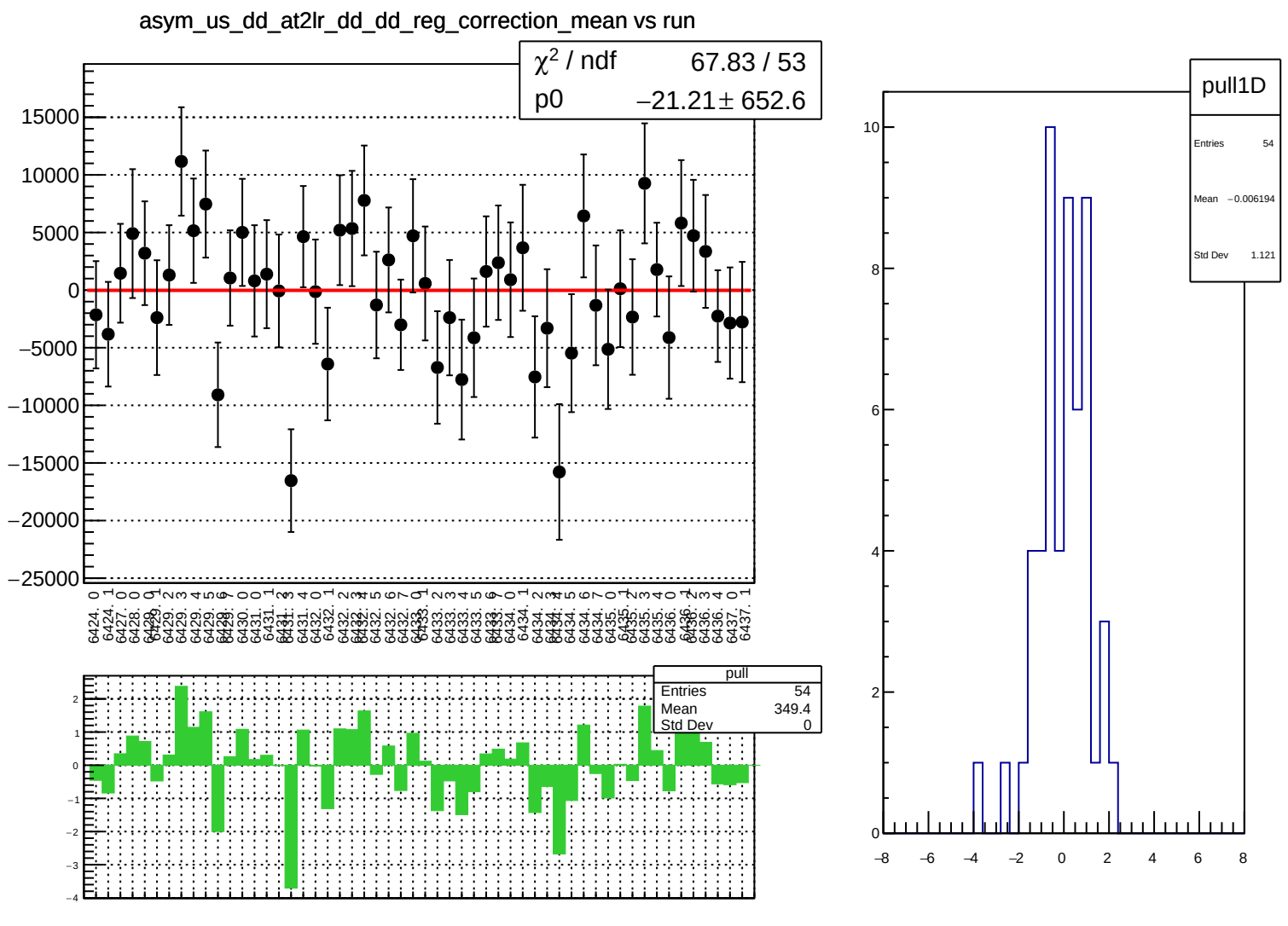

pull1D
Entries 54
Mean 0.04007
Std Dev 1.243

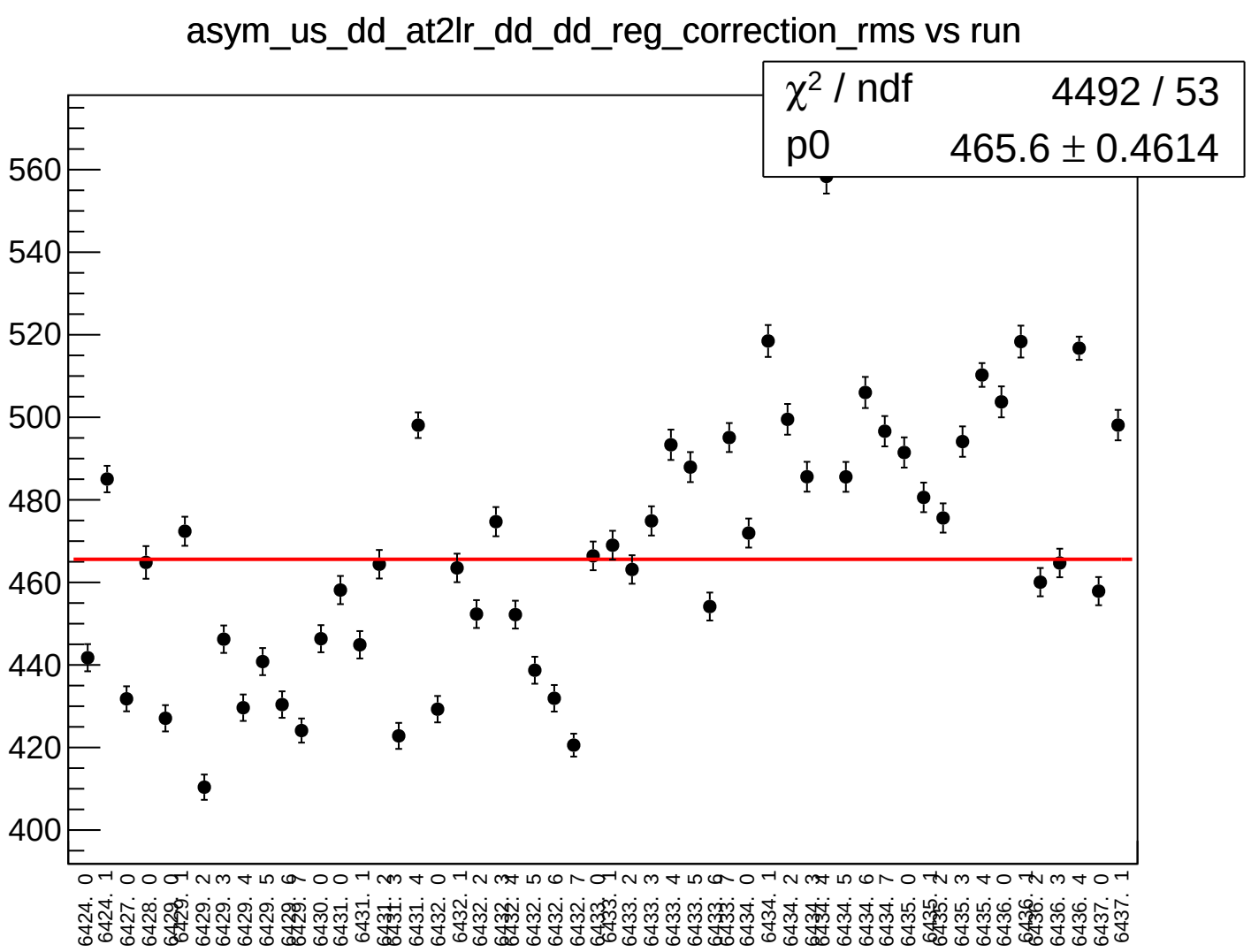

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.49e+05 / 53
p0 2.261e−11 ± 2.755e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

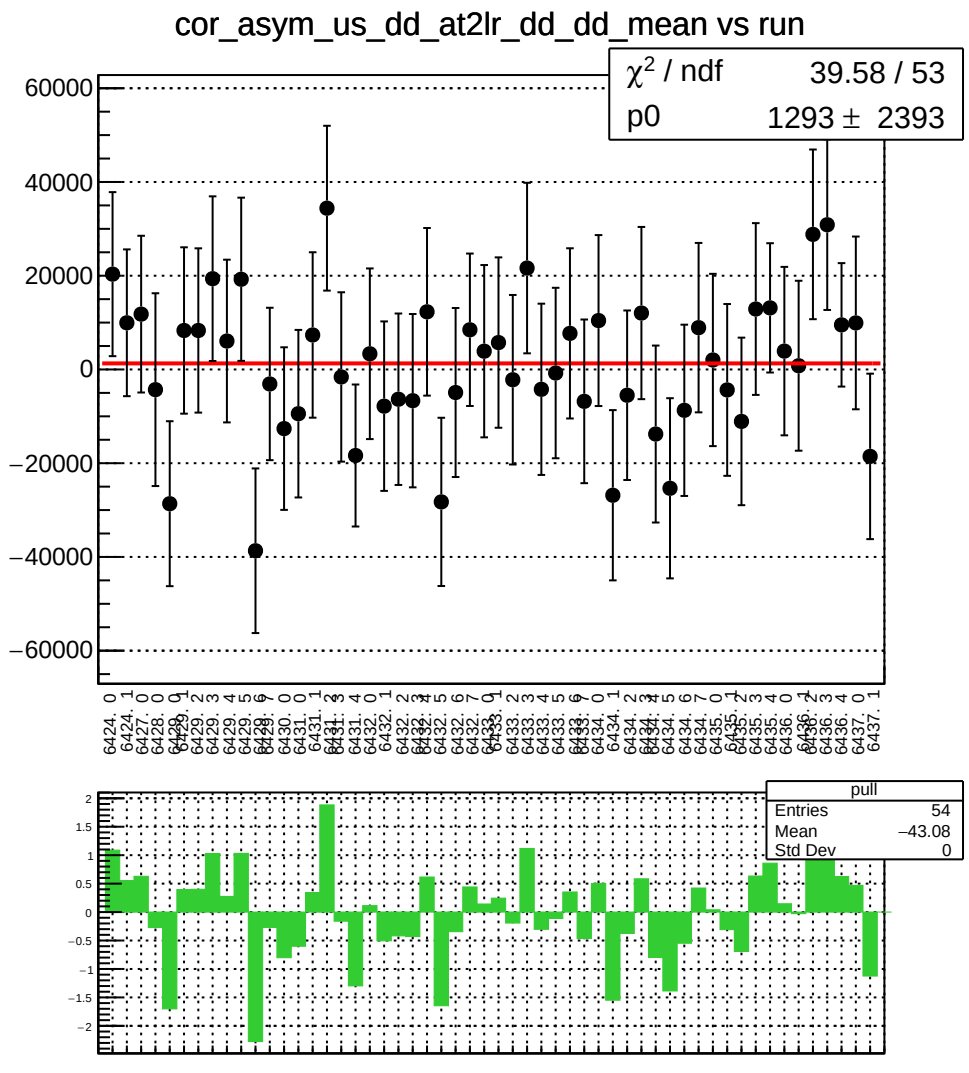

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.58 / 53
p0 1292 ± 2393
pull
Entries 54
Mean −43.09
Std Dev 0

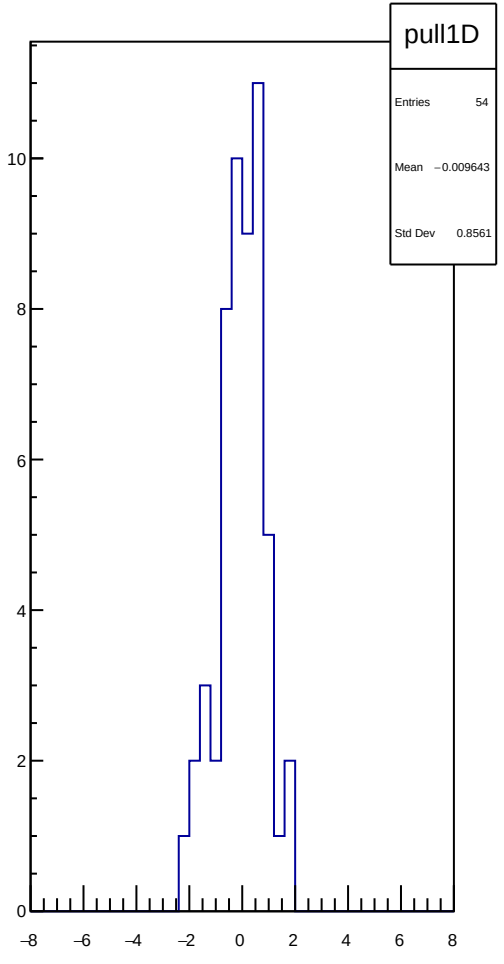

pull1D
Entries 54
Mean −0.009644
Std Dev 0.856

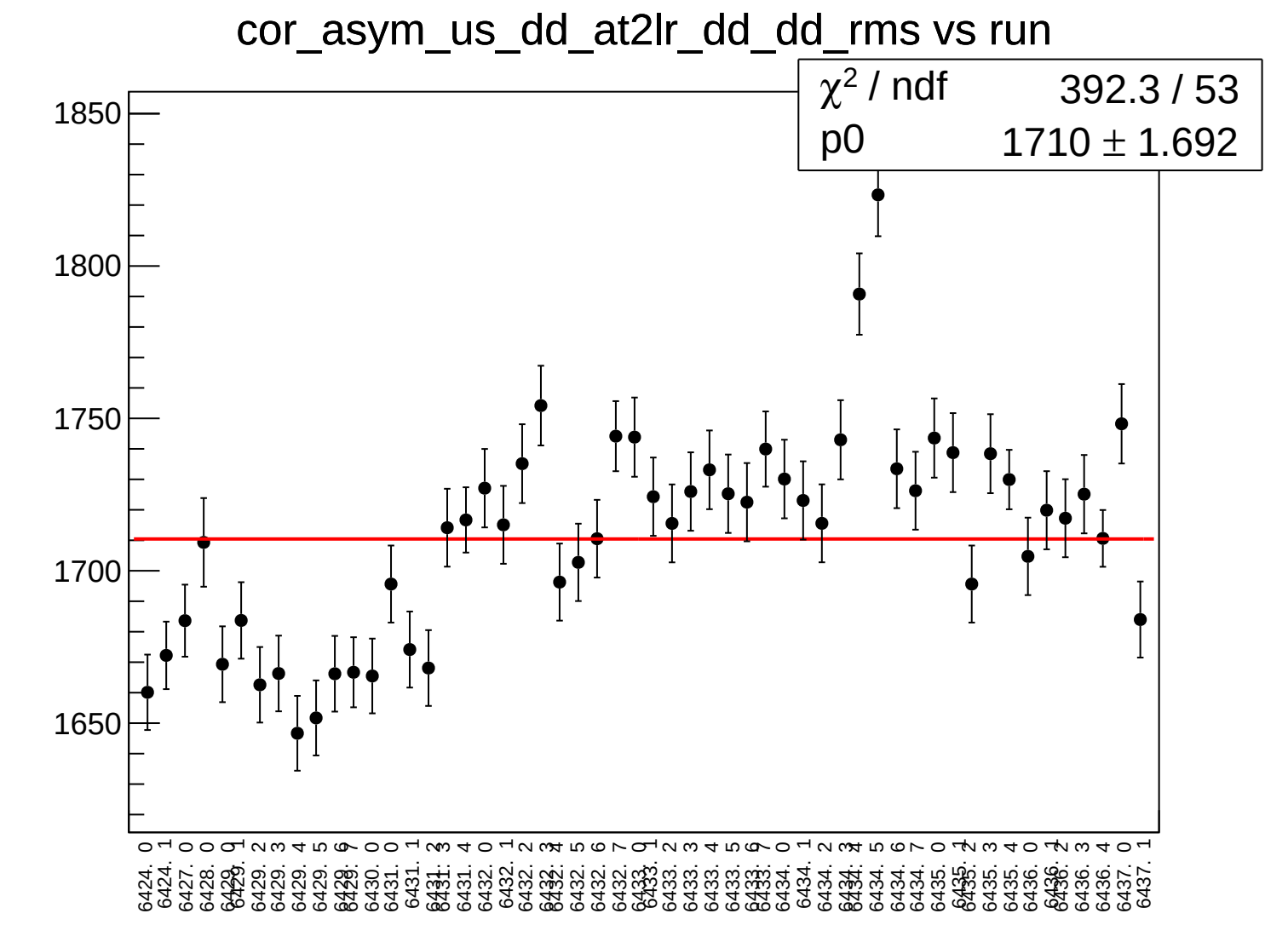

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1710 ± 1.692
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

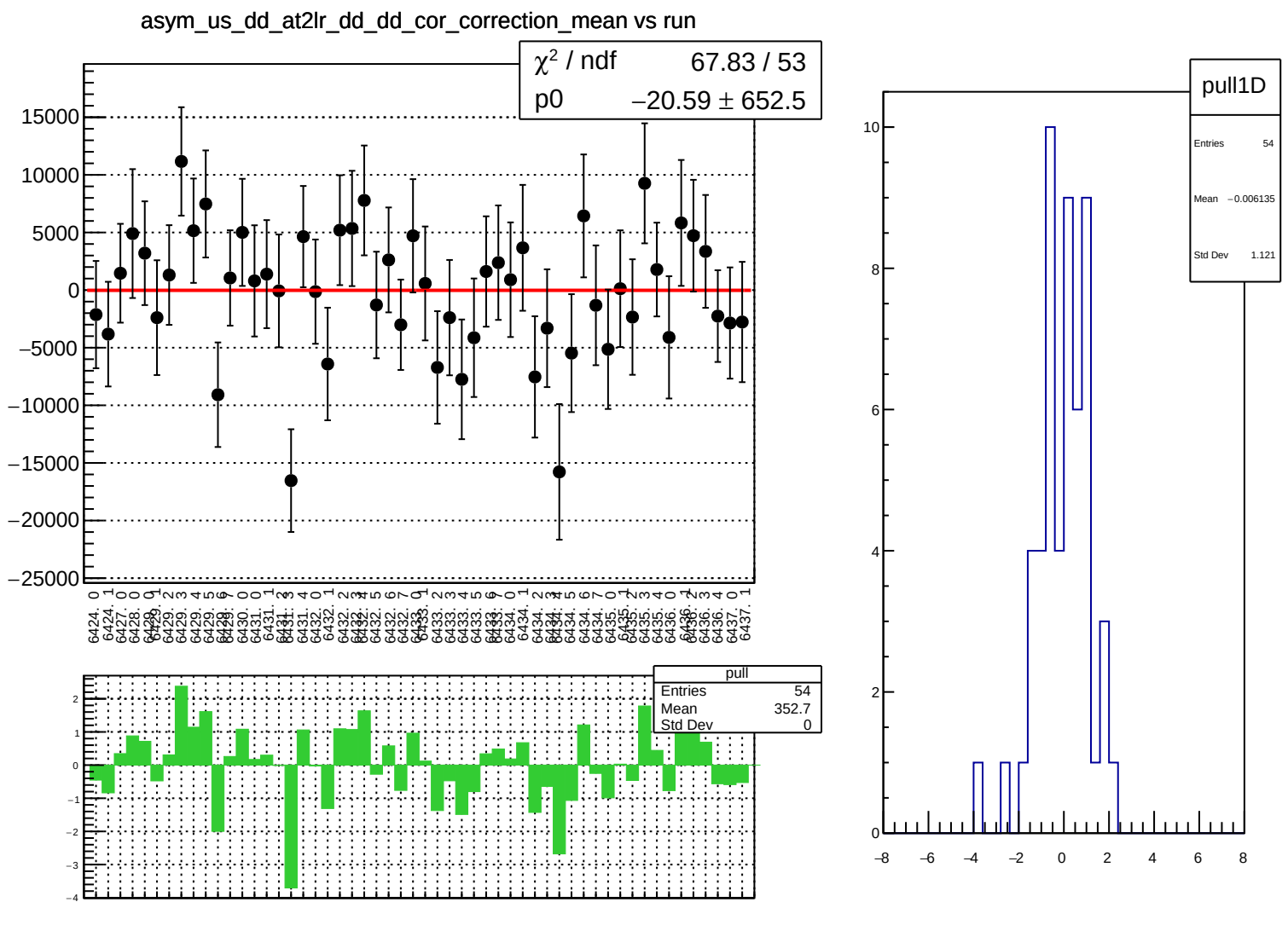

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 67.83 / 53
p0 −21.21 ± 652.6
pull
Entries 54
Mean 349.4
Std Dev 0
pull1D
Entries 54
Mean −0.006194
Std Dev 1.121

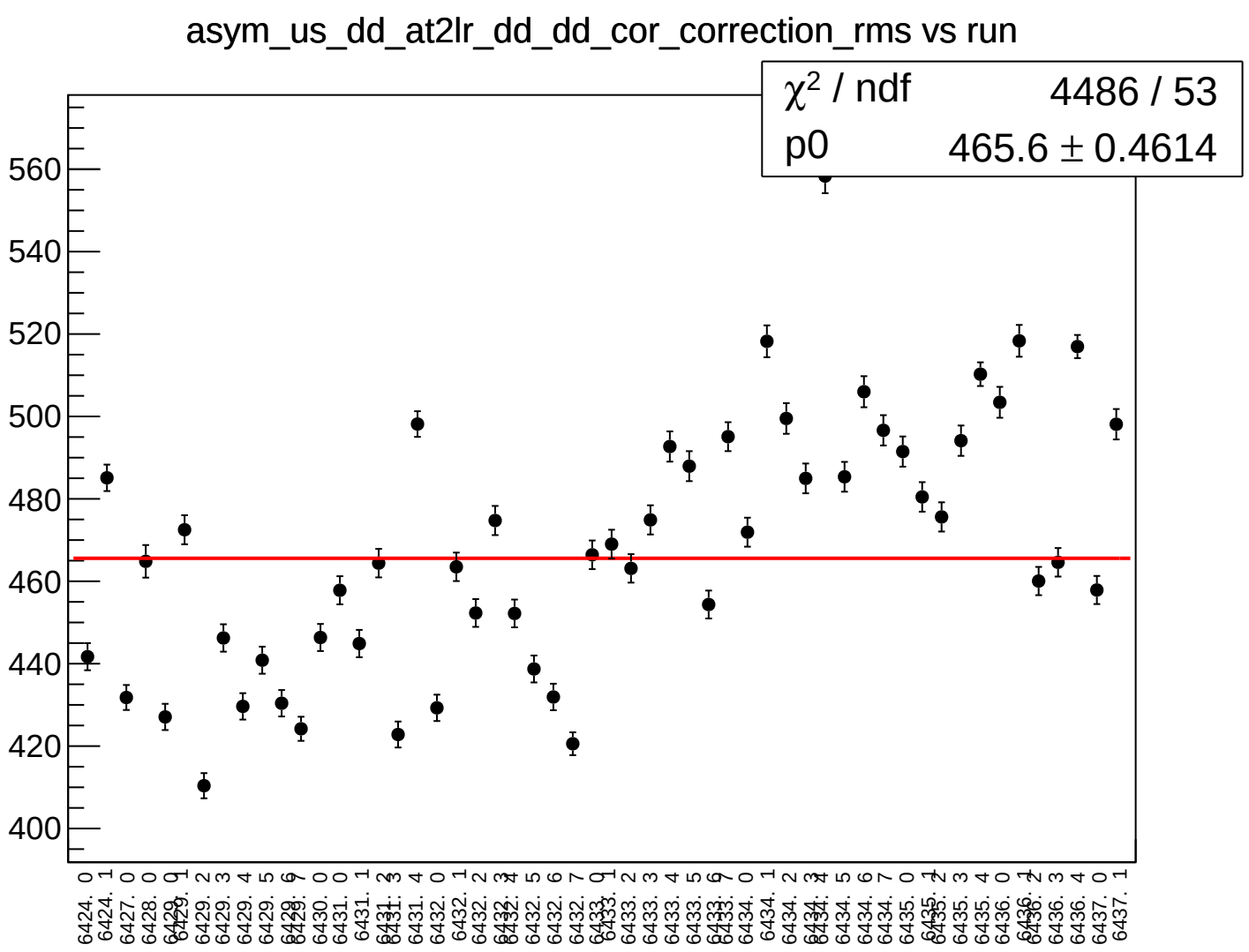

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4492 / 53
p0 465.6 ± 0.4614
560
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

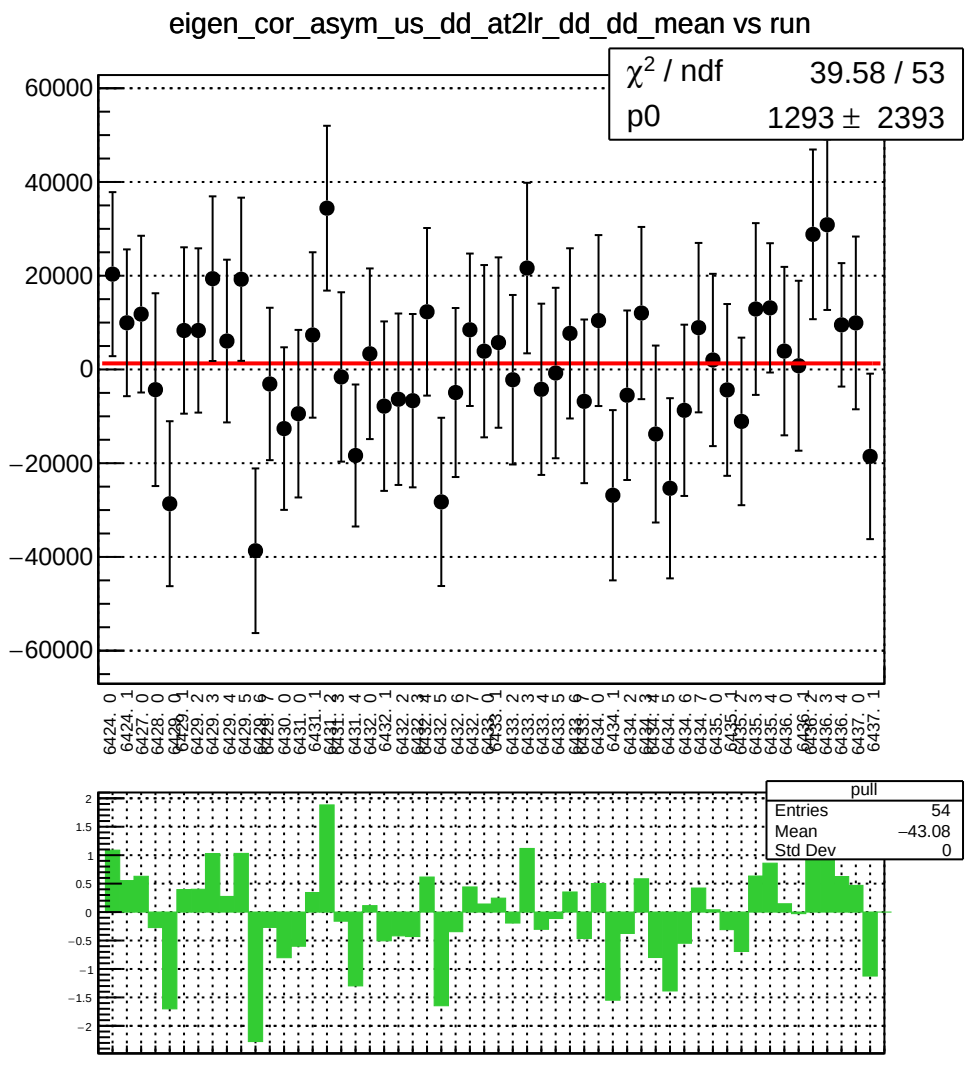

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.58 / 53
p0 1293 ± 2393
pull
Entries 54
Mean −43.08
Std Dev 0

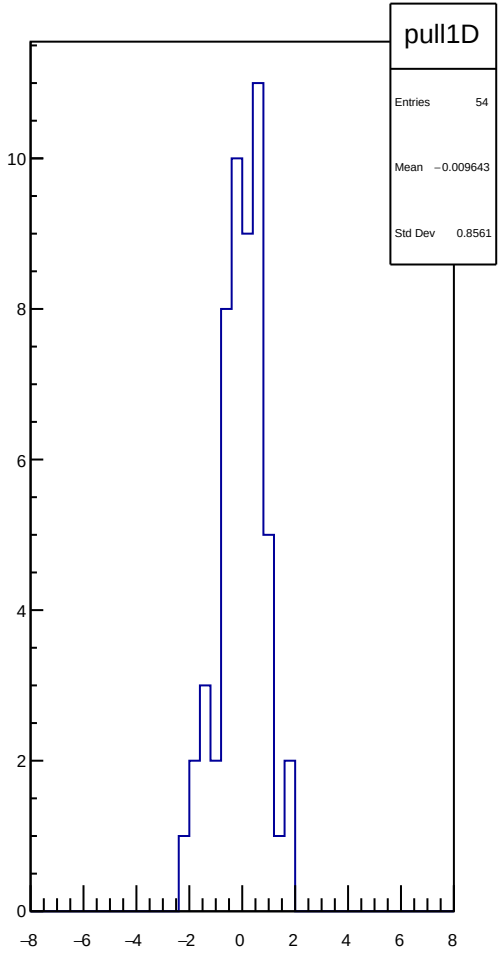

pull1D
Entries 54
Mean −0.009643
Std Dev 0.8561

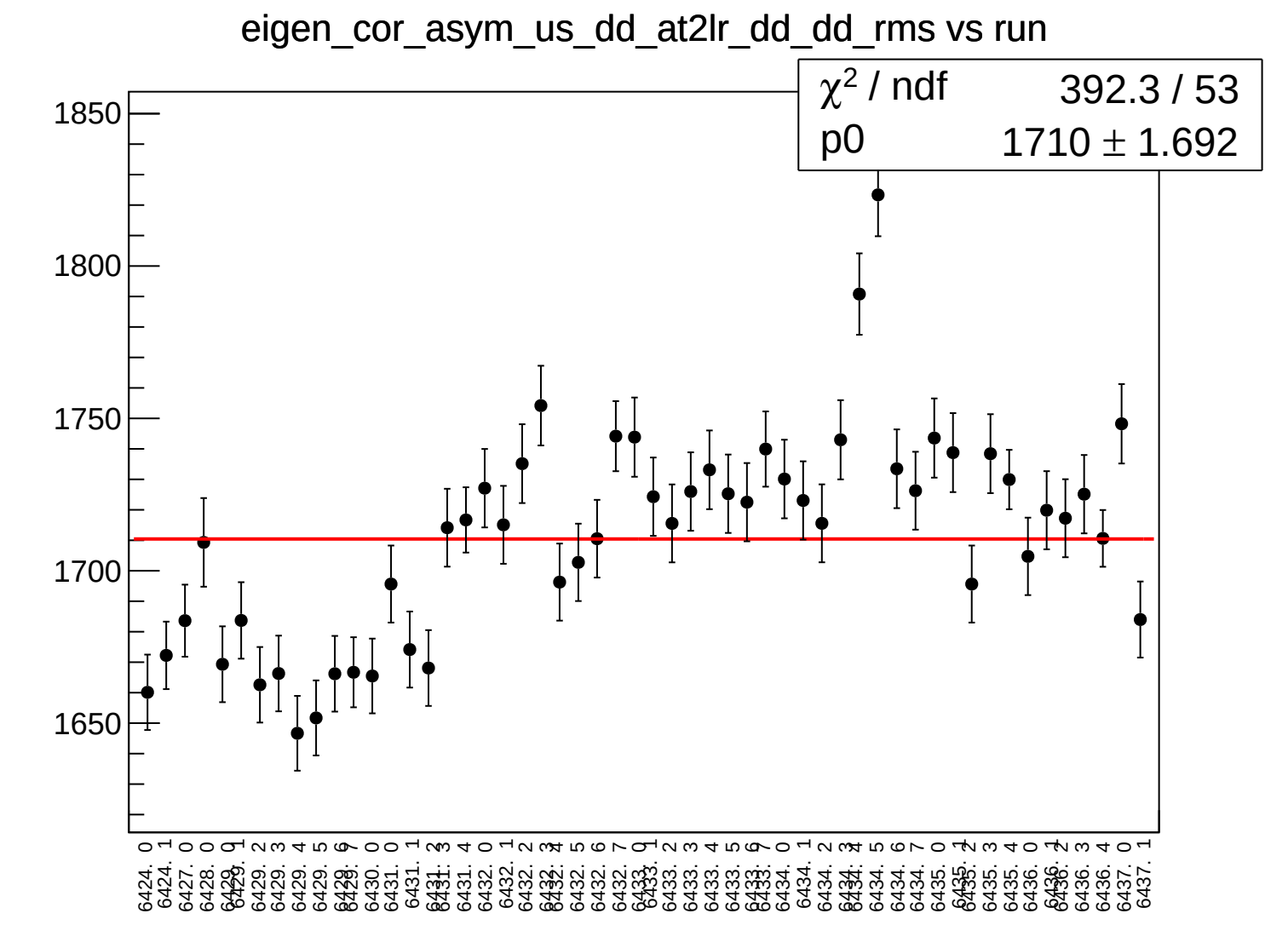

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1710 ± 1.692
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

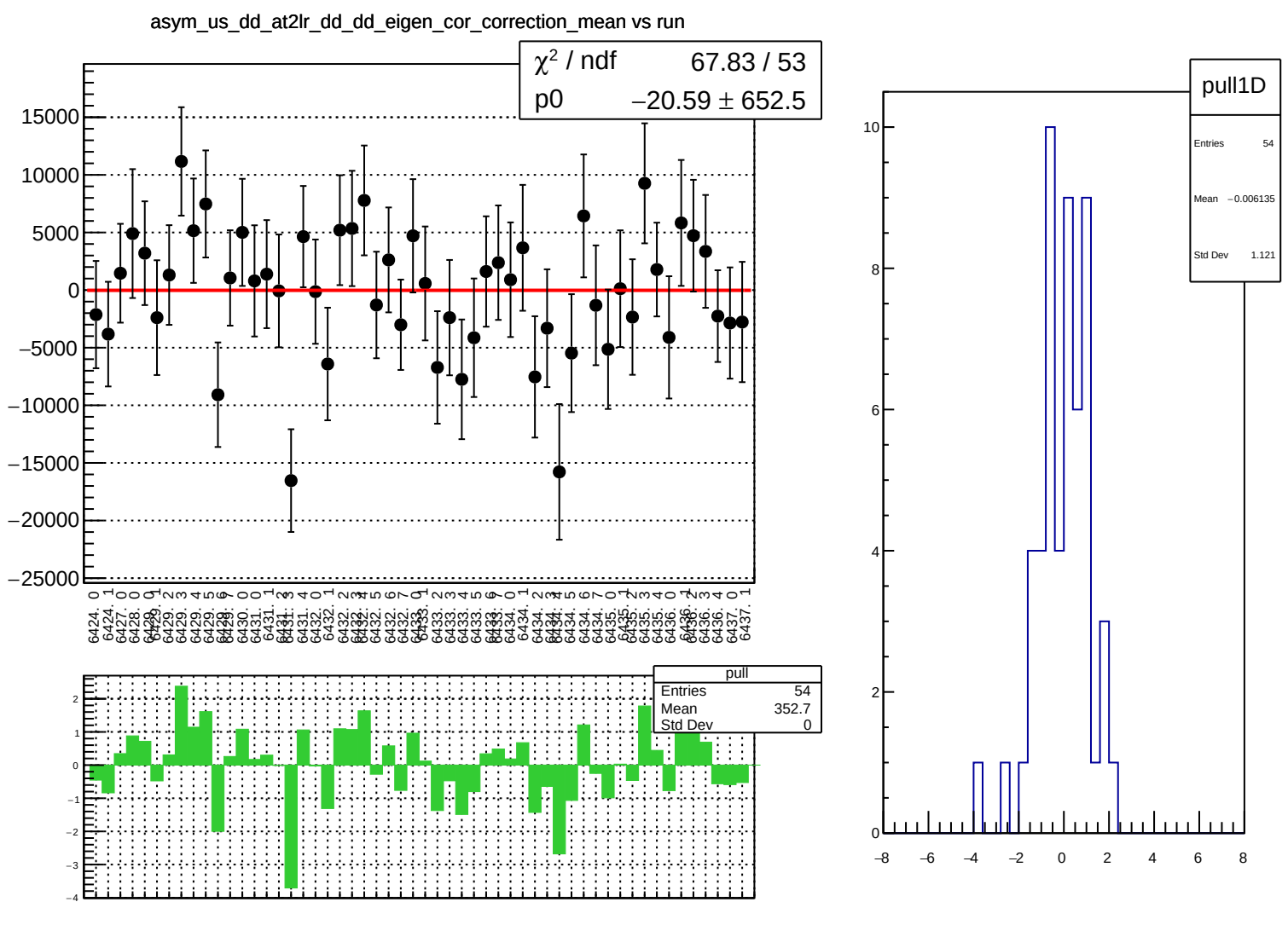

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 67.83 / 53
p0 −20.59 ± 652.5
pull
Entries 54
Mean 352.7
Std Dev 0
pull1D
Entries 54
Mean −0.006135
Std Dev 1.121

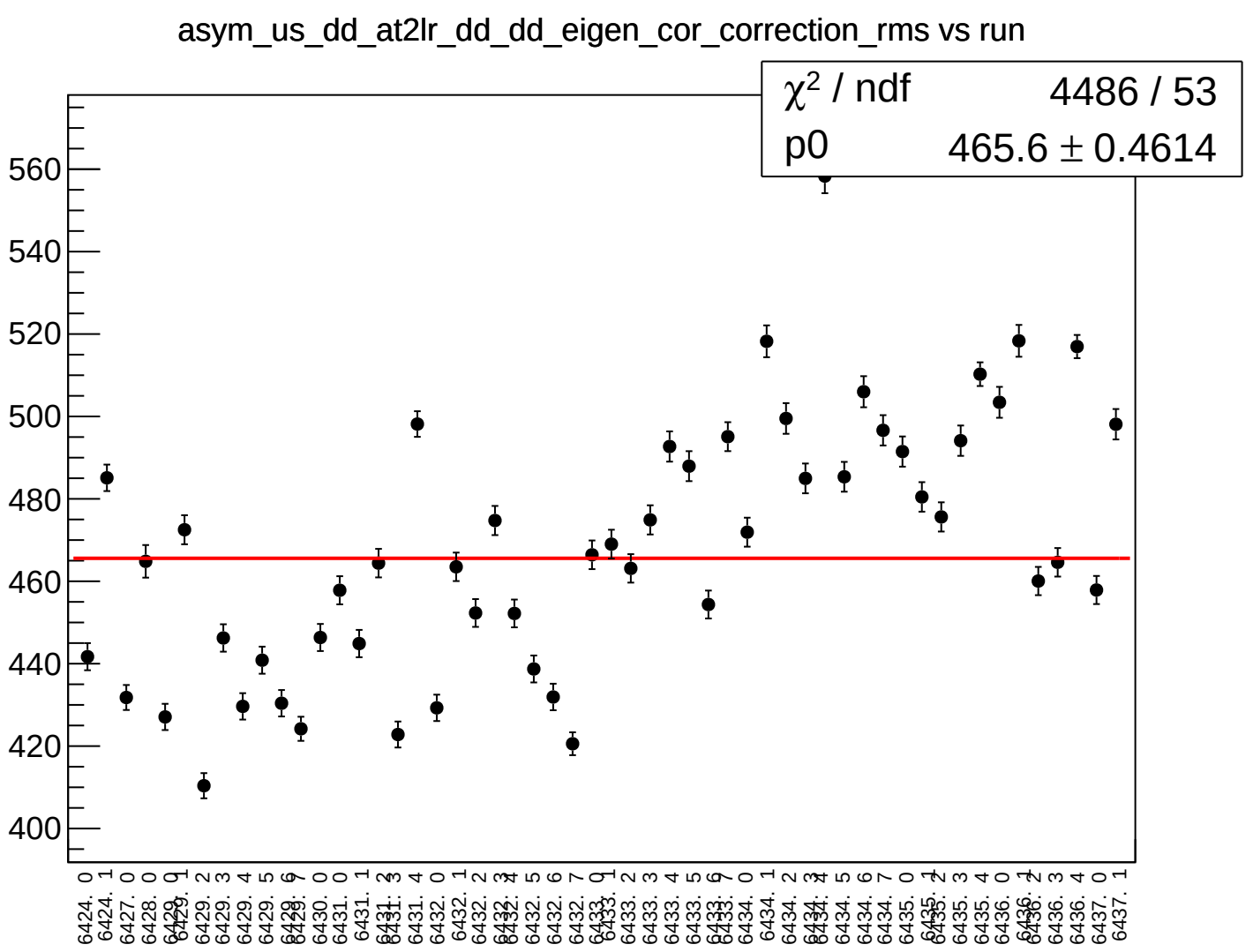

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4486 / 53
p0 465.6 ± 0.4614
560
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

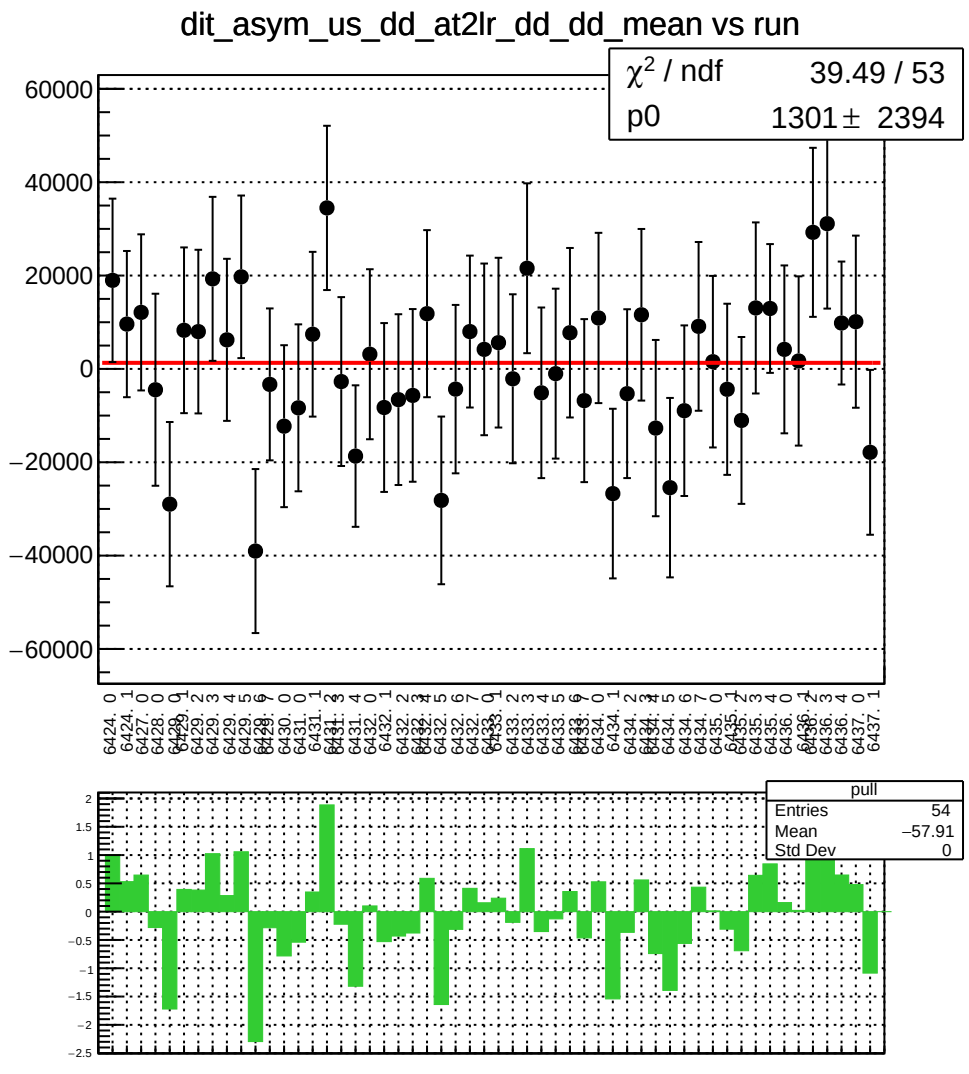

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.58 / 53
p0 1293 ± 2393
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −43.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

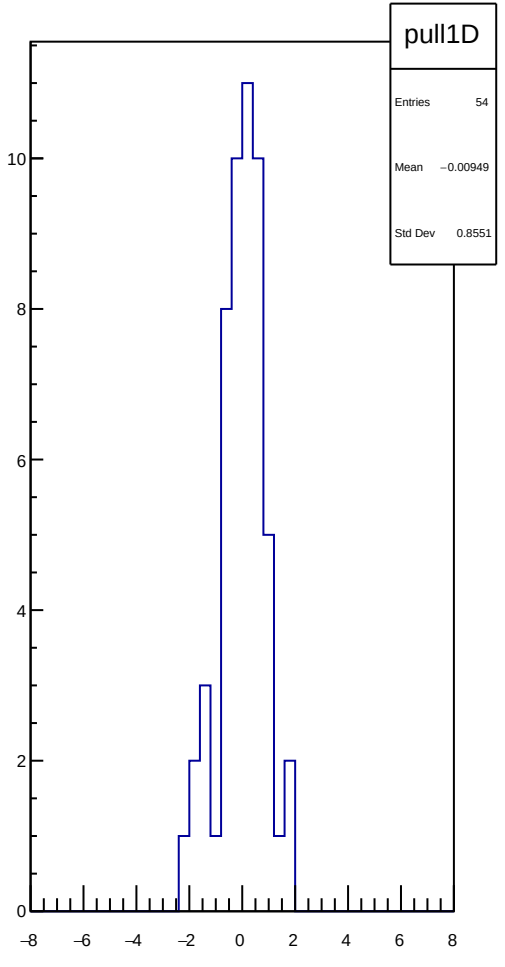

pull1D
Entries 54
Mean −0.009643
Std Dev 0.8561
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

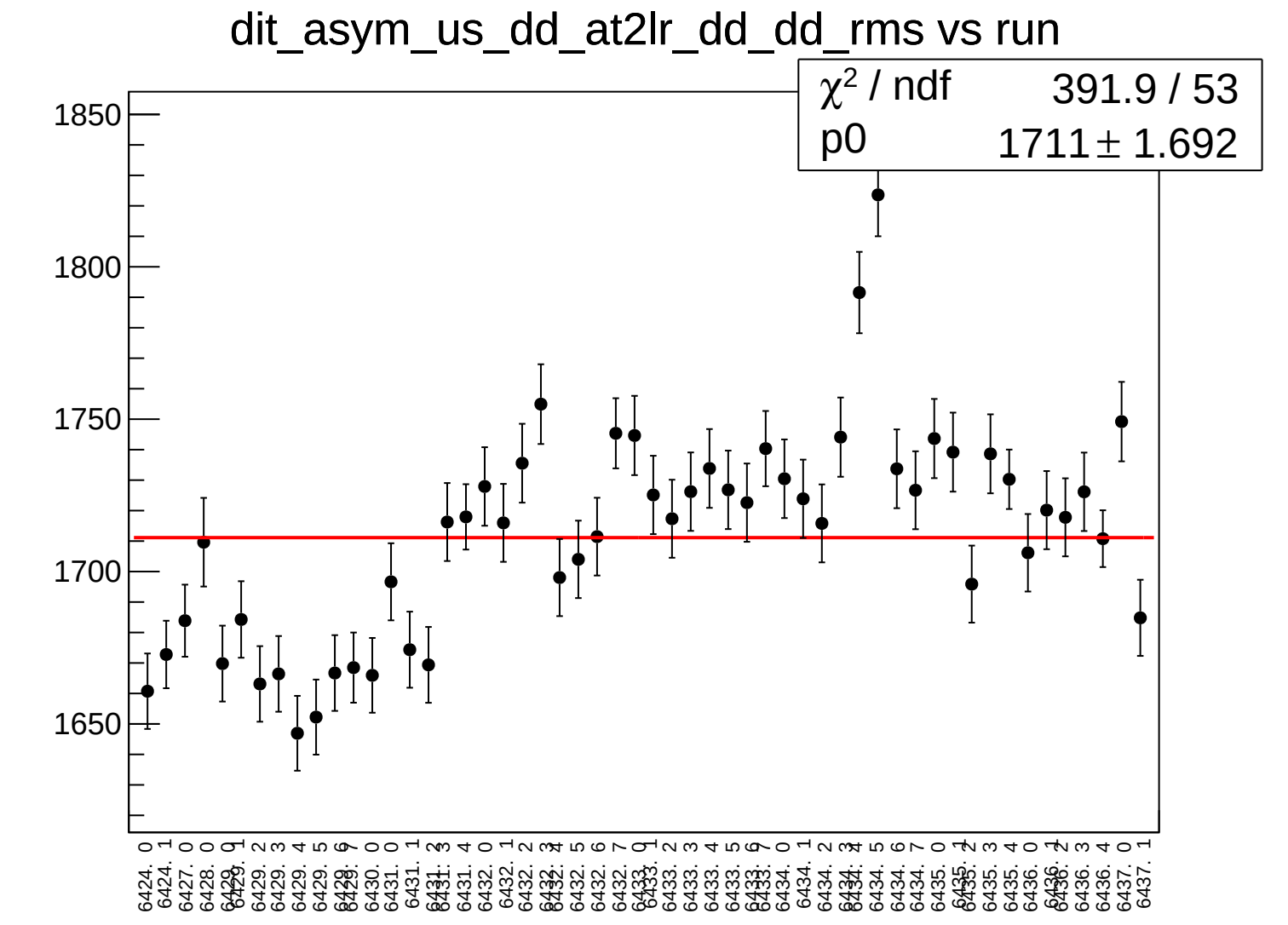

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 392.3 / 53
p0 1710 ± 1.692
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

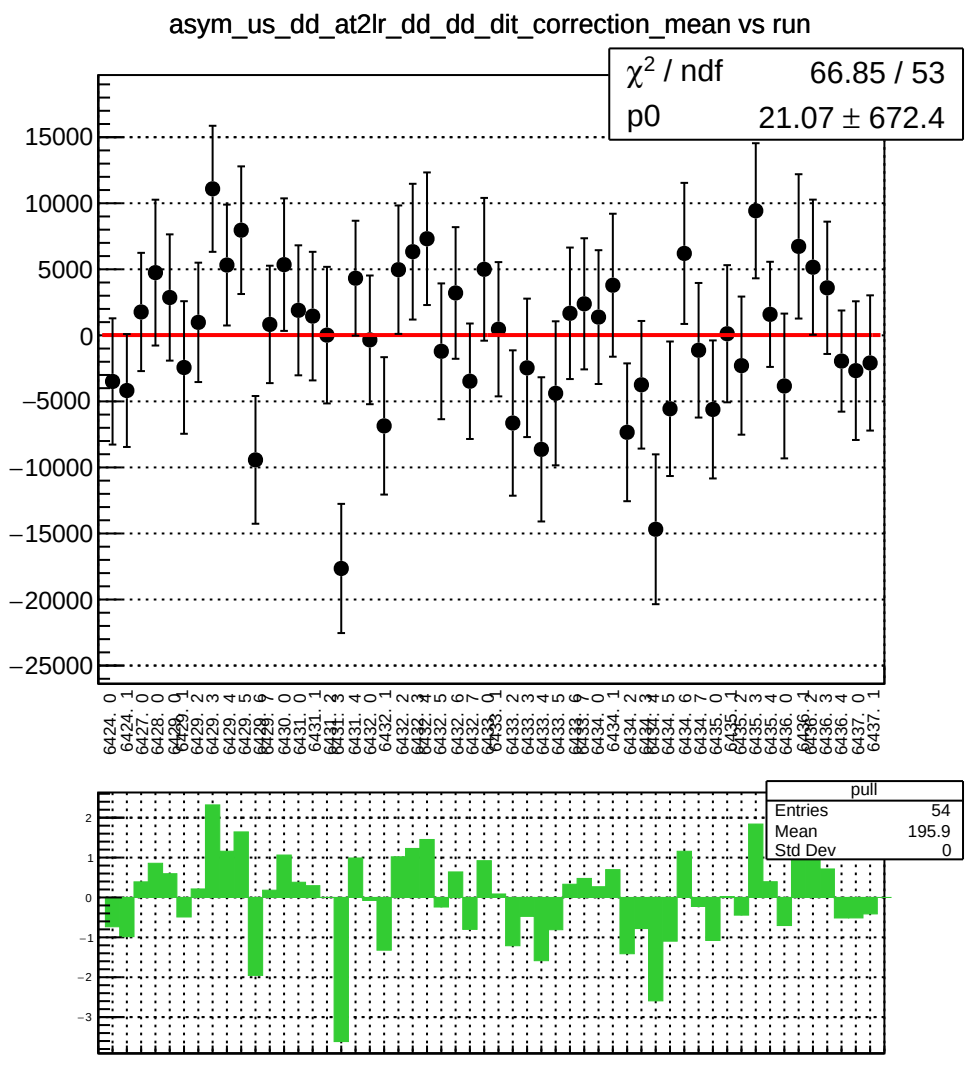

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.83 / 53
p0 −20.59 ± 652.5
pull
Entries 54
Mean 352.7
Std Dev 0
pull1D
Entries 54
Mean −0.006135
Std Dev 1.121

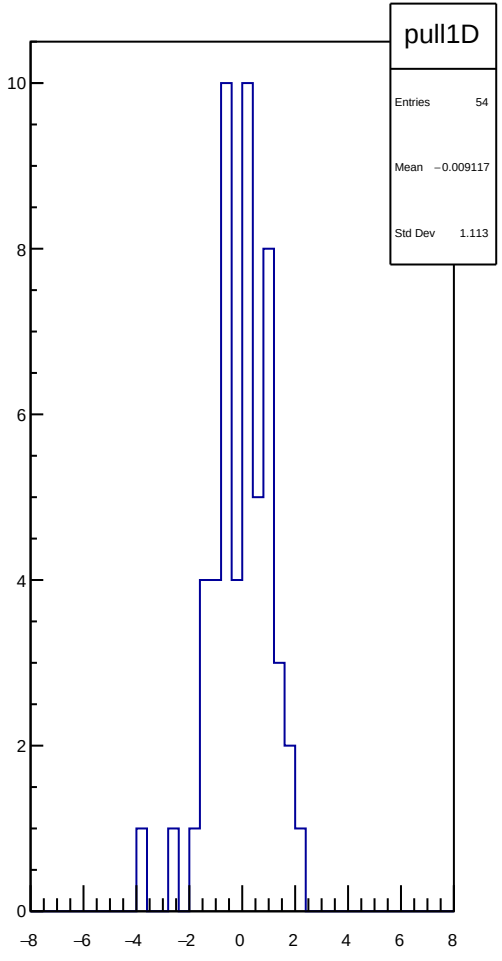

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4486 / 53
p0 465.6 ± 0.4614
560
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

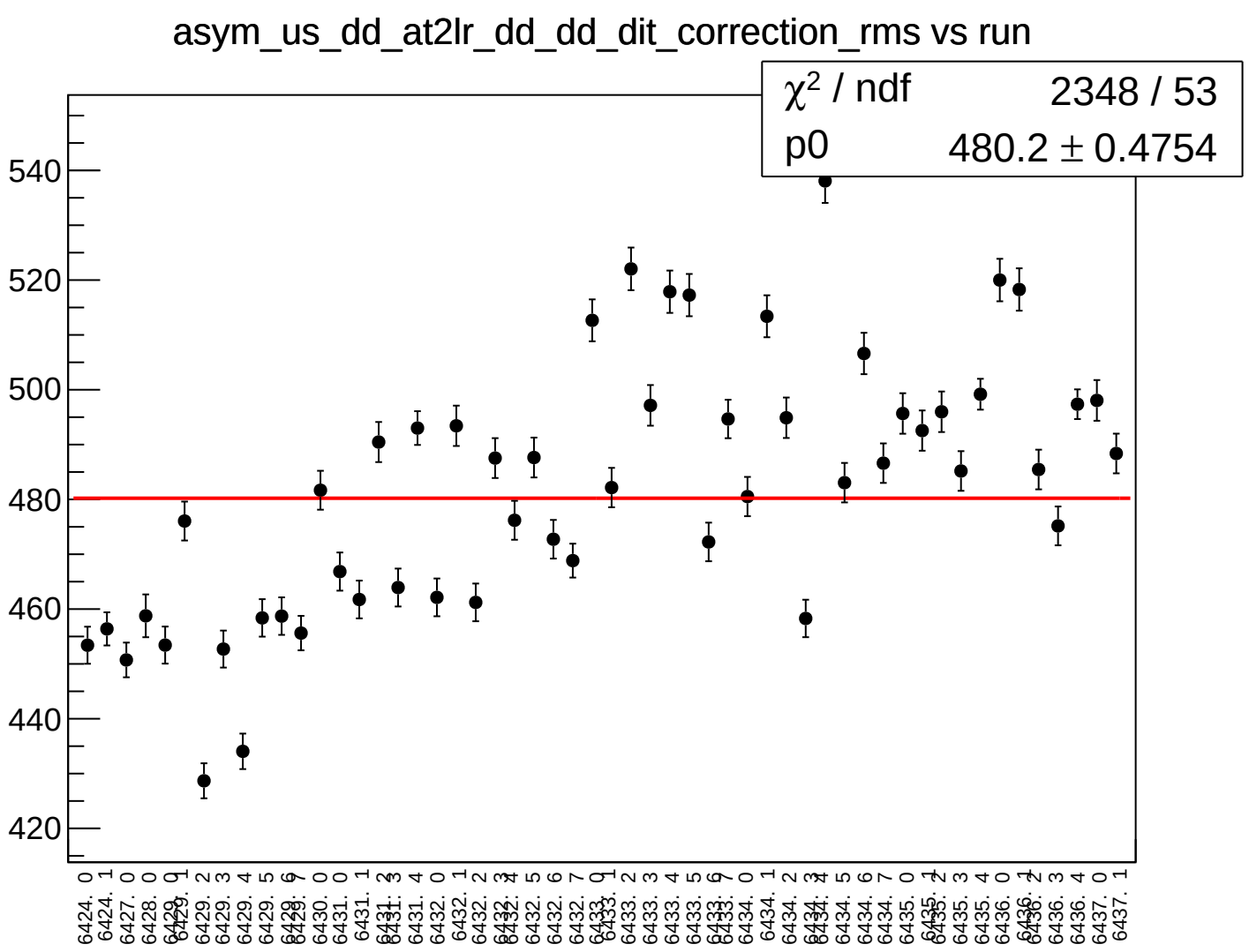

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.49 / 53
p0 1301 ± 2394
pull
Entries 54
Mean −57.91
Std Dev 0

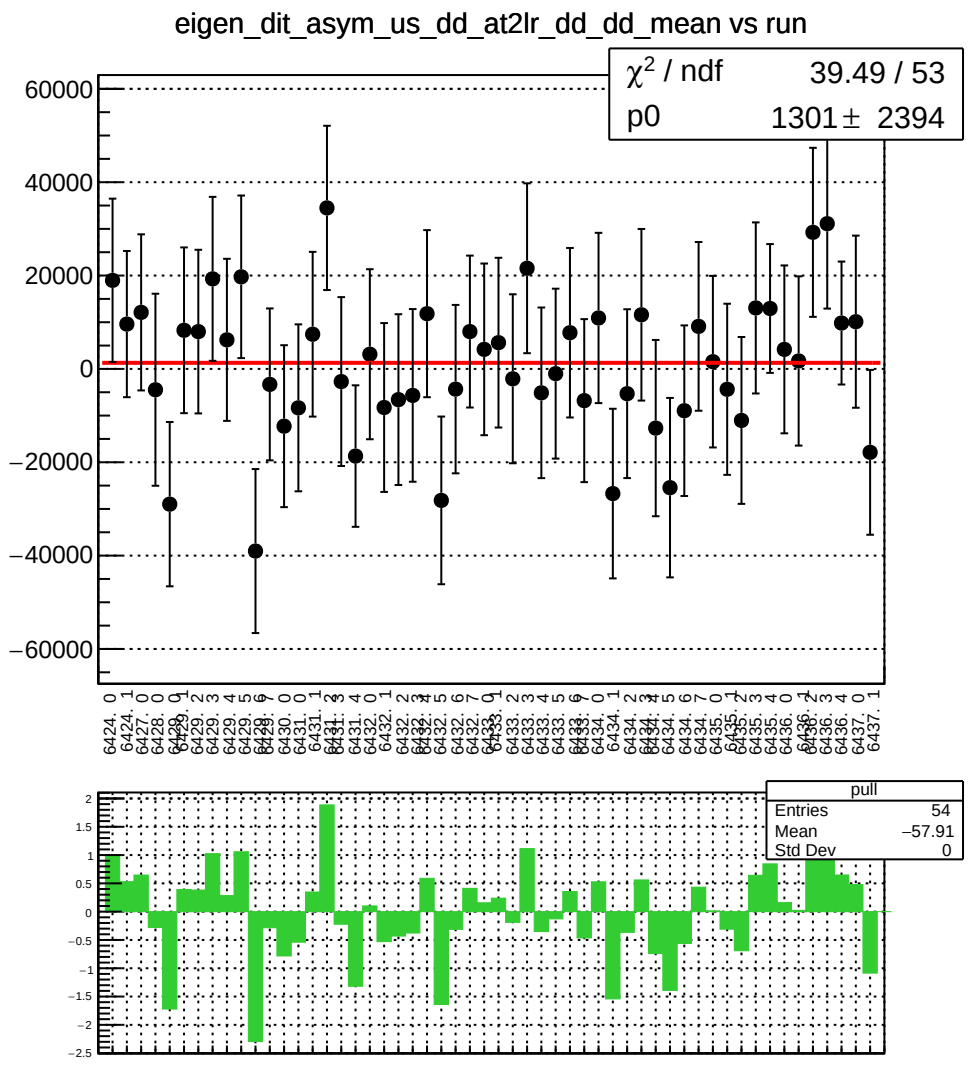

pull1D
Entries 54
Mean −0.00949
Std Dev 0.8551

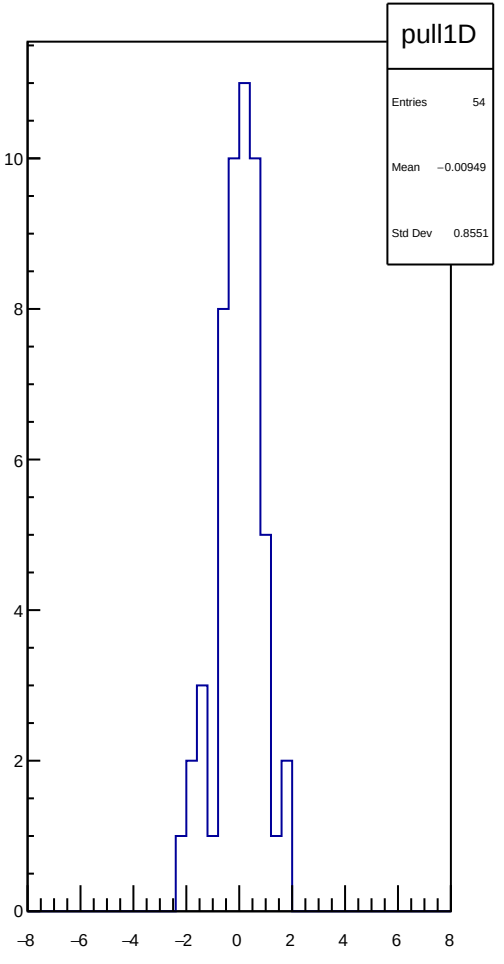

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 391.9 / 53
p0 1711 ± 1.692
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

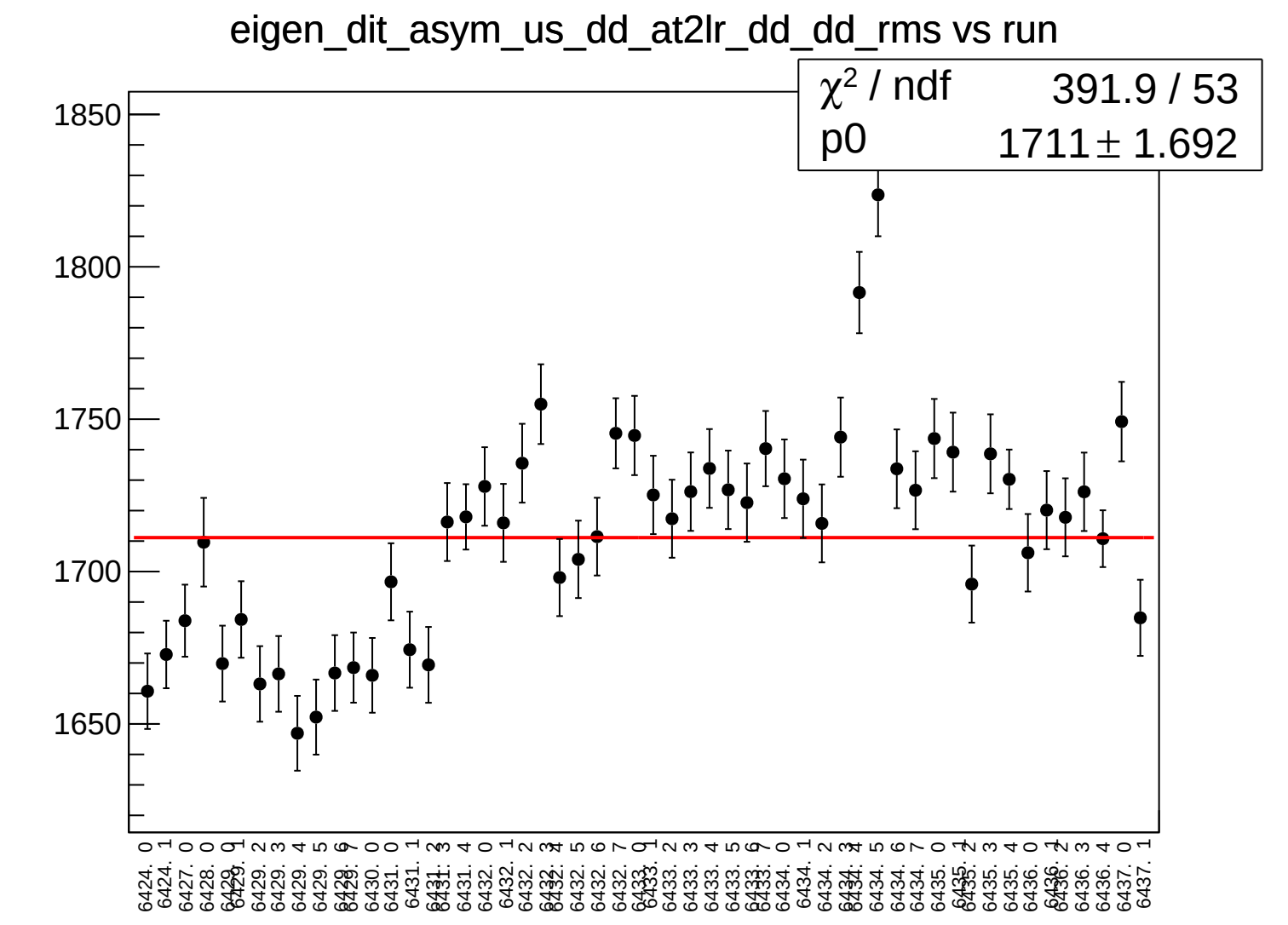

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 66.85 / 53
p0 21.07 ± 672.4
pull
Entries 54
Mean 195.9
Std Dev 0

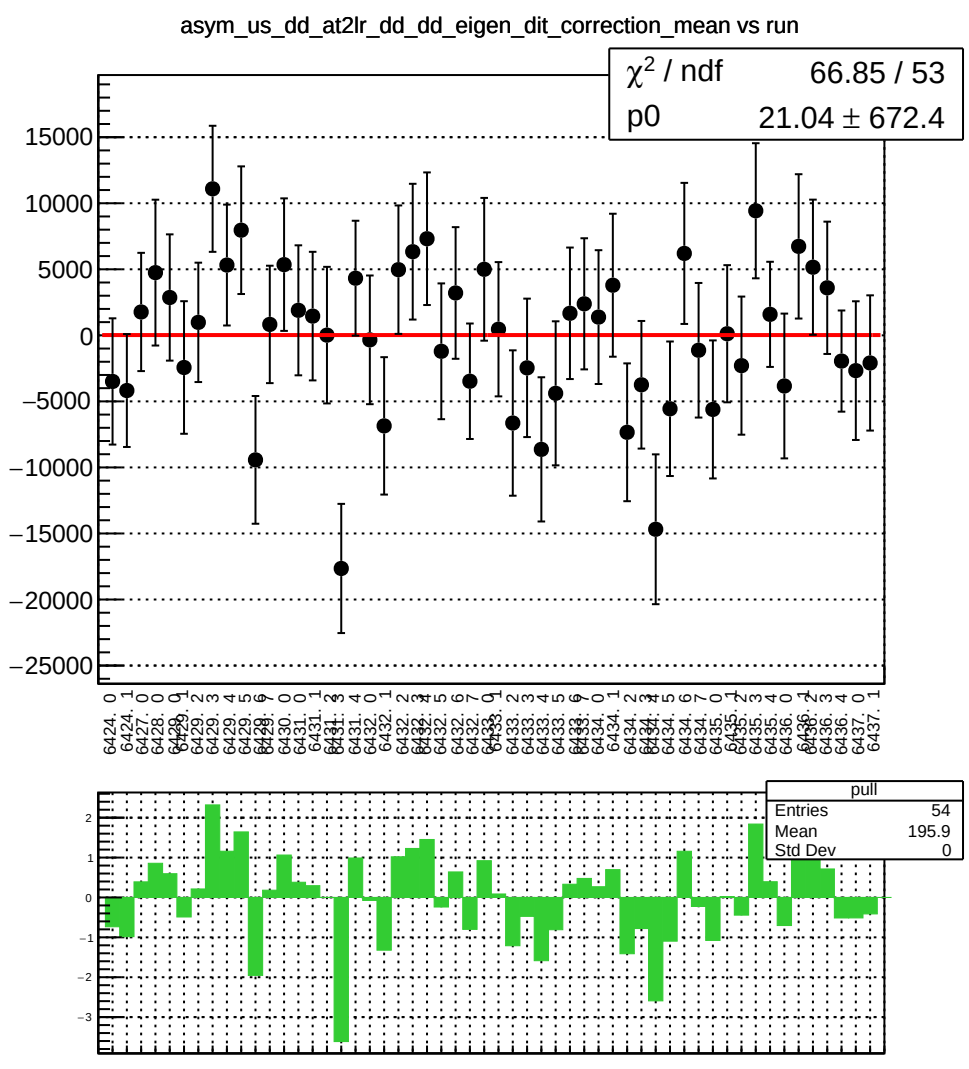

pull1D
Entries 54
Mean −0.009117
Std Dev 1.113

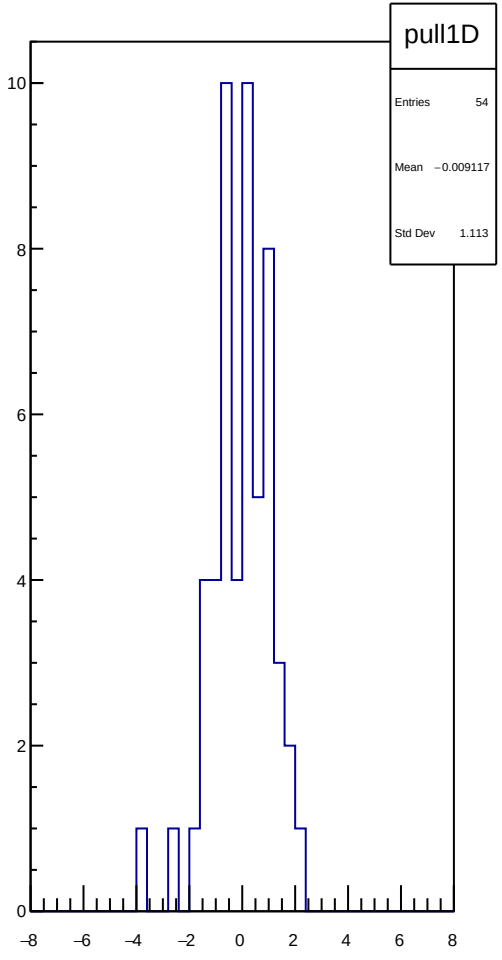

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2348 / 53
p0 480.2 ± 0.4754
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

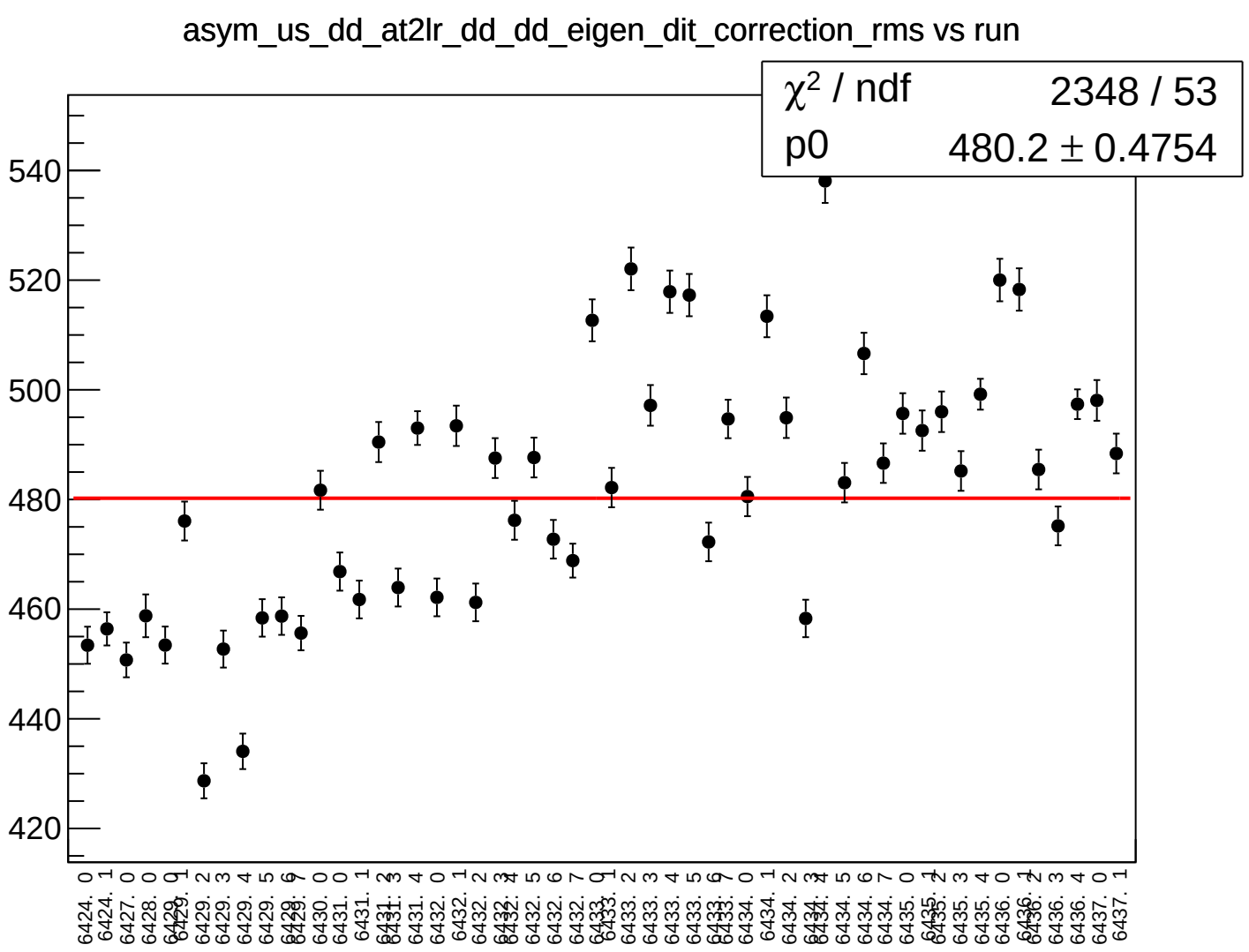

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.49 / 53
p0 1301 ± 2394
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −57.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

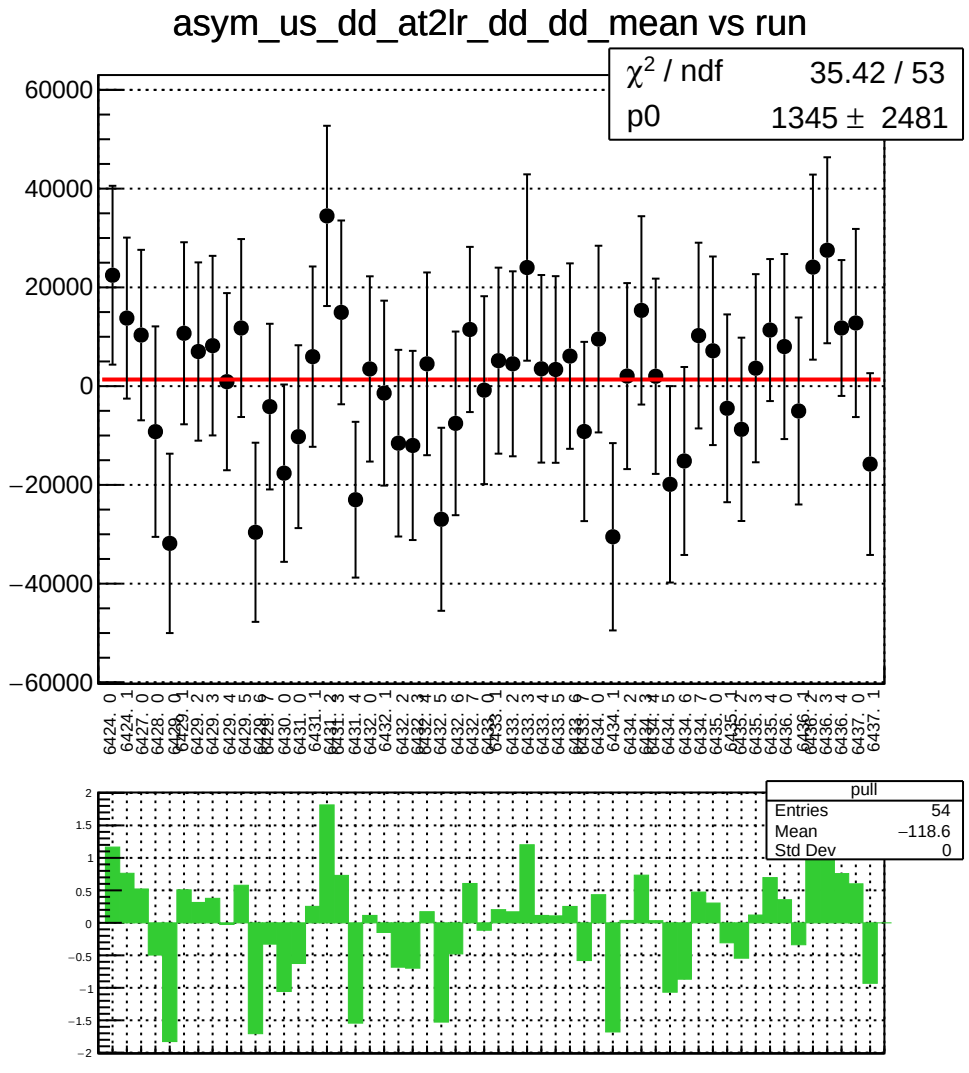

pull1D
Entries 54
Mean −0.00949
Std Dev 0.8551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

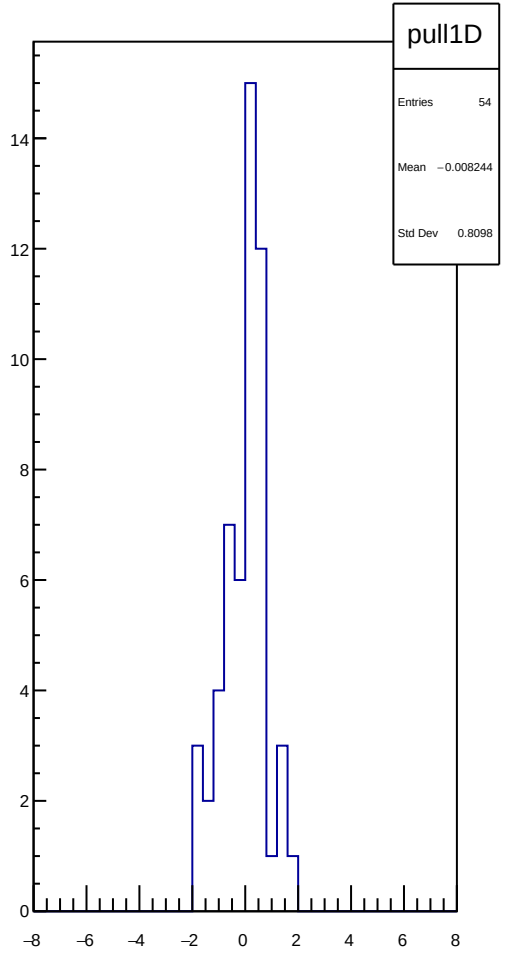

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 391.9 / 53
p0 1711 ± 1.692
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

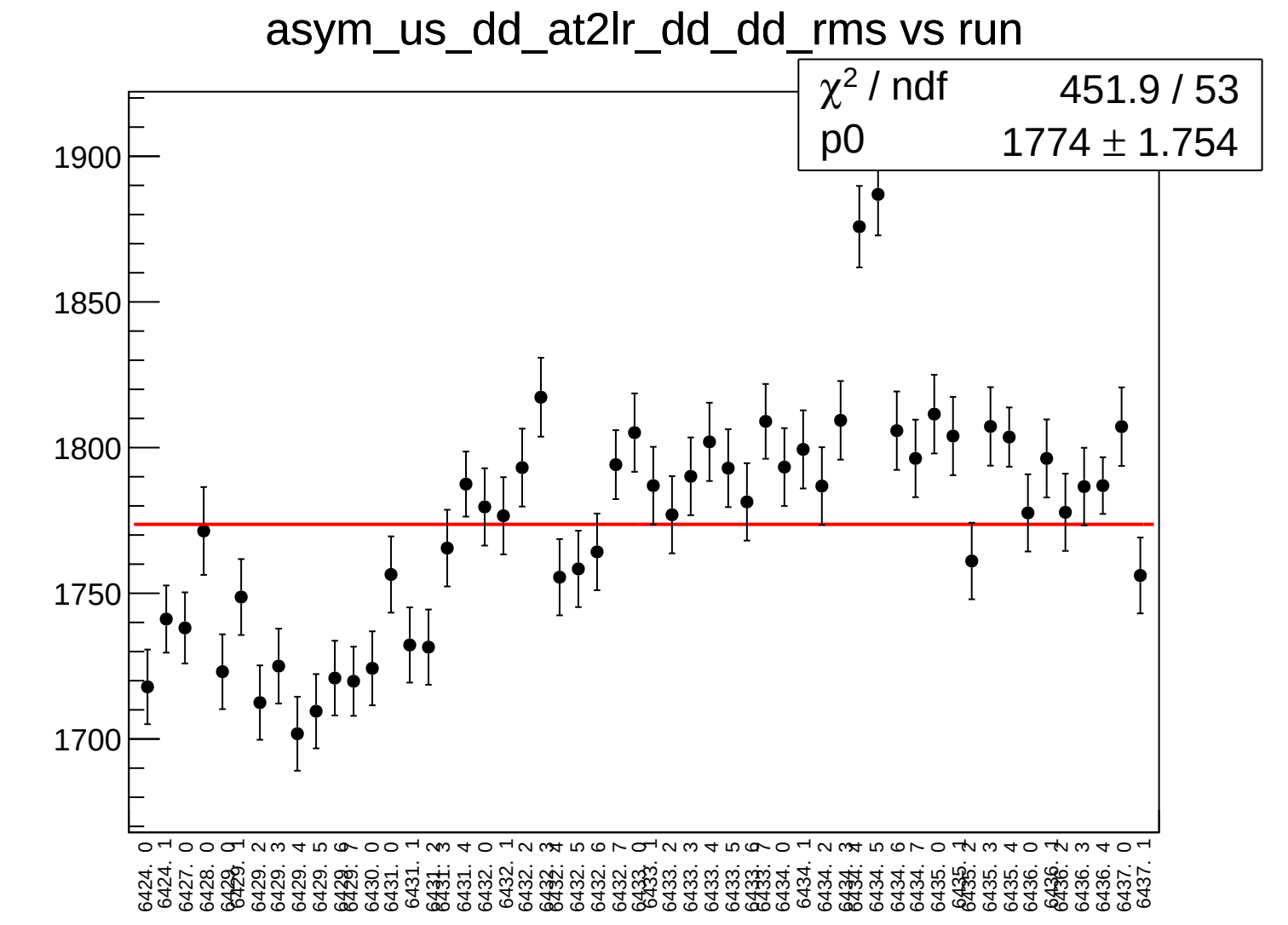

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.85 / 53
p0 21.04 ± 672.4
pull
Entries 54
Mean 195.9
Std Dev 0

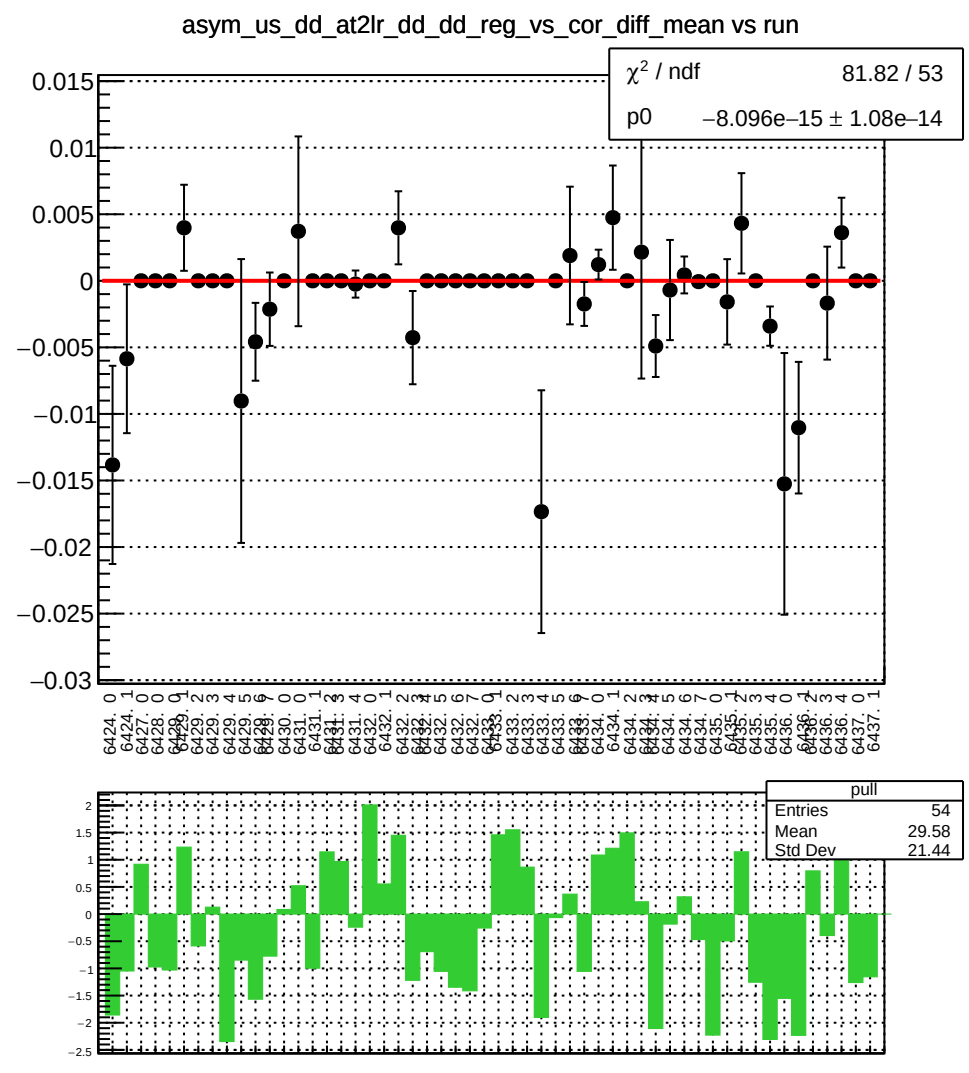

pull1D
Entries 54
Mean −0.009117
Std Dev 1.113

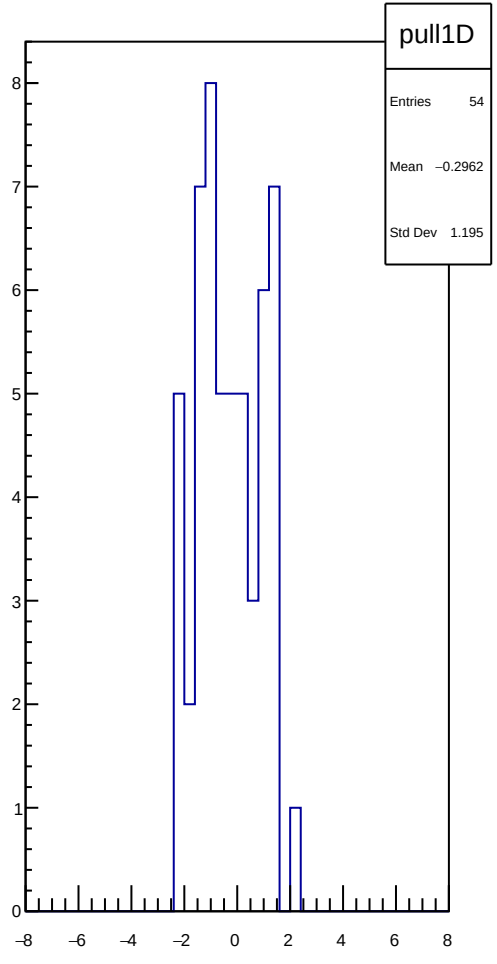

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2348 / 53
p0 480.2 ± 0.4754
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

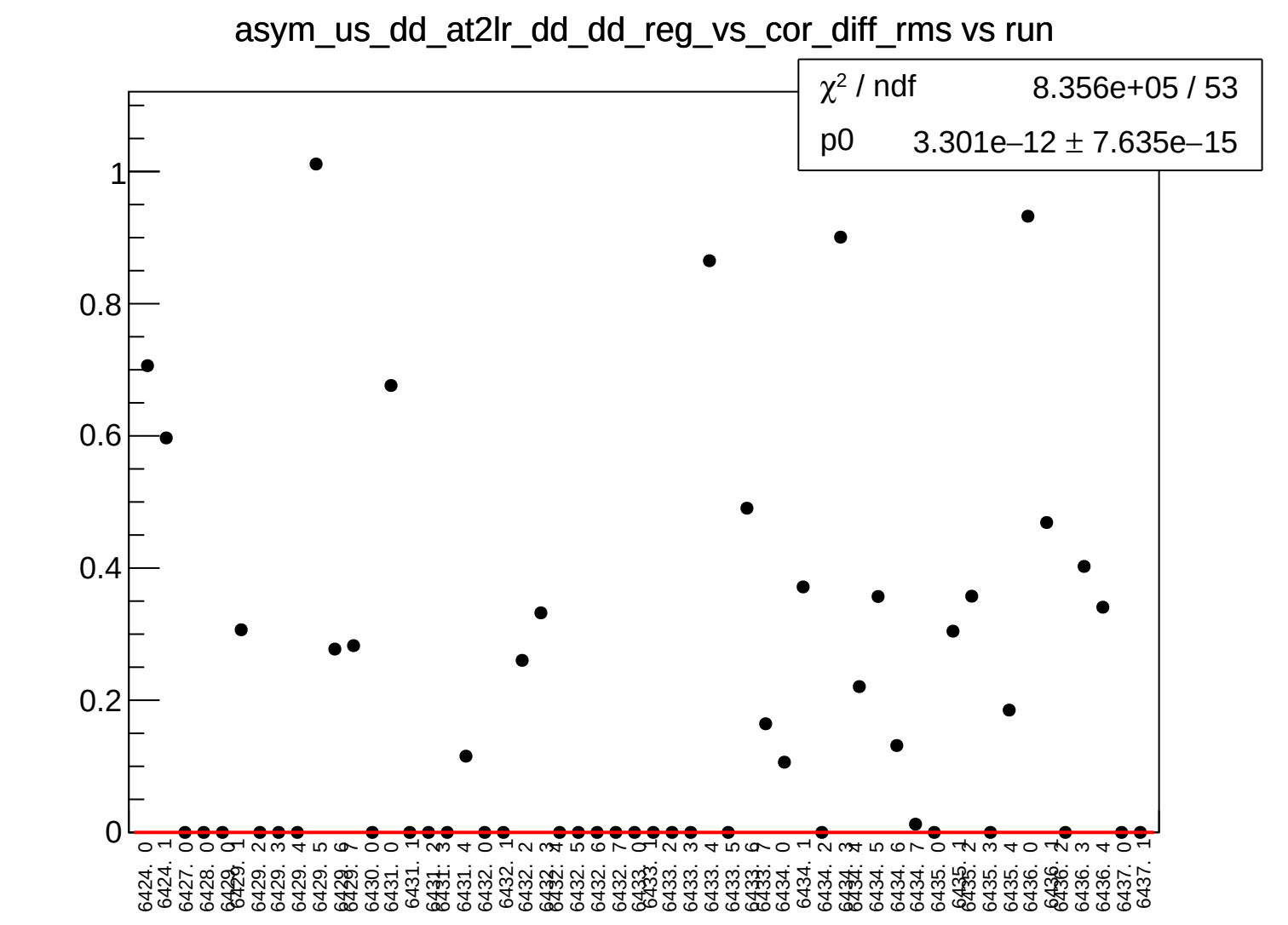

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 35.42 / 53
p0 1345 ± 2481
pull
Entries 54
Mean −118.6
Std Dev 0

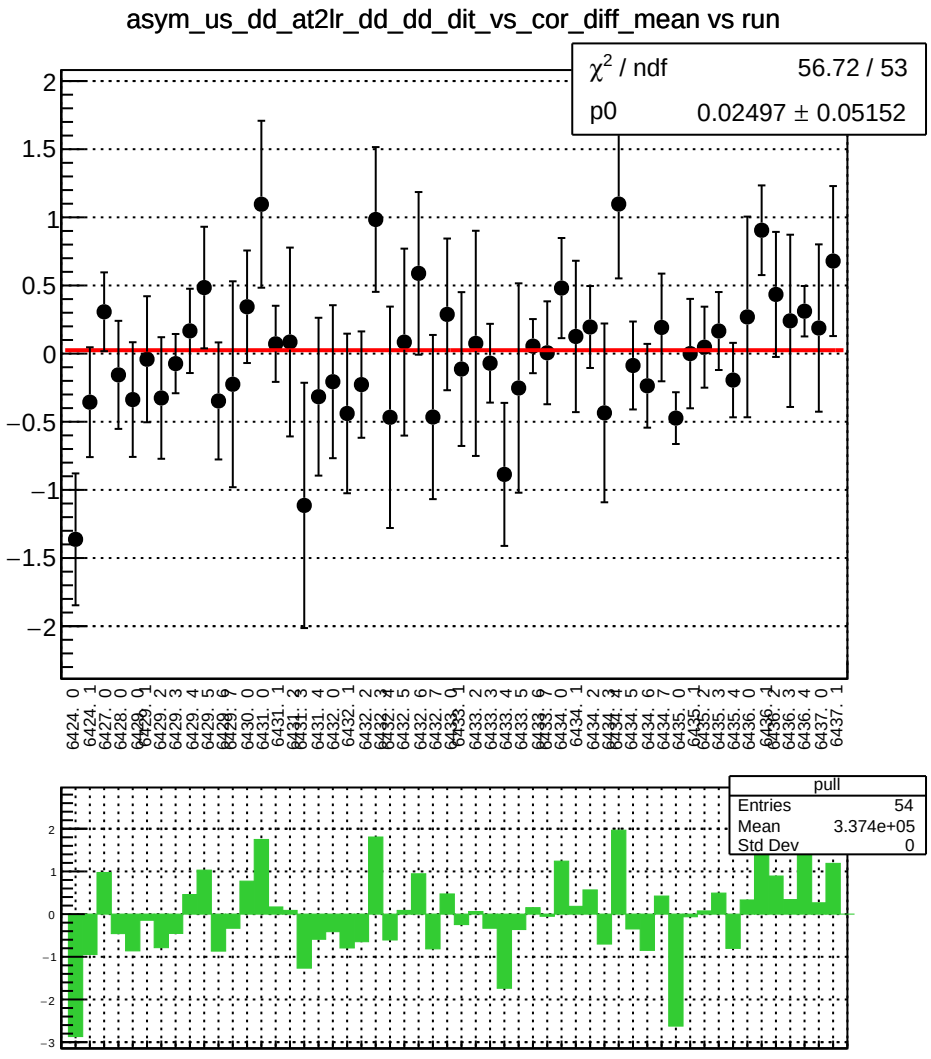

pull1D
Entries 54
Mean −0.008244
Std Dev 0.8098

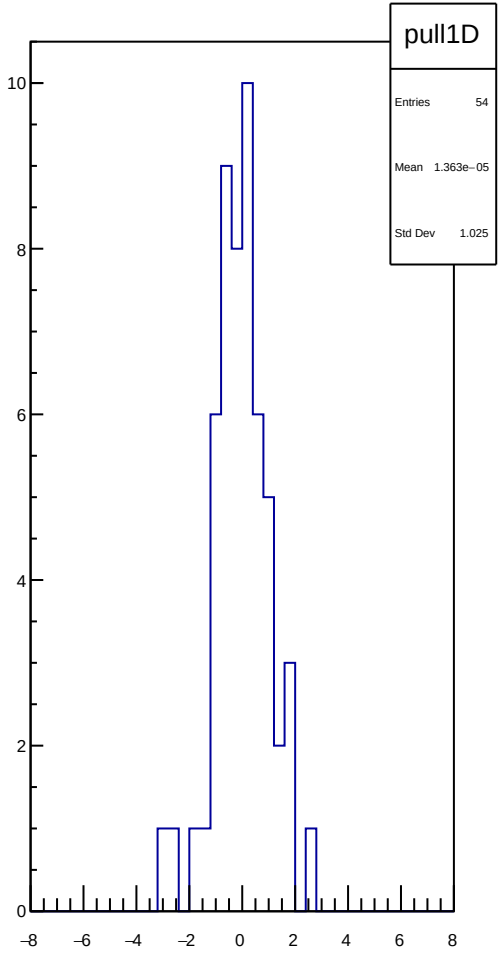

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 451.9 / 53
p0 1774 ± 1.754
1900
1850
1800
1750
1700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

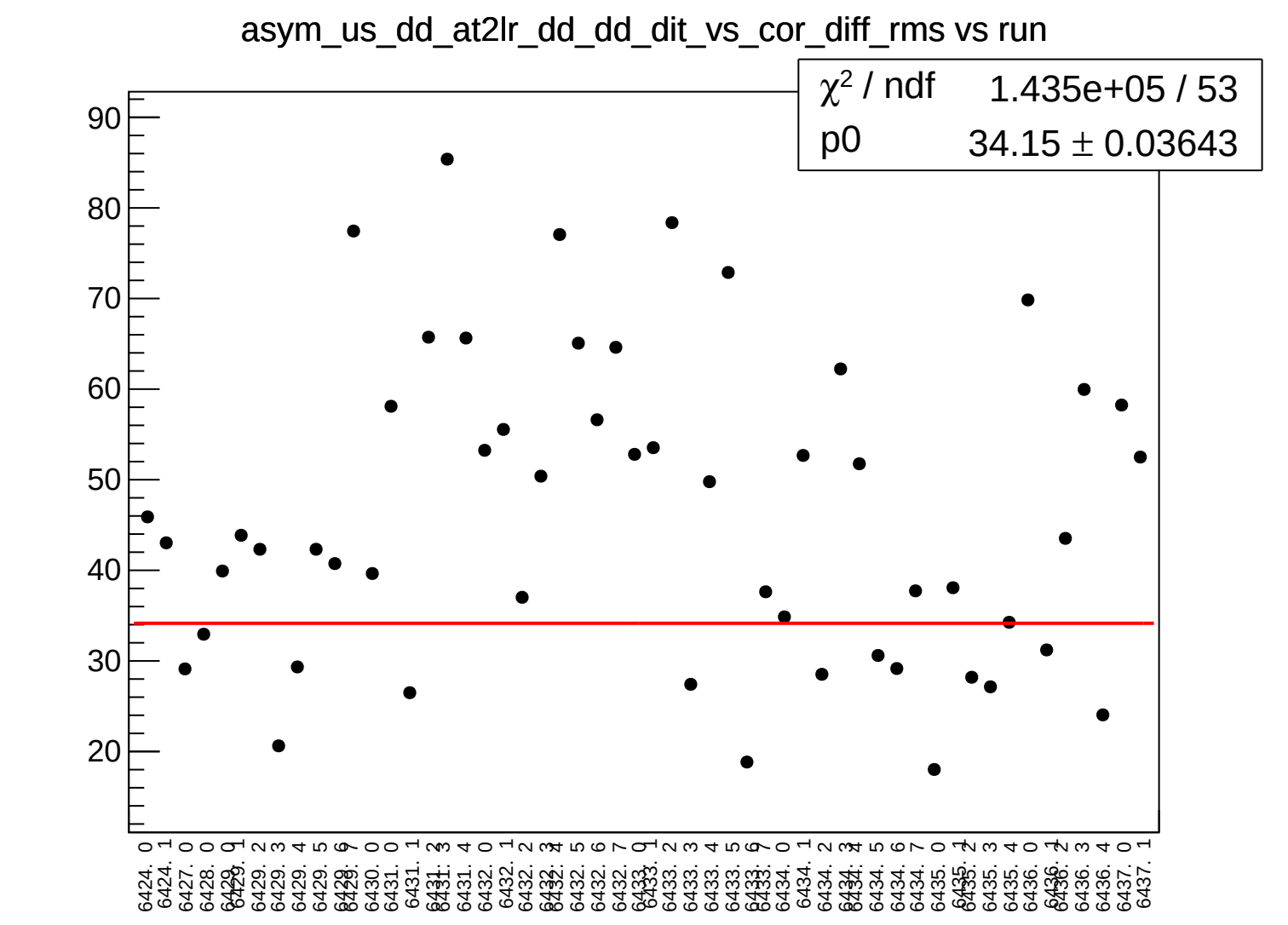

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.82 / 53
p0 −8.096e−15 ± 1.08e−14
pull
Entries 54
Mean 29.58
Std Dev 21.44

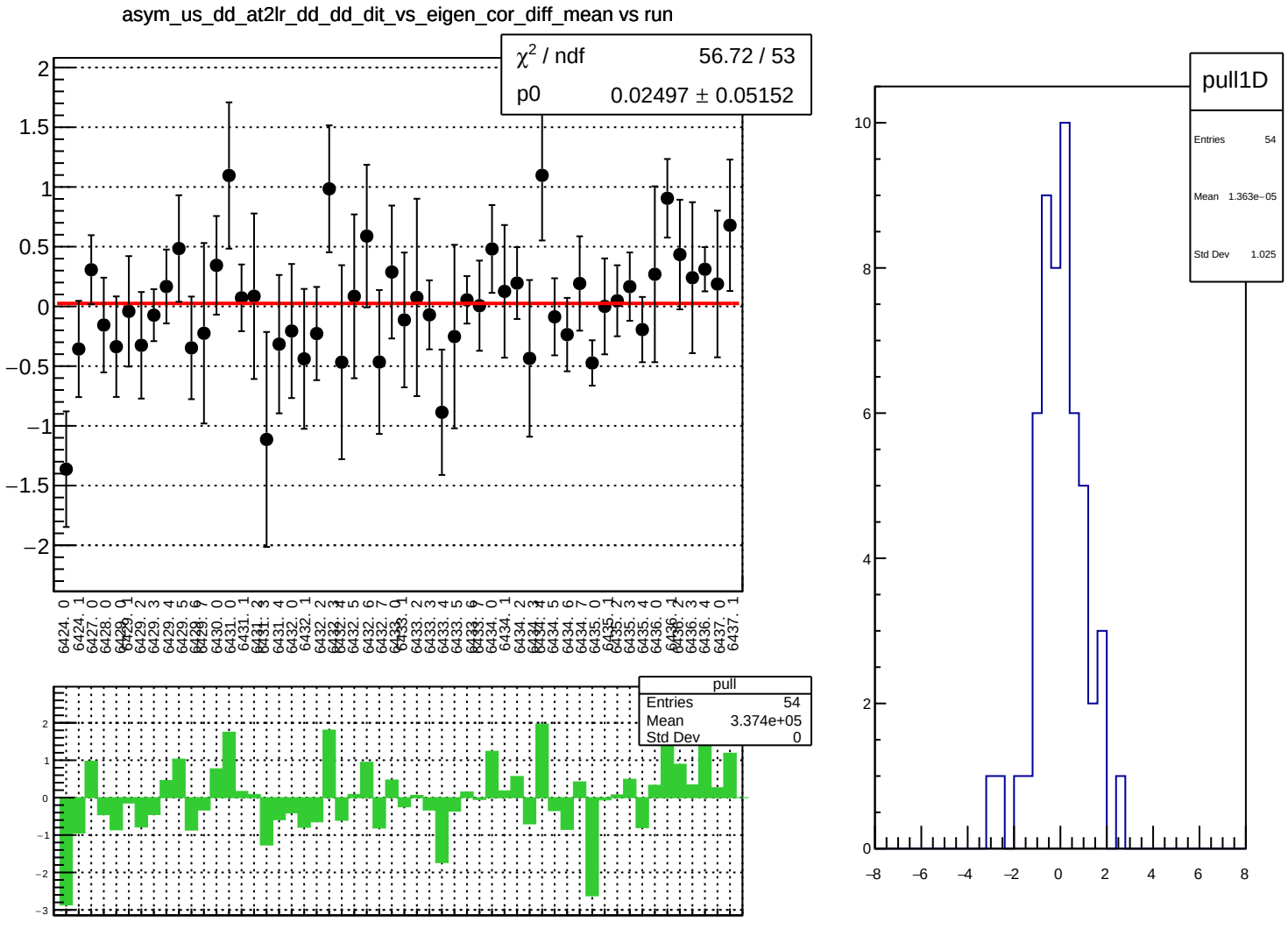

pull1D
Entries 54
Mean −0.2962
Std Dev 1.195

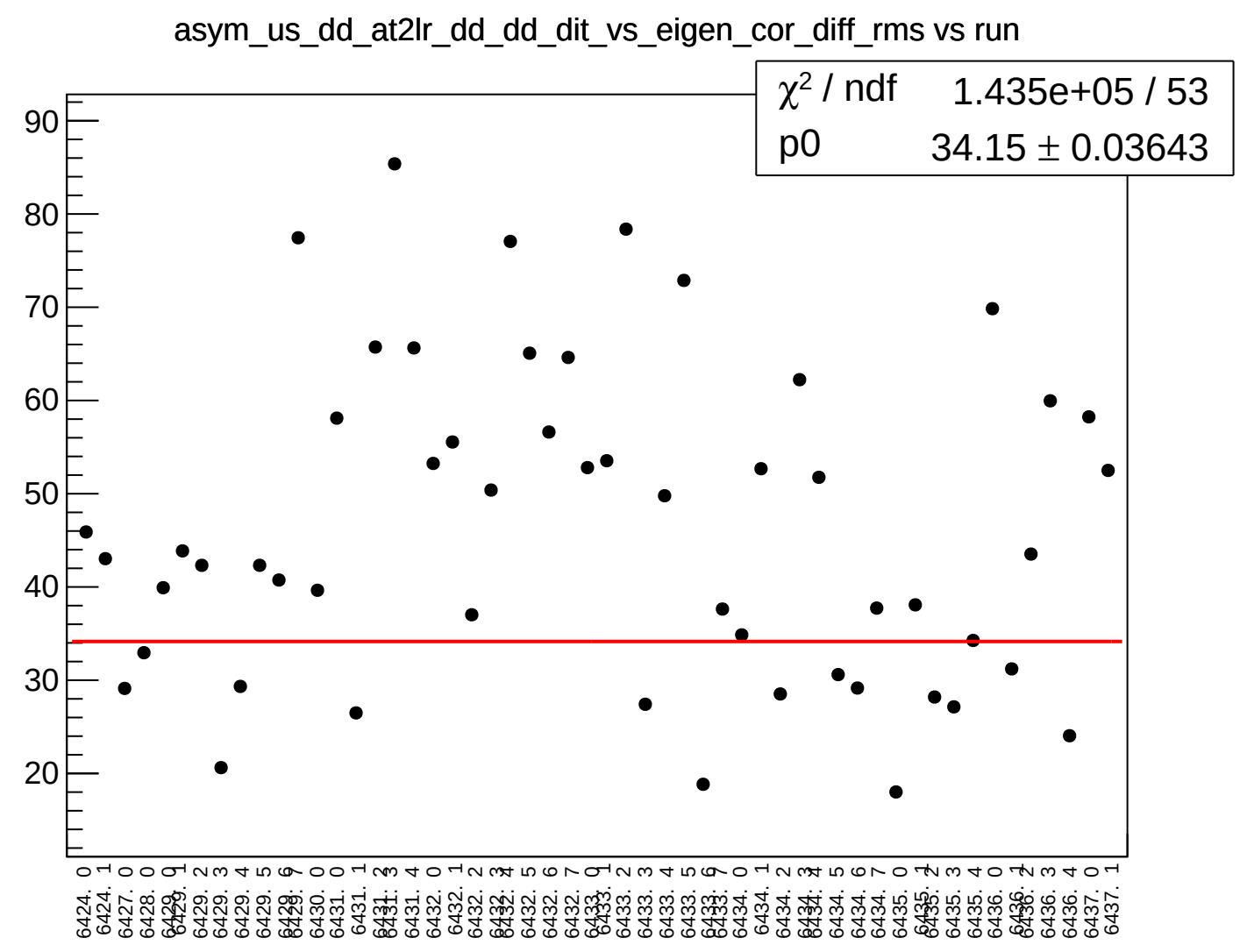

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.356e+05 / 53
p0 3.301e−12 ± 7.635e−15
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

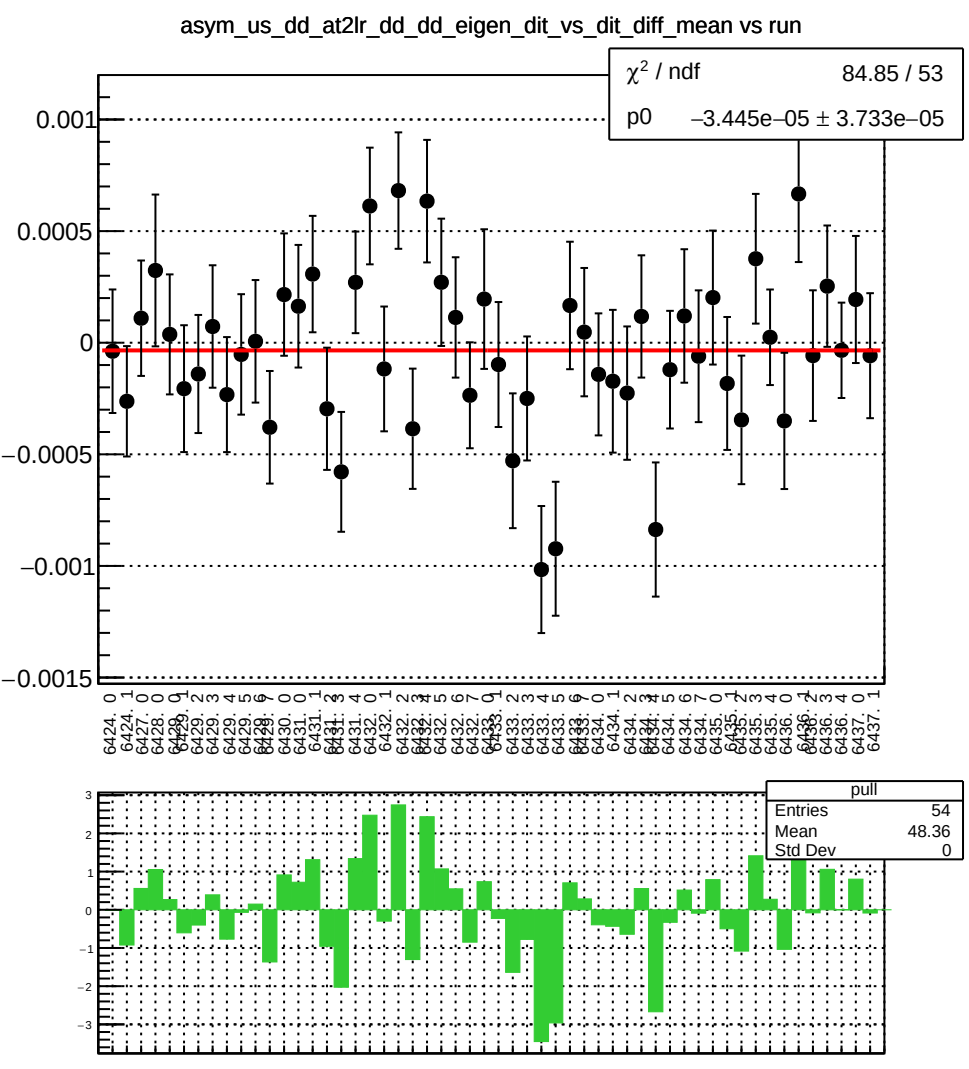

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.72 / 53
p0 0.02497 ± 0.05152
pull
Entries 54
Mean 3.374e+05
Std Dev 0

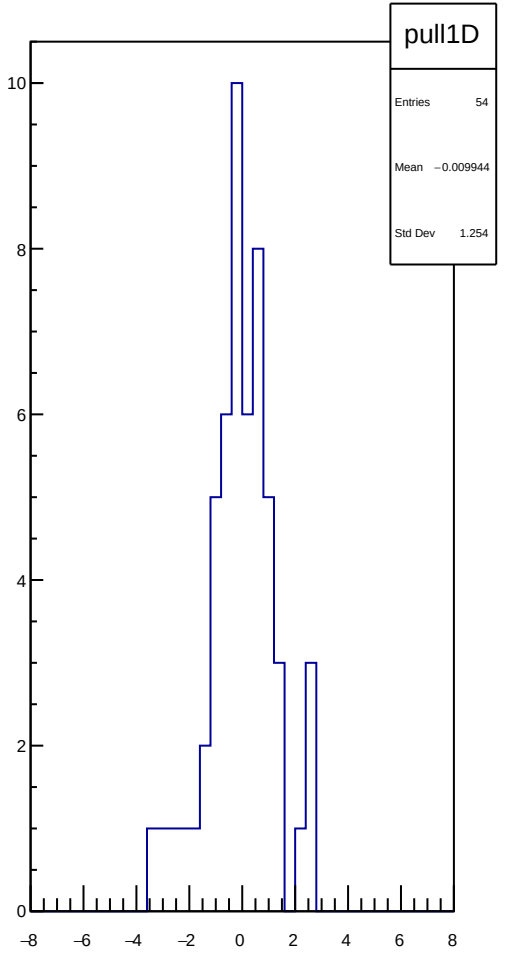

pull1D
Entries 54
Mean 1.363e−05
Std Dev 1.025

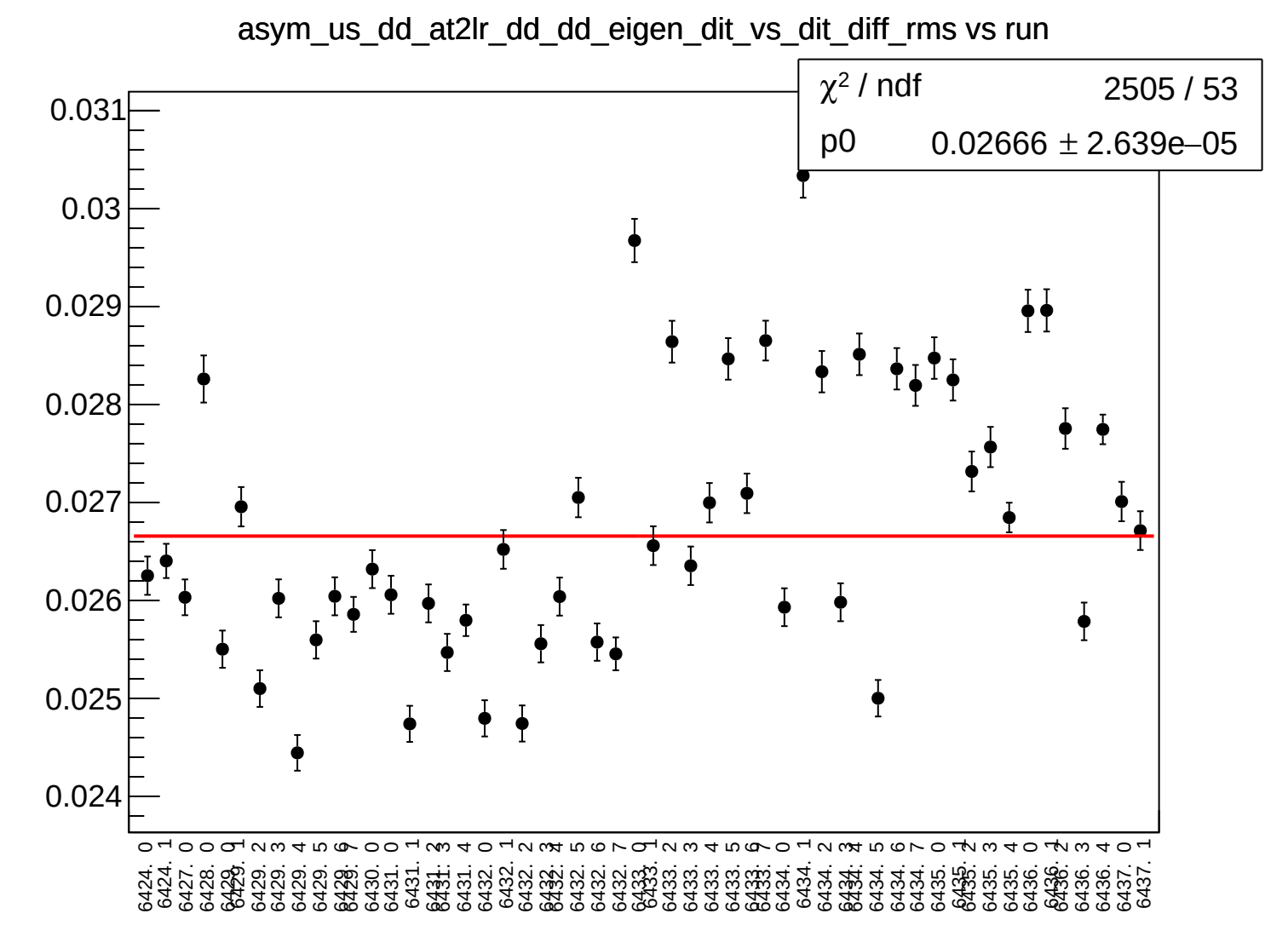

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.435e+05 / 53
p0 34.15 ± 0.03643
90
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.72 / 53
p0 0.02497 ± 0.05152
pull
Entries 54
Mean 3.374e+05
Std Dev 0
pull1D
Entries 54
Mean 1.363e−05
Std Dev 1.025


asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.435e+05 / 53
p0 34.15 ± 0.03643
90
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 84.85 / 53
p0 −3.445e−05 ± 3.733e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 48.36
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.009944
Std Dev 1.254
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2505 / 53
p0 0.02666 ± 2.639e−05
0.031
0.03
0.029
0.028
0.027
0.026
0.025
0.024
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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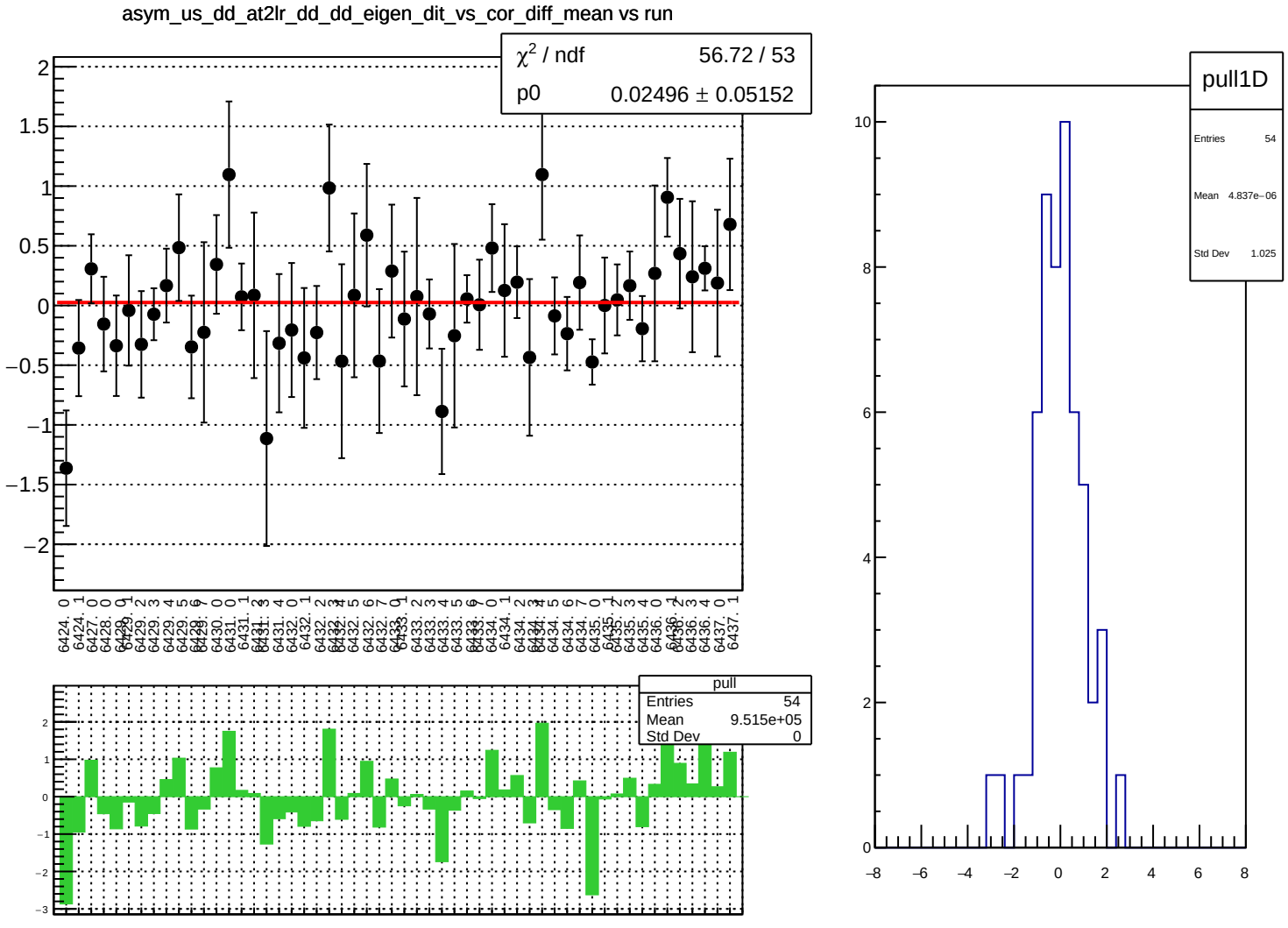
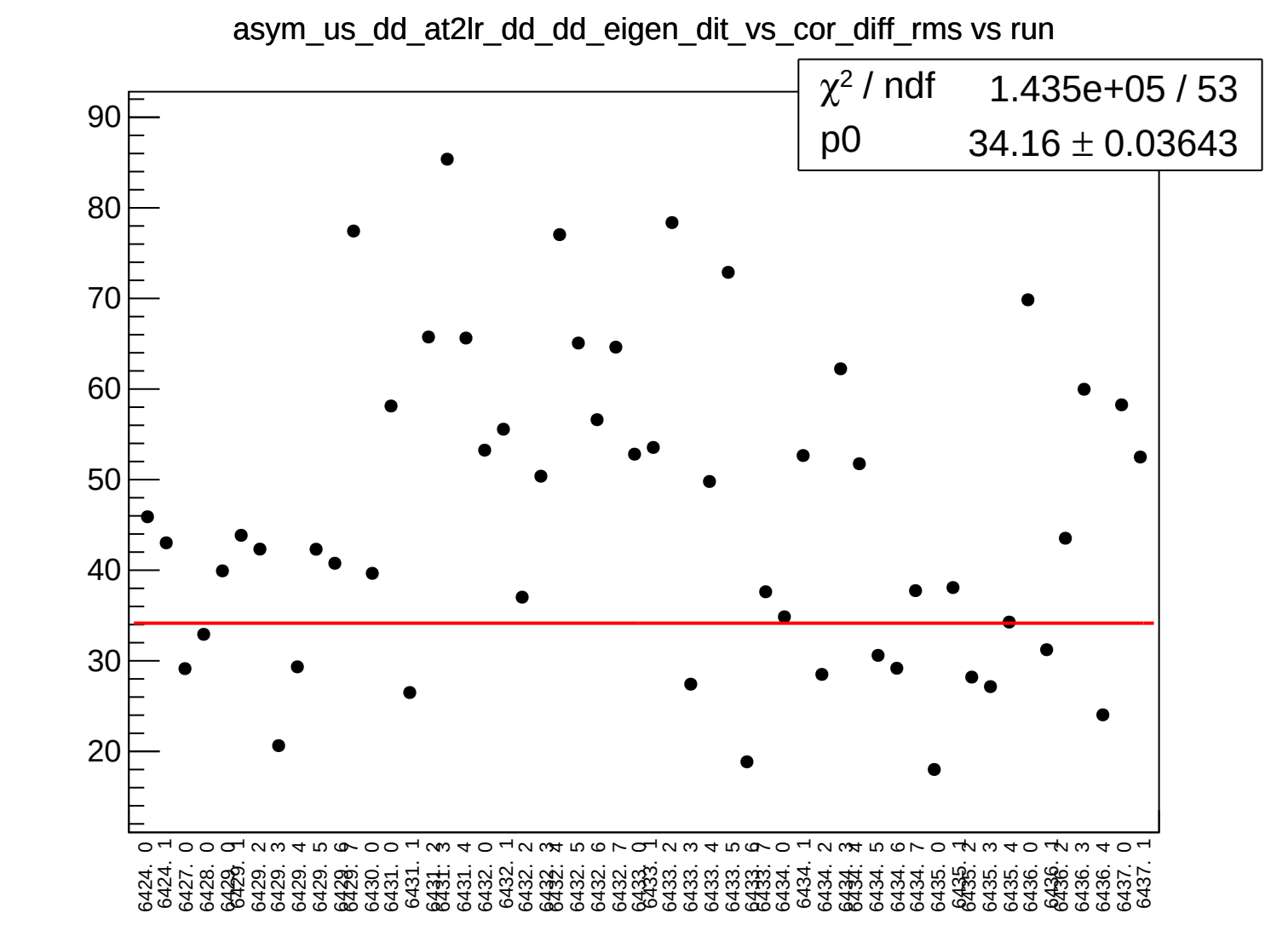
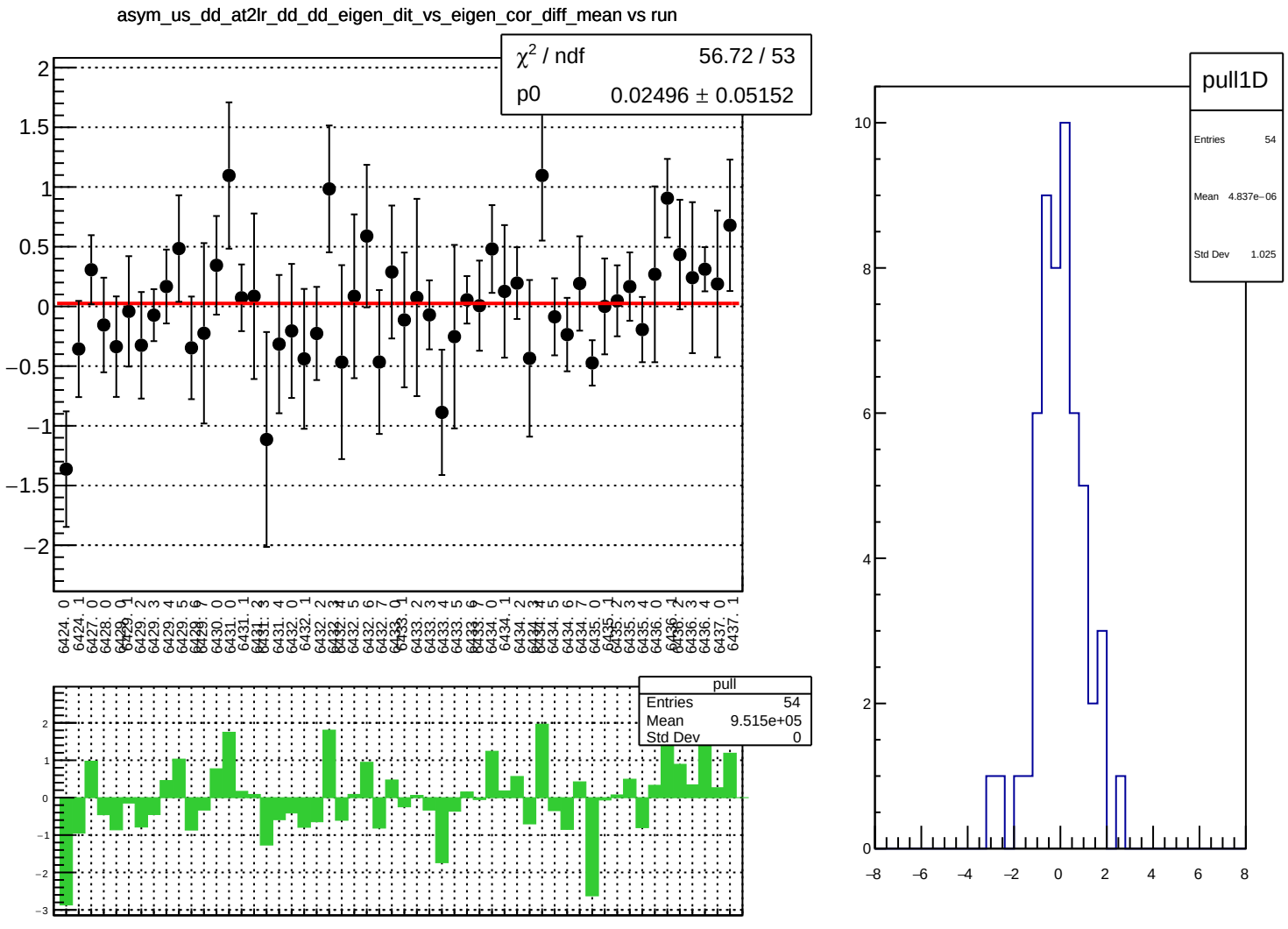
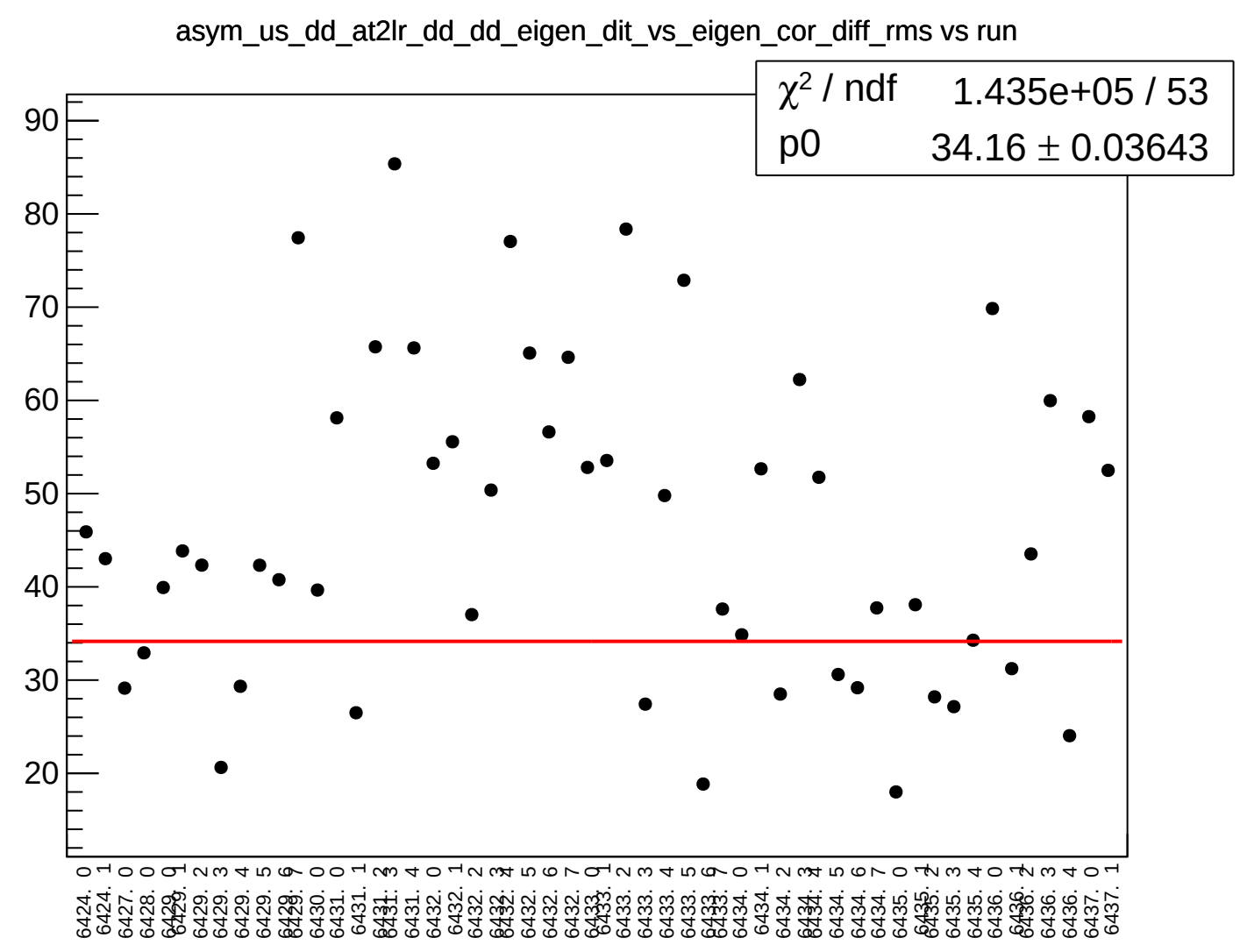
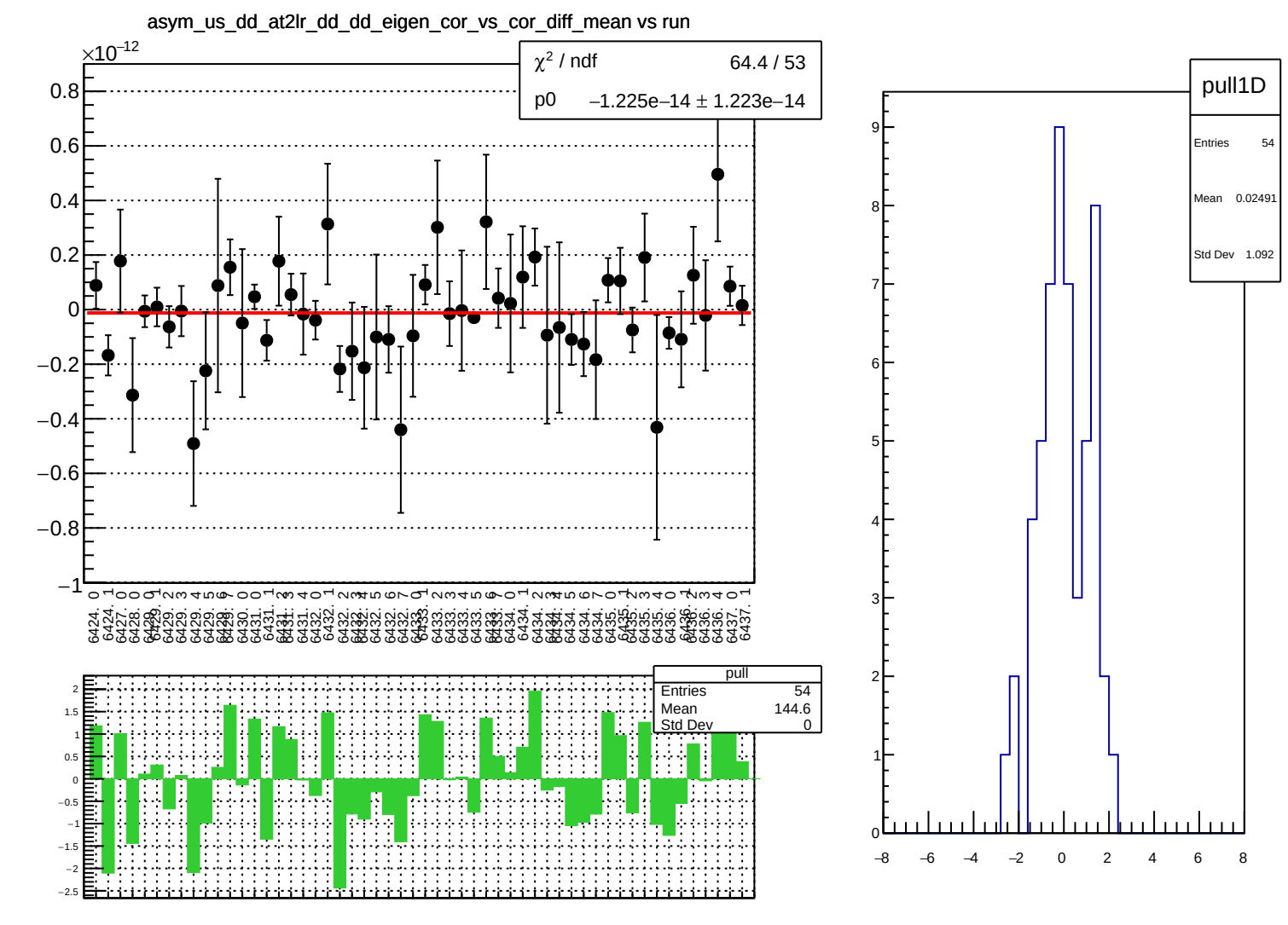
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

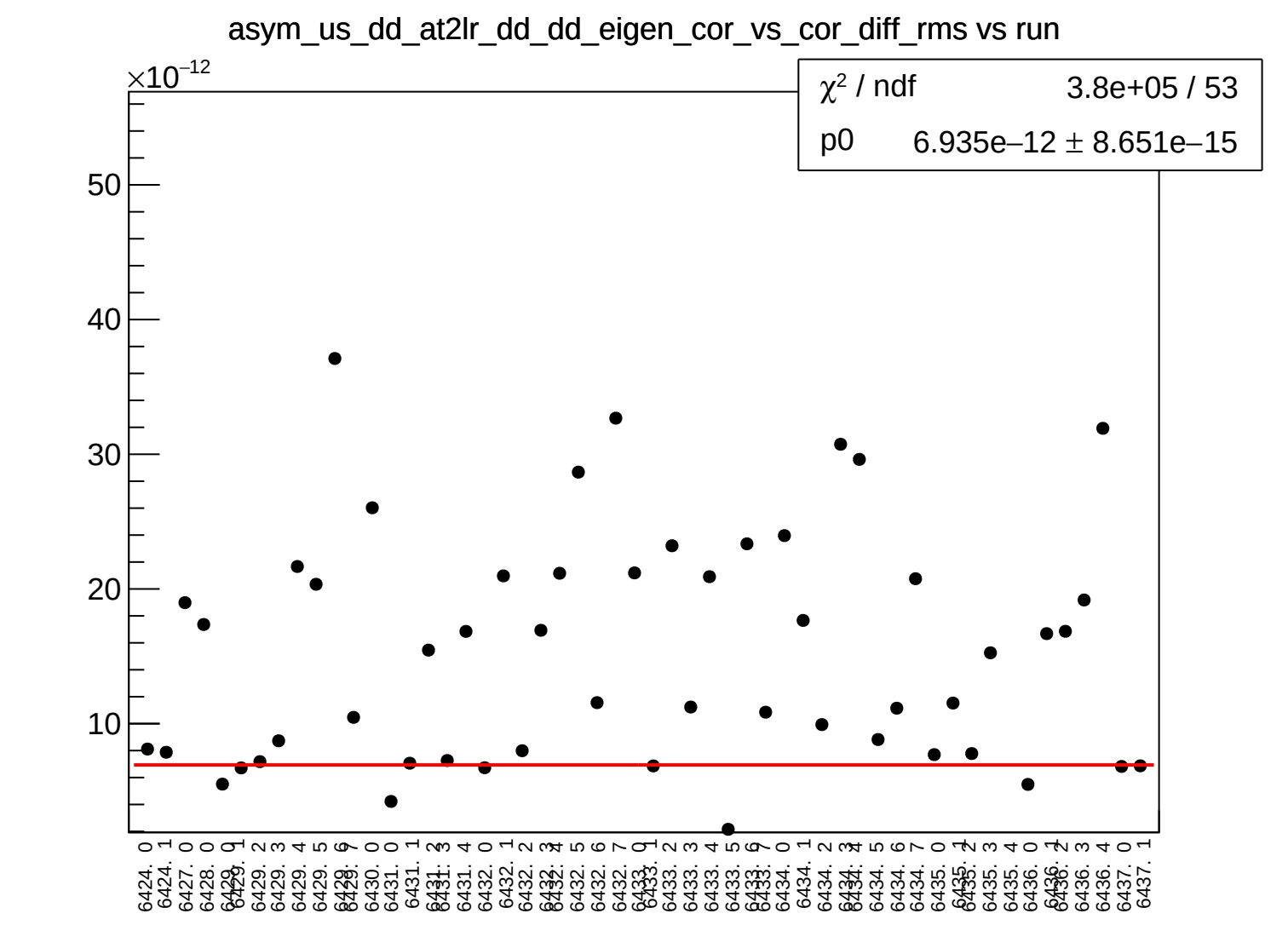

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.72 / 53
p0 0.02496 ± 0.05152
pull
Entries 54
Mean 9.515e+05
Std Dev 0
pull1D
Entries 54
Mean 4.837e−06
Std Dev 1.025

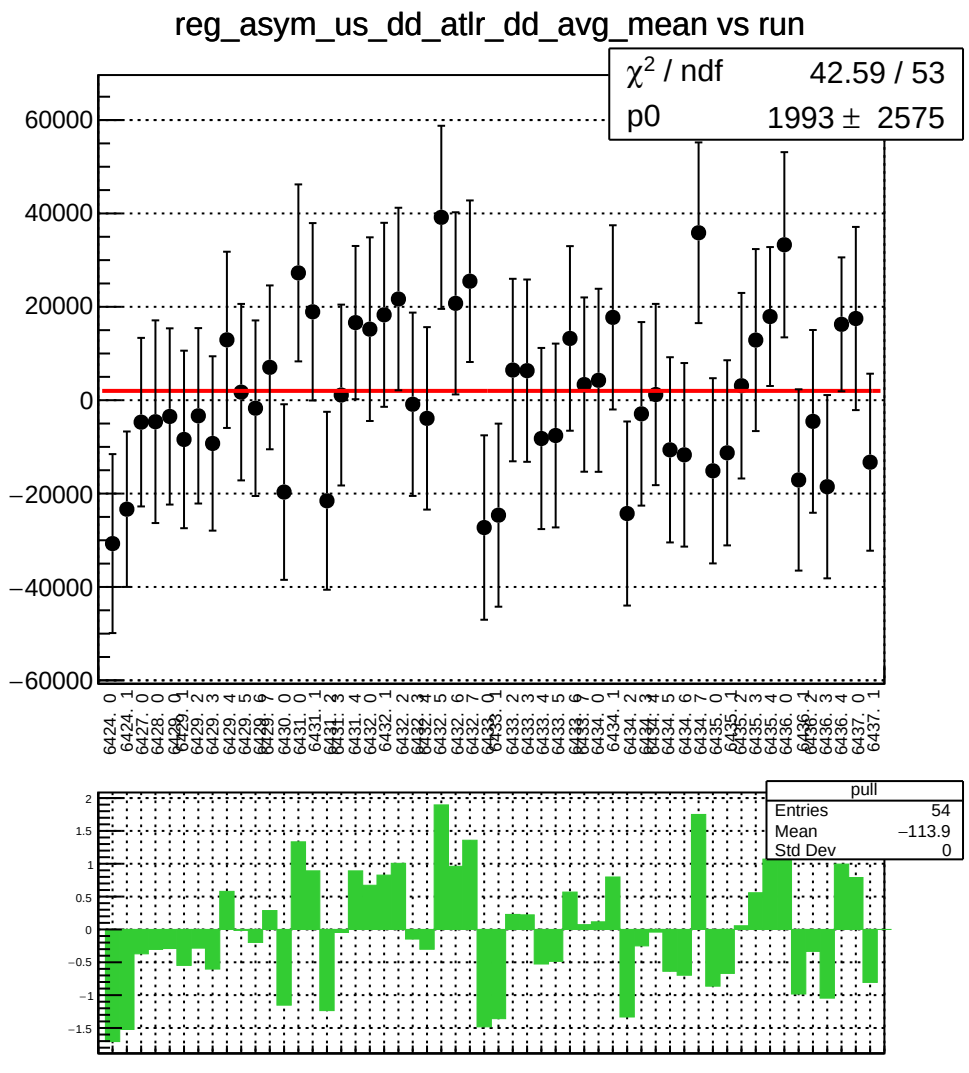

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.435e+05 / 53
p0 34.16 ± 0.03643
90
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

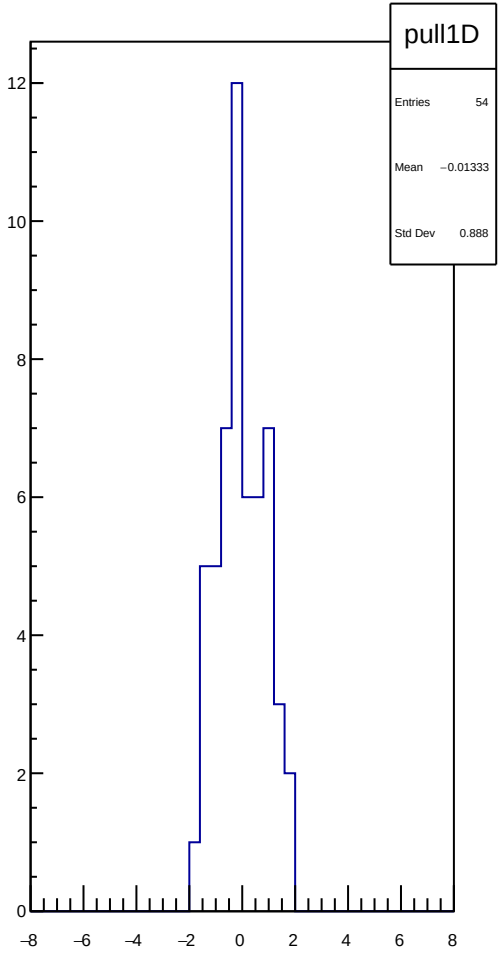

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.72 / 53
p0 0.02496 ± 0.05152
pull
Entries 54
Mean 9.515e+05
Std Dev 0
pull1D
Entries 54
Mean 4.837e−06
Std Dev 1.025

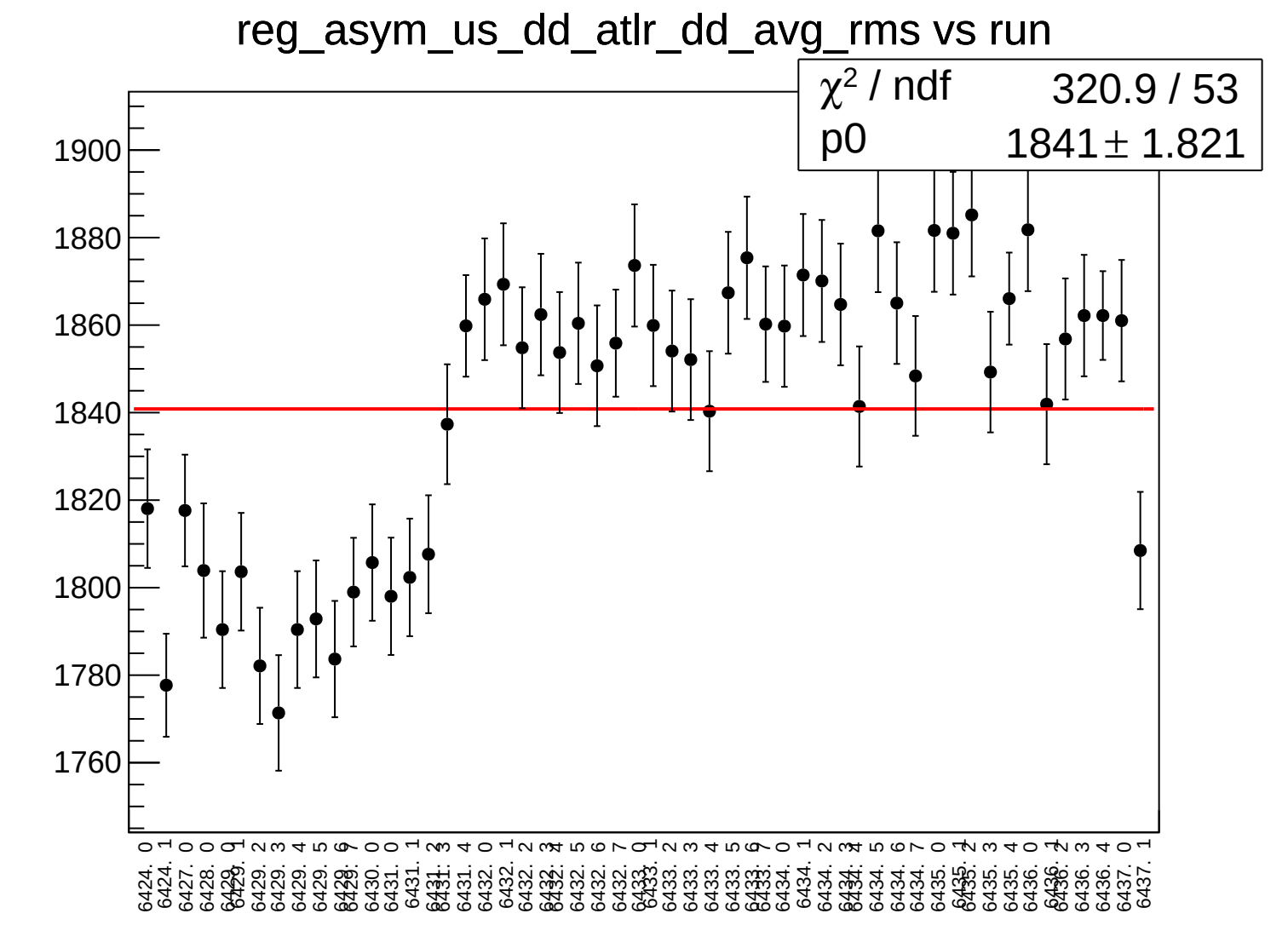

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.435e+05 / 53
p0 34.16 ± 0.03643
90
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

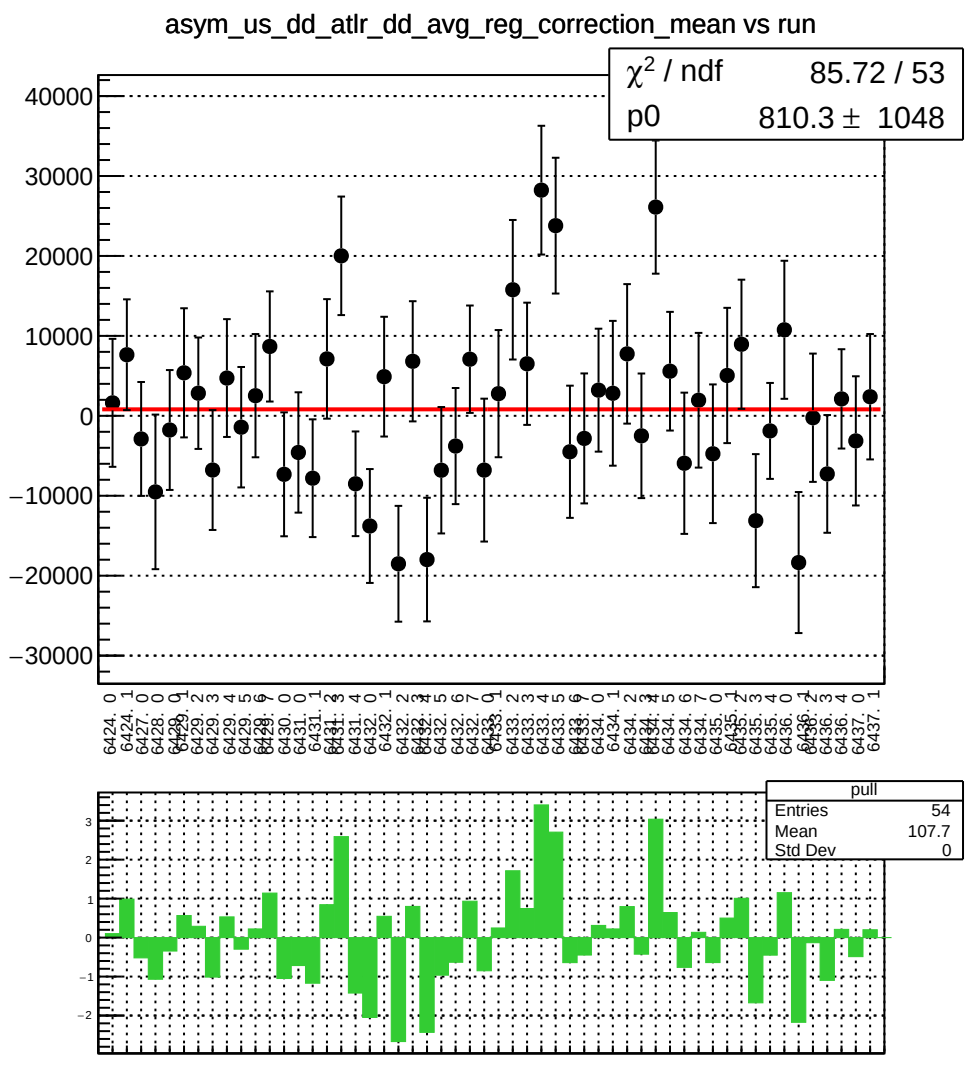

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.4 / 53
p0 −1.225e−14 ± 1.223e−14
pull
Entries 54
Mean 144.6
Std Dev 0
pull1D
Entries 54
Mean 0.02491
Std Dev 1.092

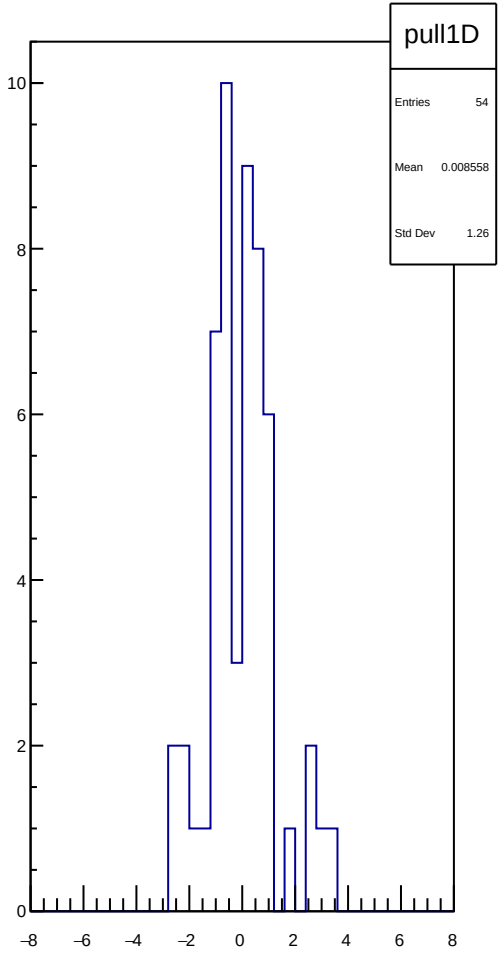

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.8e+05 / 53
p0 6.935e−12 ± 8.651e−15
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

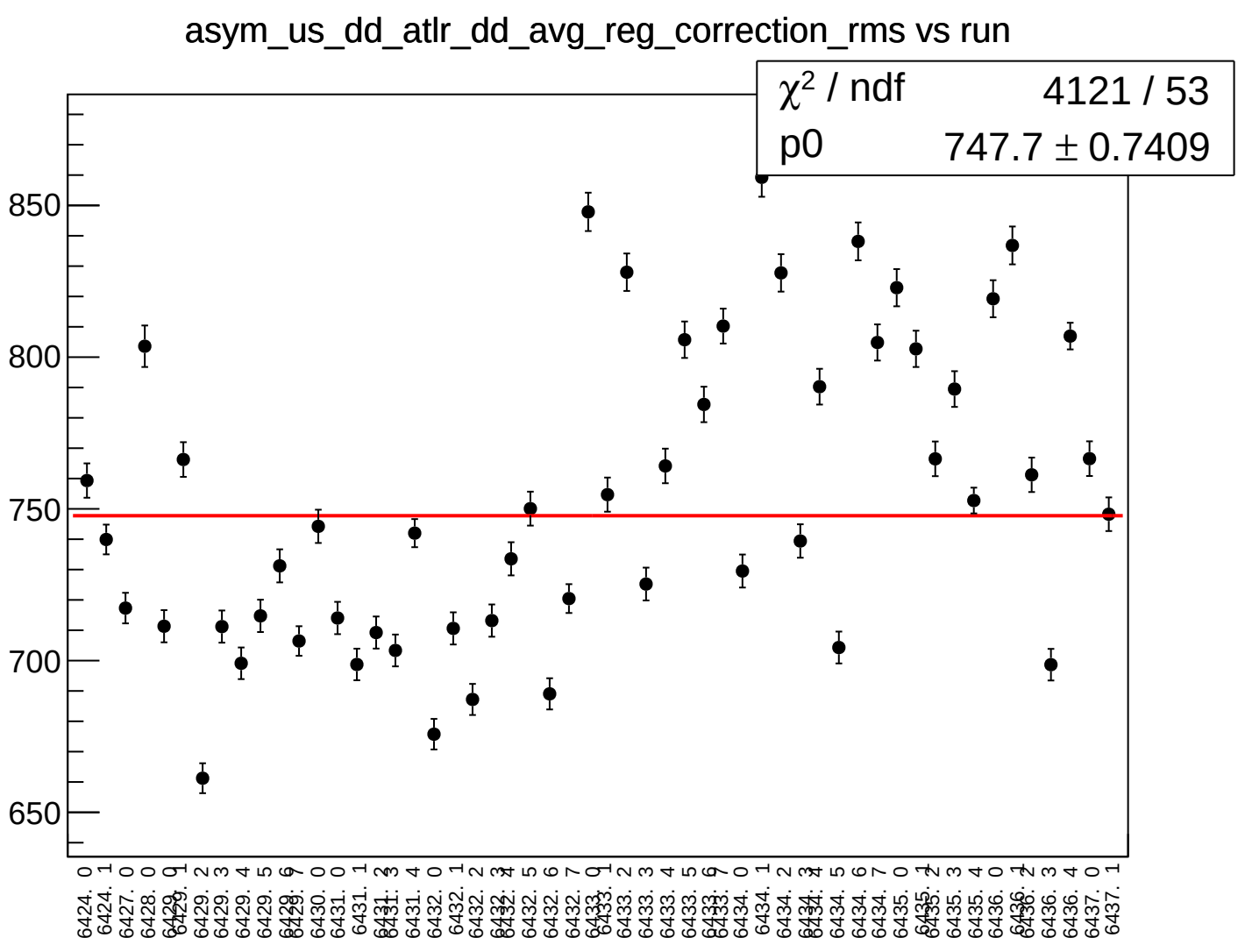

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.59 / 53
p0 1993 ± 2575
pull
Entries 54
Mean −113.9
Std Dev 0

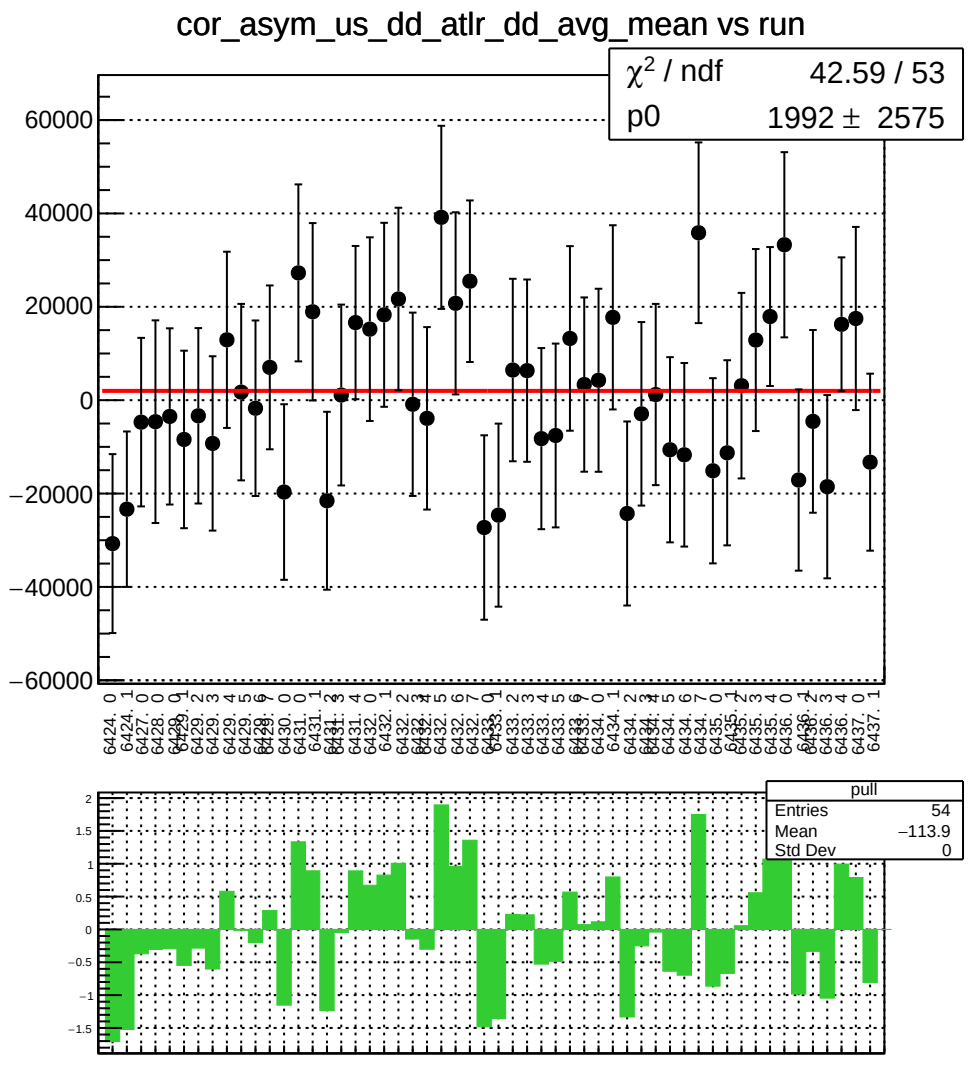

pull1D
Entries 54
Mean −0.01333
Std Dev 0.888

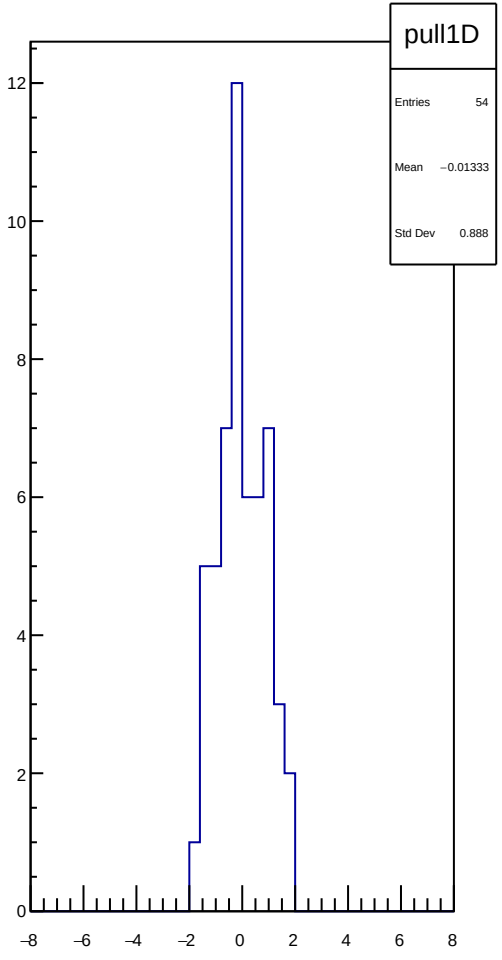

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 320.9 / 53
p0 1841 ± 1.821
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

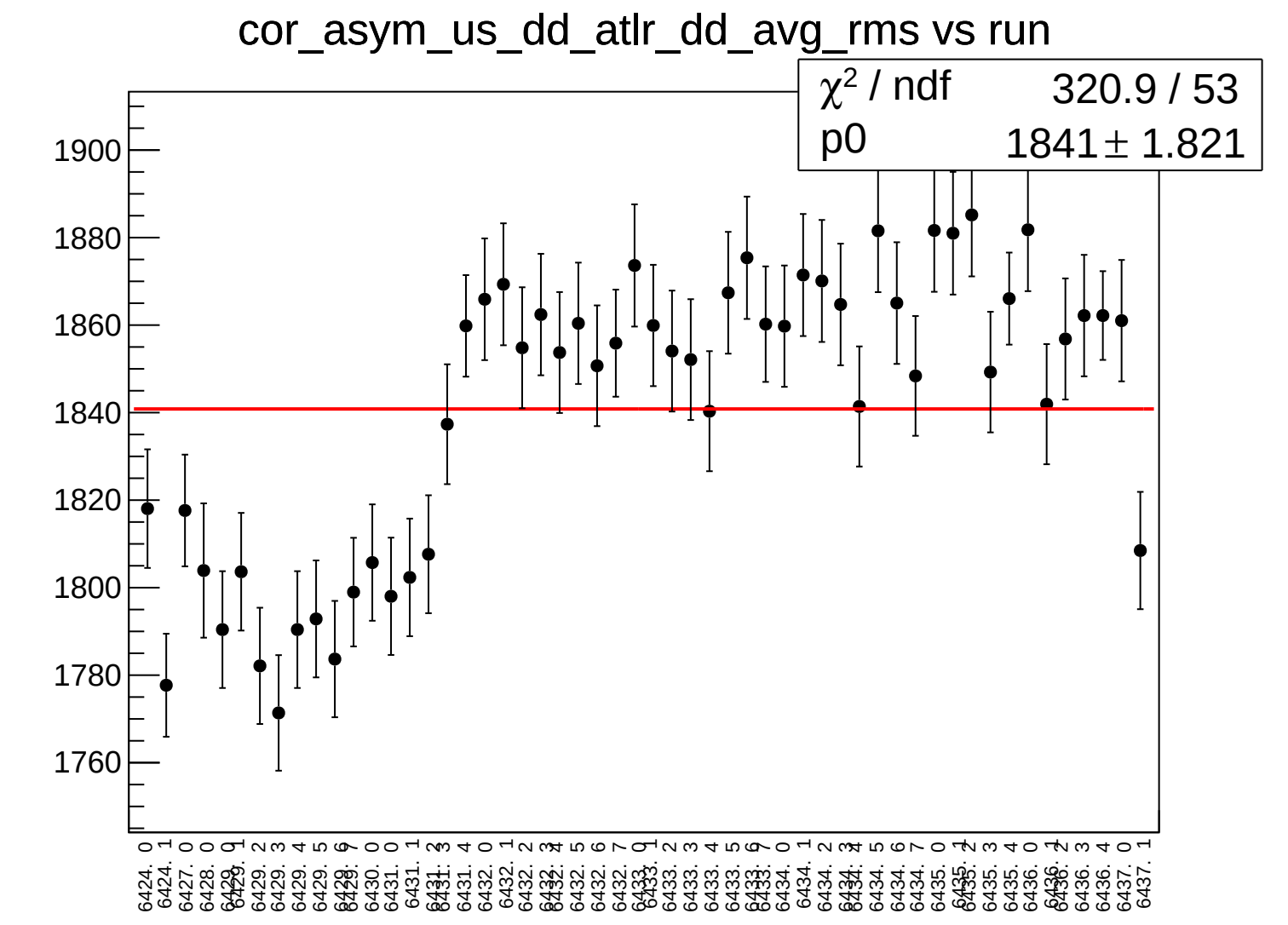

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 85.72 / 53
p0 810.3 ± 1048
pull
Entries 54
Mean 107.7
Std Dev 0

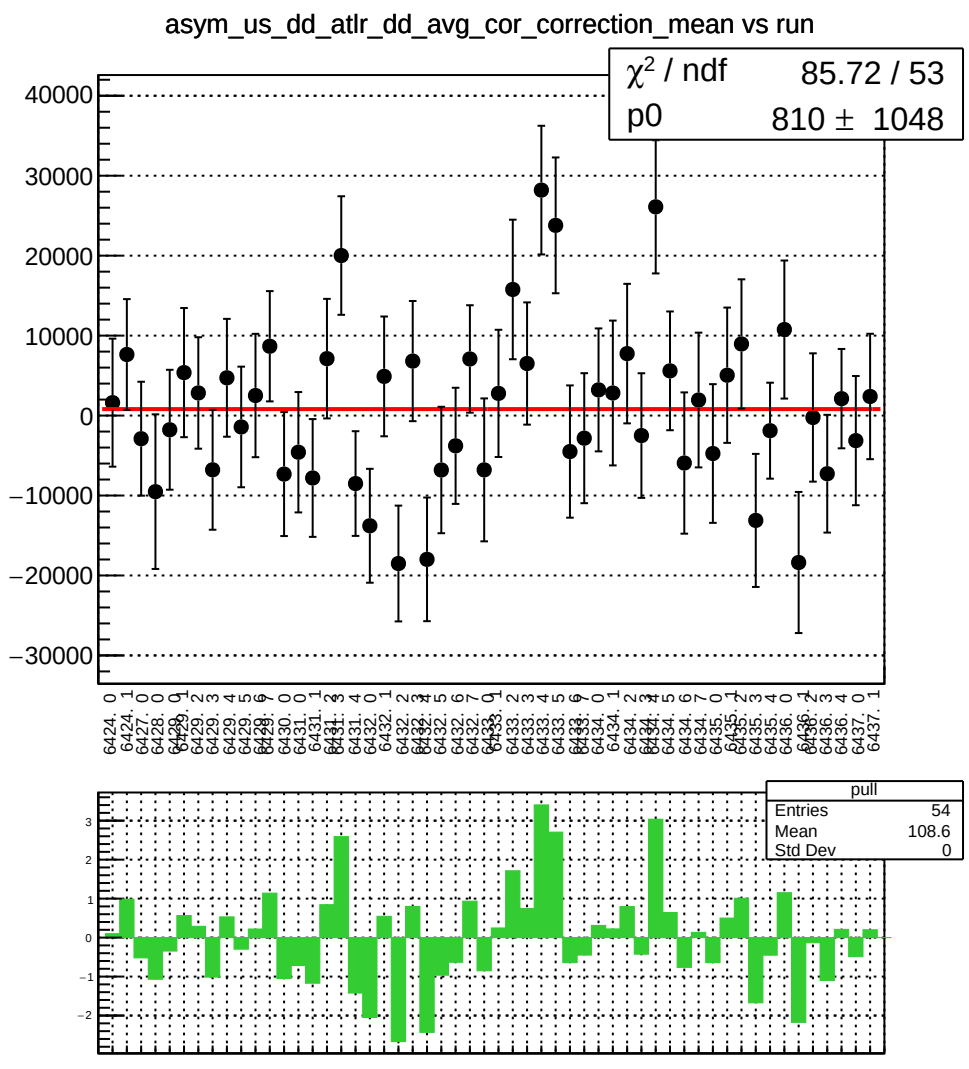

pull1D
Entries 54
Mean 0.008558
Std Dev 1.26

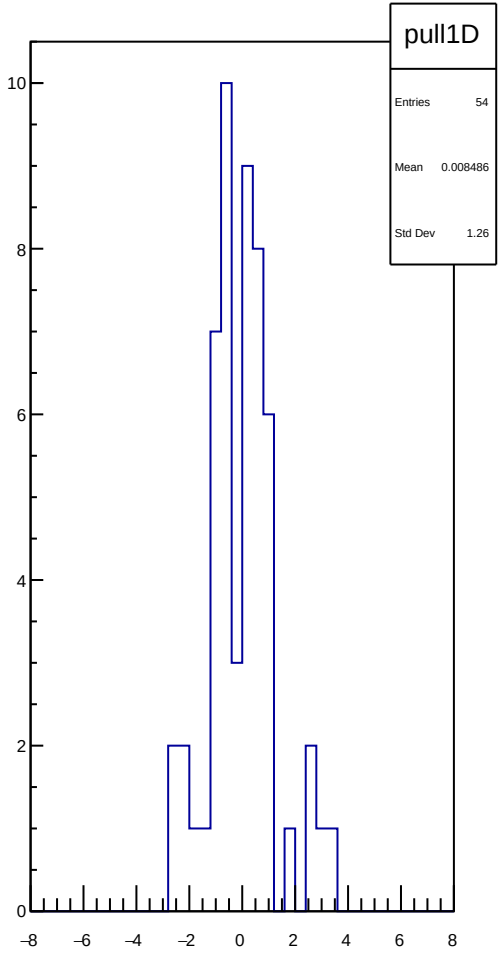

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4121 / 53
p0 747.7 ± 0.7409
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

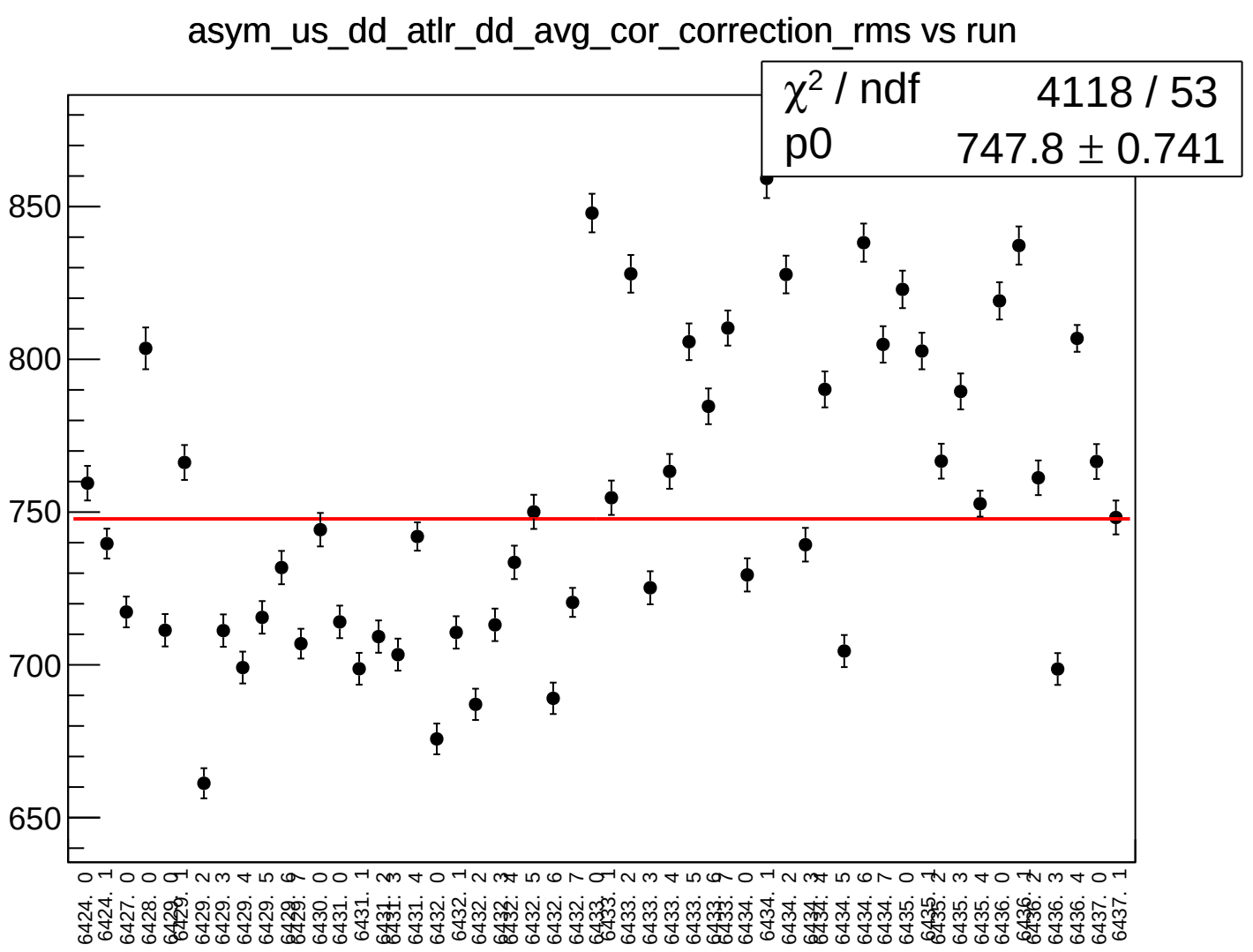

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.59 / 53
p0 1992 ± 2575
pull
Entries 54
Mean −113.9
Std Dev 0

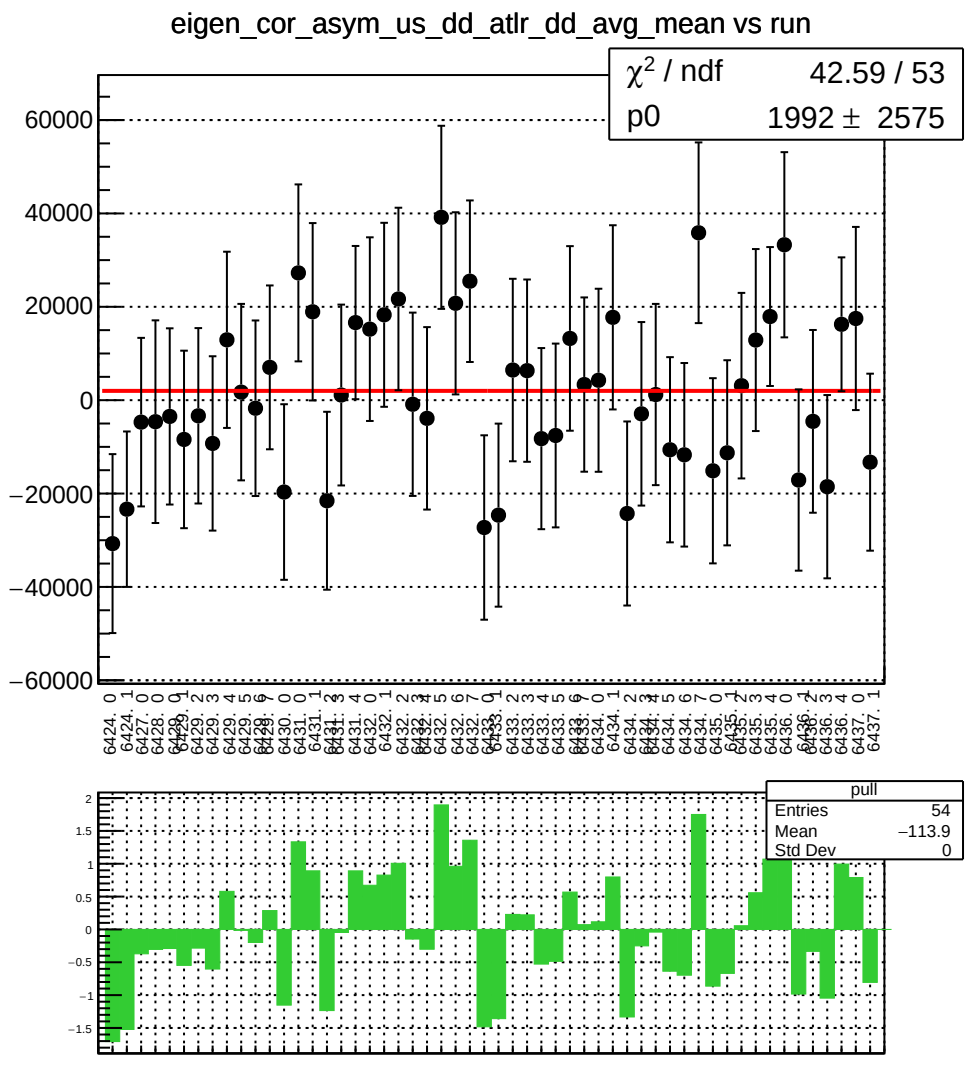

pull1D
Entries 54
Mean −0.01333
Std Dev 0.888

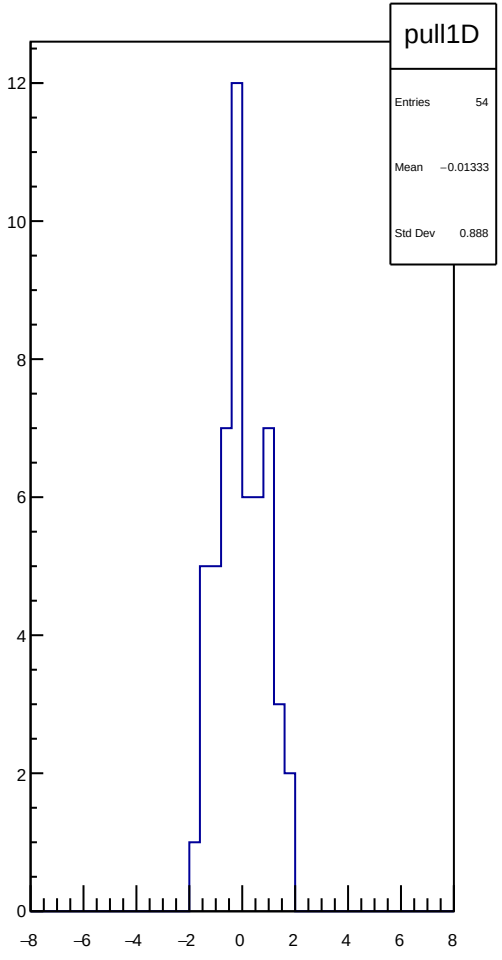

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 320.9 / 53
p0 1841 ± 1.821
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

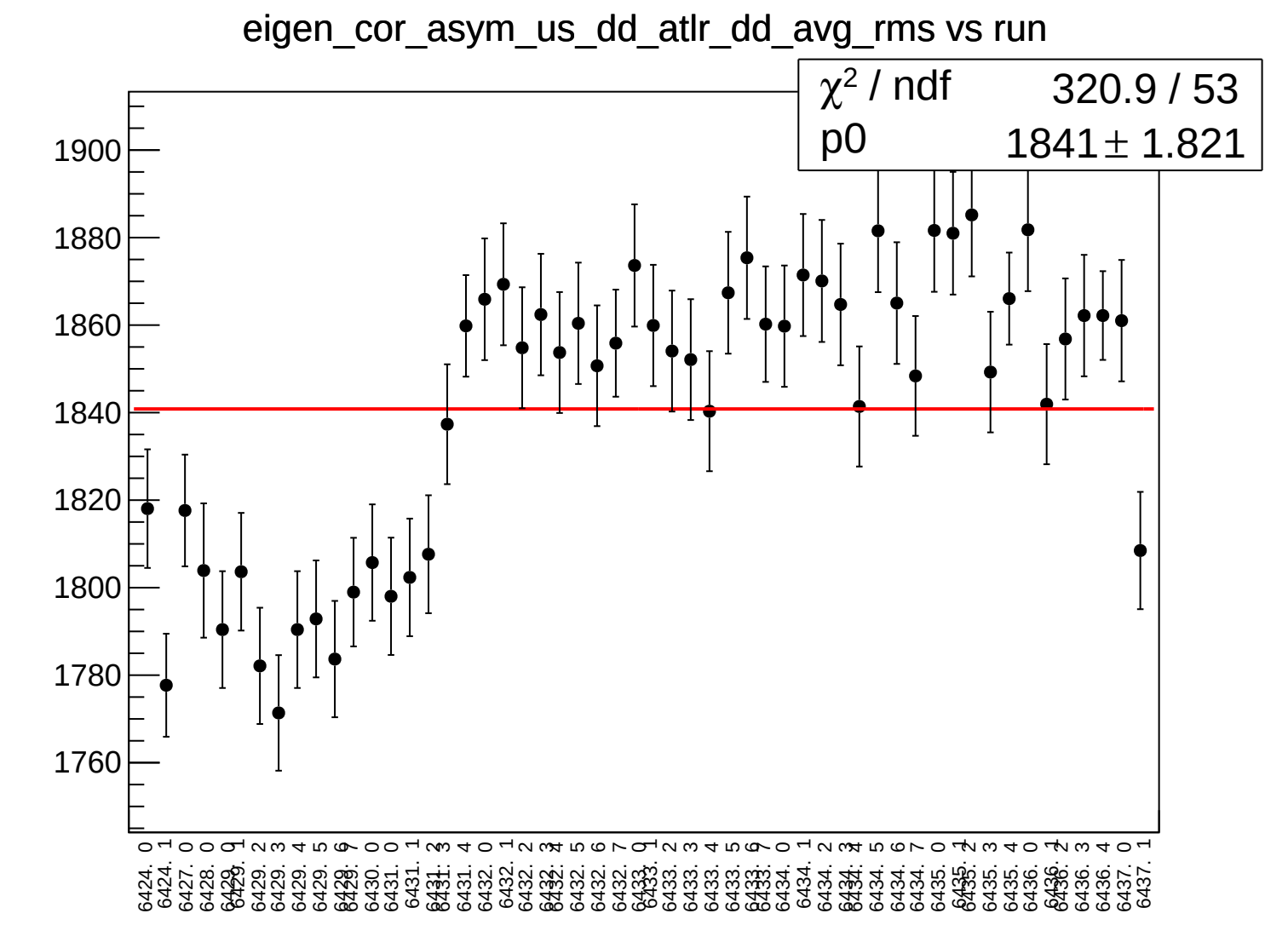

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 85.72 / 53
p0 810 ± 1048
pull
Entries 54
Mean 108.6
Std Dev 0

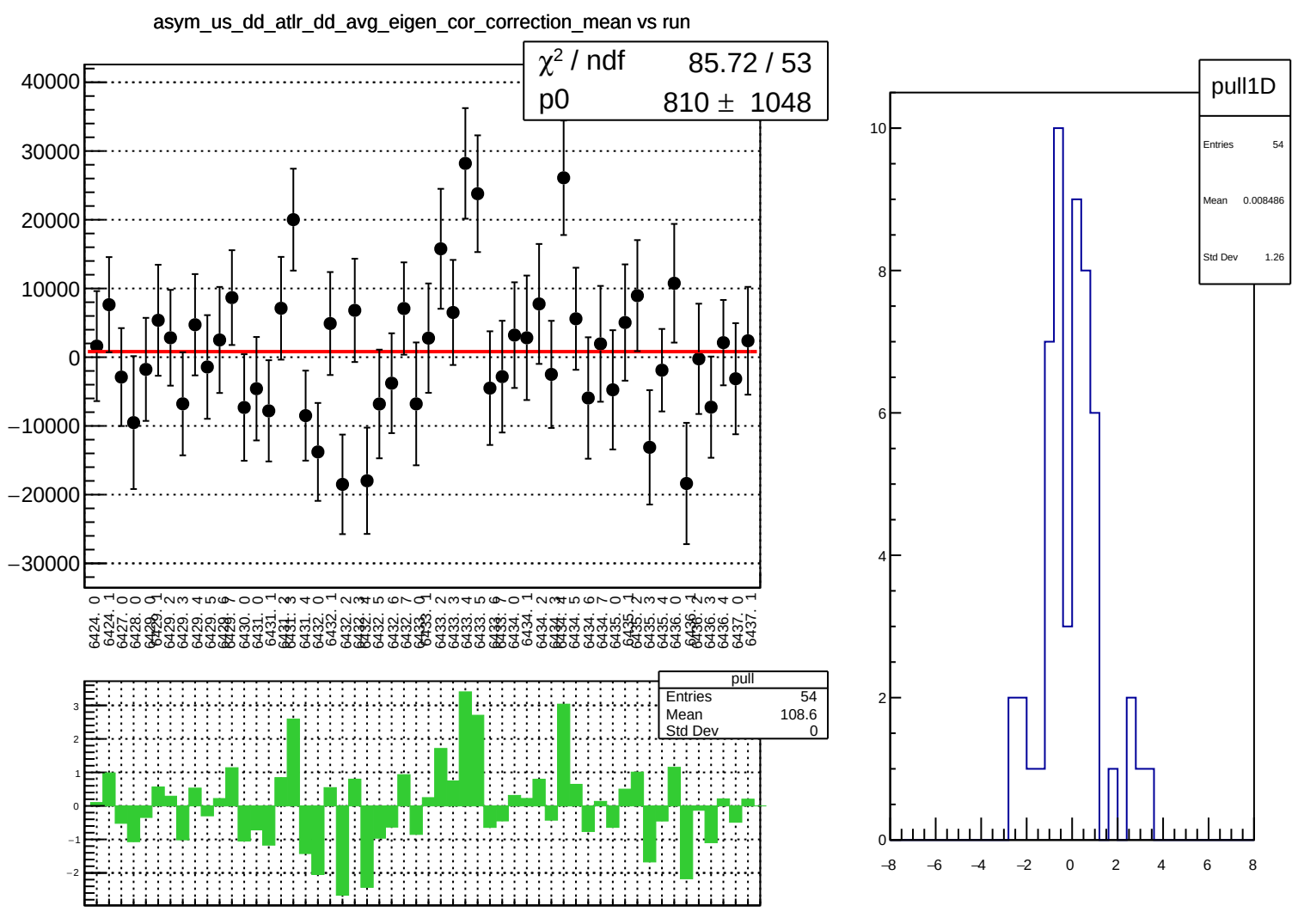

pull1D
Entries 54
Mean 0.008486
Std Dev 1.26

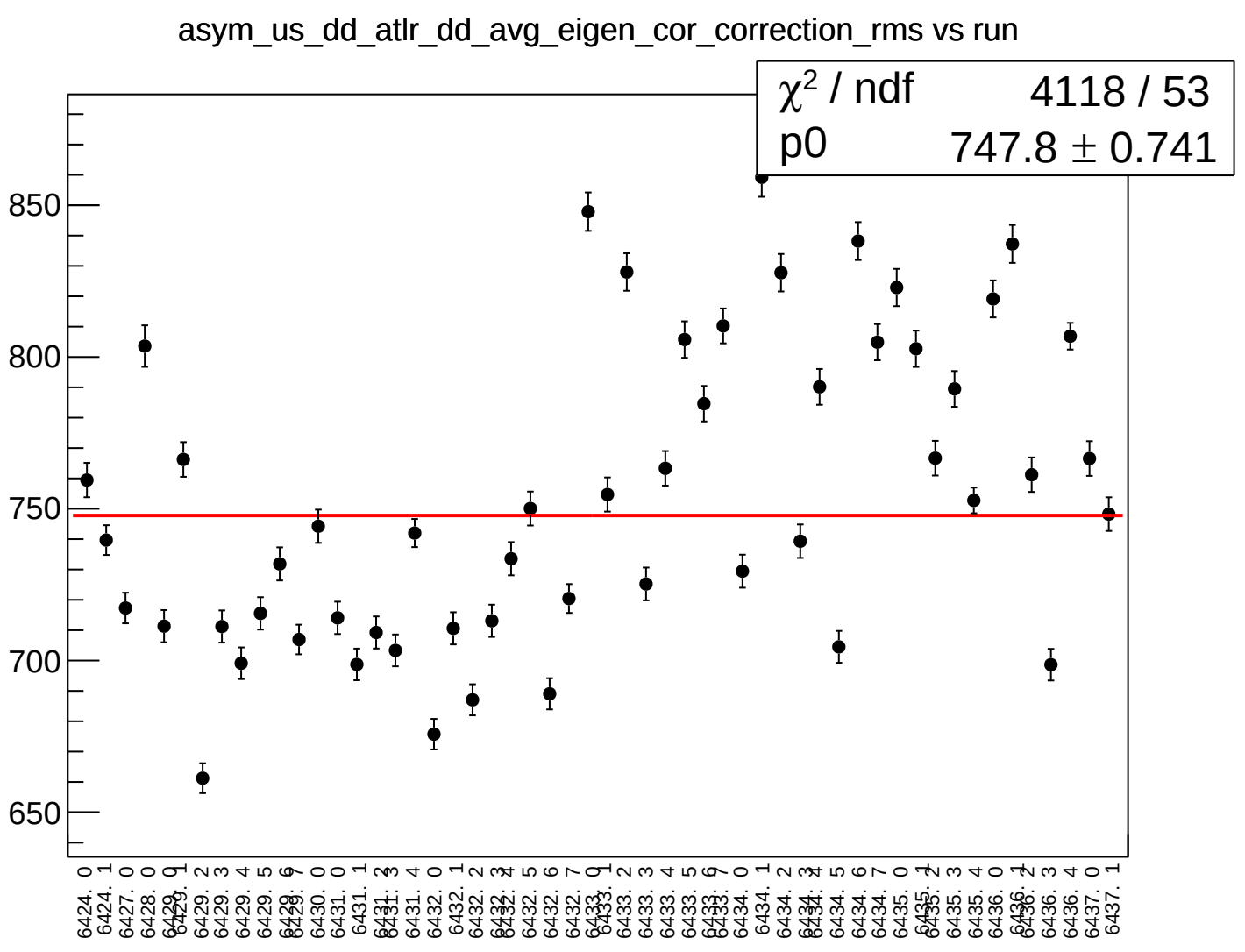

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4118 / 53
p0 747.8 ± 0.741
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

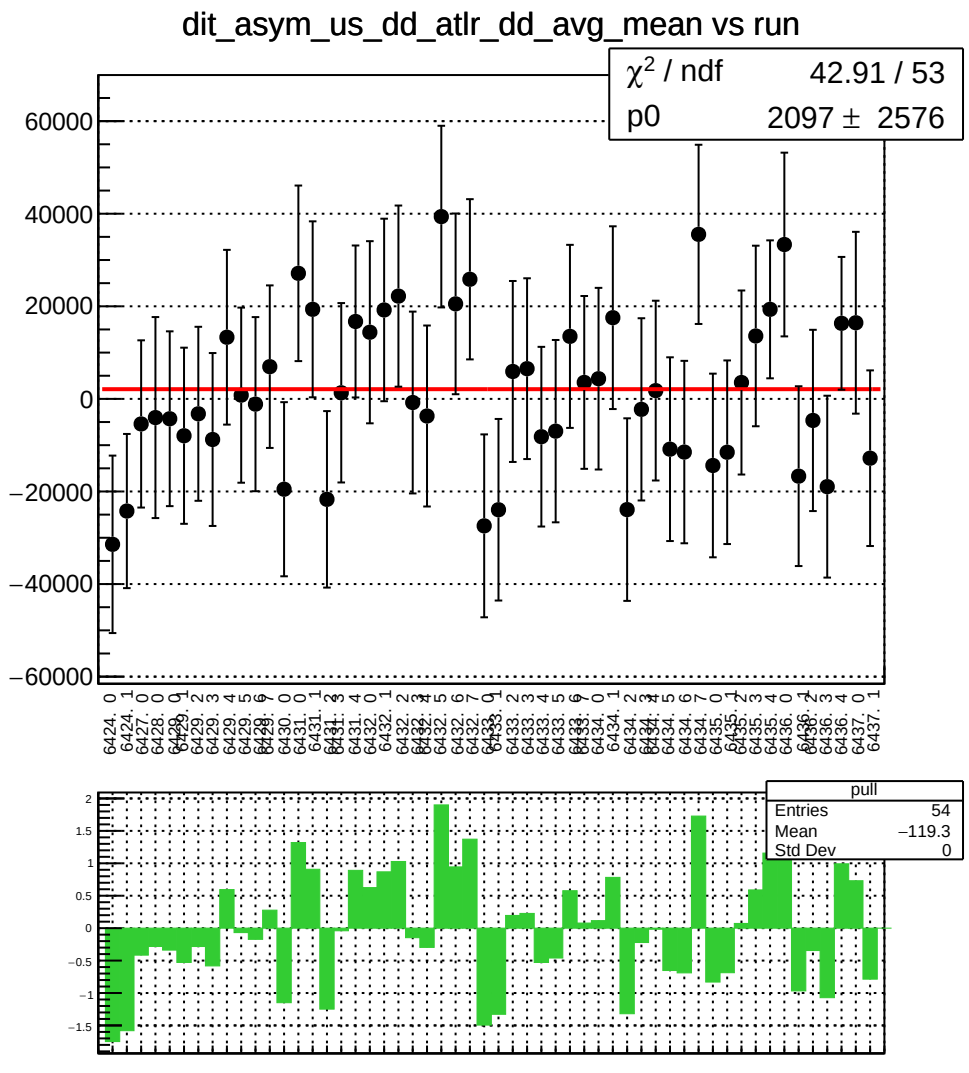

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.59 / 53
p0 1992 ± 2575
pull
Entries 54
Mean −113.9
Std Dev 0

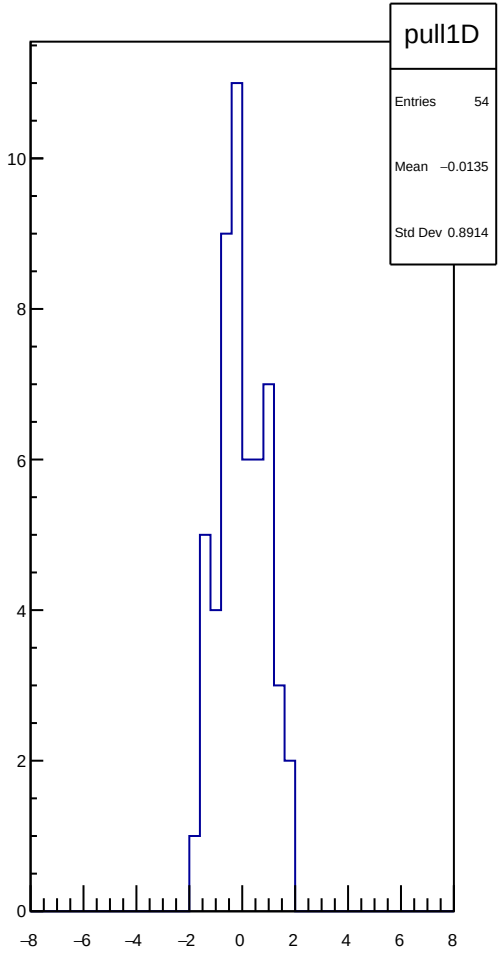

pull1D
Entries 54
Mean −0.01333
Std Dev 0.888

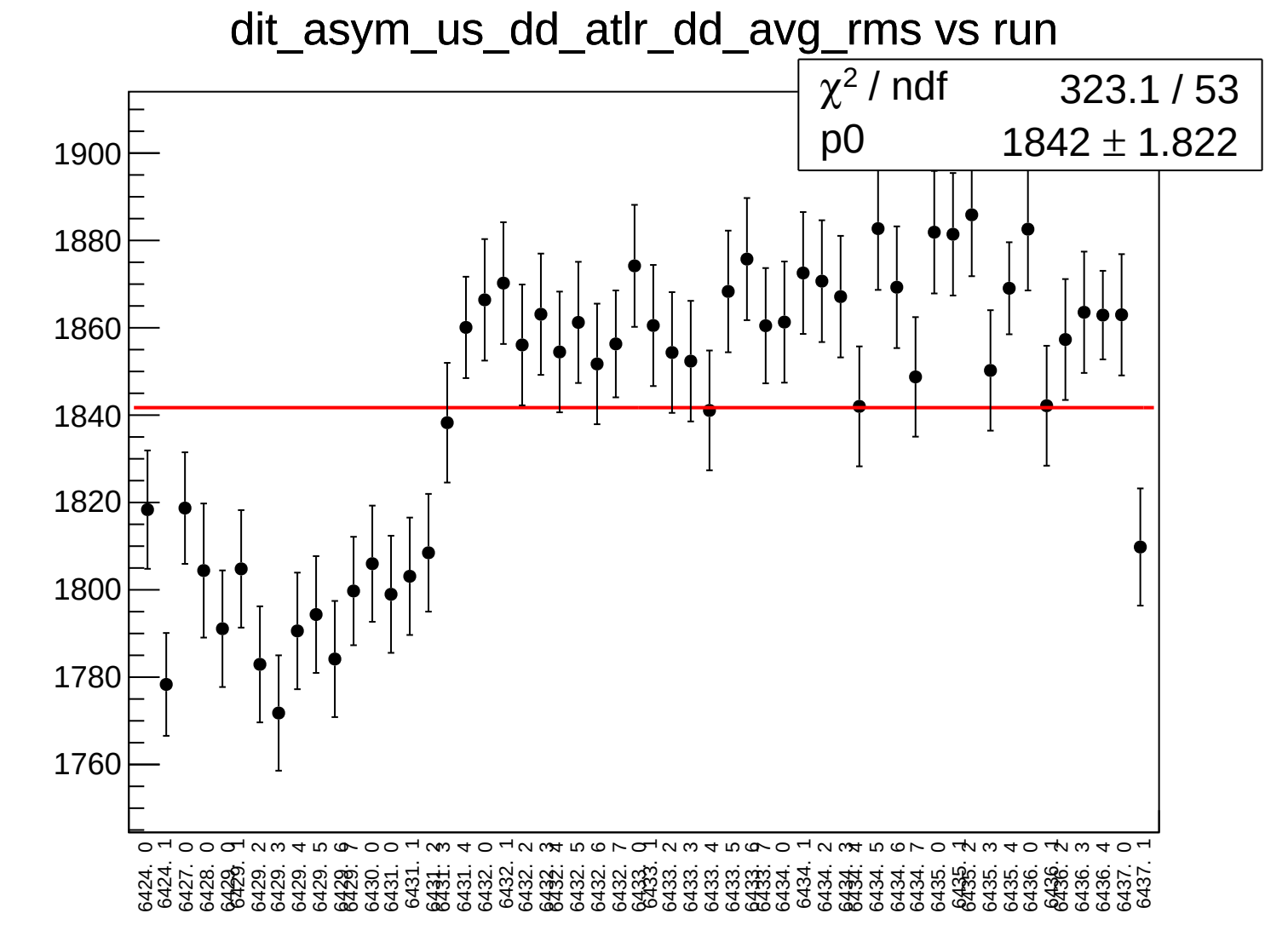

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 320.9 / 53
p0 1841 ± 1.821
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

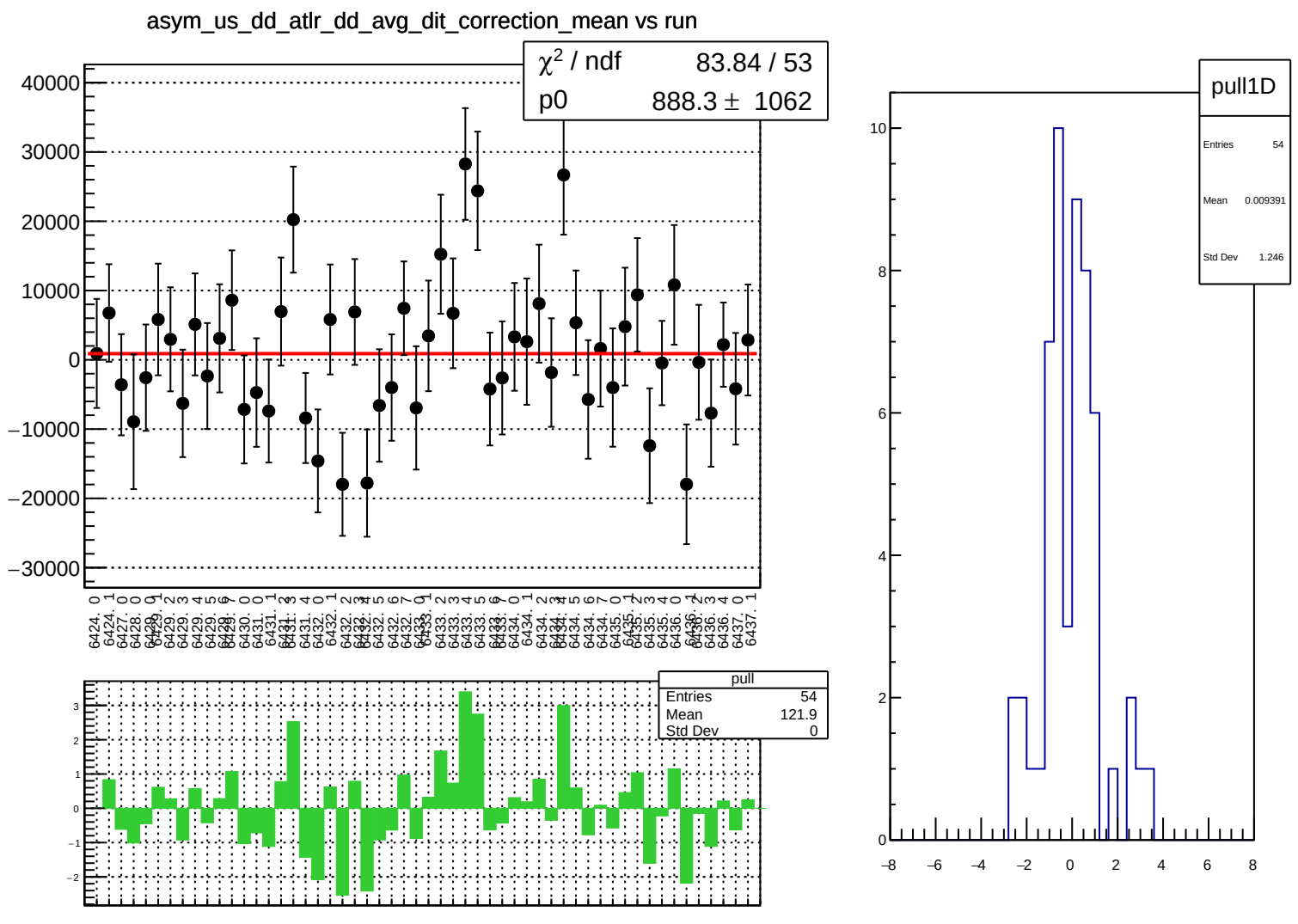

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.72 / 53
p0 810 ± 1048
pull
Entries 54
Mean 108.6
Std Dev 0
pull1D
Entries 54
Mean 0.008486
Std Dev 1.26

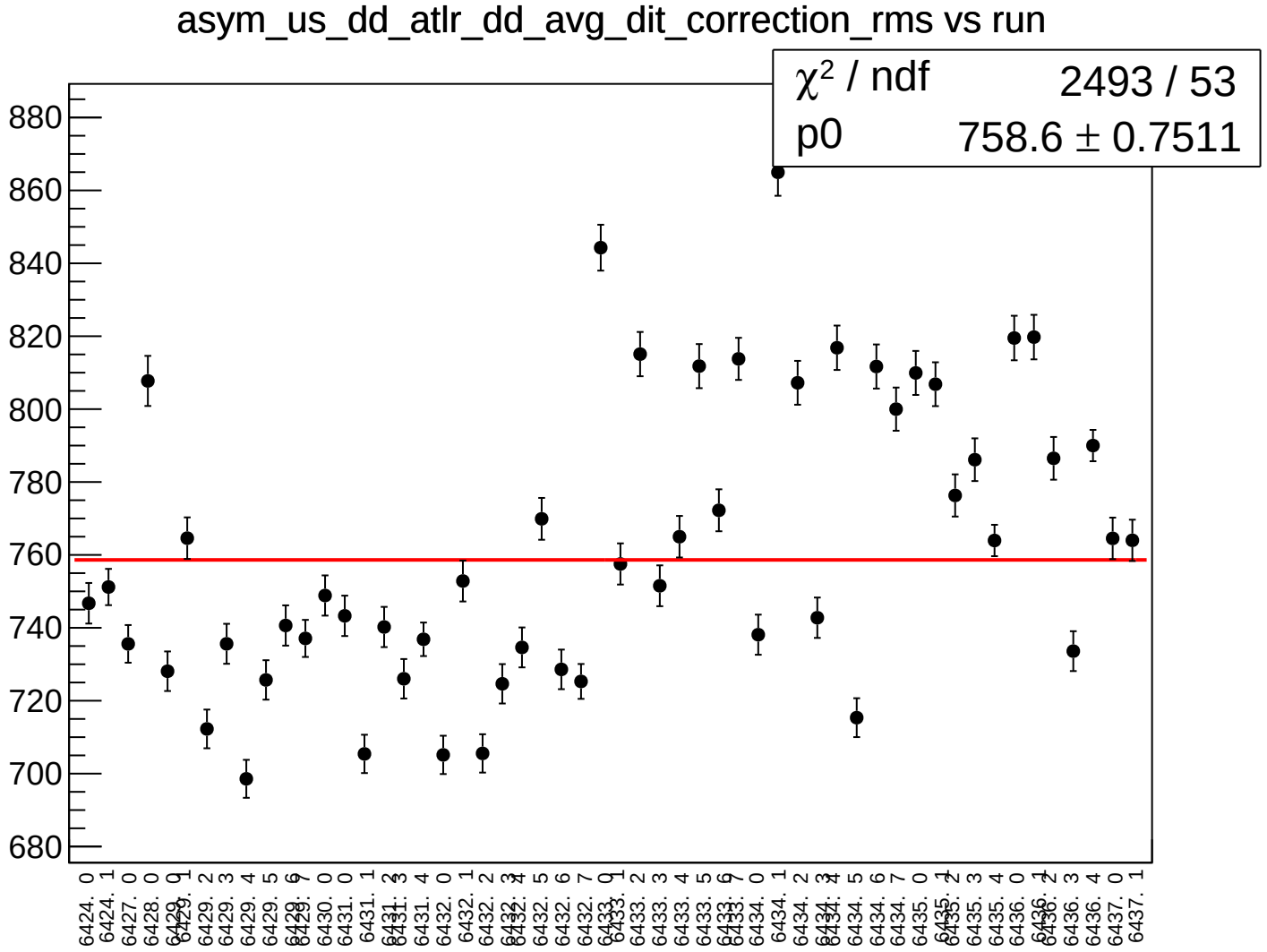

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4118 / 53
p0 747.8 ± 0.741
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

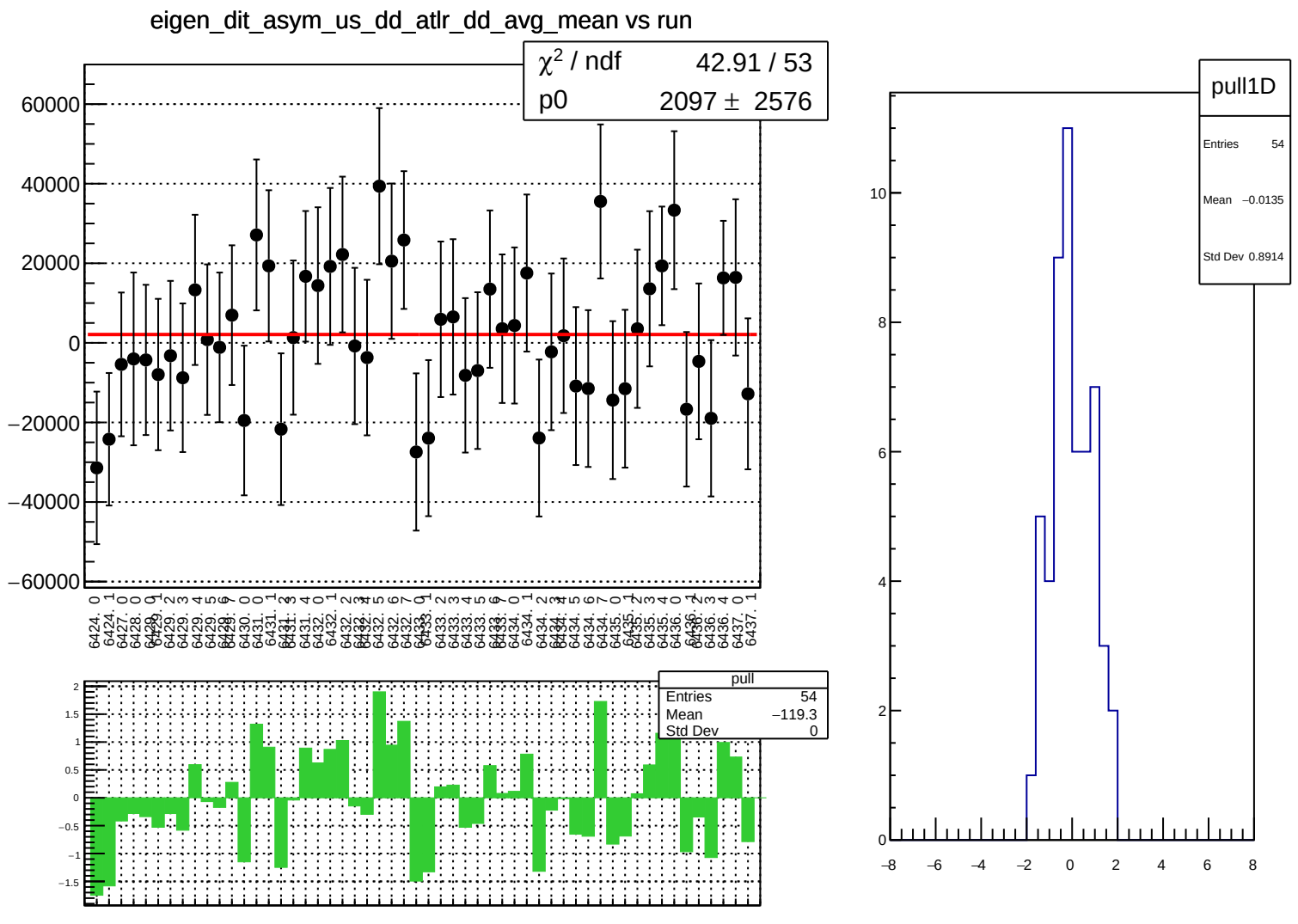

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.91 / 53
p0 2097 ± 2576
pull
Entries 54
Mean −119.3
Std Dev 0

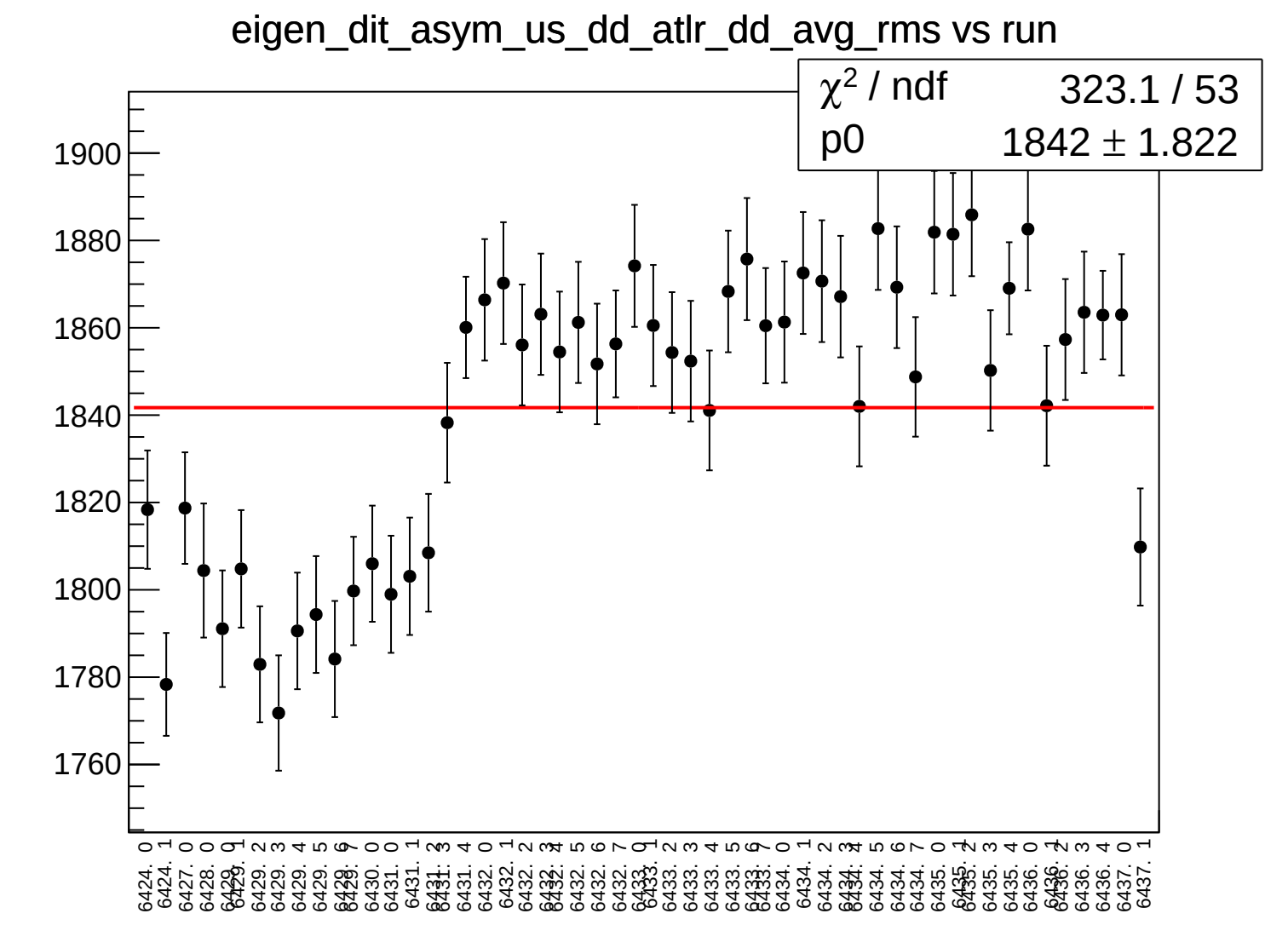

pull1D
Entries 54
Mean −0.0135
Std Dev 0.8914

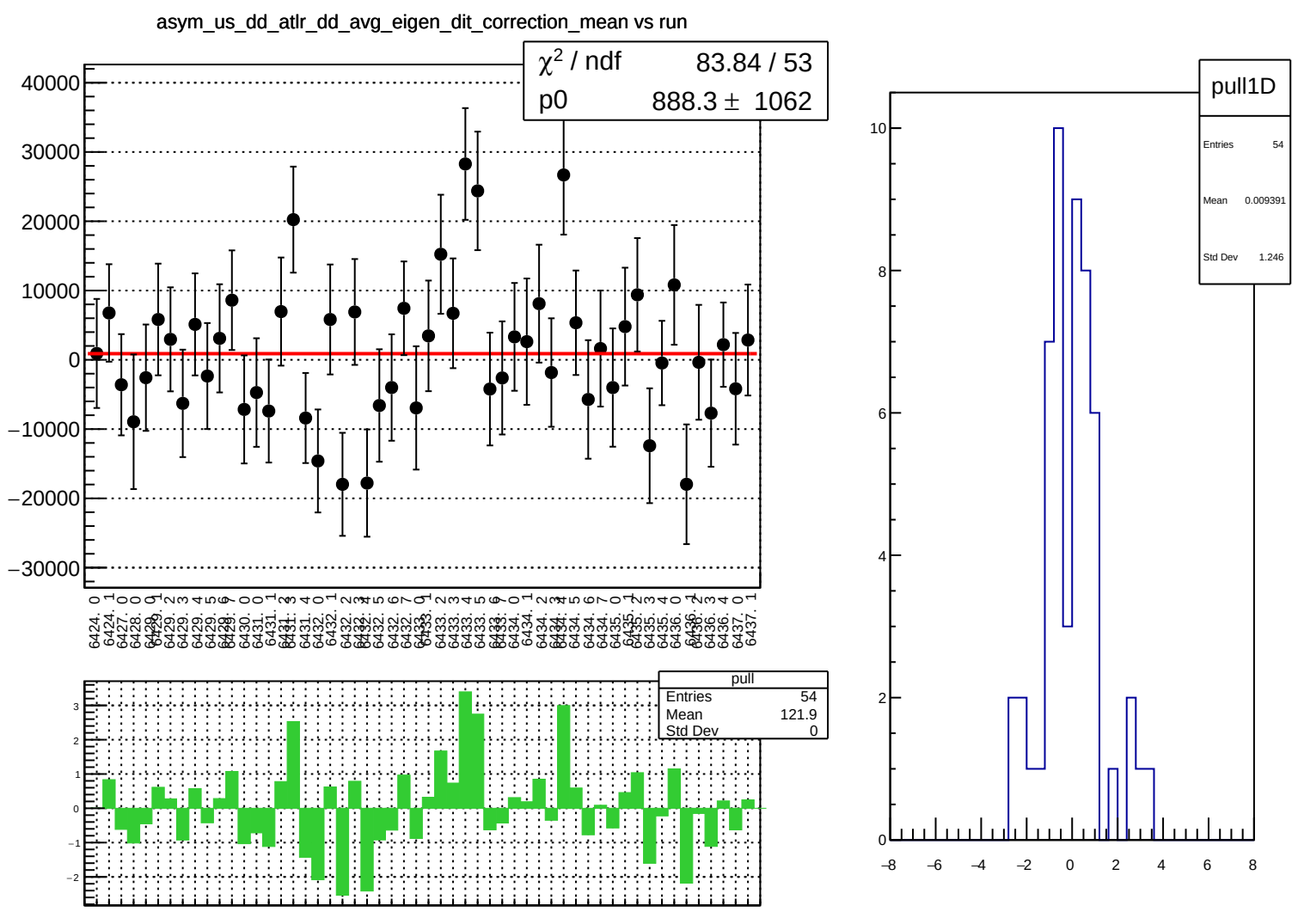

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 323.1 / 53
p0 1842 ± 1.822
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

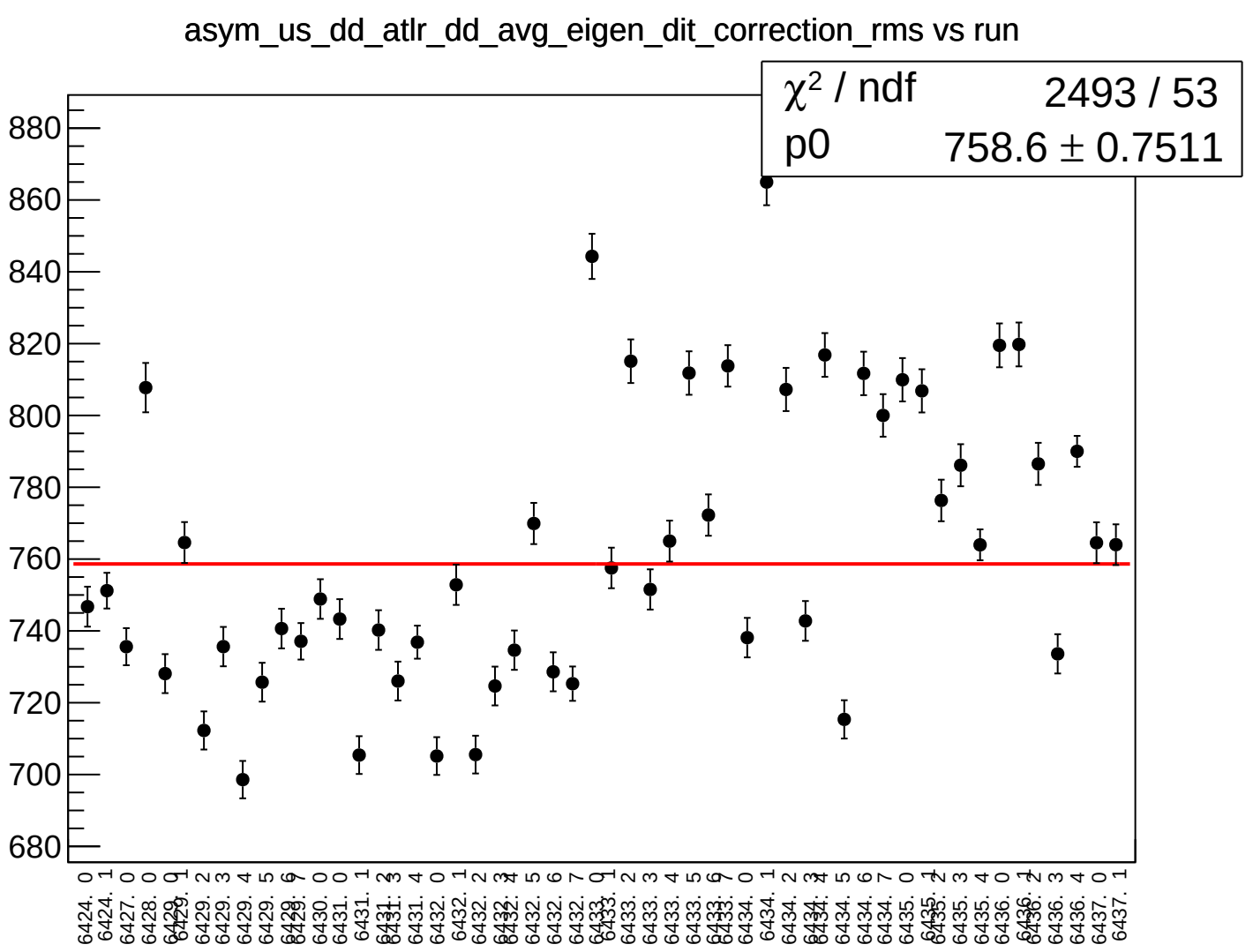

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 83.84 / 53
p0 888.3 ± 1062
pull
Entries 54
Mean 121.9
Std Dev 0
pull1D
Entries 54
Mean 0.009391
Std Dev 1.246

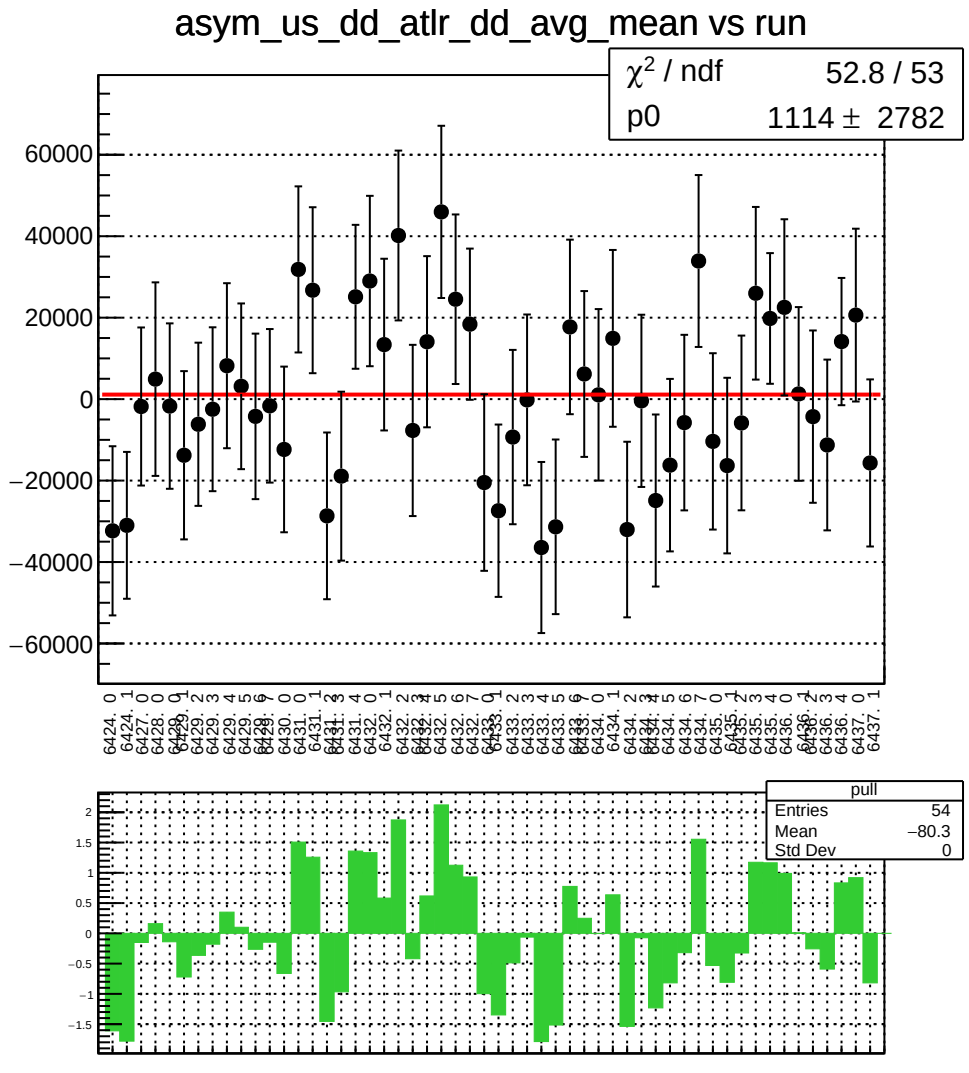

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 2493 / 53
p0 758.6 ± 0.7511
880
860
840
820
800
780
760
740
720
700
680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

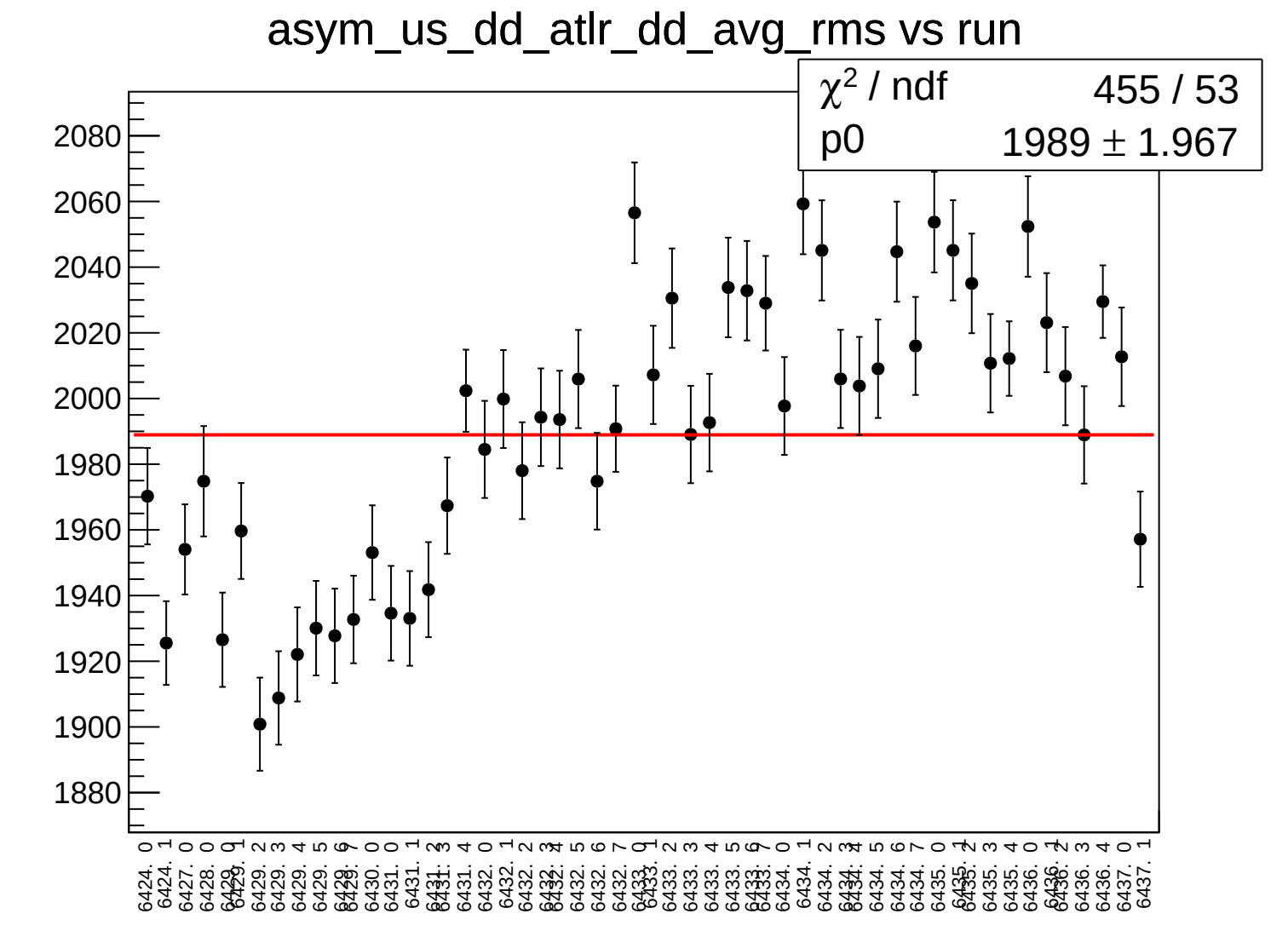

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 42.91 / 53
p0 2097 ± 2576
pull
Entries 54
Mean −119.3
Std Dev 0
pull1D
Entries 54
Mean −0.0135
Std Dev 0.8914

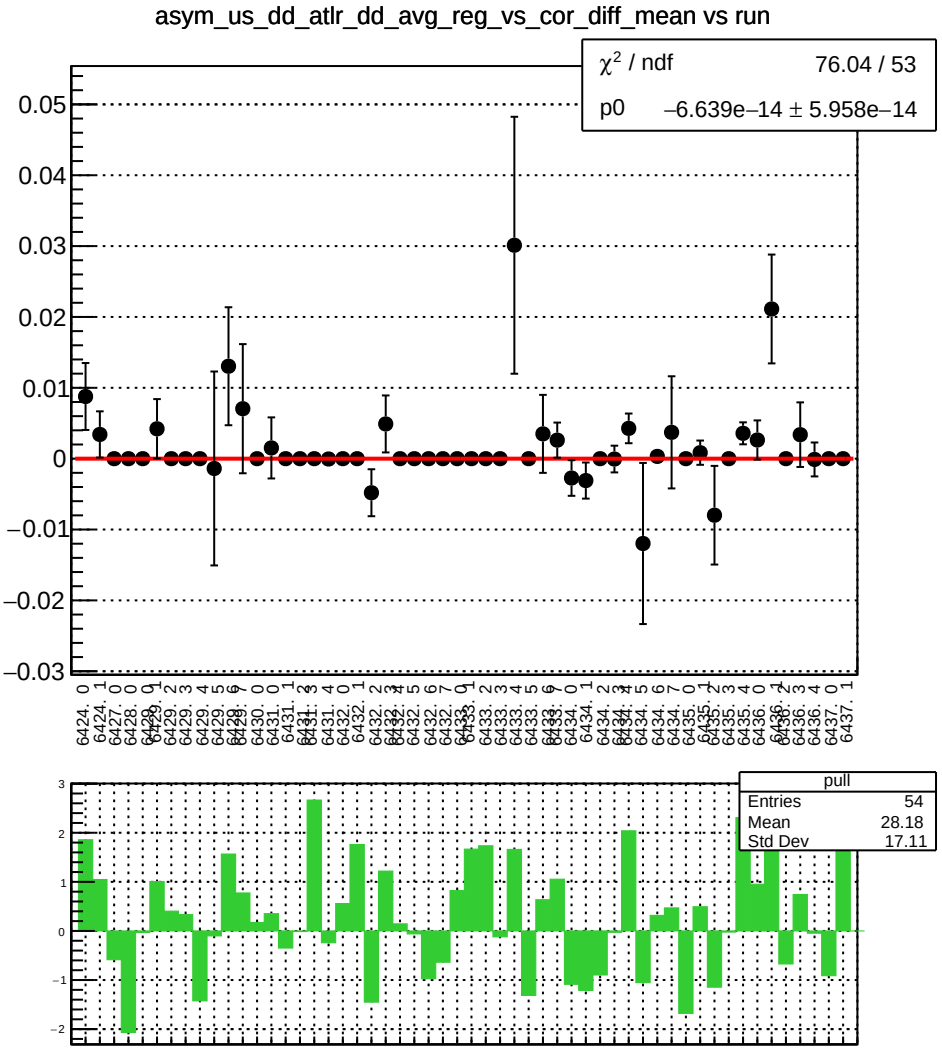

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 323.1 / 53
p0 1842 ± 1.822
1900
1880
1860
1840
1820
1800
1780
1760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

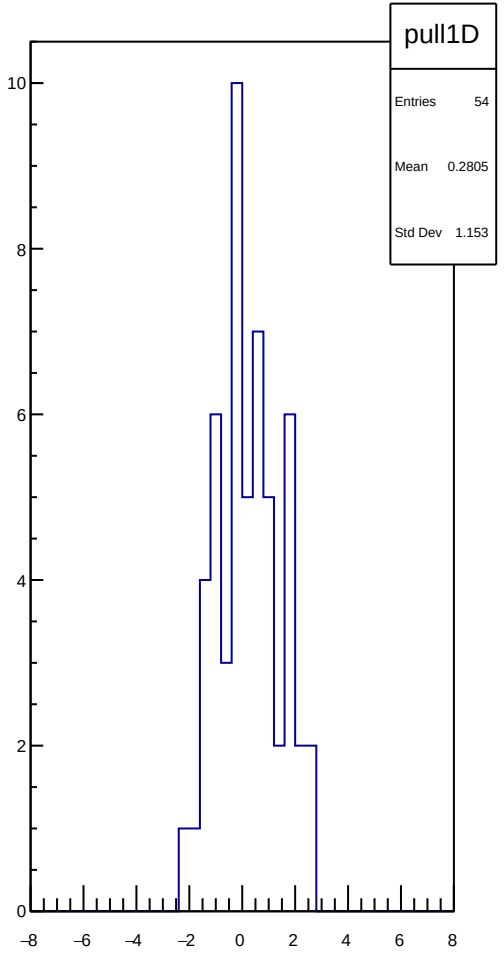

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.84 / 53
p0 888.3 ± 1062
pull
Entries 54
Mean 121.9
Std Dev 0
pull1D
Entries 54
Mean 0.009391
Std Dev 1.246

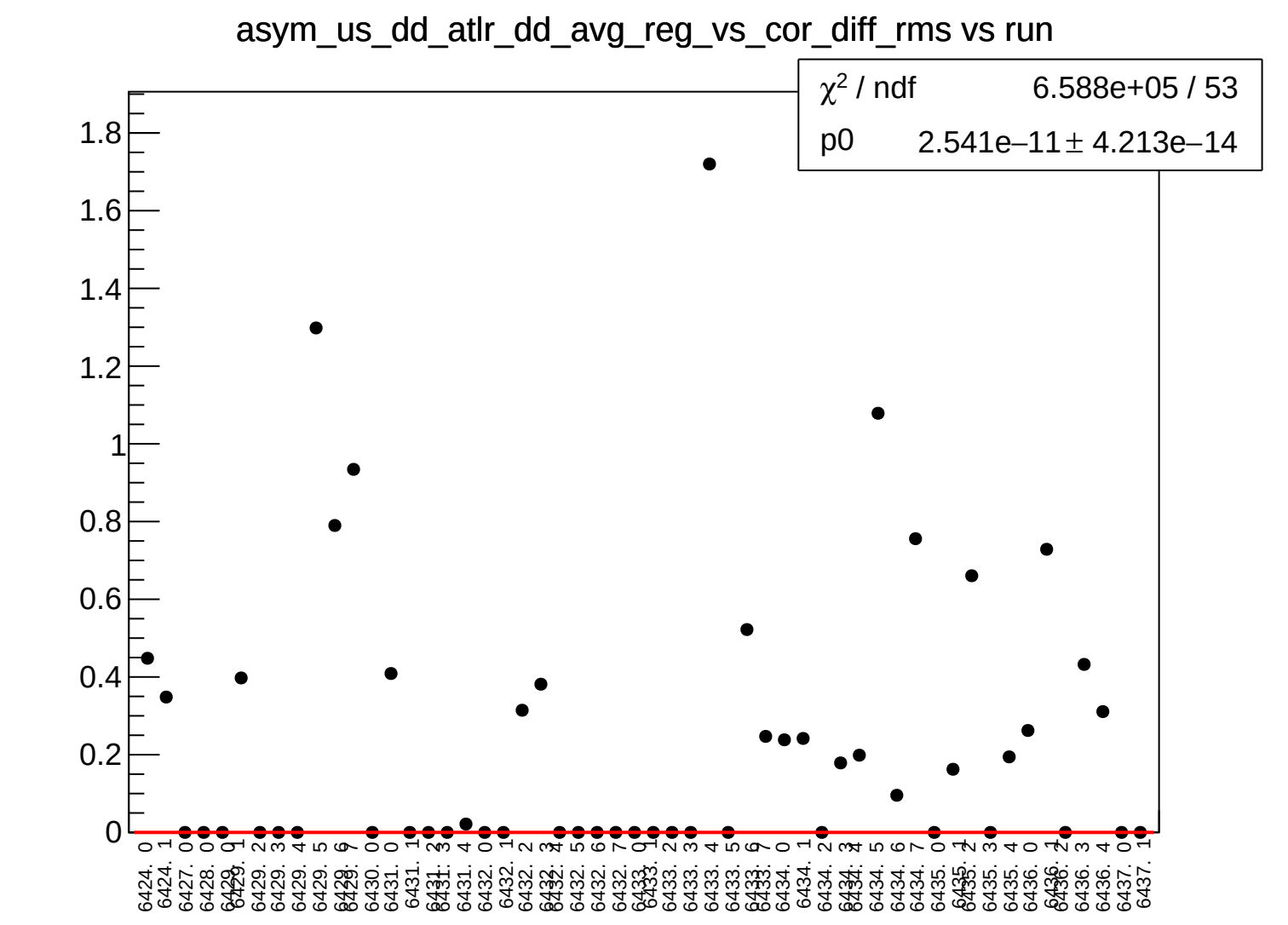

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2493 / 53
p0 758.6 ± 0.7511
880
860
840
820
800
780
760
740
720
700
680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

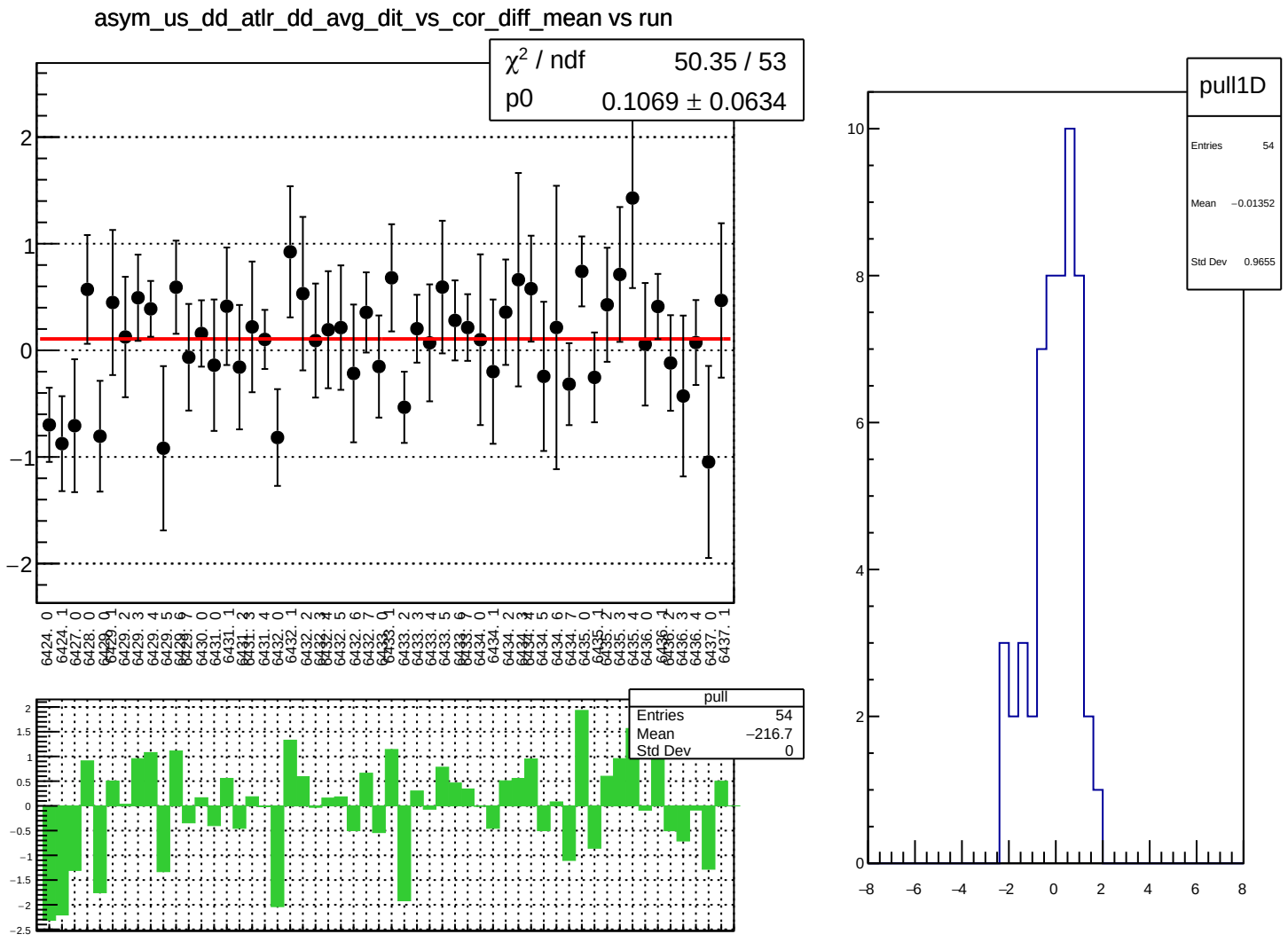

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 52.8 / 53
p0 1114 ± 2782
pull
Entries 54
Mean −80.3
Std Dev 0
pull1D
Entries 54
Mean −0.01369
Std Dev 0.9887

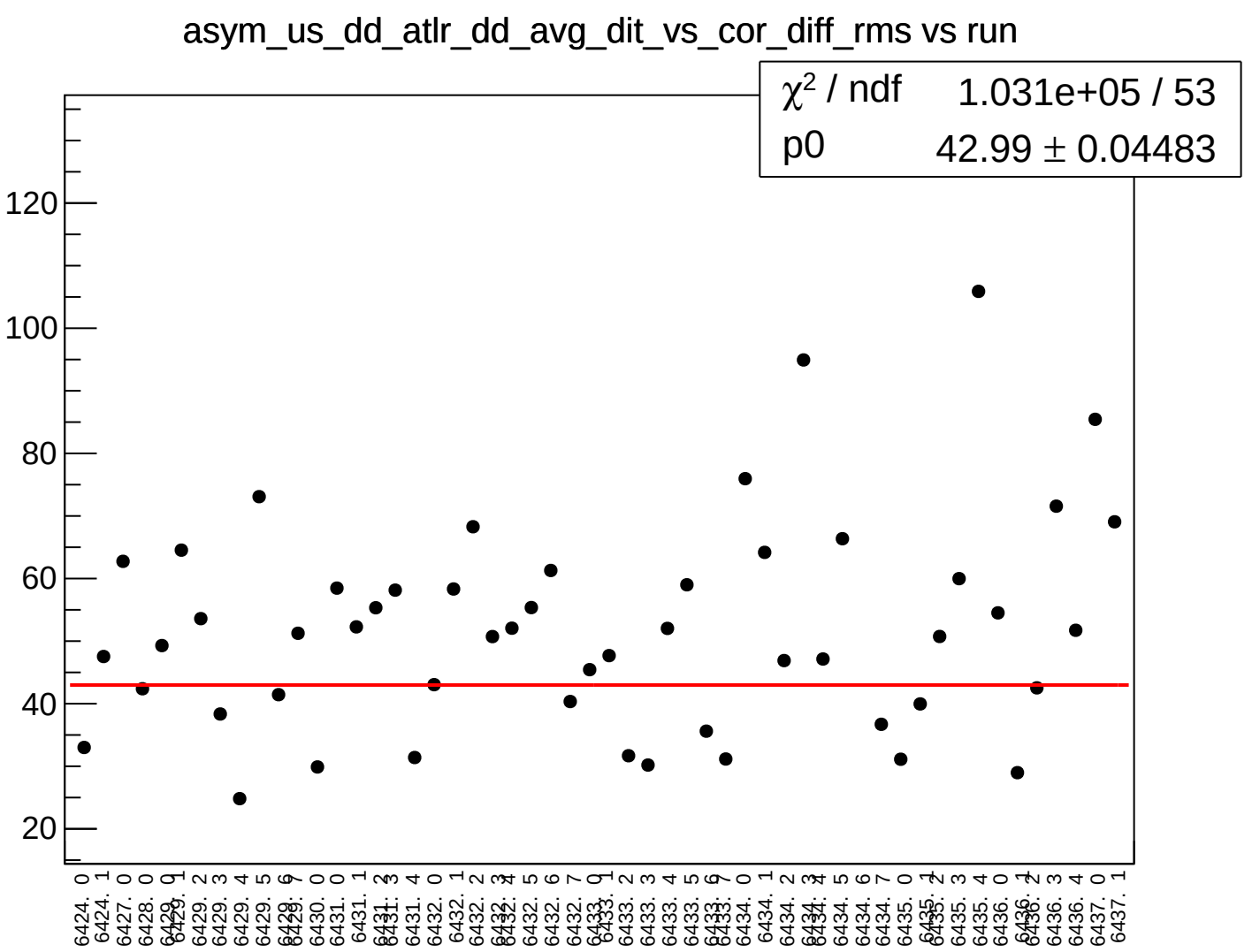

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 455 / 53
p0 1989 ± 1.967
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

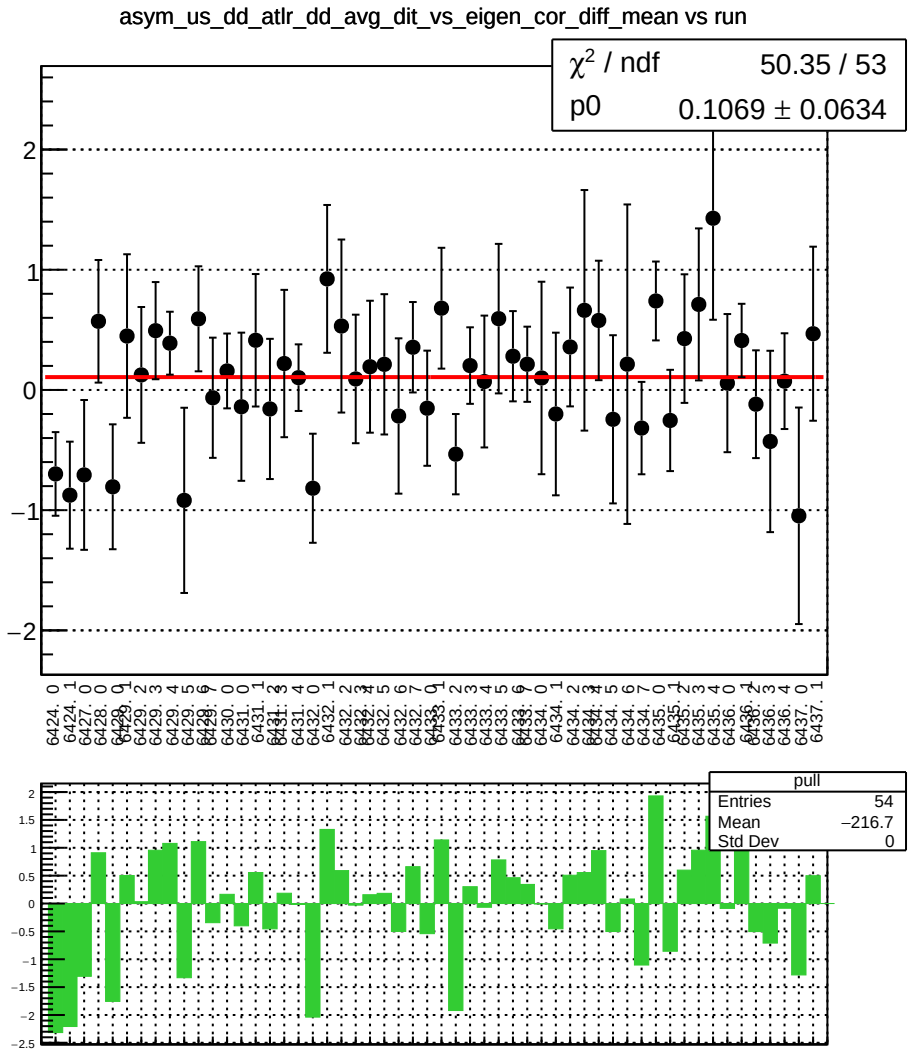

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.04 / 53
p0 −6.639e−14 ± 5.958e−14
pull
Entries 54
Mean 28.18
Std Dev 17.11

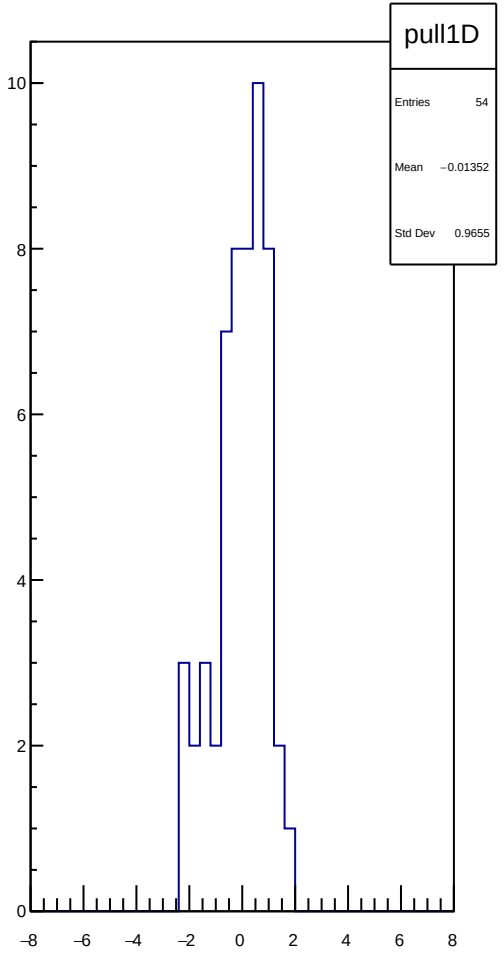

pull1D
Entries 54
Mean 0.2805
Std Dev 1.153

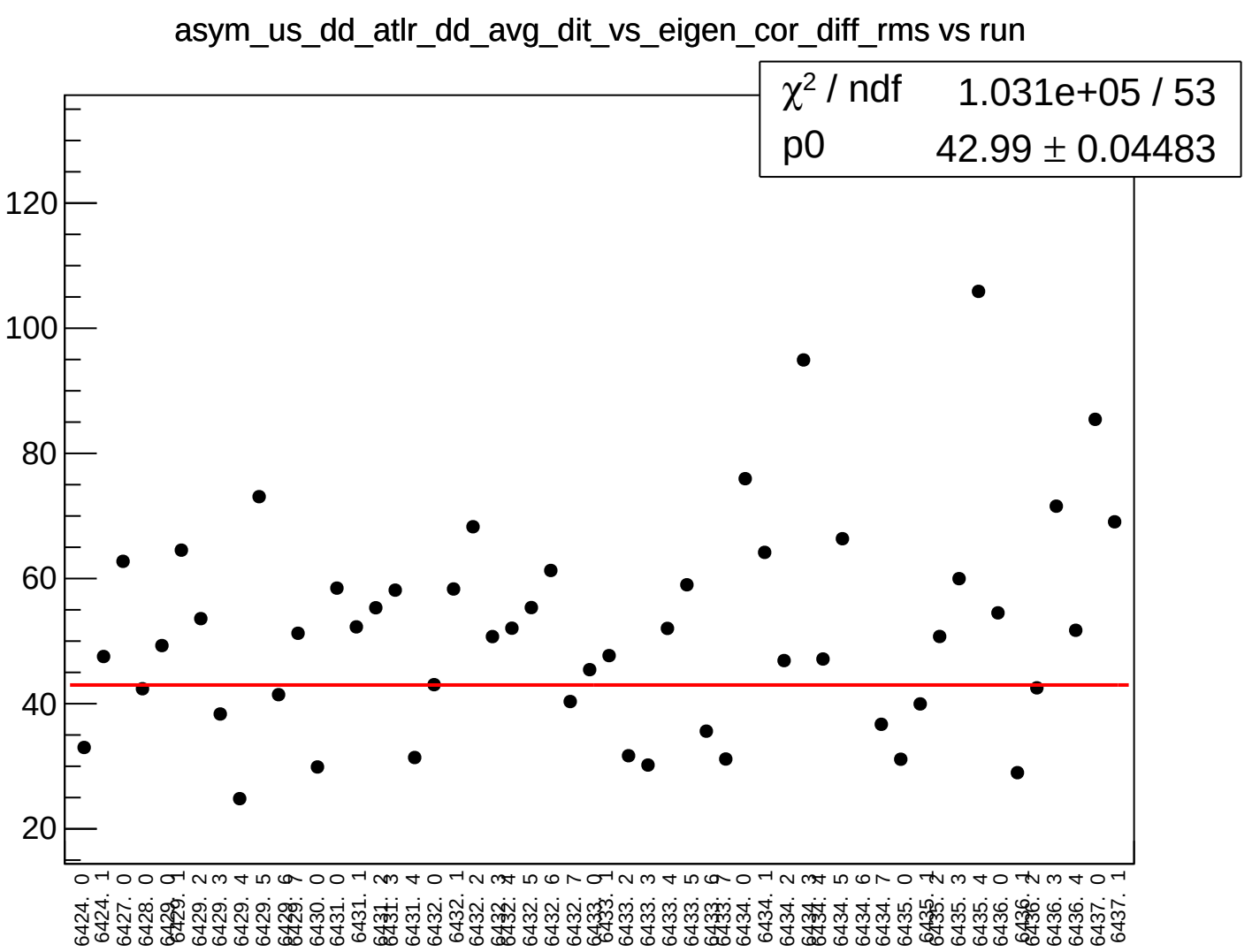

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.588e+05 / 53
p0 2.541e−11 ± 4.213e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

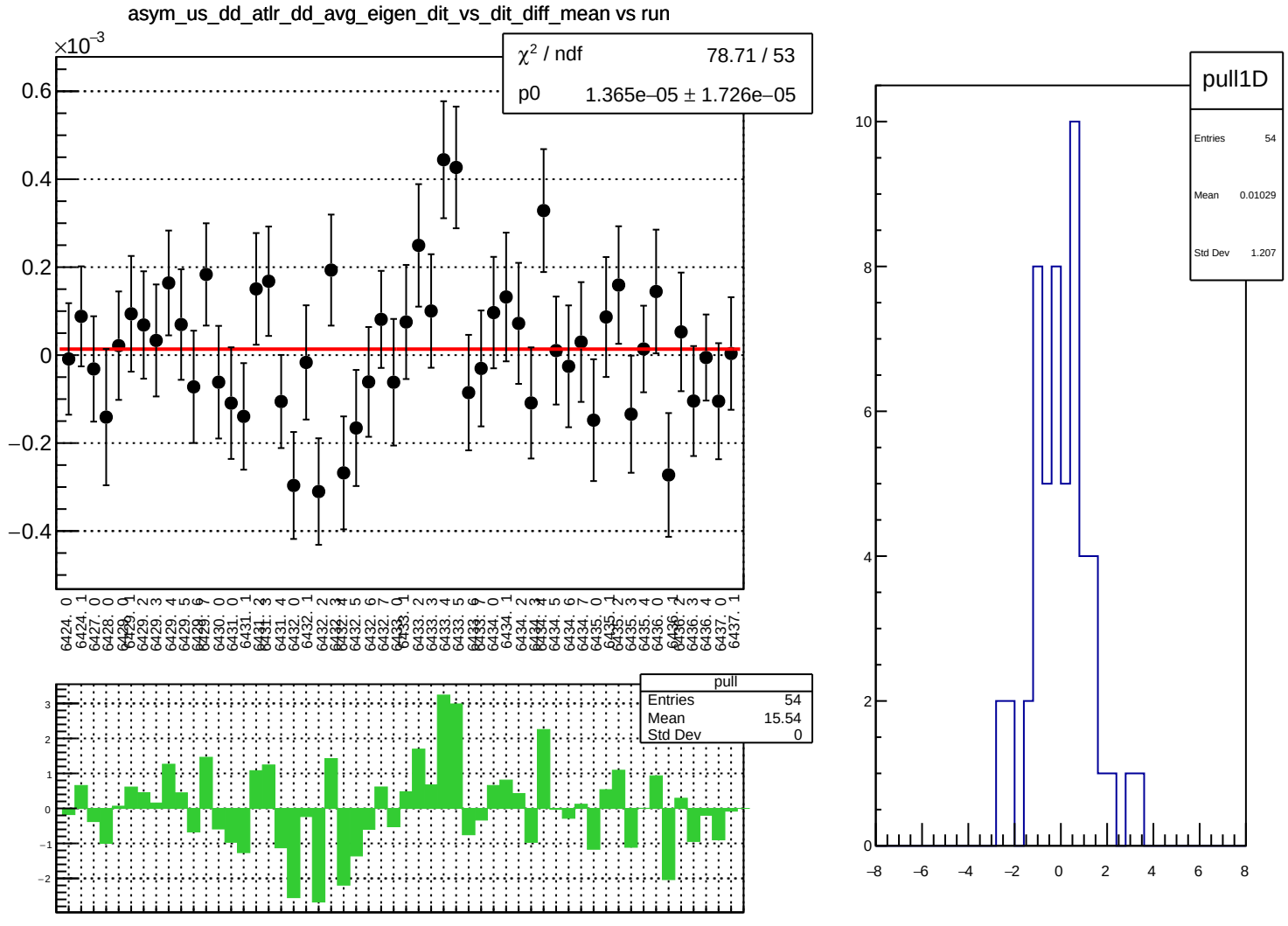

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1069 ± 0.0634
pull
Entries 54
Mean −216.7
Std Dev 0
pull1D
Entries 54
Mean −0.01352
Std Dev 0.9655

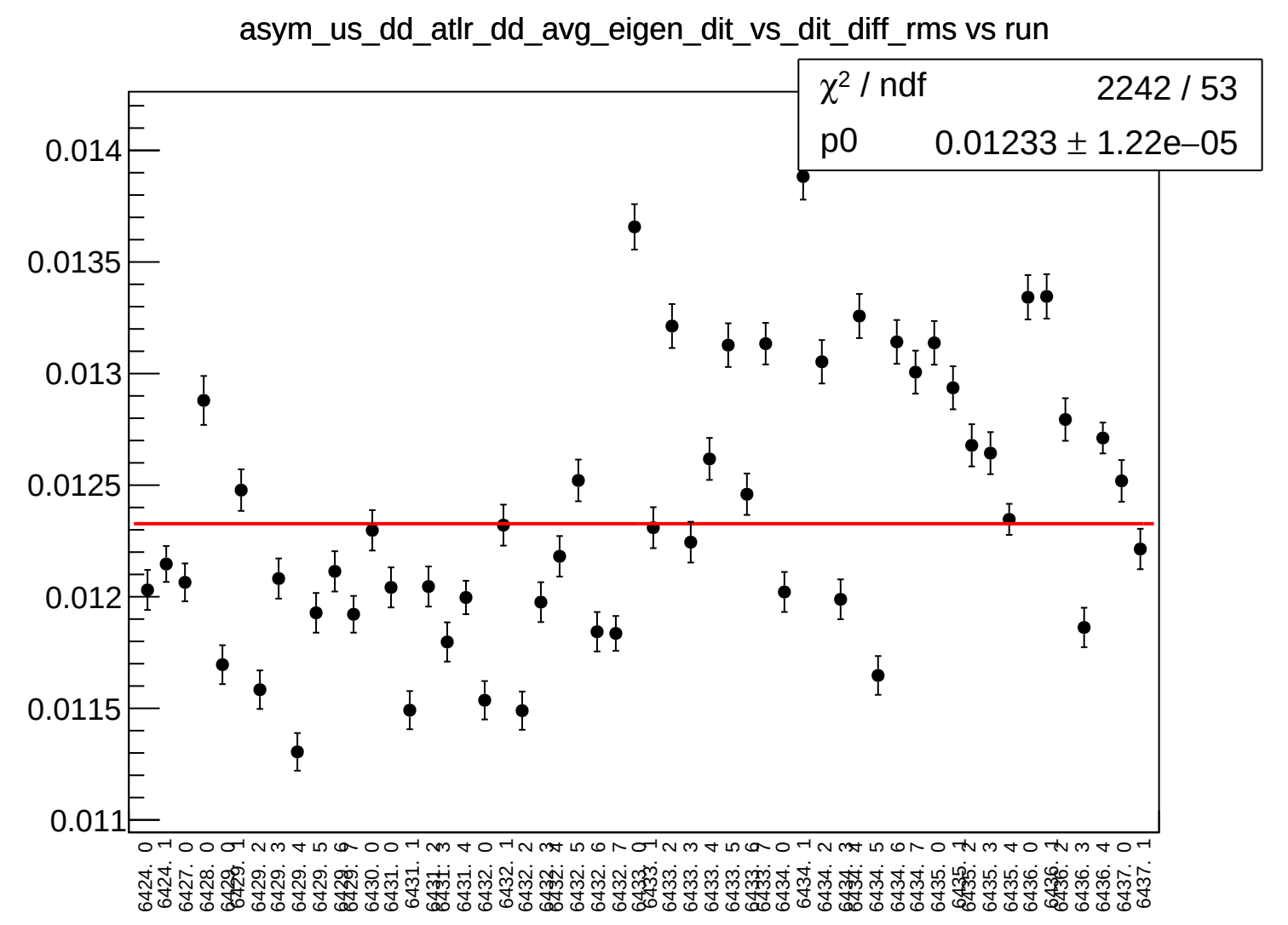

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 42.99 ± 0.04483
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

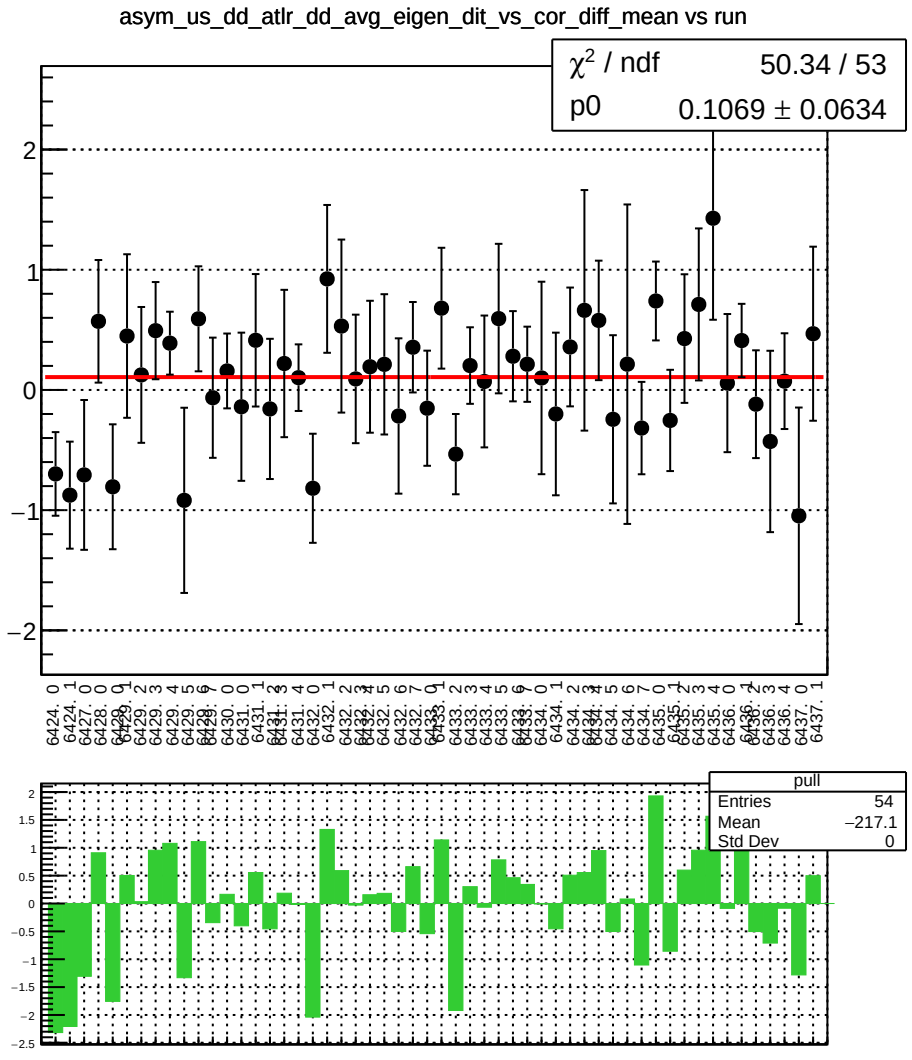

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.35 / 53
p0 0.1069 ± 0.0634
pull
Entries 54
Mean −216.7
Std Dev 0

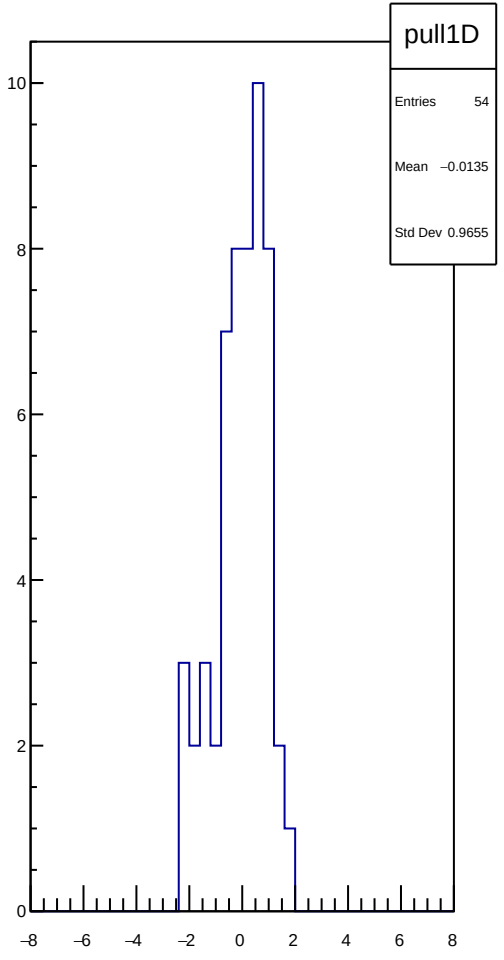

pull1D
Entries 54
Mean −0.01352
Std Dev 0.9655

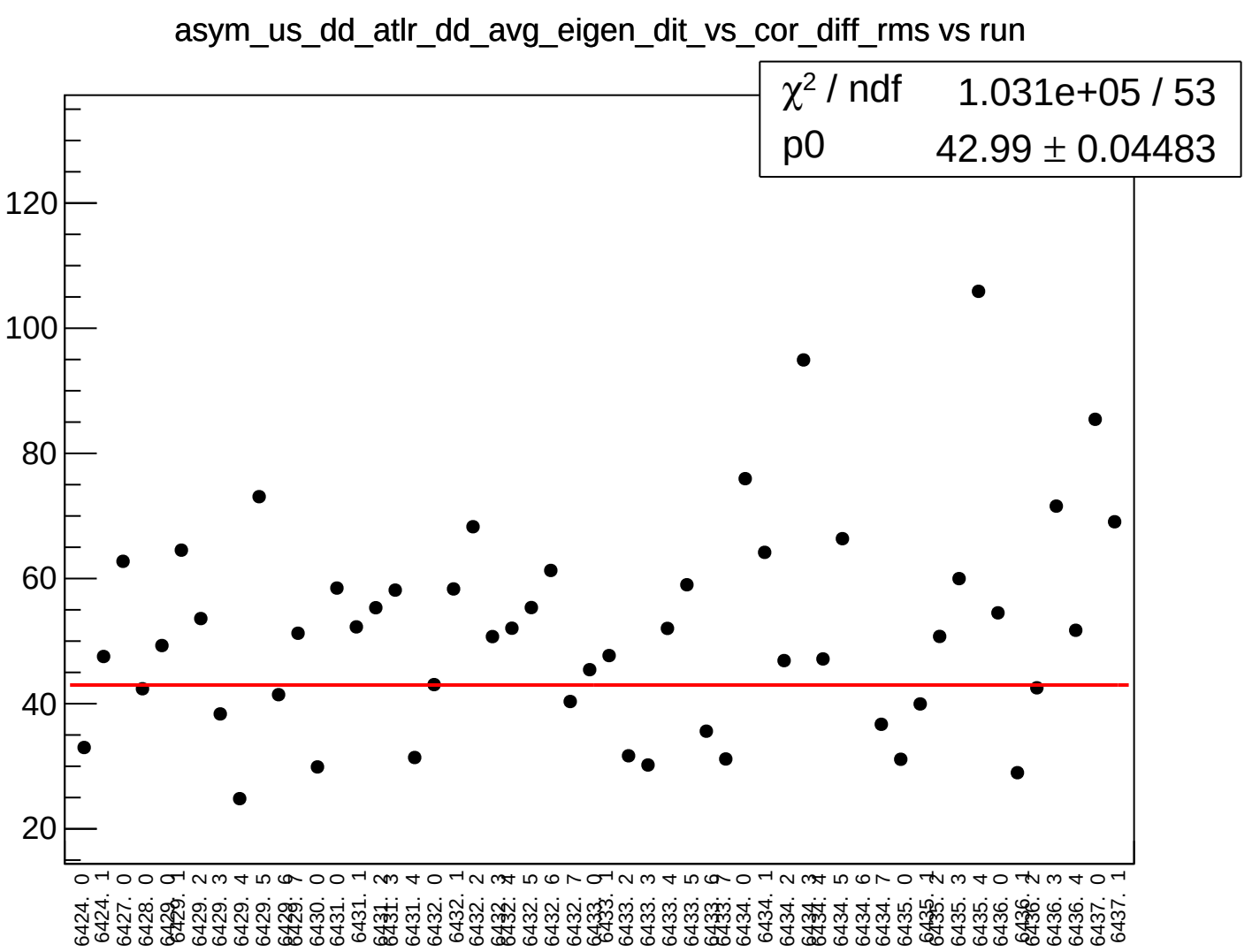

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 42.99 ± 0.04483
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

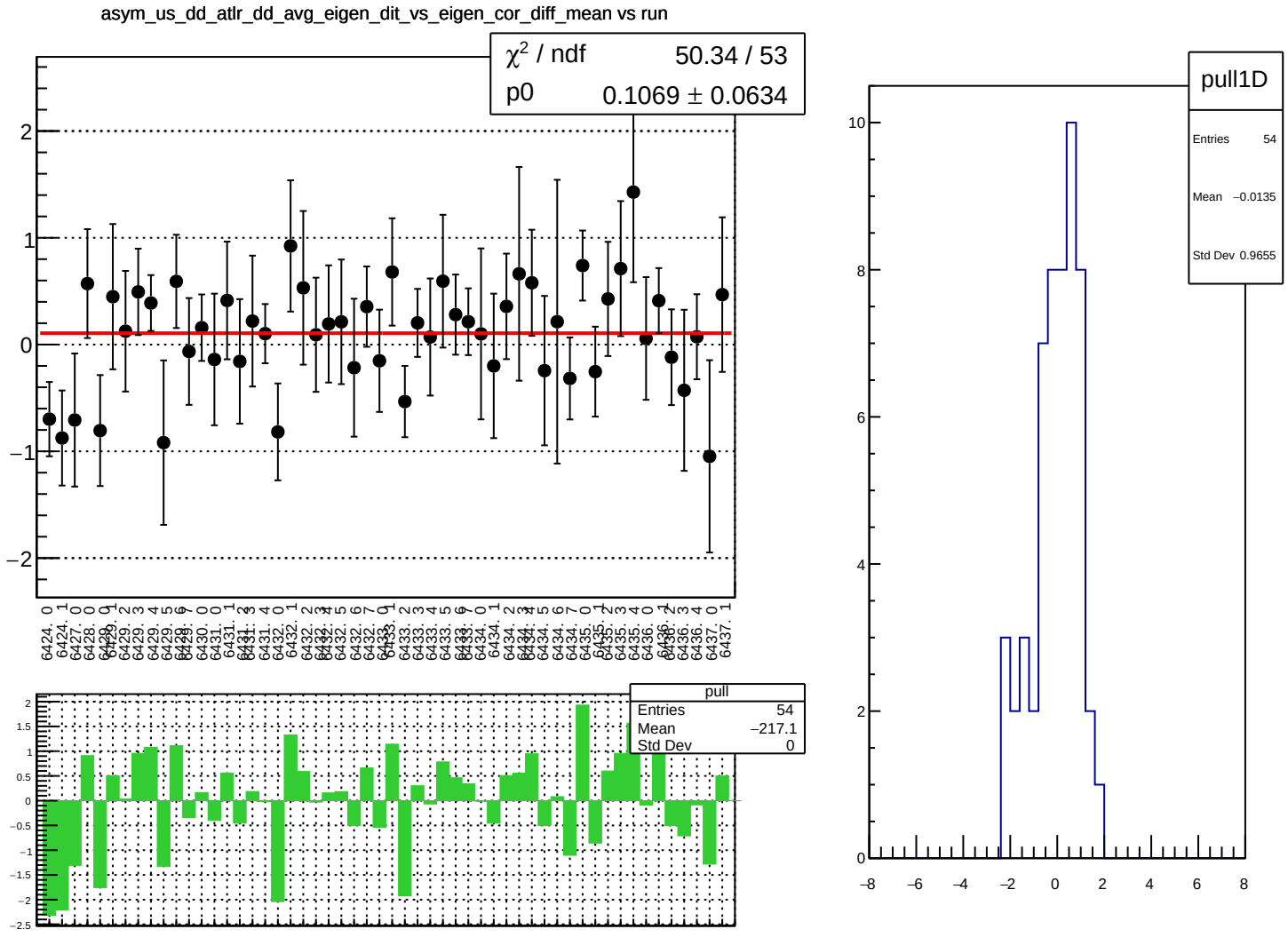

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.71 / 53
p0 1.365e−05 ± 1.726e−05
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 15.54
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.01029
Std Dev 1.207
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

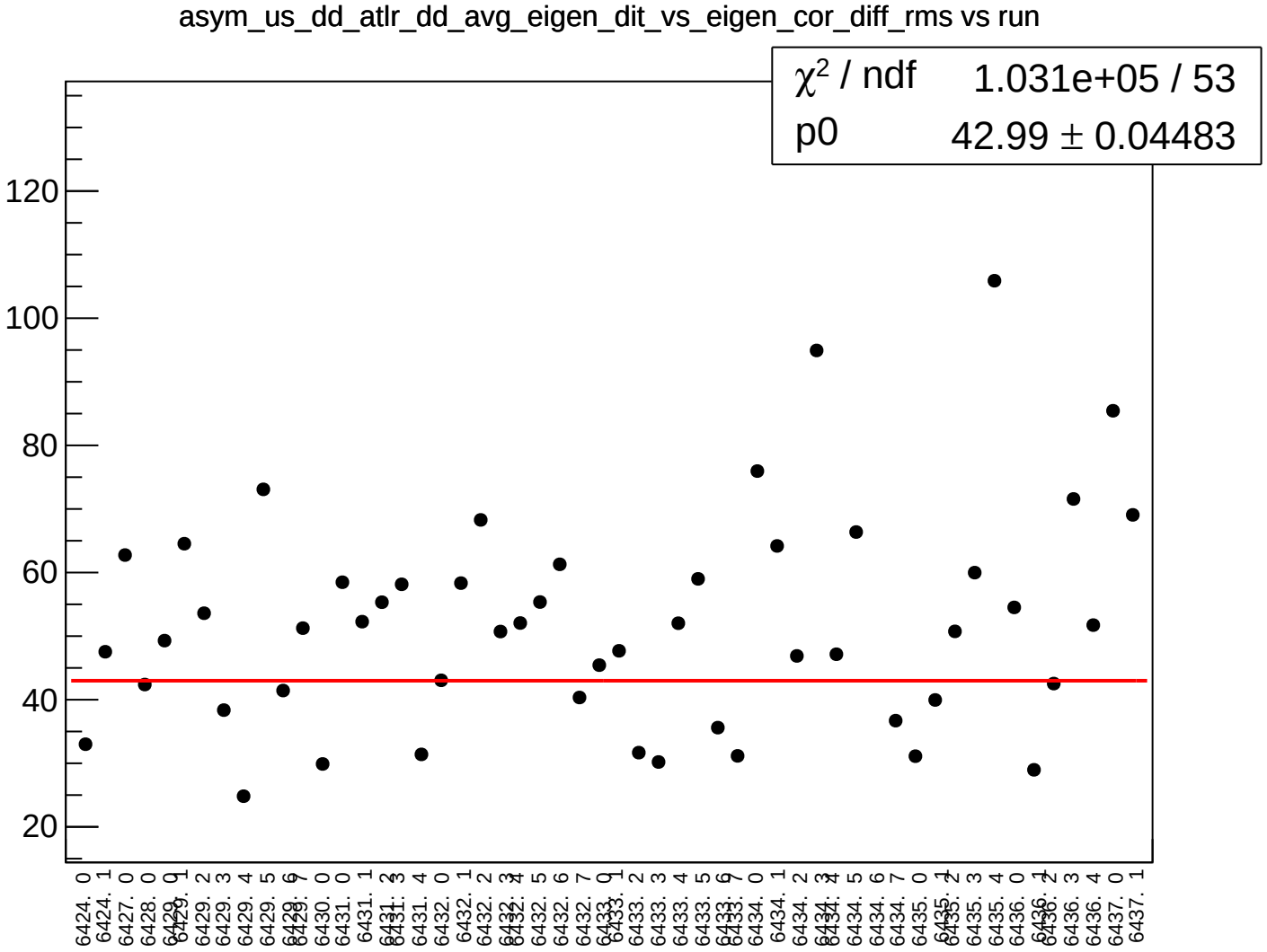

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2242 / 53
p0 0.01233 ± 1.22e−05
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

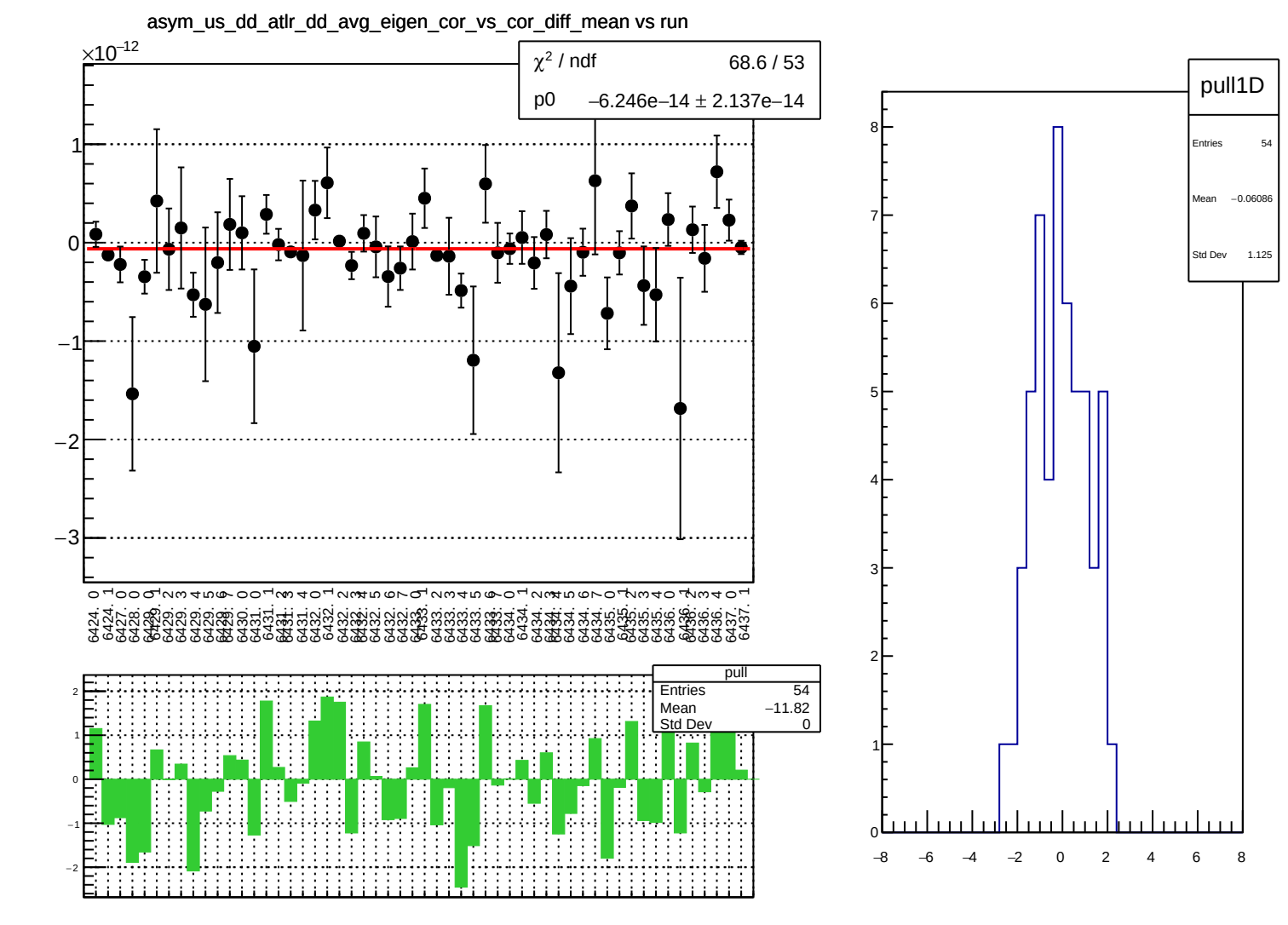

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.34 / 53
p0 0.1069 ± 0.0634
pull
Entries 54
Mean −217.1
Std Dev 0

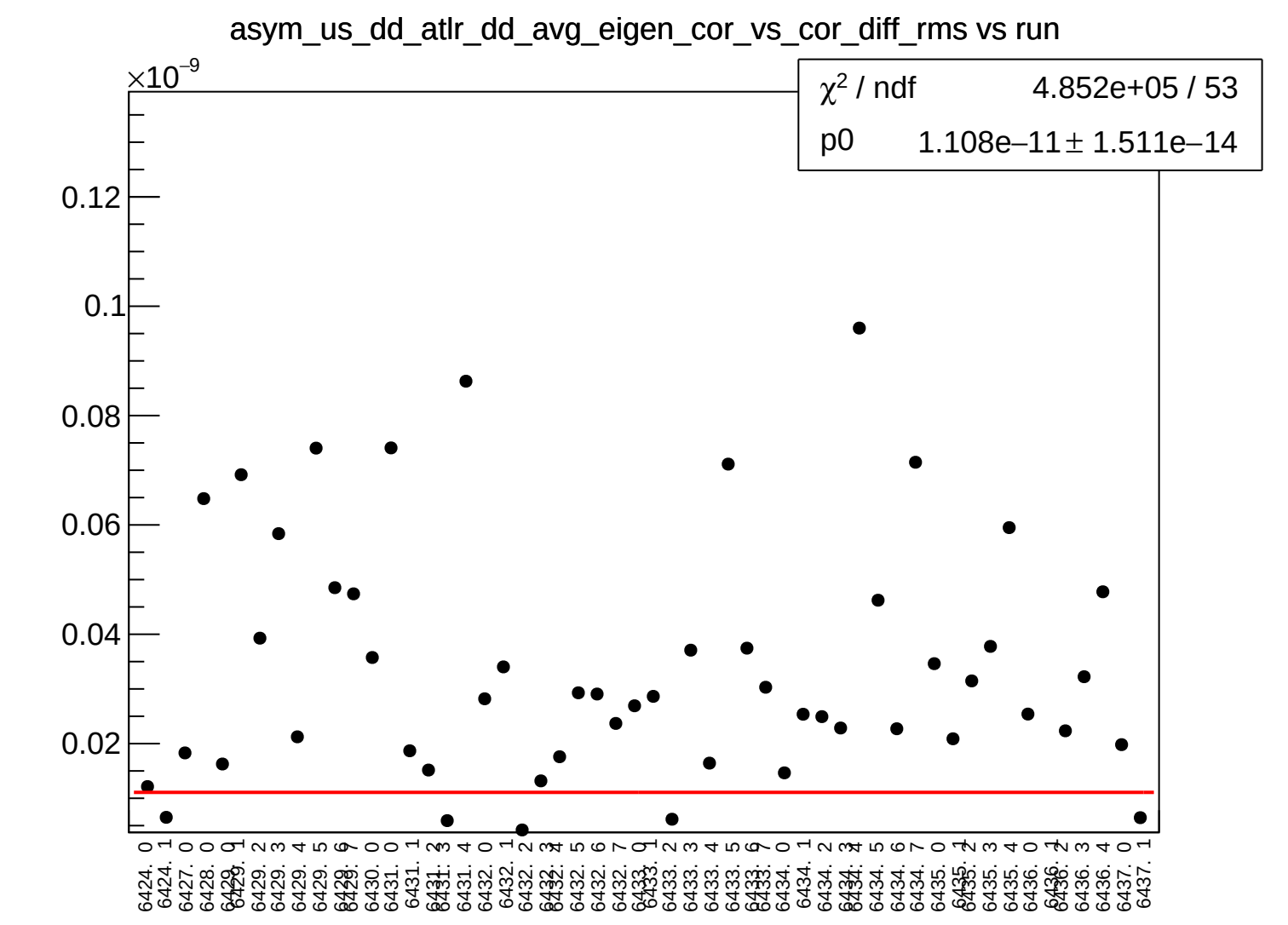

pull1D
Entries 54
Mean −0.0135
Std Dev 0.9655

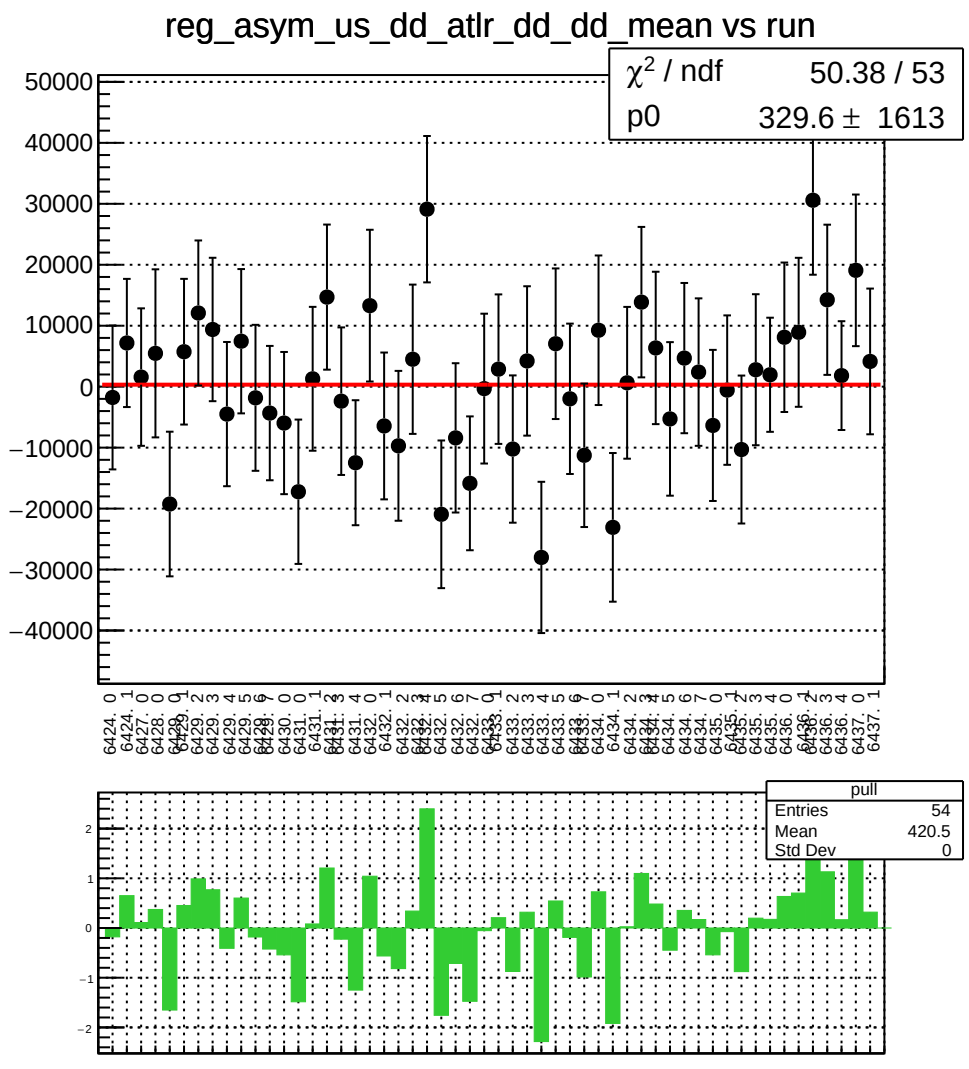

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 42.99 ± 0.04483
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

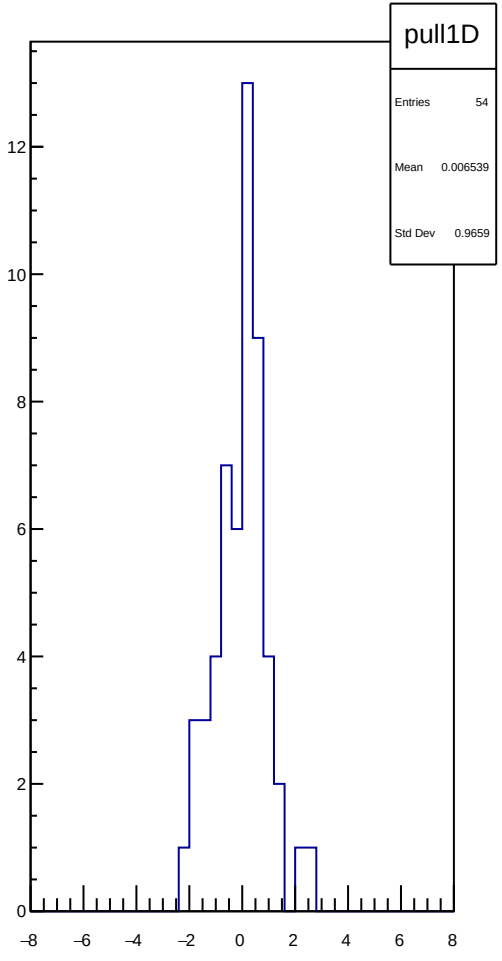

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.34 / 53
p0 0.1069 ± 0.0634
pull
Entries 54
Mean −217.1
Std Dev 0
pull1D
Entries 54
Mean −0.0135
Std Dev 0.9655

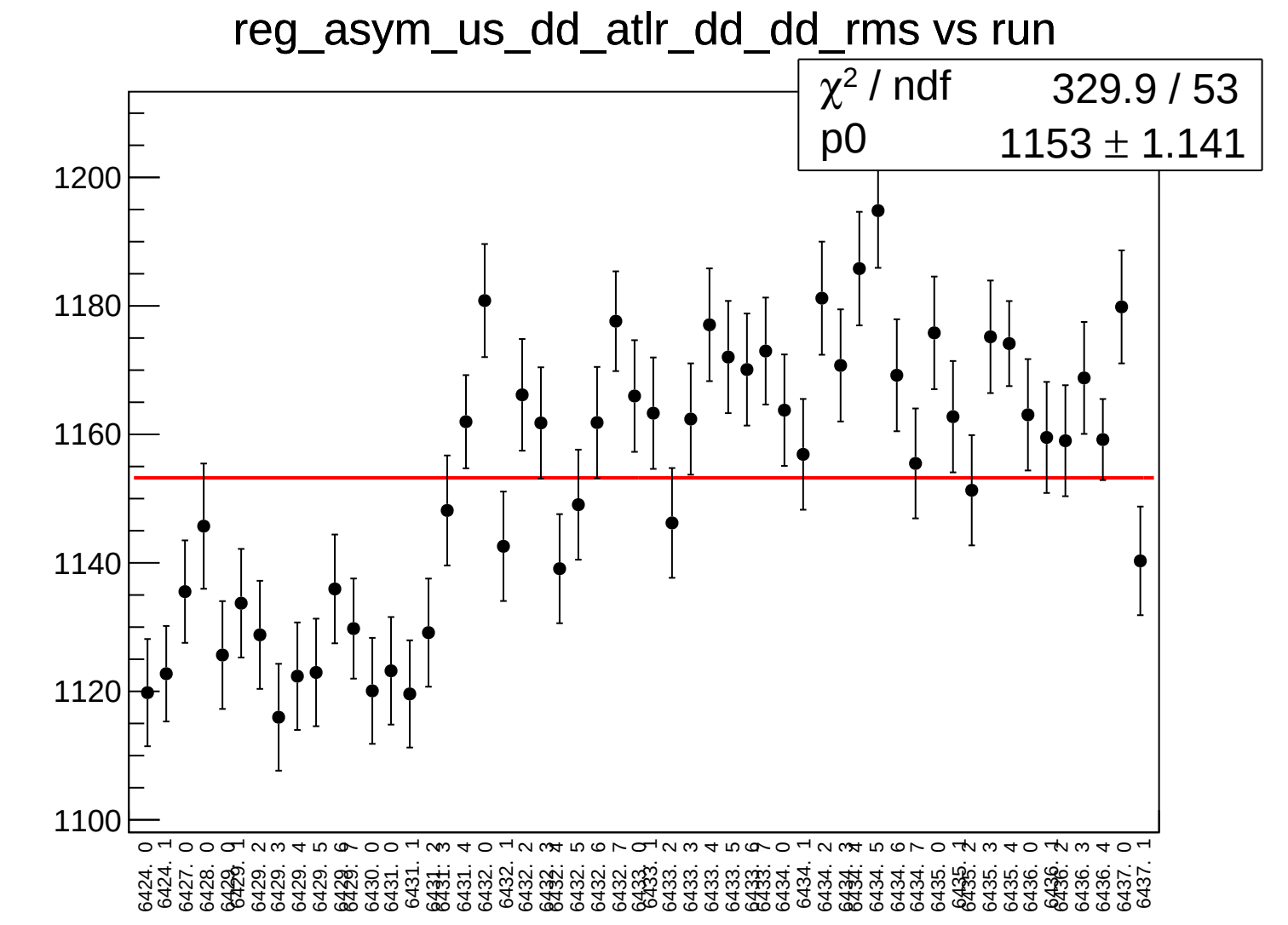

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 42.99 ± 0.04483
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

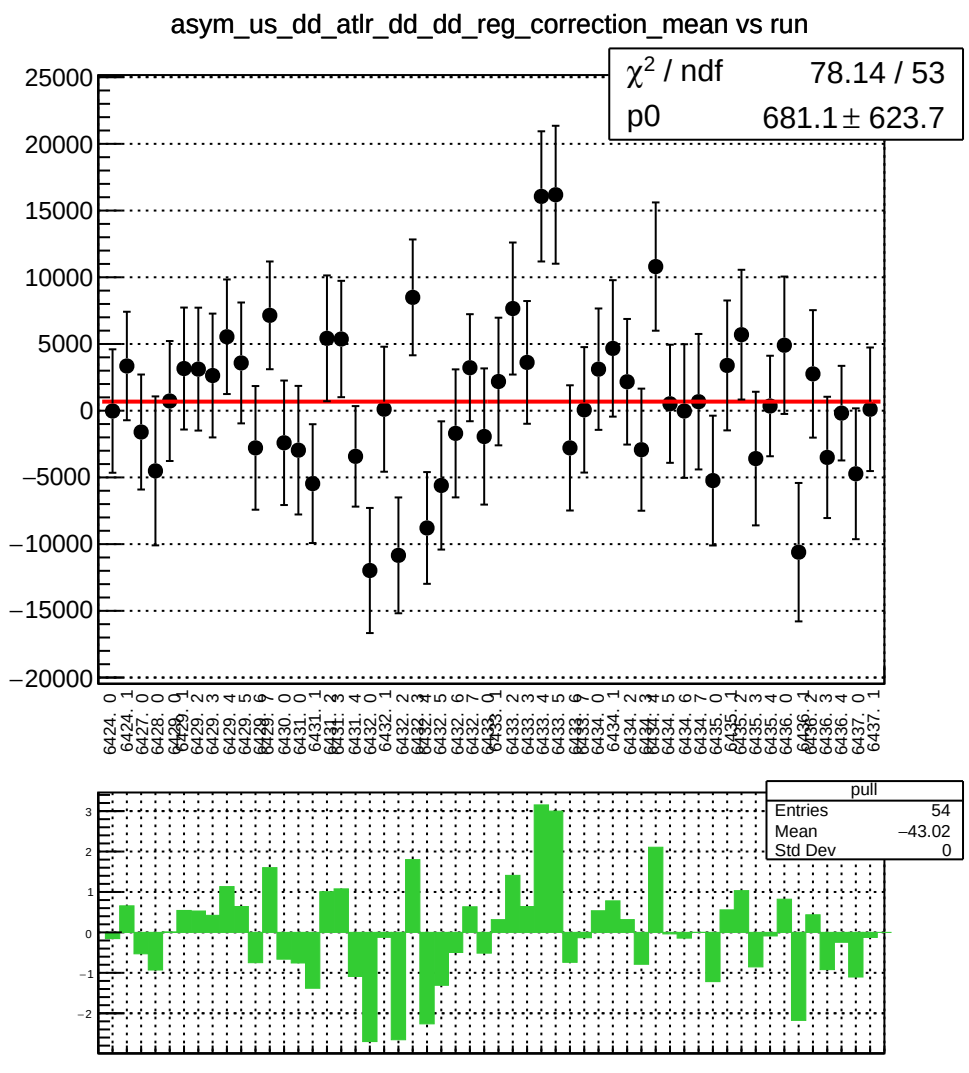

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.6 / 53
p0 −6.246e−14 ± 2.137e−14
pull
Entries 54
Mean −11.82
Std Dev 0
pull1D
Entries 54
Mean −0.06086
Std Dev 1.125

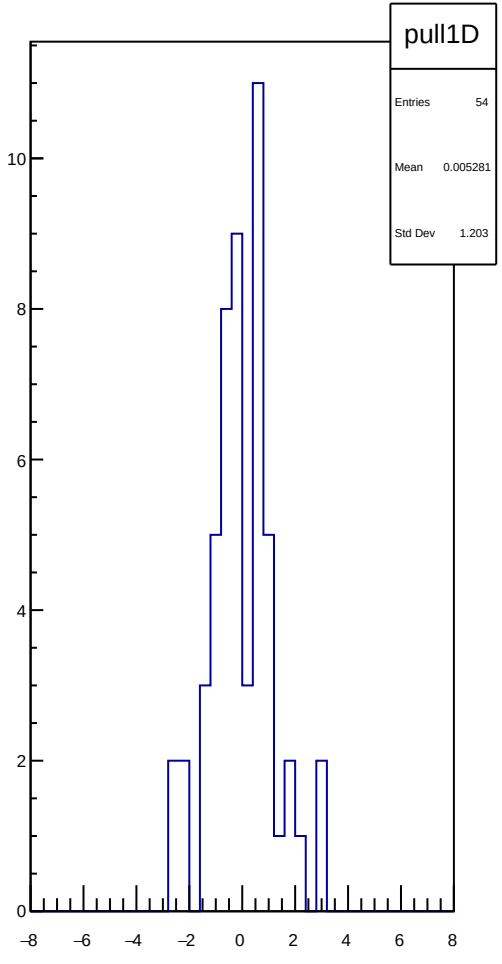

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.852e+05 / 53
p0 1.108e−11 ± 1.511e−14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

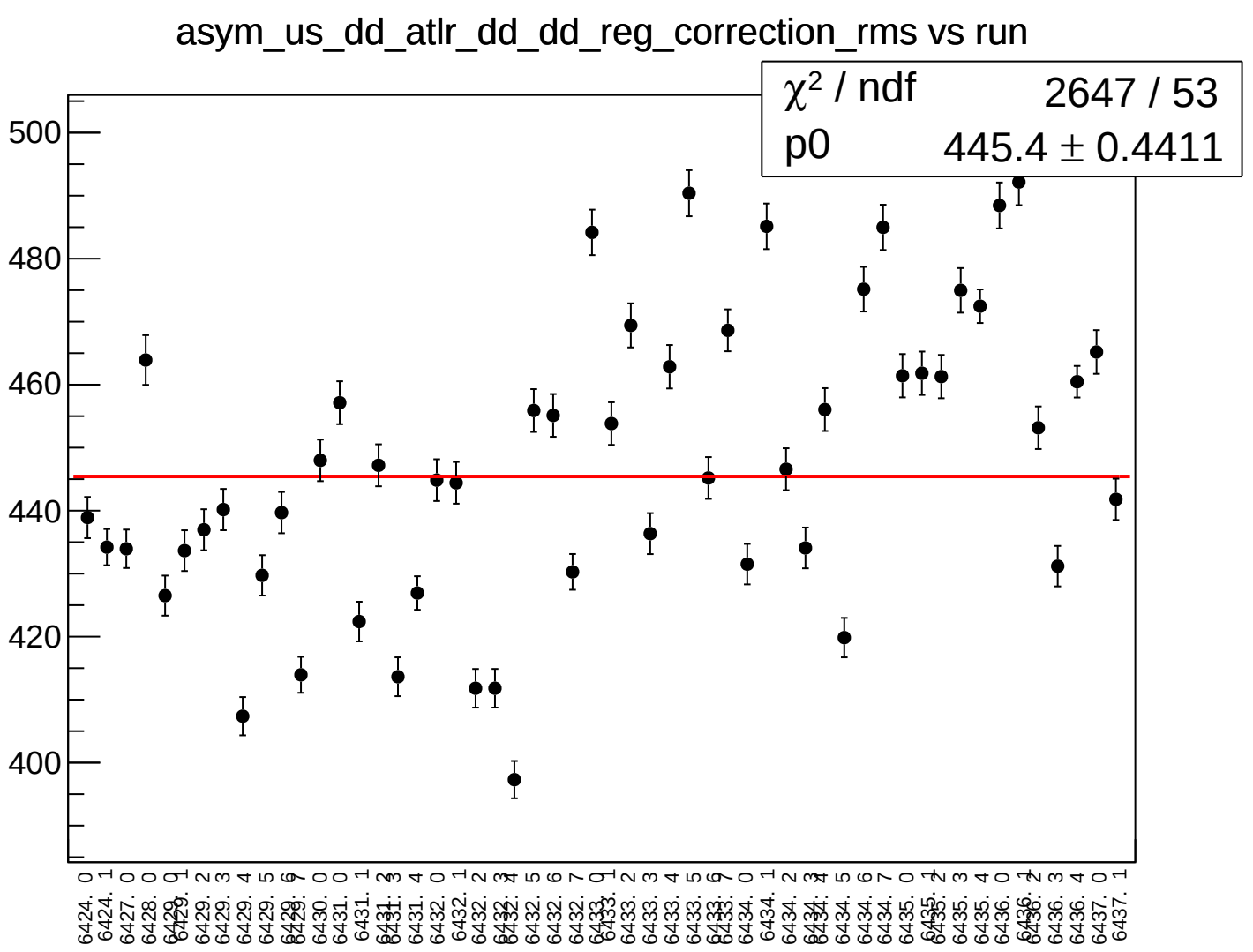

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.38 / 53
p0 329.6 ± 1613
pull
Entries 54
Mean 420.5
Std Dev 0

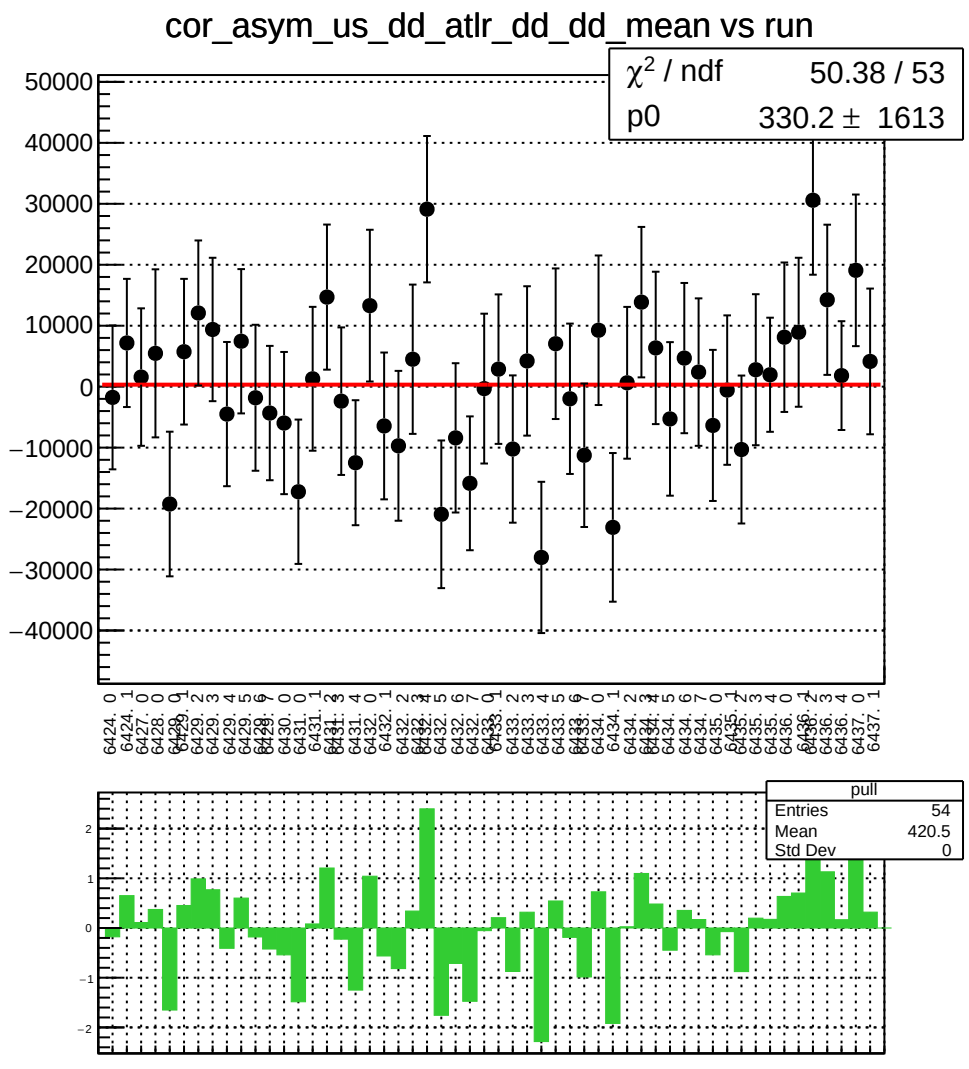

pull1D
Entries 54
Mean 0.006539
Std Dev 0.9659

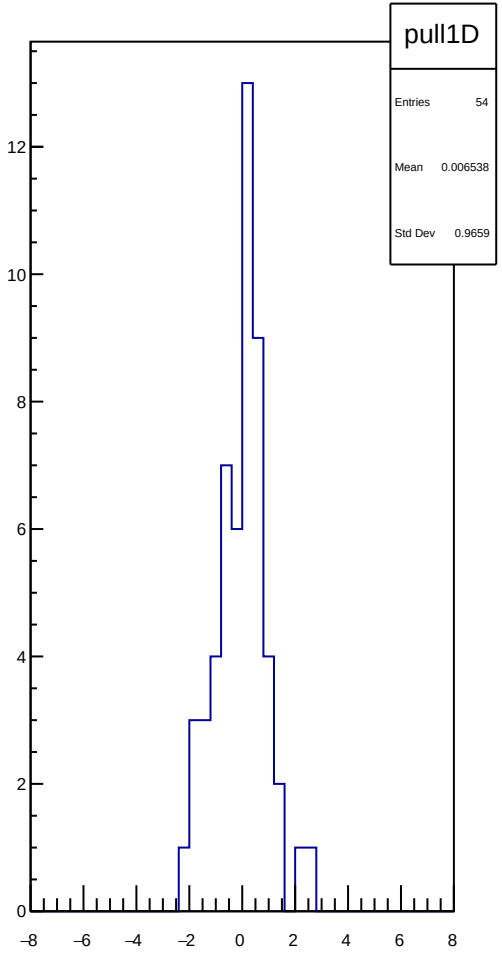

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 329.9 / 53
p0 1153 ± 1.141
1200
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

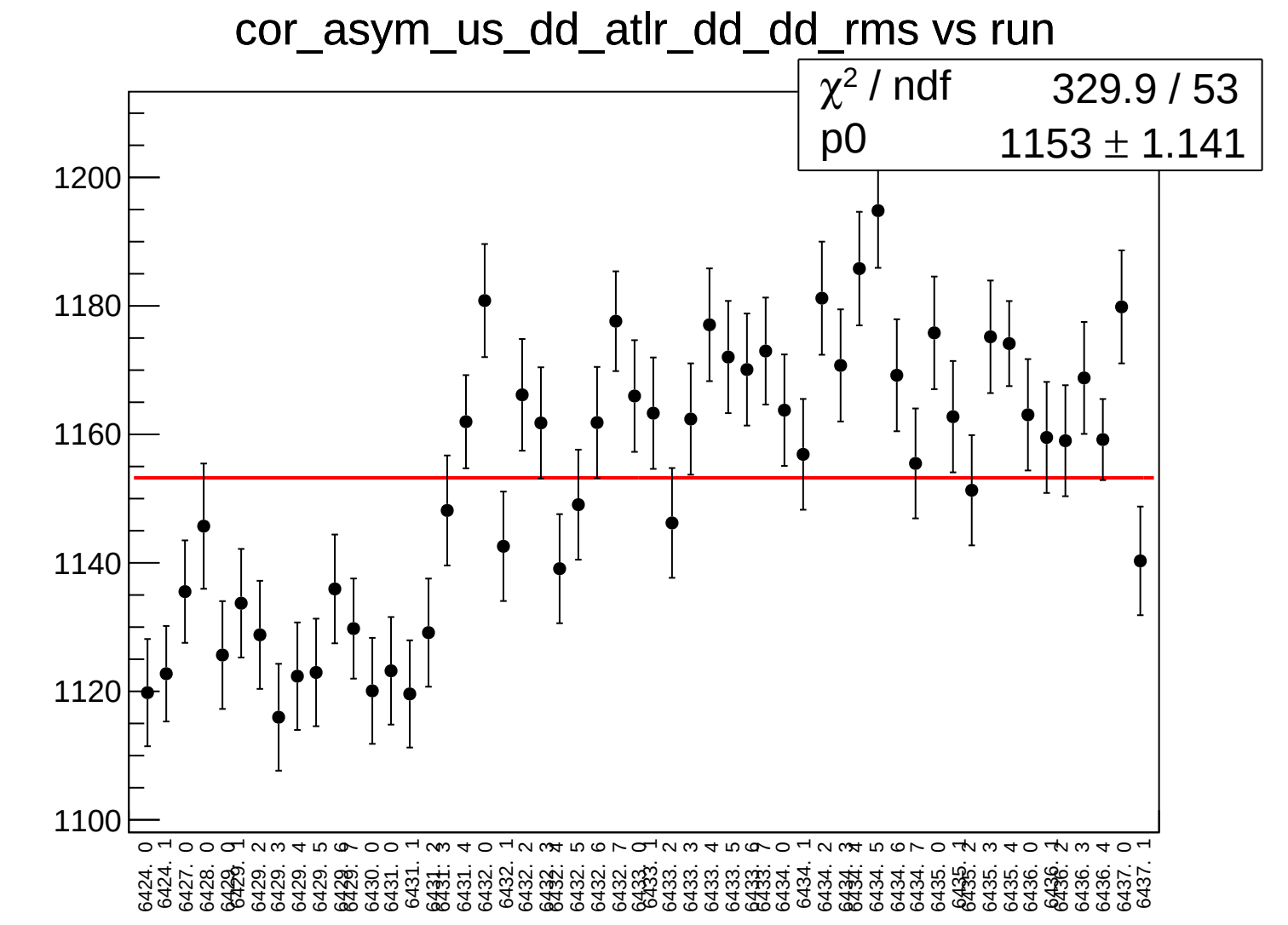

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 78.14 / 53
p0 681.1 ± 623.7
pull
Entries 54
Mean −43.02
Std Dev 0

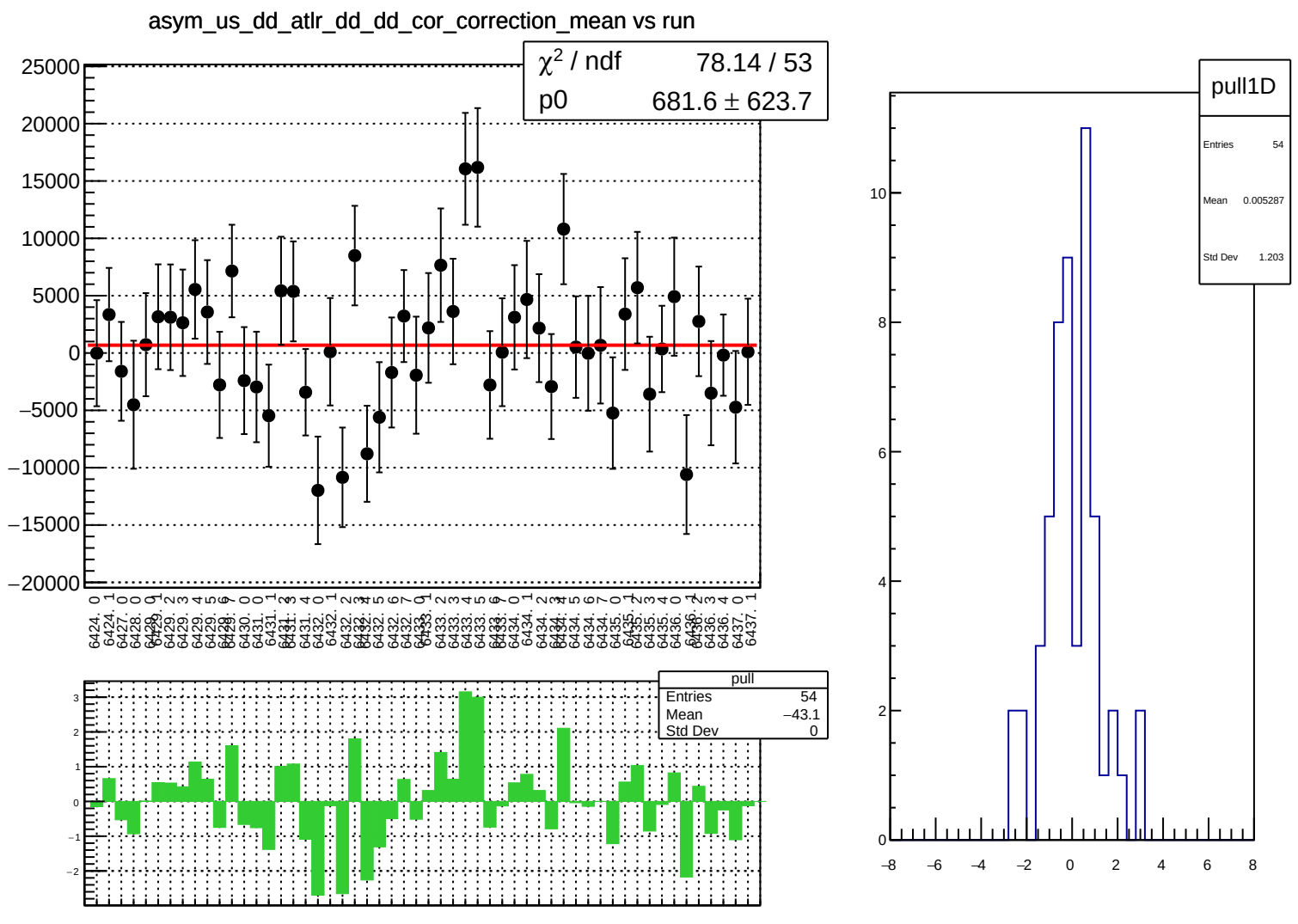

pull1D
Entries 54
Mean 0.005281
Std Dev 1.203

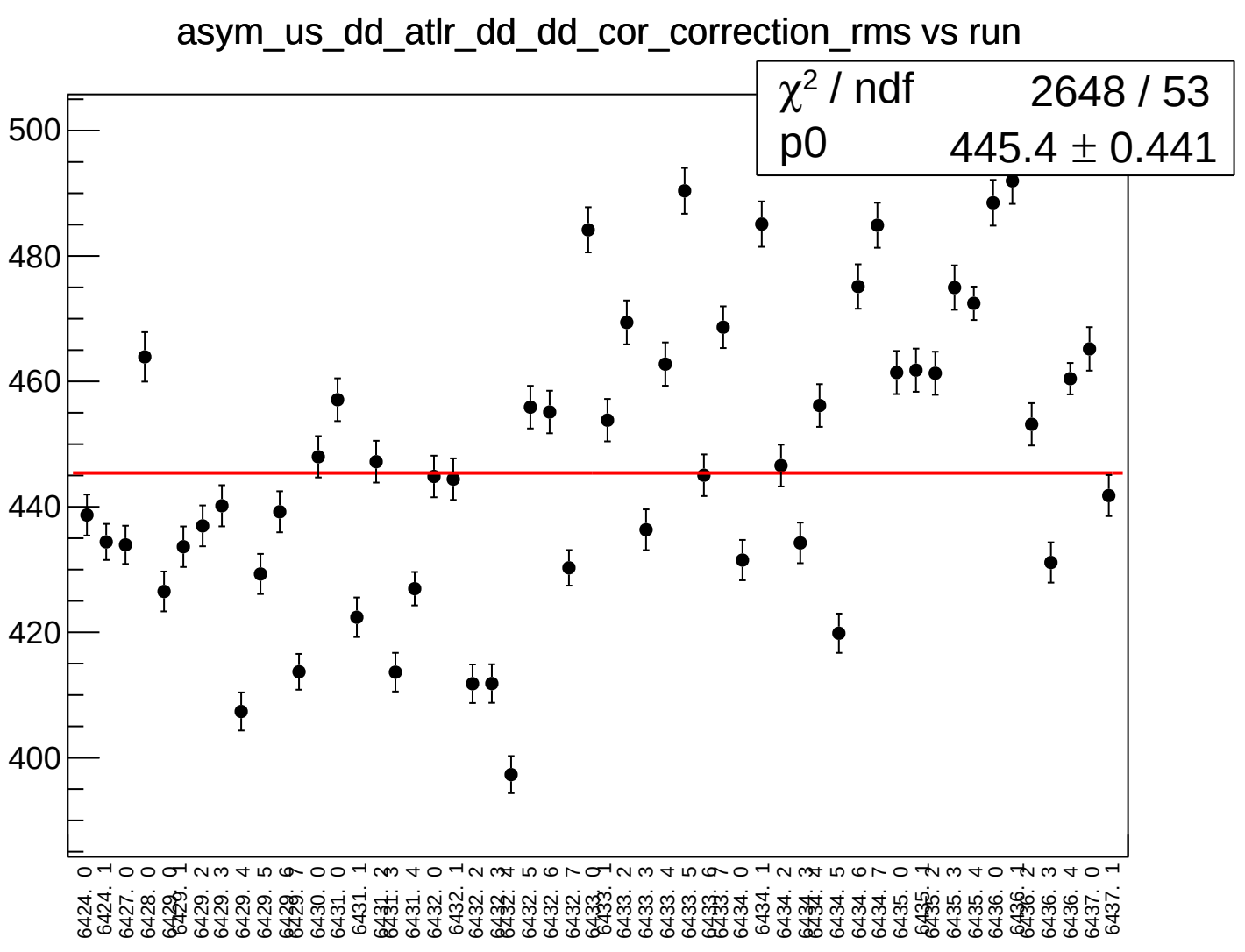

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 2647 / 53
p0 445.4 ± 0.4411
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

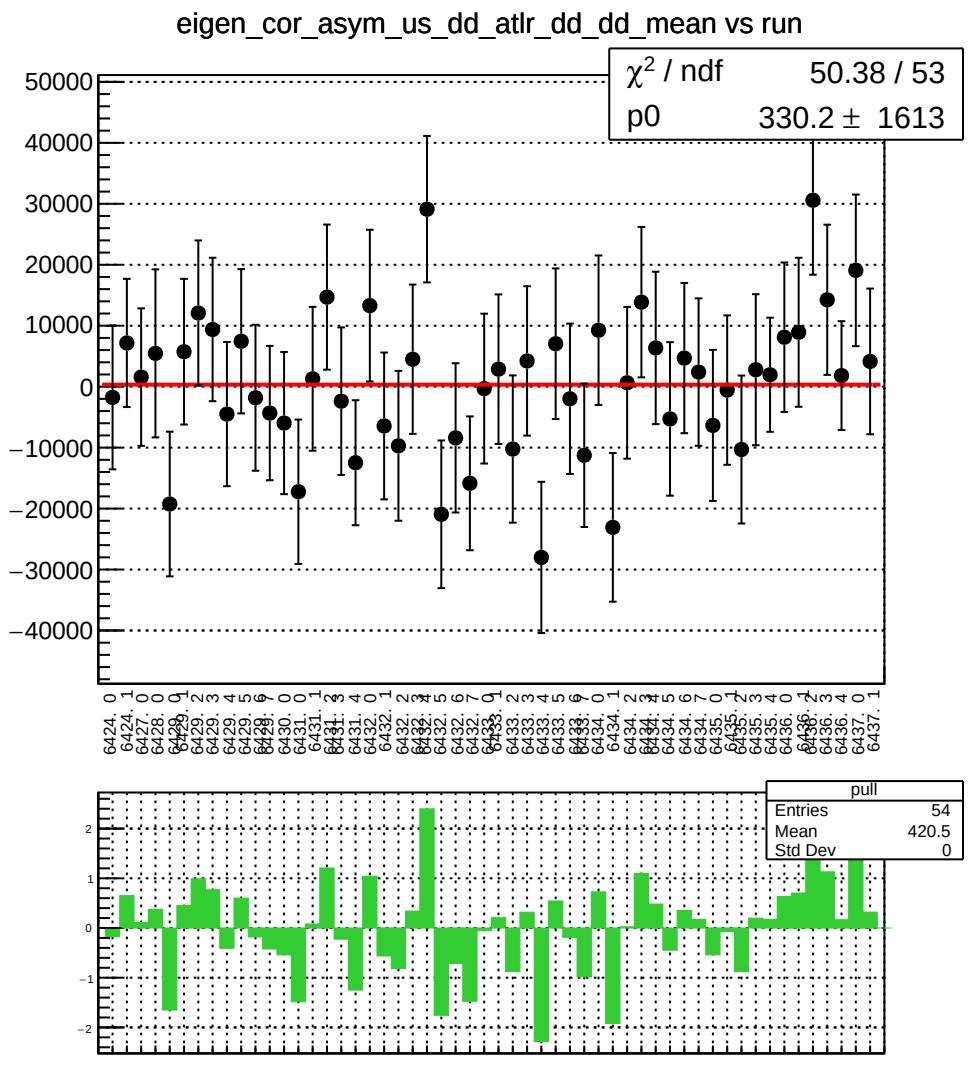

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.38 / 53
p0 330.2 ± 1613
pull
Entries 54
Mean 420.5
Std Dev 0

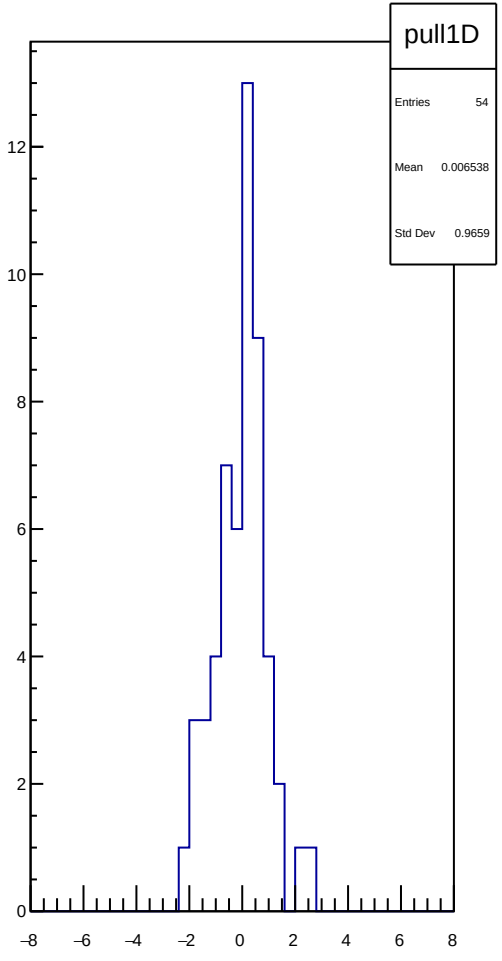

pull1D
Entries 54
Mean 0.006538
Std Dev 0.9659

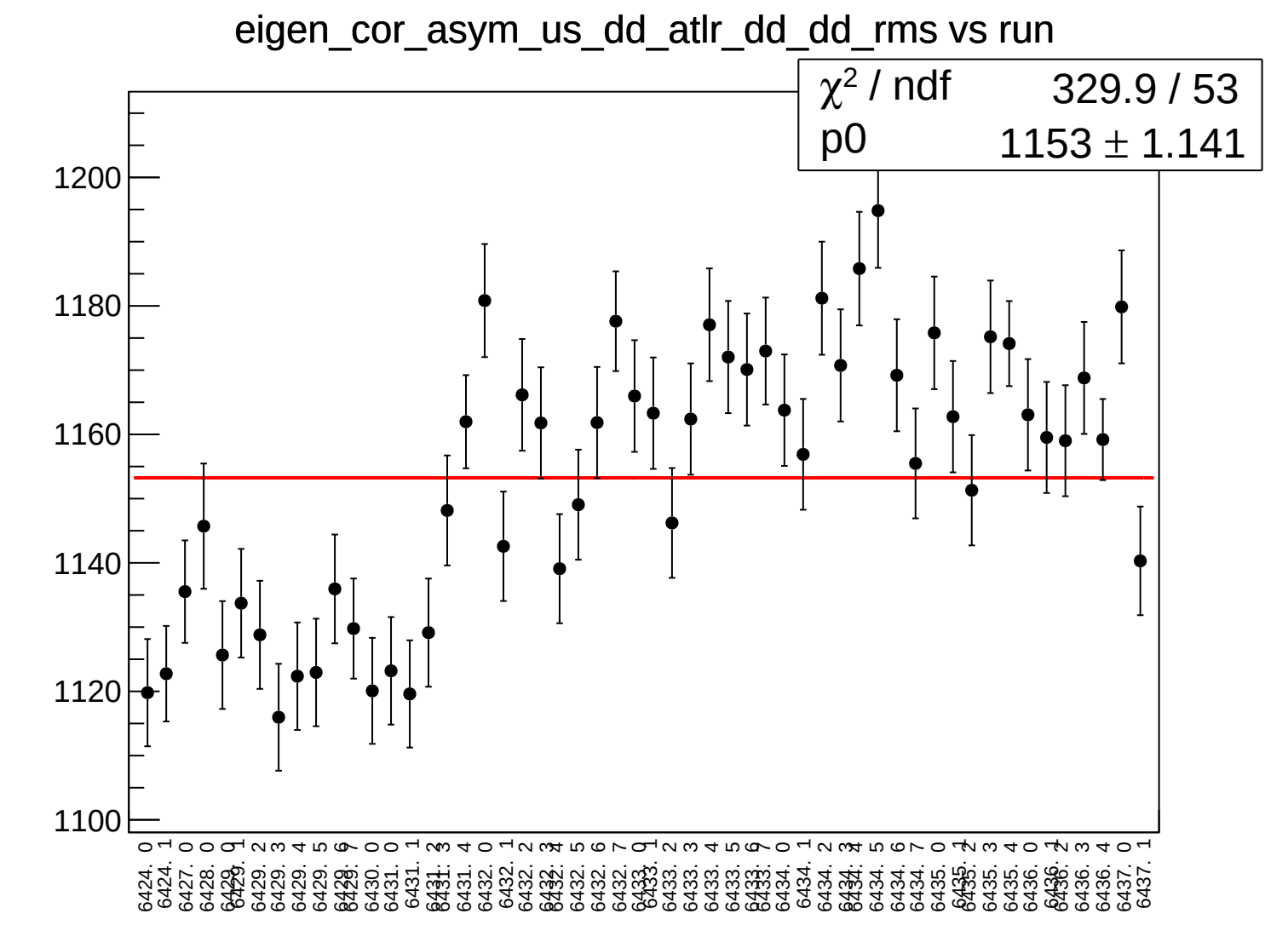

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 329.9 / 53
p0 1153 ± 1.141
1200
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 78.14 / 53
p0 681.6 ± 623.7
pull
Entries 54
Mean −43.1
Std Dev 0
pull1D
Entries 54
Mean 0.005287
Std Dev 1.203


asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 2648 / 53
p0 445.4 ± 0.441
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.38 / 53
p0 330.2 ± 1613
pull
Entries 54
Mean 420.5
Std Dev 0


pull1D
Entries 54
Mean 0.006538
Std Dev 0.9659


eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 329.9 / 53
p0 1153 ± 1.141
1200
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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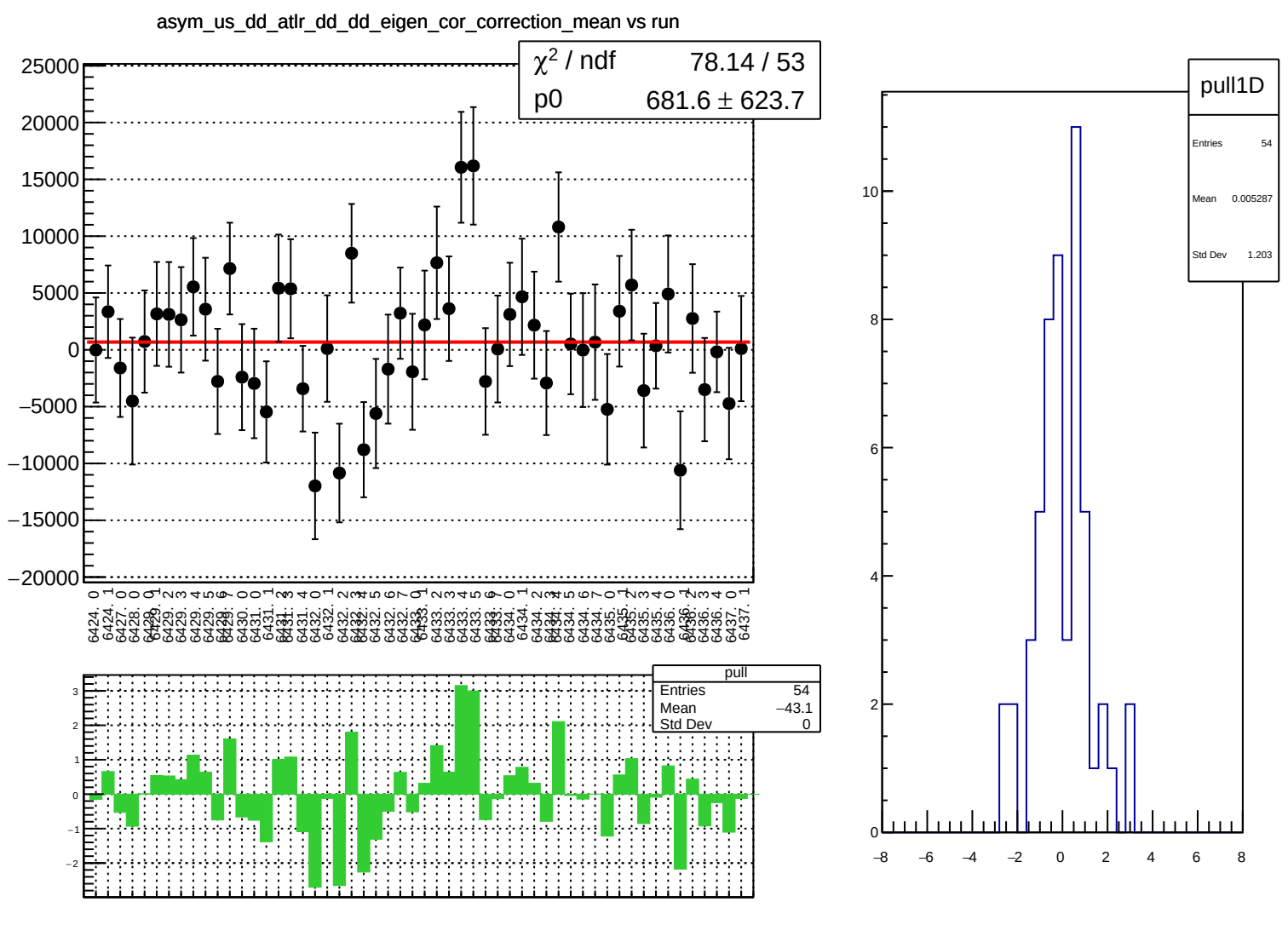
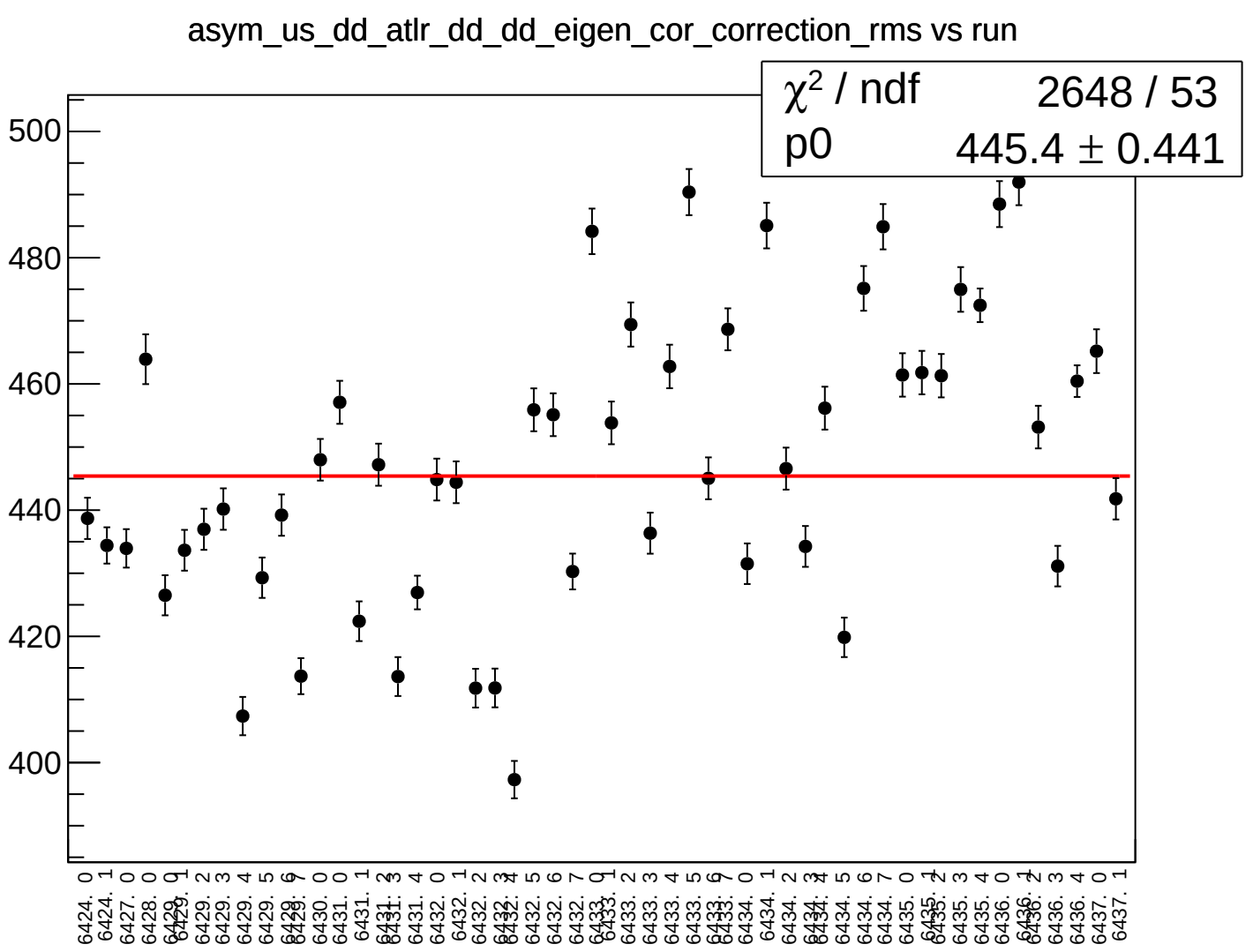
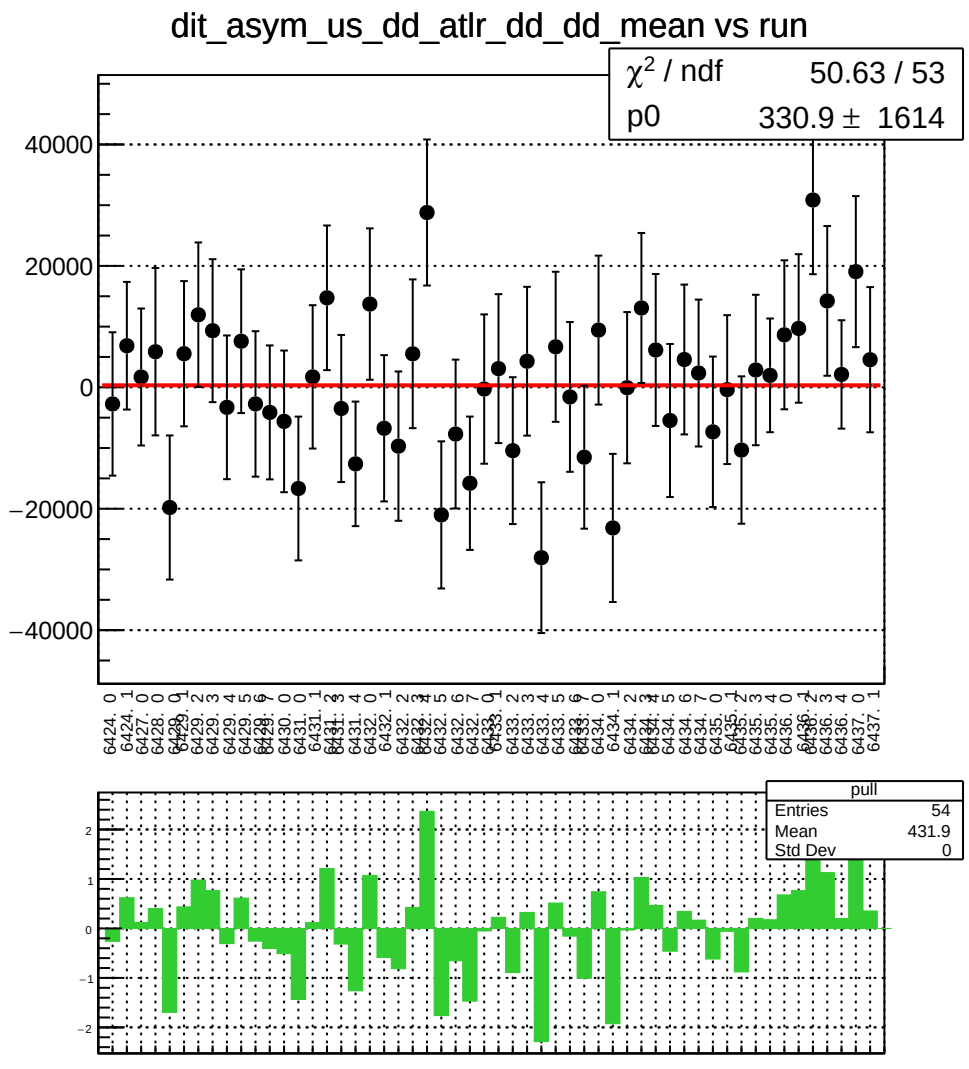
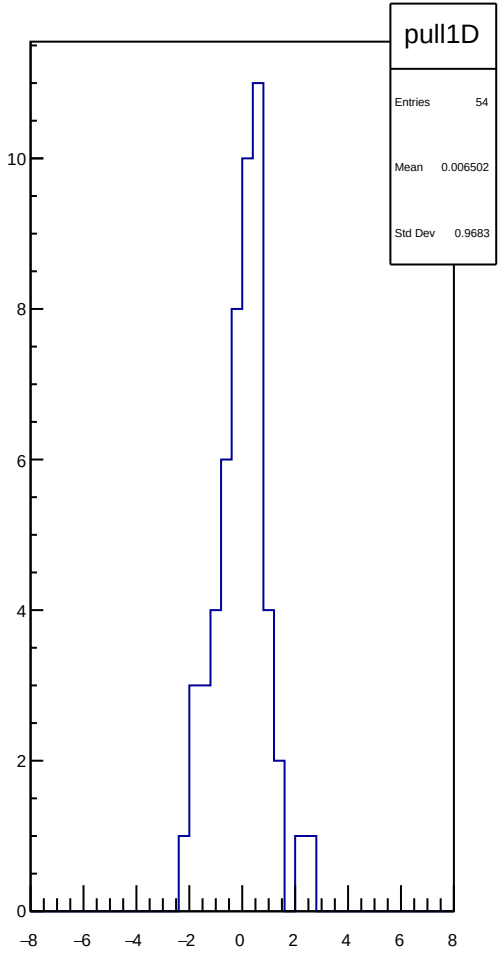
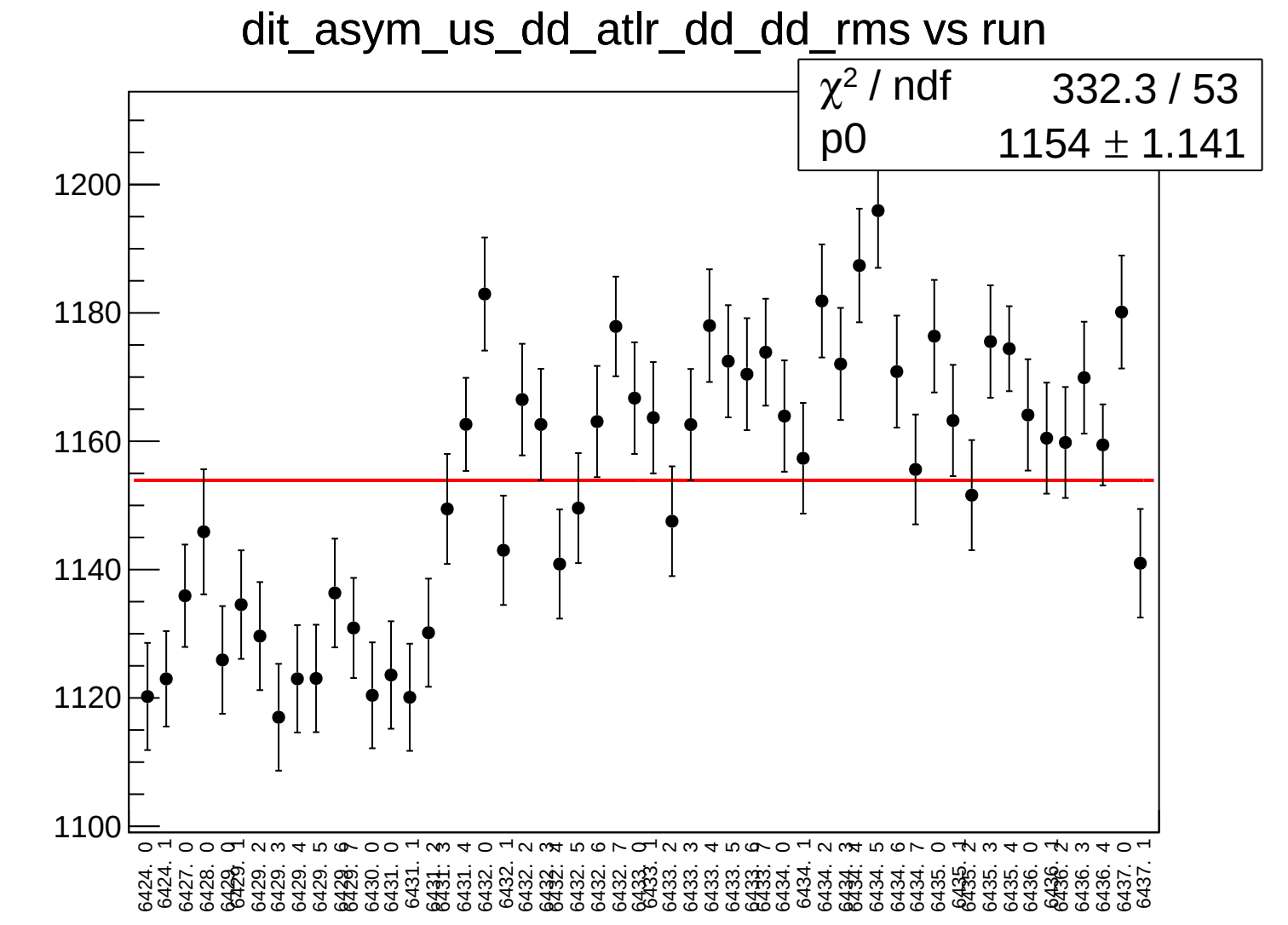
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.14 / 53
p0 681.6 ± 623.7
pull
Entries 54
Mean −43.1
Std Dev 0
pull1D
Entries 54
Mean 0.005287
Std Dev 1.203


asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2648 / 53
p0 445.4 ± 0.441
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.63 / 53
p0 330.9 ± 1614
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 431.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.006502
Std Dev 0.9683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 332.3 / 53
p0 1154 ± 1.141
1200
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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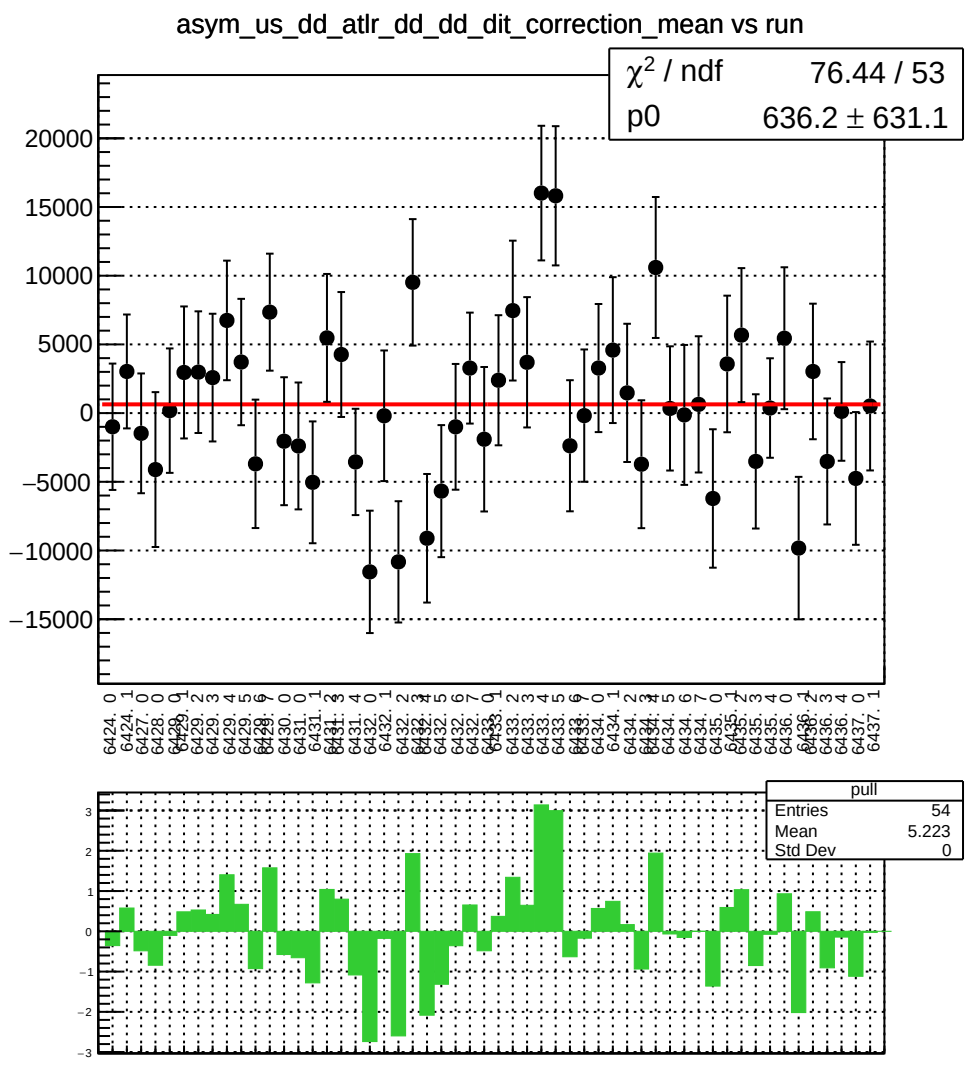
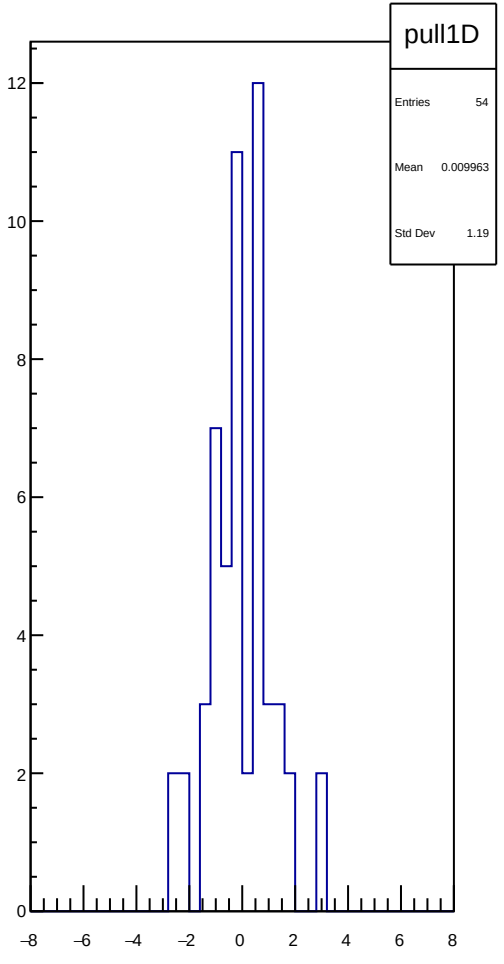
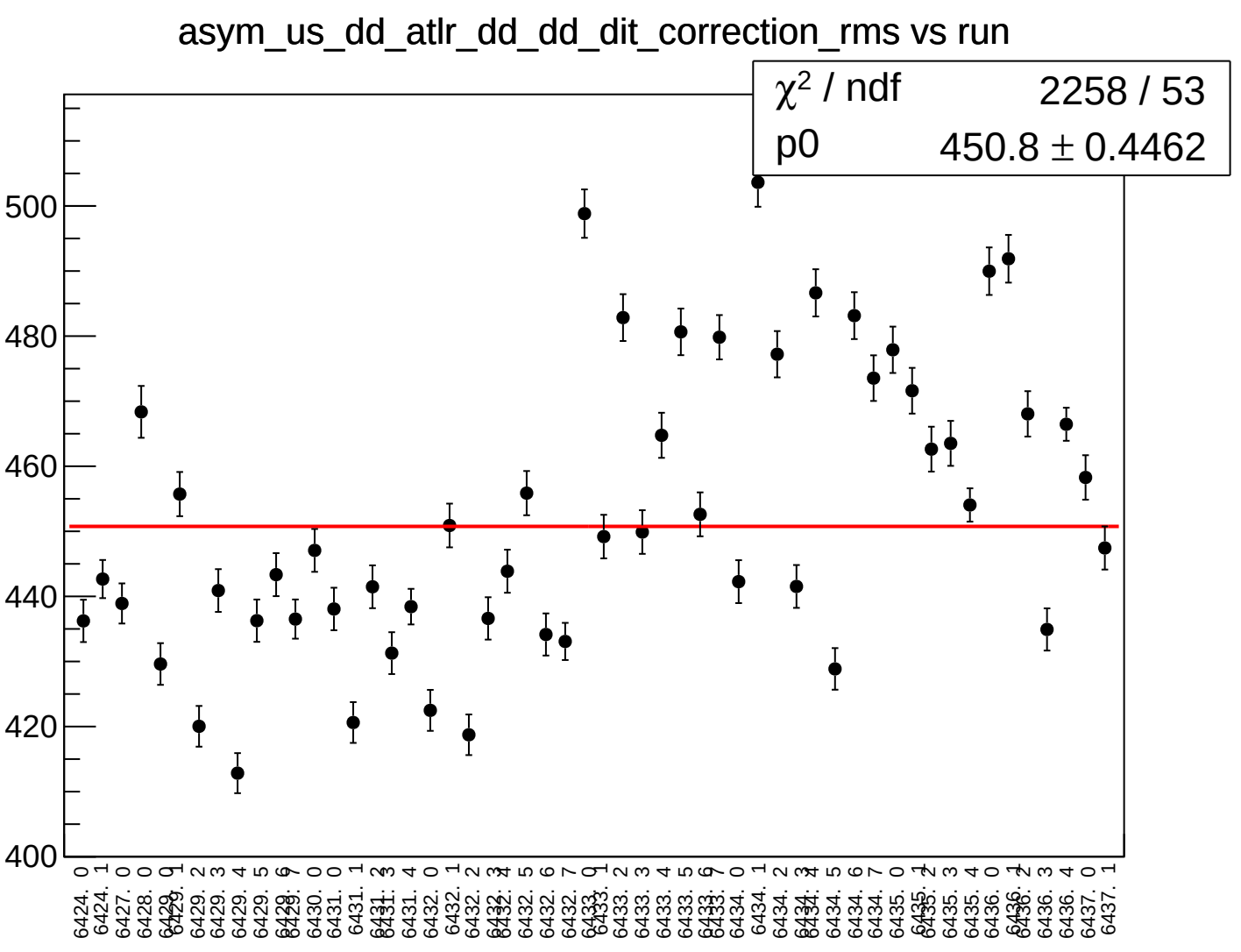
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 76.44 / 53
p0 636.2 ± 631.1
pull
Entries 54
Mean 5.223
Std Dev 0


pull1D
Entries 54
Mean 0.009963
Std Dev 1.19


asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 2258 / 53
p0 450.8 ± 0.4462
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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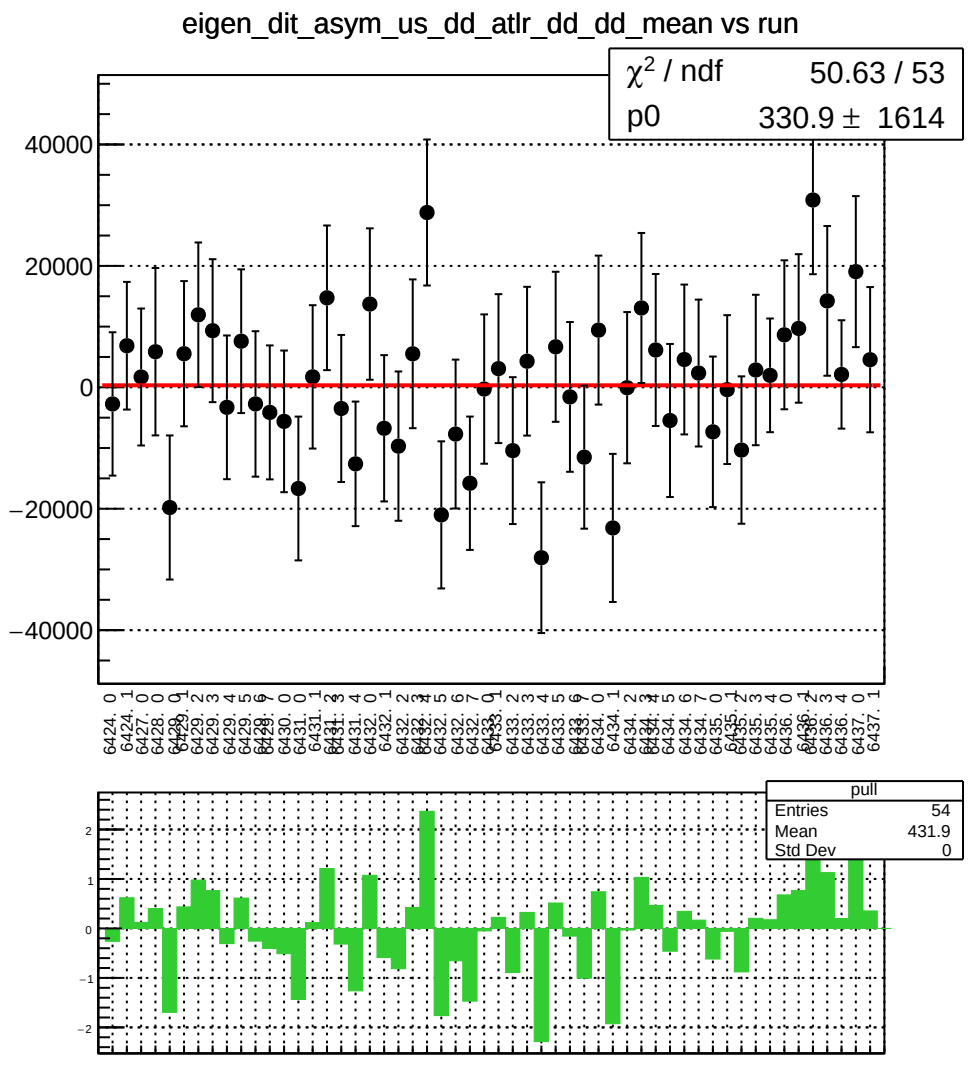
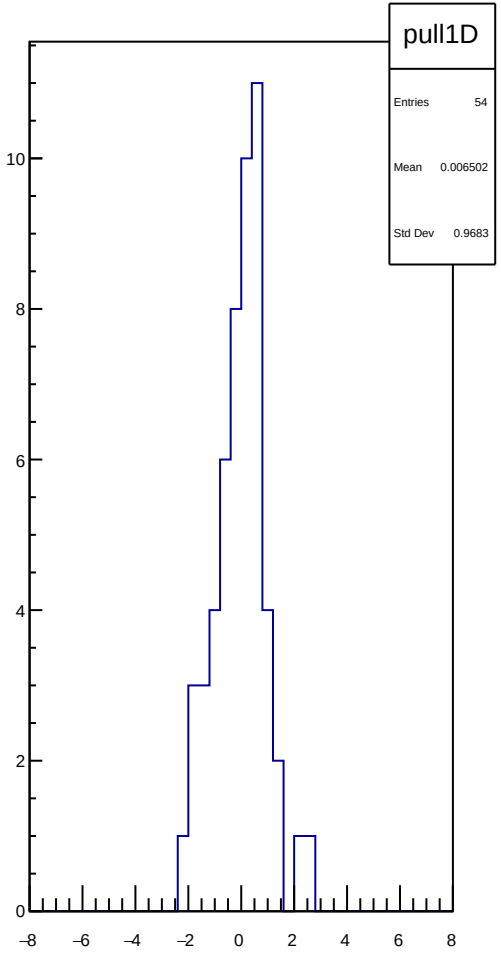
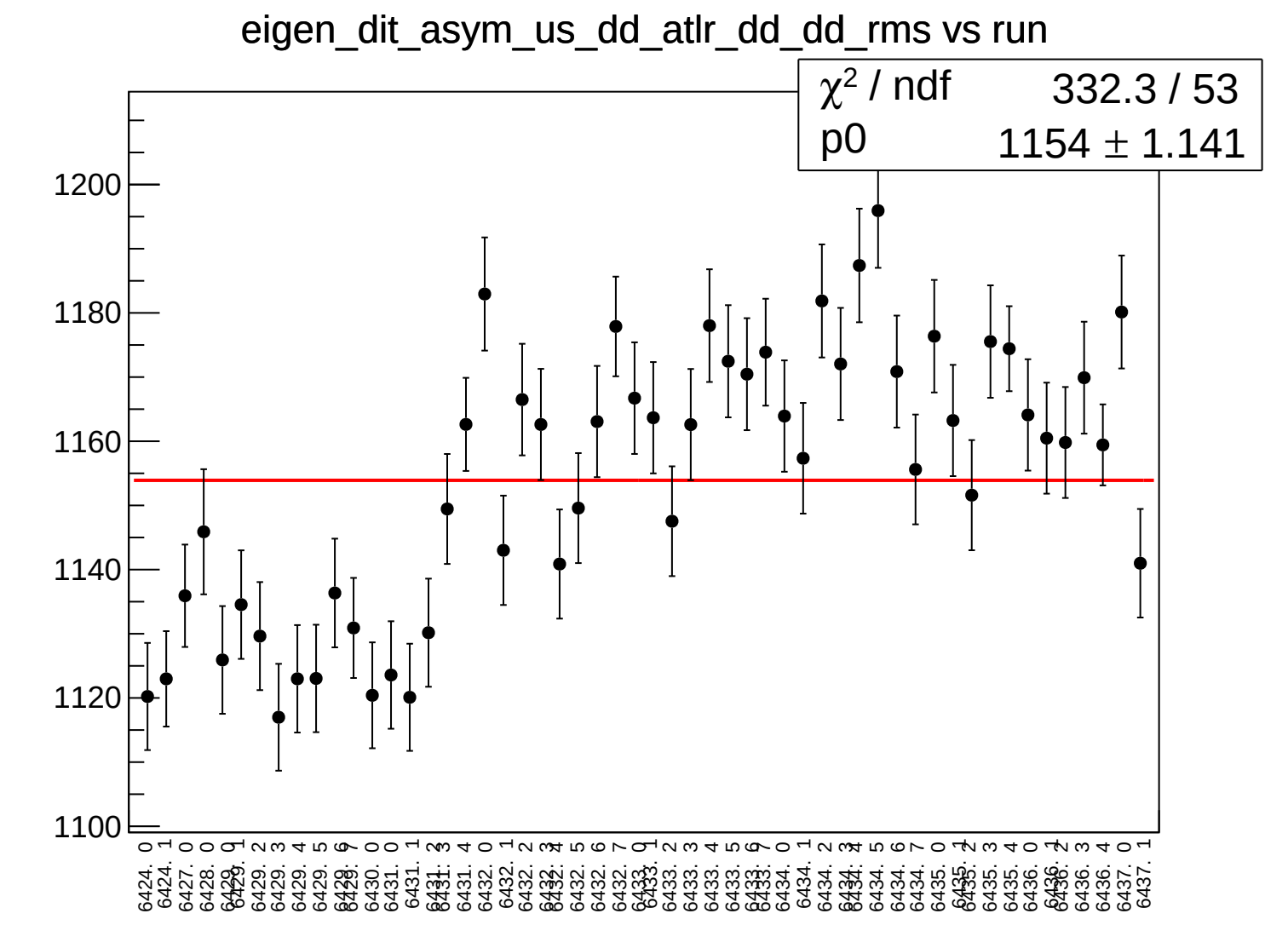
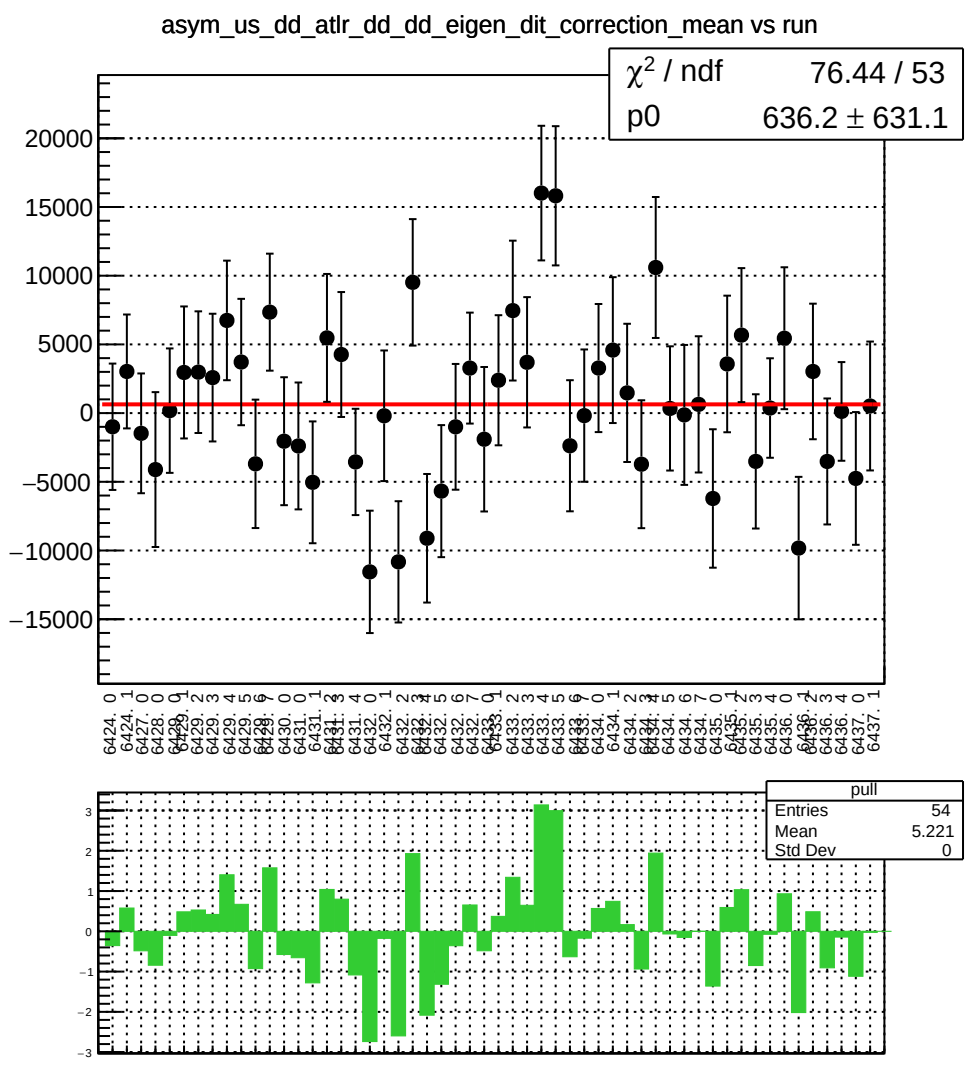
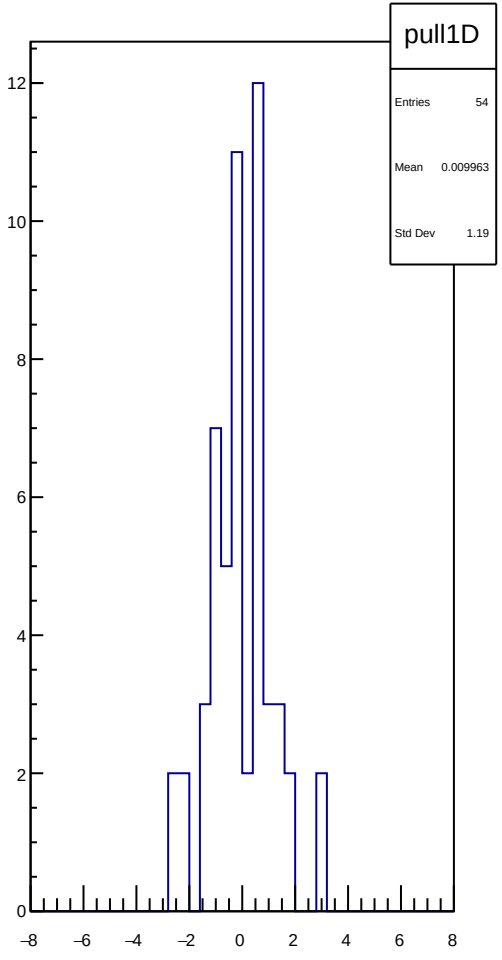
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

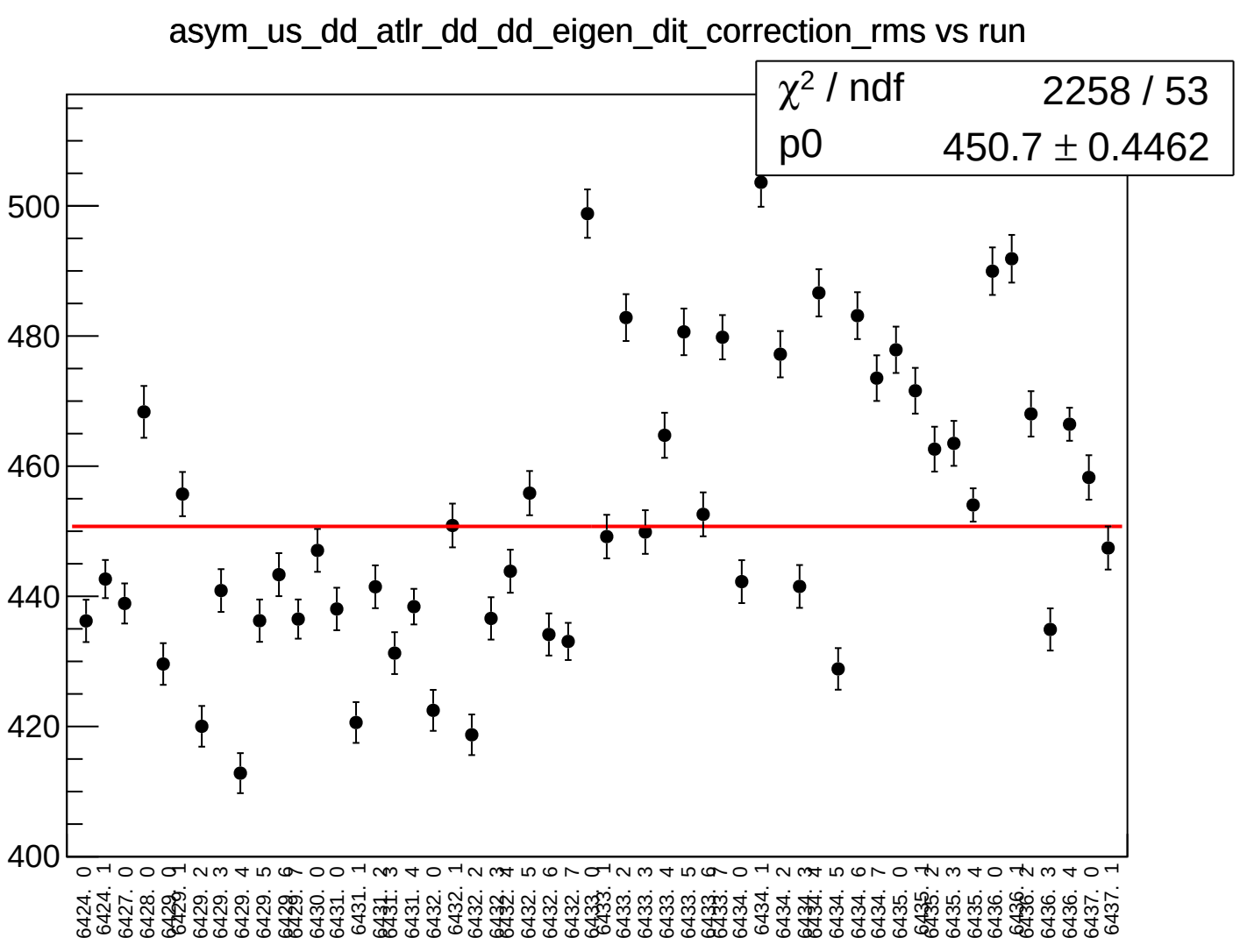

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.63 / 53
p0 330.9 ± 1614
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 431.9
Std Dev 0
2
1
0
−1
−2

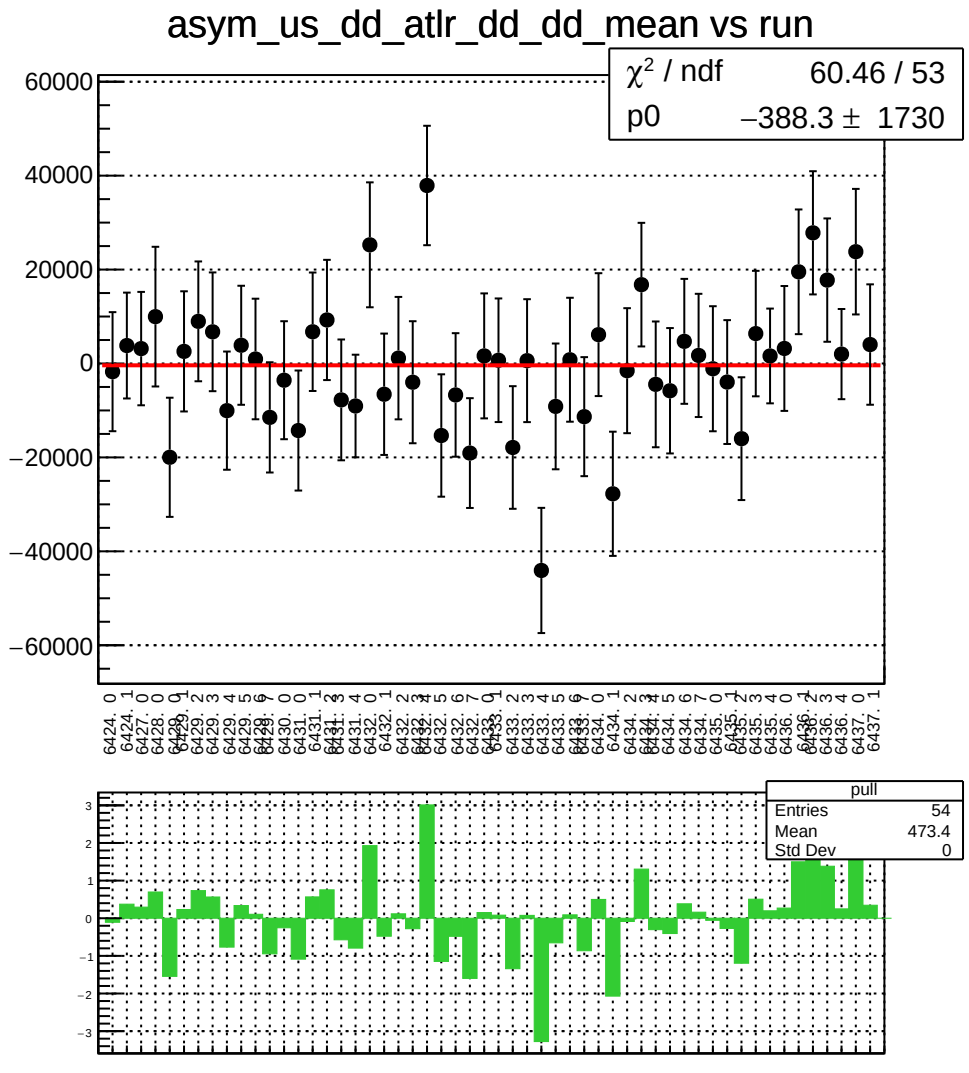

pull1D
Entries 54
Mean 0.006502
Std Dev 0.9683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

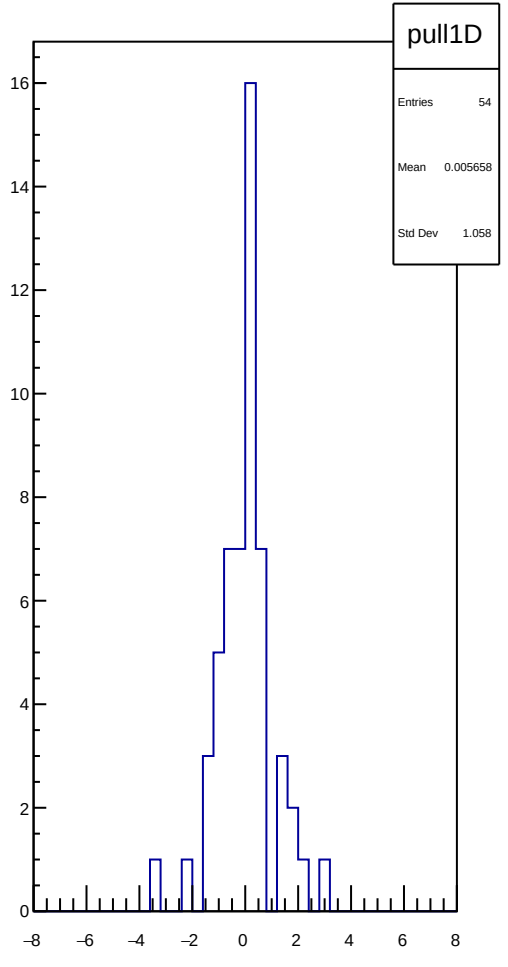

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 332.3 / 53
p0 1154 ± 1.141
1200
1180
1160
1140
1120
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

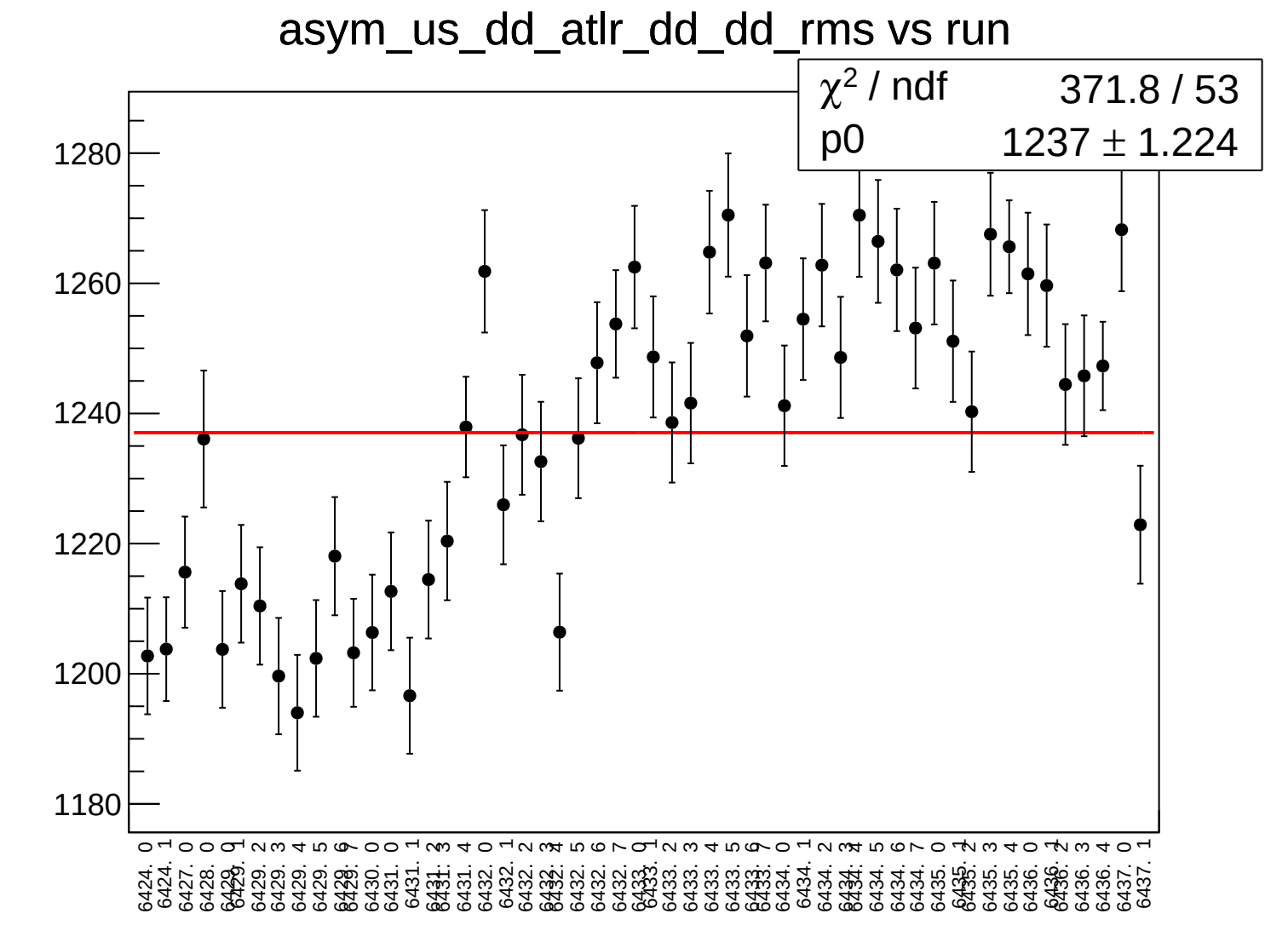

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.44 / 53
p0 636.2 ± 631.1
pull
Entries 54
Mean 5.221
Std Dev 0


pull1D
Entries 54
Mean 0.009963
Std Dev 1.19


asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2258 / 53
p0 450.7 ± 0.4462
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 60.46 / 53
p0 −388.3 ± 1730
pull
Entries 54
Mean 473.4
Std Dev 0


pull1D
Entries 54
Mean 0.005658
Std Dev 1.058


asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 371.8 / 53
p0 1237 ± 1.224
1280
1260
1240
1220
1200
1180
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
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6434. 5
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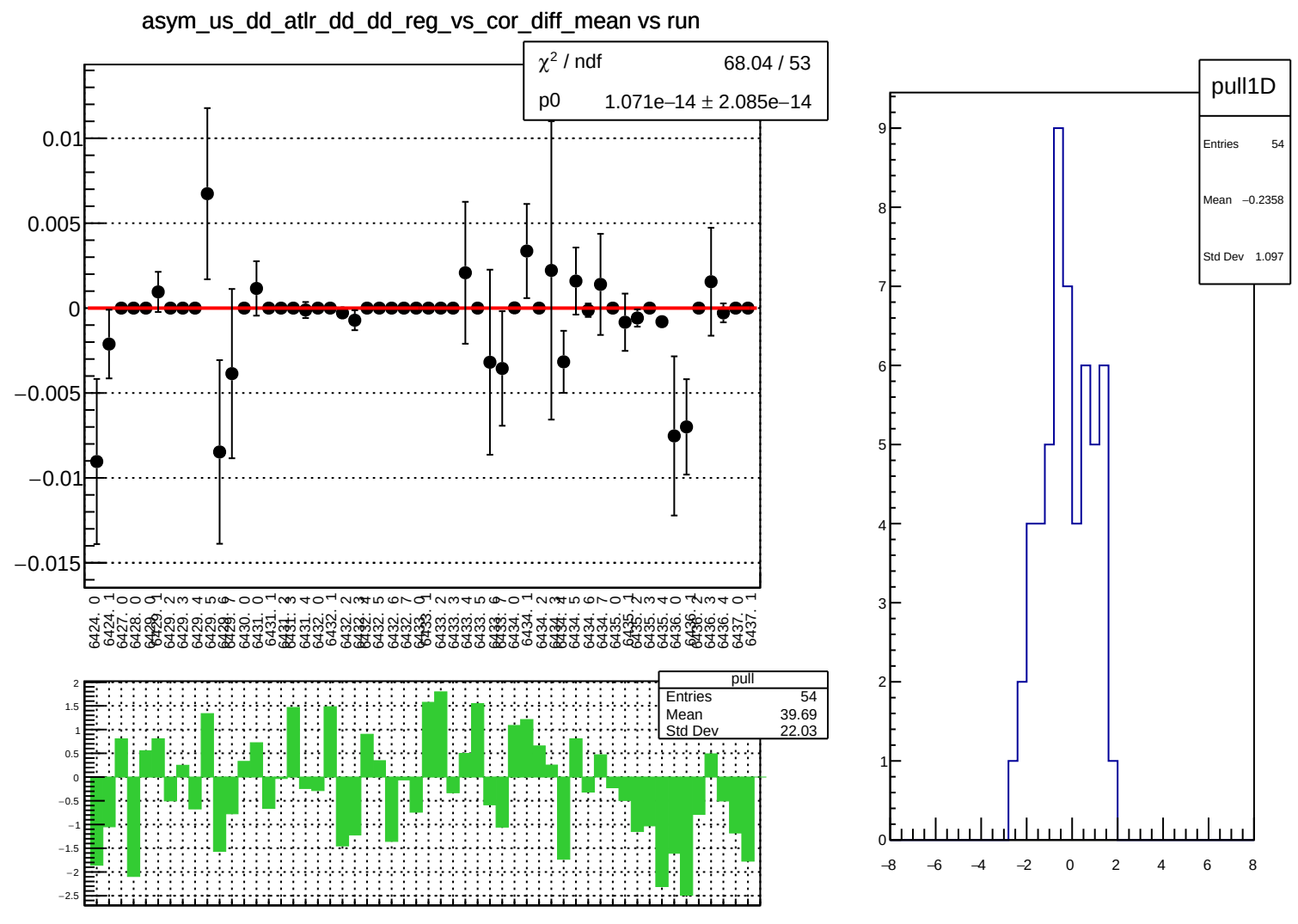
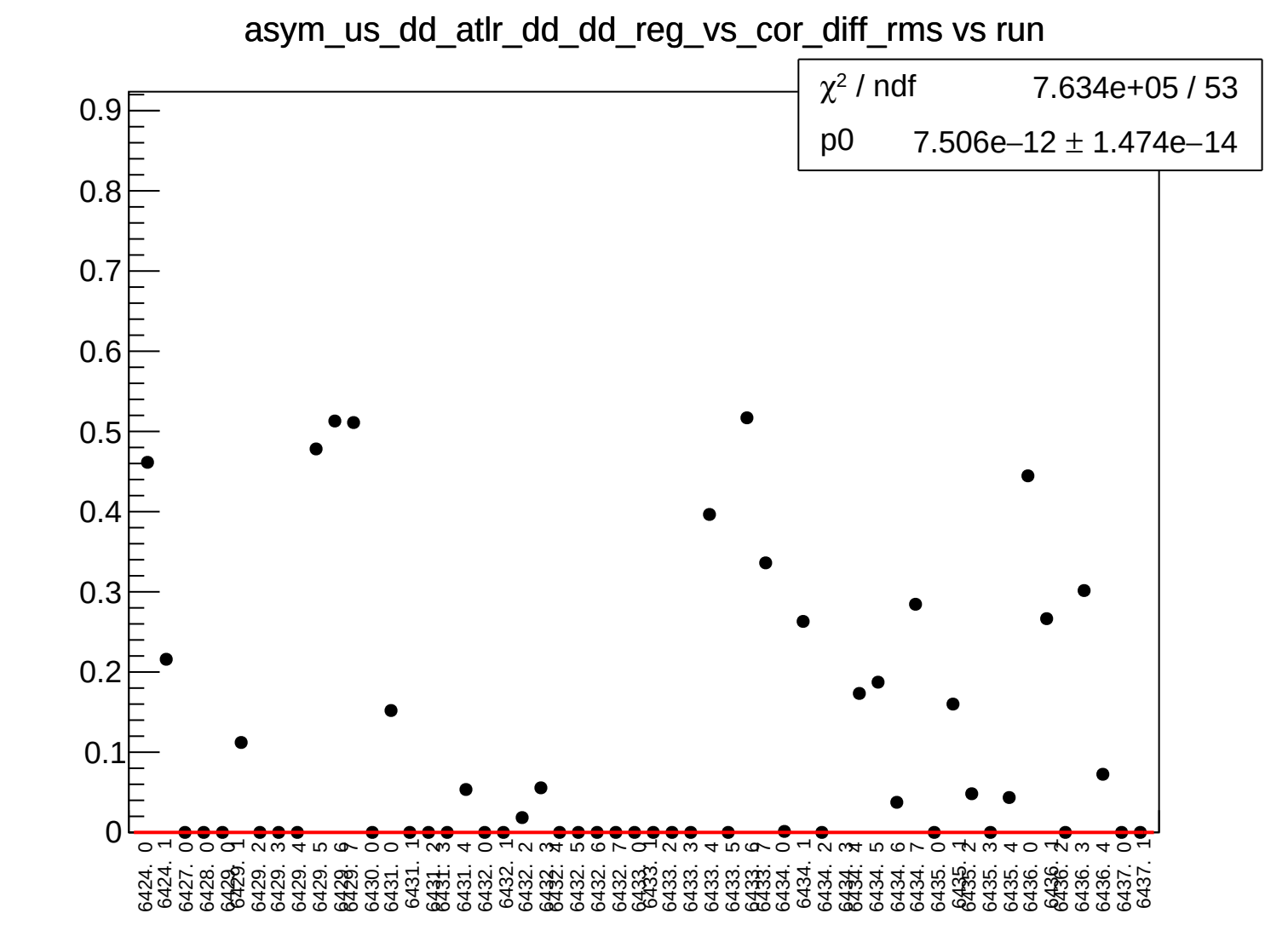
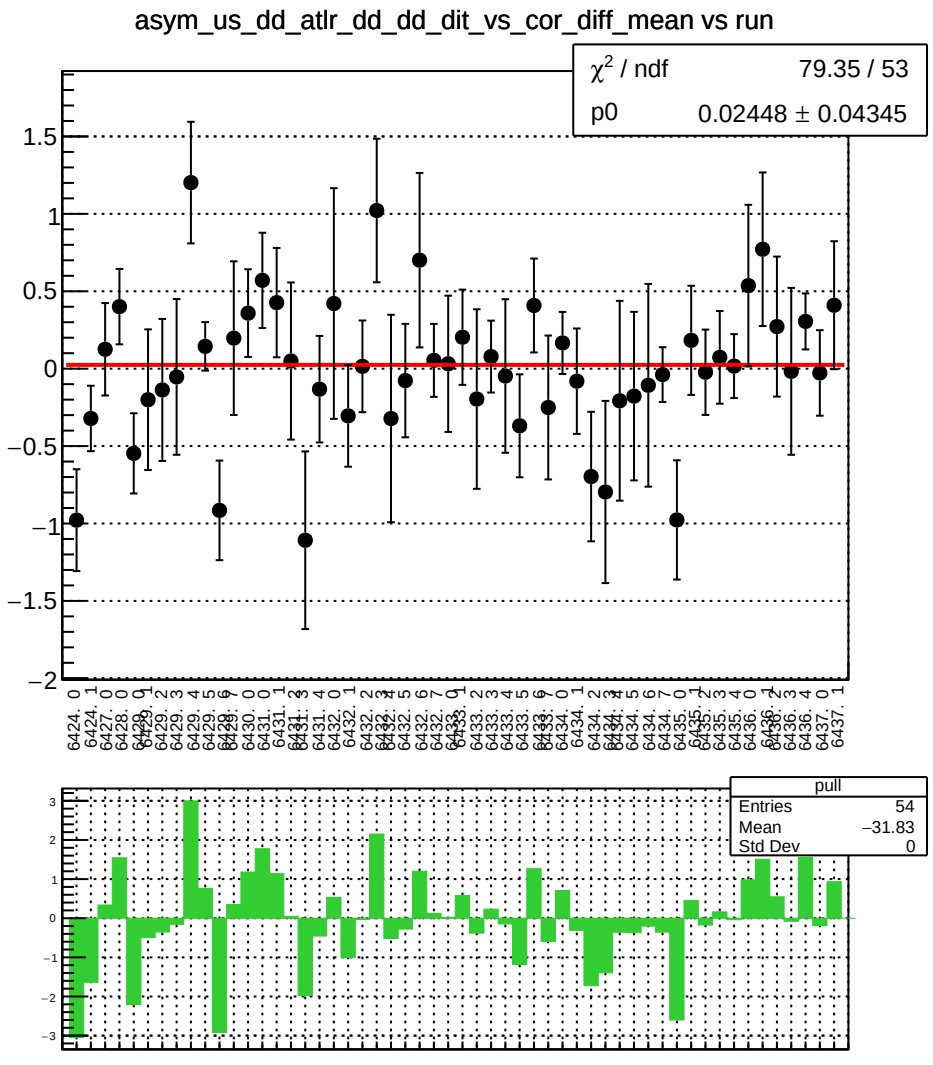
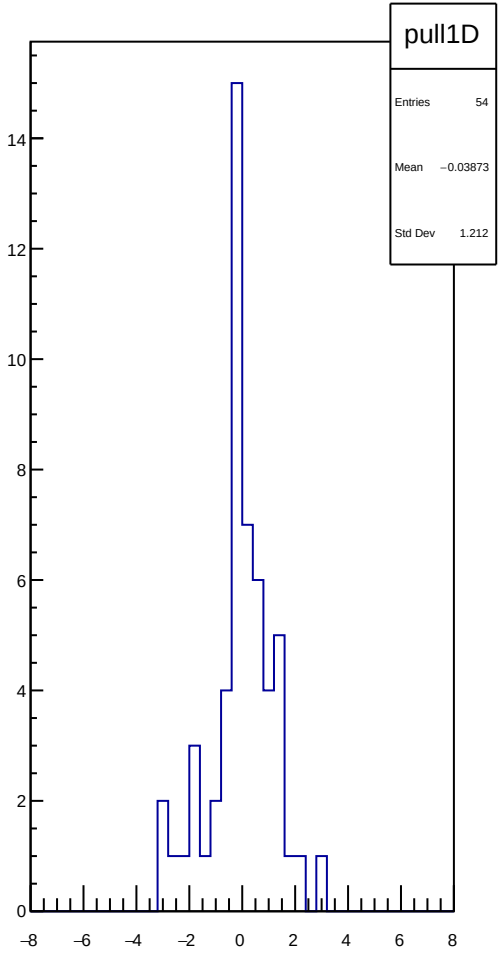
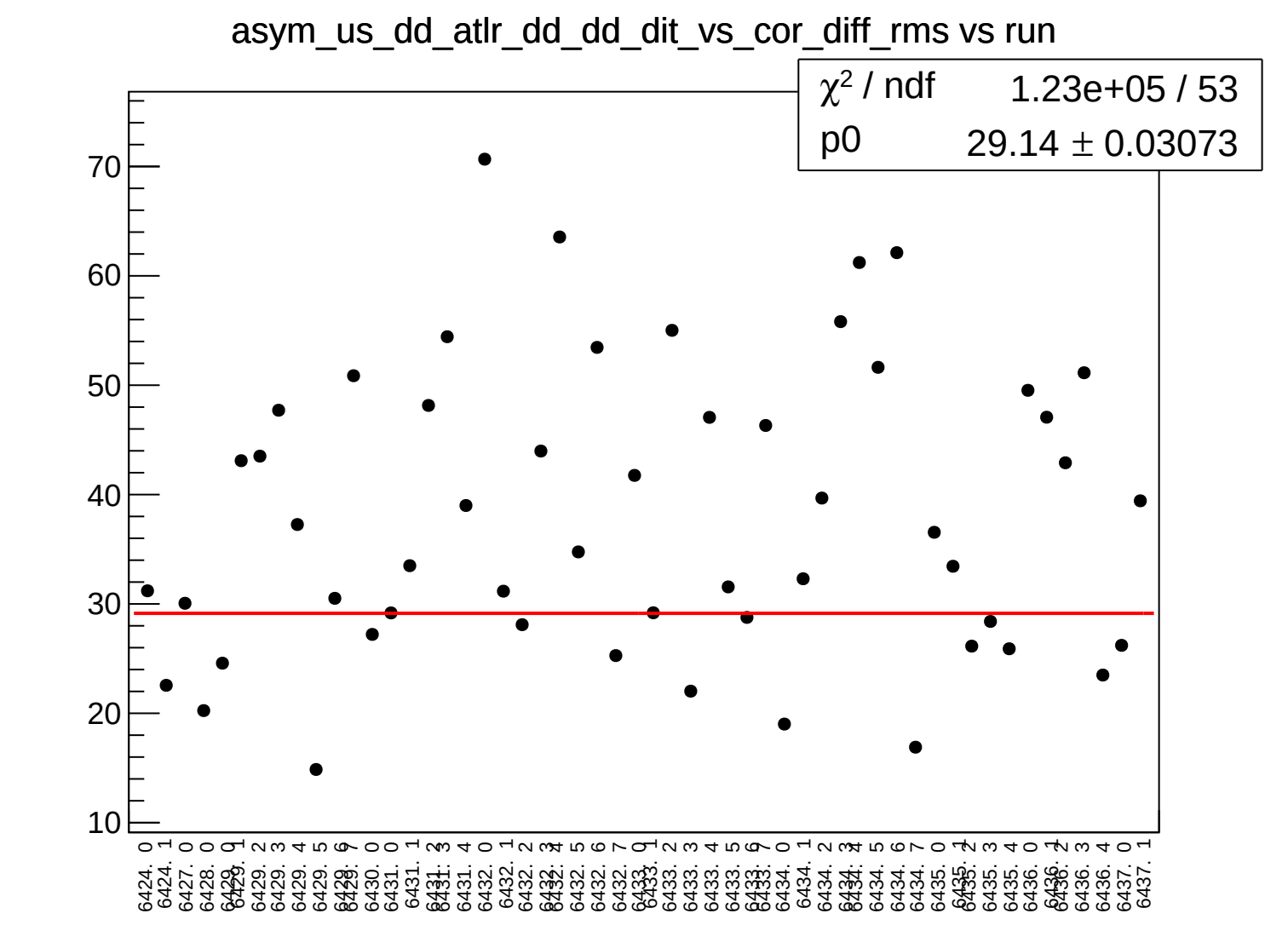
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

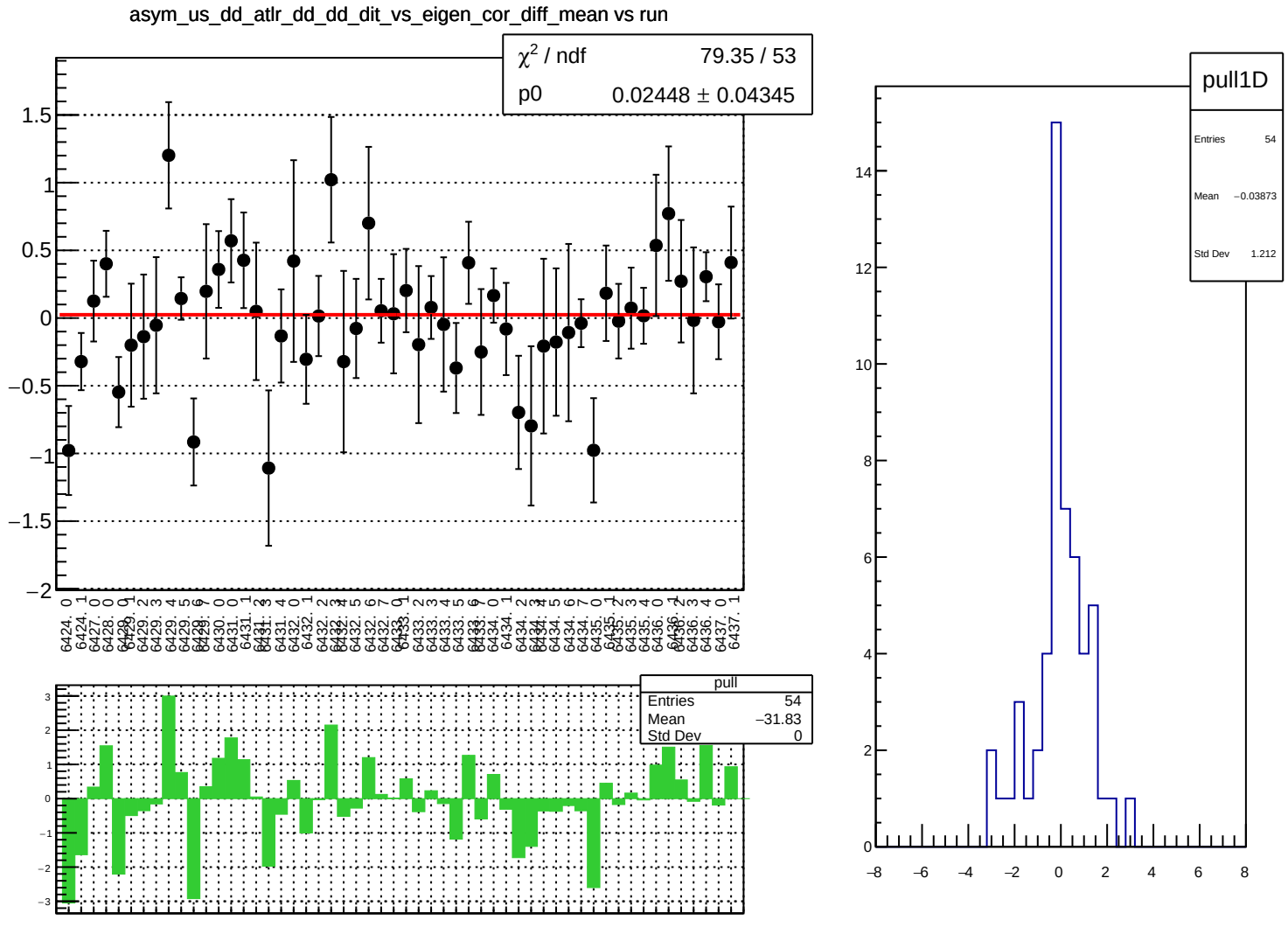

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.04 / 53
p0 1.071e−14 ± 2.085e−14
pull
Entries 54
Mean 39.69
Std Dev 22.03
pull1D
Entries 54
Mean −0.2358
Std Dev 1.097

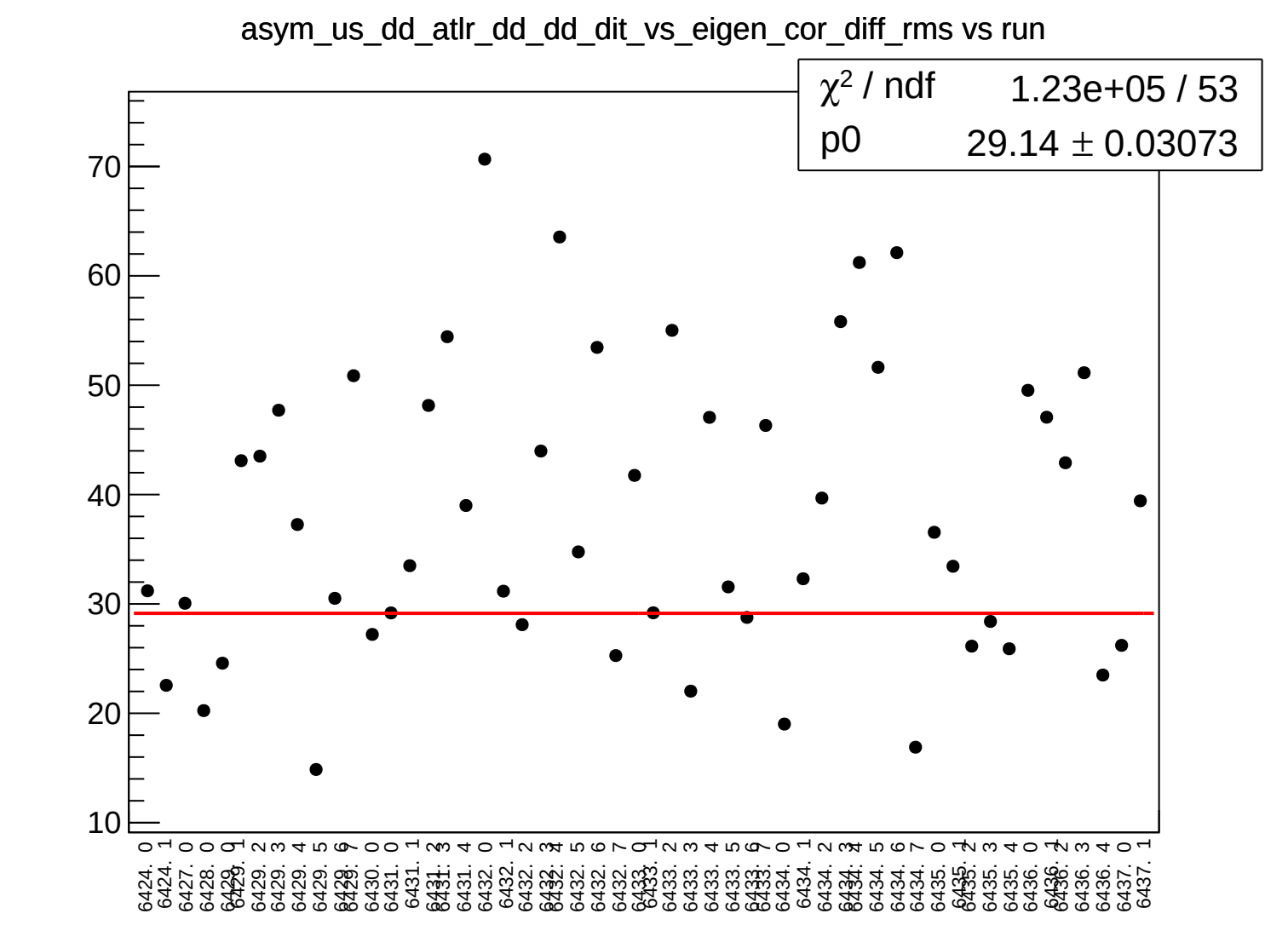

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.634e+05 / 53
p0 7.506e−12 ± 1.474e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

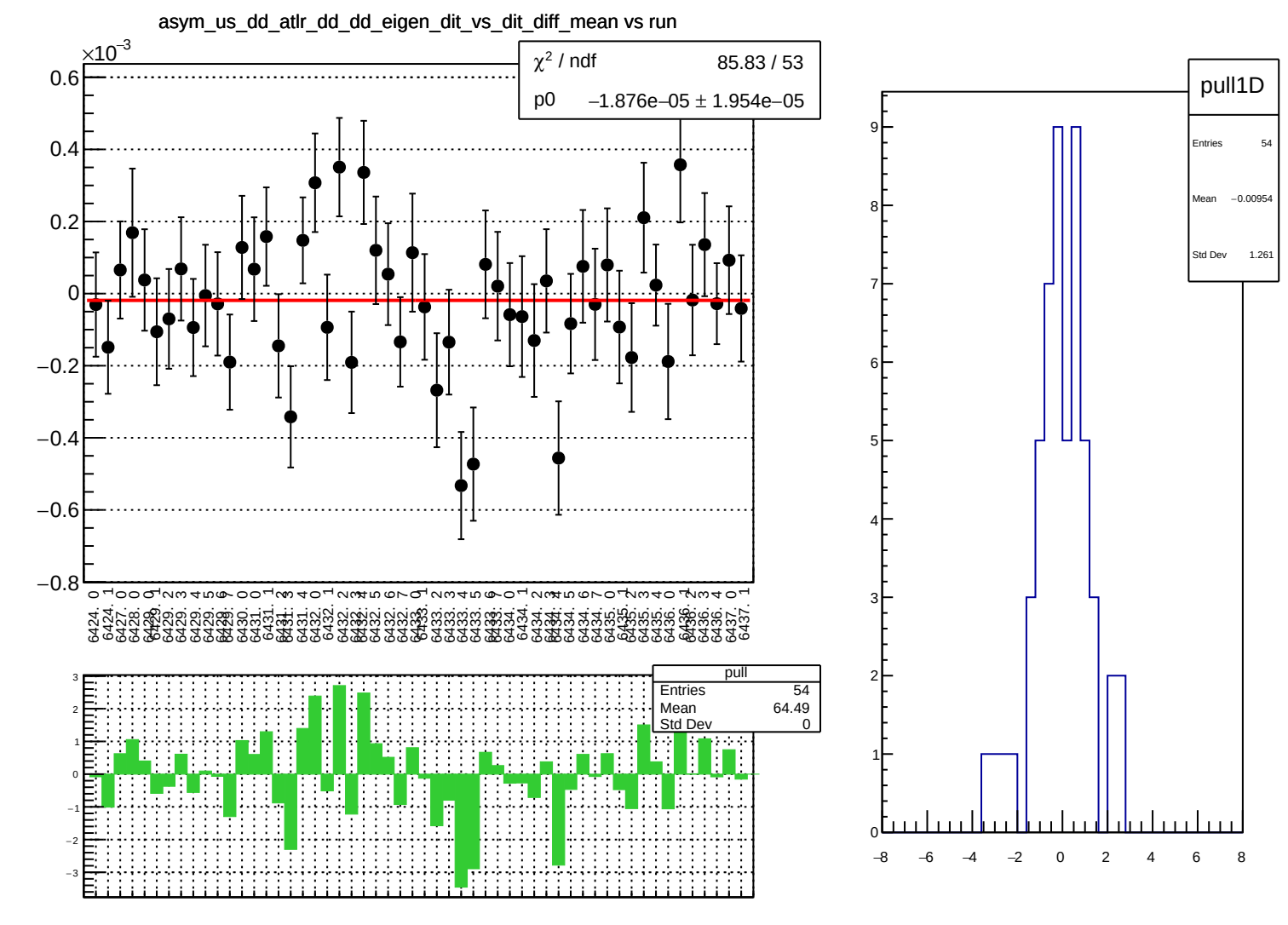

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.35 / 53
p0 0.02448 ± 0.04345
pull
Entries 54
Mean −31.83
Std Dev 0

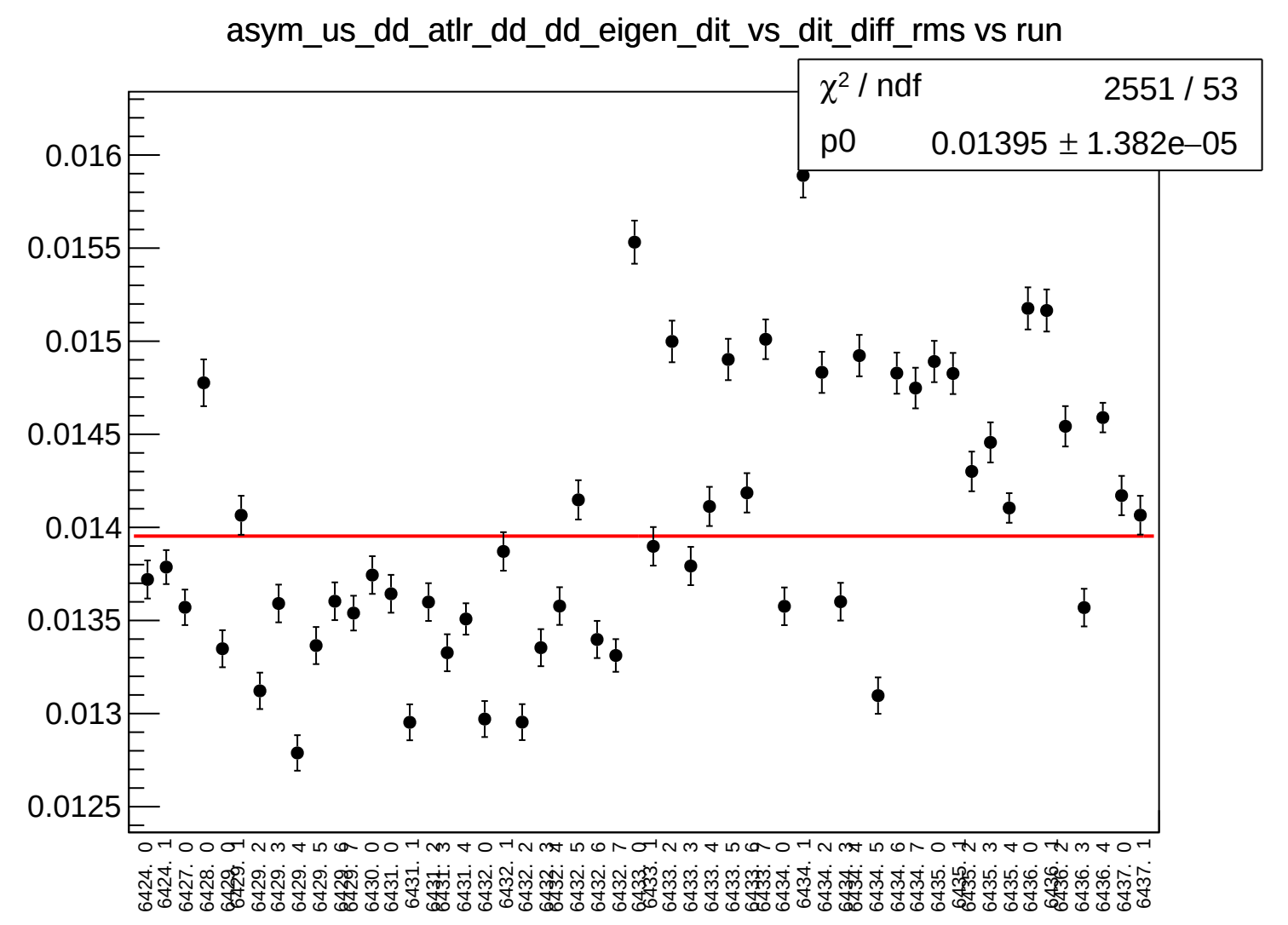

pull1D
Entries 54
Mean −0.03873
Std Dev 1.212

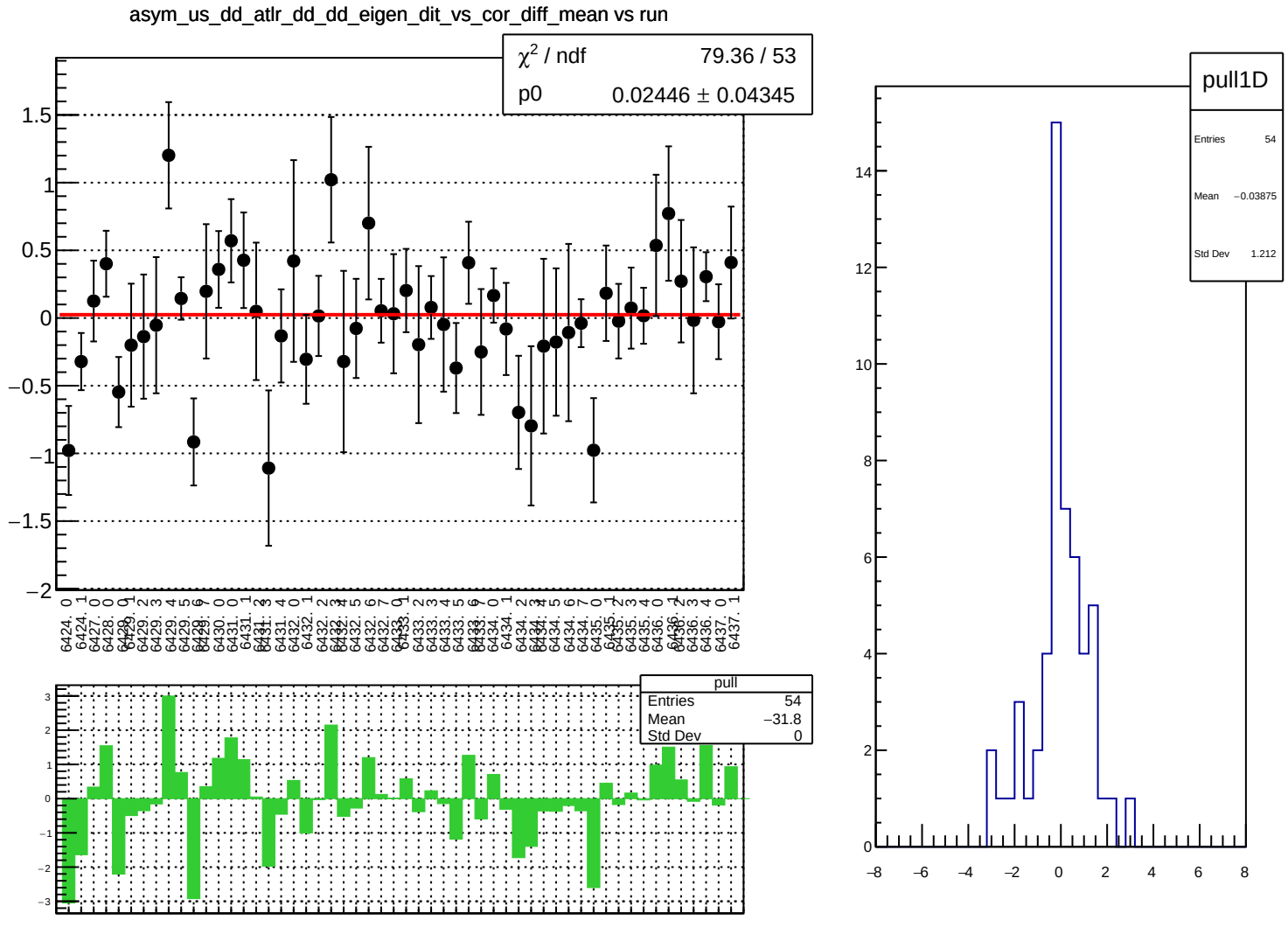

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.23e+05 / 53
p0 29.14 ± 0.03073
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

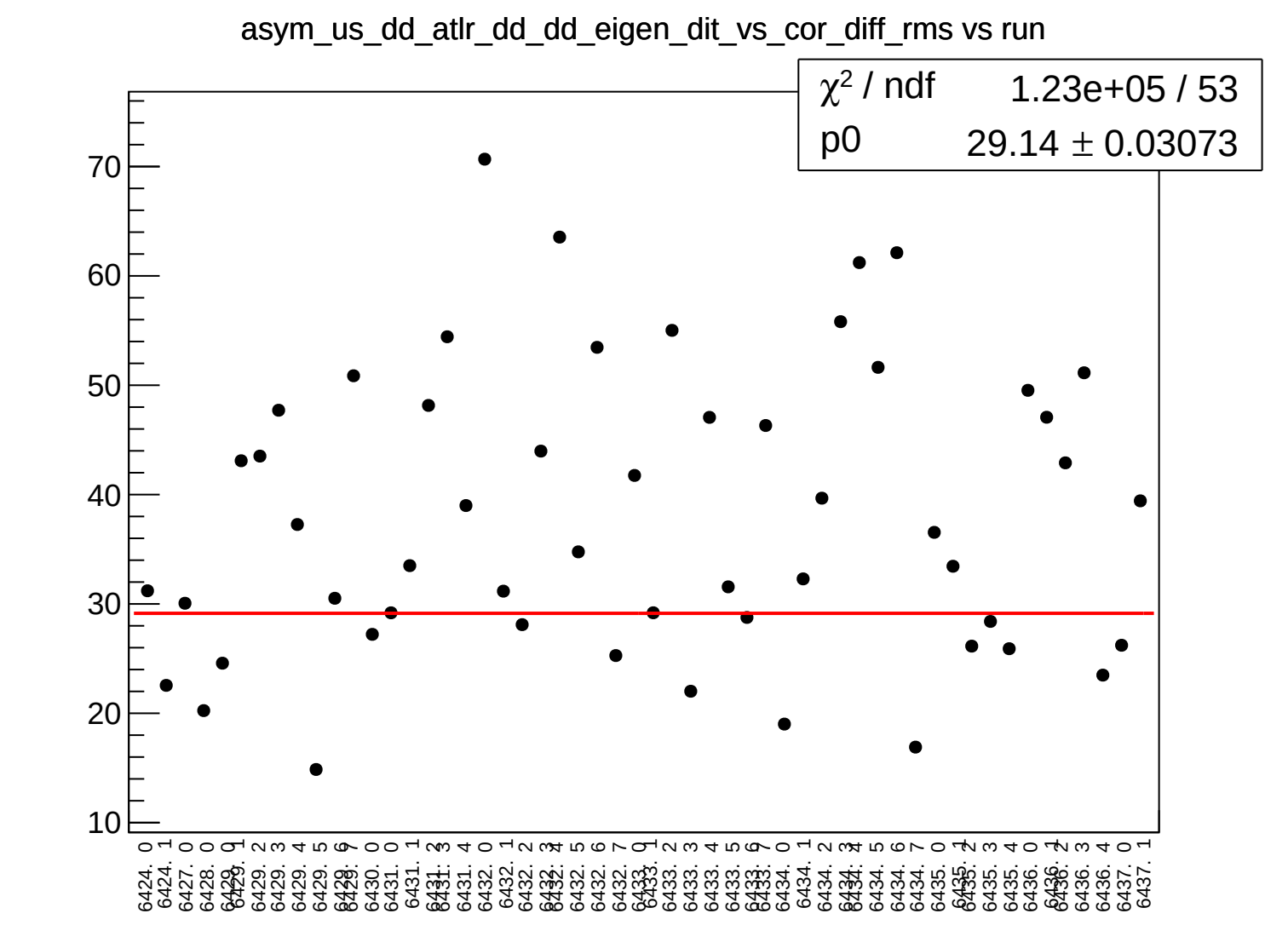

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.35 / 53
p0 0.02448 ± 0.04345
pull
Entries 54
Mean −31.83
Std Dev 0
pull1D
Entries 54
Mean −0.03873
Std Dev 1.212

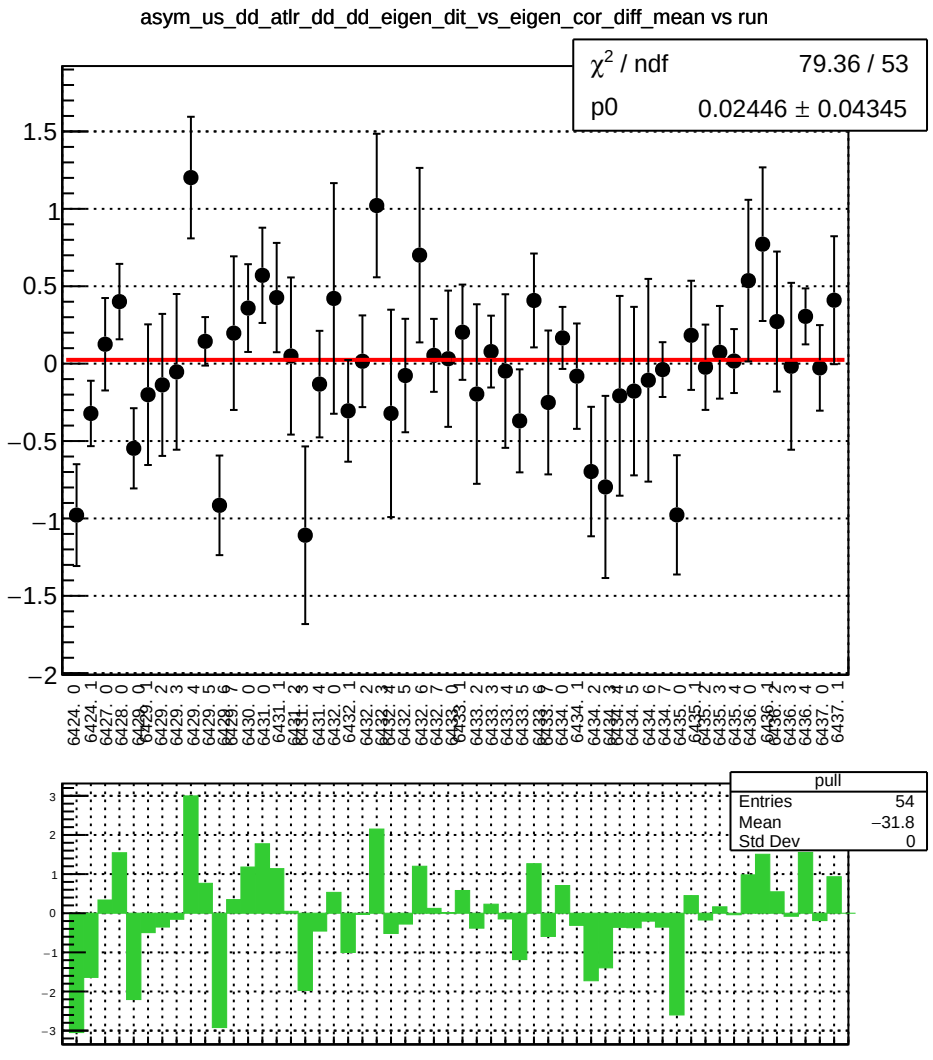

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.23e+05 / 53
p0 29.14 ± 0.03073
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

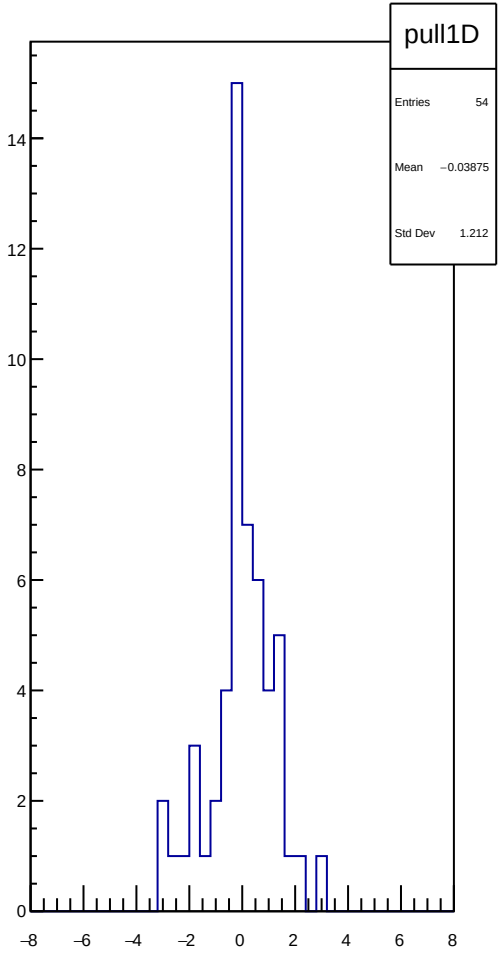

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.83 / 53
p0 −1.876e−05 ± 1.954e−05
pull
Entries 54
Mean 64.49
Std Dev 0
pull1D
Entries 54
Mean −0.00954
Std Dev 1.261

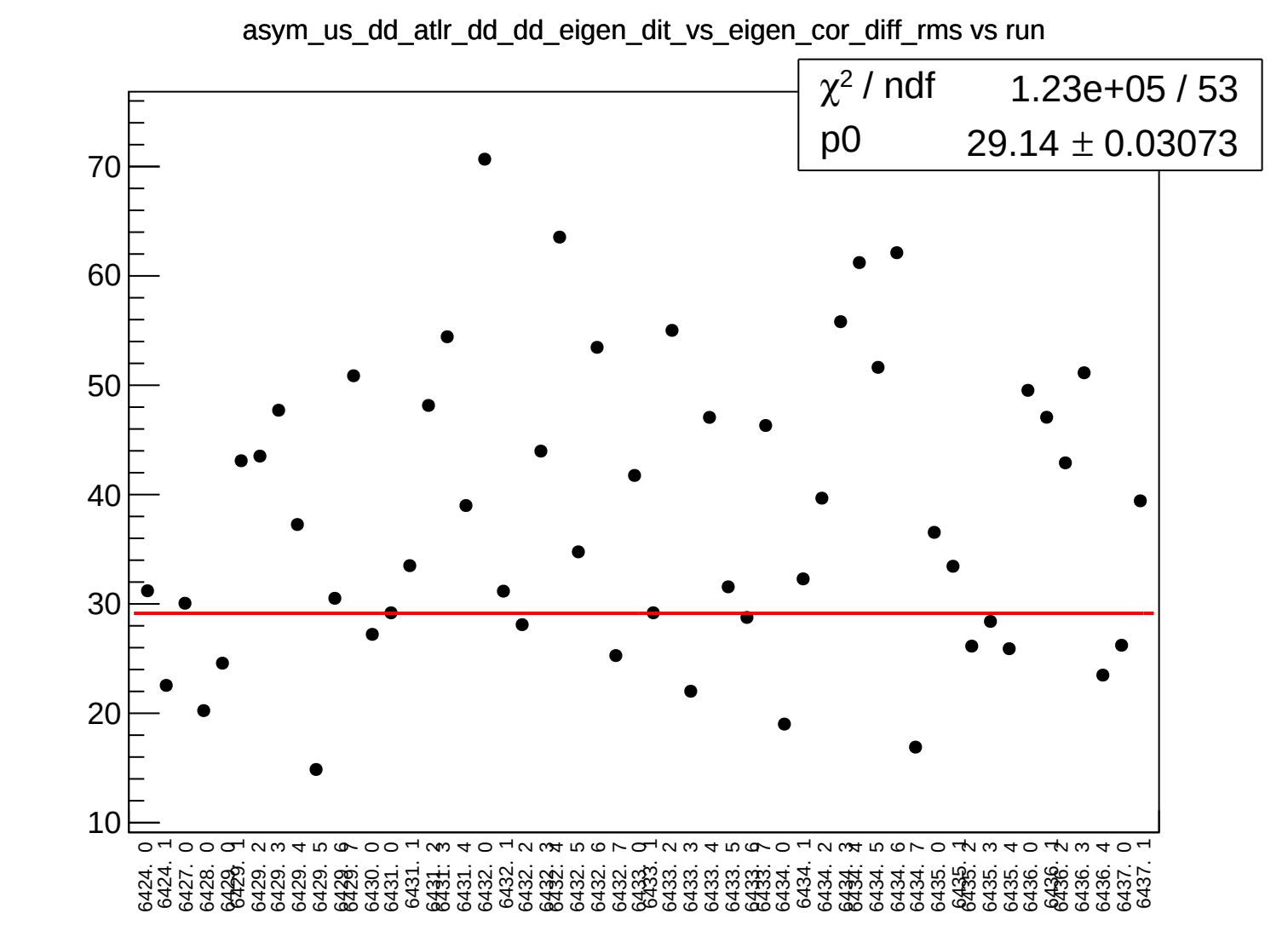

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2551 / 53
p0 0.01395 ± 1.382e–05
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

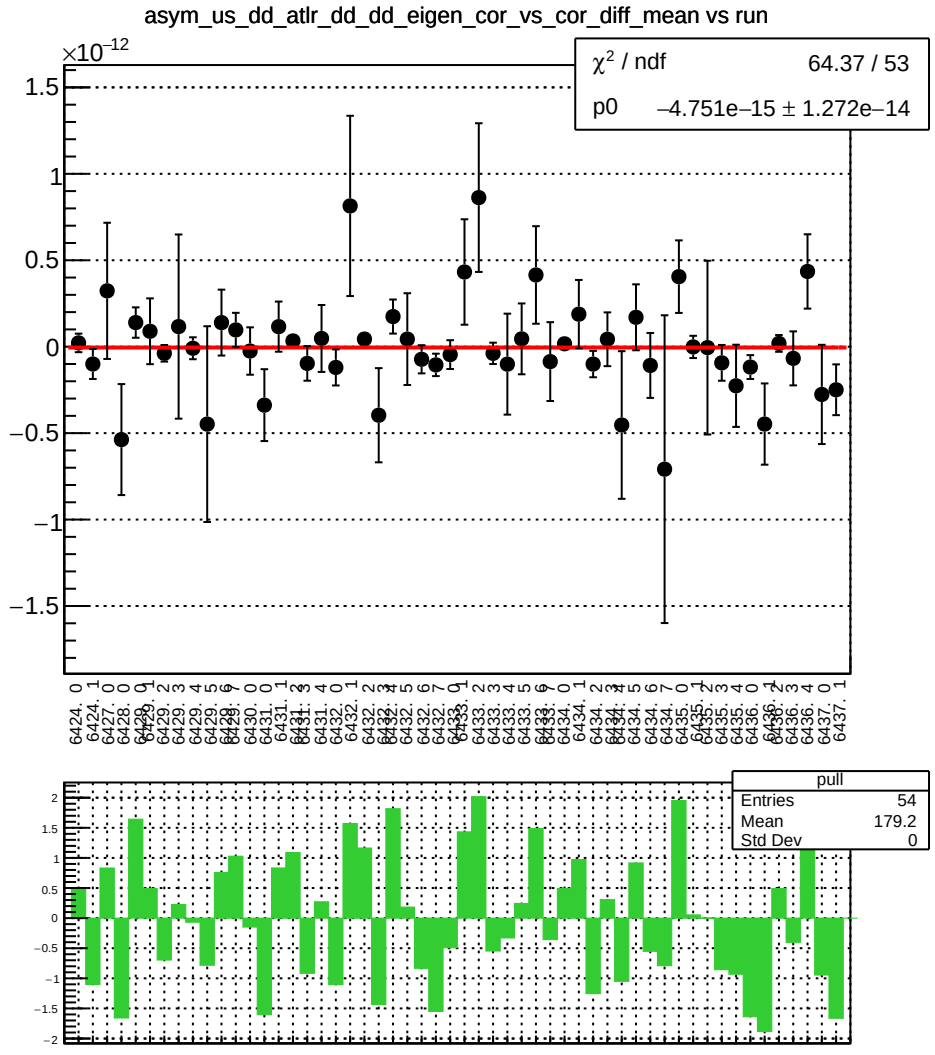

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.36 / 53
p0 0.02446 ± 0.04345
pull
Entries 54
Mean −31.8
Std Dev 0
pull1D
Entries 54
Mean −0.03875
Std Dev 1.212

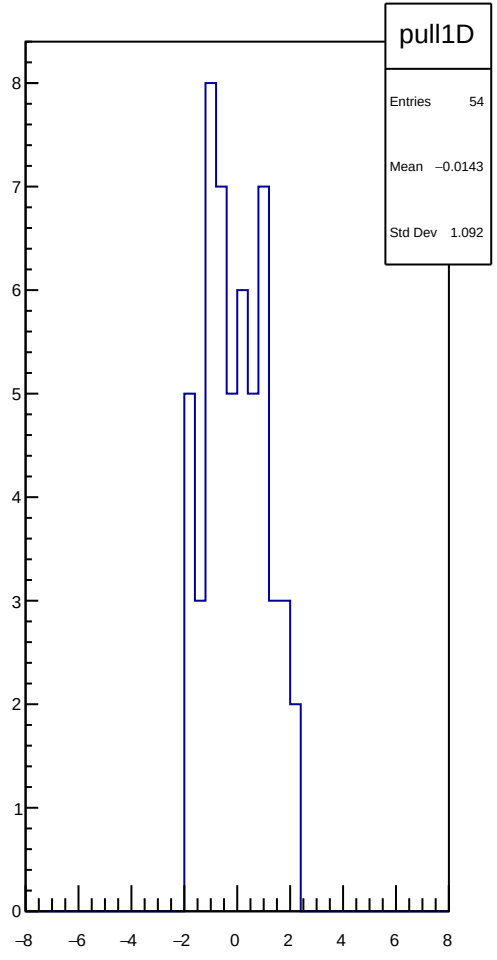

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.23e+05 / 53
p0 29.14 ± 0.03073
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

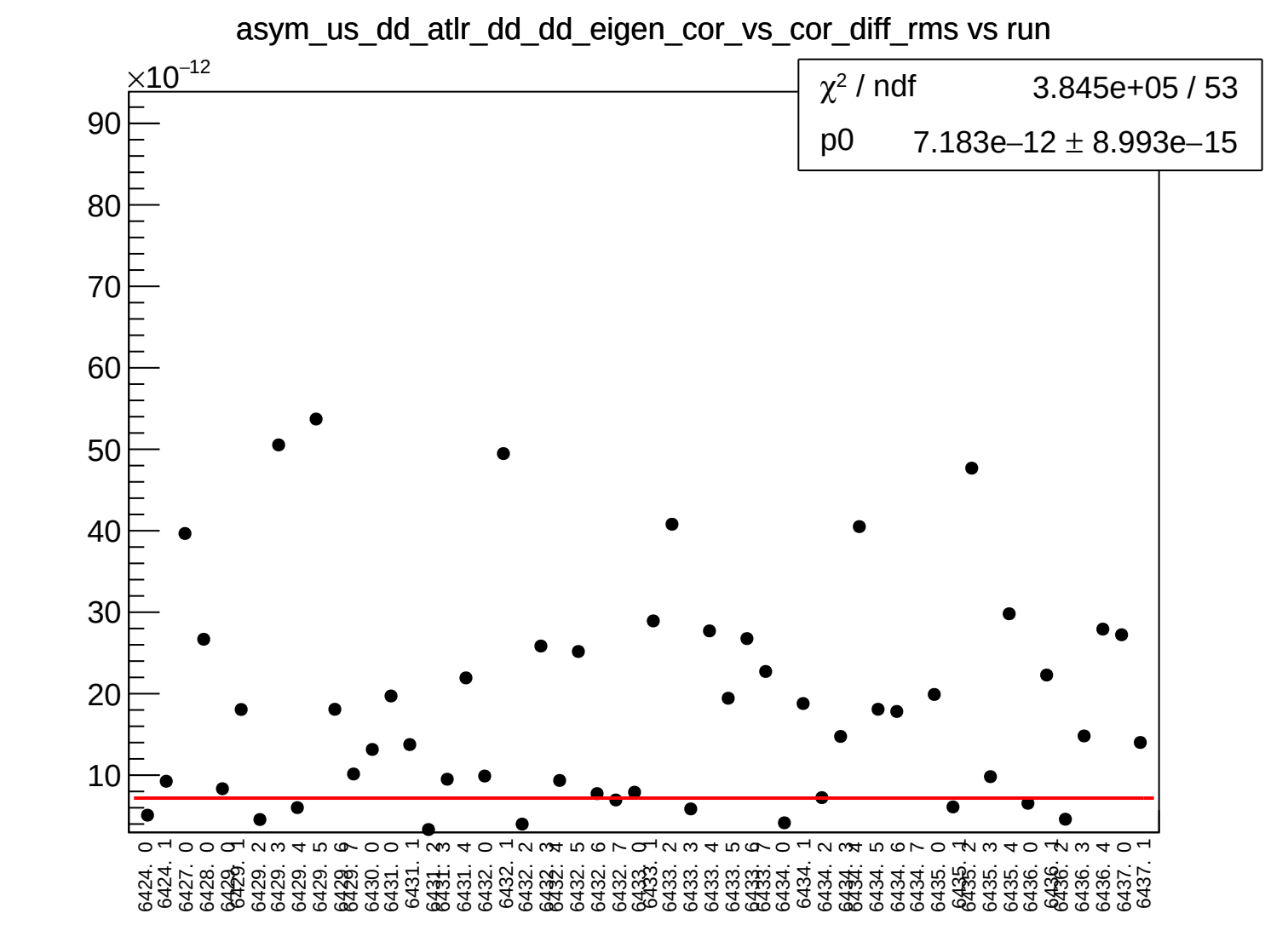

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.36 / 53
p0 0.02446 ± 0.04345
pull
Entries 54
Mean −31.8
Std Dev 0

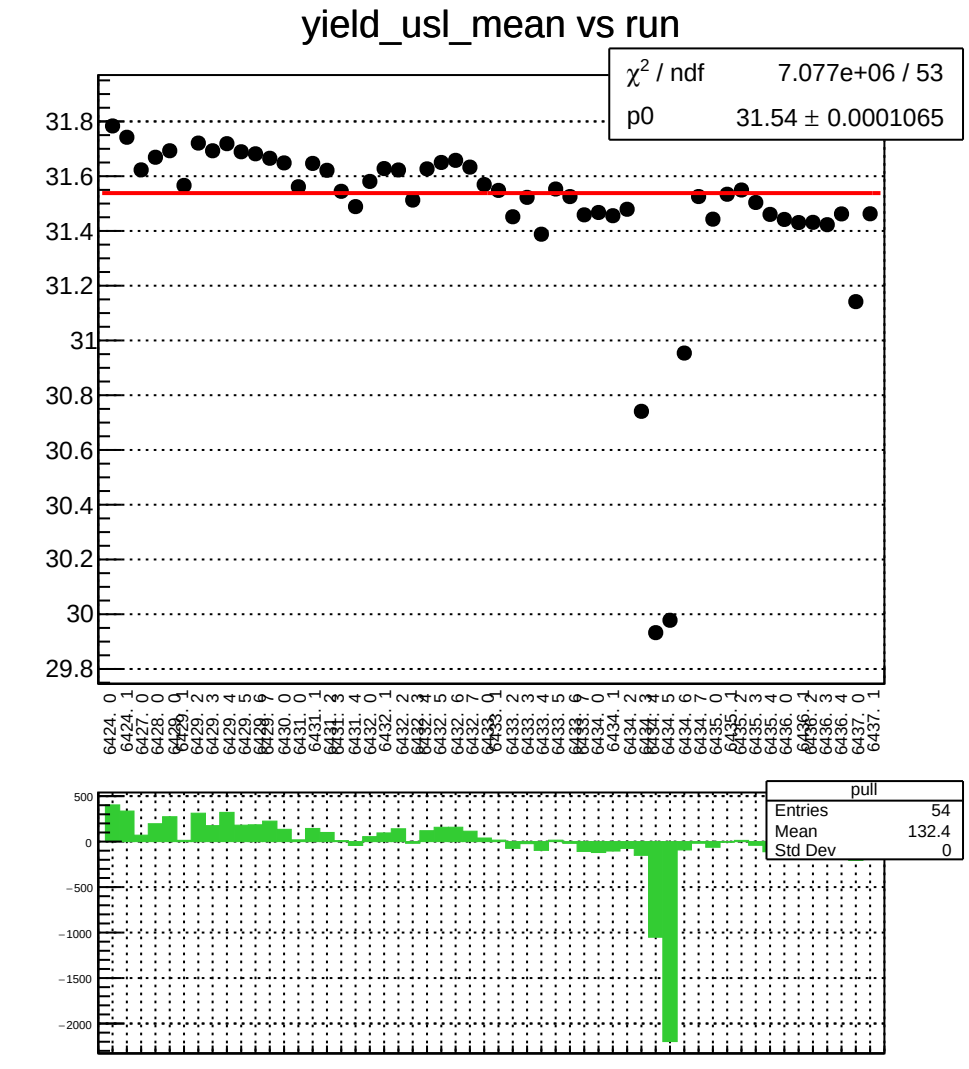

pull1D
Entries 54
Mean −0.03875
Std Dev 1.212

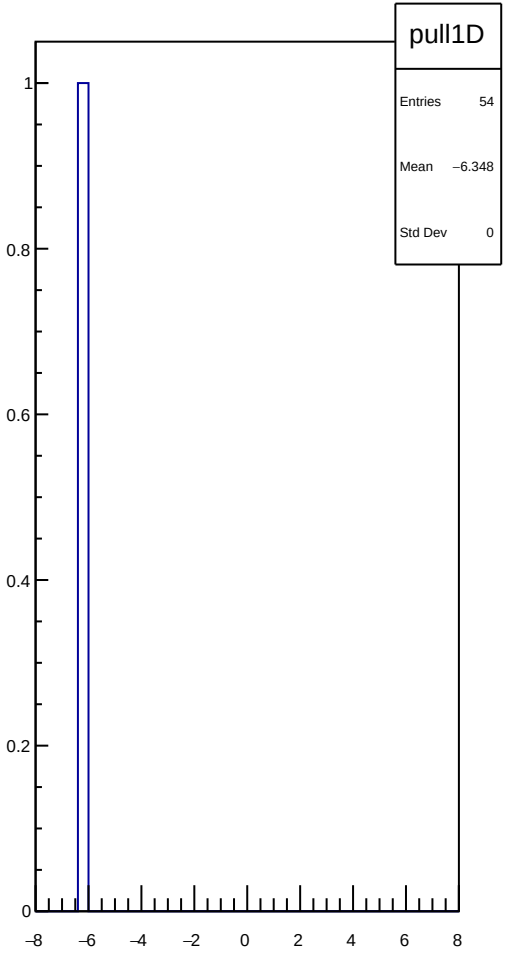

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.23e+05 / 53
p0 29.14 ± 0.03073
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

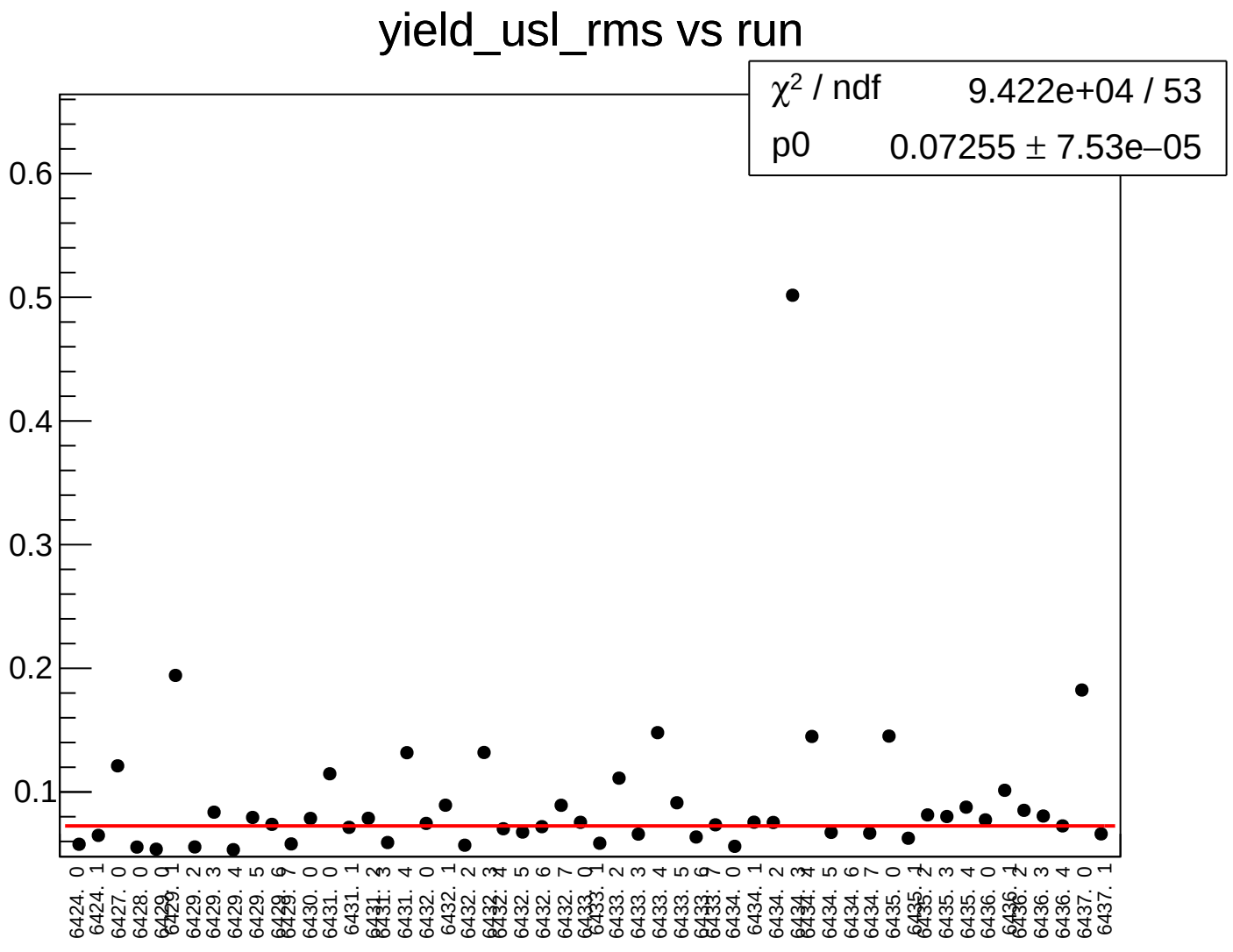

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.37 / 53
p0 −4.751e−15 ± 1.272e−14
pull
Entries 54
Mean 179.2
Std Dev 0

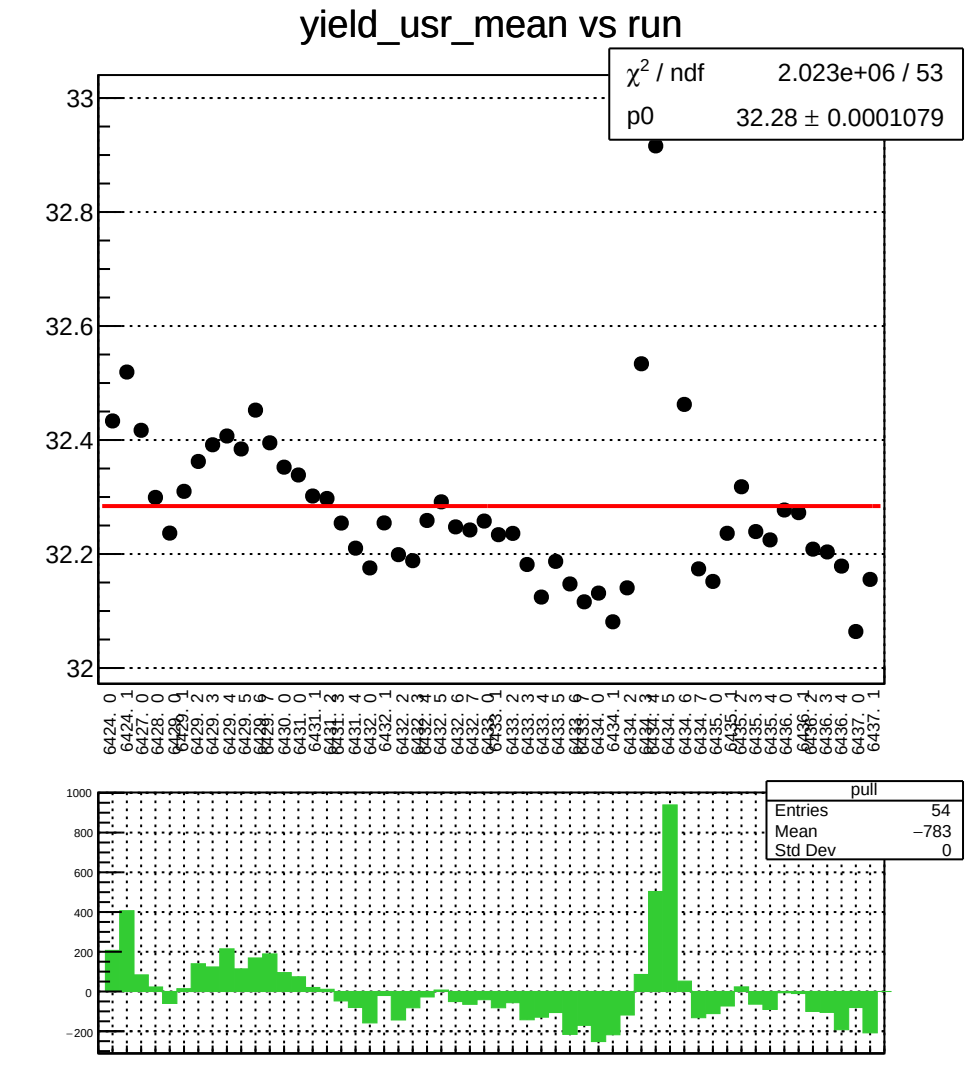

pull1D
Entries 54
Mean −0.0143
Std Dev 1.092

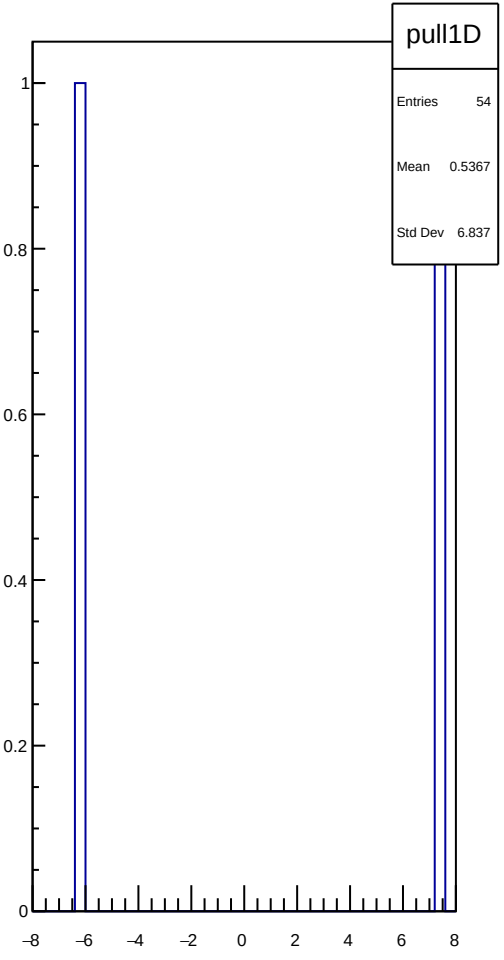

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.845e+05 / 53
p0 7.183e−12 ± 8.993e−15
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

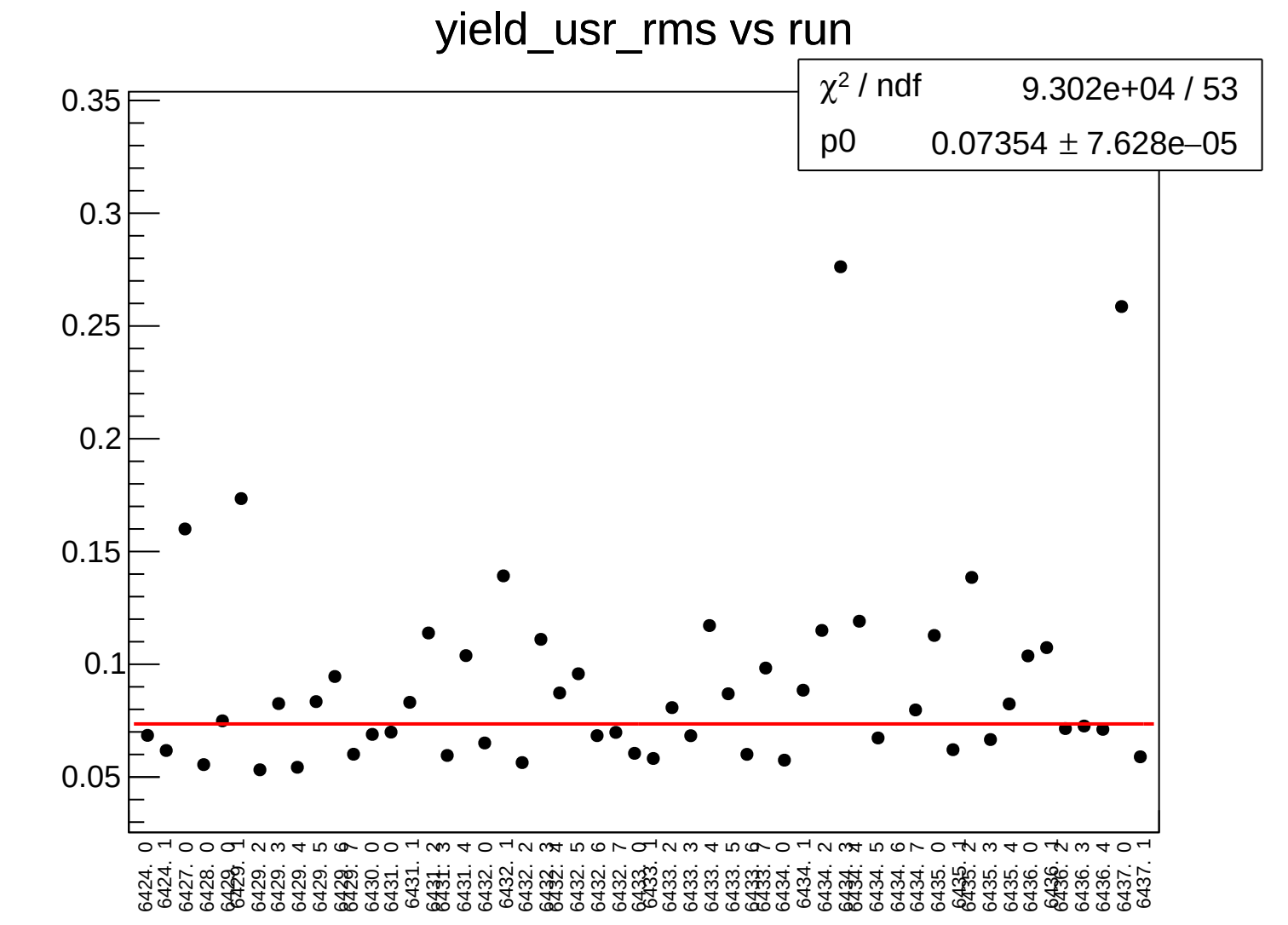

yield_usl_mean vs run
χ² / ndf 7.077e+06 / 53
p0 31.54 ± 0.0001065
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
29.8
pull
Entries 54
Mean 132.4
Std Dev 0
500
0
−500
−1000
−1500
−2000

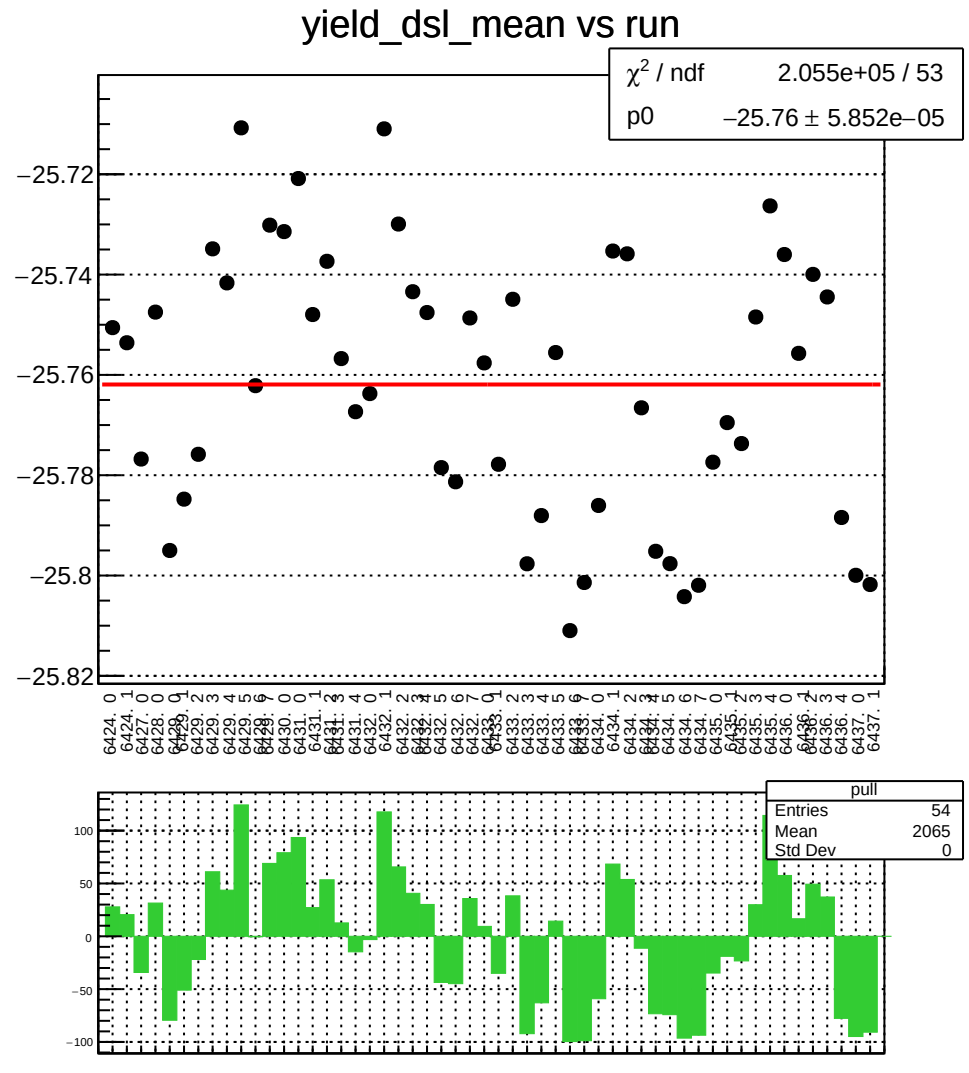

pull1D
Entries 54
Mean −6.348
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

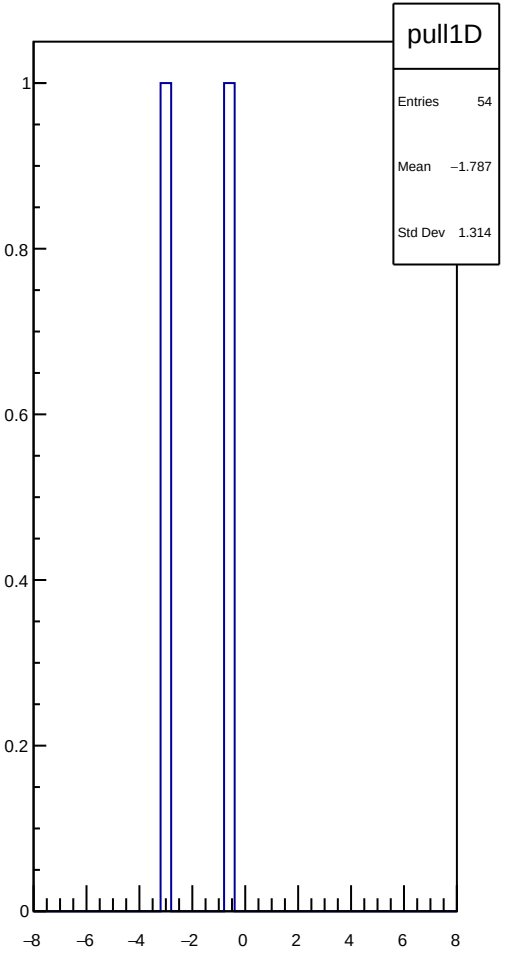

yield_usl_rms vs run
χ² / ndf 9.422e+04 / 53
p0 0.07255 ± 7.53e−05
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

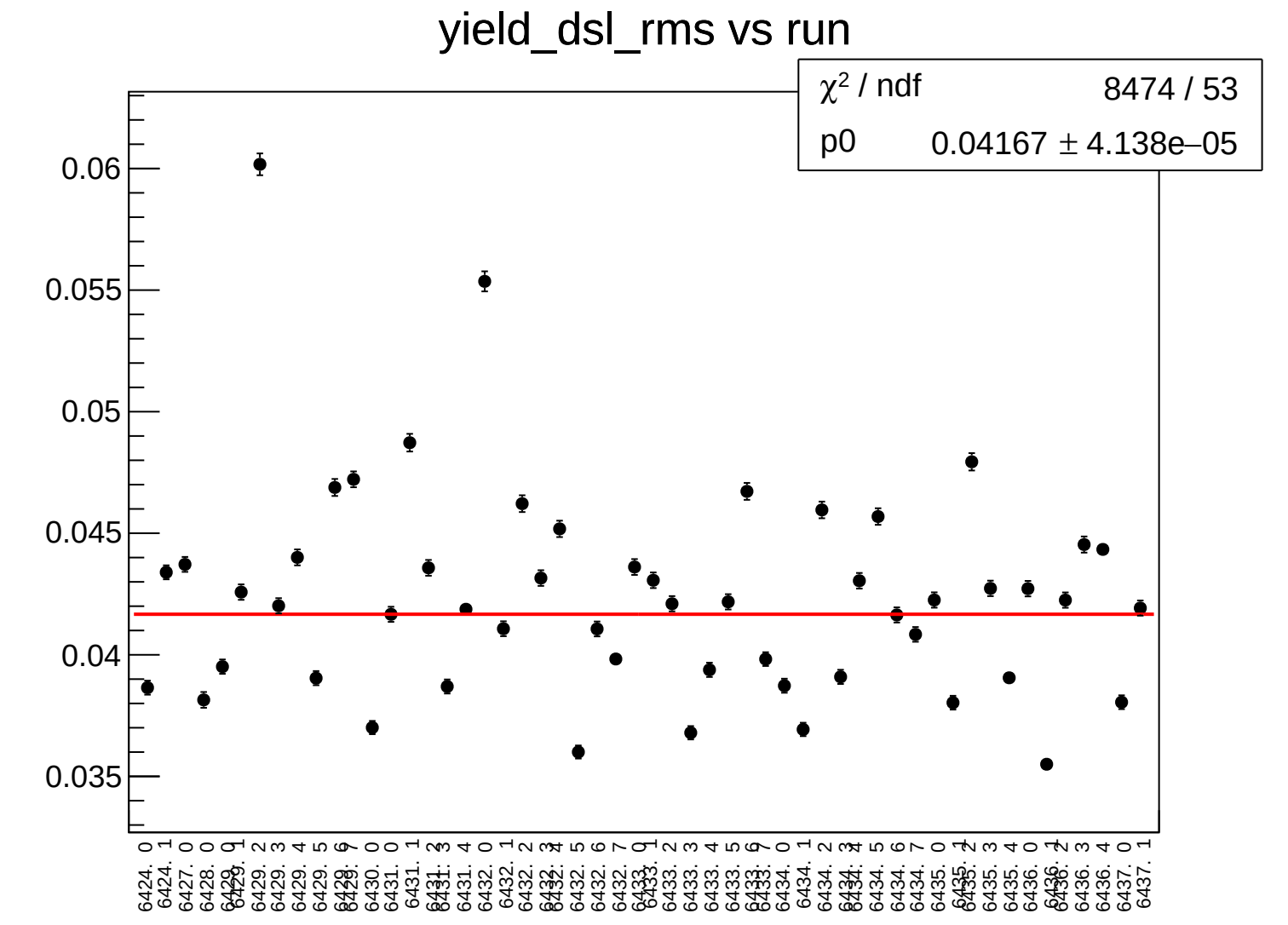

yield_usr_mean vs run
χ² / ndf 2.023e+06 / 53
p0 32.28 ± 0.0001079
pull
Entries 54
Mean −783
Std Dev 0

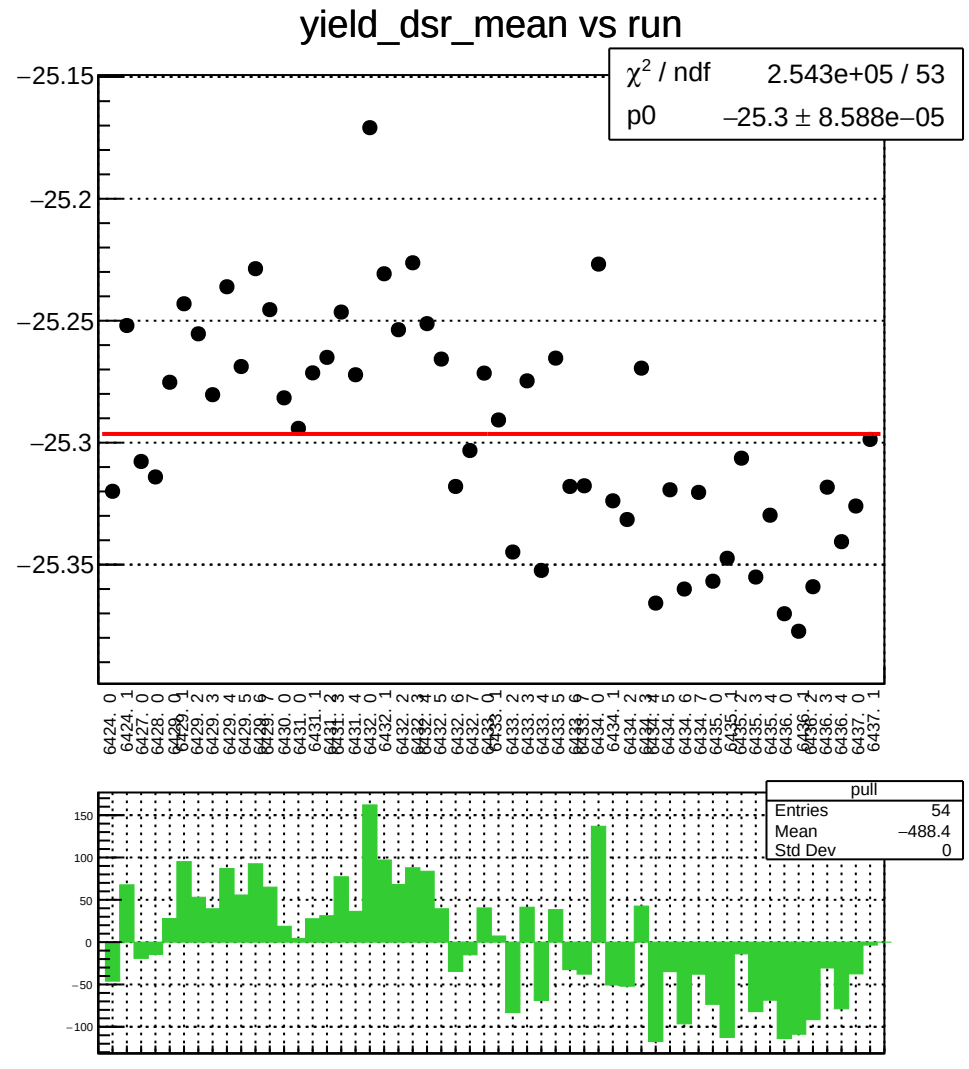

pull1D
Entries 54
Mean 0.5367
Std Dev 6.837

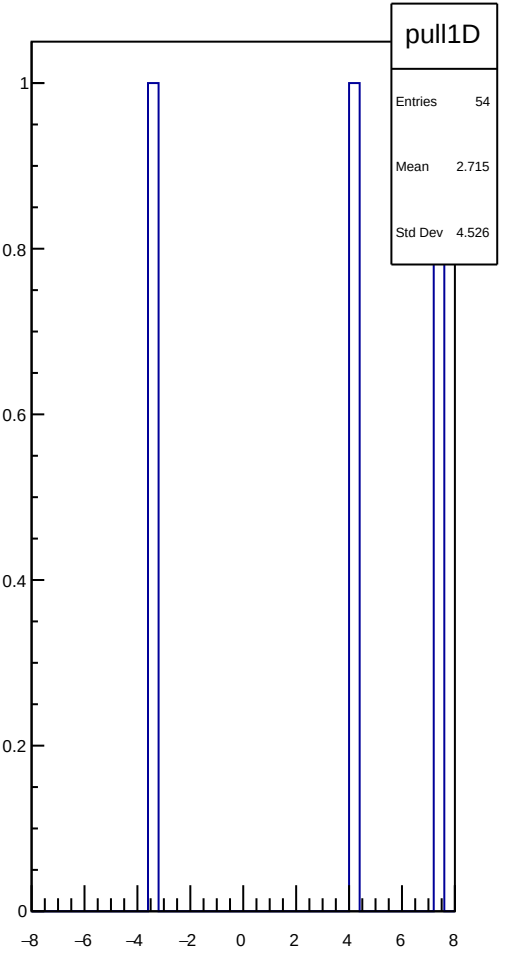

yield_usr_rms vs run
χ² / ndf 9.302e+04 / 53
p0 0.07354 ± 7.628e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

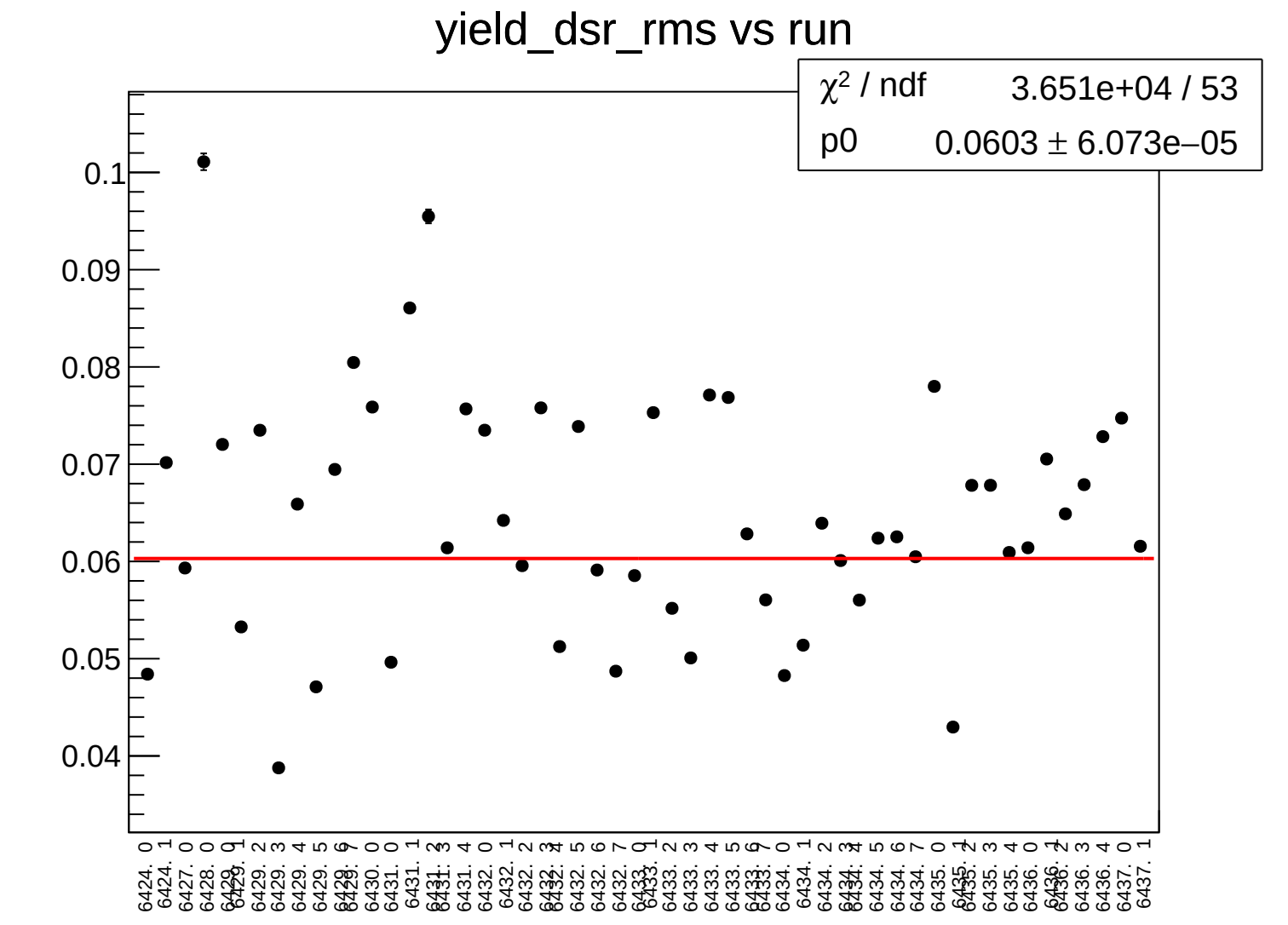

yield_dsl_mean vs run
χ² / ndf 2.055e+05 / 53
p0 −25.76 ± 5.852e−05
−25.72
−25.74
−25.76
−25.78
−25.8
−25.82
pull
Entries 54
Mean 2065
Std Dev 0
100
50
0
−50
−100

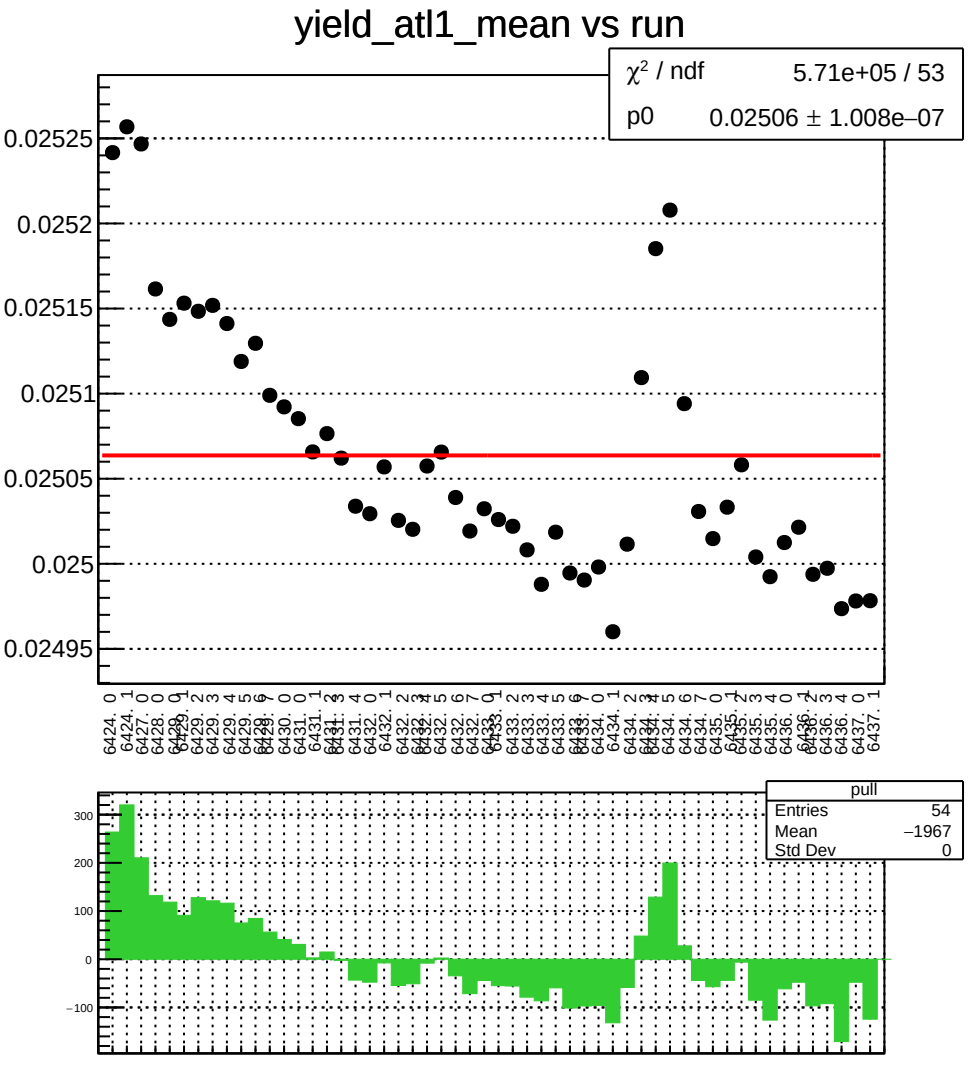

pull1D
Entries 54
Mean −1.787
Std Dev 1.314
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

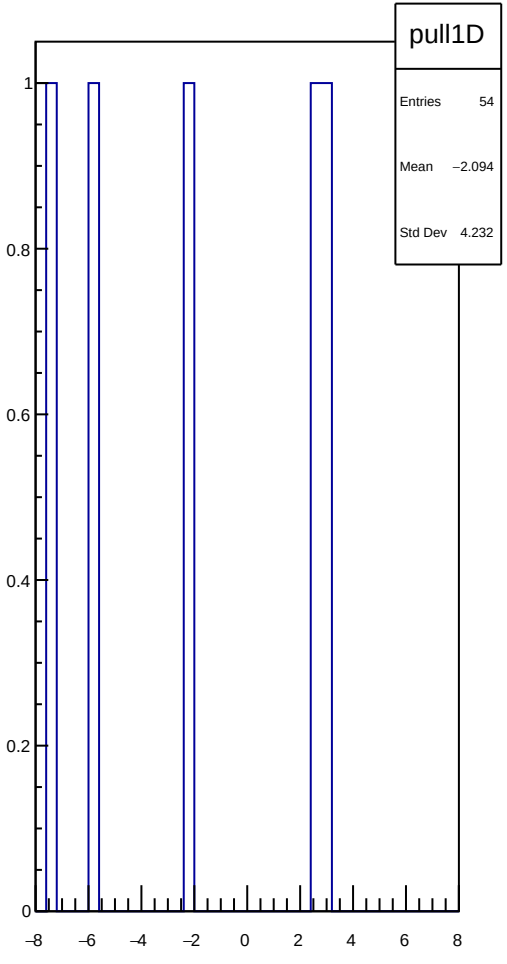

yield_dsl_rms vs run
χ² / ndf 8474 / 53
p0 0.04167 ± 4.138e–05
0.06
0.055
0.05
0.045
0.04
0.035
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

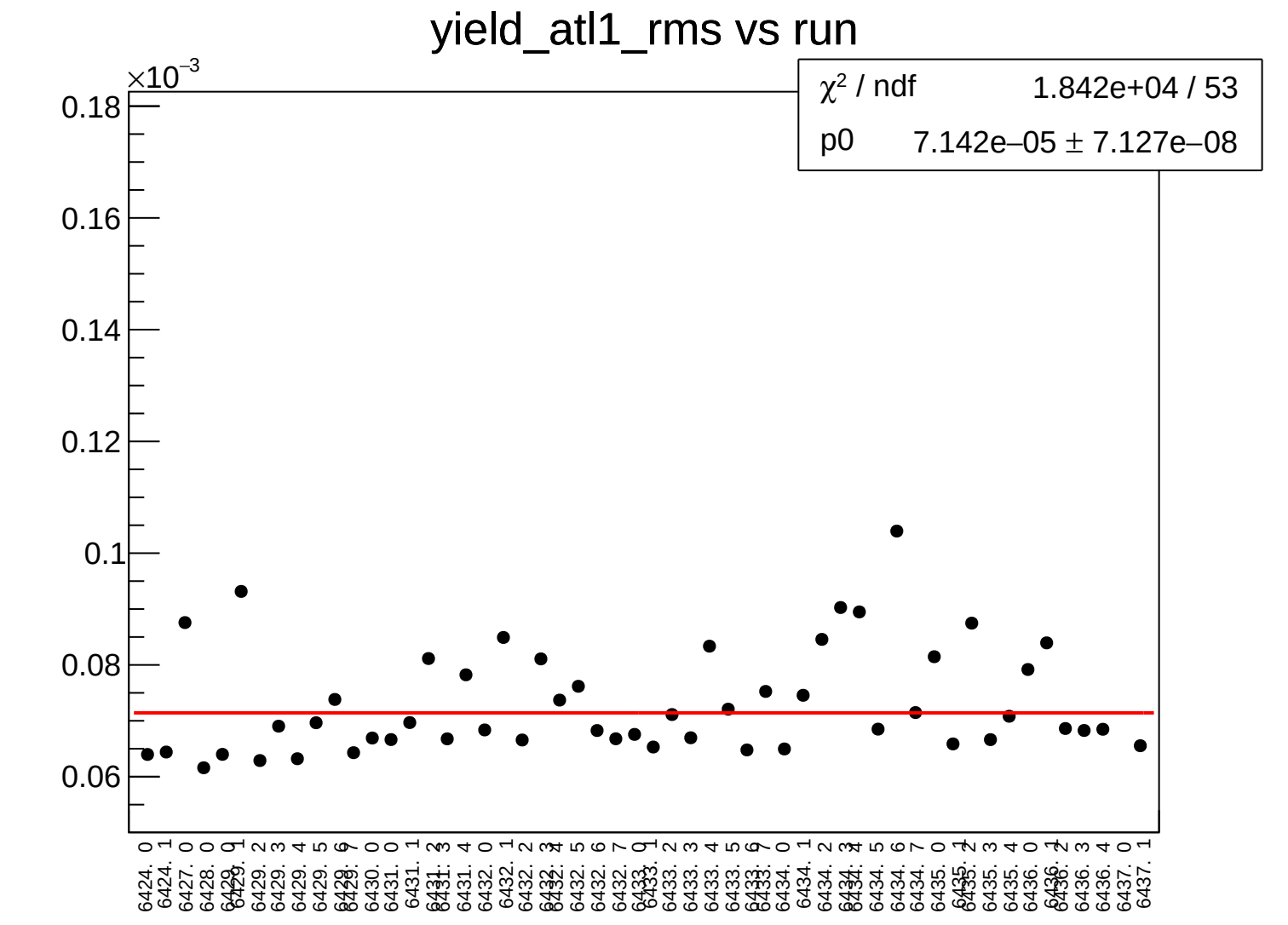

yield_dsr_mean vs run
χ² / ndf 2.543e+05 / 53
p0 −25.3 ± 8.588e−05
−25.15
−25.2
−25.25
−25.3
−25.35
pull
Entries 54
Mean −488.4
Std Dev 0
150
100
50
0
−50
−100

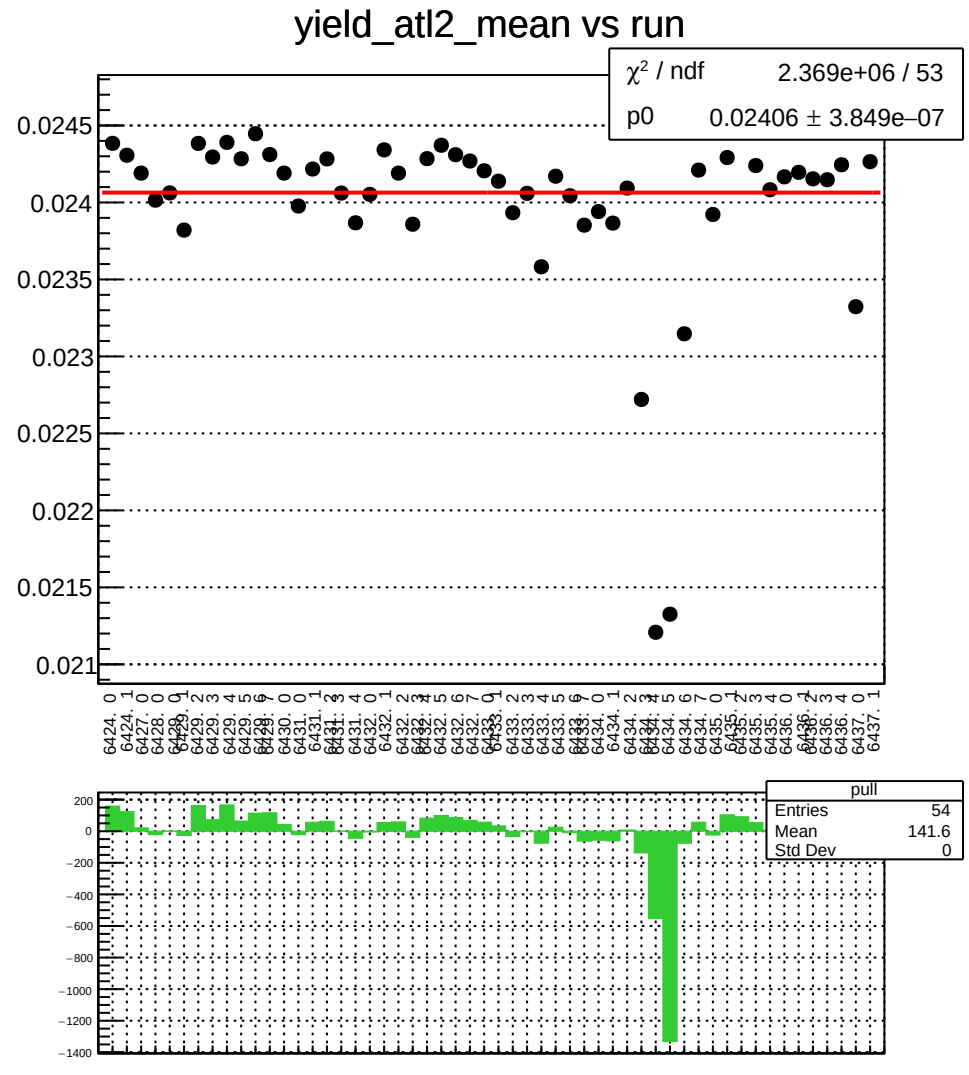

pull1D
Entries 54
Mean 2.715
Std Dev 4.526
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

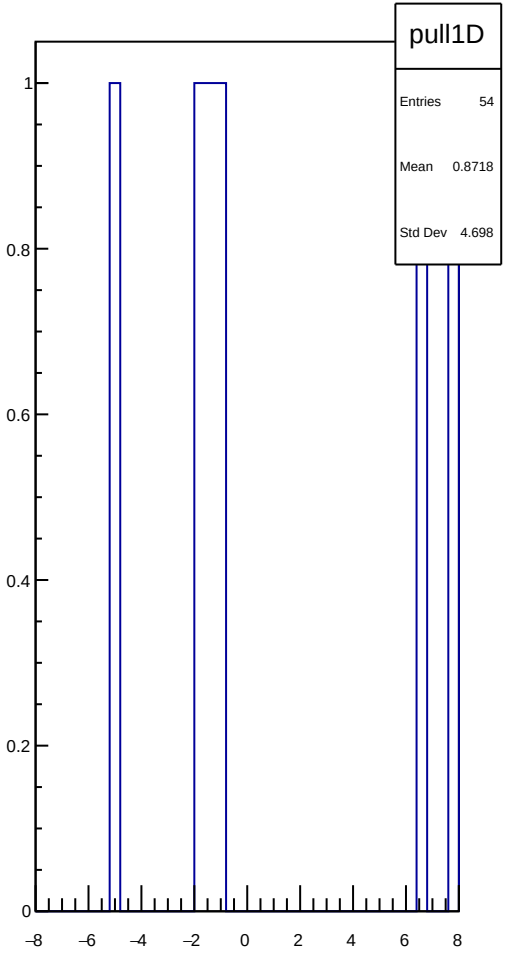

yield_dsr_rms vs run
χ² / ndf 3.651e+04 / 53
p0 0.0603 ± 6.073e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

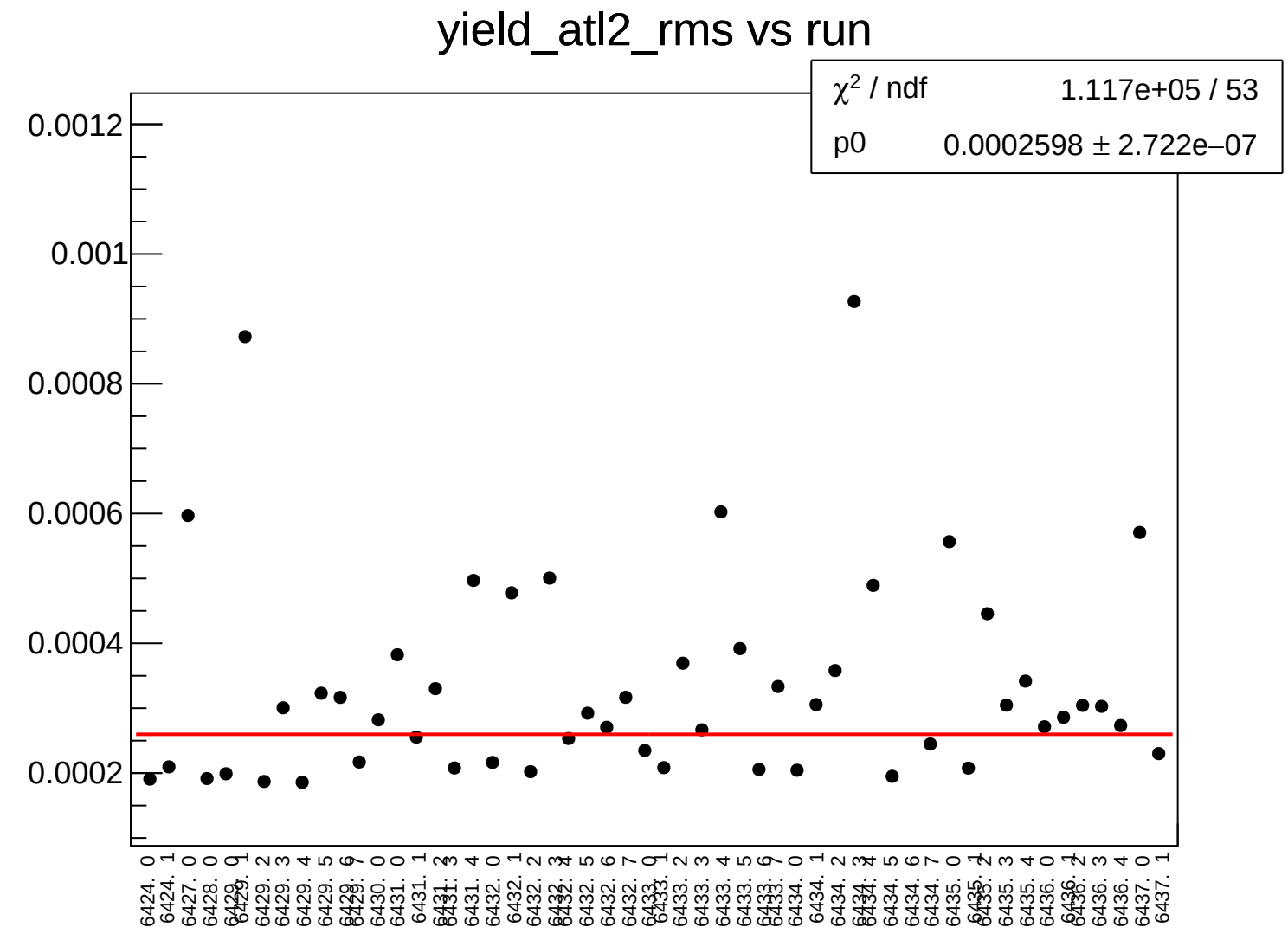

yield_atl1_mean vs run
χ² / ndf 5.71e+05 / 53
p0 0.02506 ± 1.008e−07
0.02525
0.0252
0.02515
0.0251
0.02505
0.025
0.02495
pull
Entries 54
Mean −1967
Std Dev 0
300
200
100
0
−100

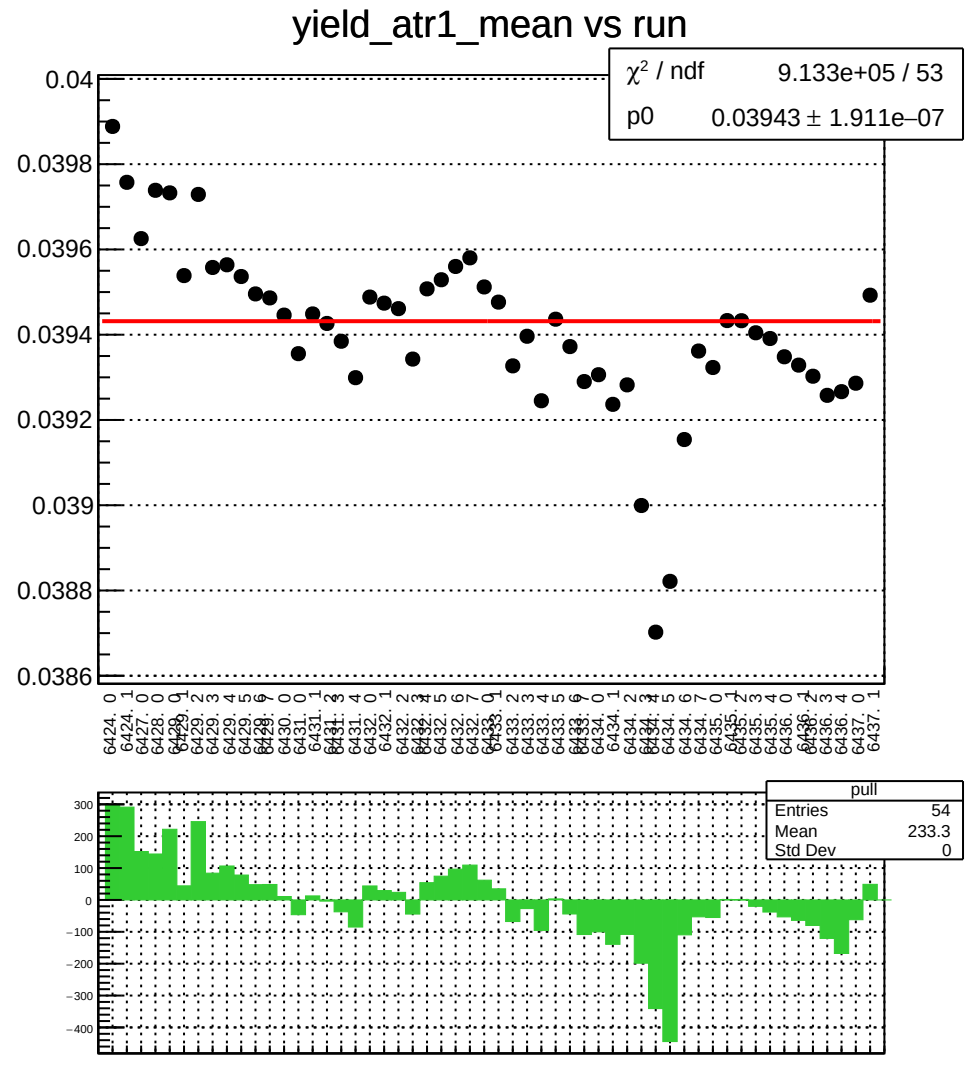

pull1D
Entries 54
Mean −2.094
Std Dev 4.232
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

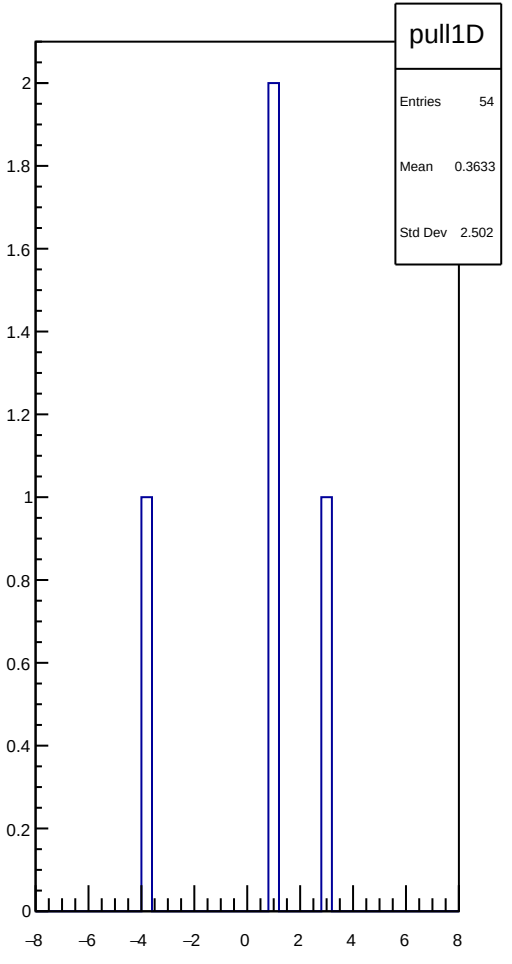

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.842e+04 / 53
p0 7.142e−05 ± 7.127e−08
0.18
0.16
0.14
0.12
0.1
0.08
0.06
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

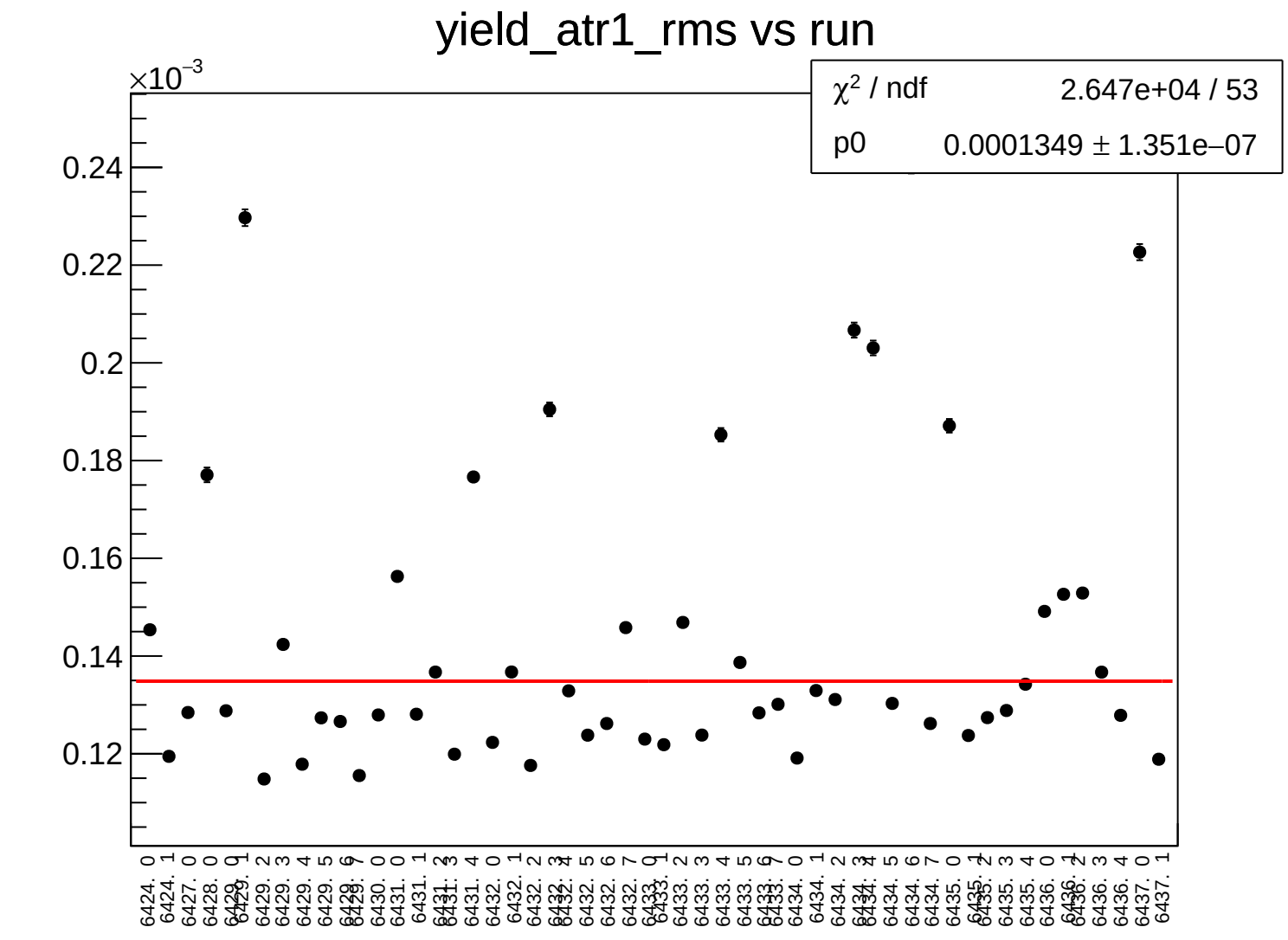

yield_atl2_mean vs run
χ² / ndf 2.369e+06 / 53
p0 0.02406 ± 3.849e−07
0.0245
0.024
0.0235
0.023
0.0225
0.022
0.0215
0.021
pull
Entries 54
Mean 141.6
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200
−1400

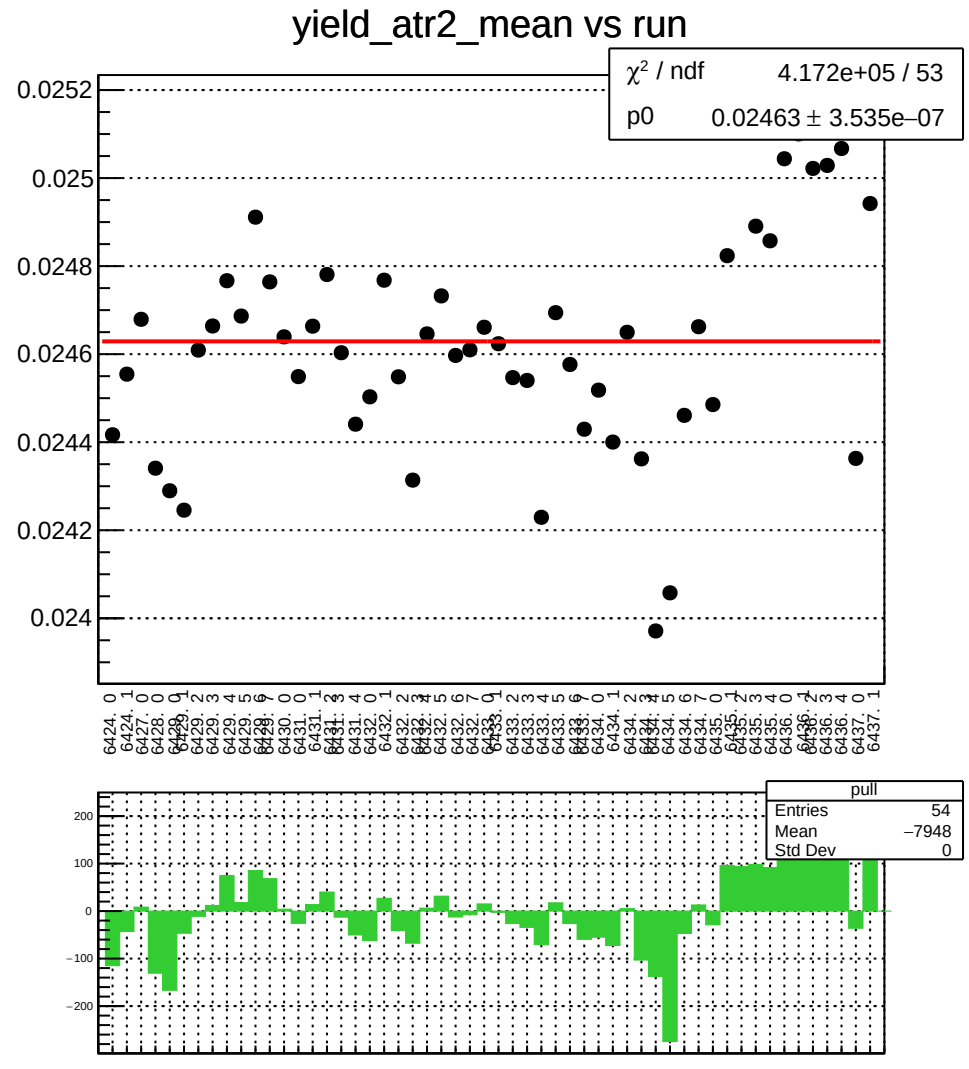

pull1D
Entries 54
Mean 0.8718
Std Dev 4.698
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

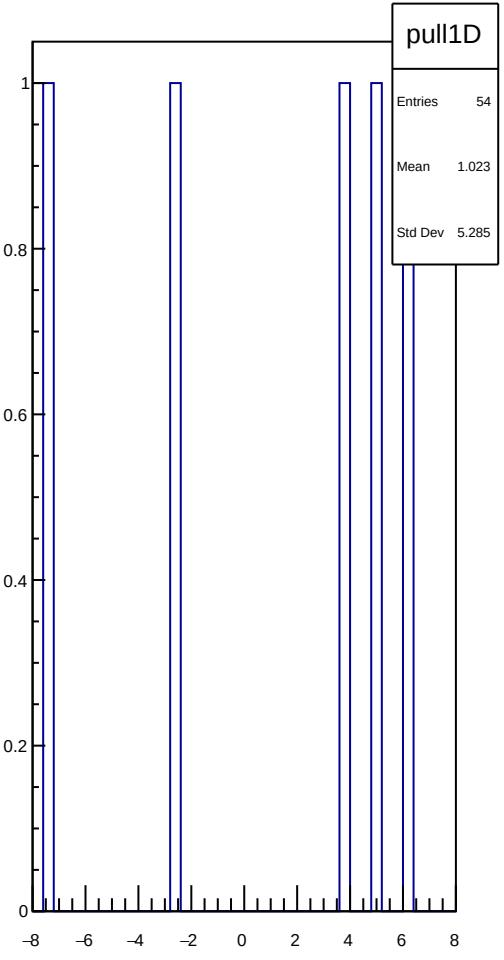

yield_atl2_rms vs run
χ² / ndf 1.117e+05 / 53
p0 0.0002598 ± 2.722e−07
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

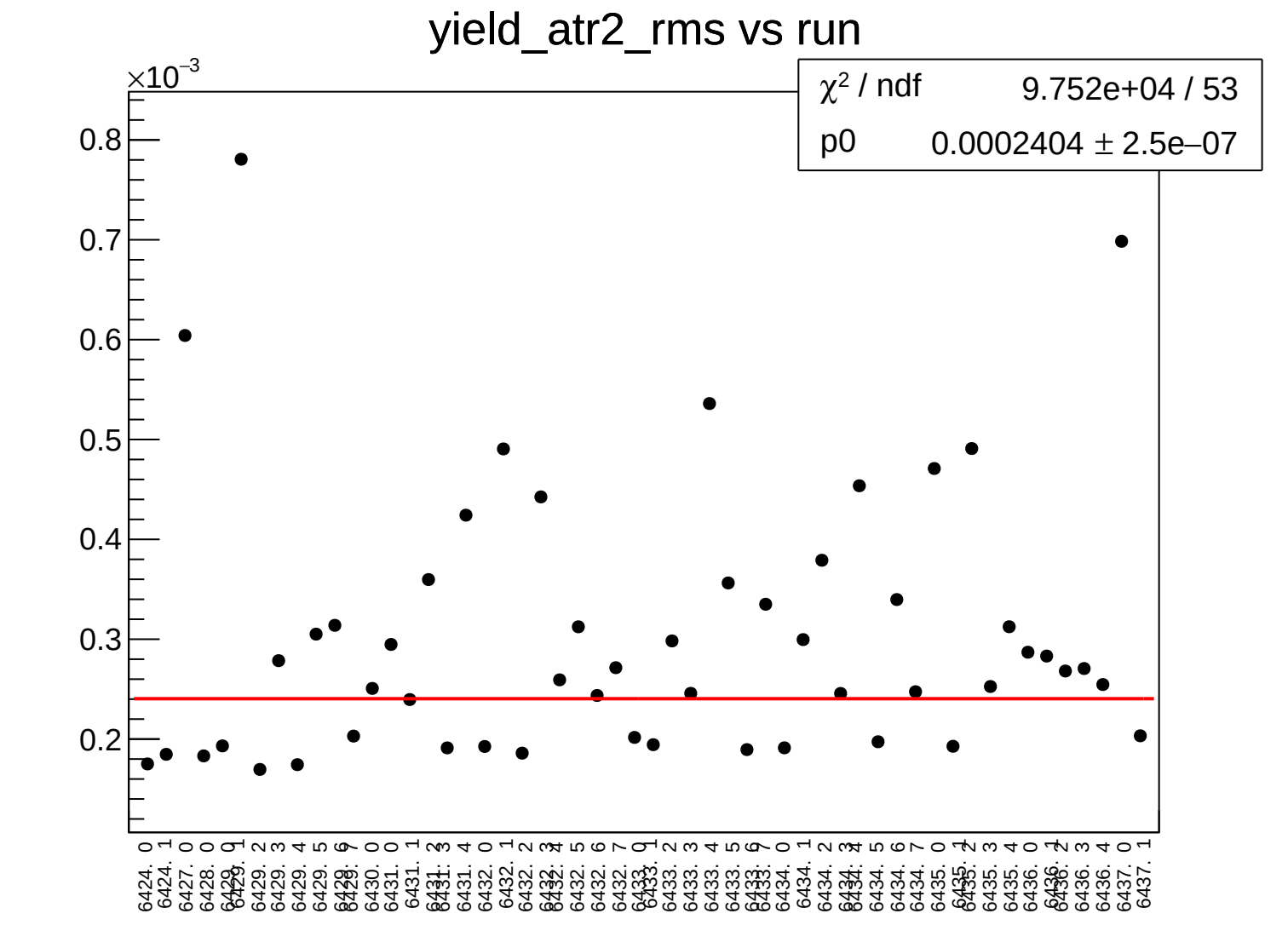

yield_atr1_mean vs run
χ² / ndf 9.133e+05 / 53
p0 0.03943 ± 1.911e−07
0.04
0.0398
0.0396
0.0394
0.0392
0.039
0.0388
0.0386
pull
Entries 54
Mean 233.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400

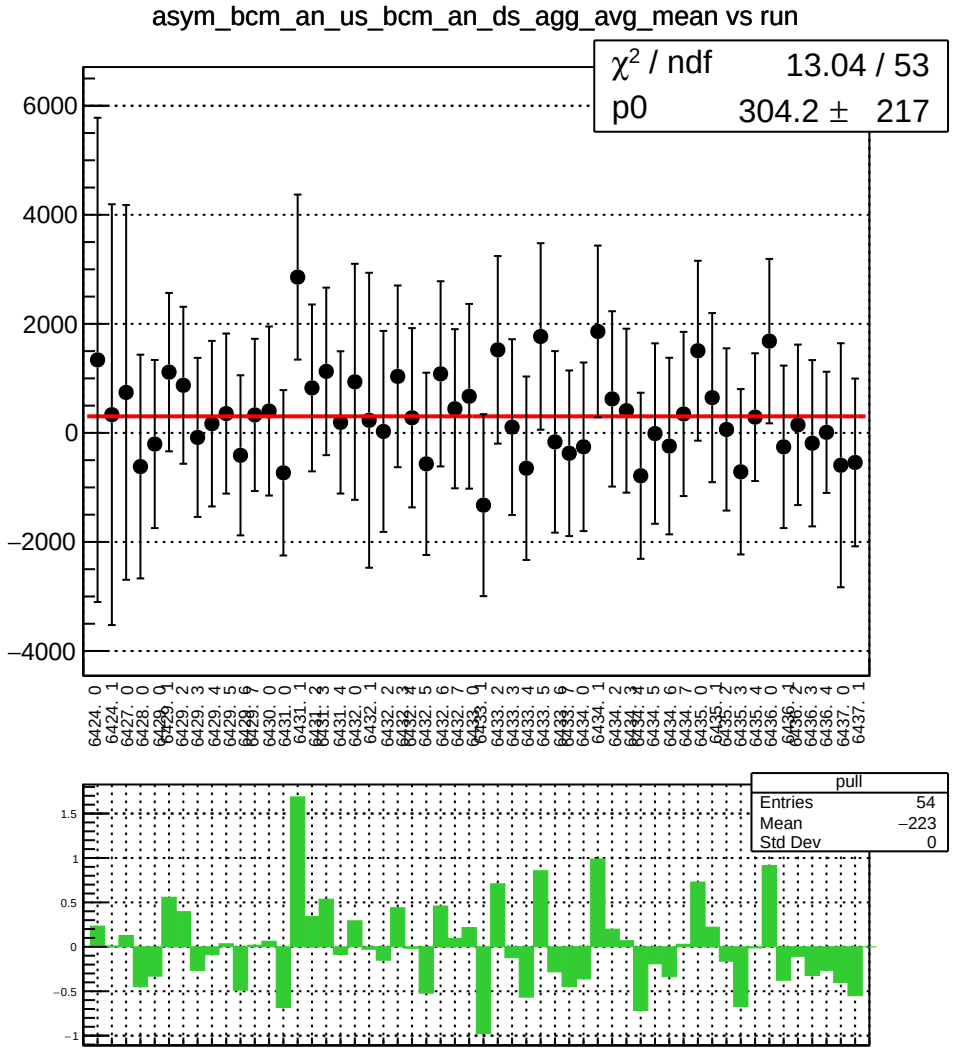

pull1D
Entries 54
Mean 0.3633
Std Dev 2.502
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

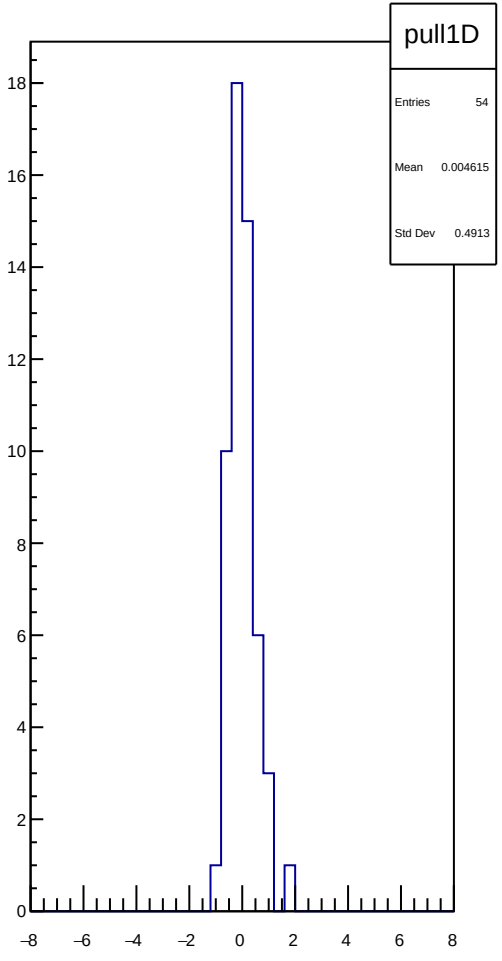

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.647e+04 / 53
p0 0.0001349 ± 1.351e−07
0.24
0.22
0.2
0.18
0.16
0.14
0.12
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

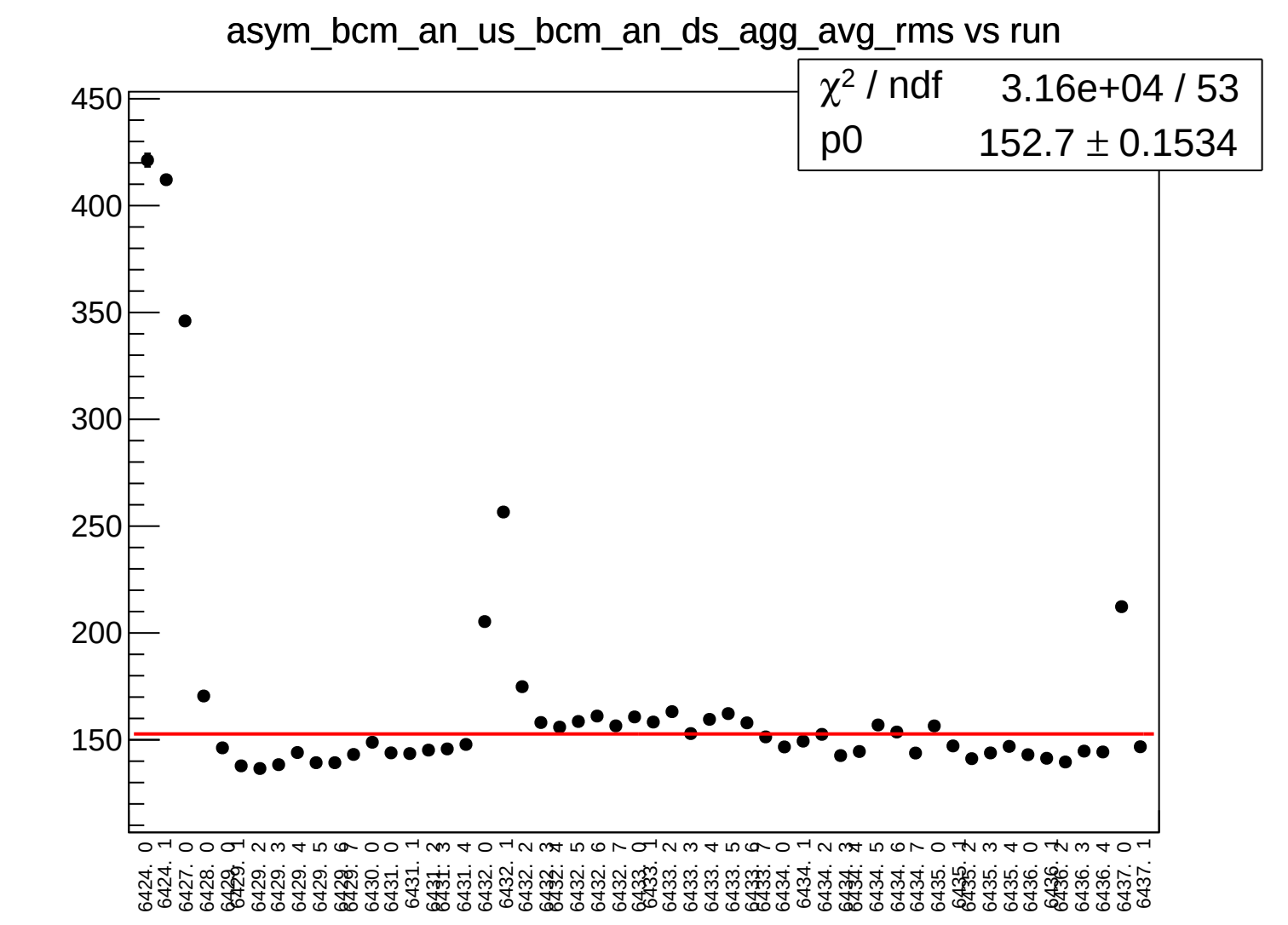

yield_atr2_mean vs run
χ² / ndf 4.172e+05 / 53
p0 0.02463 ± 3.535e−07
0.0252
0.025
0.0248
0.0246
0.0244
0.0242
0.024
pull
Entries 54
Mean −7948
Std Dev 0
200
100
0
−100
−200

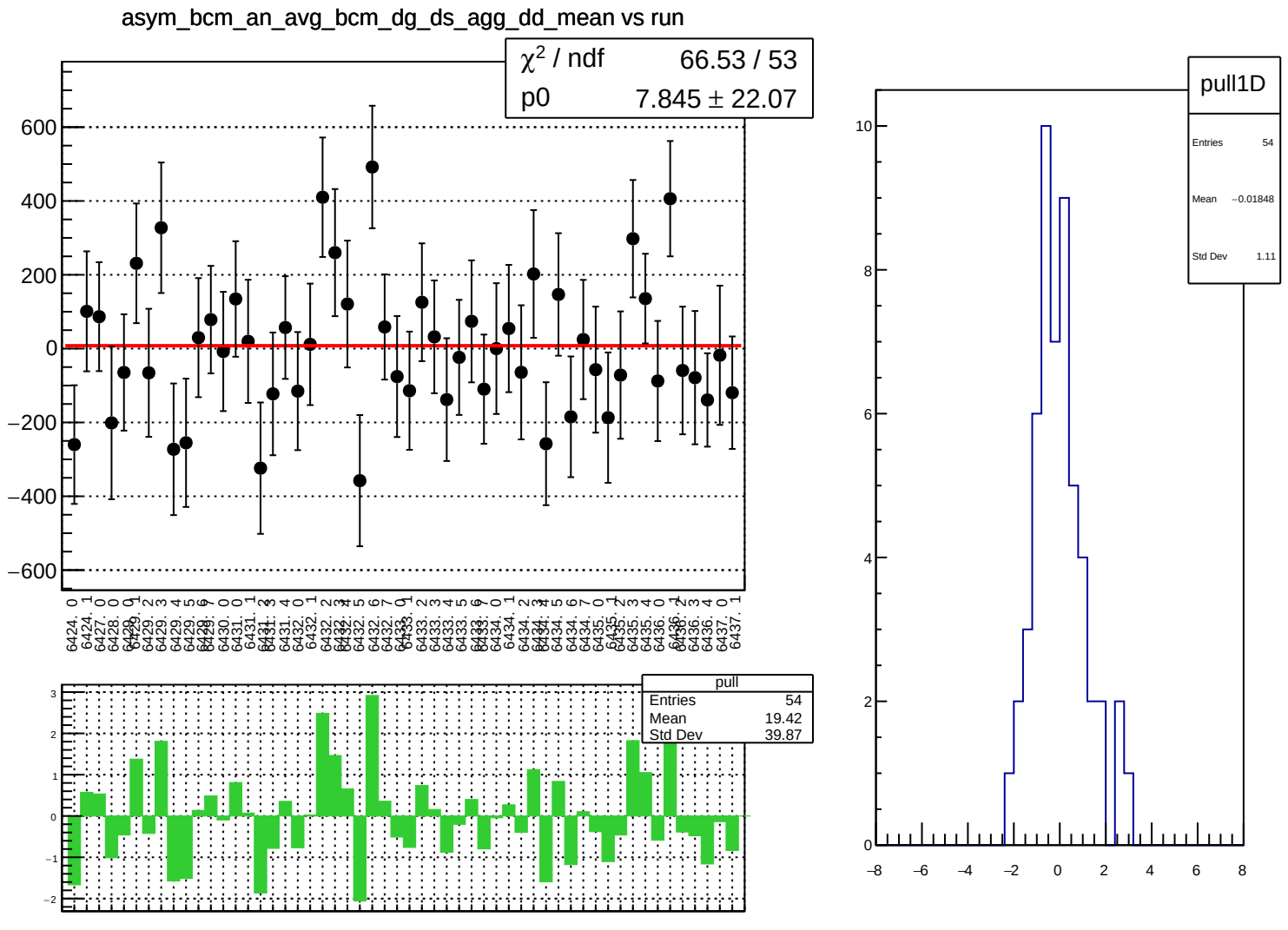

pull1D
Entries 54
Mean 1.023
Std Dev 5.285
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

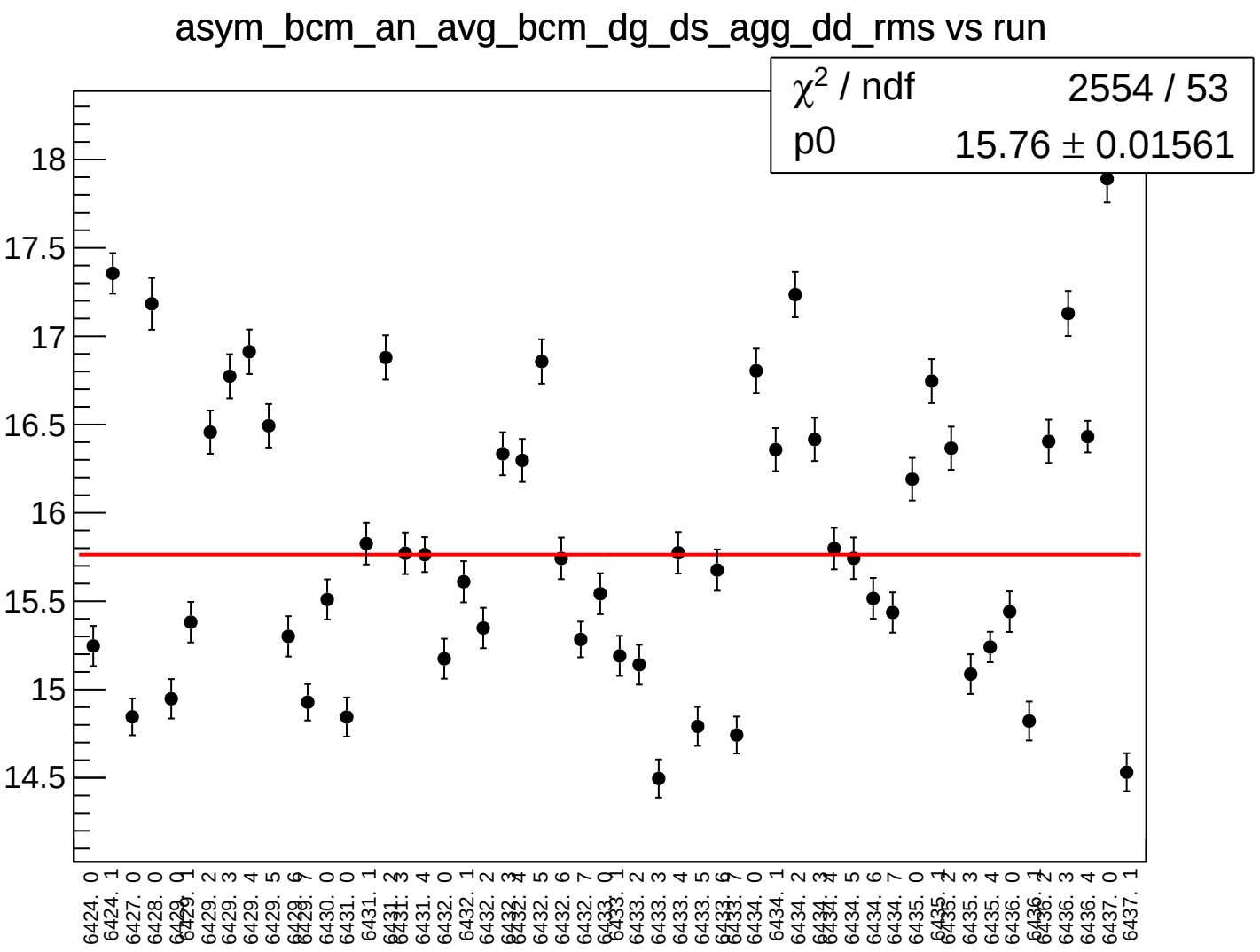

yield_atr2_rms vs run
×10⁻³
χ² / ndf 9.752e+04 / 53
p0 0.0002404 ± 2.5e–07
0.8
0.7
0.6
0.5
0.4
0.3
0.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

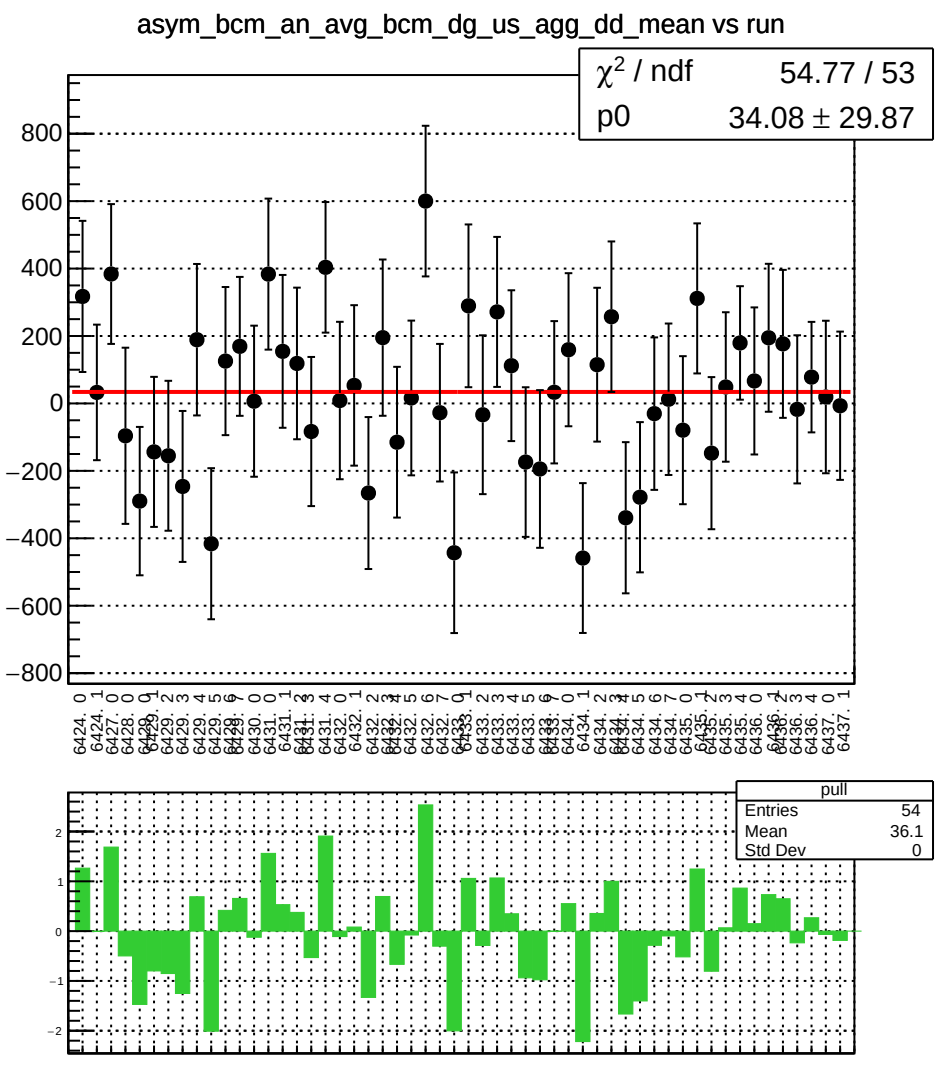

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.04 / 53
p0 304.2 ± 217
pull
Entries 54
Mean −223
Std Dev 0

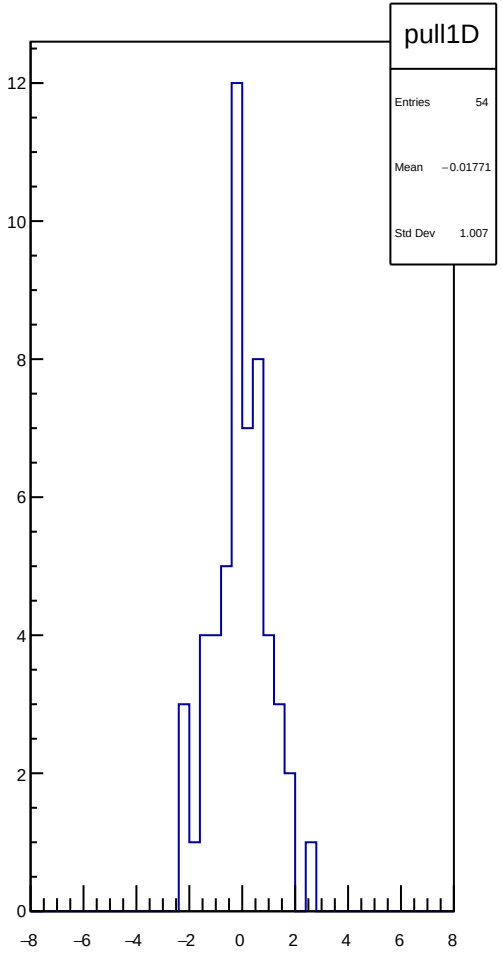

pull1D
Entries 54
Mean 0.004615
Std Dev 0.4913

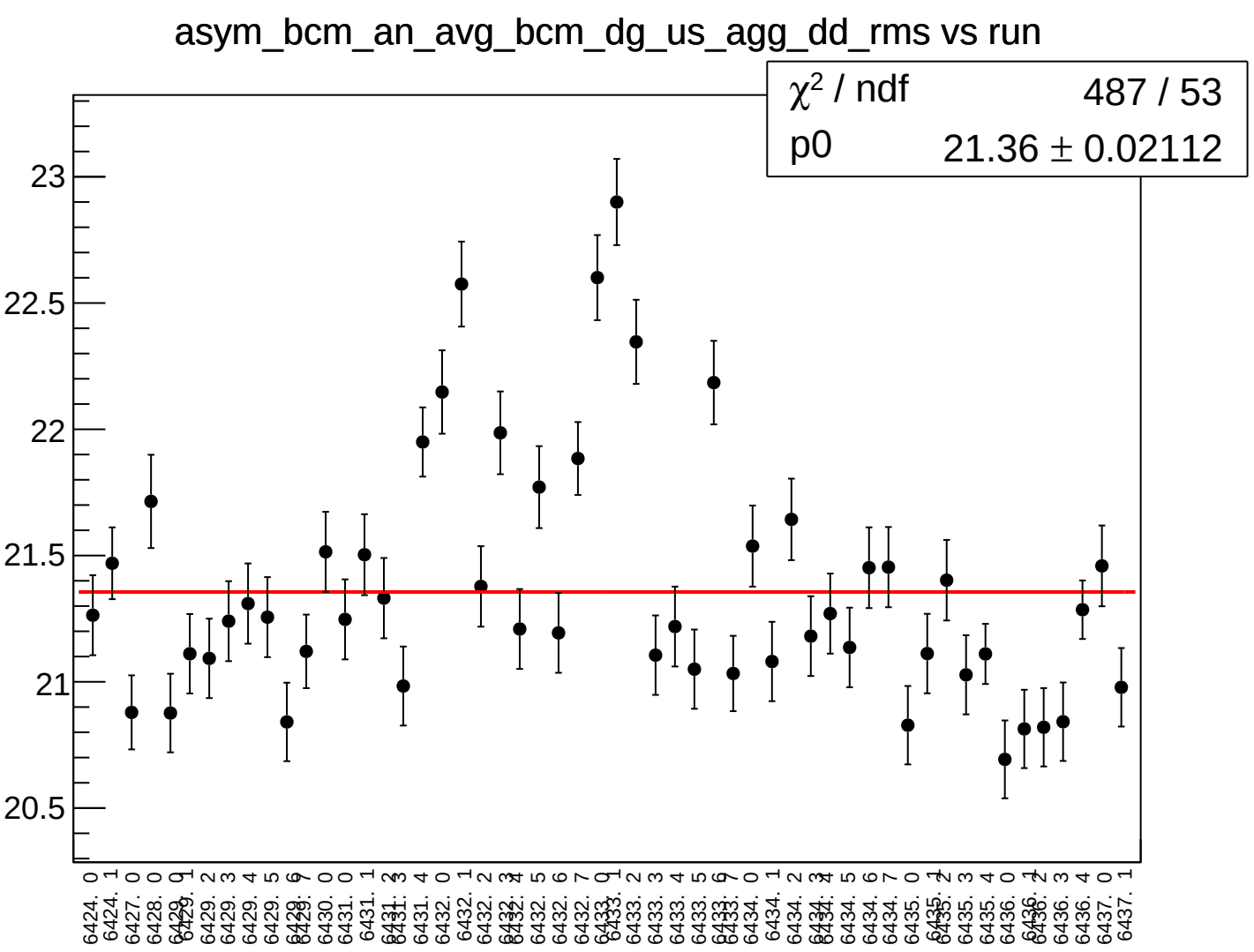

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.16e+04 / 53
p0 152.7 ± 0.1534
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

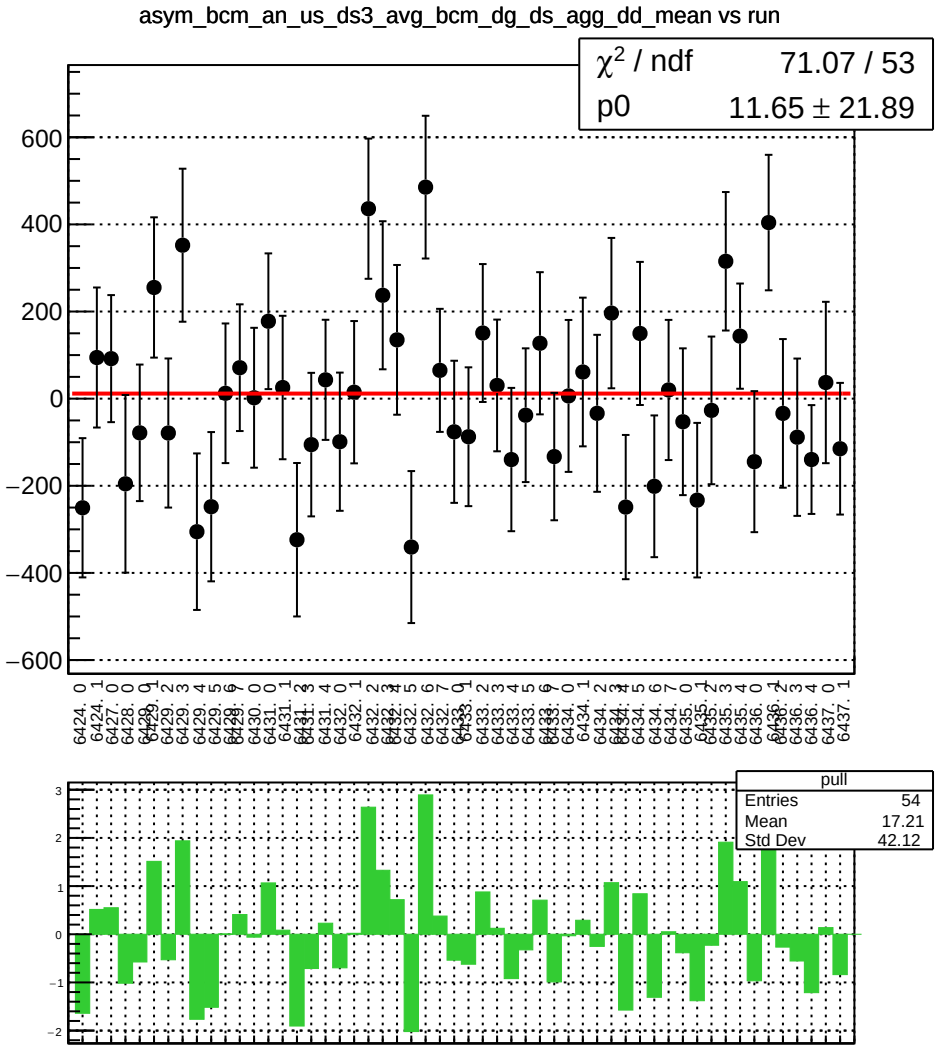

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 66.53 / 53
p0 7.845 ± 22.07
pull
Entries 54
Mean 19.42
Std Dev 39.87
pull1D
Entries 54
Mean −0.01848
Std Dev 1.11

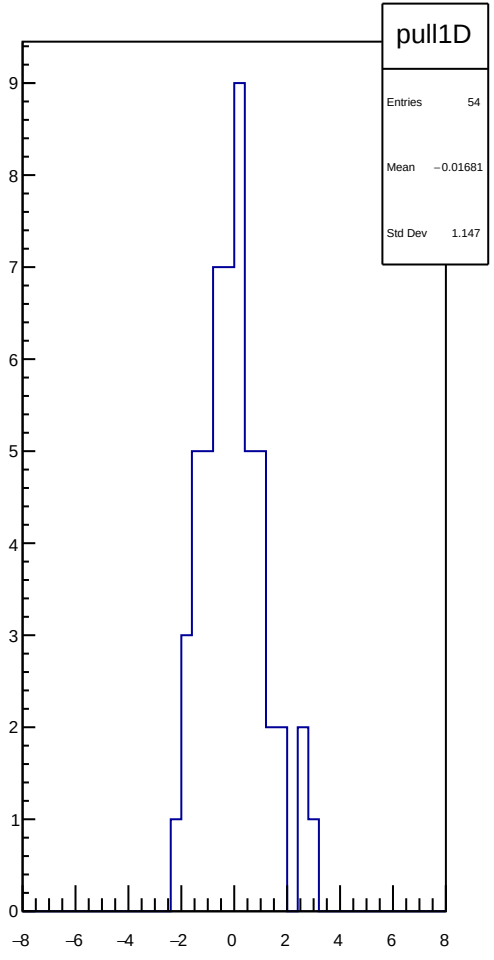

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2554 / 53
p0 15.76 ± 0.01561
18
17.5
17
16.5
16
15.5
15
14.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

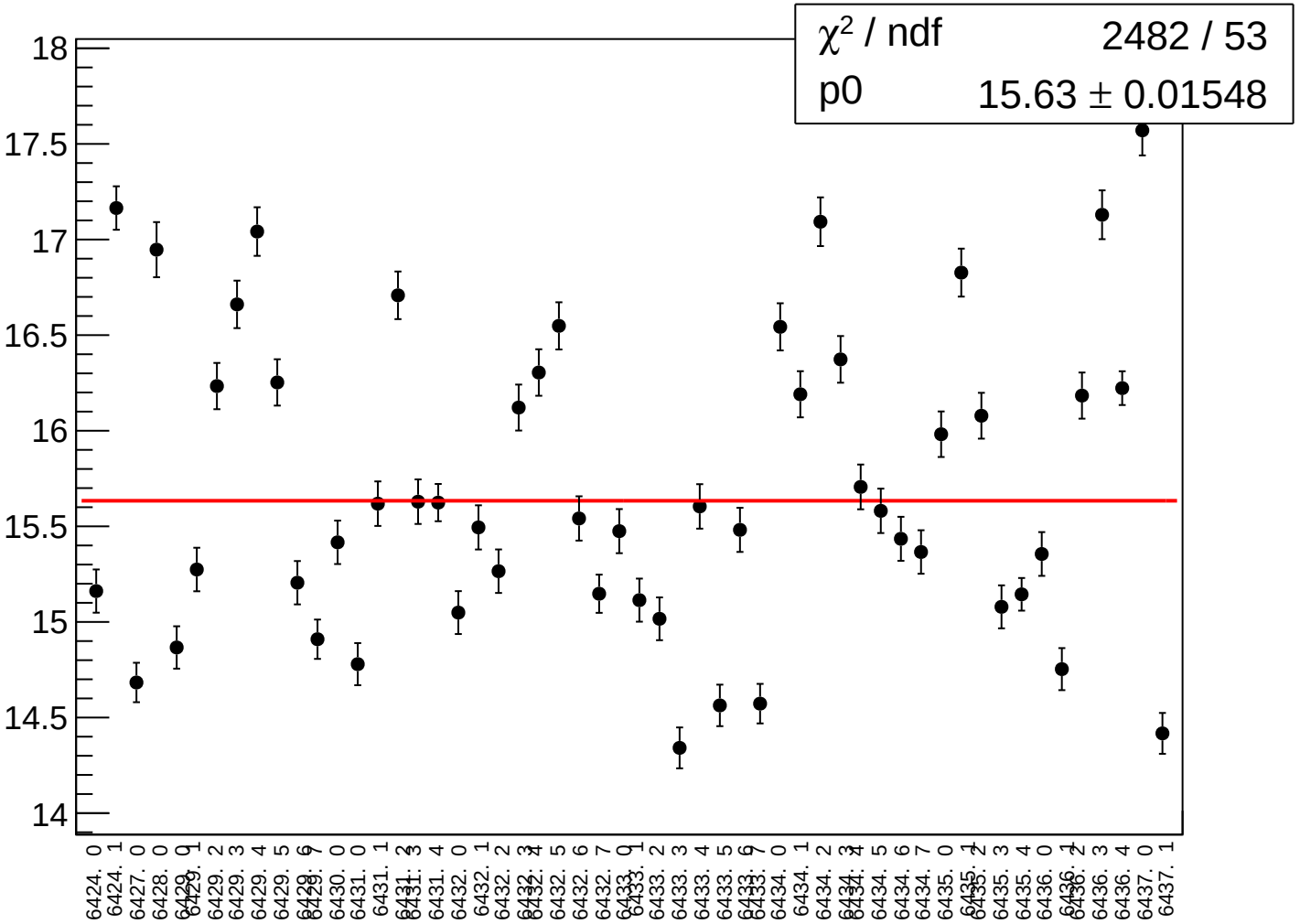

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 54.77 / 53
p0 34.08 ± 29.87
pull
Entries 54
Mean 36.1
Std Dev 0

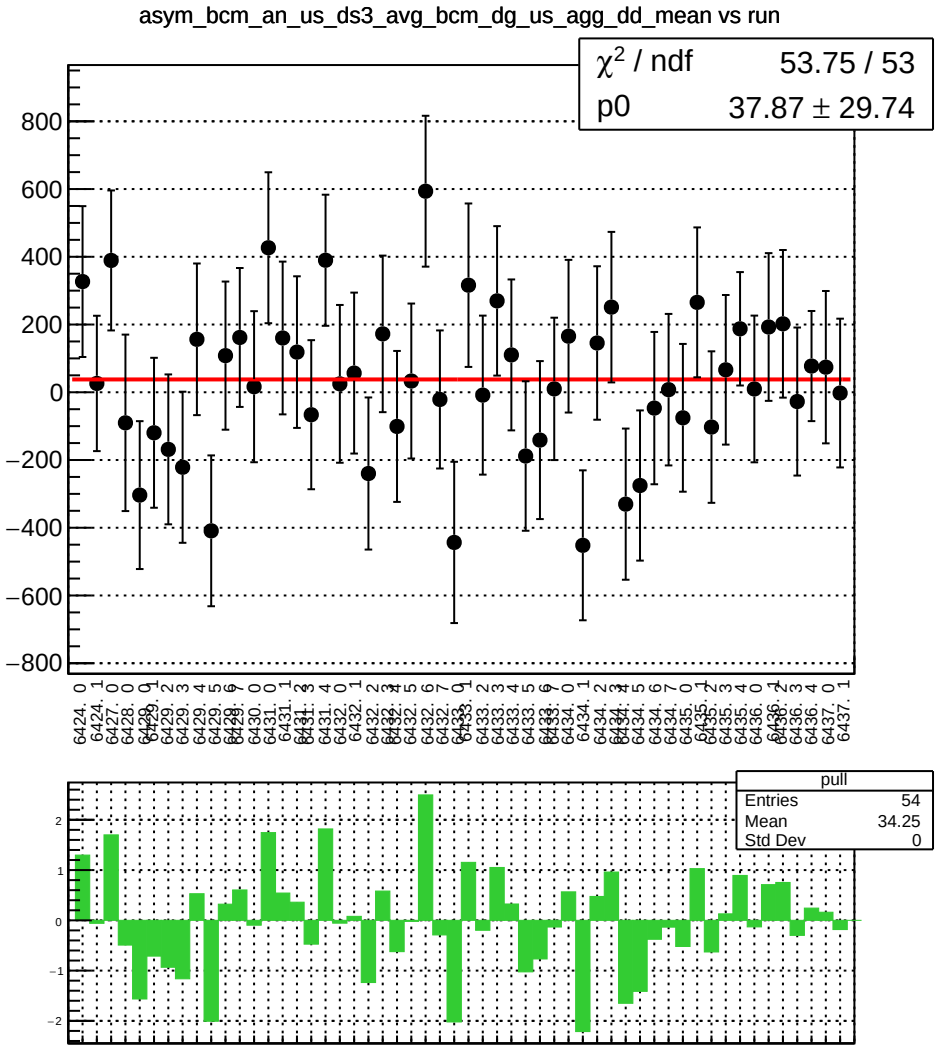

pull1D
Entries 54
Mean −0.01771
Std Dev 1.007

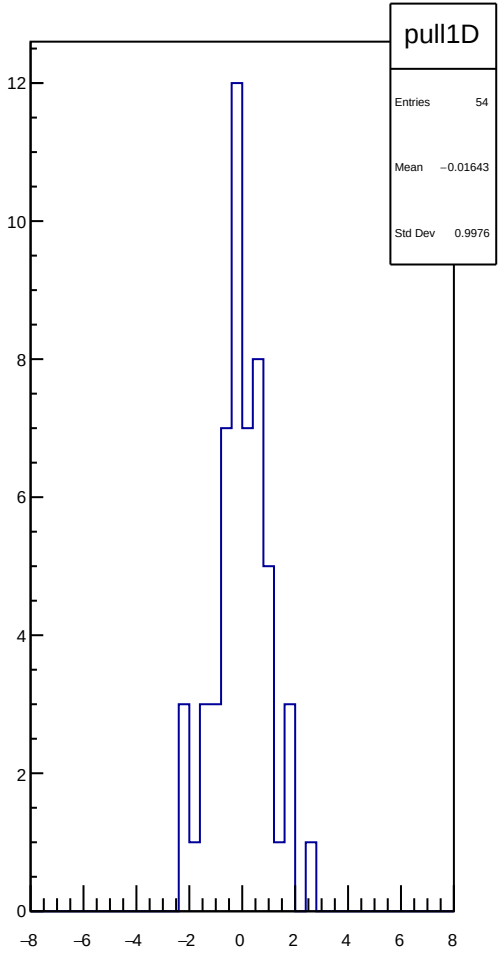

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 487 / 53
p0 21.36 ± 0.02112
23
22.5
22
21.5
21
20.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

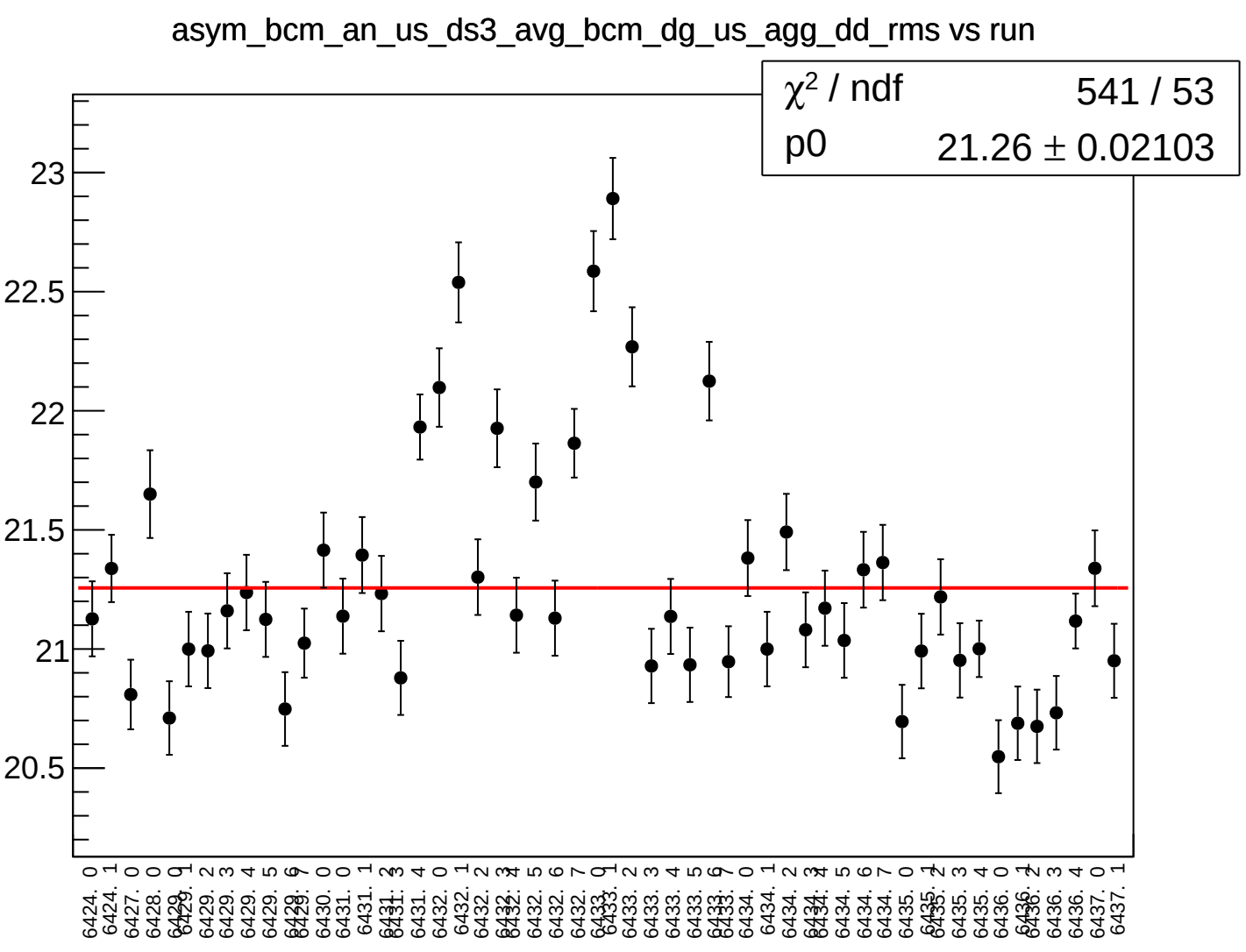

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 71.07 / 53
p0 11.65 ± 21.89
pull
Entries 54
Mean 17.21
Std Dev 42.12


pull1D
Entries 54
Mean −0.01681
Std Dev 1.147


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2482 / 53
p0 15.63 ± 0.01548
18
17.5
17
16.5
16
15.5
15
14.5
14
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 53.75 / 53
p0 37.87 ± 29.74
pull
Entries 54
Mean 34.25
Std Dev 0


pull1D
Entries 54
Mean −0.01643
Std Dev 0.9976


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 541 / 53
p0 21.26 ± 0.02103
23
22.5
22
21.5
21
20.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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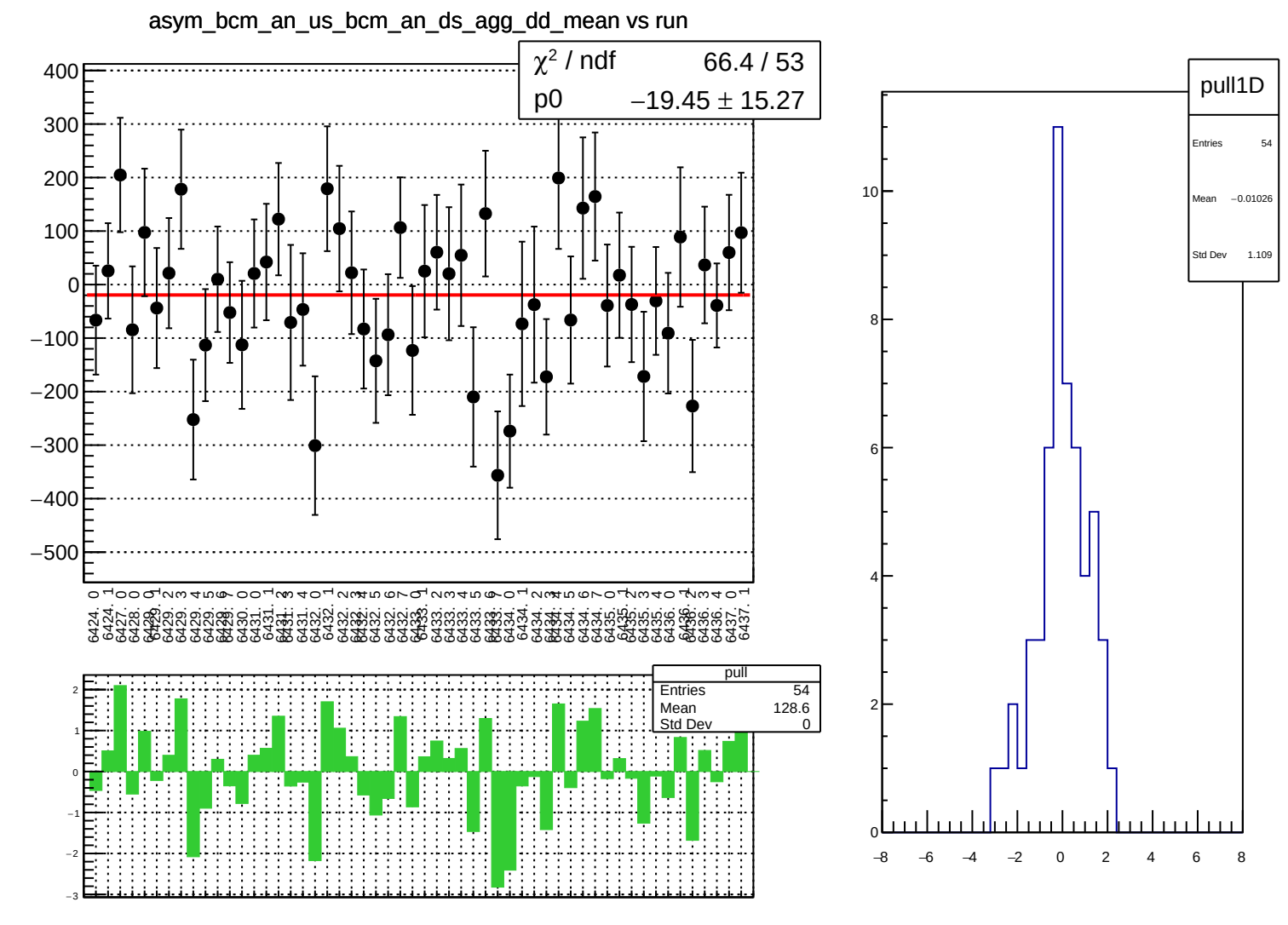
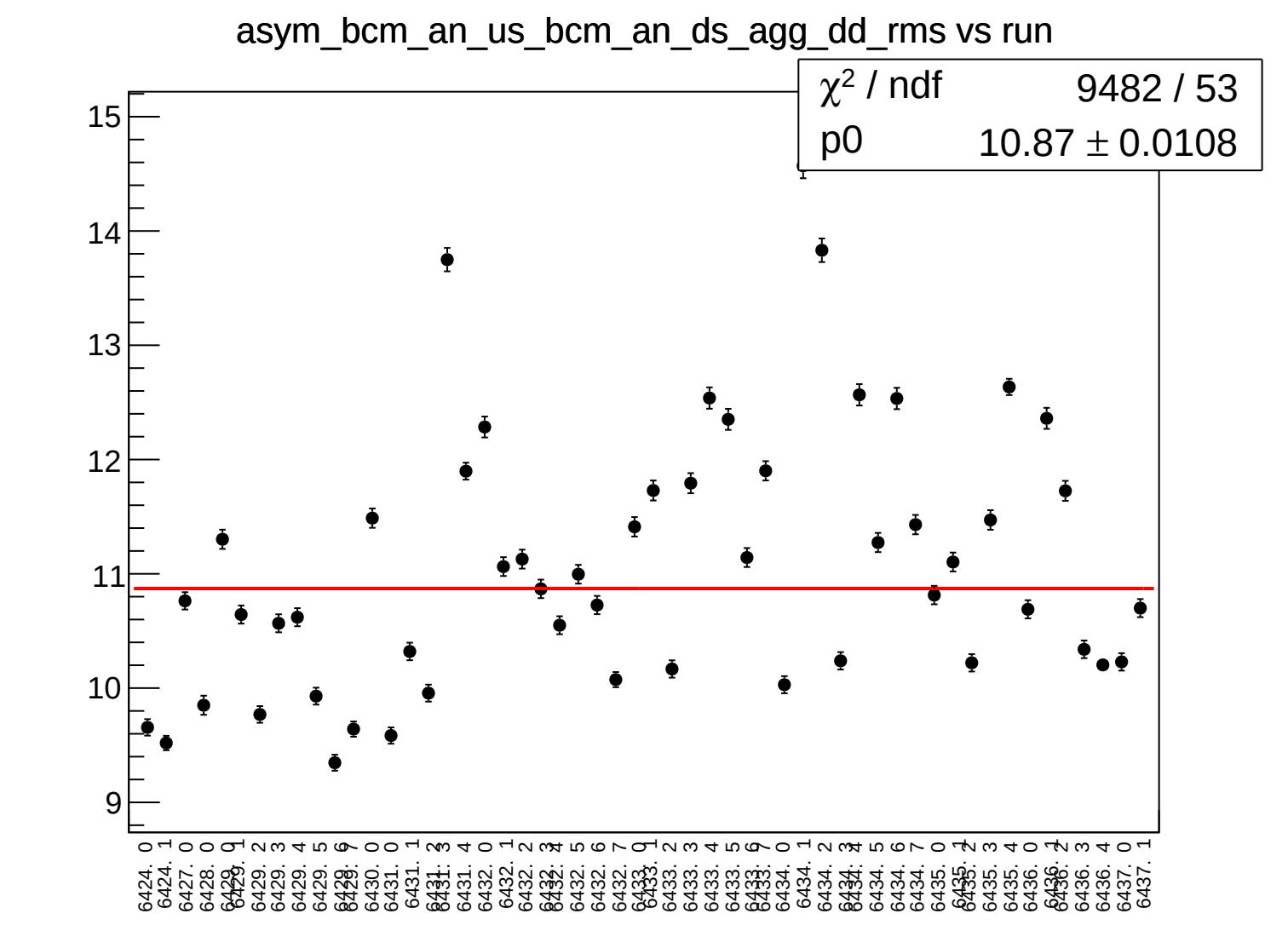
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 66.4 / 53
p0 −19.45 ± 15.27
pull
Entries 54
Mean 128.6
Std Dev 0
pull1D
Entries 54
Mean −0.01026
Std Dev 1.109


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 9482 / 53
p0 10.87 ± 0.0108
15
14
13
12
11
10
9
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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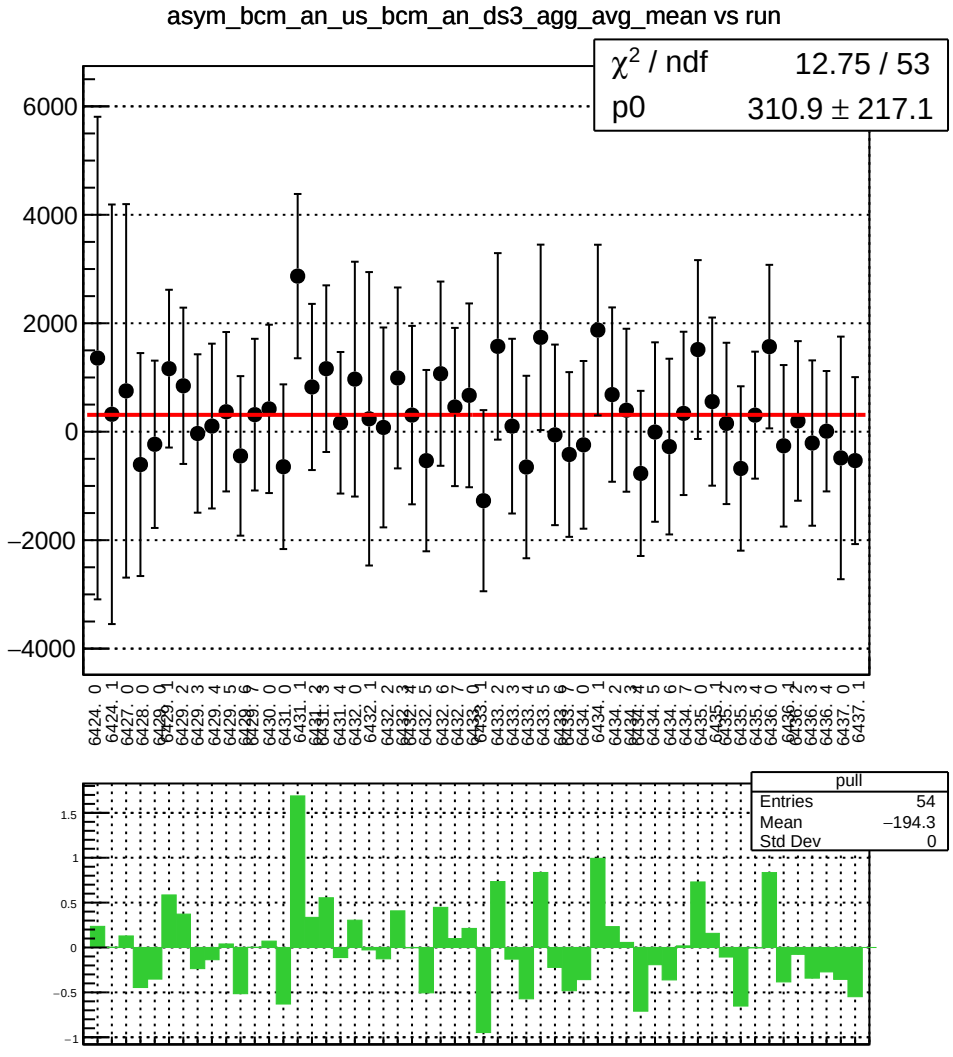
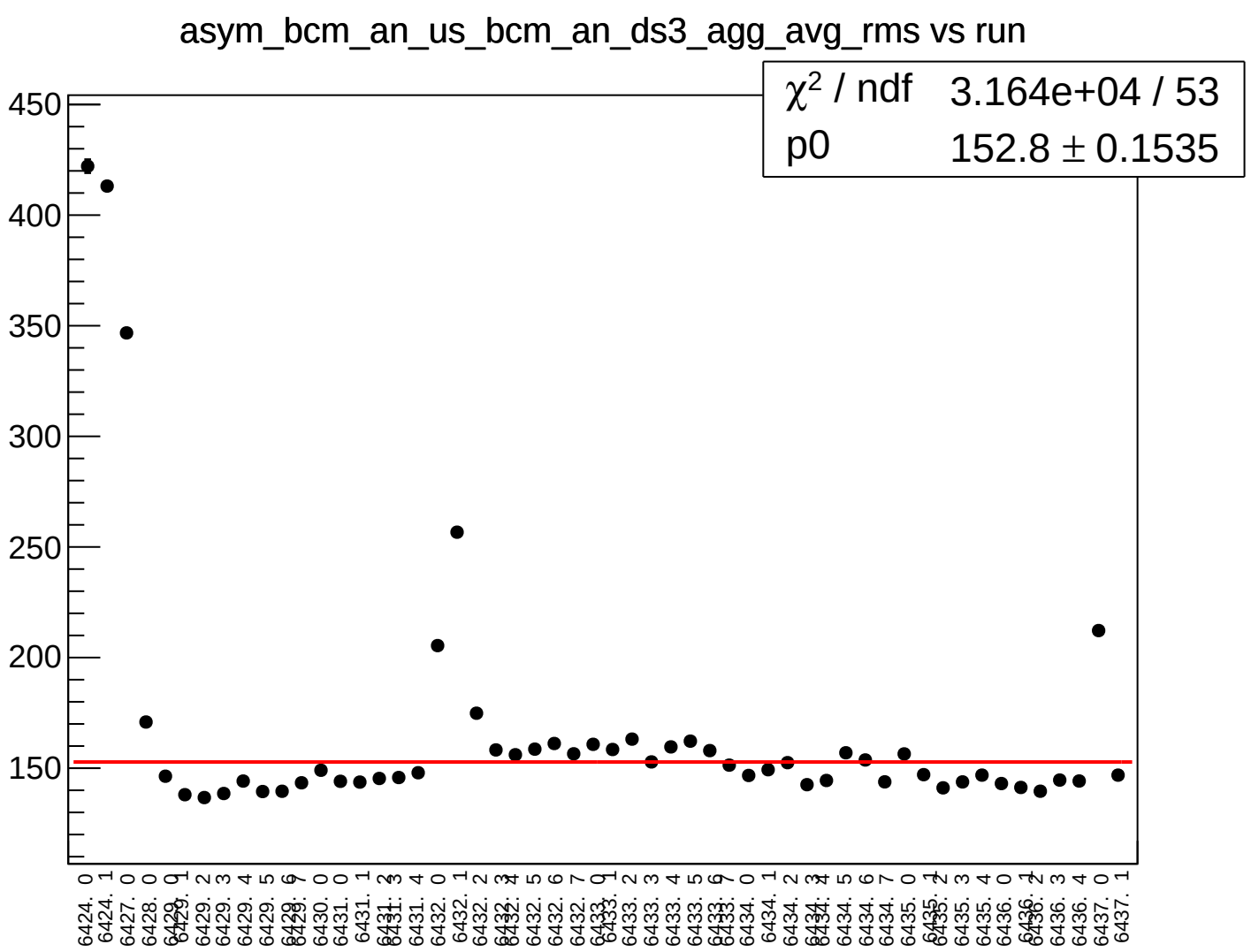
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 12.75 / 53
p0 310.9 ± 217.1
pull
Entries 54
Mean −194.3
Std Dev 0
pull1D
Entries 54
Mean 0.005201
Std Dev 0.4859


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.164e+04 / 53
p0 152.8 ± 0.1535
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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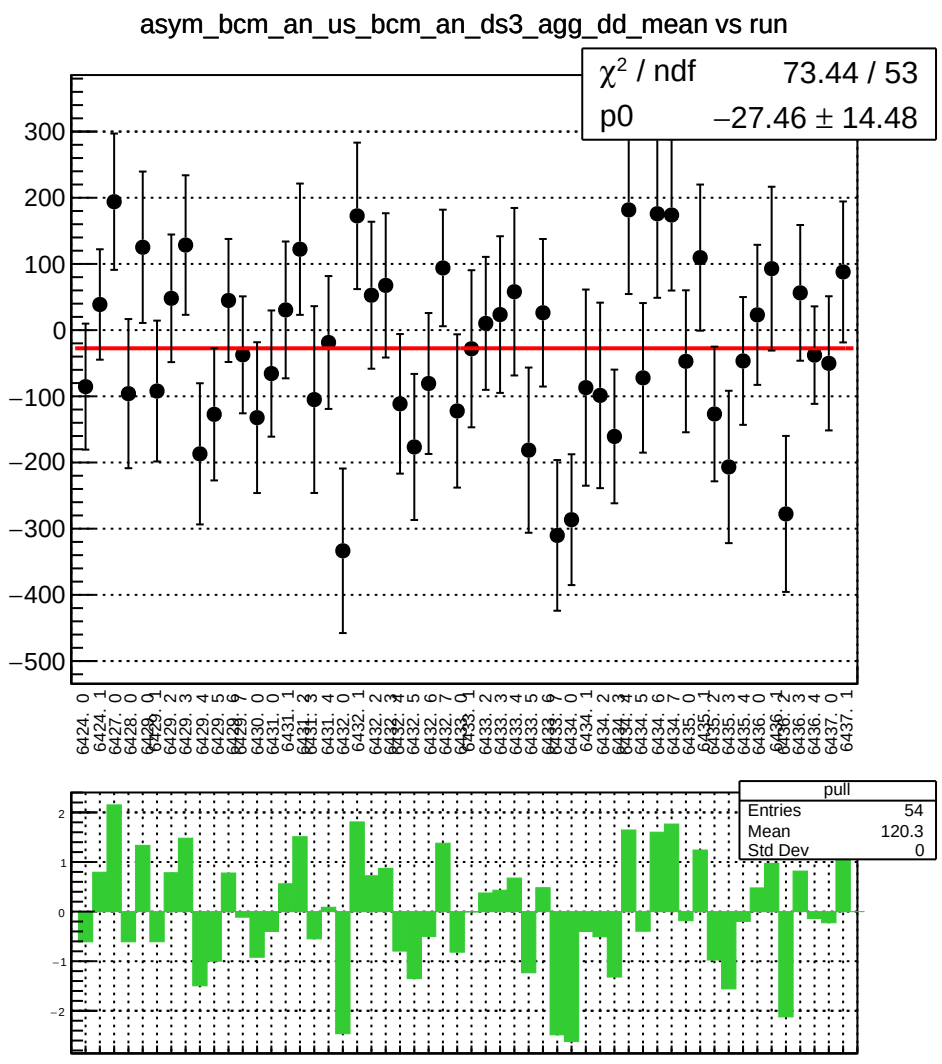
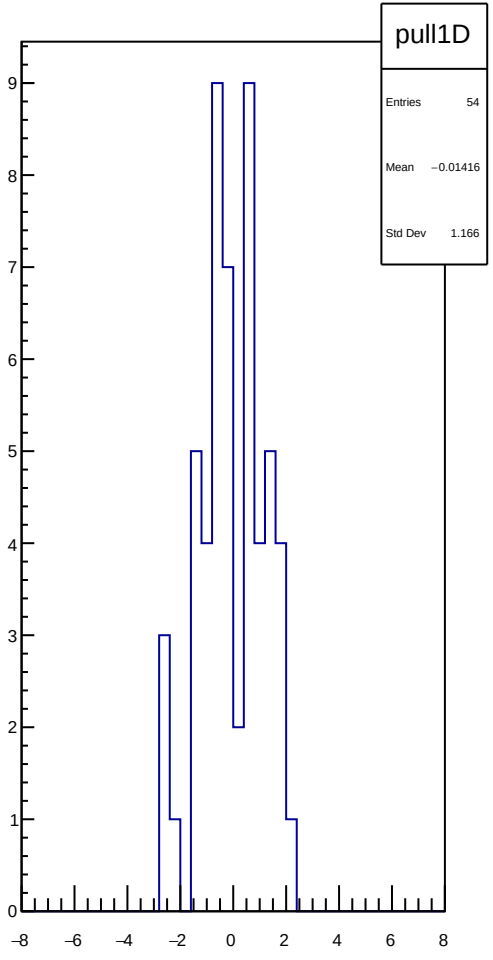
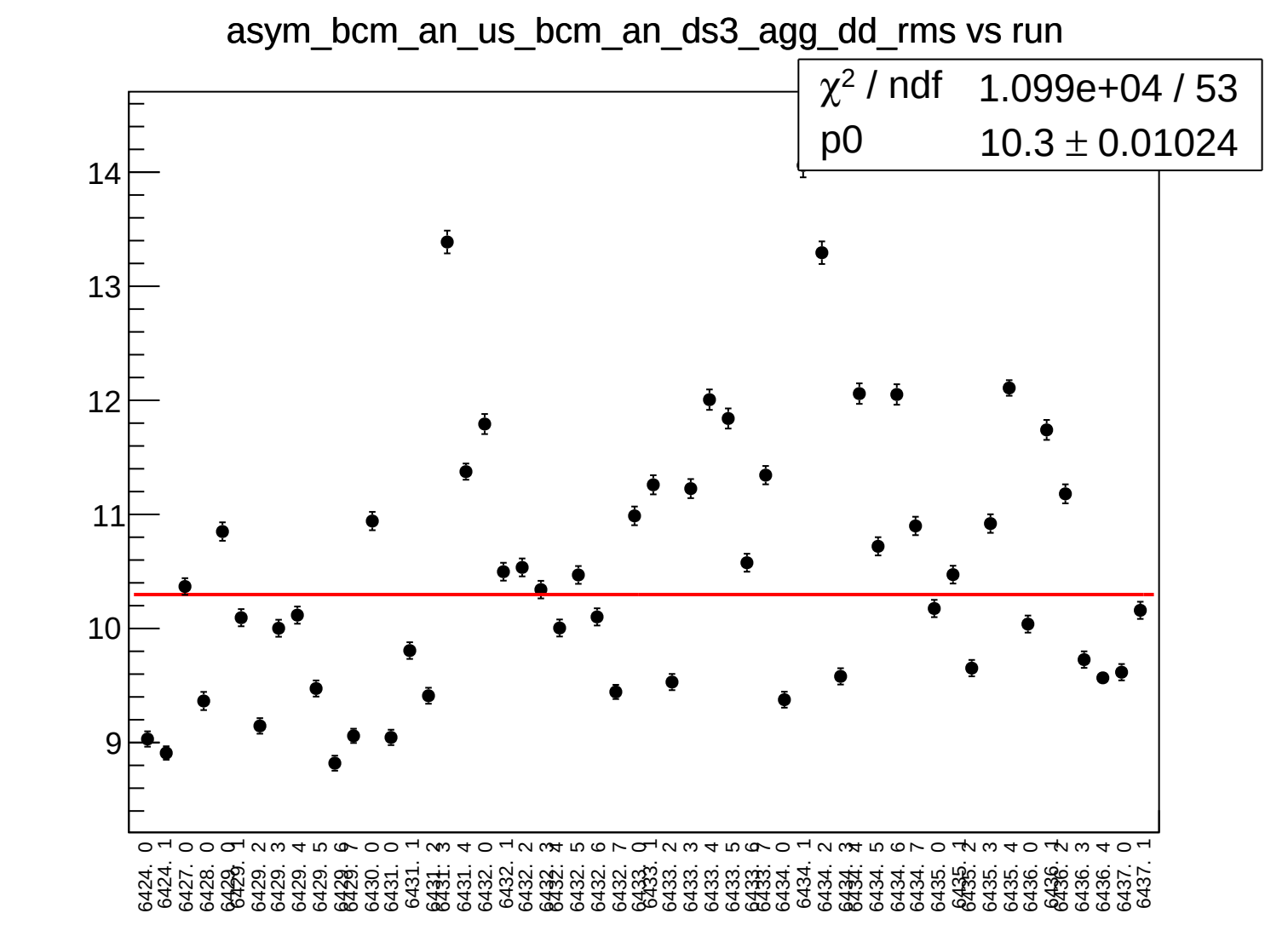
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 73.44 / 53
p0 −27.46 ± 14.48
pull
Entries 54
Mean 120.3
Std Dev 0


pull1D
Entries 54
Mean −0.01416
Std Dev 1.166


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.099e+04 / 53
p0 10.3 ± 0.01024
14
13
12
11
10
9
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
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6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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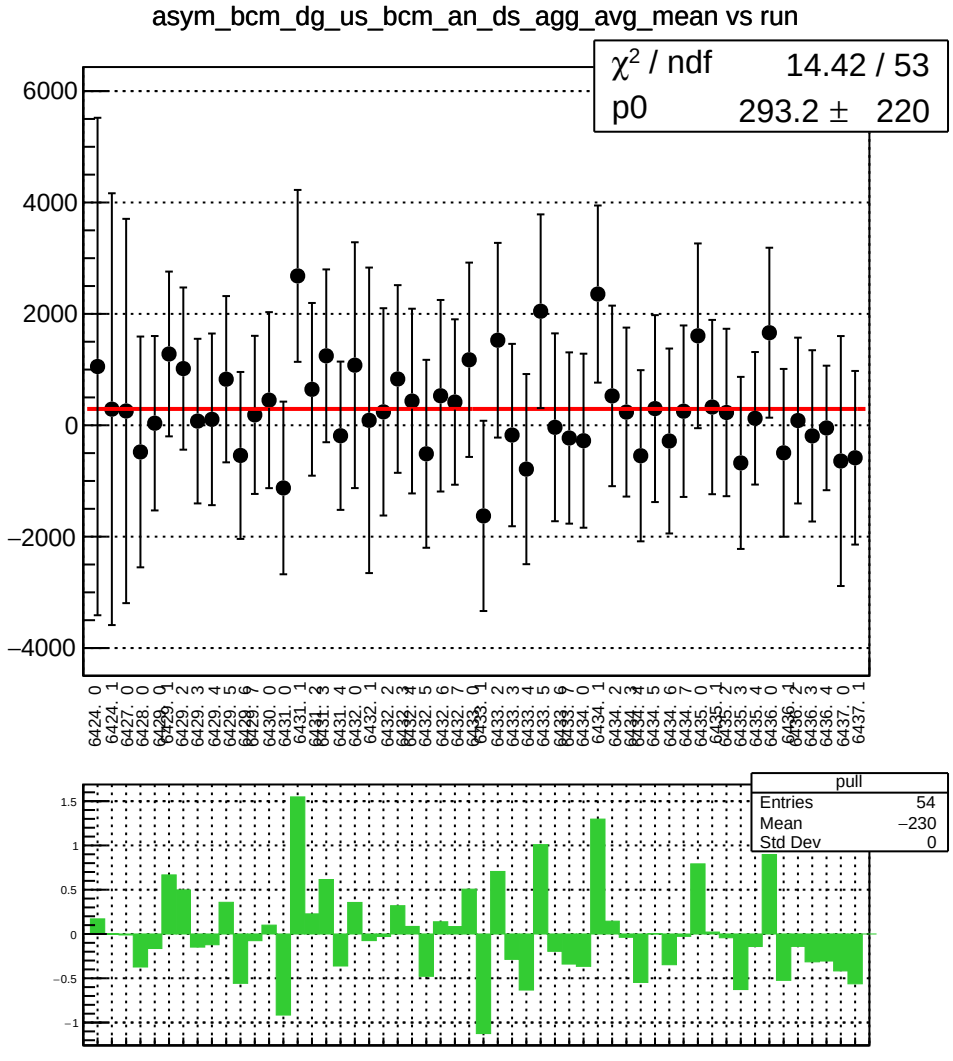
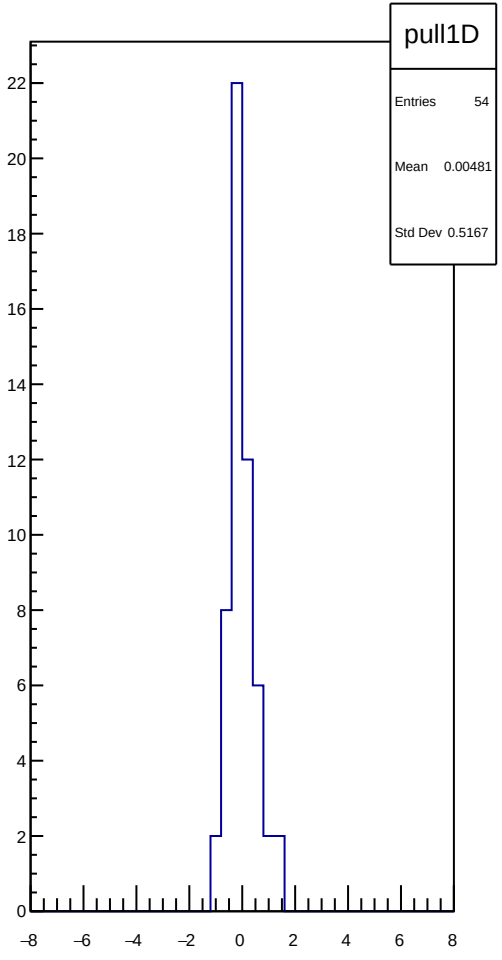
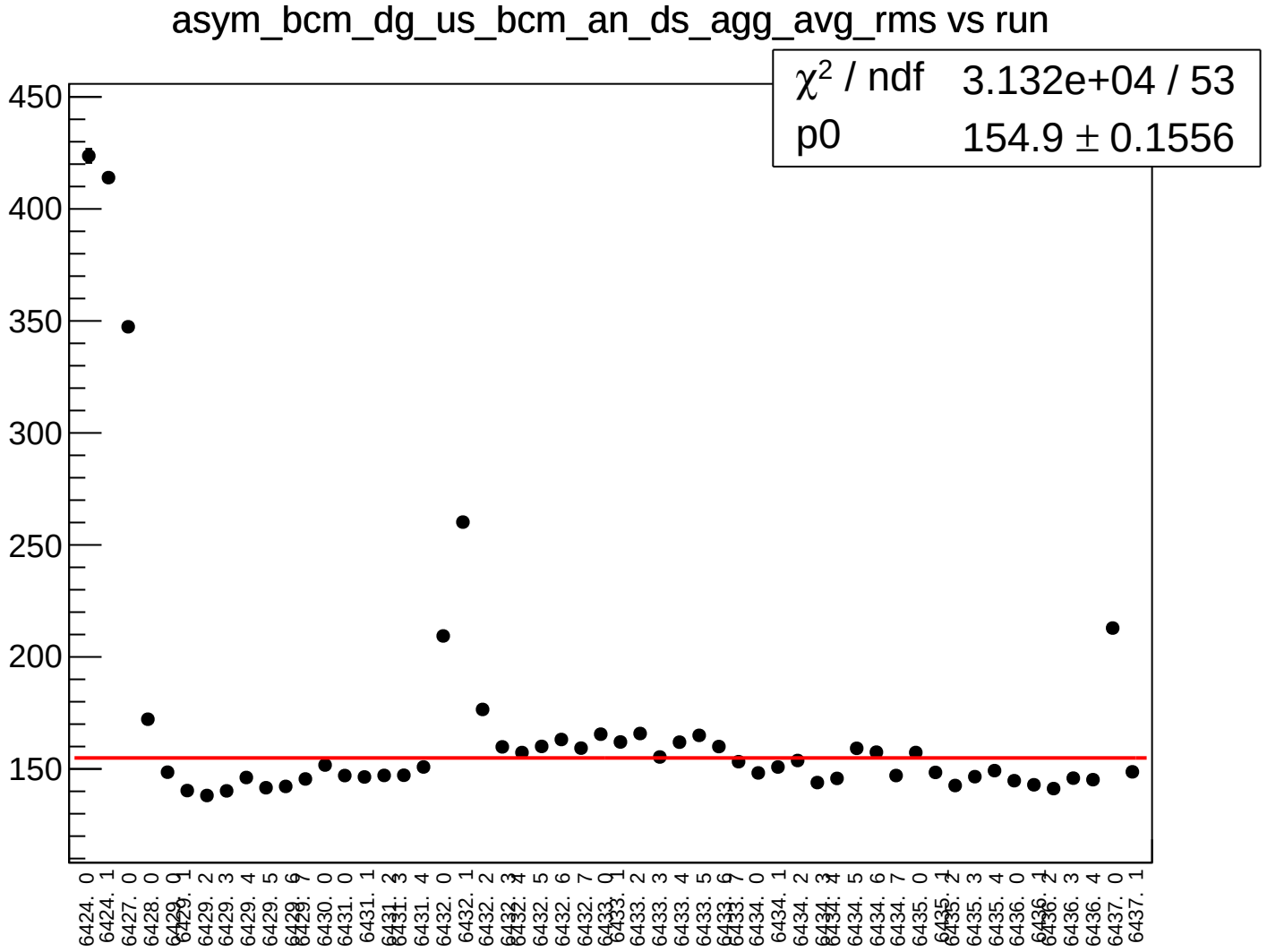
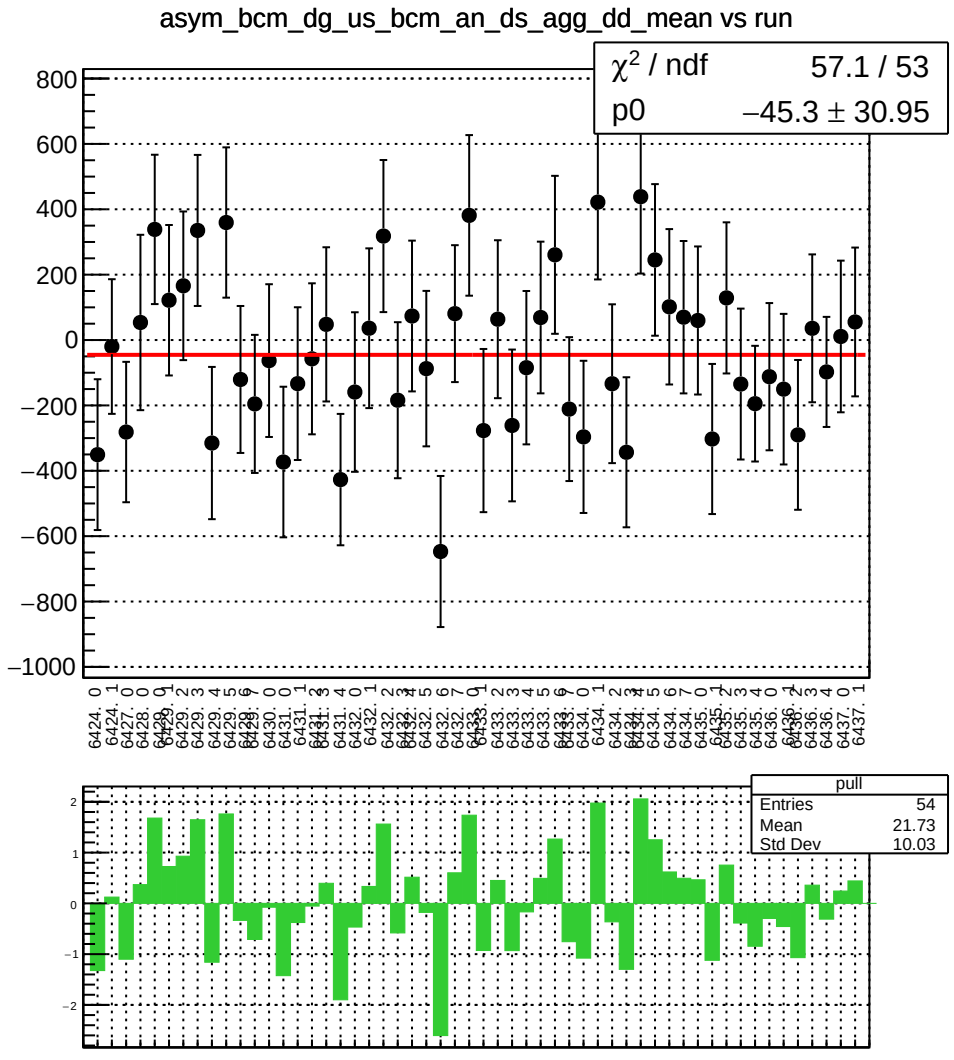
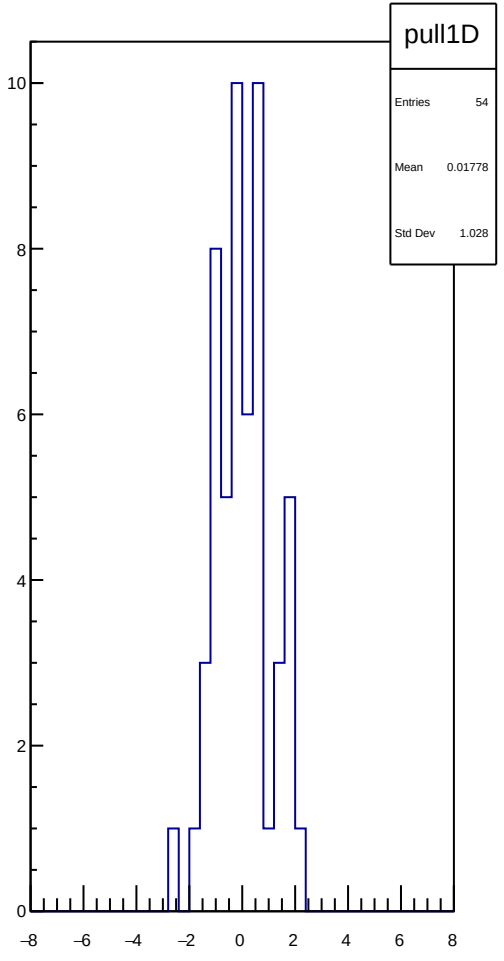
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

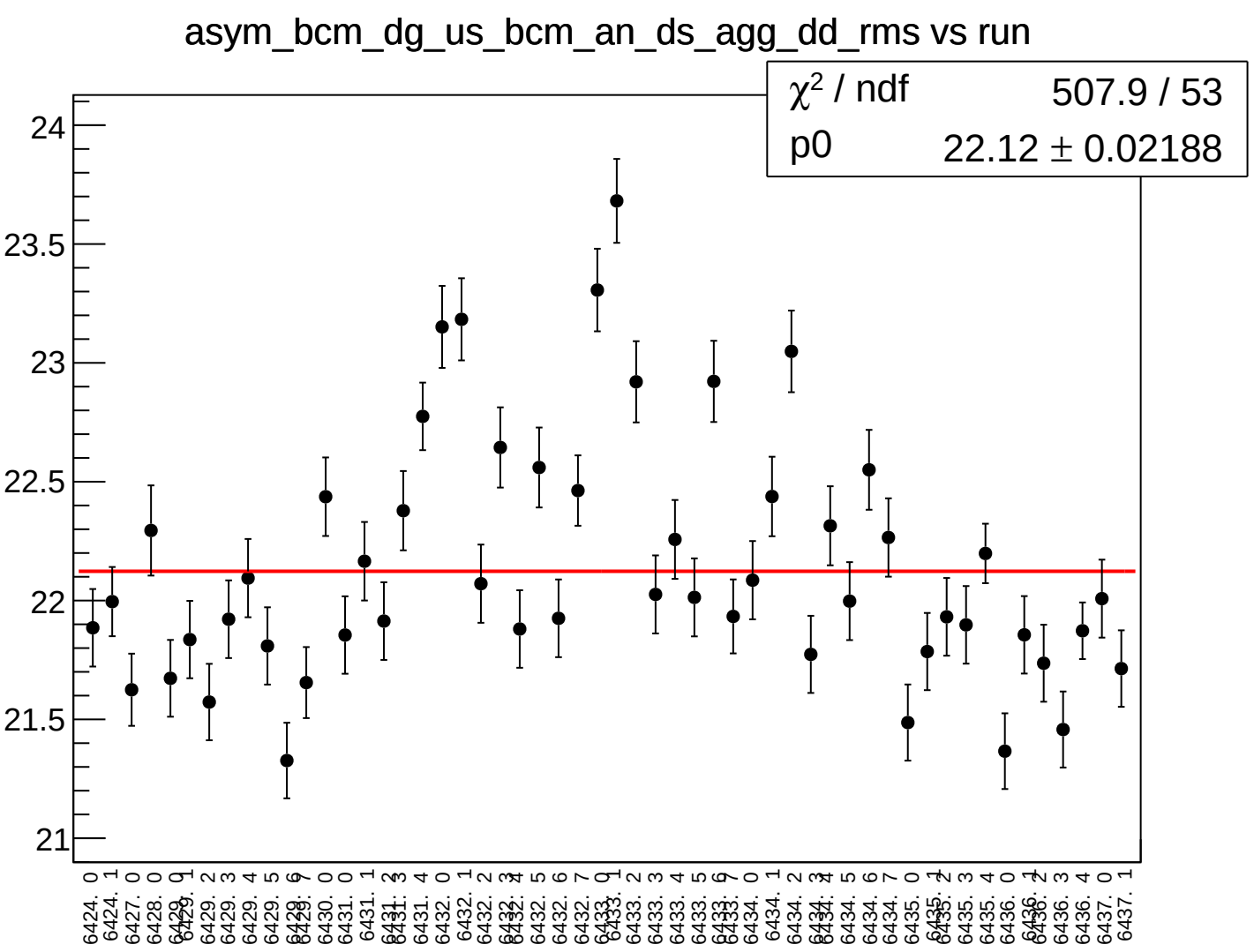

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.42 / 53
p0 293.2 ± 220
pull
Entries 54
Mean −230
Std Dev 0

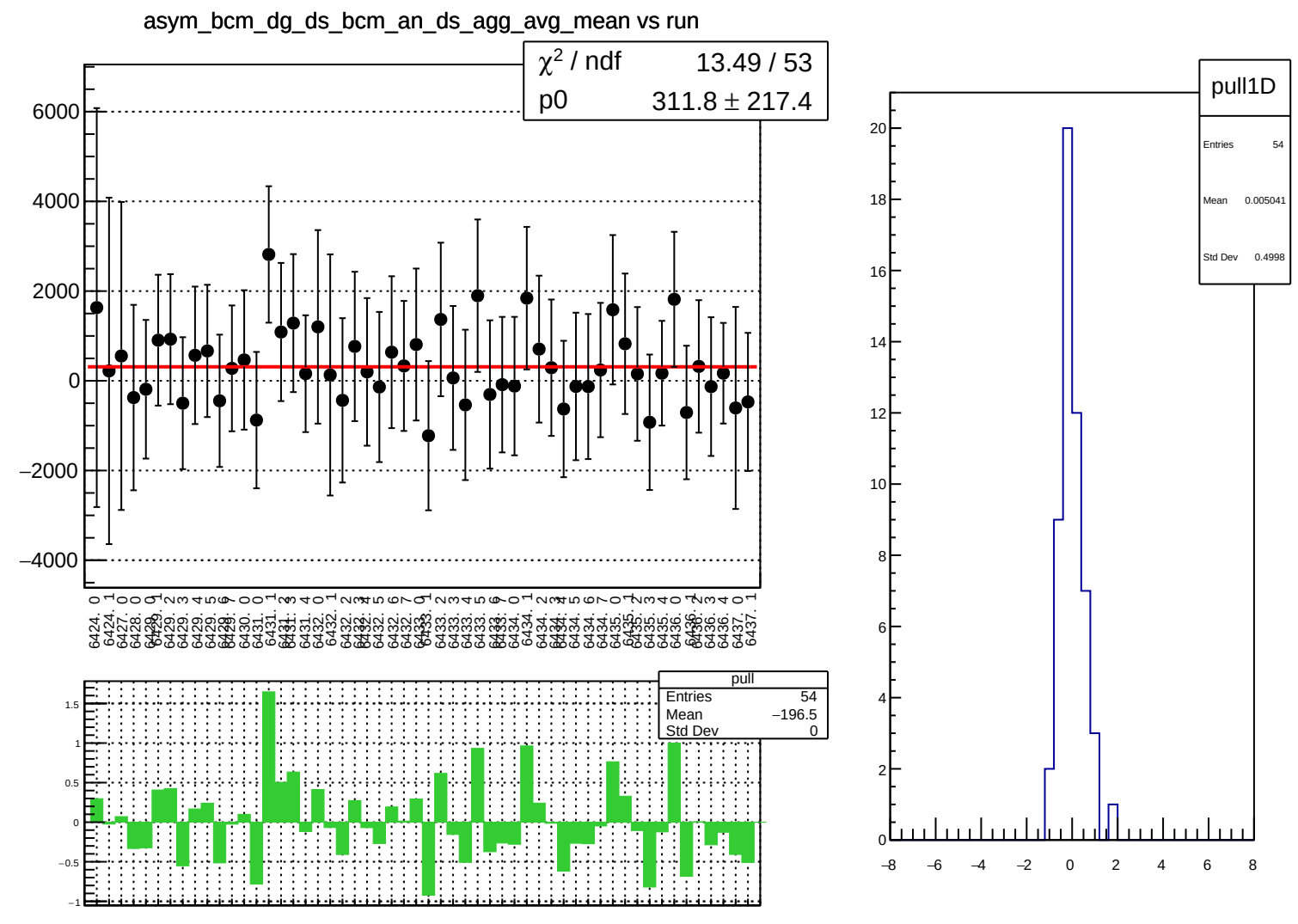

pull1D
Entries 54
Mean 0.00481
Std Dev 0.5167

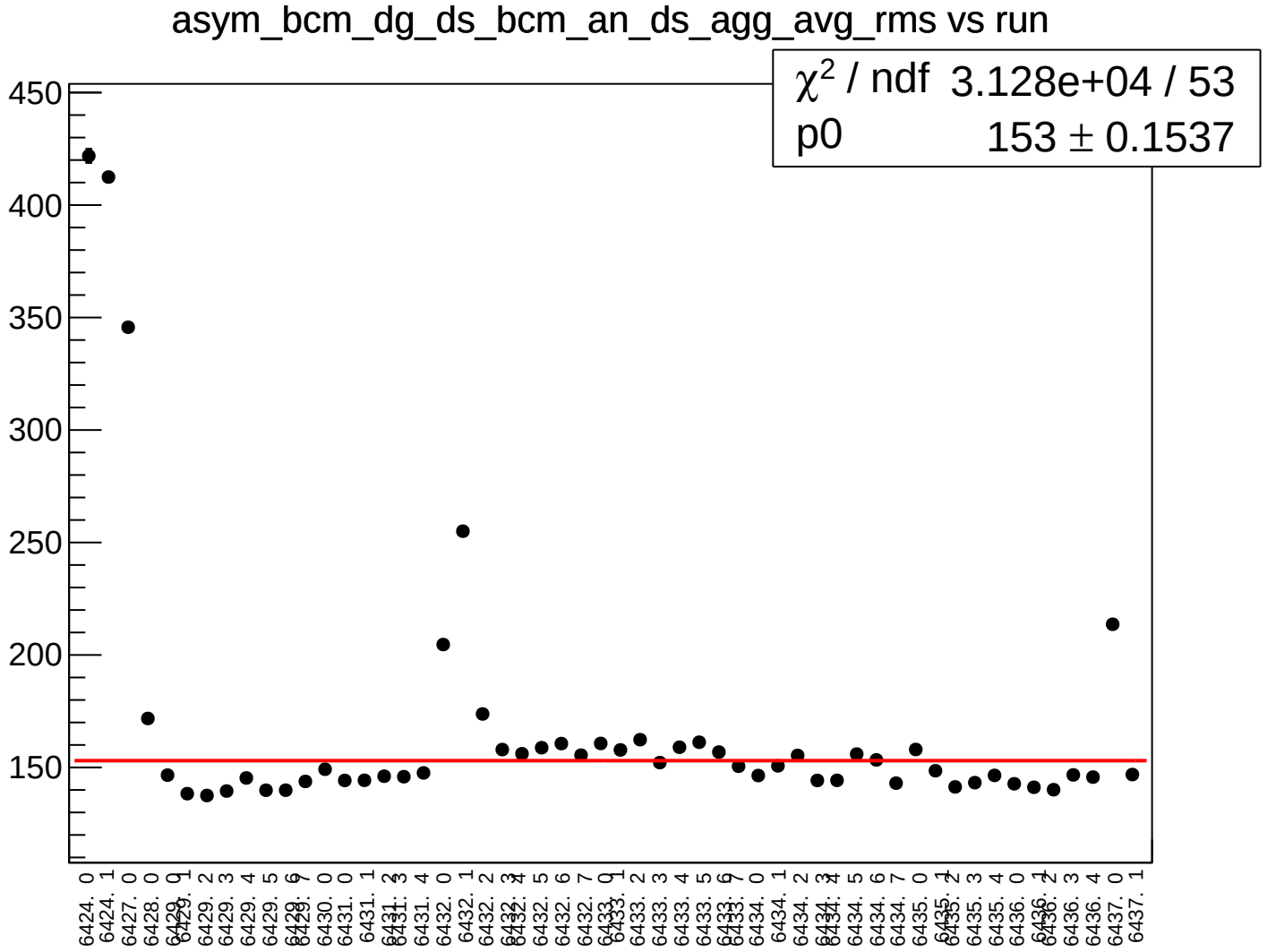

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.132e+04 / 53
p0 154.9 ± 0.1556
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

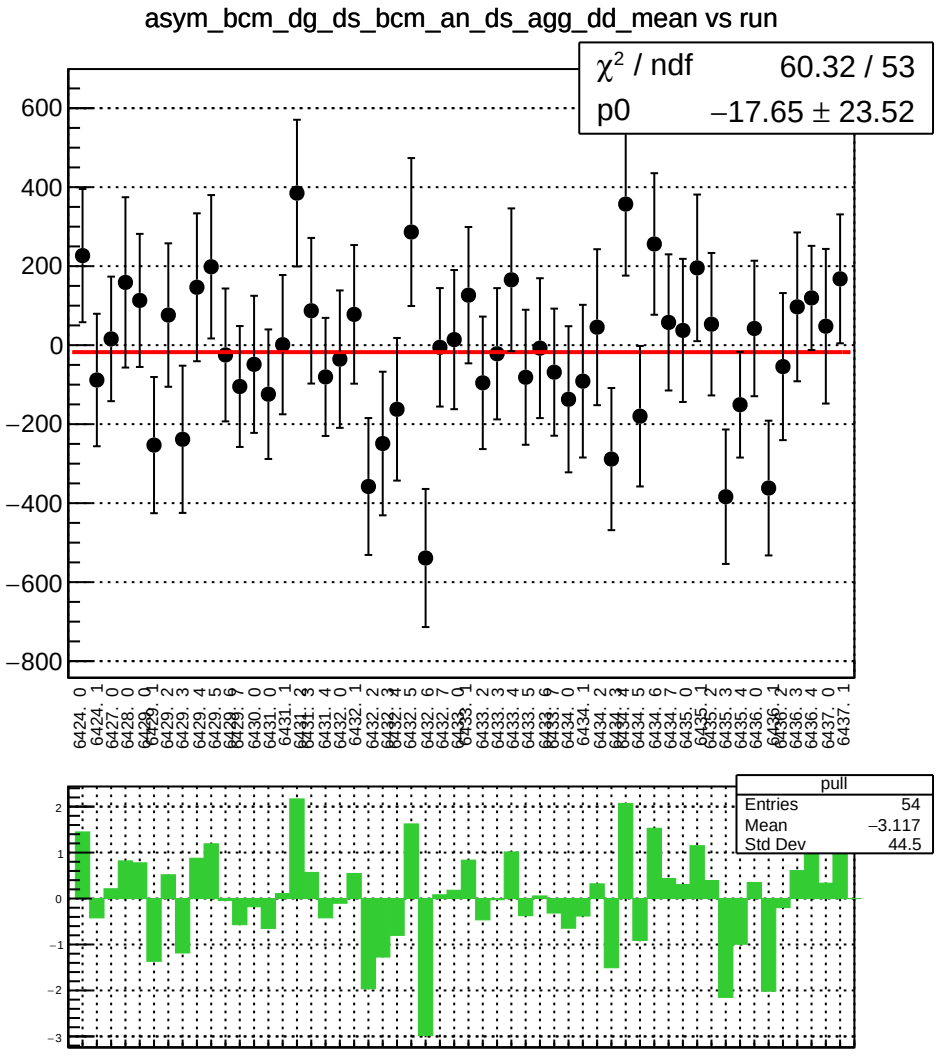

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 57.1 / 53
p0 −45.3 ± 30.95
pull
Entries 54
Mean 21.73
Std Dev 10.03

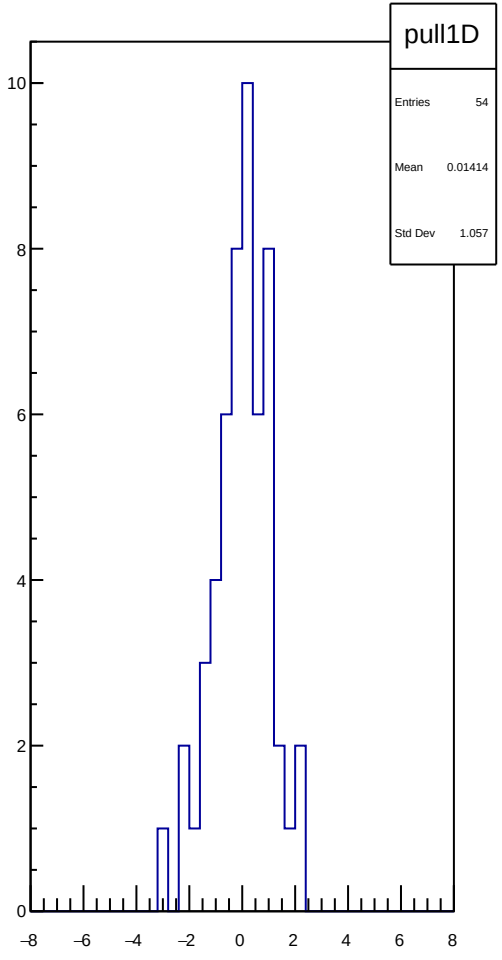

pull1D
Entries 54
Mean 0.01778
Std Dev 1.028

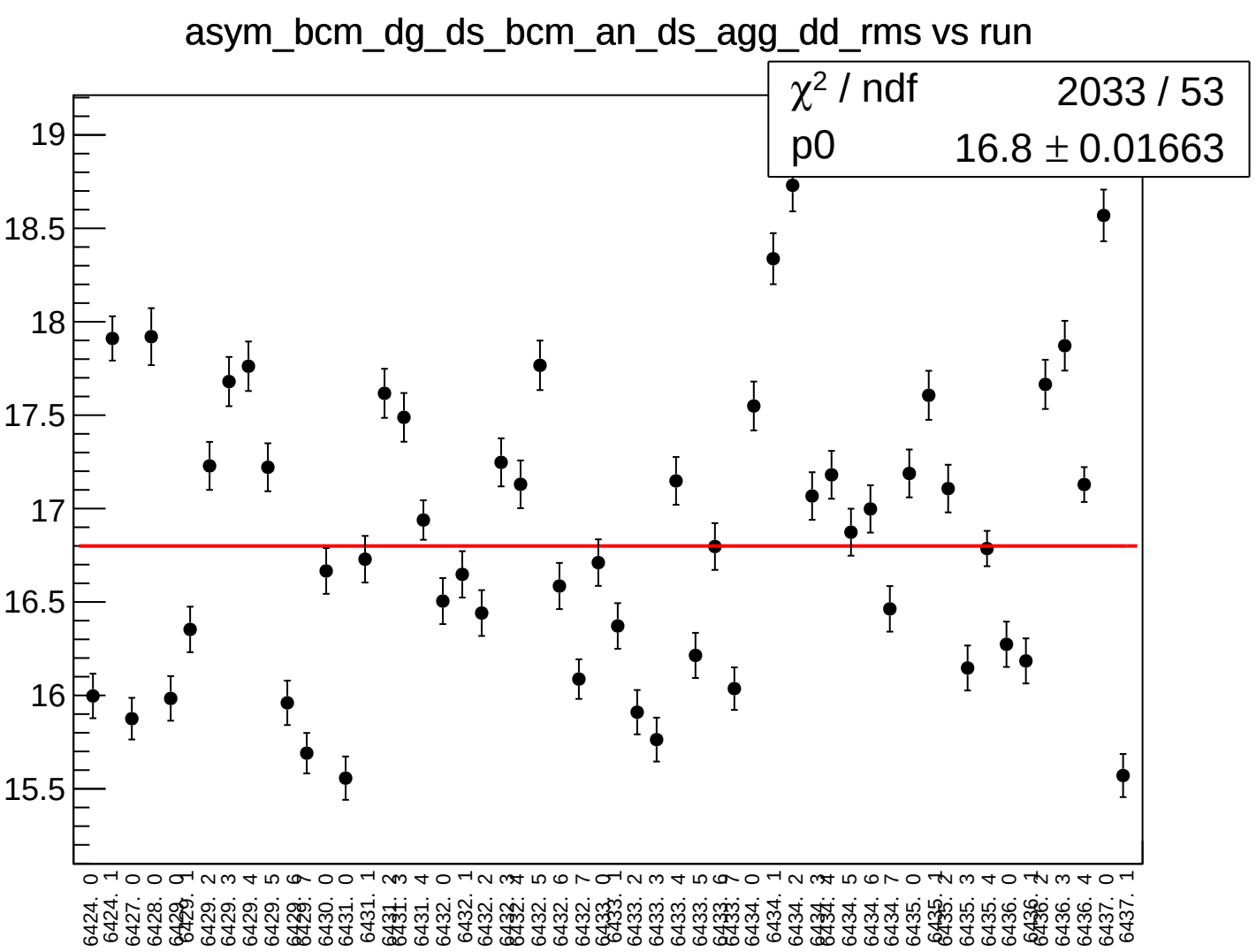

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 507.9 / 53
p0 22.12 ± 0.02188
24
23.5
23
22.5
22
21.5
21
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

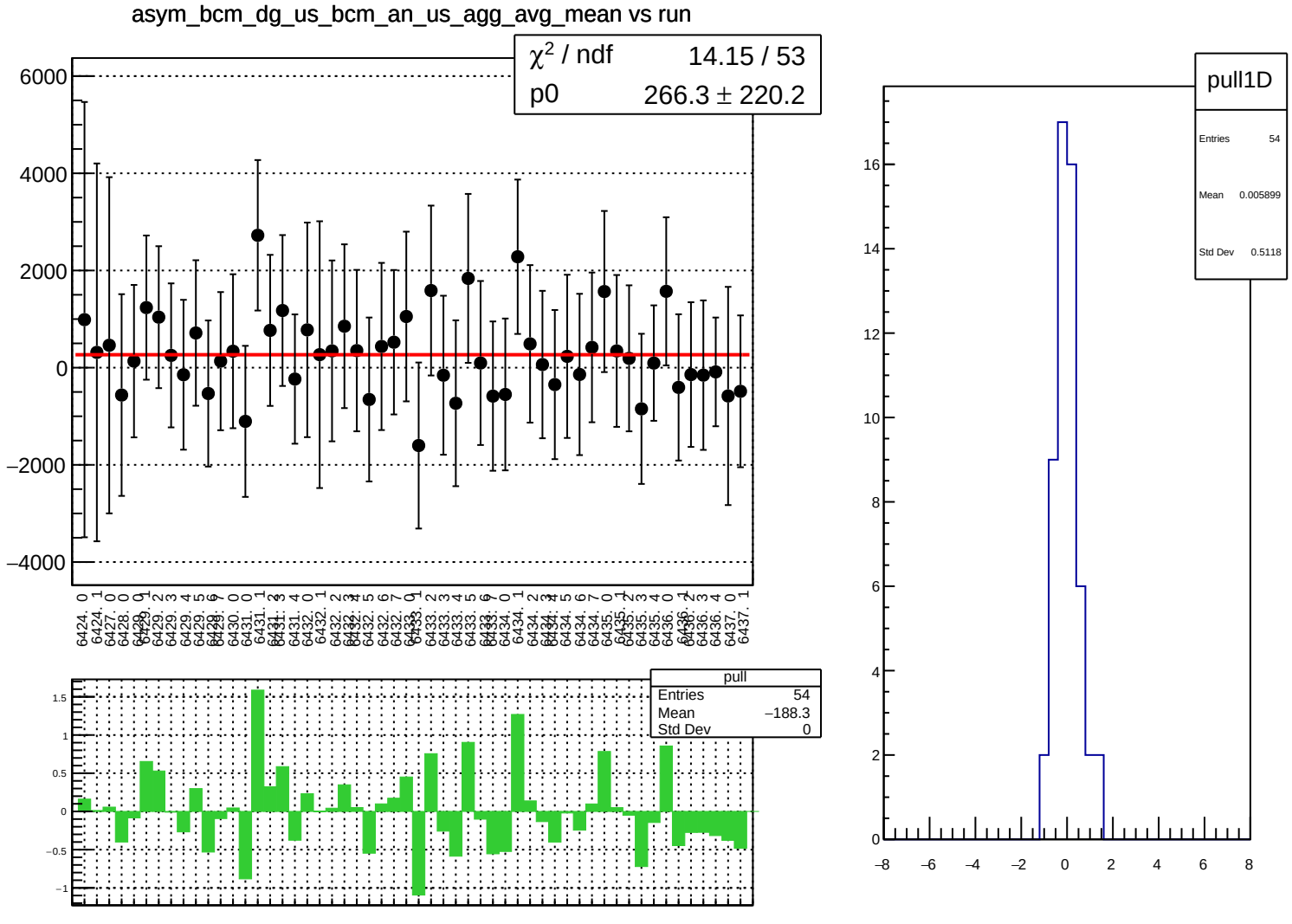

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.49 / 53
p0 311.8 ± 217.4
pull
Entries 54
Mean −196.5
Std Dev 0
pull1D
Entries 54
Mean 0.005041
Std Dev 0.4998

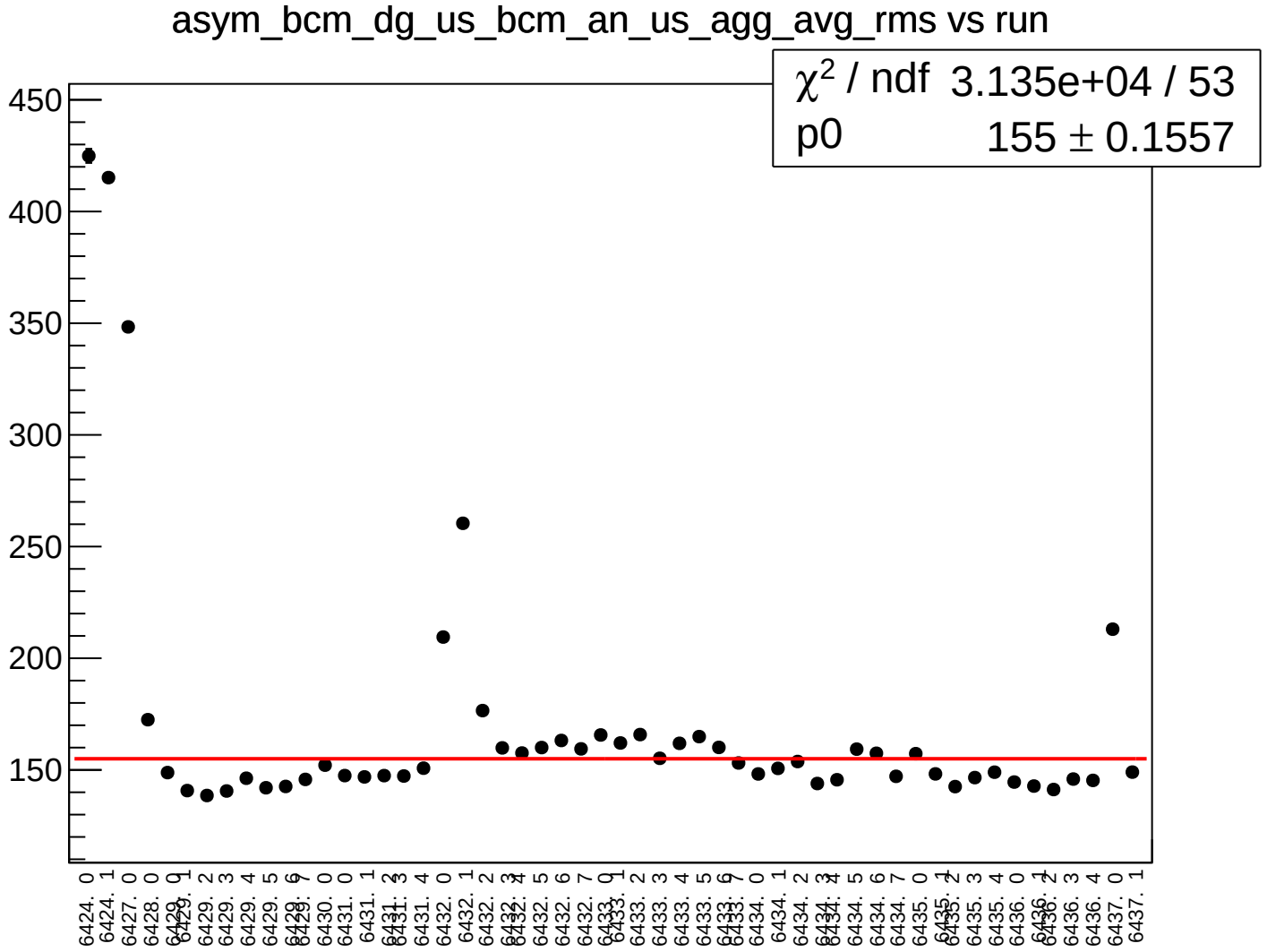

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.128e+04 / 53
p0 153 ± 0.1537
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

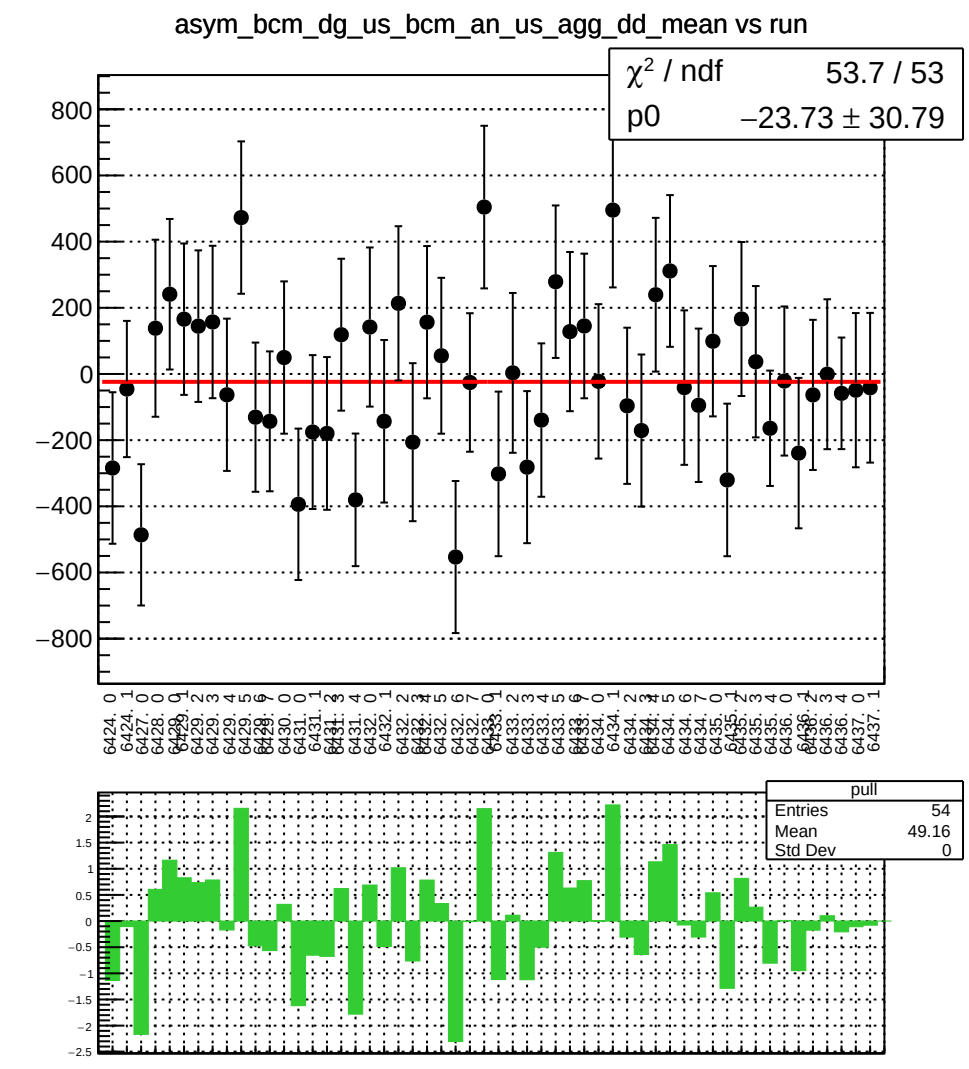

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 60.32 / 53
p0 −17.65 ± 23.52
pull
Entries 54
Mean −3.117
Std Dev 44.5

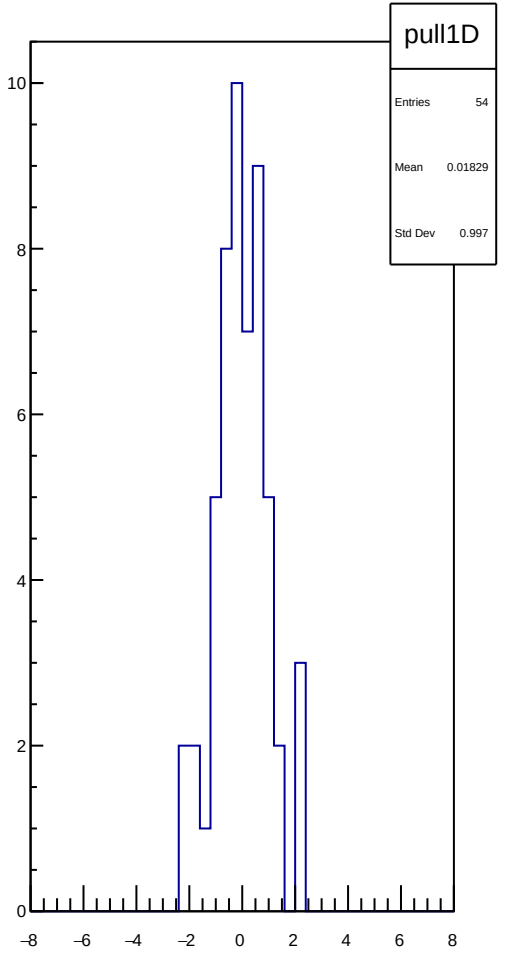

pull1D
Entries 54
Mean 0.01414
Std Dev 1.057

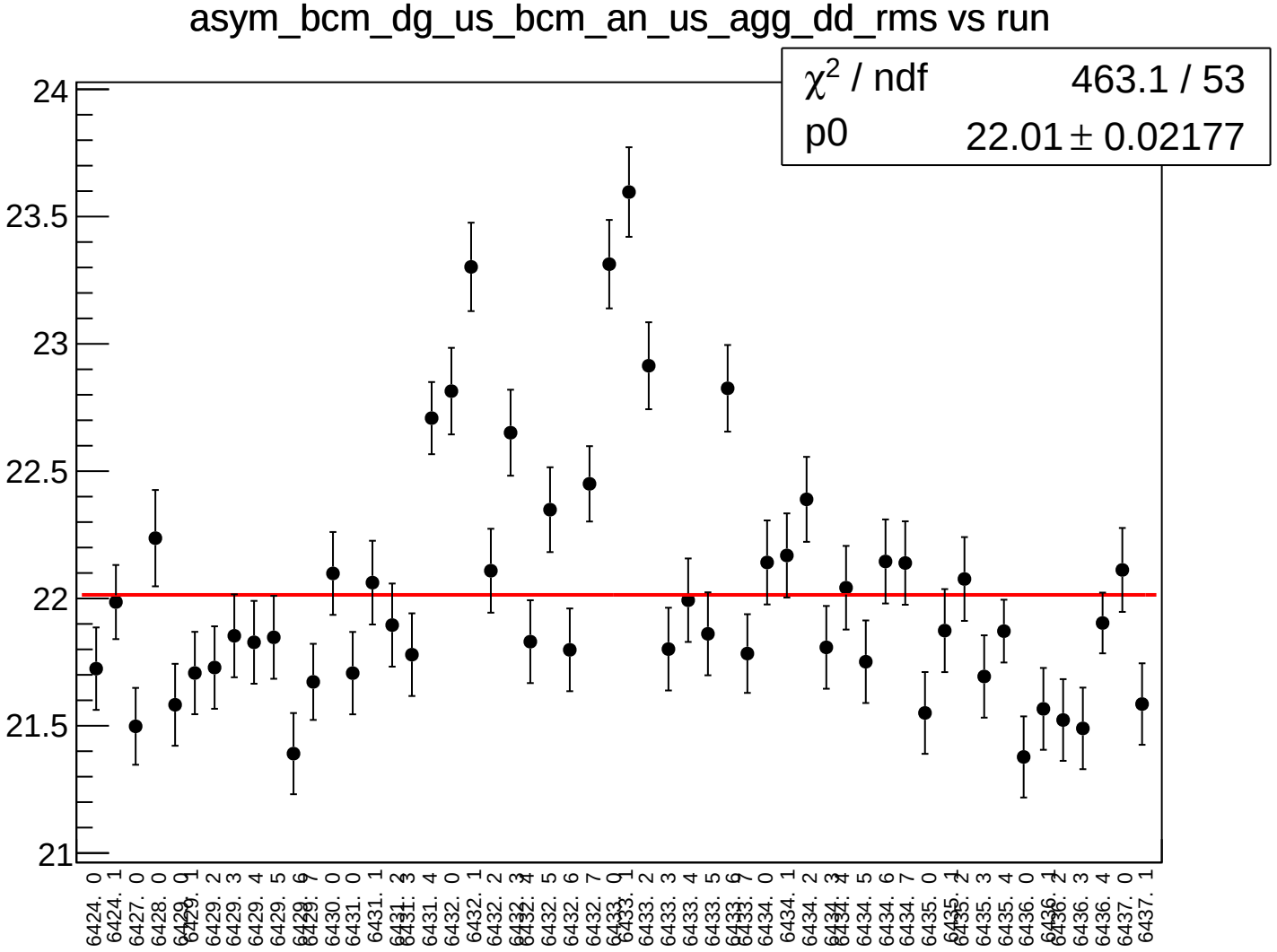

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2033 / 53
p0 16.8 ± 0.01663
19
18.5
18
17.5
17
16.5
16
15.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 14.15 / 53
p0 266.3 ± 220.2
pull
Entries 54
Mean −188.3
Std Dev 0
pull1D
Entries 54
Mean 0.005899
Std Dev 0.5118


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 3.135e+04 / 53
p0 155 ± 0.1557
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 53.7 / 53
p0 −23.73 ± 30.79
pull
Entries 54
Mean 49.16
Std Dev 0


pull1D
Entries 54
Mean 0.01829
Std Dev 0.997


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 463.1 / 53
p0 22.01 ± 0.02177
24
23.5
23
22.5
22
21.5
21
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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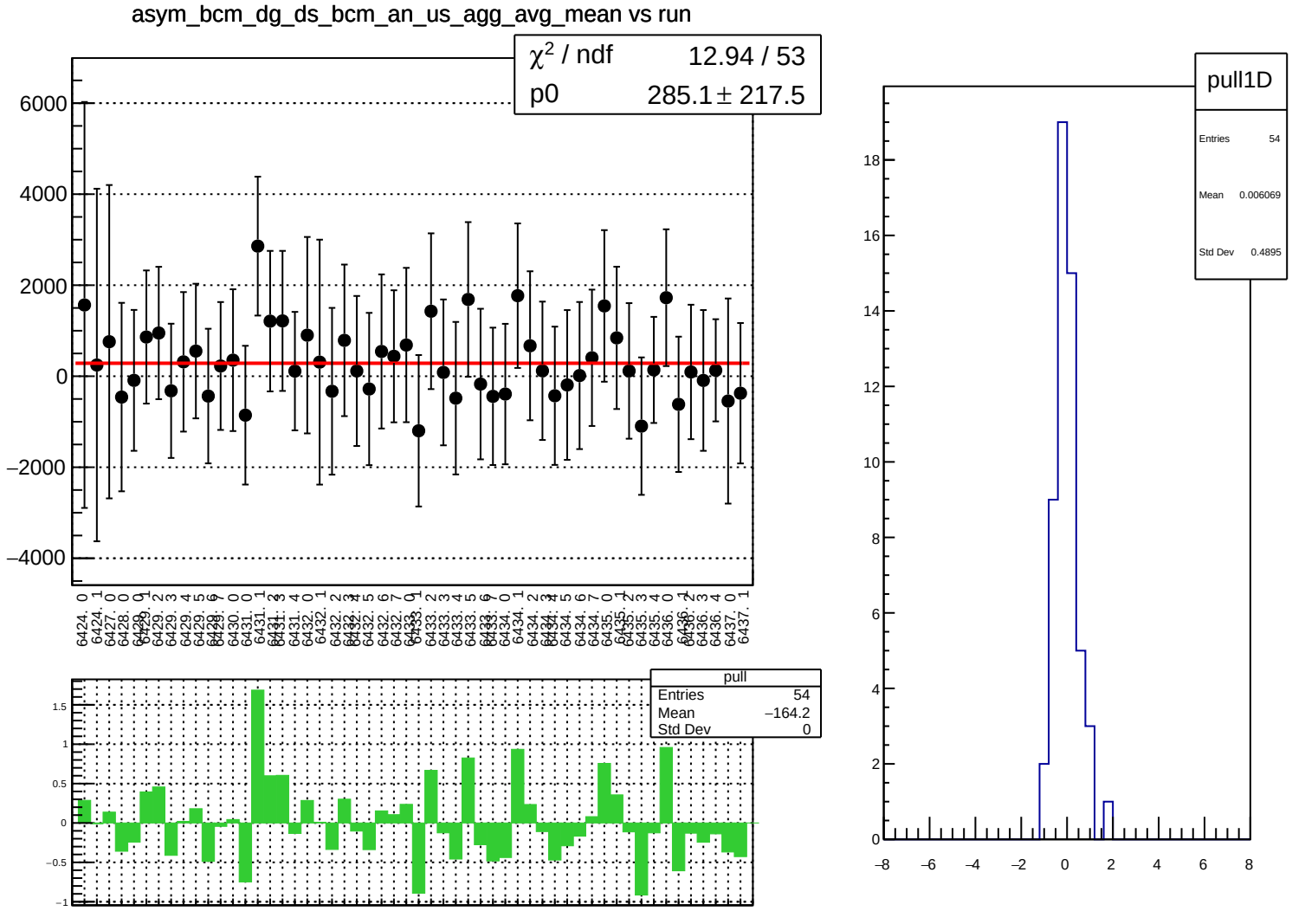
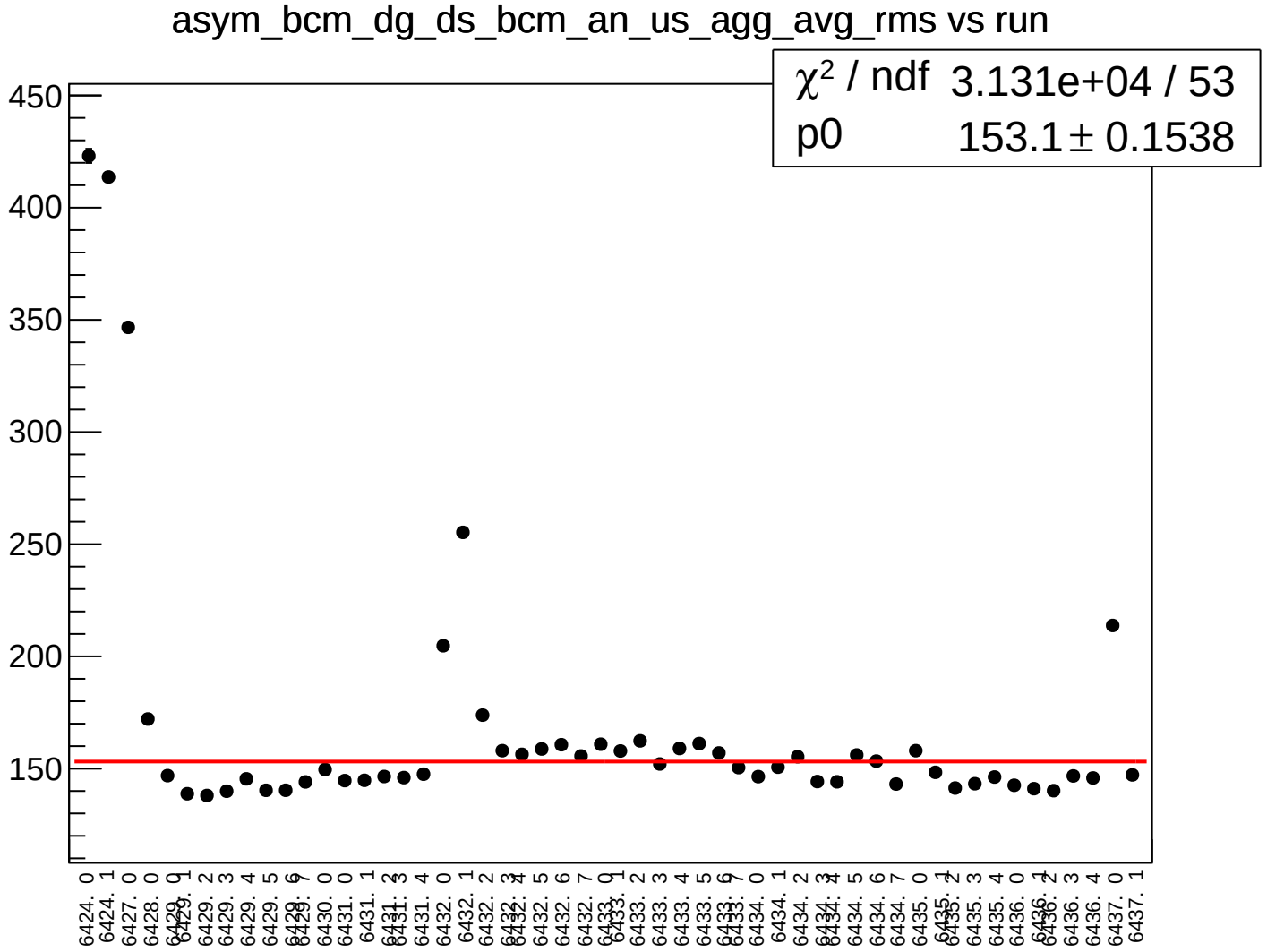
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.94 / 53
p0 285.1 ± 217.5
pull
Entries 54
Mean −164.2
Std Dev 0
pull1D
Entries 54
Mean 0.006069
Std Dev 0.4895


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.131e+04 / 53
p0 153.1 ± 0.1538
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6434. 0
6434. 1
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6434. 5
6434. 6
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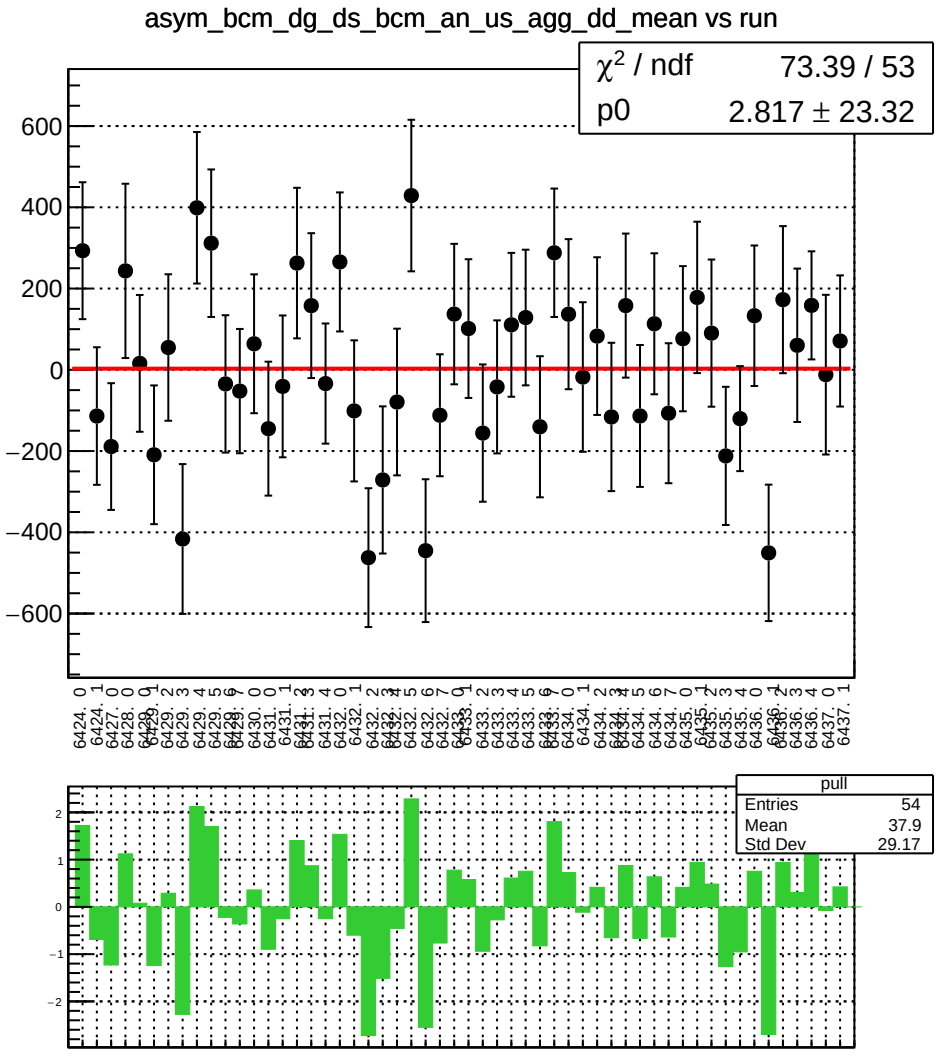
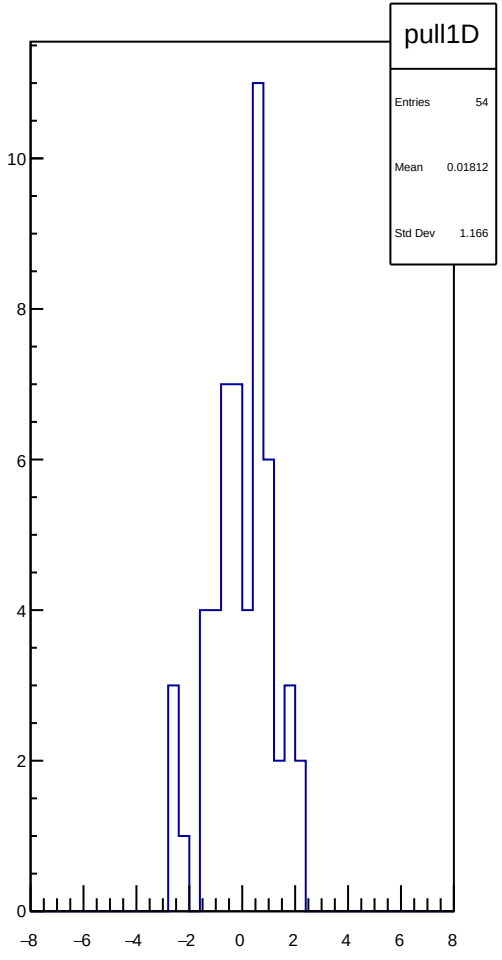
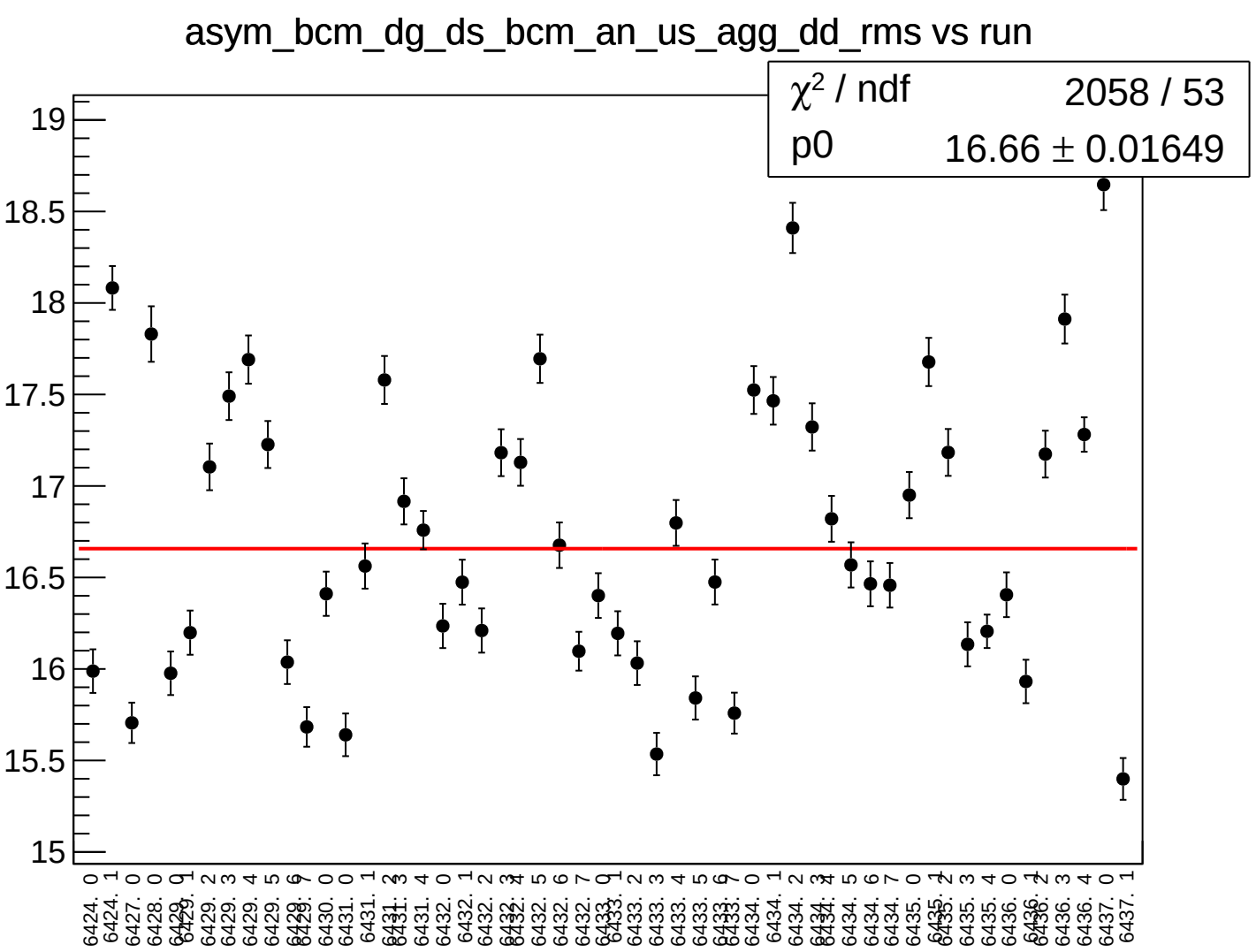
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 73.39 / 53
p0 2.817 ± 23.32
pull
Entries 54
Mean 37.9
Std Dev 29.17


pull1D
Entries 54
Mean 0.01812
Std Dev 1.166


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2058 / 53
p0 16.66 ± 0.01649
19
18.5
18
17.5
17
16.5
16
15.5
15
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
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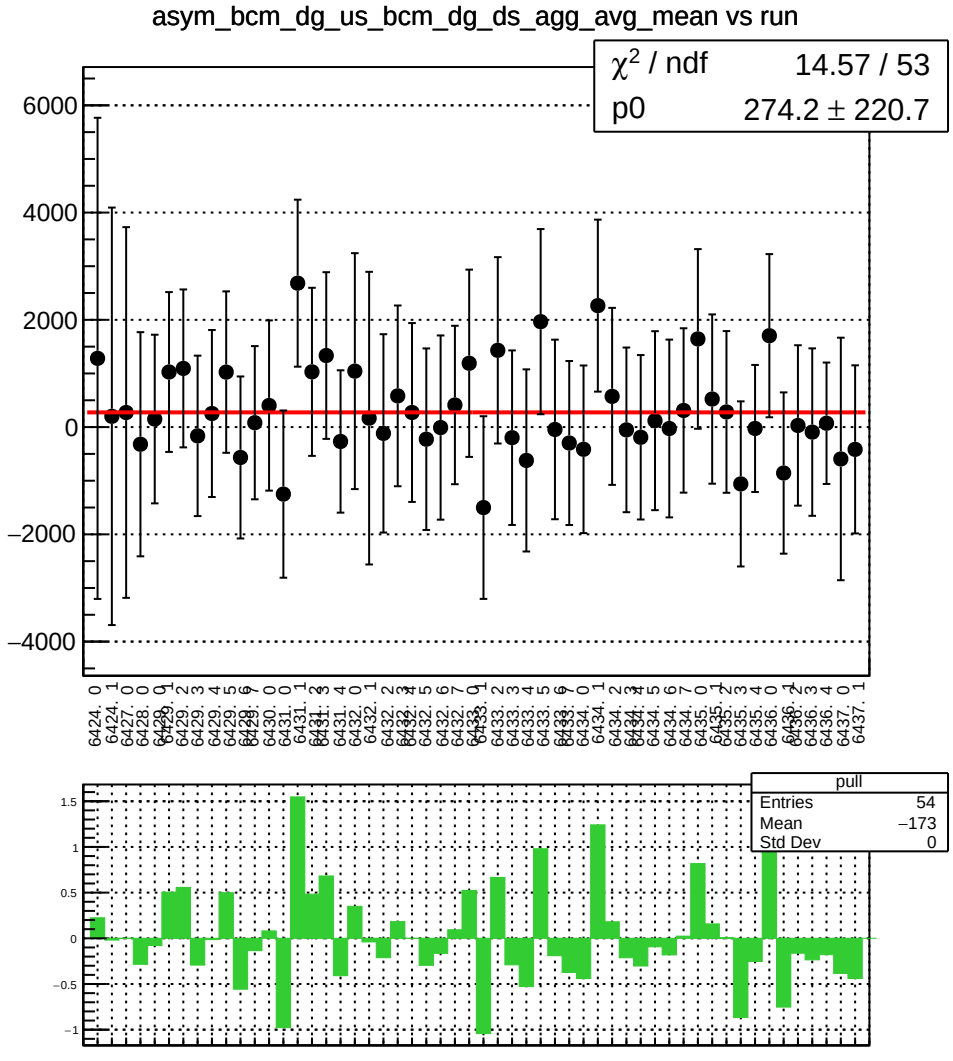
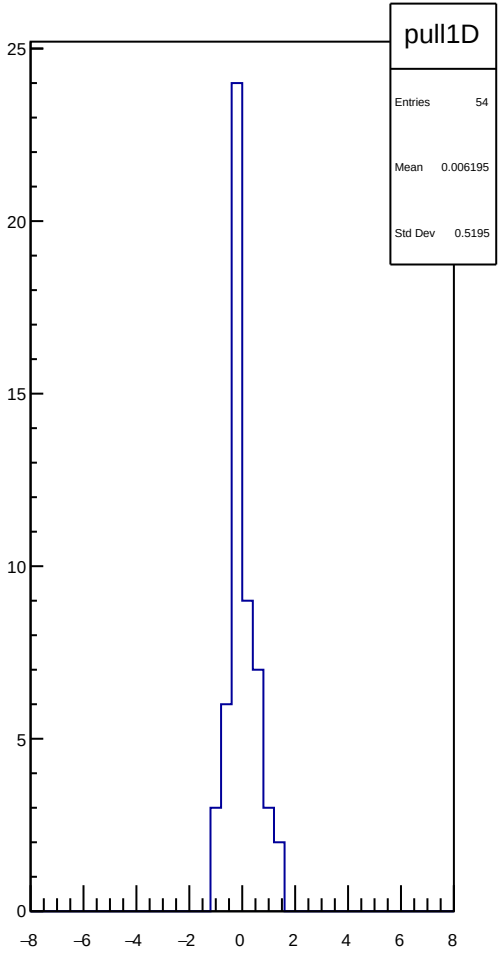
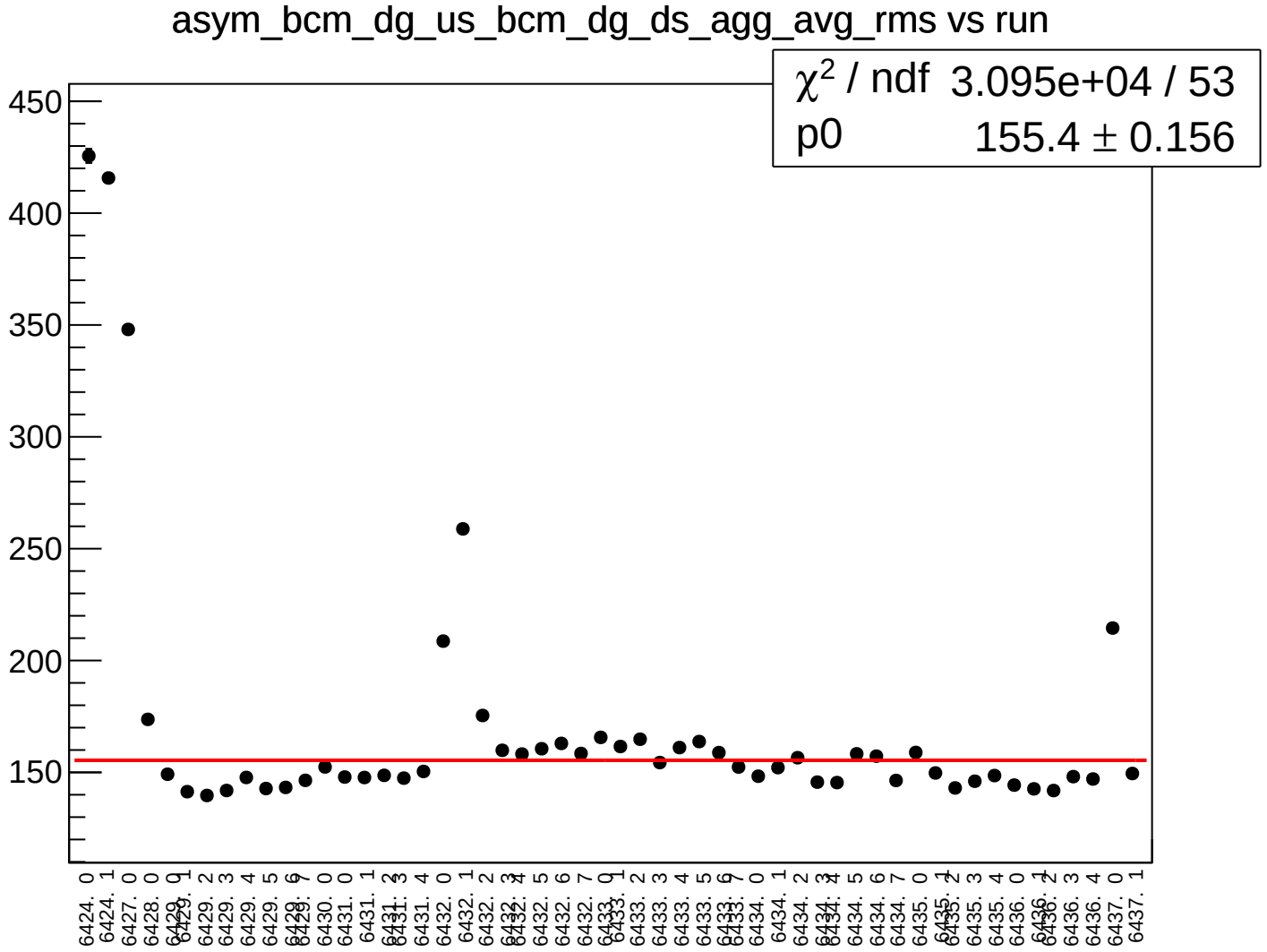
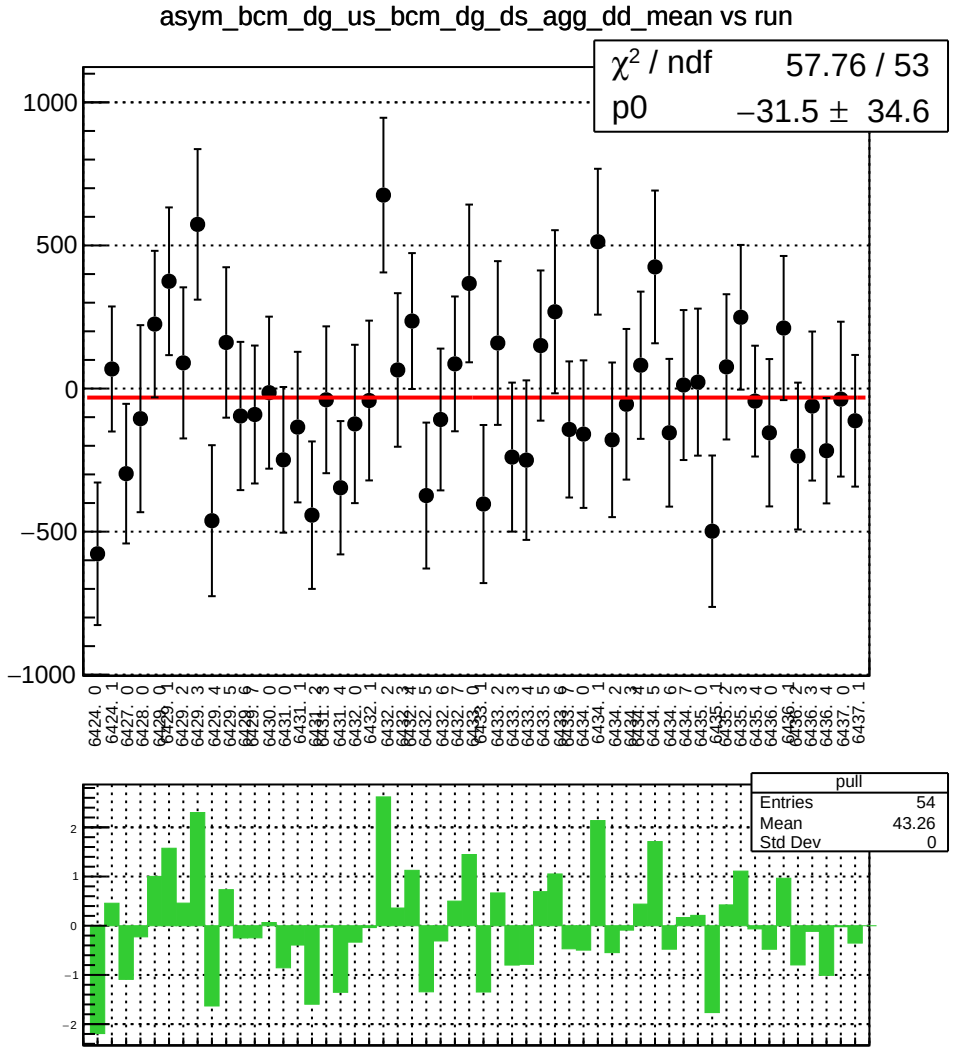
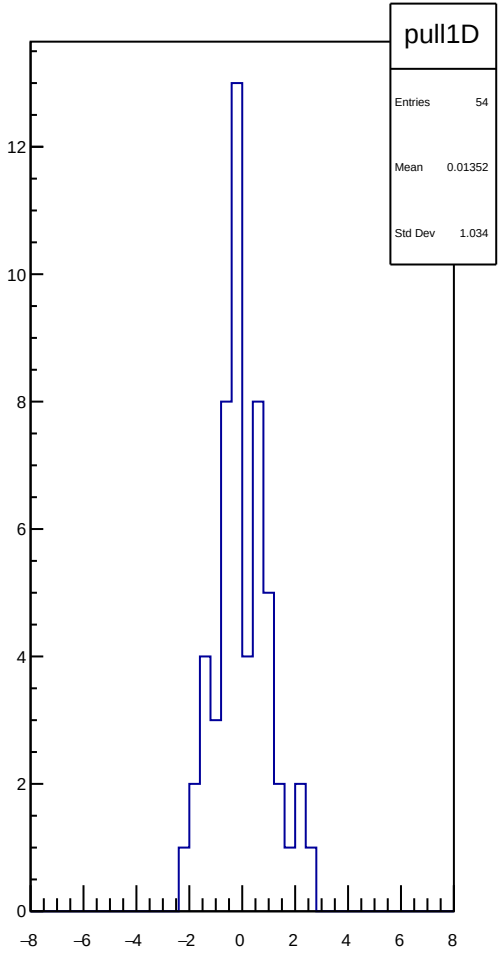
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

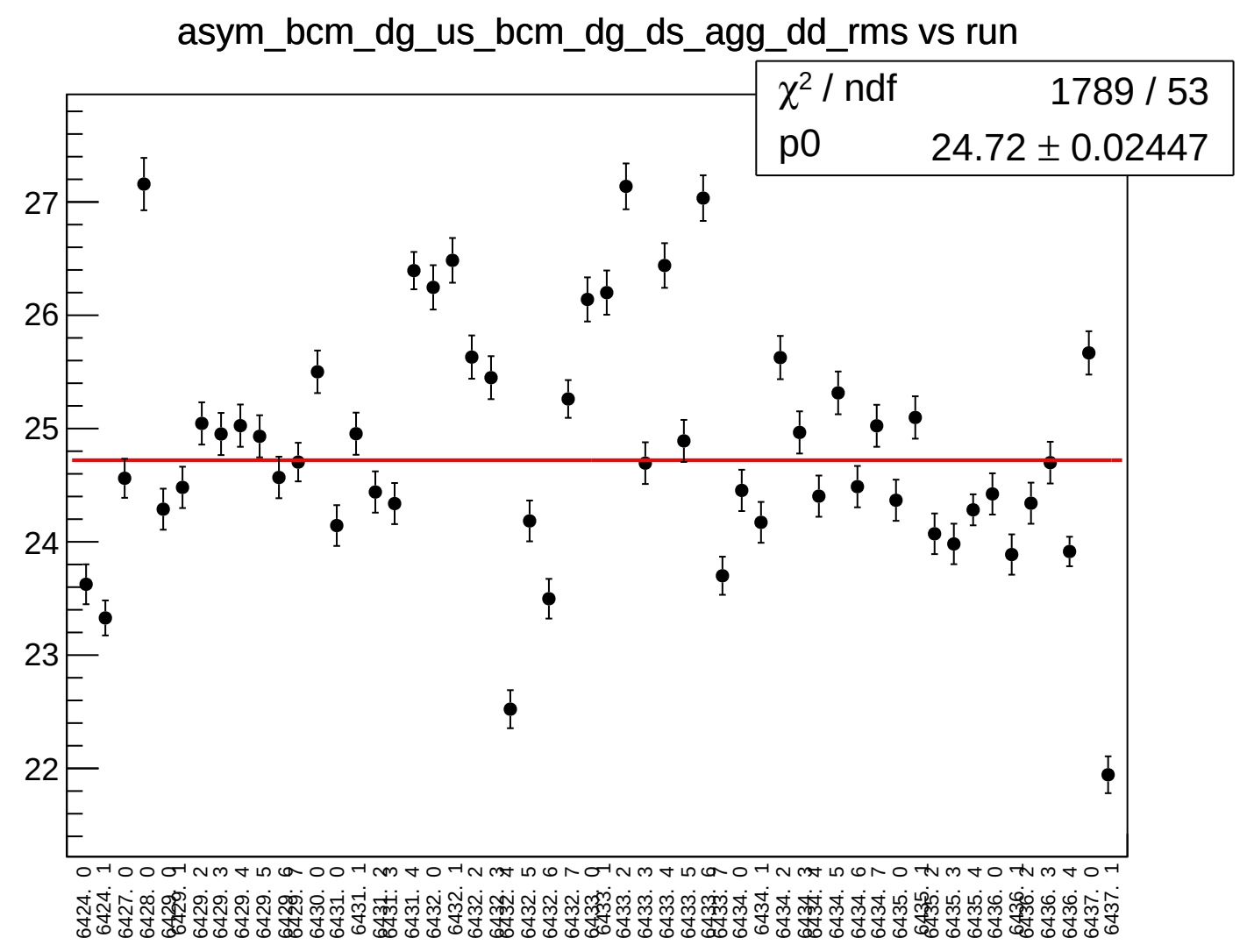

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 14.57 / 53
p0 274.2 ± 220.7
pull
Entries 54
Mean −173
Std Dev 0

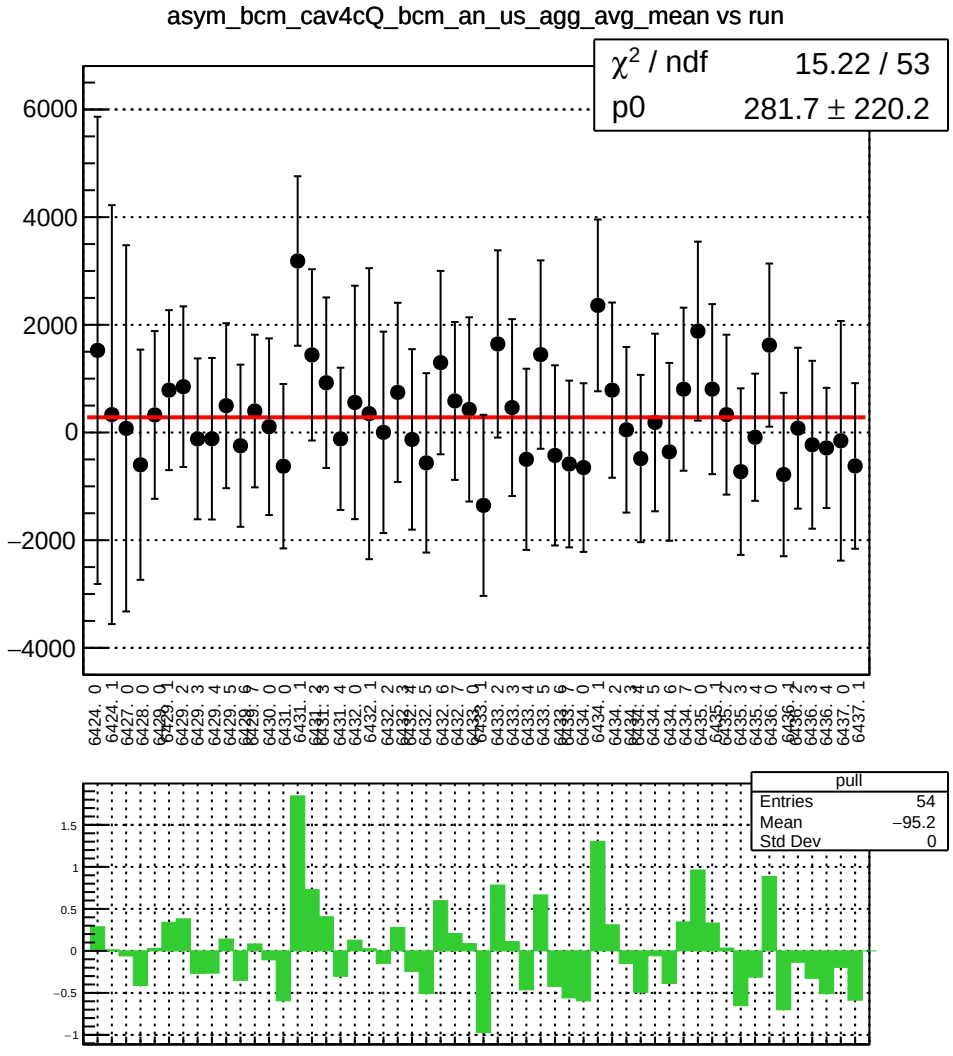

pull1D
Entries 54
Mean 0.006195
Std Dev 0.5195

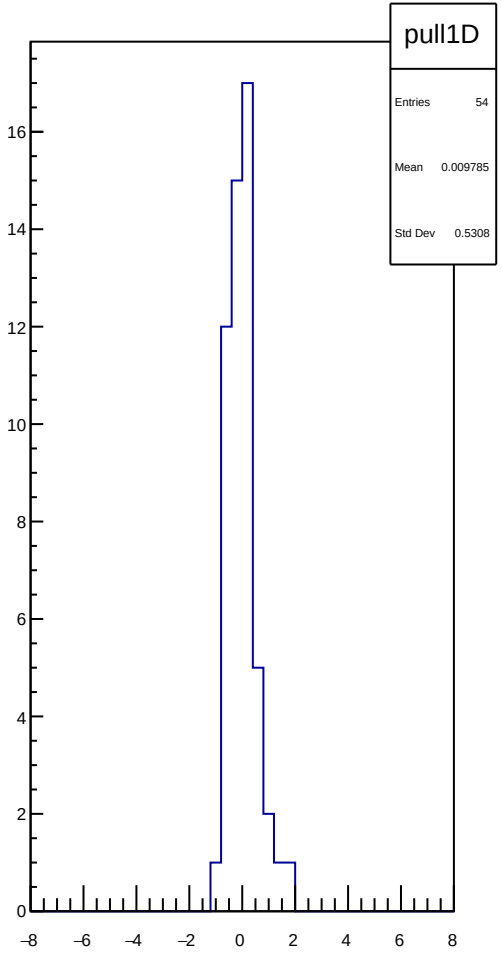

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.095e+04 / 53
p0 155.4 ± 0.156
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

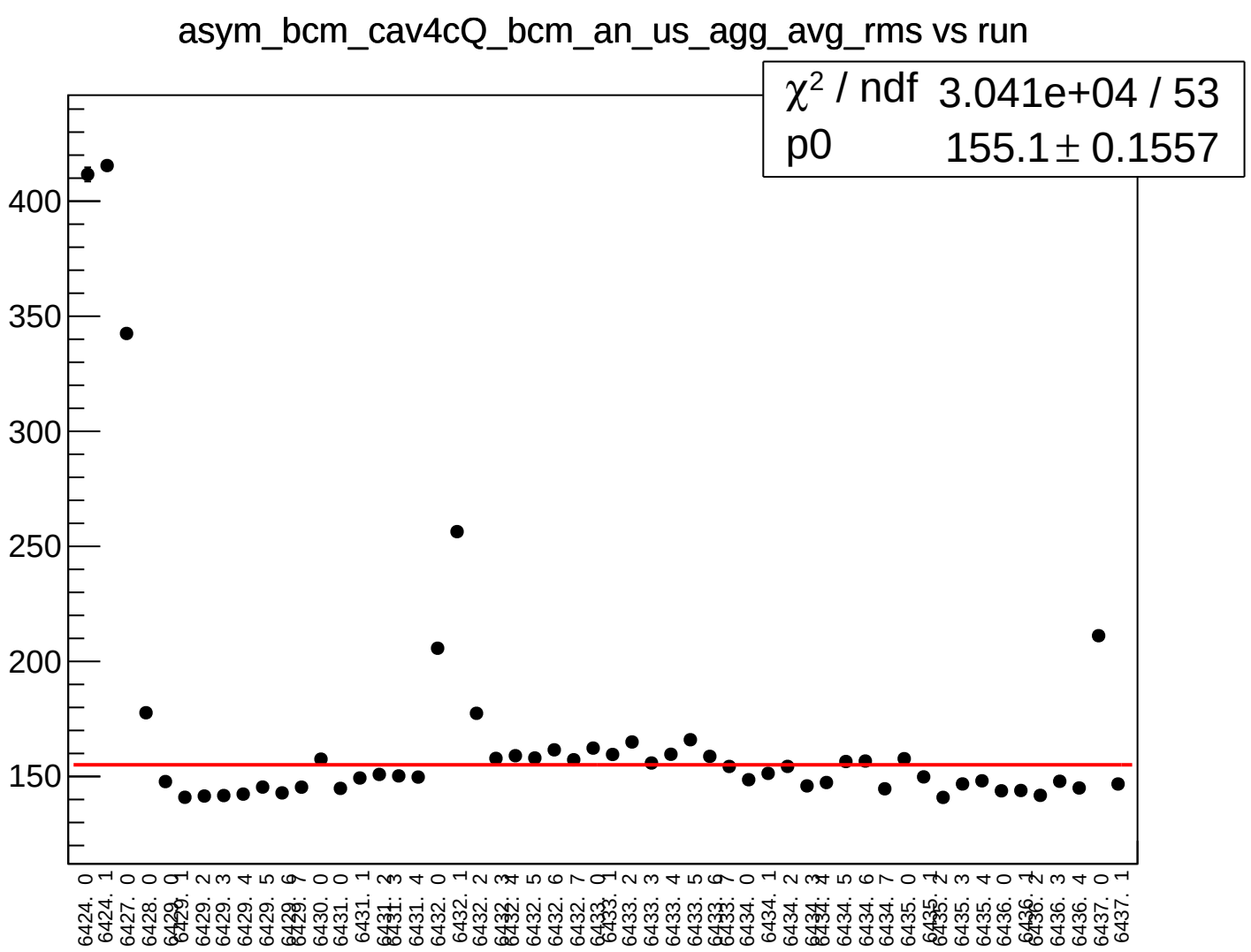

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 57.76 / 53
p0 −31.5 ± 34.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 43.26
Std Dev 0
2
1
0
−1
−2

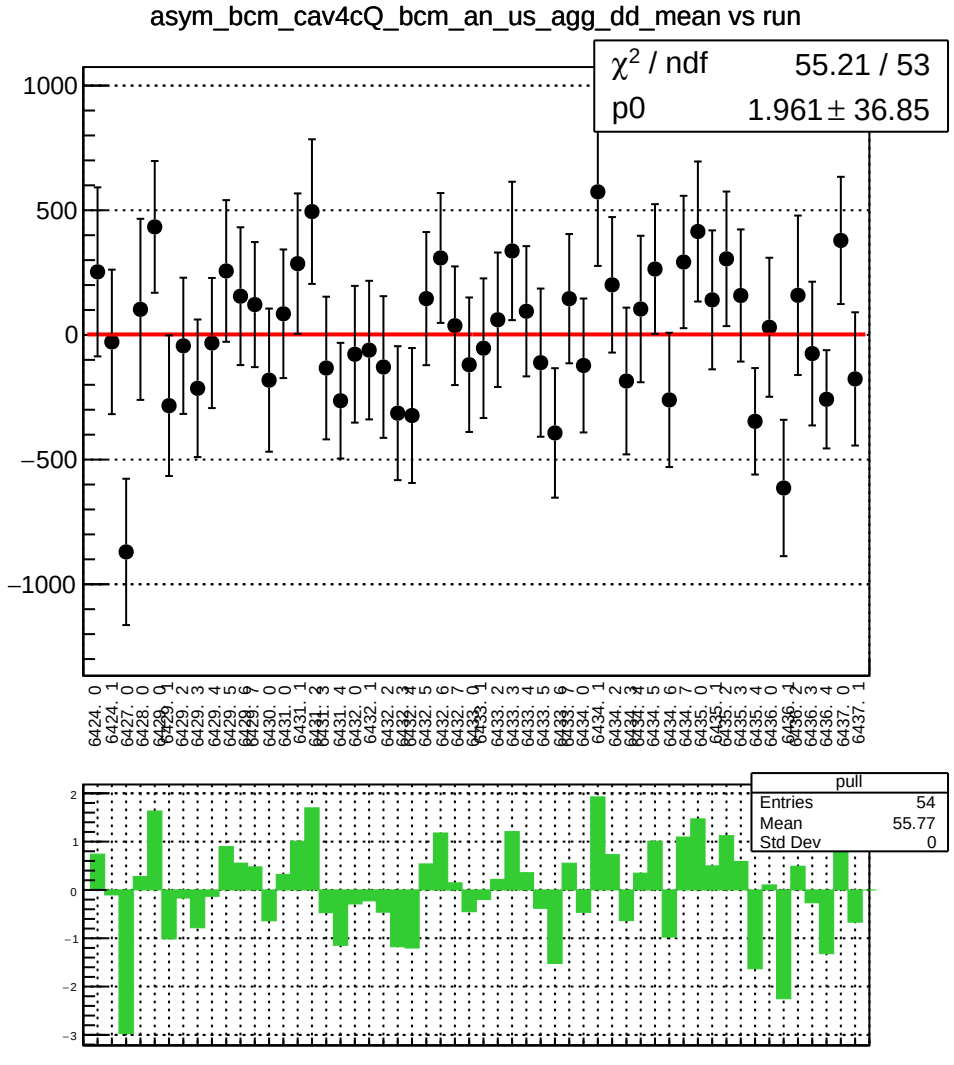

pull1D
Entries 54
Mean 0.01352
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

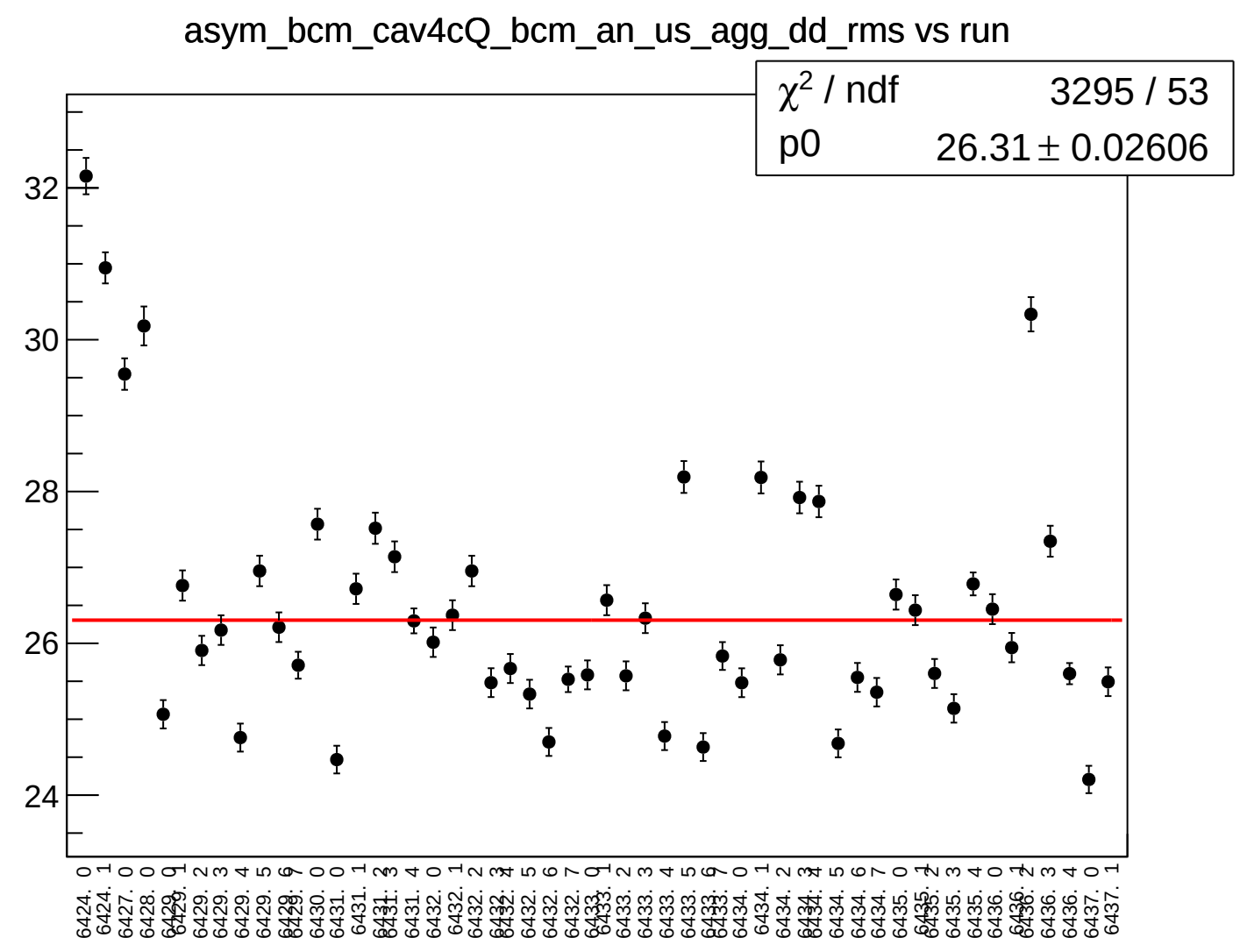

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1789 / 53
p0 24.72 ± 0.02447
27
26
25
24
23
22
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

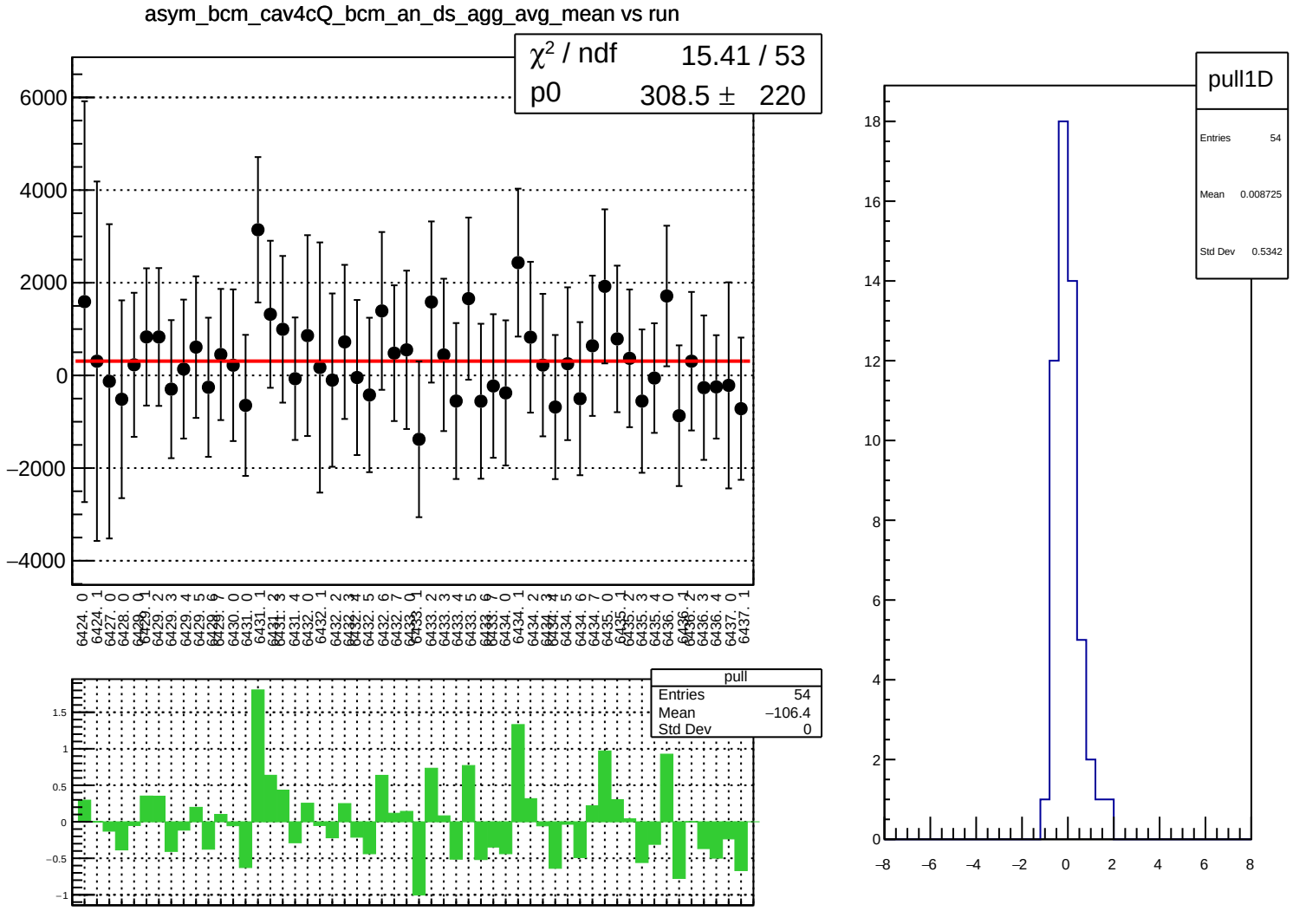

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 15.22 / 53
p0 281.7 ± 220.2
pull
Entries 54
Mean −95.2
Std Dev 0

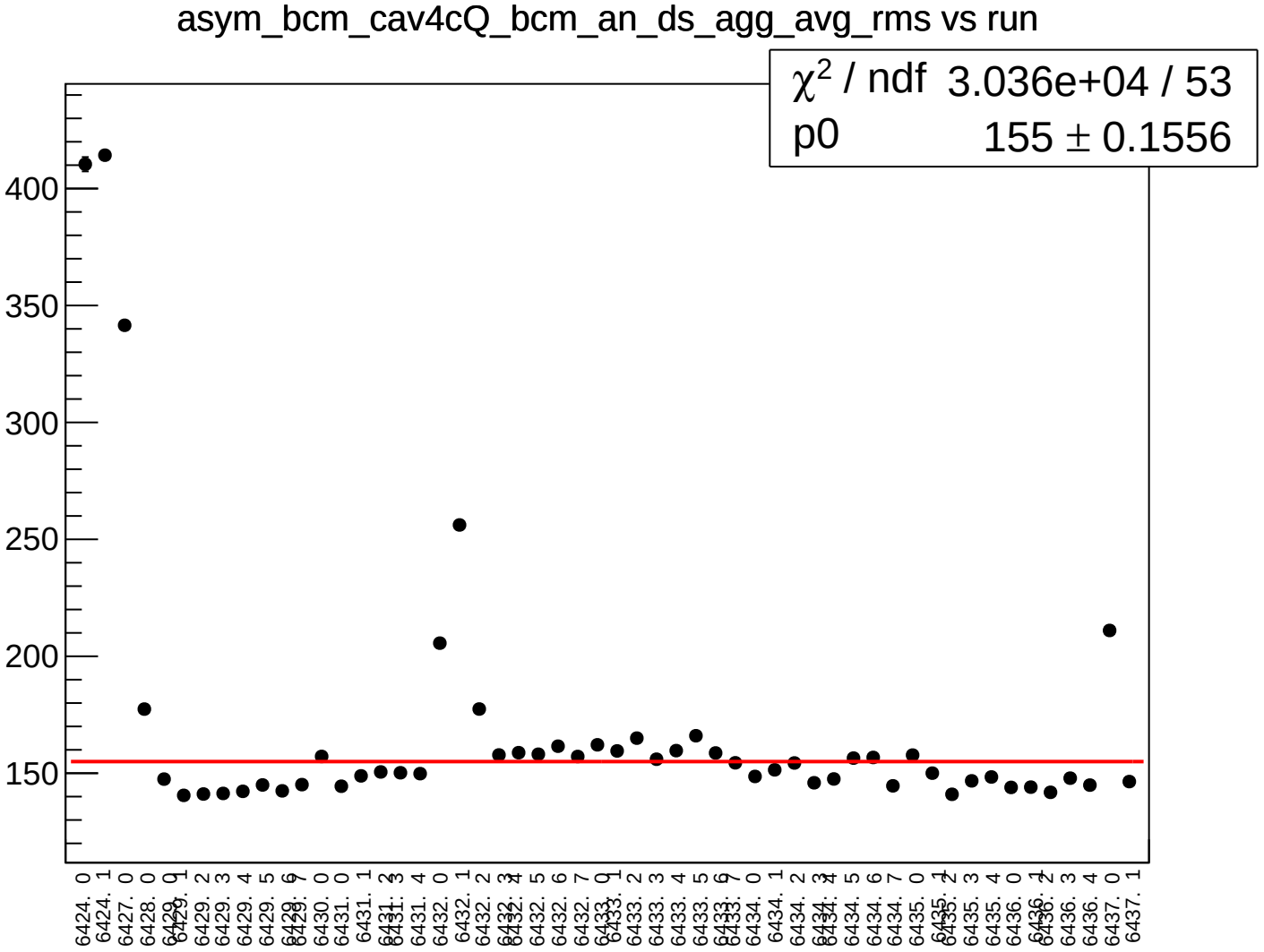

pull1D
Entries 54
Mean 0.009785
Std Dev 0.5308

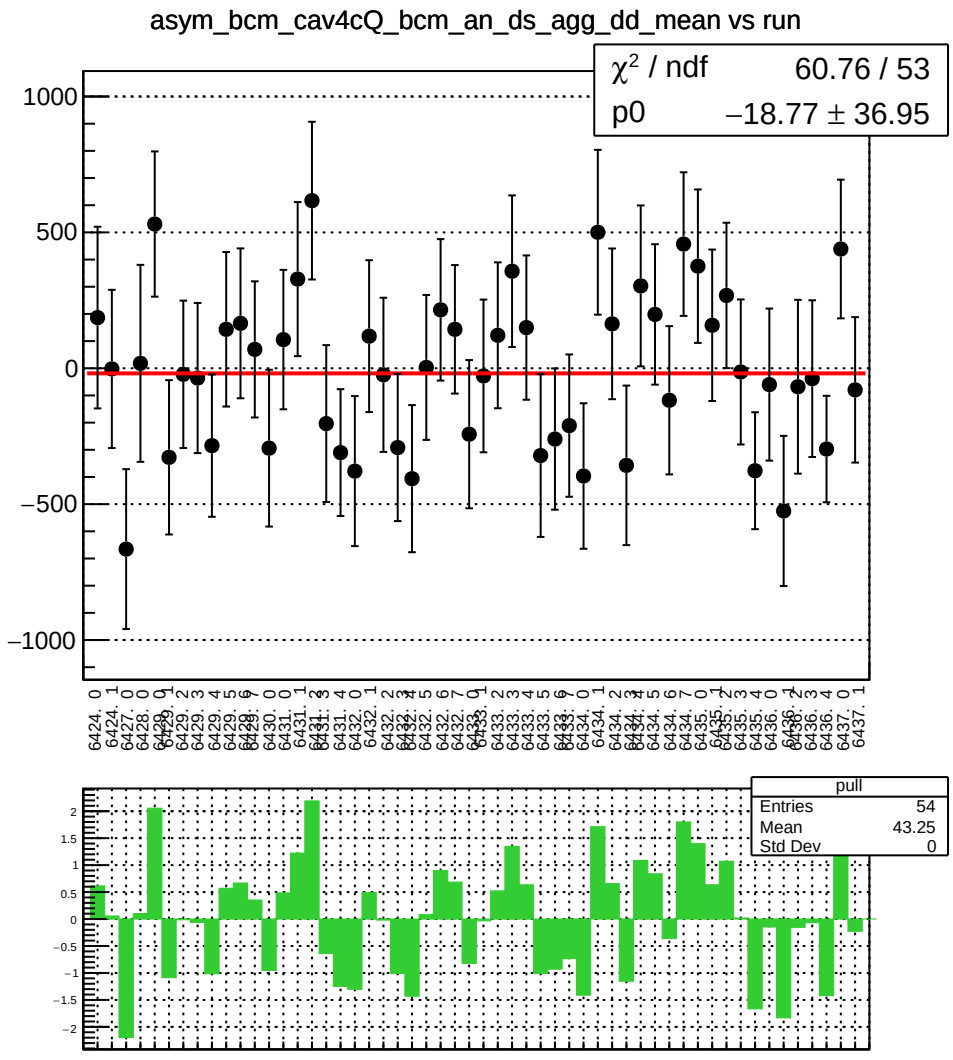

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.041e+04 / 53
p0 155.1 ± 0.1557
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

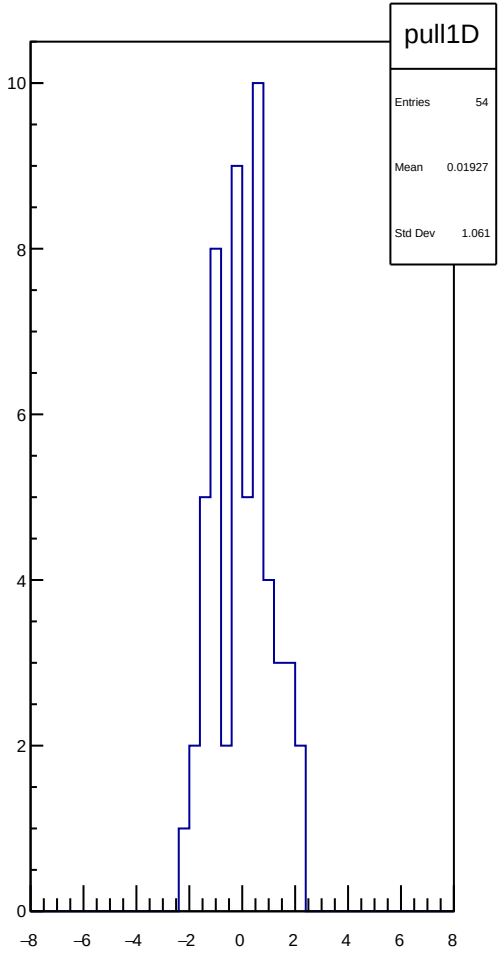

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.21 / 53
p0 1.961 ± 36.85
pull
Entries 54
Mean 55.77
Std Dev 0
pull1D
Entries 54
Mean 0.02089
Std Dev 1.011

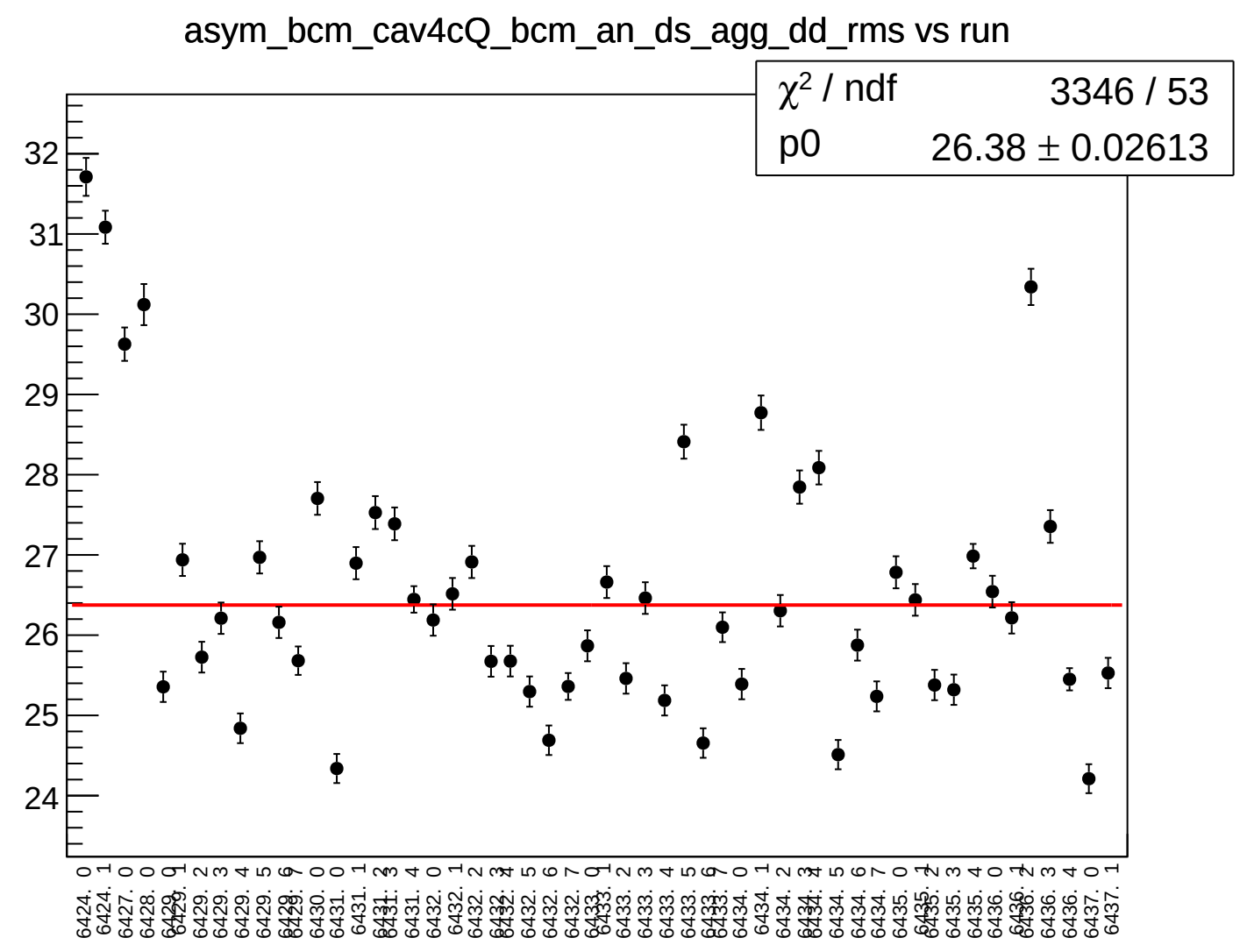

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3295 / 53
p0 26.31 ± 0.02606
32
30
28
26
24
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

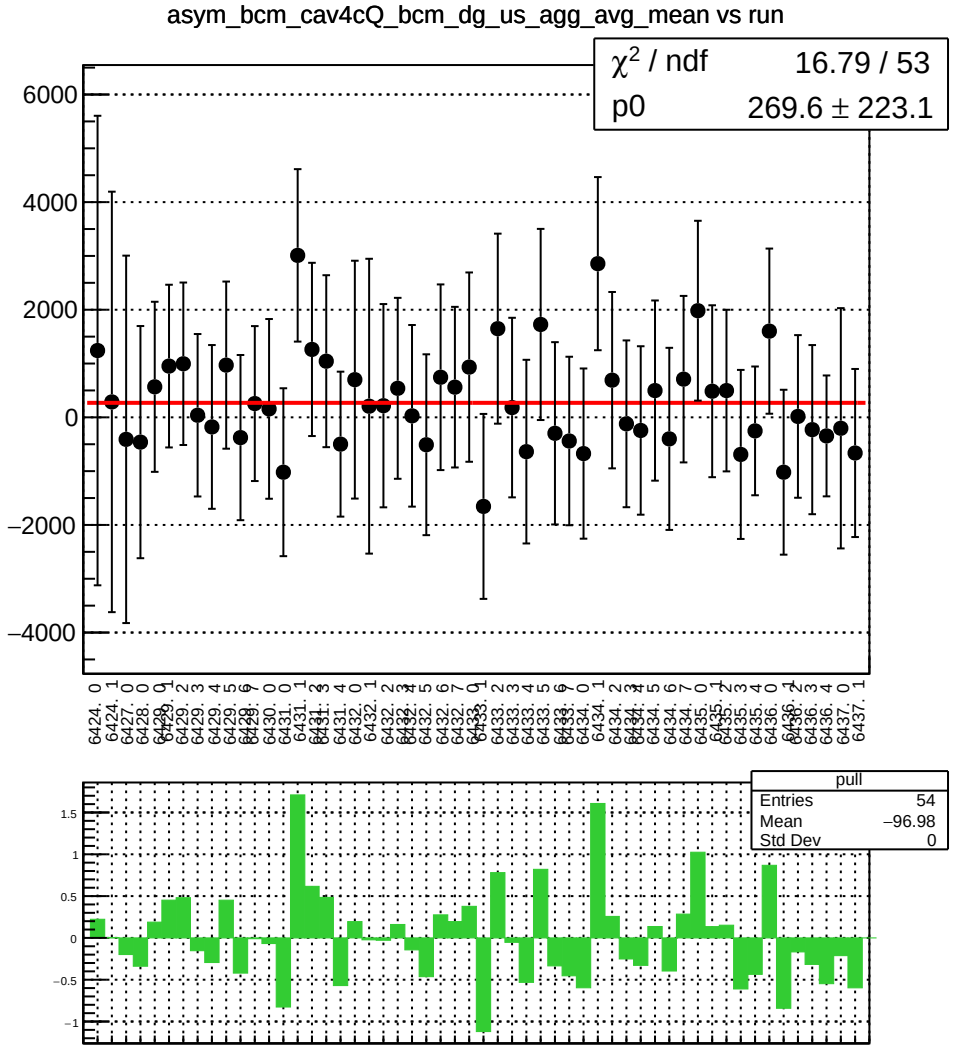

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 15.41 / 53
p0 308.5 ± 220
pull
Entries 54
Mean −106.4
Std Dev 0
pull1D
Entries 54
Mean 0.008725
Std Dev 0.5342

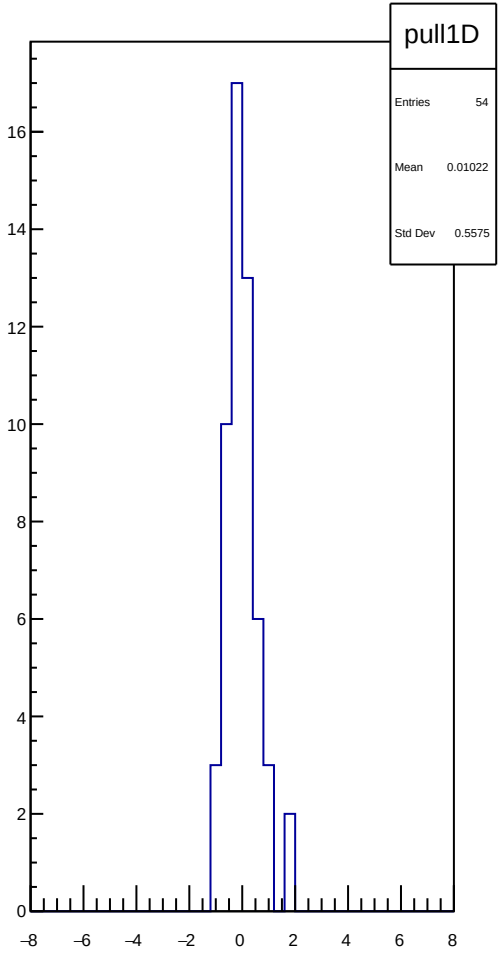

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.036e+04 / 53
p0 155 ± 0.1556
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

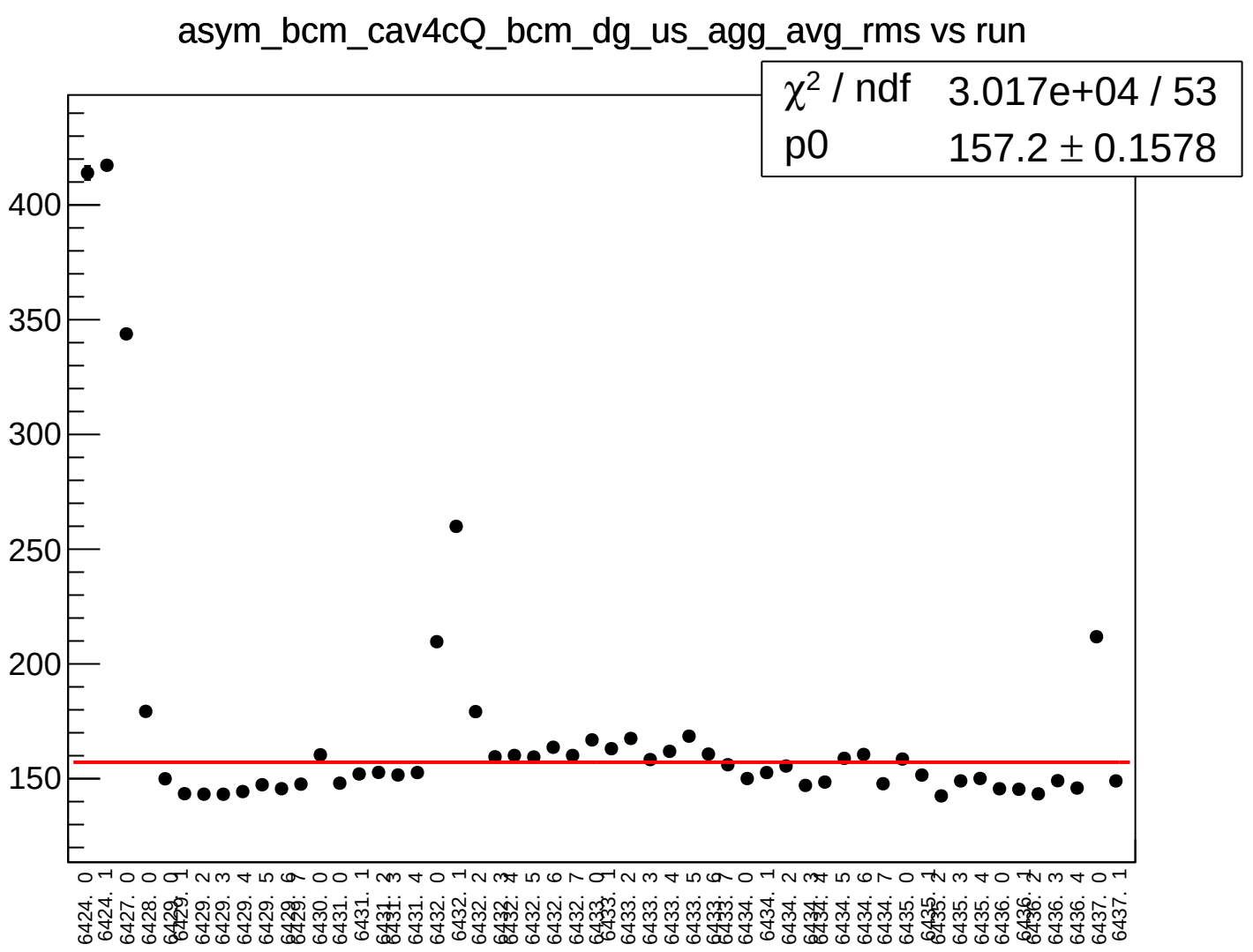

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 60.76 / 53
p0 −18.77 ± 36.95
pull
Entries 54
Mean 43.25
Std Dev 0

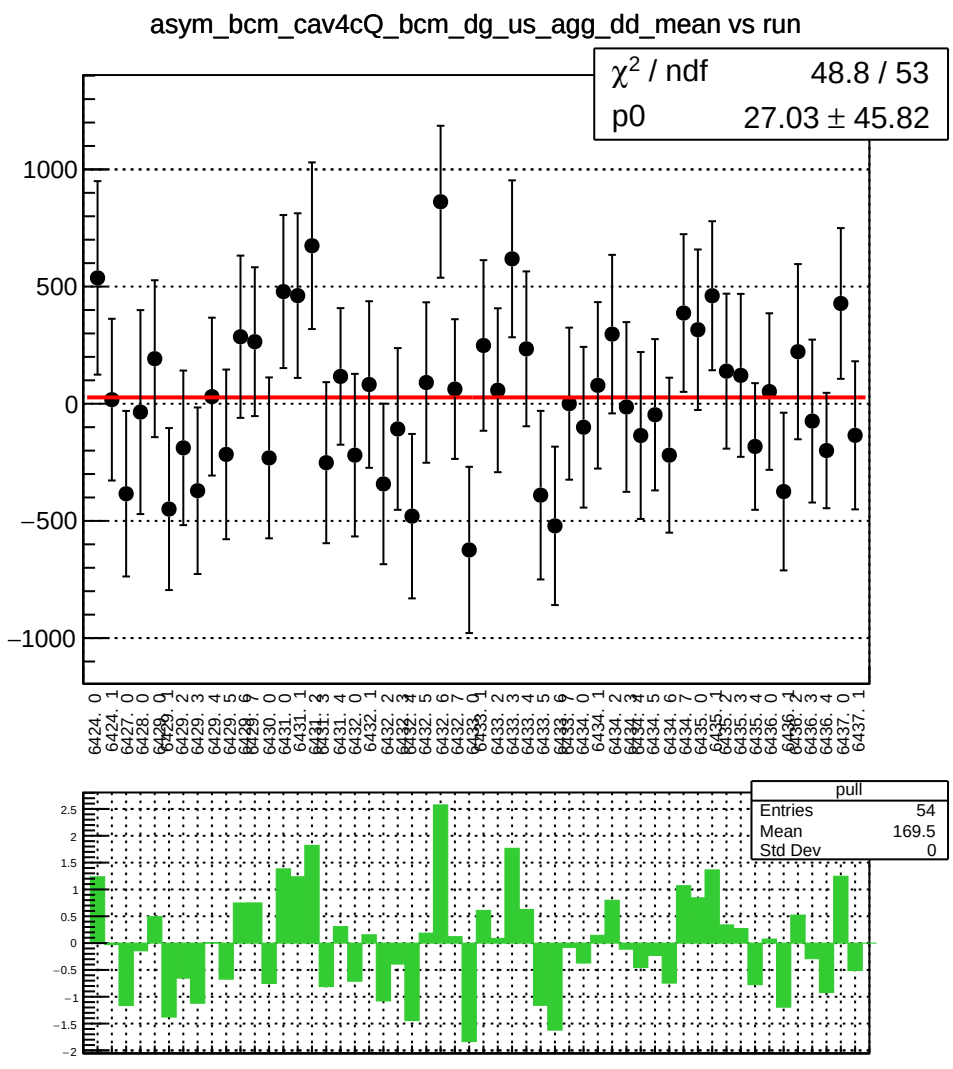

pull1D
Entries 54
Mean 0.01927
Std Dev 1.061

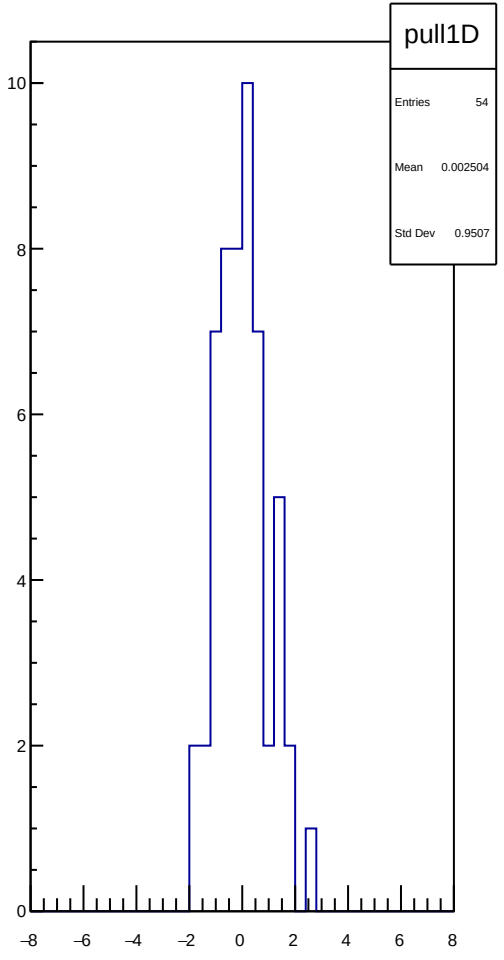

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3346 / 53
p0 26.38 ± 0.02613
32
31
30
29
28
27
26
25
24
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

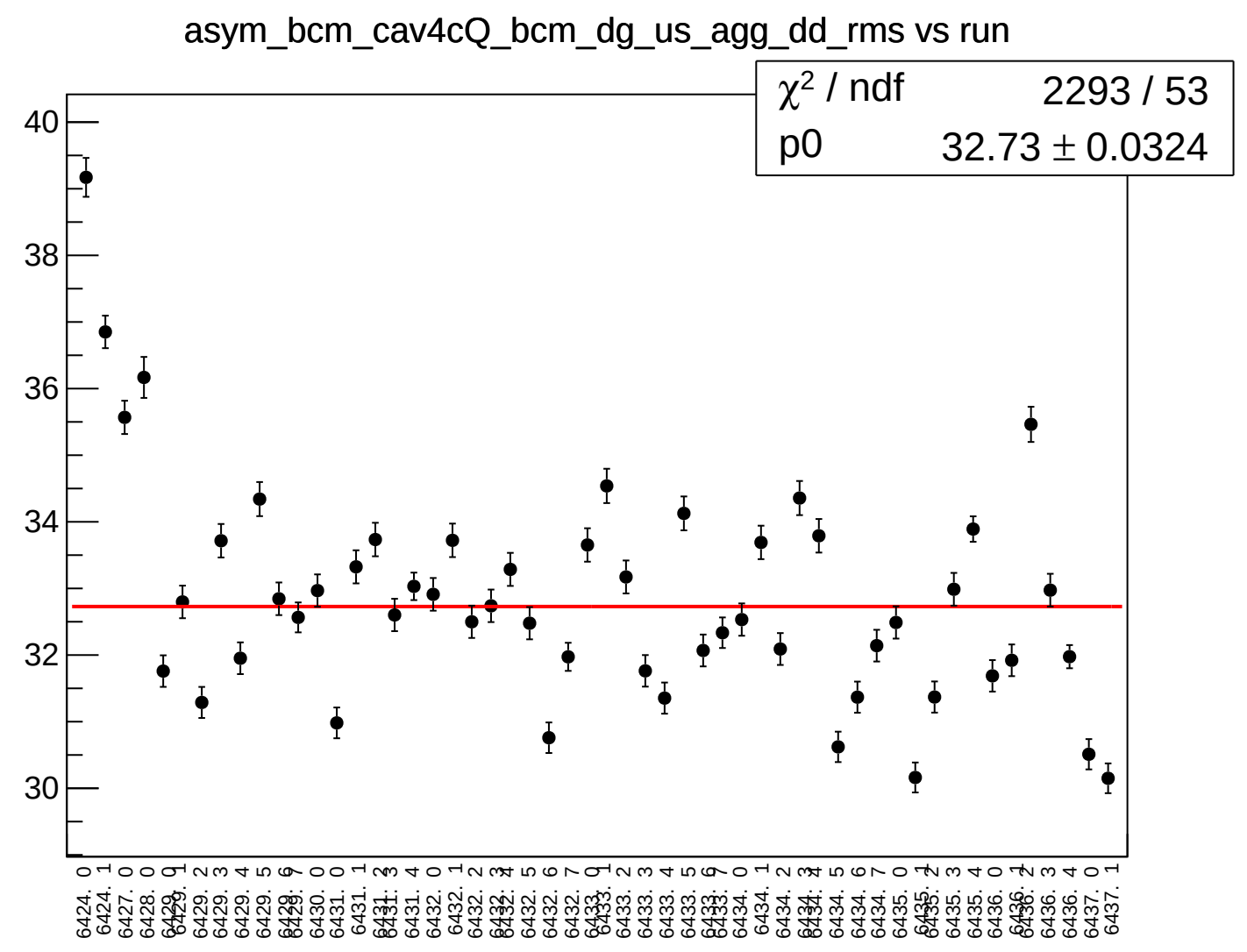

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 16.79 / 53
p0 269.6 ± 223.1
pull
Entries 54
Mean −96.98
Std Dev 0

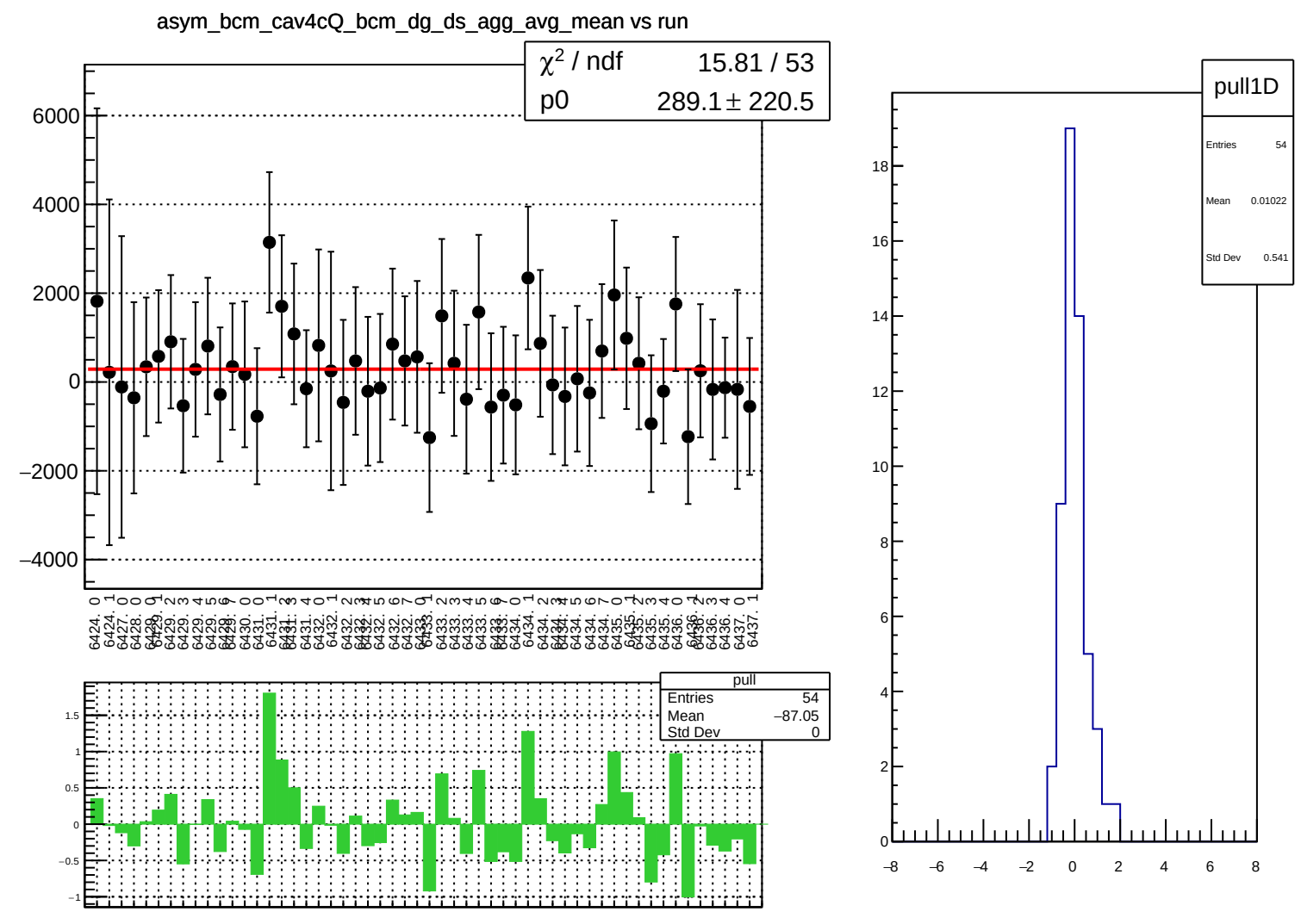

pull1D
Entries 54
Mean 0.01022
Std Dev 0.5575

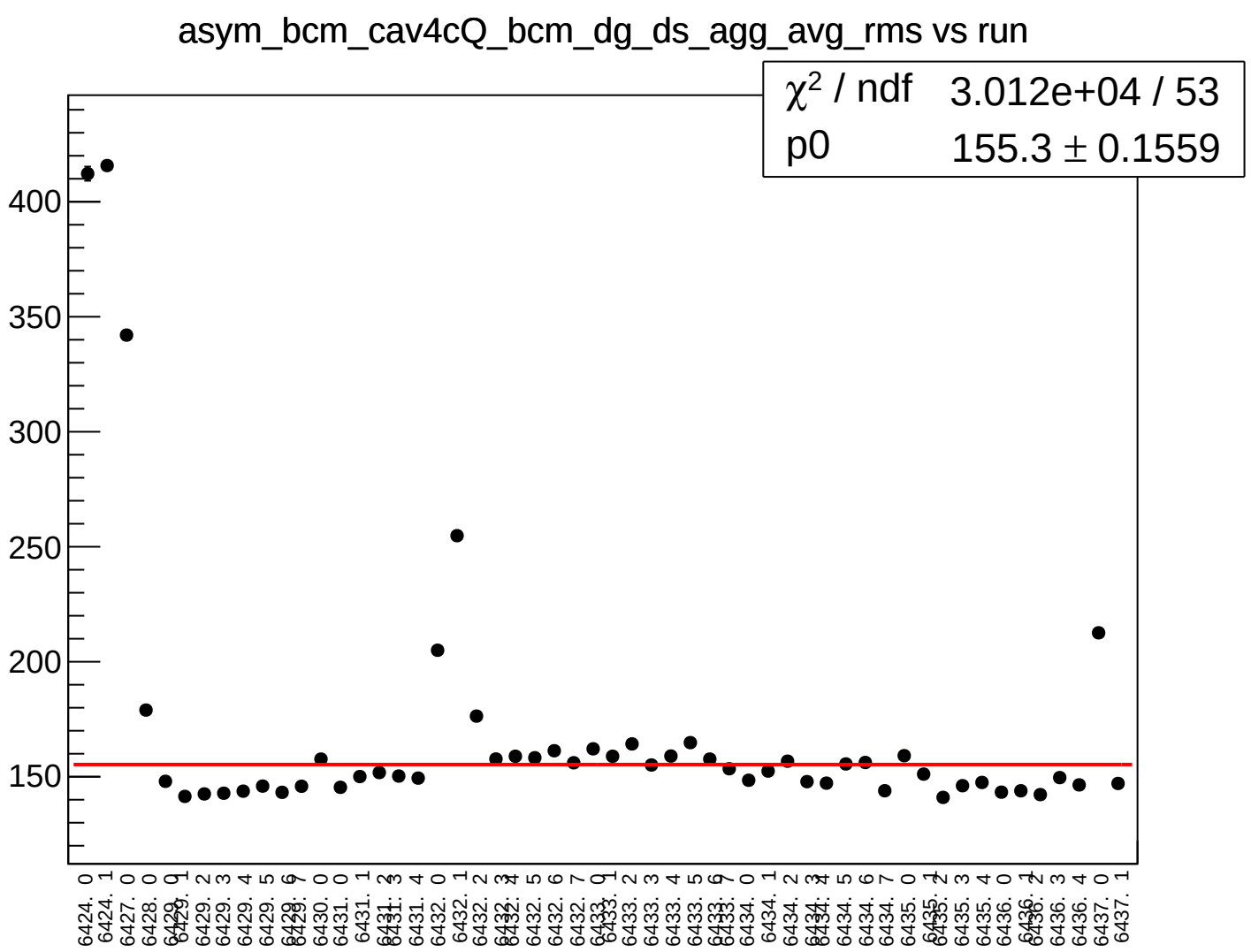

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.017e+04 / 53
p0 157.2 ± 0.1578
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

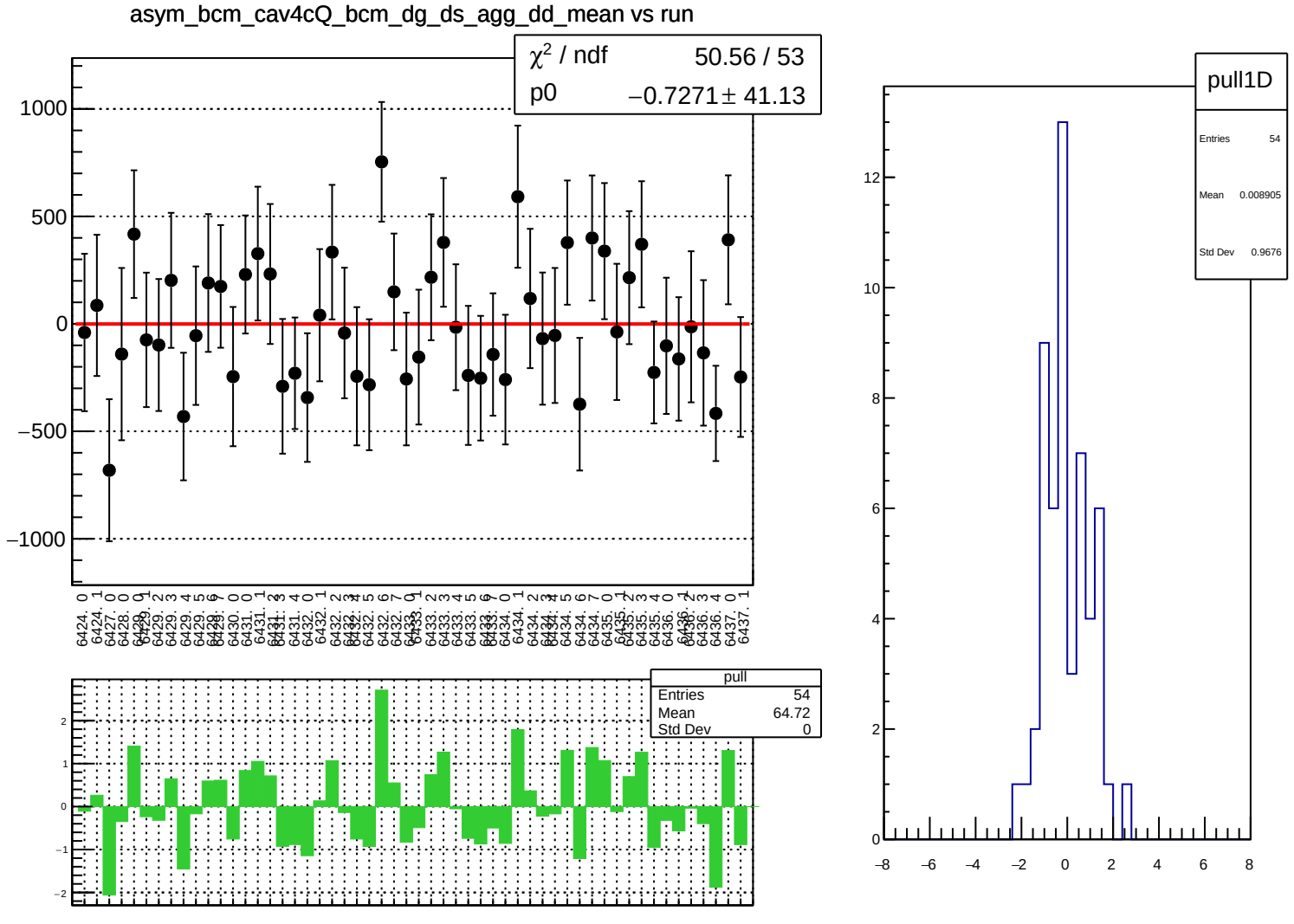

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 48.8 / 53
p0 27.03 ± 45.82
1000
500
0
−500
−1000
pull
Entries 54
Mean 169.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

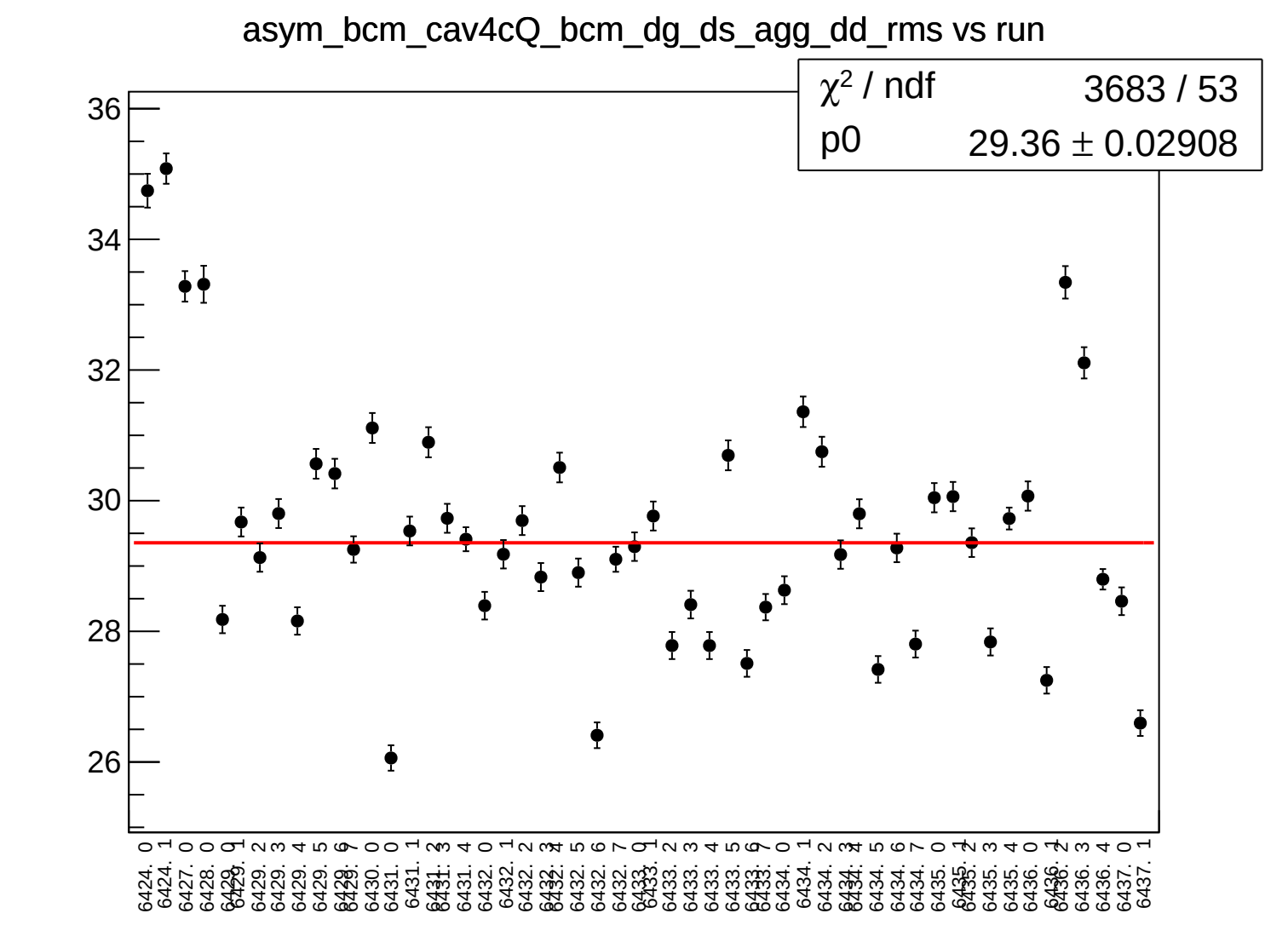

pull1D
Entries 54
Mean 0.002504
Std Dev 0.9507
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

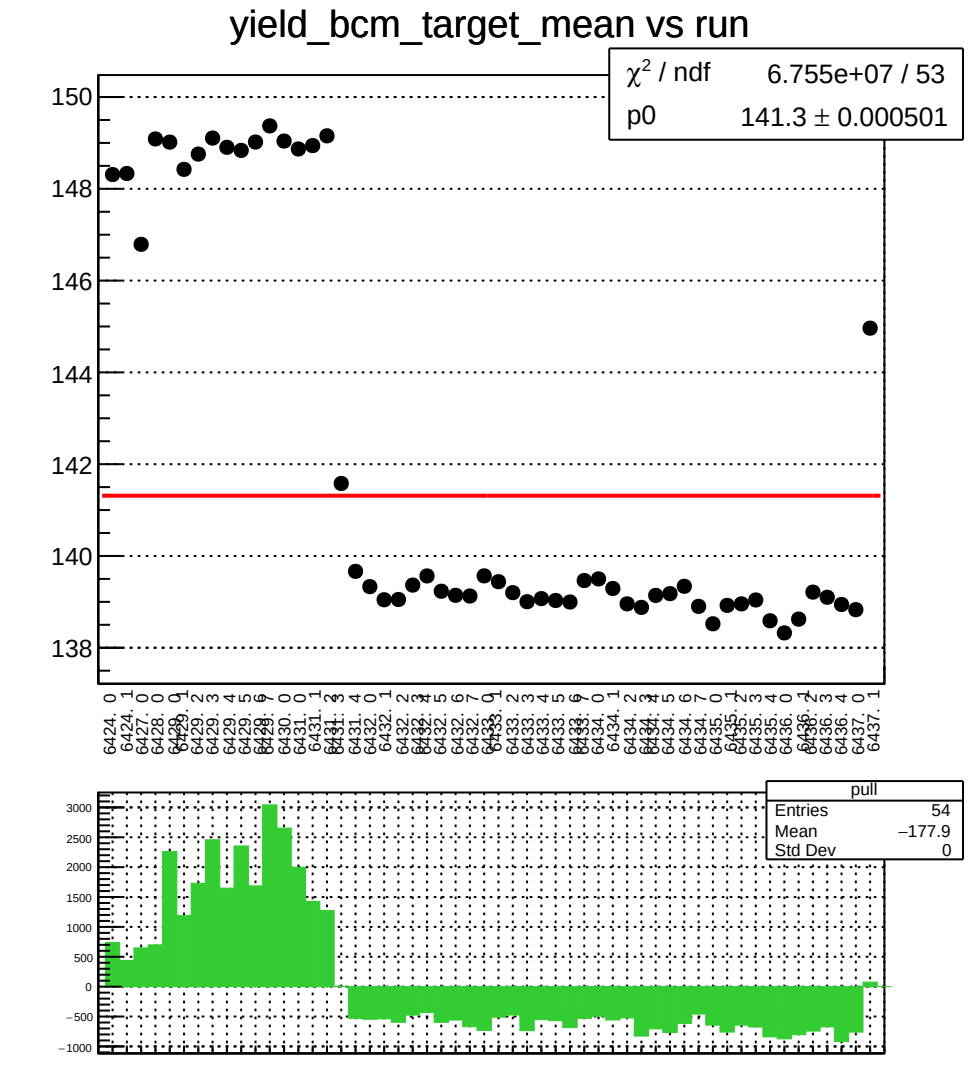

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2293 / 53
p0 32.73 ± 0.0324
40
38
36
34
32
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

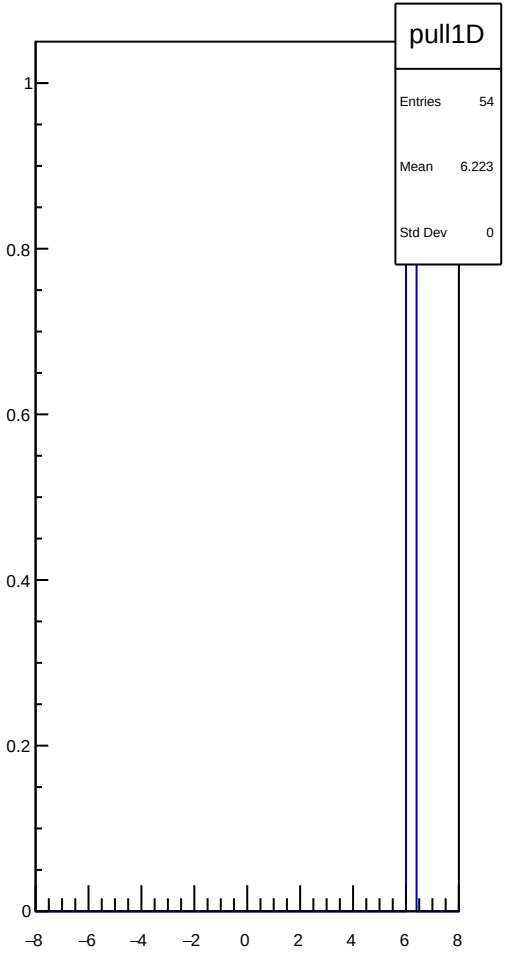

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 15.81 / 53
p0 289.1 ± 220.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −87.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.01022
Std Dev 0.541
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

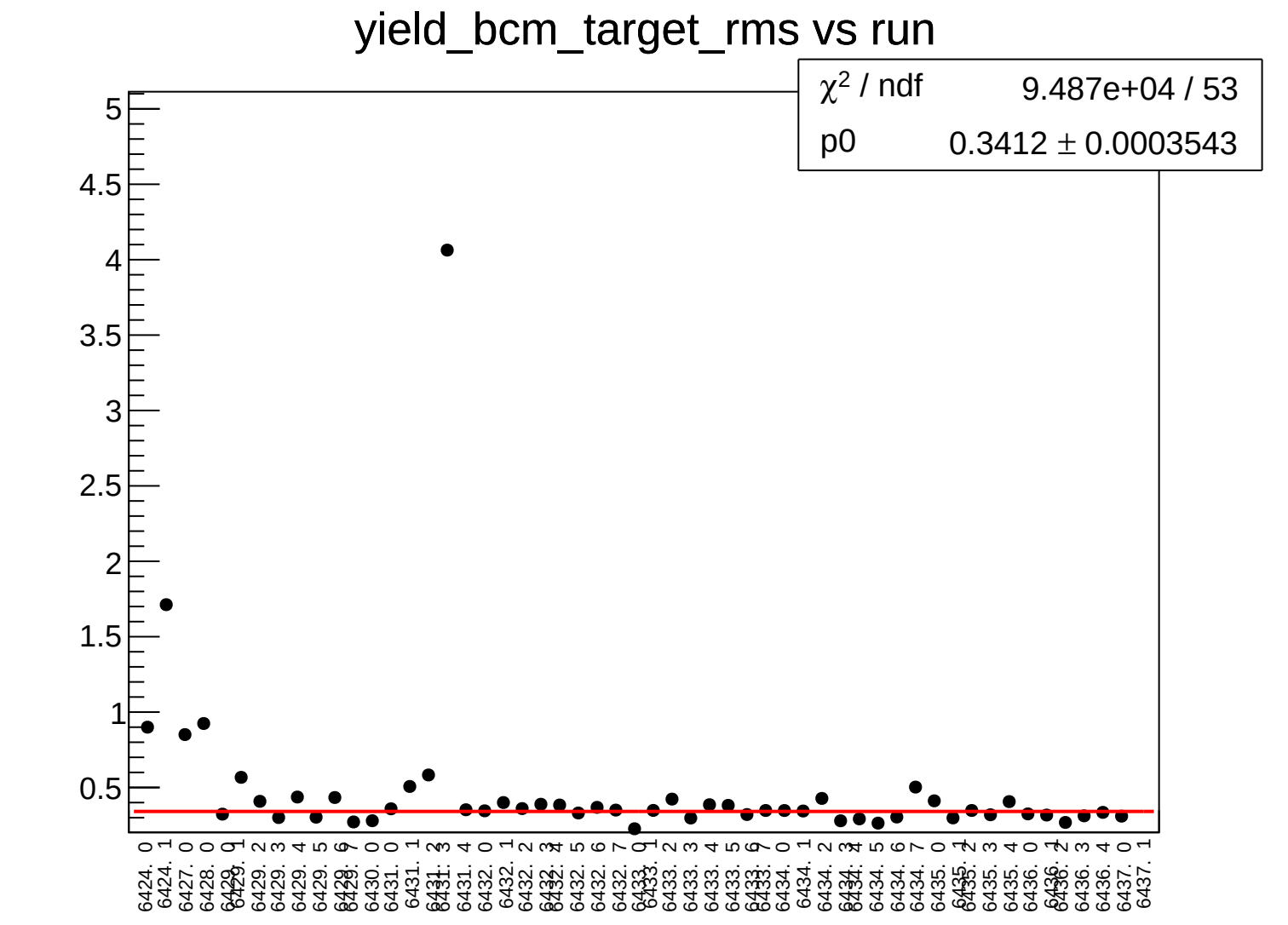

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.012e+04 / 53
p0 155.3 ± 0.1559
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

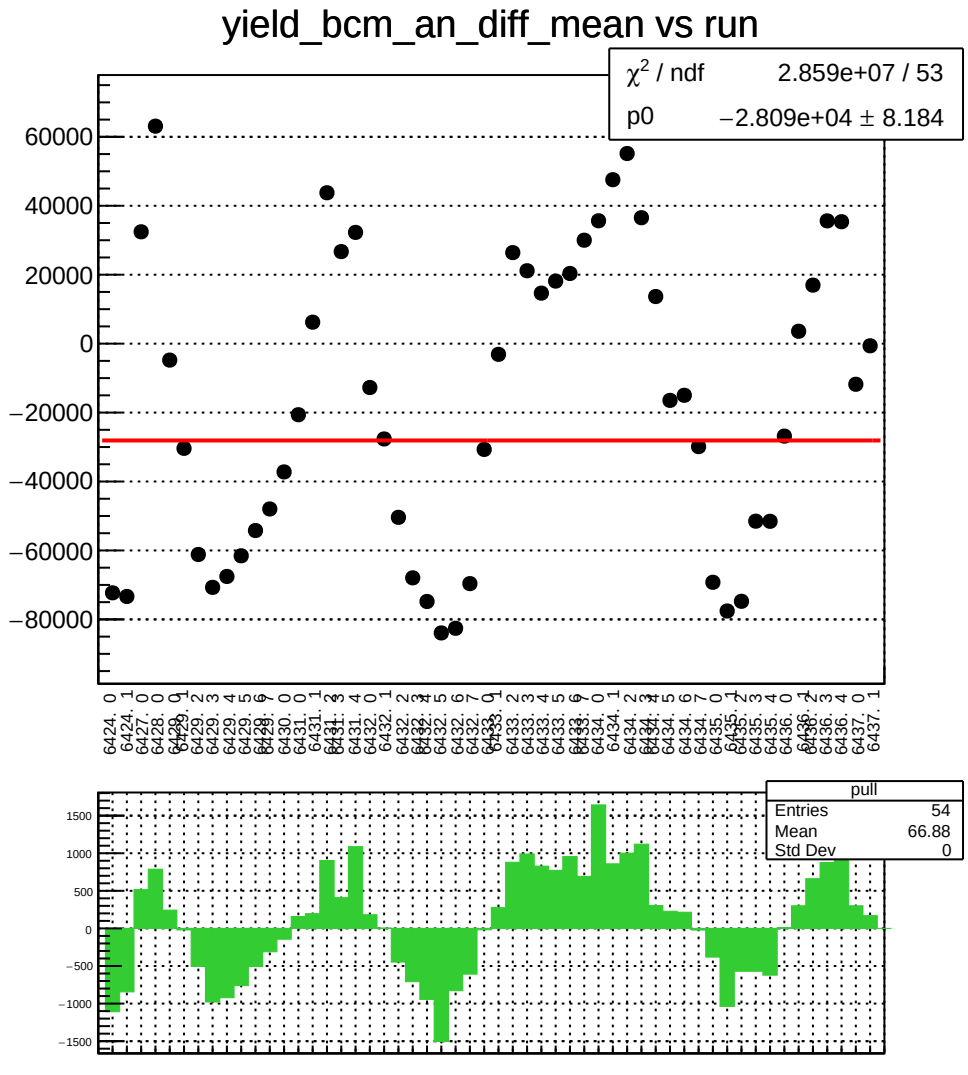

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.56 / 53
p0 −0.7271 ± 41.13
1000
500
0
−500
−1000
pull
Entries 54
Mean 64.72
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.008905
Std Dev 0.9676
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

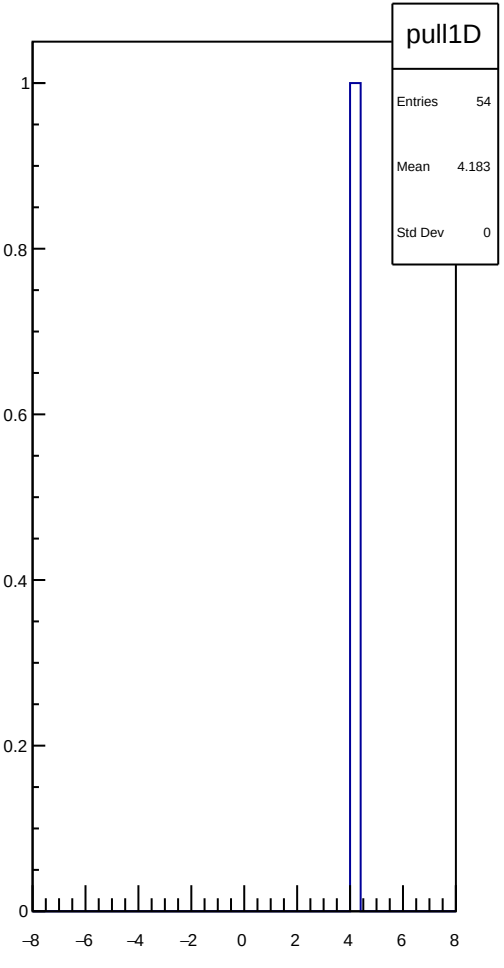

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3683 / 53
p0 29.36 ± 0.02908
36
34
32
30
28
26
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

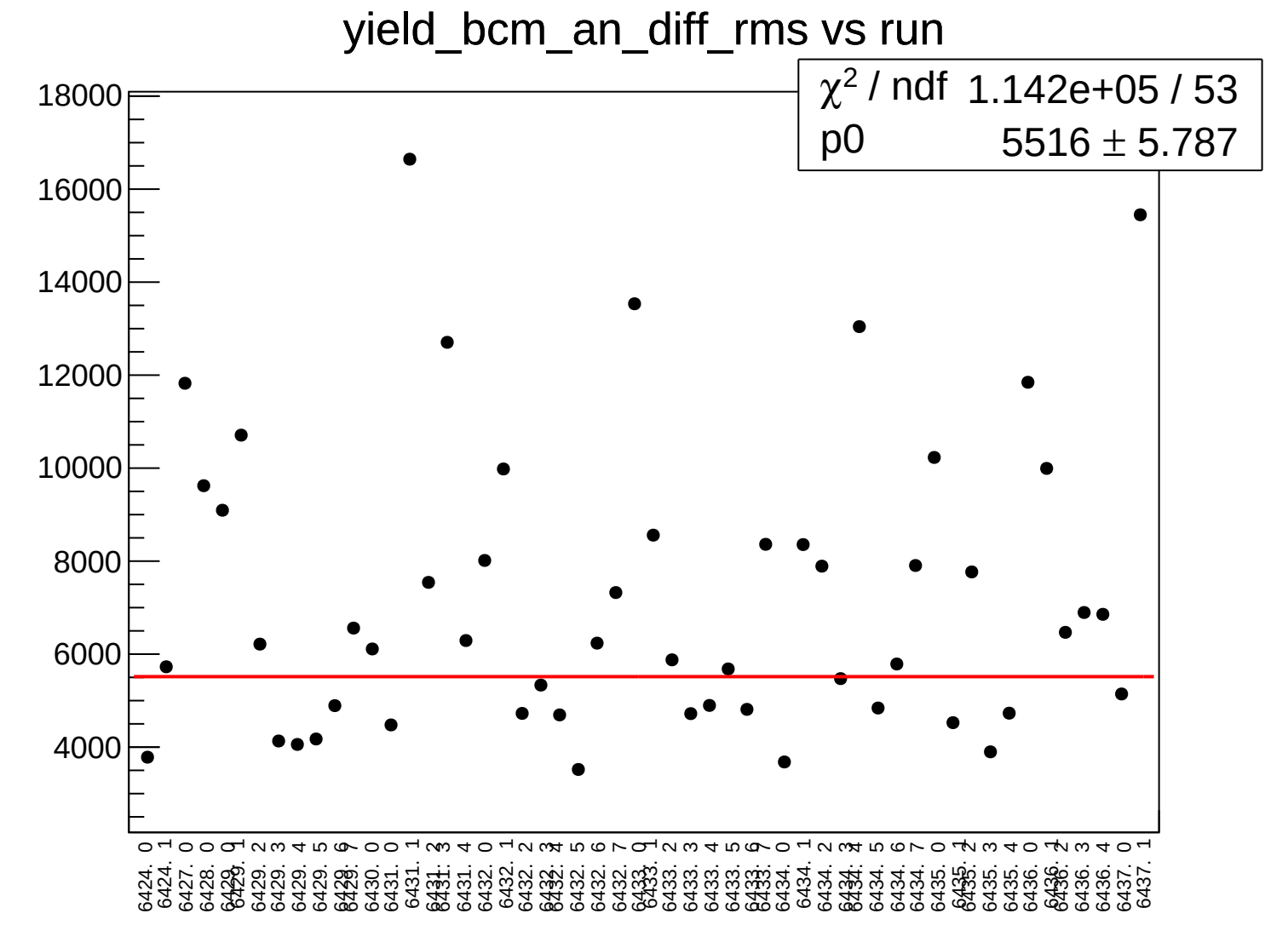

yield_bcm_target_mean vs run
χ² / ndf 6.755e+07 / 53
p0 141.3 ± 0.000501
150
148
146
144
142
140
138
pull
Entries 54
Mean −177.9
Std Dev 0
3000
2500
2000
1500
1000
500
0
−500
−1000

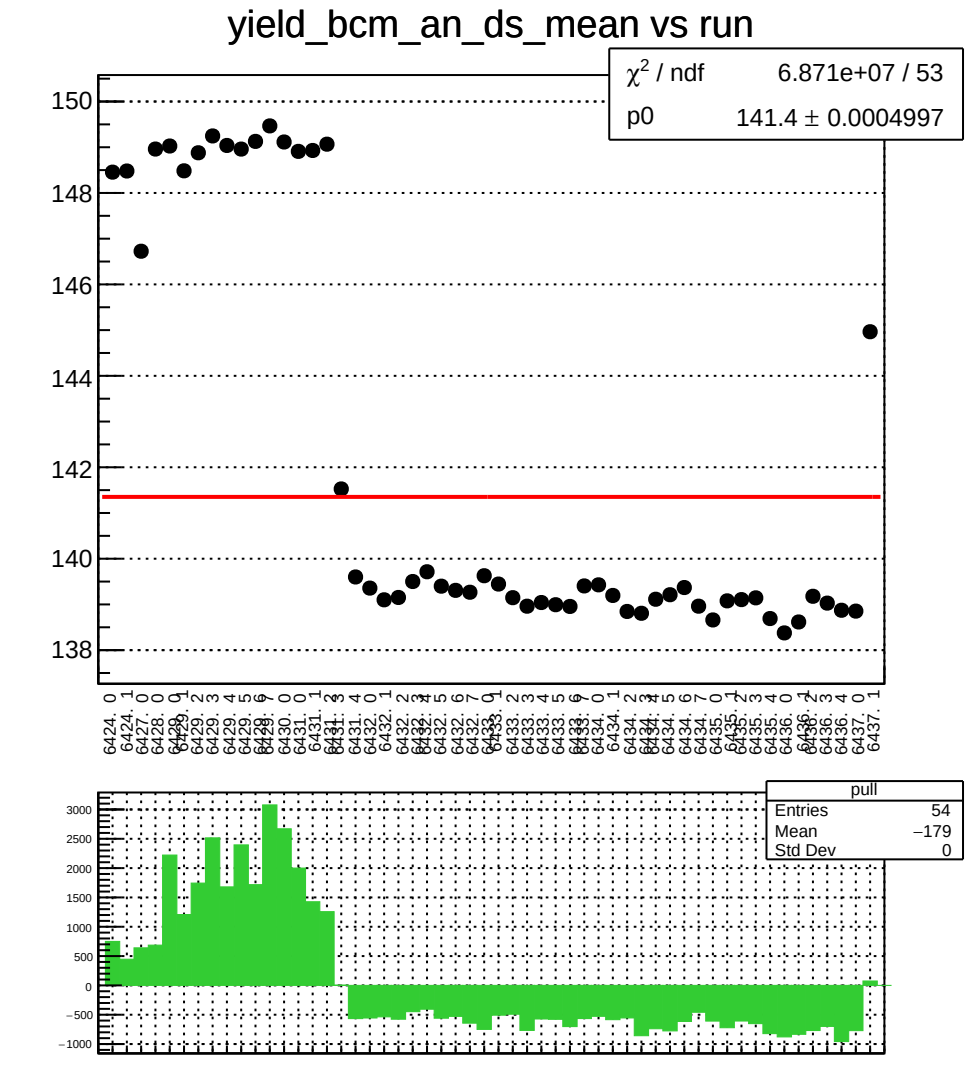

pull1D
Entries 54
Mean 6.223
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

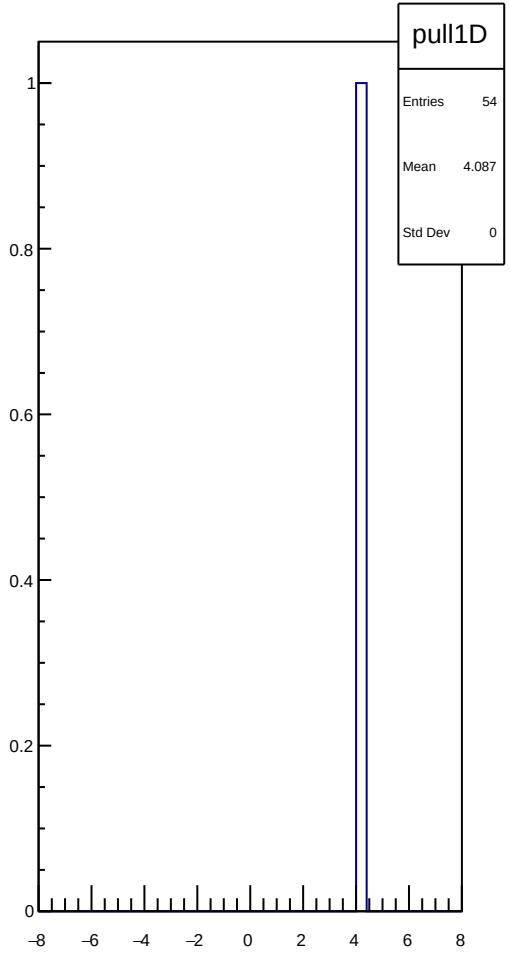

yield_bcm_target_rms vs run
χ² / ndf 9.487e+04 / 53
p0 0.3412 ± 0.0003543
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

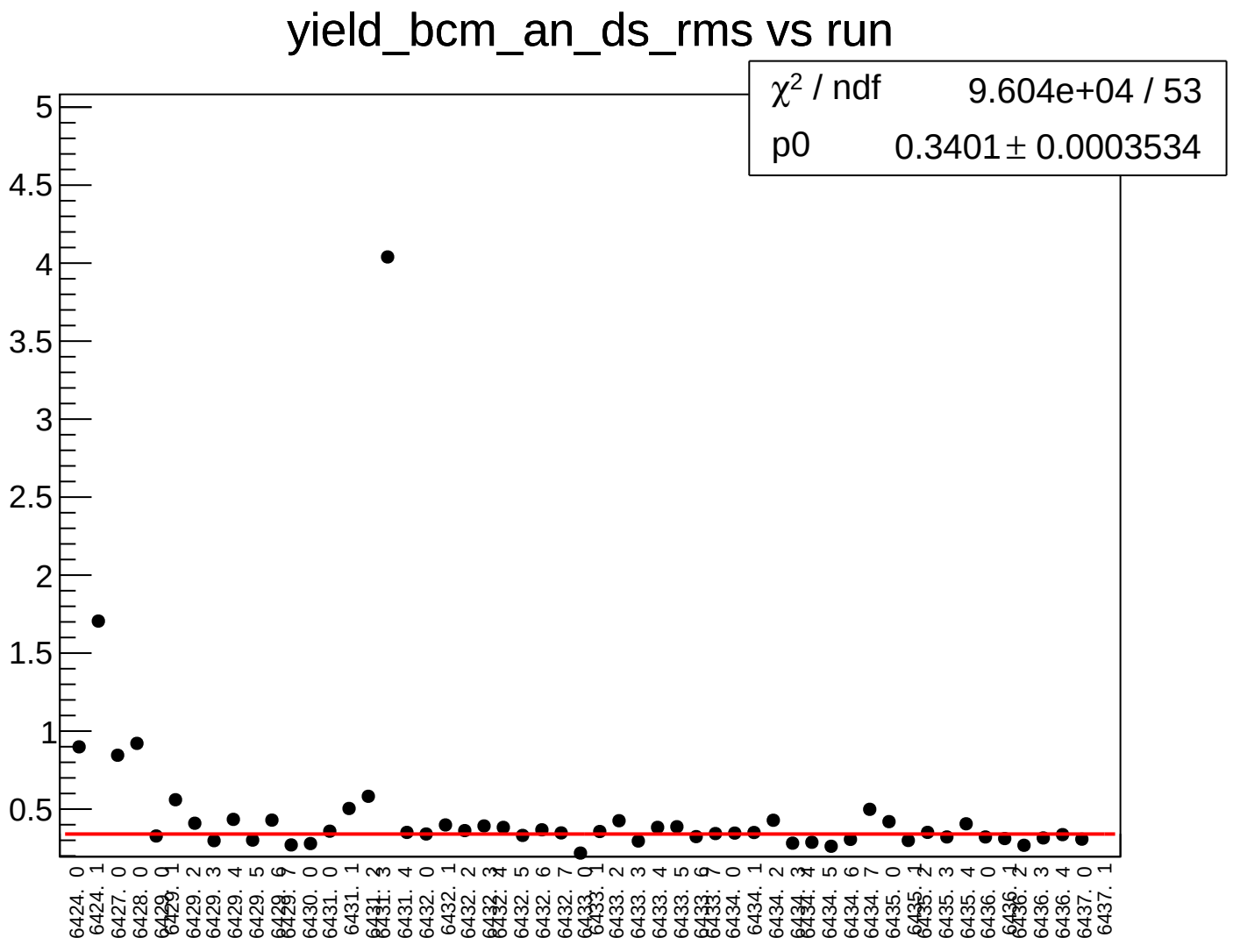

yield_bcm_an_diff_mean vs run
χ² / ndf 2.859e+07 / 53
p0 −2.809e+04 ± 8.184
pull
Entries 54
Mean 66.88
Std Dev 0

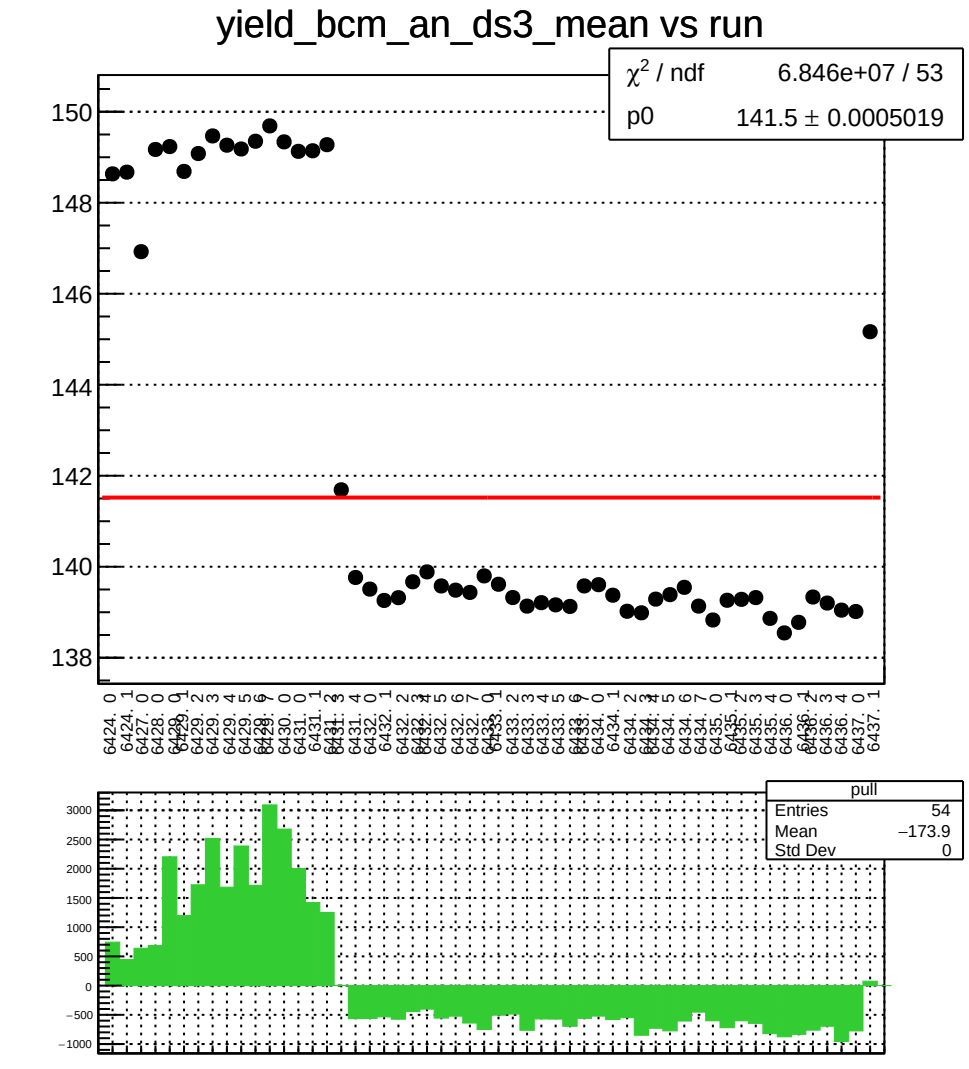

pull1D
Entries 54
Mean 4.183
Std Dev 0

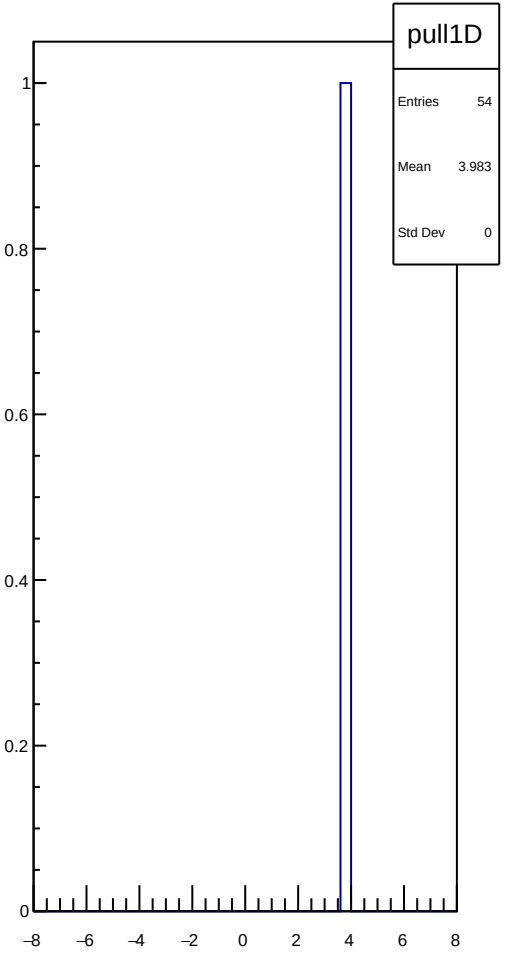

yield_bcm_an_diff_rms vs run
χ² / ndf 1.142e+05 / 53
p0 5516 ± 5.787
18000
16000
14000
12000
10000
8000
6000
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

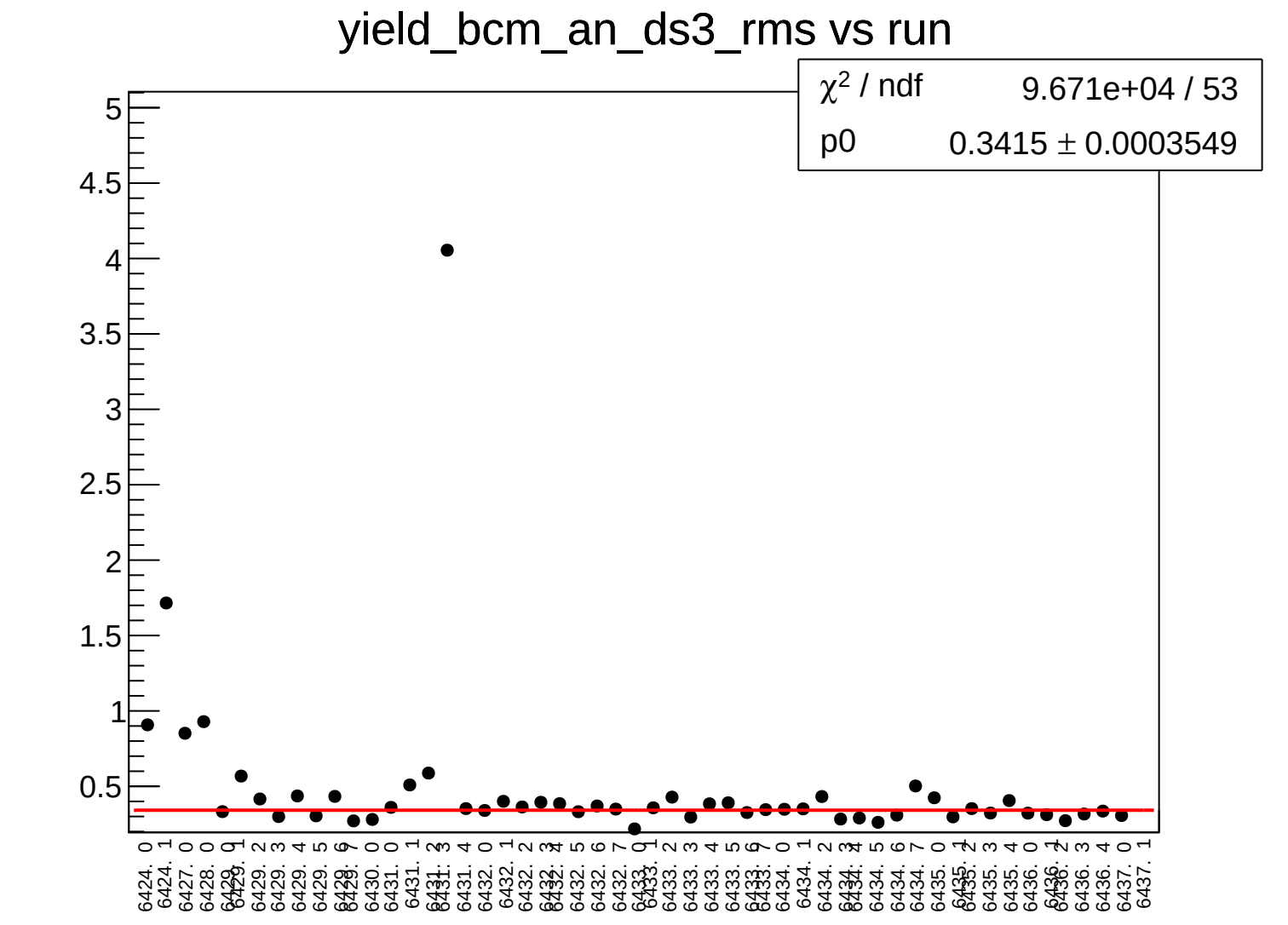

yield_bcm_an_ds_mean vs run
χ² / ndf 6.871e+07 / 53
p0 141.4 ± 0.0004997
150
148
146
144
142
140
138
pull
Entries 54
Mean −179
Std Dev 0
3000
2500
2000
1500
1000
500
0
−500
−1000

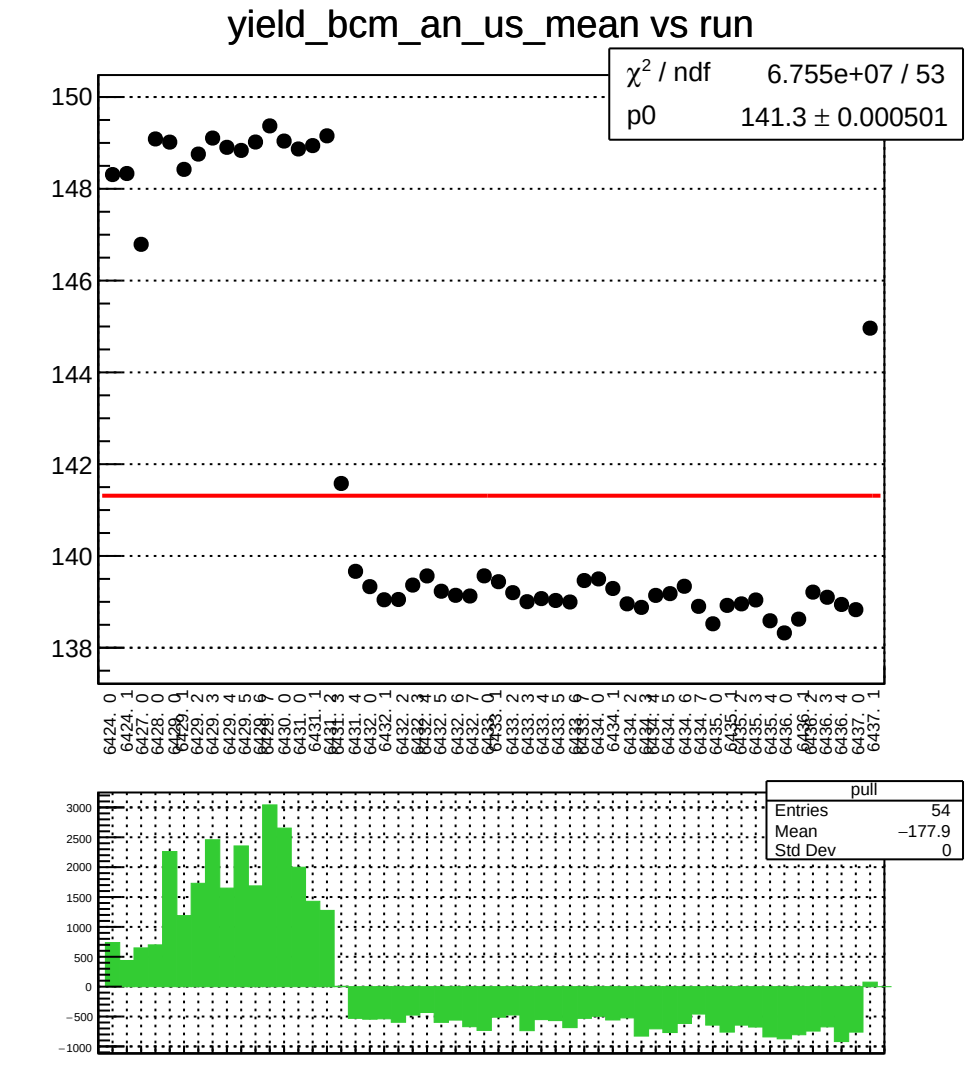

pull1D
Entries 54
Mean 4.087
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

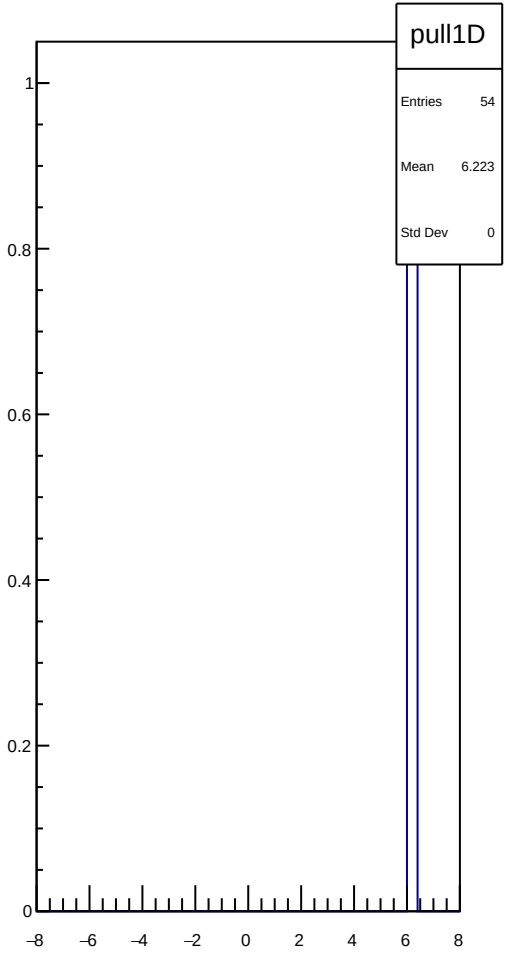

yield_bcm_an_ds_rms vs run
χ^2 / ndf 9.604e+04 / 53
p0 0.3401 ± 0.0003534
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

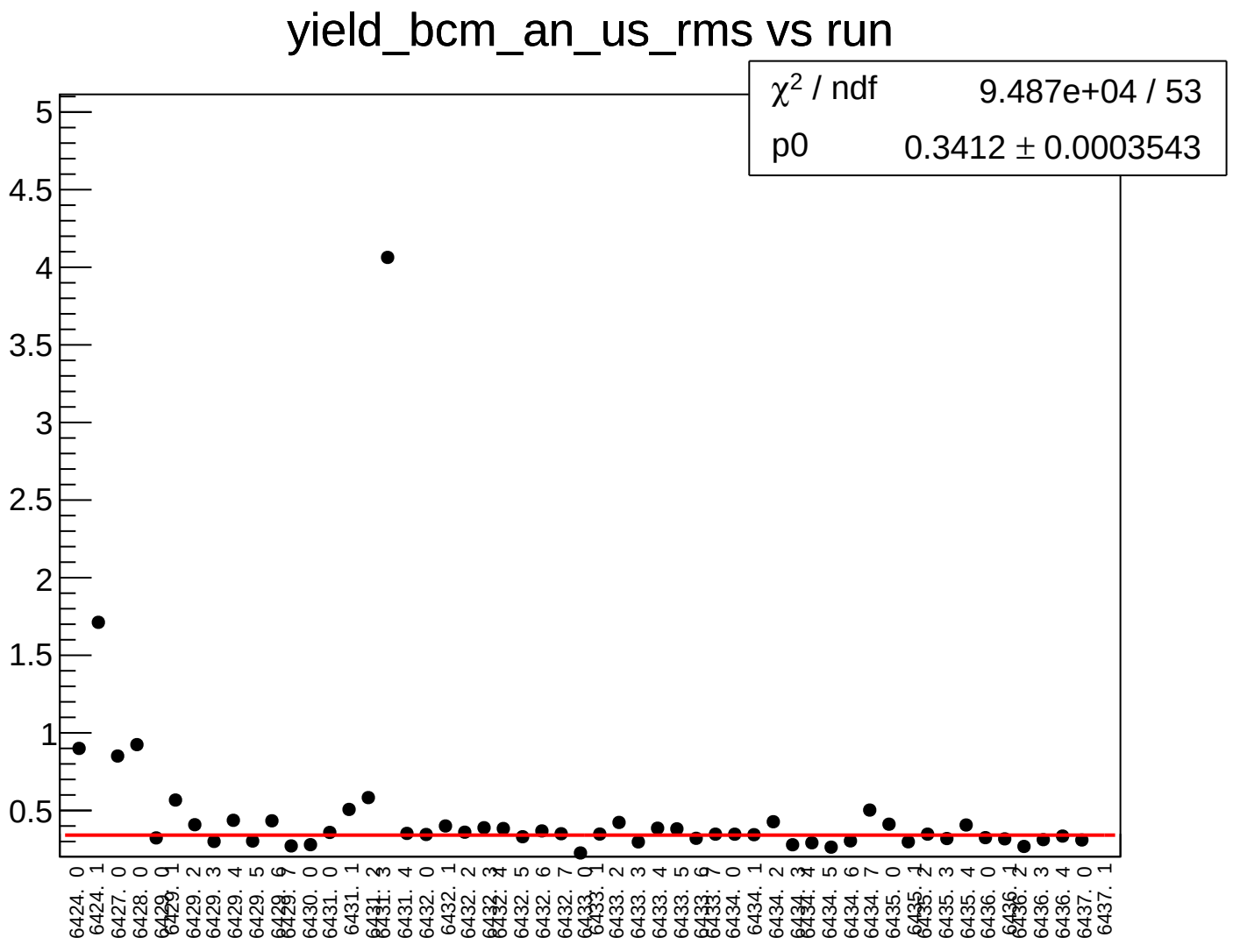

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.846e+07 / 53
p0 141.5 ± 0.0005019
150
148
146
144
142
140
138
pull
Entries 54
Mean −173.9
Std Dev 0
3000
2500
2000
1500
1000
500
0
−500
−1000

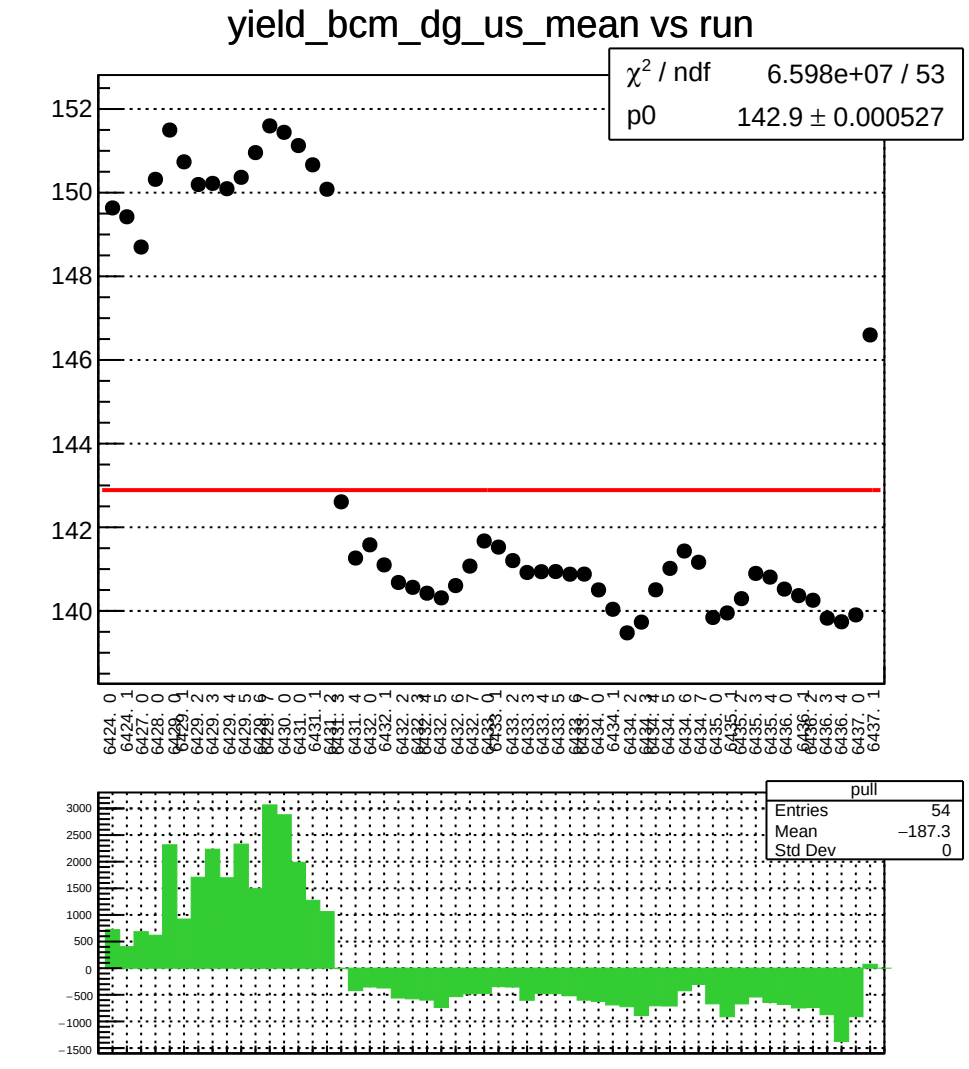

pull1D
Entries 54
Mean 3.983
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

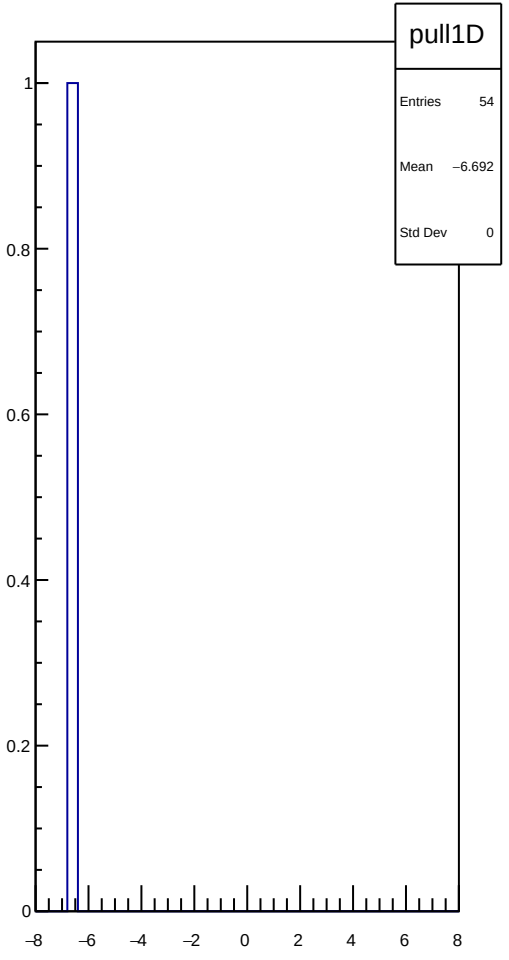

yield_bcm_an_ds3_rms vs run
χ² / ndf 9.671e+04 / 53
p0 0.3415 ± 0.0003549
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

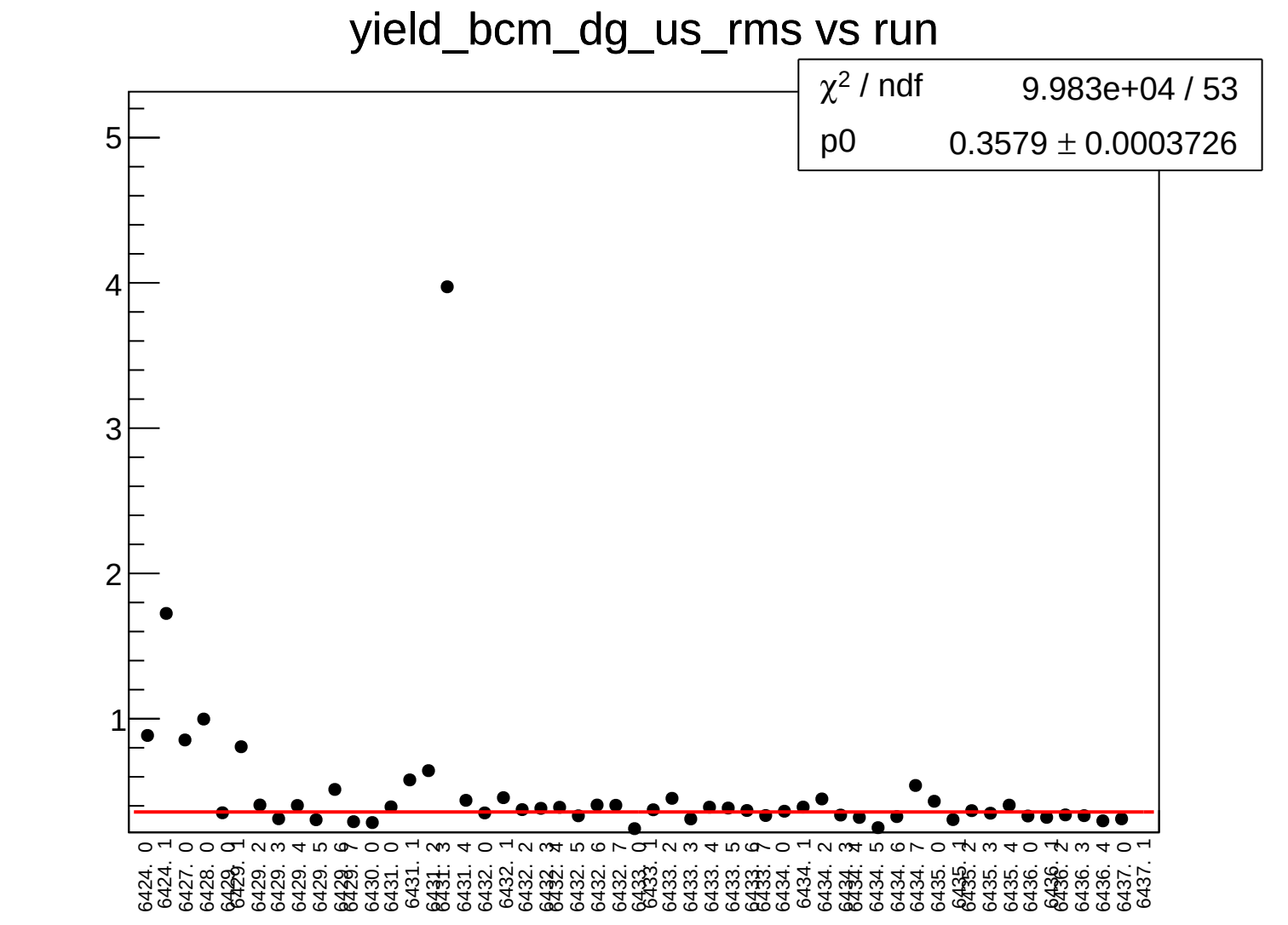

yield_bcm_an_us_mean vs run
χ² / ndf 6.755e+07 / 53
p0 141.3 ± 0.000501
150
148
146
144
142
140
138
pull
Entries 54
Mean −177.9
Std Dev 0
3000
2500
2000
1500
1000
500
0
−500
−1000

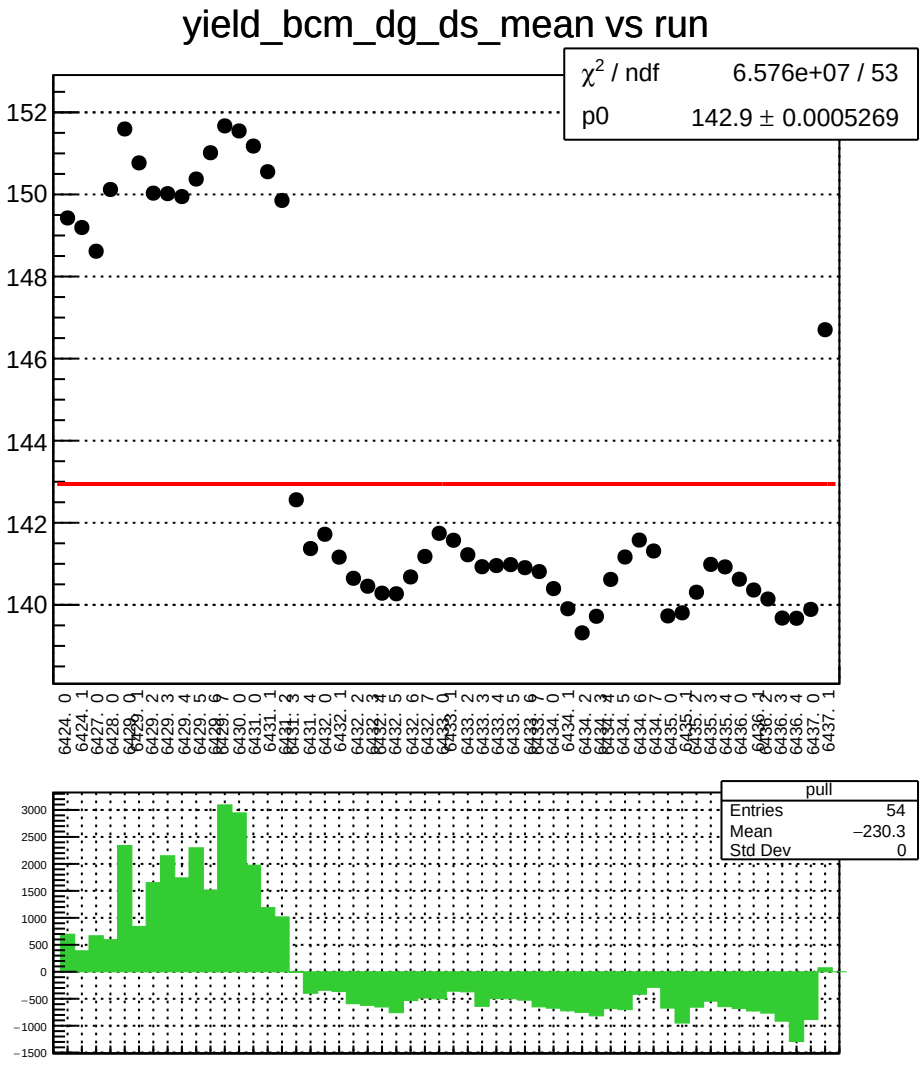

pull1D
Entries 54
Mean 6.223
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

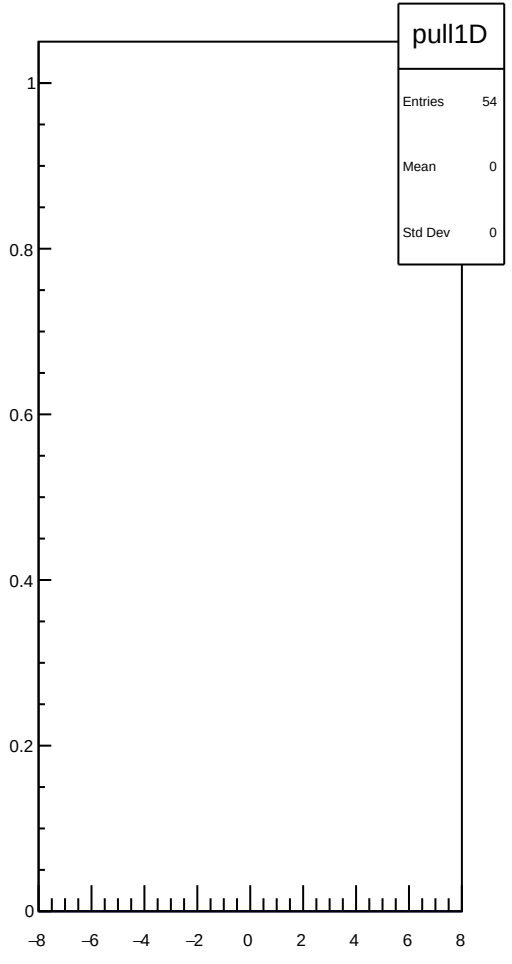

yield_bcm_an_us_rms vs run
χ² / ndf 9.487e+04 / 53
p0 0.3412 ± 0.0003543
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

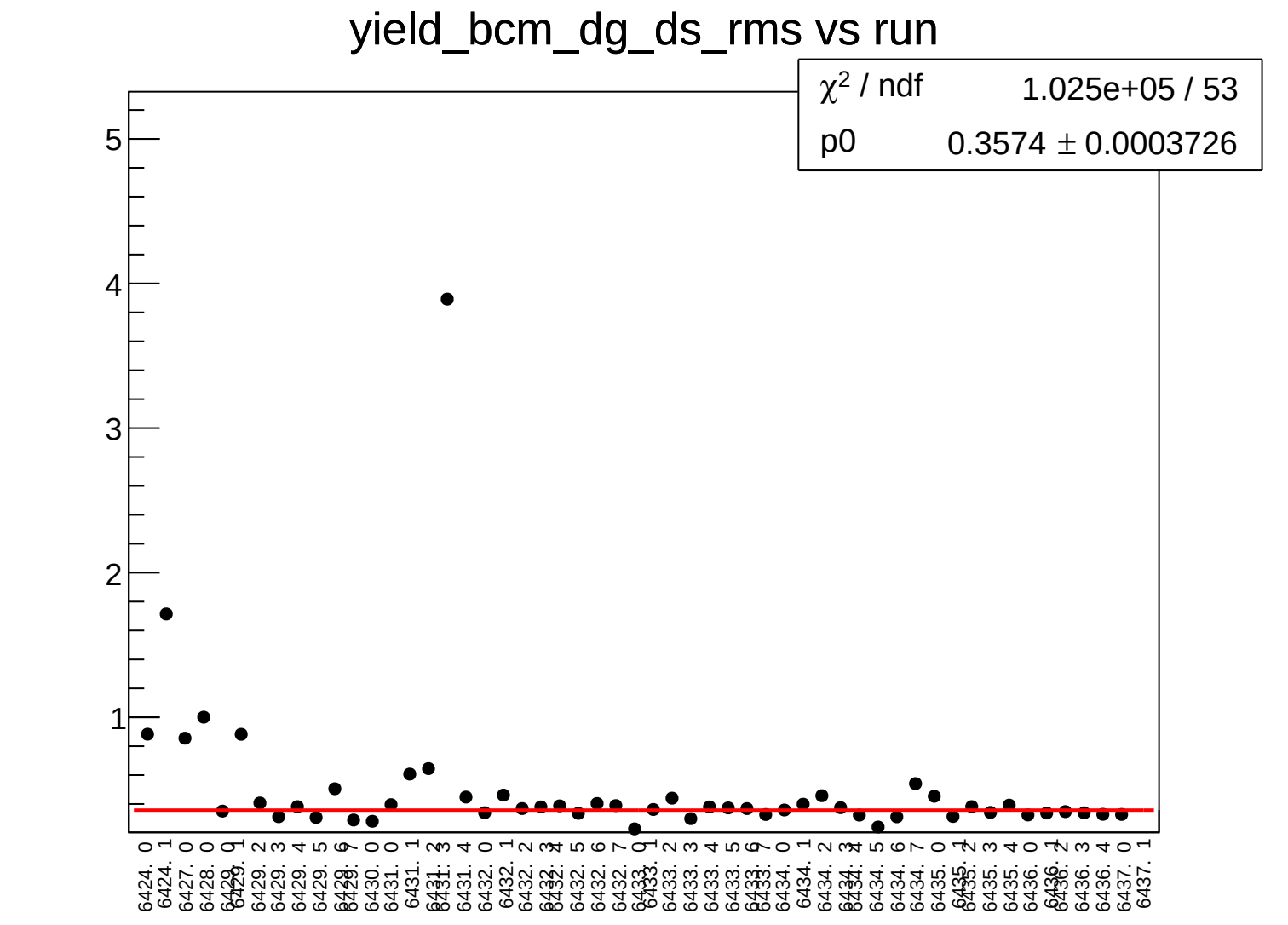

yield_bcm_dg_us_mean vs run
χ² / ndf 6.598e+07 / 53
p0 142.9 ± 0.000527
pull
Entries 54
Mean −187.3
Std Dev 0

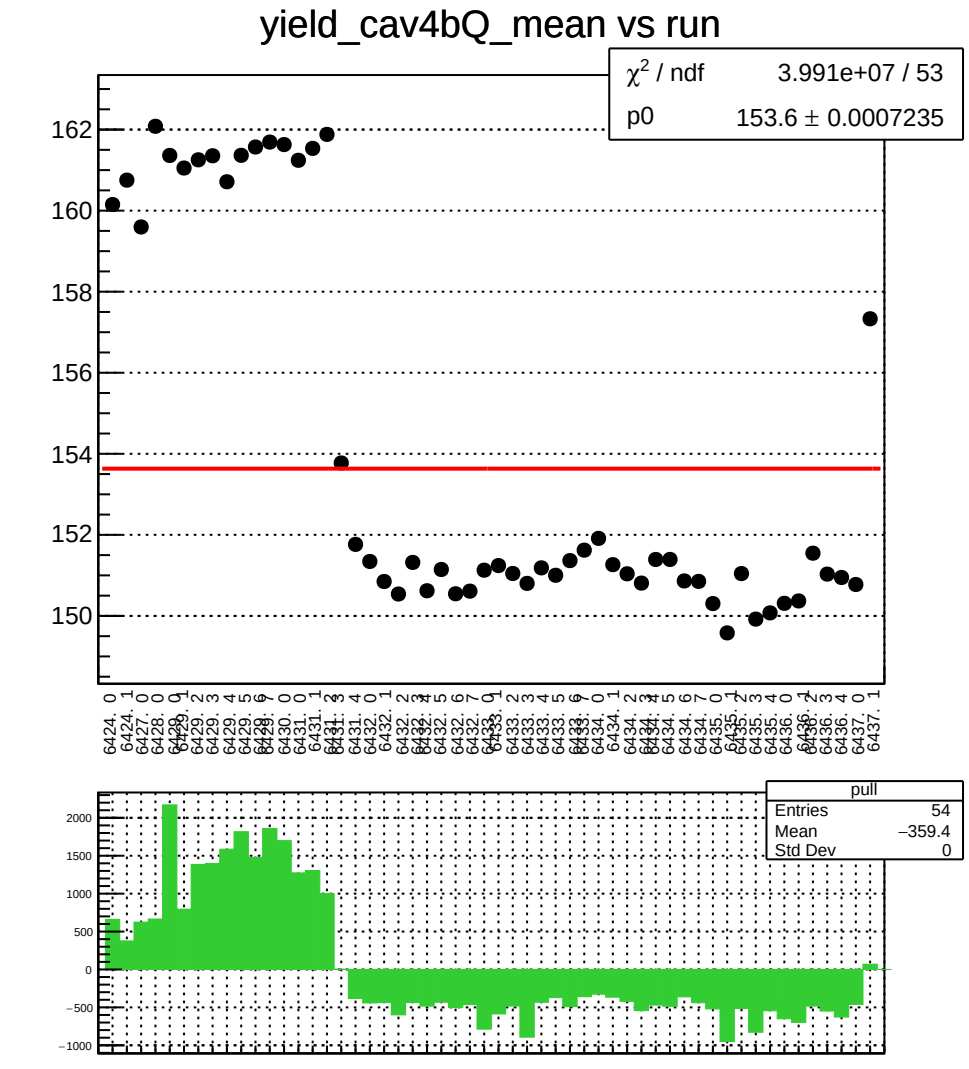

pull1D
Entries 54
Mean −6.692
Std Dev 0

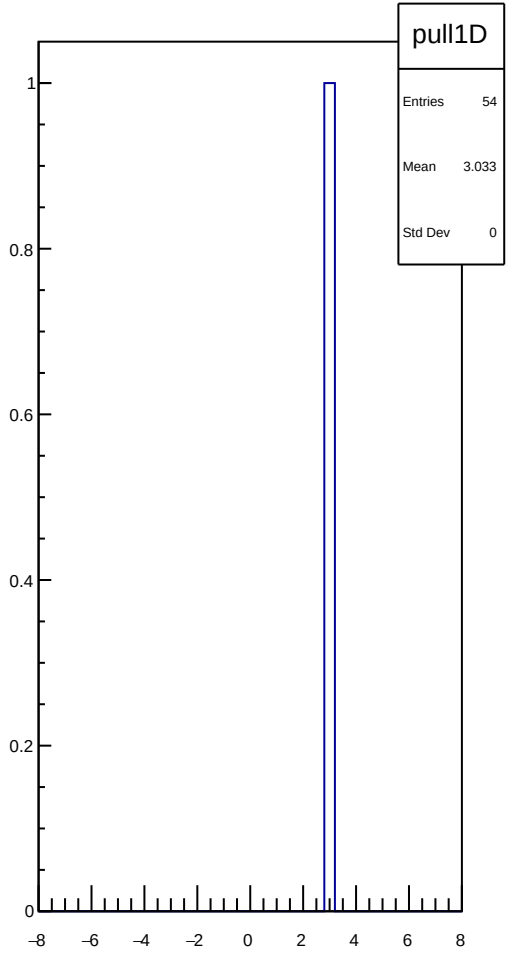

yield_bcm_dg_us_rms vs run
χ² / ndf 9.983e+04 / 53
p0 0.3579 ± 0.0003726
5
4
3
2
1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

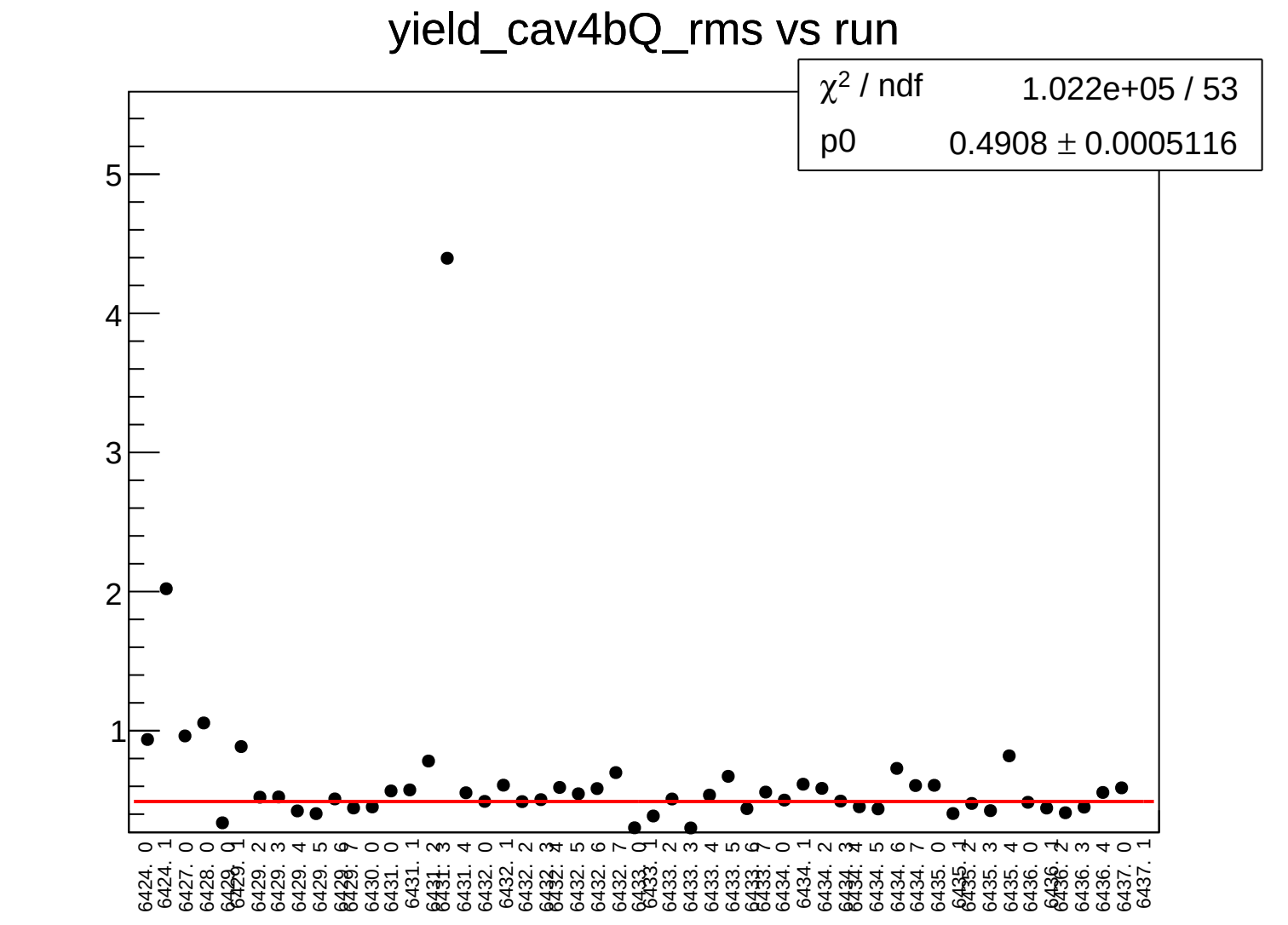

yield_bcm_dg_ds_mean vs run
χ² / ndf 6.576e+07 / 53
p0 142.9 ± 0.0005269
pull
Entries 54
Mean −230.3
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


yield_bcm_dg_ds_rms vs run
χ² / ndf 1.025e+05 / 53
p0 0.3574 ± 0.0003726
5
4
3
2
1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


yield_cav4bQ_mean vs run
χ² / ndf 3.991e+07 / 53
p0 153.6 ± 0.0007235
pull
Entries 54
Mean −359.4
Std Dev 0


pull1D
Entries 54
Mean 3.033
Std Dev 0


yield_cav4bQ_rms vs run
χ² / ndf 1.022e+05 / 53
p0 0.4908 ± 0.0005116
5
4
3
2
1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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6433. 2
6433. 3
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6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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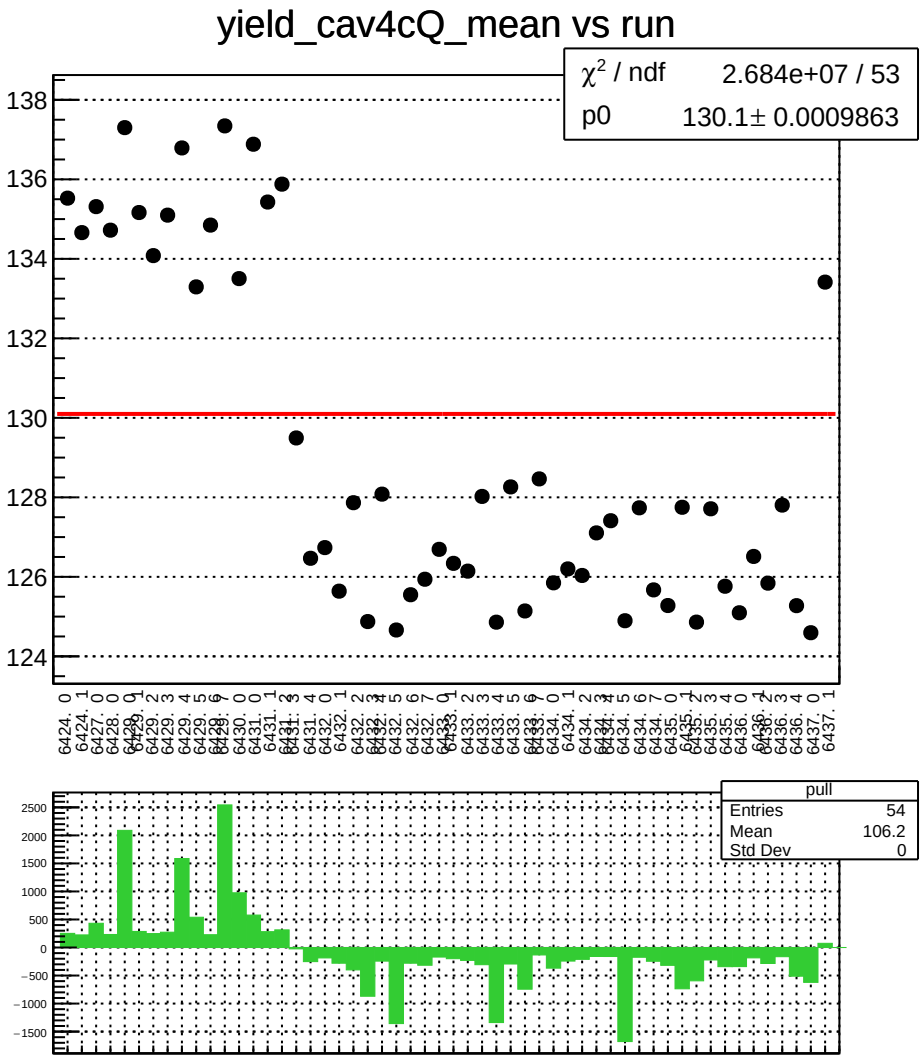
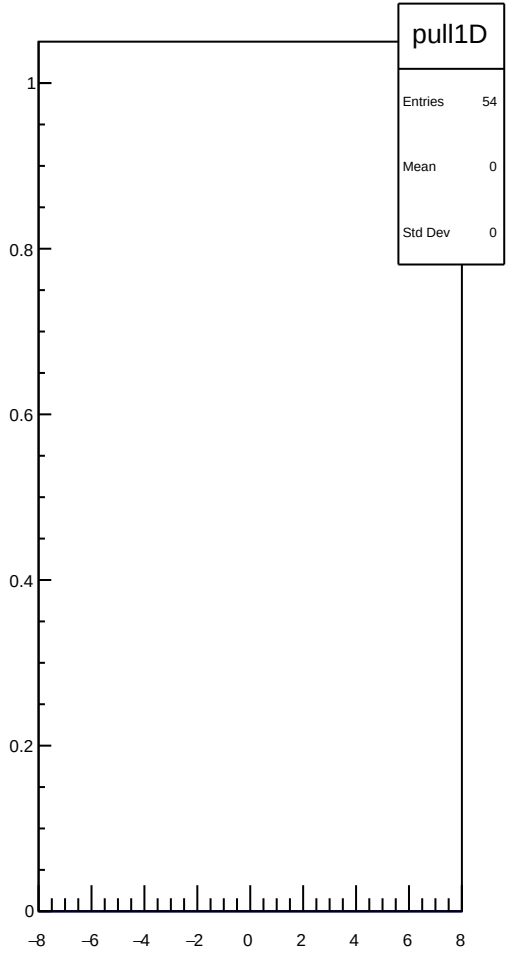
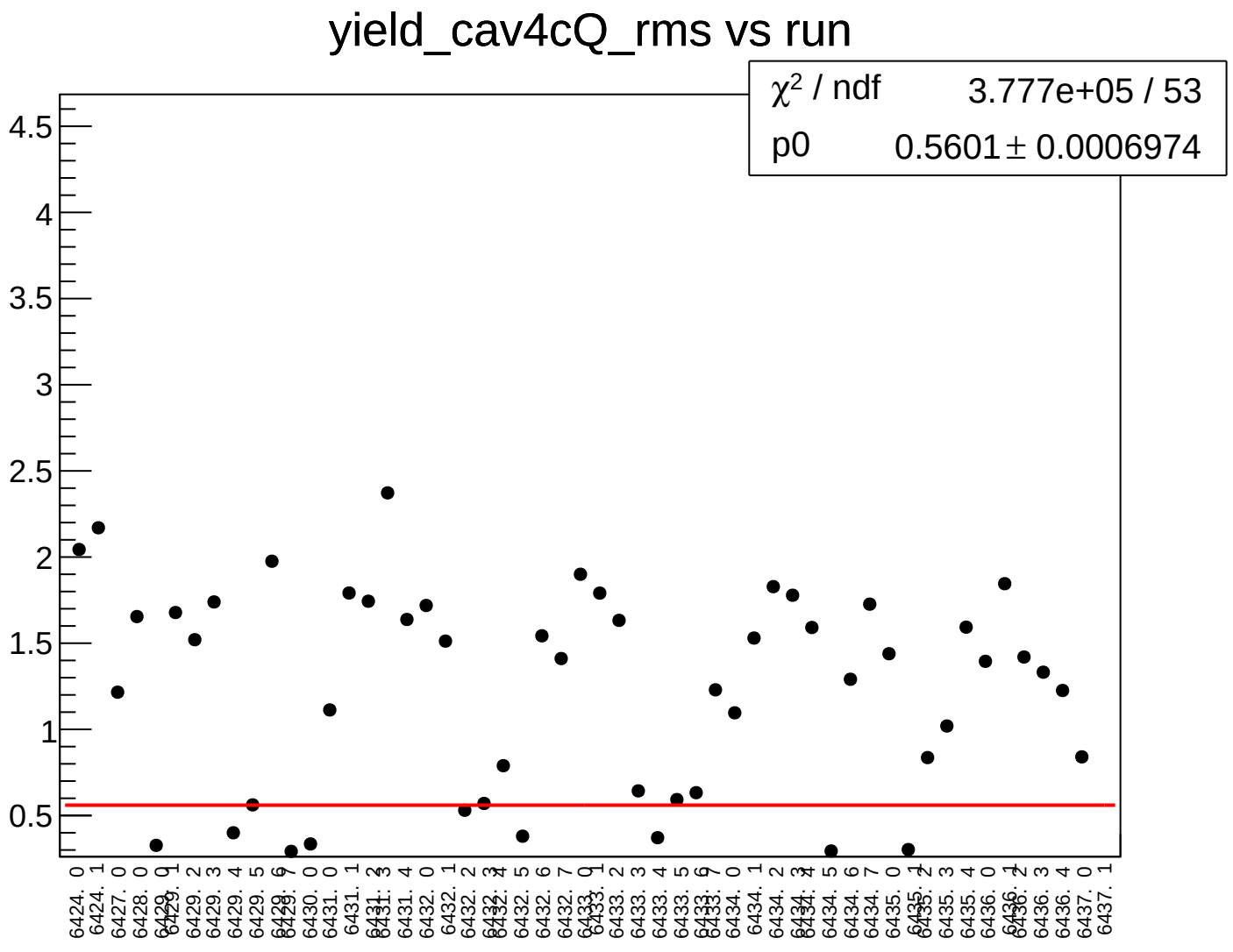
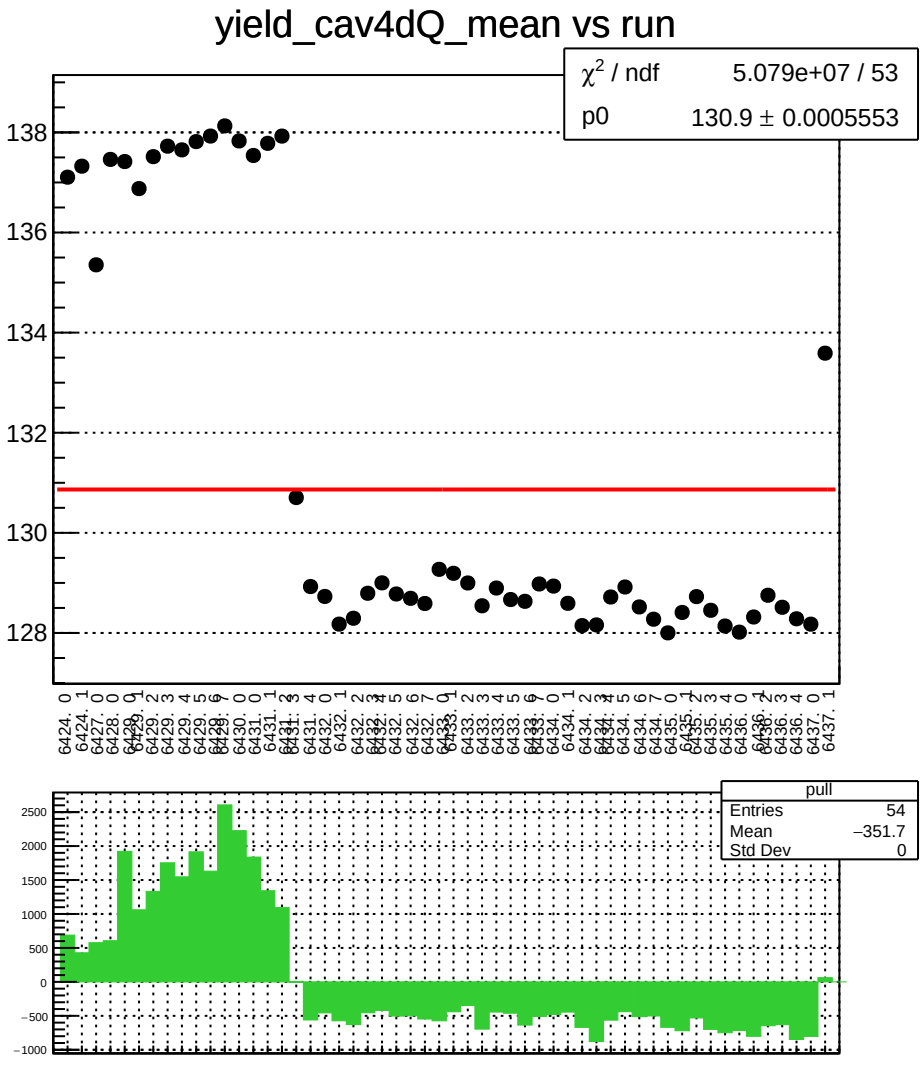
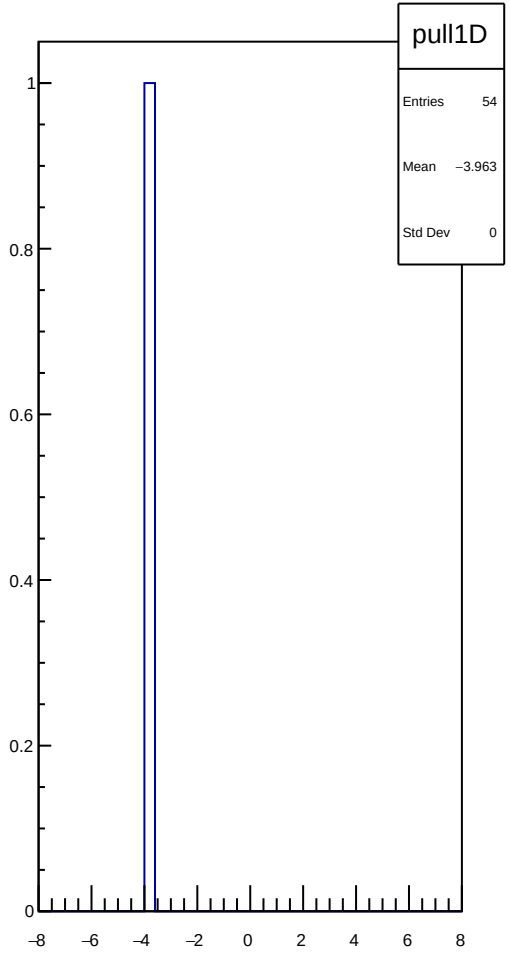
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

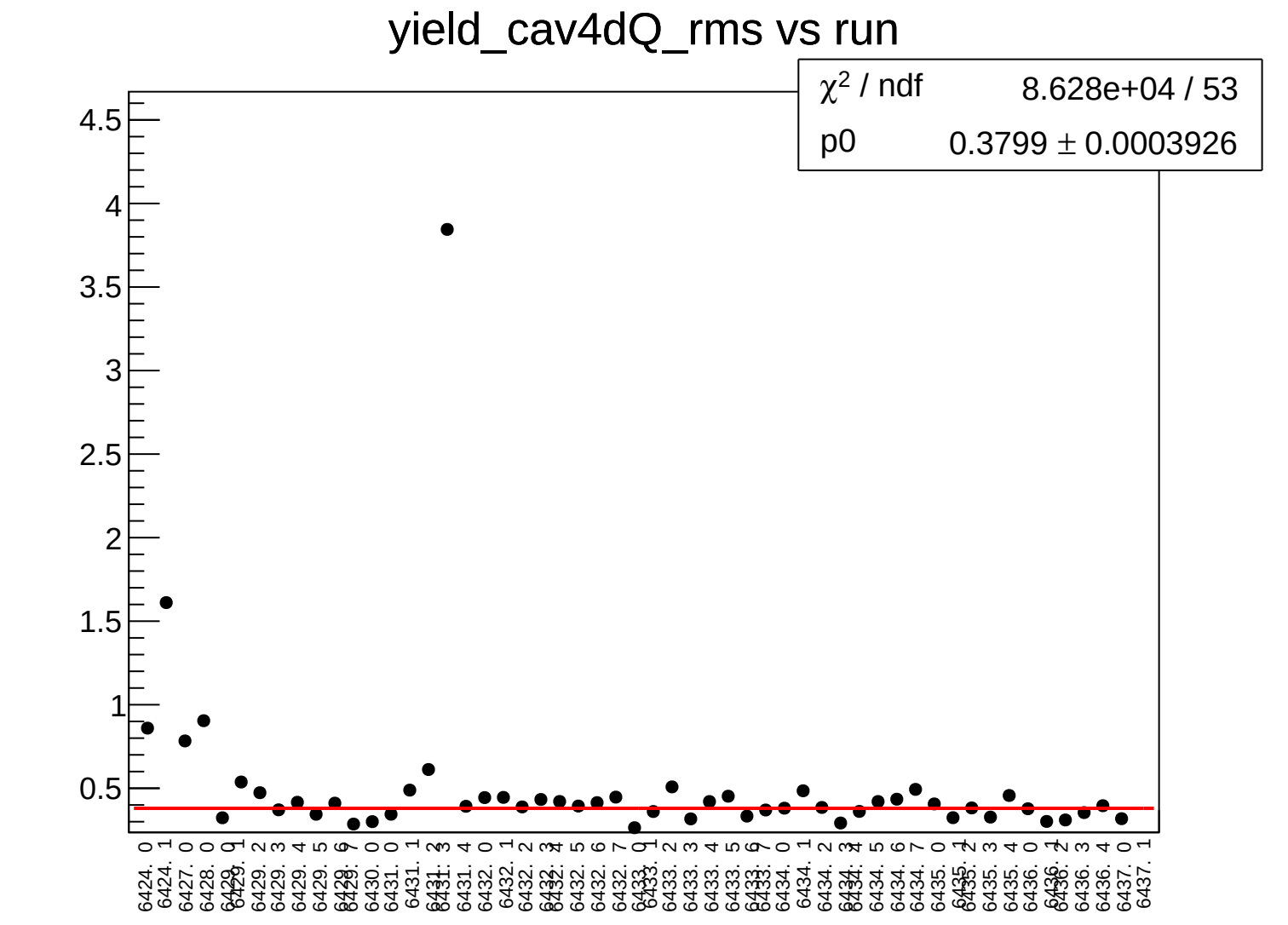

yield_cav4cQ_mean vs run
χ² / ndf 2.684e+07 / 53
p0 130.1± 0.0009863
pull
Entries 54
Mean 106.2
Std Dev 0

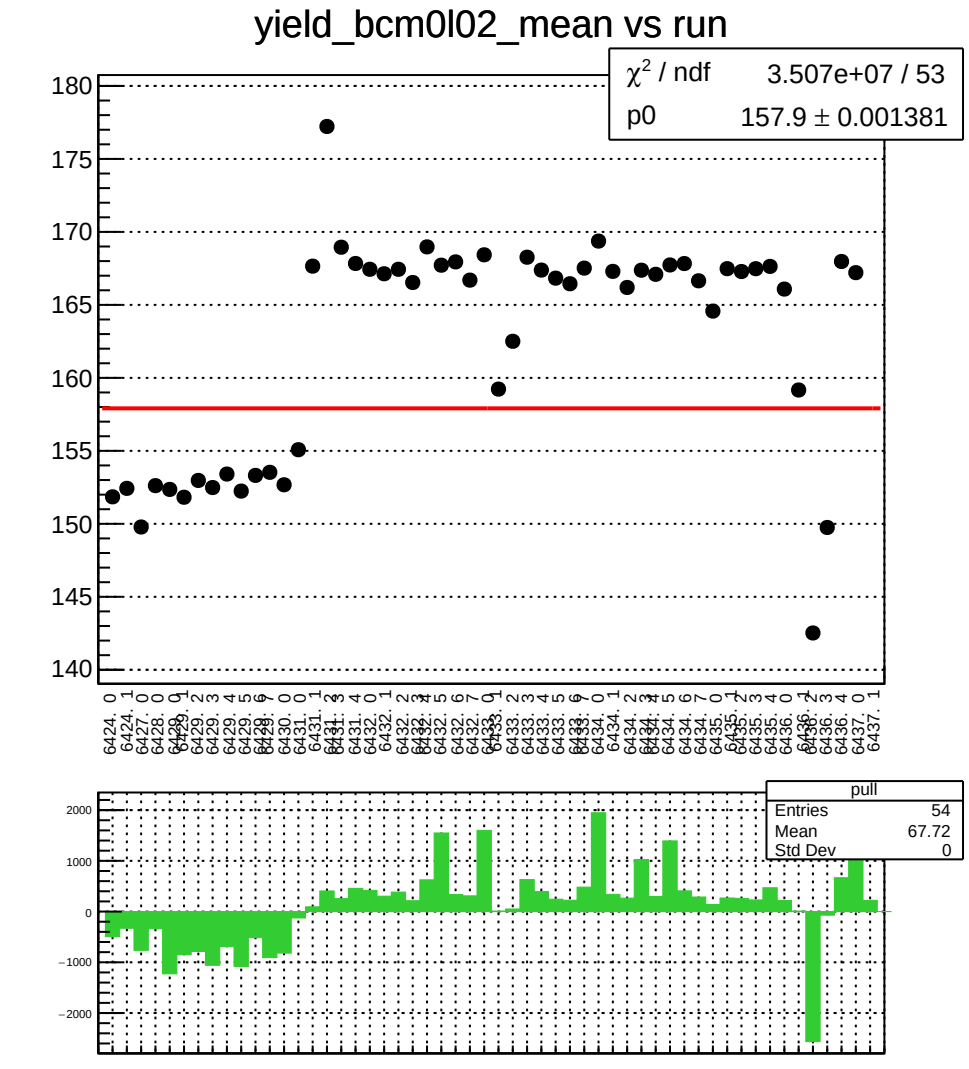

pull1D
Entries 54
Mean 0
Std Dev 0

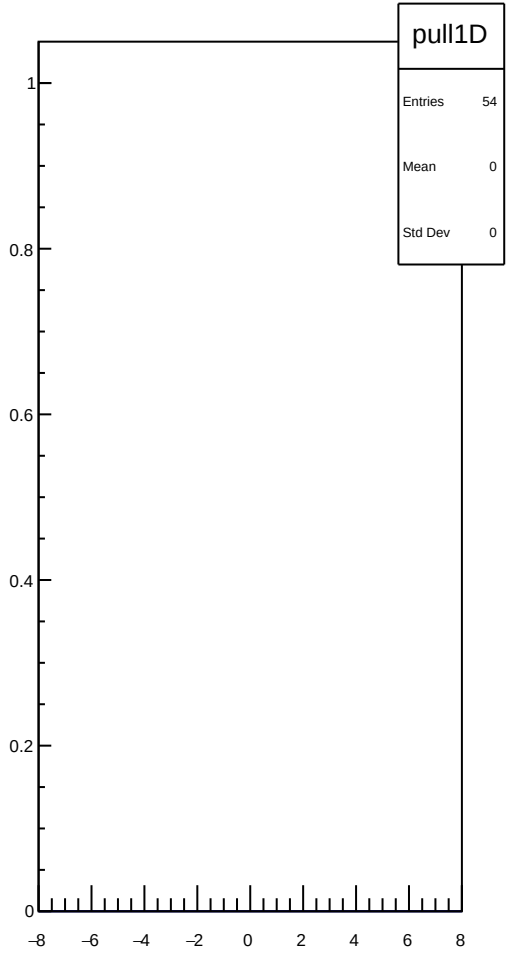

yield_cav4cQ_rms vs run
χ² / ndf 3.777e+05 / 53
p0 0.5601 ± 0.0006974
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

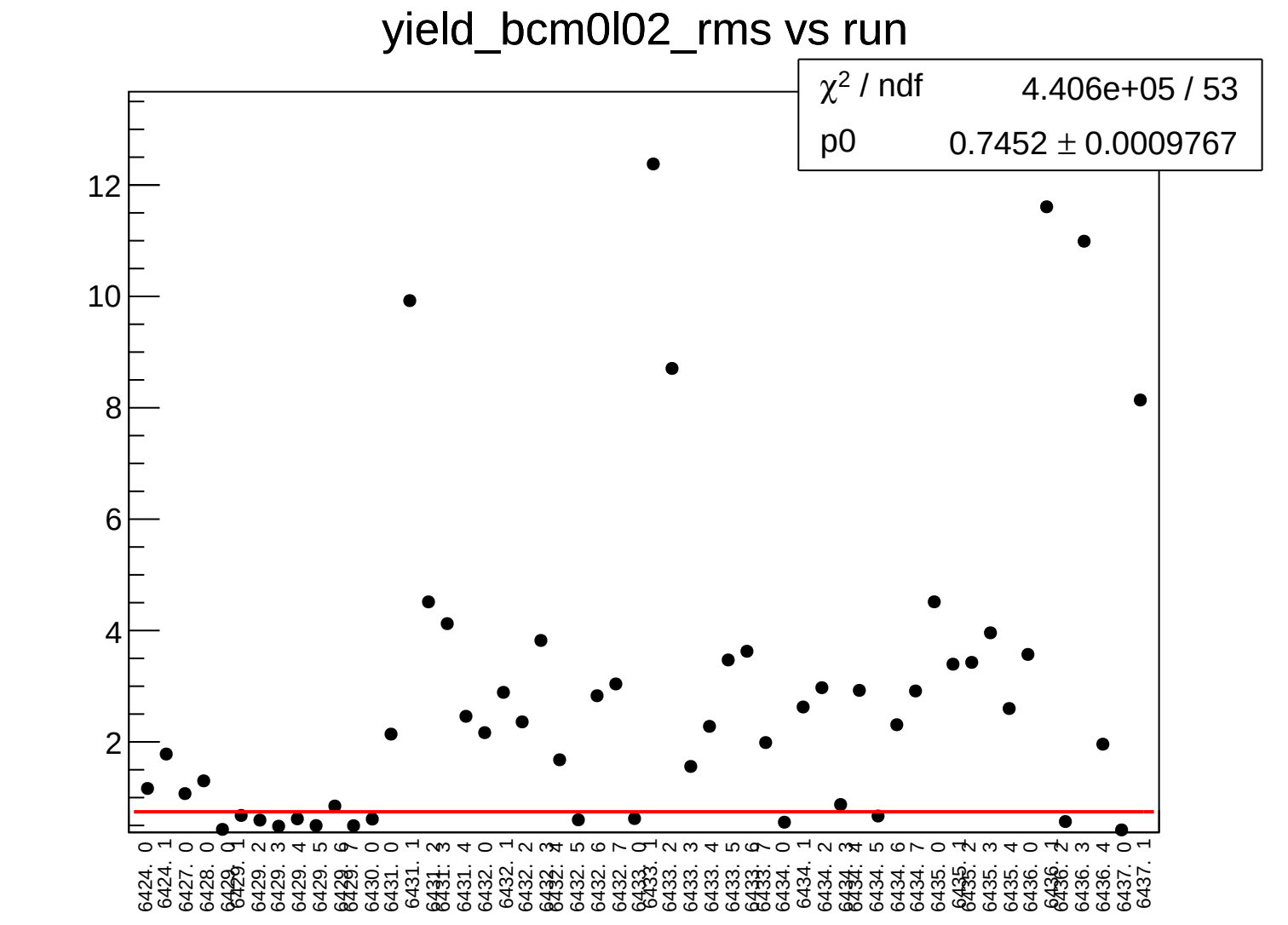

yield_cav4dQ_mean vs run
χ² / ndf 5.079e+07 / 53
p0 130.9 ± 0.0005553
pull
Entries 54
Mean −351.7
Std Dev 0

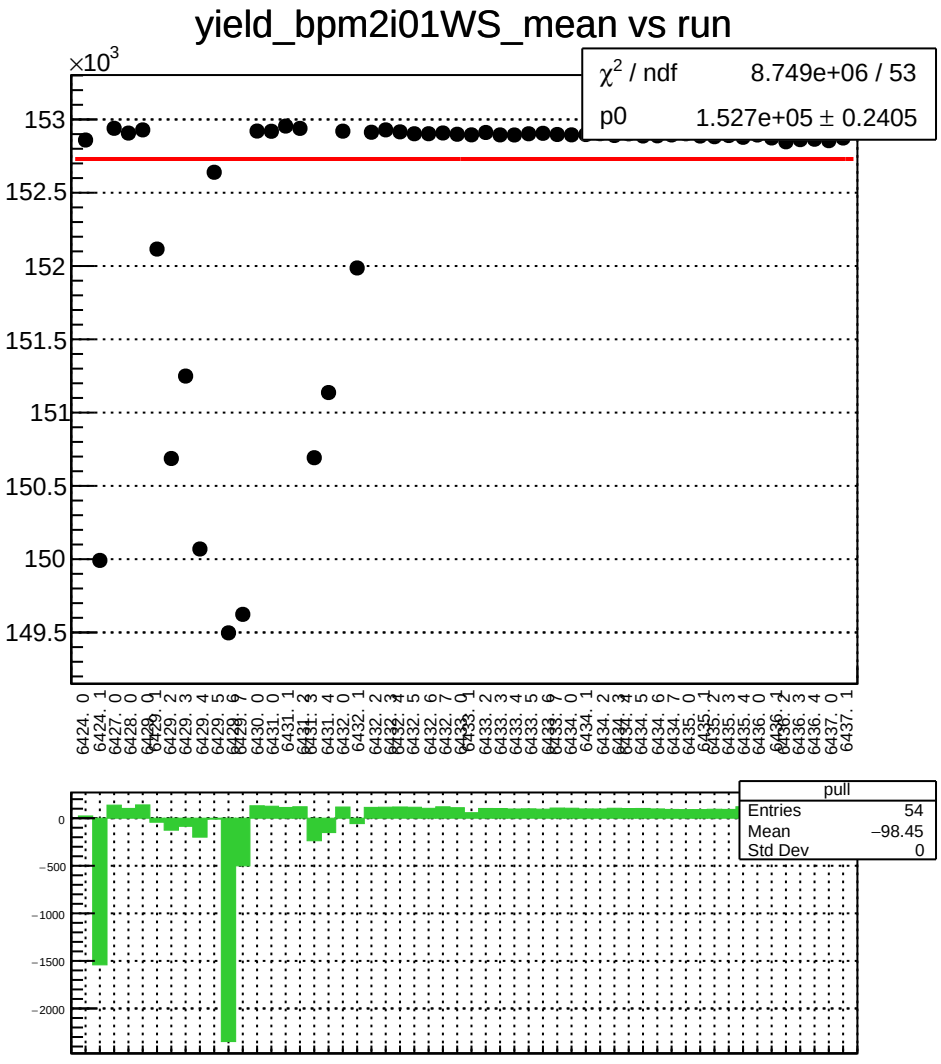

pull1D
Entries 54
Mean −3.963
Std Dev 0

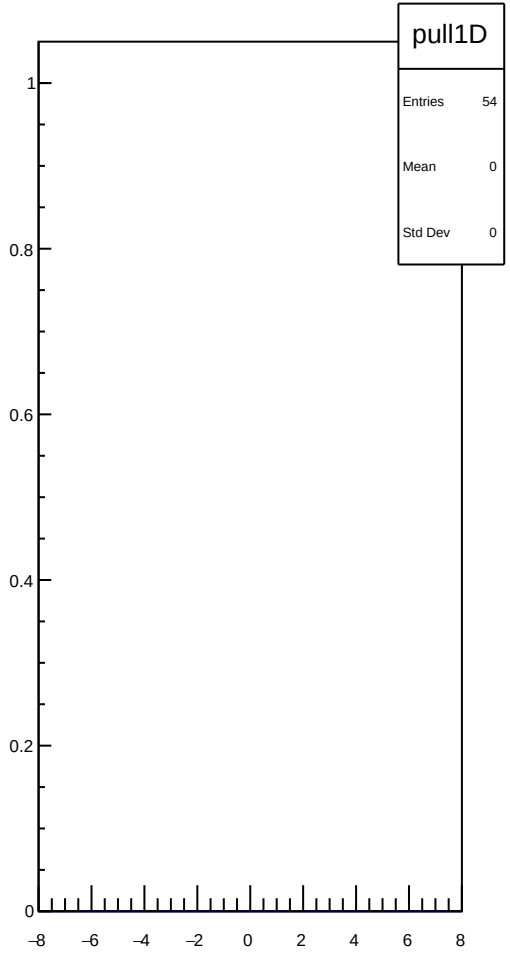

yield_cav4dQ_rms vs run
χ² / ndf 8.628e+04 / 53
p0 0.3799 ± 0.0003926
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

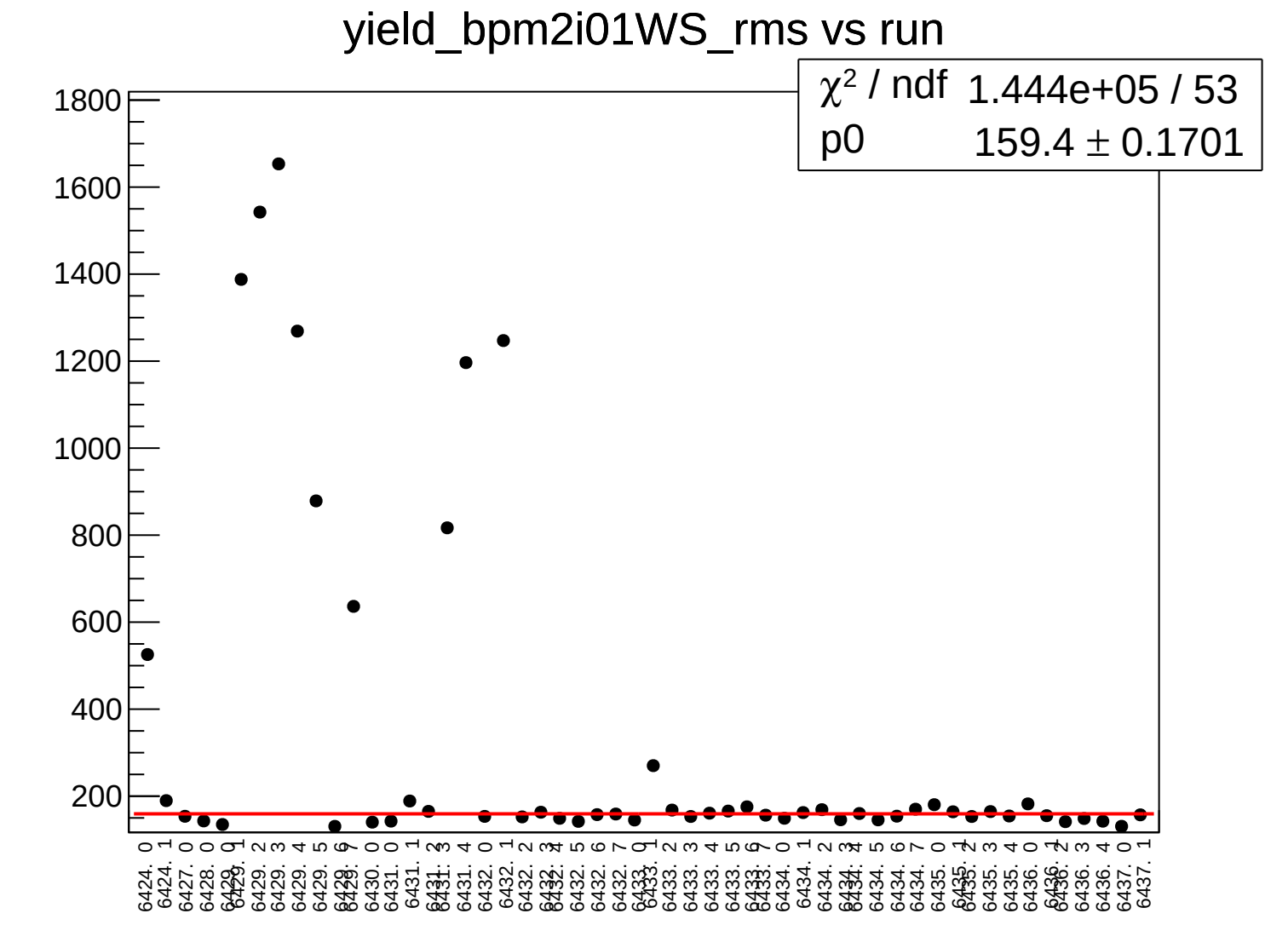

yield_bcm0l02_mean vs run
χ² / ndf 3.507e+07 / 53
p0 157.9 ± 0.001381
pull
Entries 54
Mean 67.72
Std Dev 0

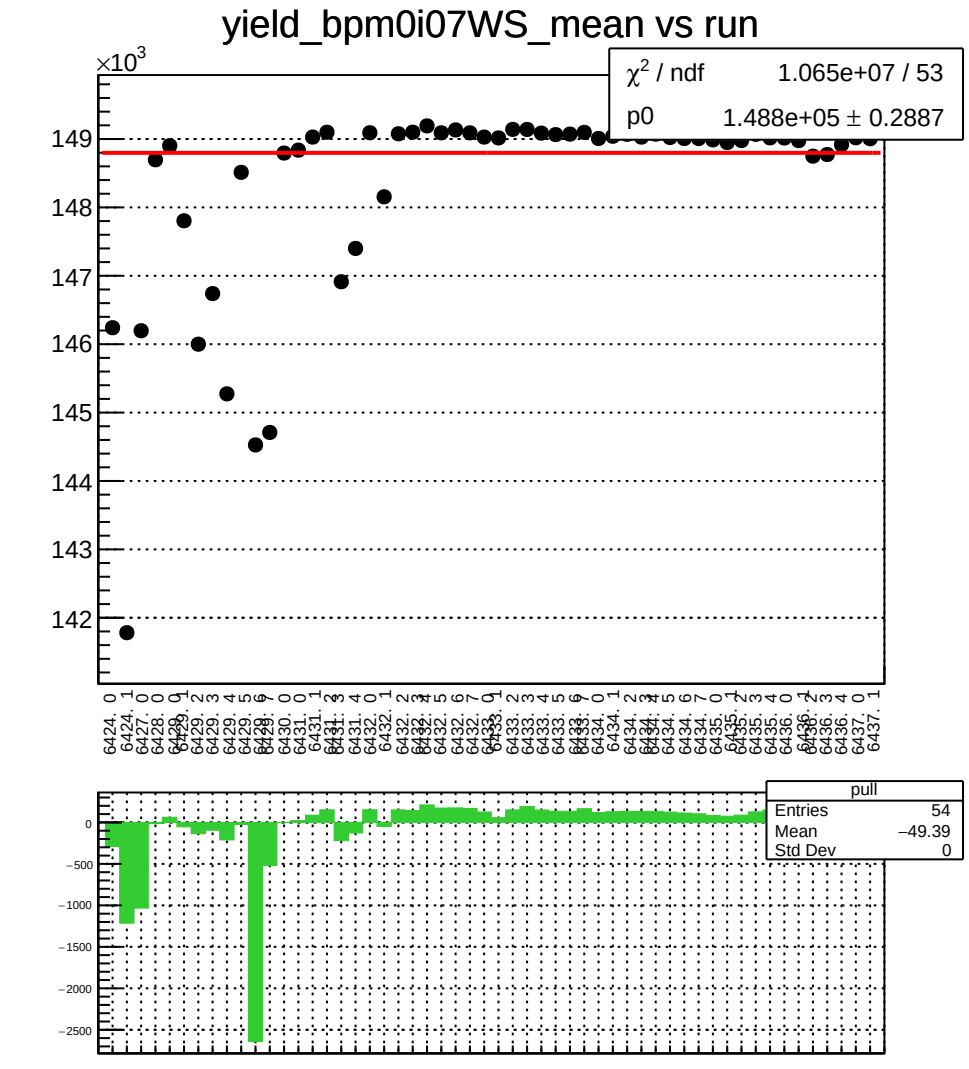

pull1D
Entries 54
Mean 0
Std Dev 0

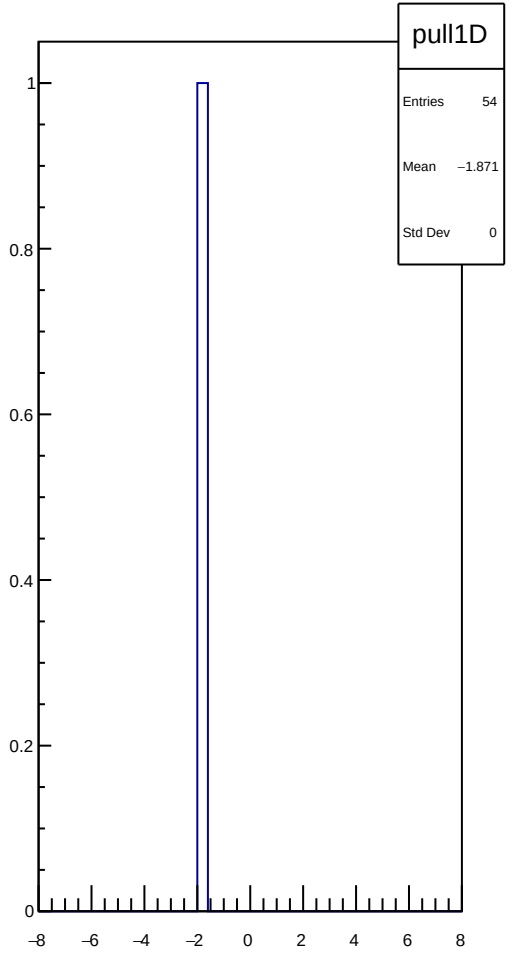

yield_bcm0l02_rms vs run
χ² / ndf 4.406e+05 / 53
p0 0.7452 ± 0.0009767
12
10
8
6
4
2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

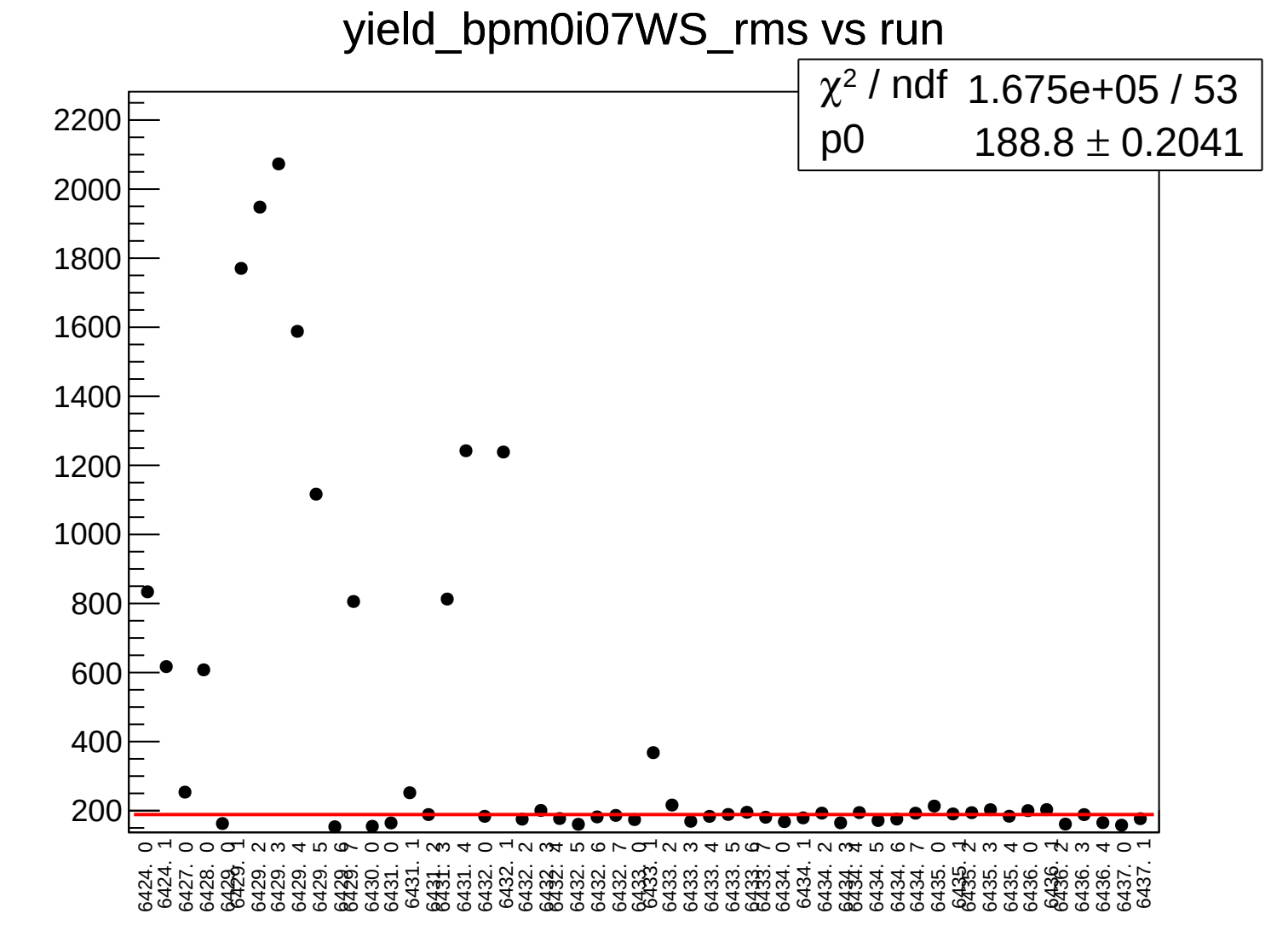

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.749e+06 / 53
p0 1.527e+05 ± 0.2405
153
152.5
152
151.5
151
150.5
150
149.5
pull
Entries 54
Mean −98.45
Std Dev 0
0
−500
−1000
−1500
−2000

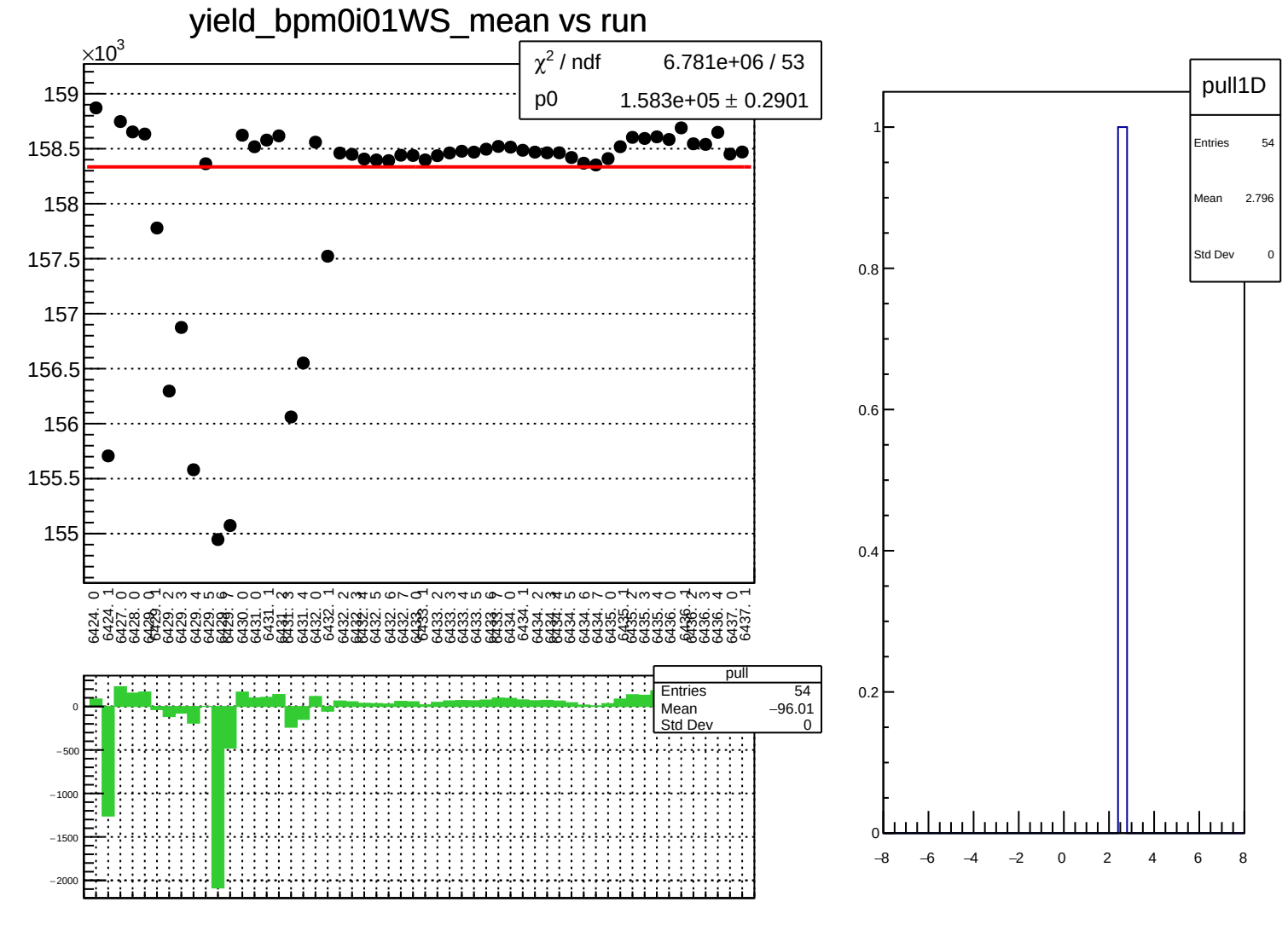

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

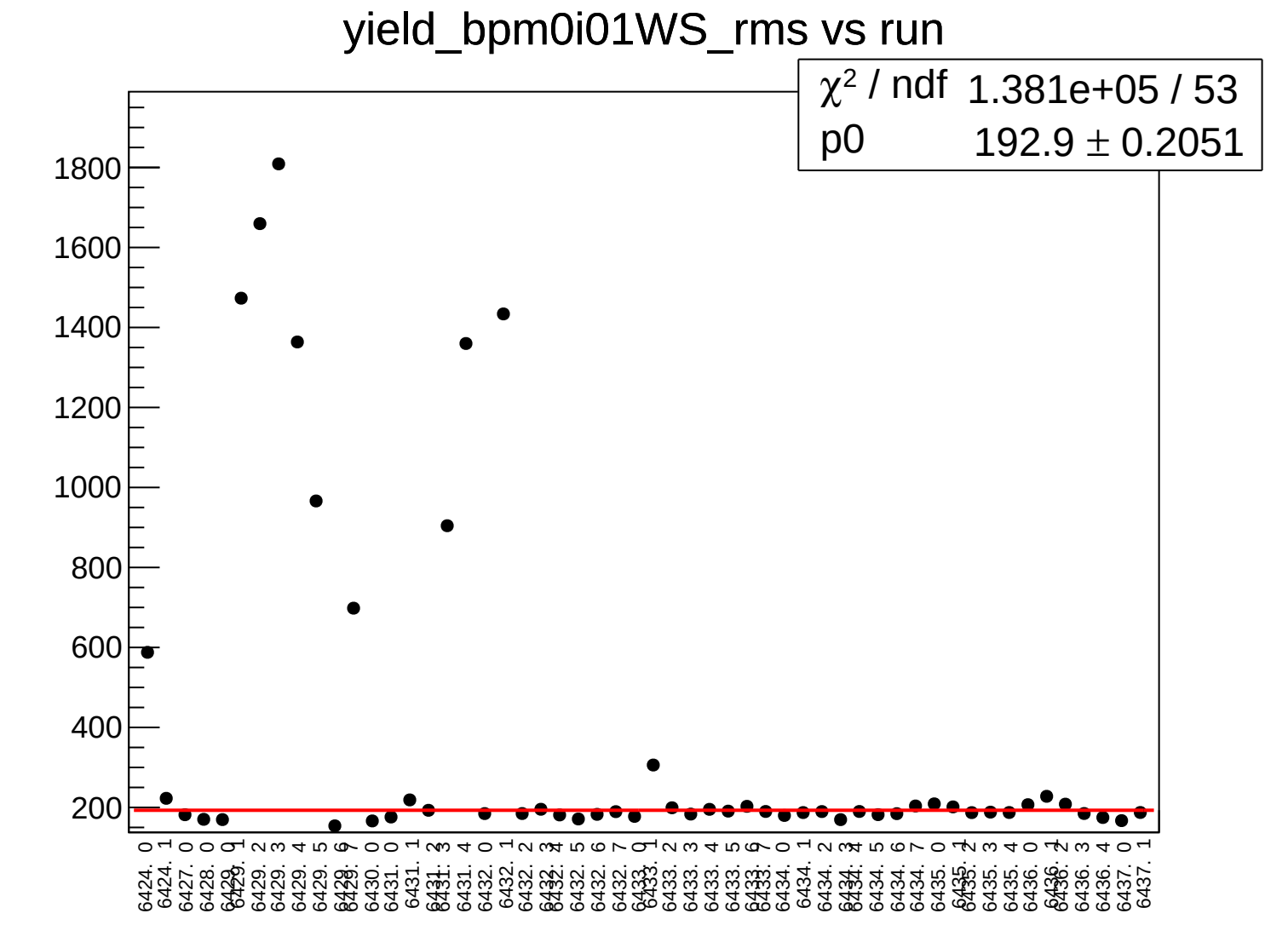

yield_bpm2i01WS_rms vs run
χ² / ndf 1.444e+05 / 53
p0 159.4 ± 0.1701
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

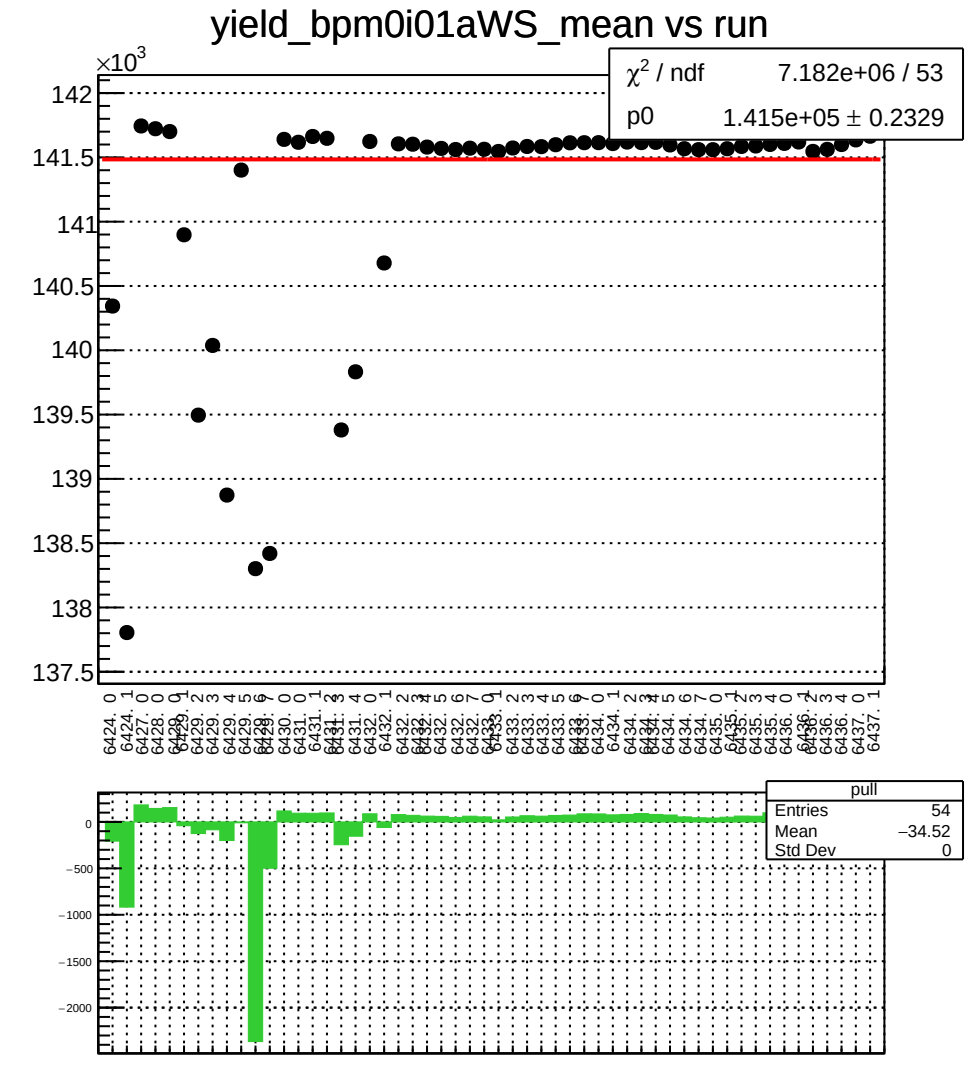

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.065e+07 / 53
p0 1.488e+05 ± 0.2887
149
148
147
146
145
144
143
142
pull
Entries 54
Mean −49.39
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

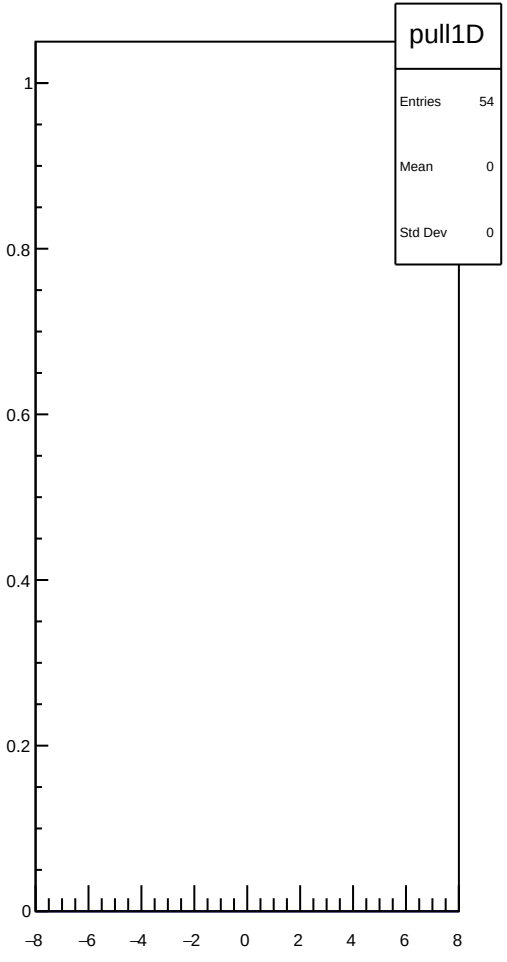

pull1D
Entries 54
Mean −1.871
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

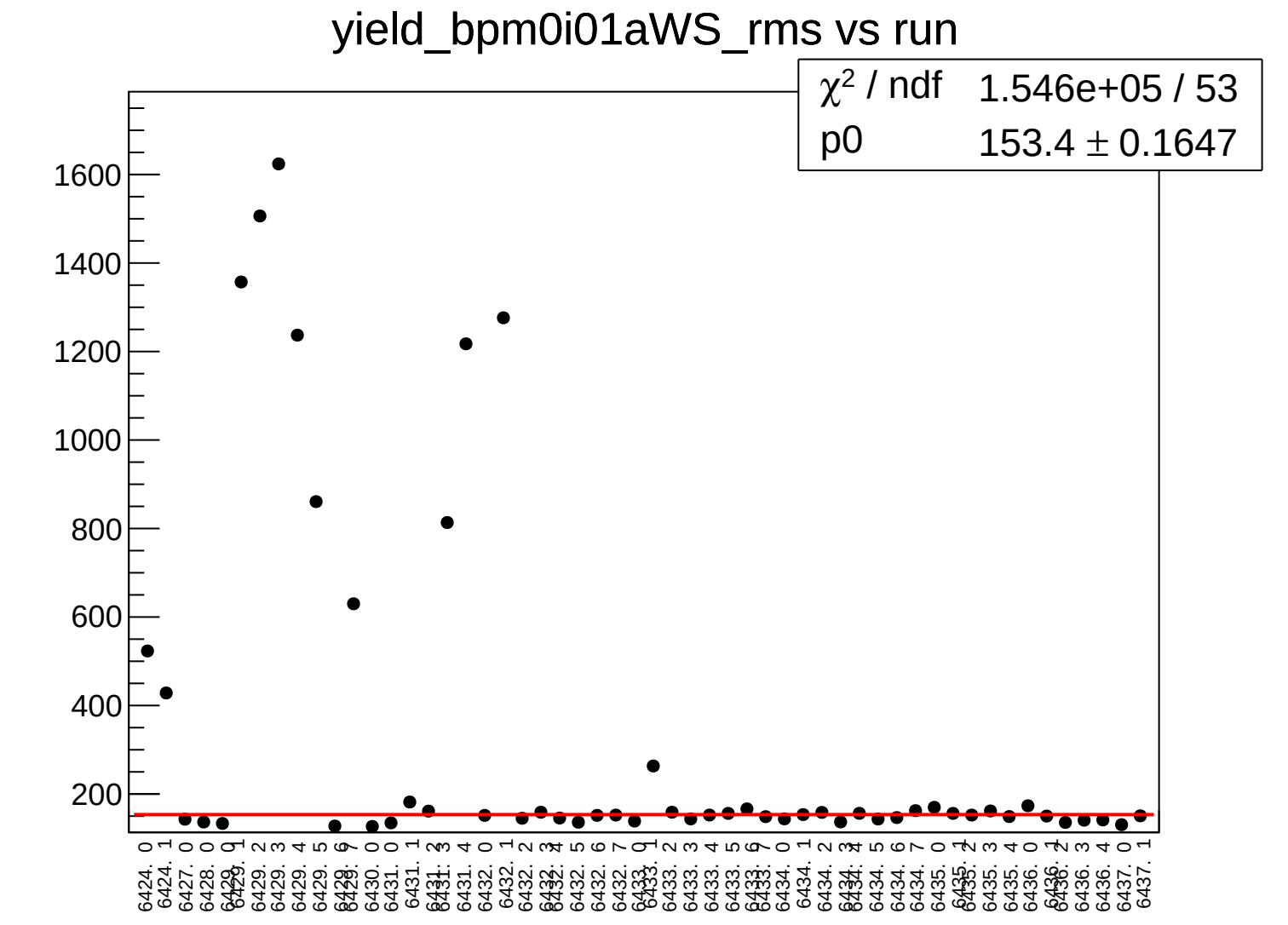

yield_bpm0i07WS_rms vs run
χ² / ndf 1.675e+05 / 53
p0 188.8 ± 0.2041
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

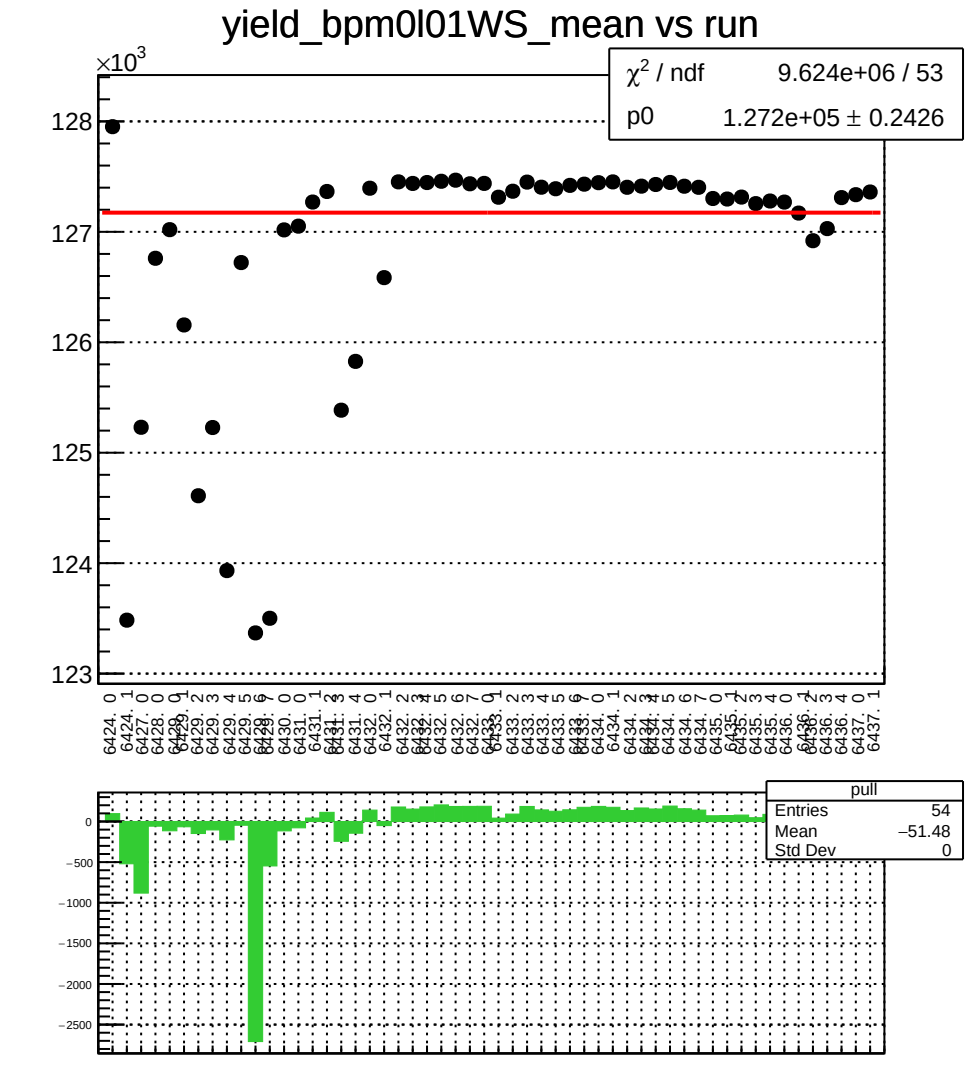

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 6.781e+06 / 53
p0 1.583e+05 ± 0.2901
159
158.5
158
157.5
157
156.5
156
155.5
155
pull
Entries 54
Mean −96.01
Std Dev 0
0
−500
−1000
−1500
−2000
pull1D
Entries 54
Mean 2.796
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

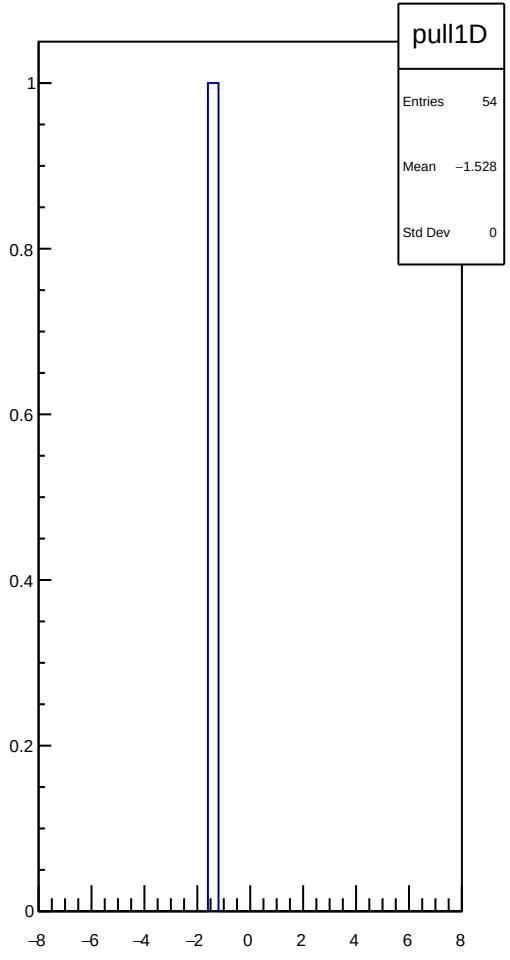

yield_bpm0i01WS_rms vs run
χ² / ndf 1.381e+05 / 53
p0 192.9 ± 0.2051
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

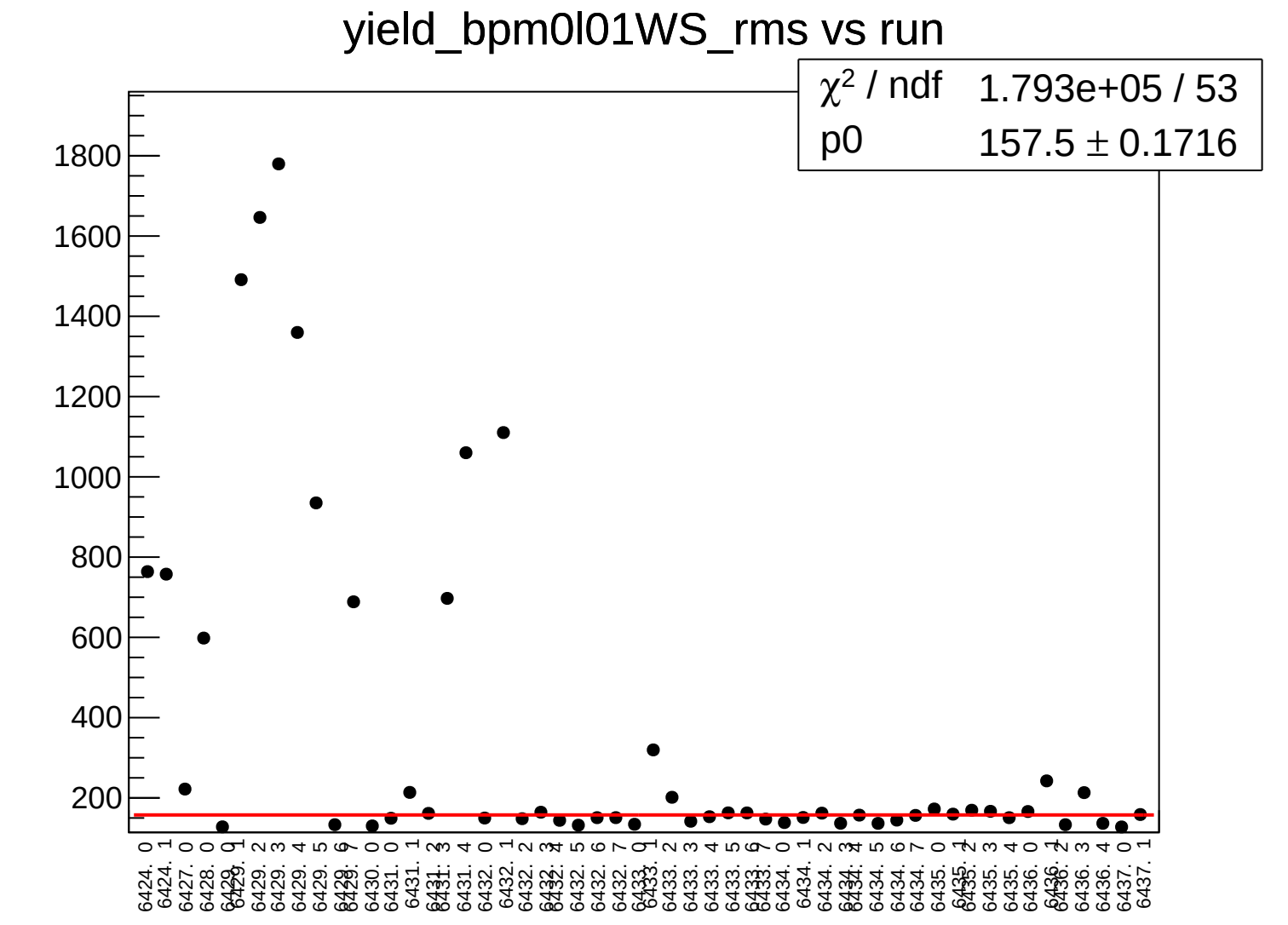

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 7.182e+06 / 53
p0 1.415e+05 ± 0.2329
142
141.5
141
140.5
140
139.5
139
138.5
138
137.5
pull
Entries 54
Mean −34.52
Std Dev 0
0
−500
−1000
−1500
−2000

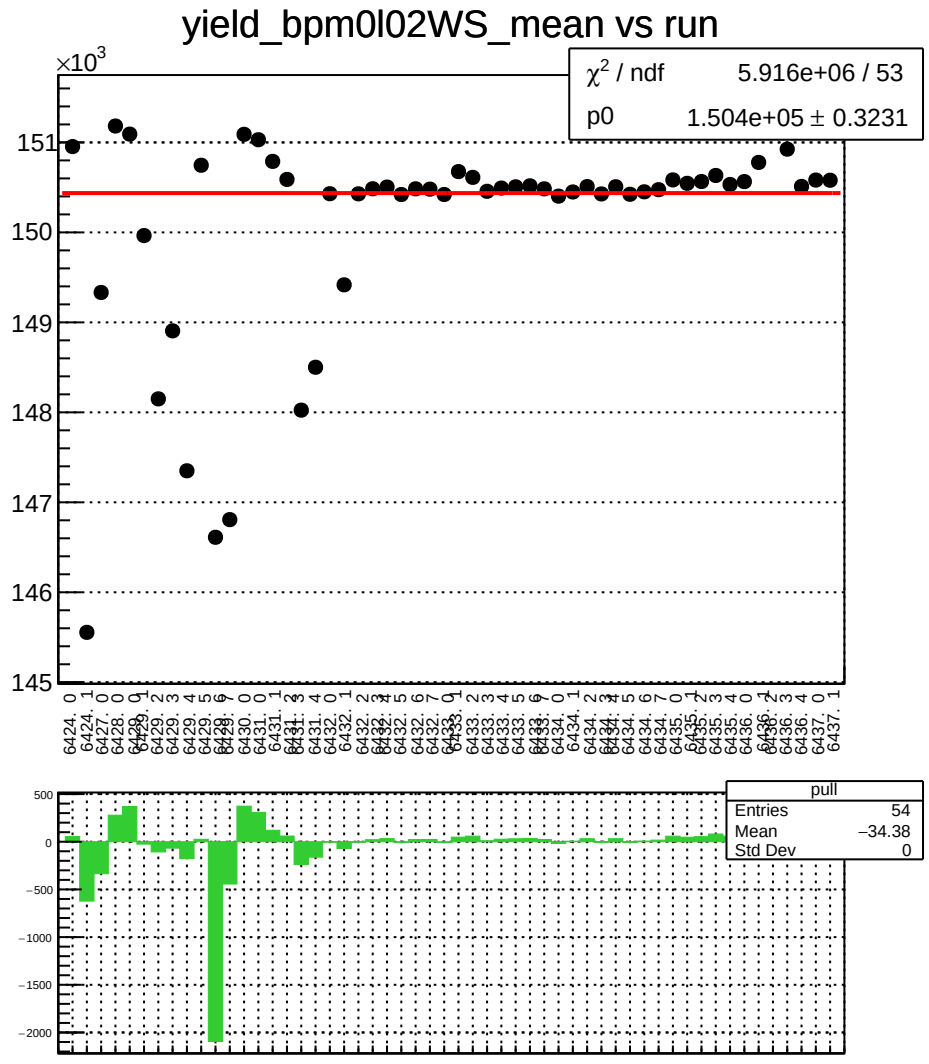

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

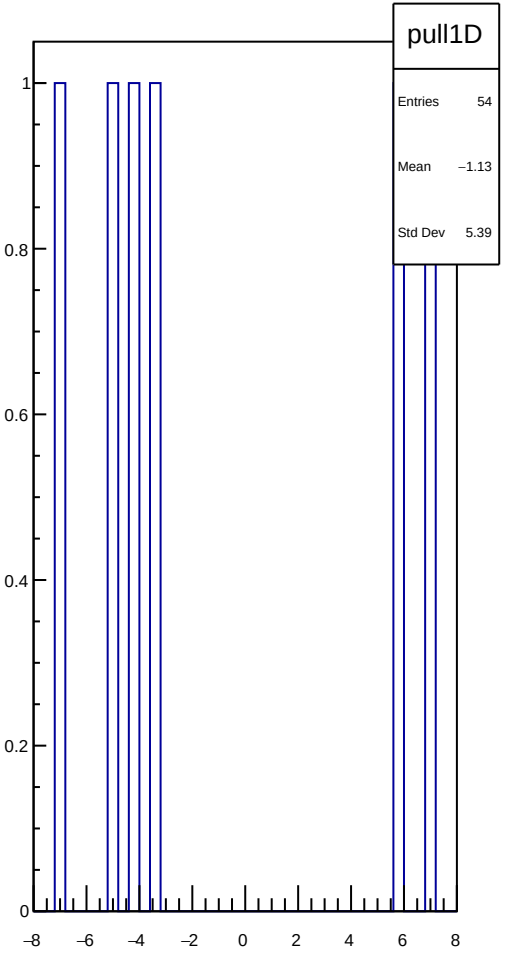

yield_bpm0i01aWS_rms vs run
χ² / ndf 1.546e+05 / 53
p0 153.4 ± 0.1647
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

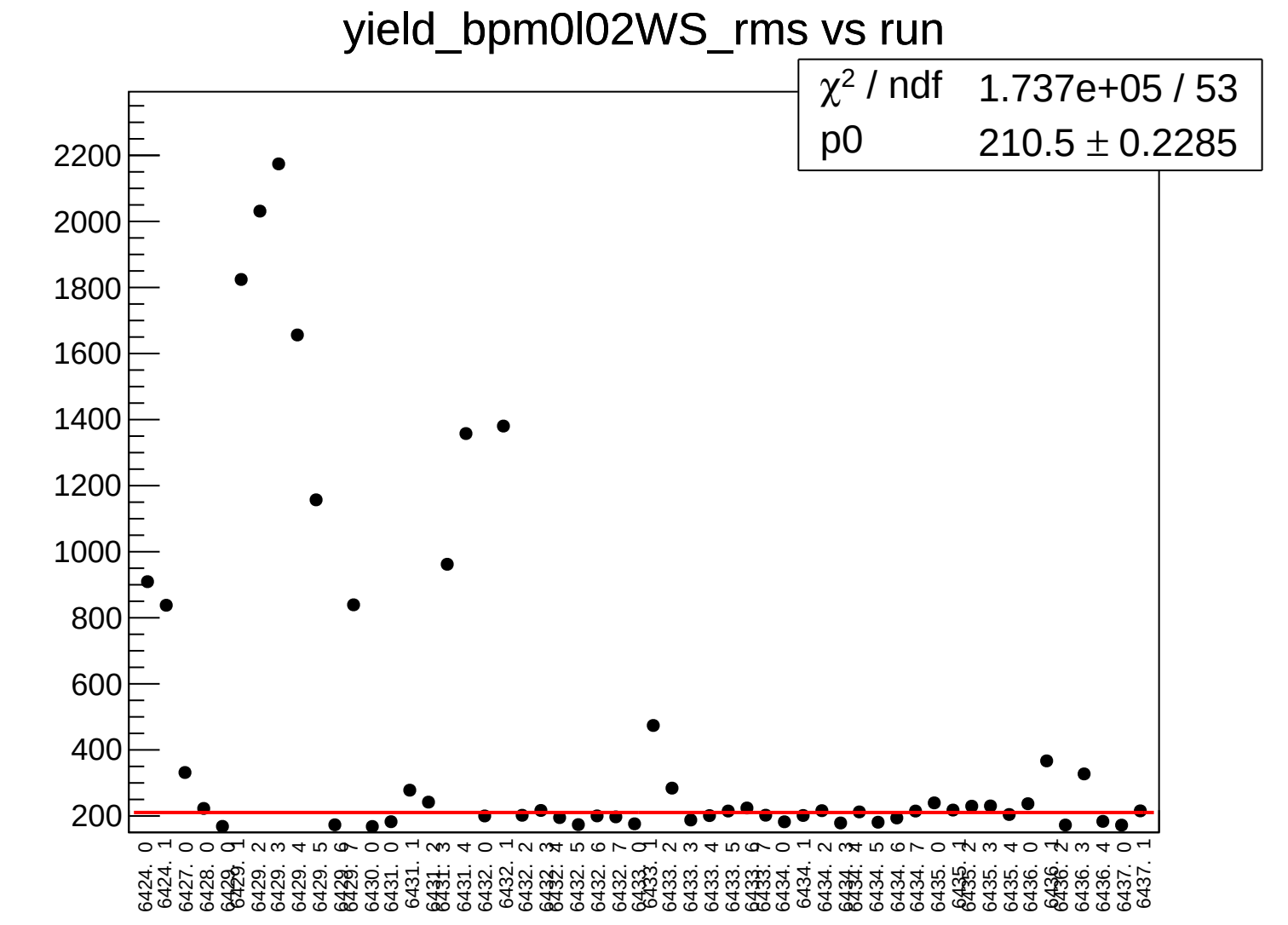

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 9.624e+06 / 53
p0 1.272e+05 ± 0.2426
128
127
126
125
124
123
pull
Entries 54
Mean −51.48
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

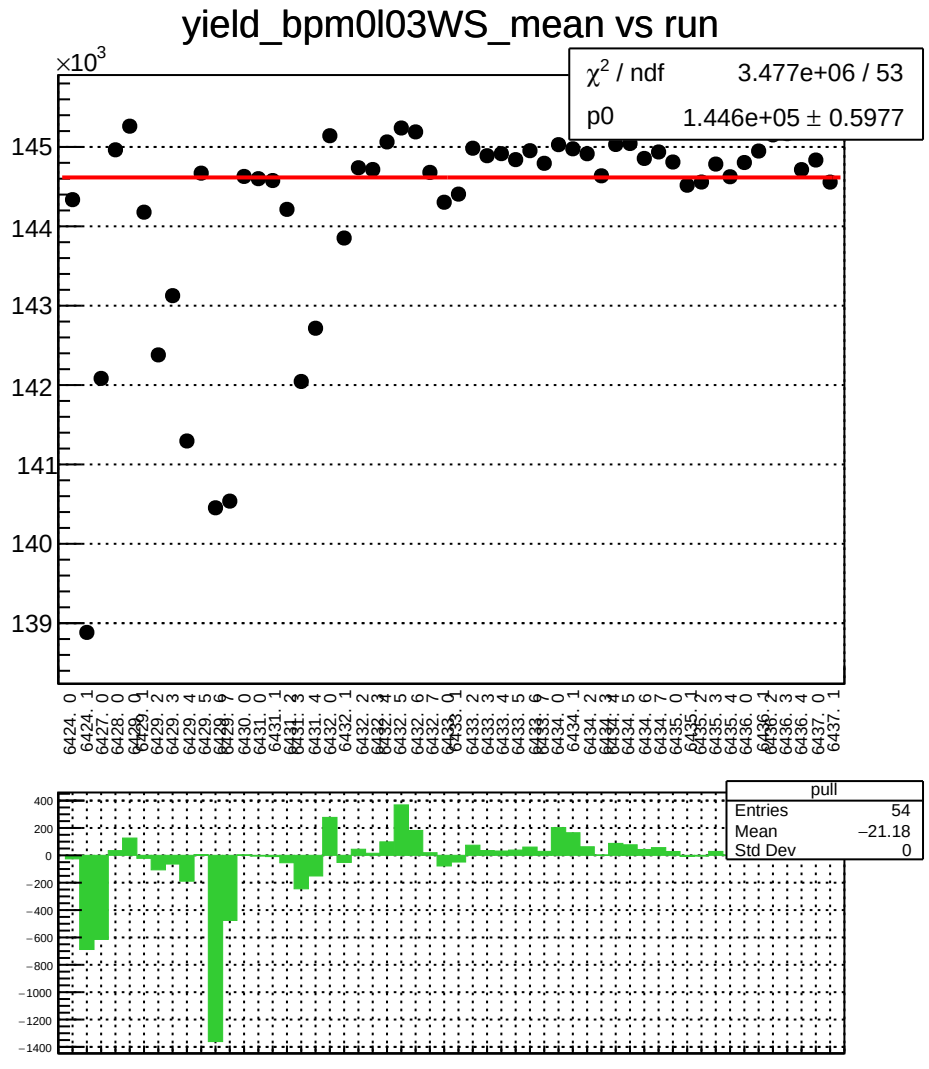

pull1D
Entries 54
Mean −1.528
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

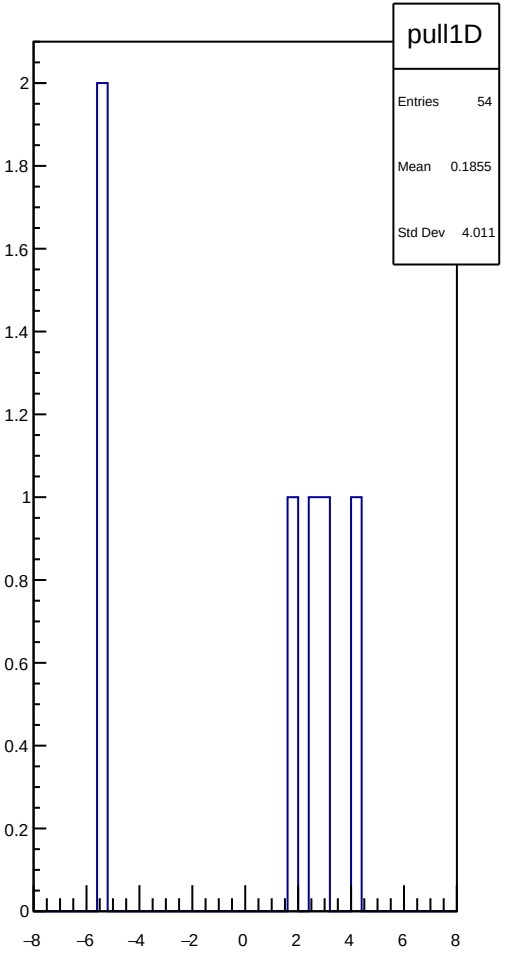

yield_bpm0l01WS_rms vs run
χ² / ndf 1.793e+05 / 53
p0 157.5 ± 0.1716
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

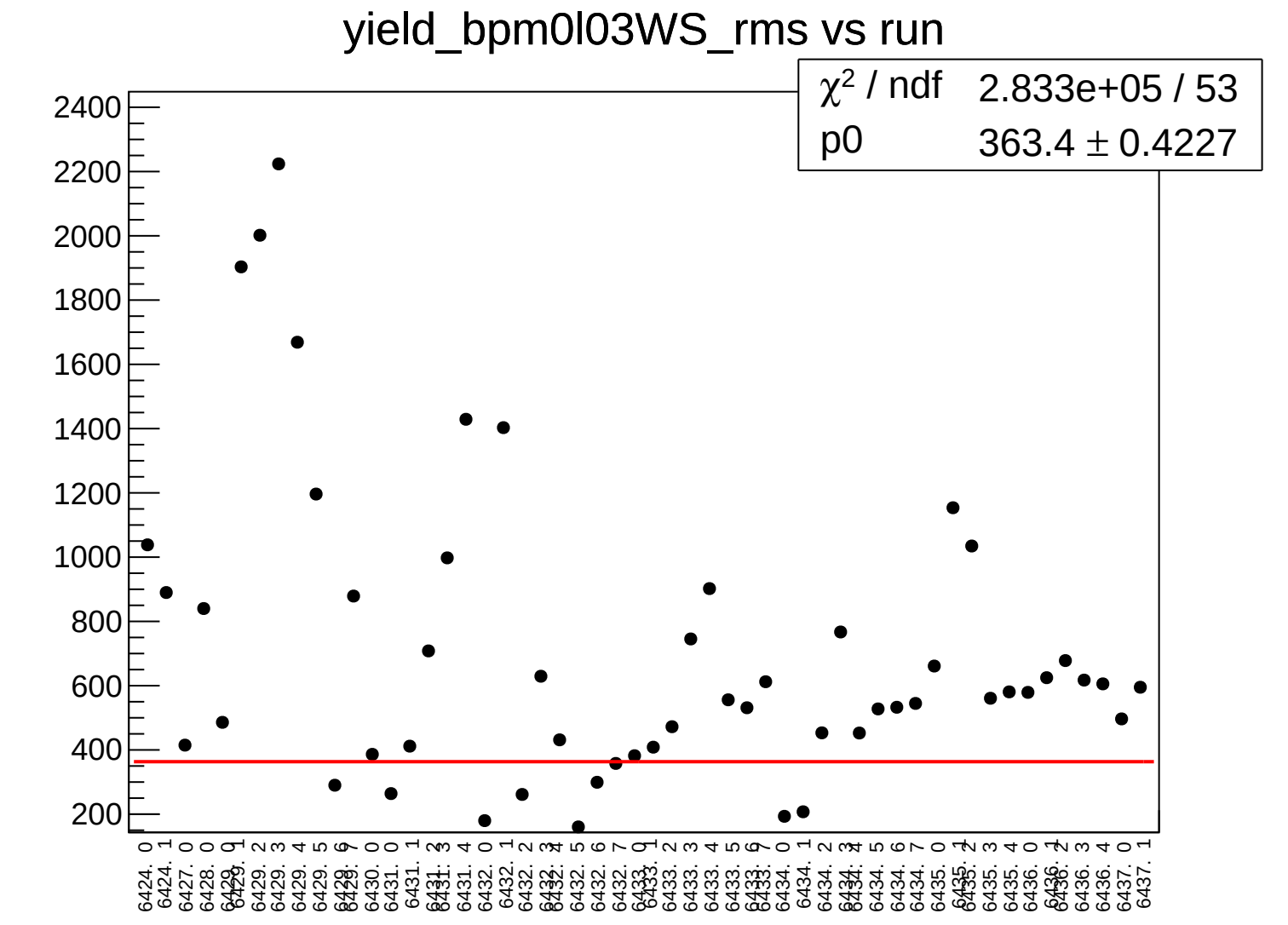

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 5.916e+06 / 53
p0 1.504e+05 ± 0.3231
151
150
149
148
147
146
145
pull
Entries 54
Mean −34.38
Std Dev 0
500
0
−500
−1000
−1500
−2000

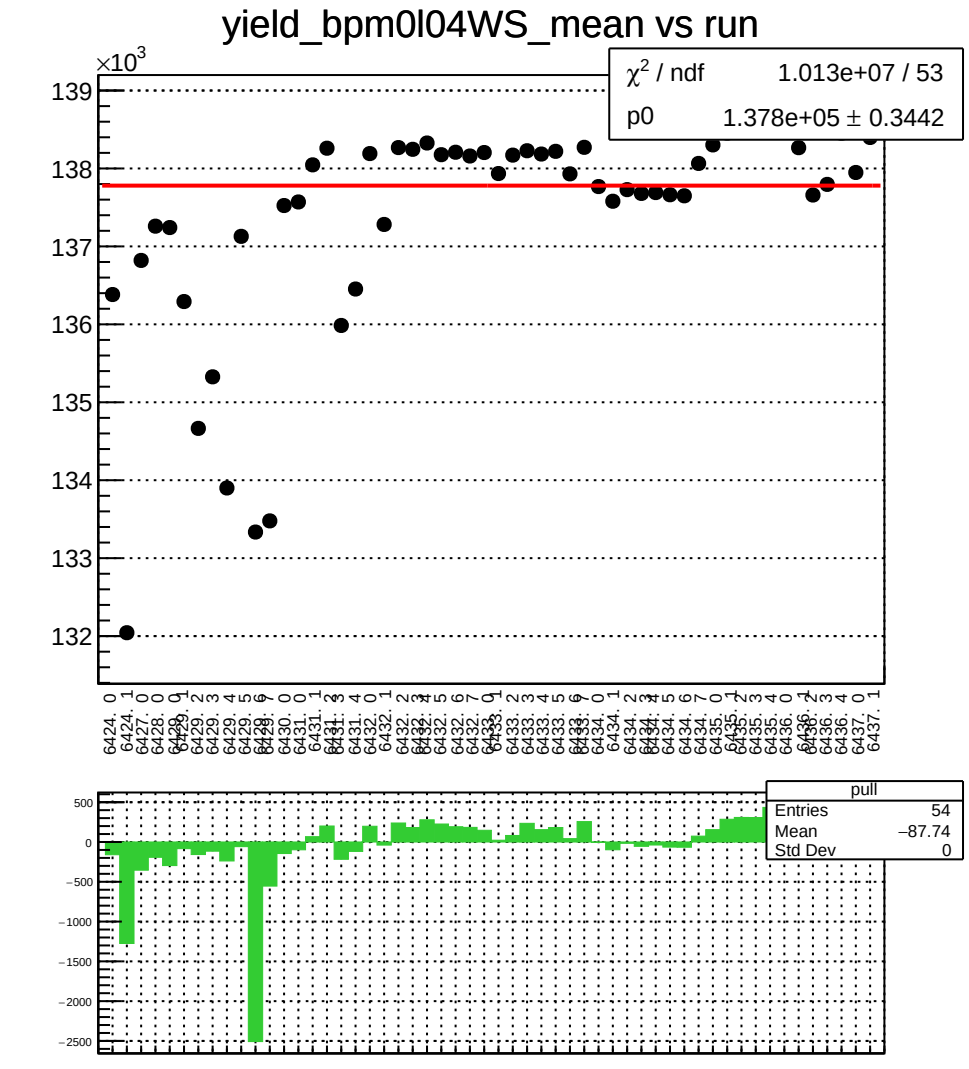

pull1D
Entries 54
Mean −1.13
Std Dev 5.39
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

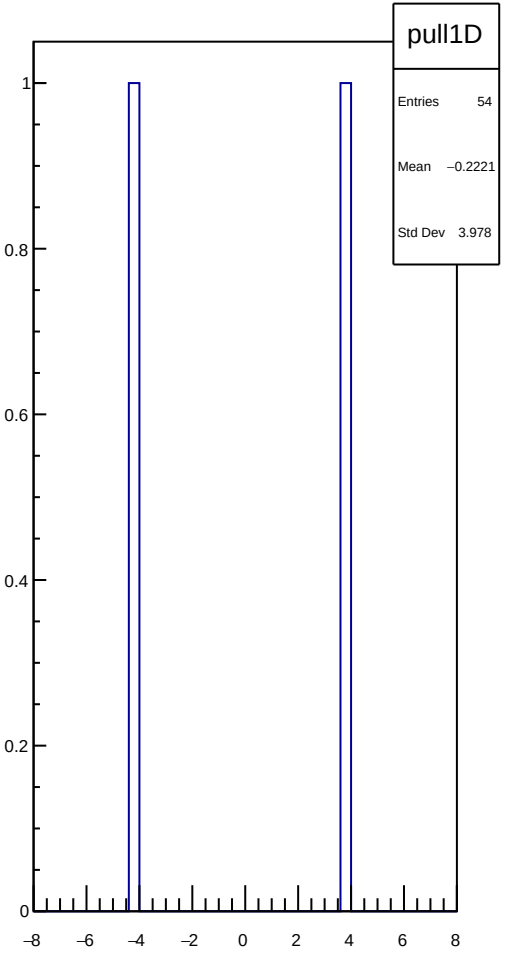

yield_bpm0l02WS_rms vs run
χ² / ndf 1.737e+05 / 53
p0 210.5 ± 0.2285
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

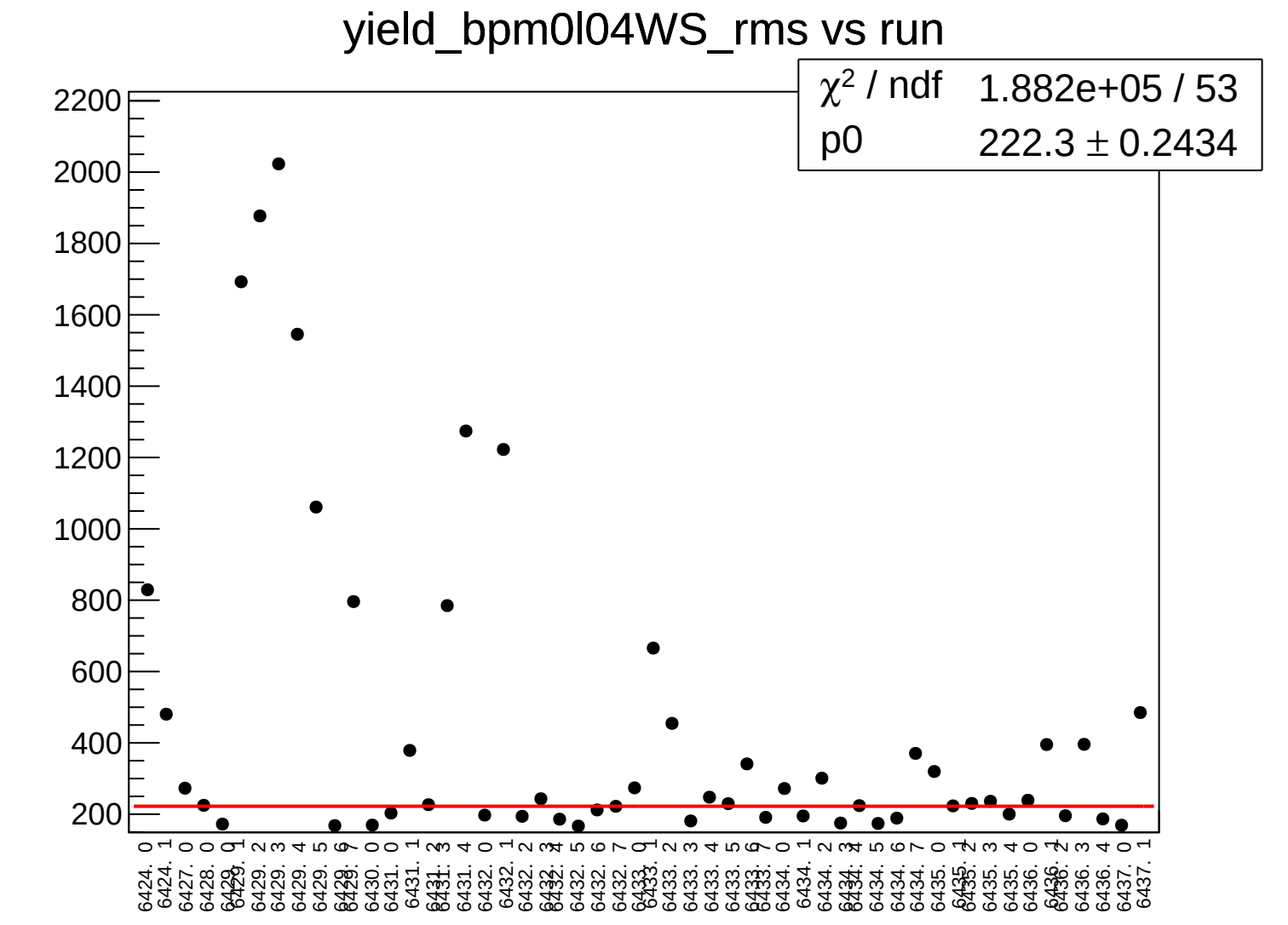

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 3.477e+06 / 53
p0 1.446e+05 ± 0.5977
145
144
143
142
141
140
139
pull
Entries 54
Mean −21.18
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

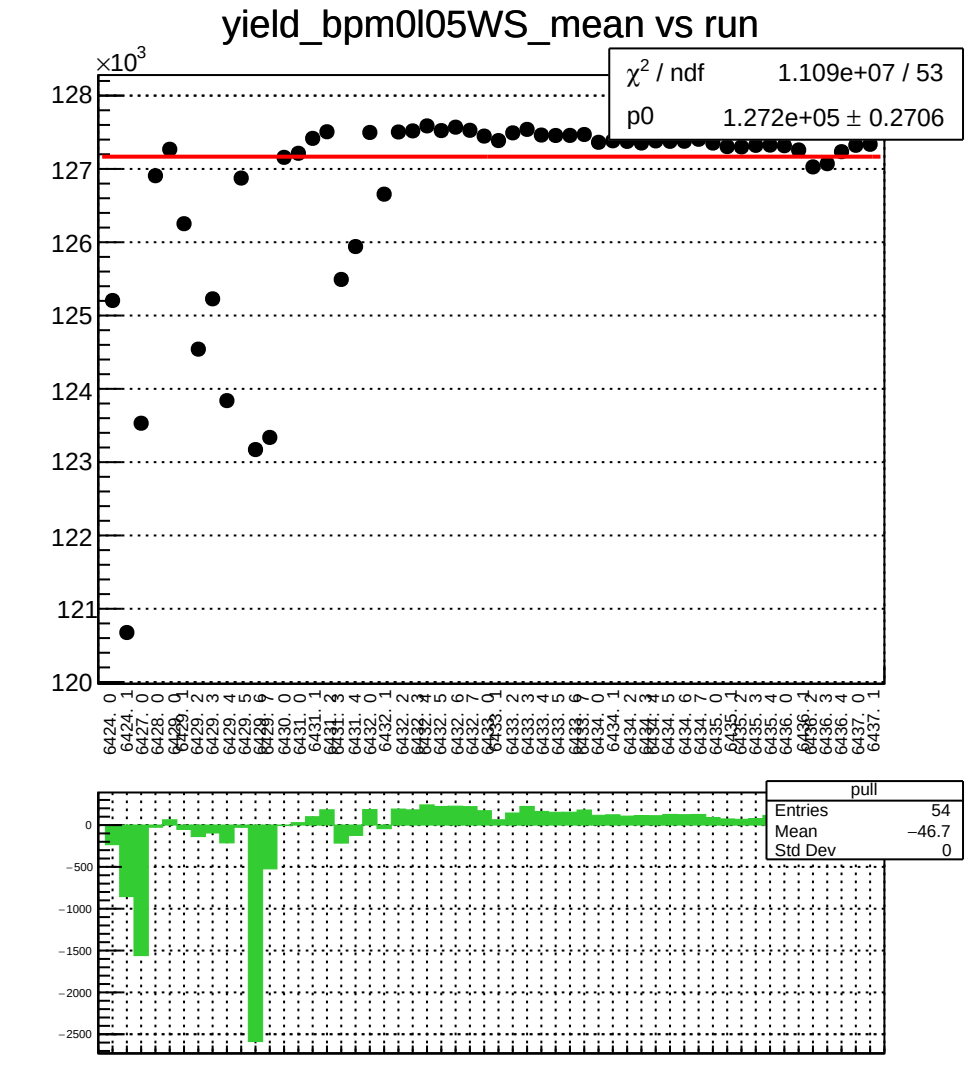

pull1D
Entries 54
Mean 0.1855
Std Dev 4.011
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

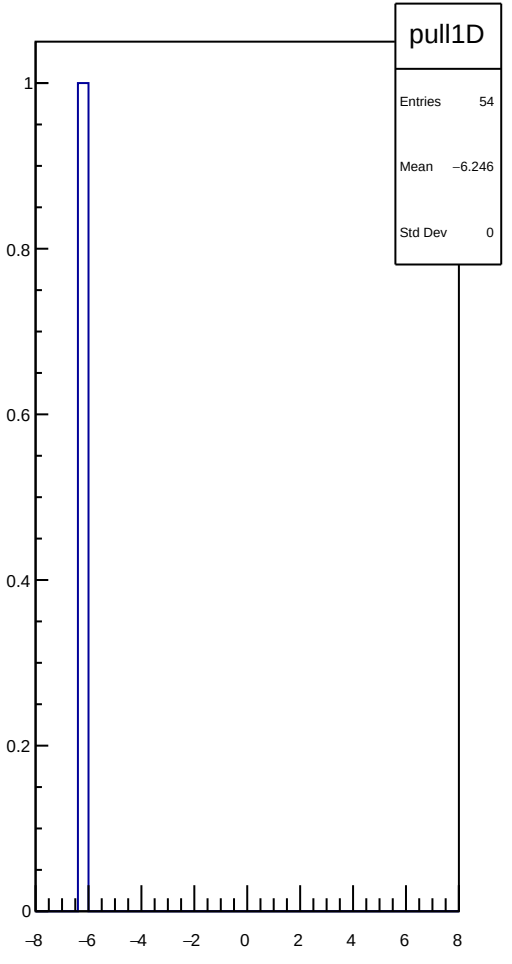

yield_bpm0l03WS_rms vs run
χ² / ndf 2.833e+05 / 53
p0 363.4 ± 0.4227
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

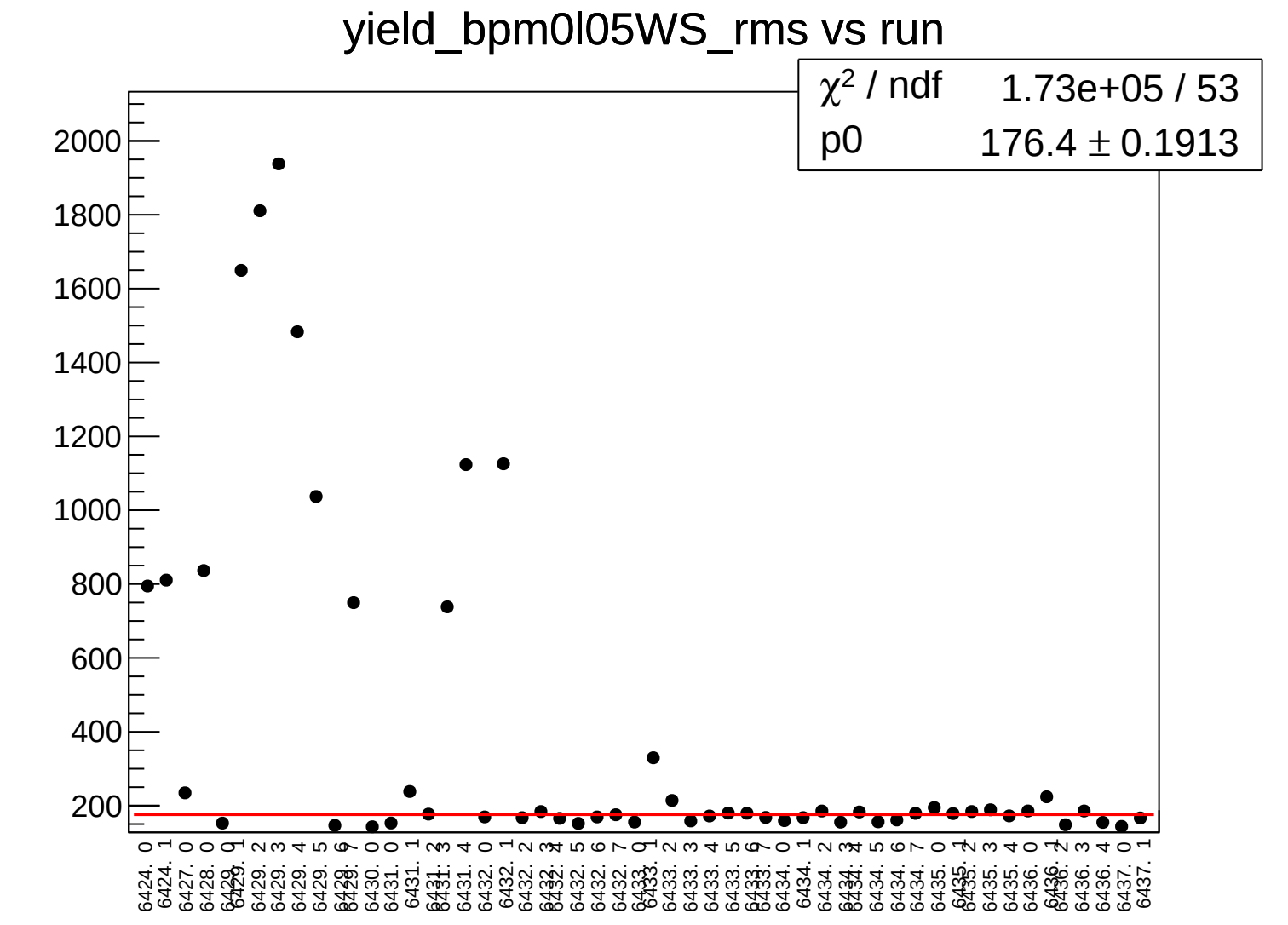

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.013e+07 / 53
p0 1.378e+05 ± 0.3442
pull
Entries 54
Mean −87.74
Std Dev 0

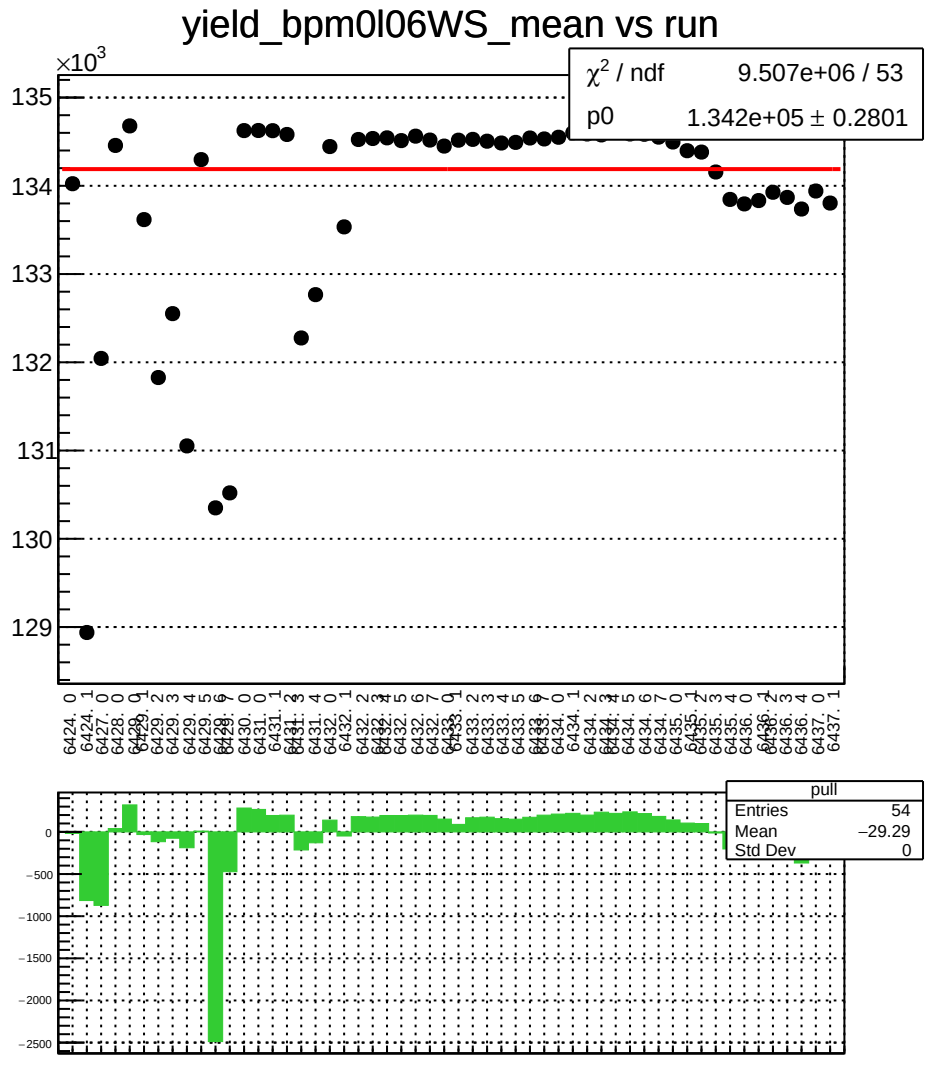

pull1D
Entries 54
Mean −0.2221
Std Dev 3.978

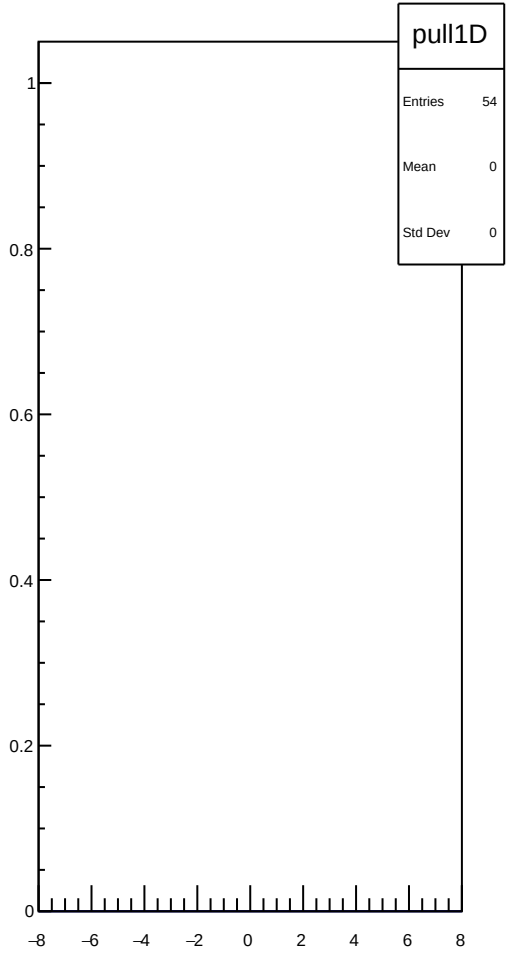

yield_bpm0l04WS_rms vs run
χ² / ndf 1.882e+05 / 53
p0 222.3 ± 0.2434
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

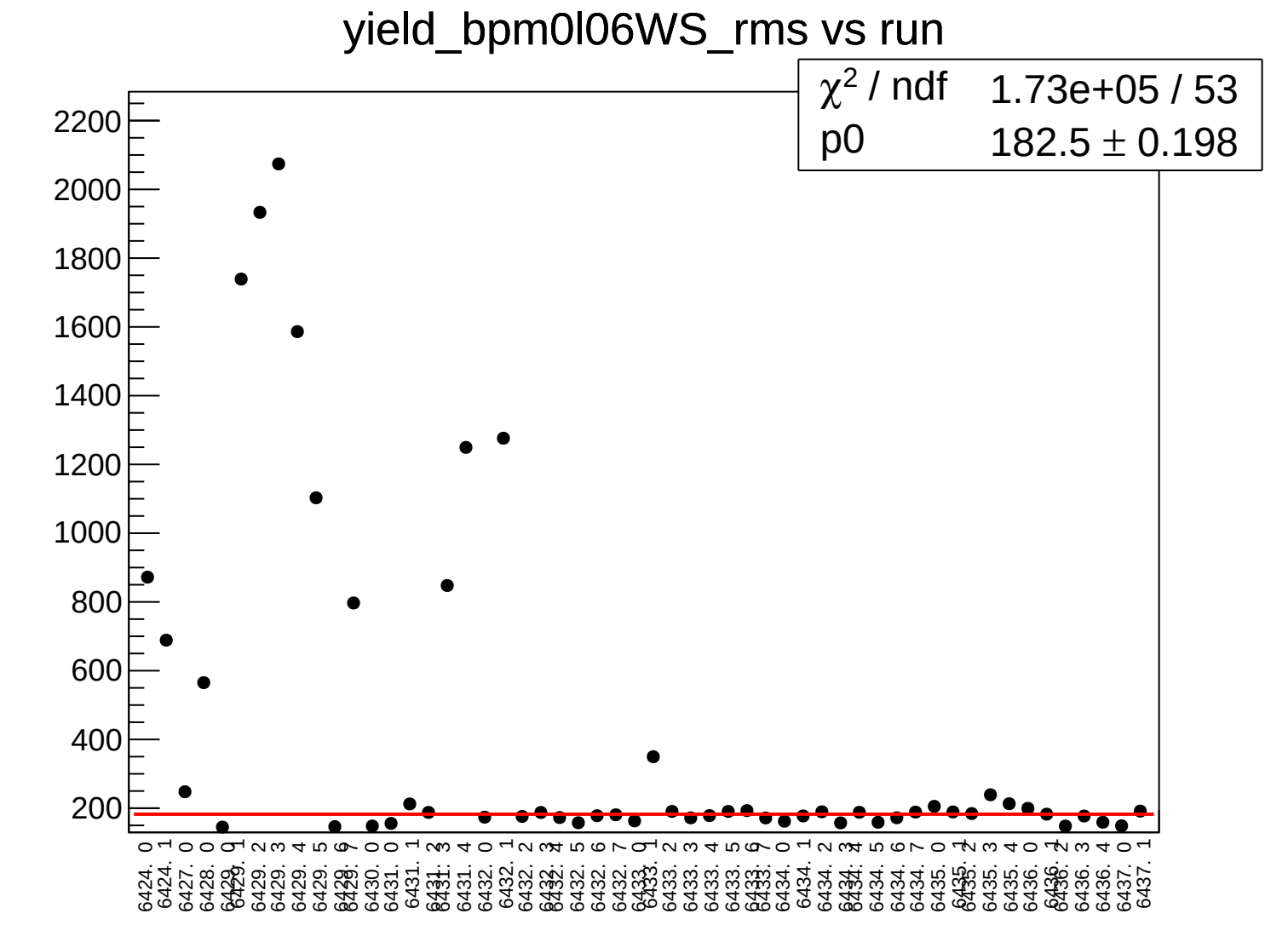

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.109e+07 / 53
p0 1.272e+05 ± 0.2706
128
127
126
125
124
123
122
121
120
pull
Entries 54
Mean −46.7
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

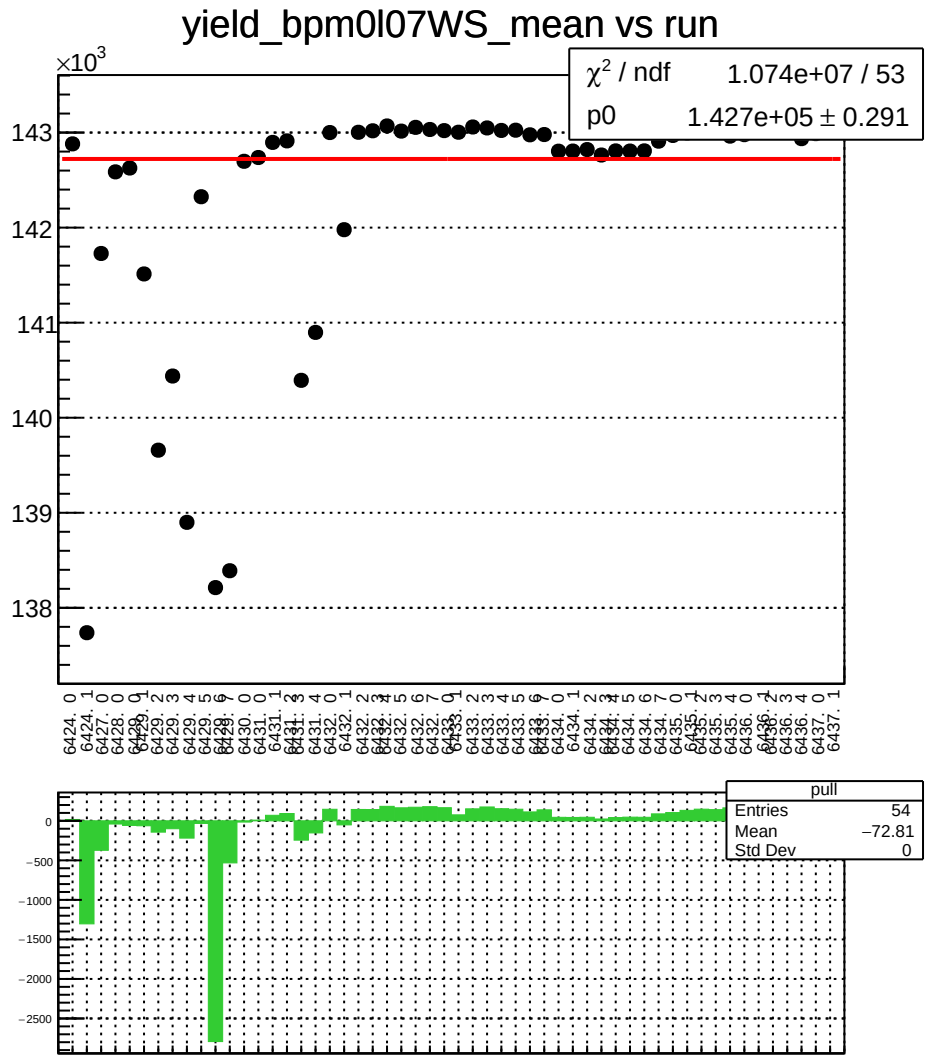

pull1D
Entries 54
Mean −6.246
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

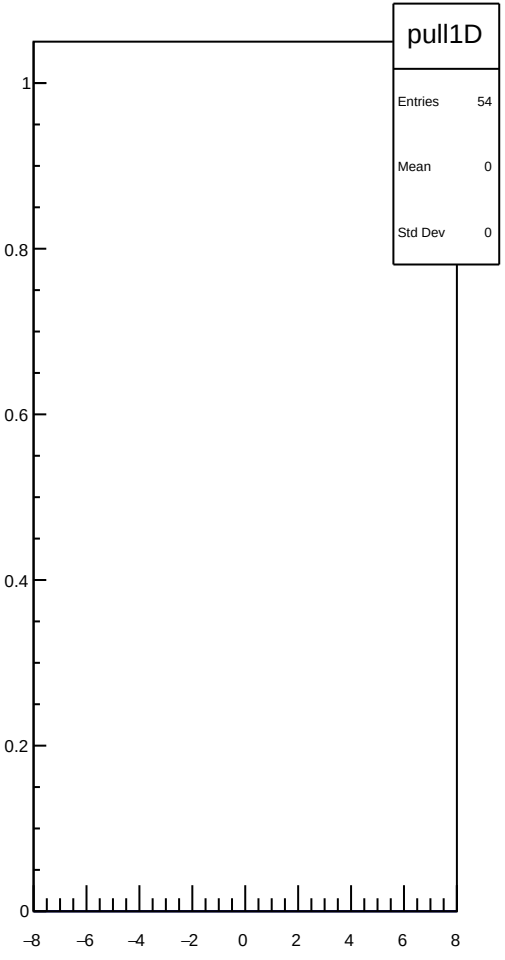

yield_bpm0l05WS_rms vs run
χ² / ndf 1.73e+05 / 53
p0 176.4 ± 0.1913
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

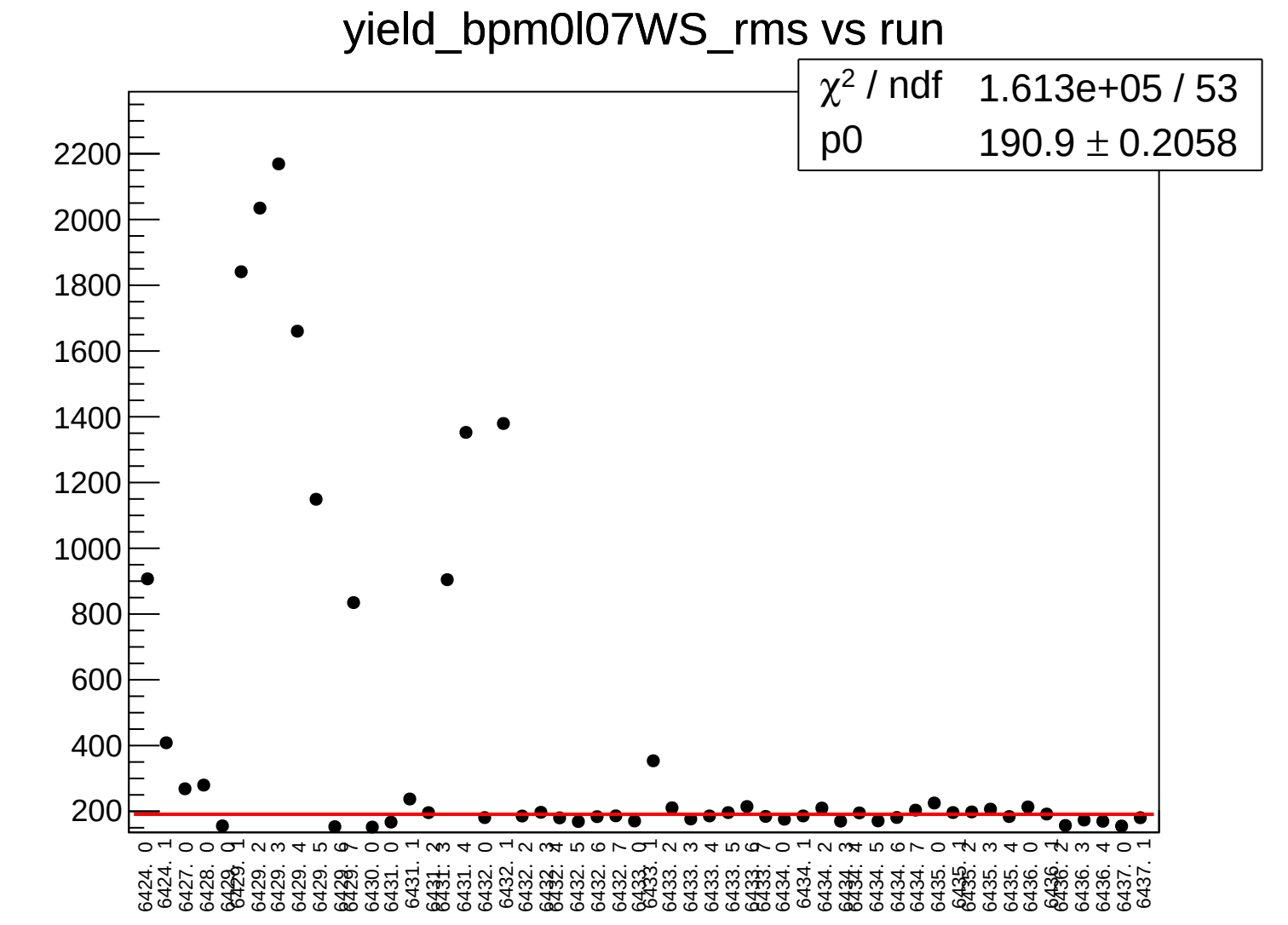

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 9.507e+06 / 53
p0 1.342e+05 ± 0.2801
135
134
133
132
131
130
129
pull
Entries 54
Mean −29.29
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

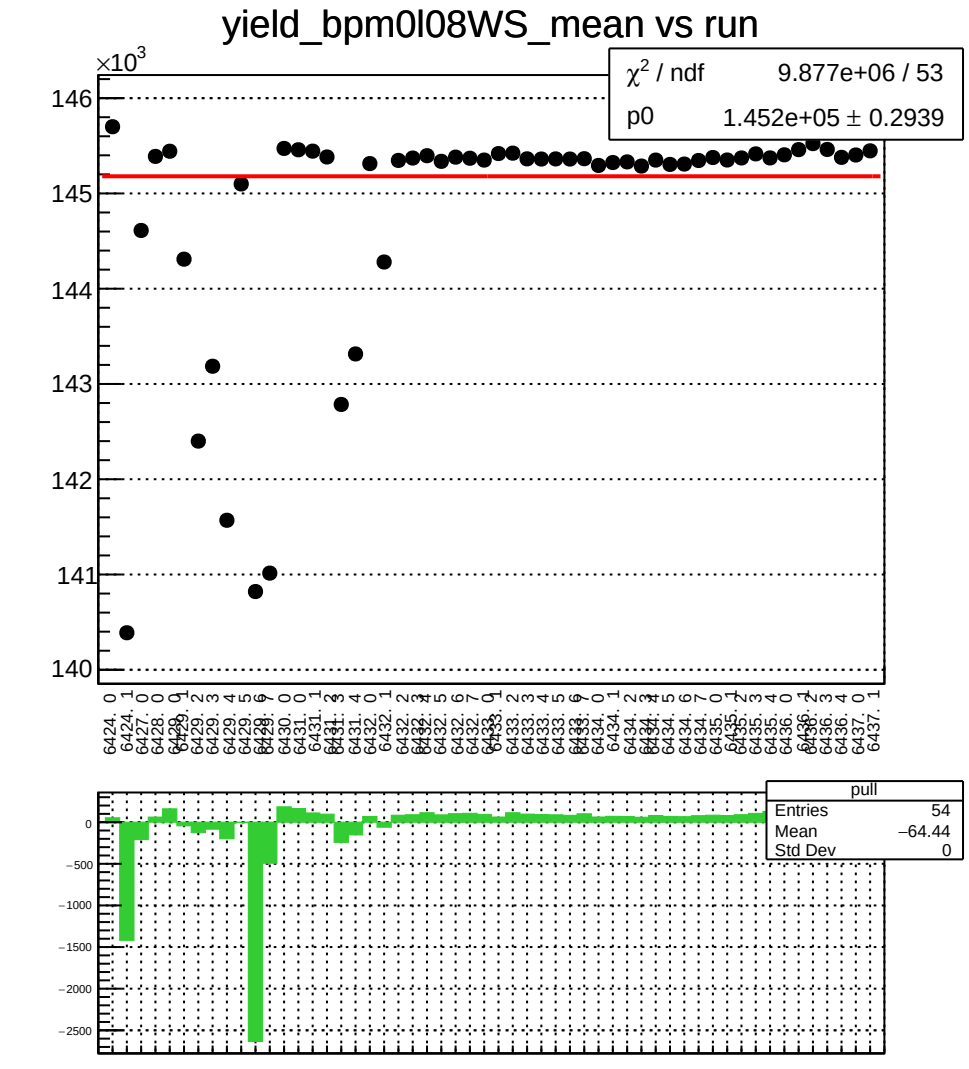

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

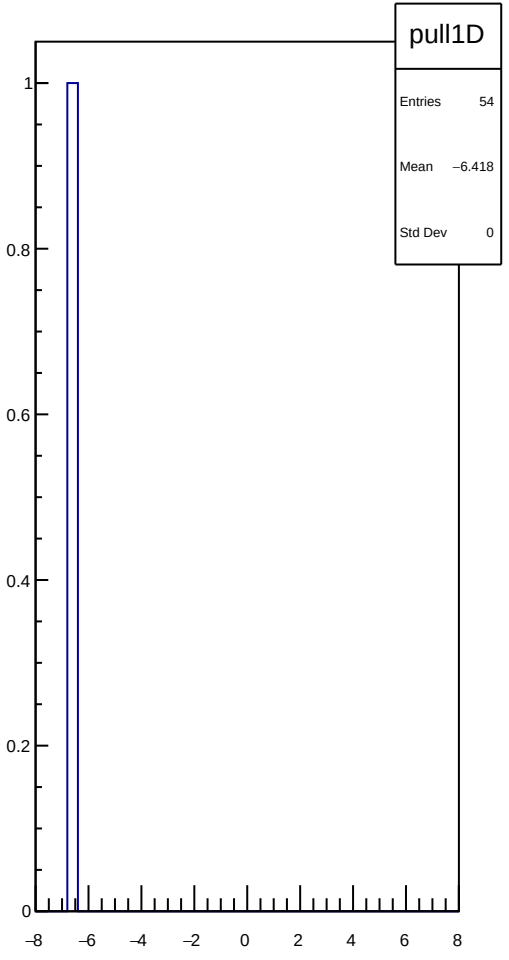

yield_bpm0l06WS_rms vs run
χ² / ndf 1.73e+05 / 53
p0 182.5 ± 0.198
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

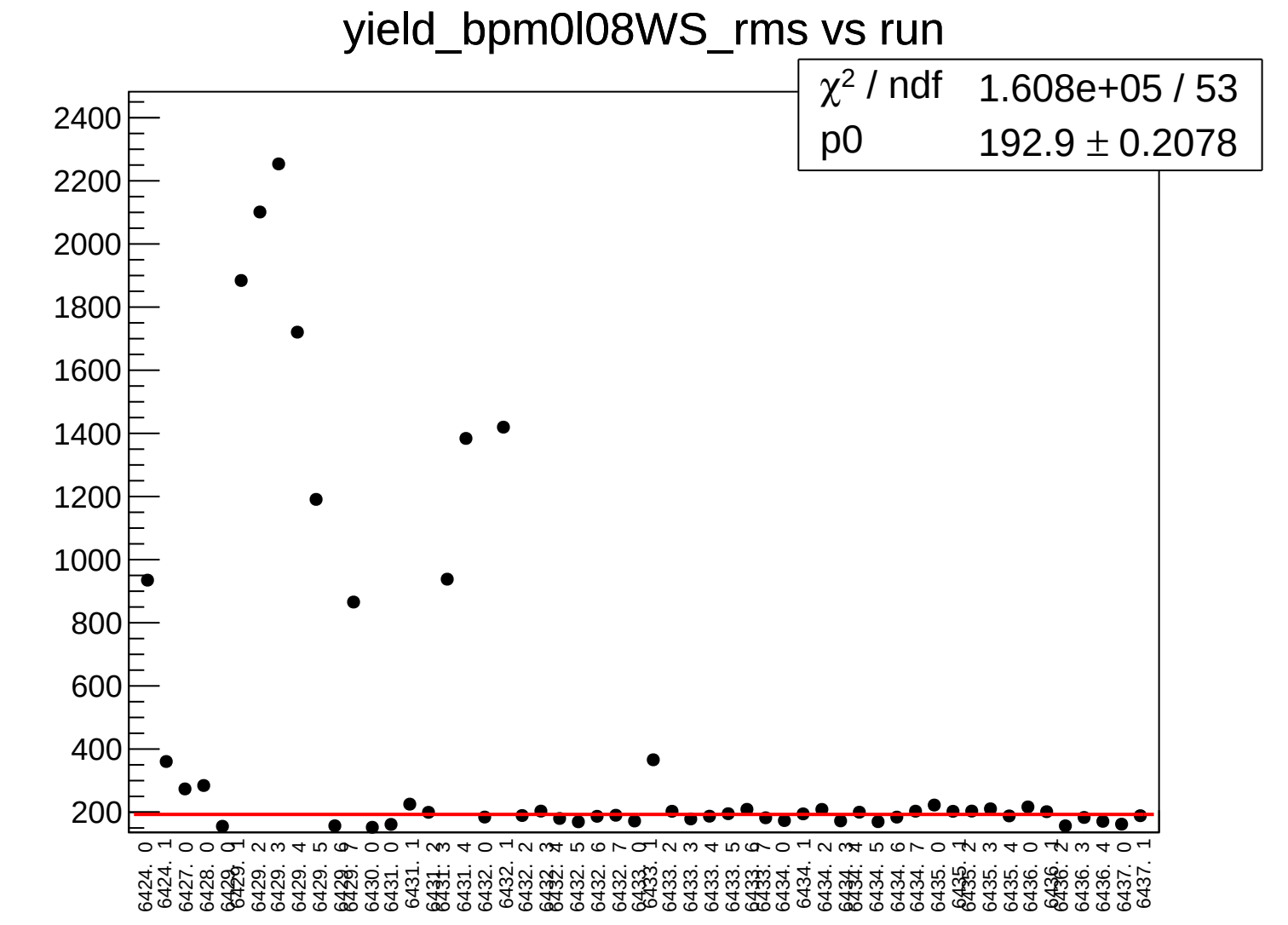

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.074e+07 / 53
p0 1.427e+05 ± 0.291
143
142
141
140
139
138
pull
Entries 54
Mean −72.81
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

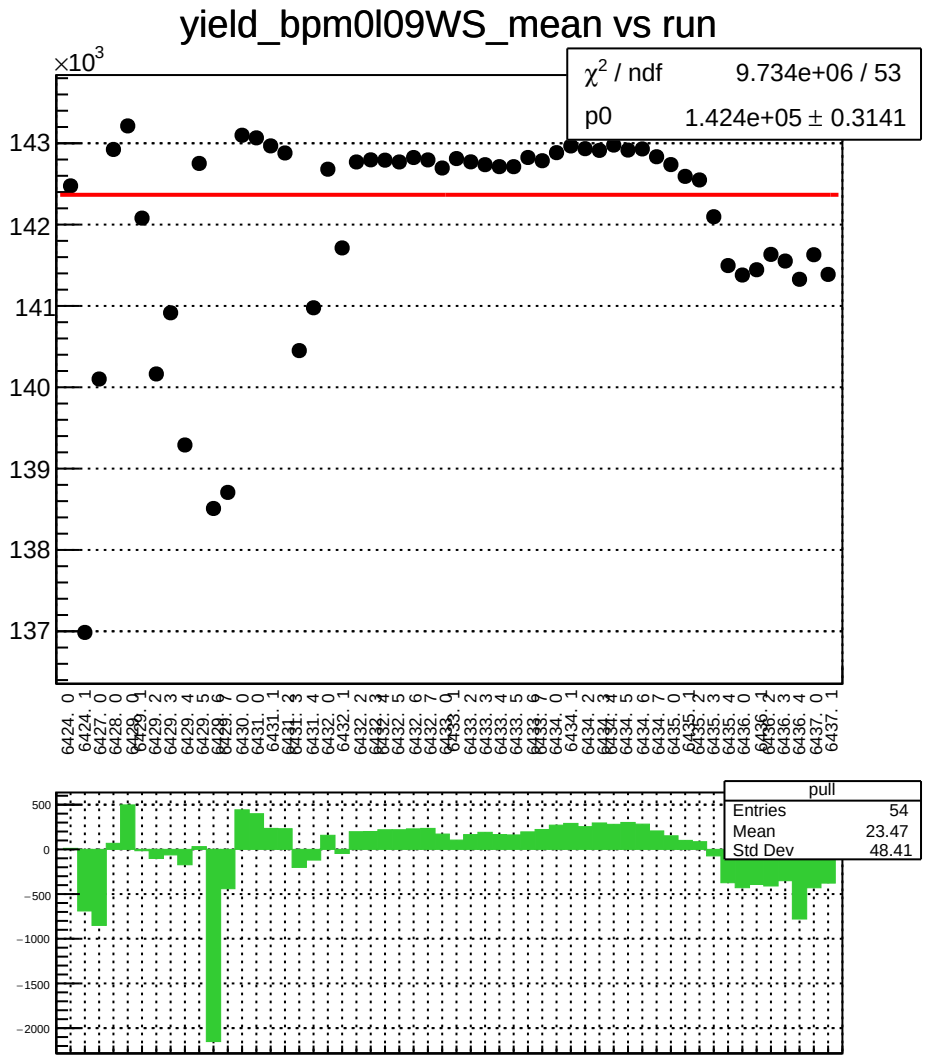

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

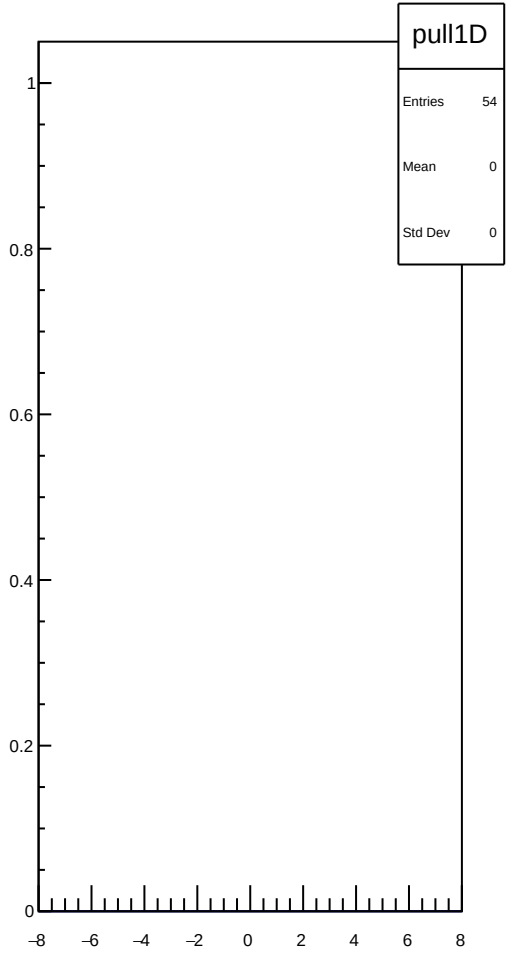

yield_bpm0l07WS_rms vs run
χ² / ndf 1.613e+05 / 53
p0 190.9 ± 0.2058
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

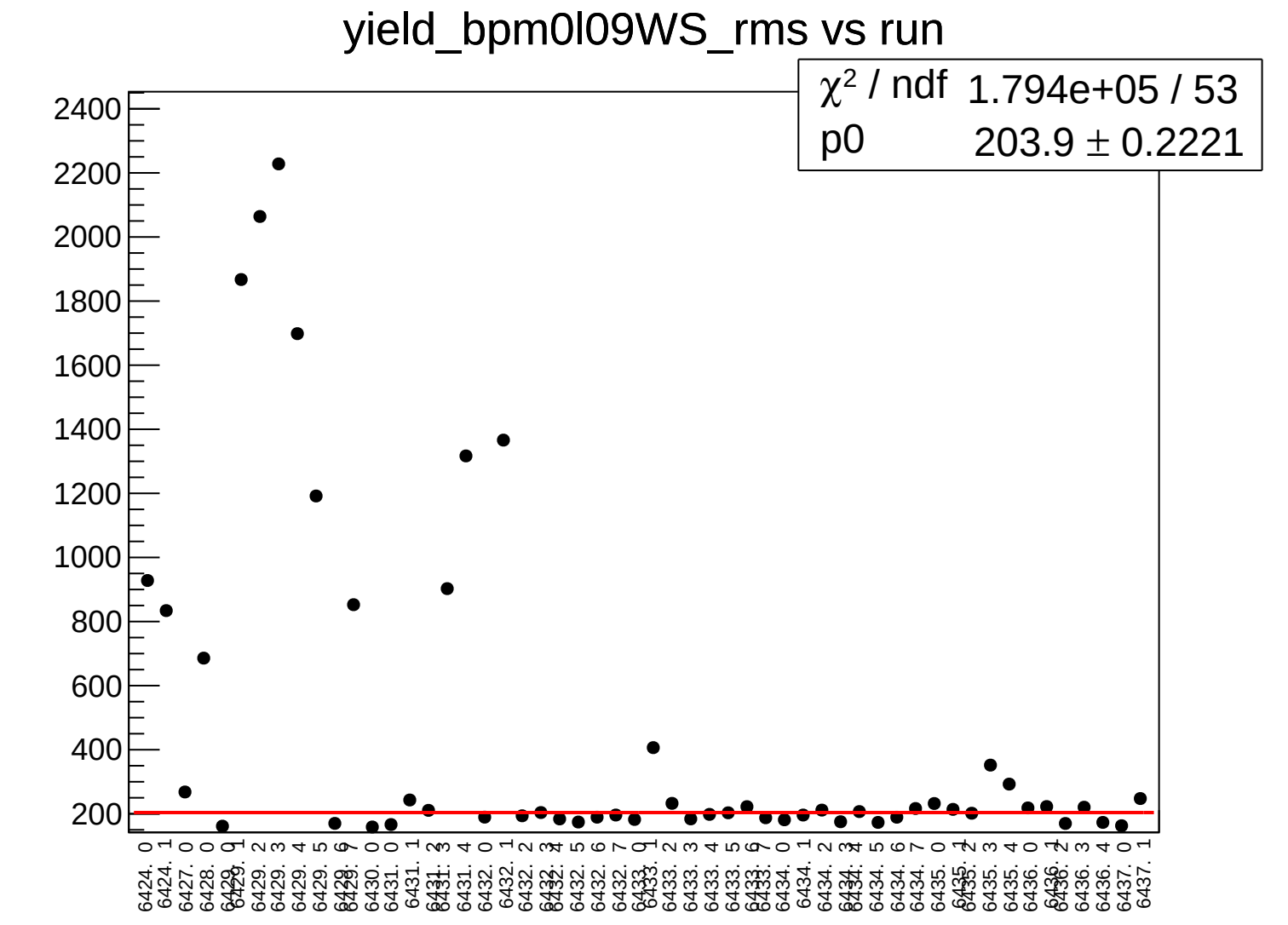

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 9.877e+06 / 53
p0 1.452e+05 ± 0.2939
146
145
144
143
142
141
140
pull
Entries 54
Mean −64.44
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

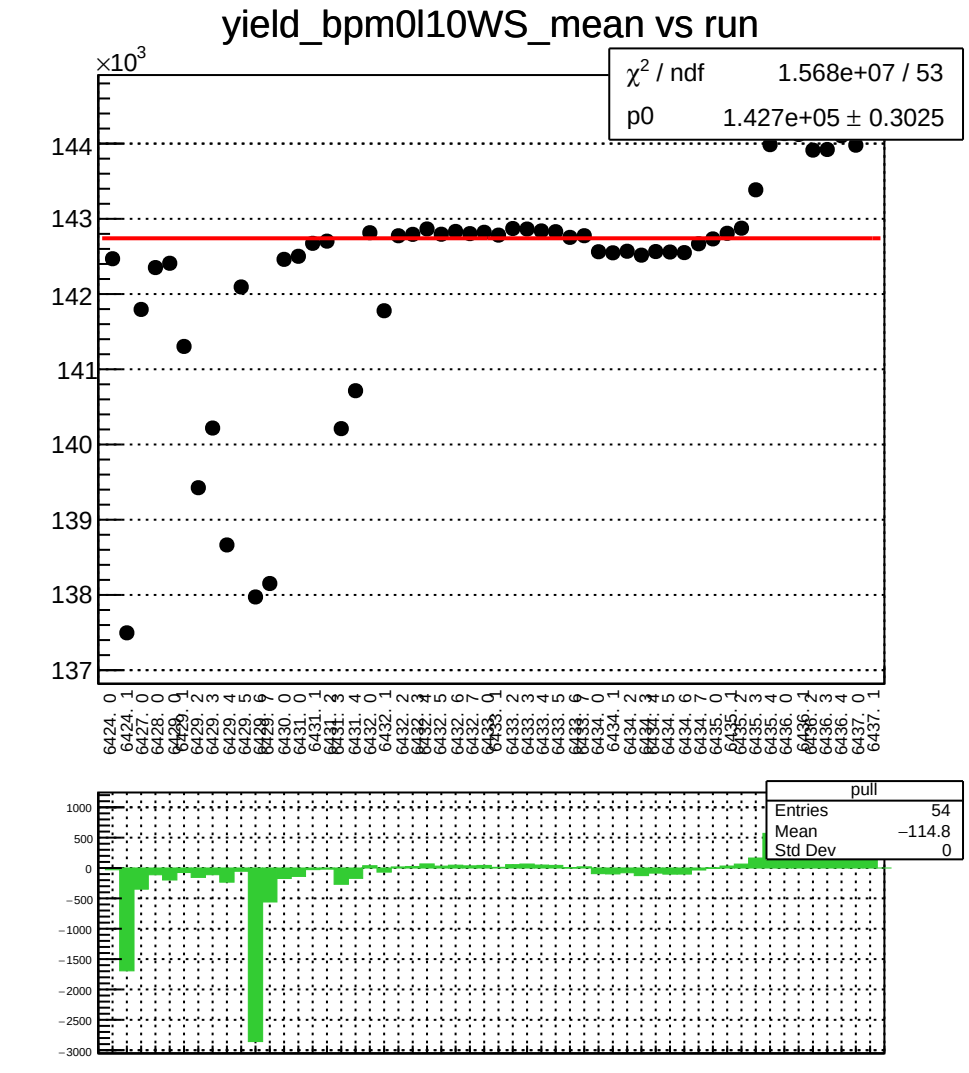

pull1D
Entries 54
Mean −6.418
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

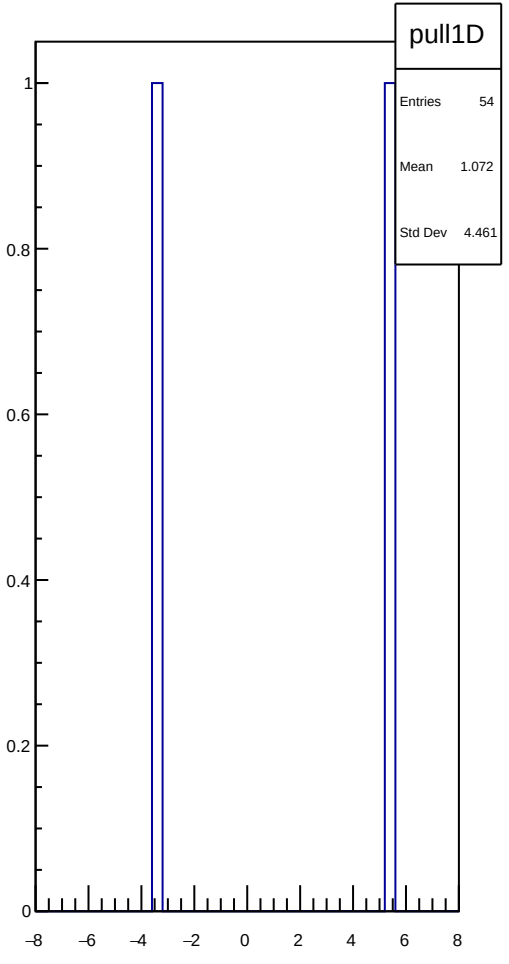

yield_bpm0l08WS_rms vs run
χ² / ndf 1.608e+05 / 53
p0 192.9 ± 0.2078
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

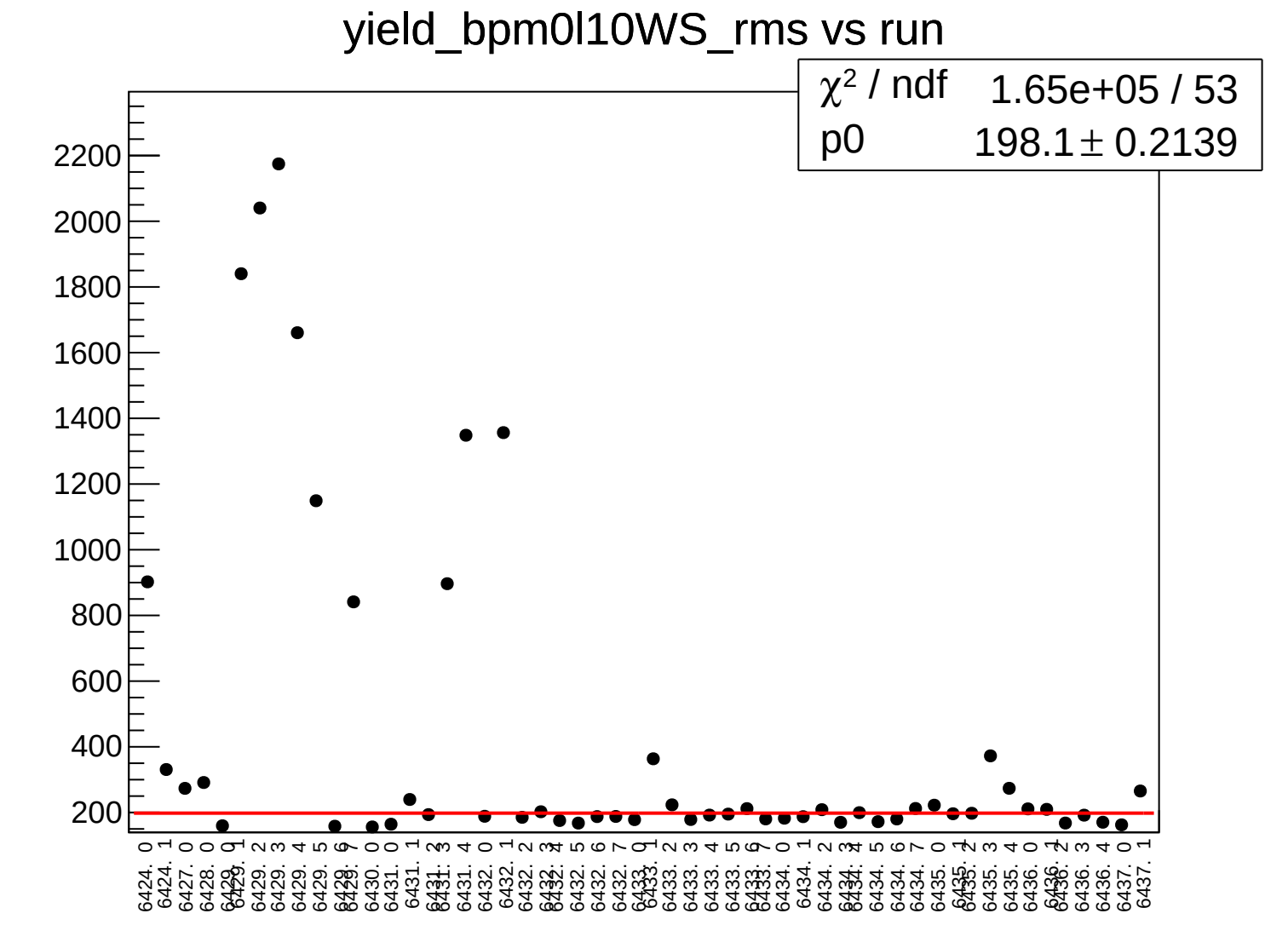

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 9.734e+06 / 53
p0 1.424e+05 ± 0.3141
143
142
141
140
139
138
137
pull
Entries 54
Mean 23.47
Std Dev 48.41
500
0
−500
−1000
−1500
−2000

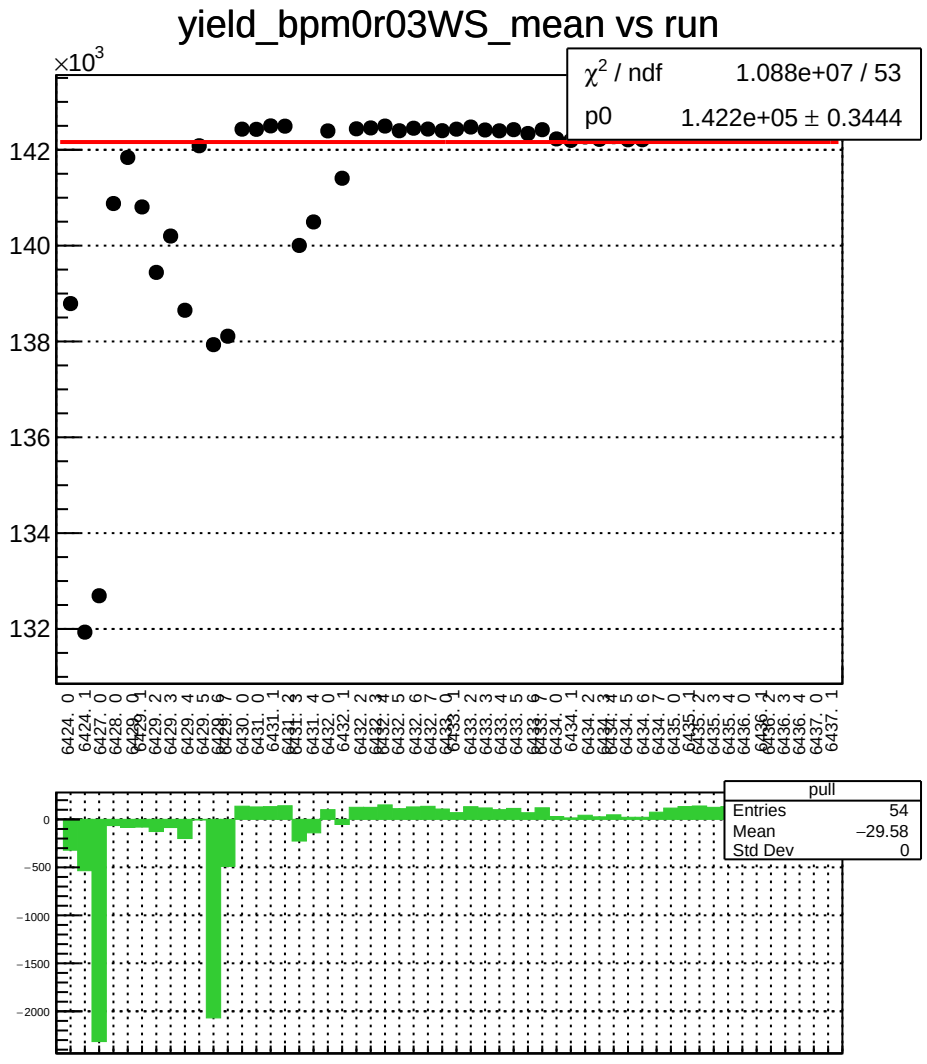

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

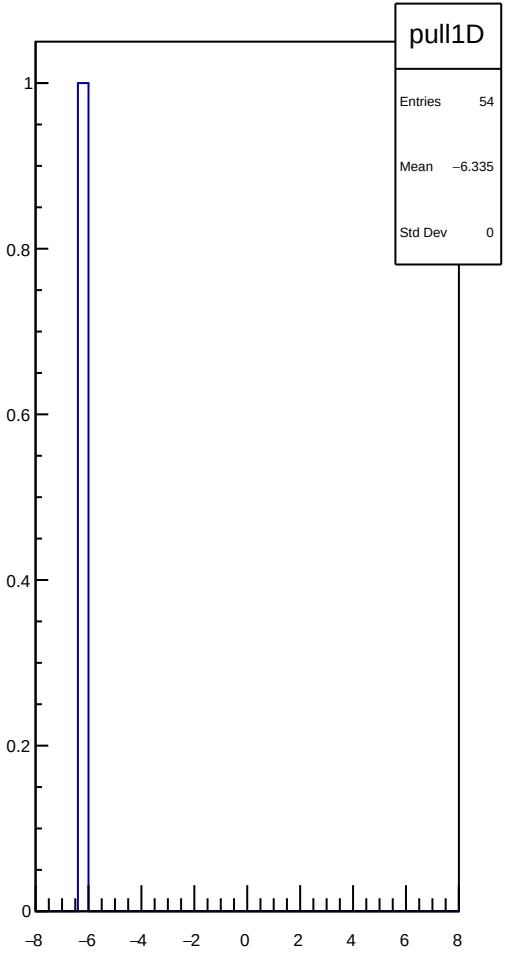

yield_bpm0l09WS_rms vs run
χ² / ndf 1.794e+05 / 53
p0 203.9 ± 0.2221
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

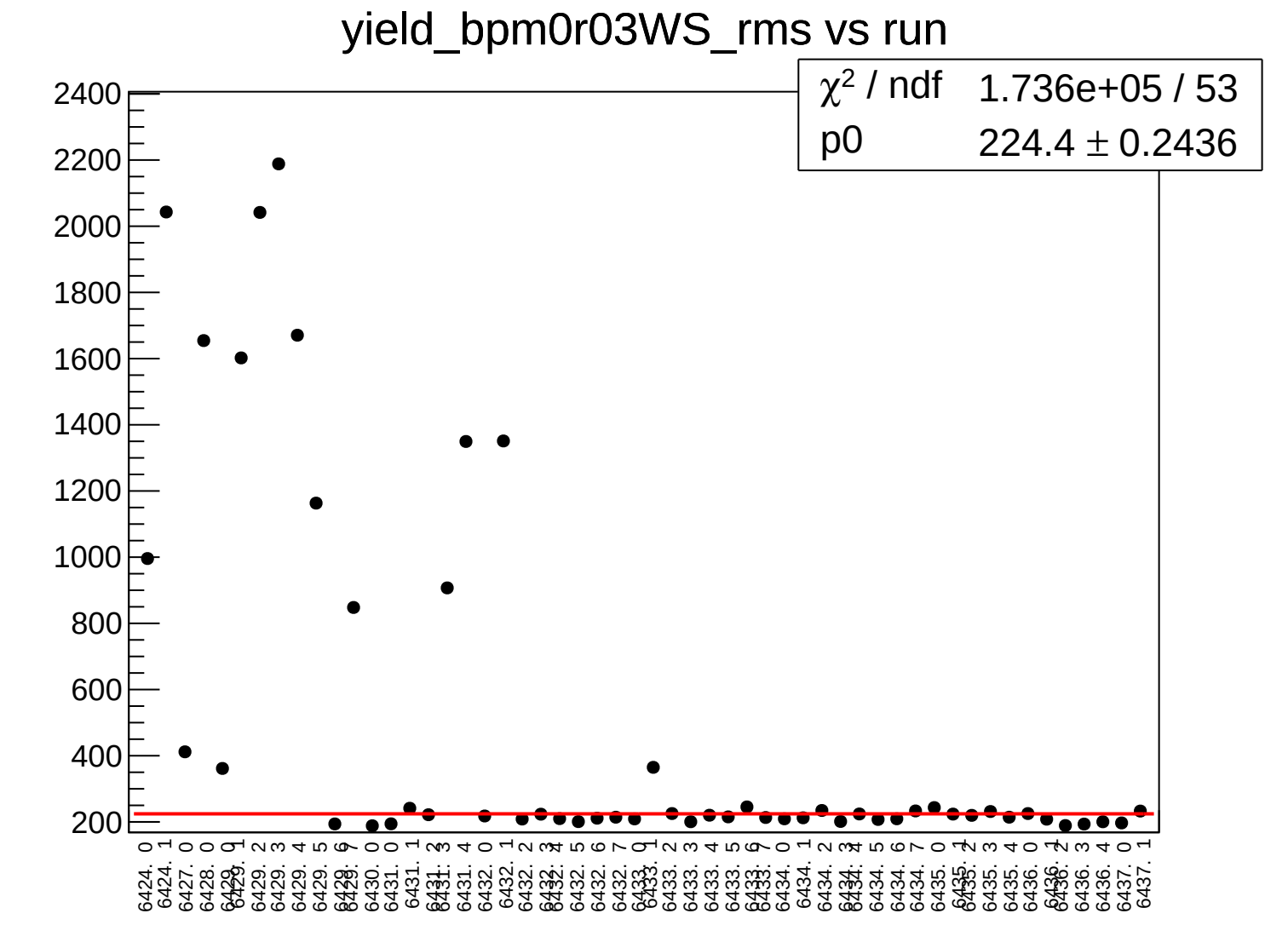

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.568e+07 / 53
p0 1.427e+05 ± 0.3025
144
143
142
141
140
139
138
137
pull
Entries 54
Mean −114.8
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000

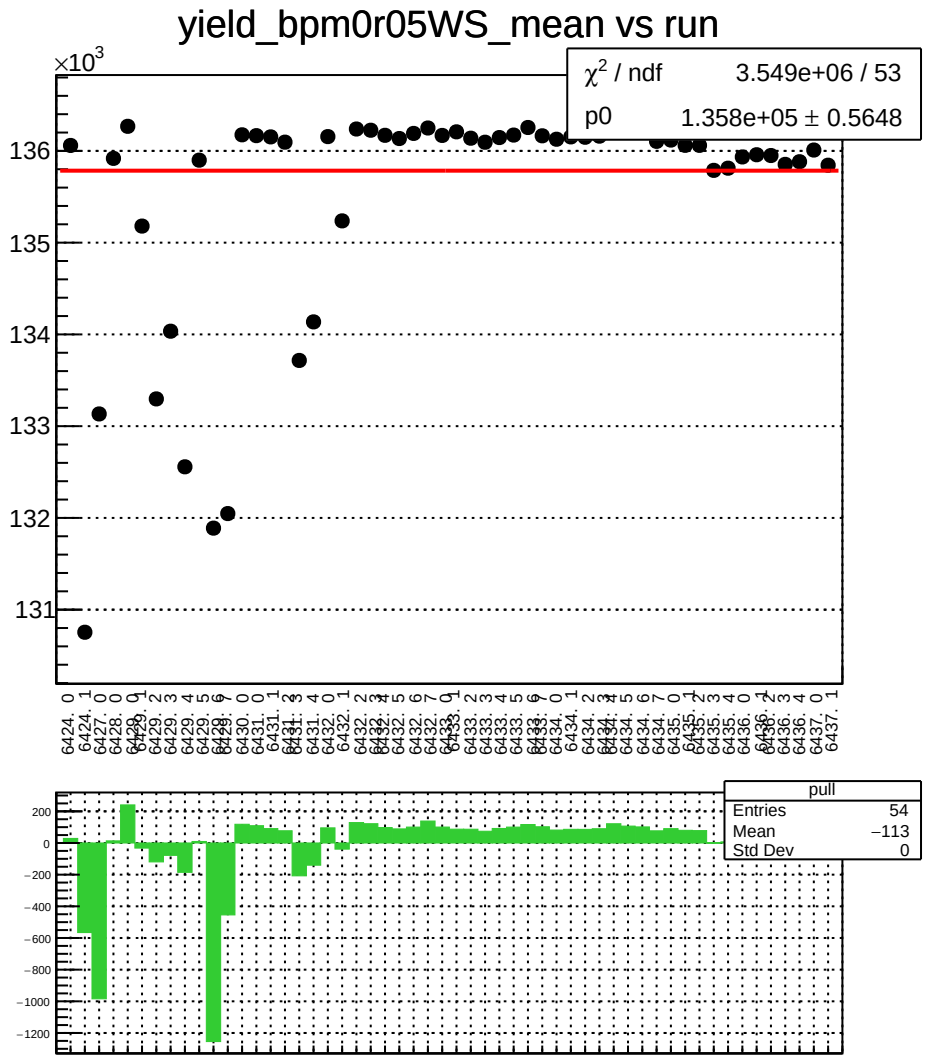

pull1D
Entries 54
Mean 1.072
Std Dev 4.461
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

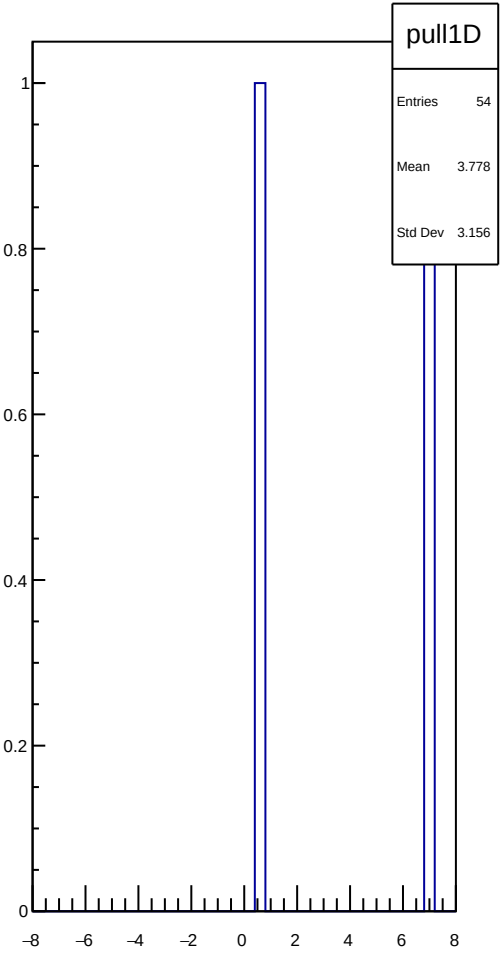

yield_bpm0l10WS_rms vs run
χ² / ndf 1.65e+05 / 53
p0 198.1 ± 0.2139
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

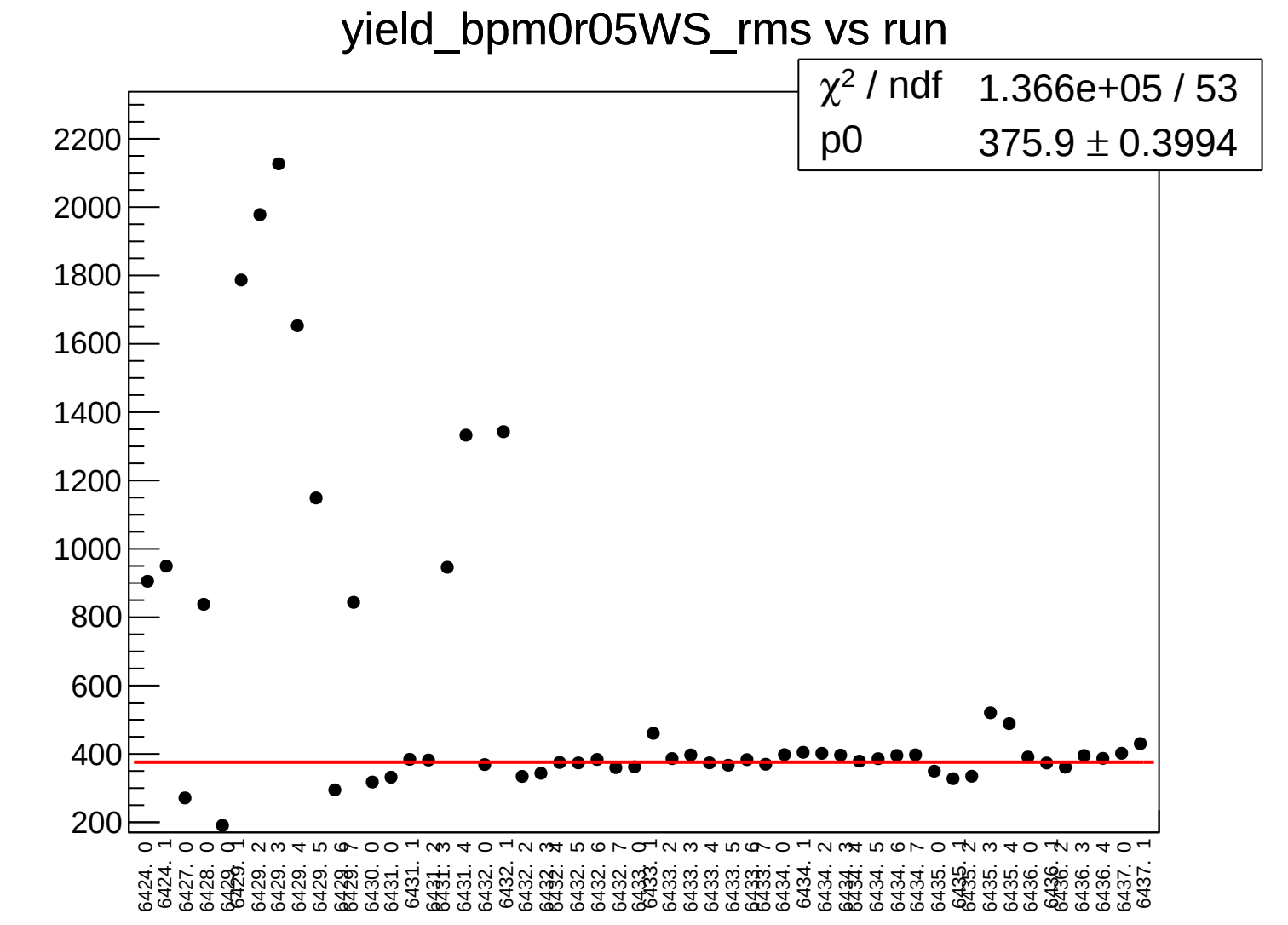

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 1.088e+07 / 53
p0 1.422e+05 ± 0.3444
142
140
138
136
134
132
pull
Entries 54
Mean −29.58
Std Dev 0
0
−500
−1000
−1500
−2000

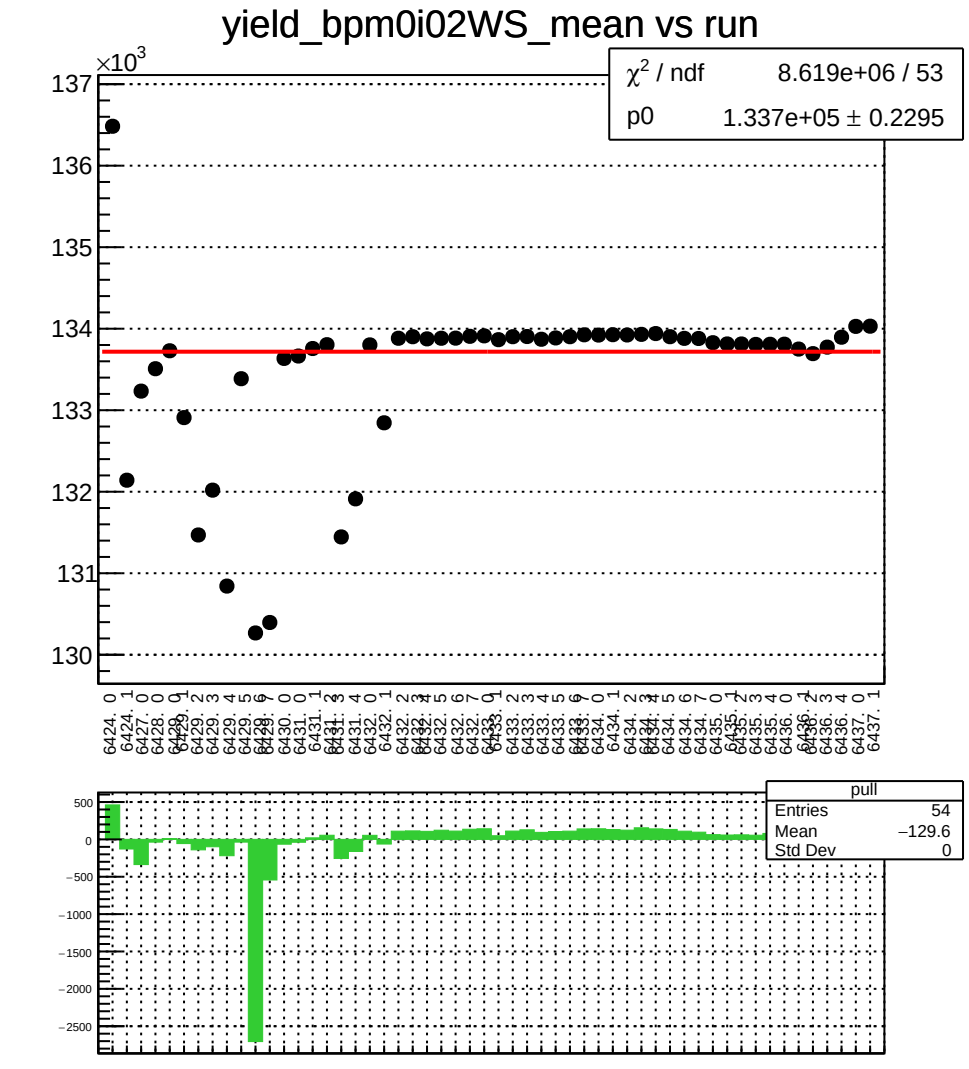

pull1D
Entries 54
Mean −6.335
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

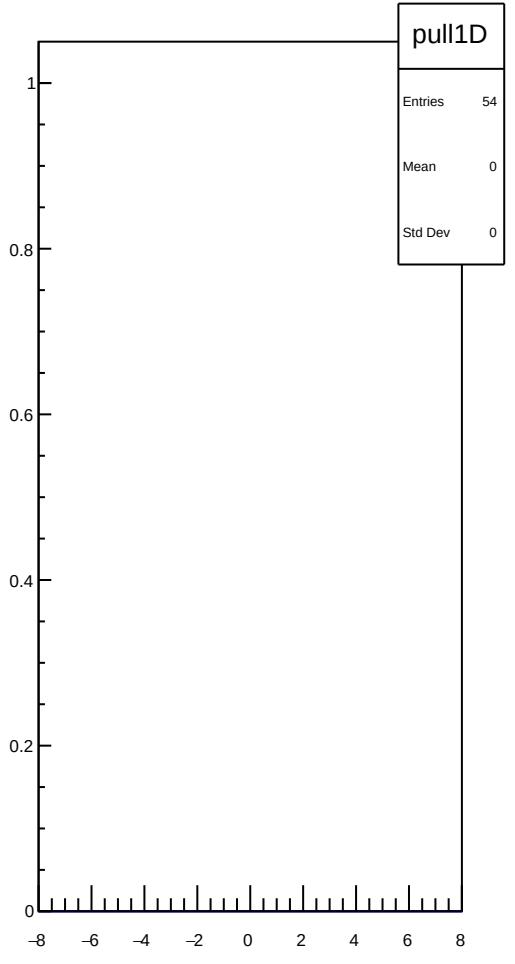

yield_bpm0r03WS_rms vs run
χ² / ndf 1.736e+05 / 53
p0 224.4 ± 0.2436
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

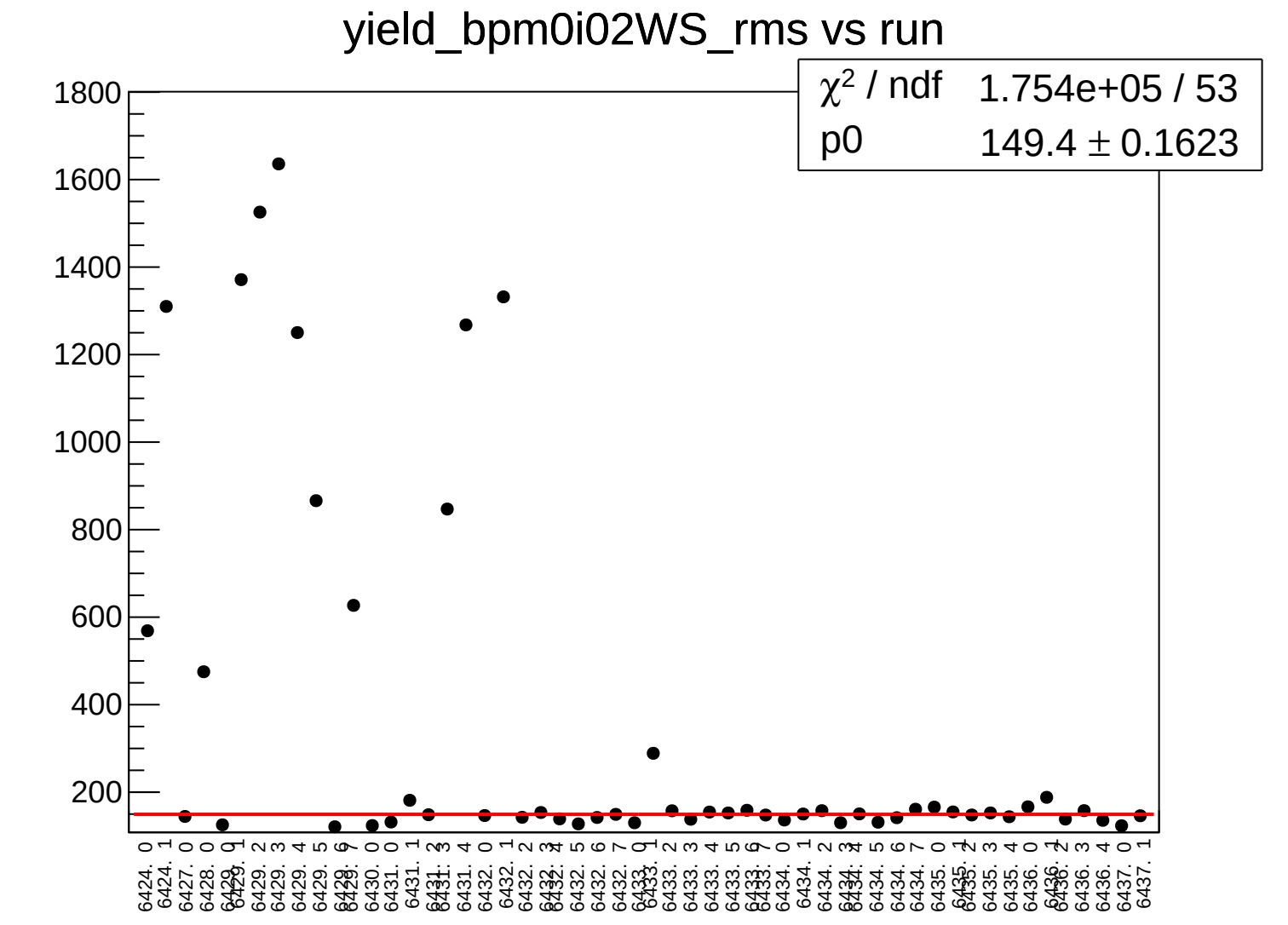

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 3.549e+06 / 53
p0 1.358e+05 ± 0.5648
136
135
134
133
132
131
pull
Entries 54
Mean −113
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

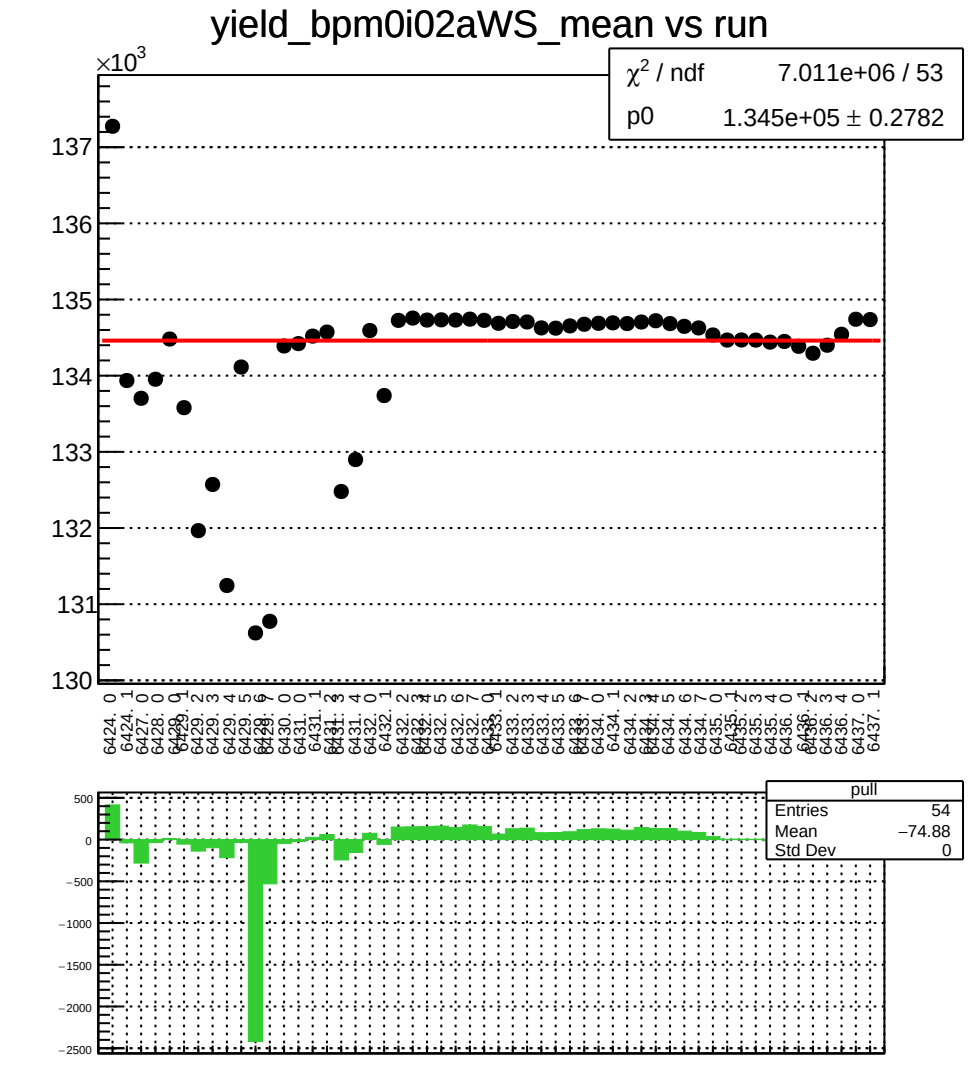

pull1D
Entries 54
Mean 3.778
Std Dev 3.156
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

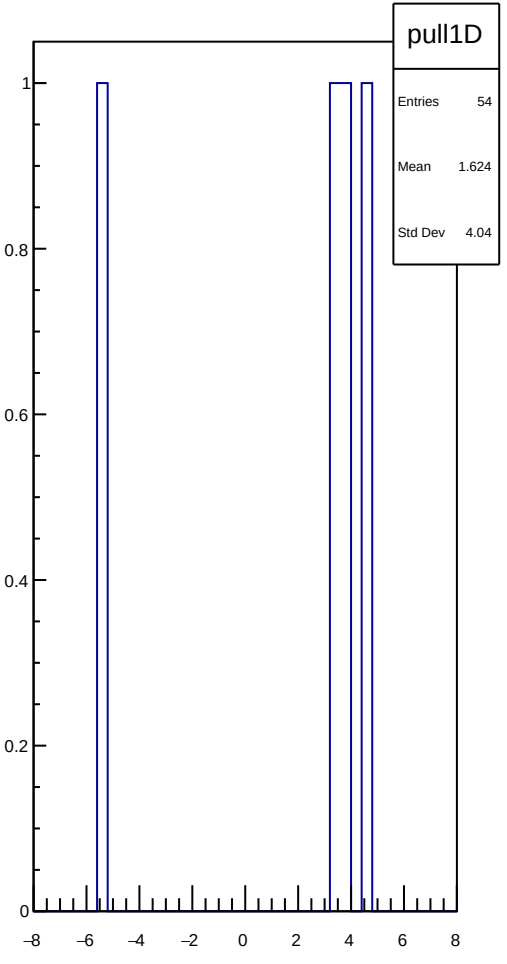

yield_bpm0r05WS_rms vs run
χ^2 / ndf 1.366e+05 / 53
p0 375.9 ± 0.3994
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

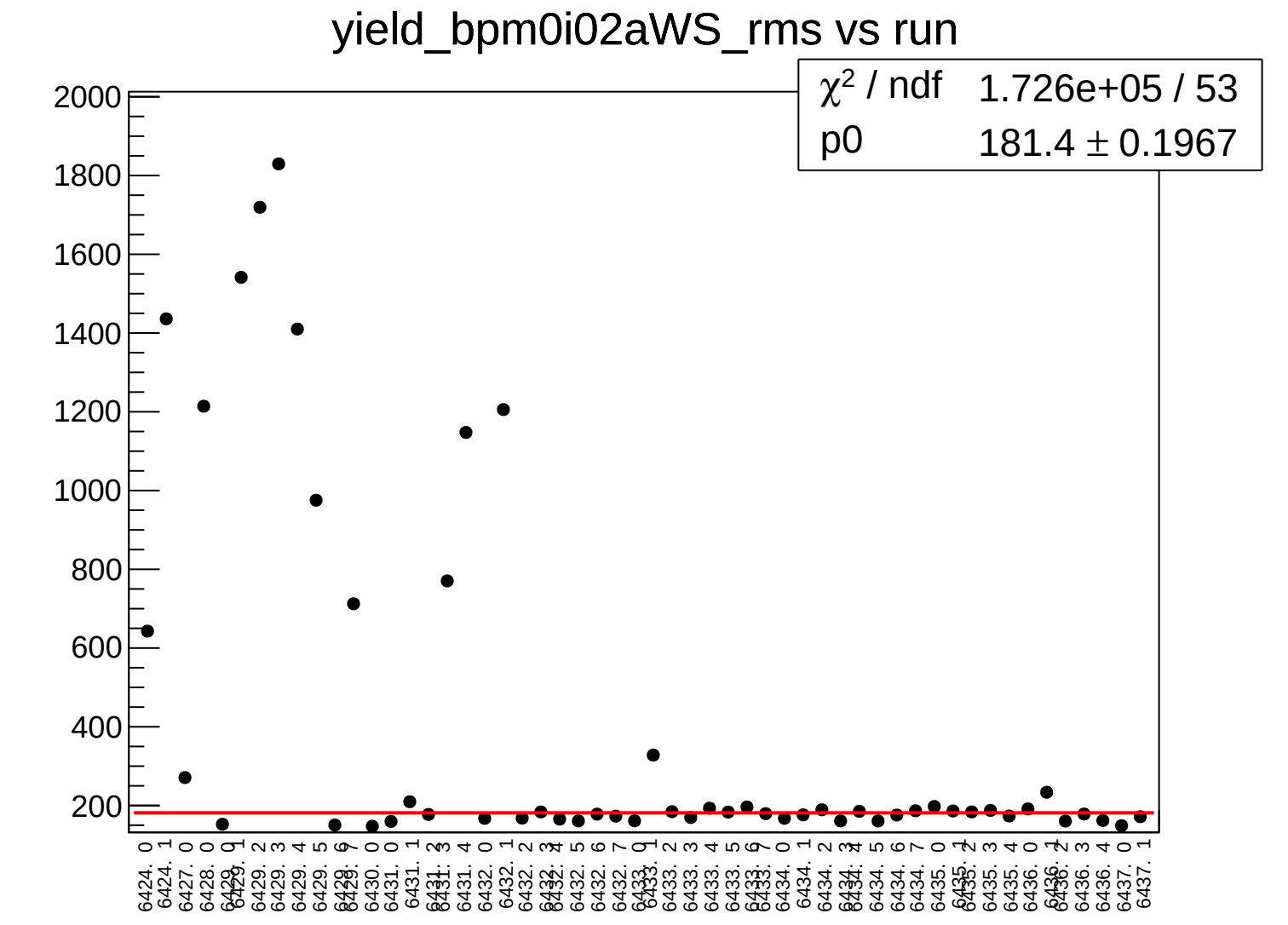

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 8.619e+06 / 53
p0 1.337e+05 ± 0.2295
137
136
135
134
133
132
131
130
pull
Entries 54
Mean −129.6
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

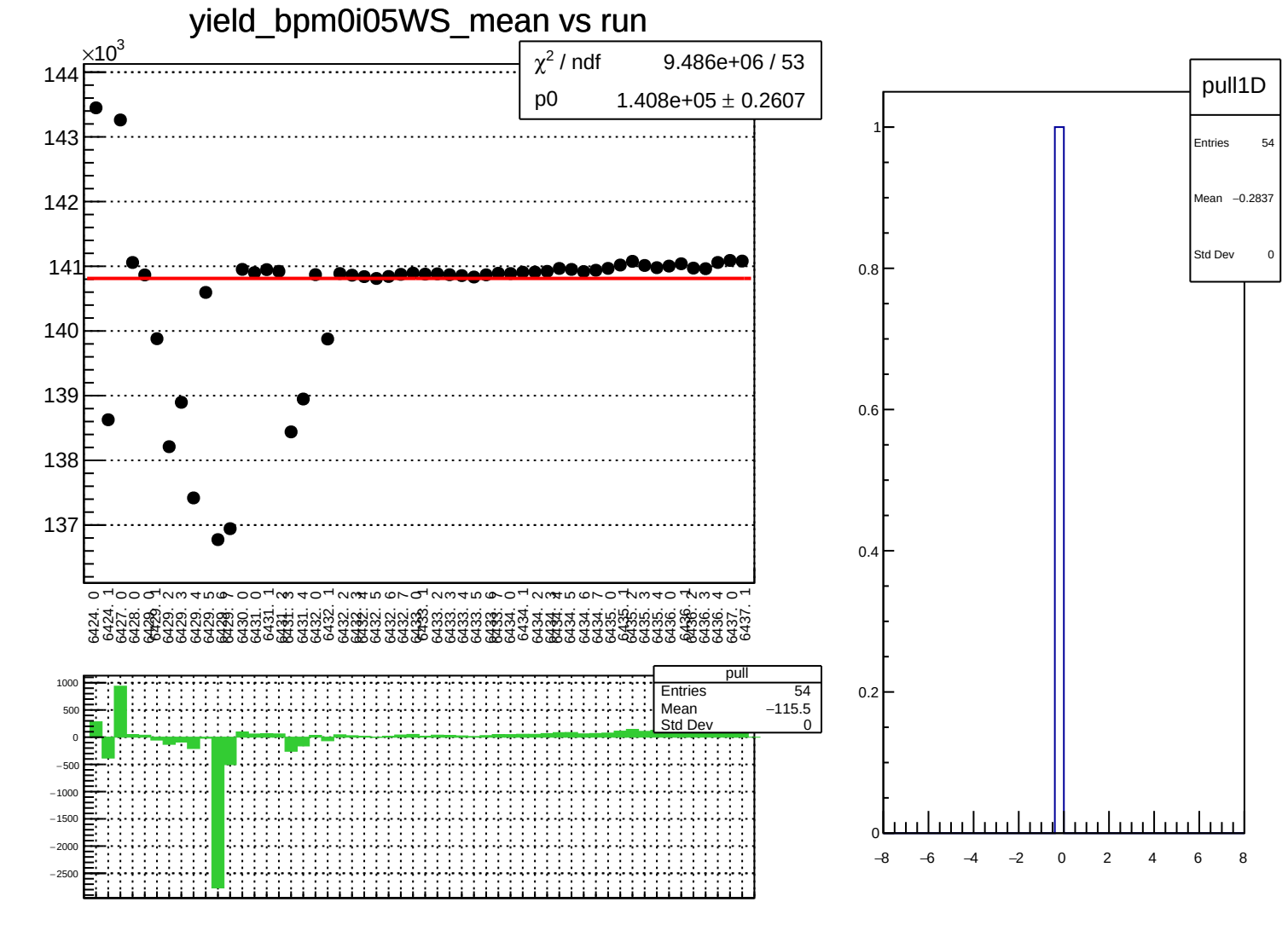

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

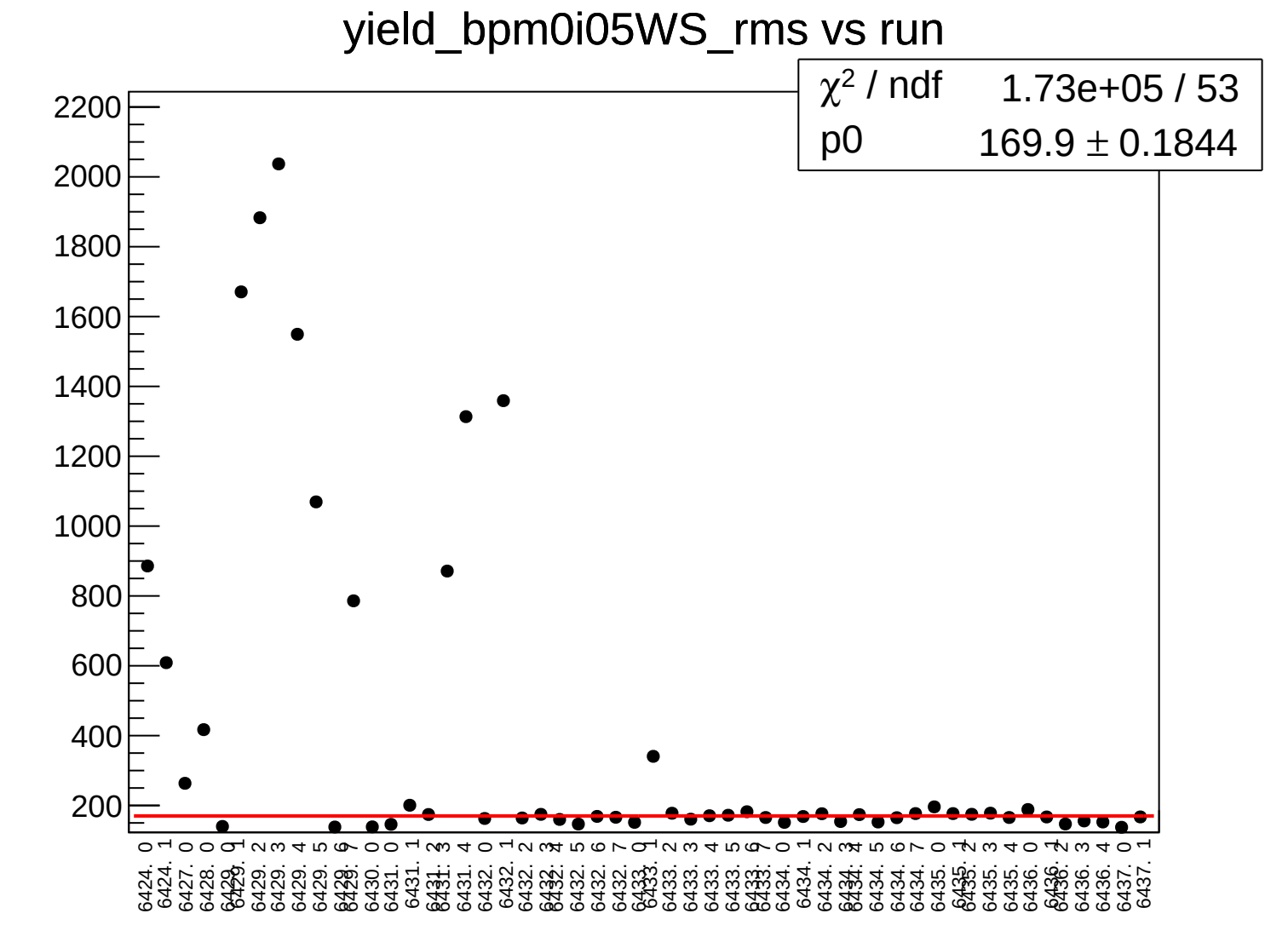

yield_bpm0i02WS_rms vs run
χ² / ndf 1.754e+05 / 53
p0 149.4 ± 0.1623
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

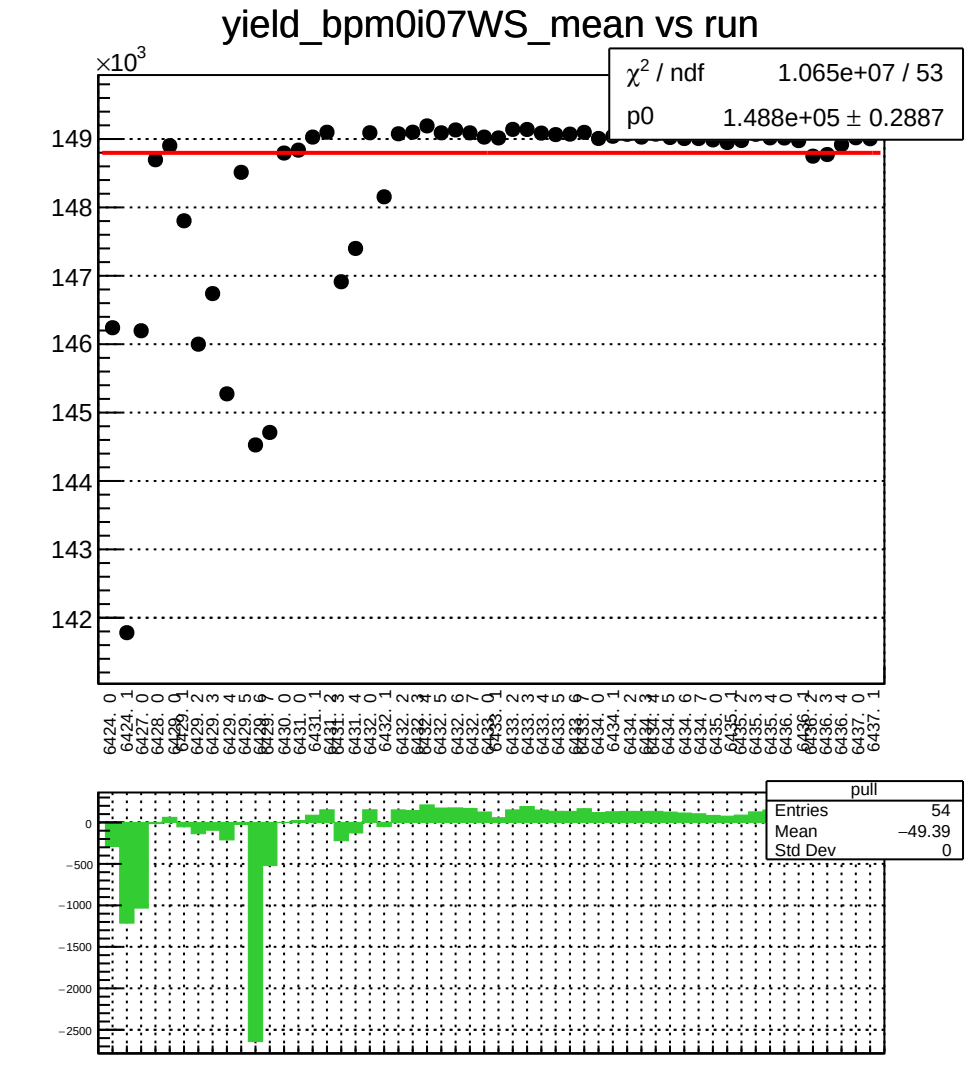

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 7.011e+06 / 53
p0 1.345e+05 ± 0.2782
137
136
135
134
133
132
131
130
pull
Entries 54
Mean −74.88
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

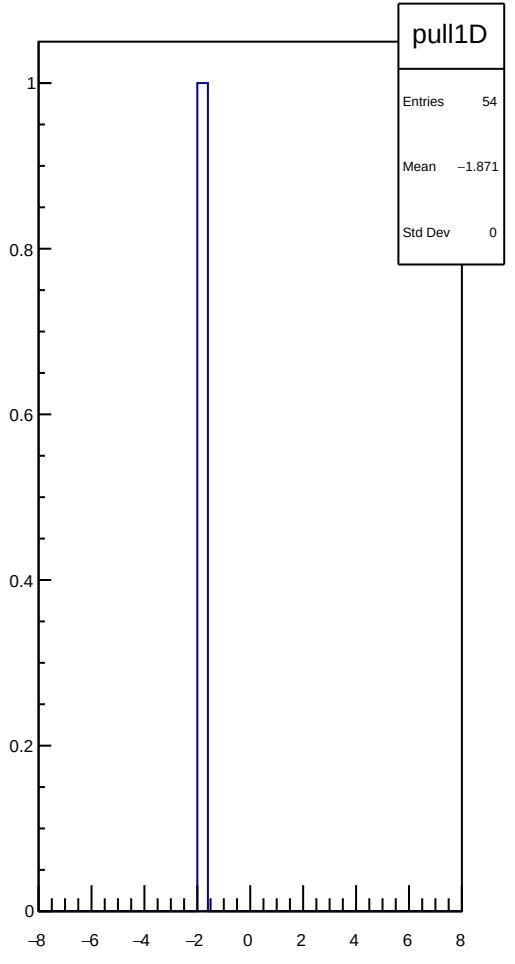

pull1D
Entries 54
Mean 1.624
Std Dev 4.04
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

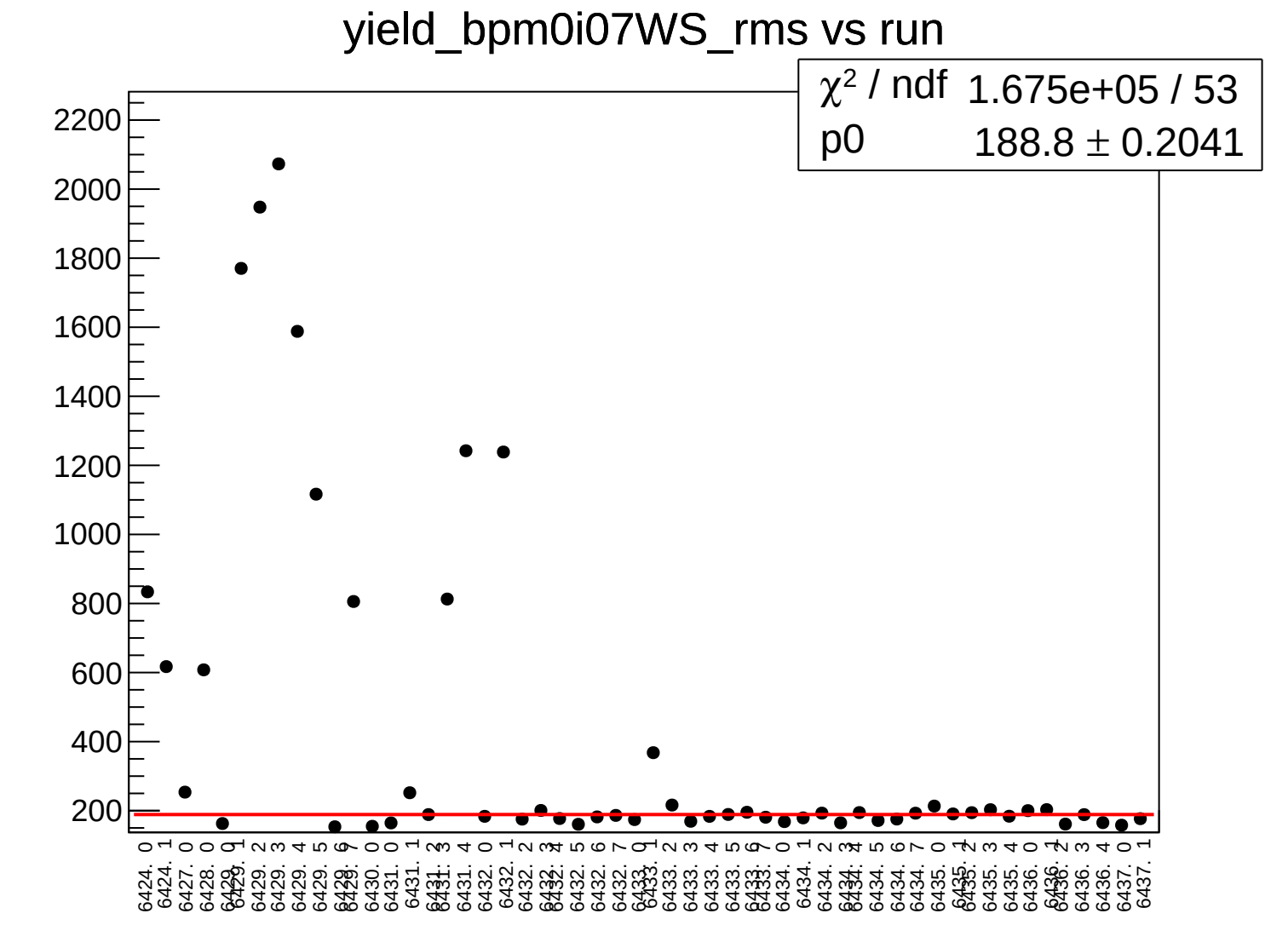

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.726e+05 / 53
p0 181.4 ± 0.1967
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

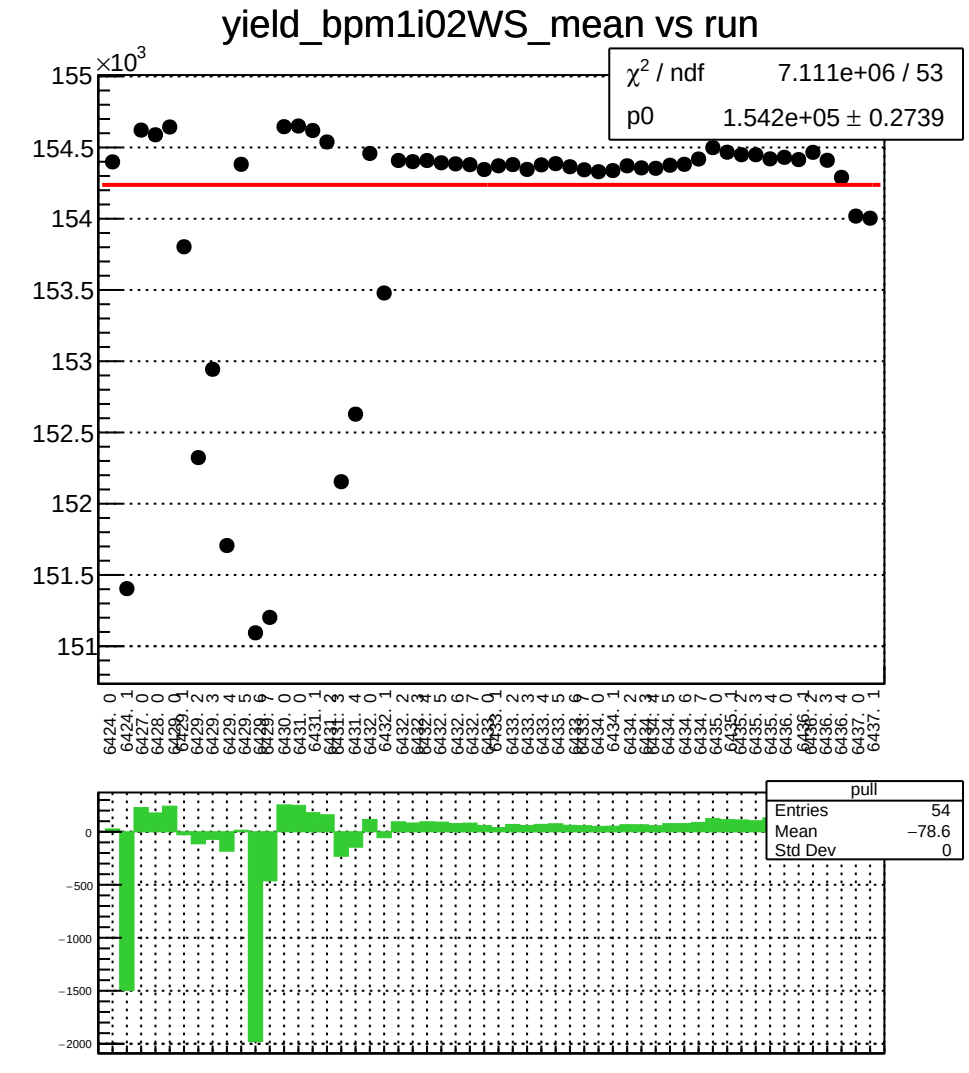

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 9.486e+06 / 53
p0 1.408e+05 ± 0.2607
144
143
142
141
140
139
138
137
pull
Entries 54
Mean −115.5
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 54
Mean −0.2837
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

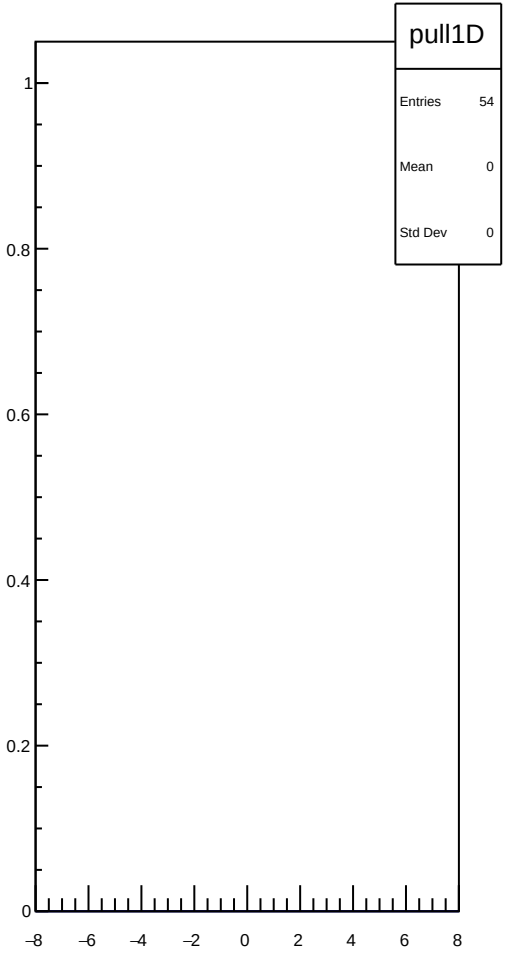

yield_bpm0i05WS_rms vs run
χ² / ndf 1.73e+05 / 53
p0 169.9 ± 0.1844
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

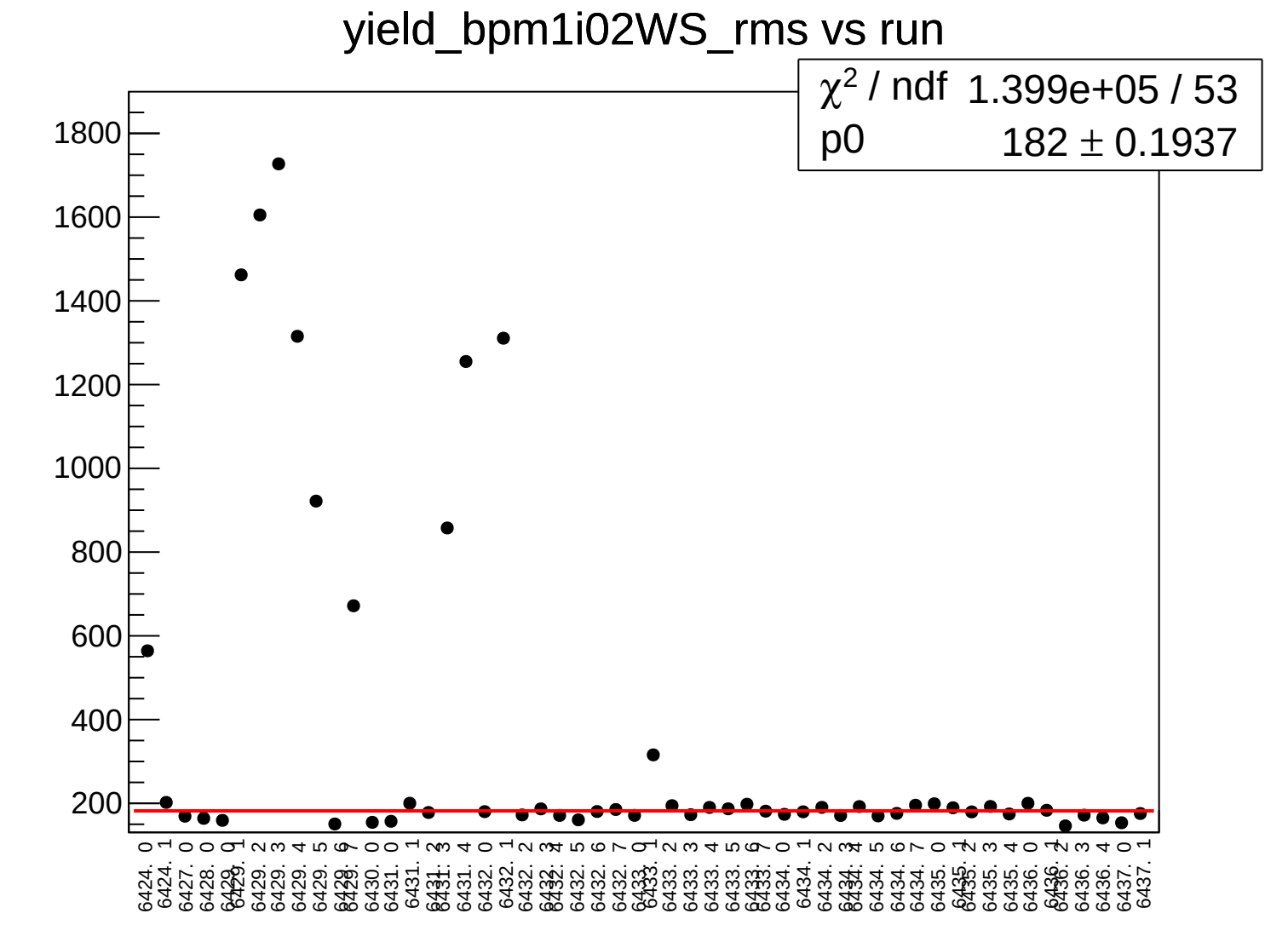

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.065e+07 / 53
p0 1.488e+05 ± 0.2887
149
148
147
146
145
144
143
142
pull
Entries 54
Mean −49.39
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

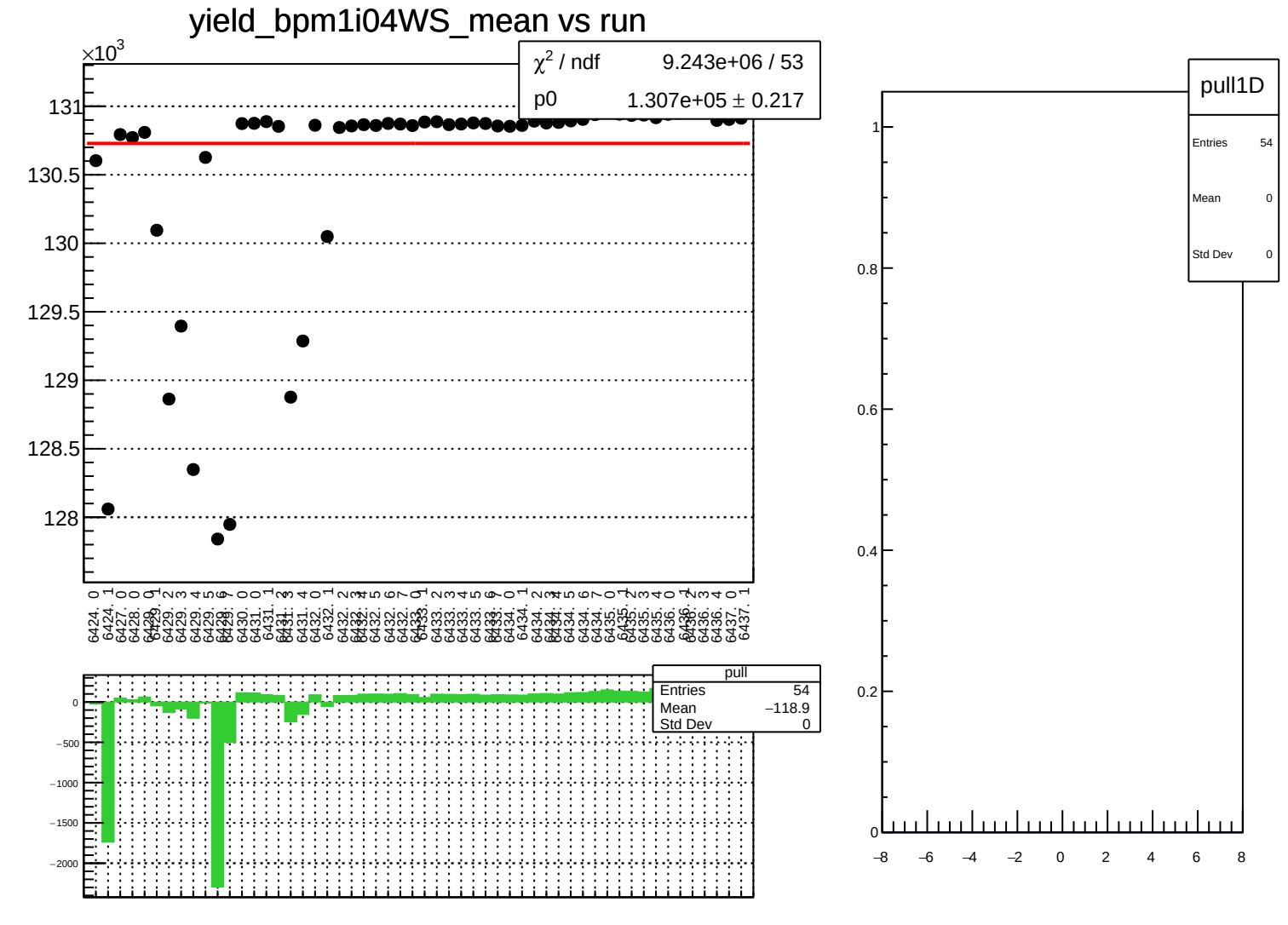

pull1D
Entries 54
Mean −1.871
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

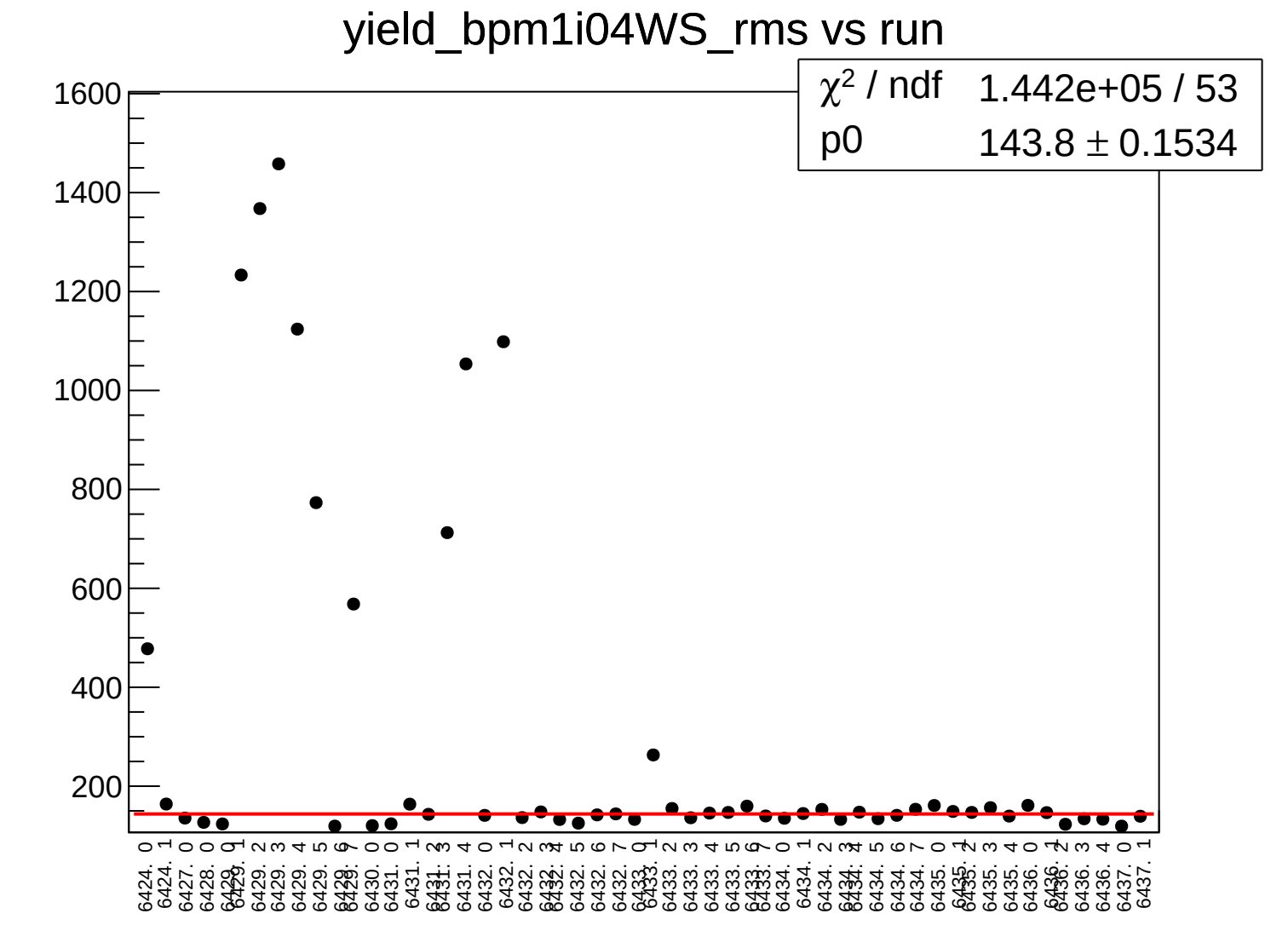

yield_bpm0i07WS_rms vs run
χ² / ndf 1.675e+05 / 53
p0 188.8 ± 0.2041
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

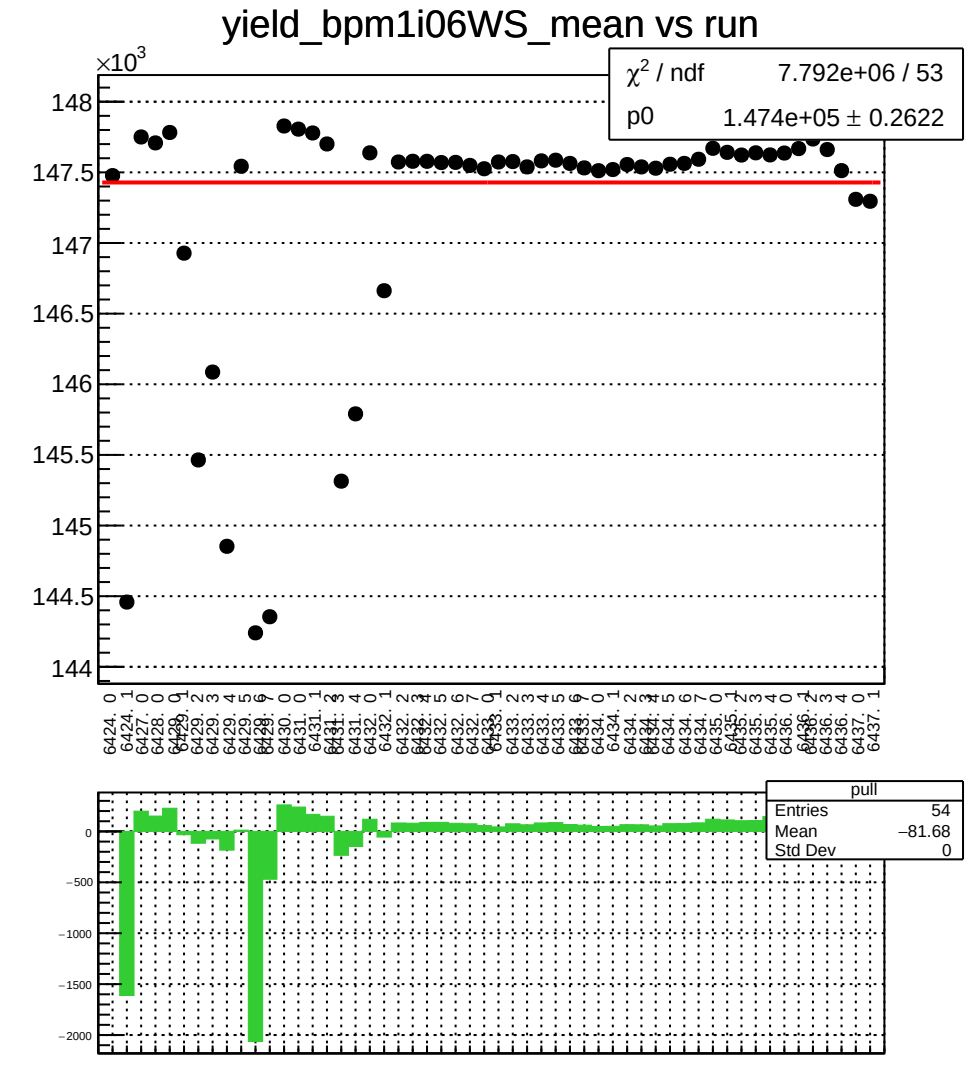

yield_bpm1i02WS_mean vs run
×10^3
155
154.5
154
153.5
153
152.5
152
151.5
151
χ² / ndf 7.111e+06 / 53
p0 1.542e+05 ± 0.2739
pull
Entries 54
Mean −78.6
Std Dev 0
0
−500
−1000
−1500
−2000

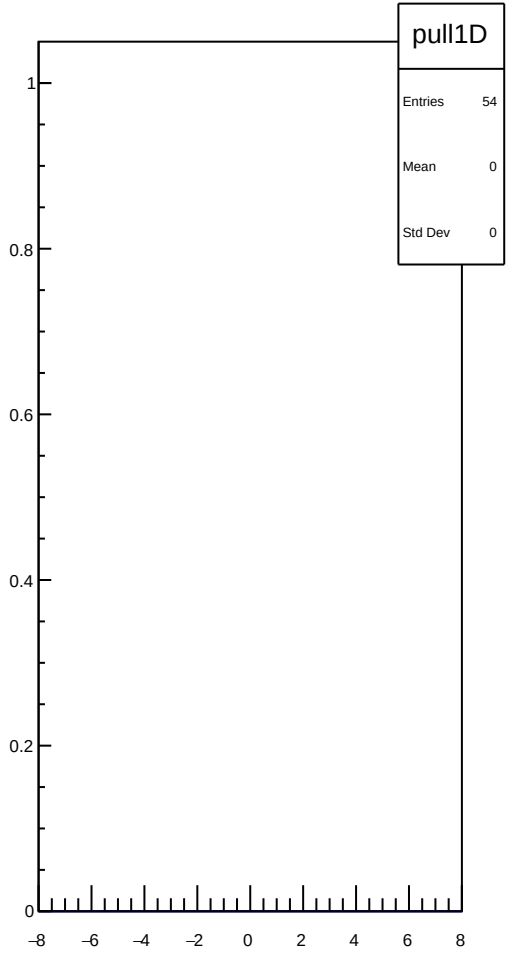

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

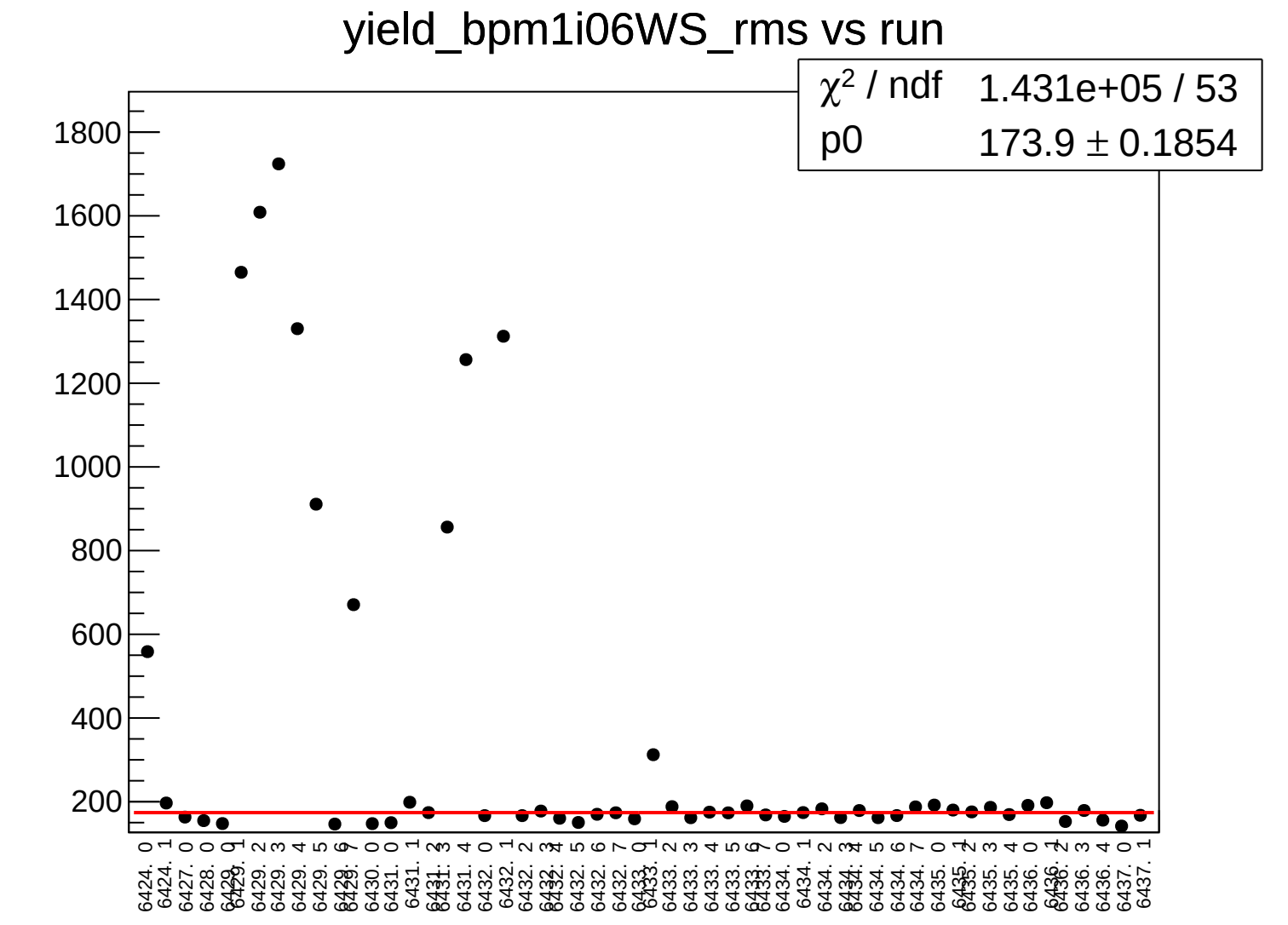

yield_bpm1i02WS_rms vs run
χ² / ndf 1.399e+05 / 53
p0 182 ± 0.1937
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

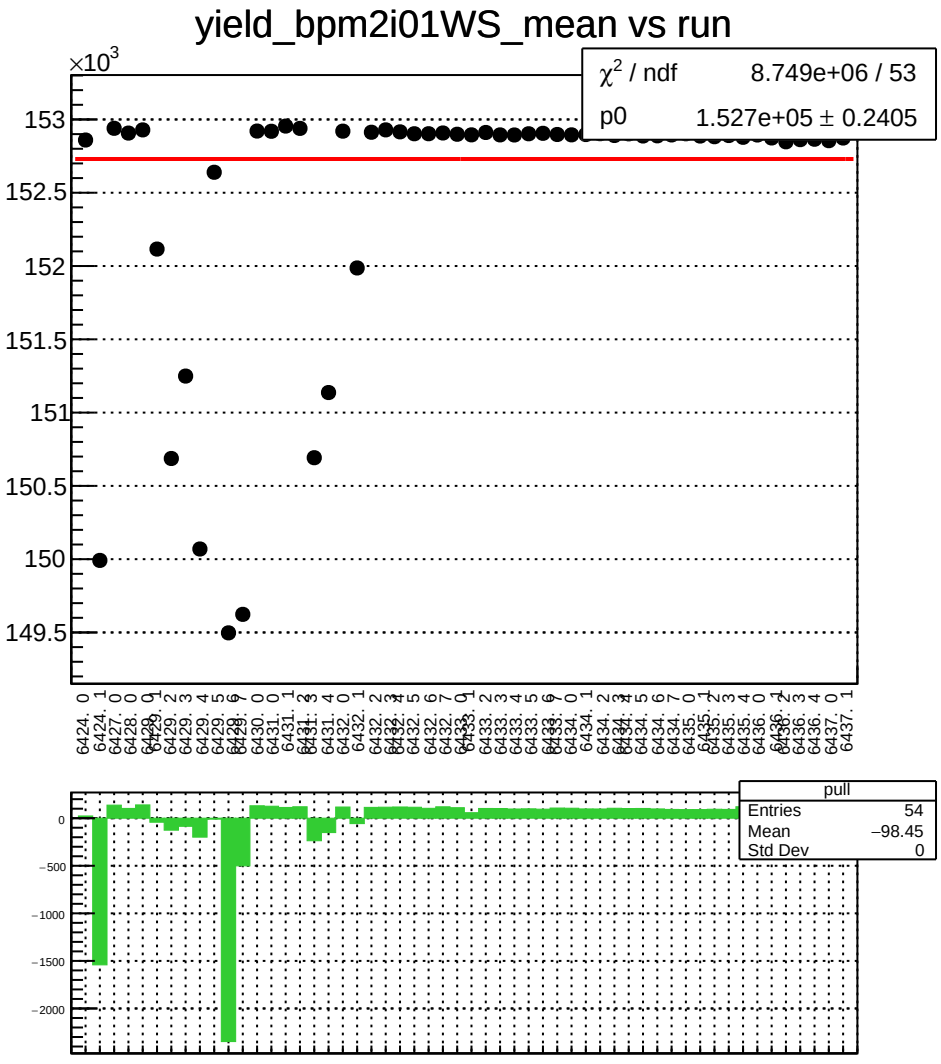

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 9.243e+06 / 53
p0 1.307e+05 ± 0.217
131
130.5
130
129.5
129
128.5
128
pull
Entries 54
Mean −118.9
Std Dev 0
0
−500
−1000
−1500
−2000
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

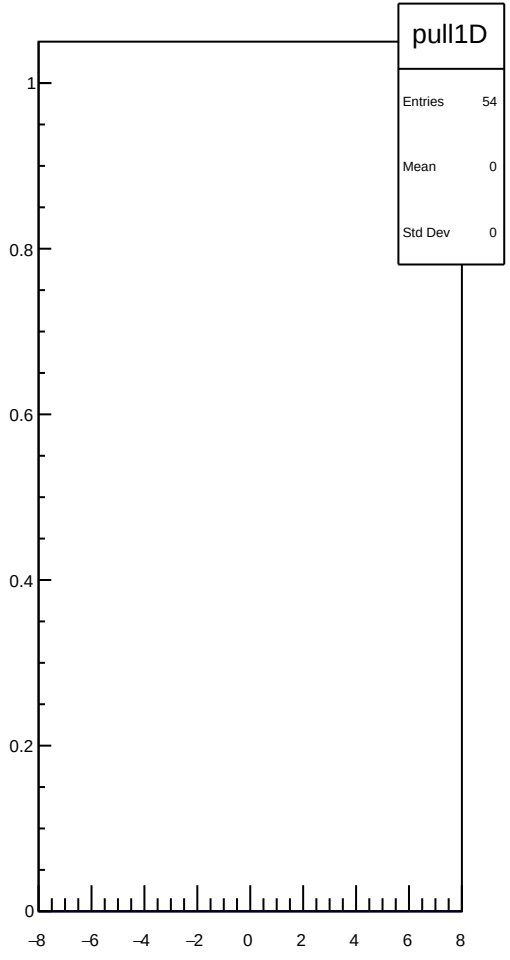

yield_bpm1i04WS_rms vs run
χ² / ndf 1.442e+05 / 53
p0 143.8 ± 0.1534
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

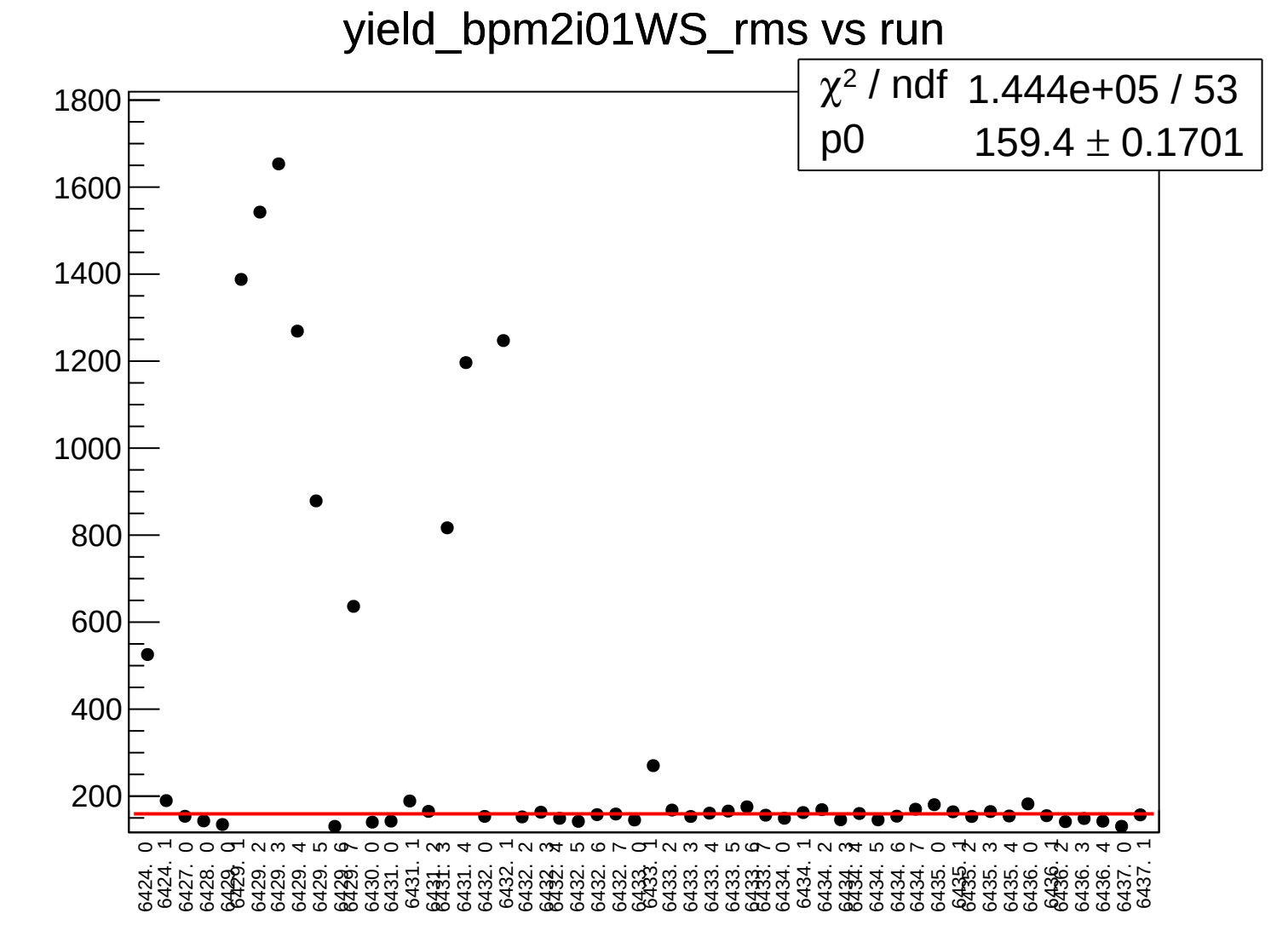

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 7.792e+06 / 53
p0 1.474e+05 ± 0.2622
148
147.5
147
146.5
146
145.5
145
144.5
144
pull
Entries 54
Mean −81.68
Std Dev 0
0
−500
−1000
−1500
−2000

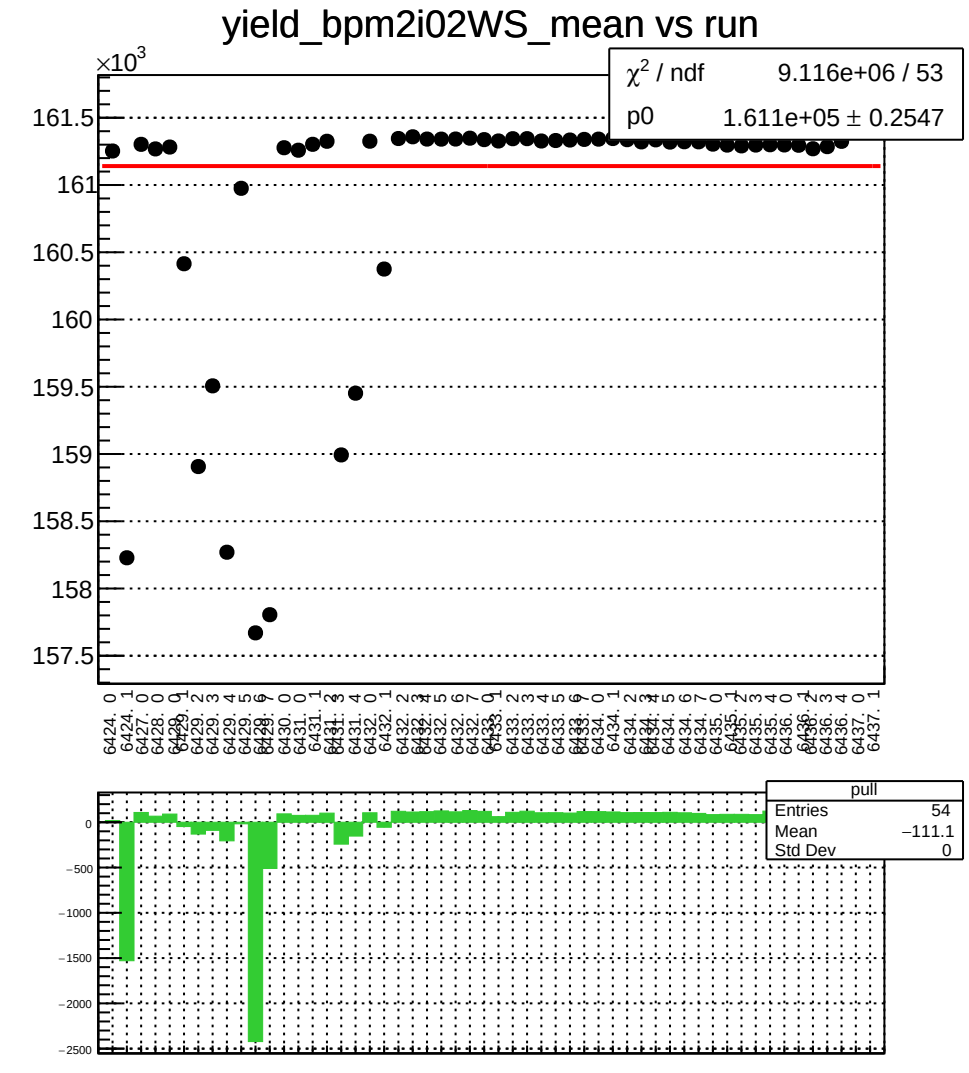

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

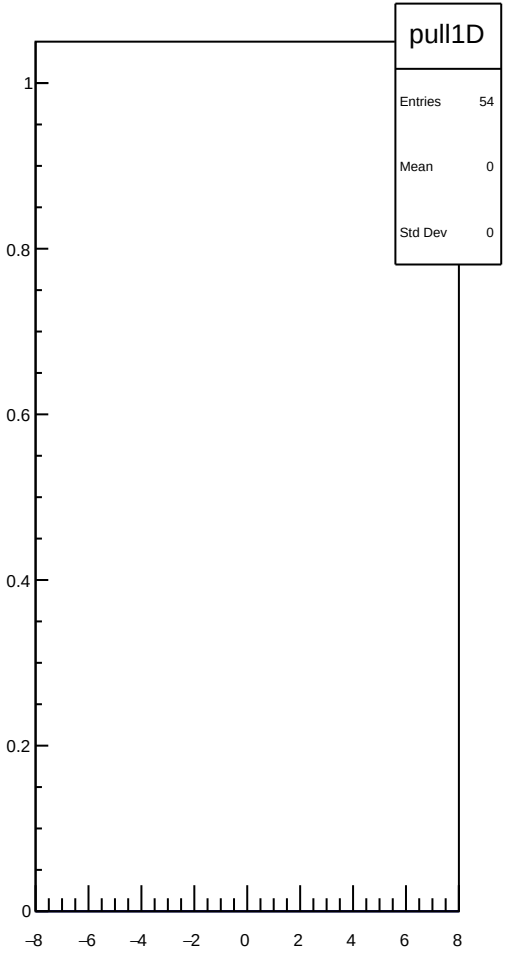

yield_bpm1i06WS_rms vs run
χ² / ndf 1.431e+05 / 53
p0 173.9 ± 0.1854
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

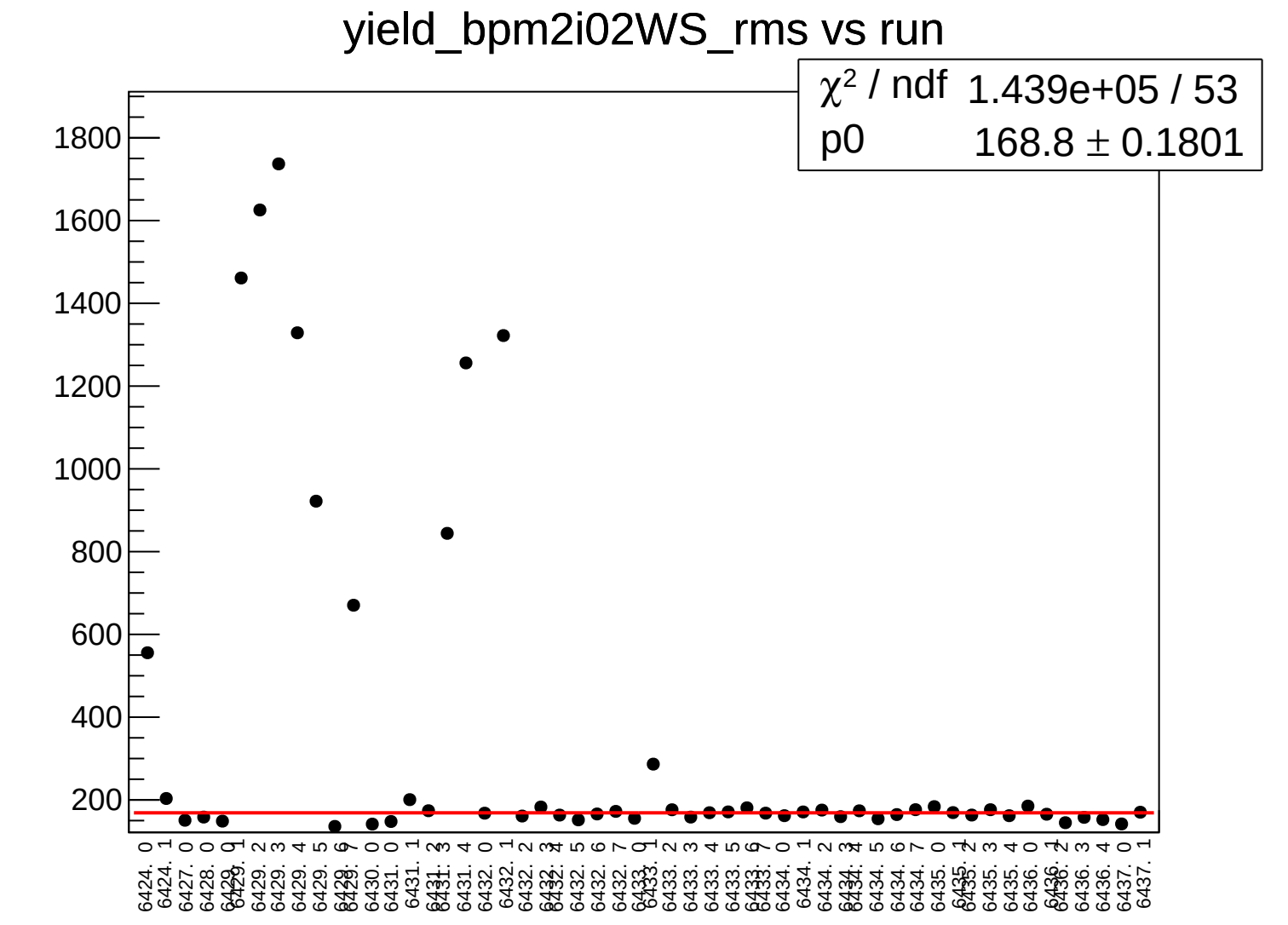

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.749e+06 / 53
p0 1.527e+05 ± 0.2405
153
152.5
152
151.5
151
150.5
150
149.5
pull
Entries 54
Mean −98.45
Std Dev 0
0
−500
−1000
−1500
−2000

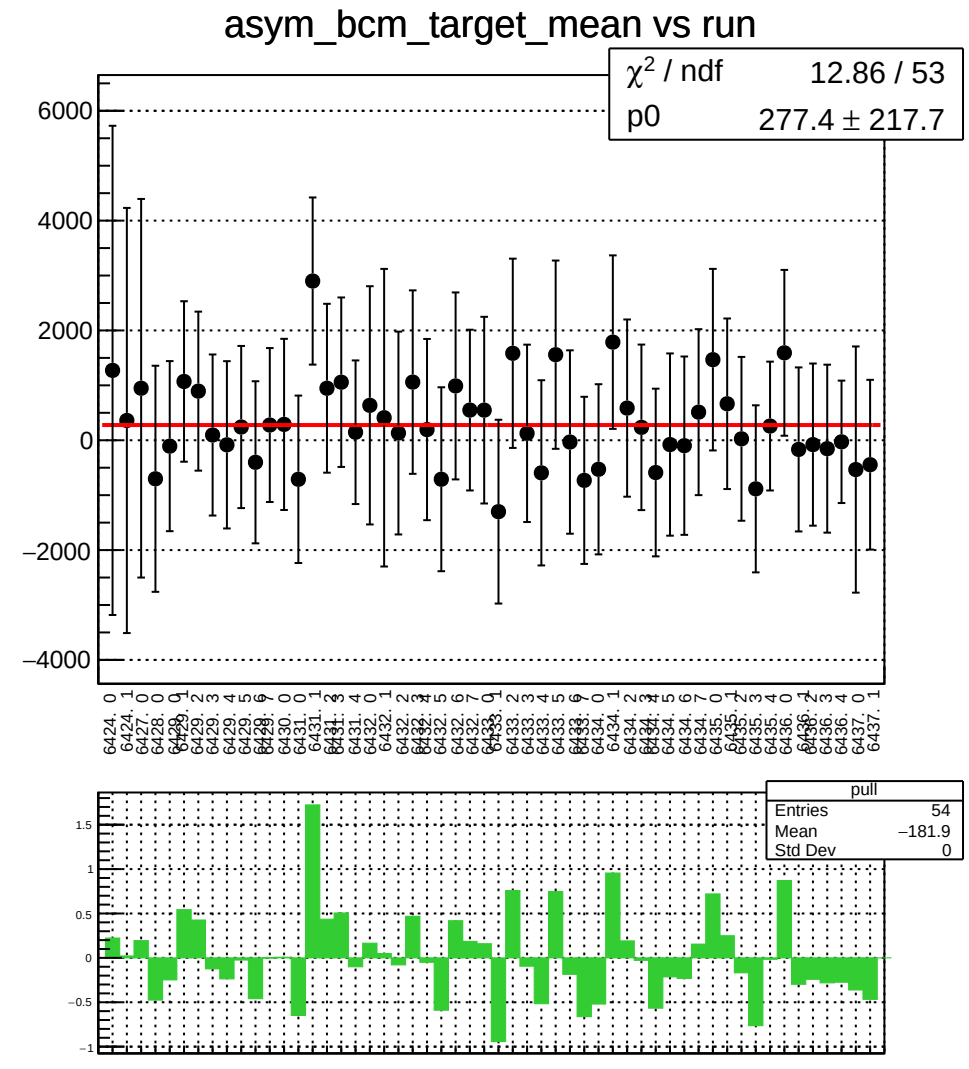

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

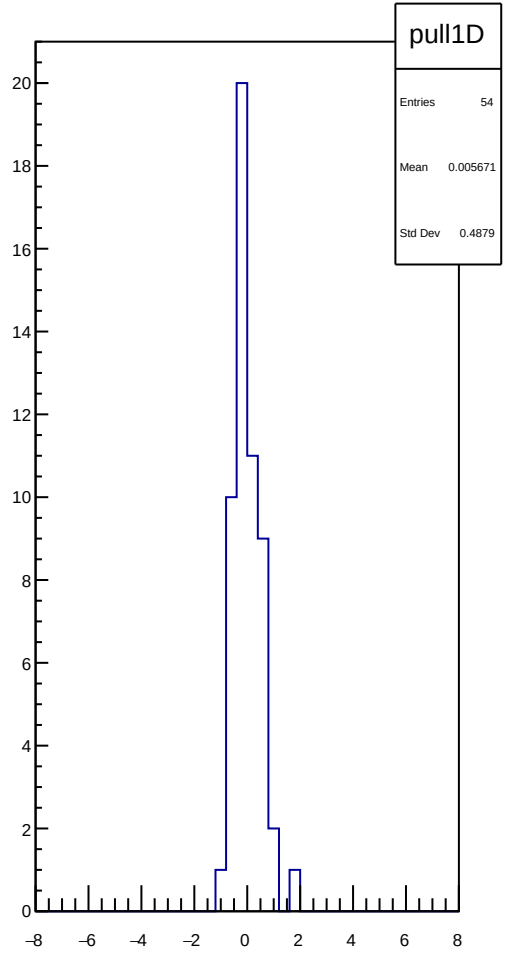

yield_bpm2i01WS_rms vs run
χ² / ndf 1.444e+05 / 53
p0 159.4 ± 0.1701
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

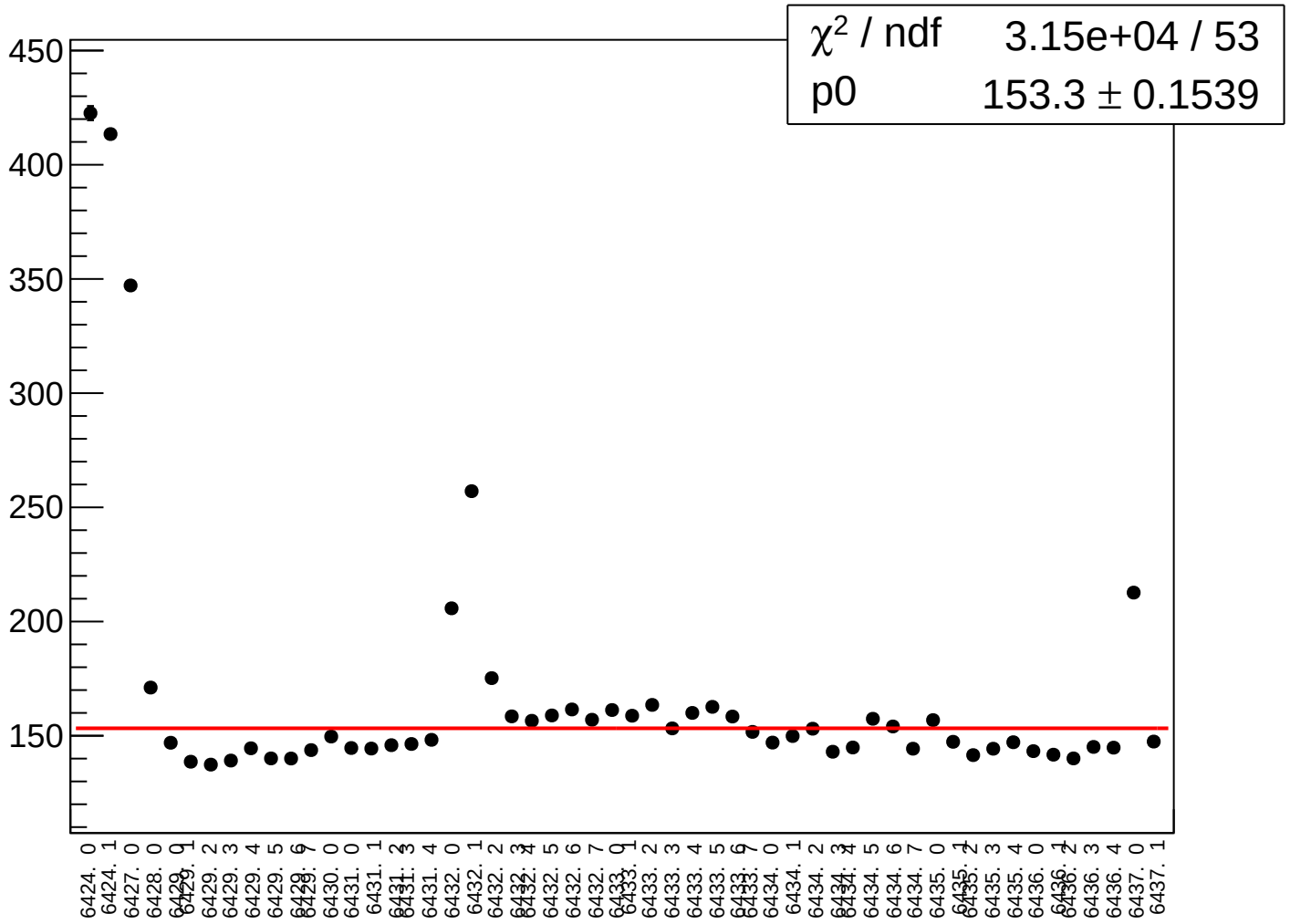

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 9.116e+06 / 53
p0 1.611e+05 ± 0.2547
161.5
161
160.5
160
159.5
159
158.5
158
157.5
pull
Entries 54
Mean −111.1
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

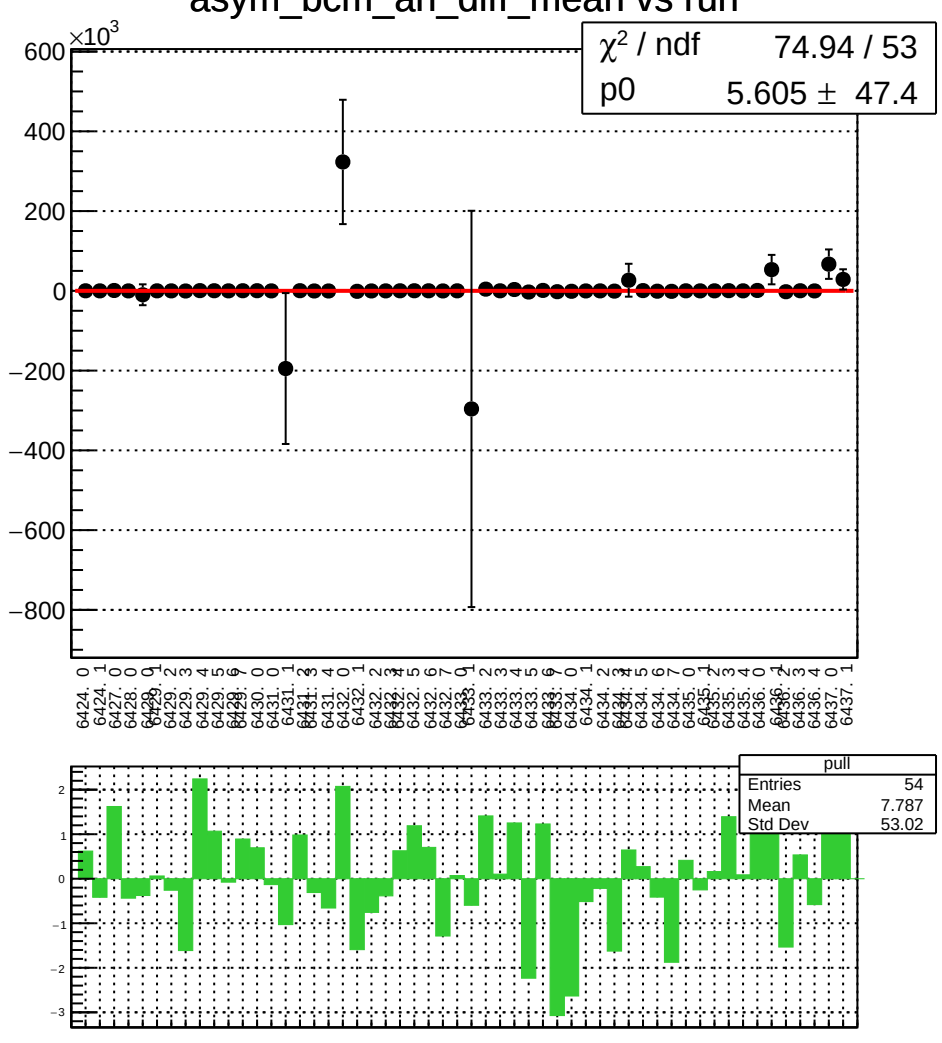

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

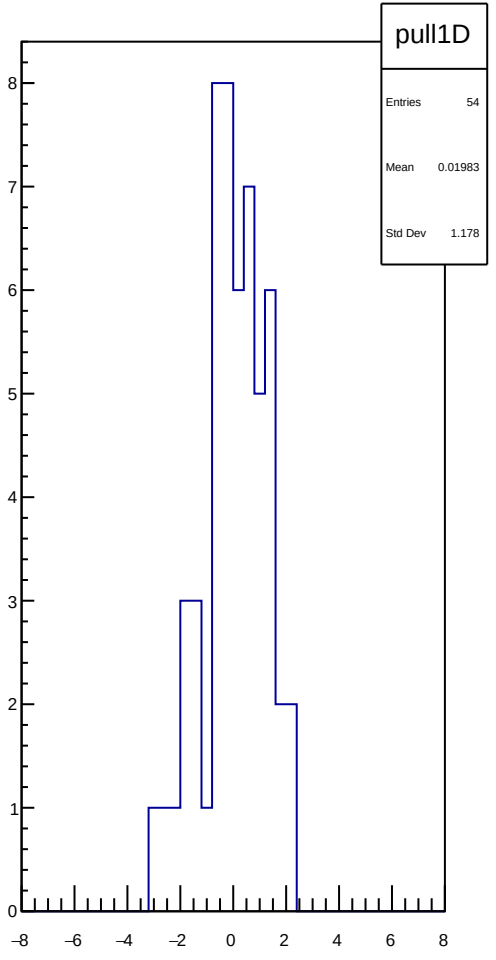

yield_bpm2i02WS_rms vs run
χ² / ndf 1.439e+05 / 53
p0 168.8 ± 0.1801
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

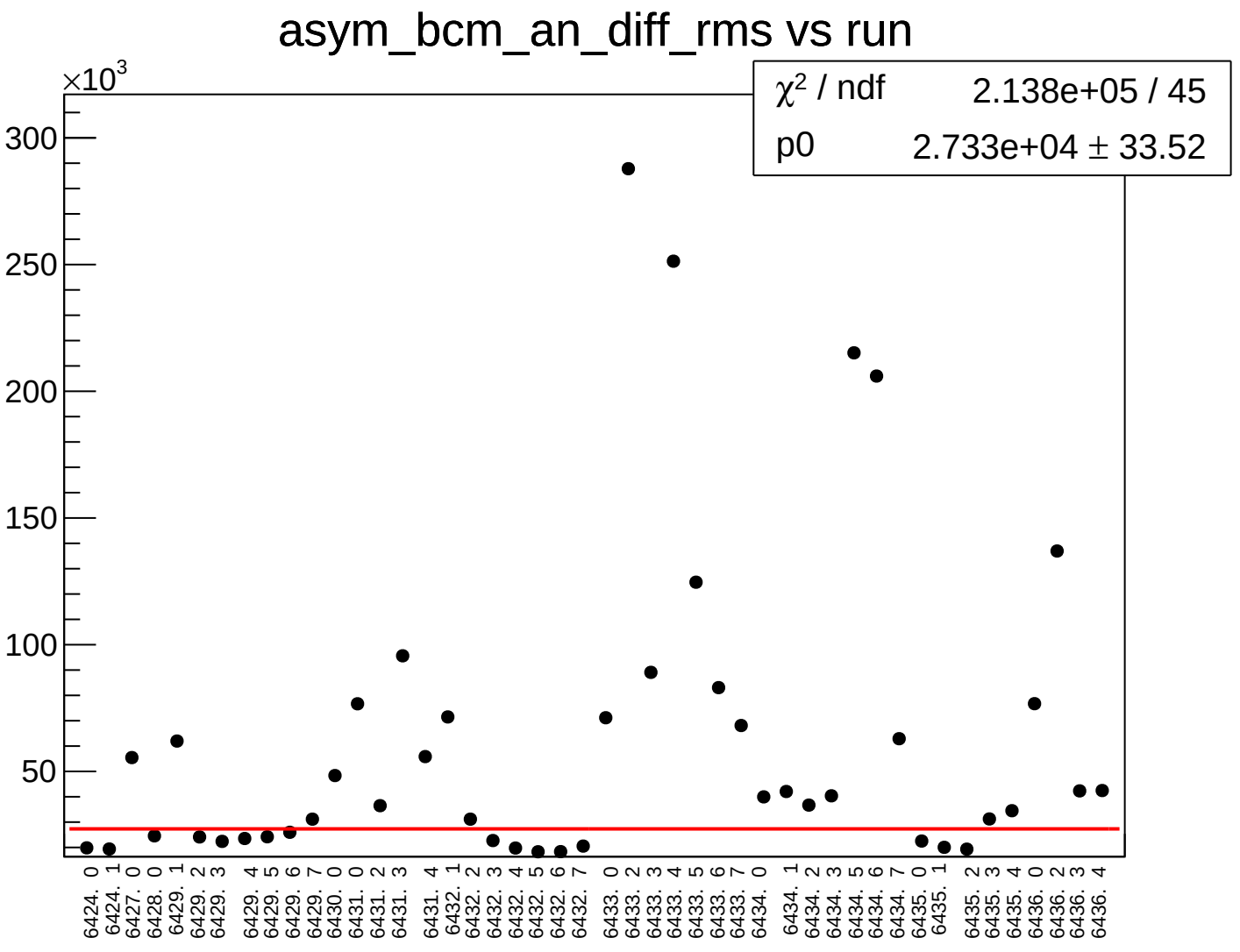

asym_bcm_target_mean vs run
χ² / ndf 12.86 / 53
p0 277.4 ± 217.7
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −181.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1

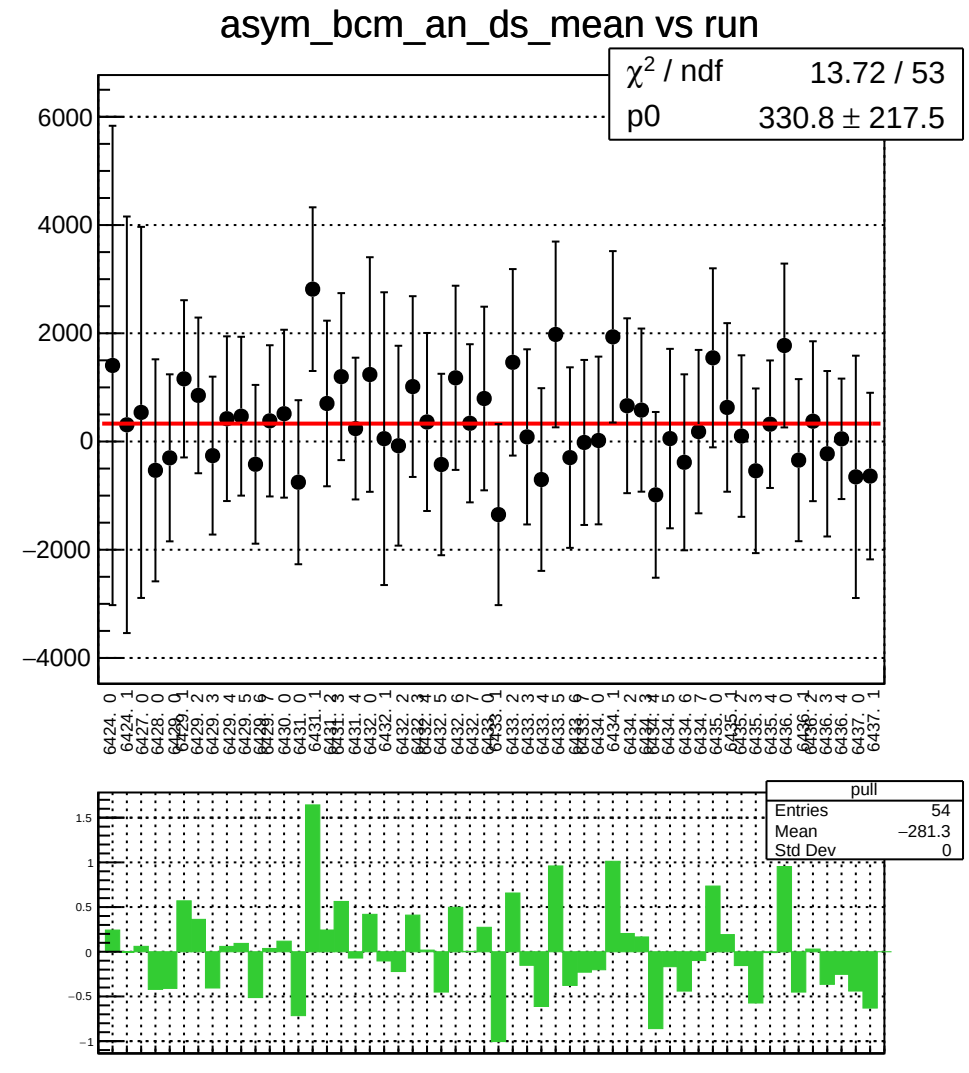

pull1D
Entries 54
Mean 0.005671
Std Dev 0.4879
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

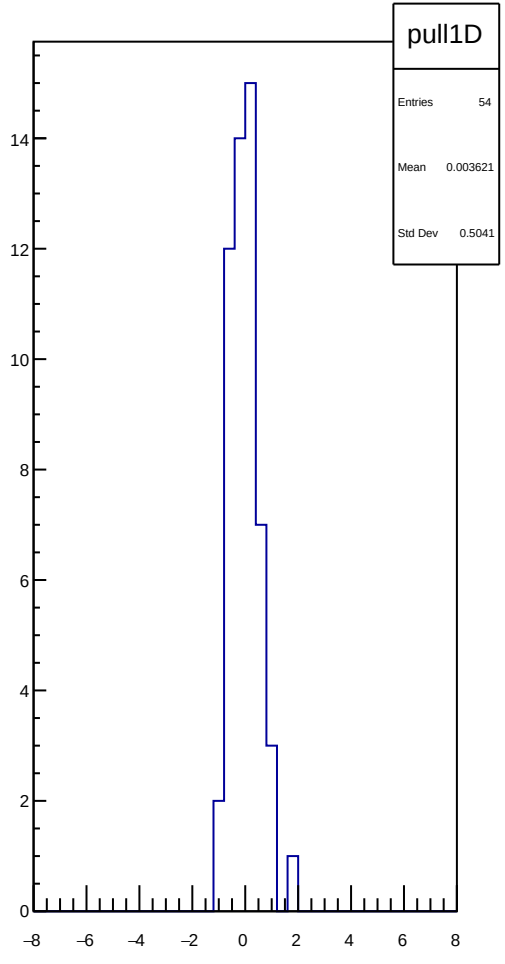

asym_bcm_target_rms vs run
χ² / ndf 3.15e+04 / 53
p0 153.3 ± 0.1539
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

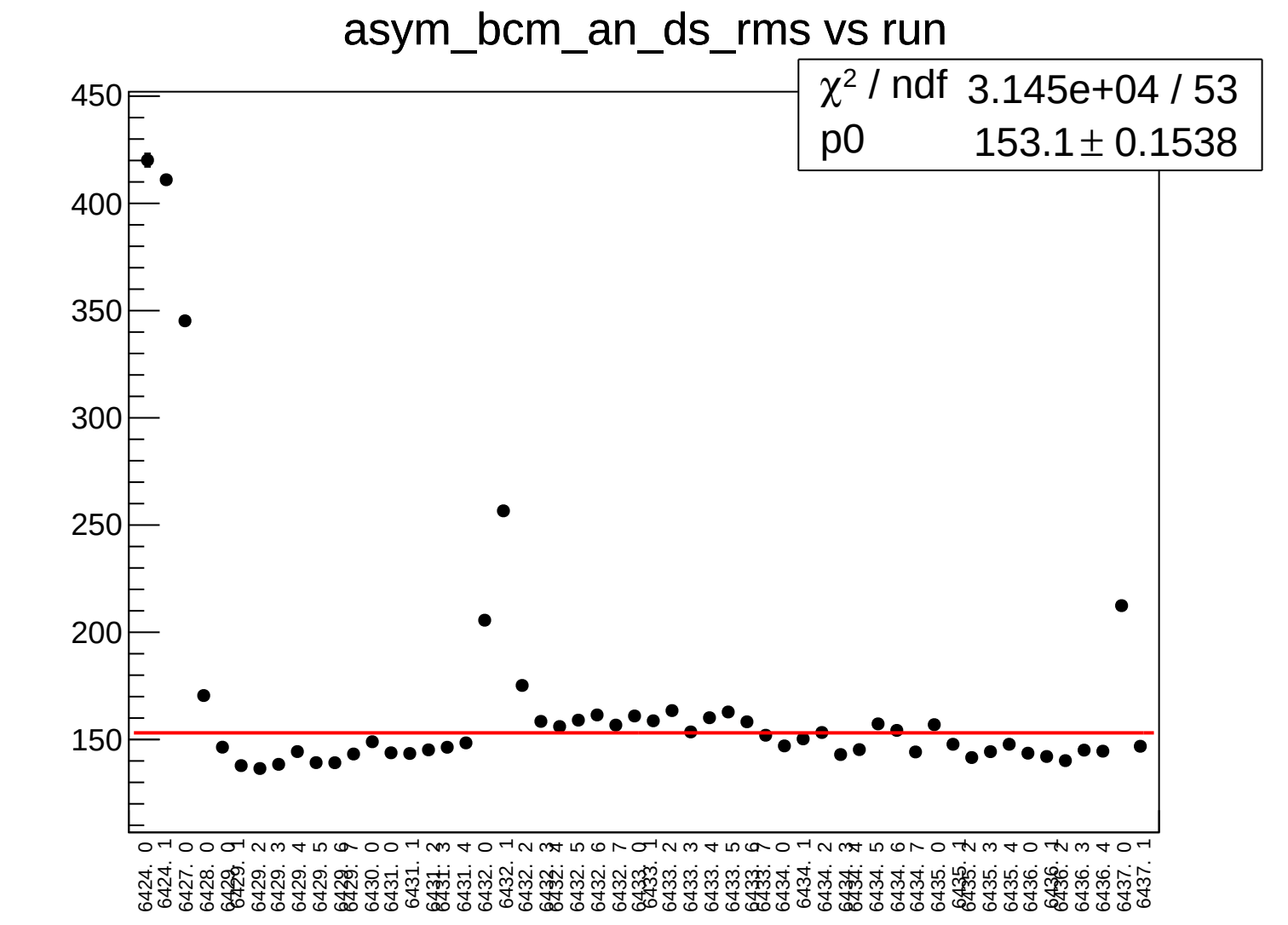

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 74.94 / 53
p0 5.605 ± 47.4
pull
Entries 54
Mean 7.787
Std Dev 53.02

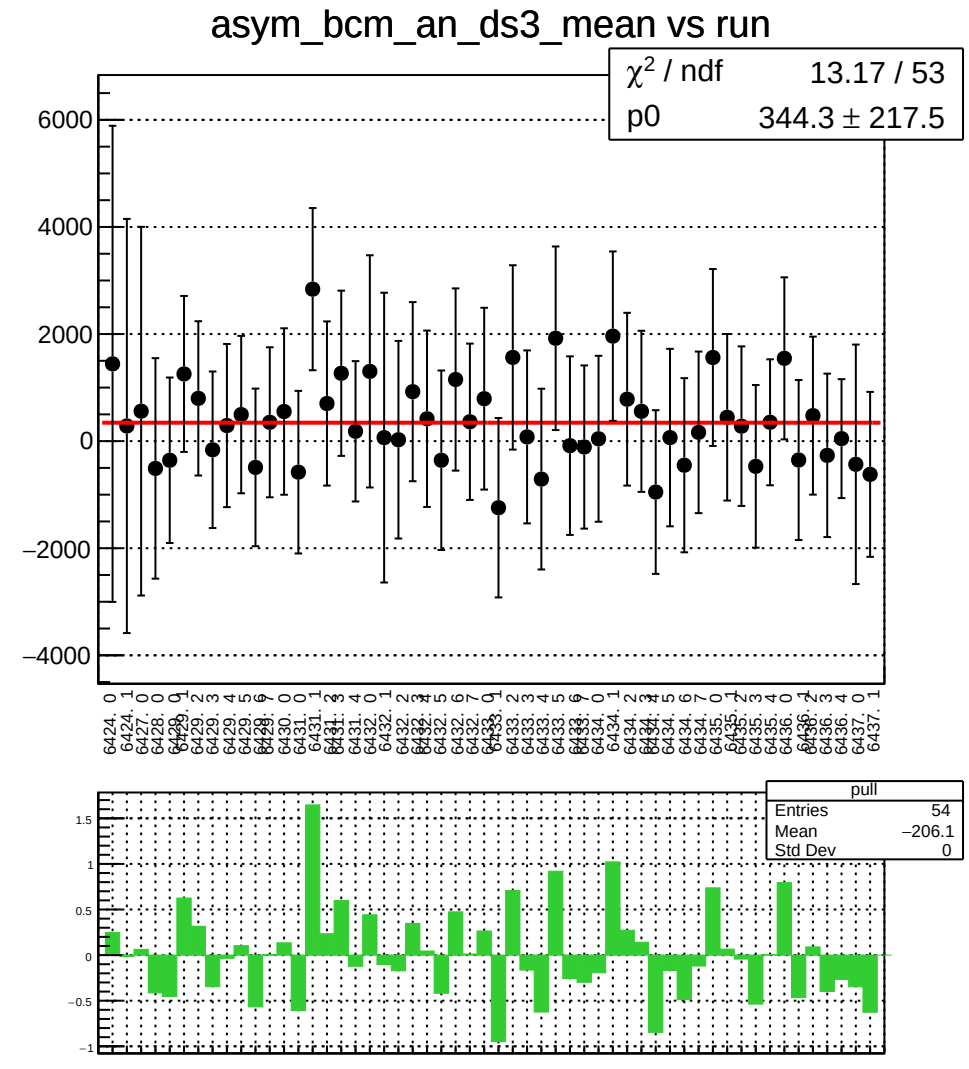

pull1D
Entries 54
Mean 0.01983
Std Dev 1.178

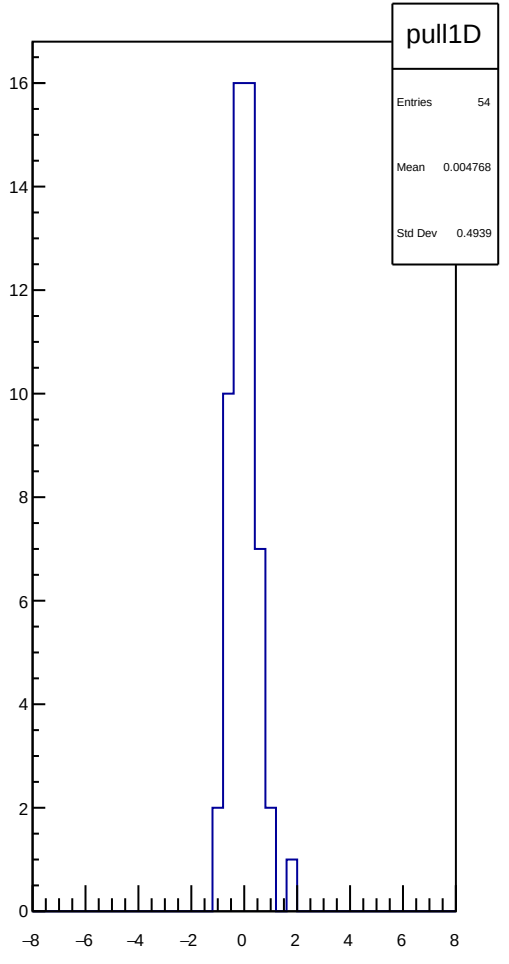

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 2.138e+05 / 45
p0 2.733e+04 ± 33.52
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 2
6431. 3
6431. 4
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4

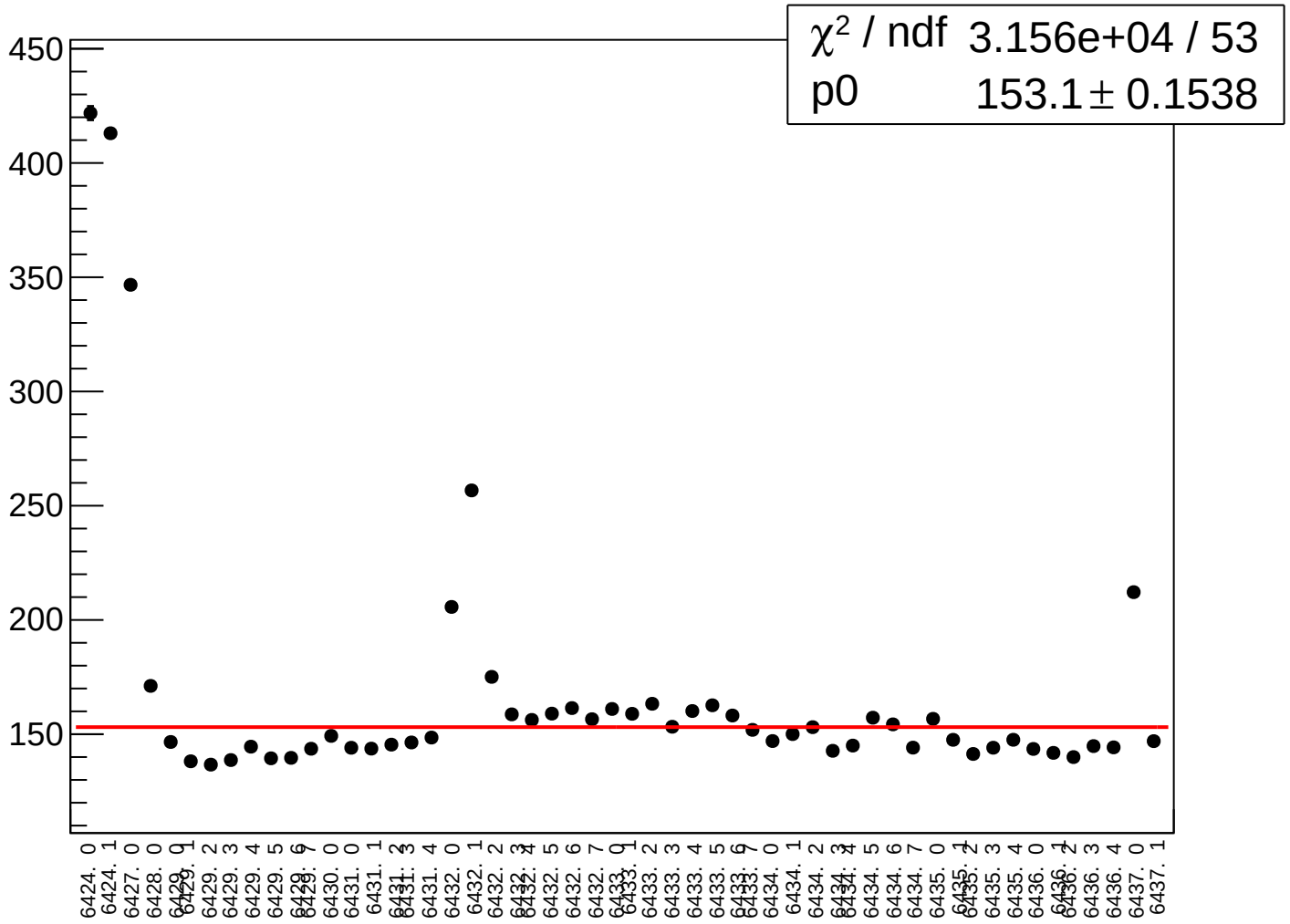

asym_bcm_an_ds_mean vs run
χ² / ndf 13.72 / 53
p0 330.8 ± 217.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −281.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1

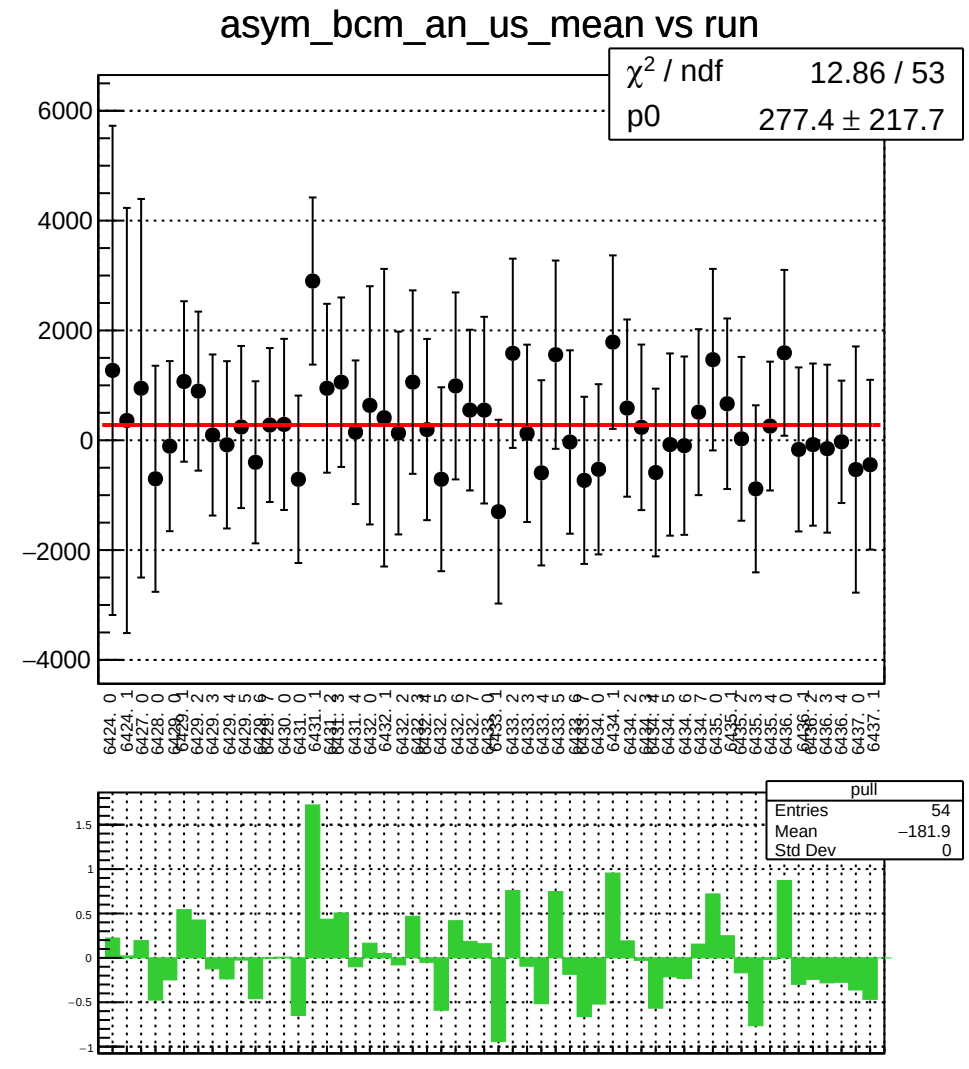

pull1D
Entries 54
Mean 0.003621
Std Dev 0.5041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

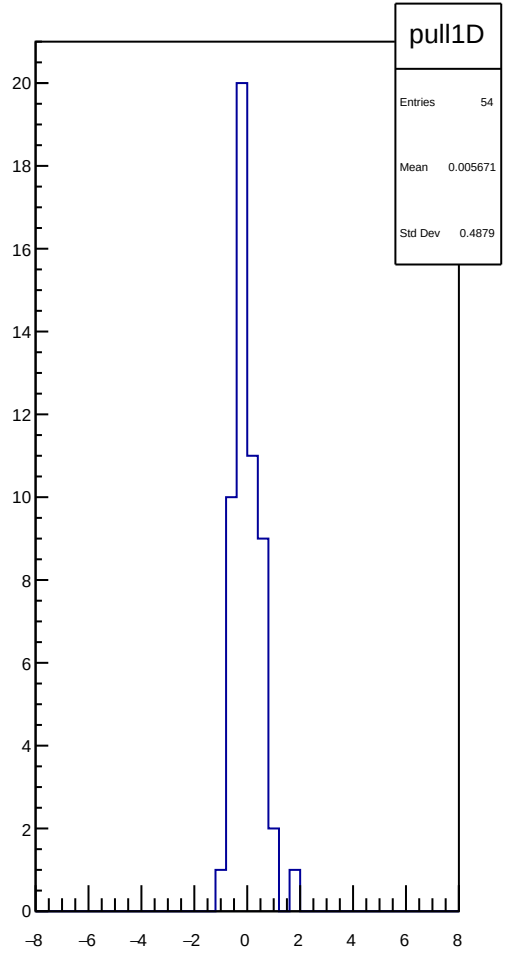

asym_bcm_an_ds_rms vs run
χ² / ndf 3.145e+04 / 53
p0 153.1 ± 0.1538
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

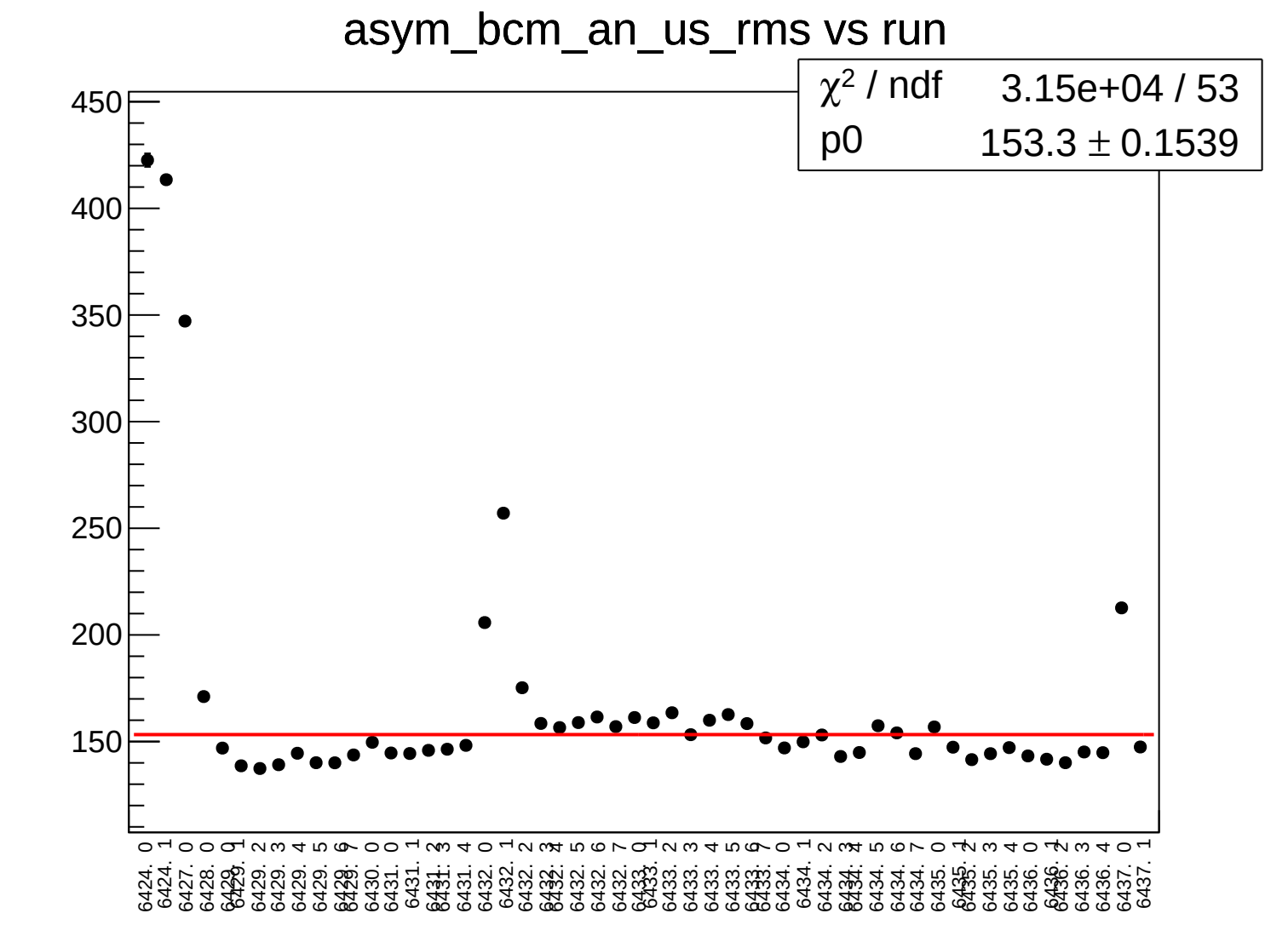

asym_bcm_an_ds3_mean vs run
χ^2 / ndf 13.17 / 53
p0 344.3 ± 217.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −206.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

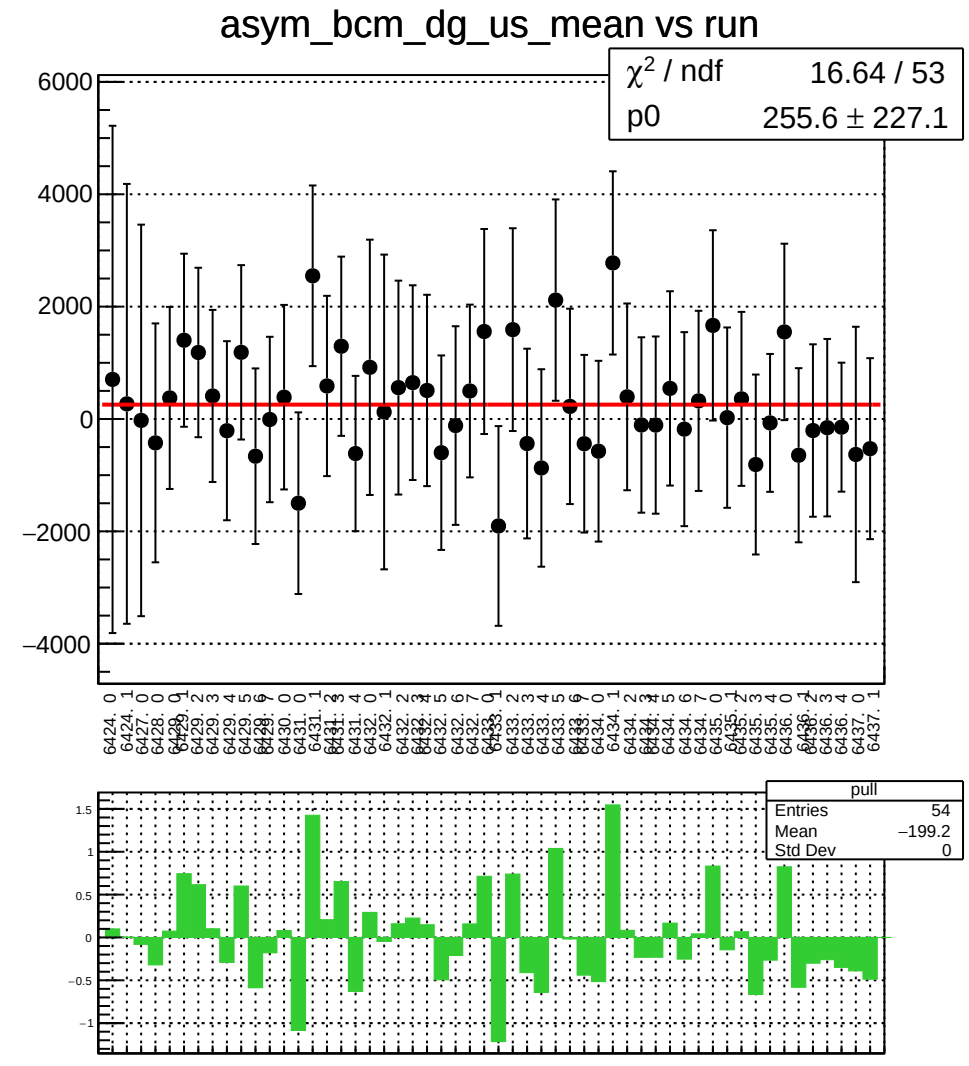

pull1D
Entries 54
Mean 0.004768
Std Dev 0.4939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

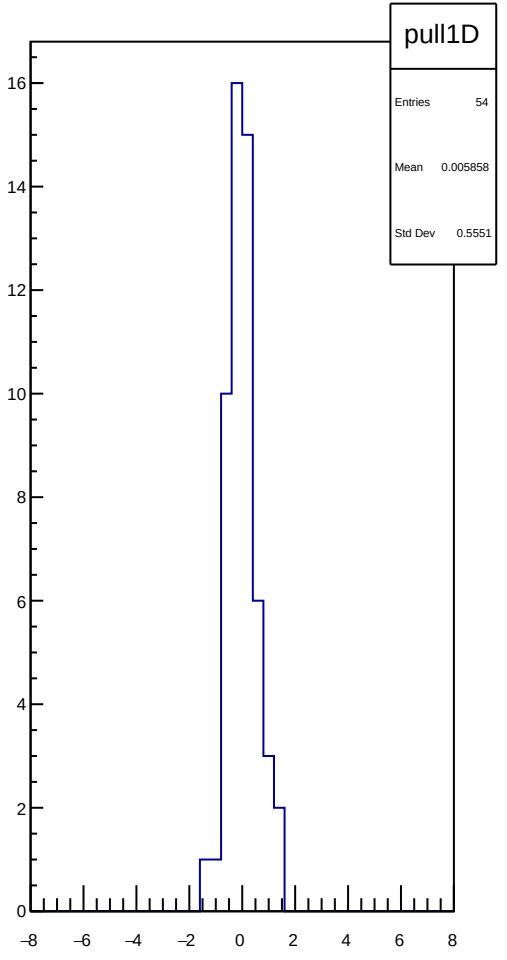

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.156e+04 / 53
p0 153.1 ± 0.1538
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

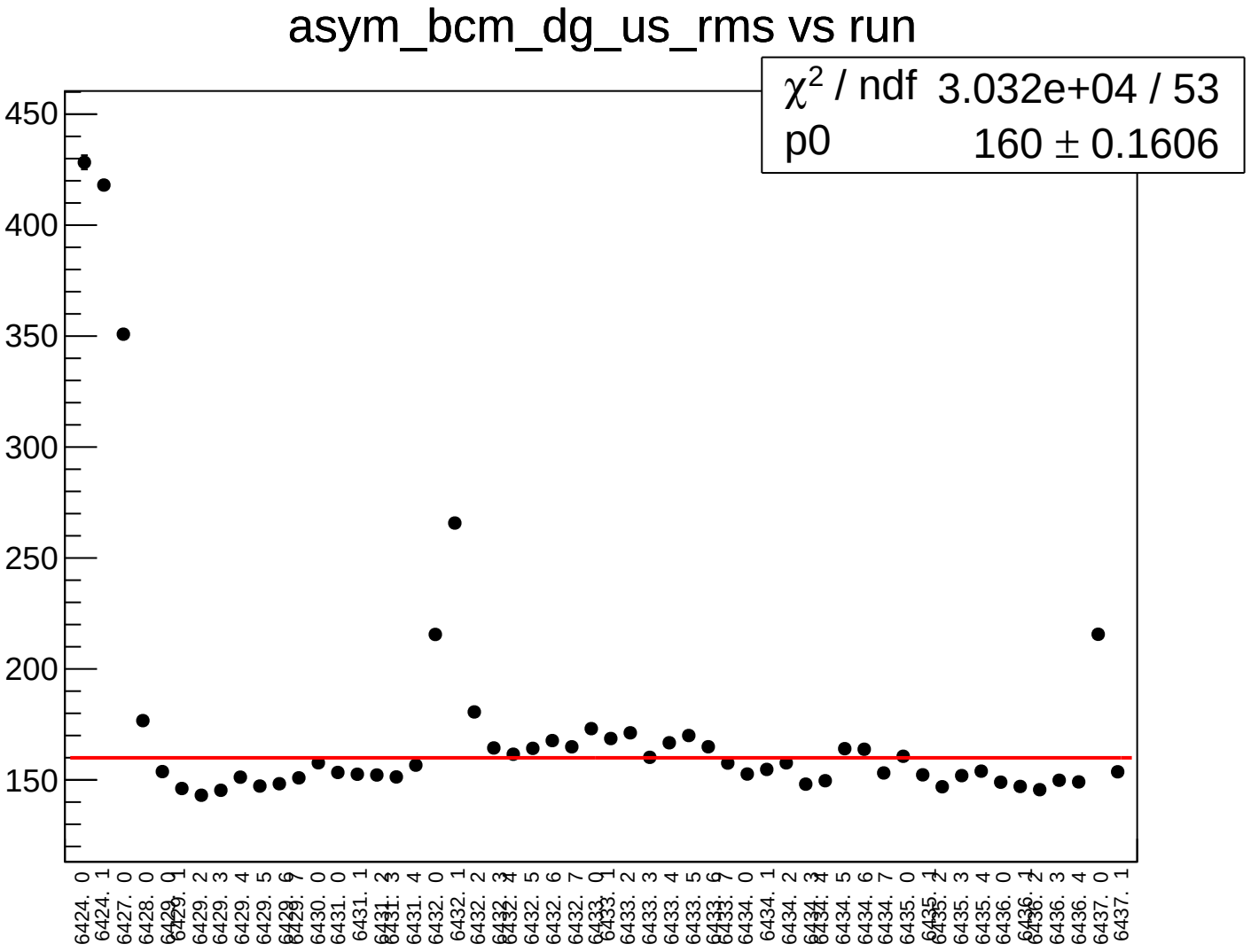

asym_bcm_an_us_mean vs run
χ^2 / ndf 12.86 / 53
p0 277.4 ± 217.7
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −181.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1

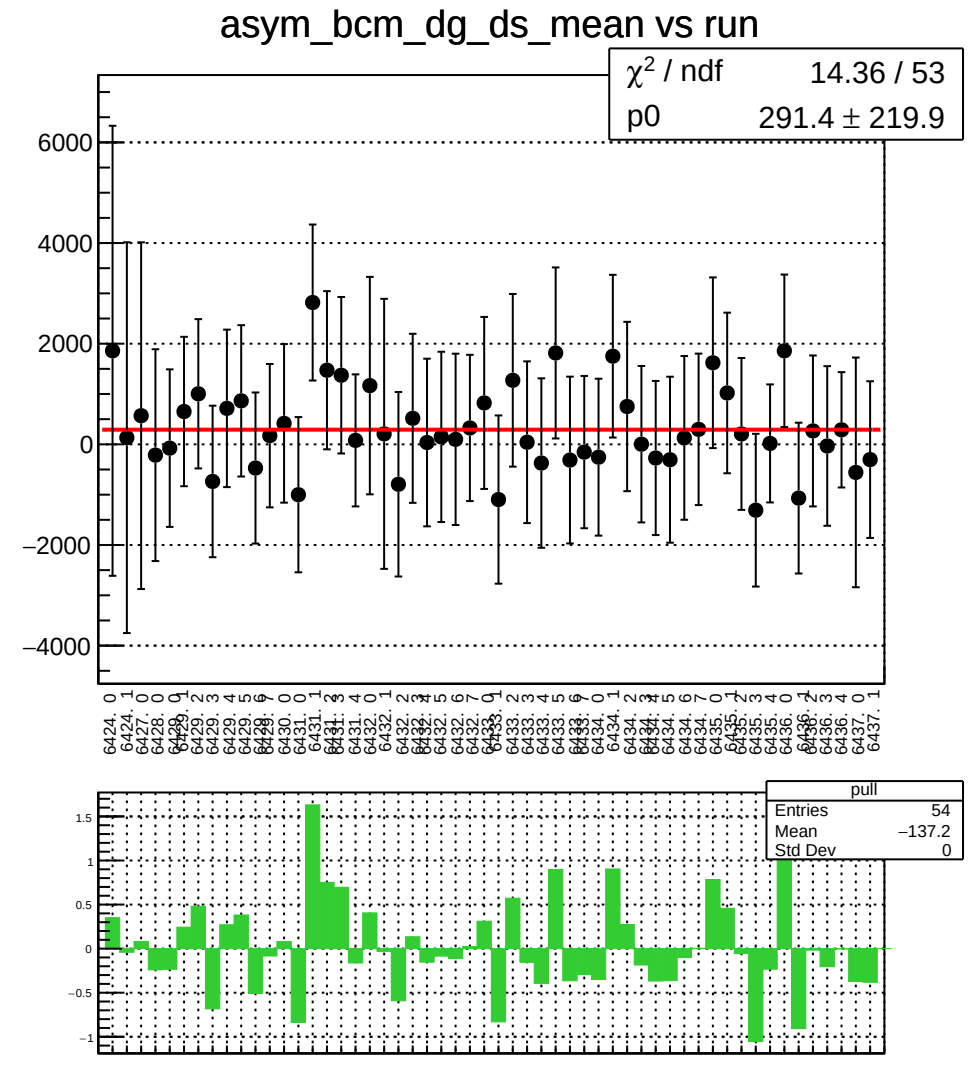

pull1D
Entries 54
Mean 0.005671
Std Dev 0.4879
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

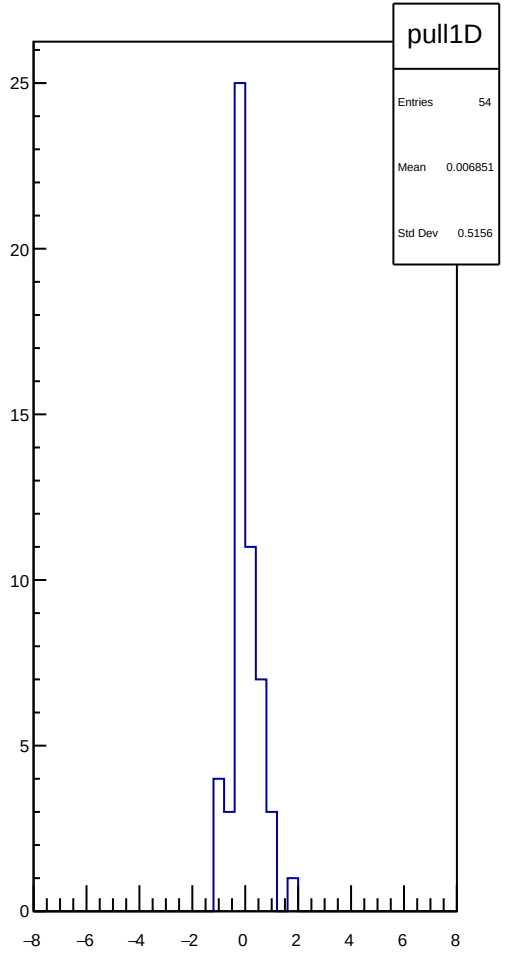

asym_bcm_an_us_rms vs run
χ² / ndf 3.15e+04 / 53
p0 153.3 ± 0.1539
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

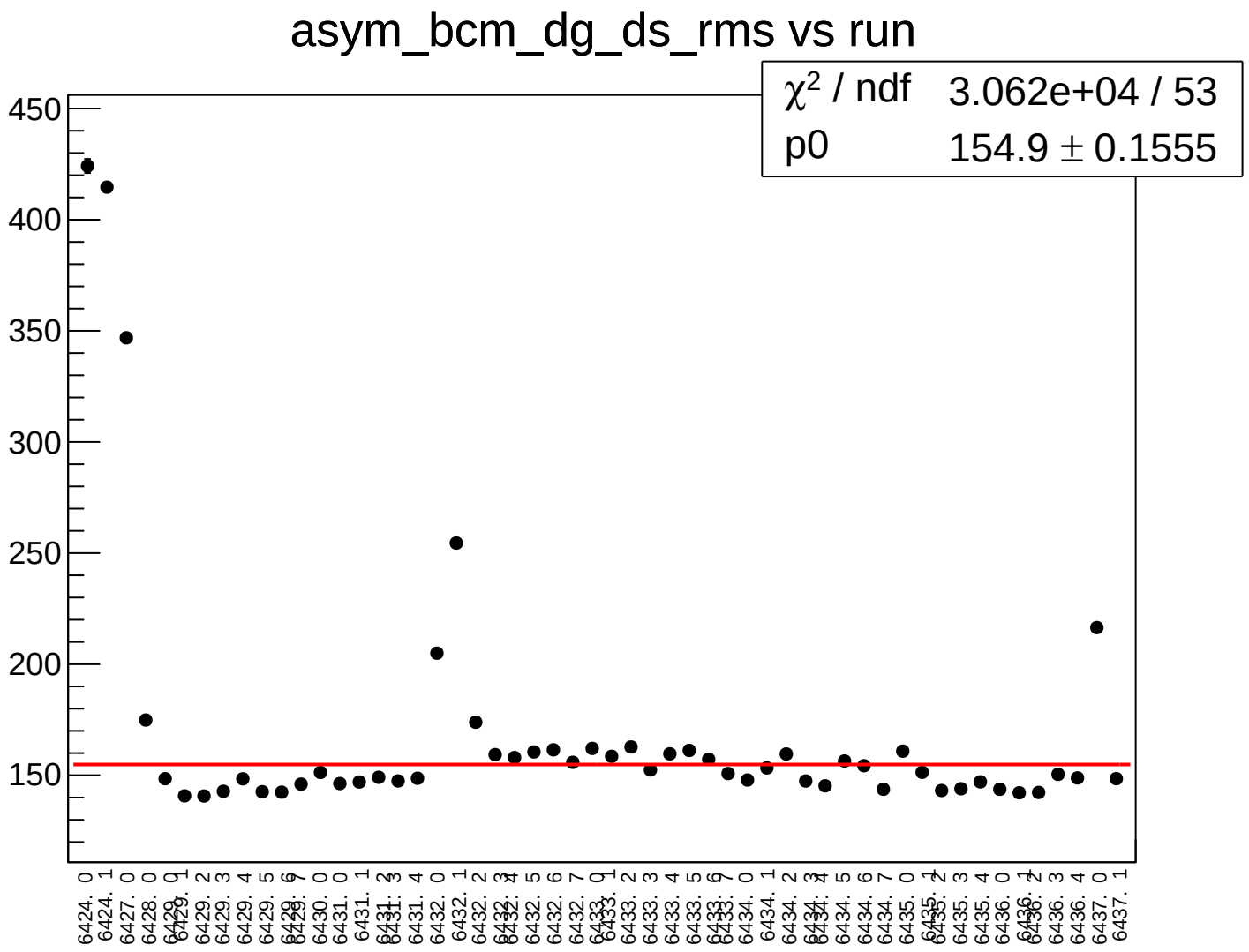

asym_bcm_dg_us_mean vs run
χ² / ndf 16.64 / 53
p0 255.6 ± 227.1
pull
Entries 54
Mean −199.2
Std Dev 0


pull1D
Entries 54
Mean 0.005858
Std Dev 0.5551


asym_bcm_dg_us_rms vs run
χ^2 / ndf 3.032e+04 / 53
p0 160 ± 0.1606
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_dg_ds_mean vs run
χ² / ndf 14.36 / 53
p0 291.4 ± 219.9
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −137.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 54
Mean 0.006851
Std Dev 0.5156
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_rms vs run
χ² / ndf 3.062e+04 / 53
p0 154.9 ± 0.1555
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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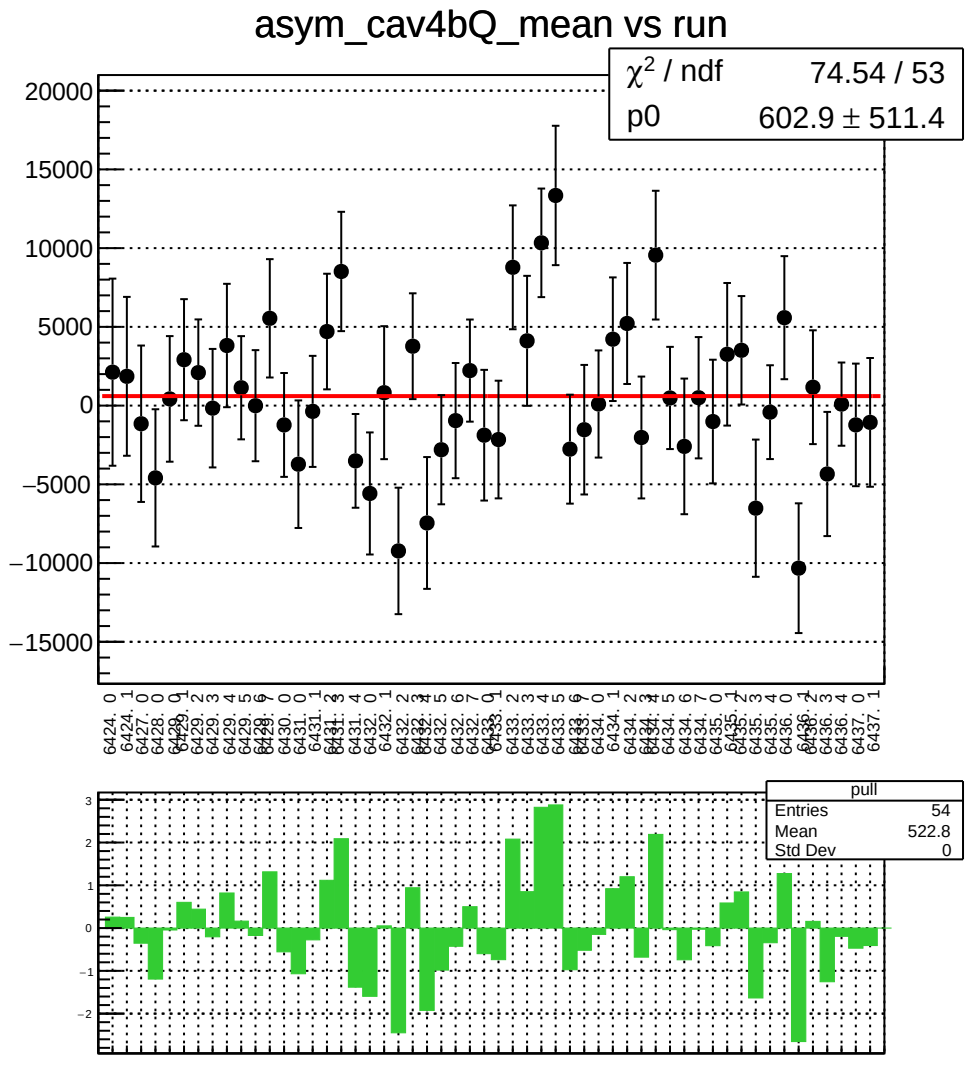
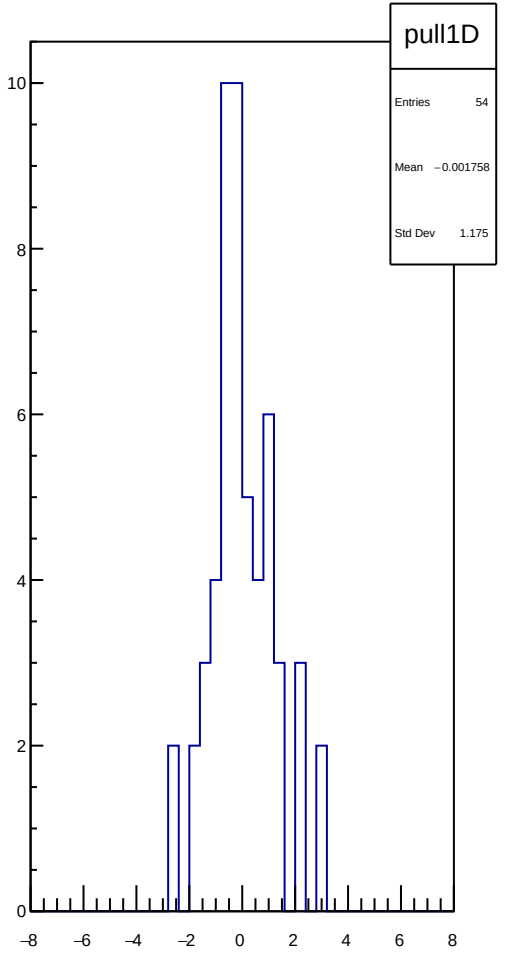
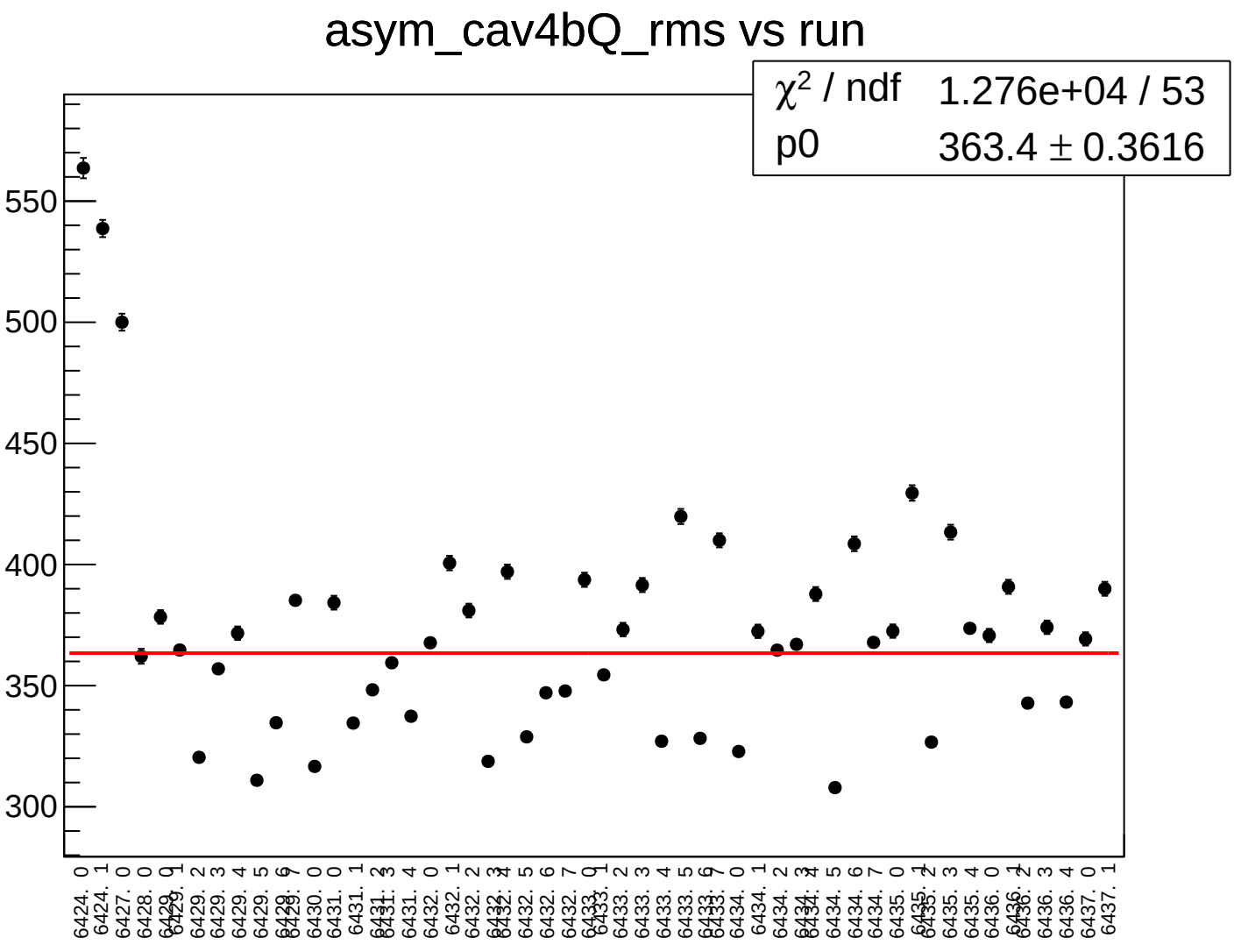
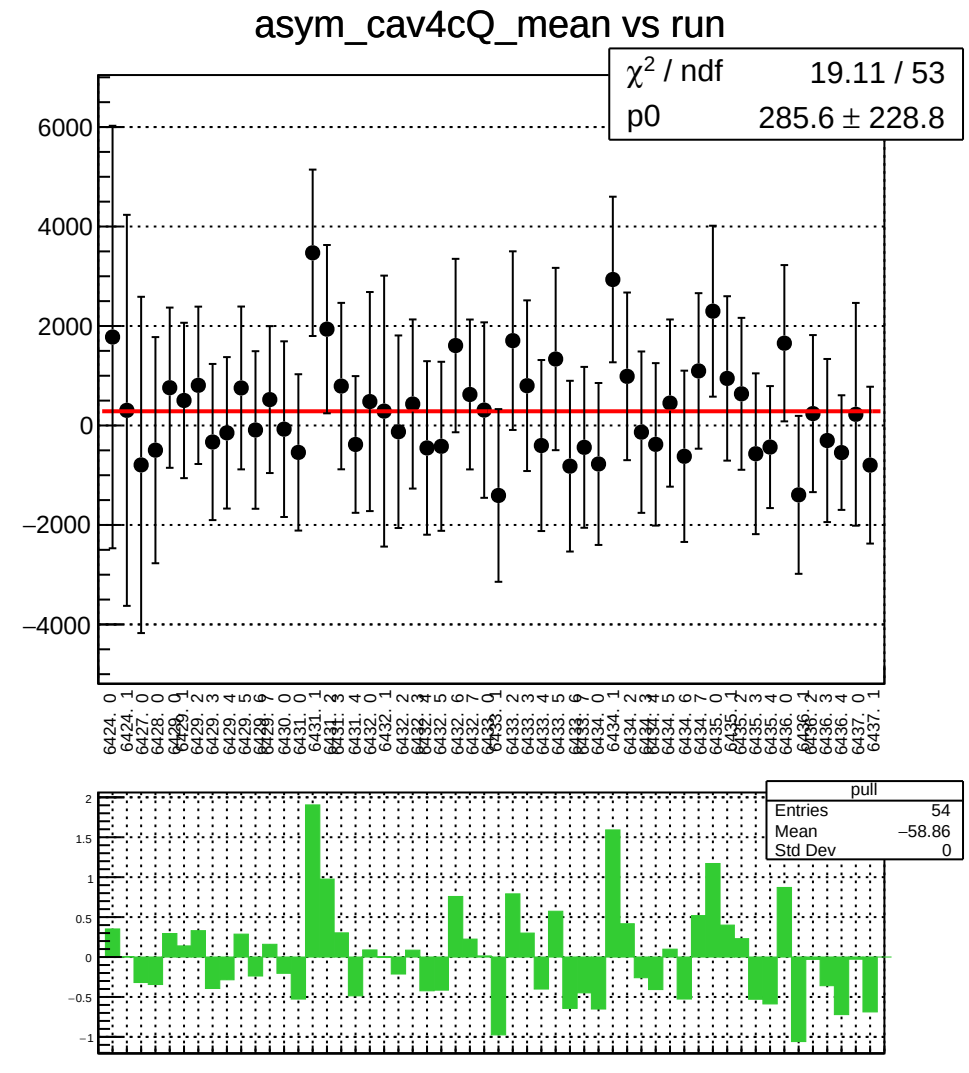
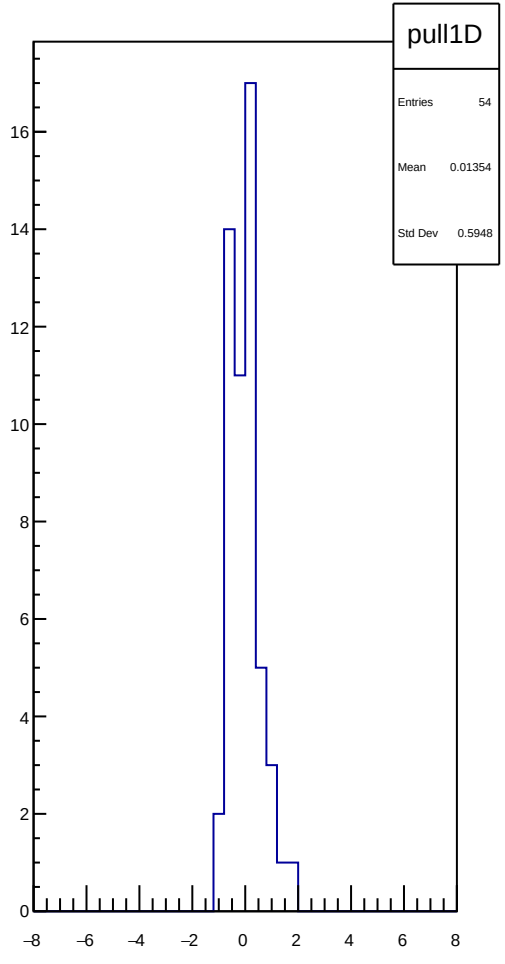
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

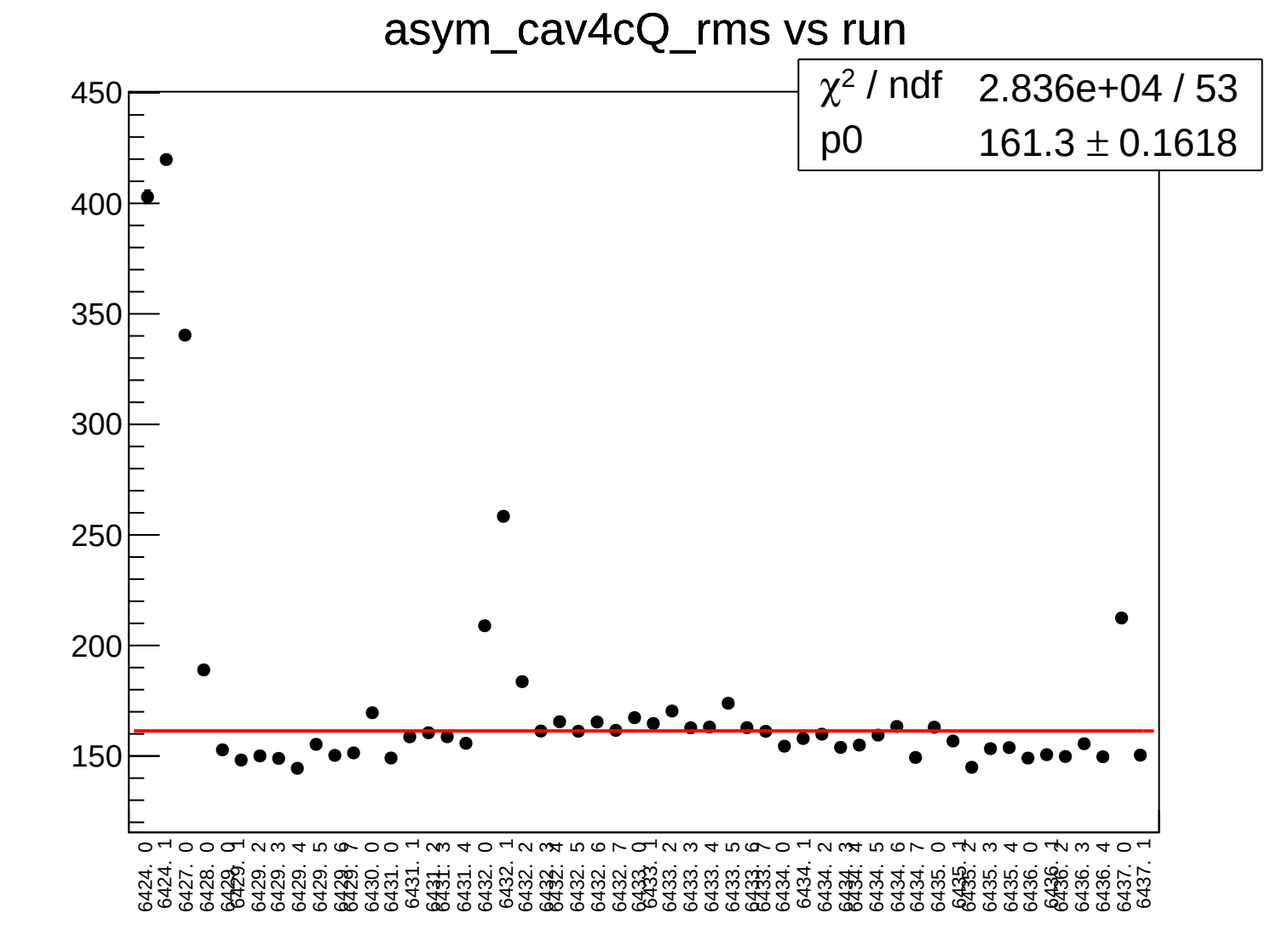

asym_cav4bQ_mean vs run
χ² / ndf 74.54 / 53
p0 602.9 ± 511.4
pull
Entries 54
Mean 522.8
Std Dev 0


pull1D
Entries 54
Mean −0.001758
Std Dev 1.175


asym_cav4bQ_rms vs run
χ² / ndf 1.276e+04 / 53
p0 363.4 ± 0.3616
550
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_cav4cQ_mean vs run
χ² / ndf 19.11 / 53
p0 285.6 ± 228.8
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −58.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 54
Mean 0.01354
Std Dev 0.5948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4cQ_rms vs run
χ^2 / ndf 2.836e+04 / 53
p0 161.3 ± 0.1618
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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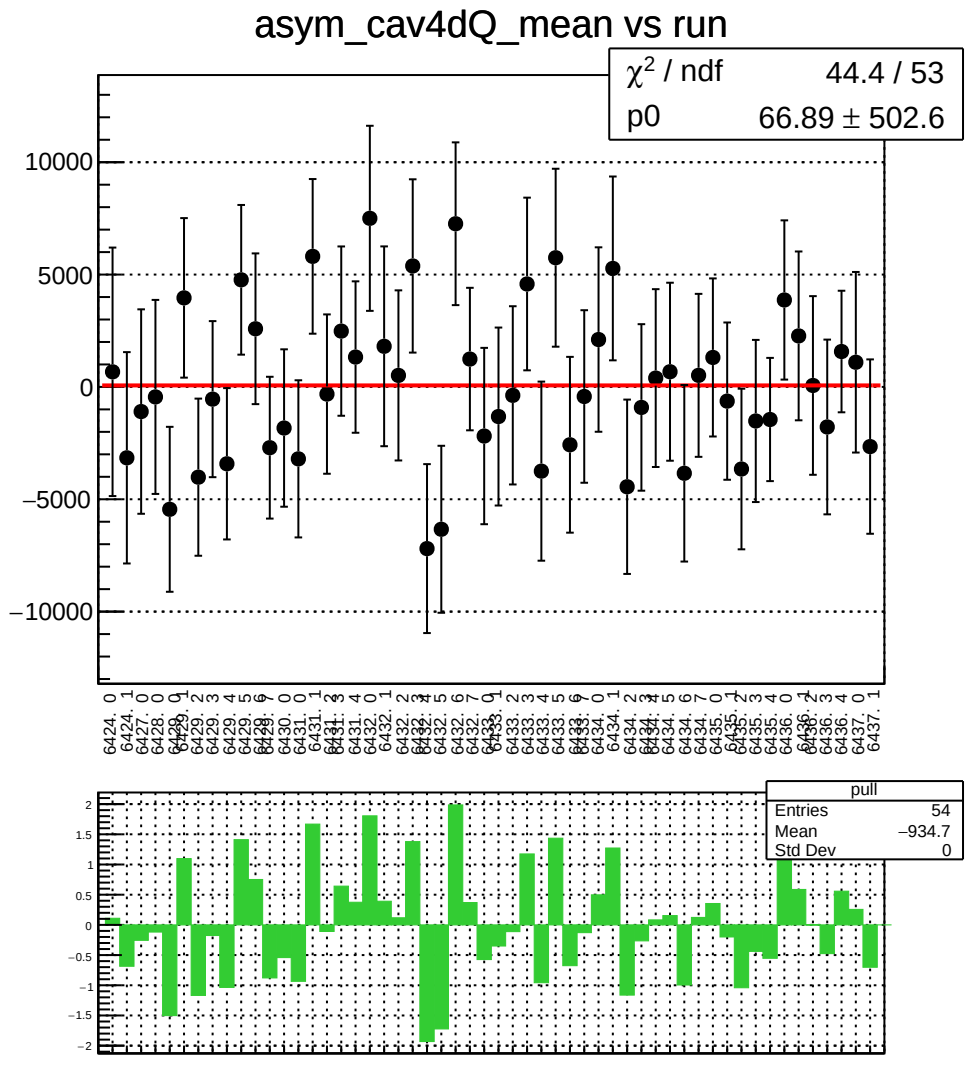
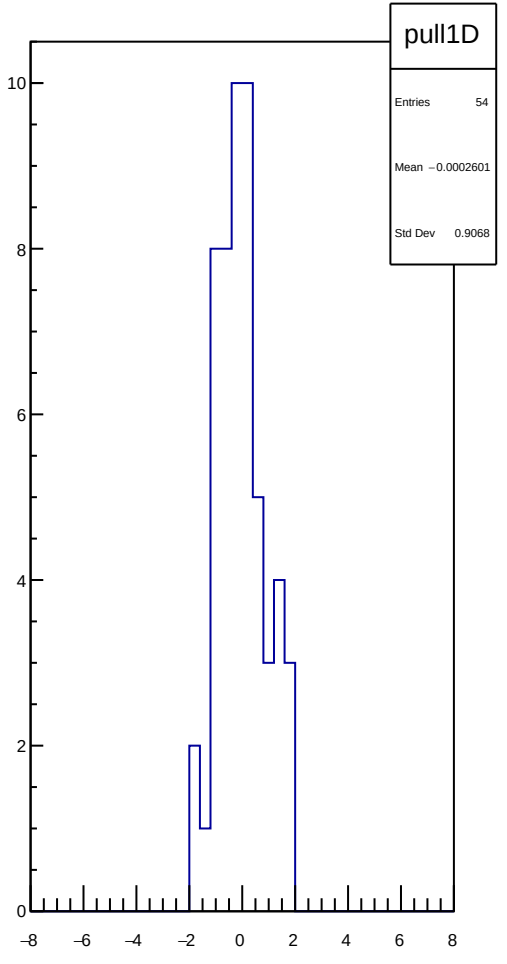
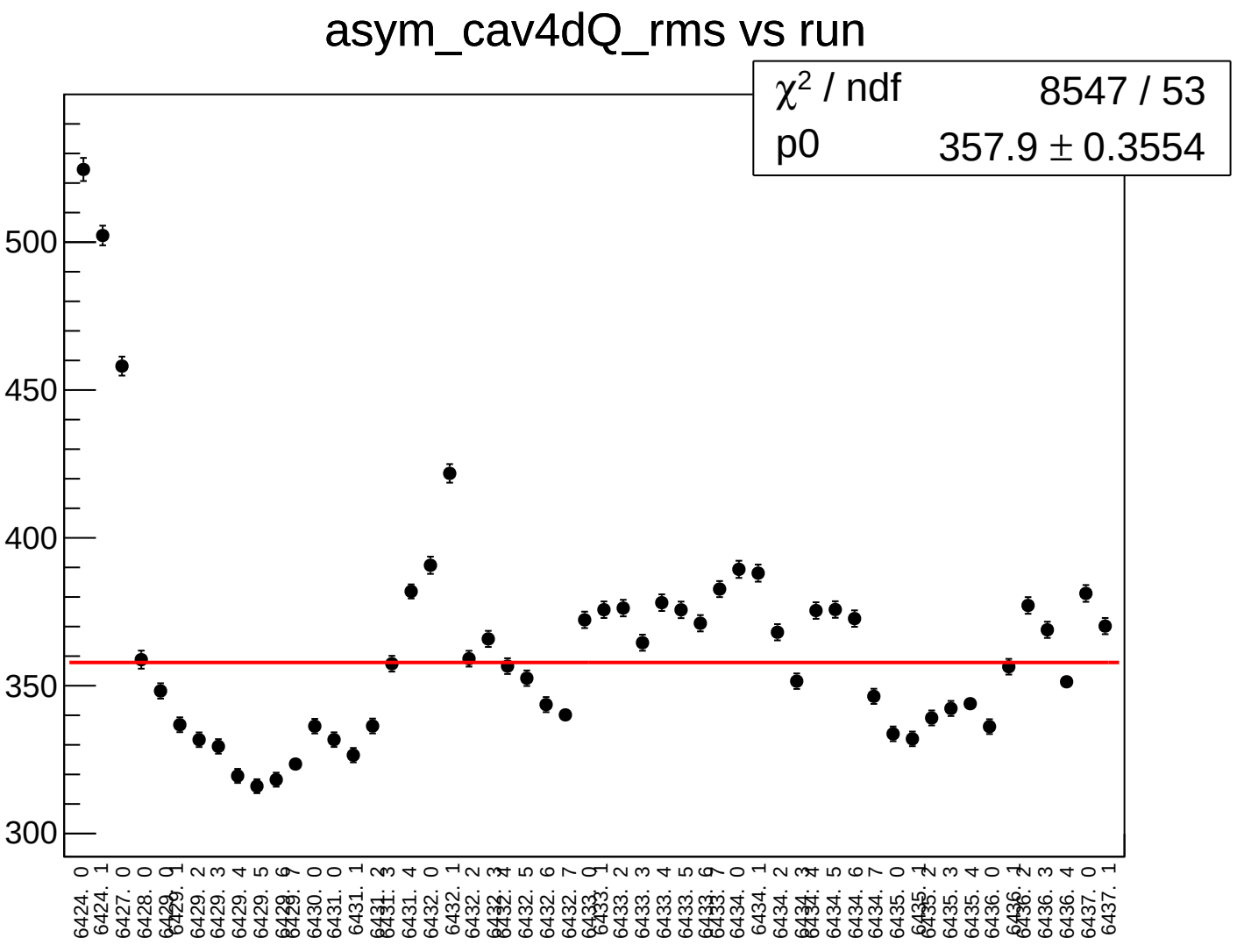
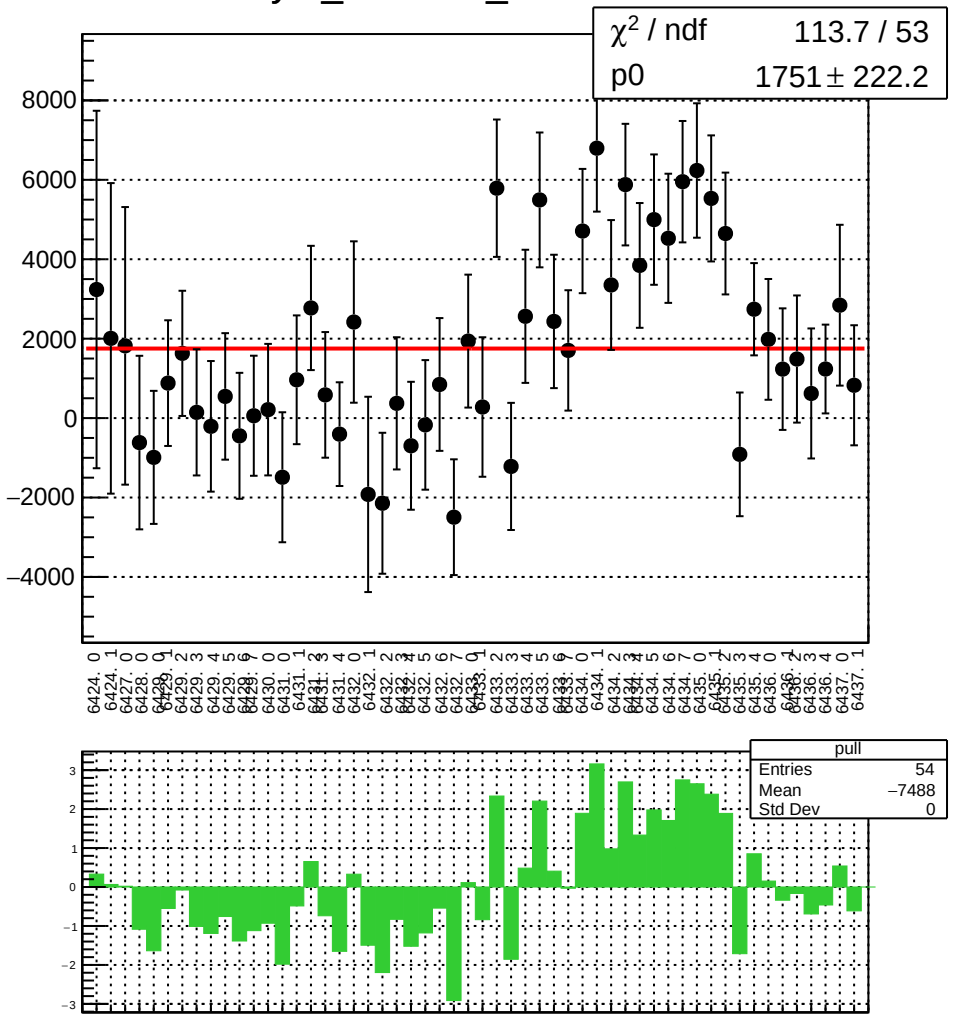
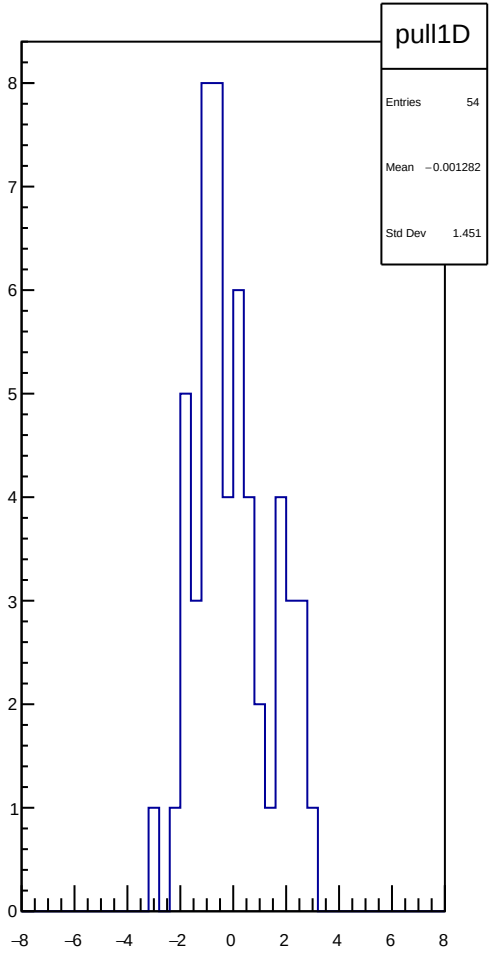
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

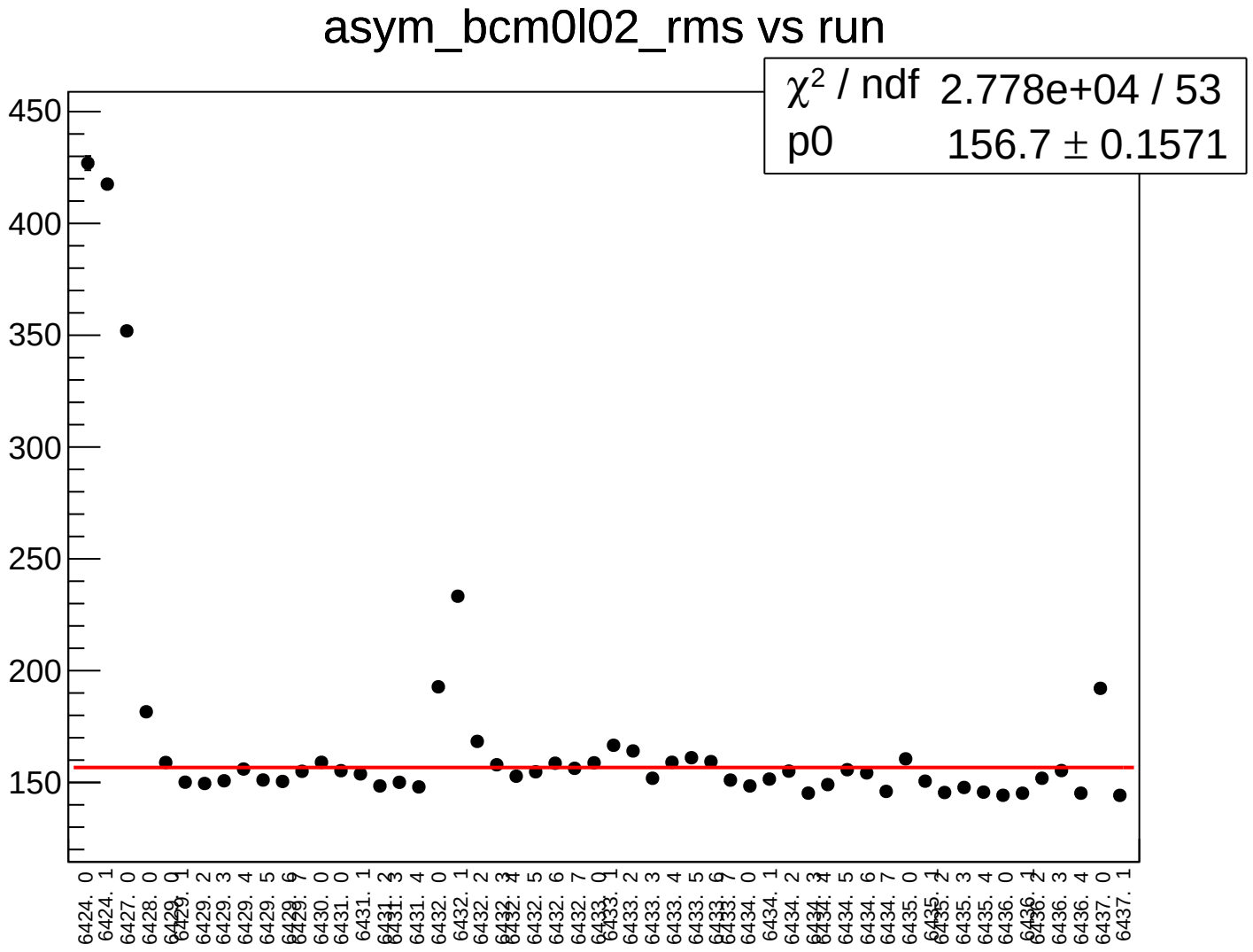

asym_cav4dQ_mean vs run
χ² / ndf 44.4 / 53
p0 66.89 ± 502.6
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −934.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

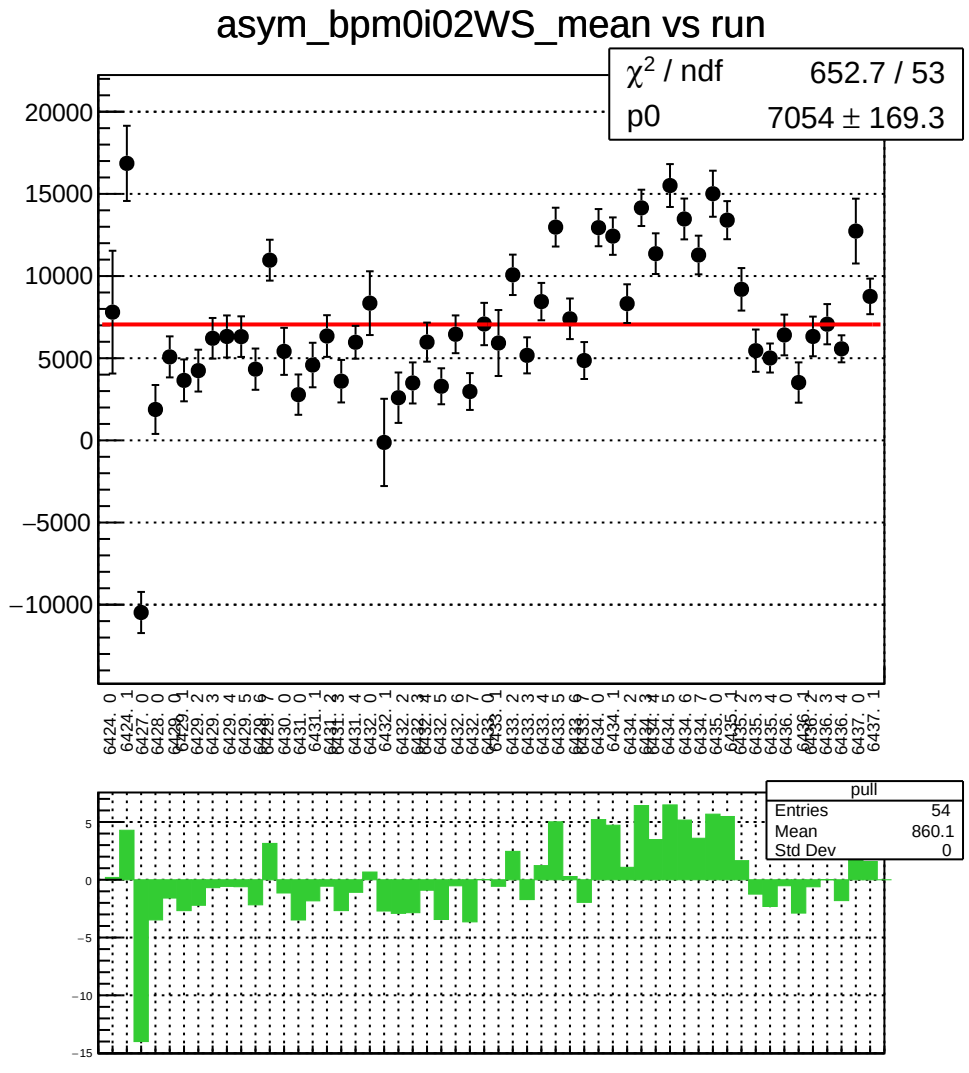

pull1D
Entries 54
Mean −0.0002601
Std Dev 0.9068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

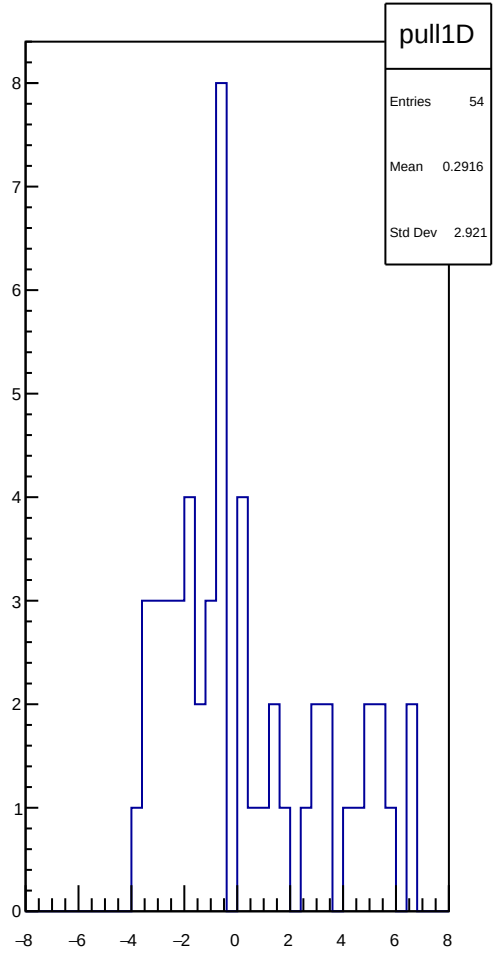

asym_cav4dQ_rms vs run
χ² / ndf 8547 / 53
p0 357.9 ± 0.3554
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

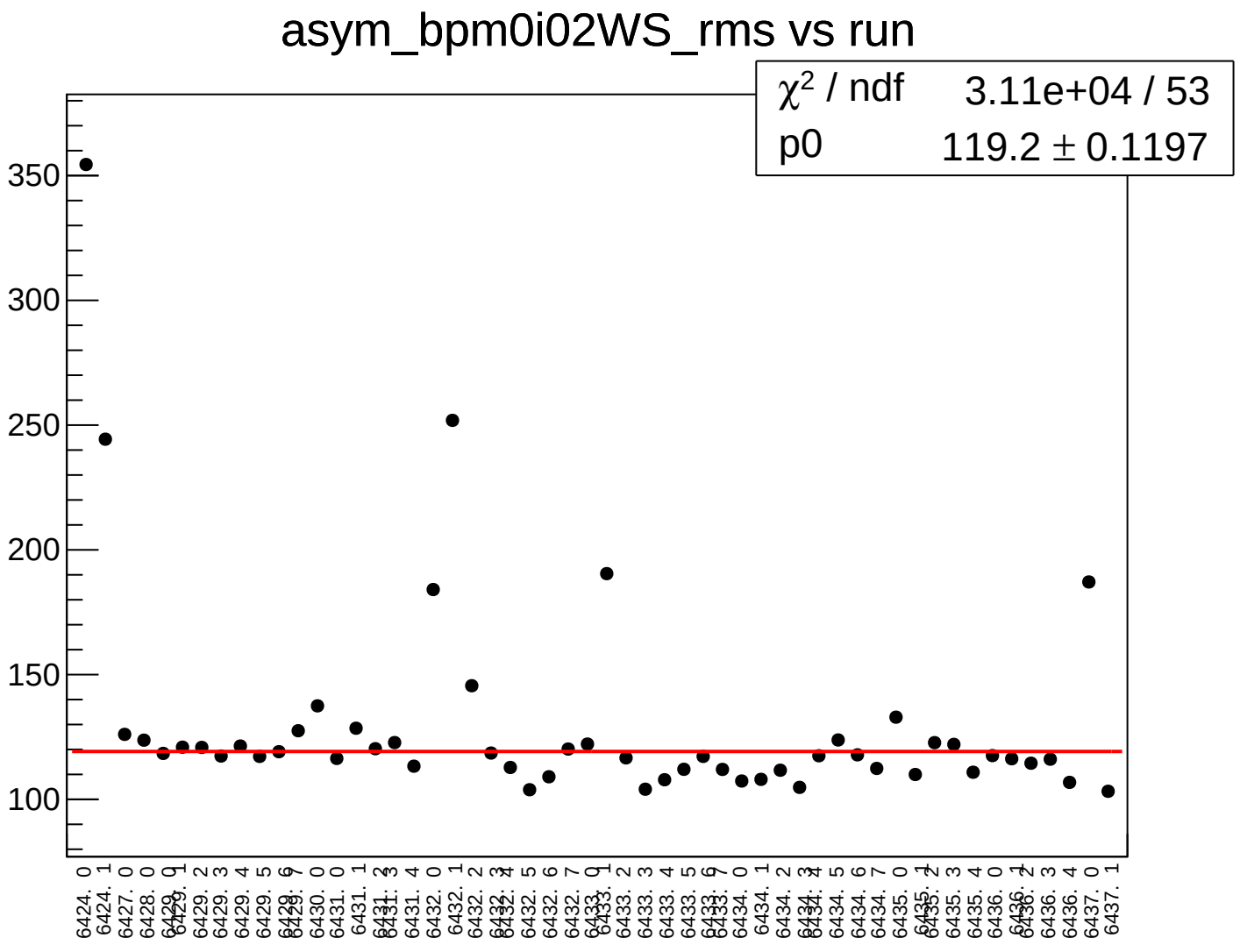

asym_bcm0l02_mean vs run
χ² / ndf 113.7 / 53
p0 1751 ± 222.2
pull
Entries 54
Mean −7488
Std Dev 0

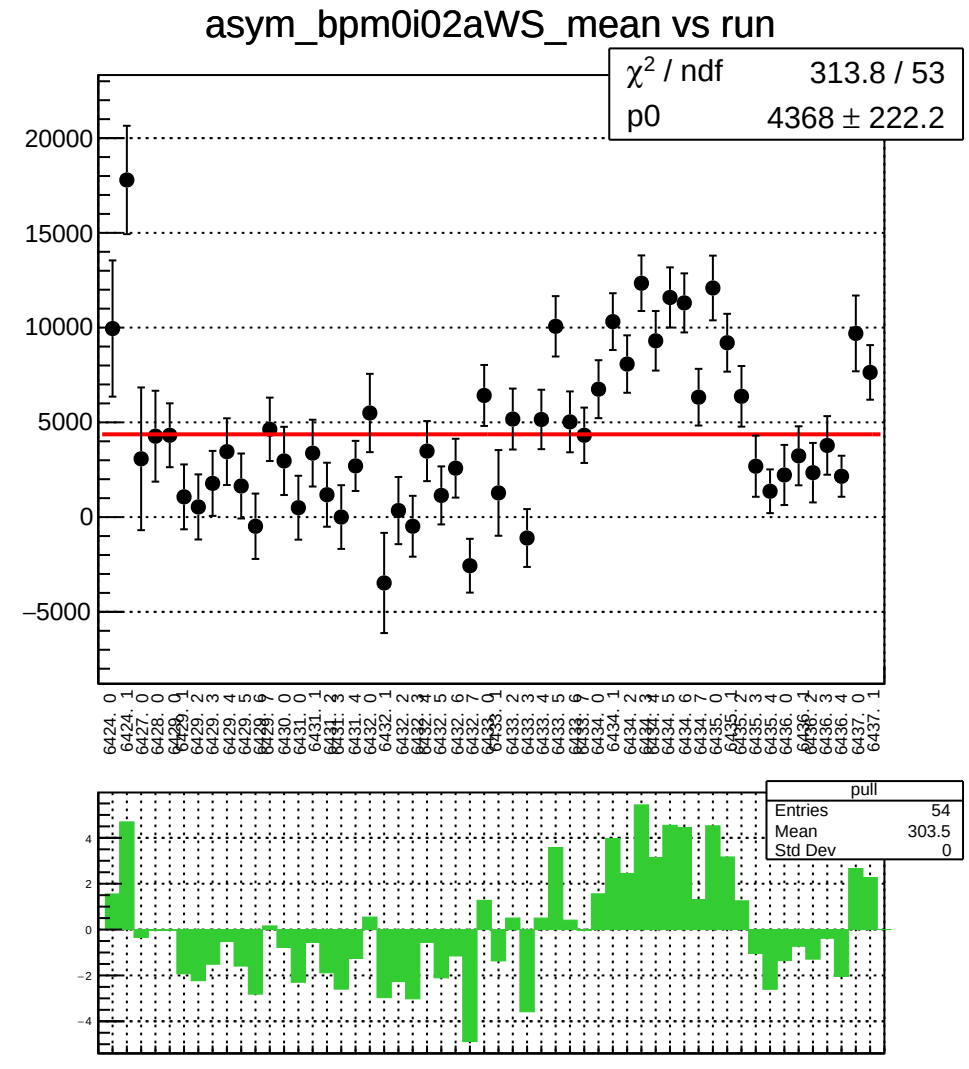

pull1D
Entries 54
Mean −0.001282
Std Dev 1.451

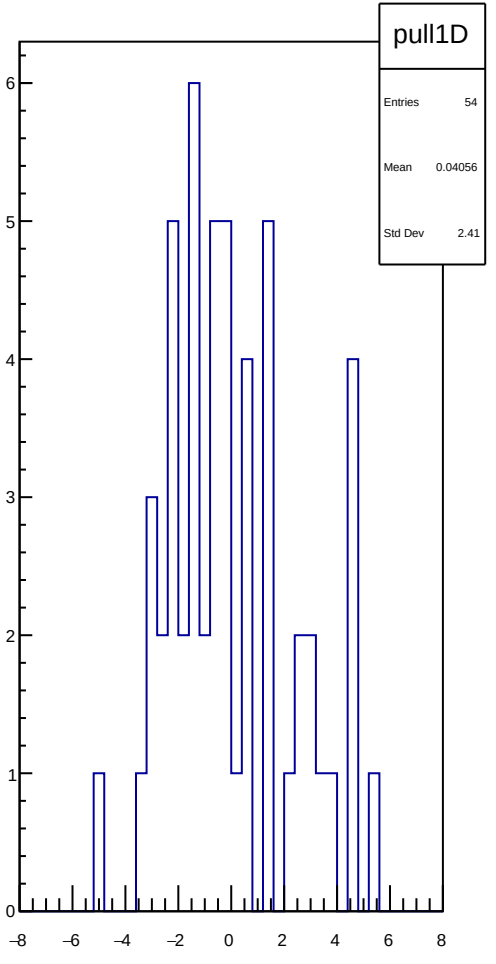

asym_bcm0l02_rms vs run
χ² / ndf 2.778e+04 / 53
p0 156.7 ± 0.1571
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

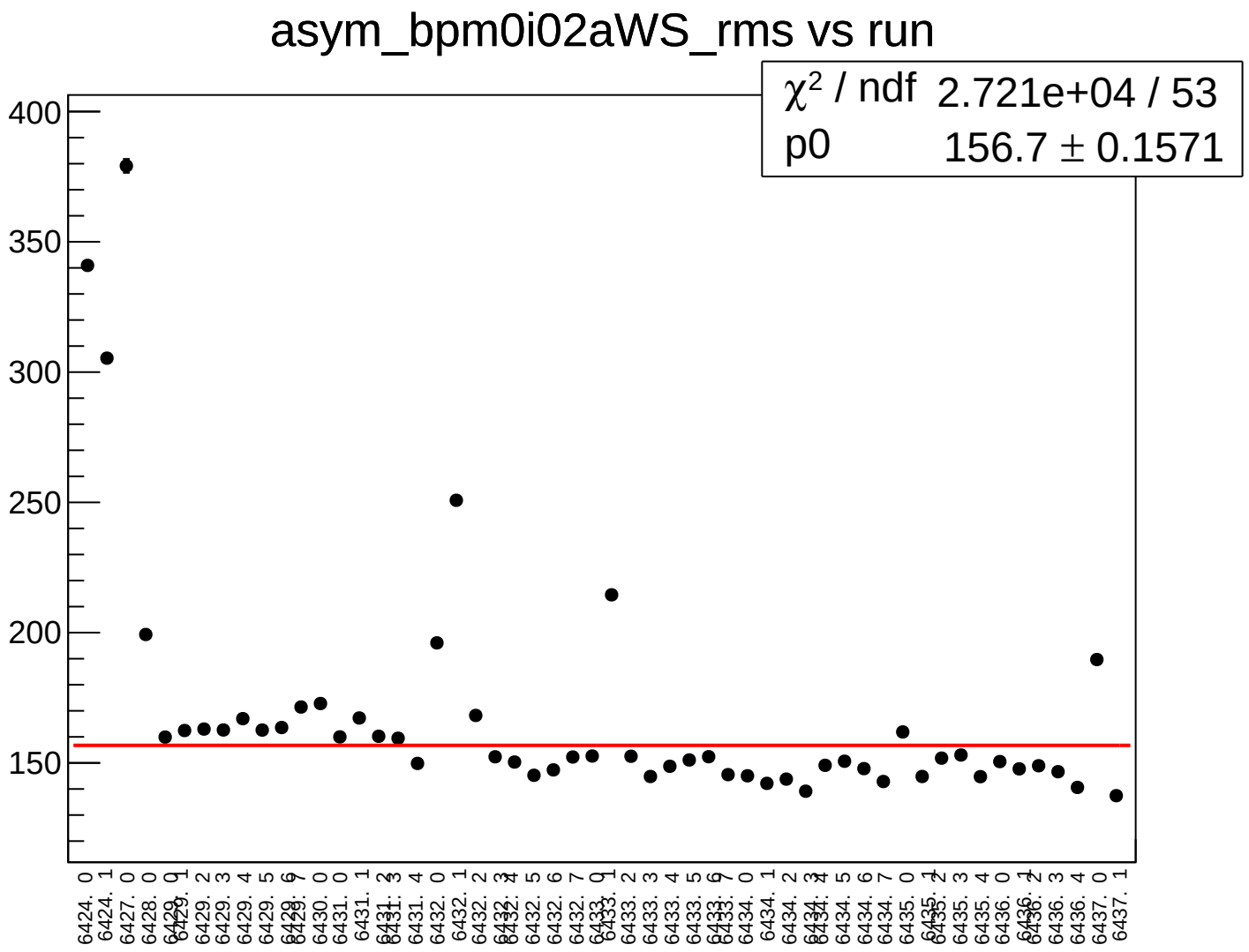

asym_bpm0i02WS_mean vs run
χ² / ndf 652.7 / 53
p0 7054 ± 169.3
pull
Entries 54
Mean 860.1
Std Dev 0

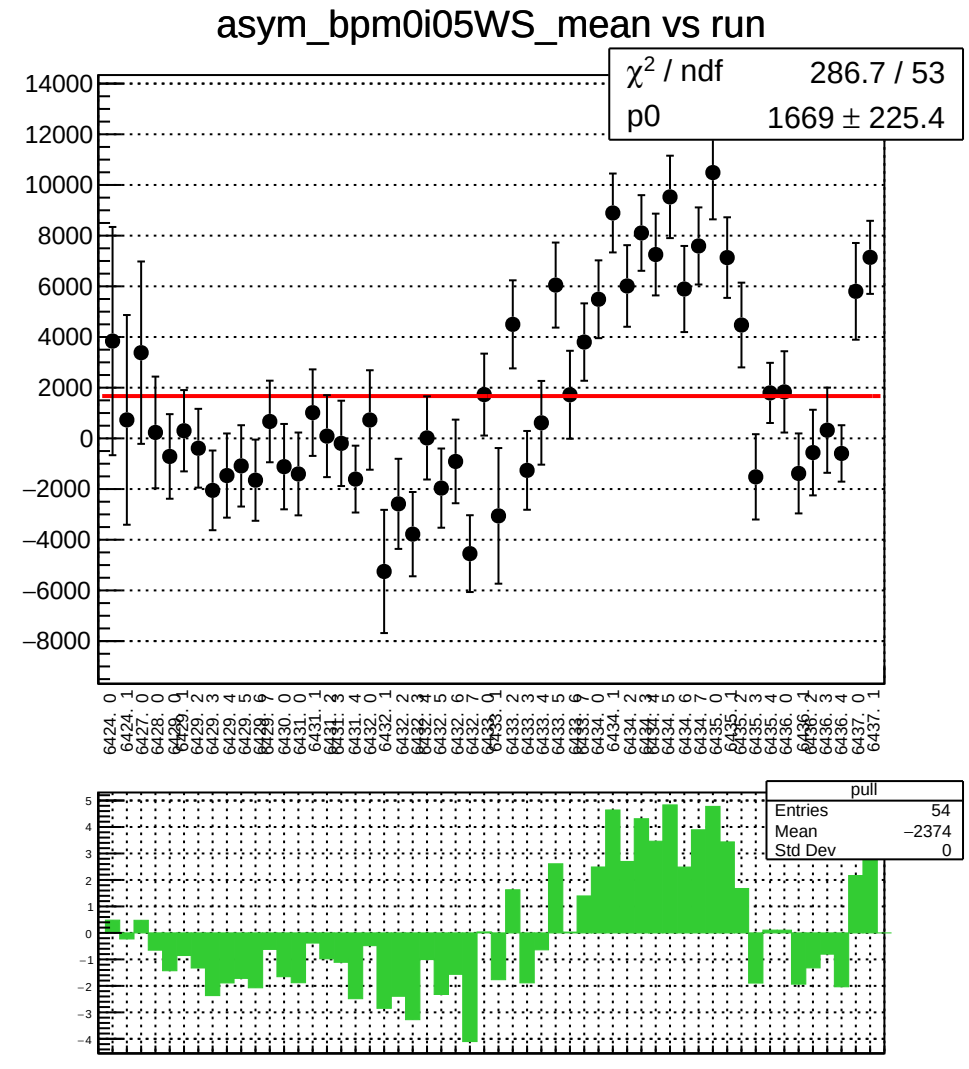

pull1D
Entries 54
Mean 0.2916
Std Dev 2.921

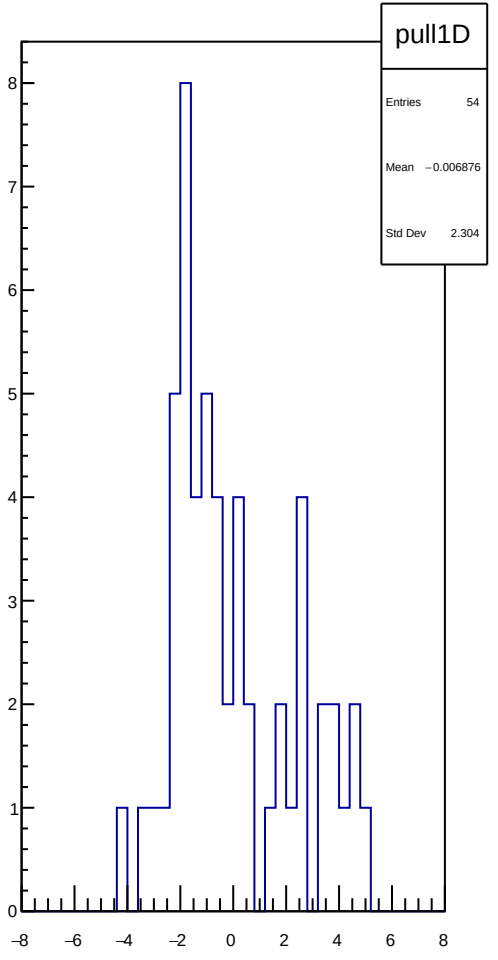

asym_bpm0i02WS_rms vs run
χ² / ndf 3.11e+04 / 53
p0 119.2 ± 0.1197
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

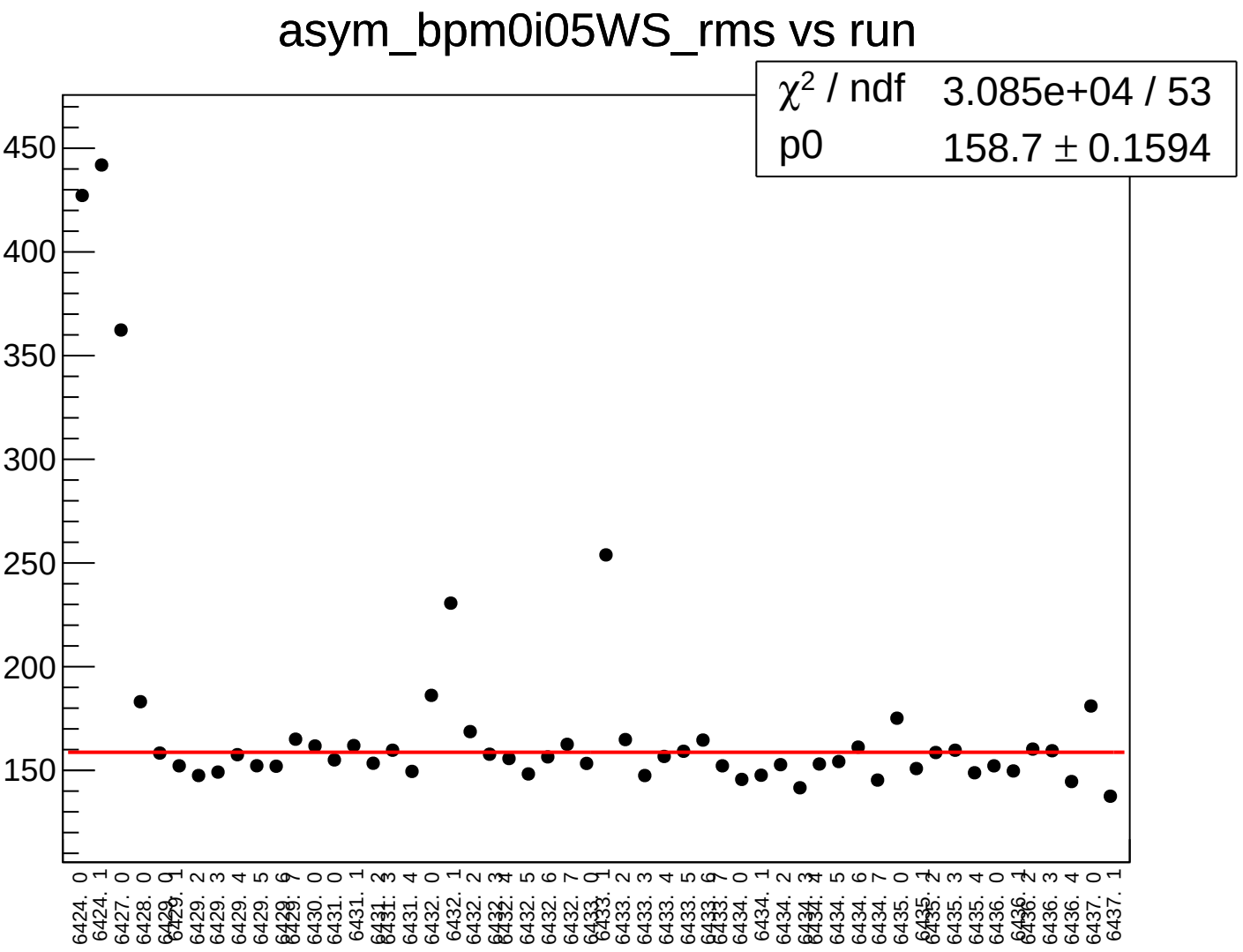

asym_bpm0i02aWS_mean vs run
χ² / ndf 313.8 / 53
p0 4368 ± 222.2
20000
15000
10000
5000
0
−5000
pull
Entries 54
Mean 303.5
Std Dev 0
4
2
0
−2
−4

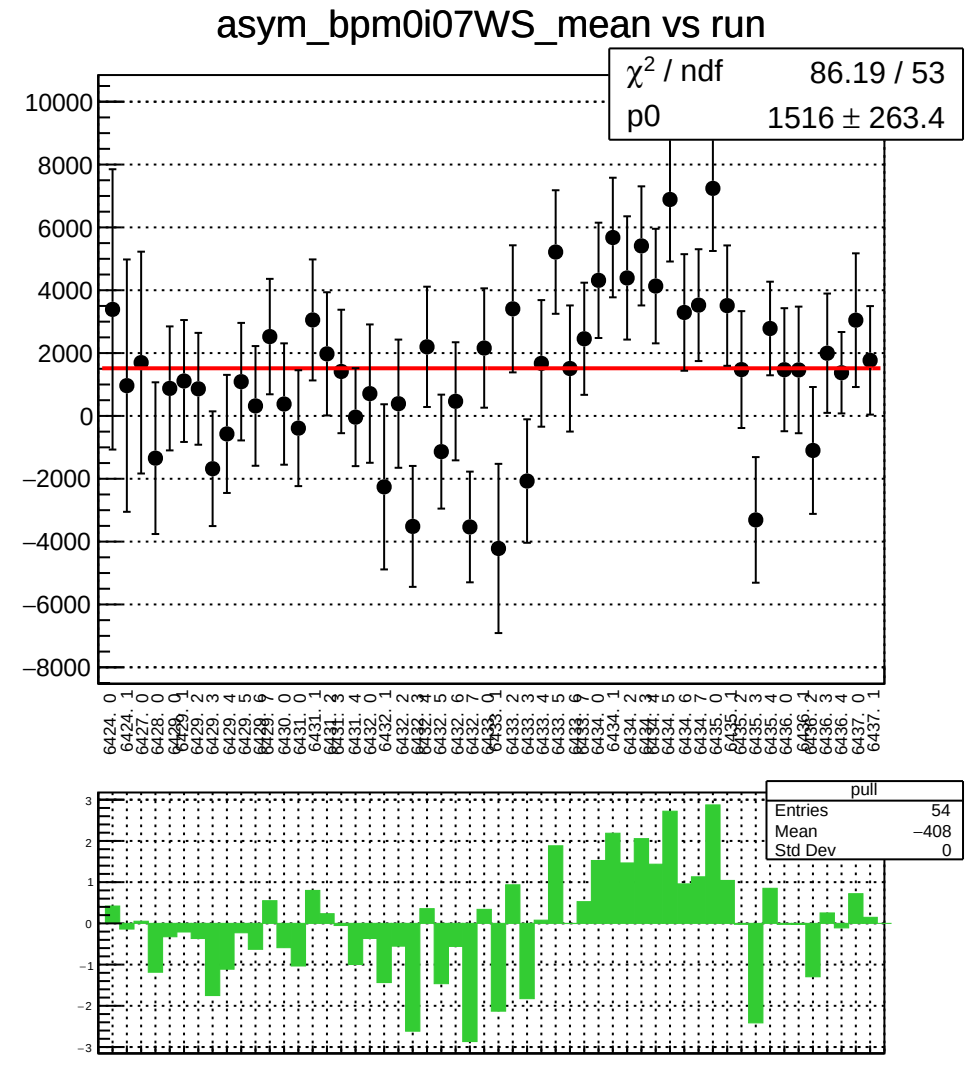

pull1D
Entries 54
Mean 0.04056
Std Dev 2.41
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

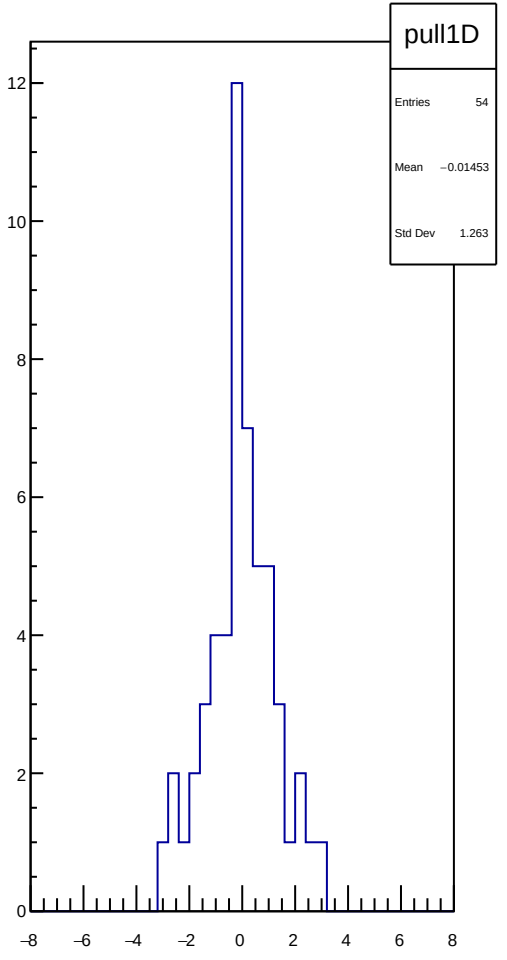

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.721e+04 / 53
p0 156.7 ± 0.1571
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

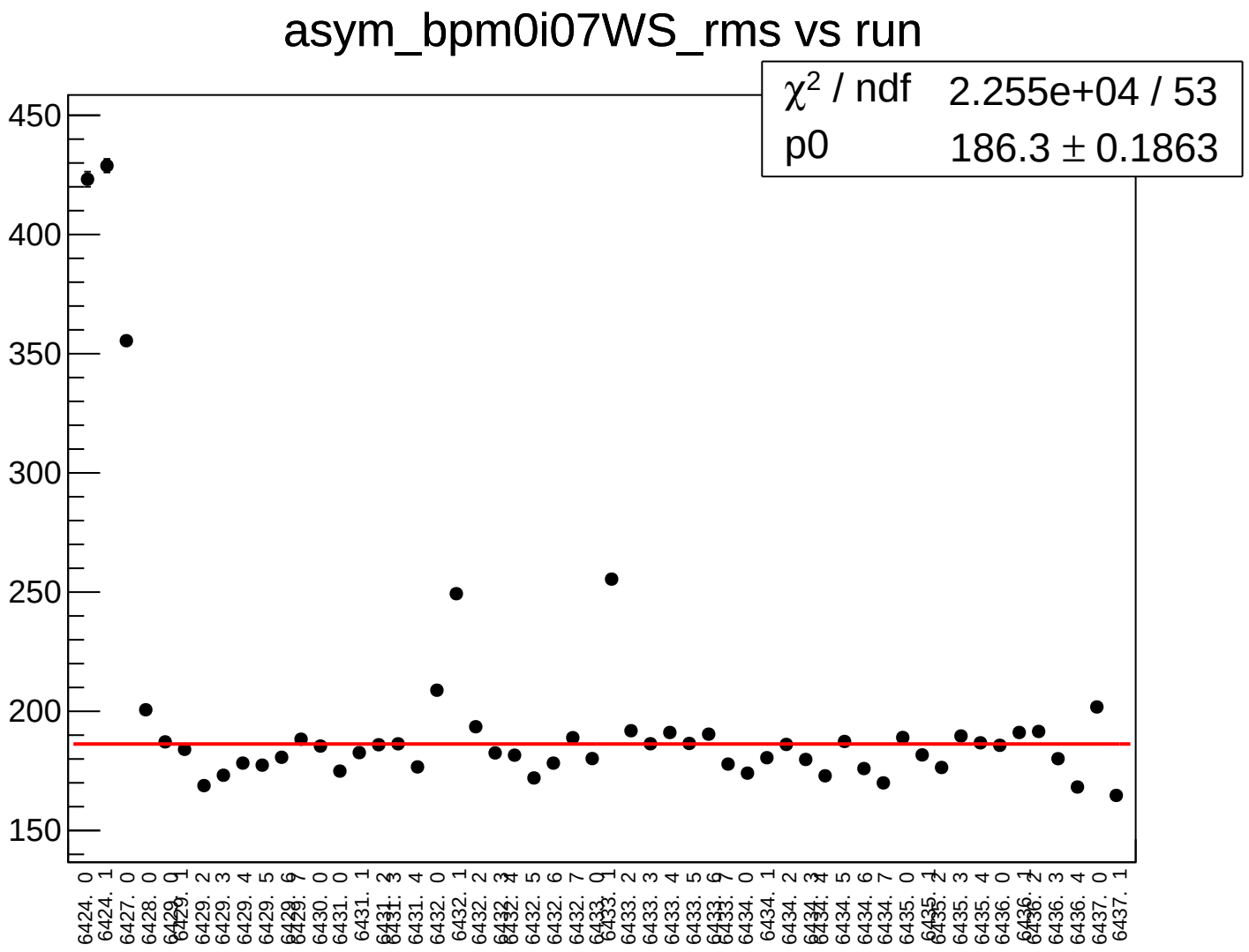

asym_bpm0i05WS_mean vs run
χ² / ndf 286.7 / 53
p0 1669 ± 225.4
pull
Entries 54
Mean −2374
Std Dev 0

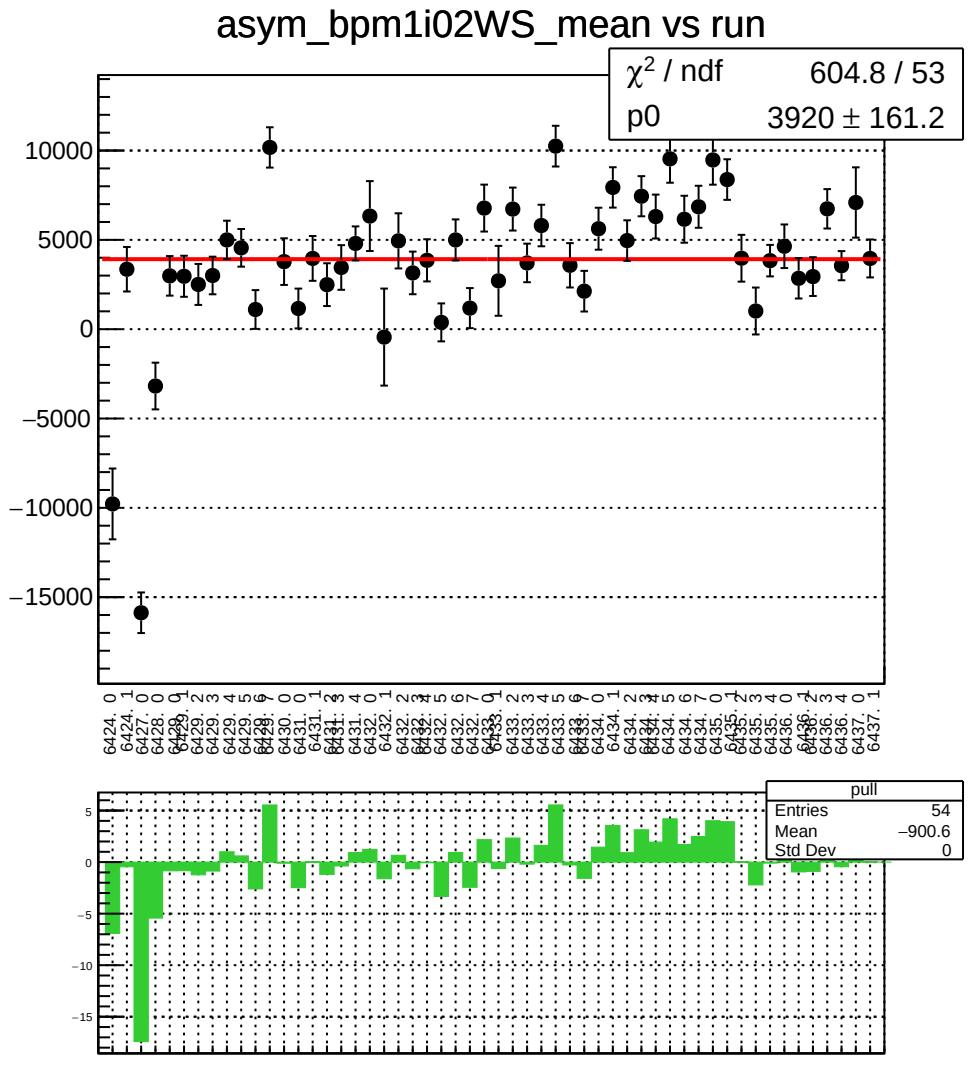

pull1D
Entries 54
Mean −0.006876
Std Dev 2.304

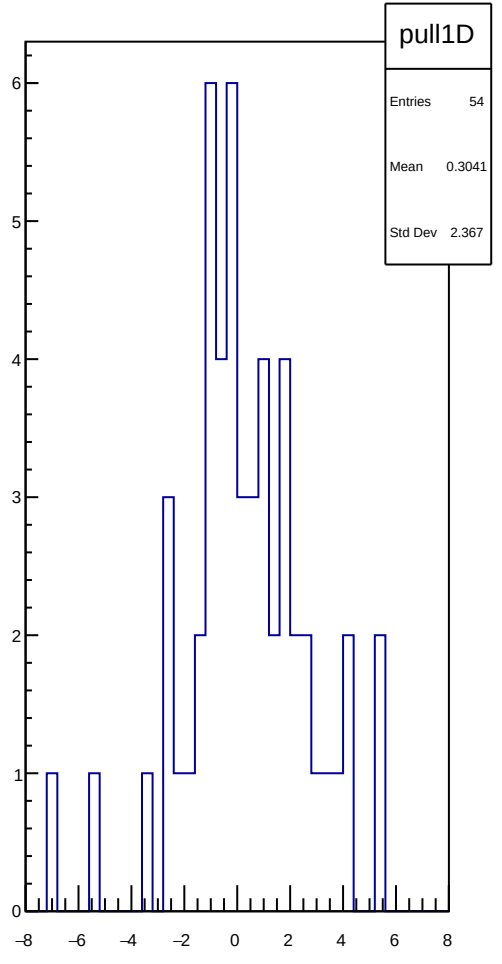

asym_bpm0i05WS_rms vs run
χ² / ndf 3.085e+04 / 53
p0 158.7 ± 0.1594
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

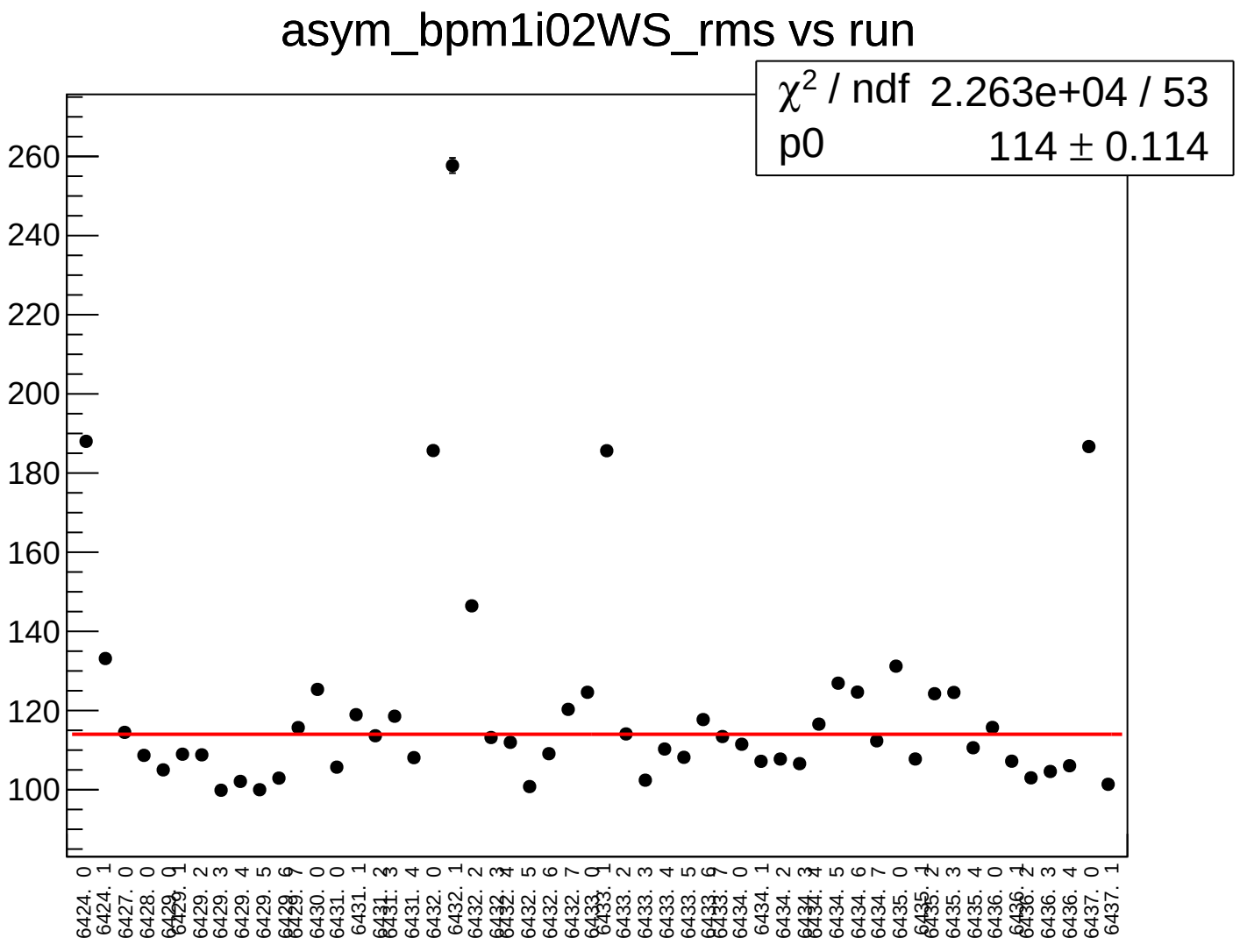

asym_bpm0i07WS_mean vs run
χ² / ndf 86.19 / 53
p0 1516 ± 263.4
pull
Entries 54
Mean −408
Std Dev 0

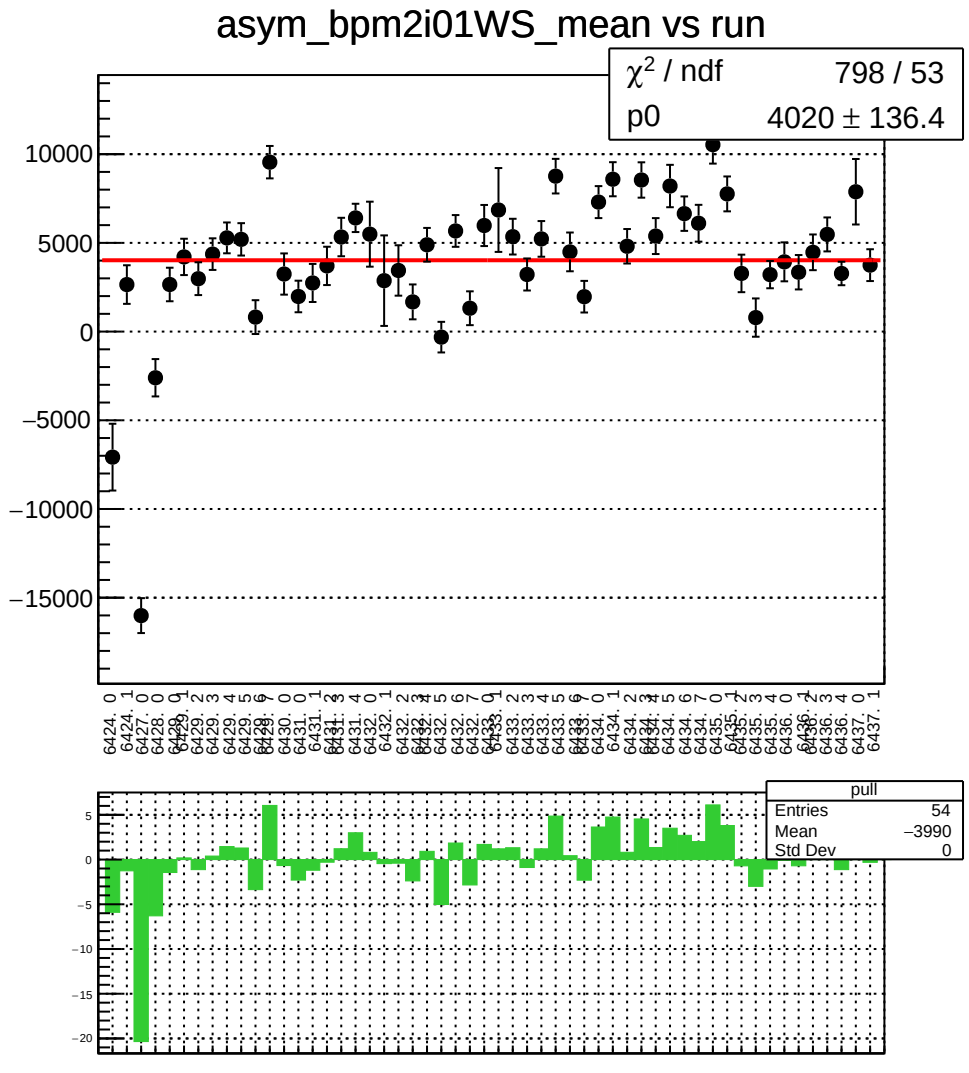

pull1D
Entries 54
Mean −0.01453
Std Dev 1.263

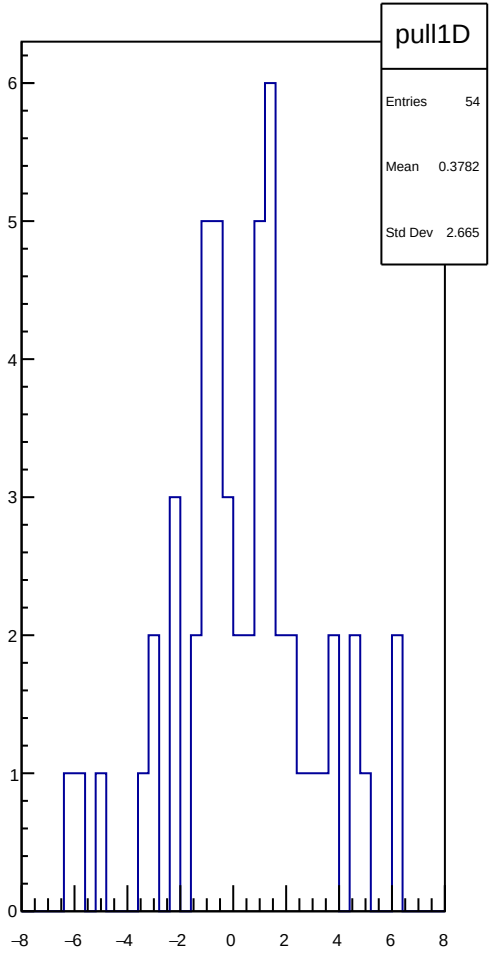

asym_bpm0i07WS_rms vs run
χ^2 / ndf 2.255e+04 / 53
p0 186.3 ± 0.1863
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

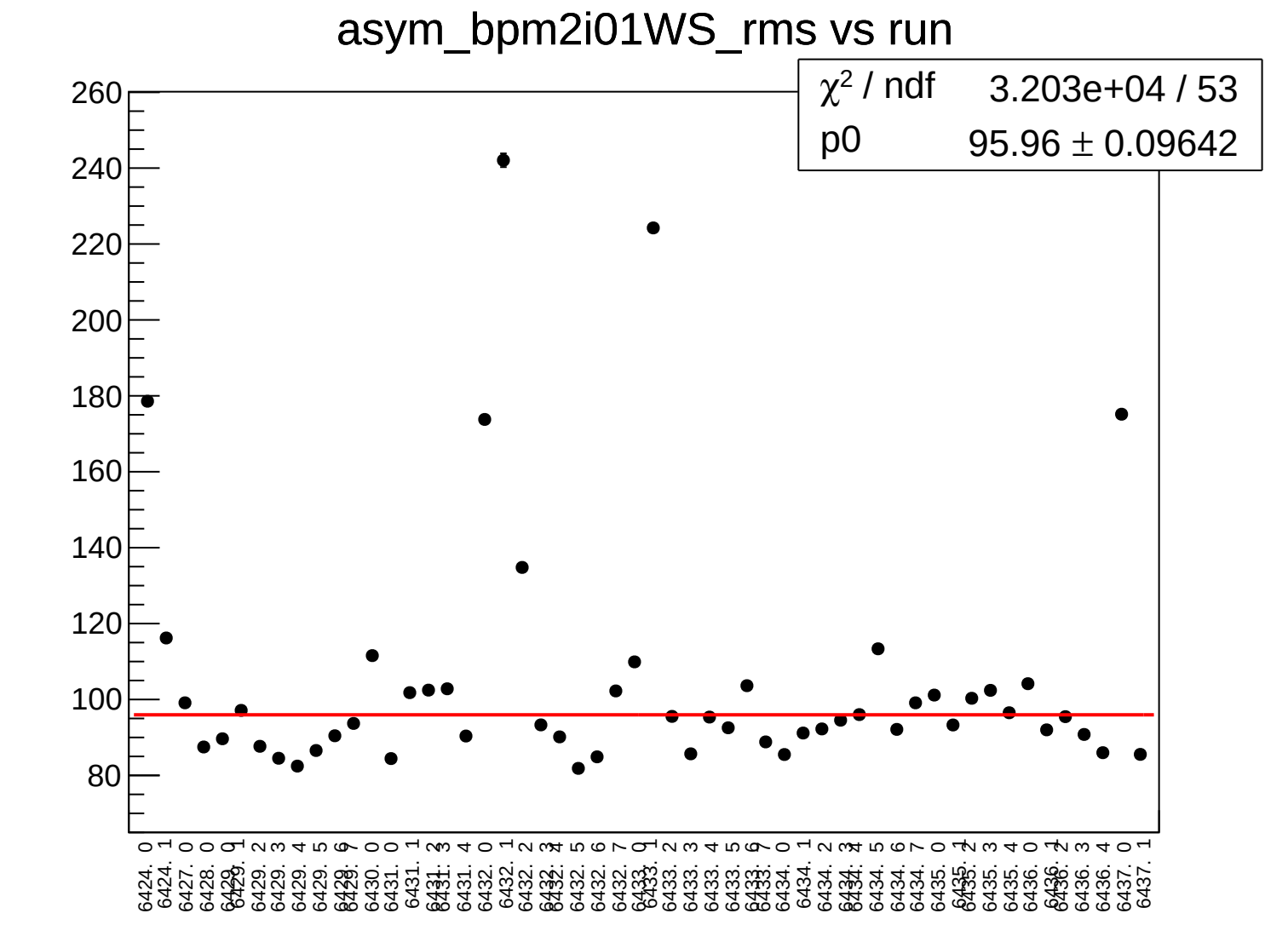

asym_bpm1i02WS_mean vs run
χ² / ndf 604.8 / 53
p0 3920 ± 161.2
pull
Entries 54
Mean −900.6
Std Dev 0

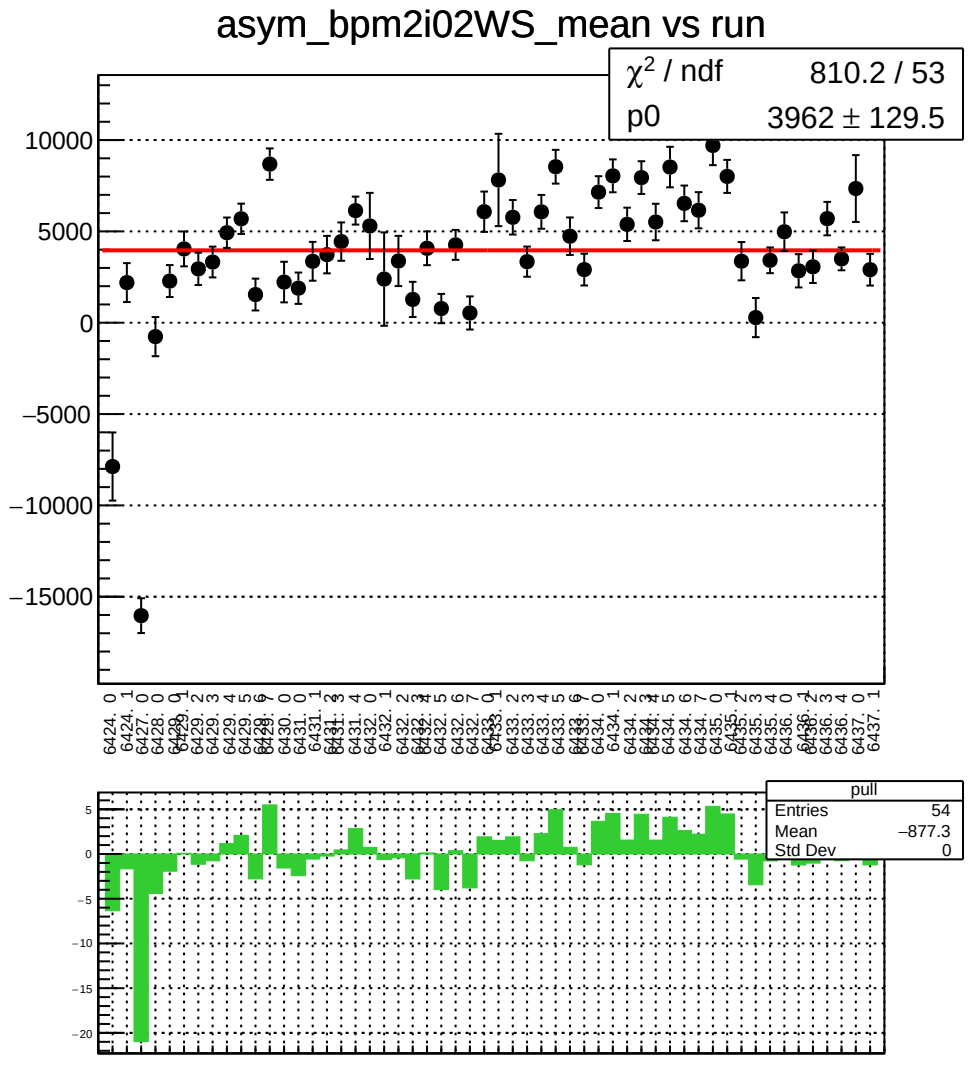

pull1D
Entries 54
Mean 0.3041
Std Dev 2.367

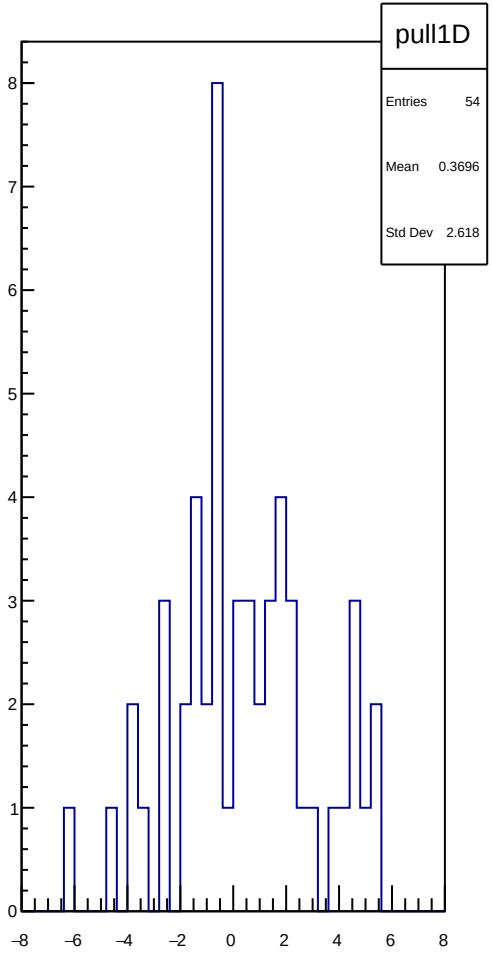

asym_bpm1i02WS_rms vs run
χ^2 / ndf 2.263e+04 / 53
p0 114 ± 0.114
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

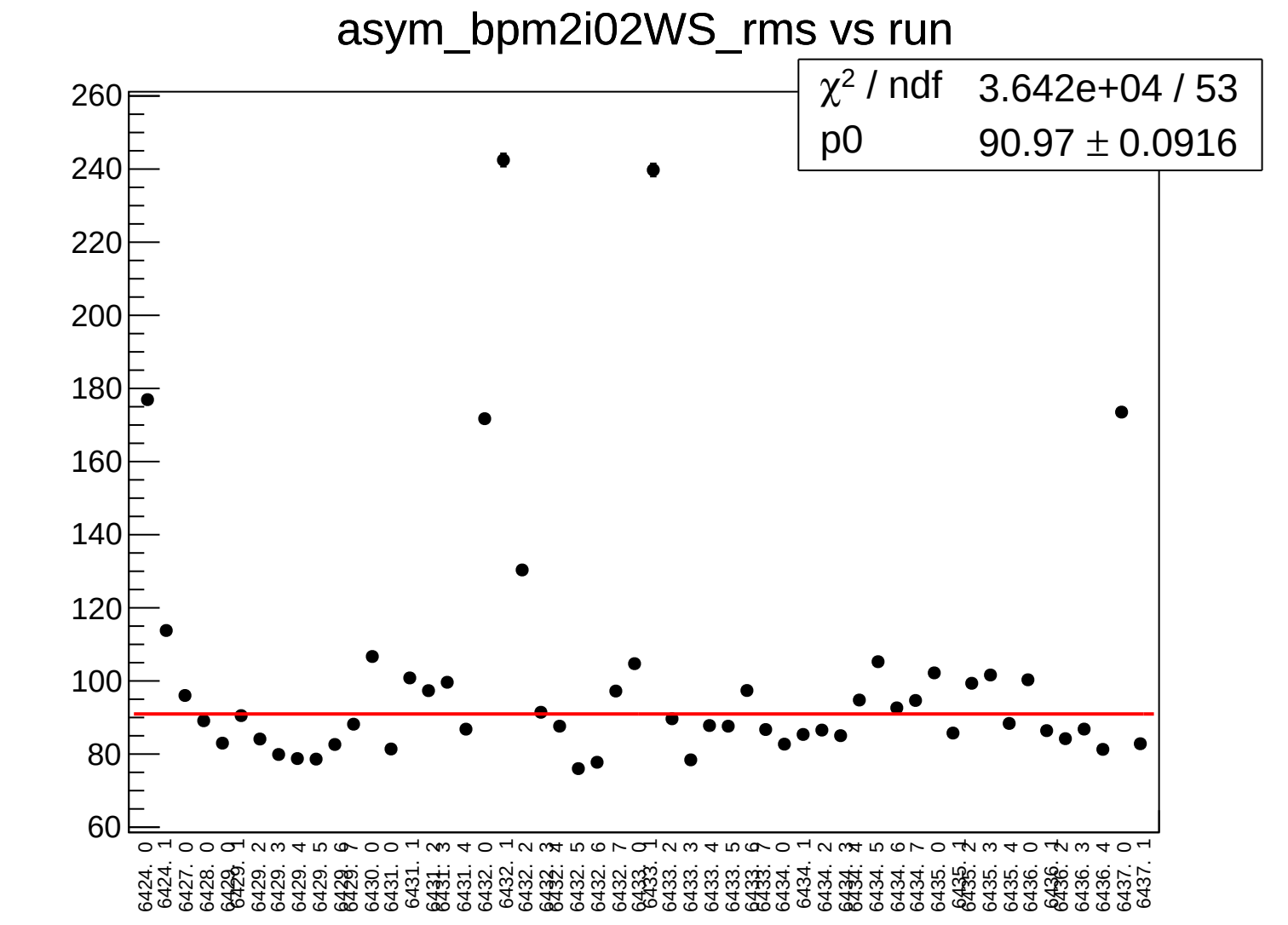

asym_bpm2i01WS_mean vs run
χ² / ndf 798 / 53
p0 4020 ± 136.4
pull
Entries 54
Mean −3990
Std Dev 0


pull1D
Entries 54
Mean 0.3782
Std Dev 2.665


asym_bpm2i01WS_rms vs run
χ² / ndf 3.203e+04 / 53
p0 95.96 ± 0.09642
260
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm2i02WS_mean vs run
χ^2 / ndf 810.2 / 53
p0 3962 ± 129.5
pull
Entries 54
Mean −877.3
Std Dev 0


pull1D
Entries 54
Mean 0.3696
Std Dev 2.618


asym_bpm2i02WS_rms vs run
χ² / ndf 3.642e+04 / 53
p0 90.97 ± 0.0916
260
240
220
200
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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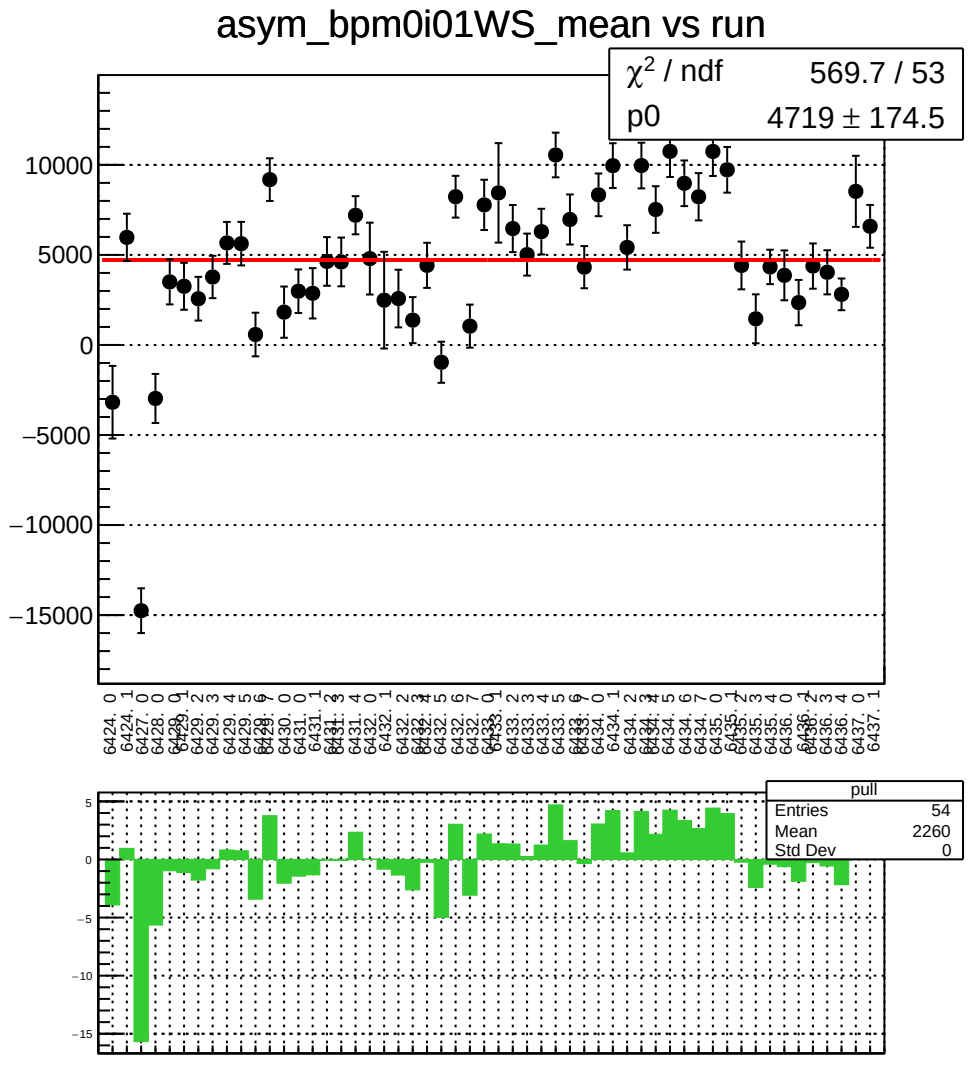
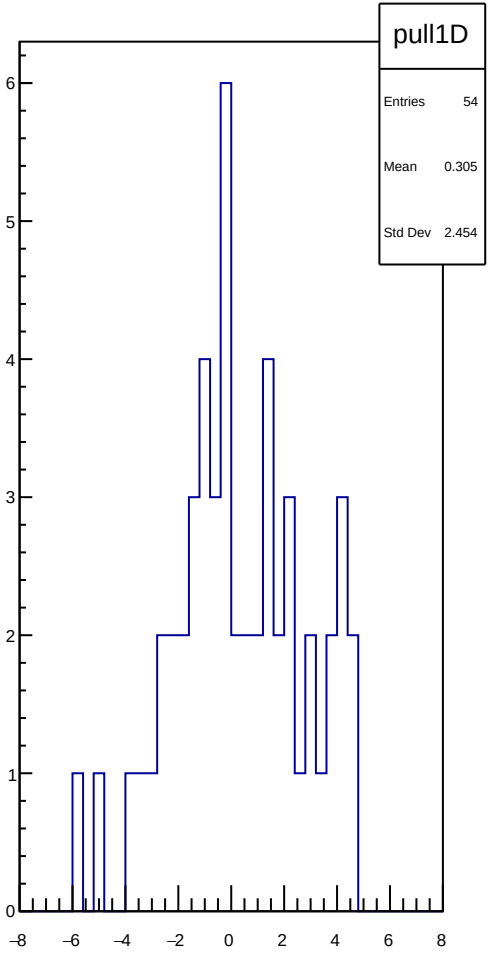
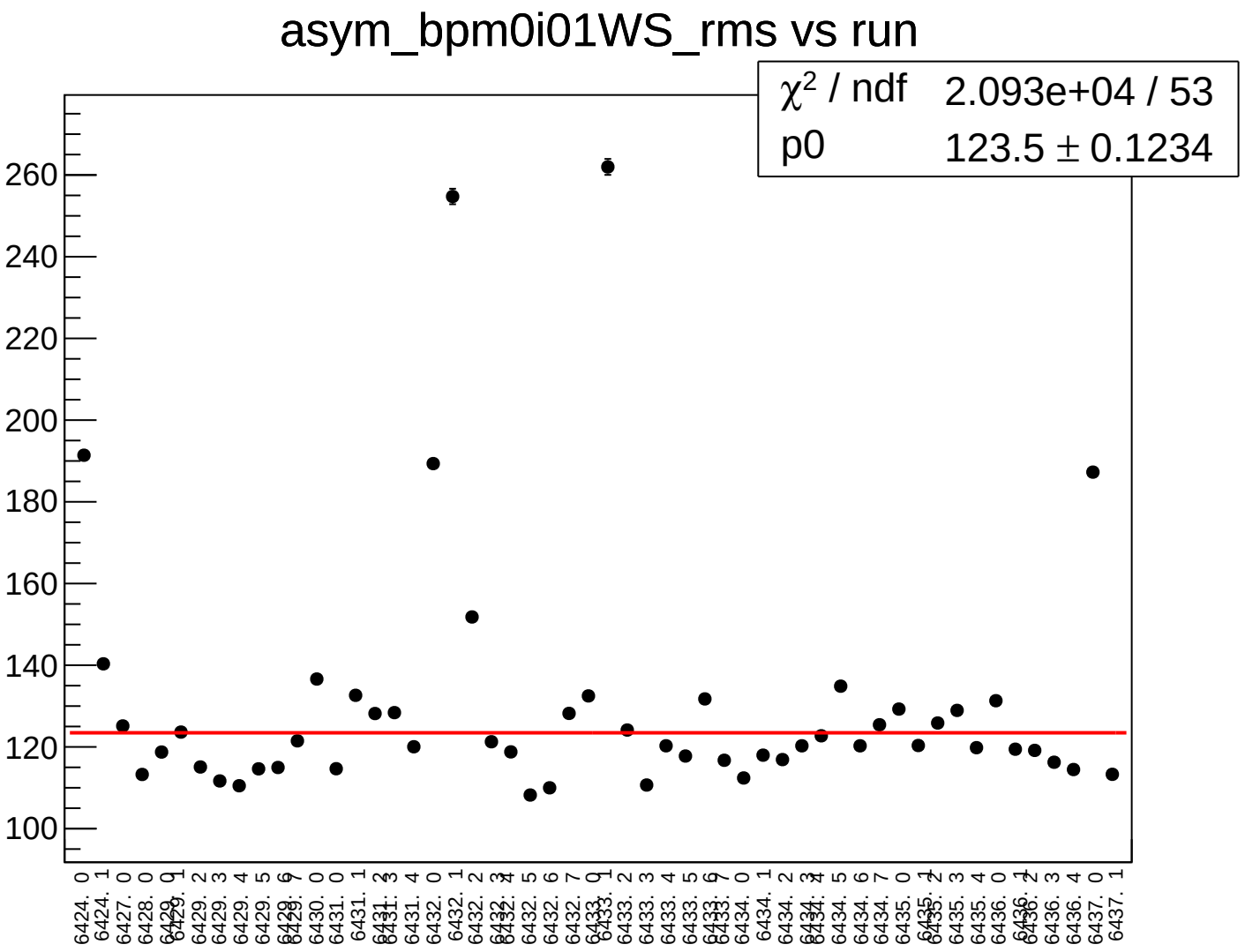
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0i01WS_mean vs run
χ² / ndf 569.7 / 53
p0 4719 ± 174.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 2260
Std Dev 0
5
0
−5
−10
−15


pull1D
Entries 54
Mean 0.305
Std Dev 2.454
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i01WS_rms vs run
χ^2 / ndf 2.093e+04 / 53
p0 123.5 ± 0.1234
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6434. 1
6434. 2
6434. 5
6434. 6
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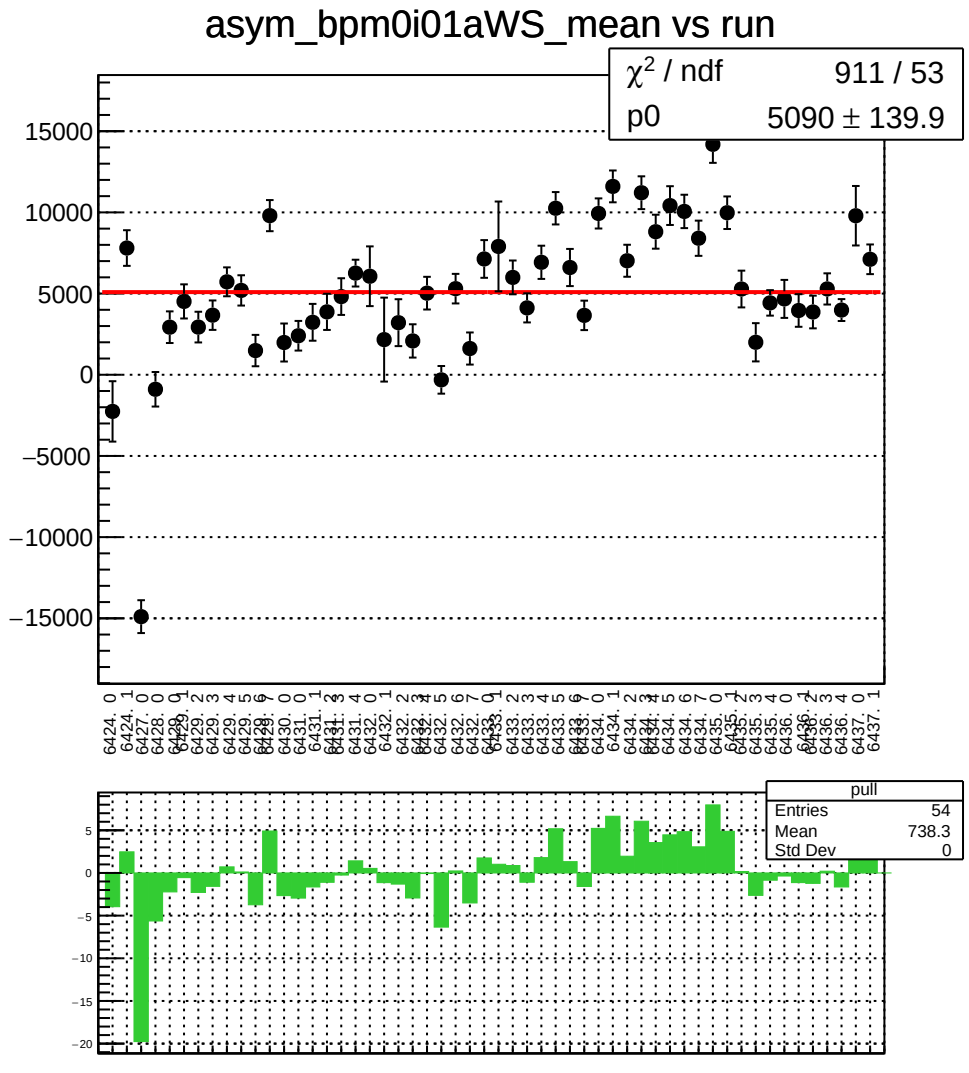
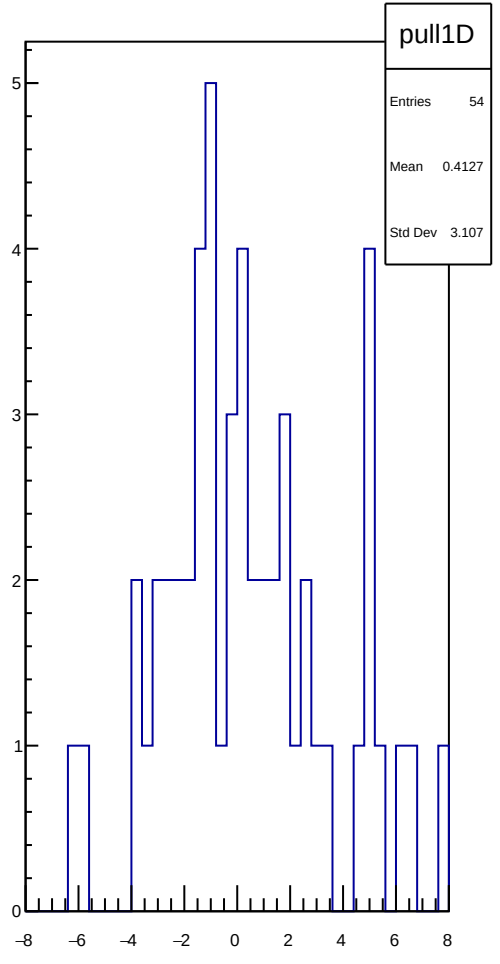
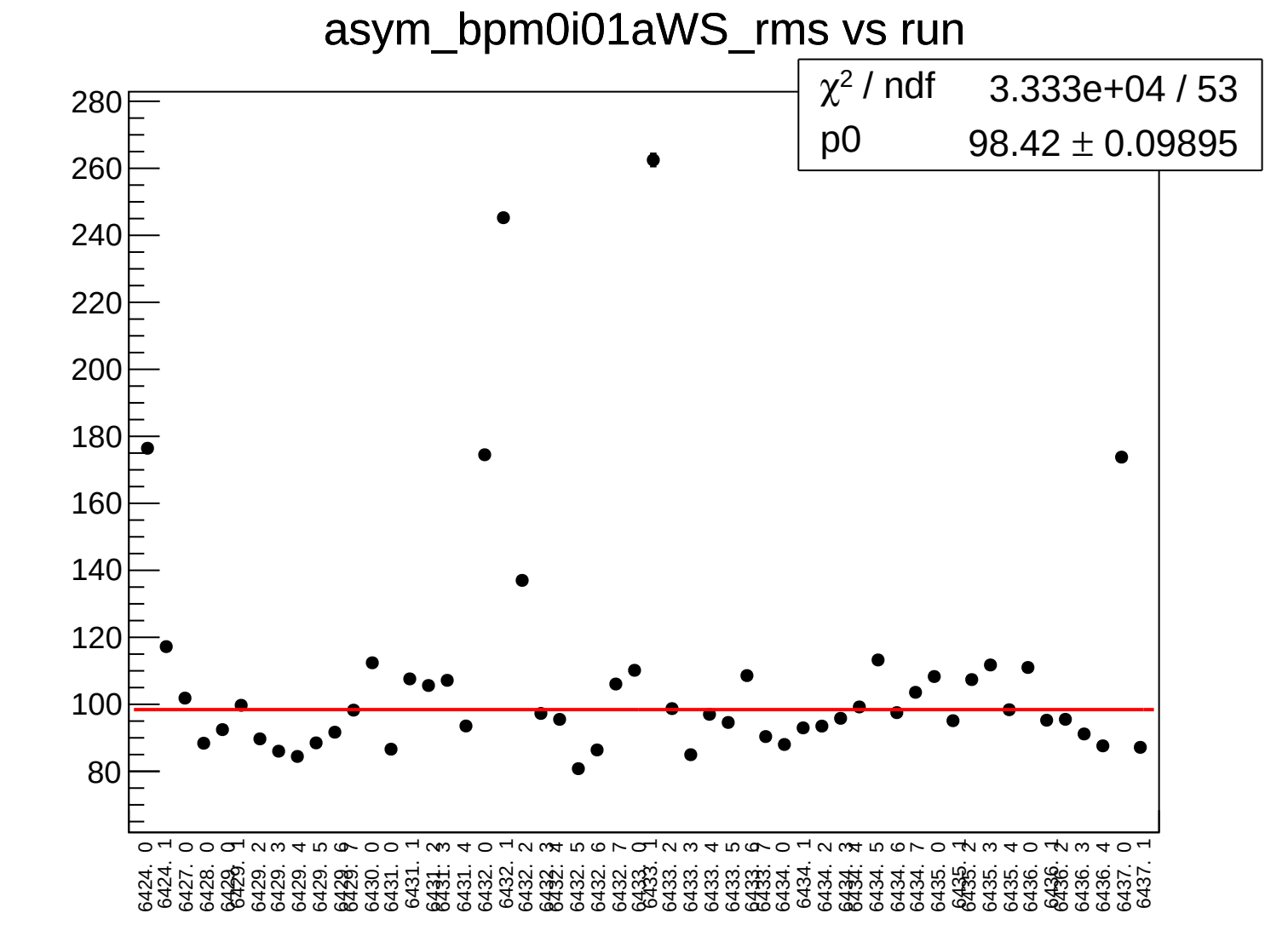
6437. 1


asym_bpm0i01aWS_mean vs run
χ² / ndf 911 / 53
p0 5090 ± 139.9
pull
Entries 54
Mean 738.3
Std Dev 0


pull1D
Entries 54
Mean 0.4127
Std Dev 3.107


asym_bpm0i01aWS_rms vs run
χ^2 / ndf 3.333e+04 / 53
p0 98.42 ± 0.09895
280
260
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
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6434. 5
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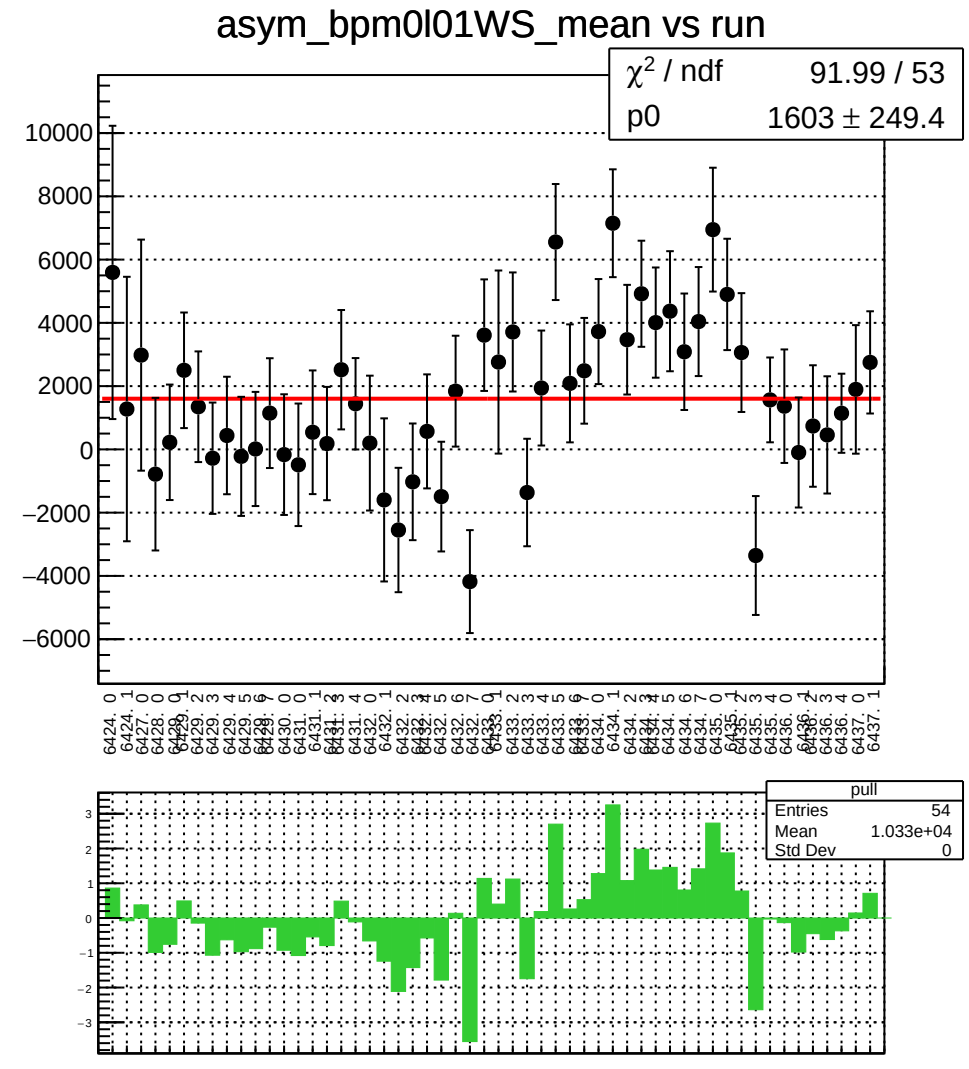
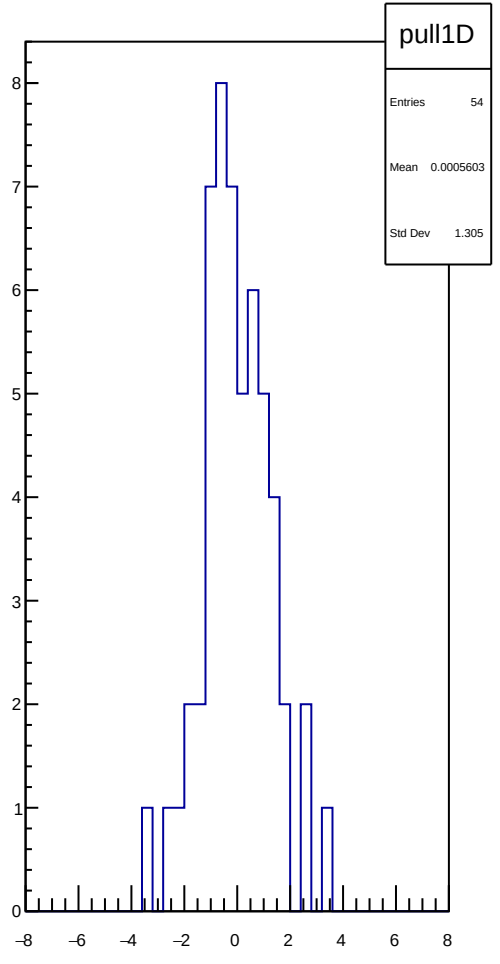
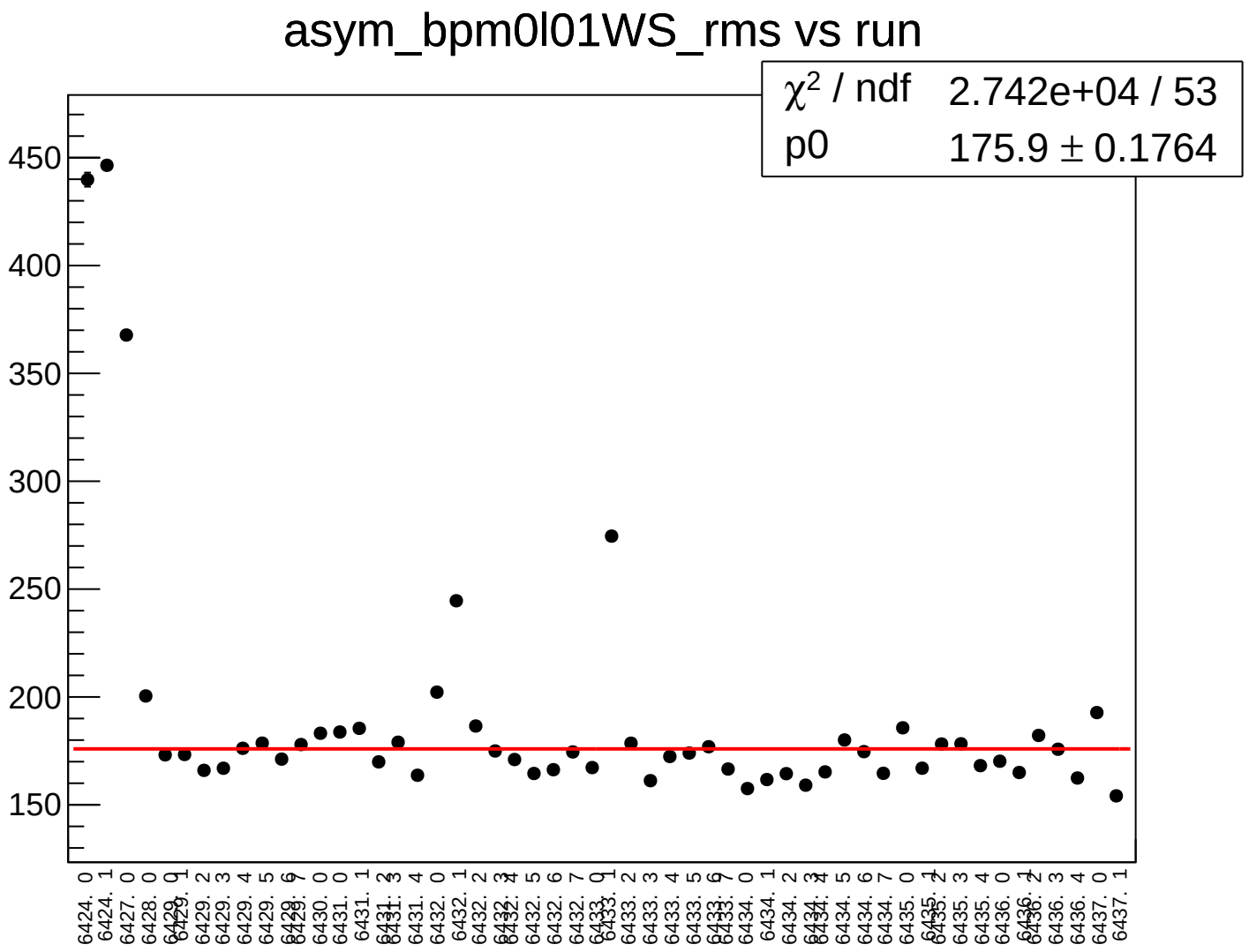
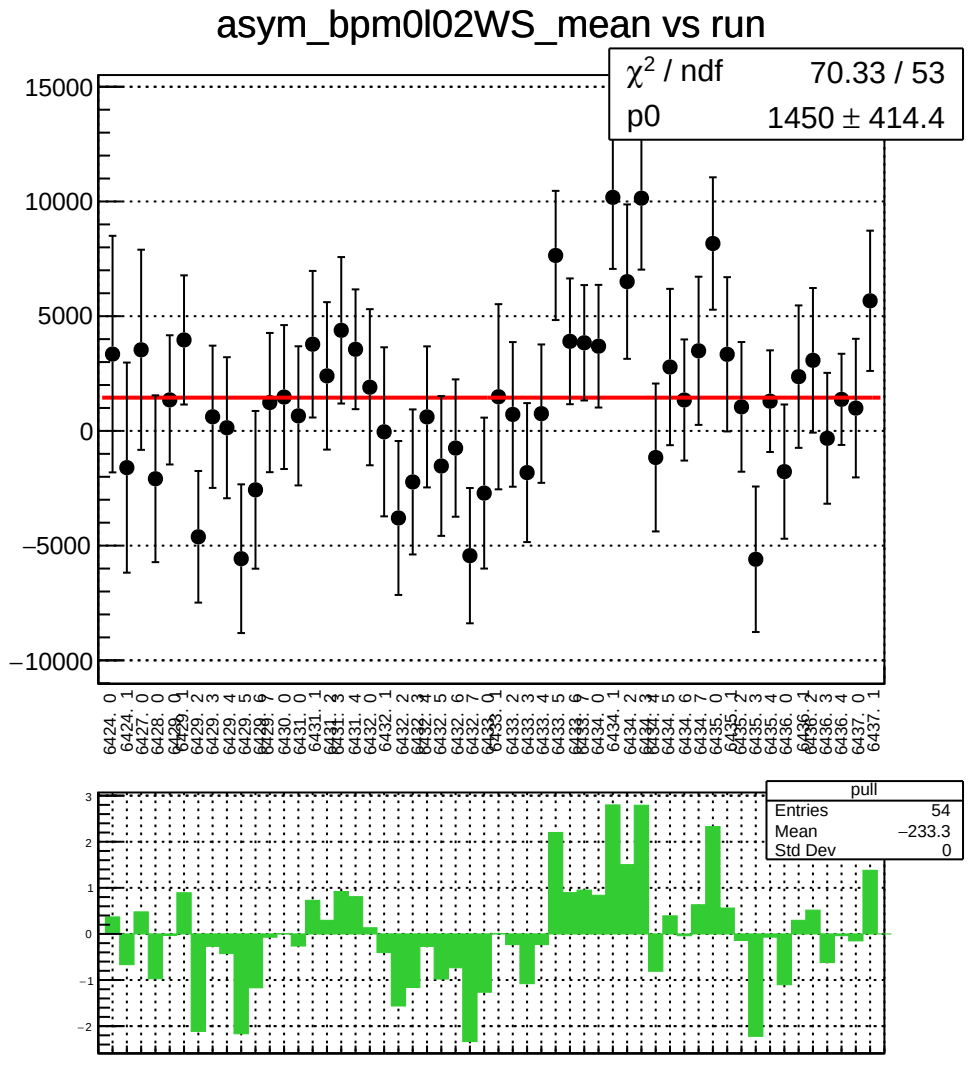
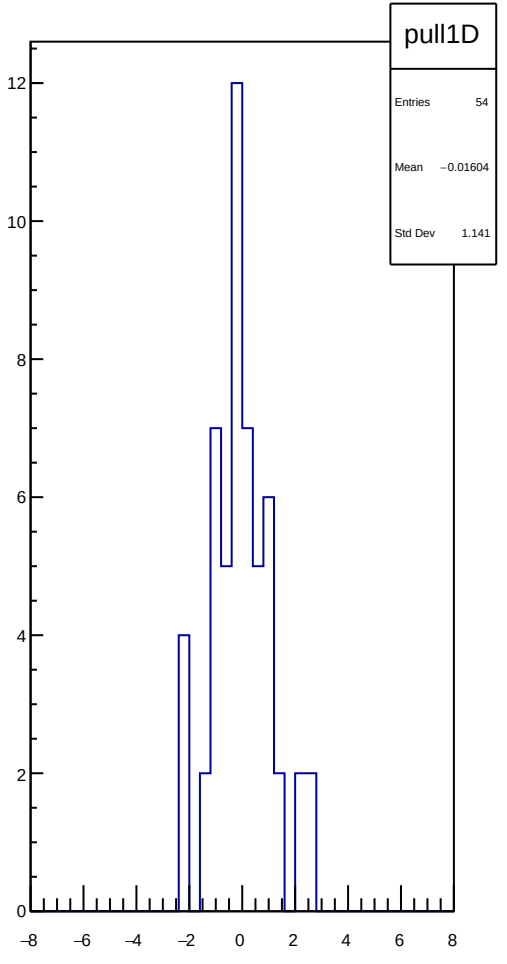
6437. 0
6437. 1

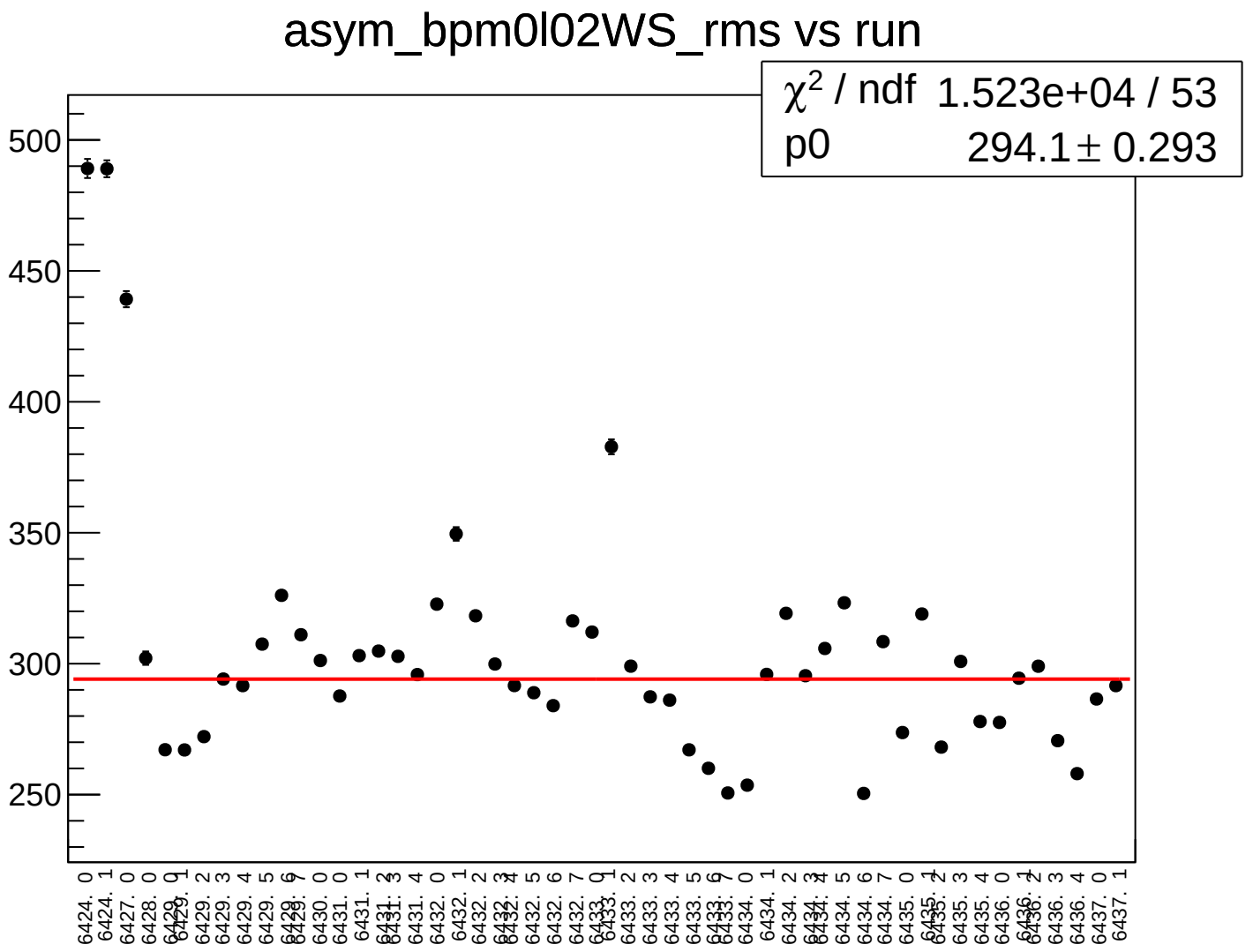

asym_bpm0l01WS_mean vs run
χ² / ndf 91.99 / 53
p0 1603 ± 249.4
pull
Entries 54
Mean 1.033e+04
Std Dev 0

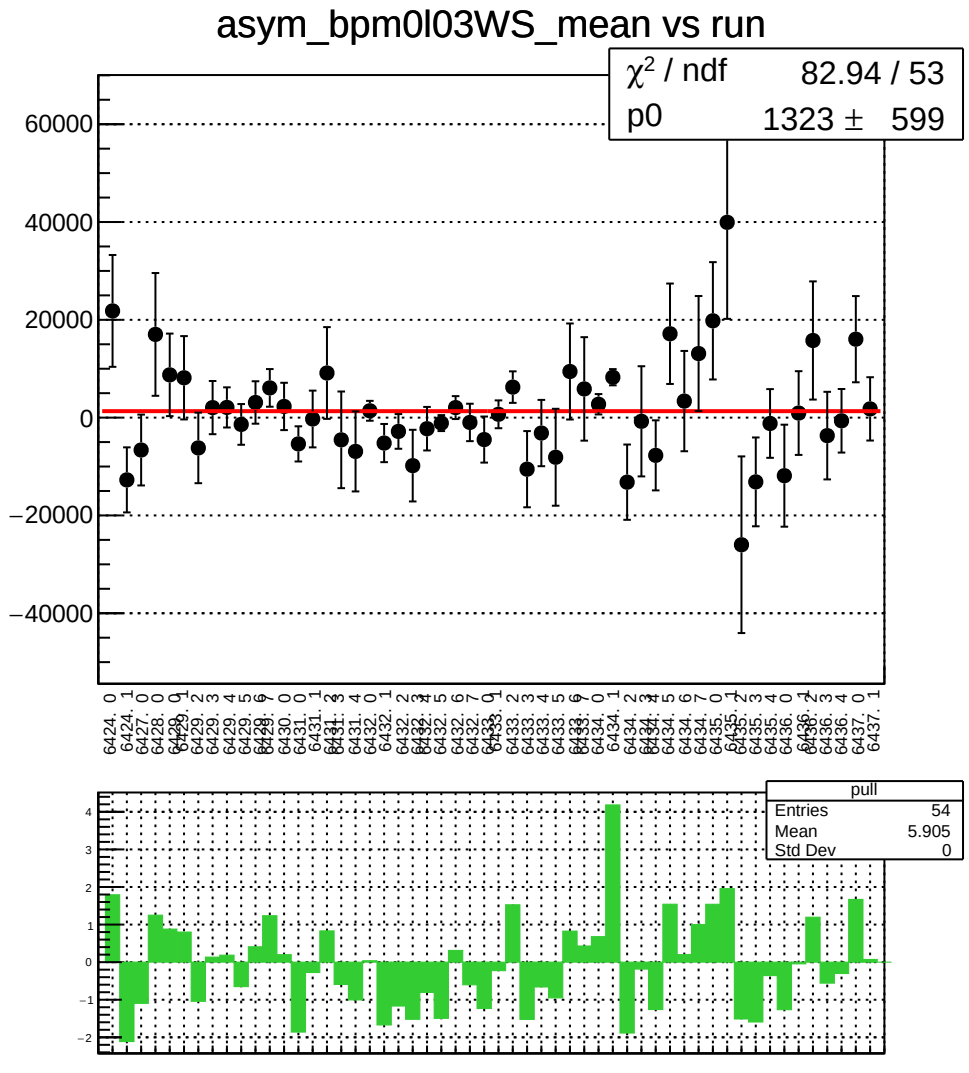

pull1D
Entries 54
Mean 0.0005603
Std Dev 1.305

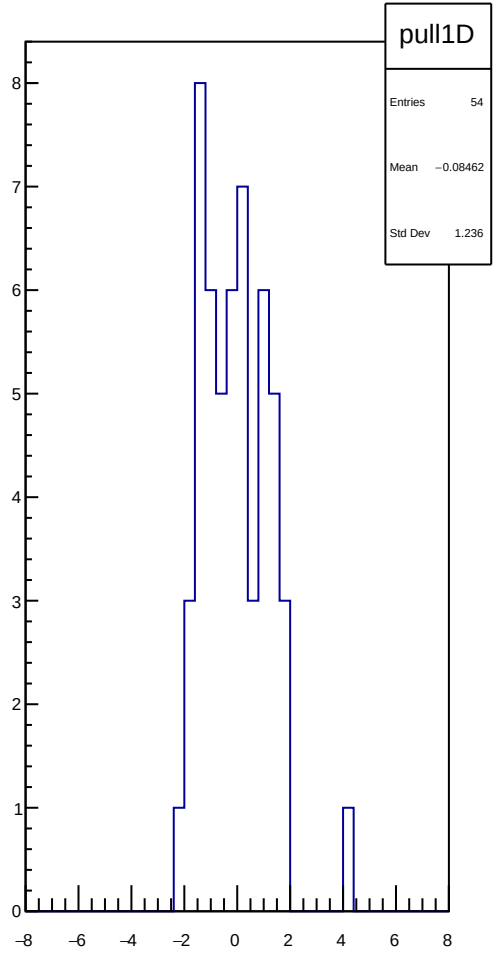

asym_bpm0l01WS_rms vs run
χ^2 / ndf 2.742e+04 / 53
p0 175.9 ± 0.1764
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

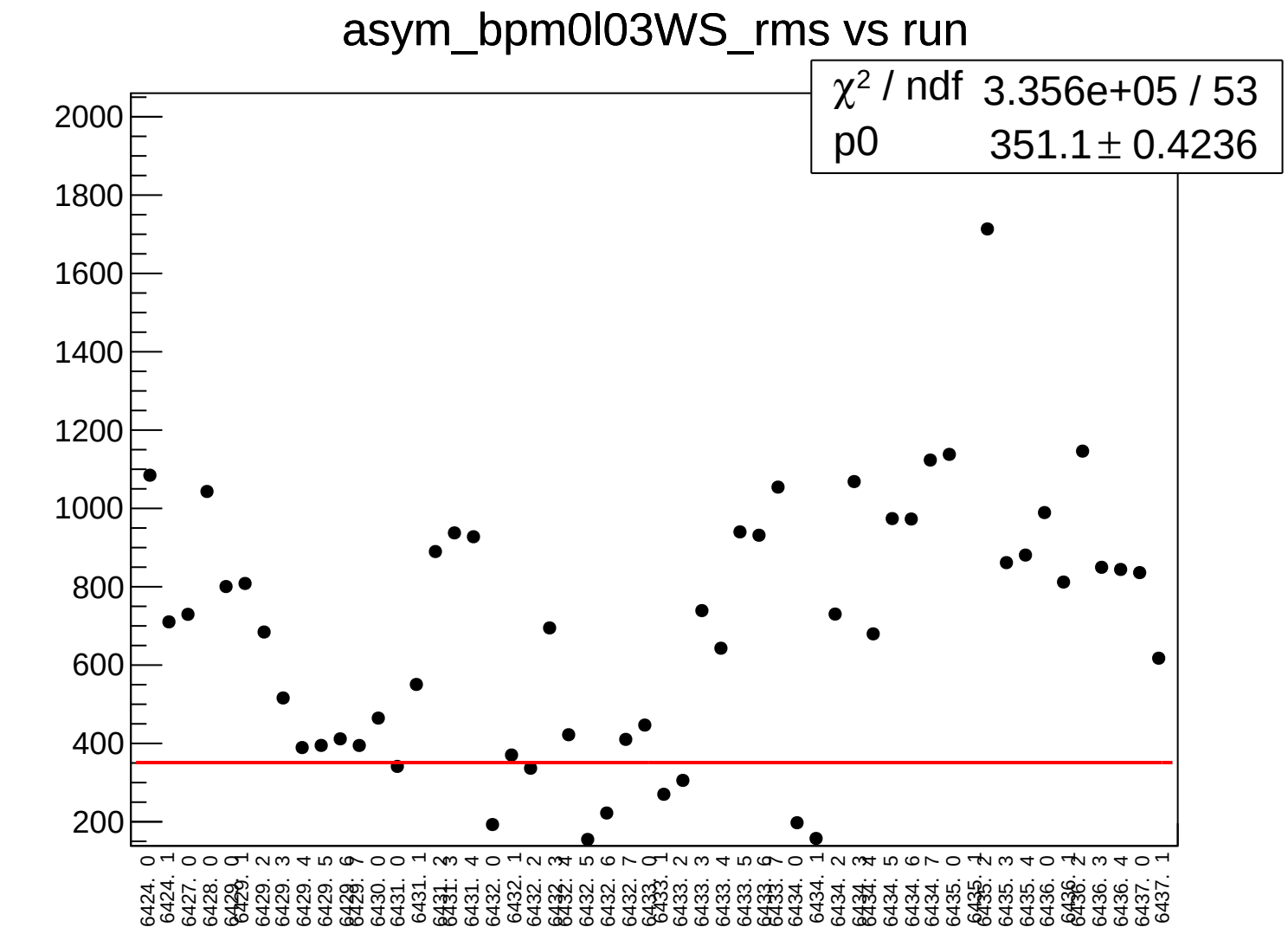

asym_bpm0l02WS_mean vs run
χ² / ndf 70.33 / 53
p0 1450 ± 414.4
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −233.3
Std Dev 0
3
2
1
0
−1
−2

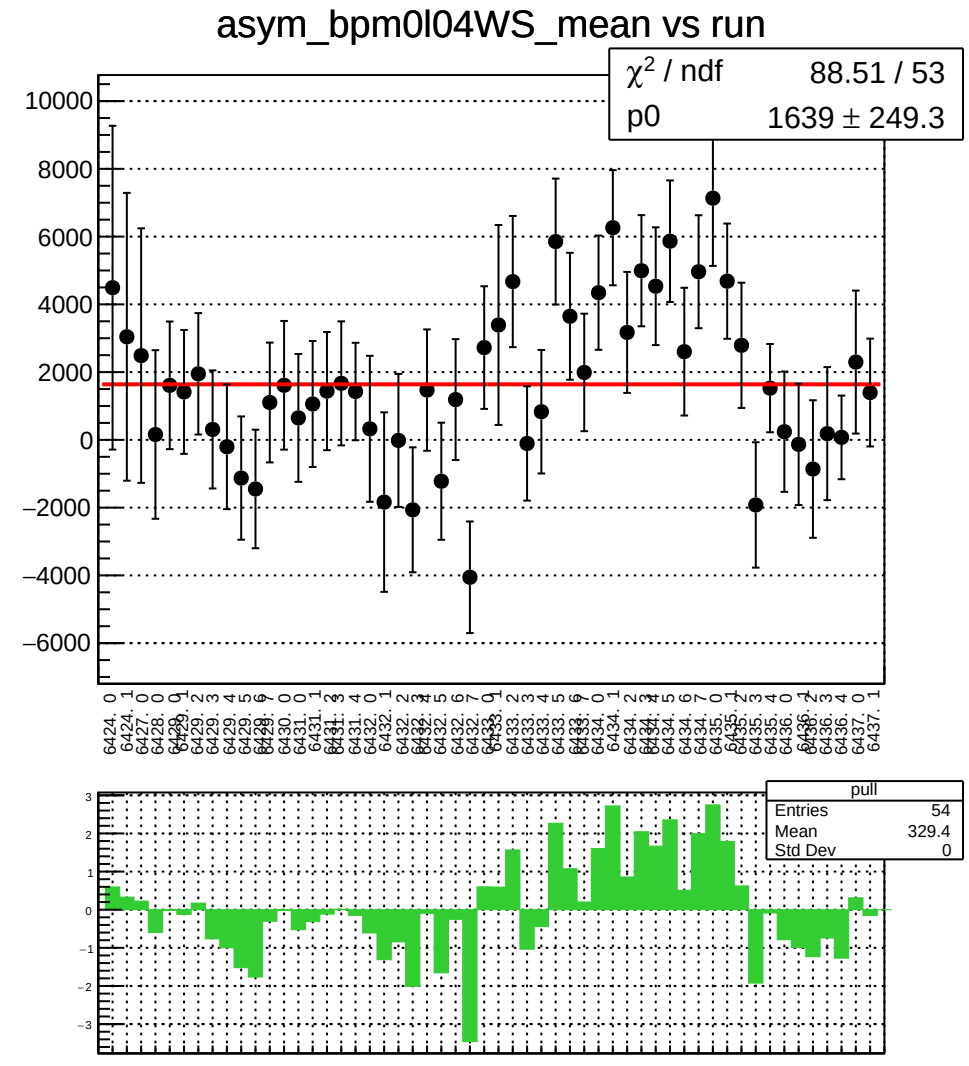

pull1D
Entries 54
Mean −0.01604
Std Dev 1.141
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

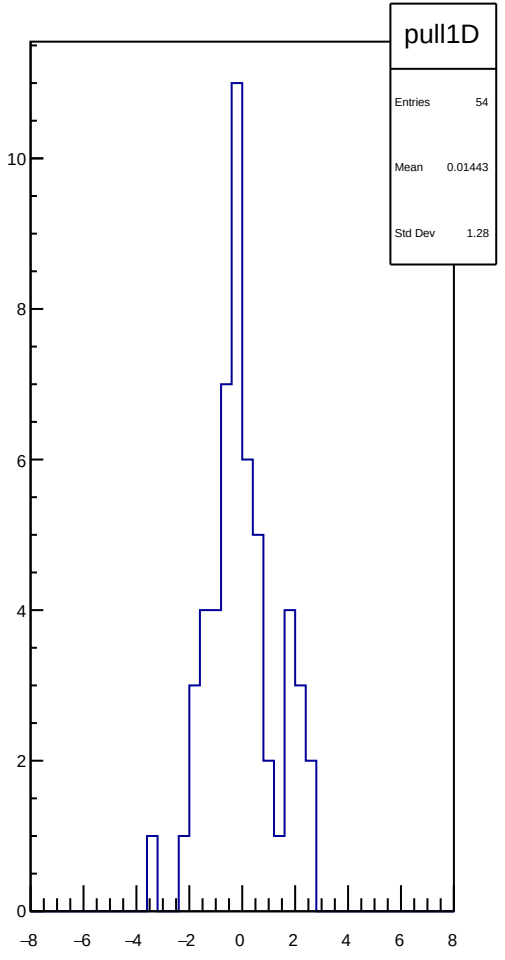

asym_bpm0l02WS_rms vs run
χ² / ndf 1.523e+04 / 53
p0 294.1 ± 0.293
500
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

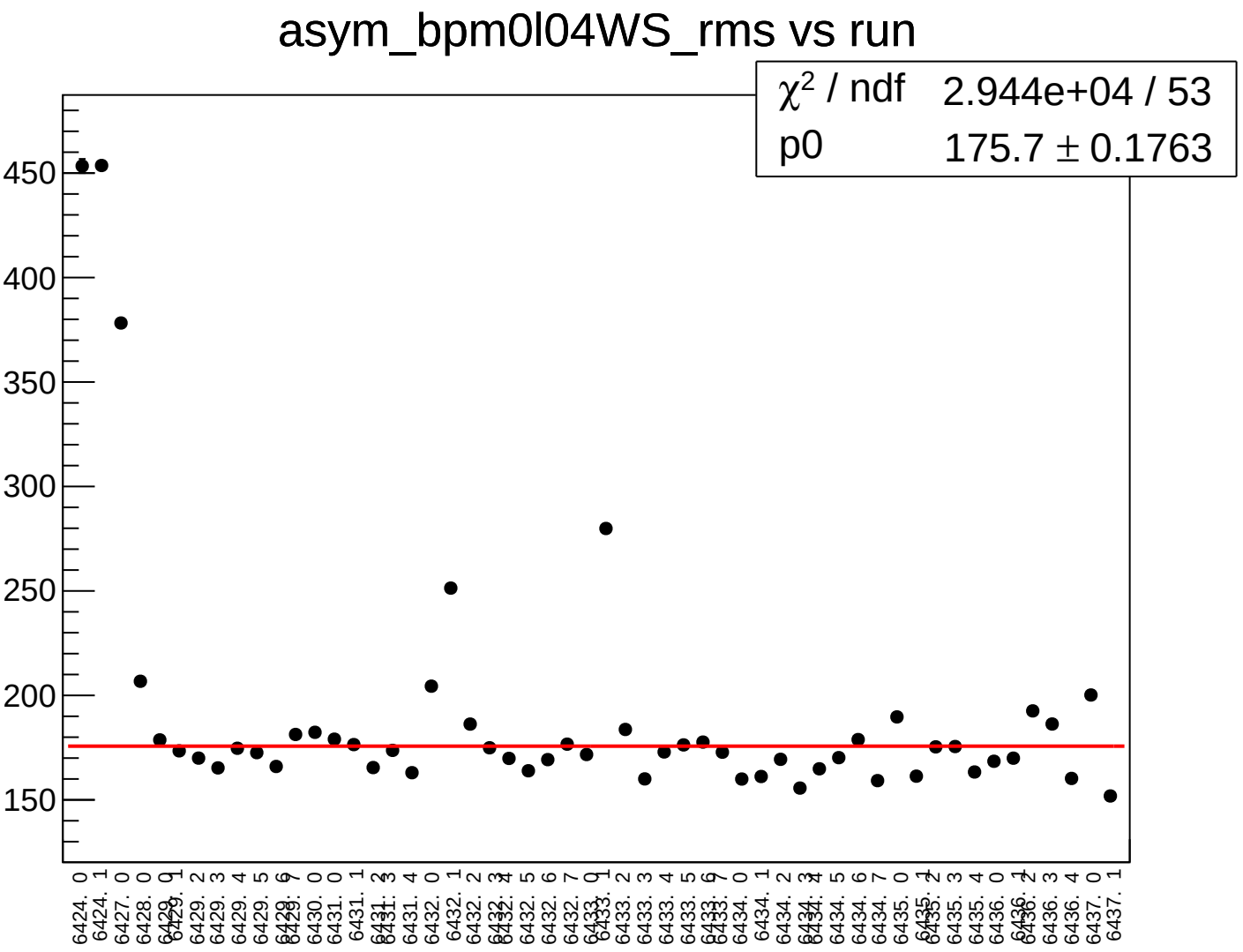

asym_bpm0l03WS_mean vs run
χ² / ndf 82.94 / 53
p0 1323 ± 599
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 5.905
Std Dev 0

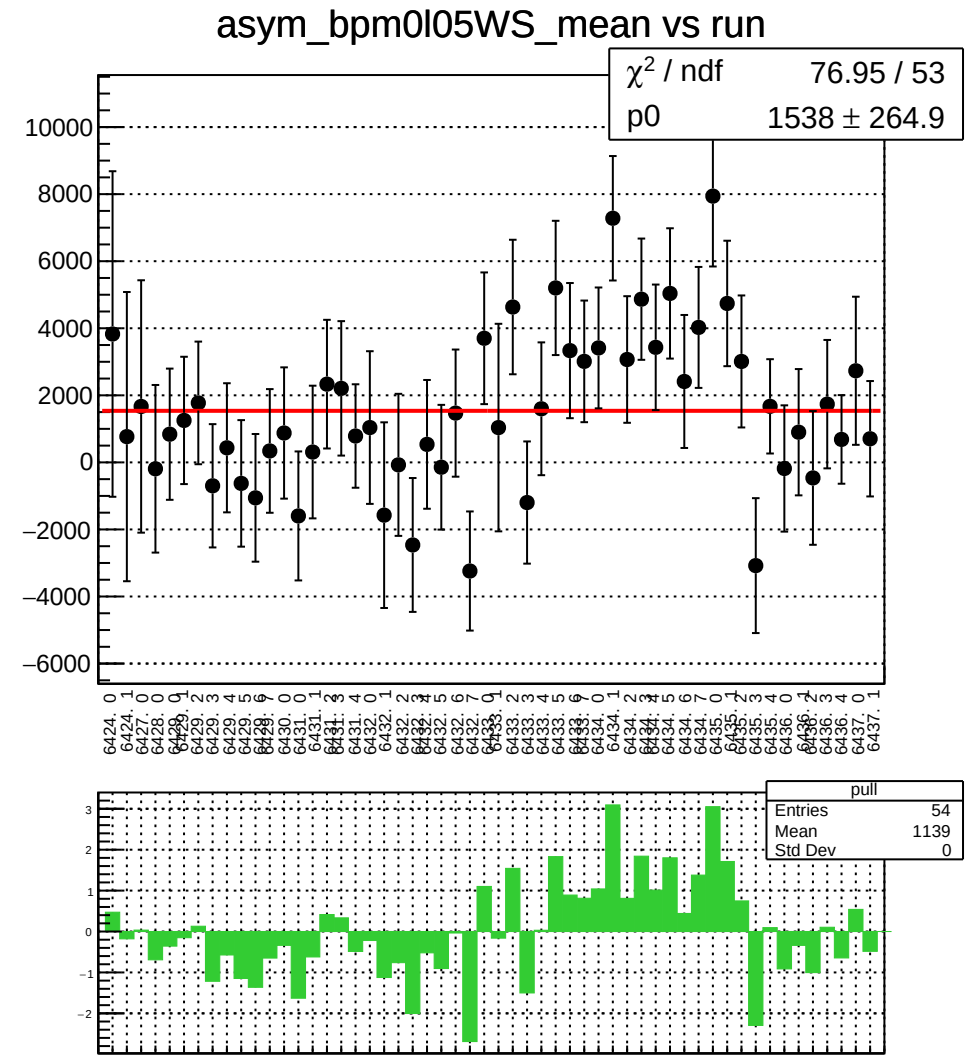

pull1D
Entries 54
Mean −0.08462
Std Dev 1.236

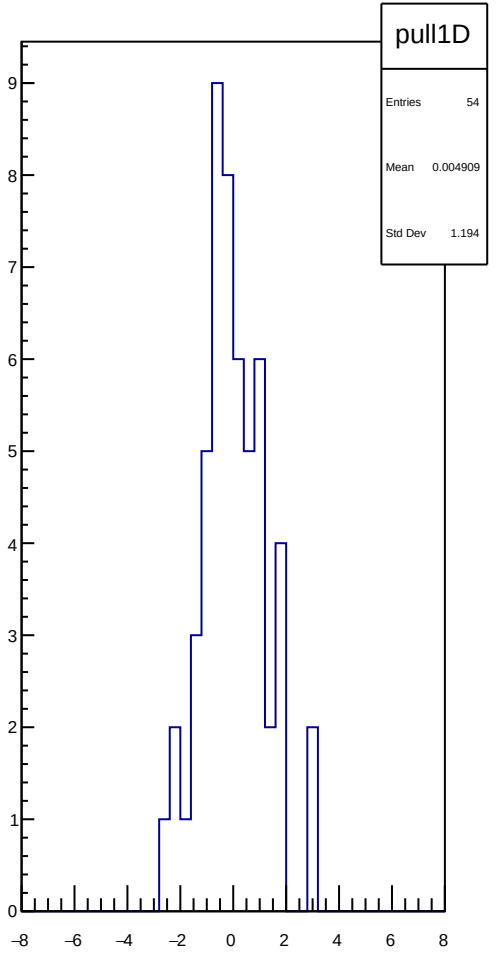

asym_bpm0l03WS_rms vs run
χ² / ndf 3.356e+05 / 53
p0 351.1 ± 0.4236
2000
1800
1600
1400
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

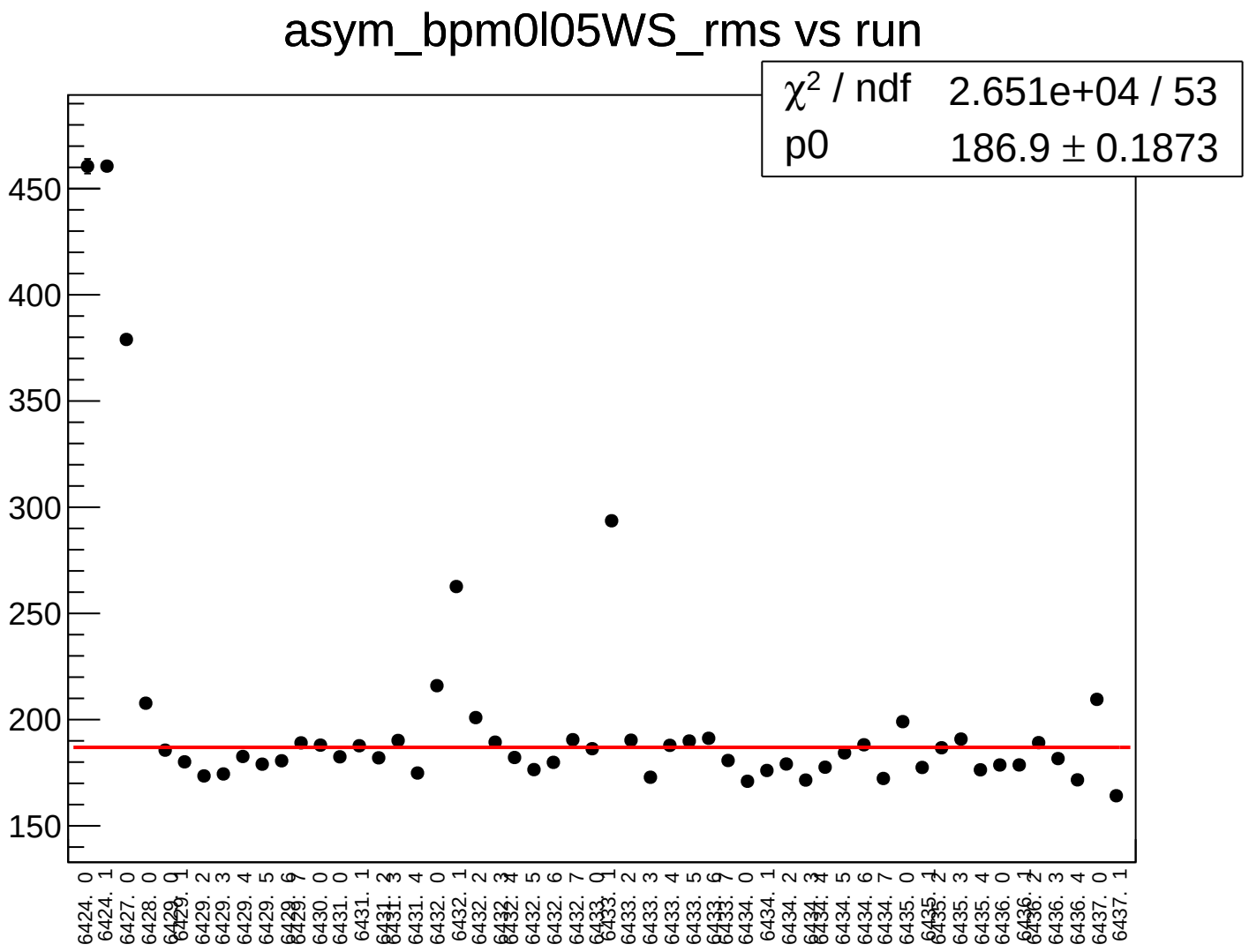

asym_bpm0l04WS_mean vs run
χ^2 / ndf 88.51 / 53
p0 1639 ± 249.3
pull
Entries 54
Mean 329.4
Std Dev 0


pull1D
Entries 54
Mean 0.01443
Std Dev 1.28


asym_bpm0l04WS_rms vs run
χ^2 / ndf 2.944e+04 / 53
p0 175.7 ± 0.1763
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0l05WS_mean vs run
χ² / ndf 76.95 / 53
p0 1538 ± 264.9
pull
Entries 54
Mean 1139
Std Dev 0


pull1D
Entries 54
Mean 0.004909
Std Dev 1.194


asym_bpm0l05WS_rms vs run
χ^2 / ndf 2.651e+04 / 53
p0 186.9 ± 0.1873
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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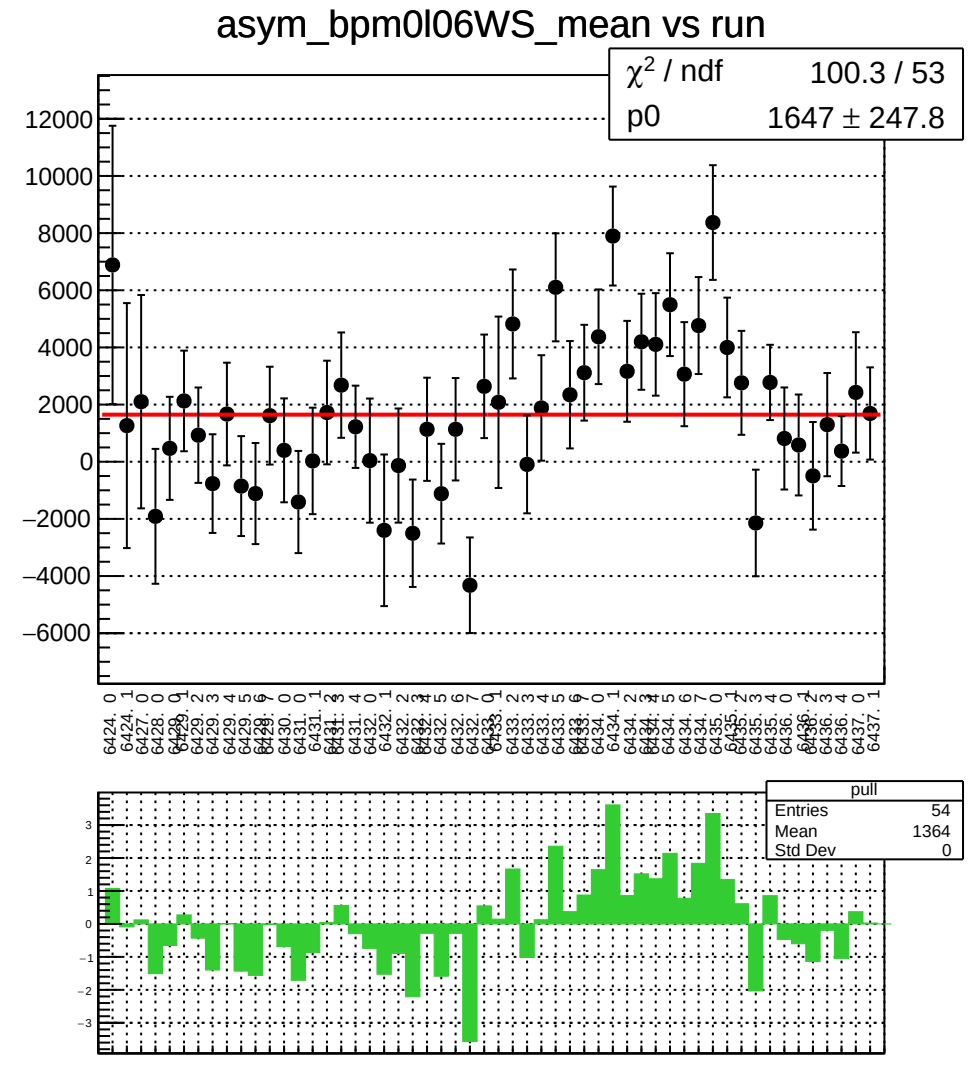
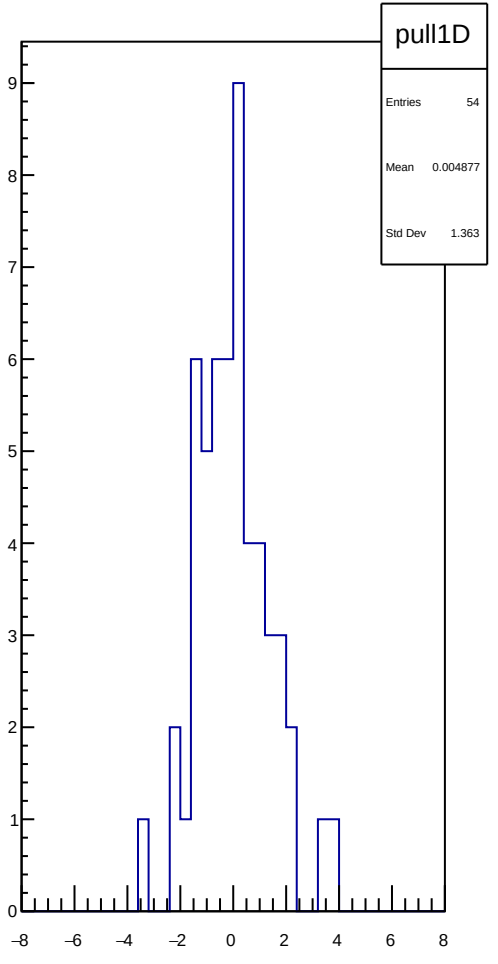
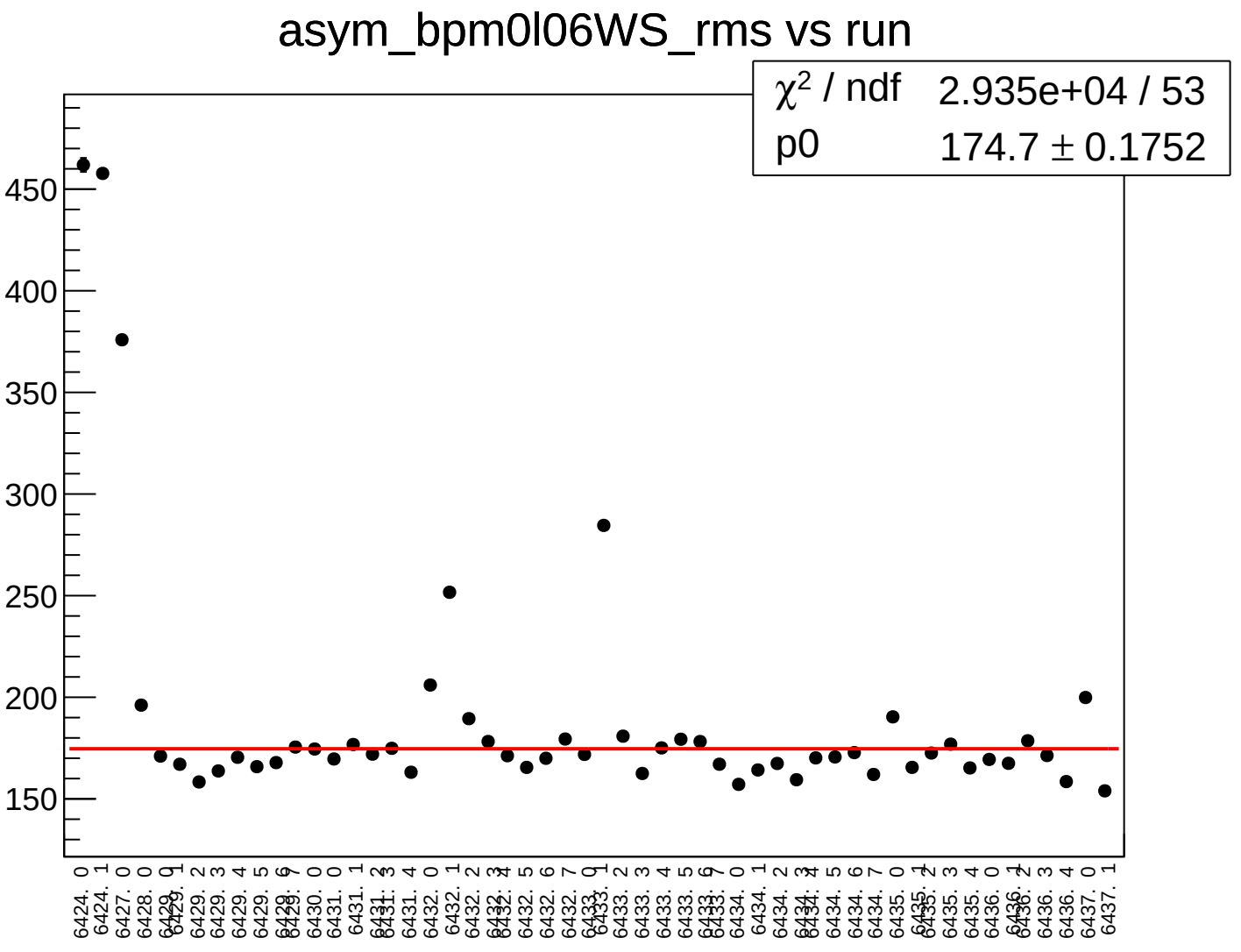
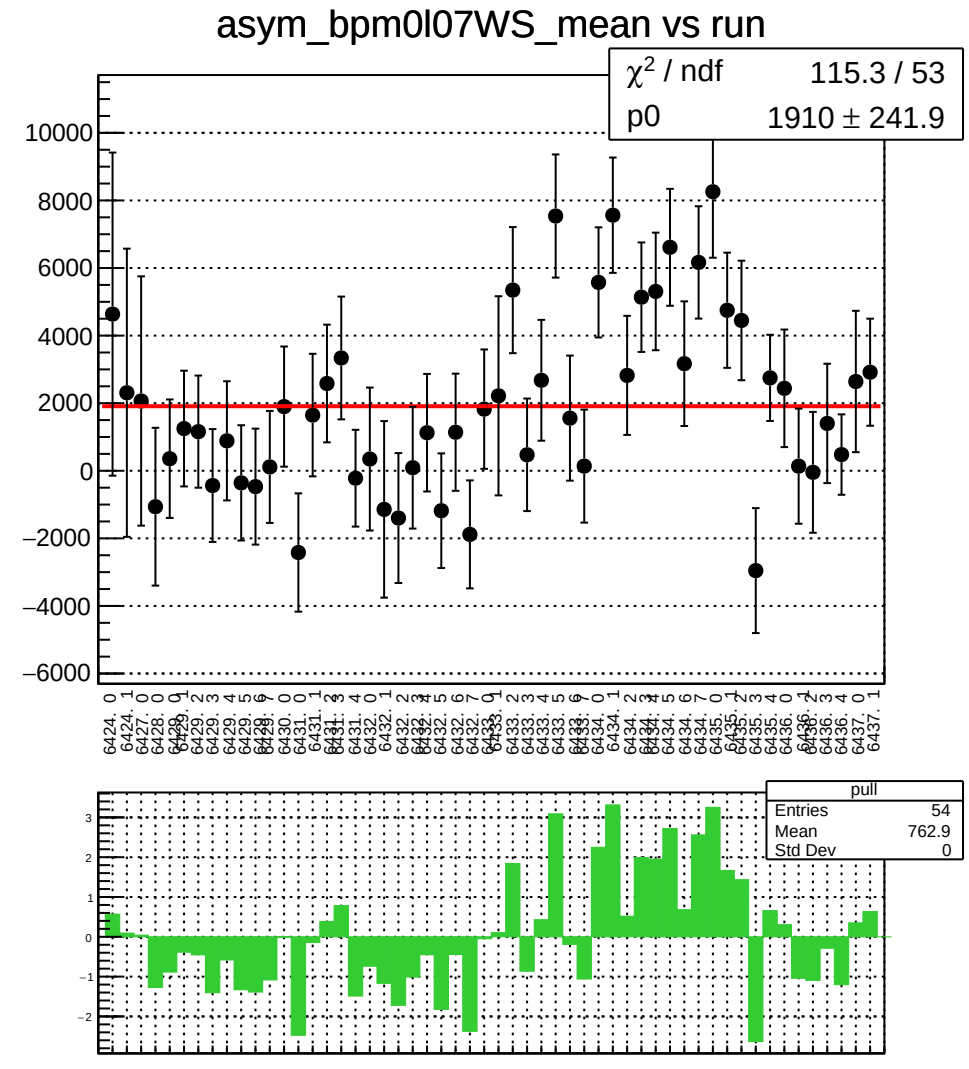
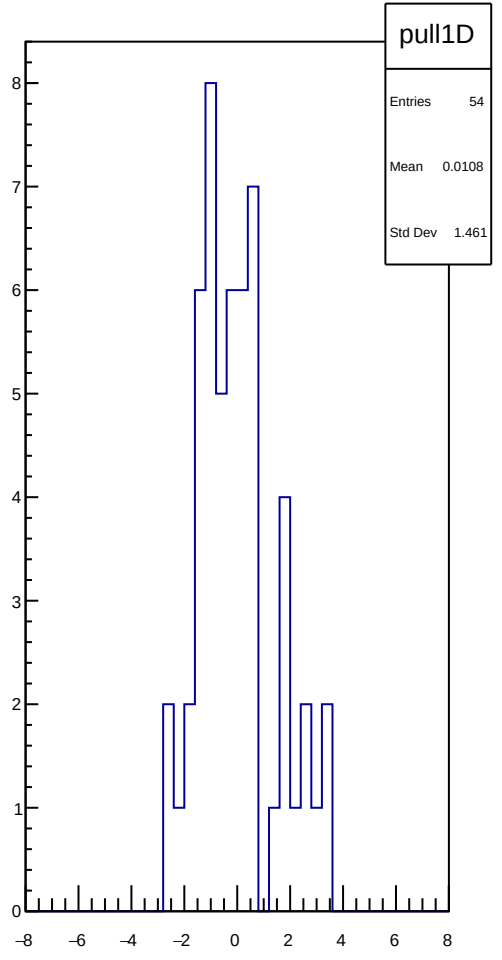
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

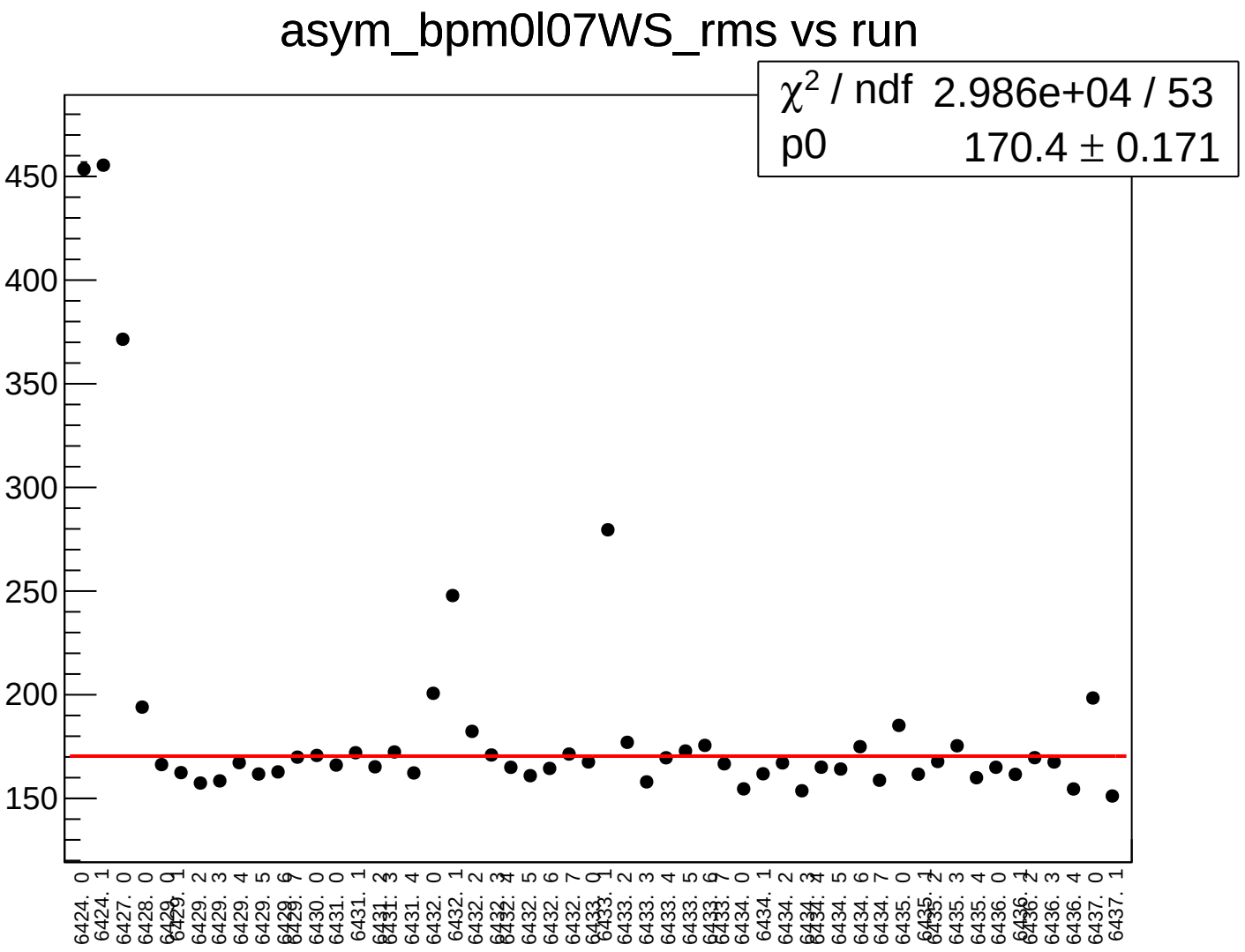

asym_bpm0l06WS_mean vs run
χ² / ndf 100.3 / 53
p0 1647 ± 247.8
pull
Entries 54
Mean 1364
Std Dev 0

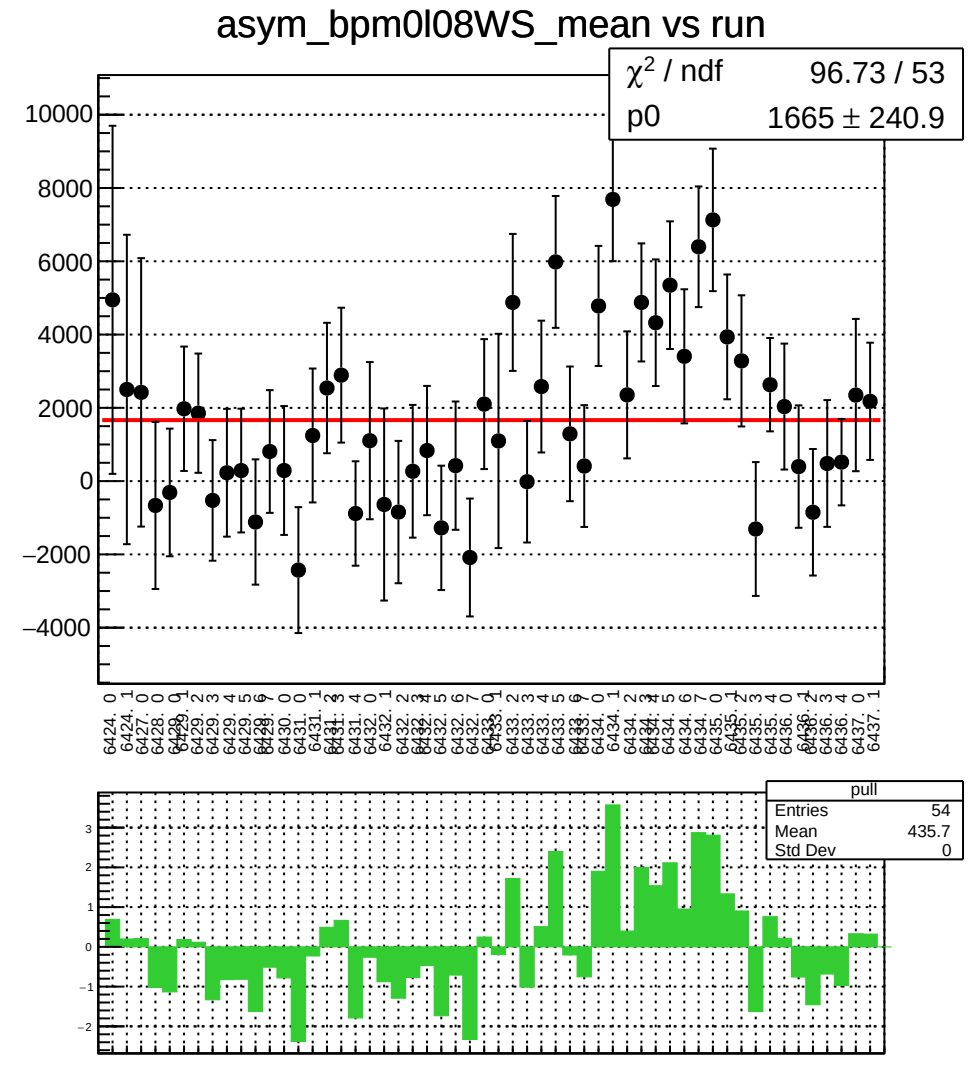

pull1D
Entries 54
Mean 0.004877
Std Dev 1.363

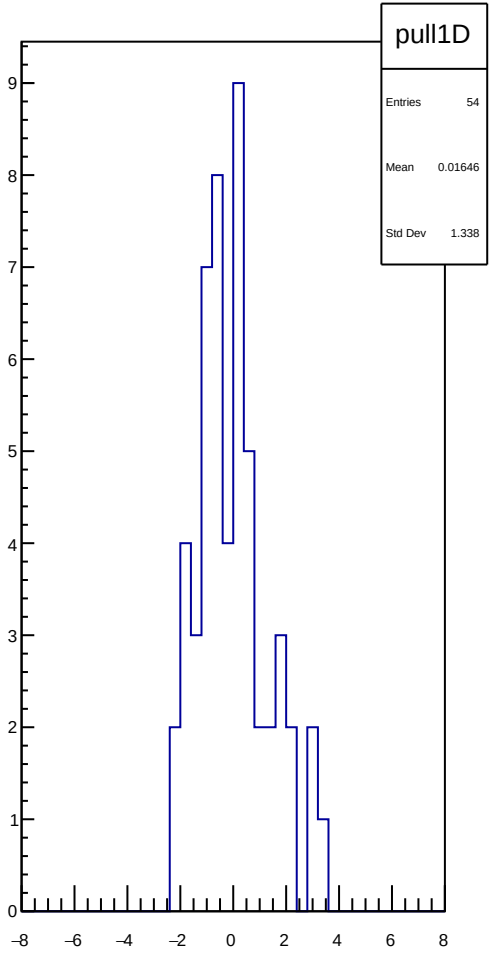

asym_bpm0l06WS_rms vs run
χ^2 / ndf 2.935e+04 / 53
p0 174.7 ± 0.1752
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

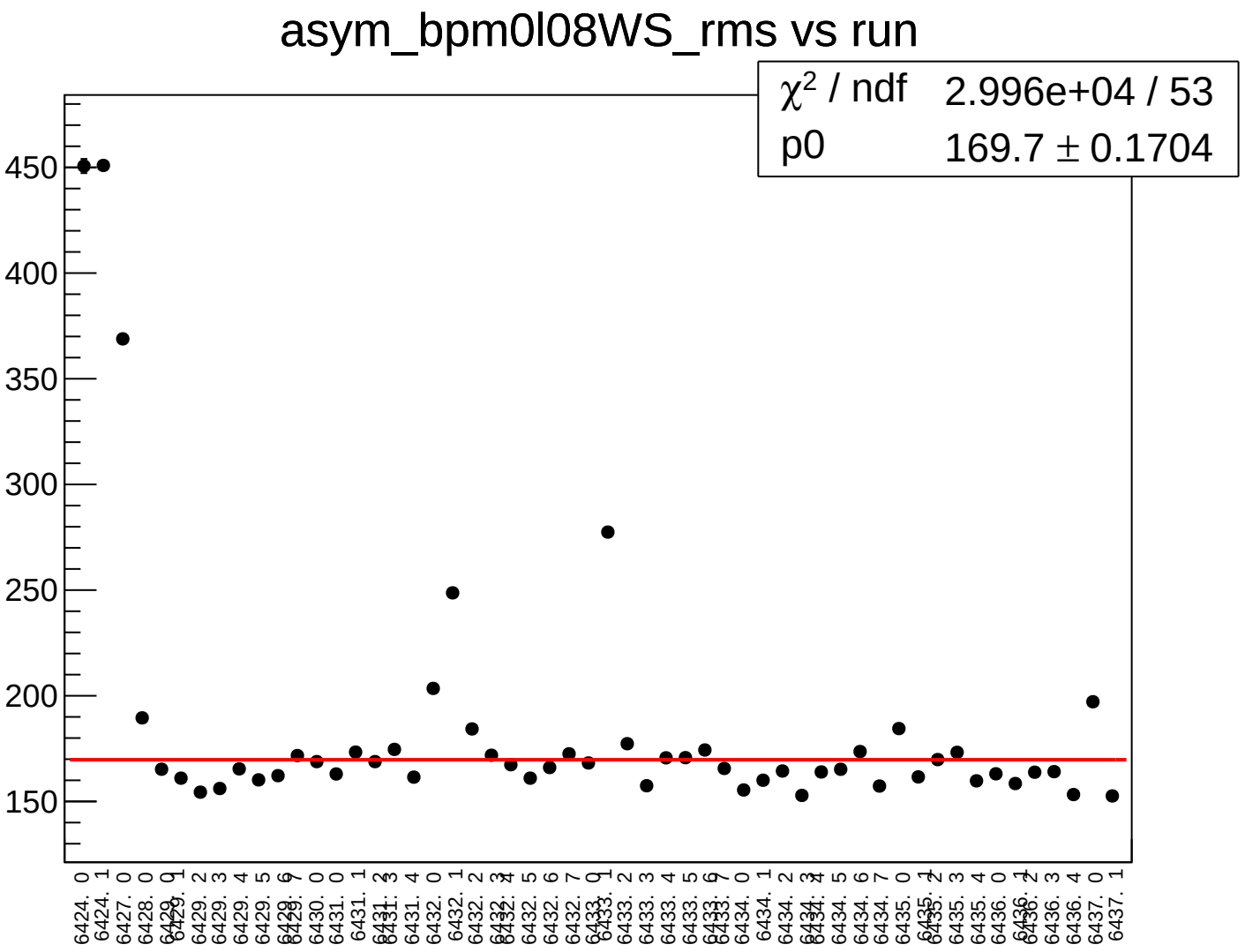

asym_bpm0l07WS_mean vs run
χ^2 / ndf 115.3 / 53
p0 1910 ± 241.9
pull
Entries 54
Mean 762.9
Std Dev 0


pull1D
Entries 54
Mean 0.0108
Std Dev 1.461


asym_bpm0l07WS_rms vs run
χ^2 / ndf 2.986e+04 / 53
p0 170.4 ± 0.171
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0l08WS_mean vs run
χ² / ndf 96.73 / 53
p0 1665 ± 240.9
pull
Entries 54
Mean 435.7
Std Dev 0


pull1D
Entries 54
Mean 0.01646
Std Dev 1.338


asym_bpm0l08WS_rms vs run
χ² / ndf 2.996e+04 / 53
p0 169.7 ± 0.1704
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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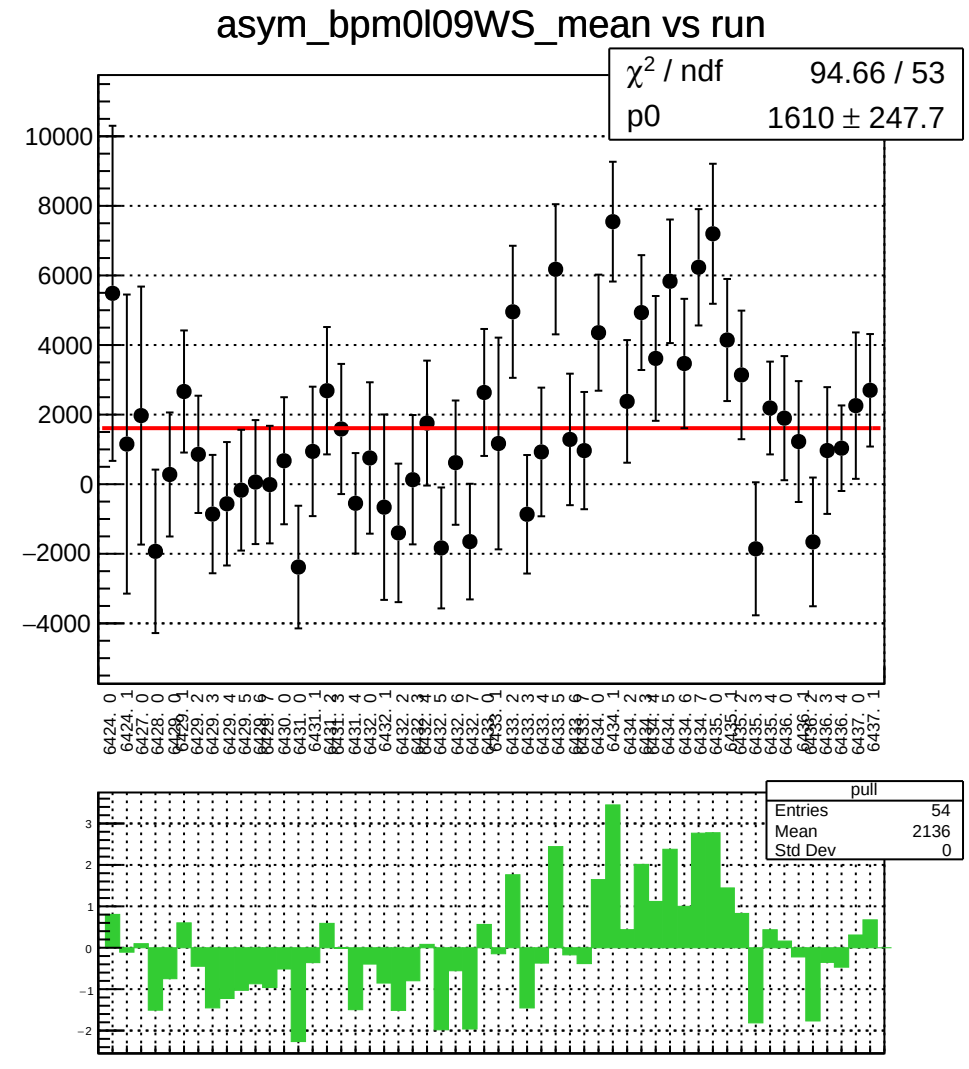
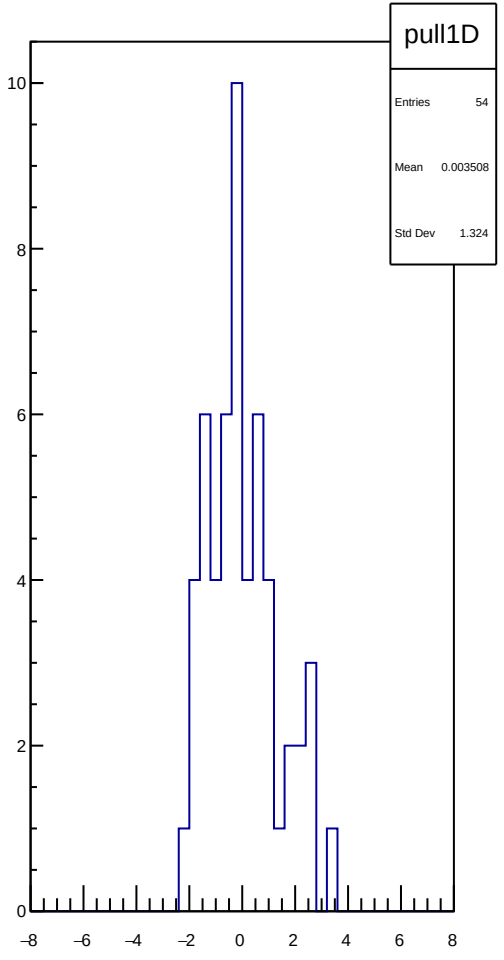
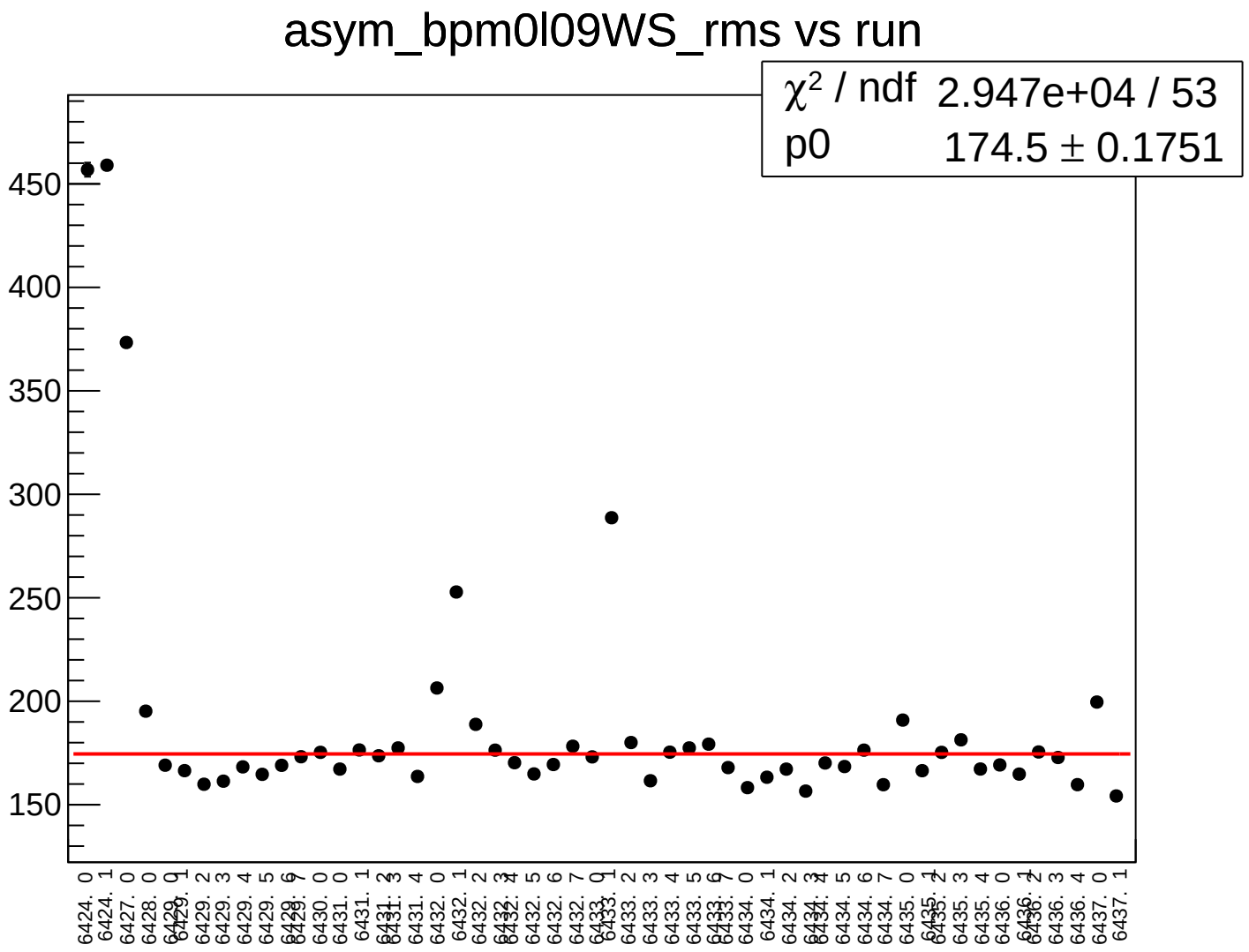
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0l09WS_mean vs run
χ^2 / ndf 94.66 / 53
p0 1610 ± 247.7
pull
Entries 54
Mean 2136
Std Dev 0


pull1D
Entries 54
Mean 0.003508
Std Dev 1.324


asym_bpm0l09WS_rms vs run
χ² / ndf 2.947e+04 / 53
p0 174.5 ± 0.1751
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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6435. 2
6435. 3
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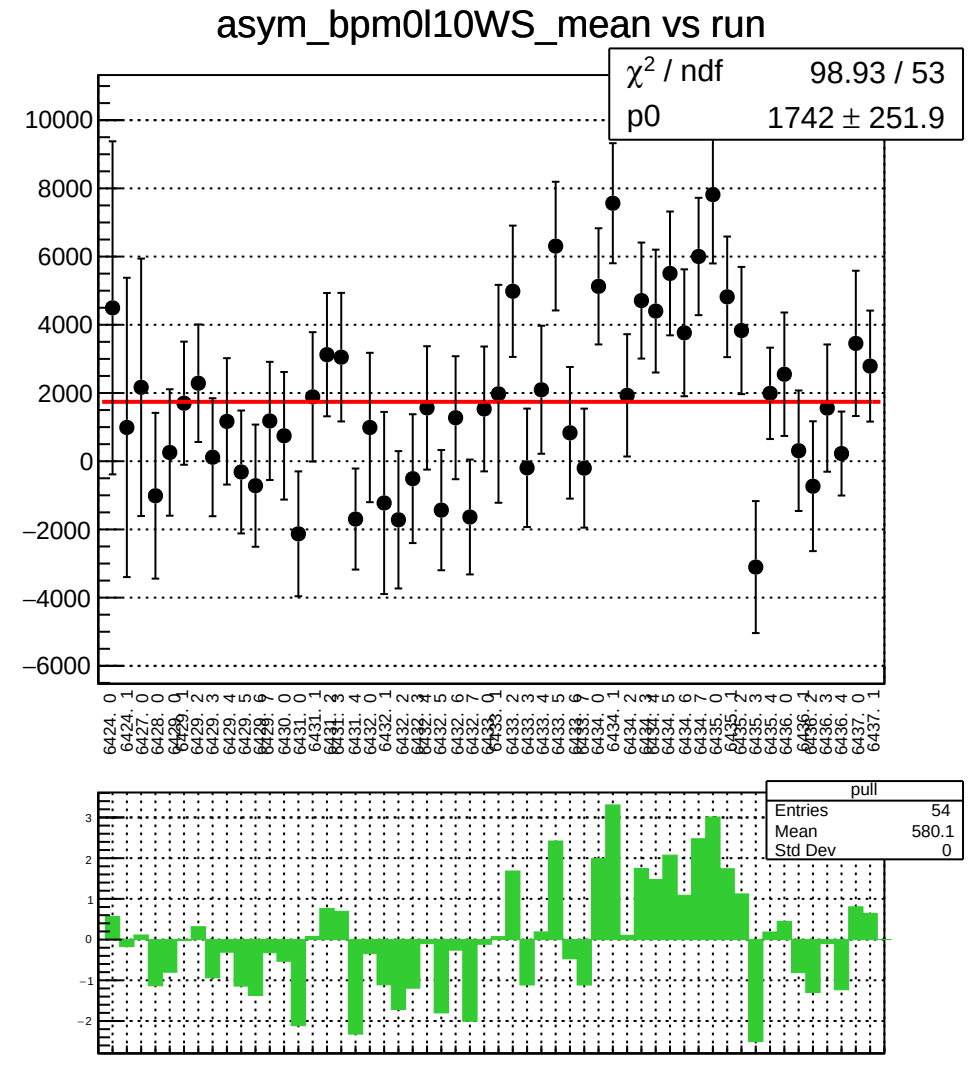
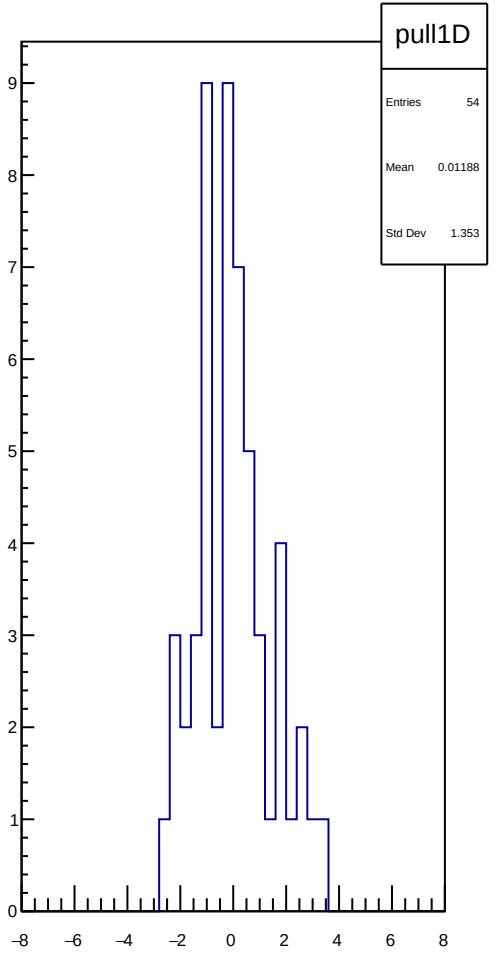
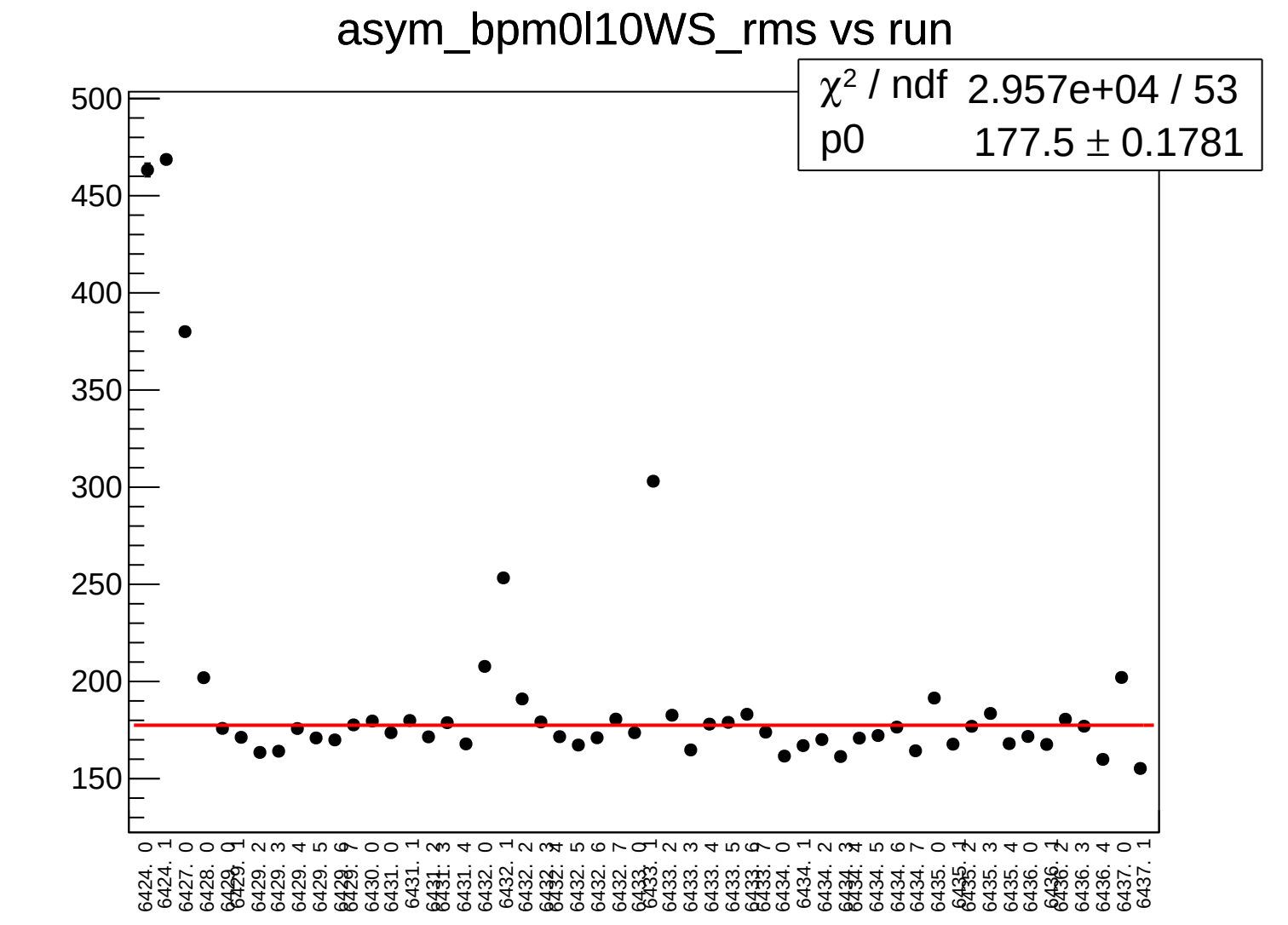
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0l10WS_mean vs run
χ² / ndf 98.93 / 53
p0 1742 ± 251.9
pull
Entries 54
Mean 580.1
Std Dev 0


pull1D
Entries 54
Mean 0.01188
Std Dev 1.353


asym_bpm0l10WS_rms vs run
χ² / ndf 2.957e+04 / 53
p0 177.5 ± 0.1781
500
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 5
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6434. 0
6434. 1
6434. 2
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6434. 6
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6435. 2
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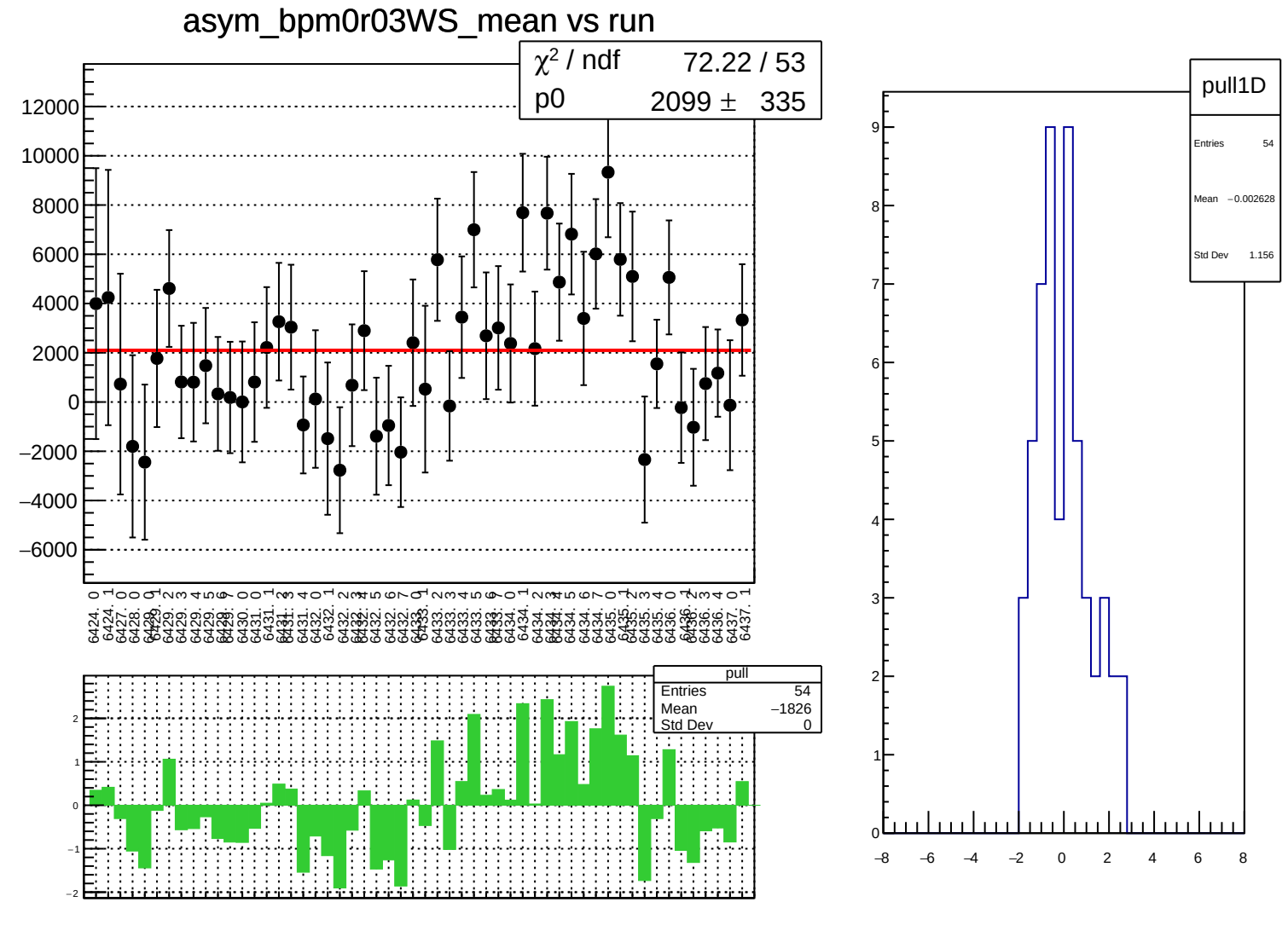
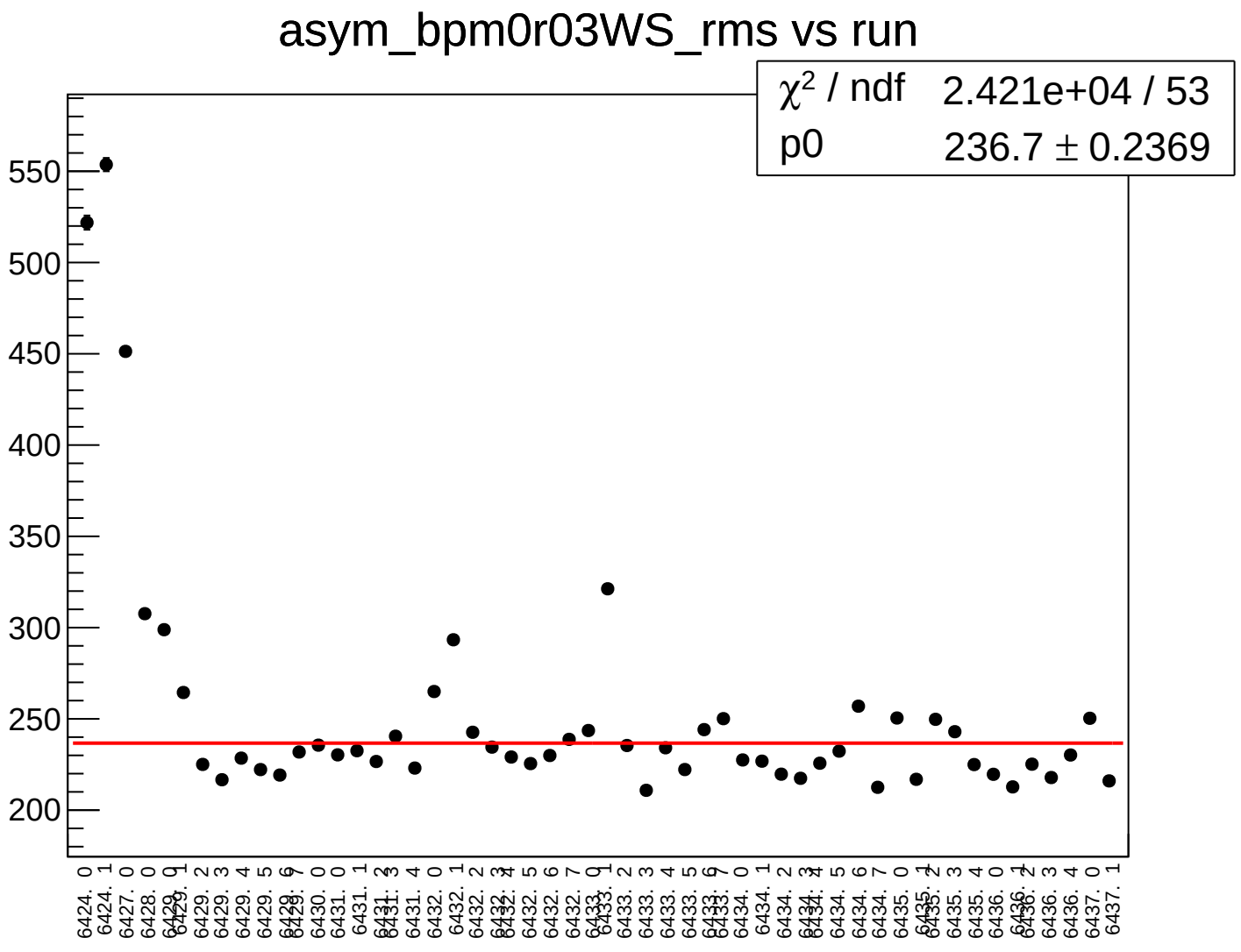
6436. 3
6436. 4
6437. 0
6437. 1


asym_bpm0r03WS_mean vs run
χ² / ndf 72.22 / 53
p0 2099 ± 335
pull
Entries 54
Mean −1826
Std Dev 0
pull1D
Entries 54
Mean −0.002628
Std Dev 1.156


asym_bpm0r03WS_rms vs run
χ² / ndf 2.421e+04 / 53
p0 236.7 ± 0.2369
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
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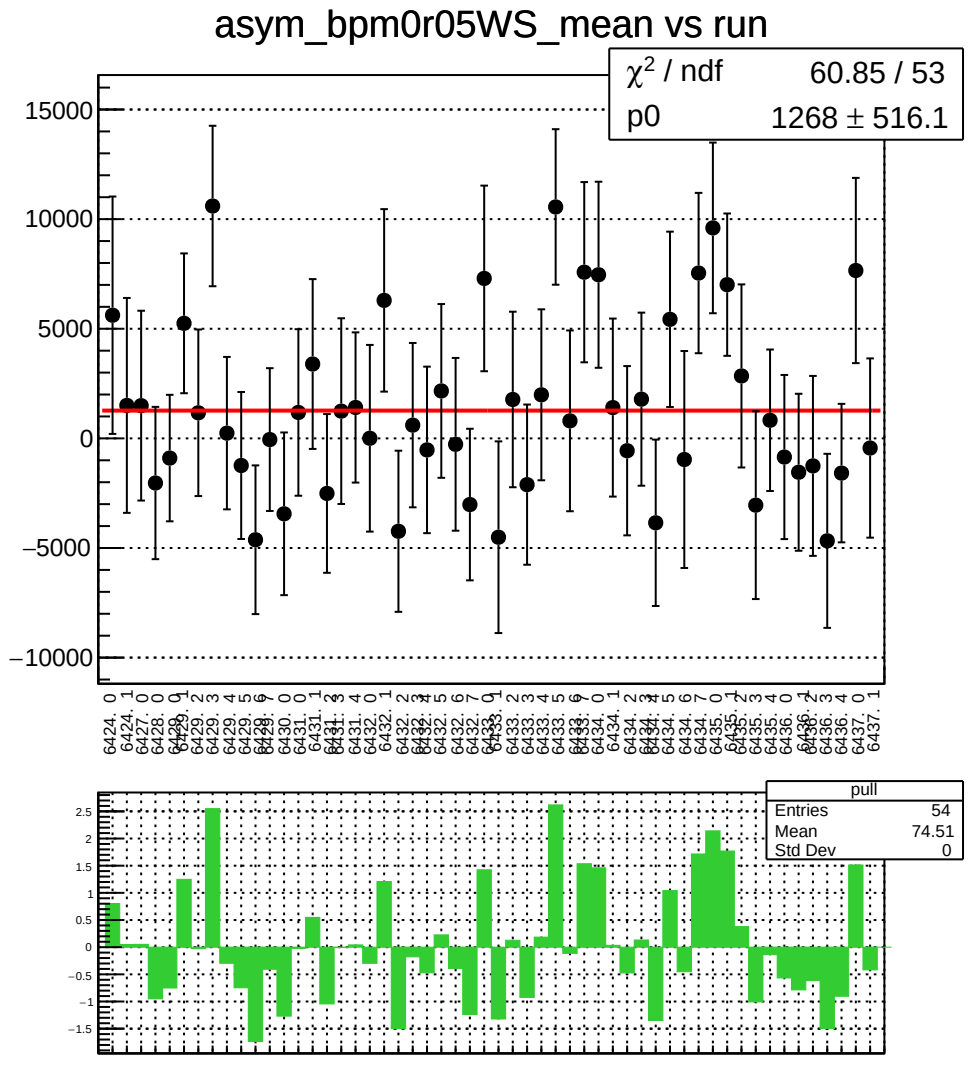
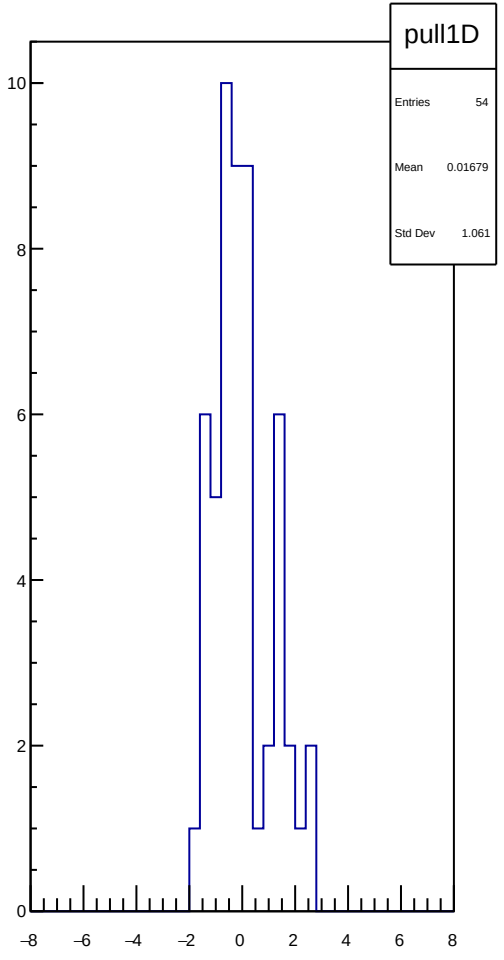
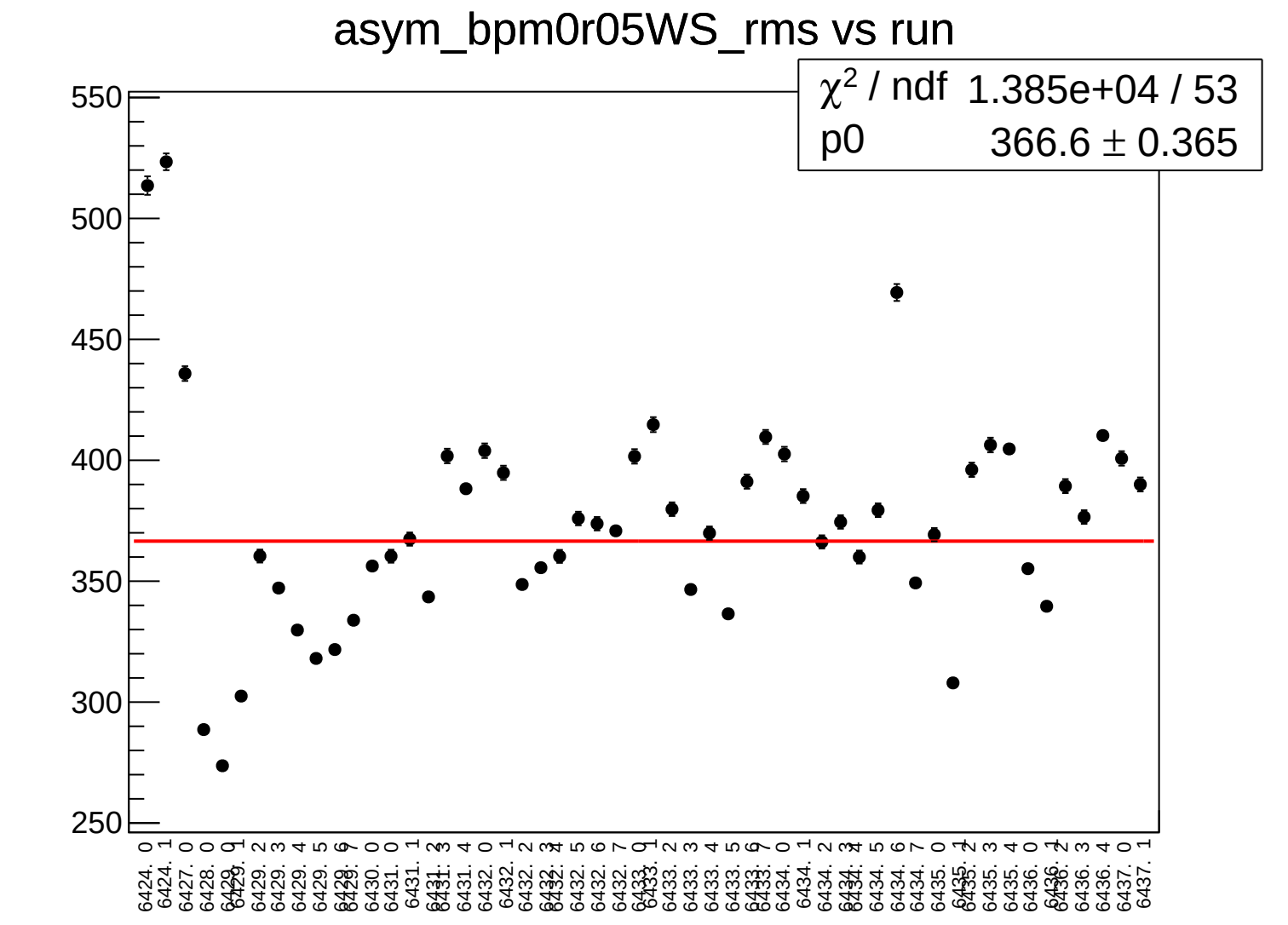
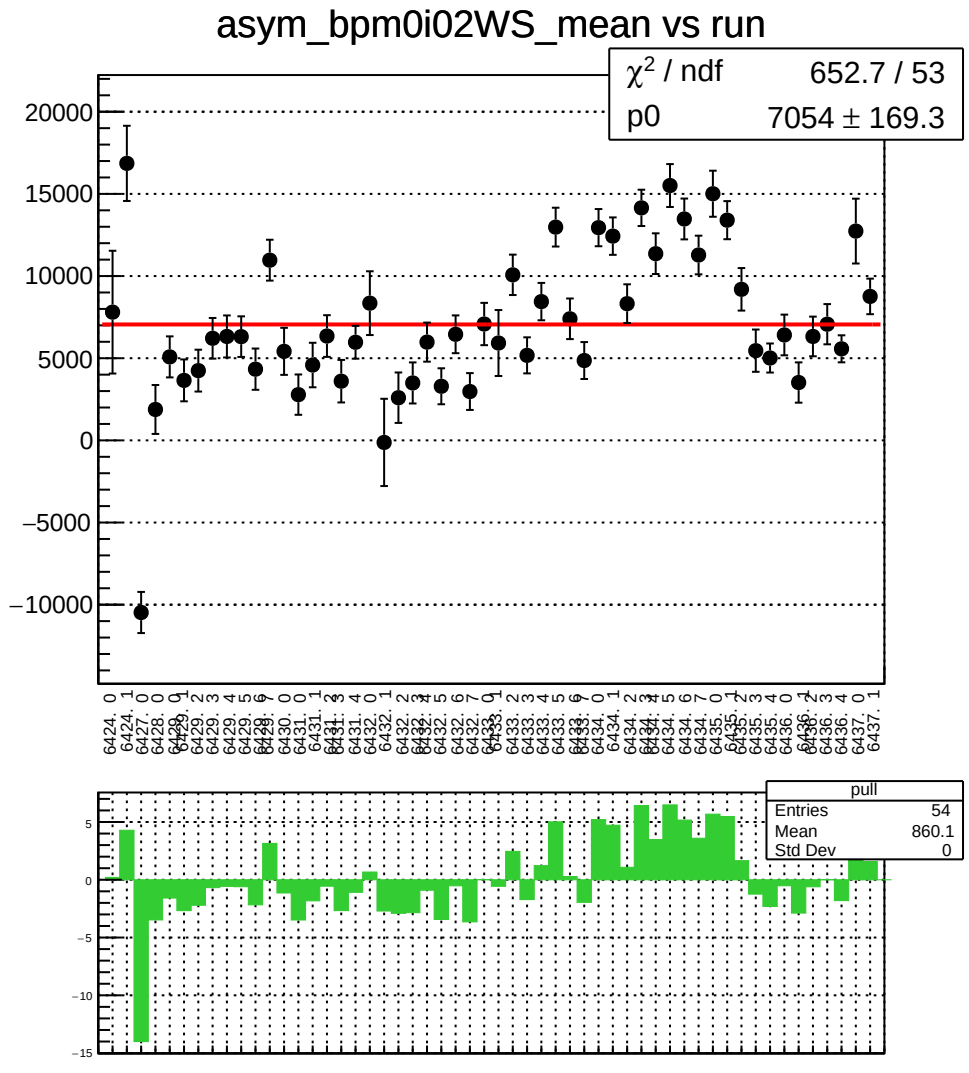
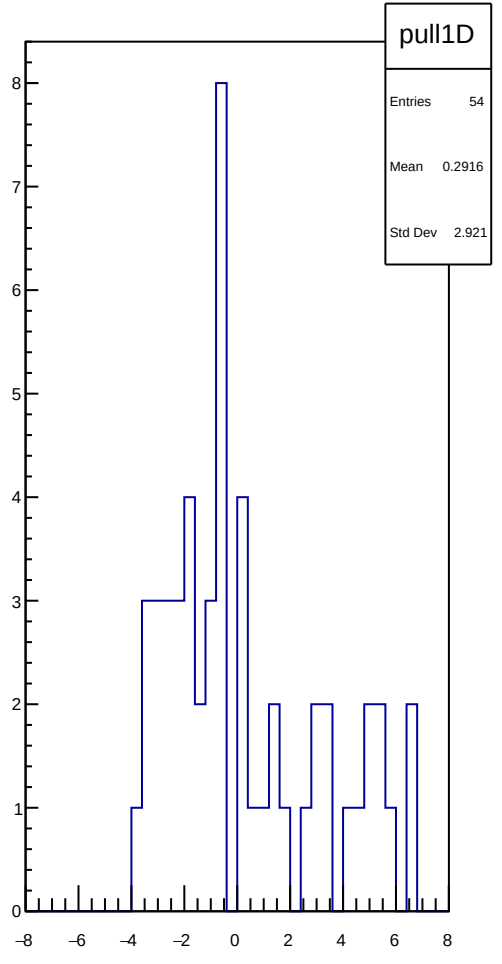
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

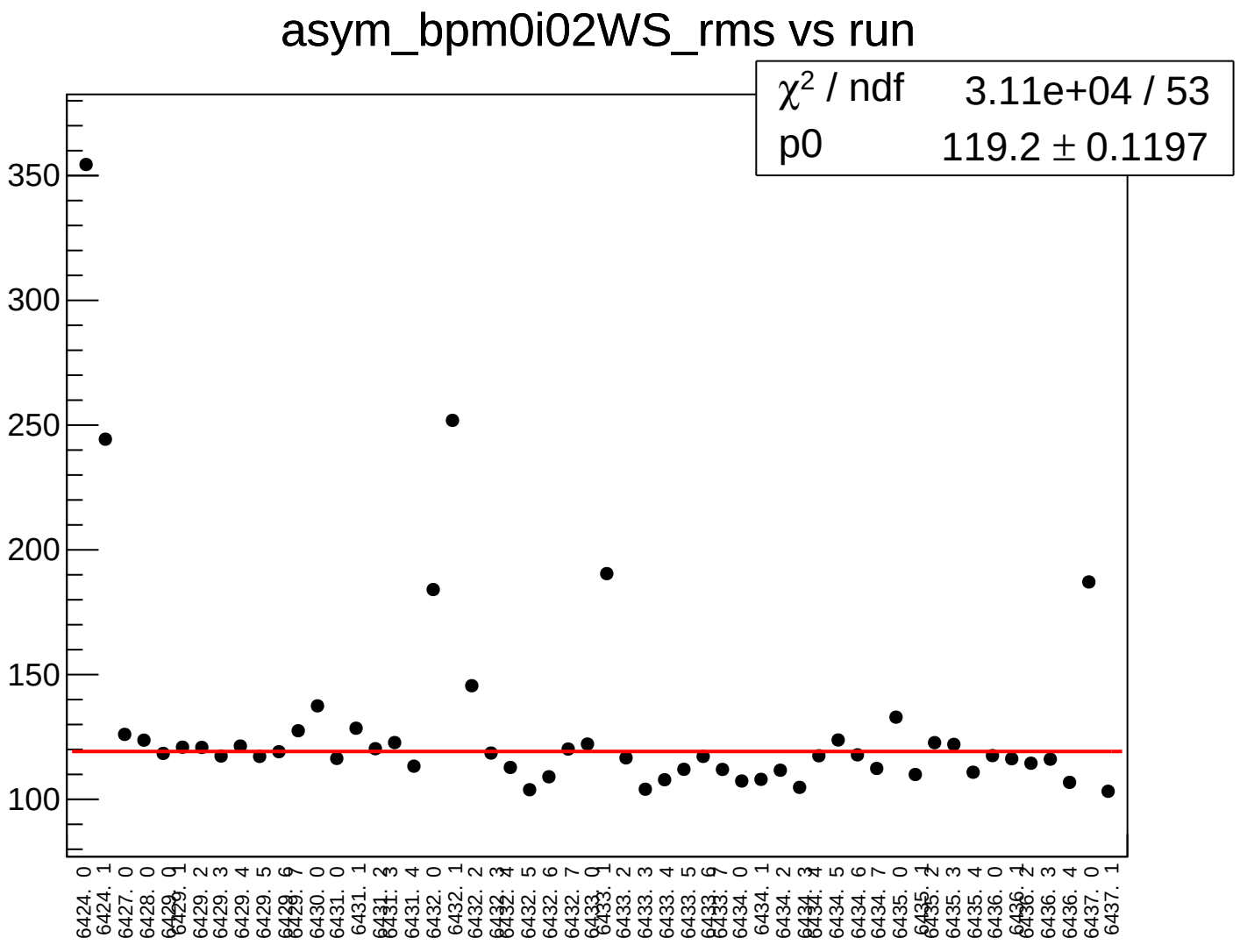

asym_bpm0r05WS_mean vs run
χ² / ndf 60.85 / 53
p0 1268 ± 516.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 74.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

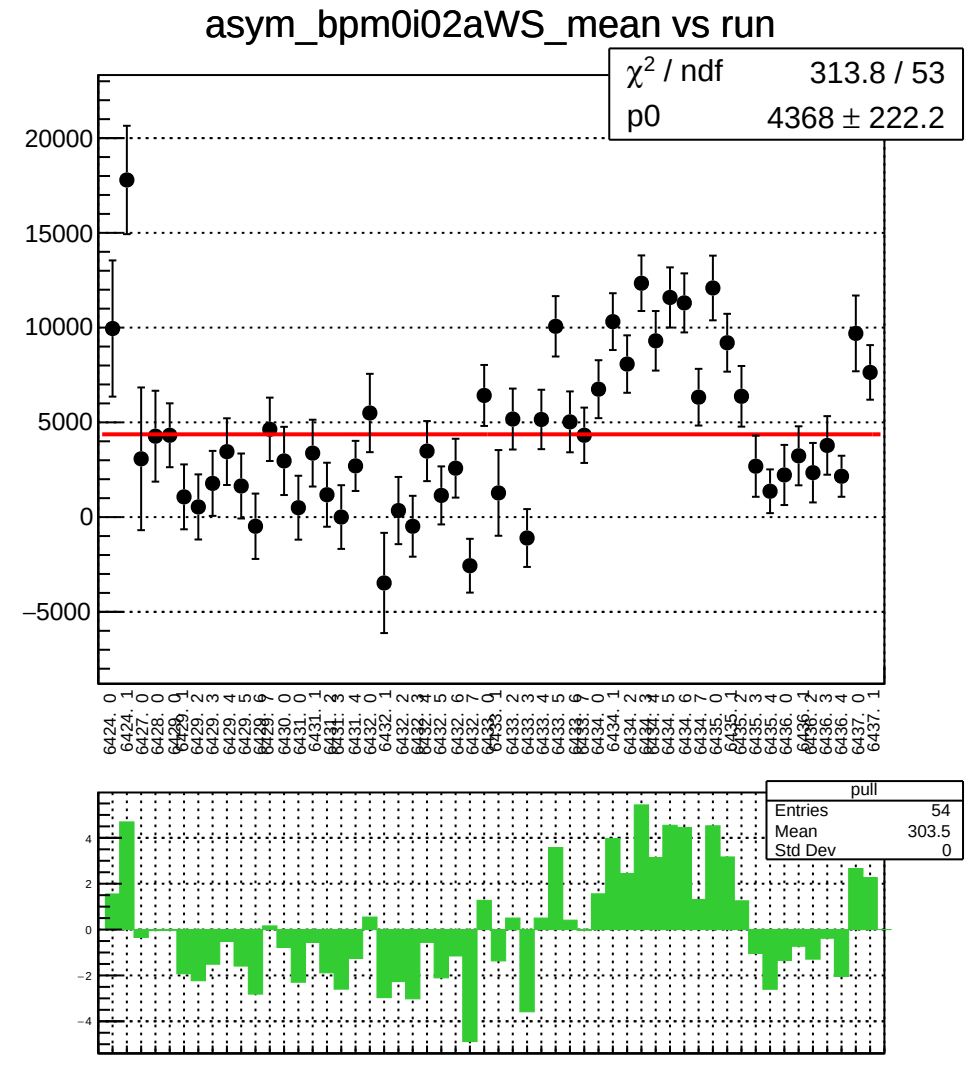

pull1D
Entries 54
Mean 0.01679
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

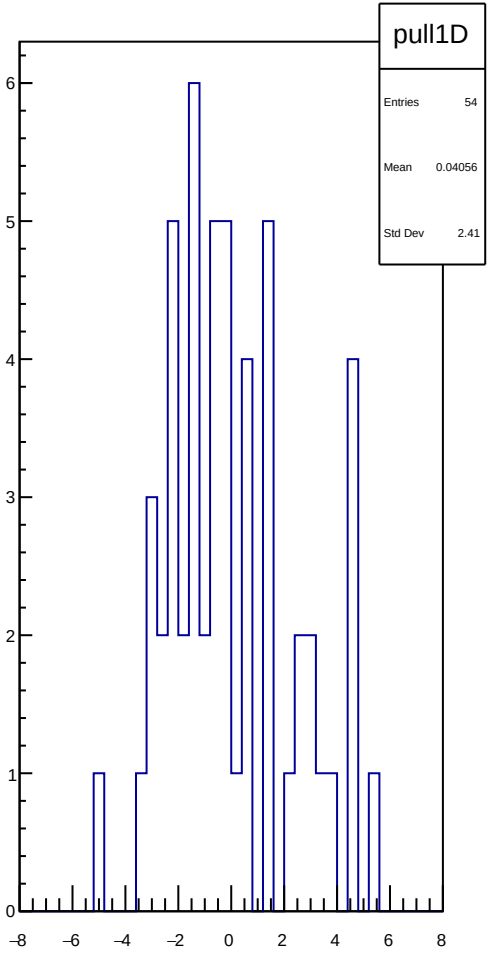

asym_bpm0r05WS_rms vs run
χ² / ndf 1.385e+04 / 53
p0 366.6 ± 0.365
550
500
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

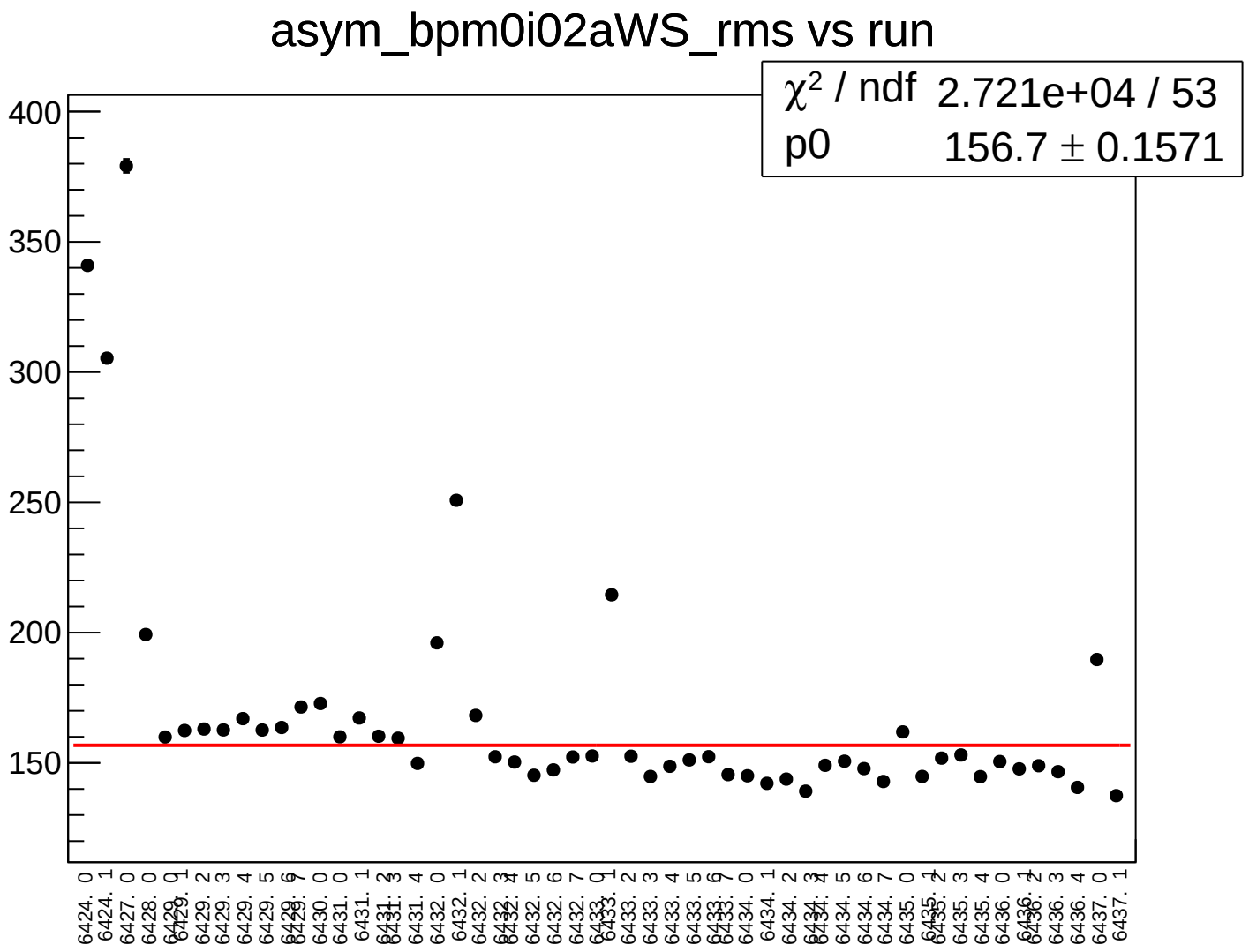

asym_bpm0i02WS_mean vs run
χ² / ndf 652.7 / 53
p0 7054 ± 169.3
pull
Entries 54
Mean 860.1
Std Dev 0

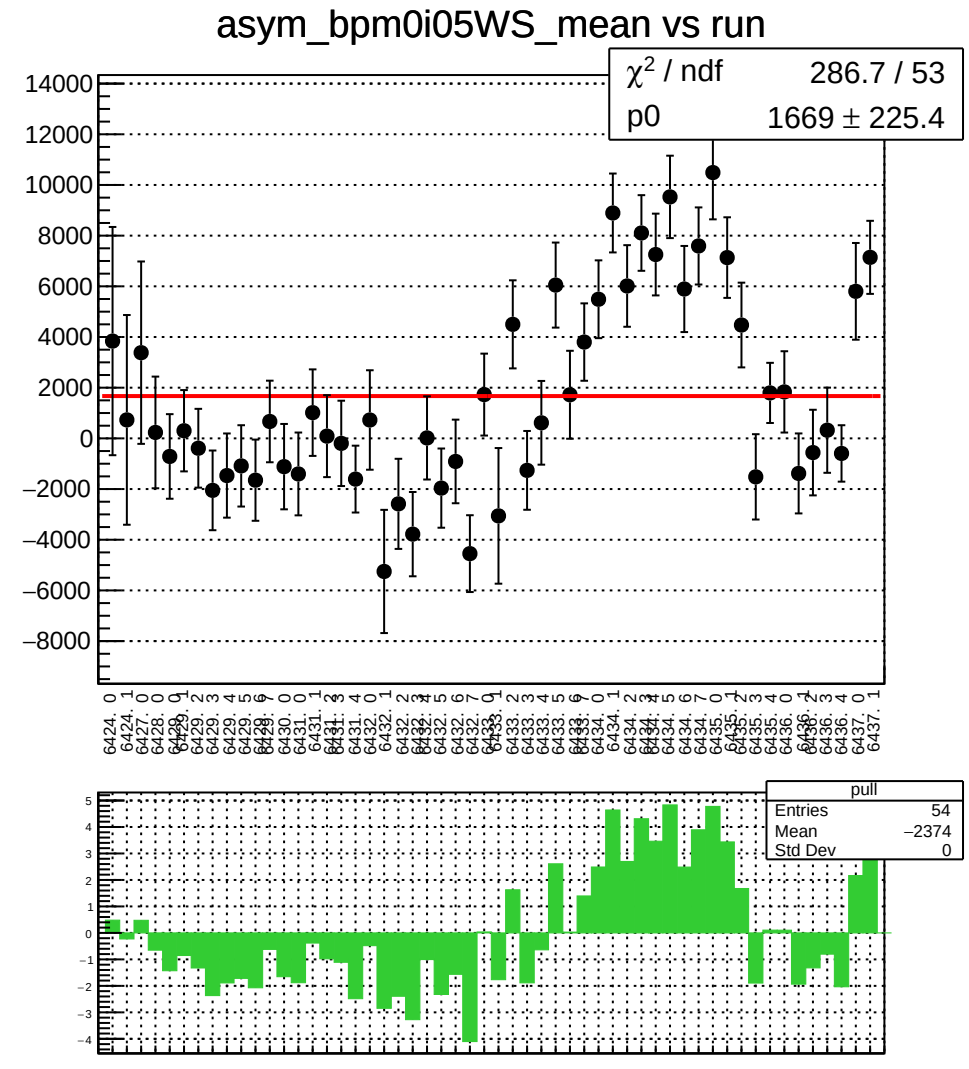

pull1D
Entries 54
Mean 0.2916
Std Dev 2.921

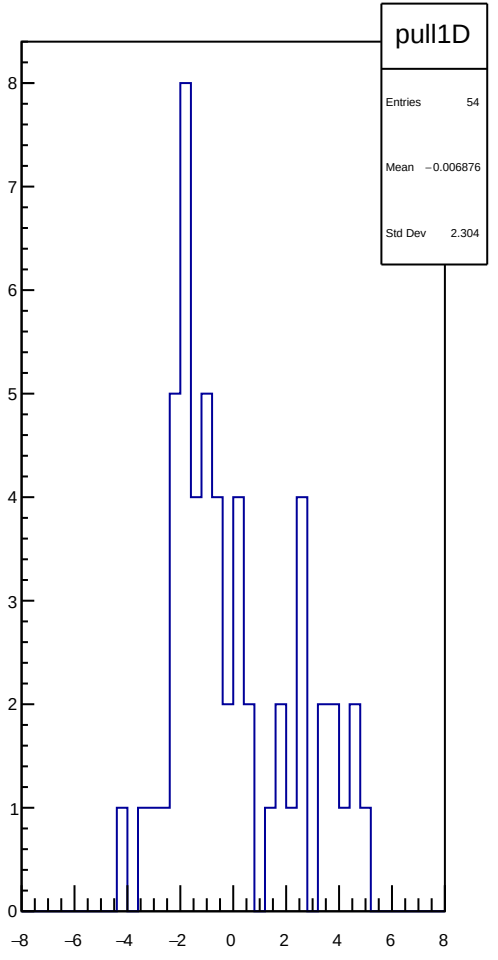

asym_bpm0i02WS_rms vs run
χ² / ndf 3.11e+04 / 53
p0 119.2 ± 0.1197
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

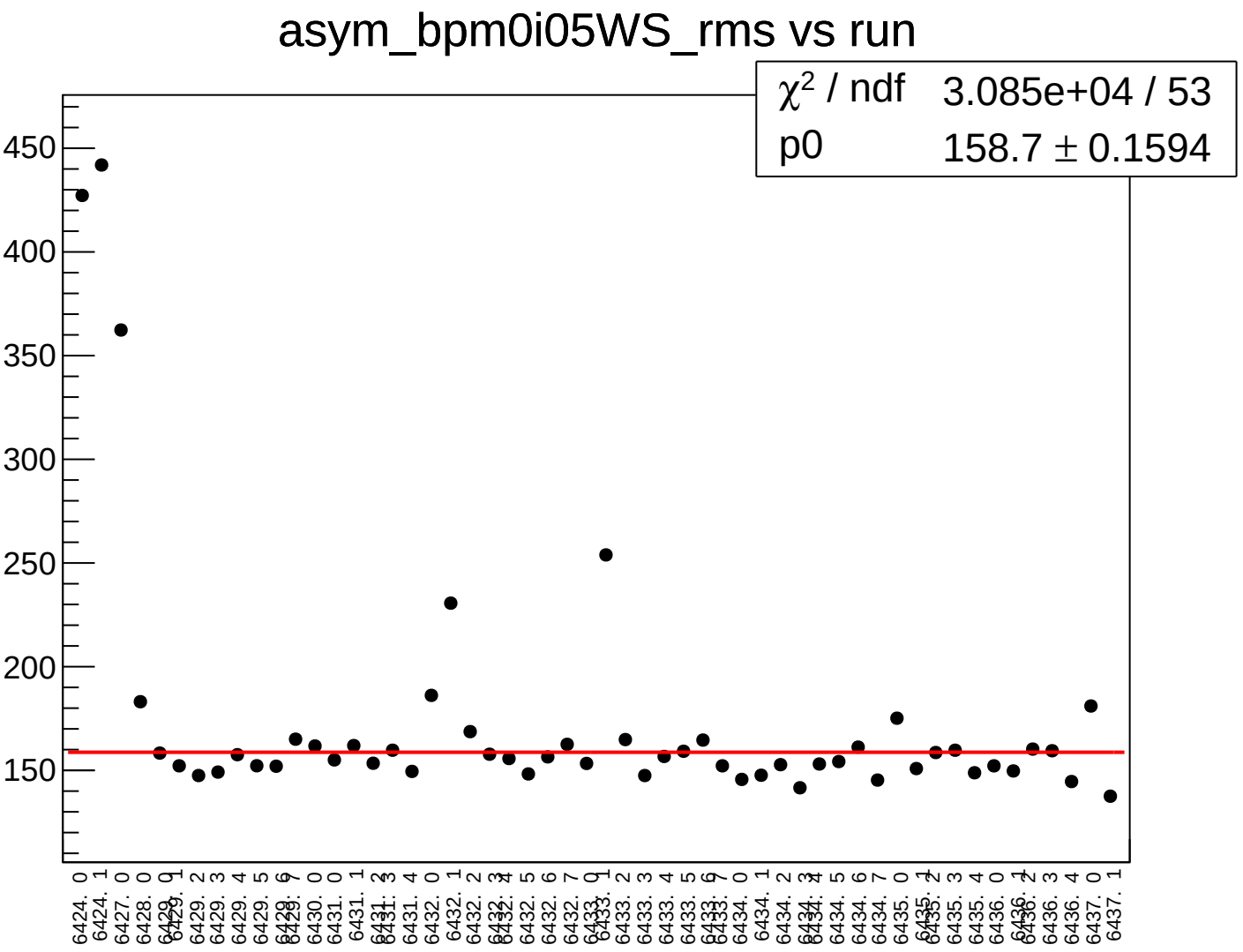

asym_bpm0i02aWS_mean vs run
χ² / ndf 313.8 / 53
p0 4368 ± 222.2
20000
15000
10000
5000
0
−5000
pull
Entries 54
Mean 303.5
Std Dev 0
4
2
0
−2
−4

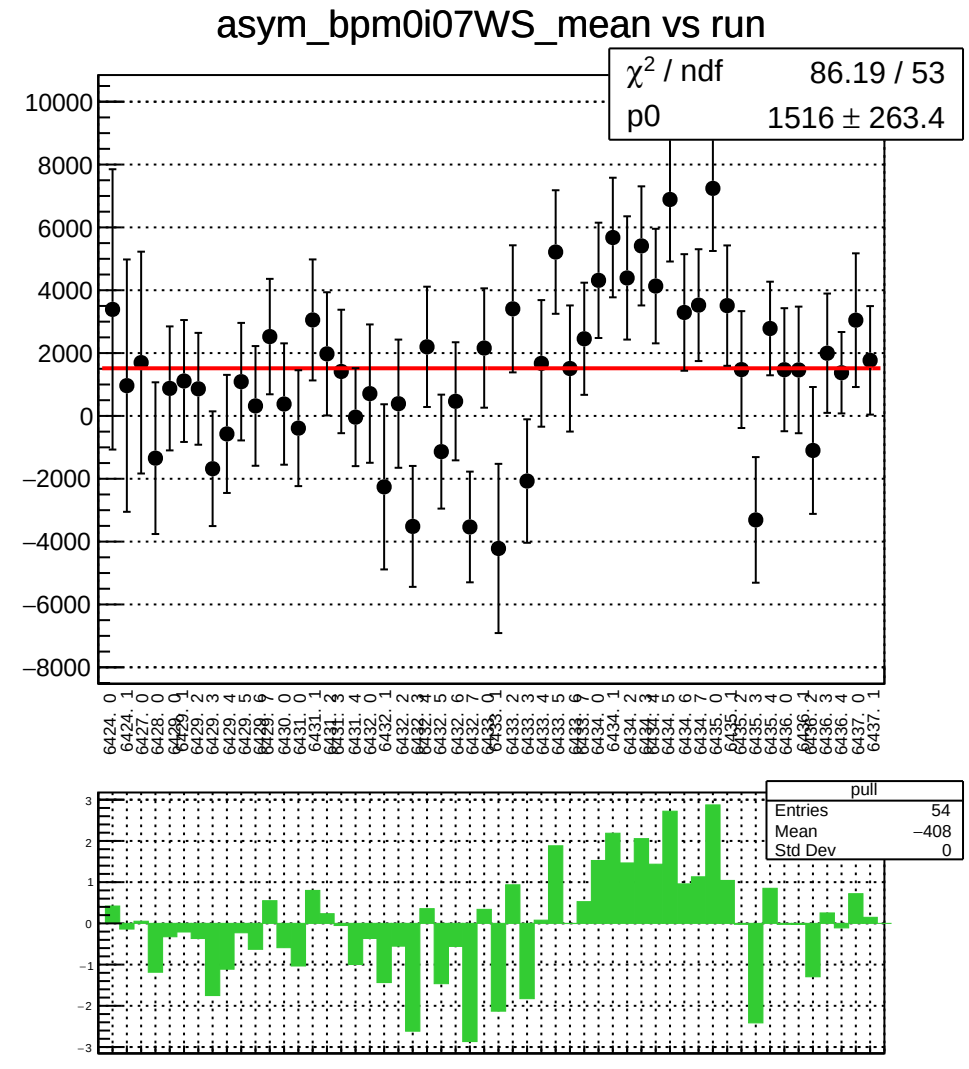

pull1D
Entries 54
Mean 0.04056
Std Dev 2.41
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

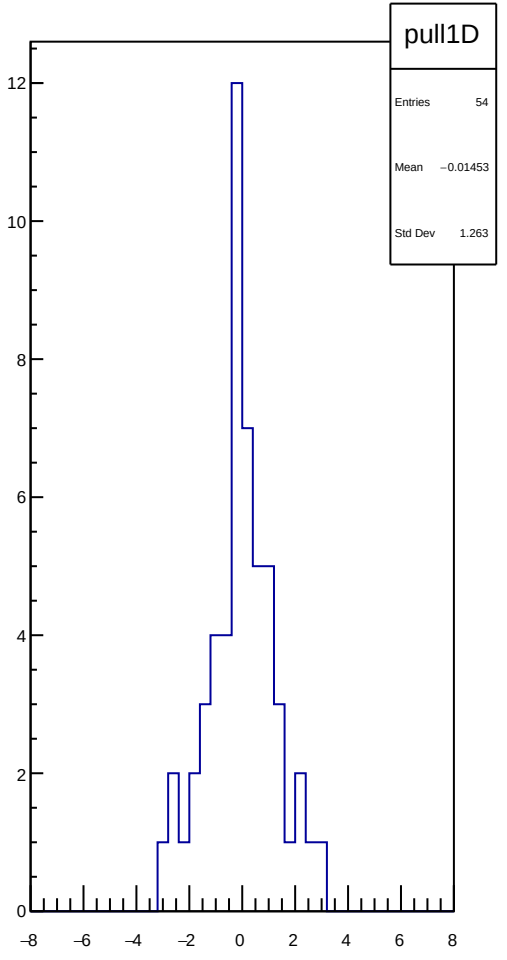

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.721e+04 / 53
p0 156.7 ± 0.1571
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

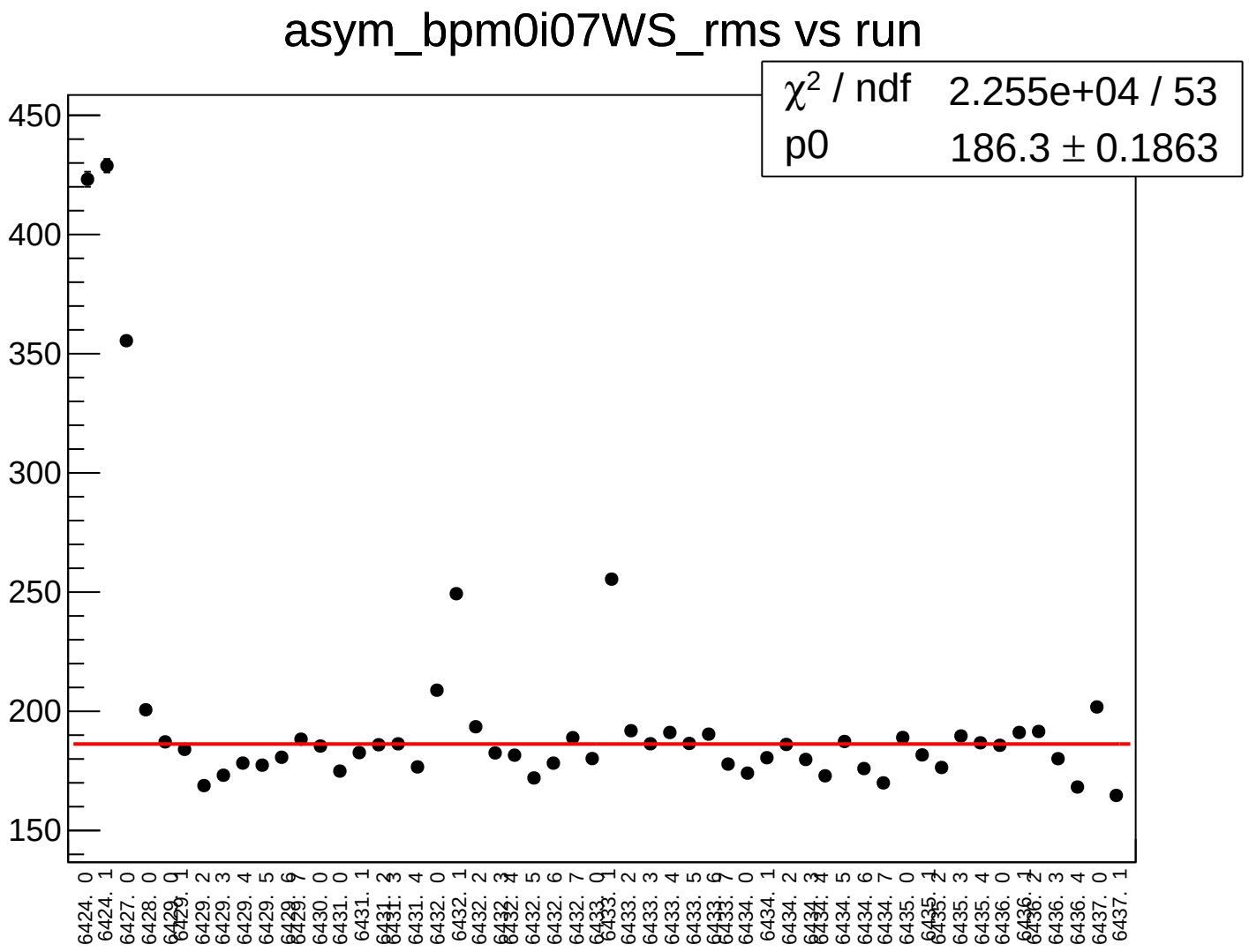

asym_bpm0i05WS_mean vs run
χ² / ndf 286.7 / 53
p0 1669 ± 225.4
pull
Entries 54
Mean −2374
Std Dev 0

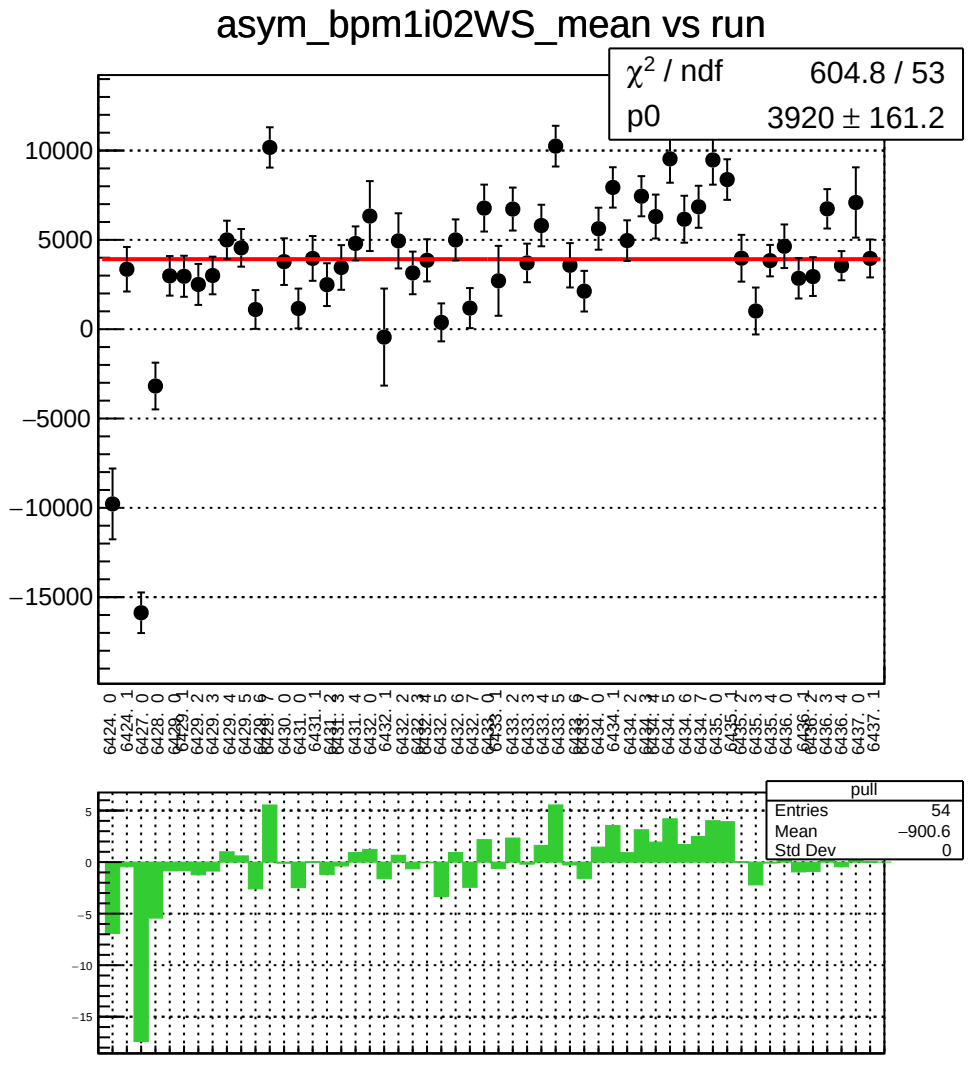

pull1D
Entries 54
Mean −0.006876
Std Dev 2.304

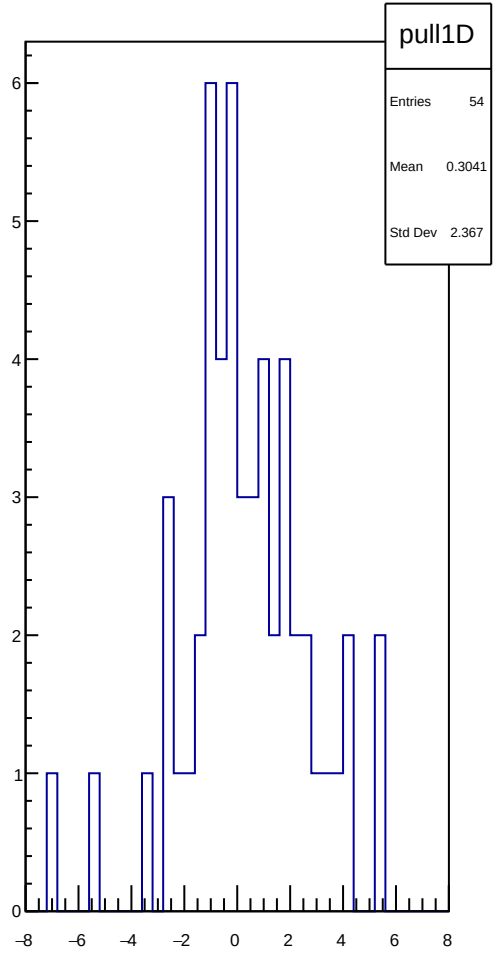

asym_bpm0i05WS_rms vs run
χ² / ndf 3.085e+04 / 53
p0 158.7 ± 0.1594
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

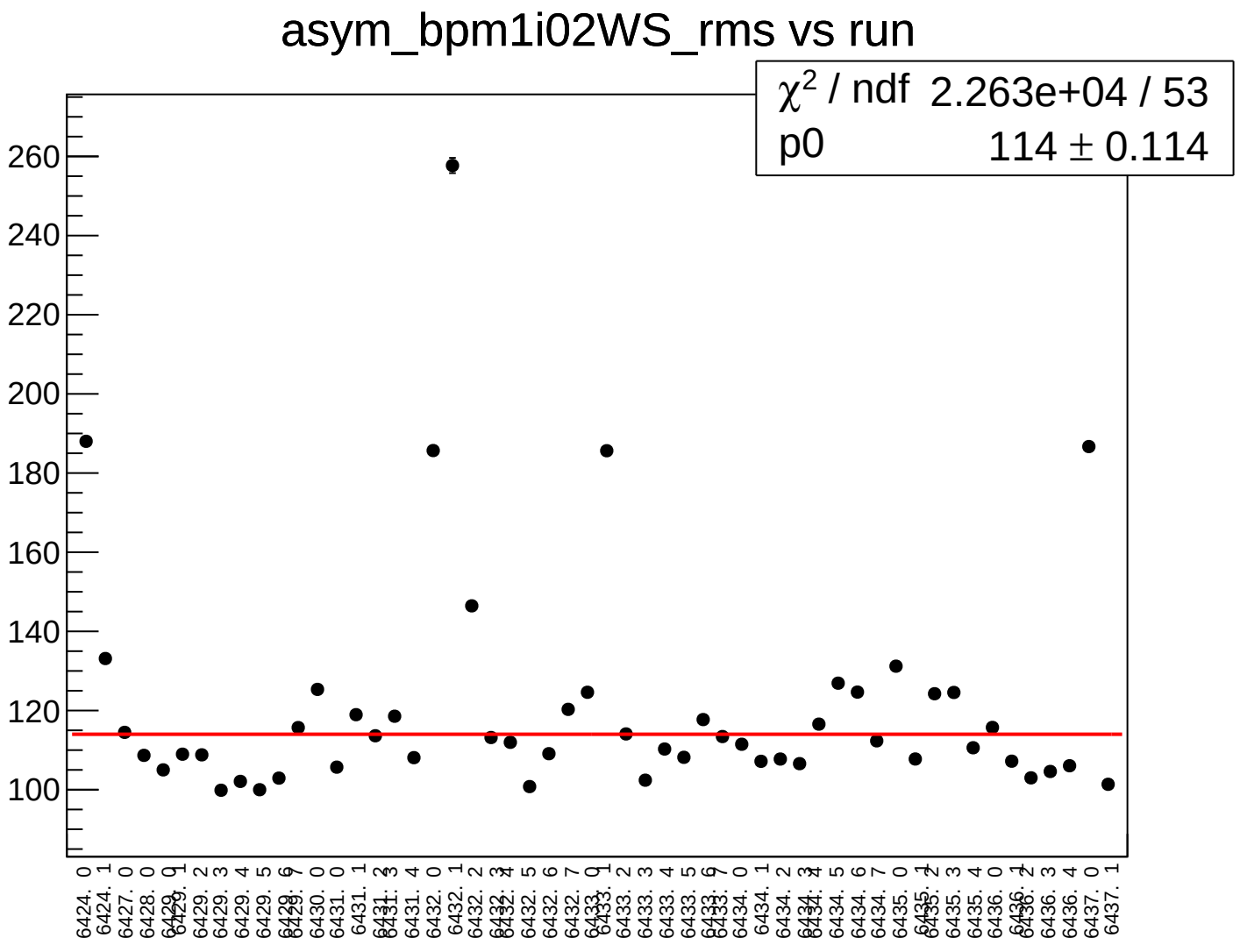

asym_bpm0i07WS_mean vs run
χ² / ndf 86.19 / 53
p0 1516 ± 263.4
pull
Entries 54
Mean −408
Std Dev 0

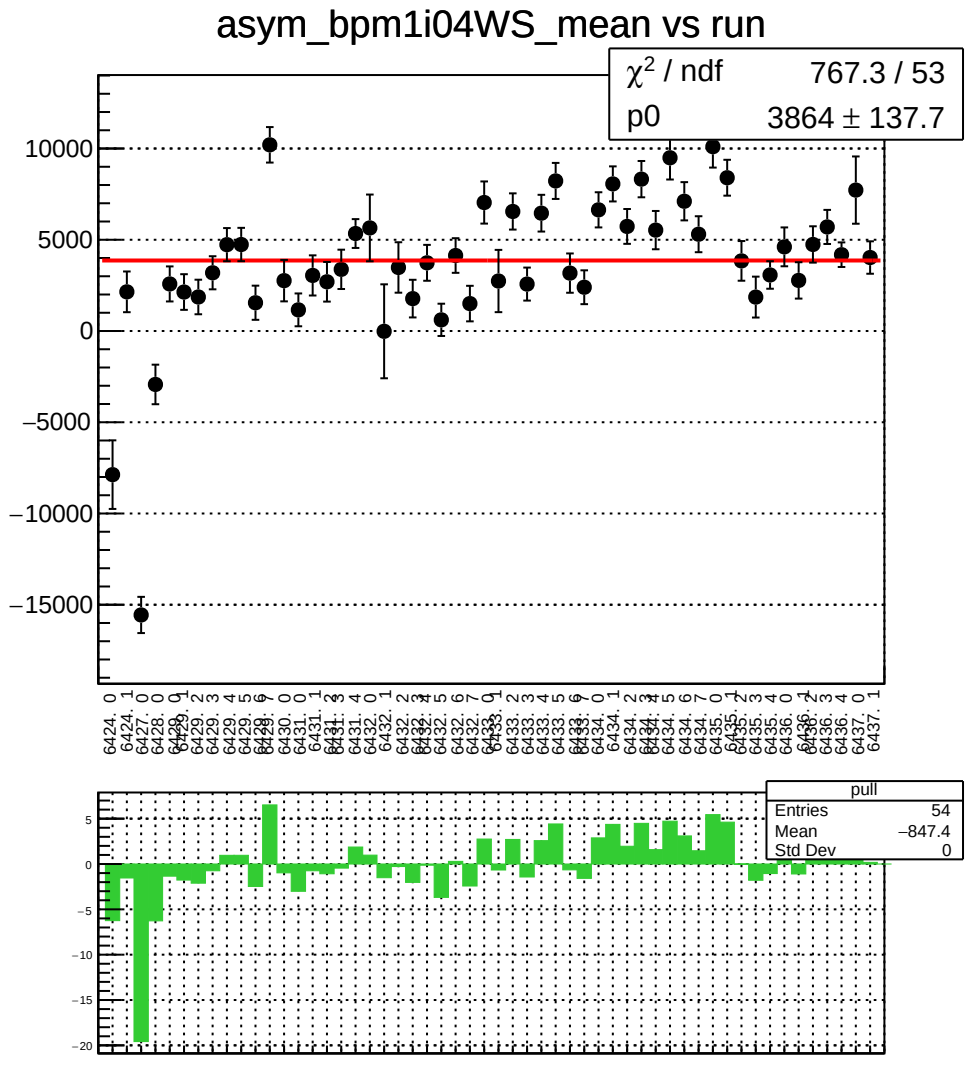

pull1D
Entries 54
Mean −0.01453
Std Dev 1.263

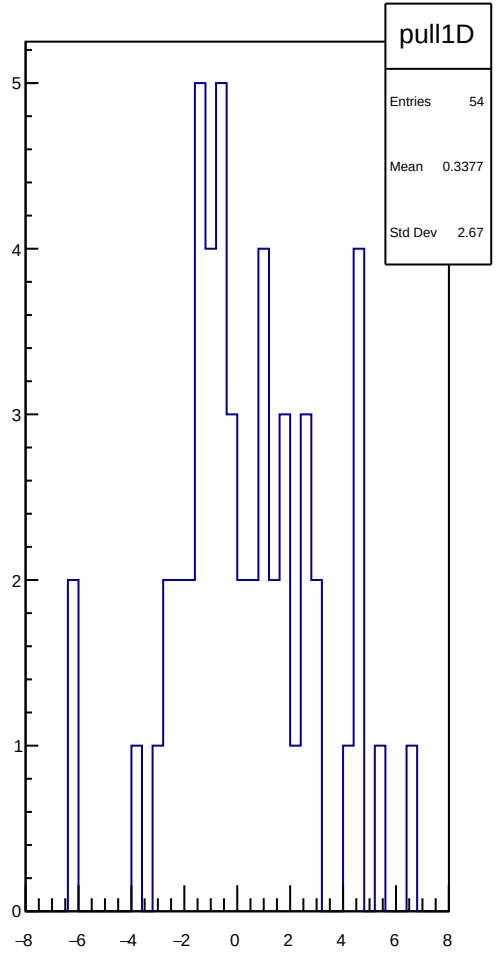

asym_bpm0i07WS_rms vs run
χ^2 / ndf 2.255e+04 / 53
p0 186.3 ± 0.1863
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

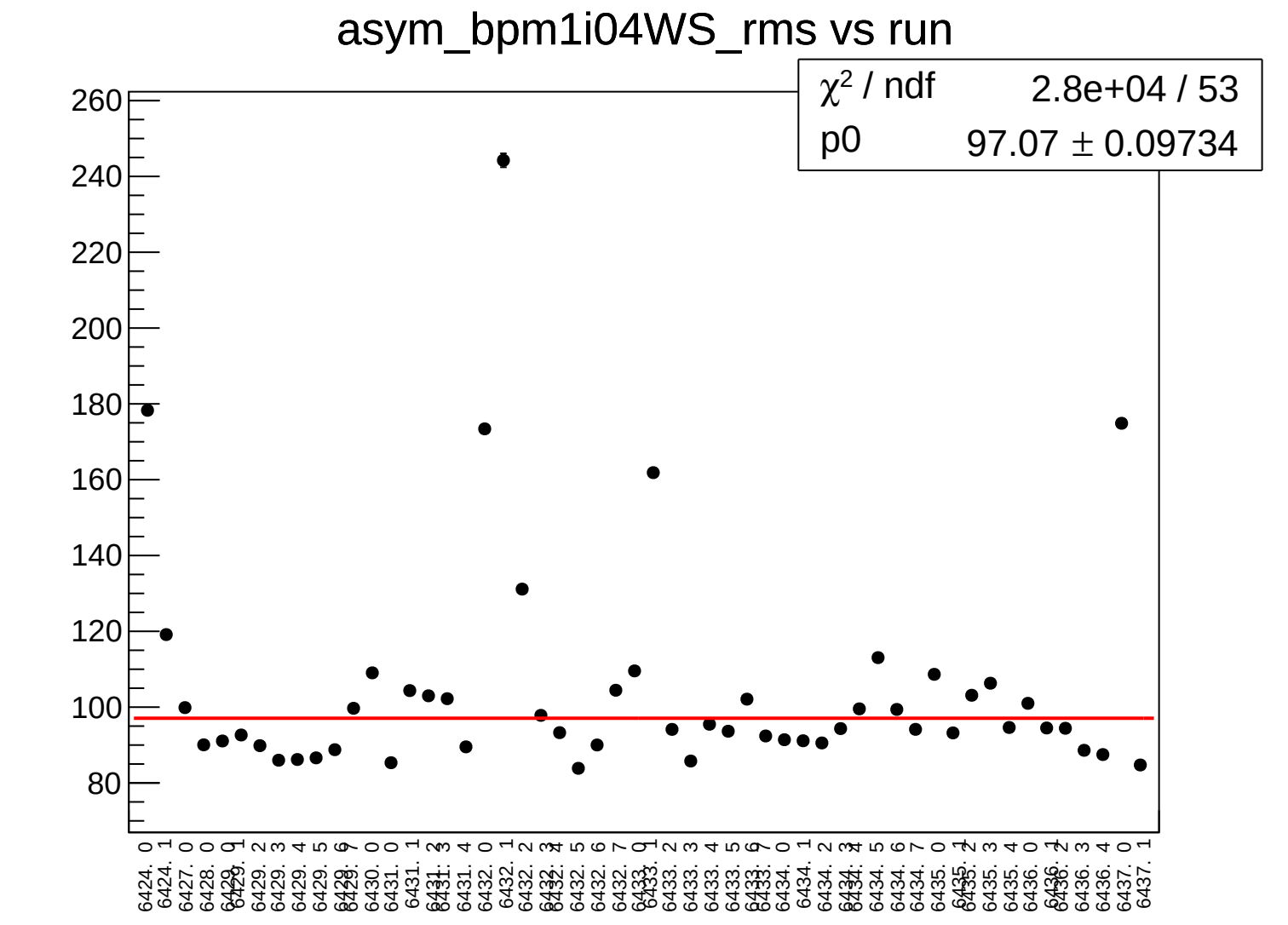

asym_bpm1i02WS_mean vs run
χ² / ndf 604.8 / 53
p0 3920 ± 161.2
pull
Entries 54
Mean −900.6
Std Dev 0

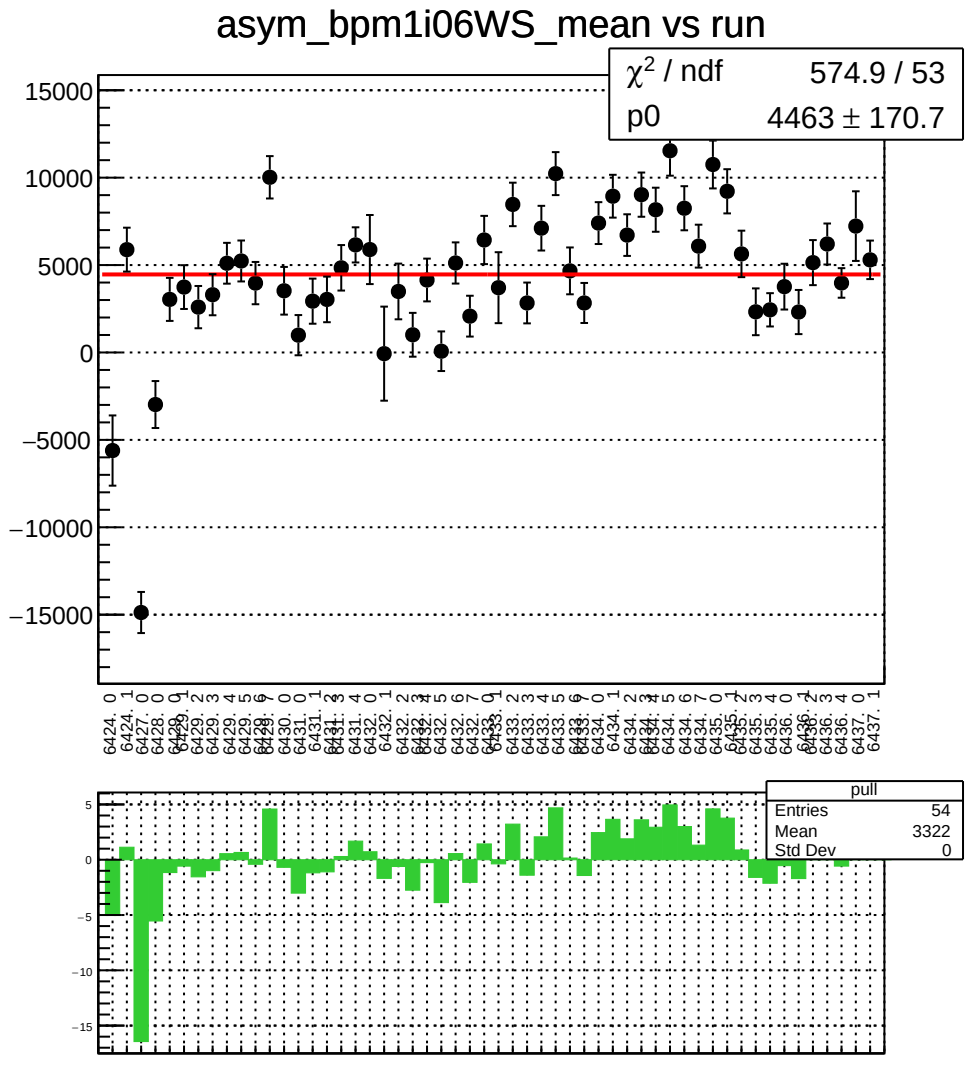

pull1D
Entries 54
Mean 0.3041
Std Dev 2.367

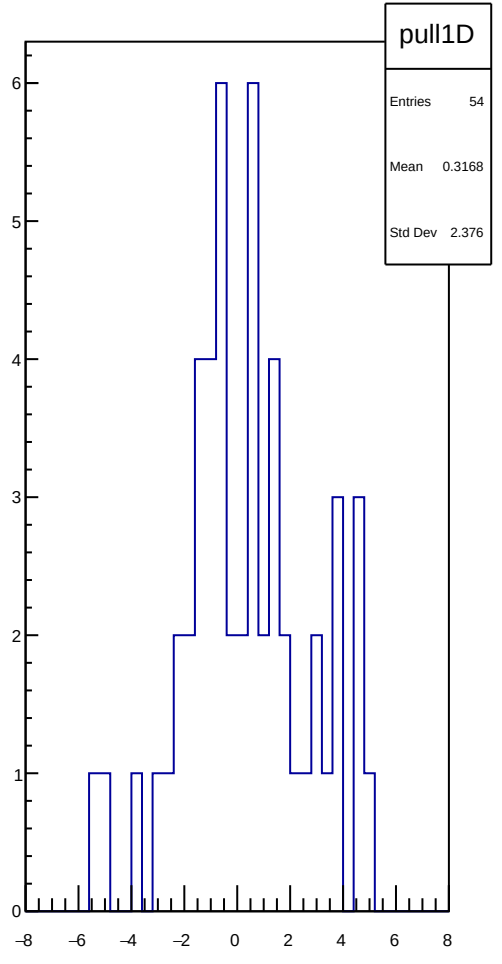

asym_bpm1i02WS_rms vs run
χ^2 / ndf 2.263e+04 / 53
p0 114 ± 0.114
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

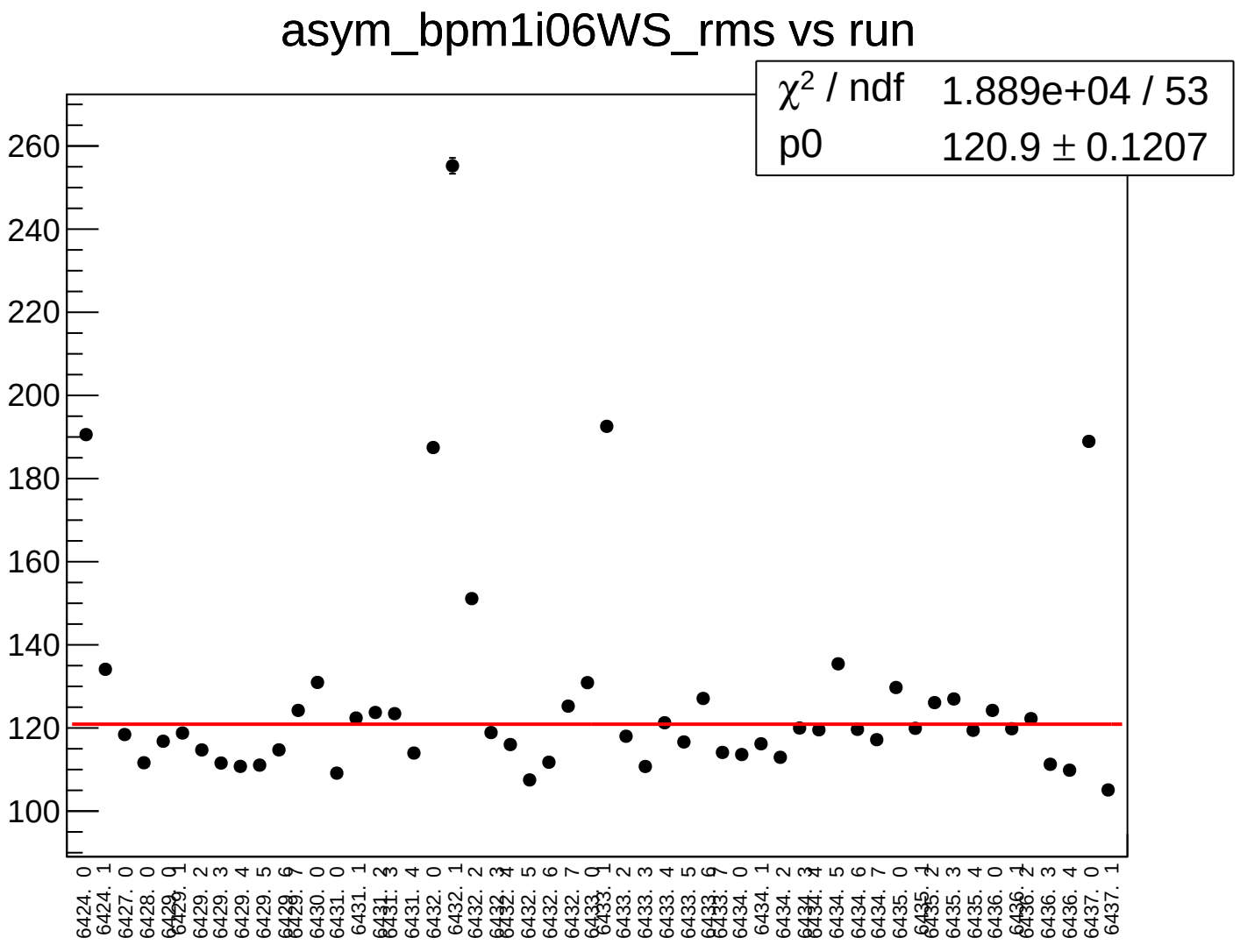

asym_bpm1i04WS_mean vs run
χ² / ndf 767.3 / 53
p0 3864 ± 137.7
pull
Entries 54
Mean −847.4
Std Dev 0

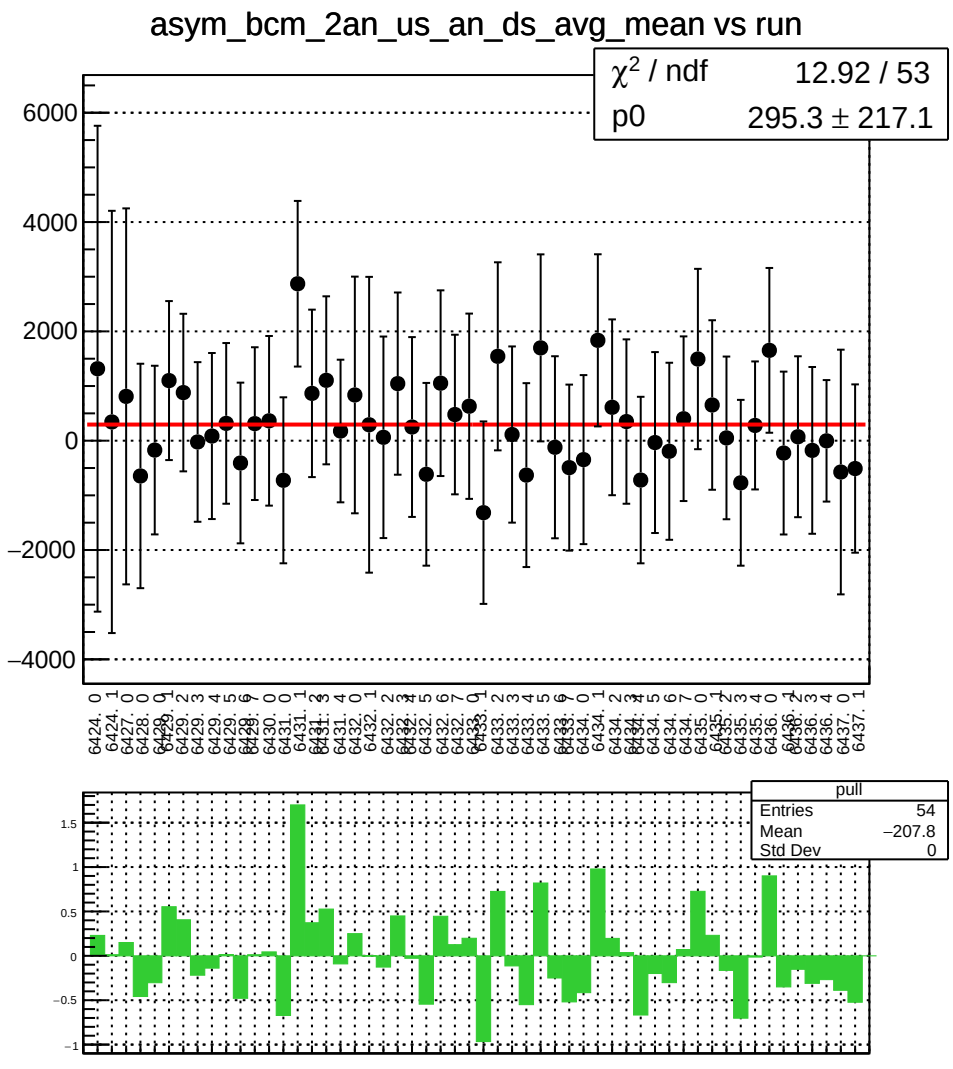

pull1D
Entries 54
Mean 0.3377
Std Dev 2.67

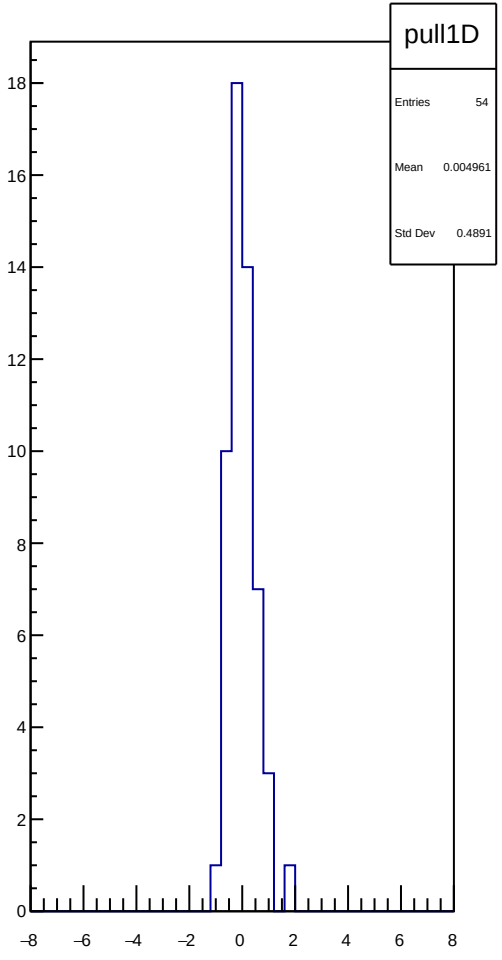

asym_bpm1i04WS_rms vs run
χ² / ndf 2.8e+04 / 53
p0 97.07 ± 0.09734
260
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

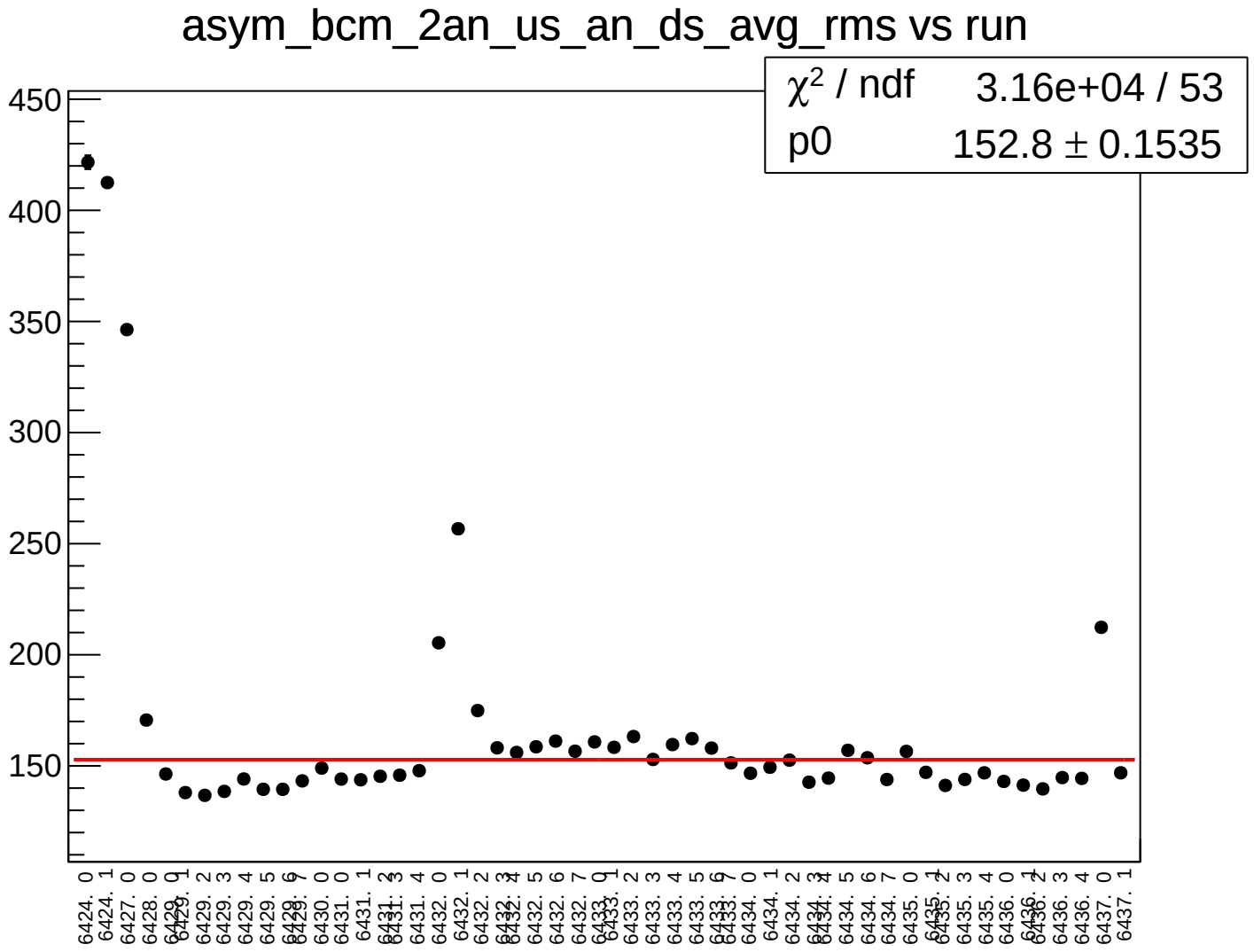

asym_bpm1i06WS_mean vs run
χ² / ndf 574.9 / 53
p0 4463 ± 170.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 3322
Std Dev 0
5
0
−5
−10
−15

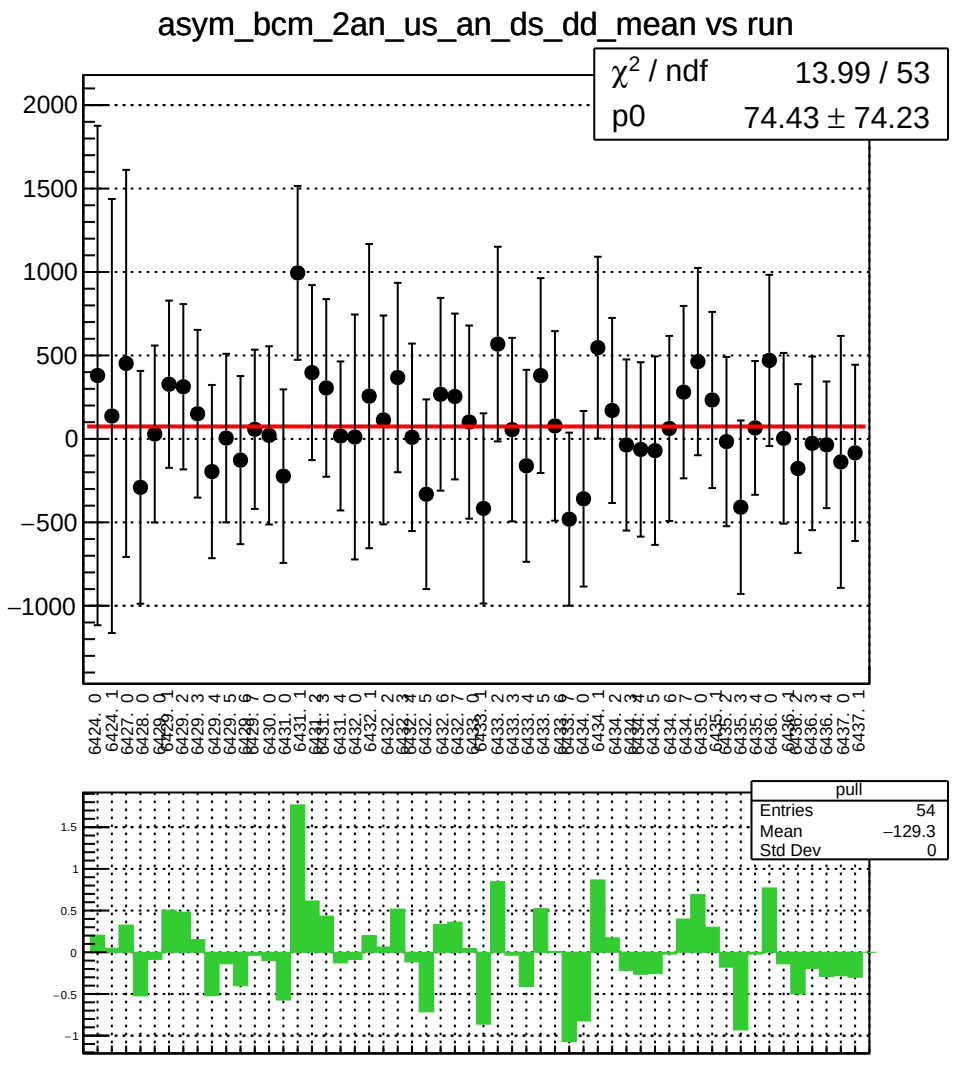

pull1D
Entries 54
Mean 0.3168
Std Dev 2.376
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

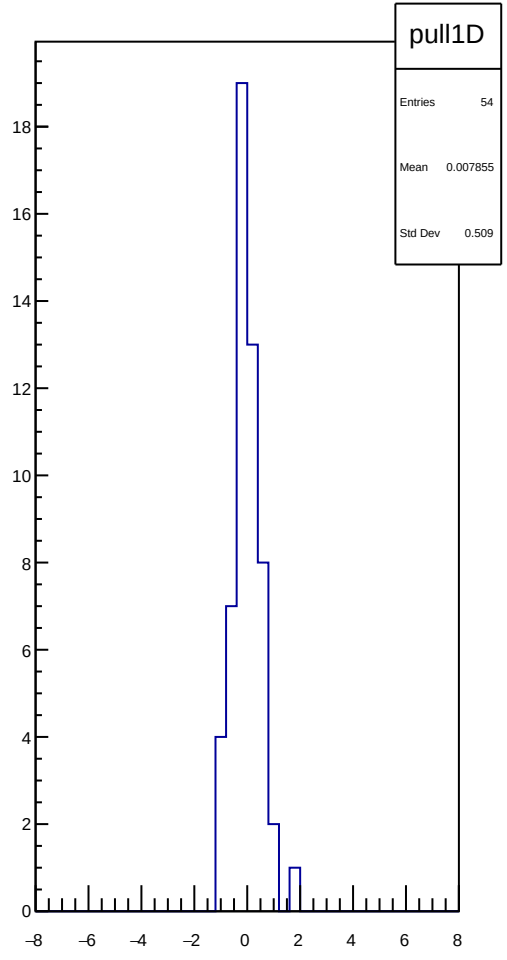

asym_bpm1i06WS_rms vs run
χ² / ndf 1.889e+04 / 53
p0 120.9 ± 0.1207
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

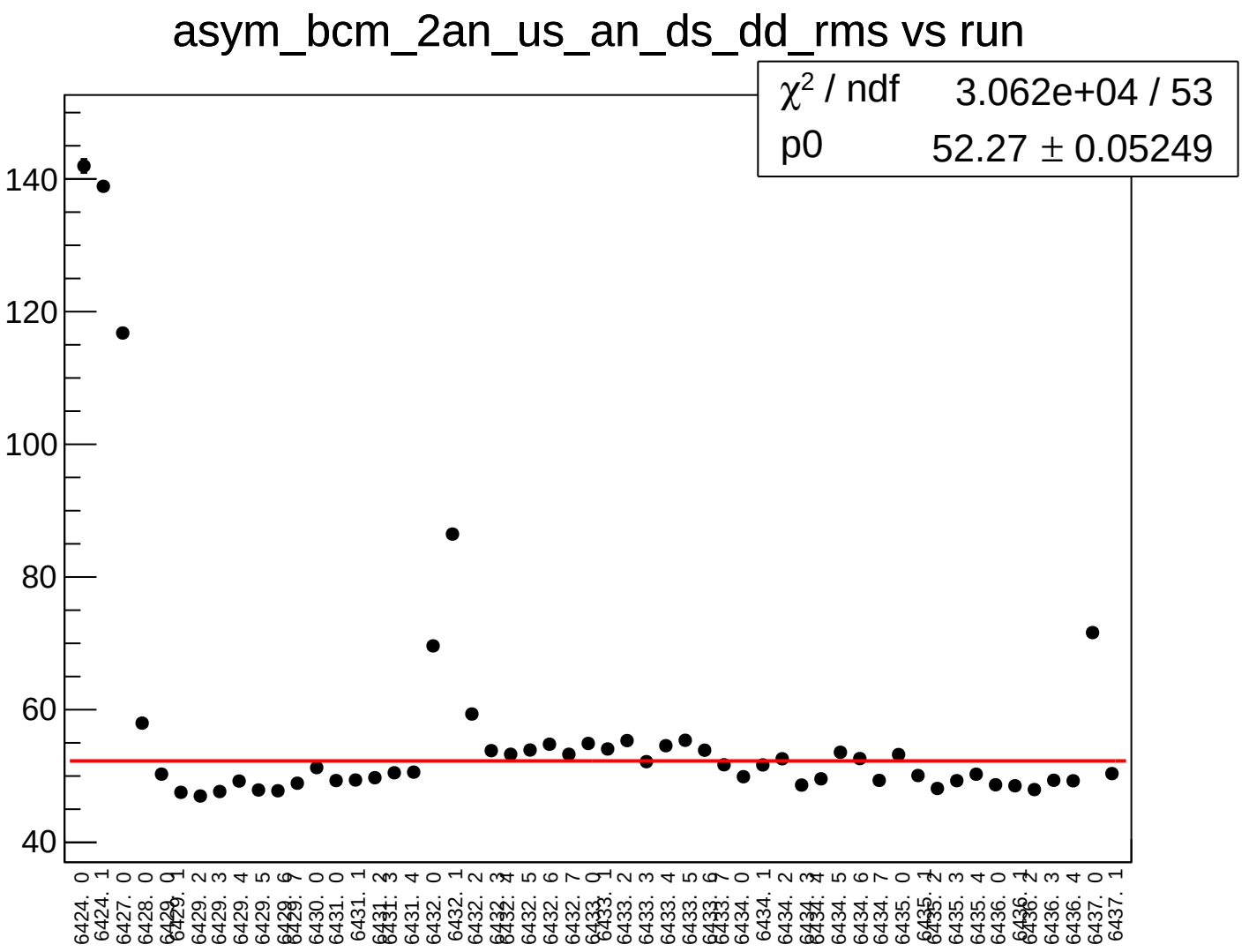

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 12.92 / 53
p0 295.3 ± 217.1
pull
Entries 54
Mean −207.8
Std Dev 0

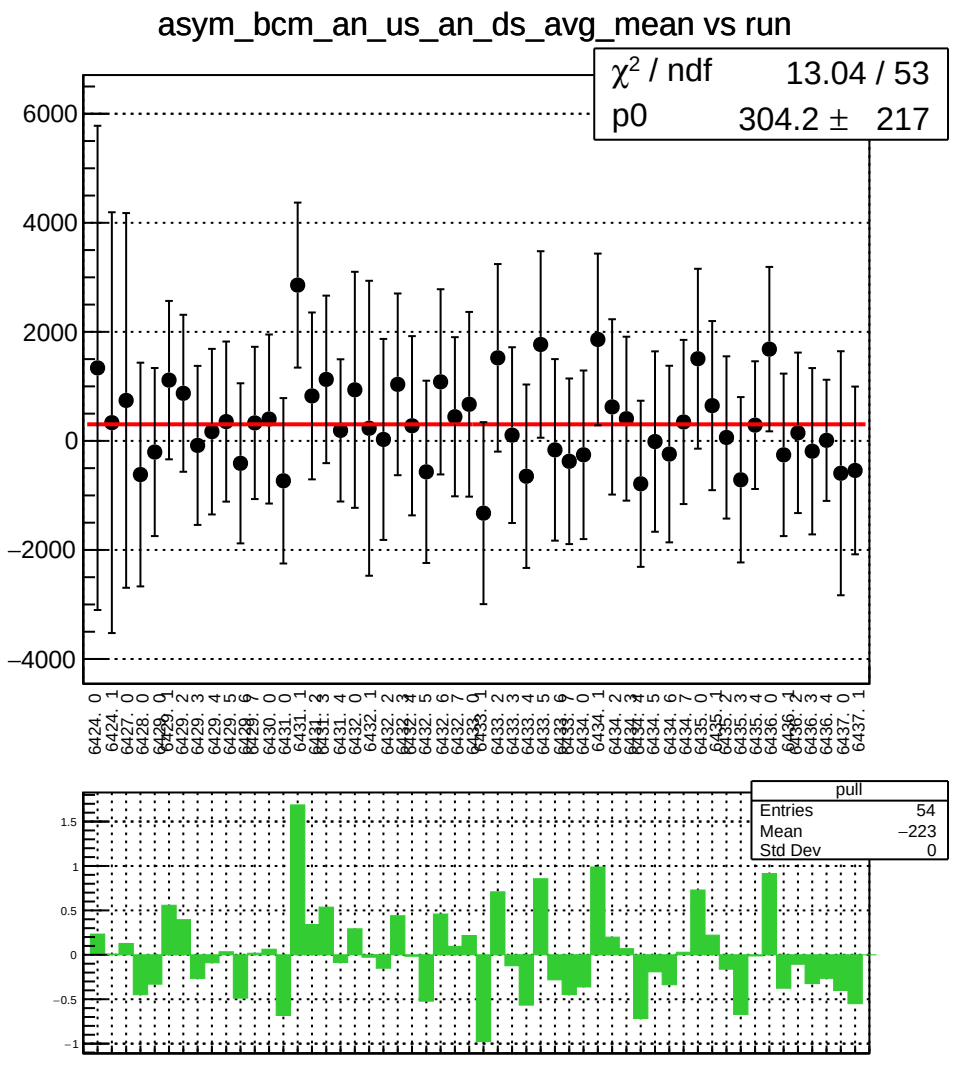

pull1D
Entries 54
Mean 0.004961
Std Dev 0.4891

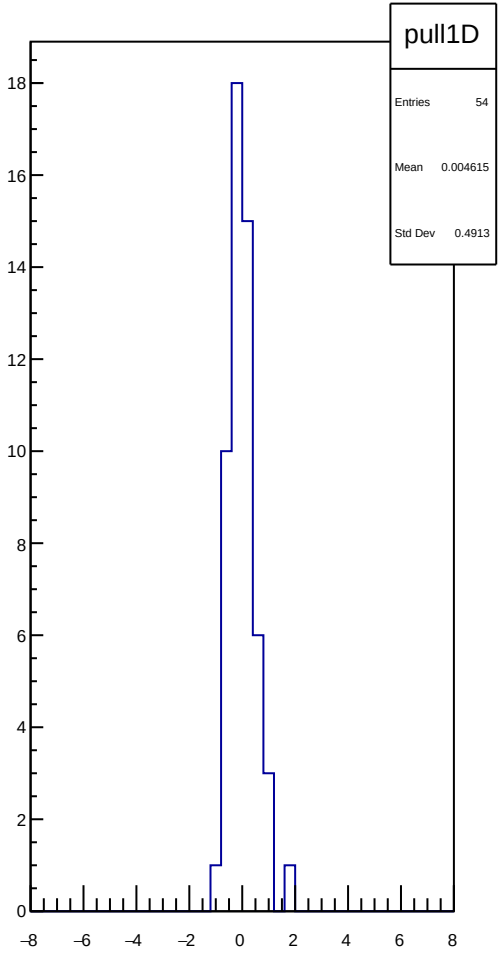

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.16e+04 / 53
p0 152.8 ± 0.1535
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

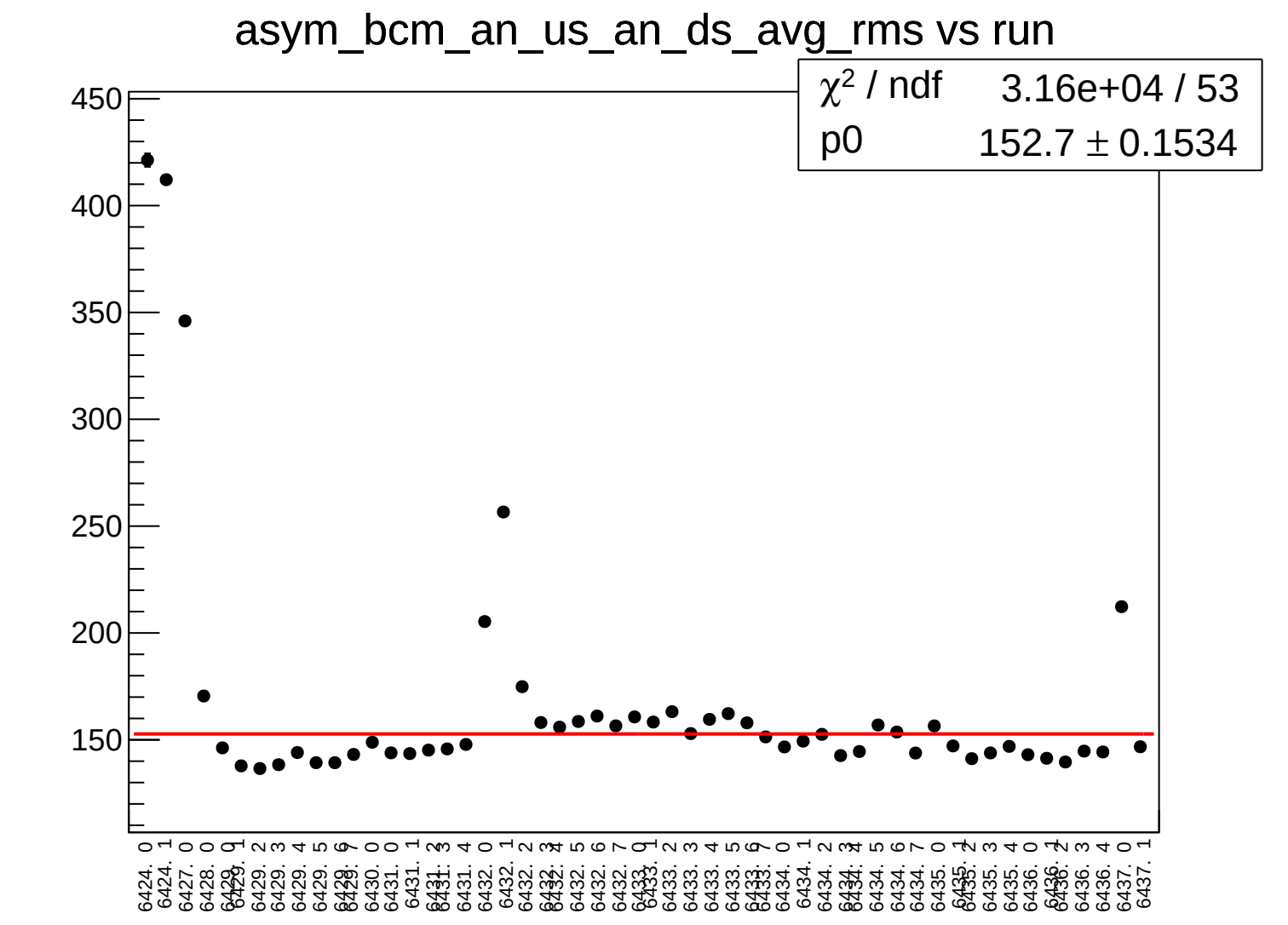

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 13.99 / 53
p0 74.43 ± 74.23
2000
1500
1000
500
0
−500
−1000
pull
Entries 54
Mean −129.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1

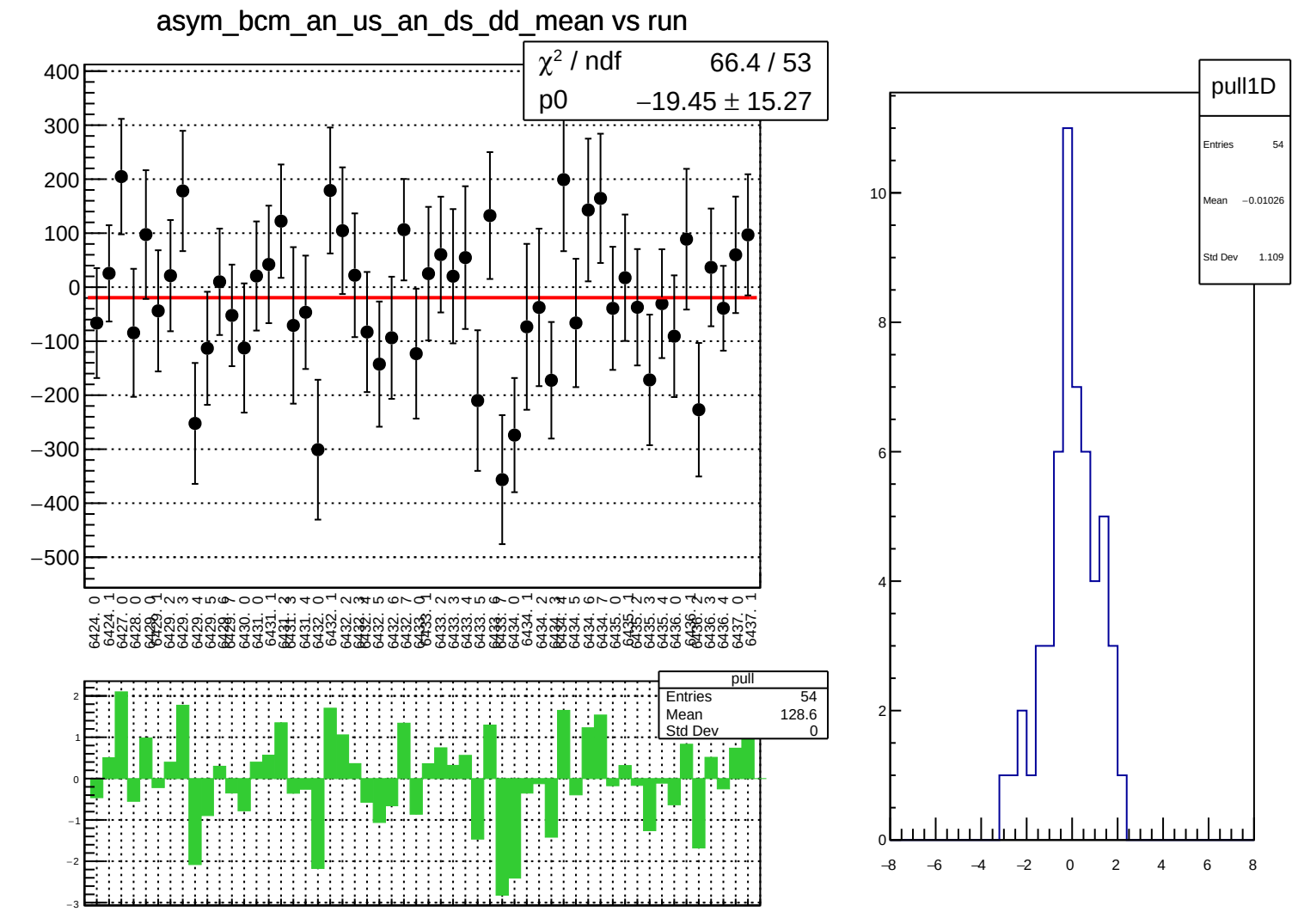

pull1D
Entries 54
Mean 0.007855
Std Dev 0.509
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

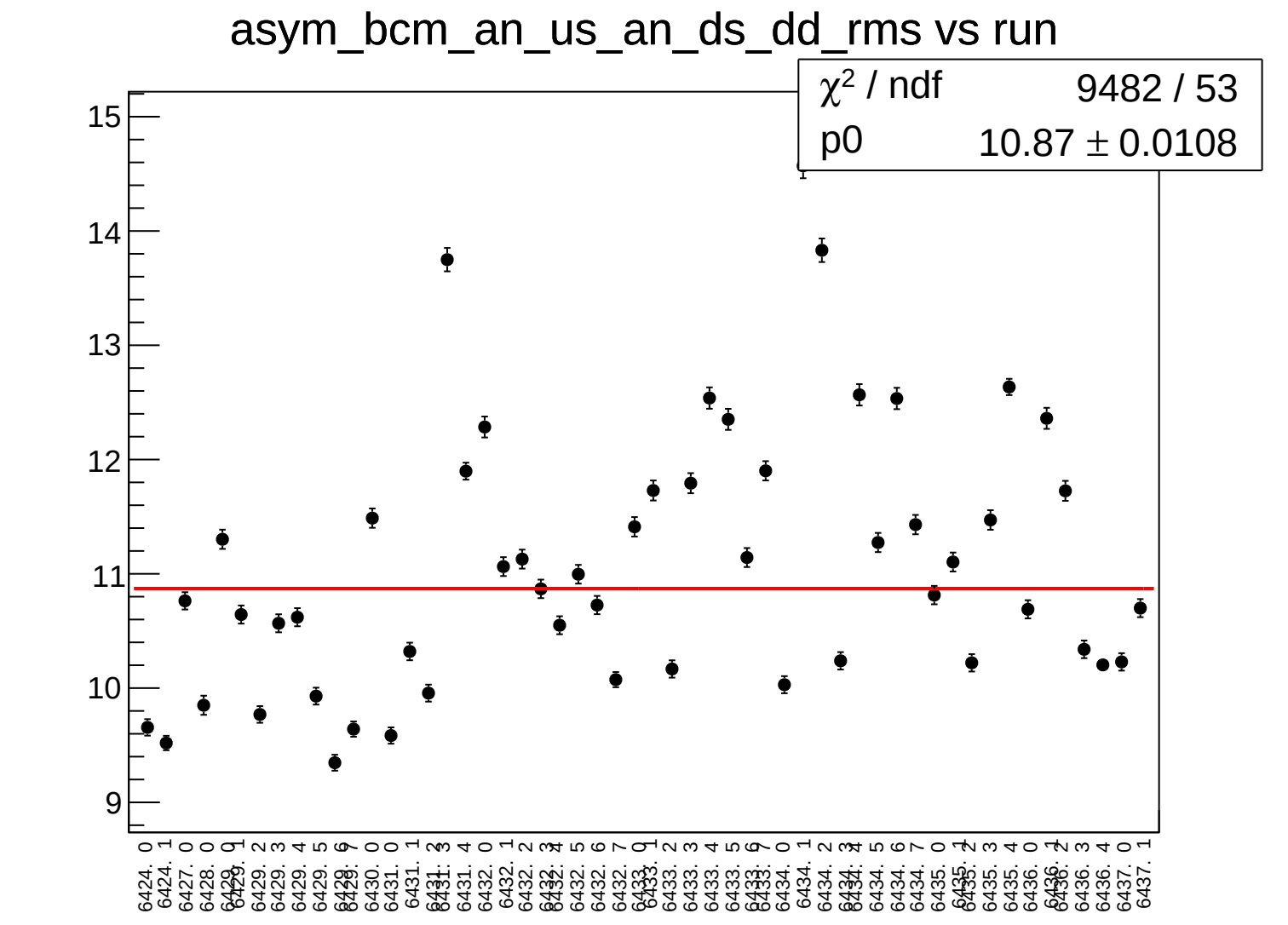

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 3.062e+04 / 53
p0 52.27 ± 0.05249
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

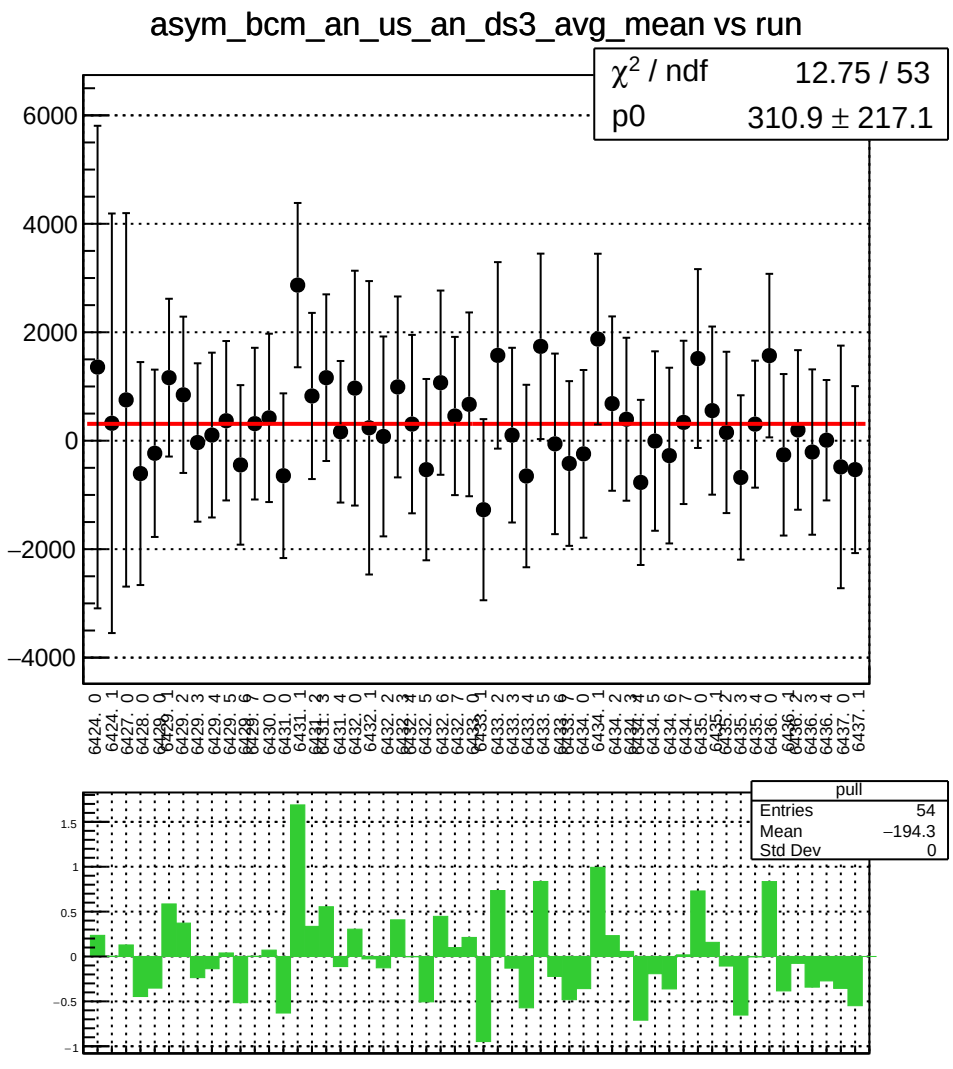

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 13.04 / 53
p0 304.2 ± 217
pull
Entries 54
Mean −223
Std Dev 0

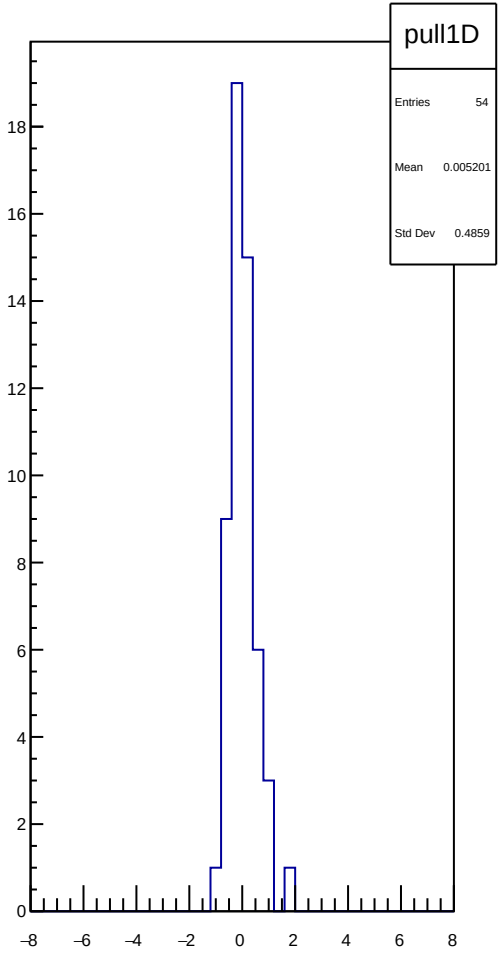

pull1D
Entries 54
Mean 0.004615
Std Dev 0.4913

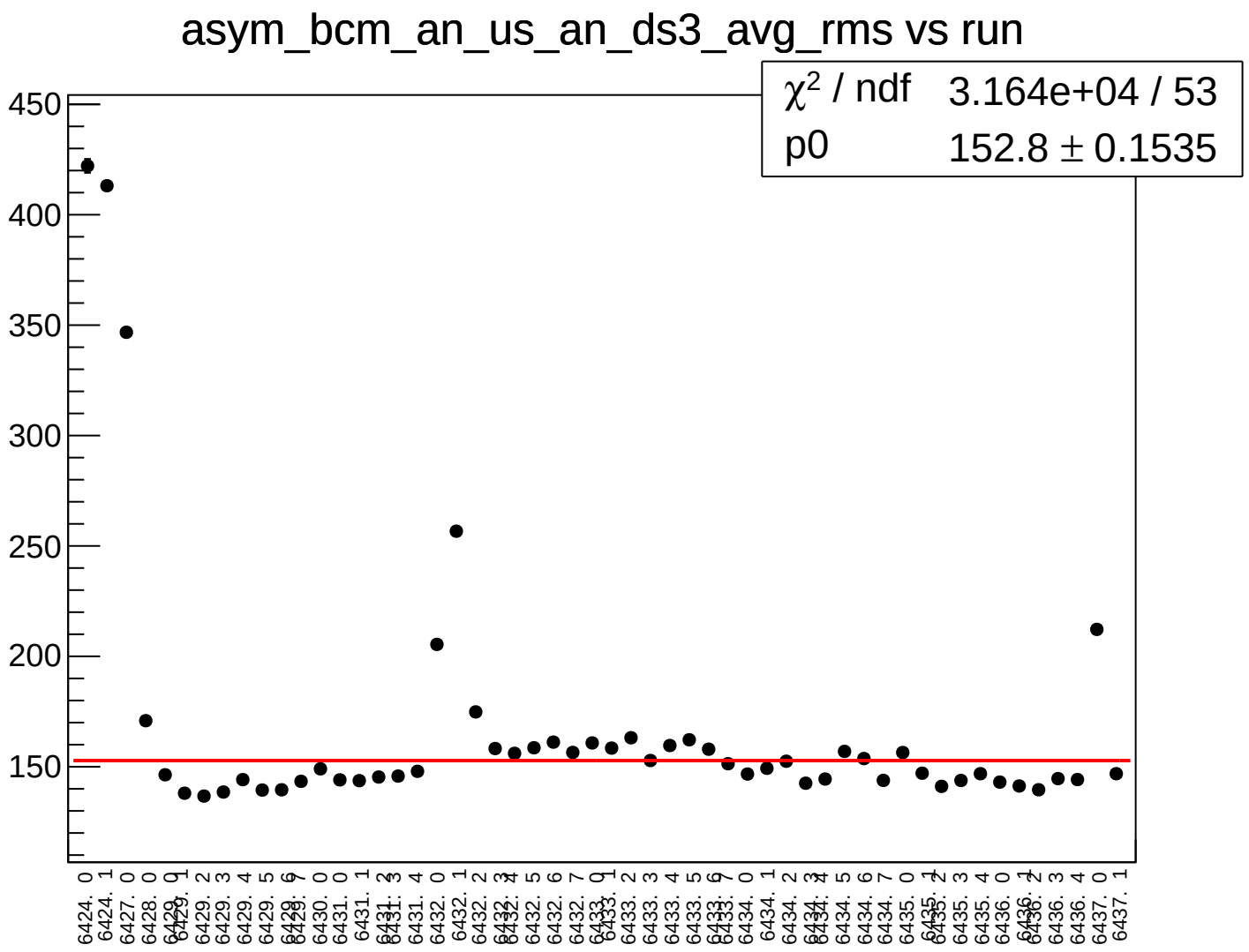

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.16e+04 / 53
p0 152.7 ± 0.1534
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

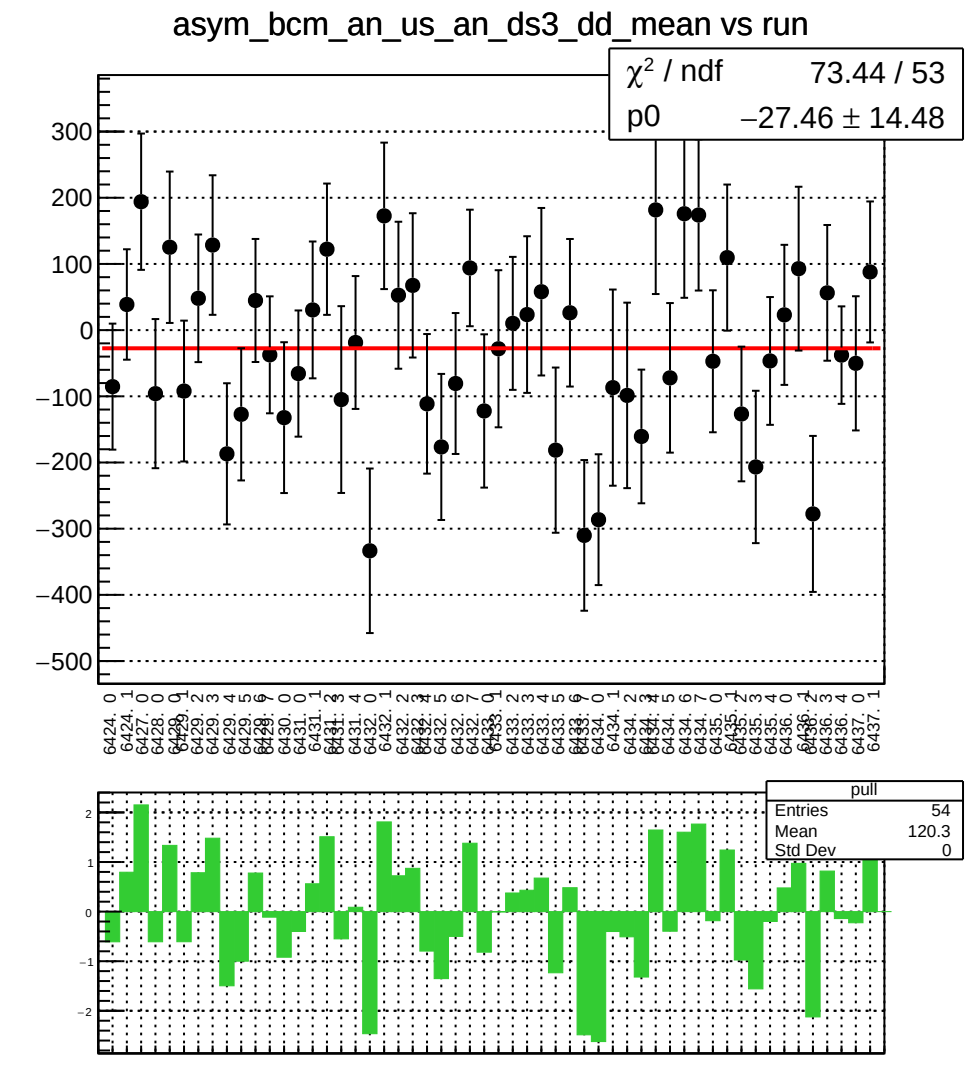

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 66.4 / 53
p0 −19.45 ± 15.27
pull
Entries 54
Mean 128.6
Std Dev 0
pull1D
Entries 54
Mean −0.01026
Std Dev 1.109

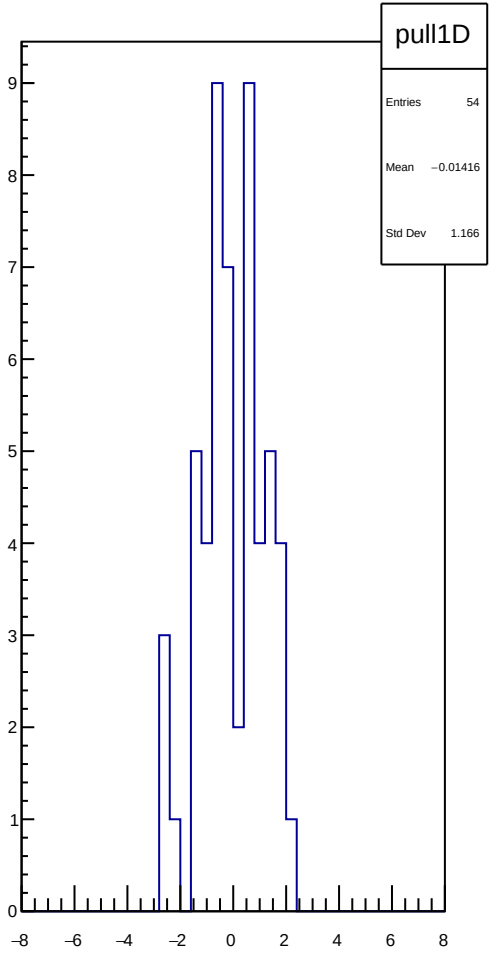

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 9482 / 53
p0 10.87 ± 0.0108
15
14
13
12
11
10
9
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

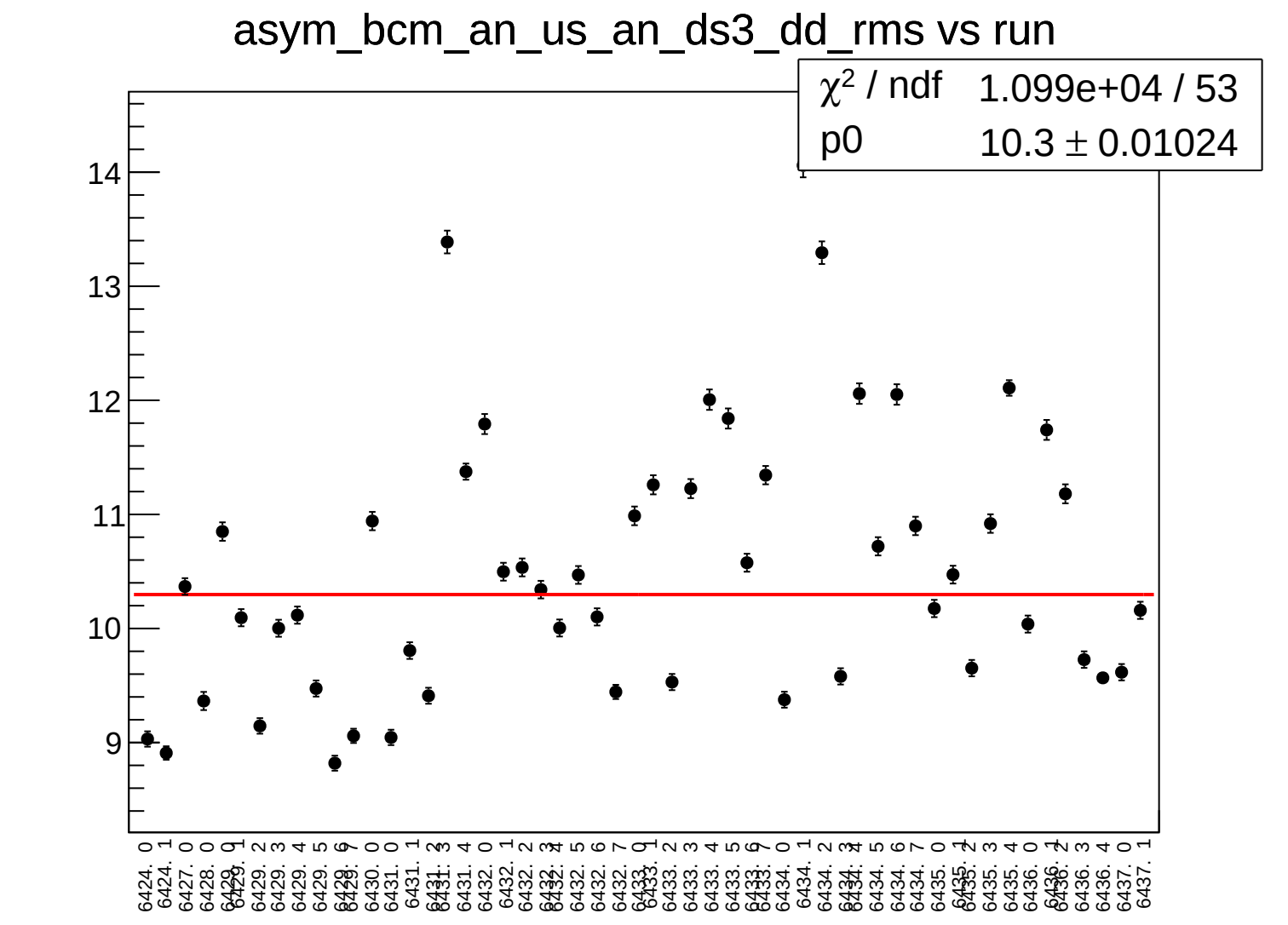

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 12.75 / 53
p0 310.9 ± 217.1
pull
Entries 54
Mean −194.3
Std Dev 0

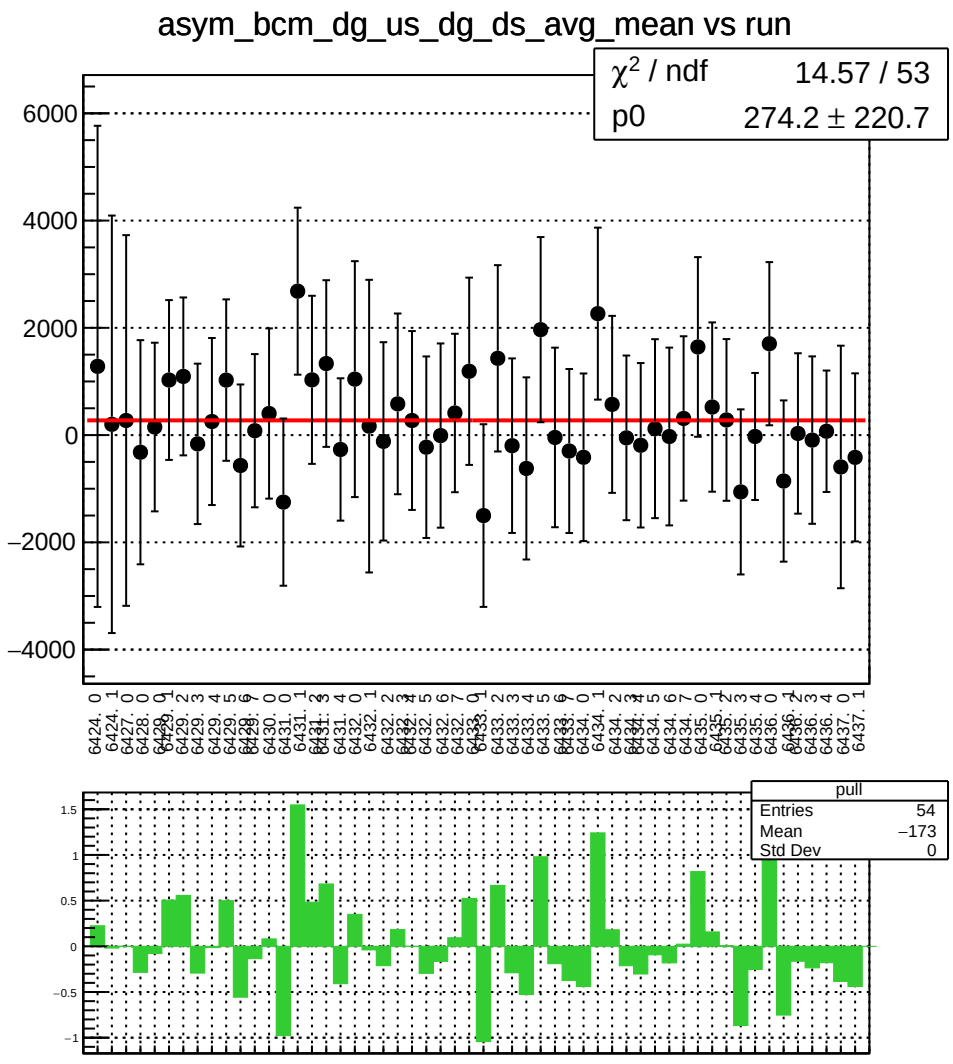

pull1D
Entries 54
Mean 0.005201
Std Dev 0.4859

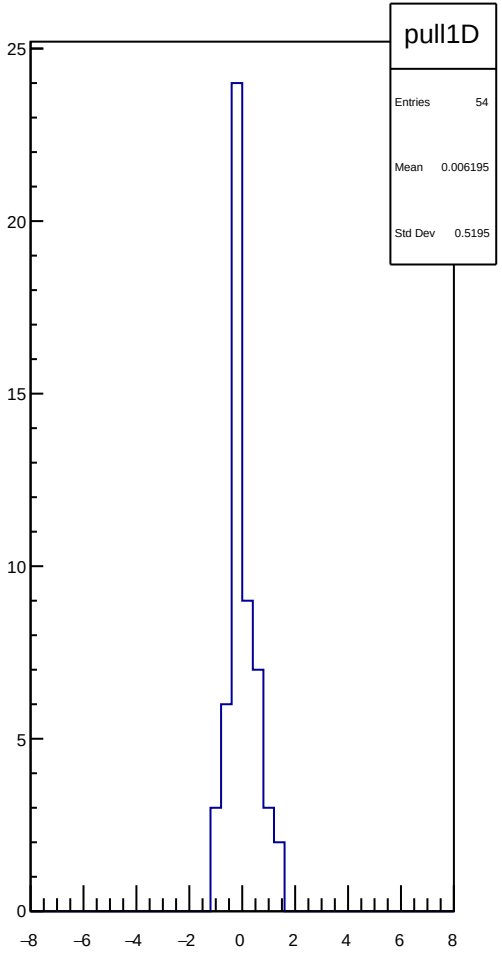

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.164e+04 / 53
p0 152.8 ± 0.1535
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

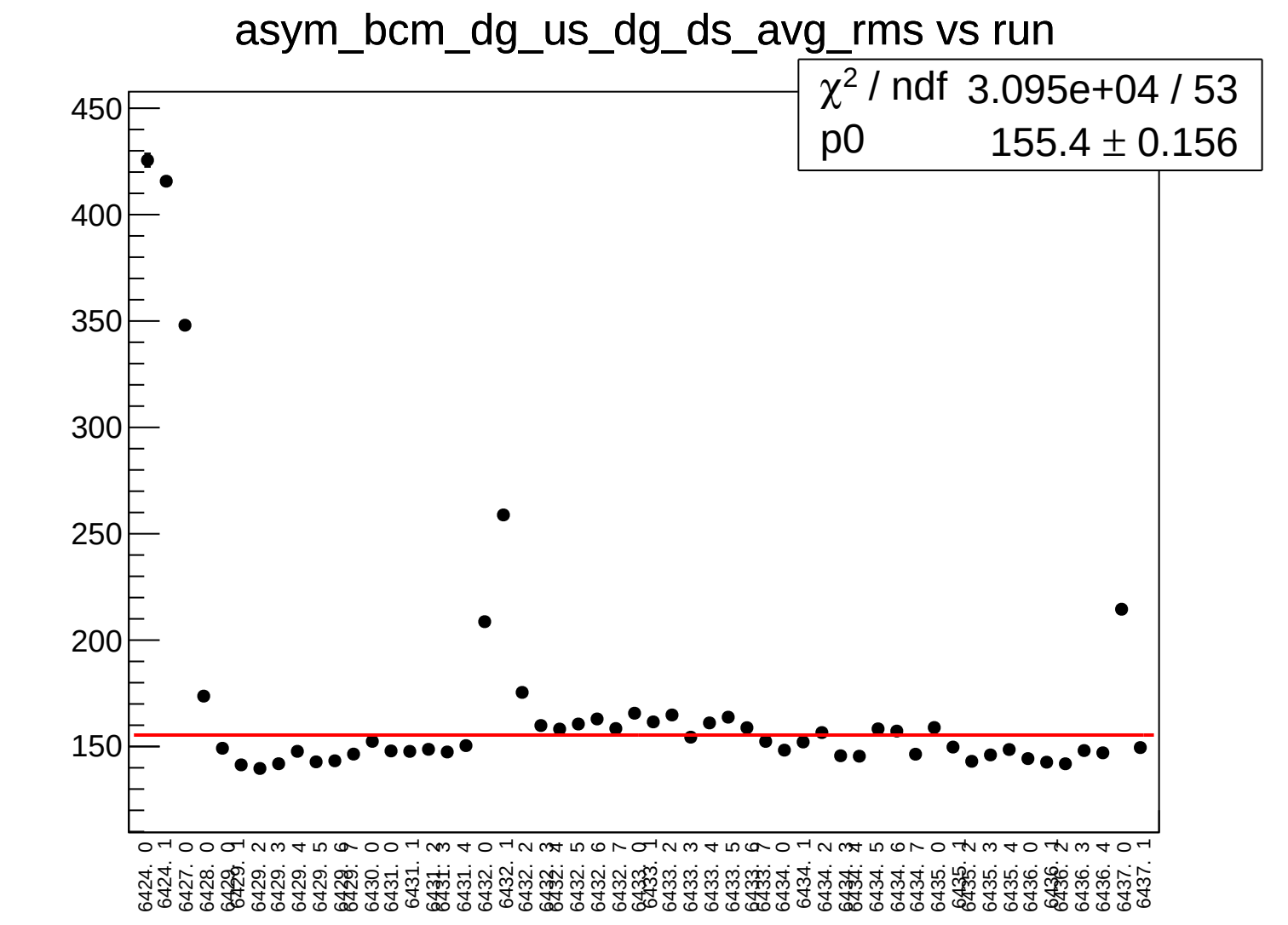

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 73.44 / 53
p0 −27.46 ± 14.48
pull
Entries 54
Mean 120.3
Std Dev 0

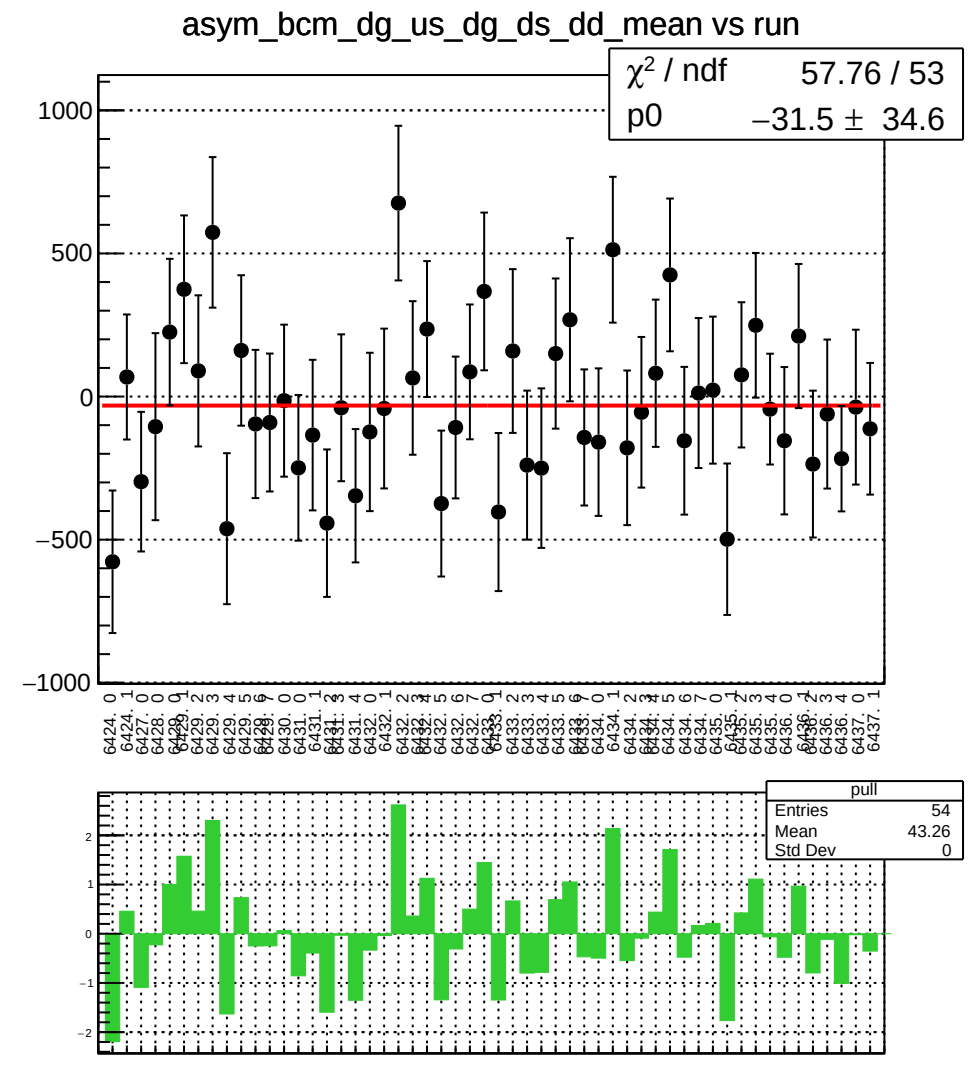

pull1D
Entries 54
Mean −0.01416
Std Dev 1.166

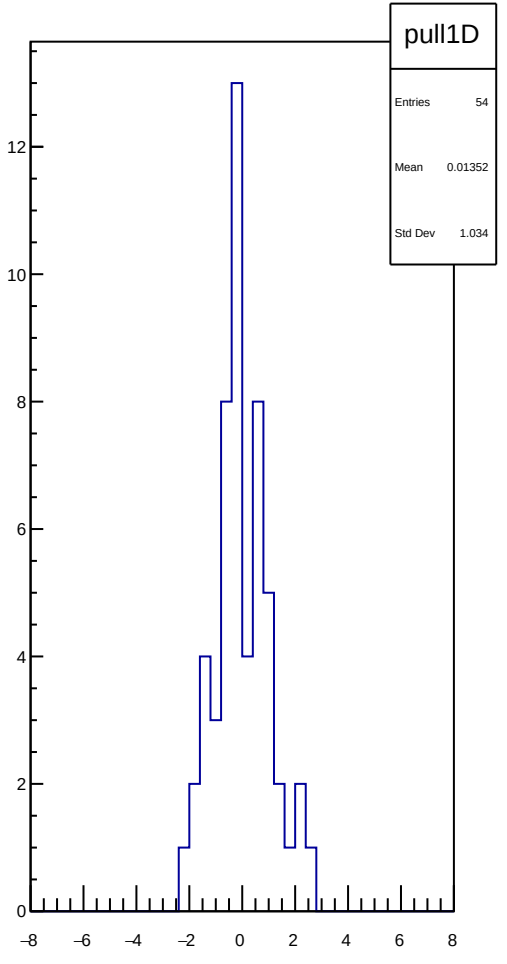

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.099e+04 / 53
p0 10.3 ± 0.01024
14
13
12
11
10
9
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

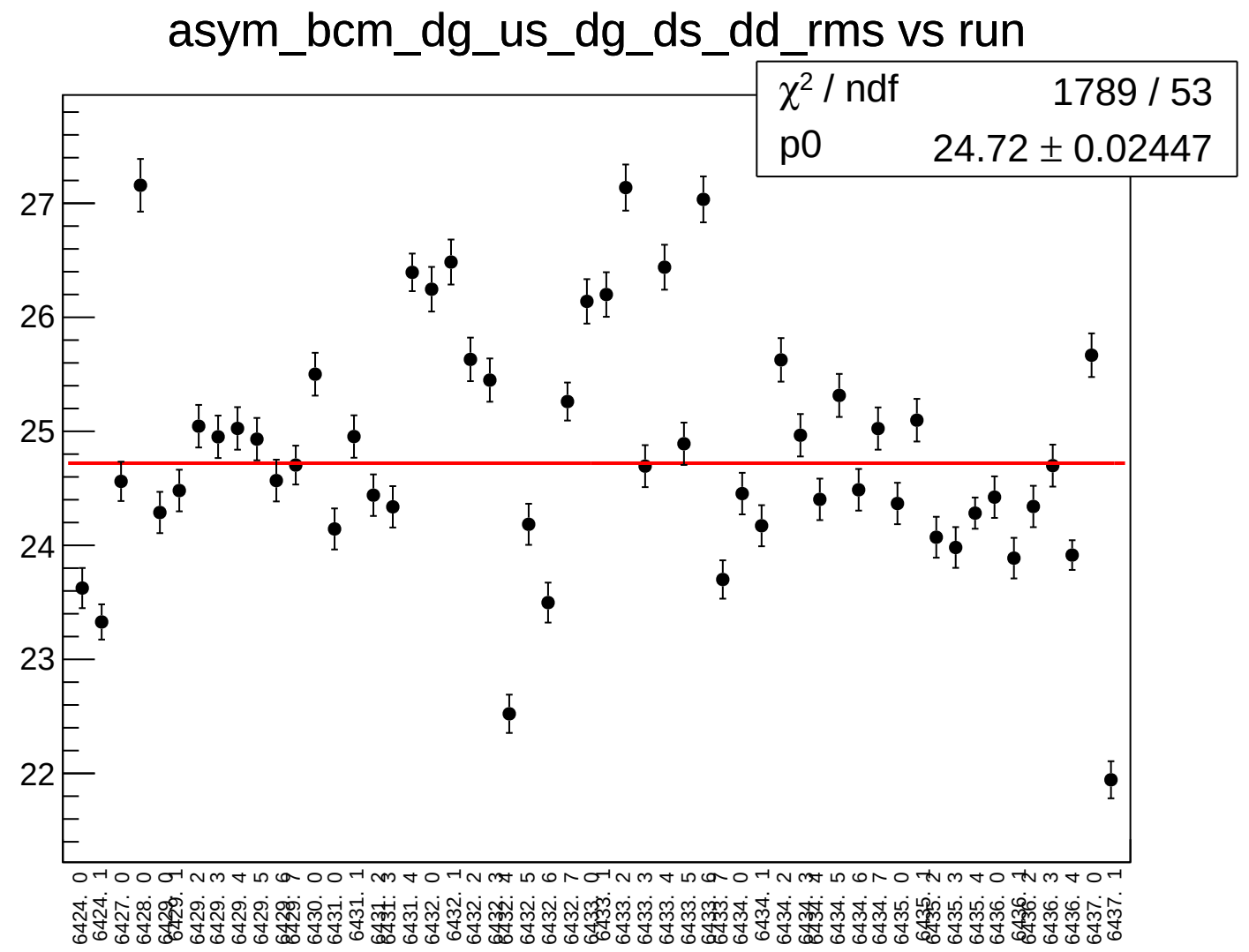

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 14.57 / 53
p0 274.2 ± 220.7
pull
Entries 54
Mean −173
Std Dev 0

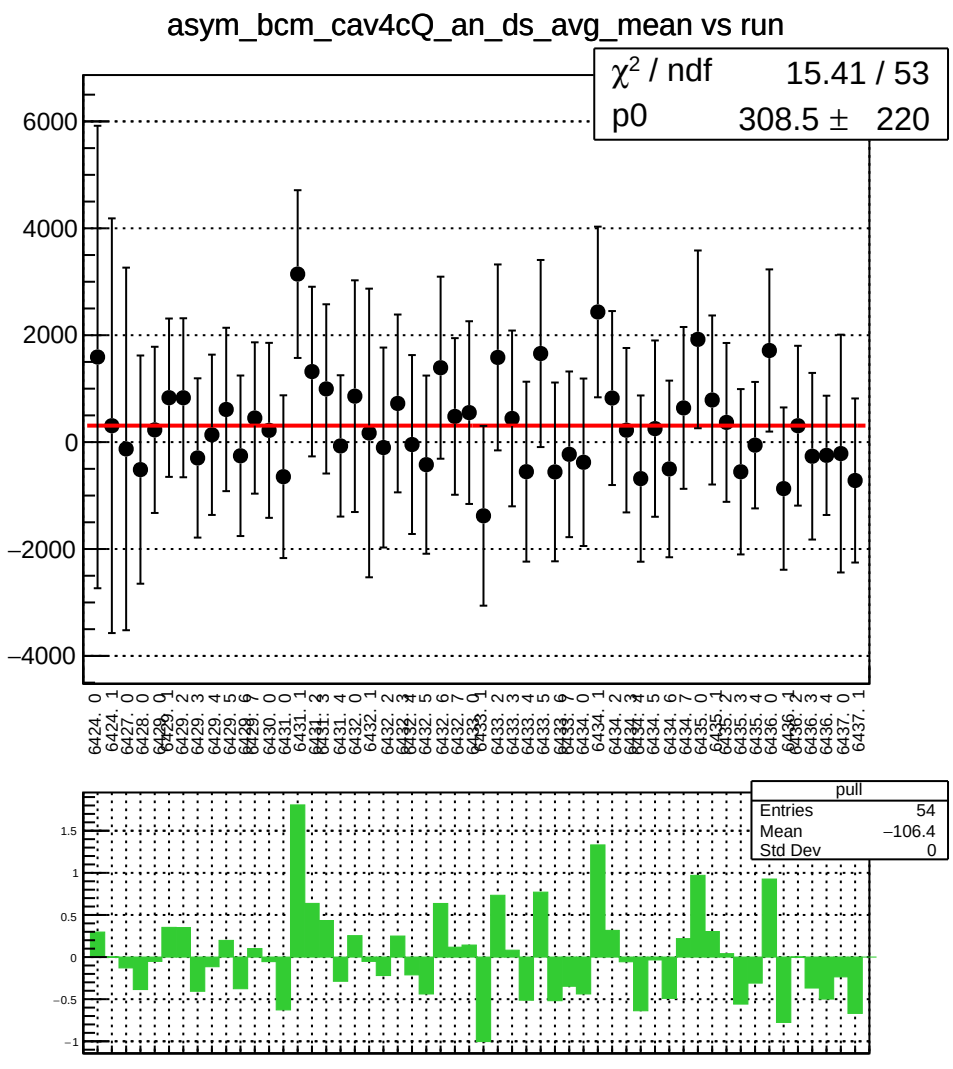

pull1D
Entries 54
Mean 0.006195
Std Dev 0.5195

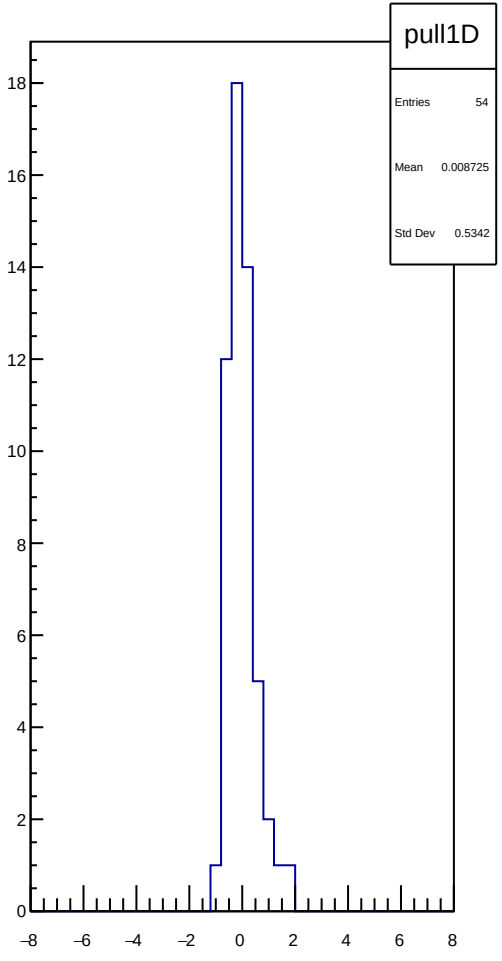

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 3.095e+04 / 53
p0 155.4 ± 0.156
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

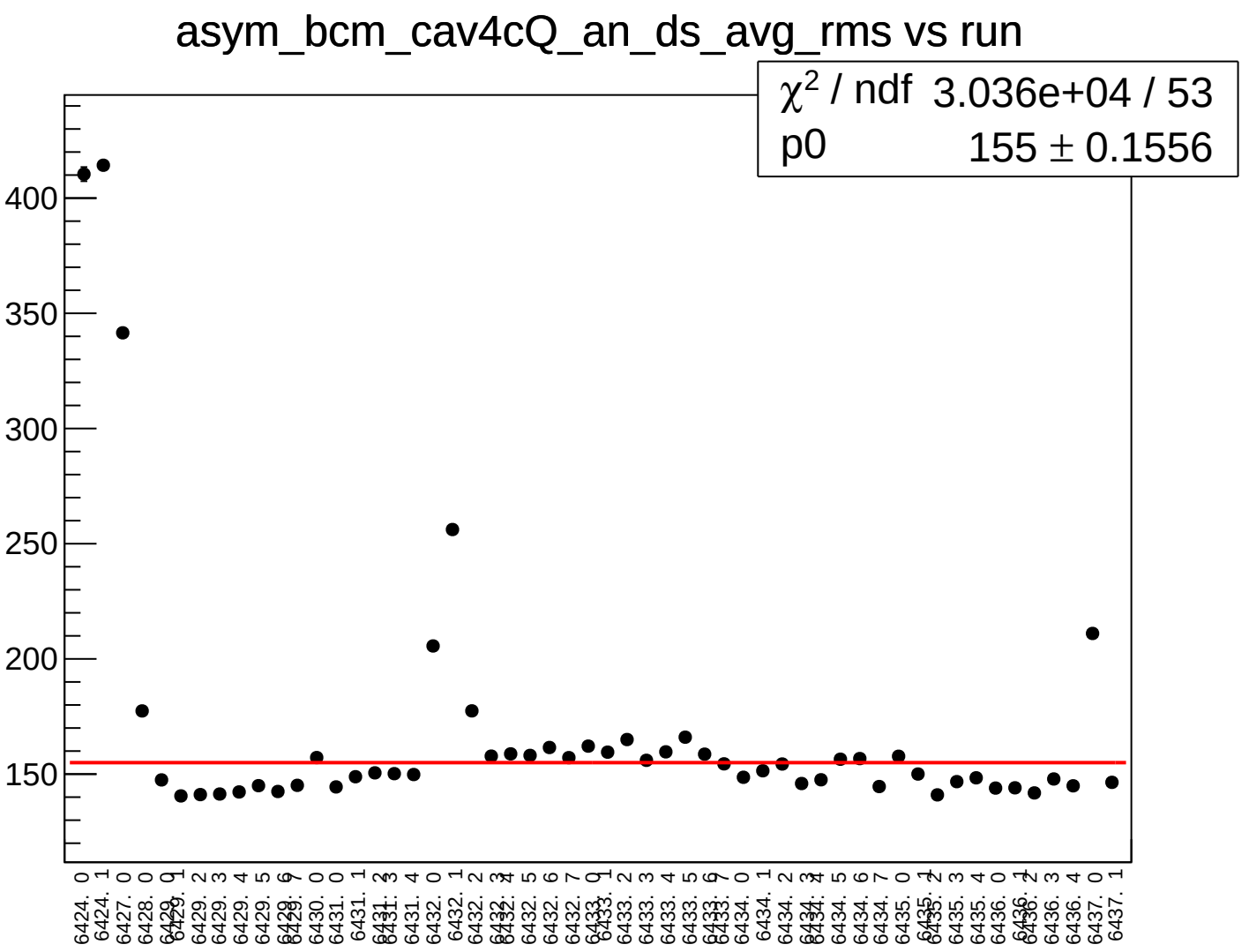

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 57.76 / 53
p0 −31.5 ± 34.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 43.26
Std Dev 0
2
1
0
−1
−2

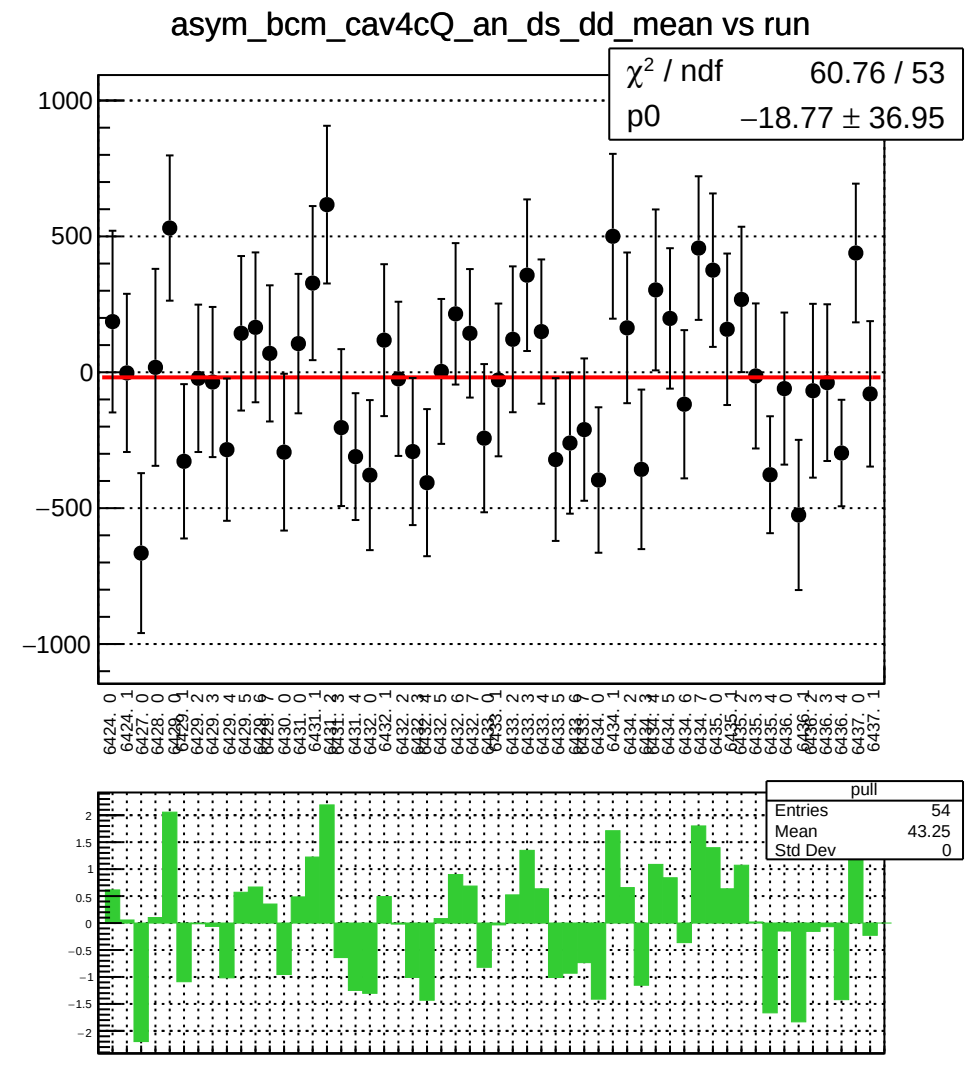

pull1D
Entries 54
Mean 0.01352
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

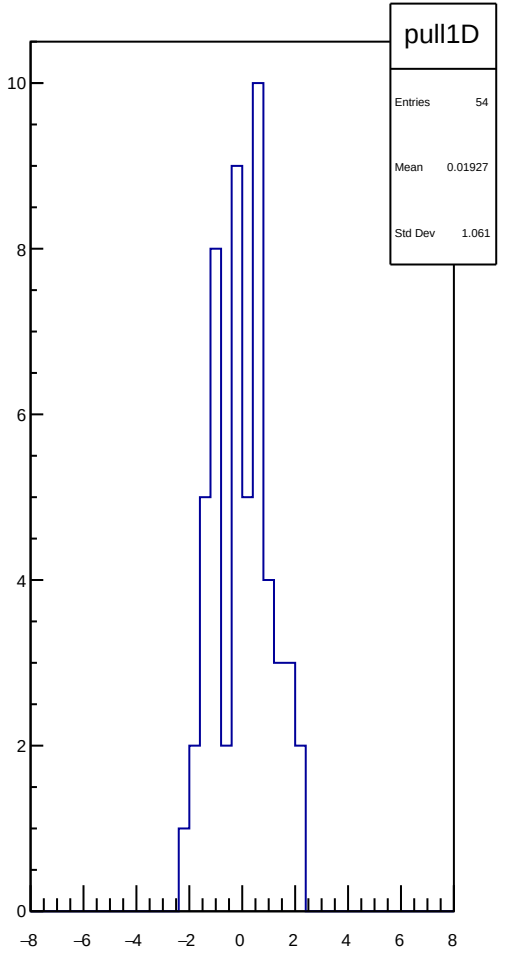

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1789 / 53
p0 24.72 ± 0.02447
27
26
25
24
23
22
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

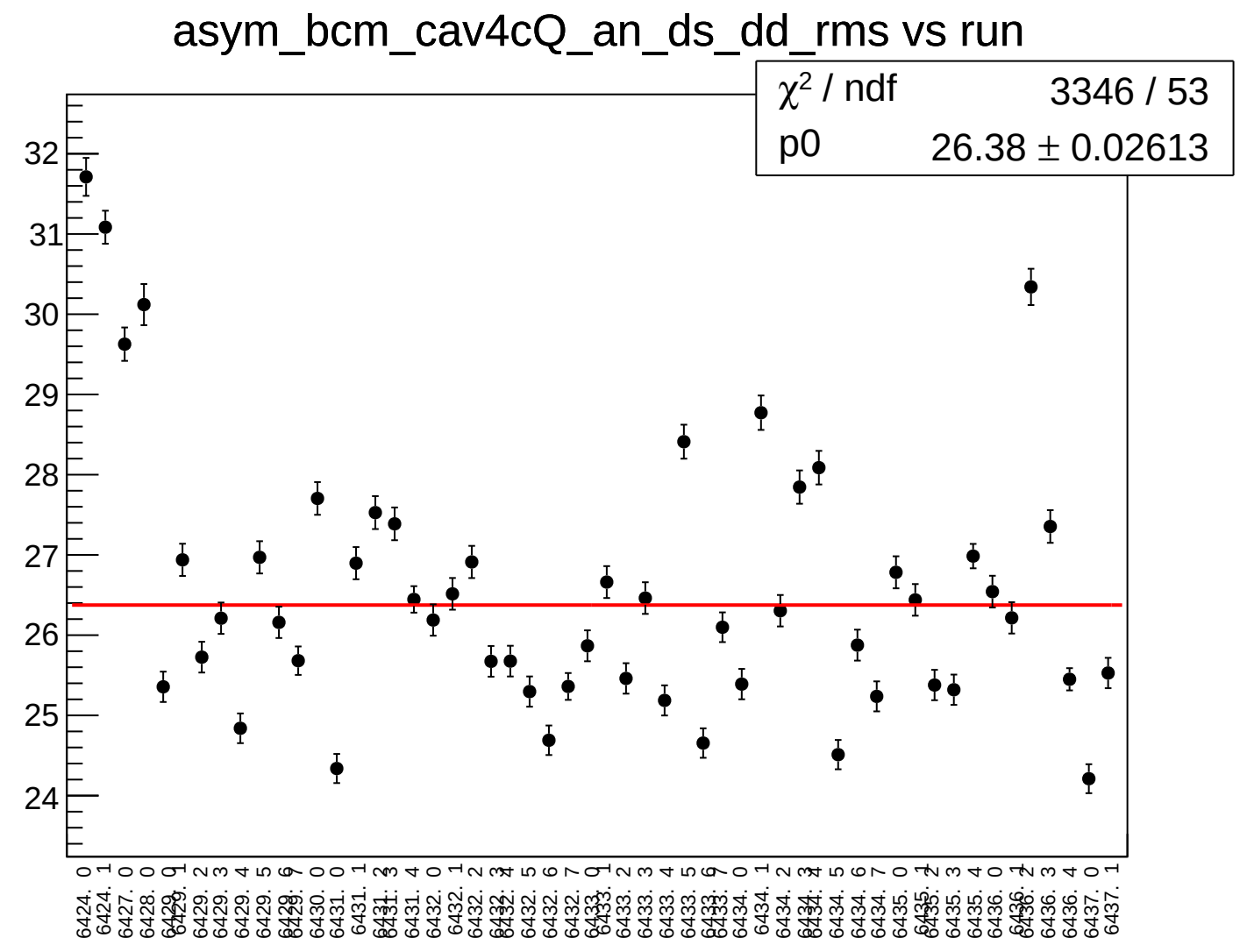

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 15.41 / 53
p0 308.5 ± 220
pull
Entries 54
Mean −106.4
Std Dev 0


pull1D
Entries 54
Mean 0.008725
Std Dev 0.5342


asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3.036e+04 / 53
p0 155 ± 0.1556
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 60.76 / 53
p0 −18.77 ± 36.95
pull
Entries 54
Mean 43.25
Std Dev 0


pull1D
Entries 54
Mean 0.01927
Std Dev 1.061


asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 3346 / 53
p0 26.38 ± 0.02613
32
31
30
29
28
27
26
25
24
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 4
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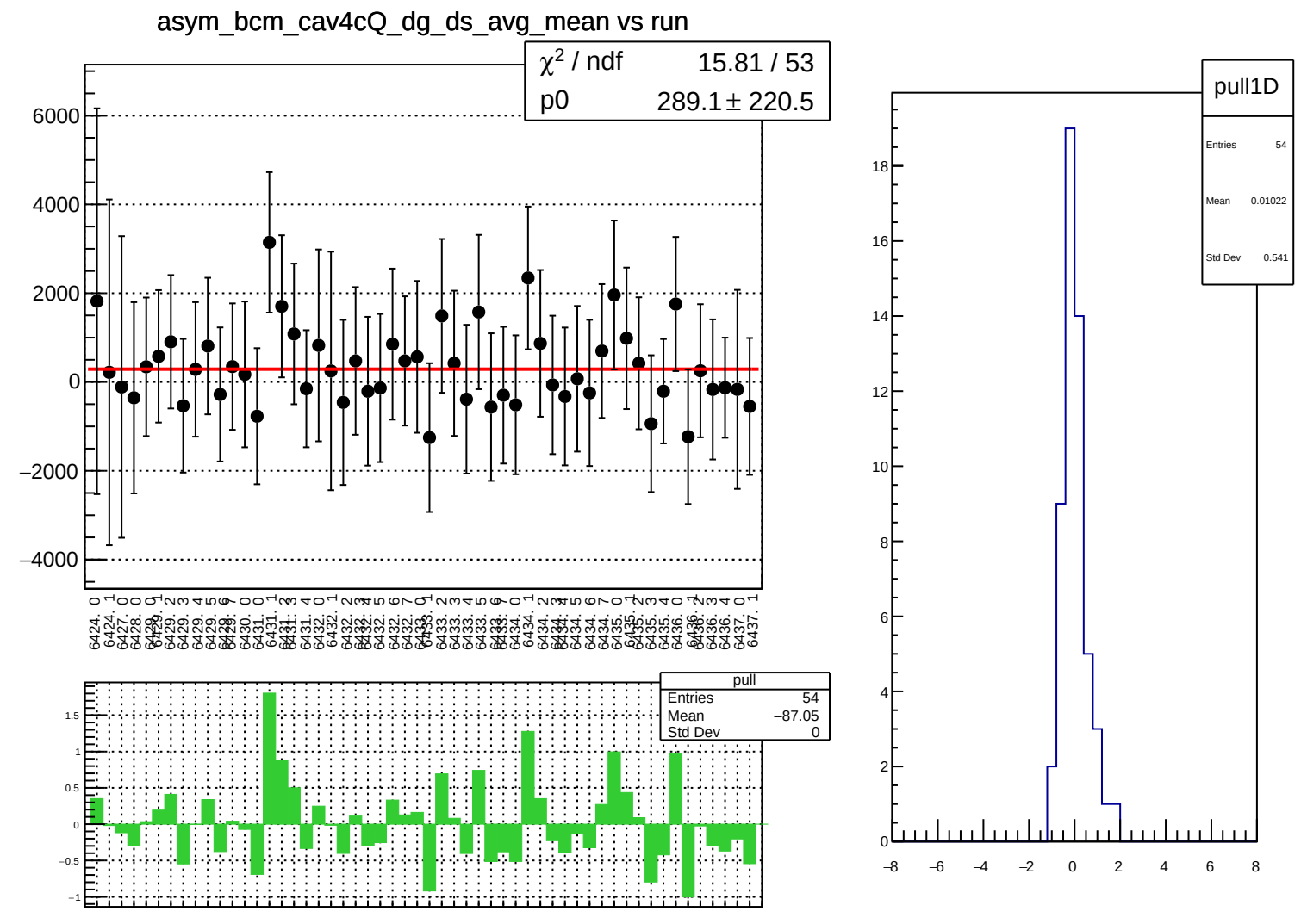
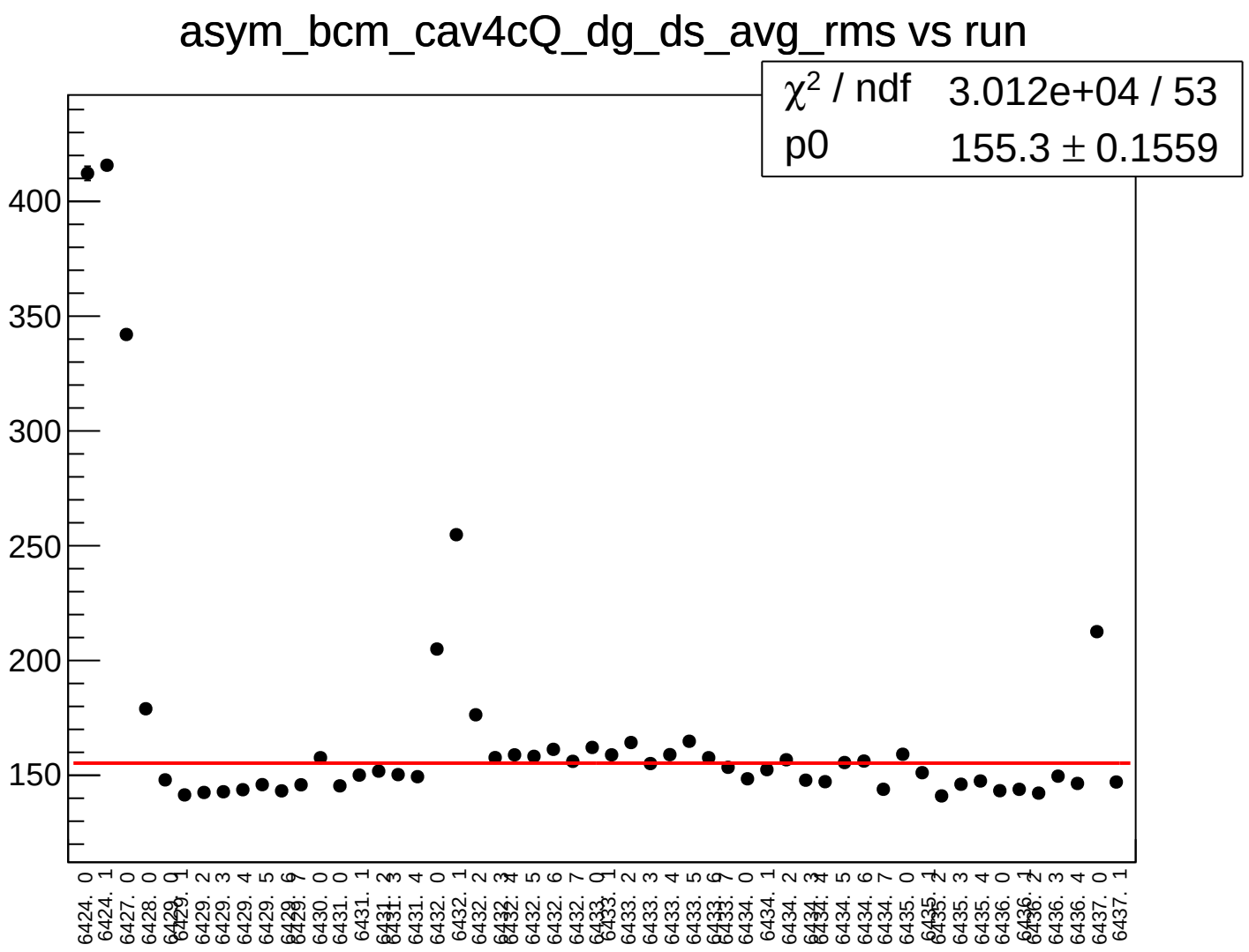
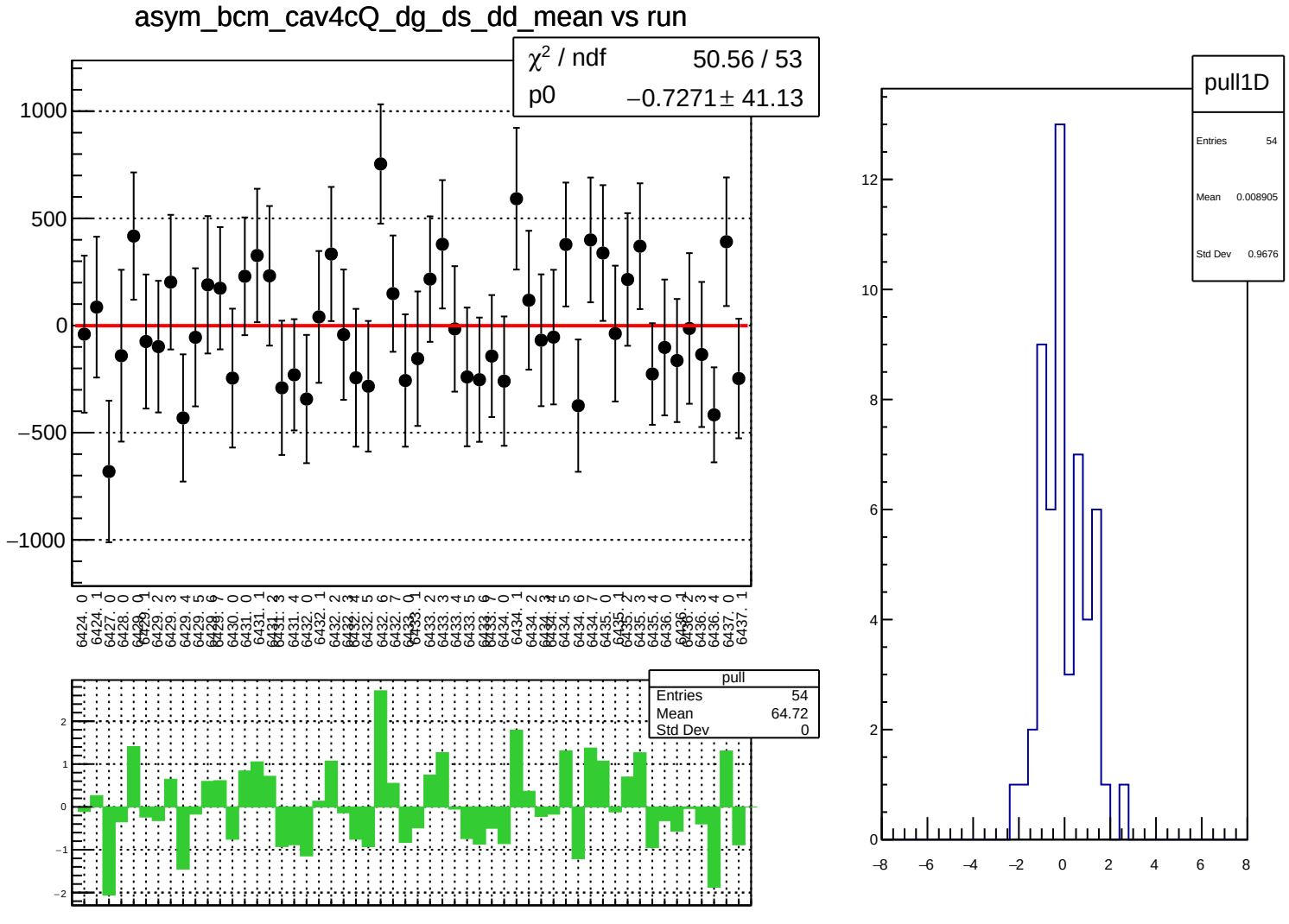
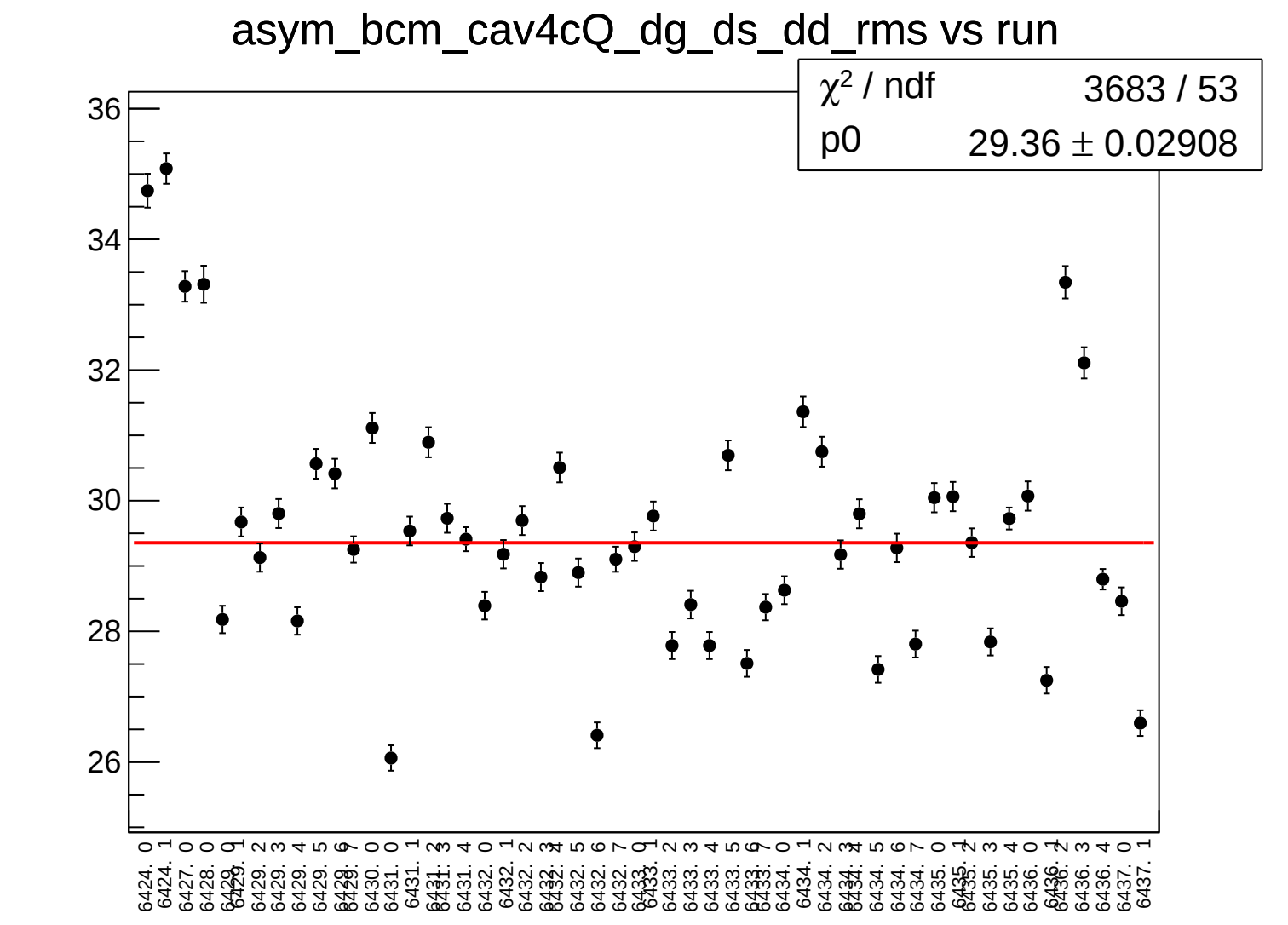
6436. 4
6437. 0
6437. 1


asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 15.81 / 53
p0 289.1 ± 220.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −87.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.01022
Std Dev 0.541
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3.012e+04 / 53
p0 155.3 ± 0.1559
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 50.56 / 53
p0 −0.7271 ± 41.13
1000
500
0
−500
−1000
pull
Entries 54
Mean 64.72
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.008905
Std Dev 0.9676
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 3683 / 53
p0 29.36 ± 0.02908
36
34
32
30
28
26
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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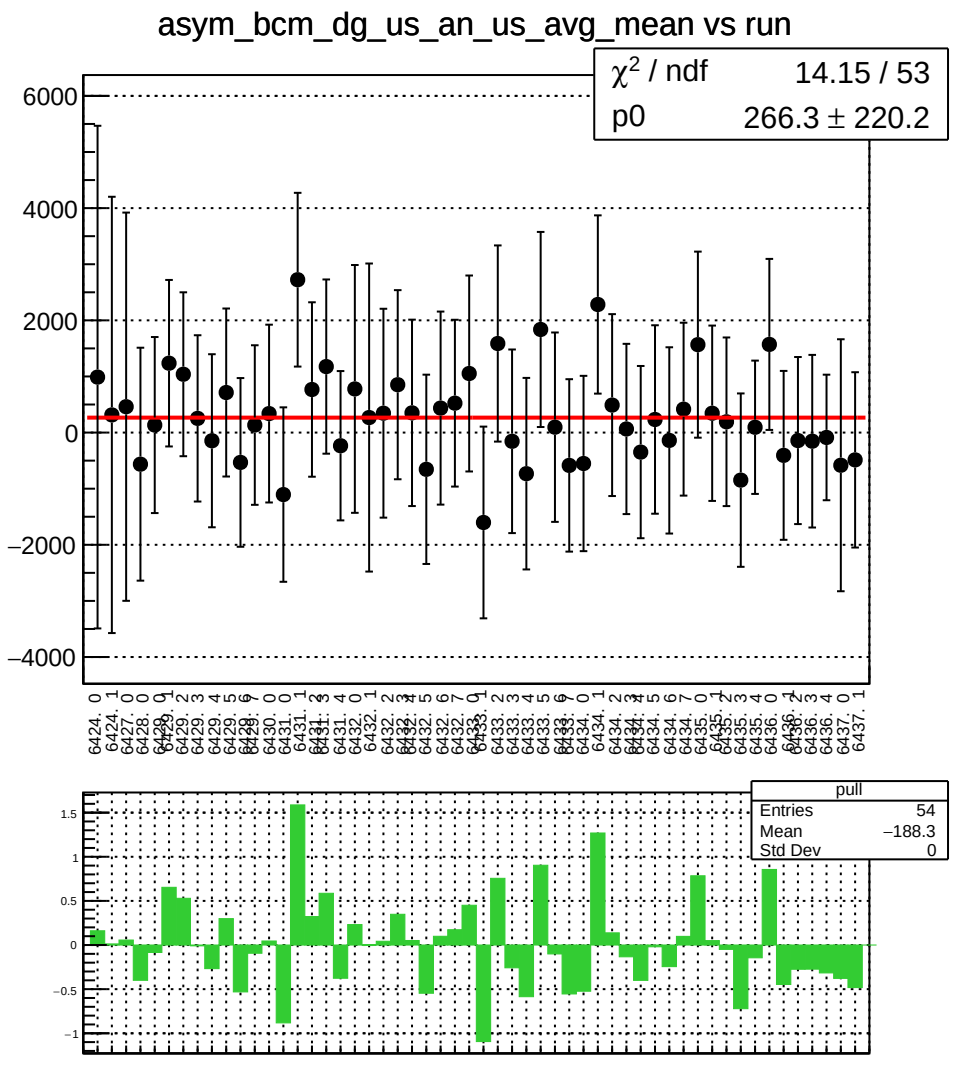
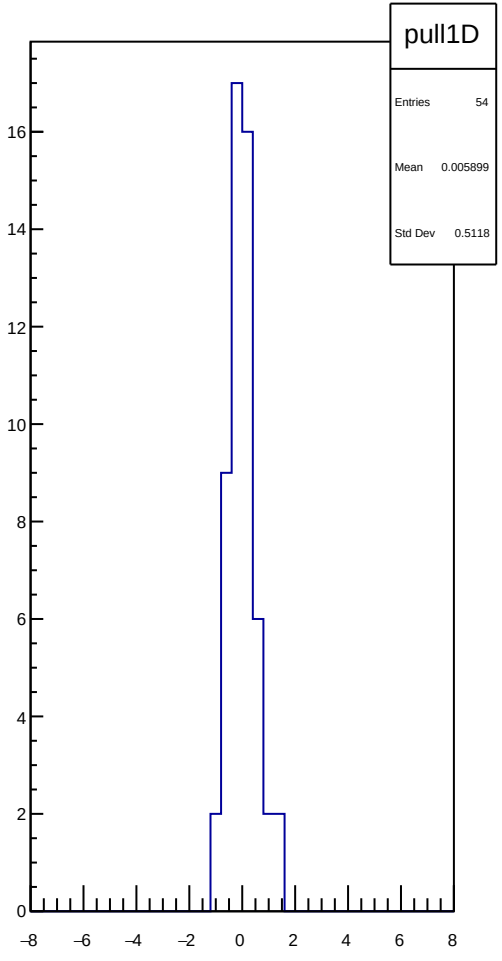
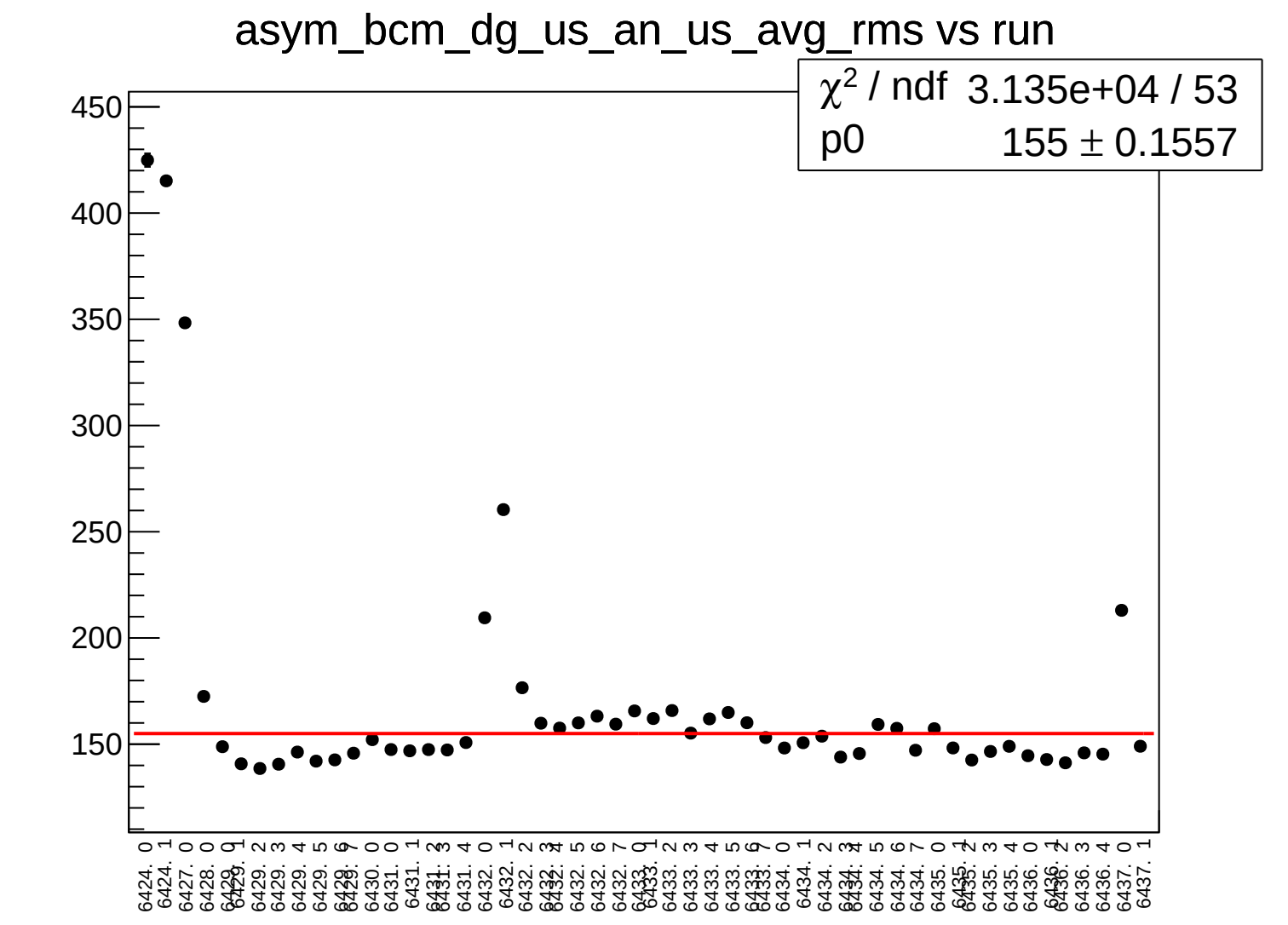
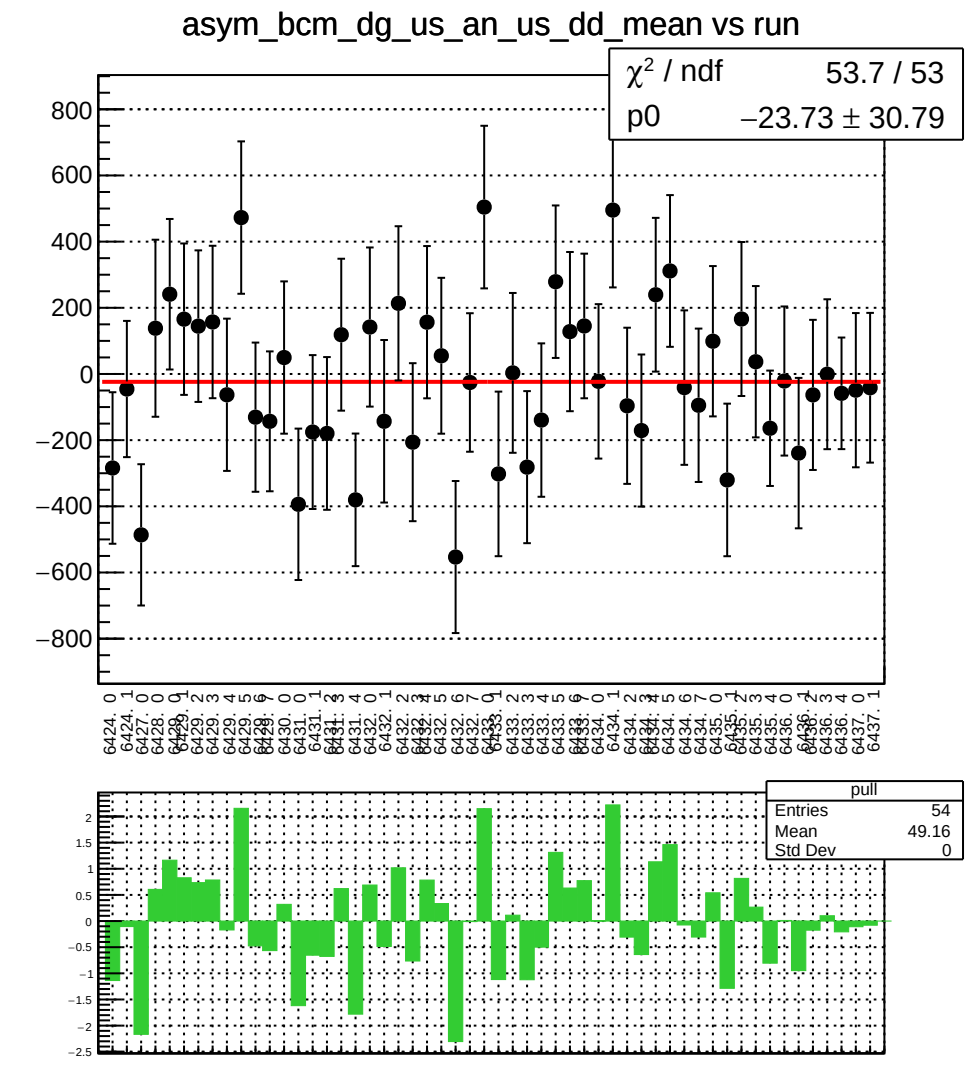
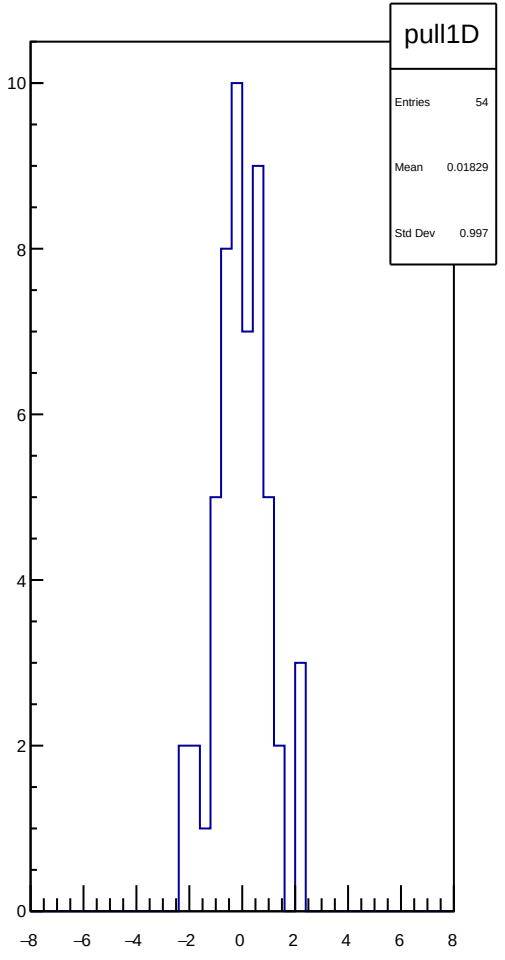
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

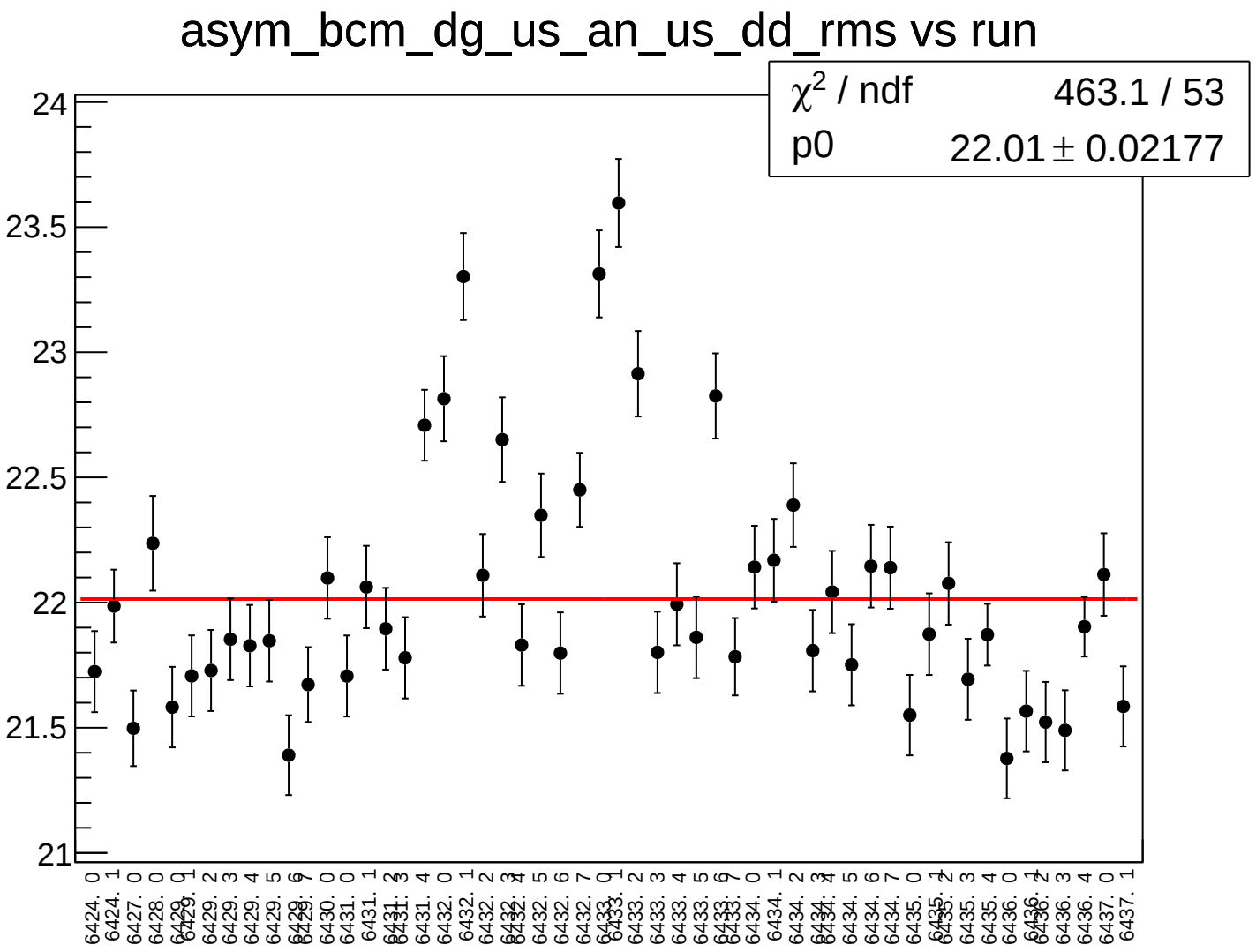

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 14.15 / 53
p0 266.3 ± 220.2
pull
Entries 54
Mean −188.3
Std Dev 0

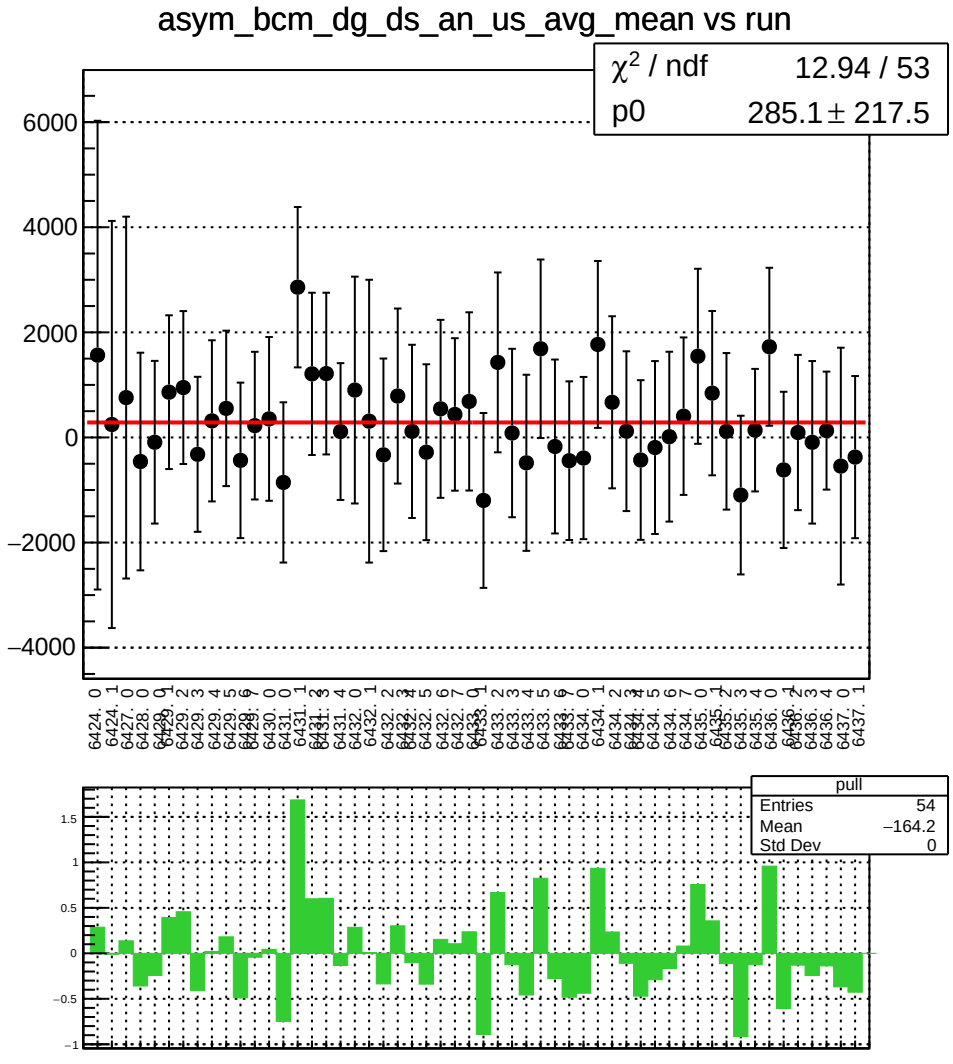

pull1D
Entries 54
Mean 0.005899
Std Dev 0.5118

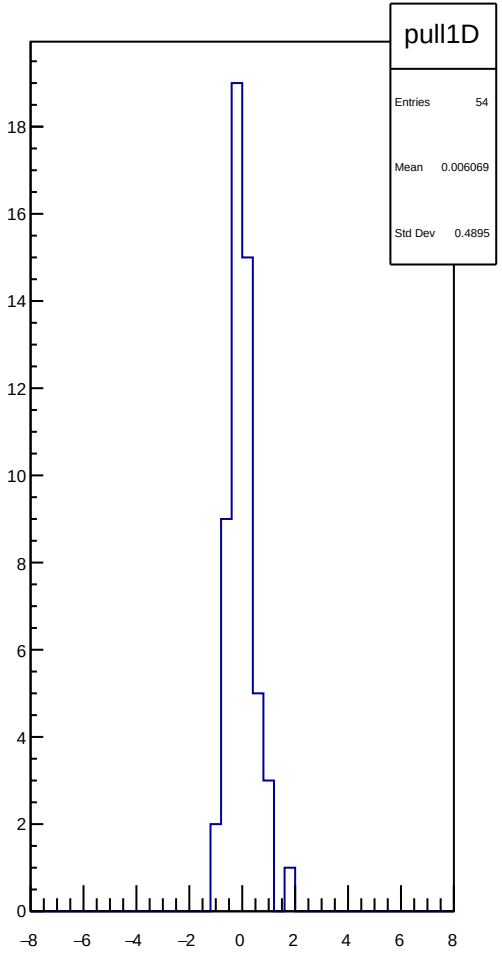

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.135e+04 / 53
p0 155 ± 0.1557
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

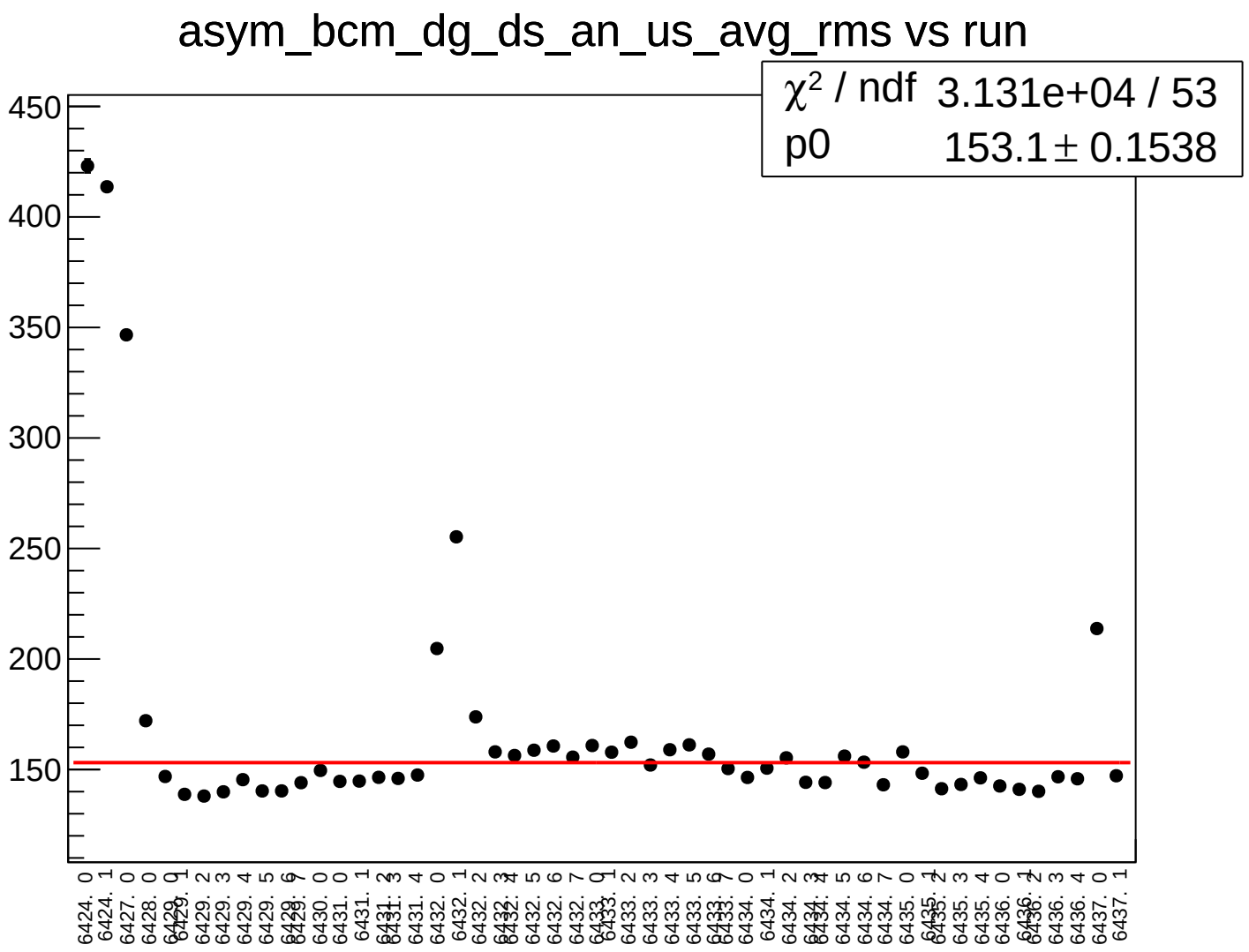

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 53.7 / 53
p0 −23.73 ± 30.79
pull
Entries 54
Mean 49.16
Std Dev 0

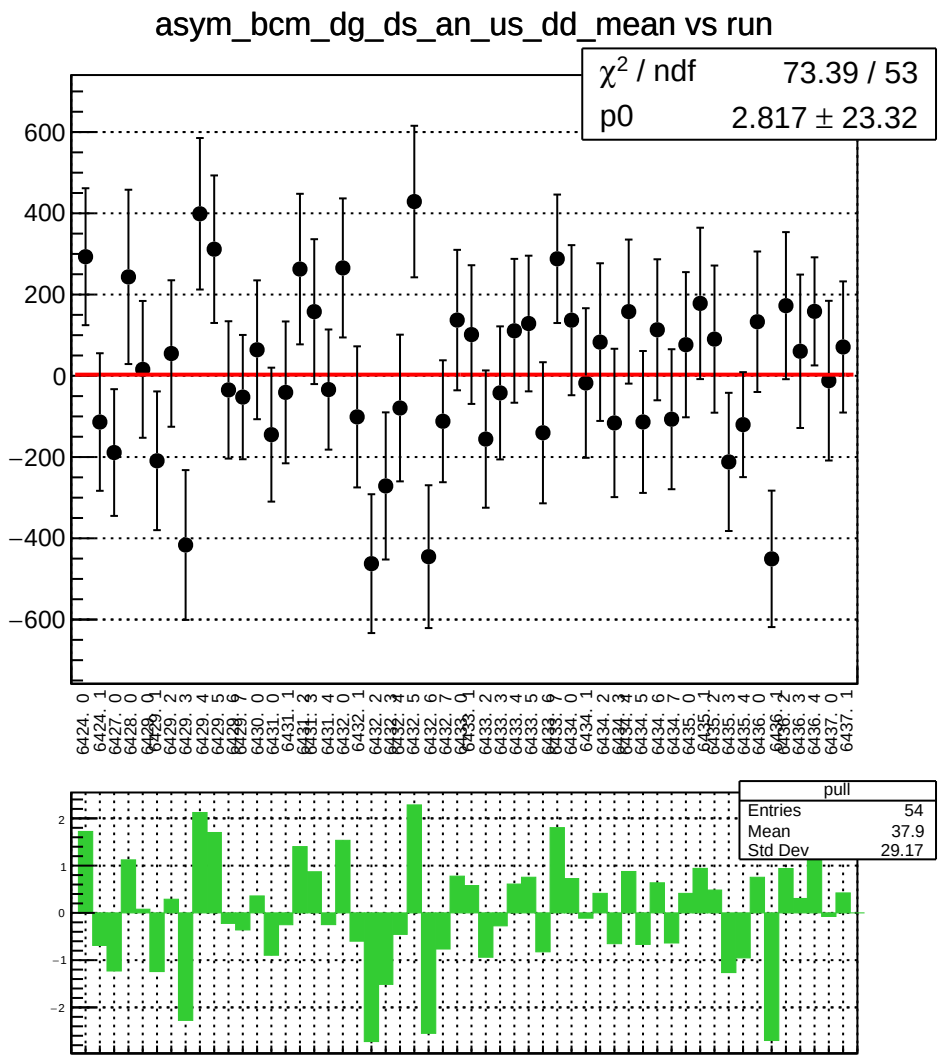

pull1D
Entries 54
Mean 0.01829
Std Dev 0.997

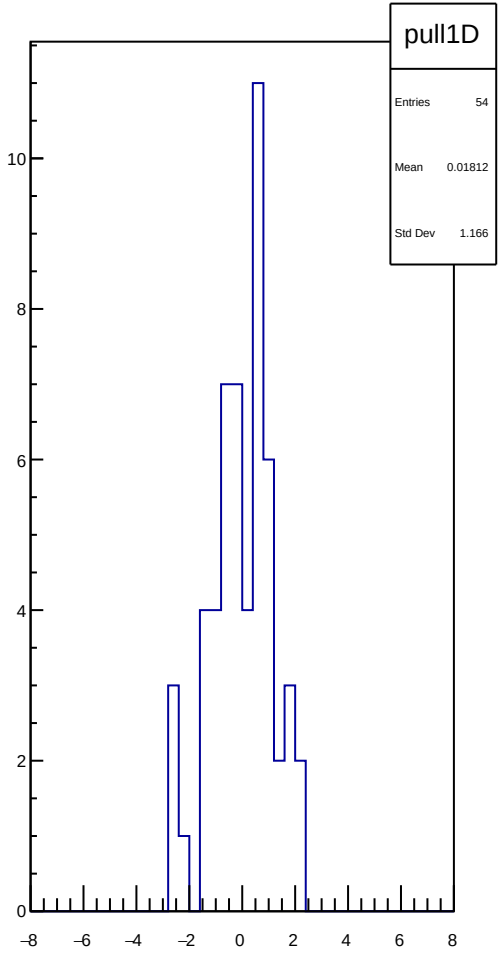

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 463.1 / 53
p0 22.01 ± 0.02177
24
23.5
23
22.5
22
21.5
21
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

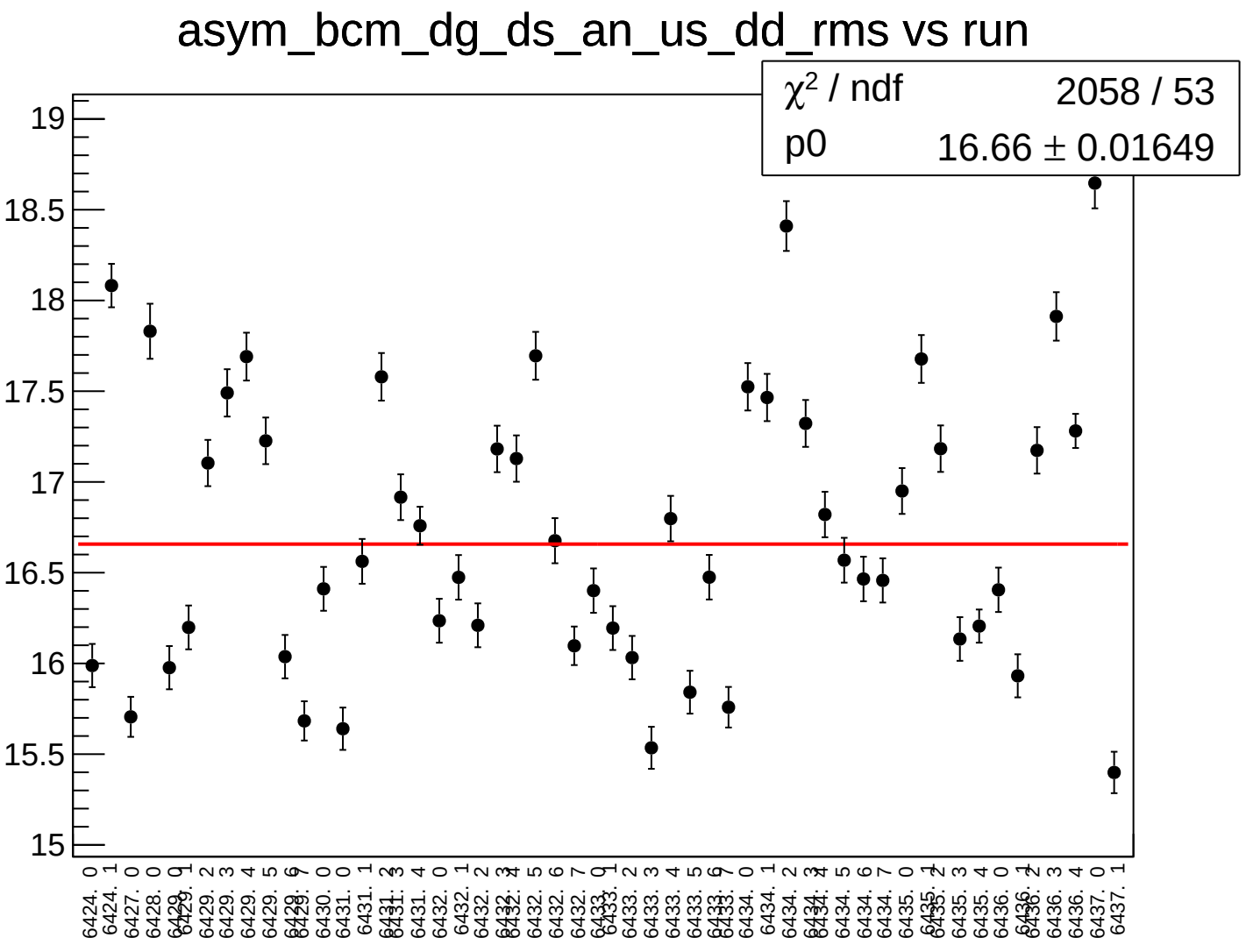

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 12.94 / 53
p0 285.1 ± 217.5
pull
Entries 54
Mean −164.2
Std Dev 0

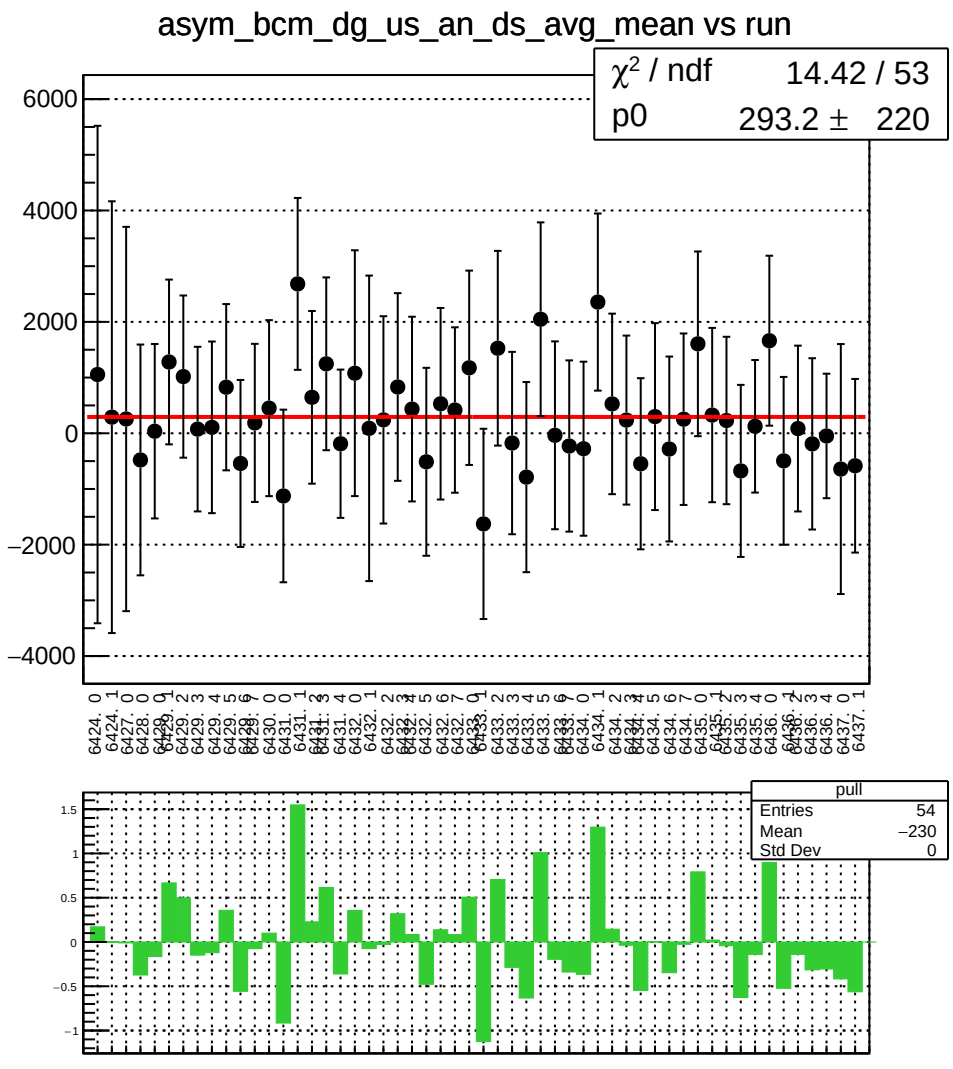

pull1D
Entries 54
Mean 0.006069
Std Dev 0.4895

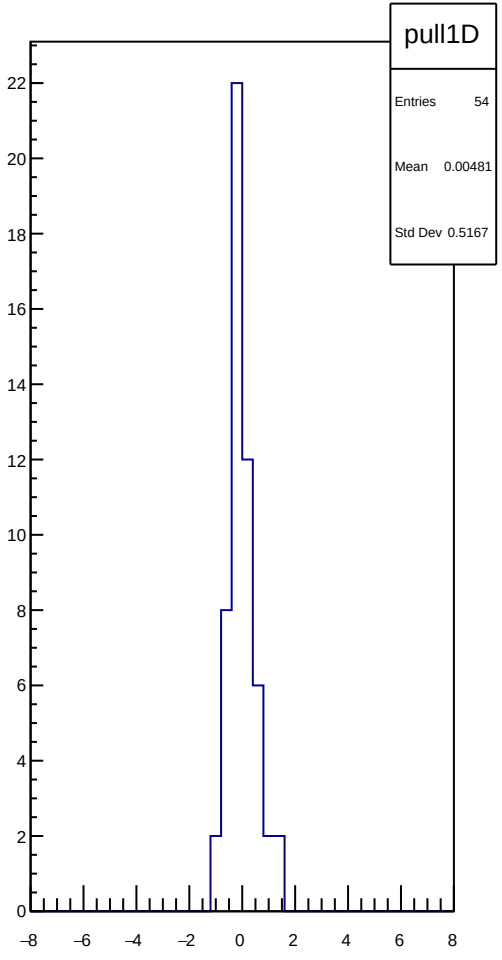

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.131e+04 / 53
p0 153.1 ± 0.1538
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

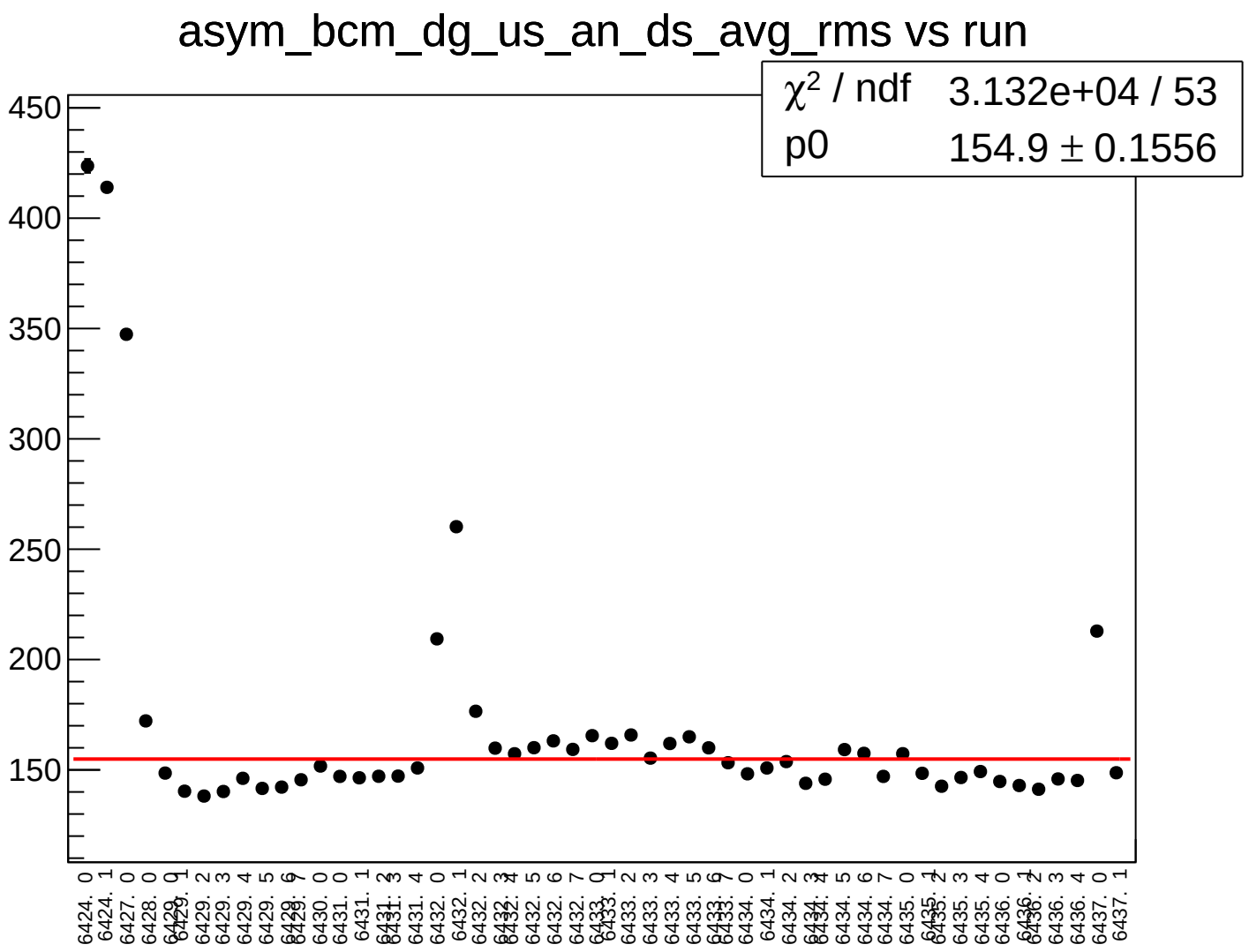

asym_bcm_dg_ds_an_us_dd_mean vs run
χ^2 / ndf 73.39 / 53
p0 2.817 ± 23.32
600
400
200
0
−200
−400
−600
pull
Entries 54
Mean 37.9
Std Dev 29.17
2
1
0
−1
−2

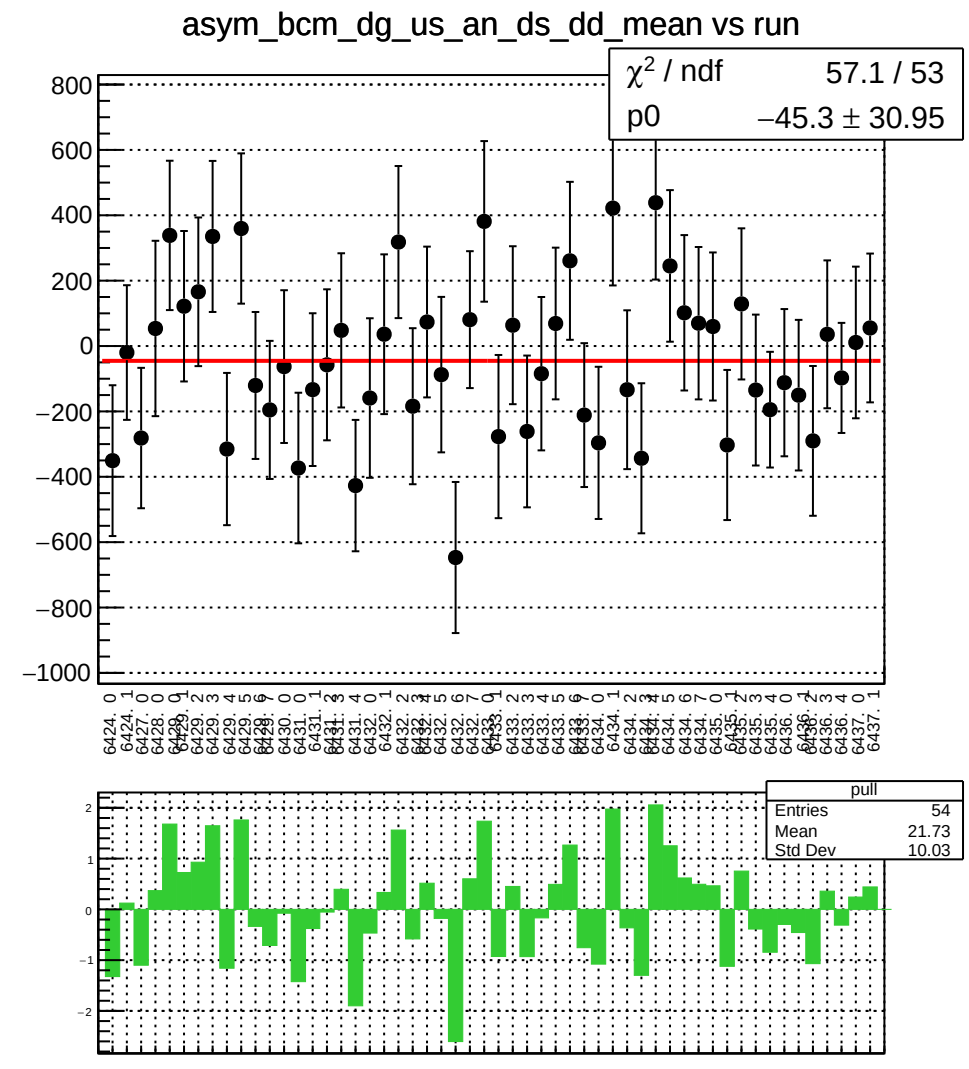

pull1D
Entries 54
Mean 0.01812
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

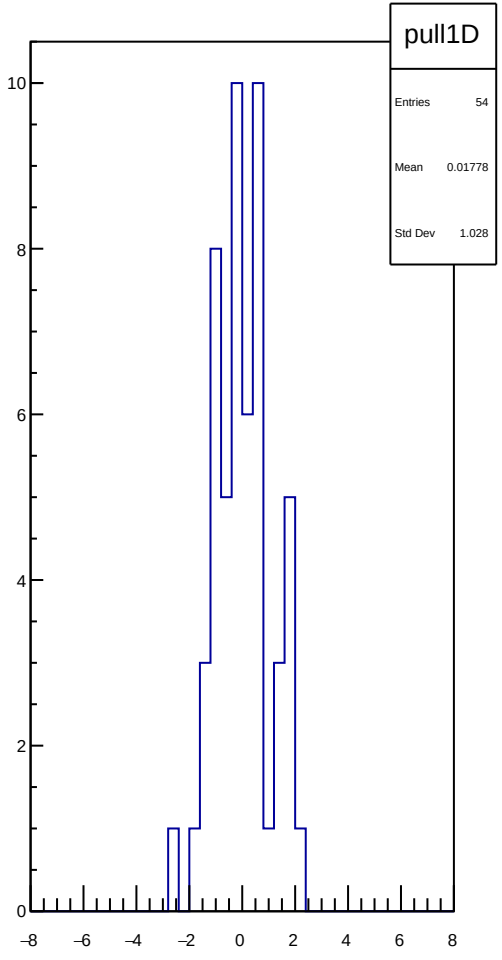

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 2058 / 53
p0 16.66 ± 0.01649
19
18.5
18
17.5
17
16.5
16
15.5
15
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

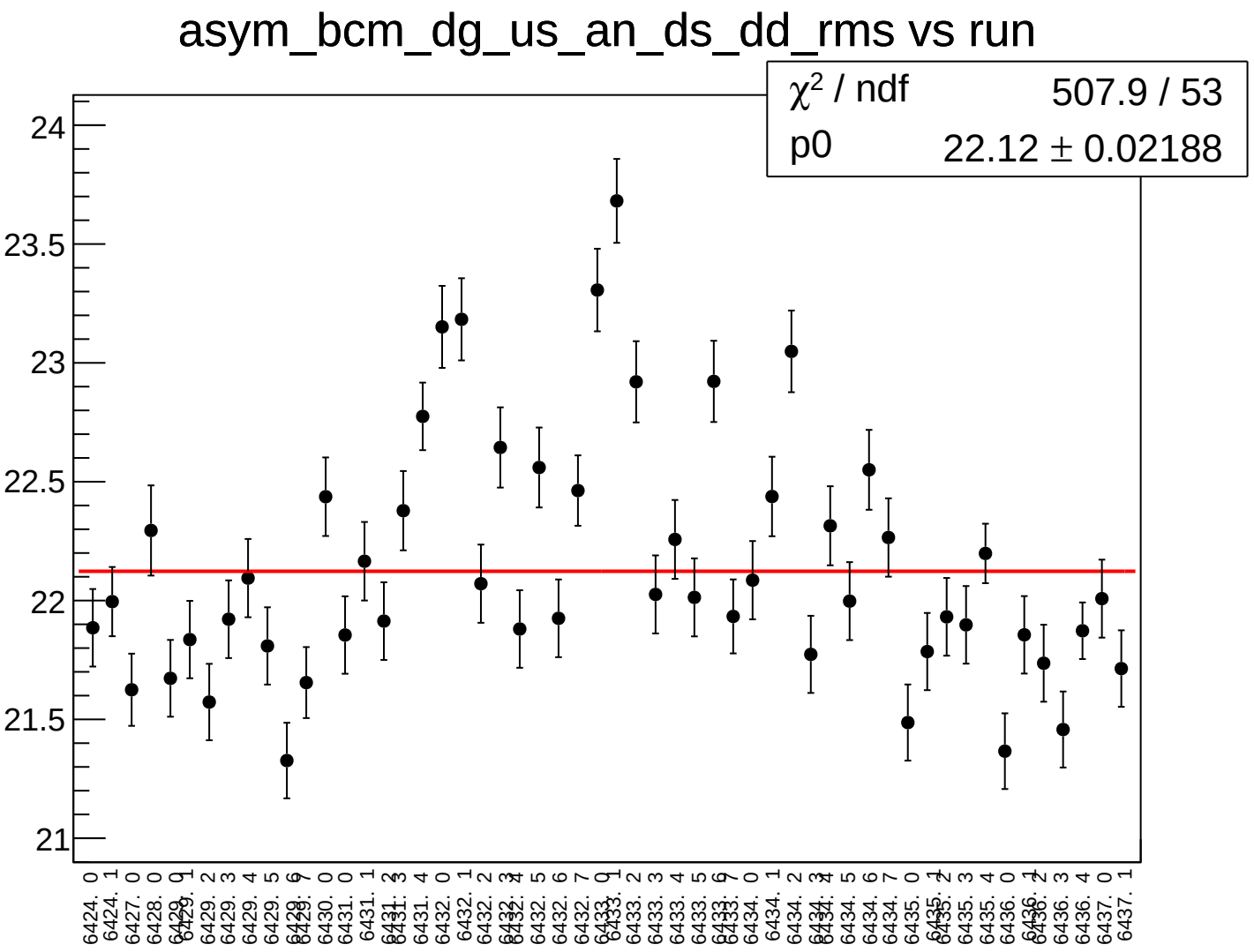

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 14.42 / 53
p0 293.2 ± 220
pull
Entries 54
Mean −230
Std Dev 0

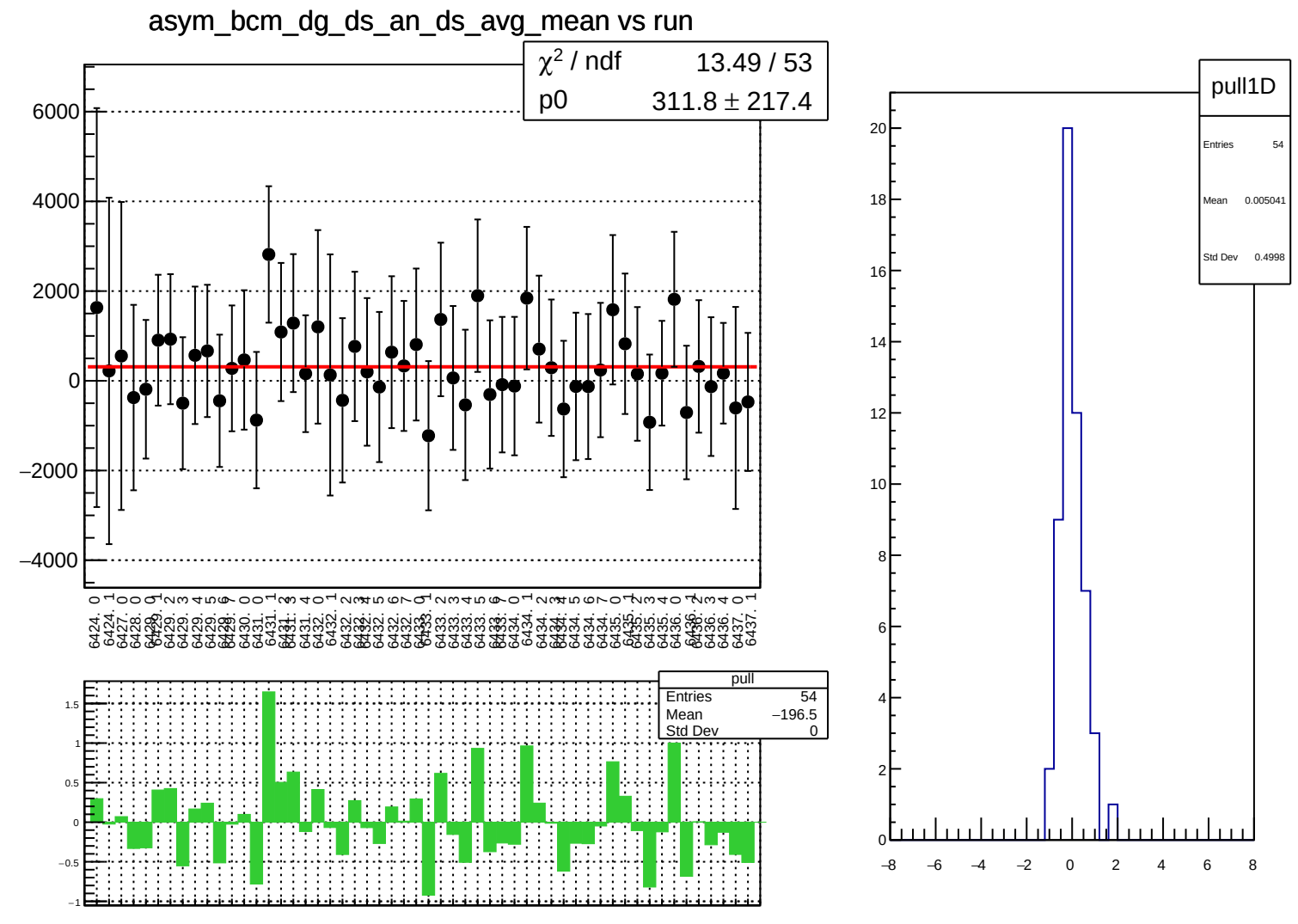

pull1D
Entries 54
Mean 0.00481
Std Dev 0.5167

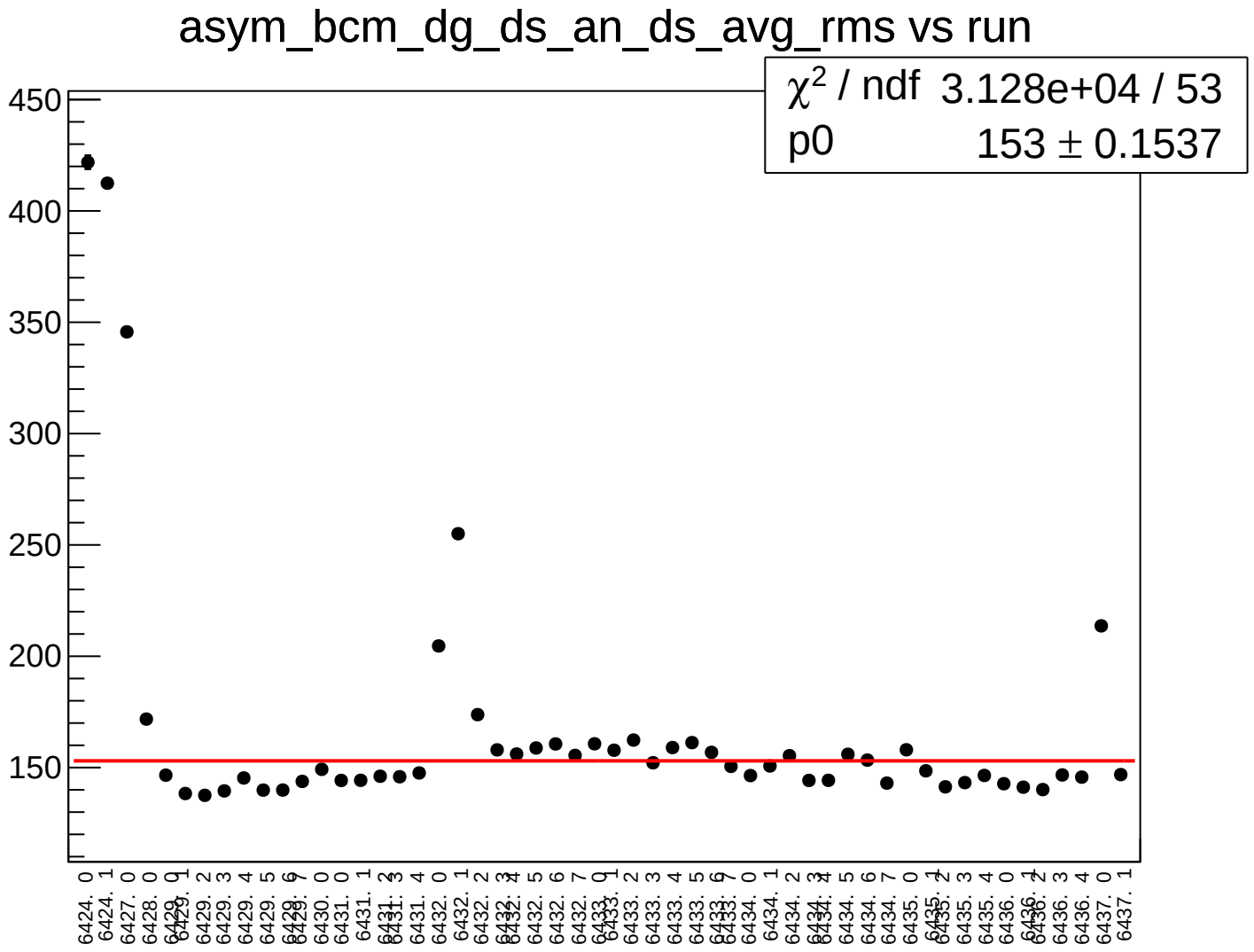

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.132e+04 / 53
p0 154.9 ± 0.1556
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

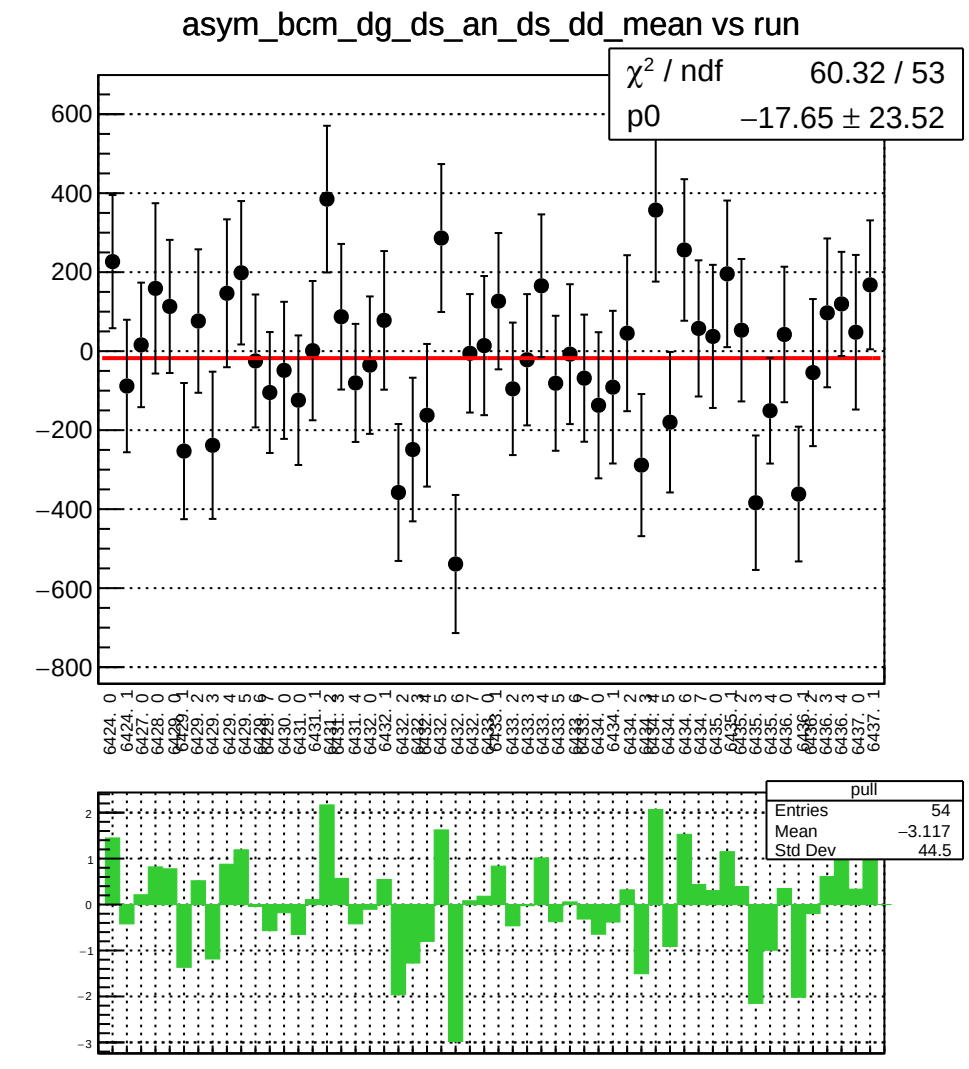

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 57.1 / 53
p0 −45.3 ± 30.95
pull
Entries 54
Mean 21.73
Std Dev 10.03

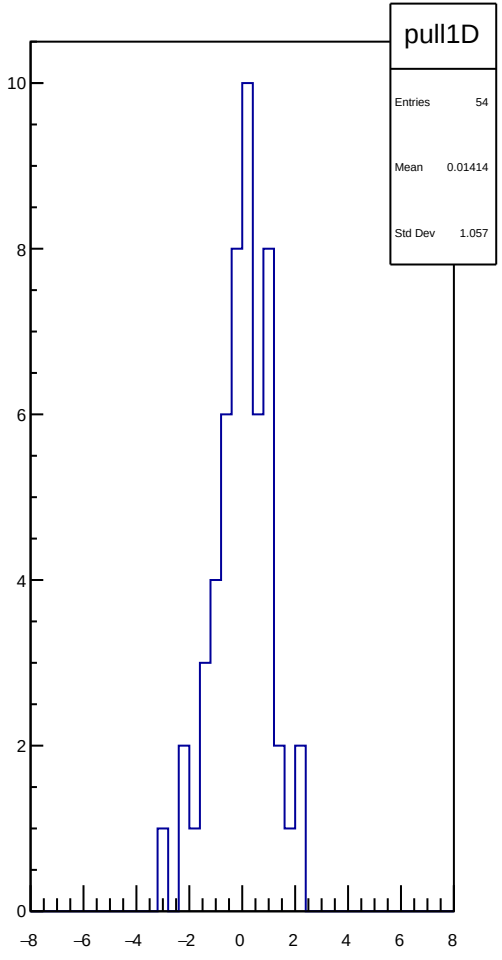

pull1D
Entries 54
Mean 0.01778
Std Dev 1.028

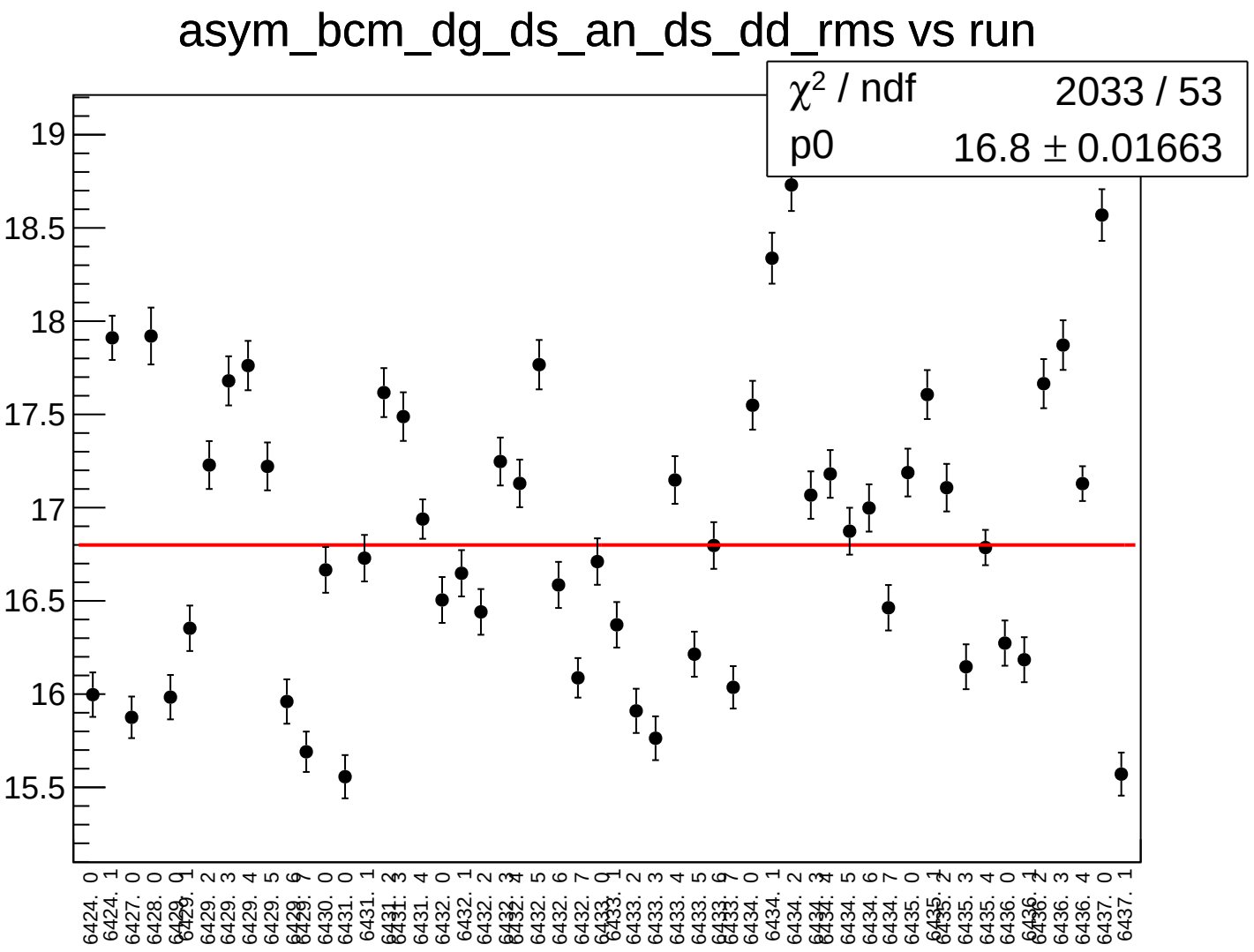

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 507.9 / 53
p0 22.12 ± 0.02188
24
23.5
23
22.5
22
21.5
21
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

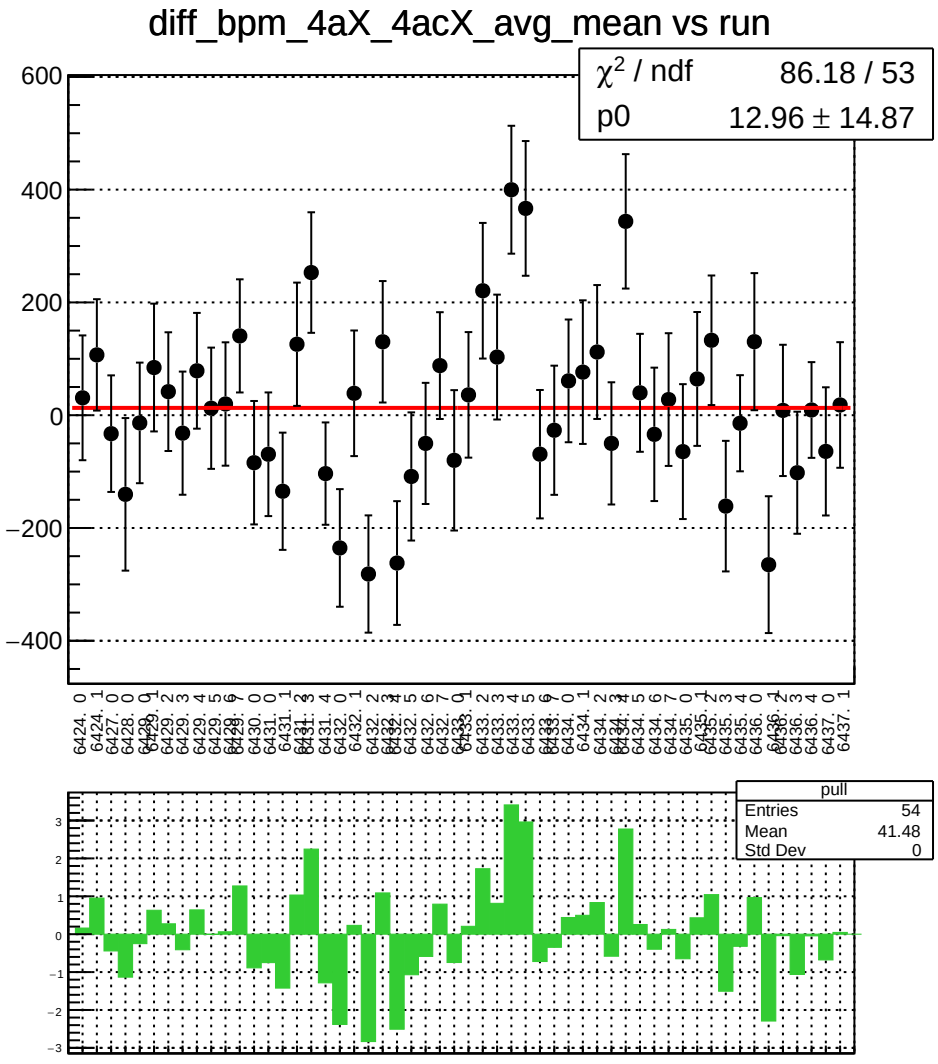

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 13.49 / 53
p0 311.8 ± 217.4
pull
Entries 54
Mean −196.5
Std Dev 0
pull1D
Entries 54
Mean 0.005041
Std Dev 0.4998

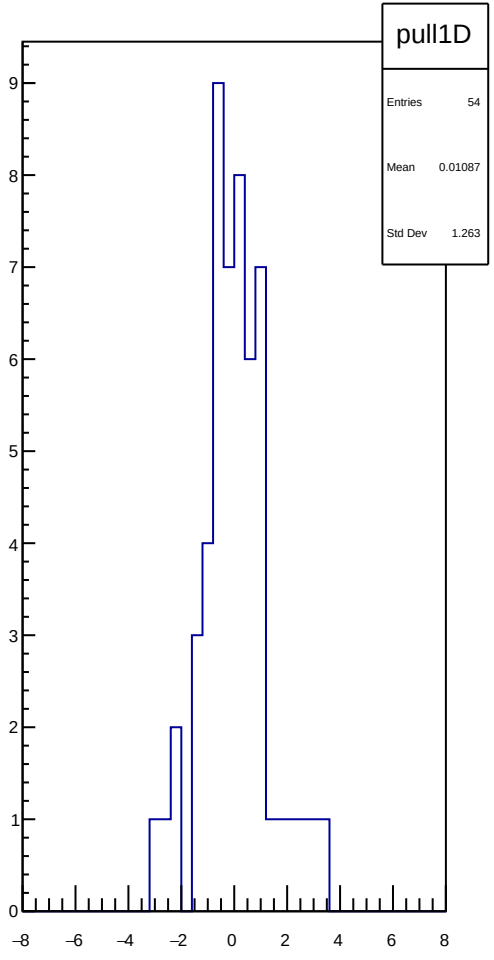

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.128e+04 / 53
p0 153 ± 0.1537
450
400
350
300
250
200
150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

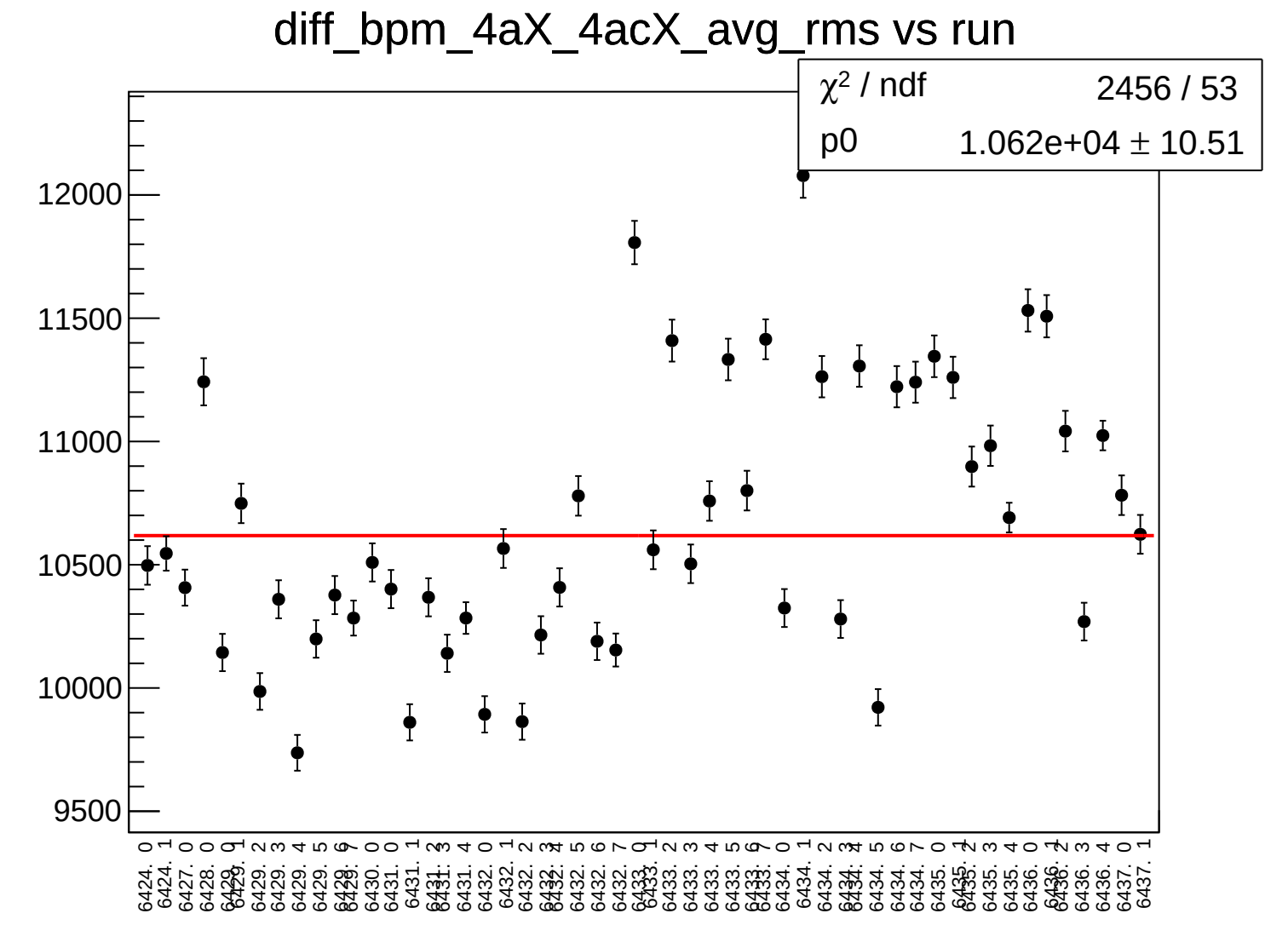

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 60.32 / 53
p0 −17.65 ± 23.52
pull
Entries 54
Mean −3.117
Std Dev 44.5

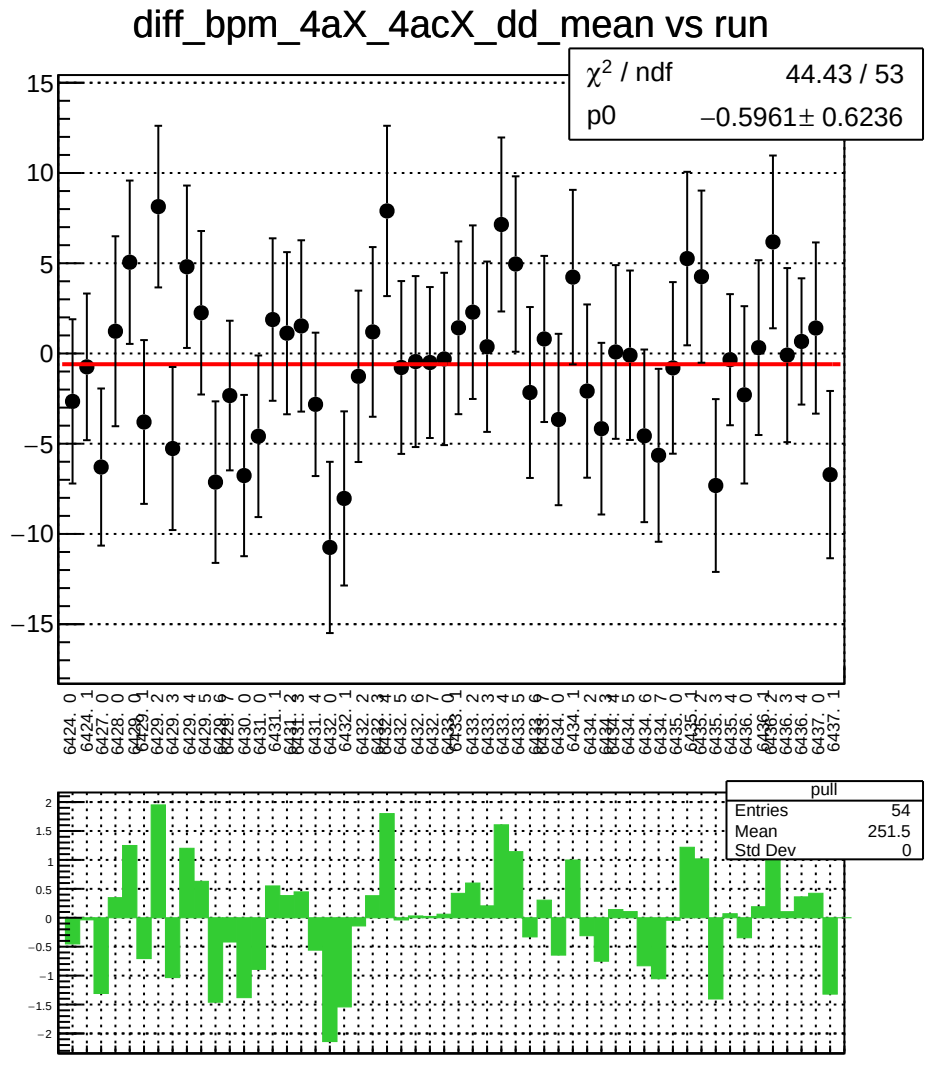

pull1D
Entries 54
Mean 0.01414
Std Dev 1.057

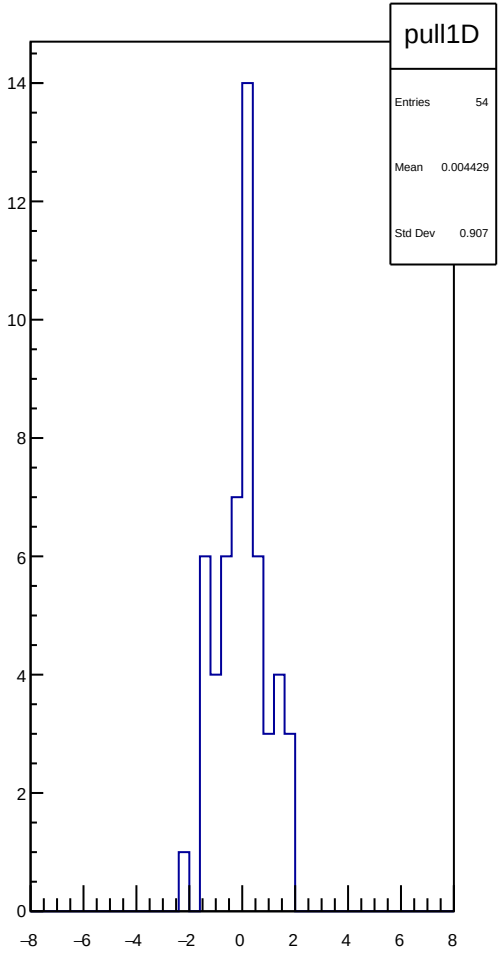

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 2033 / 53
p0 16.8 ± 0.01663
19
18.5
18
17.5
17
16.5
16
15.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

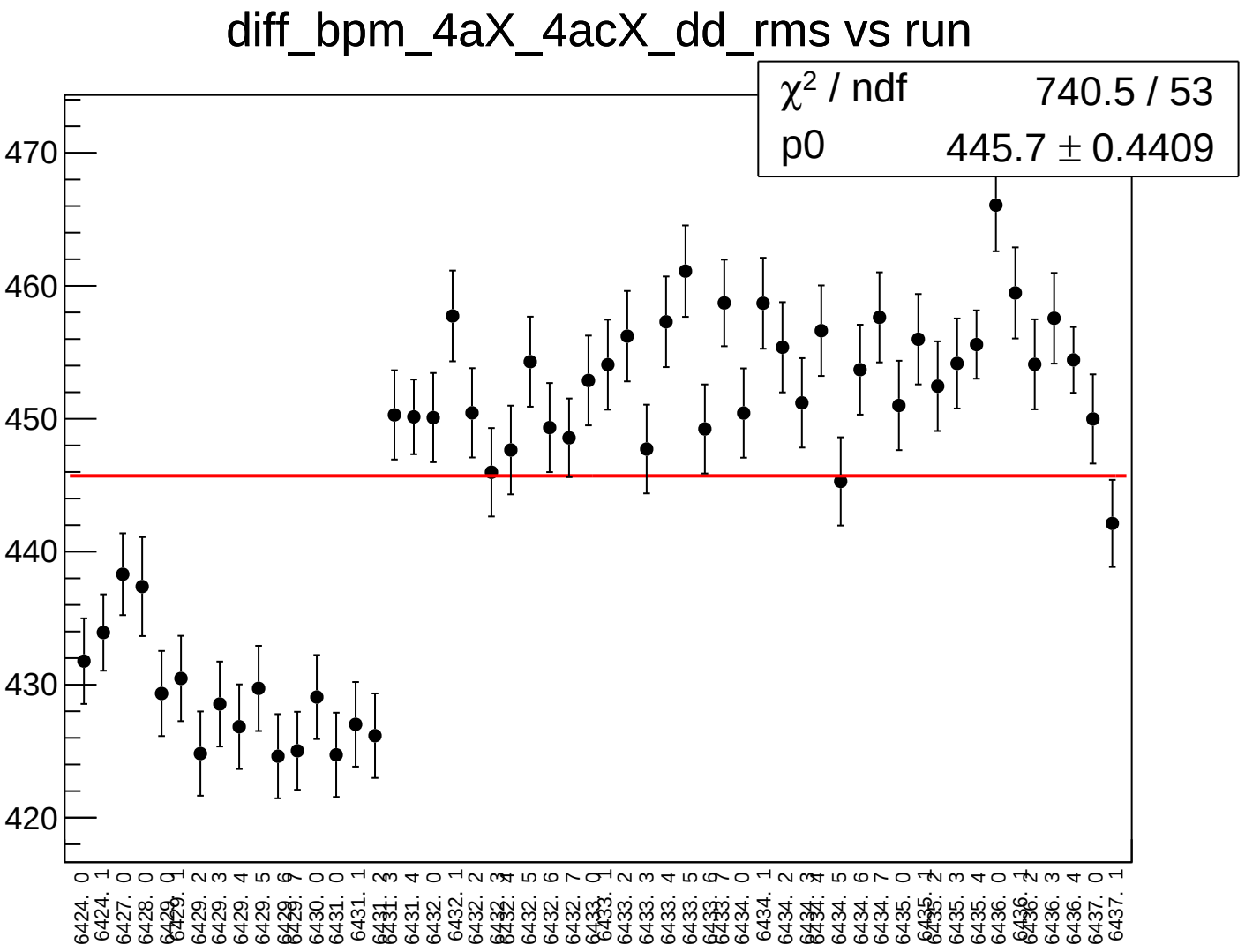

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 86.18 / 53
p0 12.96 ± 14.87
pull
Entries 54
Mean 41.48
Std Dev 0

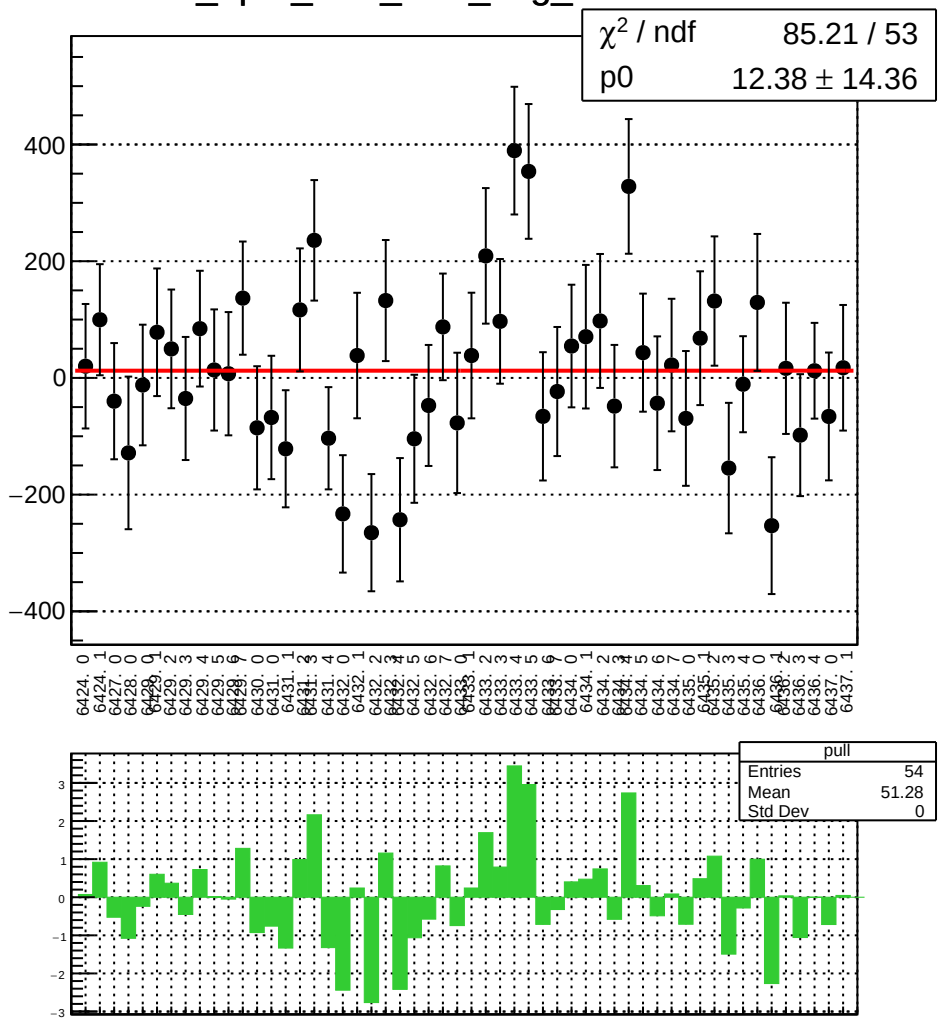

pull1D
Entries 54
Mean 0.01087
Std Dev 1.263

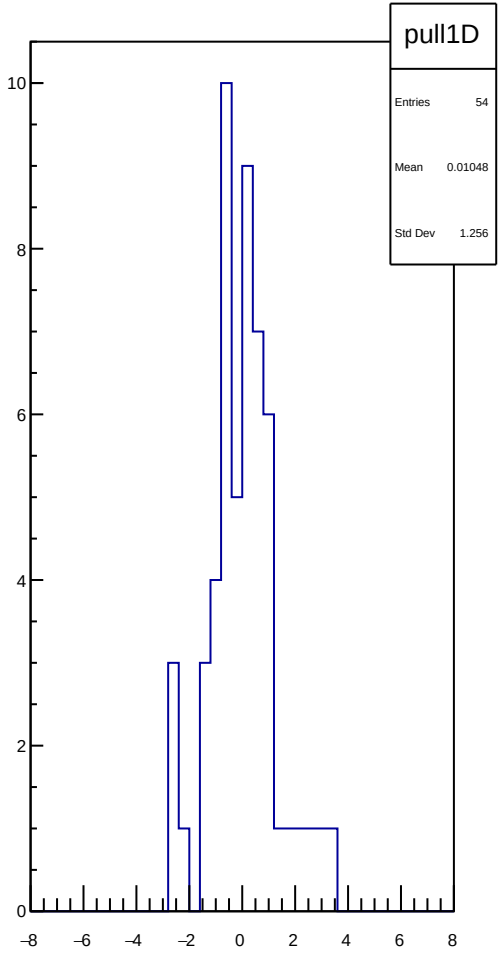

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 2456 / 53
p0 1.062e+04 ± 10.51
12000
11500
11000
10500
10000
9500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

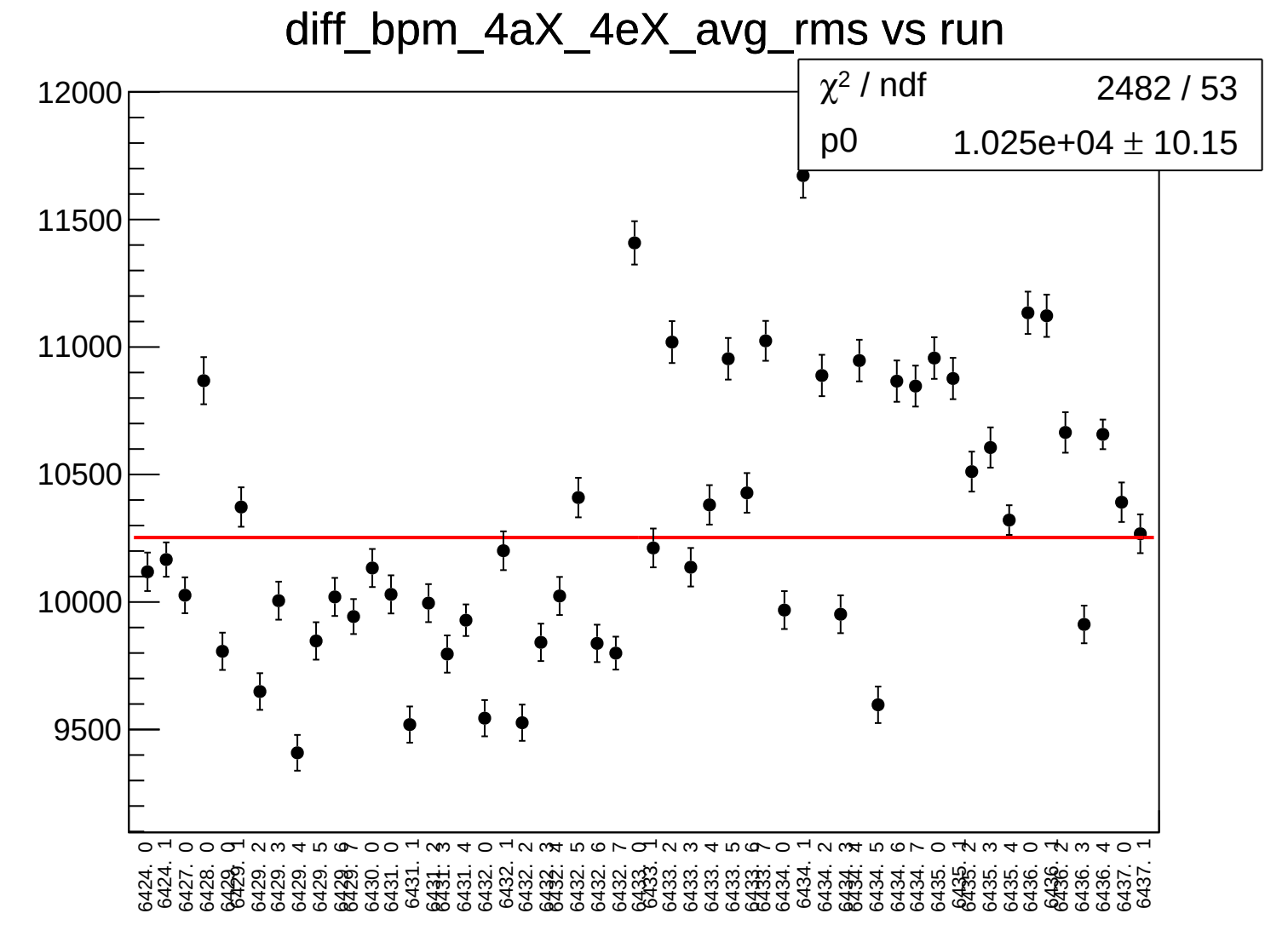

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 44.43 / 53
p0 −0.5961± 0.6236
pull
Entries 54
Mean 251.5
Std Dev 0

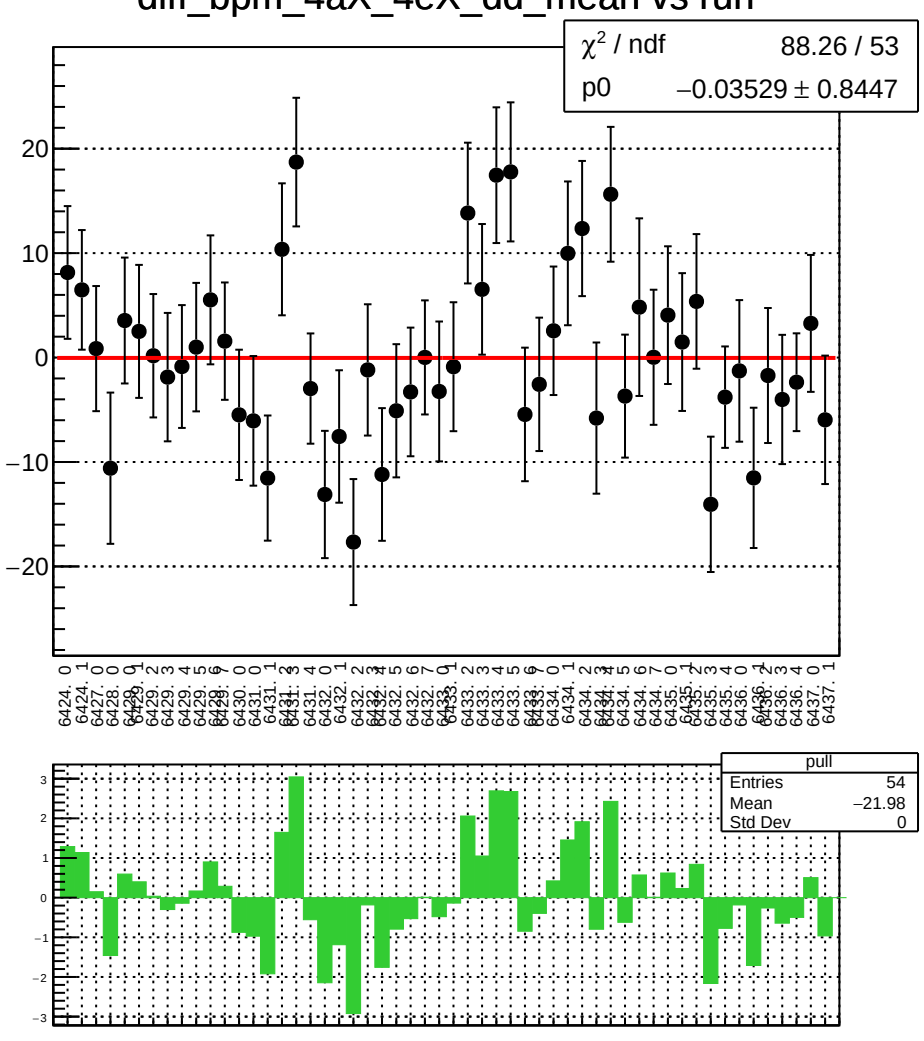

pull1D
Entries 54
Mean 0.004429
Std Dev 0.907

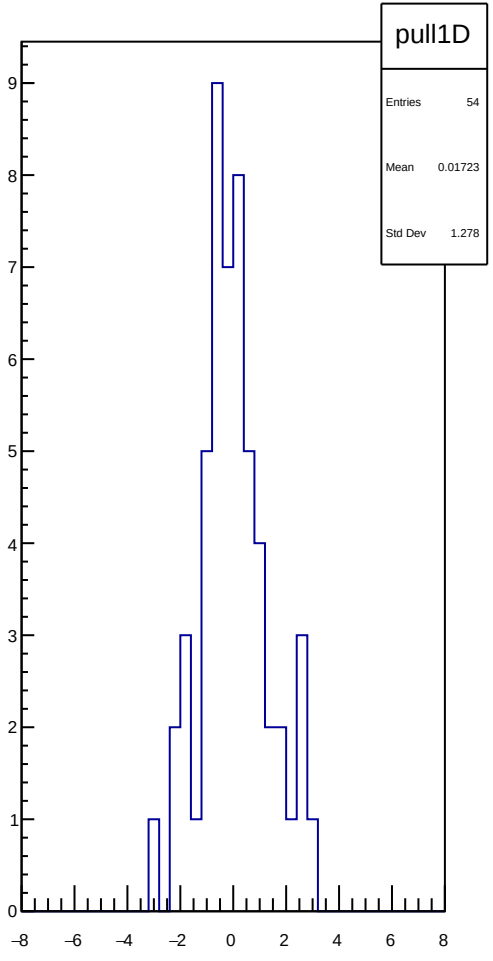

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 740.5 / 53
p0 445.7 ± 0.4409
470
460
450
440
430
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

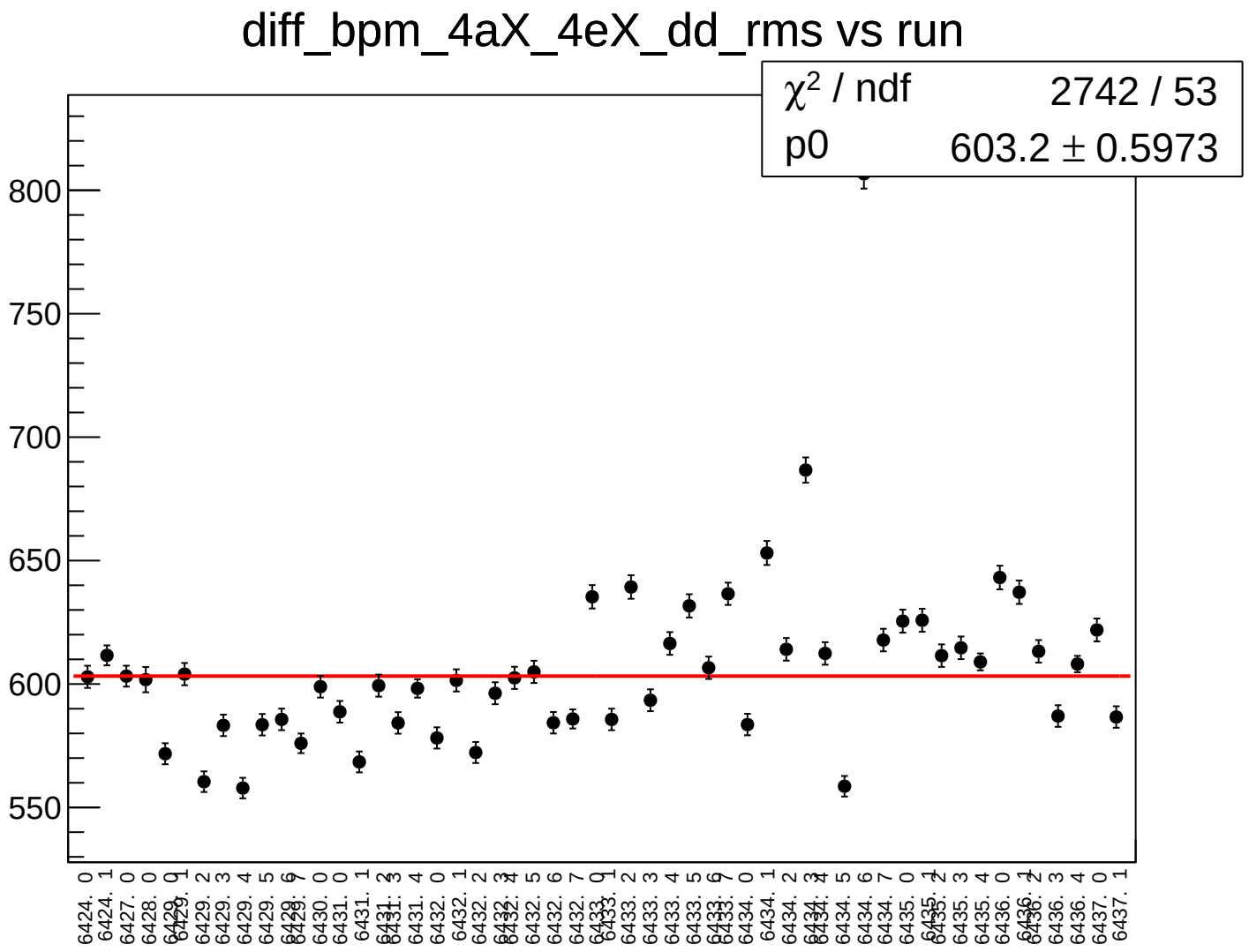

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 85.21 / 53
p0 12.38 ± 14.36
pull
Entries 54
Mean 51.28
Std Dev 0

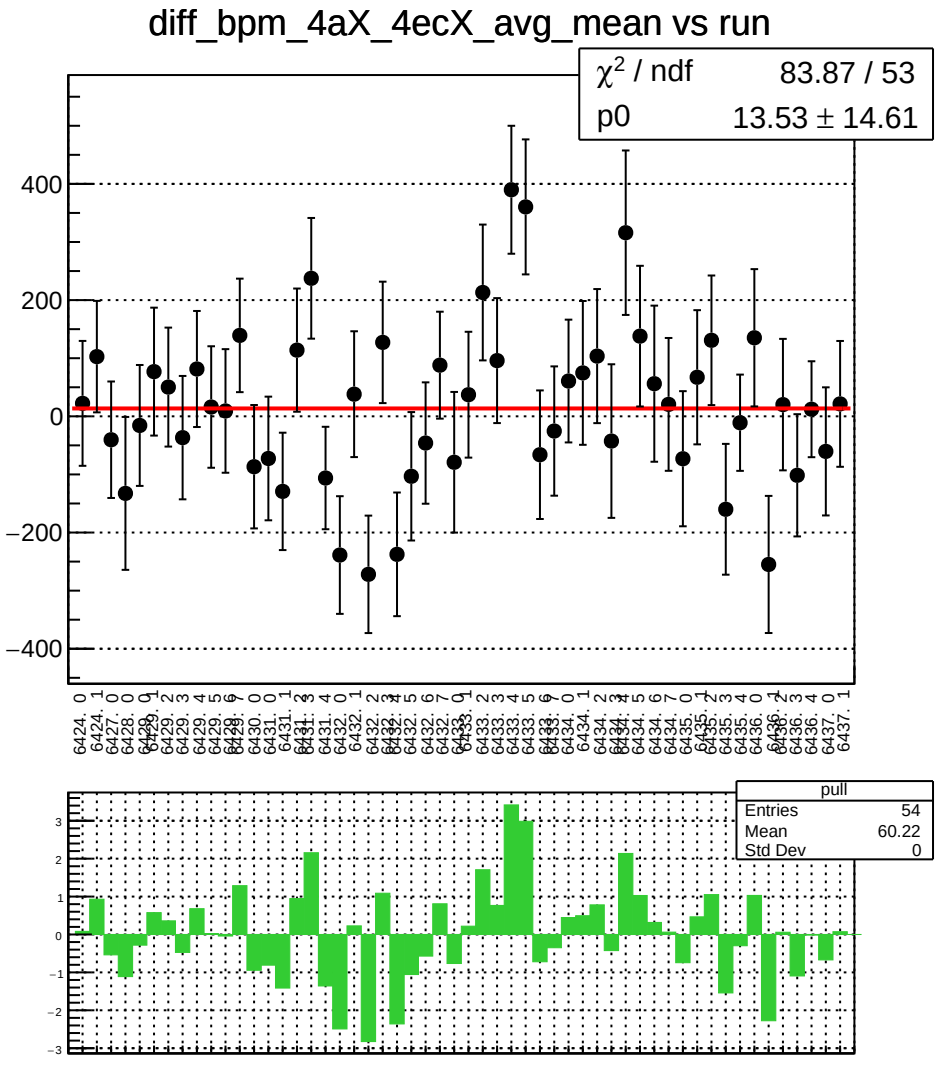

pull1D
Entries 54
Mean 0.01048
Std Dev 1.256

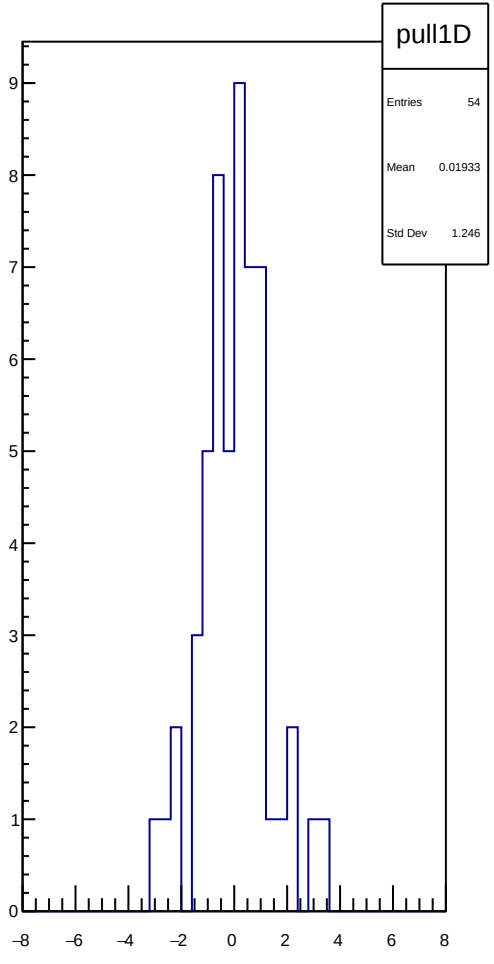

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2482 / 53
p0 1.025e+04 ± 10.15
12000
11500
11000
10500
10000
9500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

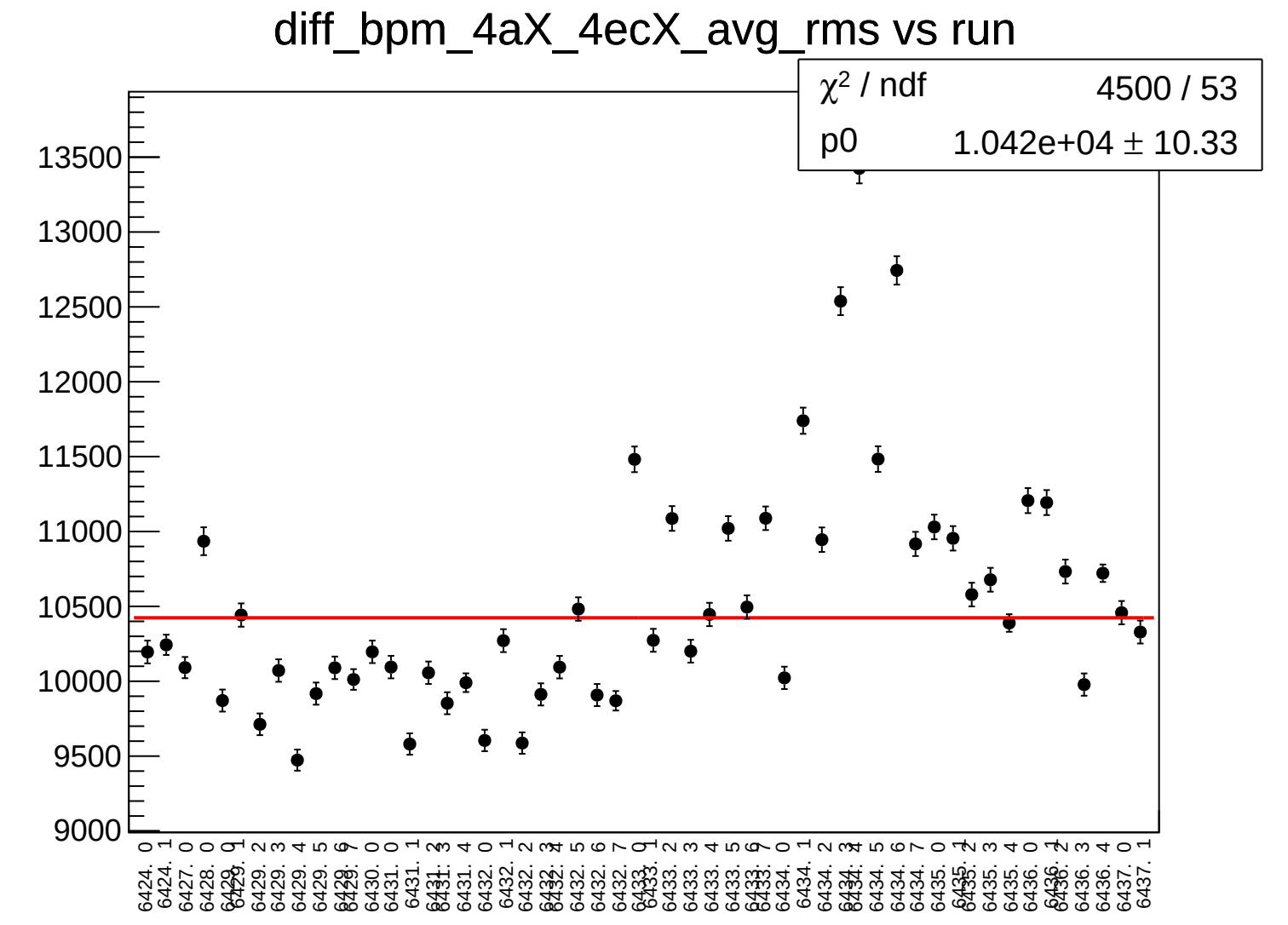

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 88.26 / 53
p0 −0.03529 ± 0.8447
pull
Entries 54
Mean −21.98
Std Dev 0

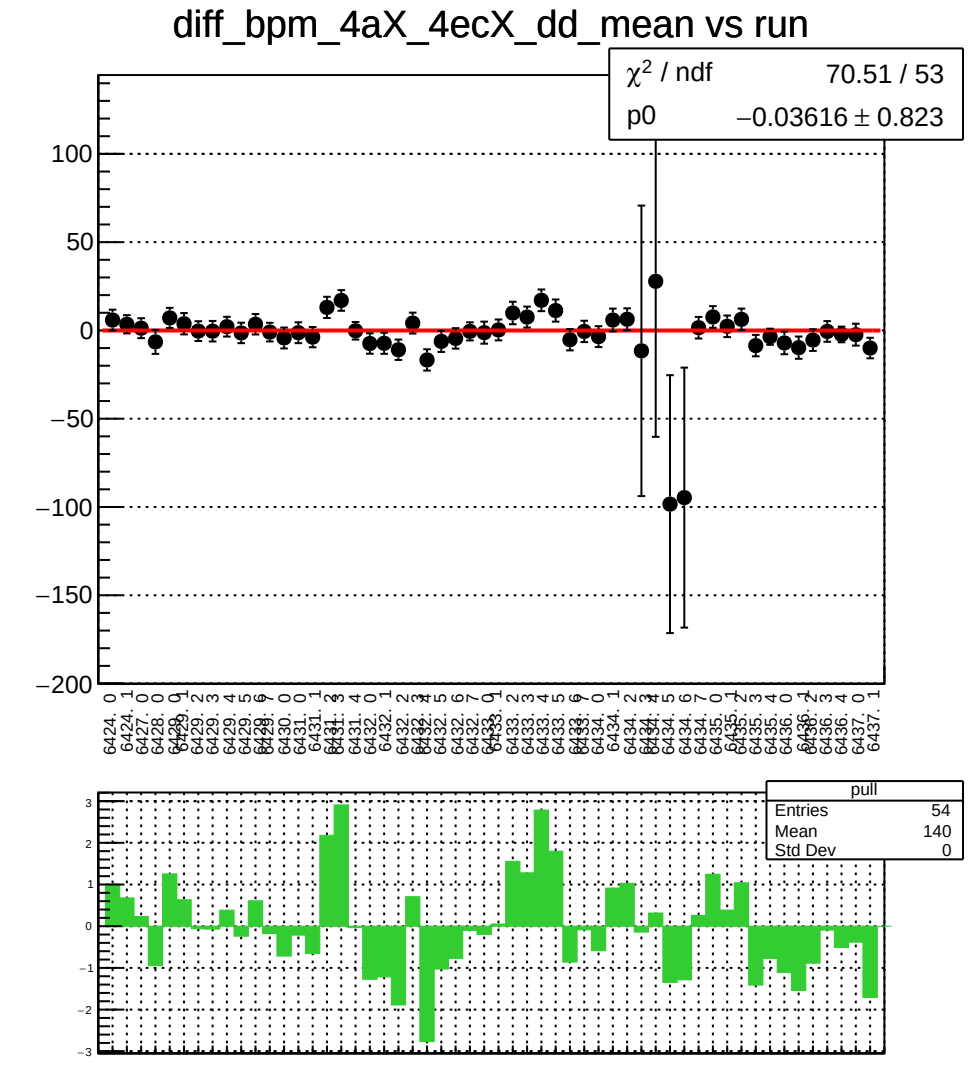

pull1D
Entries 54
Mean 0.01723
Std Dev 1.278

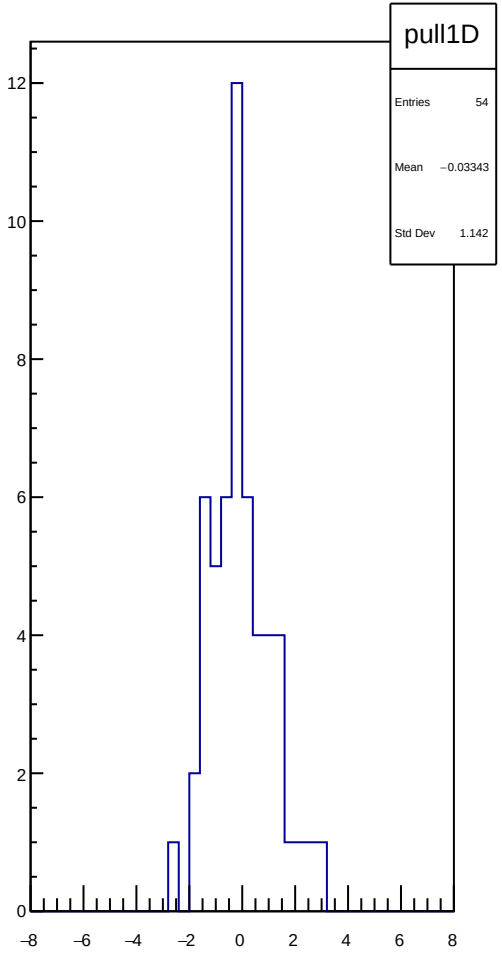

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2742 / 53
p0 603.2 ± 0.5973
800
750
700
650
600
550
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

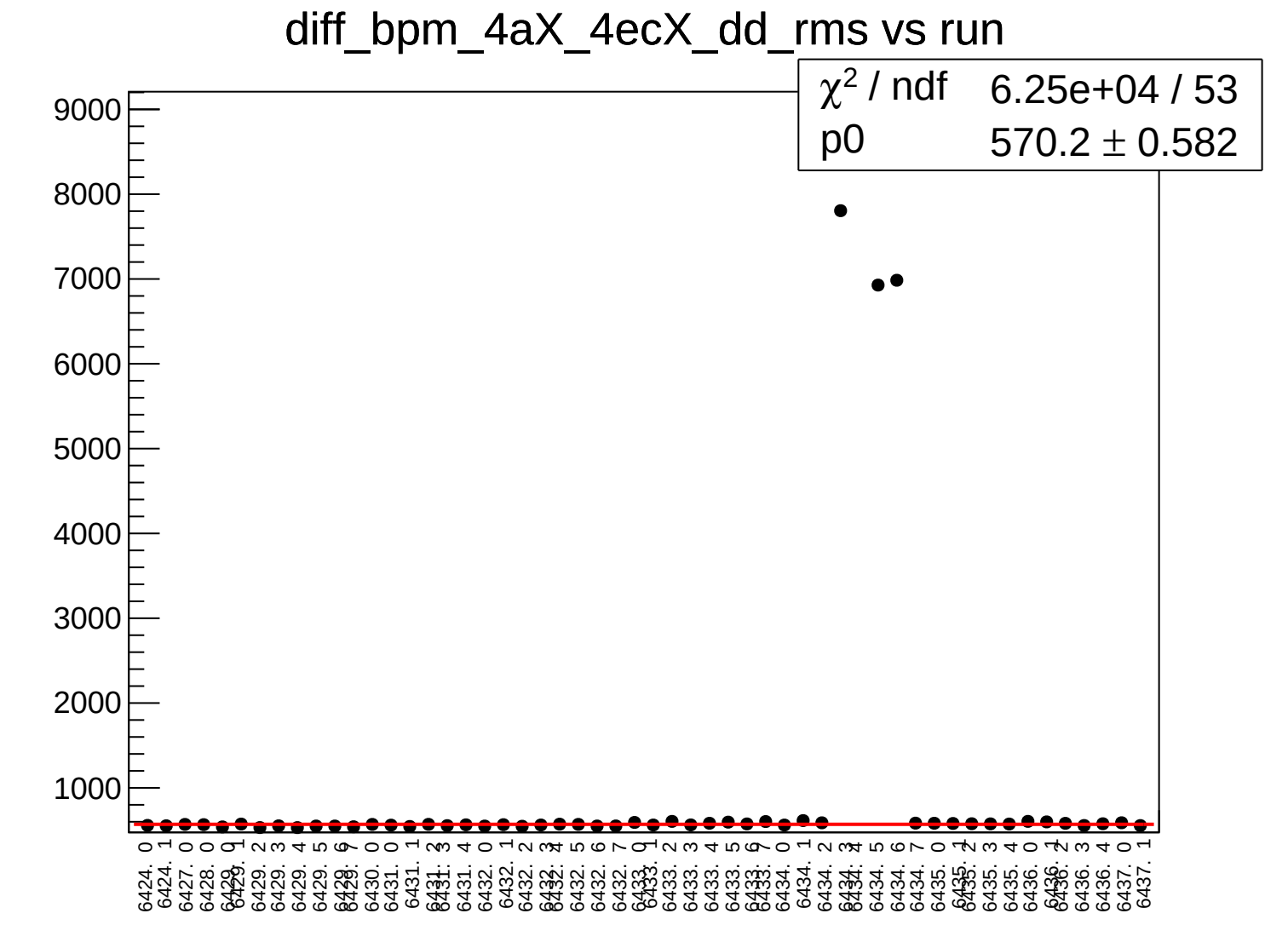

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 83.87 / 53
p0 13.53 ± 14.61
400
200
0
−200
−400
pull
Entries 54
Mean 60.22
Std Dev 0
3
2
1
0
−1
−2
−3

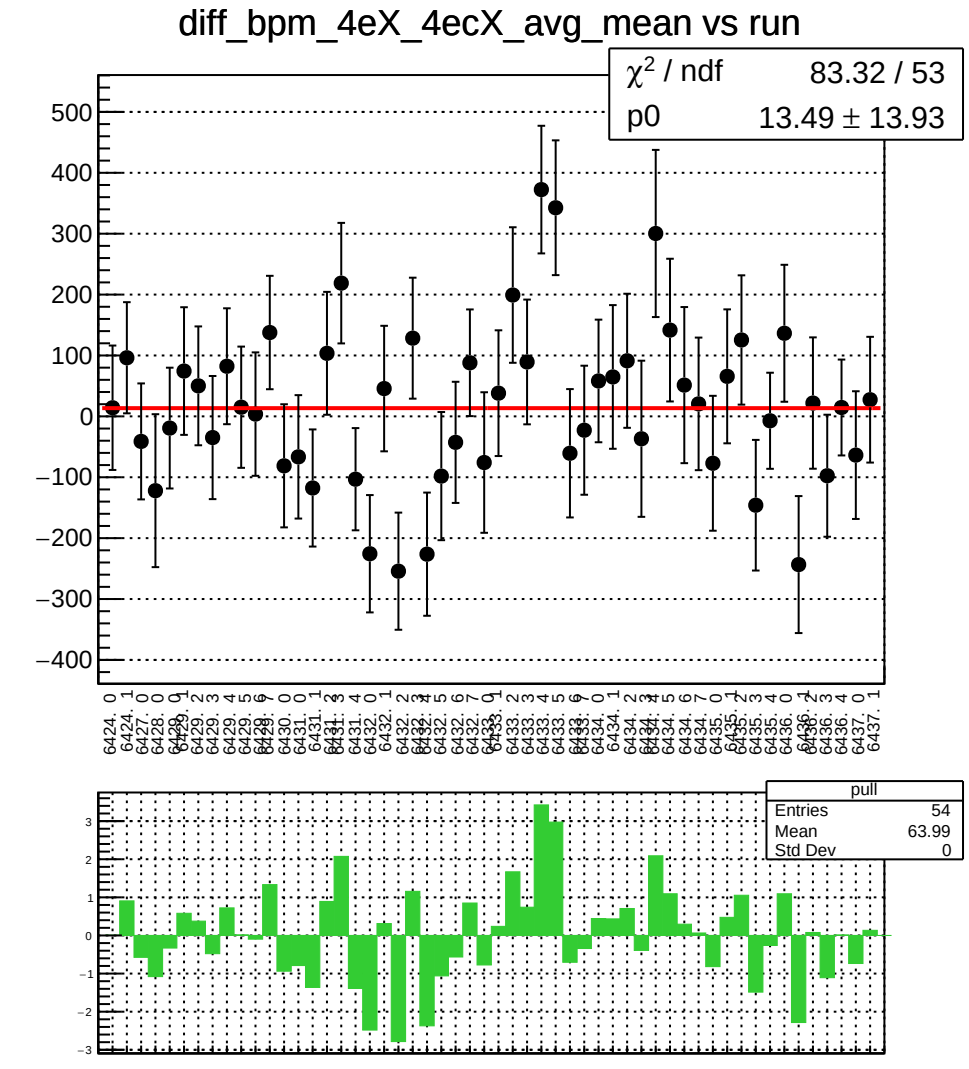

pull1D
Entries 54
Mean 0.01933
Std Dev 1.246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

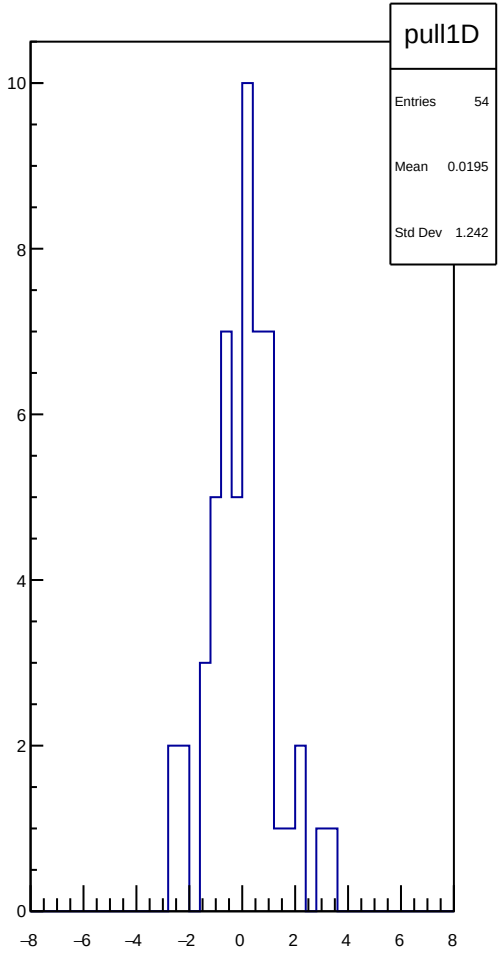

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 4500 / 53
p0 1.042e+04 ± 10.33
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

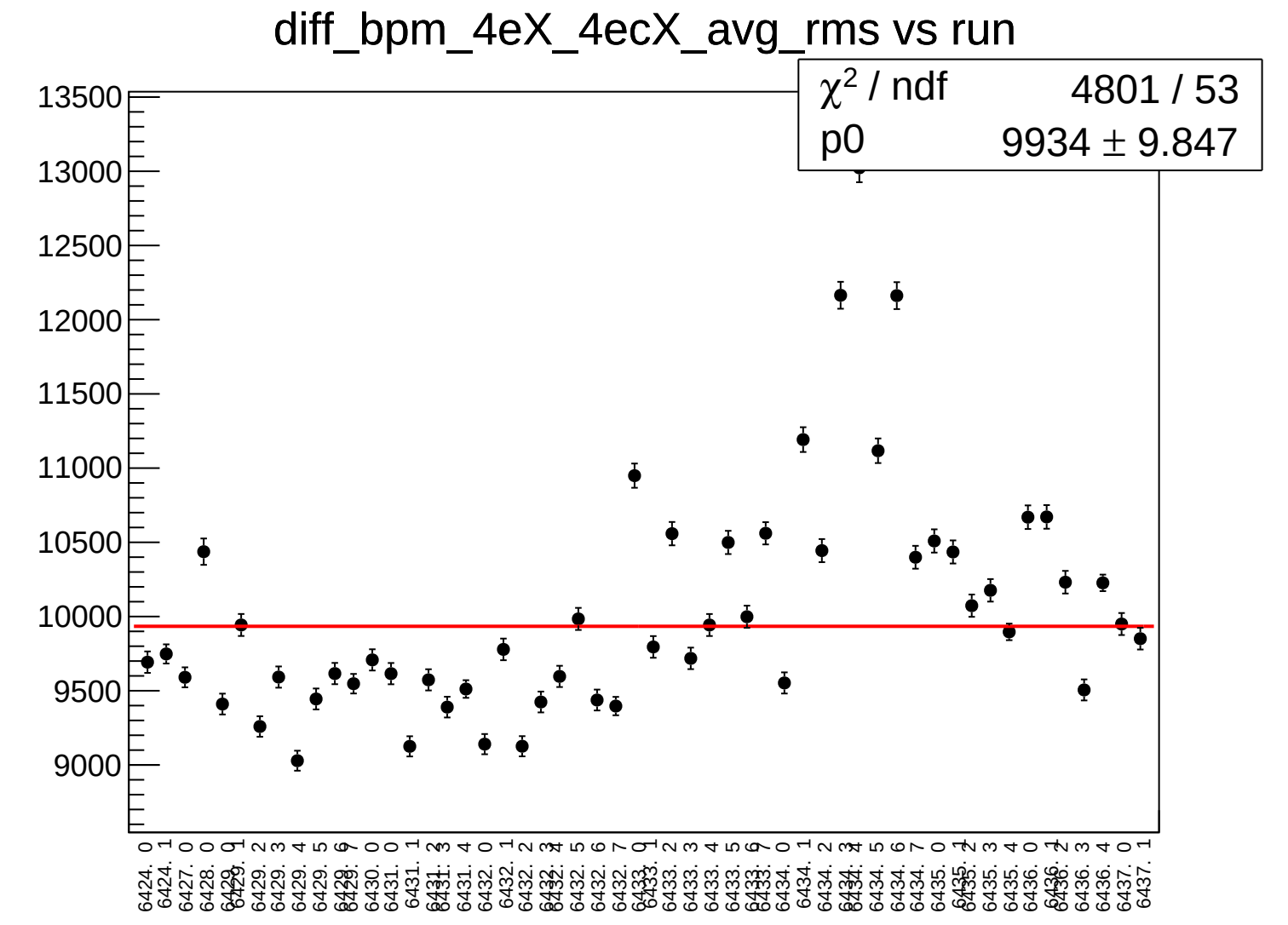

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 70.51 / 53
p0 −0.03616 ± 0.823
pull
Entries 54
Mean 140
Std Dev 0

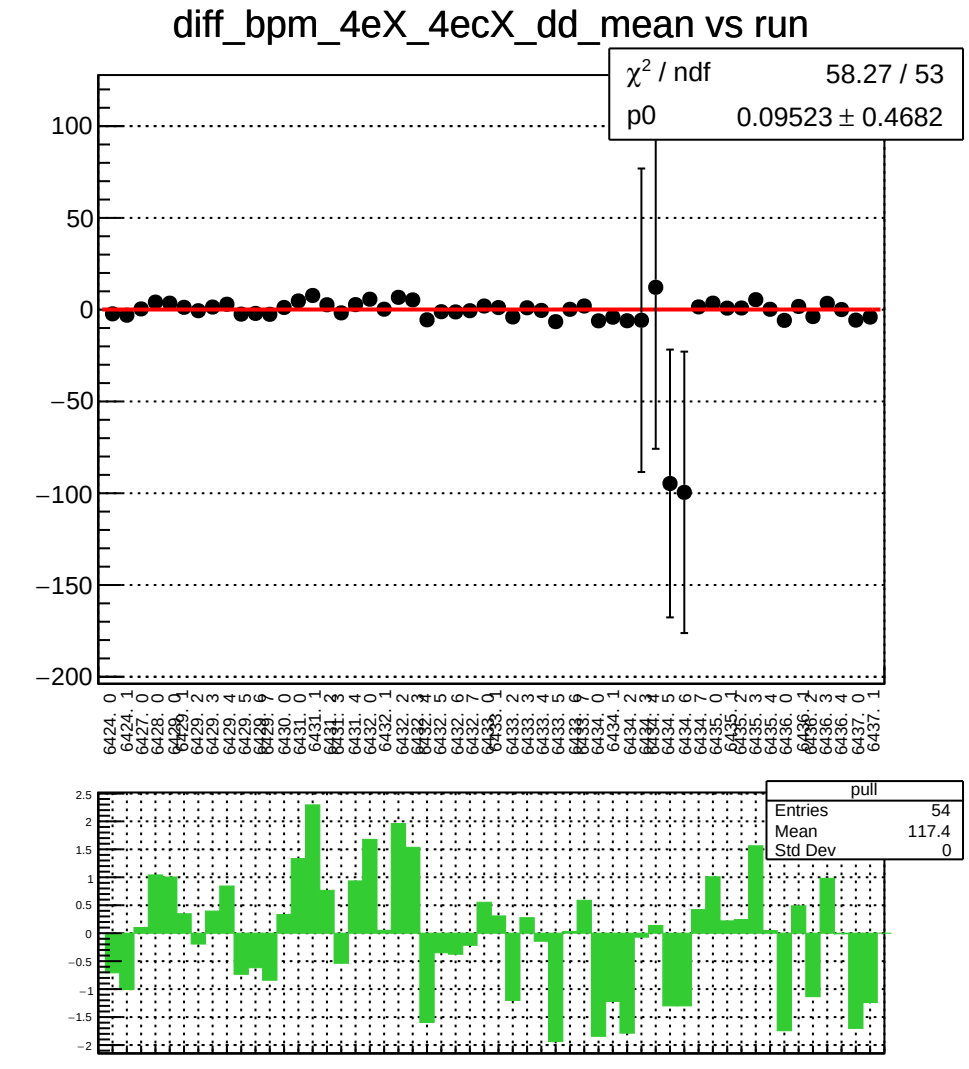

pull1D
Entries 54
Mean −0.03343
Std Dev 1.142

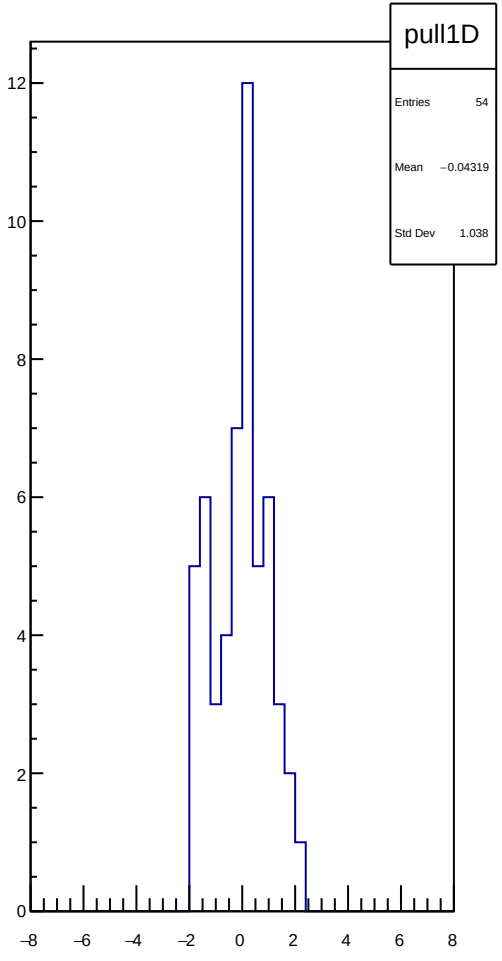

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 6.25e+04 / 53
p0 570.2 ± 0.582
9000
8000
7000
6000
5000
4000
3000
2000
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

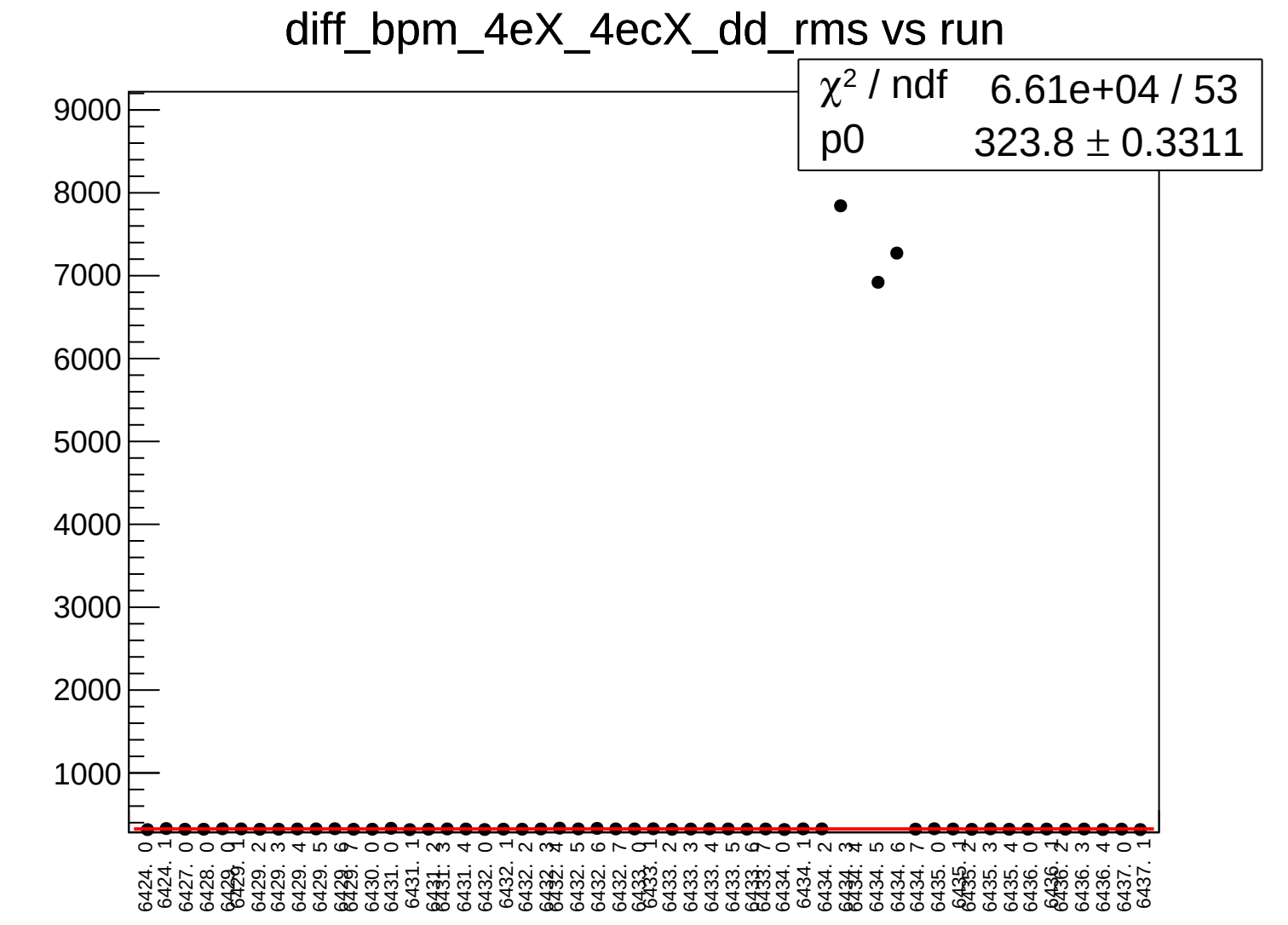

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 83.32 / 53
p0 13.49 ± 13.93
pull
Entries 54
Mean 63.99
Std Dev 0

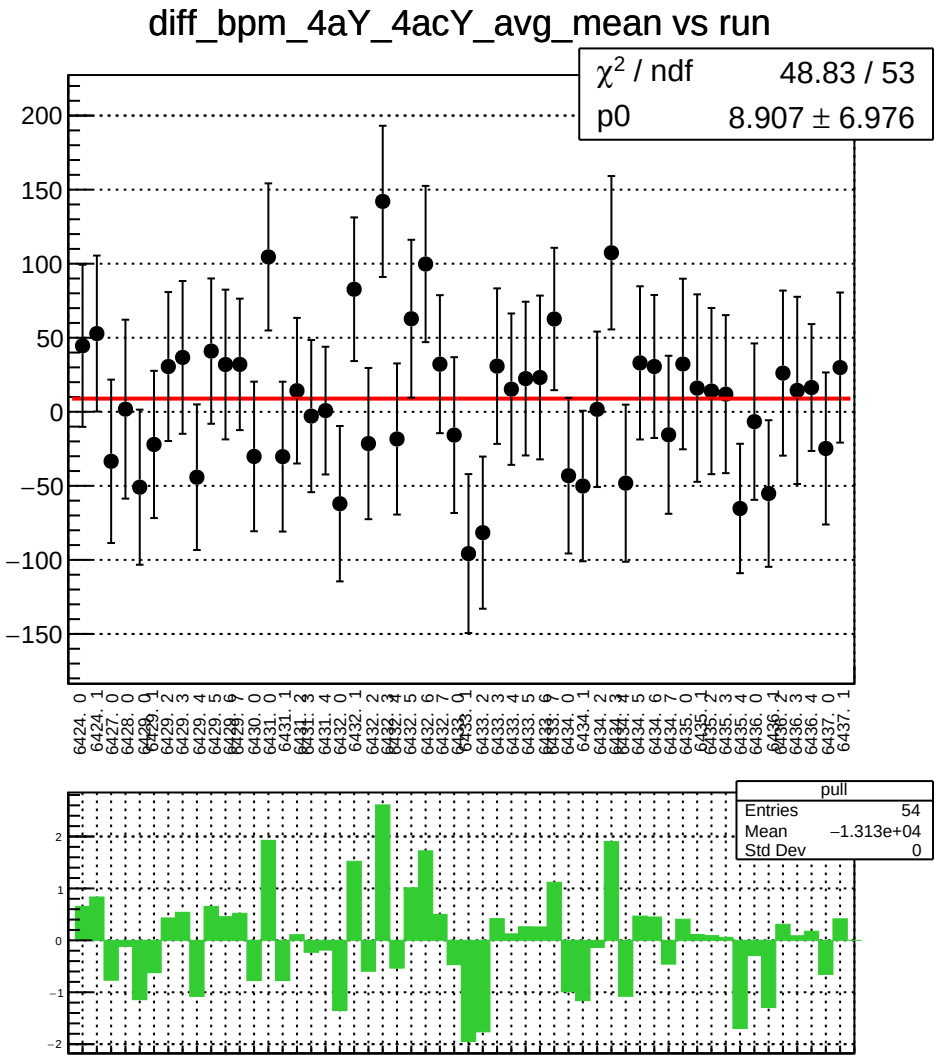

pull1D
Entries 54
Mean 0.0195
Std Dev 1.242

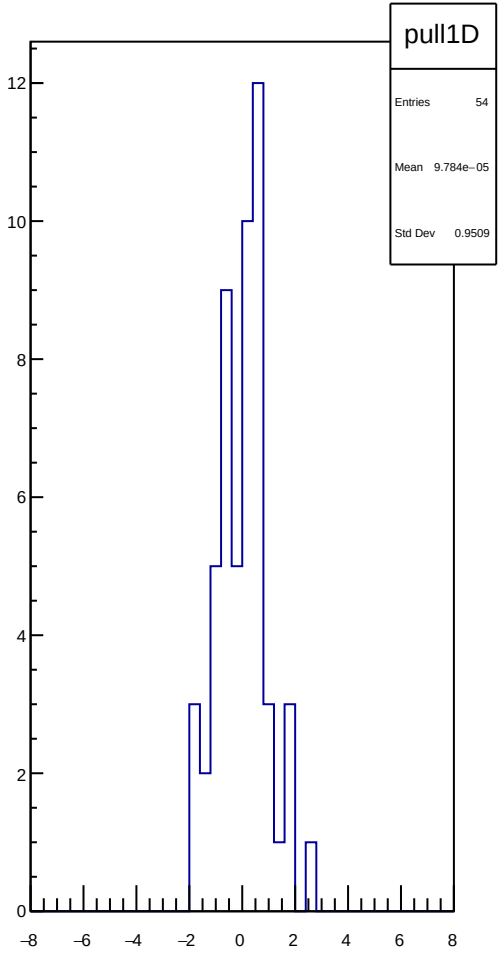

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4801 / 53
p0 9934 ± 9.847
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

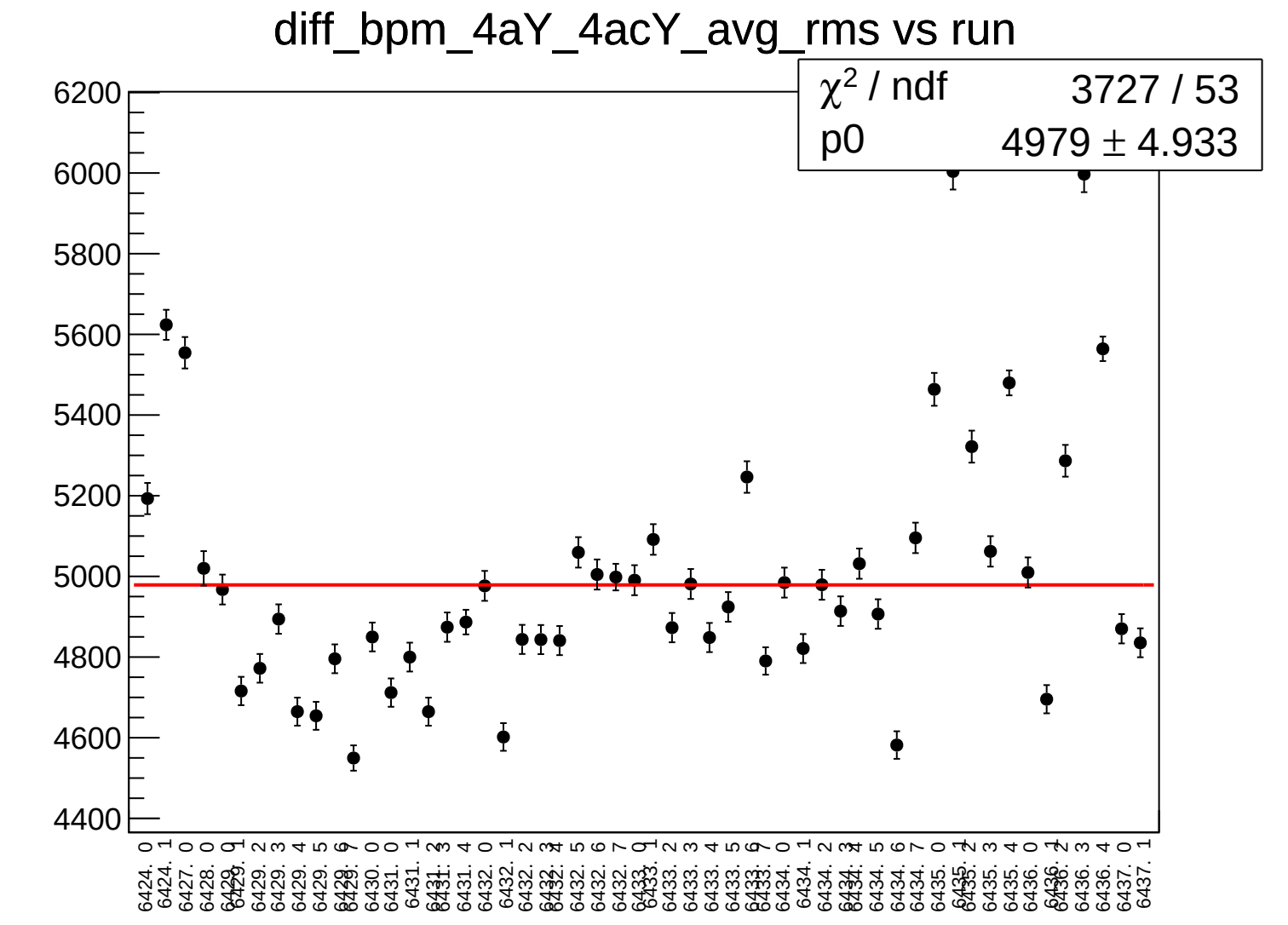

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 58.27 / 53
p0 0.09523 ± 0.4682
pull
Entries 54
Mean 117.4
Std Dev 0

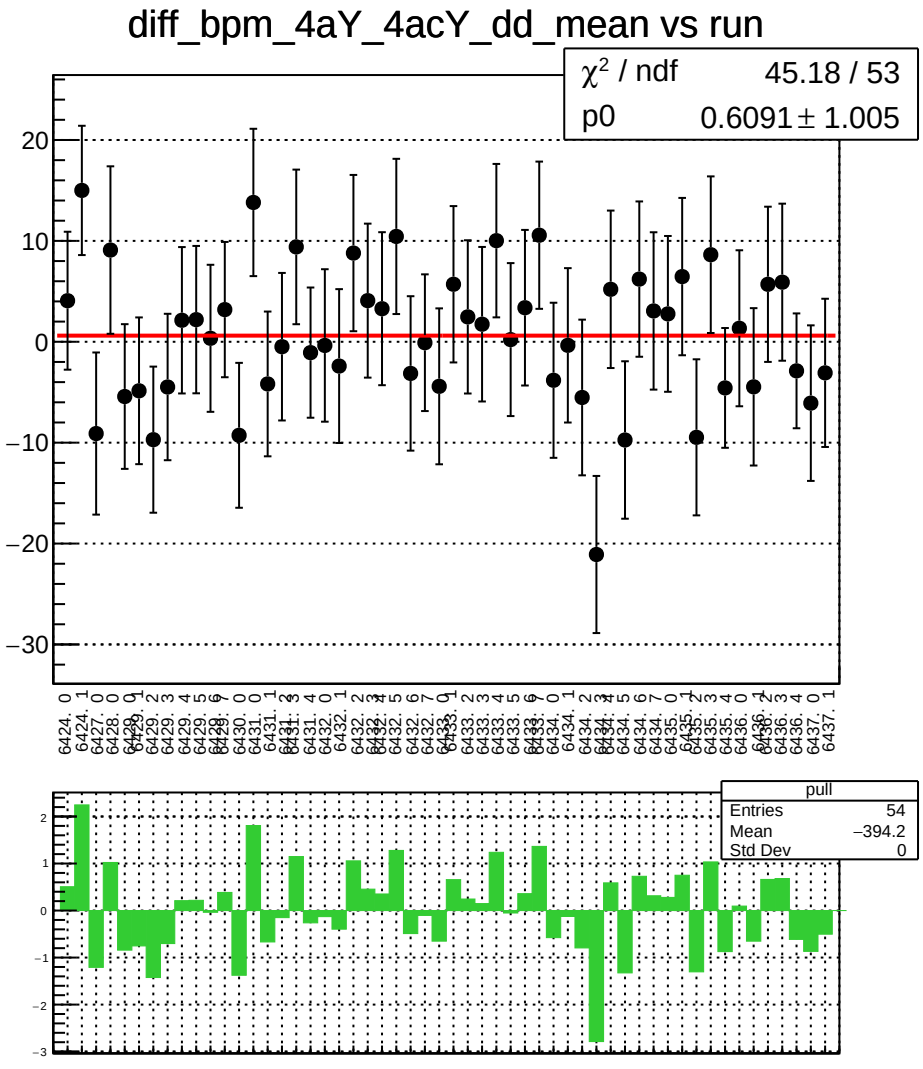

pull1D
Entries 54
Mean −0.04319
Std Dev 1.038

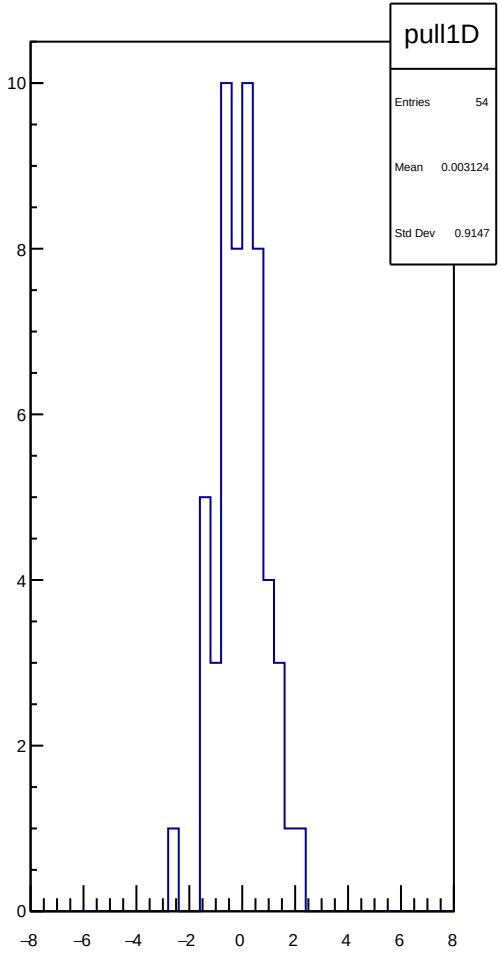

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 6.61e+04 / 53
p0 323.8 ± 0.3311
9000
8000
7000
6000
5000
4000
3000
2000
1000

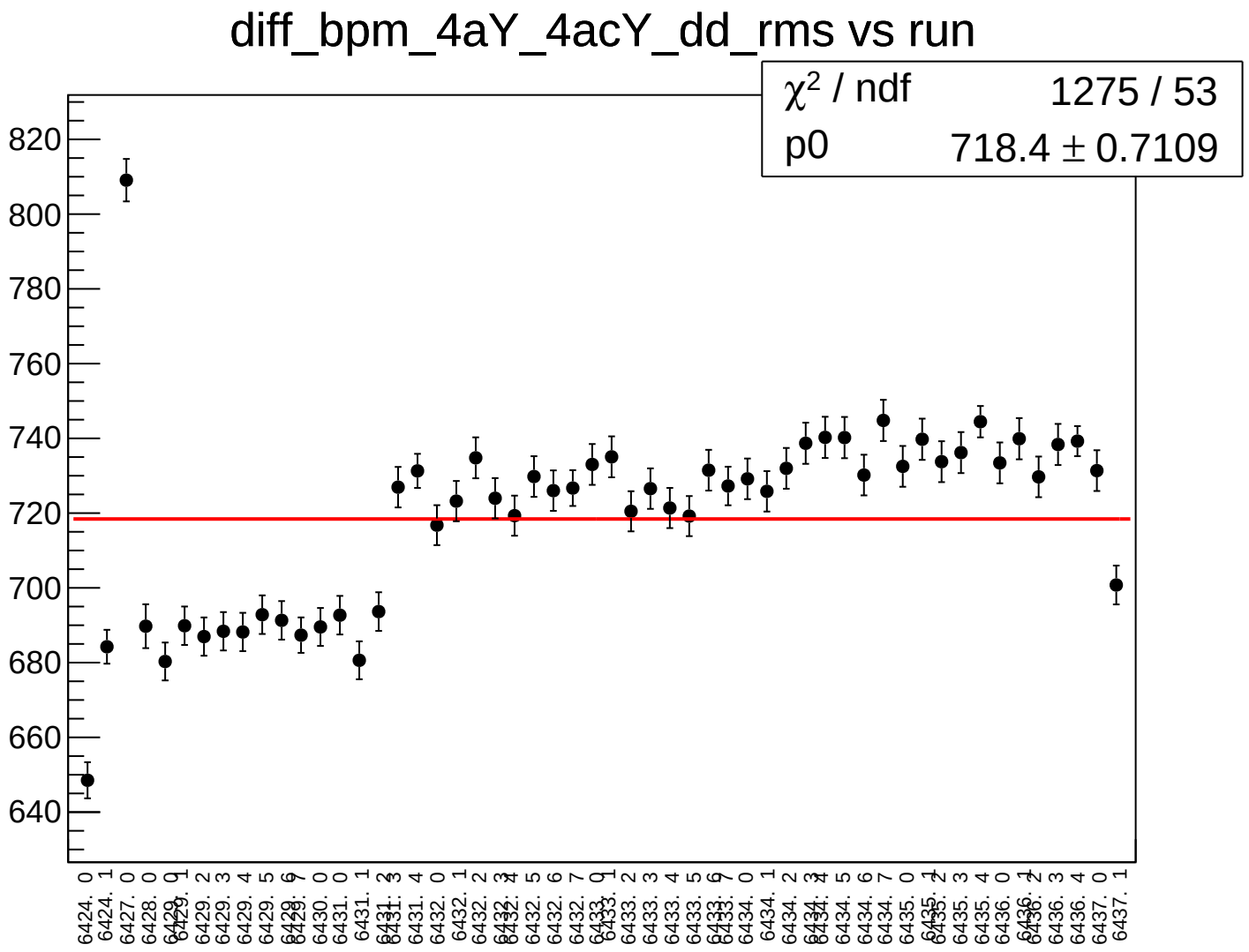

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 48.83 / 53
p0 8.907 ± 6.976
pull
Entries 54
Mean −1.313e+04
Std Dev 0

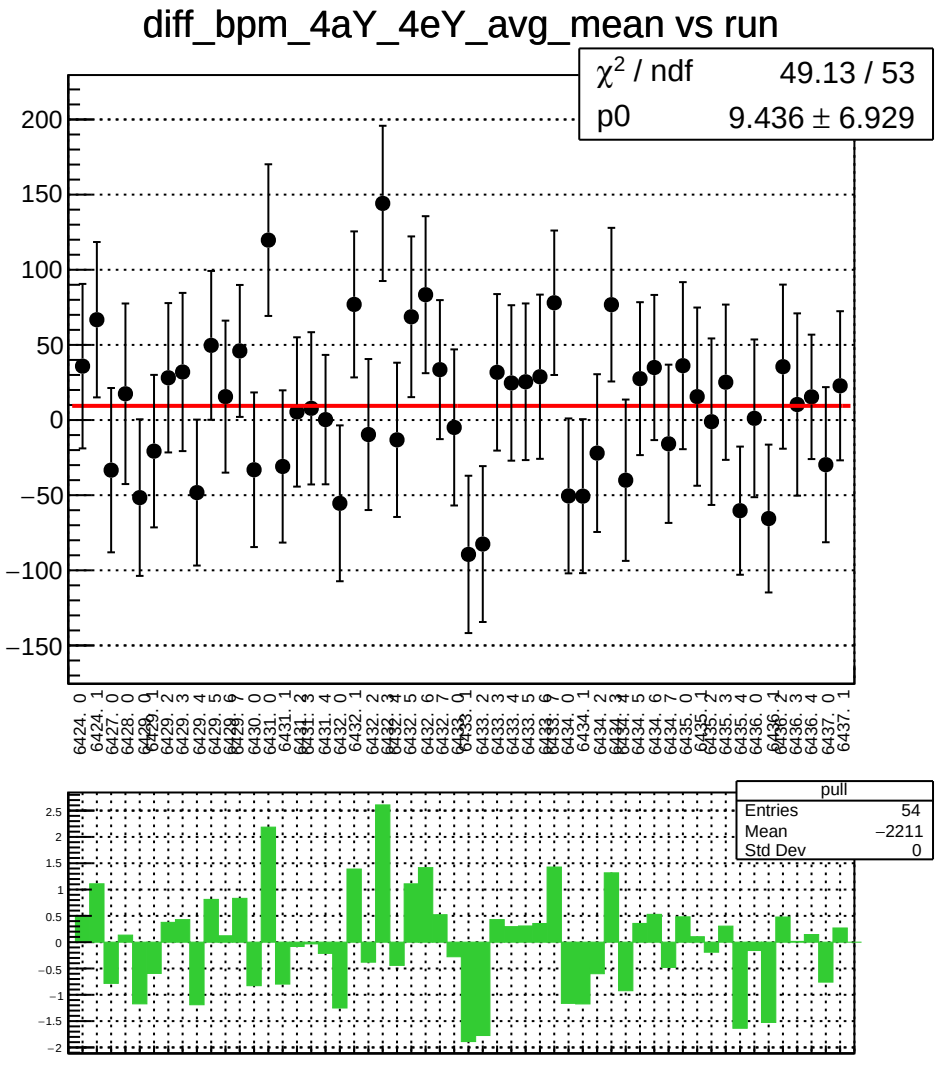

pull1D
Entries 54
Mean 9.784e−05
Std Dev 0.9509

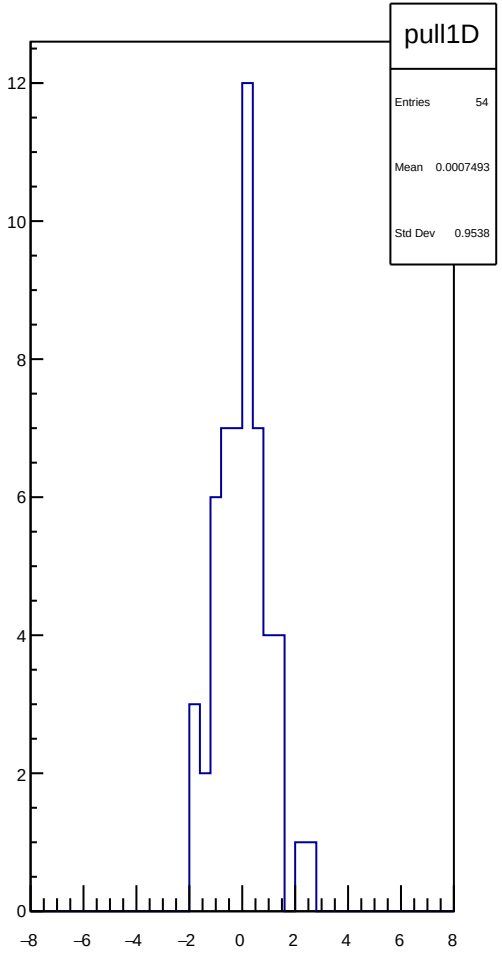

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3727 / 53
p0 4979 ± 4.933
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

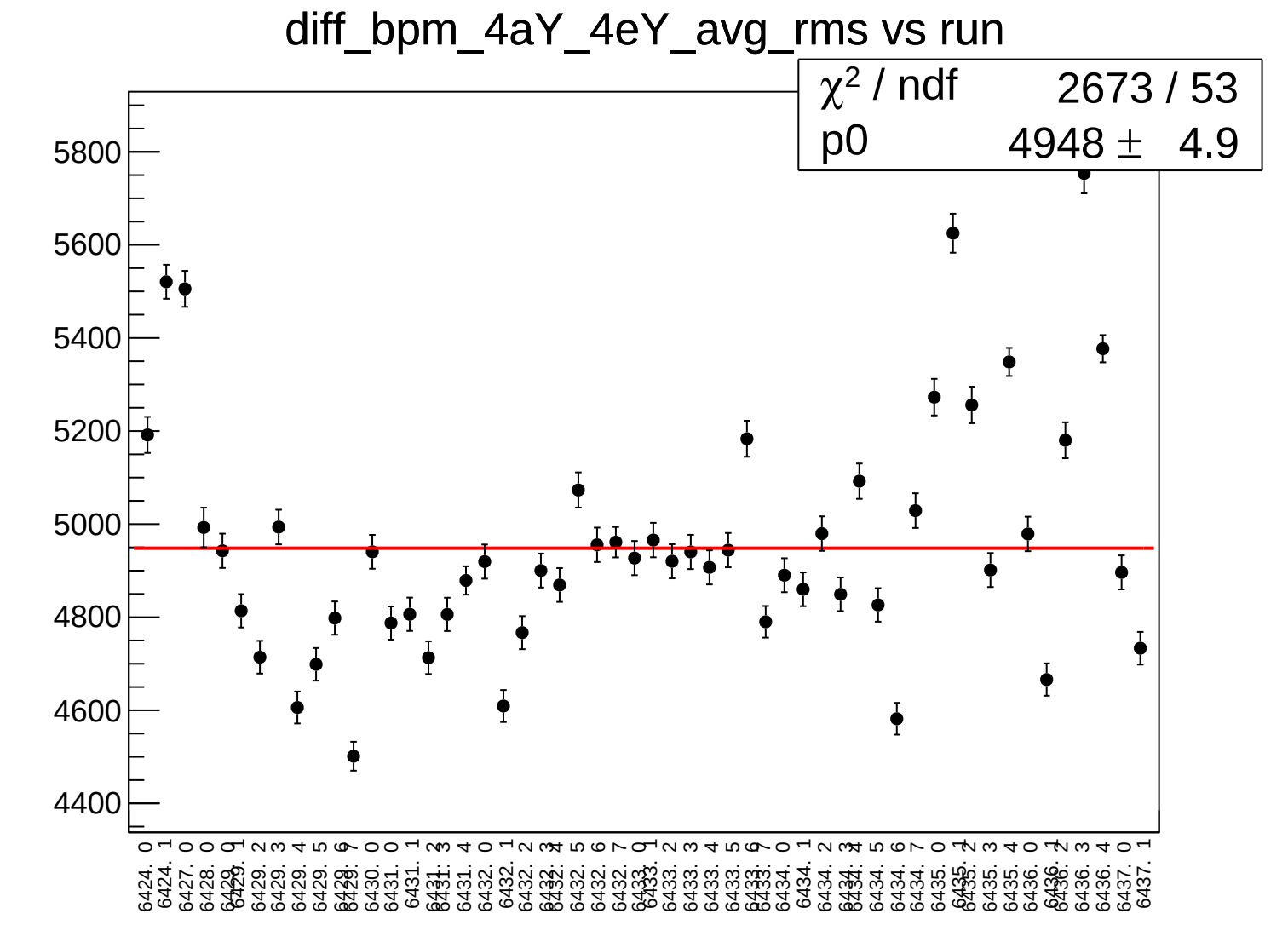

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 45.18 / 53
p0 0.6091 ± 1.005
pull
Entries 54
Mean −394.2
Std Dev 0

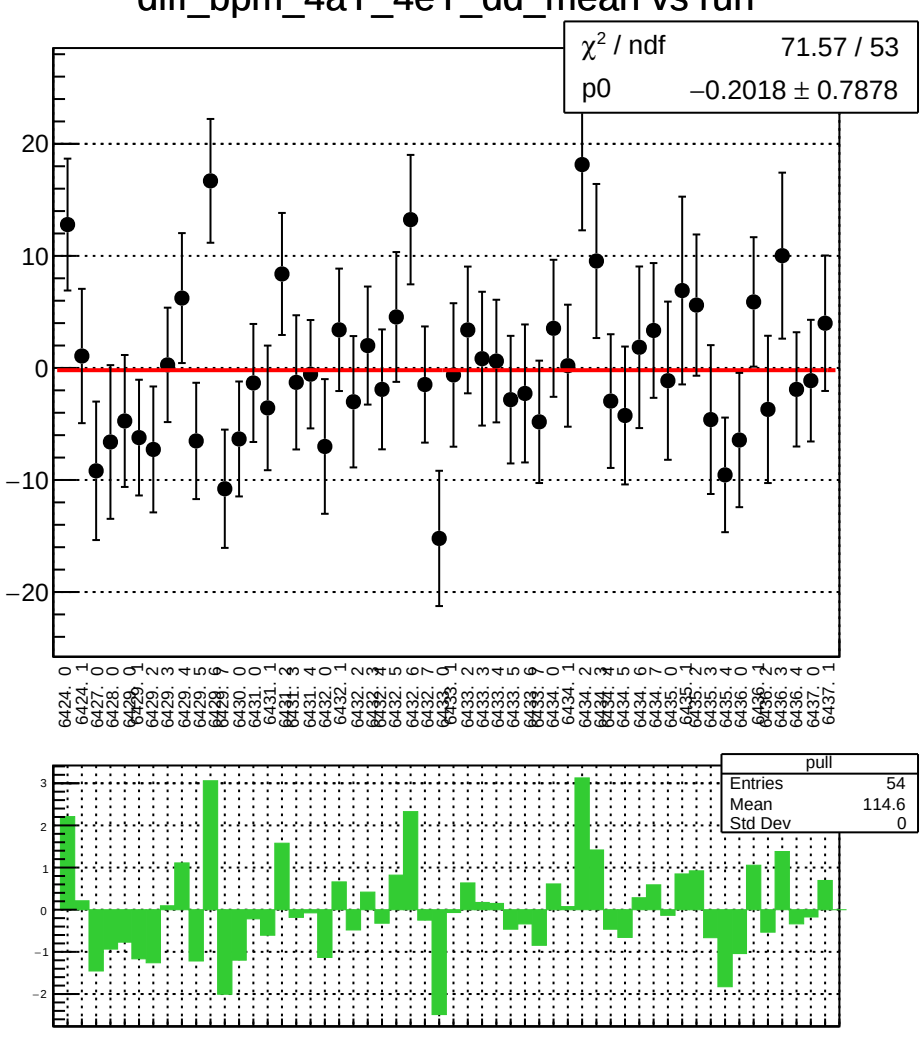

pull1D
Entries 54
Mean 0.003124
Std Dev 0.9147

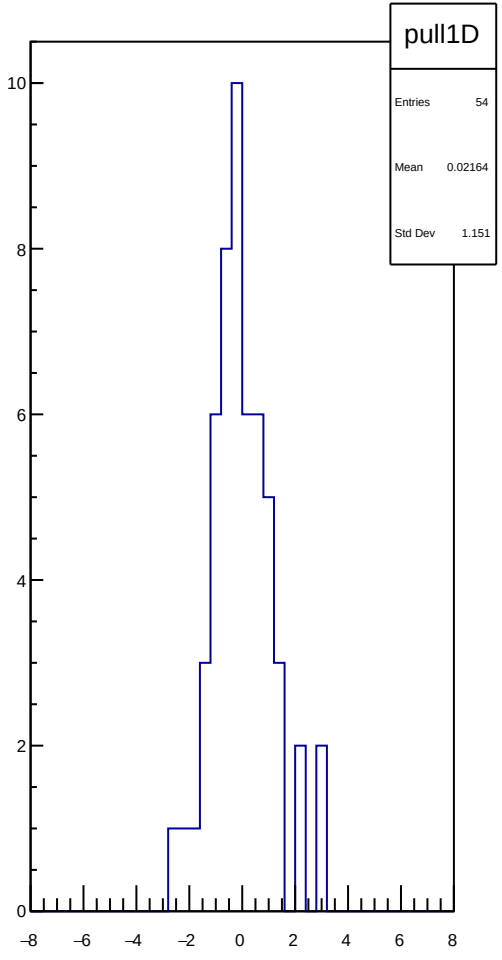

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 1275 / 53
p0 718.4 ± 0.7109
820
800
780
760
740
720
700
680
660
640
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

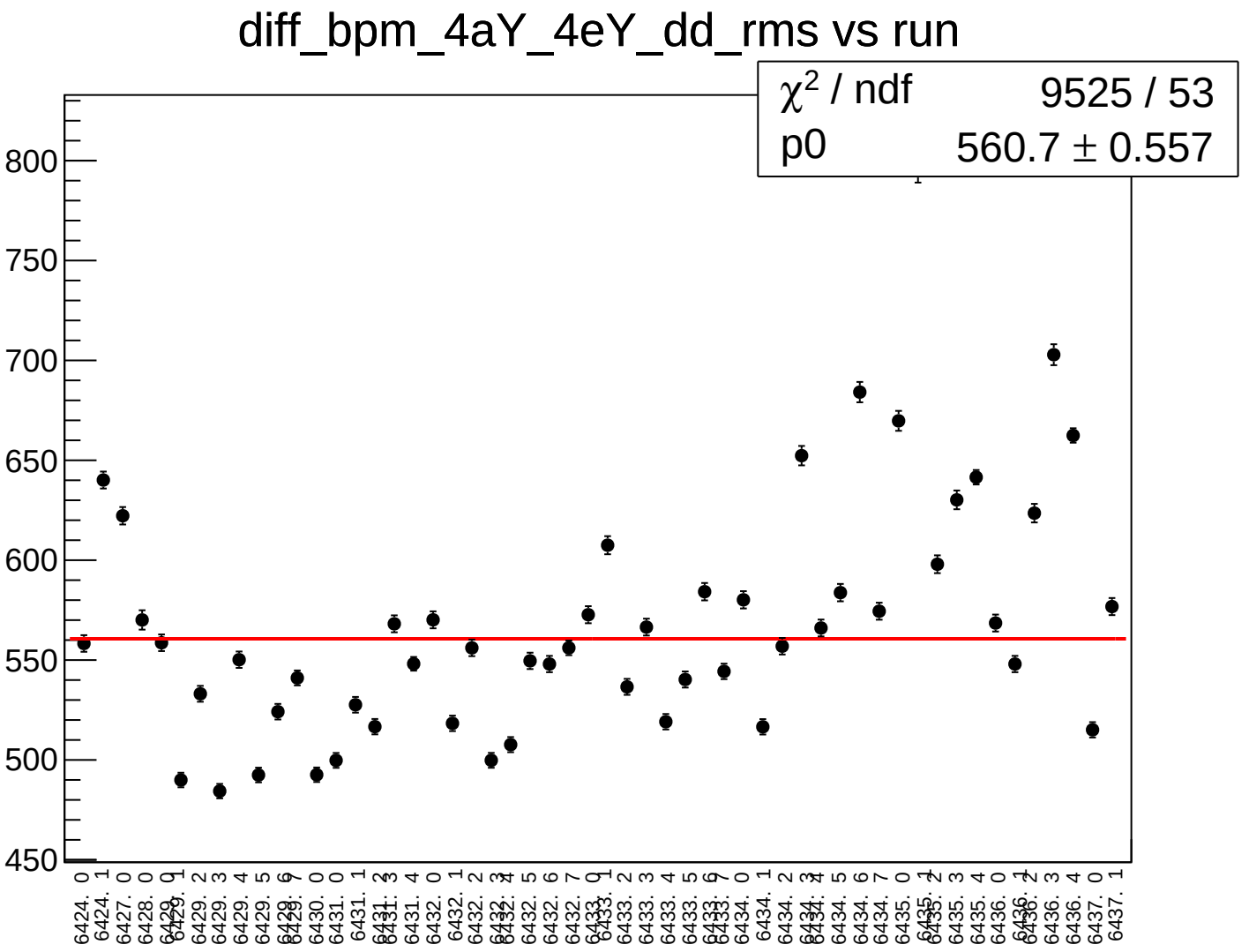

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 49.13 / 53
p0 9.436 ± 6.929
pull
Entries 54
Mean −2211
Std Dev 0

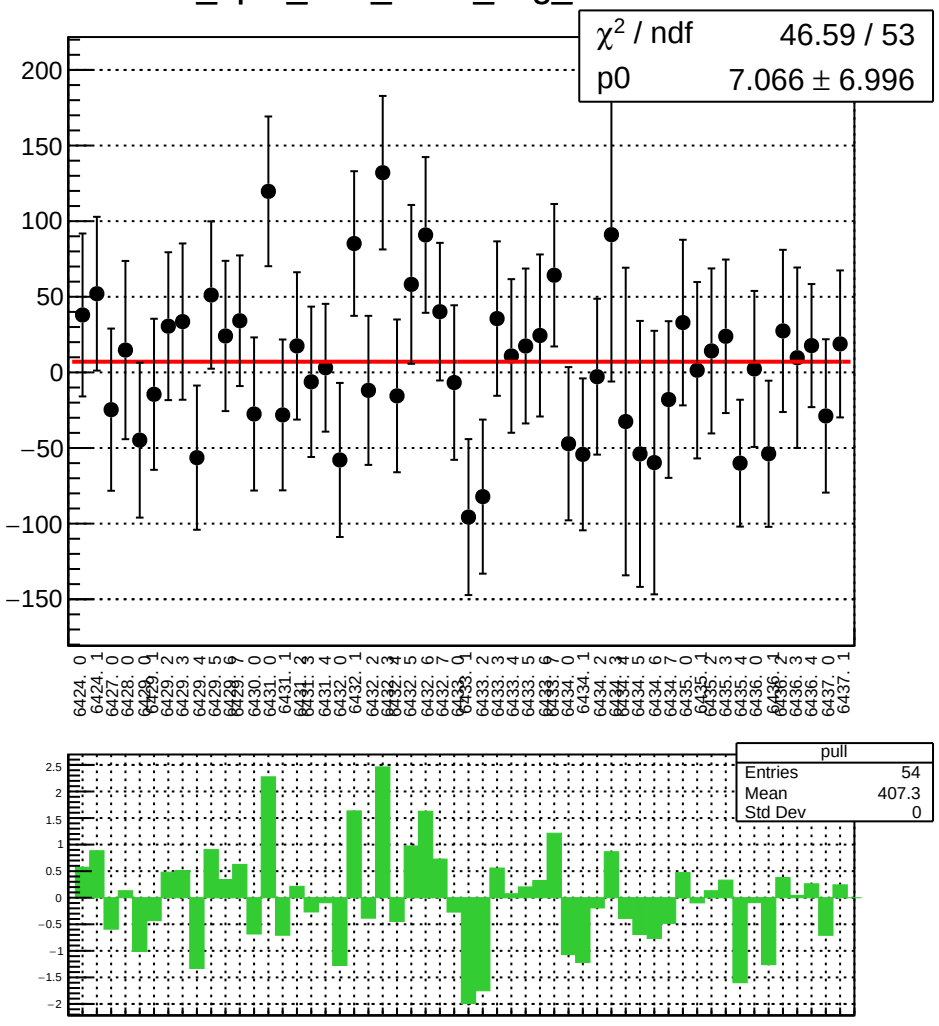

pull1D
Entries 54
Mean 0.0007493
Std Dev 0.9538

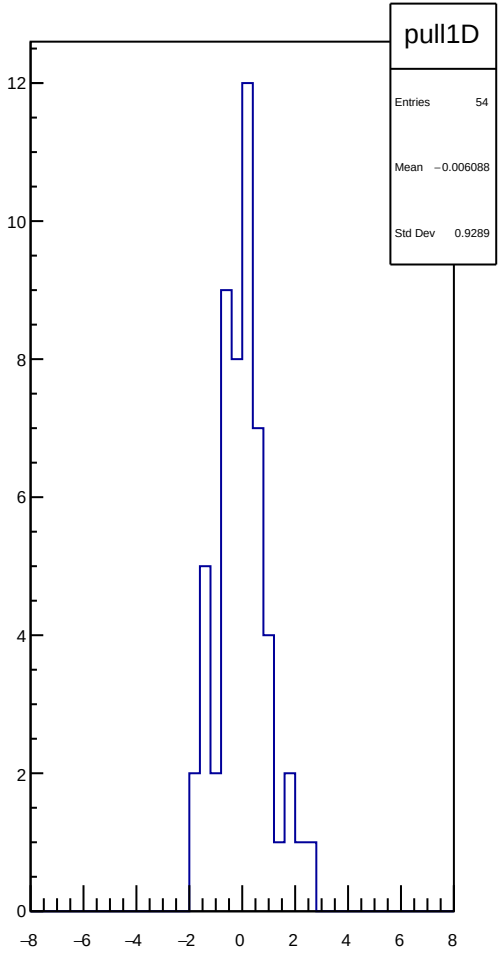

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2673 / 53
p0 4948 ± 4.9
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

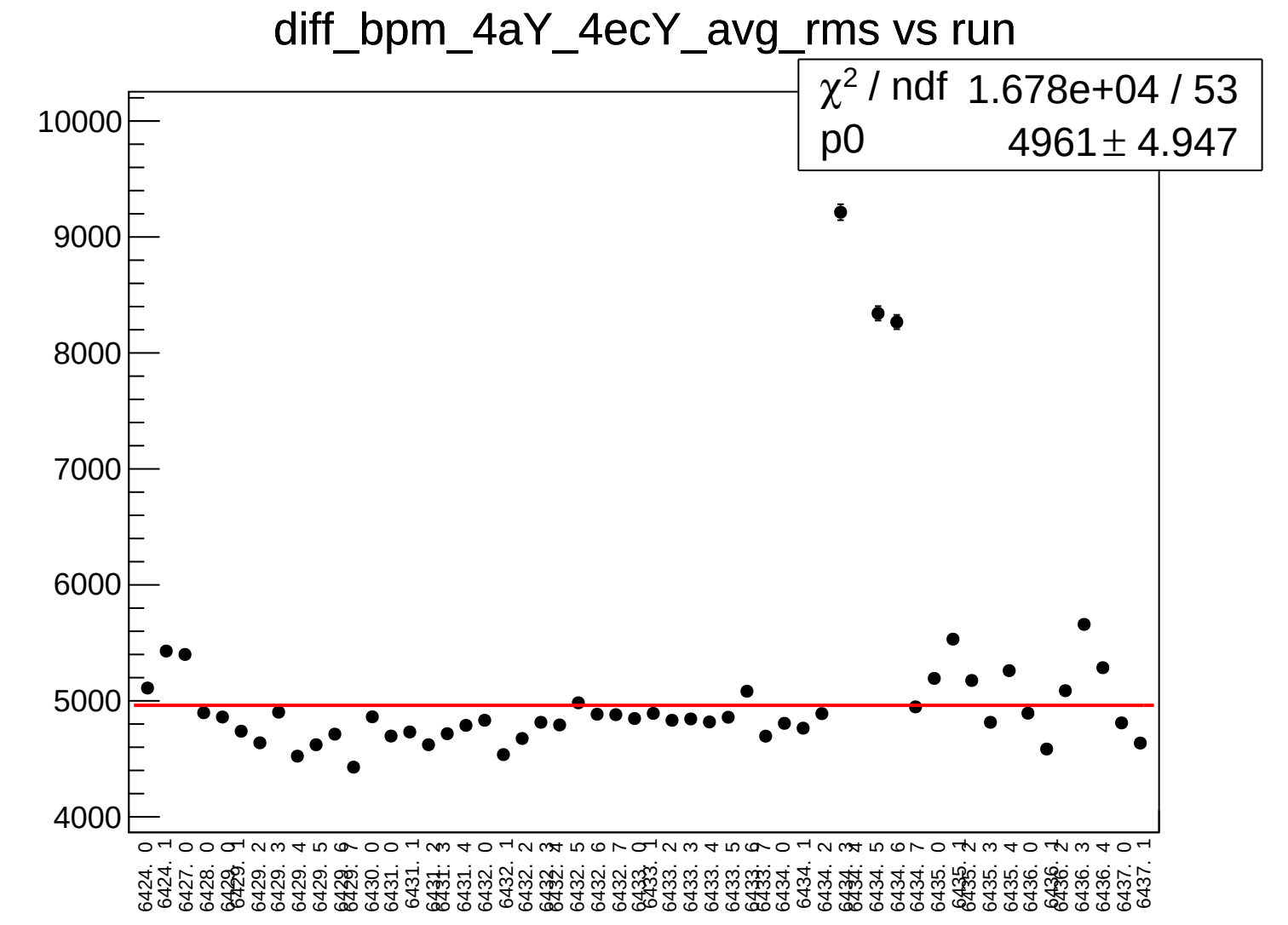

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 71.57 / 53
p0 −0.2018 ± 0.7878
pull
Entries 54
Mean 114.6
Std Dev 0

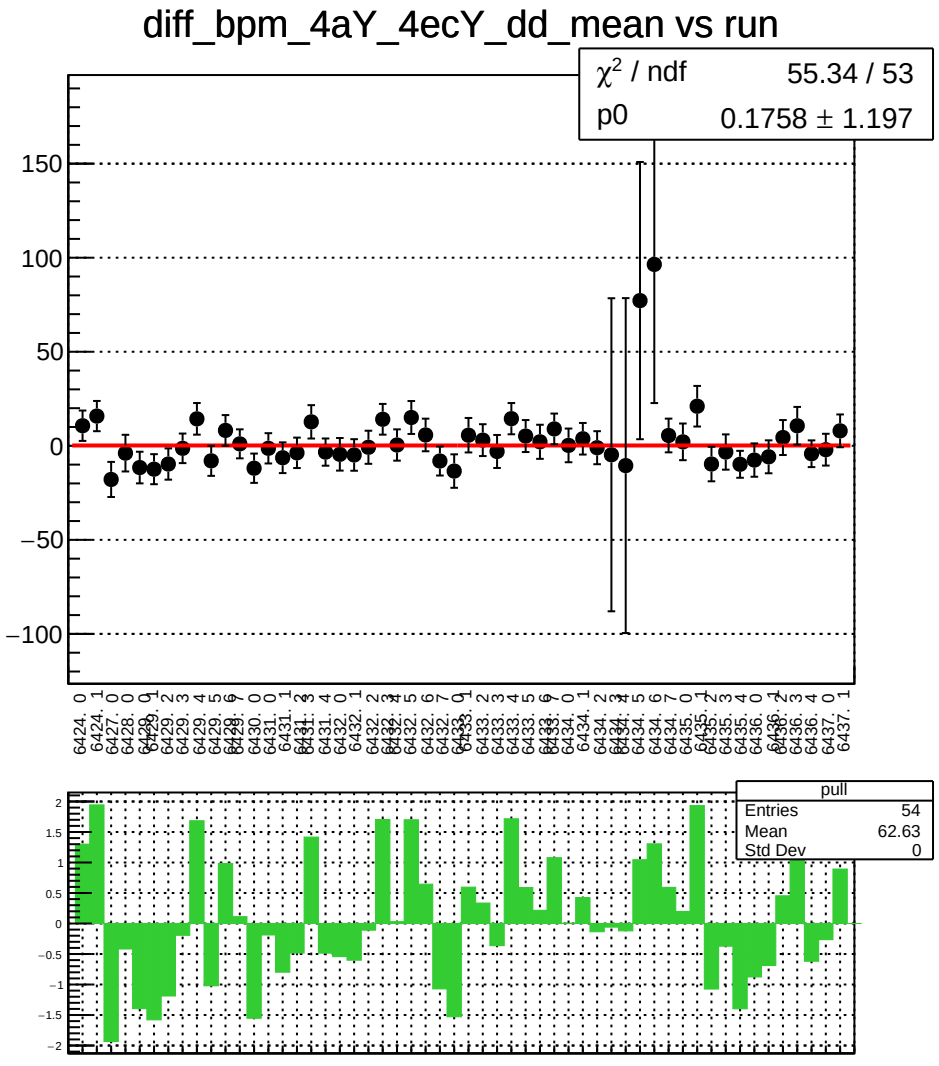

pull1D
Entries 54
Mean 0.02164
Std Dev 1.151

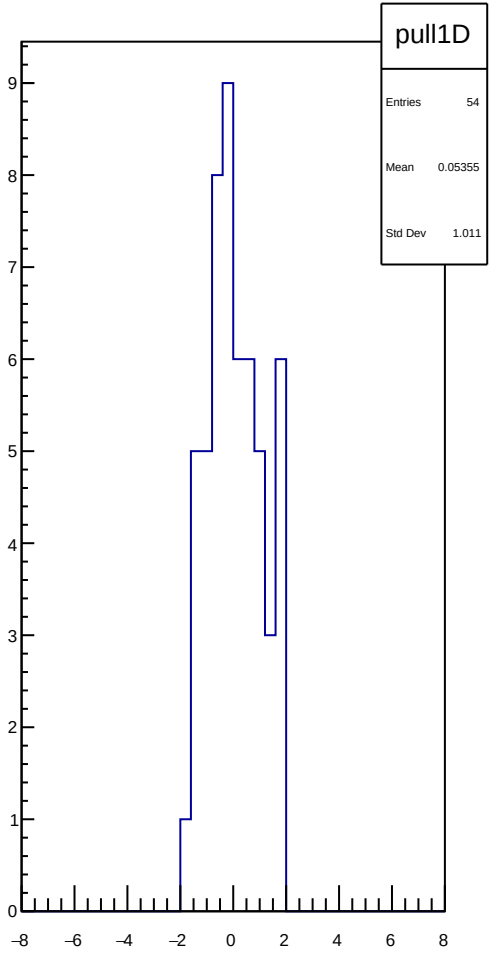

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 9525 / 53
p0 560.7 ± 0.557
800
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

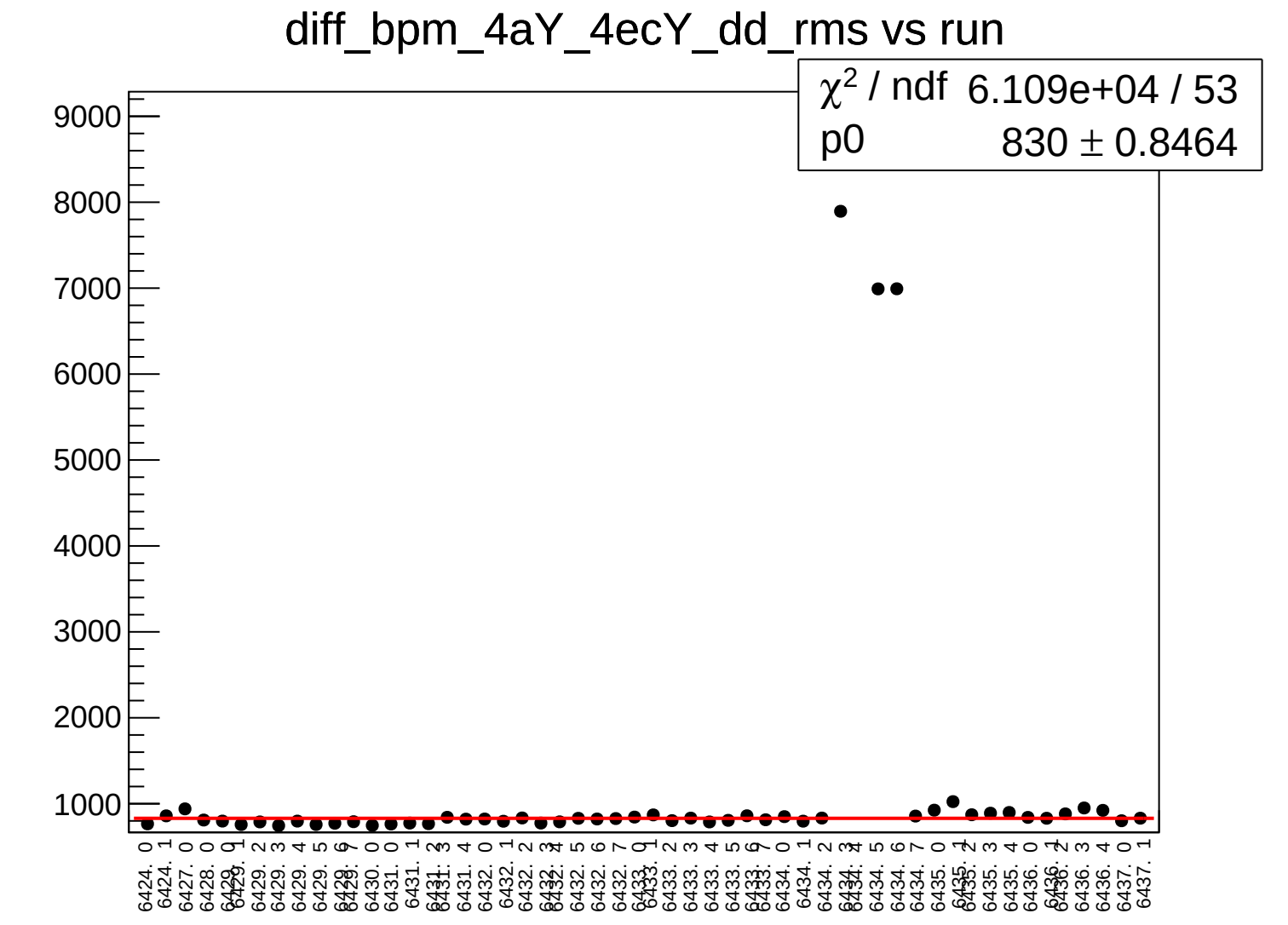

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 46.59 / 53
p0 7.066 ± 6.996
pull
Entries 54
Mean 407.3
Std Dev 0

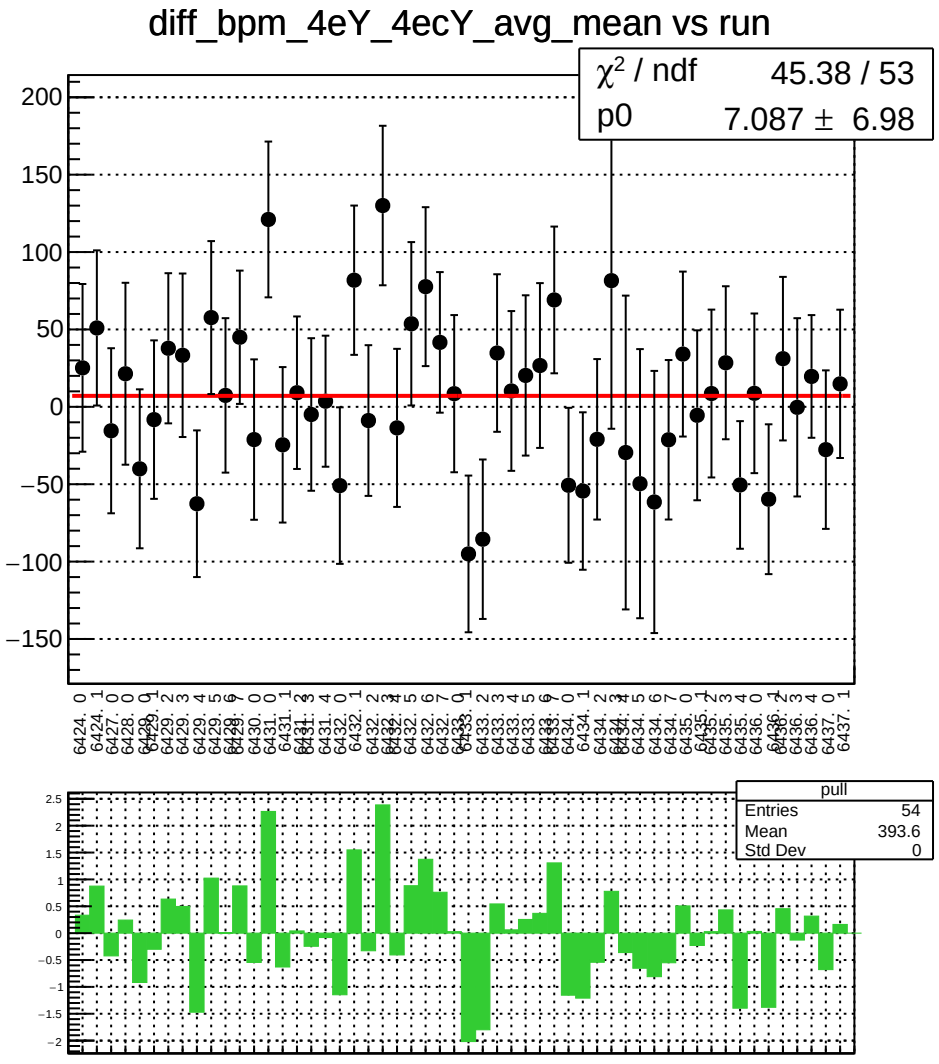

pull1D
Entries 54
Mean −0.006088
Std Dev 0.9289

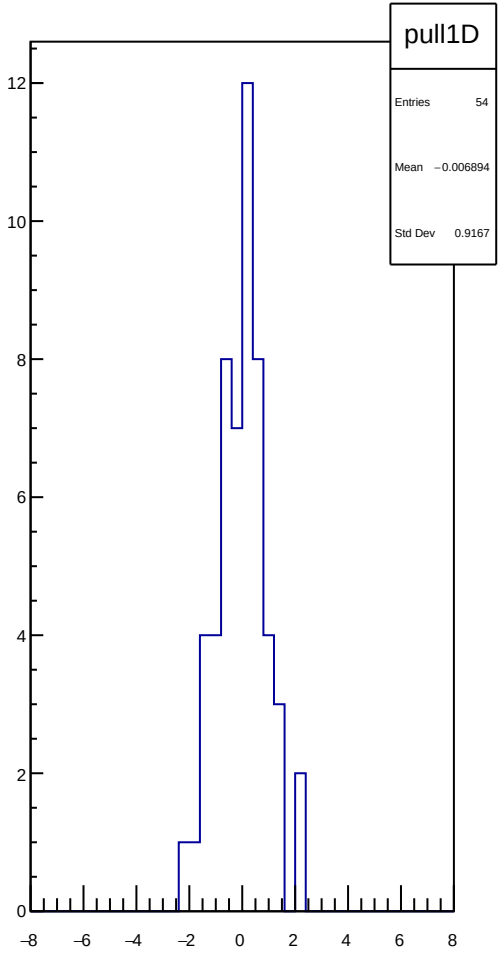

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1.678e+04 / 53
p0 4961 ± 4.947
10000
9000
8000
7000
6000
5000
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

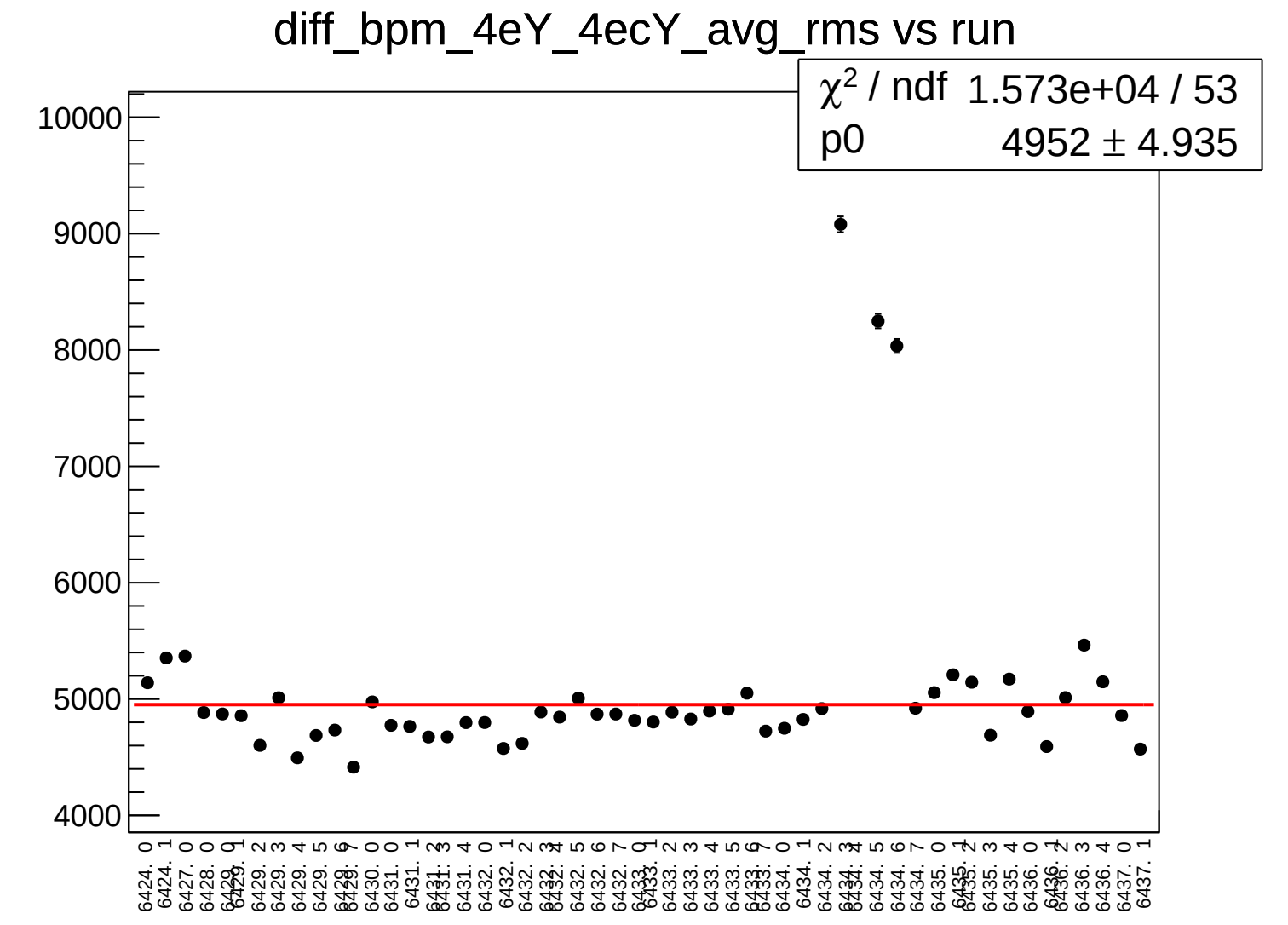

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 55.34 / 53
p0 0.1758 ± 1.197
150
100
50
0
−50
−100
pull
Entries 54
Mean 62.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

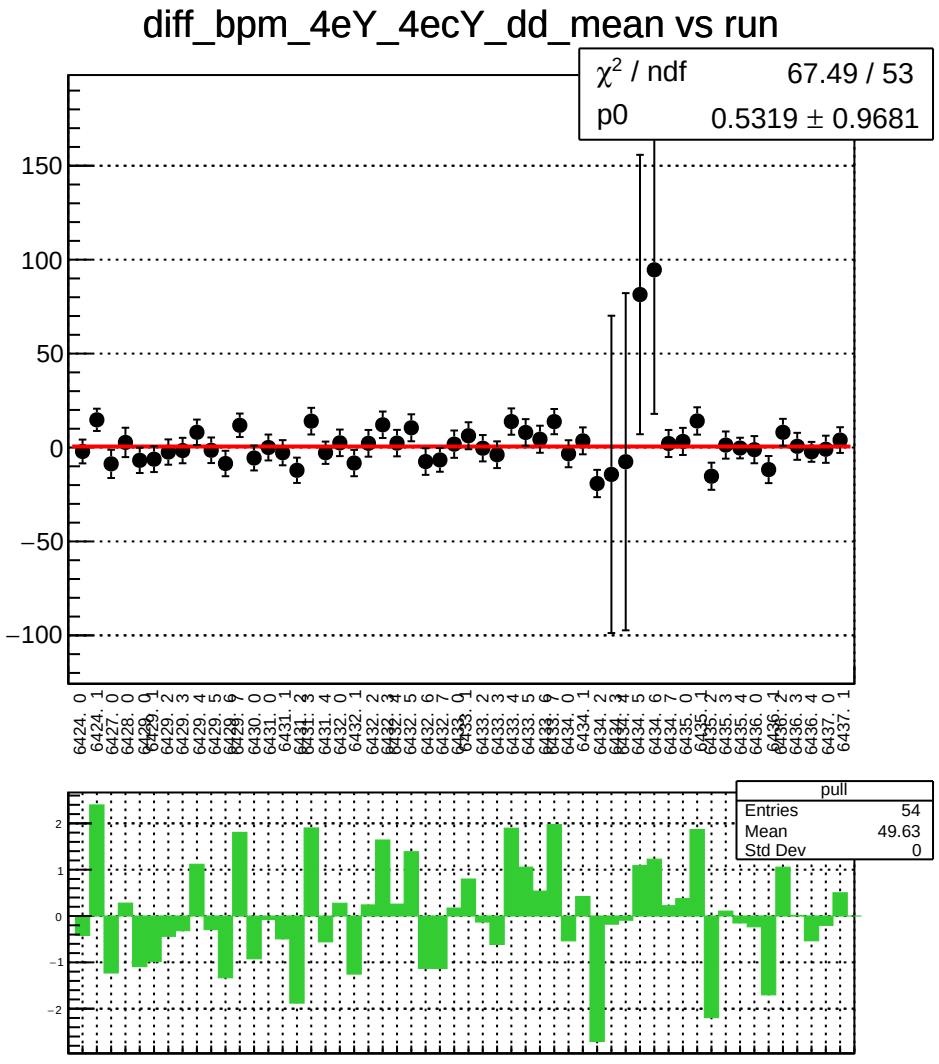

pull1D
Entries 54
Mean 0.05355
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

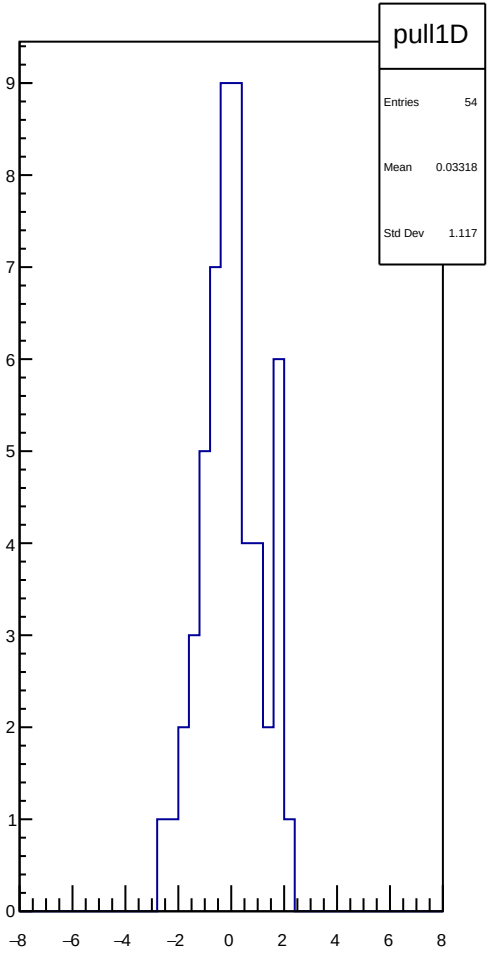

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 6.109e+04 / 53
p0 830 ± 0.8464
9000
8000
7000
6000
5000
4000
3000
2000
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

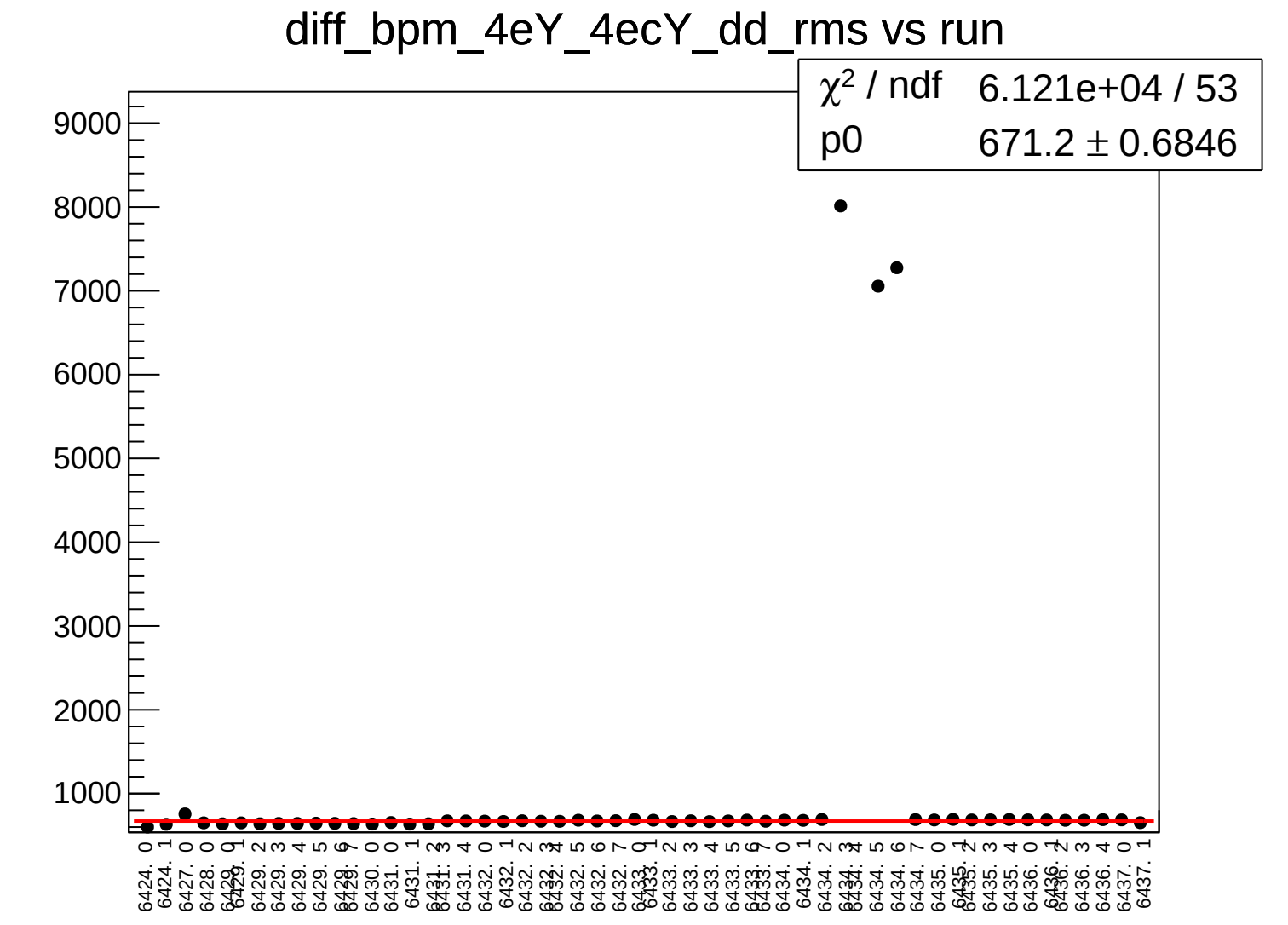

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 45.38 / 53
p0 7.087 ± 6.98
pull
Entries 54
Mean 393.6
Std Dev 0

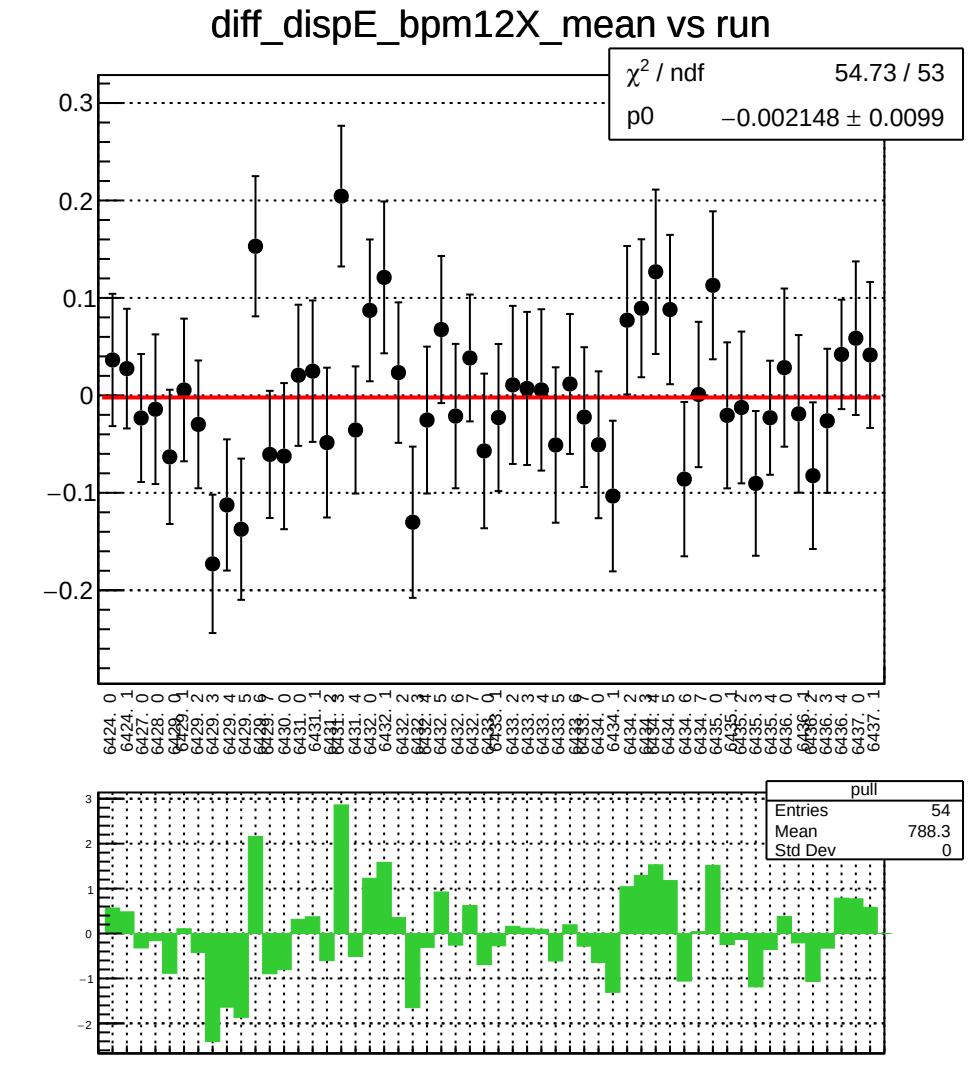

pull1D
Entries 54
Mean −0.006894
Std Dev 0.9167

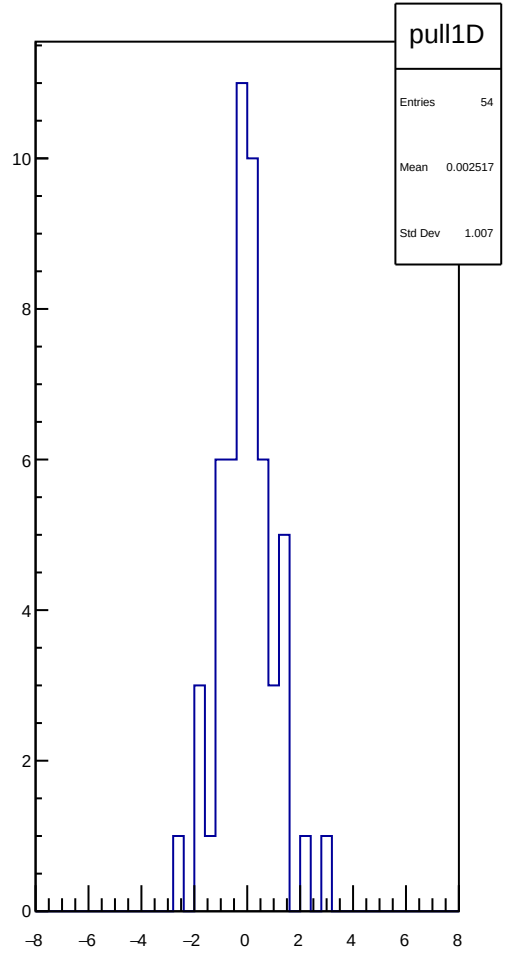

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1.573e+04 / 53
p0 4952 ± 4.935
10000
9000
8000
7000
6000
5000
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

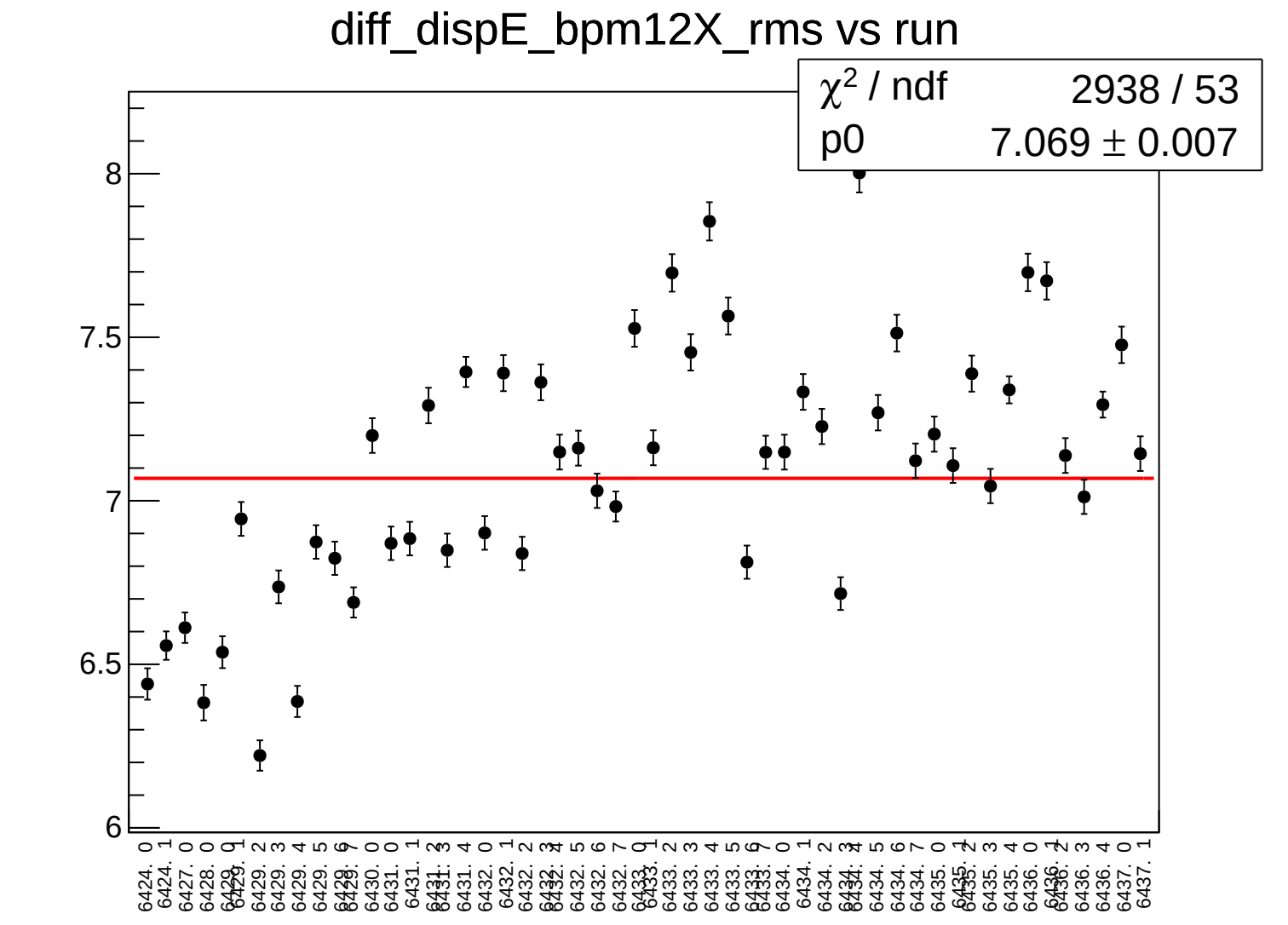

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 67.49 / 53
p0 0.5319 ± 0.9681
150
100
50
0
−50
−100
pull
Entries 54
Mean 49.63
Std Dev 0
2
1
0
−1
−2

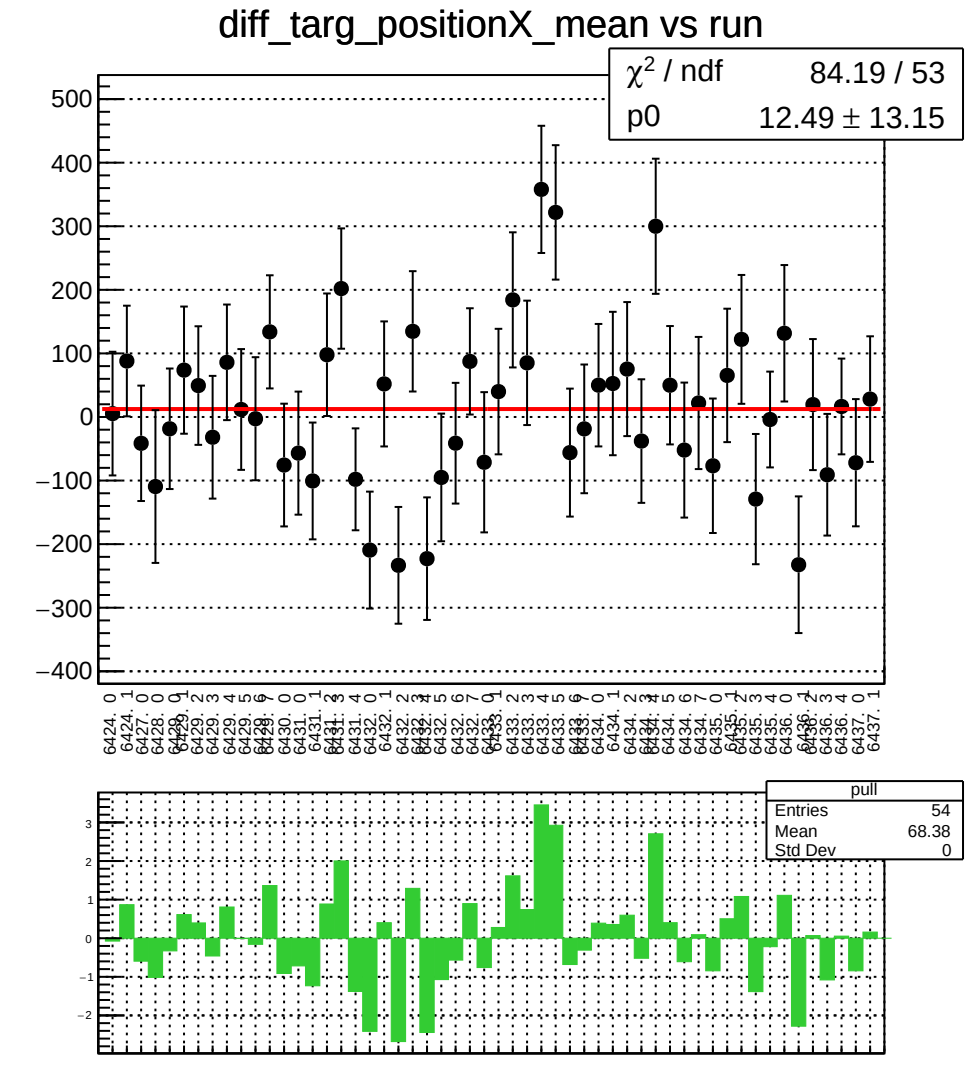

pull1D
Entries 54
Mean 0.03318
Std Dev 1.117
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

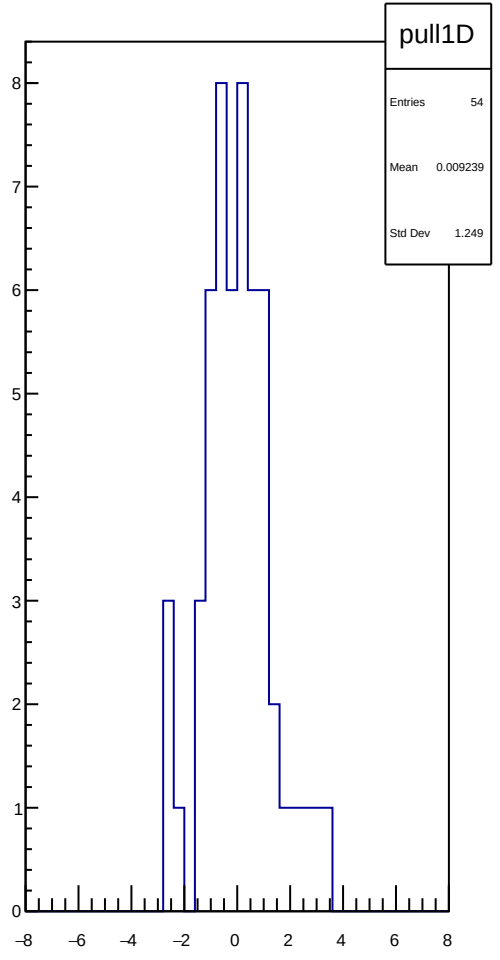

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 6.121e+04 / 53
p0 671.2 ± 0.6846
9000
8000
7000
6000
5000
4000
3000
2000
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

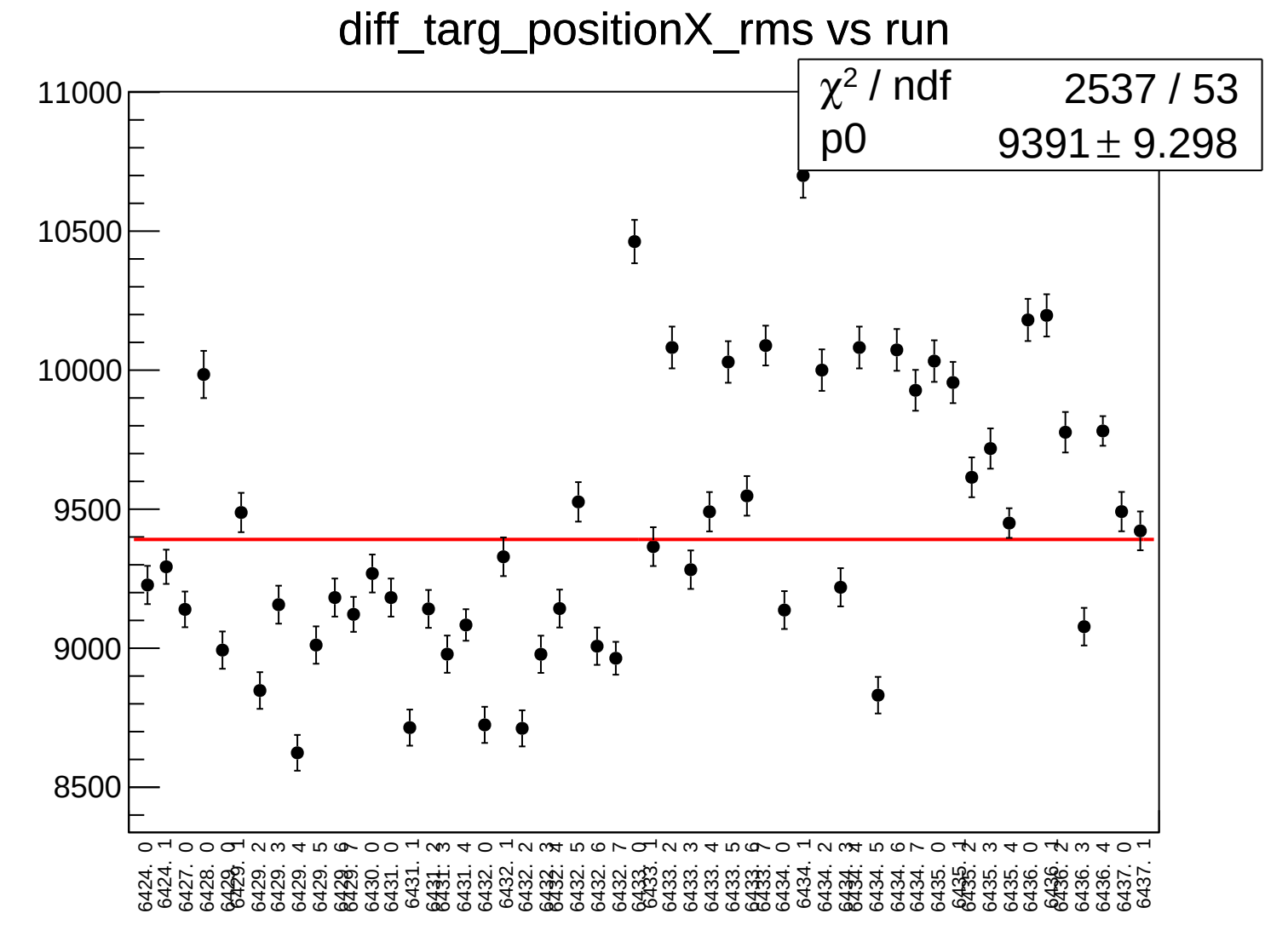

diff_dispE_bpm12X_mean vs run
χ² / ndf 54.73 / 53
p0 −0.002148 ± 0.0099
pull
Entries 54
Mean 788.3
Std Dev 0

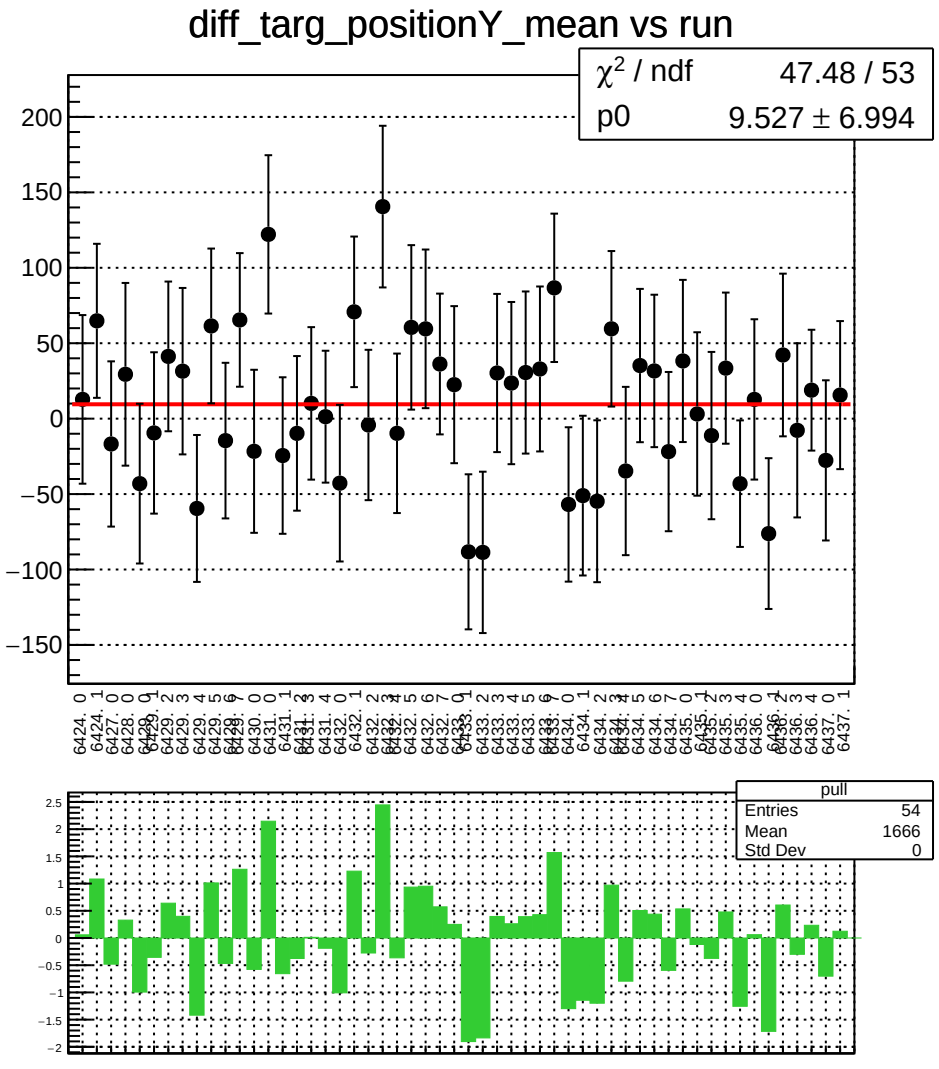

pull1D
Entries 54
Mean 0.002517
Std Dev 1.007

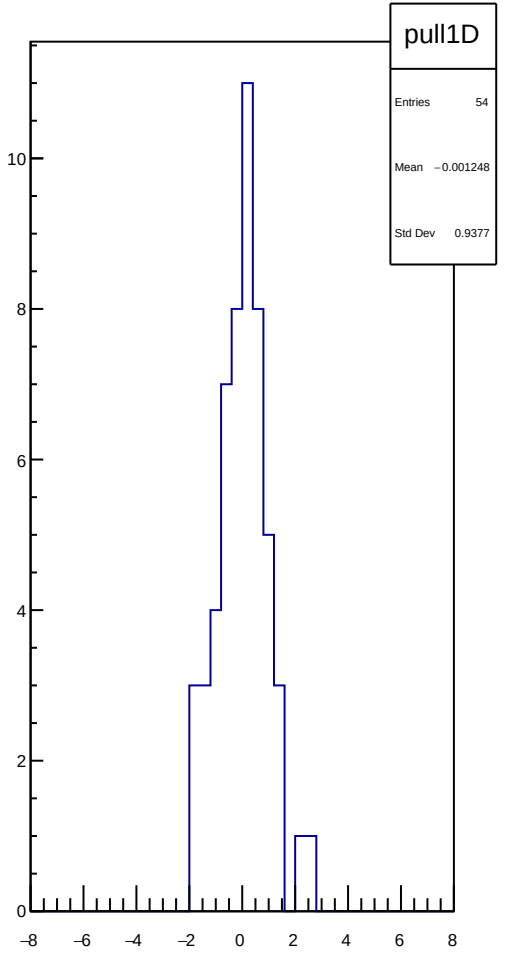

diff_dispE_bpm12X_rms vs run
χ² / ndf 2938 / 53
p0 7.069 ± 0.007
8
7.5
7
6.5
6

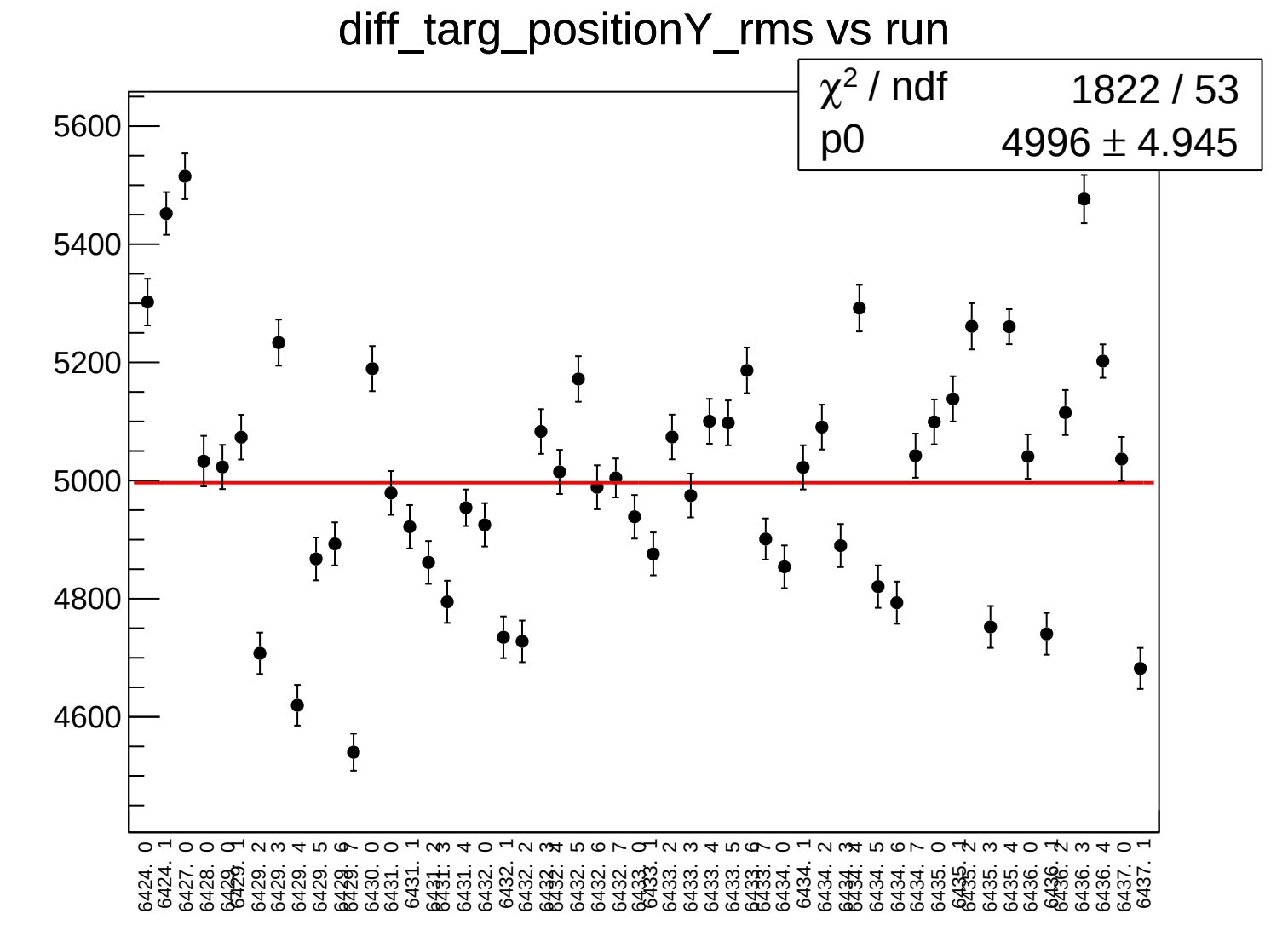

diff_targ_positionX_mean vs run
χ^2 / ndf 84.19 / 53
p0 12.49 ± 13.15
pull
Entries 54
Mean 68.38
Std Dev 0

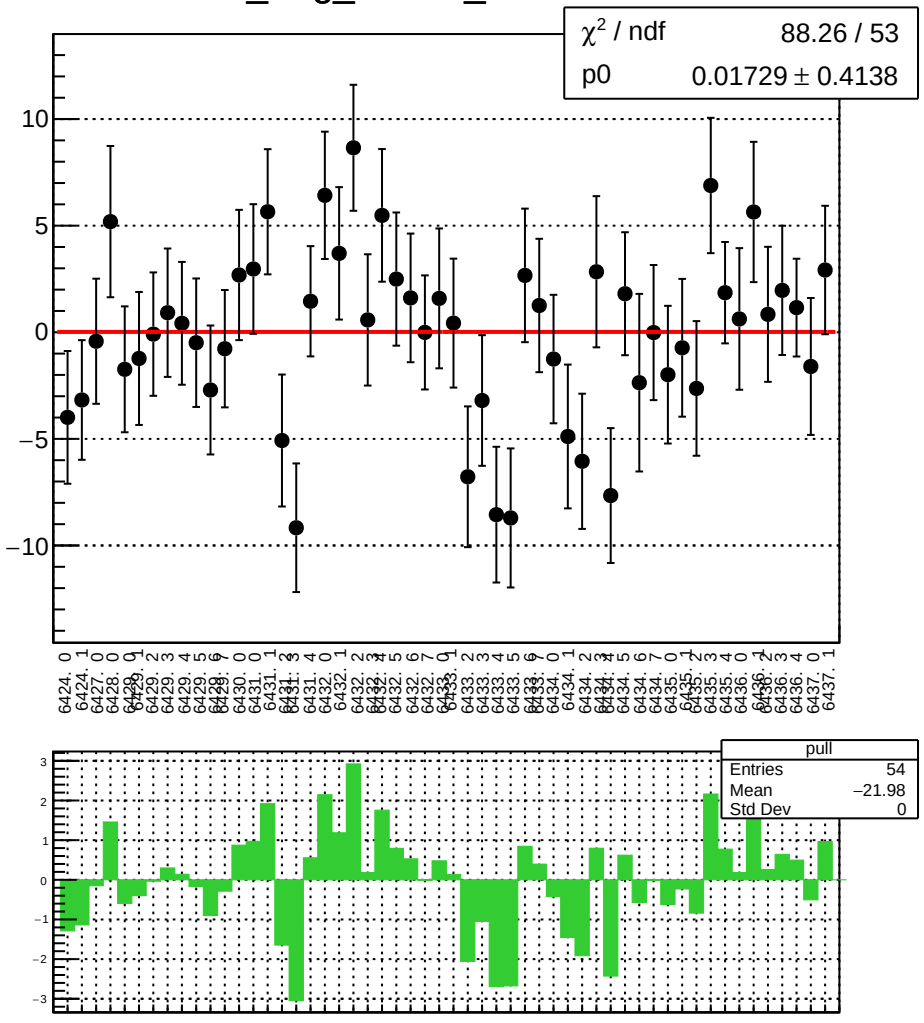

pull1D
Entries 54
Mean 0.009239
Std Dev 1.249

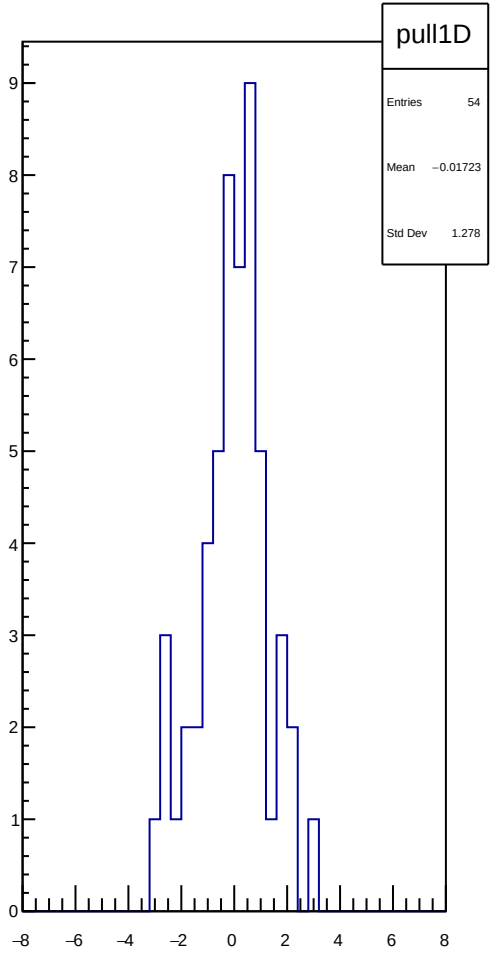

diff_targ_positionX_rms vs run
χ² / ndf 2537 / 53
p0 9391 ± 9.298
11000
10500
10000
9500
9000
8500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

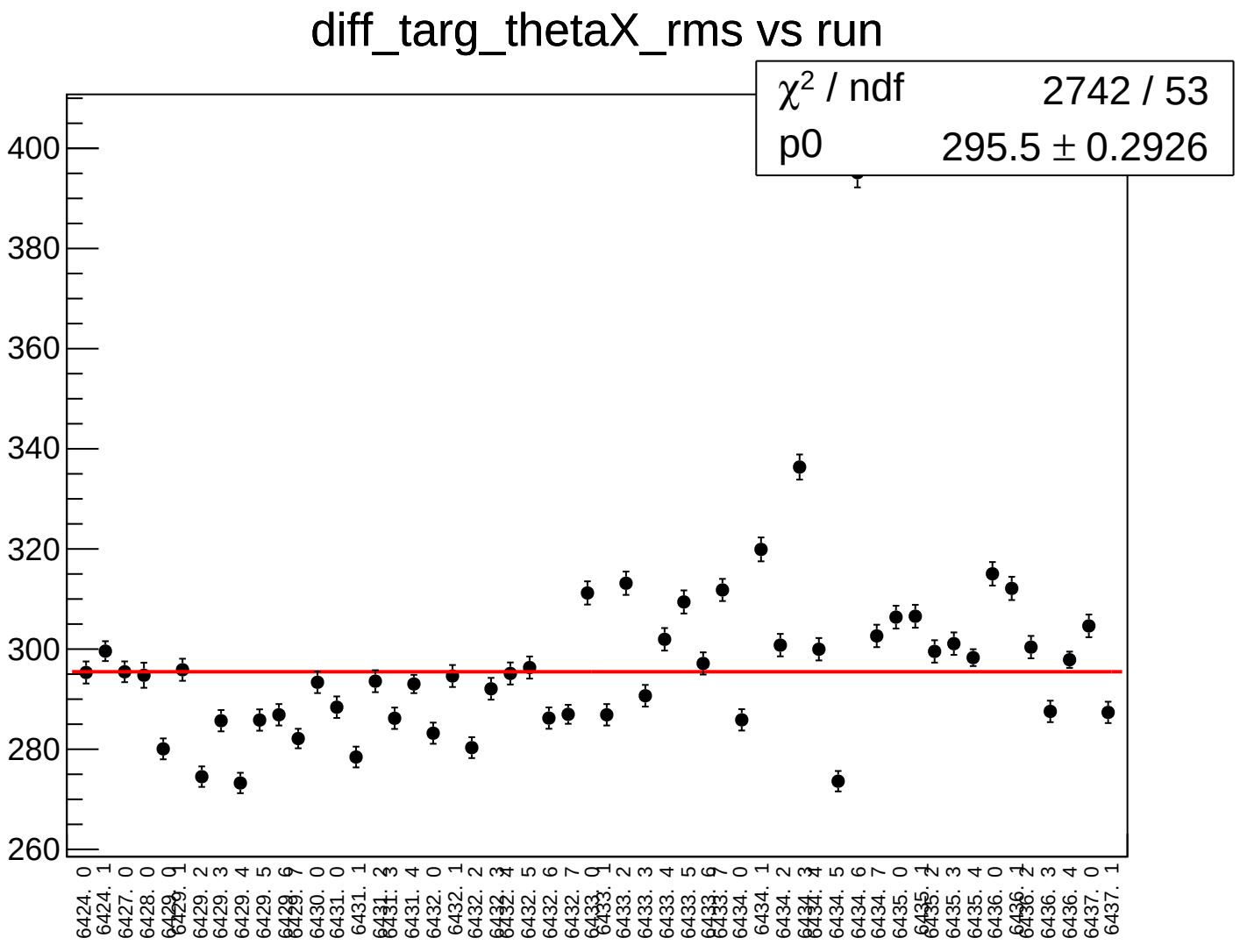

diff_targ_positionY_mean vs run
χ² / ndf 47.48 / 53
p0 9.527 ± 6.994
pull
Entries 54
Mean 1666
Std Dev 0


pull1D
Entries 54
Mean −0.001248
Std Dev 0.9377


diff_targ_positionY_rms vs run
χ² / ndf 1822 / 53
p0 4996 ± 4.945
5600
5400
5200
5000
4800
4600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


diff_targ_thetaX_mean vs run
χ² / ndf 88.26 / 53
p0 0.01729 ± 0.4138
pull
Entries 54
Mean −21.98
Std Dev 0


pull1D
Entries 54
Mean −0.01723
Std Dev 1.278


diff_targ_thetaX_rms vs run
χ² / ndf 2742 / 53
p0 295.5 ± 0.2926
400
380
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
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6434. 5
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6435. 1
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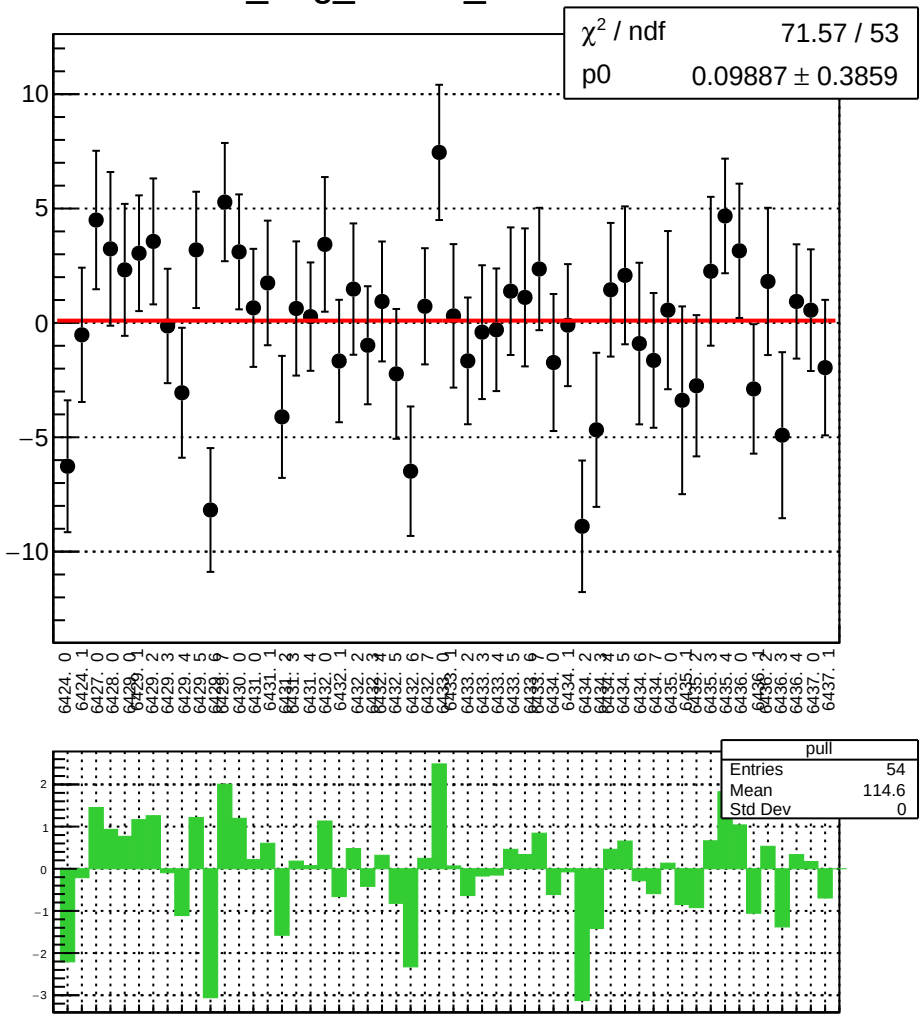
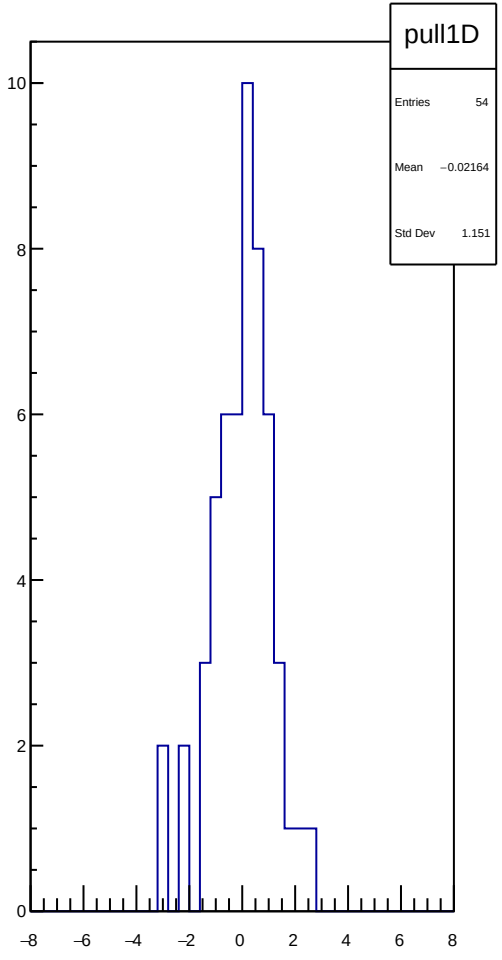
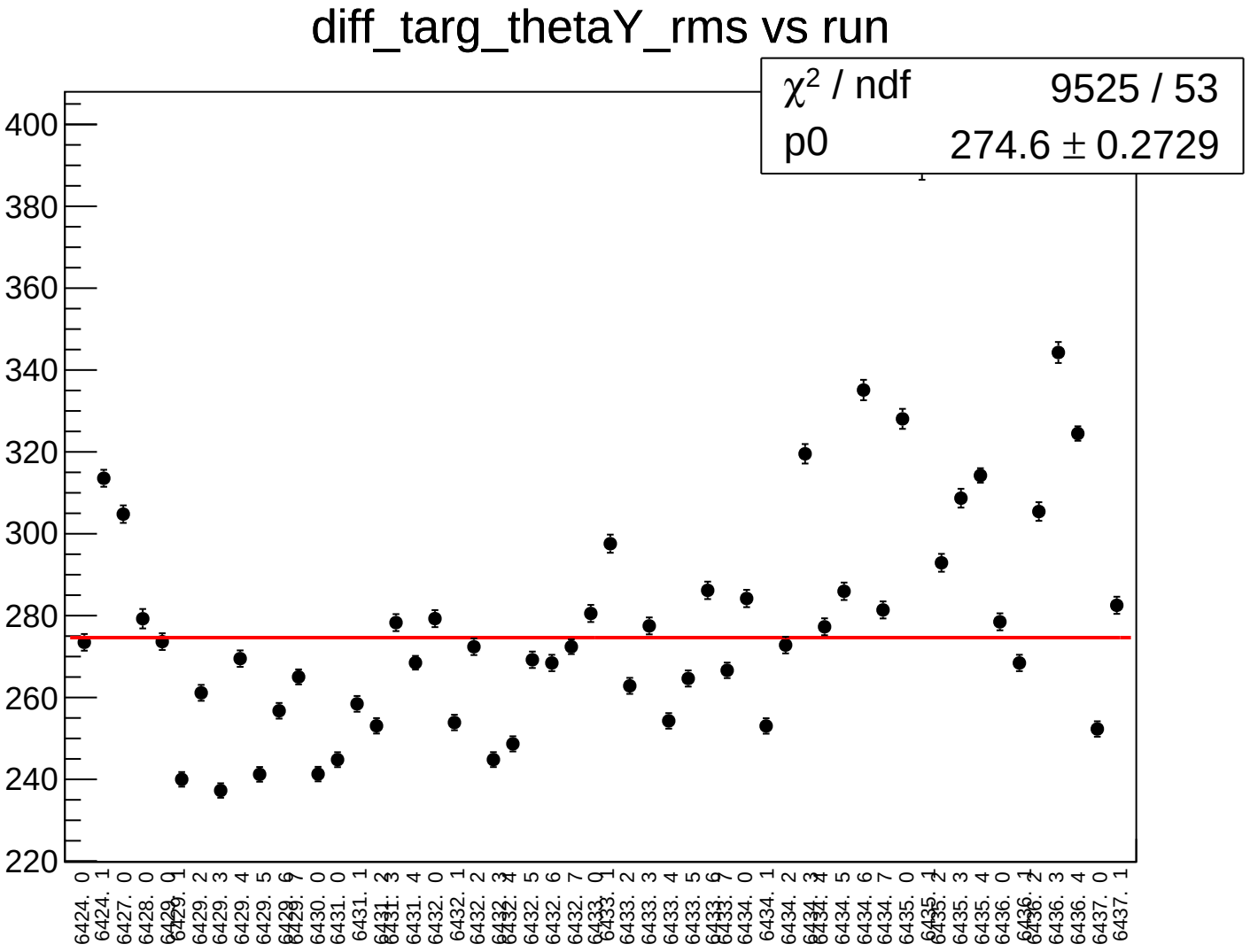
6436. 3
6436. 4
6437. 0
6437. 1


diff_targ_thetaY_mean vs run
χ² / ndf 71.57 / 53
p0 0.09887 ± 0.3859
pull
Entries 54
Mean 114.6
Std Dev 0


pull1D
Entries 54
Mean −0.02164
Std Dev 1.151


diff_targ_thetaY_rms vs run
χ² / ndf 9525 / 53
p0 274.6 ± 0.2729
400
380
360
340
320
300
280
260
240
220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 3
6433. 4
6433. 5
6434. 0
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6434. 2
6434. 5
6434. 6
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6435. 2
6435. 3
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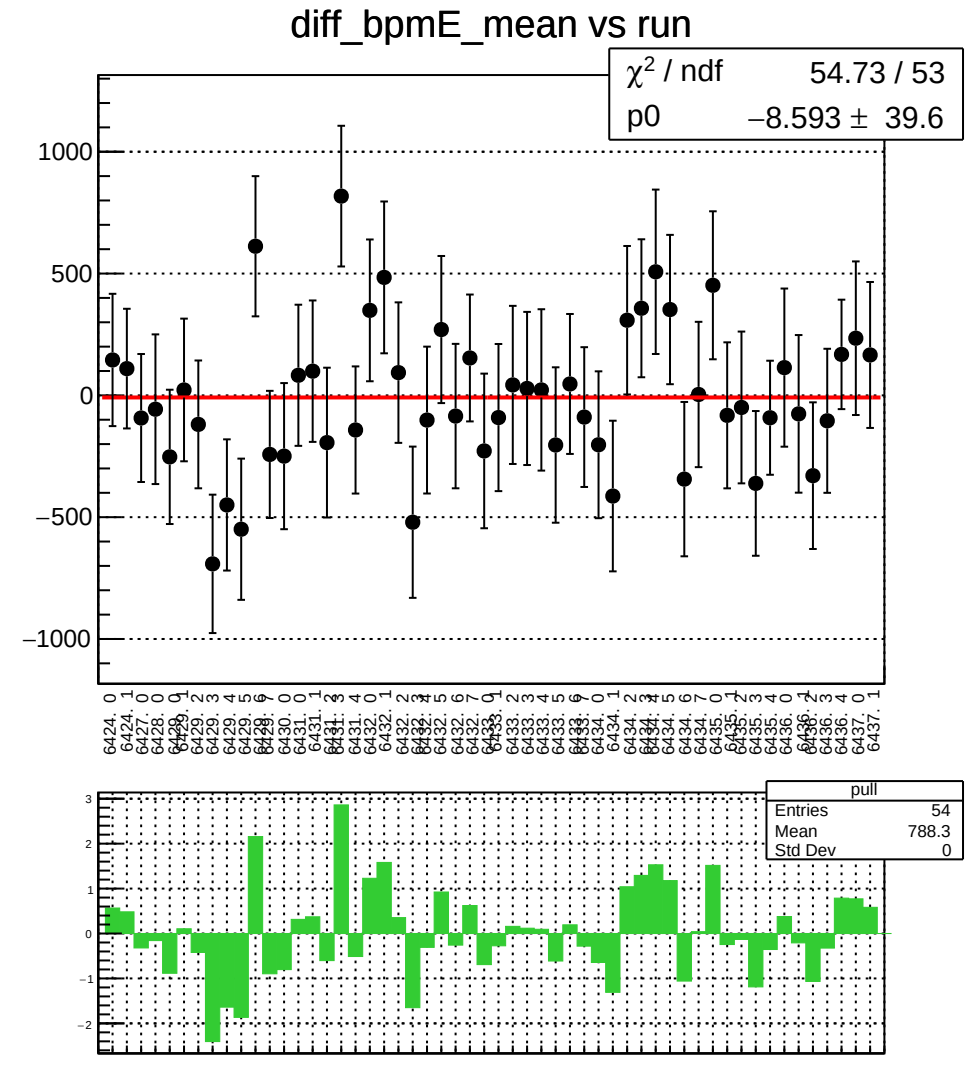
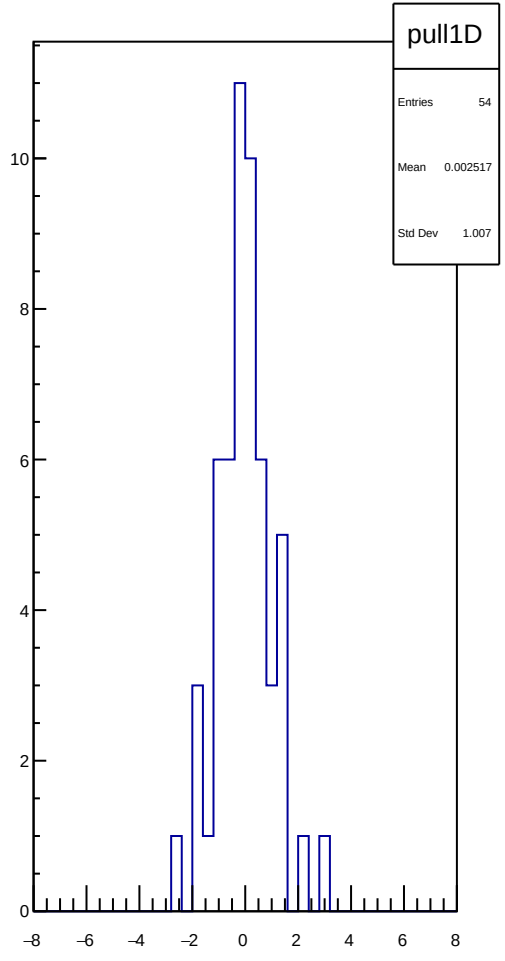
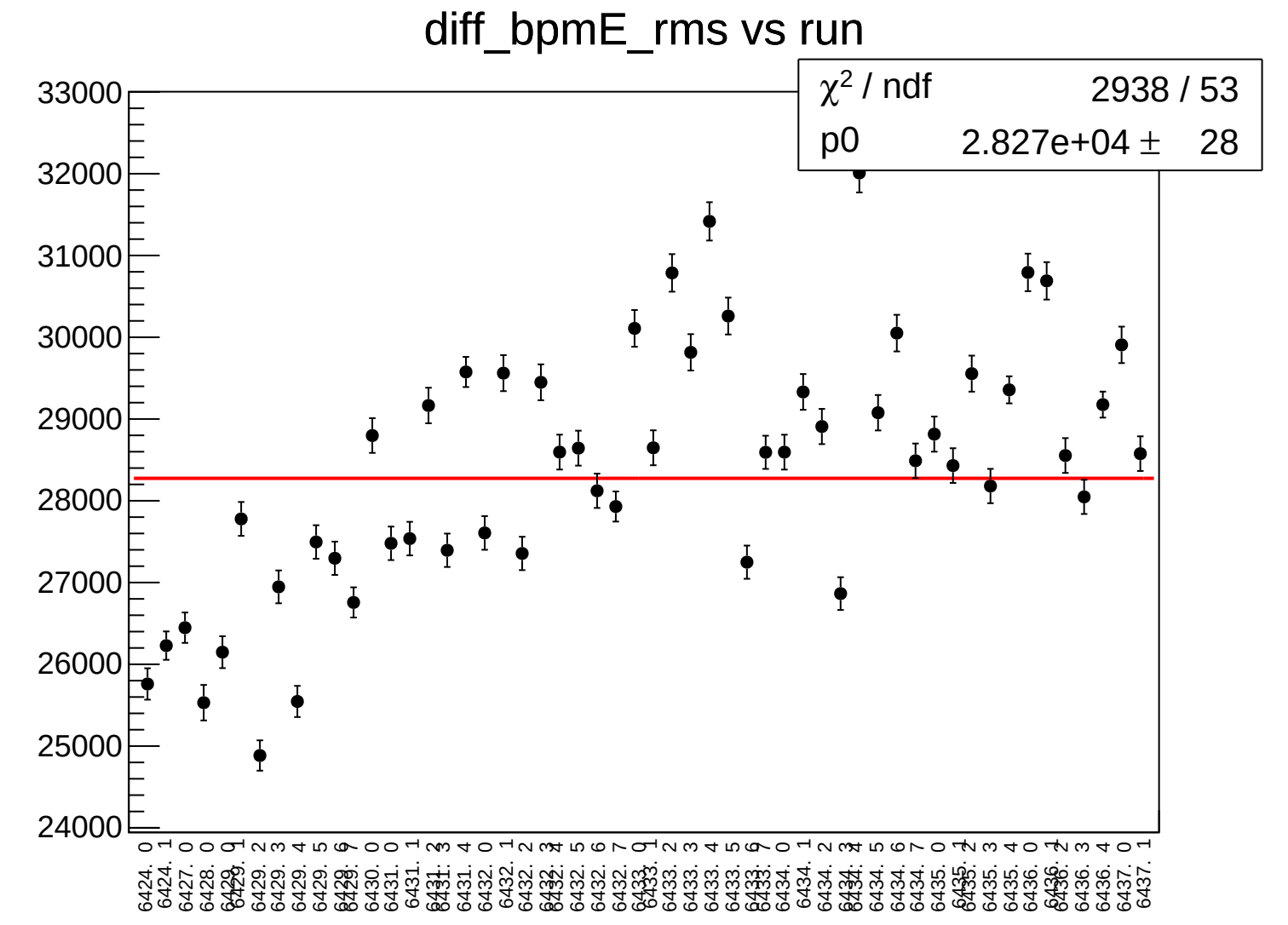
6436. 3
6436. 4
6437. 0
6437. 1


diff_bpmE_mean vs run
χ² / ndf 54.73 / 53
p0 −8.593 ± 39.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 788.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002517
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmE_rms vs run
χ² / ndf 2938 / 53
p0 2.827e+04 ± 28
33000
32000
31000
30000
29000
28000
27000
26000
25000
24000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
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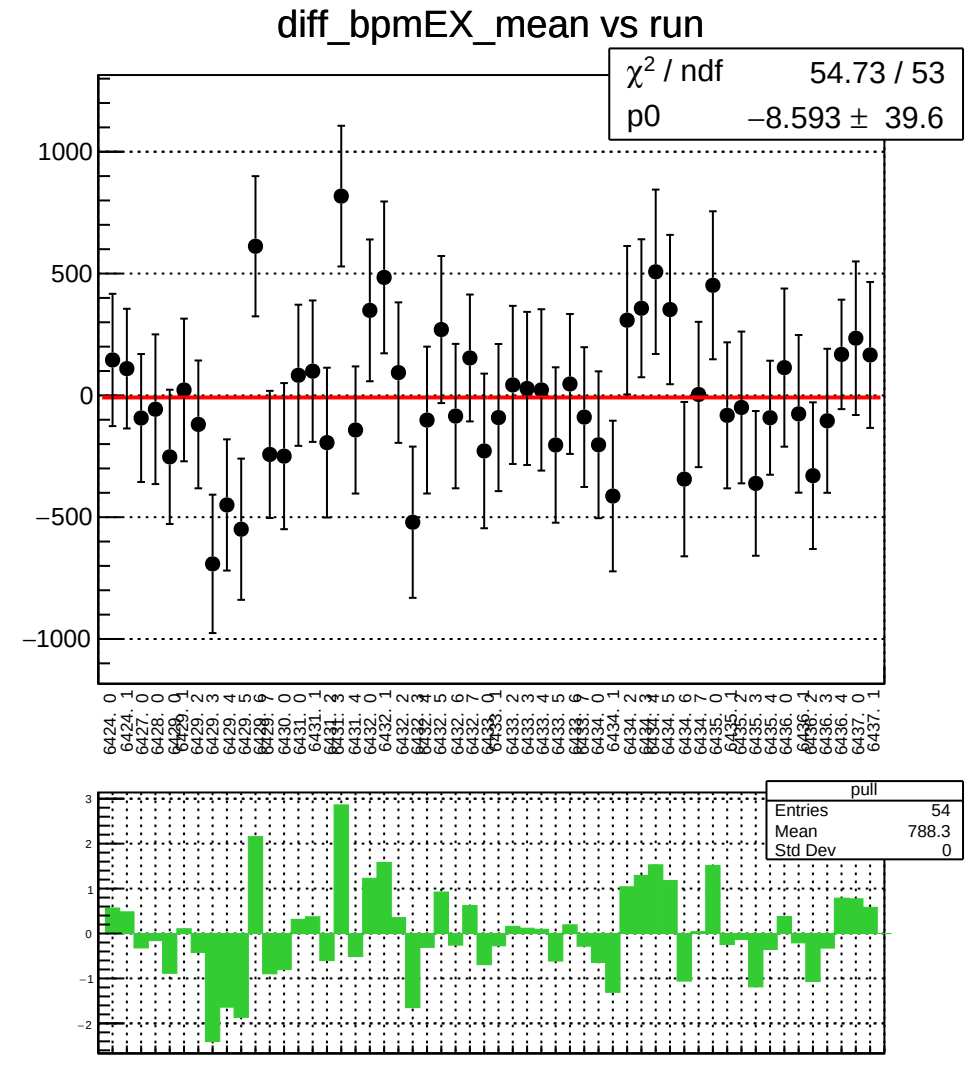
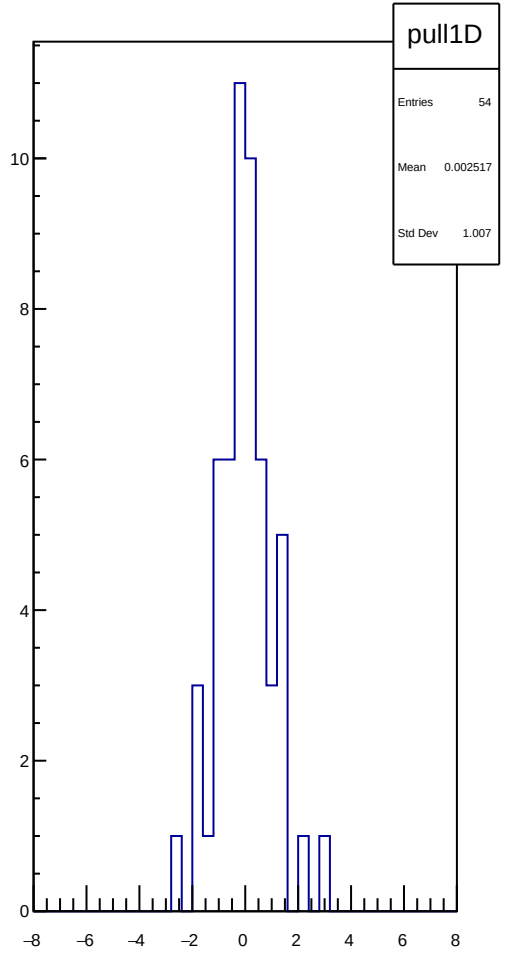
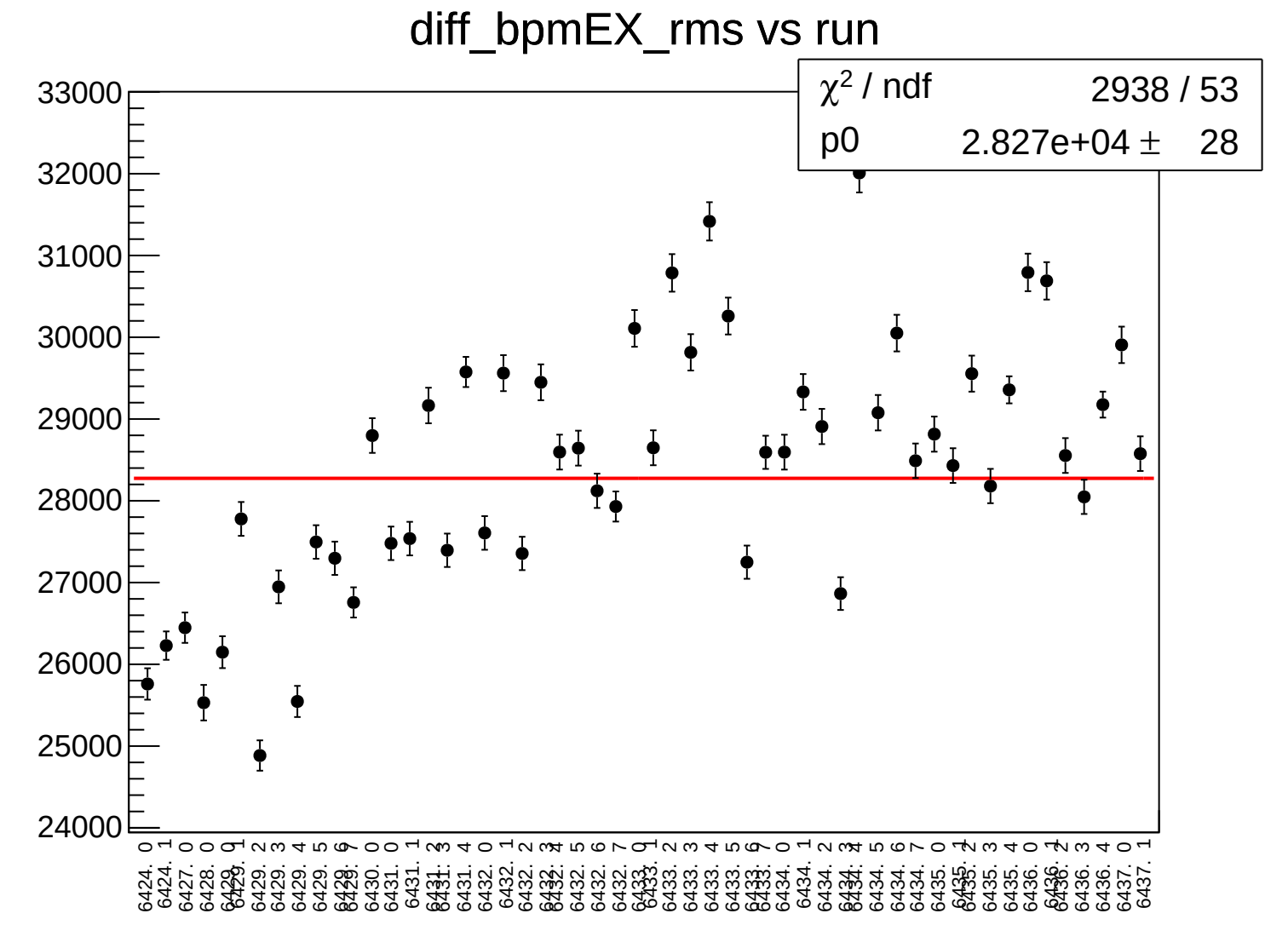
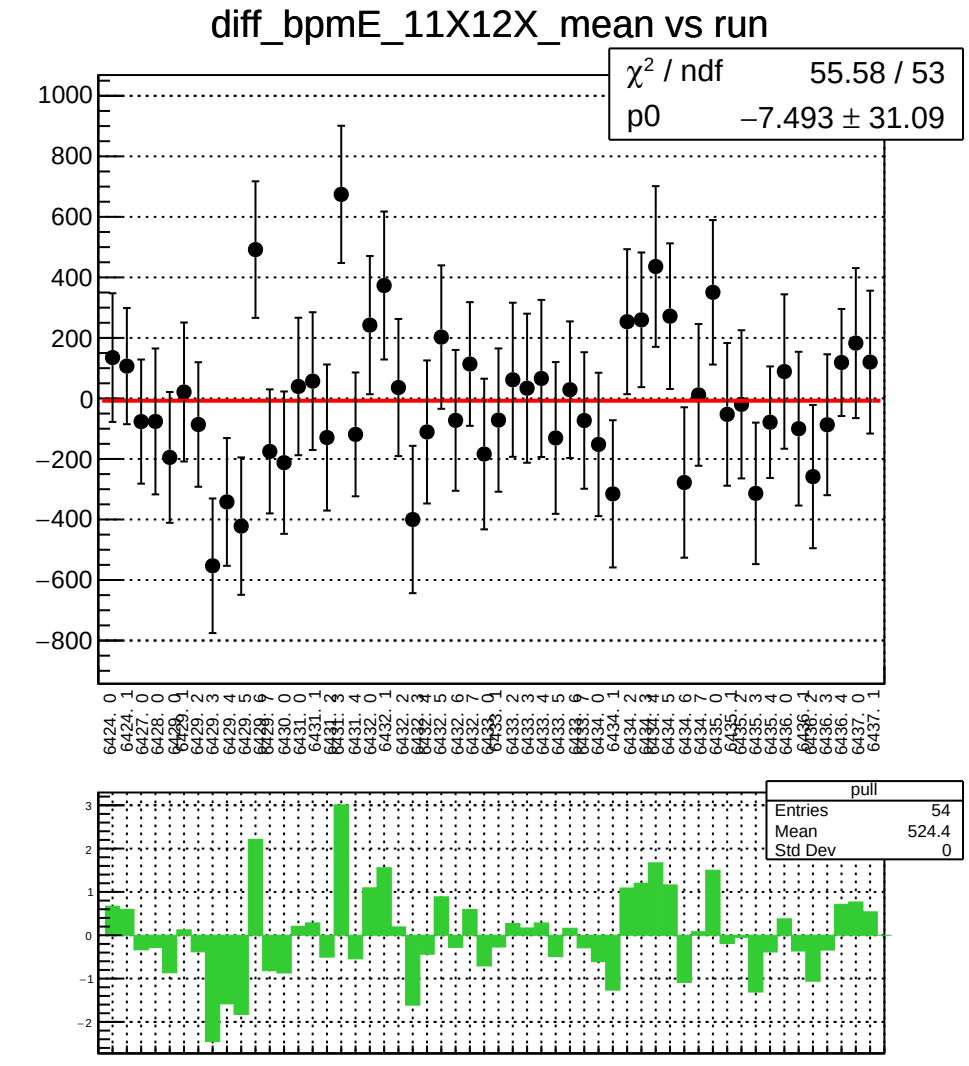
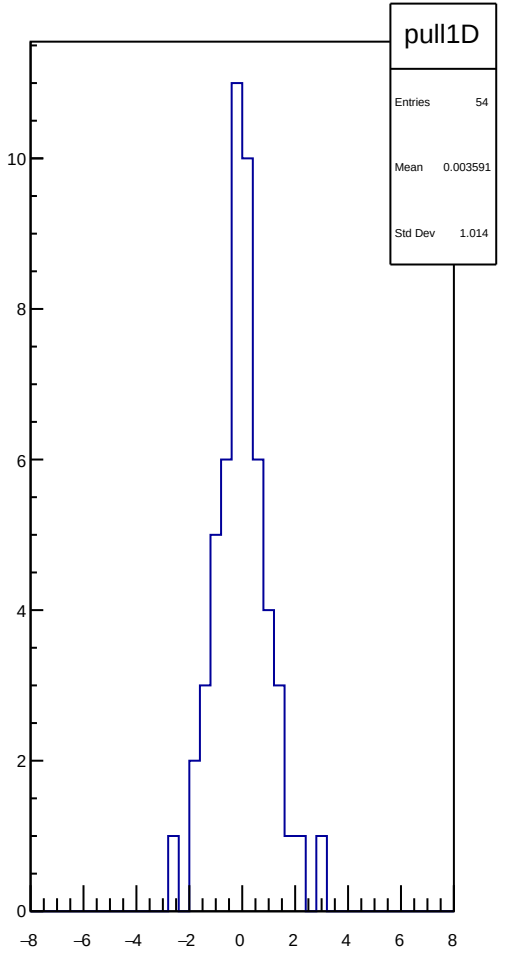
6437. 0
6437. 1

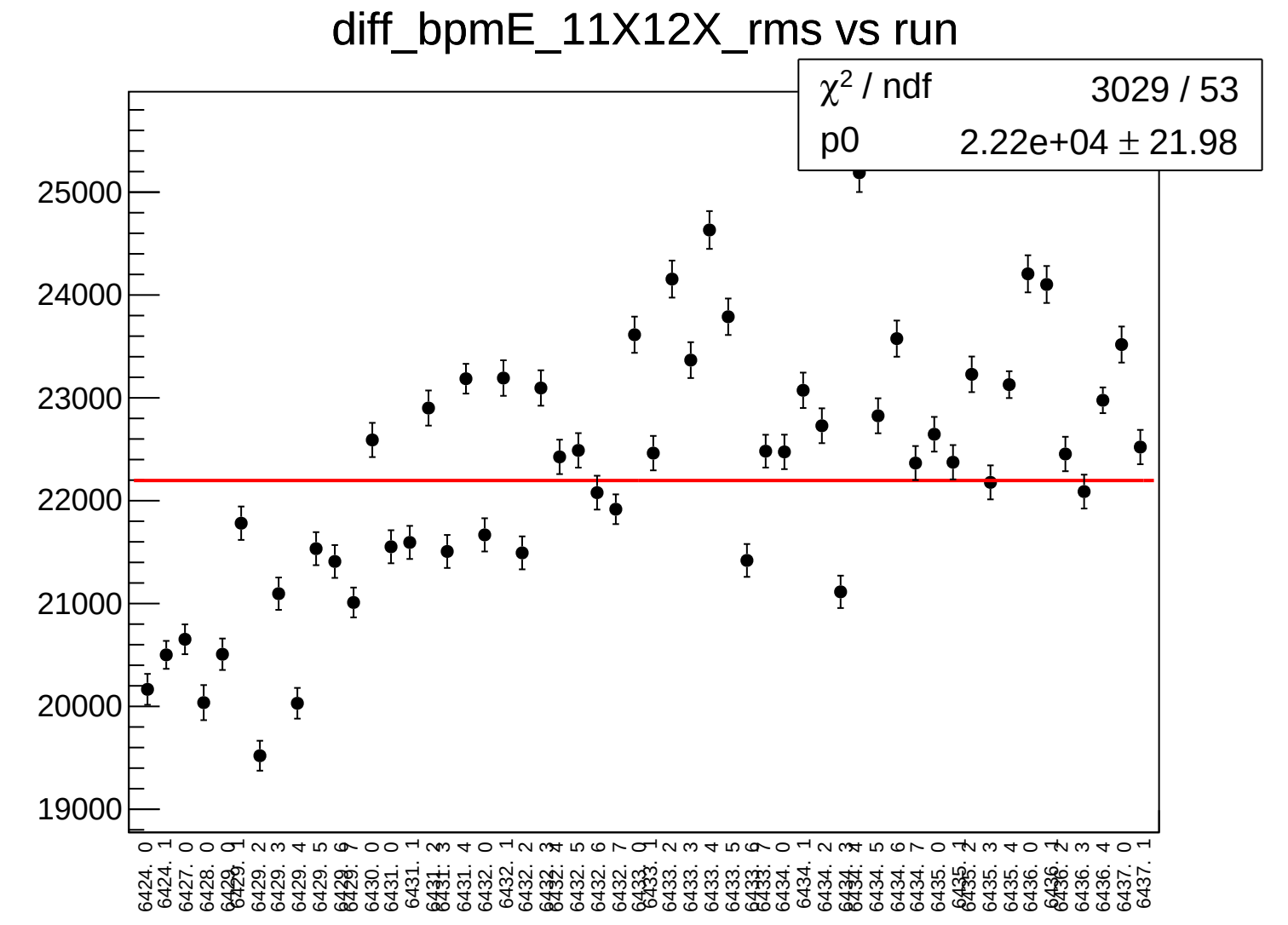

diff_bpmEX_mean vs run
χ² / ndf 54.73 / 53
p0 −8.593 ± 39.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 788.3
Std Dev 0
3
2
1
0
−1
−2

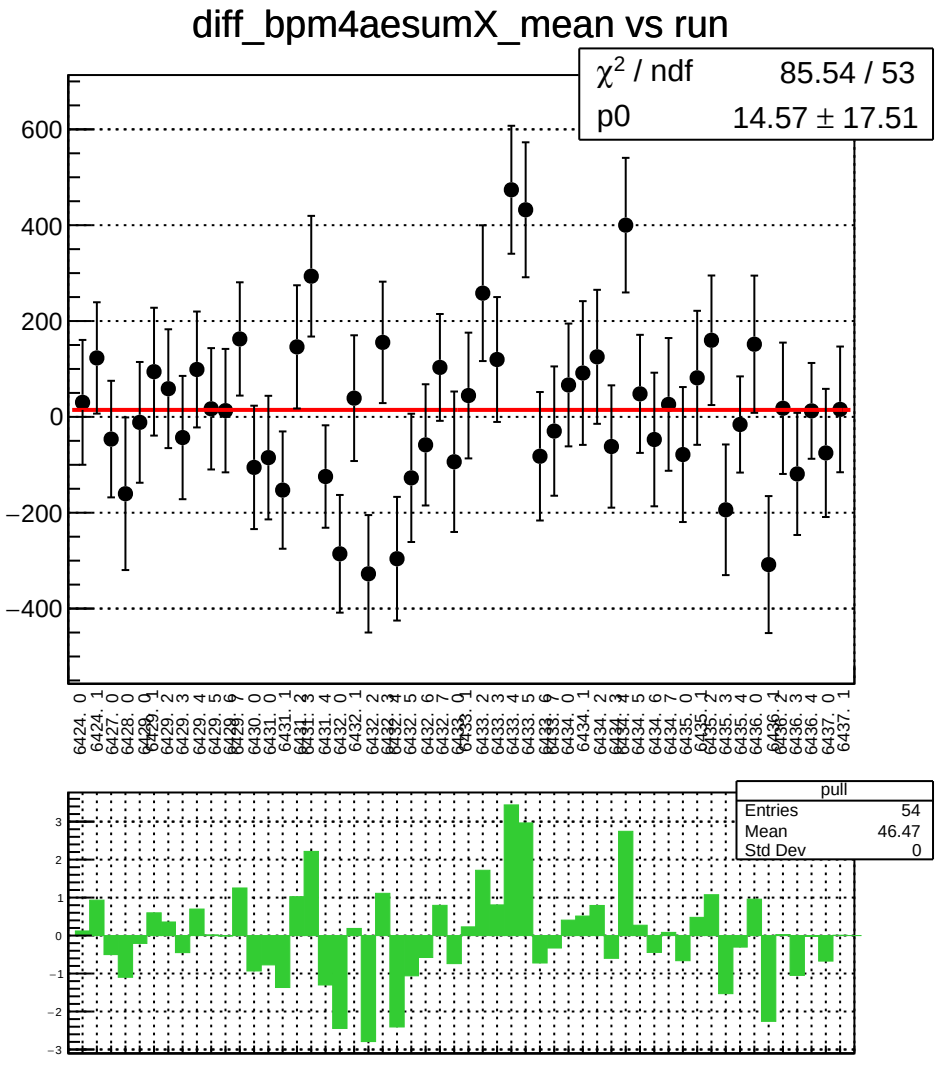

pull1D
Entries 54
Mean 0.002517
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

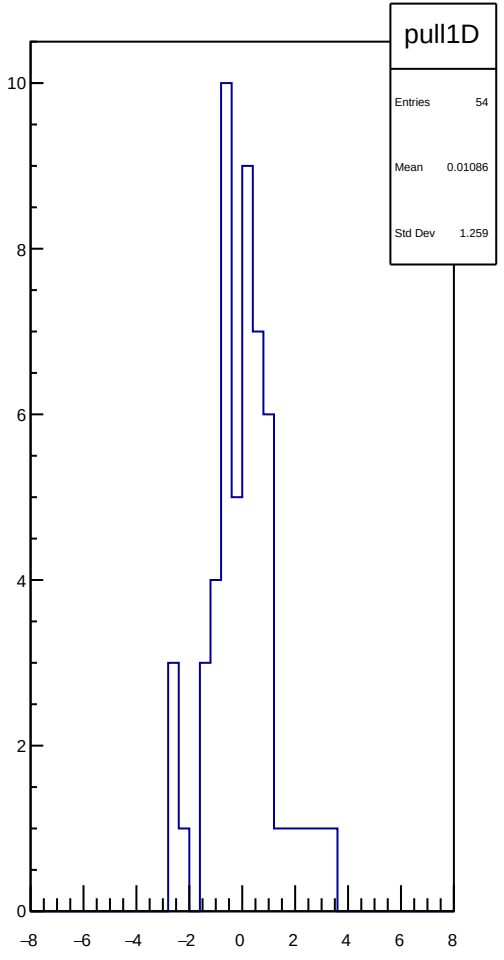

diff_bpmEX_rms vs run
χ² / ndf 2938 / 53
p0 2.827e+04 ± 28
33000
32000
31000
30000
29000
28000
27000
26000
25000
24000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

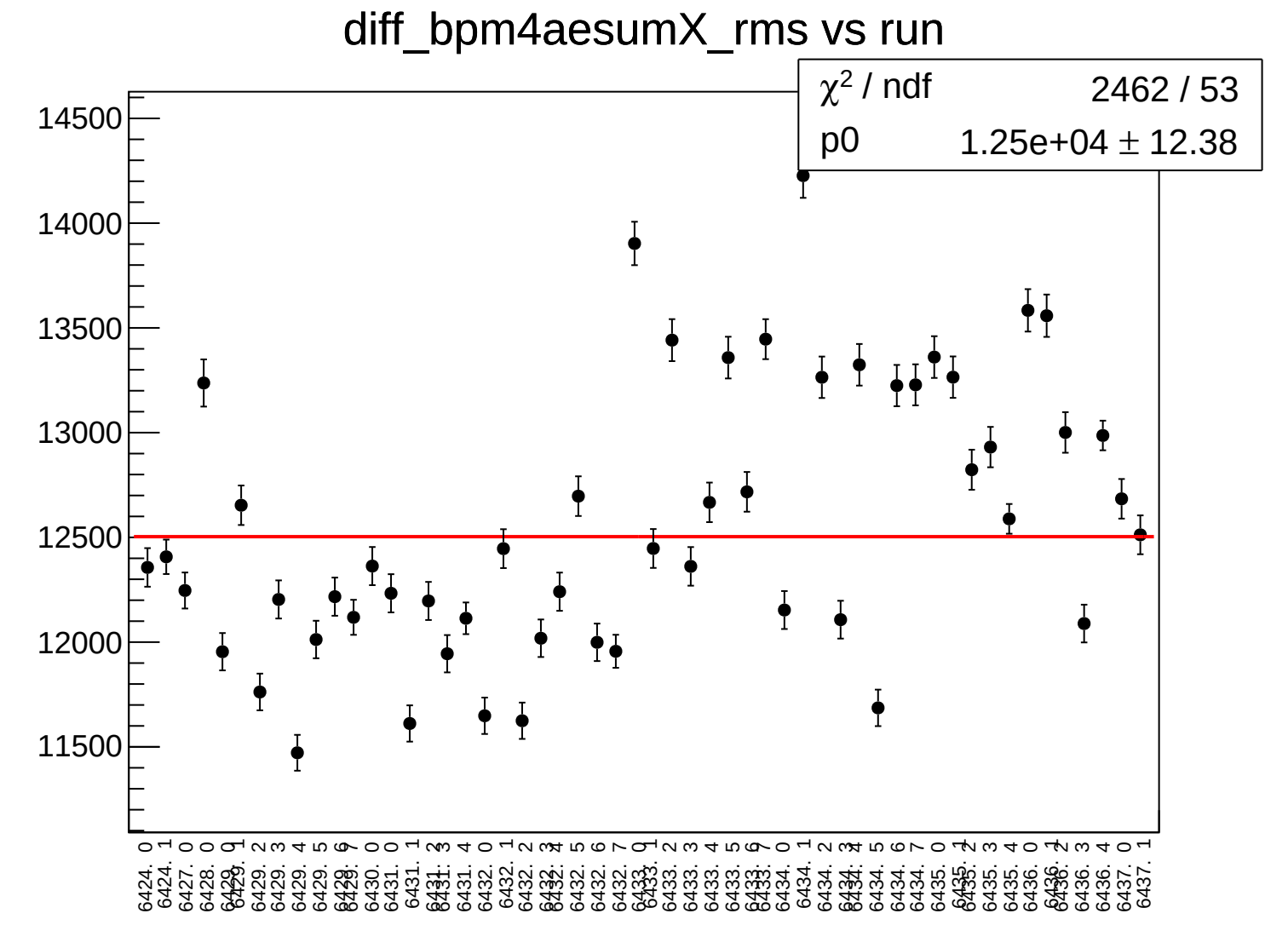

diff_bpmE_11X12X_mean vs run
χ² / ndf 55.58 / 53
p0 −7.493 ± 31.09
pull
Entries 54
Mean 524.4
Std Dev 0

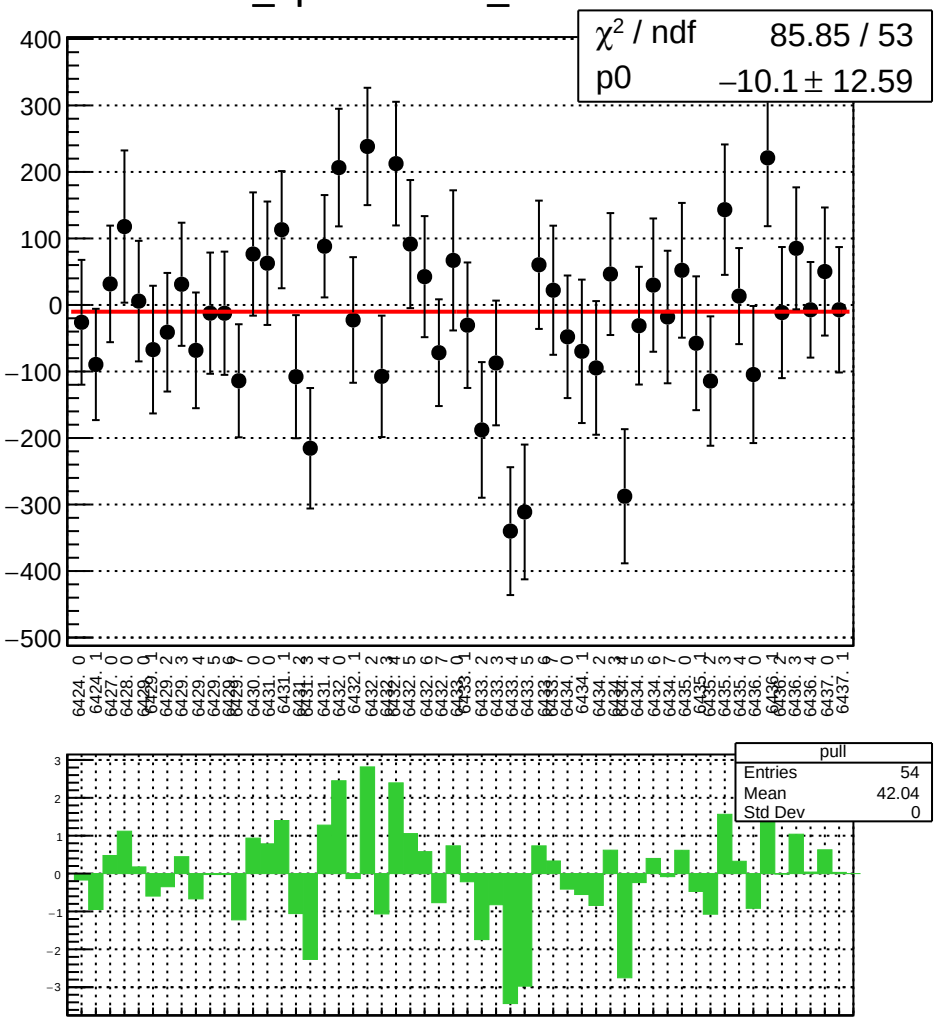

pull1D
Entries 54
Mean 0.003591
Std Dev 1.014

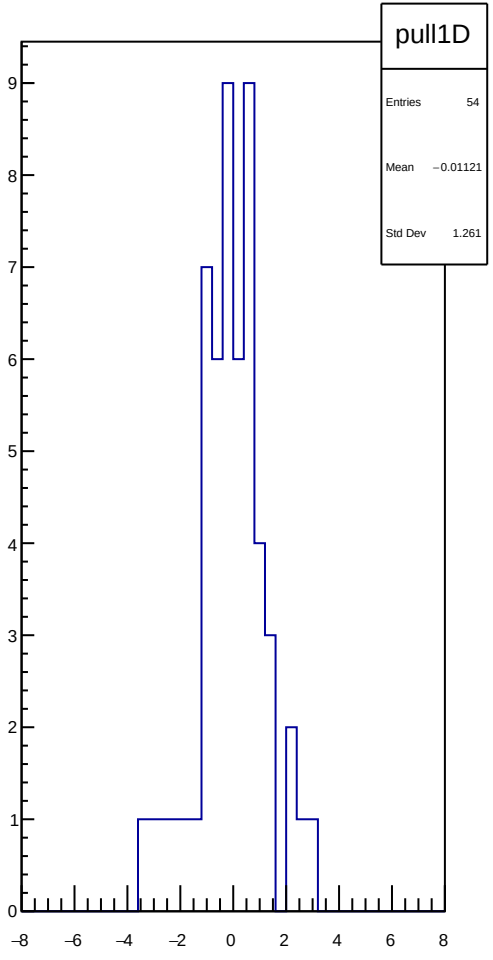

diff_bpmE_11X12X_rms vs run
χ² / ndf 3029 / 53
p0 2.22e+04 ± 21.98
25000
24000
23000
22000
21000
20000
19000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

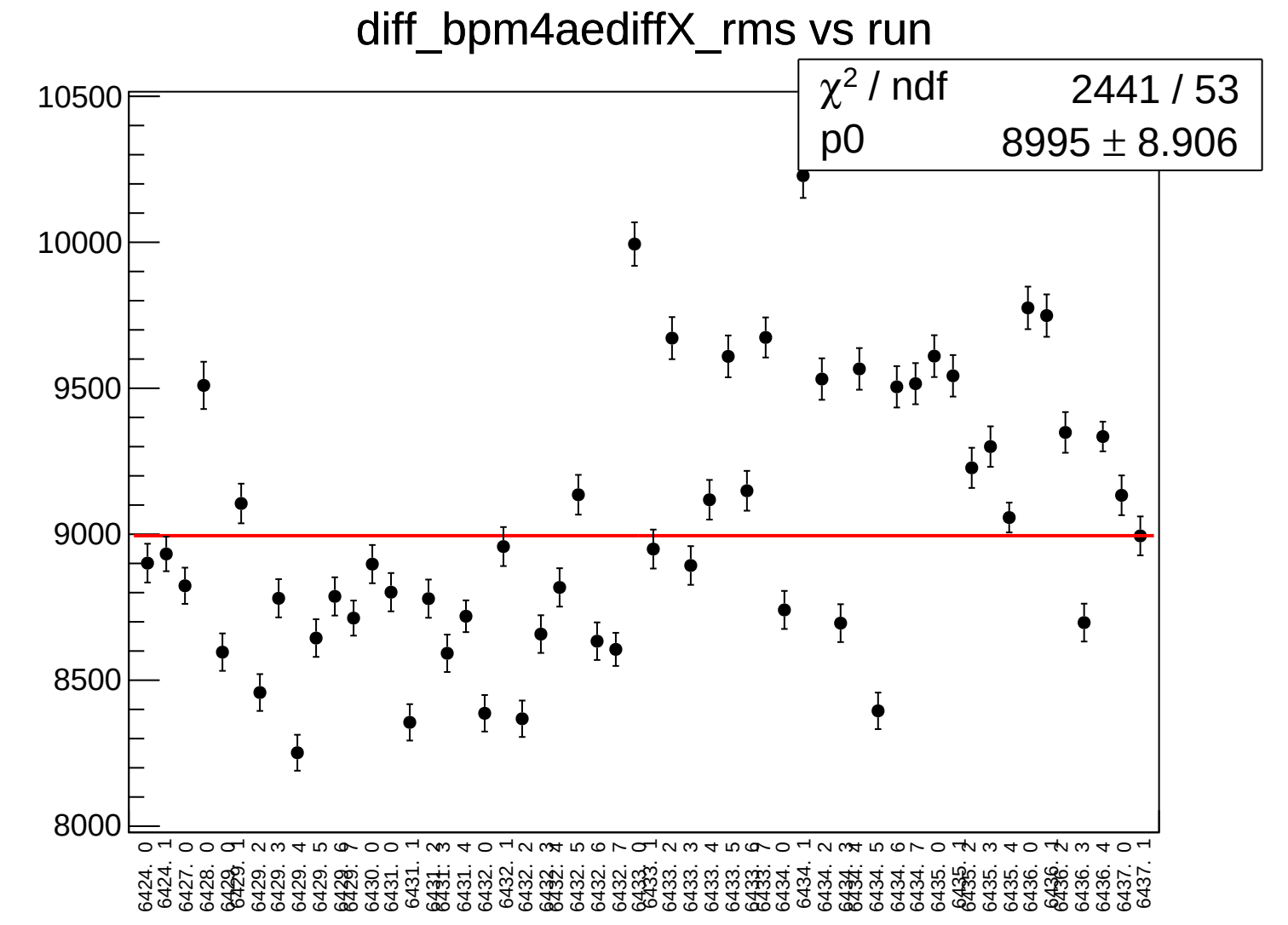

diff_bpm4aesumX_mean vs run
χ² / ndf 85.54 / 53
p0 14.57 ± 17.51
pull
Entries 54
Mean 46.47
Std Dev 0

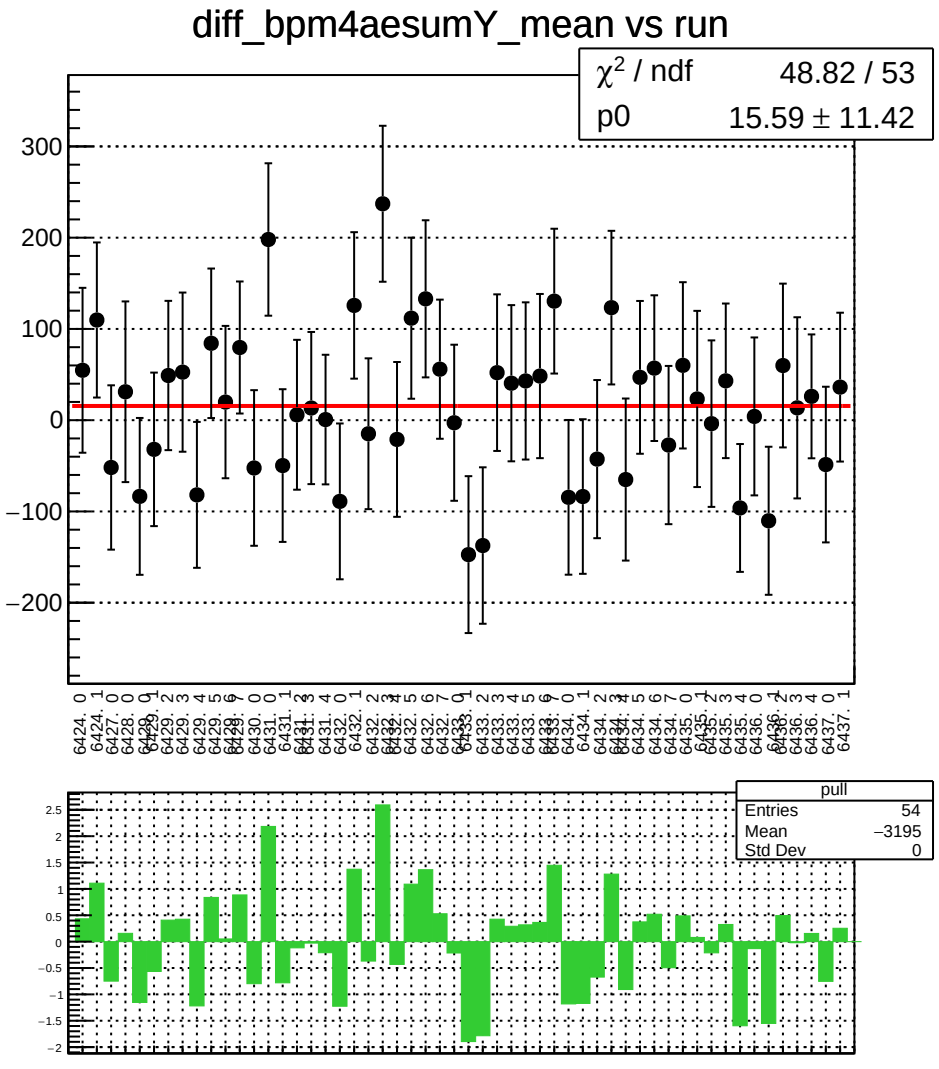

pull1D
Entries 54
Mean 0.01086
Std Dev 1.259

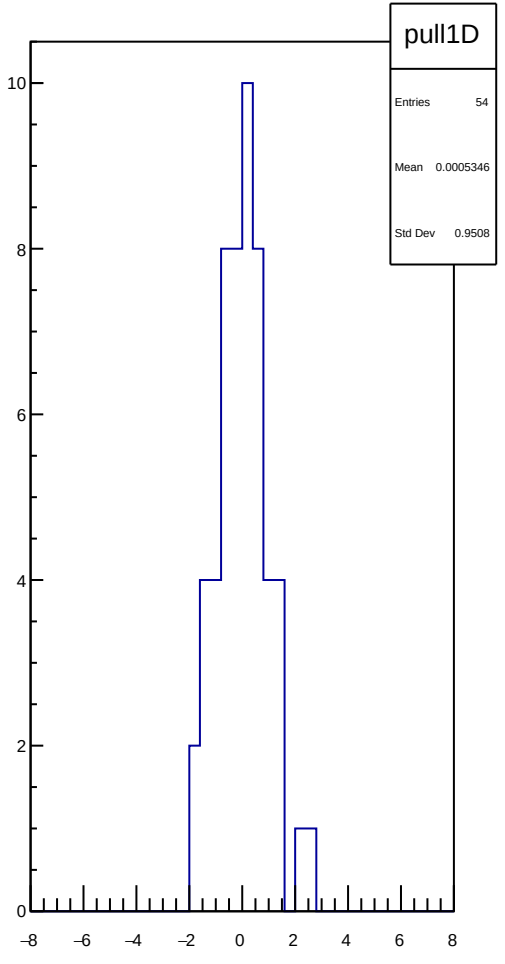

diff_bpm4aesumX_rms vs run
χ^2 / ndf 2462 / 53
p0 1.25e+04 ± 12.38
14500
14000
13500
13000
12500
12000
11500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

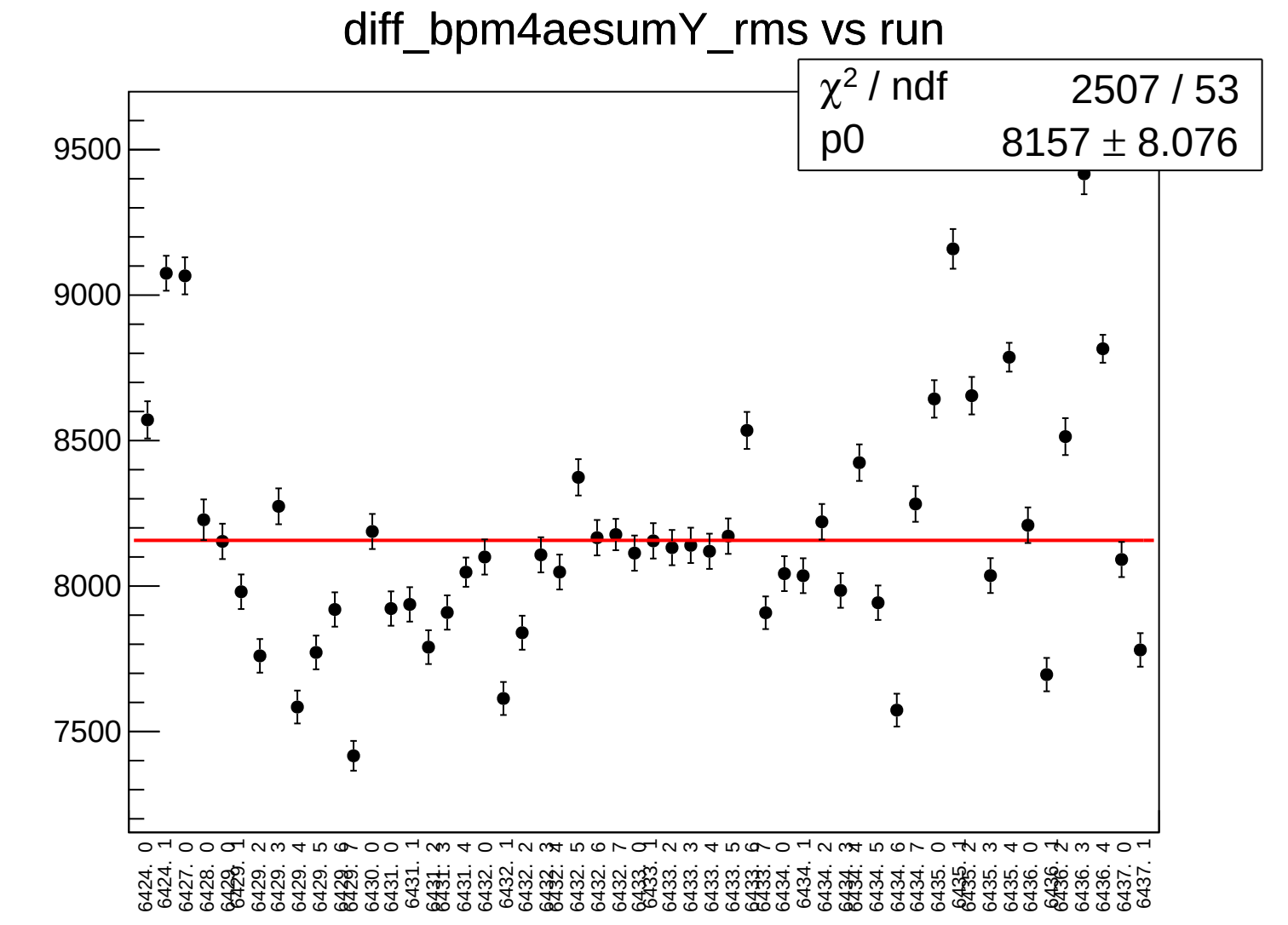

diff_bpm4aediffX_mean vs run
χ² / ndf 85.85 / 53
p0 −10.1 ± 12.59
pull
Entries 54
Mean 42.04
Std Dev 0

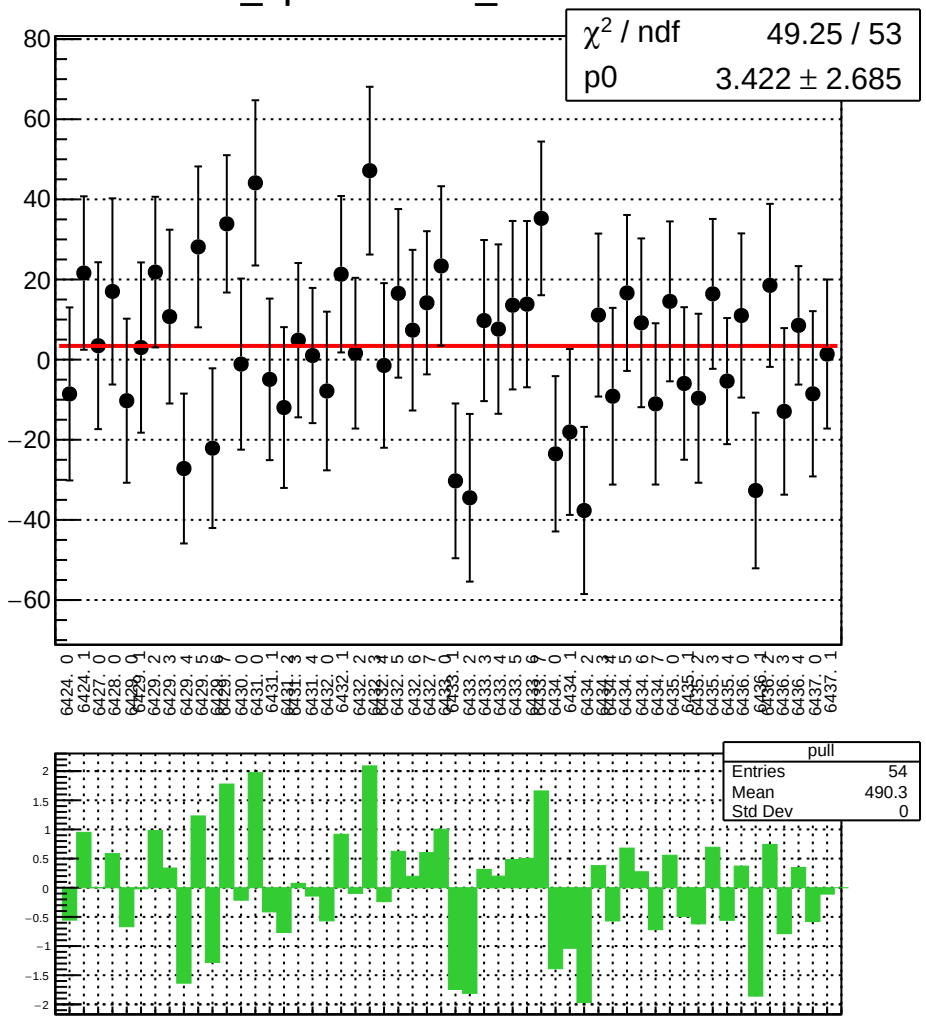

pull1D
Entries 54
Mean −0.01121
Std Dev 1.261

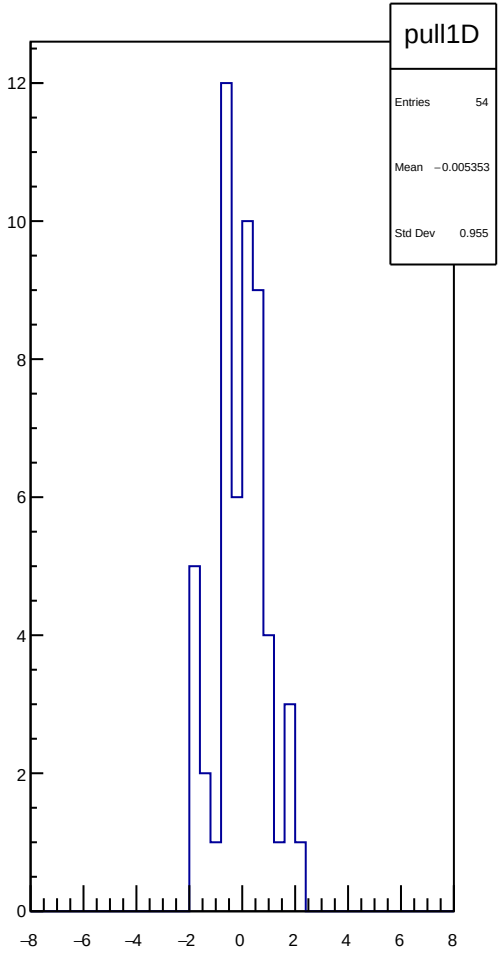

diff_bpm4aediffX_rms vs run
χ² / ndf 2441 / 53
p0 8995 ± 8.906
10500
10000
9500
9000
8500
8000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

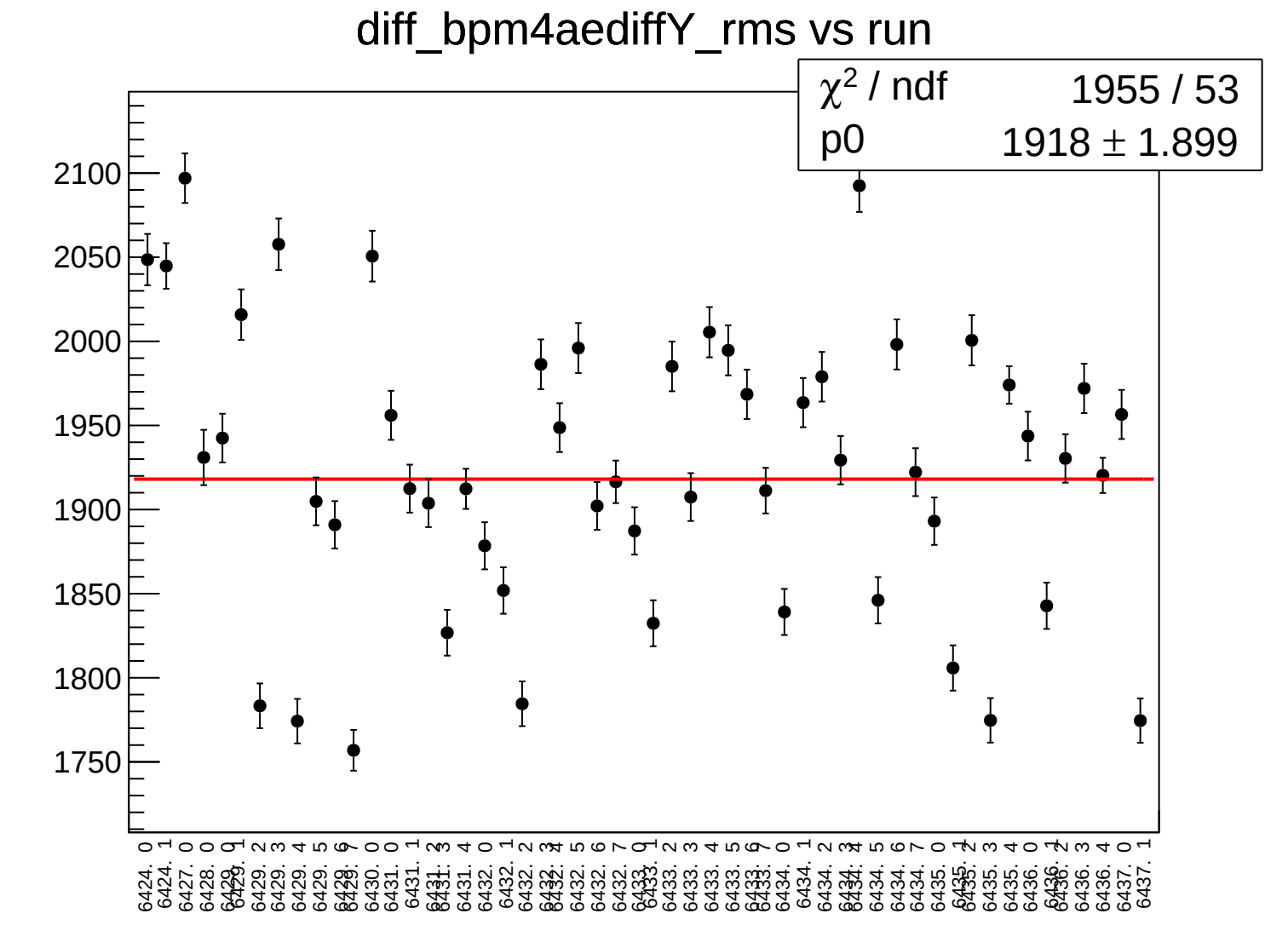

diff_bpm4aesumY_mean vs run
χ² / ndf 48.82 / 53
p0 15.59 ± 11.42
pull
Entries 54
Mean −3195
Std Dev 0

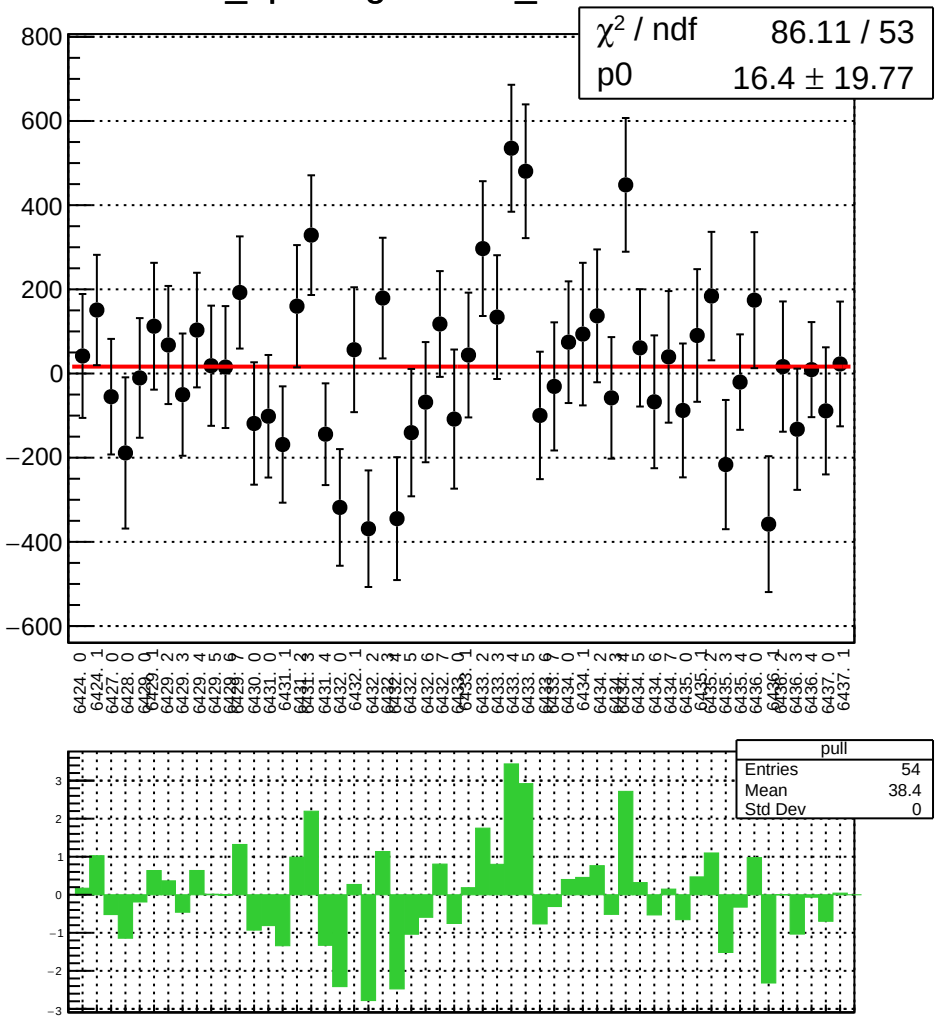

pull1D
Entries 54
Mean 0.0005346
Std Dev 0.9508

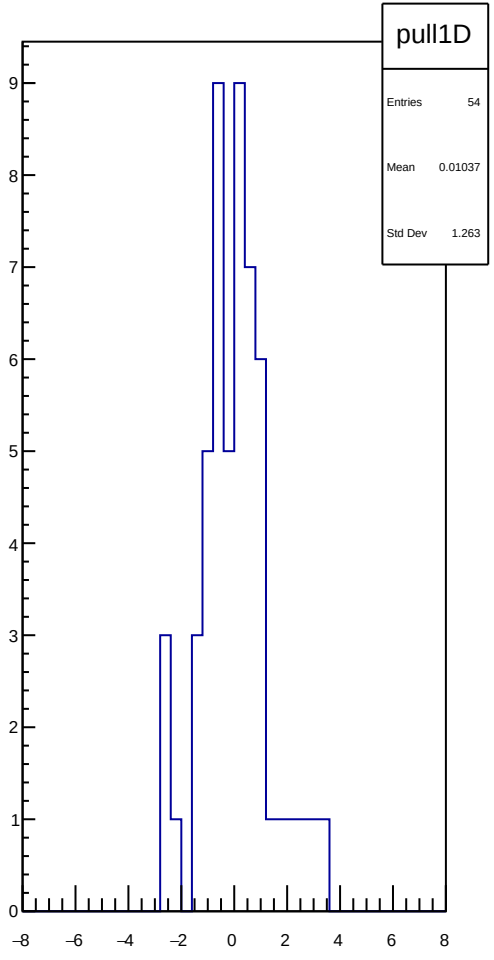

diff_bpm4aesumY_rms vs run
χ² / ndf 2507 / 53
p0 8157 ± 8.076
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

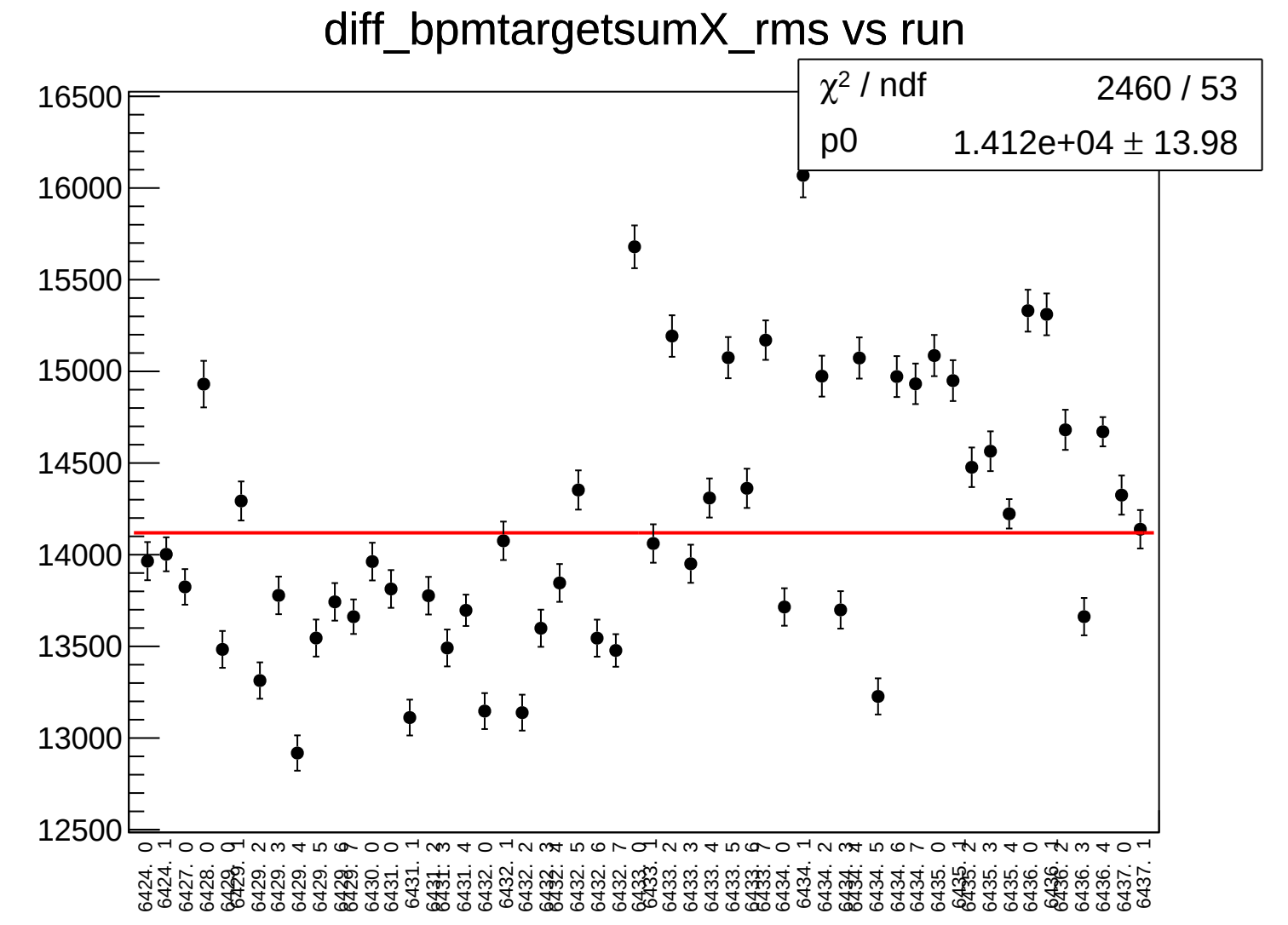

diff_bpm4aediffY_mean vs run
χ² / ndf 49.25 / 53
p0 3.422 ± 2.685
pull
Entries 54
Mean 490.3
Std Dev 0

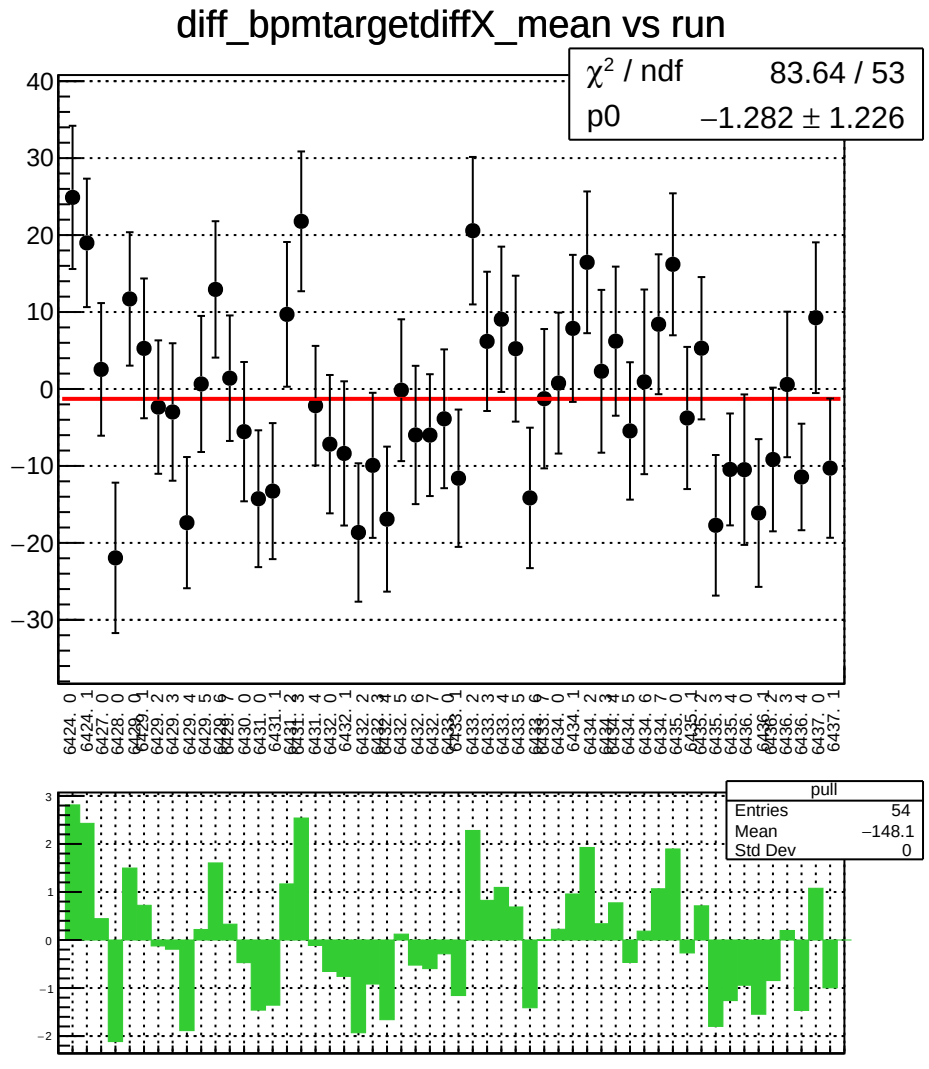

pull1D
Entries 54
Mean −0.005353
Std Dev 0.955

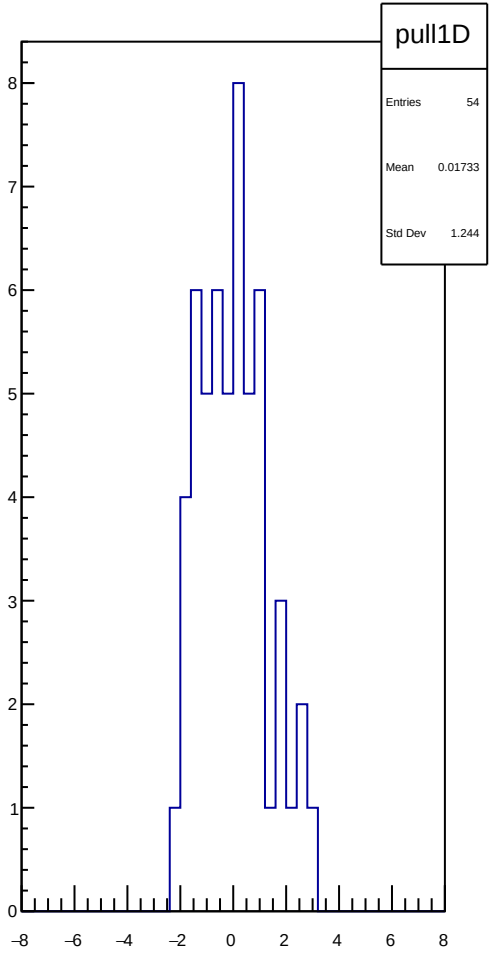

diff_bpm4aediffY_rms vs run
χ² / ndf 1955 / 53
p0 1918 ± 1.899
2100
2050
2000
1950
1900
1850
1800
1750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

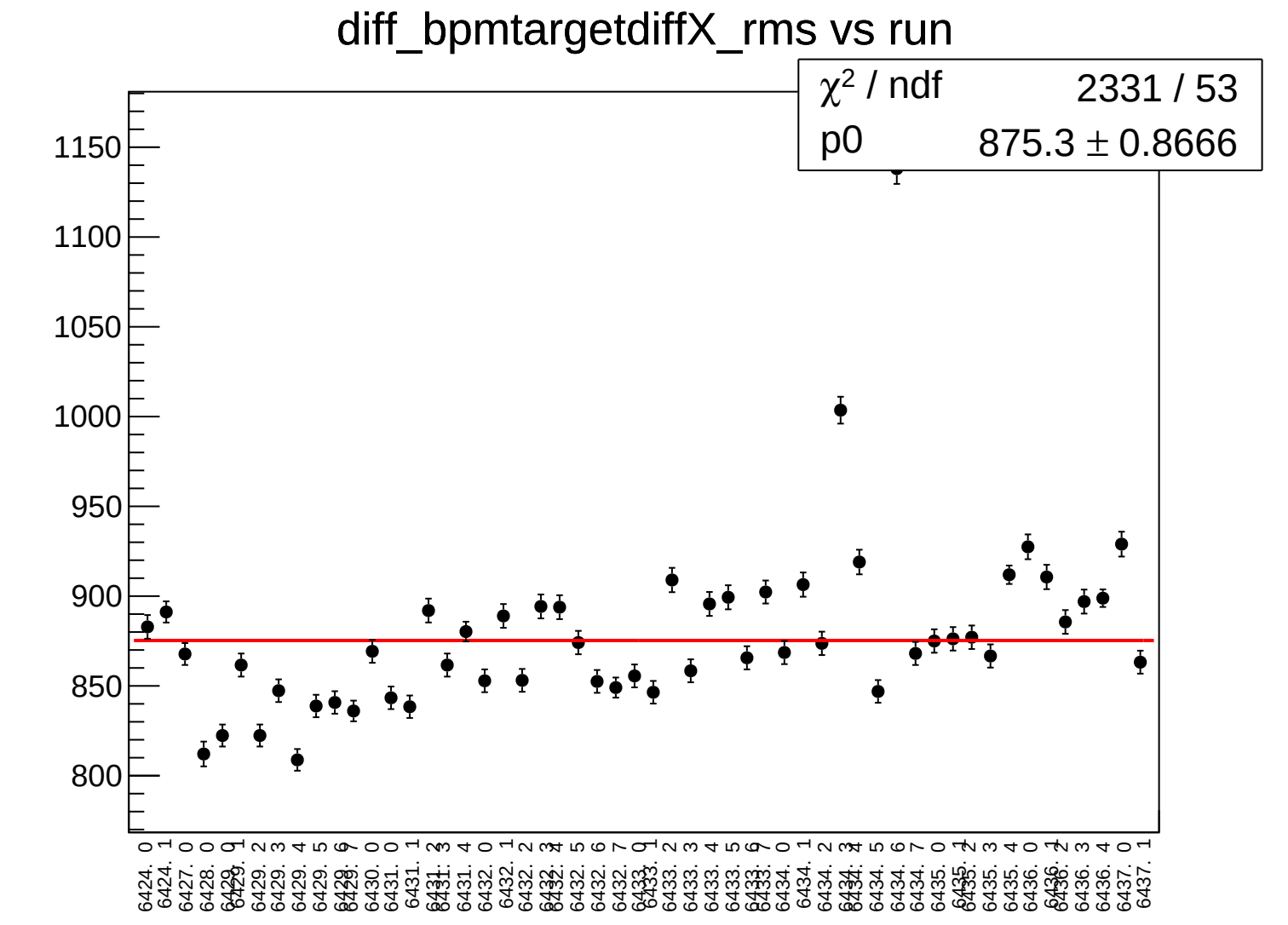

diff_bpmtargetsumX_mean vs run
χ² / ndf 86.11 / 53
p0 16.4 ± 19.77
pull
Entries 54
Mean 38.4
Std Dev 0

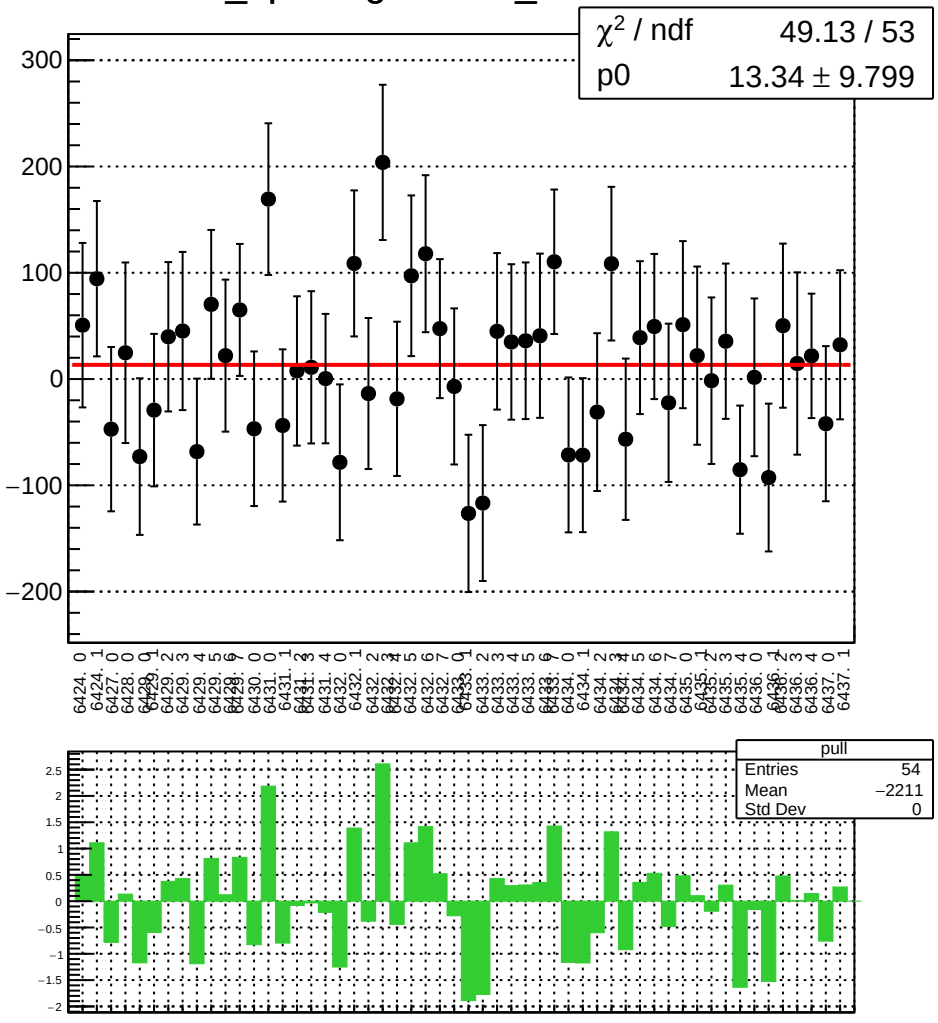

pull1D
Entries 54
Mean 0.01037
Std Dev 1.263

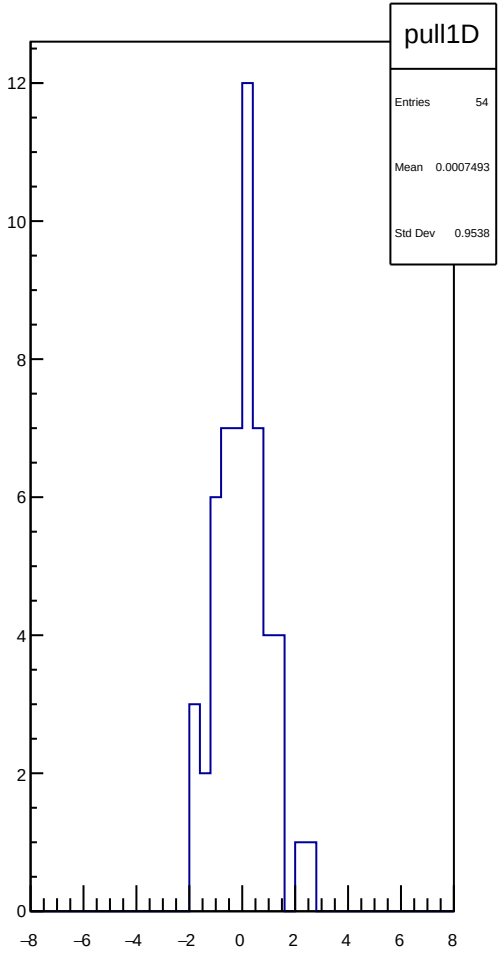

diff_bpmtargetsumX_rms vs run
χ² / ndf 2460 / 53
p0 1.412e+04 ± 13.98
16500
16000
15500
15000
14500
14000
13500
13000
12500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

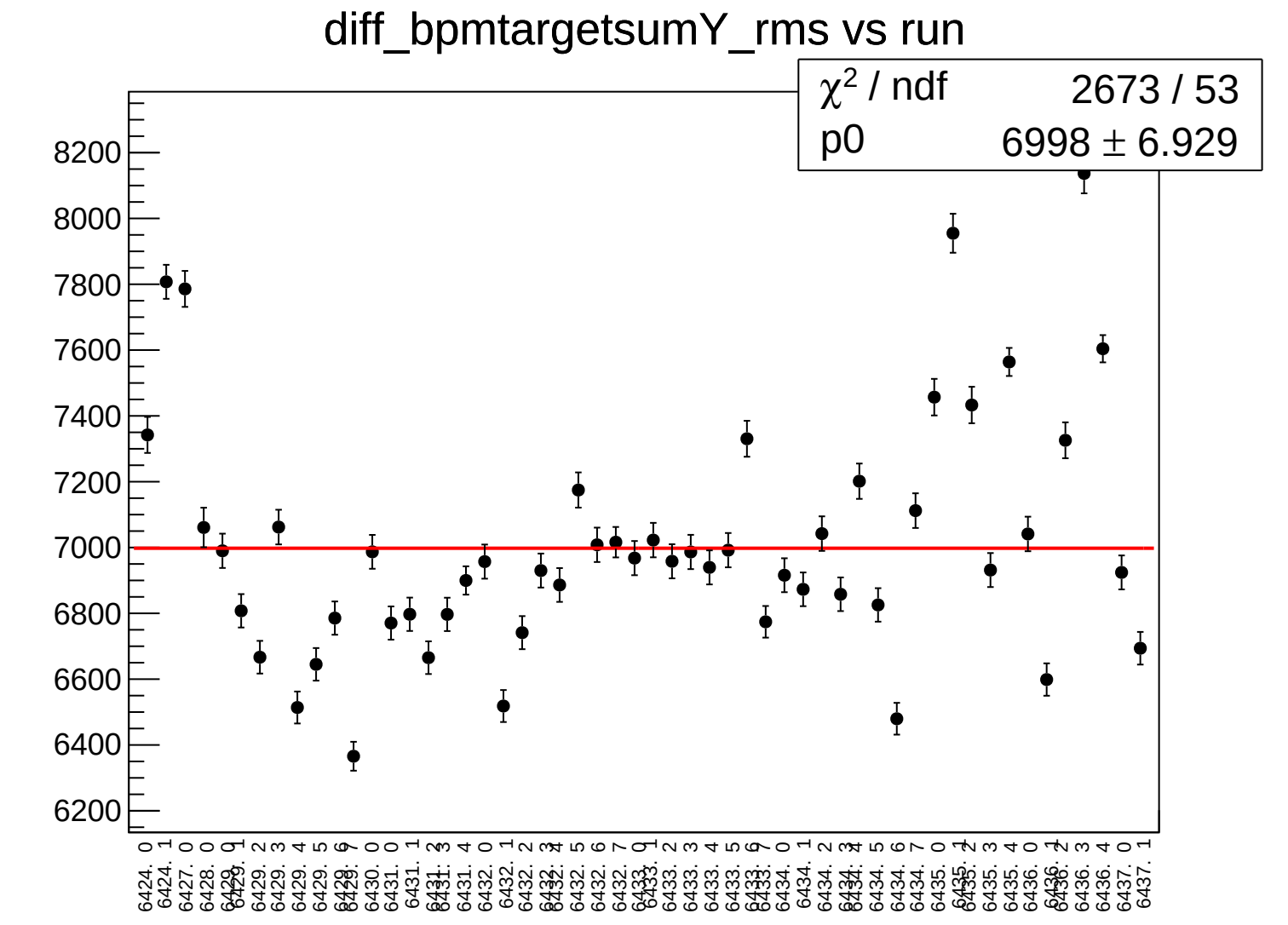

diff_bpmtargetdiffX_mean vs run
χ² / ndf 83.64 / 53
p0 −1.282 ± 1.226
pull
Entries 54
Mean −148.1
Std Dev 0

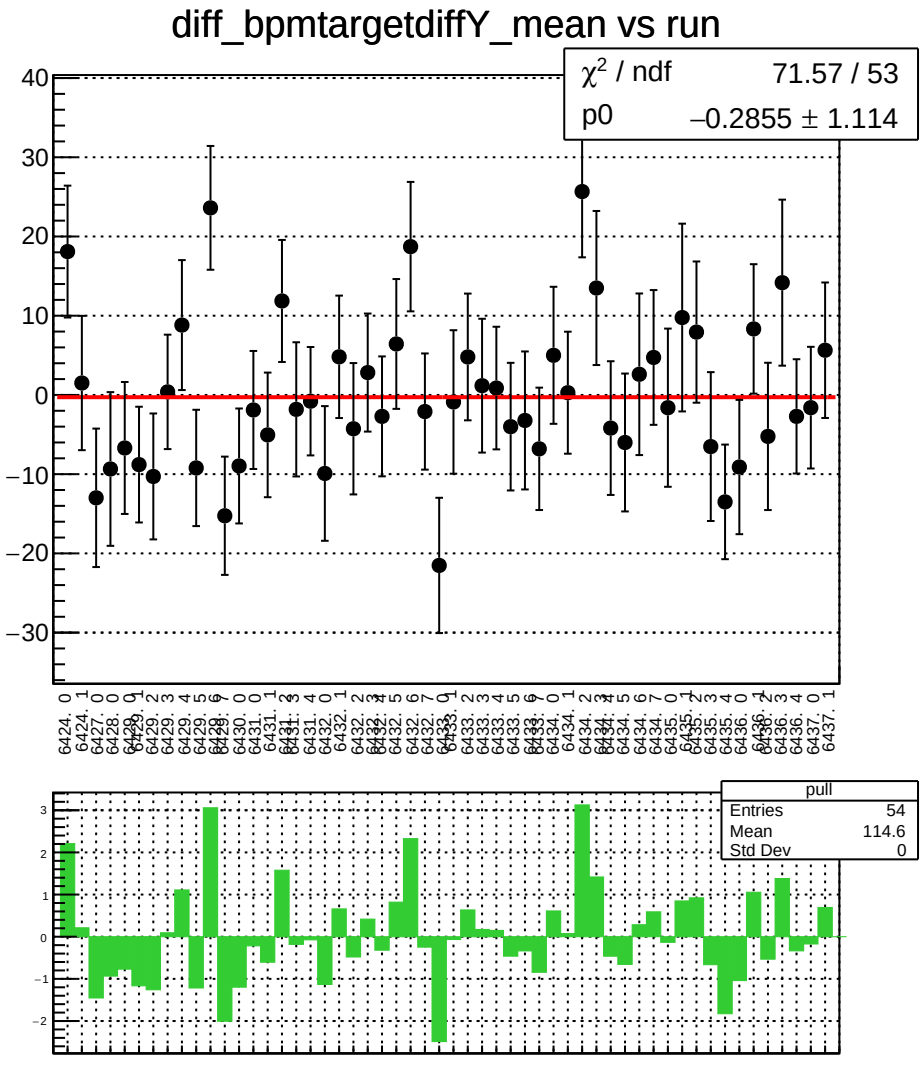

pull1D
Entries 54
Mean 0.01733
Std Dev 1.244

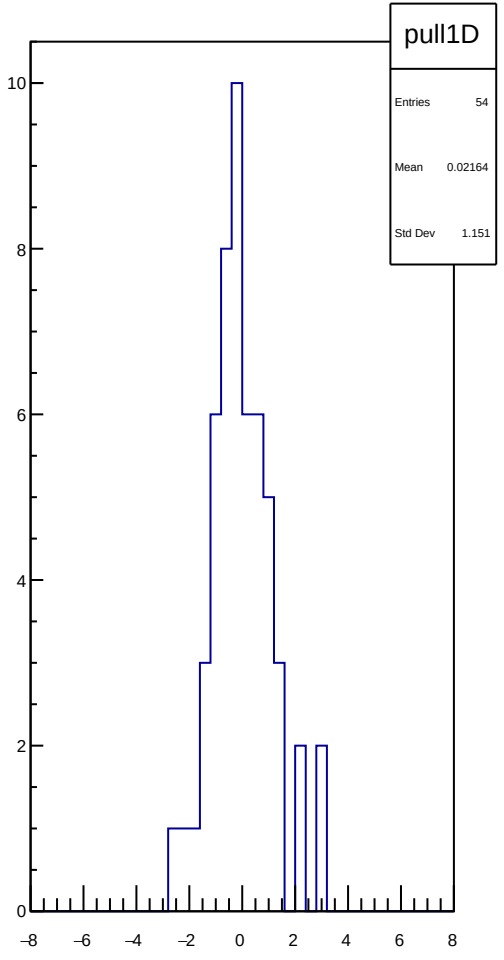

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2331 / 53
p0 875.3 ± 0.8666
1150
1100
1050
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

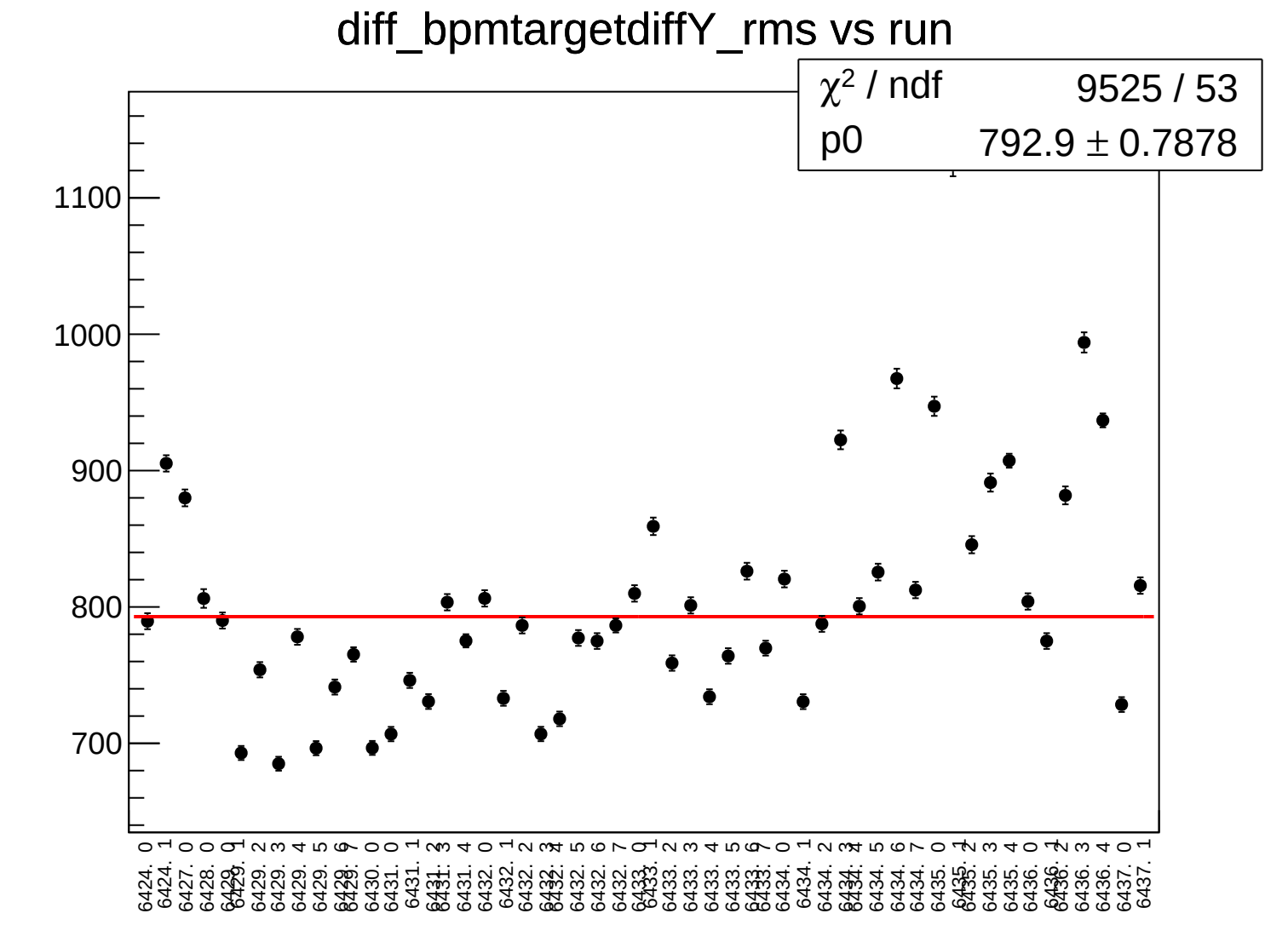

diff_bpmtargetsumY_mean vs run
χ² / ndf 49.13 / 53
p0 13.34 ± 9.799
pull
Entries 54
Mean −2211
Std Dev 0

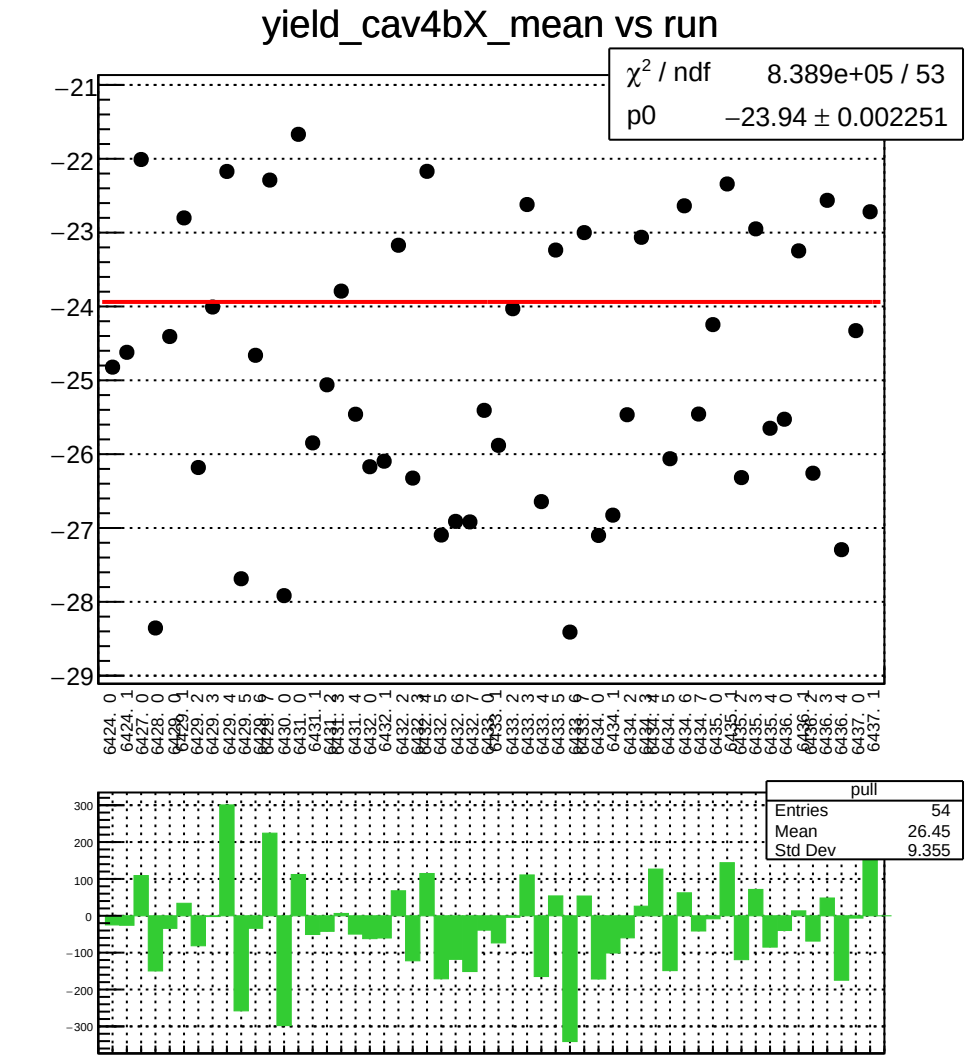

pull1D
Entries 54
Mean 0.0007493
Std Dev 0.9538

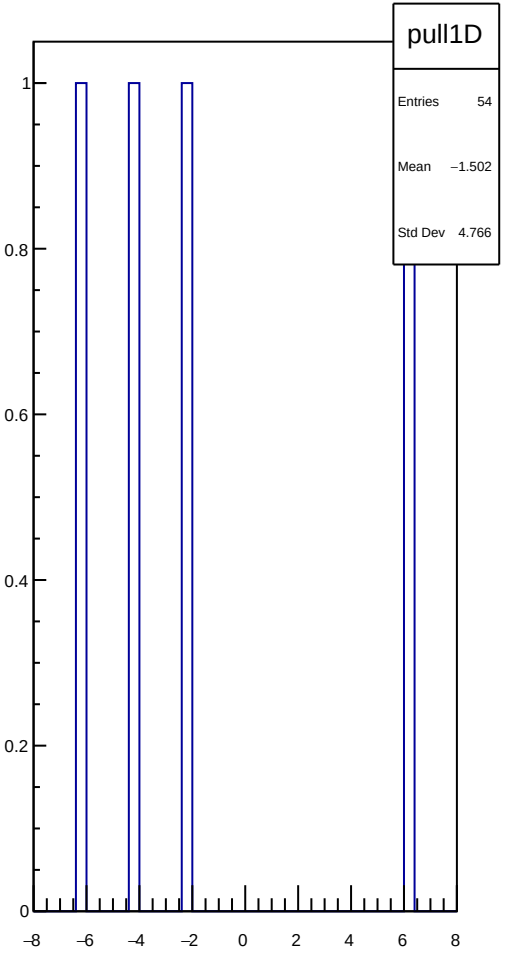

diff_bpmtargetsumY_rms vs run
χ² / ndf 2673 / 53
p0 6998 ± 6.929
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

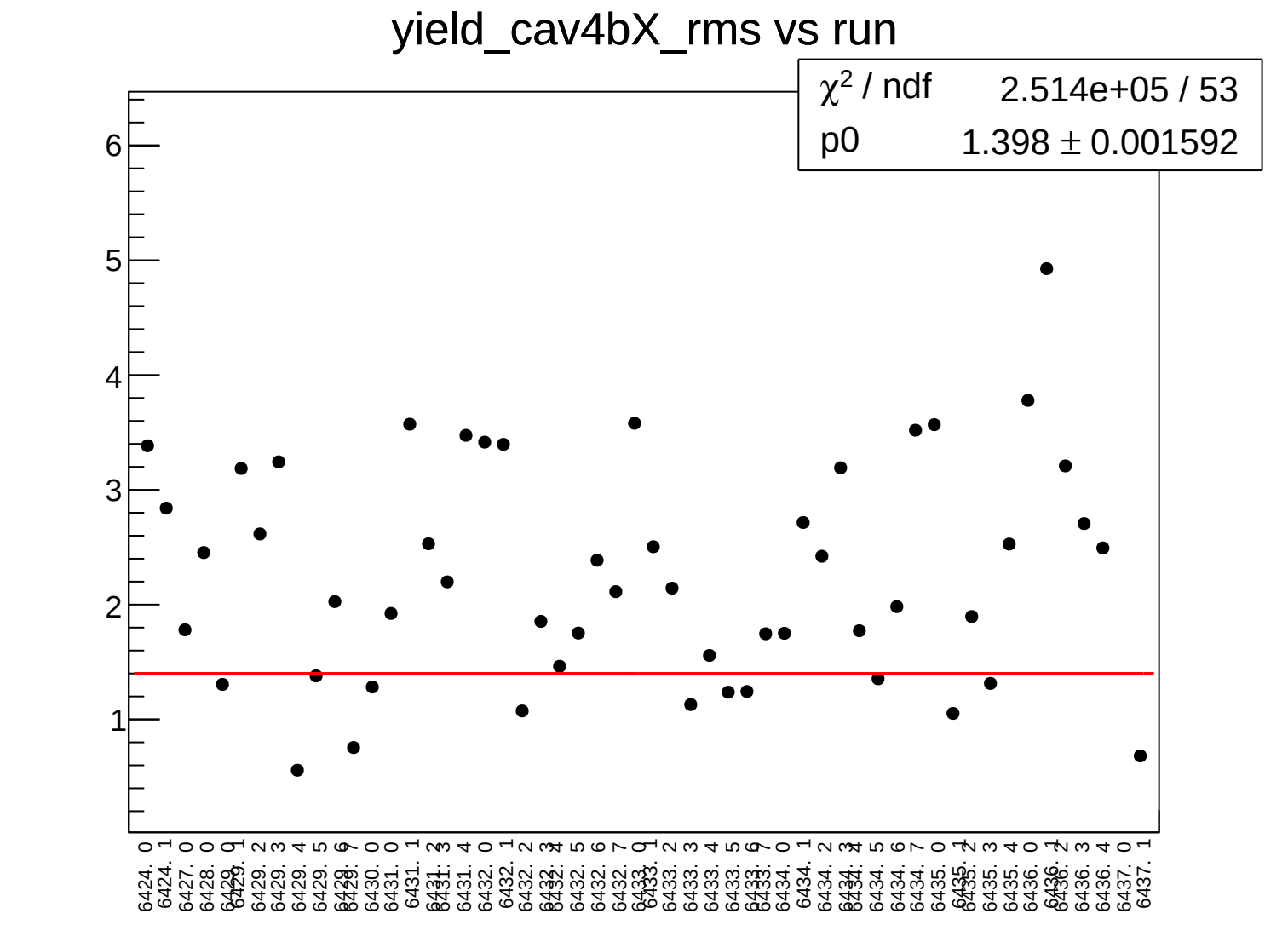

diff_bpmtargetdiffY_mean vs run
χ² / ndf 71.57 / 53
p0 −0.2855 ± 1.114
pull
Entries 54
Mean 114.6
Std Dev 0

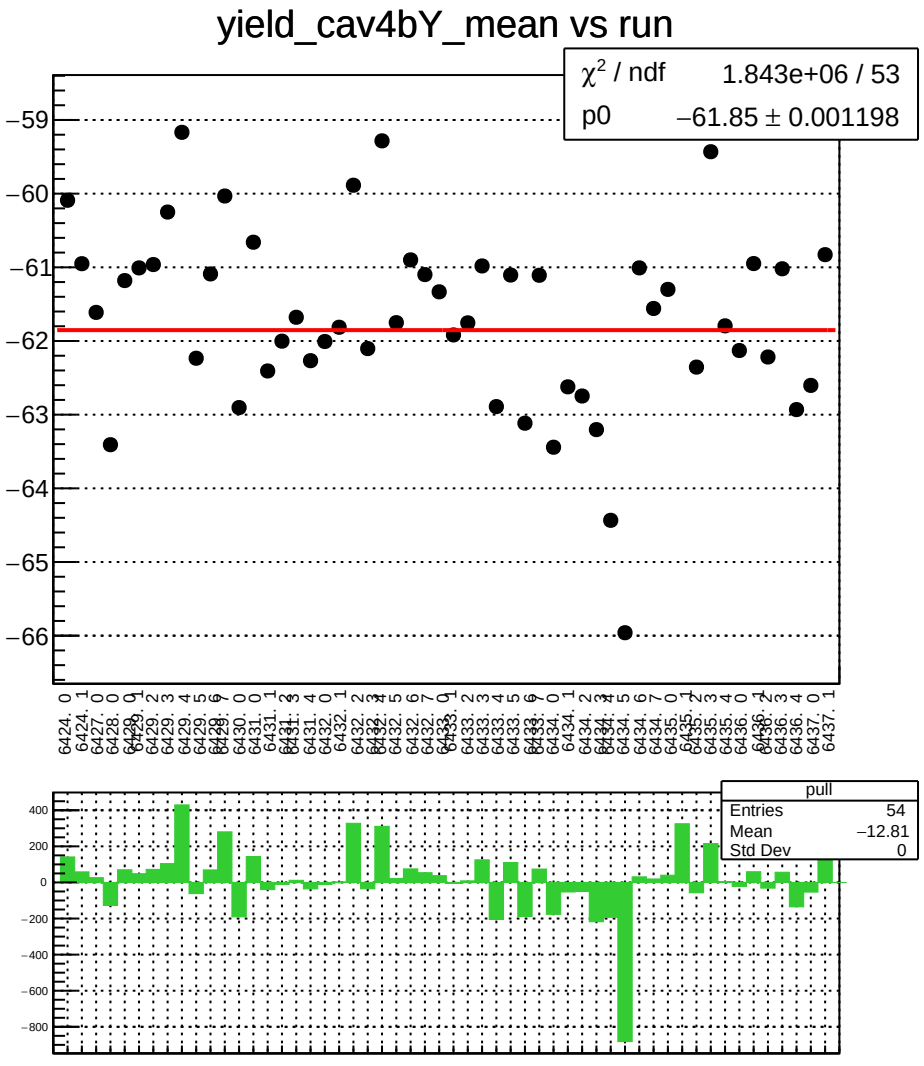

pull1D
Entries 54
Mean 0.02164
Std Dev 1.151

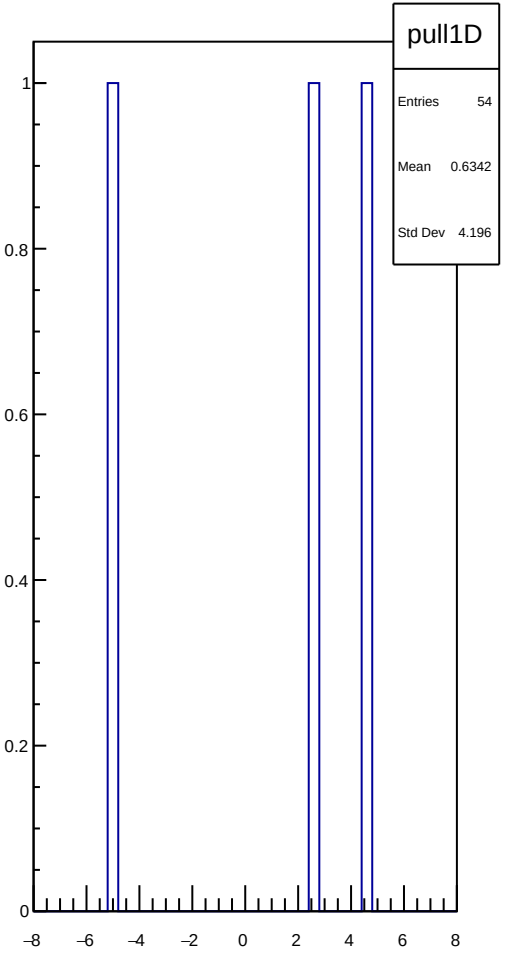

diff_bpmtargetdiffY_rms vs run
χ² / ndf 9525 / 53
p0 792.9 ± 0.7878
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

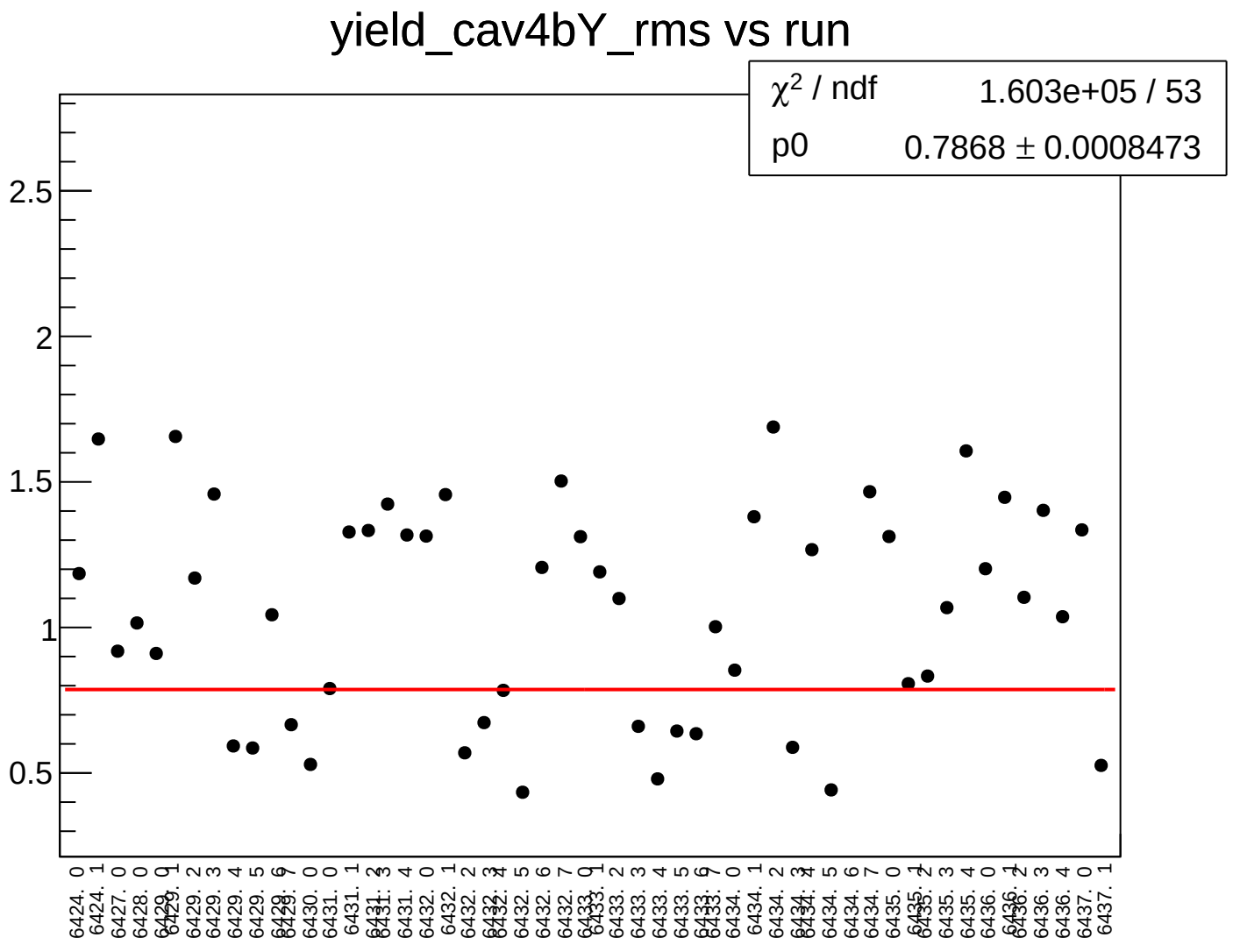

yield_cav4bX_mean vs run
χ² / ndf 8.389e+05 / 53
p0 −23.94 ± 0.002251
pull
Entries 54
Mean 26.45
Std Dev 9.355

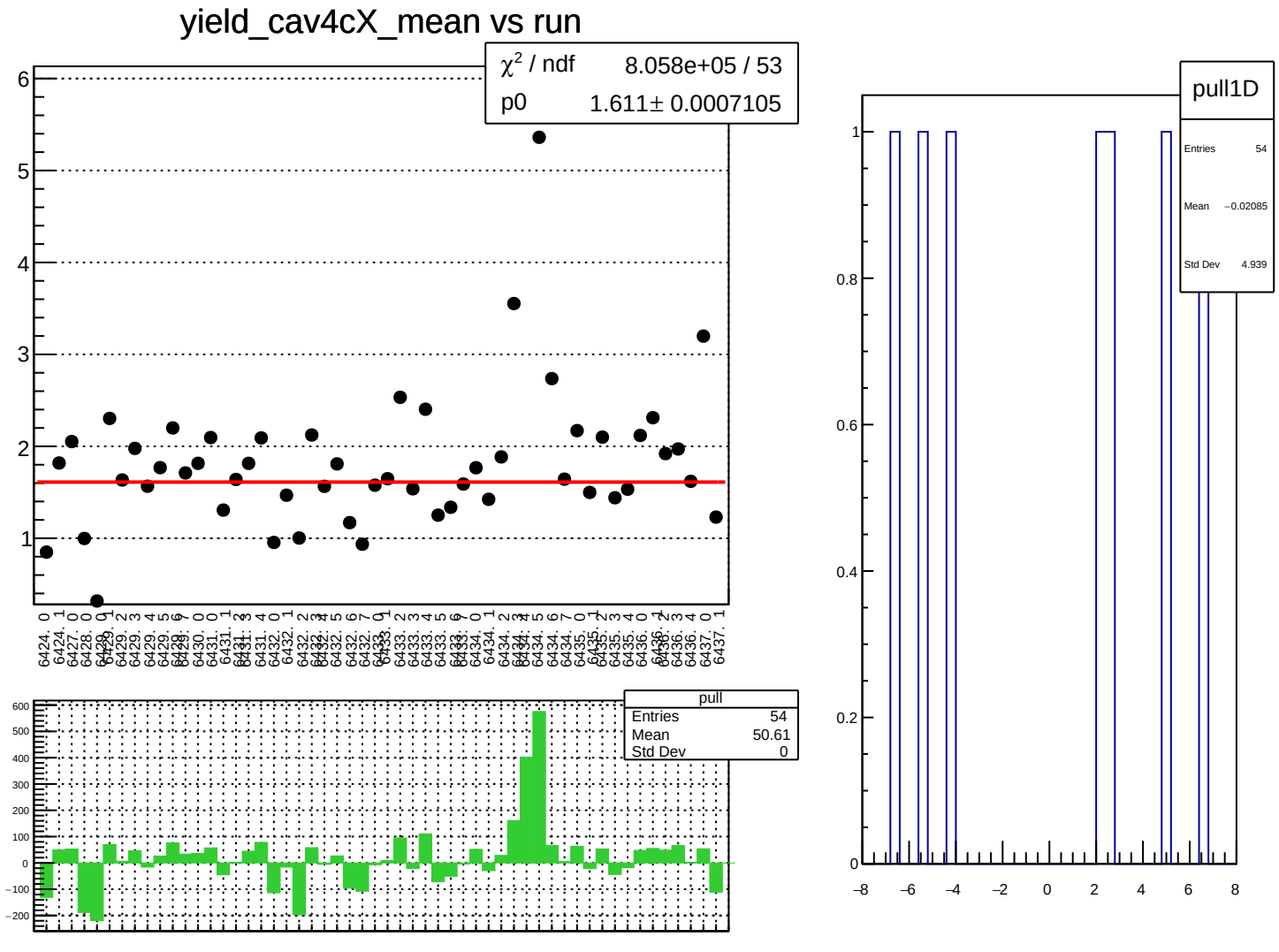

pull1D
Entries 54
Mean −1.502
Std Dev 4.766

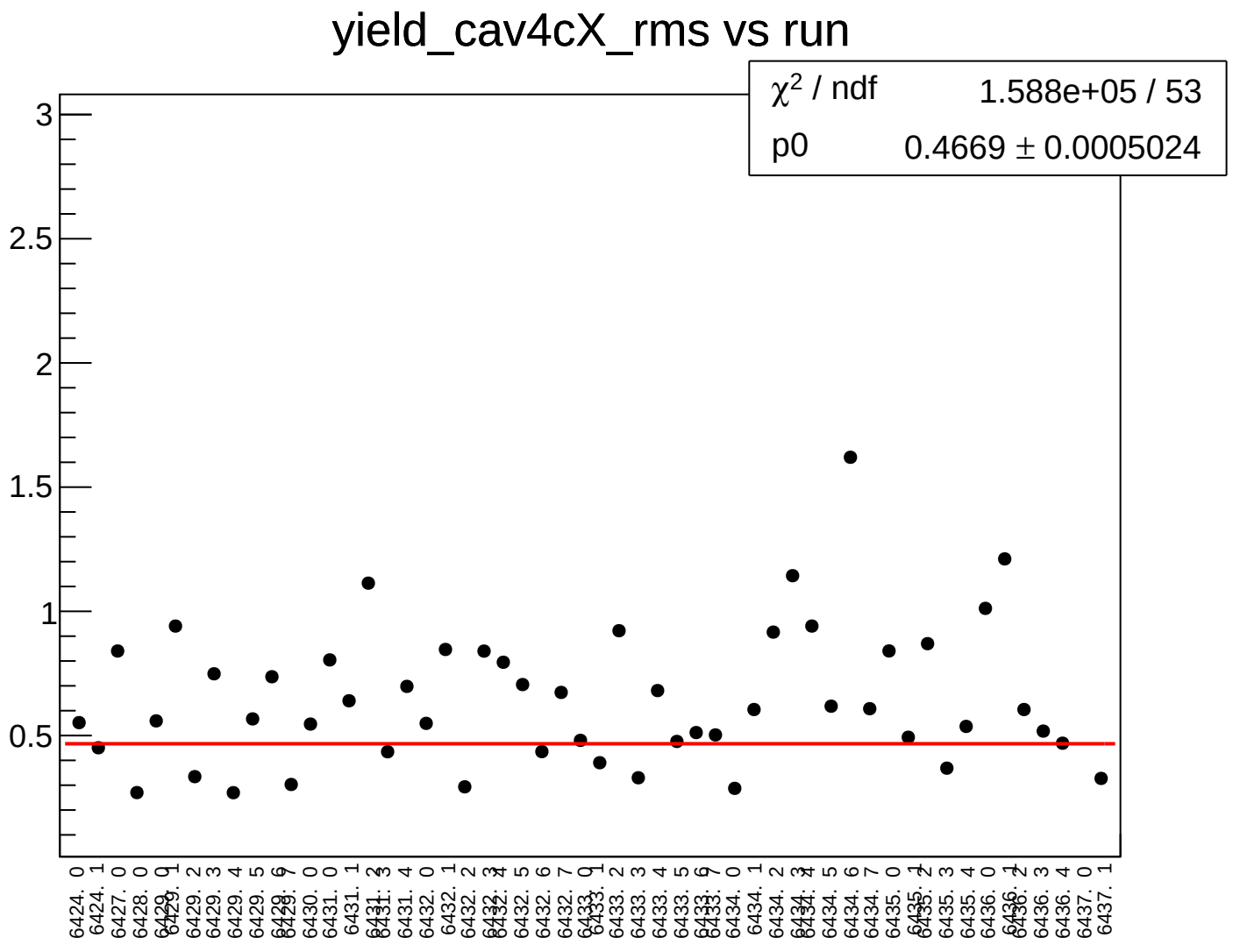

yield_cav4bX_rms vs run
χ^2 / ndf 2.514e+05 / 53
p0 1.398 ± 0.001592
6
5
4
3
2
1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

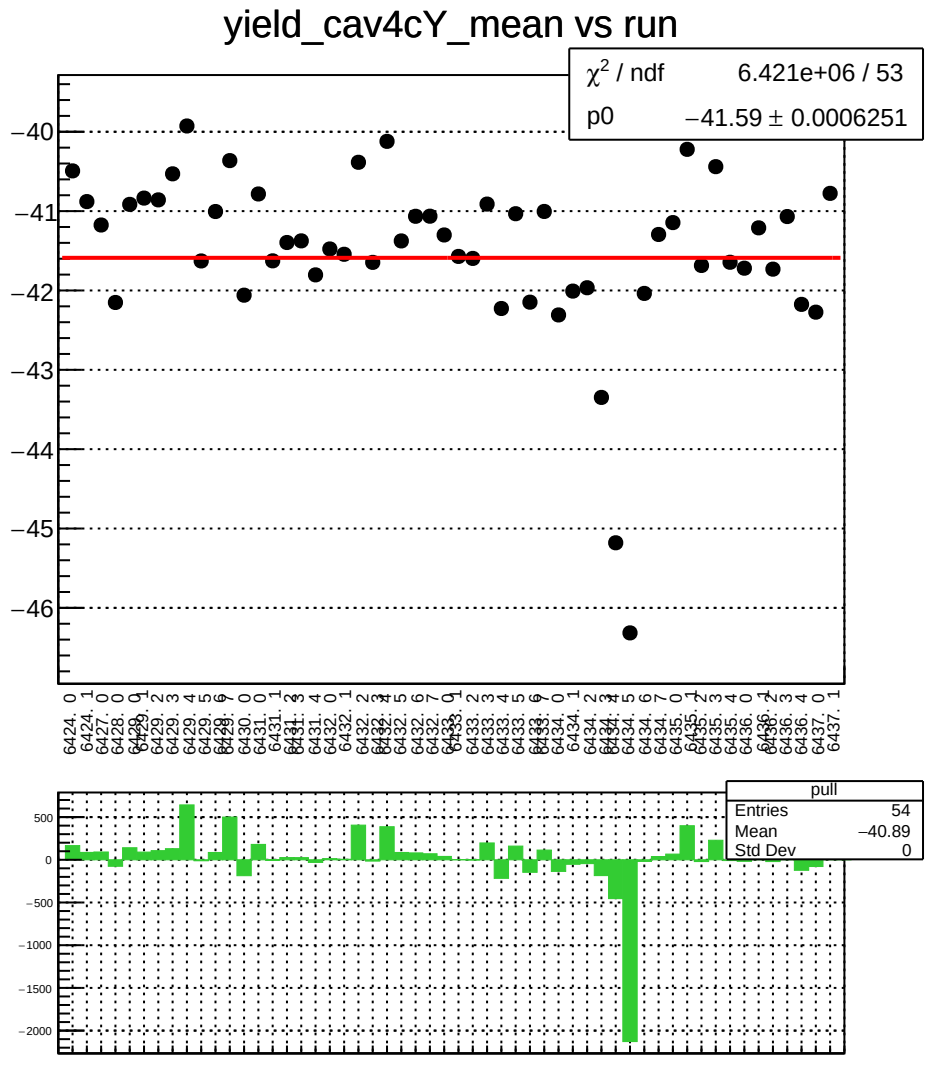

yield_cav4bY_mean vs run
χ² / ndf 1.843e+06 / 53
p0 −61.85 ± 0.001198
pull
Entries 54
Mean −12.81
Std Dev 0

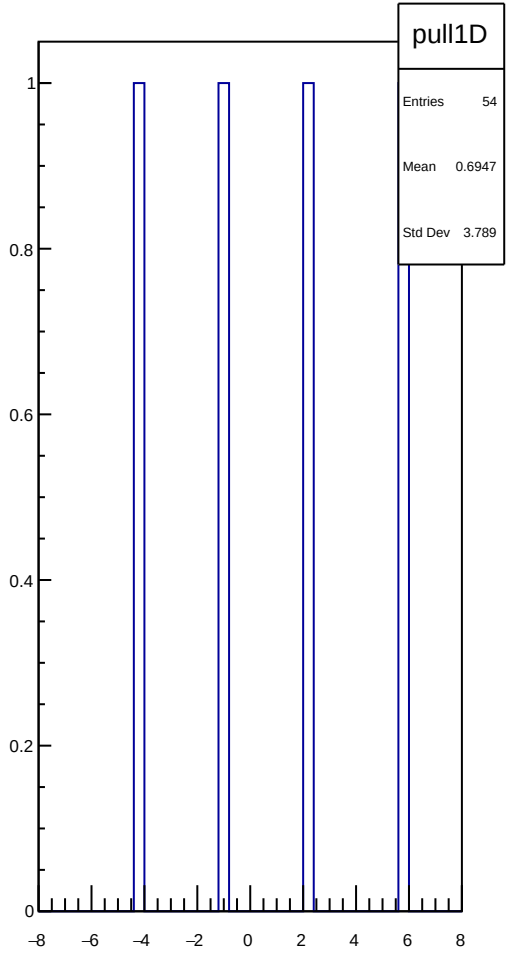

pull1D
Entries 54
Mean 0.6342
Std Dev 4.196

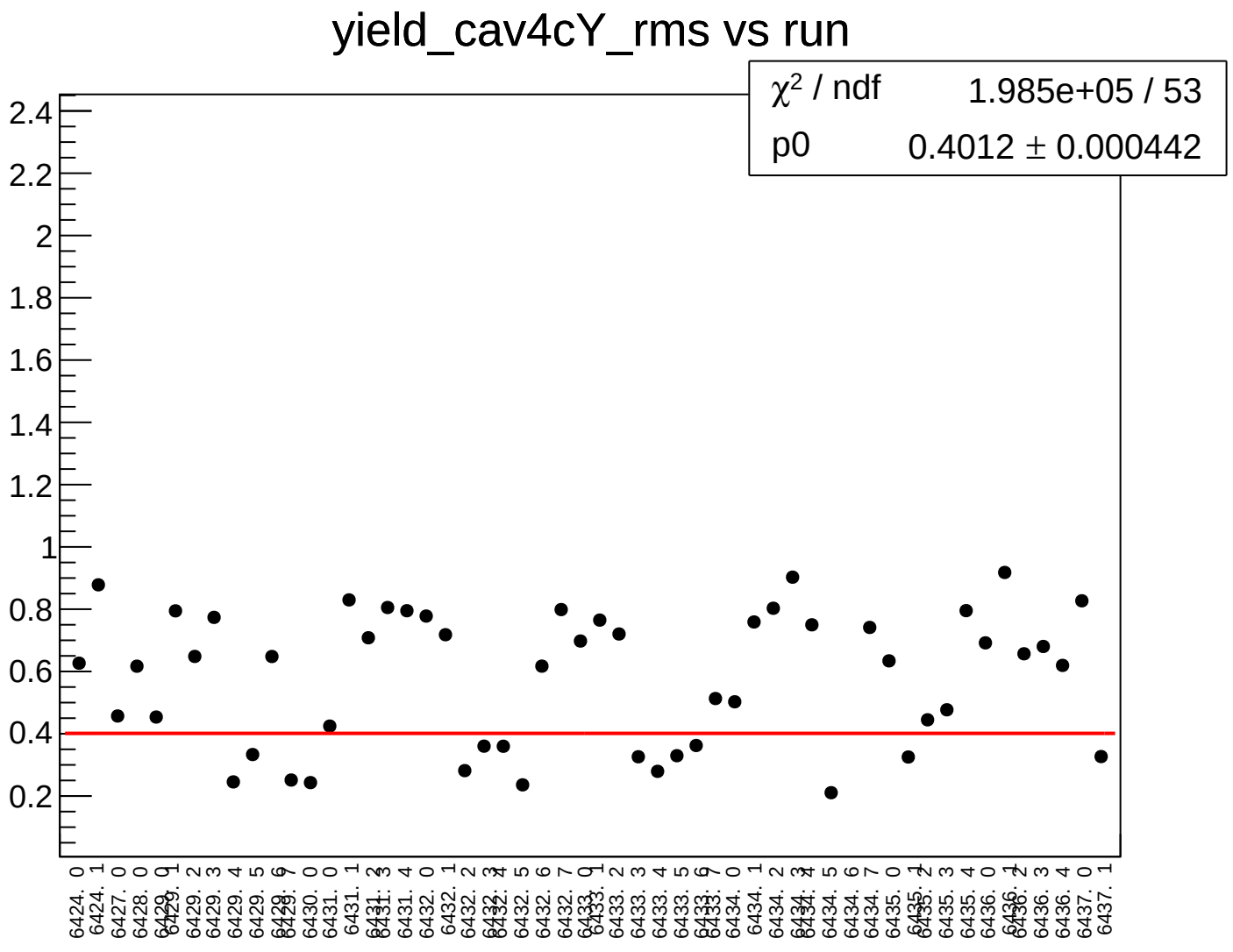

yield_cav4bY_rms vs run
χ² / ndf 1.603e+05 / 53
p0 0.7868 ± 0.0008473
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

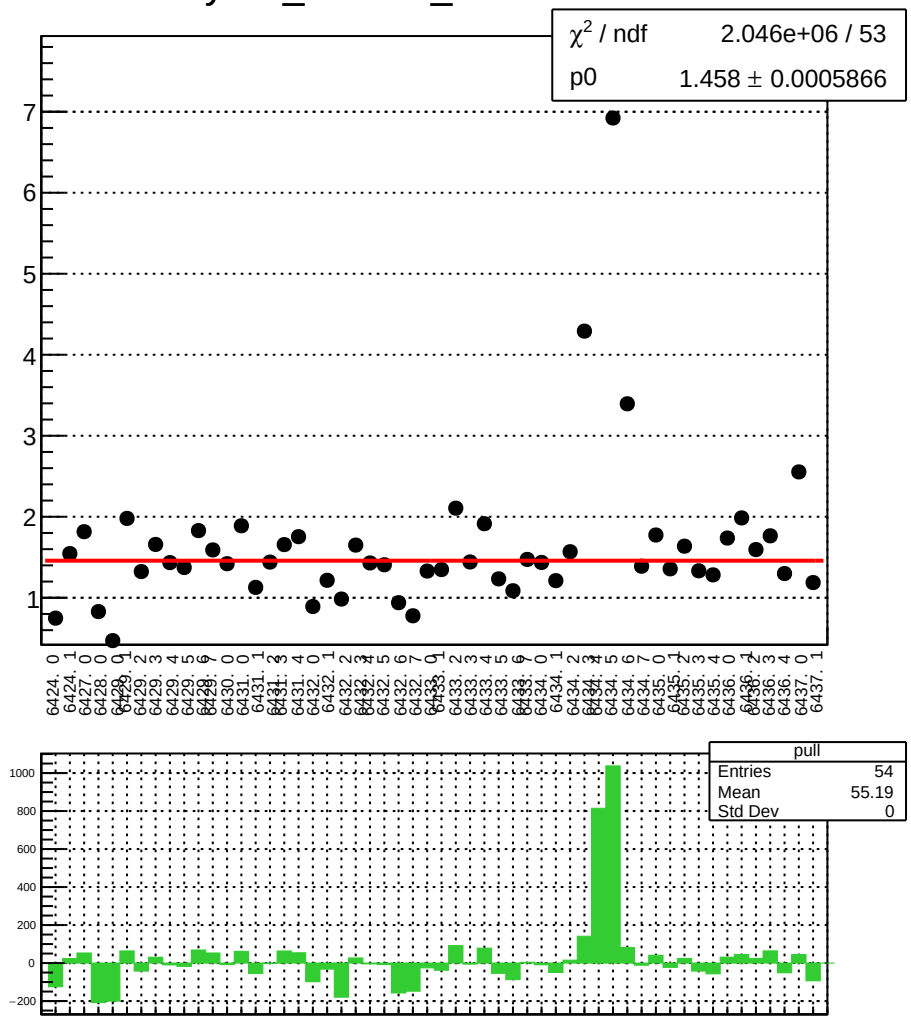

yield_cav4cX_mean vs run
χ² / ndf 8.058e+05 / 53
p0 1.611± 0.0007105
pull
Entries 54
Mean 50.61
Std Dev 0
pull1D
Entries 54
Mean −0.02085
Std Dev 4.939

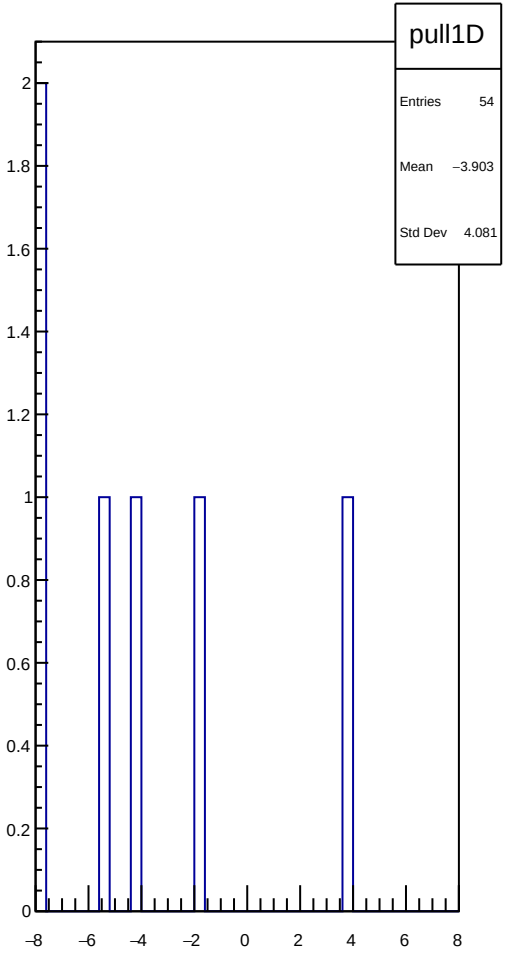

yield_cav4cX_rms vs run
χ² / ndf 1.588e+05 / 53
p0 0.4669 ± 0.0005024
3
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

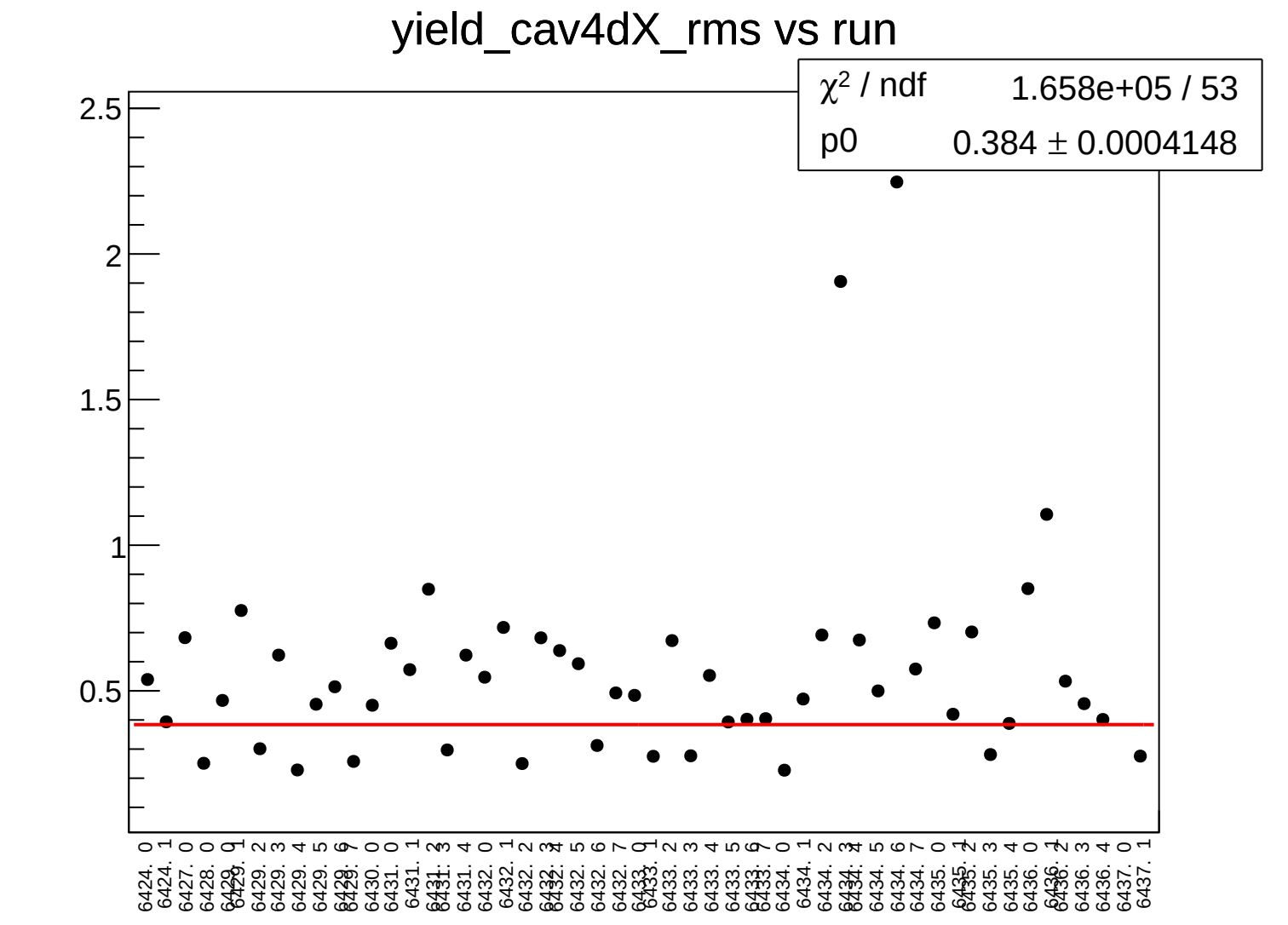

yield_cav4cY_mean vs run
χ² / ndf 6.421e+06 / 53
p0 −41.59 ± 0.0006251
pull
Entries 54
Mean −40.89
Std Dev 0

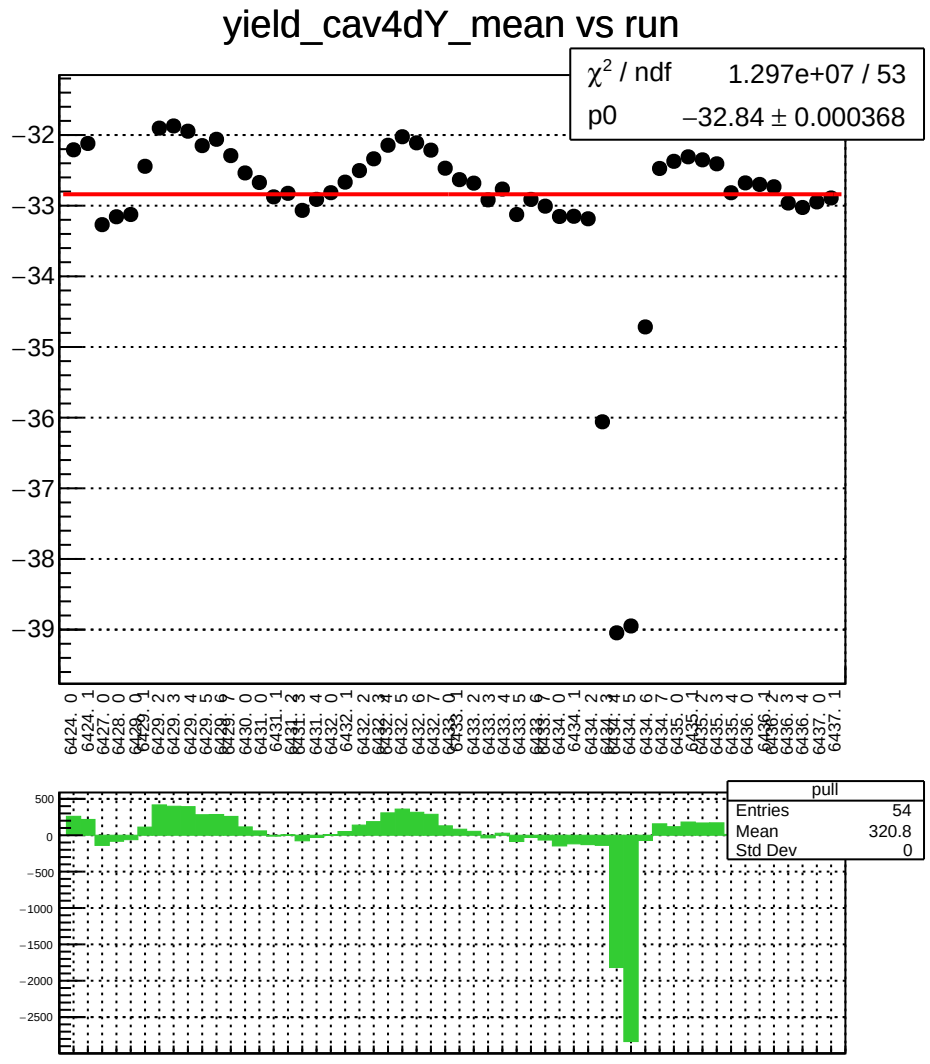

pull1D
Entries 54
Mean 0.6947
Std Dev 3.789

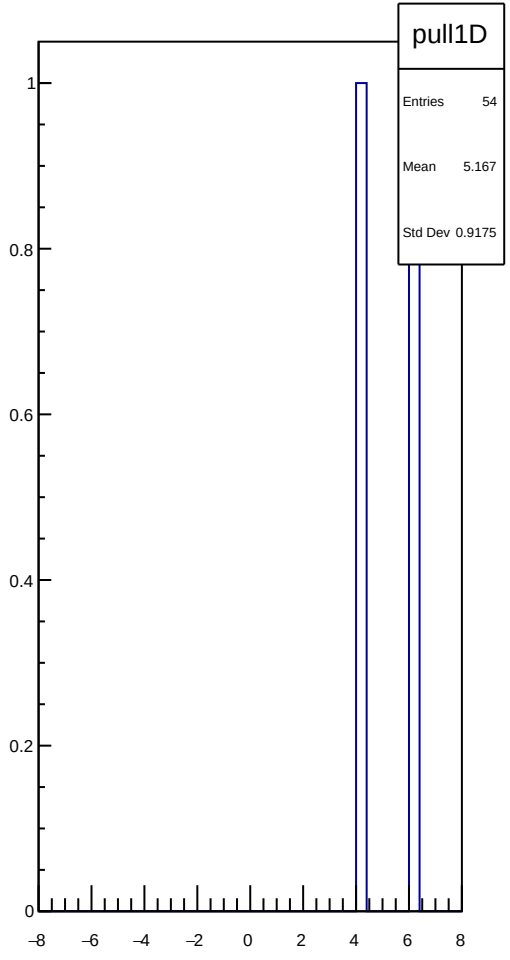

yield_cav4cY_rms vs run
χ² / ndf 1.985e+05 / 53
p0 0.4012 ± 0.000442
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

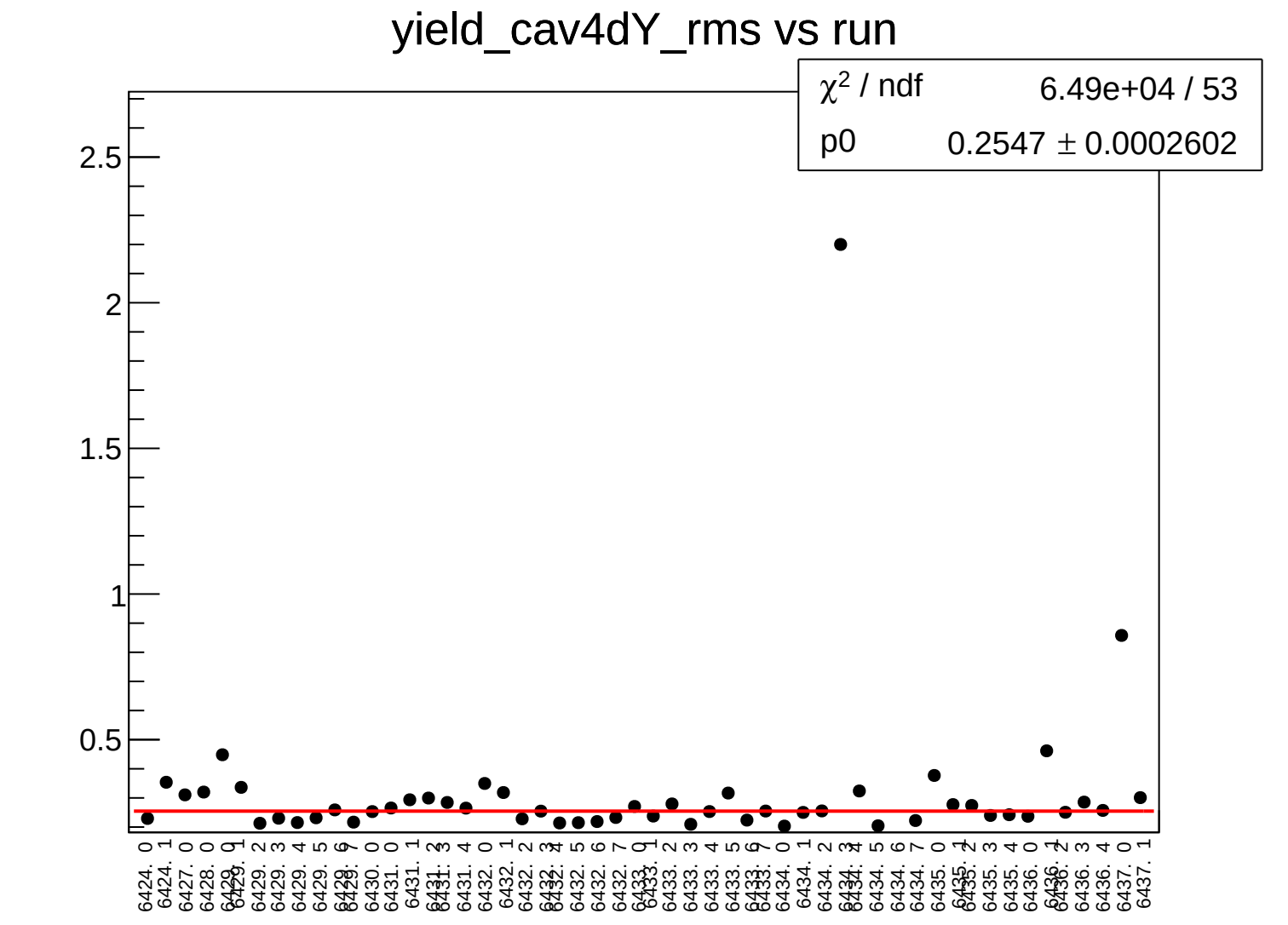

yield_cav4dX_mean vs run
χ² / ndf 2.046e+06 / 53
p0 1.458 ± 0.0005866
pull
Entries 54
Mean 55.19
Std Dev 0

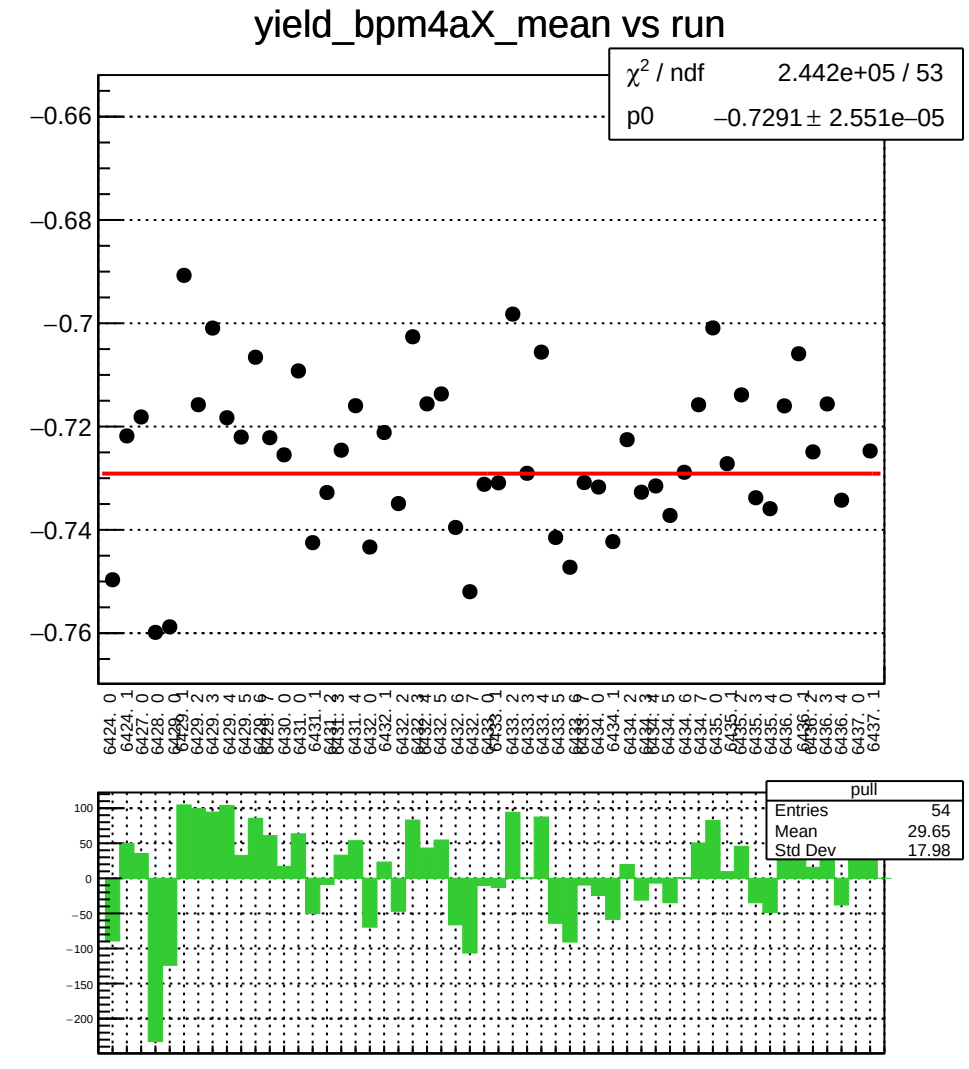

pull1D
Entries 54
Mean −3.903
Std Dev 4.081

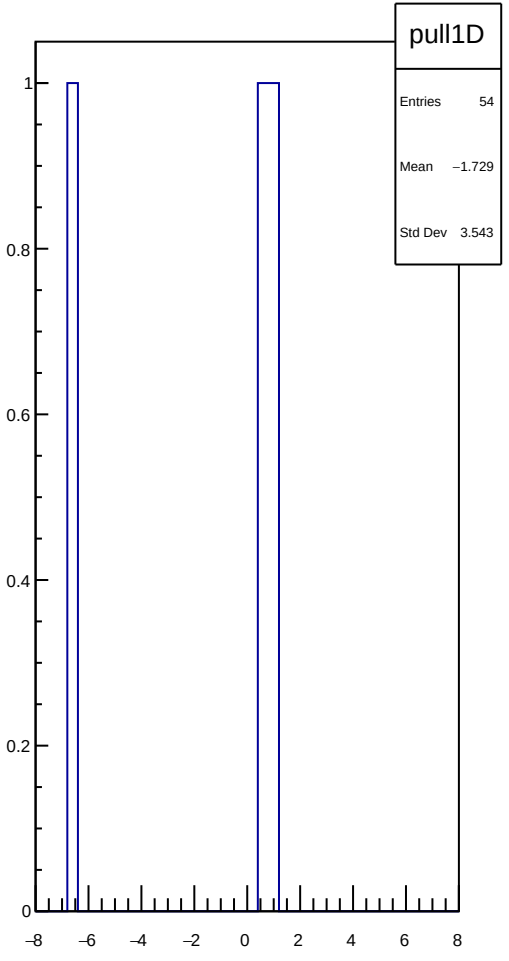

yield_cav4dX_rms vs run
χ² / ndf 1.658e+05 / 53
p0 0.384 ± 0.0004148
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

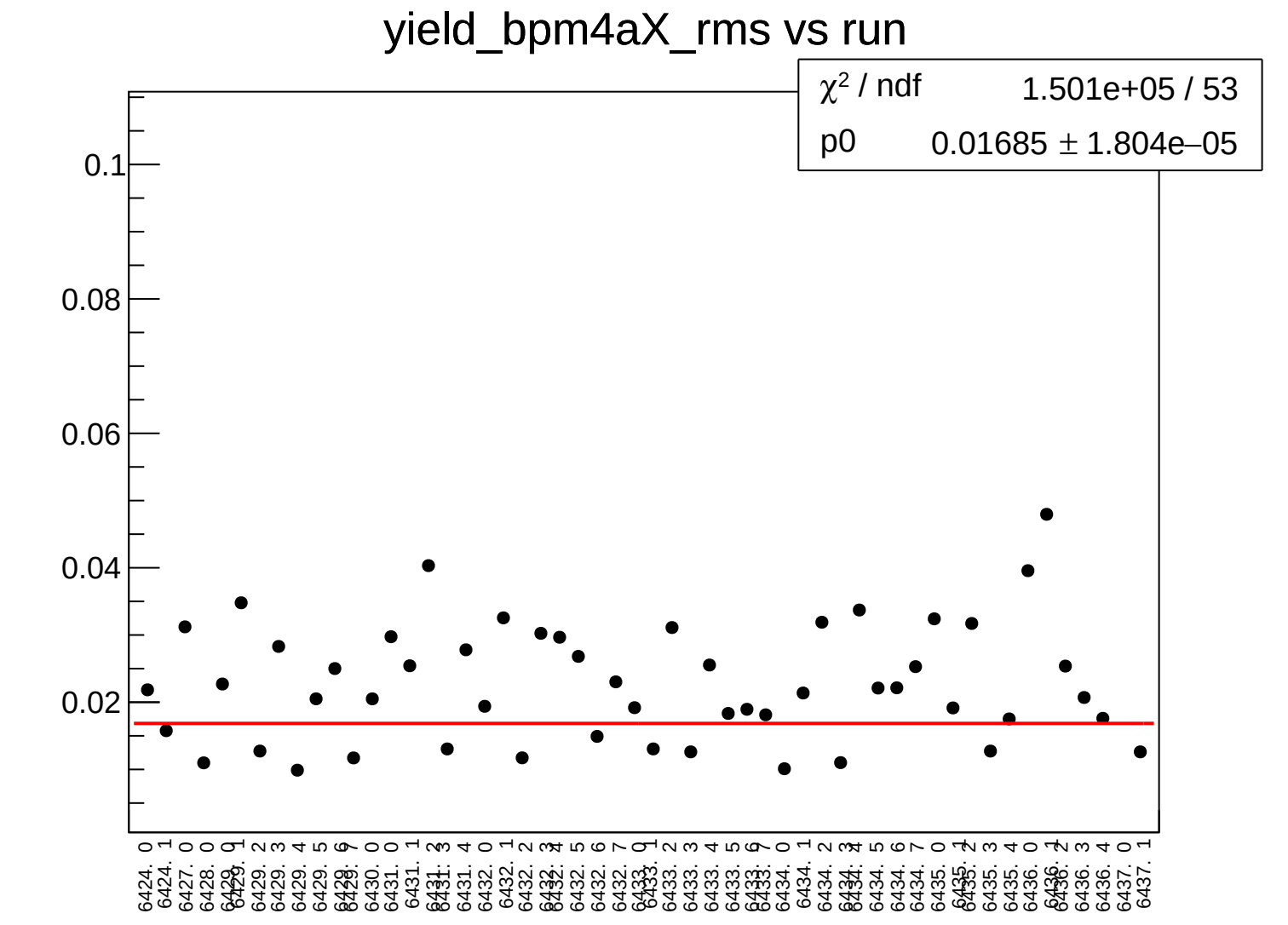

yield_cav4dY_mean vs run
χ² / ndf 1.297e+07 / 53
p0 −32.84 ± 0.000368
pull
Entries 54
Mean 320.8
Std Dev 0

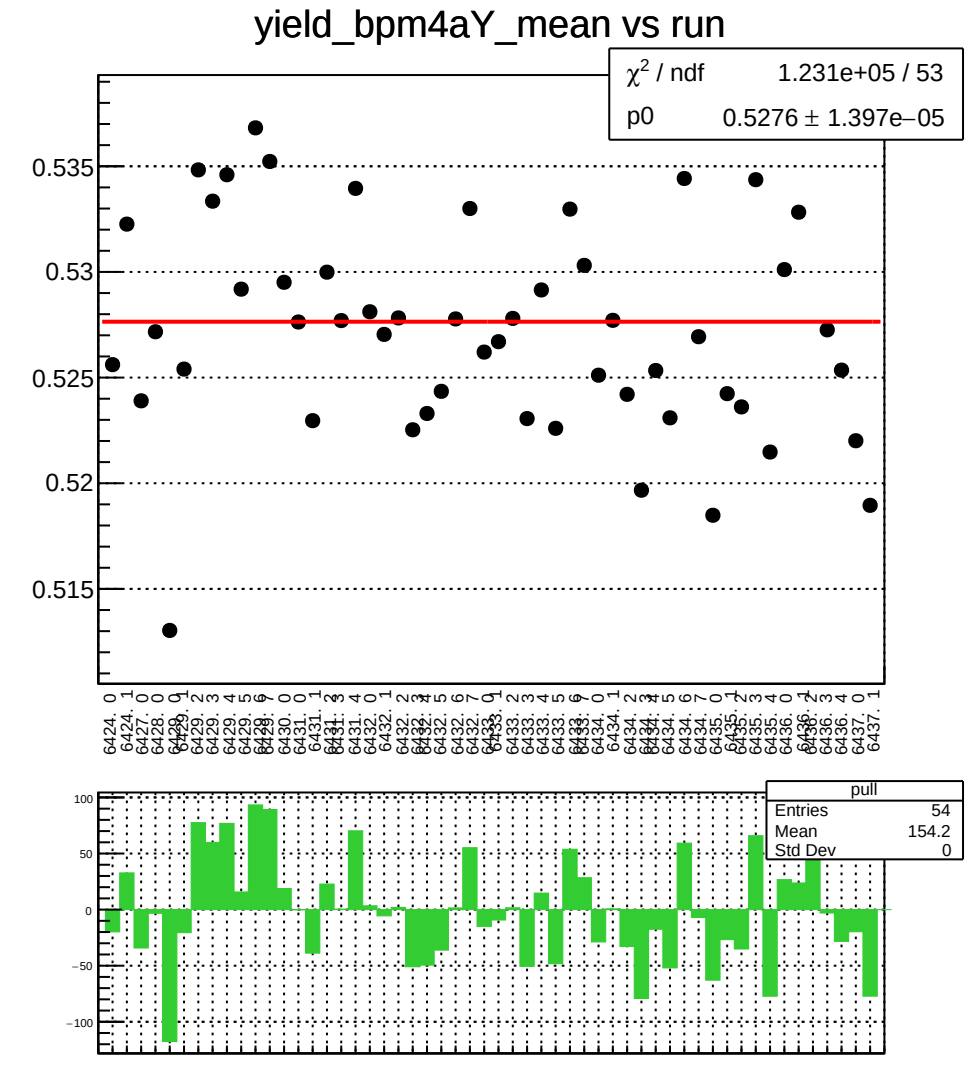

pull1D
Entries 54
Mean 5.167
Std Dev 0.9175

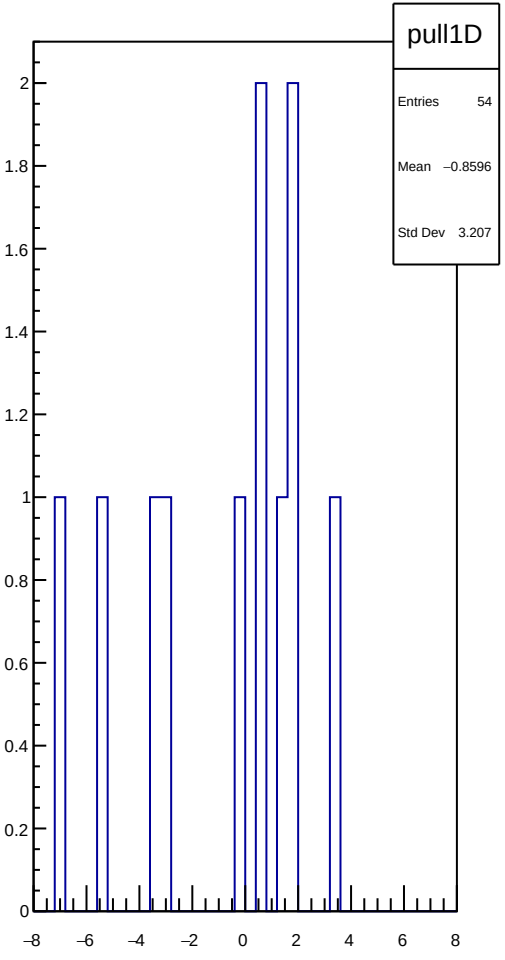

yield_cav4dY_rms vs run
χ² / ndf 6.49e+04 / 53
p0 0.2547 ± 0.0002602
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

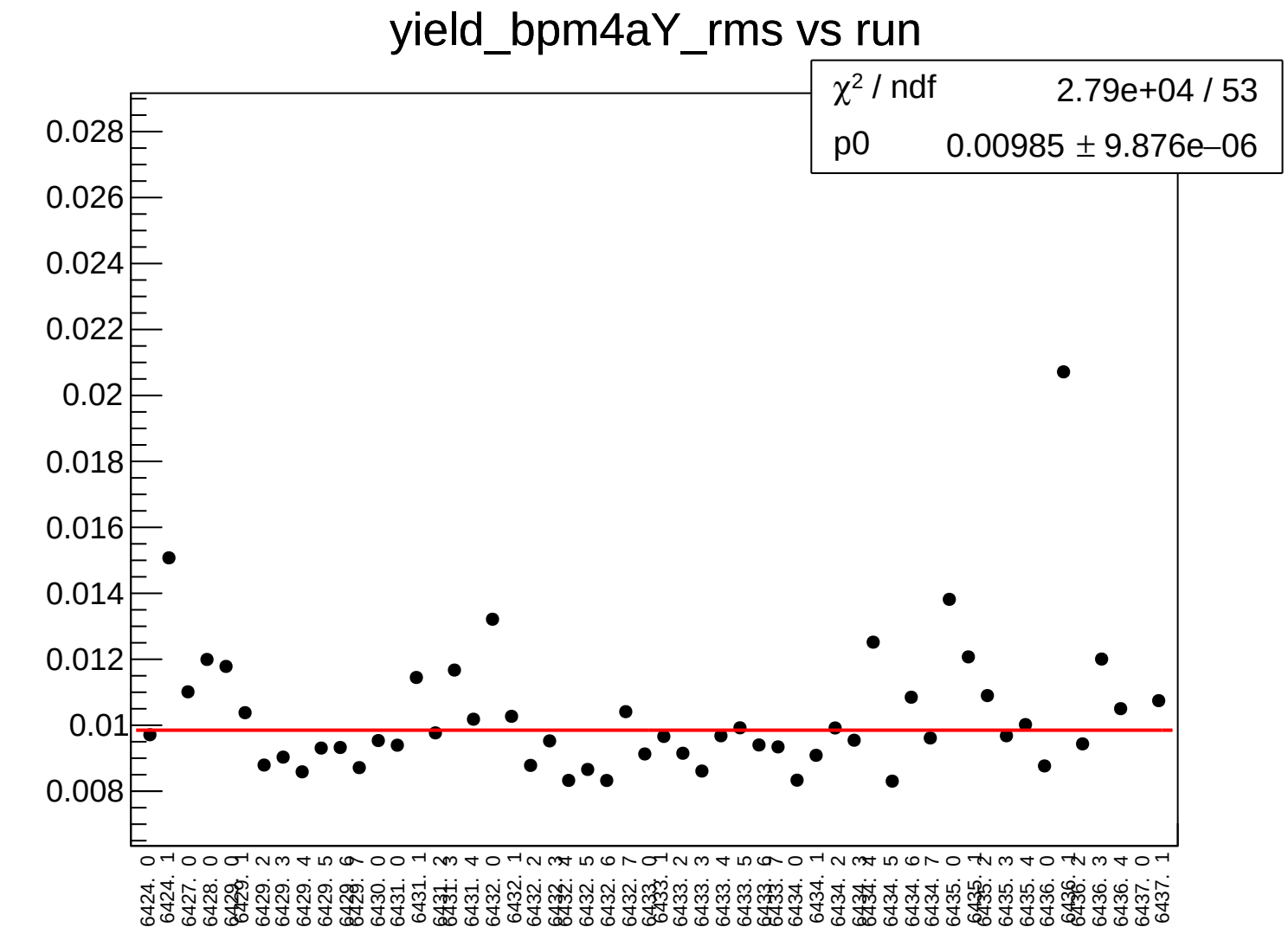

yield_bpm4aX_mean vs run
χ² / ndf 2.442e+05 / 53
p0 −0.7291 ± 2.551e−05
−0.66
−0.68
−0.7
−0.72
−0.74
−0.76
pull
Entries 54
Mean 29.65
Std Dev 17.98
100
50
0
−50
−100
−150
−200

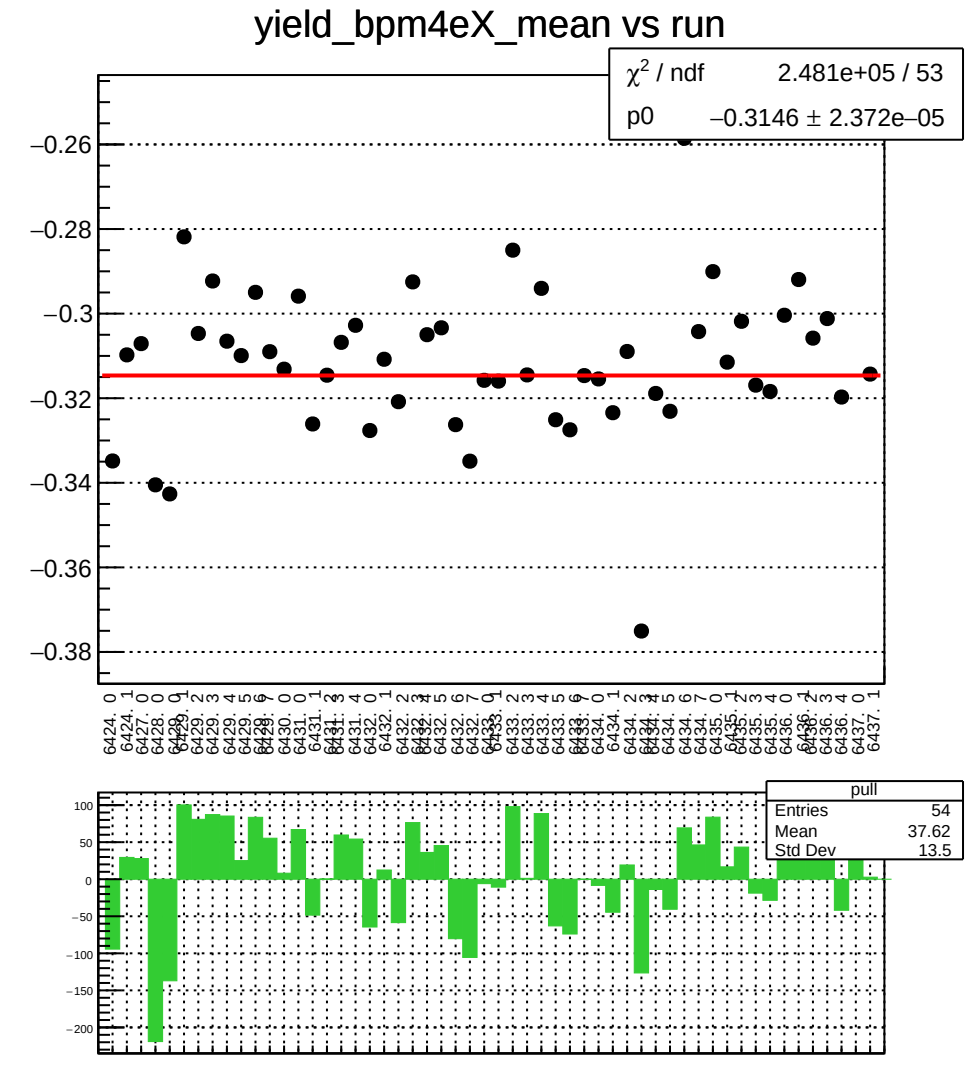

pull1D
Entries 54
Mean −1.729
Std Dev 3.543
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

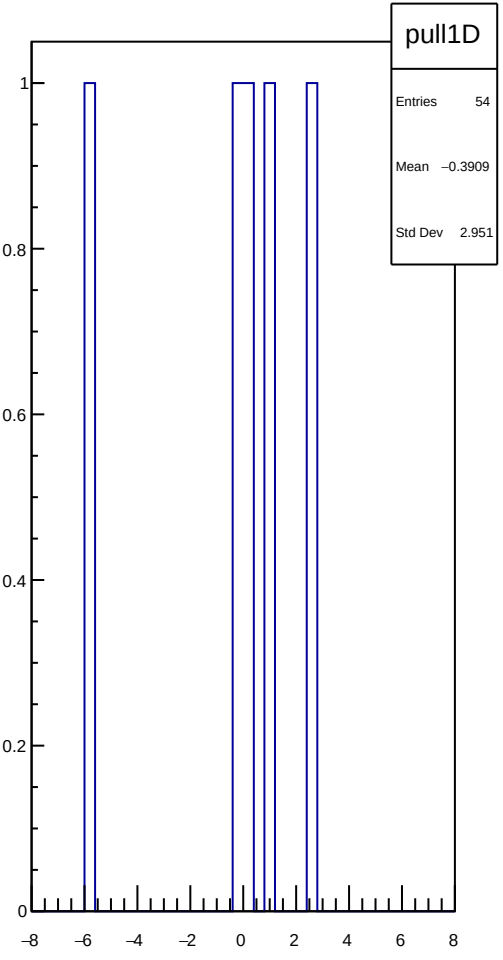

yield_bpm4aX_rms vs run
χ² / ndf 1.501e+05 / 53
p0 0.01685 ± 1.804e–05
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

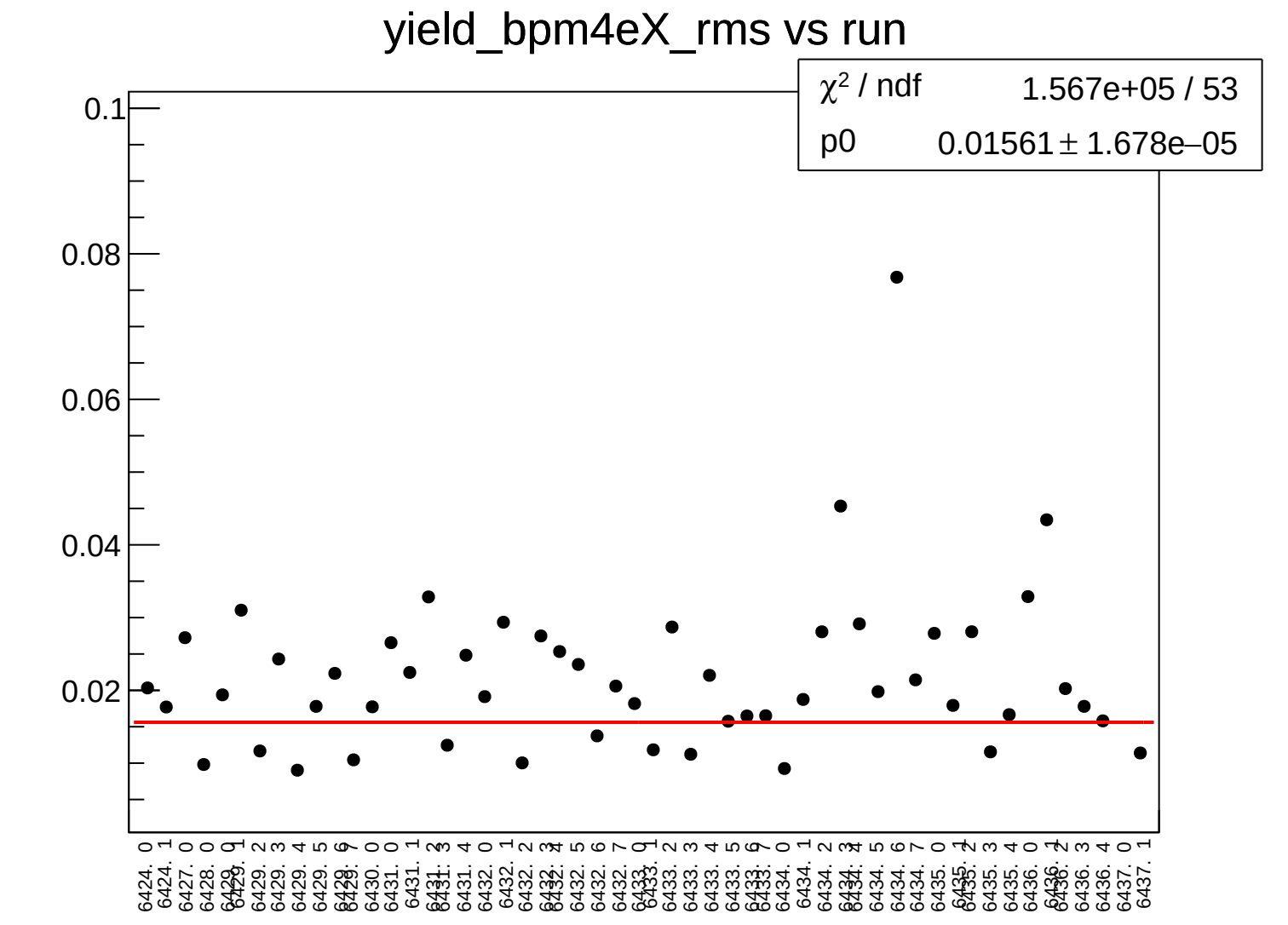

yield_bpm4aY_mean vs run
χ² / ndf 1.231e+05 / 53
p0 0.5276 ± 1.397e−05
0.535
0.53
0.525
0.52
0.515
pull
Entries 54
Mean 154.2
Std Dev 0
100
50
0
−50
−100

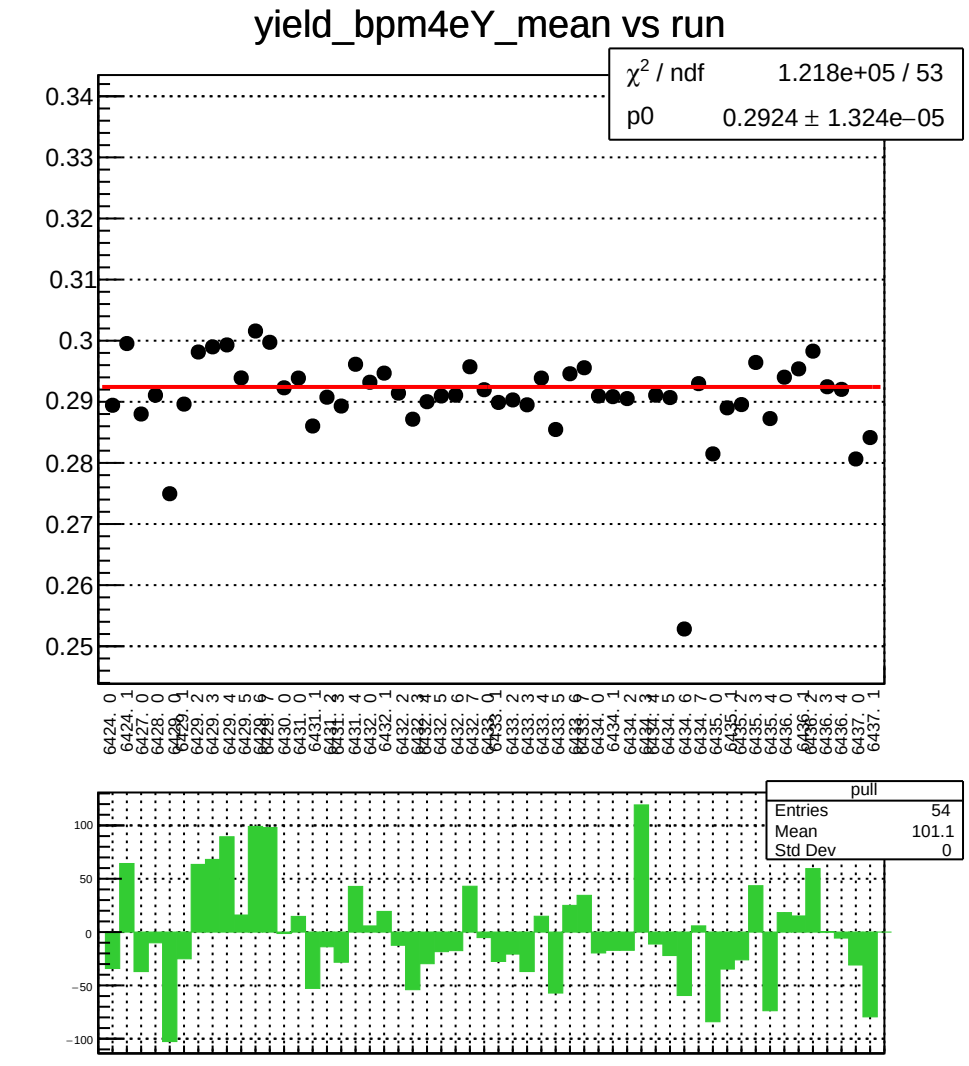

pull1D
Entries 54
Mean −0.8596
Std Dev 3.207
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

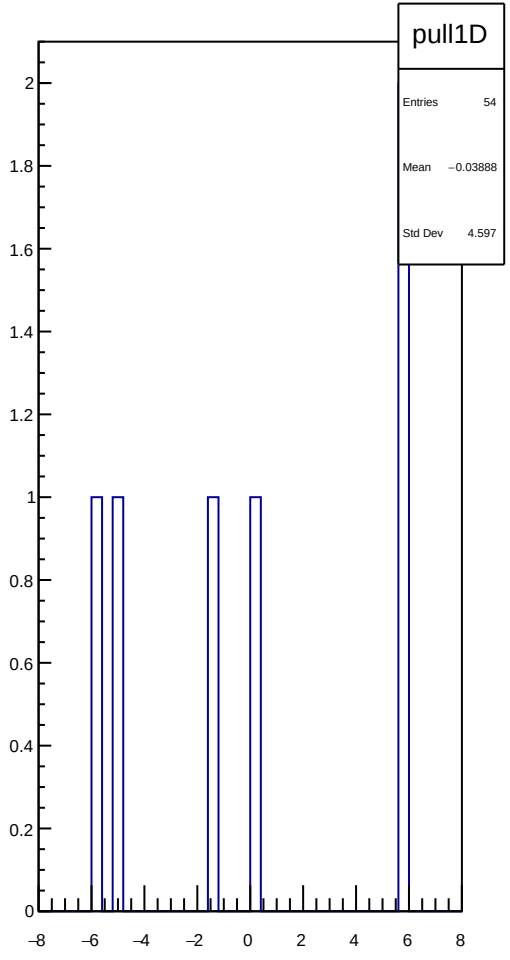

yield_bpm4aY_rms vs run
χ² / ndf 2.79e+04 / 53
p0 0.00985 ± 9.876e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

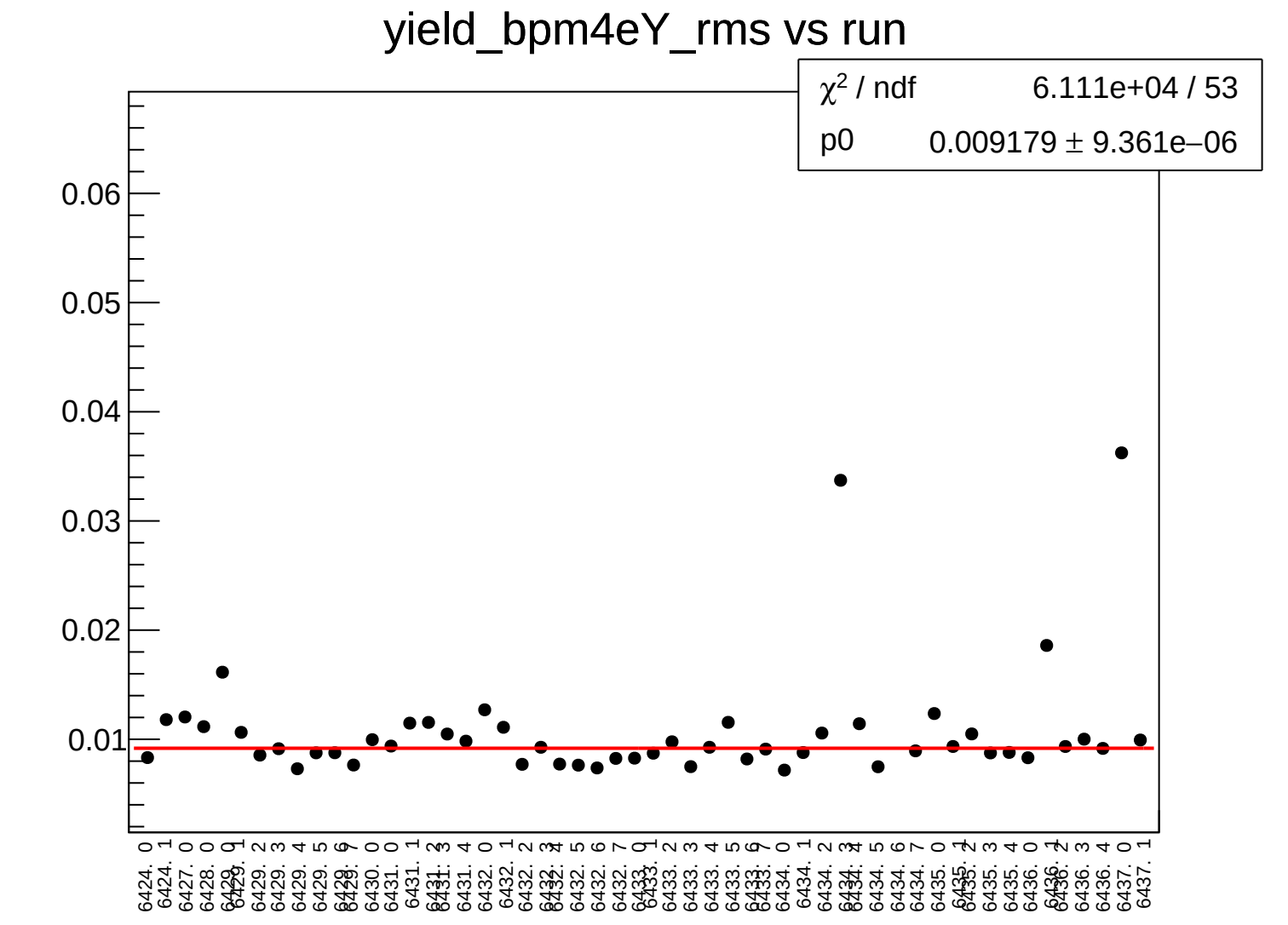

yield_bpm4eX_mean vs run
χ² / ndf 2.481e+05 / 53
p0 −0.3146 ± 2.372e−05
pull
Entries 54
Mean 37.62
Std Dev 13.5

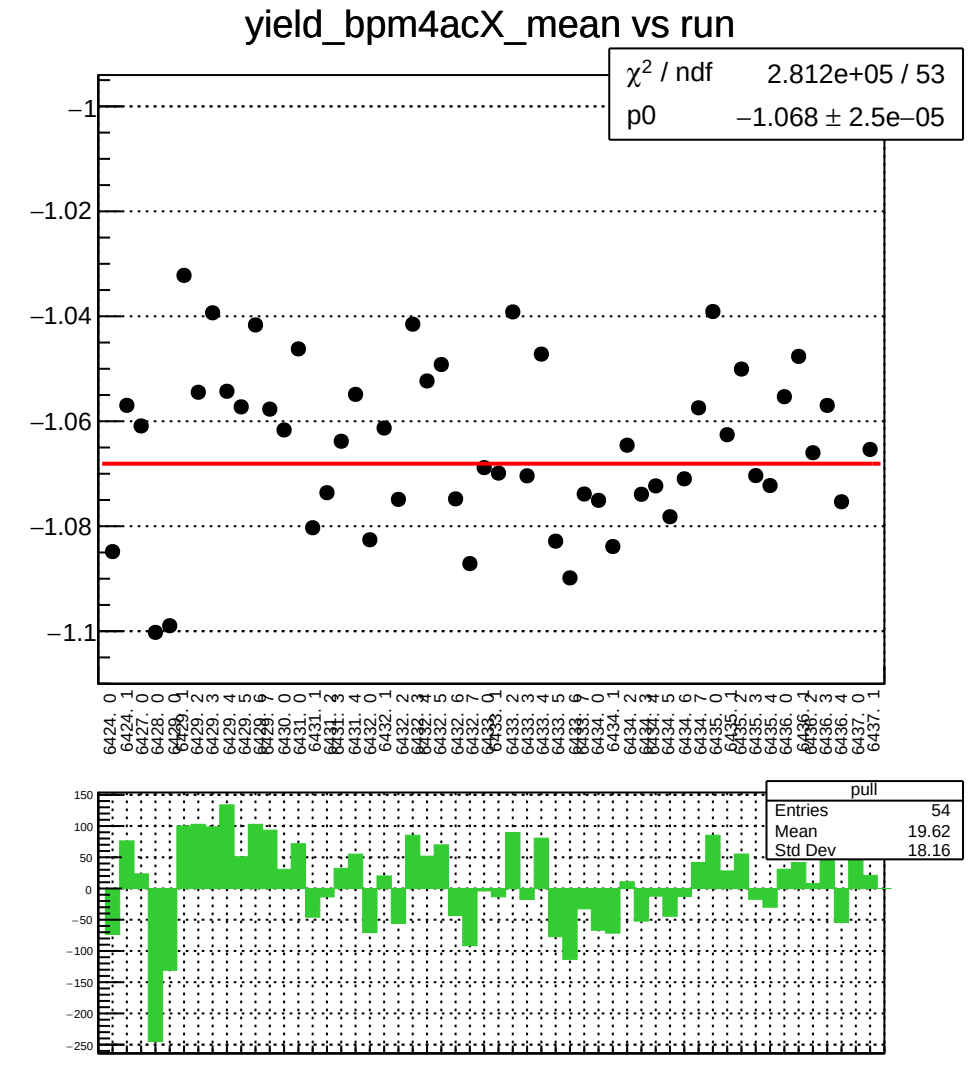

pull1D
Entries 54
Mean −0.3909
Std Dev 2.951

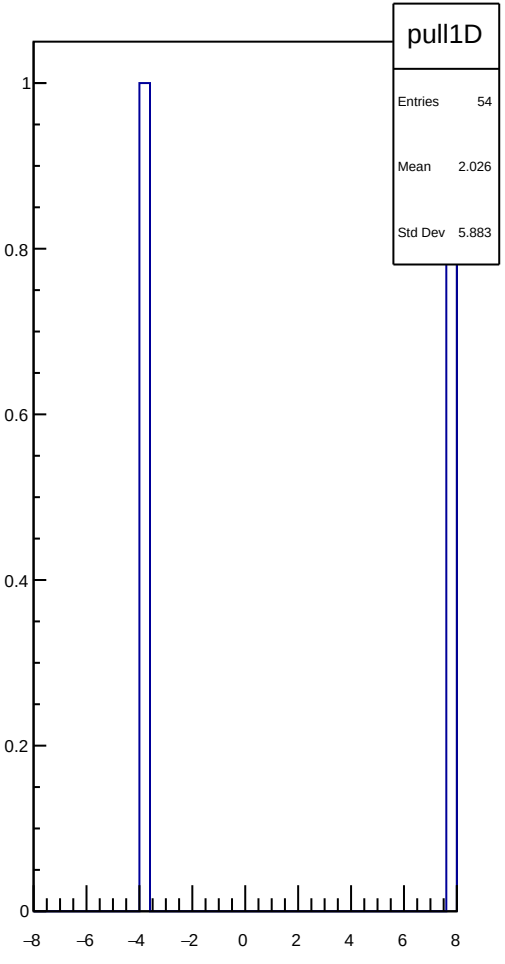

yield_bpm4eX_rms vs run
χ² / ndf 1.567e+05 / 53
p0 0.01561 ± 1.678e–05
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

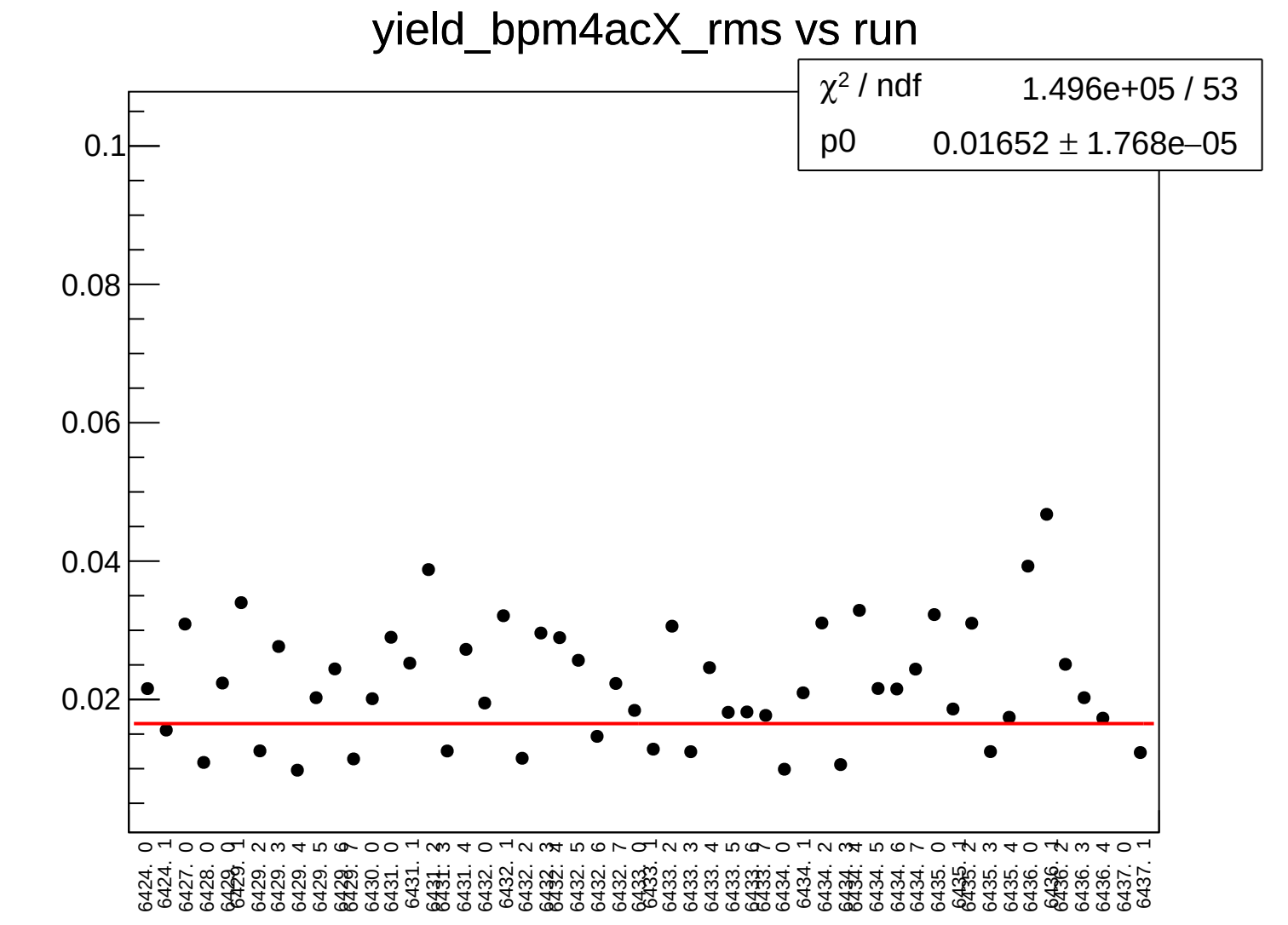

yield_bpm4eY_mean vs run
χ² / ndf 1.218e+05 / 53
p0 0.2924 ± 1.324e−05
pull
Entries 54
Mean 101.1
Std Dev 0

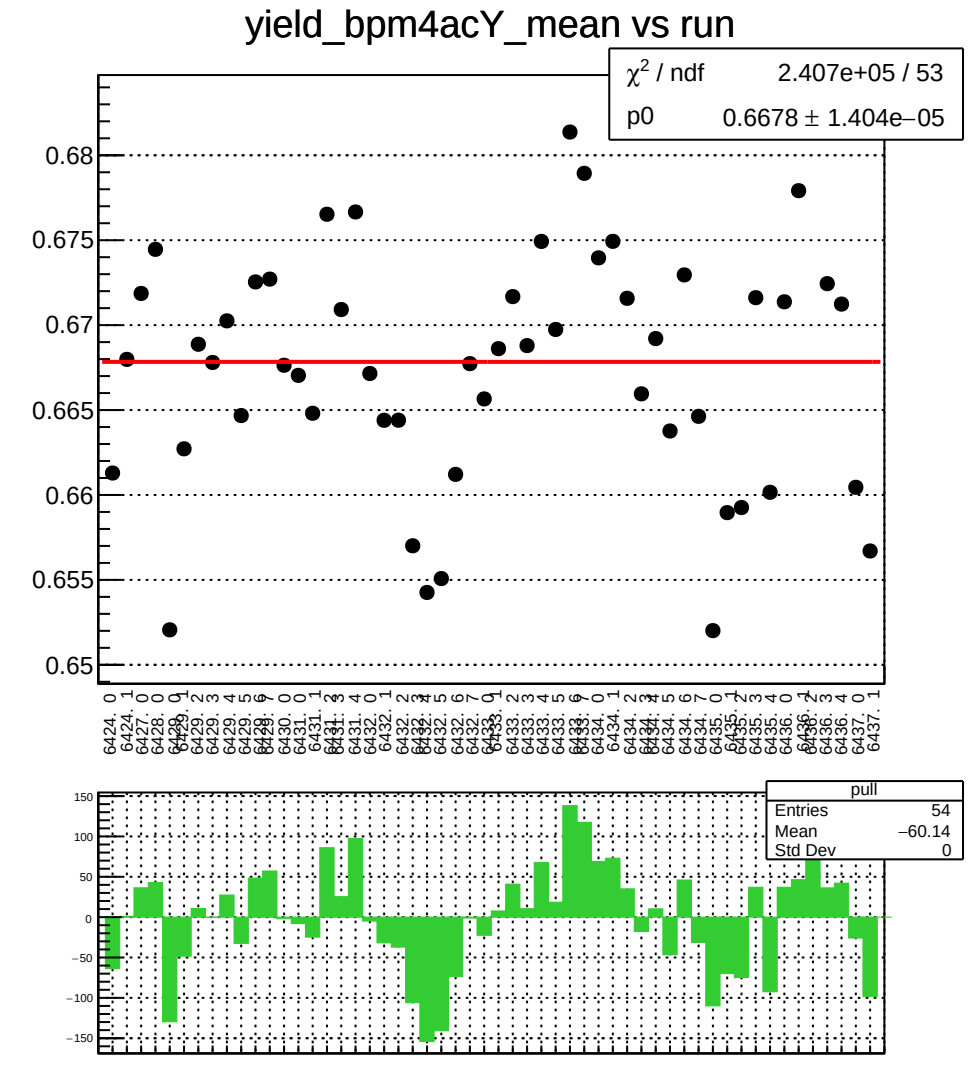

pull1D
Entries 54
Mean −0.03888
Std Dev 4.597

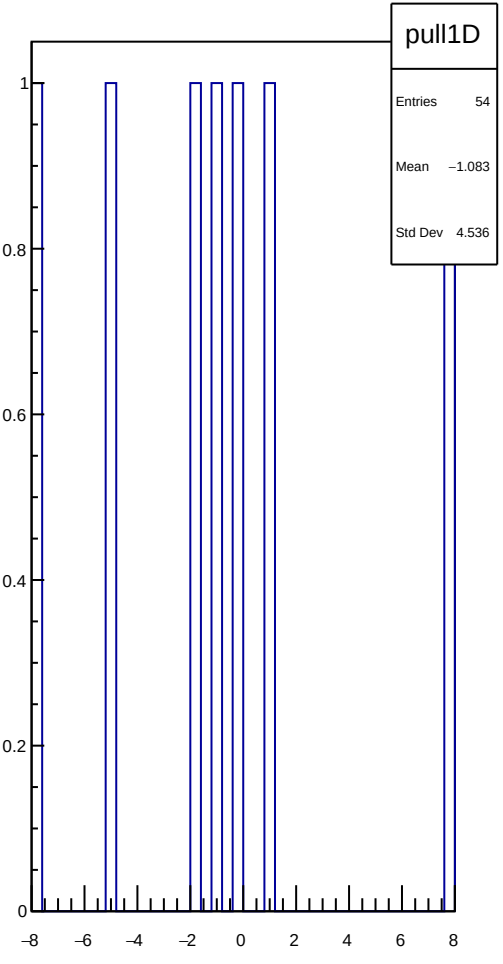

yield_bpm4eY_rms vs run
χ² / ndf 6.111e+04 / 53
p0 0.009179 ± 9.361e−06
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

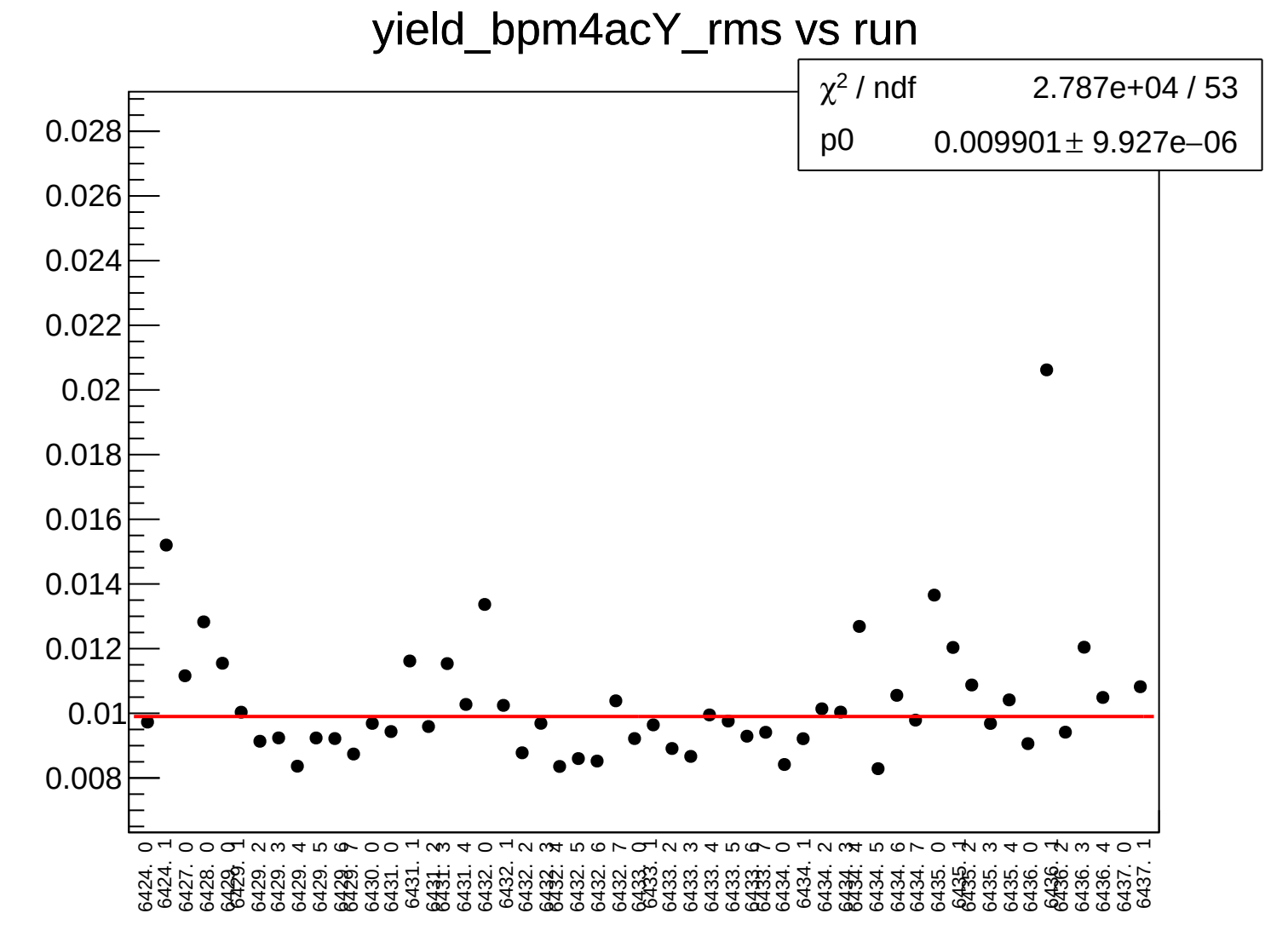

yield_bpm4acX_mean vs run
χ² / ndf 2.812e+05 / 53
p0 −1.068 ± 2.5e−05
pull
Entries 54
Mean 19.62
Std Dev 18.16

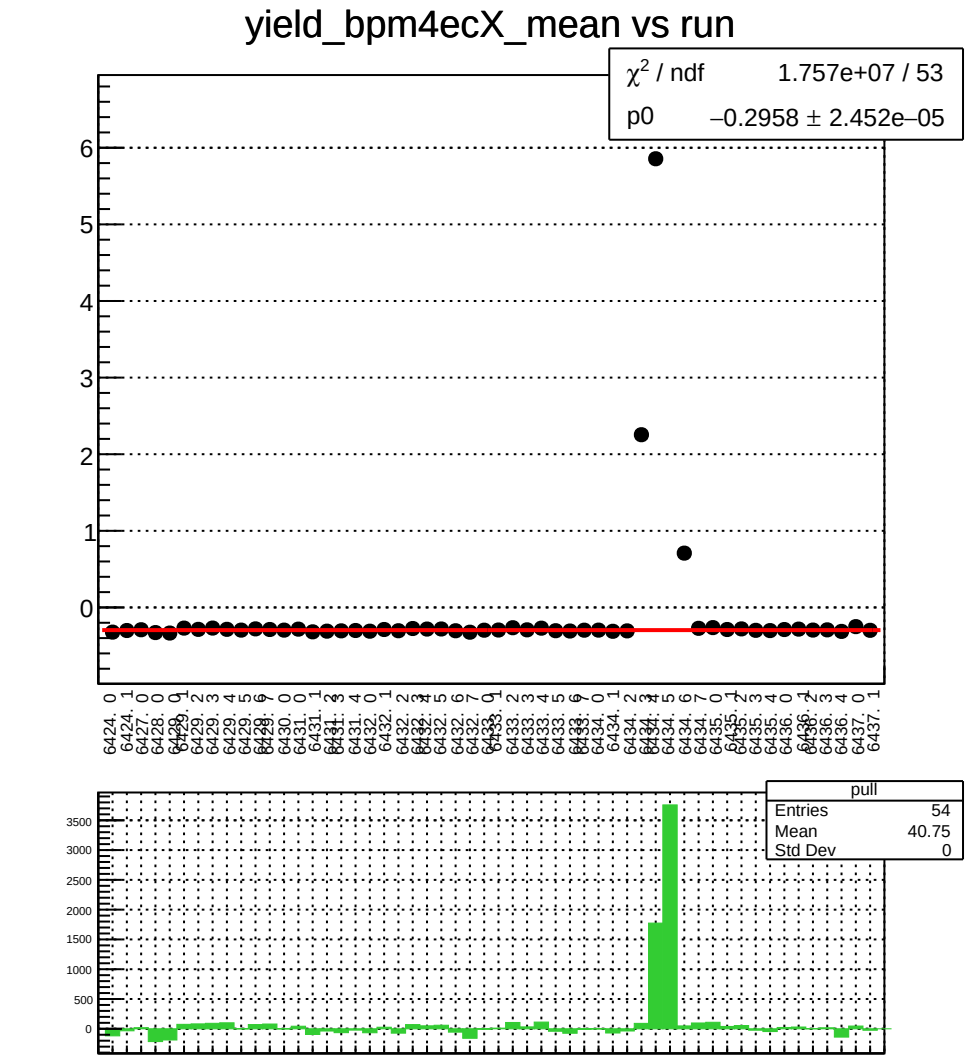

pull1D
Entries 54
Mean 2.026
Std Dev 5.883

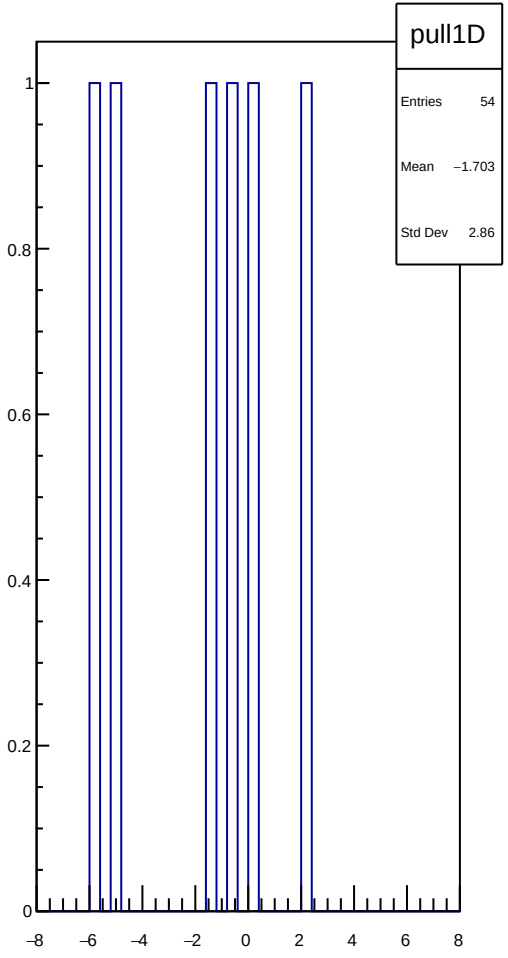

yield_bpm4acX_rms vs run
χ² / ndf 1.496e+05 / 53
p0 0.01652 ± 1.768e−05
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

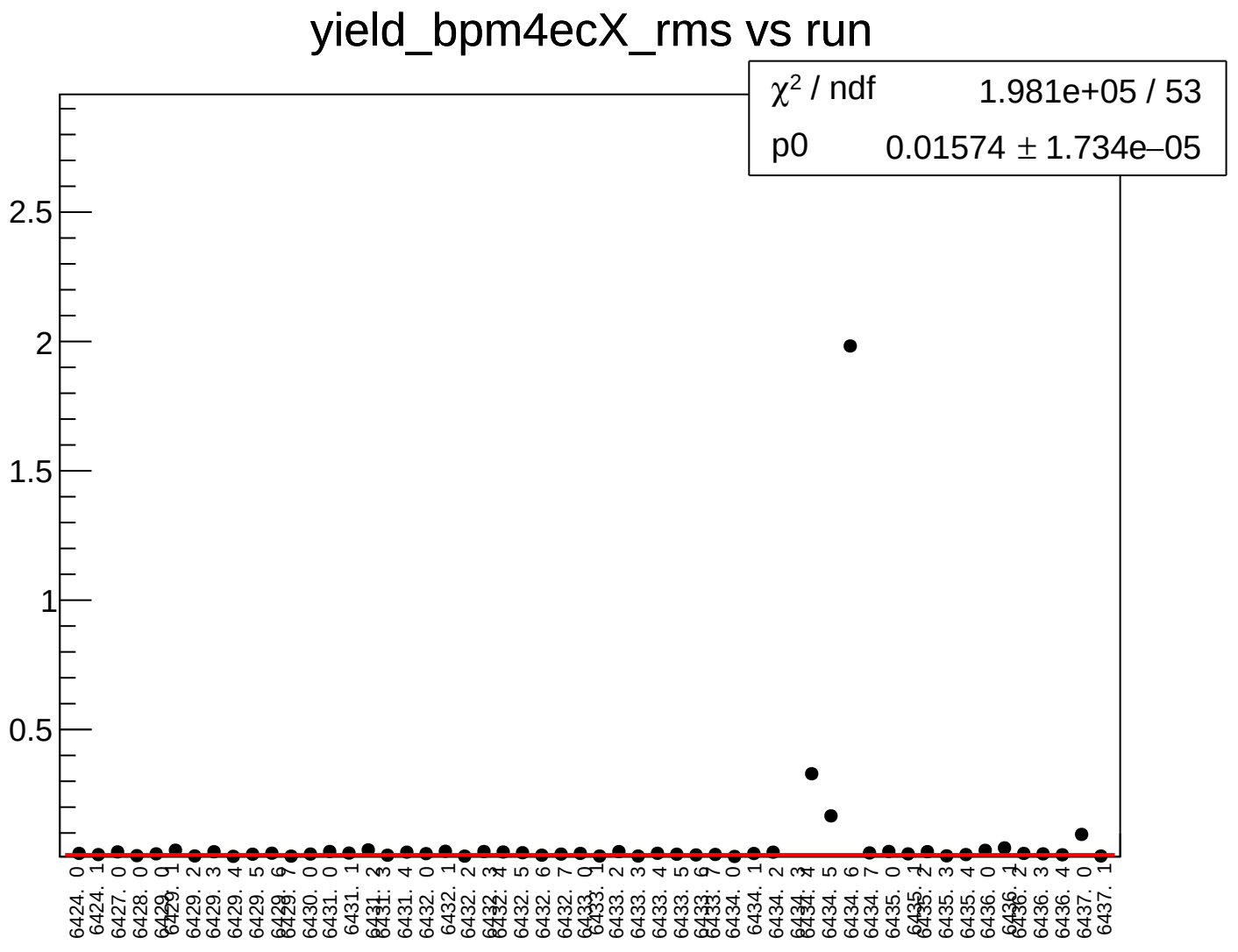

yield_bpm4acY_mean vs run
χ² / ndf 2.407e+05 / 53
p0 0.6678 ± 1.404e−05
0.68
0.675
0.67
0.665
0.66
0.655
0.65
pull
Entries 54
Mean −60.14
Std Dev 0
150
100
50
0
−50
−100
−150

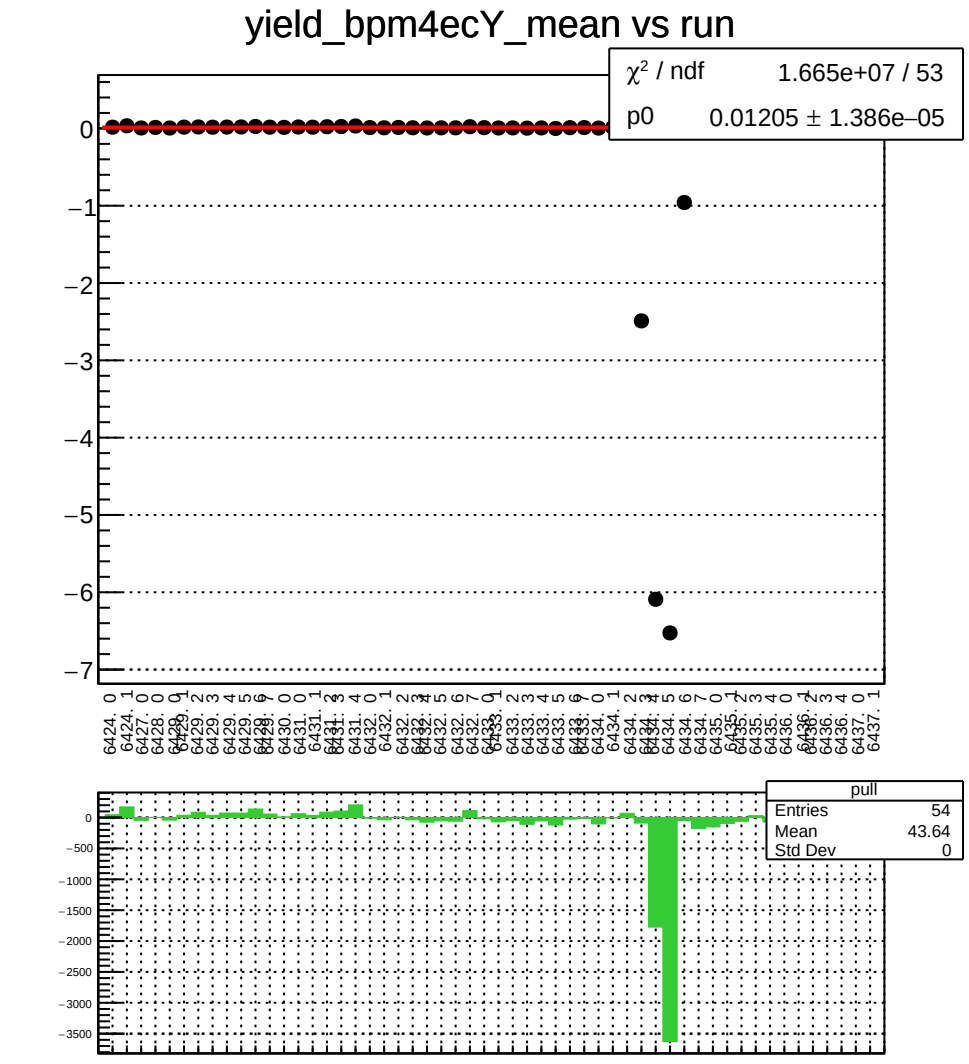

pull1D
Entries 54
Mean −1.083
Std Dev 4.536
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

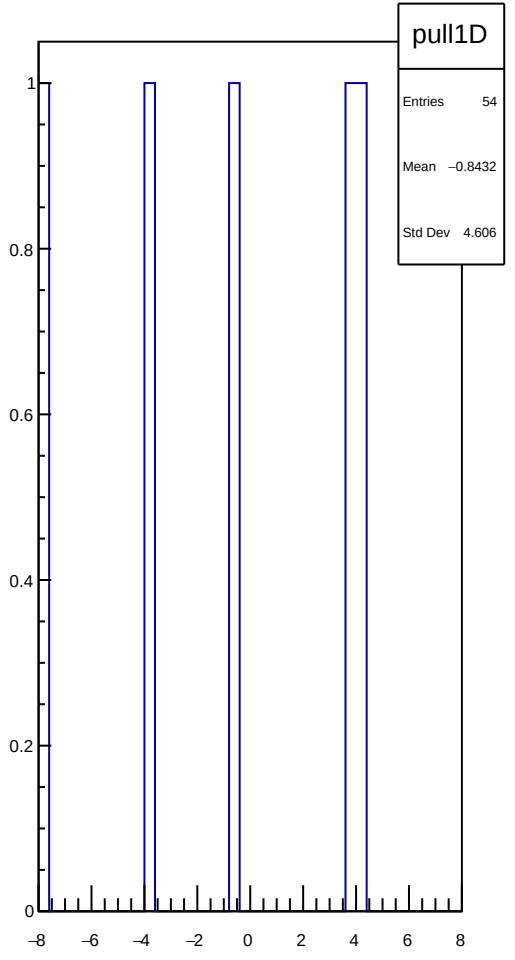

yield_bpm4acY_rms vs run
χ^2 / ndf 2.787e+04 / 53
p0 0.009901 ± 9.927e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

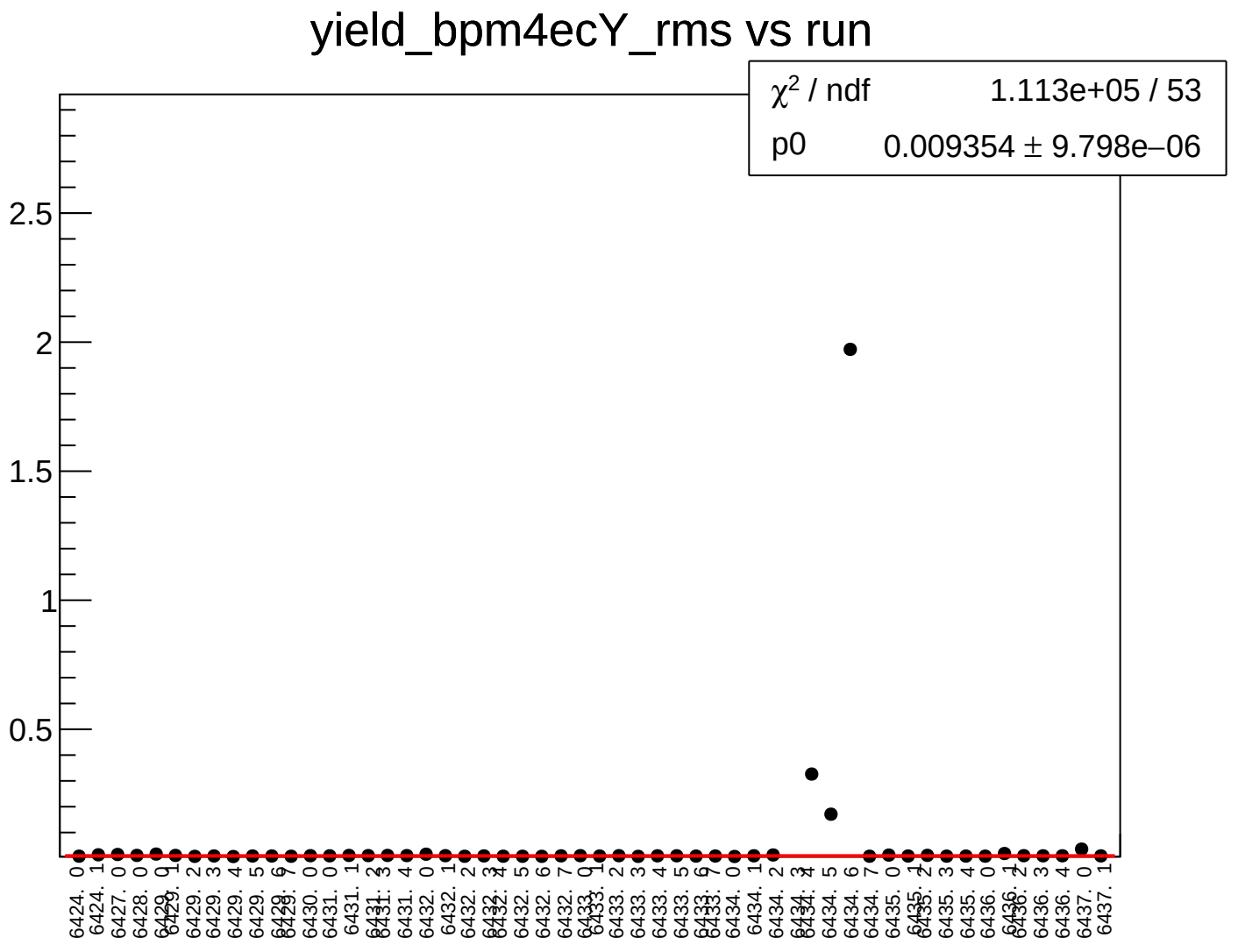

yield_bpm4ecX_mean vs run
χ² / ndf 1.757e+07 / 53
p0 −0.2958 ± 2.452e−05
pull
Entries 54
Mean 40.75
Std Dev 0

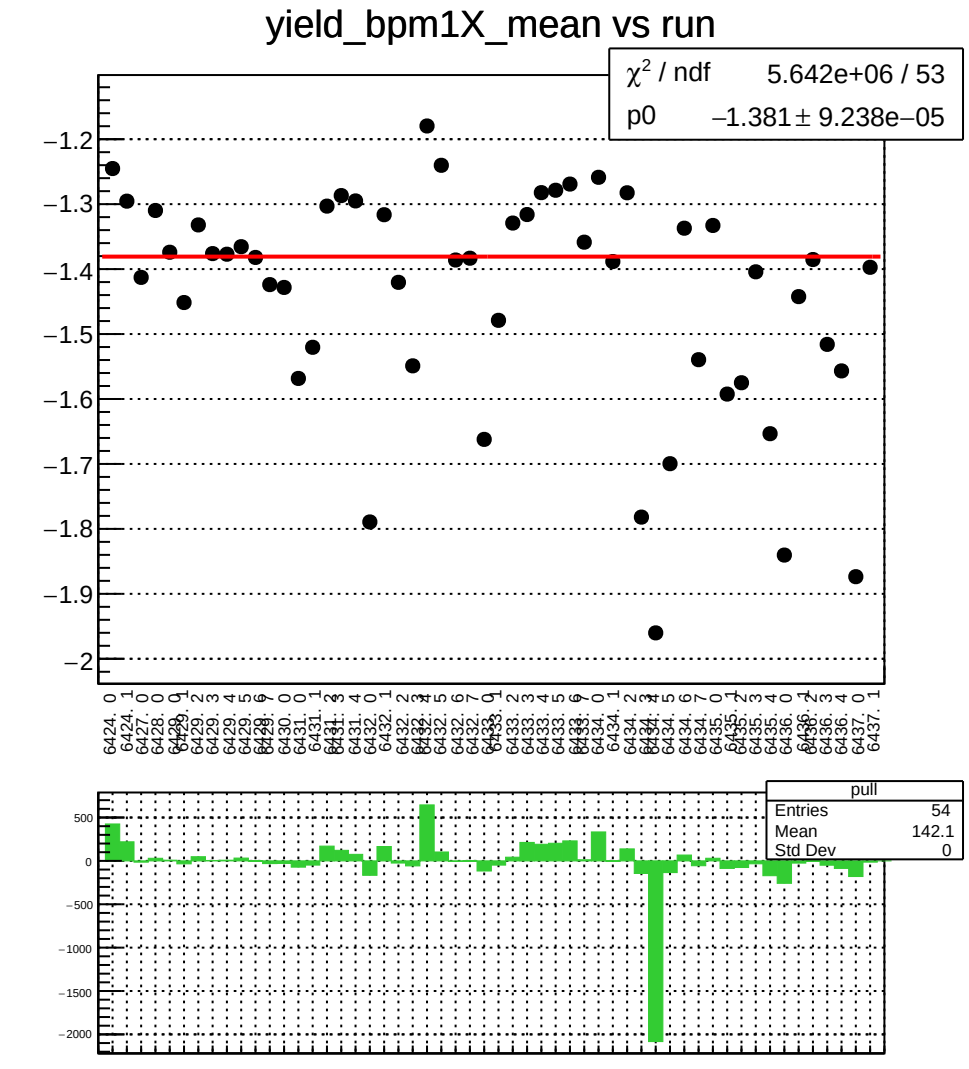

pull1D
Entries 54
Mean −1.703
Std Dev 2.86

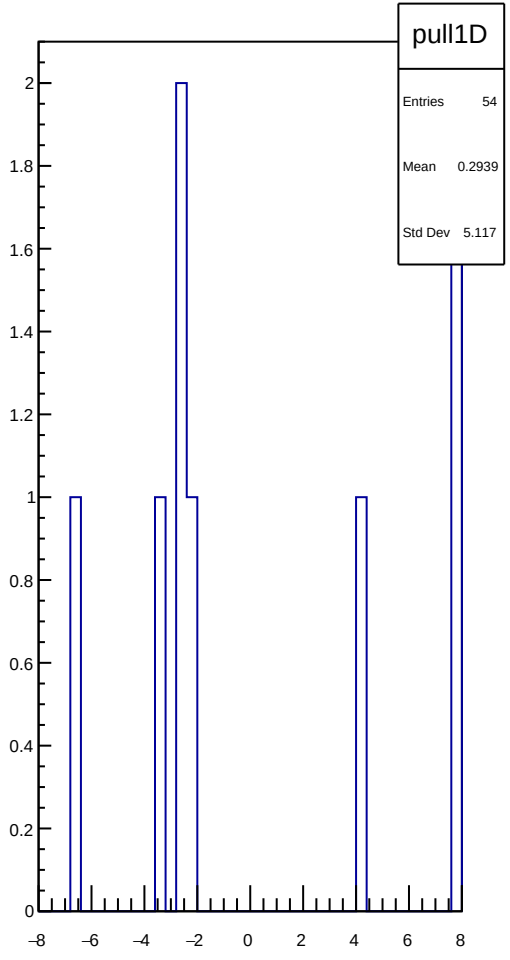

yield_bpm4ecX_rms vs run
χ² / ndf 1.981e+05 / 53
p0 0.01574 ± 1.734e–05
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

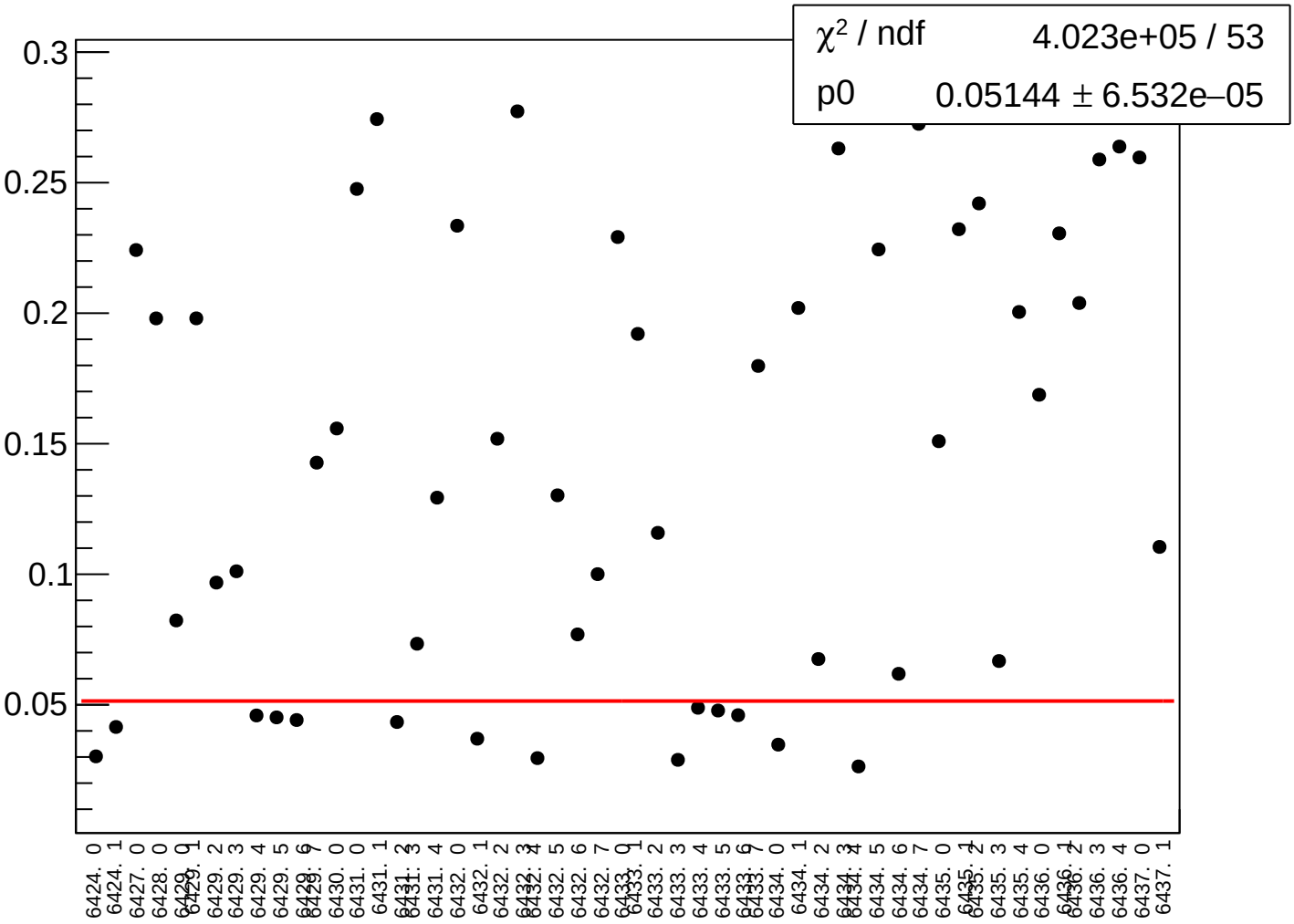

yield_bpm4ecY_mean vs run
χ² / ndf 1.665e+07 / 53
p0 0.01205 ± 1.386e−05
pull
Entries 54
Mean 43.64
Std Dev 0

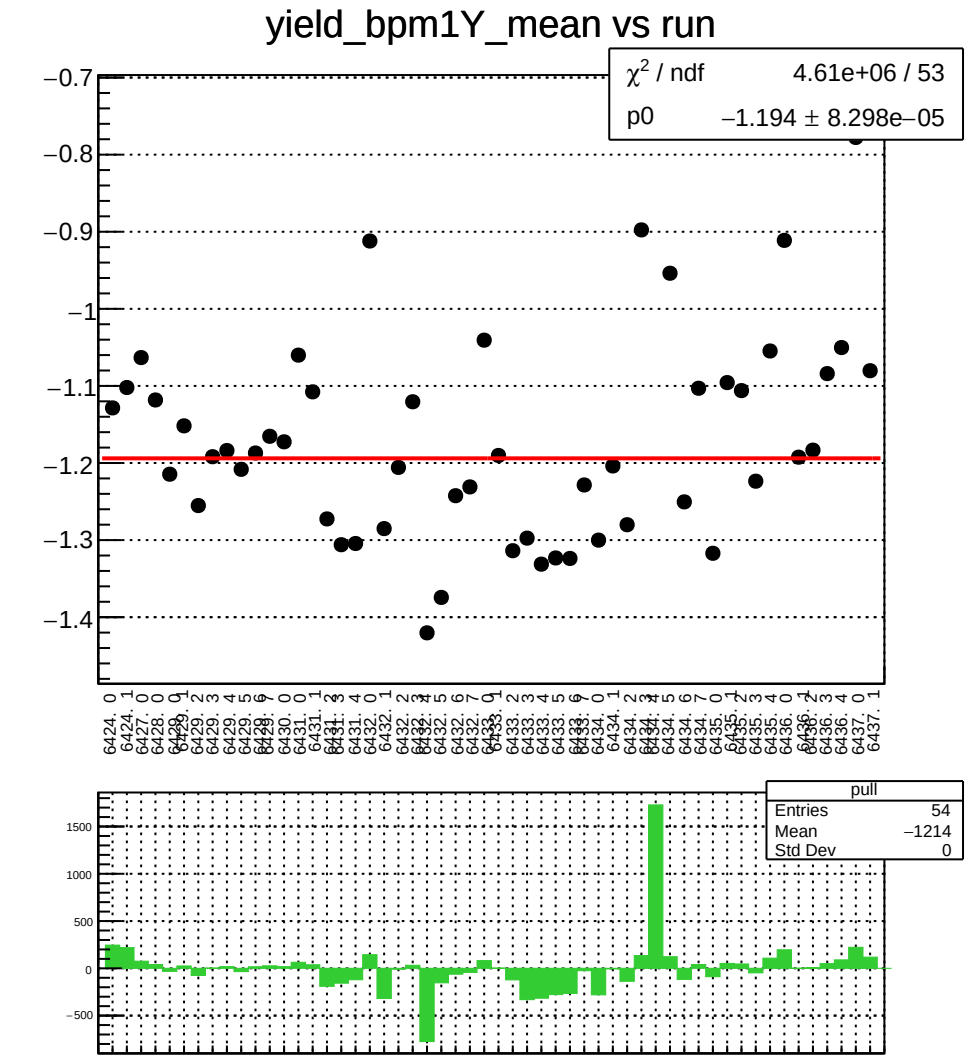

pull1D
Entries 54
Mean −0.8432
Std Dev 4.606

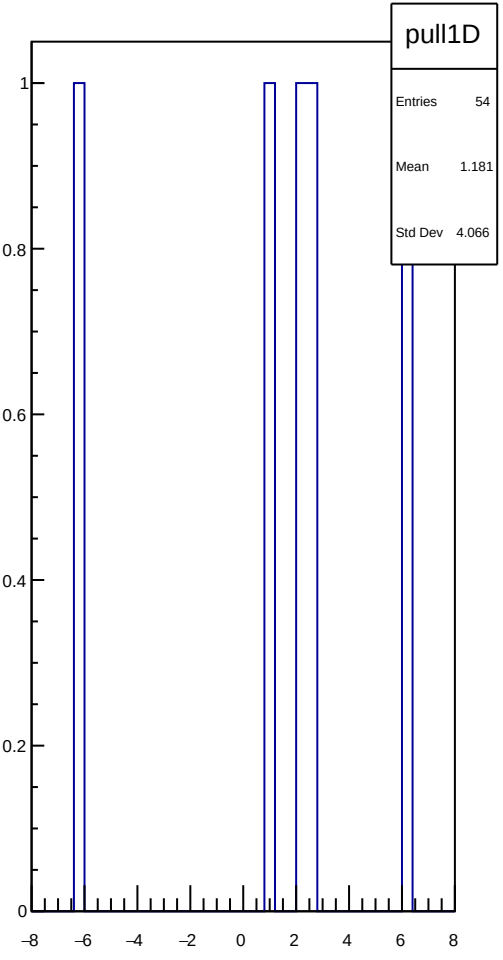

yield_bpm4ecY_rms vs run
χ² / ndf 1.113e+05 / 53
p0 0.009354 ± 9.798e−06
2.5
2
1.5
1
0.5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6435. 5
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

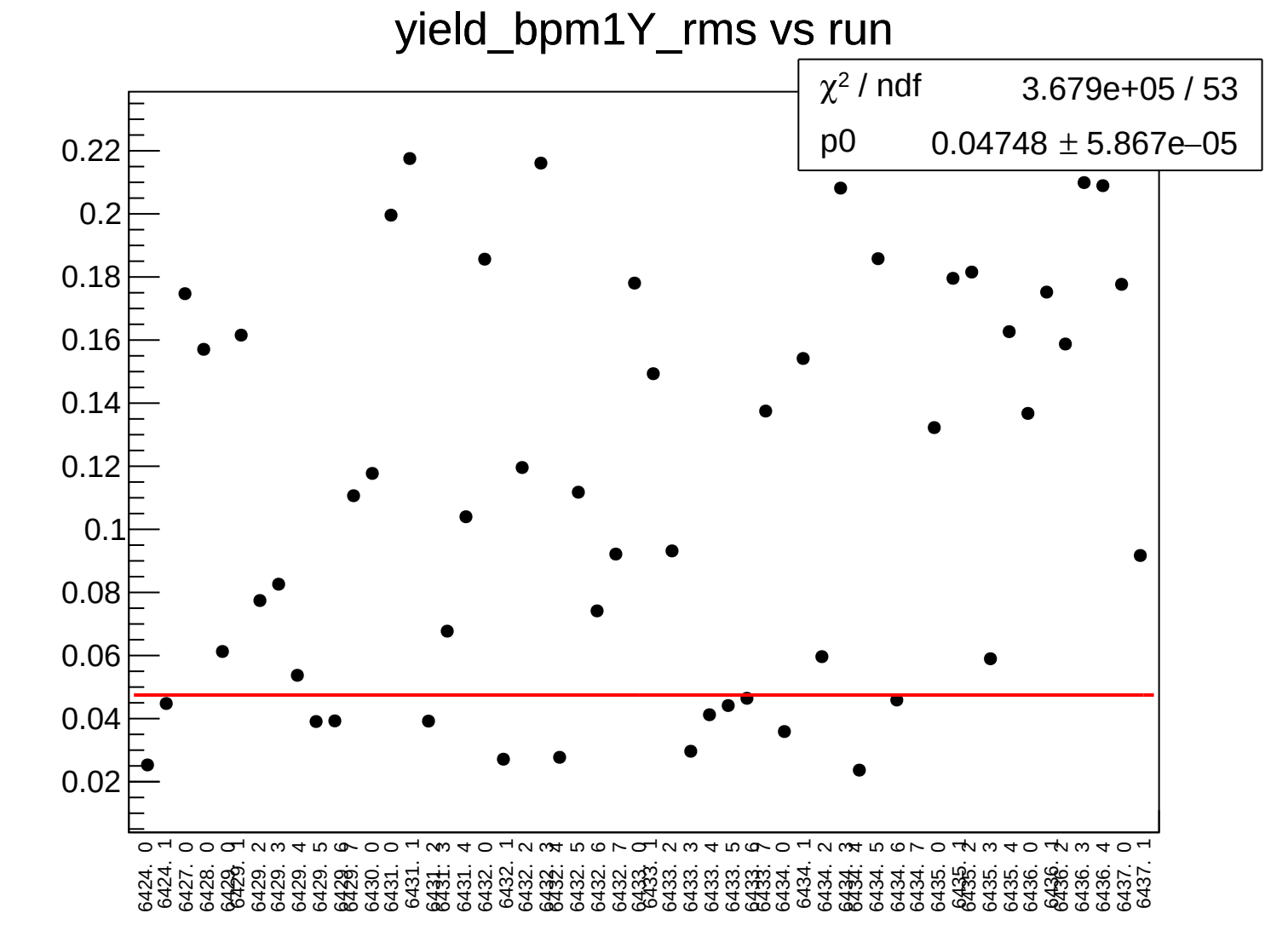

yield_bpm1X_mean vs run
χ² / ndf 5.642e+06 / 53
p0 −1.381 ± 9.238e−05
pull
Entries 54
Mean 142.1
Std Dev 0

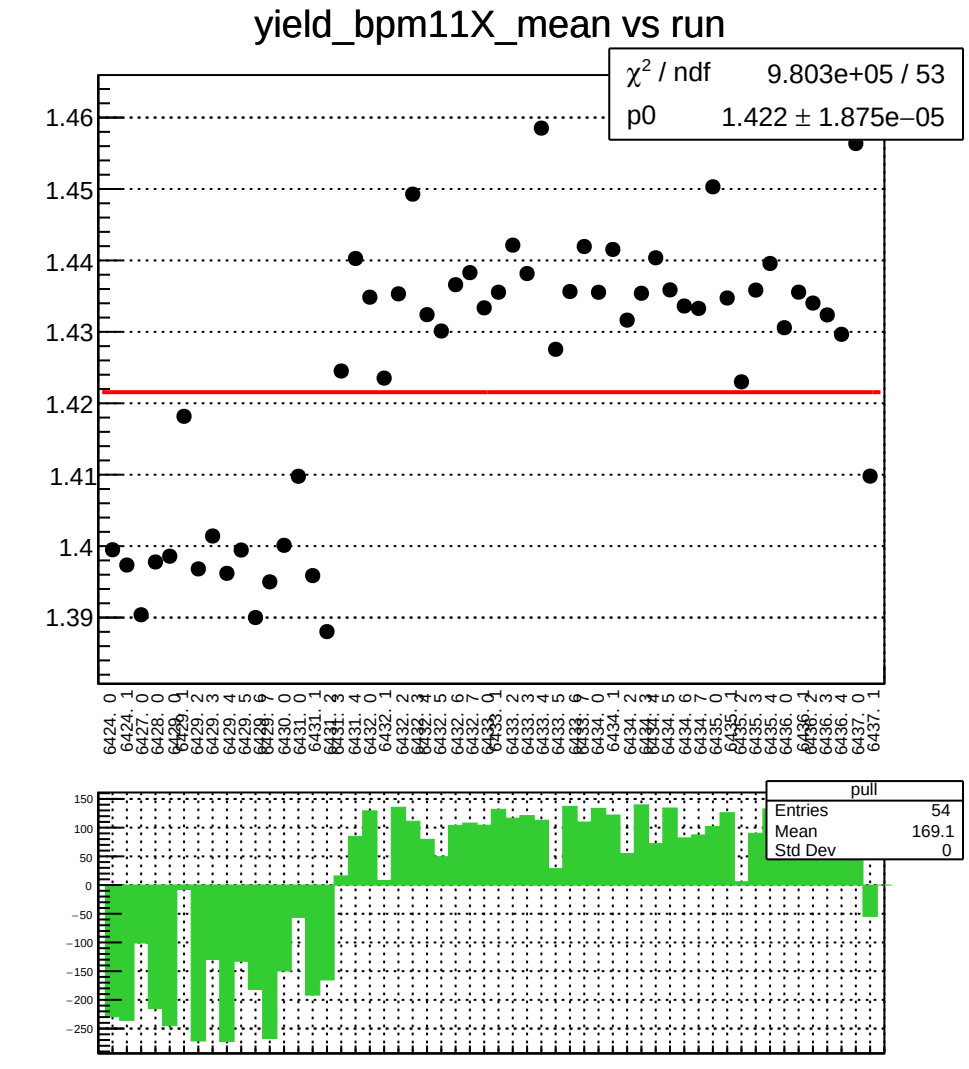

pull1D
Entries 54
Mean 0.2939
Std Dev 5.117

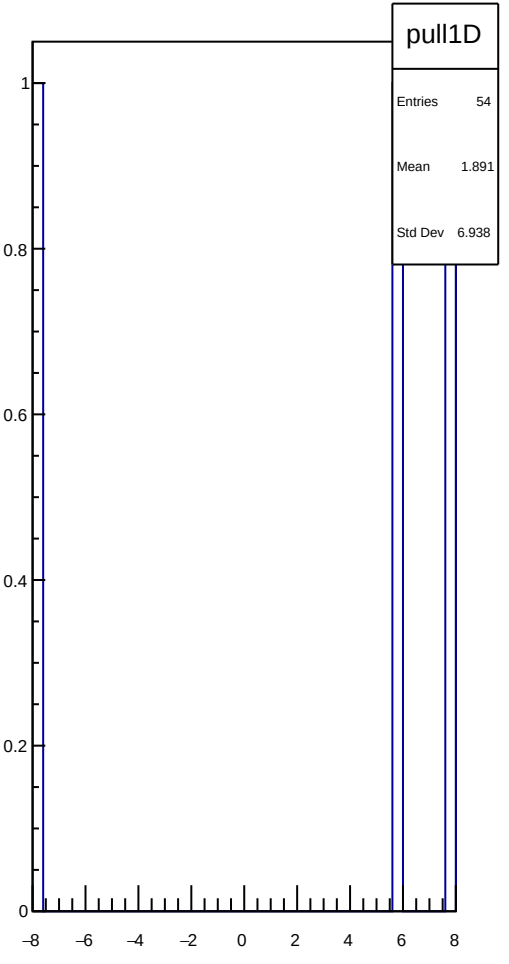

yield_bpm1X_rms vs run
χ² / ndf 4.023e+05 / 53
p0 0.05144 ± 6.532e–05
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

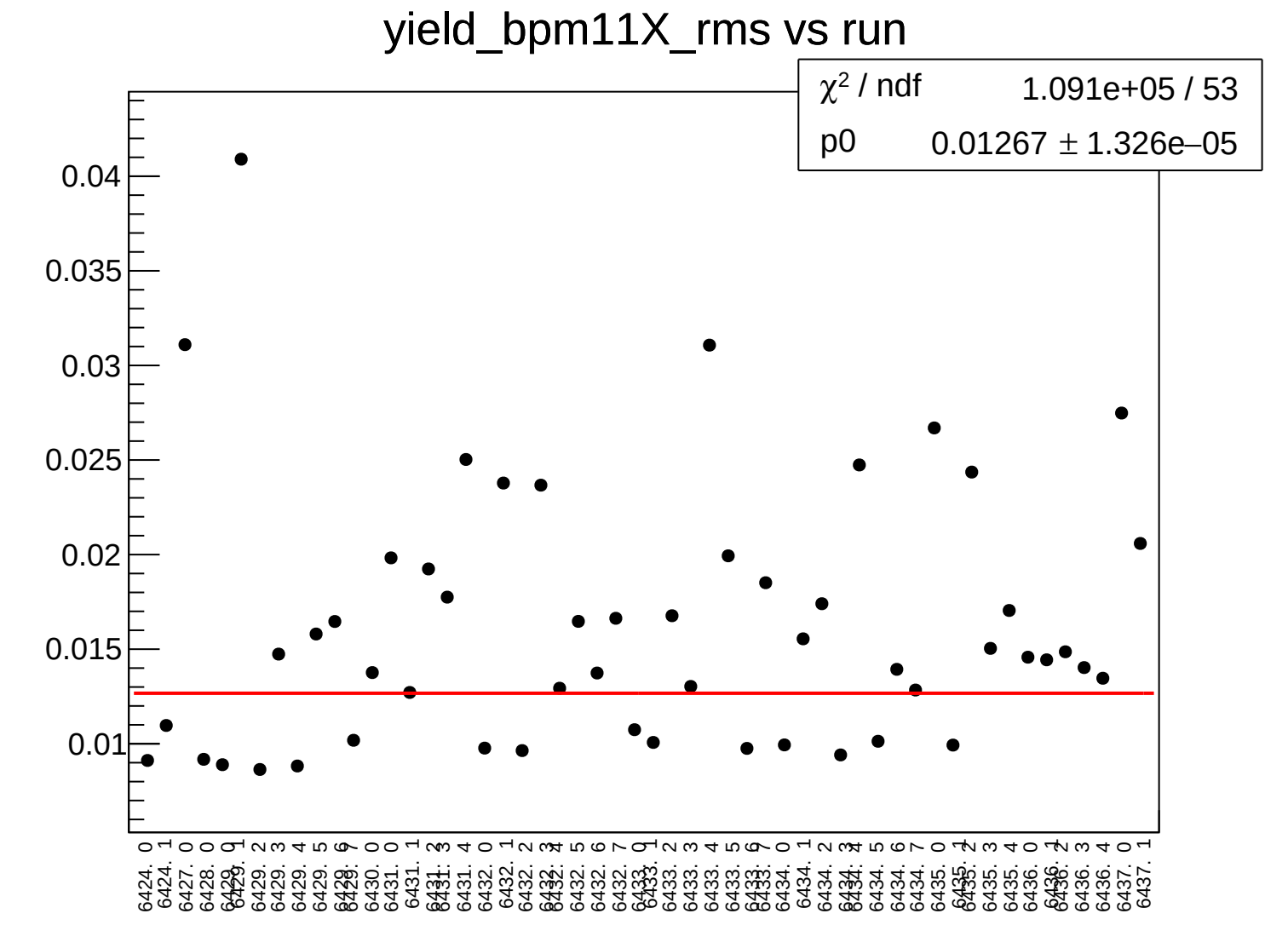

yield_bpm1Y_mean vs run
χ² / ndf 4.61e+06 / 53
p0 −1.194 ± 8.298e−05
pull
Entries 54
Mean −1214
Std Dev 0

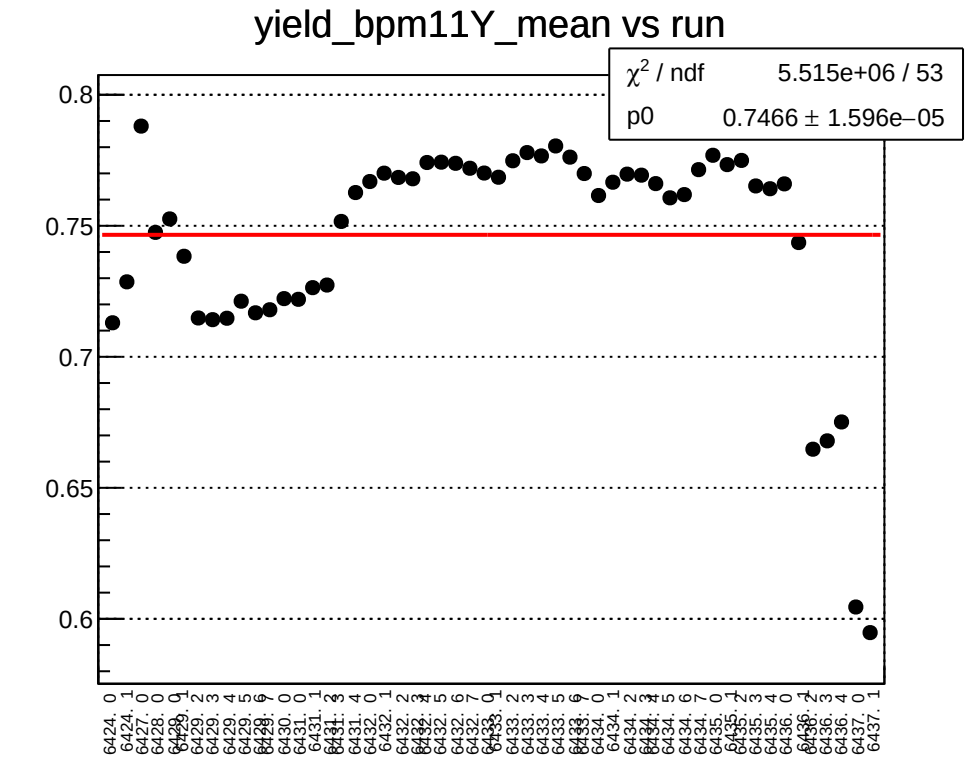

pull1D
Entries 54
Mean 1.181
Std Dev 4.066

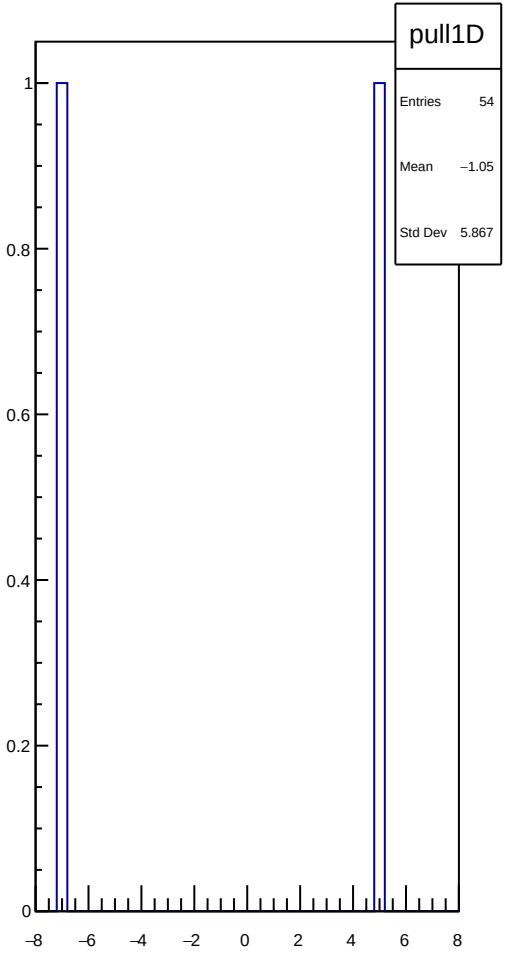

yield_bpm1Y_rms vs run
χ² / ndf 3.679e+05 / 53
p0 0.04748 ± 5.867e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

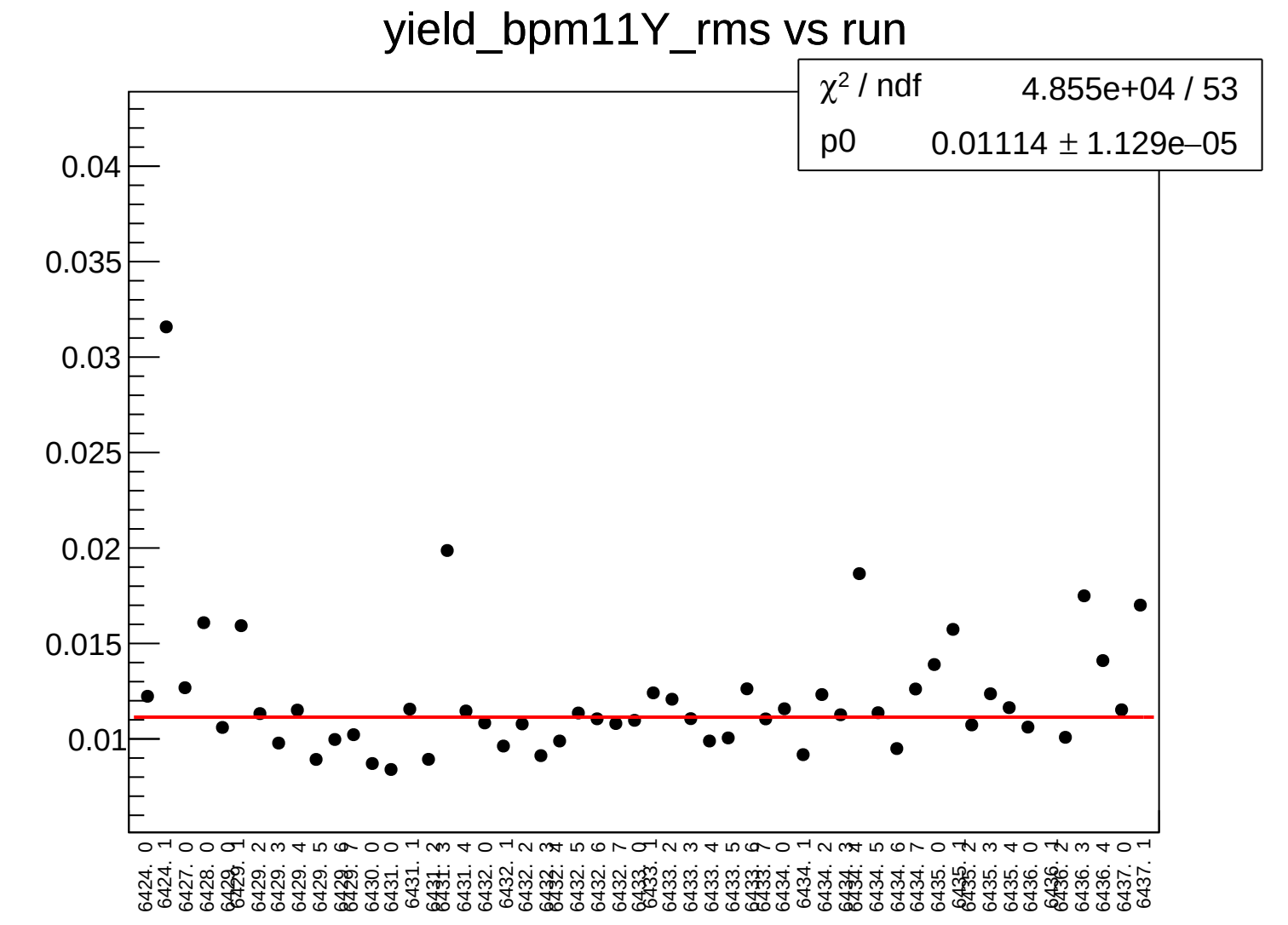

yield_bpm11X_mean vs run
χ² / ndf 9.803e+05 / 53
p0 1.422 ± 1.875e−05
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
pull
Entries 54
Mean 169.1
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

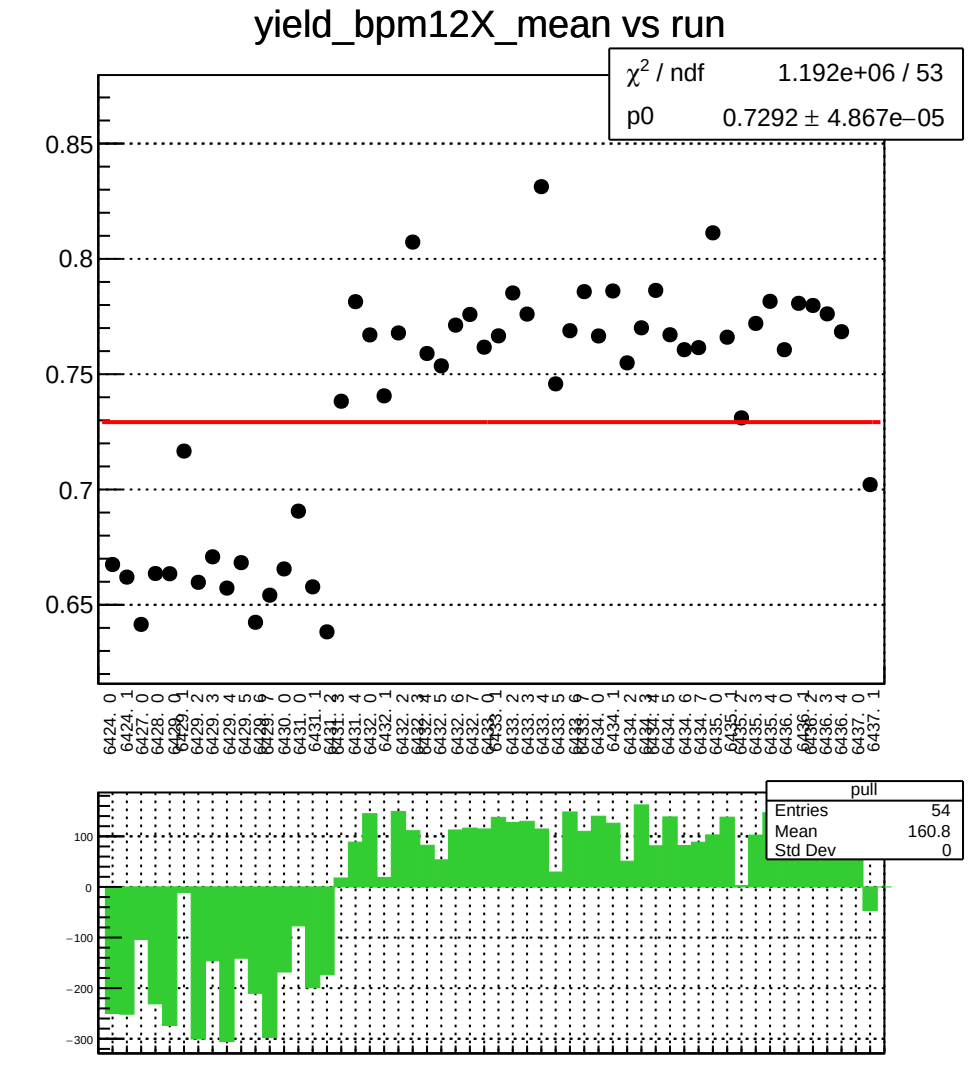

pull1D
Entries 54
Mean 1.891
Std Dev 6.938
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

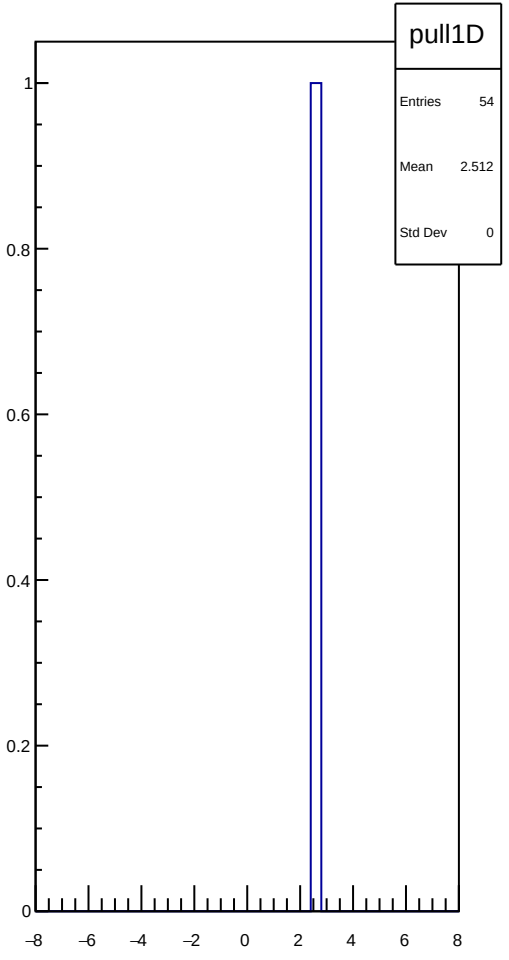

yield_bpm11X_rms vs run
χ² / ndf 1.091e+05 / 53
p0 0.01267 ± 1.326e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

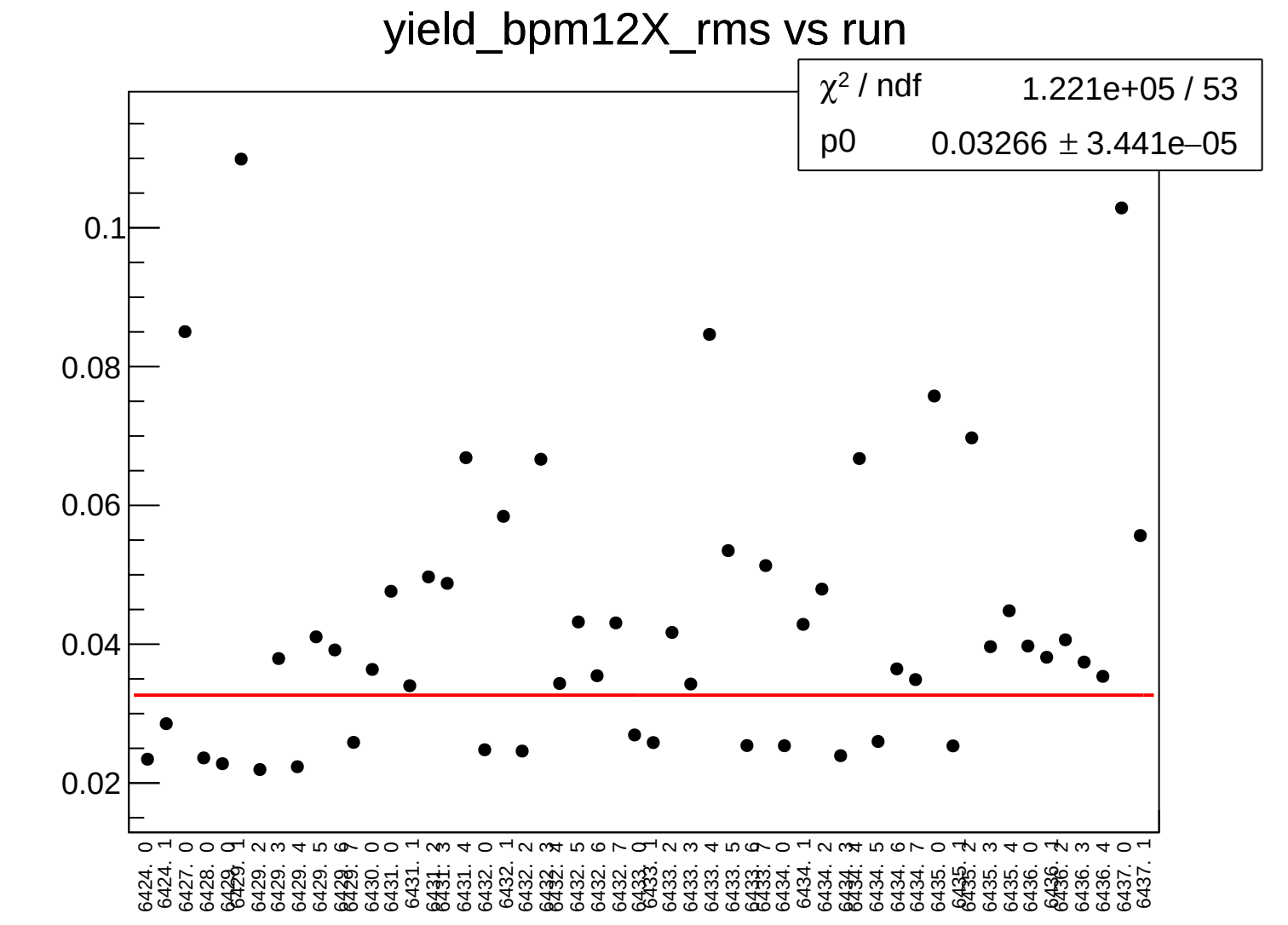

yield_bpm11Y_mean vs run
χ² / ndf 5.515e+06 / 53
p0 0.7466 ± 1.596e−05
0.8
0.75
0.7
0.65
0.6
pull
Entries 54
Mean 164.4
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

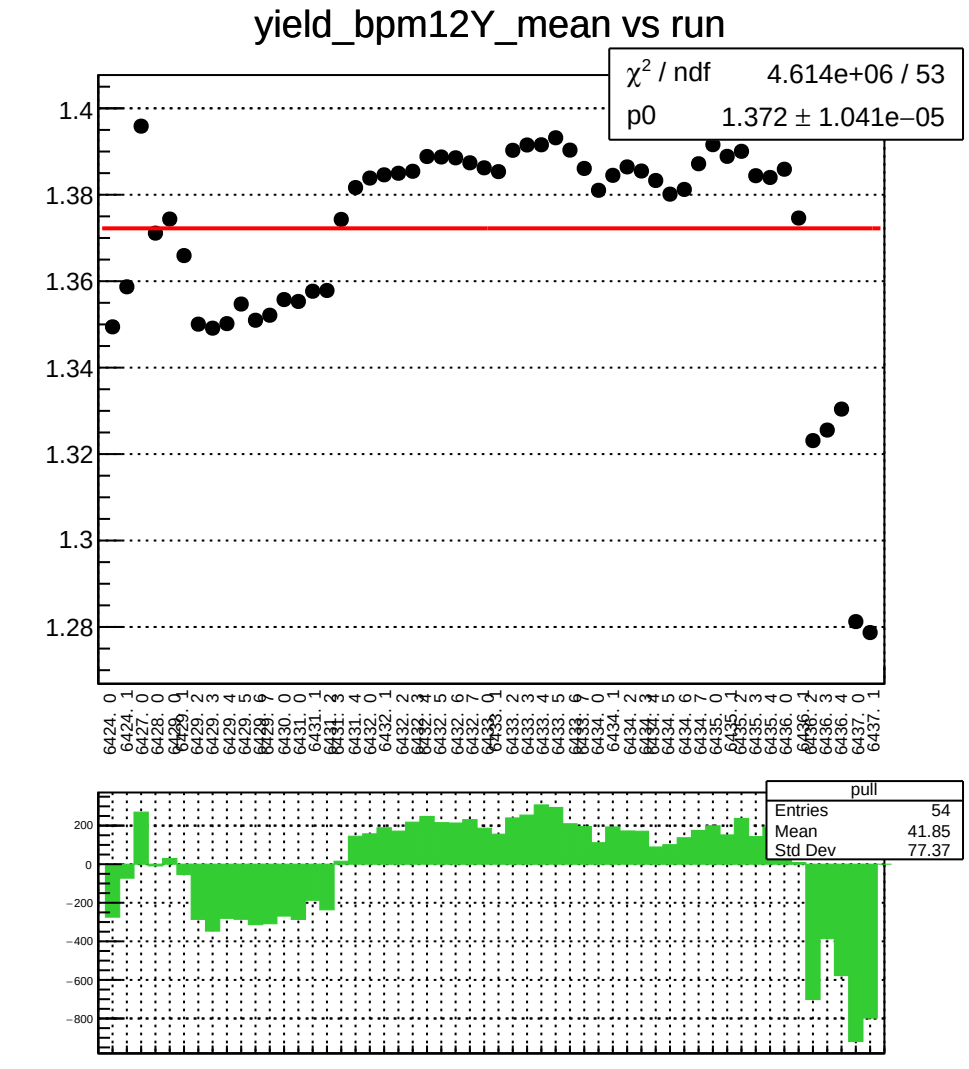

pull1D
Entries 54
Mean −1.05
Std Dev 5.867
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

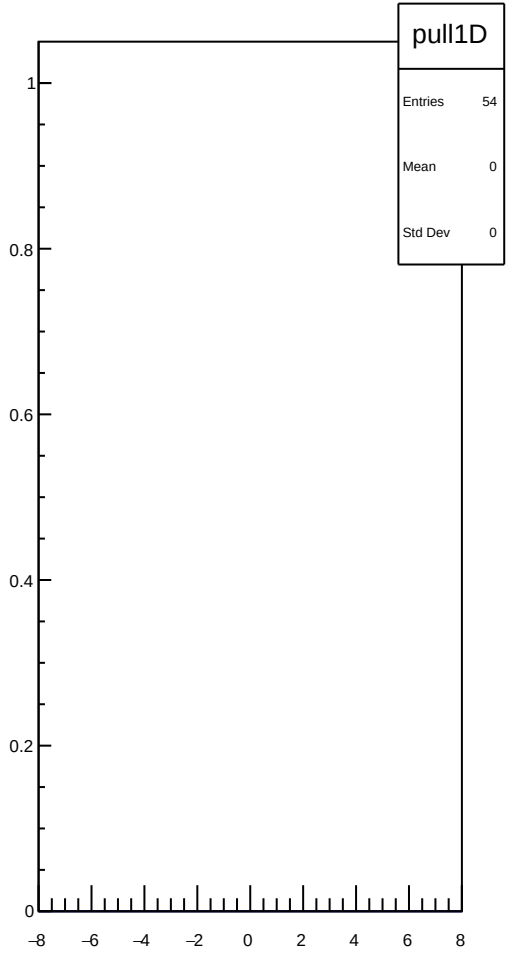

yield_bpm11Y_rms vs run
χ² / ndf 4.855e+04 / 53
p0 0.01114 ± 1.129e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

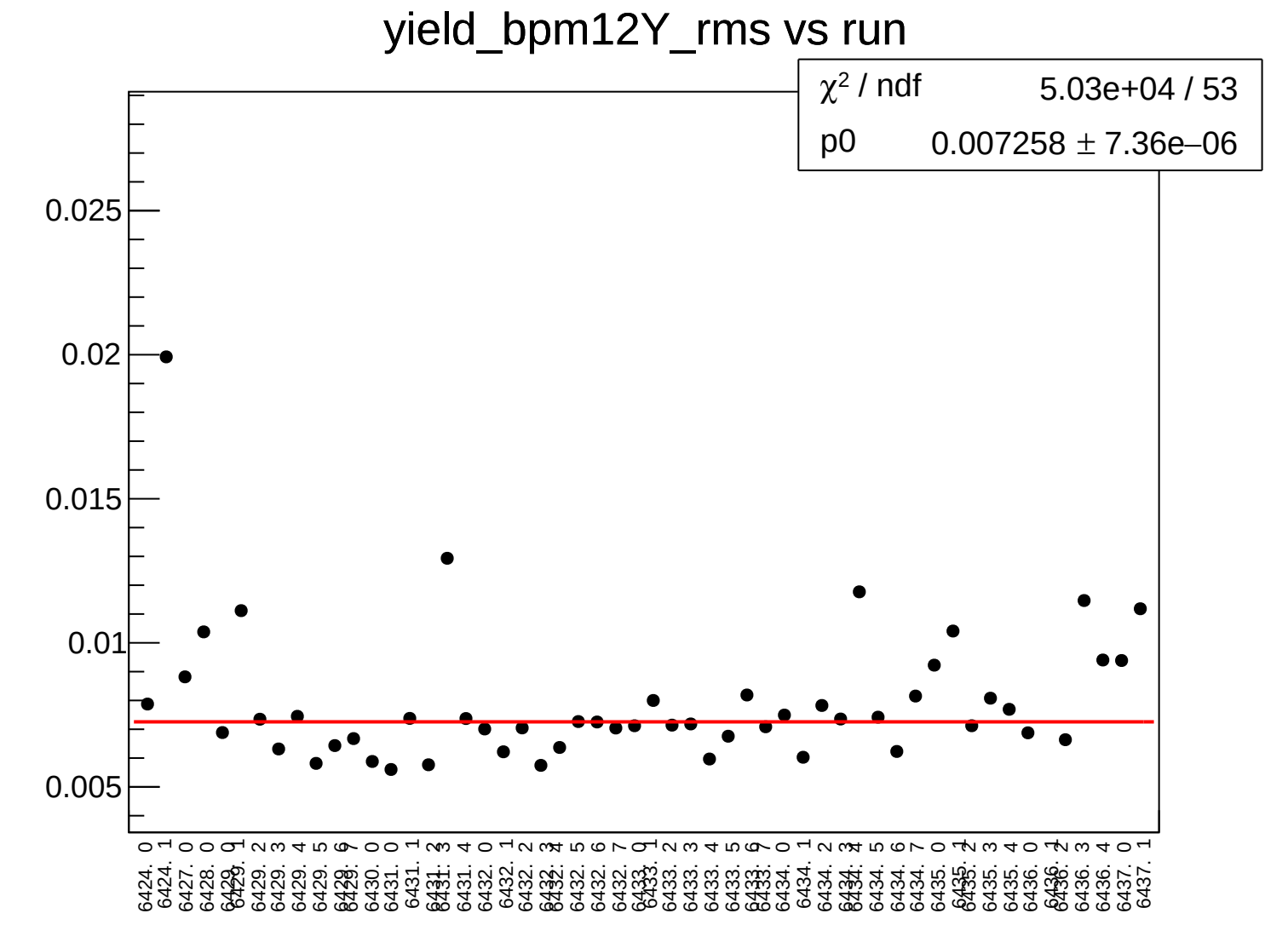

yield_bpm12X_mean vs run
χ² / ndf 1.192e+06 / 53
p0 0.7292 ± 4.867e−05
0.85
0.8
0.75
0.7
0.65
pull
Entries 54
Mean 160.8
Std Dev 0
100
0
−100
−200
−300

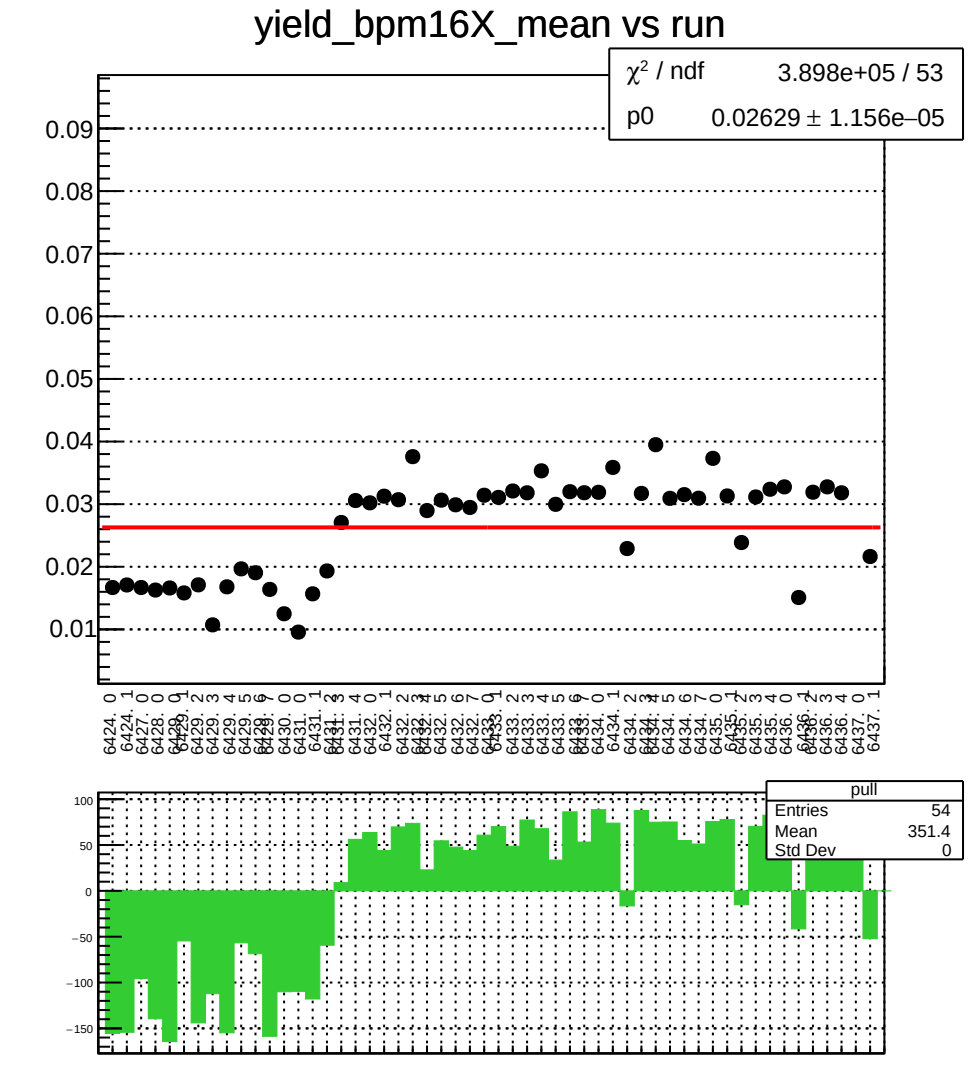

pull1D
Entries 54
Mean 2.512
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

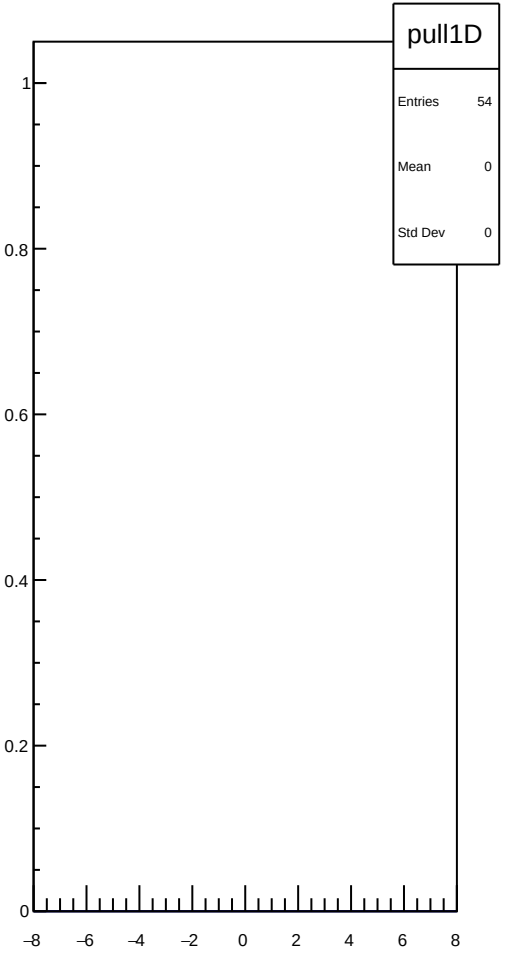

yield_bpm12X_rms vs run
χ² / ndf 1.221e+05 / 53
p0 0.03266 ± 3.441e−05
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

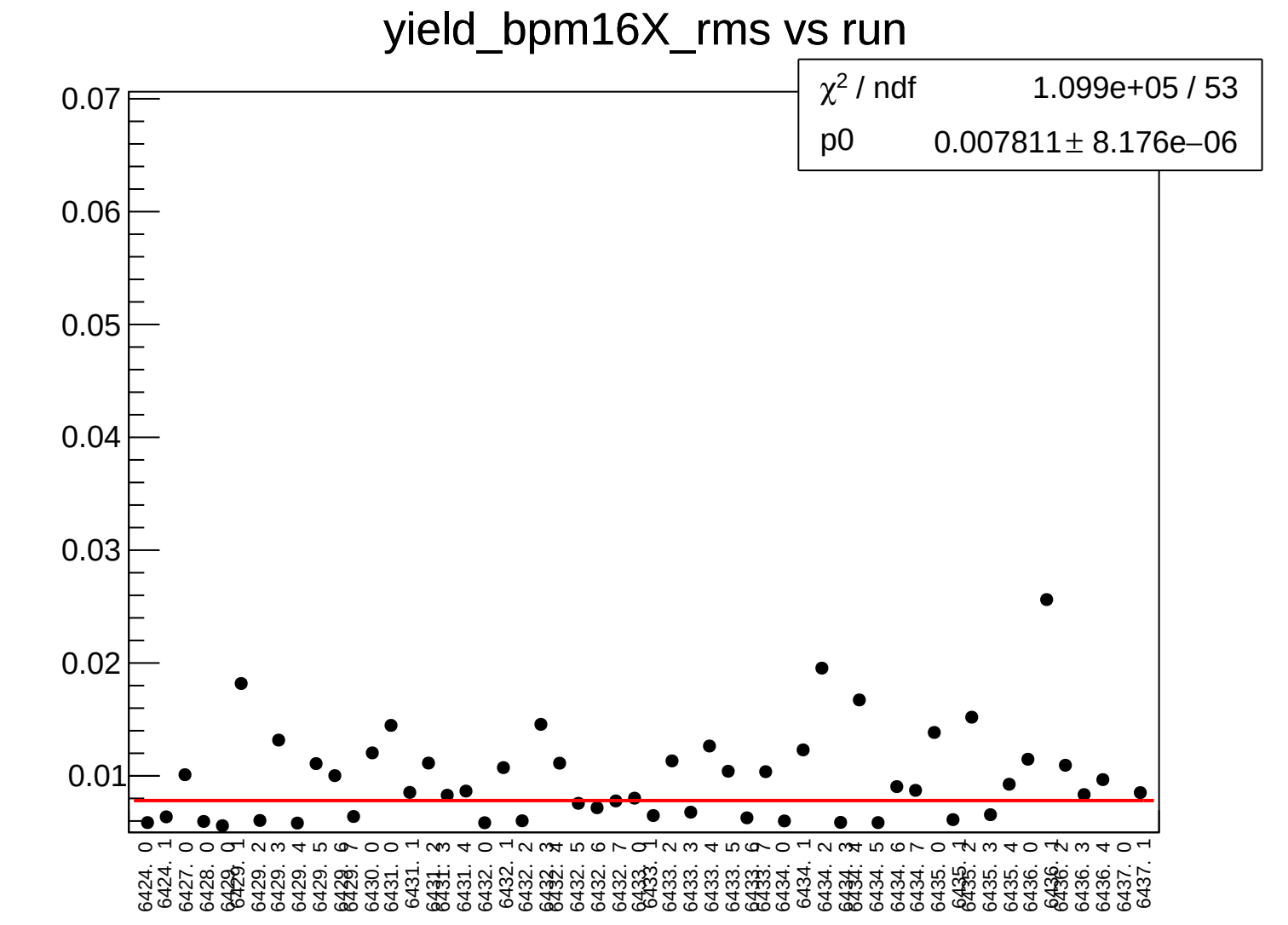

yield_bpm12Y_mean vs run
χ² / ndf 4.614e+06 / 53
p0 1.372 ± 1.041e−05
1.4
1.38
1.36
1.34
1.32
1.3
1.28
pull
Entries 54
Mean 41.85
Std Dev 77.37
200
0
−200
−400
−600
−800

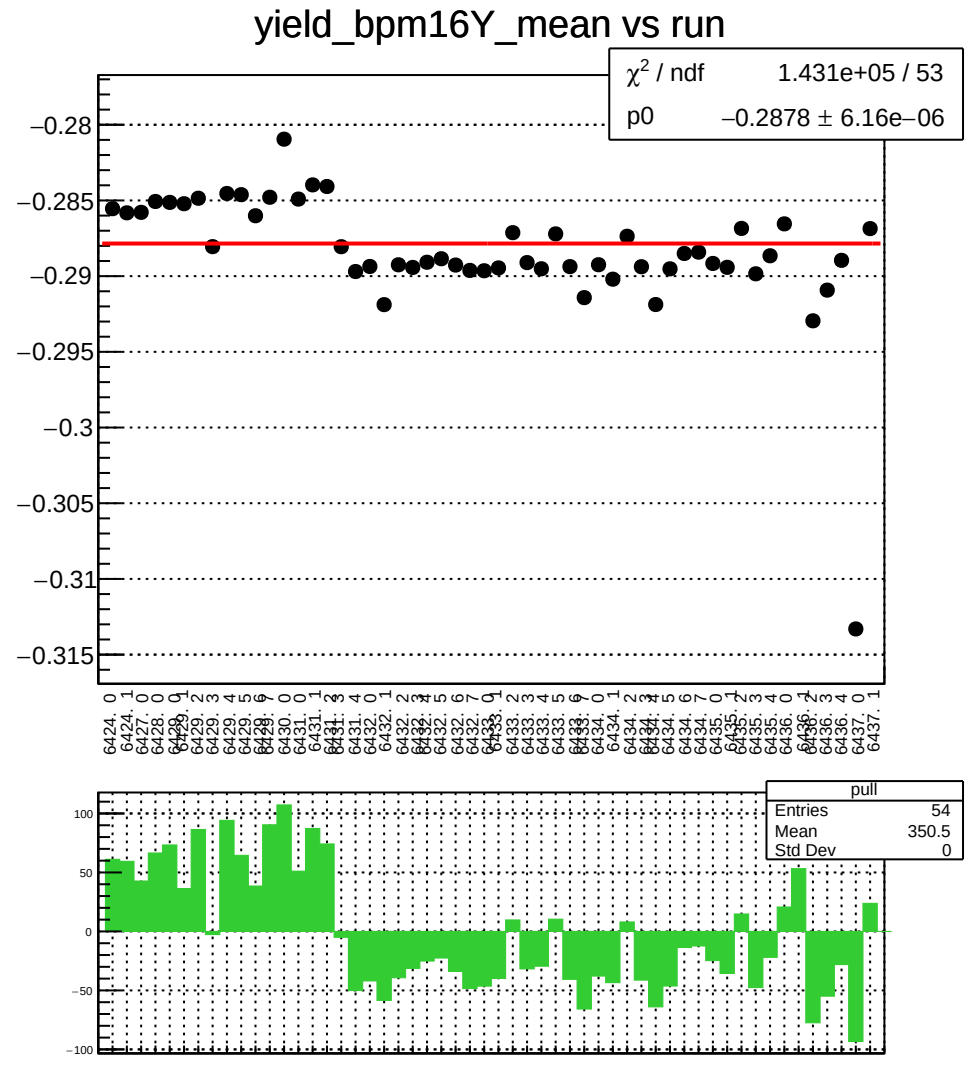

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

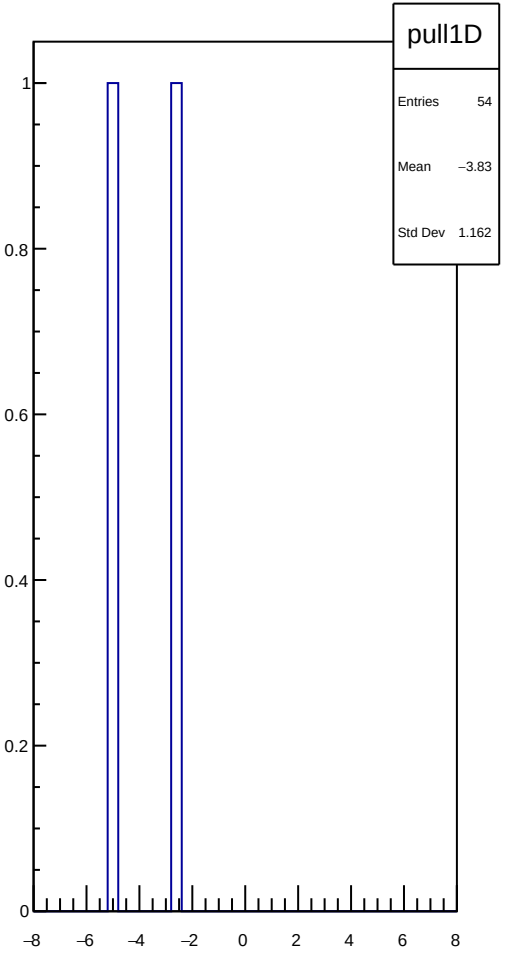

yield_bpm12Y_rms vs run
χ² / ndf 5.03e+04 / 53
p0 0.007258 ± 7.36e–06
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

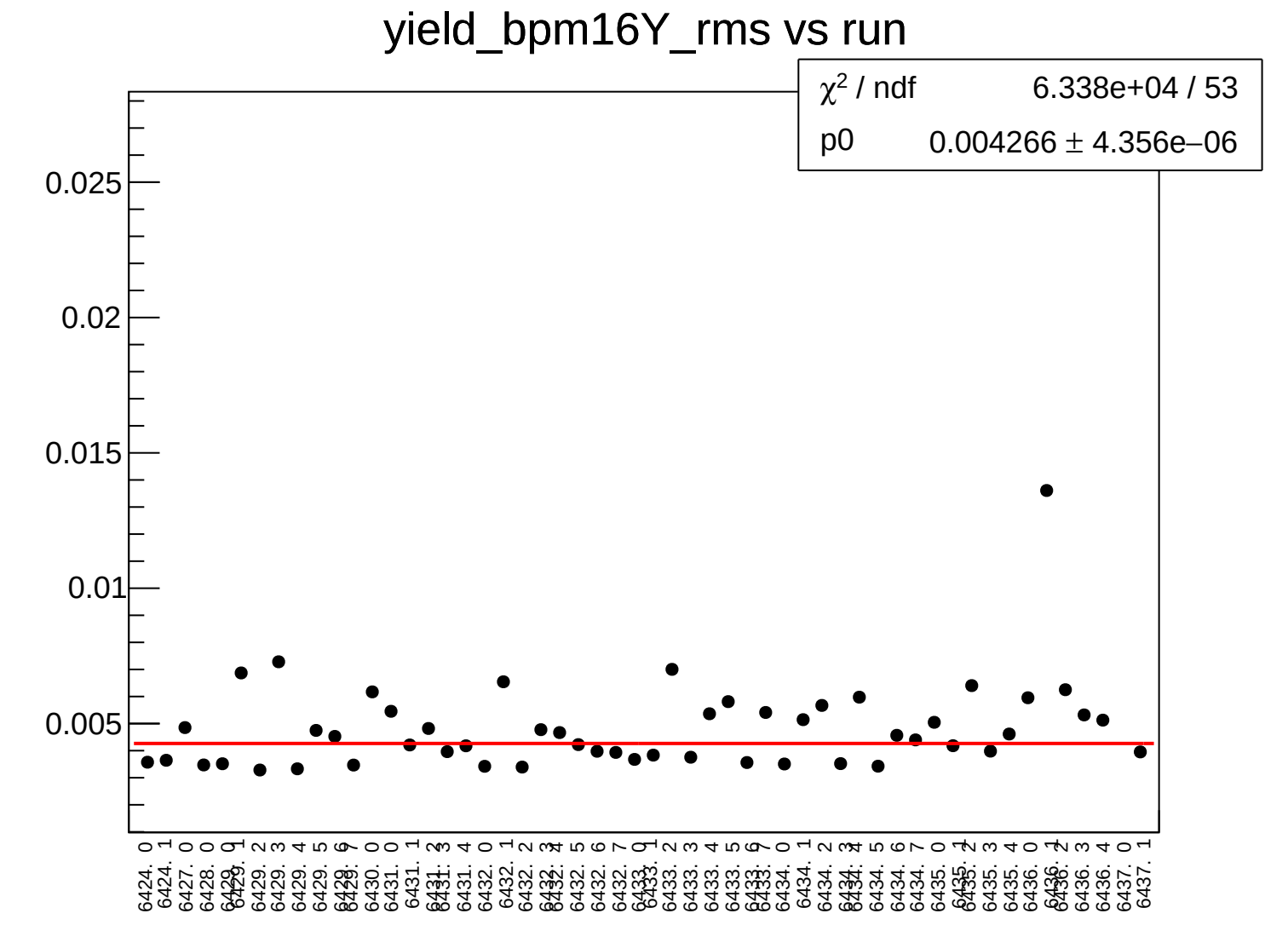

yield_bpm16X_mean vs run
χ² / ndf 3.898e+05 / 53
p0 0.02629 ± 1.156e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
pull
Entries 54
Mean 351.4
Std Dev 0
100
50
0
−50
−100
−150

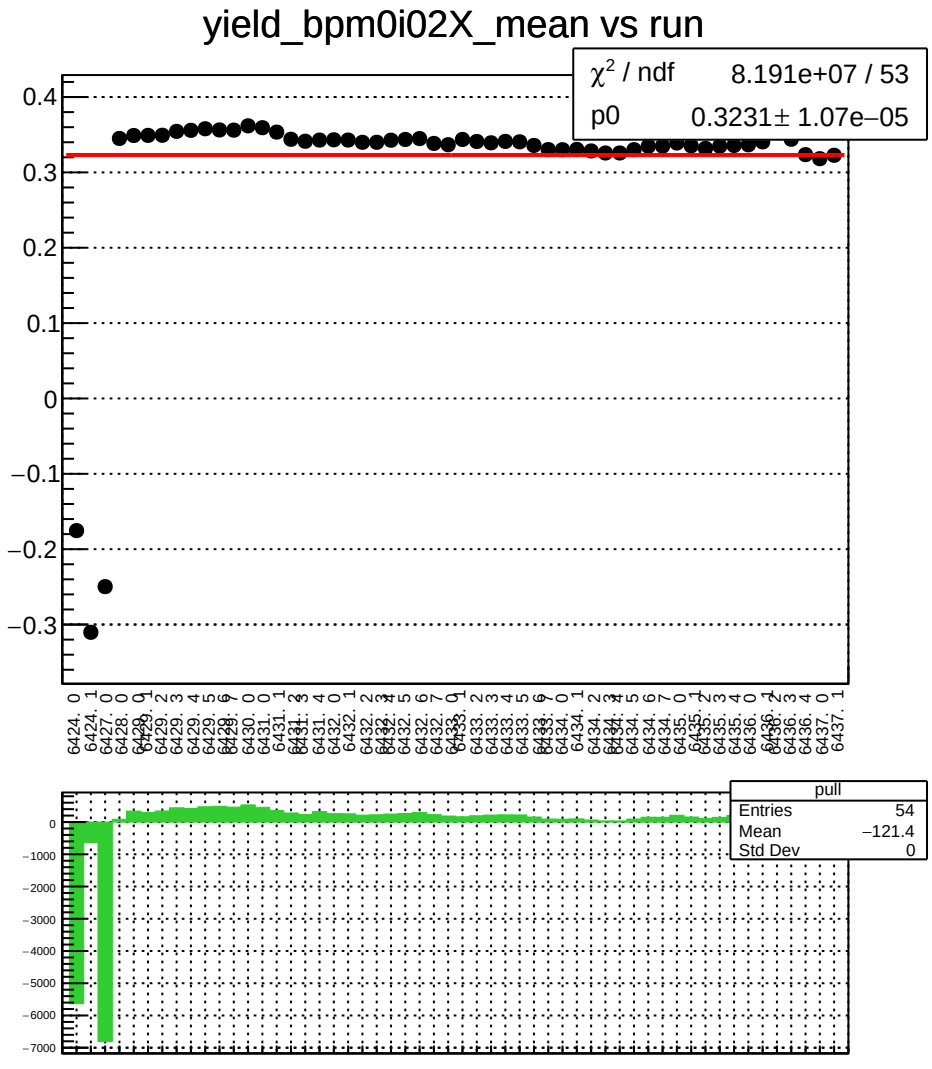

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

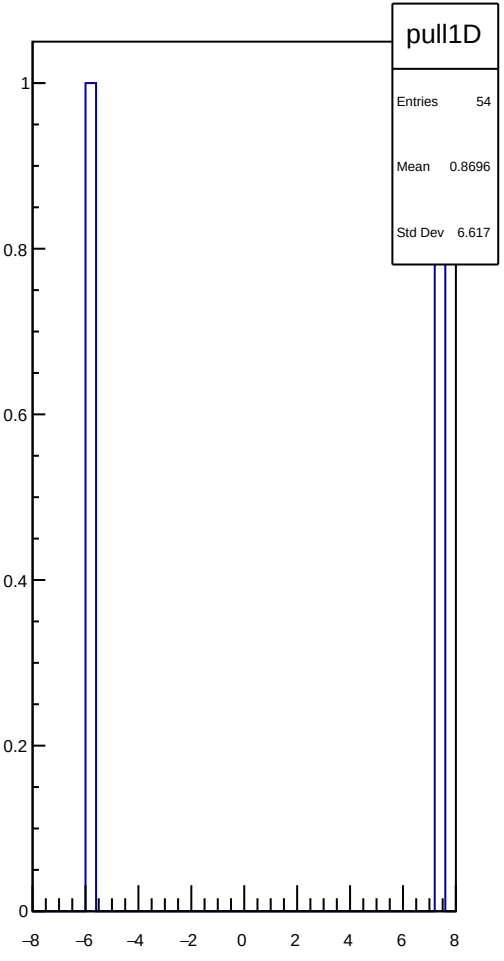

yield_bpm16X_rms vs run
χ² / ndf 1.099e+05 / 53
p0 0.007811 ± 8.176e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

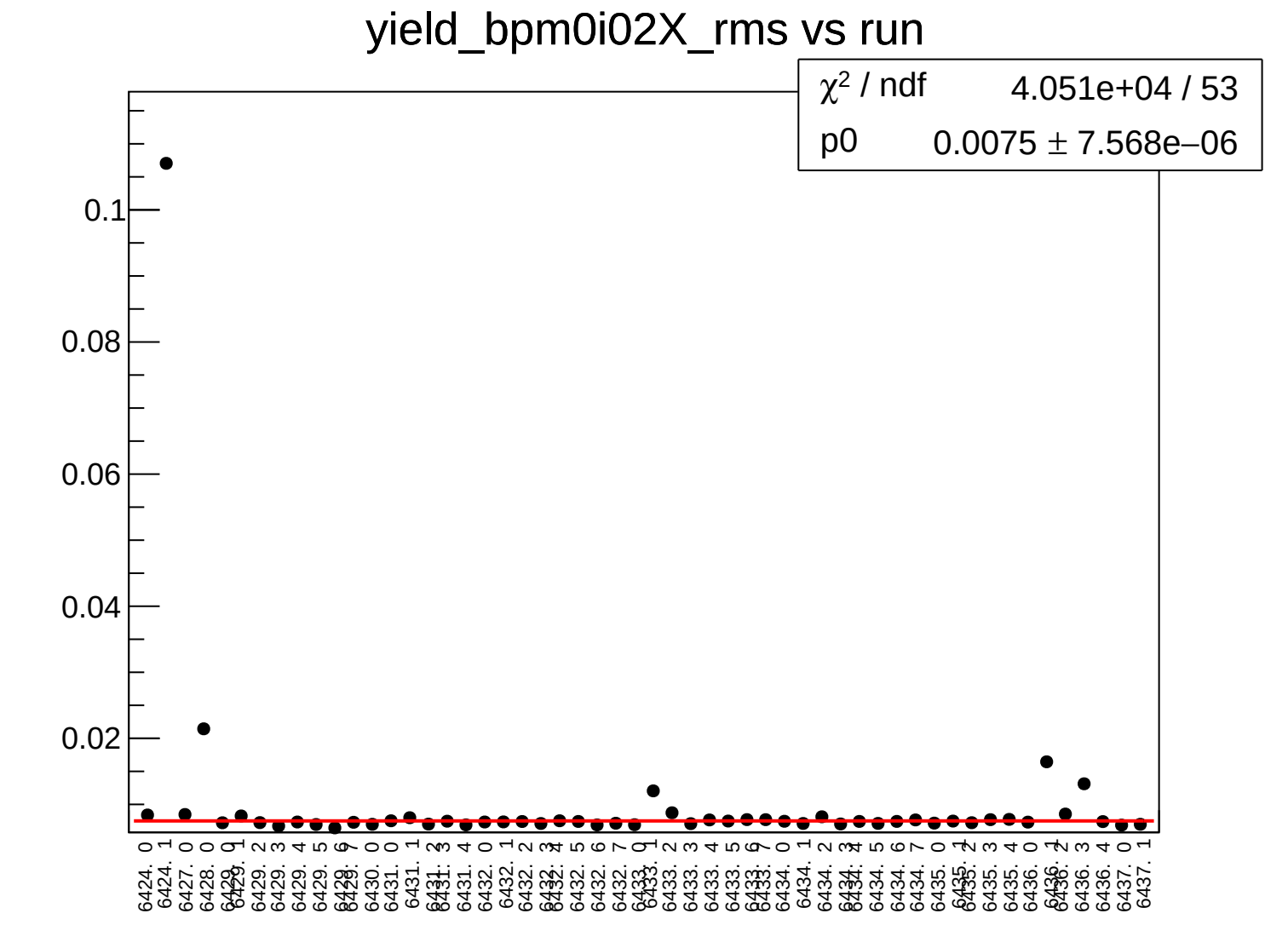

yield_bpm16Y_mean vs run
χ² / ndf 1.431e+05 / 53
p0 −0.2878 ± 6.16e−06
−0.28
−0.285
−0.29
−0.295
−0.3
−0.305
−0.31
−0.315
pull
Entries 54
Mean 350.5
Std Dev 0
100
50
0
−50
−100

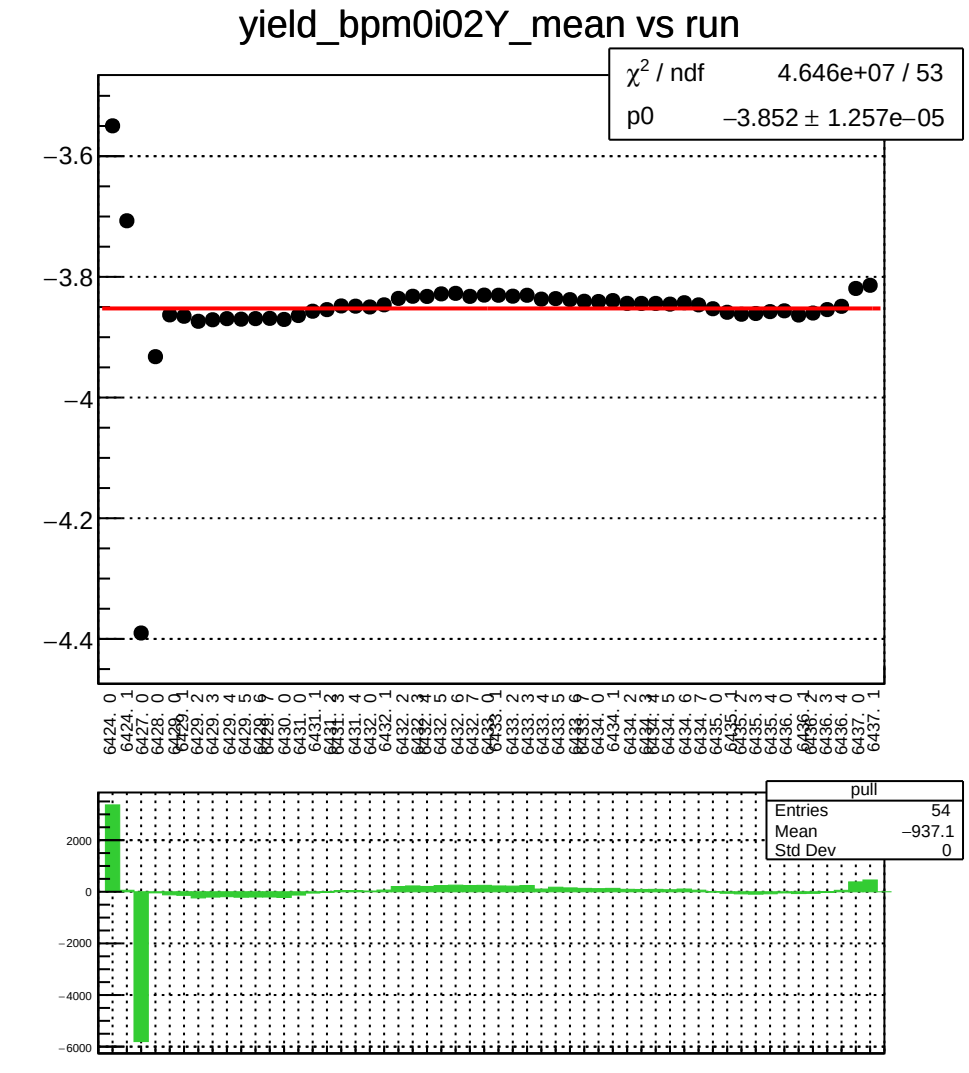

pull1D
Entries 54
Mean −3.83
Std Dev 1.162
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

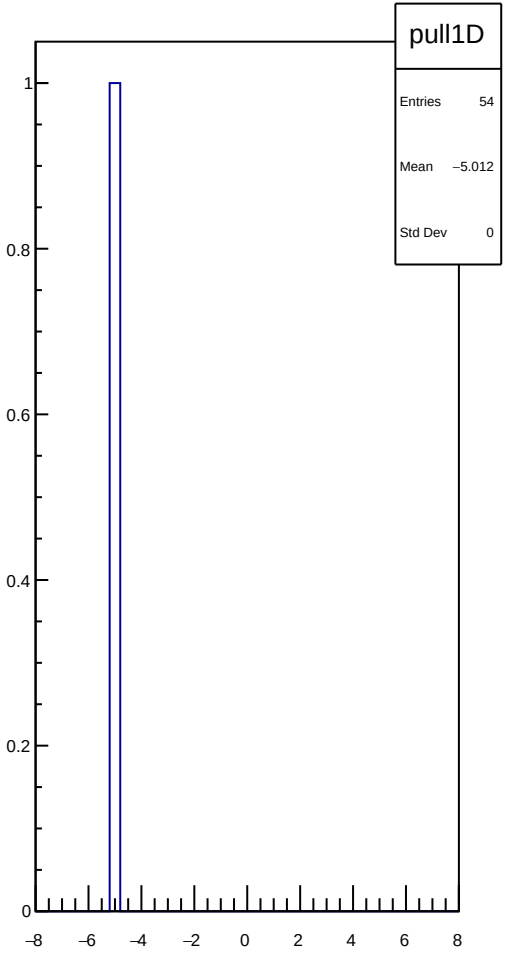

yield_bpm16Y_rms vs run
χ² / ndf 6.338e+04 / 53
p0 0.004266 ± 4.356e−06
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

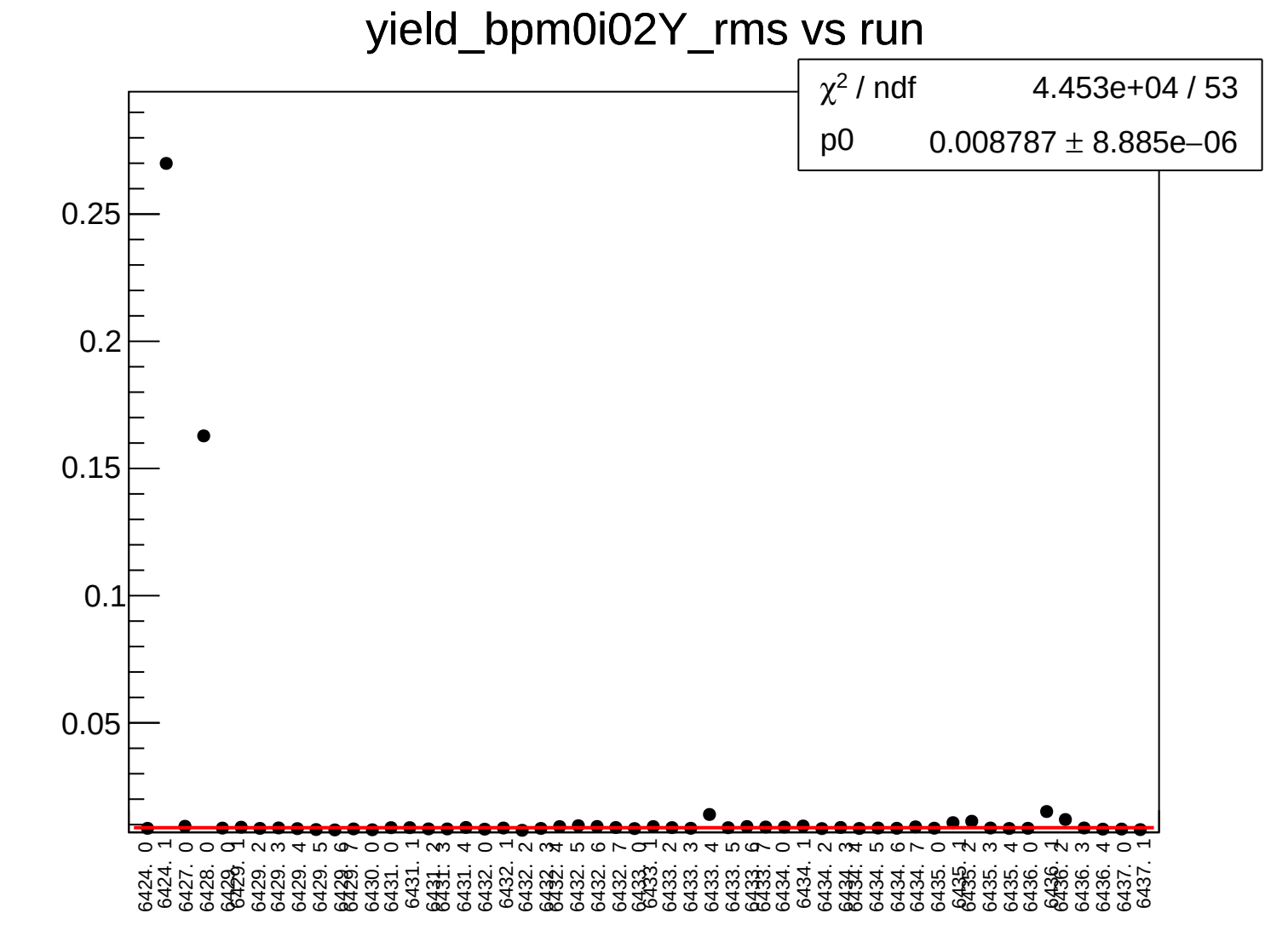

yield_bpm0i02X_mean vs run
χ² / ndf 8.191e+07 / 53
p0 0.3231± 1.07e−05
pull
Entries 54
Mean −121.4
Std Dev 0

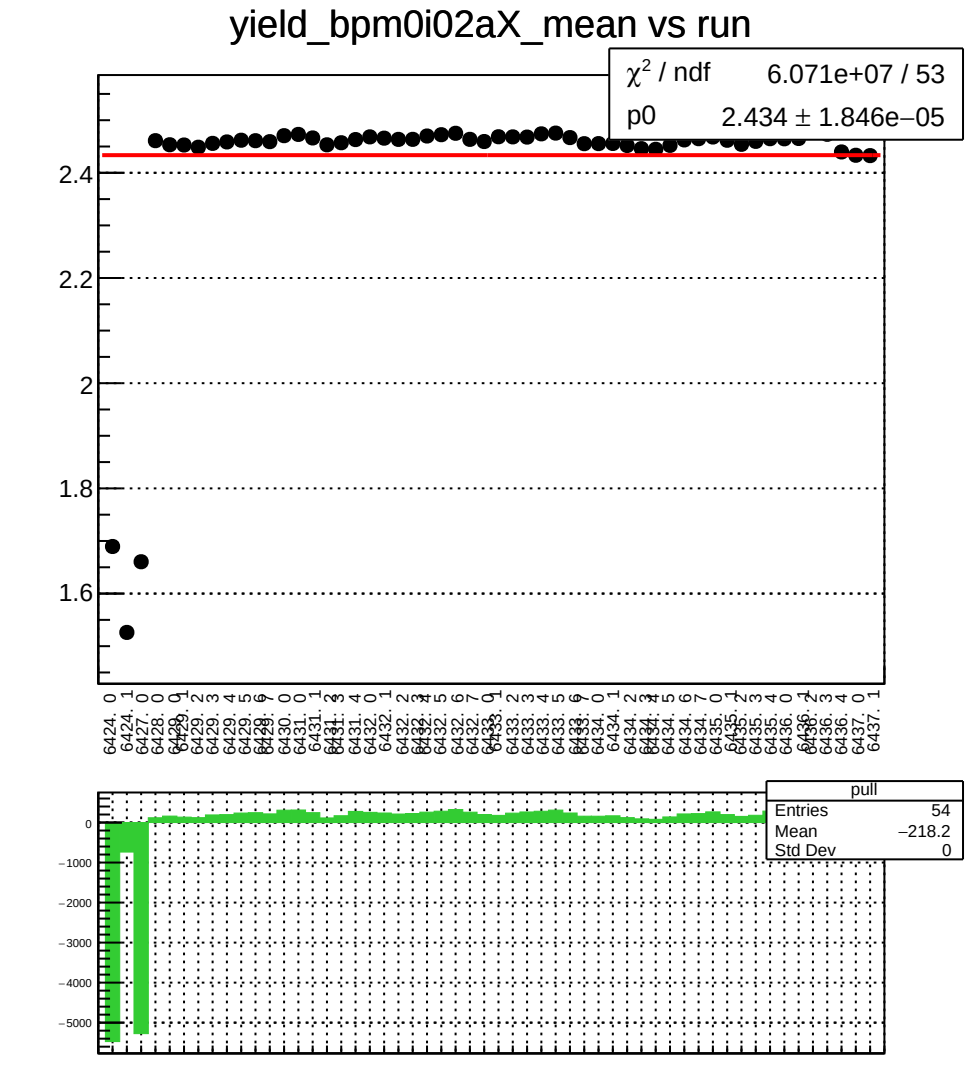

pull1D
Entries 54
Mean 0.8696
Std Dev 6.617

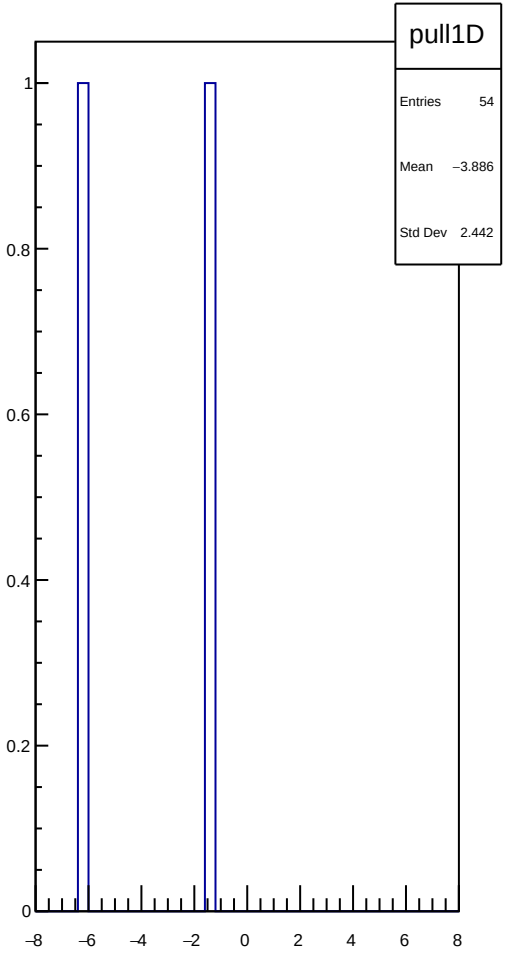

yield_bpm0i02X_rms vs run
χ² / ndf 4.051e+04 / 53
p0 0.0075 ± 7.568e−06
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

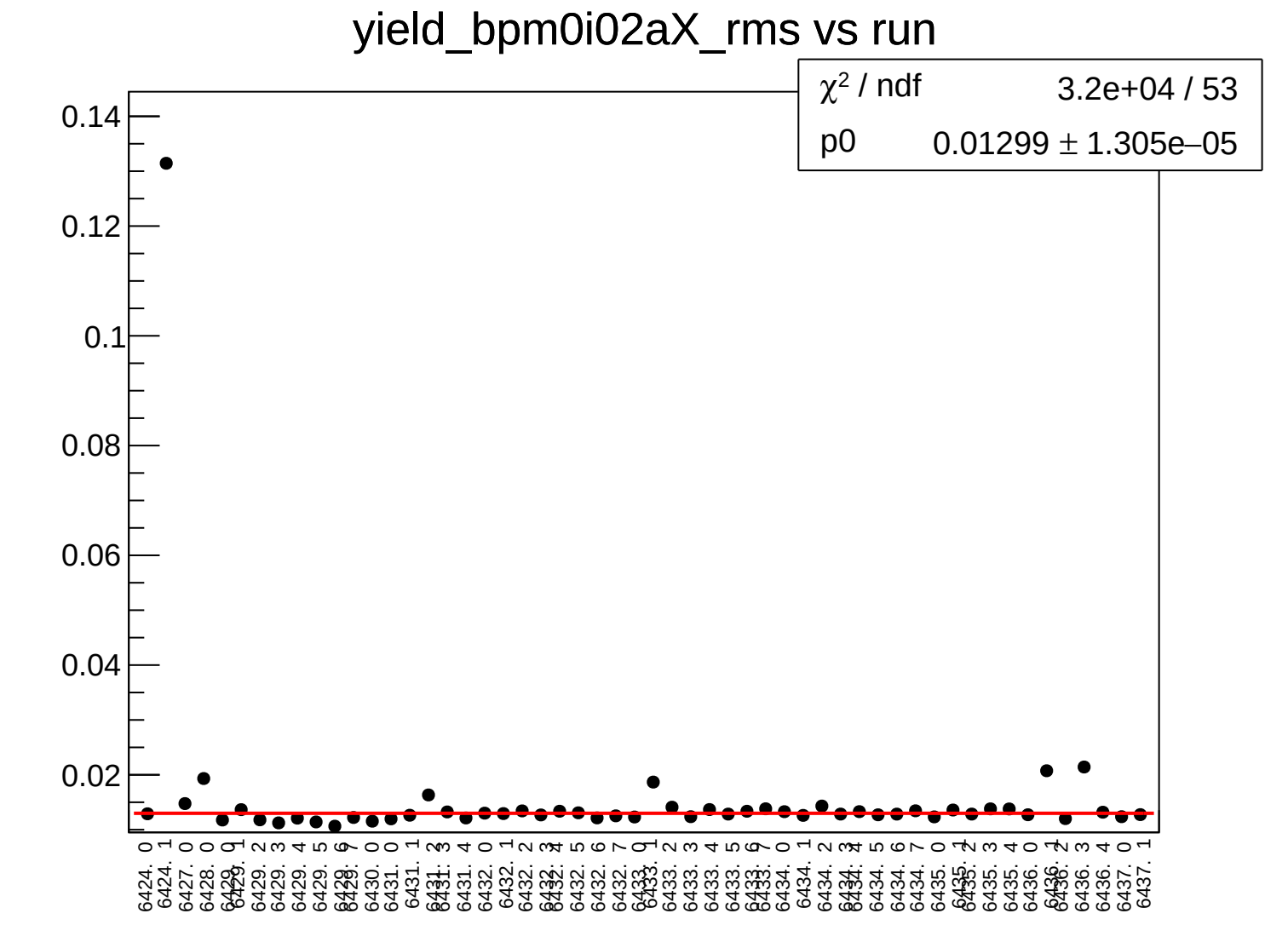

yield_bpm0i02Y_mean vs run
χ² / ndf 4.646e+07 / 53
p0 −3.852 ± 1.257e−05
−3.6
−3.8
−4
−4.2
−4.4
pull
Entries 54
Mean −937.1
Std Dev 0
2000
0
−2000
−4000
−6000

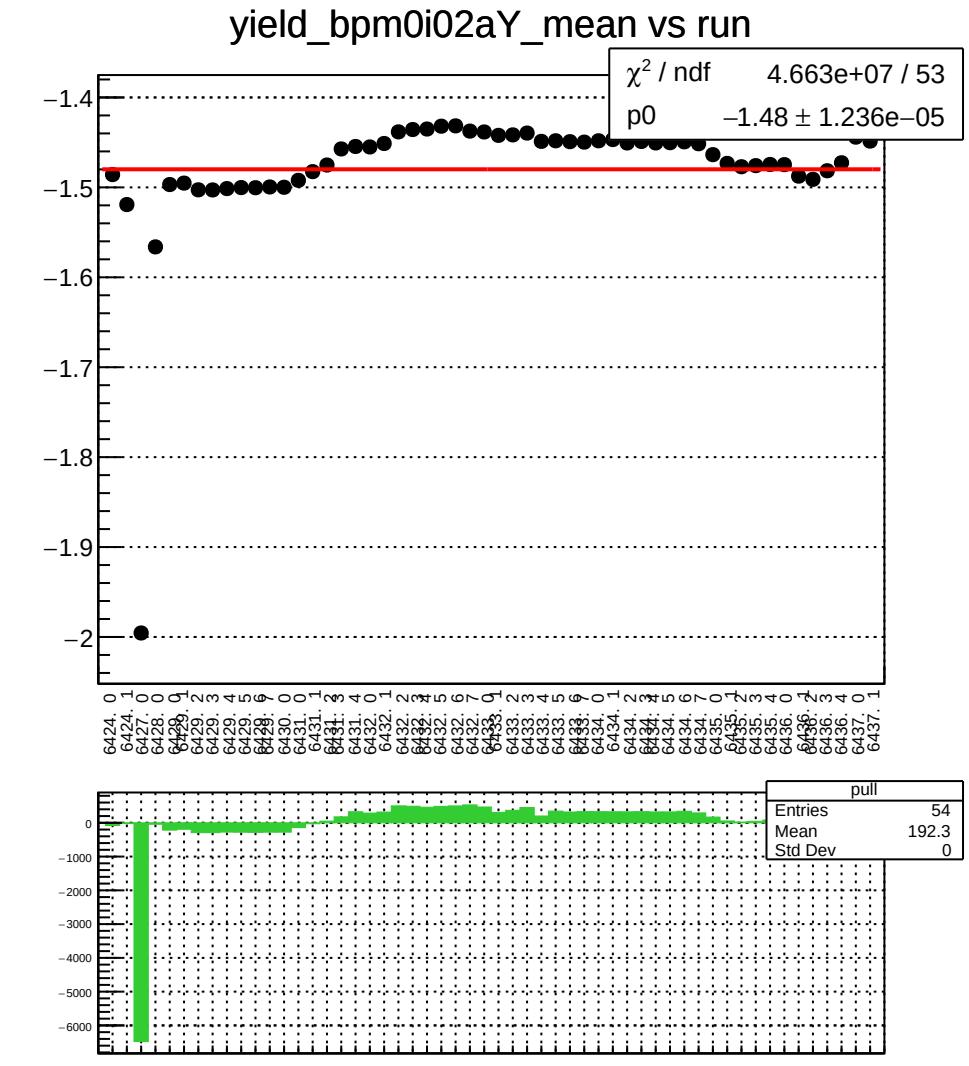

pull1D
Entries 54
Mean −5.012
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

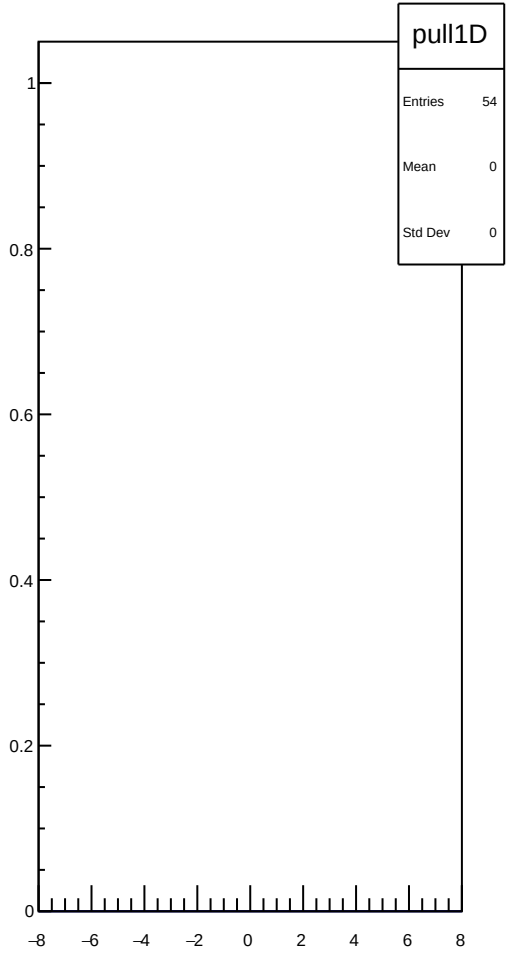

yield_bpm0i02Y_rms vs run
χ² / ndf 4.453e+04 / 53
p0 0.008787 ± 8.885e−06
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

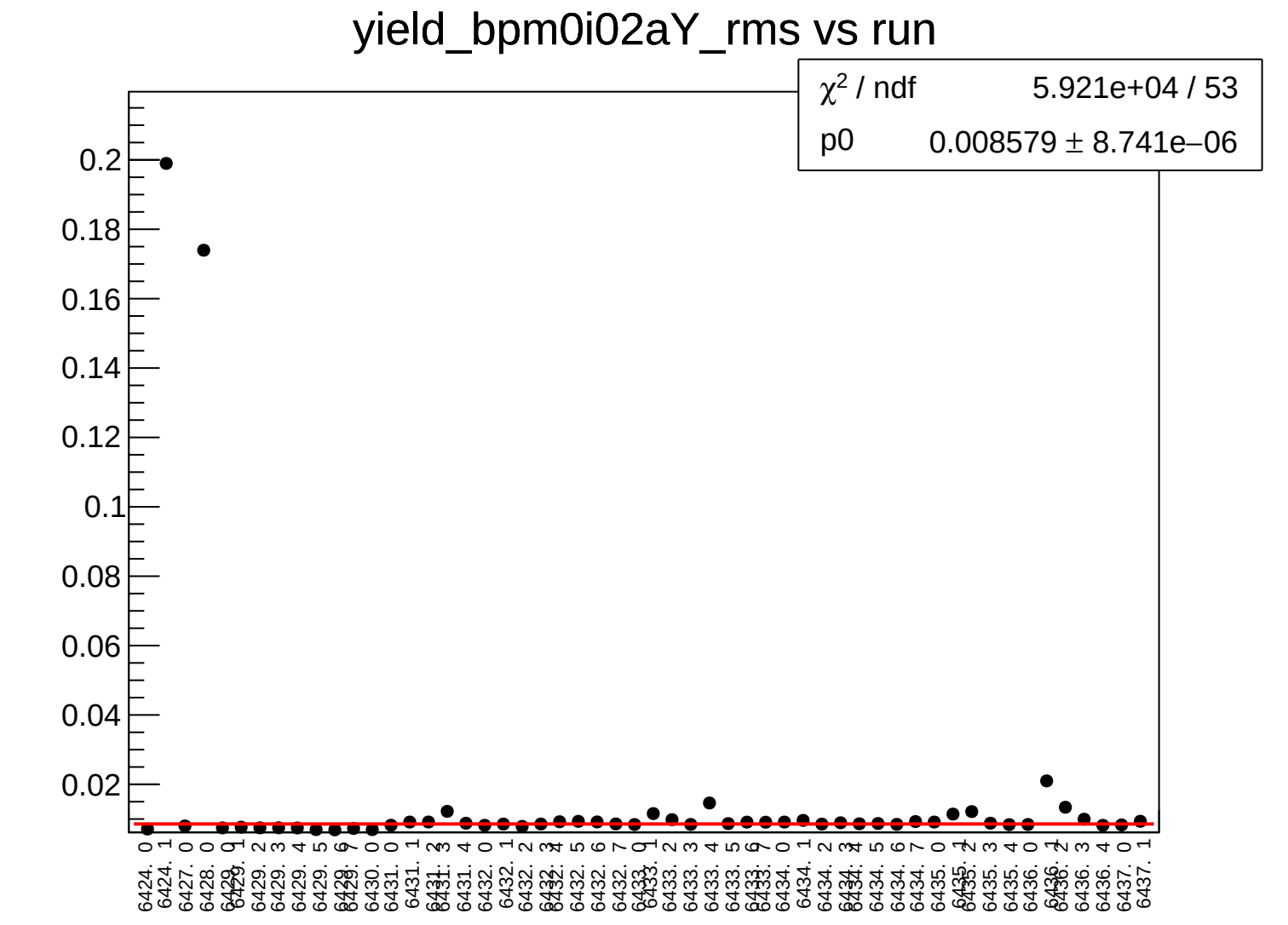

yield_bpm0i02aX_mean vs run
χ² / ndf 6.071e+07 / 53
p0 2.434 ± 1.846e−05
2.4
2.2
2
1.8
1.6
pull
Entries 54
Mean −218.2
Std Dev 0
0
−1000
−2000
−3000
−4000
−5000

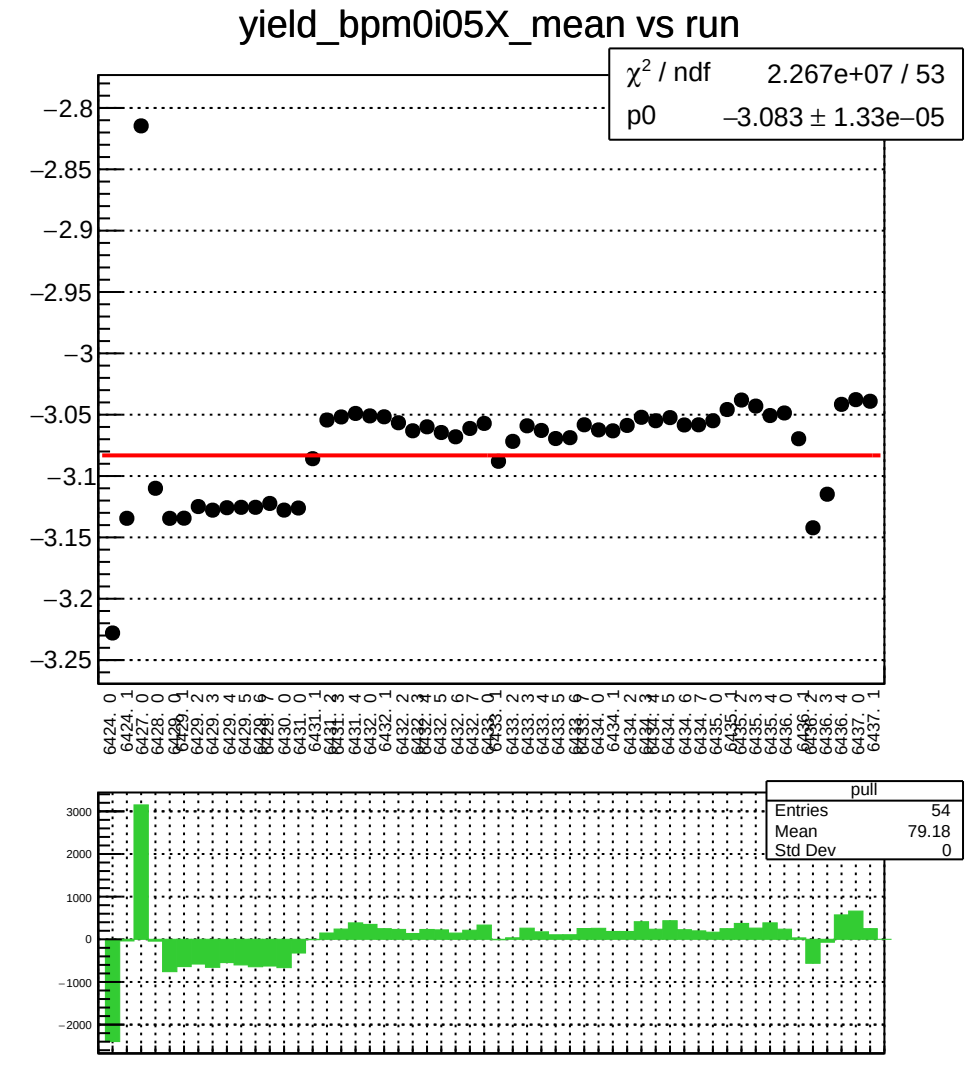

pull1D
Entries 54
Mean −3.886
Std Dev 2.442
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

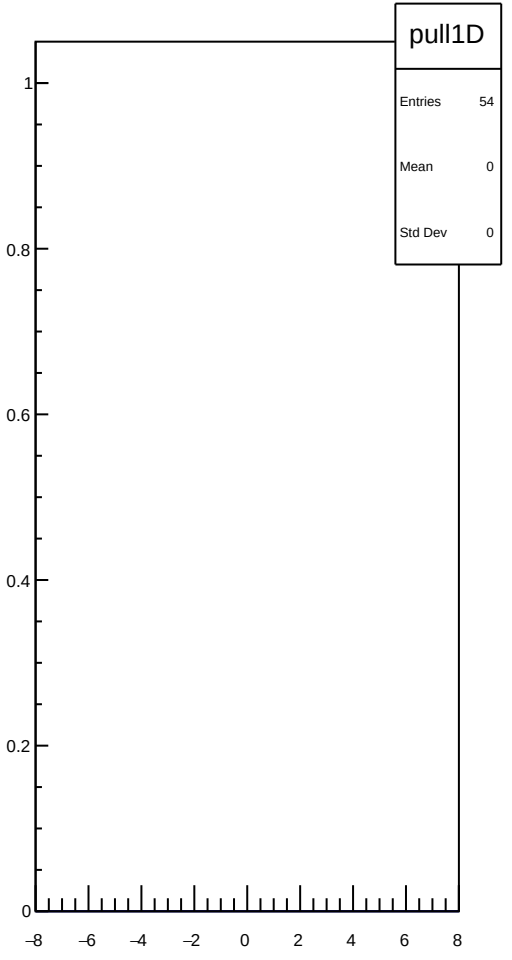

yield_bpm0i02aX_rms vs run
χ² / ndf 3.2e+04 / 53
p0 0.01299 ± 1.305e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

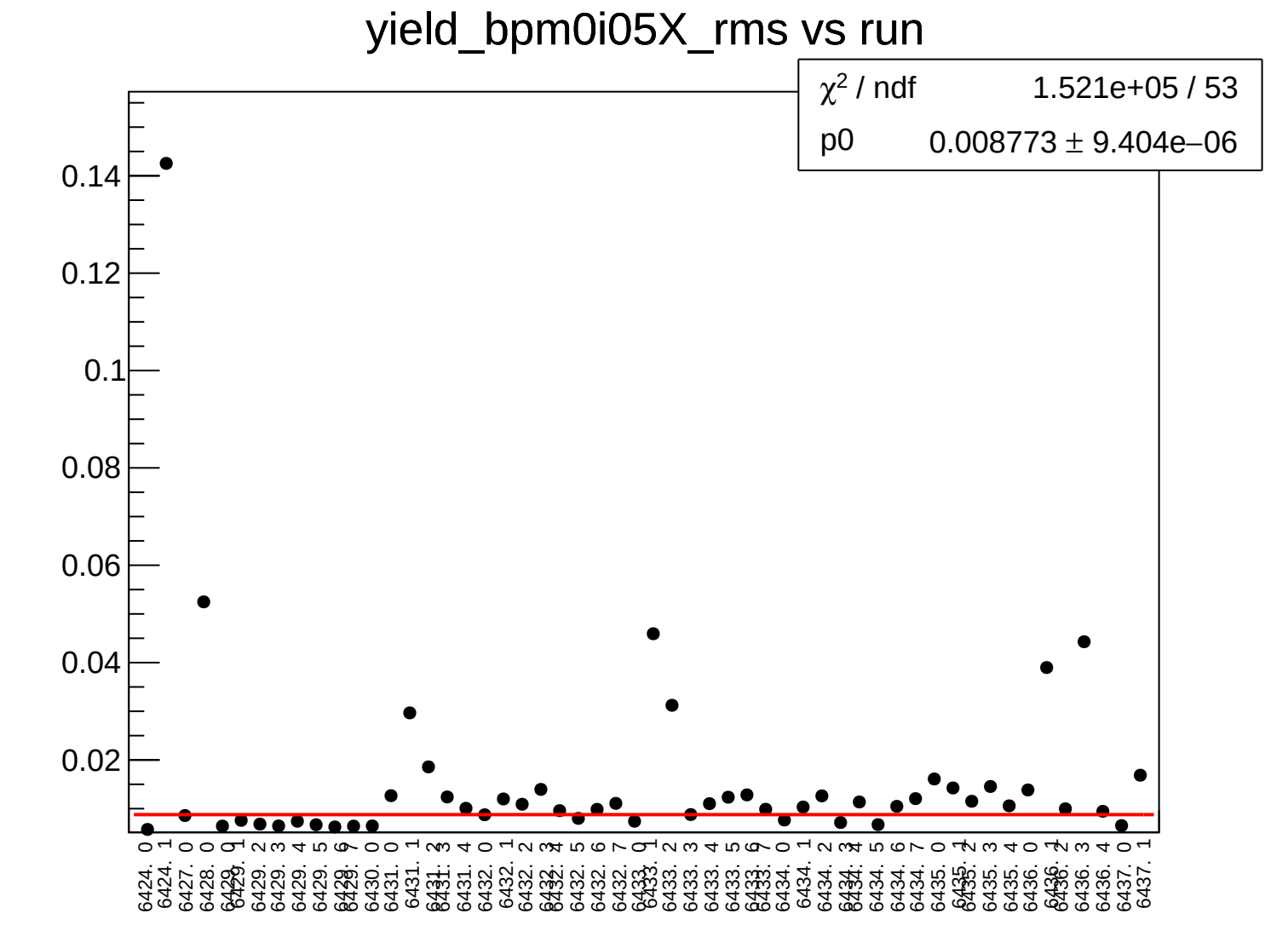

yield_bpm0i02aY_mean vs run
χ² / ndf 4.663e+07 / 53
p0 −1.48 ± 1.236e−05
pull
Entries 54
Mean 192.3
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


yield_bpm0i02aY_rms vs run
χ² / ndf 5.921e+04 / 53
p0 0.008579 ± 8.741e−06
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


yield_bpm0i05X_mean vs run
χ² / ndf 2.267e+07 / 53
p0 −3.083 ± 1.33e−05
pull
Entries 54
Mean 79.18
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


yield_bpm0i05X_rms vs run
χ² / ndf 1.521e+05 / 53
p0 0.008773 ± 9.404e−06
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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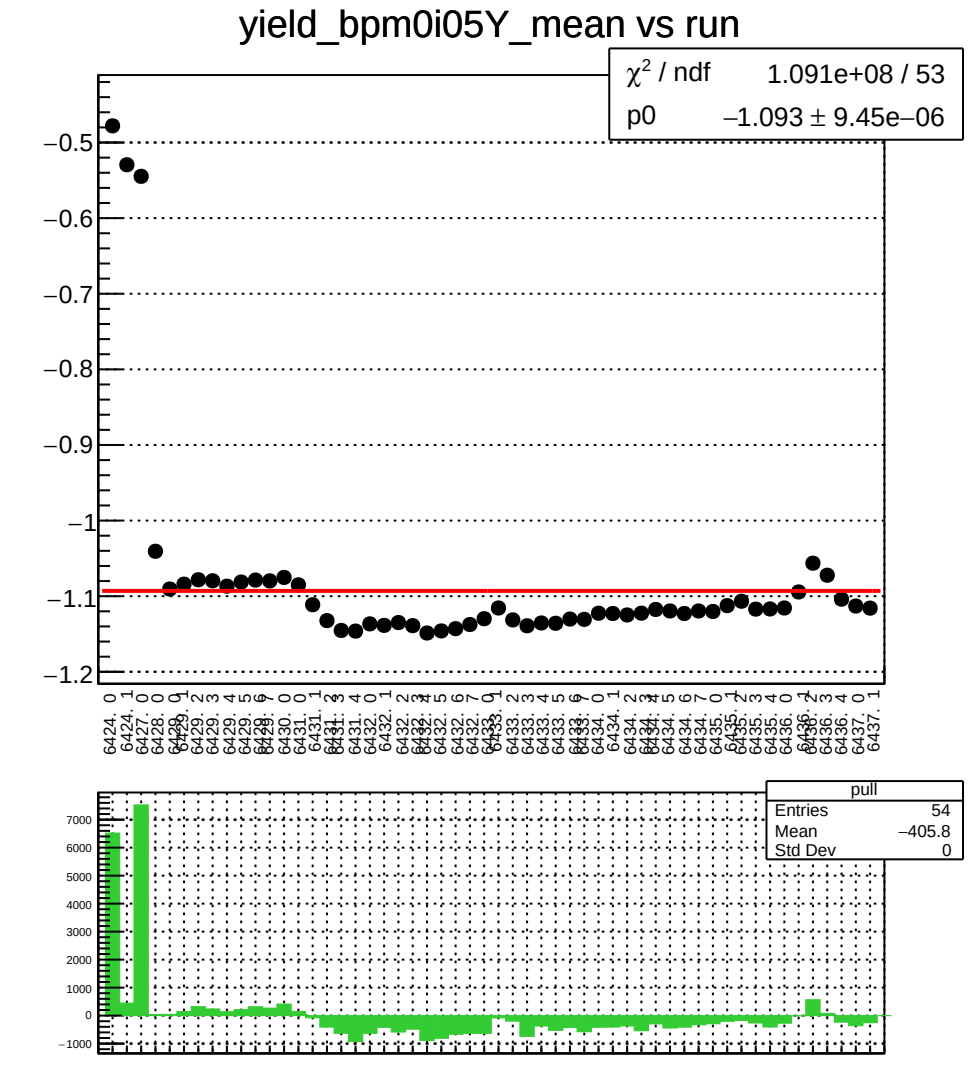
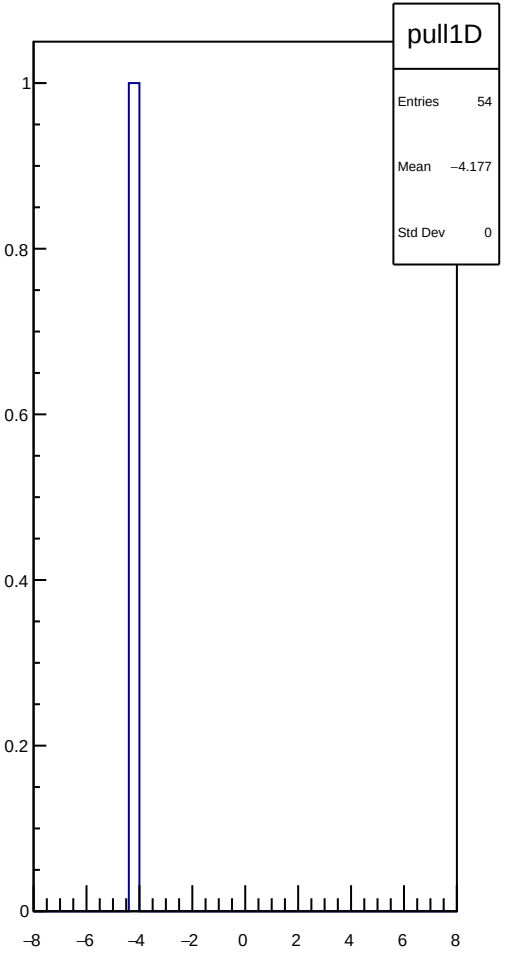
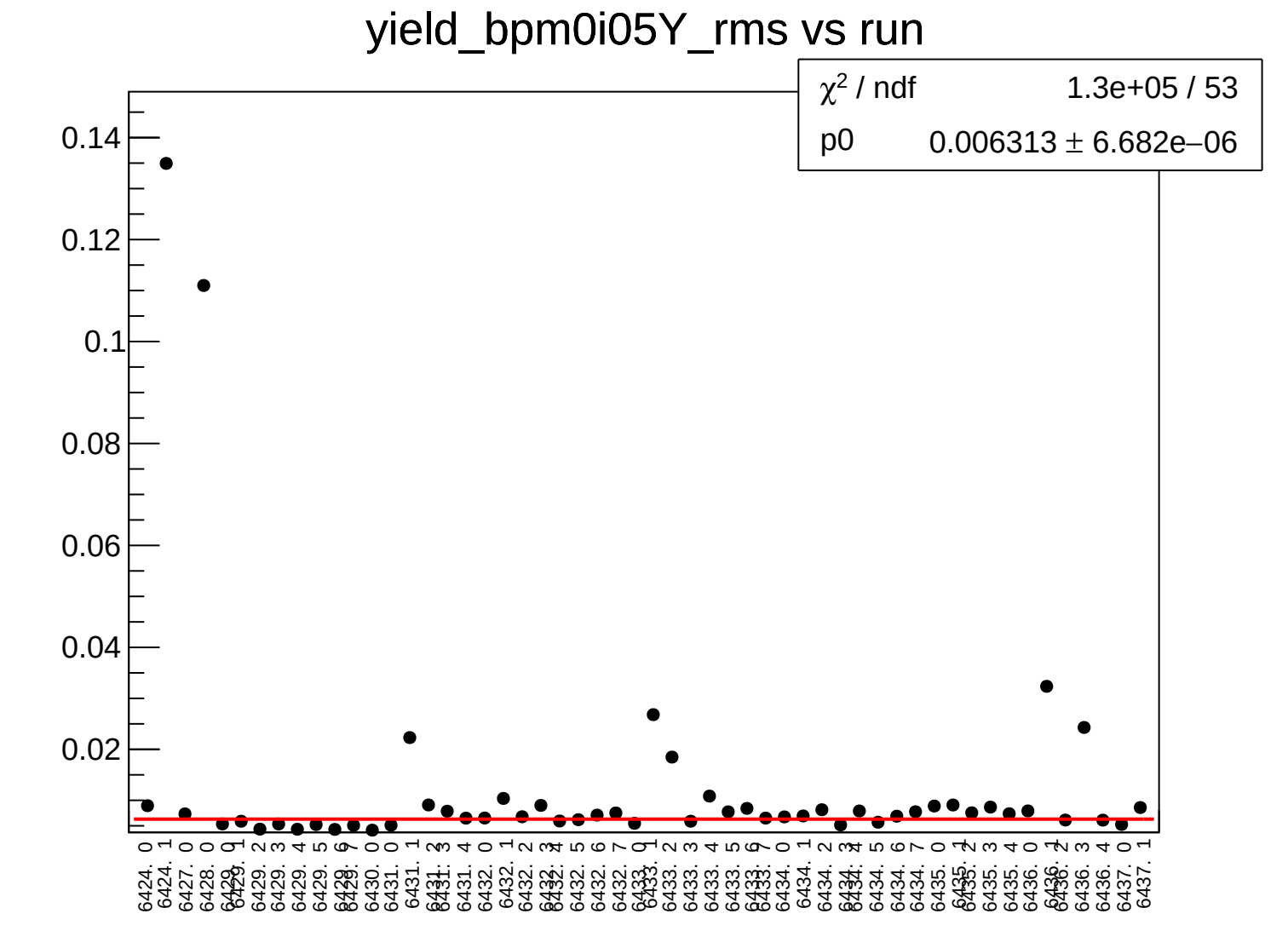
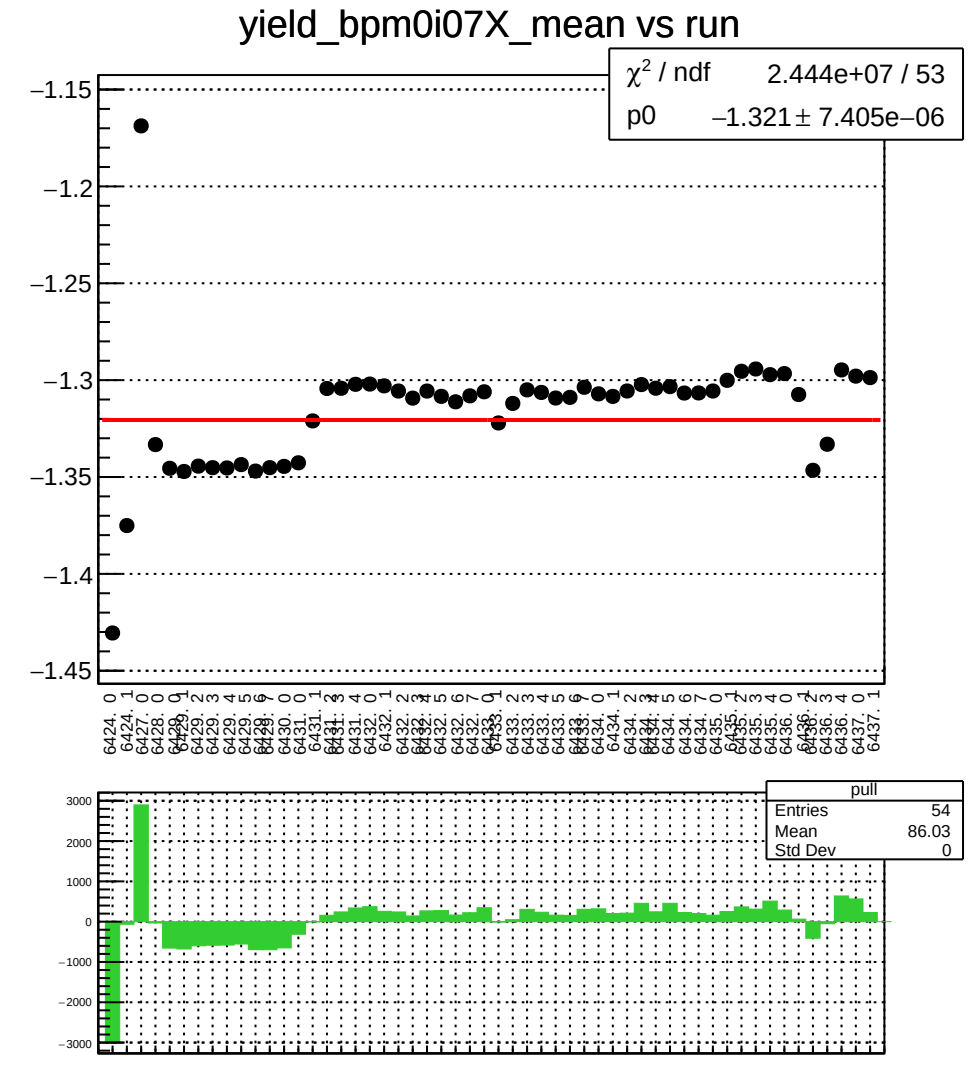
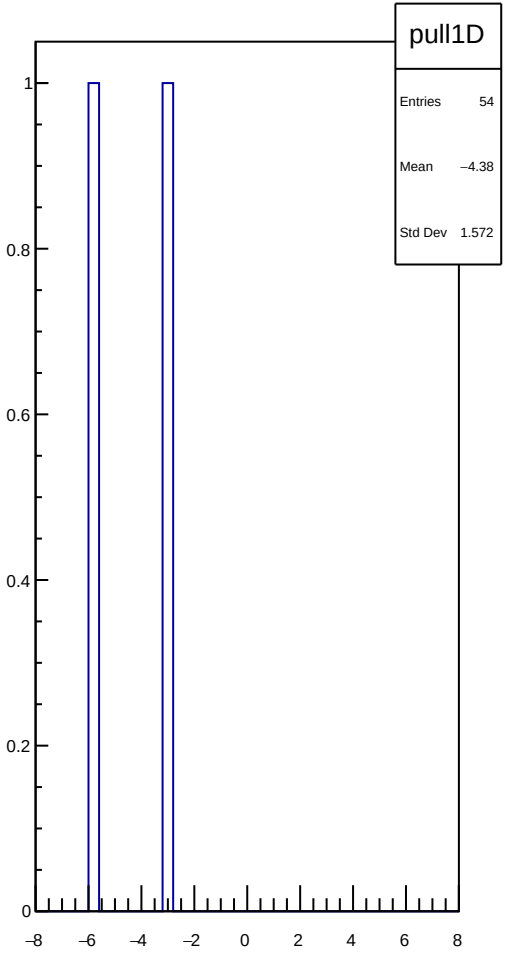
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

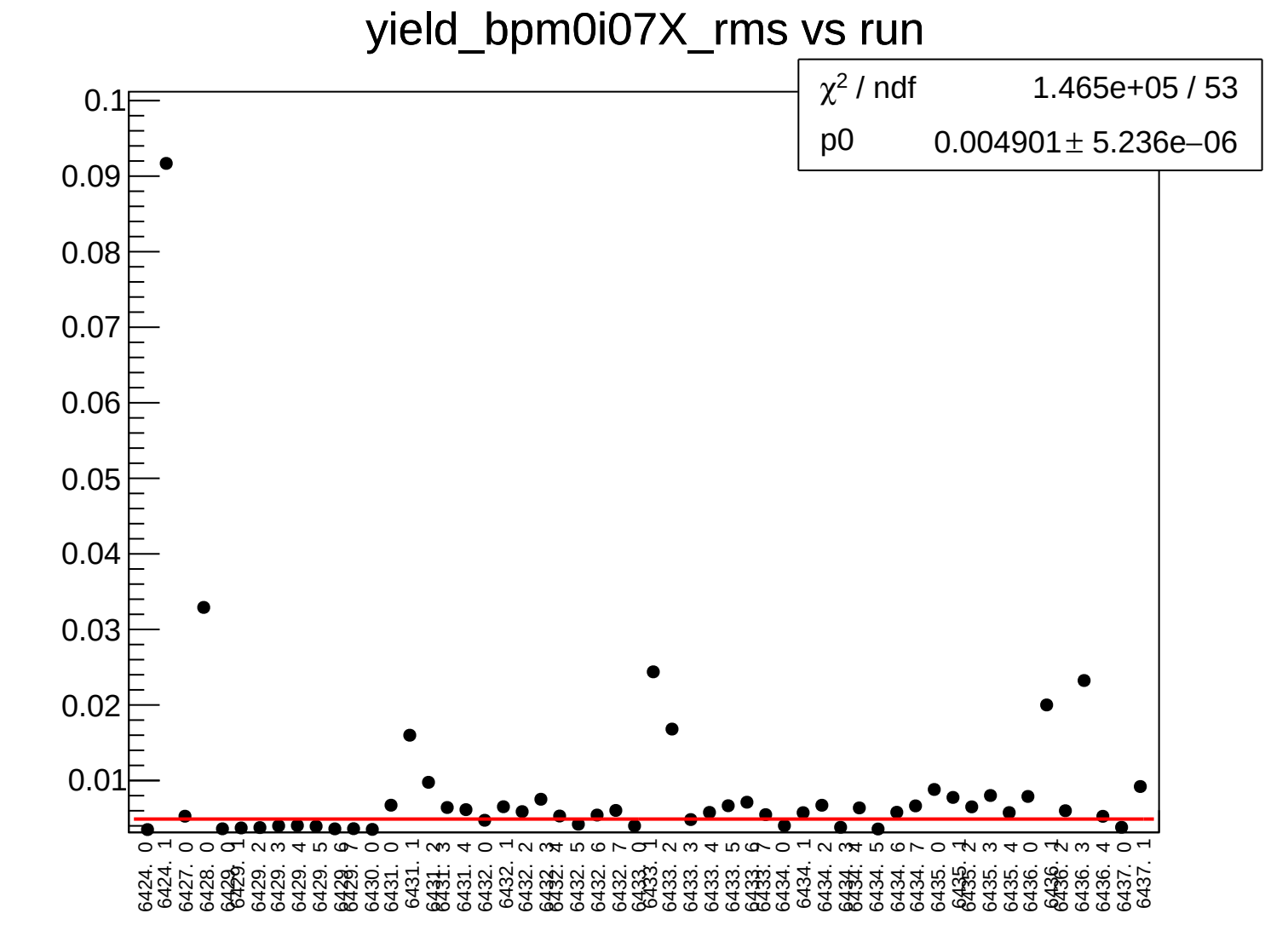

yield_bpm0i05Y_mean vs run
χ² / ndf 1.091e+08 / 53
p0 −1.093 ± 9.45e−06
pull
Entries 54
Mean −405.8
Std Dev 0

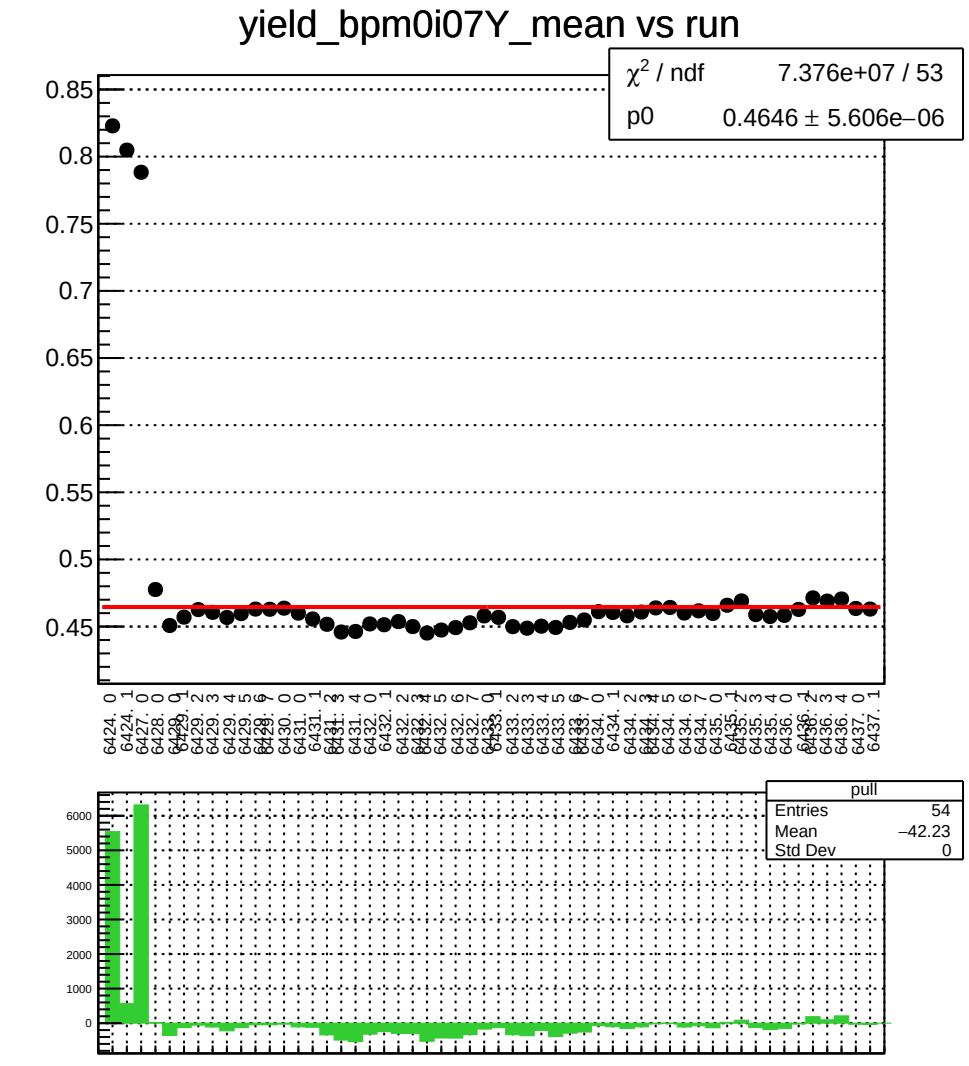

pull1D
Entries 54
Mean −4.177
Std Dev 0

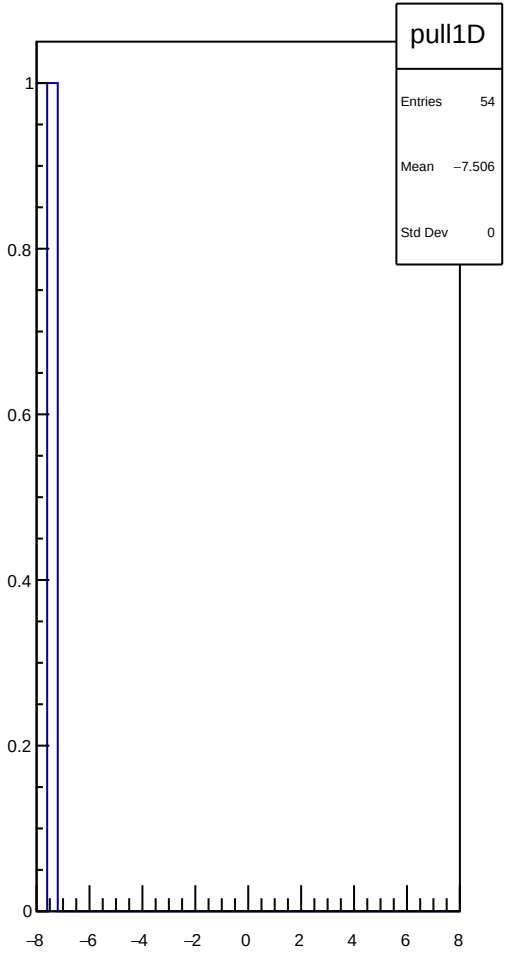

yield_bpm0i05Y_rms vs run
χ² / ndf 1.3e+05 / 53
p0 0.006313 ± 6.682e−06
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

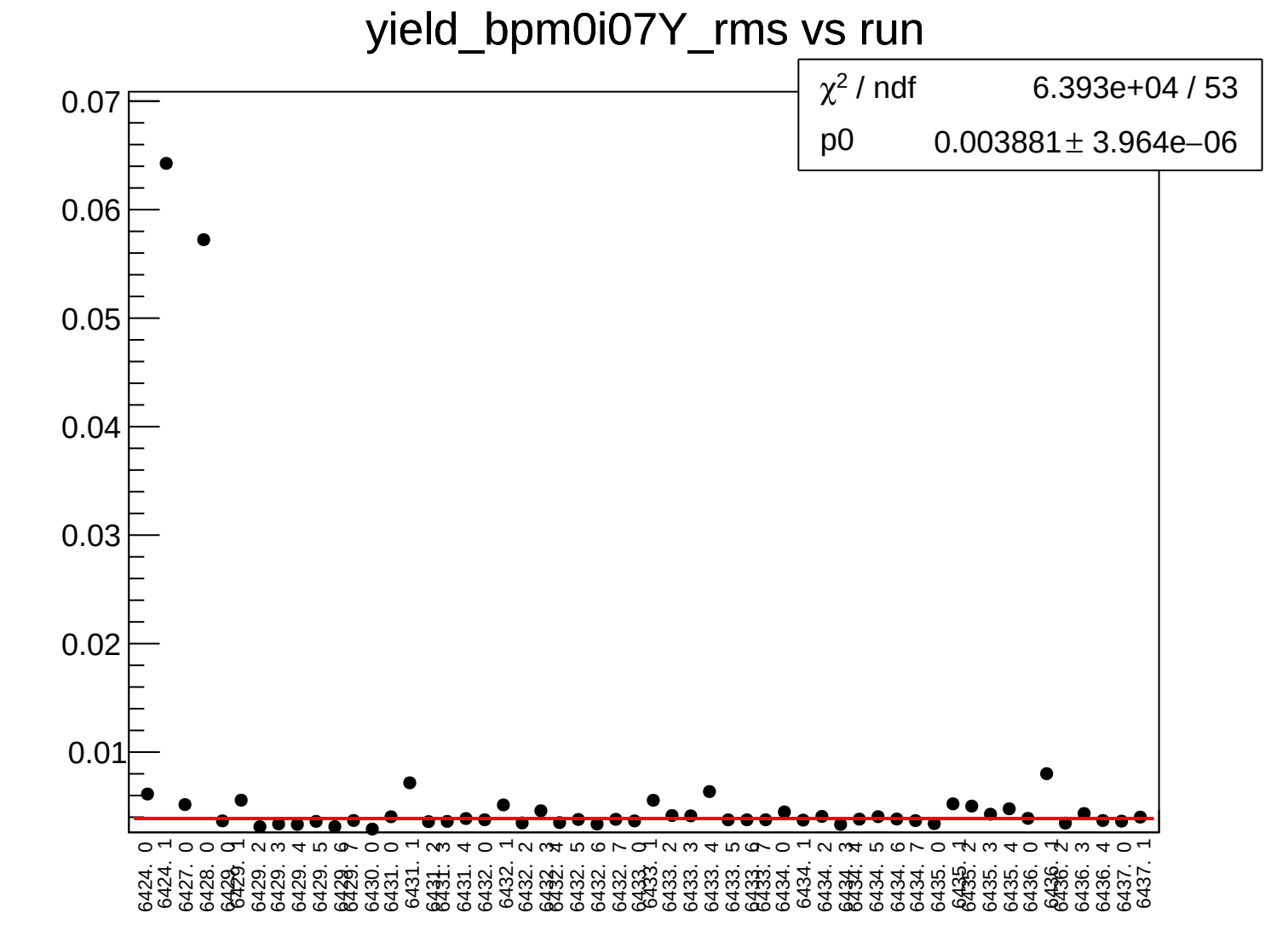

yield_bpm0i07X_mean vs run
χ² / ndf 2.444e+07 / 53
p0 −1.321 ± 7.405e−06
−1.15
−1.2
−1.25
−1.3
−1.35
−1.4
−1.45
pull
Entries 54
Mean 86.03
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000

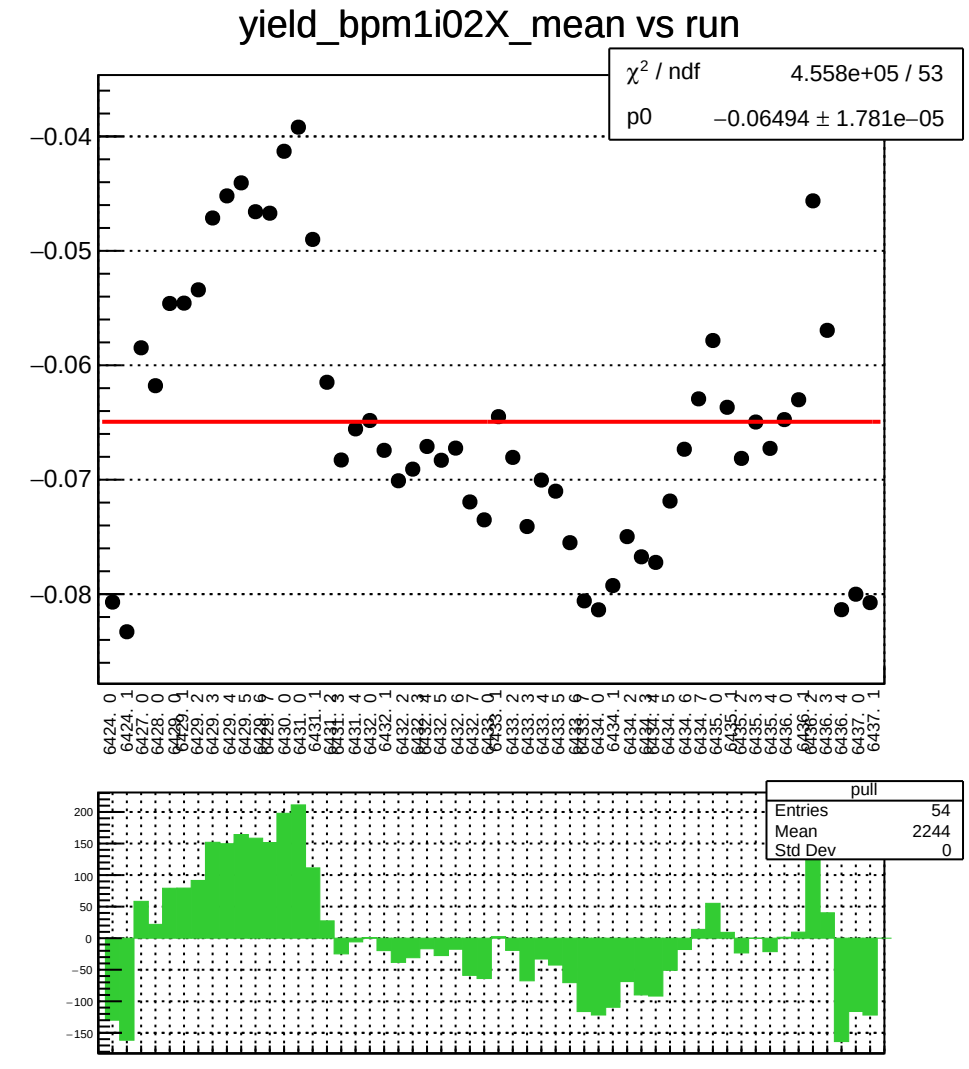

pull1D
Entries 54
Mean −4.38
Std Dev 1.572
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

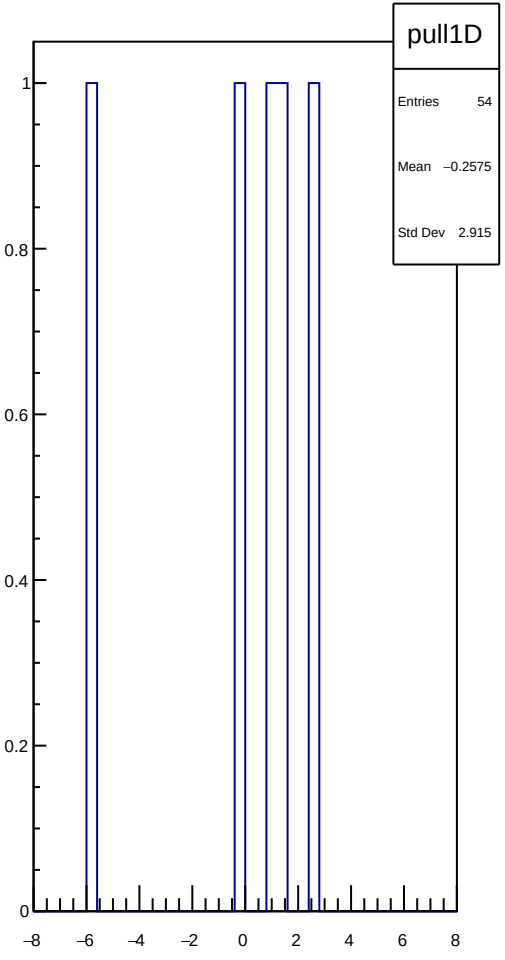

yield_bpm0i07X_rms vs run
χ² / ndf 1.465e+05 / 53
p0 0.004901 ± 5.236e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

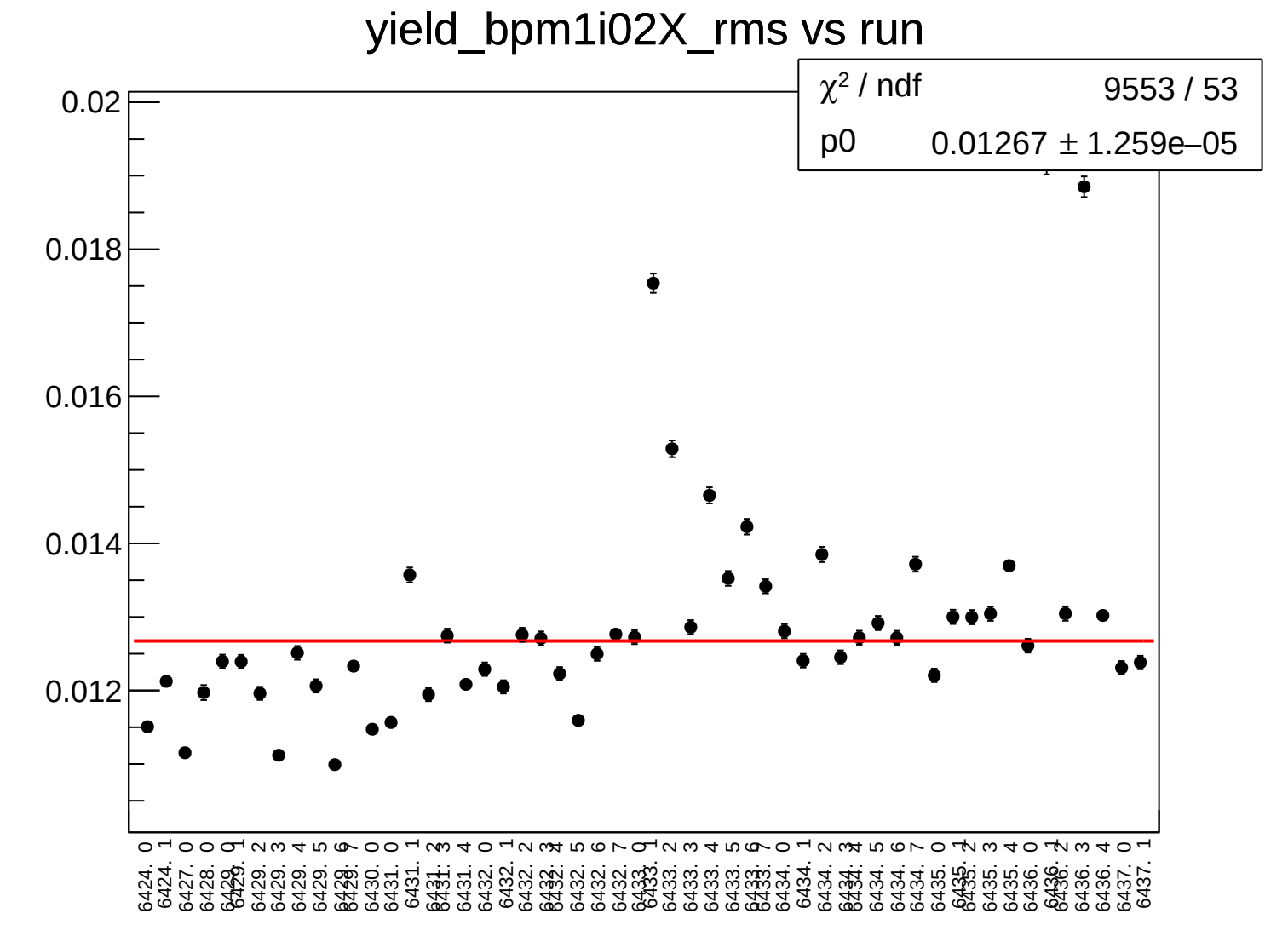

yield_bpm0i07Y_mean vs run
χ² / ndf 7.376e+07 / 53
p0 0.4646 ± 5.606e−06
pull
Entries 54
Mean −42.23
Std Dev 0

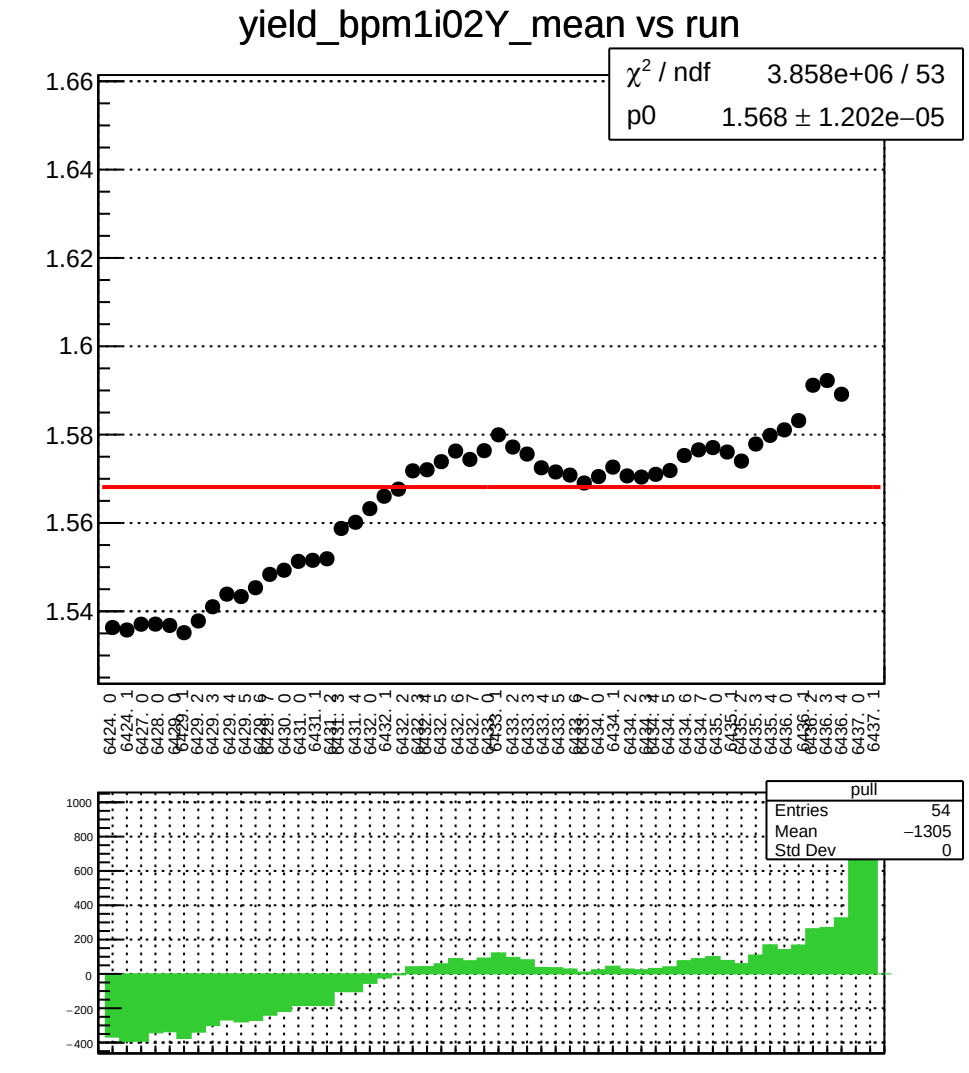

pull1D
Entries 54
Mean −7.506
Std Dev 0

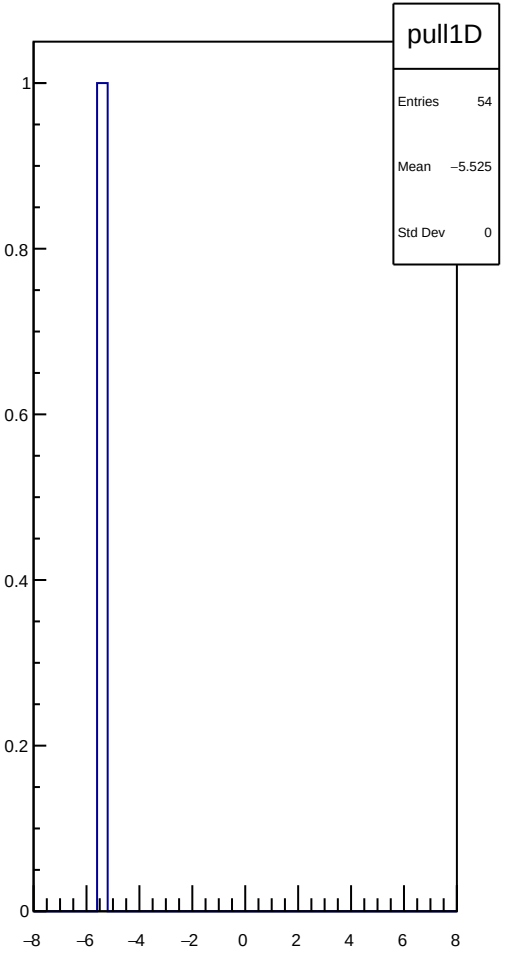

yield_bpm0i07Y_rms vs run
χ² / ndf 6.393e+04 / 53
p0 0.003881 ± 3.964e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

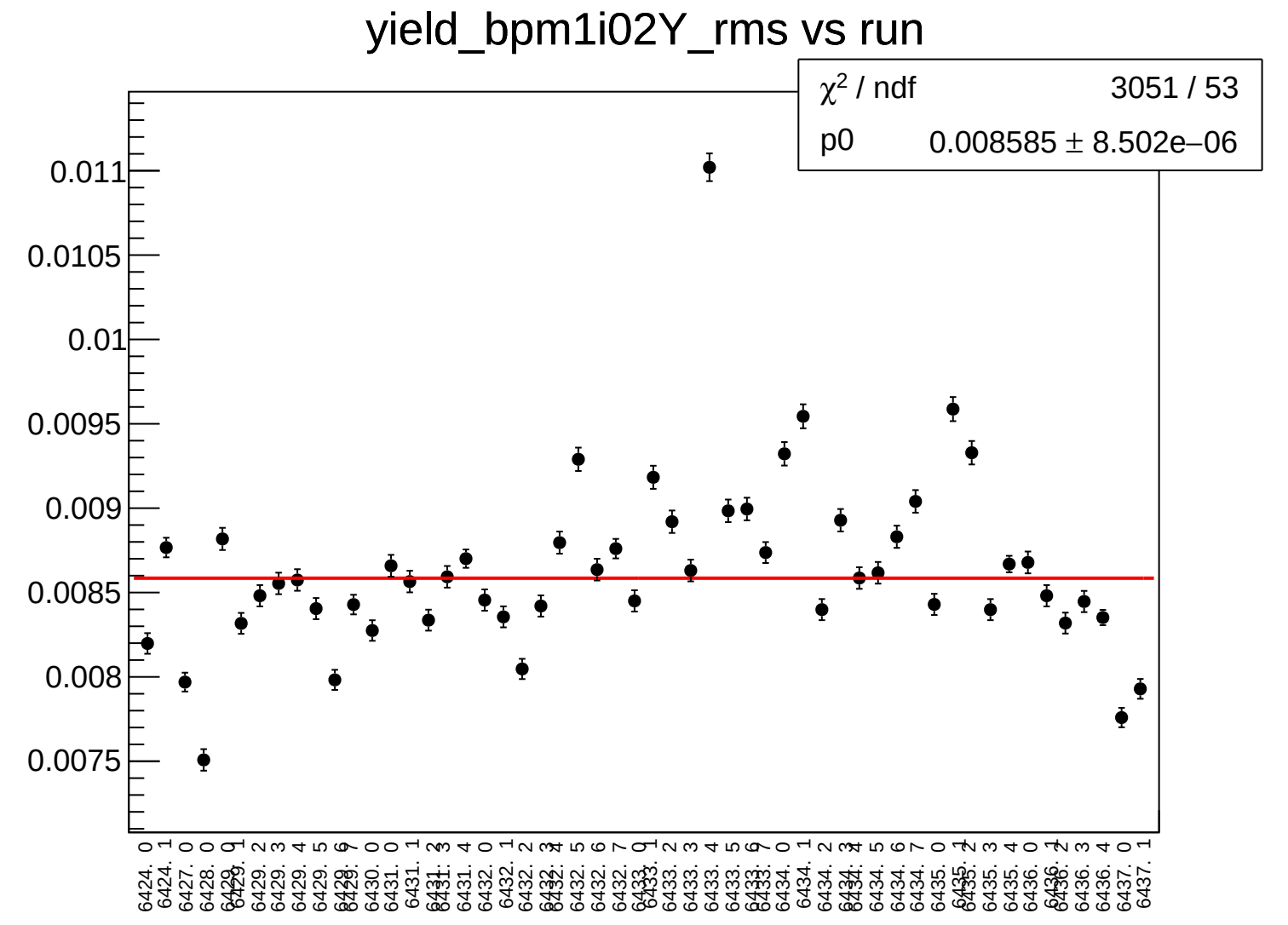

yield_bpm1i02X_mean vs run
χ² / ndf 4.558e+05 / 53
p0 −0.06494 ± 1.781e−05
pull
Entries 54
Mean 2244
Std Dev 0

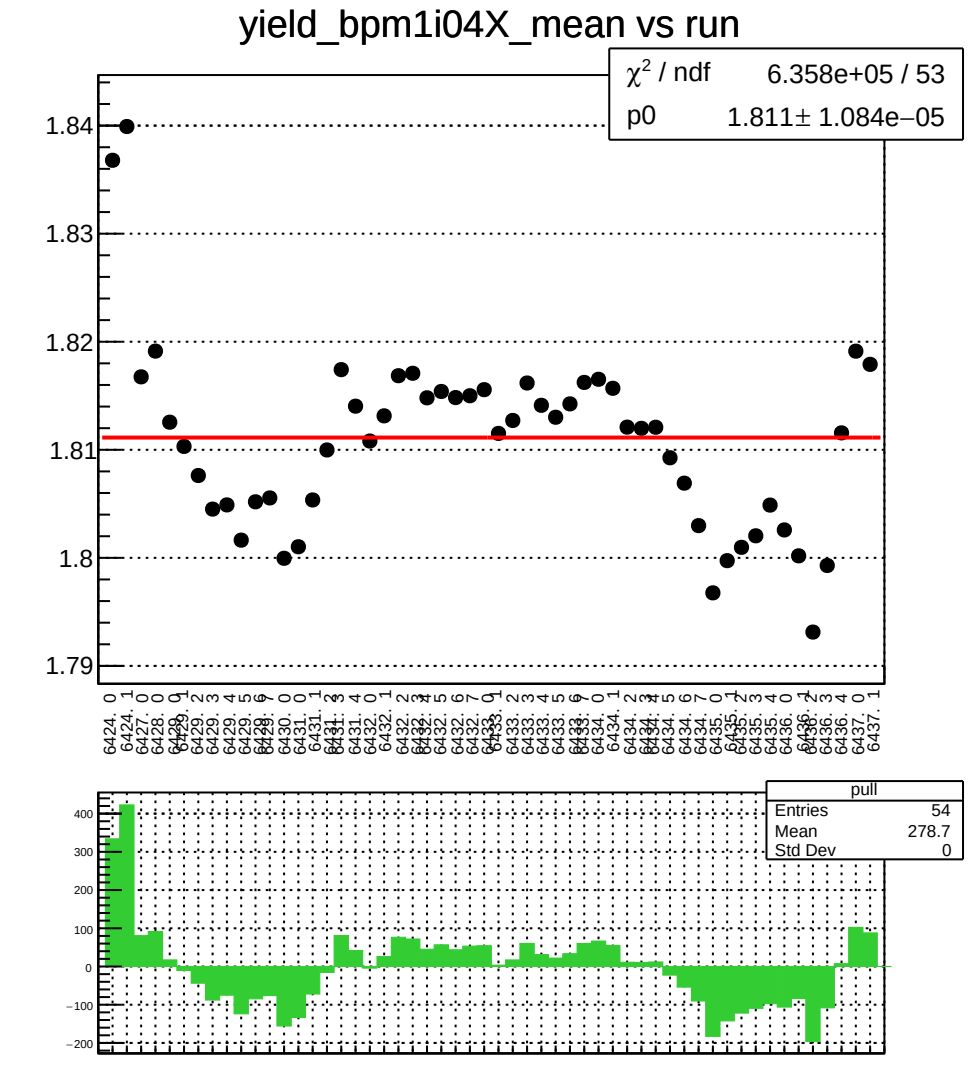

pull1D
Entries 54
Mean −0.2575
Std Dev 2.915

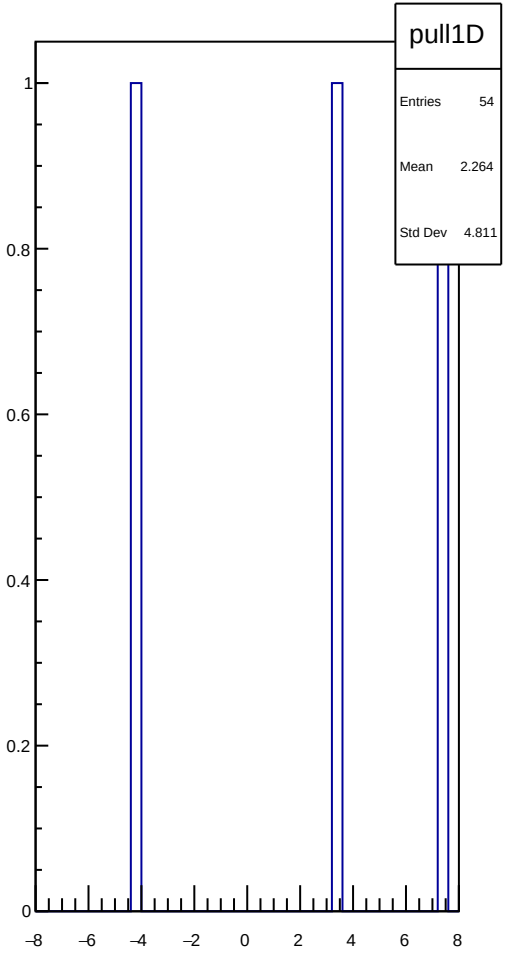

yield_bpm1i02X_rms vs run
χ² / ndf 9553 / 53
p0 0.01267 ± 1.259e−05
0.02
0.018
0.016
0.014
0.012
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

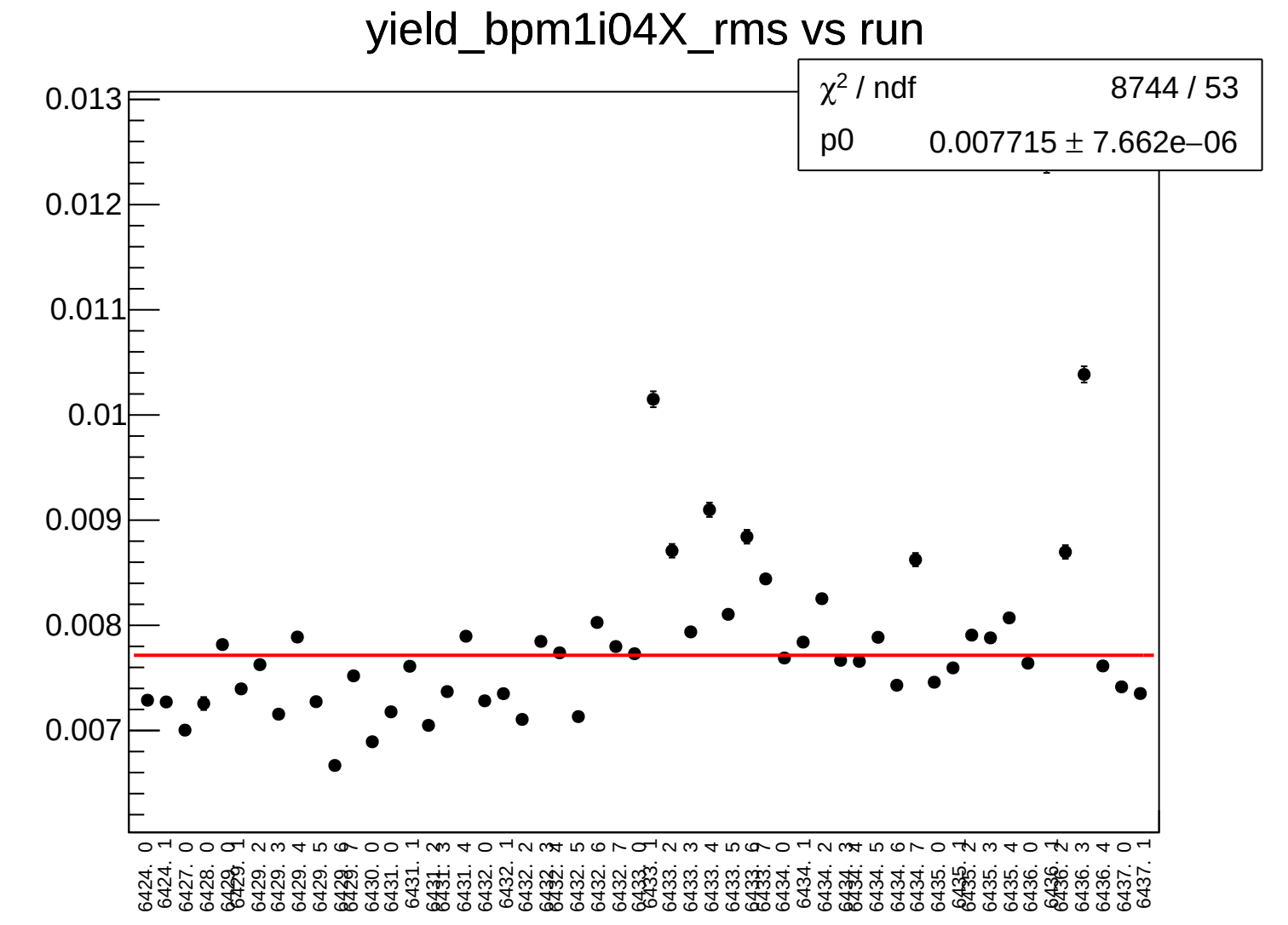

yield_bpm1i02Y_mean vs run
χ² / ndf 3.858e+06 / 53
p0 1.568 ± 1.202e−05
pull
Entries 54
Mean −1305
Std Dev 0

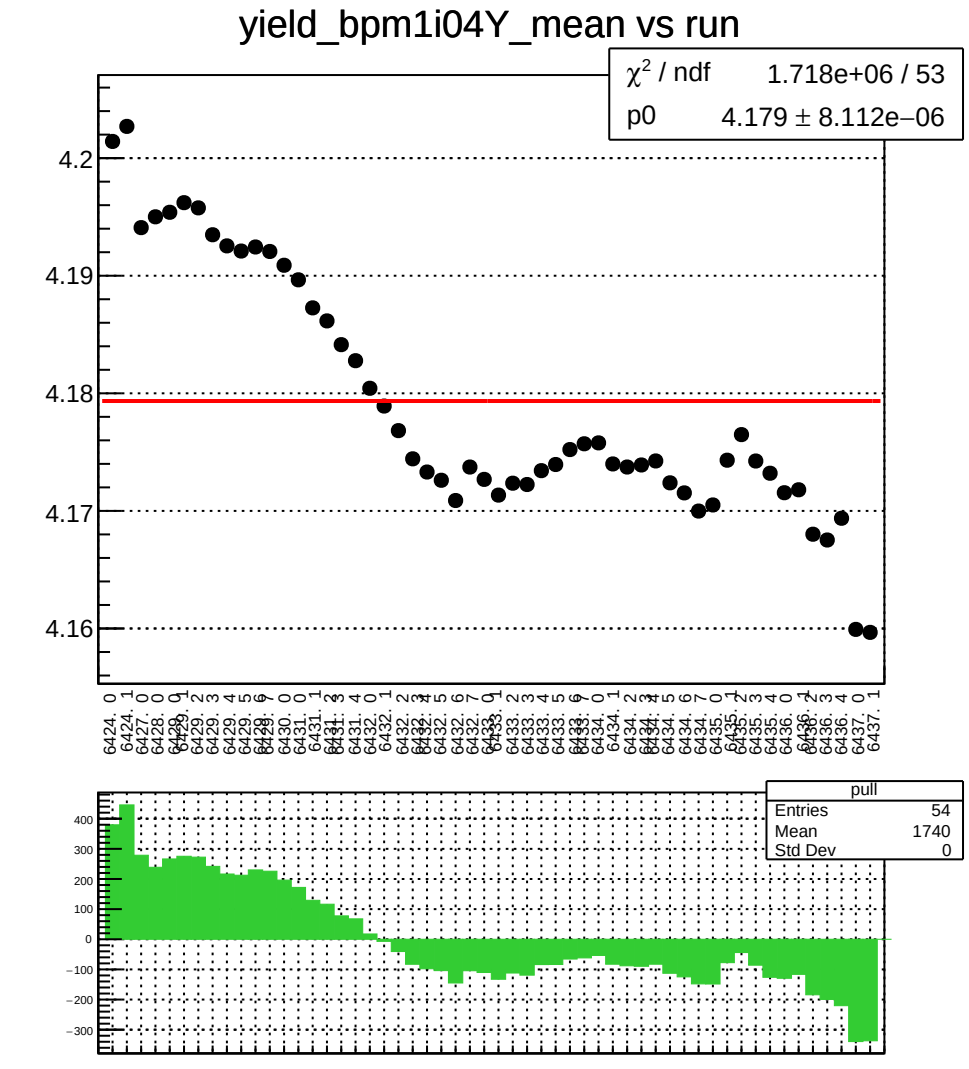

pull1D
Entries 54
Mean −5.525
Std Dev 0

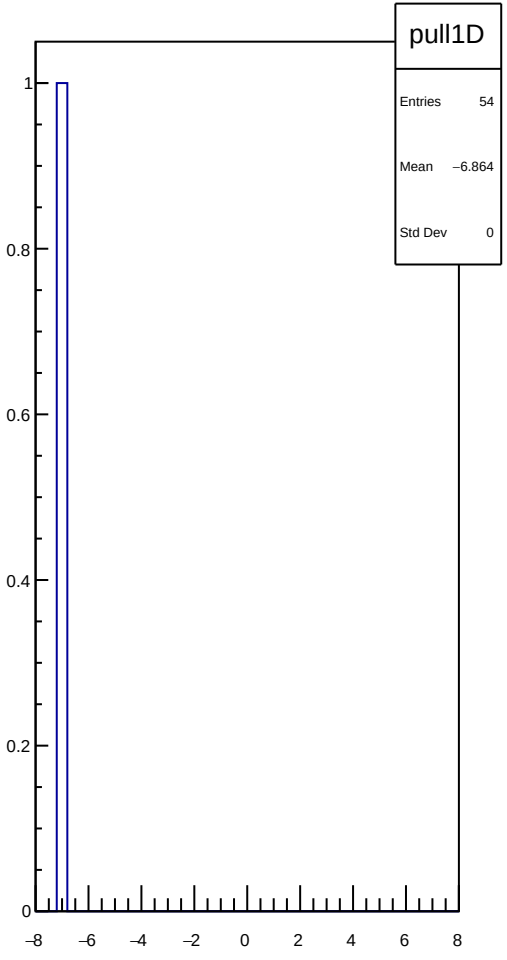

yield_bpm1i02Y_rms vs run
χ² / ndf 3051 / 53
p0 0.008585 ± 8.502e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

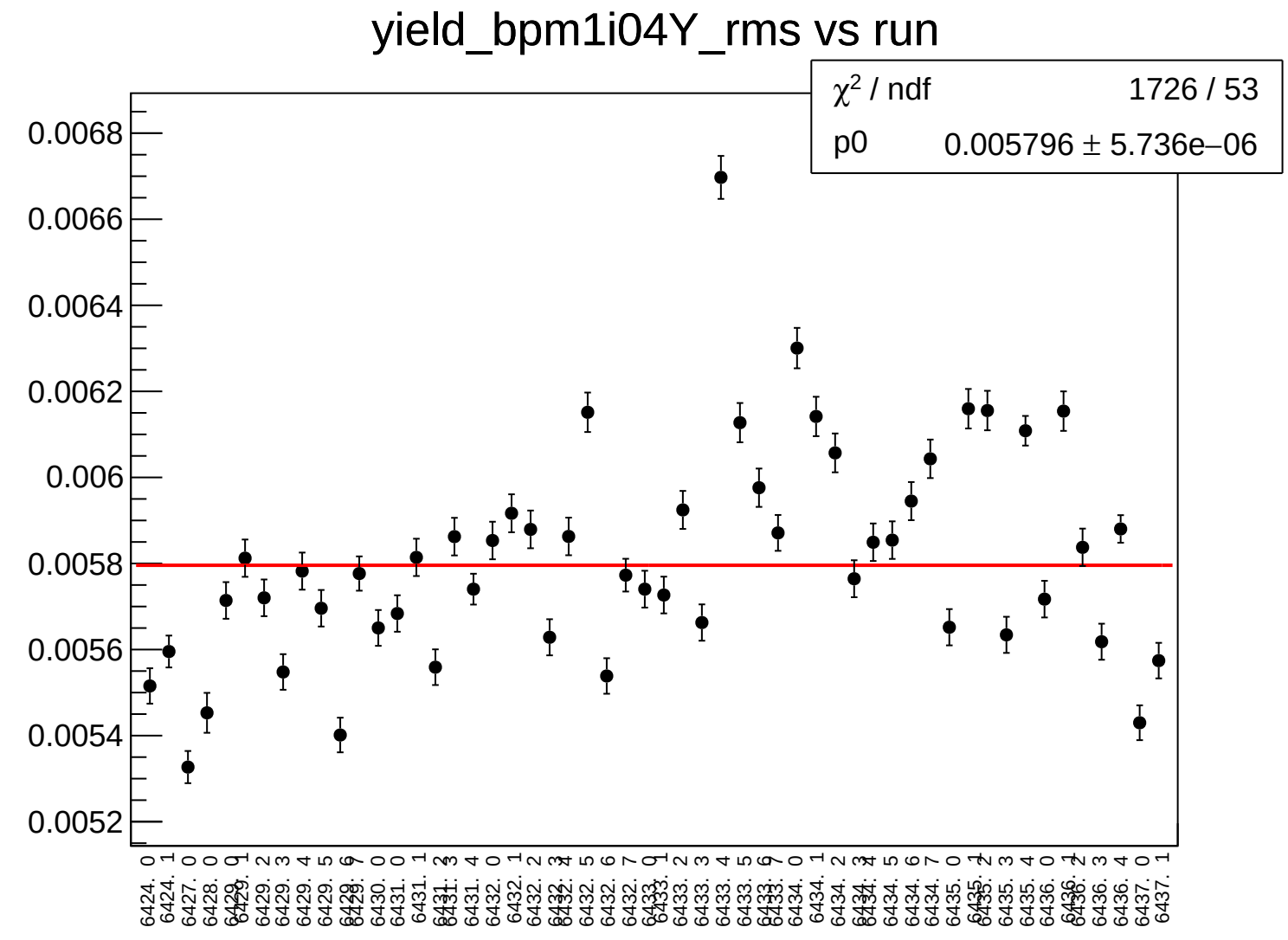

yield_bpm1i04X_mean vs run
χ² / ndf 6.358e+05 / 53
p0 1.811± 1.084e−05
1.84
1.83
1.82
1.81
1.8
1.79
pull
Entries 54
Mean 278.7
Std Dev 0
400
300
200
100
0
−100
−200

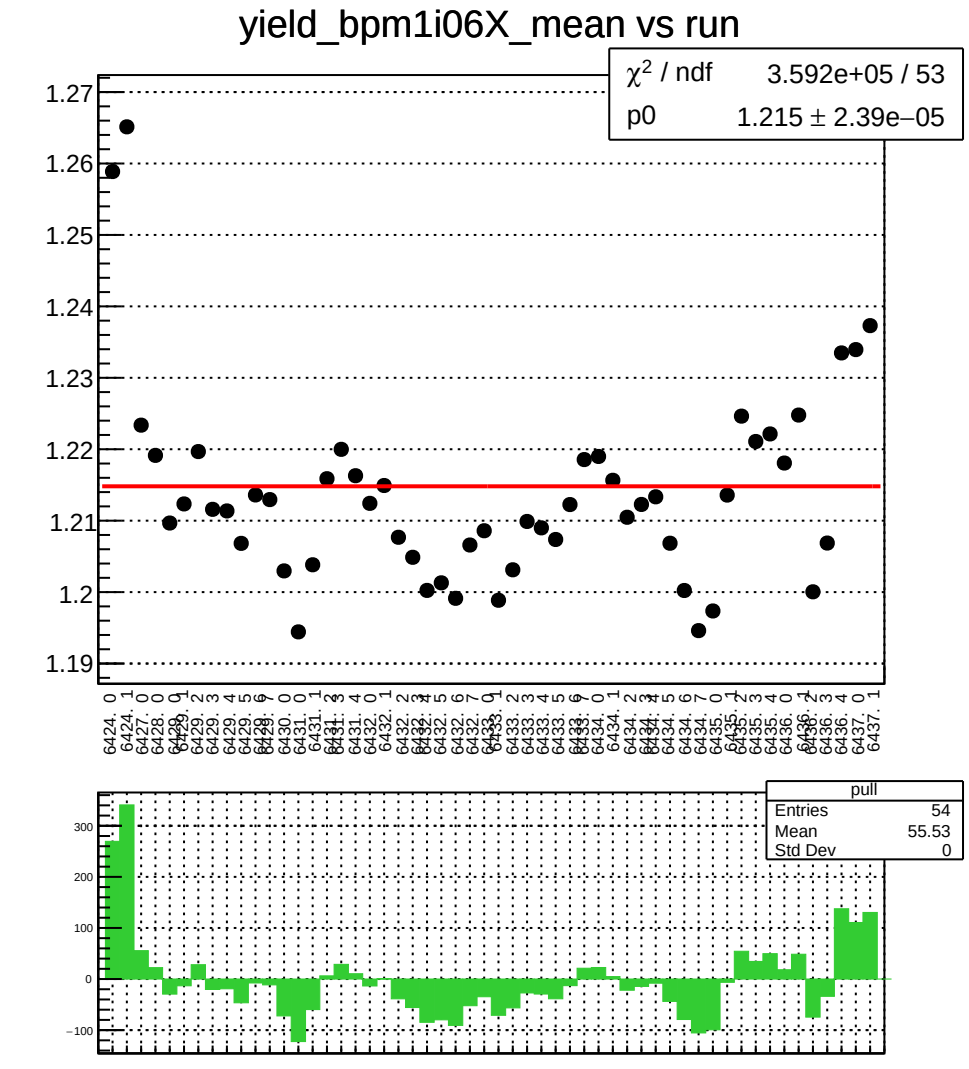

pull1D
Entries 54
Mean 2.264
Std Dev 4.811
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

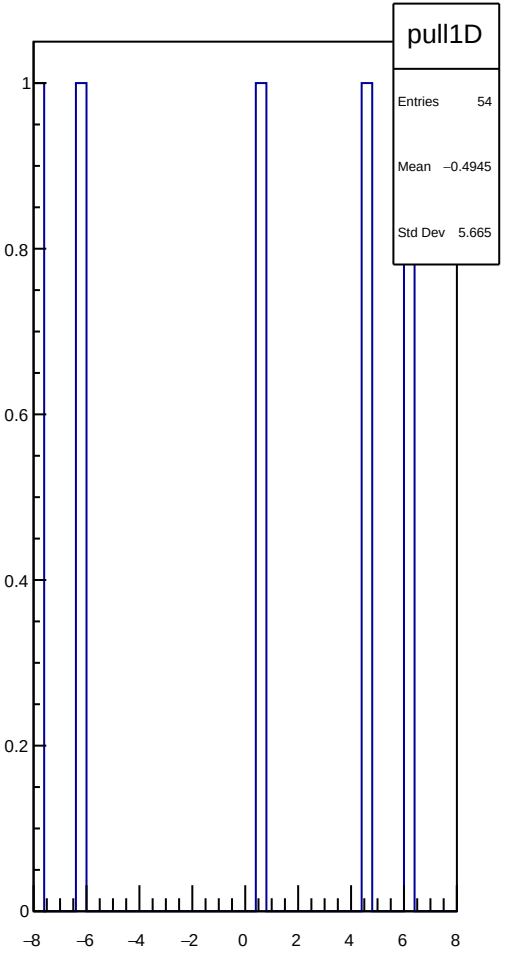

yield_bpm1i04X_rms vs run
χ² / ndf 8744 / 53
p0 0.007715 ± 7.662e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

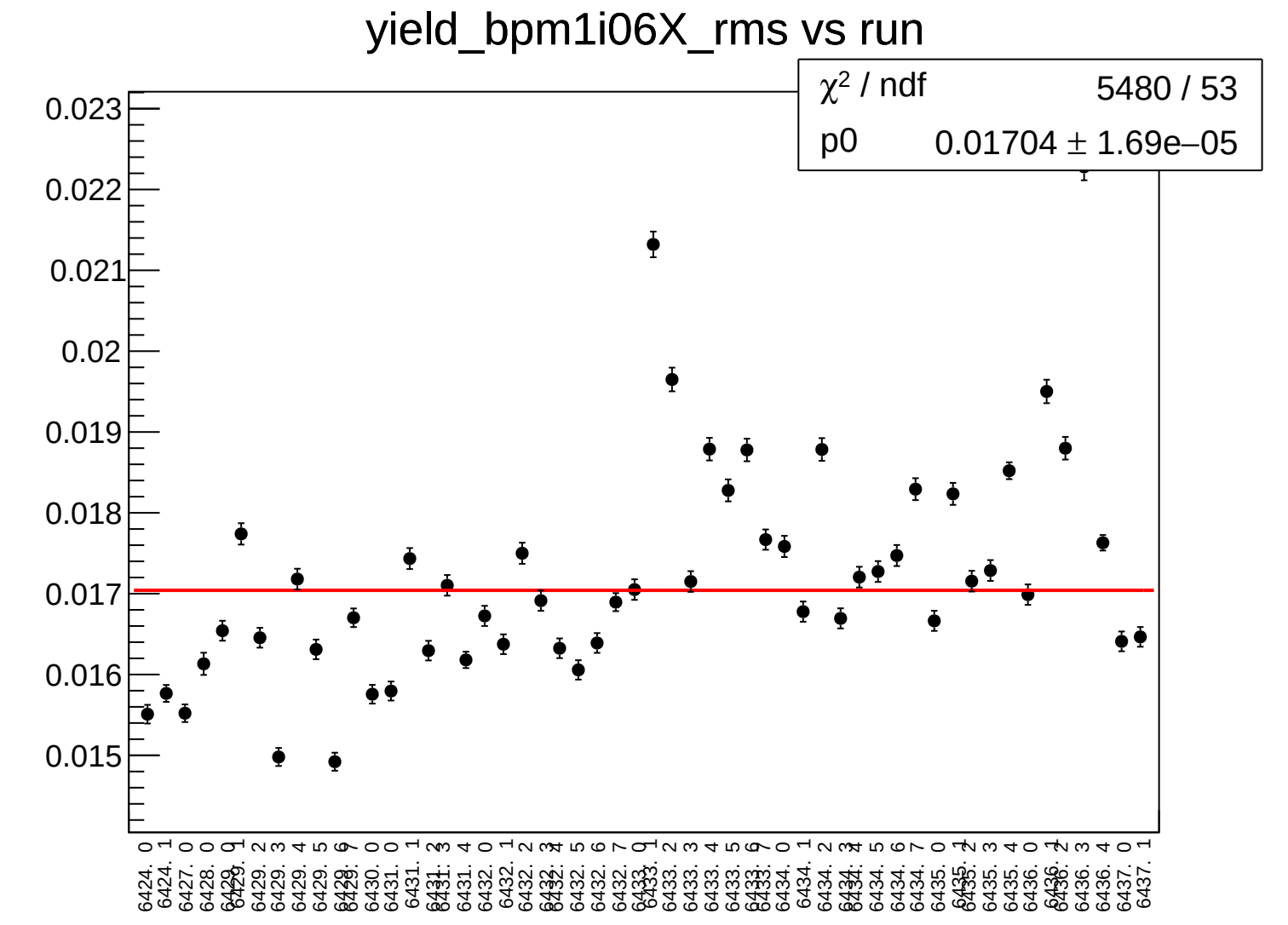

yield_bpm1i04Y_mean vs run
χ² / ndf 1.718e+06 / 53
p0 4.179 ± 8.112e−06
4.2
4.19
4.18
4.17
4.16
pull
Entries 54
Mean 1740
Std Dev 0
400
300
200
100
0
−100
−200
−300

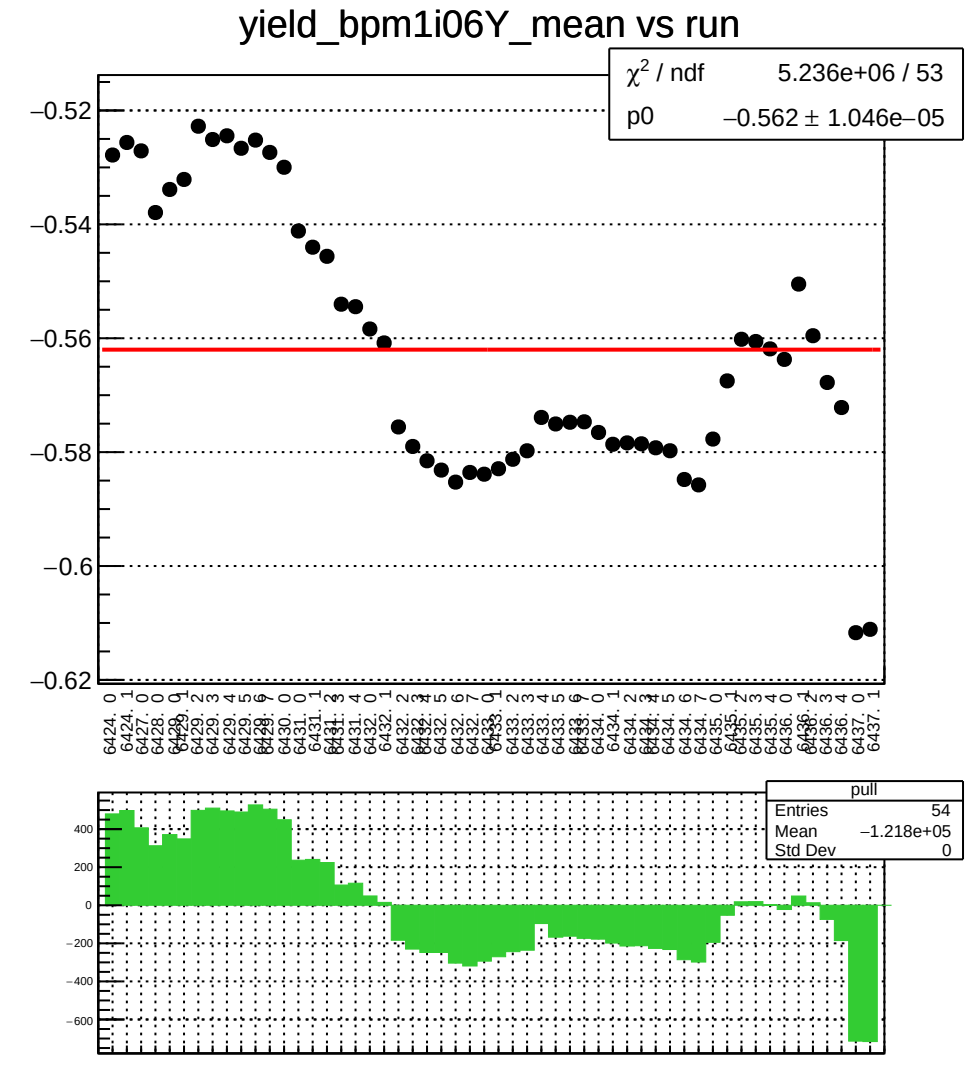

pull1D
Entries 54
Mean −6.864
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

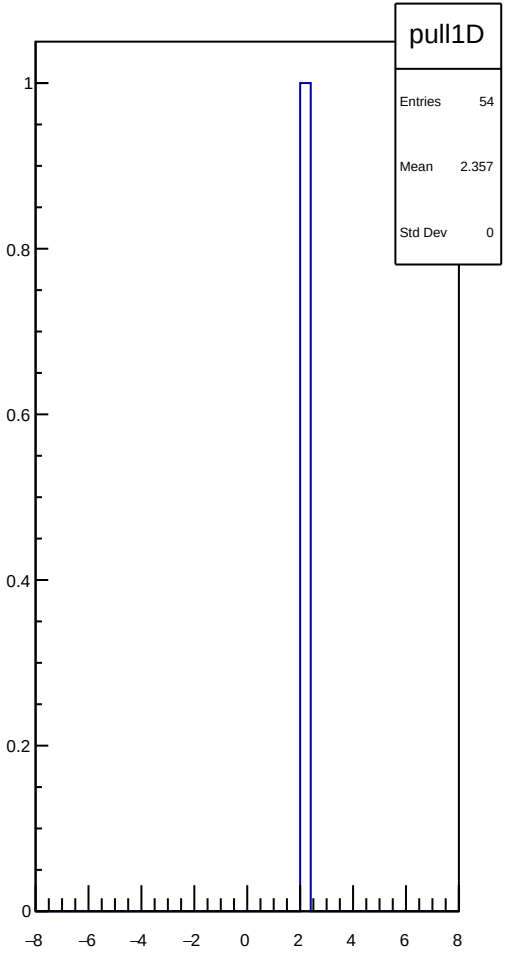

yield_bpm1i04Y_rms vs run
χ² / ndf 1726 / 53
p0 0.005796 ± 5.736e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

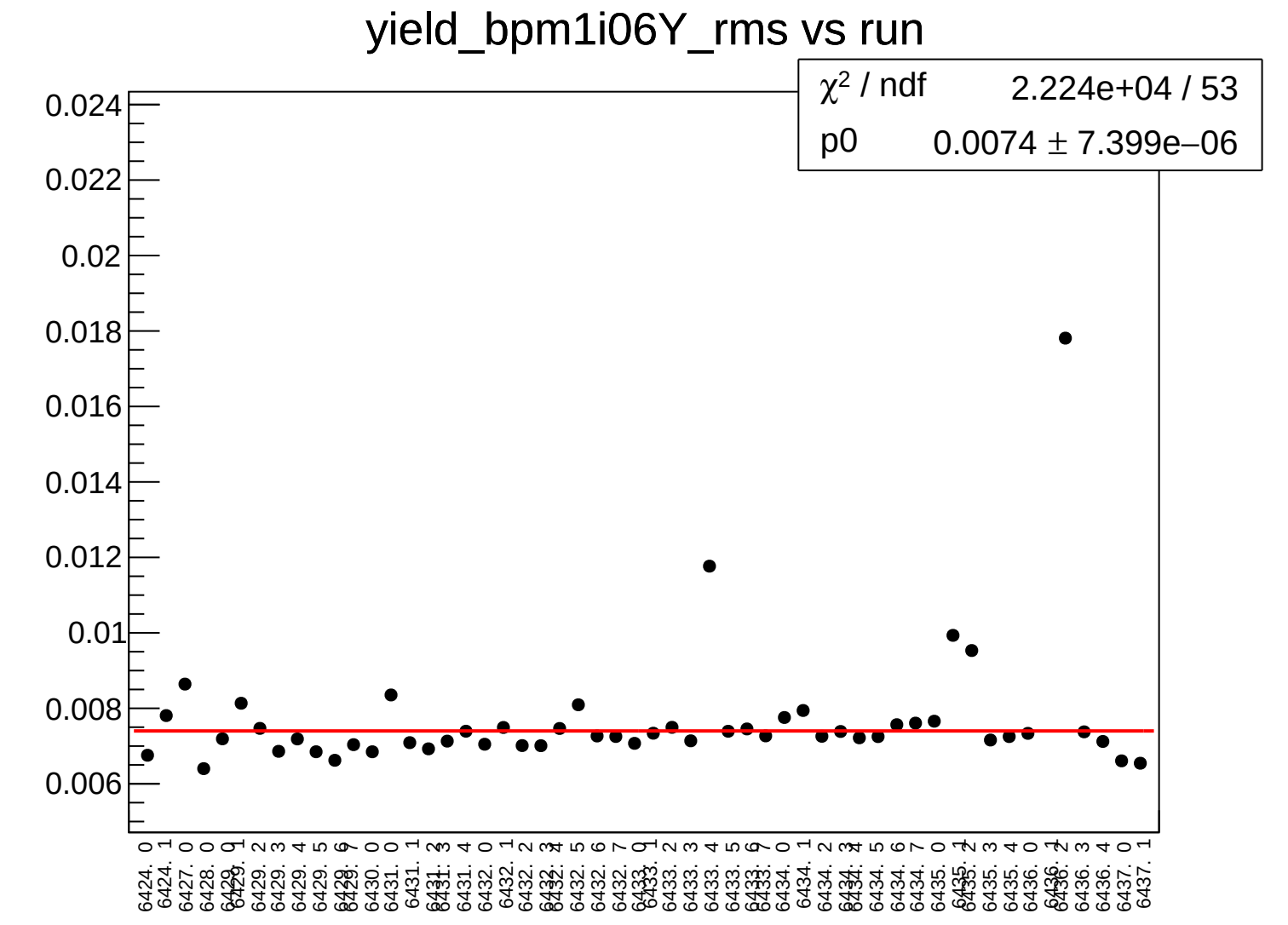

yield_bpm1i06X_mean vs run
χ² / ndf 3.592e+05 / 53
p0 1.215 ± 2.39e−05
1.27
1.26
1.25
1.24
1.23
1.22
1.21
1.2
1.19
pull
Entries 54
Mean 55.53
Std Dev 0
300
200
100
0
−100

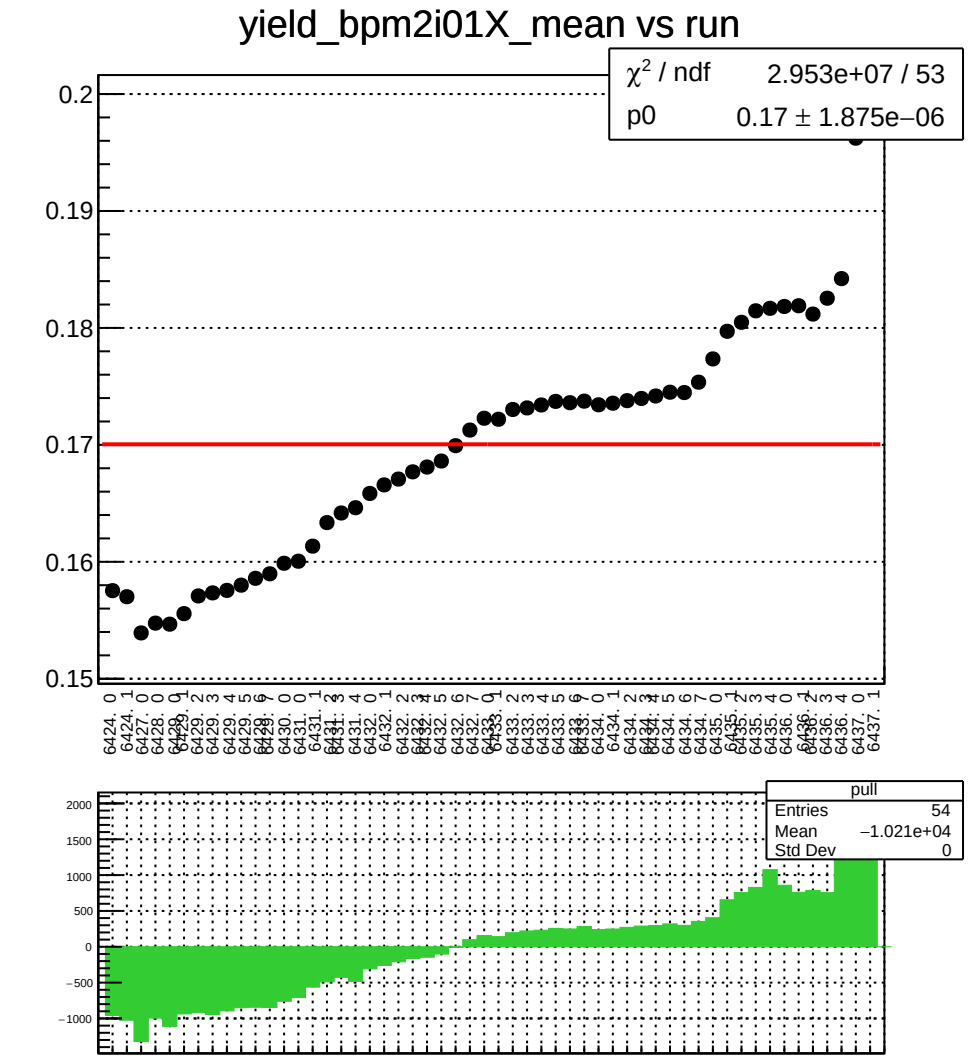

pull1D
Entries 54
Mean −0.4945
Std Dev 5.665
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

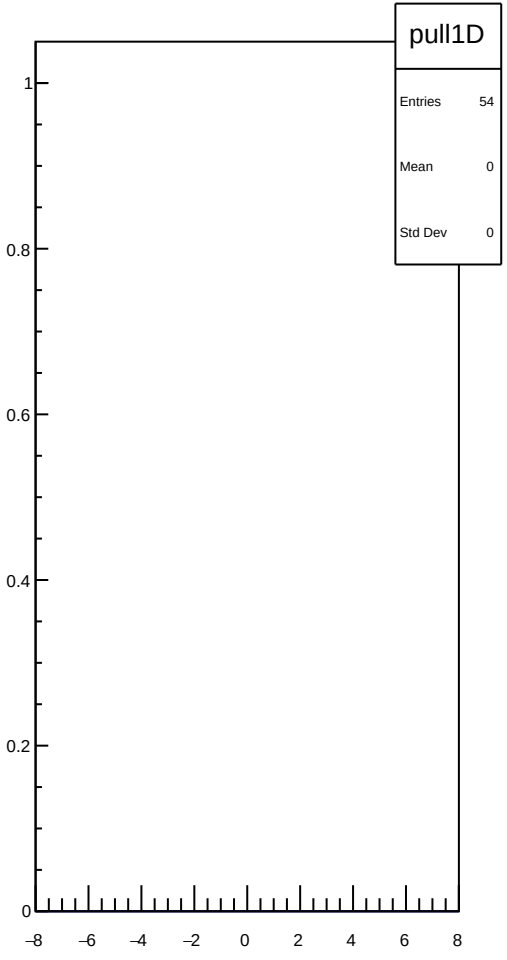

yield_bpm1i06X_rms vs run
χ² / ndf 5480 / 53
p0 0.01704 ± 1.69e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

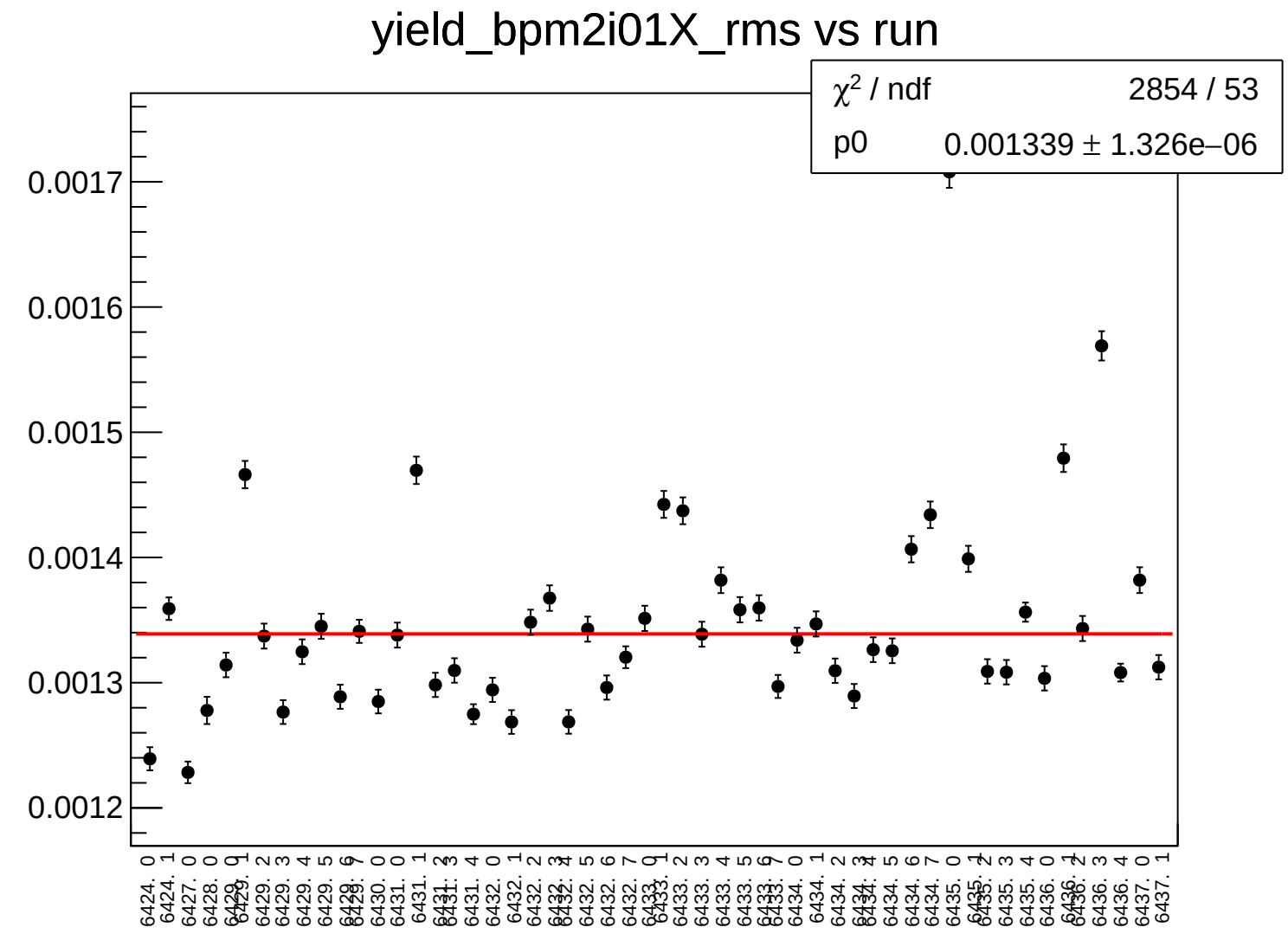

yield_bpm1i06Y_mean vs run
χ² / ndf 5.236e+06 / 53
p0 −0.562 ± 1.046e−05
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
pull
Entries 54
Mean −1.218e+05
Std Dev 0
400
200
0
−200
−400
−600

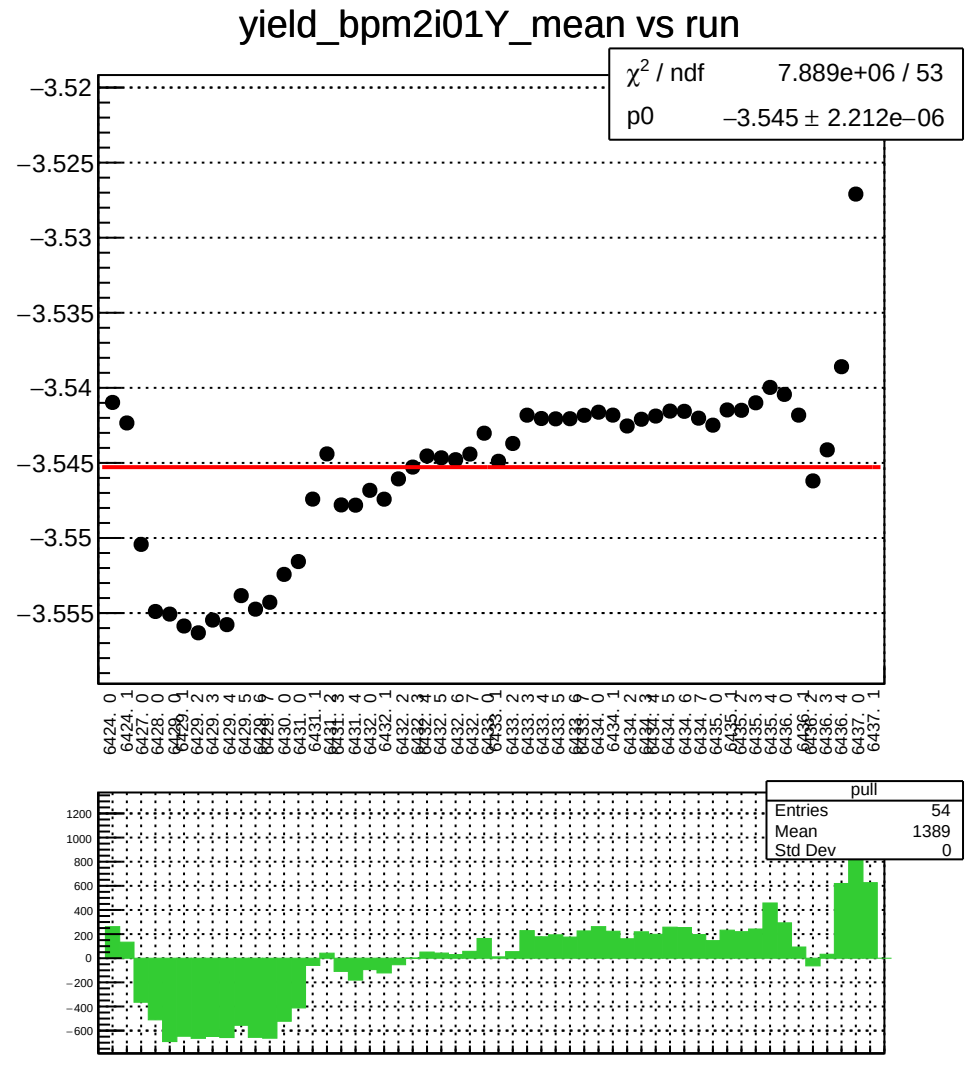

pull1D
Entries 54
Mean 2.357
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

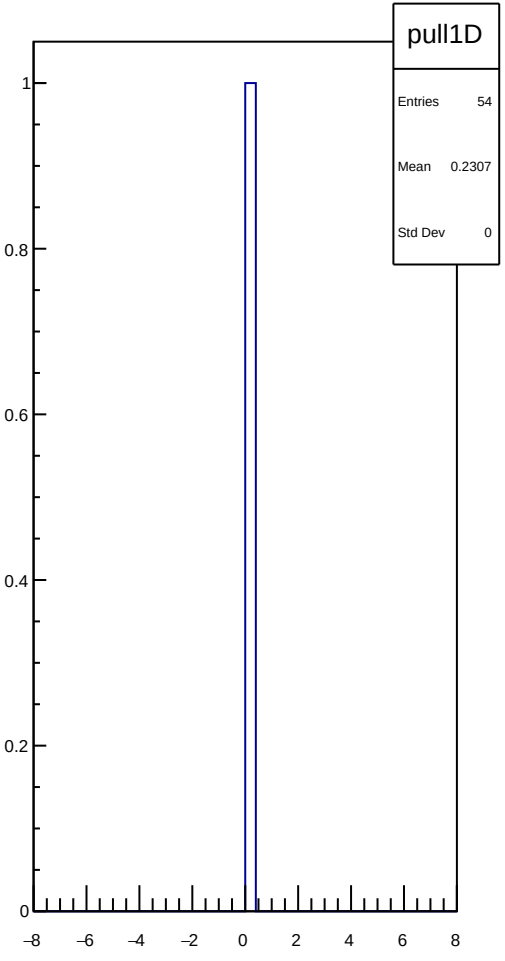

yield_bpm1i06Y_rms vs run
χ² / ndf 2.224e+04 / 53
p0 0.0074 ± 7.399e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

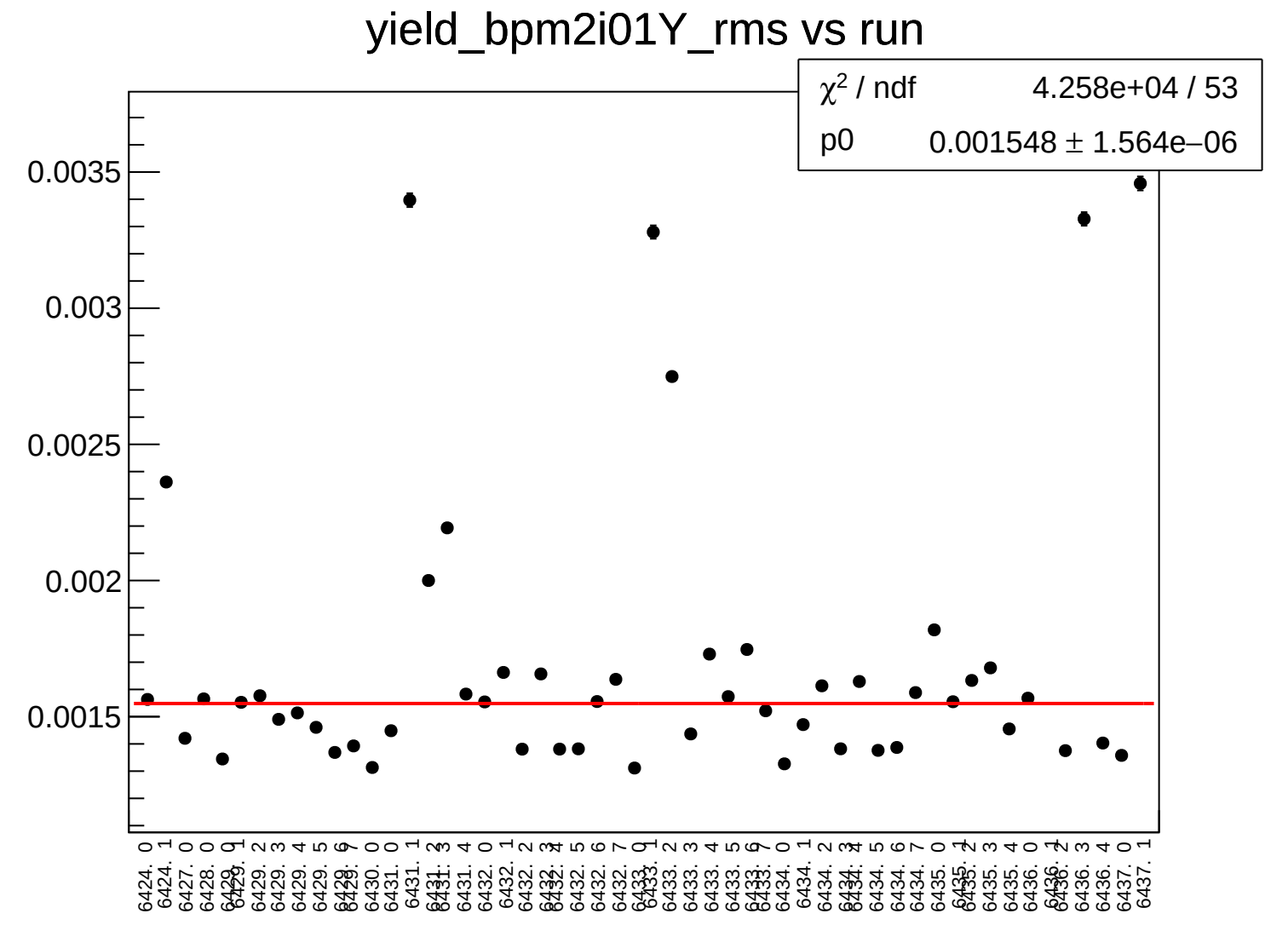

yield_bpm2i01X_mean vs run
χ² / ndf 2.953e+07 / 53
p0 0.17 ± 1.875e−06
pull
Entries 54
Mean −1.021e+04
Std Dev 0

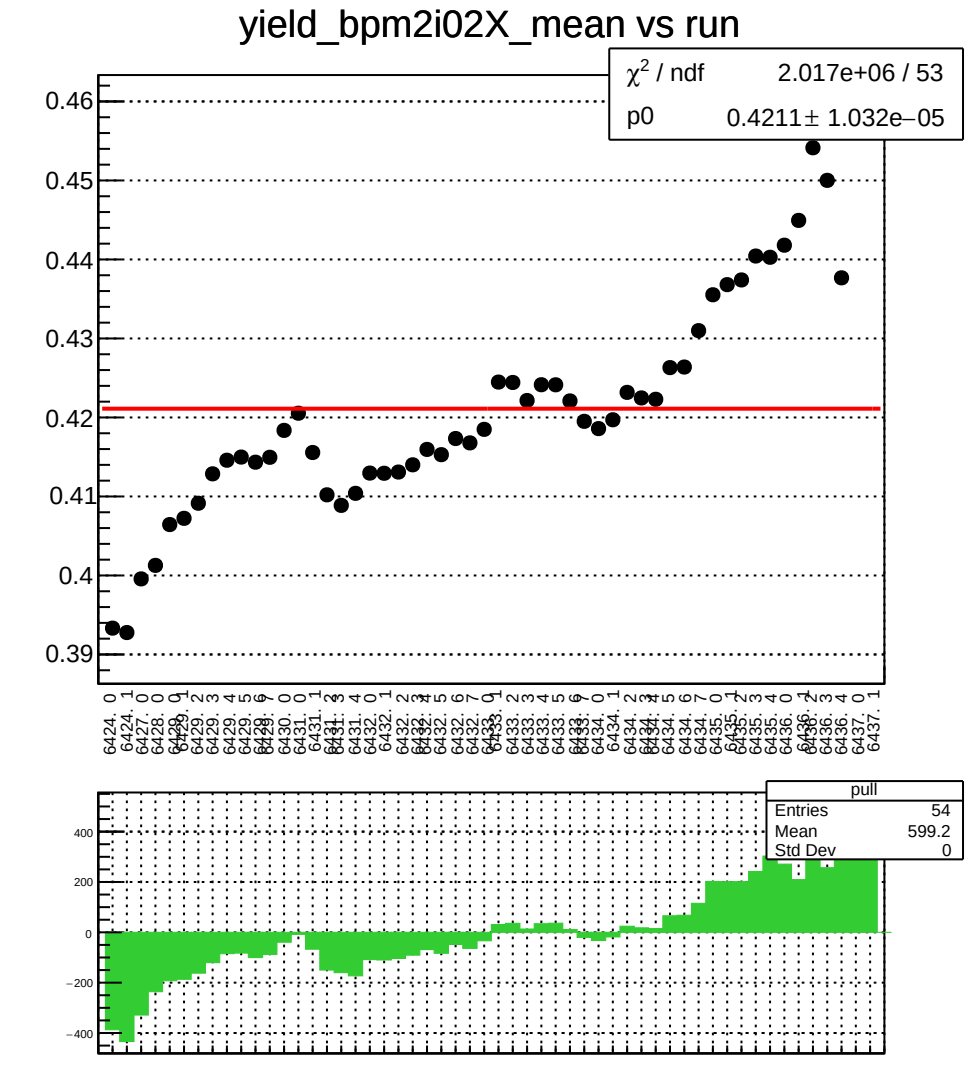

pull1D
Entries 54
Mean 0
Std Dev 0

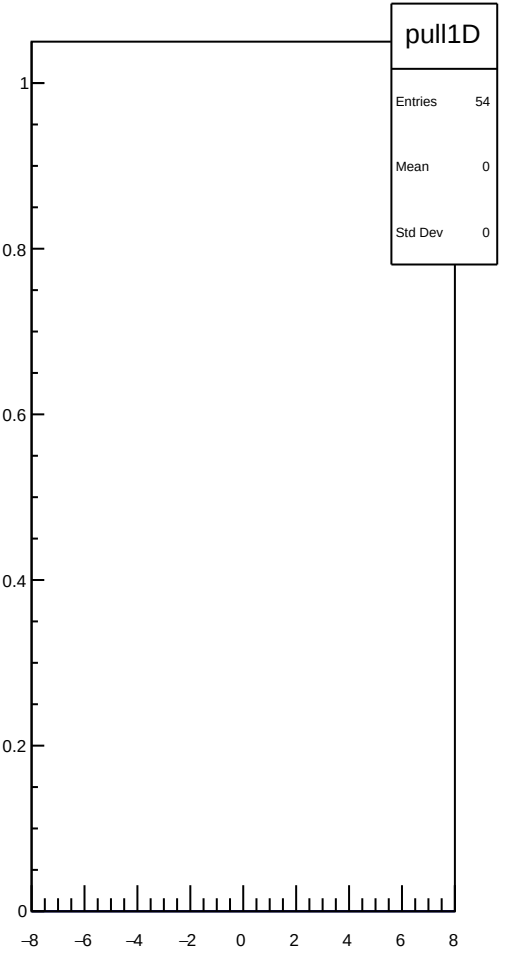

yield_bpm2i01X_rms vs run
χ² / ndf 2854 / 53
p0 0.001339 ± 1.326e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

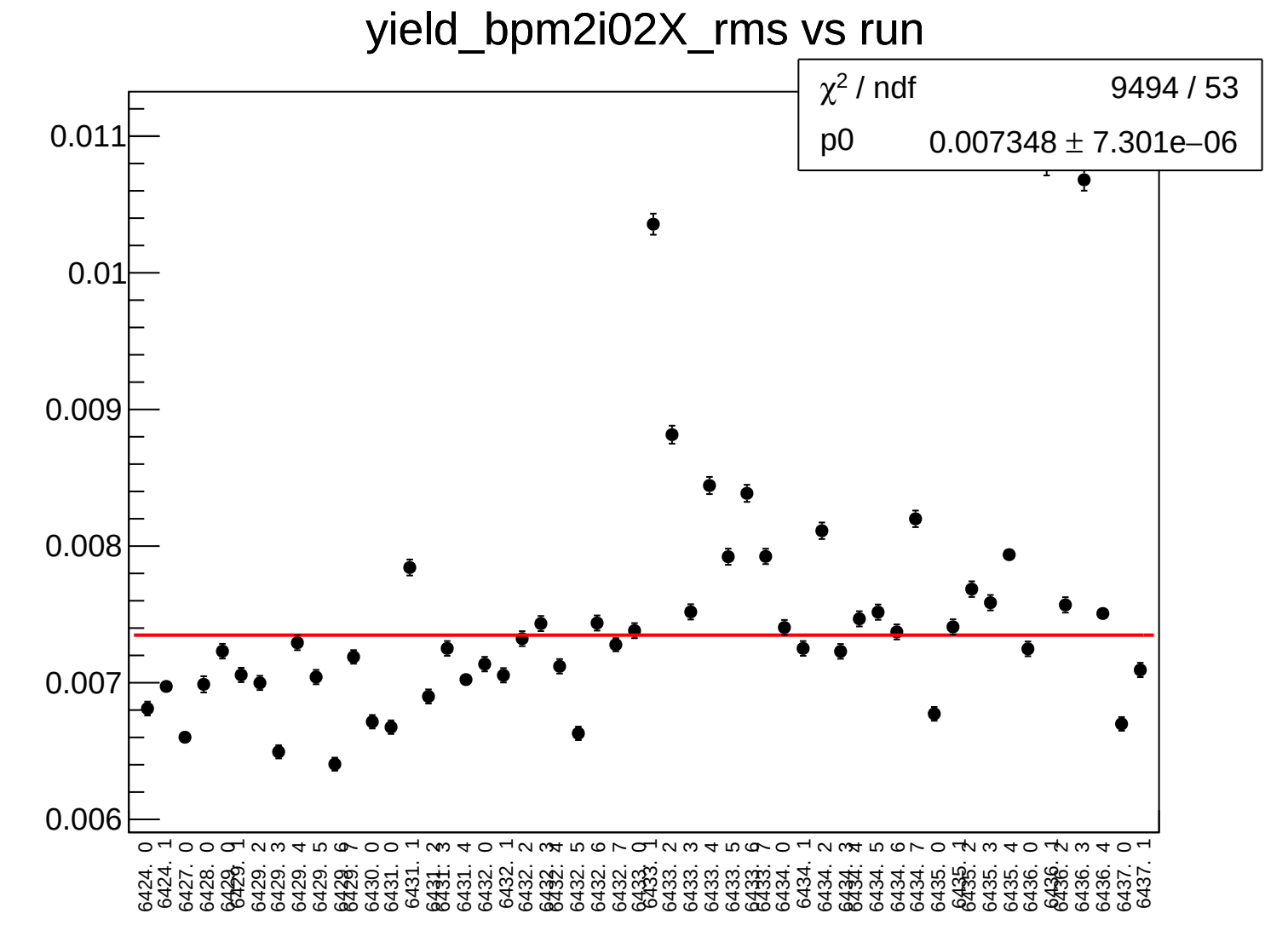

yield_bpm2i01Y_mean vs run
χ² / ndf 7.889e+06 / 53
p0 −3.545 ± 2.212e−06
−3.52
−3.525
−3.53
−3.535
−3.54
−3.545
−3.55
−3.555
pull
Entries 54
Mean 1389
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600

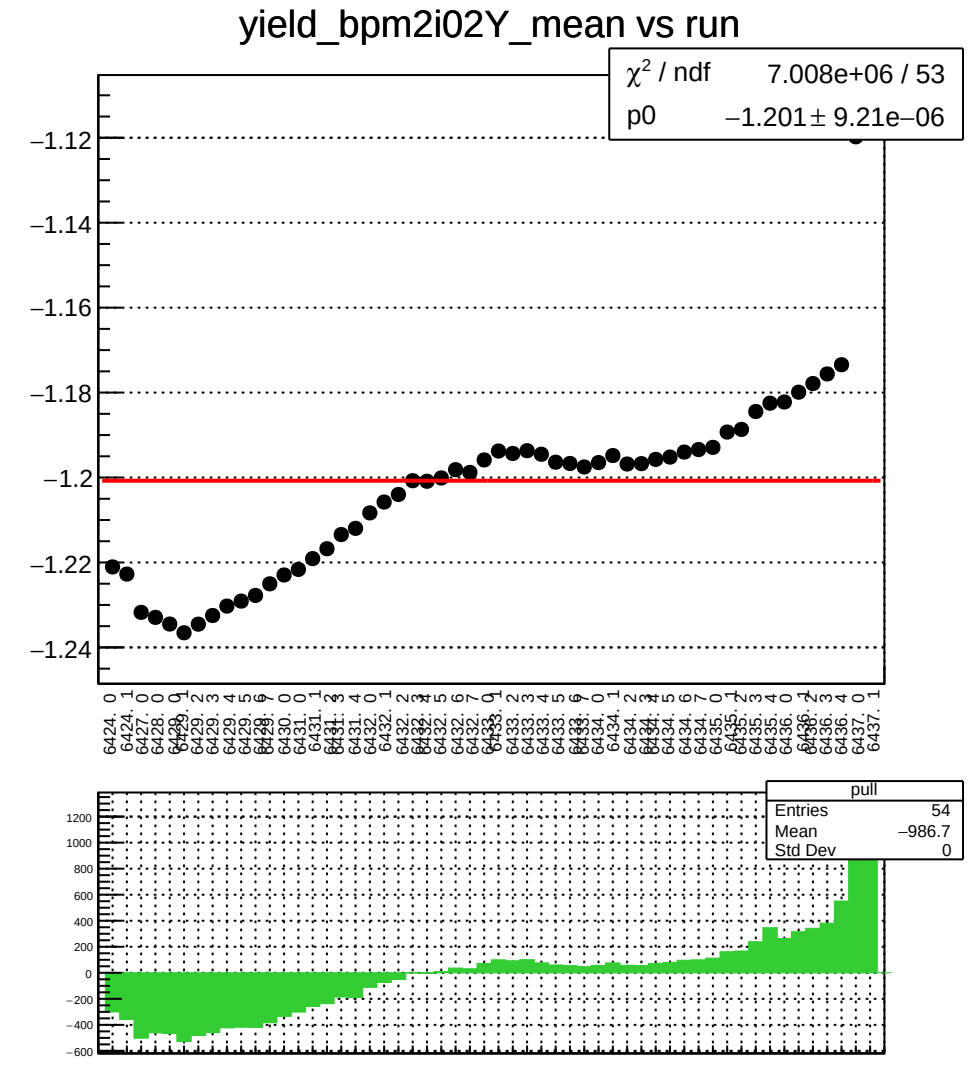

pull1D
Entries 54
Mean 0.2307
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

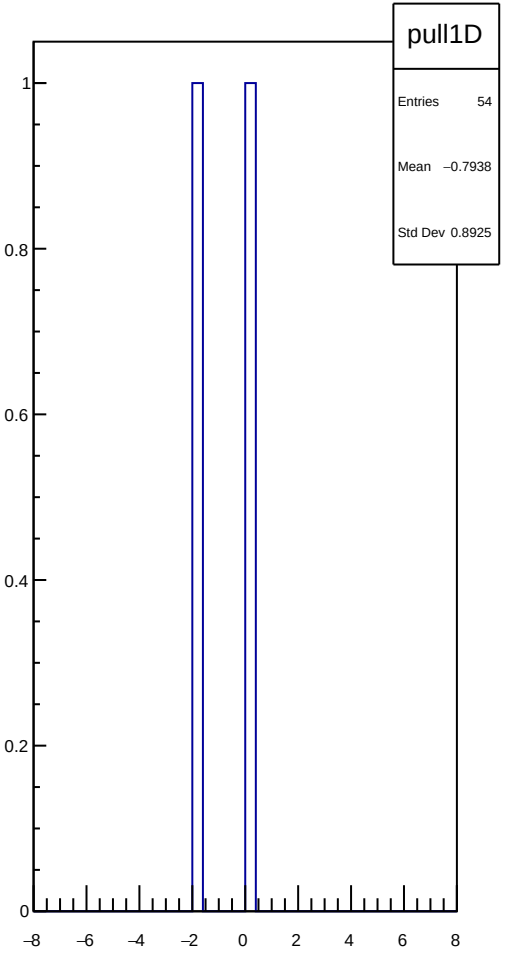

yield_bpm2i01Y_rms vs run
χ² / ndf 4.258e+04 / 53
p0 0.001548 ± 1.564e−06
0.0035
0.003
0.0025
0.002
0.0015
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

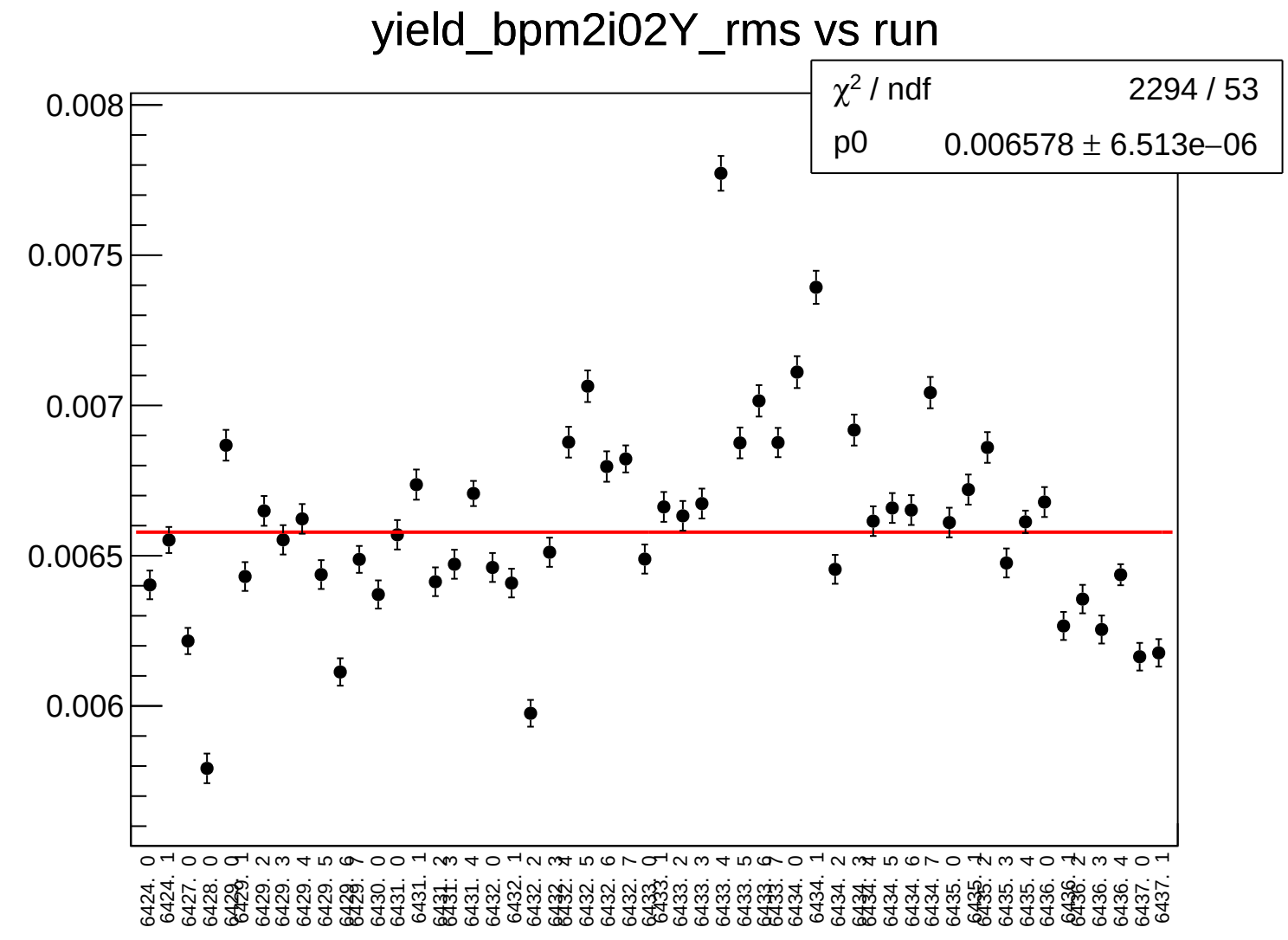

yield_bpm2i02X_mean vs run
χ² / ndf 2.017e+06 / 53
p0 0.4211 ± 1.032e−05
0.46
0.45
0.44
0.43
0.42
0.41
0.4
0.39
pull
Entries 54
Mean 599.2
Std Dev 0
400
200
0
−200
−400

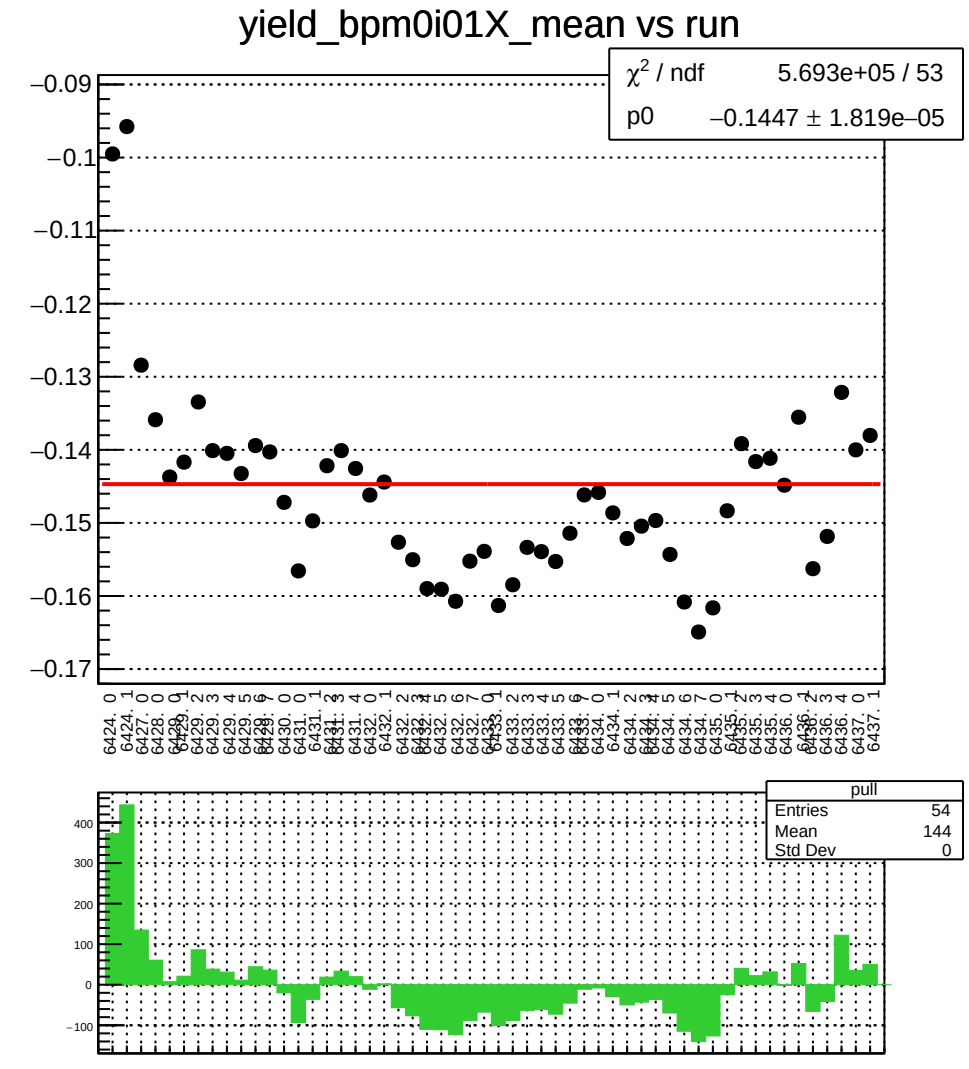

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

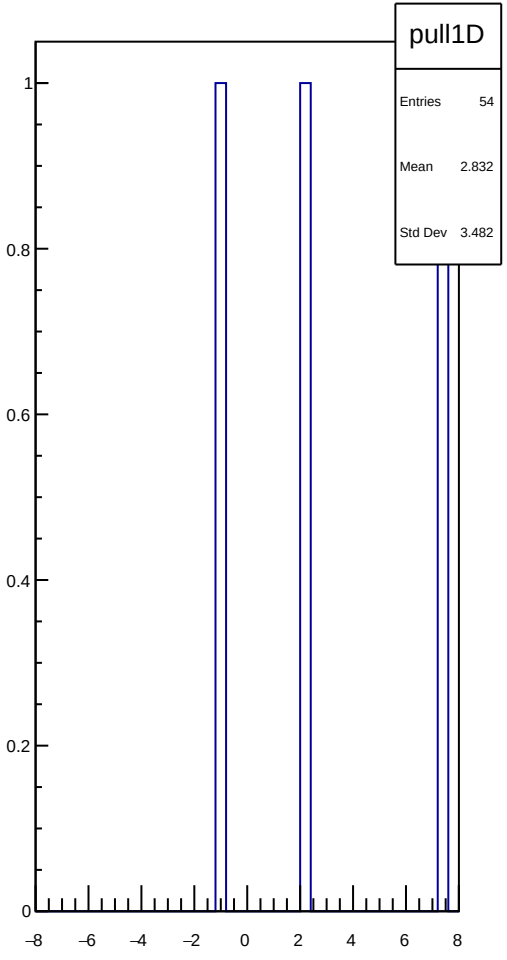

yield_bpm2i02X_rms vs run
χ^2 / ndf 9494 / 53
p0 0.007348 ± 7.301e−06
0.011
0.01
0.009
0.008
0.007
0.006
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

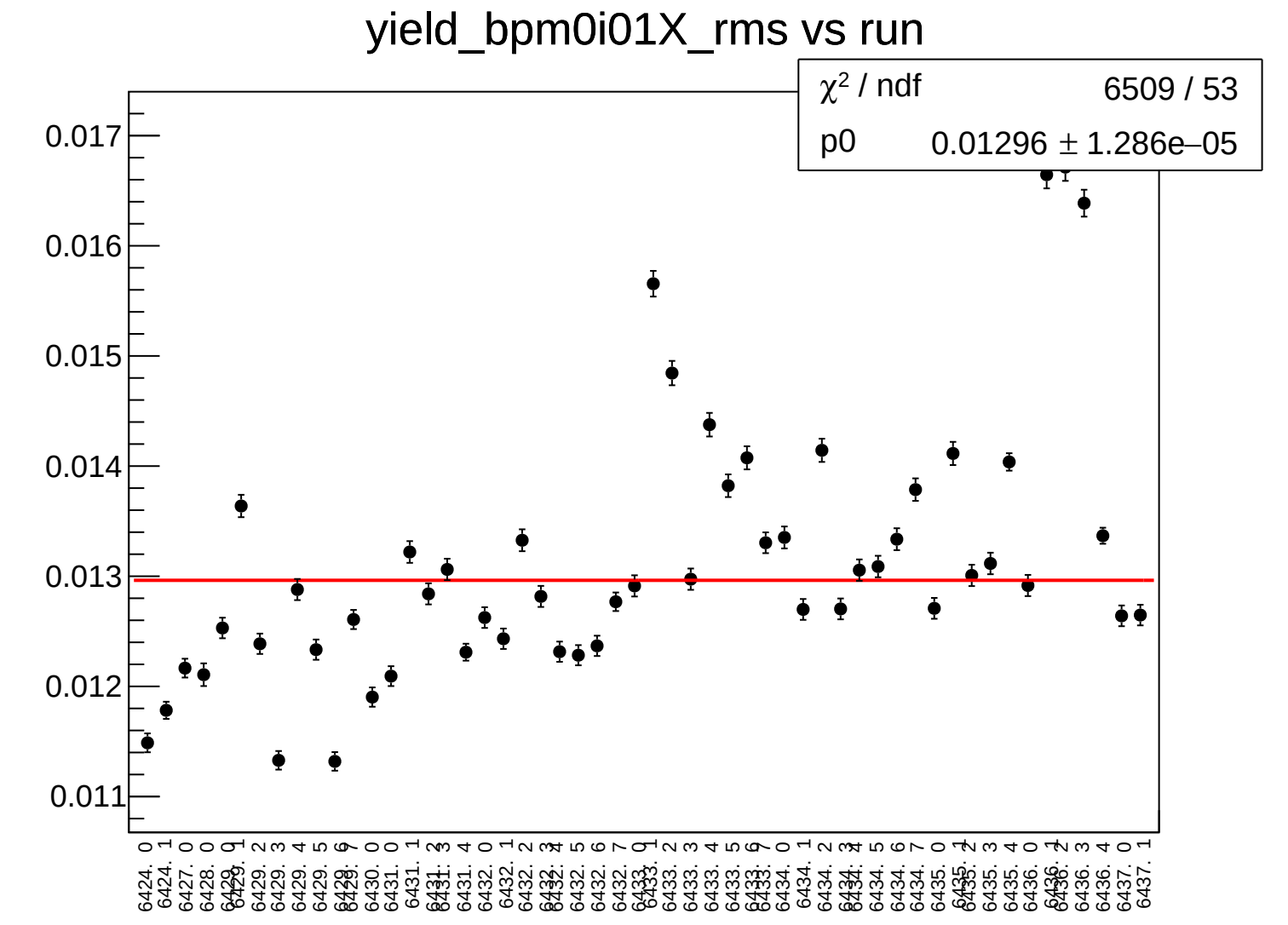

yield_bpm2i02Y_mean vs run
χ² / ndf 7.008e+06 / 53
p0 −1.201 ± 9.21e−06
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
−1.24
pull
Entries 54
Mean −986.7
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600

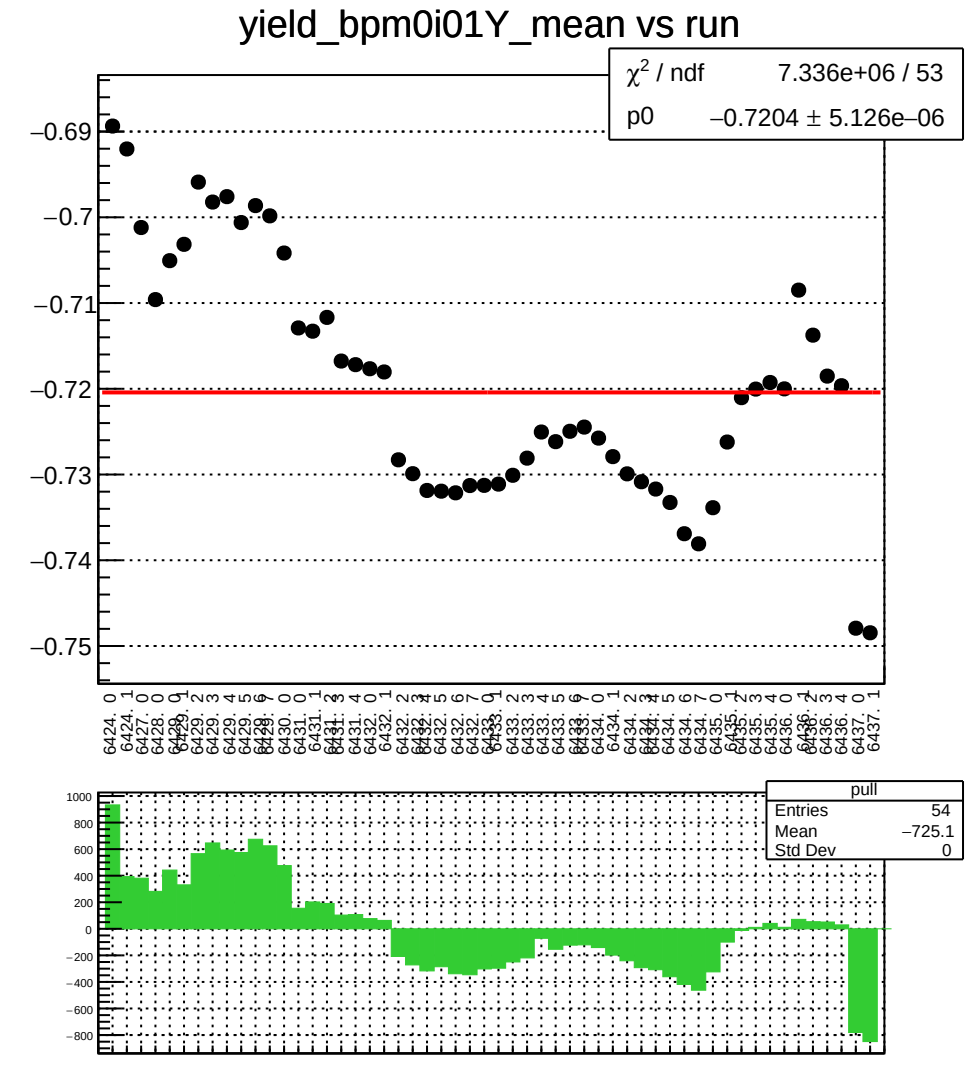

pull1D
Entries 54
Mean −0.7938
Std Dev 0.8925
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

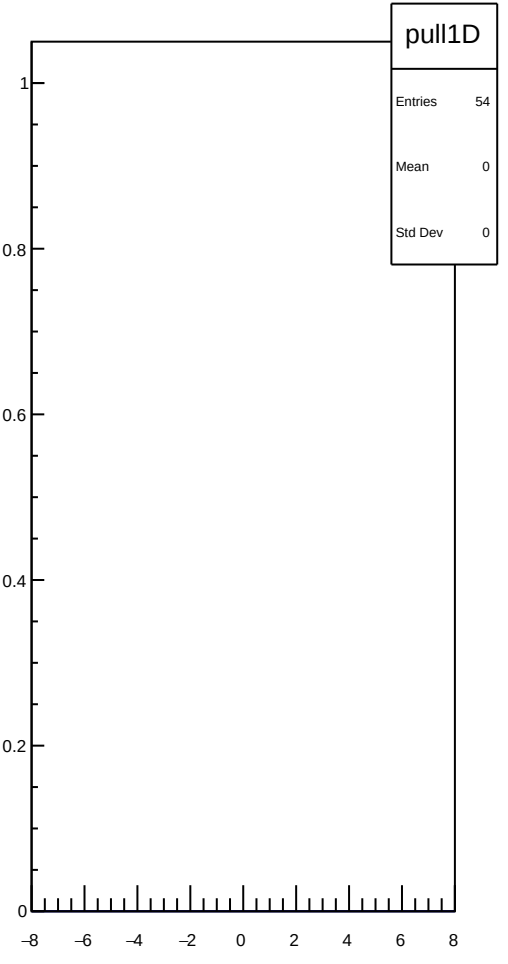

yield_bpm2i02Y_rms vs run
χ² / ndf 2294 / 53
p0 0.006578 ± 6.513e−06
0.008
0.0075
0.007
0.0065
0.006
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

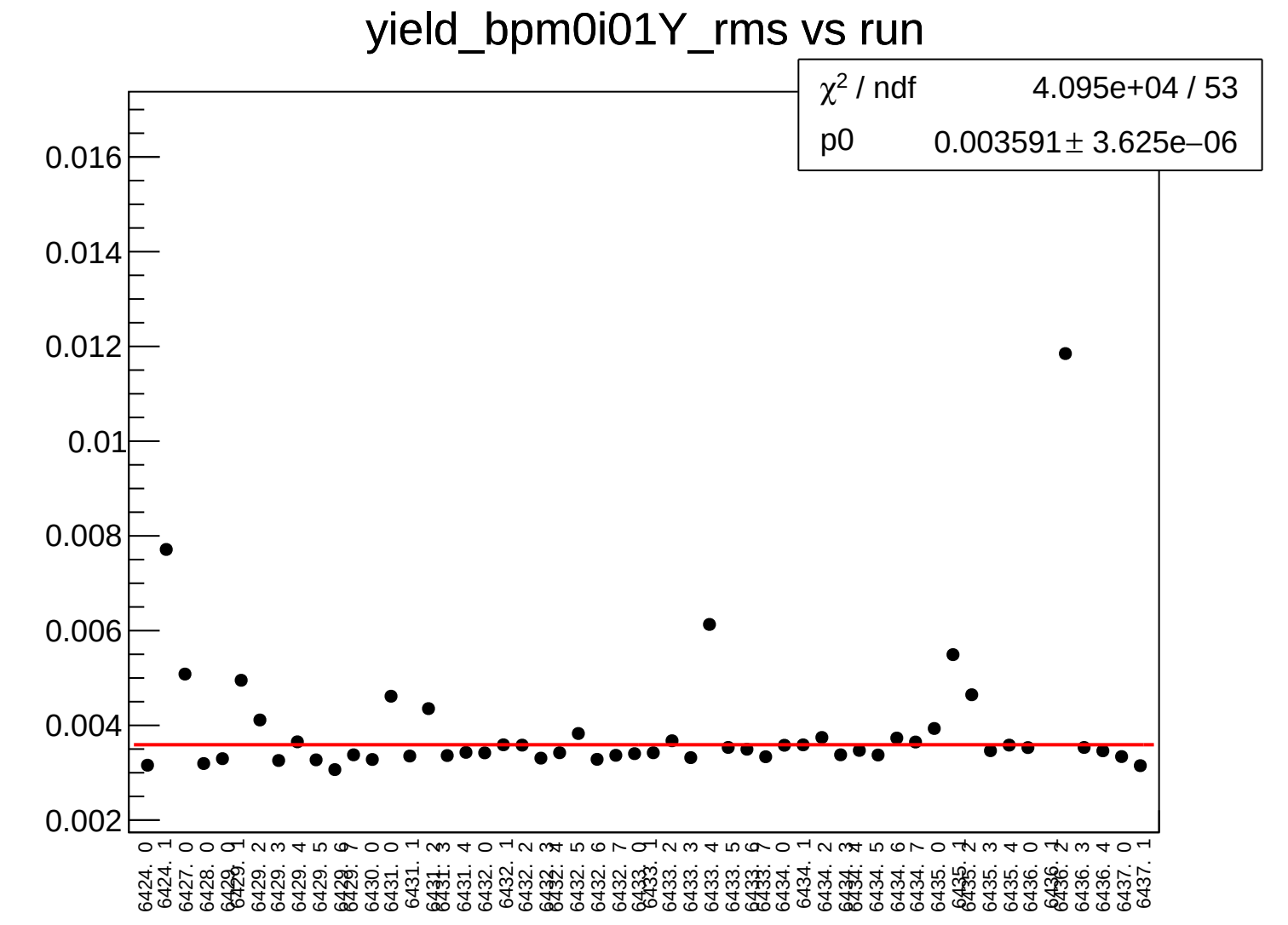

yield_bpm0i01X_mean vs run
χ² / ndf 5.693e+05 / 53
p0 −0.1447 ± 1.819e−05
pull
Entries 54
Mean 144
Std Dev 0

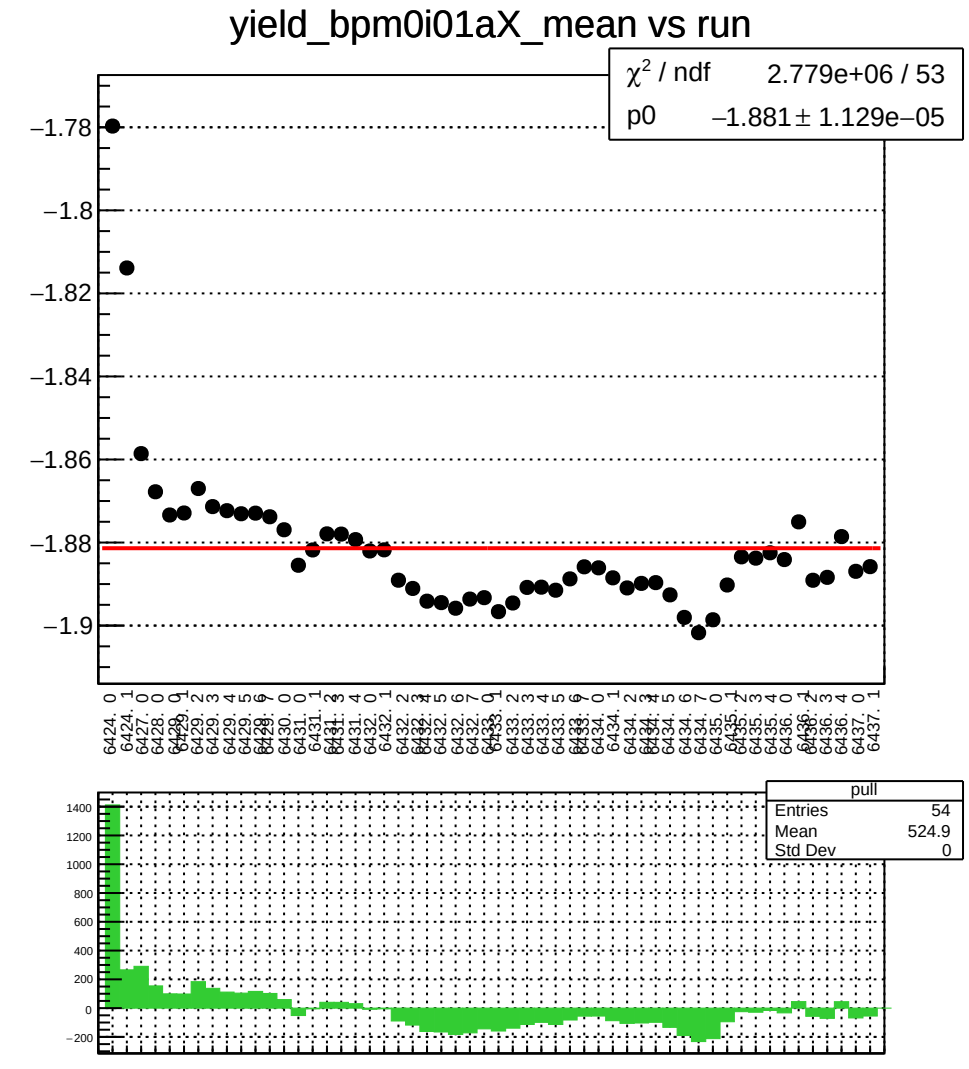

pull1D
Entries 54
Mean 2.832
Std Dev 3.482

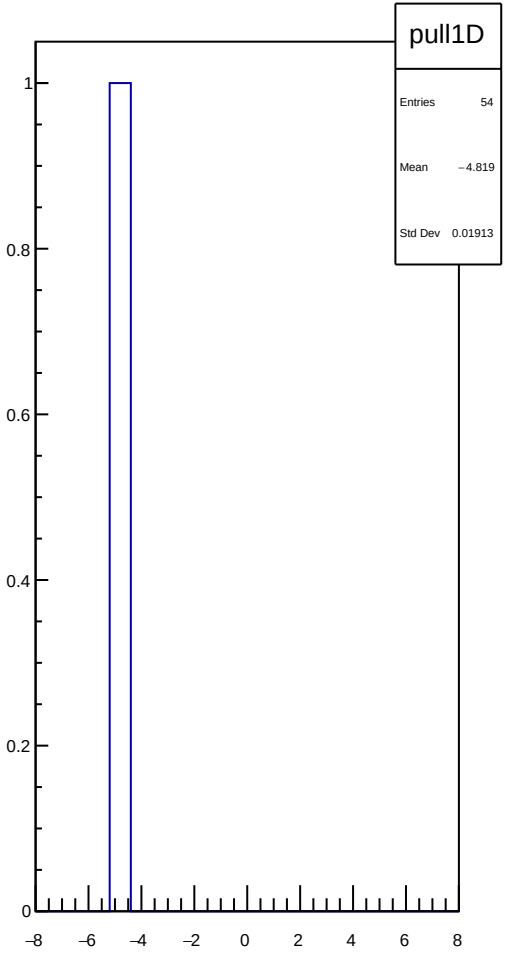

yield_bpm0i01X_rms vs run
χ² / ndf 6509 / 53
p0 0.01296 ± 1.286e–05
0.017
0.016
0.015
0.014
0.013
0.012
0.011
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

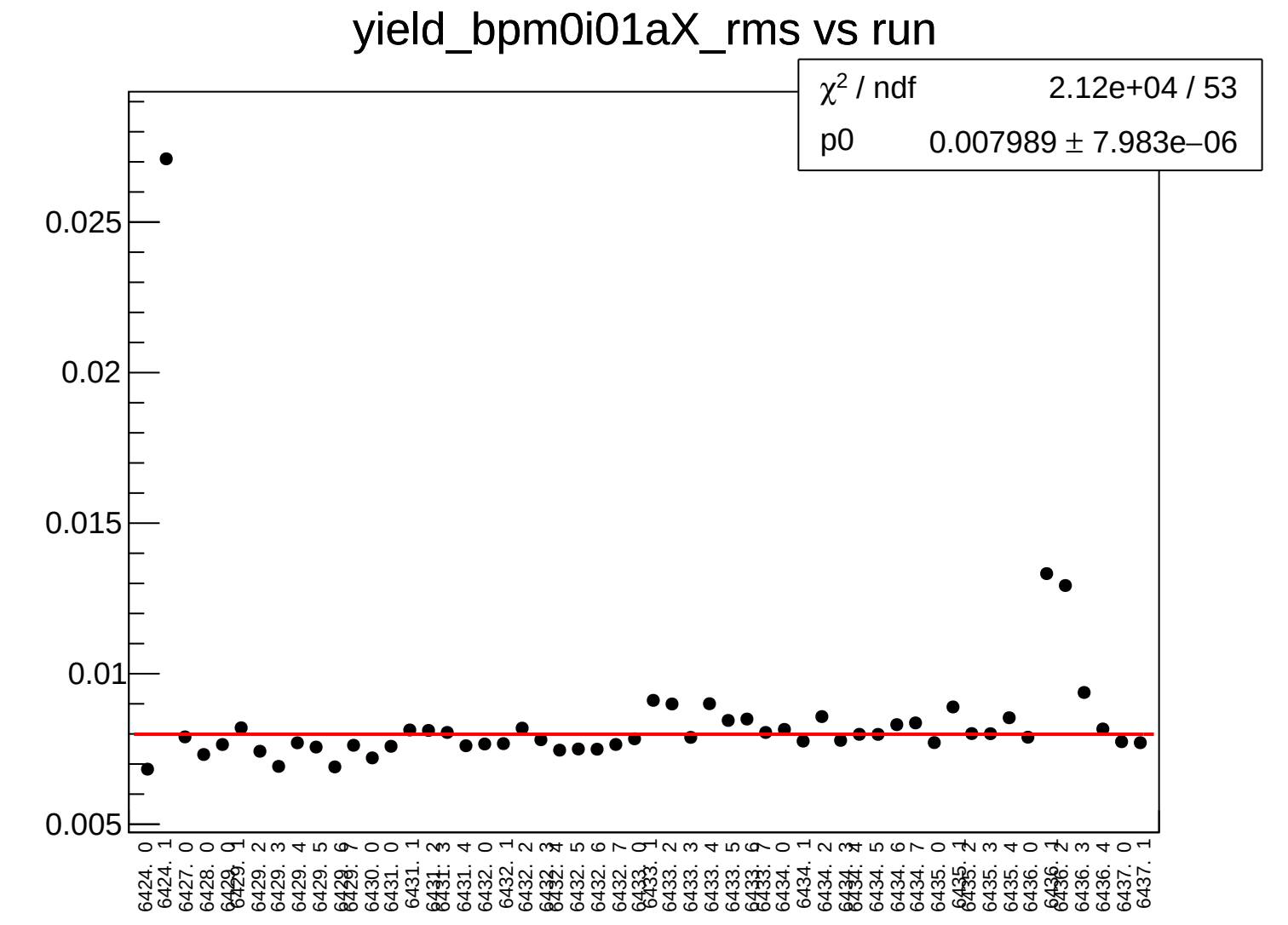

yield_bpm0i01Y_mean vs run
χ² / ndf 7.336e+06 / 53
p0 −0.7204 ± 5.126e−06
−0.69
−0.7
−0.71
−0.72
−0.73
−0.74
−0.75
pull
Entries 54
Mean −725.1
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

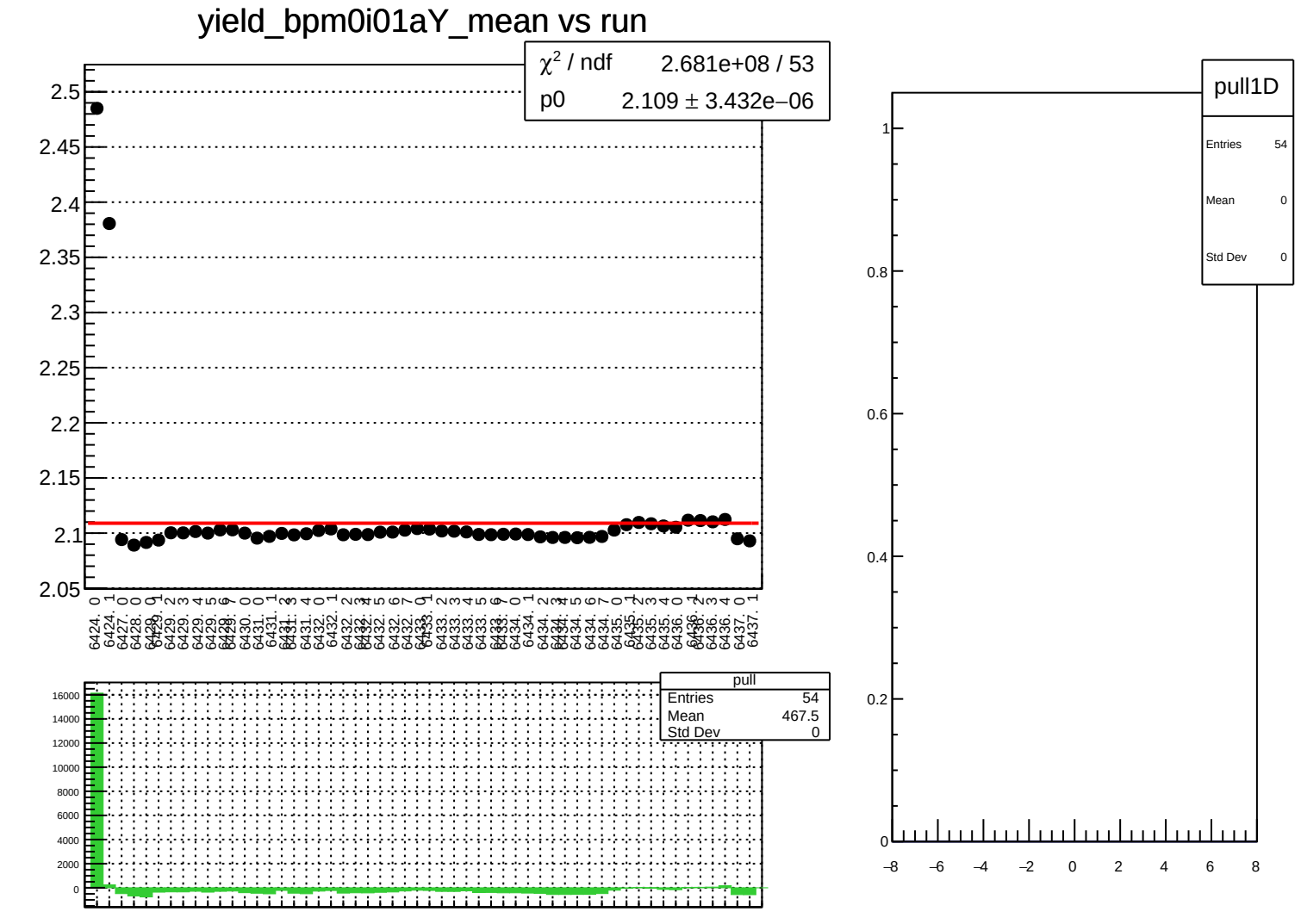

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

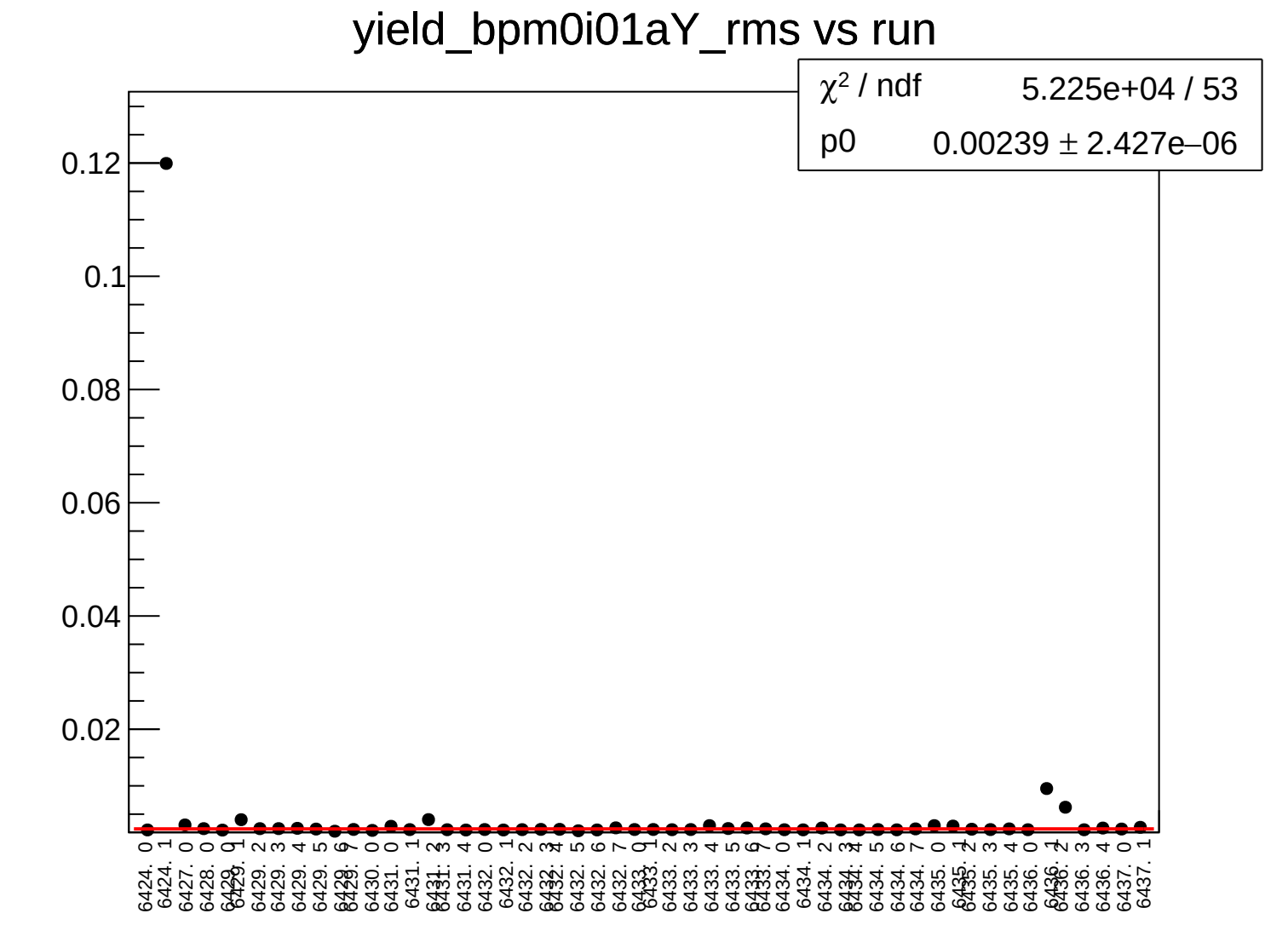

yield_bpm0i01Y_rms vs run
χ² / ndf 4.095e+04 / 53
p0 0.003591 ± 3.625e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

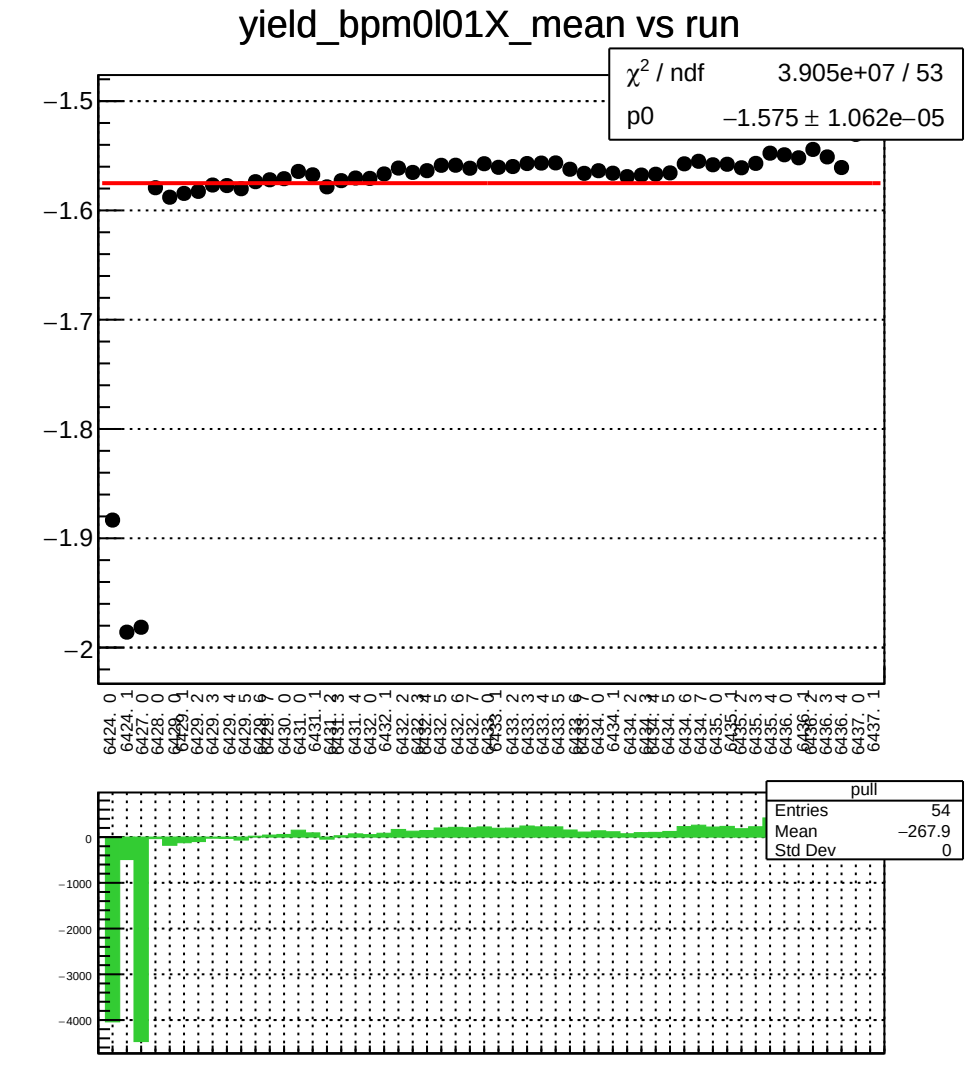

yield_bpm0i01aX_mean vs run
χ² / ndf 2.779e+06 / 53
p0 −1.881 ± 1.129e−05
−1.78
−1.8
−1.82
−1.84
−1.86
−1.88
−1.9
pull
Entries 54
Mean 524.9
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200

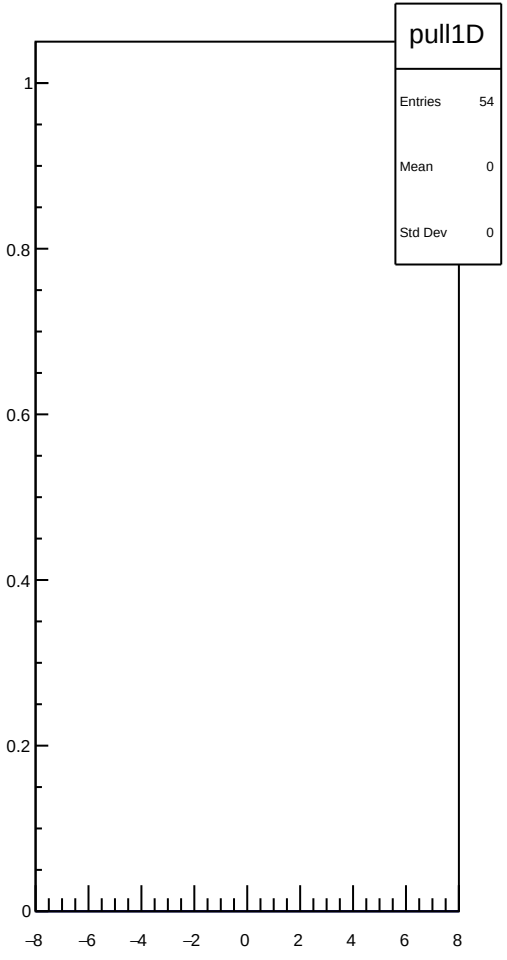

pull1D
Entries 54
Mean −4.819
Std Dev 0.01913
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

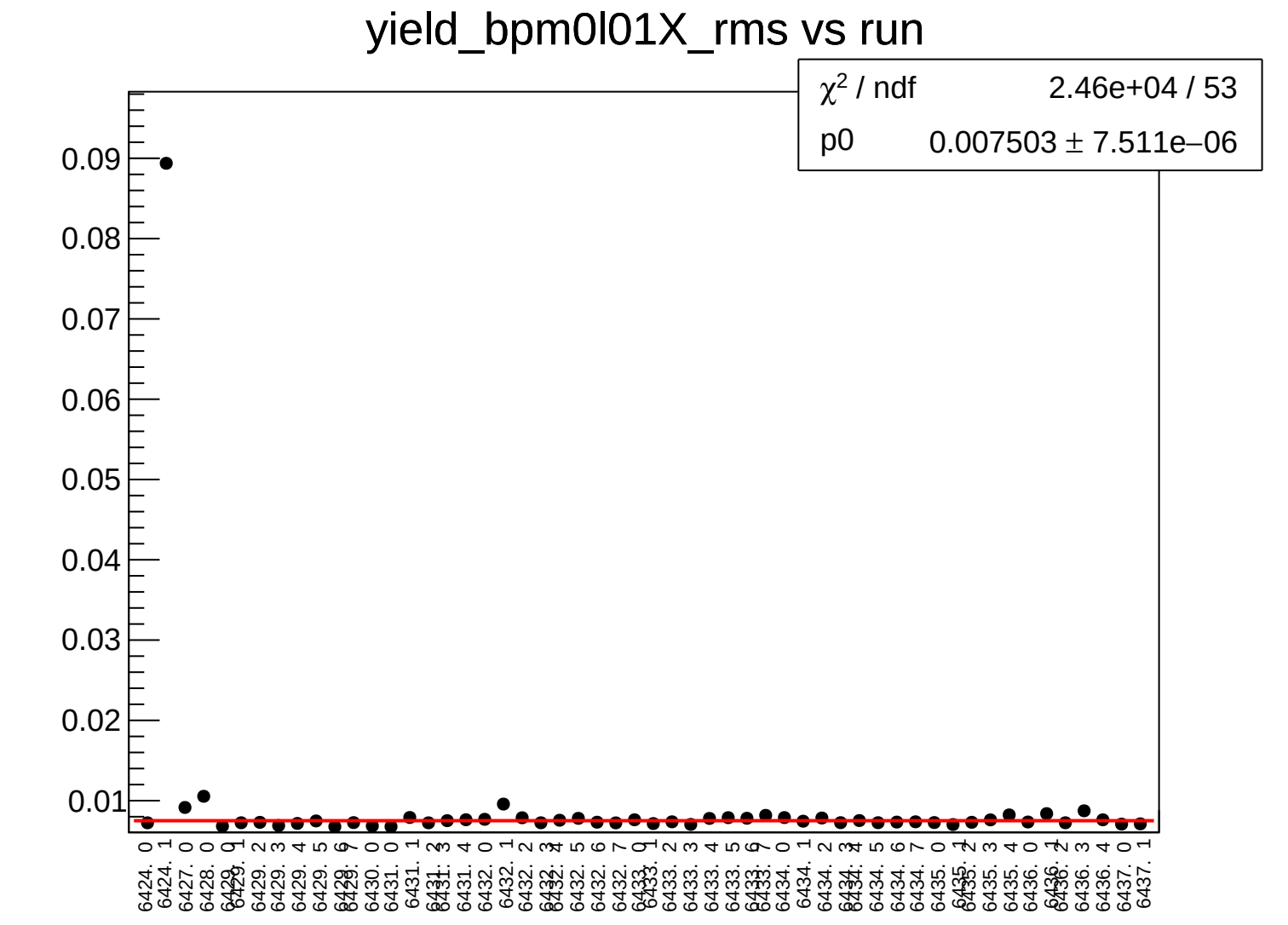

yield_bpm0i01aX_rms vs run
χ² / ndf 2.12e+04 / 53
p0 0.007989 ± 7.983e−06
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

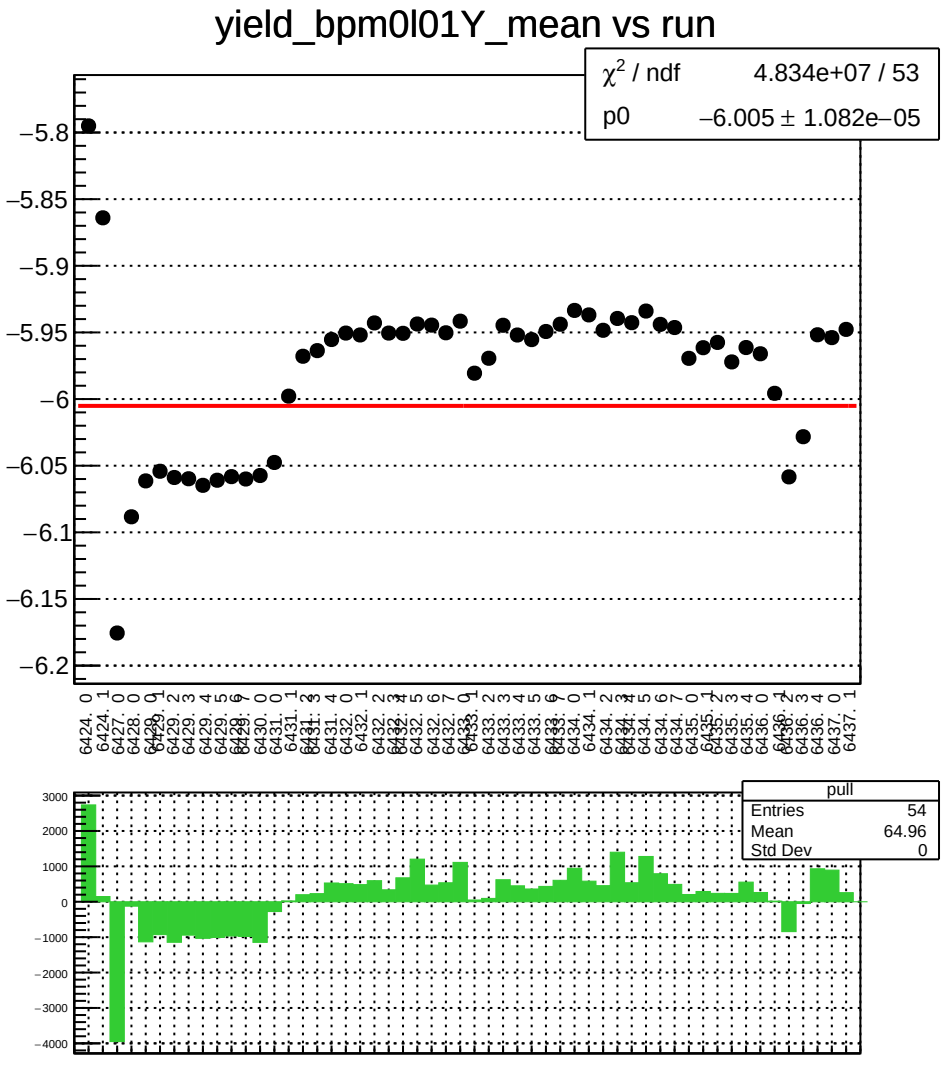

yield_bpm0i01aY_mean vs run
χ² / ndf 2.681e+08 / 53
p0 2.109 ± 3.432e−06
pull
Entries 54
Mean 467.5
Std Dev 0
pull1D
Entries 54
Mean 0
Std Dev 0

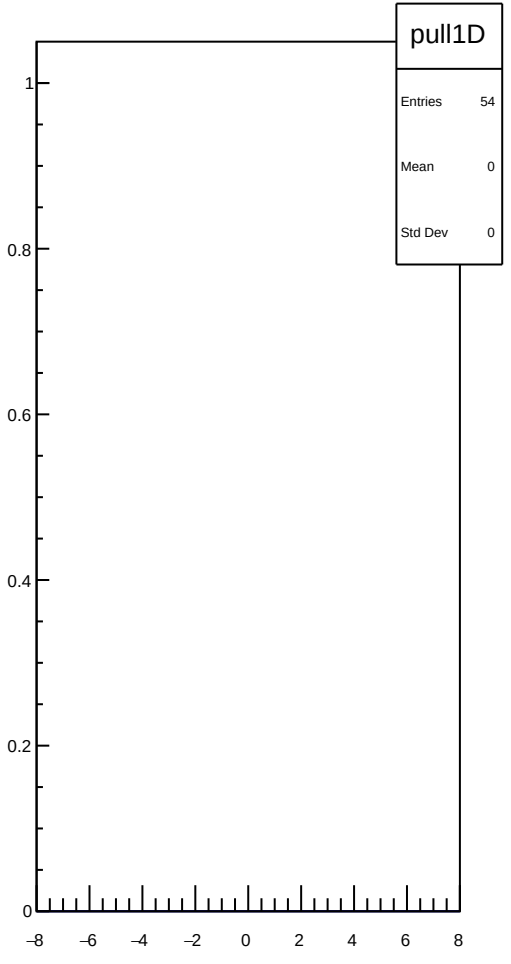

yield_bpm0i01aY_rms vs run
χ² / ndf 5.225e+04 / 53
p0 0.00239 ± 2.427e–06
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

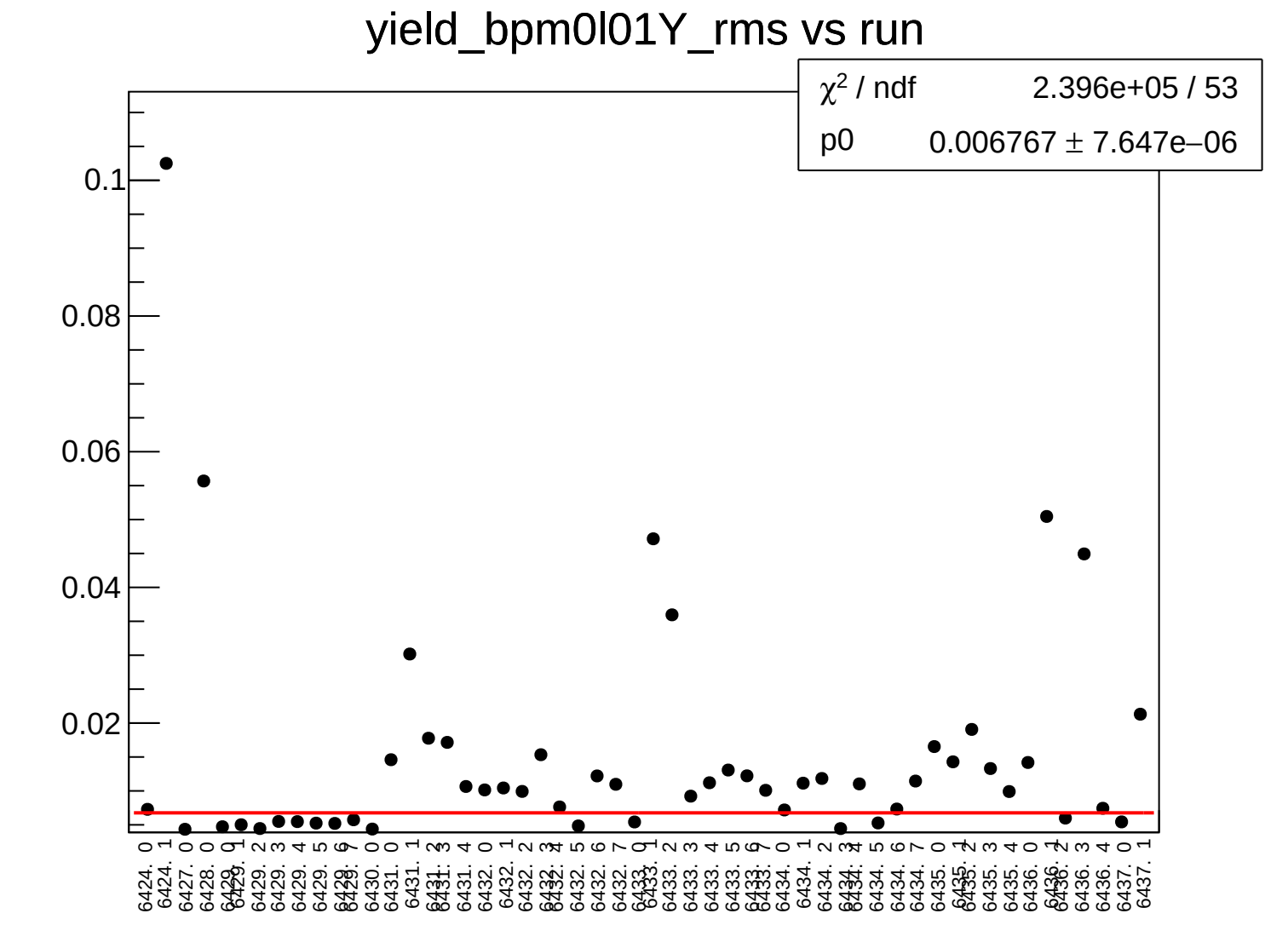

yield_bpm0l01X_mean vs run
χ² / ndf 3.905e+07 / 53
p0 −1.575 ± 1.062e−05
−1.5
−1.6
−1.7
−1.8
−1.9
−2
pull
Entries 54
Mean −267.9
Std Dev 0
0
−1000
−2000
−3000
−4000

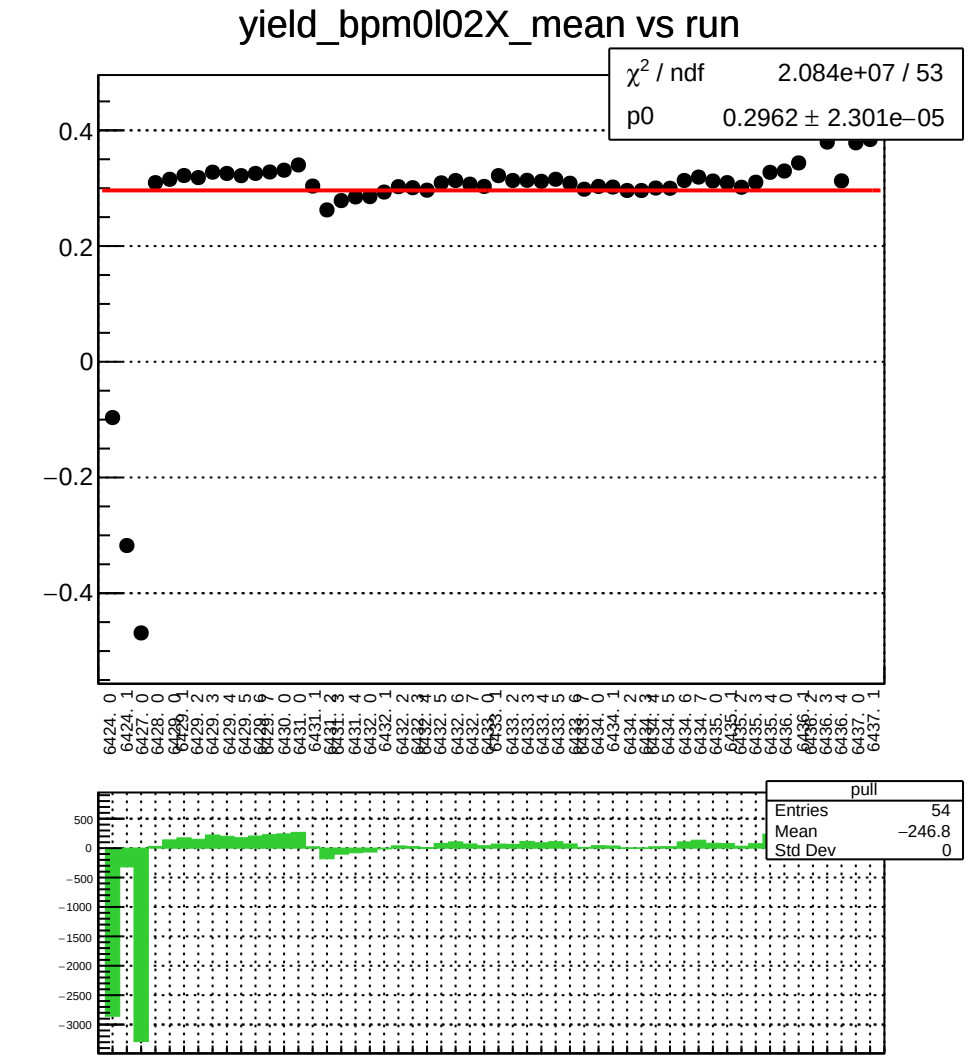

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

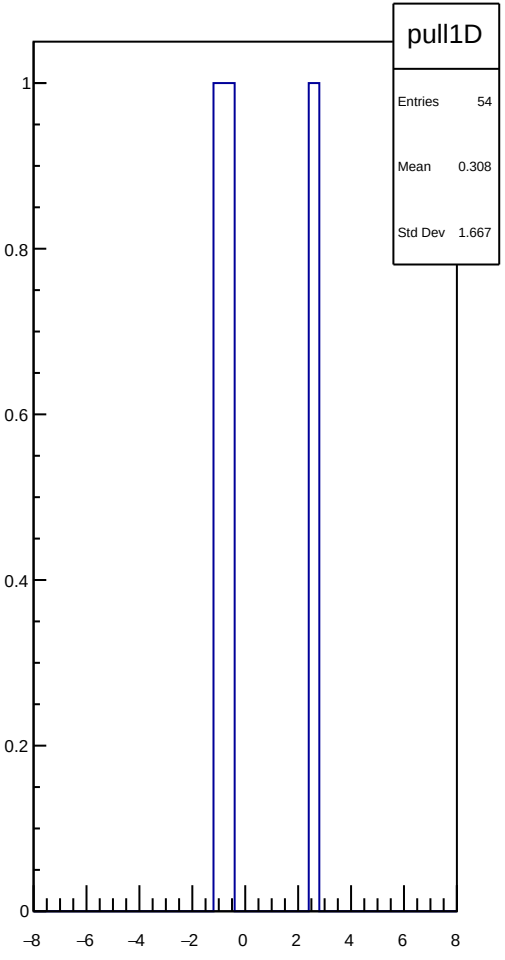

yield_bpm0l01X_rms vs run
χ² / ndf 2.46e+04 / 53
p0 0.007503 ± 7.511e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

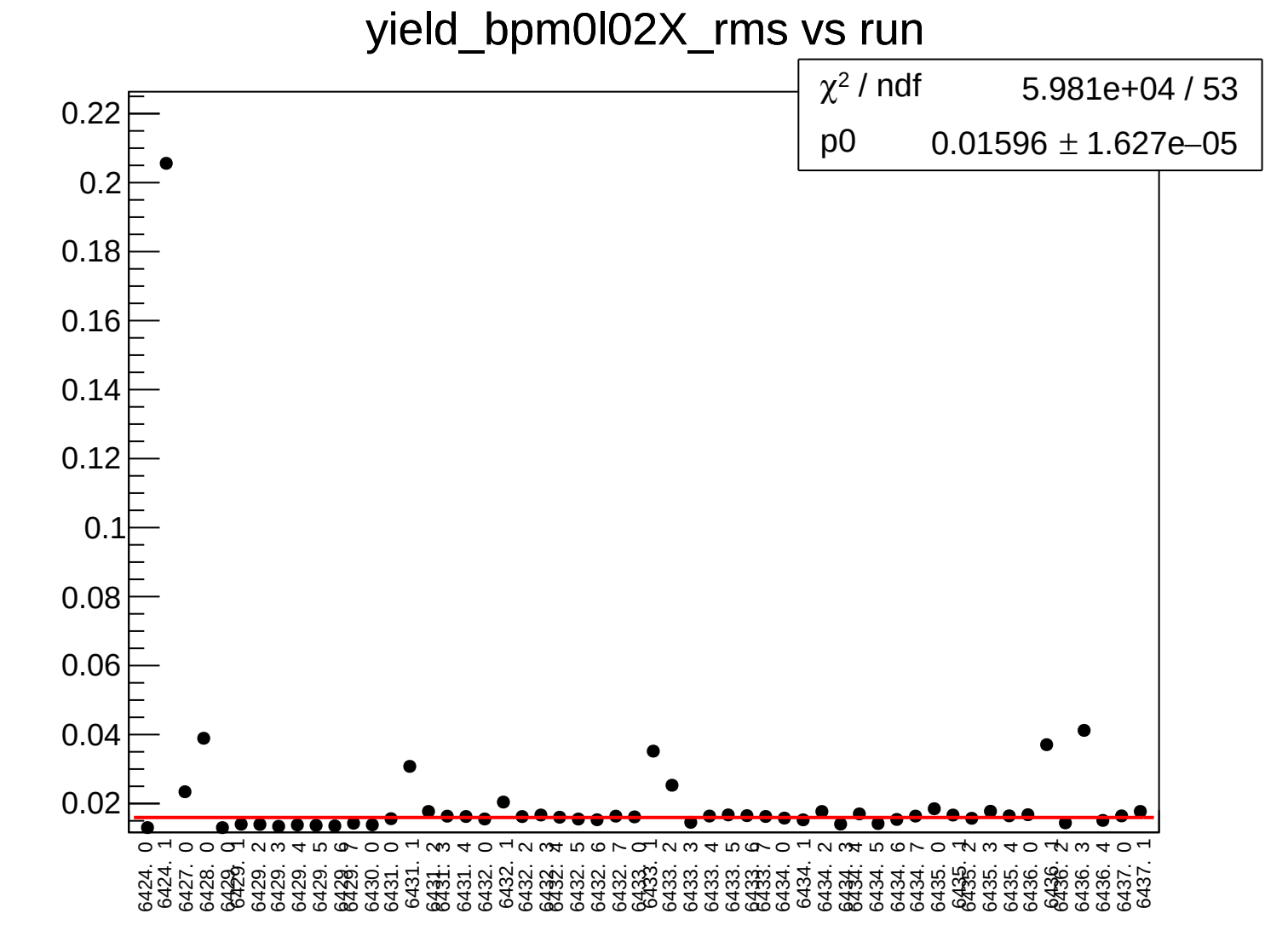

yield_bpm0l01Y_mean vs run
χ² / ndf 4.834e+07 / 53
p0 −6.005 ± 1.082e−05
pull
Entries 54
Mean 64.96
Std Dev 0

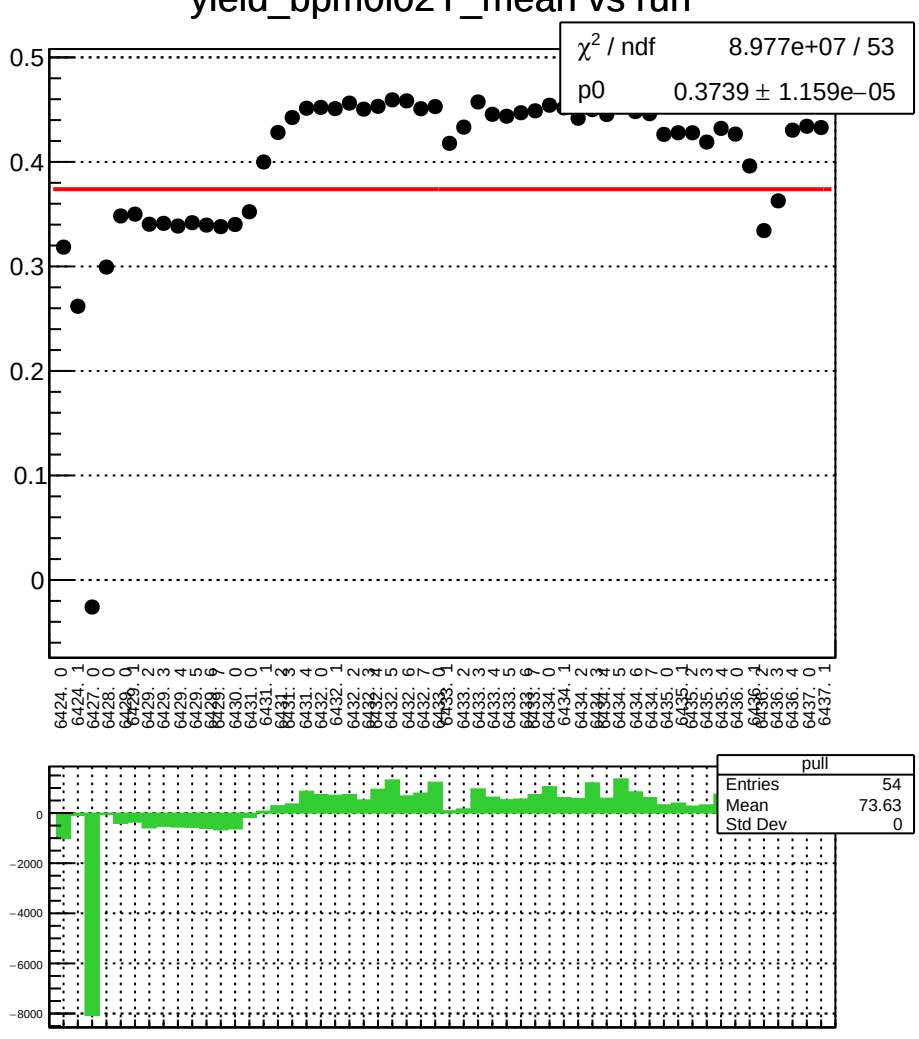

pull1D
Entries 54
Mean 0
Std Dev 0

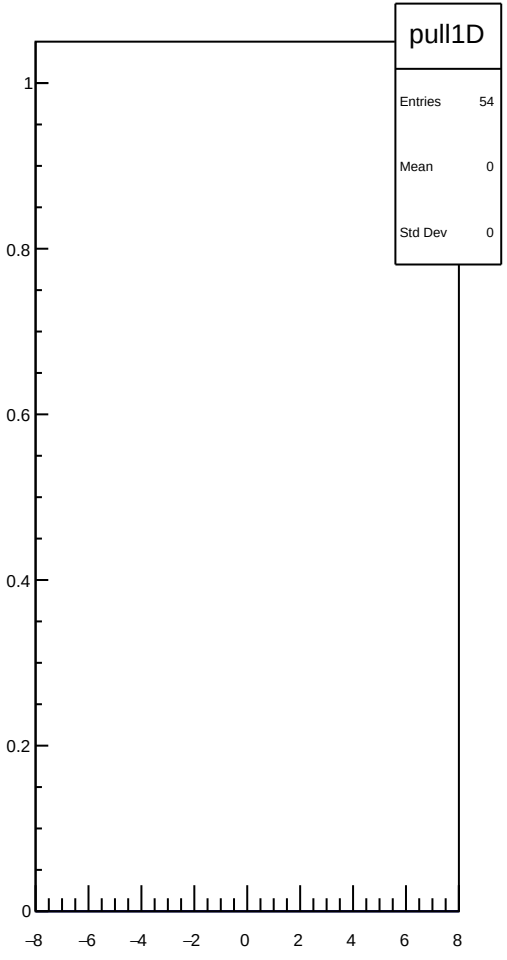

yield_bpm0l01Y_rms vs run
χ² / ndf 2.396e+05 / 53
p0 0.006767 ± 7.647e−06
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

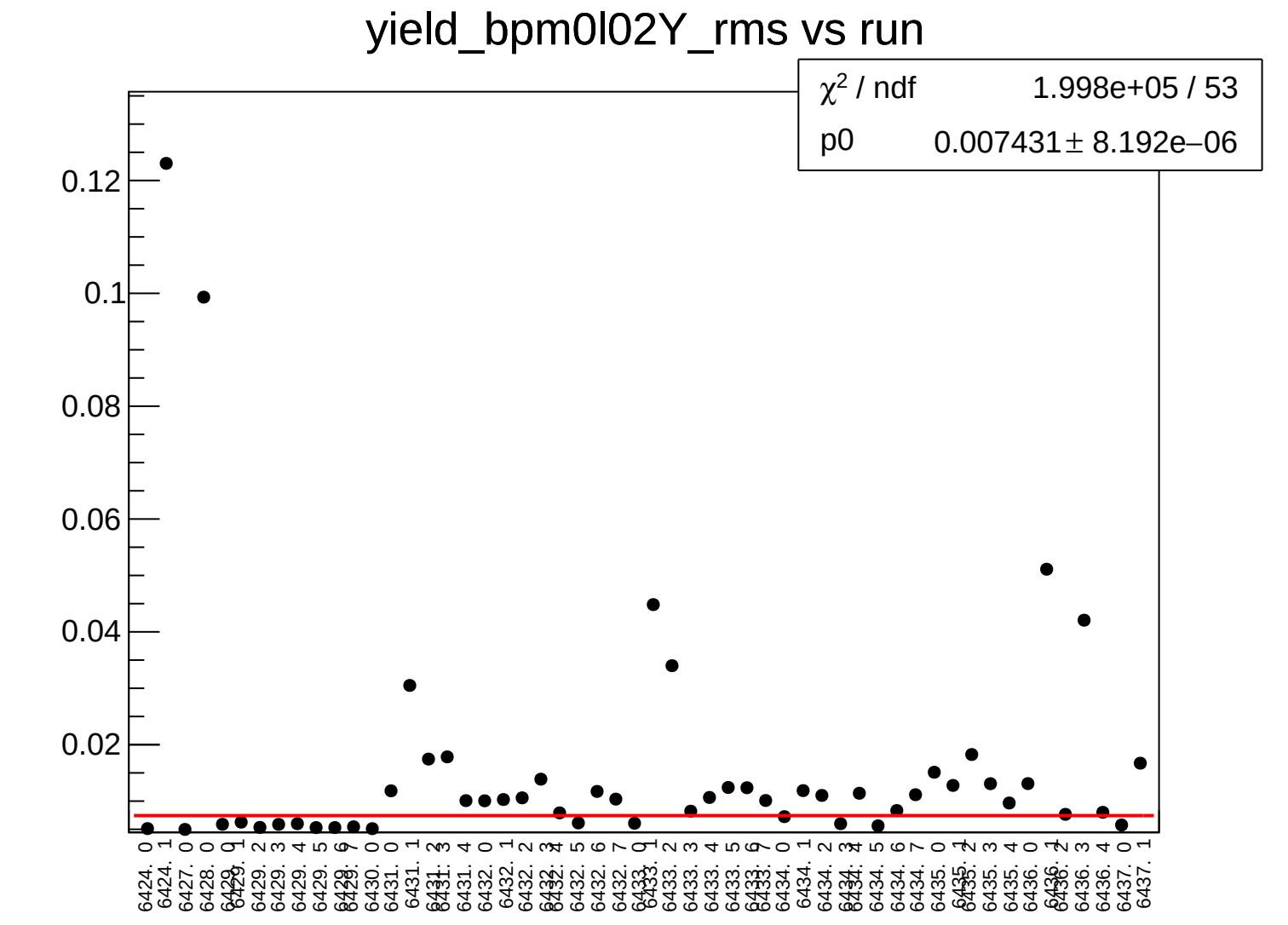

yield_bpm0l02X_mean vs run
χ² / ndf 2.084e+07 / 53
p0 0.2962 ± 2.301e−05
pull
Entries 54
Mean −246.8
Std Dev 0

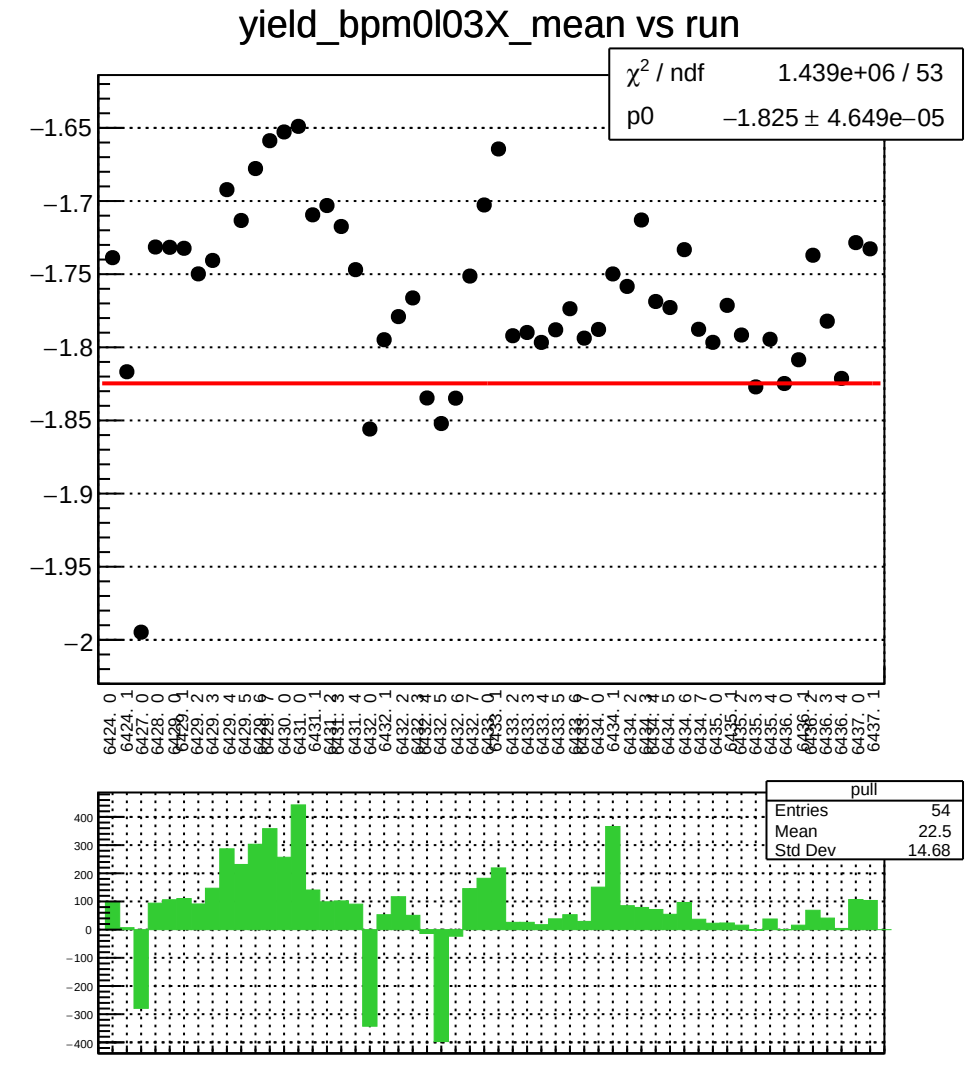

pull1D
Entries 54
Mean 0.308
Std Dev 1.667

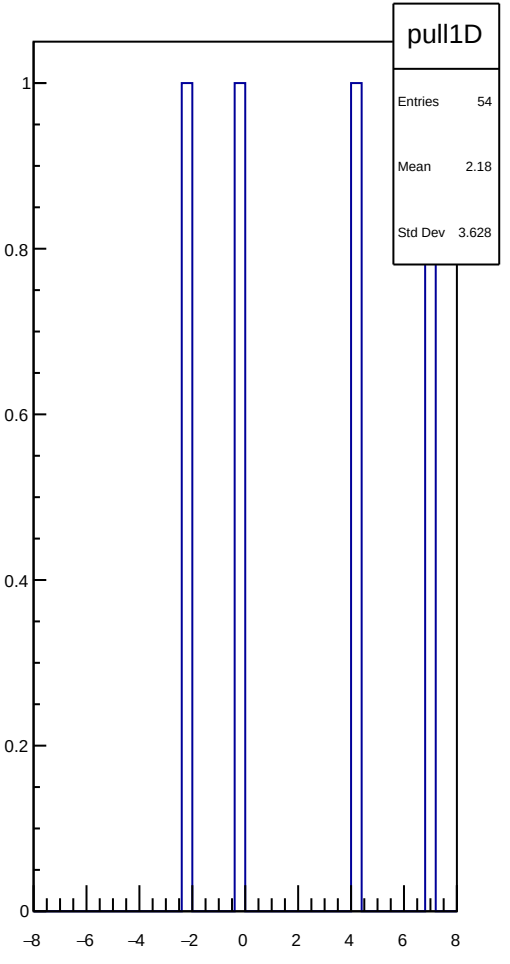

yield_bpm0l02X_rms vs run
χ² / ndf 5.981e+04 / 53
p0 0.01596 ± 1.627e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

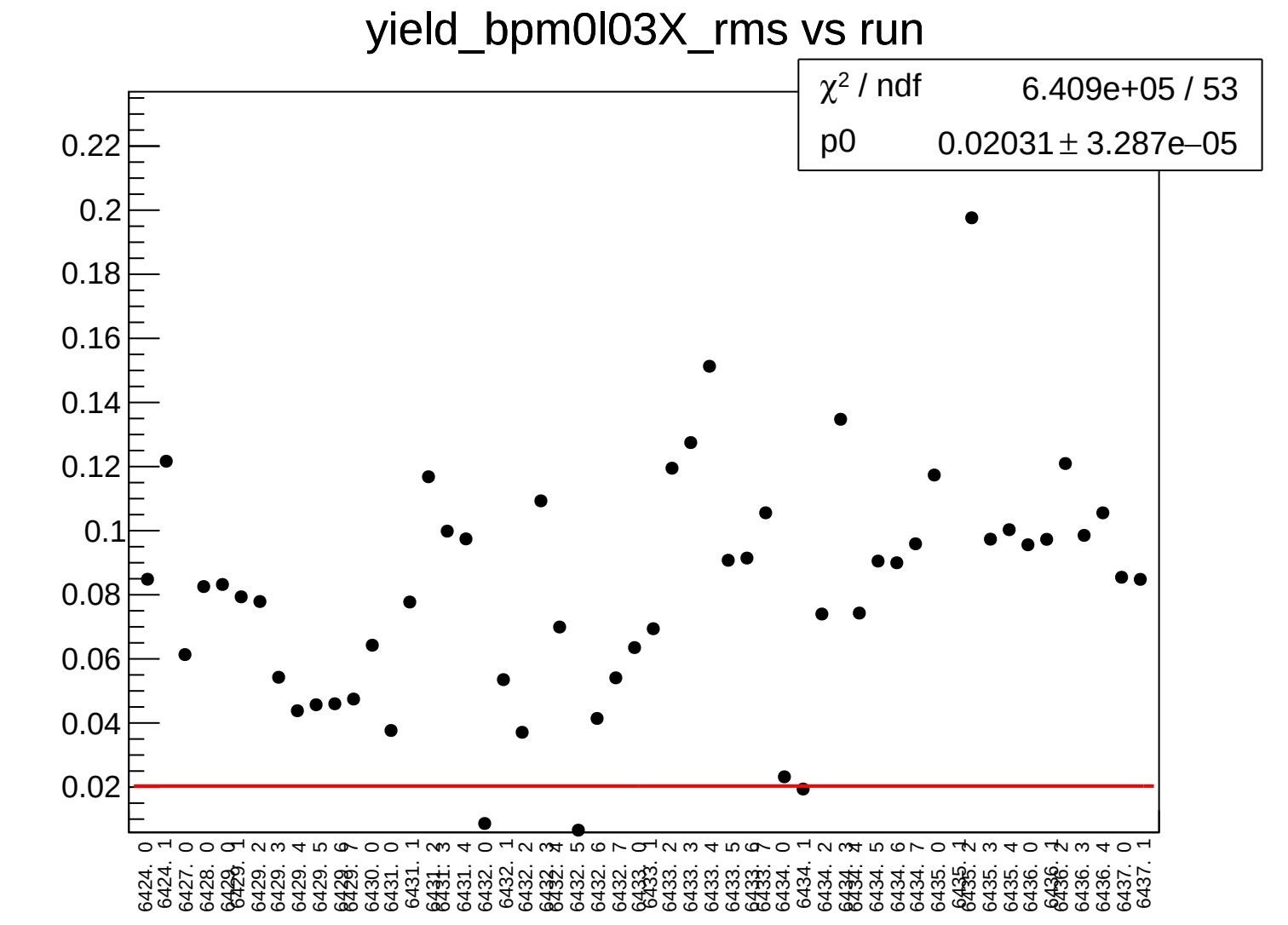

yield_bpm0l02Y_mean vs run
χ² / ndf 8.977e+07 / 53
p0 0.3739 ± 1.159e−05
pull
Entries 54
Mean 73.63
Std Dev 0

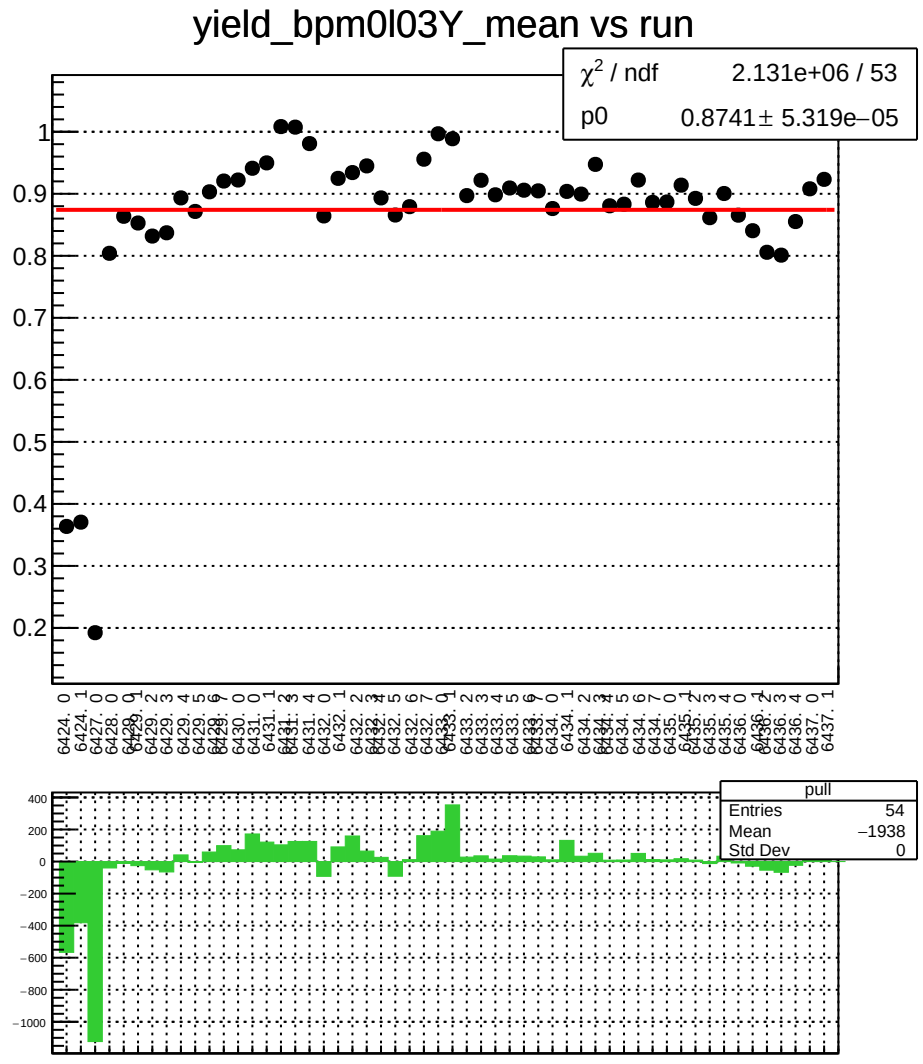

pull1D
Entries 54
Mean 0
Std Dev 0

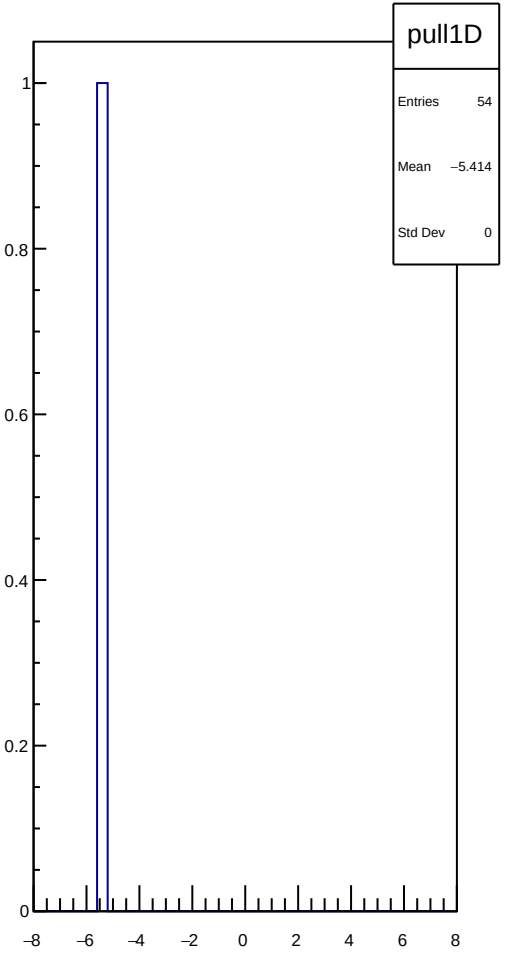

yield_bpm0l02Y_rms vs run
χ² / ndf 1.998e+05 / 53
p0 0.007431 ± 8.192e−06
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

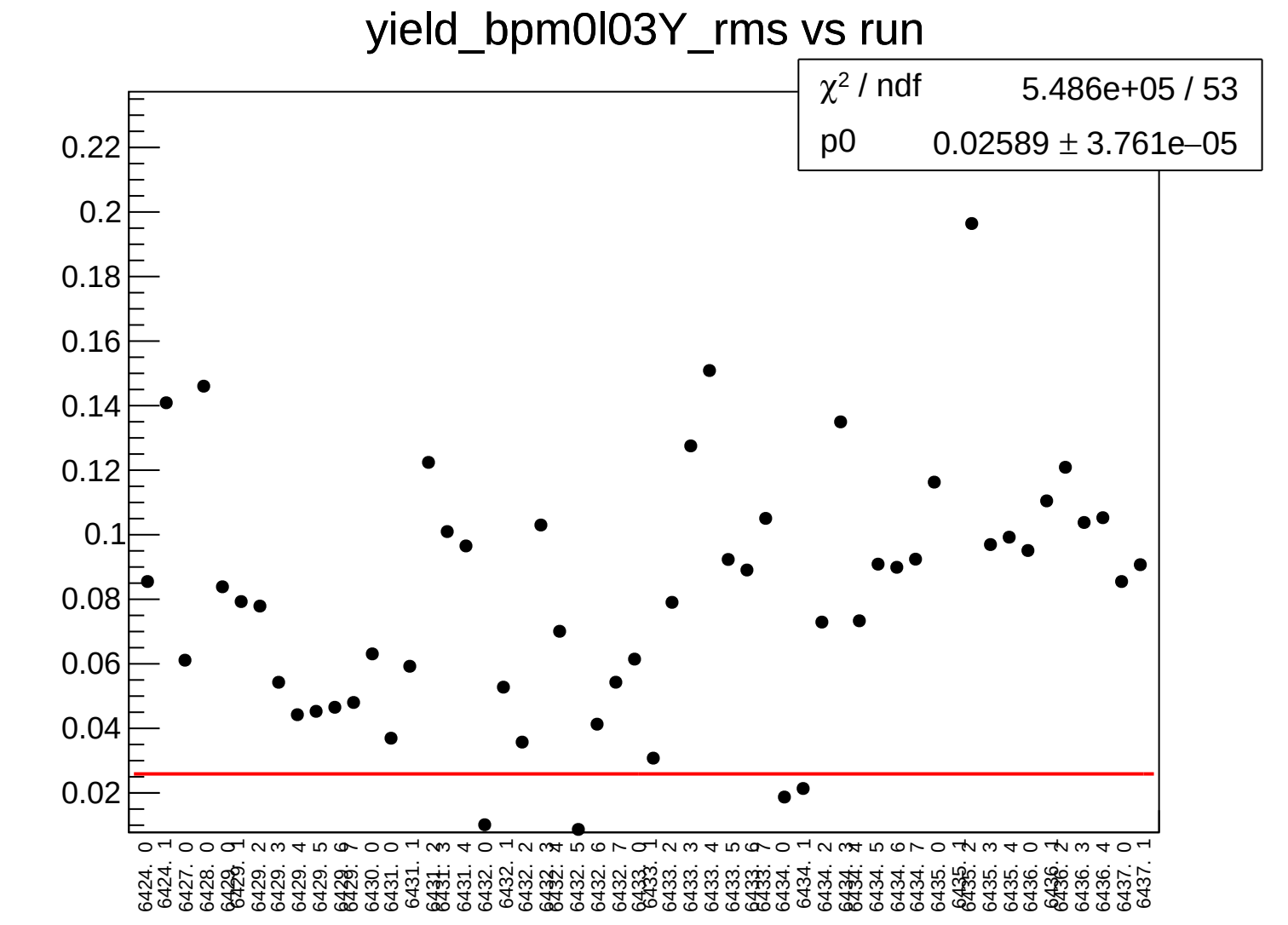

yield_bpm0l03X_mean vs run
χ² / ndf 1.439e+06 / 53
p0 −1.825 ± 4.649e−05
pull
Entries 54
Mean 22.5
Std Dev 14.68

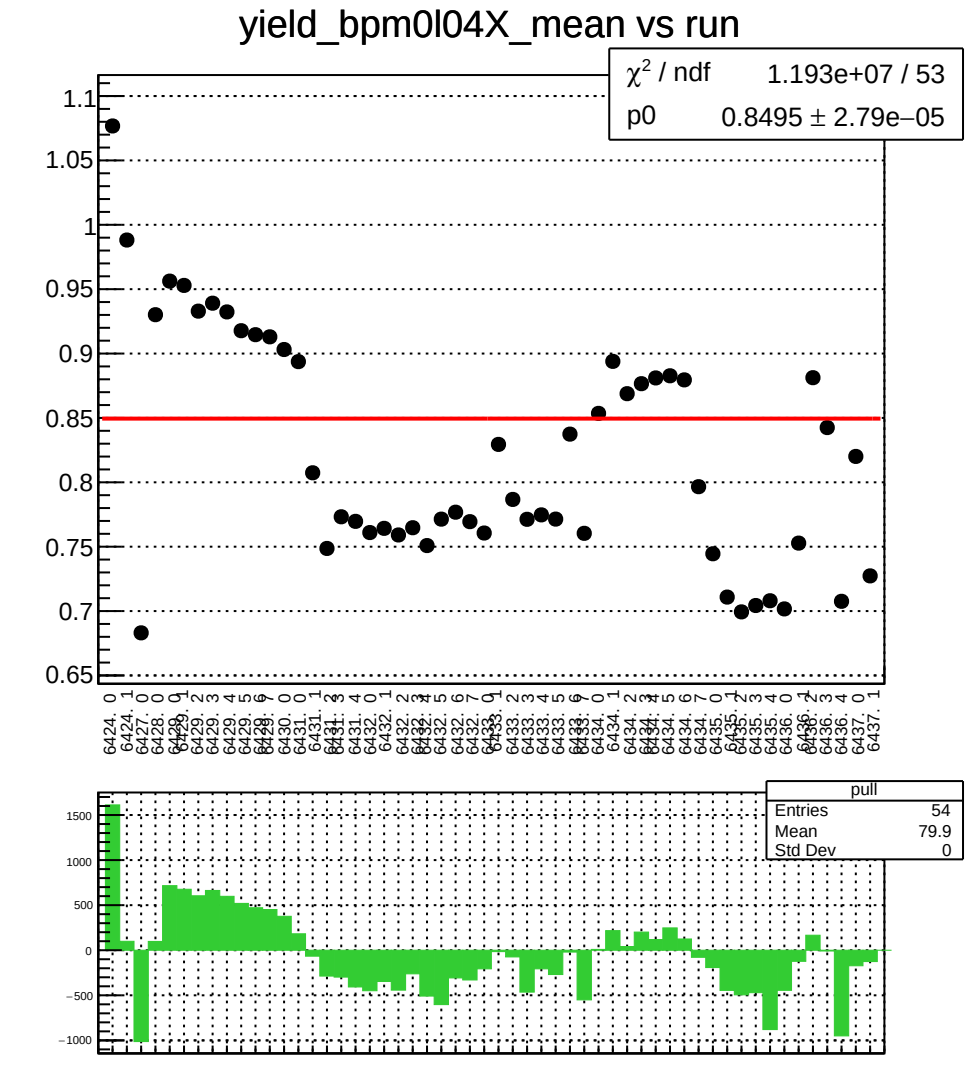

pull1D
Entries 54
Mean 2.18
Std Dev 3.628

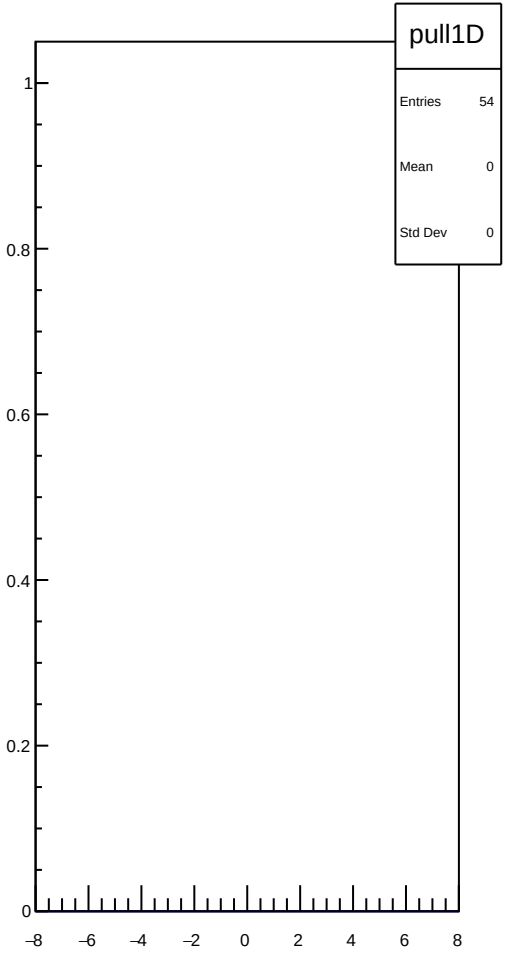

yield_bpm0l03X_rms vs run
χ² / ndf 6.409e+05 / 53
p0 0.02031 ± 3.287e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

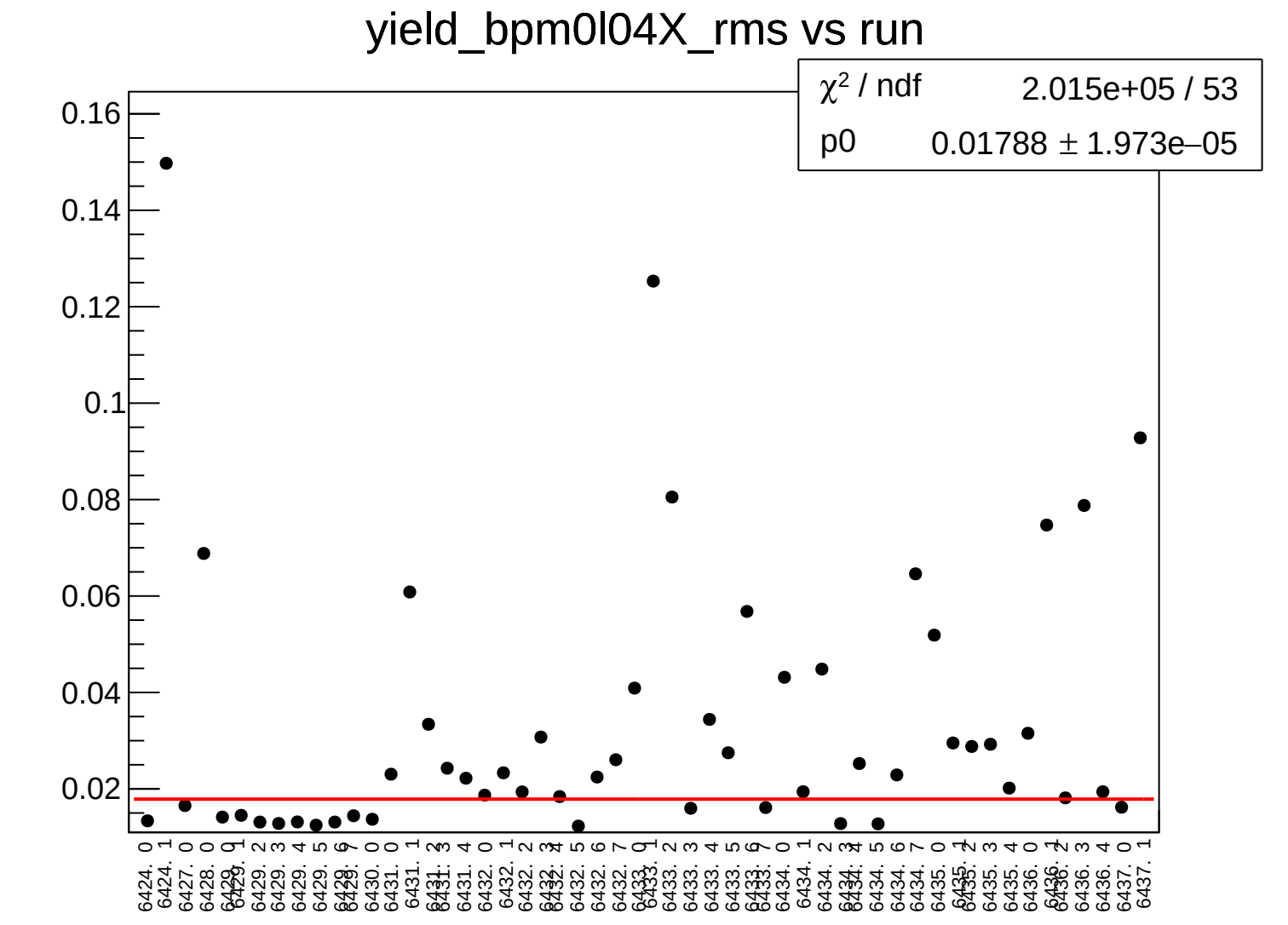

yield_bpm0l03Y_mean vs run
χ² / ndf 2.131e+06 / 53
p0 0.8741 ± 5.319e−05
pull
Entries 54
Mean −1938
Std Dev 0

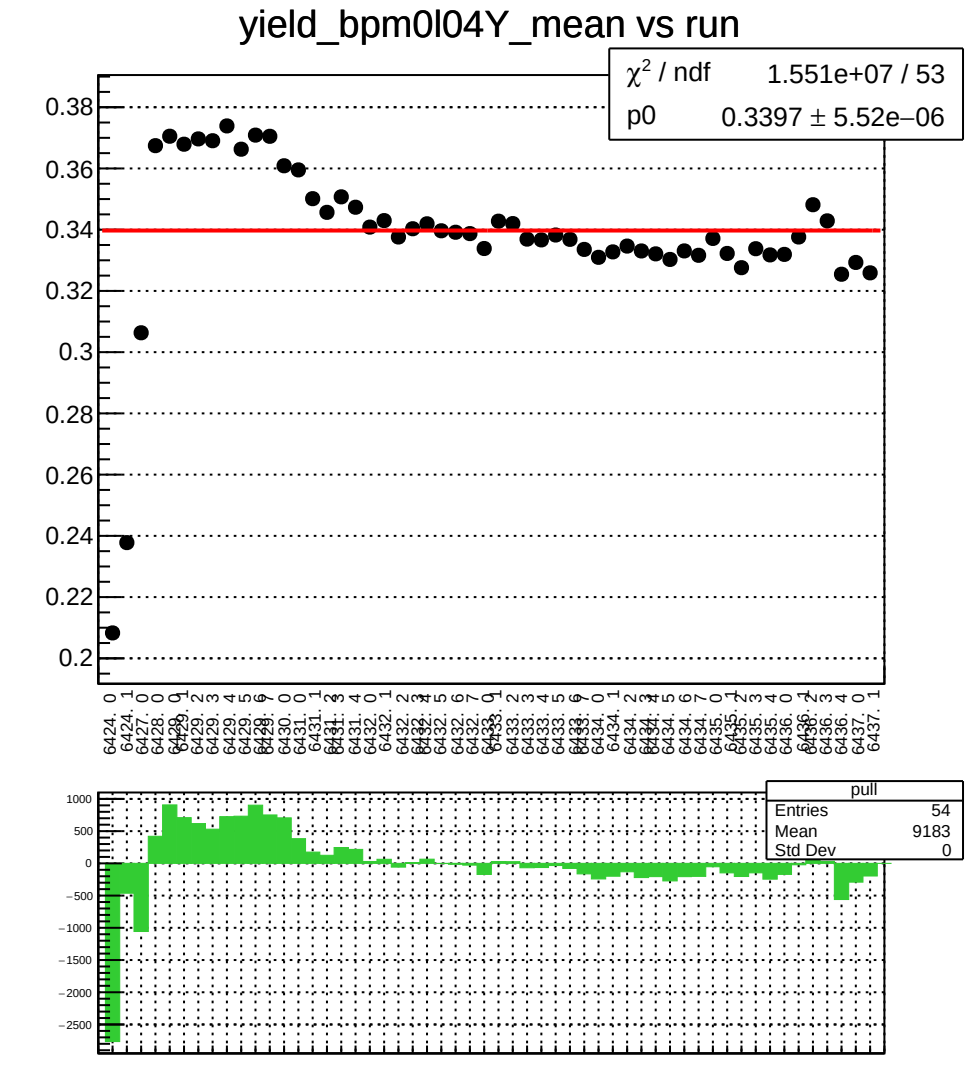

pull1D
Entries 54
Mean −5.414
Std Dev 0

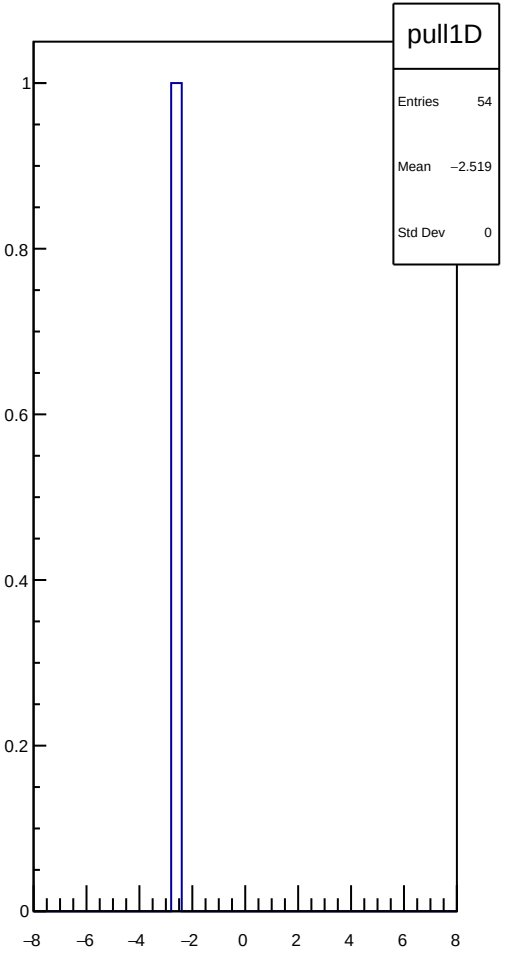

yield_bpm0l03Y_rms vs run
χ² / ndf 5.486e+05 / 53
p0 0.02589 ± 3.761e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

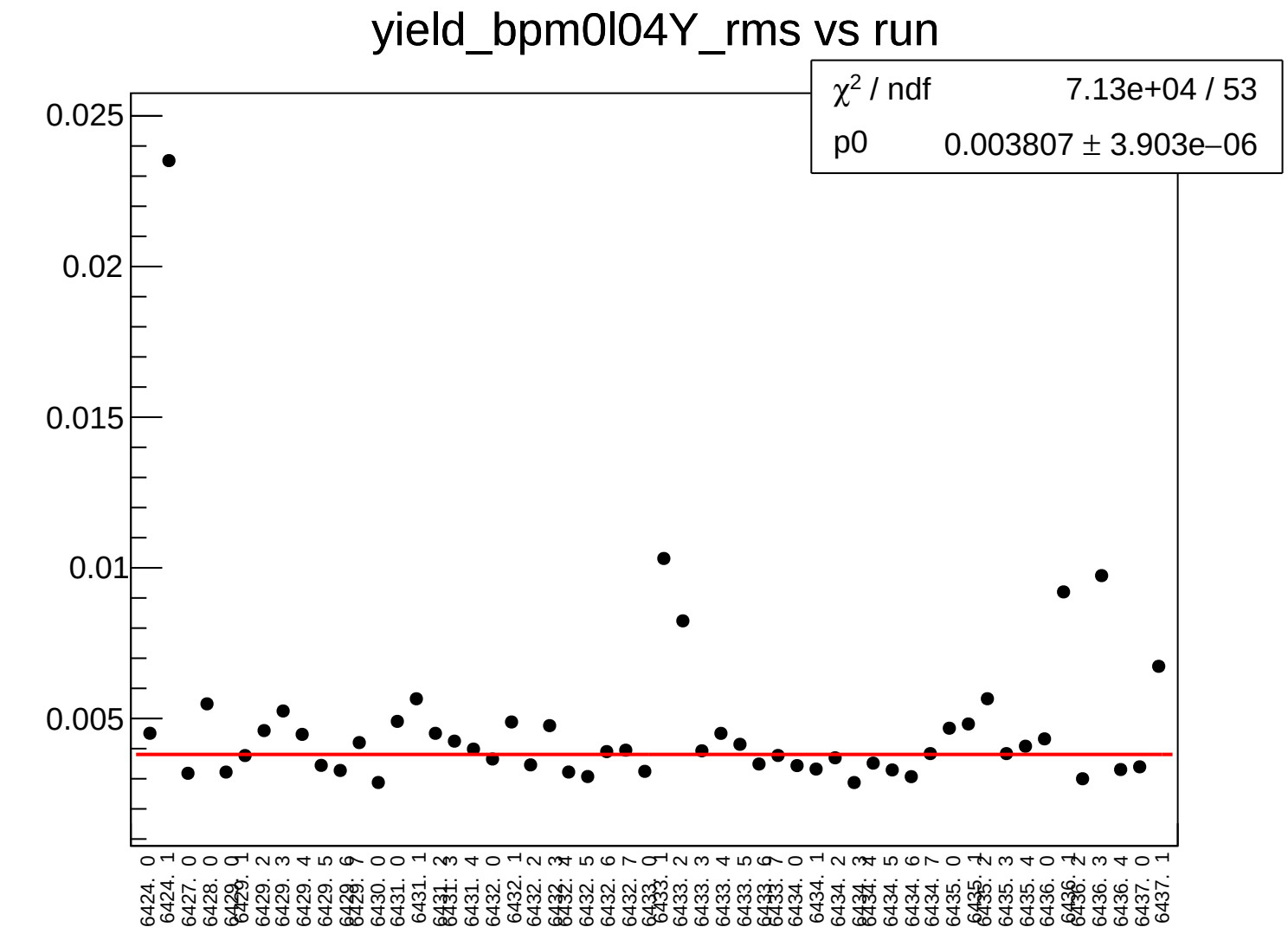

yield_bpm0l04X_mean vs run
χ² / ndf 1.193e+07 / 53
p0 0.8495 ± 2.79e−05
pull
Entries 54
Mean 79.9
Std Dev 0

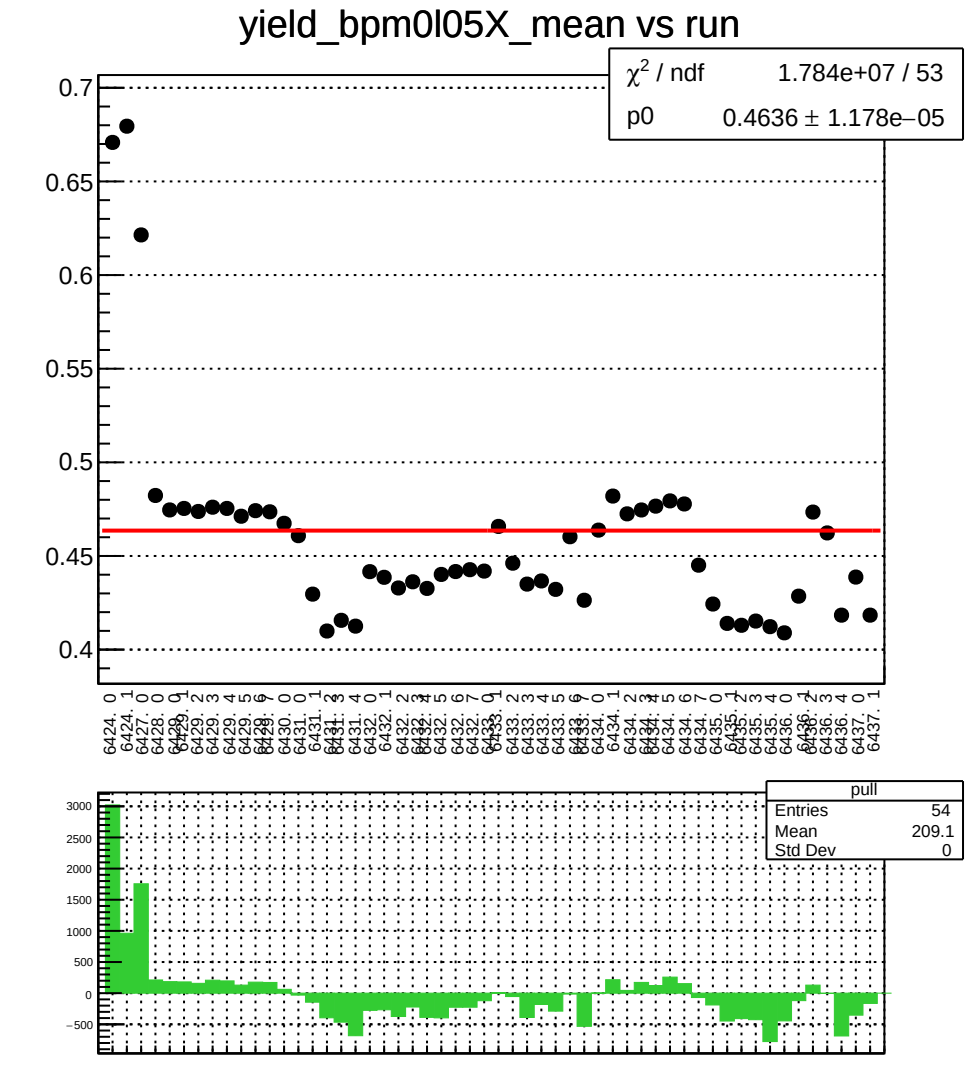

pull1D
Entries 54
Mean 0
Std Dev 0

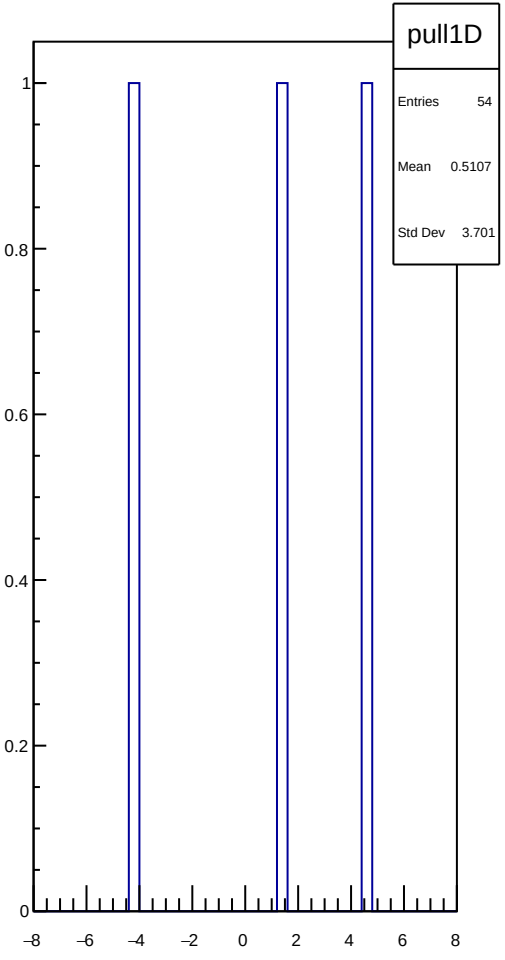

yield_bpm0l04X_rms vs run
χ² / ndf 2.015e+05 / 53
p0 0.01788 ± 1.973e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

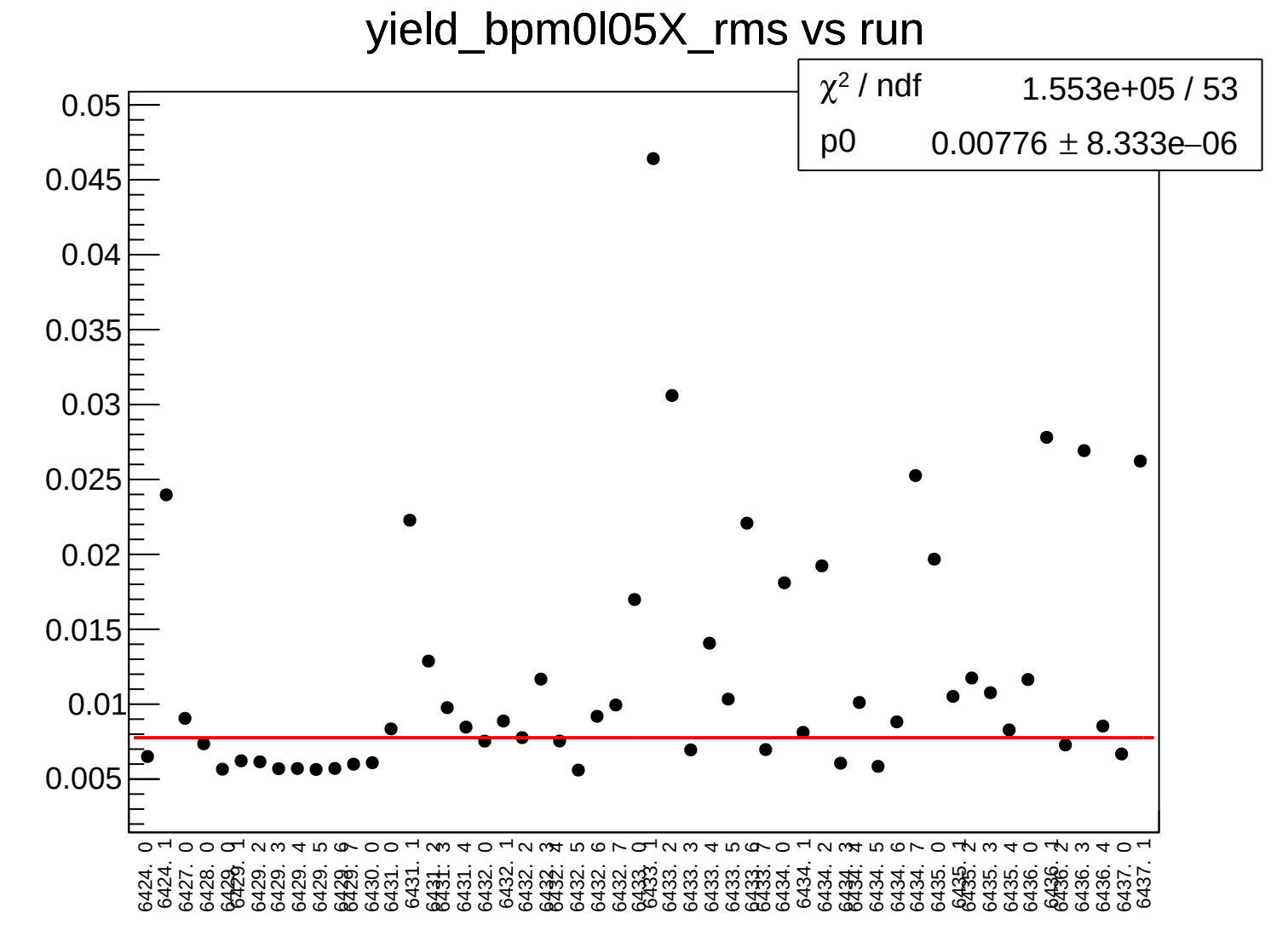

yield_bpm0l04Y_mean vs run
χ² / ndf 1.551e+07 / 53
p0 0.3397 ± 5.52e−06
pull
Entries 54
Mean 9183
Std Dev 0

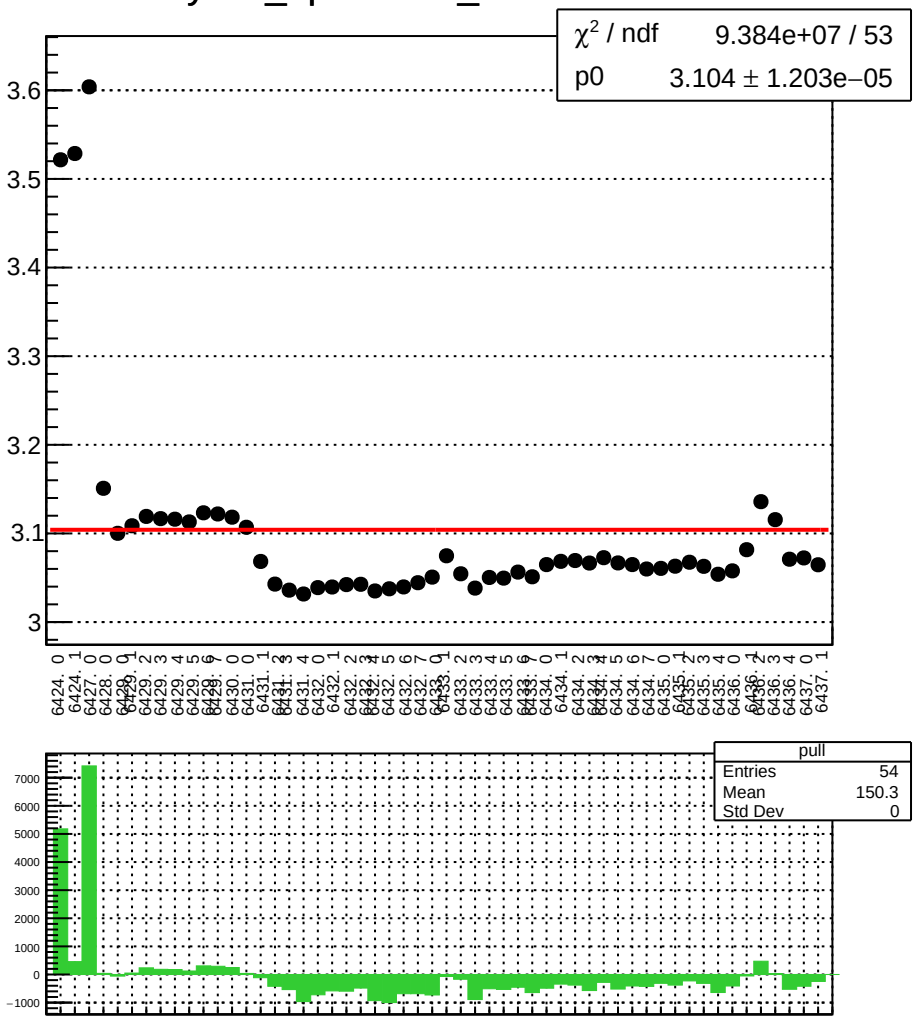

pull1D
Entries 54
Mean −2.519
Std Dev 0

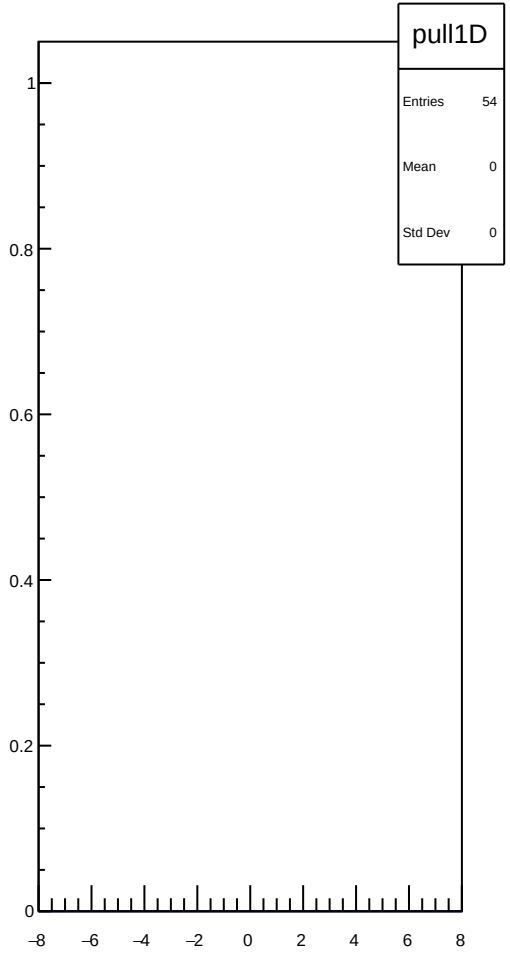

yield_bpm0l04Y_rms vs run
χ² / ndf 7.13e+04 / 53
p0 0.003807 ± 3.903e−06
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

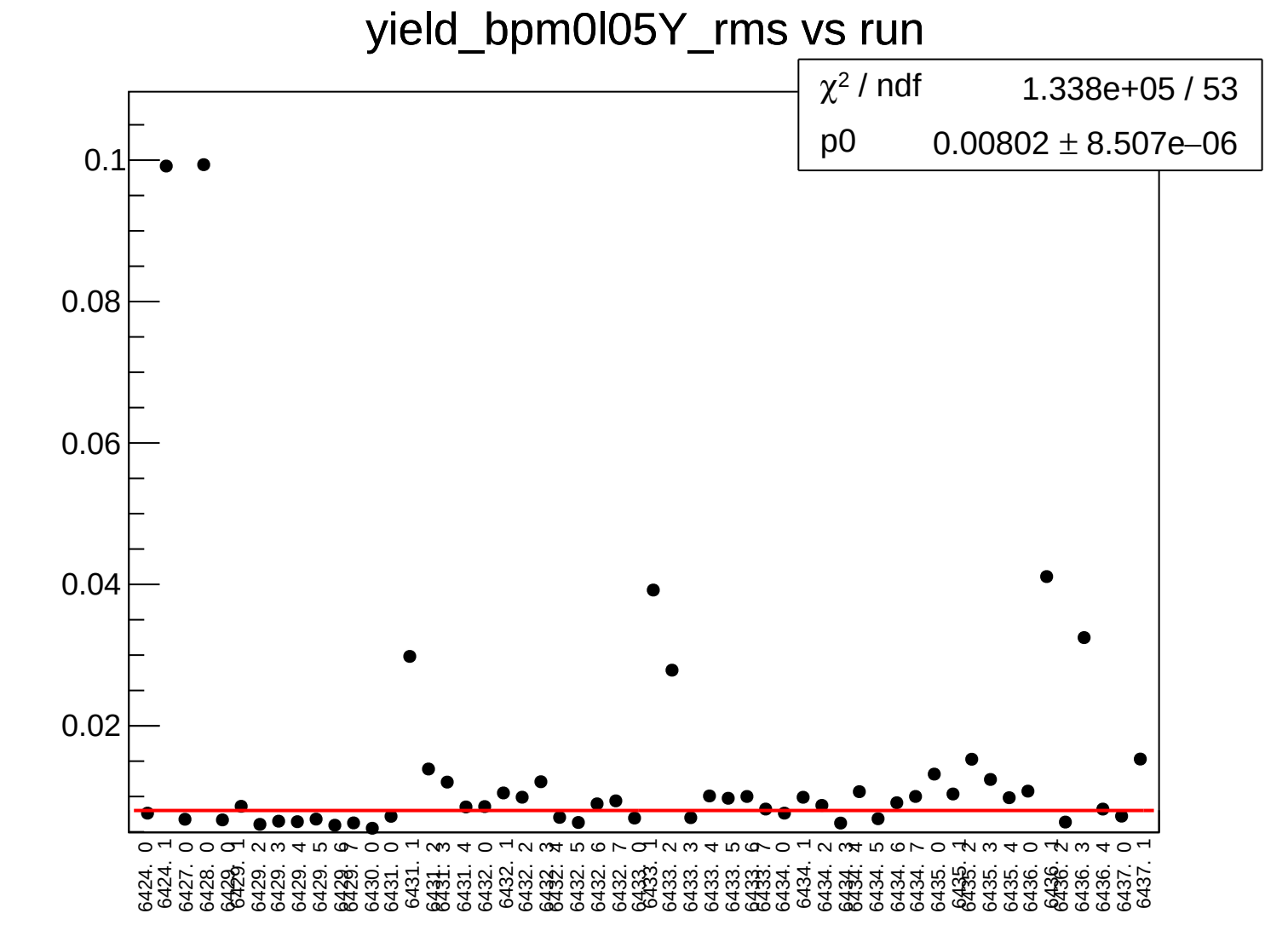

yield_bpm0l05X_mean vs run
χ² / ndf 1.784e+07 / 53
p0 0.4636 ± 1.178e−05
pull
Entries 54
Mean 209.1
Std Dev 0

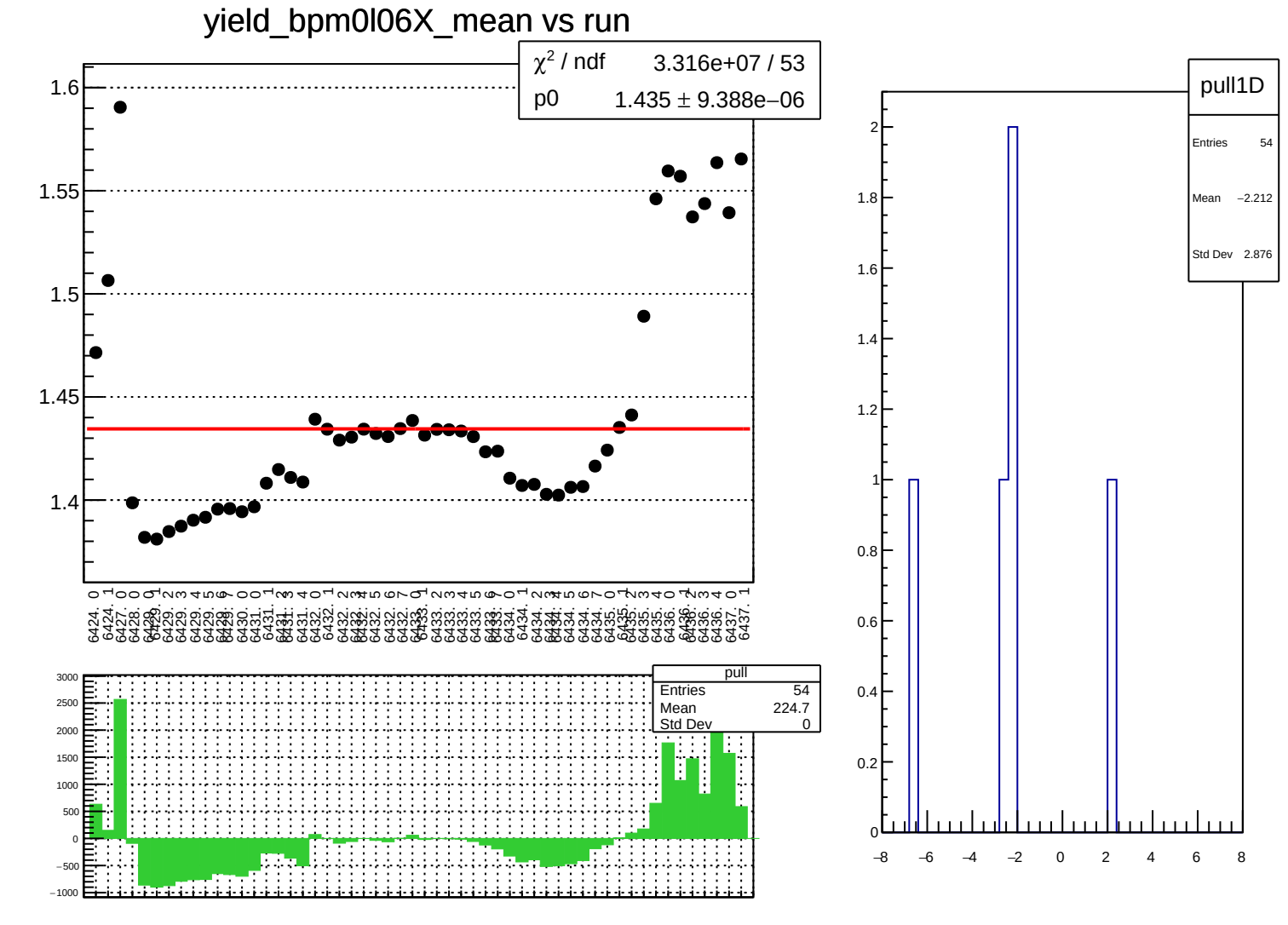

pull1D
Entries 54
Mean 0.5107
Std Dev 3.701

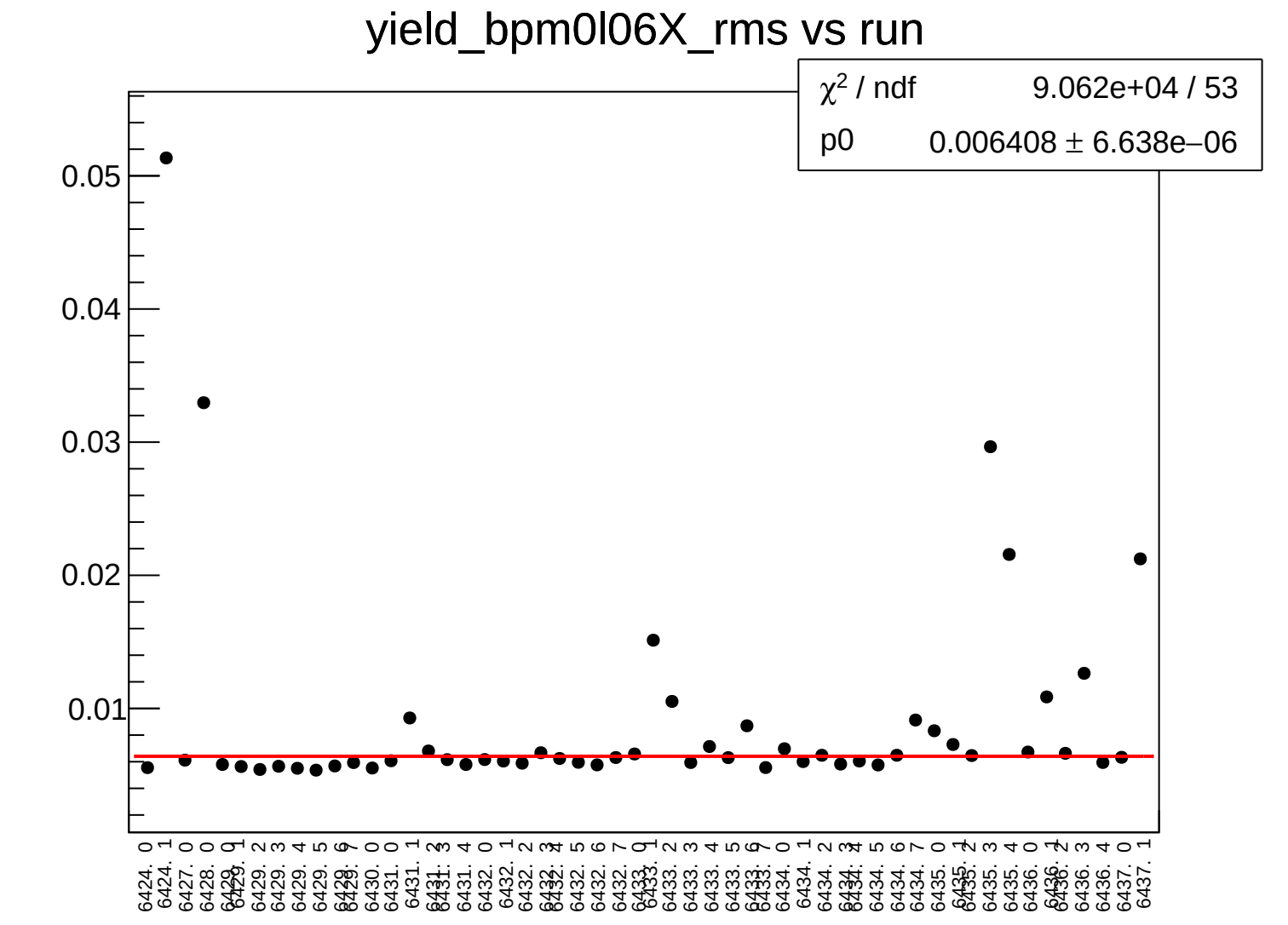

yield_bpm0l05X_rms vs run
χ² / ndf 1.553e+05 / 53
p0 0.00776 ± 8.333e–06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


yield_bpm0l05Y_mean vs run
χ² / ndf 9.384e+07 / 53
p0 3.104 ± 1.203e−05
pull
Entries 54
Mean 150.3
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


yield_bpm0l05Y_rms vs run
χ² / ndf 1.338e+05 / 53
p0 0.00802 ± 8.507e–06
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


yield_bpm0l06X_mean vs run
χ² / ndf 3.316e+07 / 53
p0 1.435 ± 9.388e−06
1.6
1.55
1.5
1.45
1.4
pull
Entries 54
Mean 224.7
Std Dev 0
3000
2500
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 54
Mean −2.212
Std Dev 2.876
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_bpm0l06X_rms vs run
χ^2 / ndf 9.062e+04 / 53
p0 0.006408 ± 6.638e−06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
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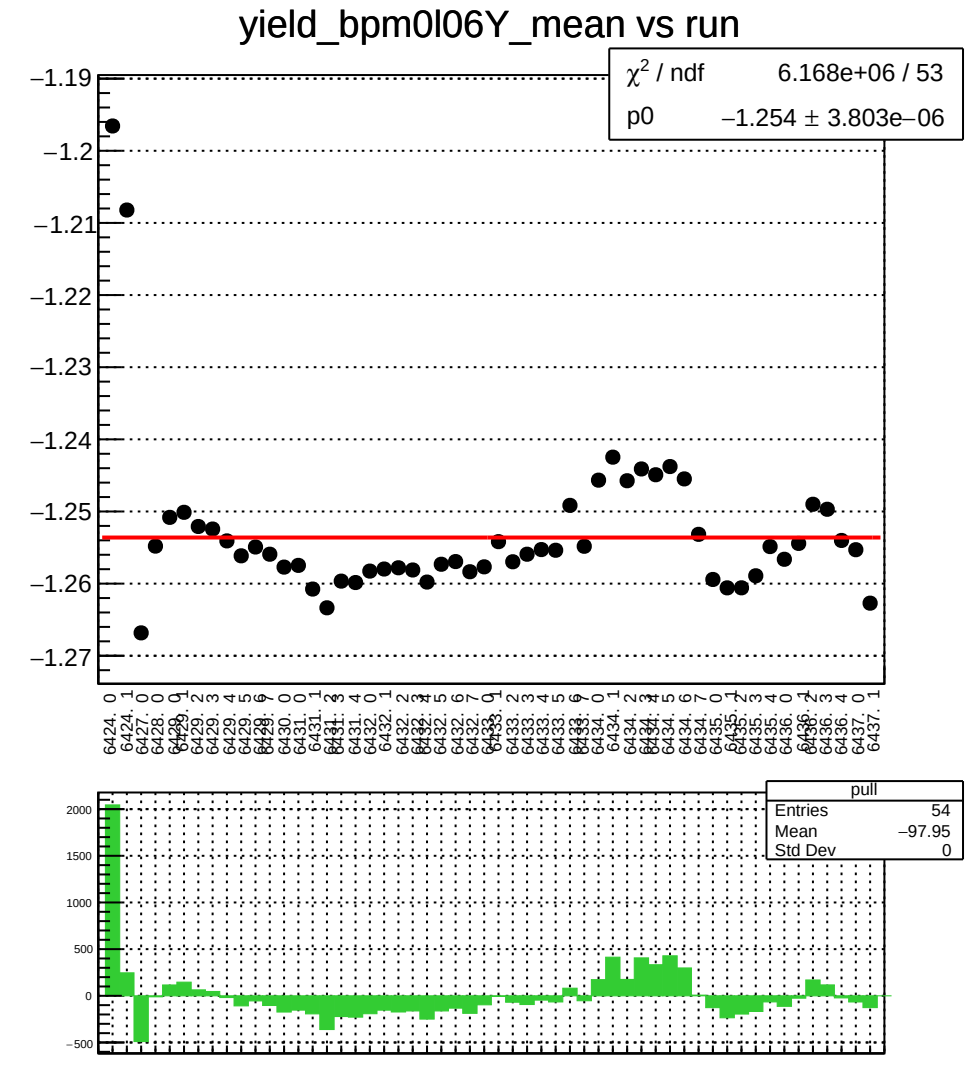
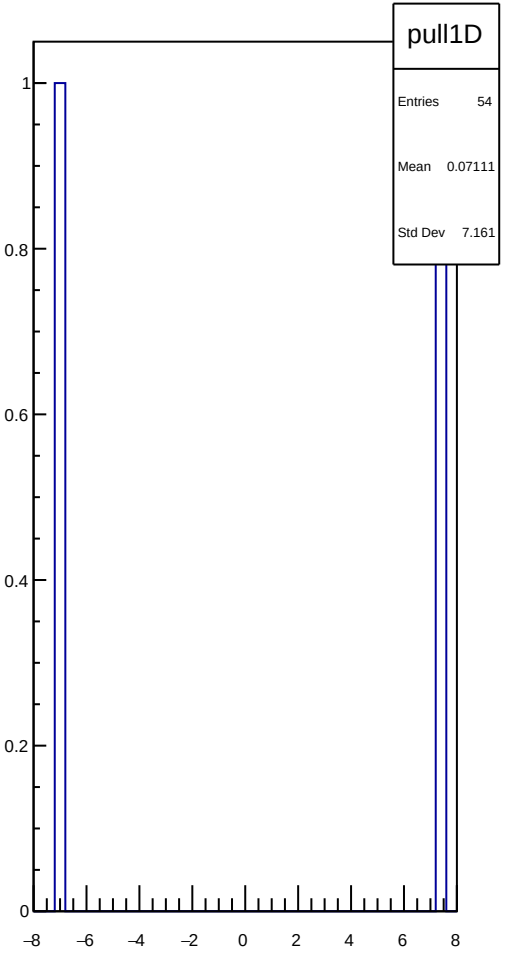
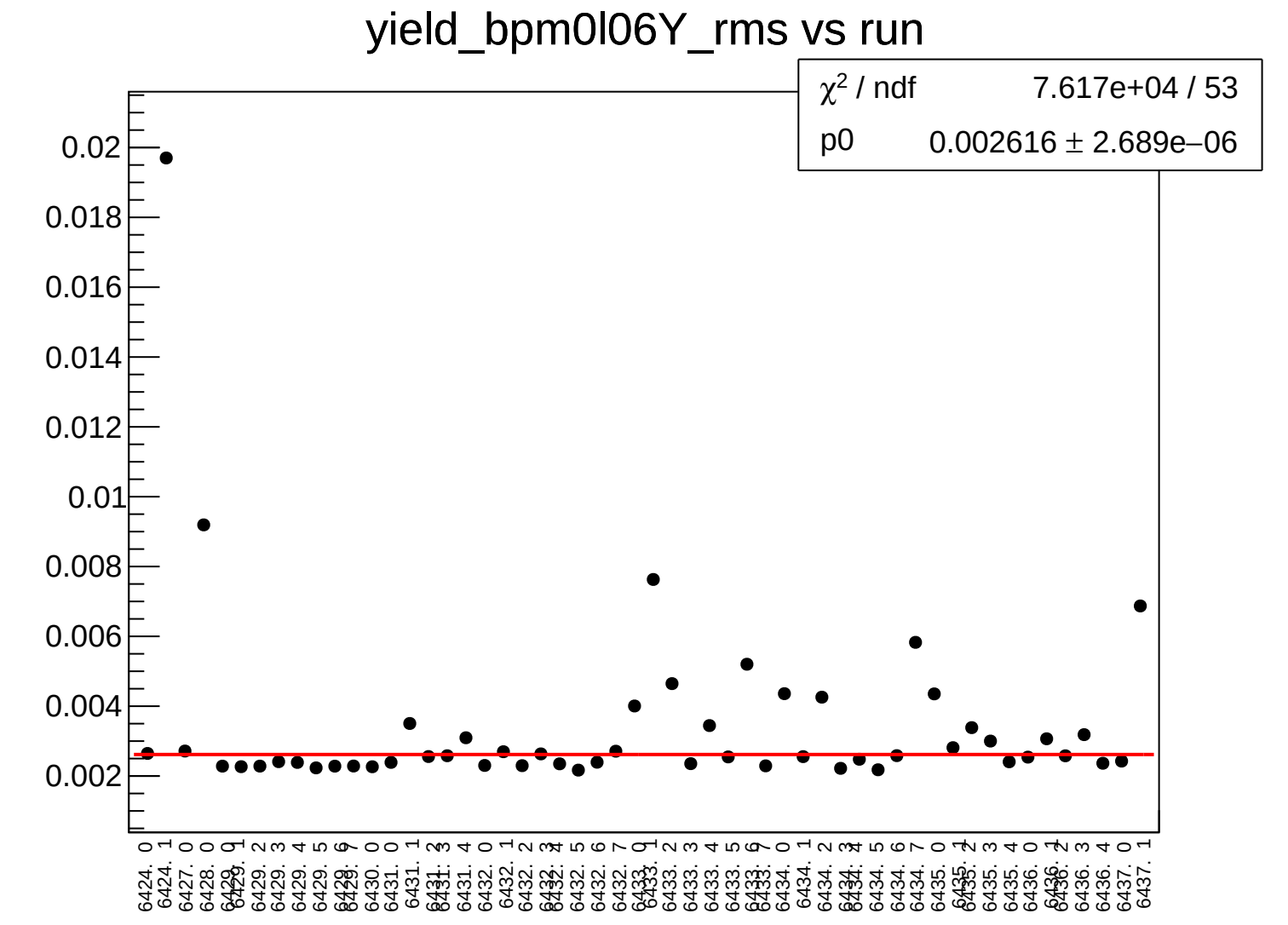
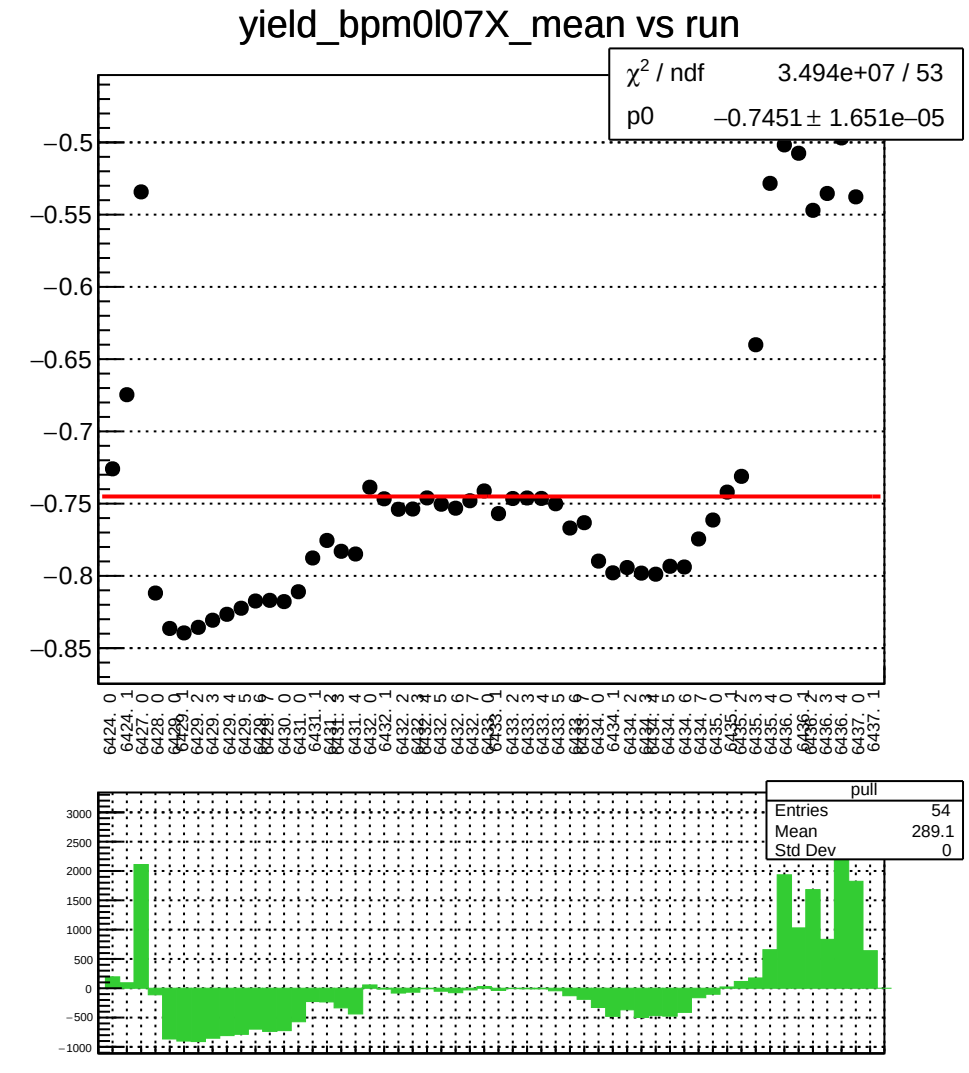
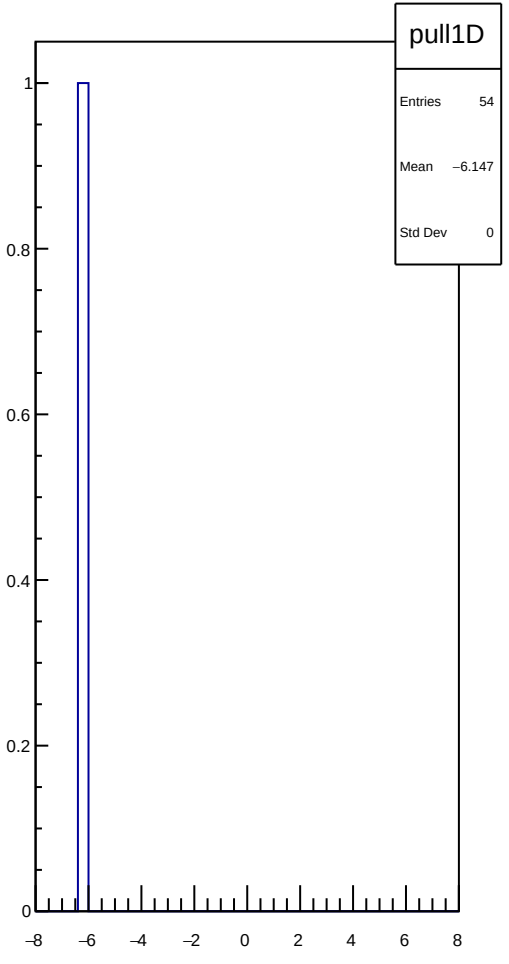
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

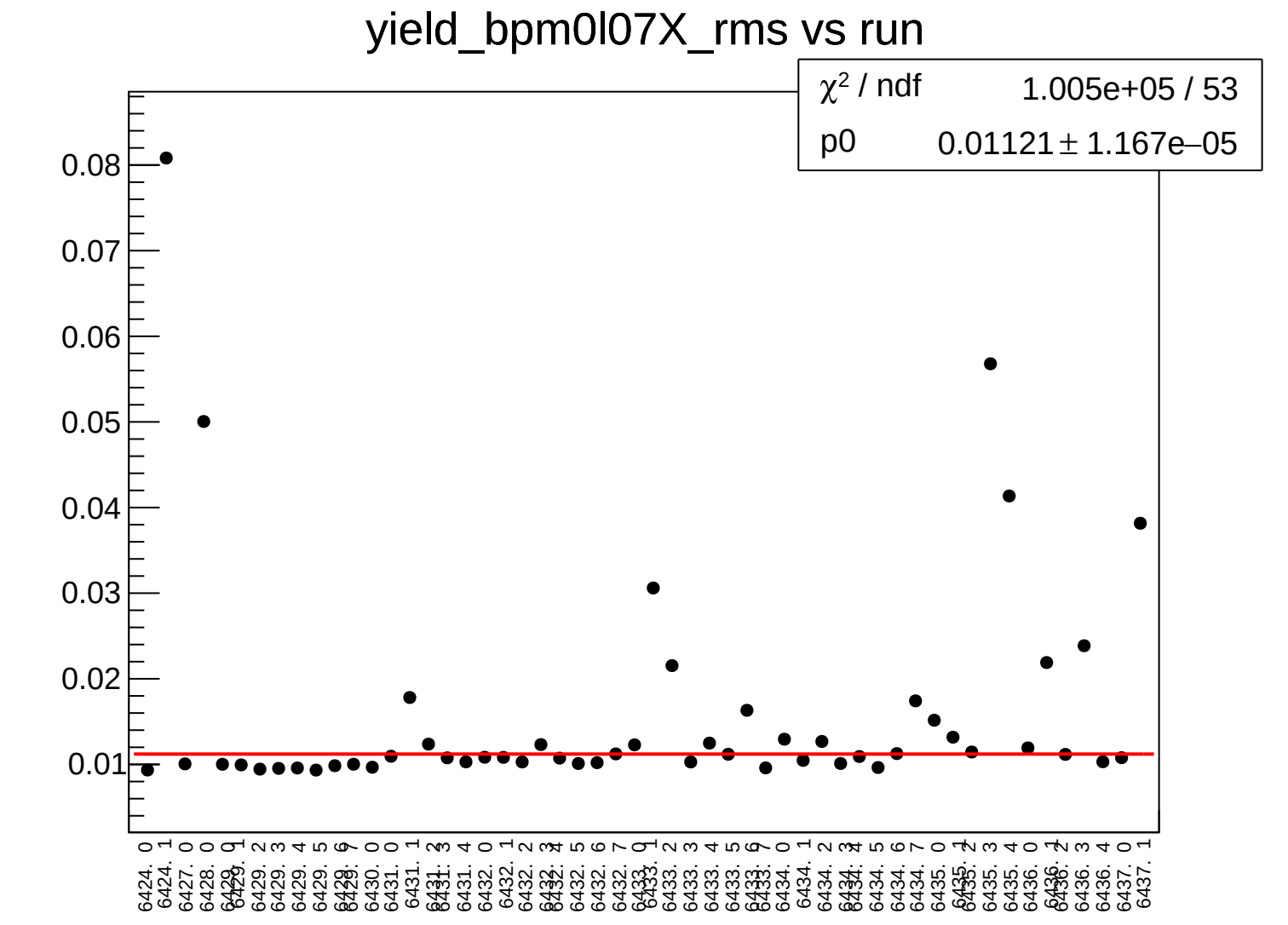

yield_bpm0l06Y_mean vs run
χ² / ndf 6.168e+06 / 53
p0 −1.254 ± 3.803e−06
pull
Entries 54
Mean −97.95
Std Dev 0

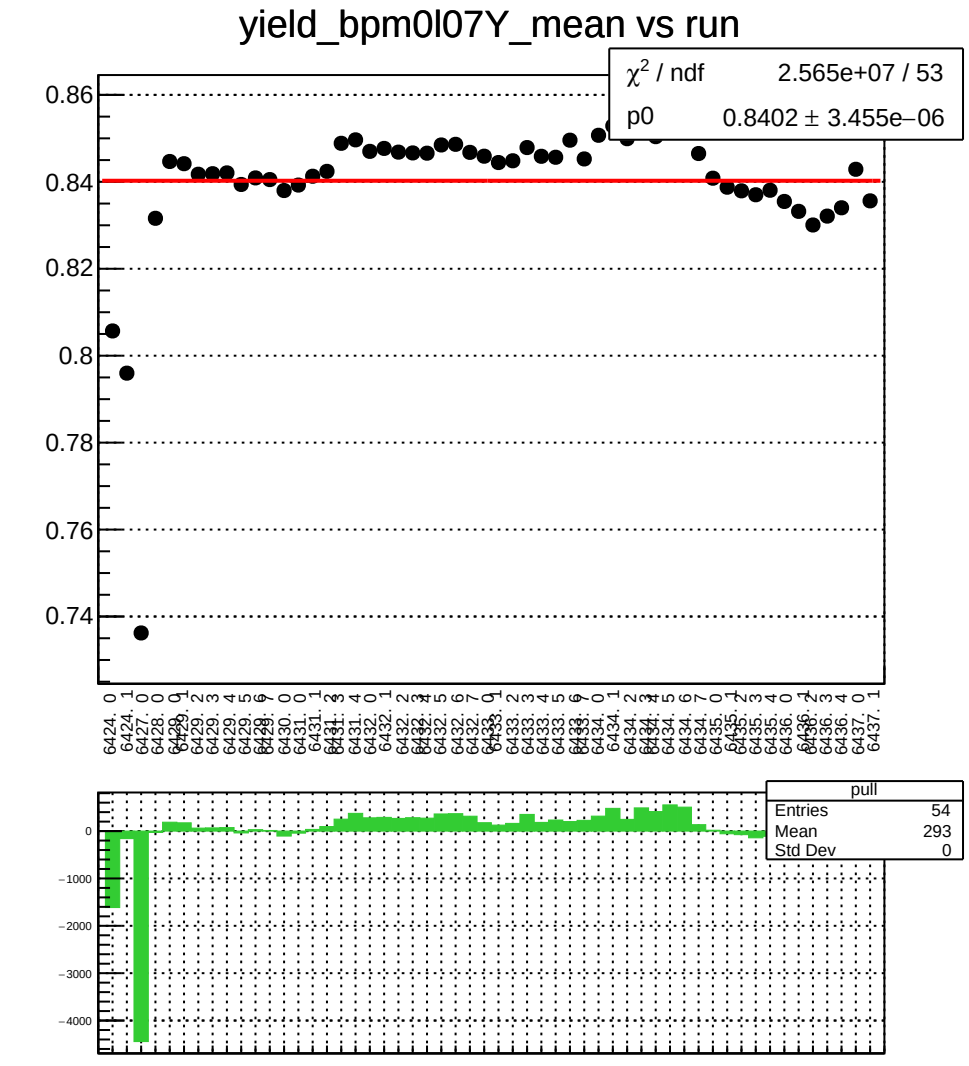

pull1D
Entries 54
Mean 0.07111
Std Dev 7.161

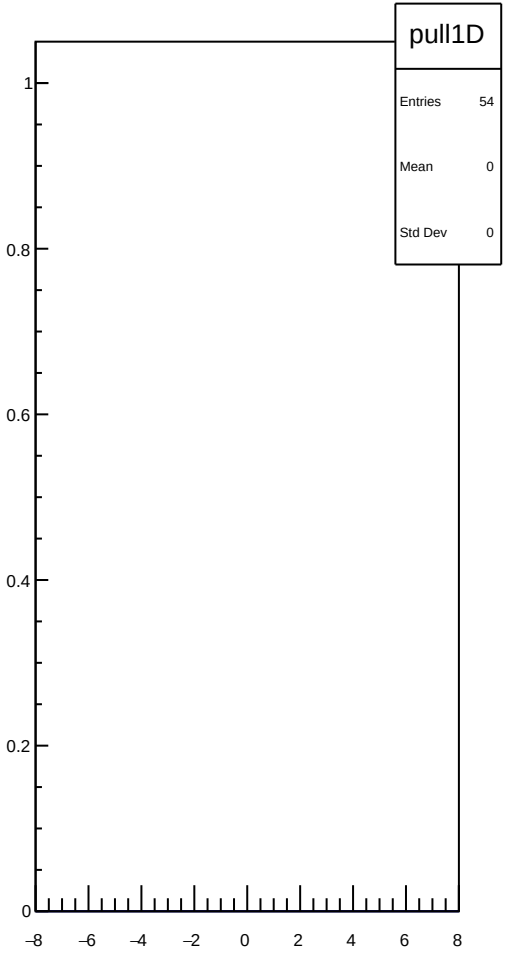

yield_bpm0l06Y_rms vs run
χ² / ndf 7.617e+04 / 53
p0 0.002616 ± 2.689e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

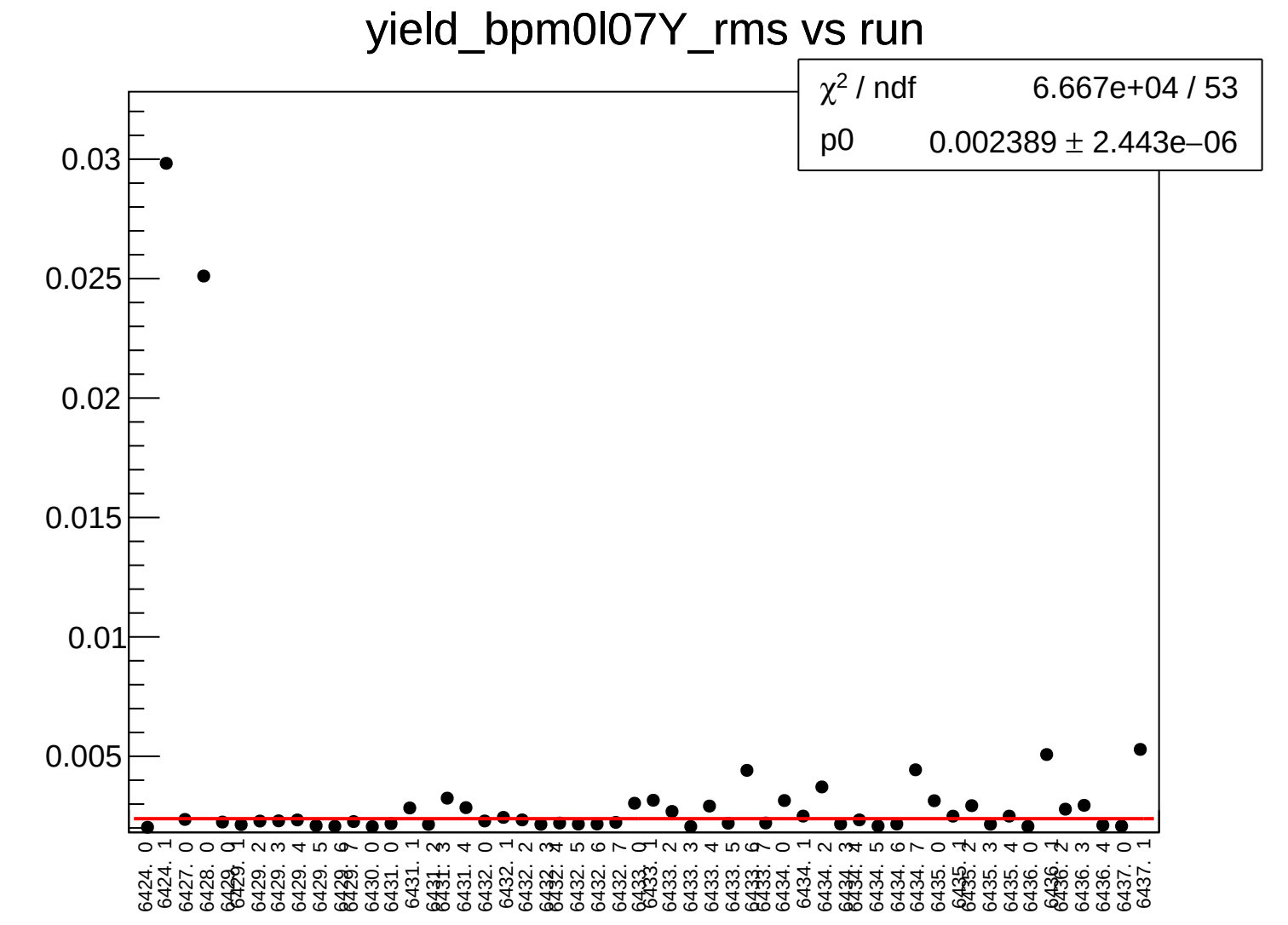

yield_bpm0l07X_mean vs run
χ² / ndf 3.494e+07 / 53
p0 −0.7451 ± 1.651e−05
pull
Entries 54
Mean 289.1
Std Dev 0

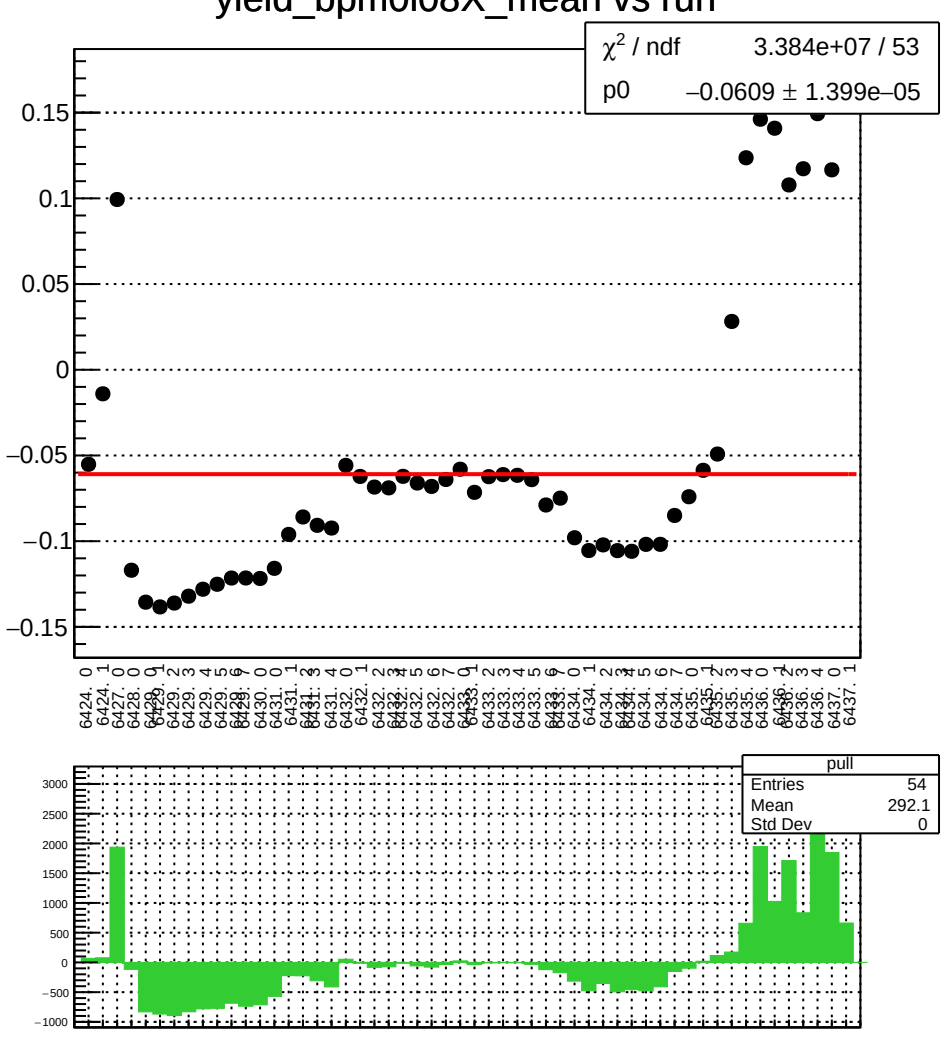

pull1D
Entries 54
Mean −6.147
Std Dev 0

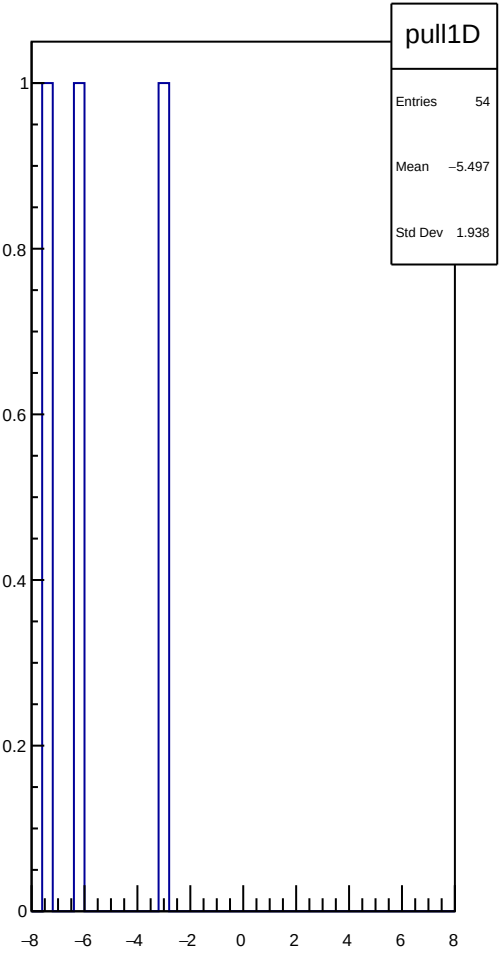

yield_bpm0l07X_rms vs run
χ² / ndf 1.005e+05 / 53
p0 0.01121 ± 1.167e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

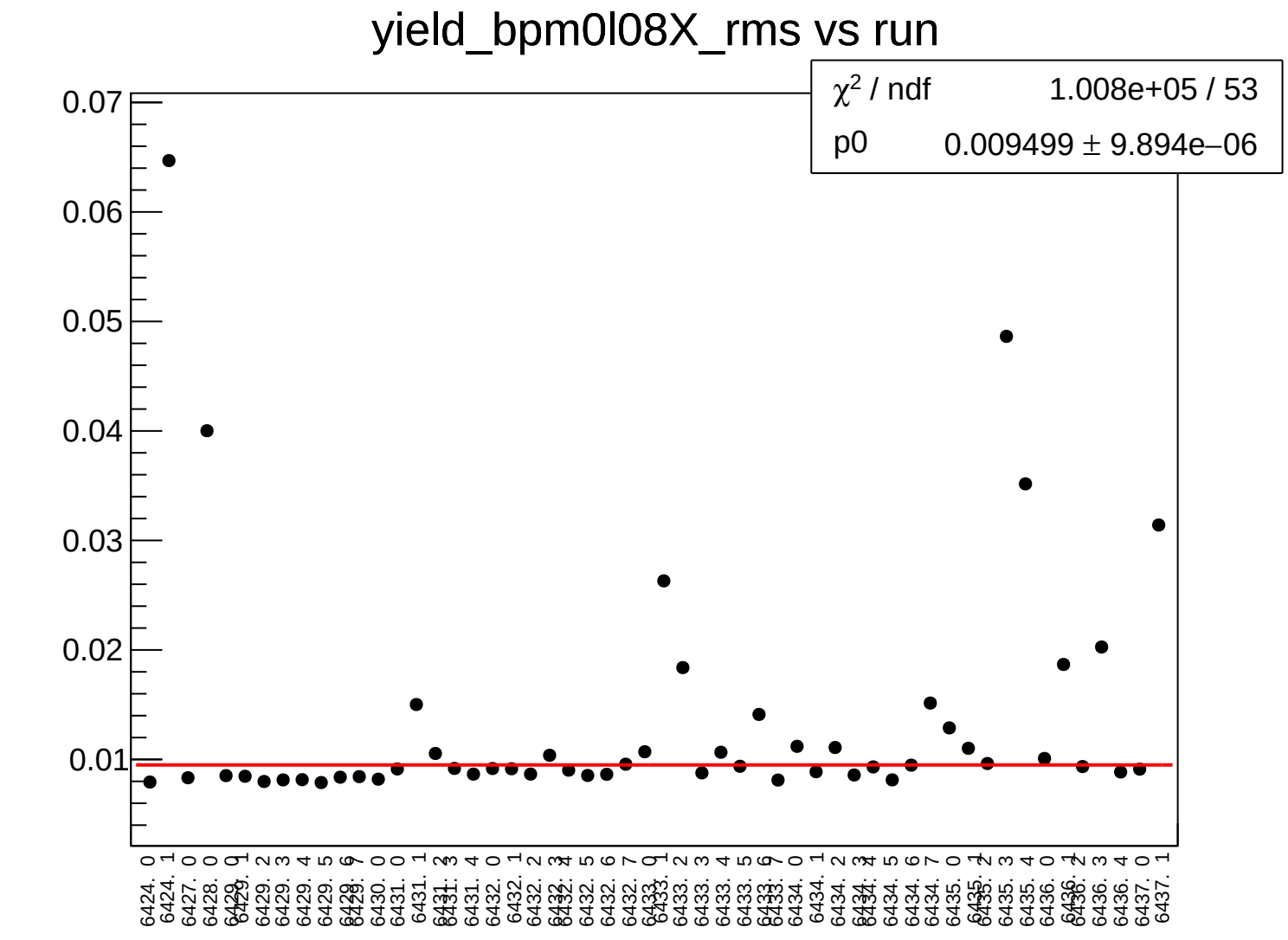

yield_bpm0l07Y_mean vs run
χ² / ndf 2.565e+07 / 53
p0 0.8402 ± 3.455e−06
0.86
0.84
0.82
0.8
0.78
0.76
0.74
pull
Entries 54
Mean 293
Std Dev 0
0
−1000
−2000
−3000
−4000

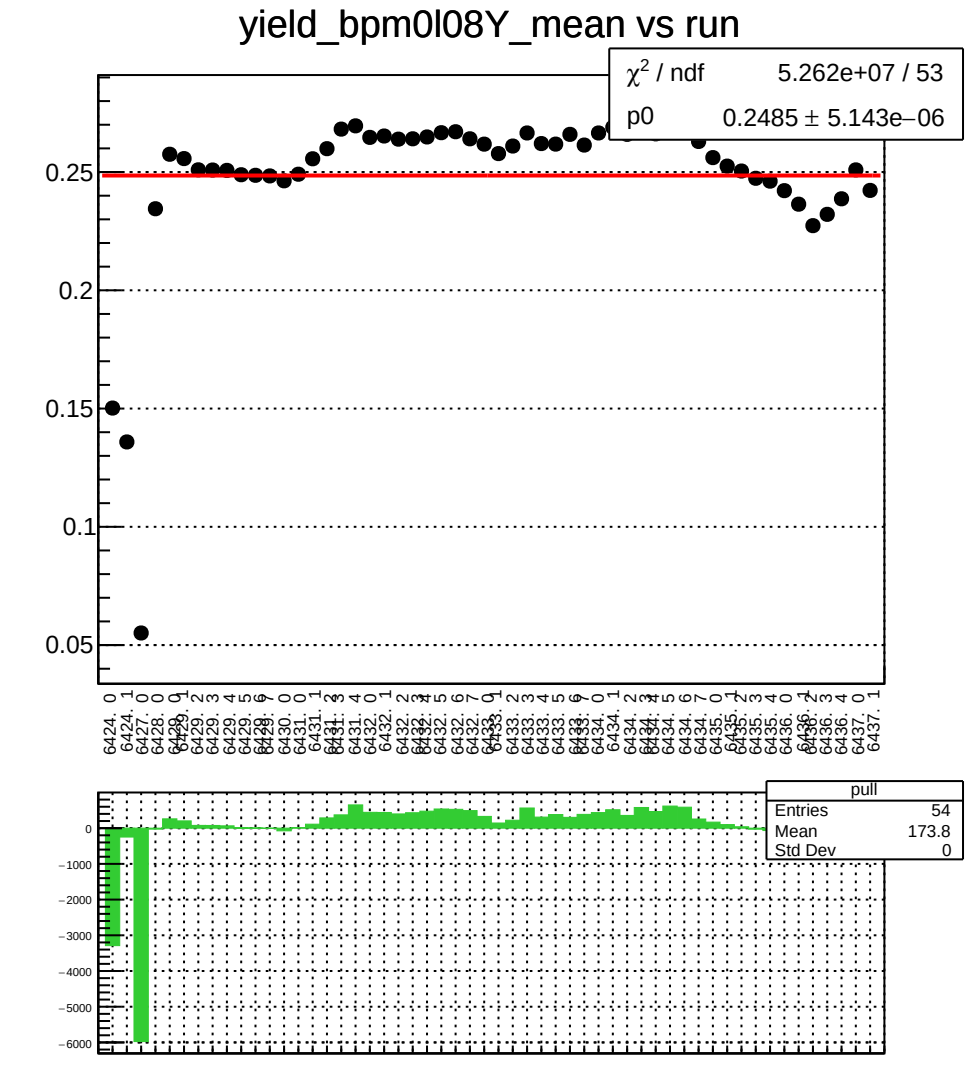

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

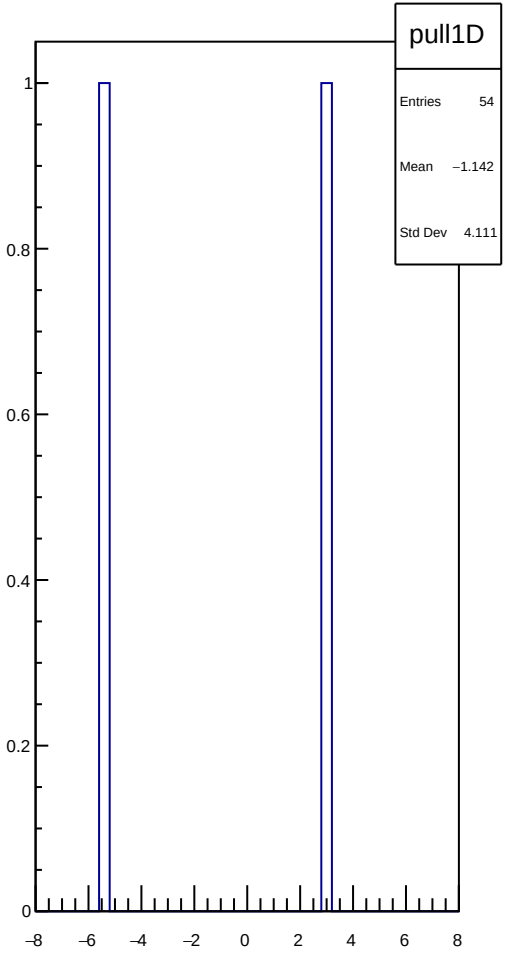

yield_bpm0l07Y_rms vs run
χ² / ndf 6.667e+04 / 53
p0 0.002389 ± 2.443e−06
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

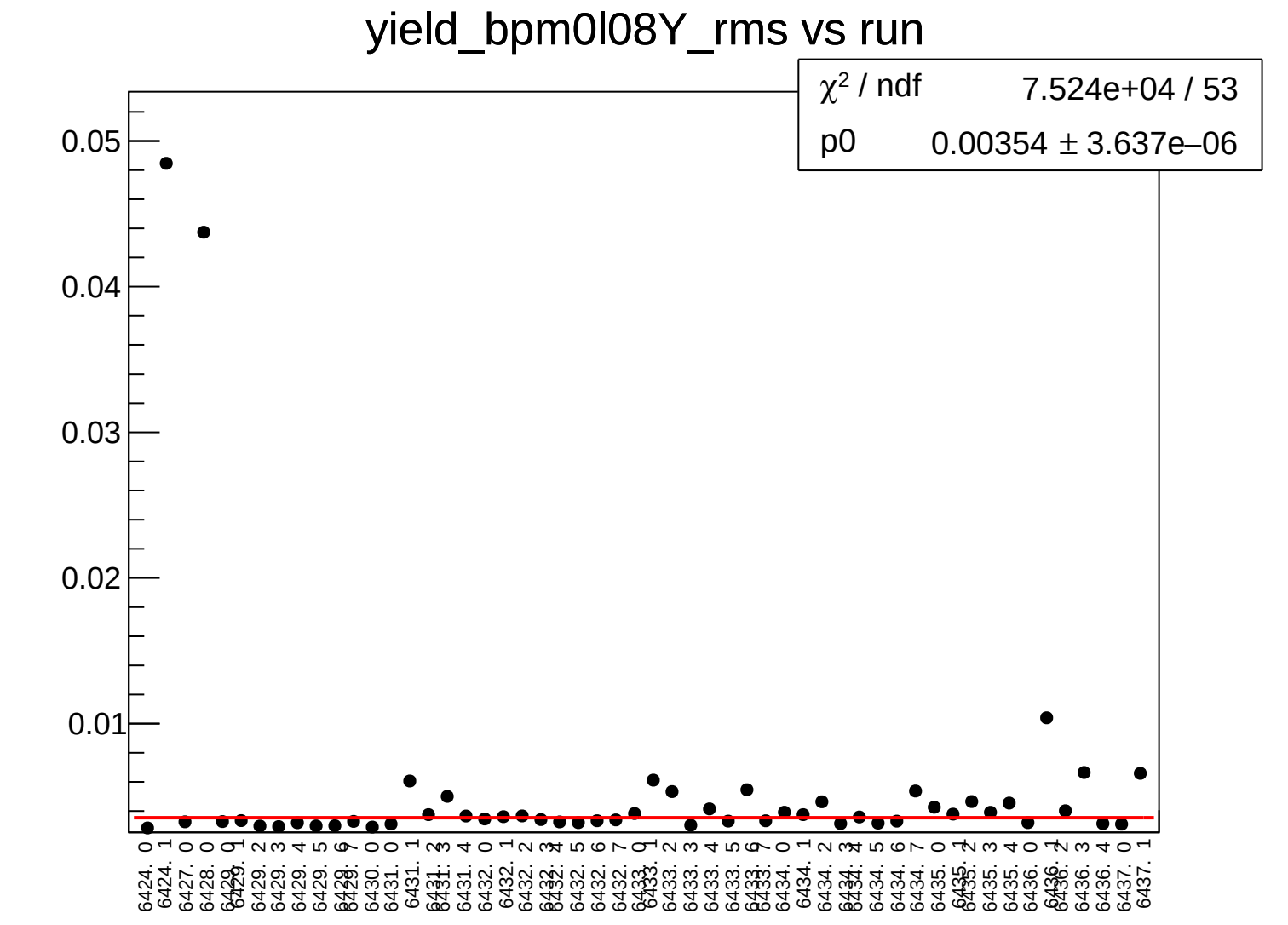

yield_bpm0l08X_mean vs run
χ² / ndf 3.384e+07 / 53
p0 −0.0609 ± 1.399e−05
pull
Entries 54
Mean 292.1
Std Dev 0

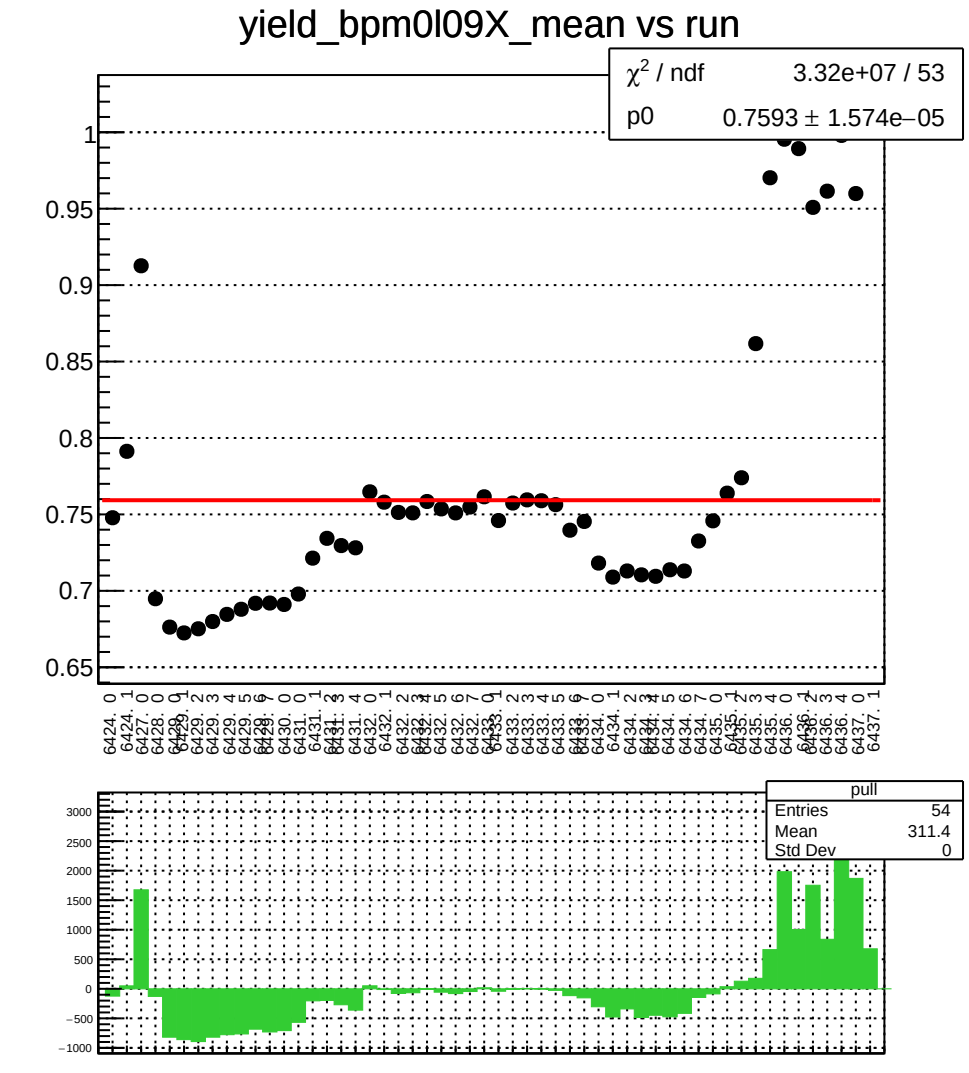

pull1D
Entries 54
Mean −5.497
Std Dev 1.938

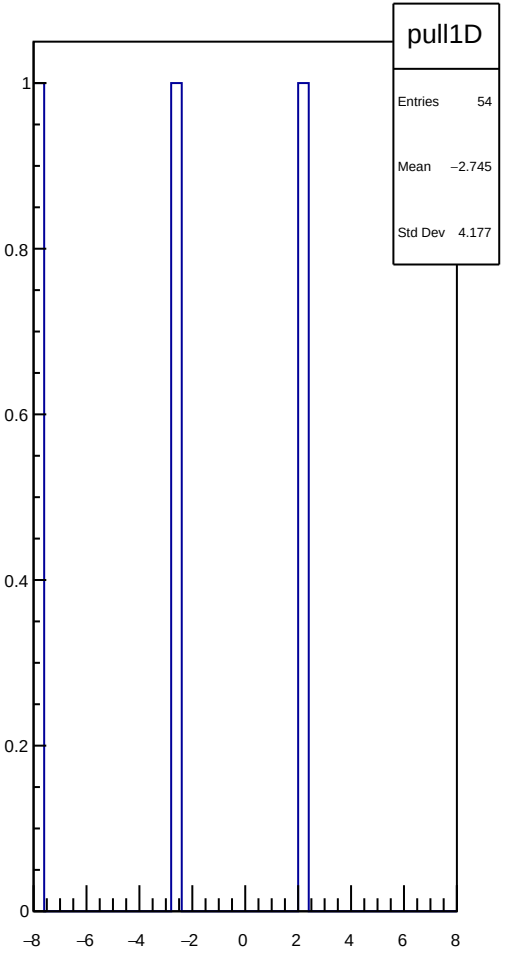

yield_bpm0l08X_rms vs run
χ² / ndf 1.008e+05 / 53
p0 0.009499 ± 9.894e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

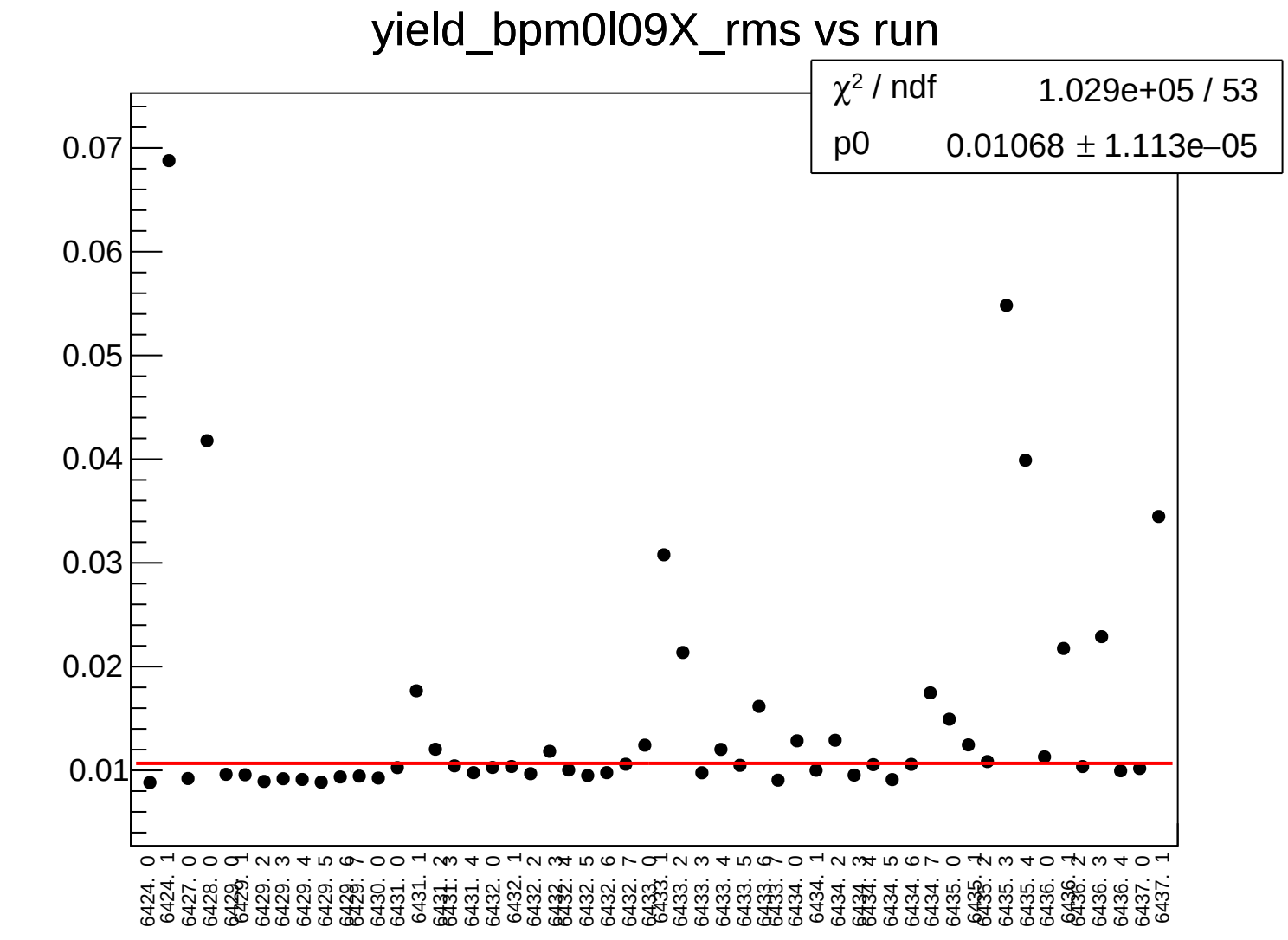

yield_bpm0l08Y_mean vs run
χ² / ndf 5.262e+07 / 53
p0 0.2485 ± 5.143e−06
0.25
0.2
0.15
0.1
0.05
pull
Entries 54
Mean 173.8
Std Dev 0
0
−1000
−2000
−3000
−4000
−5000
−6000

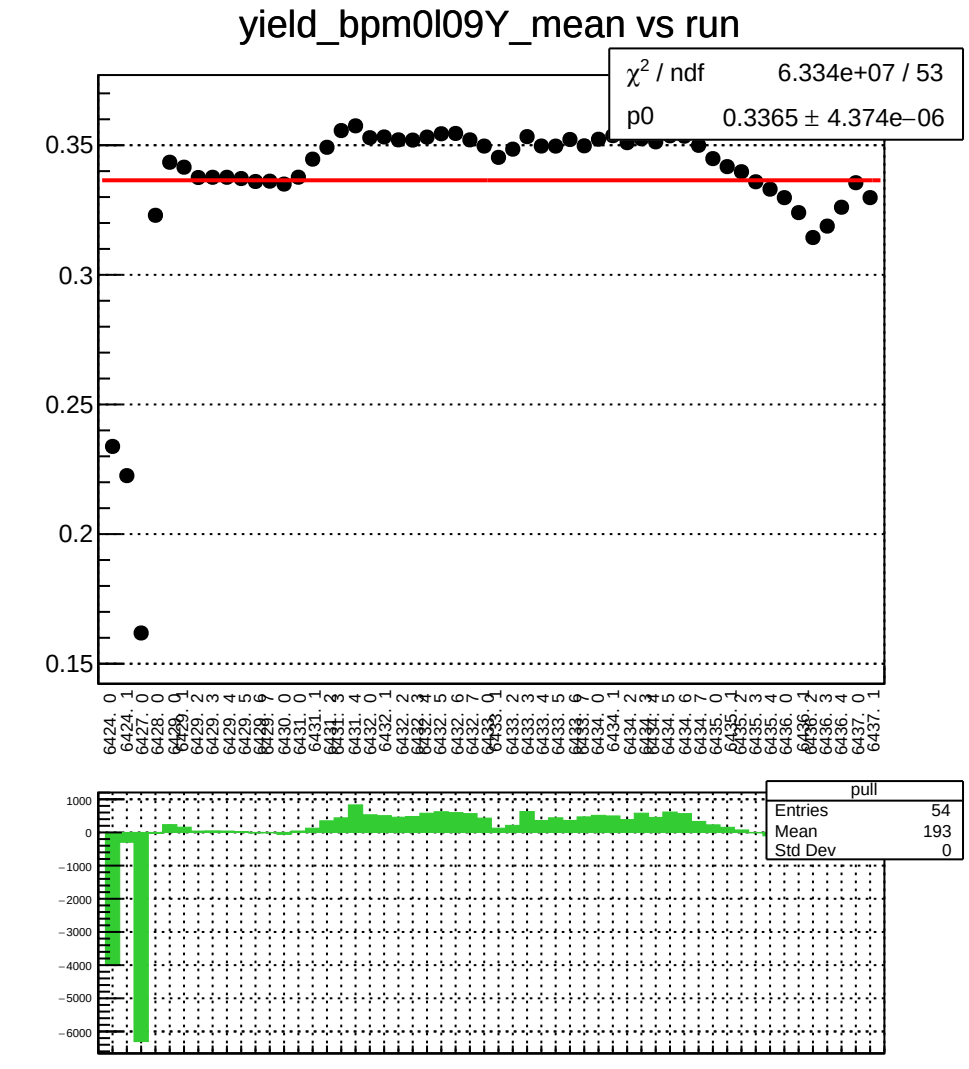

pull1D
Entries 54
Mean −1.142
Std Dev 4.111
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

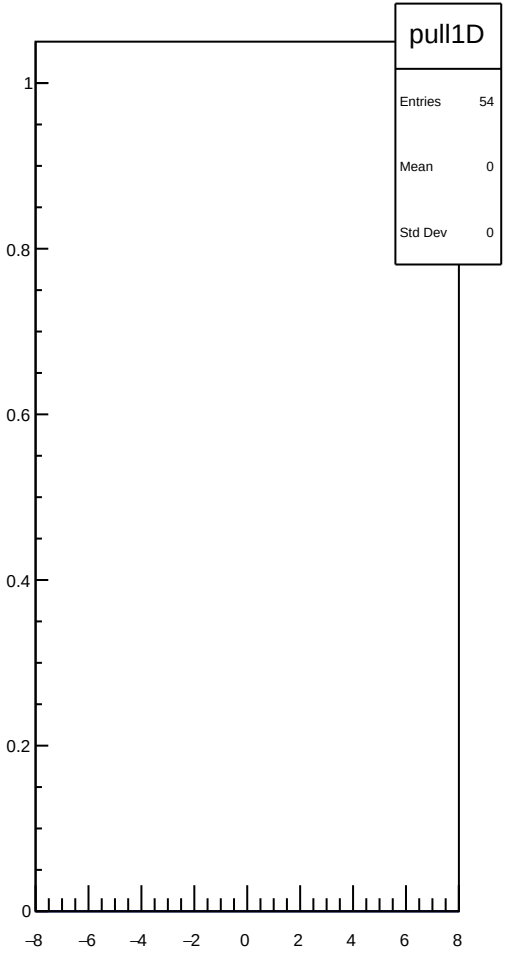

yield_bpm0l08Y_rms vs run
χ² / ndf 7.524e+04 / 53
p0 0.00354 ± 3.637e–06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

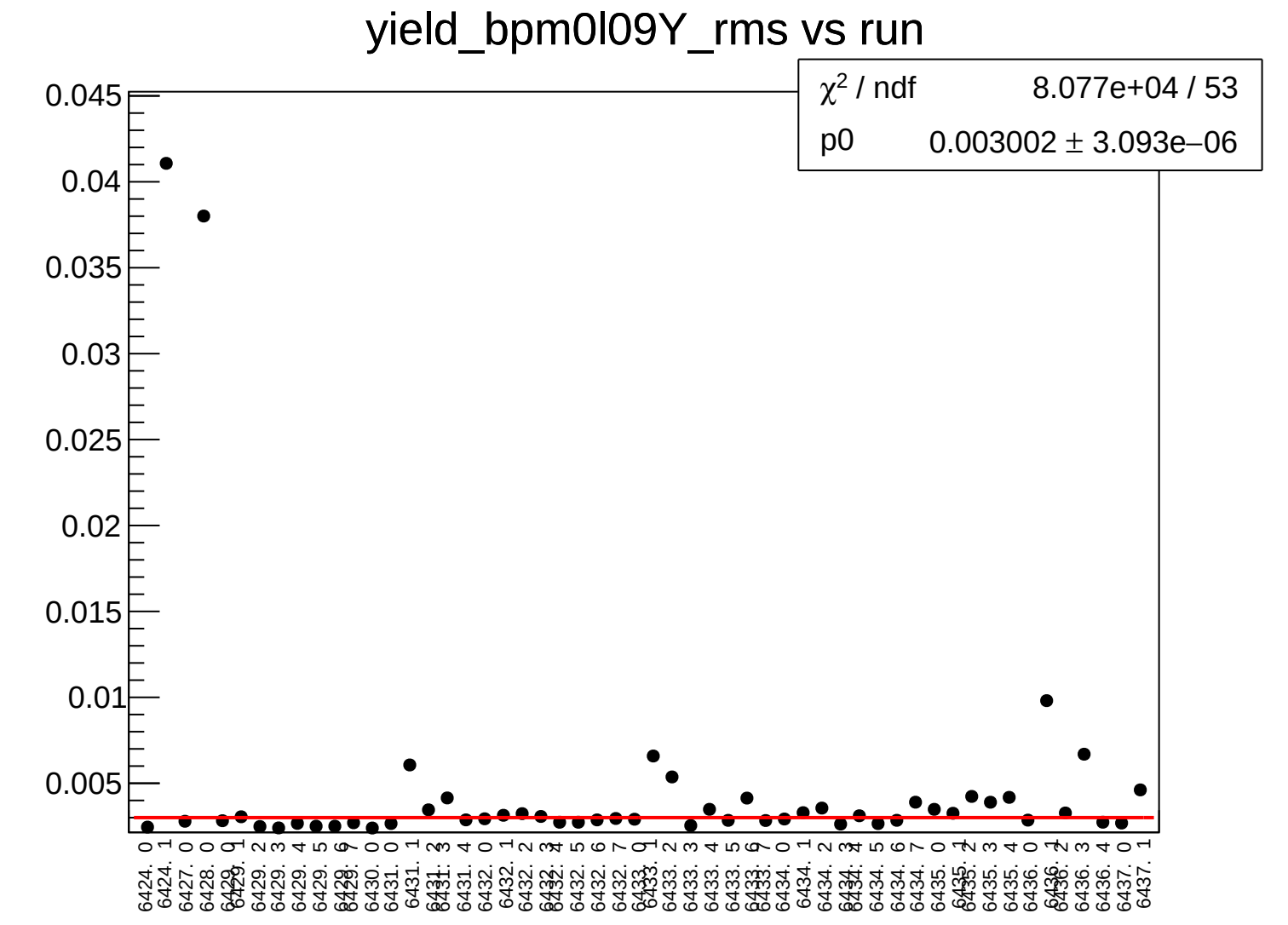

yield_bpm0l09X_mean vs run
χ² / ndf 3.32e+07 / 53
p0 0.7593 ± 1.574e−05
pull
Entries 54
Mean 311.4
Std Dev 0

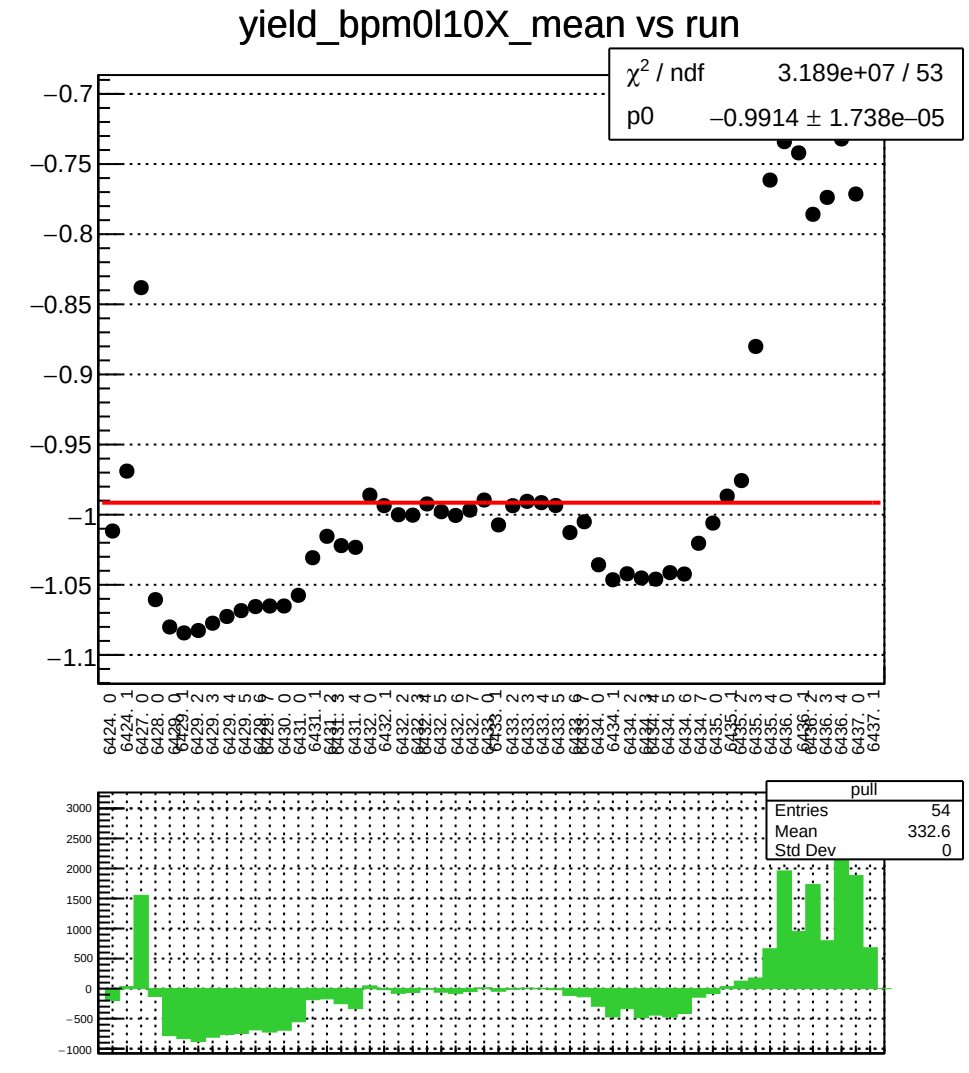

pull1D
Entries 54
Mean −2.745
Std Dev 4.177

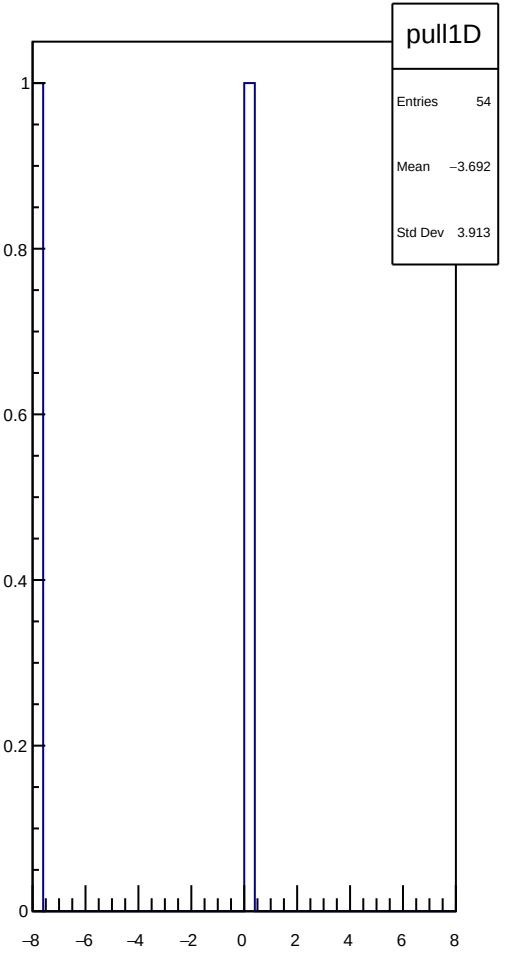

yield_bpm0l09X_rms vs run
χ² / ndf 1.029e+05 / 53
p0 0.01068 ± 1.113e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

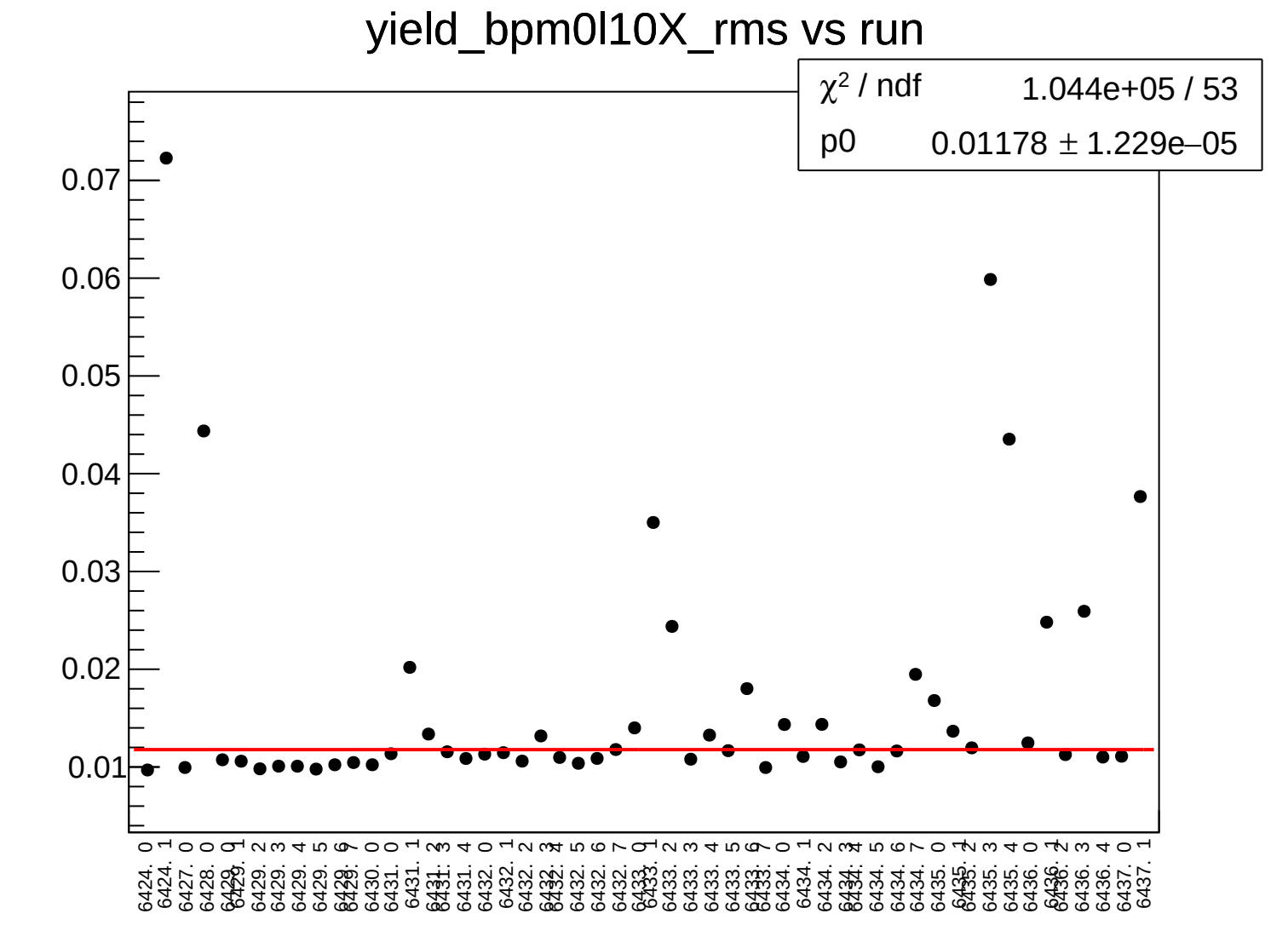

yield_bpm0l09Y_mean vs run
χ² / ndf 6.334e+07 / 53
p0 0.3365 ± 4.374e−06
0.35
0.3
0.25
0.2
0.15
pull
Entries 54
Mean 193
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

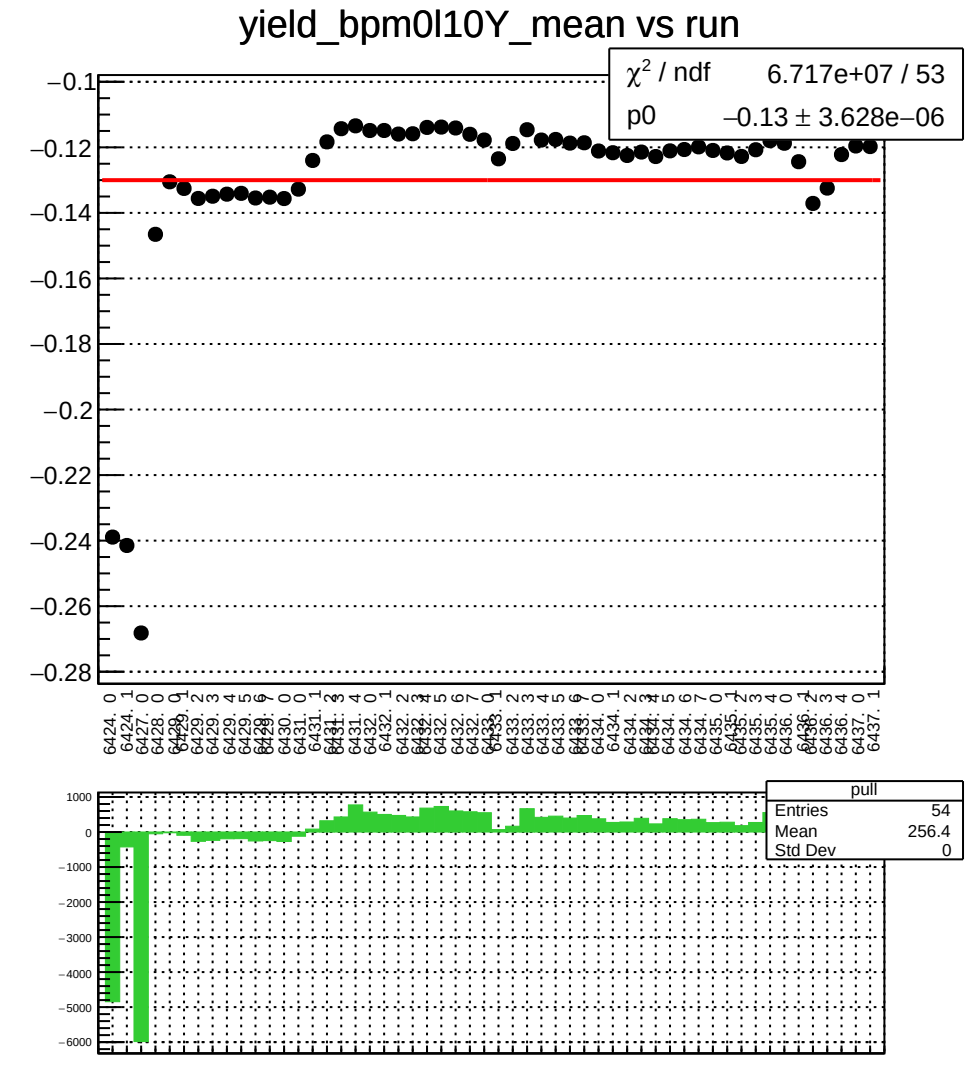

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

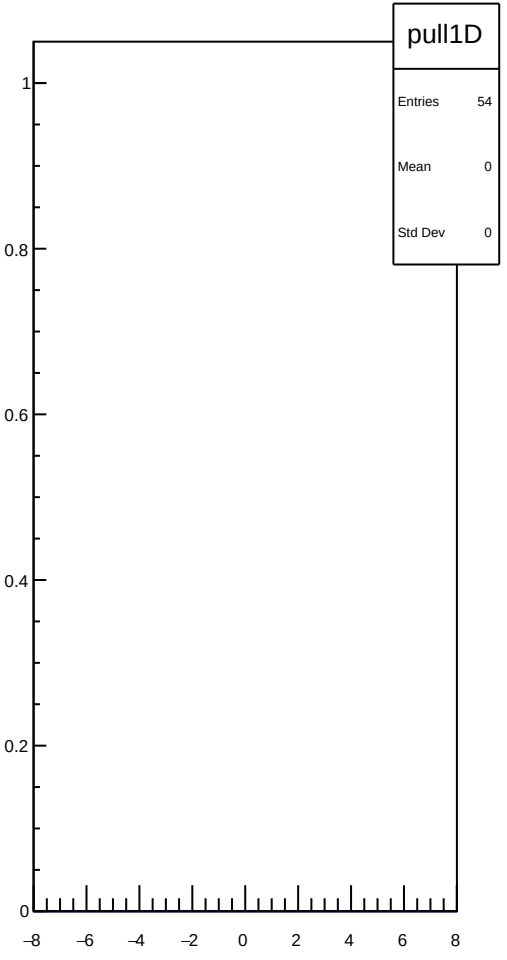

yield_bpm0l09Y_rms vs run
χ² / ndf 8.077e+04 / 53
p0 0.003002 ± 3.093e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

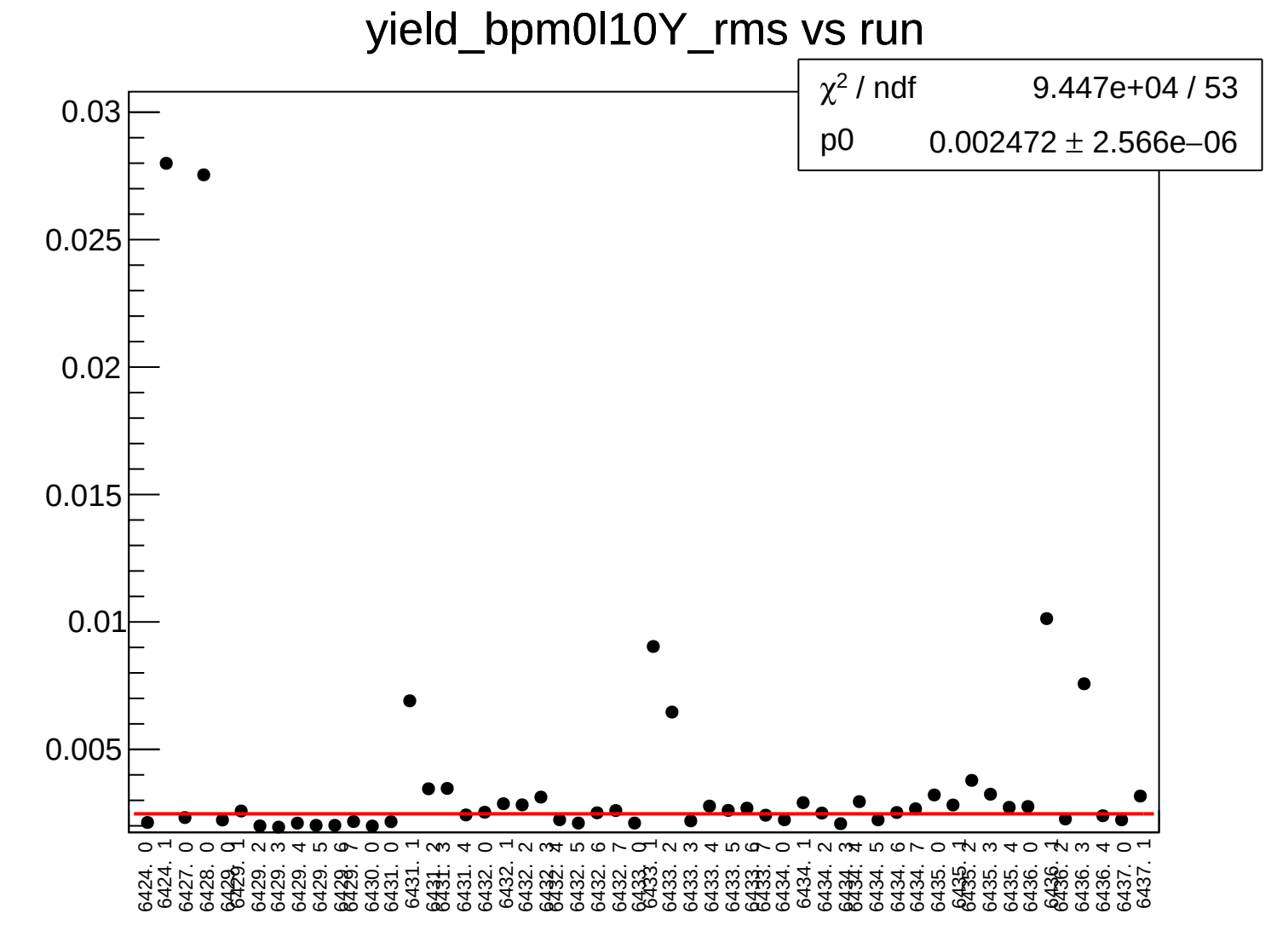

yield_bpm0l10X_mean vs run
χ² / ndf 3.189e+07 / 53
p0 −0.9914 ± 1.738e−05
pull
Entries 54
Mean 332.6
Std Dev 0

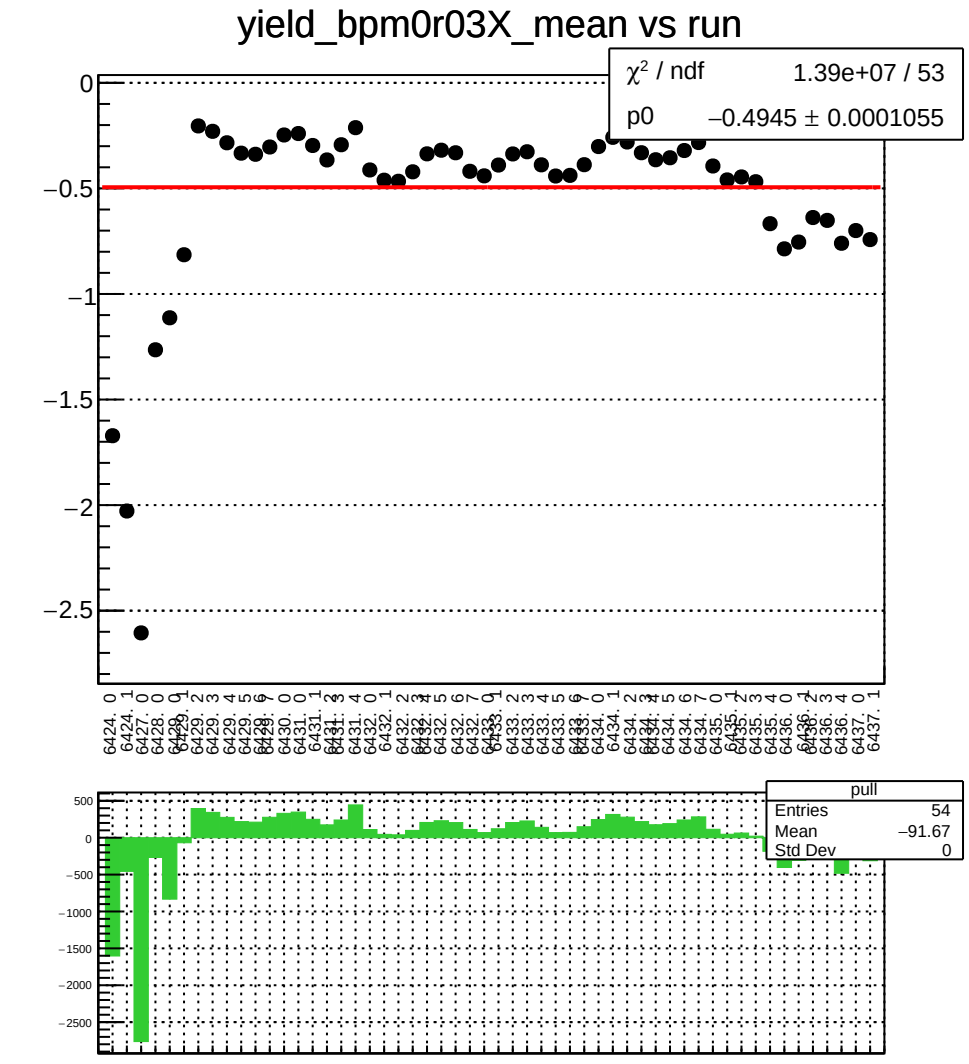

pull1D
Entries 54
Mean −3.692
Std Dev 3.913

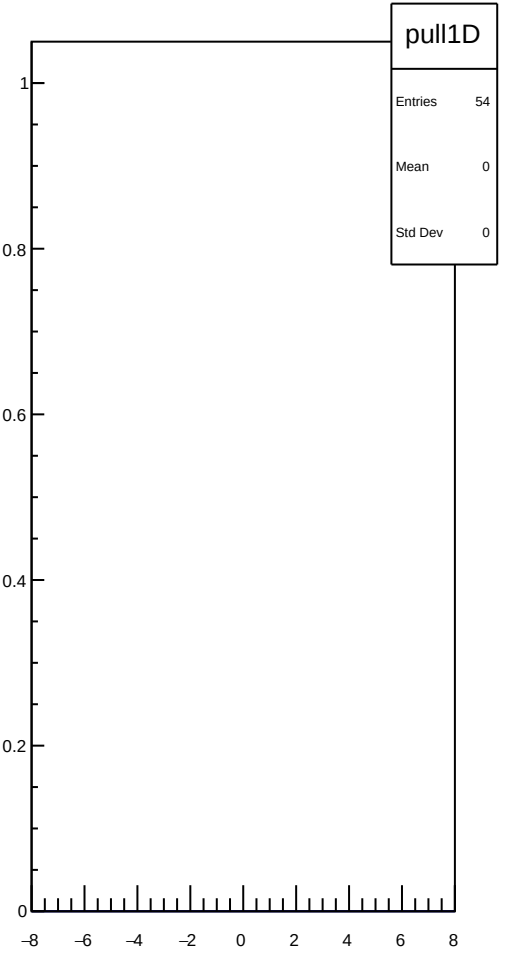

yield_bpm0l10X_rms vs run
χ² / ndf 1.044e+05 / 53
p0 0.01178 ± 1.229e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

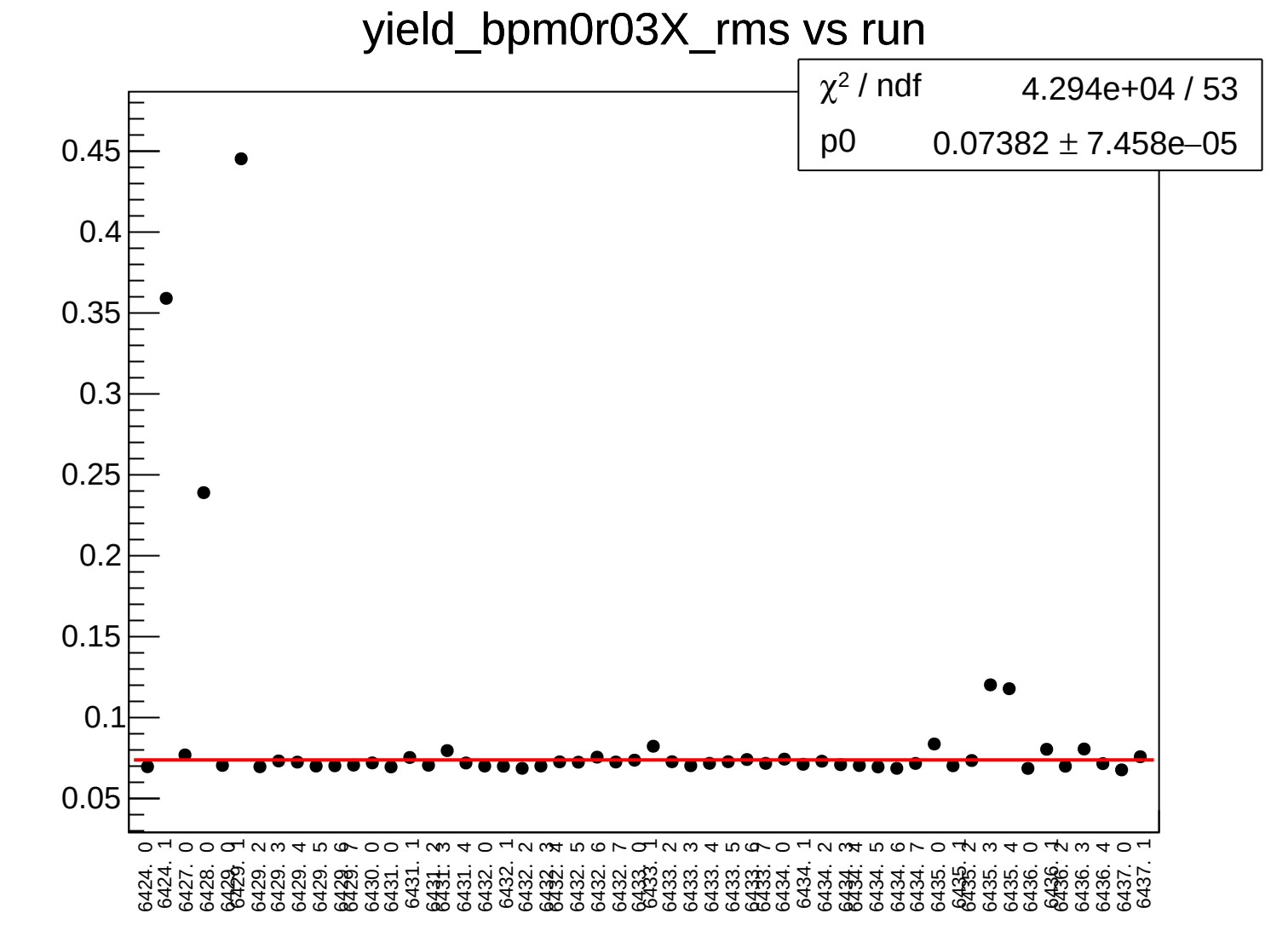

yield_bpm0l10Y_mean vs run
χ² / ndf 6.717e+07 / 53
p0 −0.13 ± 3.628e−06
pull
Entries 54
Mean 256.4
Std Dev 0

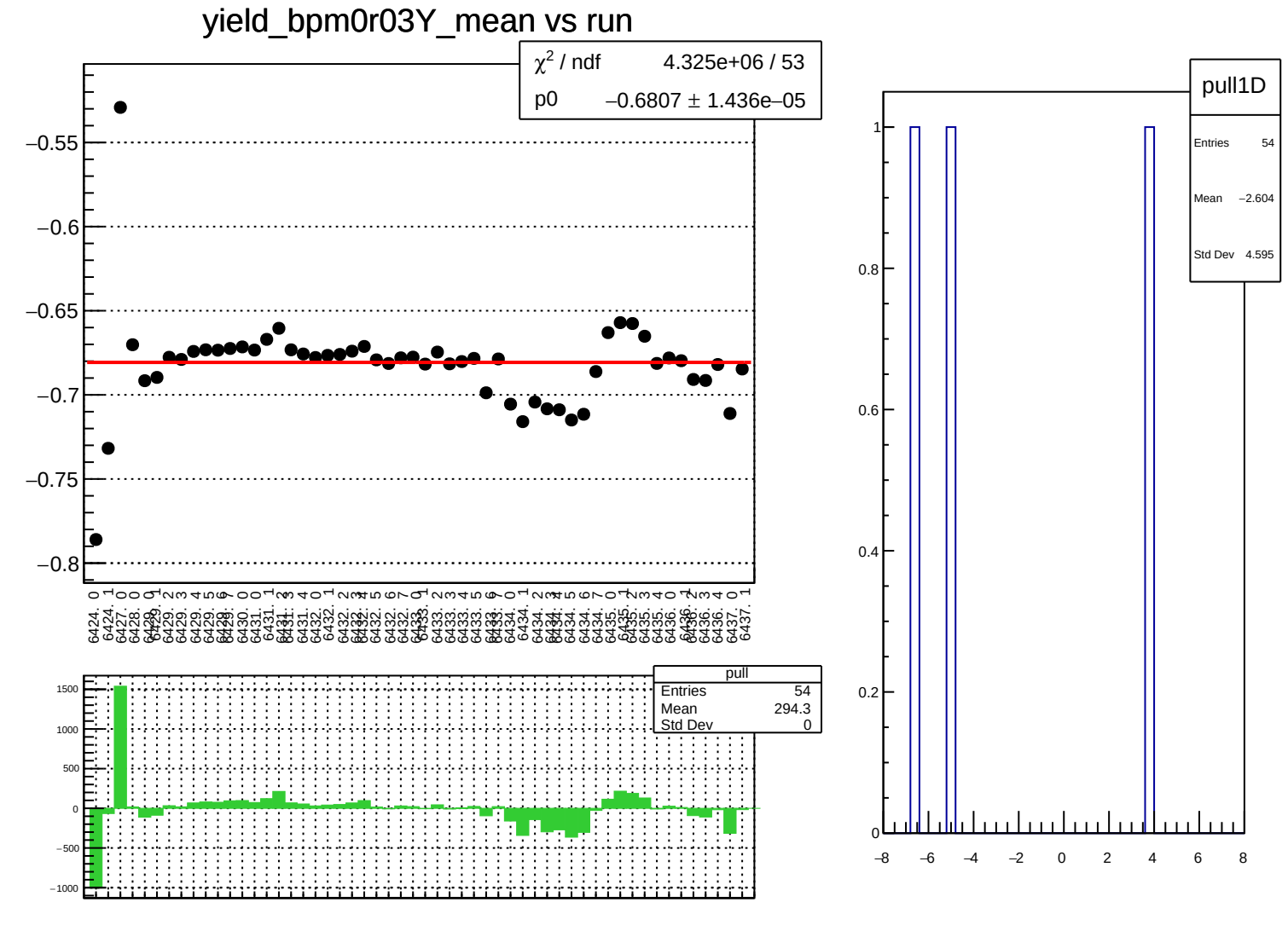

pull1D
Entries 54
Mean 0
Std Dev 0

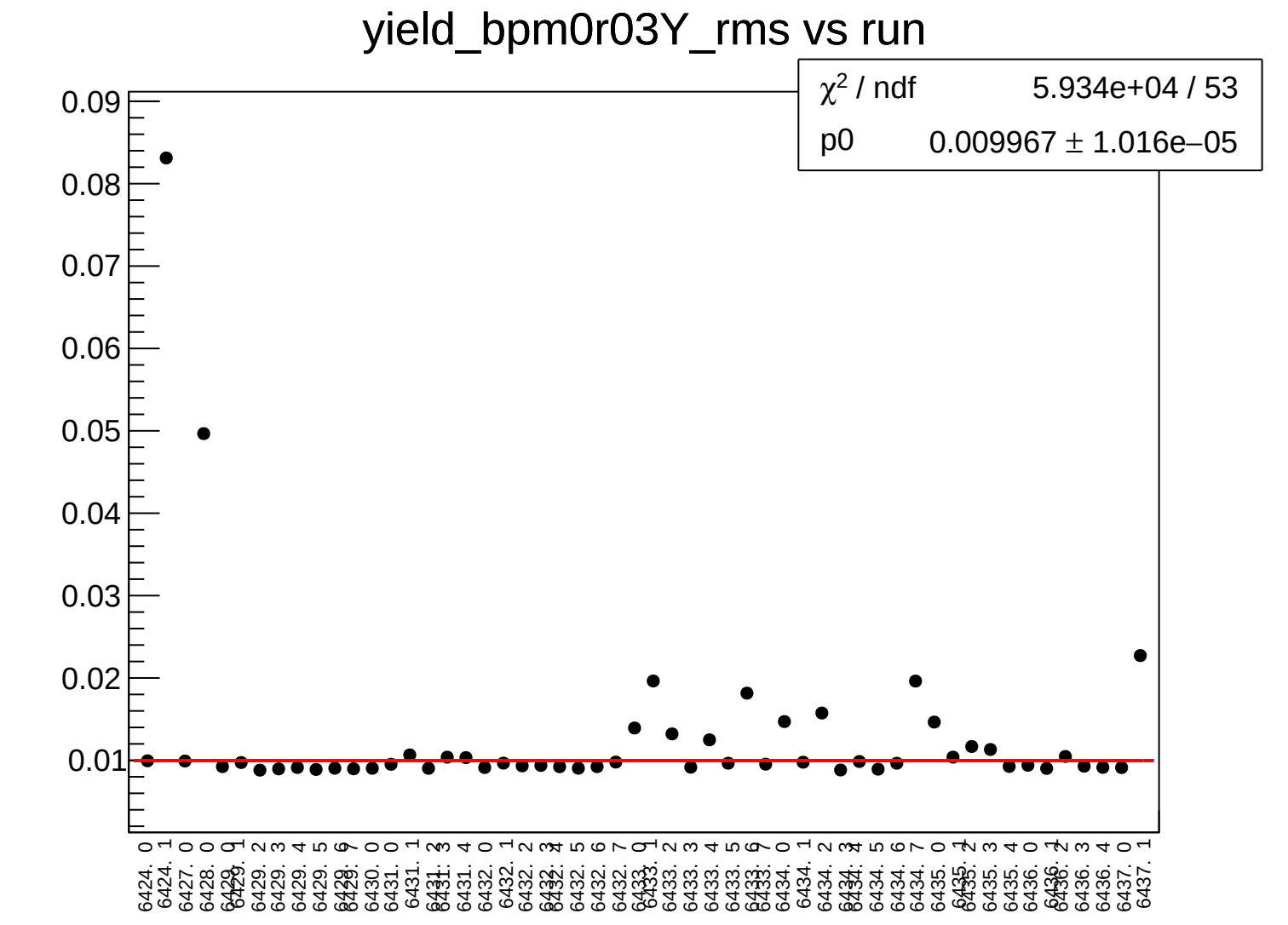

yield_bpm0l10Y_rms vs run
χ² / ndf 9.447e+04 / 53
p0 0.002472 ± 2.566e−06
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

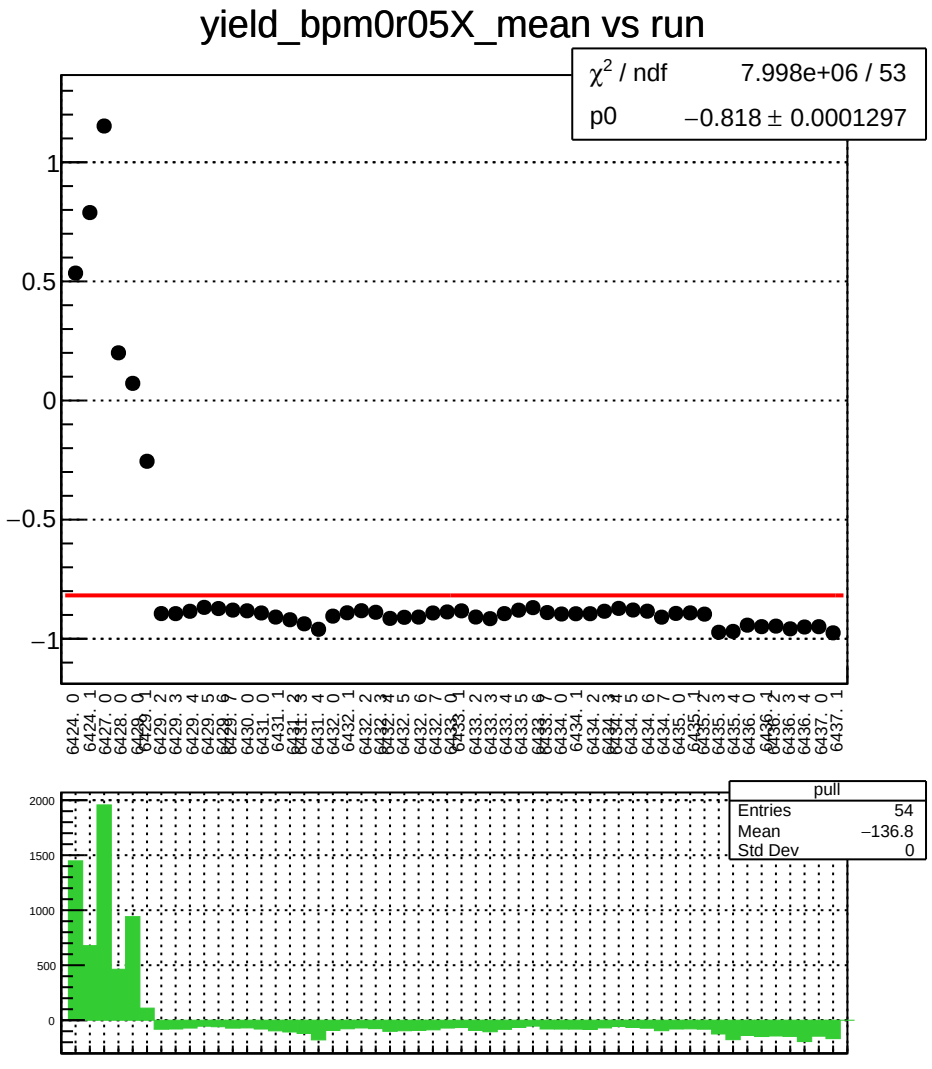

yield_bpm0r03X_mean vs run
χ² / ndf 1.39e+07 / 53
p0 −0.4945 ± 0.0001055
pull
Entries 54
Mean −91.67
Std Dev 0

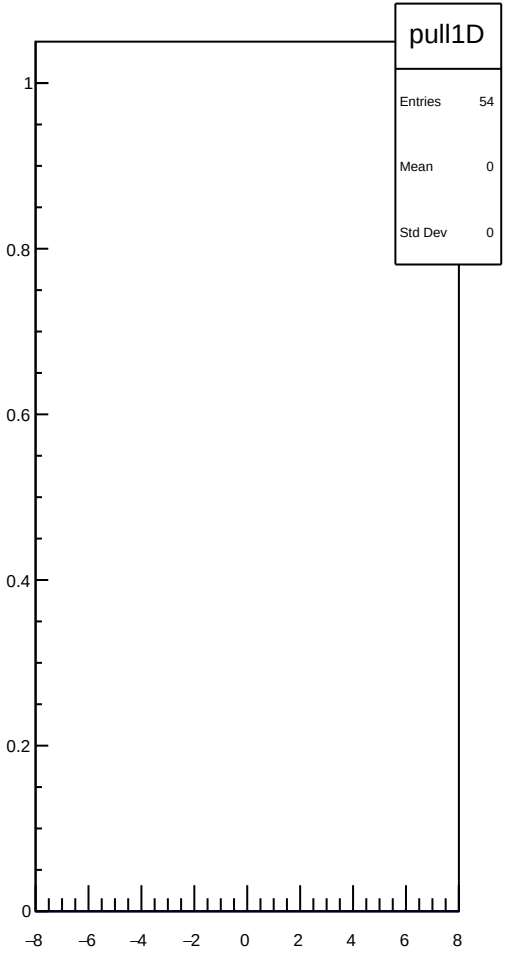

pull1D
Entries 54
Mean 0
Std Dev 0

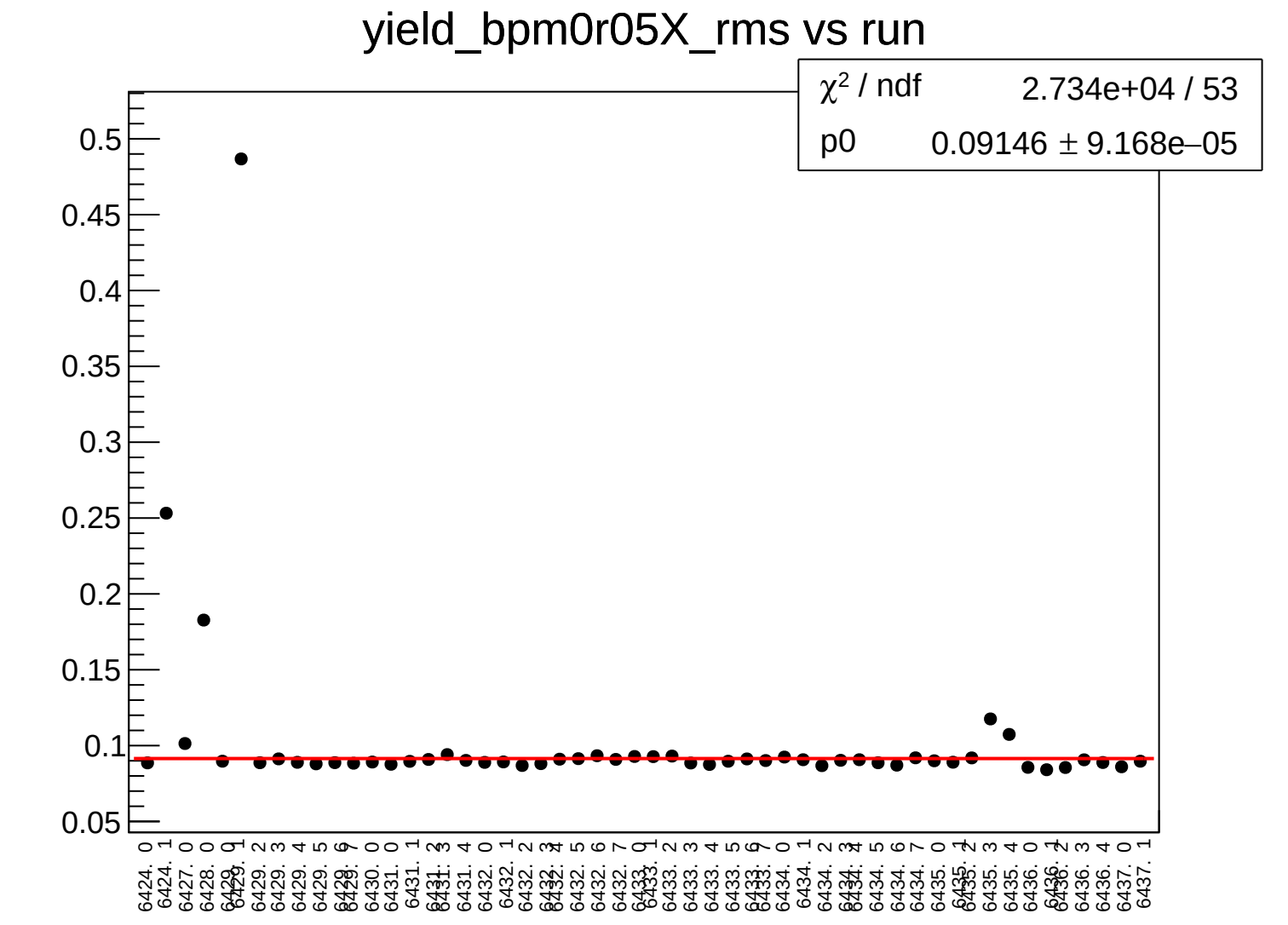

yield_bpm0r03X_rms vs run
χ² / ndf 4.294e+04 / 53
p0 0.07382 ± 7.458e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

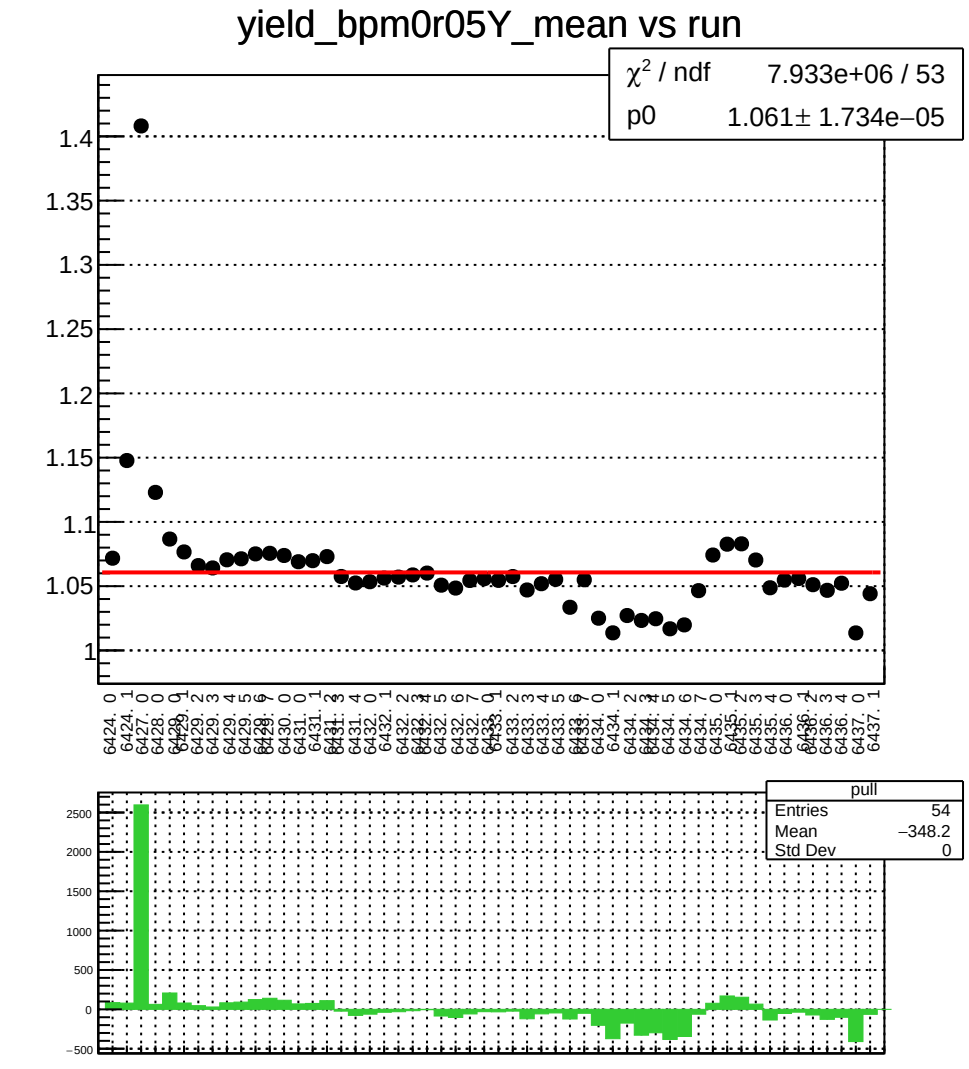

yield_bpm0r03Y_mean vs run
χ² / ndf 4.325e+06 / 53
p0 −0.6807 ± 1.436e−05
−0.55
−0.6
−0.65
−0.7
−0.75
−0.8
pull
Entries 54
Mean 294.3
Std Dev 0
1500
1000
500
0
−500
−1000
pull1D
Entries 54
Mean −2.604
Std Dev 4.595
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

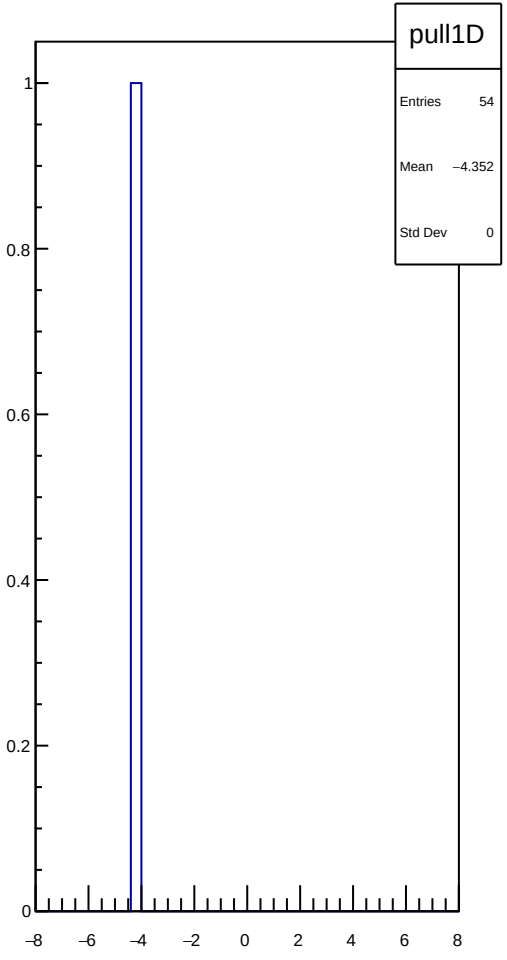

yield_bpm0r03Y_rms vs run
χ² / ndf 5.934e+04 / 53
p0 0.009967 ± 1.016e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

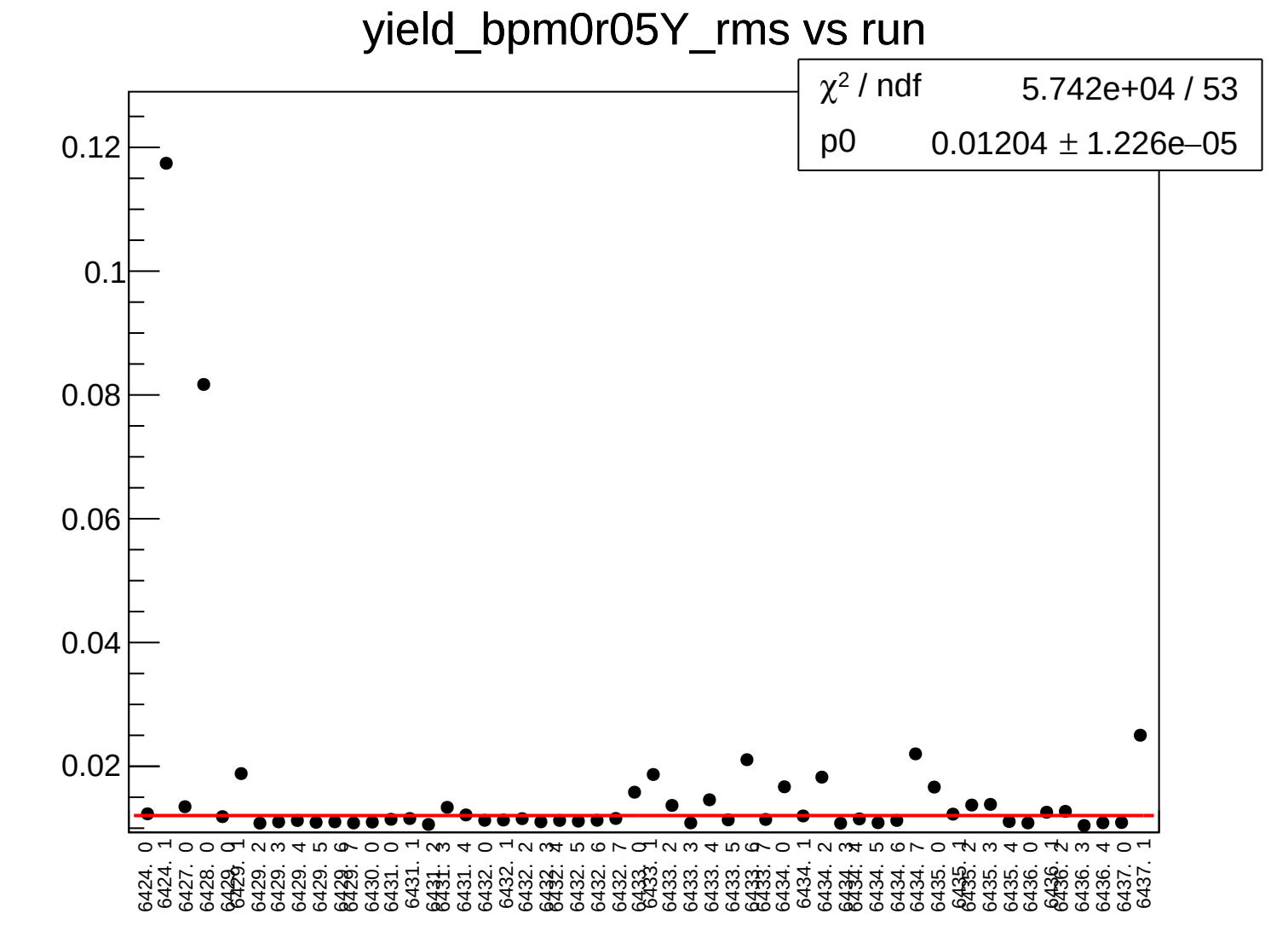

yield_bpm0r05X_mean vs run
χ² / ndf 7.998e+06 / 53
p0 −0.818 ± 0.0001297
pull
Entries 54
Mean −136.8
Std Dev 0

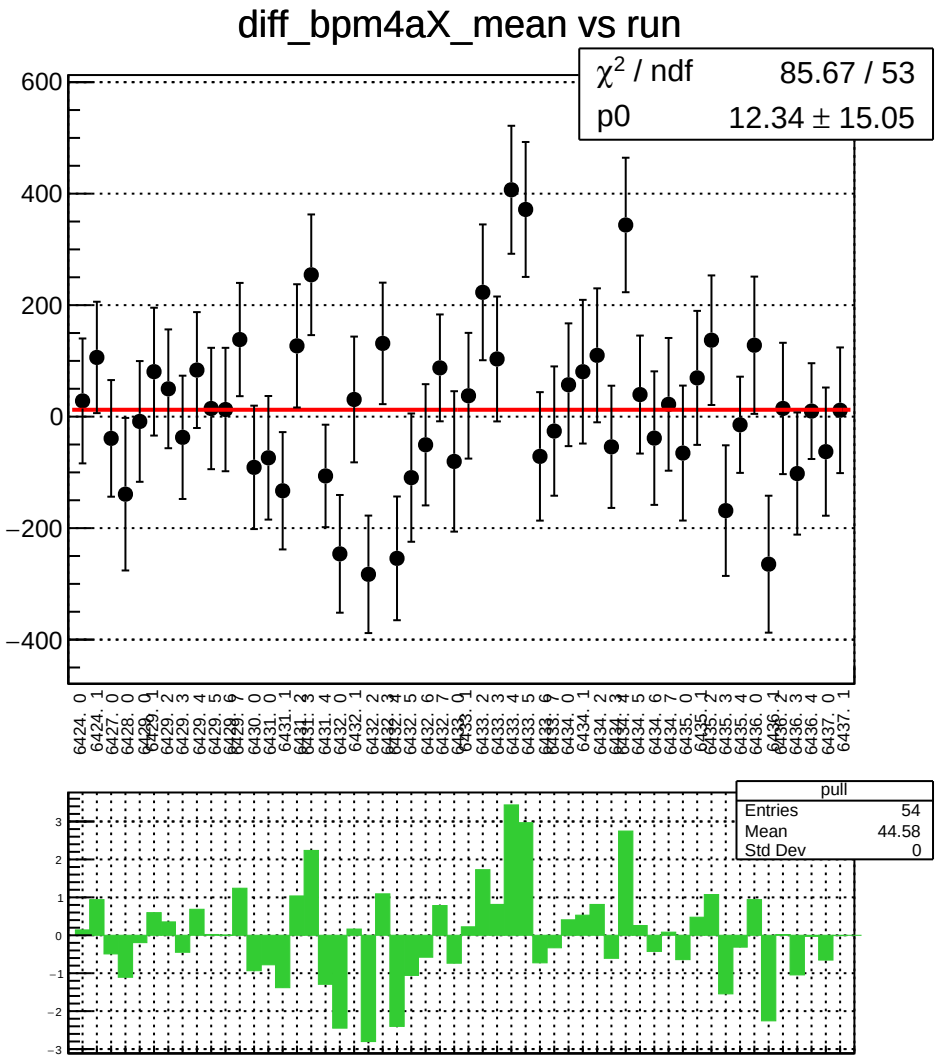

pull1D
Entries 54
Mean 0
Std Dev 0

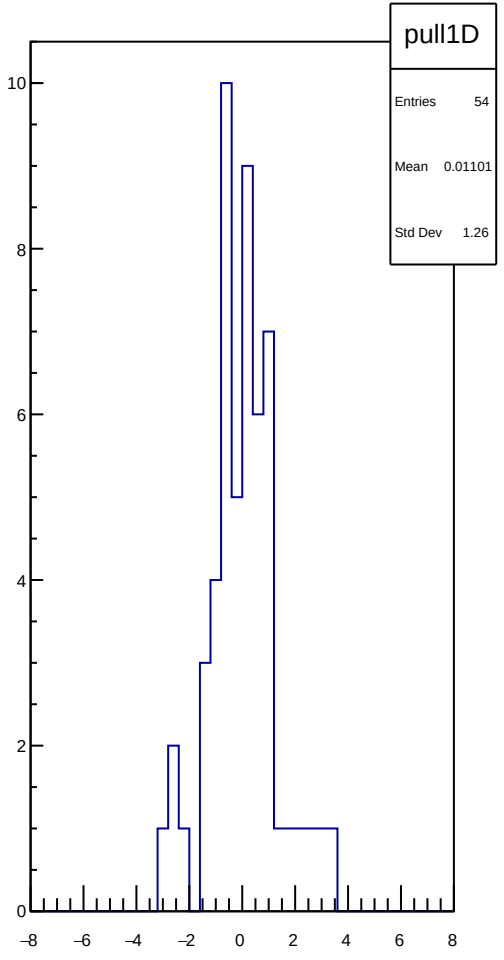

yield_bpm0r05X_rms vs run
χ² / ndf 2.734e+04 / 53
p0 0.09146 ± 9.168e–05
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

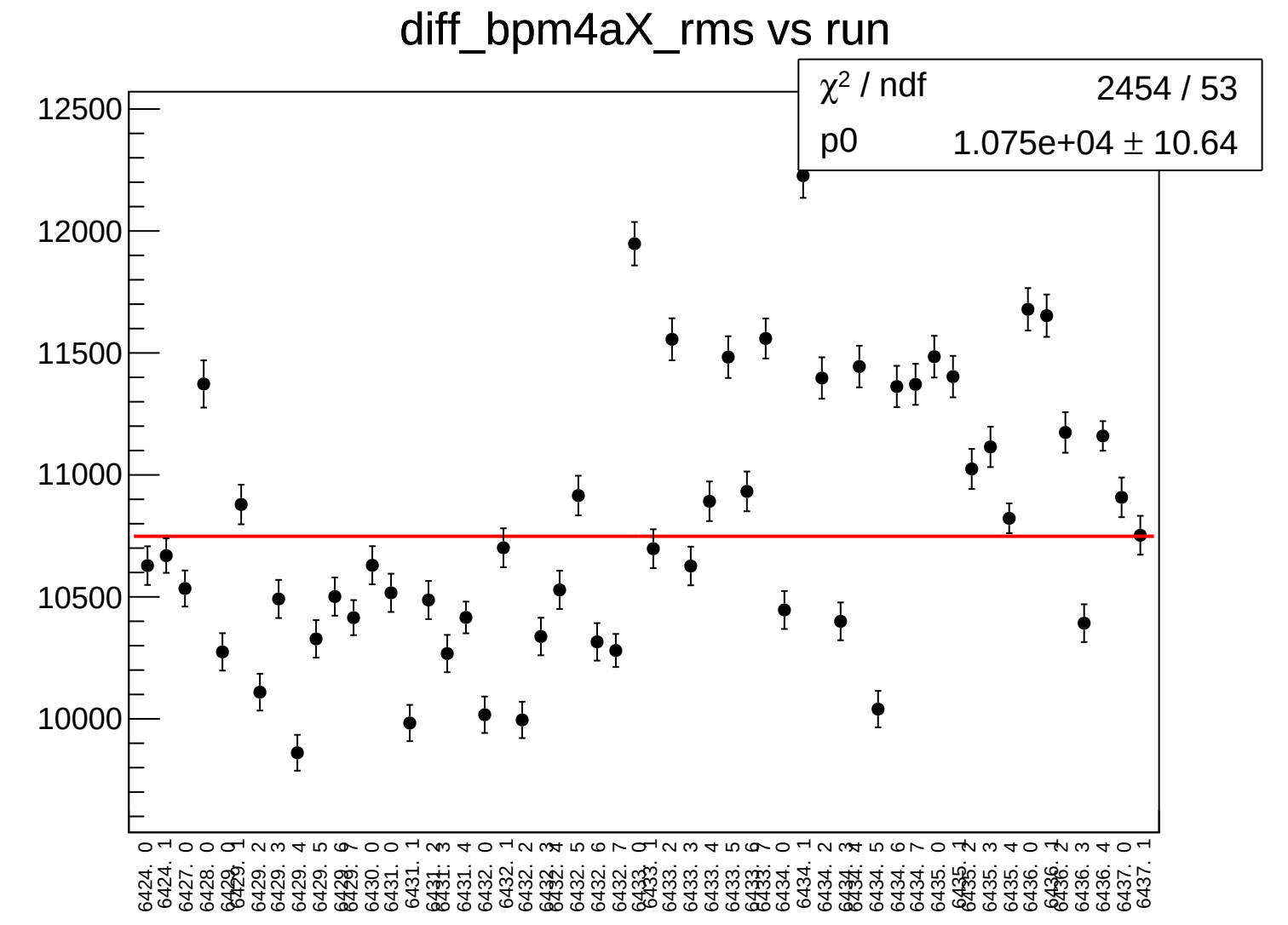

yield_bpm0r05Y_mean vs run
χ² / ndf 7.933e+06 / 53
p0 1.061± 1.734e−05
pull
Entries 54
Mean −348.2
Std Dev 0

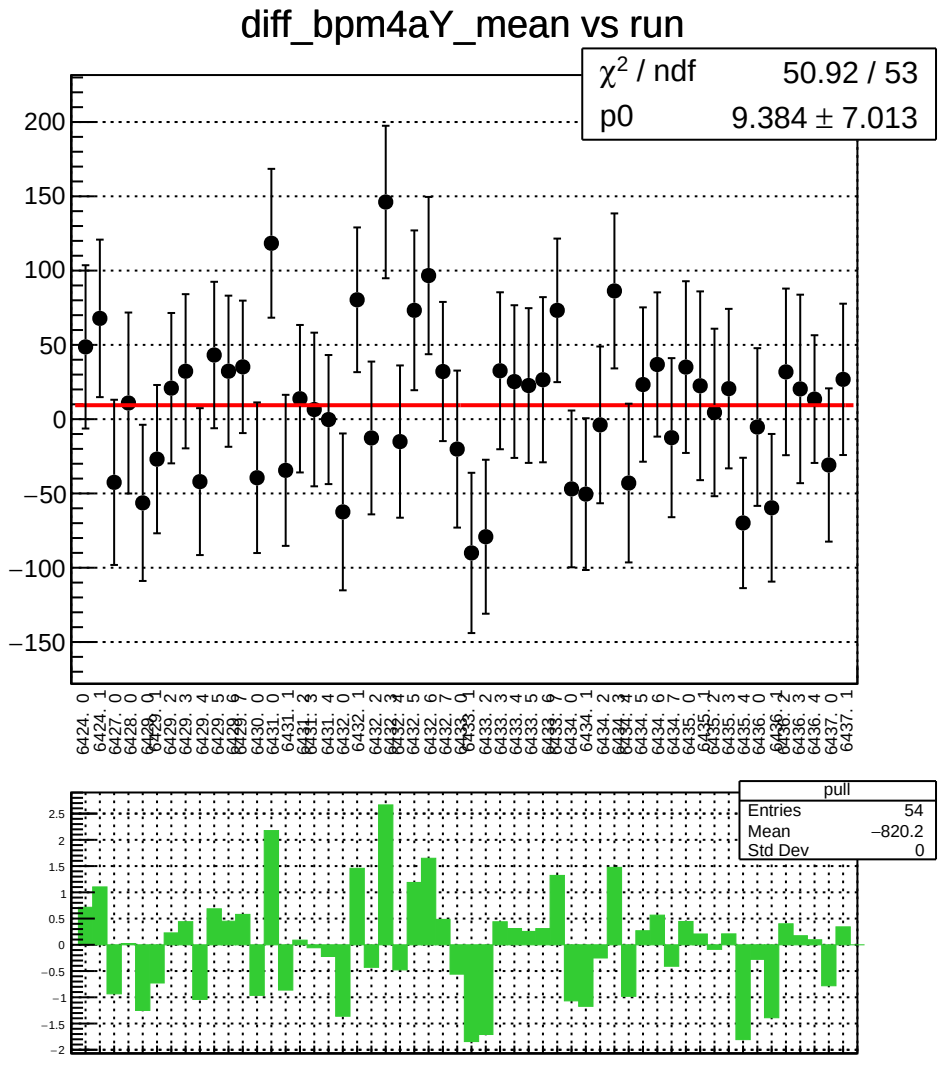

pull1D
Entries 54
Mean −4.352
Std Dev 0

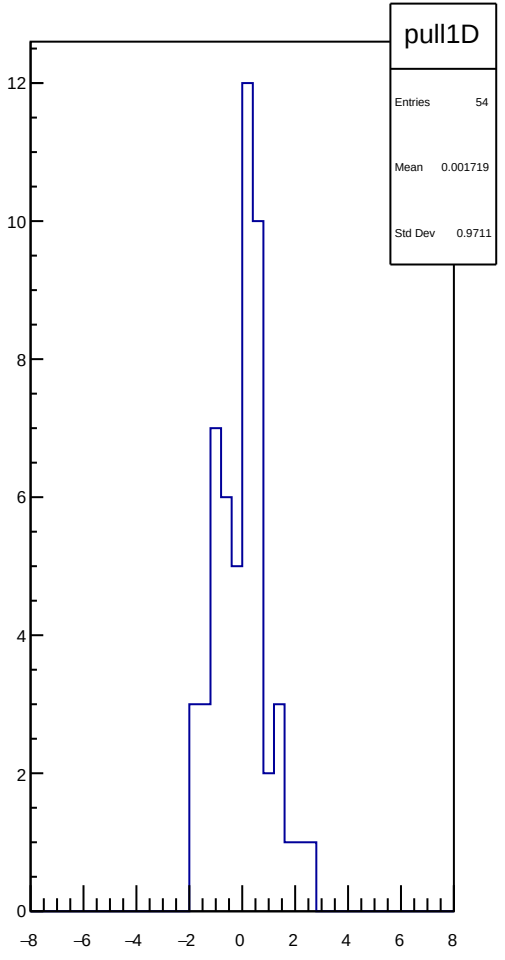

yield_bpm0r05Y_rms vs run
χ² / ndf 5.742e+04 / 53
p0 0.01204 ± 1.226e–05
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

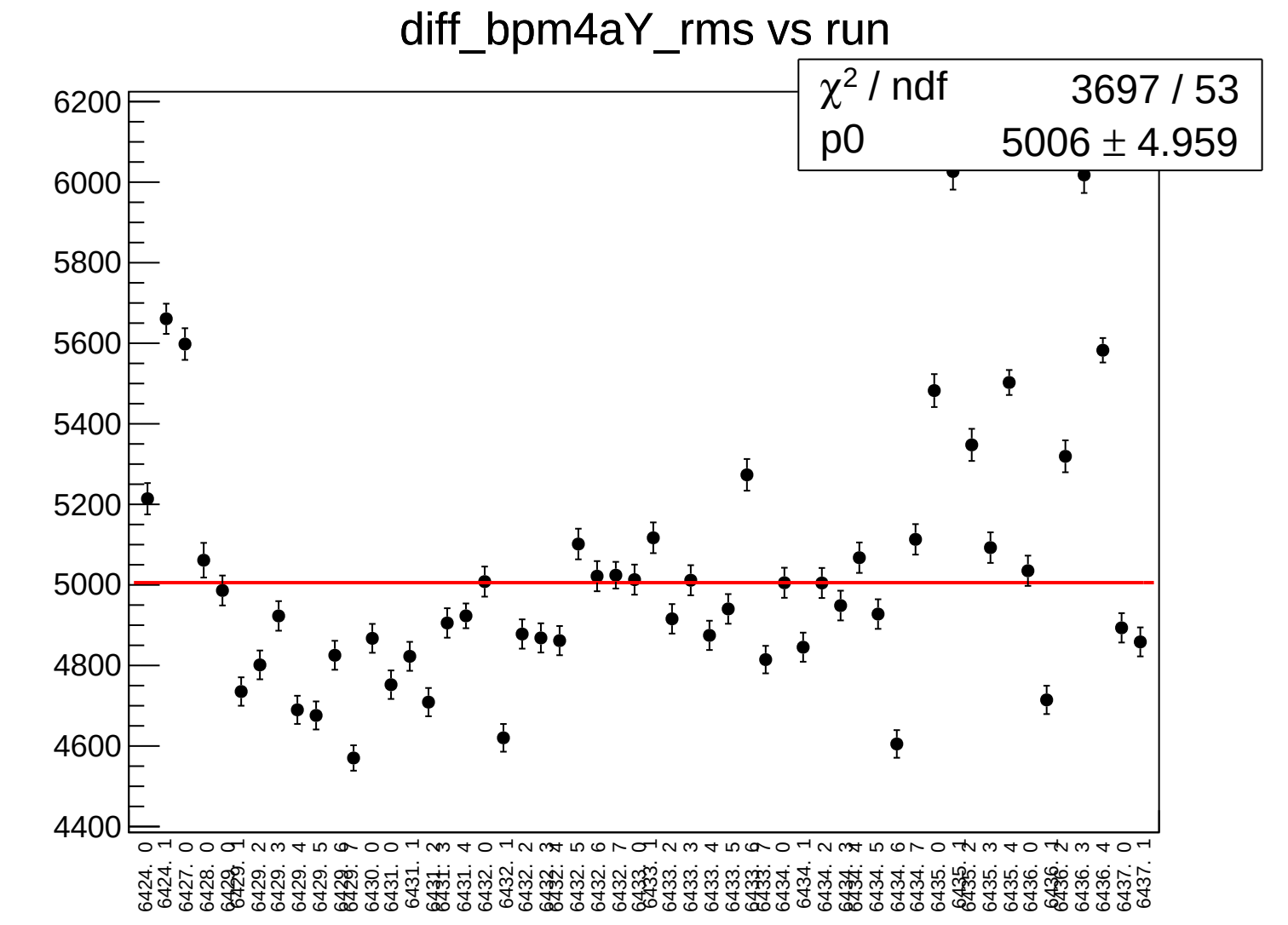

diff_bpm4aX_mean vs run
χ² / ndf 85.67 / 53
p0 12.34 ± 15.05
pull
Entries 54
Mean 44.58
Std Dev 0

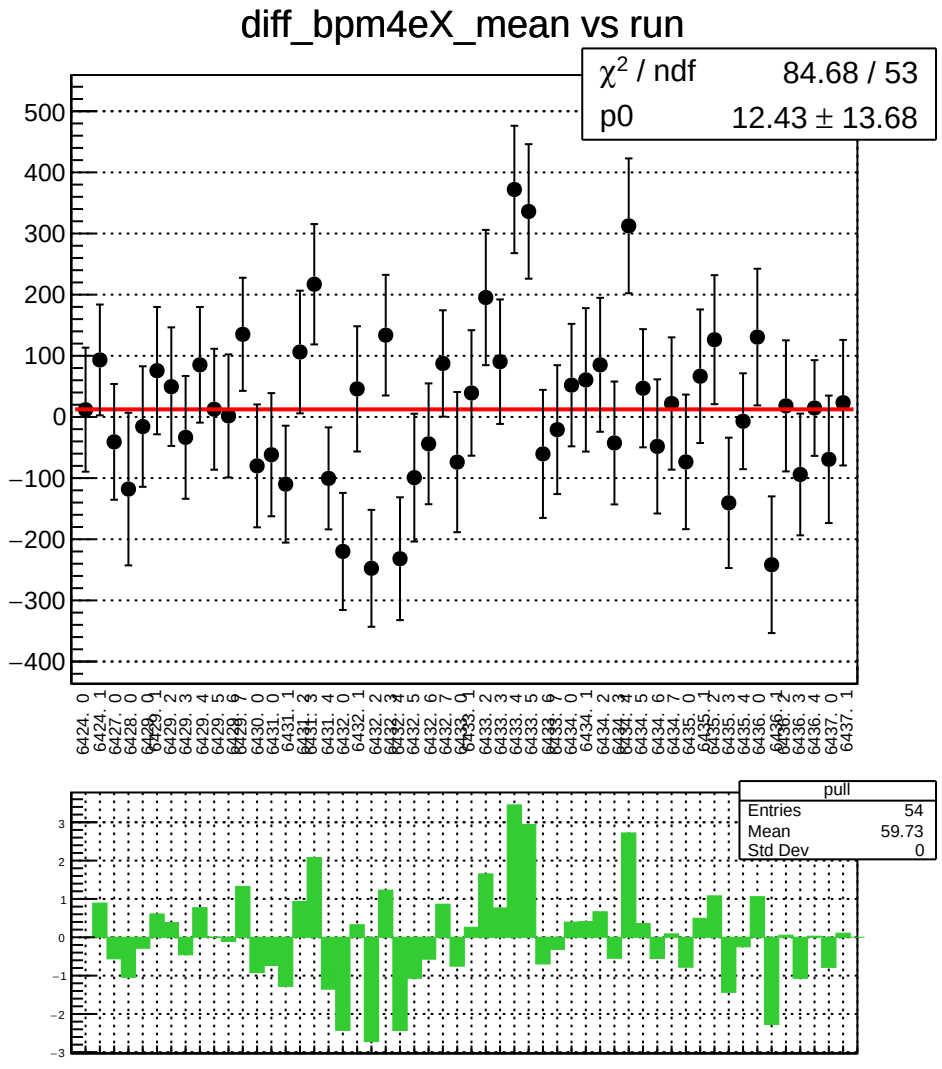

pull1D
Entries 54
Mean 0.01101
Std Dev 1.26

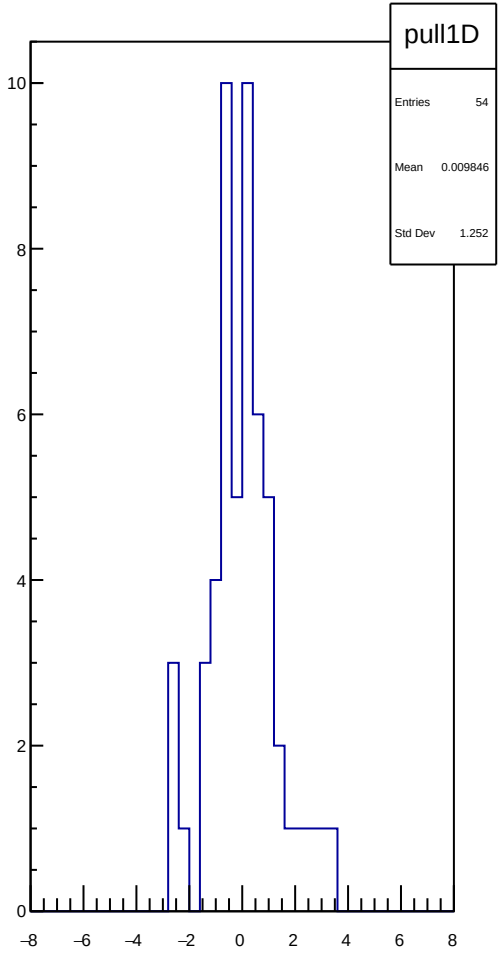

diff_bpm4aX_rms vs run
χ² / ndf 2454 / 53
p0 1.075e+04 ± 10.64
12500
12000
11500
11000
10500
10000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

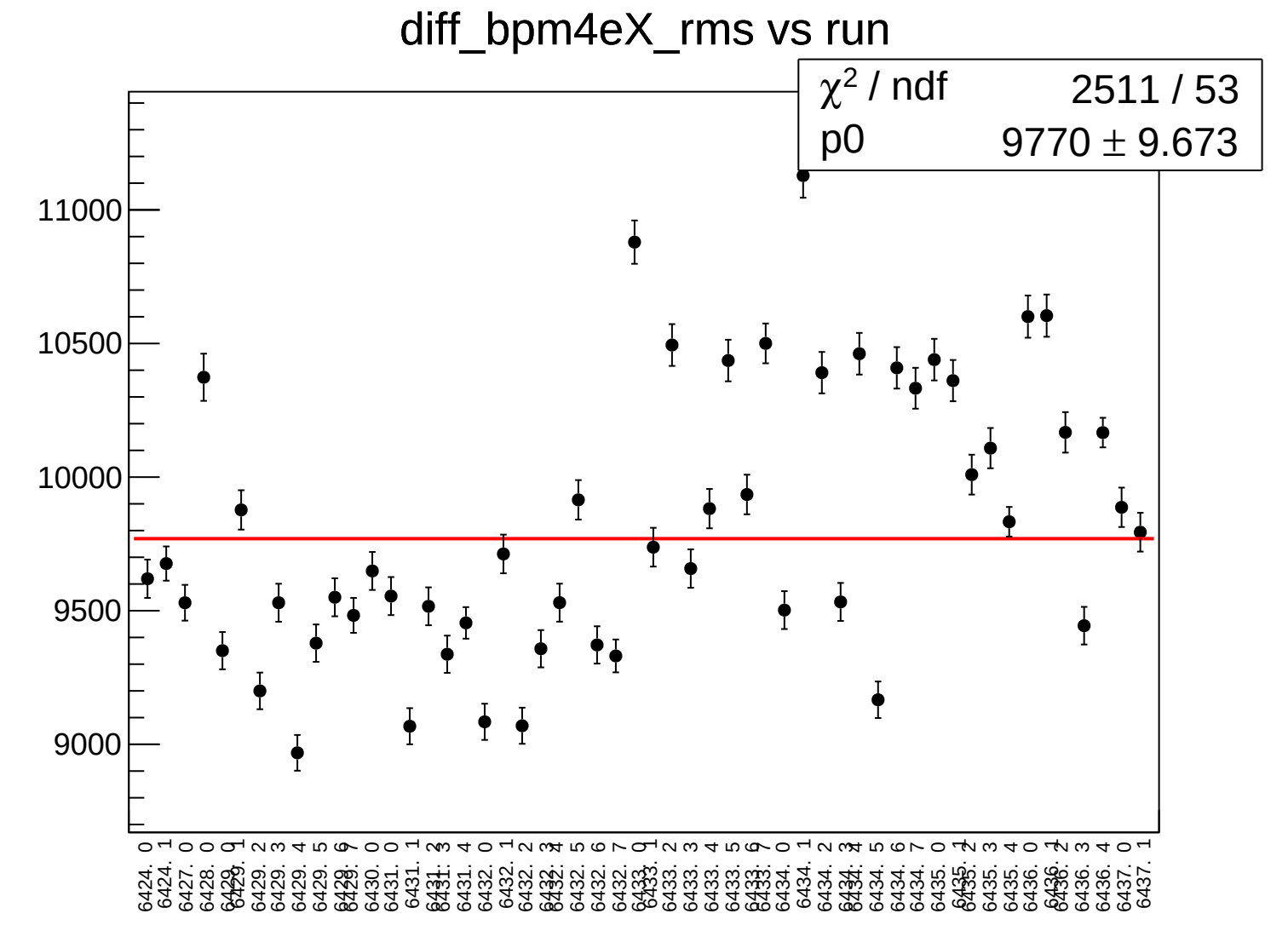

diff_bpm4aY_mean vs run
χ² / ndf 50.92 / 53
p0 9.384 ± 7.013
pull
Entries 54
Mean –820.2
Std Dev 0

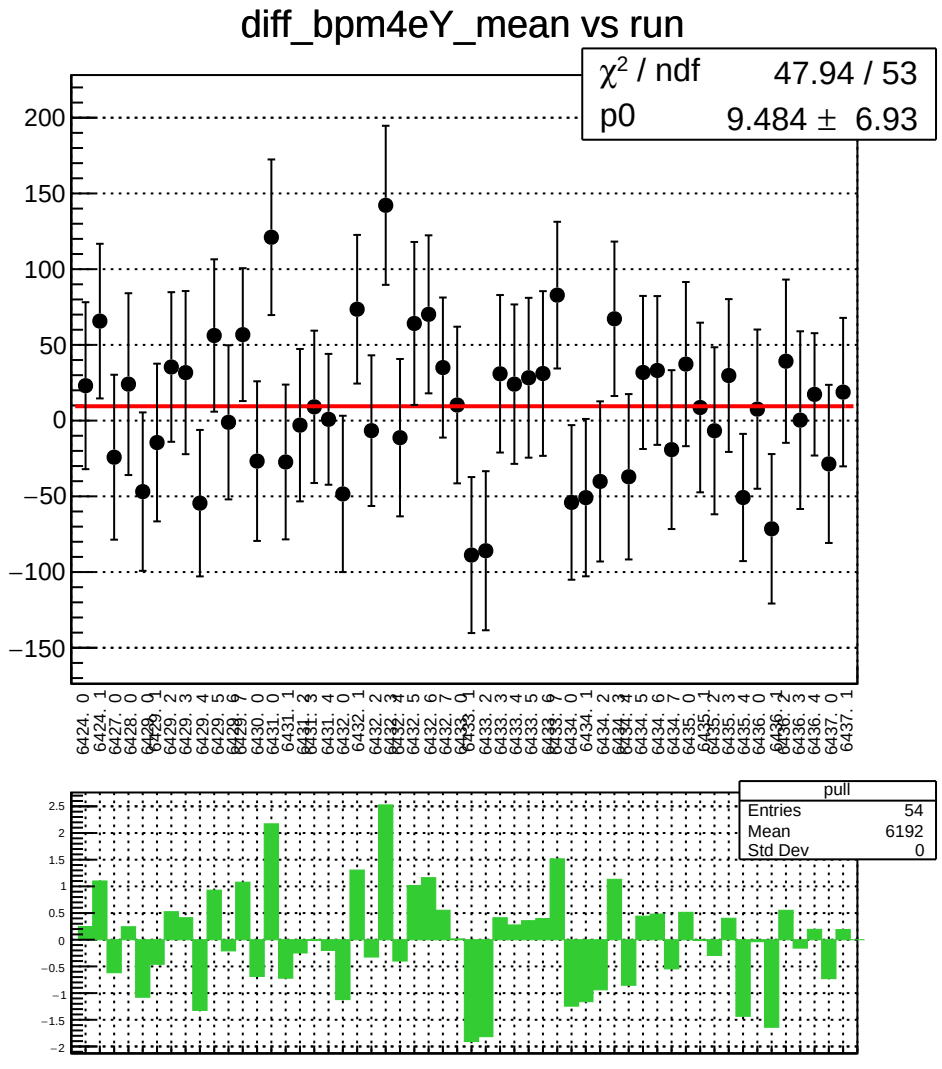

pull1D
Entries 54
Mean 0.001719
Std Dev 0.9711

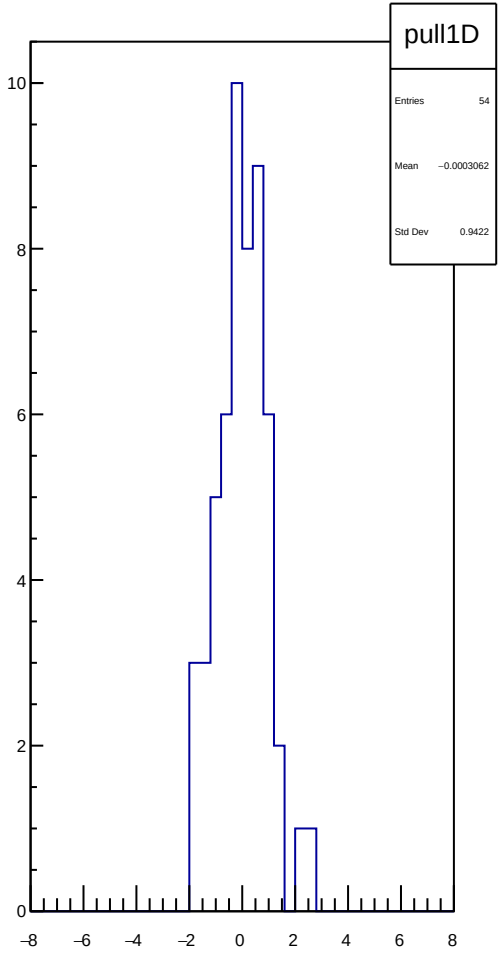

diff_bpm4aY_rms vs run
χ² / ndf 3697 / 53
p0 5006 ± 4.959
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

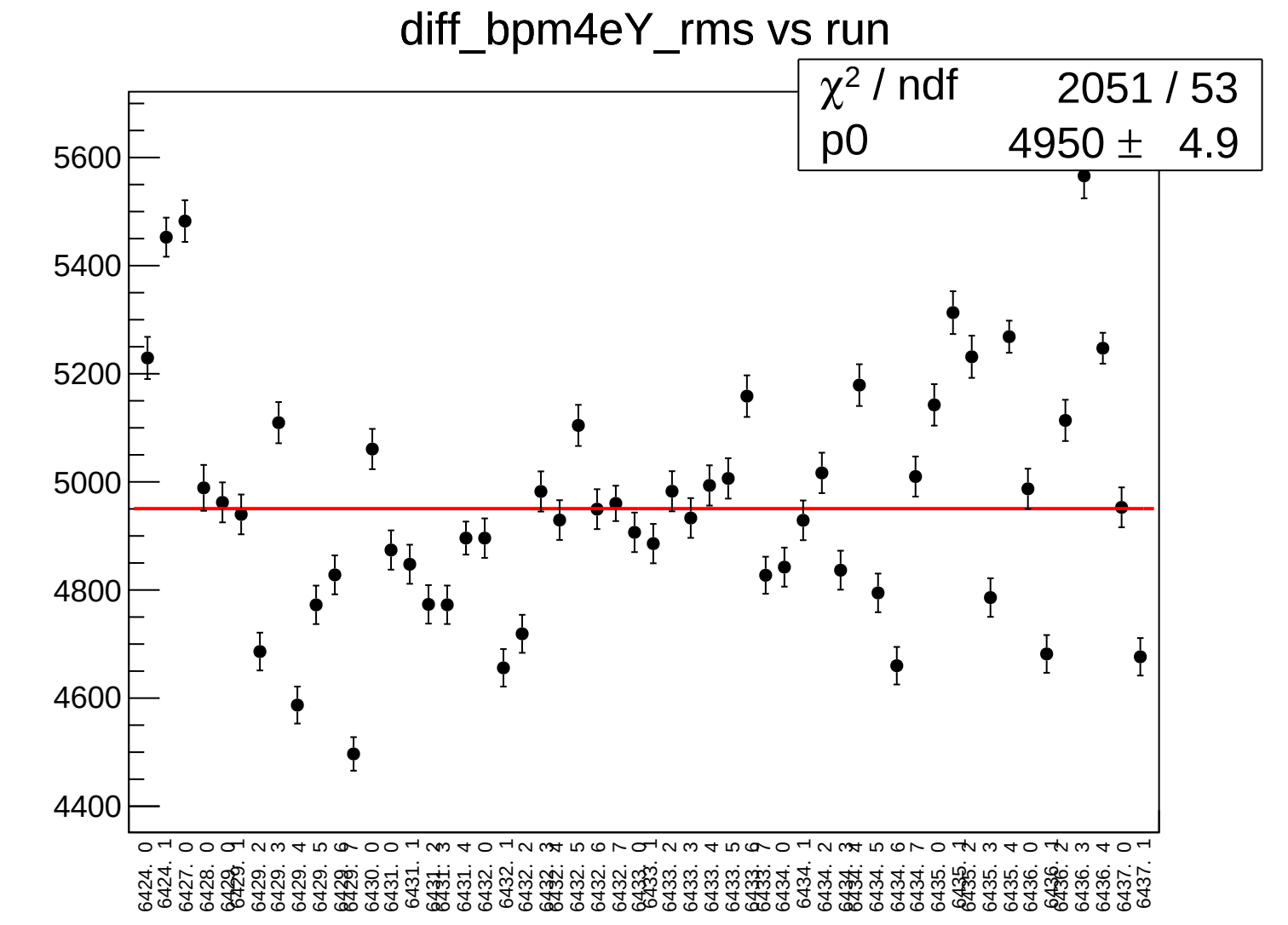

diff_bpm4eX_mean vs run
χ² / ndf 84.68 / 53
p0 12.43 ± 13.68
pull
Entries 54
Mean 59.73
Std Dev 0

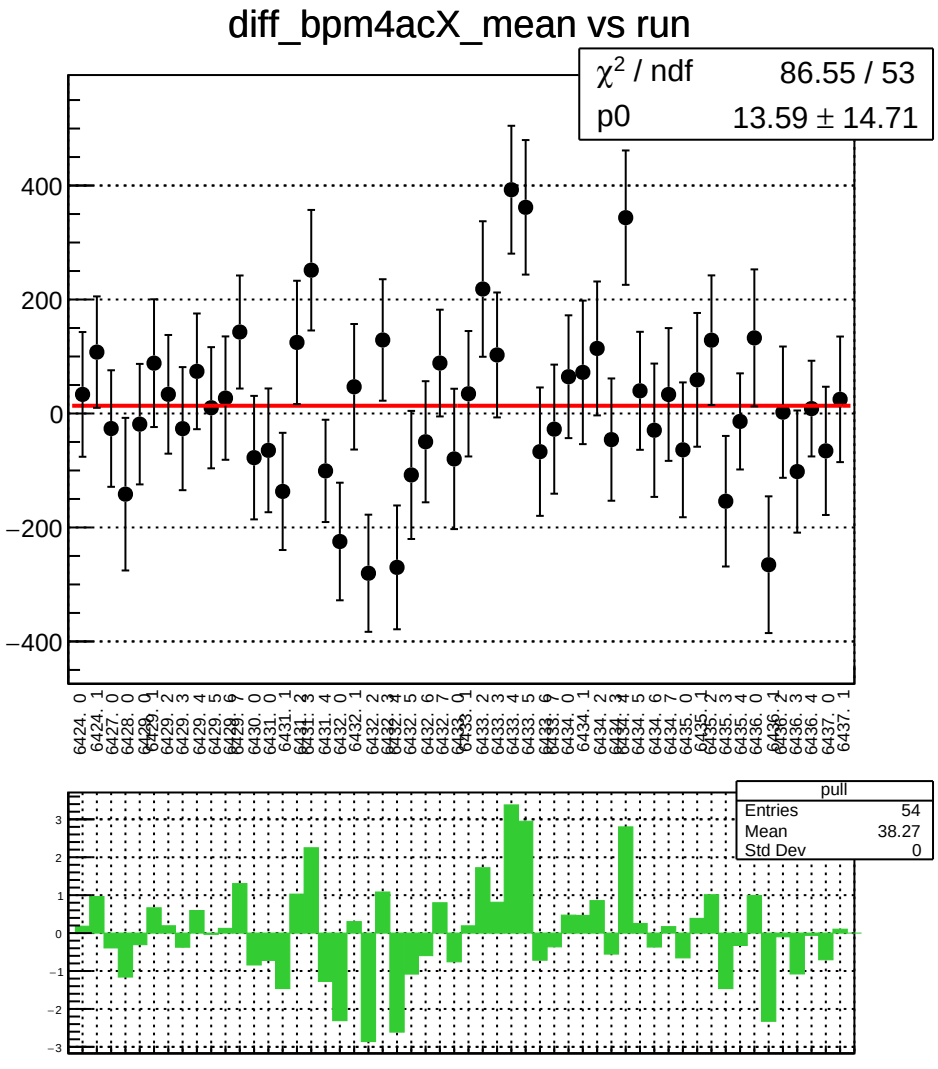

pull1D
Entries 54
Mean 0.009846
Std Dev 1.252

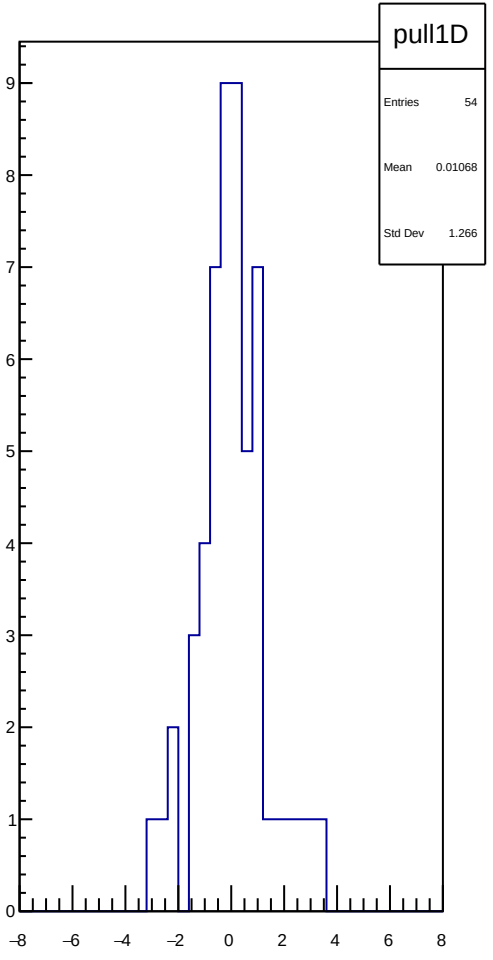

diff_bpm4eX_rms vs run
χ² / ndf 2511 / 53
p0 9770 ± 9.673
11000
10500
10000
9500
9000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

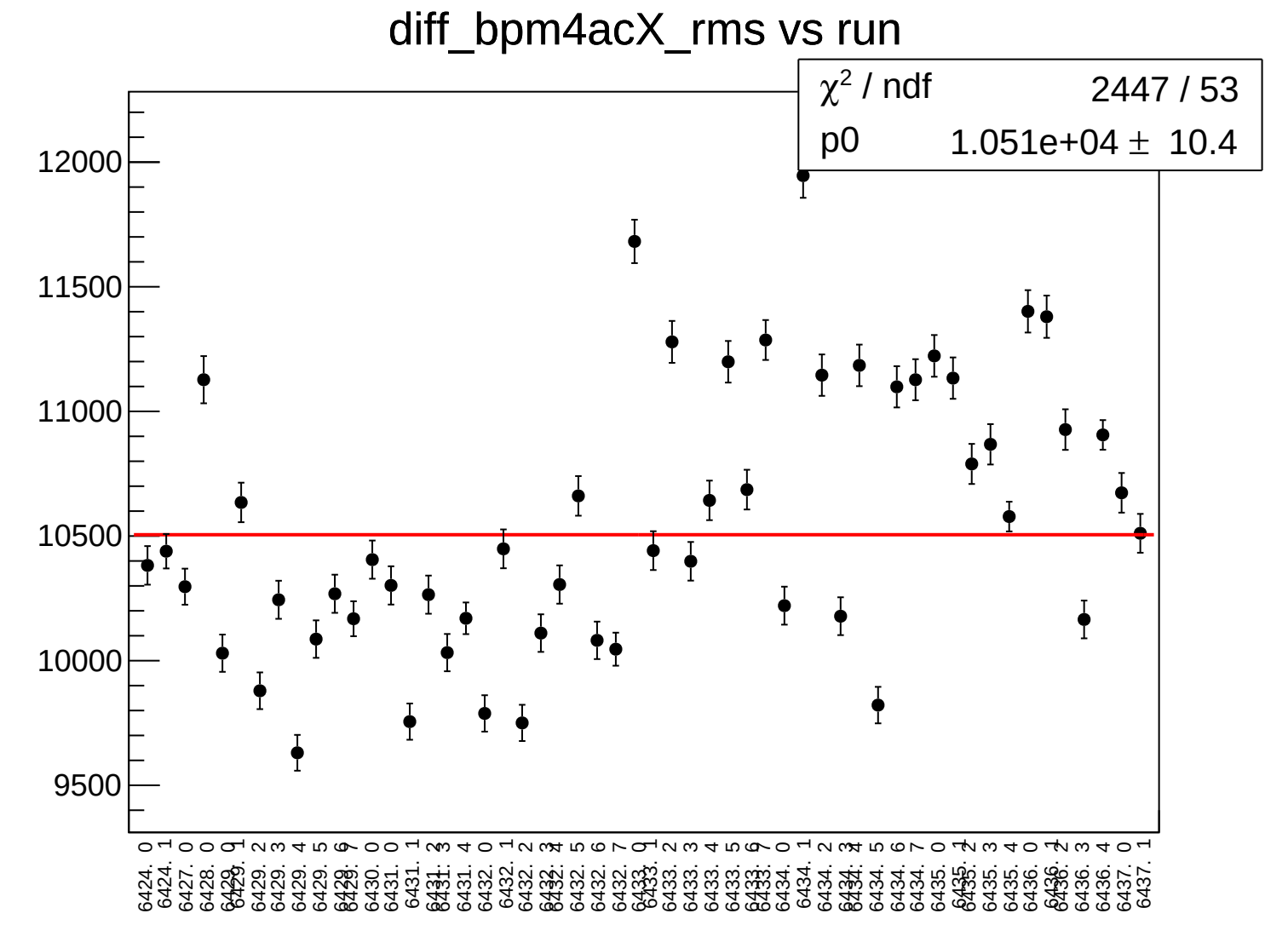

diff_bpm4eY_mean vs run
χ² / ndf 47.94 / 53
p0 9.484 ± 6.93
pull
Entries 54
Mean 6192
Std Dev 0

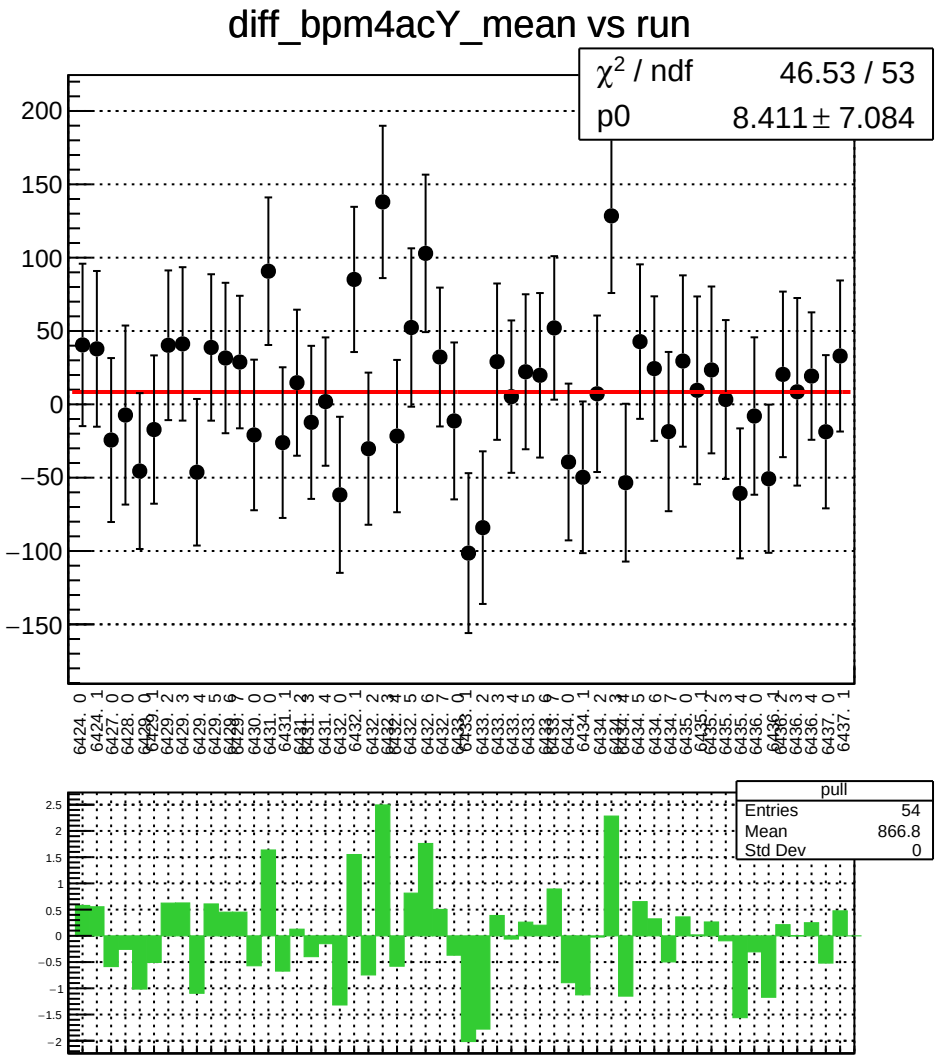

pull1D
Entries 54
Mean −0.0003062
Std Dev 0.9422

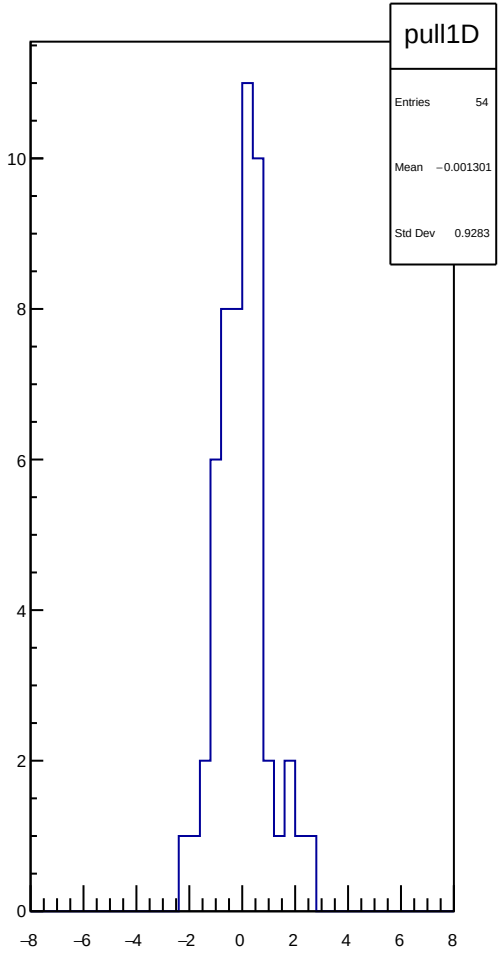

diff_bpm4eY_rms vs run
χ² / ndf 2051 / 53
p0 4950 ± 4.9
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

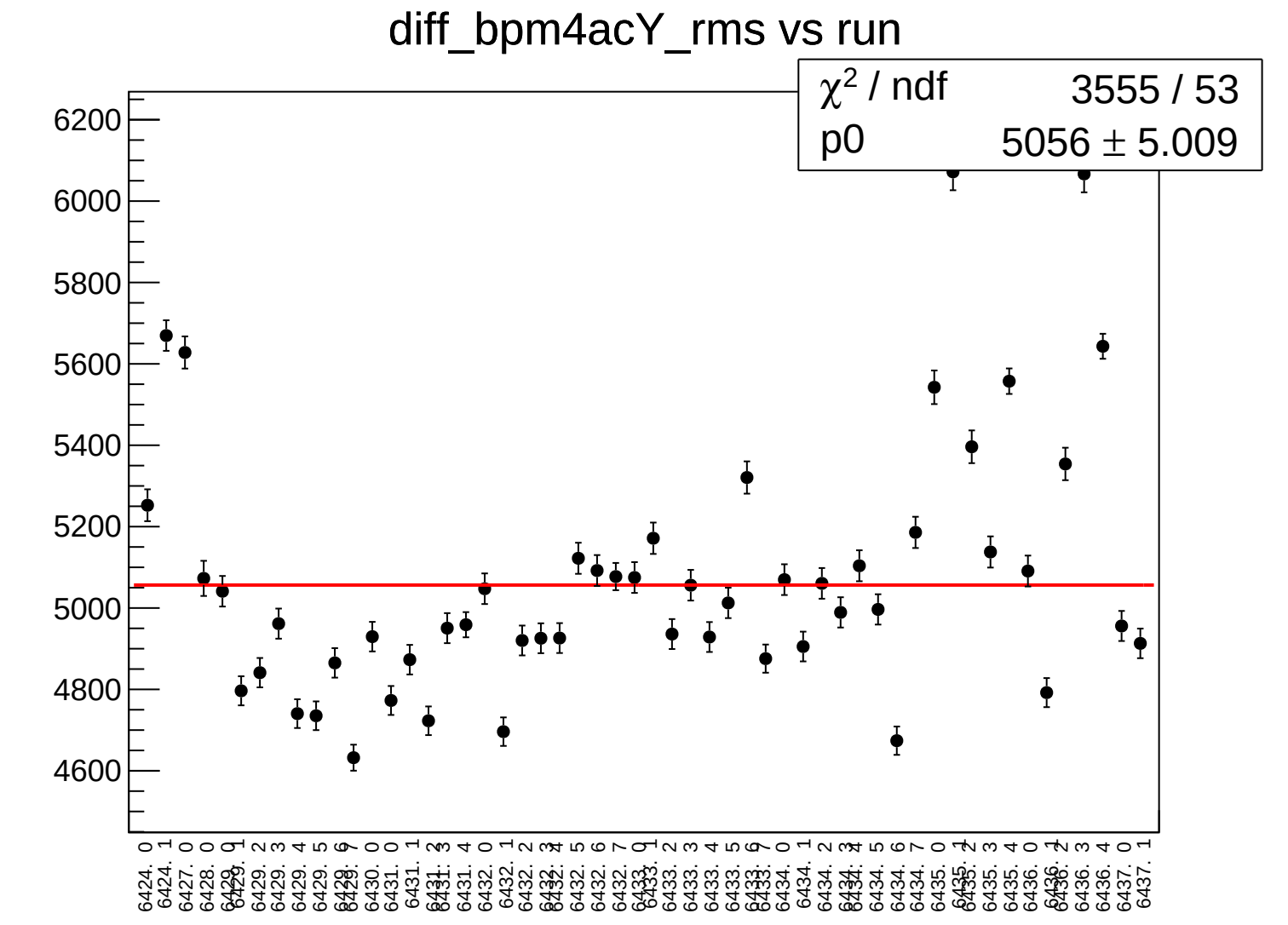

diff_bpm4acX_mean vs run
χ² / ndf 86.55 / 53
p0 13.59 ± 14.71
400
200
0
−200
−400
pull
Entries 54
Mean 38.27
Std Dev 0
3
2
1
0
−1
−2
−3

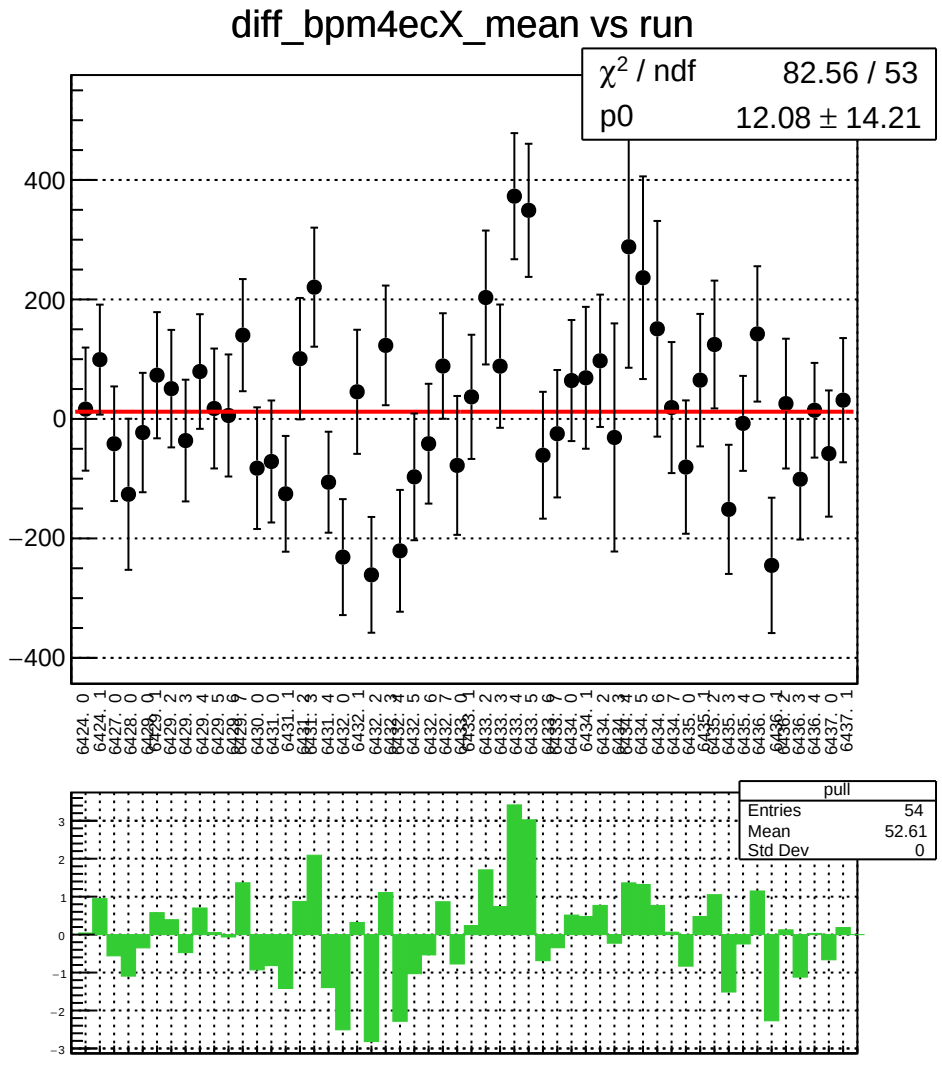

pull1D
Entries 54
Mean 0.01068
Std Dev 1.266
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

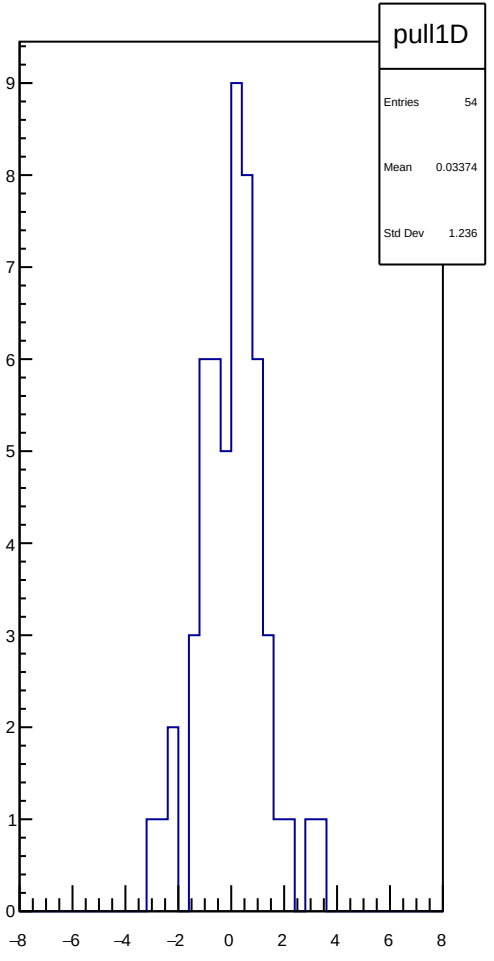

diff_bpm4acX_rms vs run
χ² / ndf 2447 / 53
p0 1.051e+04 ± 10.4
12000
11500
11000
10500
10000
9500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

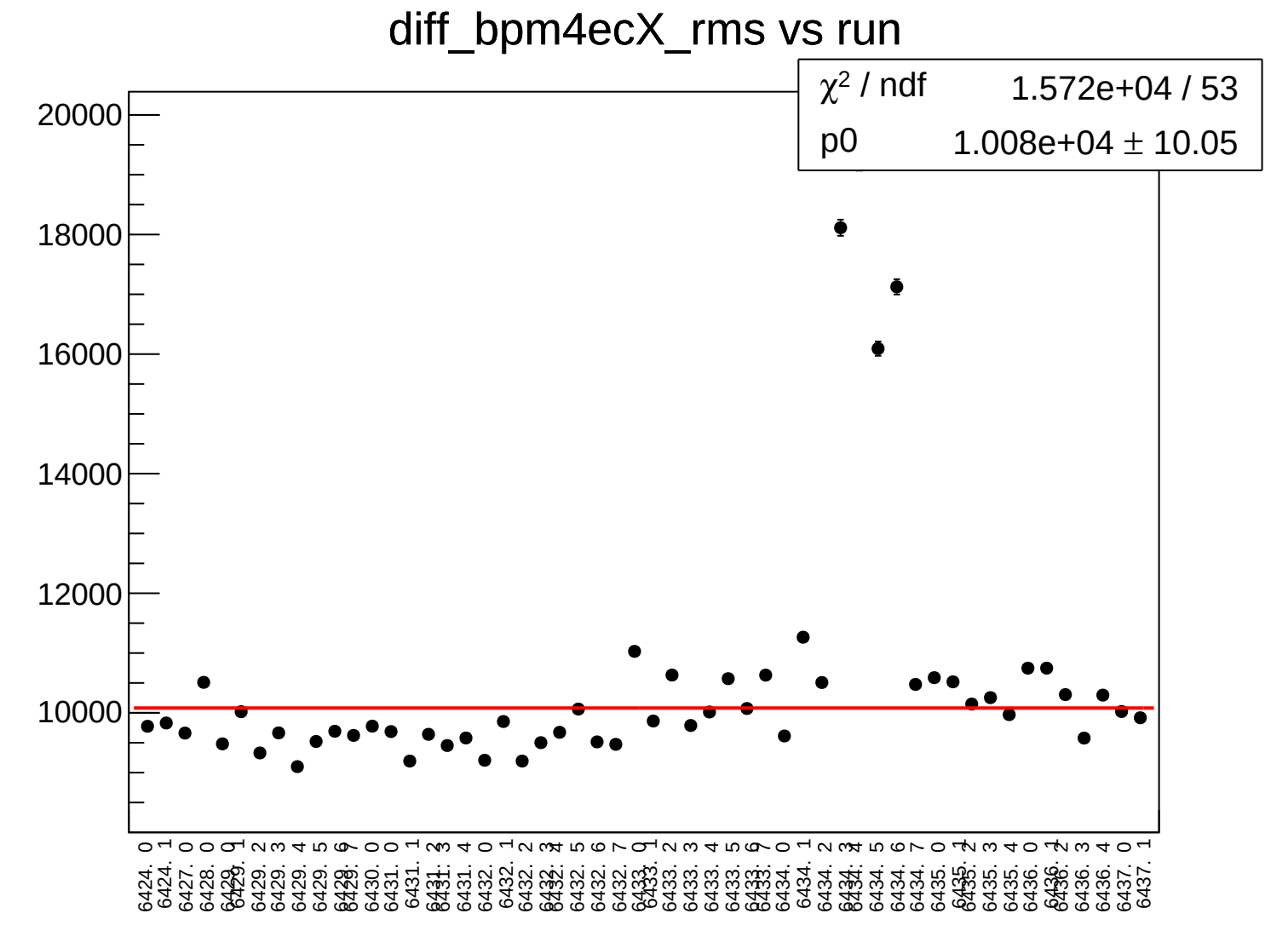

diff_bpm4acY_mean vs run
χ² / ndf 46.53 / 53
p0 8.411 ± 7.084
pull
Entries 54
Mean 866.8
Std Dev 0

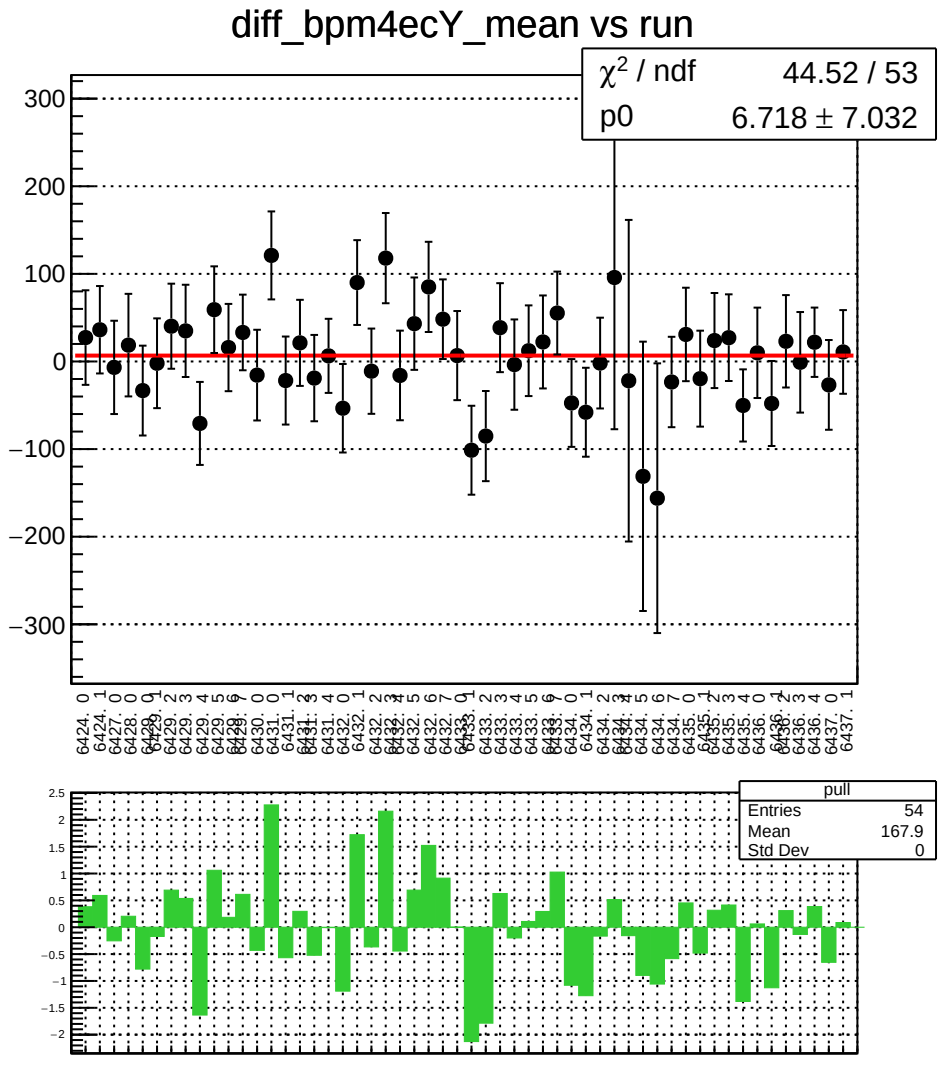

pull1D
Entries 54
Mean −0.001301
Std Dev 0.9283

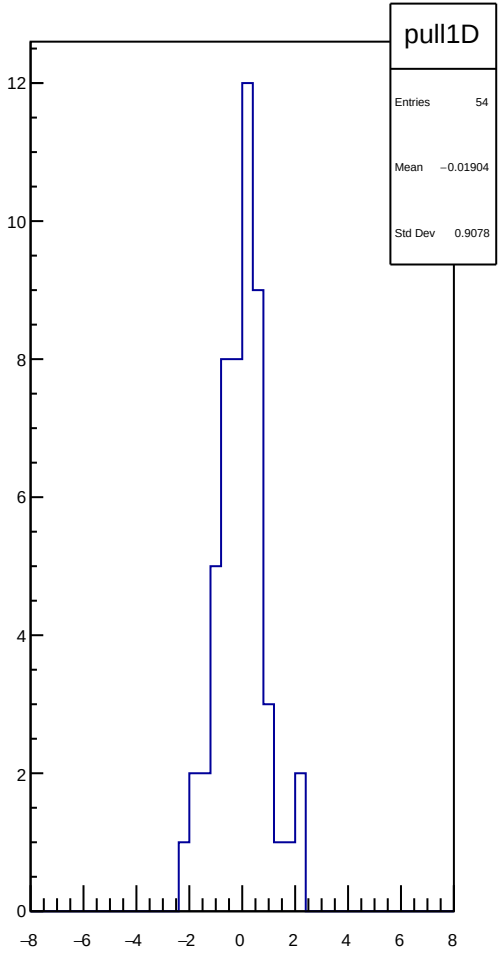

diff_bpm4acY_rms vs run
χ² / ndf 3555 / 53
p0 5056 ± 5.009
6200
6000
5800
5600
5400
5200
5000
4800
4600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

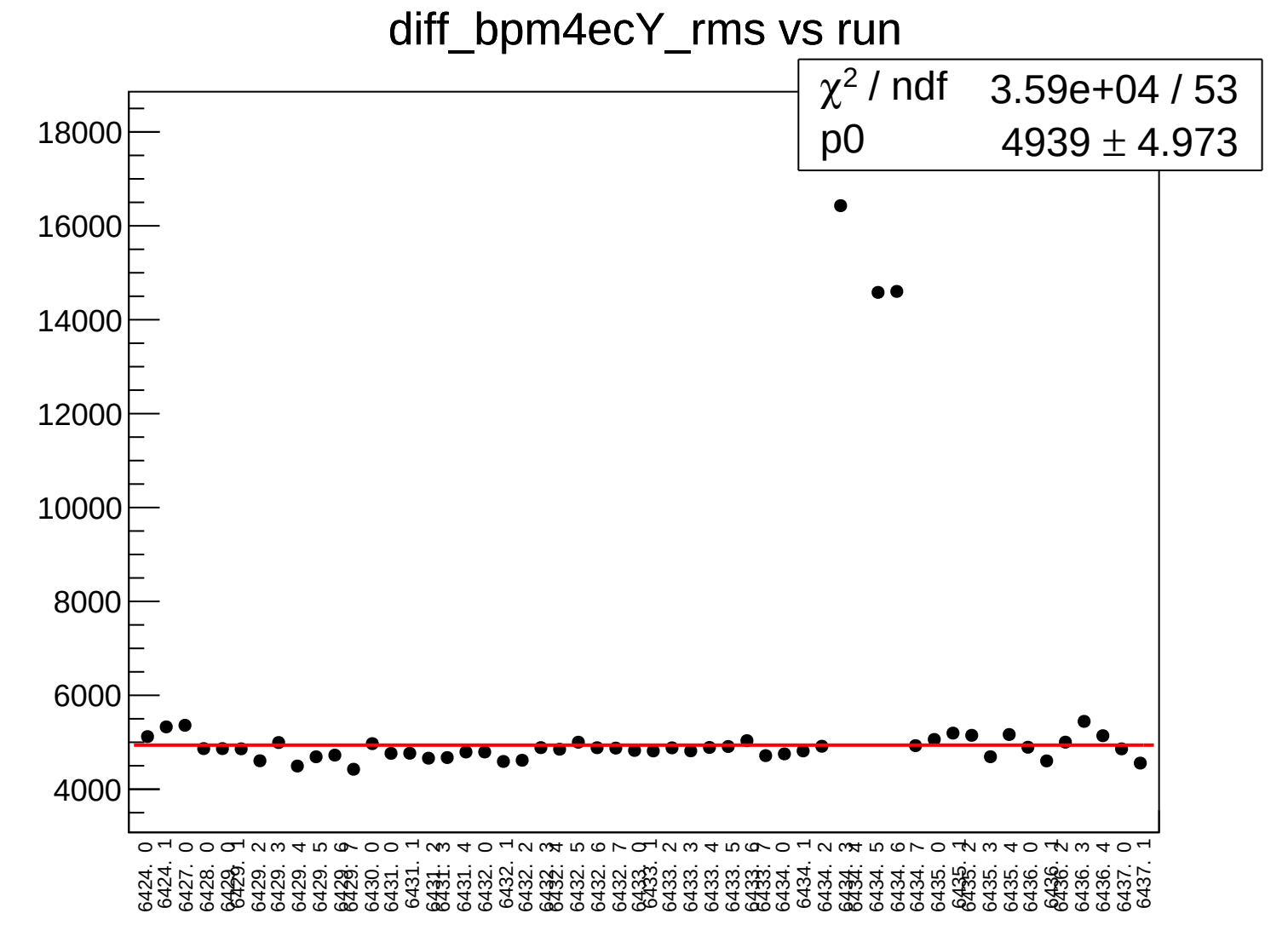

diff_bpm4ecX_mean vs run
χ² / ndf 82.56 / 53
p0 12.08 ± 14.21
400
200
0
−200
−400
pull
Entries 54
Mean 52.61
Std Dev 0
3
2
1
0
−1
−2
−3

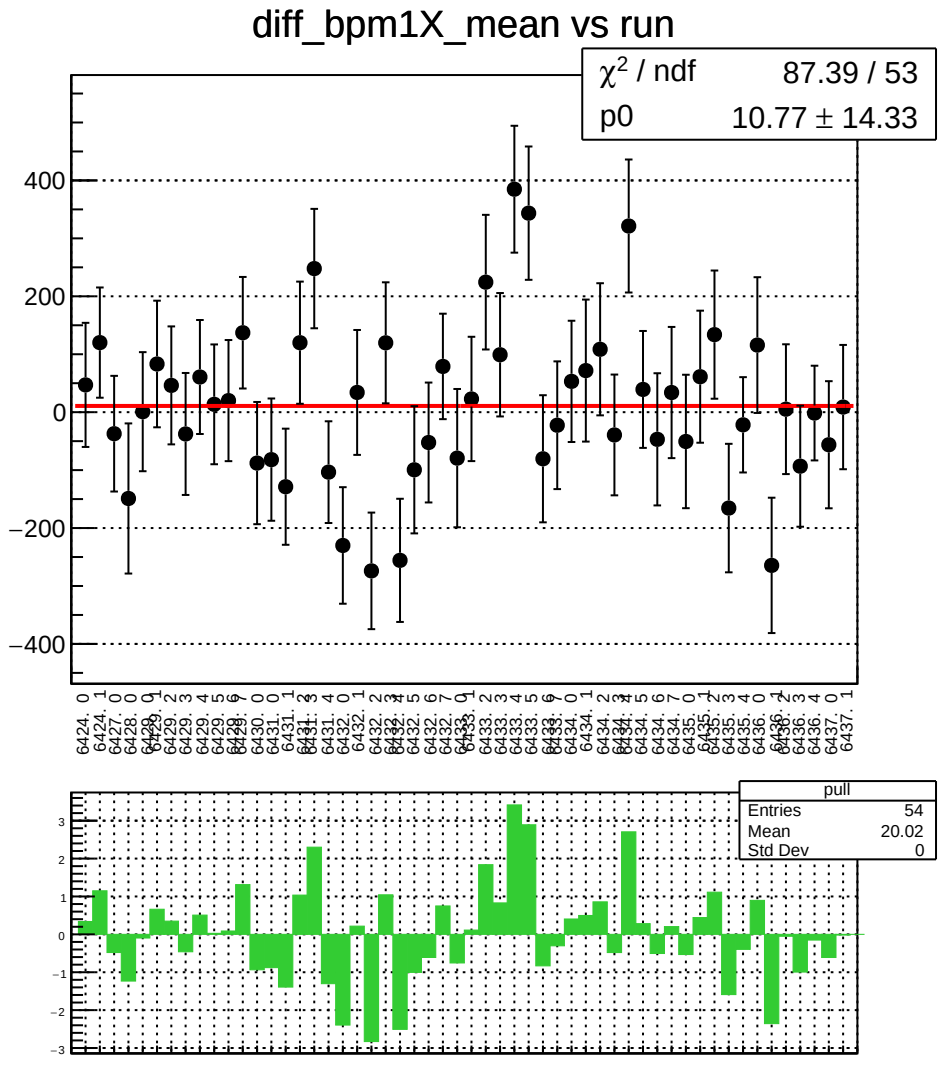

pull1D
Entries 54
Mean 0.03374
Std Dev 1.236
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

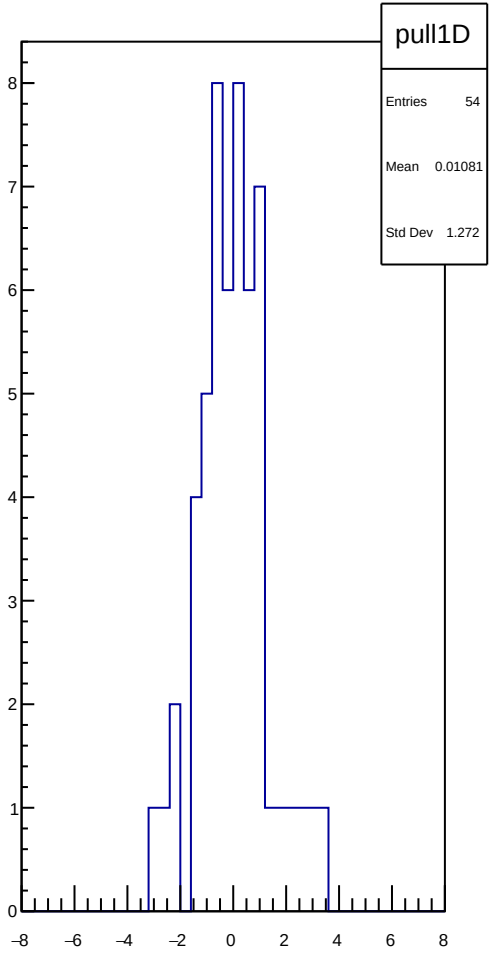

diff_bpm4ecX_rms vs run
χ² / ndf 1.572e+04 / 53
p0 1.008e+04 ± 10.05
20000
18000
16000
14000
12000
10000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

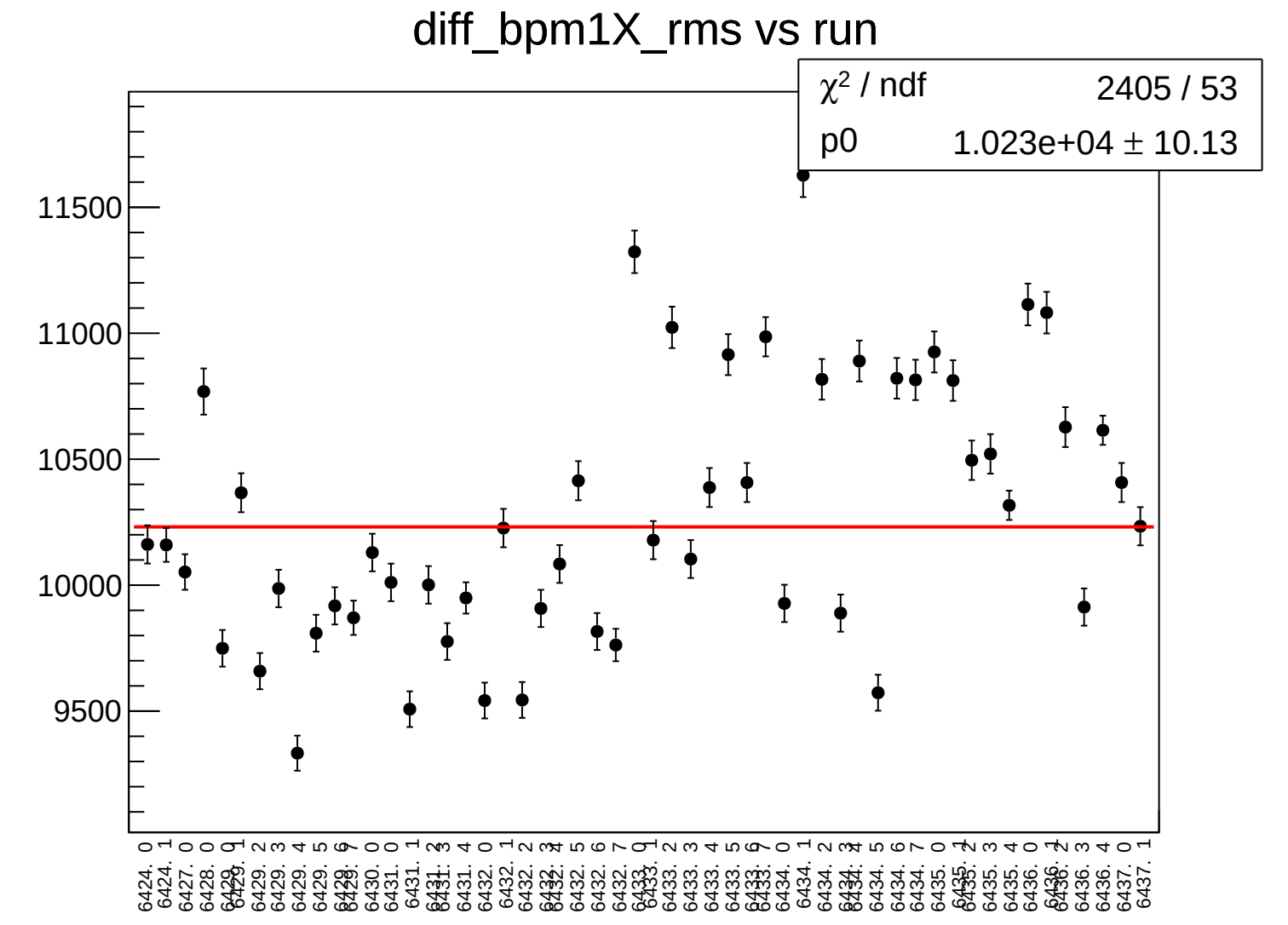

diff_bpm4ecY_mean vs run
χ² / ndf 44.52 / 53
p0 6.718 ± 7.032
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 167.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

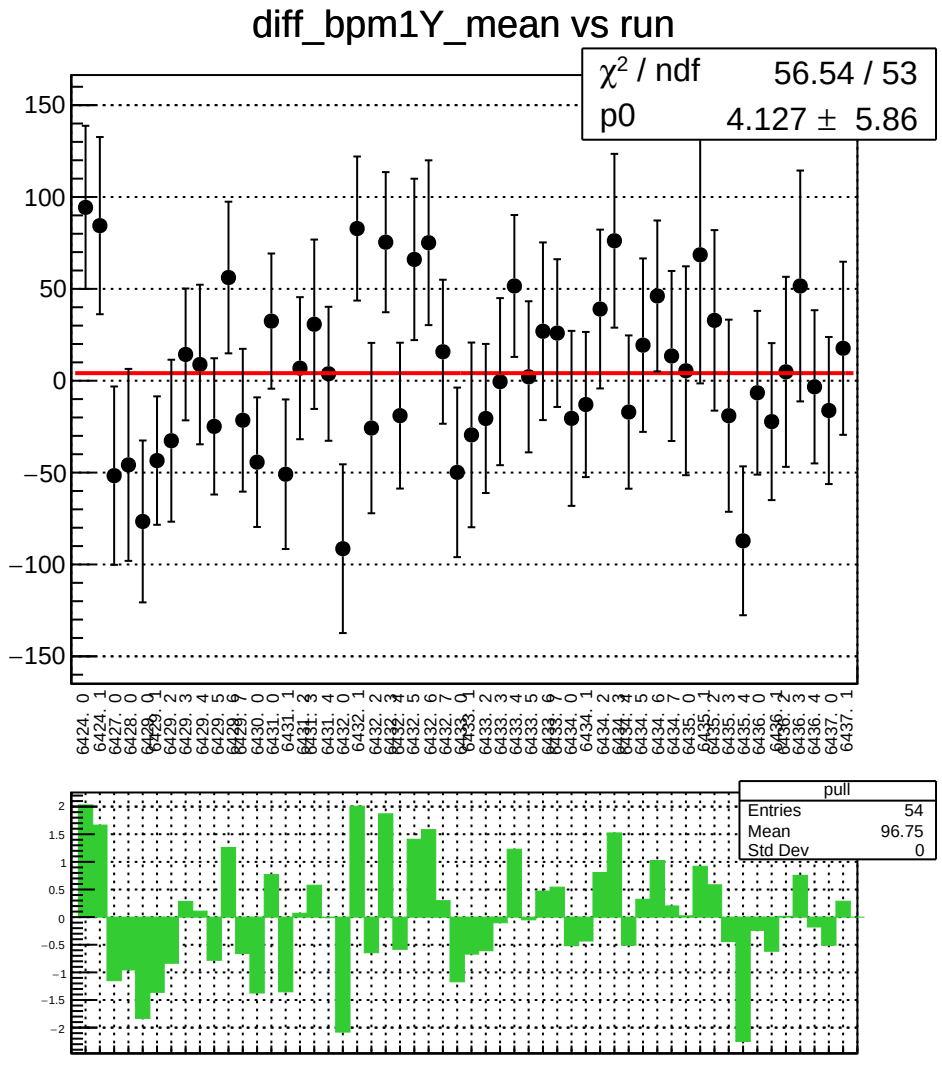

pull1D
Entries 54
Mean −0.01904
Std Dev 0.9078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

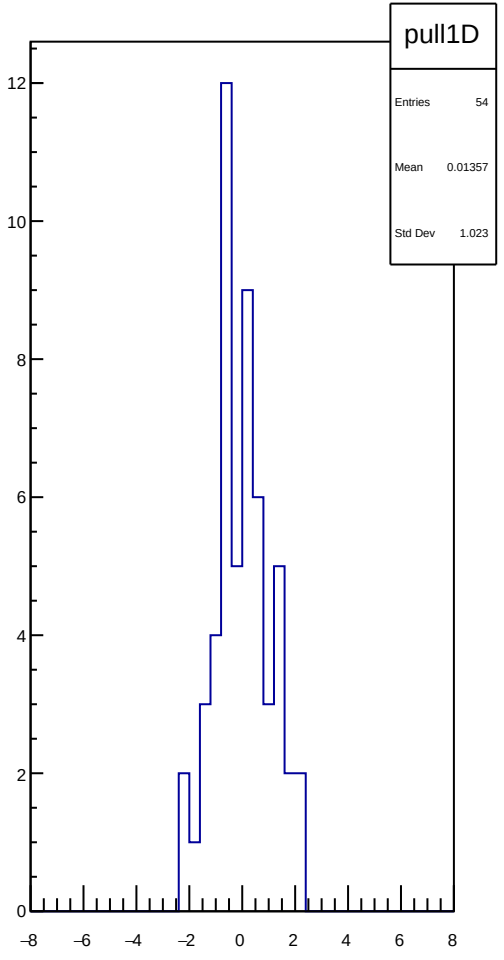

diff_bpm4ecY_rms vs run
χ² / ndf 3.59e+04 / 53
p0 4939 ± 4.973
18000
16000
14000
12000
10000
8000
6000
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

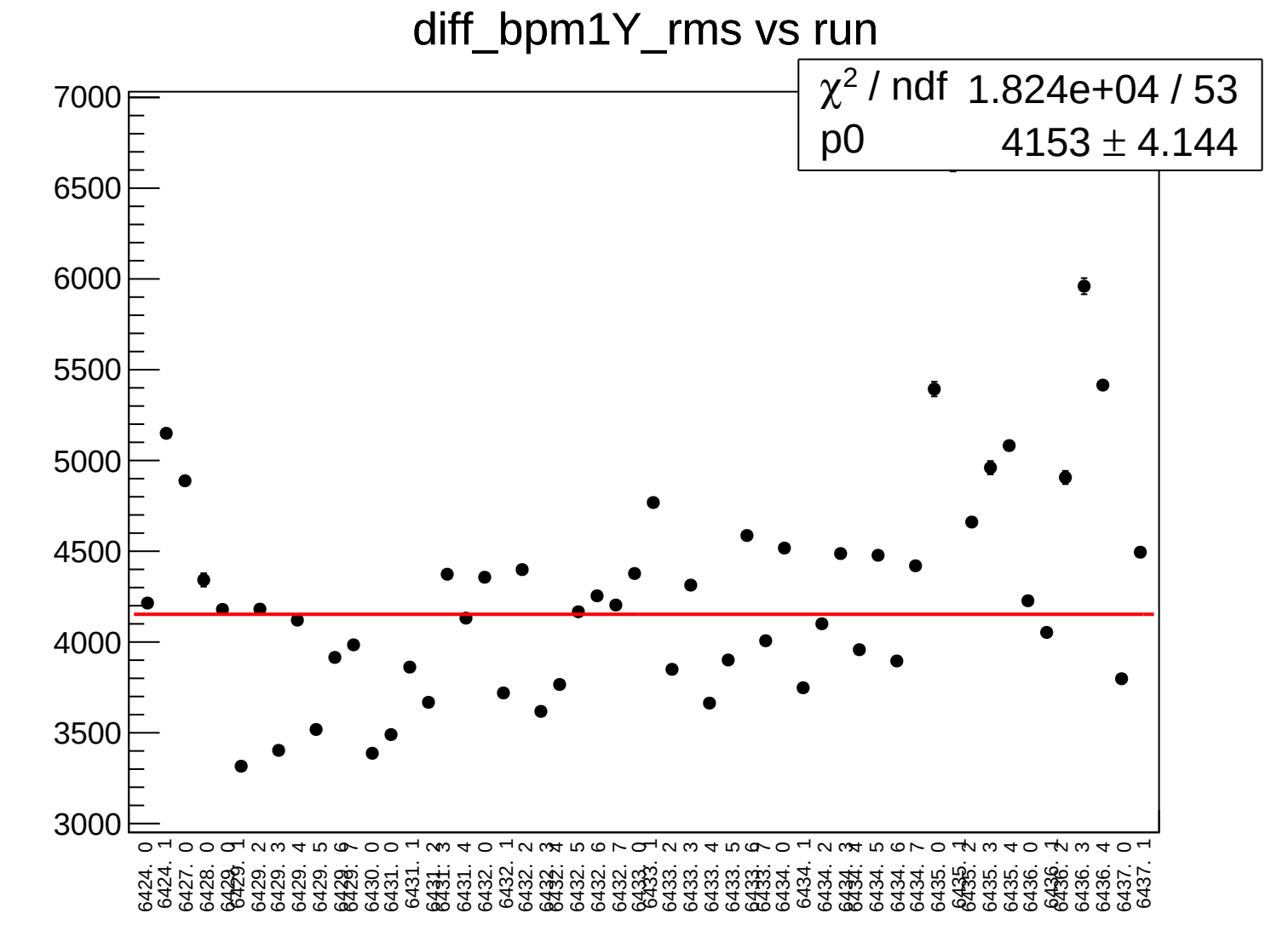

diff_bpm1X_mean vs run
χ² / ndf 87.39 / 53
p0 10.77 ± 14.33
pull
Entries 54
Mean 20.02
Std Dev 0

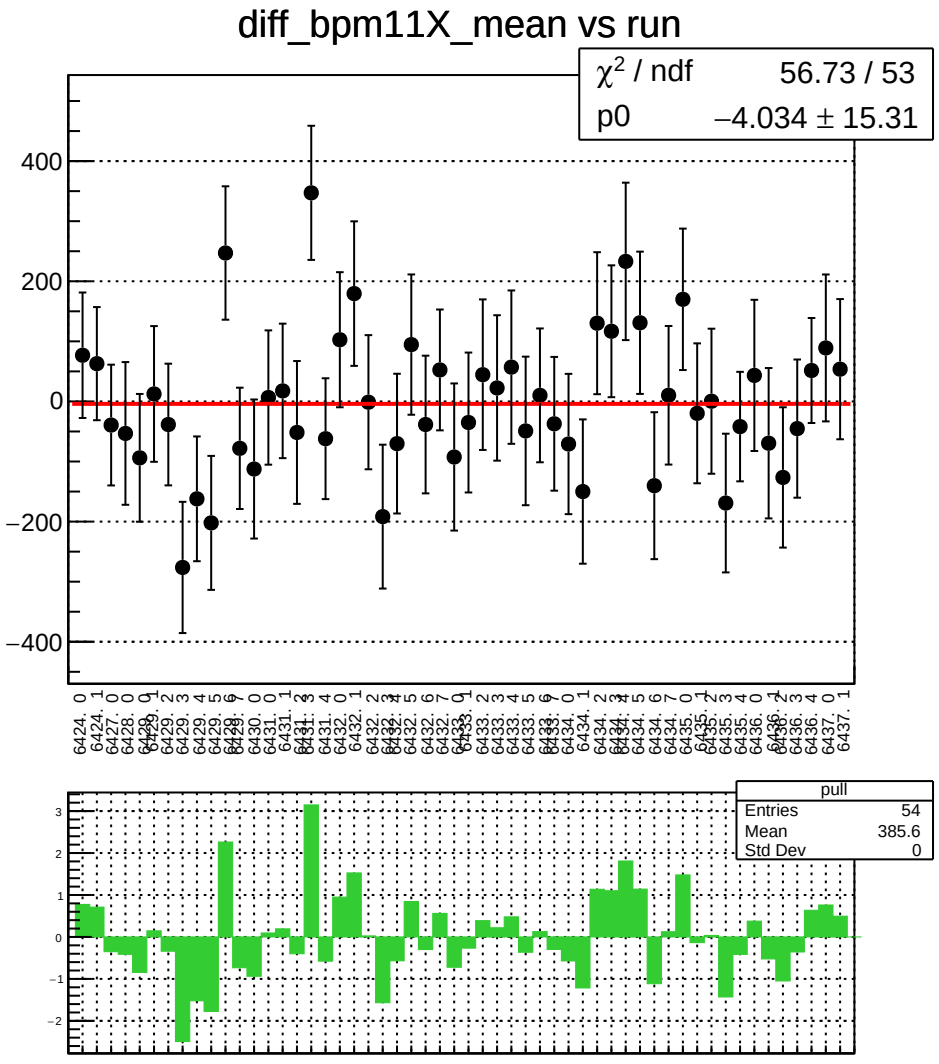

pull1D
Entries 54
Mean 0.01081
Std Dev 1.272

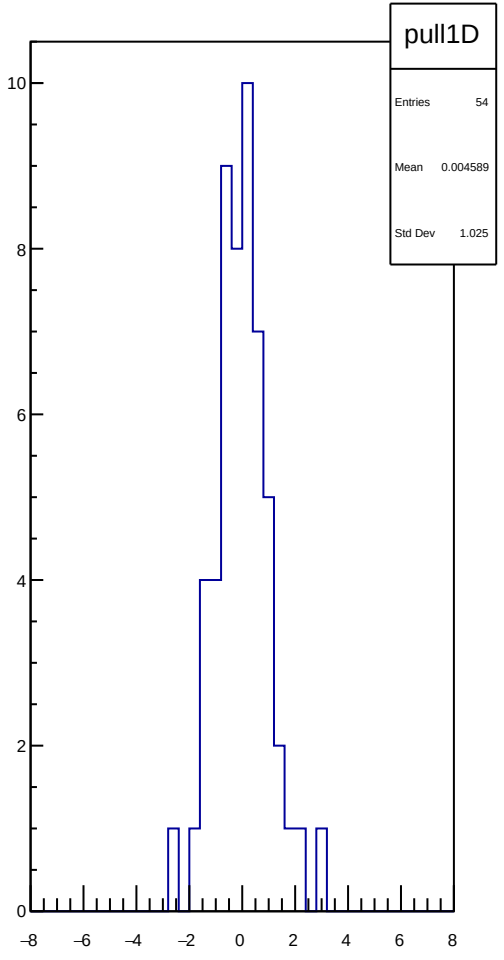

diff_bpm1X_rms vs run
χ² / ndf 2405 / 53
p0 1.023e+04 ± 10.13
11500
11000
10500
10000
9500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

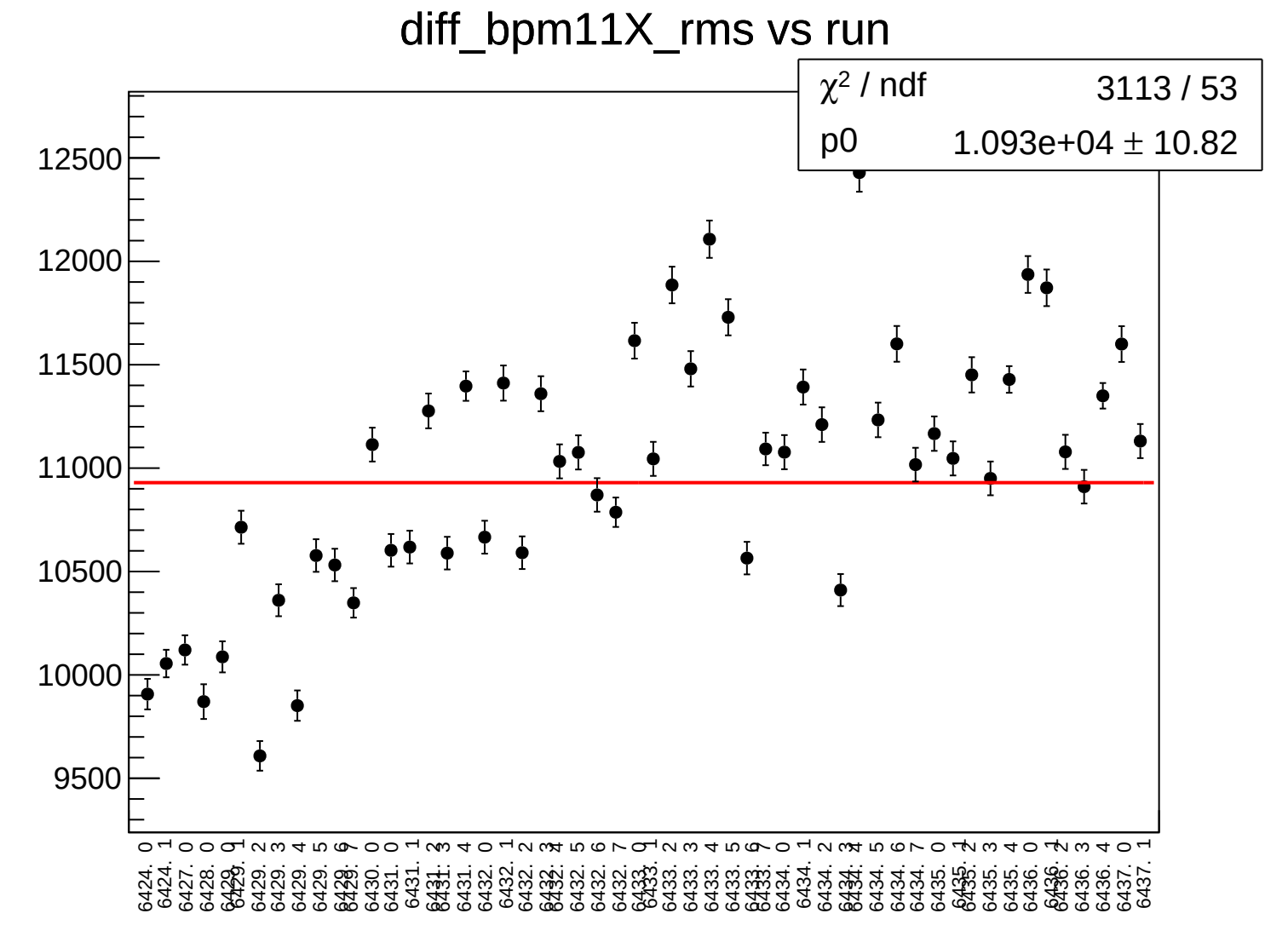

diff_bpm1Y_mean vs run
χ² / ndf 56.54 / 53
p0 4.127 ± 5.86
pull
Entries 54
Mean 96.75
Std Dev 0

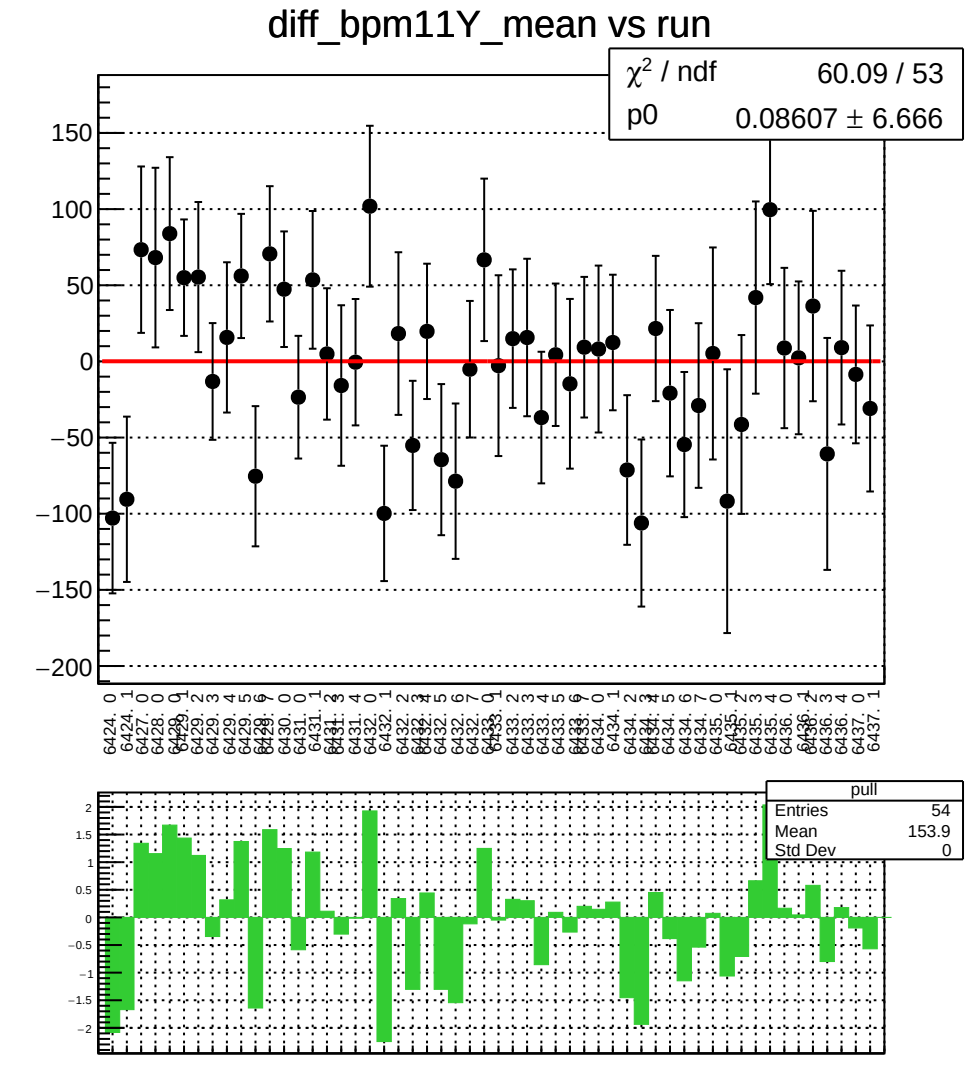

pull1D
Entries 54
Mean 0.01357
Std Dev 1.023

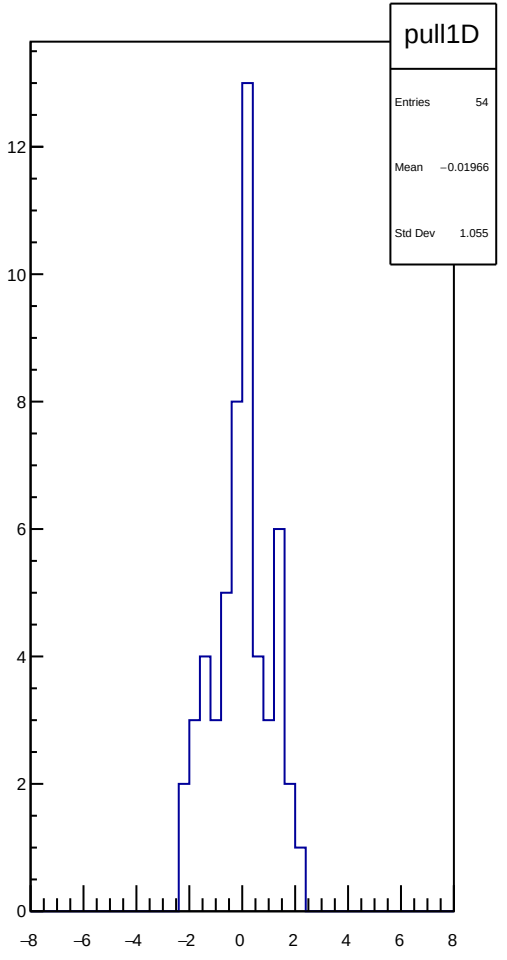

diff_bpm1Y_rms vs run
χ² / ndf 1.824e+04 / 53
p0 4153 ± 4.144
7000
6500
6000
5500
5000
4500
4000
3500
3000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

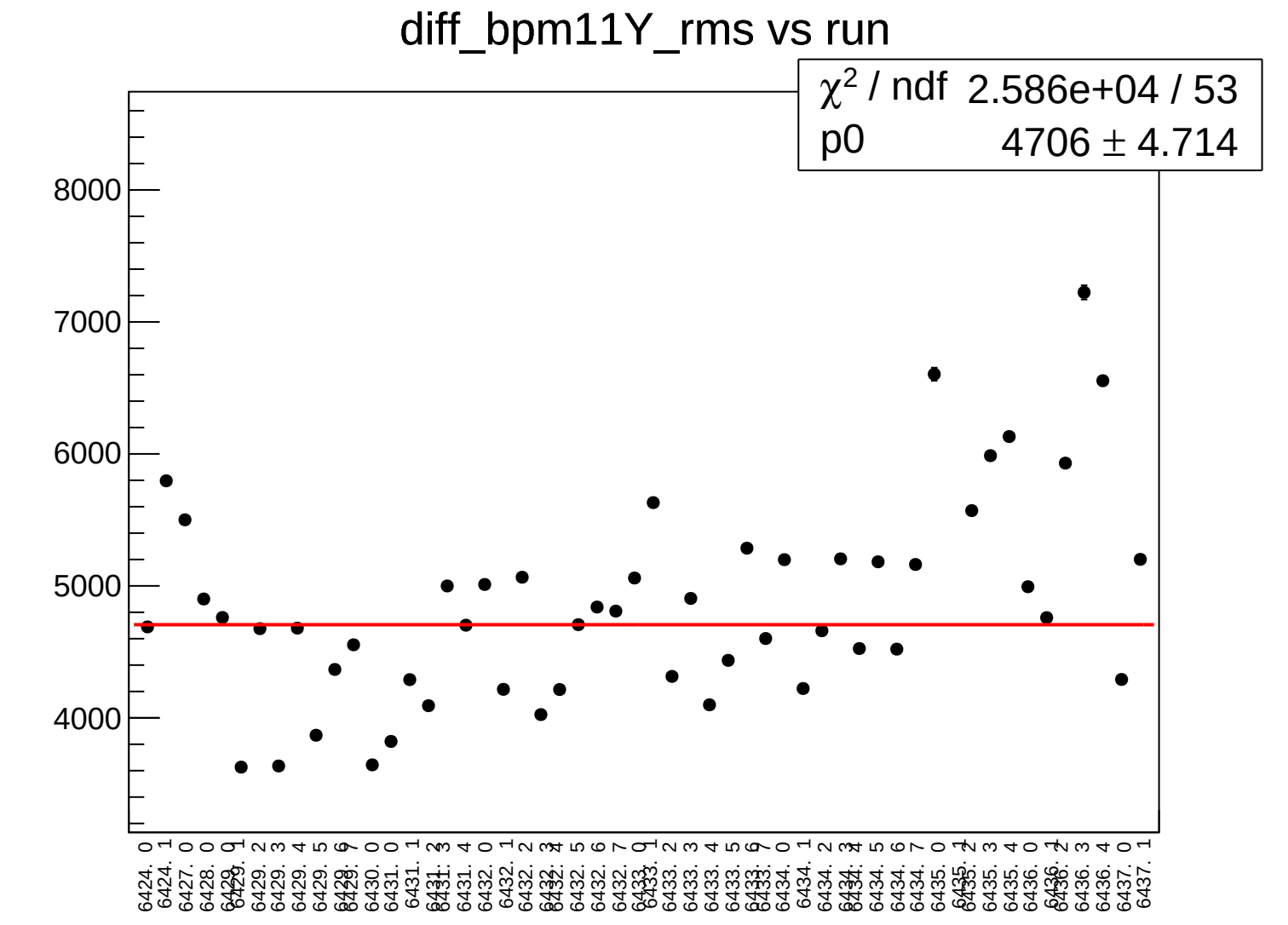

diff_bpm11X_mean vs run
χ² / ndf 56.73 / 53
p0 −4.034 ± 15.31
400
200
0
−200
−400
pull
Entries 54
Mean 385.6
Std Dev 0
3
2
1
0
−1
−2

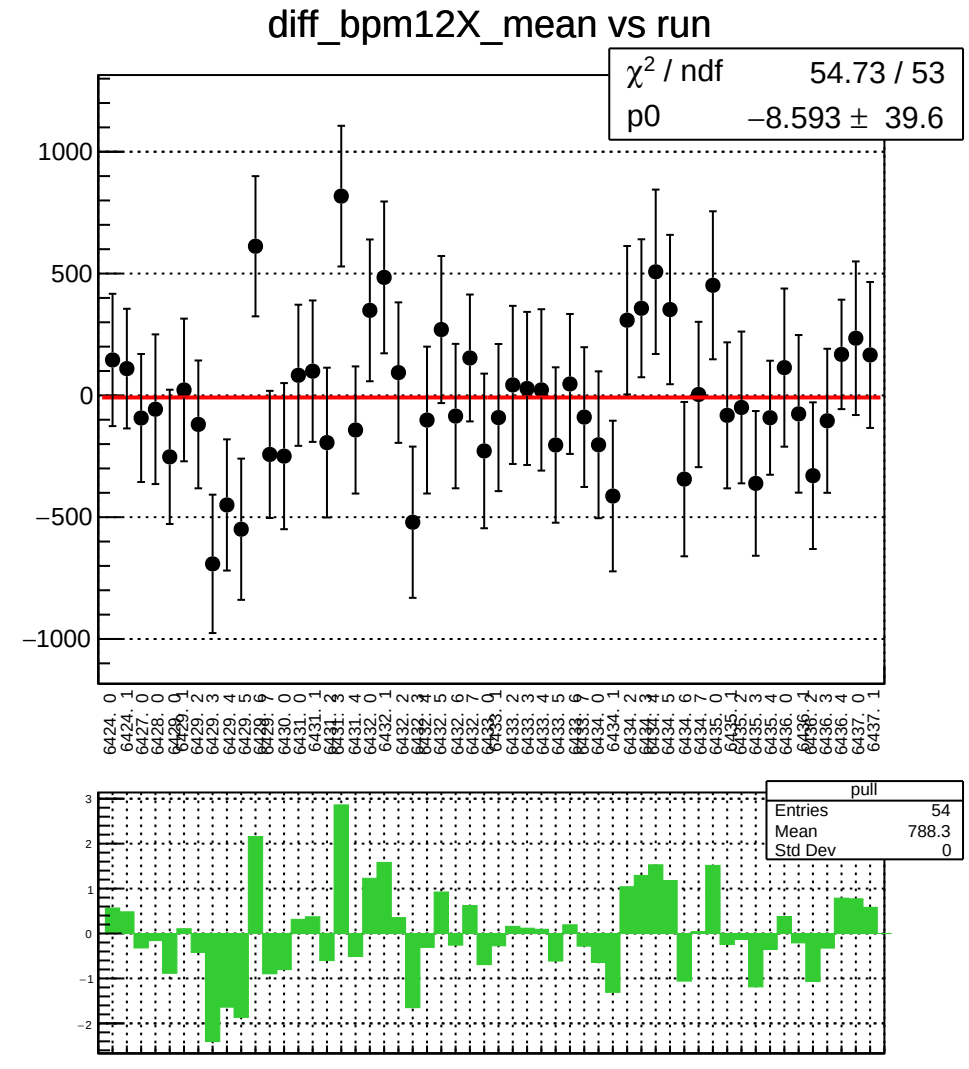

pull1D
Entries 54
Mean 0.004589
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

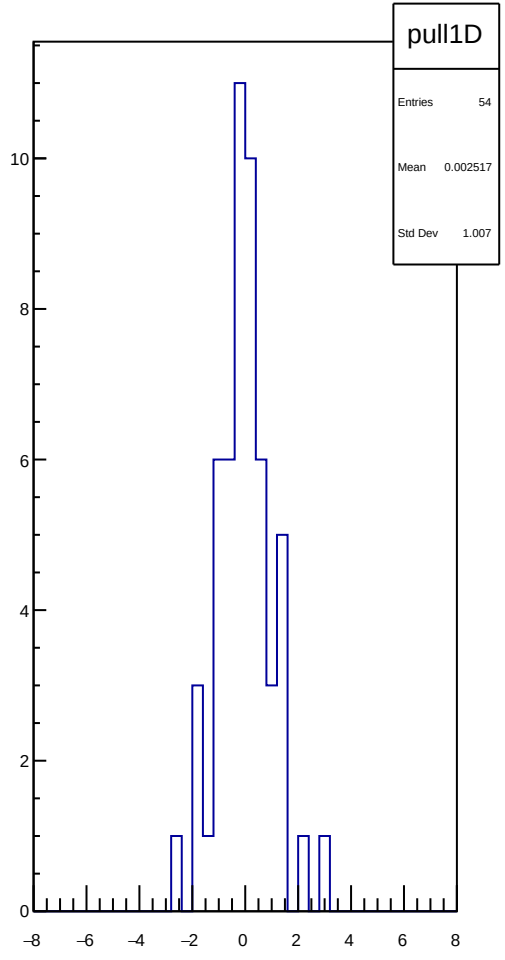

diff_bpm11X_rms vs run
χ² / ndf 3113 / 53
p0 1.093e+04 ± 10.82
12500
12000
11500
11000
10500
10000
9500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

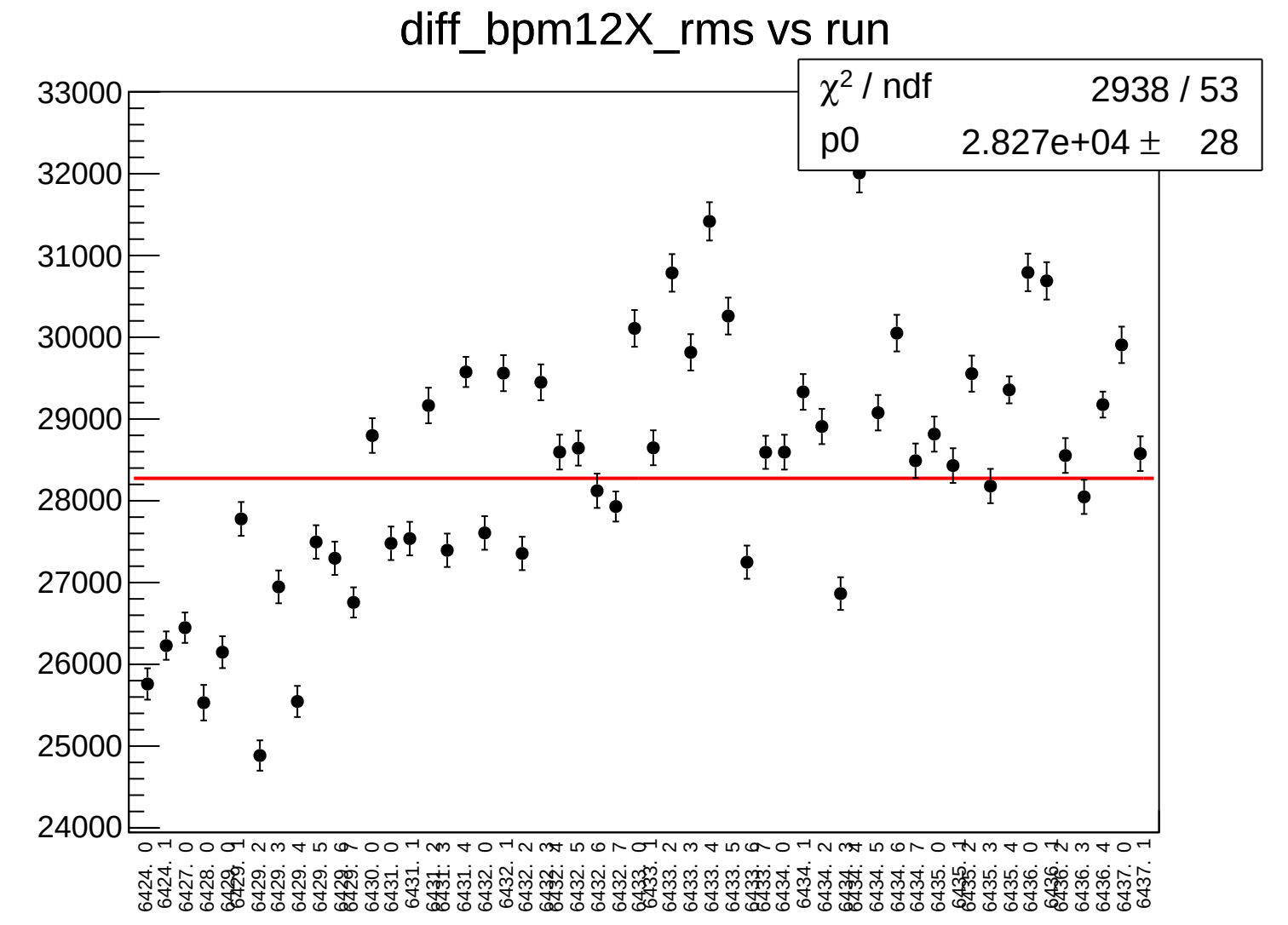

diff_bpm11Y_mean vs run
χ² / ndf 60.09 / 53
p0 0.08607 ± 6.666
pull
Entries 54
Mean 153.9
Std Dev 0

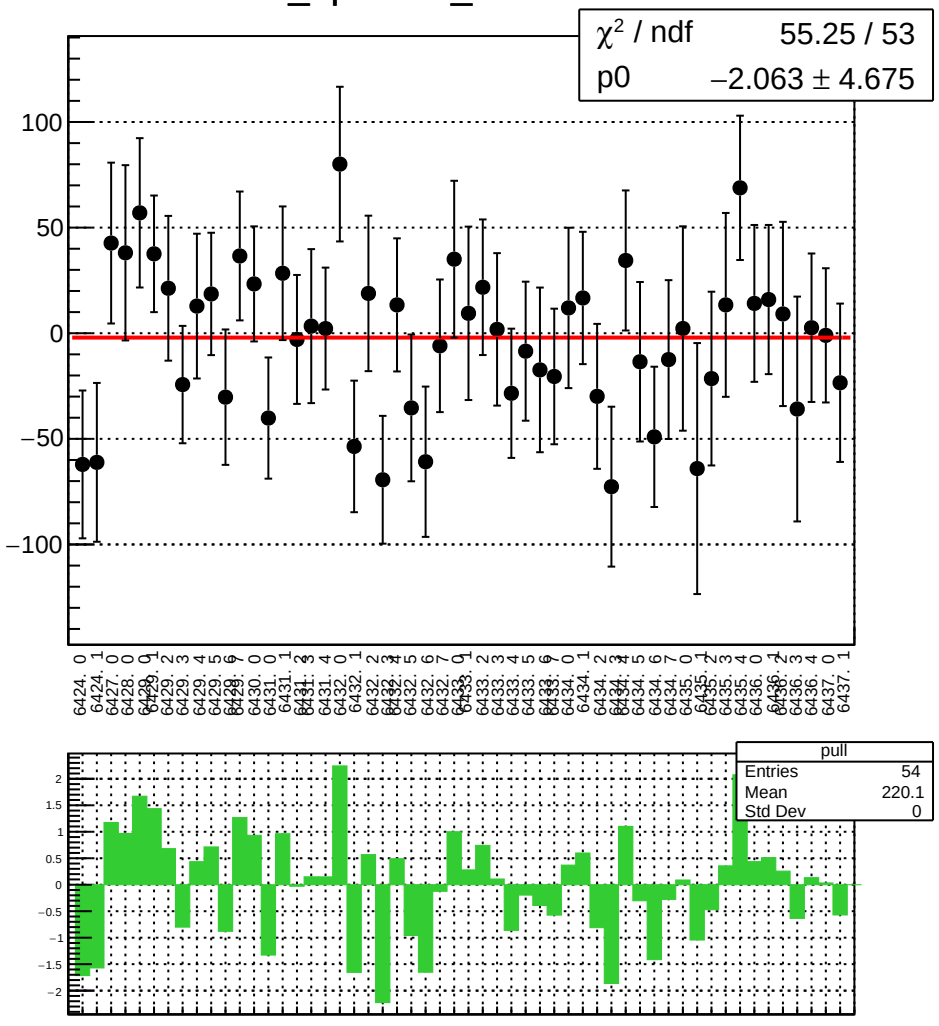

pull1D
Entries 54
Mean −0.01966
Std Dev 1.055

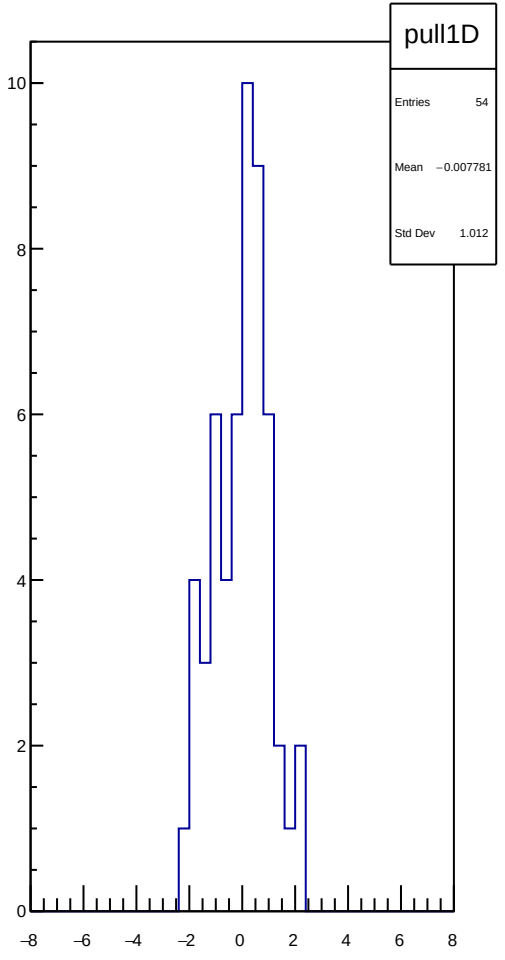

diff_bpm11Y_rms vs run
χ² / ndf 2.586e+04 / 53
p0 4706 ± 4.714
8000
7000
6000
5000
4000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

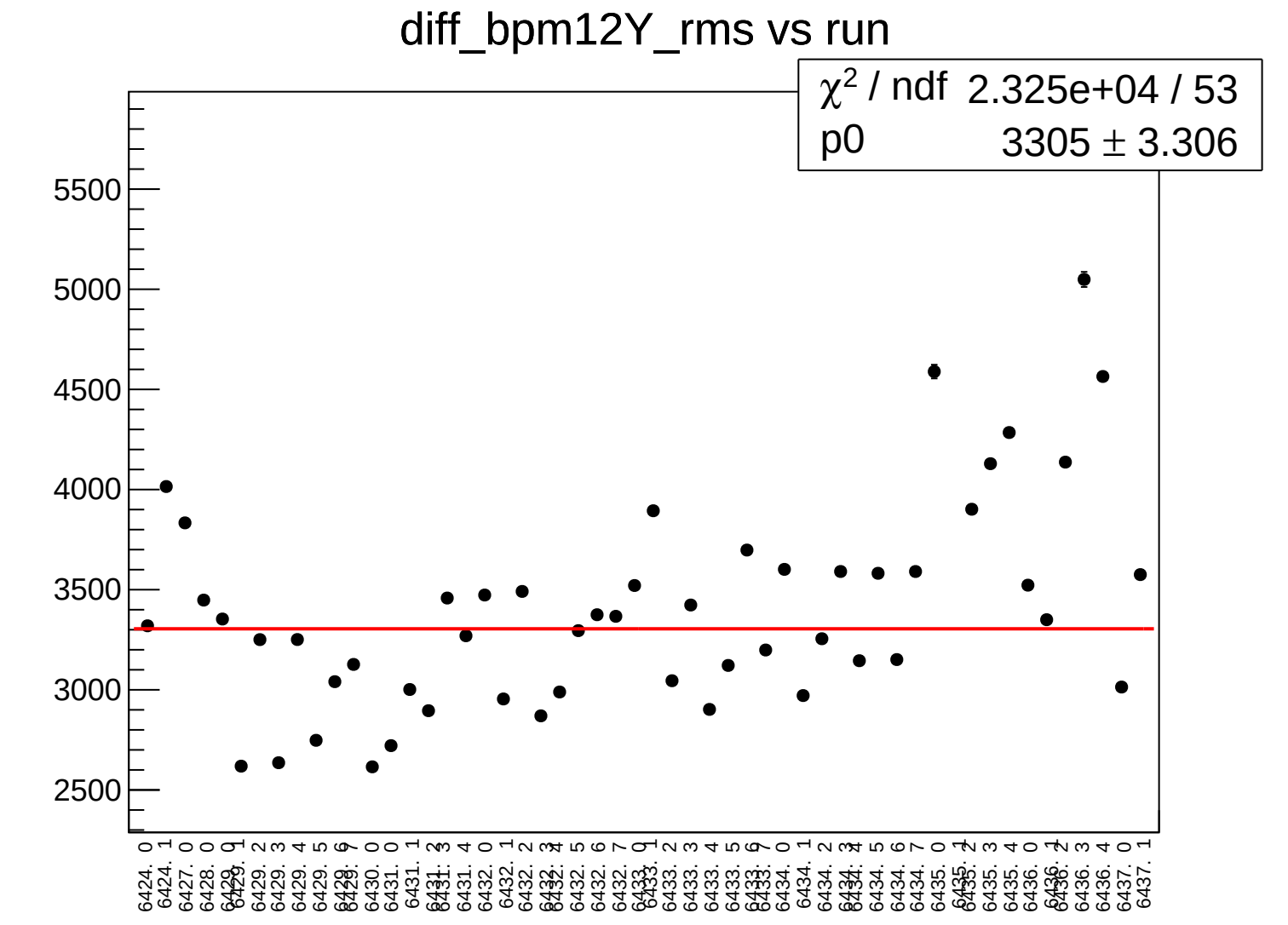

diff_bpm12X_mean vs run
χ² / ndf 54.73 / 53
p0 −8.593 ± 39.6
1000
500
0
−500
−1000
pull
Entries 54
Mean 788.3
Std Dev 0
3
2
1
0
−1
−2

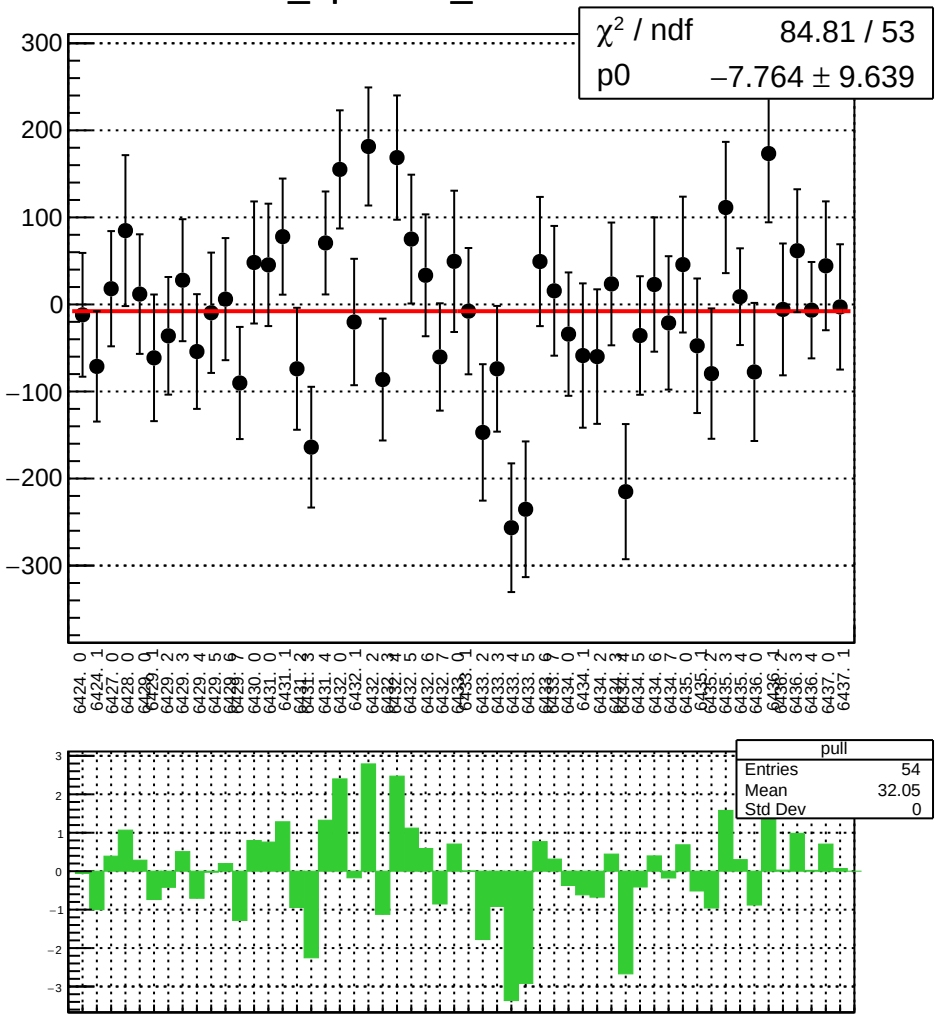

pull1D
Entries 54
Mean 0.002517
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

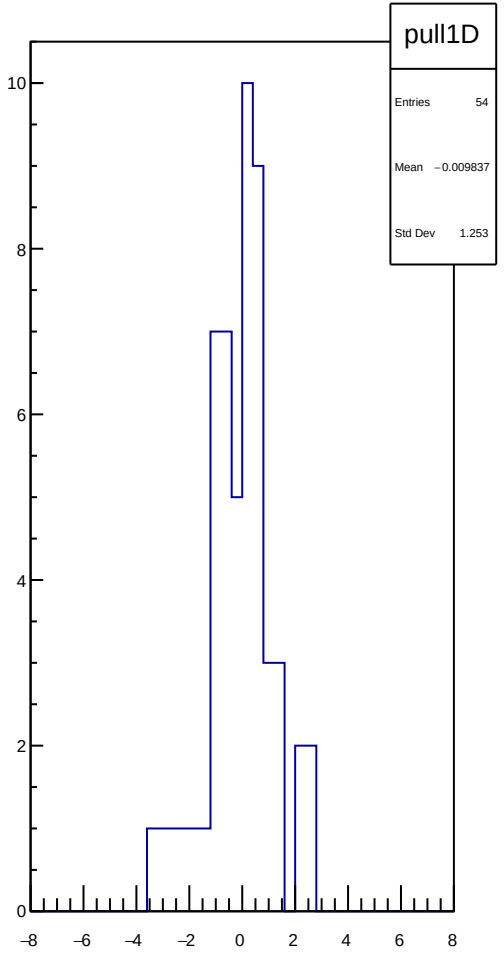

diff_bpm12X_rms vs run
χ² / ndf 2938 / 53
p0 2.827e+04 ± 28
33000
32000
31000
30000
29000
28000
27000
26000
25000
24000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

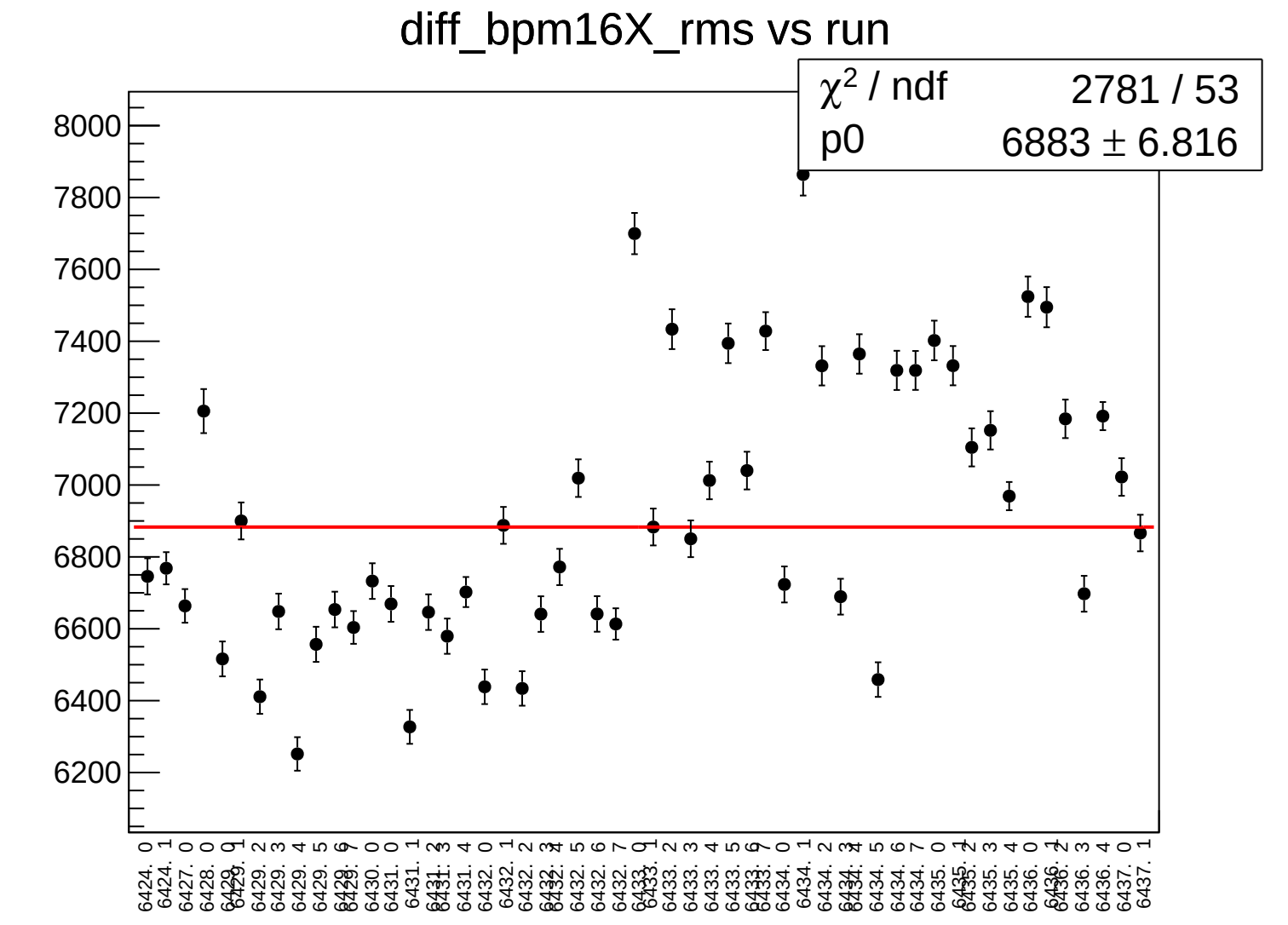

diff_bpm12Y_mean vs run
χ² / ndf 55.25 / 53
p0 −2.063 ± 4.675
pull
Entries 54
Mean 220.1
Std Dev 0

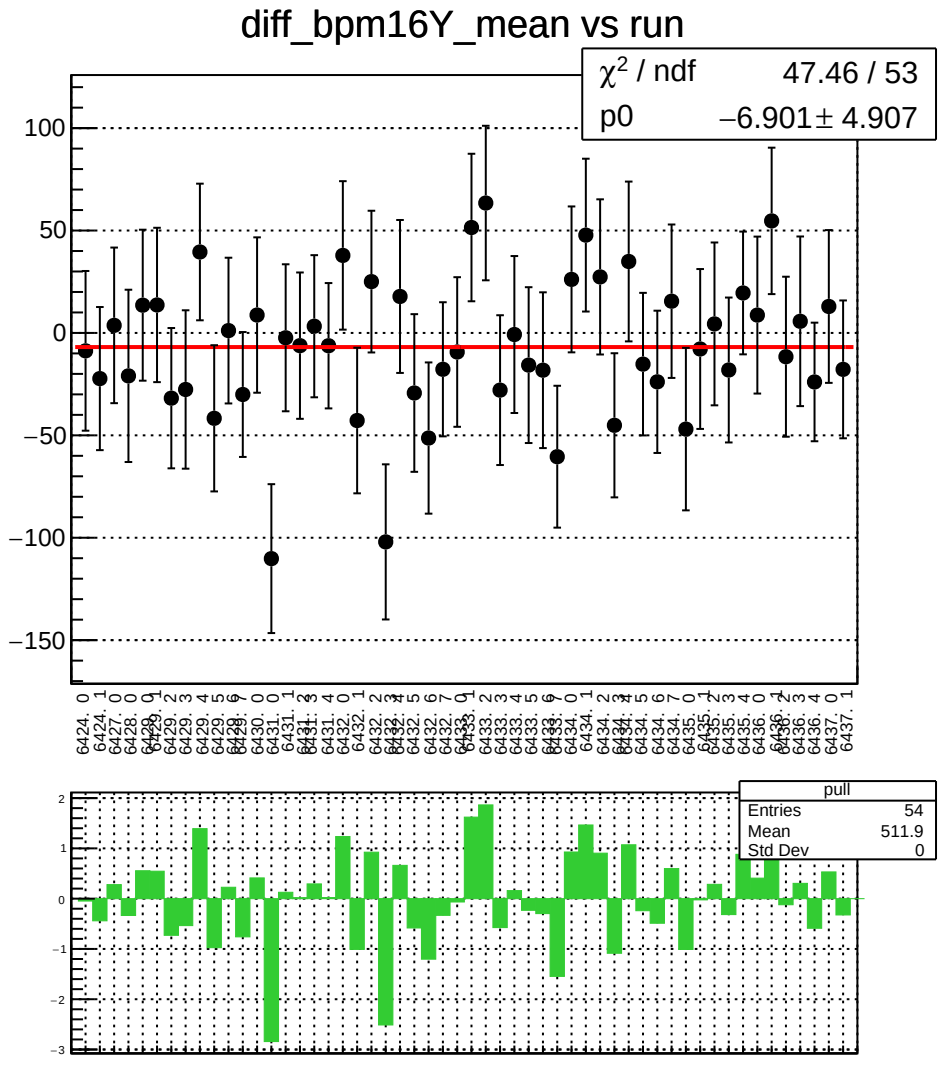

pull1D
Entries 54
Mean −0.007781
Std Dev 1.012

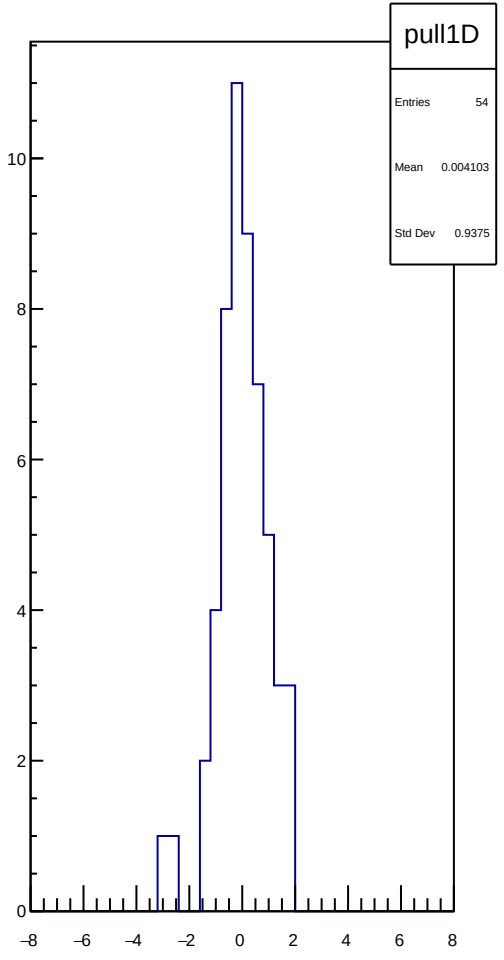

diff_bpm12Y_rms vs run
χ^2 / ndf 2.325e+04 / 53
p0 3305 ± 3.306
5500
5000
4500
4000
3500
3000
2500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

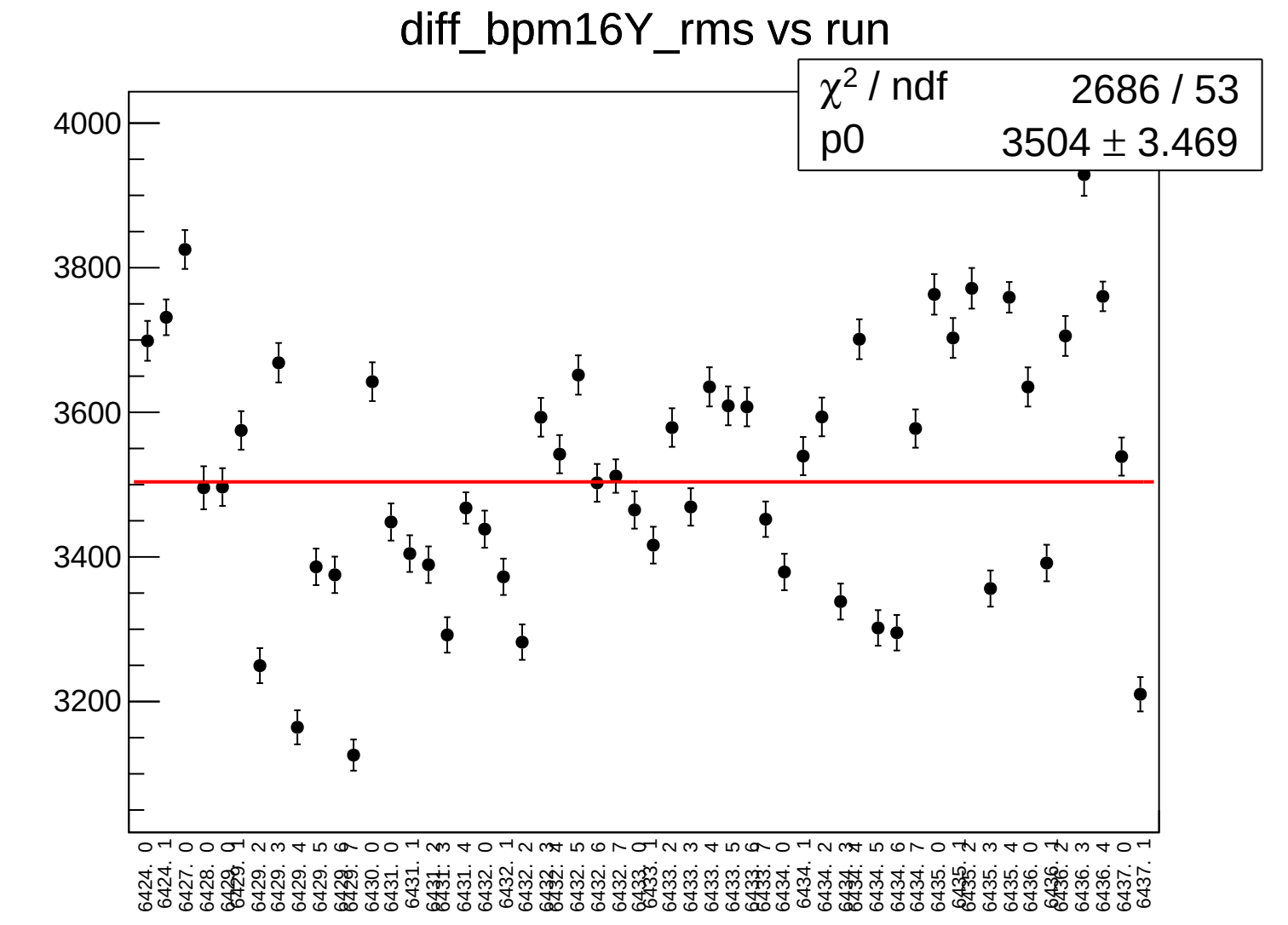

diff_bpm16X_mean vs run
χ² / ndf 84.81 / 53
p0 −7.764 ± 9.639
pull
Entries 54
Mean 32.05
Std Dev 0

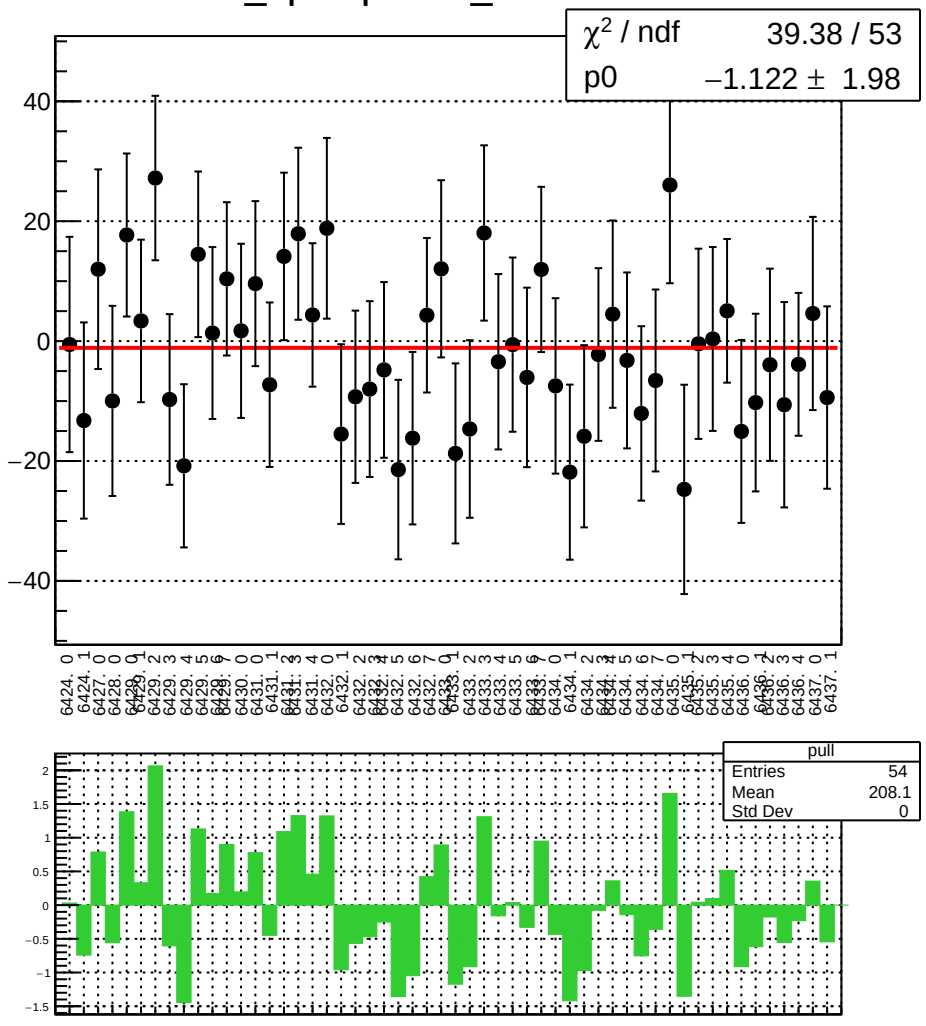

pull1D
Entries 54
Mean −0.009837
Std Dev 1.253

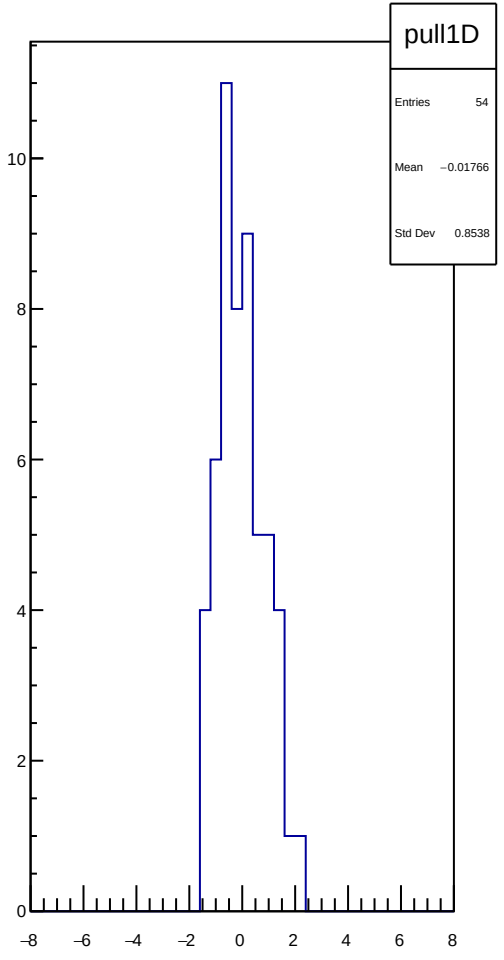

diff_bpm16X_rms vs run
χ² / ndf 2781 / 53
p0 6883 ± 6.816
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

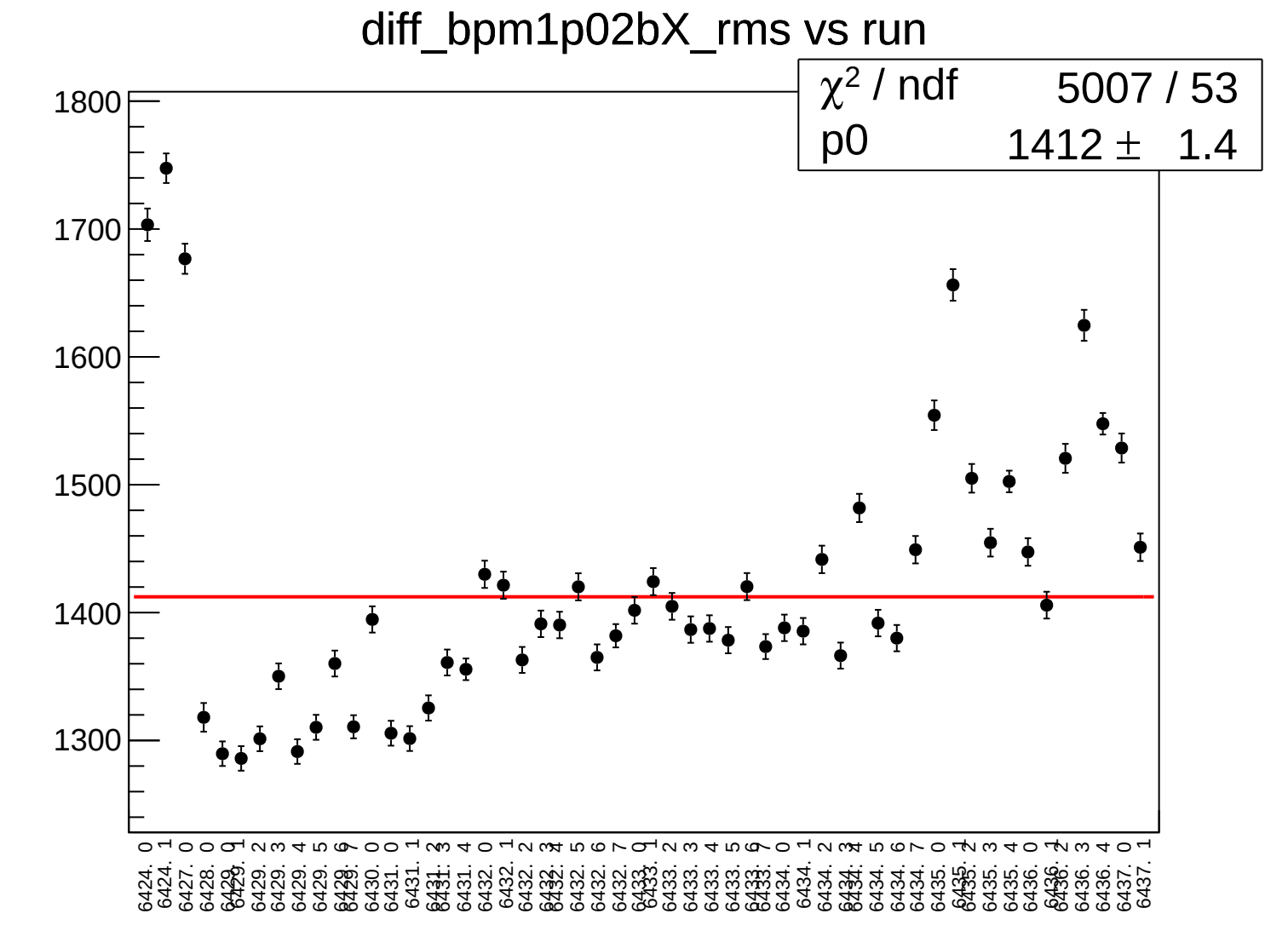

diff_bpm16Y_mean vs run
χ² / ndf 47.46 / 53
p0 −6.901 ± 4.907
pull
Entries 54
Mean 511.9
Std Dev 0

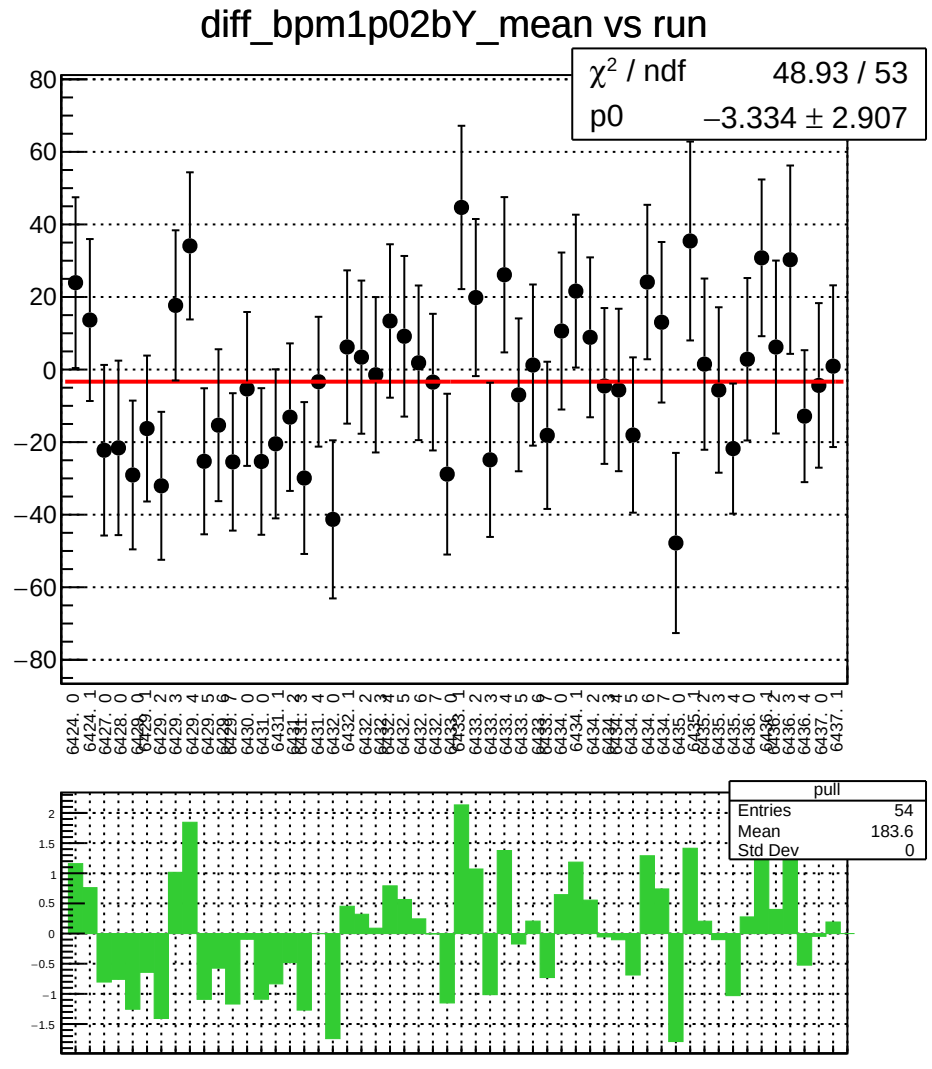

pull1D
Entries 54
Mean 0.004103
Std Dev 0.9375

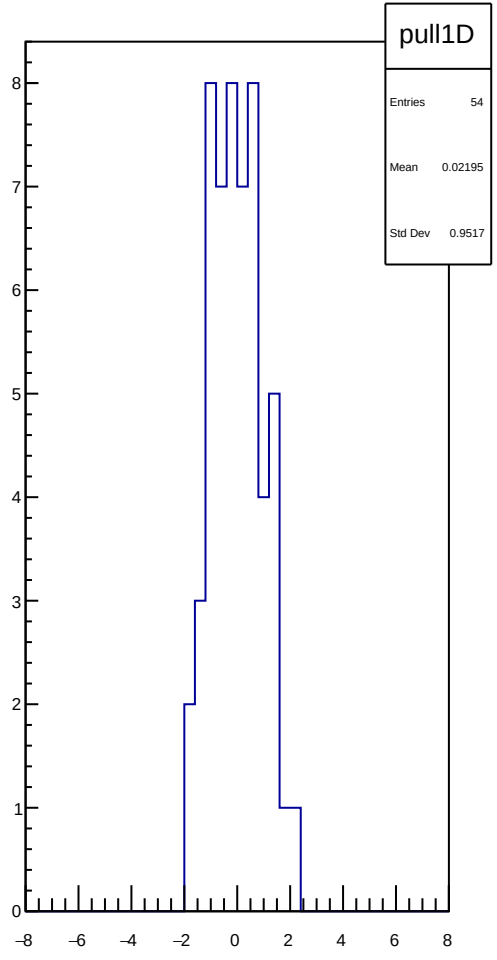

diff_bpm16Y_rms vs run
χ² / ndf 2686 / 53
p0 3504 ± 3.469
4000
3800
3600
3400
3200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

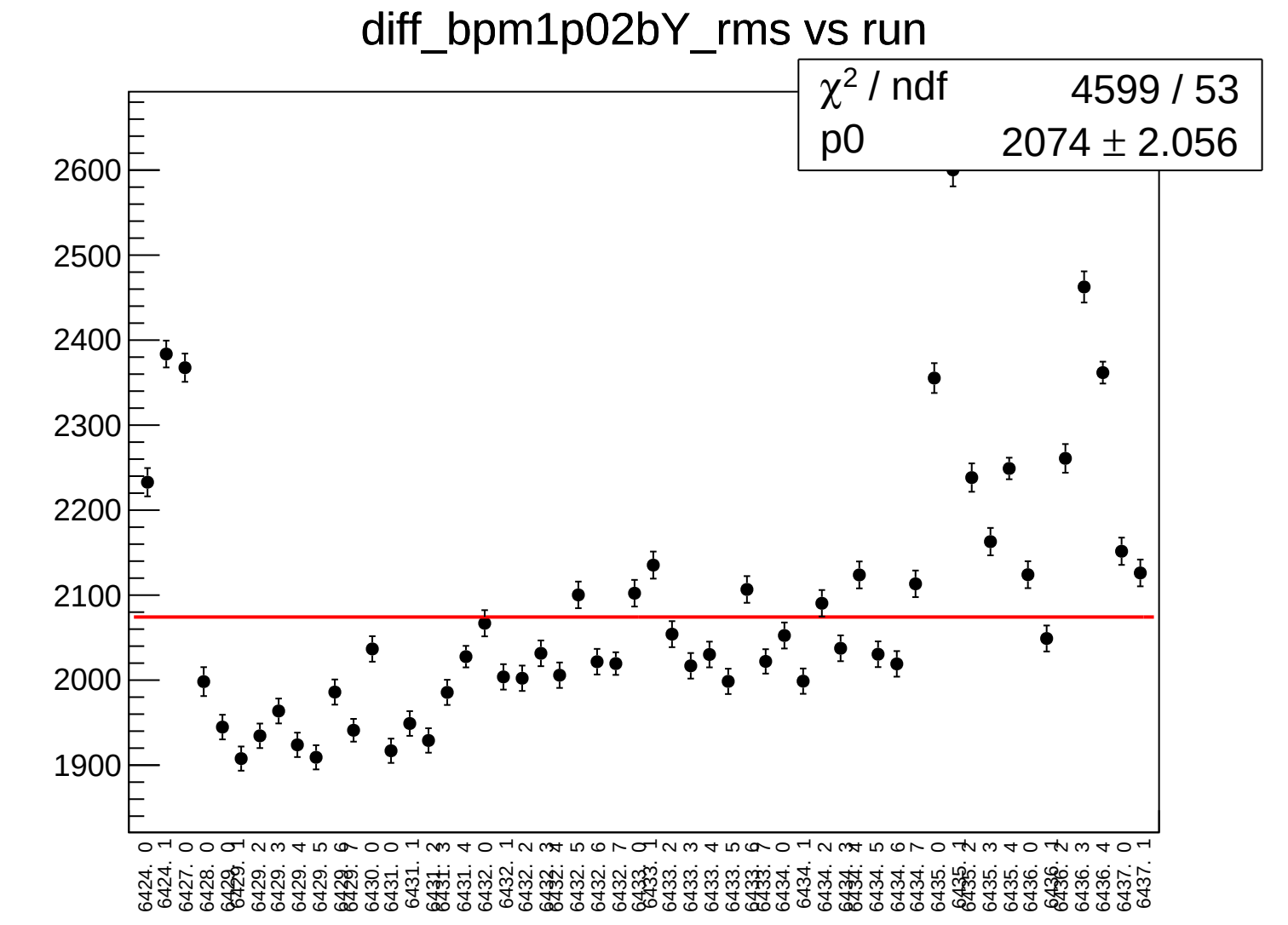

diff_bpm1p02bX_mean vs run
χ² / ndf 39.38 / 53
p0 −1.122 ± 1.98
pull
Entries 54
Mean 208.1
Std Dev 0

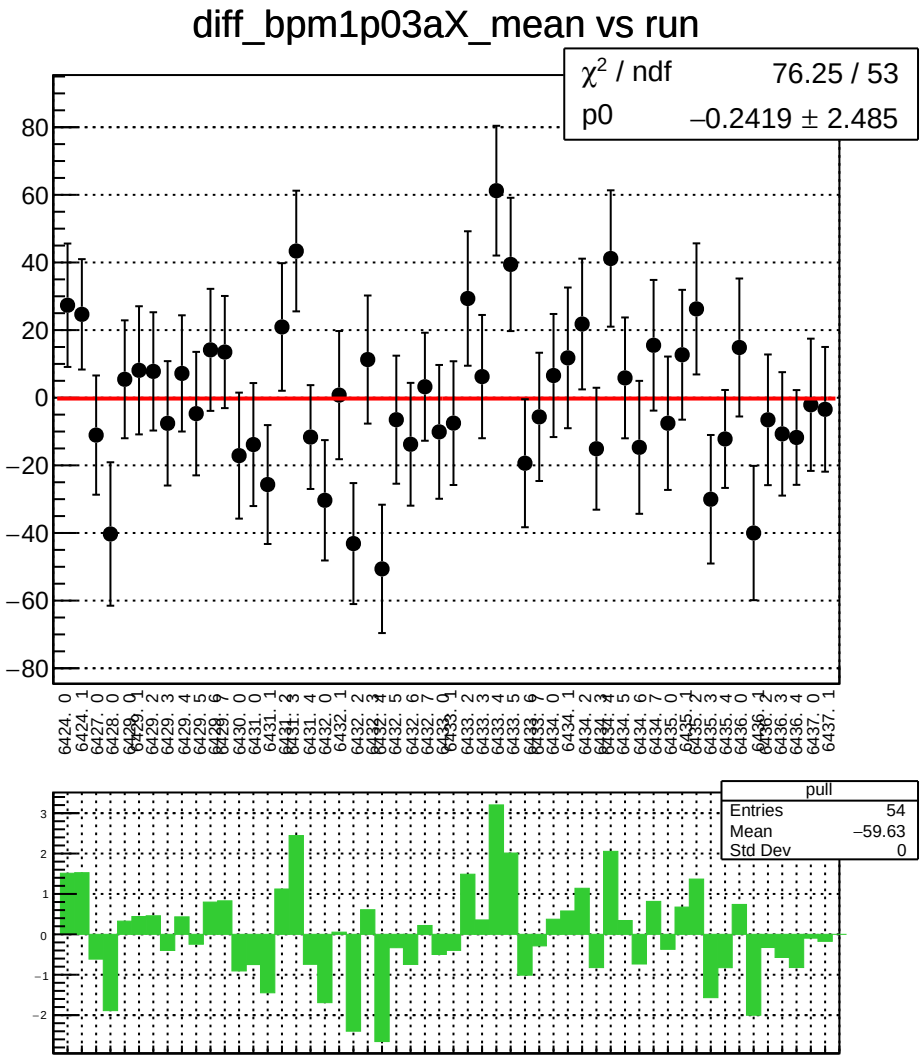

pull1D
Entries 54
Mean −0.01766
Std Dev 0.8538

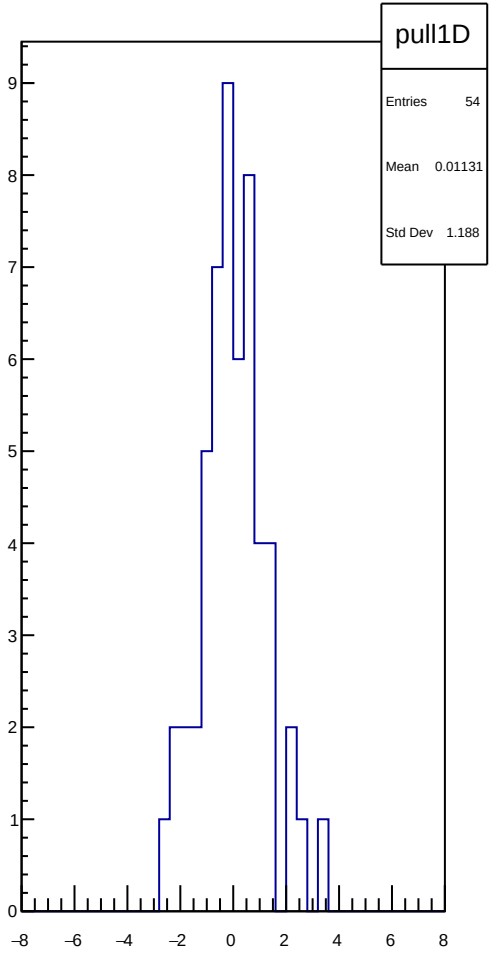

diff_bpm1p02bX_rms vs run
χ² / ndf 5007 / 53
p0 1412 ± 1.4
1800
1700
1600
1500
1400
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

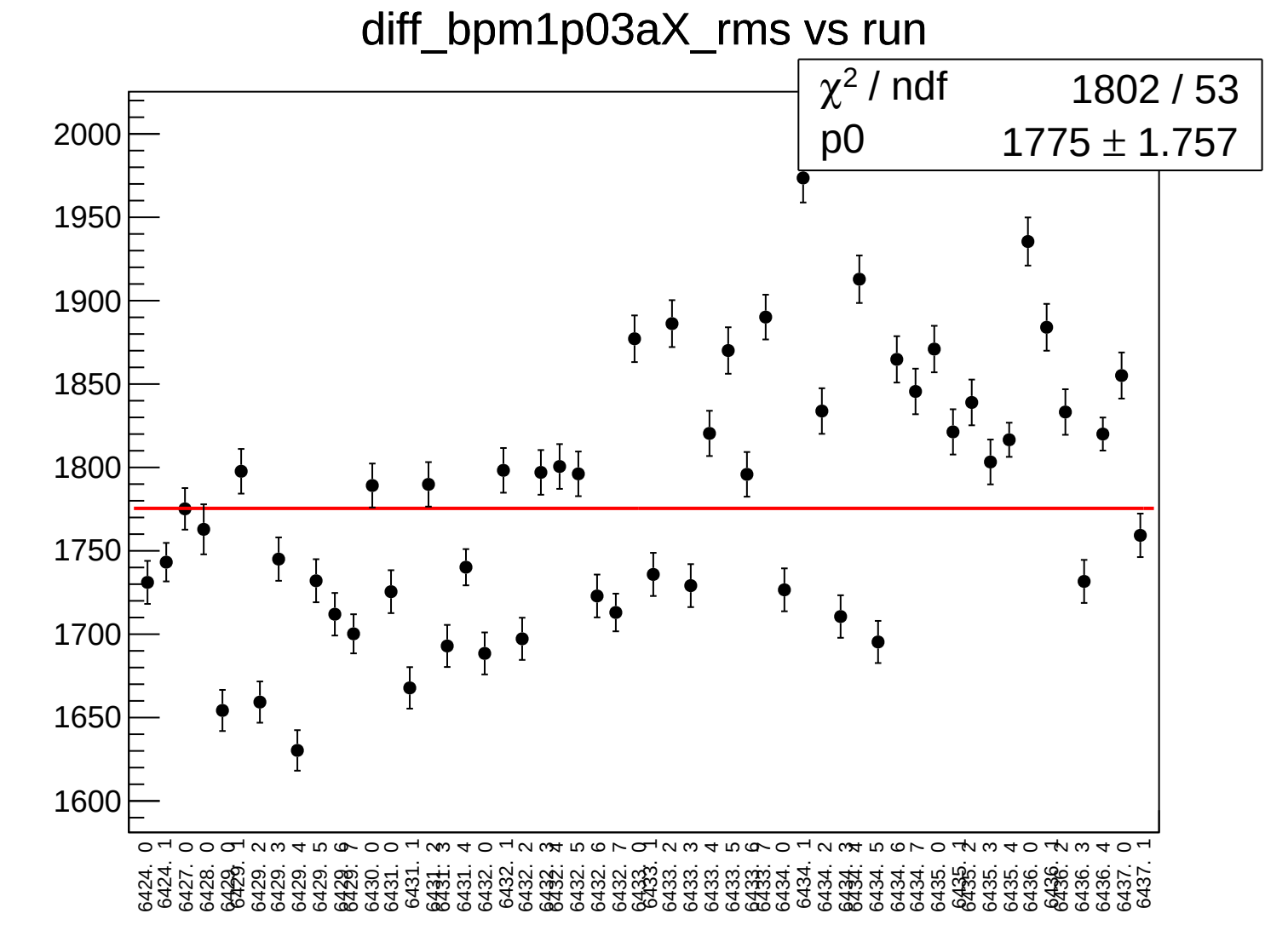

diff_bpm1p02bY_mean vs run
χ² / ndf 48.93 / 53
p0 −3.334 ± 2.907
pull
Entries 54
Mean 183.6
Std Dev 0

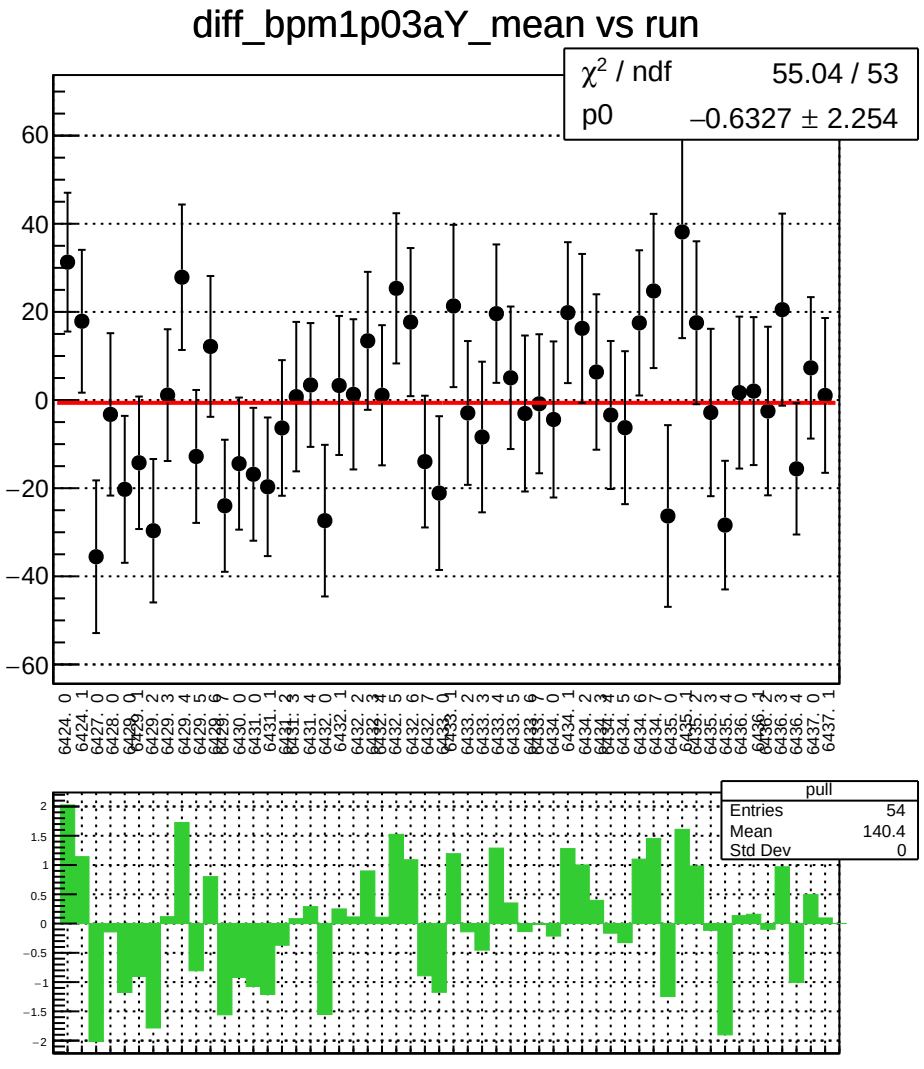

pull1D
Entries 54
Mean 0.02195
Std Dev 0.9517

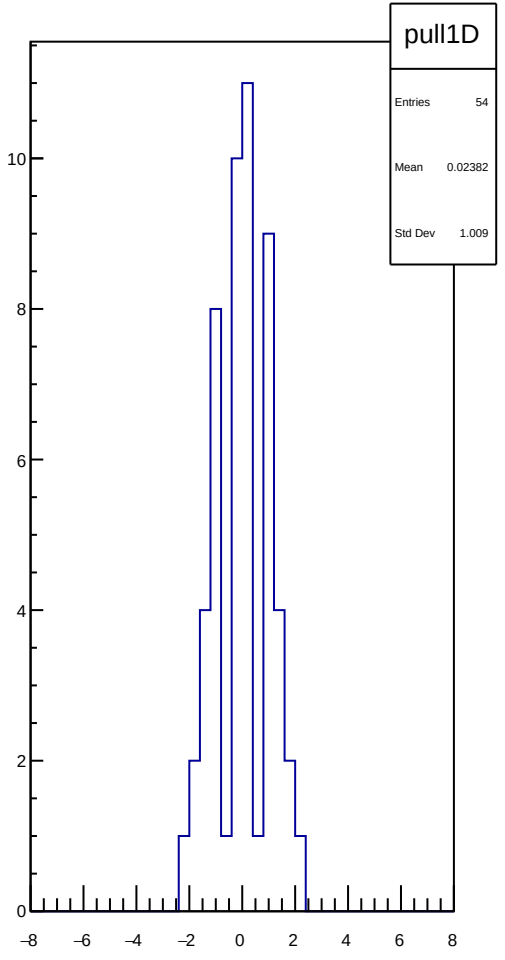

diff_bpm1p02bY_rms vs run
χ² / ndf 4599 / 53
p0 2074 ± 2.056
2600
2500
2400
2300
2200
2100
2000
1900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

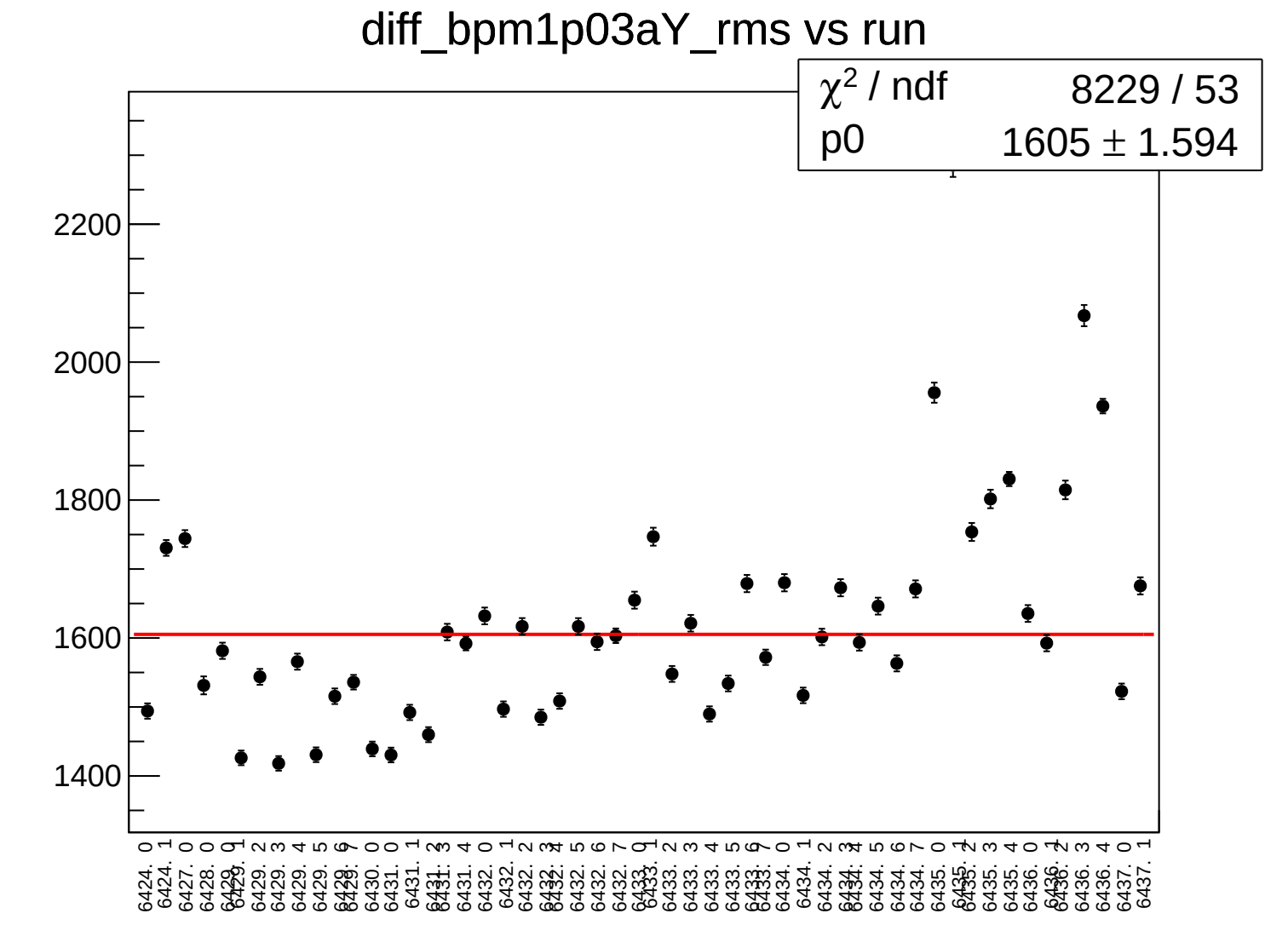

diff_bpm1p03aX_mean vs run
χ² / ndf 76.25 / 53
p0 –0.2419 ± 2.485
pull
Entries 54
Mean –59.63
Std Dev 0

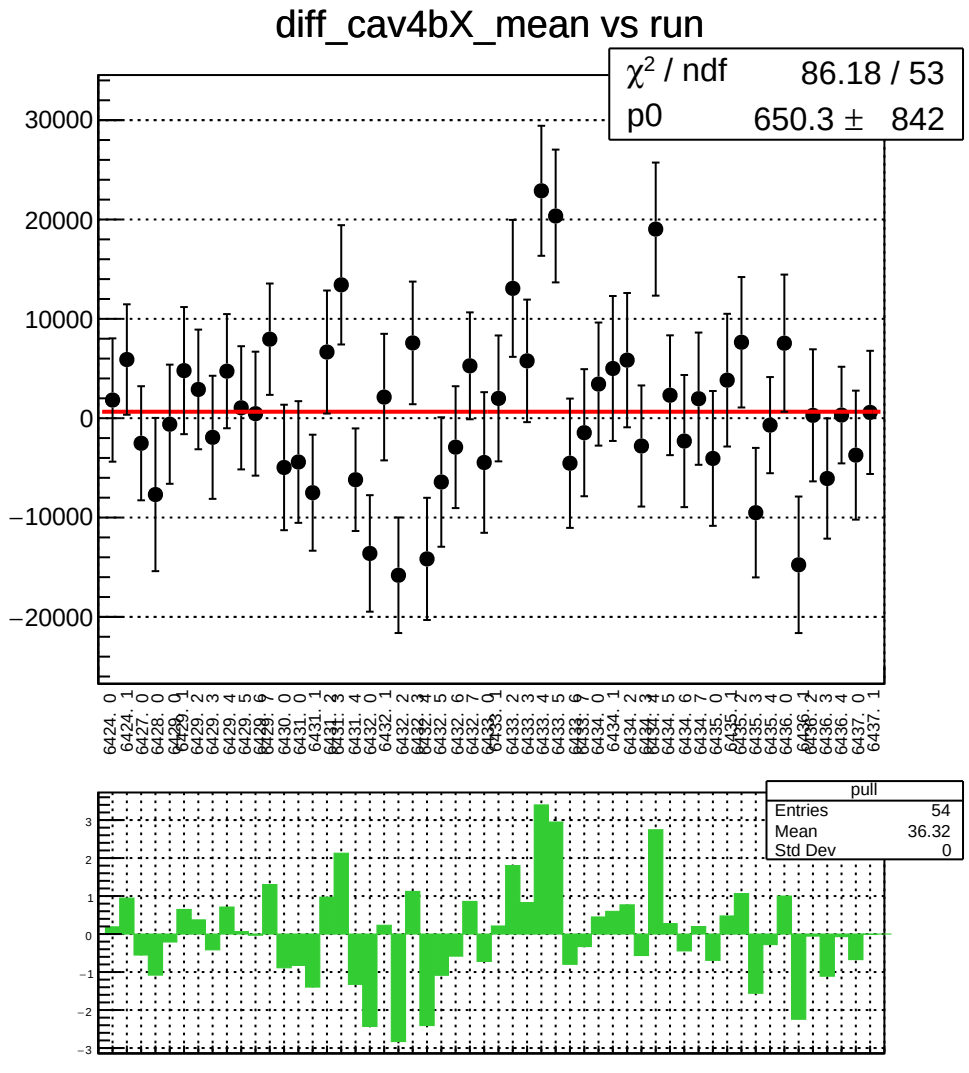

pull1D
Entries 54
Mean 0.01131
Std Dev 1.188

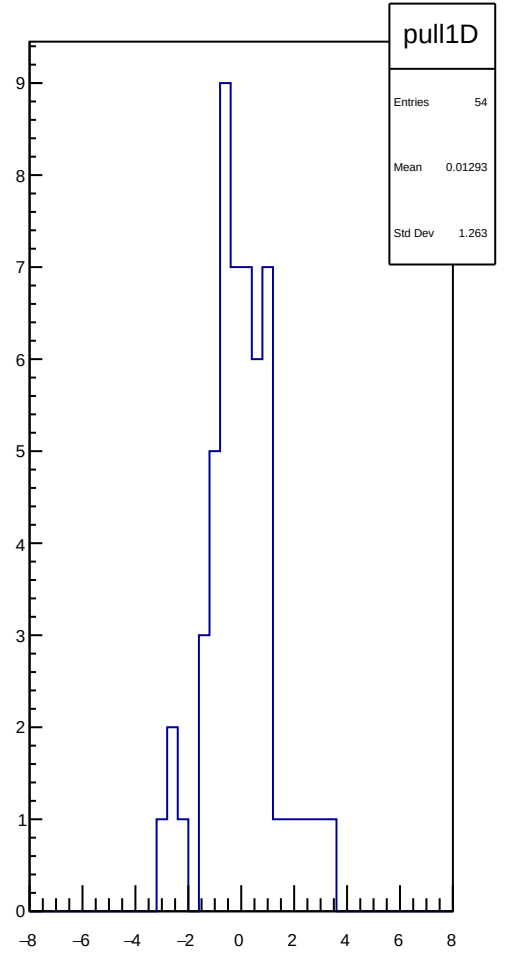

diff_bpm1p03aX_rms vs run
χ² / ndf 1802 / 53
p0 1775 ± 1.757
2000
1950
1900
1850
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

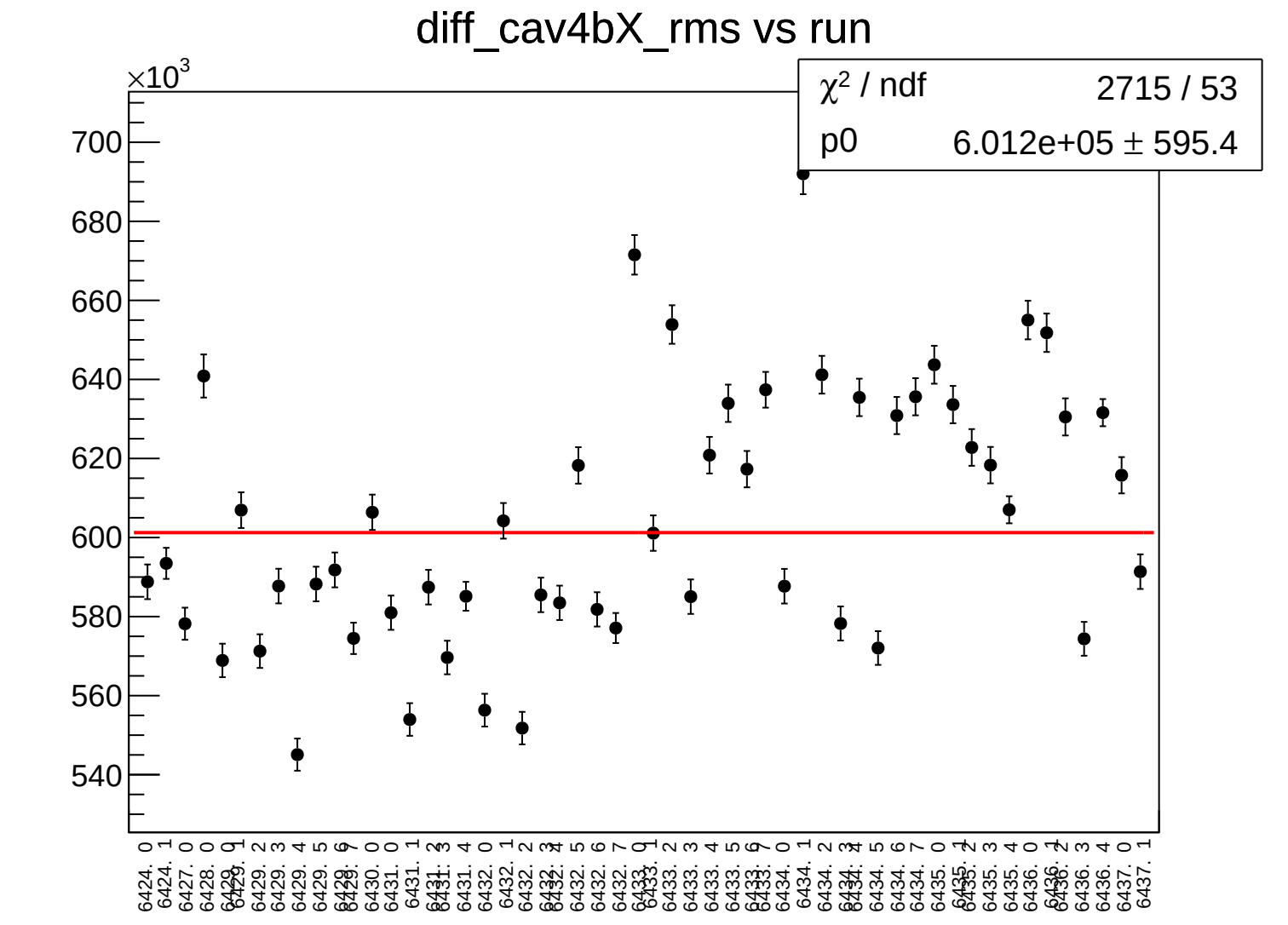

diff_bpm1p03aY_mean vs run
χ² / ndf 55.04 / 53
p0 −0.6327 ± 2.254
pull
Entries 54
Mean 140.4
Std Dev 0

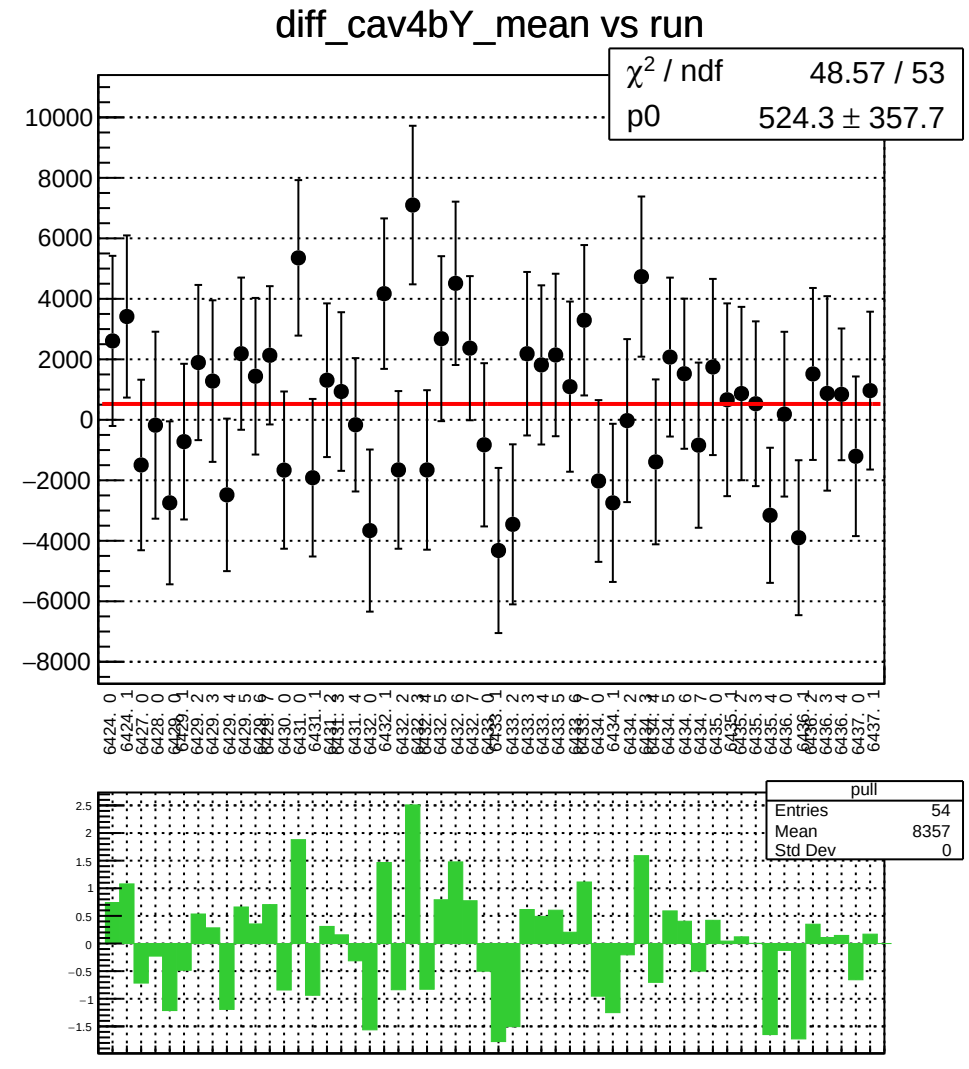

pull1D
Entries 54
Mean 0.02382
Std Dev 1.009

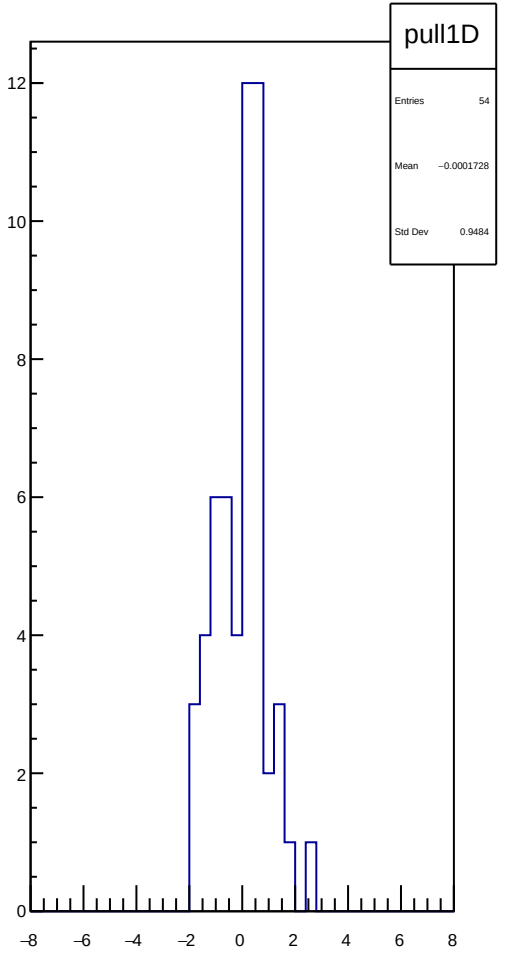

diff_bpm1p03aY_rms vs run
χ² / ndf 8229 / 53
p0 1605 ± 1.594
2200
2000
1800
1600
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

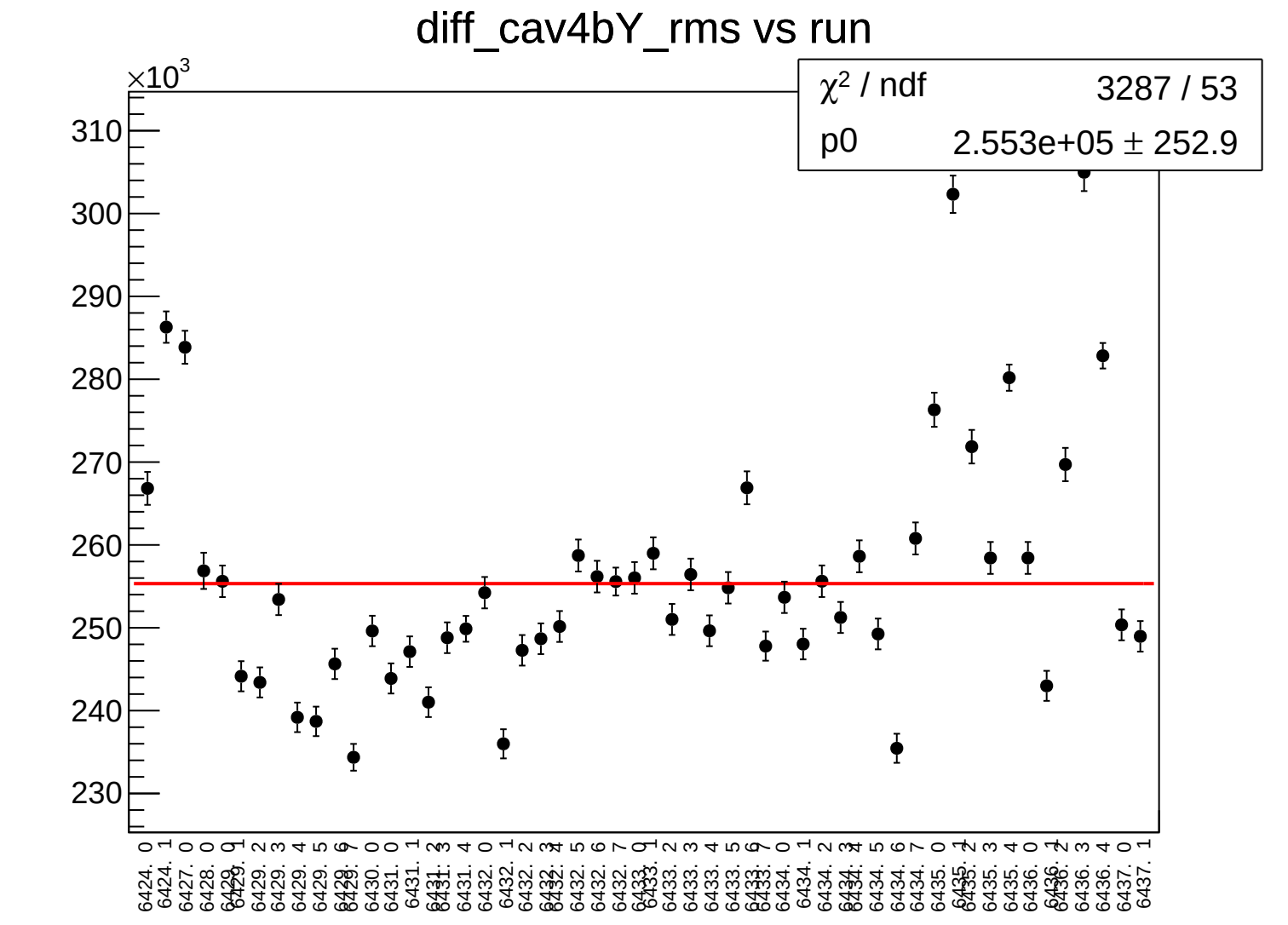

diff_cav4bX_mean vs run
χ² / ndf 86.18 / 53
p0 650.3 ± 842
pull
Entries 54
Mean 36.32
Std Dev 0

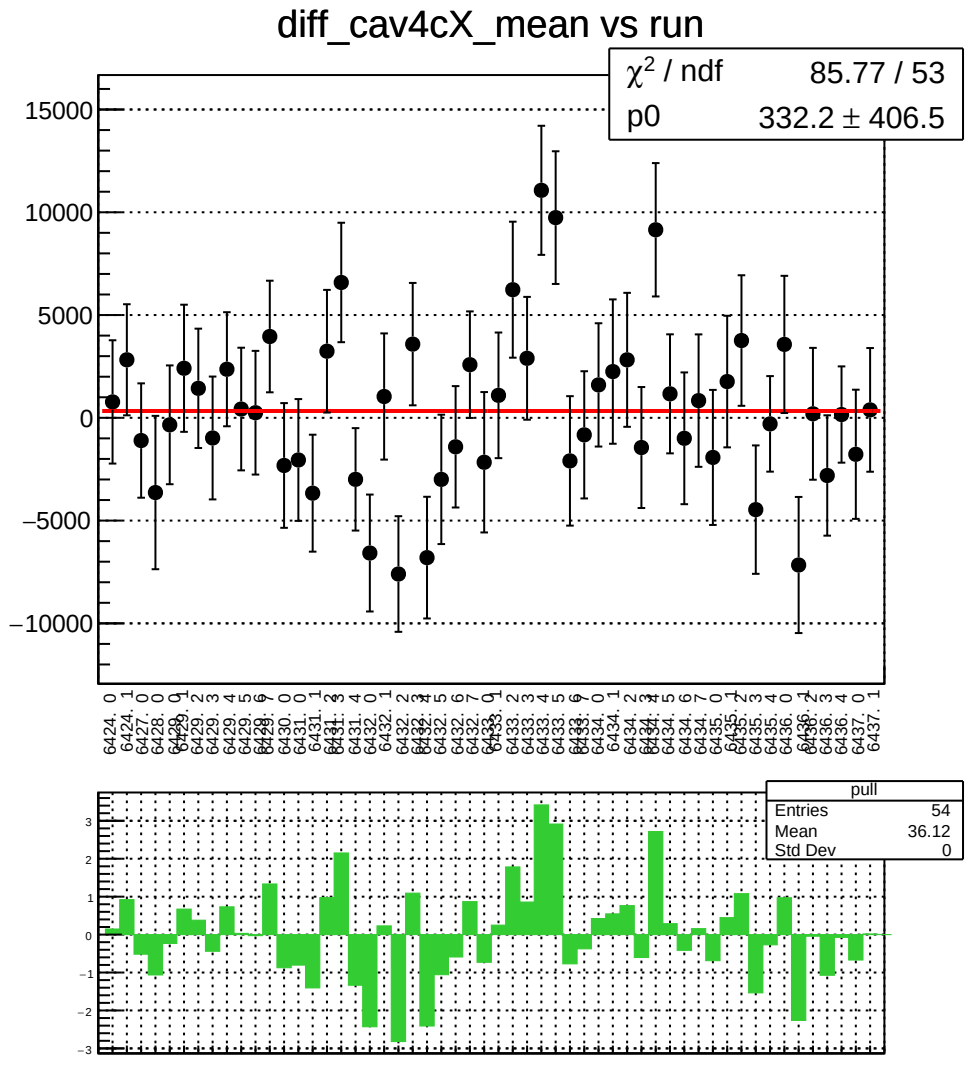

pull1D
Entries 54
Mean 0.01293
Std Dev 1.263

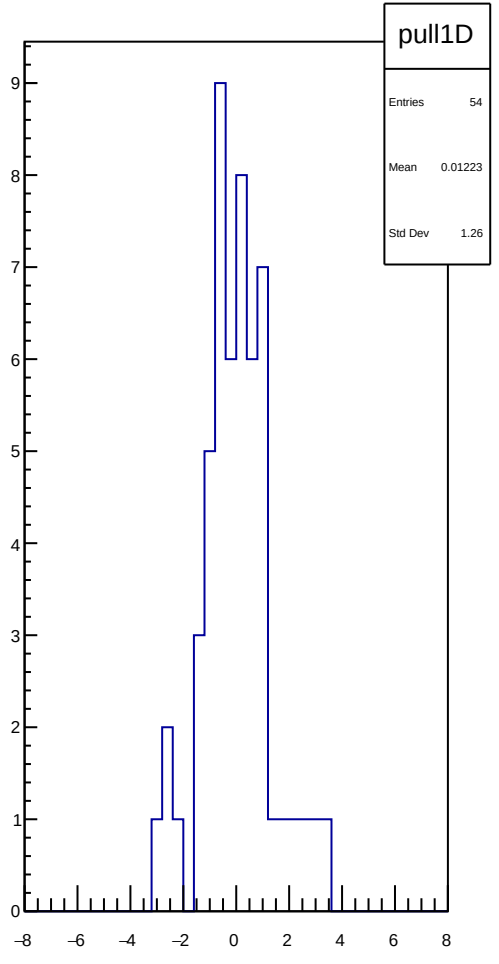

diff_cav4bX_rms vs run
×10^3
χ² / ndf 2715 / 53
p0 6.012e+05 ± 595.4
700
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

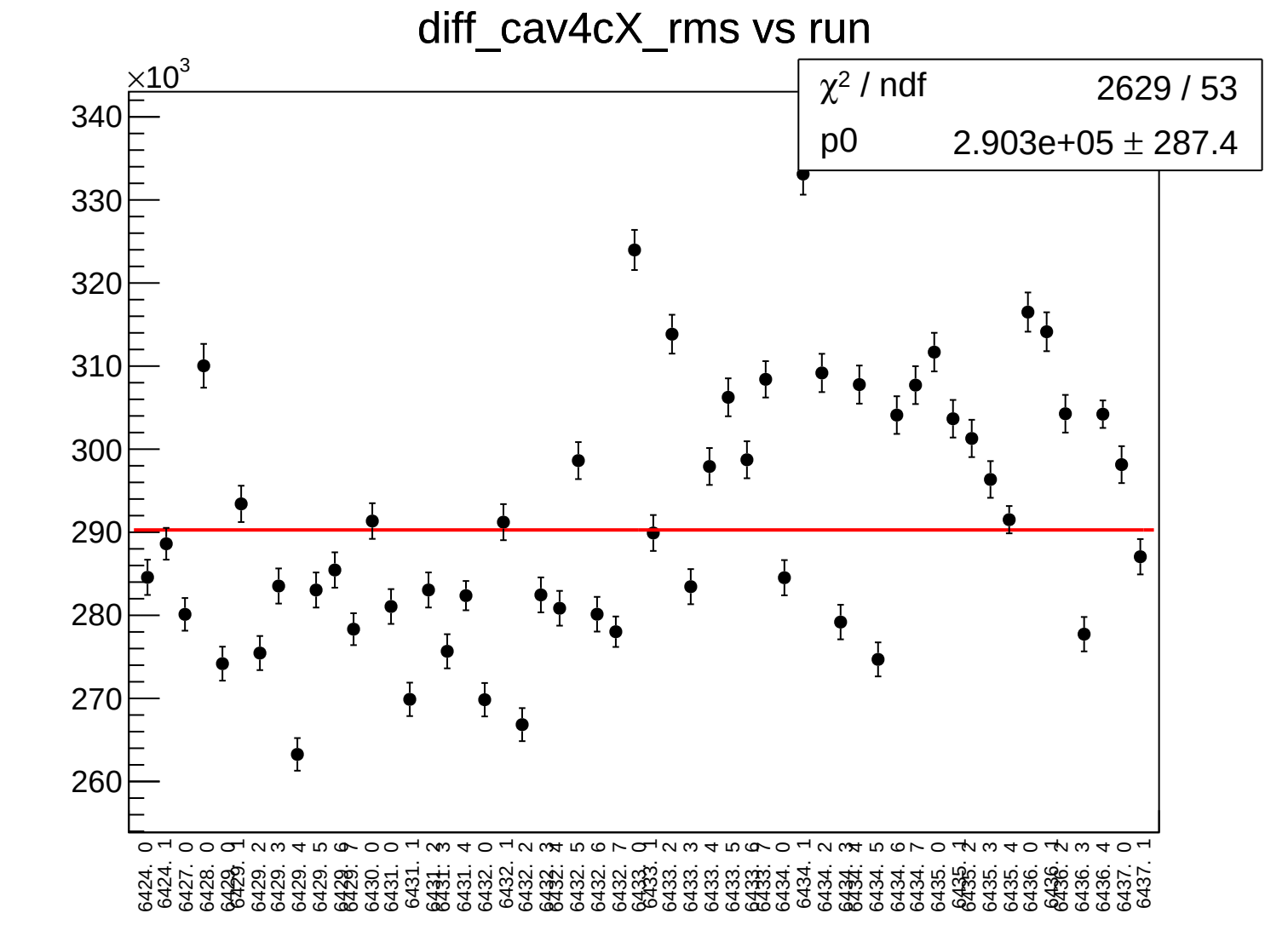

diff_cav4bY_mean vs run
χ² / ndf 48.57 / 53
p0 524.3 ± 357.7
pull
Entries 54
Mean 8357
Std Dev 0

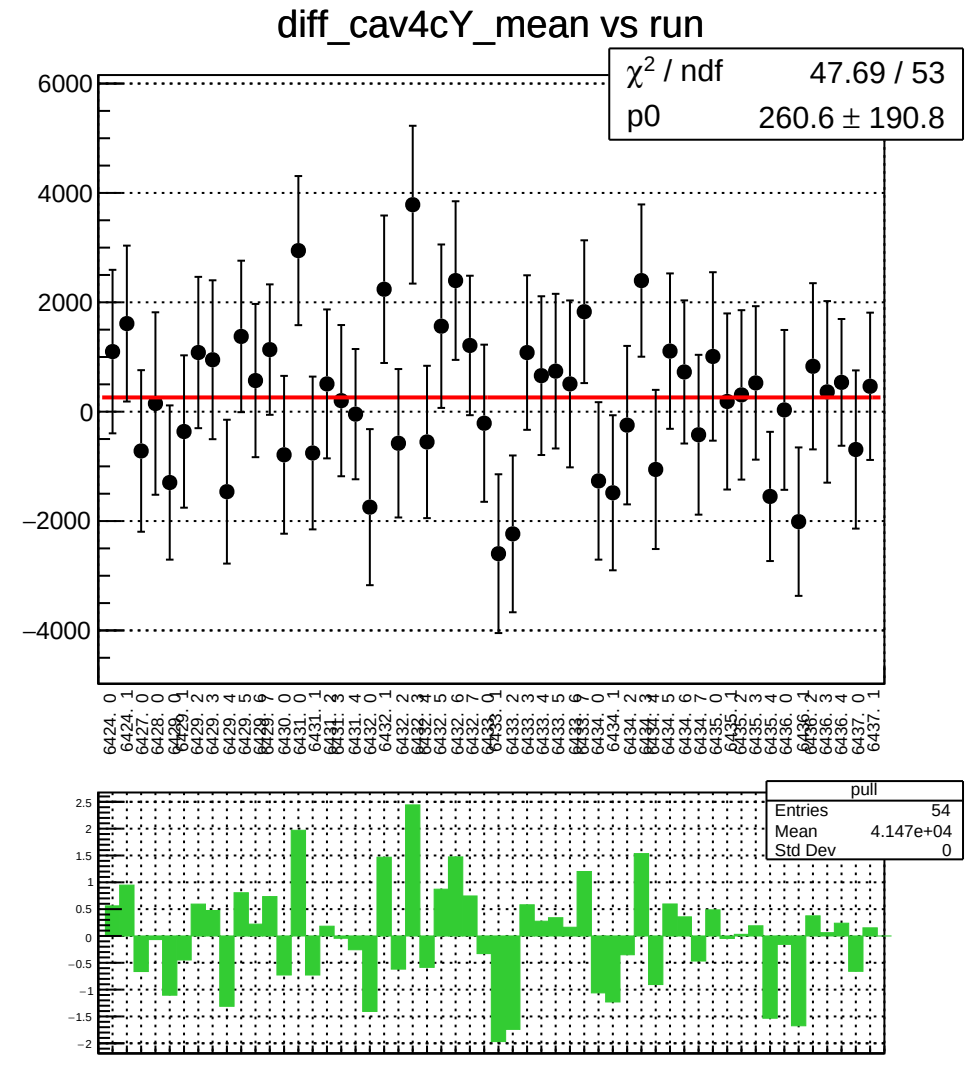

pull1D
Entries 54
Mean −0.0001728
Std Dev 0.9484

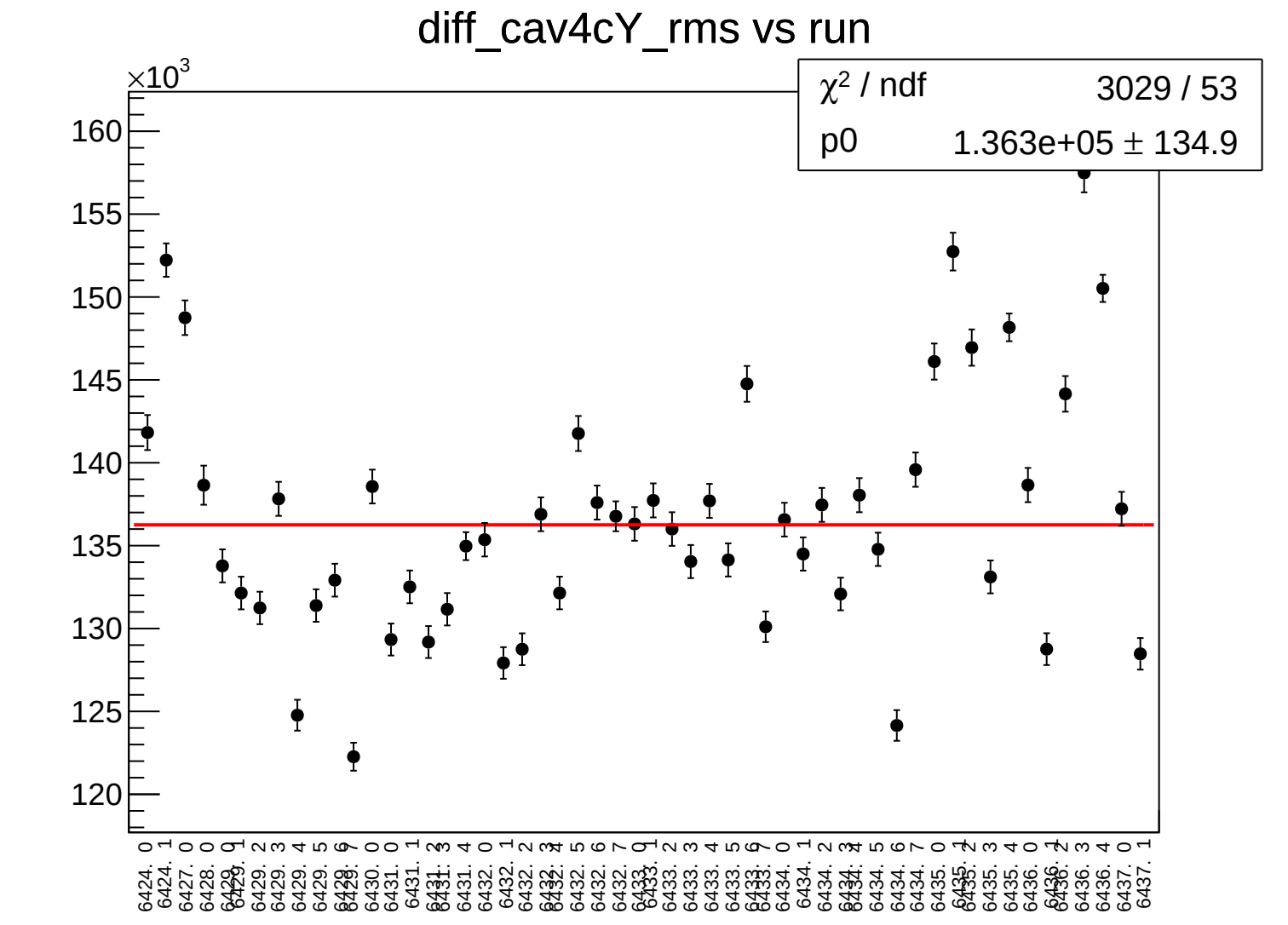

diff_cav4bY_rms vs run
×10^3
χ² / ndf 3287 / 53
p0 2.553e+05 ± 252.9
310
300
290
280
270
260
250
240
230
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

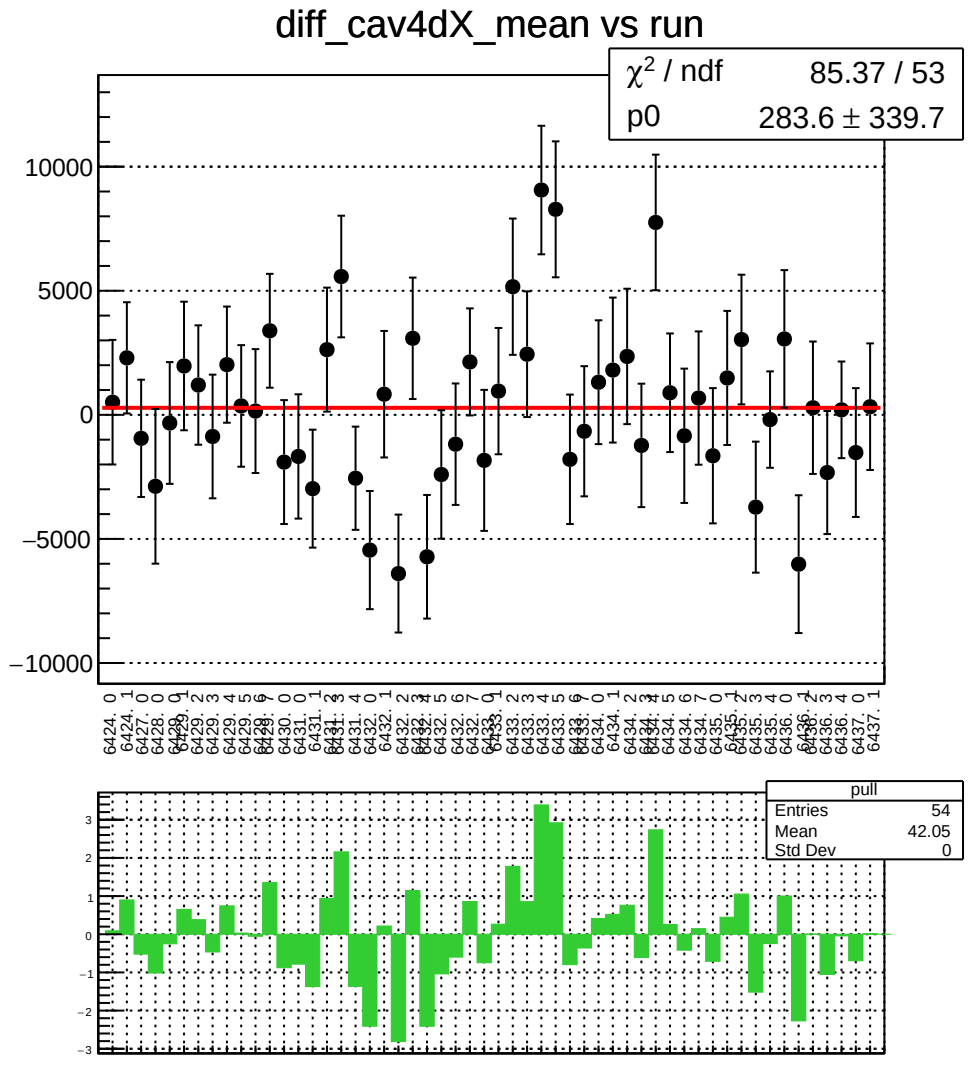

diff_cav4cX_mean vs run
χ² / ndf 85.77 / 53
p0 332.2 ± 406.5
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 36.12
Std Dev 0
3
2
1
0
−1
−2
−3

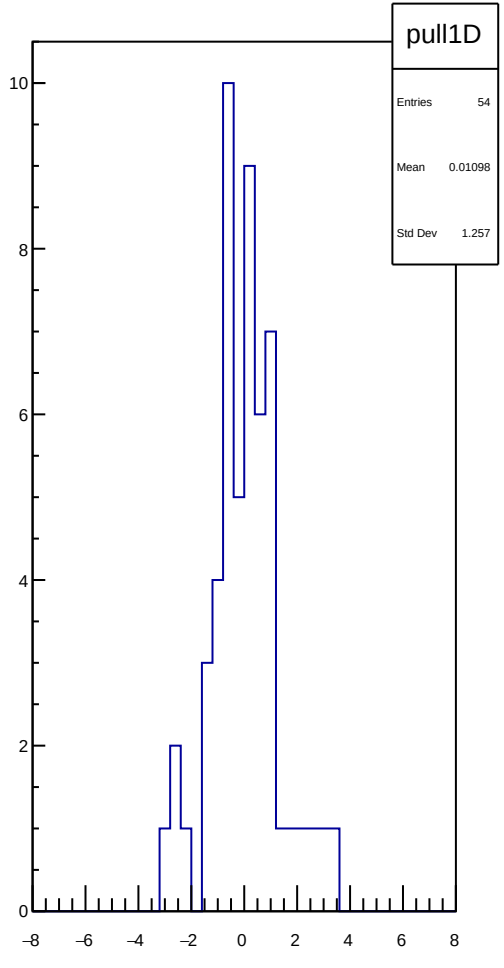

pull1D
Entries 54
Mean 0.01223
Std Dev 1.26
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

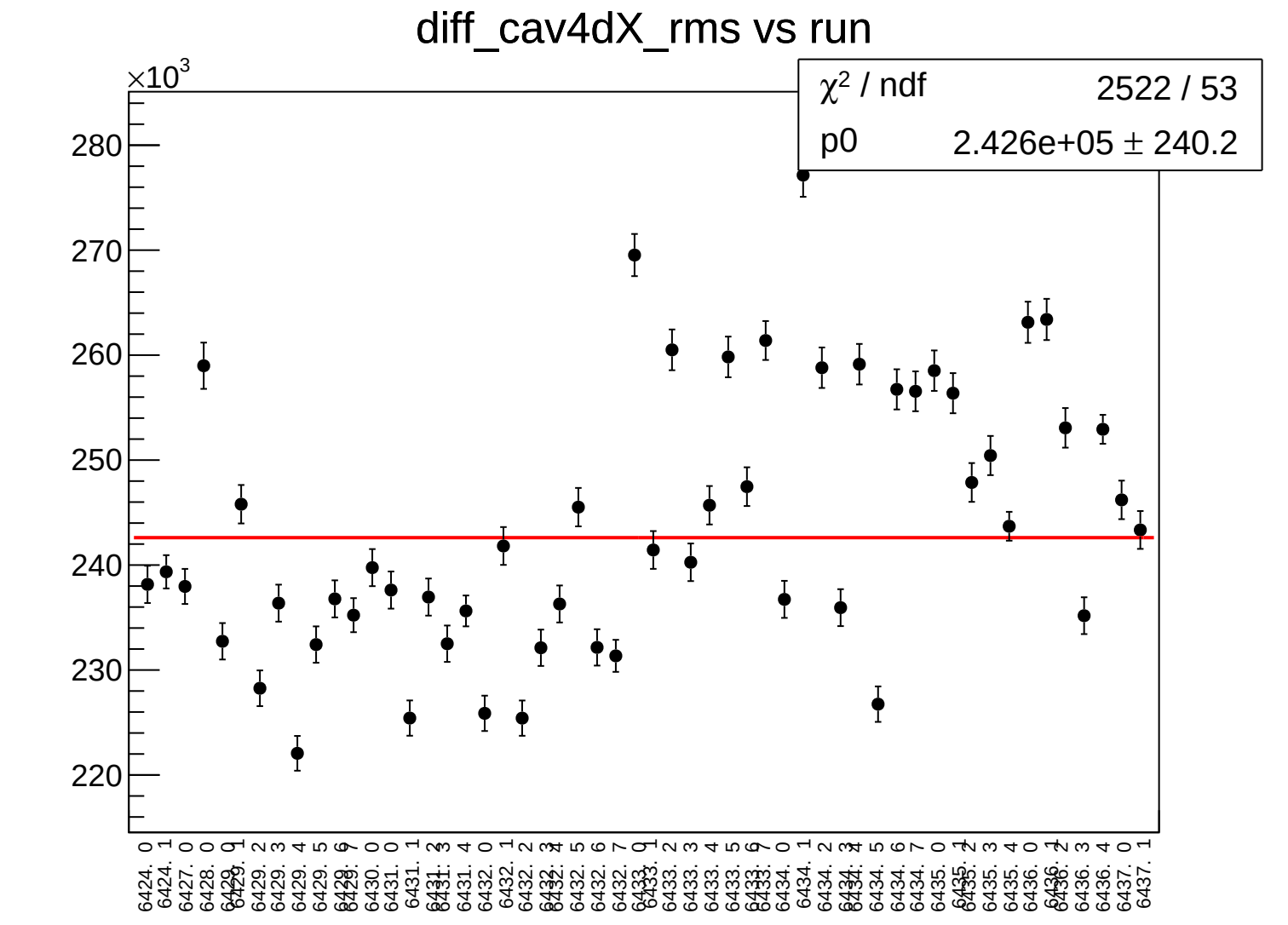

diff_cav4cX_rms vs run
×10^3
χ² / ndf 2629 / 53
p0 2.903e+05 ± 287.4
340
330
320
310
300
290
280
270
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

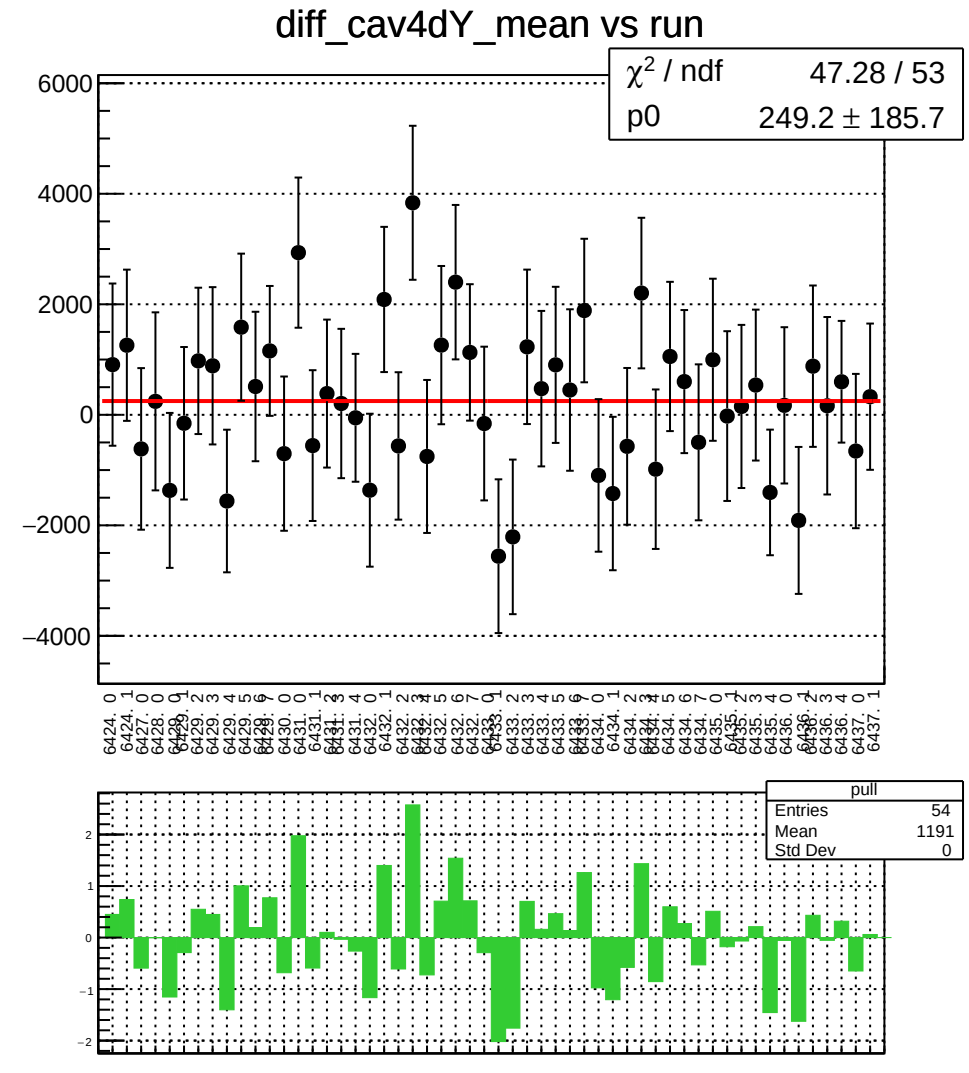

diff_cav4cY_mean vs run
χ² / ndf 47.69 / 53
p0 260.6 ± 190.8
pull
Entries 54
Mean 4.147e+04
Std Dev 0
pull1D
Entries 54
Mean −4.003e−05
Std Dev 0.9397

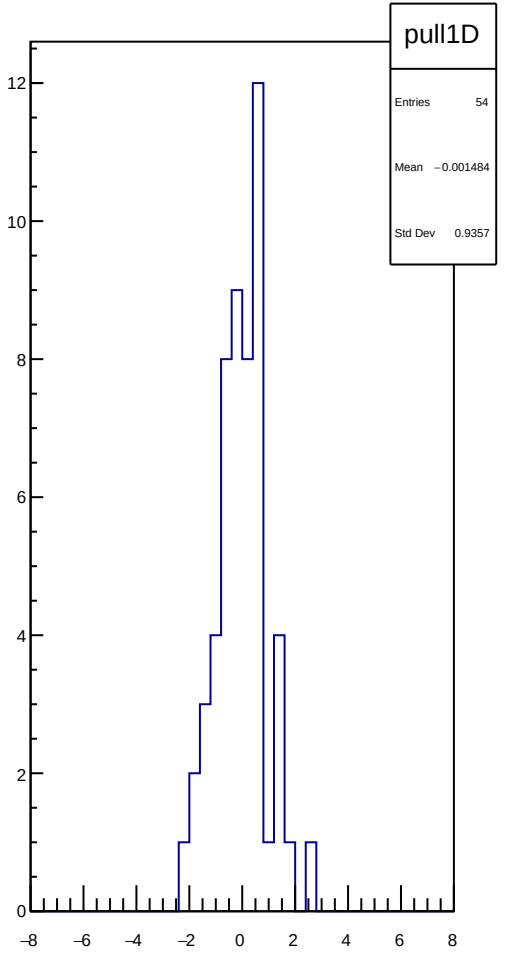

diff_cav4cY_rms vs run
×10^3
χ² / ndf 3029 / 53
p0 1.363e+05 ± 134.9
160
155
150
145
140
135
130
125
120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

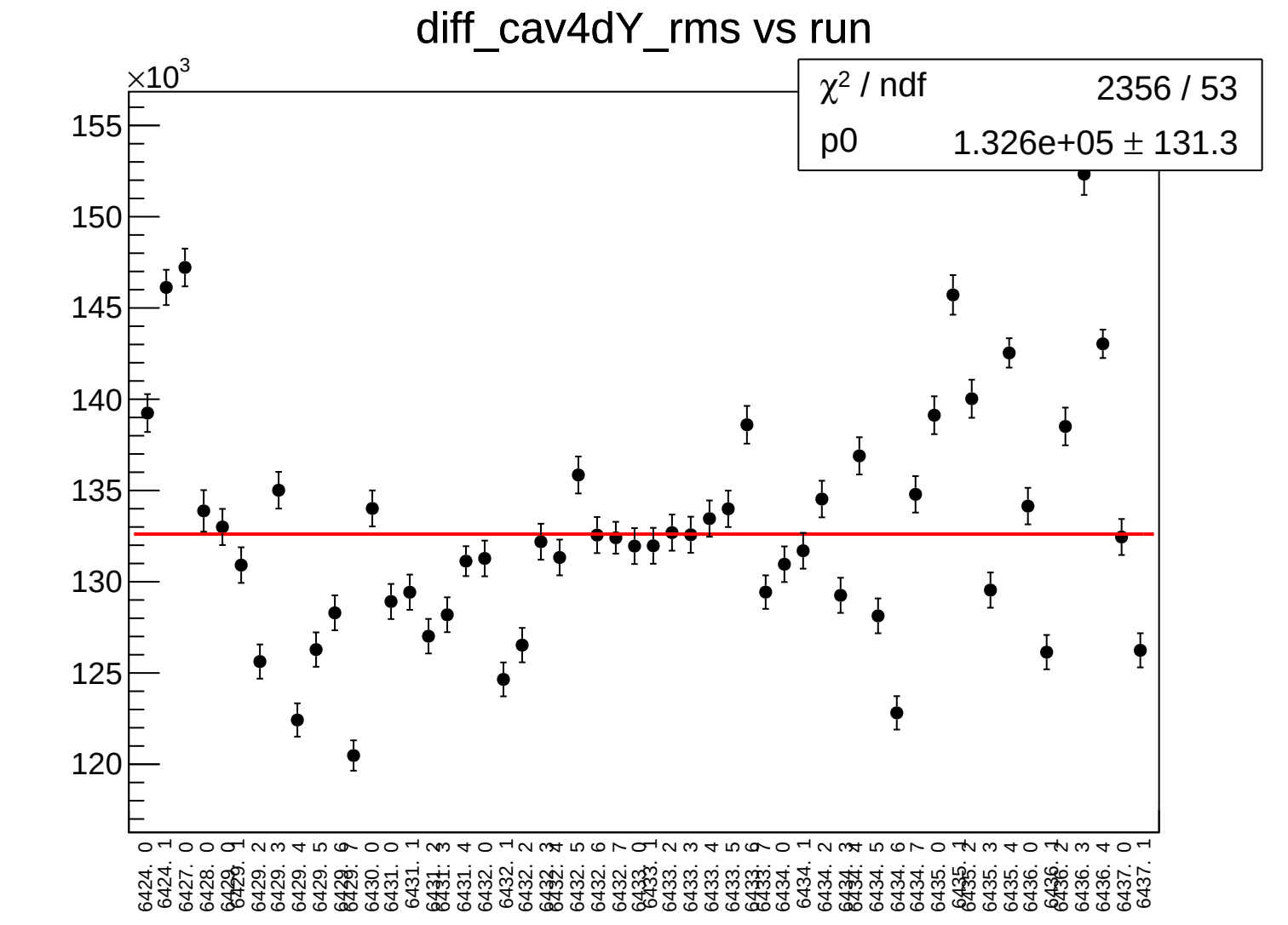

diff_cav4dX_mean vs run
χ² / ndf 85.37 / 53
p0 283.6 ± 339.7
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 42.05
Std Dev 0
3
2
1
0
−1
−2
−3

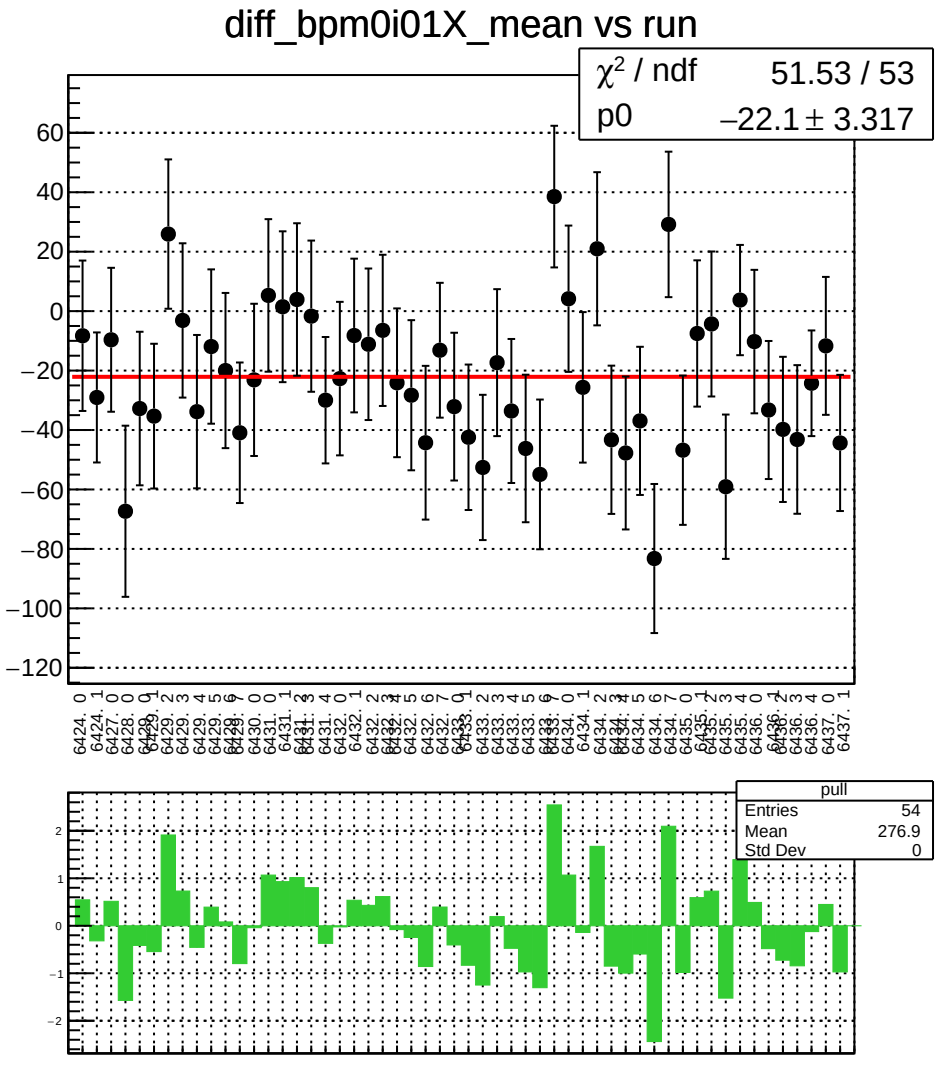

pull1D
Entries 54
Mean 0.01098
Std Dev 1.257
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

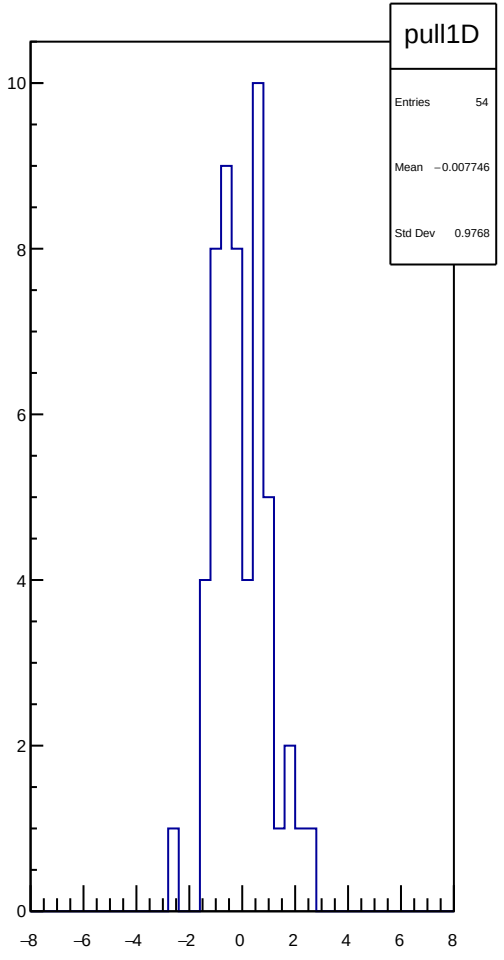

diff_cav4dX_rms vs run
×10^3
280
270
260
250
240
230
220
χ² / ndf 2522 / 53
p0 2.426e+05 ± 240.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

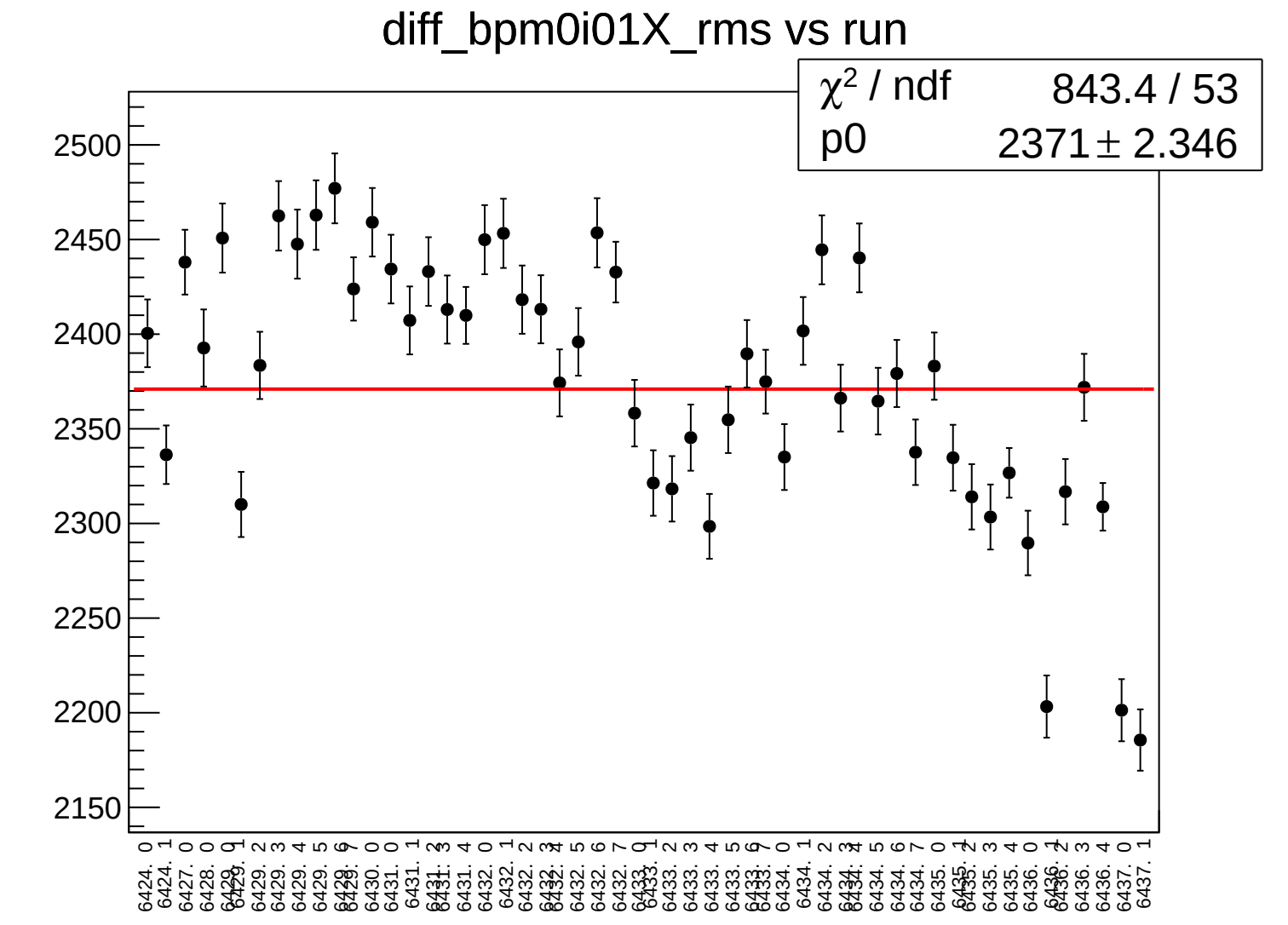

diff_cav4dY_mean vs run
χ² / ndf 47.28 / 53
p0 249.2 ± 185.7
pull
Entries 54
Mean 1191
Std Dev 0

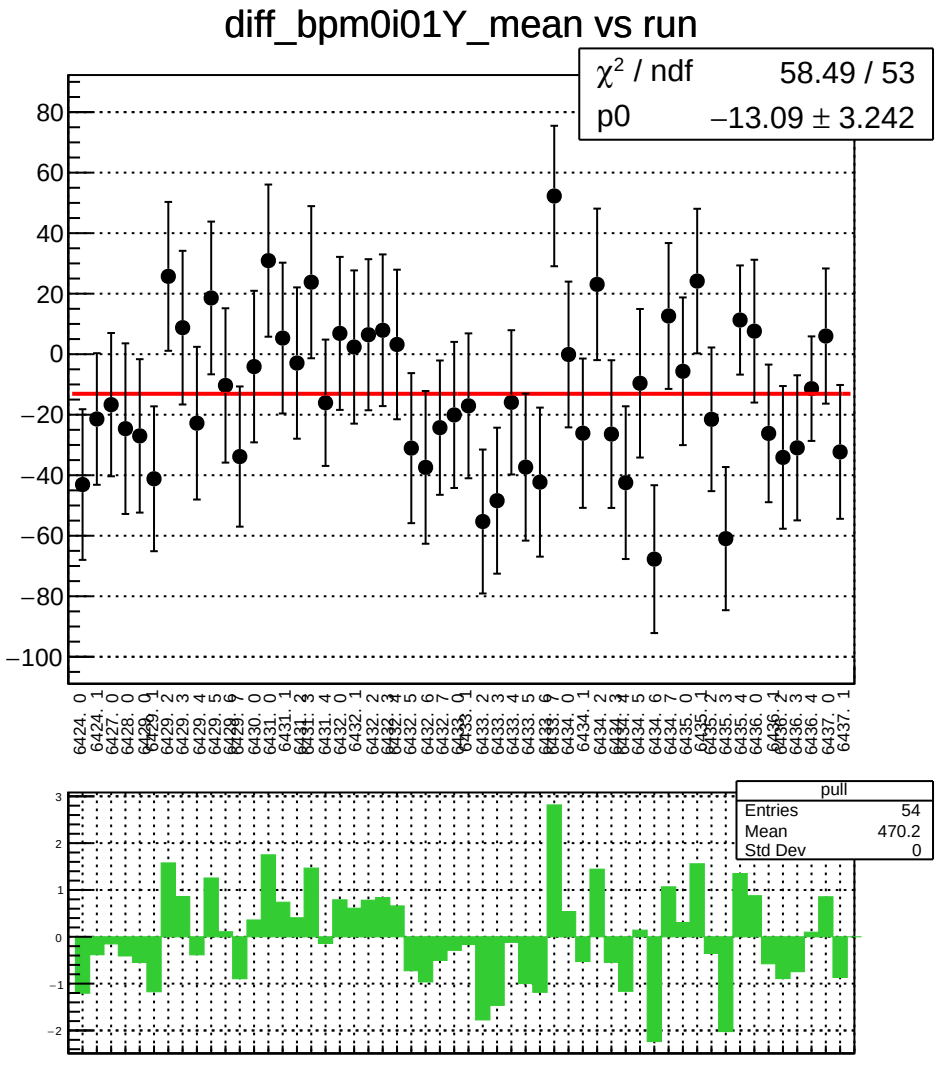

pull1D
Entries 54
Mean −0.001484
Std Dev 0.9357

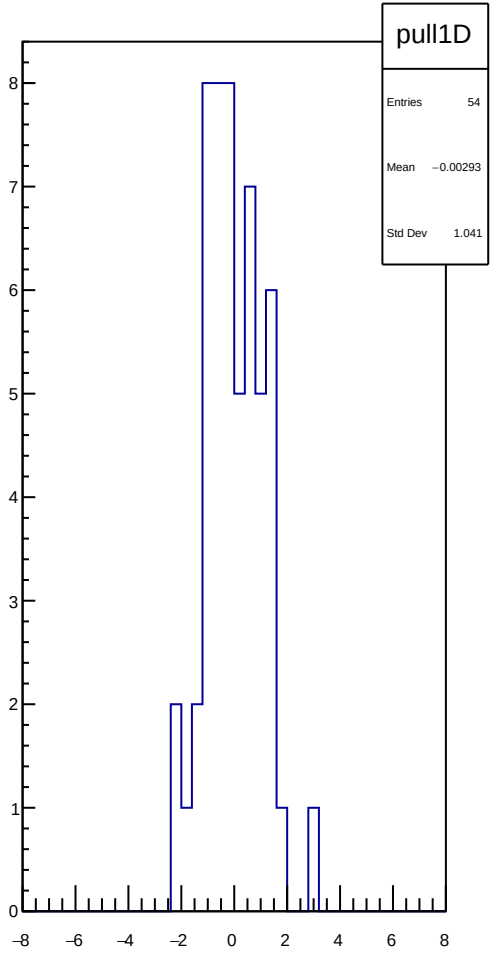

diff_cav4dY_rms vs run
×10^3
χ² / ndf 2356 / 53
p0 1.326e+05 ± 131.3
155
150
145
140
135
130
125
120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

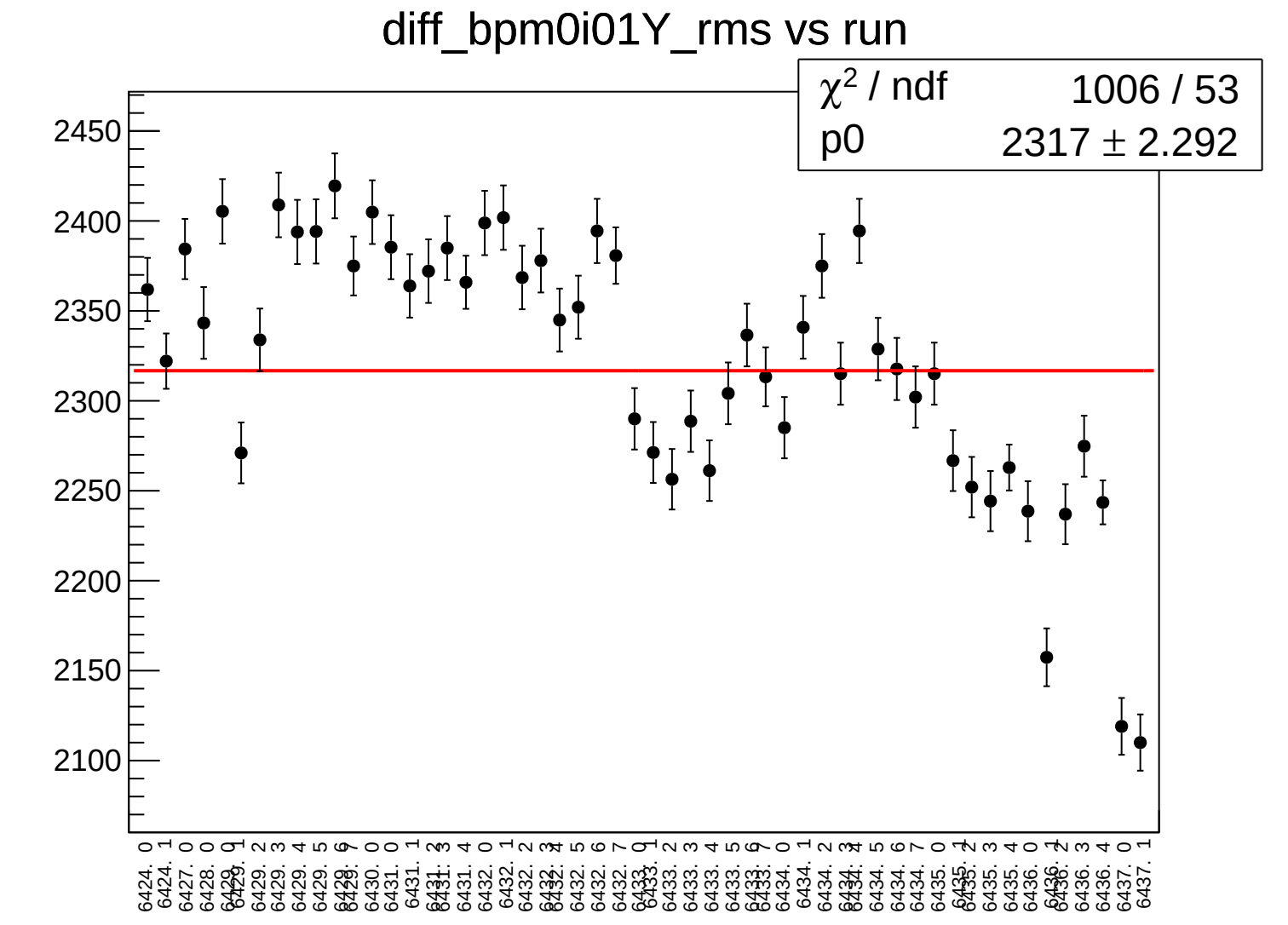

diff_bpm0i01X_mean vs run
χ² / ndf 51.53 / 53
p0 −22.1 ± 3.317
pull
Entries 54
Mean 276.9
Std Dev 0

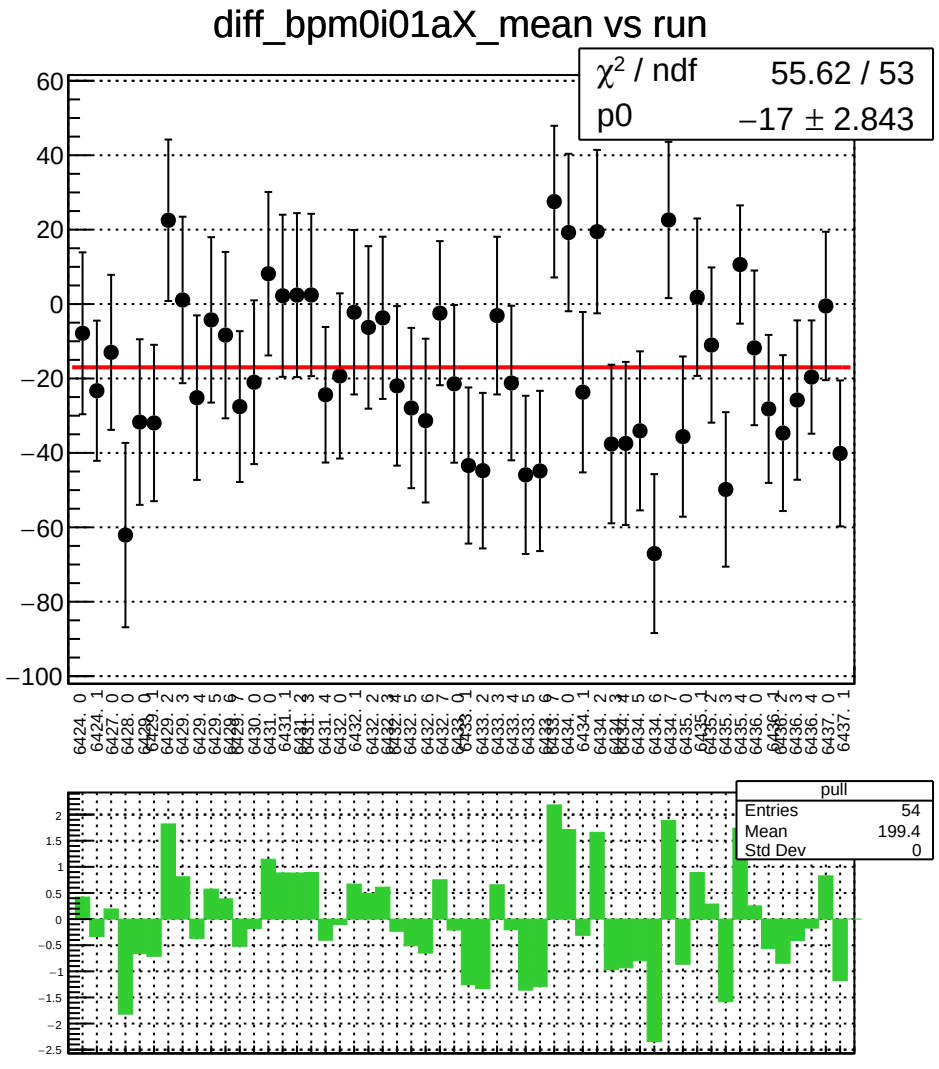

pull1D
Entries 54
Mean −0.007746
Std Dev 0.9768

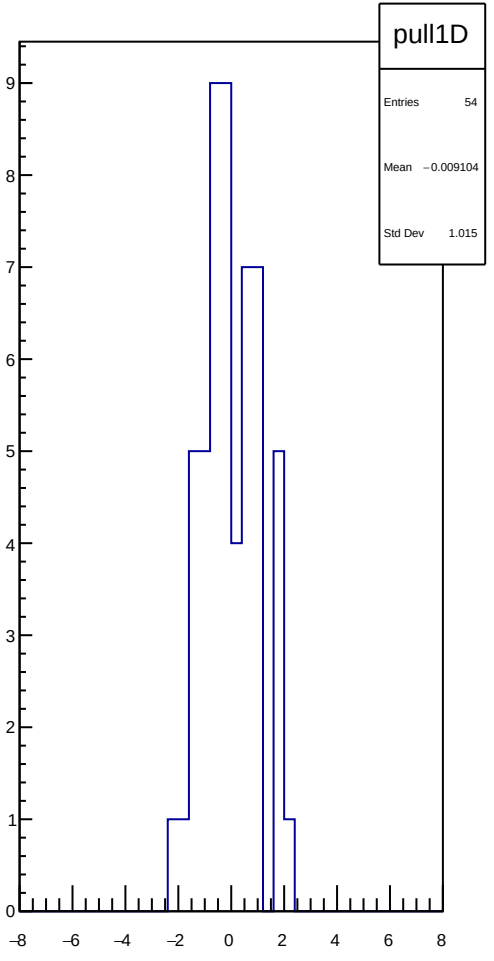

diff_bpm0i01X_rms vs run
χ² / ndf 843.4 / 53
p0 2371 ± 2.346
2500
2450
2400
2350
2300
2250
2200
2150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

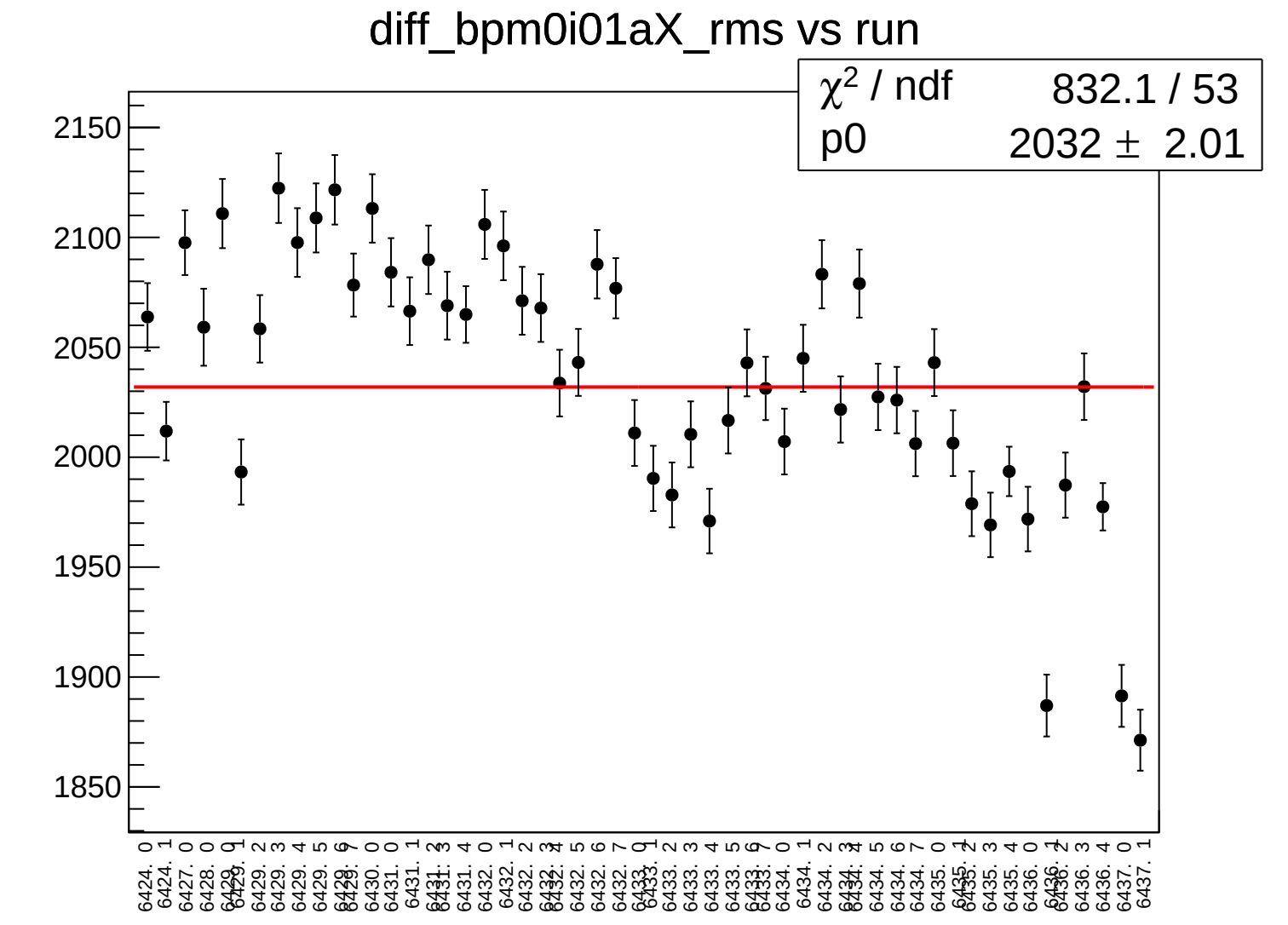

diff_bpm0i01Y_mean vs run
χ² / ndf 58.49 / 53
p0 −13.09 ± 3.242
pull
Entries 54
Mean 470.2
Std Dev 0

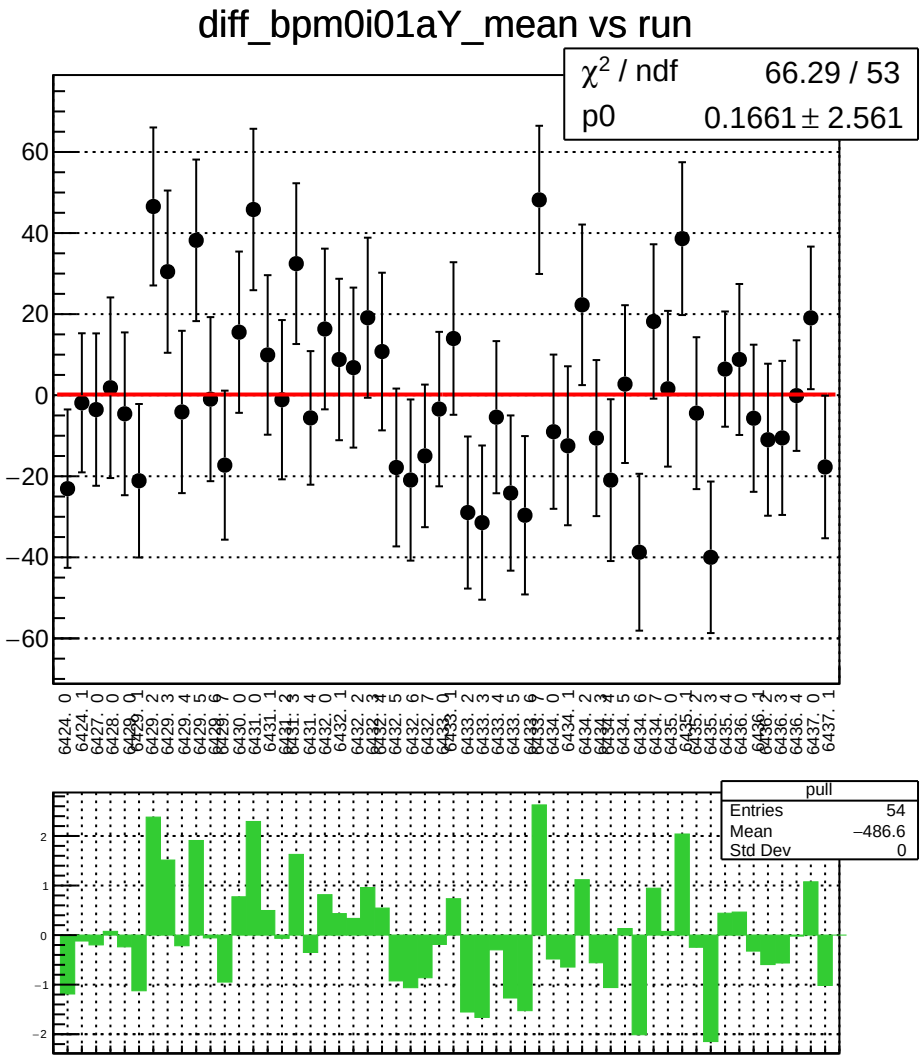

pull1D
Entries 54
Mean −0.00293
Std Dev 1.041

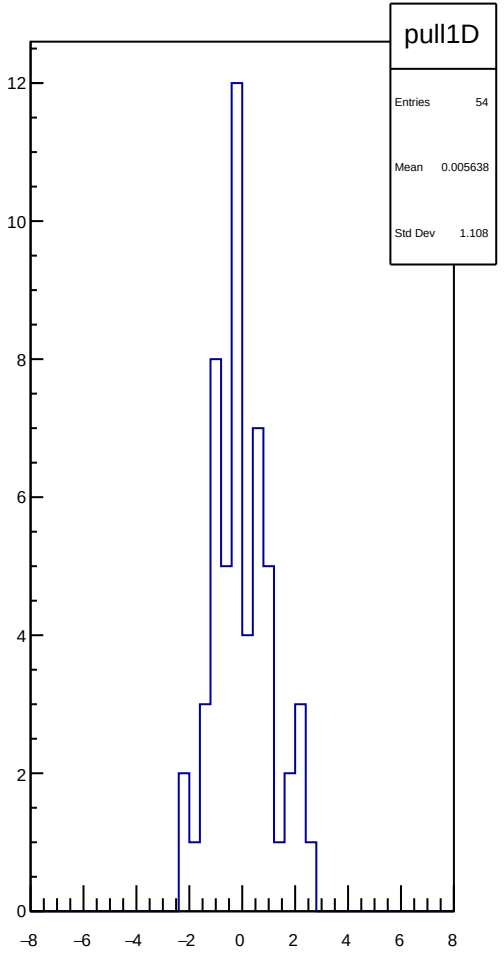

diff_bpm0i01Y_rms vs run
χ² / ndf 1006 / 53
p0 2317 ± 2.292
2450
2400
2350
2300
2250
2200
2150
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

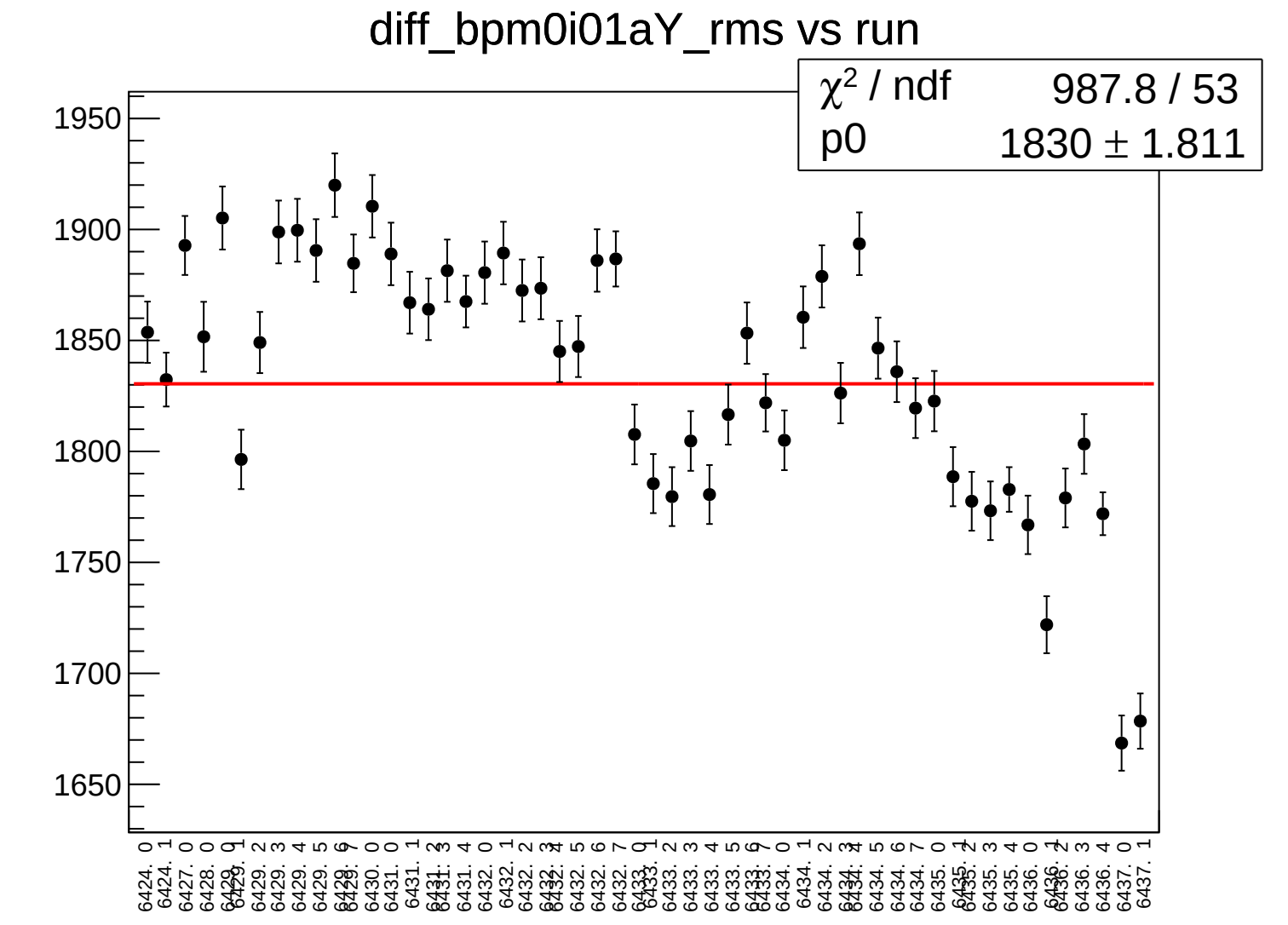

diff_bpm0i01aX_mean vs run
χ² / ndf 55.62 / 53
p0 −17 ± 2.843
pull
Entries 54
Mean 199.4
Std Dev 0

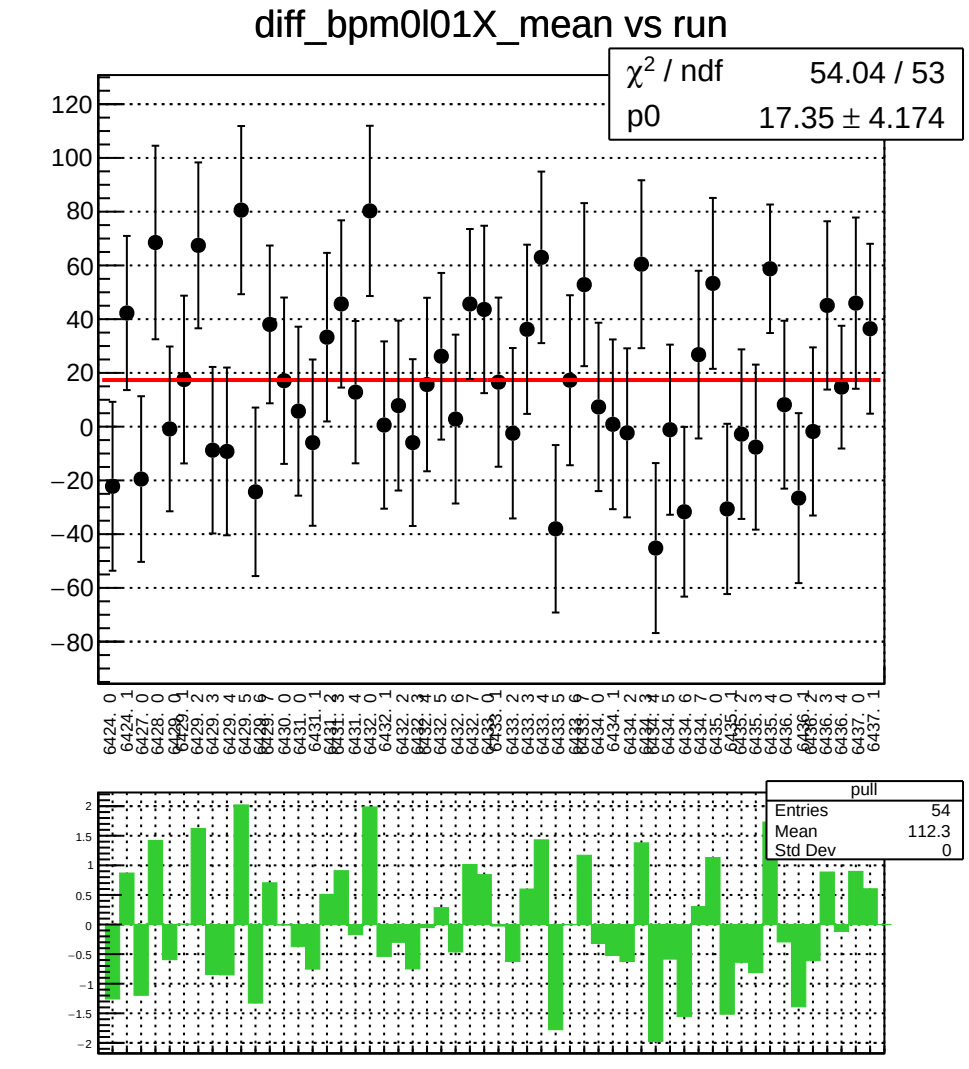

pull1D
Entries 54
Mean −0.009104
Std Dev 1.015

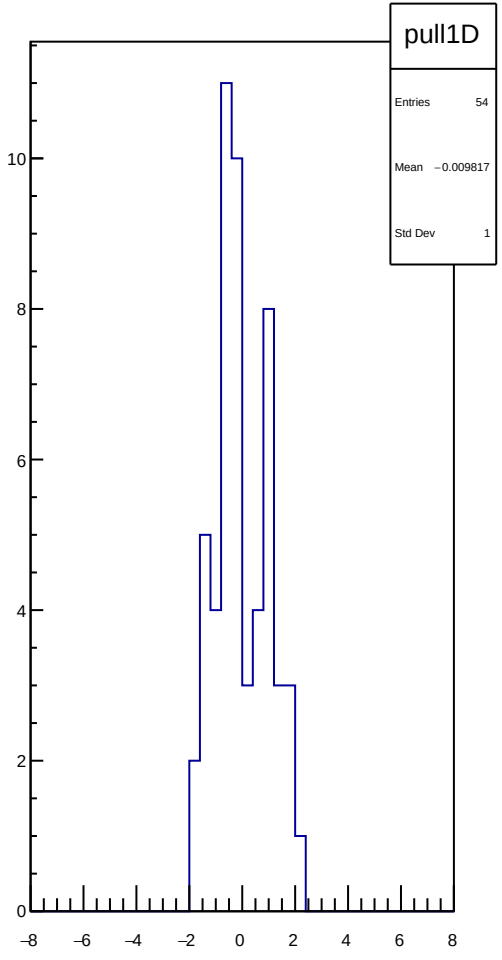

diff_bpm0i01aX_rms vs run
χ² / ndf 832.1 / 53
p0 2032 ± 2.01
2150
2100
2050
2000
1950
1900
1850
6424. 0
6424. 1
6427. 0
6428. 0
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

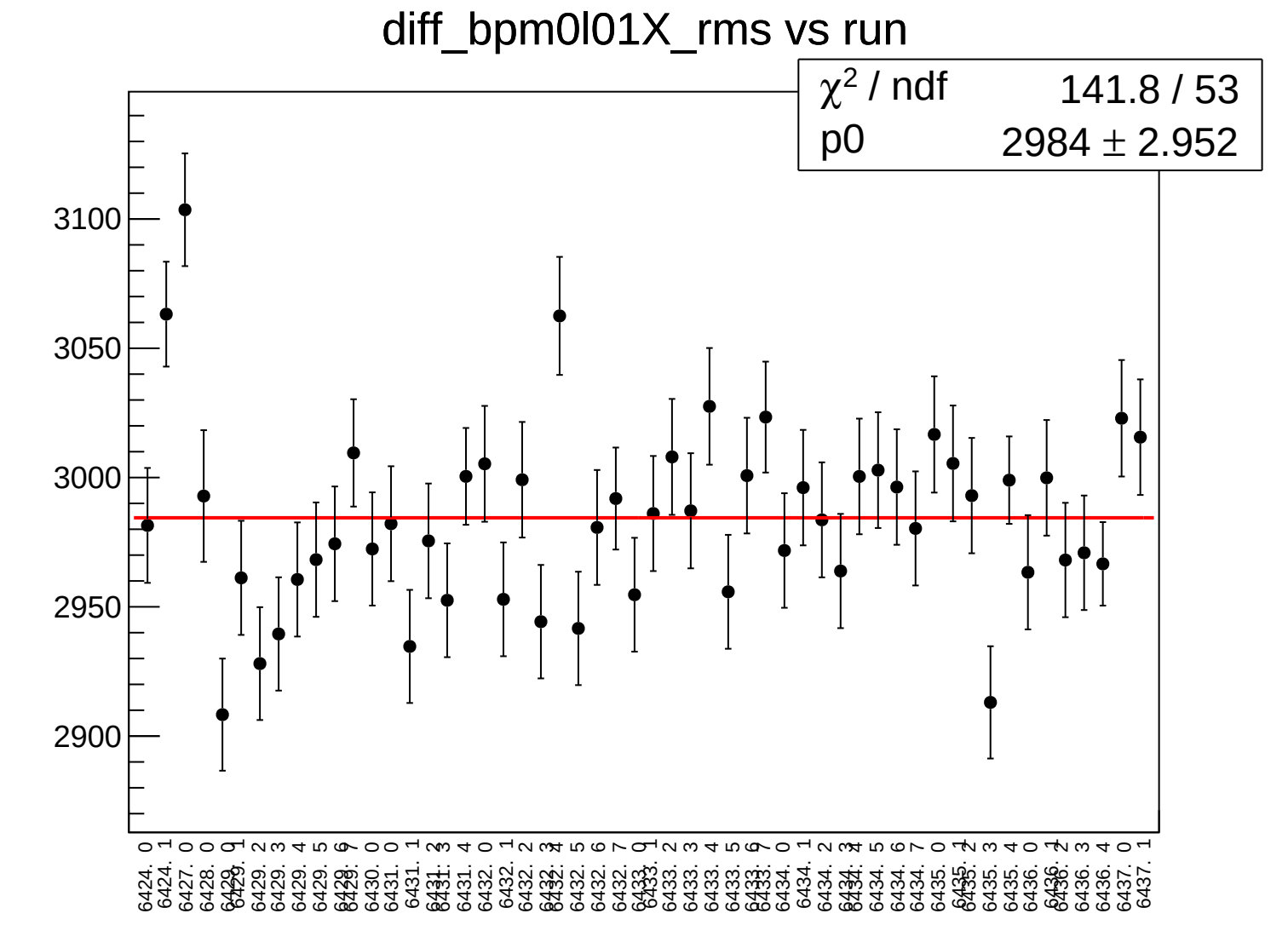

diff_bpm0i01aY_mean vs run
χ² / ndf 66.29 / 53
p0 0.1661 ± 2.561
pull
Entries 54
Mean −486.6
Std Dev 0

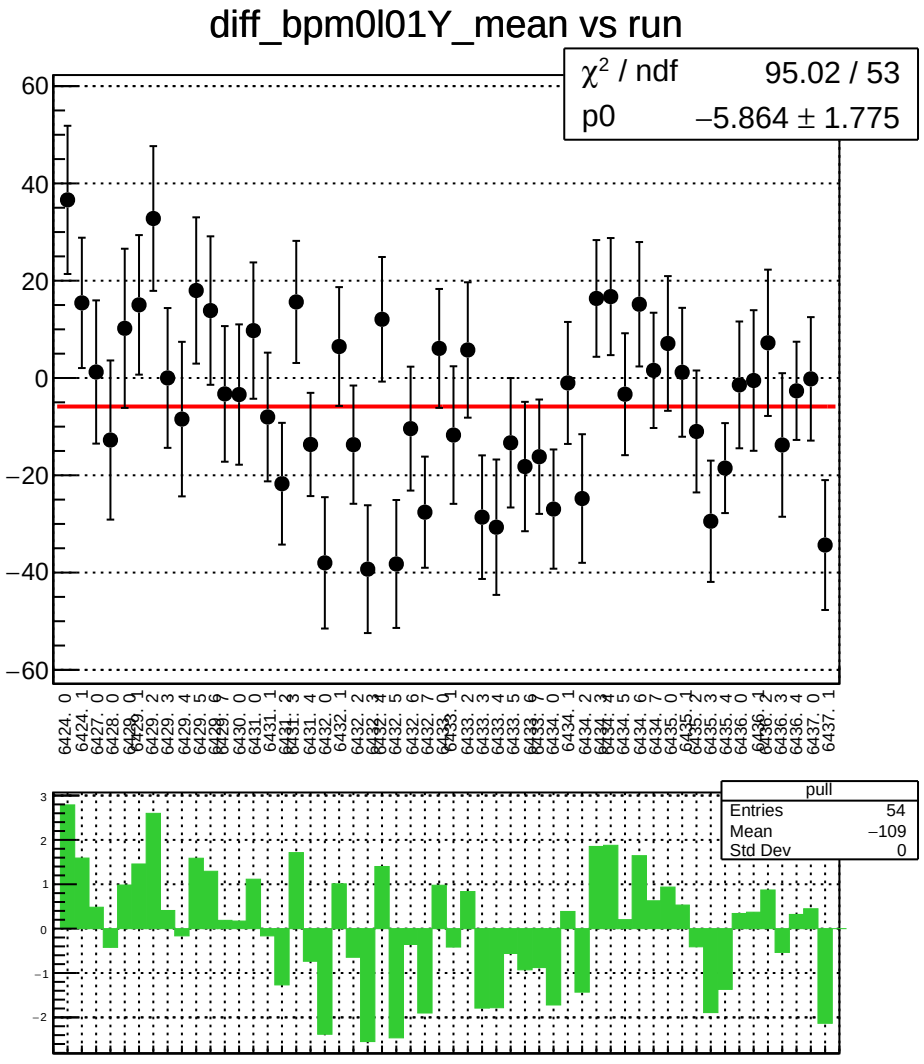

pull1D
Entries 54
Mean 0.005638
Std Dev 1.108

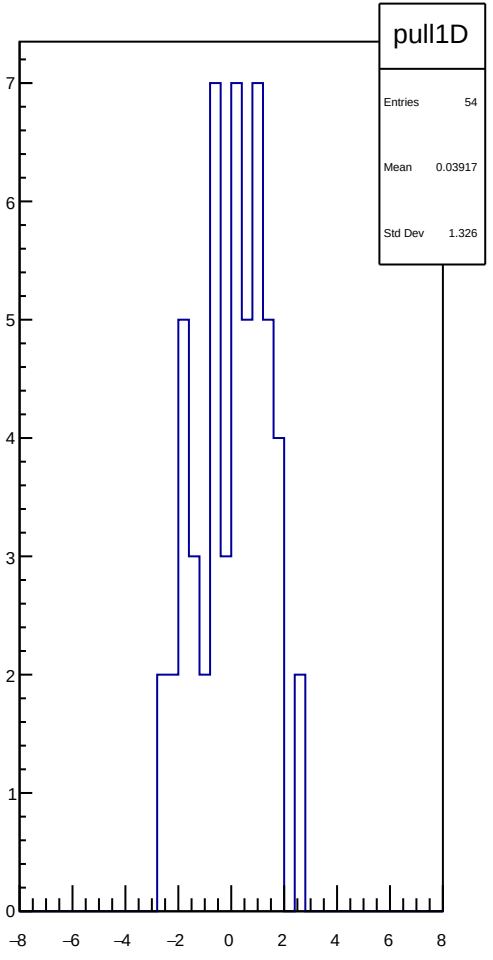

diff_bpm0i01aY_rms vs run
χ² / ndf 987.8 / 53
p0 1830 ± 1.811
1950
1900
1850
1800
1750
1700
1650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

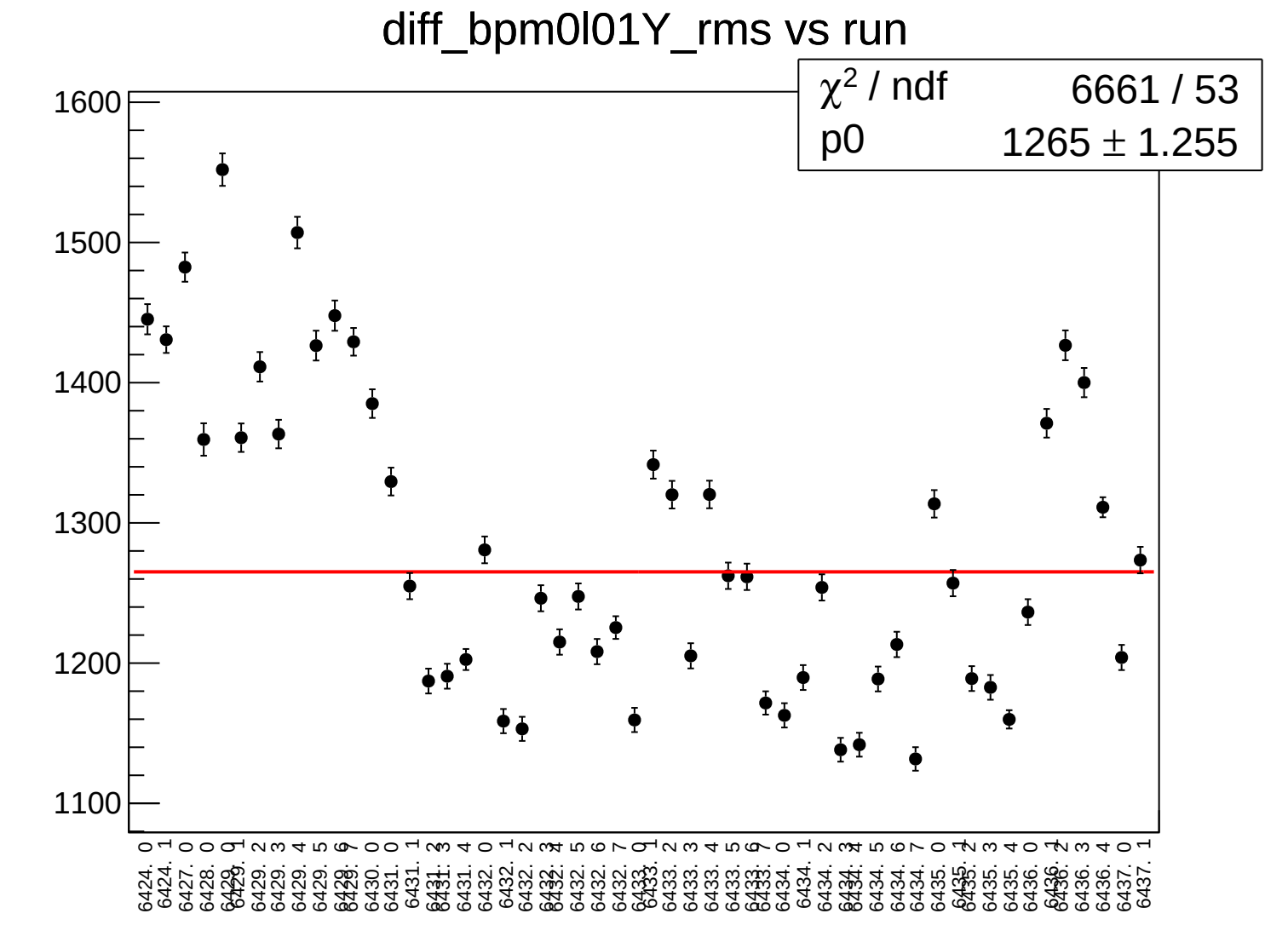

diff_bpm0l01X_mean vs run
χ^2 / ndf 54.04 / 53
p0 17.35 ± 4.174
pull
Entries 54
Mean 112.3
Std Dev 0

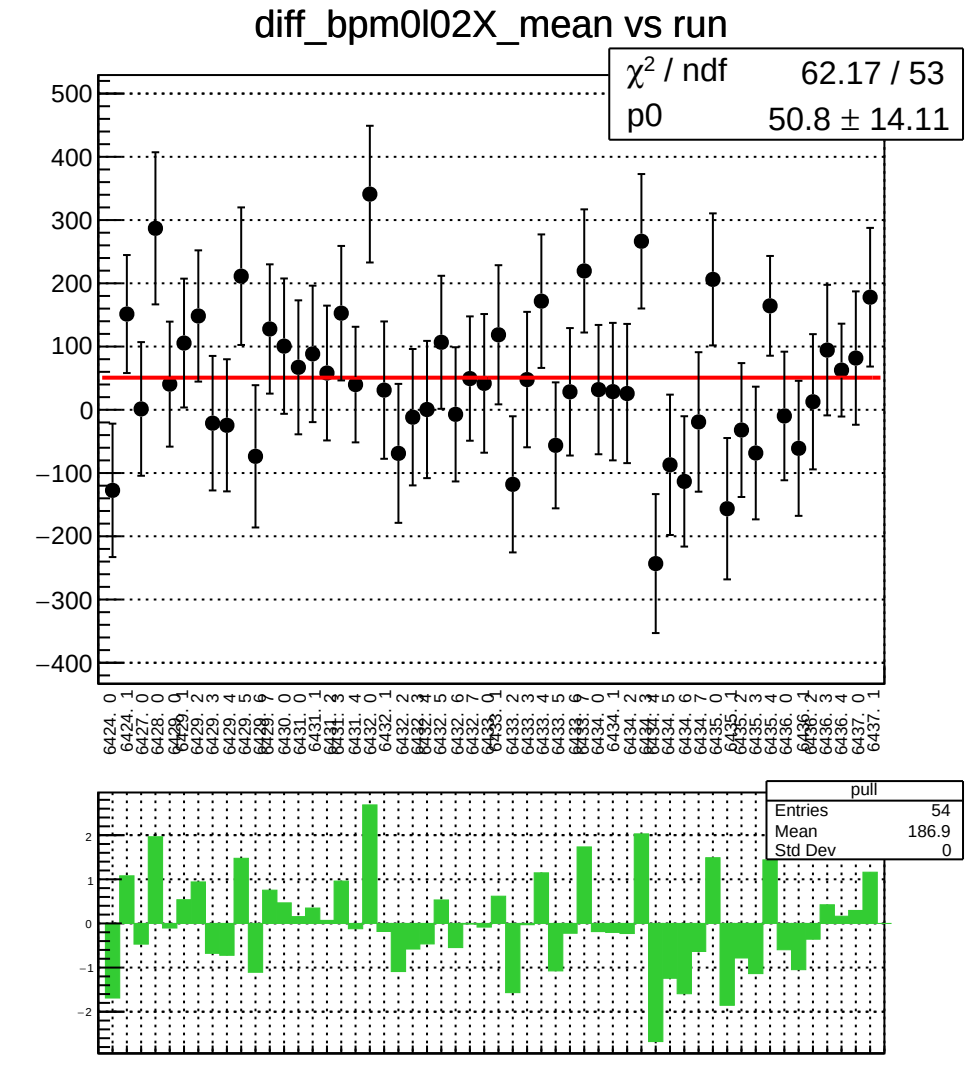

pull1D
Entries 54
Mean −0.009817
Std Dev 1

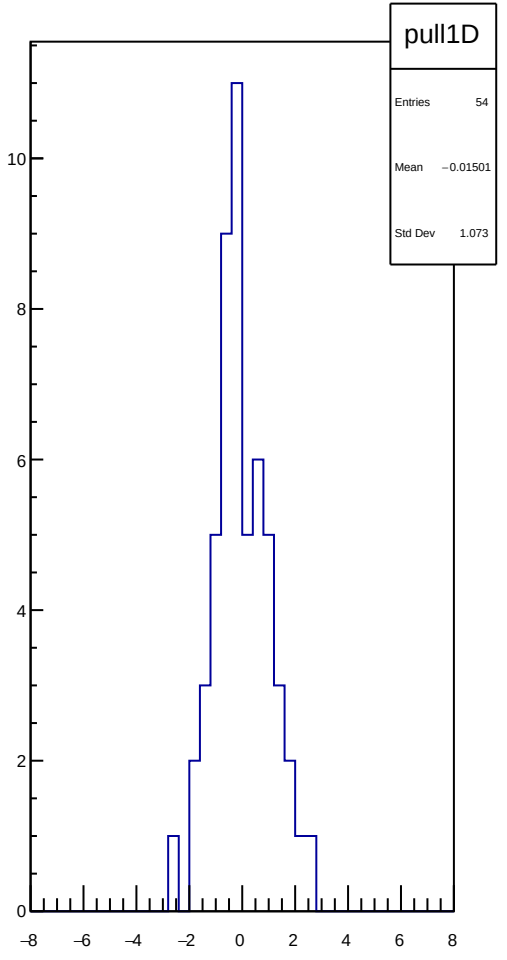

diff_bpm0l01X_rms vs run
χ² / ndf 141.8 / 53
p0 2984 ± 2.952
3100
3050
3000
2950
2900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

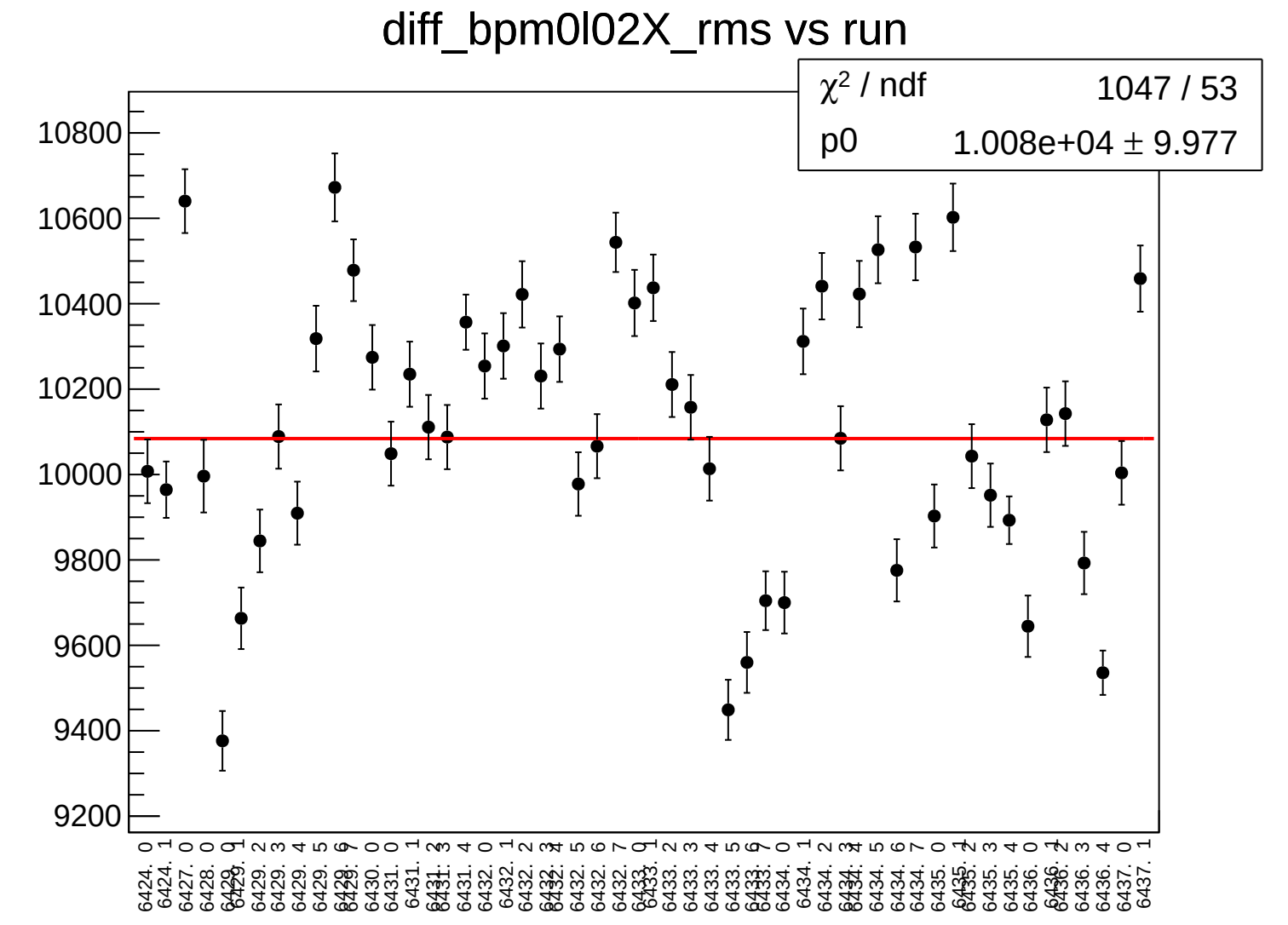

diff_bpm0l01Y_mean vs run
χ² / ndf 95.02 / 53
p0 −5.864 ± 1.775
pull
Entries 54
Mean −109
Std Dev 0

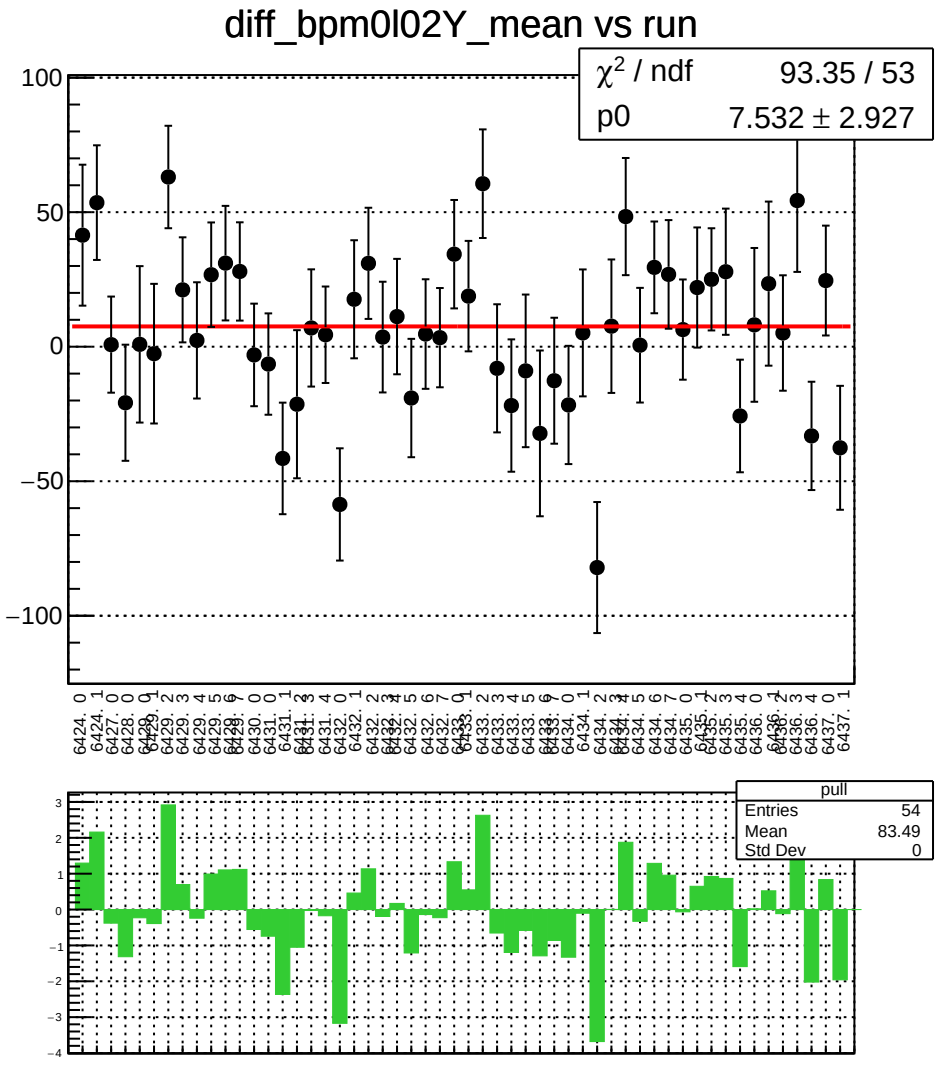

pull1D
Entries 54
Mean 0.03917
Std Dev 1.326

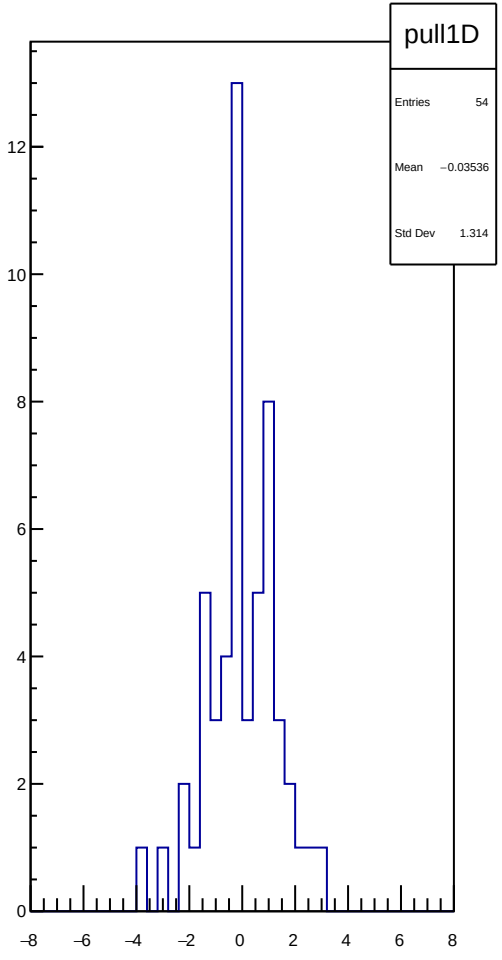

diff_bpm0l01Y_rms vs run
χ² / ndf 6661 / 53
p0 1265 ± 1.255
1600
1500
1400
1300
1200
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

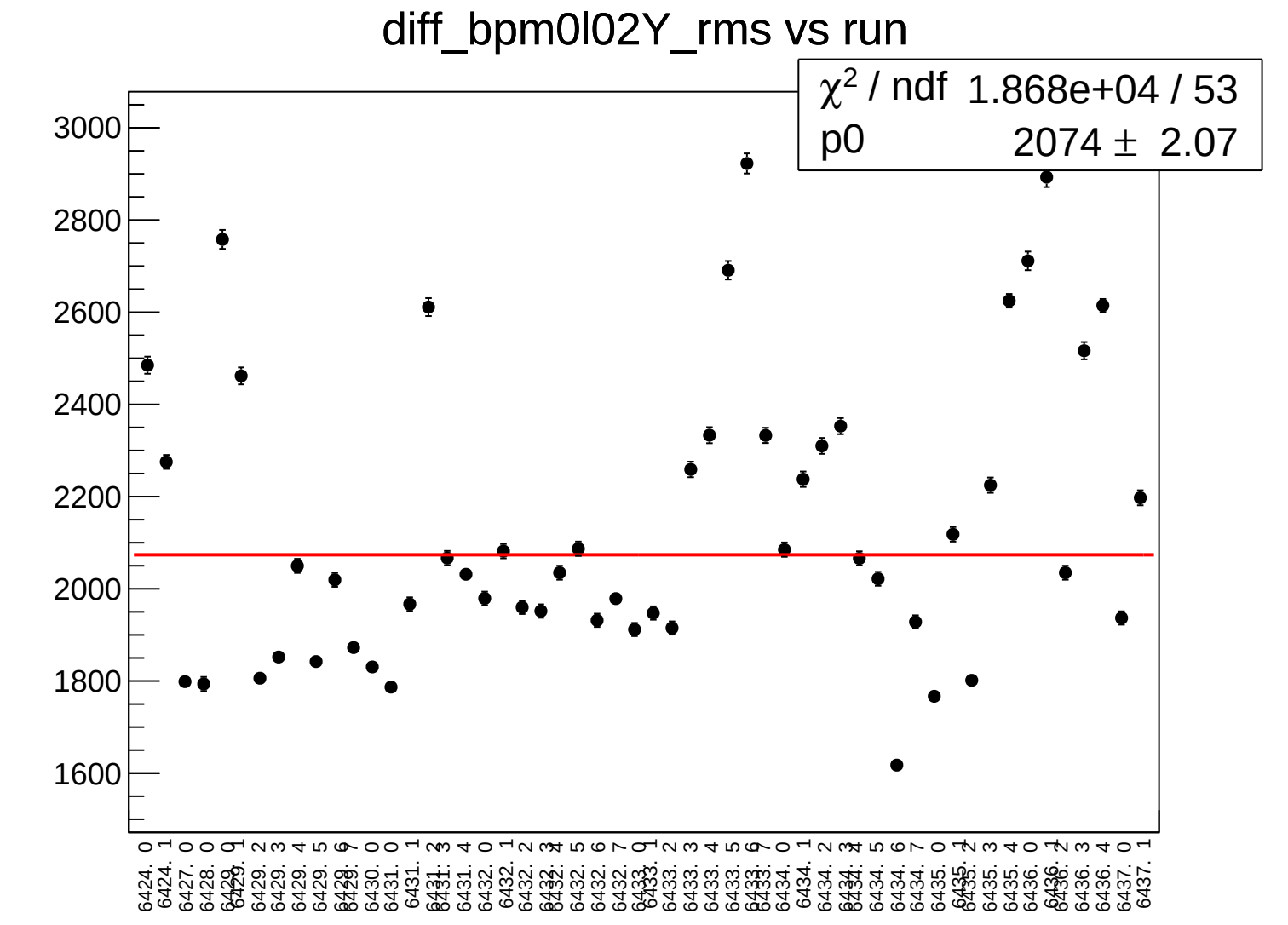

diff_bpm0l02X_mean vs run
χ² / ndf 62.17 / 53
p0 50.8 ± 14.11
pull
Entries 54
Mean 186.9
Std Dev 0

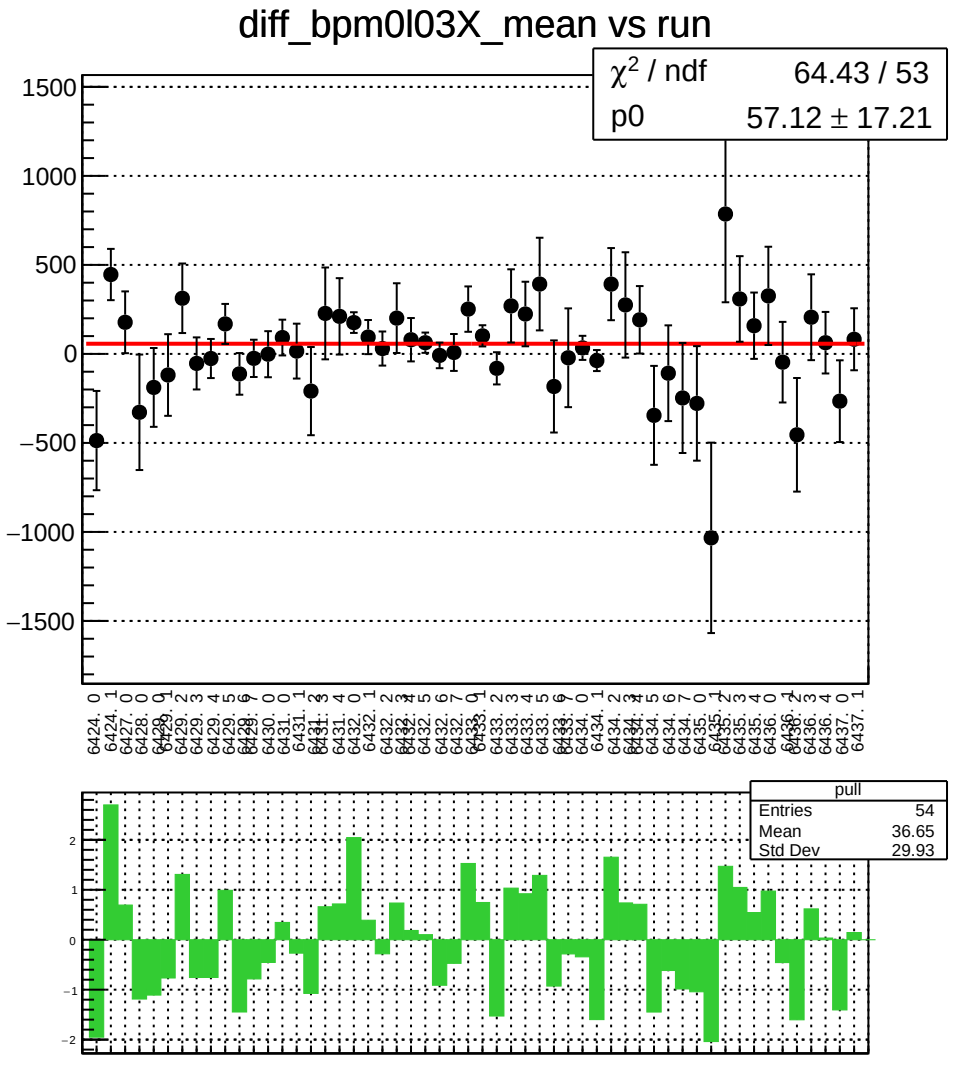

pull1D
Entries 54
Mean −0.01501
Std Dev 1.073

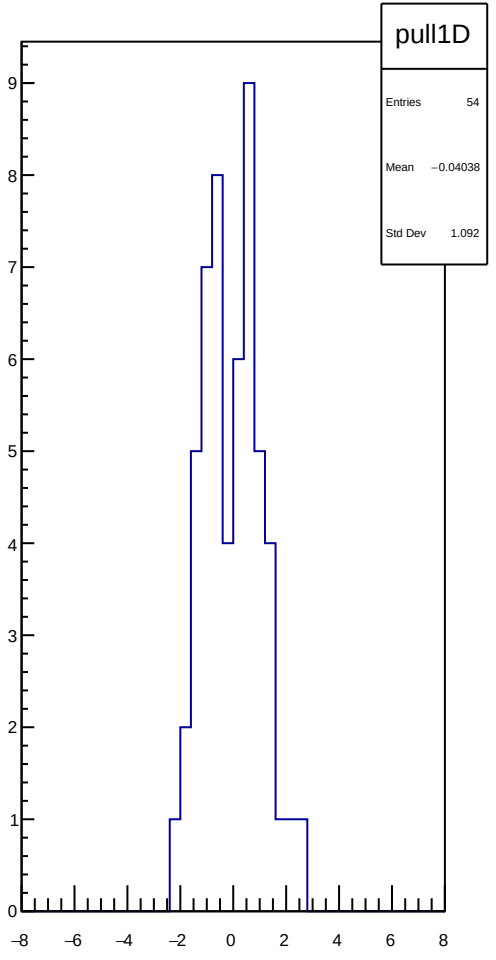

diff_bpm0l02X_rms vs run
χ² / ndf 1047 / 53
p0 1.008e+04 ± 9.977
10800
10600
10400
10200
10000
9800
9600
9400
9200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

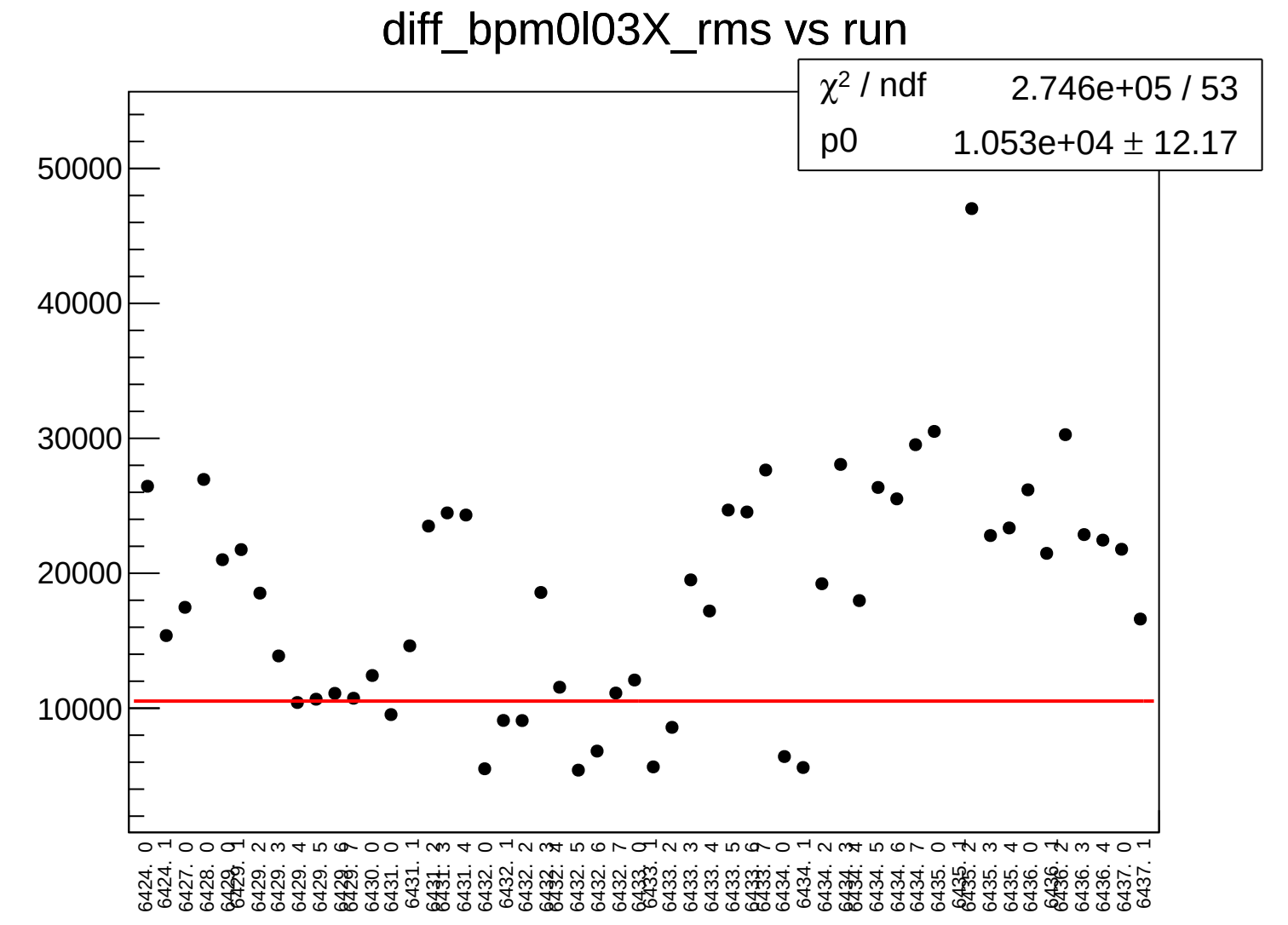

diff_bpm0l02Y_mean vs run
χ² / ndf 93.35 / 53
p0 7.532 ± 2.927
pull
Entries 54
Mean 83.49
Std Dev 0

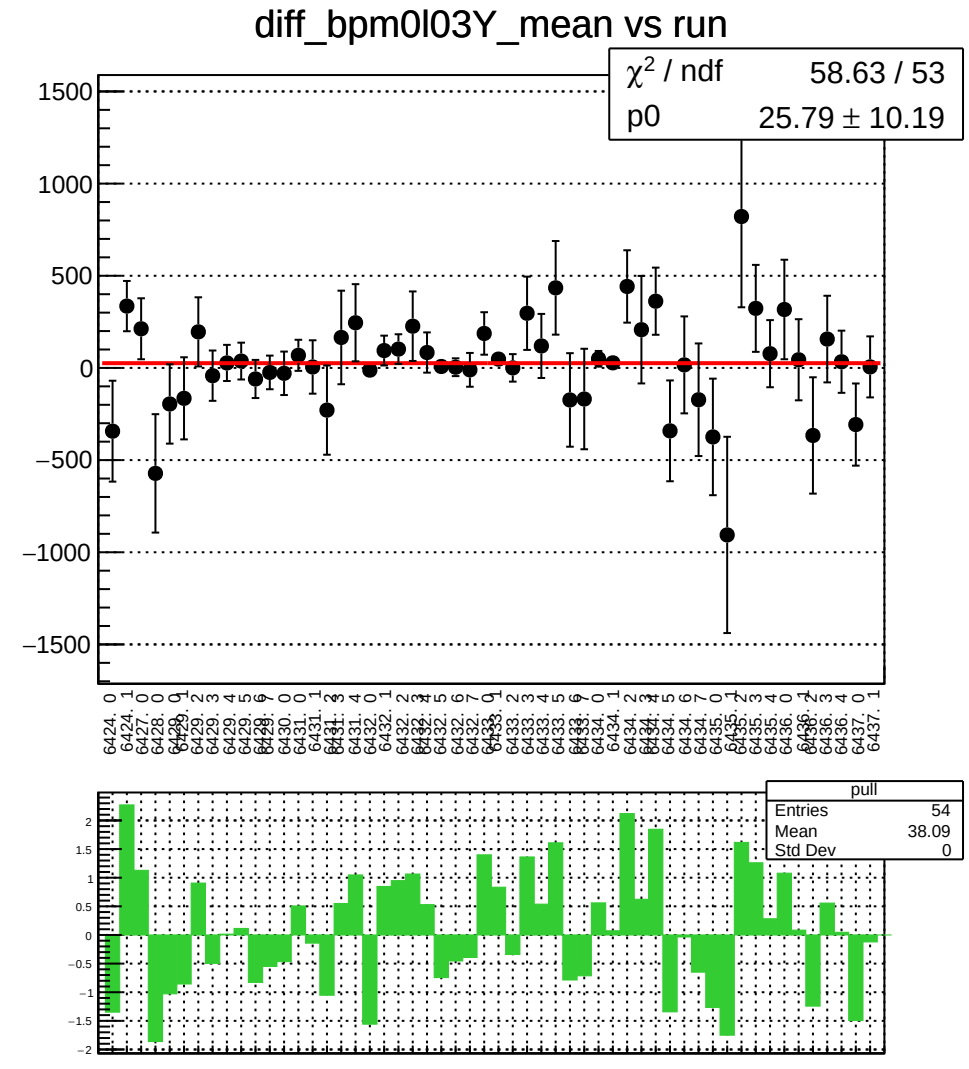

pull1D
Entries 54
Mean −0.03536
Std Dev 1.314

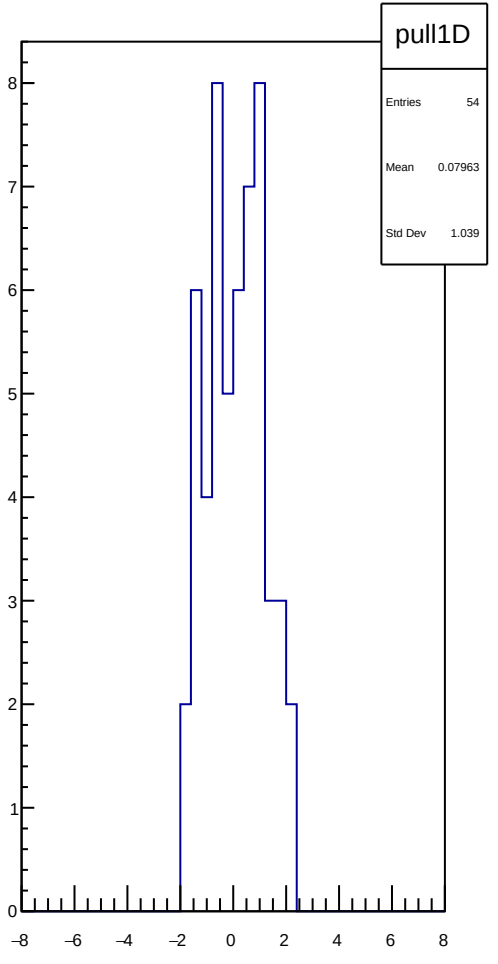

diff_bpm0l02Y_rms vs run
χ² / ndf 1.868e+04 / 53
p0 2074 ± 2.07
3000
2800
2600
2400
2200
2000
1800
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

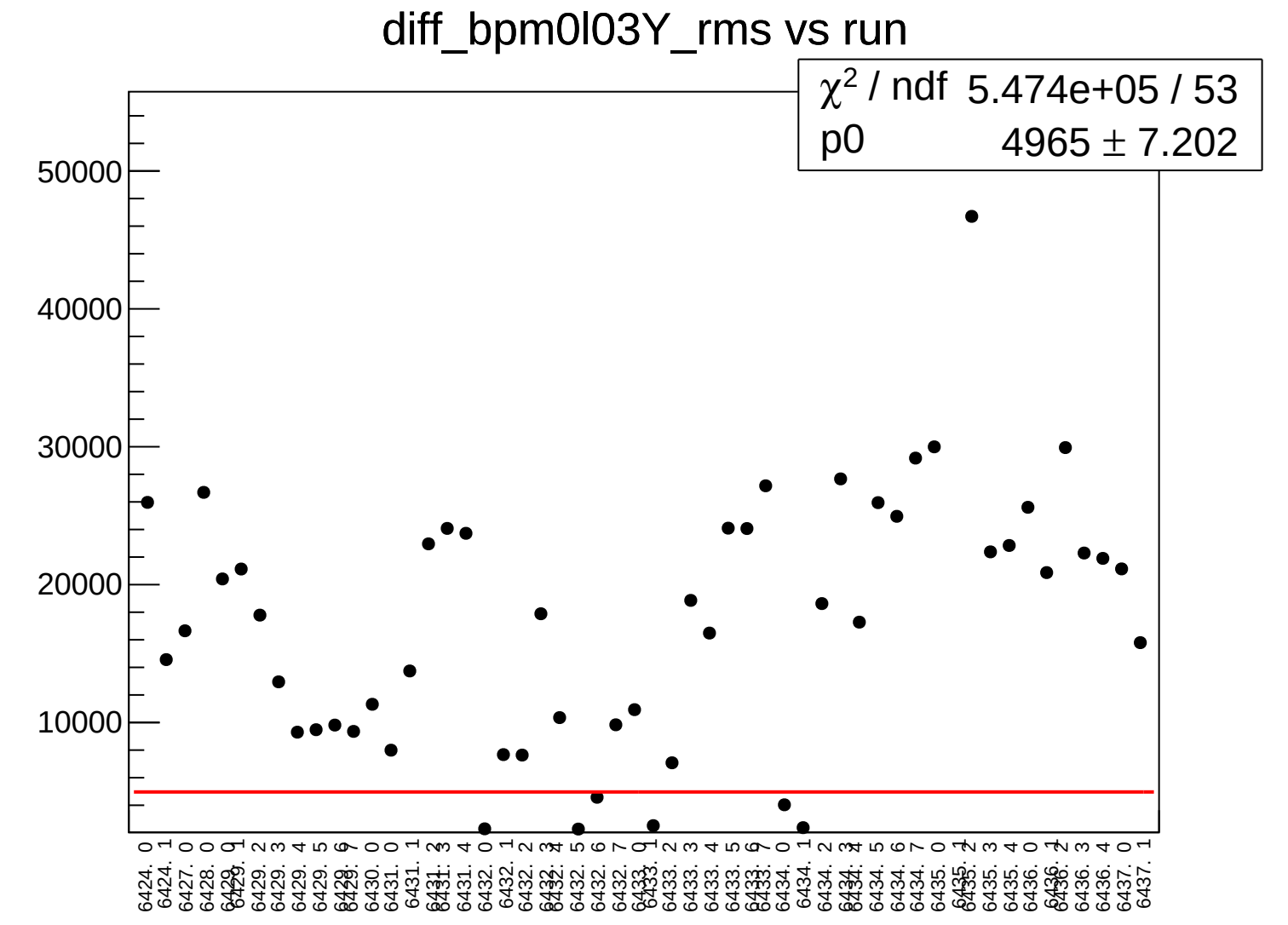

diff_bpm0l03X_mean vs run
χ^2 / ndf 64.43 / 53
p0 57.12 ± 17.21
pull
Entries 54
Mean 36.65
Std Dev 29.93

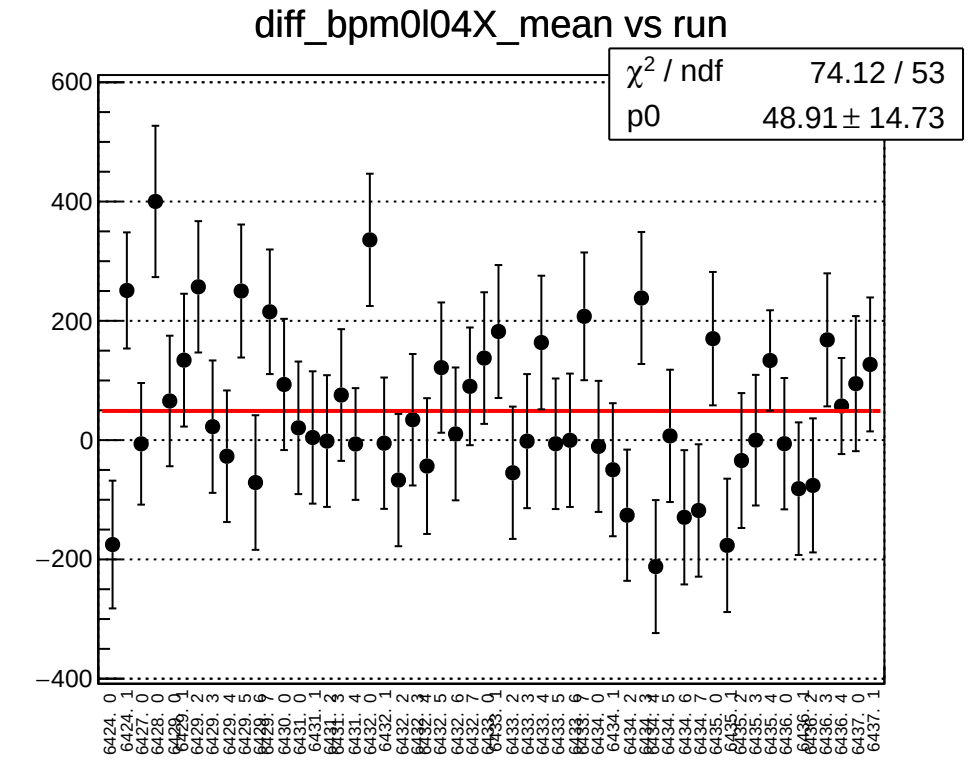

pull1D
Entries 54
Mean −0.04038
Std Dev 1.092

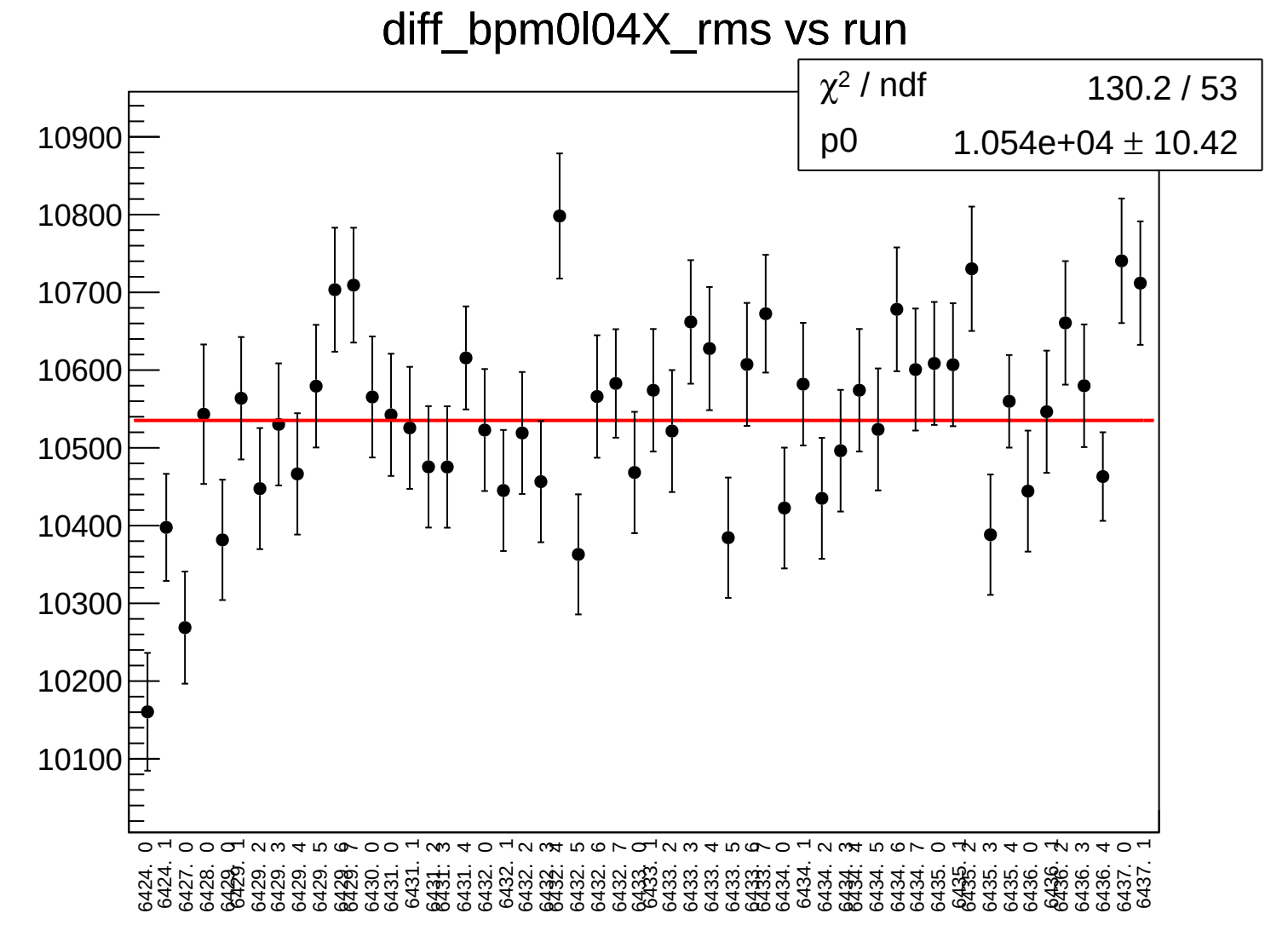

diff_bpm0l03X_rms vs run
χ² / ndf 2.746e+05 / 53
p0 1.053e+04 ± 12.17
50000
40000
30000
20000
10000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

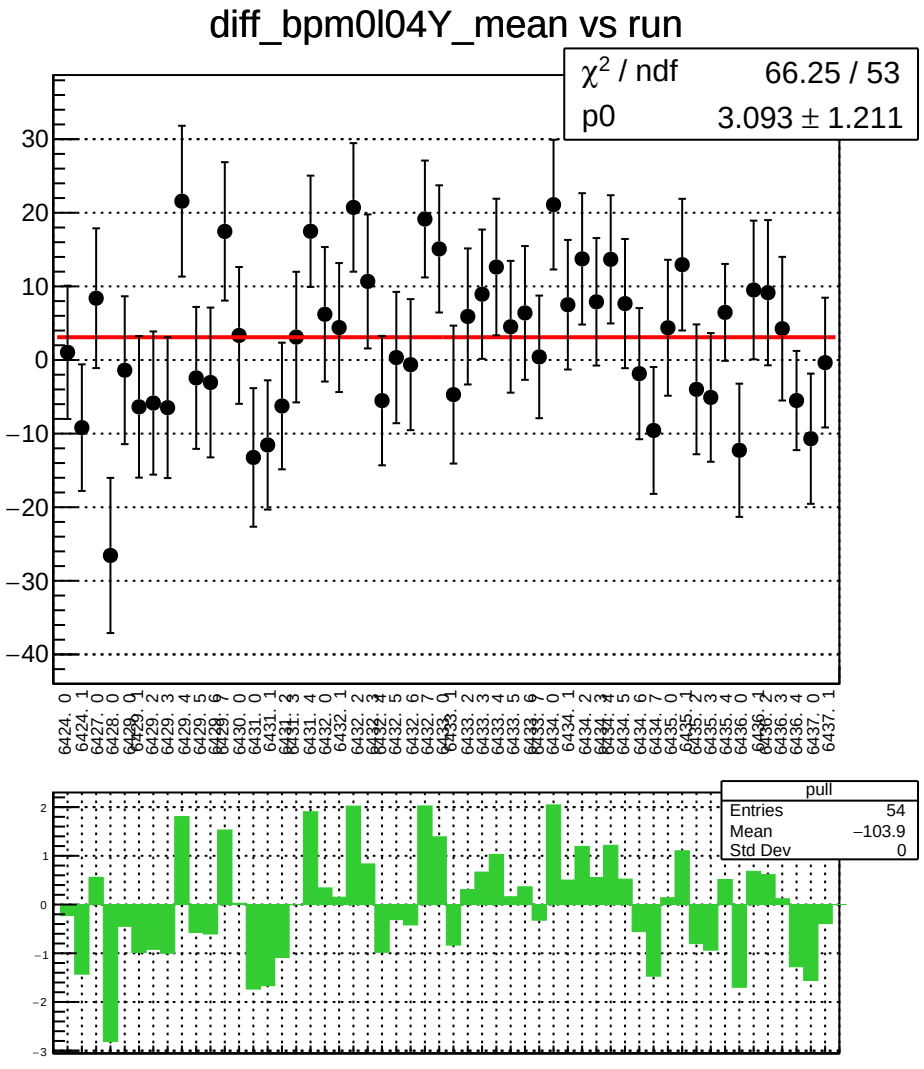

diff_bpm0l03Y_mean vs run
χ² / ndf 58.63 / 53
p0 25.79 ± 10.19
pull
Entries 54
Mean 38.09
Std Dev 0

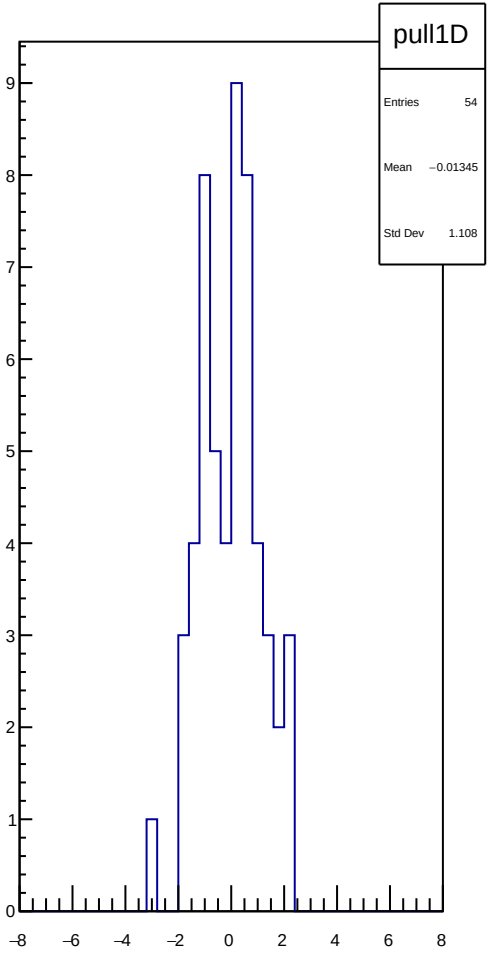

pull1D
Entries 54
Mean 0.07963
Std Dev 1.039

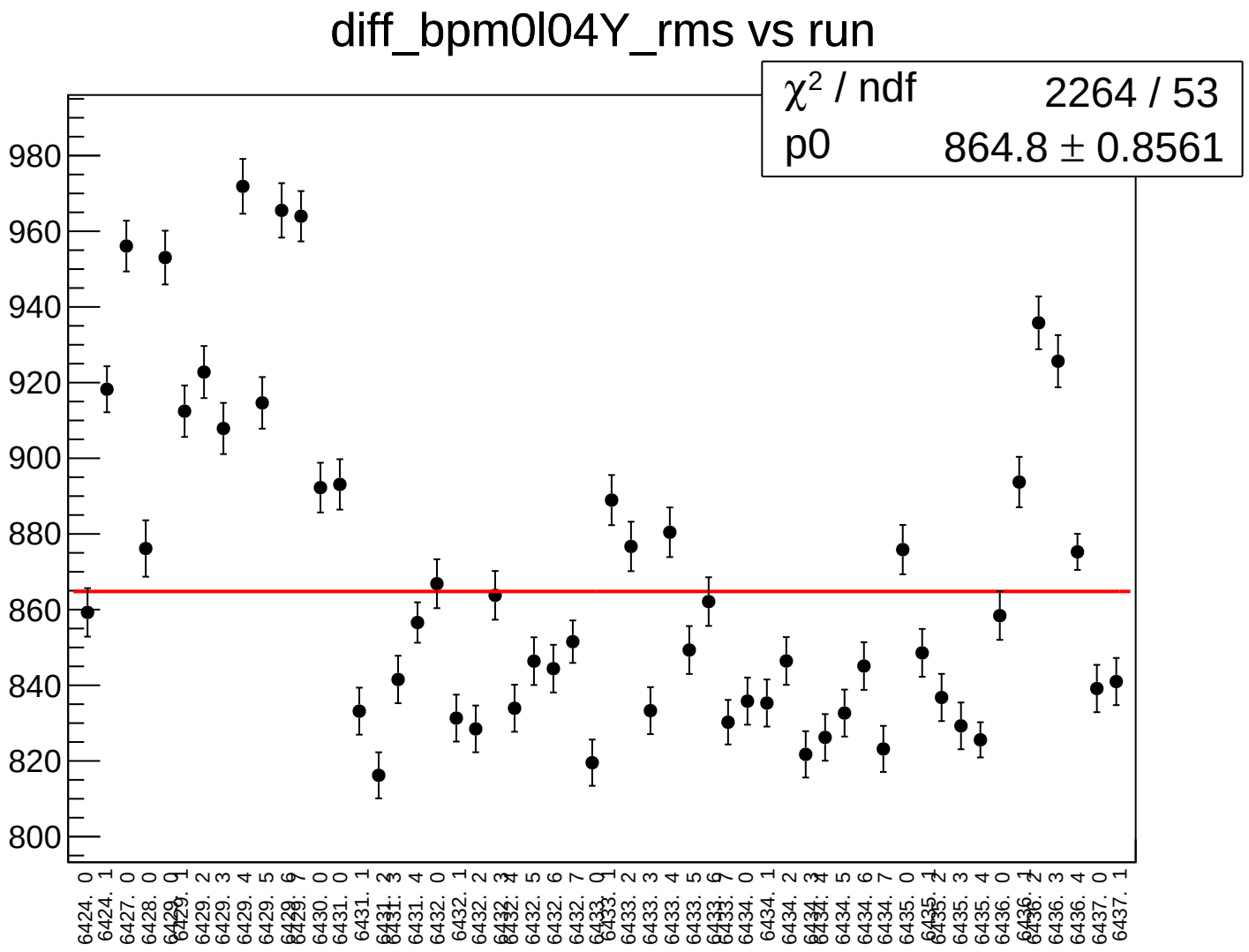

diff_bpm0l03Y_rms vs run
χ² / ndf 5.474e+05 / 53
p0 4965 ± 7.202
50000
40000
30000
20000
10000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

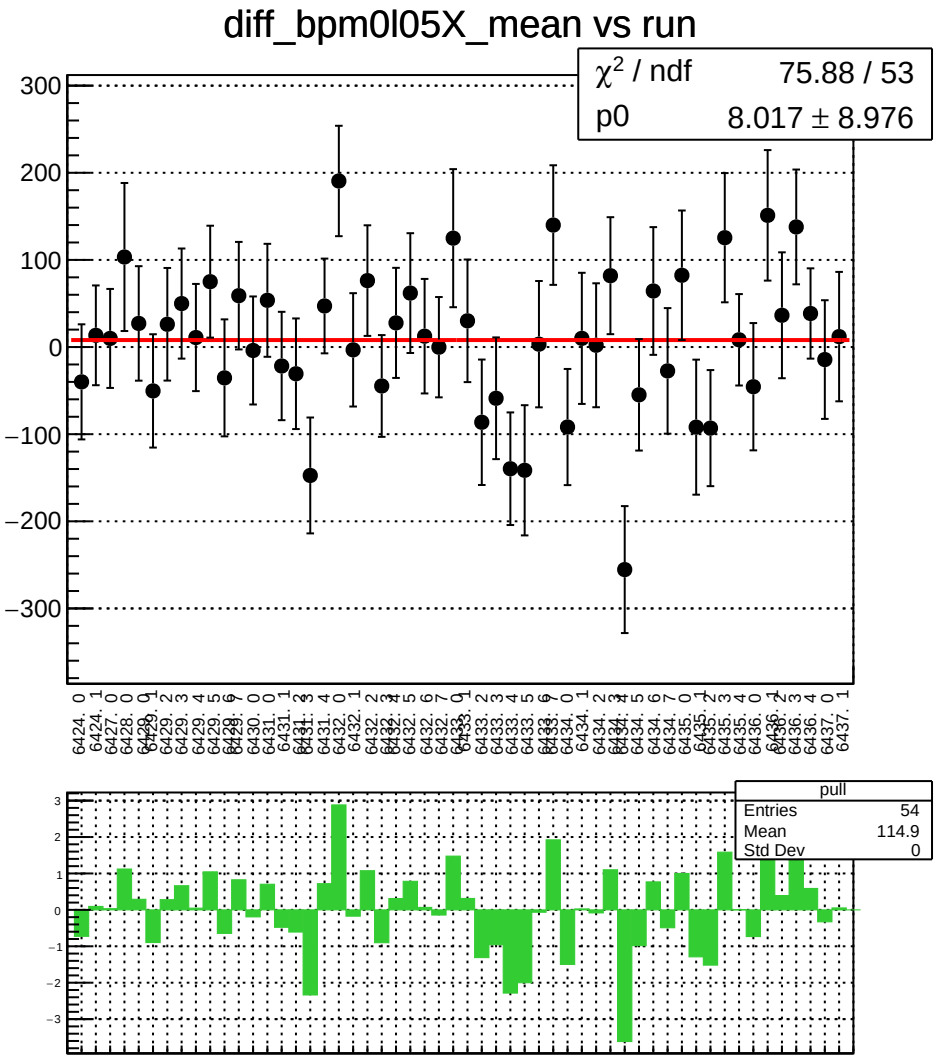

diff_bpm0l04X_mean vs run
χ^2 / ndf 74.12 / 53
p0 48.91 ± 14.73
600
400
200
0
−200
−400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 689.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.006345
Std Dev 1.172
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

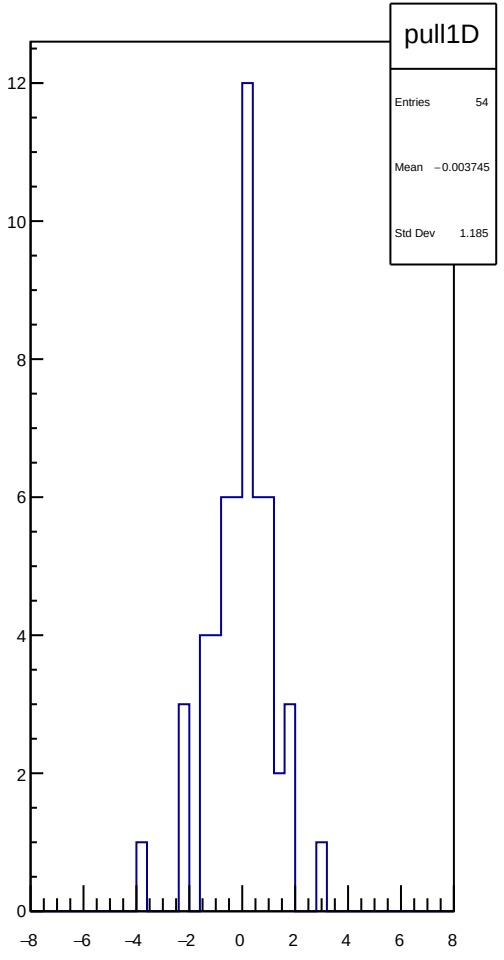

diff_bpm0l04X_rms vs run
χ² / ndf 130.2 / 53
p0 1.054e+04 ± 10.42
10900
10800
10700
10600
10500
10400
10300
10200
10100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

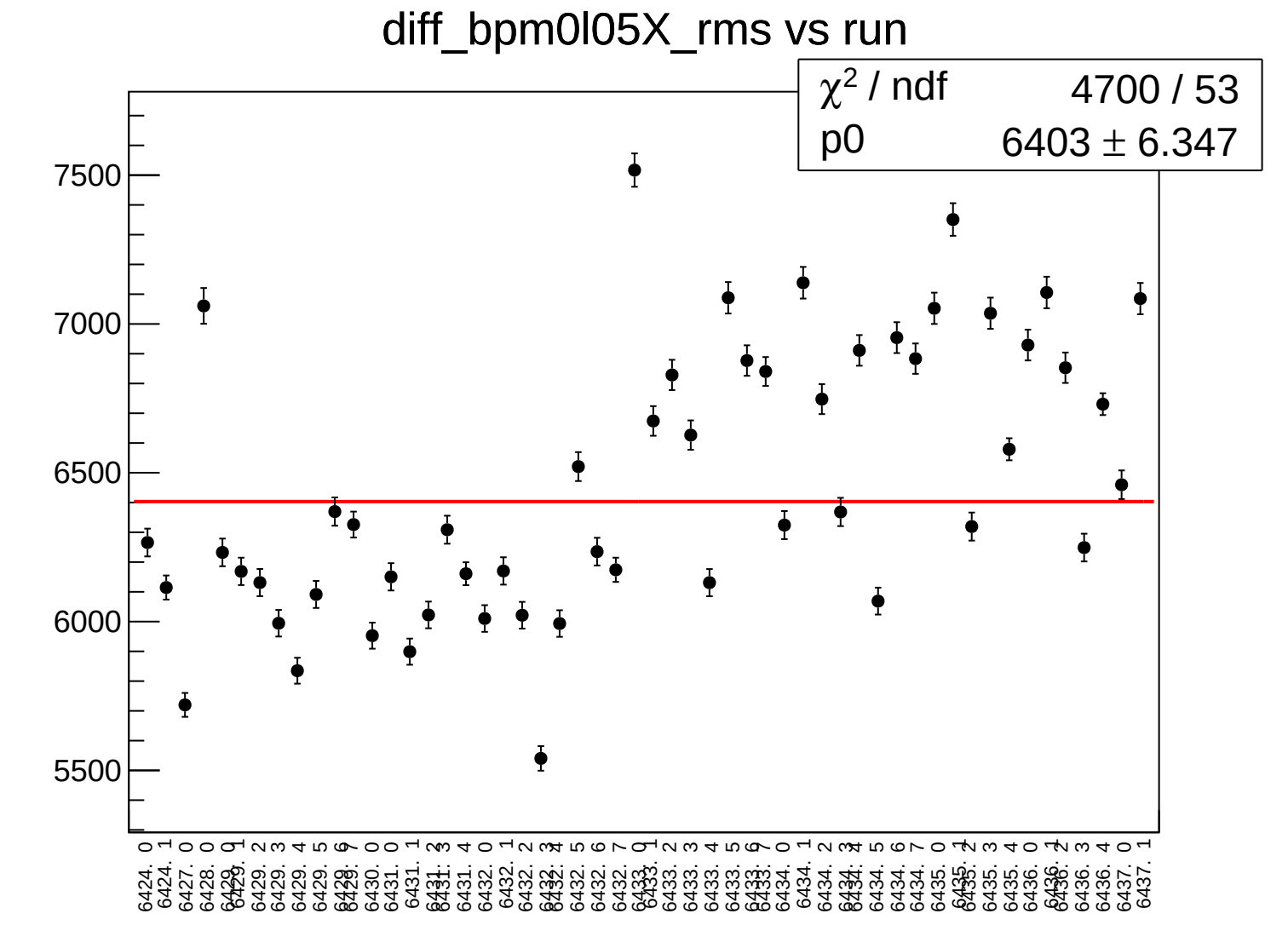

diff_bpm0l04Y_mean vs run
χ² / ndf 66.25 / 53
p0 3.093 ± 1.211
pull
Entries 54
Mean −103.9
Std Dev 0

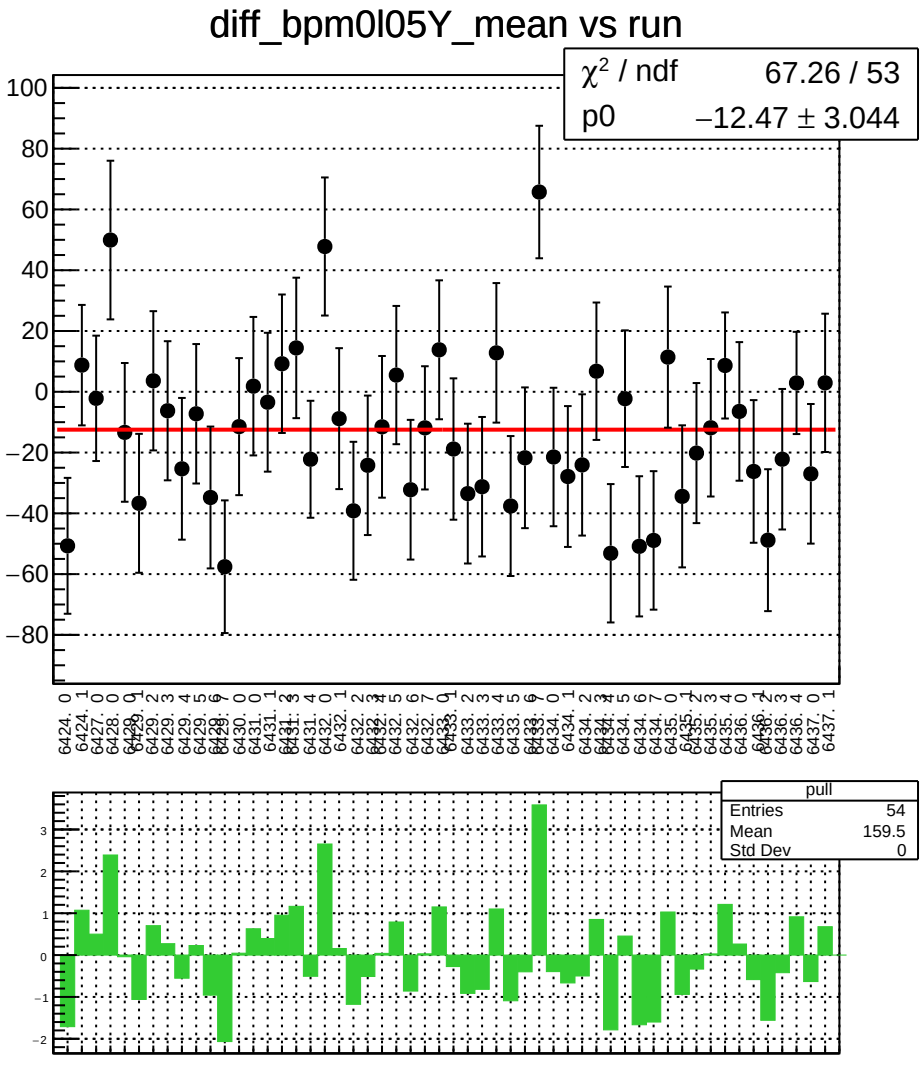

pull1D
Entries 54
Mean −0.01345
Std Dev 1.108

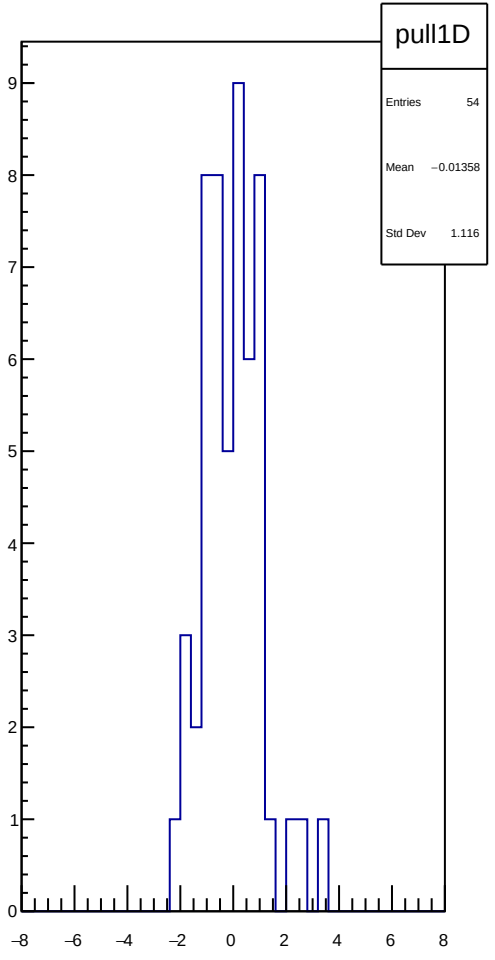

diff_bpm0l04Y_rms vs run
χ² / ndf 2264 / 53
p0 864.8 ± 0.8561
980
960
940
920
900
880
860
840
820
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

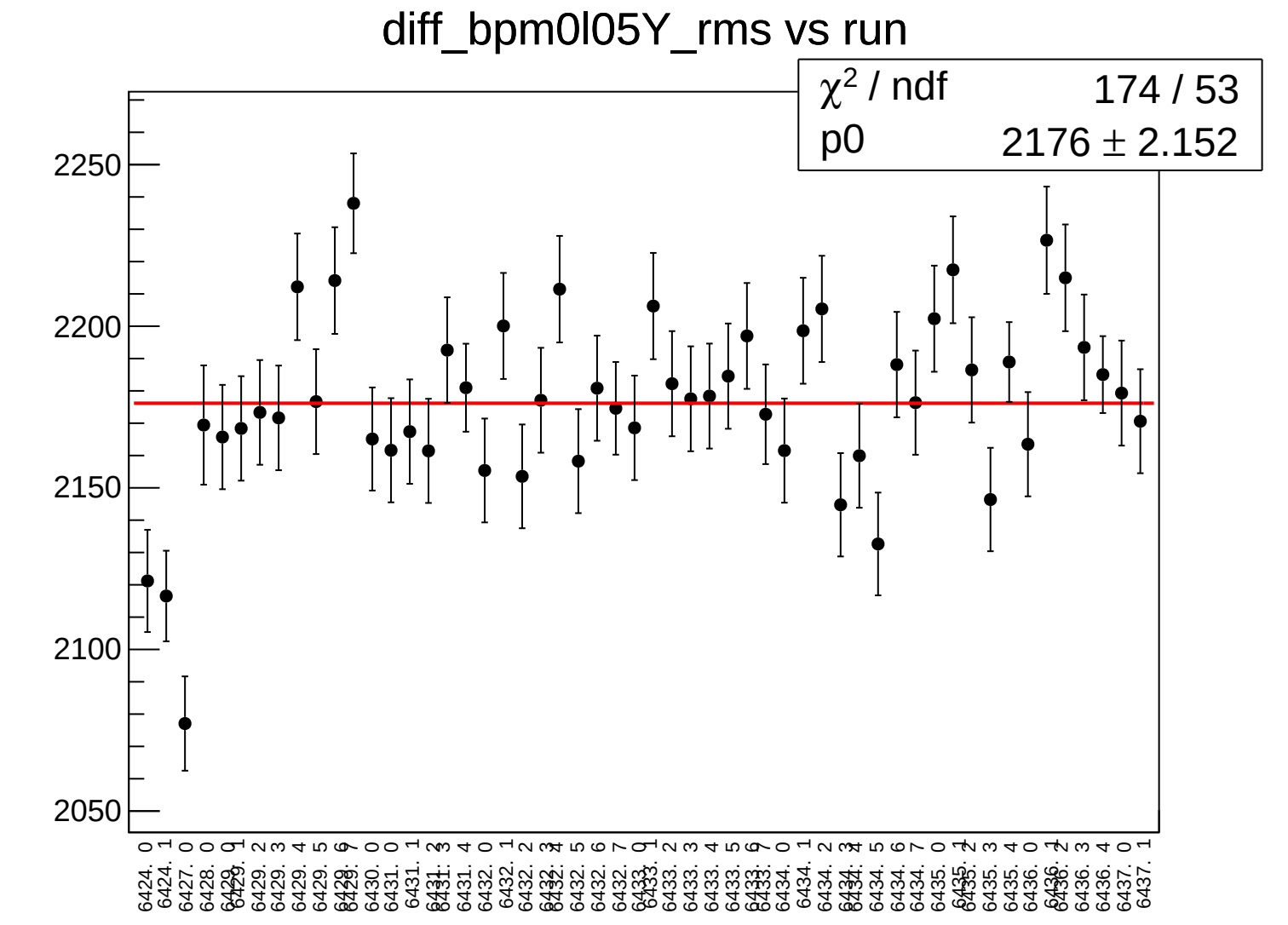

diff_bpm0l05X_mean vs run
χ² / ndf 75.88 / 53
p0 8.017 ± 8.976
pull
Entries 54
Mean 114.9
Std Dev 0

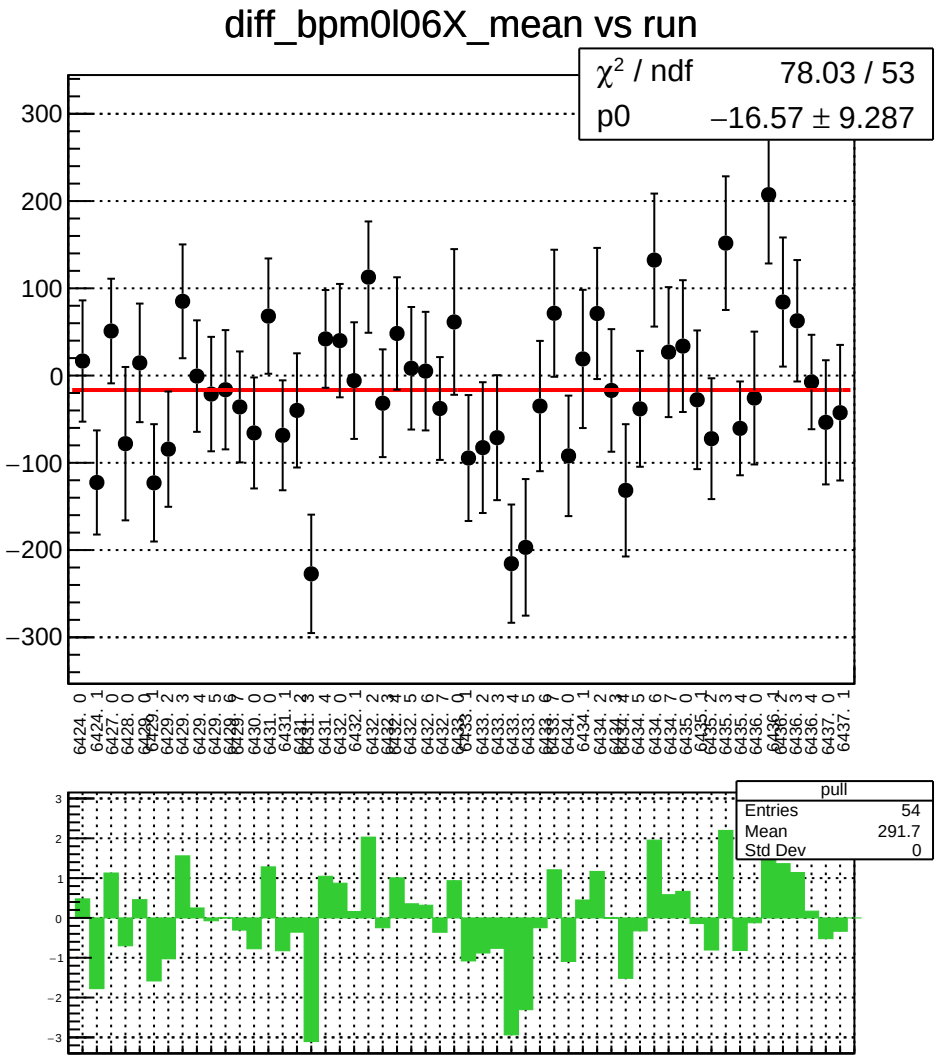

pull1D
Entries 54
Mean −0.003745
Std Dev 1.185

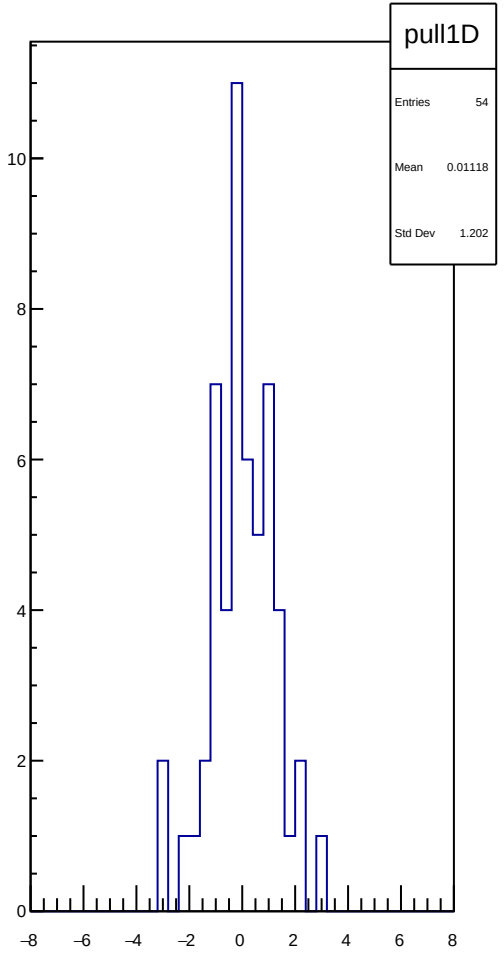

diff_bpm0l05X_rms vs run
χ² / ndf 4700 / 53
p0 6403 ± 6.347
7500
7000
6500
6000
5500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

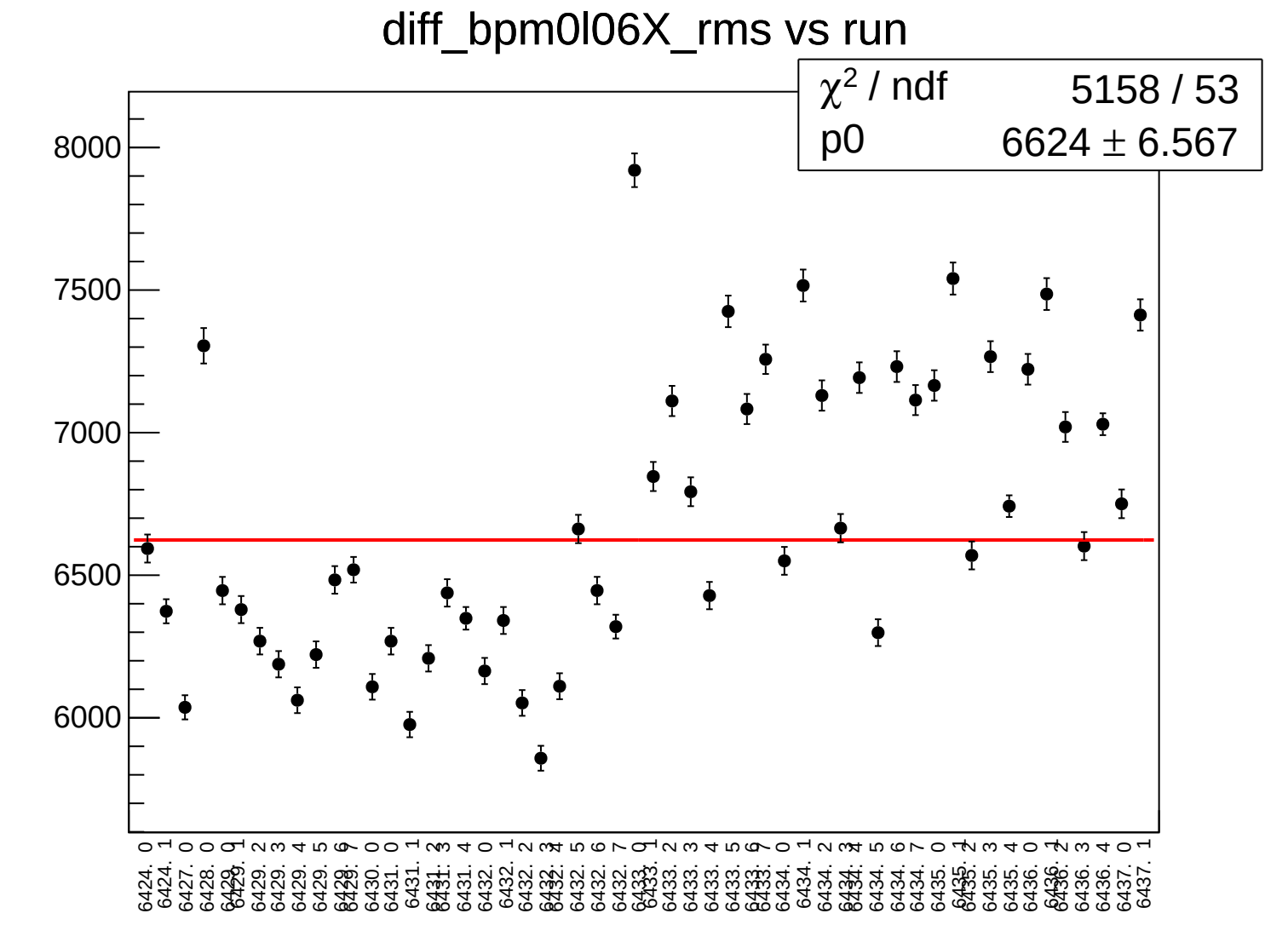

diff_bpm0l05Y_mean vs run
χ² / ndf 67.26 / 53
p0 −12.47 ± 3.044
pull
Entries 54
Mean 159.5
Std Dev 0

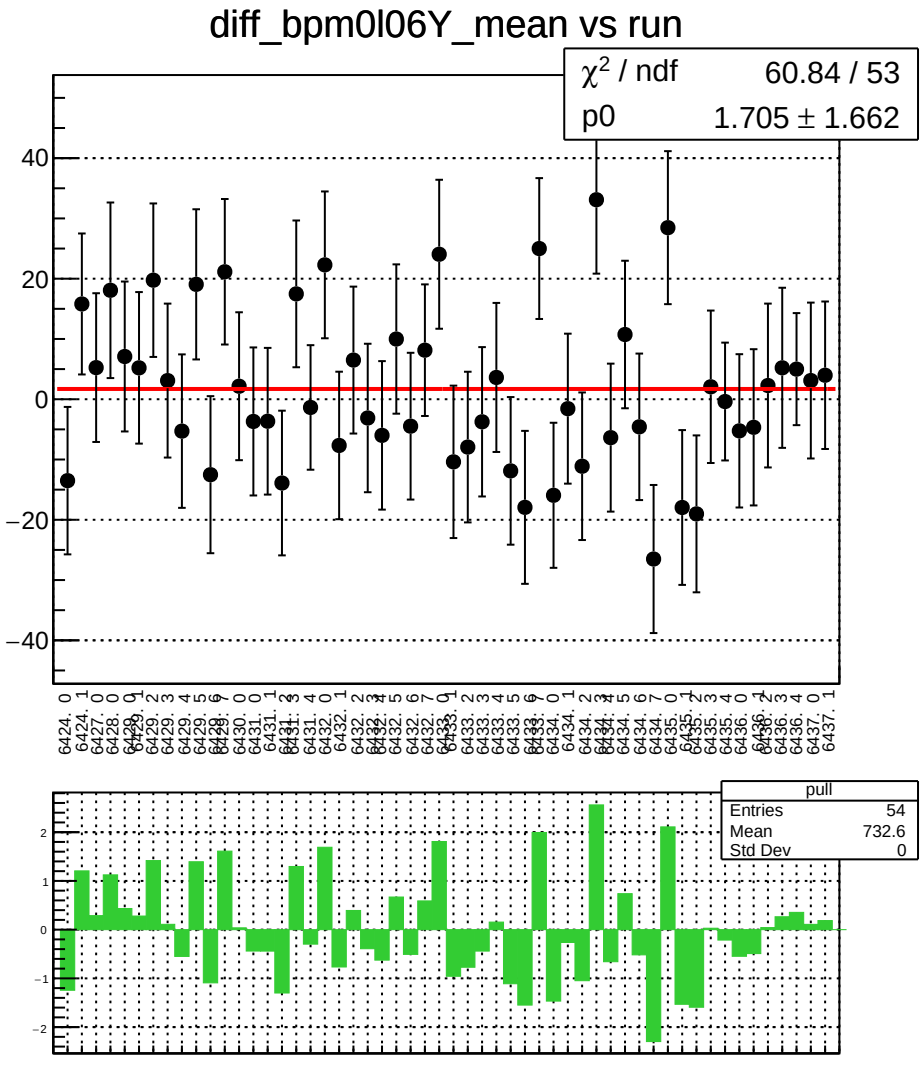

pull1D
Entries 54
Mean −0.01358
Std Dev 1.116

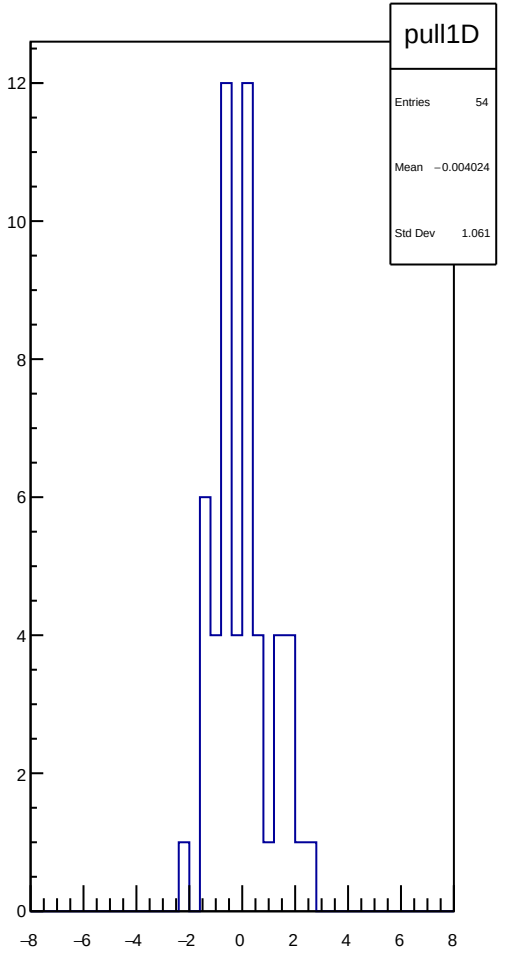

diff_bpm0l05Y_rms vs run
χ² / ndf 174 / 53
p0 2176 ± 2.152
2250
2200
2150
2100
2050
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

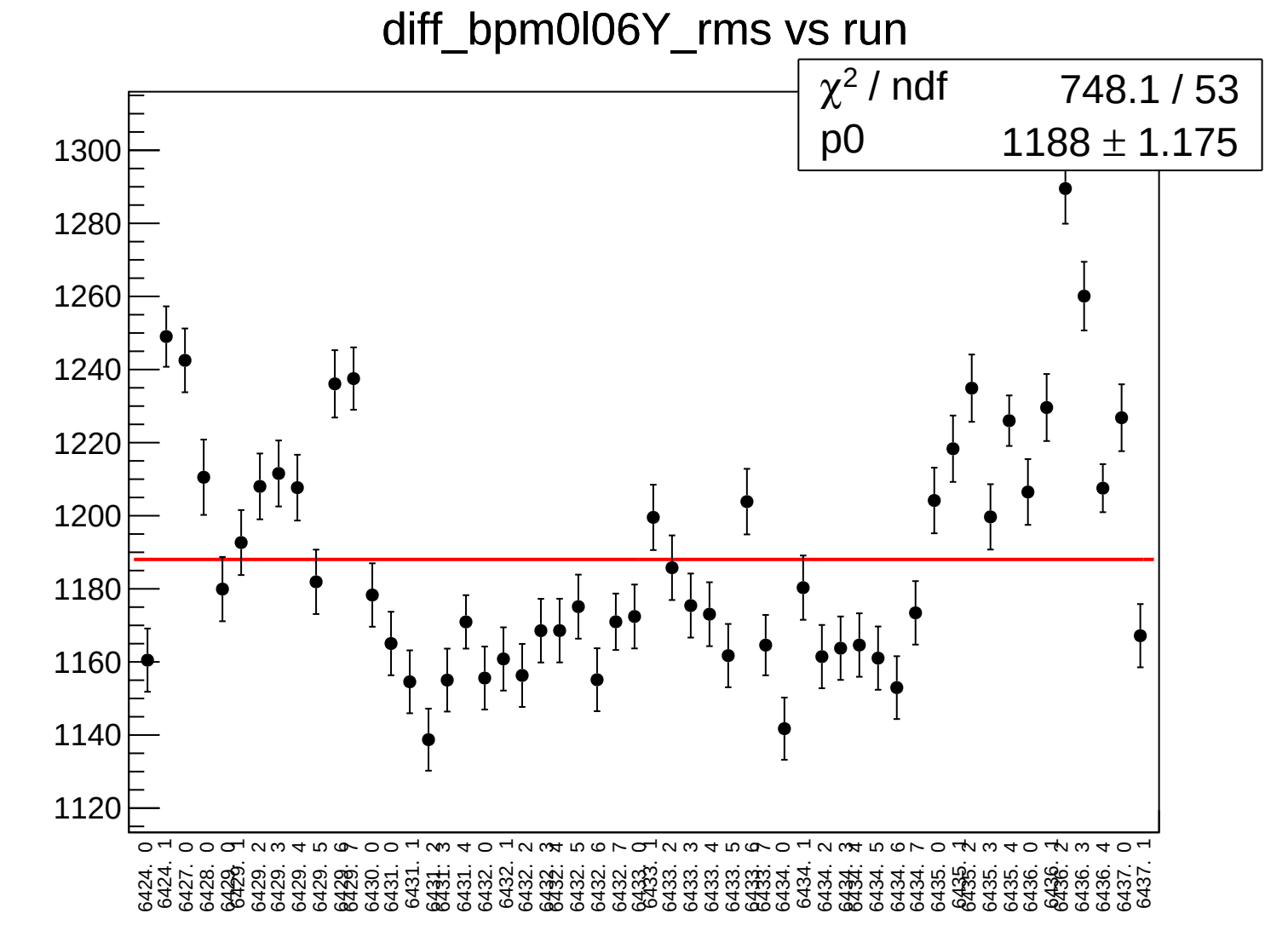

diff_bpm0l06X_mean vs run
χ² / ndf 78.03 / 53
p0 −16.57 ± 9.287
pull
Entries 54
Mean 291.7
Std Dev 0

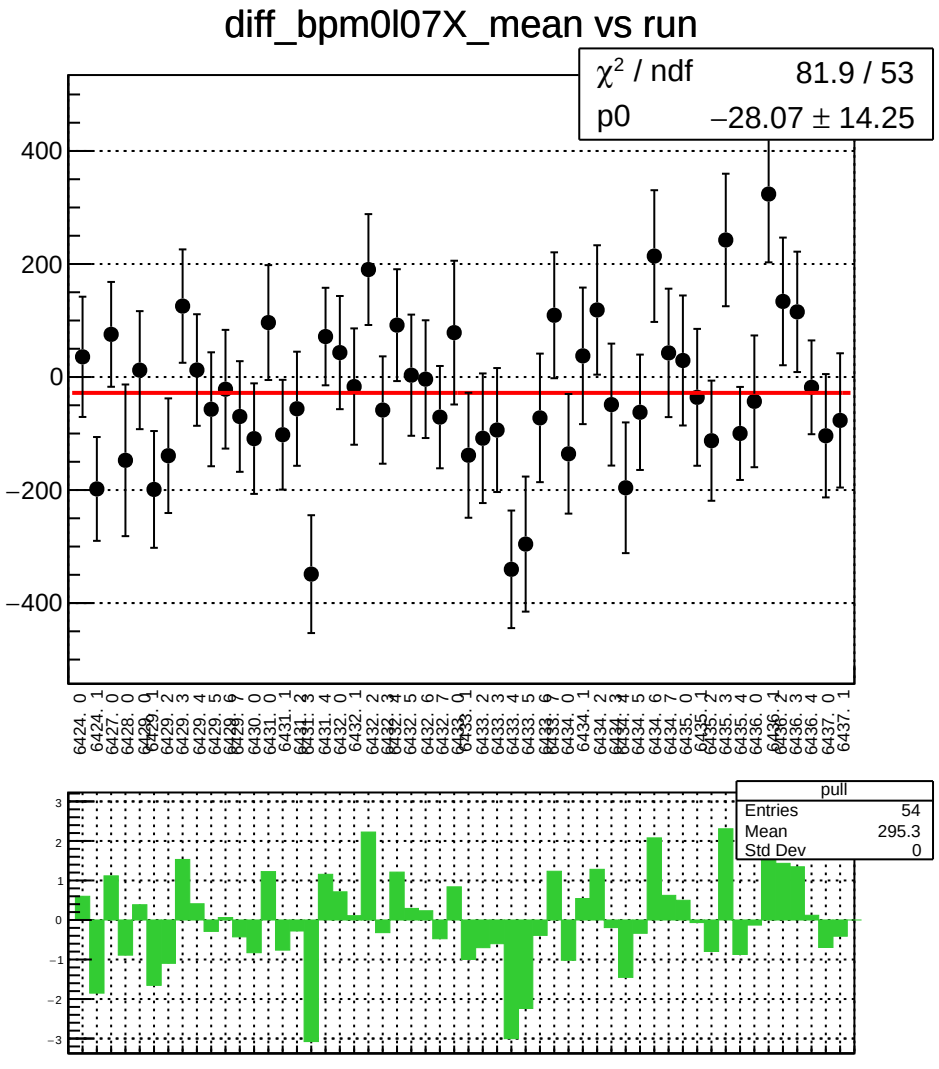

pull1D
Entries 54
Mean 0.01118
Std Dev 1.202

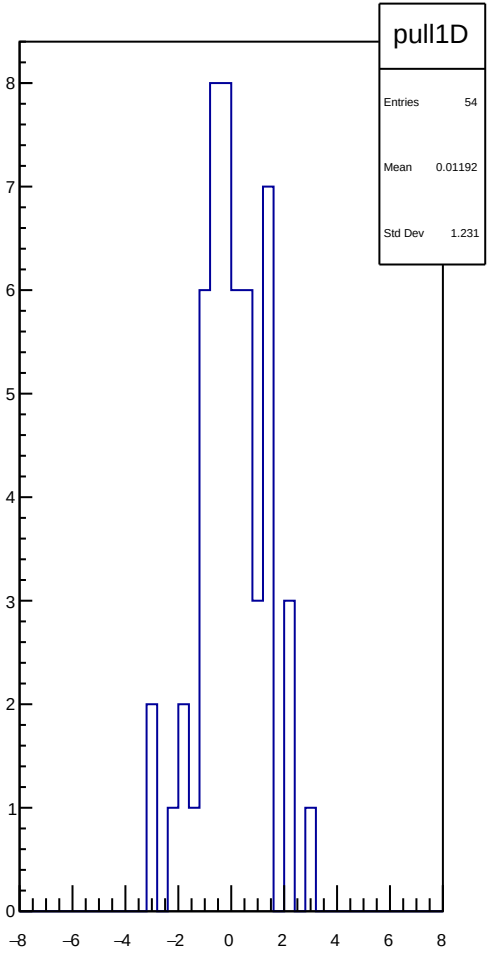

diff_bpm0l06X_rms vs run
χ² / ndf 5158 / 53
p0 6624 ± 6.567
8000
7500
7000
6500
6000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

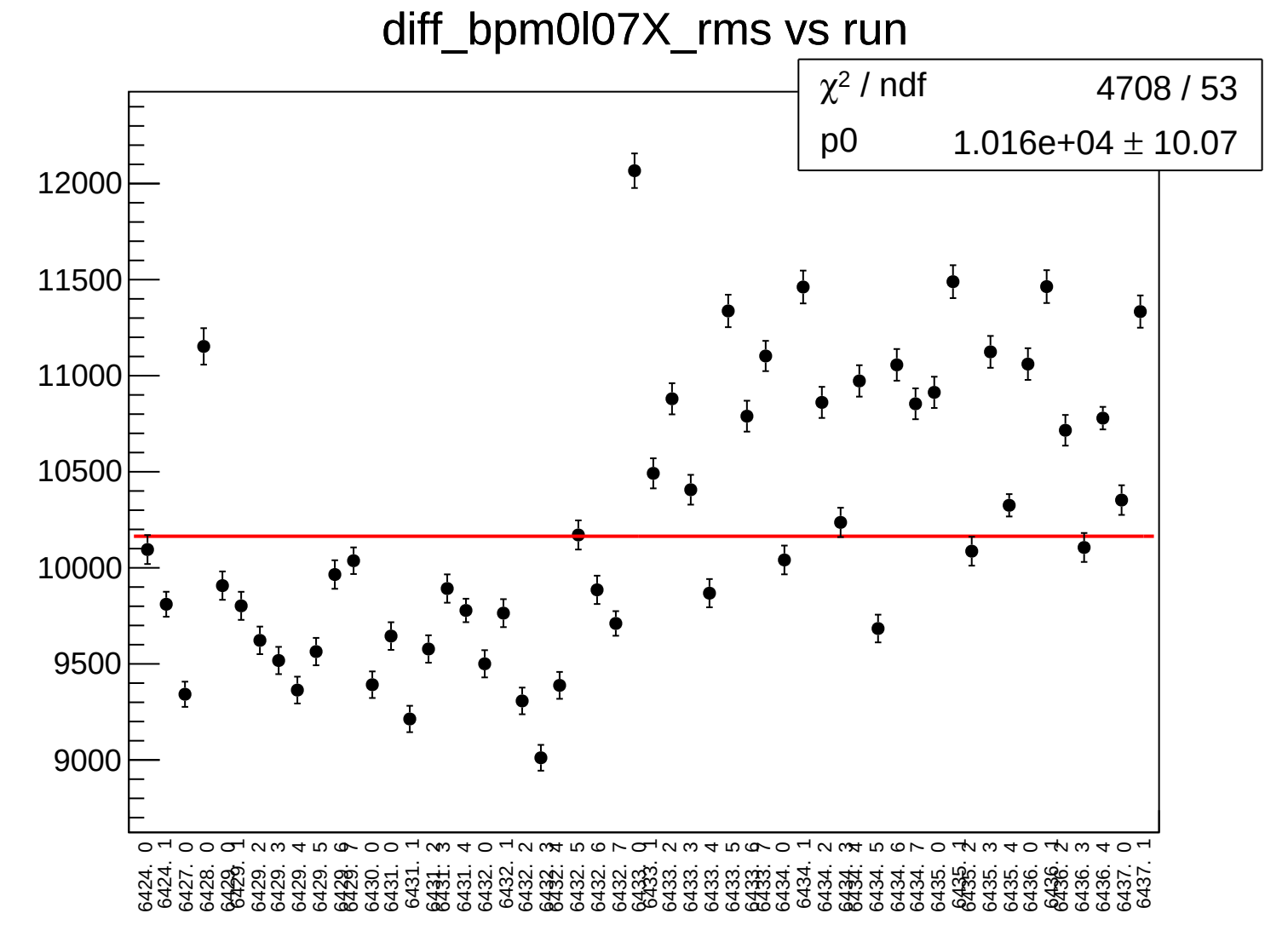

diff_bpm0l06Y_mean vs run
χ² / ndf 60.84 / 53
p0 1.705 ± 1.662
pull
Entries 54
Mean 732.6
Std Dev 0

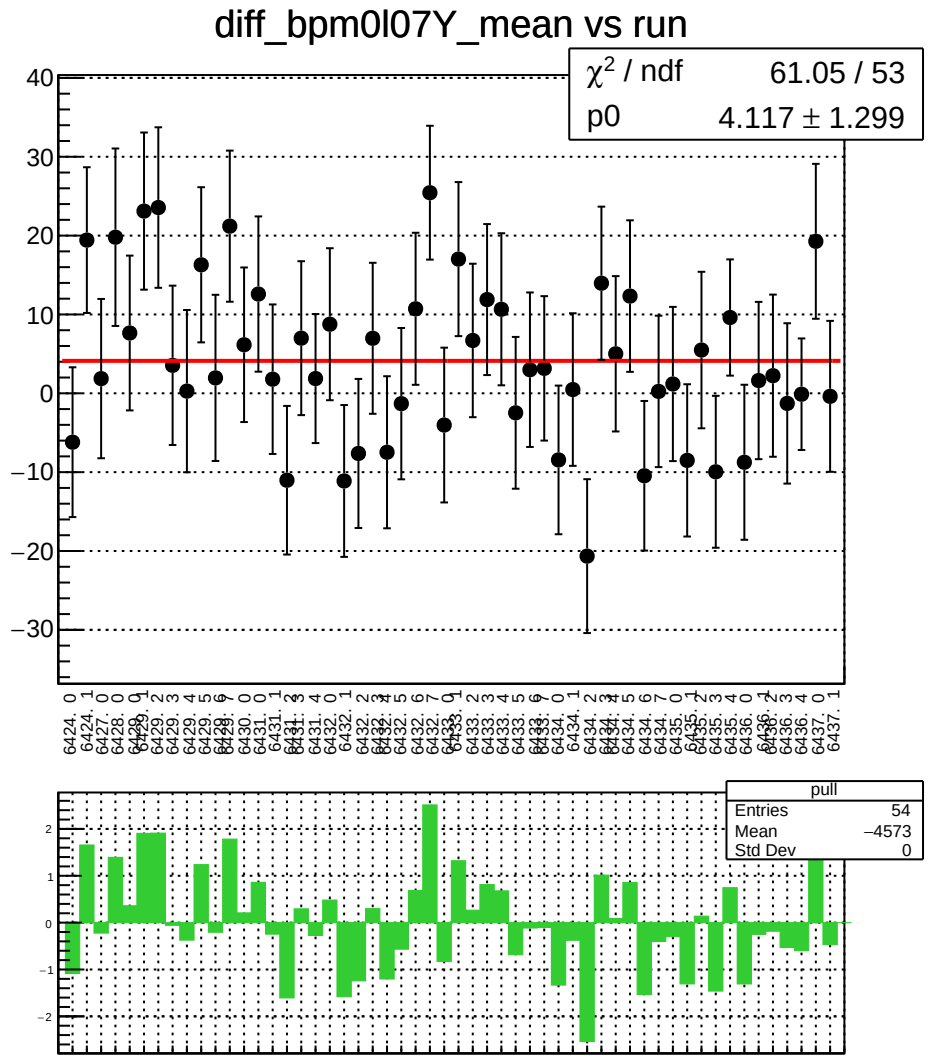

pull1D
Entries 54
Mean −0.004024
Std Dev 1.061

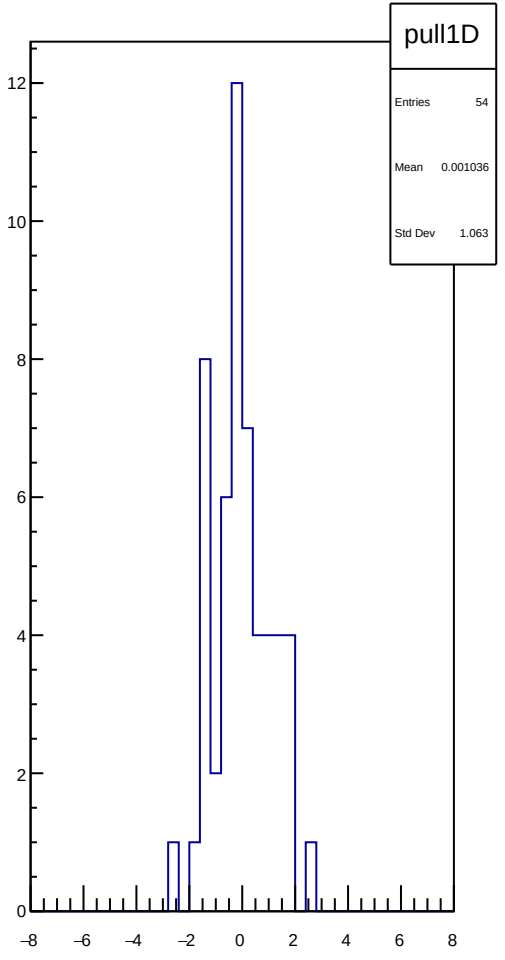

diff_bpm0l06Y_rms vs run
χ² / ndf 748.1 / 53
p0 1188 ± 1.175
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

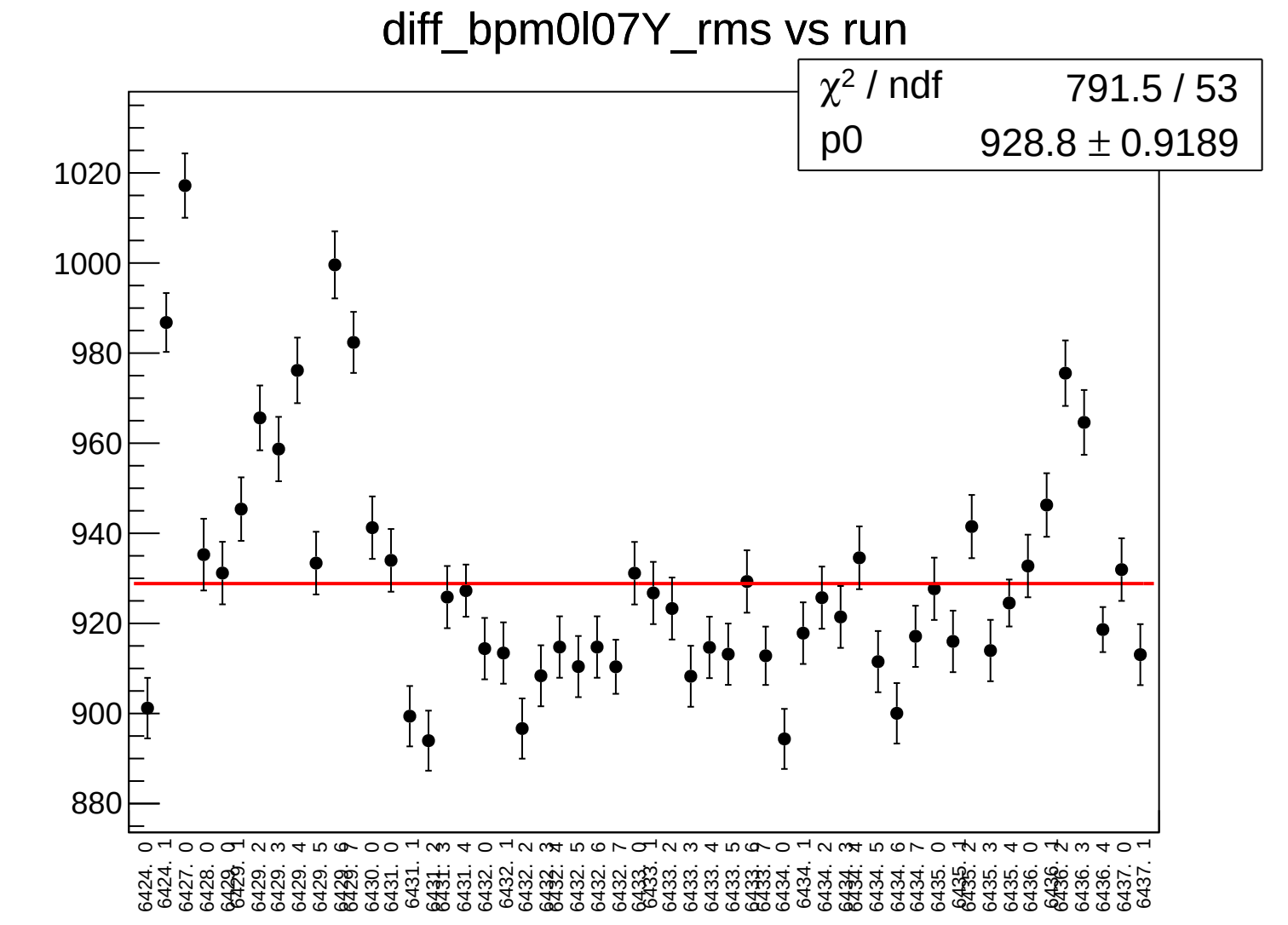

diff_bpm0l07X_mean vs run
χ² / ndf 81.9 / 53
p0 −28.07 ± 14.25
400
200
0
−200
−400
pull
Entries 54
Mean 295.3
Std Dev 0
3
2
1
0
−1
−2
−3

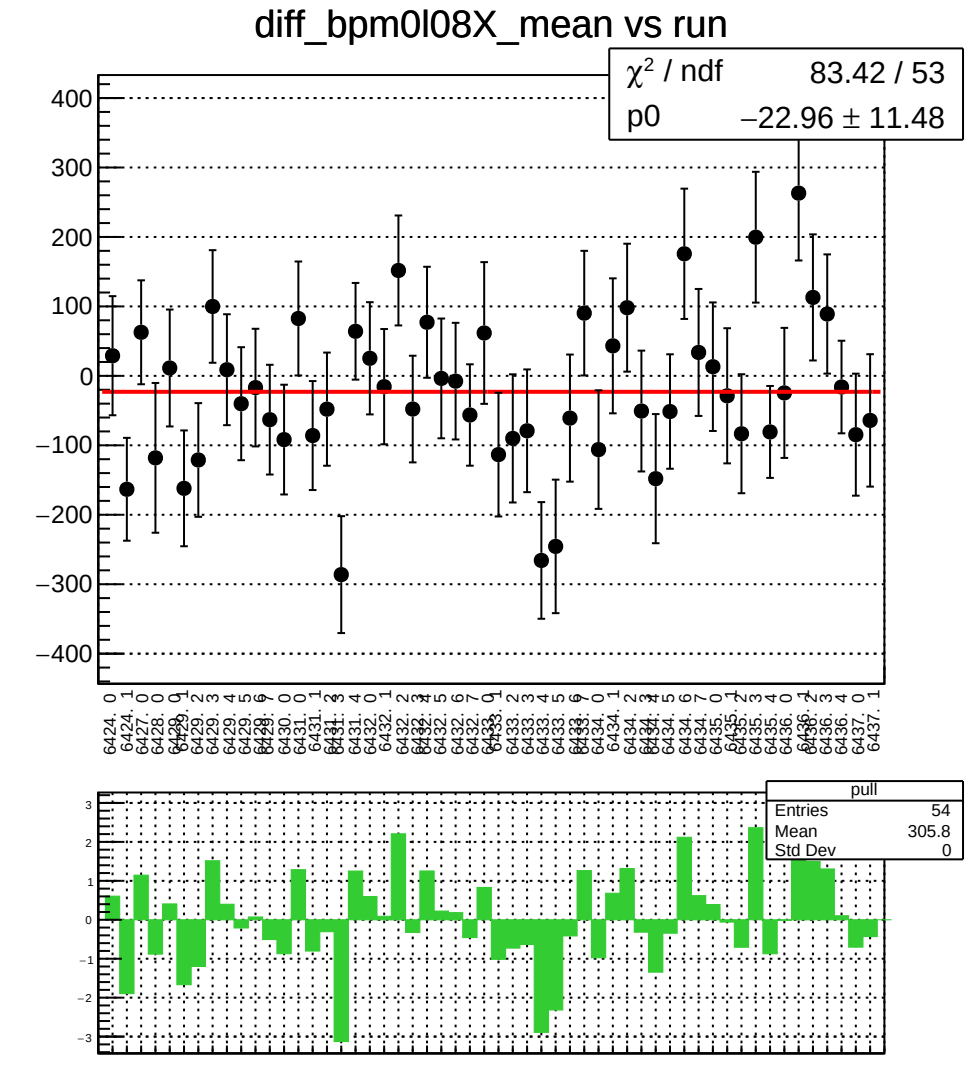

pull1D
Entries 54
Mean 0.01192
Std Dev 1.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

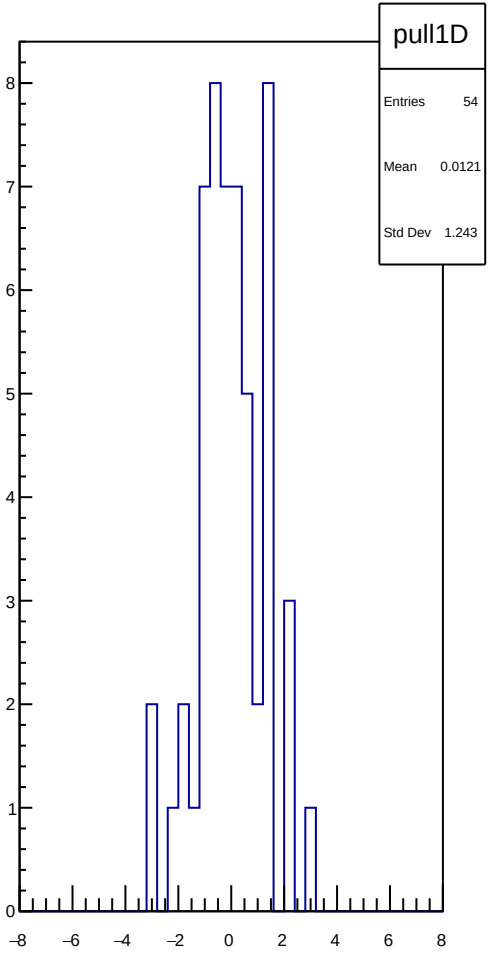

diff_bpm0l07X_rms vs run
χ² / ndf 4708 / 53
p0 1.016e+04 ± 10.07
12000
11500
11000
10500
10000
9500
9000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

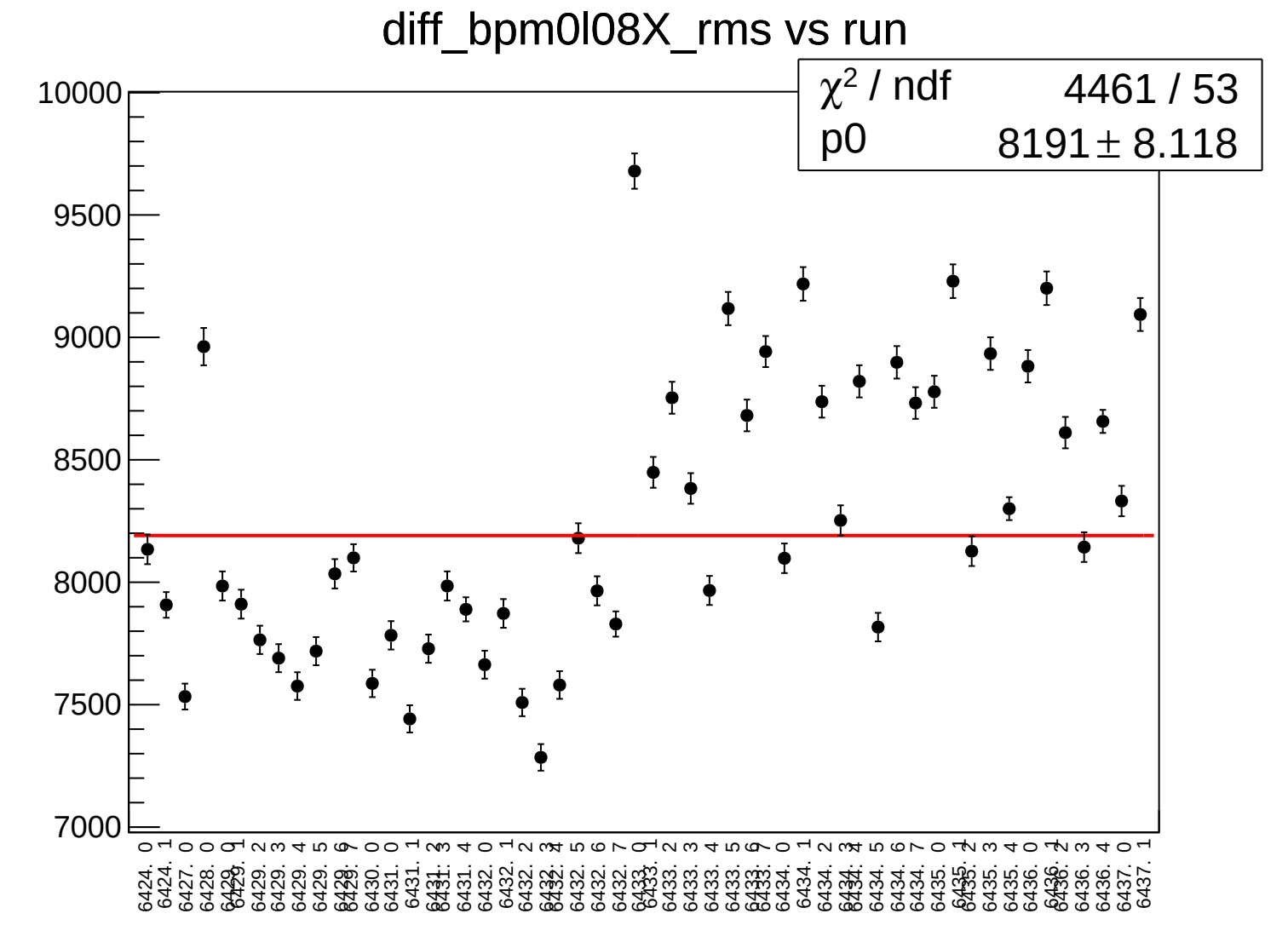

diff_bpm0l07Y_mean vs run
χ² / ndf 61.05 / 53
p0 4.117 ± 1.299
pull
Entries 54
Mean −4573
Std Dev 0

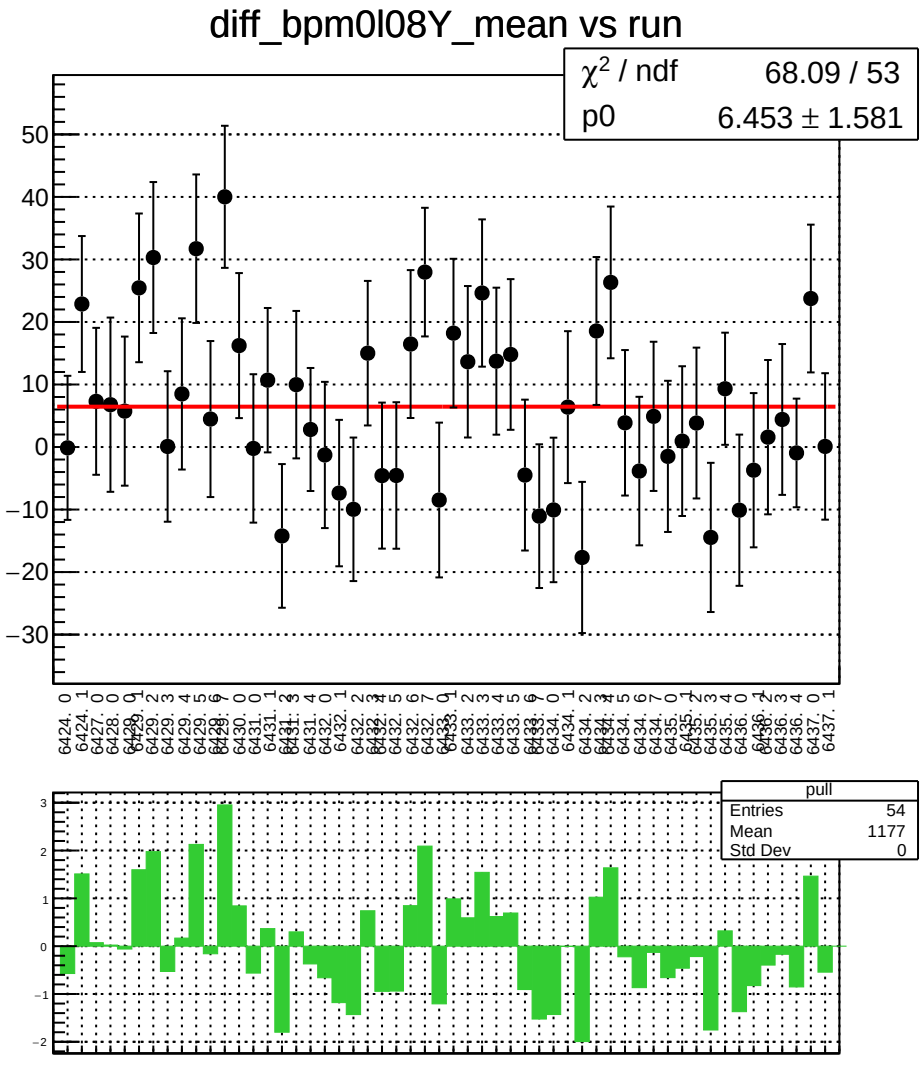

pull1D
Entries 54
Mean 0.001036
Std Dev 1.063

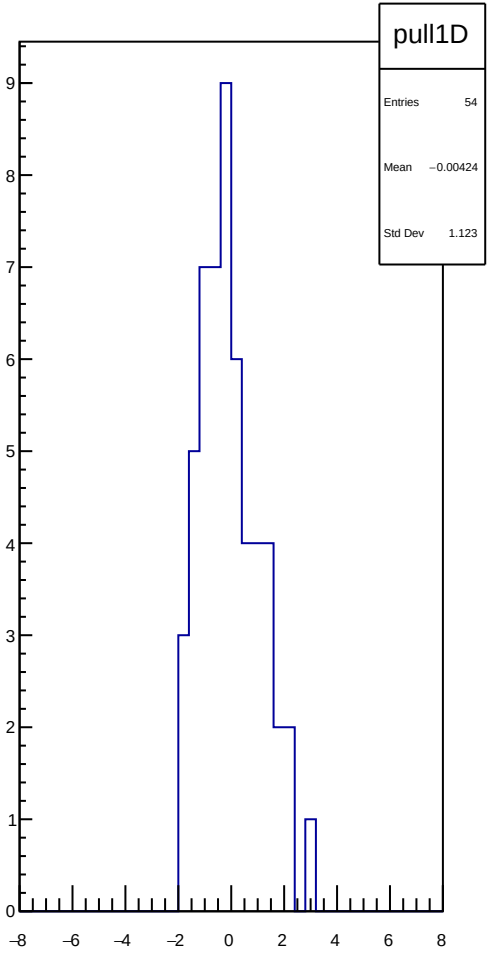

diff_bpm0l07Y_rms vs run
χ² / ndf 791.5 / 53
p0 928.8 ± 0.9189
1020
1000
980
960
940
920
900
880
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

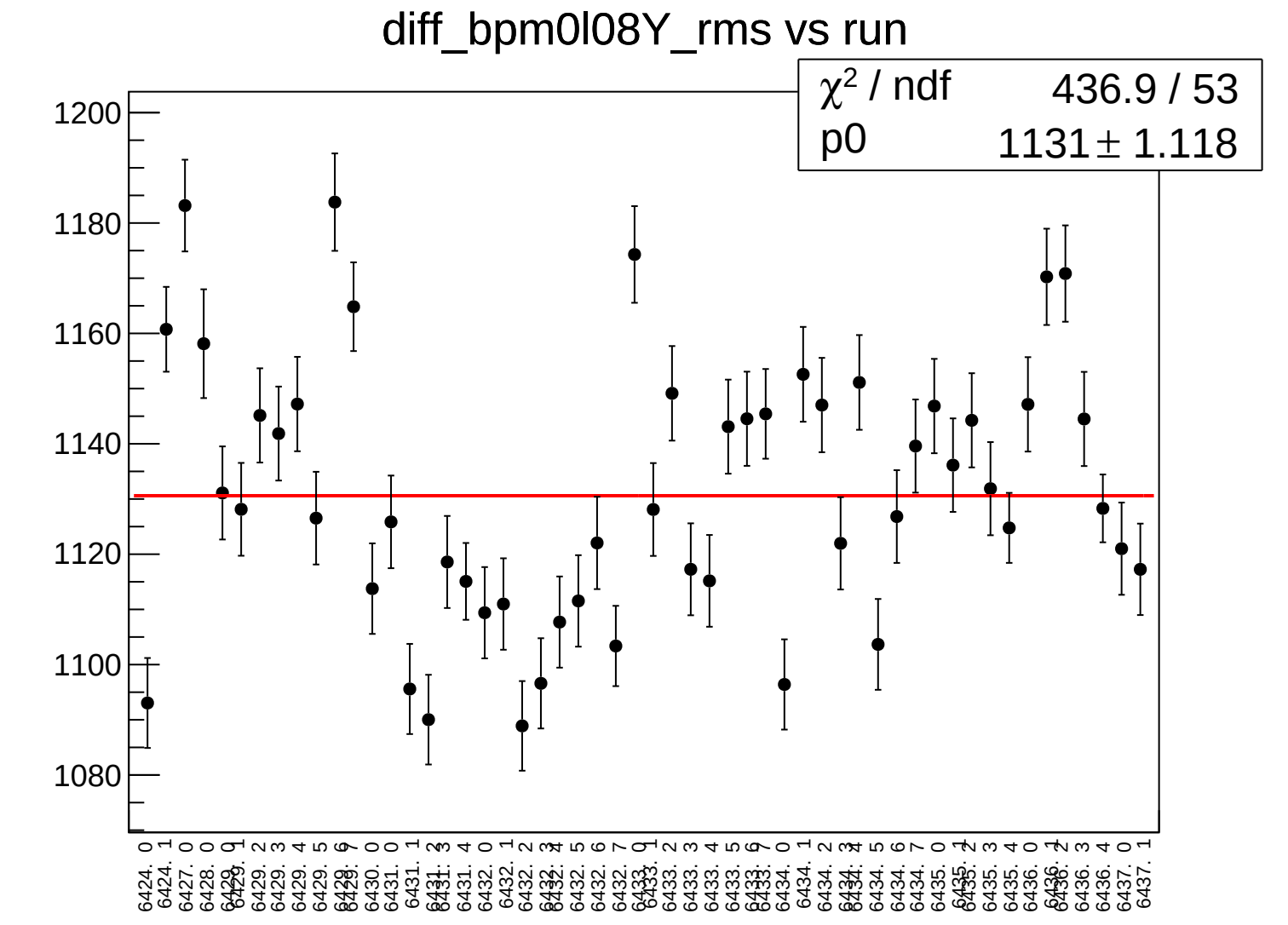

diff_bpm0l08X_mean vs run
χ² / ndf 83.42 / 53
p0 −22.96 ± 11.48
pull
Entries 54
Mean 305.8
Std Dev 0

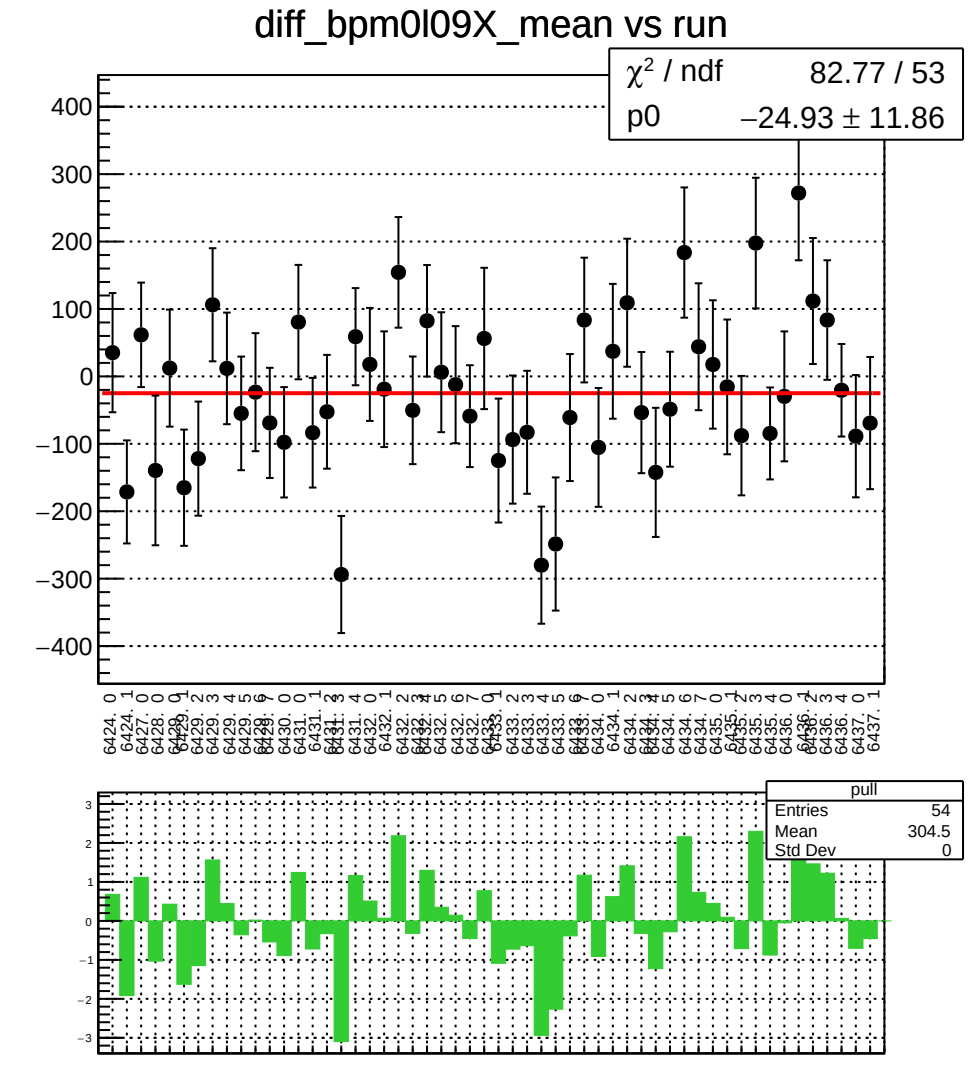

pull1D
Entries 54
Mean 0.0121
Std Dev 1.243

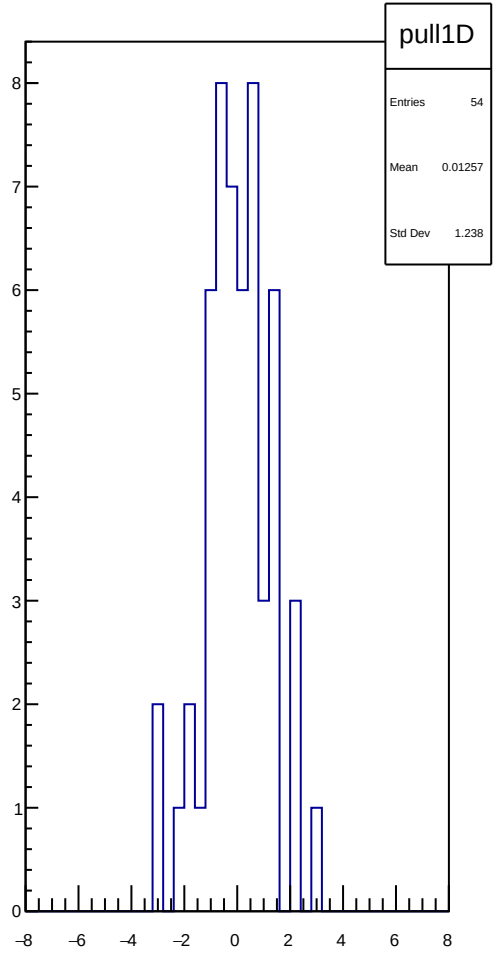

diff_bpm0l08X_rms vs run
χ² / ndf 4461 / 53
p0 8191 ± 8.118
10000
9500
9000
8500
8000
7500
7000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

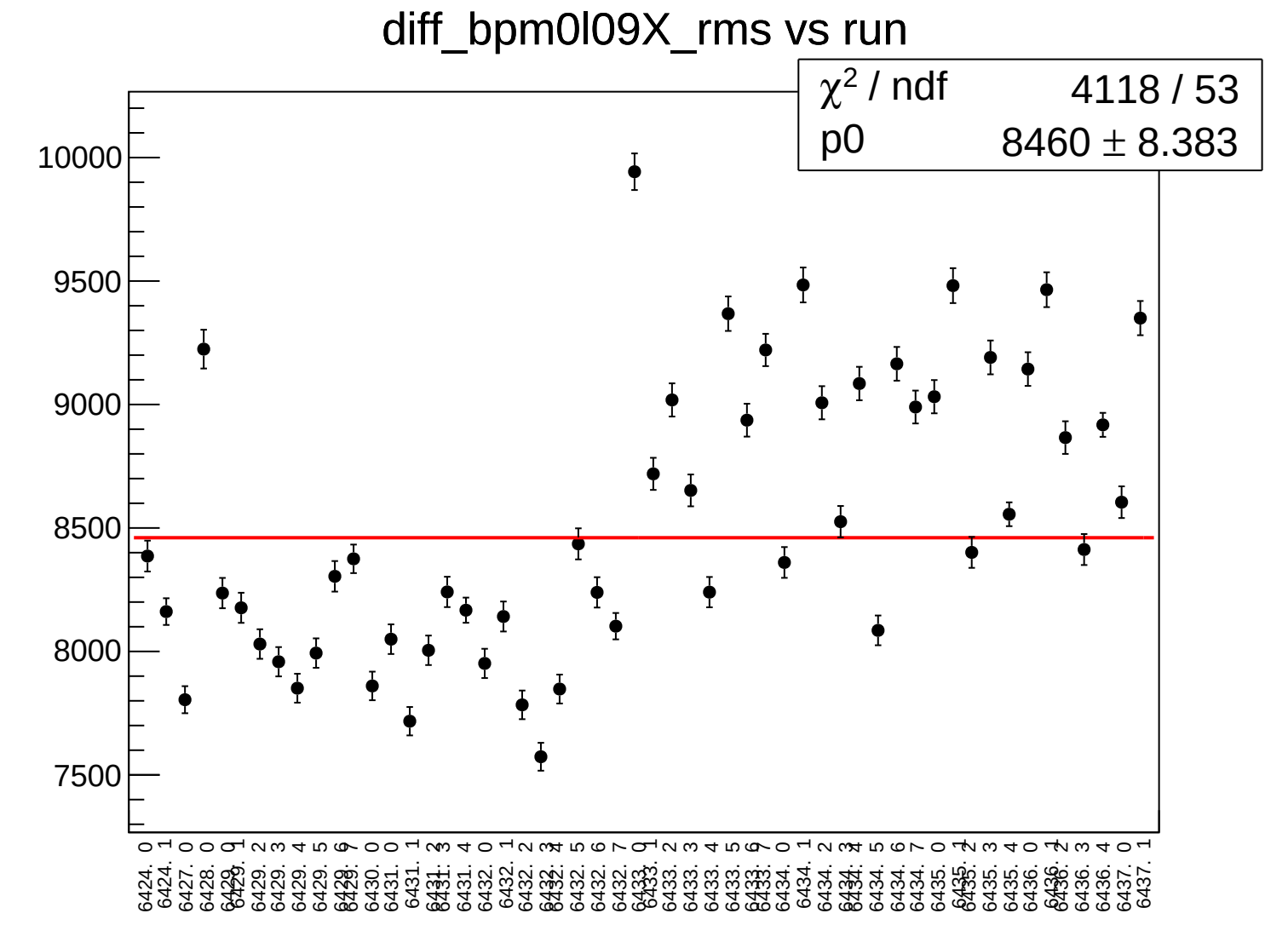

diff_bpm0l08Y_mean vs run
χ² / ndf 68.09 / 53
p0 6.453 ± 1.581
pull
Entries 54
Mean 1177
Std Dev 0

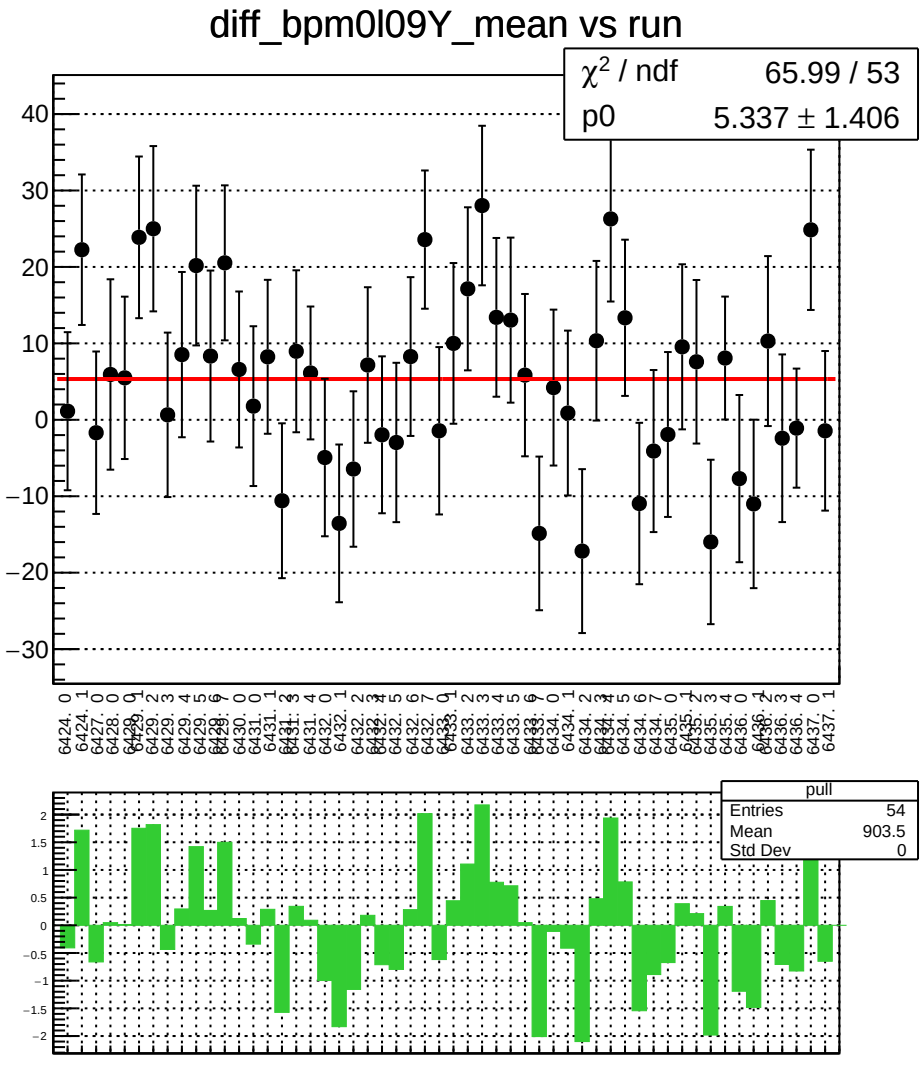

pull1D
Entries 54
Mean −0.00424
Std Dev 1.123

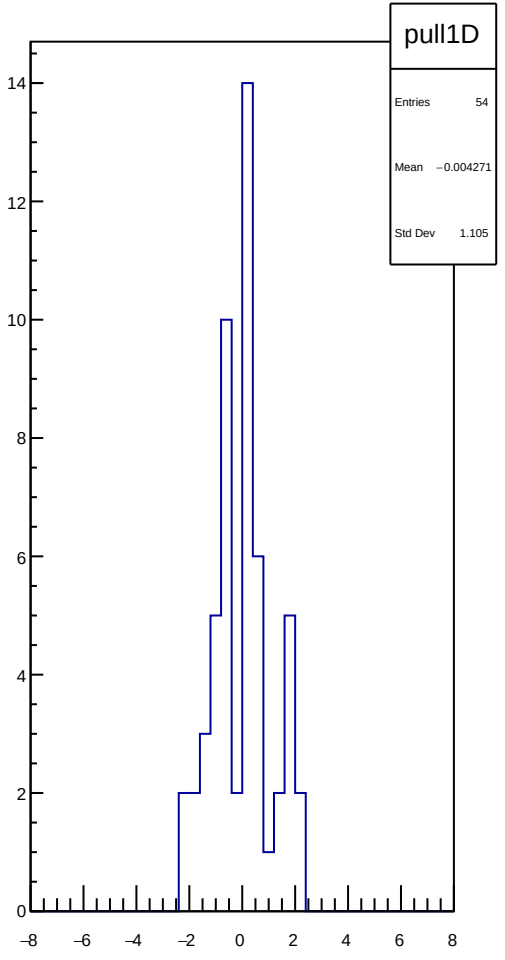

diff_bpm0l08Y_rms vs run
χ² / ndf 436.9 / 53
p0 1131 ± 1.118
1200
1180
1160
1140
1120
1100
1080
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

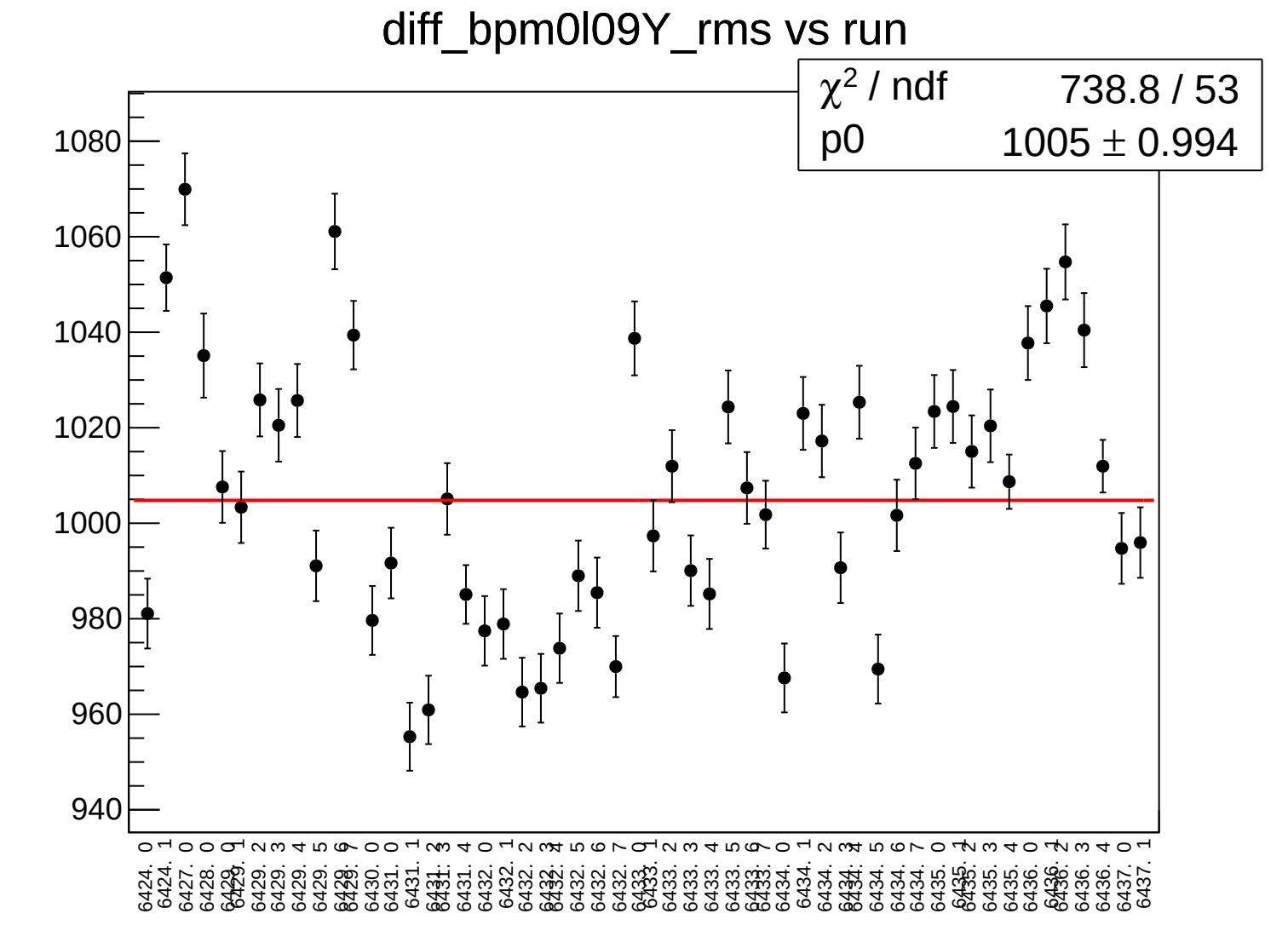

diff_bpm0l09X_mean vs run
χ² / ndf 82.77 / 53
p0 −24.93 ± 11.86
pull
Entries 54
Mean 304.5
Std Dev 0

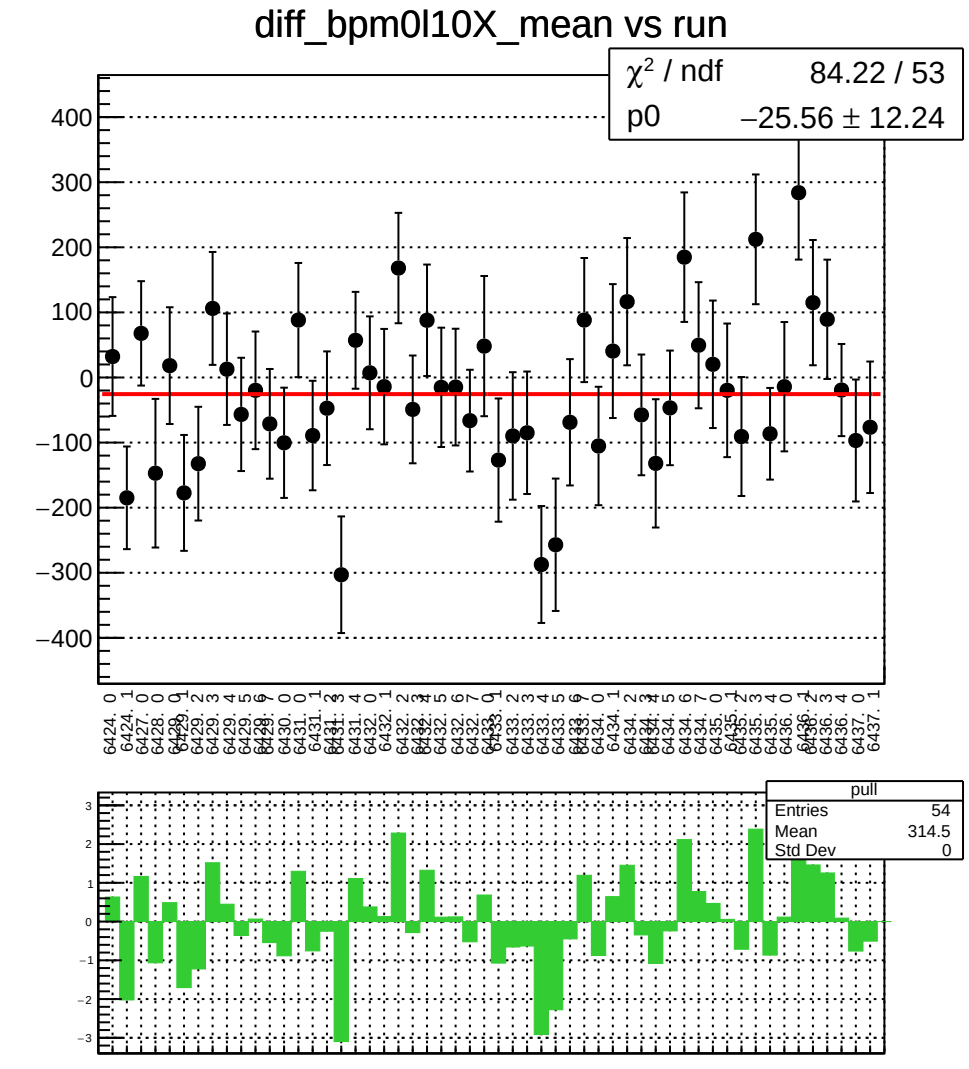

pull1D
Entries 54
Mean 0.01257
Std Dev 1.238

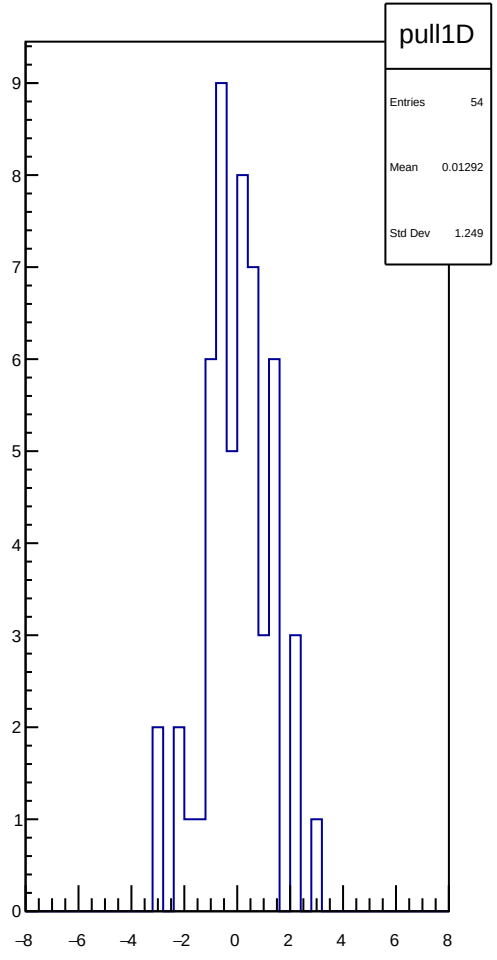

diff_bpm0l09X_rms vs run
χ² / ndf 4118 / 53
p0 8460 ± 8.383
10000
9500
9000
8500
8000
7500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

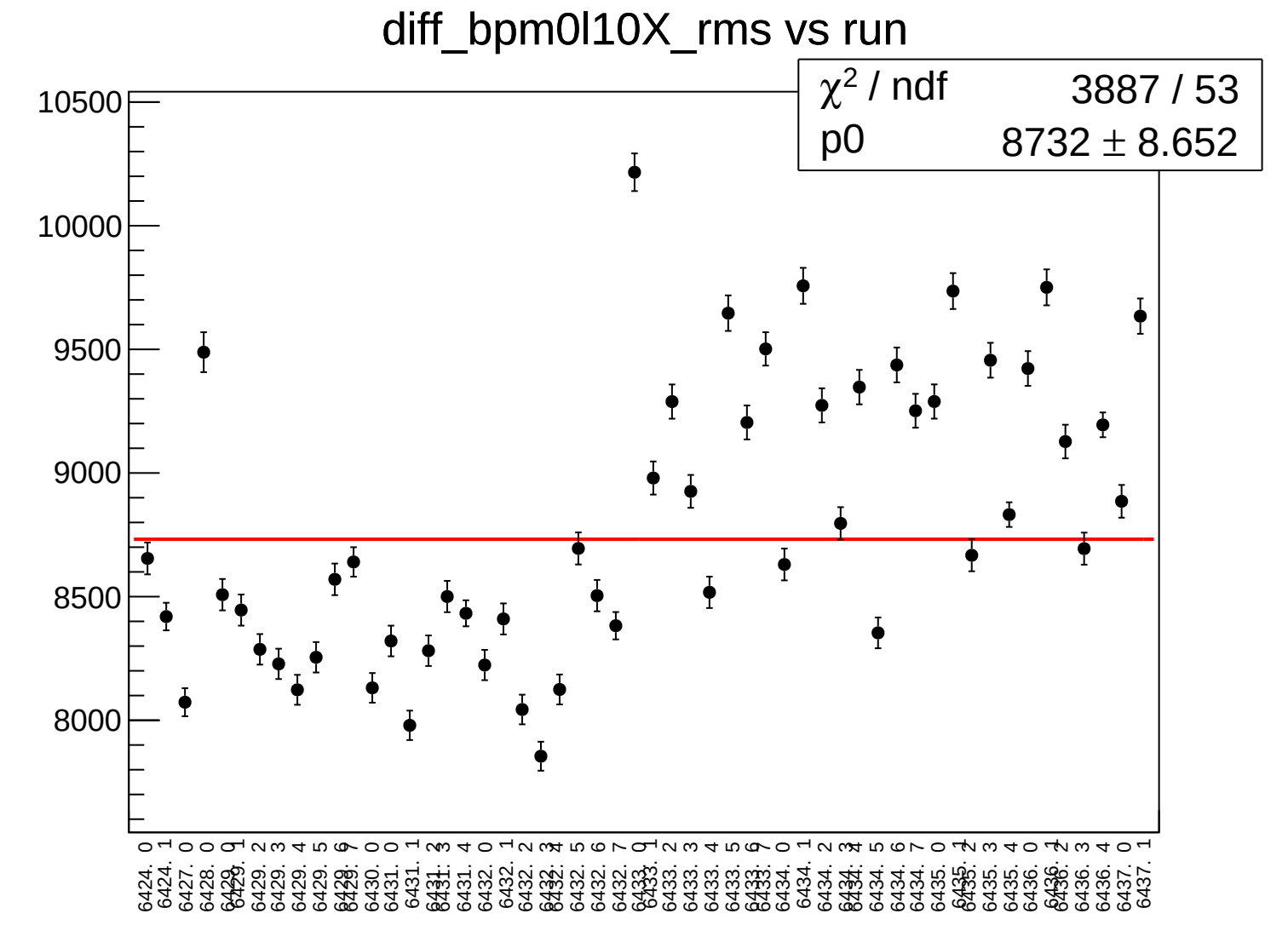

diff_bpm0l09Y_mean vs run
χ² / ndf 65.99 / 53
p0 5.337 ± 1.406
pull
Entries 54
Mean 903.5
Std Dev 0

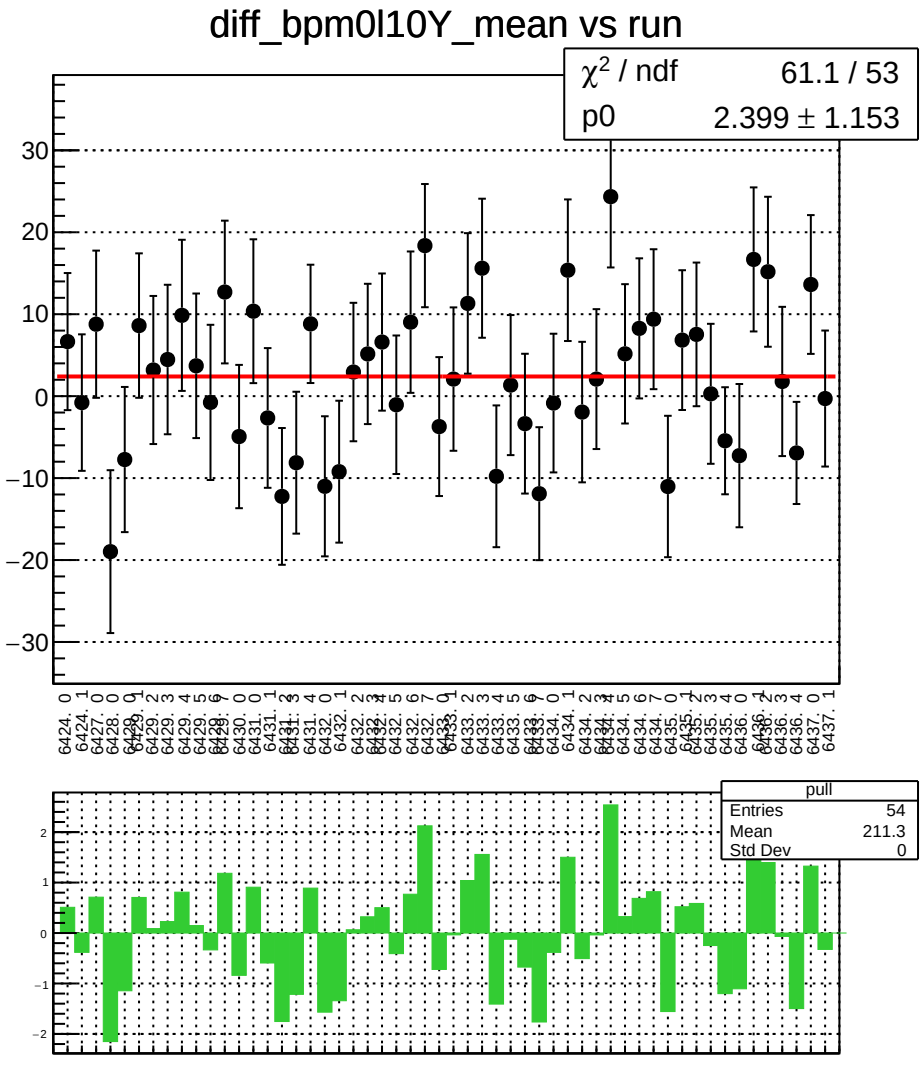

pull1D
Entries 54
Mean −0.004271
Std Dev 1.105

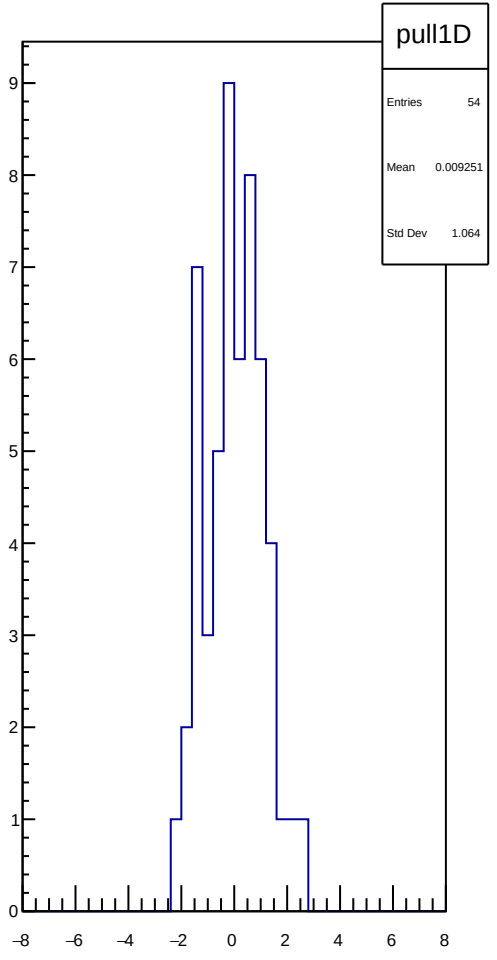

diff_bpm0l09Y_rms vs run
χ² / ndf 738.8 / 53
p0 1005 ± 0.994
1080
1060
1040
1020
1000
980
960
940
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

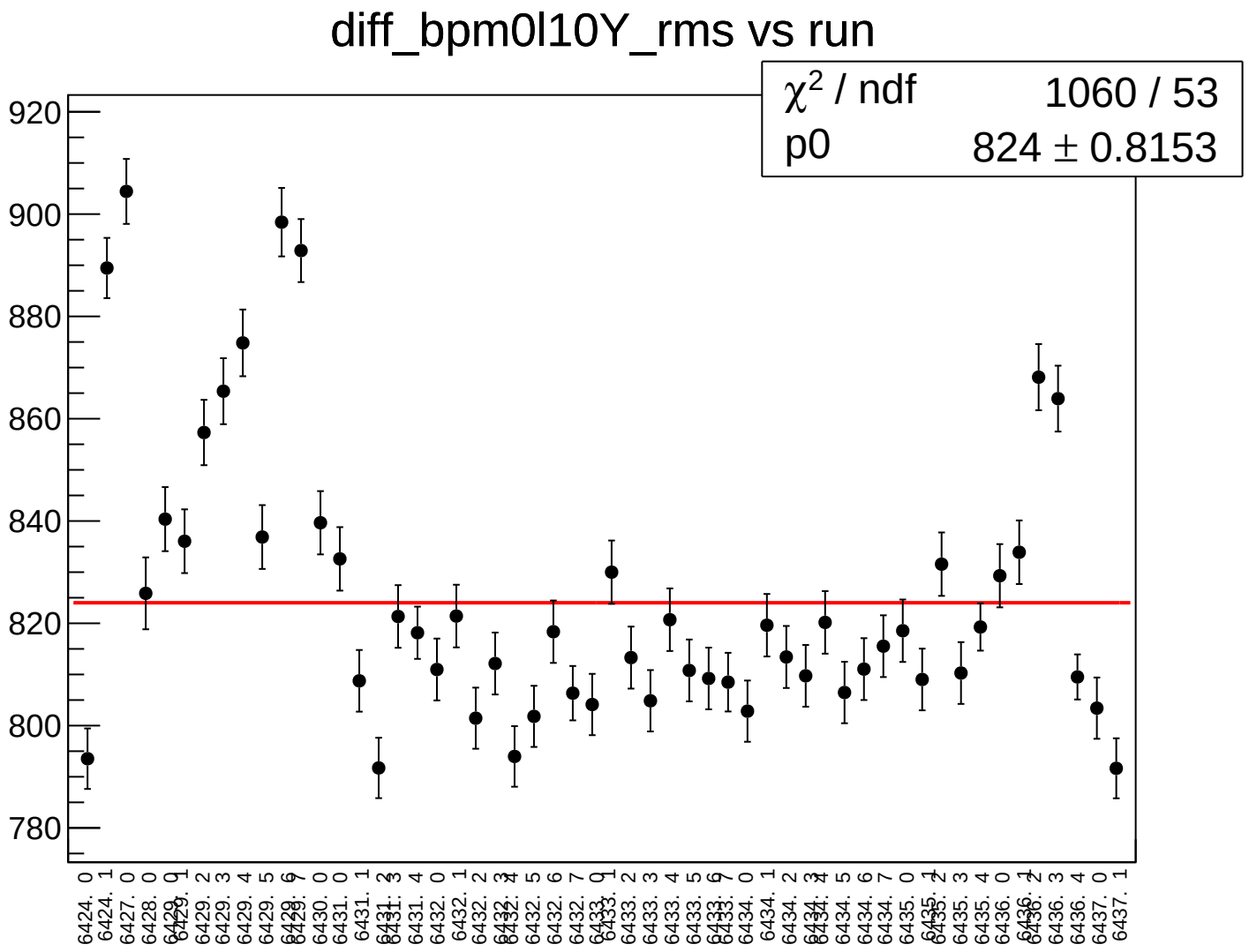

diff_bpm0l10X_mean vs run
χ² / ndf 84.22 / 53
p0 −25.56 ± 12.24
pull
Entries 54
Mean 314.5
Std Dev 0

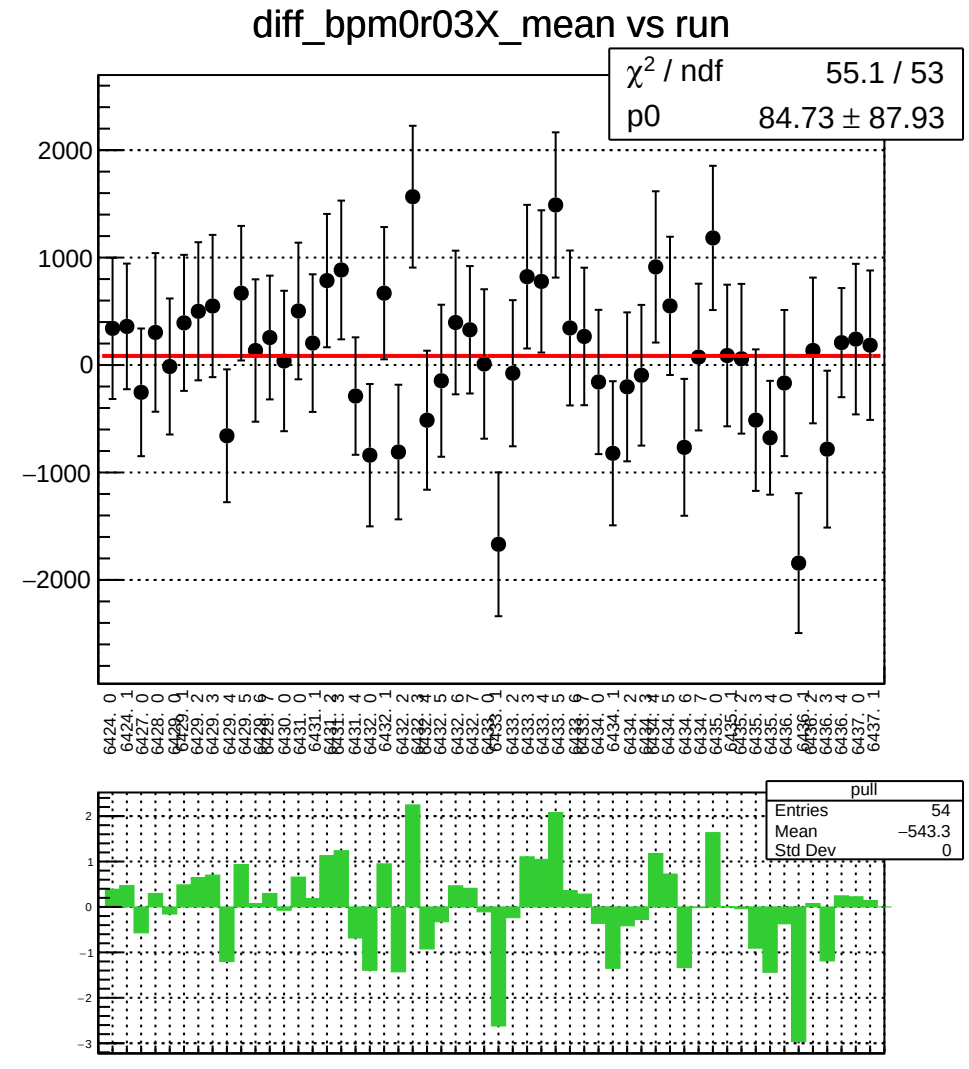

pull1D
Entries 54
Mean 0.01292
Std Dev 1.249

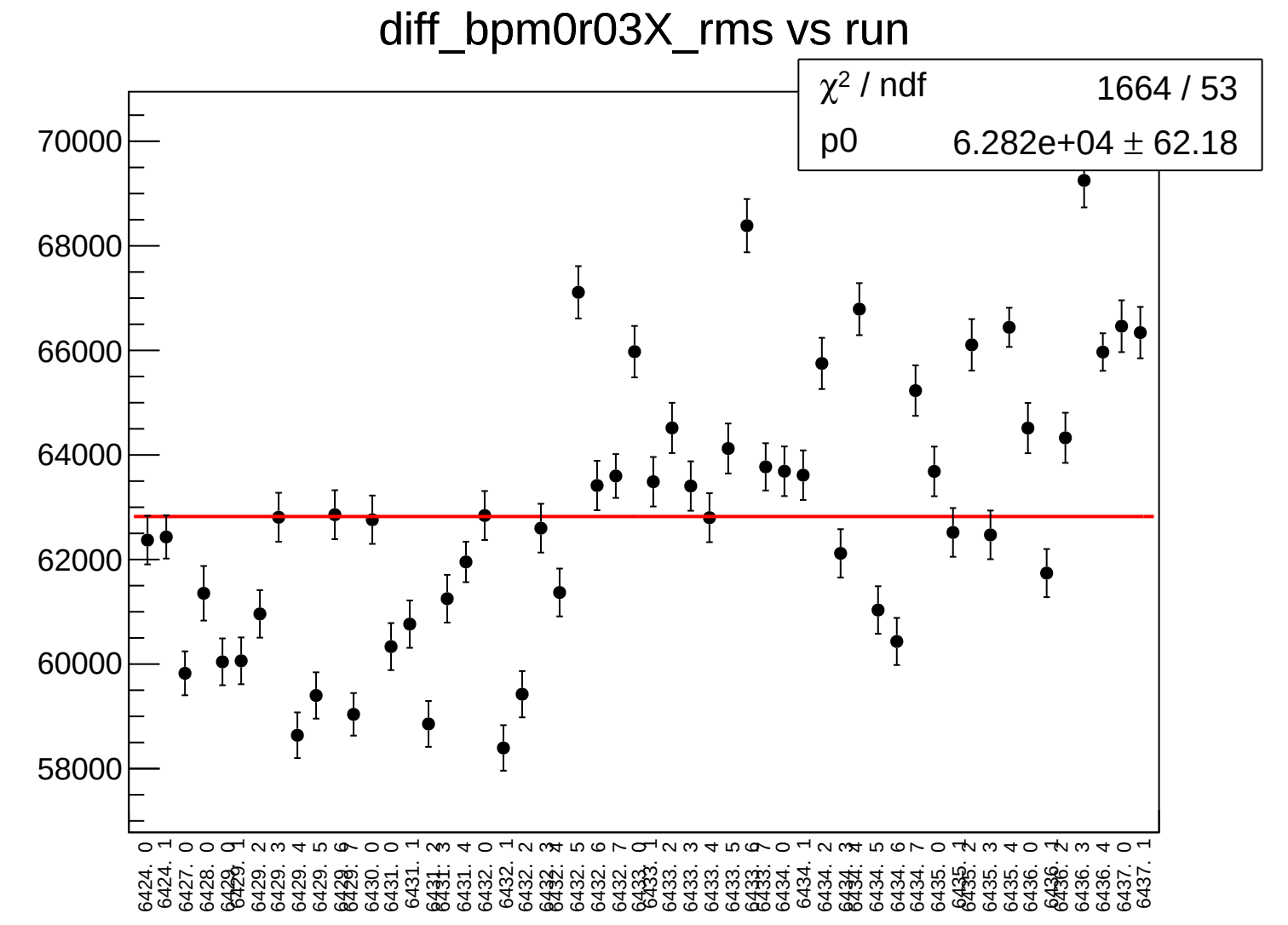

diff_bpm0l10X_rms vs run
χ² / ndf 3887 / 53
p0 8732 ± 8.652
10500
10000
9500
9000
8500
8000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

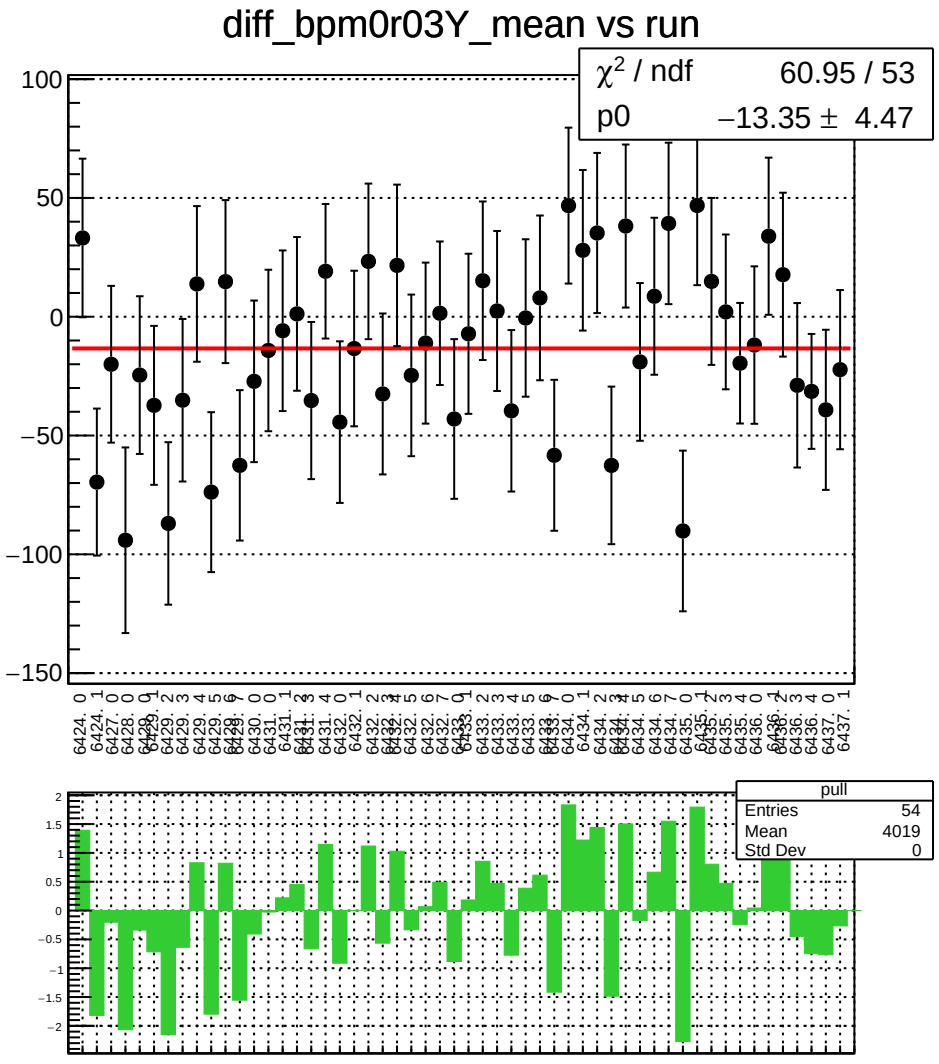

diff_bpm0l10Y_mean vs run
χ² / ndf 61.1 / 53
p0 2.399 ± 1.153
pull
Entries 54
Mean 211.3
Std Dev 0

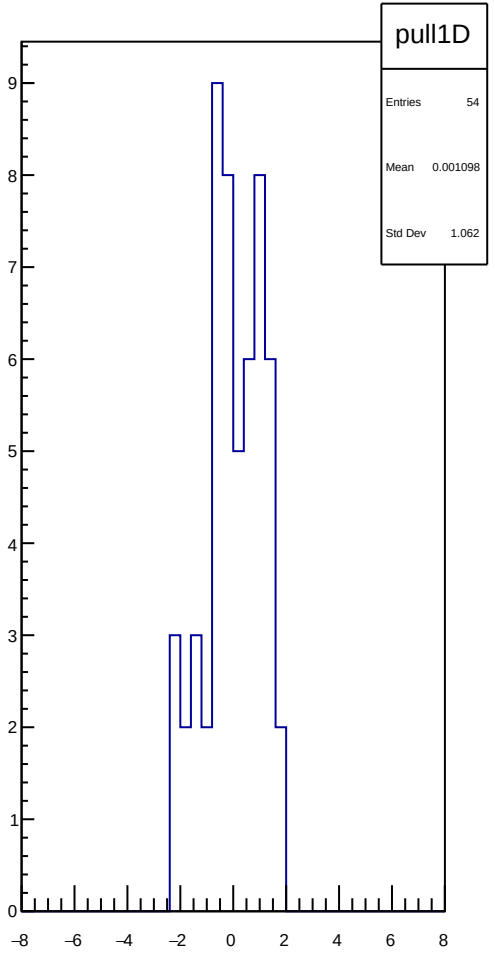

pull1D
Entries 54
Mean 0.009251
Std Dev 1.064

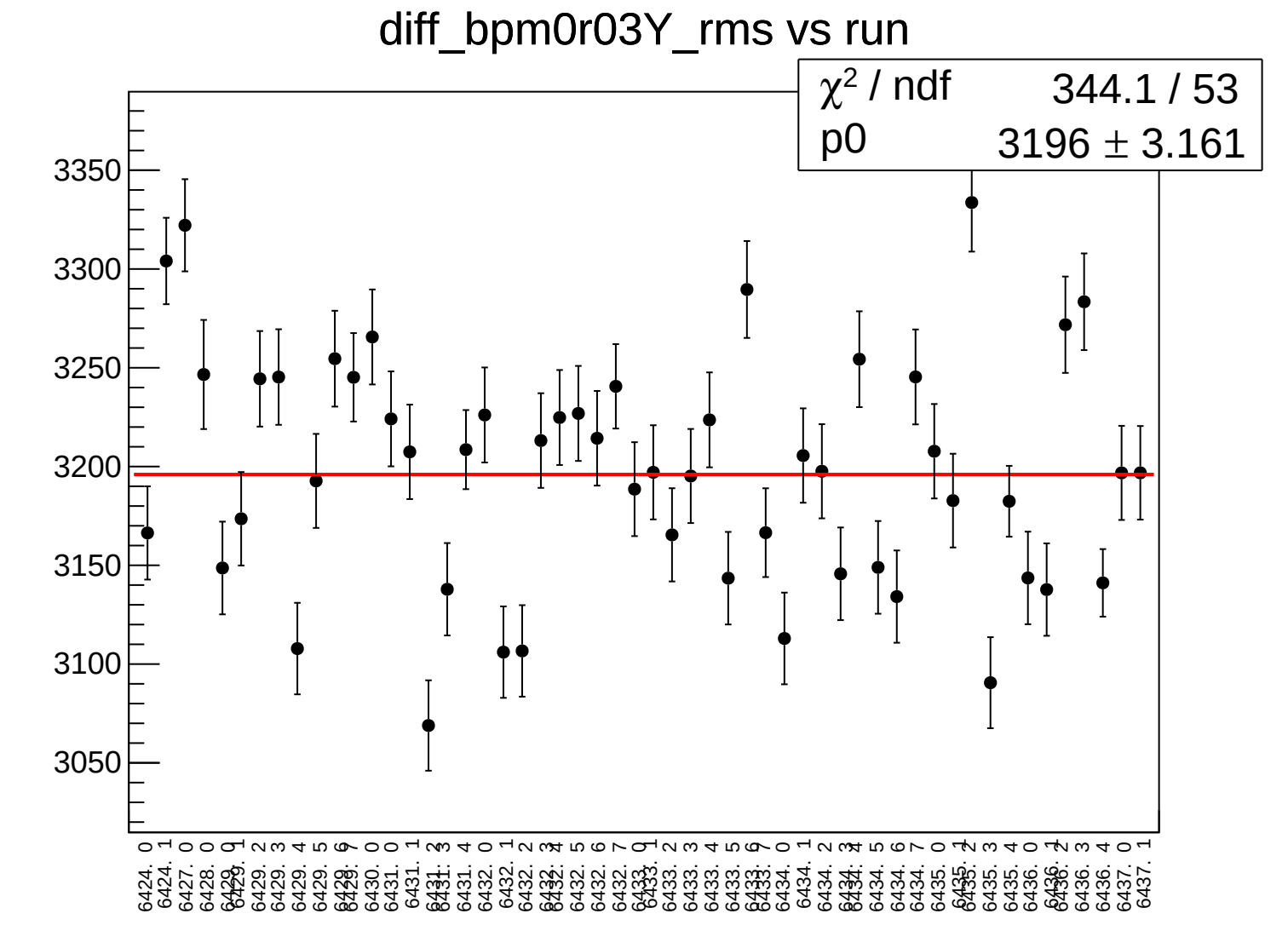

diff_bpm0l10Y_rms vs run
χ^2 / ndf 1060 / 53
p0 824 ± 0.8153
920
900
880
860
840
820
800
780
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

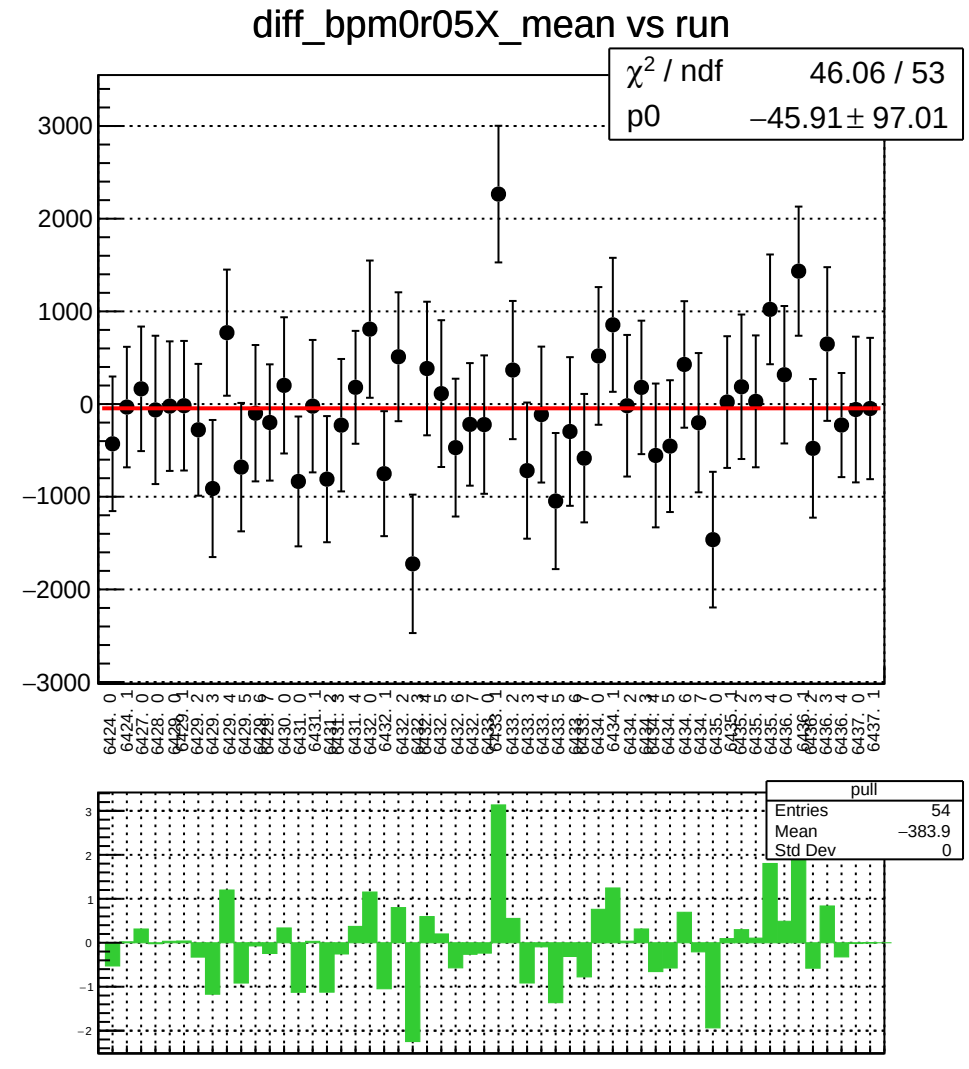

diff_bpm0r03X_mean vs run
χ² / ndf 55.1 / 53
p0 84.73 ± 87.93
pull
Entries 54
Mean −543.3
Std Dev 0
pull1D
Entries 54
Mean 0.005665
Std Dev 1.01

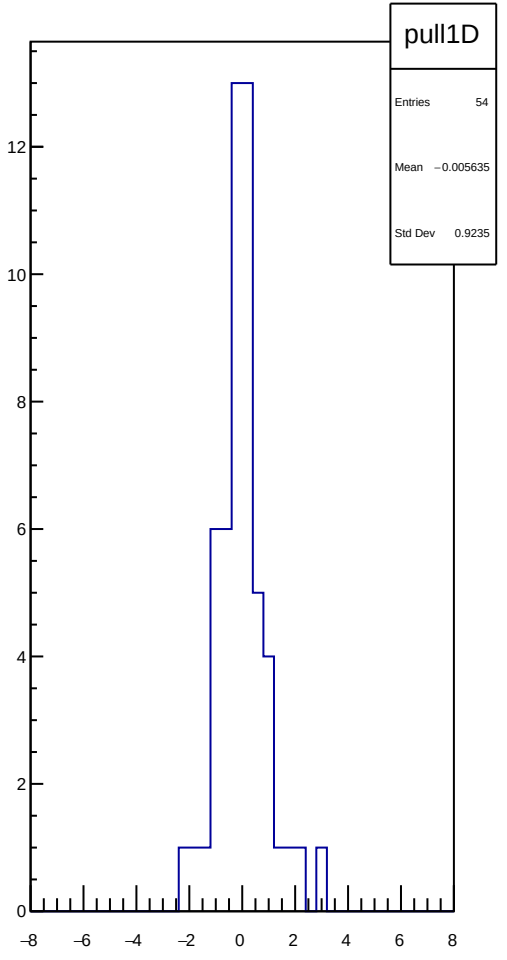

diff_bpm0r03X_rms vs run
χ² / ndf 1664 / 53
p0 6.282e+04 ± 62.18
70000
68000
66000
64000
62000
60000
58000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

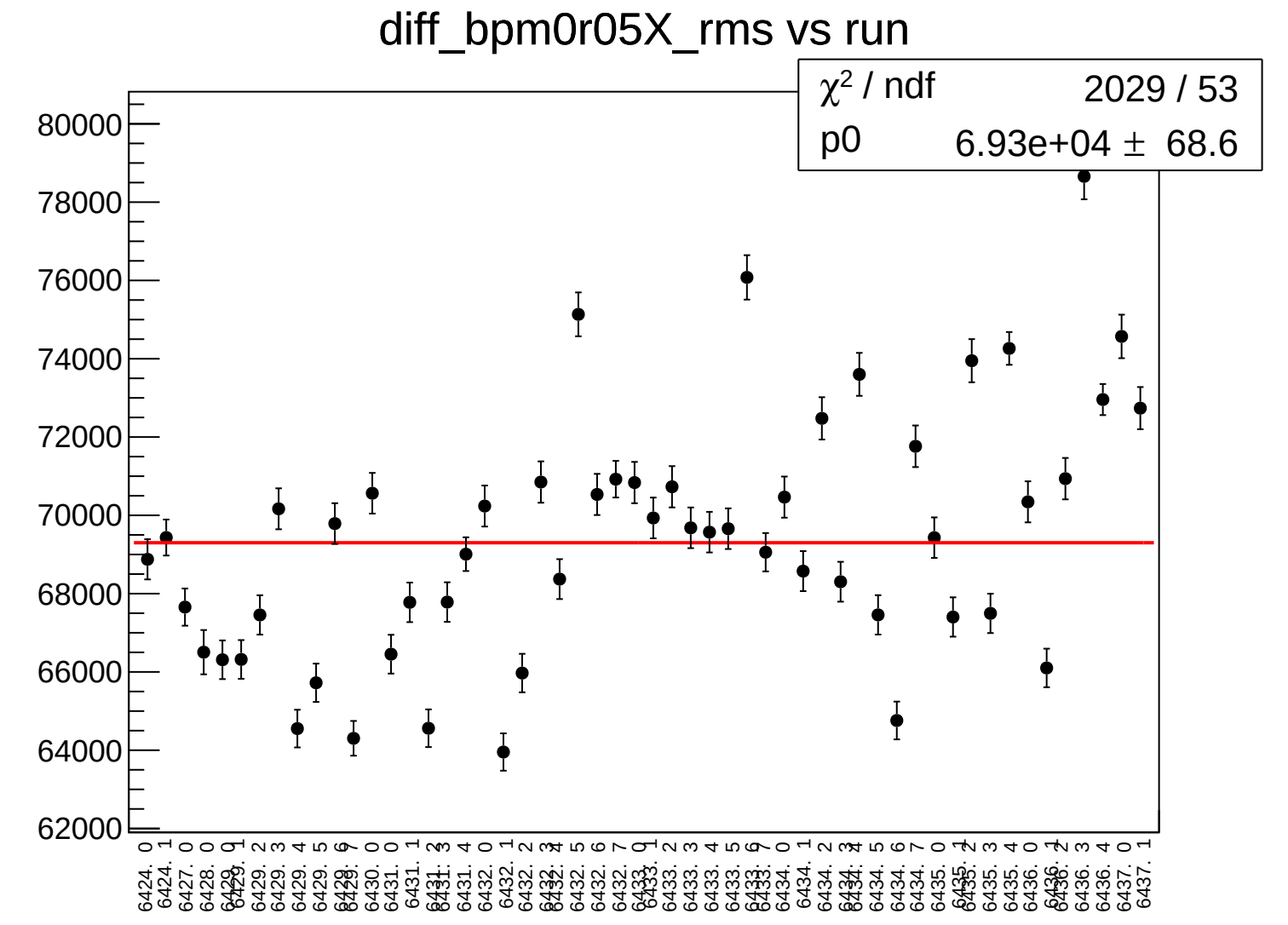

diff_bpm0r03Y_mean vs run
χ² / ndf 60.95 / 53
p0 −13.35 ± 4.47
pull
Entries 54
Mean 4019
Std Dev 0

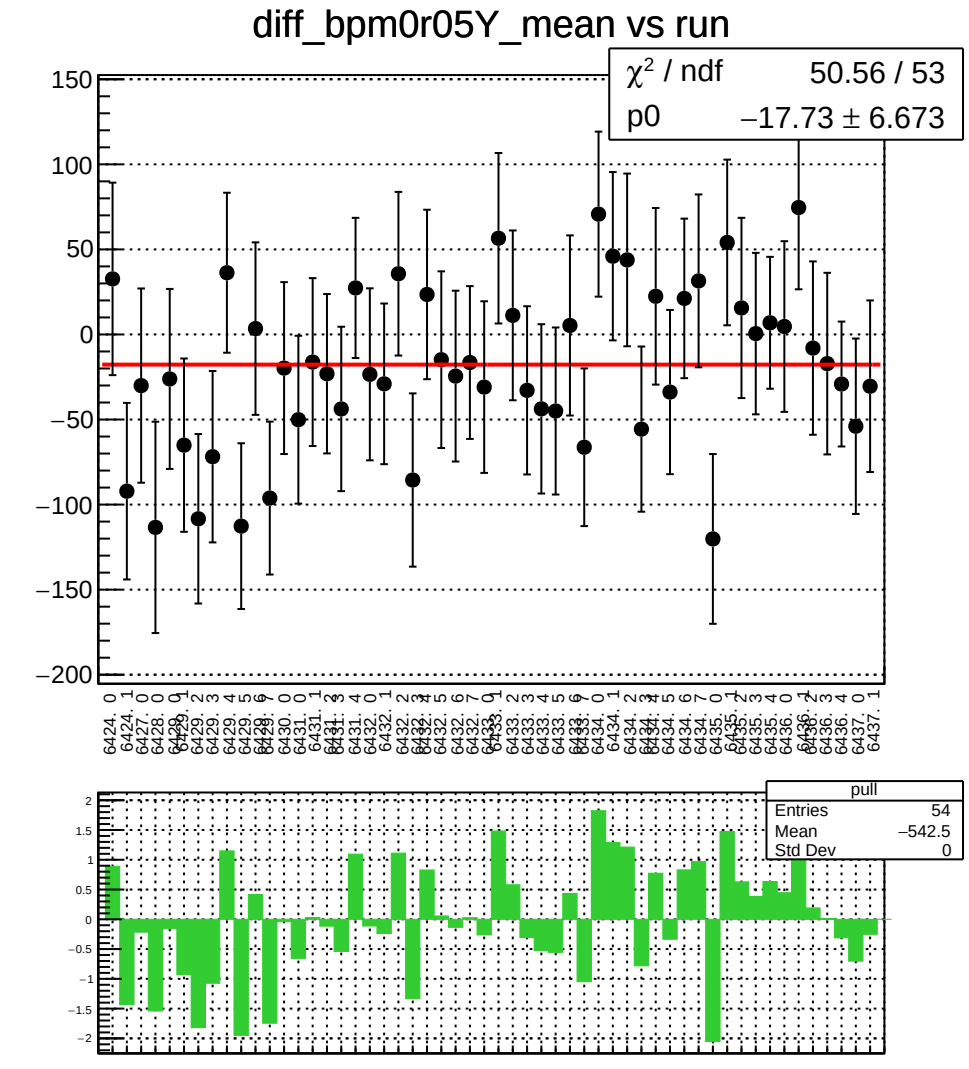

pull1D
Entries 54
Mean 0.001098
Std Dev 1.062

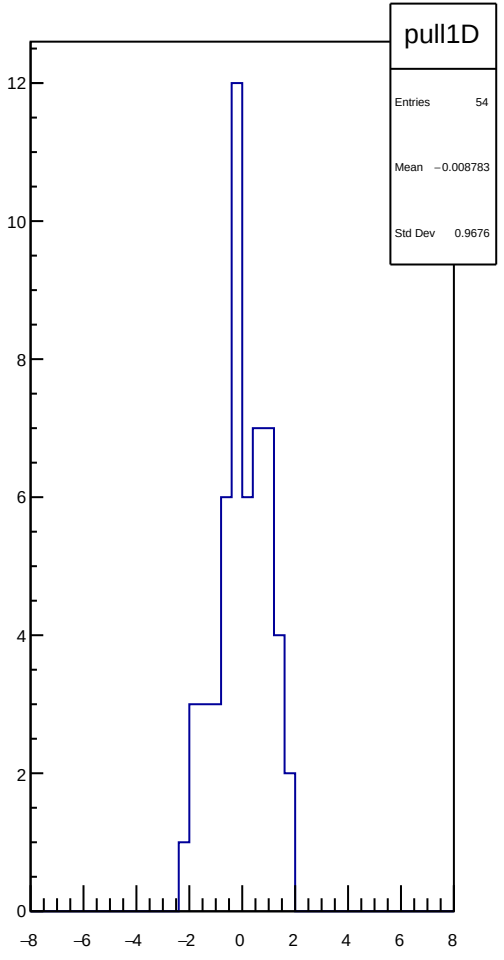

diff_bpm0r03Y_rms vs run
χ² / ndf 344.1 / 53
p0 3196 ± 3.161
3350
3300
3250
3200
3150
3100
3050
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

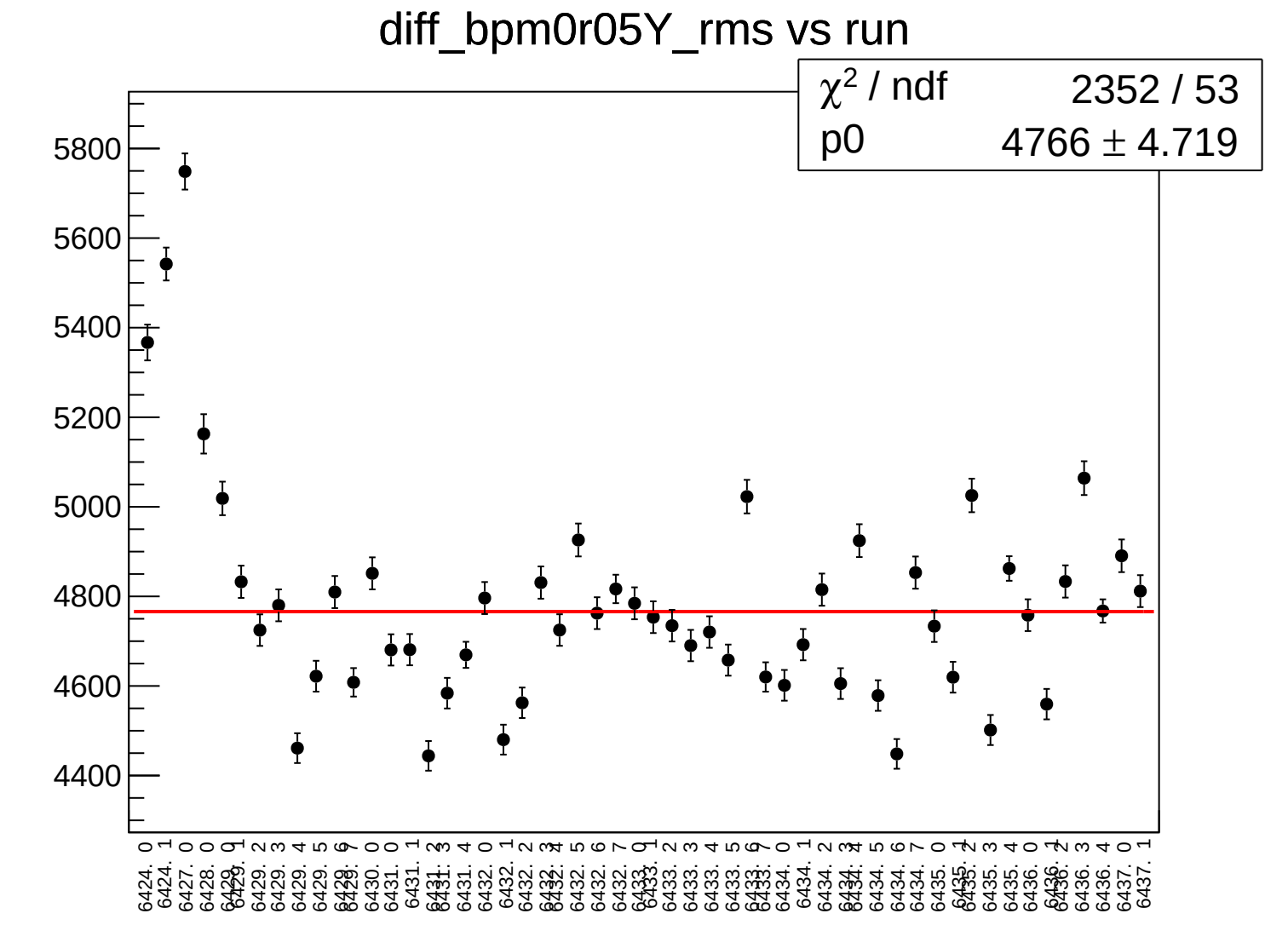

diff_bpm0r05X_mean vs run
χ² / ndf 46.06 / 53
p0 −45.91 ± 97.01
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −383.9
Std Dev 0
3
2
1
0
−1
−2

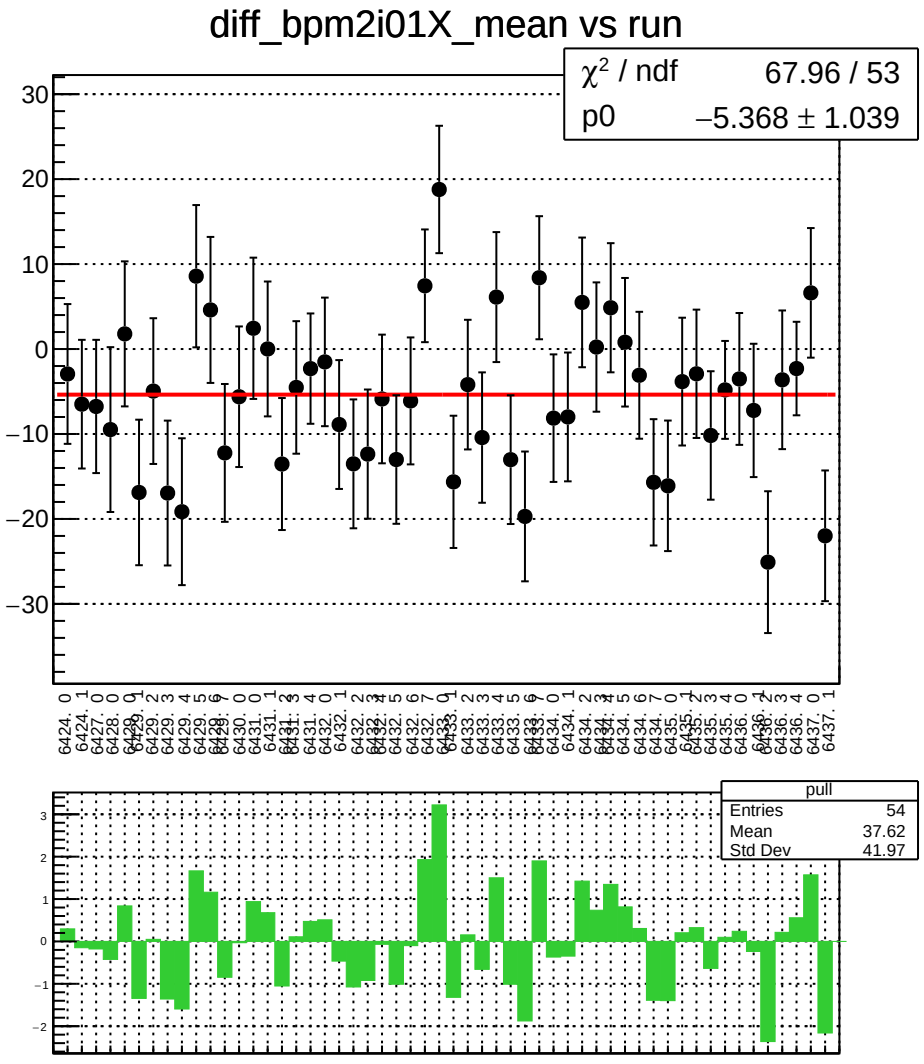

pull1D
Entries 54
Mean −0.005635
Std Dev 0.9235
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

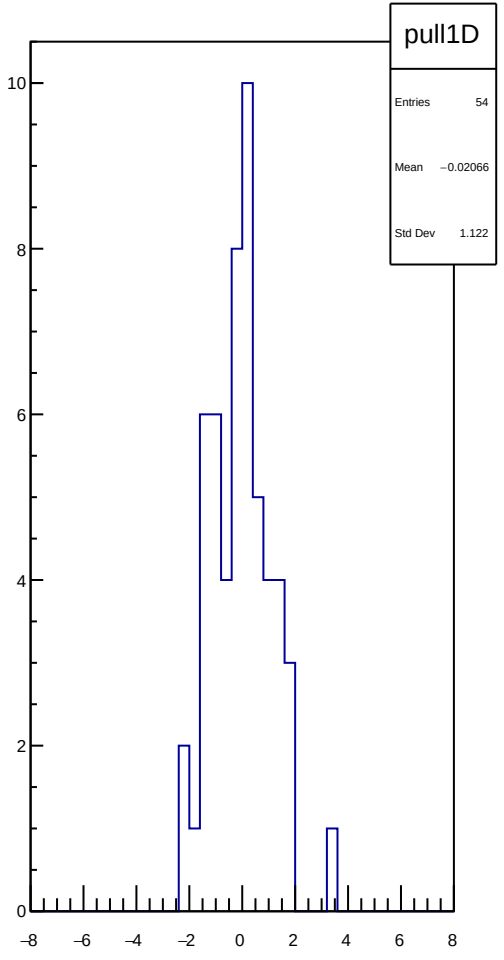

diff_bpm0r05X_rms vs run
χ² / ndf 2029 / 53
p0 6.93e+04 ± 68.6
80000
78000
76000
74000
72000
70000
68000
66000
64000
62000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

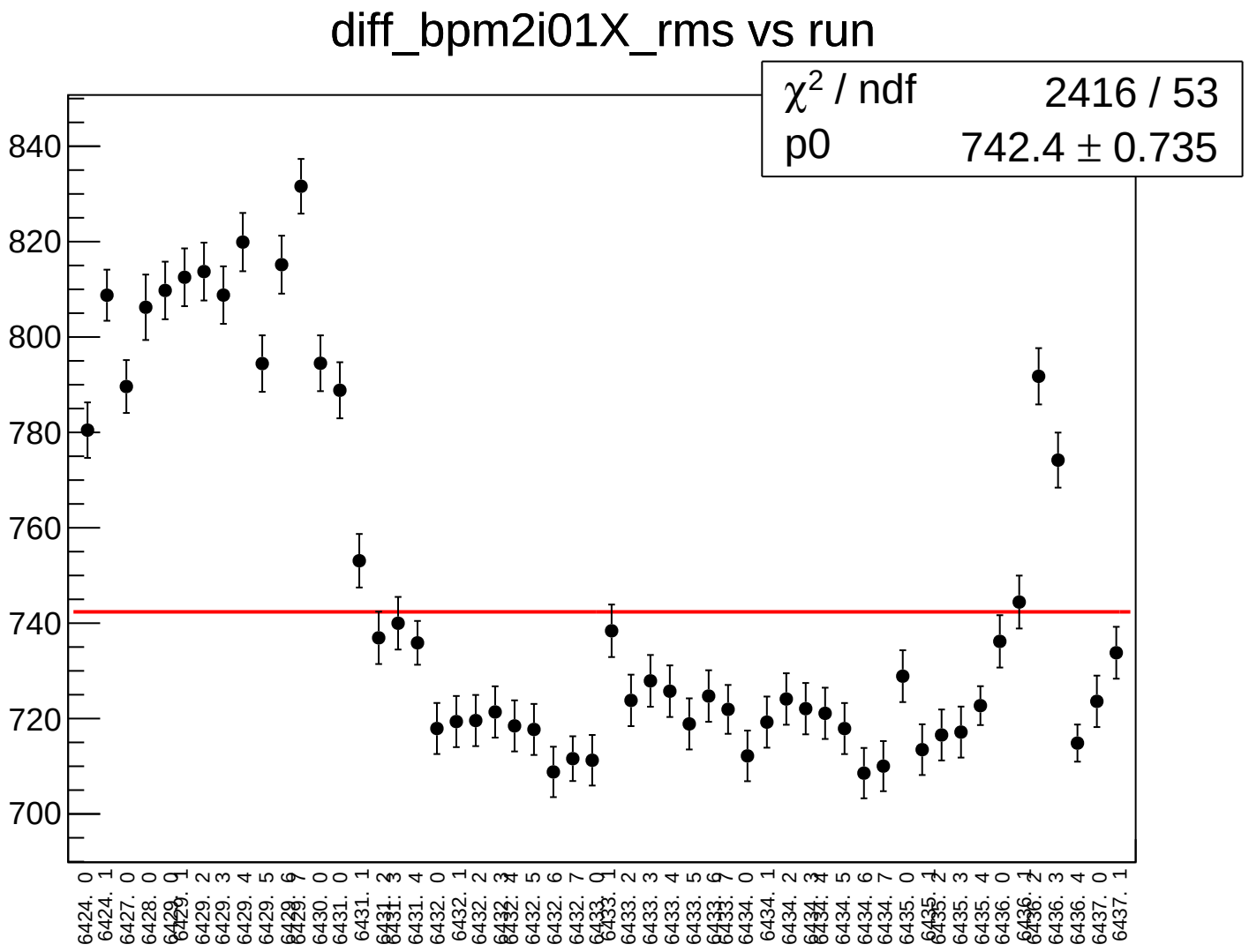

diff_bpm0r05Y_mean vs run
χ² / ndf 50.56 / 53
p0 −17.73 ± 6.673
pull
Entries 54
Mean −542.5
Std Dev 0

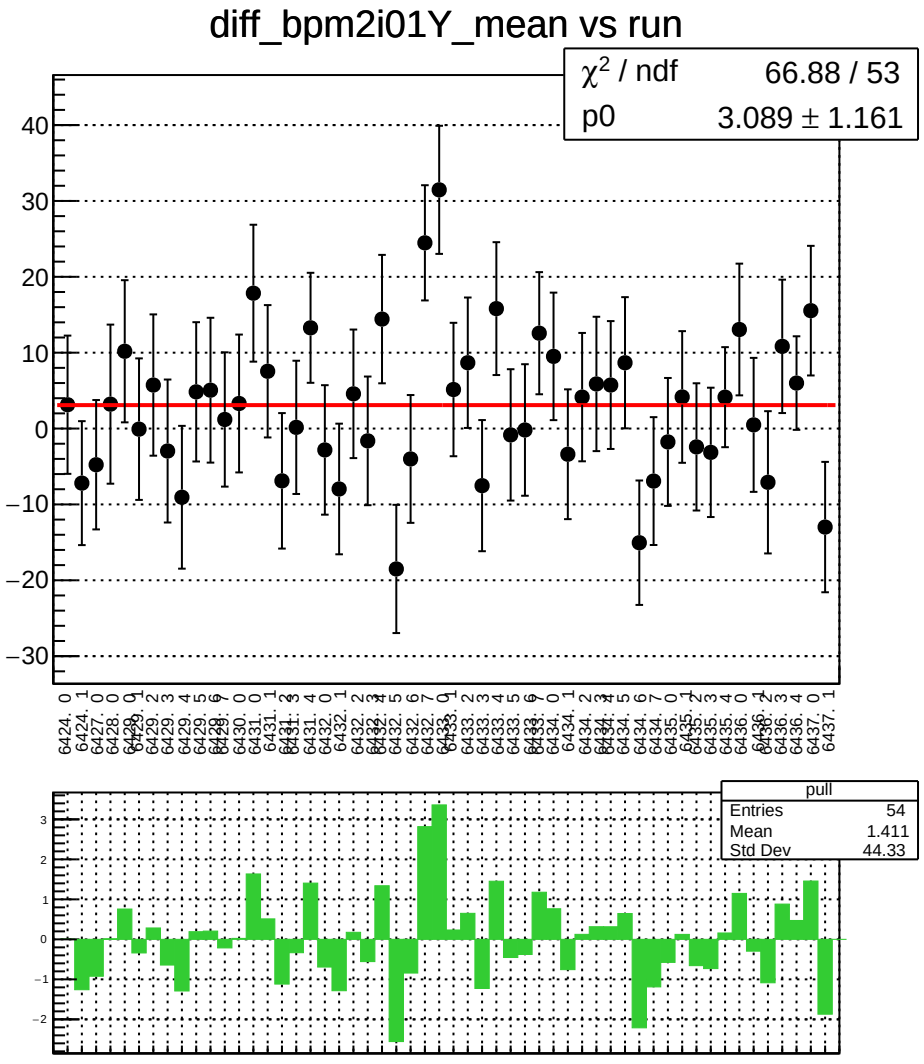

pull1D
Entries 54
Mean −0.008783
Std Dev 0.9676

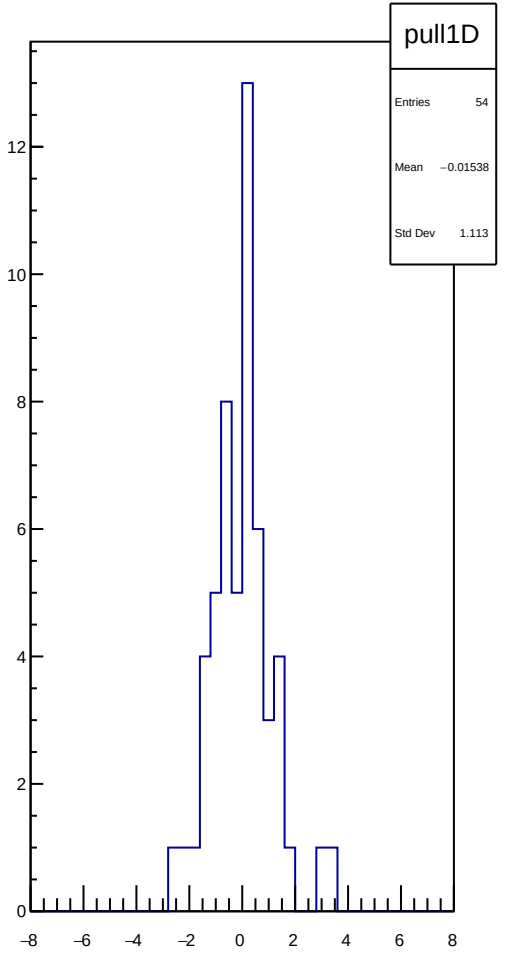

diff_bpm0r05Y_rms vs run
χ² / ndf 2352 / 53
p0 4766 ± 4.719
5800
5600
5400
5200
5000
4800
4600
4400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

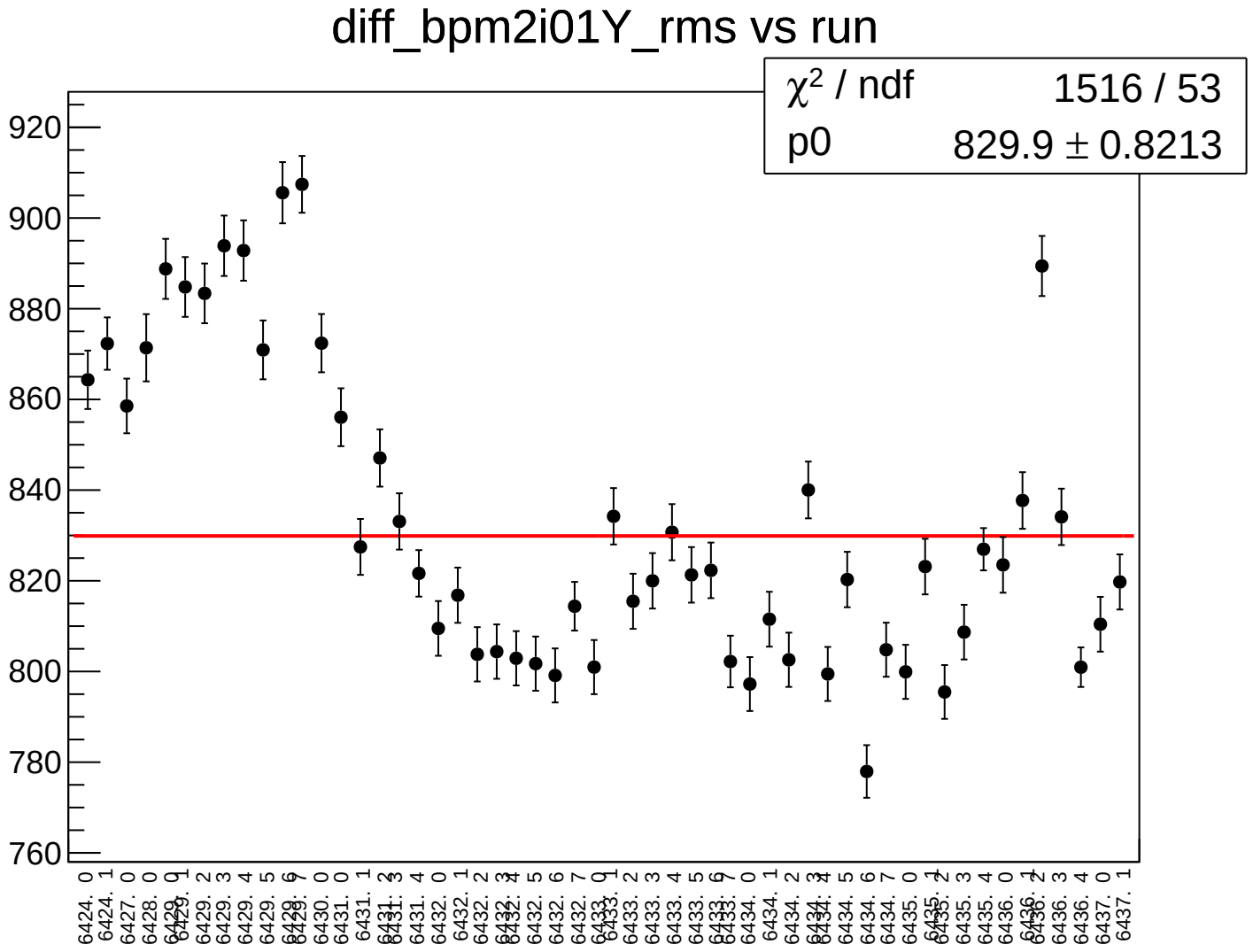

diff_bpm2i01X_mean vs run
χ² / ndf 67.96 / 53
p0 −5.368 ± 1.039
pull
Entries 54
Mean 37.62
Std Dev 41.97

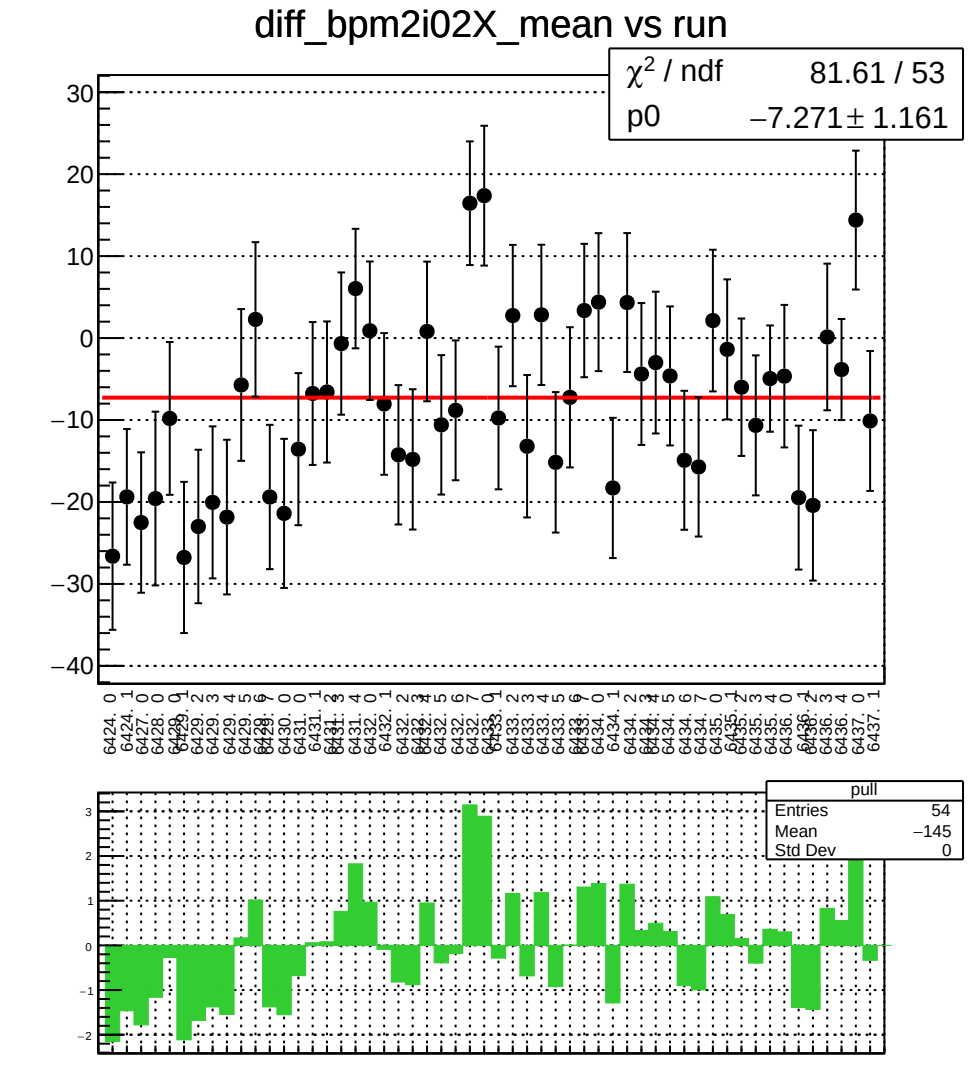

pull1D
Entries 54
Mean −0.02066
Std Dev 1.122

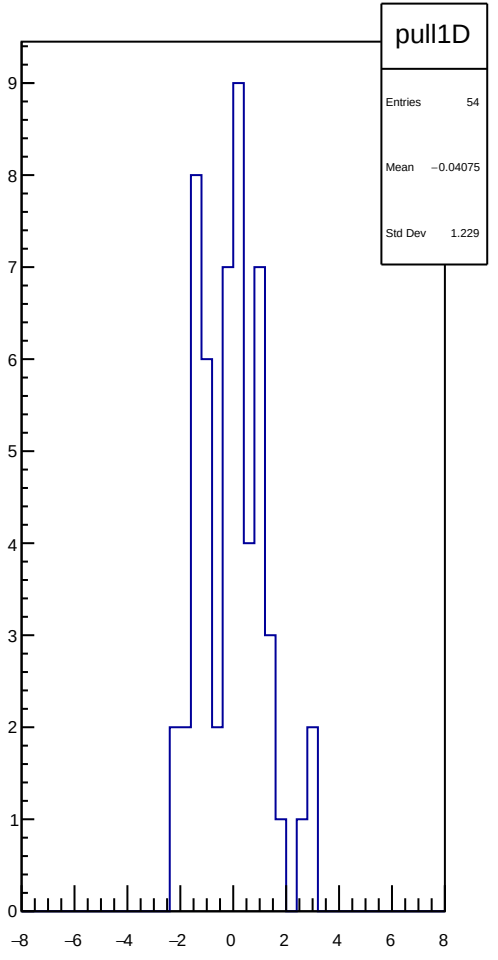

diff_bpm2i01X_rms vs run
χ² / ndf 2416 / 53
p0 742.4 ± 0.735
840
820
800
780
760
740
720
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

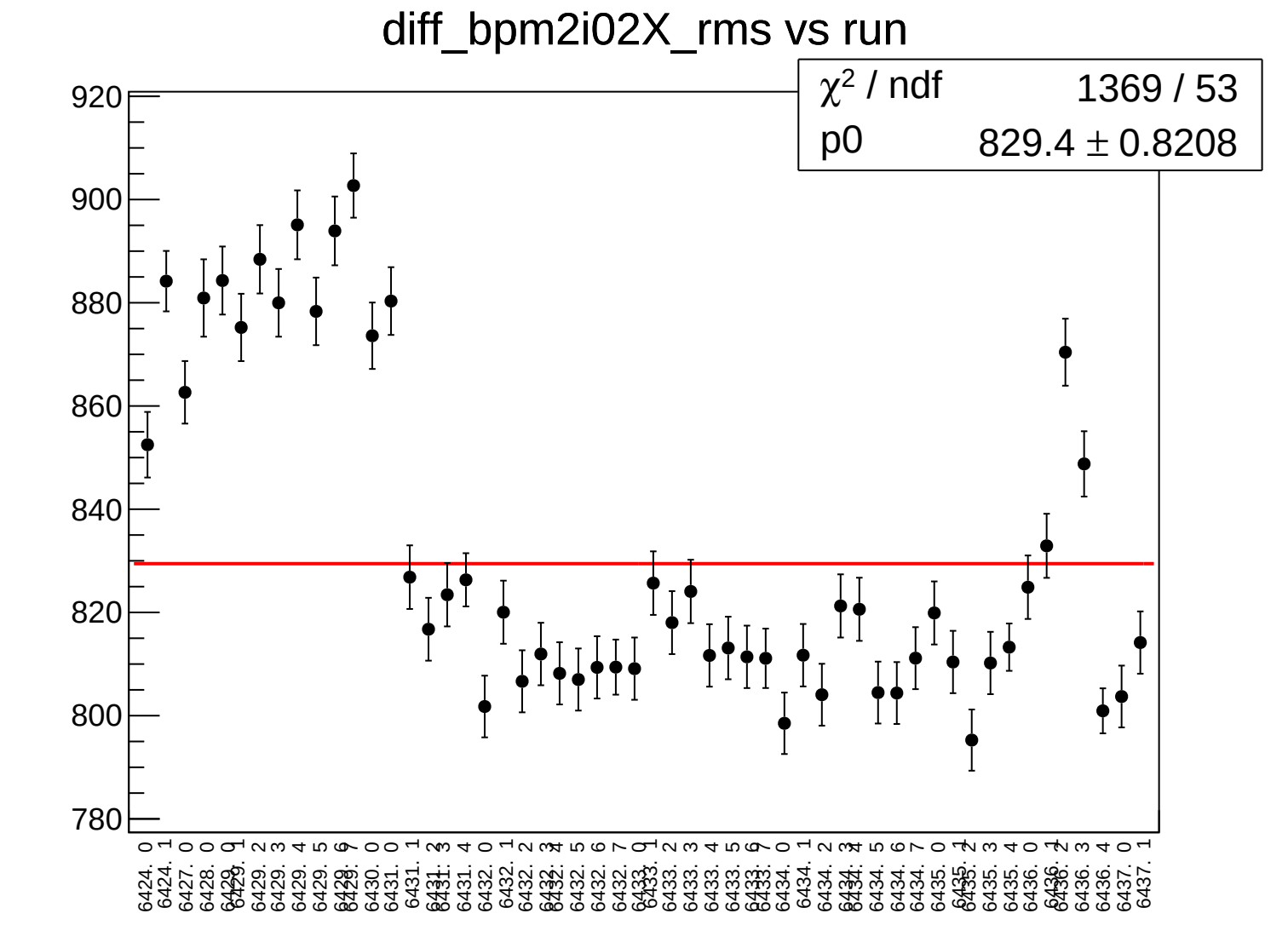

diff_bpm2i01Y_mean vs run
χ² / ndf 66.88 / 53
p0 3.089 ± 1.161
pull
Entries 54
Mean 1.411
Std Dev 44.33

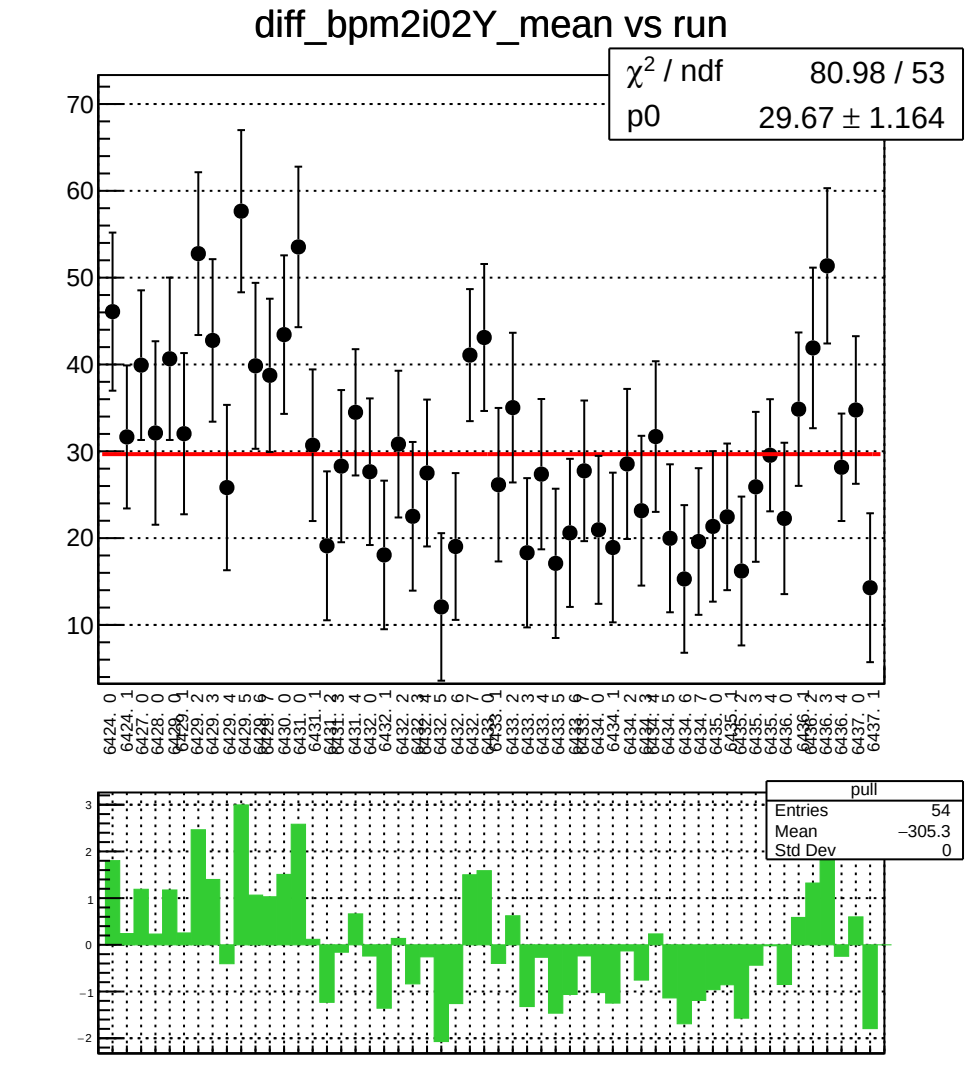

pull1D
Entries 54
Mean −0.01538
Std Dev 1.113

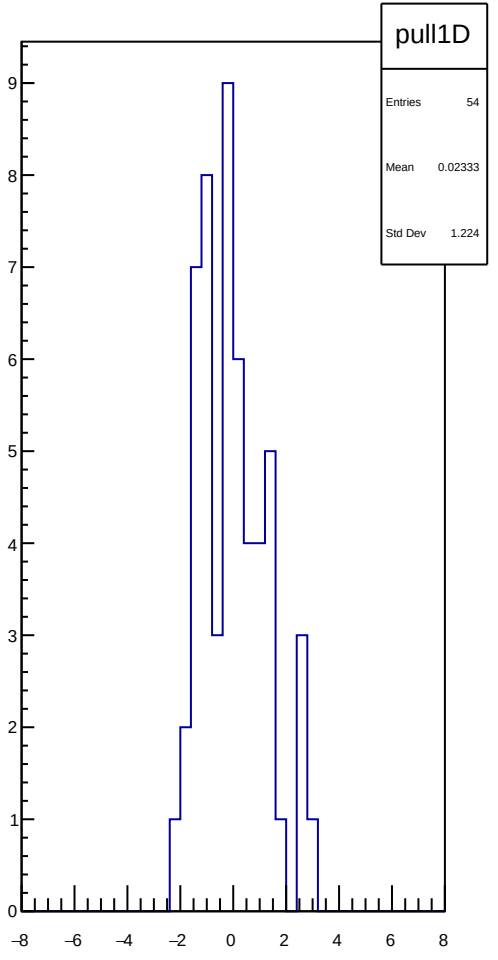

diff_bpm2i01Y_rms vs run
χ² / ndf 1516 / 53
p0 829.9 ± 0.8213
920
900
880
860
840
820
800
780
760
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

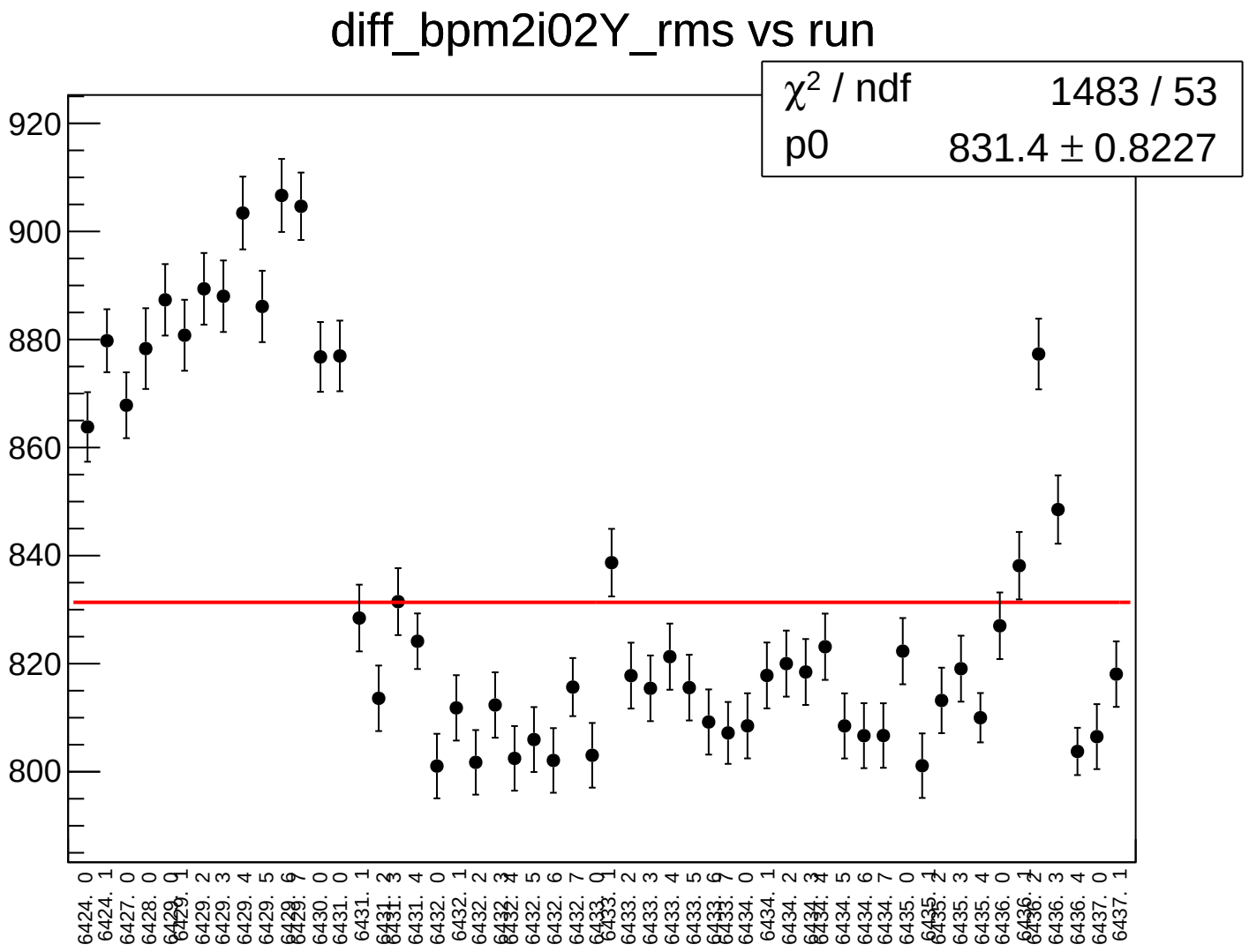

diff_bpm2i02X_mean vs run
χ² / ndf 81.61 / 53
p0 −7.271 ± 1.161
pull
Entries 54
Mean −145
Std Dev 0

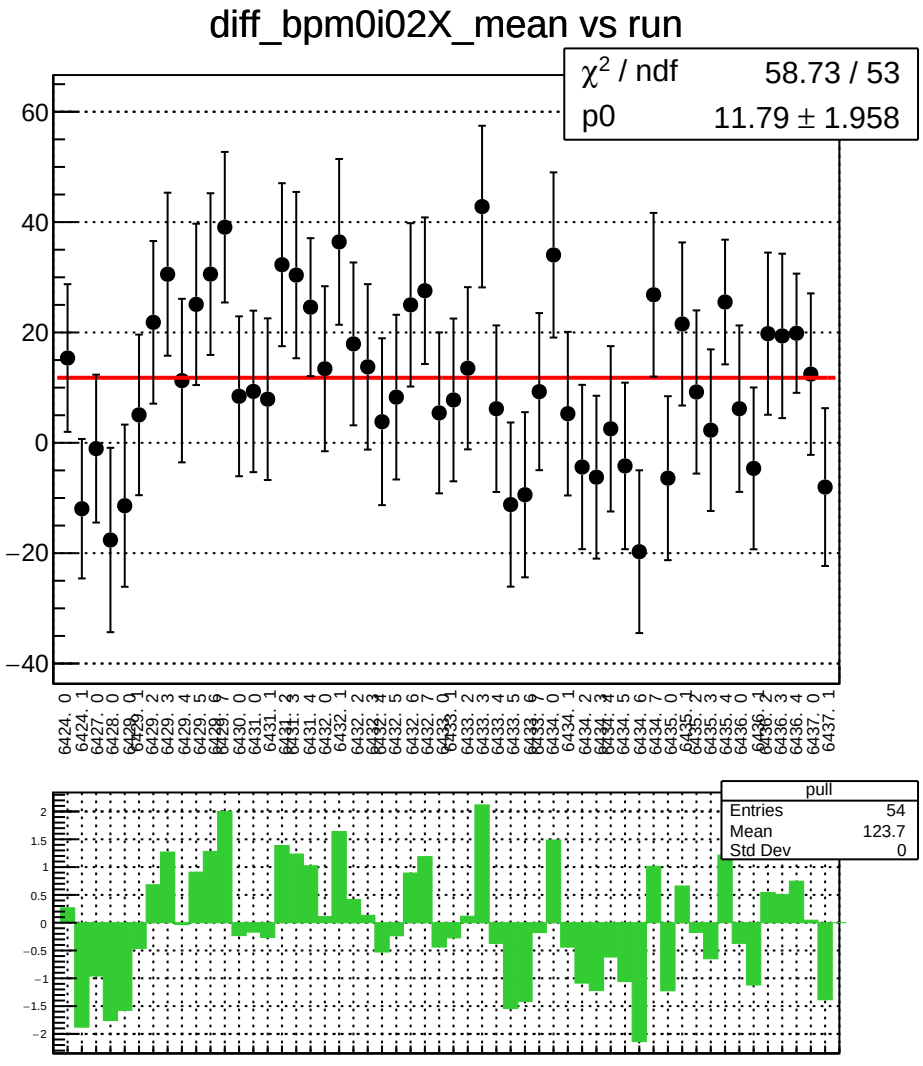

pull1D
Entries 54
Mean −0.04075
Std Dev 1.229

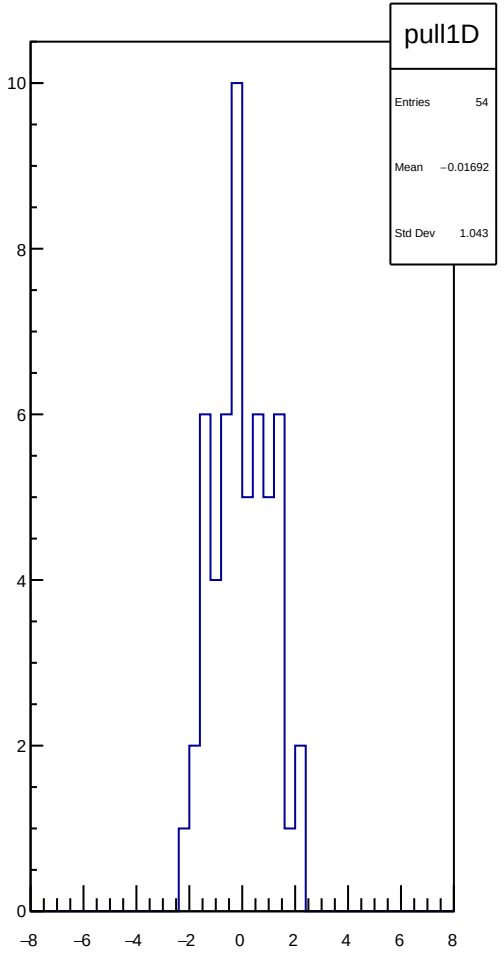

diff_bpm2i02X_rms vs run
χ² / ndf 1369 / 53
p0 829.4 ± 0.8208
920
900
880
860
840
820
800
780
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

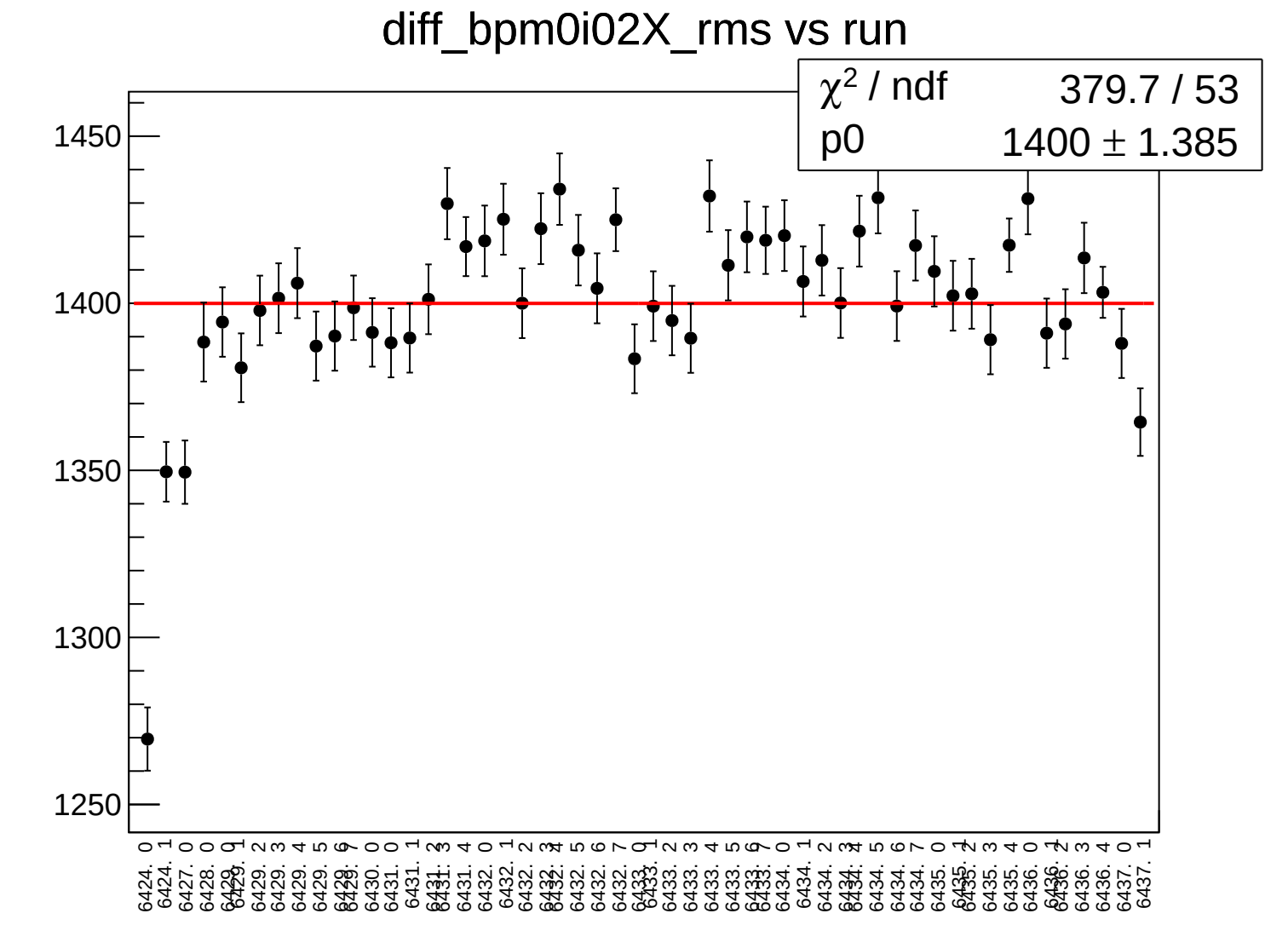

diff_bpm2i02Y_mean vs run
χ² / ndf 80.98 / 53
p0 29.67 ± 1.164
pull
Entries 54
Mean −305.3
Std Dev 0

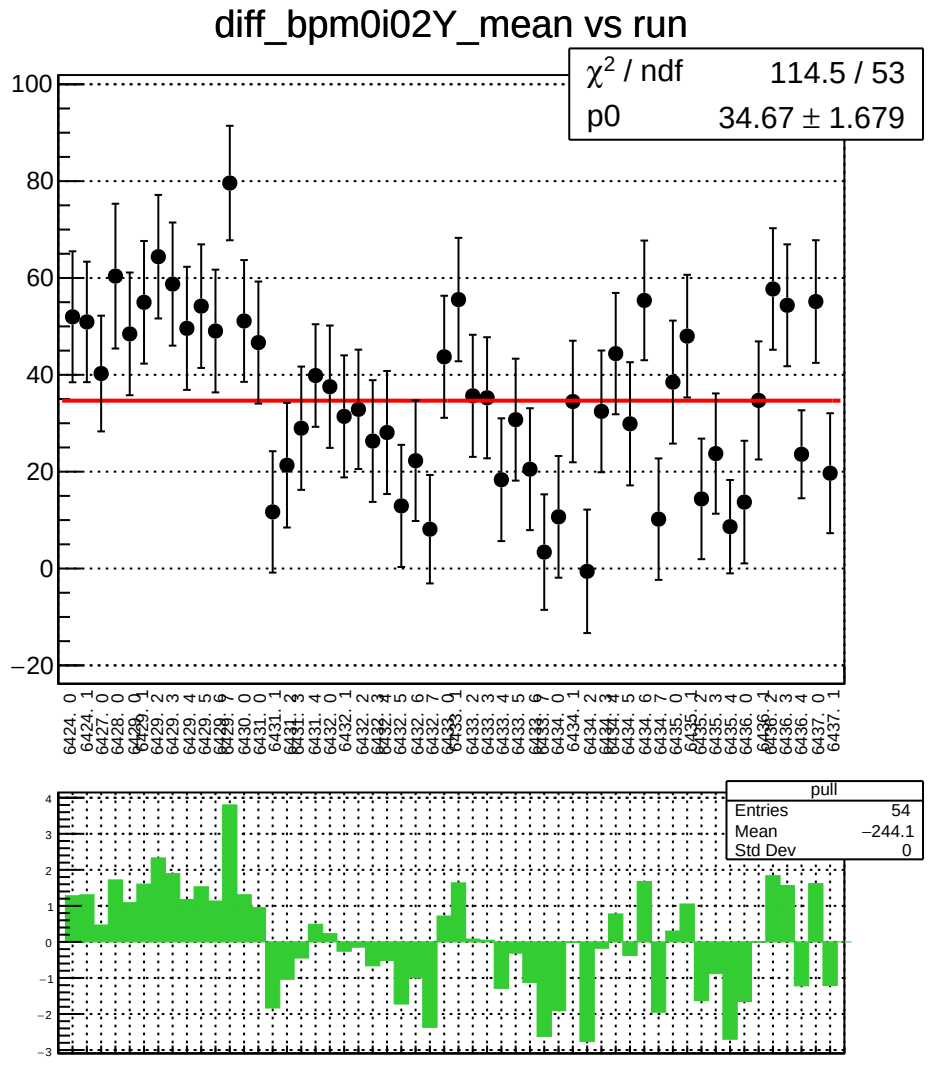

pull1D
Entries 54
Mean 0.02333
Std Dev 1.224

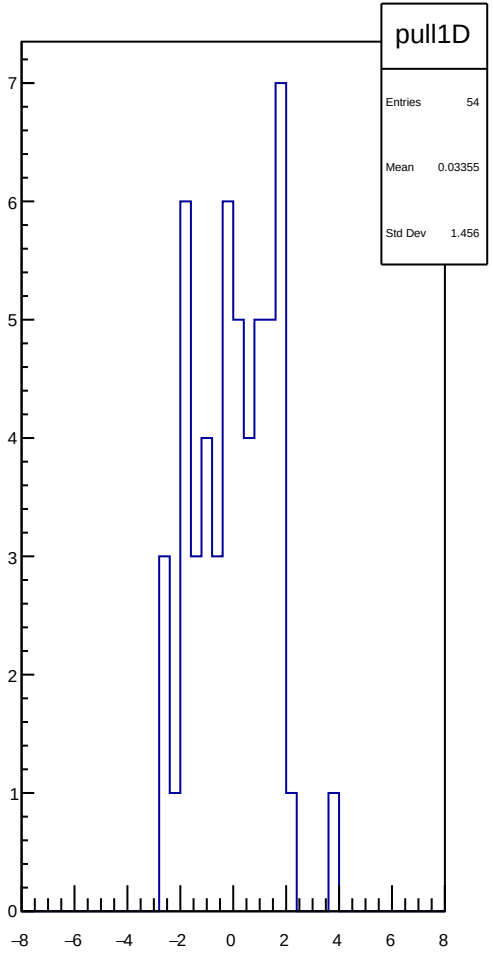

diff_bpm2i02Y_rms vs run
χ² / ndf 1483 / 53
p0 831.4 ± 0.8227
920
900
880
860
840
820
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

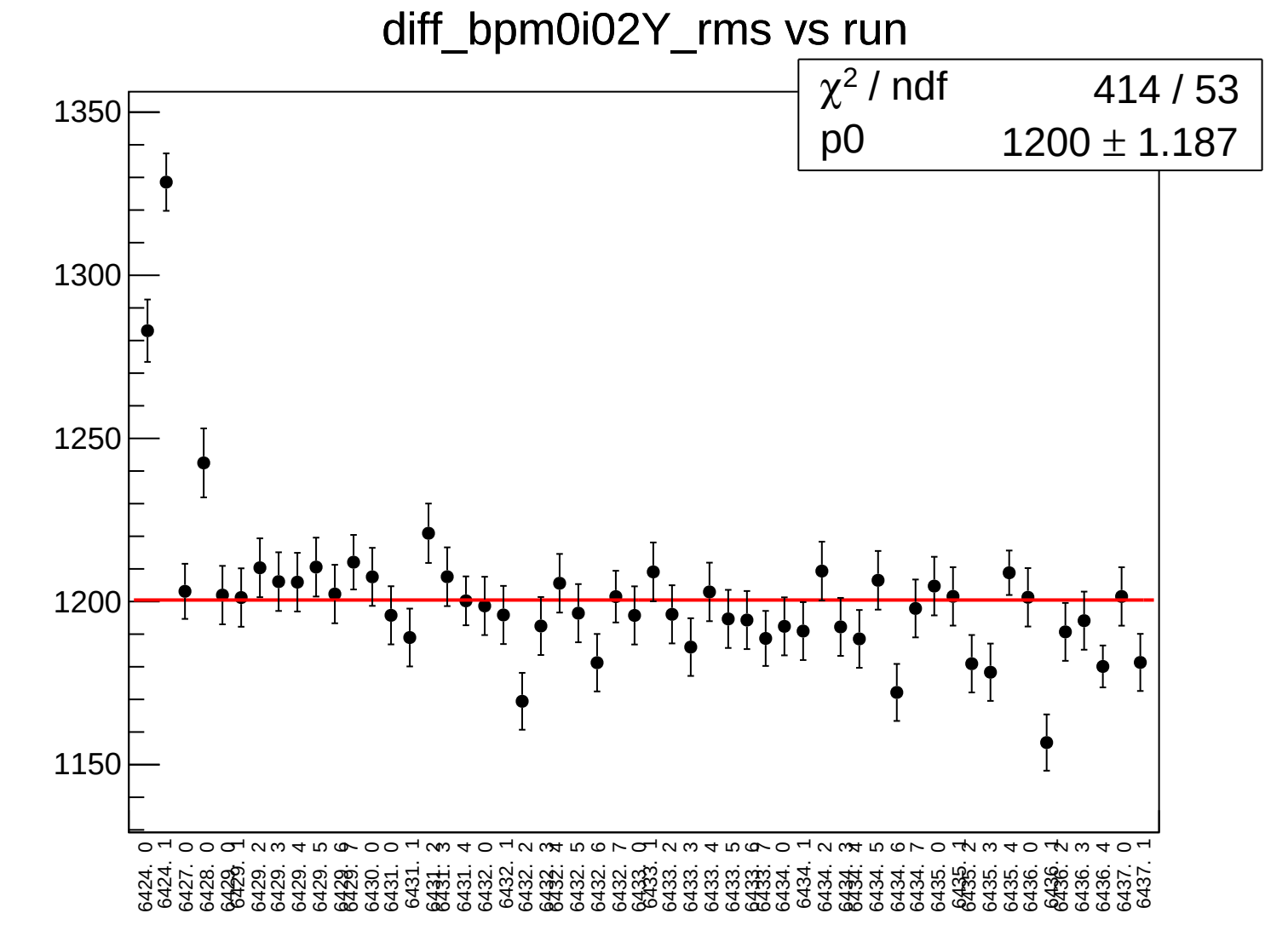

diff_bpm0i02X_mean vs run
χ² / ndf 58.73 / 53
p0 11.79 ± 1.958
pull
Entries 54
Mean 123.7
Std Dev 0

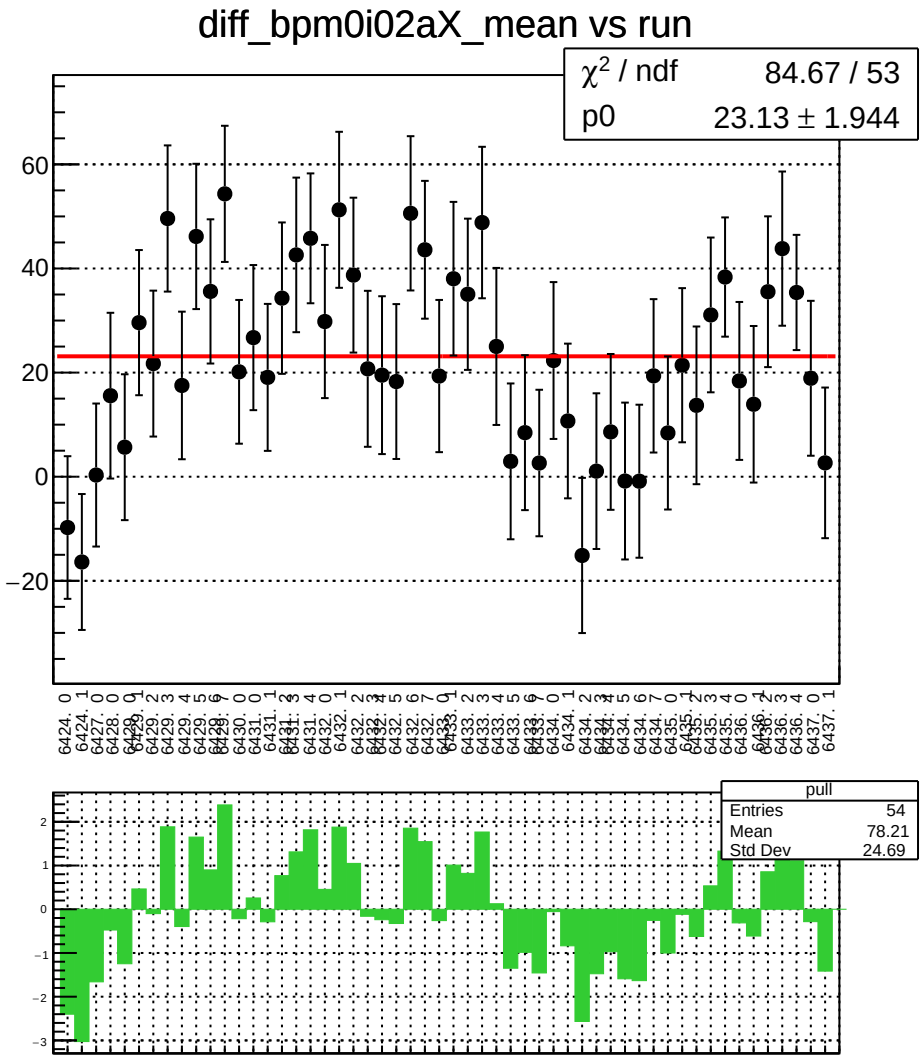

pull1D
Entries 54
Mean −0.01692
Std Dev 1.043

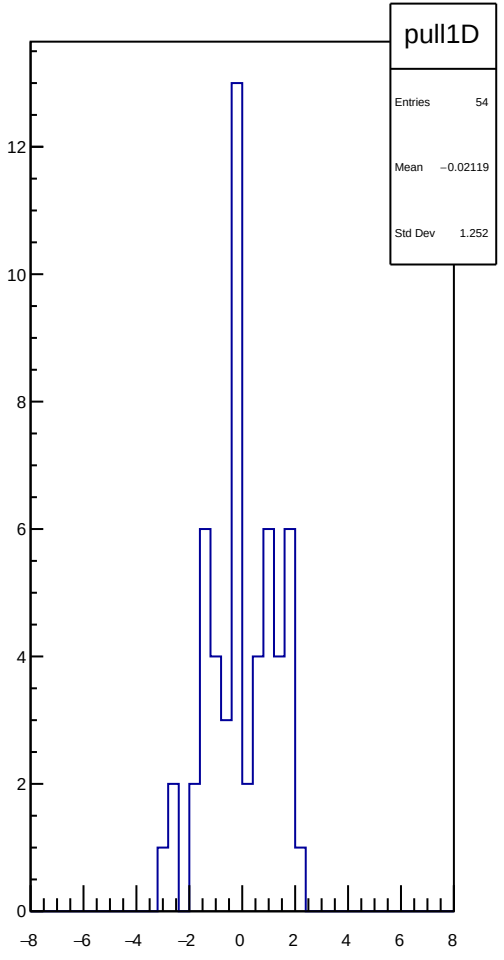

diff_bpm0i02X_rms vs run
χ² / ndf 379.7 / 53
p0 1400 ± 1.385
1450
1400
1350
1300
1250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

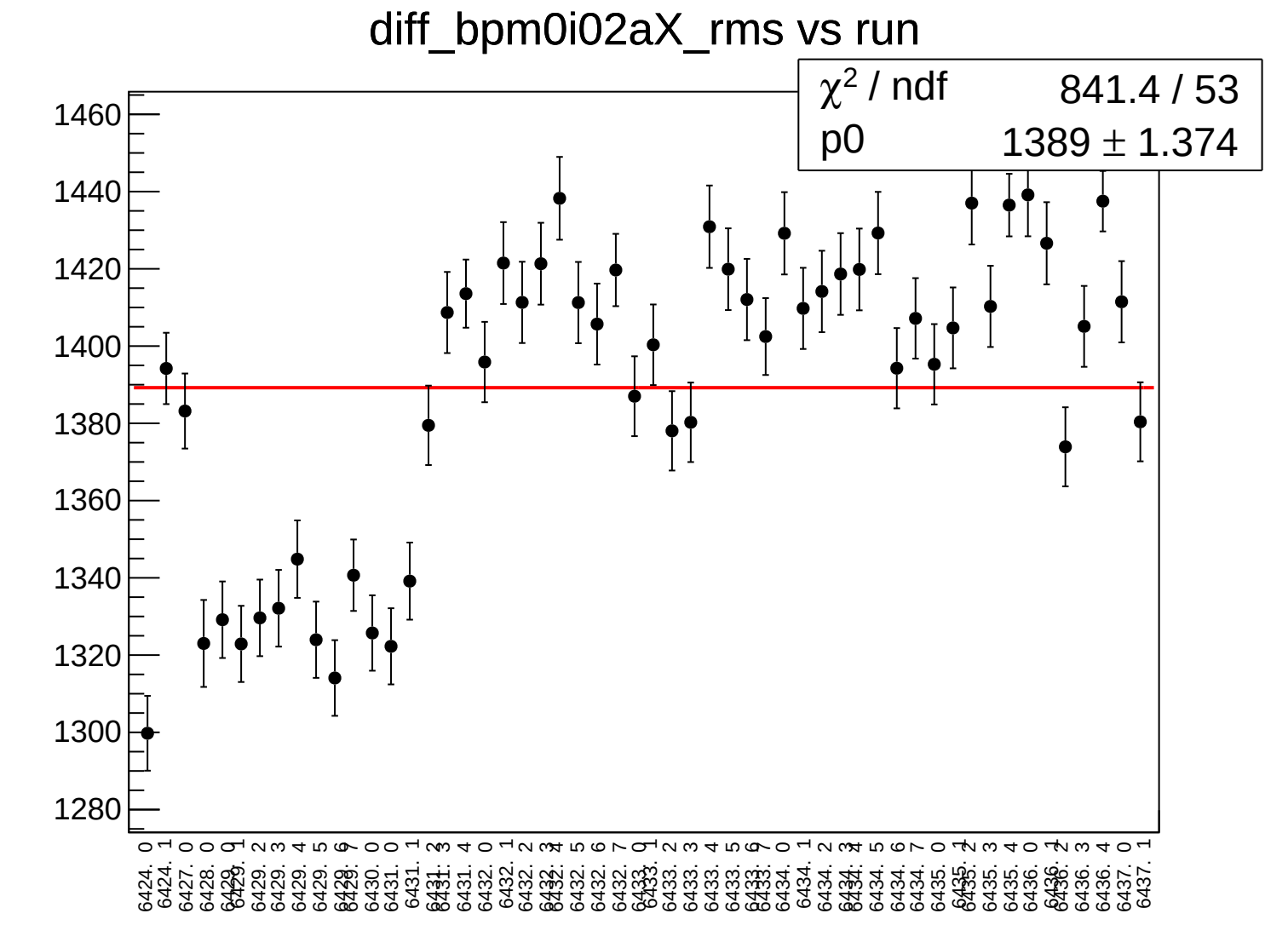

diff_bpm0i02Y_mean vs run
χ² / ndf 114.5 / 53
p0 34.67 ± 1.679
pull
Entries 54
Mean −244.1
Std Dev 0

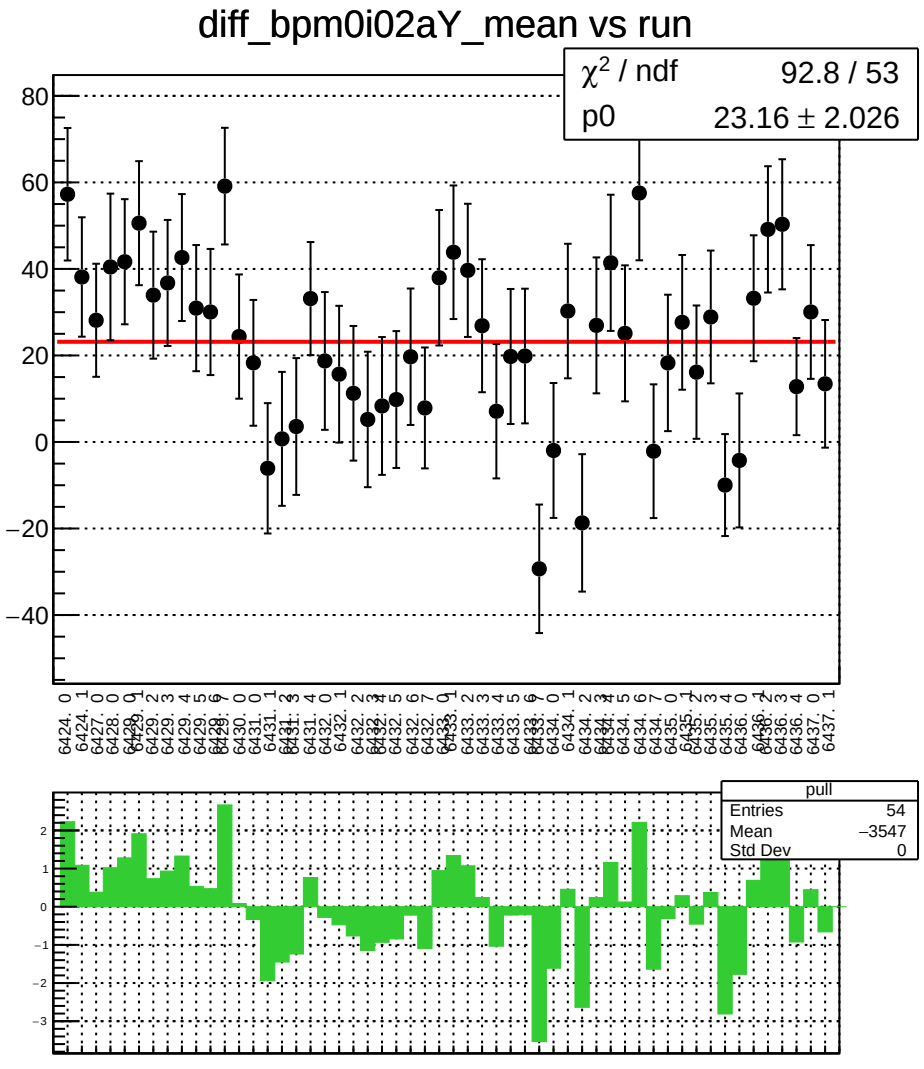

pull1D
Entries 54
Mean 0.03355
Std Dev 1.456

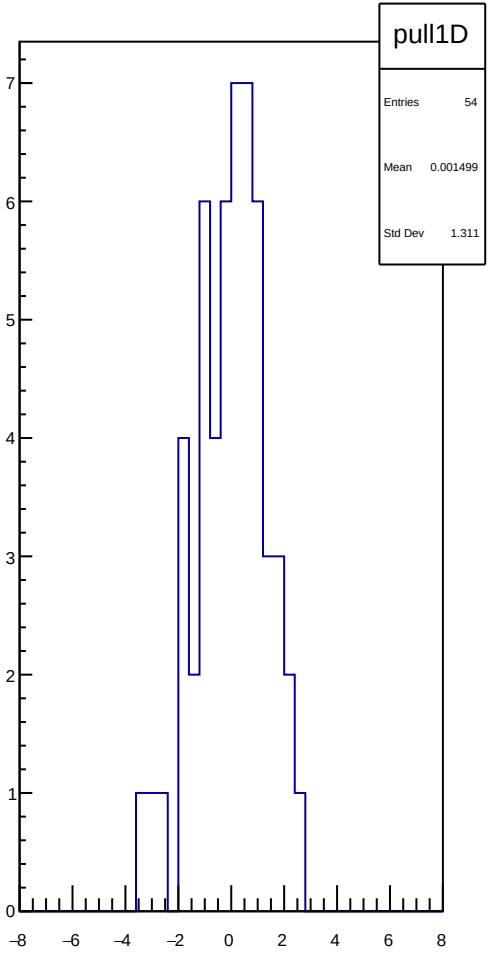

diff_bpm0i02Y_rms vs run
χ² / ndf 414 / 53
p0 1200 ± 1.187
1350
1300
1250
1200
1150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

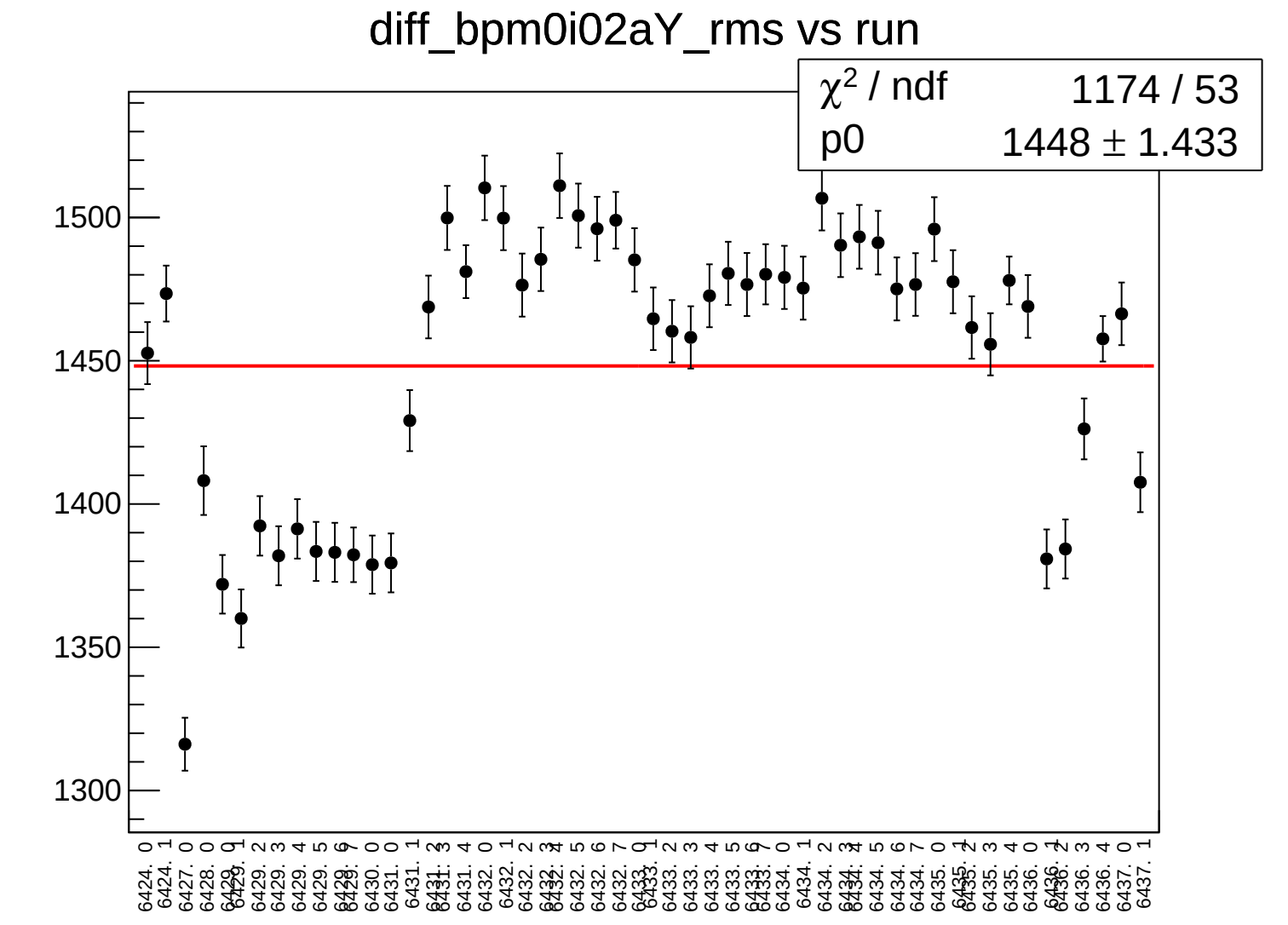

diff_bpm0i02aX_mean vs run
χ² / ndf 84.67 / 53
p0 23.13 ± 1.944
pull
Entries 54
Mean 78.21
Std Dev 24.69

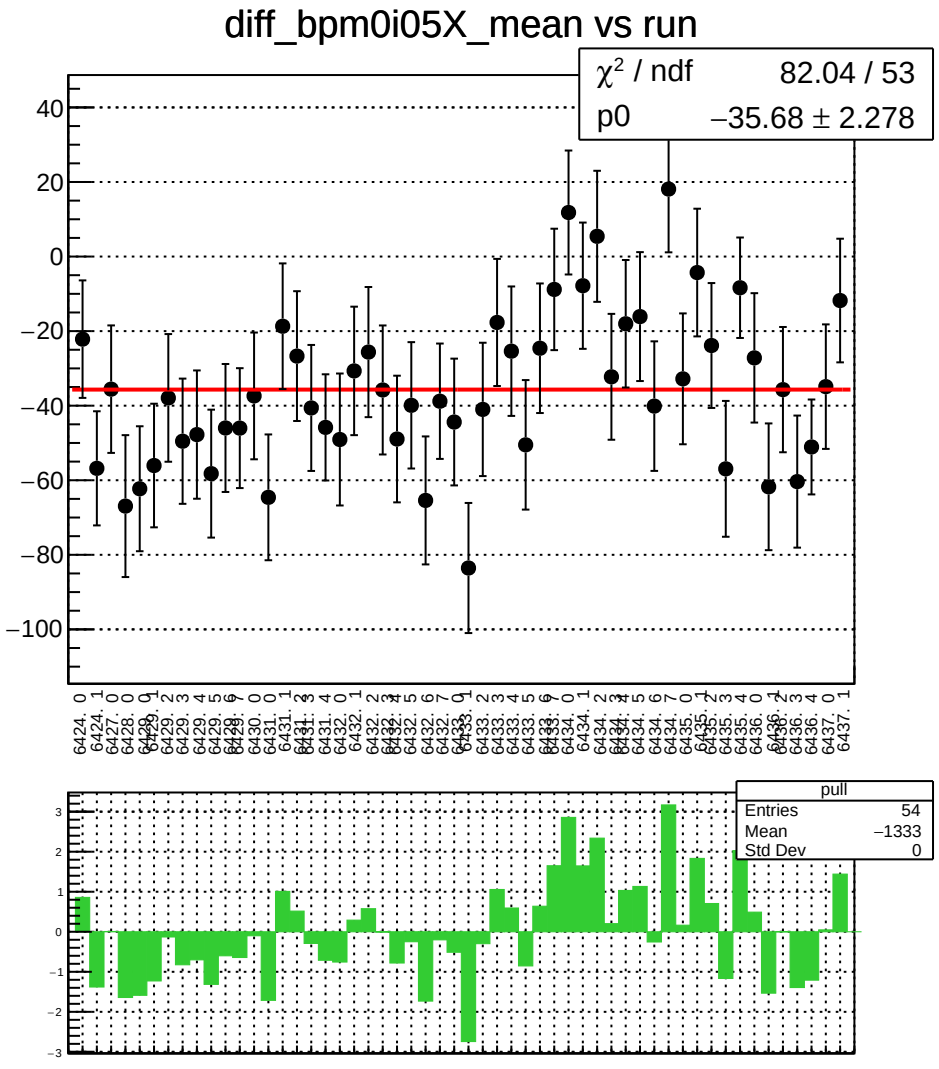

pull1D
Entries 54
Mean −0.02119
Std Dev 1.252

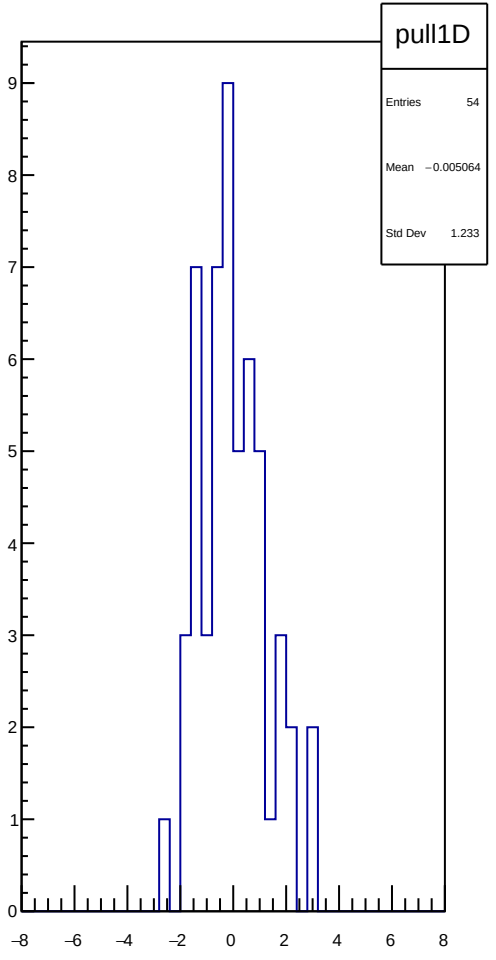

diff_bpm0i02aX_rms vs run
χ² / ndf 841.4 / 53
p0 1389 ± 1.374
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

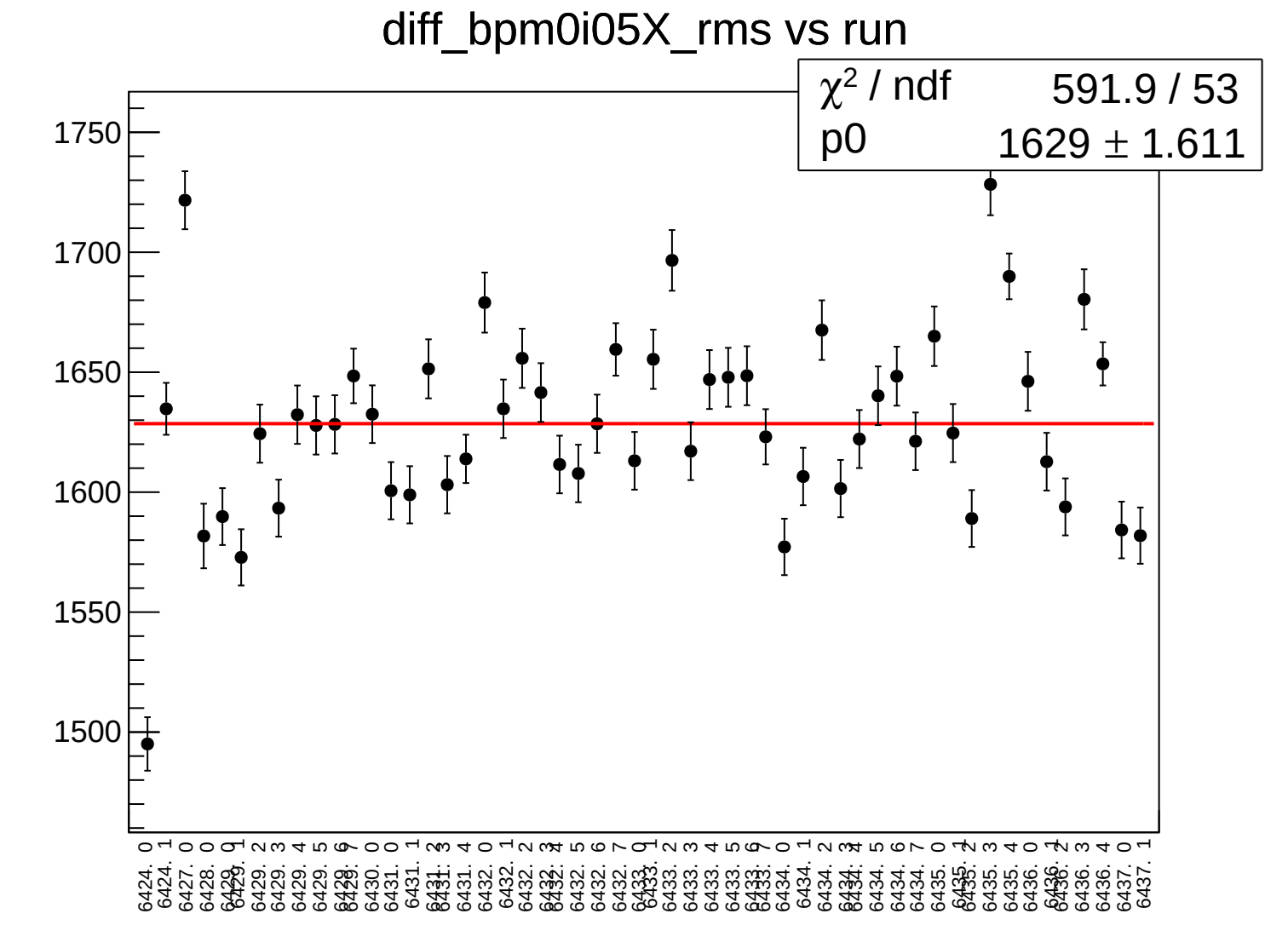

diff_bpm0i02aY_mean vs run
χ² / ndf 92.8 / 53
p0 23.16 ± 2.026
pull
Entries 54
Mean −3547
Std Dev 0

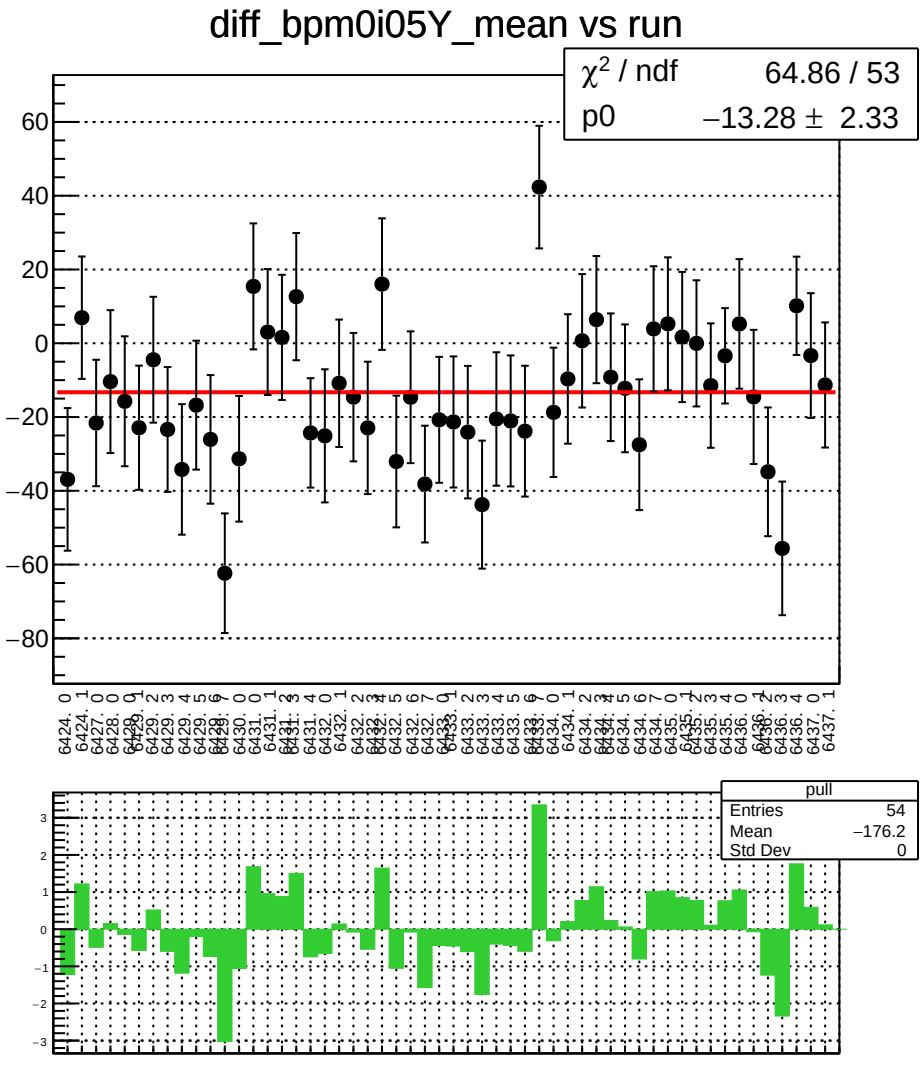

pull1D
Entries 54
Mean 0.001499
Std Dev 1.311

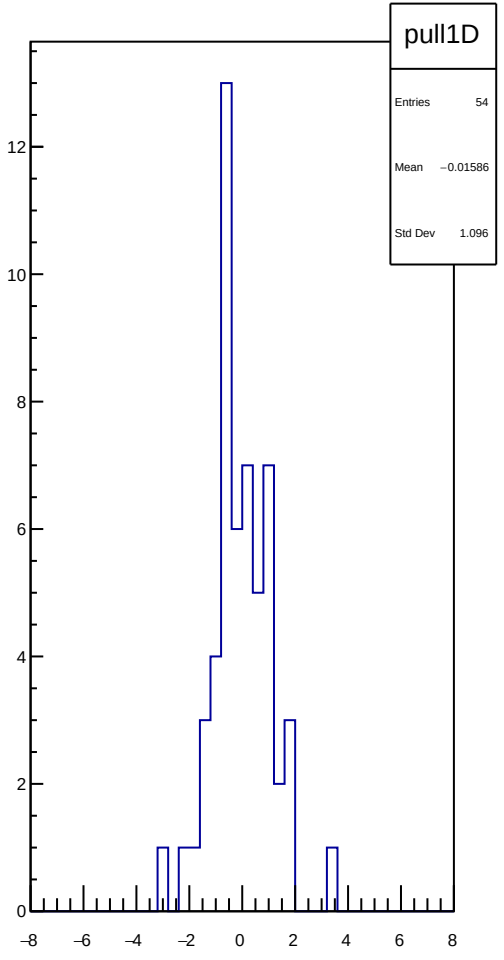

diff_bpm0i02aY_rms vs run
χ² / ndf 1174 / 53
p0 1448 ± 1.433
1500
1450
1400
1350
1300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

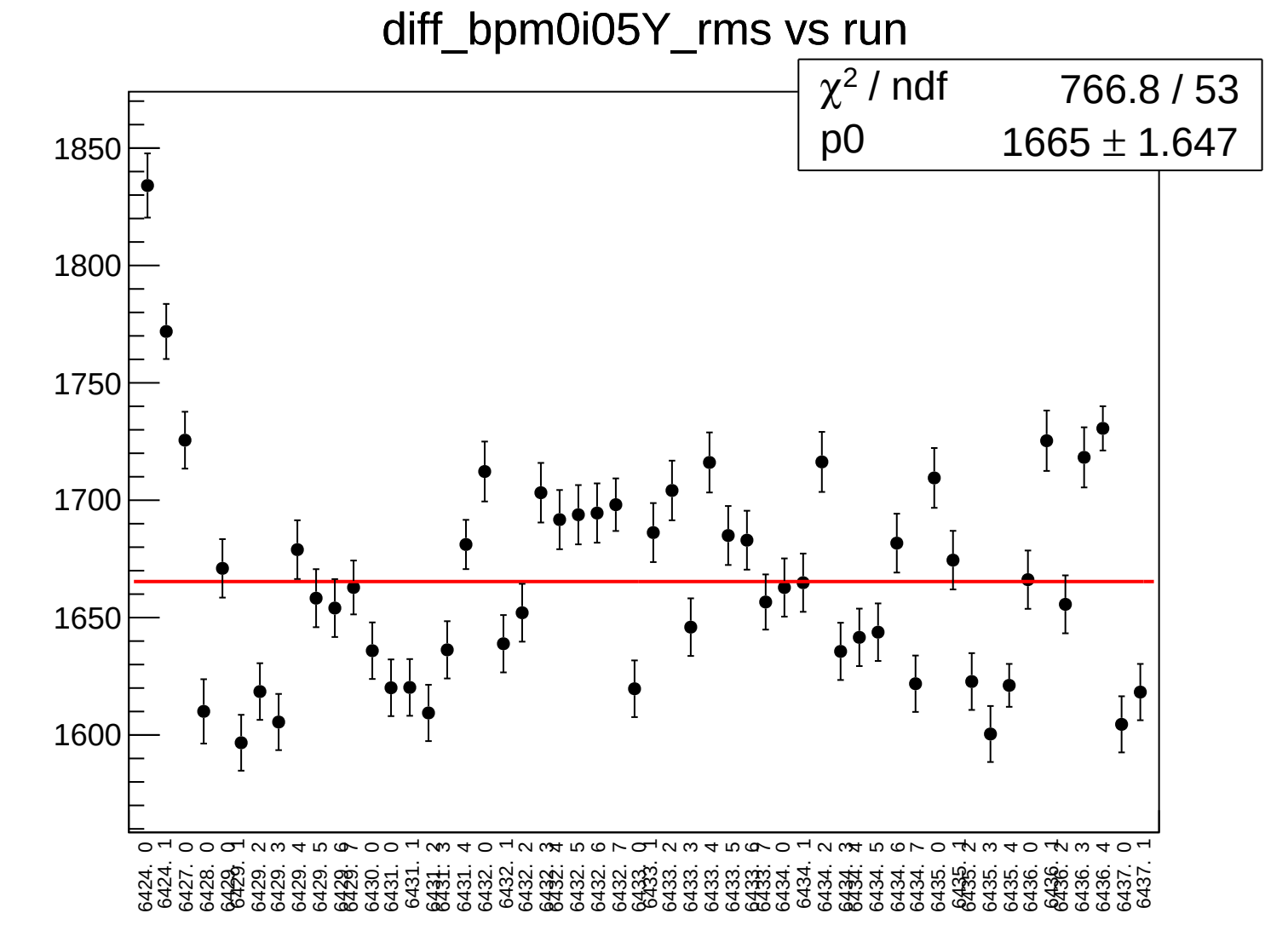

diff_bpm0i05X_mean vs run
χ² / ndf 82.04 / 53
p0 −35.68 ± 2.278
pull
Entries 54
Mean −1333
Std Dev 0

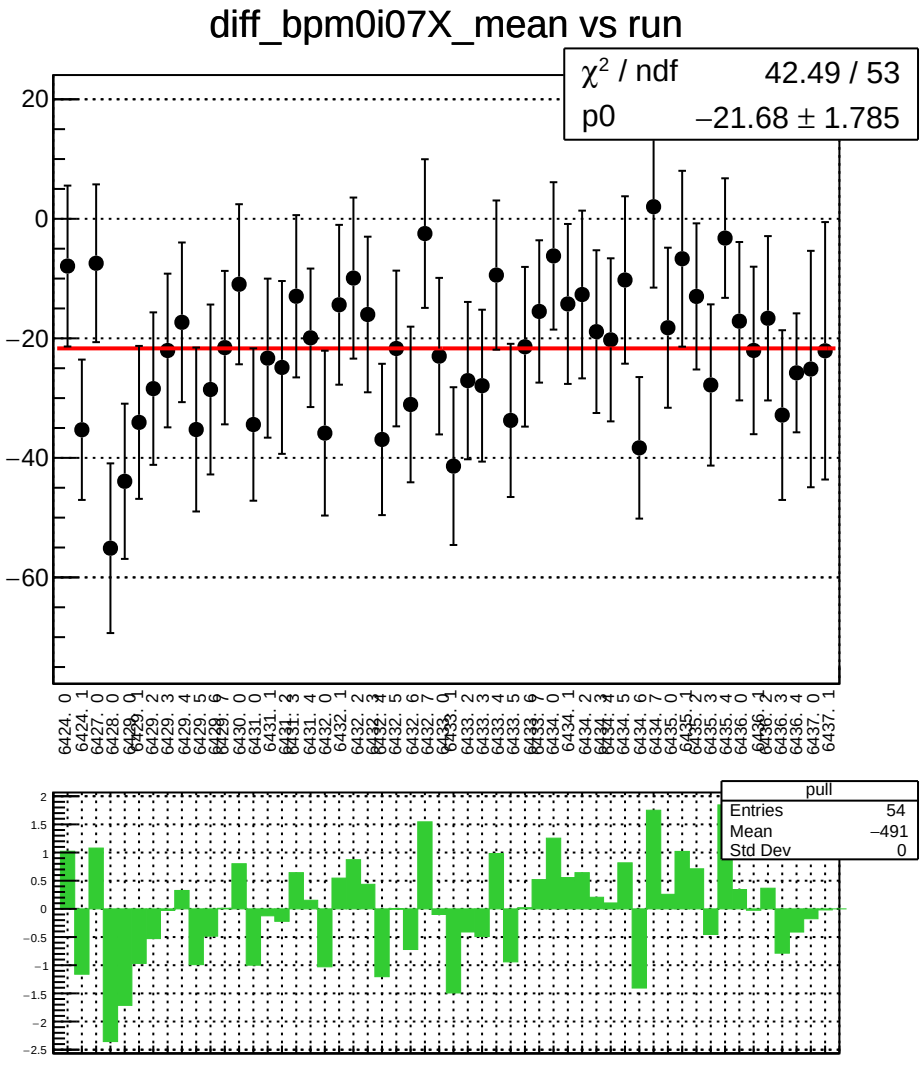

pull1D
Entries 54
Mean −0.005064
Std Dev 1.233

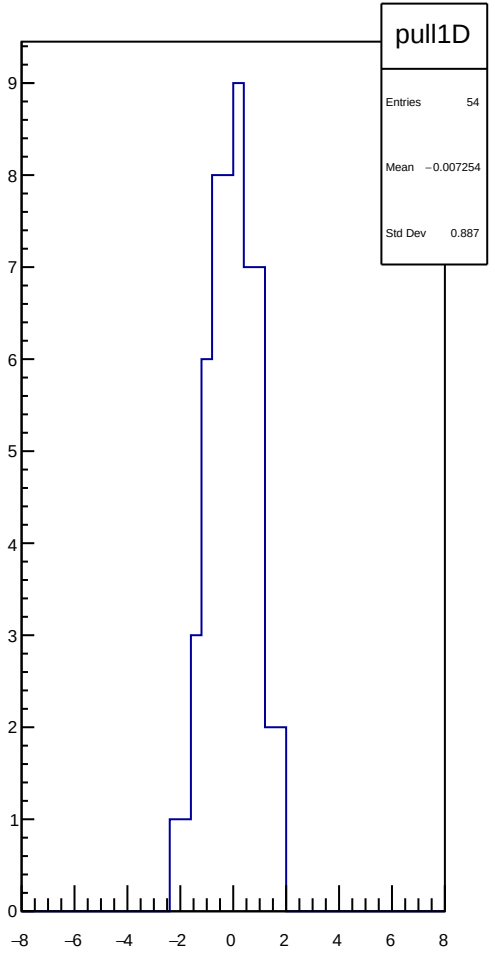

diff_bpm0i05X_rms vs run
χ² / ndf 591.9 / 53
p0 1629 ± 1.611
1750
1700
1650
1600
1550
1500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

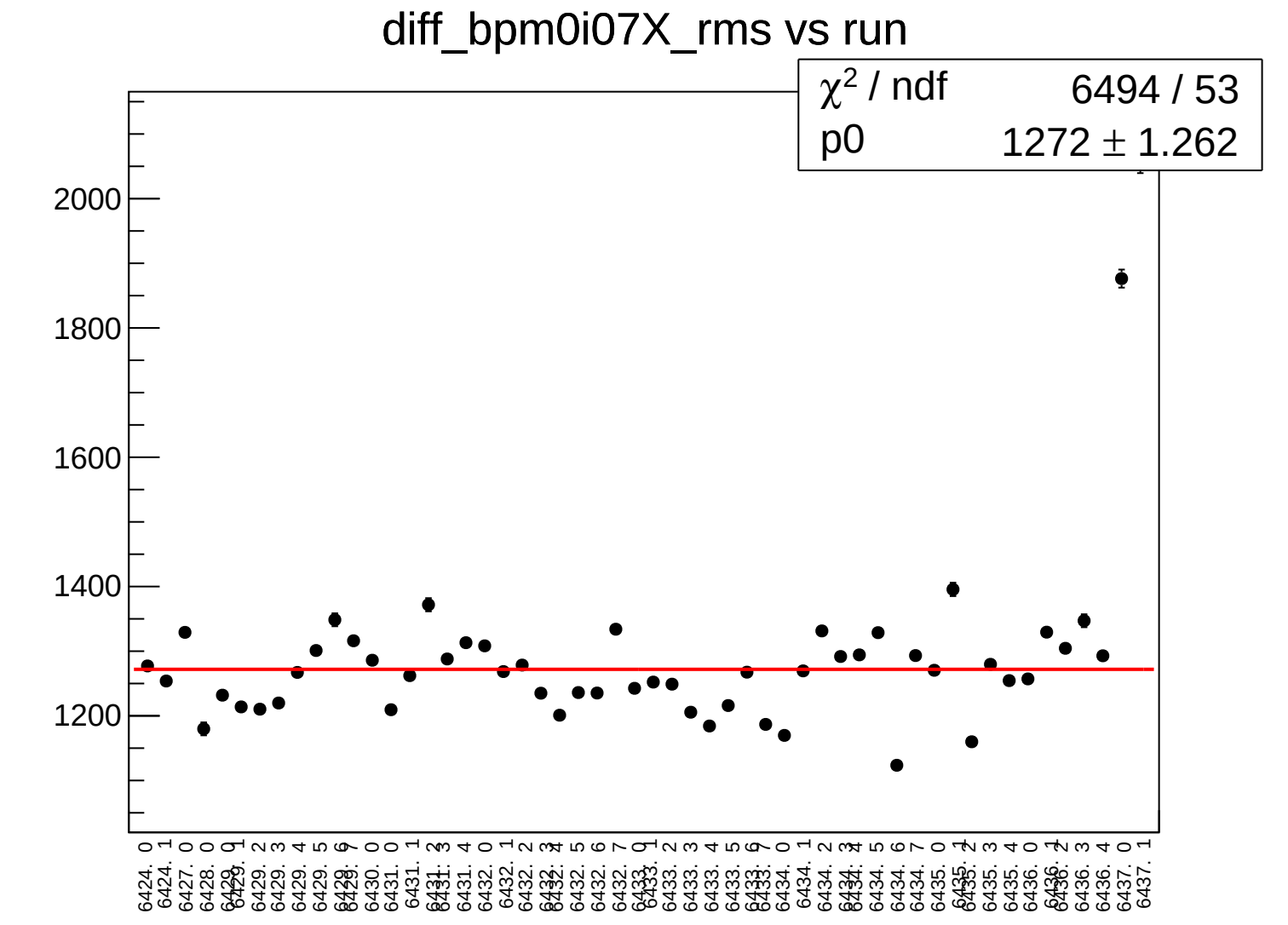

diff_bpm0i05Y_mean vs run
χ² / ndf 64.86 / 53
p0 −13.28 ± 2.33
pull
Entries 54
Mean −176.2
Std Dev 0

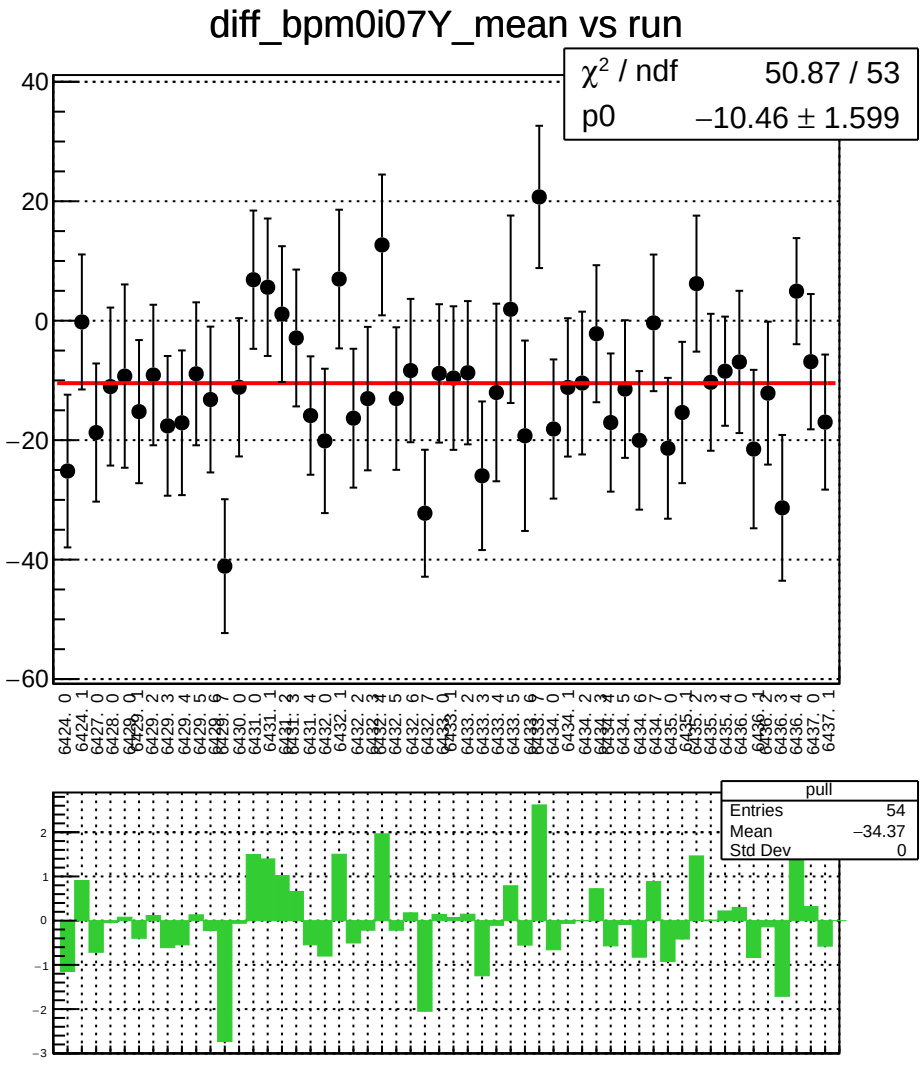

pull1D
Entries 54
Mean −0.01586
Std Dev 1.096

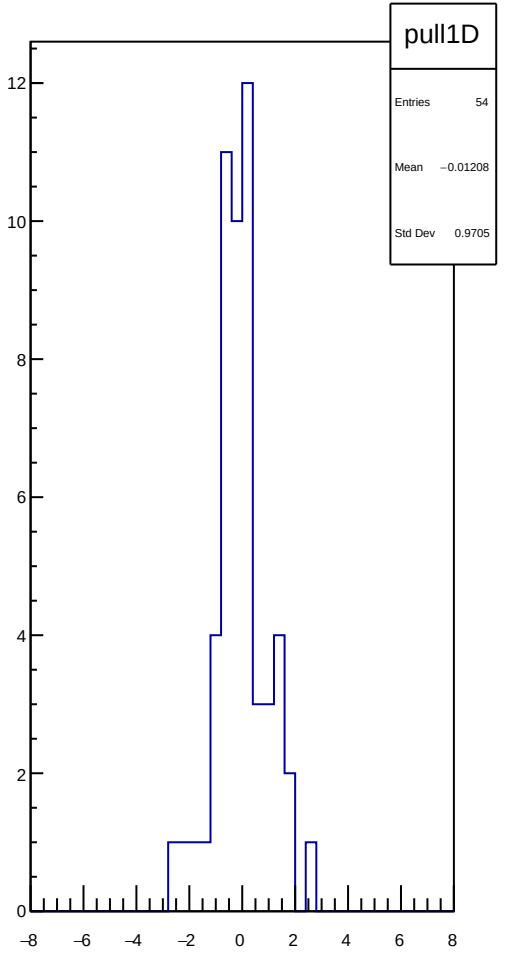

diff_bpm0i05Y_rms vs run
χ² / ndf 766.8 / 53
p0 1665 ± 1.647
1850
1800
1750
1700
1650
1600
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

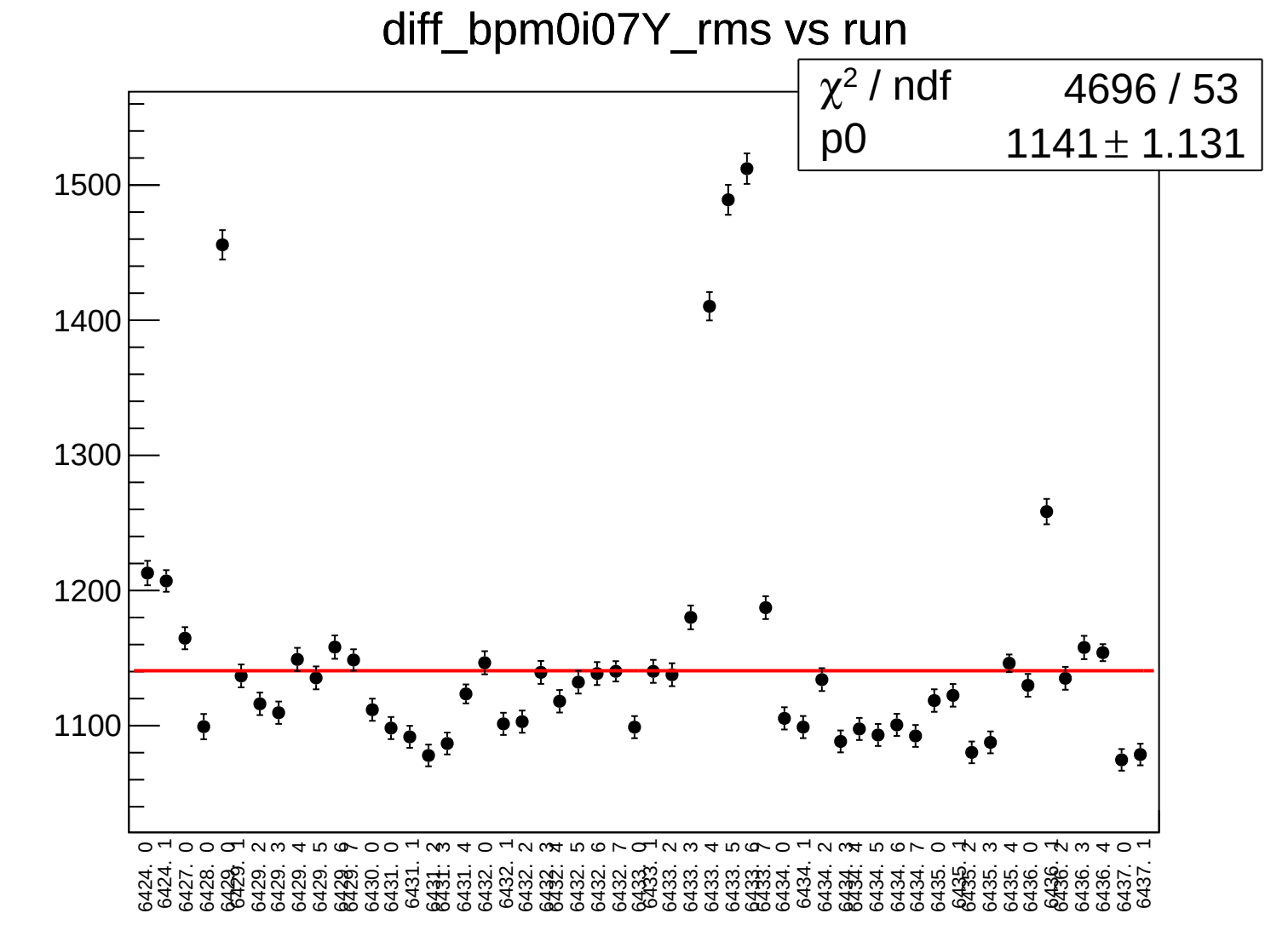

diff_bpm0i07X_mean vs run
χ² / ndf 42.49 / 53
p0 −21.68 ± 1.785
pull
Entries 54
Mean −491
Std Dev 0

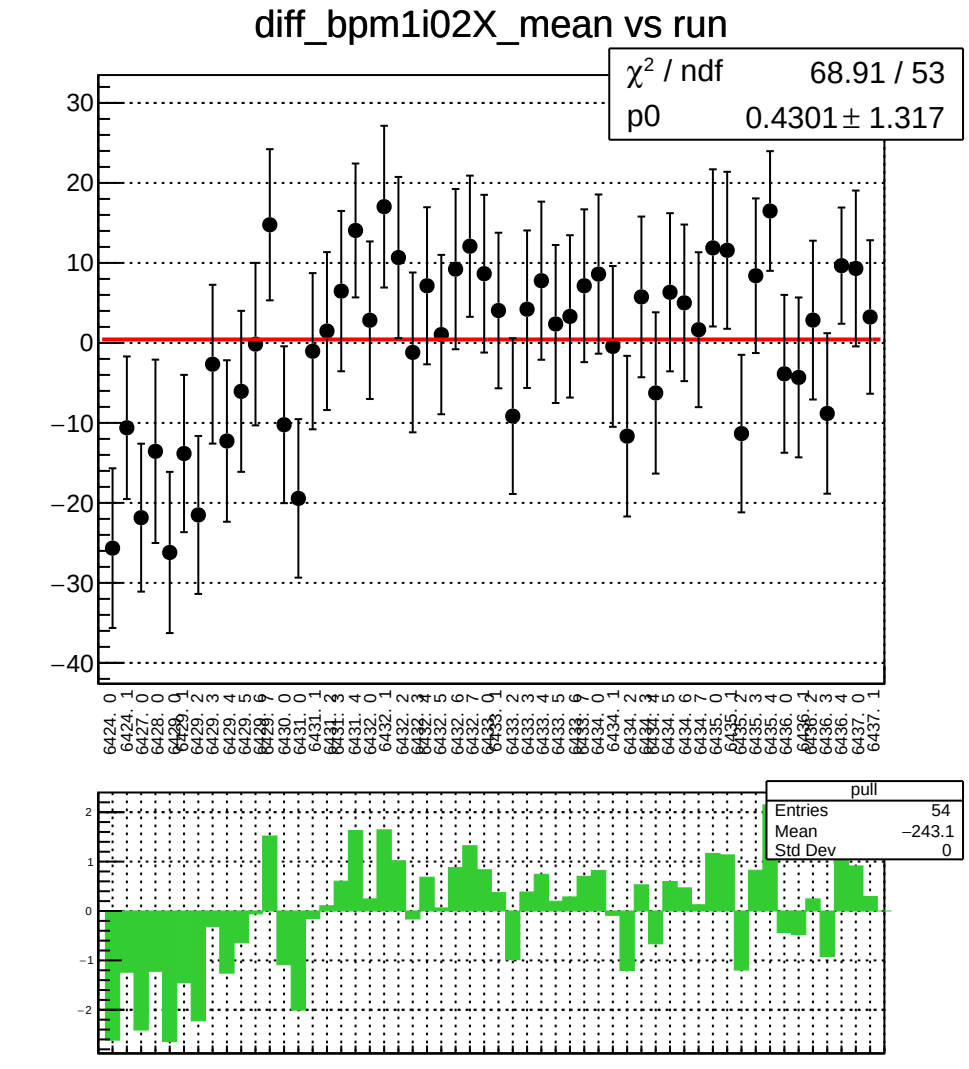

pull1D
Entries 54
Mean −0.007254
Std Dev 0.887

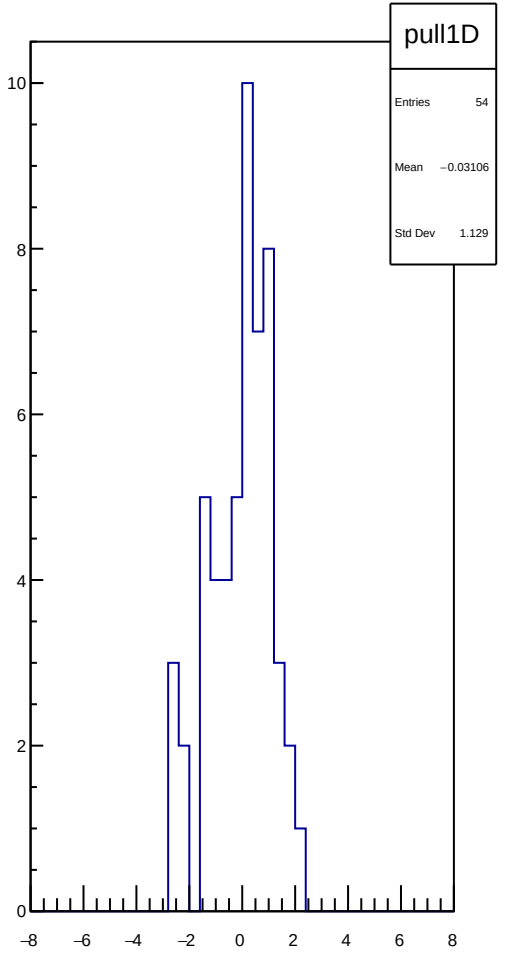

diff_bpm0i07X_rms vs run
χ² / ndf 6494 / 53
p0 1272 ± 1.262
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

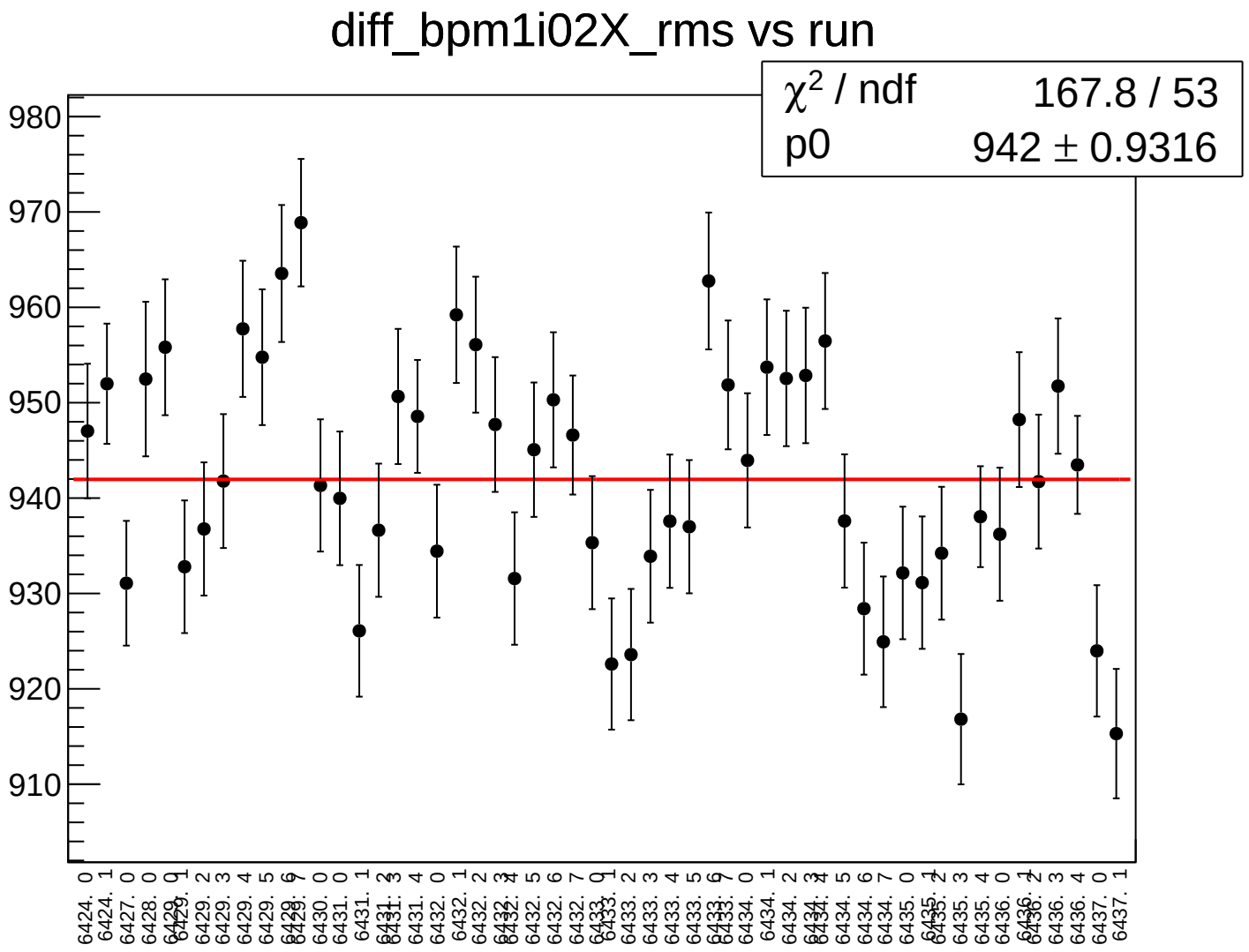

diff_bpm0i07Y_mean vs run
χ² / ndf 50.87 / 53
p0 −10.46 ± 1.599
pull
Entries 54
Mean −34.37
Std Dev 0

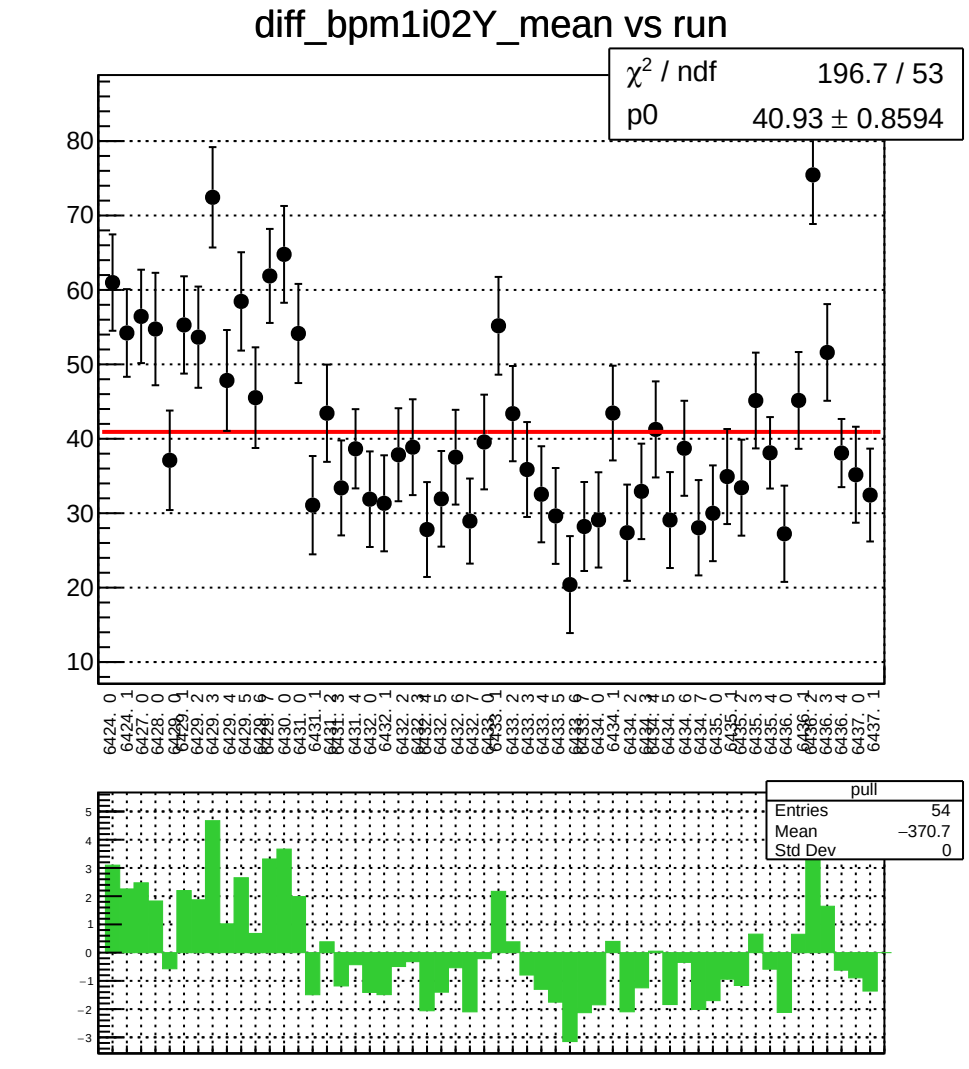

pull1D
Entries 54
Mean −0.01208
Std Dev 0.9705

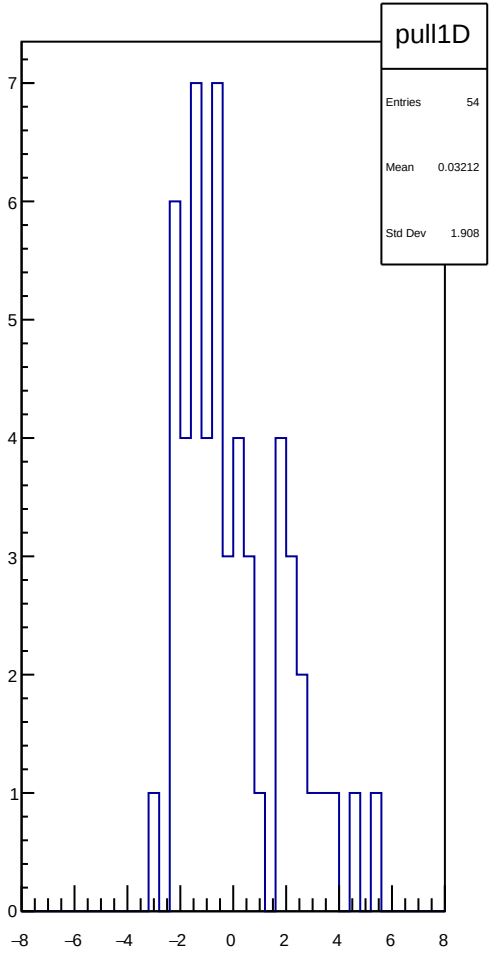

diff_bpm0i07Y_rms vs run
χ² / ndf 4696 / 53
p0 1141 ± 1.131
1500
1400
1300
1200
1100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

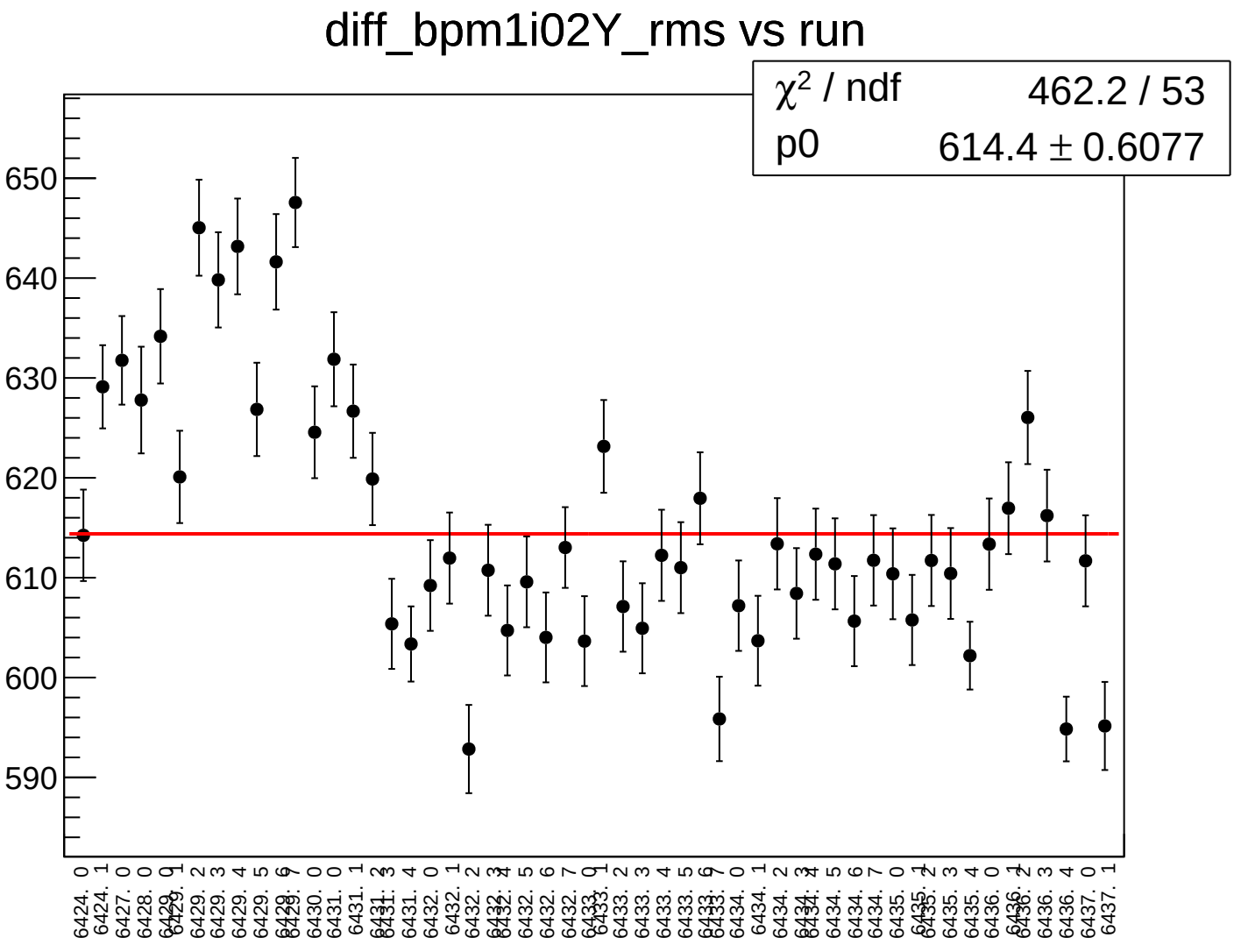

diff_bpm1i02X_mean vs run
χ² / ndf 68.91 / 53
p0 0.4301 ± 1.317
pull
Entries 54
Mean −243.1
Std Dev 0

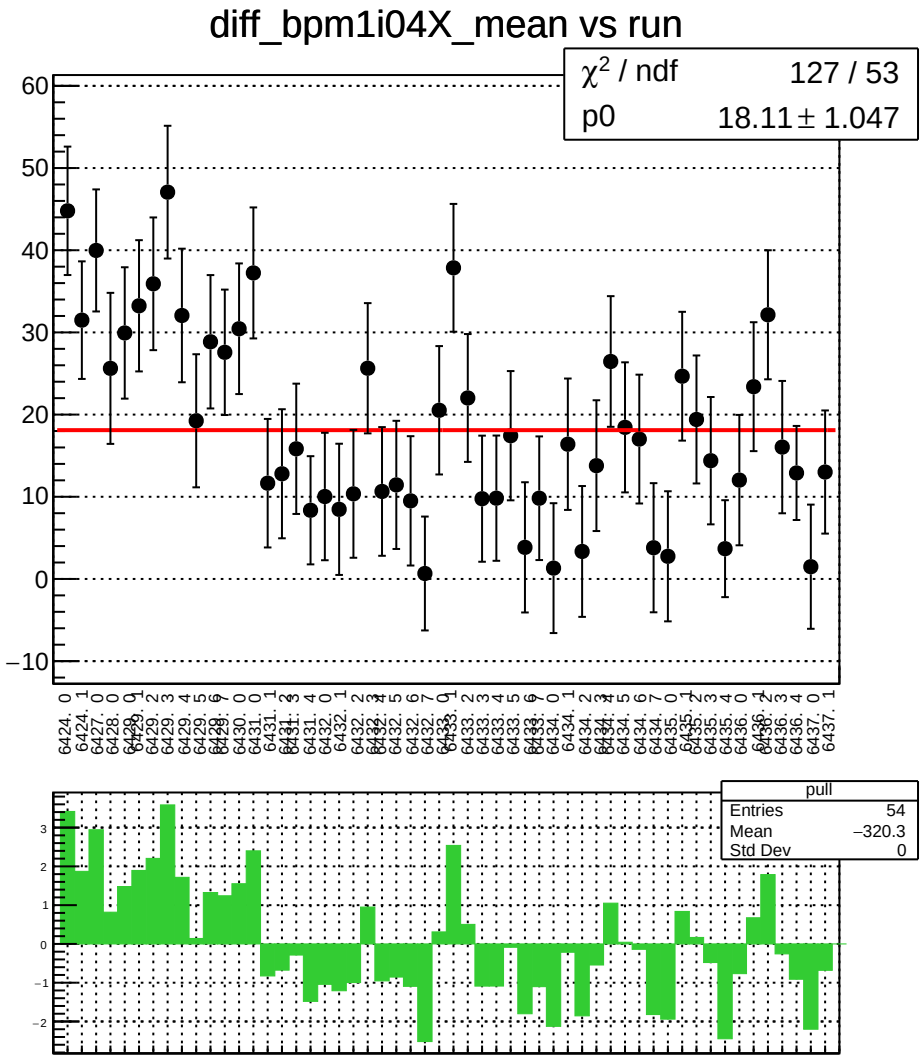

pull1D
Entries 54
Mean −0.03106
Std Dev 1.129

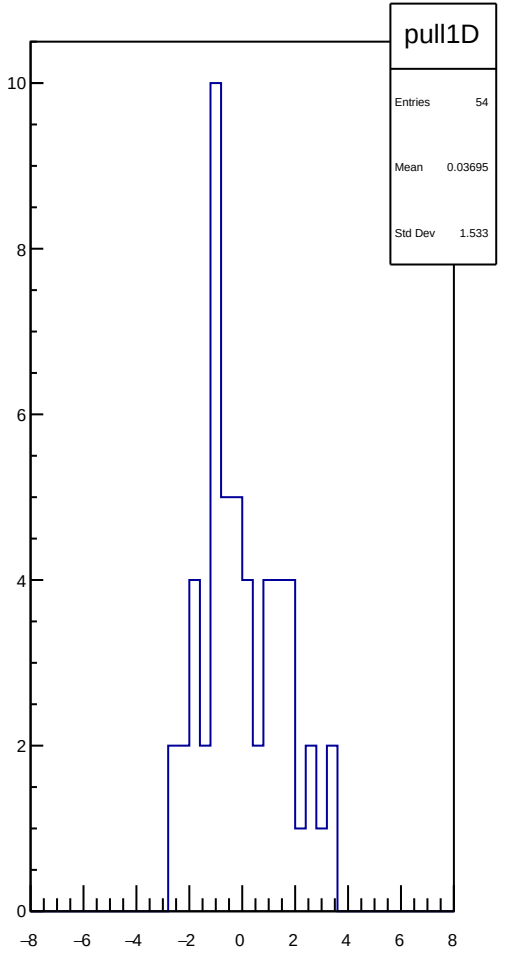

diff_bpm1i02X_rms vs run
χ² / ndf 167.8 / 53
p0 942 ± 0.9316
980
970
960
950
940
930
920
910
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

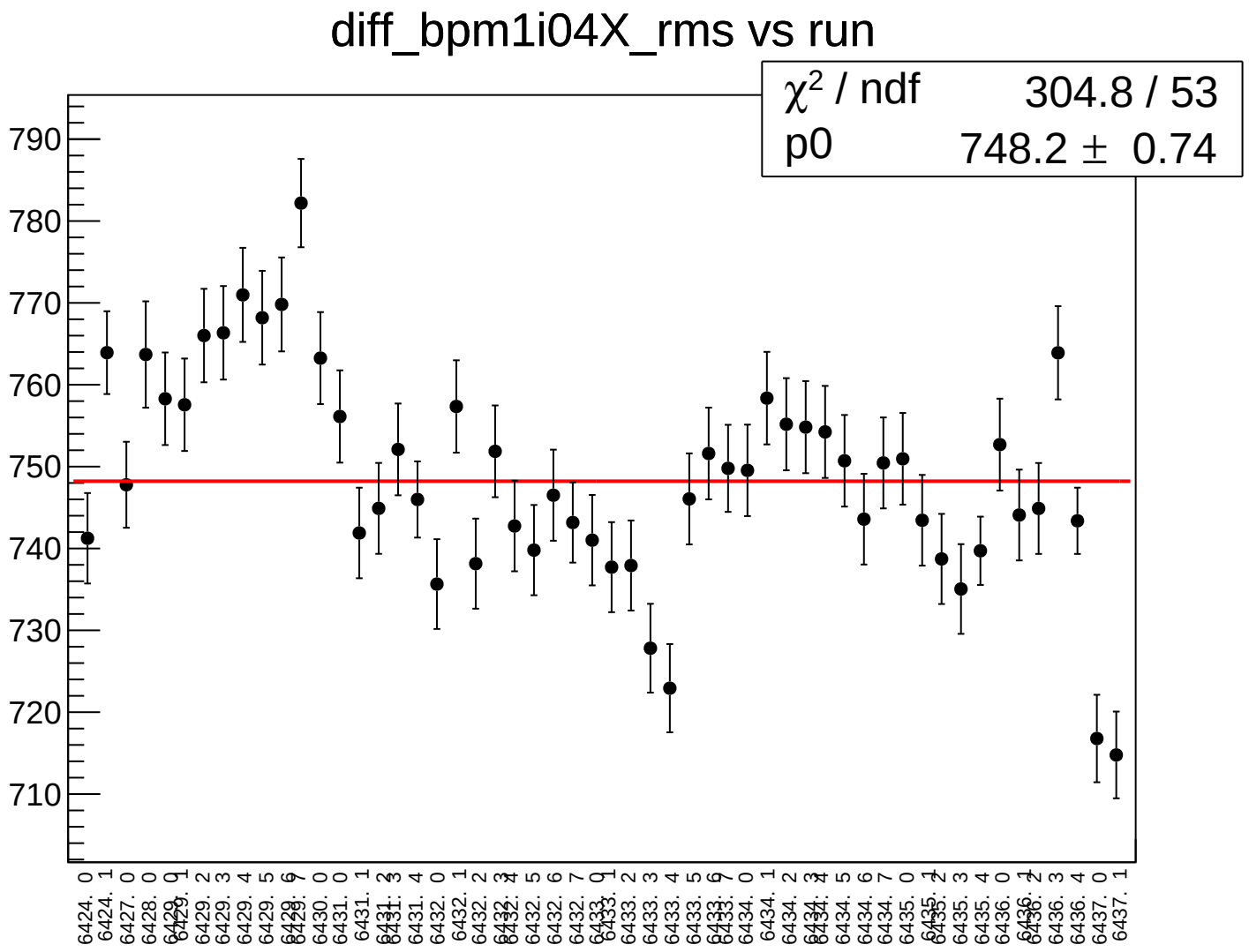

diff_bpm1i02Y_mean vs run
χ² / ndf 196.7 / 53
p0 40.93 ± 0.8594
pull
Entries 54
Mean −370.7
Std Dev 0

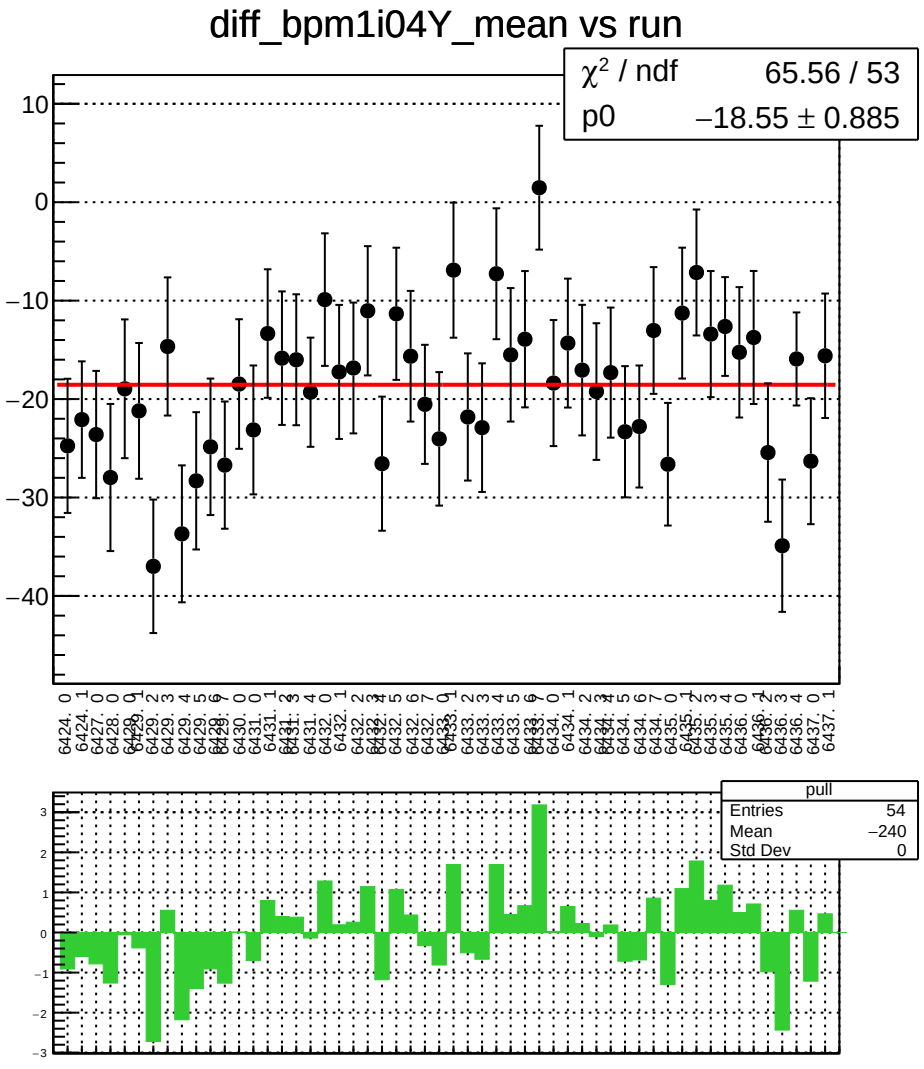

pull1D
Entries 54
Mean 0.03212
Std Dev 1.908

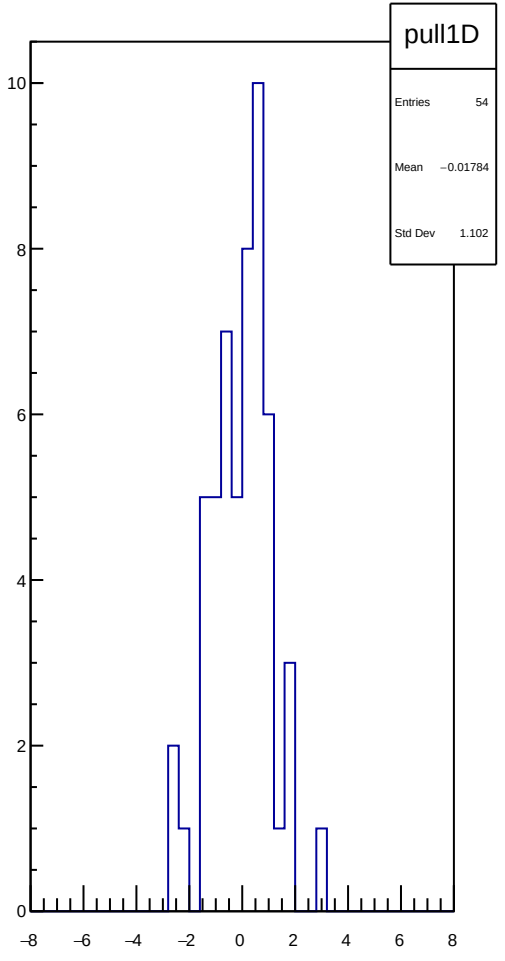

diff_bpm1i02Y_rms vs run
χ² / ndf 462.2 / 53
p0 614.4 ± 0.6077
650
640
630
620
610
600
590
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

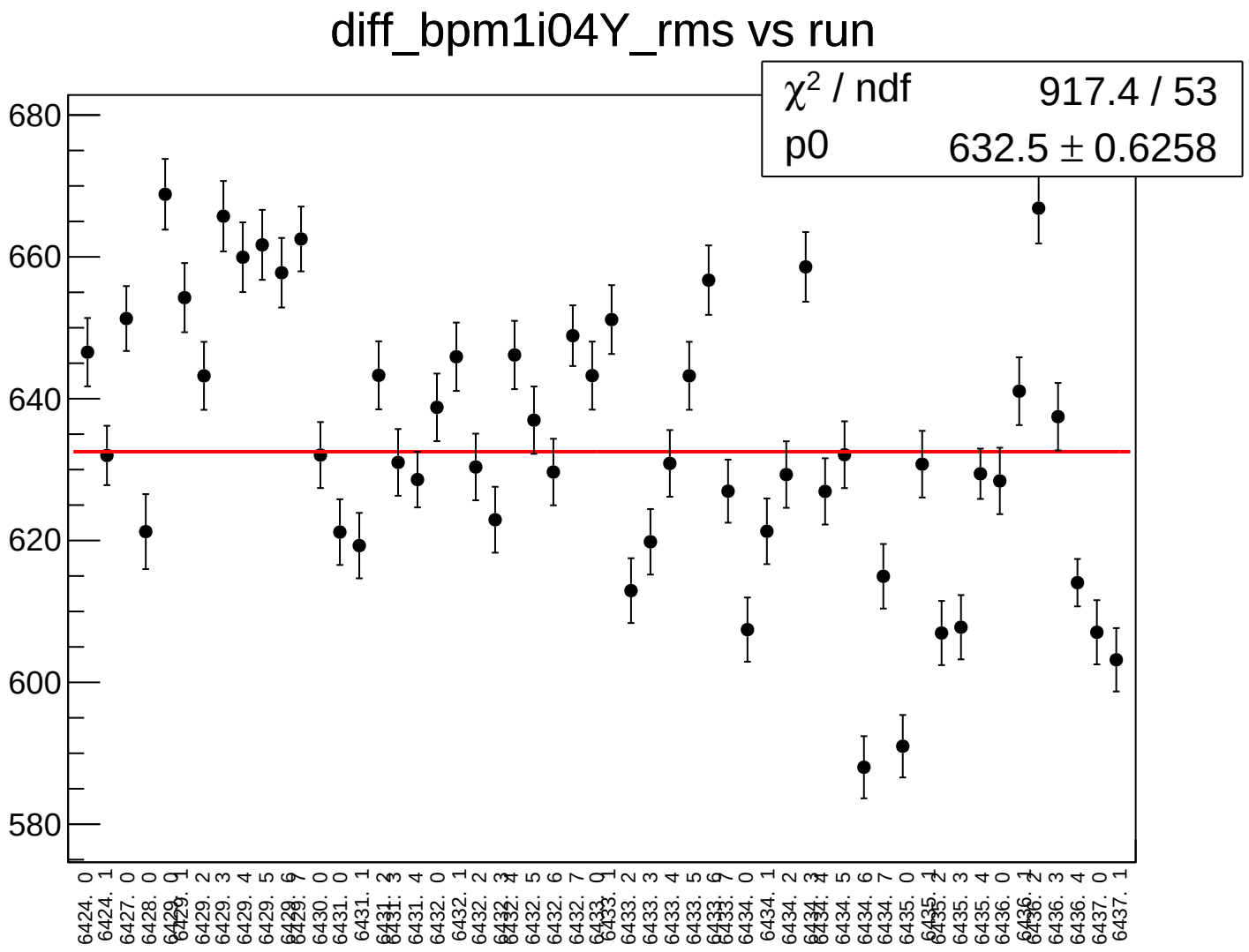

diff_bpm1i04X_mean vs run
χ^2 / ndf 127 / 53
p0 18.11 ± 1.047
pull
Entries 54
Mean −320.3
Std Dev 0

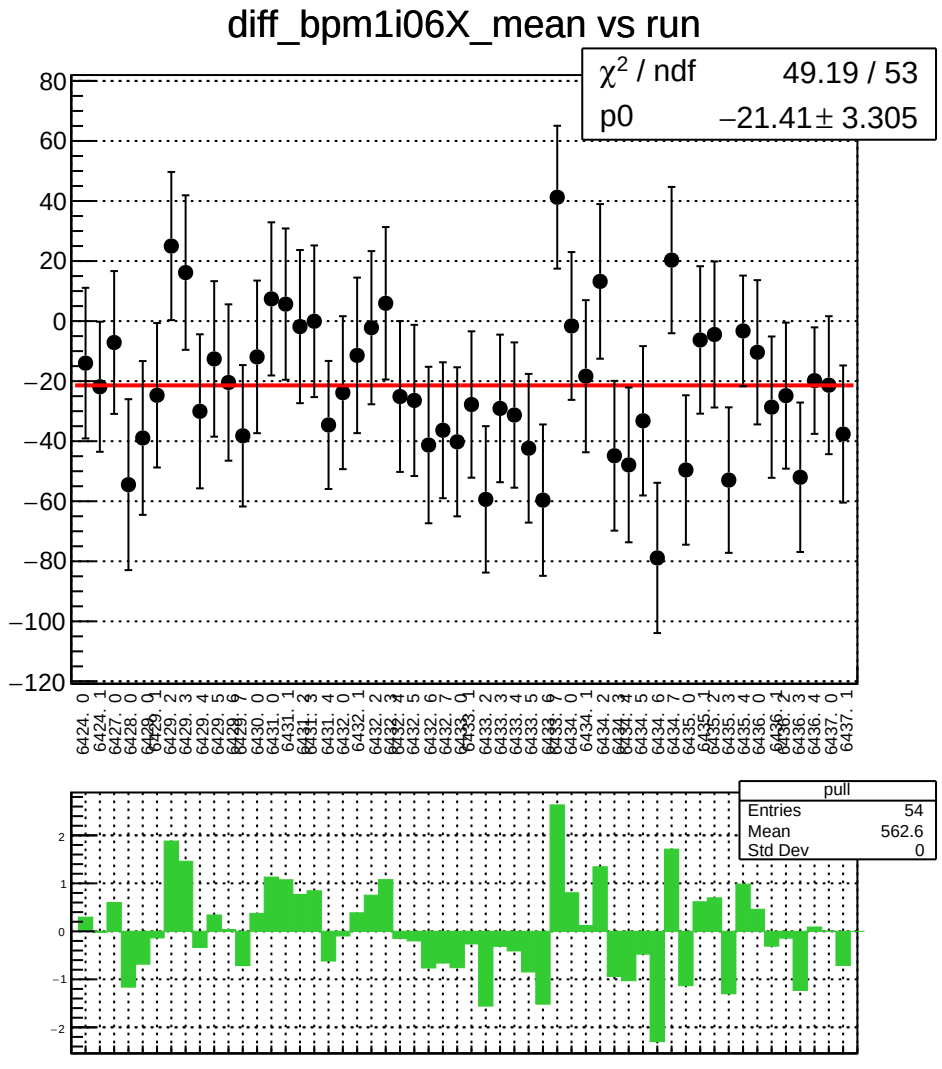

pull1D
Entries 54
Mean 0.03695
Std Dev 1.533

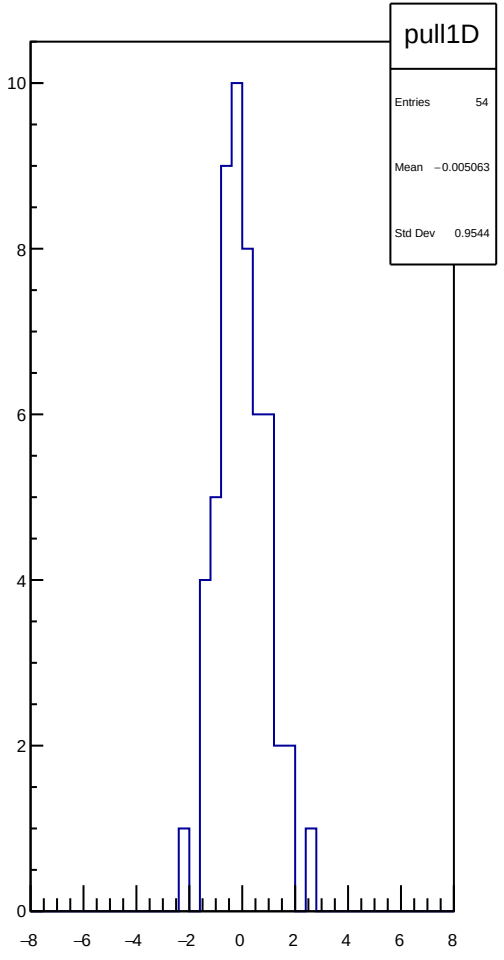

diff_bpm1i04X_rms vs run
χ² / ndf 304.8 / 53
p0 748.2 ± 0.74
790
780
770
760
750
740
730
720
710
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

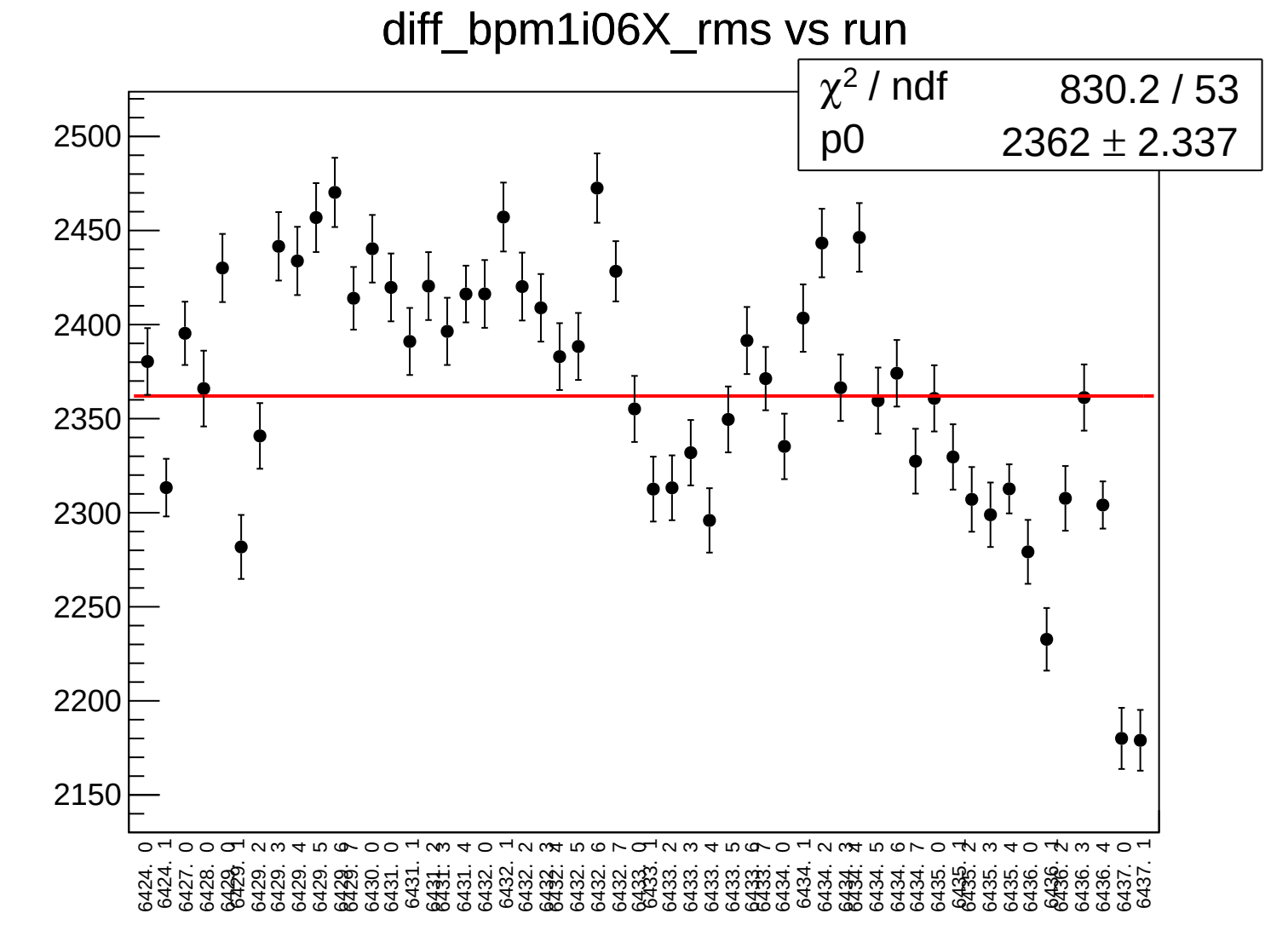

diff_bpm1i04Y_mean vs run
χ² / ndf 65.56 / 53
p0 −18.55 ± 0.885
pull
Entries 54
Mean −240
Std Dev 0

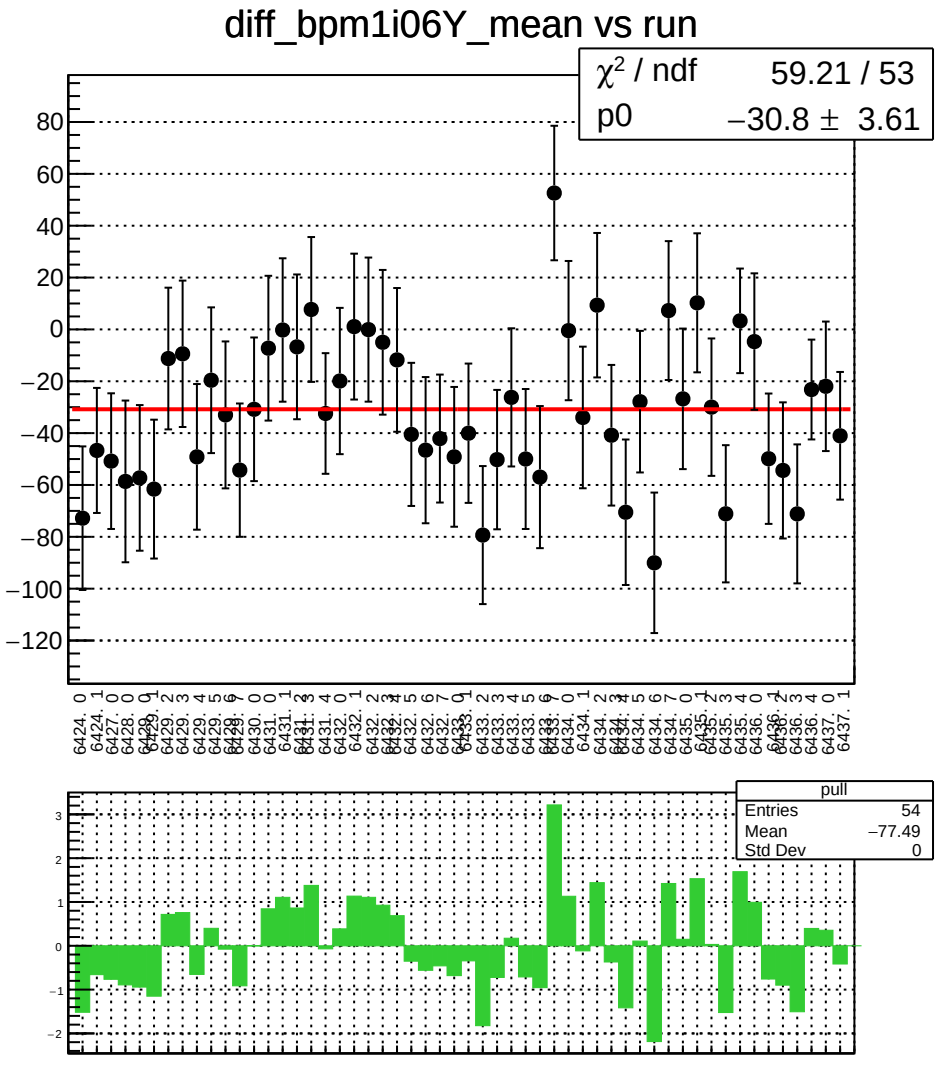

pull1D
Entries 54
Mean −0.01784
Std Dev 1.102

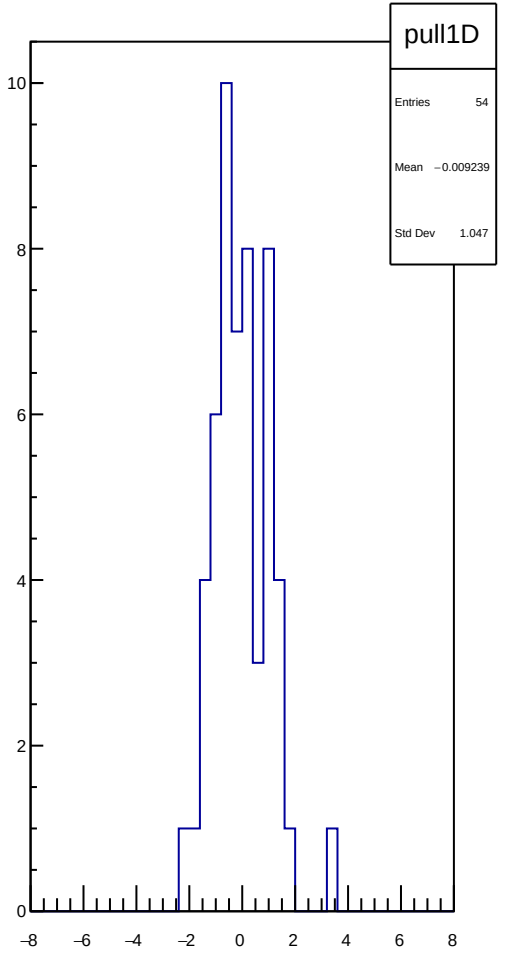

diff_bpm1i04Y_rms vs run
χ² / ndf 917.4 / 53
p0 632.5 ± 0.6258
680
660
640
620
600
580
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

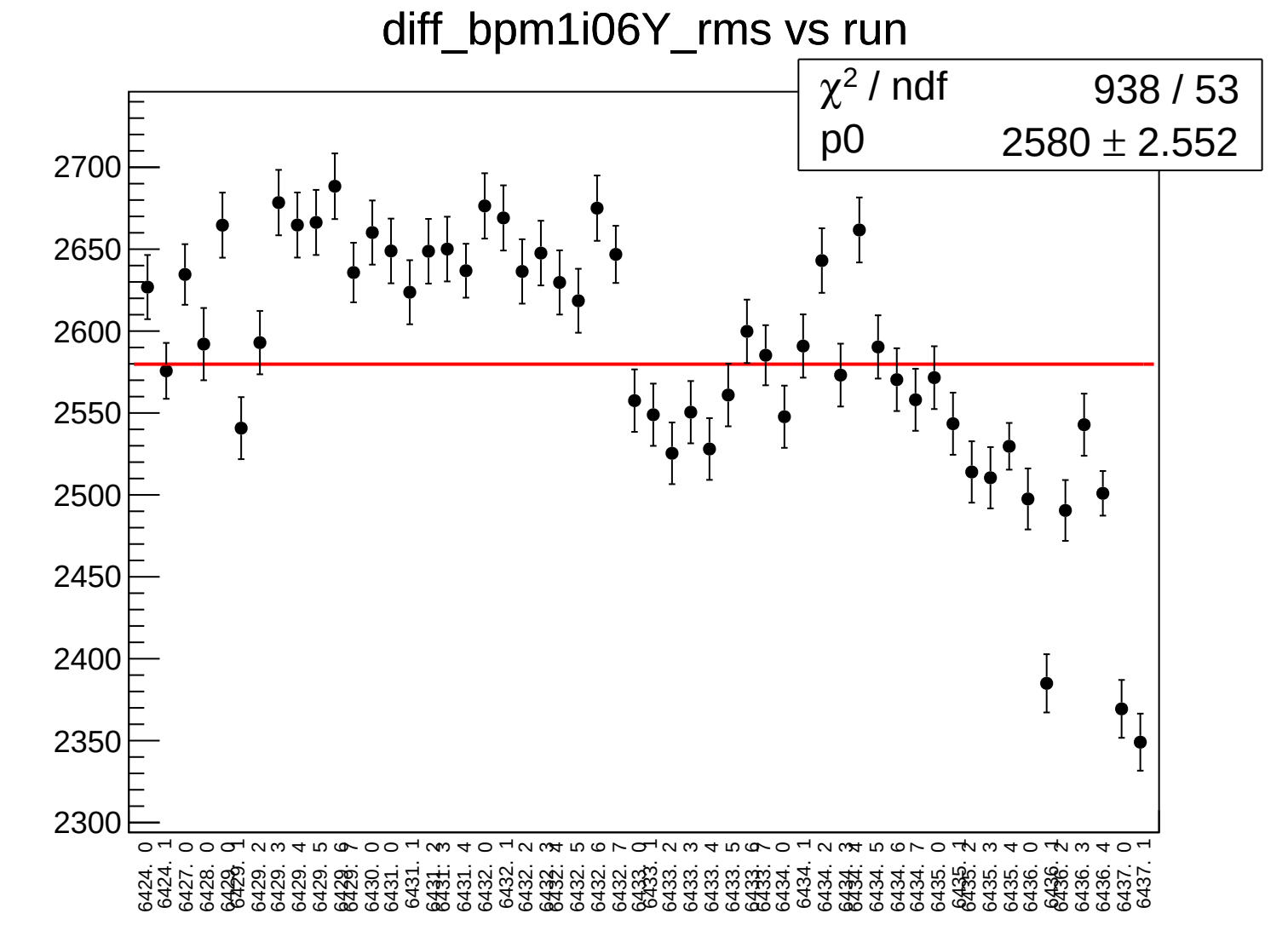

diff_bpm1i06X_mean vs run
χ² / ndf 49.19 / 53
p0 −21.41± 3.305
pull
Entries 54
Mean 562.6
Std Dev 0

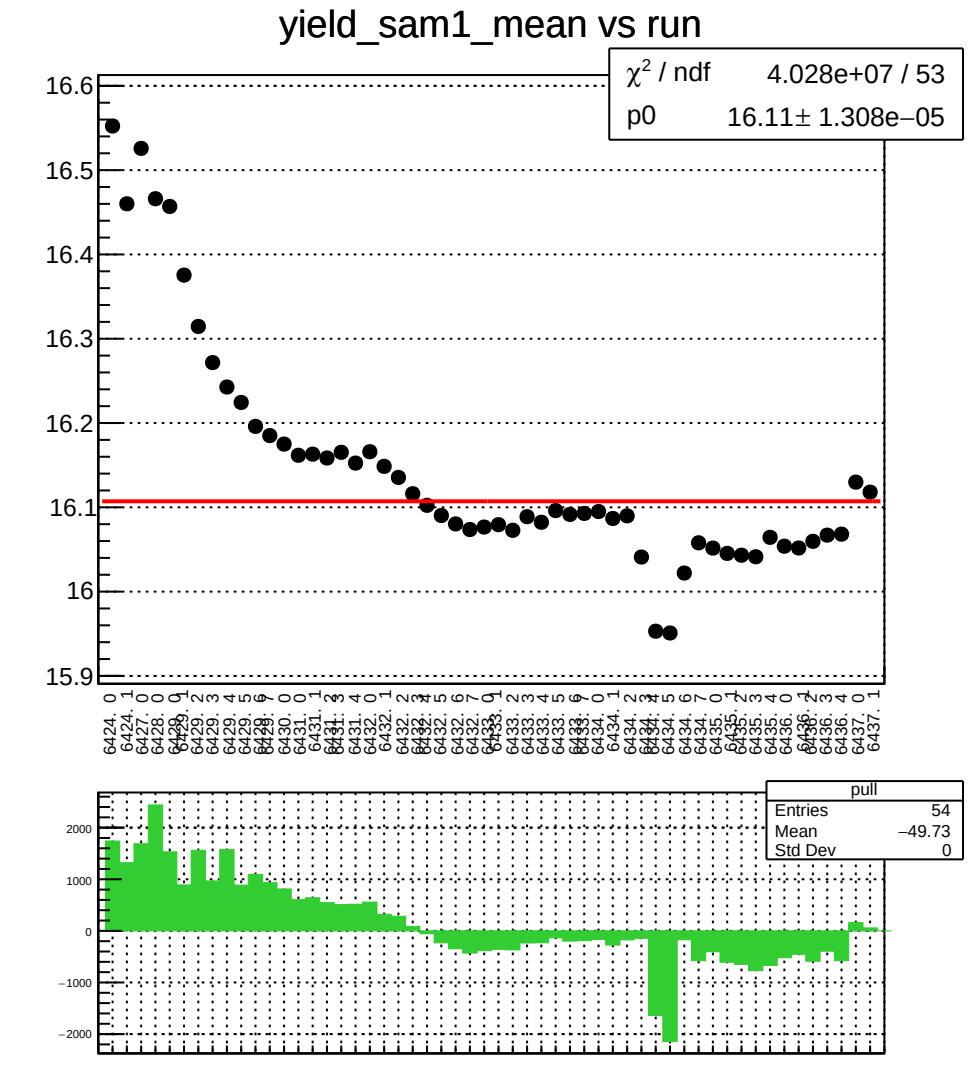

pull1D
Entries 54
Mean −0.005063
Std Dev 0.9544

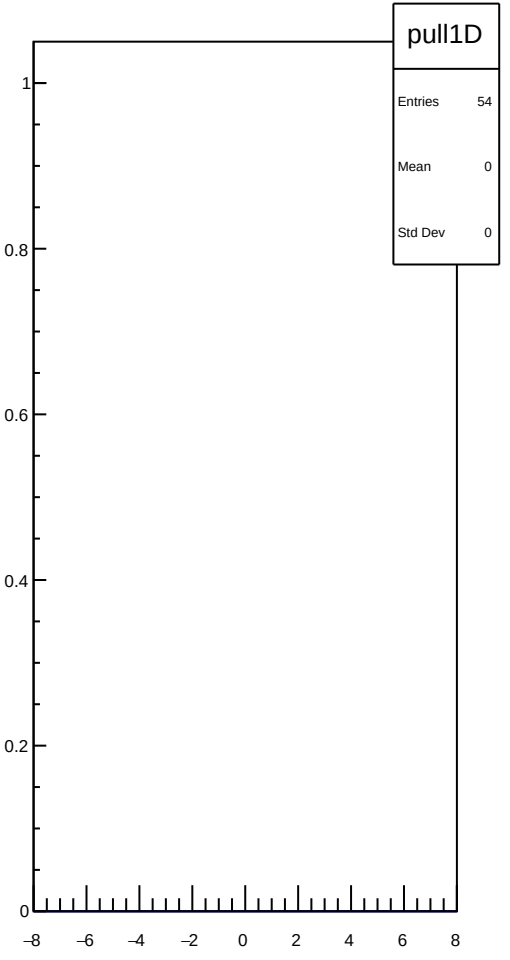

diff_bpm1i06X_rms vs run
χ² / ndf 830.2 / 53
p0 2362 ± 2.337
2500
2450
2400
2350
2300
2250
2200
2150
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

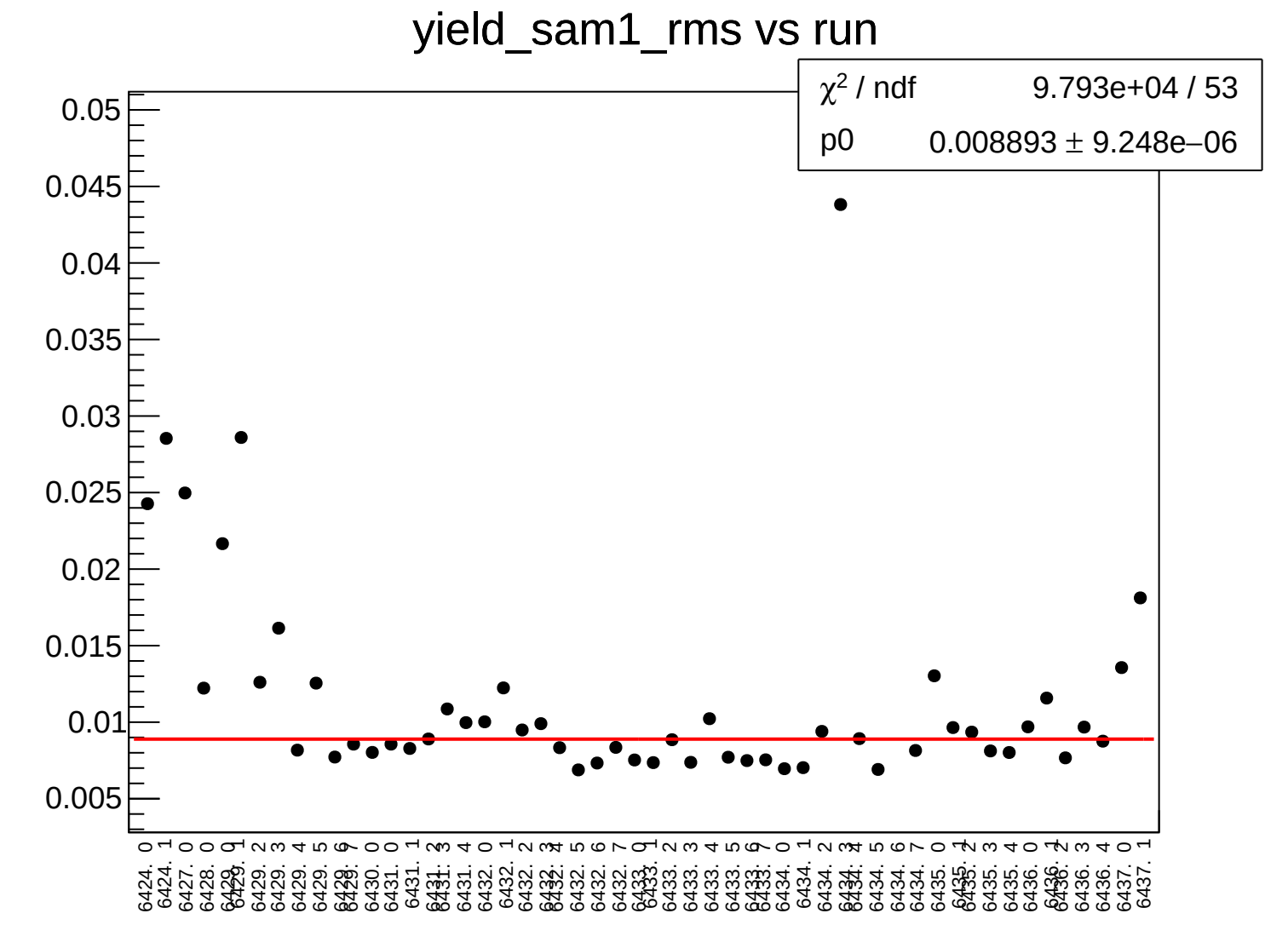

diff_bpm1i06Y_mean vs run
χ² / ndf 59.21 / 53
p0 −30.8 ± 3.61
pull
Entries 54
Mean −77.49
Std Dev 0

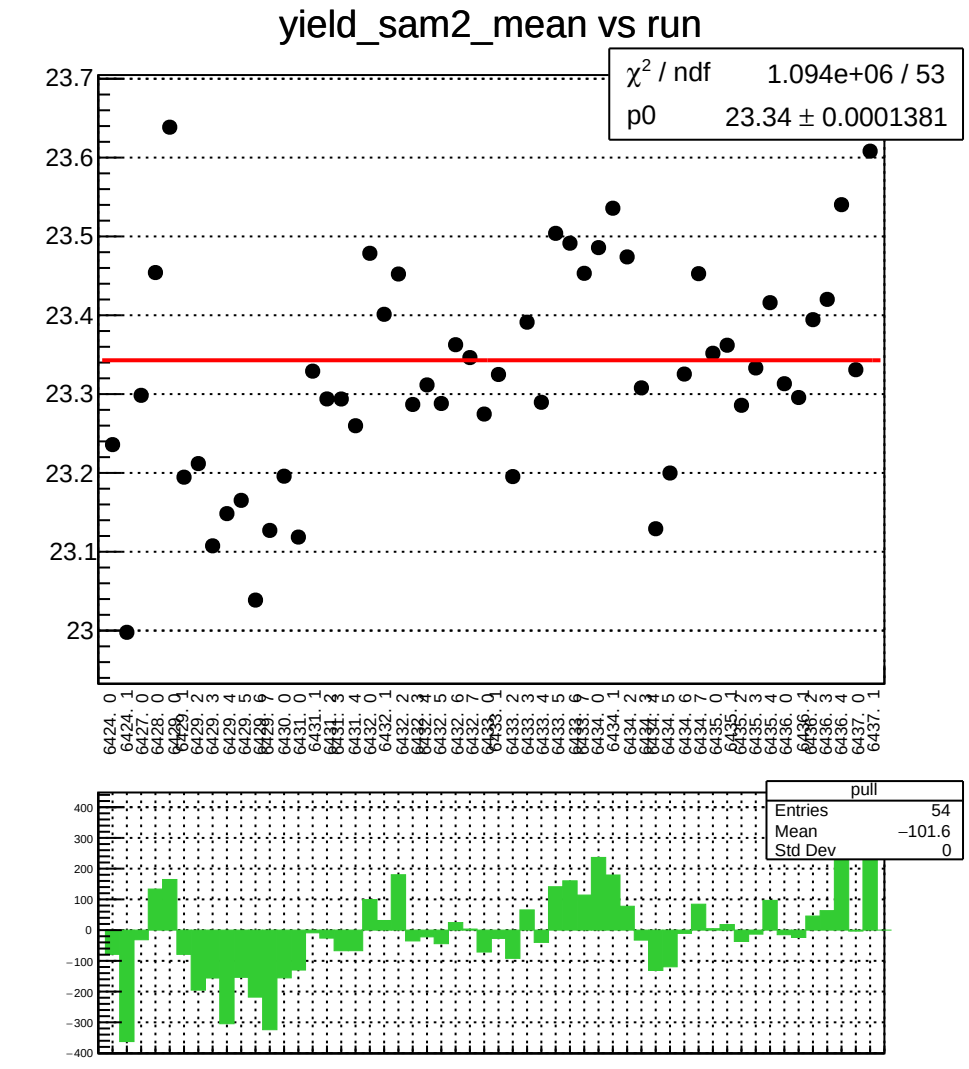

pull1D
Entries 54
Mean −0.009239
Std Dev 1.047

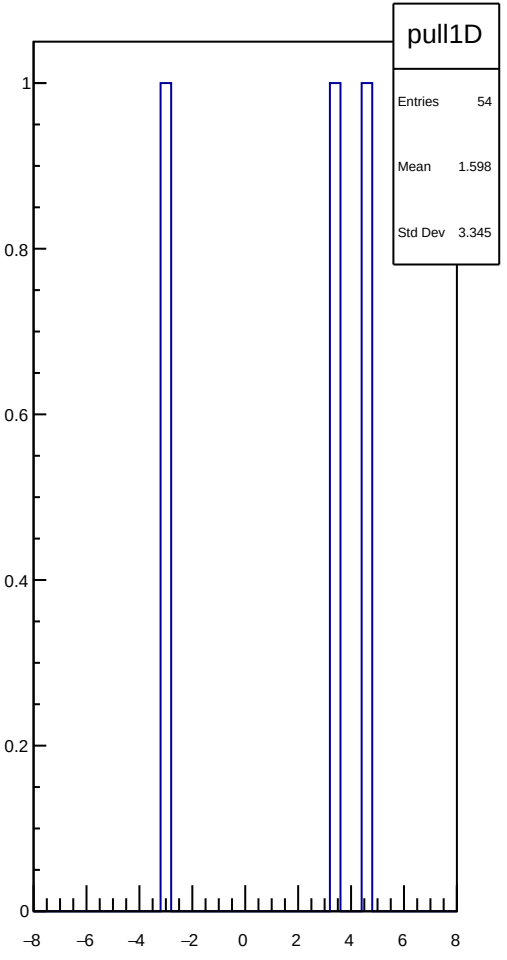

diff_bpm1i06Y_rms vs run
χ² / ndf 938 / 53
p0 2580 ± 2.552
2700
2650
2600
2550
2500
2450
2400
2350
2300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

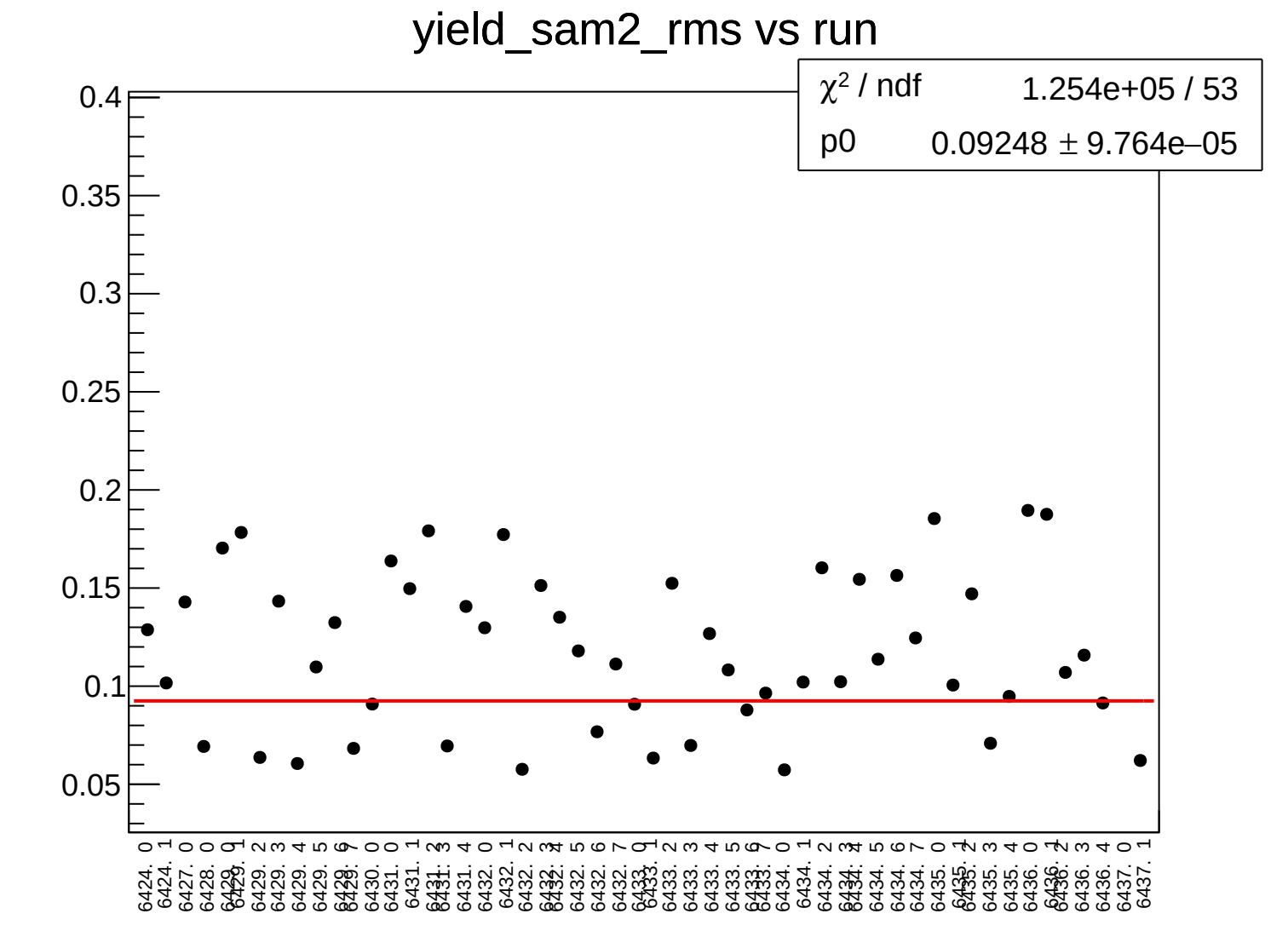

yield_sam1_mean vs run
χ² / ndf 4.028e+07 / 53
p0 16.11± 1.308e−05
pull
Entries 54
Mean −49.73
Std Dev 0

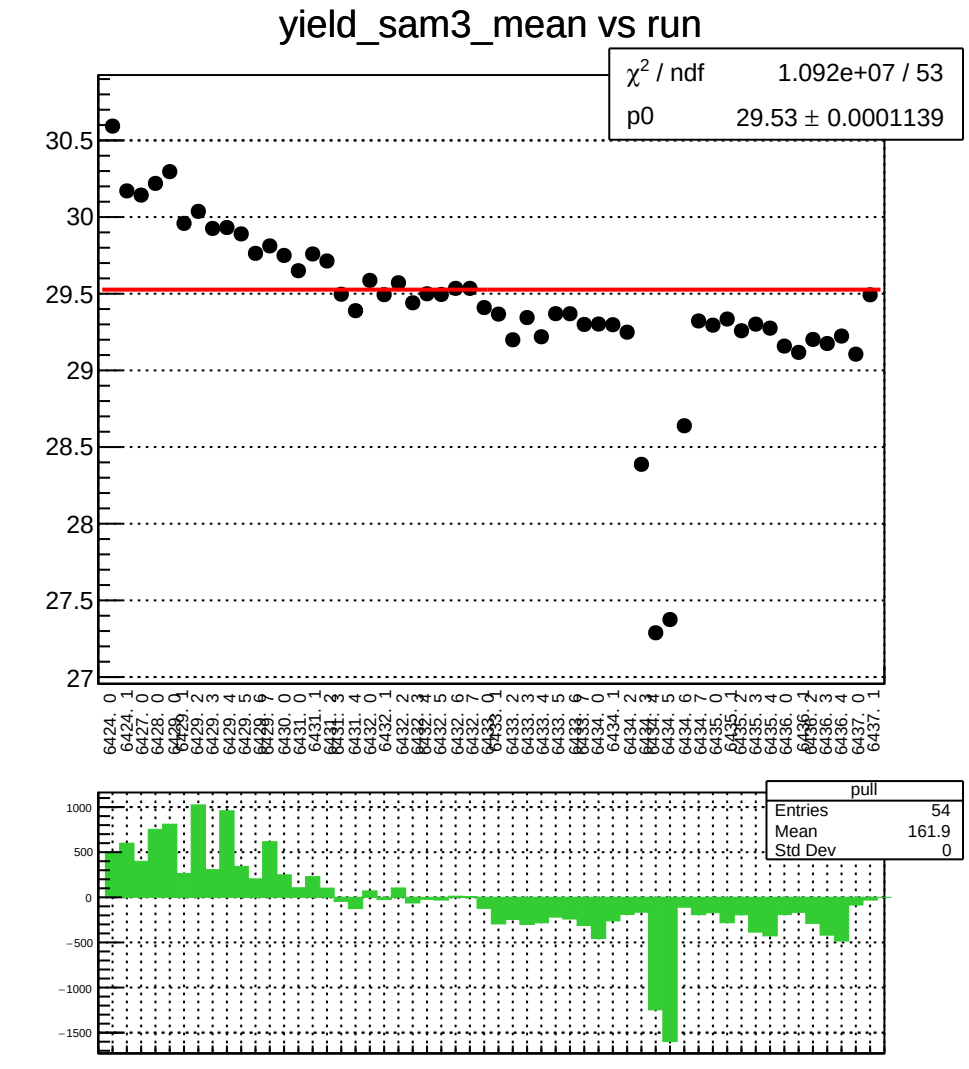

pull1D
Entries 54
Mean 0
Std Dev 0

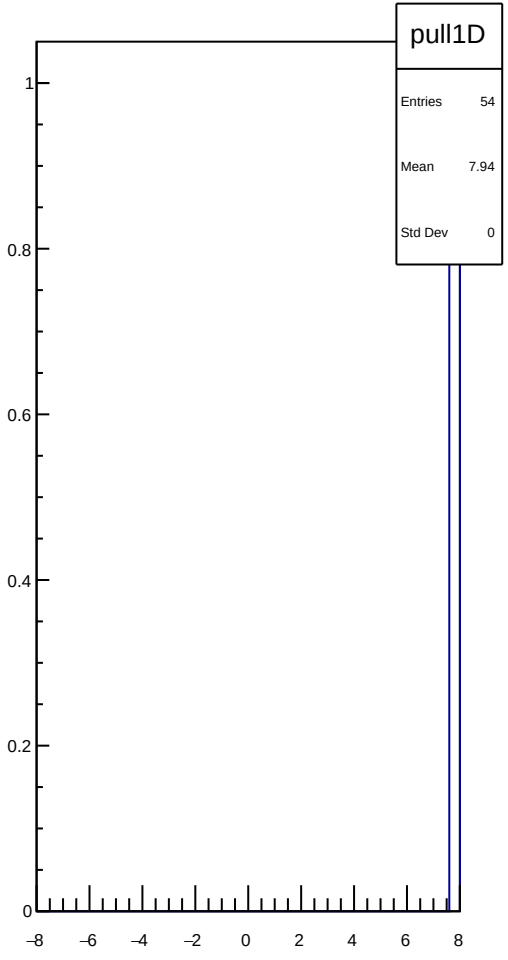

yield_sam1_rms vs run
χ² / ndf 9.793e+04 / 53
p0 0.008893 ± 9.248e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

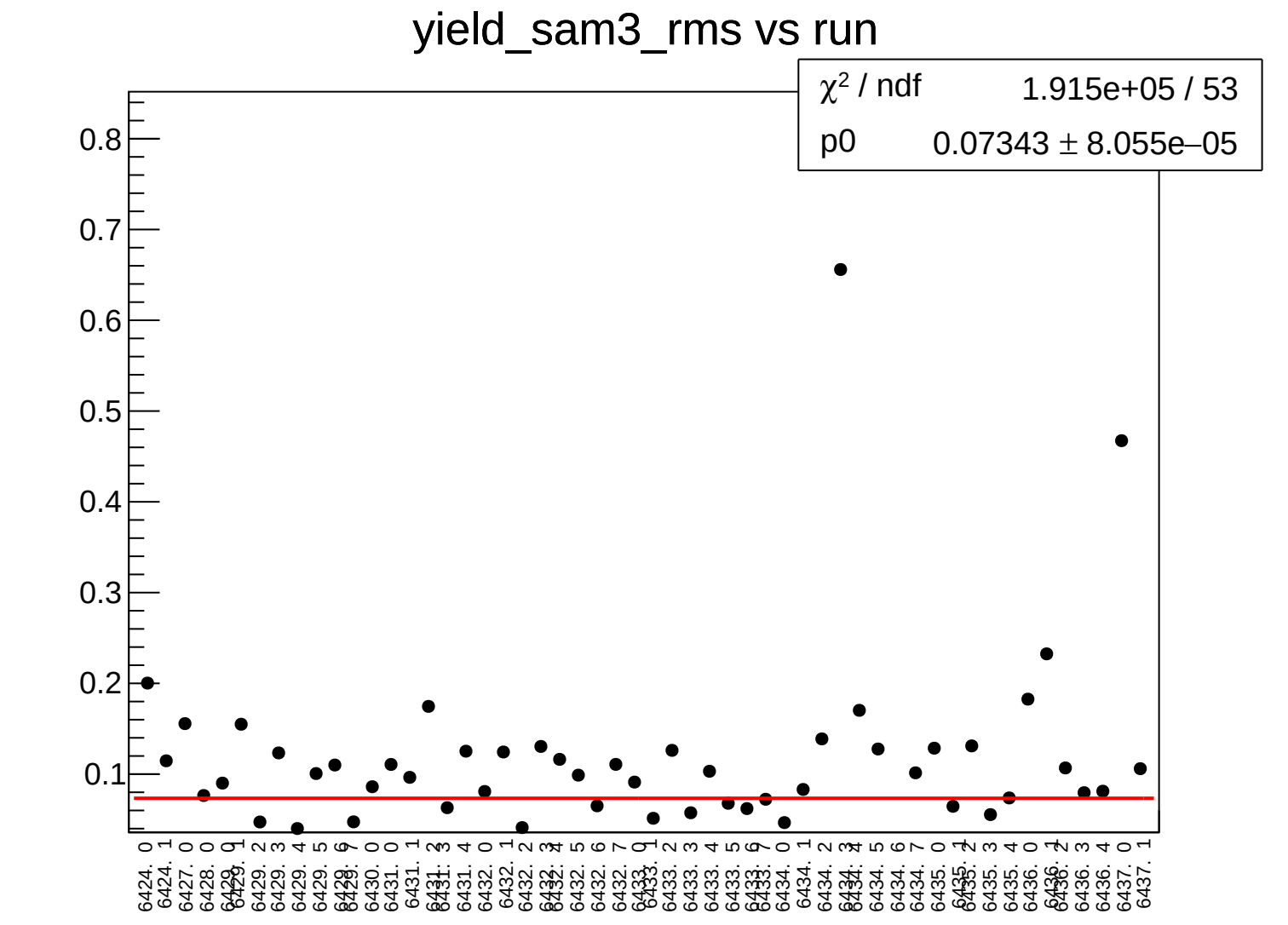

yield_sam2_mean vs run
χ² / ndf 1.094e+06 / 53
p0 23.34 ± 0.0001381
pull
Entries 54
Mean −101.6
Std Dev 0

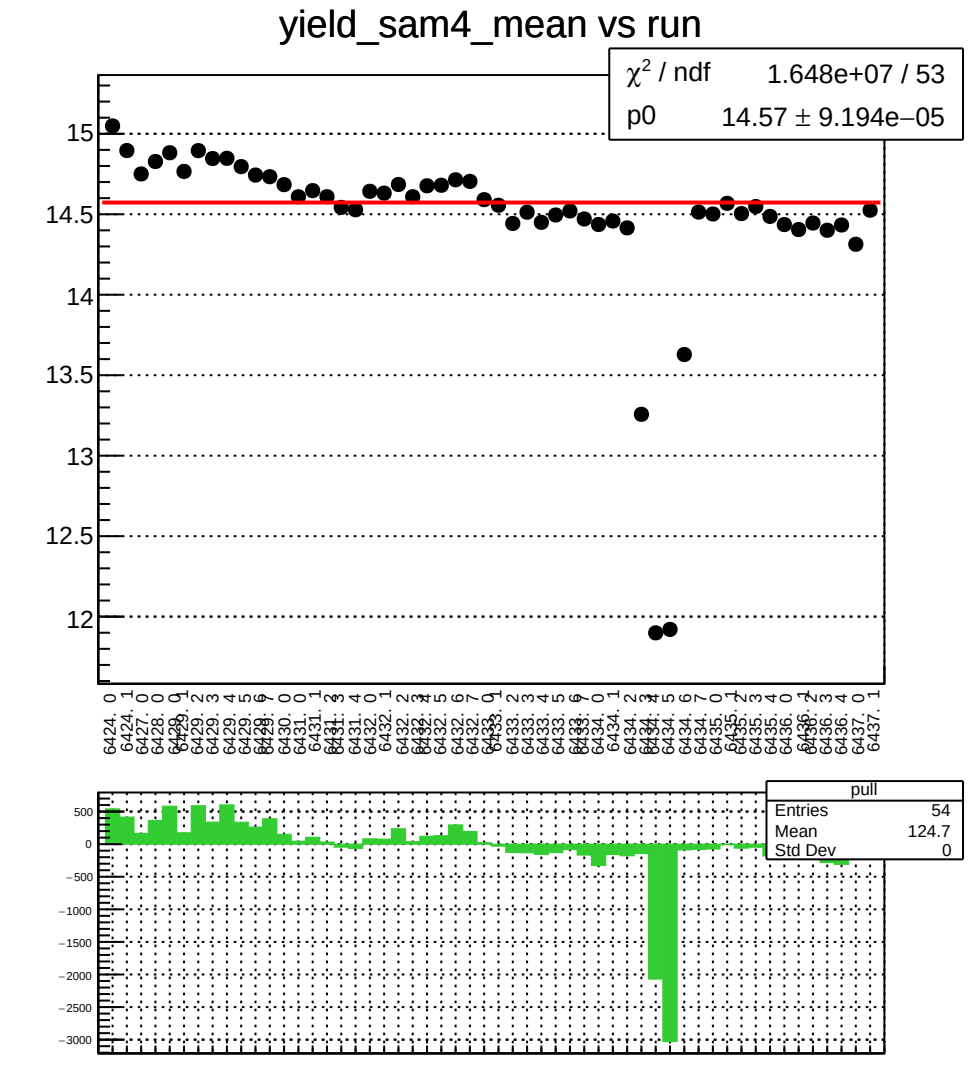

pull1D
Entries 54
Mean 1.598
Std Dev 3.345

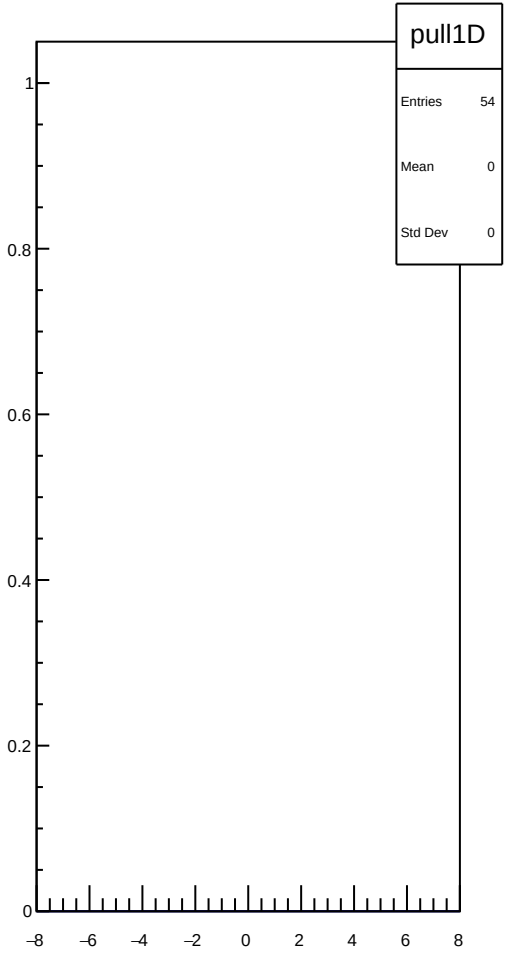

yield_sam2_rms vs run
χ² / ndf 1.254e+05 / 53
p0 0.09248 ± 9.764e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

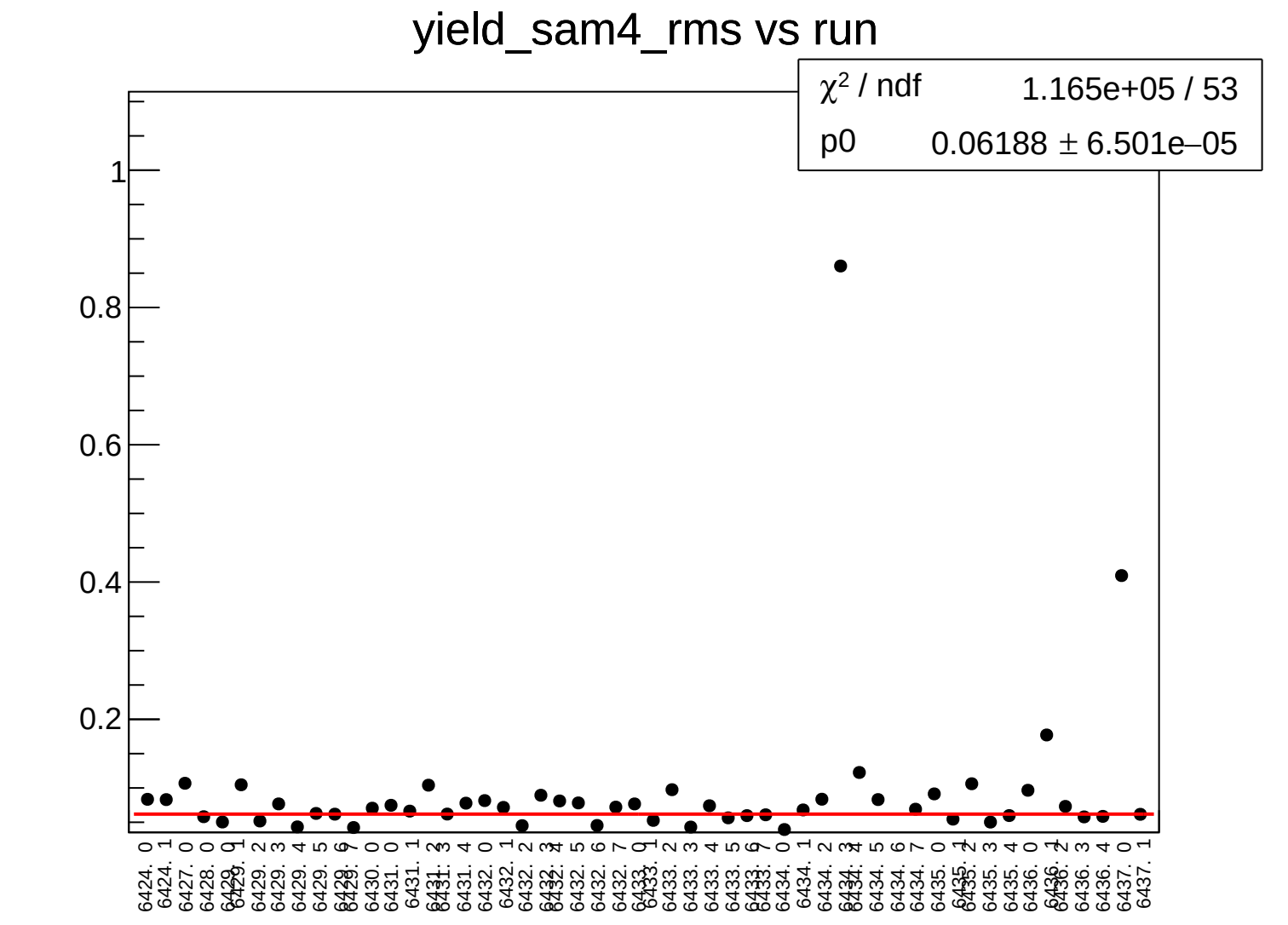

yield_sam3_mean vs run
χ² / ndf 1.092e+07 / 53
p0 29.53 ± 0.0001139
pull
Entries 54
Mean 161.9
Std Dev 0

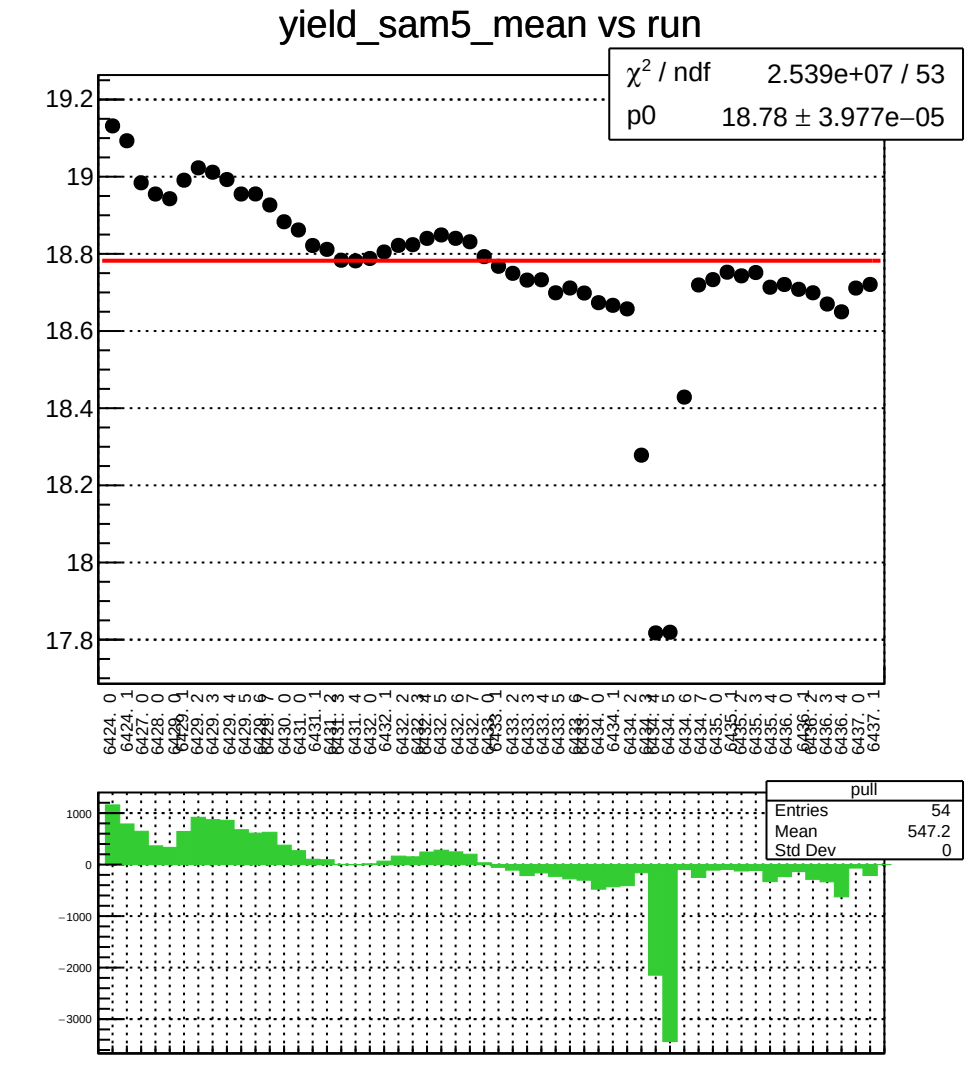

pull1D
Entries 54
Mean 7.94
Std Dev 0

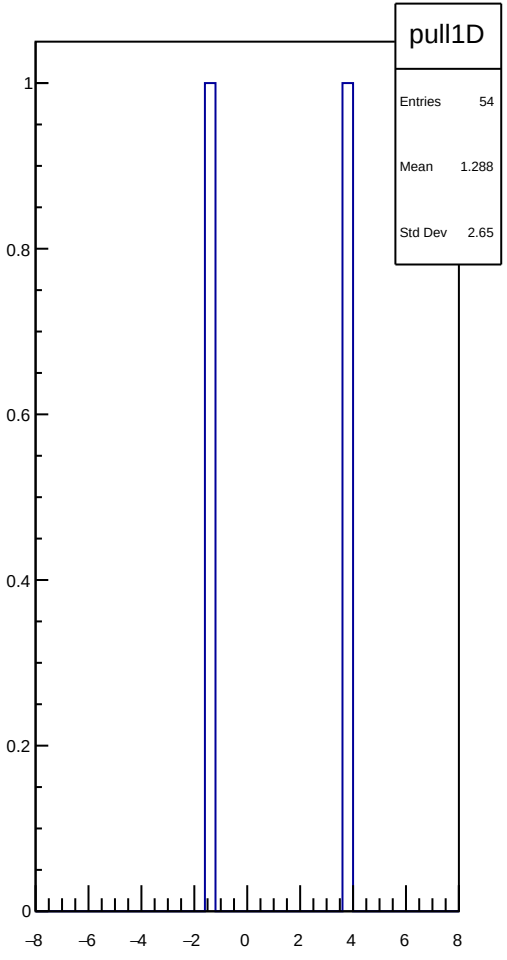

yield_sam3_rms vs run
χ² / ndf 1.915e+05 / 53
p0 0.07343 ± 8.055e–05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

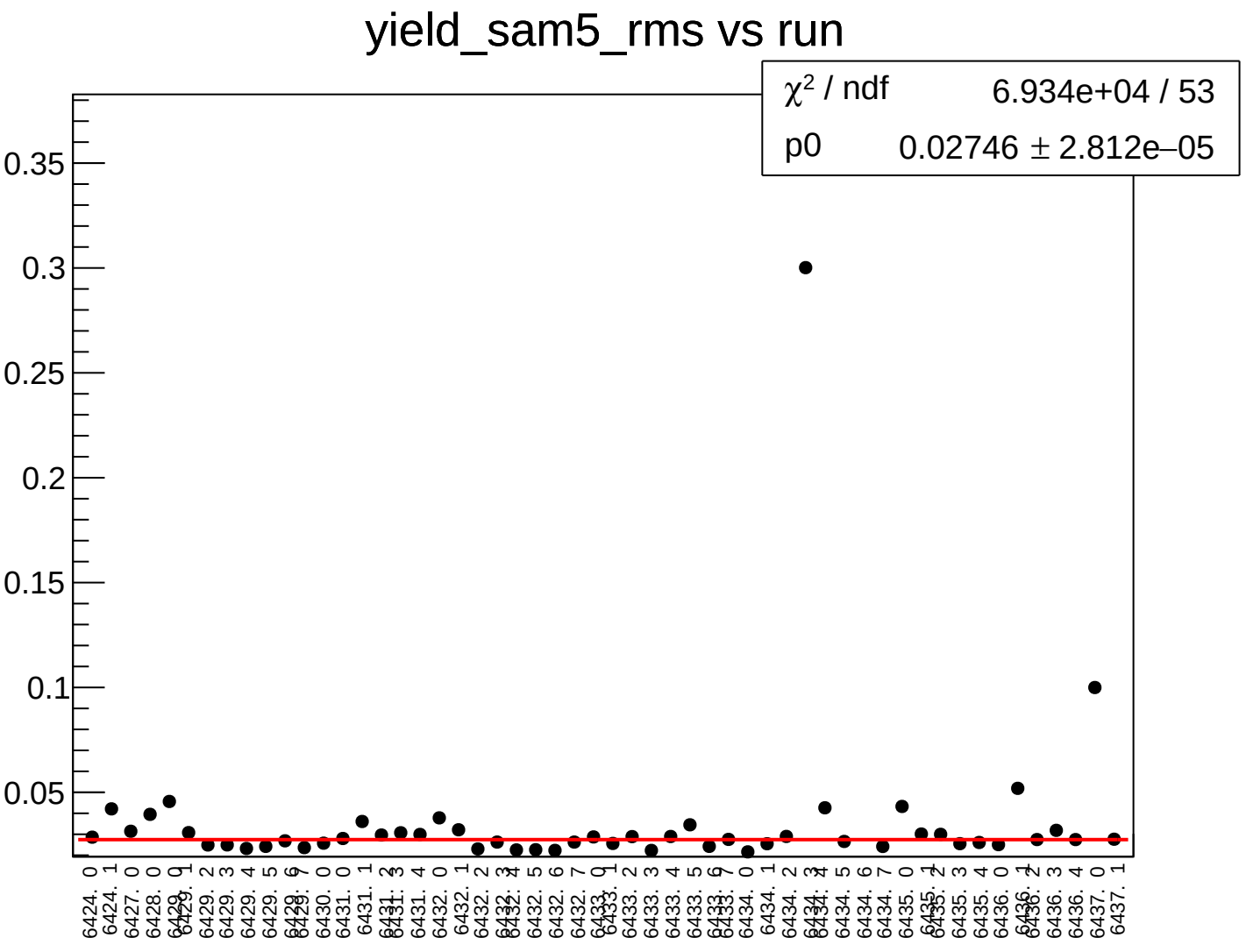

yield_sam4_mean vs run
χ² / ndf 1.648e+07 / 53
p0 14.57 ± 9.194e−05
pull
Entries 54
Mean 124.7
Std Dev 0

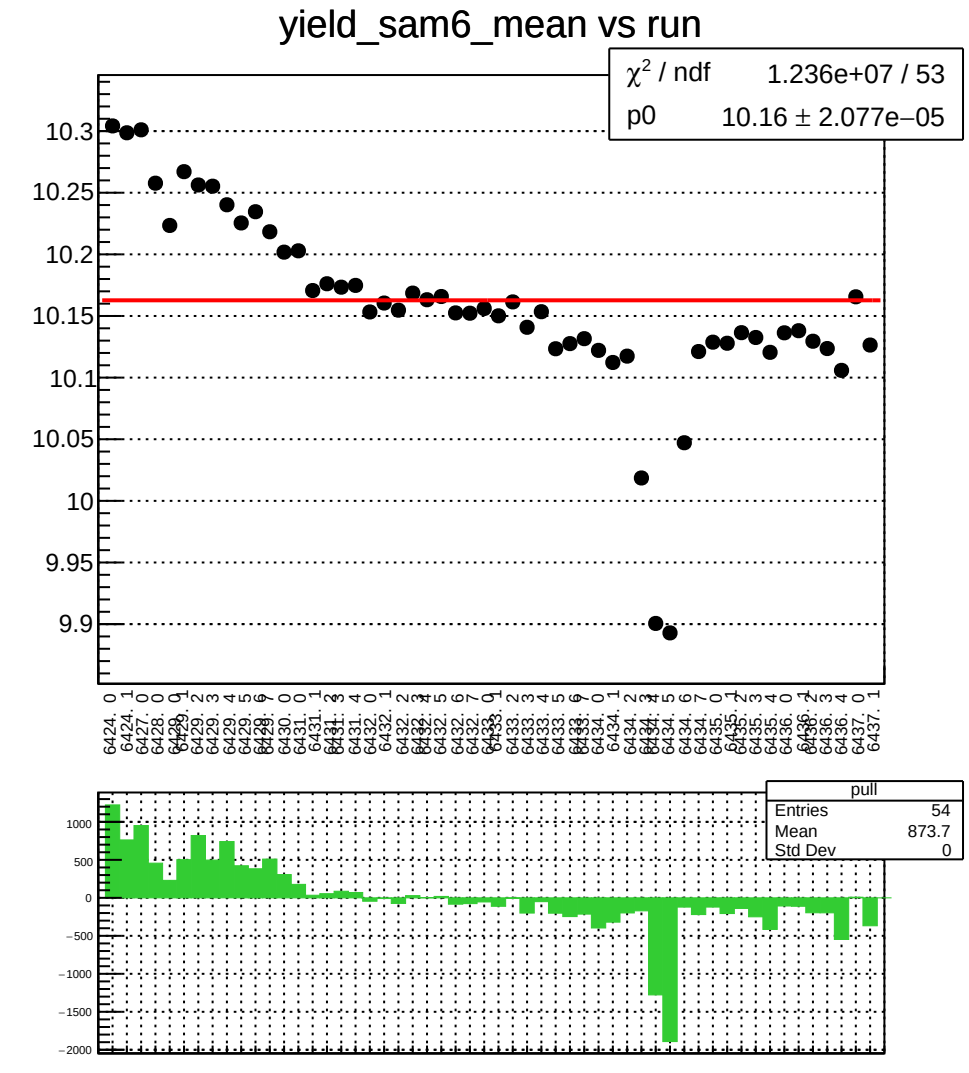

pull1D
Entries 54
Mean 0
Std Dev 0

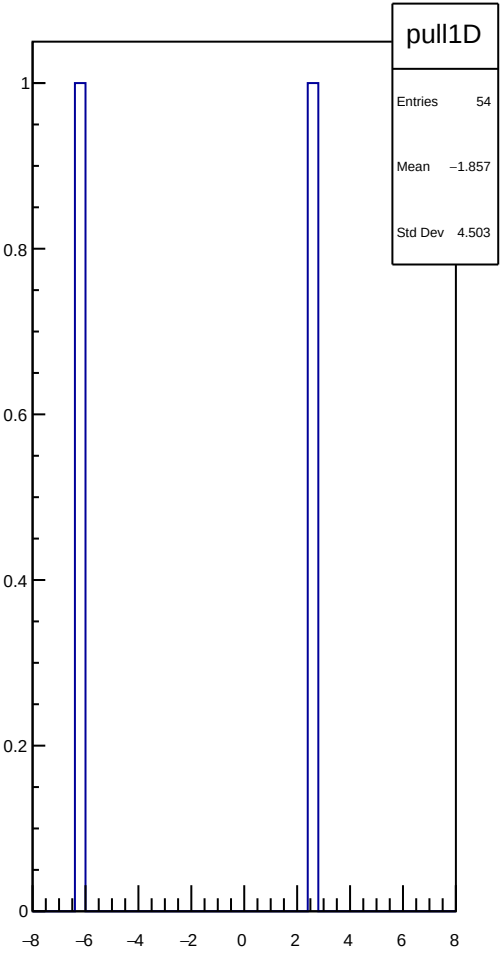

yield_sam4_rms vs run
χ² / ndf 1.165e+05 / 53
p0 0.06188 ± 6.501e–05
1
0.8
0.6
0.4
0.2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

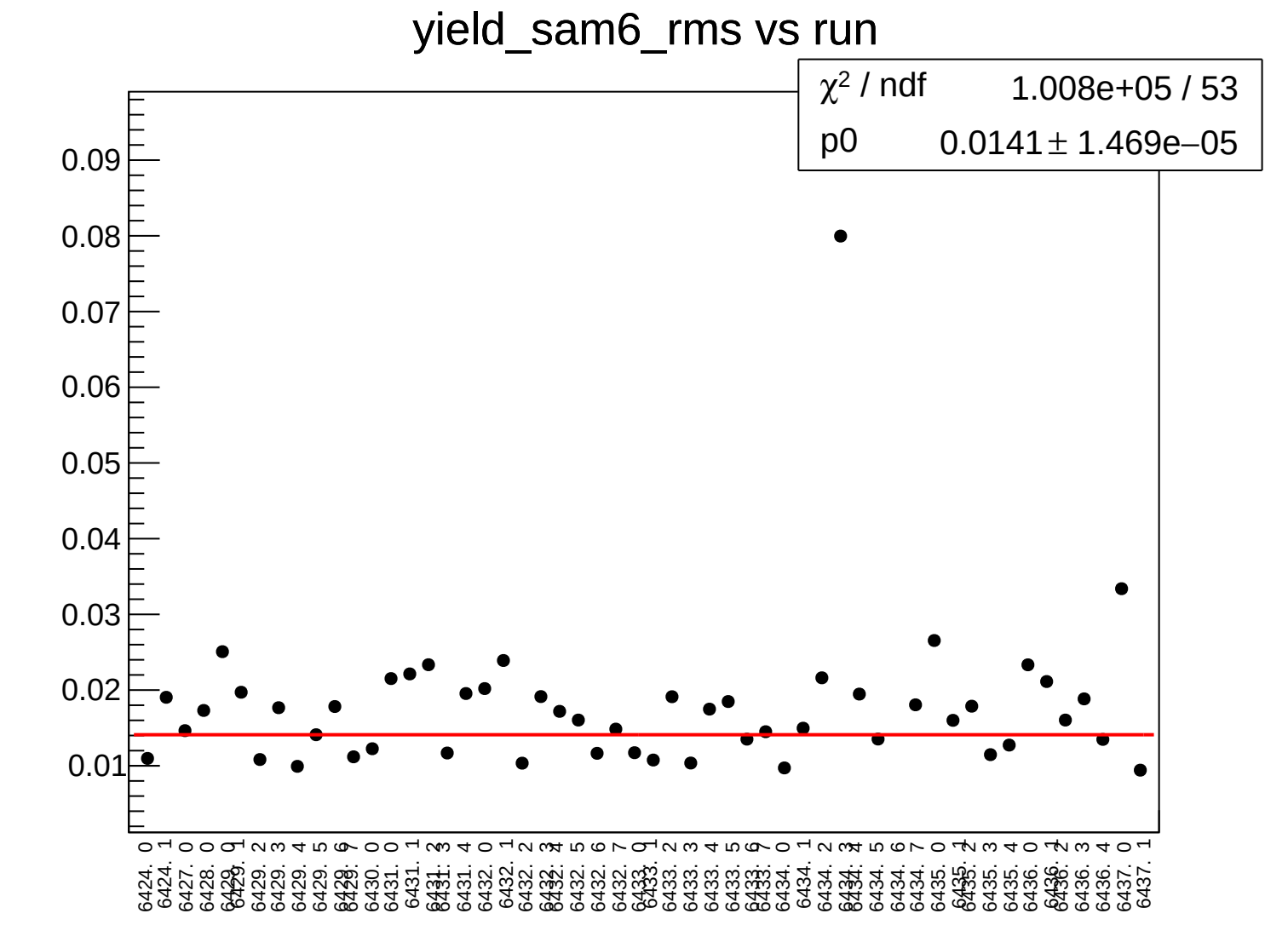

yield_sam5_mean vs run
χ² / ndf 2.539e+07 / 53
p0 18.78 ± 3.977e−05
19.2
19
18.8
18.6
18.4
18.2
18
17.8
pull
Entries 54
Mean 547.2
Std Dev 0
1000
0
−1000
−2000
−3000

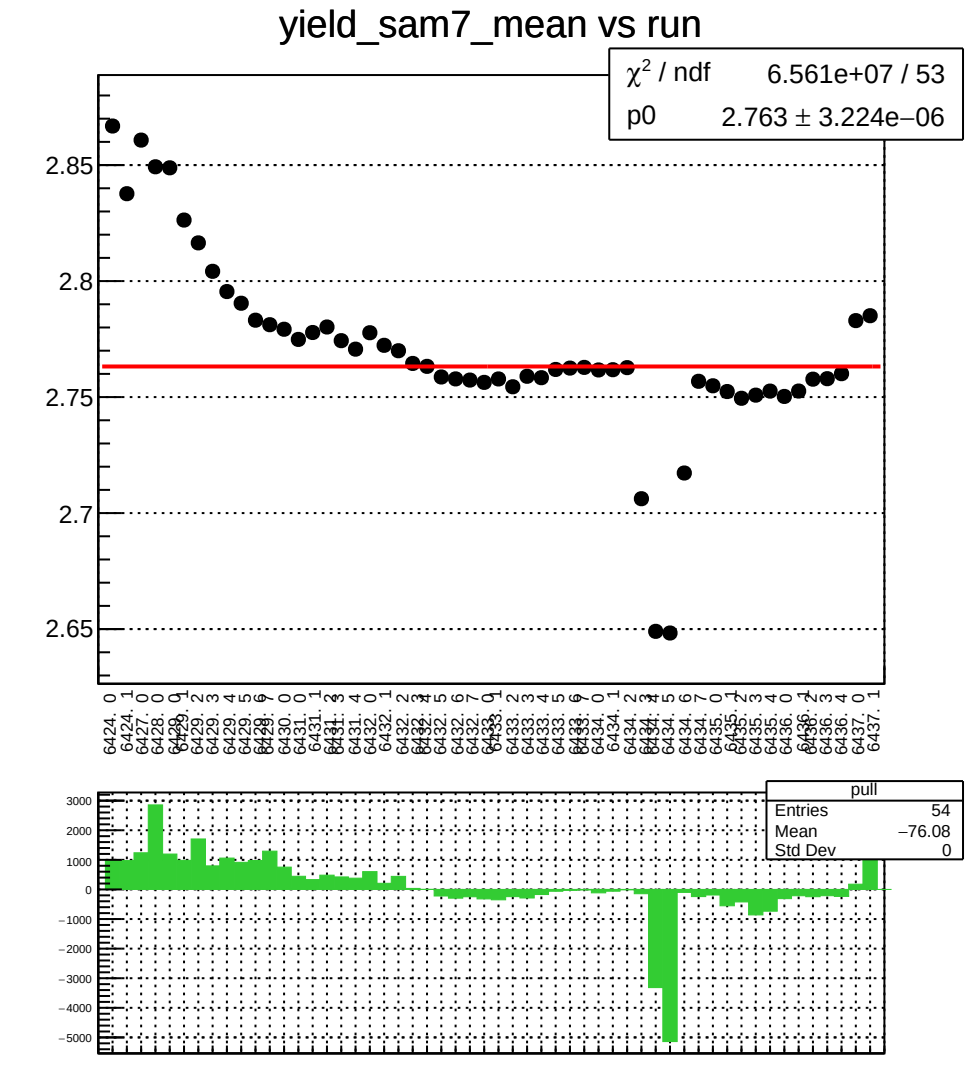

pull1D
Entries 54
Mean 1.288
Std Dev 2.65
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

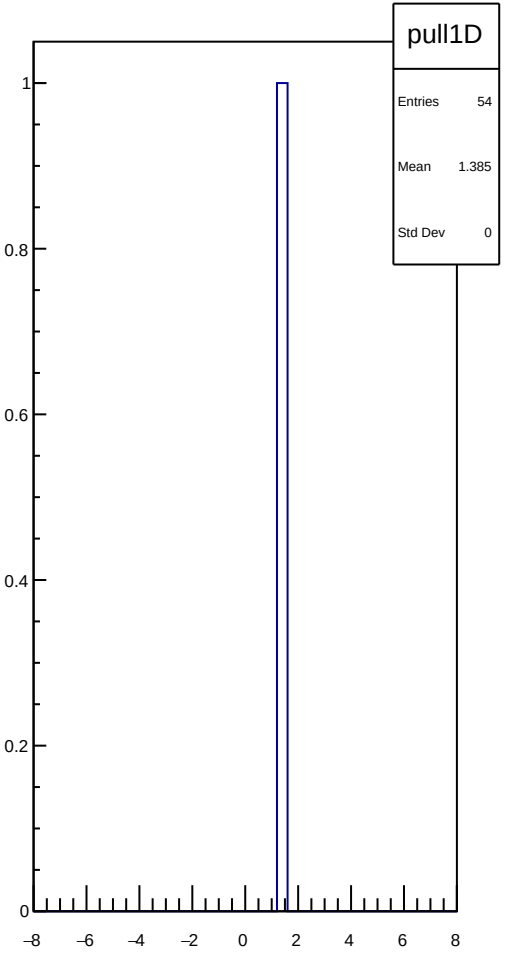

yield_sam5_rms vs run
χ² / ndf 6.934e+04 / 53
p0 0.02746 ± 2.812e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

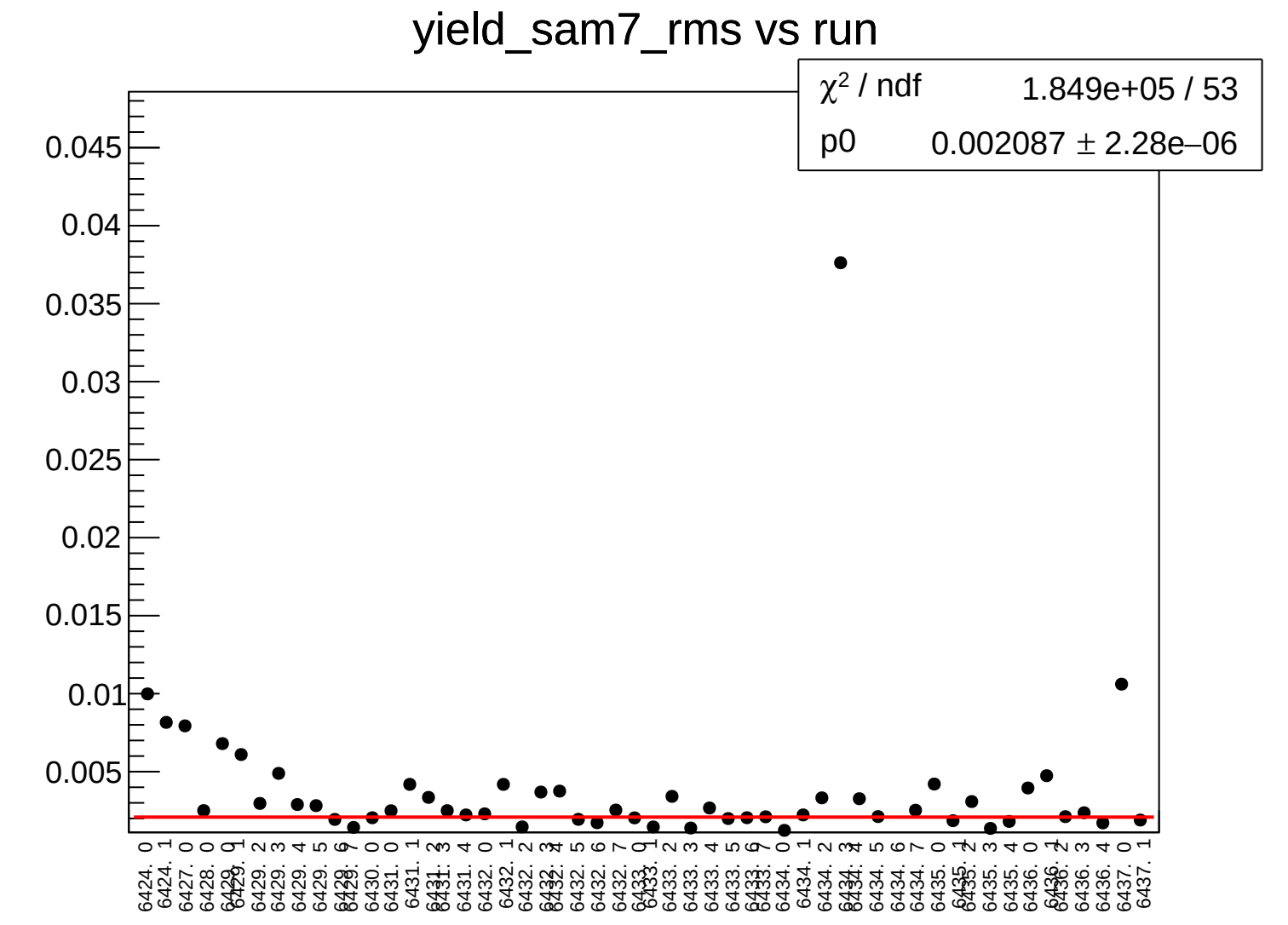

yield_sam6_mean vs run
χ² / ndf 1.236e+07 / 53
p0 10.16 ± 2.077e−05
10.3
10.25
10.2
10.15
10.1
10.05
10
9.95
9.9
pull
Entries 54
Mean 873.7
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

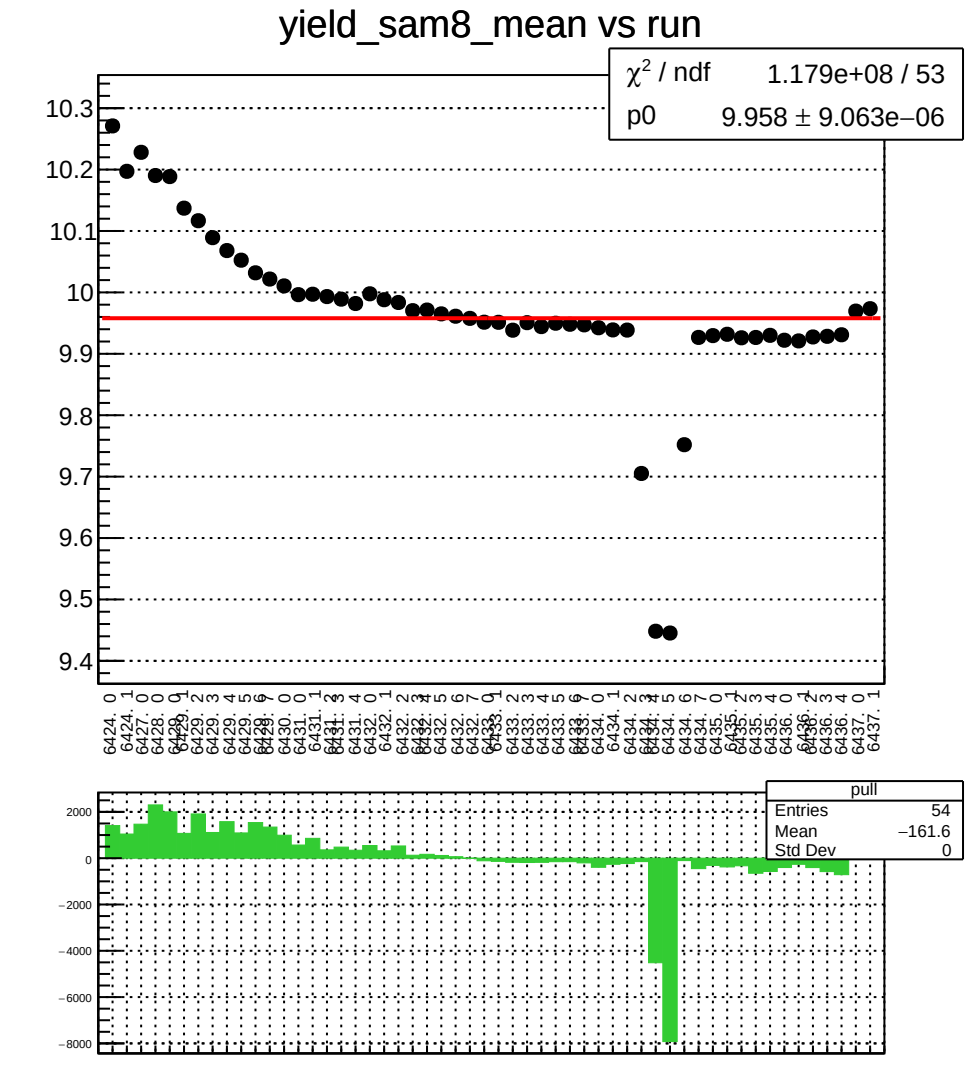

pull1D
Entries 54
Mean −1.857
Std Dev 4.503
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

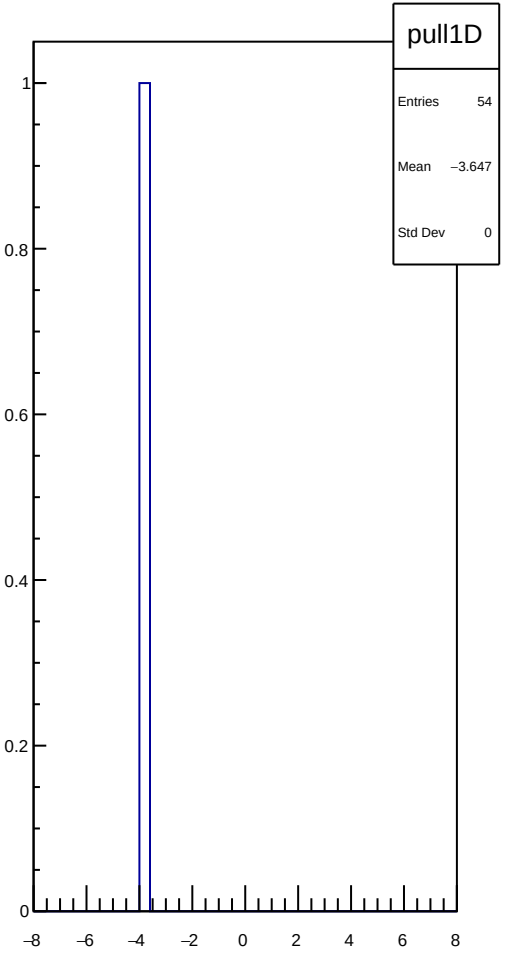

yield_sam6_rms vs run
χ² / ndf 1.008e+05 / 53
p0 0.0141 ± 1.469e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

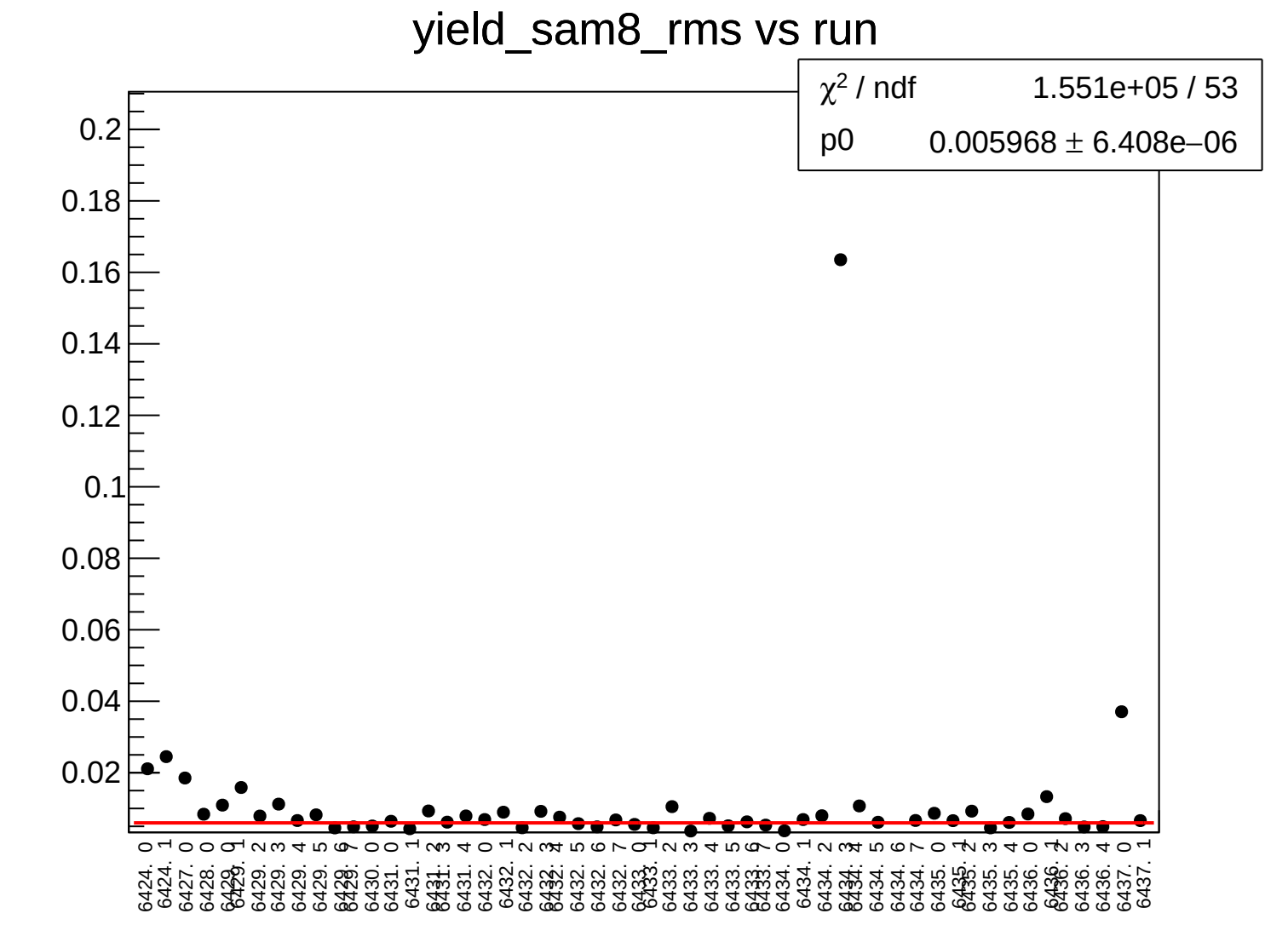

yield_sam7_mean vs run
χ² / ndf 6.561e+07 / 53
p0 2.763 ± 3.224e−06
2.85
2.8
2.75
2.7
2.65
pull
Entries 54
Mean −76.08
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000

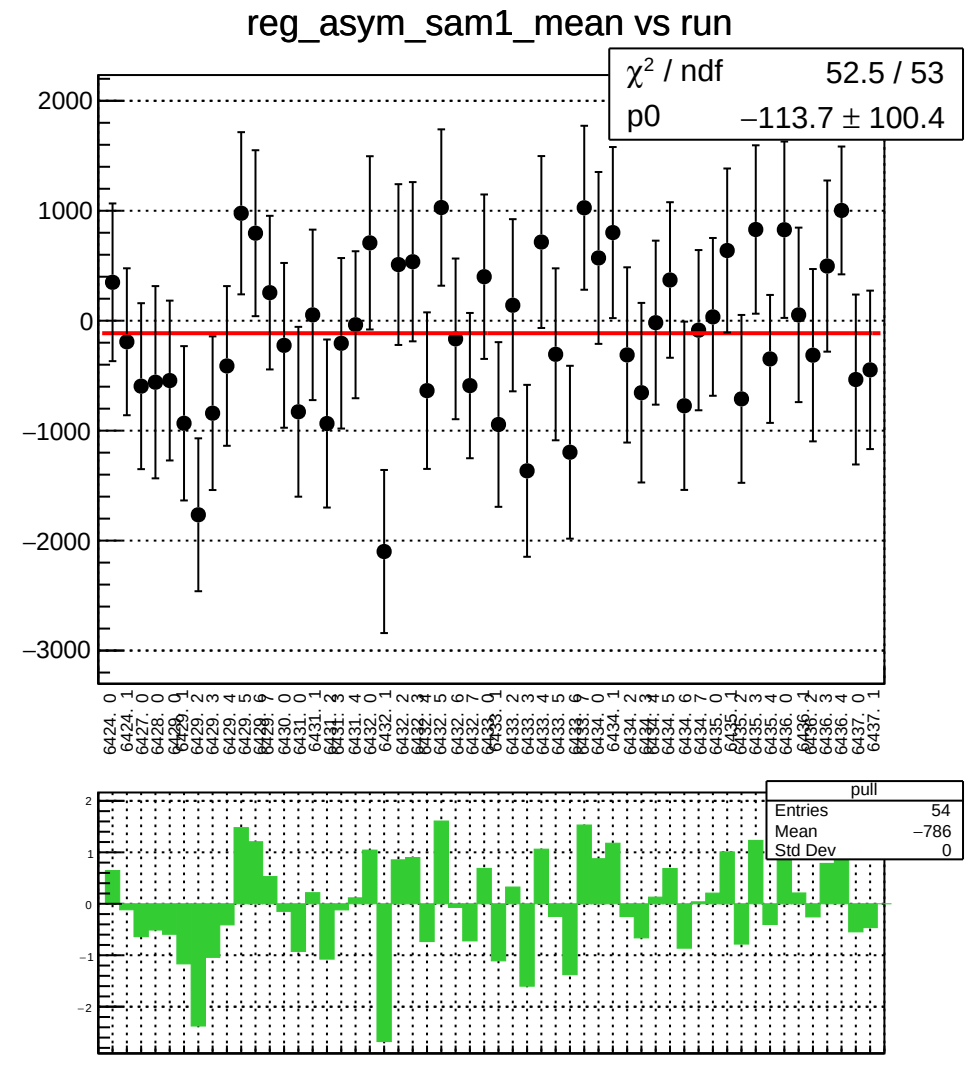

pull1D
Entries 54
Mean 1.385
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

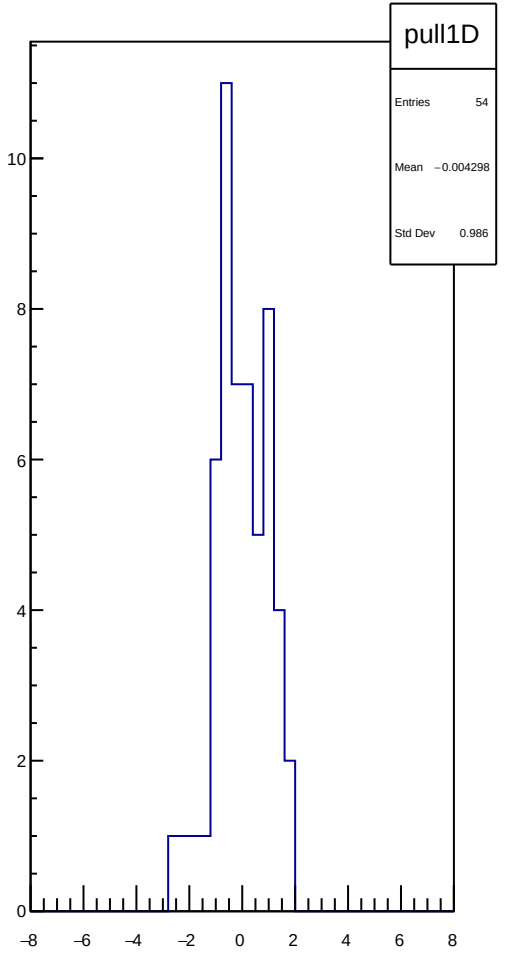

yield_sam7_rms vs run
χ² / ndf 1.849e+05 / 53
p0 0.002087 ± 2.28e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

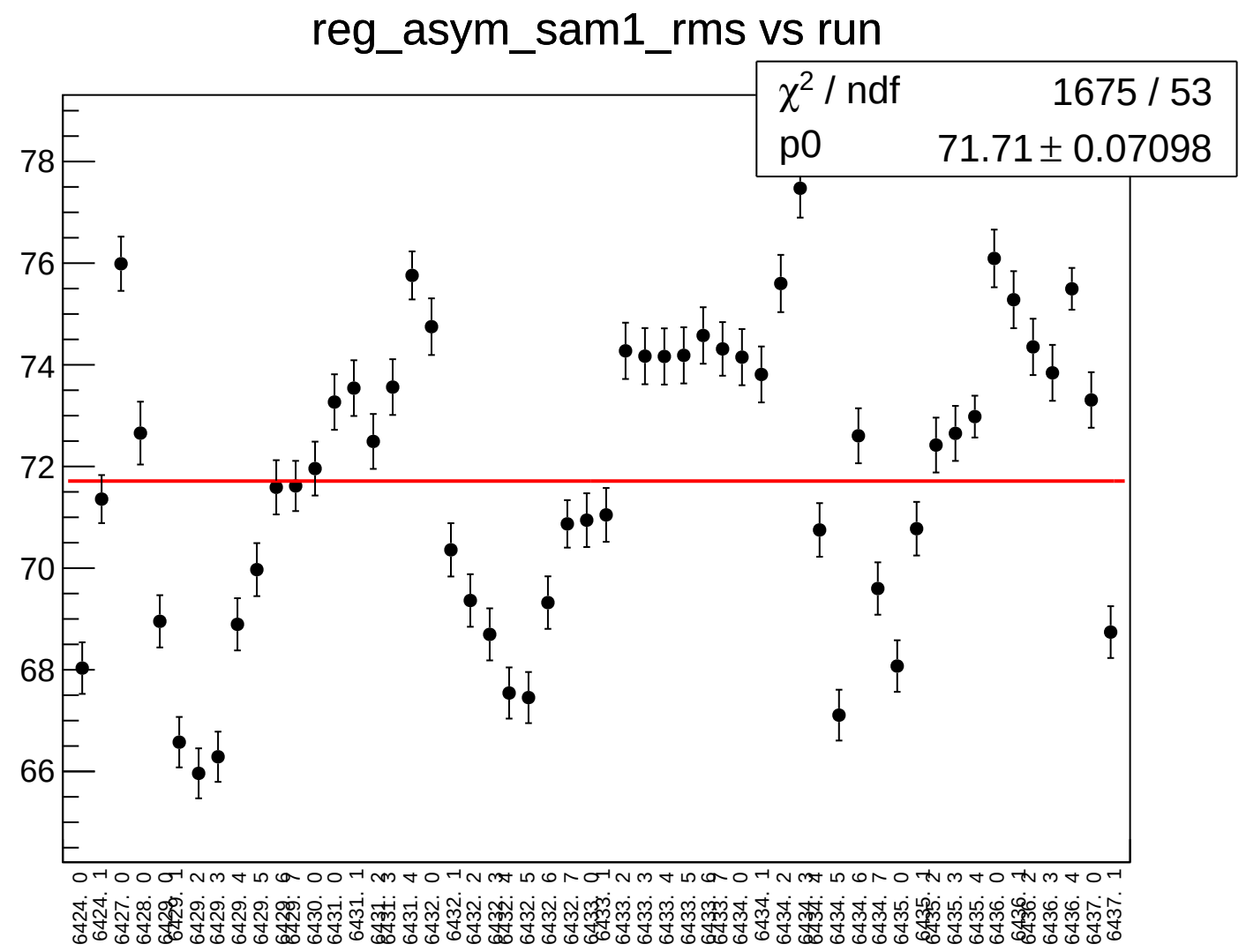

yield_sam8_mean vs run
χ² / ndf 1.179e+08 / 53
p0 9.958 ± 9.063e−06
pull
Entries 54
Mean −161.6
Std Dev 0

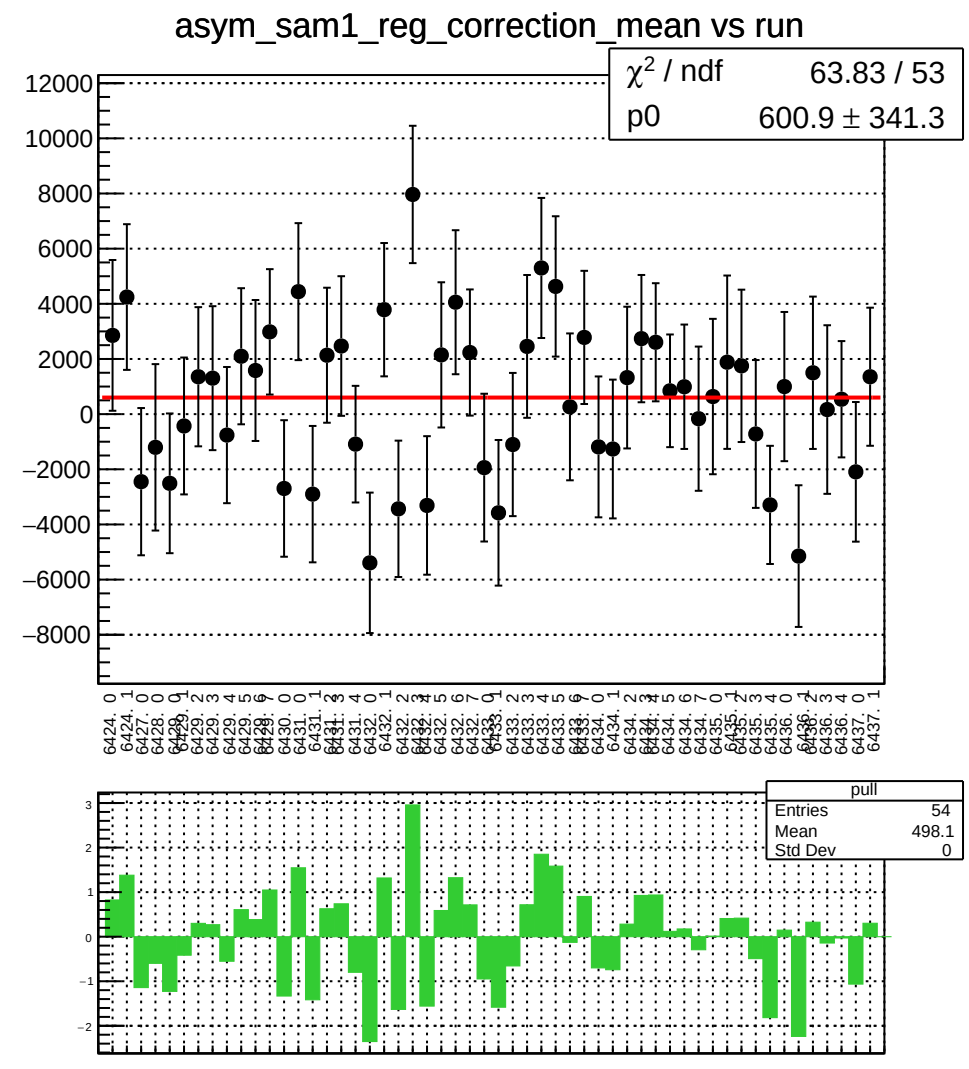

pull1D
Entries 54
Mean −3.647
Std Dev 0

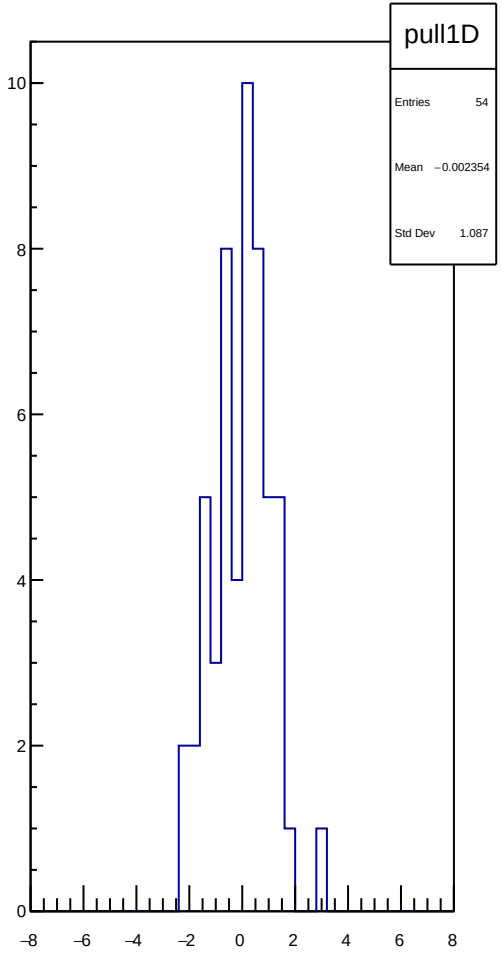

yield_sam8_rms vs run
χ² / ndf 1.551e+05 / 53
p0 0.005968 ± 6.408e−06
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

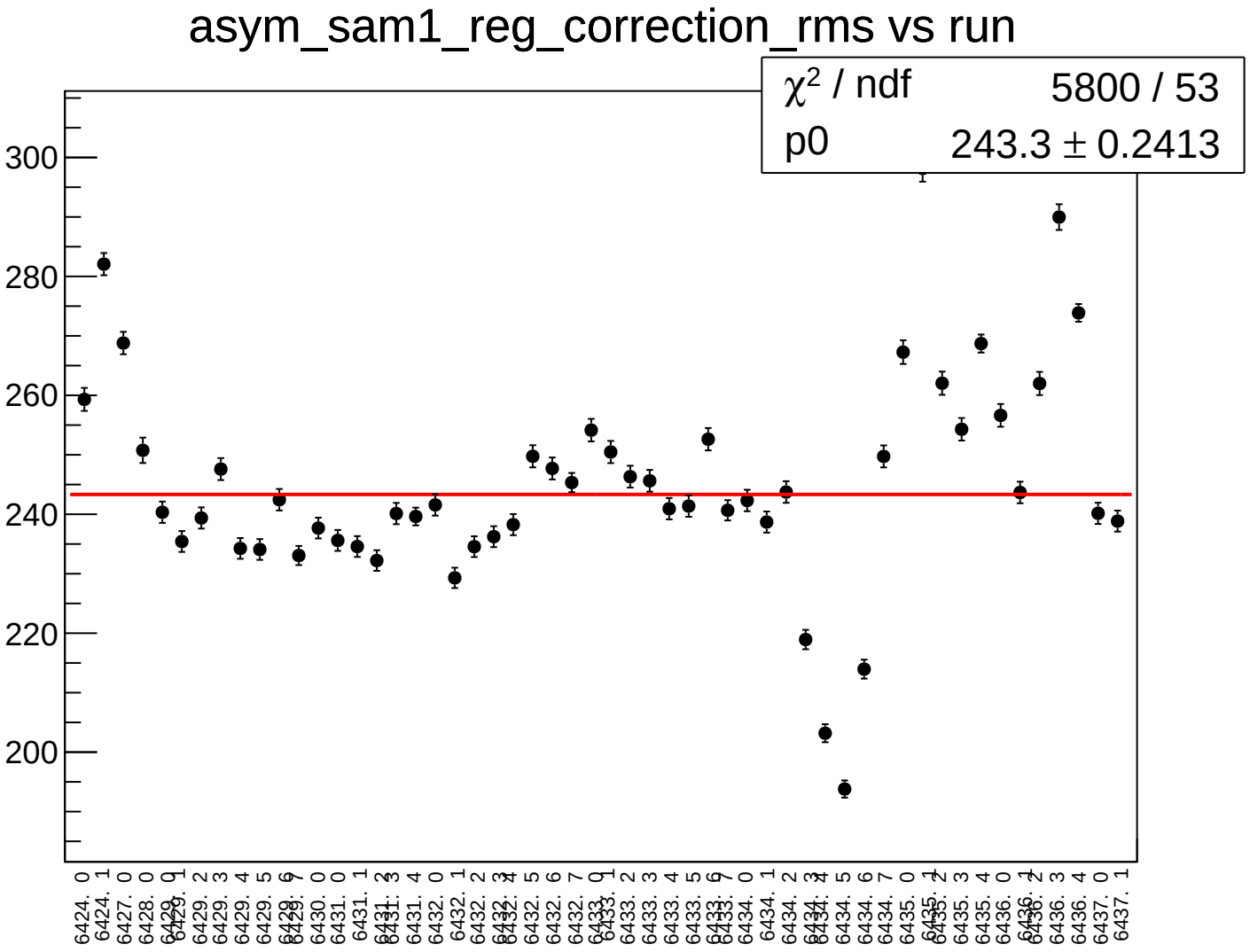

reg_asym_sam1_mean vs run
χ² / ndf 52.5 / 53
p0 −113.7 ± 100.4
pull
Entries 54
Mean −786
Std Dev 0

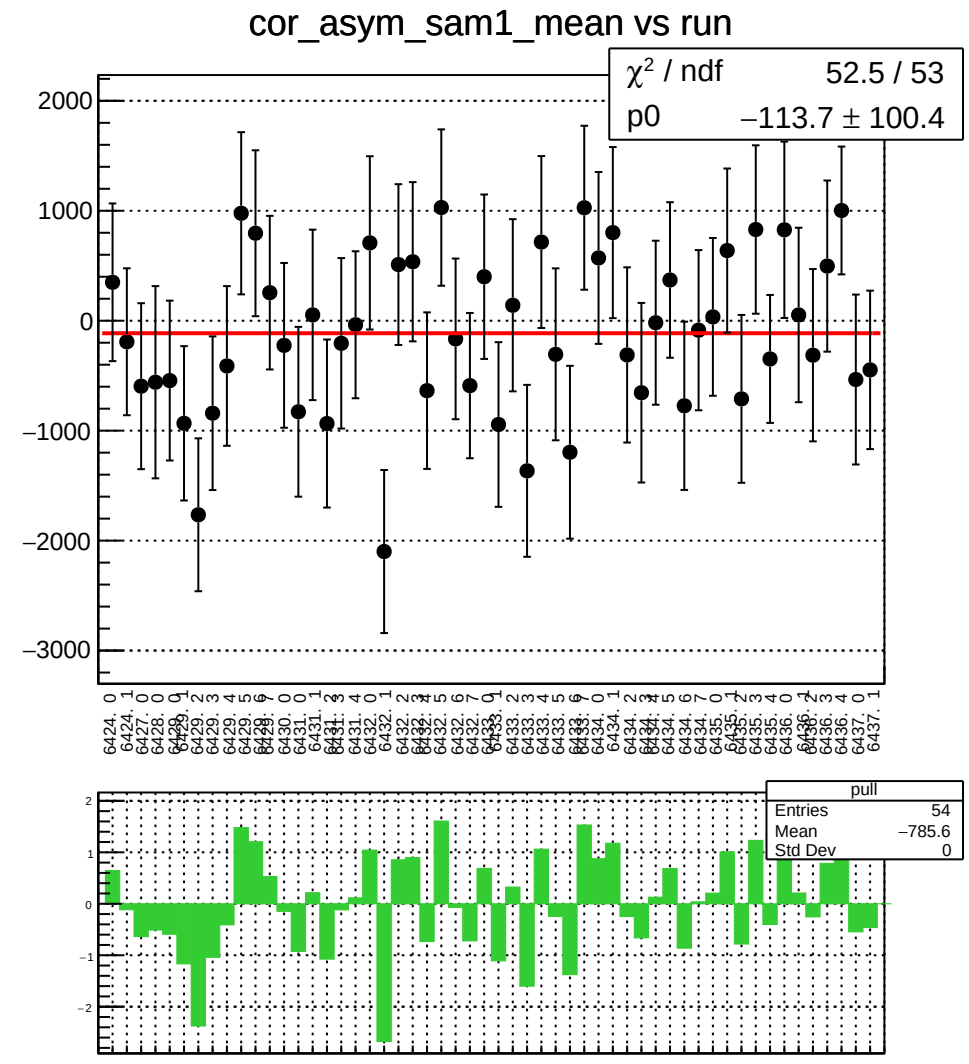

pull1D
Entries 54
Mean −0.004298
Std Dev 0.986

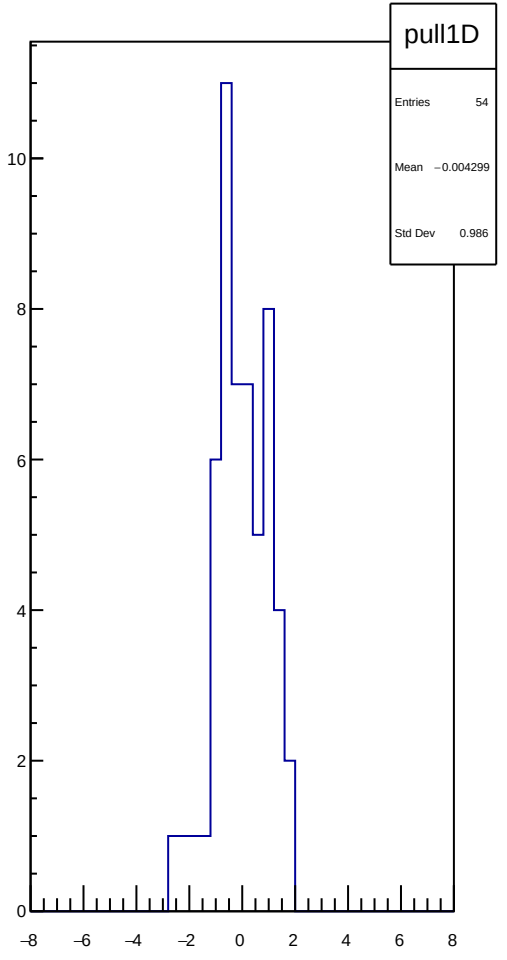

reg_asym_sam1_rms vs run
χ^2 / ndf 1675 / 53
p0 71.71 ± 0.07098
78
76
74
72
70
68
66
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

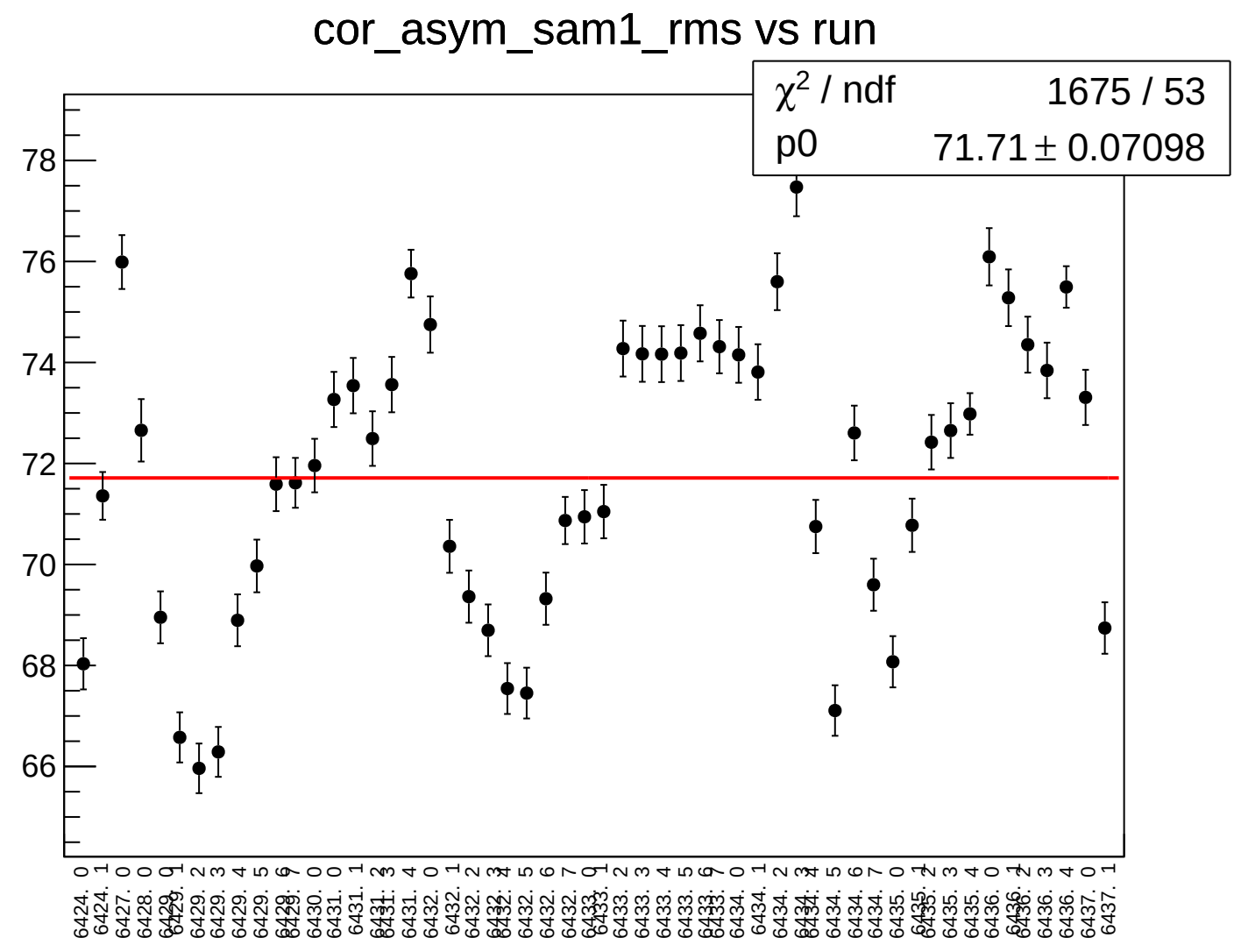

asym_sam1_reg_correction_mean vs run
χ² / ndf 63.83 / 53
p0 600.9 ± 341.3
pull
Entries 54
Mean 498.1
Std Dev 0


pull1D
Entries 54
Mean −0.002354
Std Dev 1.087


asym_sam1_reg_correction_rms vs run
χ² / ndf 5800 / 53
p0 243.3 ± 0.2413
300
280
260
240
220
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam1_mean vs run
χ² / ndf 52.5 / 53
p0 −113.7 ± 100.4
pull
Entries 54
Mean −785.6
Std Dev 0


pull1D
Entries 54
Mean −0.004299
Std Dev 0.986


cor_asym_sam1_rms vs run
χ² / ndf 1675 / 53
p0 71.71 ± 0.07098
78
76
74
72
70
68
66
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
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6433. 2
6433. 3
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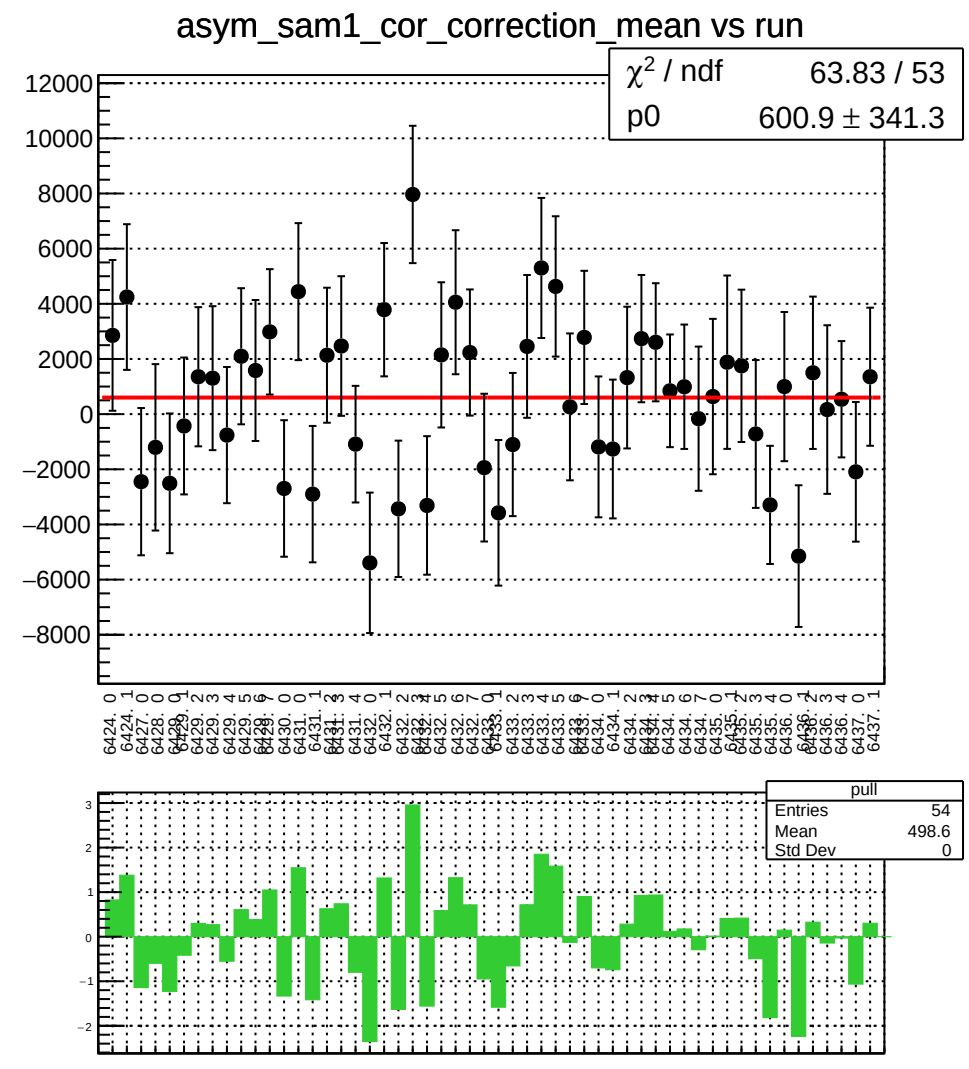
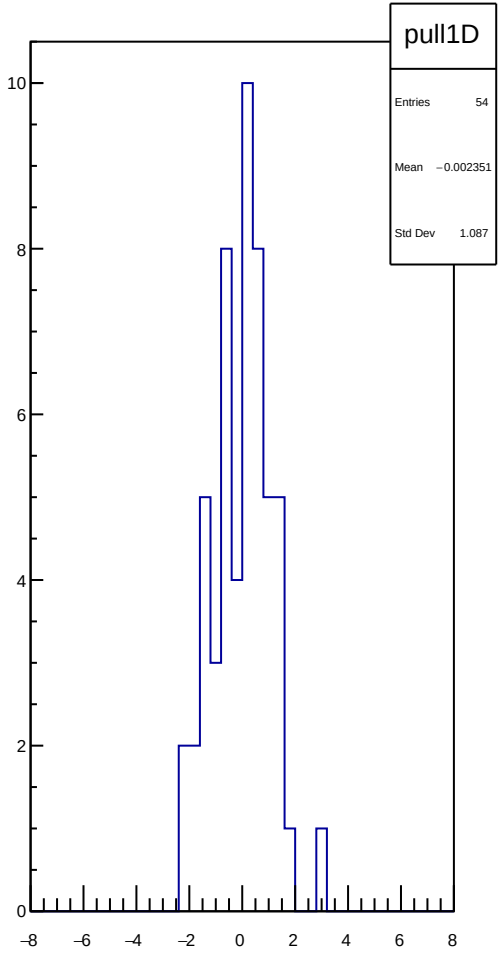
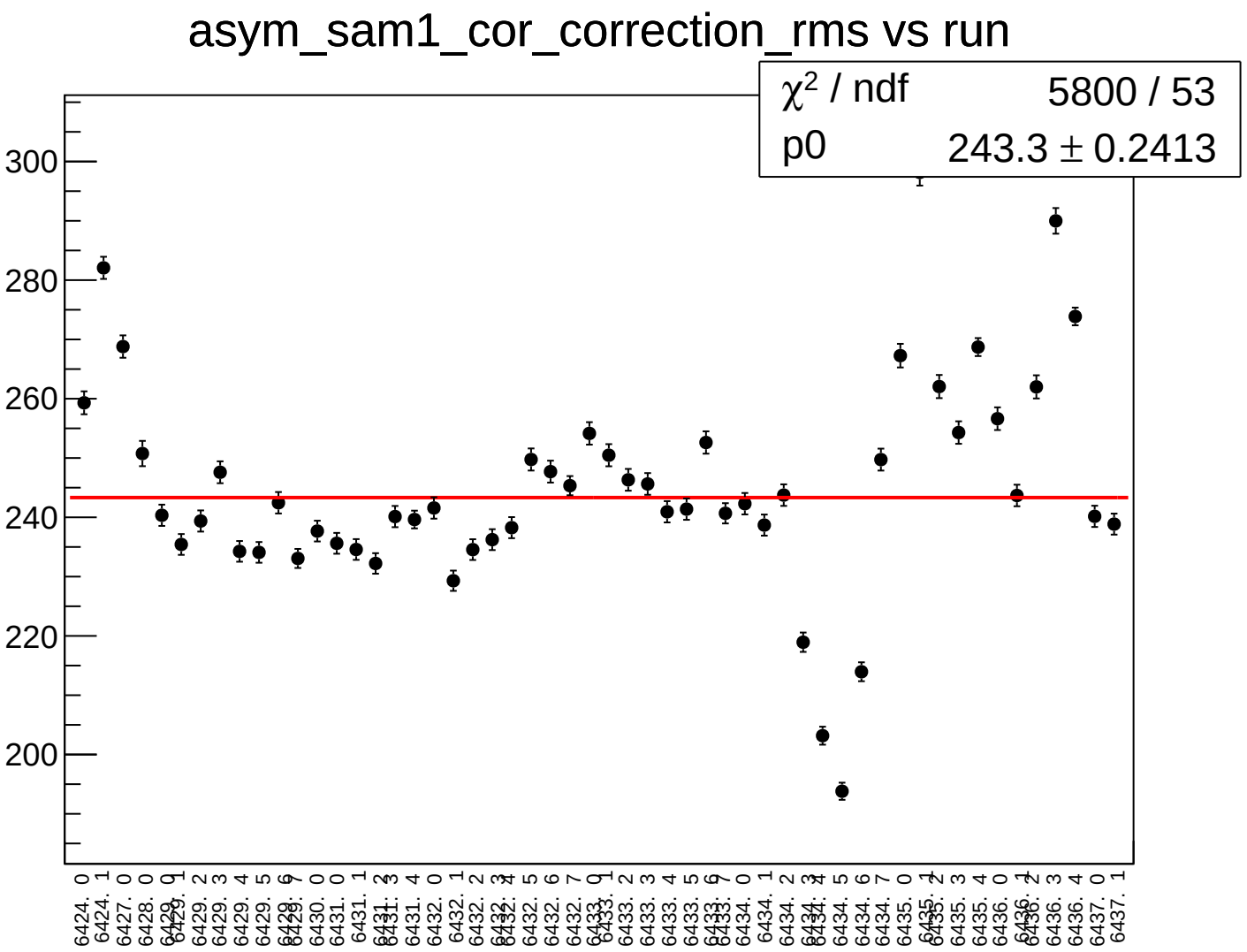
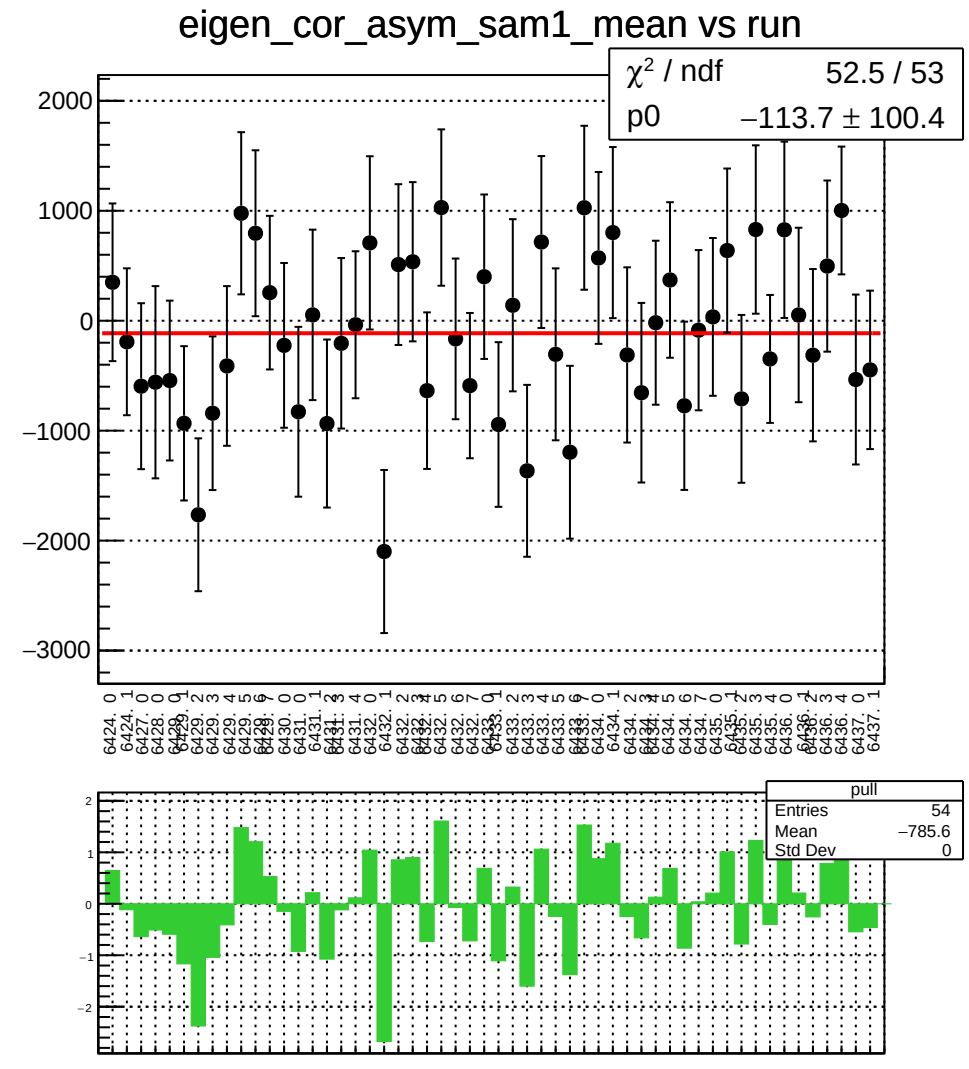
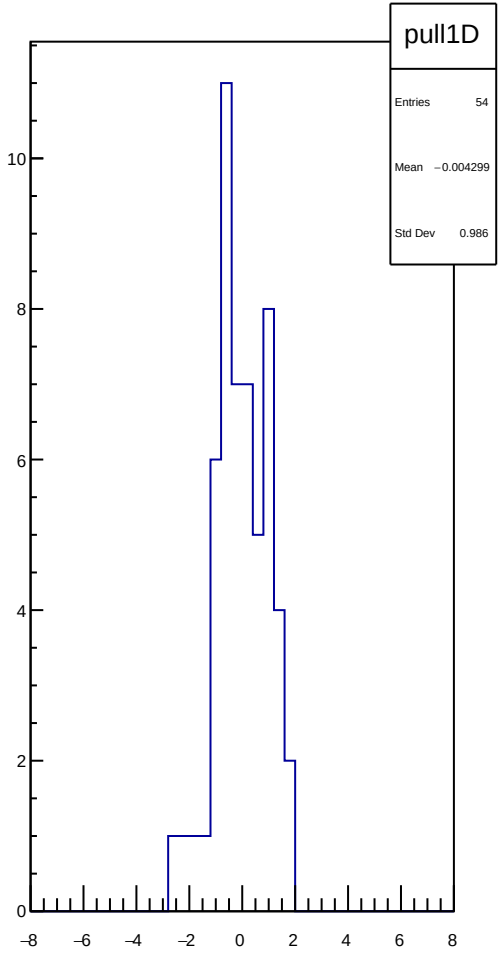
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

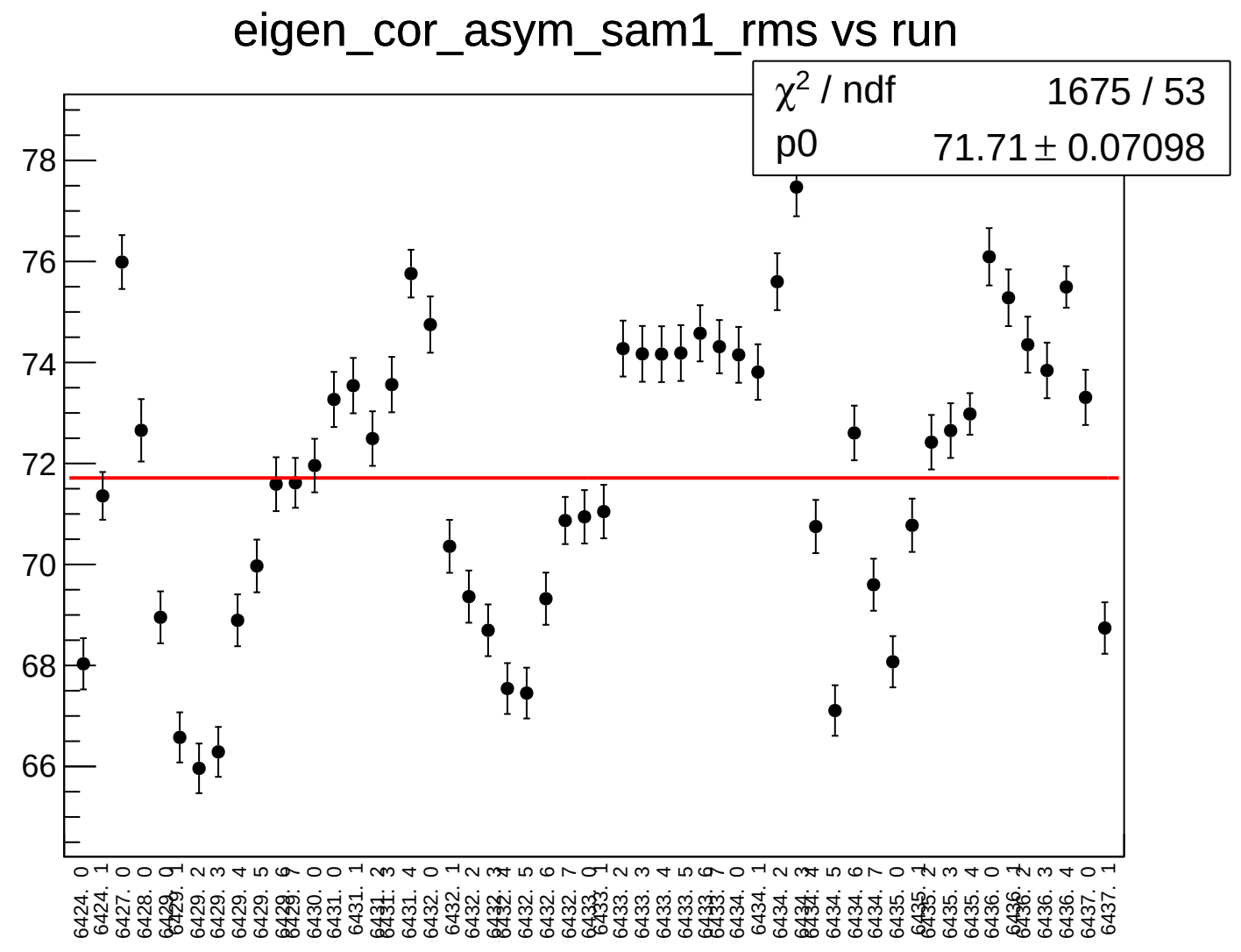

asym_sam1_cor_correction_mean vs run
χ² / ndf 63.83 / 53
p0 600.9 ± 341.3
pull
Entries 54
Mean 498.6
Std Dev 0

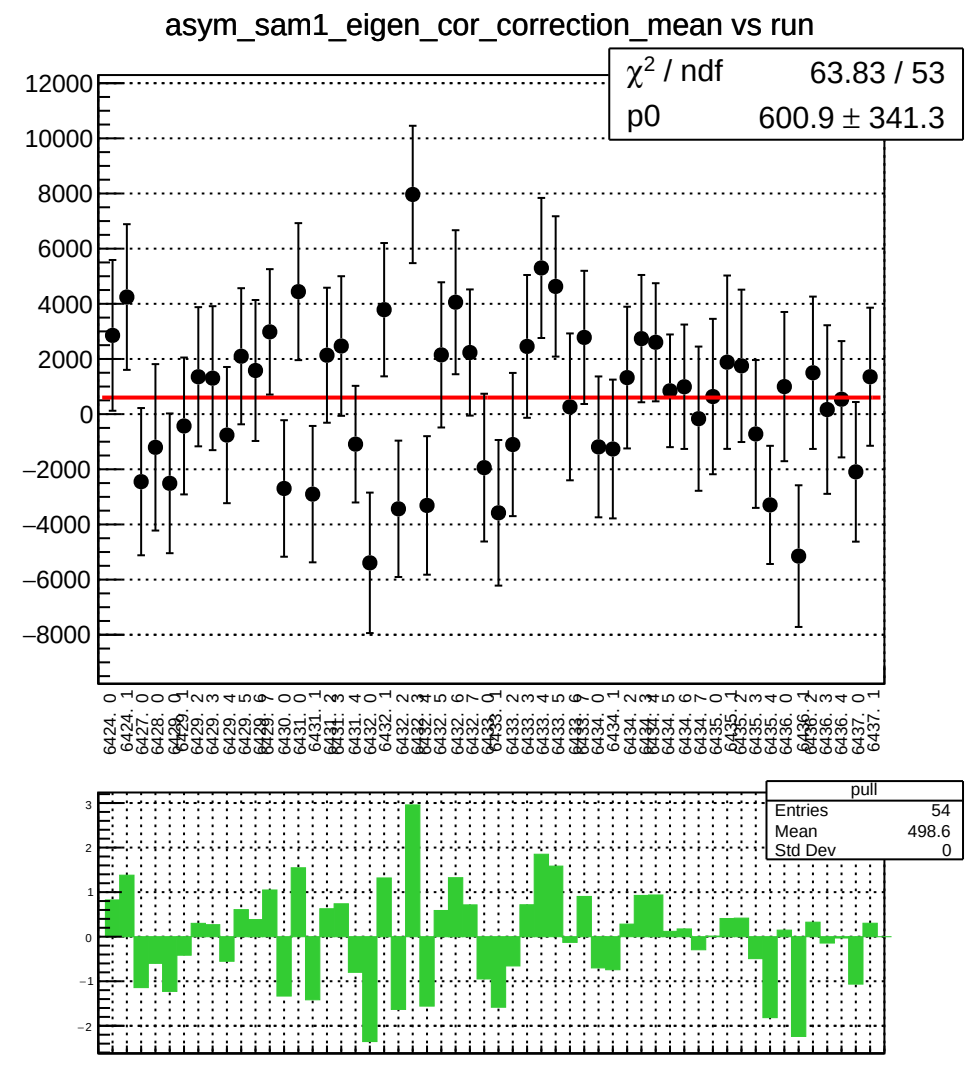

pull1D
Entries 54
Mean −0.002351
Std Dev 1.087

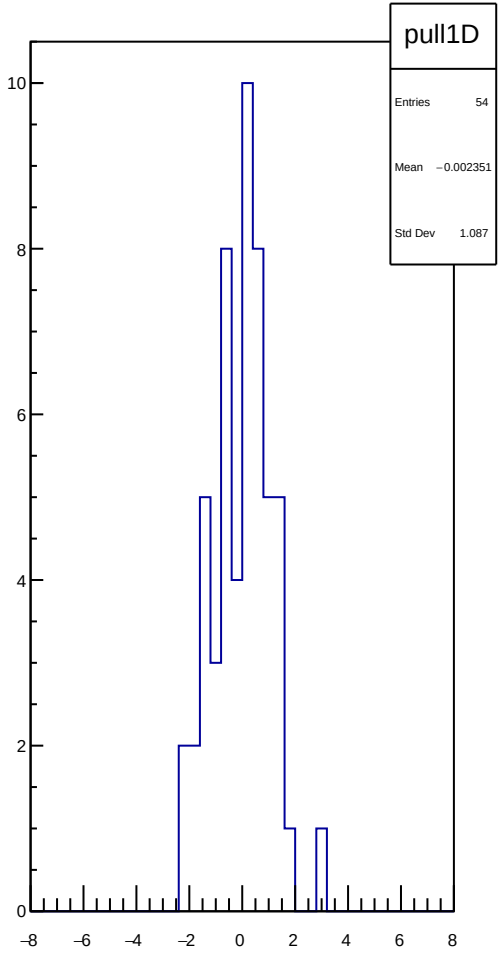

asym_sam1_cor_correction_rms vs run
χ² / ndf 5800 / 53
p0 243.3 ± 0.2413
300
280
260
240
220
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

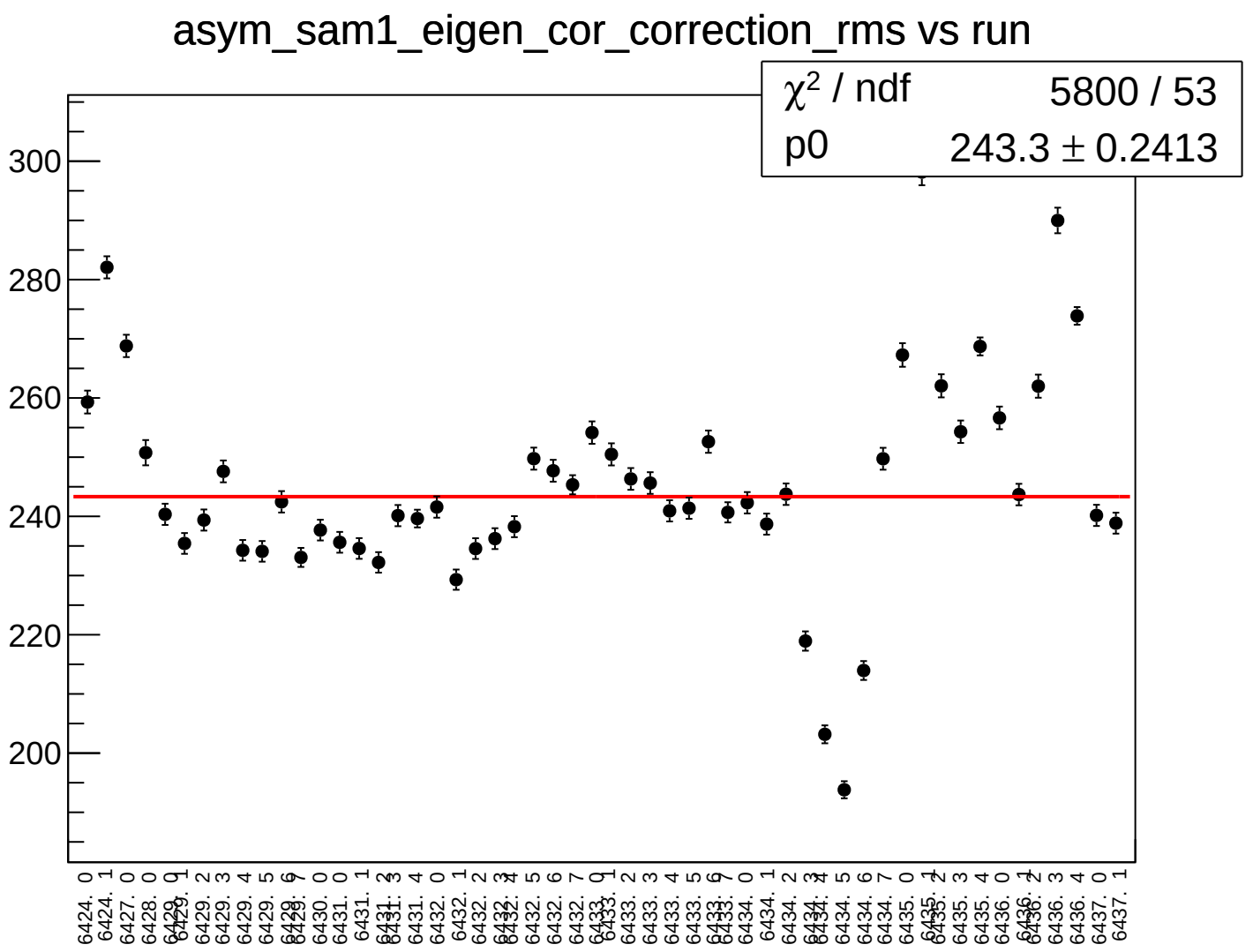

eigen_cor_asym_sam1_mean vs run
χ² / ndf 52.5 / 53
p0 −113.7 ± 100.4
pull
Entries 54
Mean −785.6
Std Dev 0

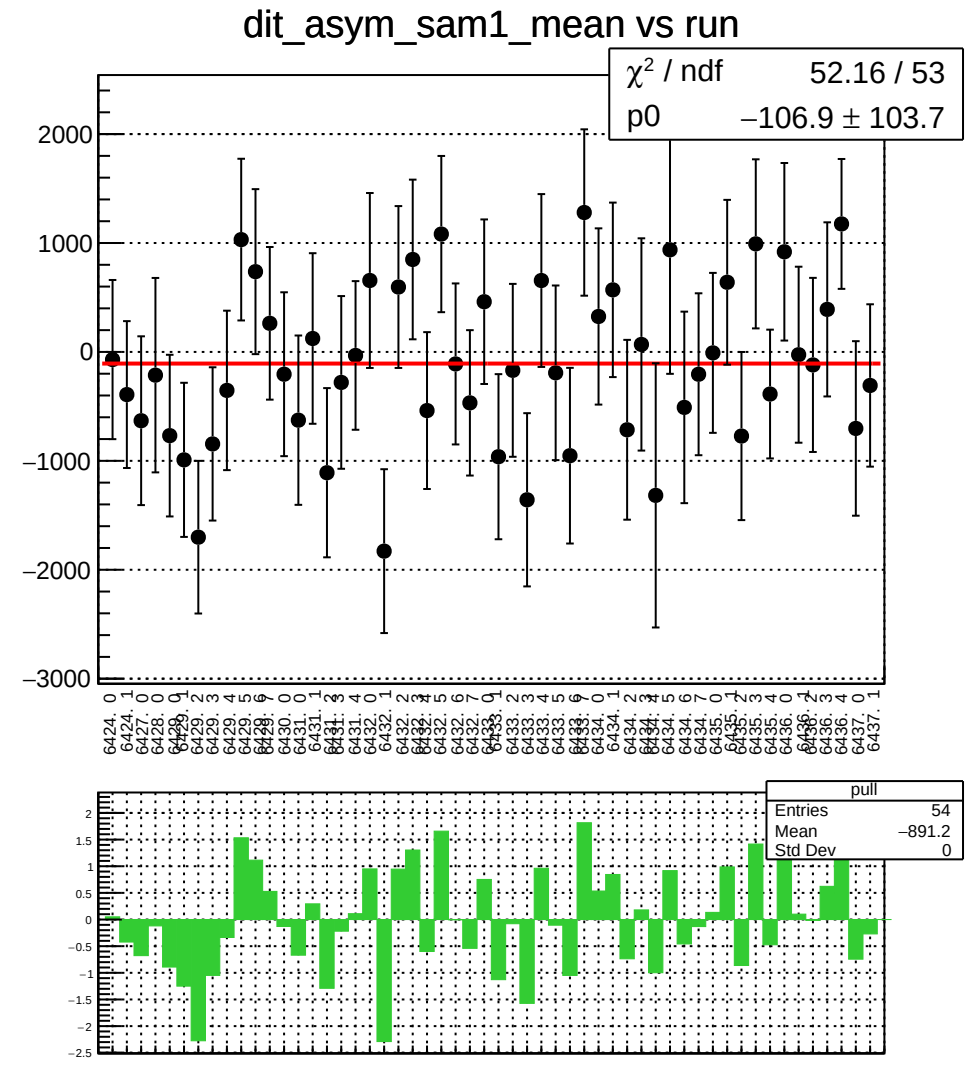

pull1D
Entries 54
Mean −0.004299
Std Dev 0.986

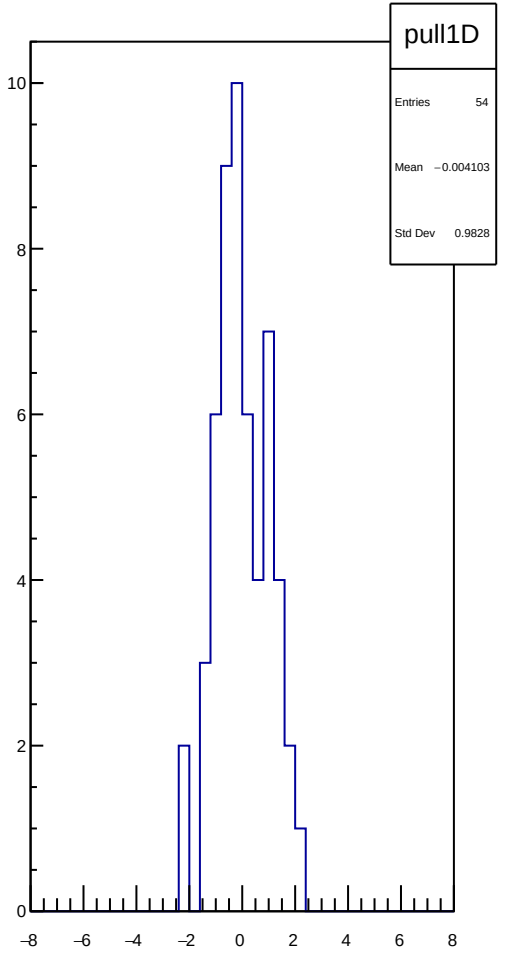

eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 1675 / 53
p0 71.71 ± 0.07098
78
76
74
72
70
68
66
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

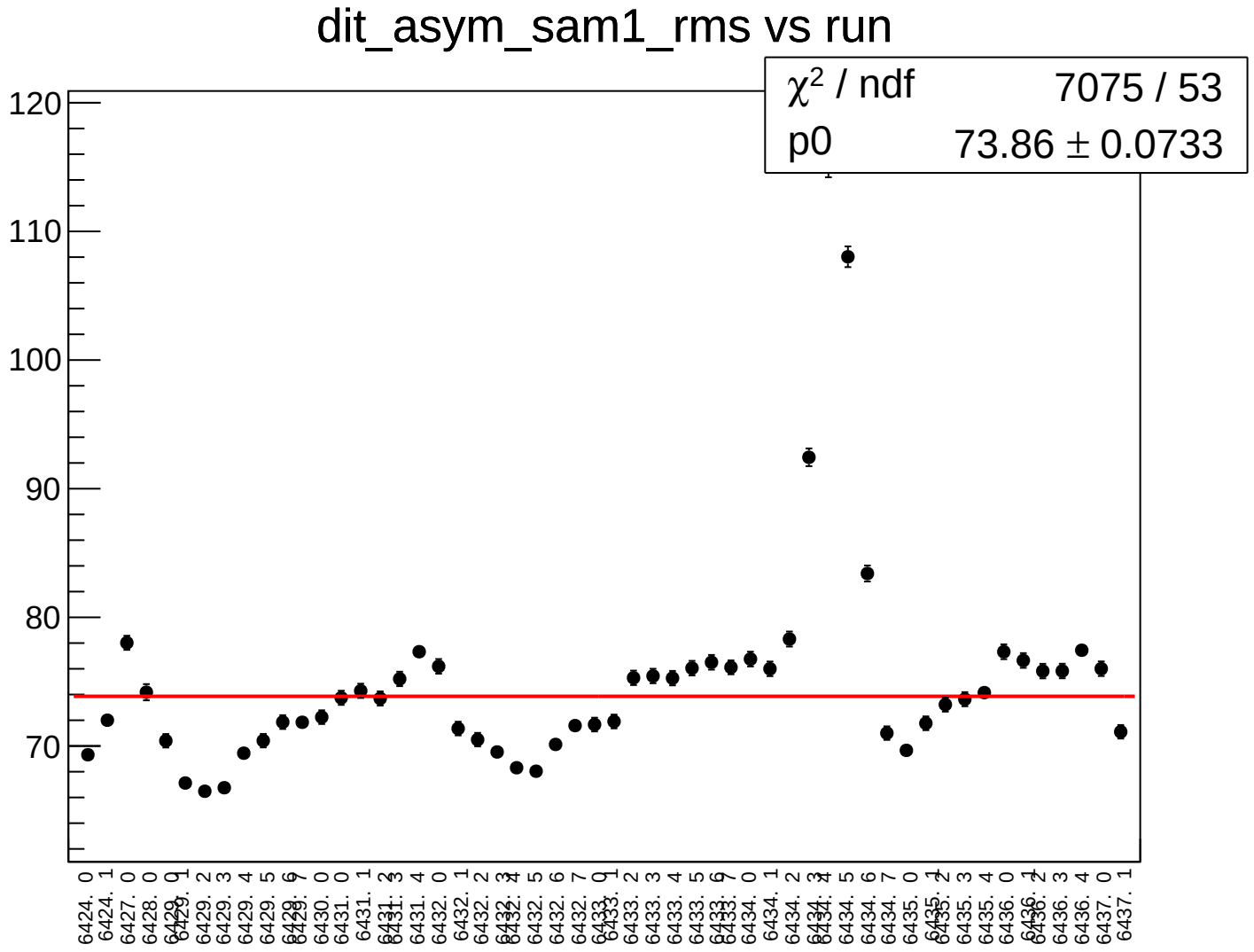

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 63.83 / 53
p0 600.9 ± 341.3
pull
Entries 54
Mean 498.6
Std Dev 0

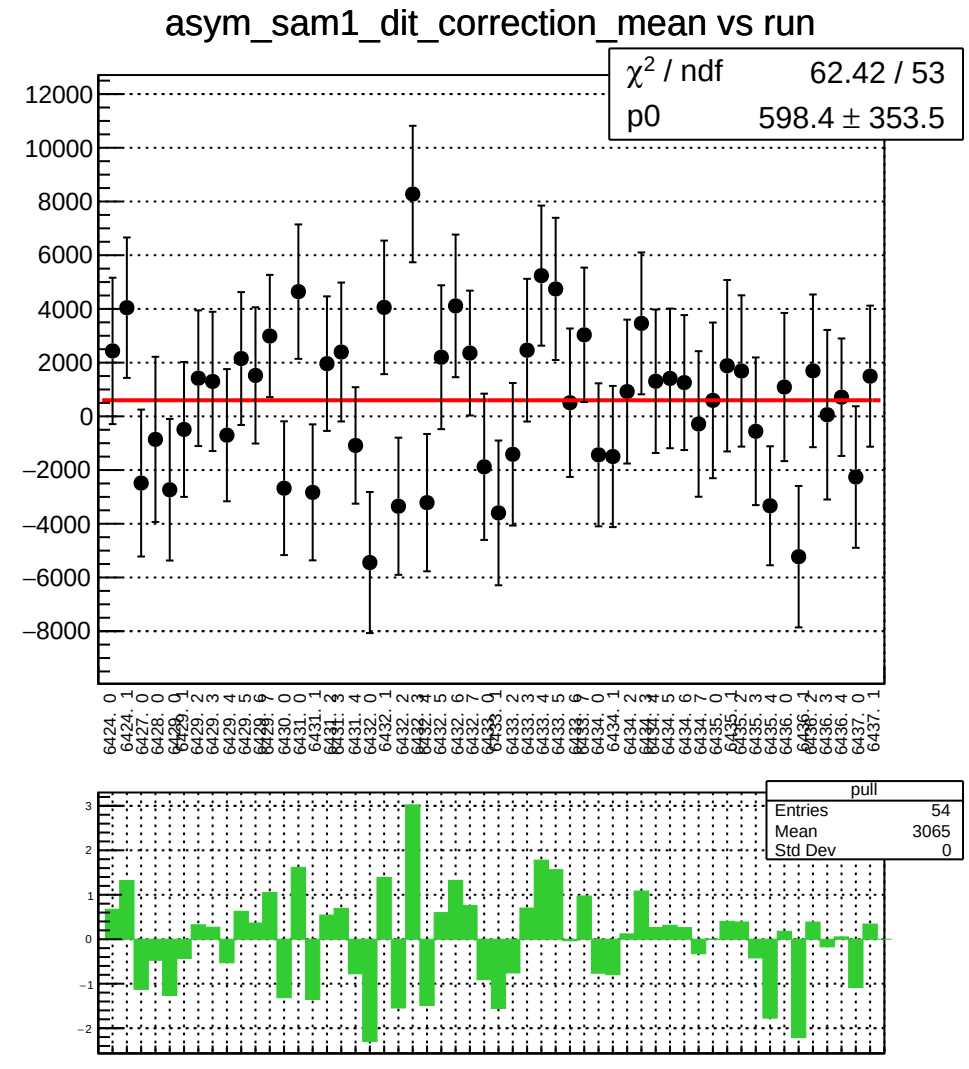

pull1D
Entries 54
Mean −0.002351
Std Dev 1.087

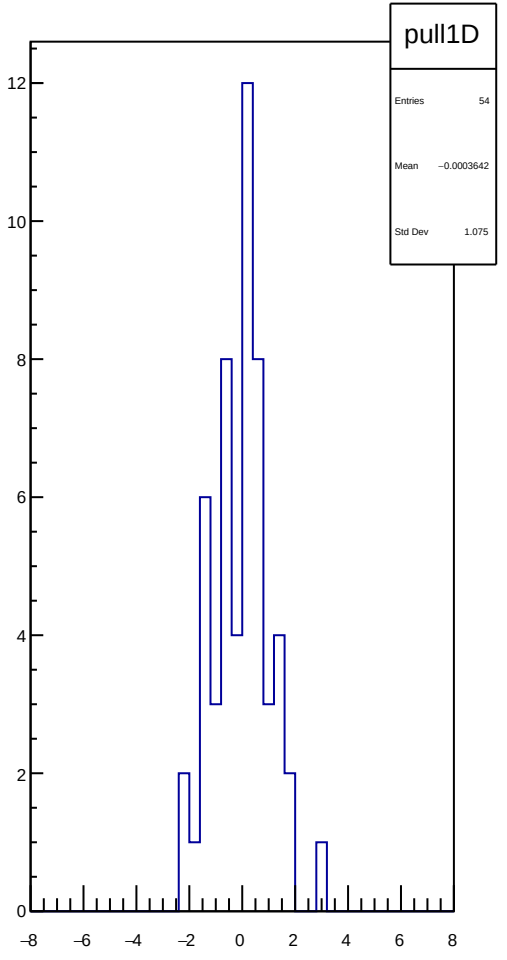

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 5800 / 53
p0 243.3 ± 0.2413
300
280
260
240
220
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

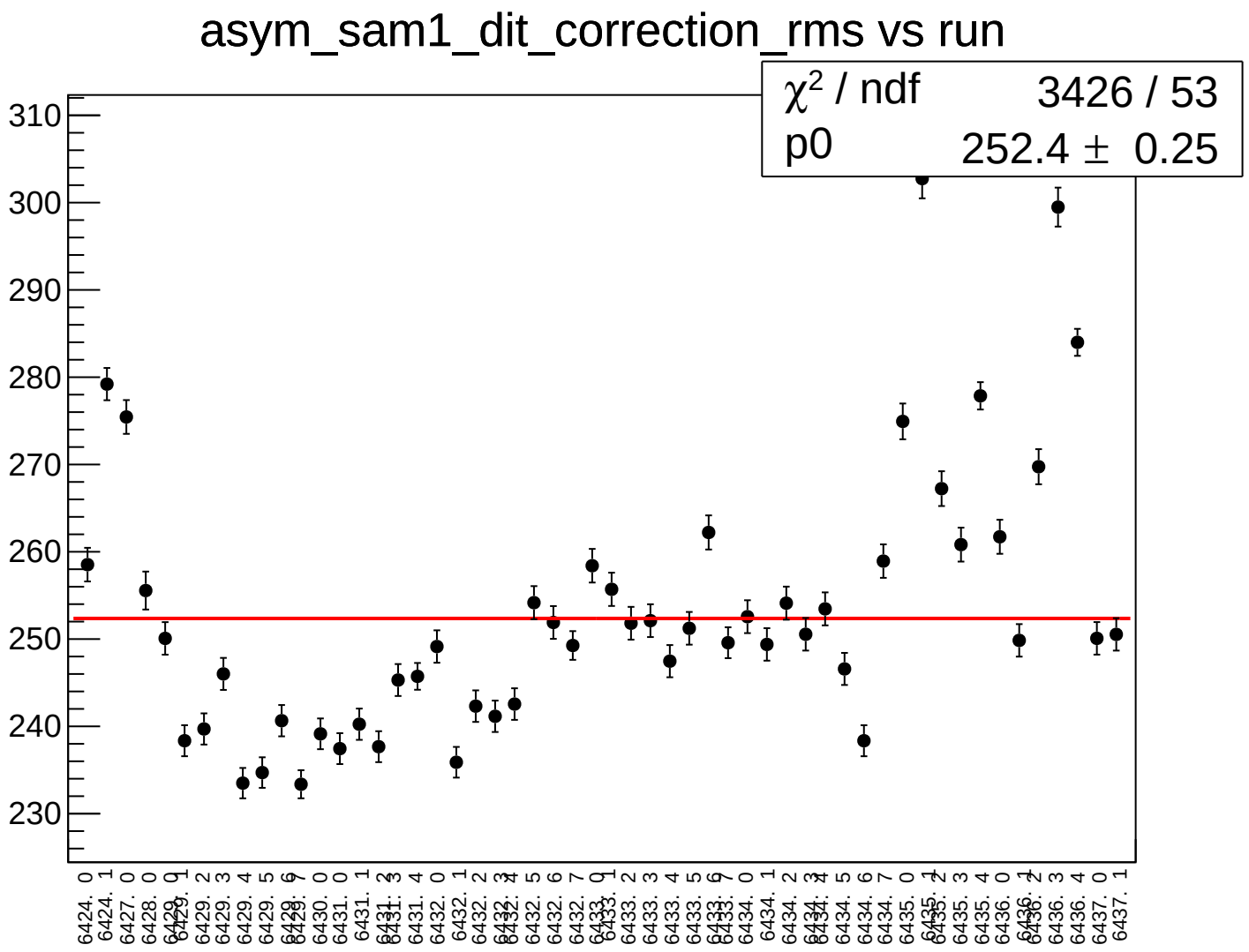

dit_asym_sam1_mean vs run
χ² / ndf 52.16 / 53
p0 −106.9 ± 103.7
pull
Entries 54
Mean −891.2
Std Dev 0

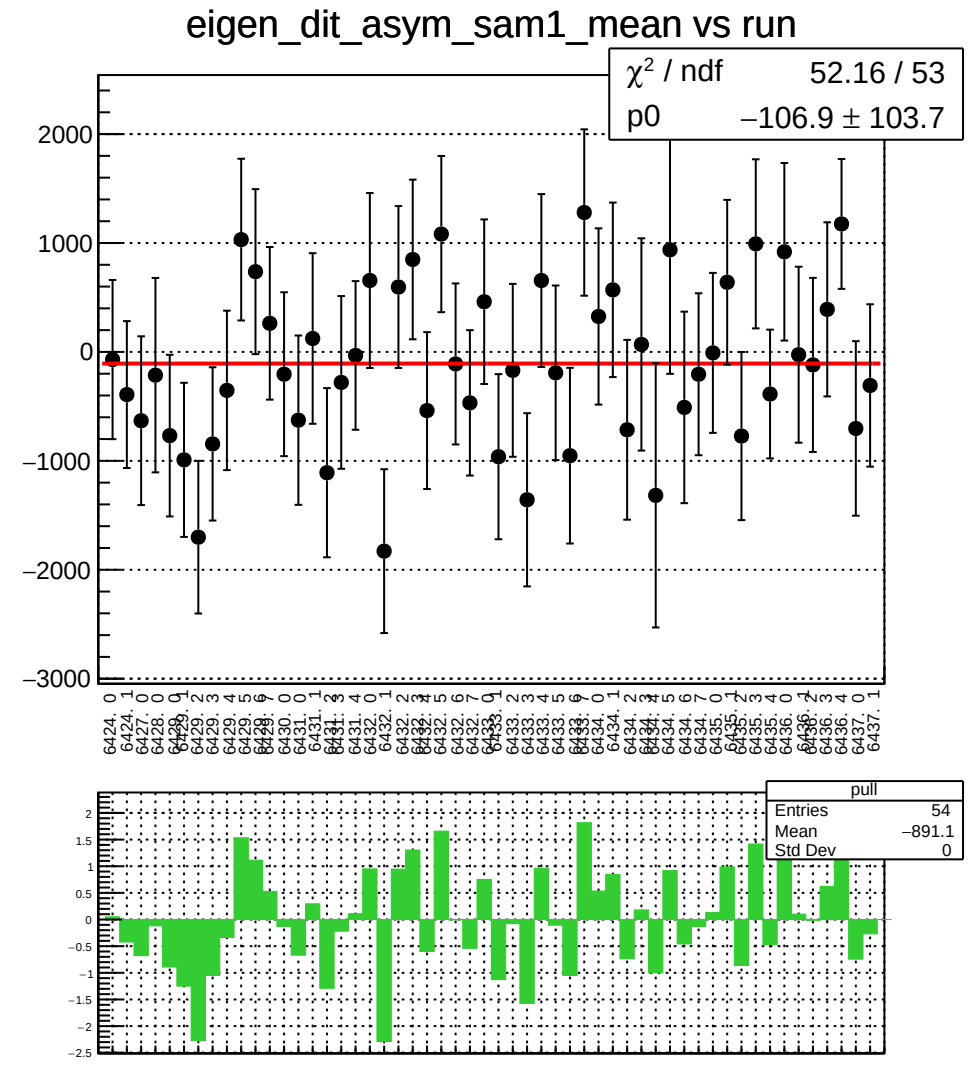

pull1D
Entries 54
Mean −0.004103
Std Dev 0.9828

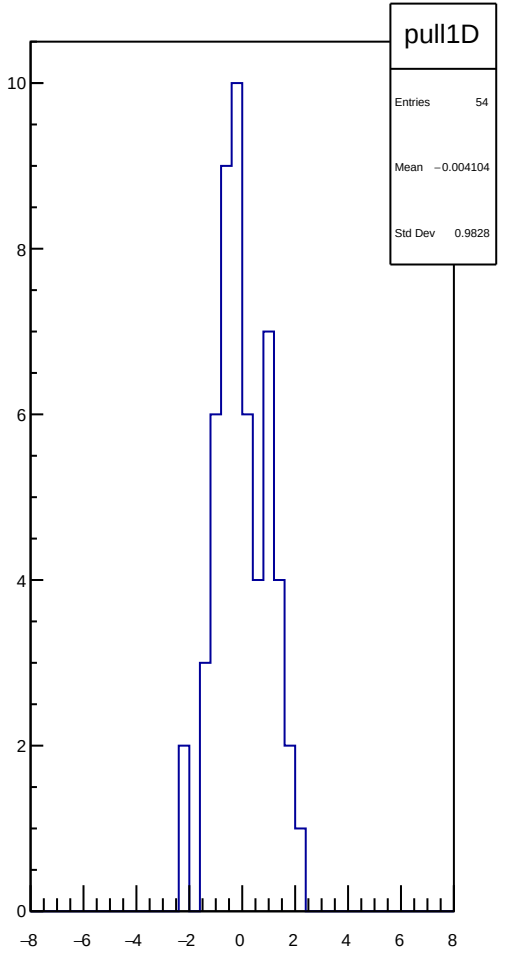

dit_asym_sam1_rms vs run
χ² / ndf 7075 / 53
p0 73.86 ± 0.0733
120
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

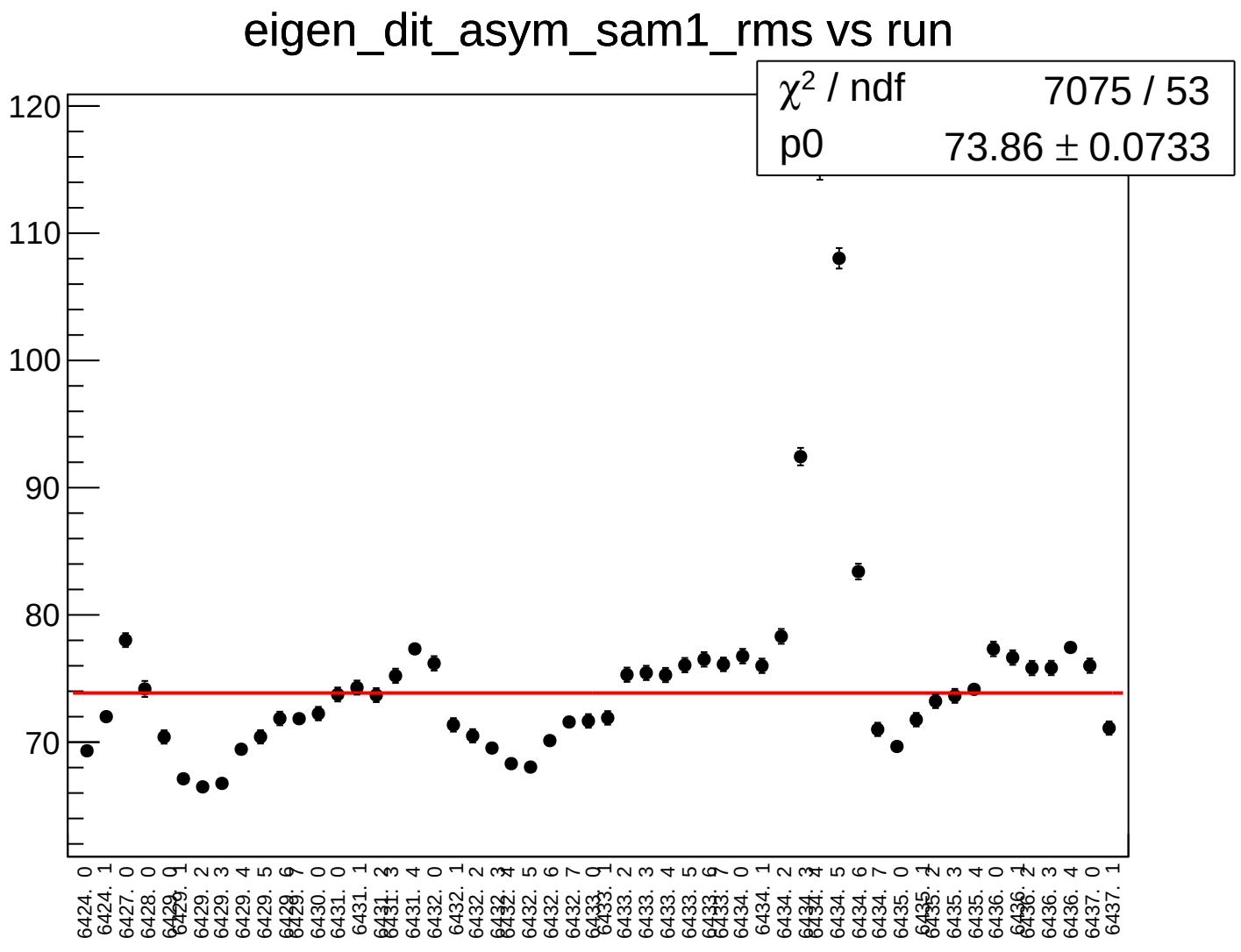

asym_sam1_dit_correction_mean vs run
χ² / ndf 62.42 / 53
p0 598.4 ± 353.5
pull
Entries 54
Mean 3065
Std Dev 0

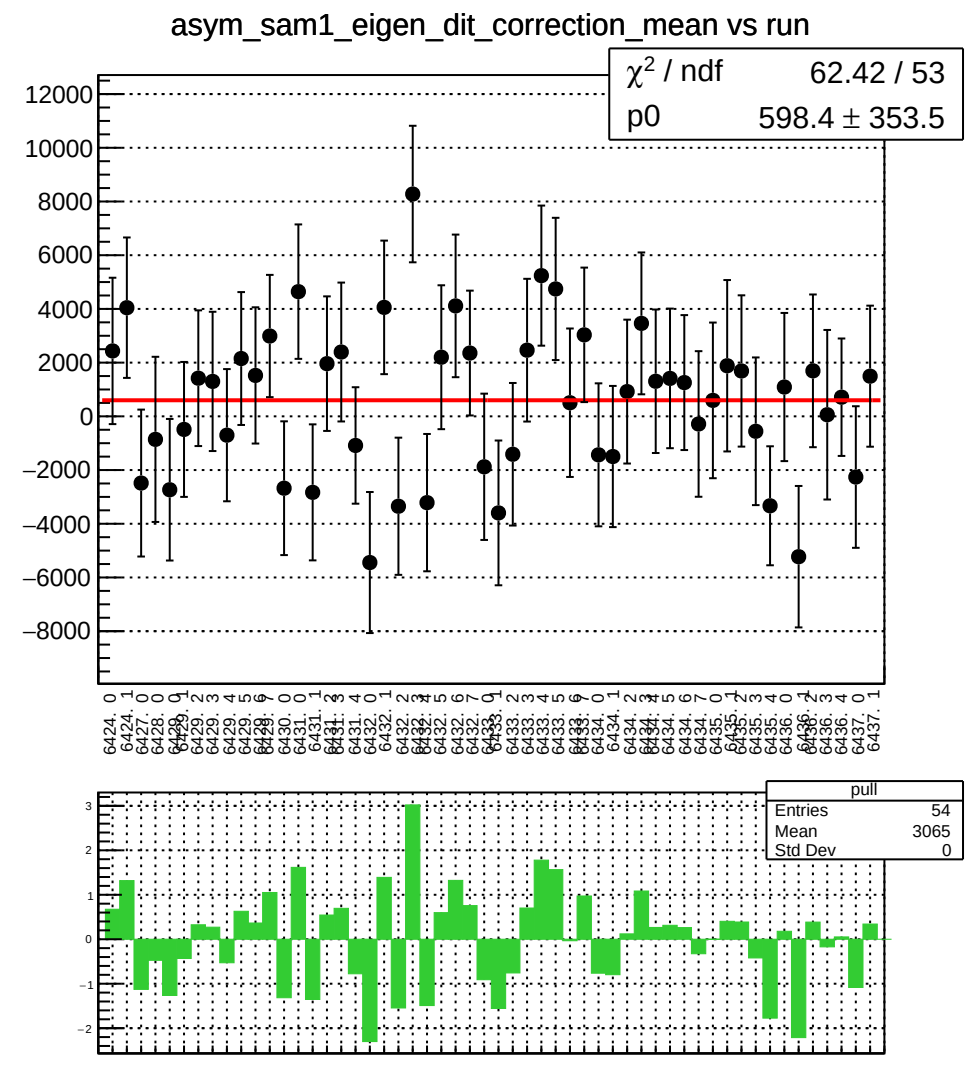

pull1D
Entries 54
Mean −0.0003642
Std Dev 1.075

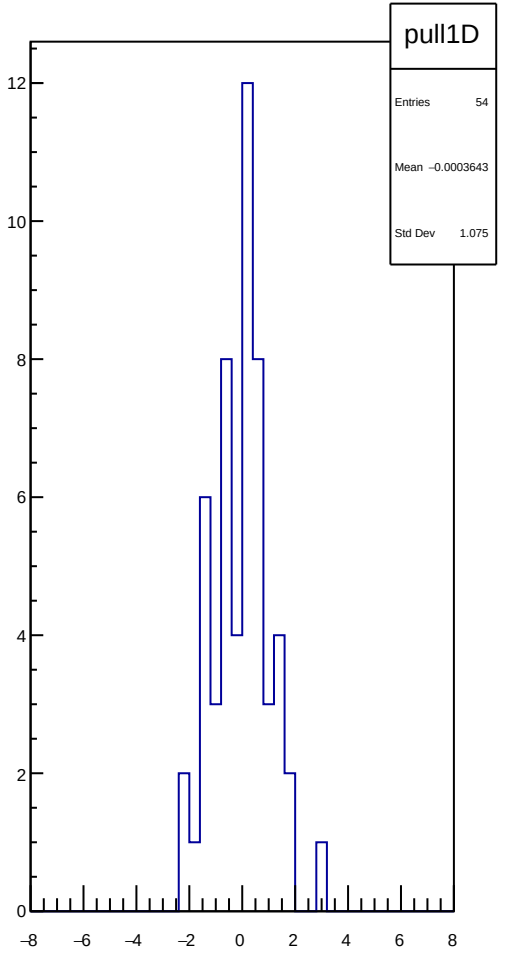

asym_sam1_dit_correction_rms vs run
χ² / ndf 3426 / 53
p0 252.4 ± 0.25
310
300
290
280
270
260
250
240
230
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

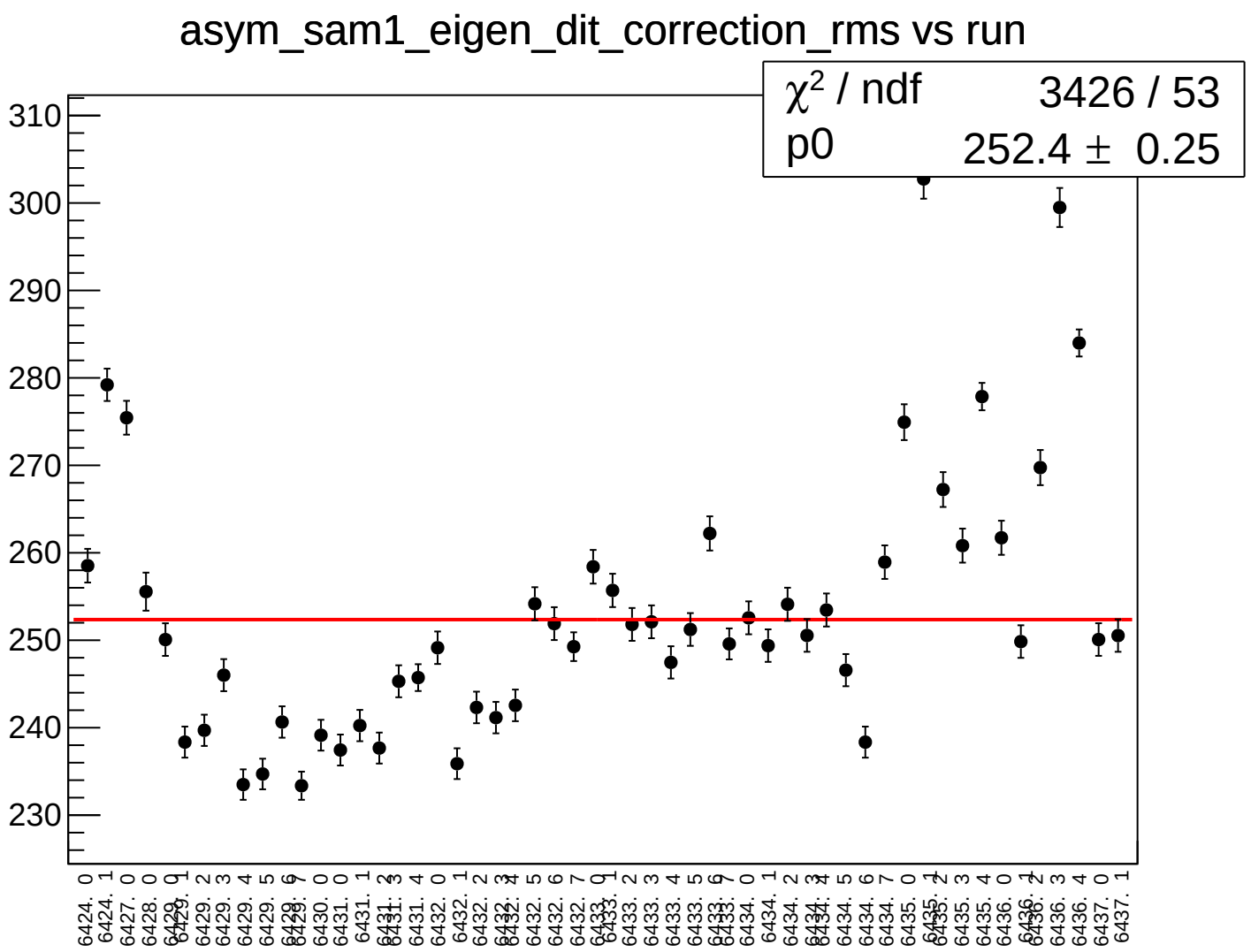

eigen_dit_asym_sam1_mean vs run
χ² / ndf 52.16 / 53
p0 −106.9 ± 103.7
pull
Entries 54
Mean −891.1
Std Dev 0

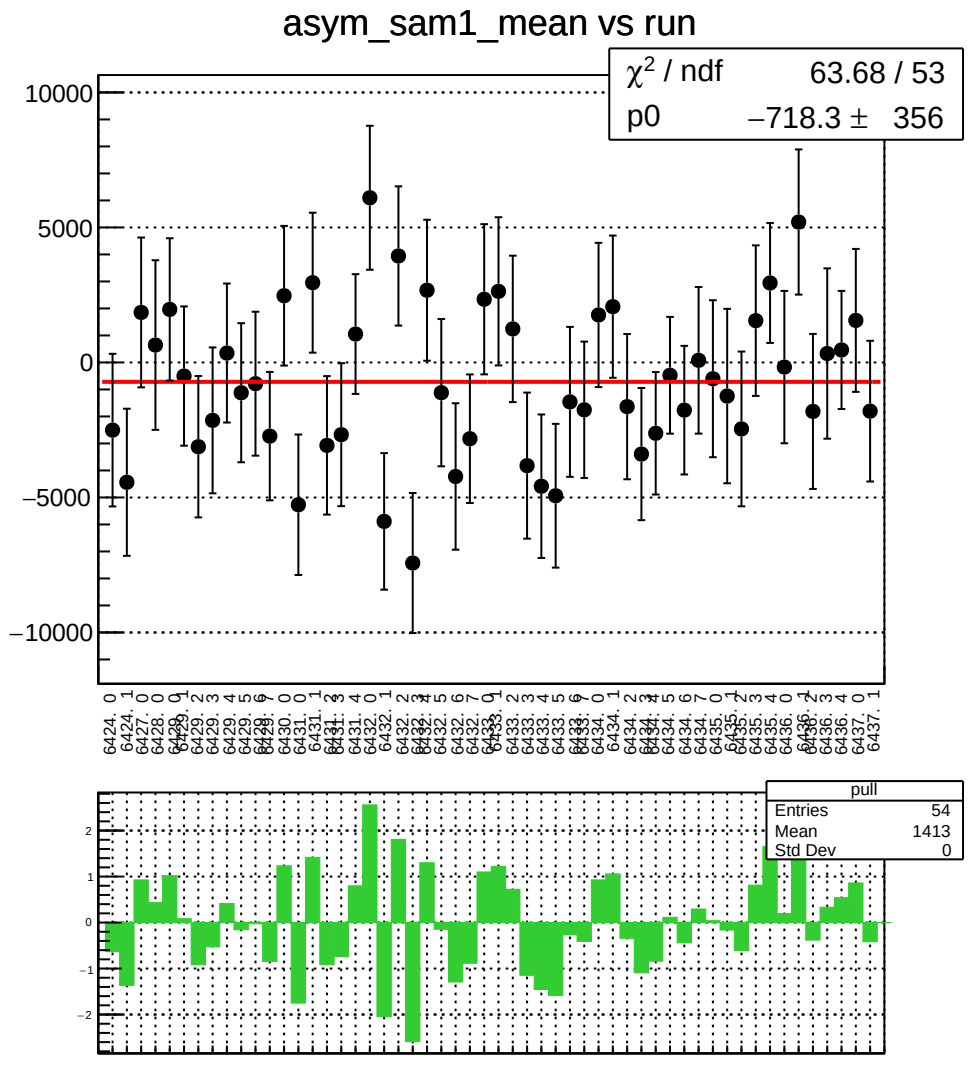

pull1D
Entries 54
Mean −0.004104
Std Dev 0.9828

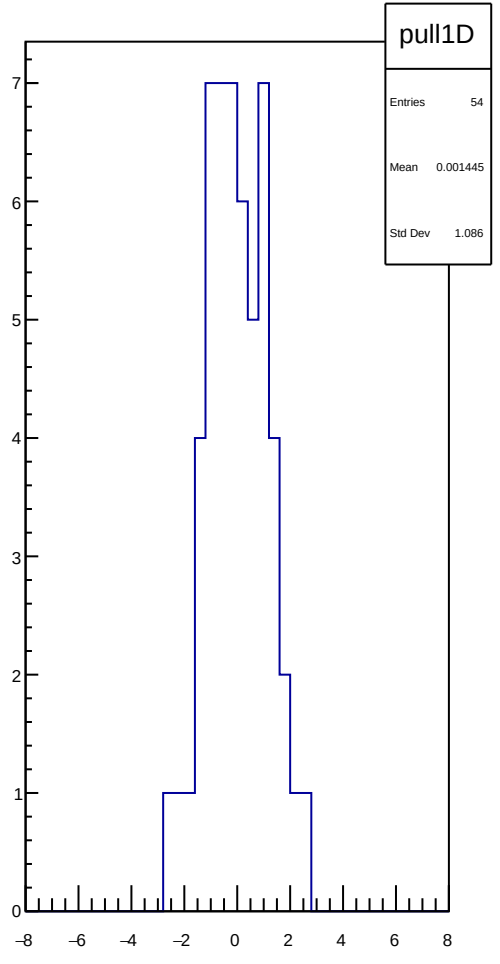

eigen_dit_asym_sam1_rms vs run
χ² / ndf 7075 / 53
p0 73.86 ± 0.0733
120
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

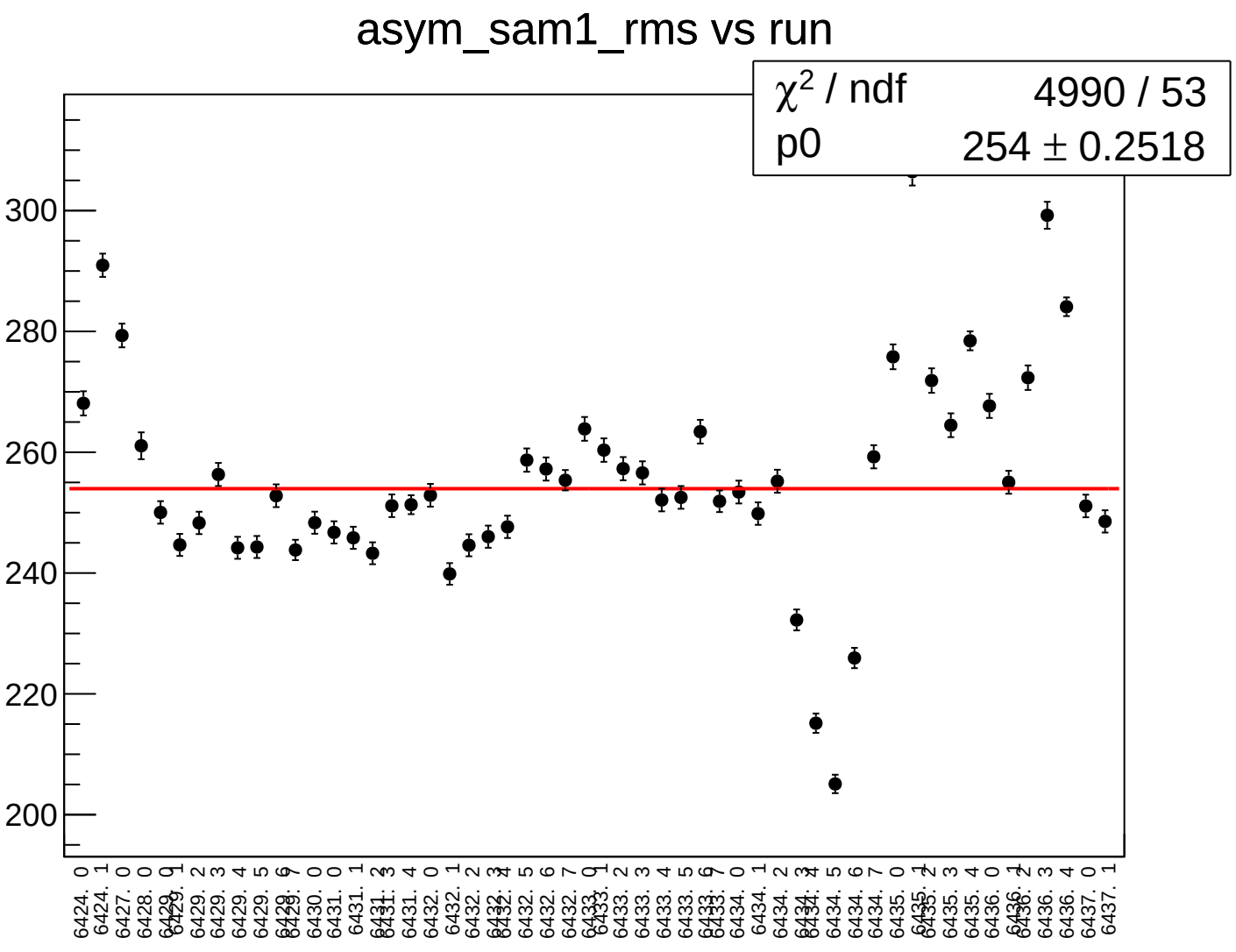

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 62.42 / 53
p0 598.4 ± 353.5
pull
Entries 54
Mean 3065
Std Dev 0

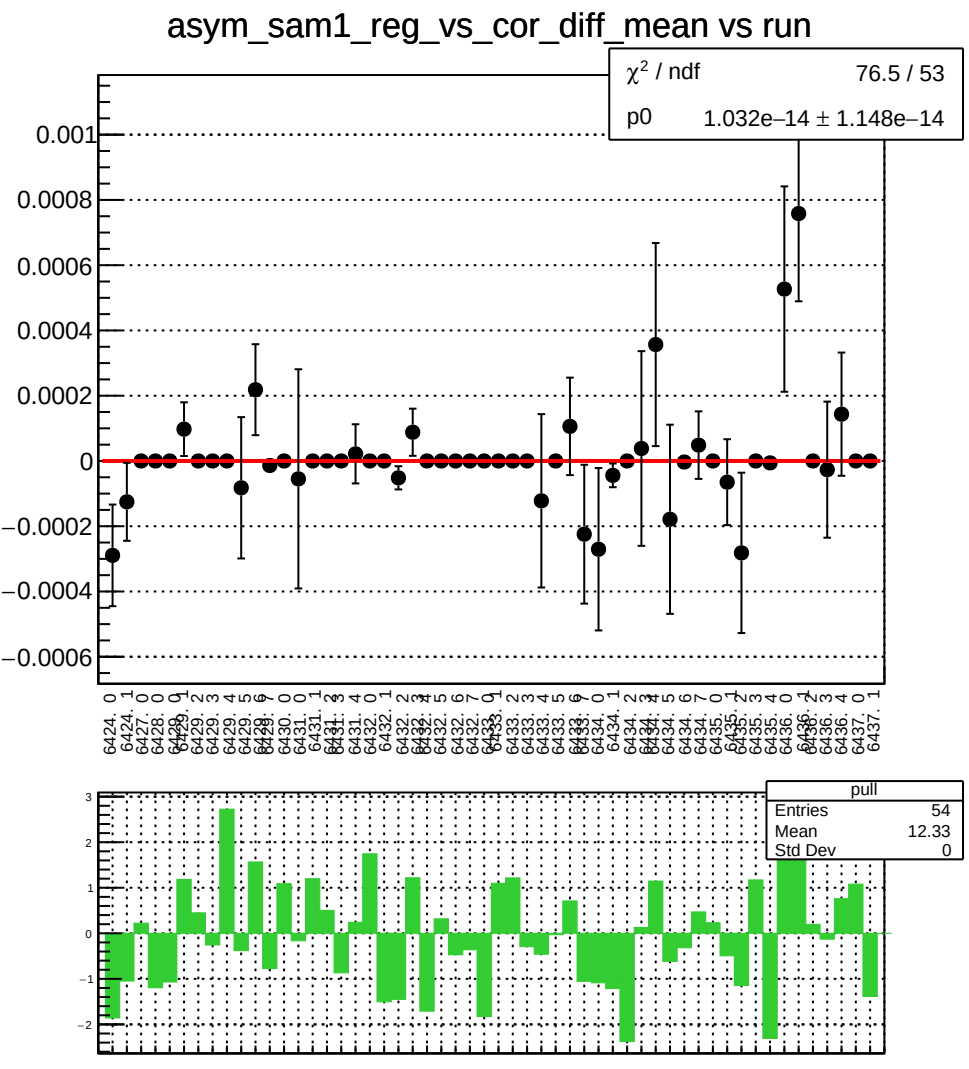

pull1D
Entries 54
Mean −0.0003643
Std Dev 1.075

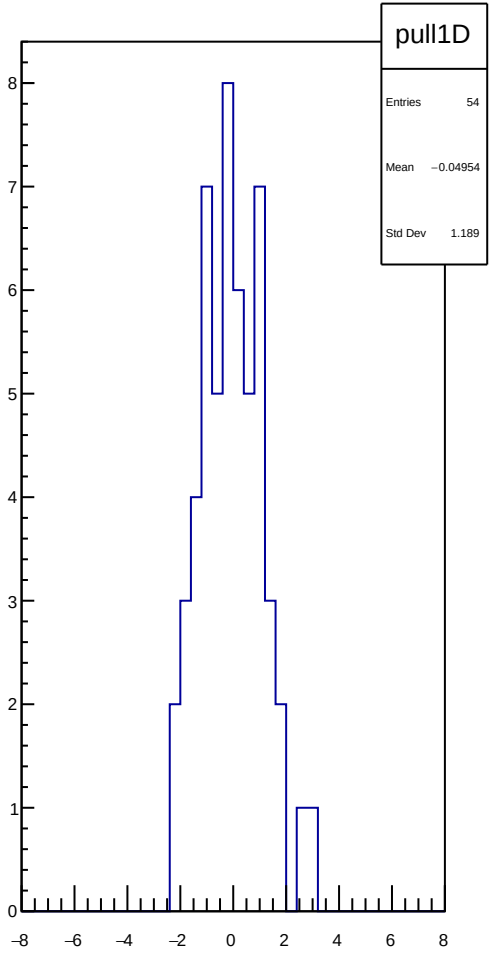

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 3426 / 53
p0 252.4 ± 0.25
310
300
290
280
270
260
250
240
230
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

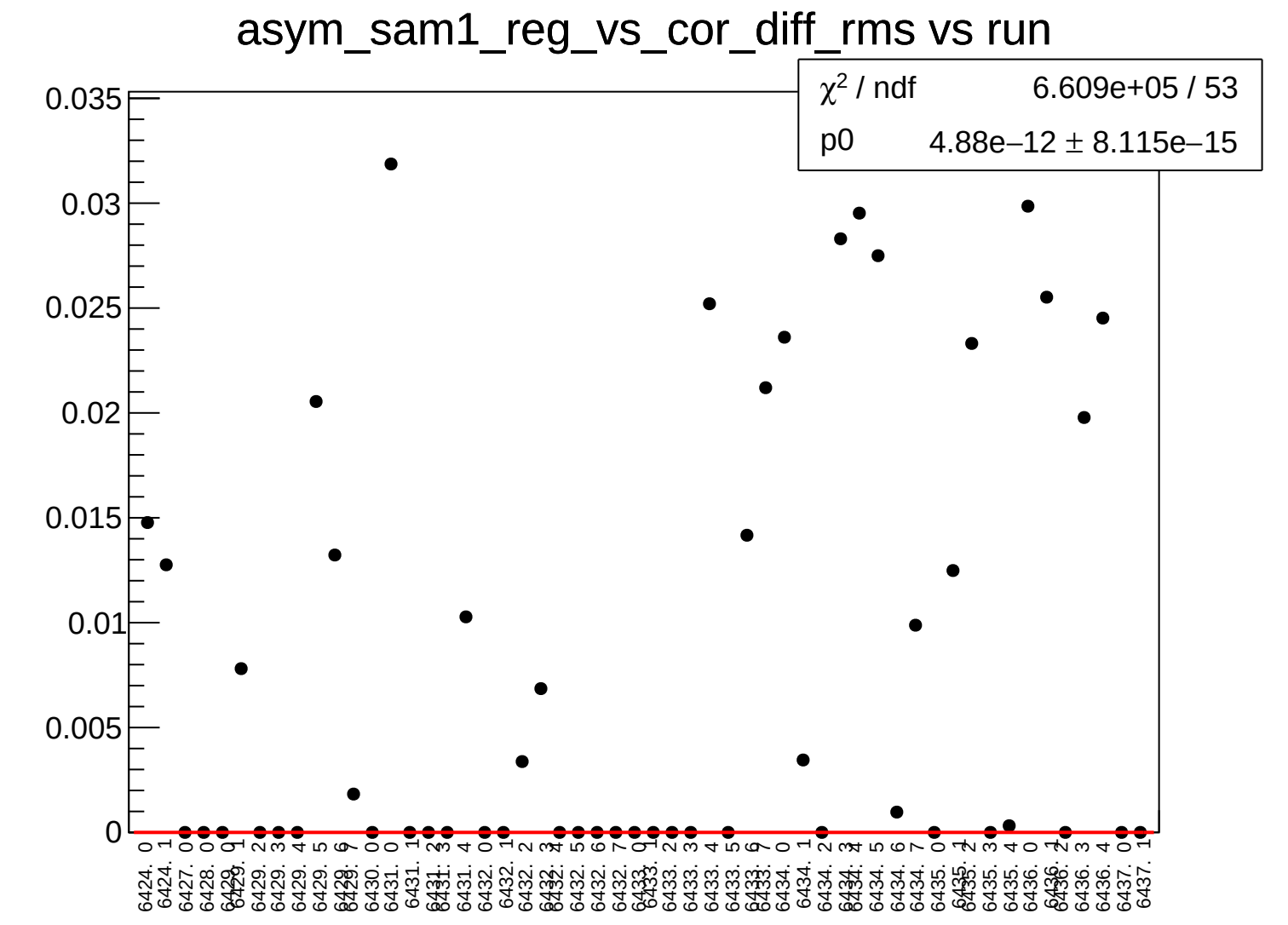

asym_sam1_mean vs run
χ² / ndf 63.68 / 53
p0 −718.3 ± 356
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1413
Std Dev 0
2
1
0
−1
−2

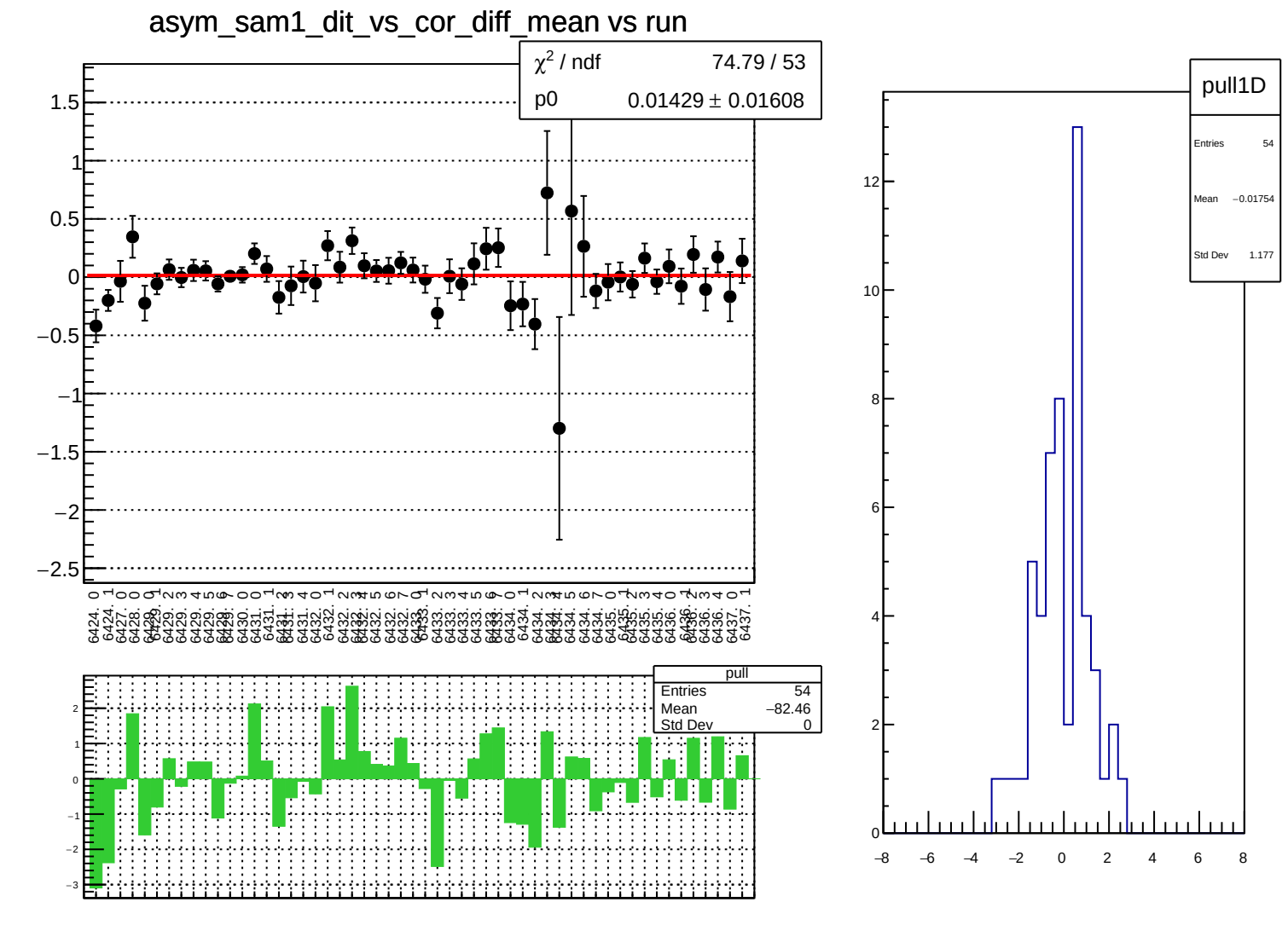

pull1D
Entries 54
Mean 0.001445
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

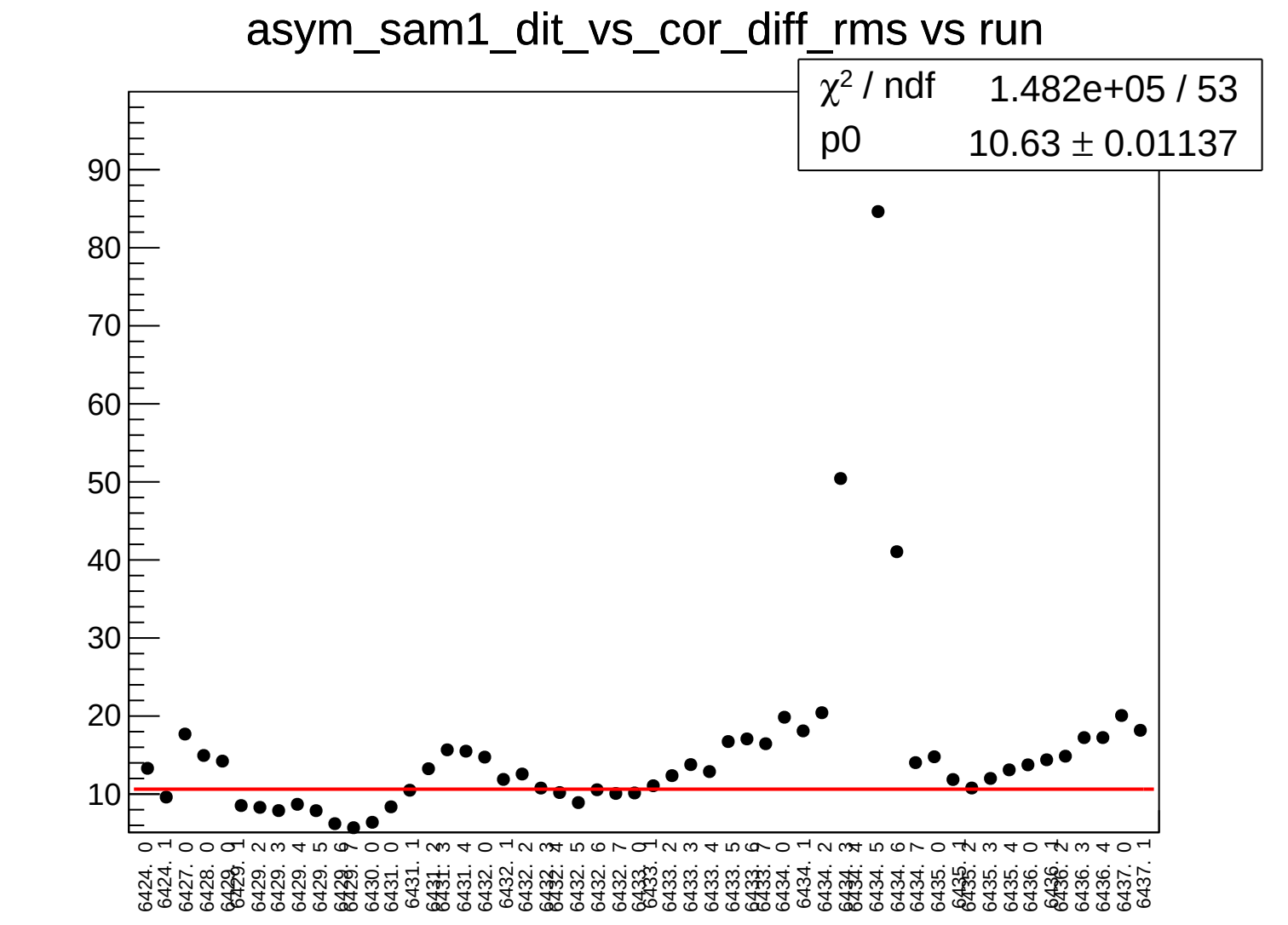

asym_sam1_rms vs run
χ² / ndf 4990 / 53
p0 254 ± 0.2518
300
280
260
240
220
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

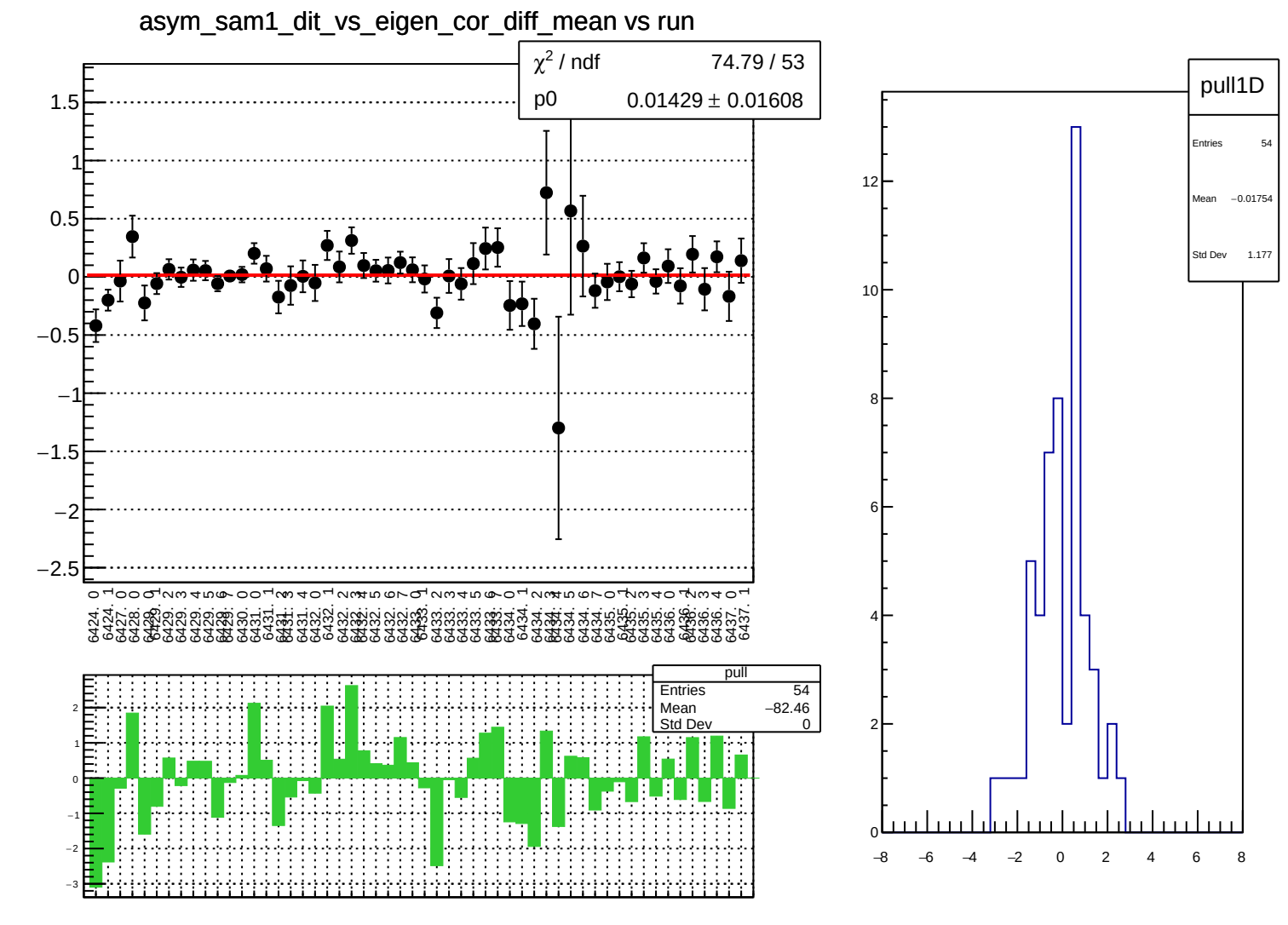

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 76.5 / 53
p0 1.032e−14 ± 1.148e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
pull
Entries 54
Mean 12.33
Std Dev 0
3
2
1
0
−1
−2

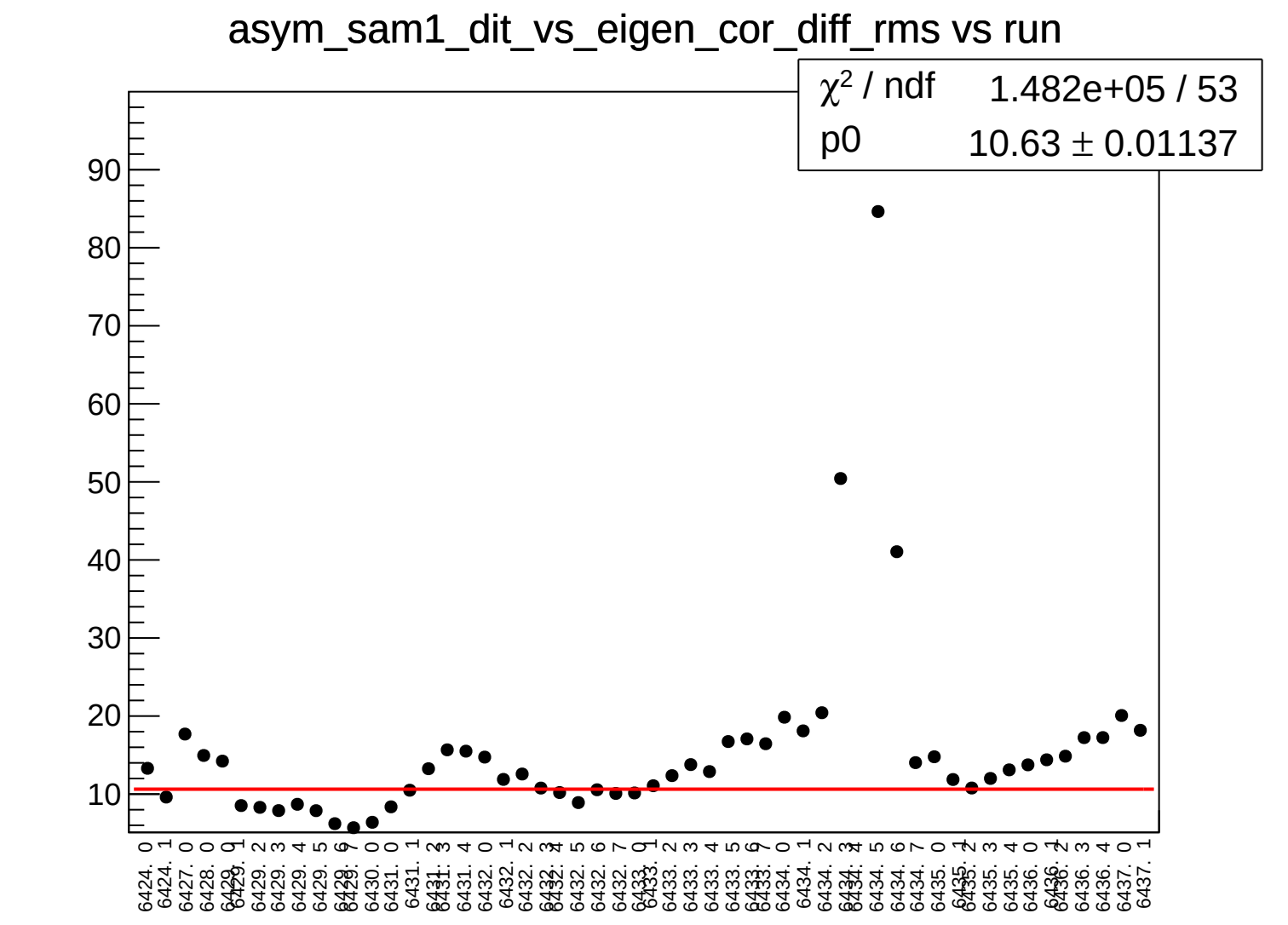

pull1D
Entries 54
Mean −0.04954
Std Dev 1.189
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

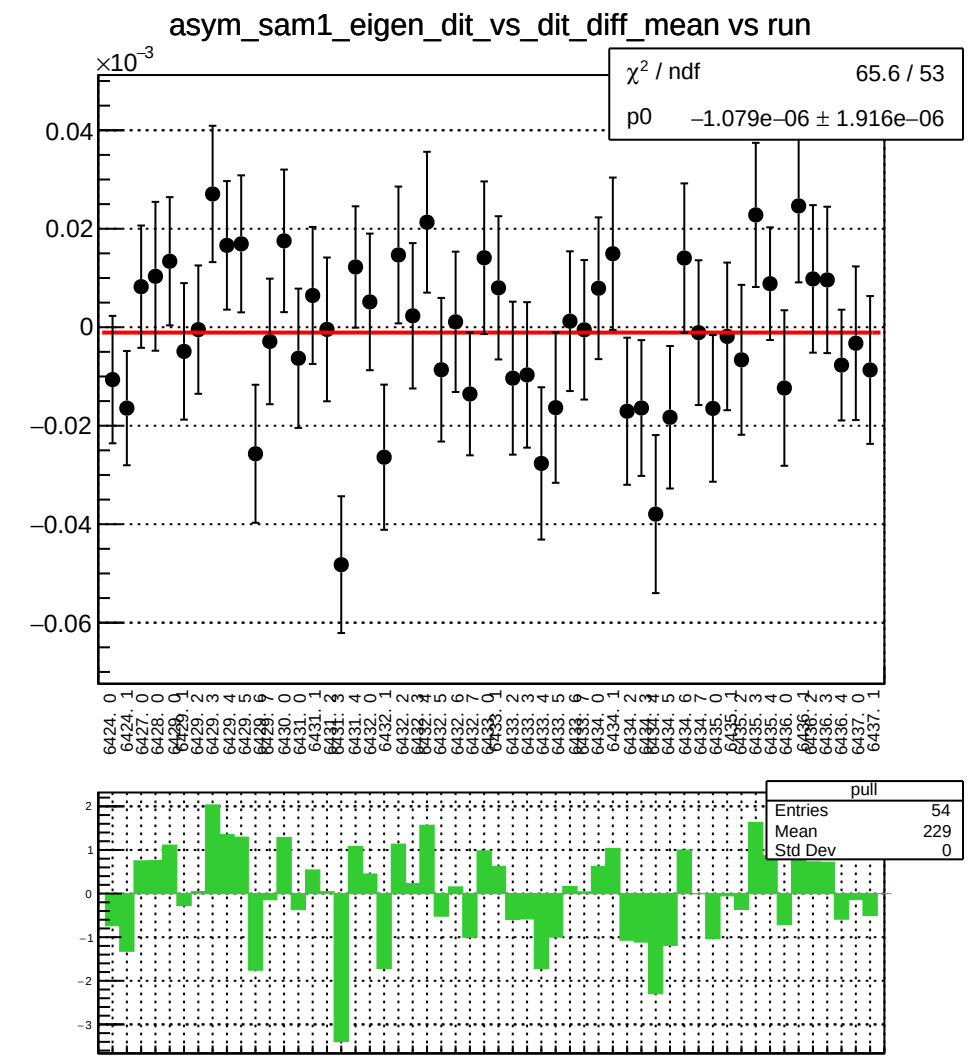

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.609e+05 / 53
p0 4.88e−12 ± 8.115e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

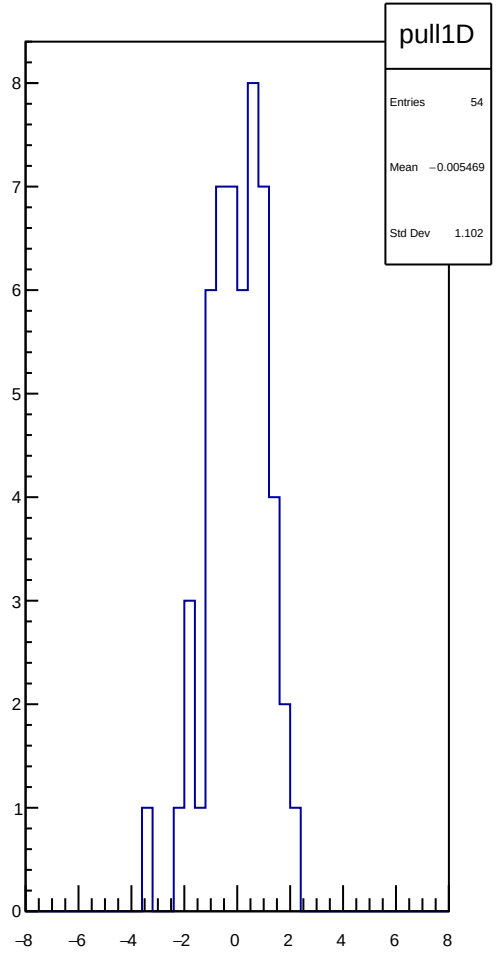

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 74.79 / 53
p0 0.01429 ± 0.01608
pull
Entries 54
Mean −82.46
Std Dev 0
pull1D
Entries 54
Mean −0.01754
Std Dev 1.177

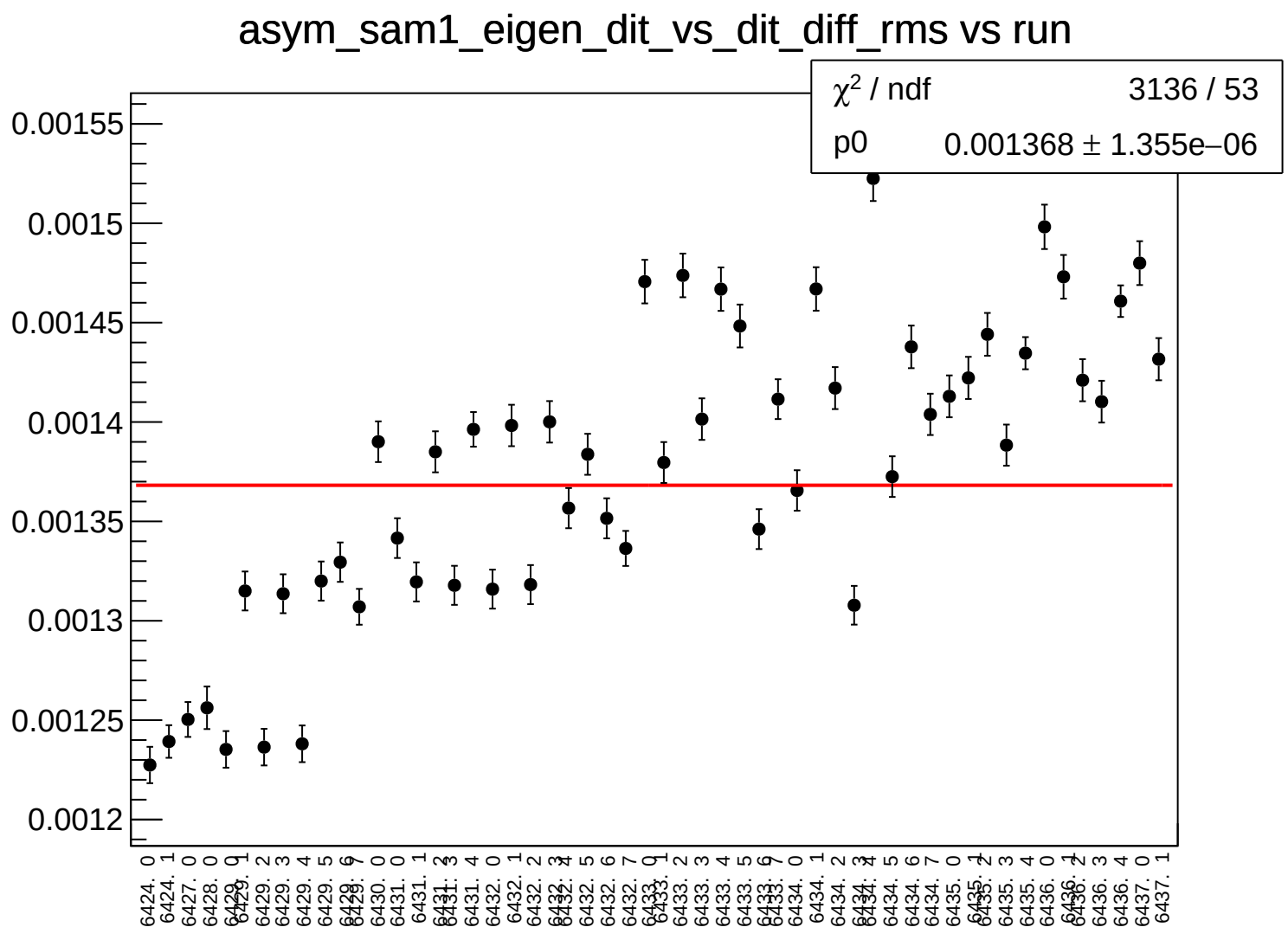

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.482e+05 / 53
p0 10.63 ± 0.01137
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

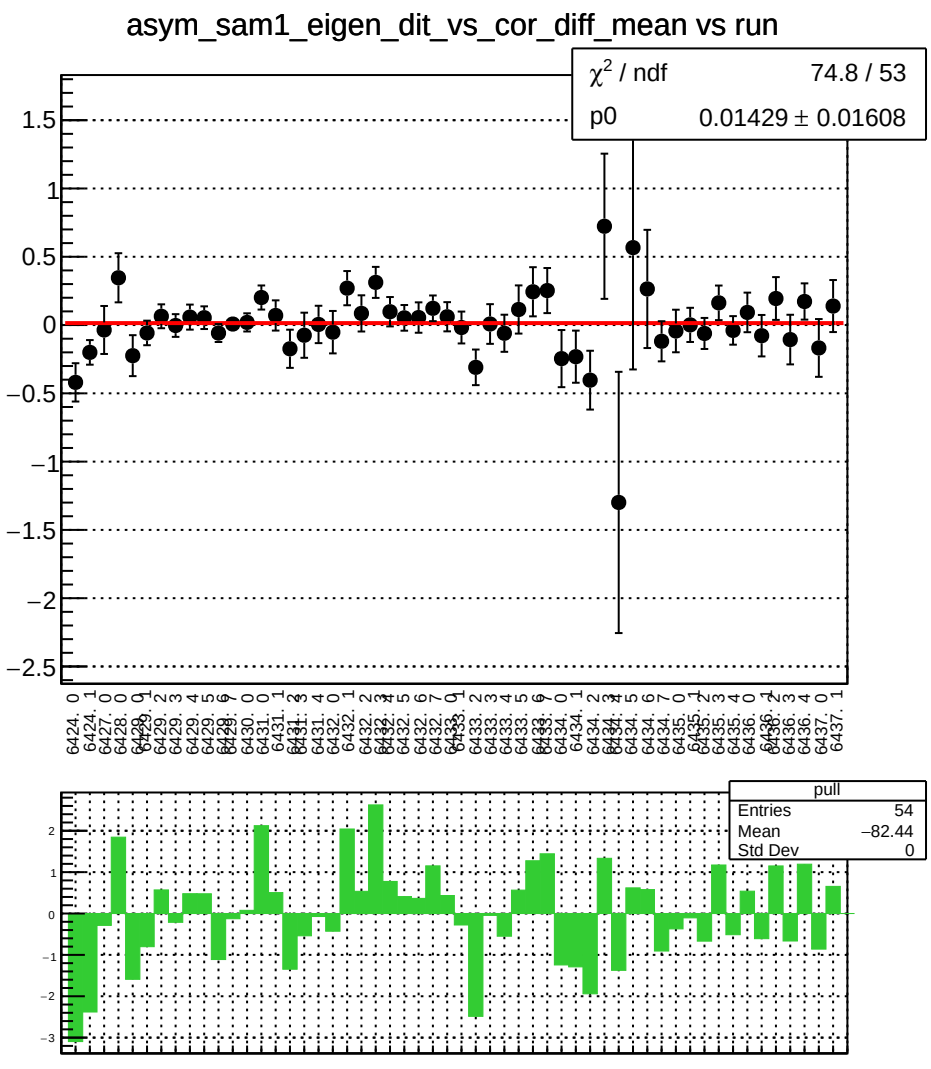

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.79 / 53
p0 0.01429 ± 0.01608
pull
Entries 54
Mean −82.46
Std Dev 0
pull1D
Entries 54
Mean −0.01754
Std Dev 1.177

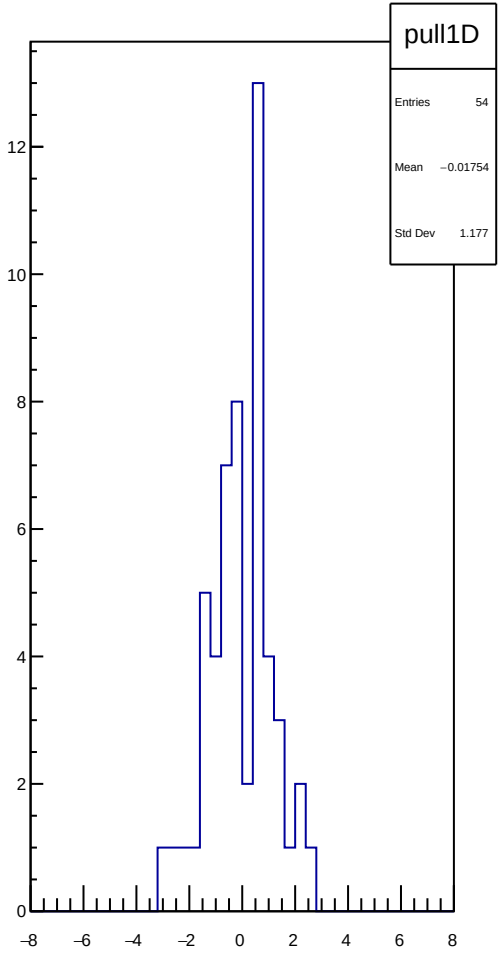

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.482e+05 / 53
p0 10.63 ± 0.01137
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6437. 0
6437. 1

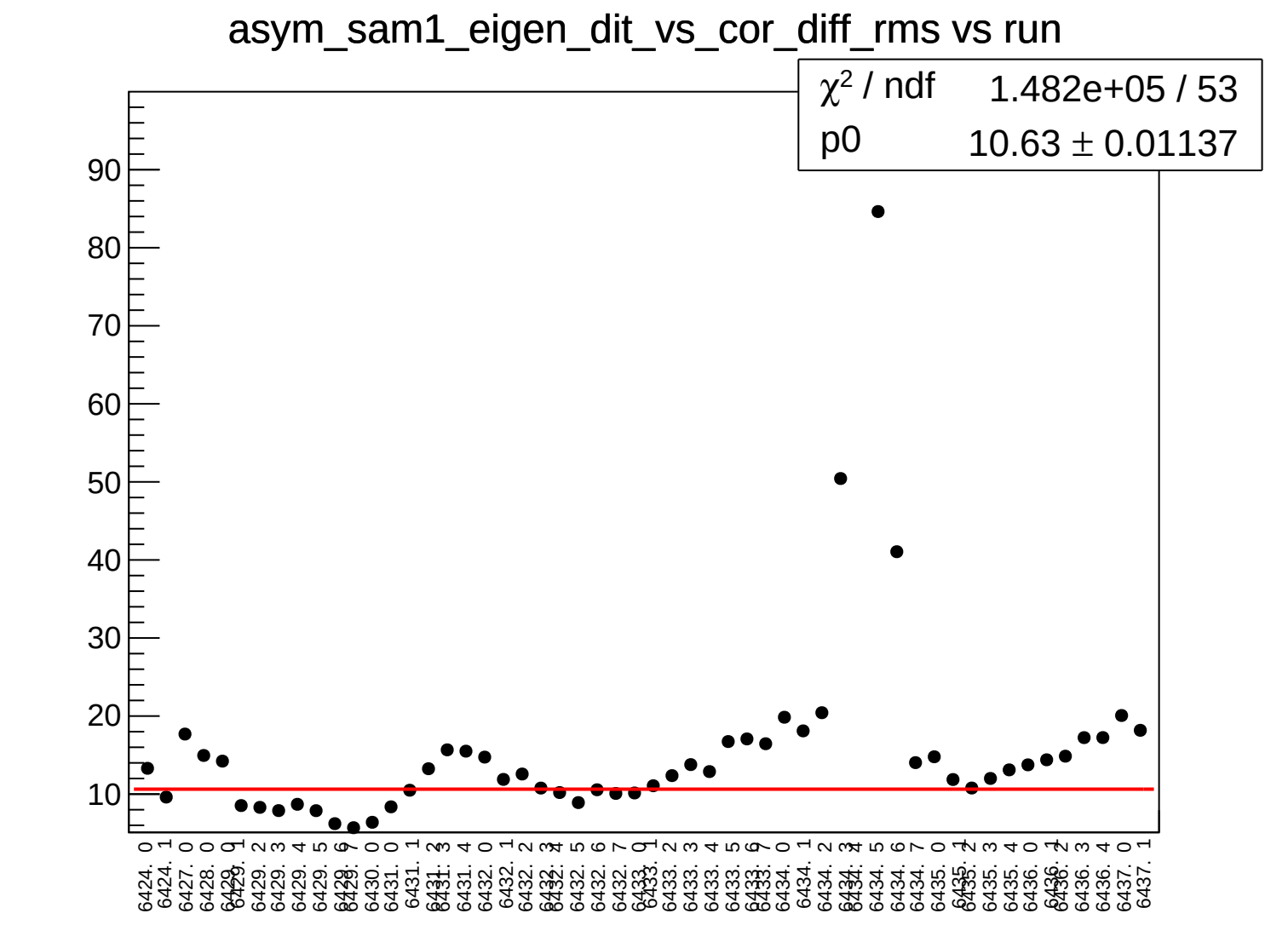

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.6 / 53
p0 −1.079e−06 ± 1.916e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 229
Std Dev 0
2
1
0
−1
−2
−3

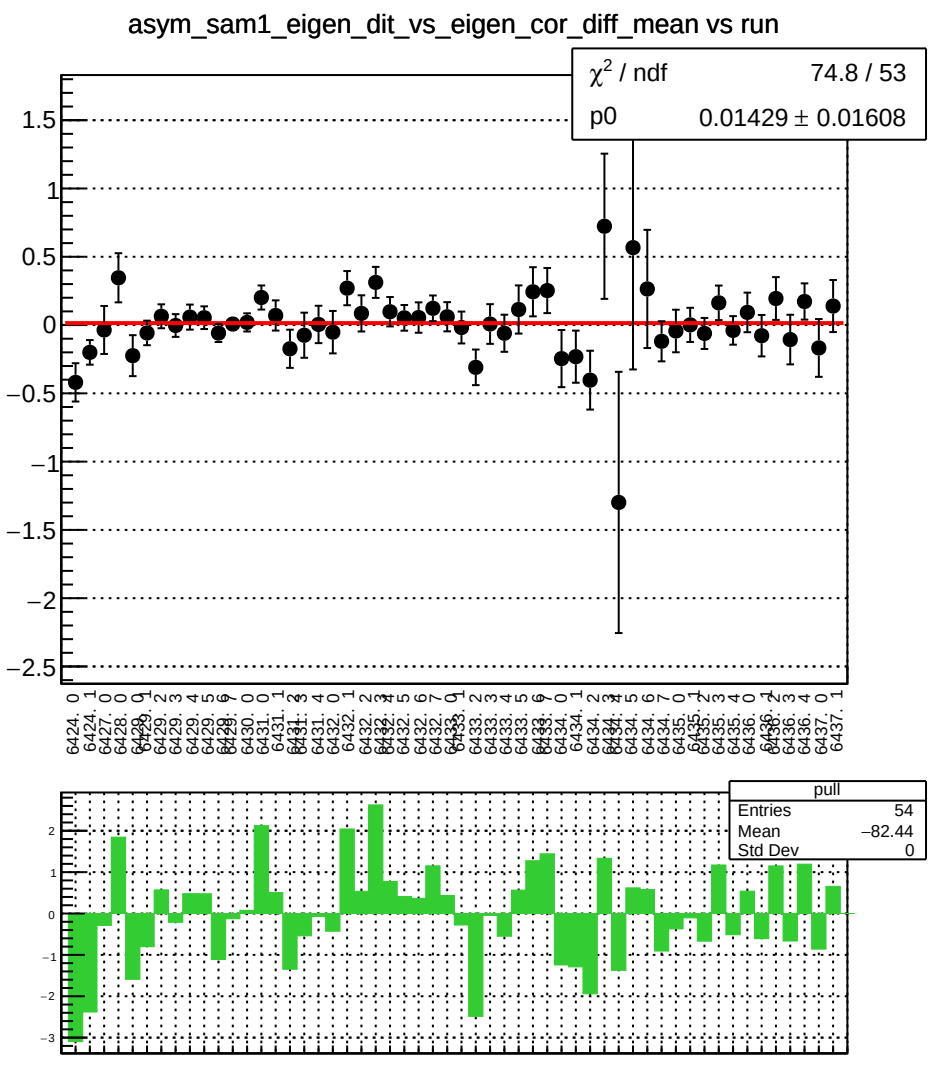

pull1D
Entries 54
Mean −0.005469
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

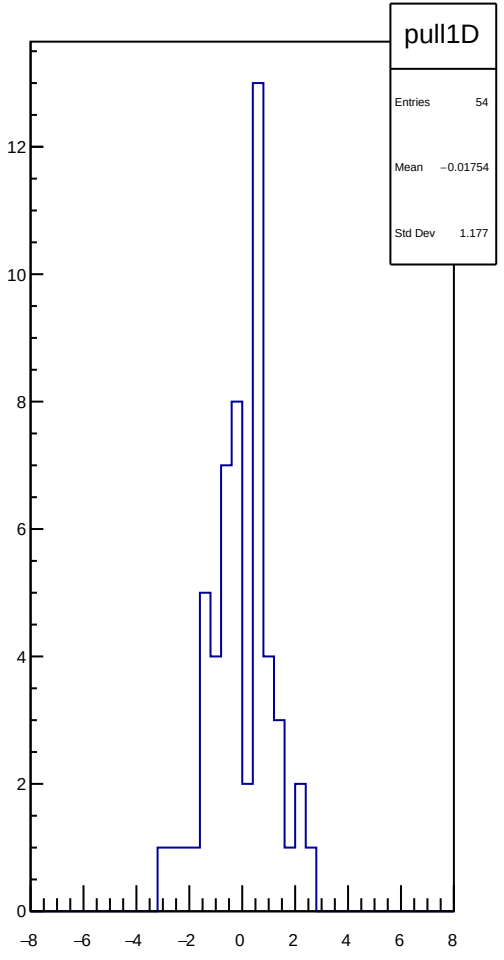

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3136 / 53
p0 0.001368 ± 1.355e−06
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

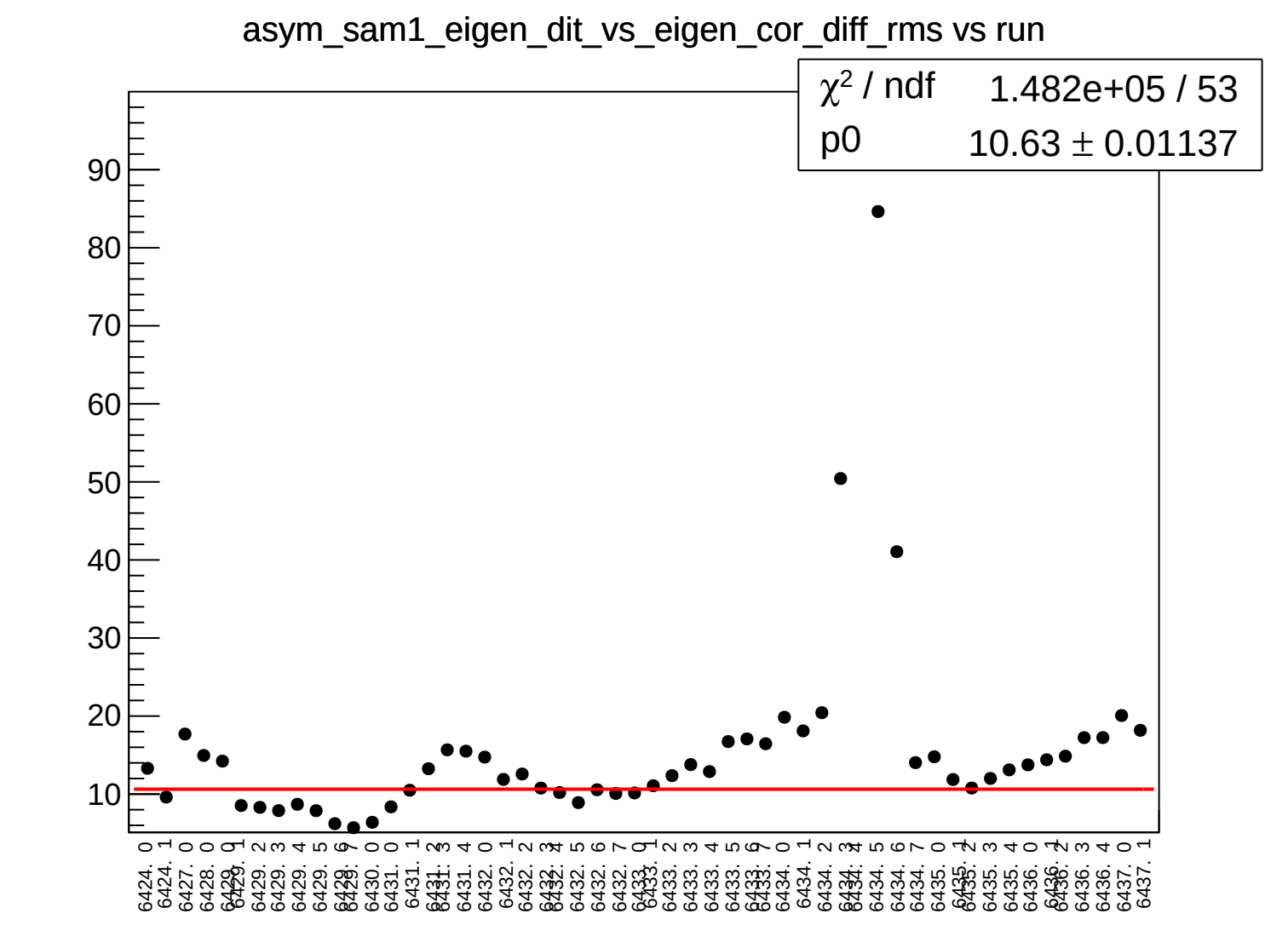

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.8 / 53
p0 0.01429 ± 0.01608
pull
Entries 54
Mean −82.44
Std Dev 0

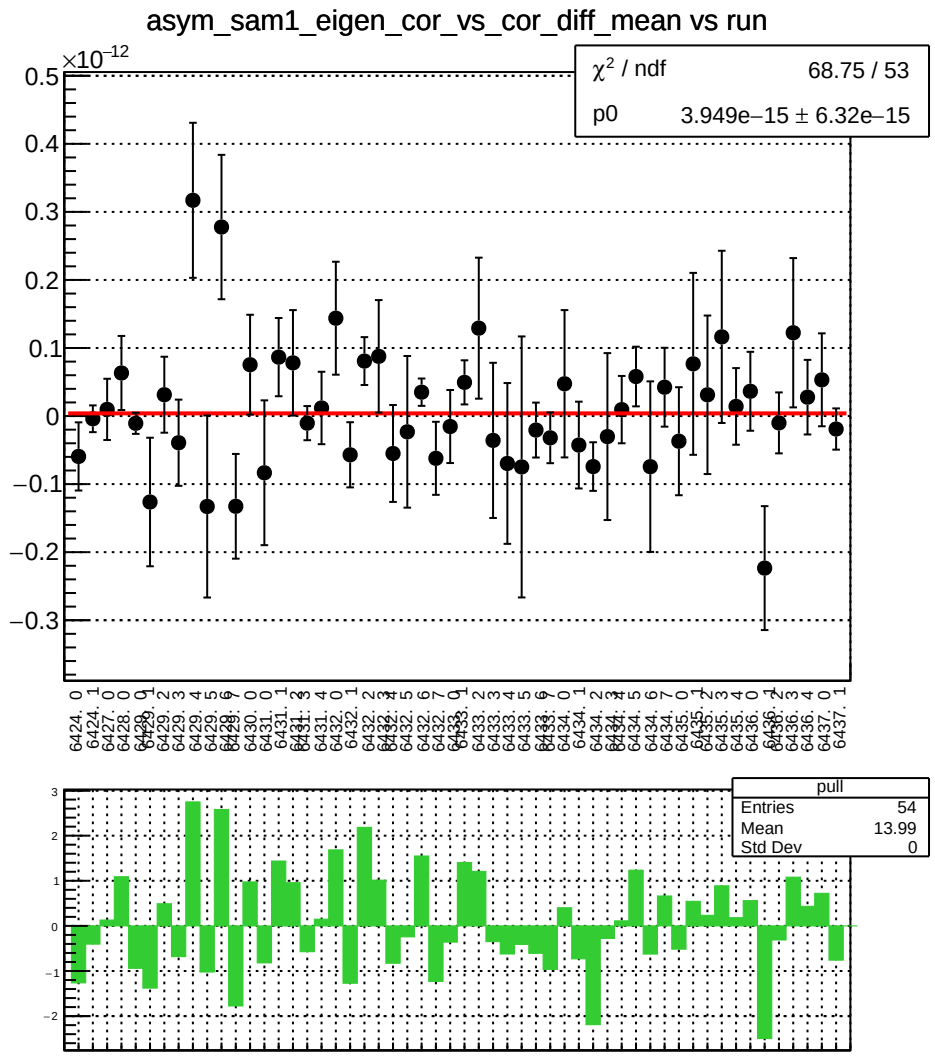

pull1D
Entries 54
Mean −0.01754
Std Dev 1.177

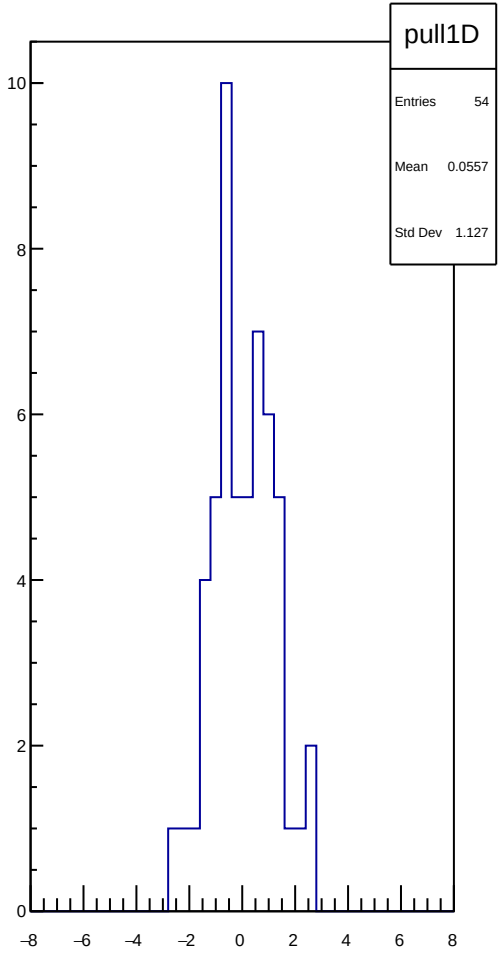

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.482e+05 / 53
p0 10.63 ± 0.01137
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

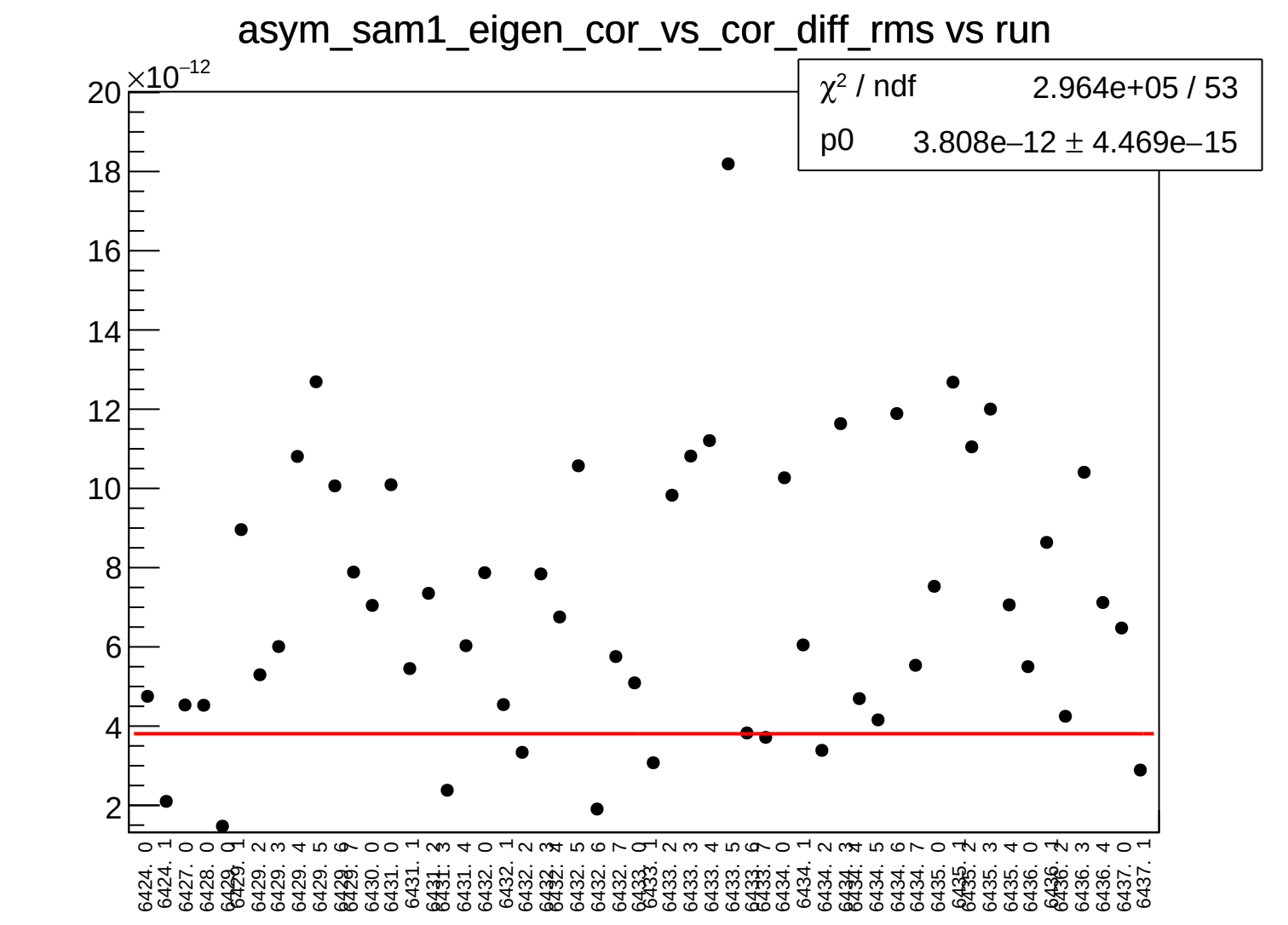

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.8 / 53
p0 0.01429 ± 0.01608
pull
Entries 54
Mean −82.44
Std Dev 0

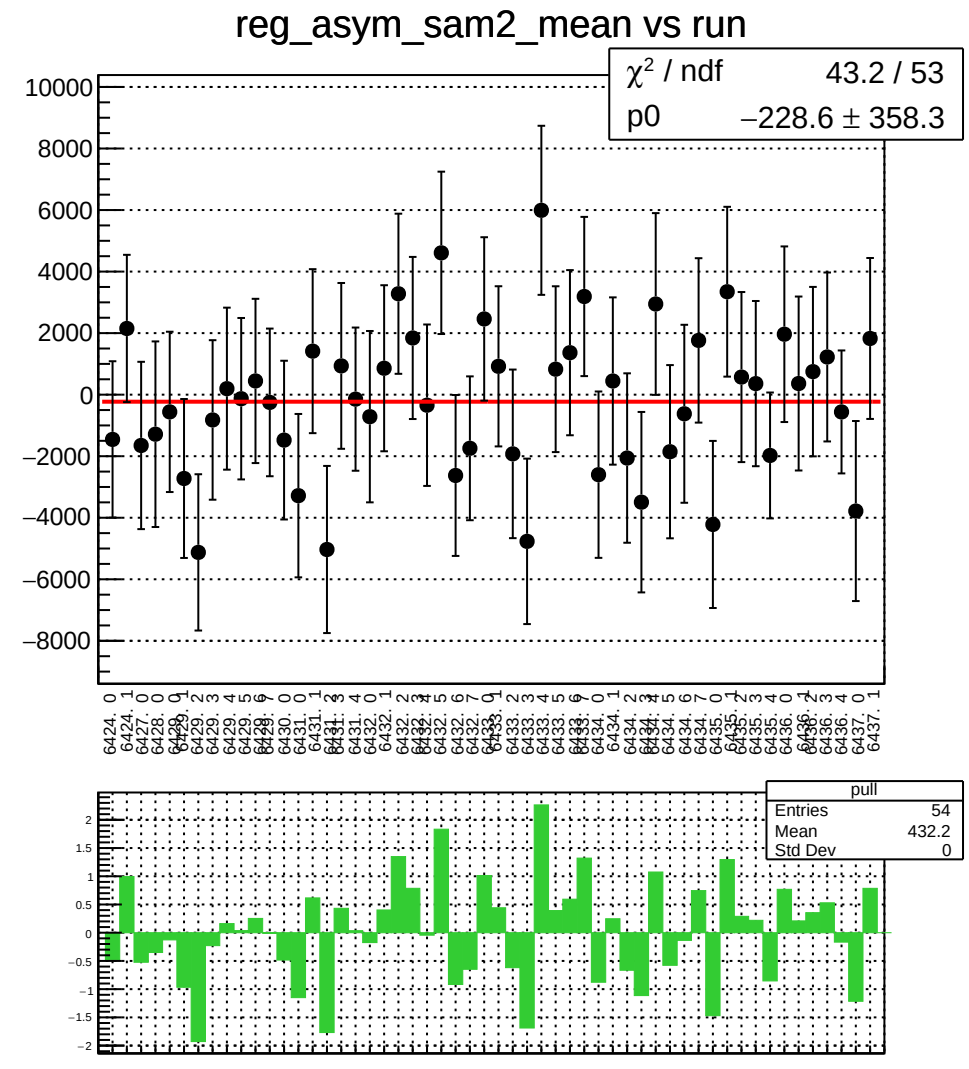

pull1D
Entries 54
Mean −0.01754
Std Dev 1.177

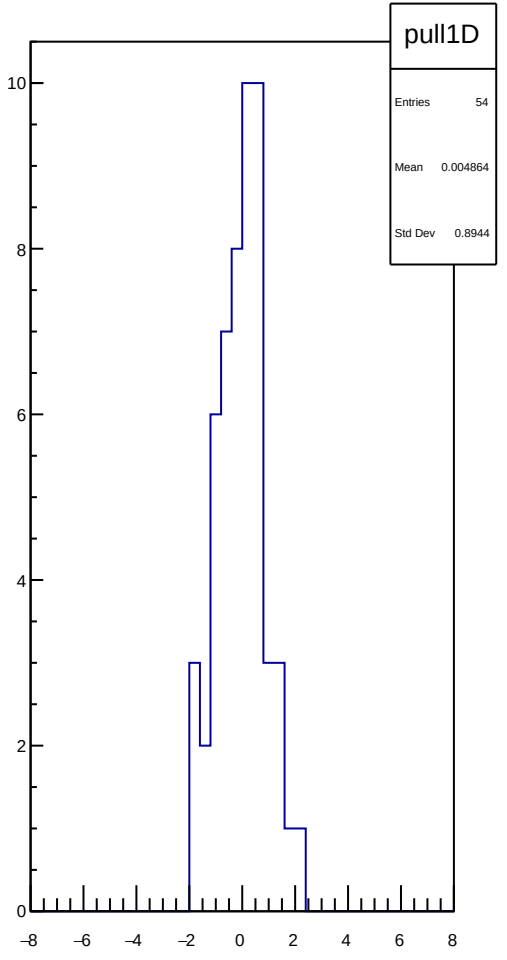

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.482e+05 / 53
p0 10.63 ± 0.01137
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

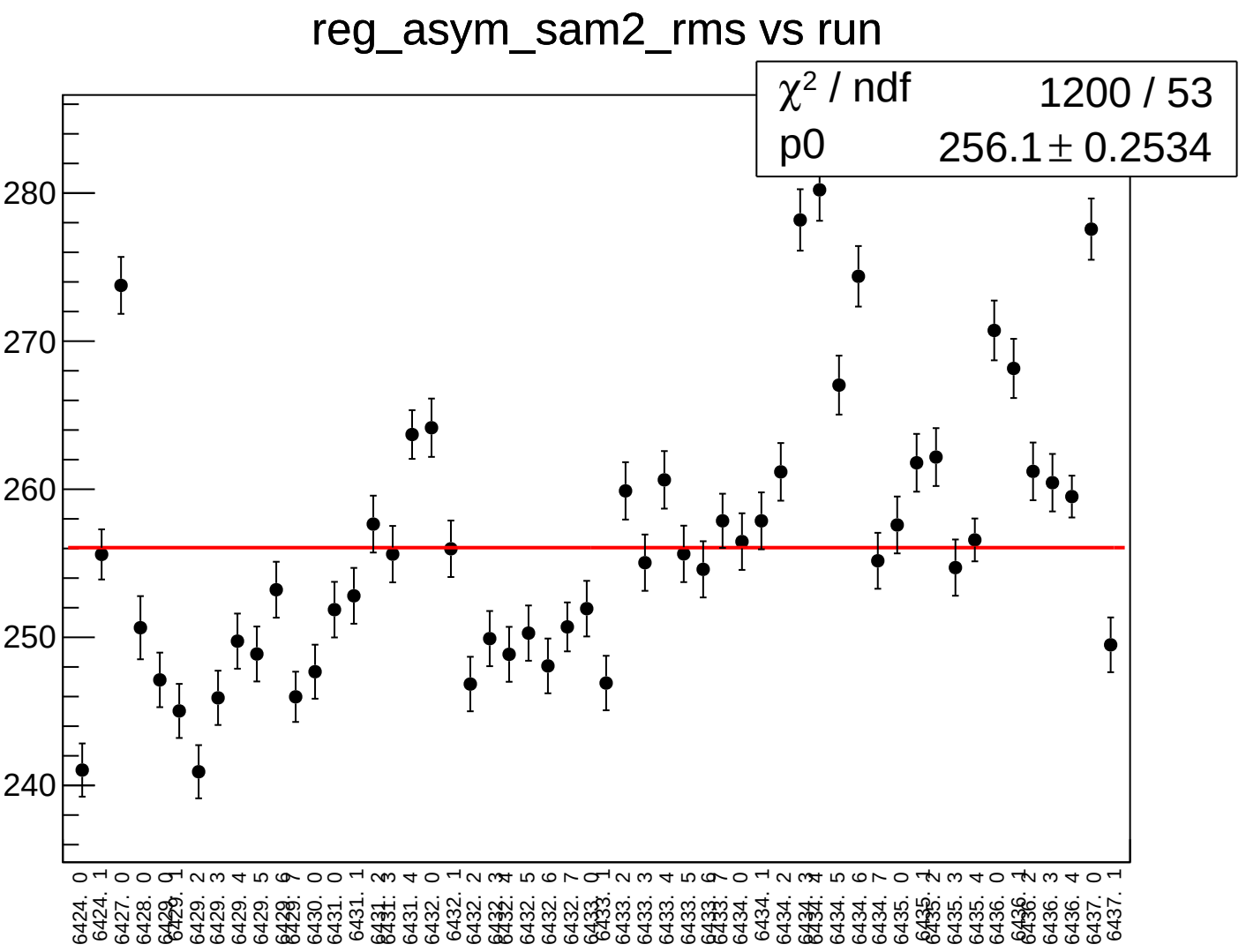

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.75 / 53
p0 3.949e−15 ± 6.32e−15
pull
Entries 54
Mean 13.99
Std Dev 0

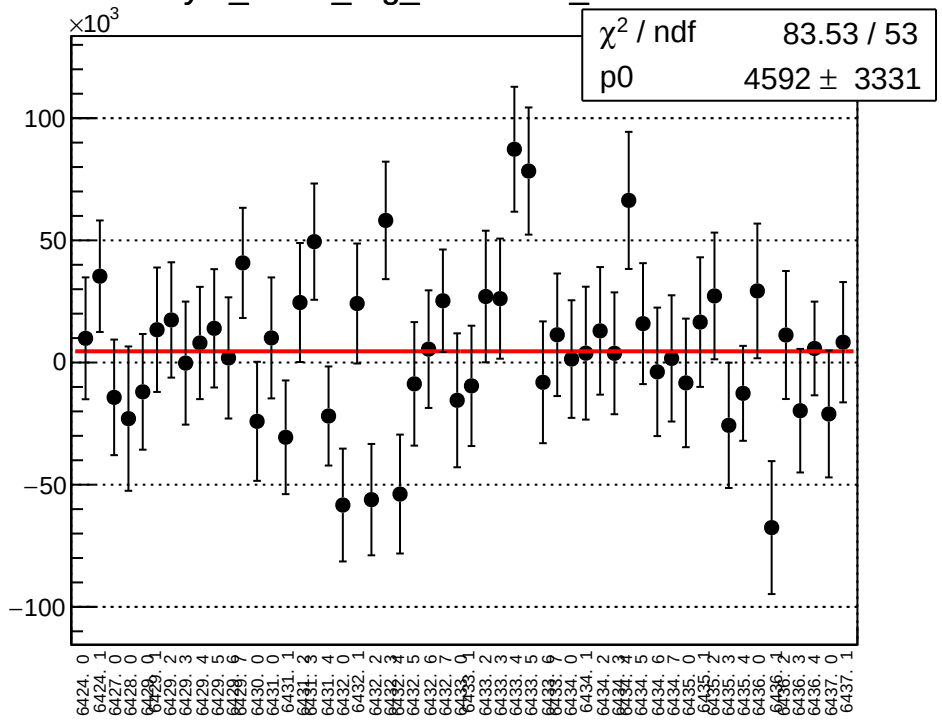

pull1D
Entries 54
Mean 0.0557
Std Dev 1.127

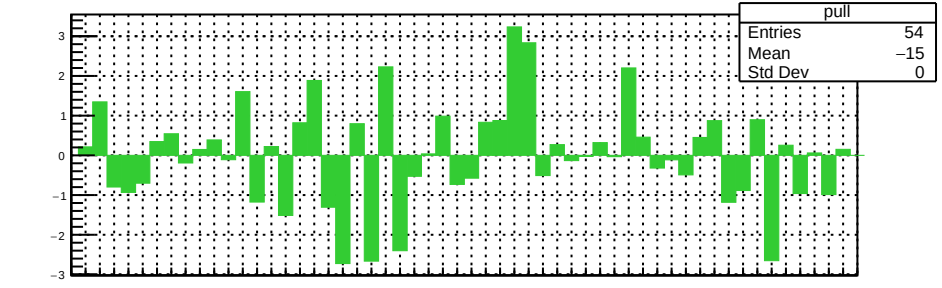

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.964e+05 / 53
p0 3.808e−12 ± 4.469e−15
20
18
16
14
12
10
8
6
4
2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

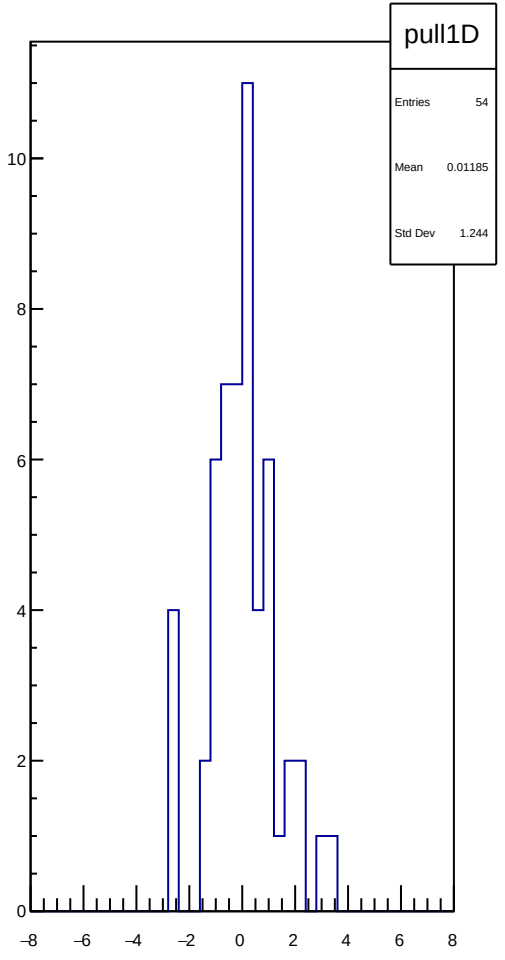

reg_asym_sam2_mean vs run
χ² / ndf 43.2 / 53
p0 −228.6 ± 358.3
pull
Entries 54
Mean 432.2
Std Dev 0

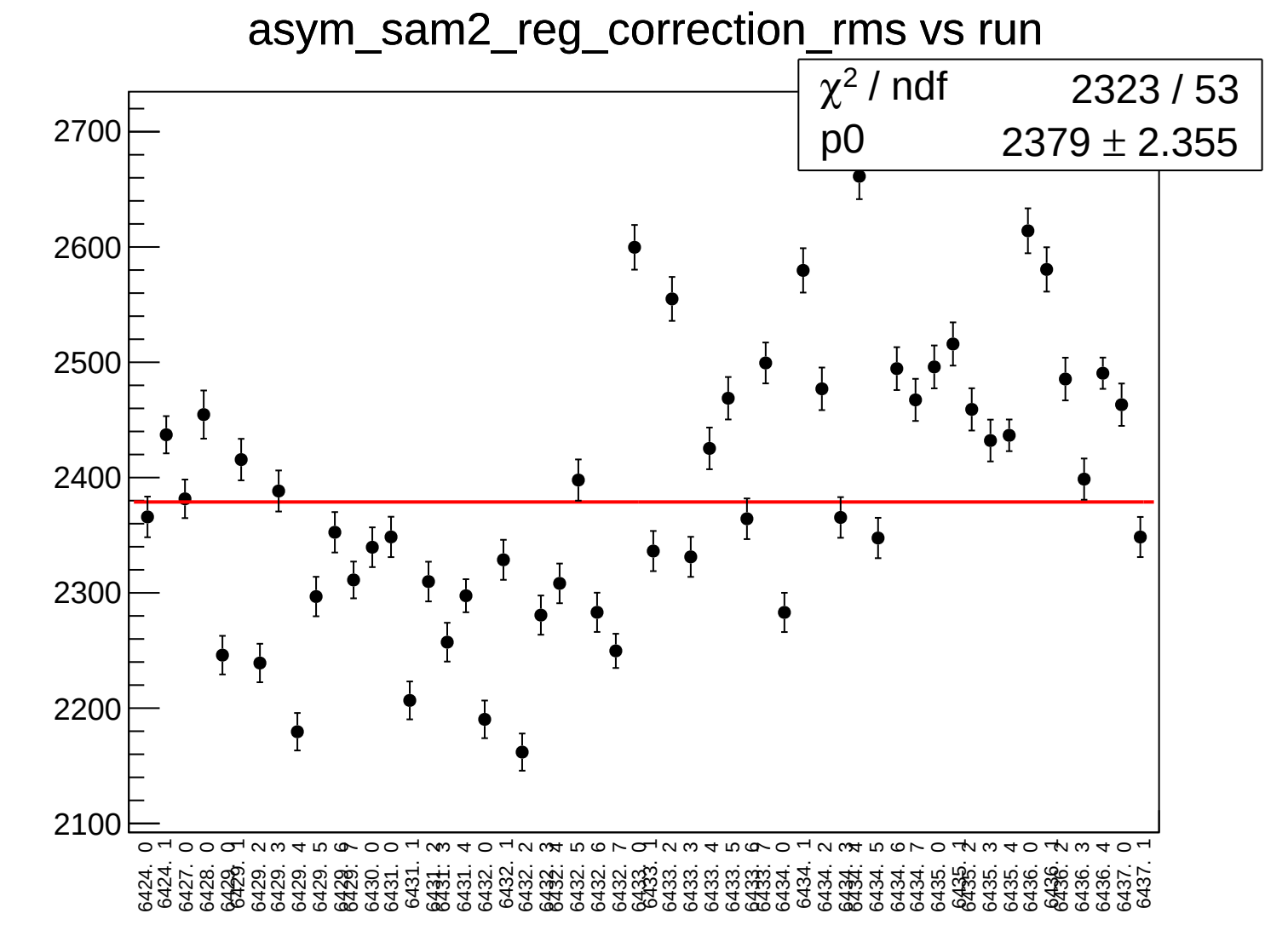

pull1D
Entries 54
Mean 0.004864
Std Dev 0.8944

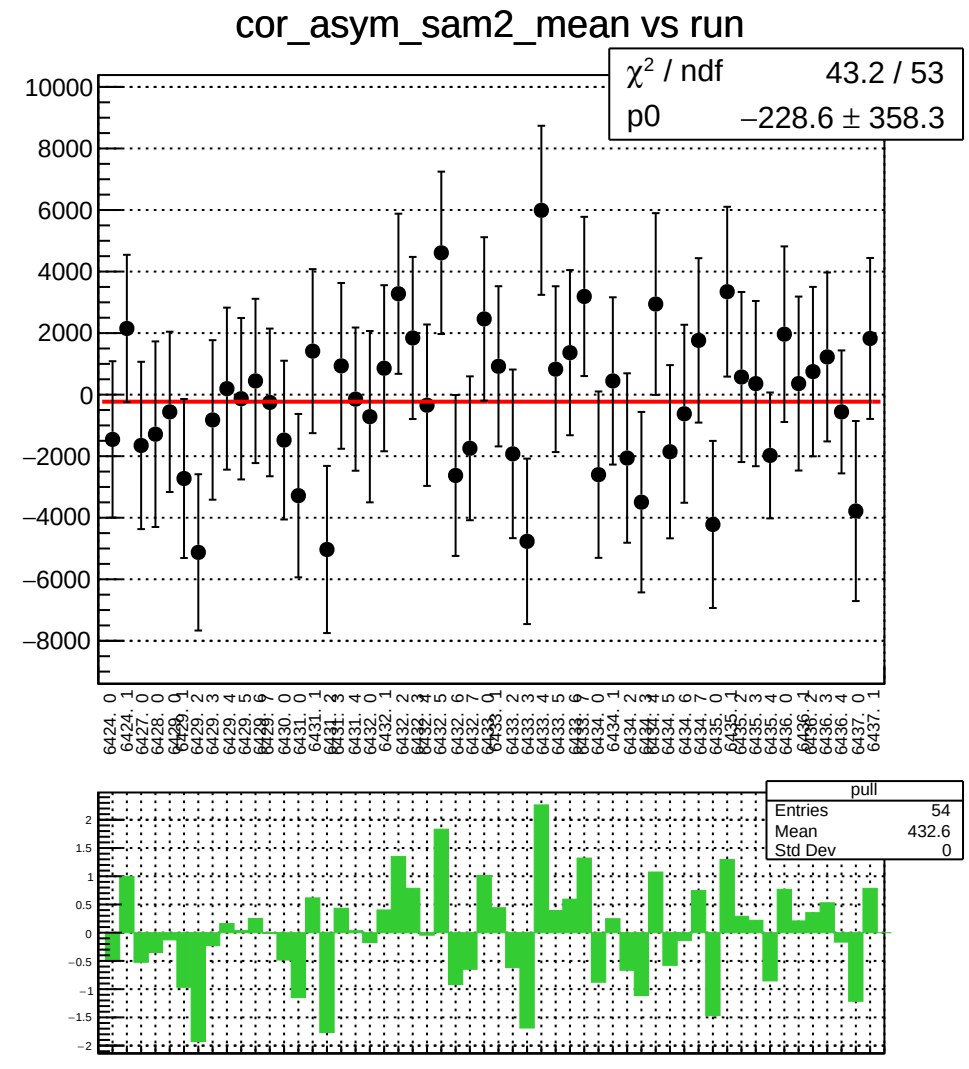

reg_asym_sam2_rms vs run
χ² / ndf 1200 / 53
p0 256.1 ± 0.2534
280
270
260
250
240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

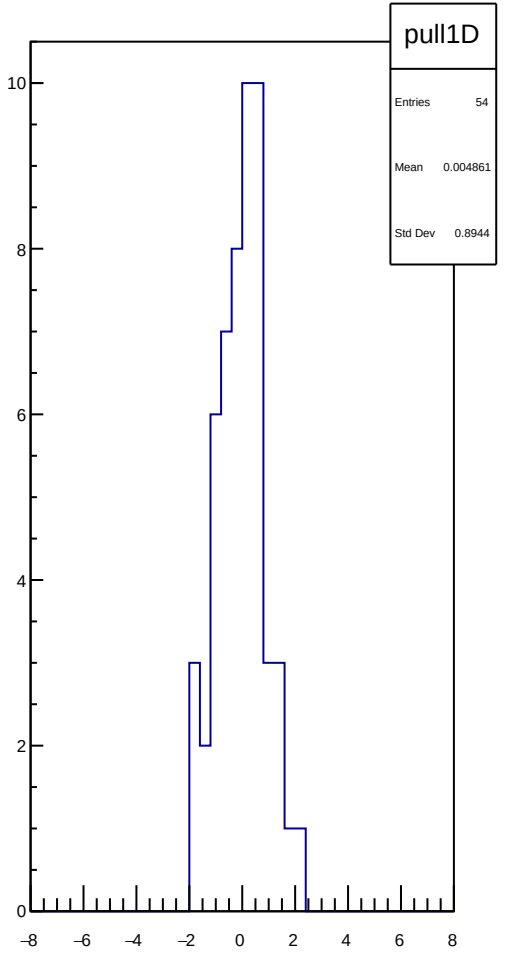

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 83.53 / 53
p0 4592 ± 3331
100
50
0
−50
−100

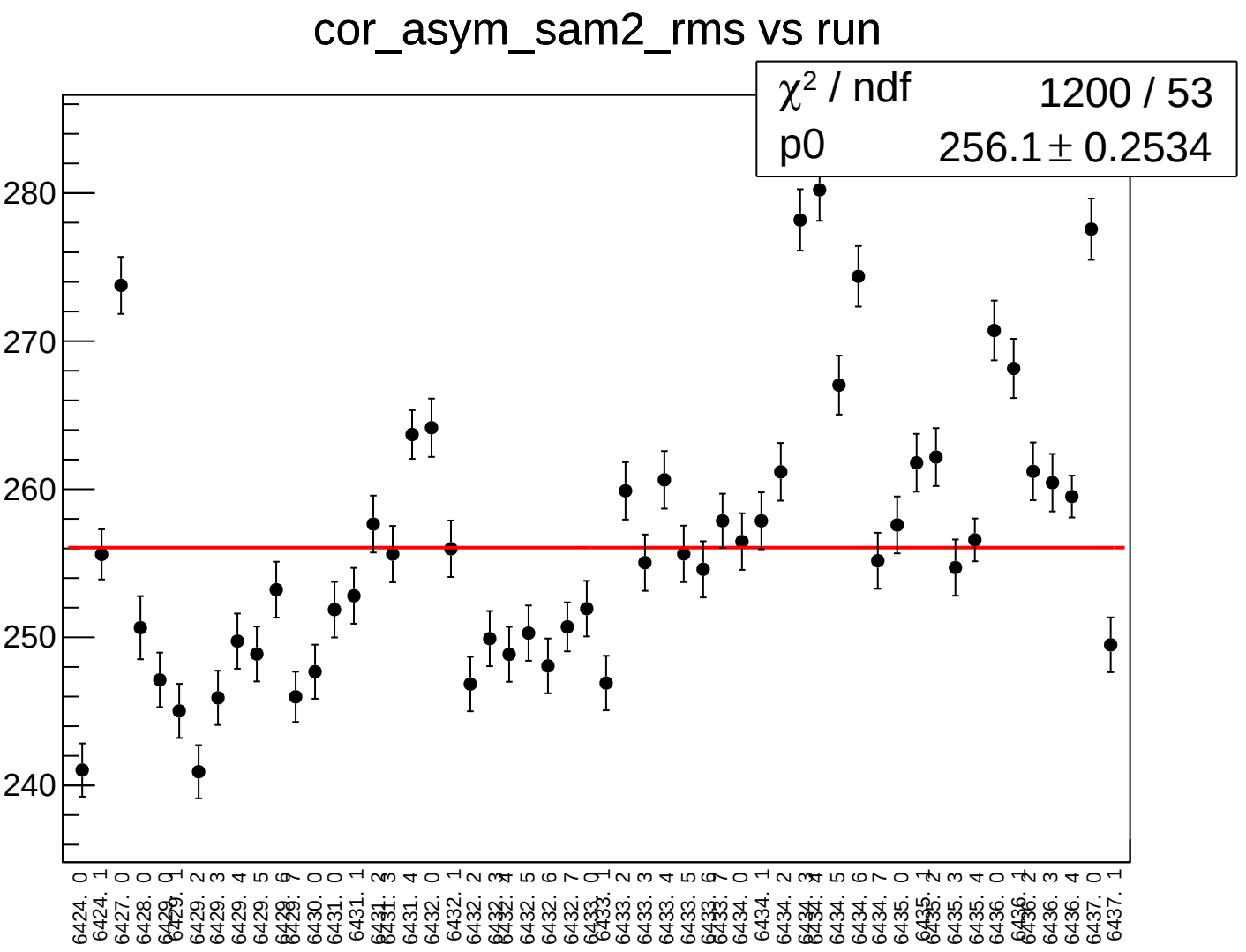

pull
Entries 54
Mean −15
Std Dev 0
3
2
1
0
−1
−2
−3

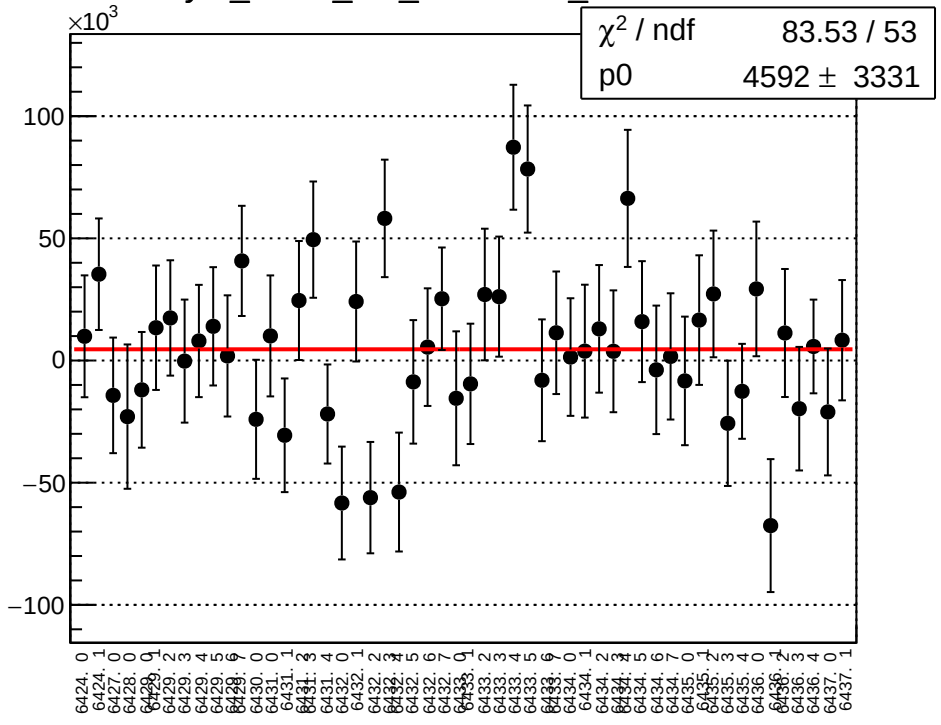

pull1D
Entries 54
Mean 0.01185
Std Dev 1.244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

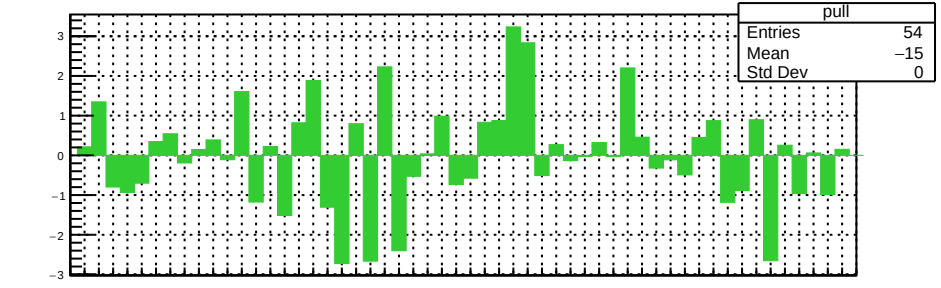

asym_sam2_reg_correction_rms vs run
χ² / ndf 2323 / 53
p0 2379 ± 2.355
2700
2600
2500
2400
2300
2200
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

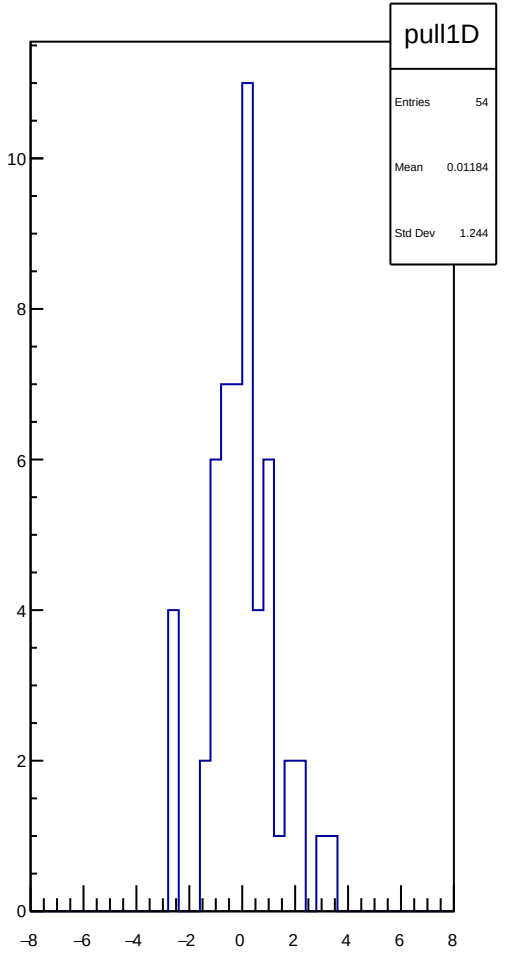

cor_asym_sam2_mean vs run
χ² / ndf 43.2 / 53
p0 −228.6 ± 358.3
pull
Entries 54
Mean 432.6
Std Dev 0

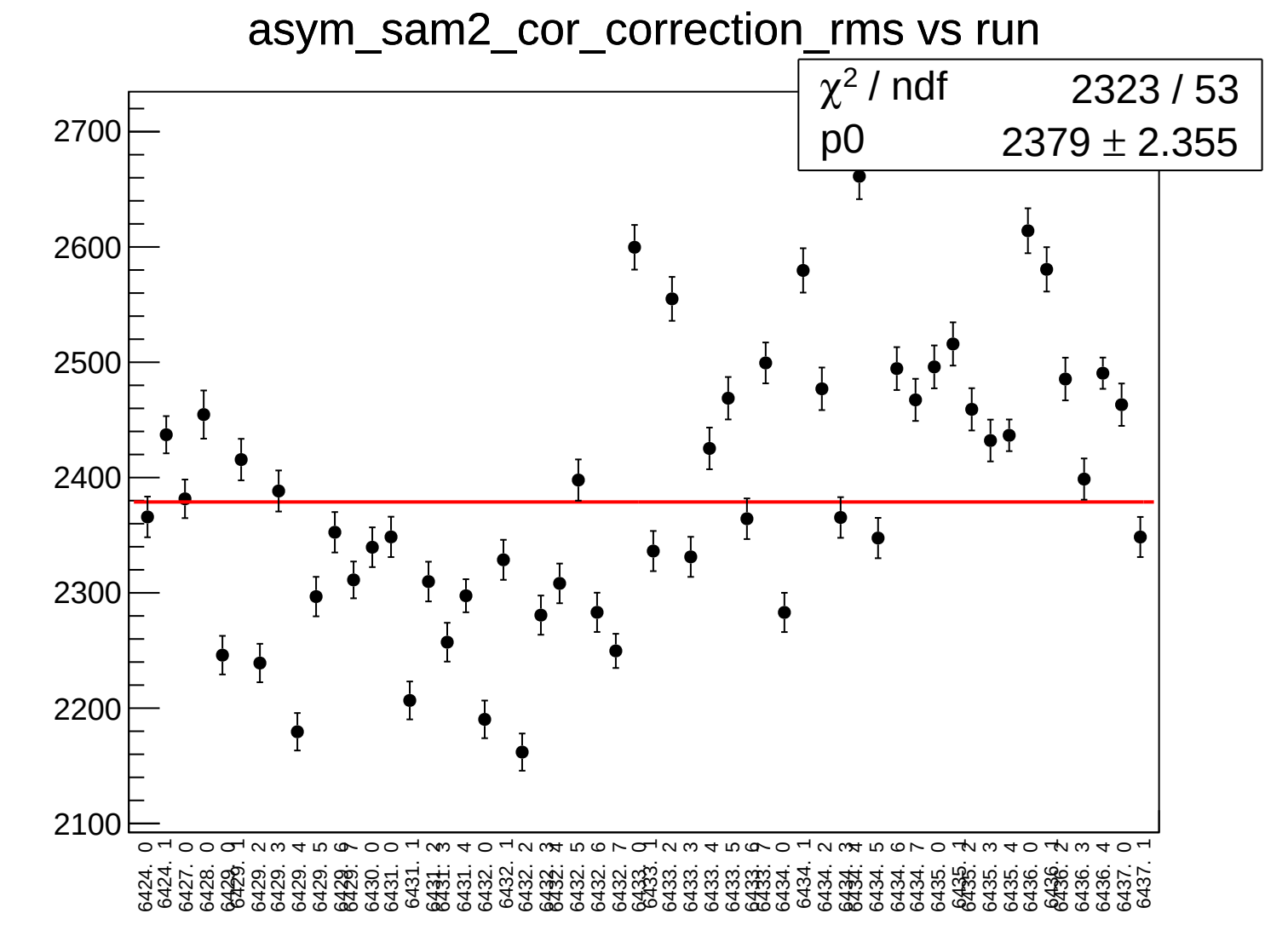

pull1D
Entries 54
Mean 0.004861
Std Dev 0.8944

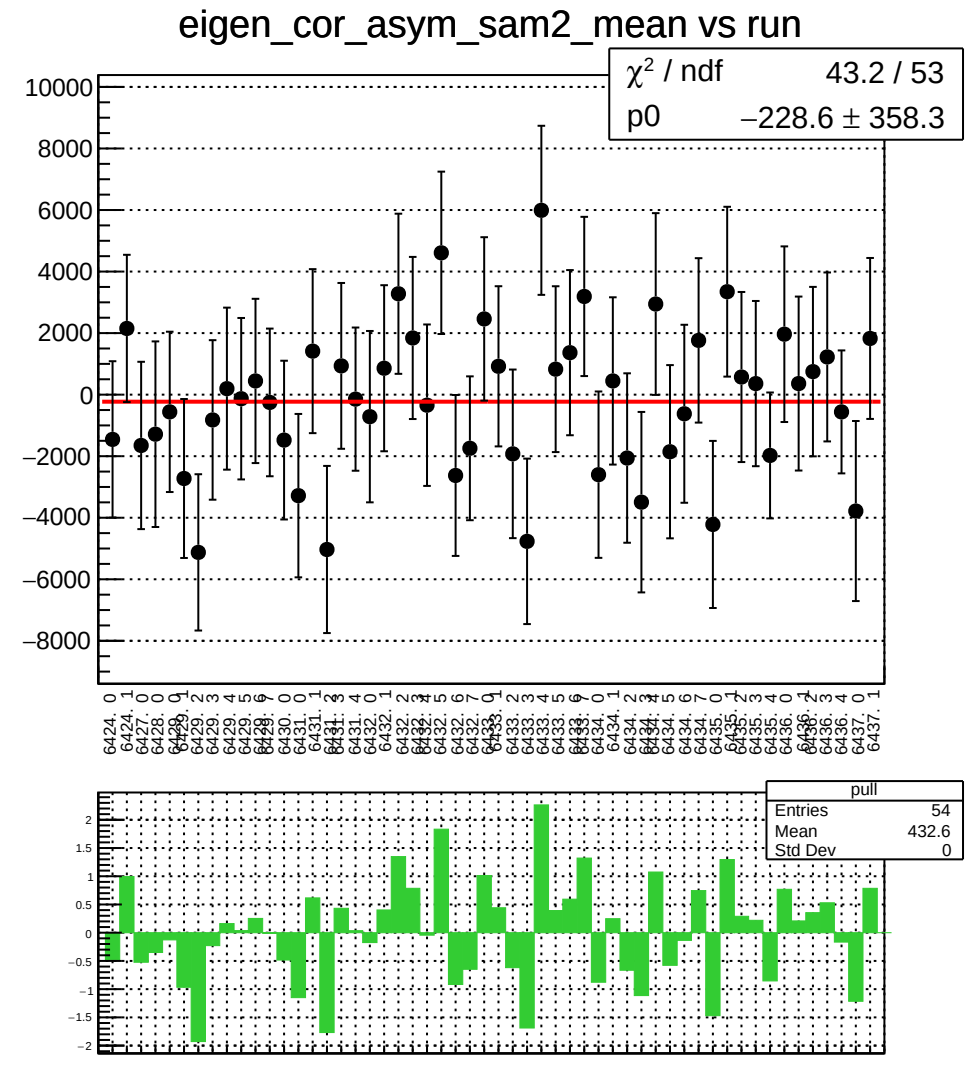

cor_asym_sam2_rms vs run
χ² / ndf 1200 / 53
p0 256.1 ± 0.2534
280
270
260
250
240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

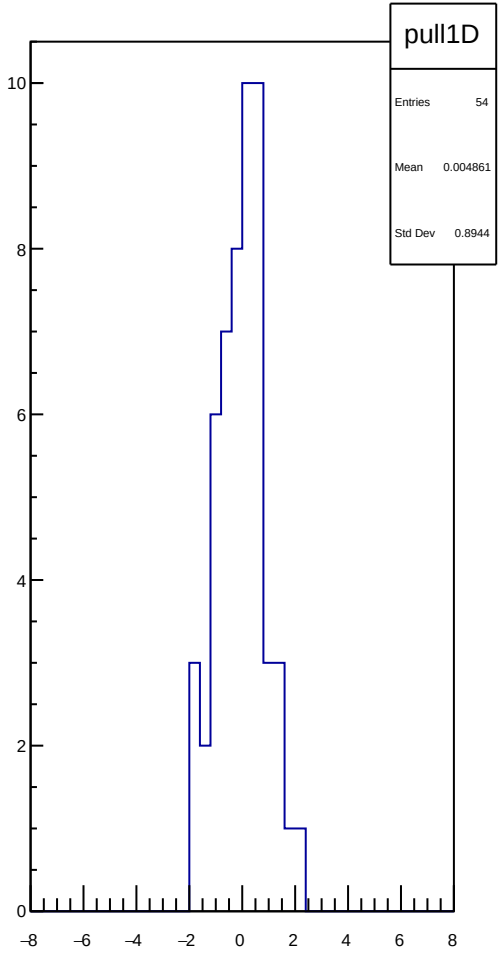

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 83.53 / 53
p0 4592 ± 3331
100
50
0
−50
−100

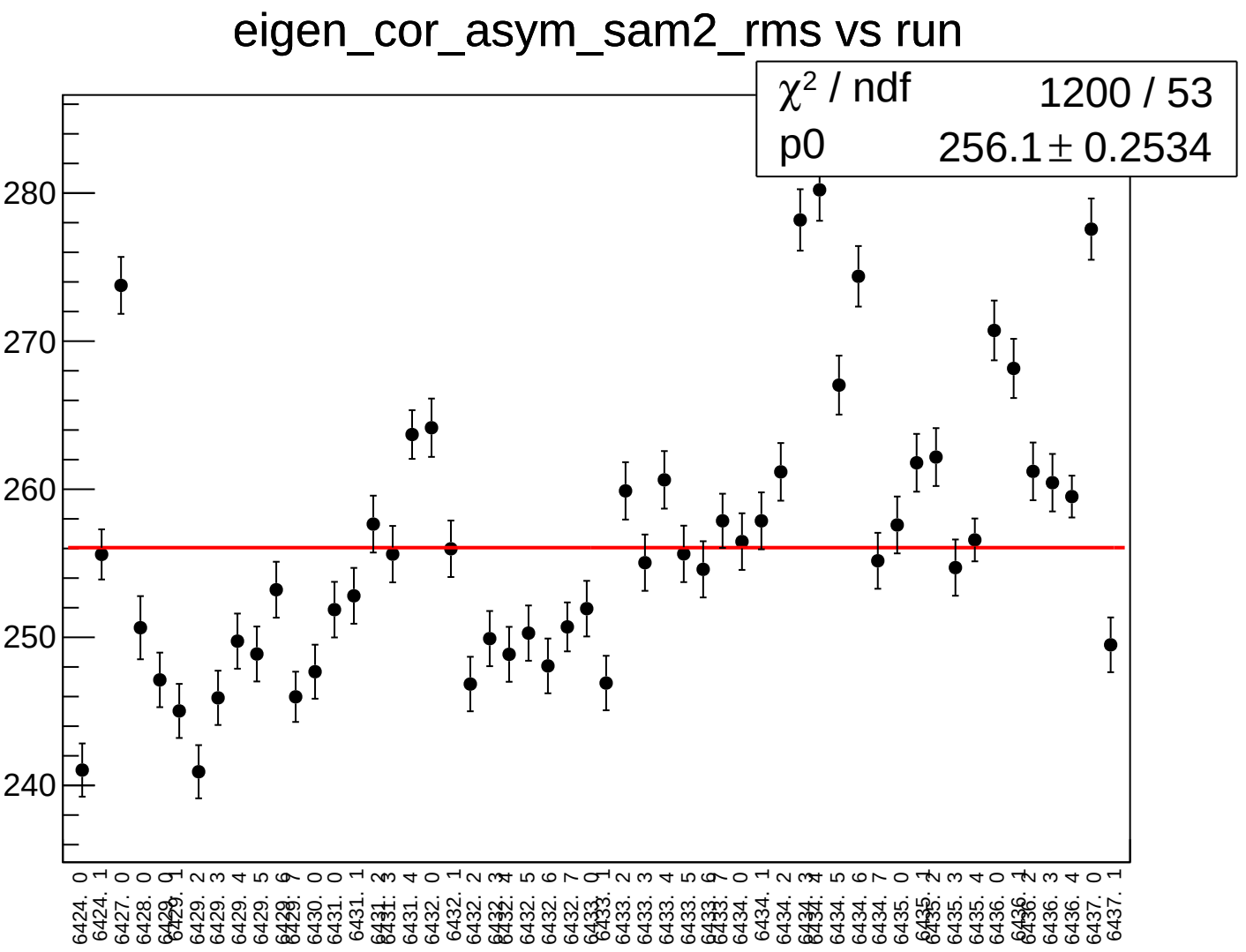

pull
Entries 54
Mean −15
Std Dev 0
3
2
1
0
−1
−2
−3

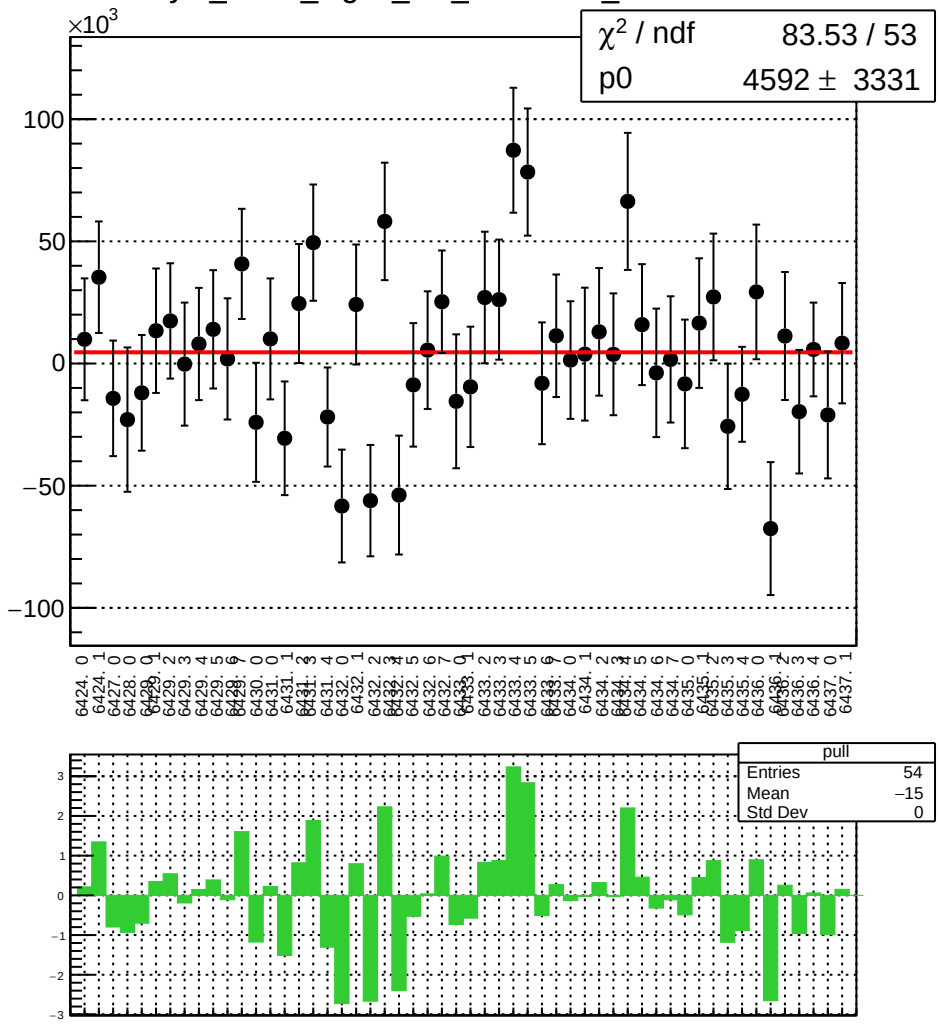

pull1D
Entries 54
Mean 0.01184
Std Dev 1.244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

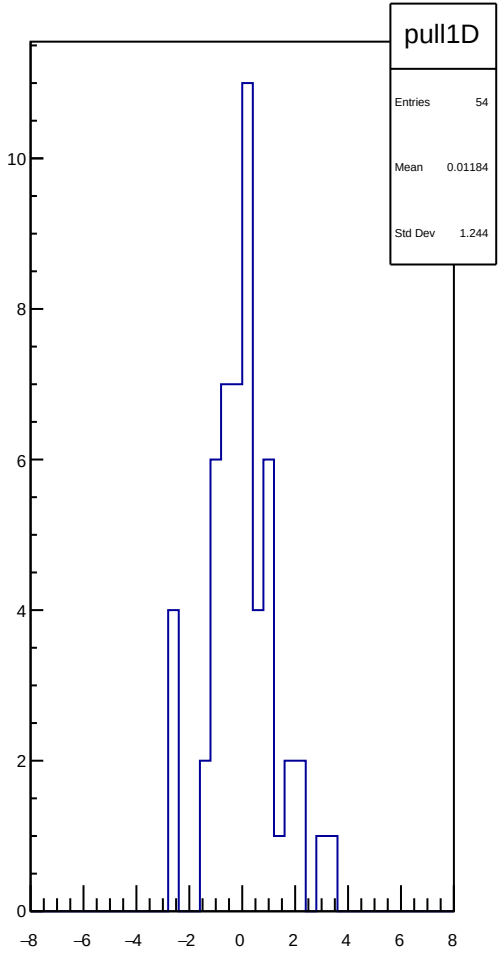

asym_sam2_cor_correction_rms vs run
χ² / ndf 2323 / 53
p0 2379 ± 2.355
2700
2600
2500
2400
2300
2200
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

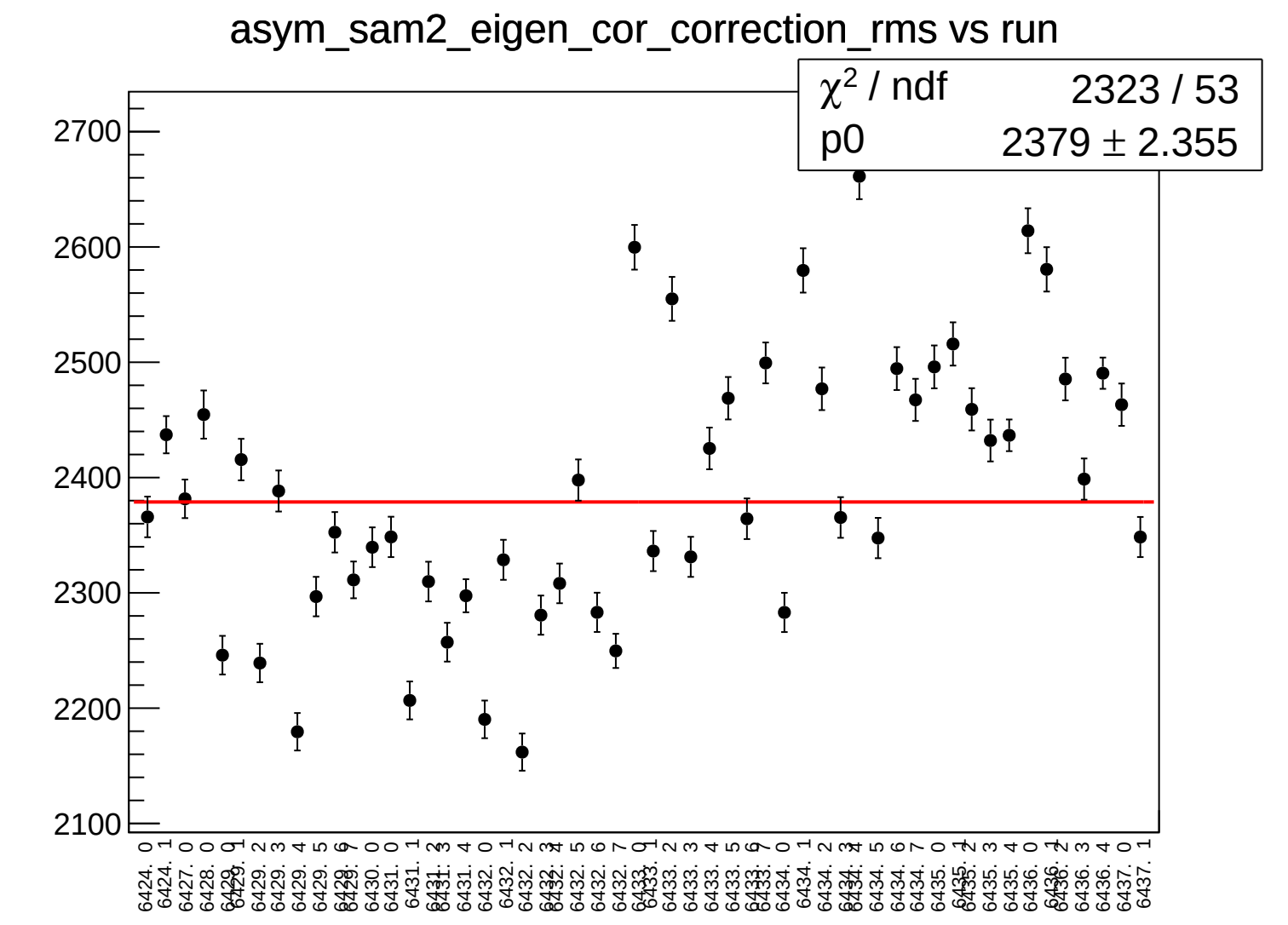

eigen_cor_asym_sam2_mean vs run
χ² / ndf 43.2 / 53
p0 −228.6 ± 358.3
pull
Entries 54
Mean 432.6
Std Dev 0

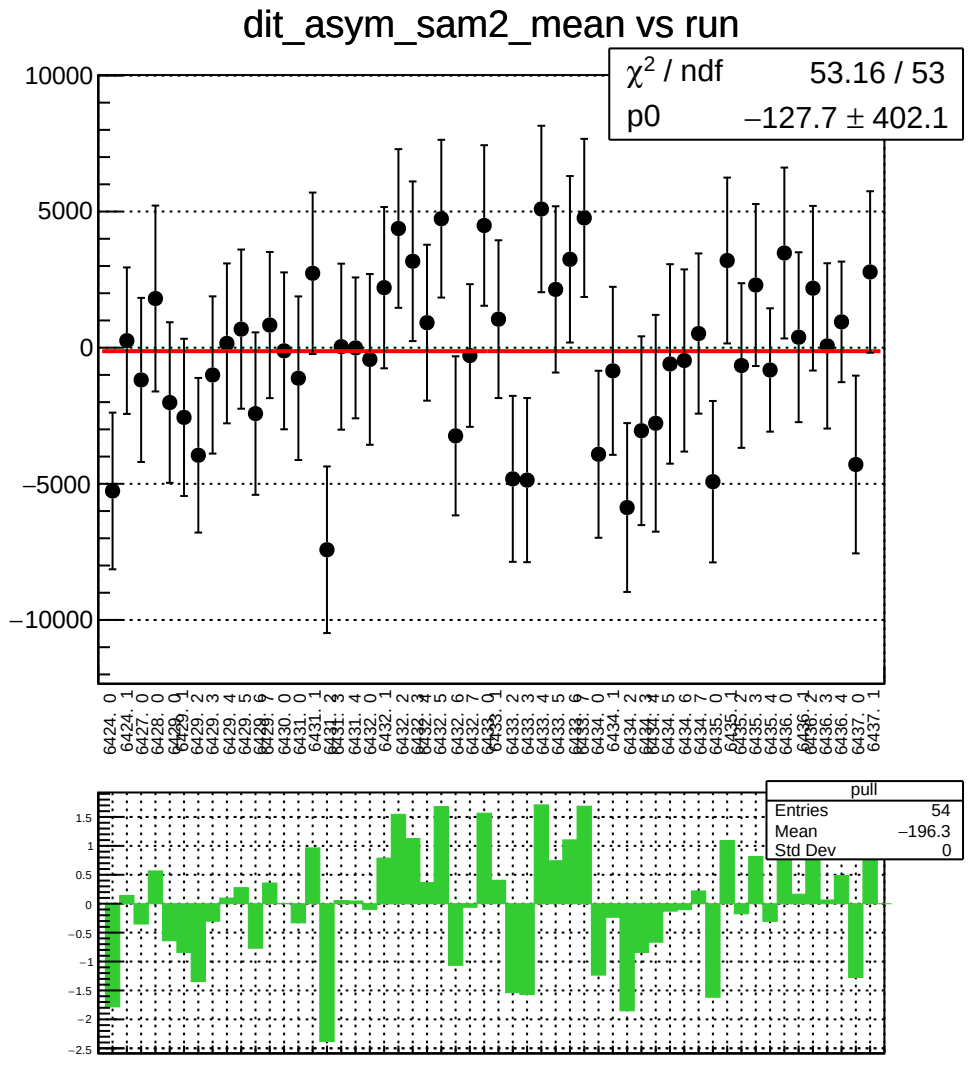

pull1D
Entries 54
Mean 0.004861
Std Dev 0.8944

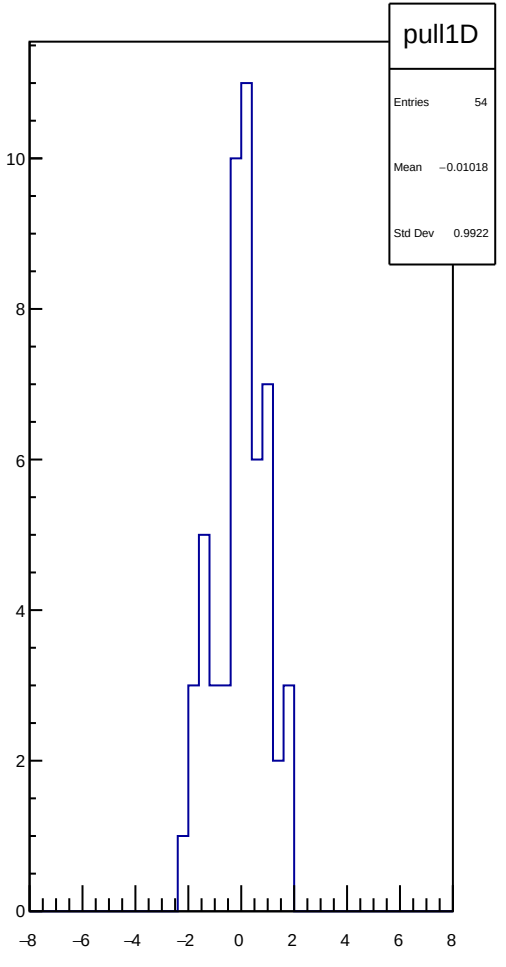

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1200 / 53
p0 256.1 ± 0.2534
280
270
260
250
240
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

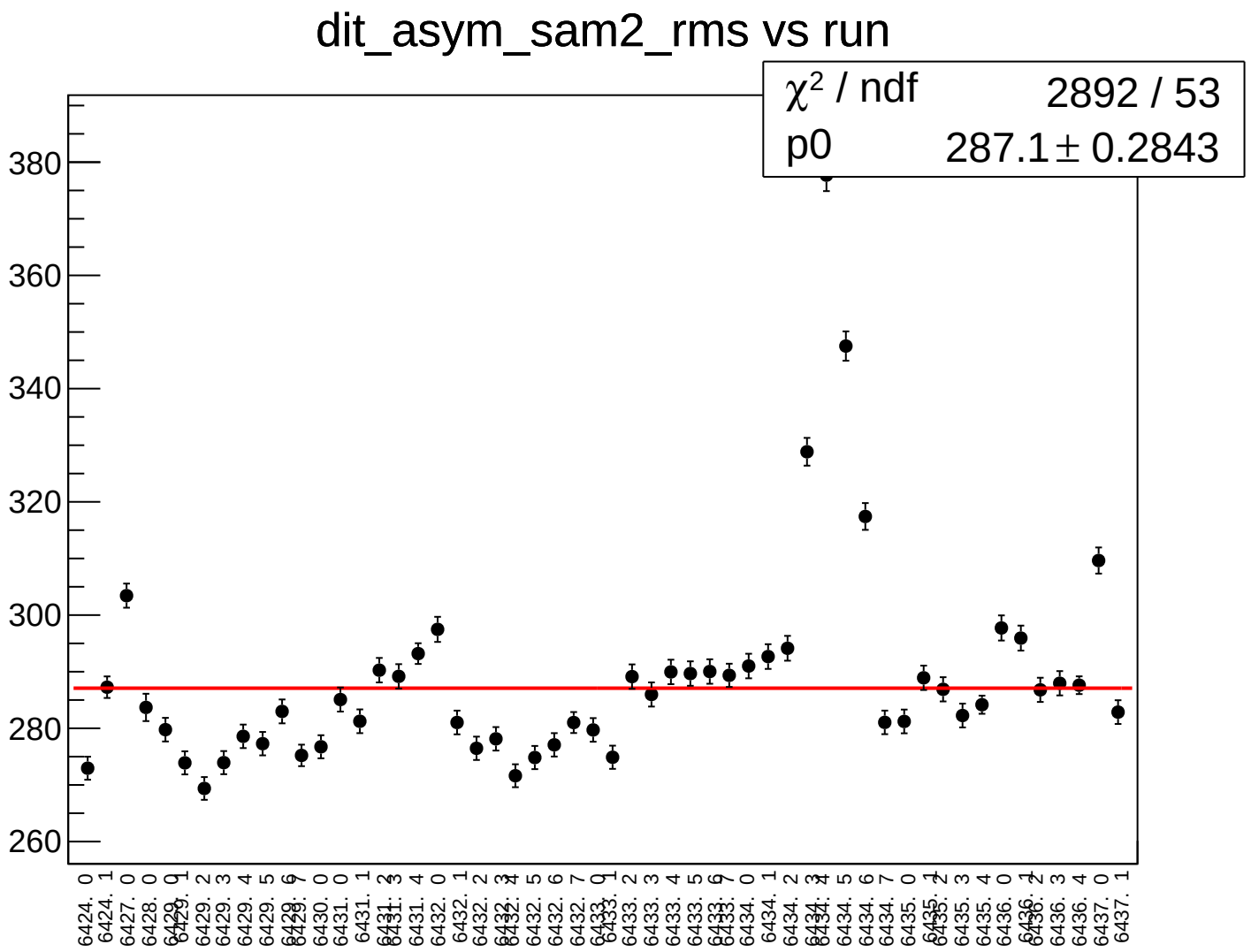

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 83.53 / 53
p0 4592 ± 3331
100
50
0
−50
−100
pull
Entries 54
Mean −15
Std Dev 0
3
2
1
0
−1
−2
−3

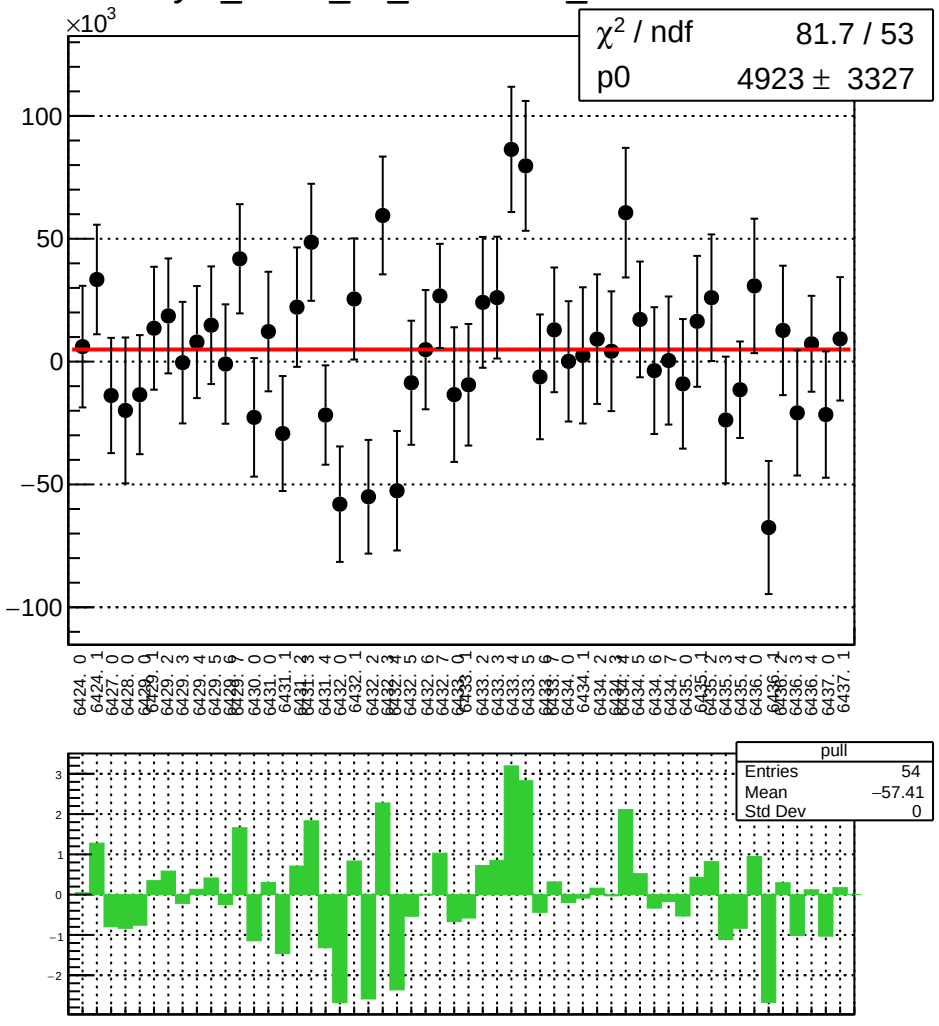

pull1D
Entries 54
Mean 0.01184
Std Dev 1.244
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

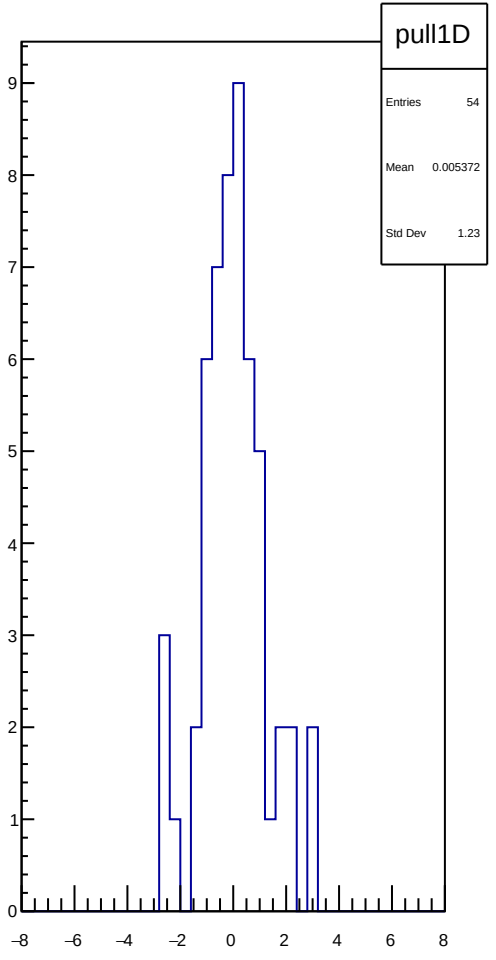

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 2323 / 53
p0 2379 ± 2.355
2700
2600
2500
2400
2300
2200
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

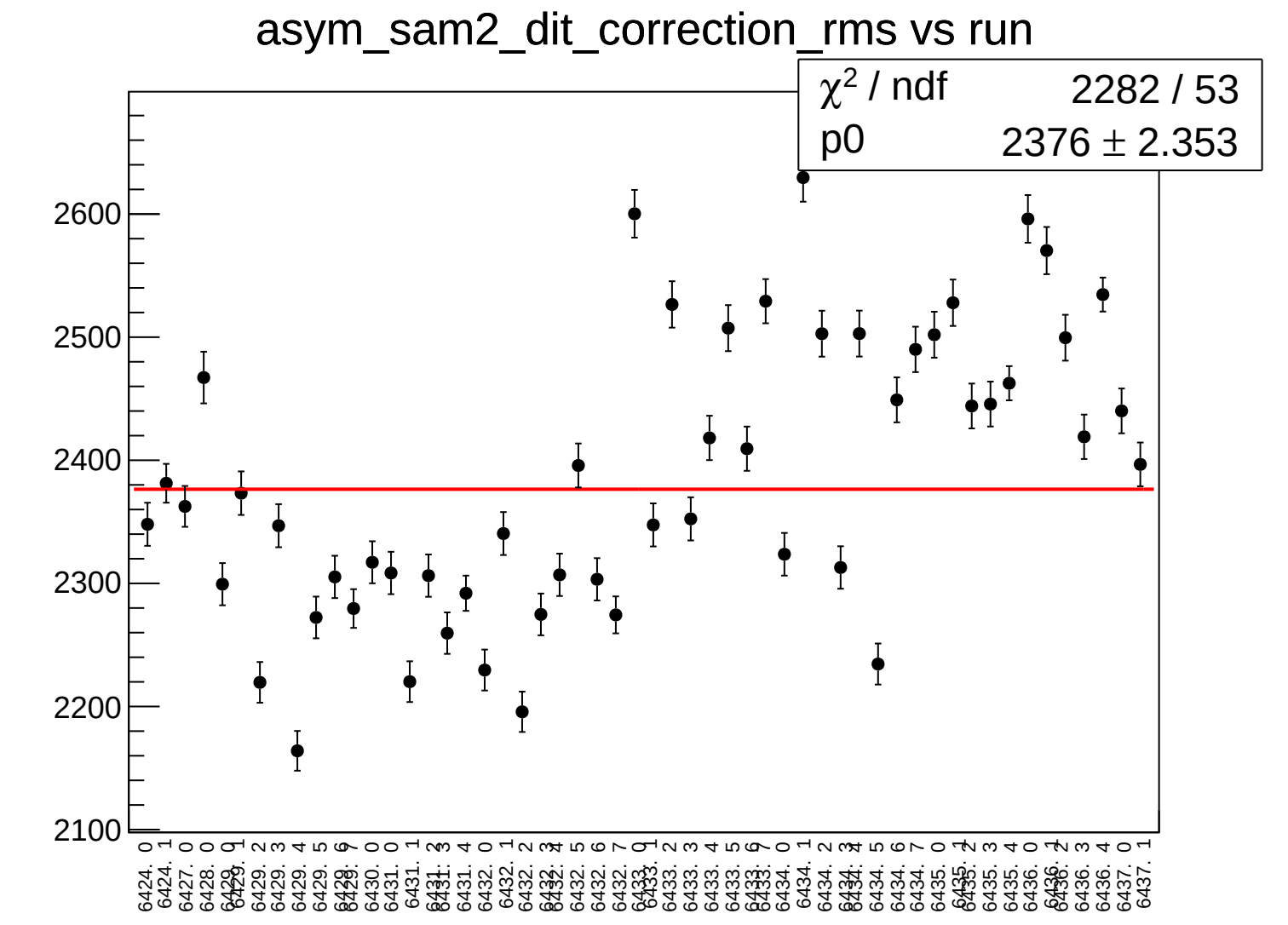

dit_asym_sam2_mean vs run
χ² / ndf 53.16 / 53
p0 −127.7 ± 402.1
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −196.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

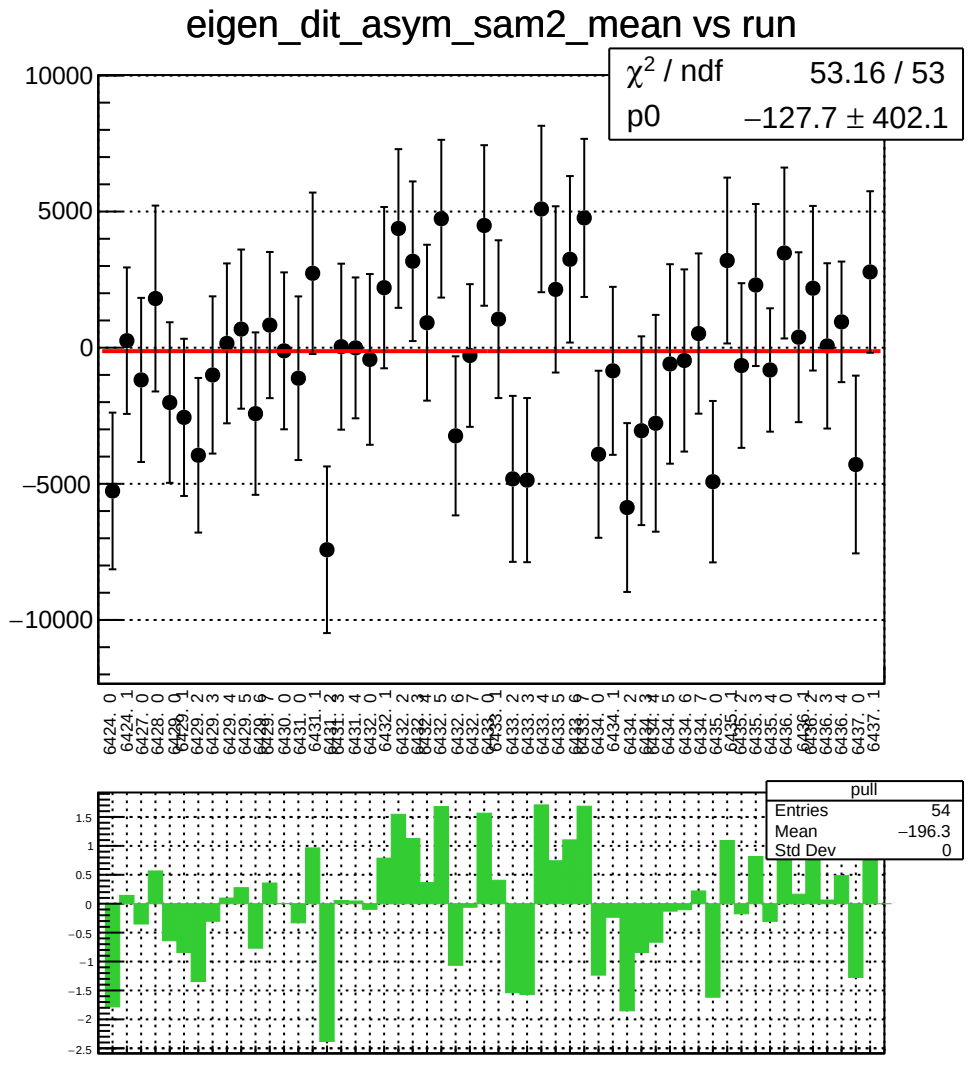

pull1D
Entries 54
Mean −0.01018
Std Dev 0.9922
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

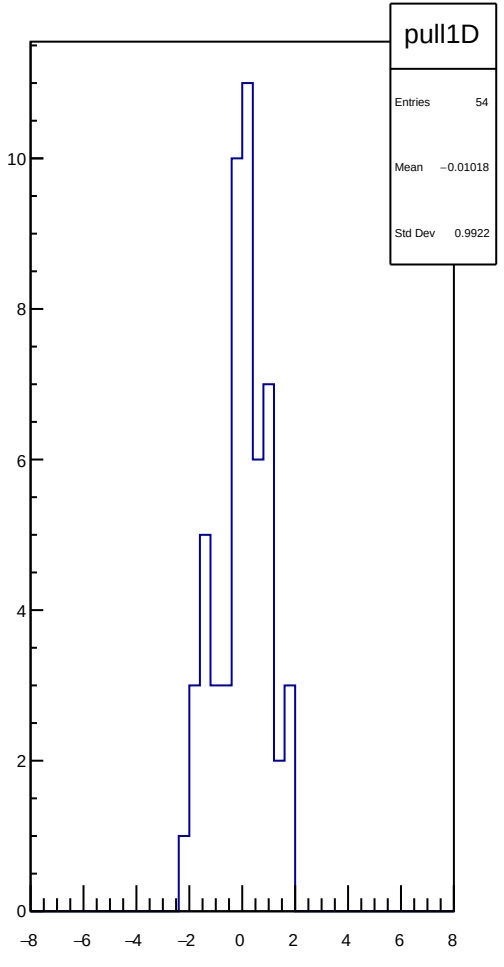

dit_asym_sam2_rms vs run
χ² / ndf 2892 / 53
p0 287.1 ± 0.2843
380
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

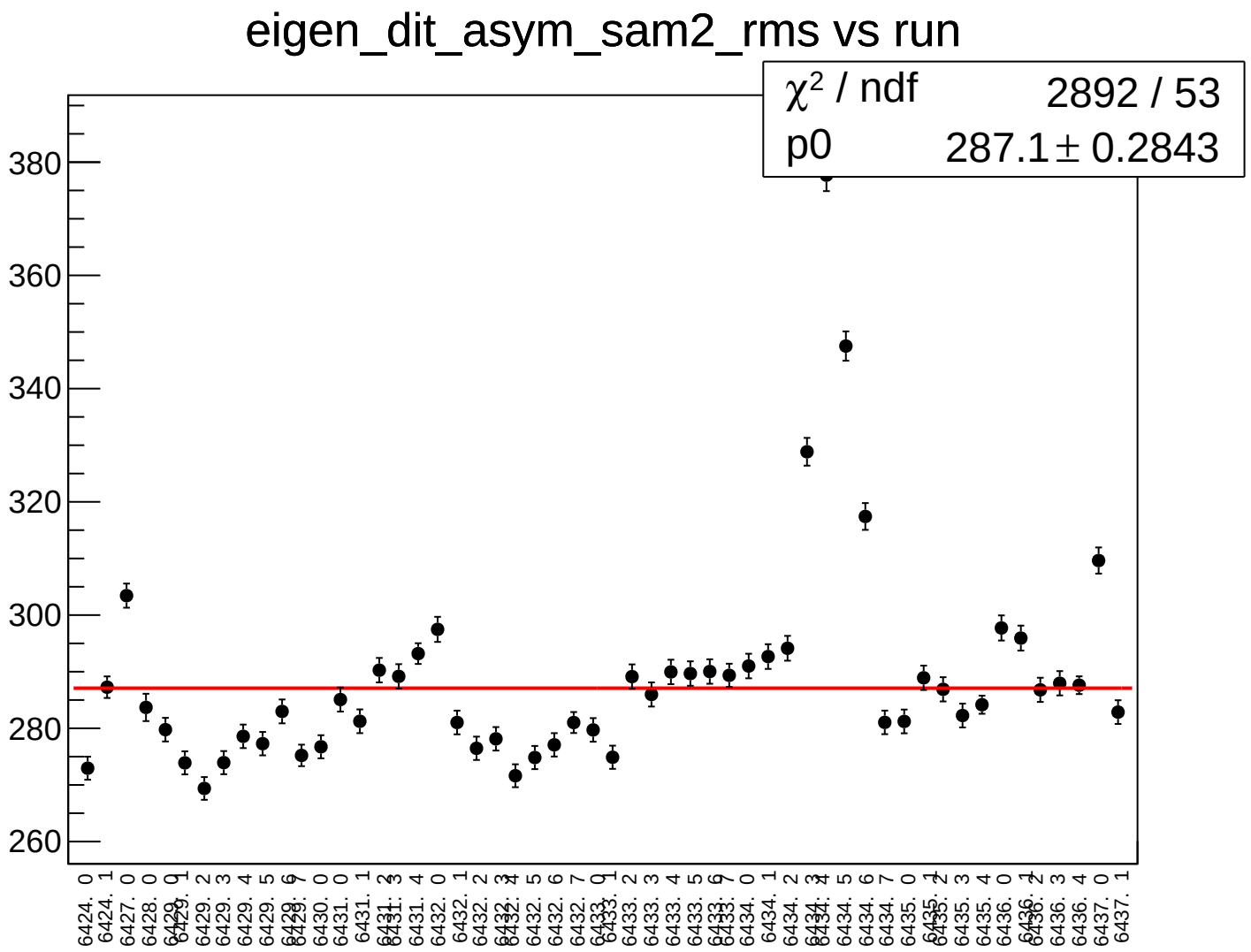

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 81.7 / 53
p0 4923 ± 3327
100
50
0
−50
−100
pull
Entries 54
Mean −57.41
Std Dev 0
3
2
1
0
−1
−2

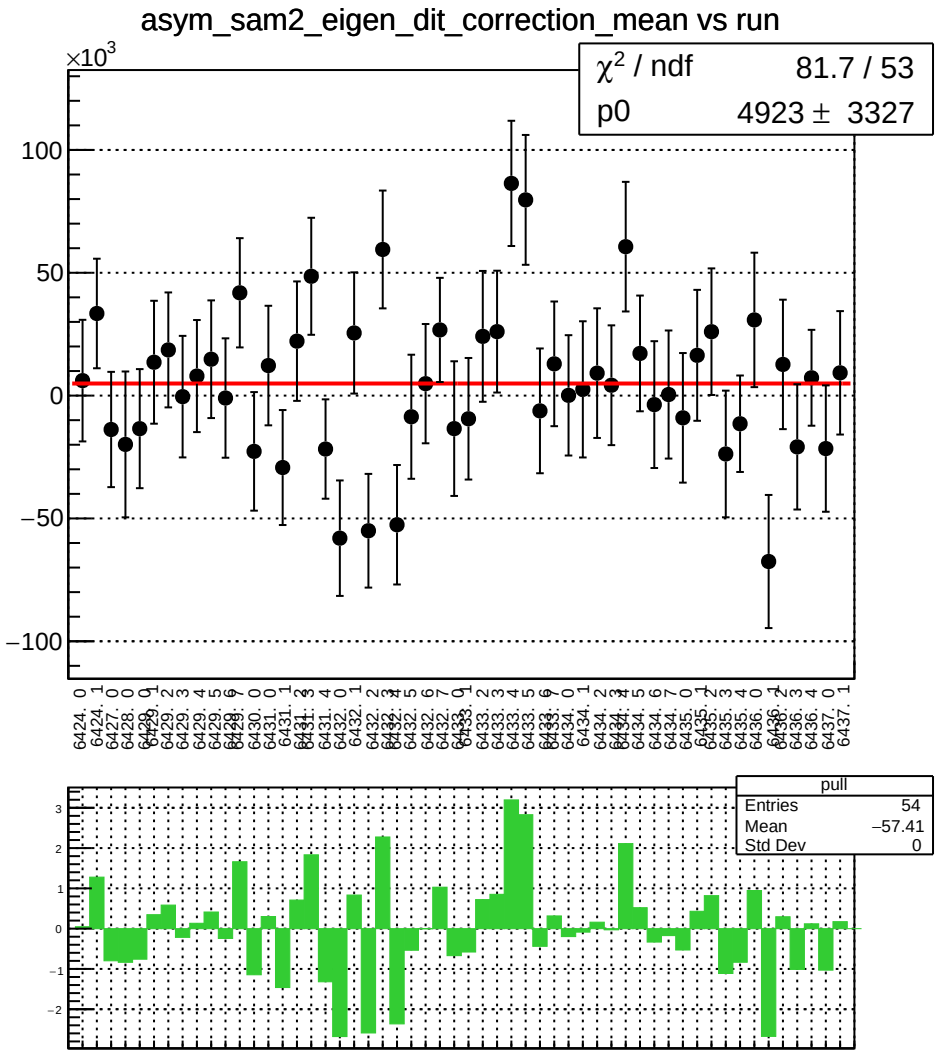

pull1D
Entries 54
Mean 0.005372
Std Dev 1.23
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

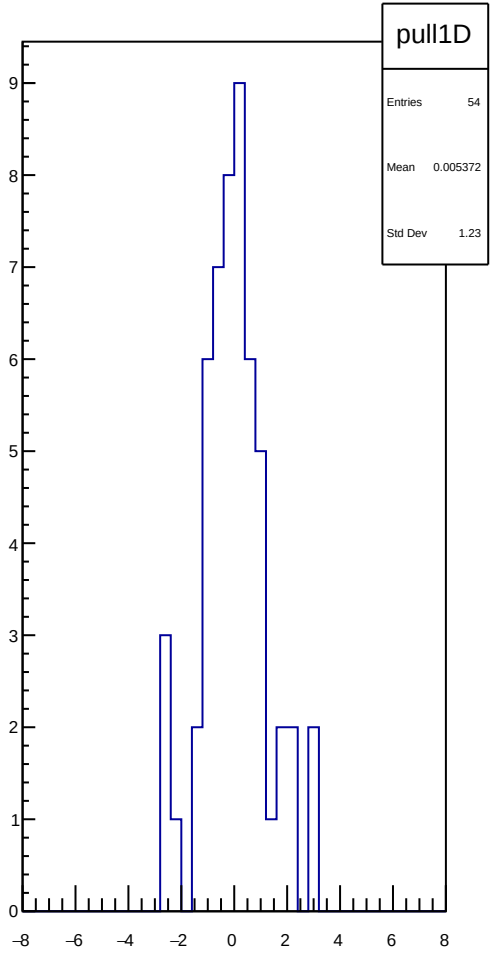

asym_sam2_dit_correction_rms vs run
χ² / ndf 2282 / 53
p0 2376 ± 2.353
2600
2500
2400
2300
2200
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

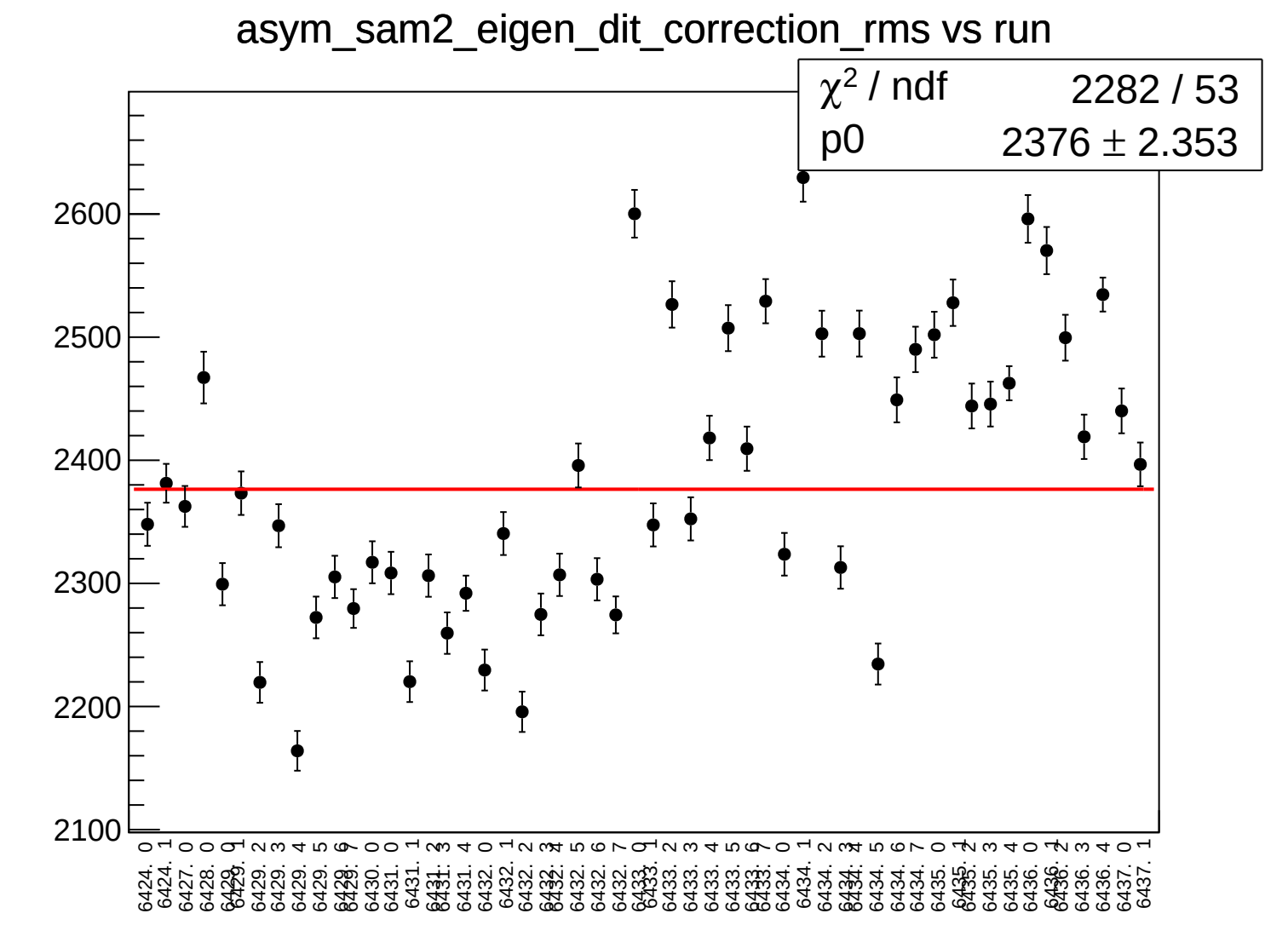

eigen_dit_asym_sam2_mean vs run
χ² / ndf 53.16 / 53
p0 −127.7 ± 402.1
pull
Entries 54
Mean −196.3
Std Dev 0

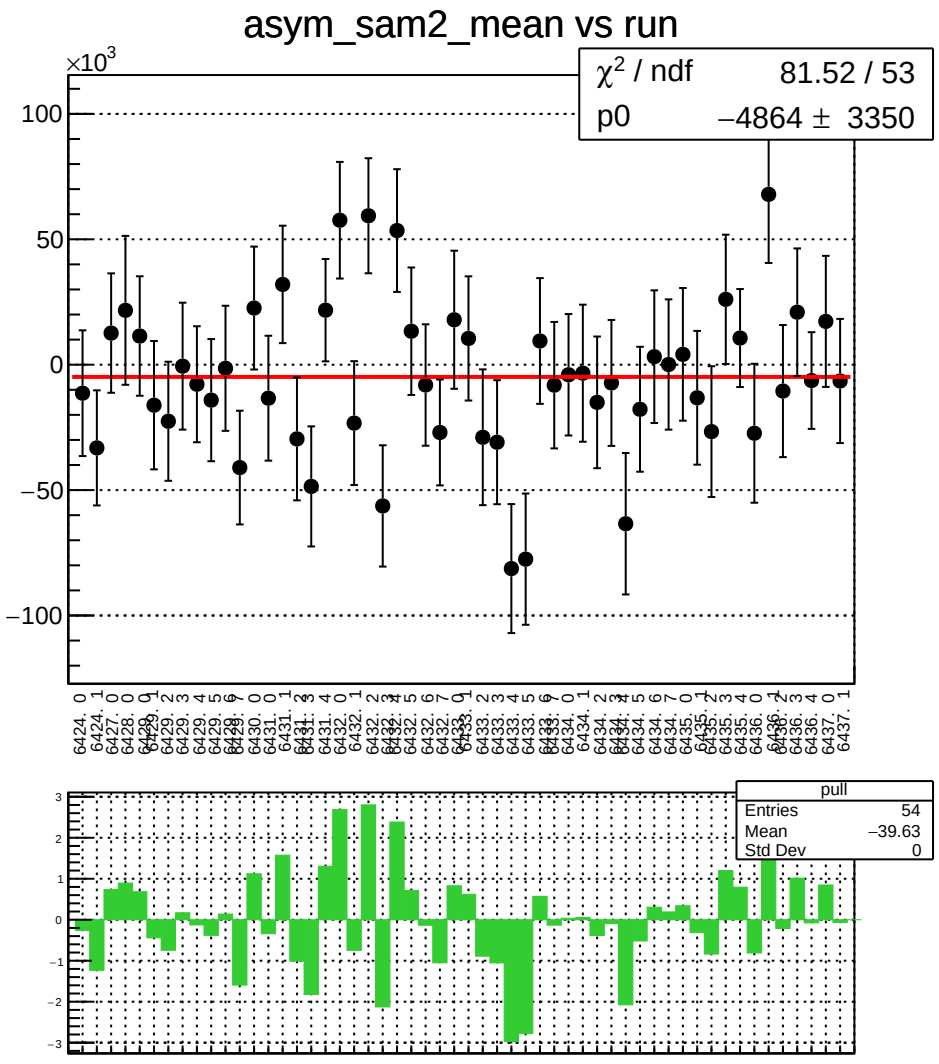

pull1D
Entries 54
Mean −0.01018
Std Dev 0.9922

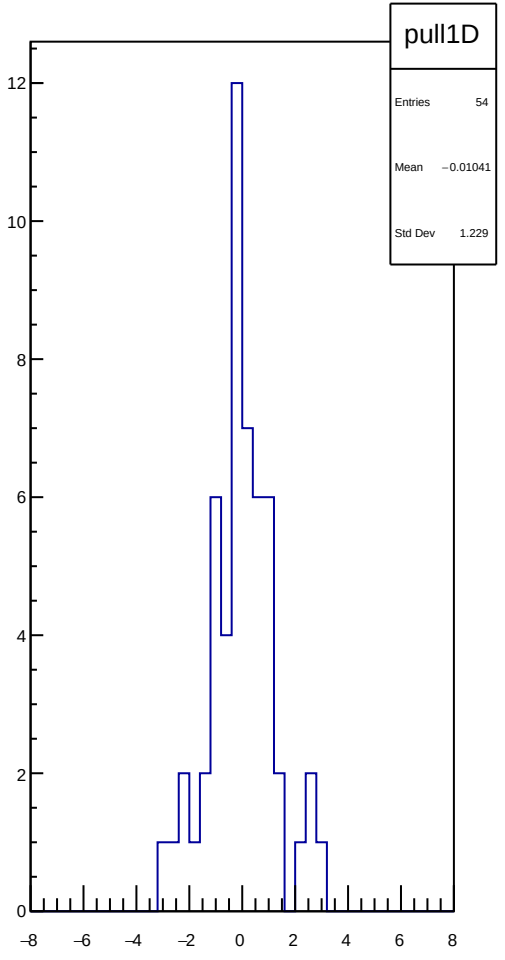

eigen_dit_asym_sam2_rms vs run
χ² / ndf 2892 / 53
p0 287.1 ± 0.2843
380
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

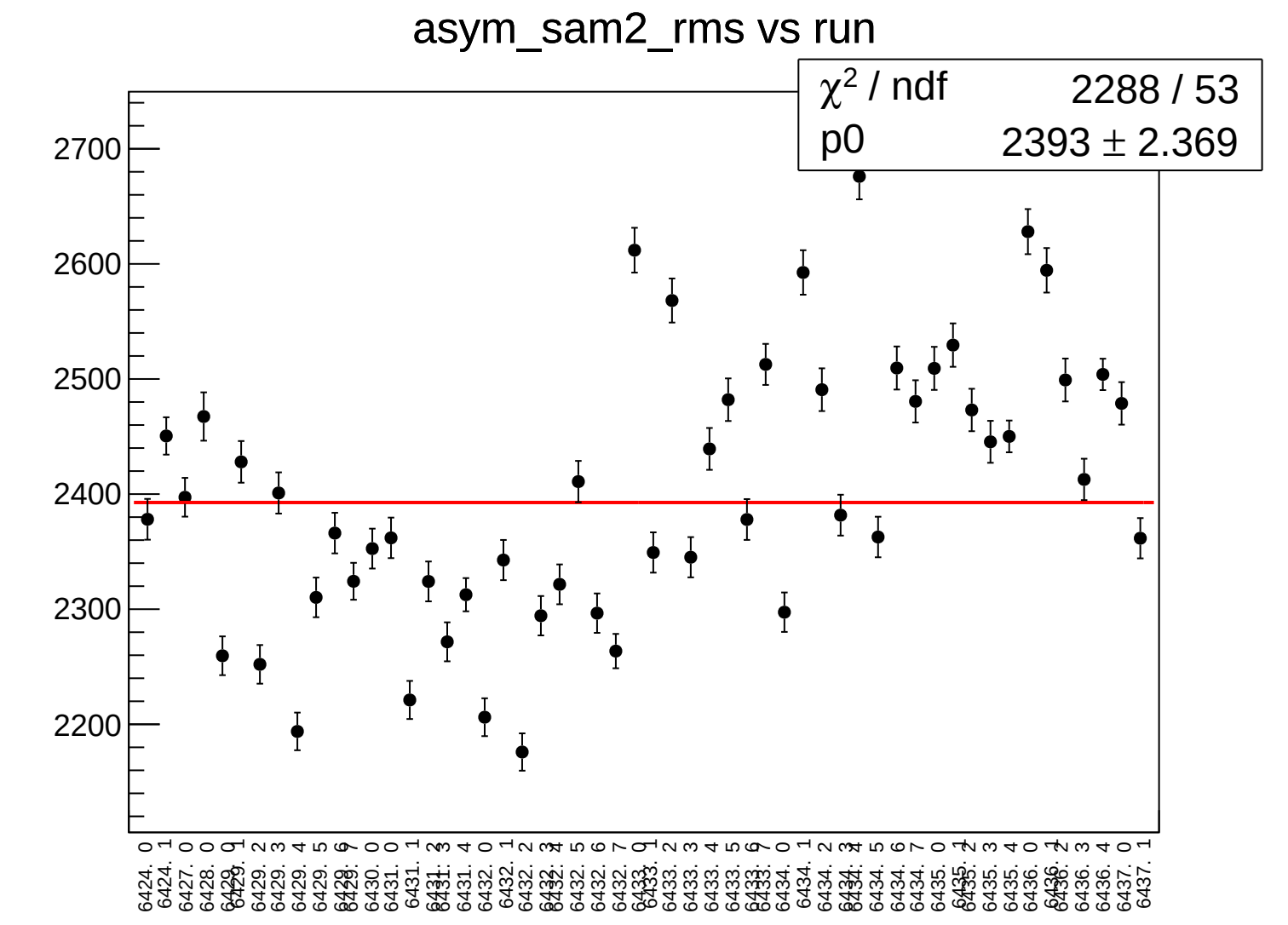

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.7 / 53
p0 4923 ± 3327
100
50
0
−50
−100
pull
Entries 54
Mean −57.41
Std Dev 0
3
2
1
0
−1
−2

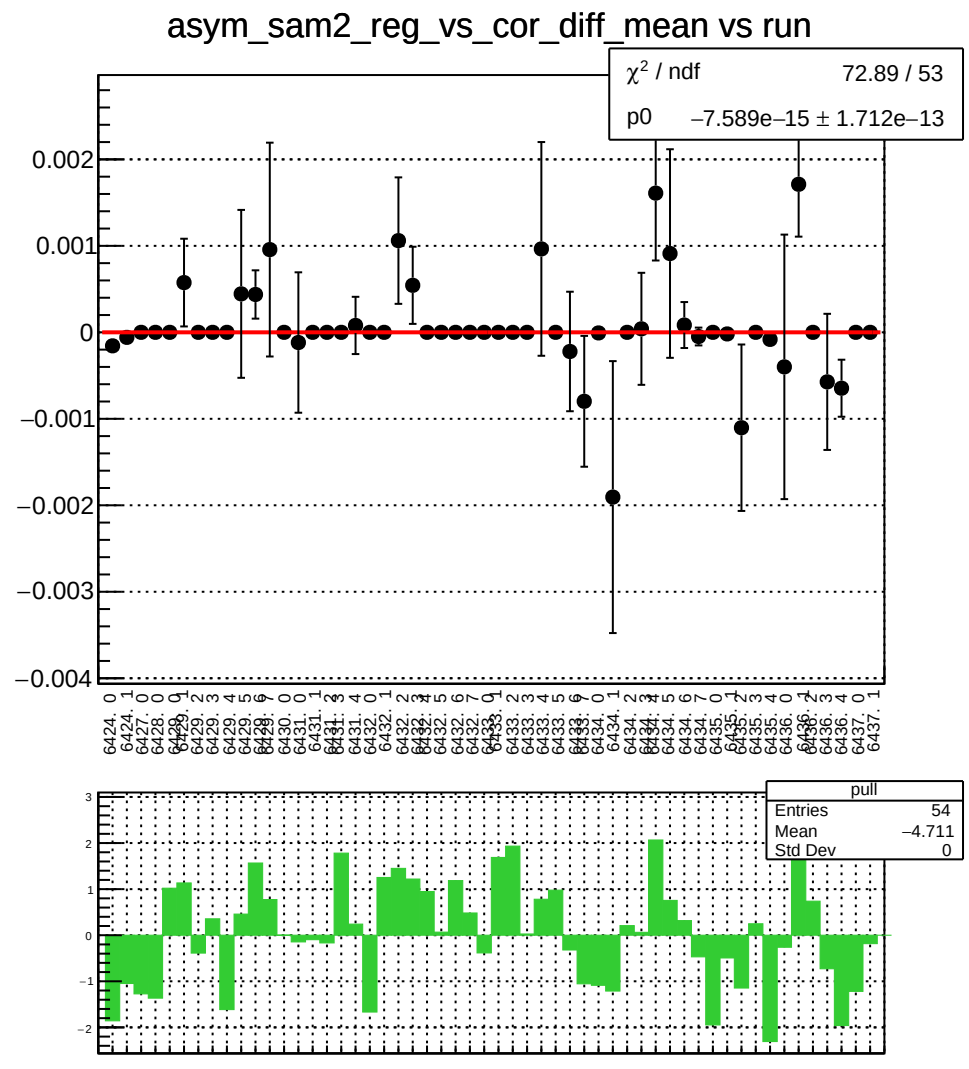

pull1D
Entries 54
Mean 0.005372
Std Dev 1.23
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

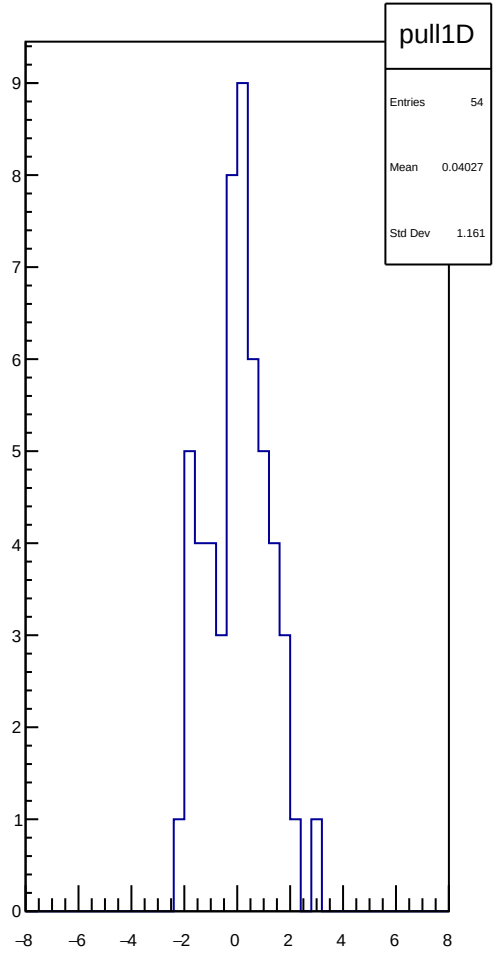

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 2282 / 53
p0 2376 ± 2.353
2600
2500
2400
2300
2200
2100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

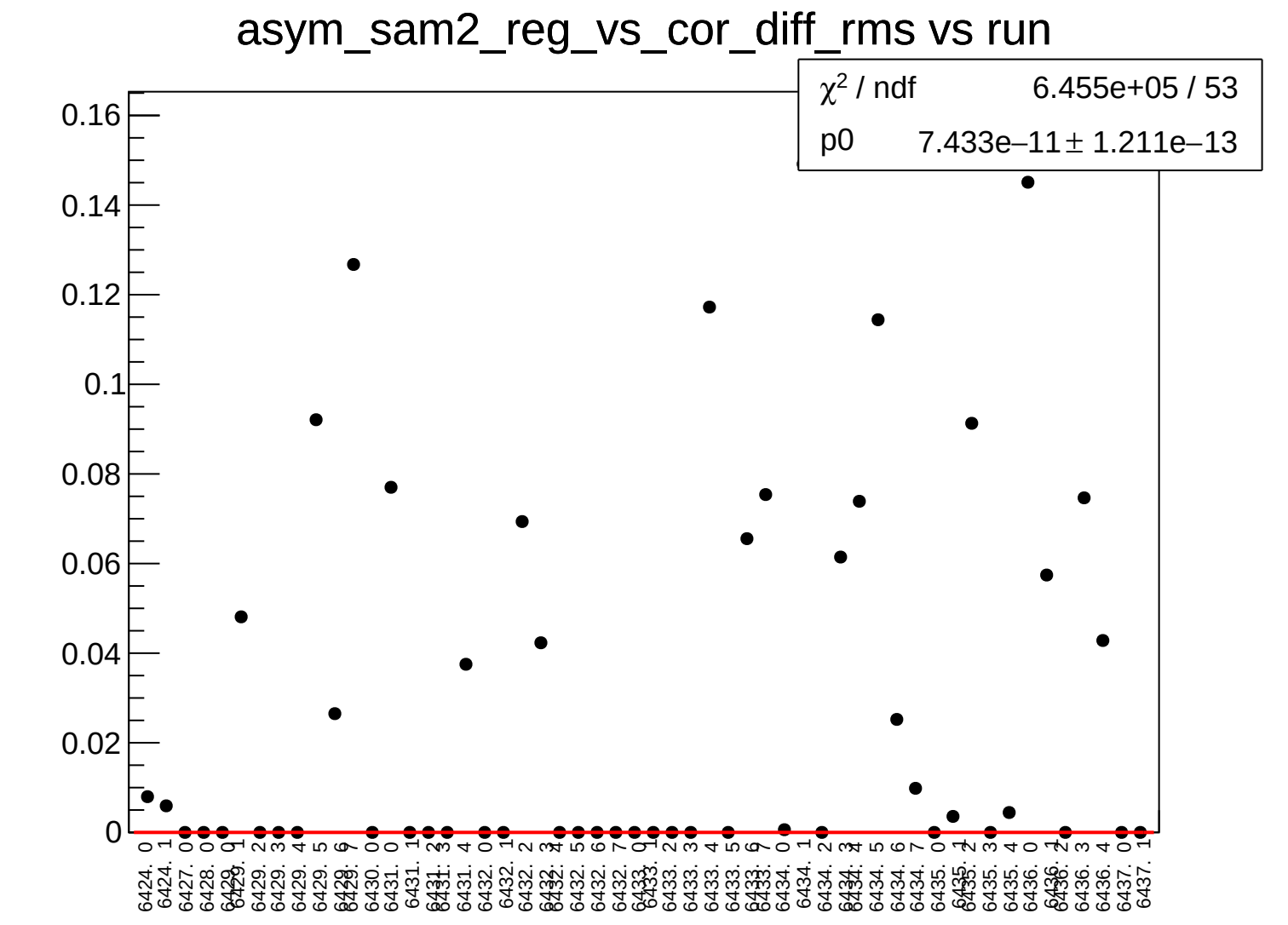

asym_sam2_mean vs run
×10^3
χ² / ndf 81.52 / 53
p0 −4864 ± 3350
100
50
0
−50
−100
pull
Entries 54
Mean −39.63
Std Dev 0
3
2
1
0
−1
−2
−3

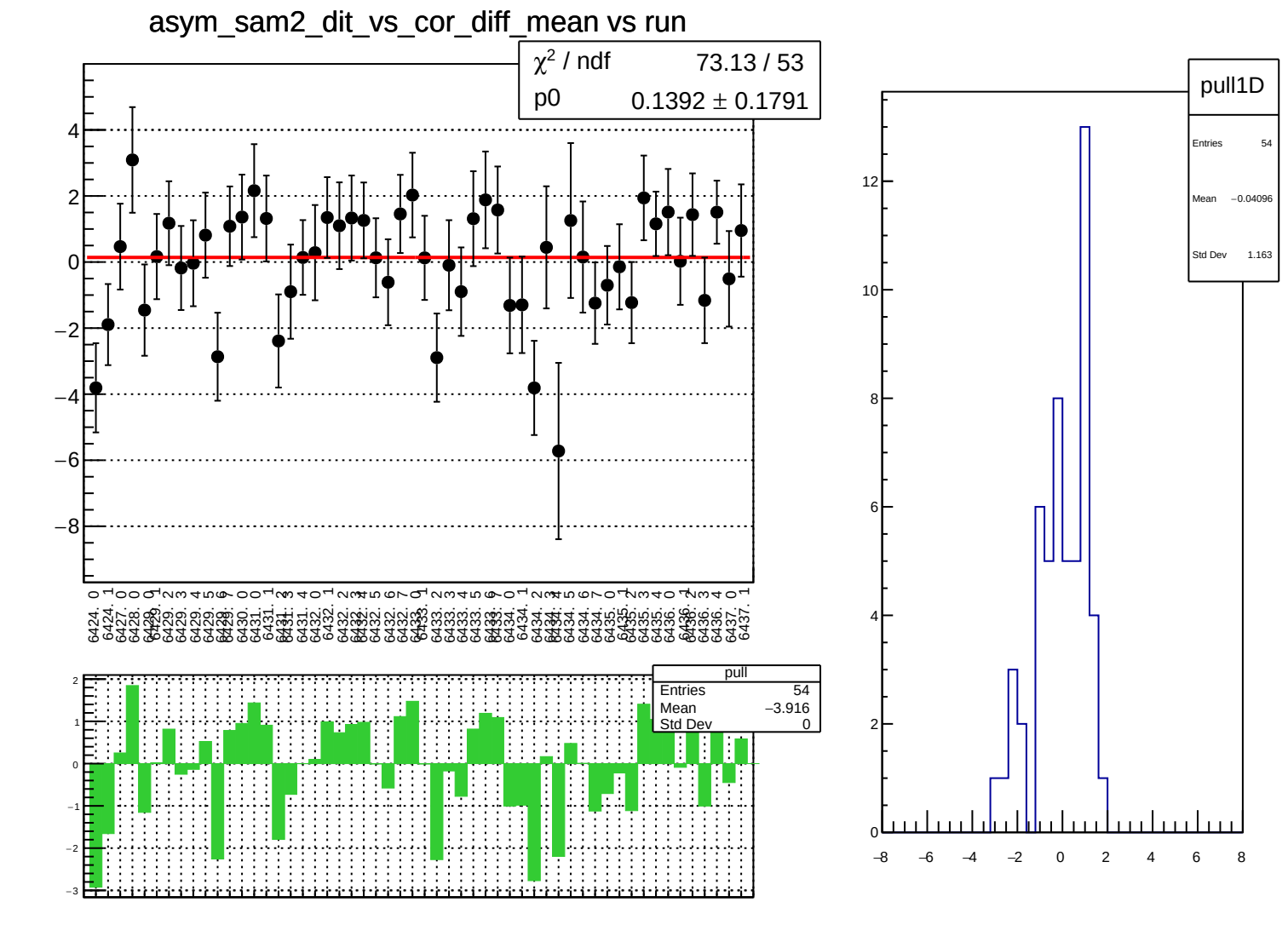

pull1D
Entries 54
Mean −0.01041
Std Dev 1.229
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

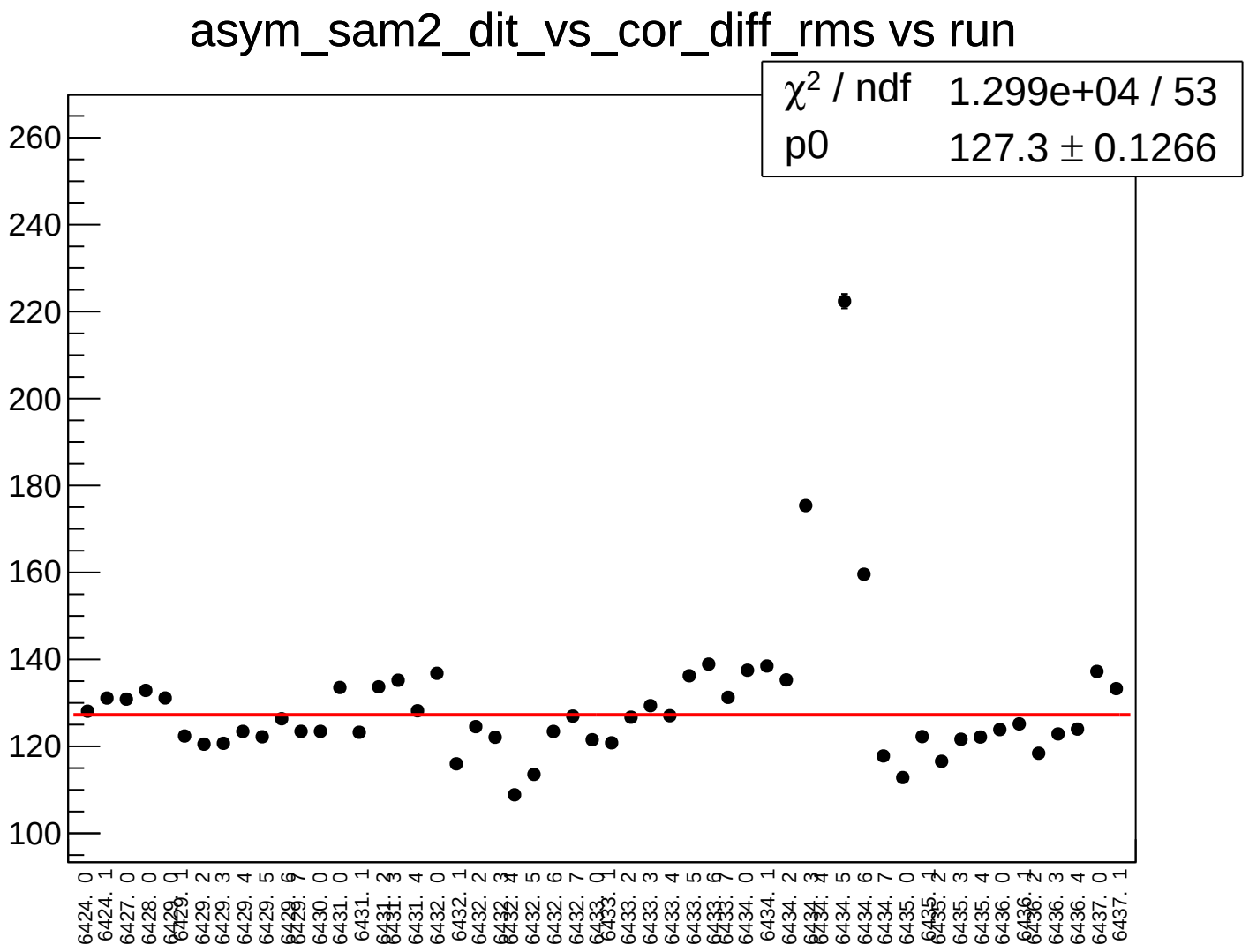

asym_sam2_rms vs run
χ² / ndf 2288 / 53
p0 2393 ± 2.369
2700
2600
2500
2400
2300
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

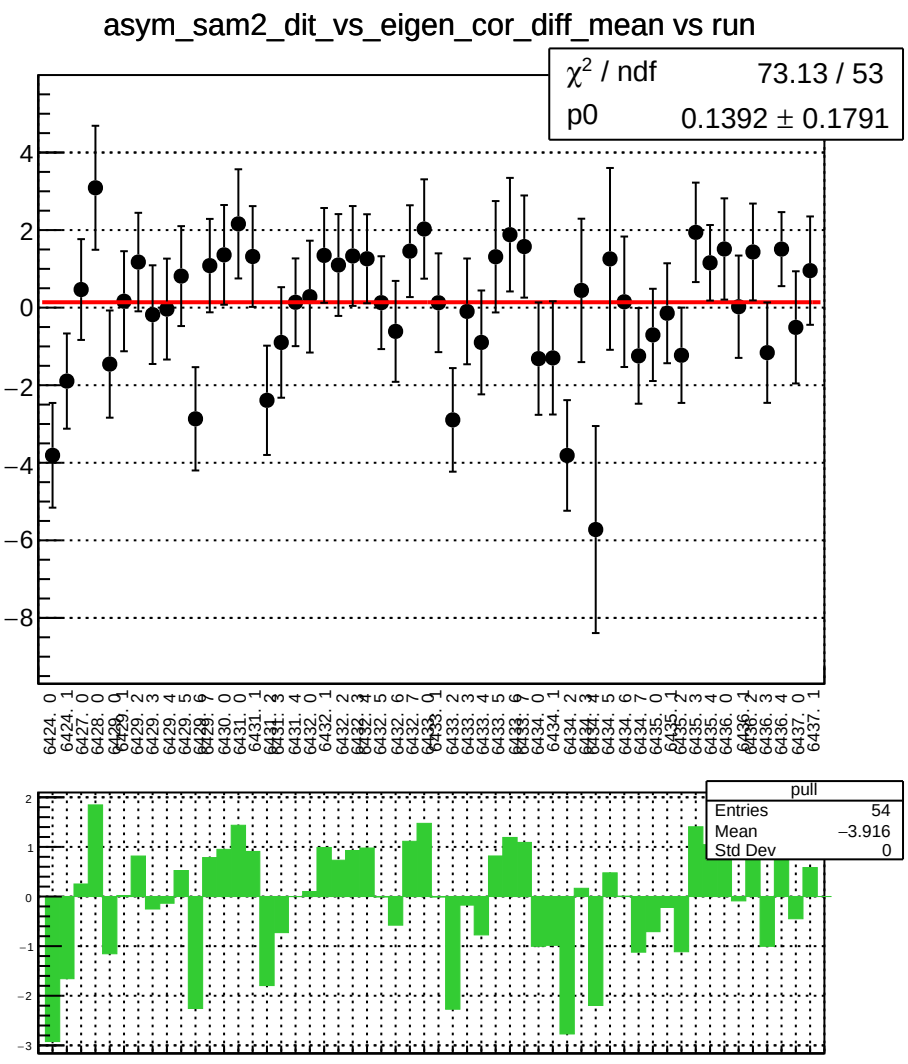

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 72.89 / 53
p0 −7.589e−15 ± 1.712e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 54
Mean −4.711
Std Dev 0
3
2
1
0
−1
−2

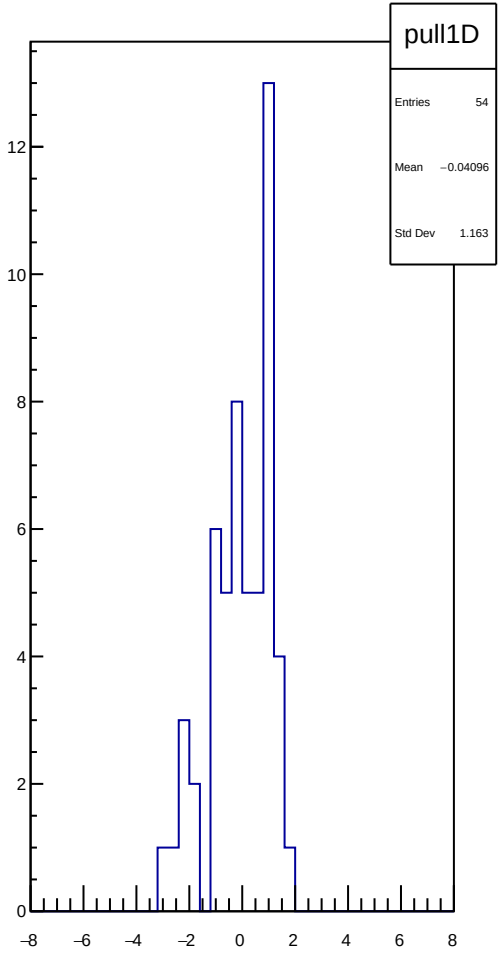

pull1D
Entries 54
Mean 0.04027
Std Dev 1.161
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

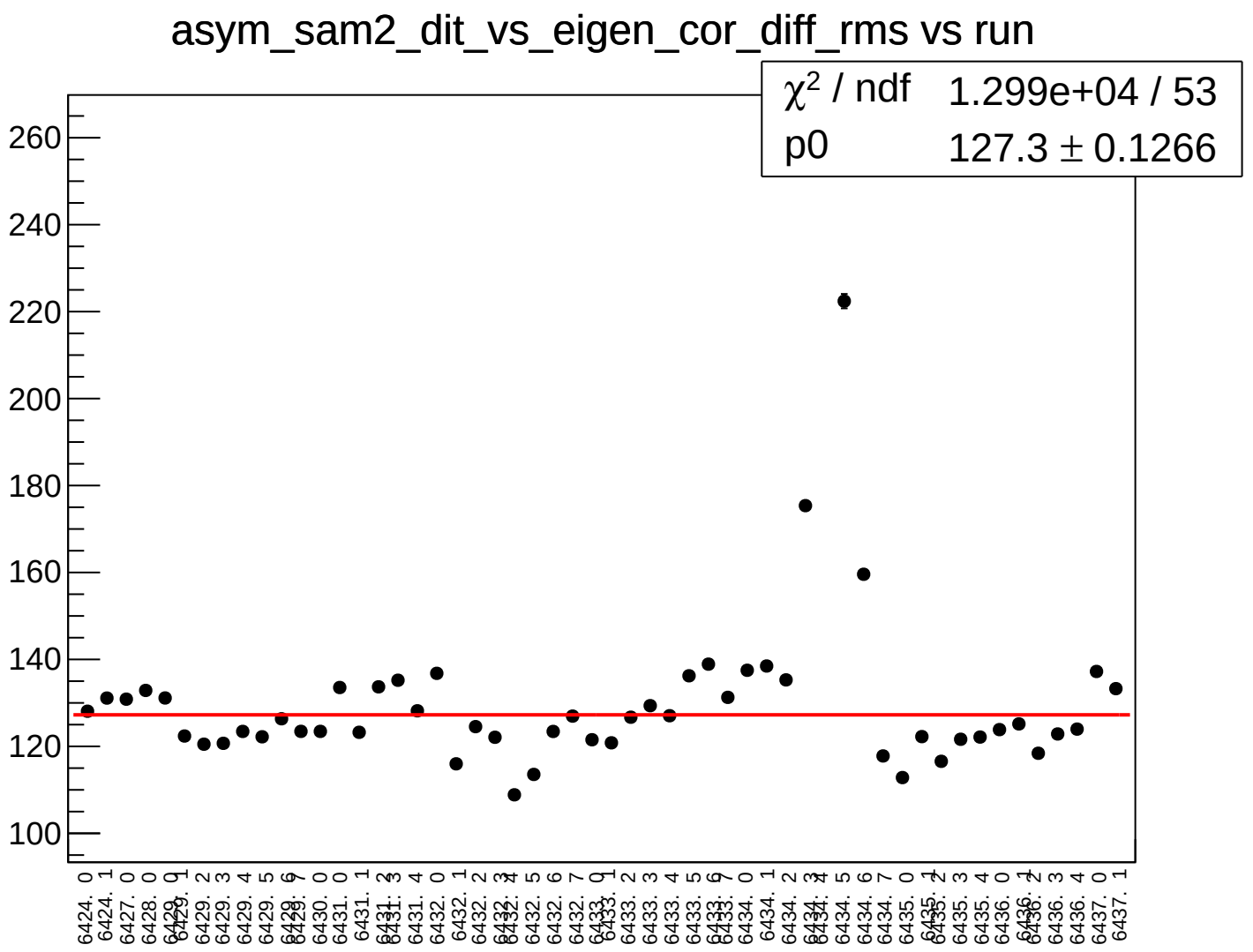

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.455e+05 / 53
p0 7.433e−11 ± 1.211e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

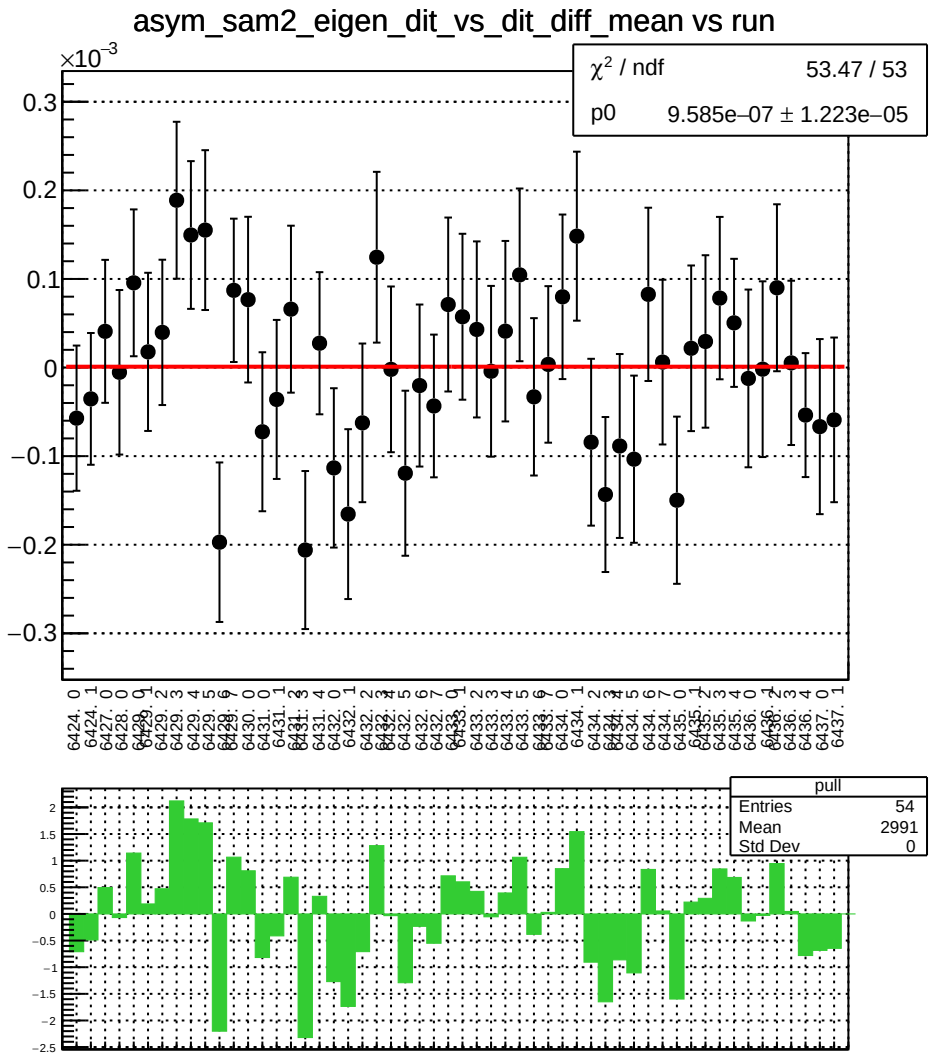

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 73.13 / 53
p0 0.1392 ± 0.1791
pull
Entries 54
Mean −3.916
Std Dev 0
pull1D
Entries 54
Mean −0.04096
Std Dev 1.163

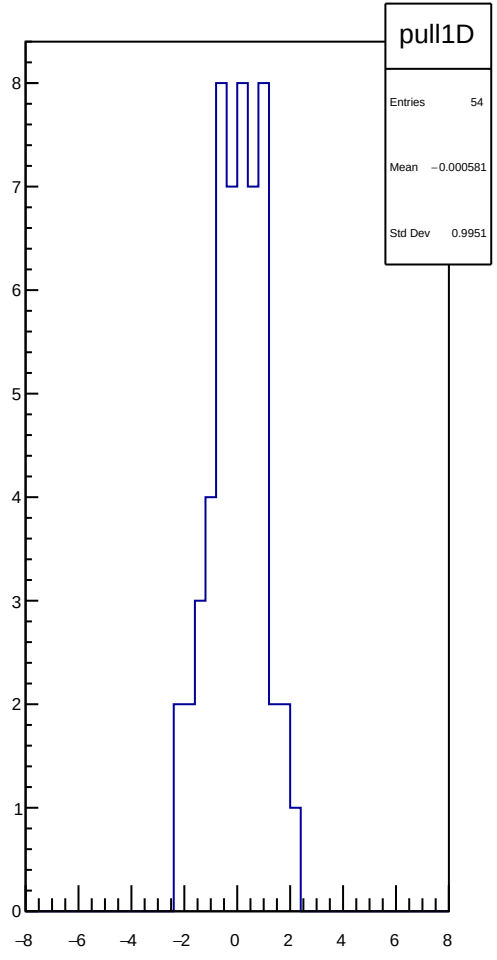

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.299e+04 / 53
p0 127.3 ± 0.1266
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

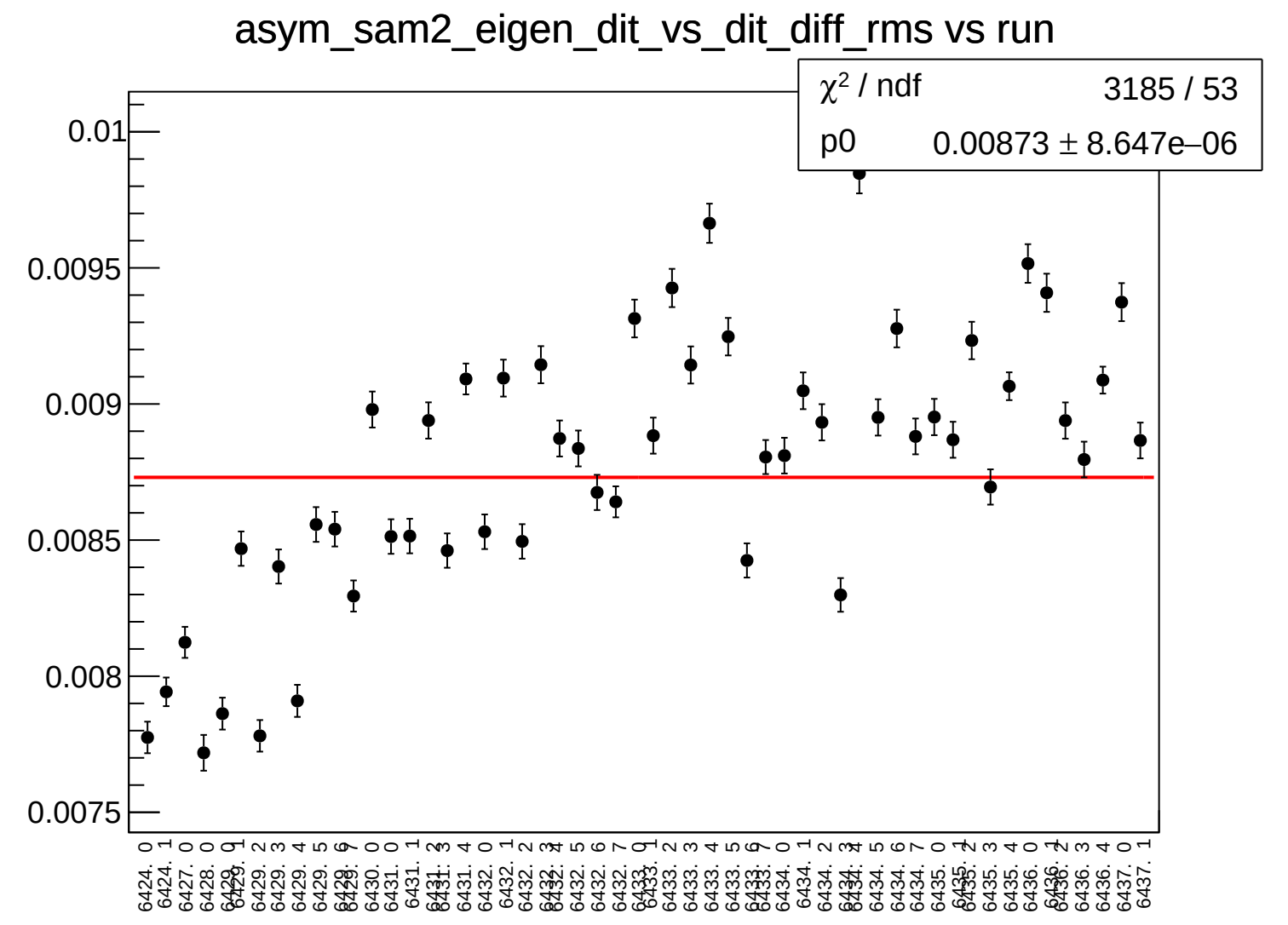

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.13 / 53
p0 0.1392 ± 0.1791
pull
Entries 54
Mean −3.916
Std Dev 0

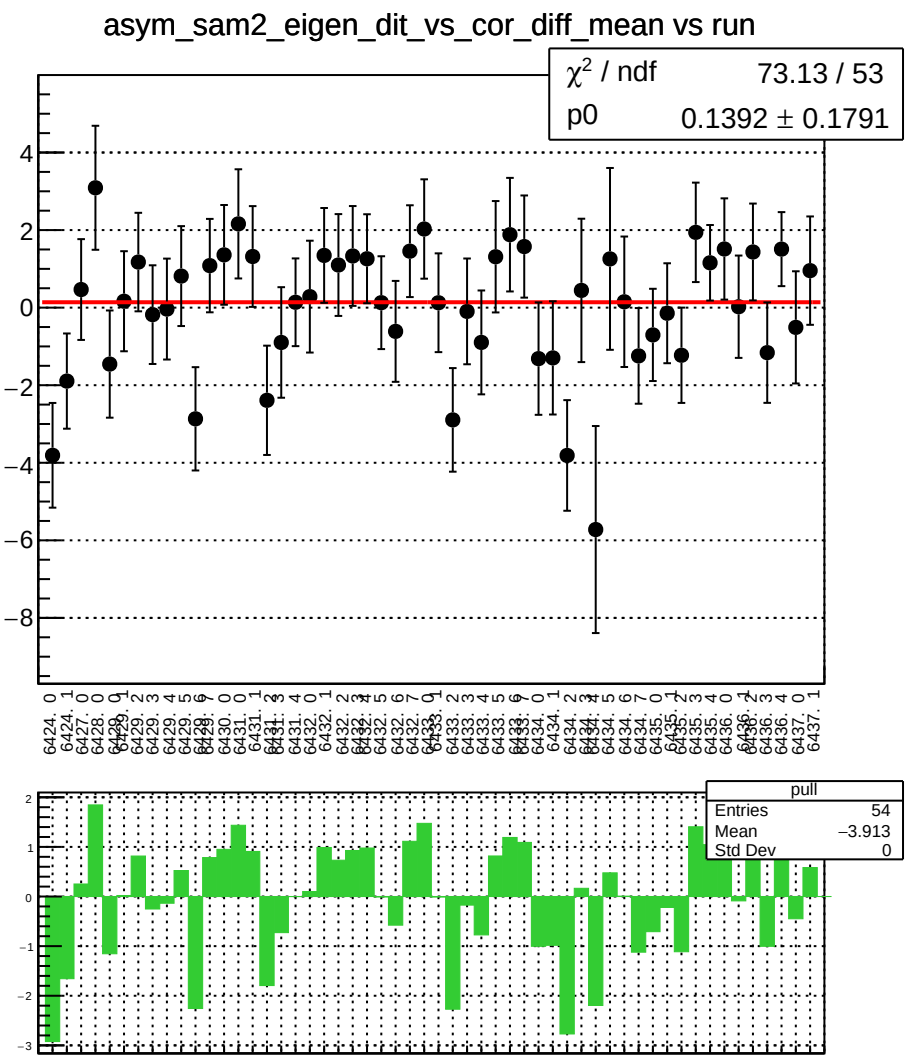

pull1D
Entries 54
Mean −0.04096
Std Dev 1.163

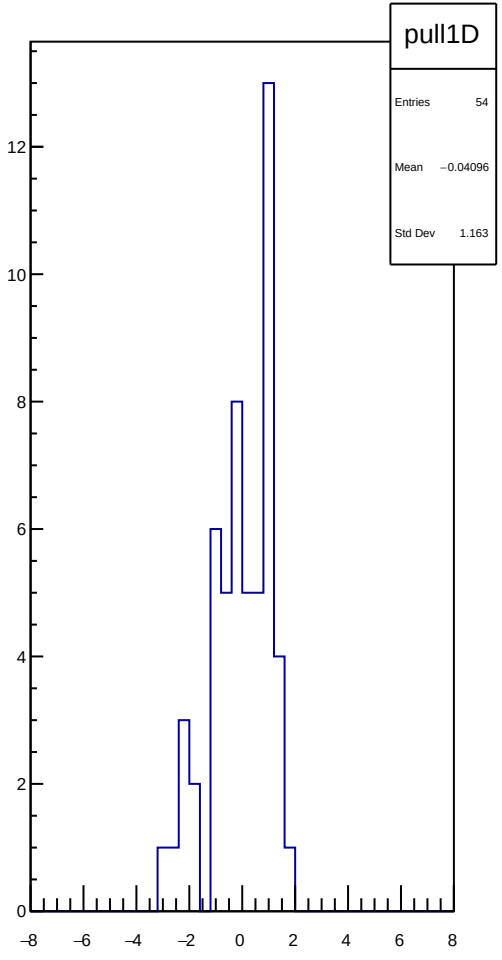

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.299e+04 / 53
p0 127.3 ± 0.1266
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

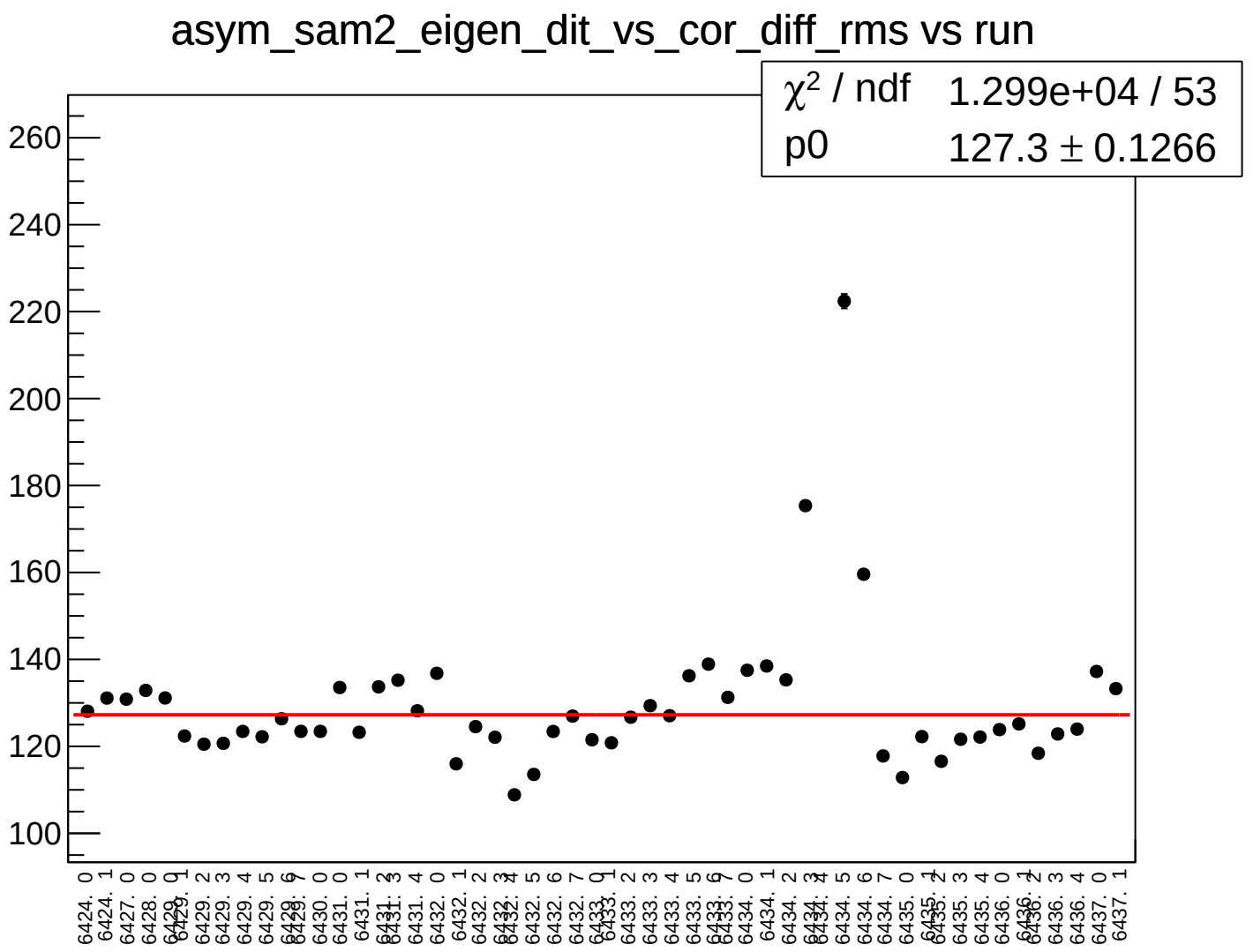

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.47 / 53
p0 9.585e−07 ± 1.223e−05
pull
Entries 54
Mean 2991
Std Dev 0

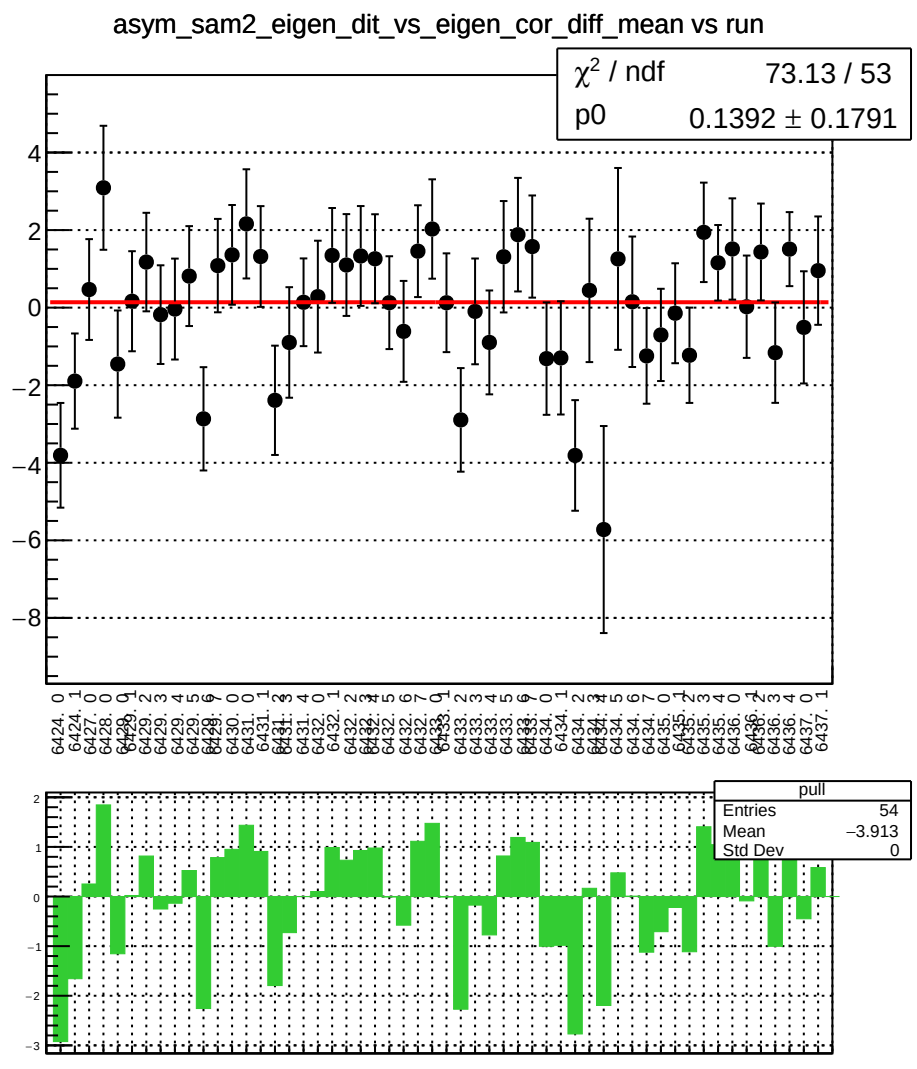

pull1D
Entries 54
Mean −0.000581
Std Dev 0.9951

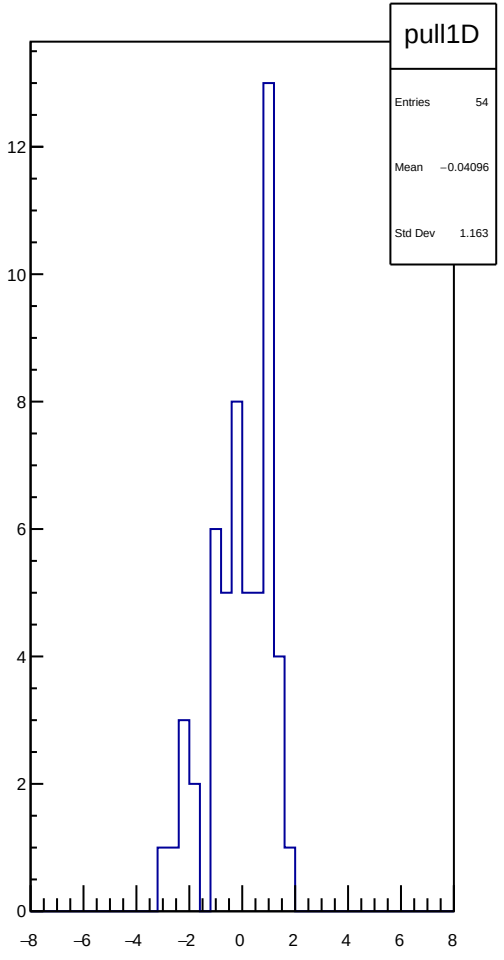

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3185 / 53
p0 0.00873 ± 8.647e–06
0.01
0.0095
0.009
0.0085
0.008
0.0075
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

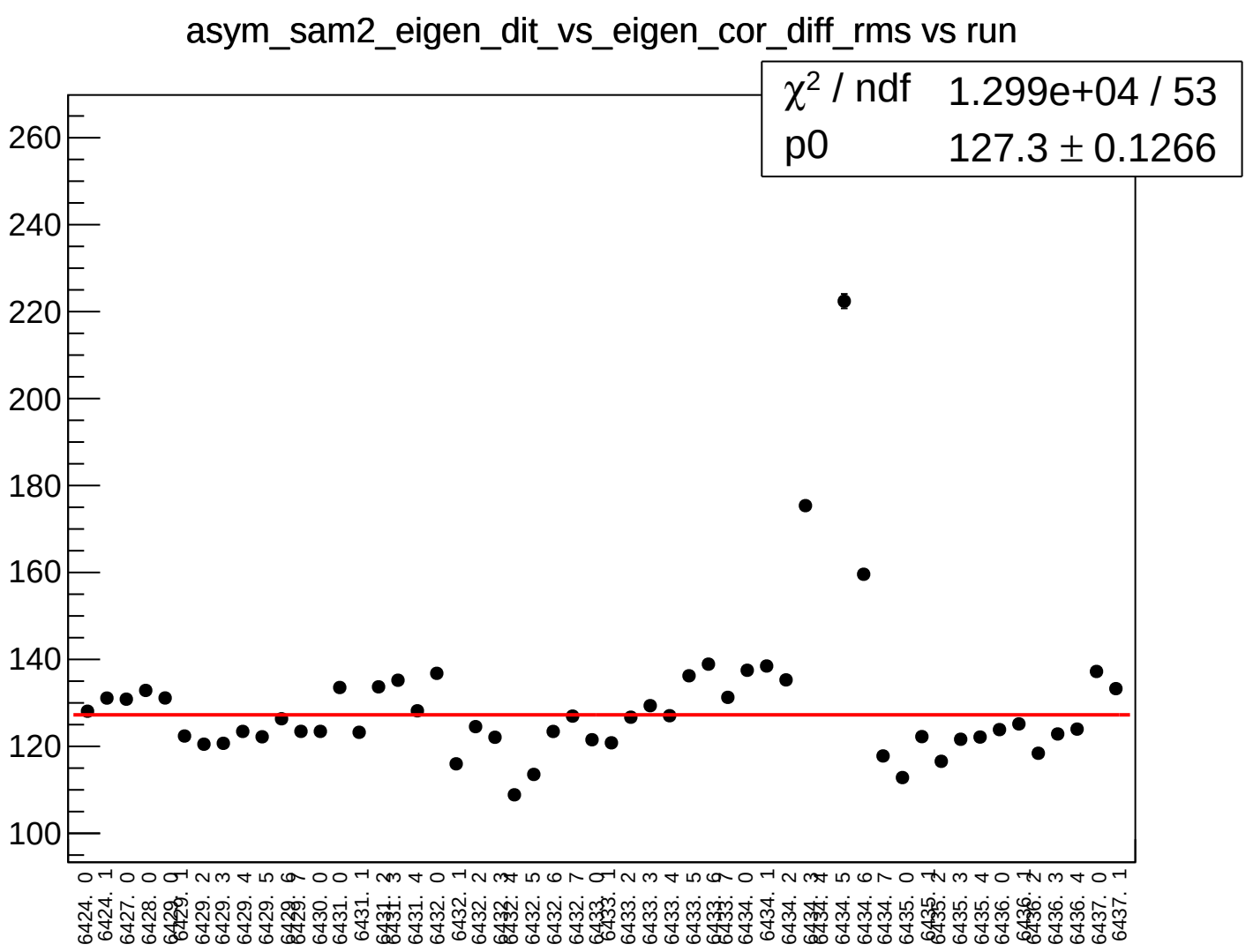

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.13 / 53
p0 0.1392 ± 0.1791
pull
Entries 54
Mean −3.913
Std Dev 0

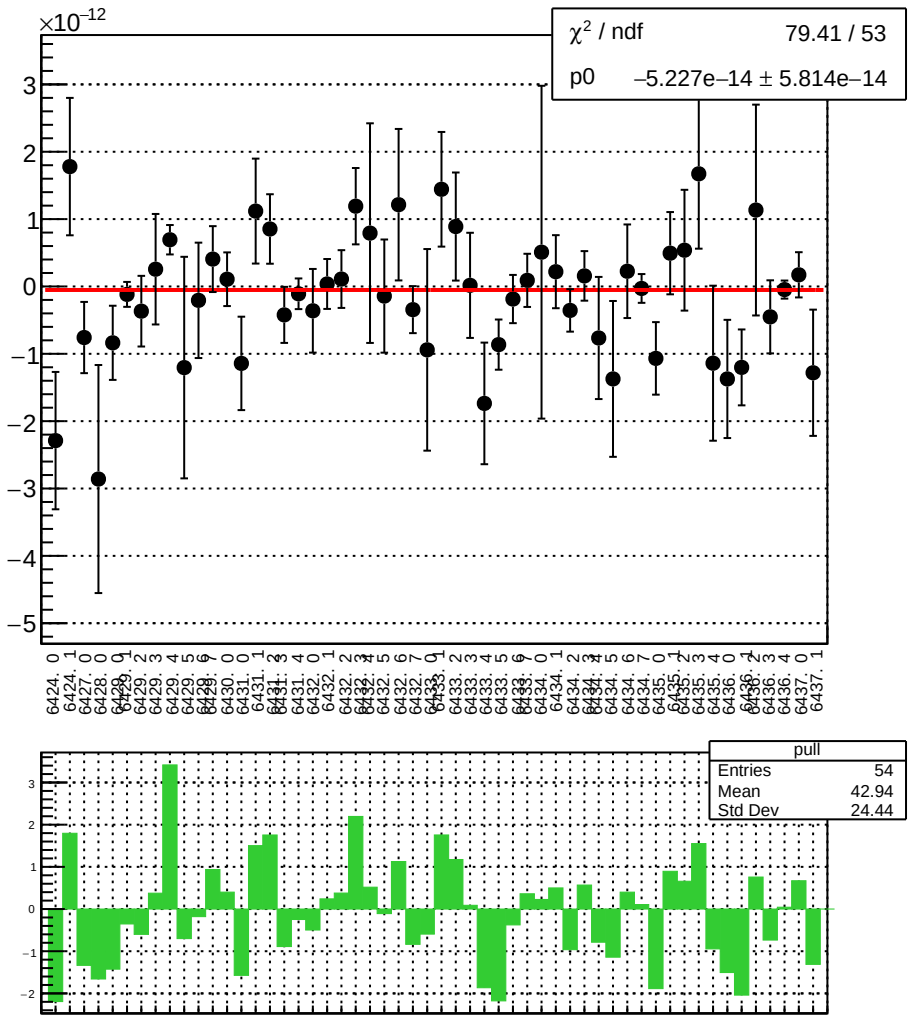

pull1D
Entries 54
Mean −0.04096
Std Dev 1.163

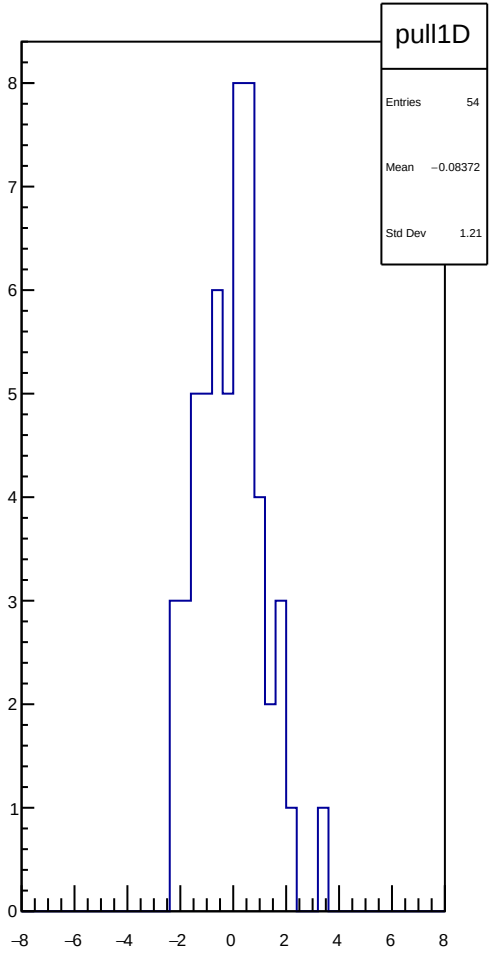

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.299e+04 / 53
p0 127.3 ± 0.1266
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

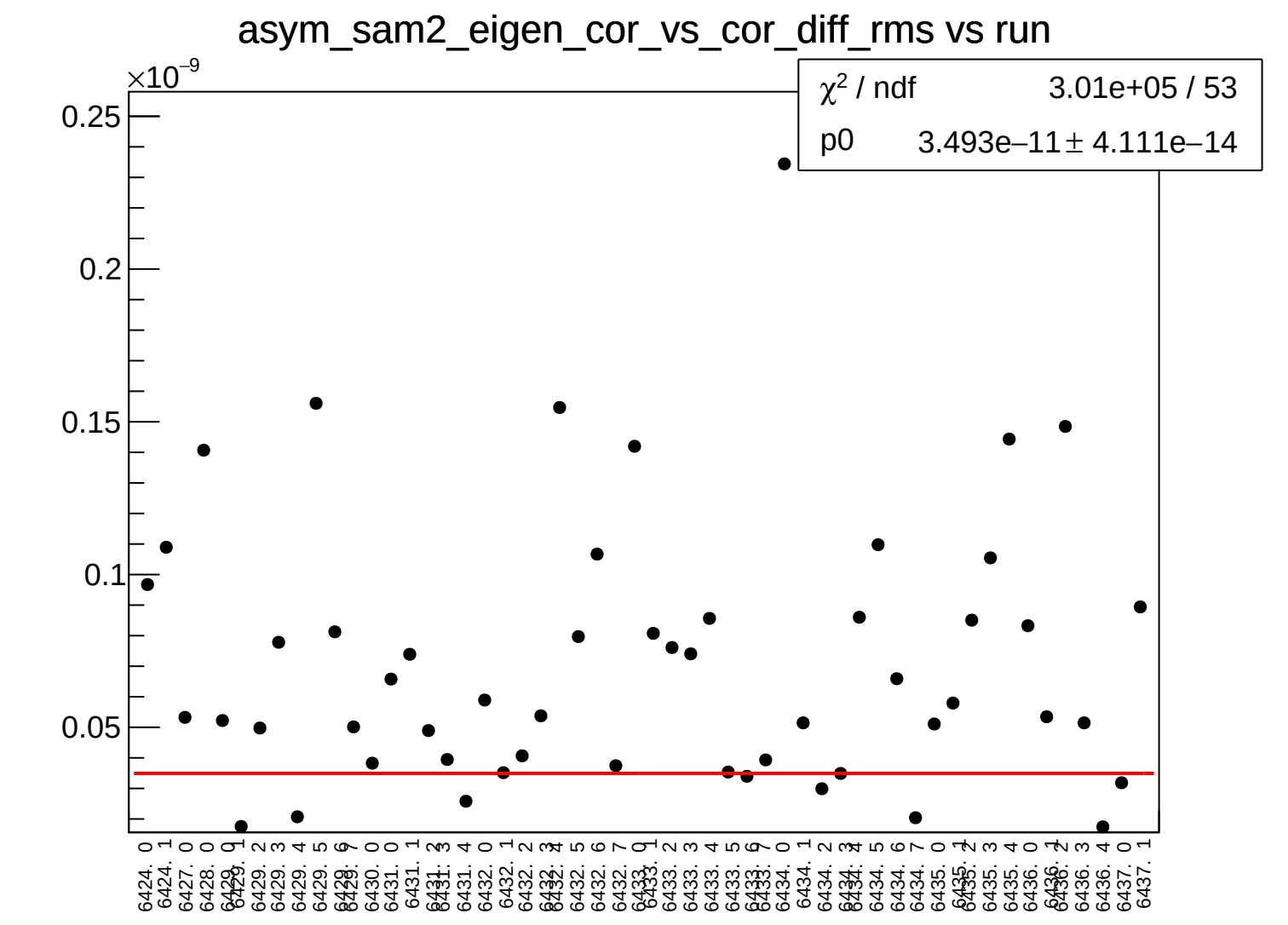

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.13 / 53
p0 0.1392 ± 0.1791
pull
Entries 54
Mean −3.913
Std Dev 0

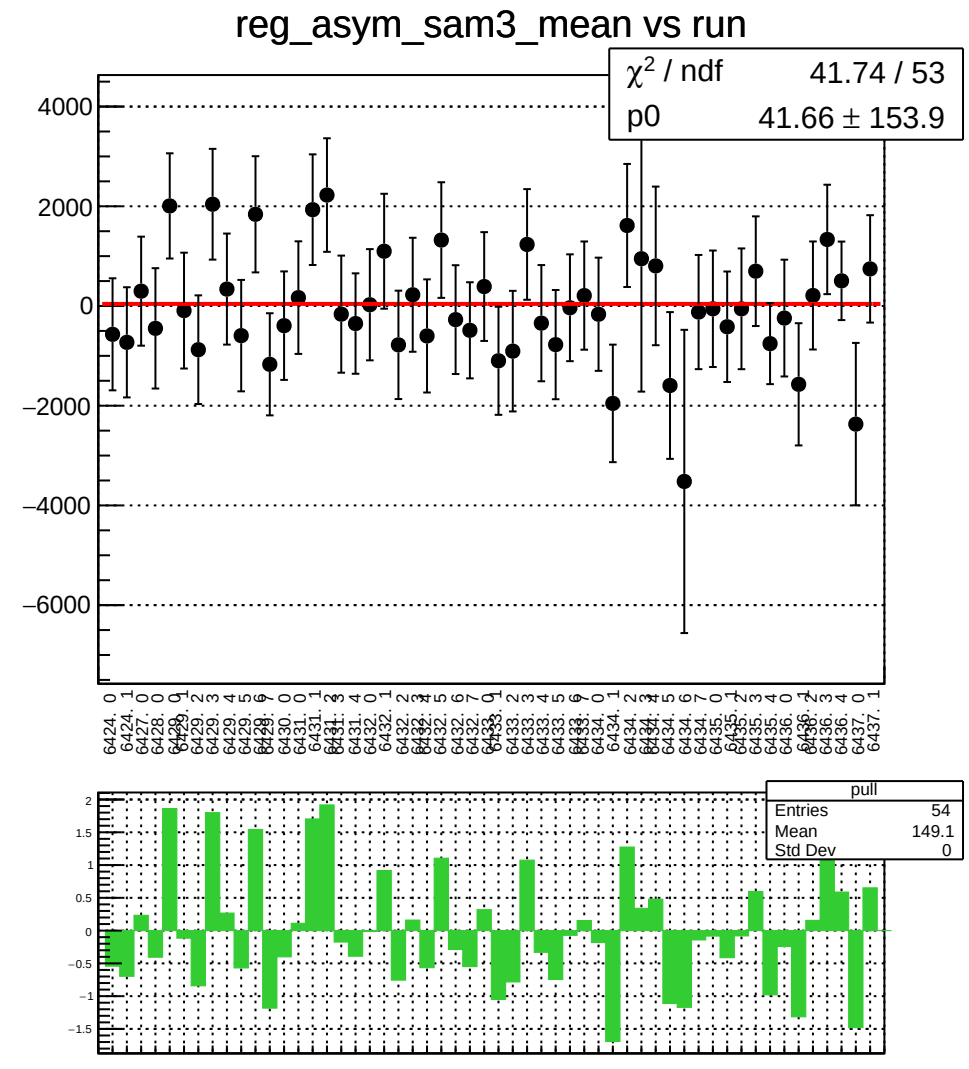

pull1D
Entries 54
Mean −0.04096
Std Dev 1.163

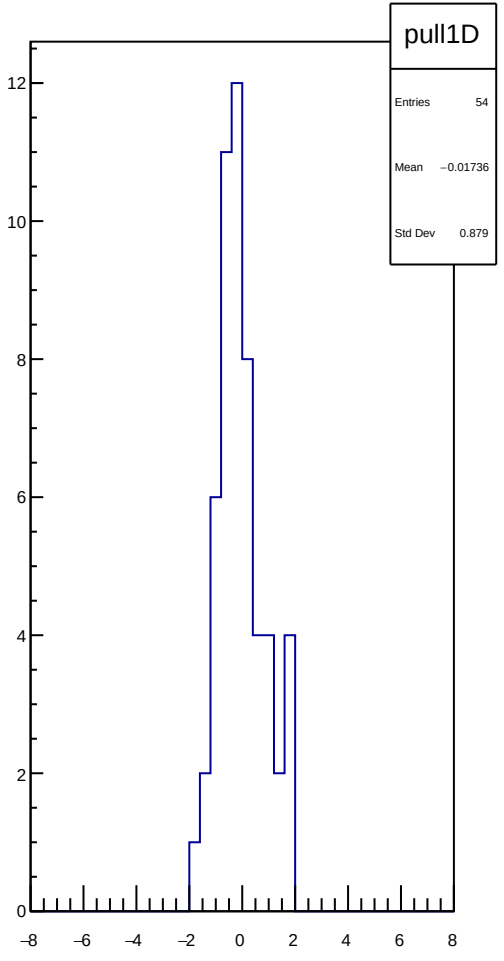

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.299e+04 / 53
p0 127.3 ± 0.1266
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

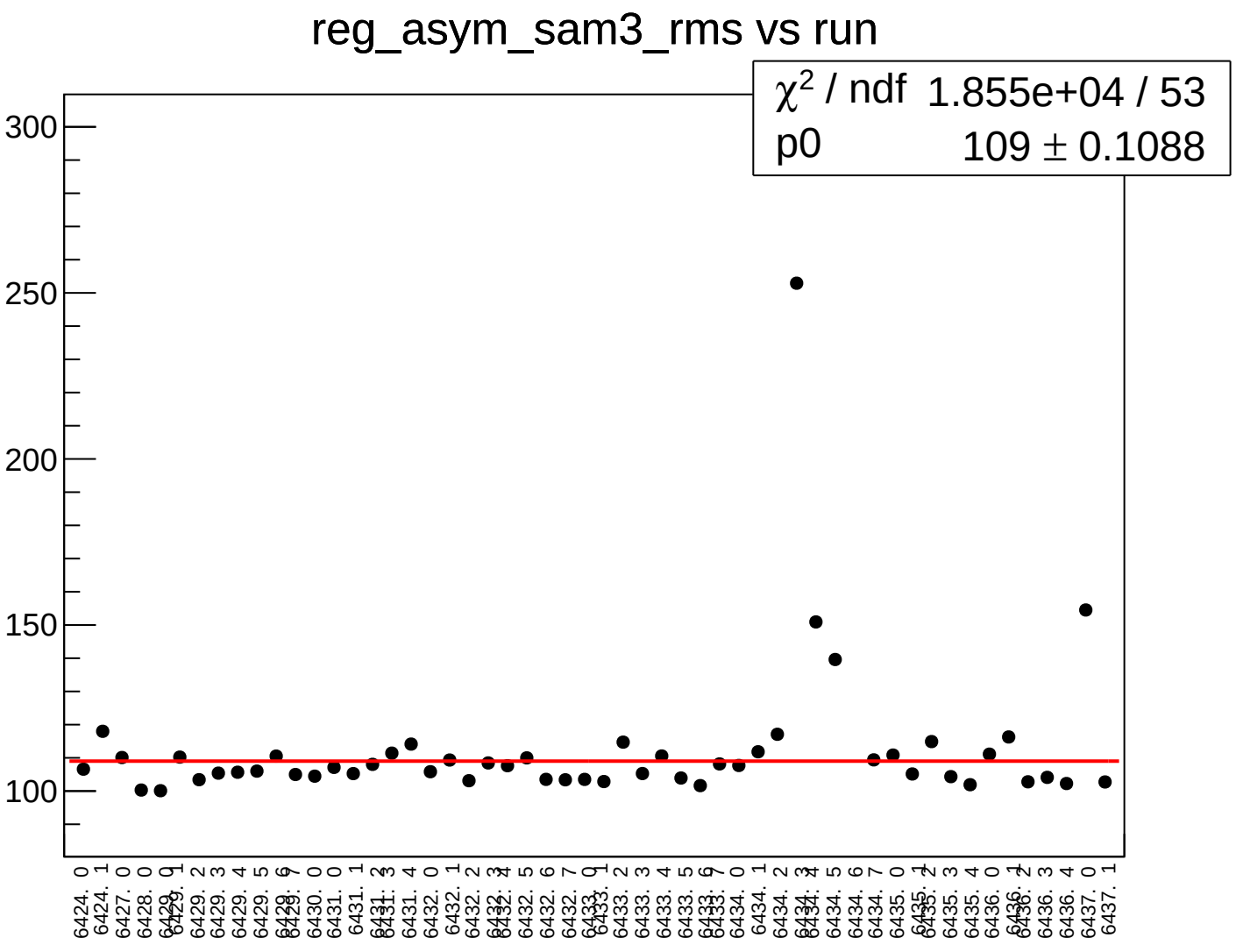

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.41 / 53
p0 −5.227e−14 ± 5.814e−14
pull
Entries 54
Mean 42.94
Std Dev 24.44

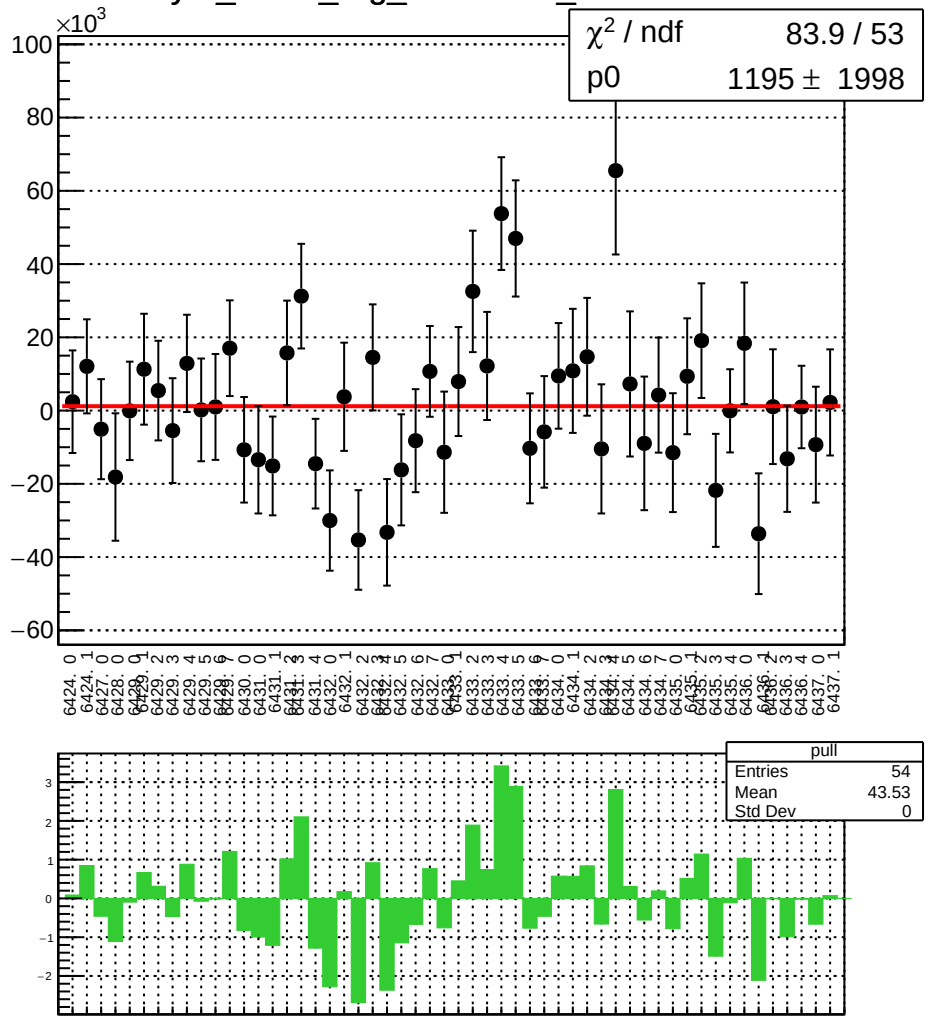

pull1D
Entries 54
Mean −0.08372
Std Dev 1.21

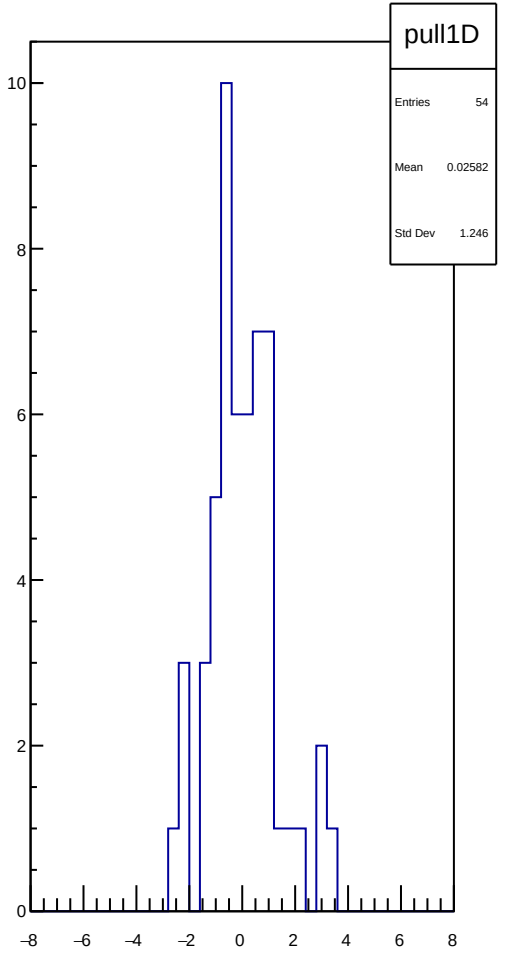

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.01e+05 / 53
p0 3.493e−11 ± 4.111e−14
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

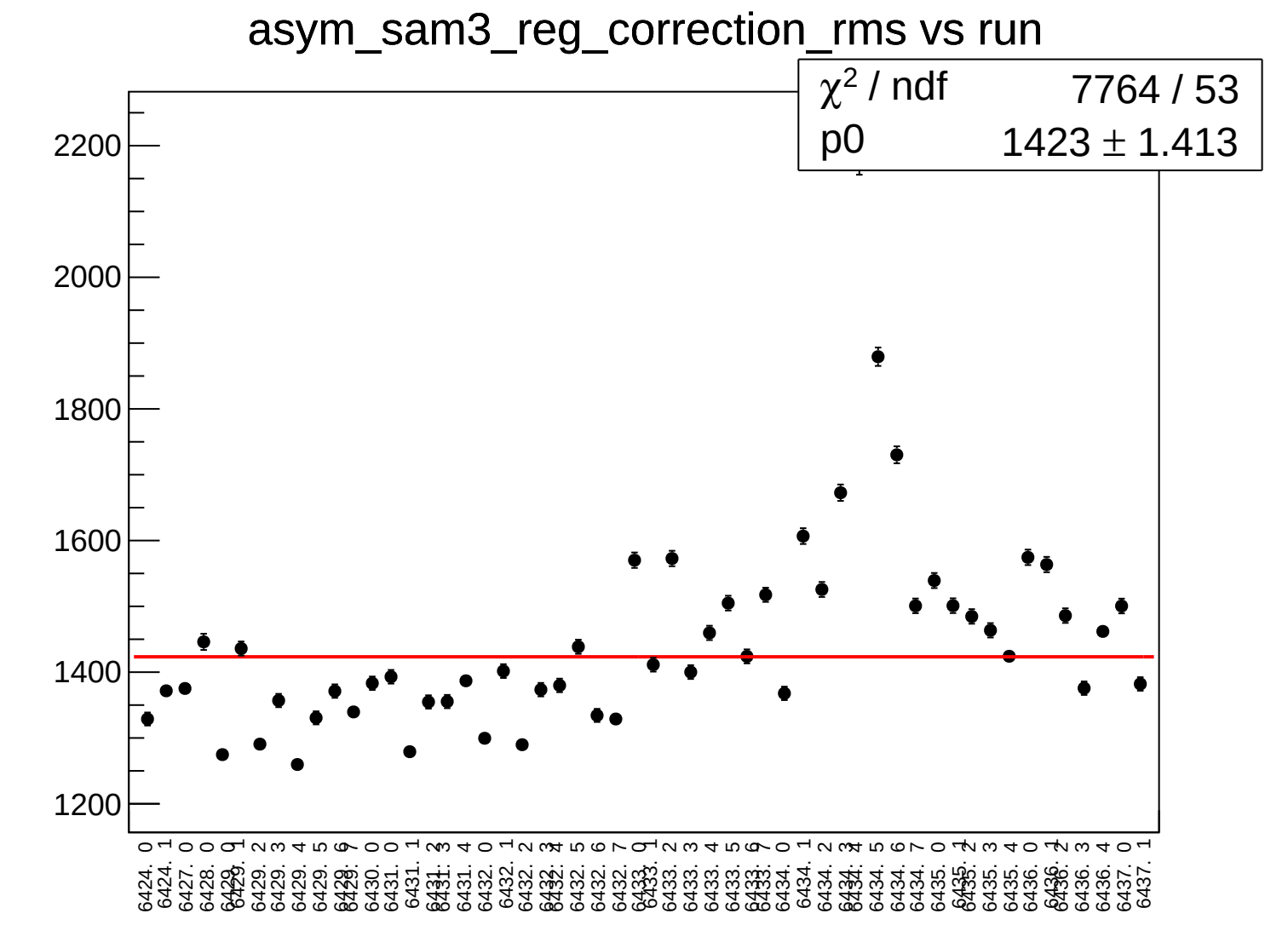

reg_asym_sam3_mean vs run
χ² / ndf 41.74 / 53
p0 41.66 ± 153.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 149.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

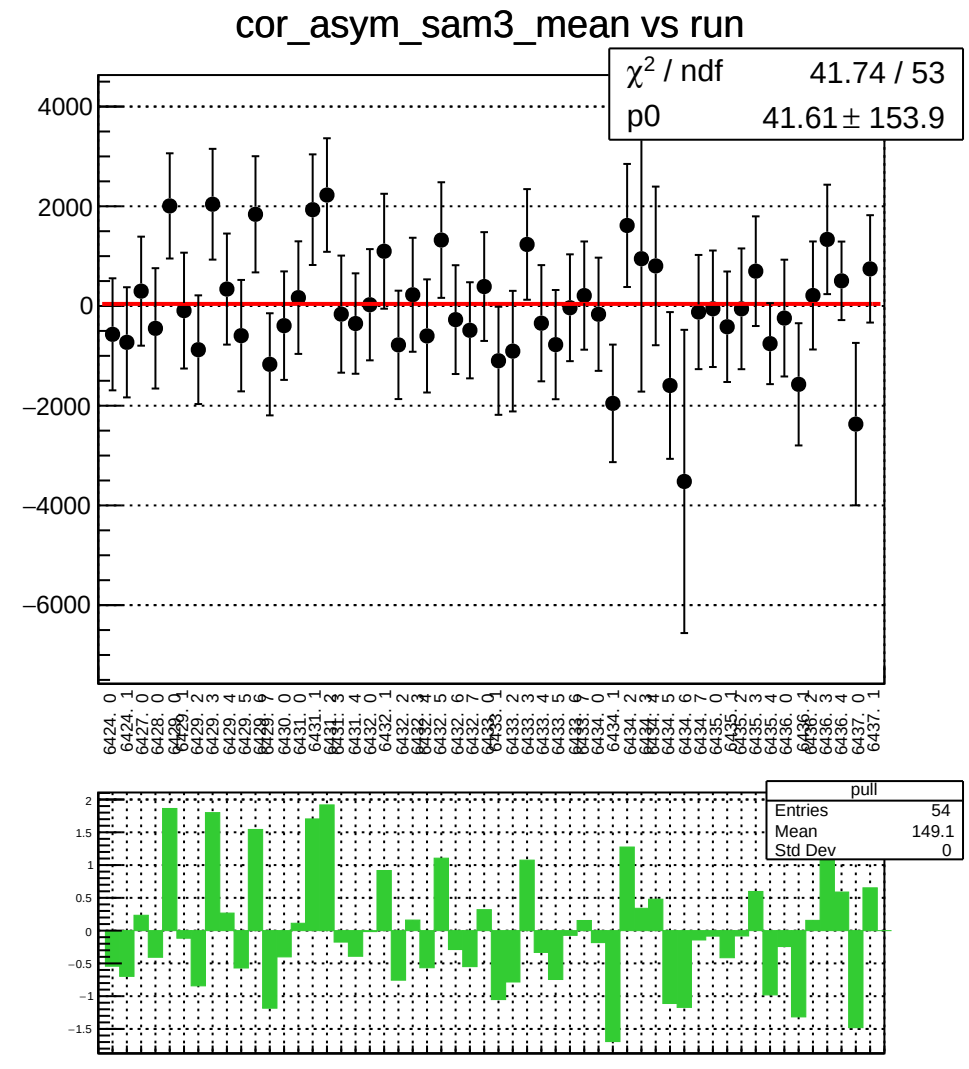

pull1D
Entries 54
Mean −0.01736
Std Dev 0.879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

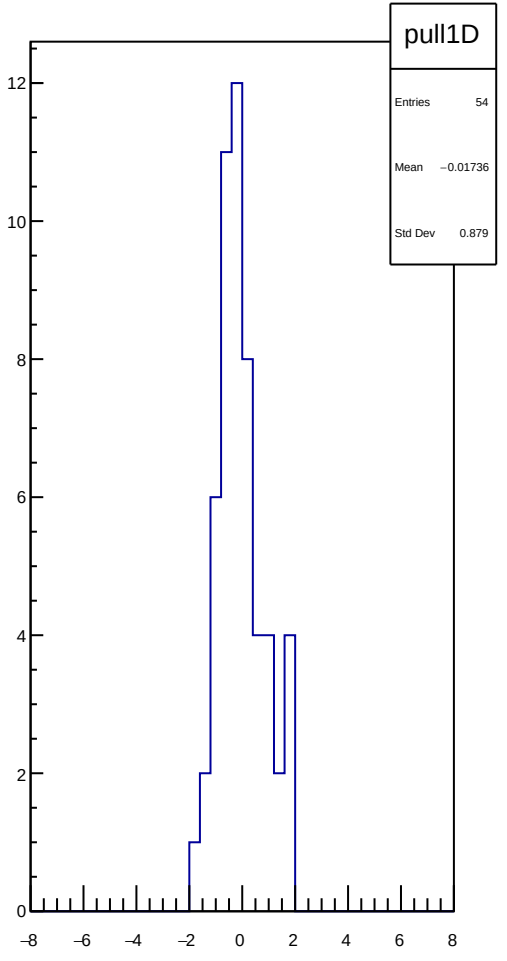

reg_asym_sam3_rms vs run
χ² / ndf 1.855e+04 / 53
p0 109 ± 0.1088
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

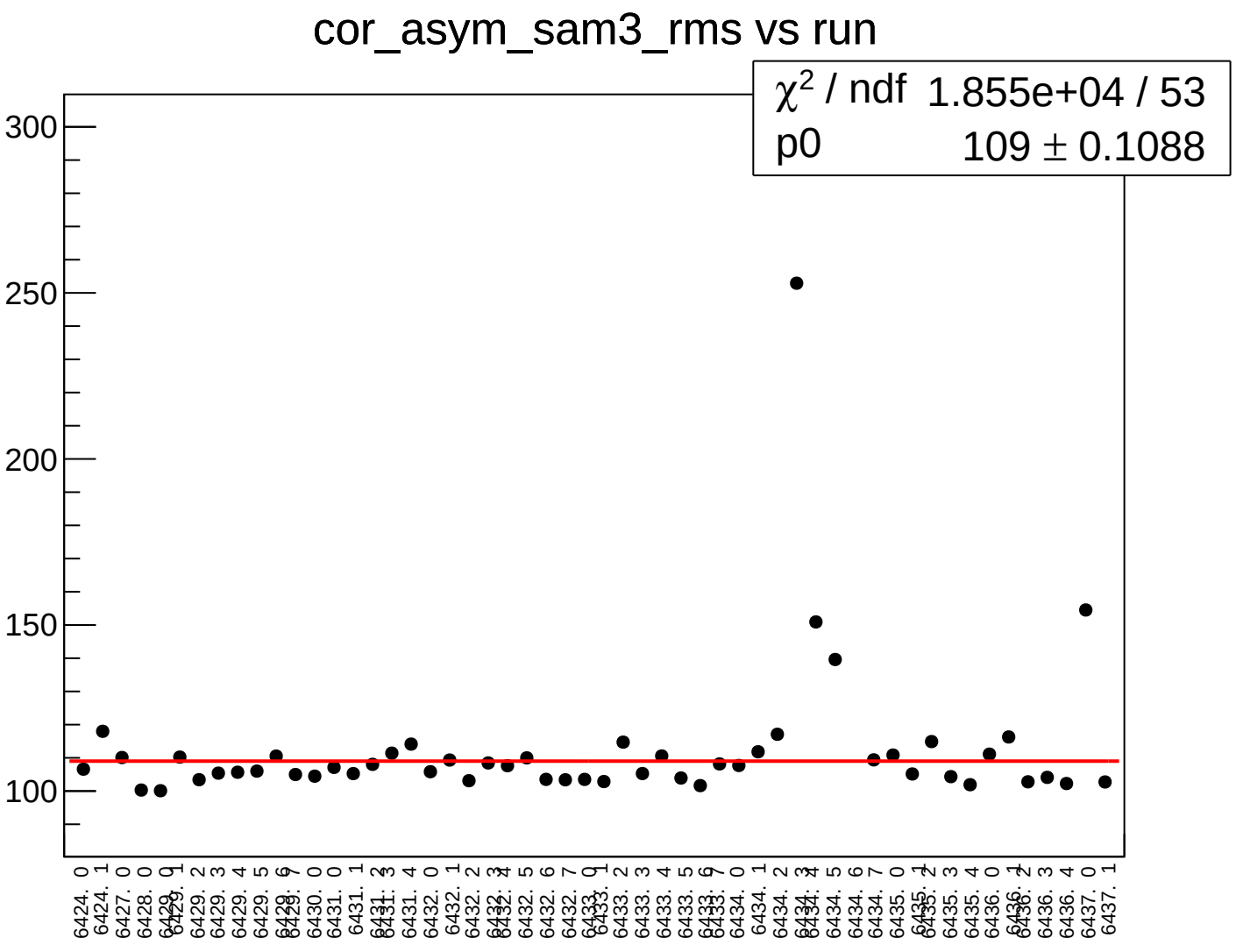

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 83.9 / 53
p0 1195 ± 1998
pull
Entries 54
Mean 43.53
Std Dev 0

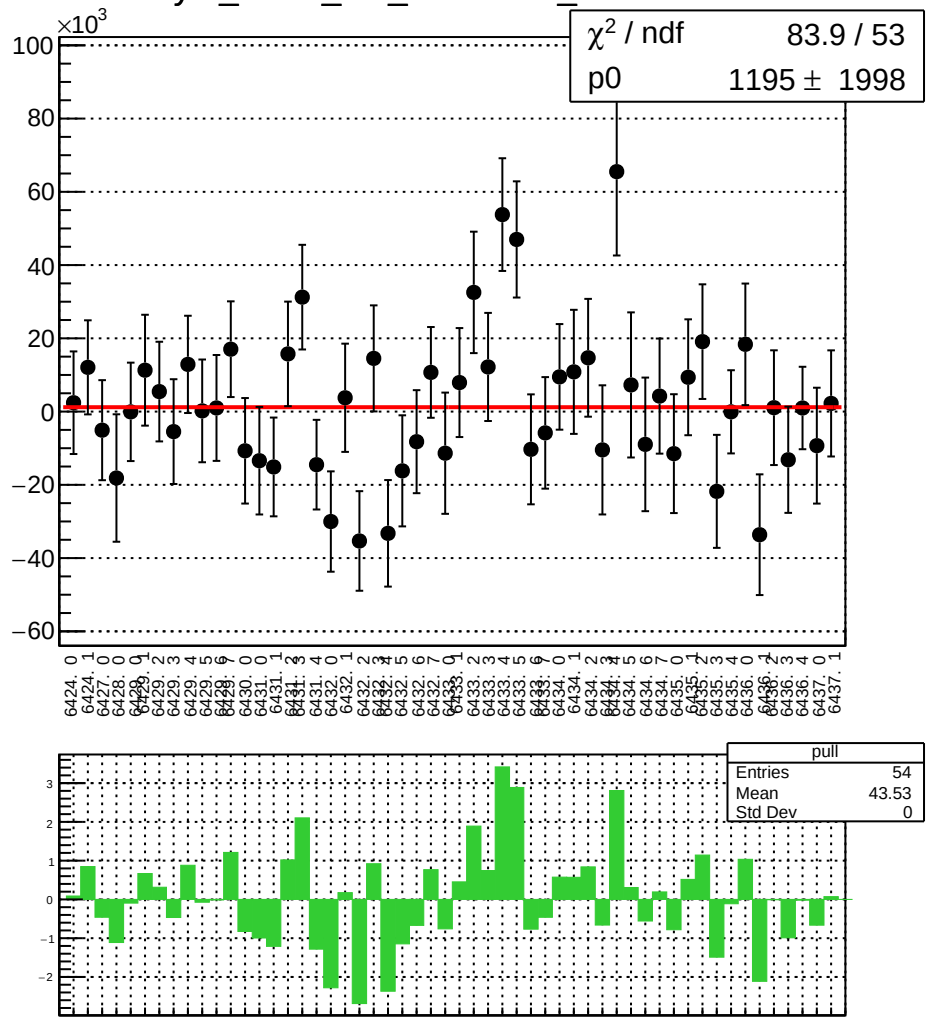

pull1D
Entries 54
Mean 0.02582
Std Dev 1.246

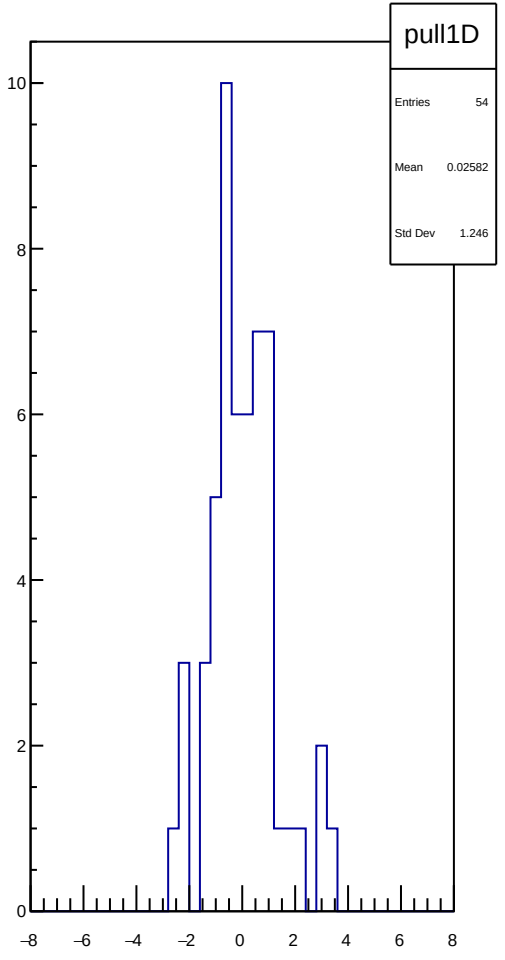

asym_sam3_reg_correction_rms vs run
χ² / ndf 7764 / 53
p0 1423 ± 1.413
2200
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

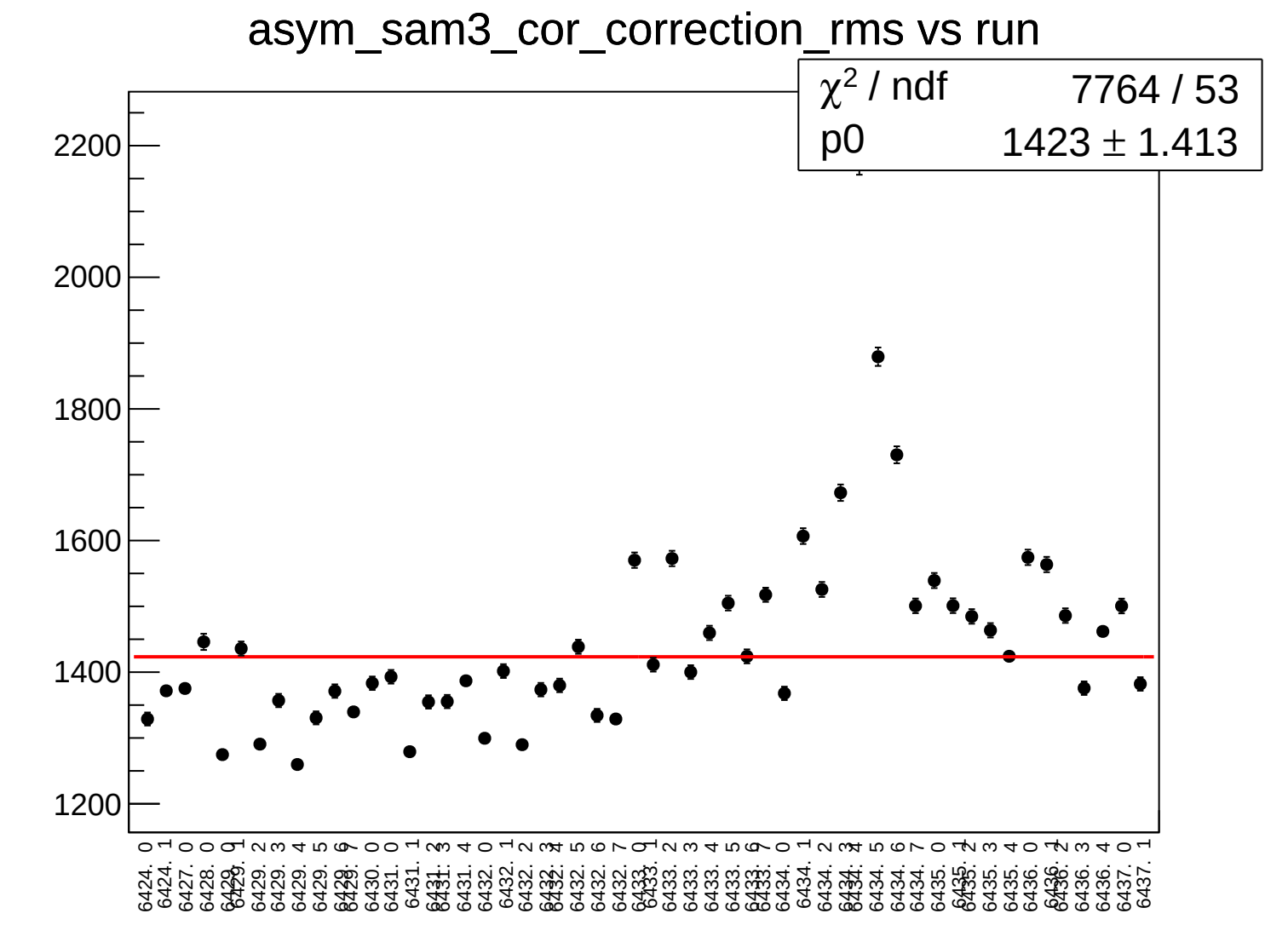

cor_asym_sam3_mean vs run
χ² / ndf 41.74 / 53
p0 41.61 ± 153.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 149.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

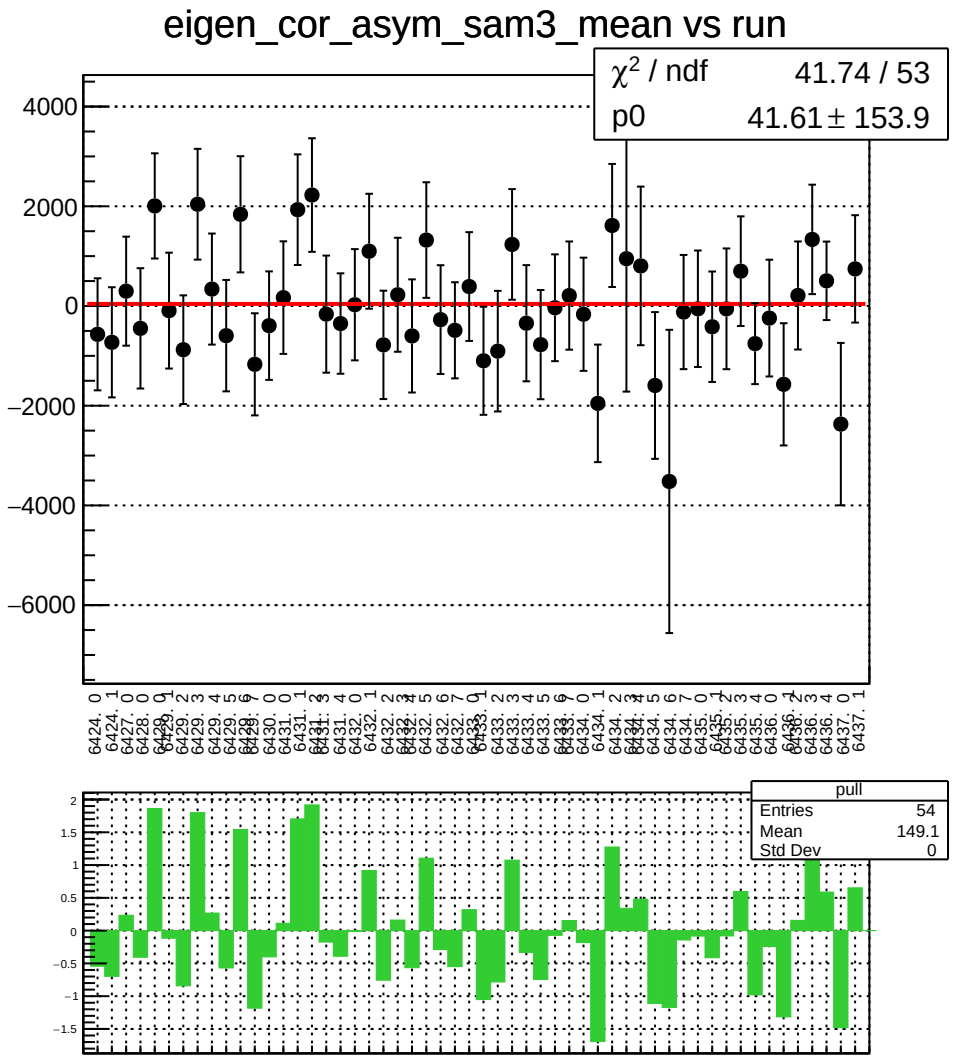

pull1D
Entries 54
Mean −0.01736
Std Dev 0.879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

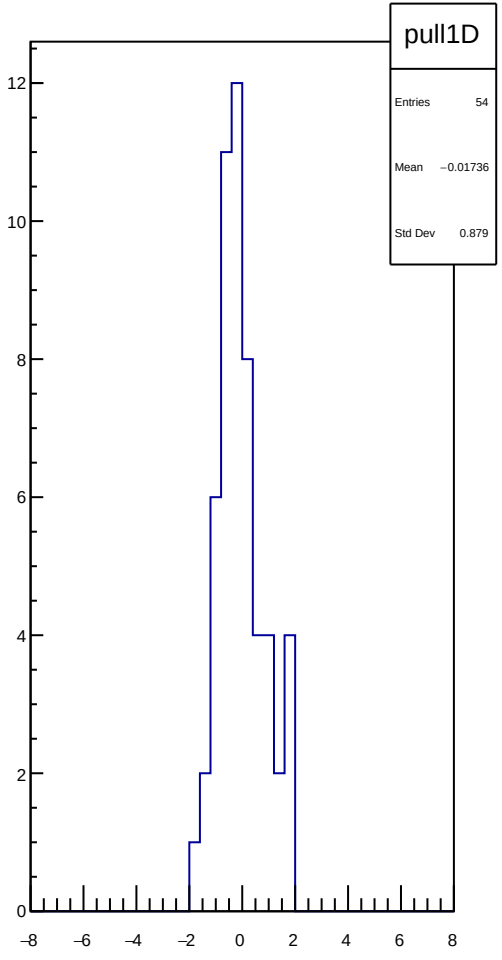

cor_asym_sam3_rms vs run
χ² / ndf 1.855e+04 / 53
p0 109 ± 0.1088
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

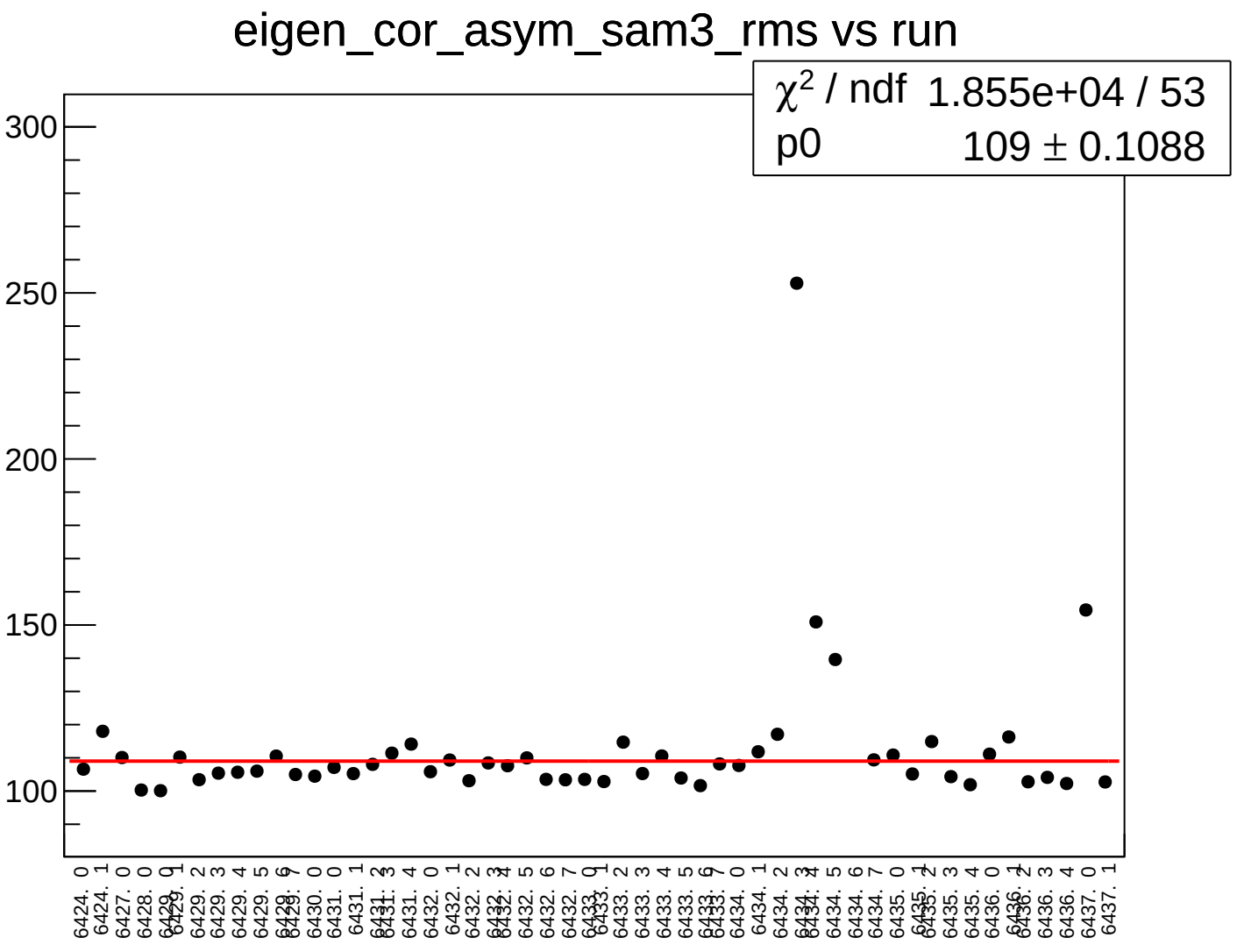

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 83.9 / 53
p0 1195 ± 1998
pull
Entries 54
Mean 43.53
Std Dev 0

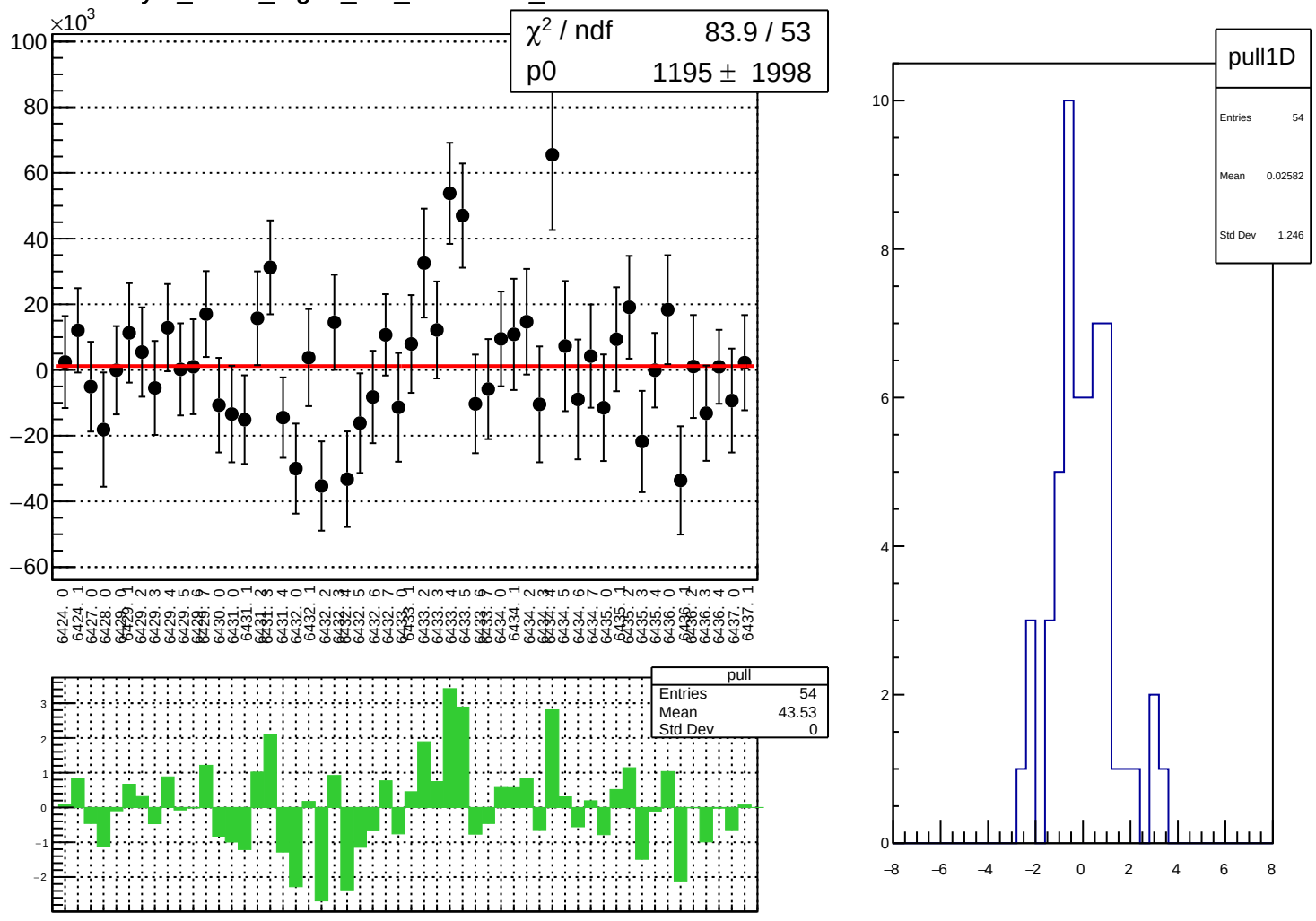

pull1D
Entries 54
Mean 0.02582
Std Dev 1.246

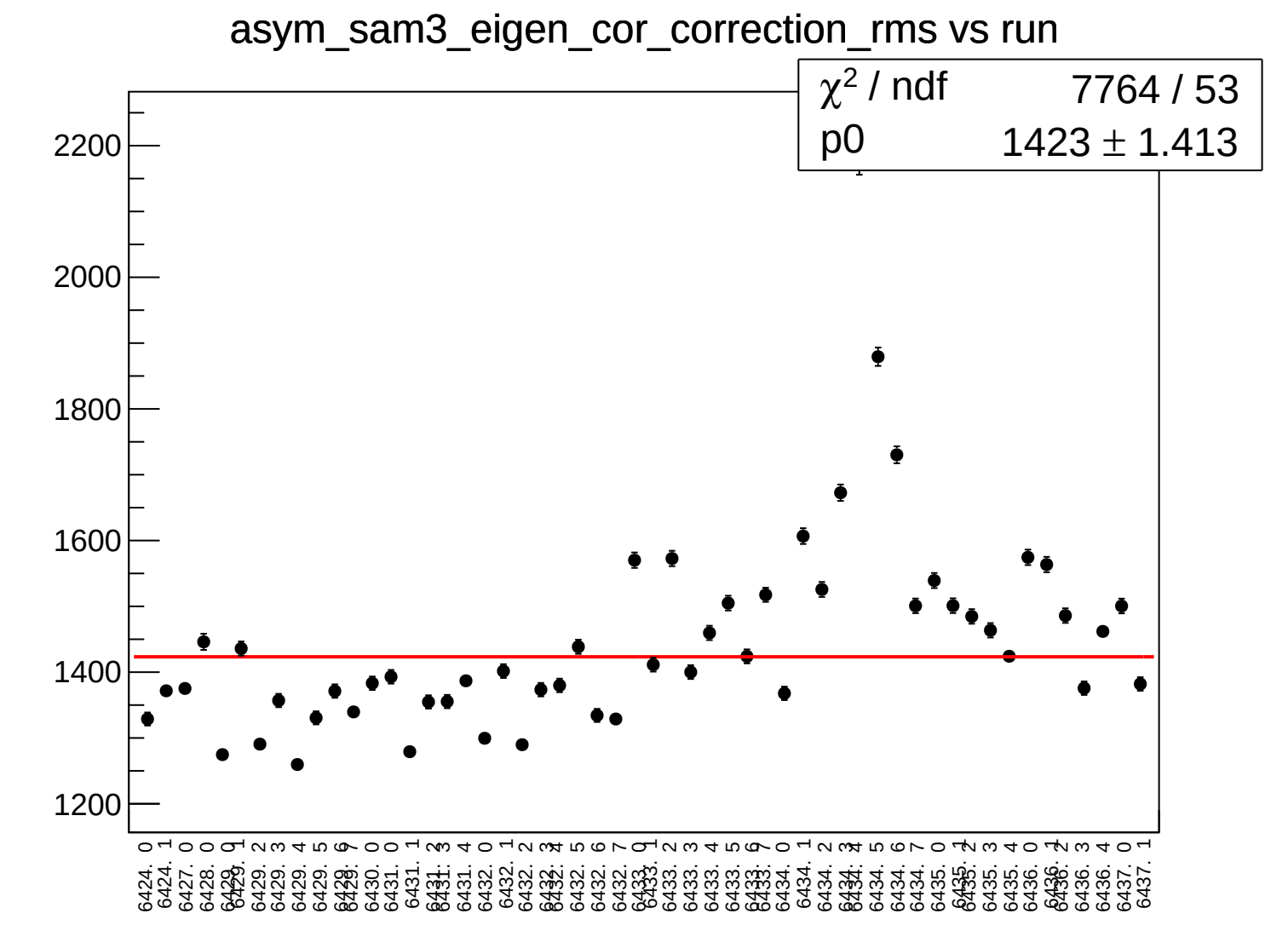

asym_sam3_cor_correction_rms vs run
χ² / ndf 7764 / 53
p0 1423 ± 1.413
2200
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam3_mean vs run
χ² / ndf 41.74 / 53
p0 41.61 ± 153.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 149.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean −0.01736
Std Dev 0.879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.855e+04 / 53
p0 109 ± 0.1088
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 83.9 / 53
p0 1195 ± 1998
pull
Entries 54
Mean 43.53
Std Dev 0
pull1D
Entries 54
Mean 0.02582
Std Dev 1.246


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 7764 / 53
p0 1423 ± 1.413
2200
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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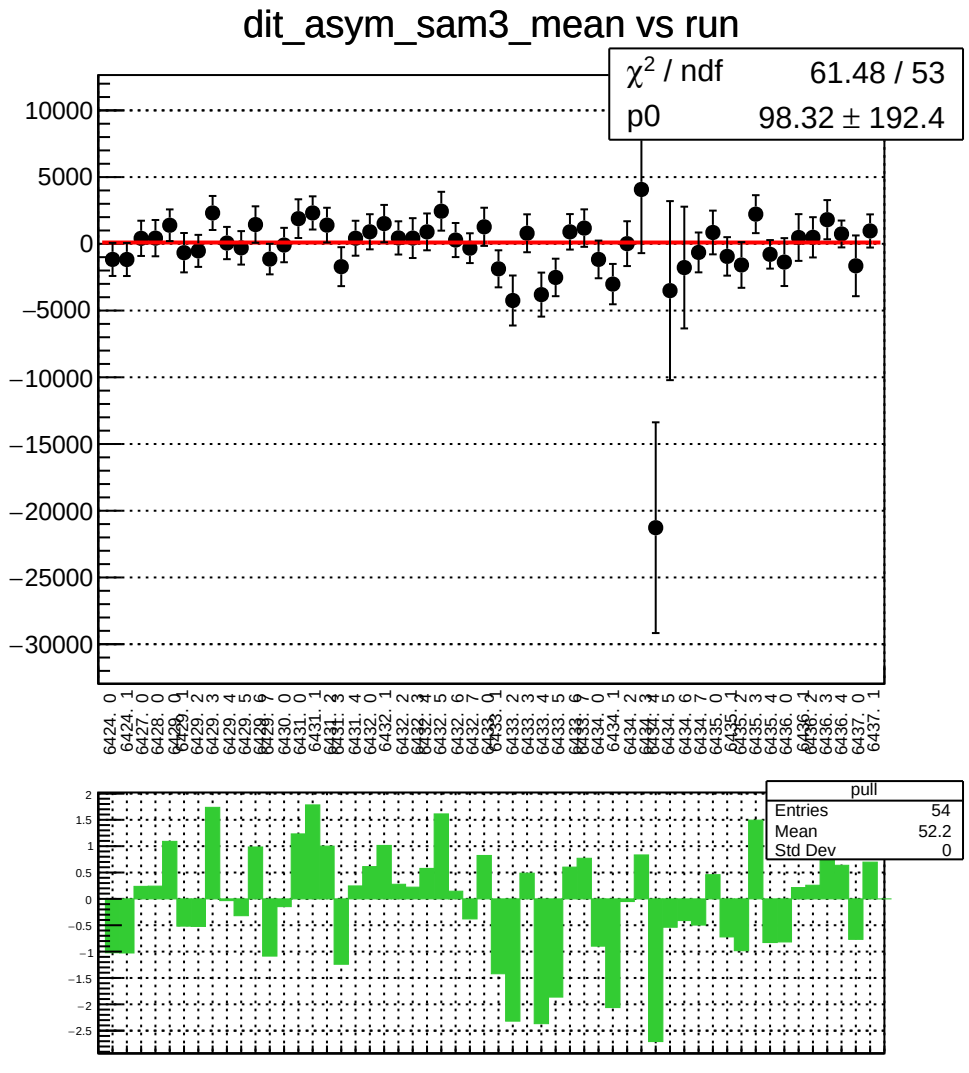
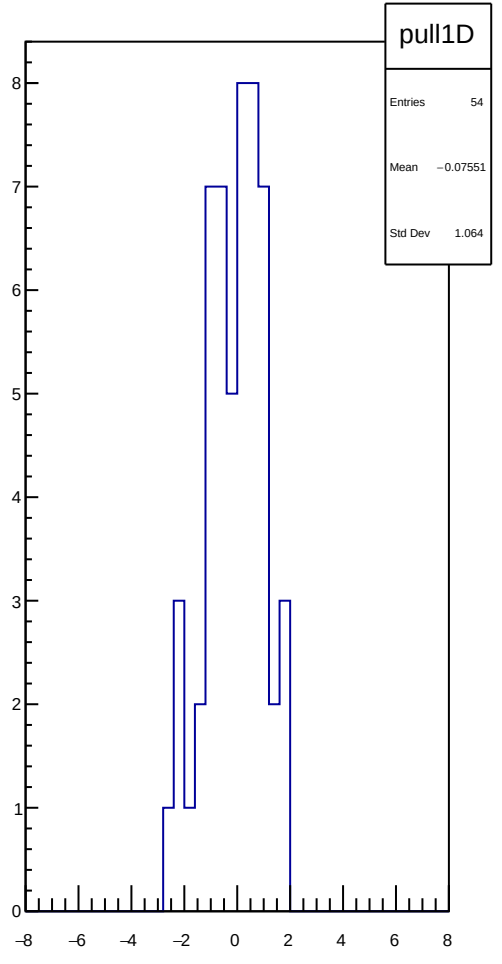
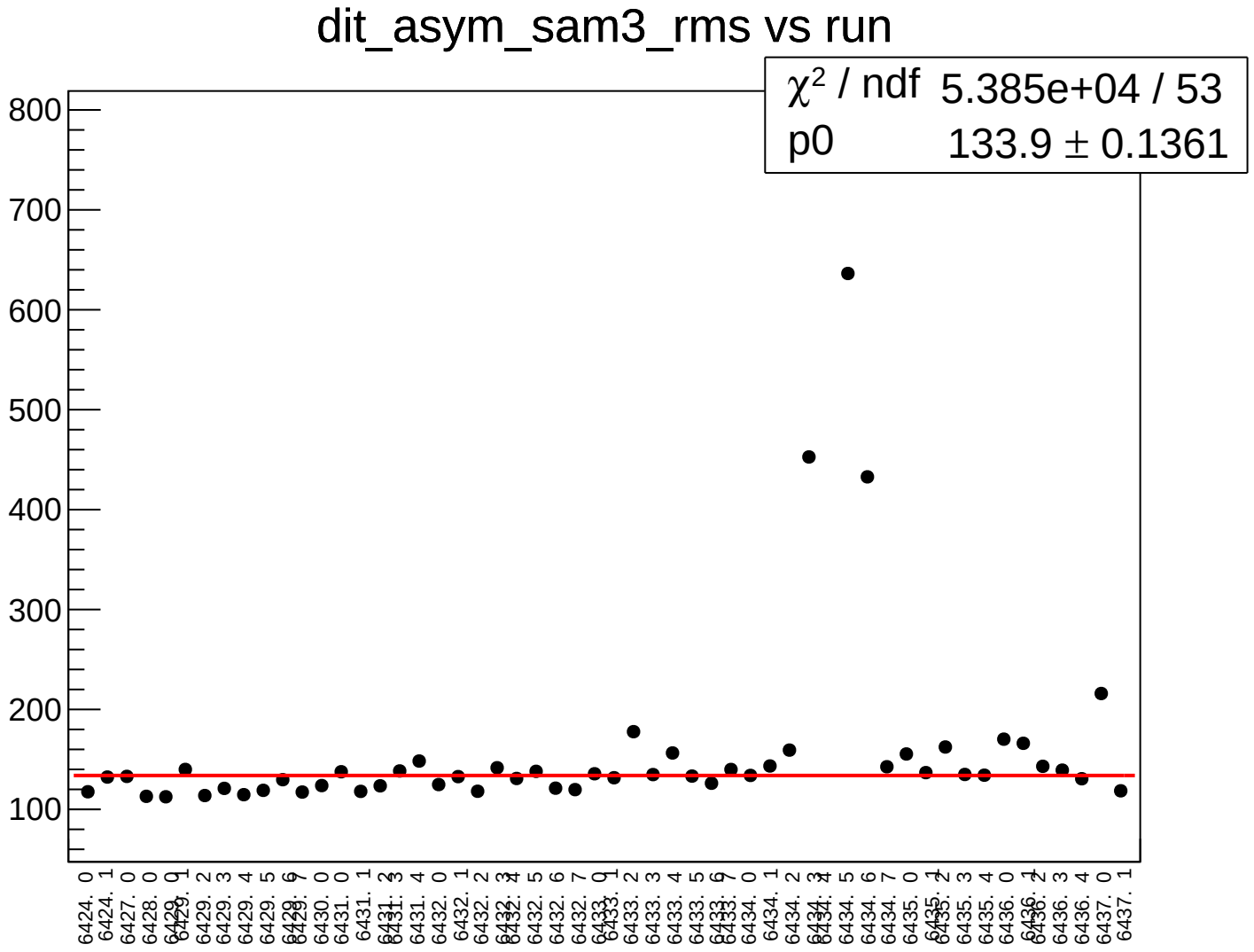
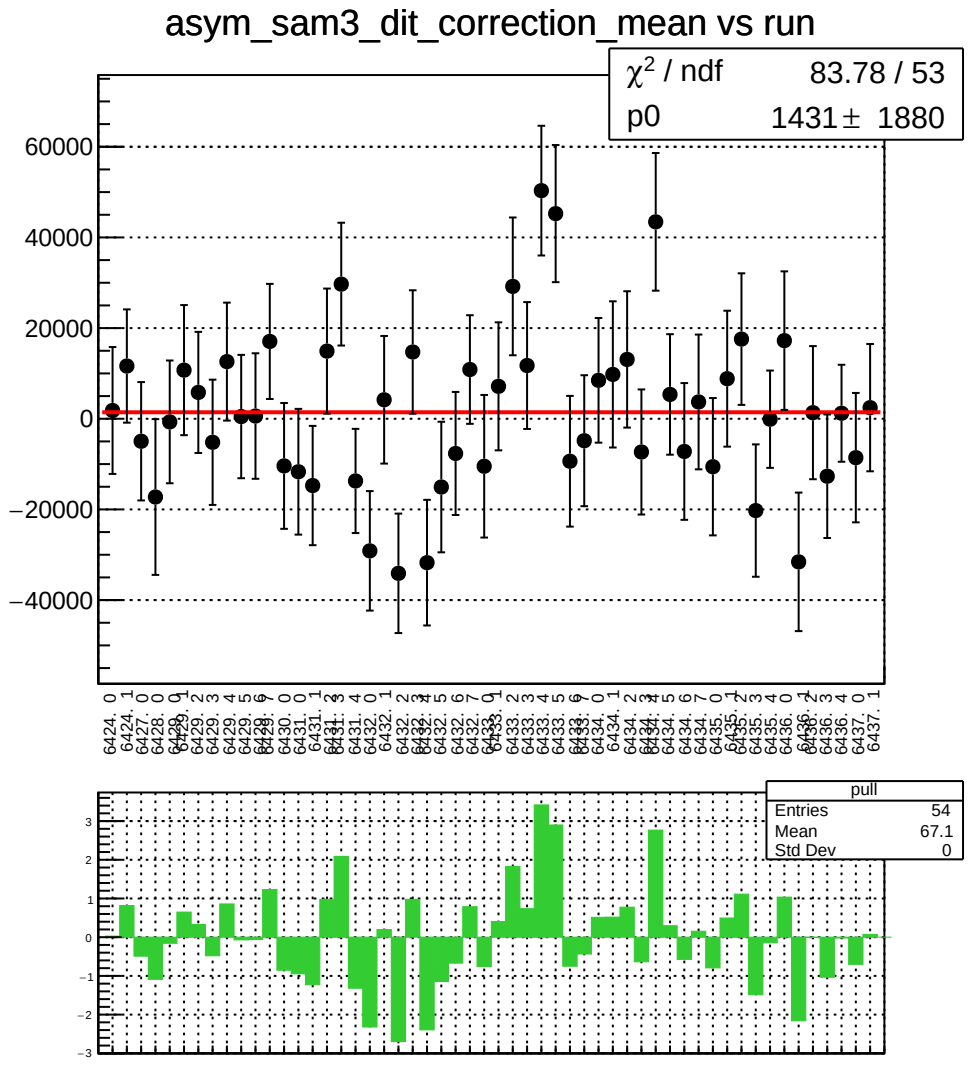
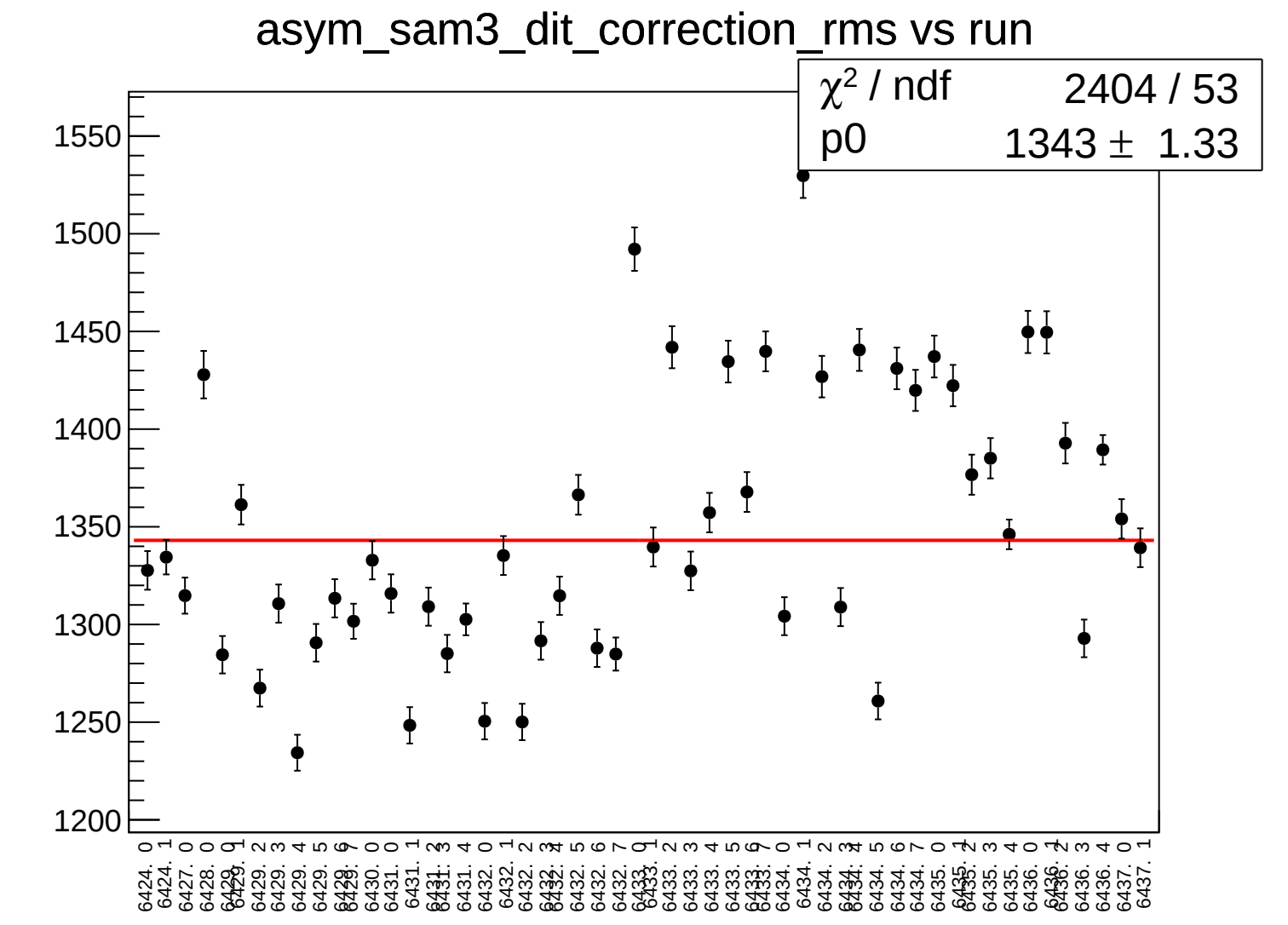
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

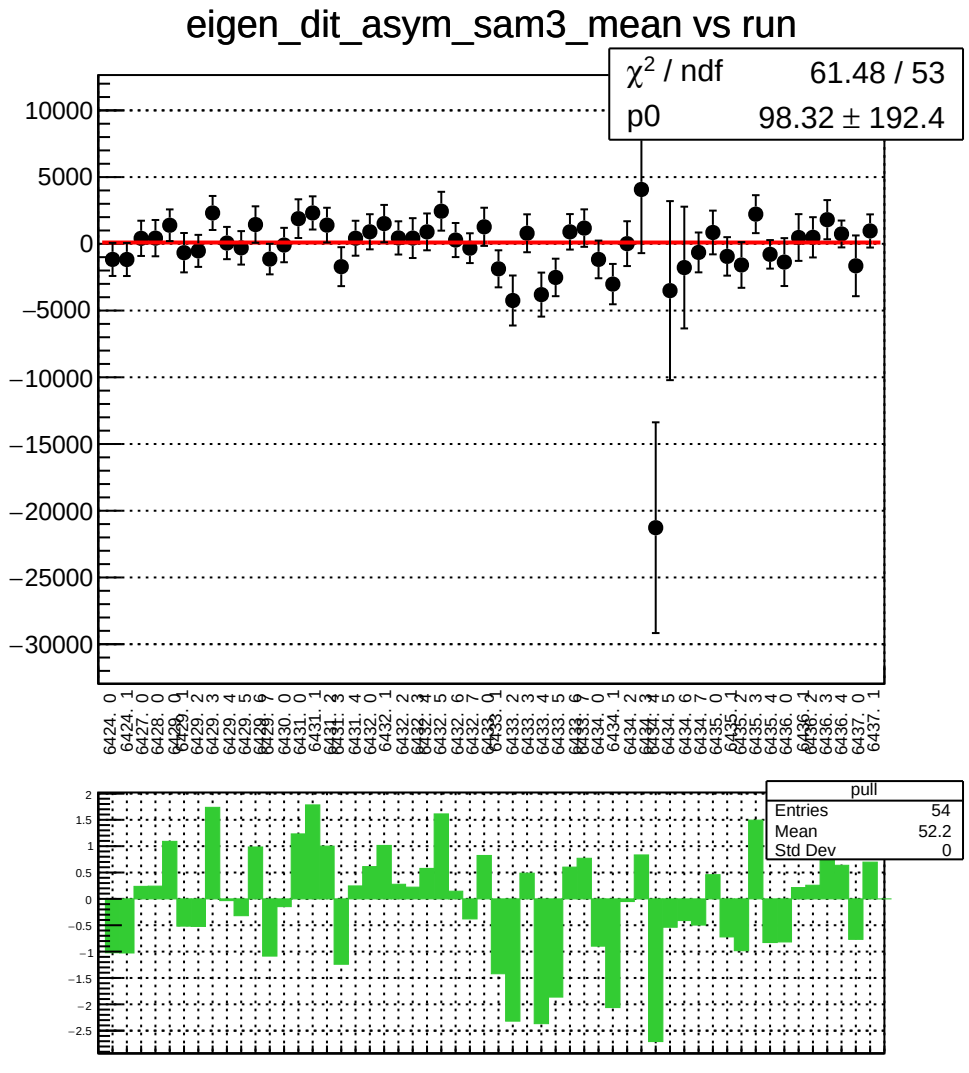

dit_asym_sam3_mean vs run
χ^2 / ndf 61.48 / 53
p0 98.32 ± 192.4
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 54
Mean 52.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

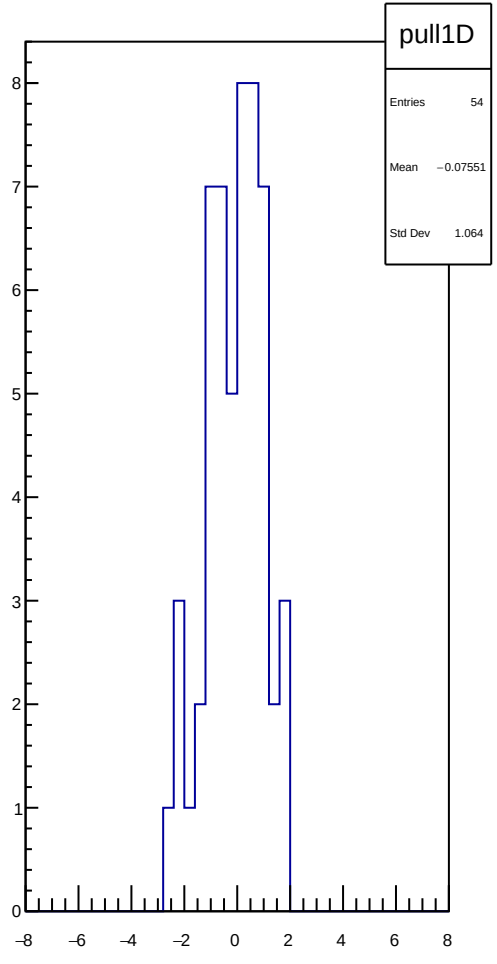

pull1D
Entries 54
Mean −0.07551
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

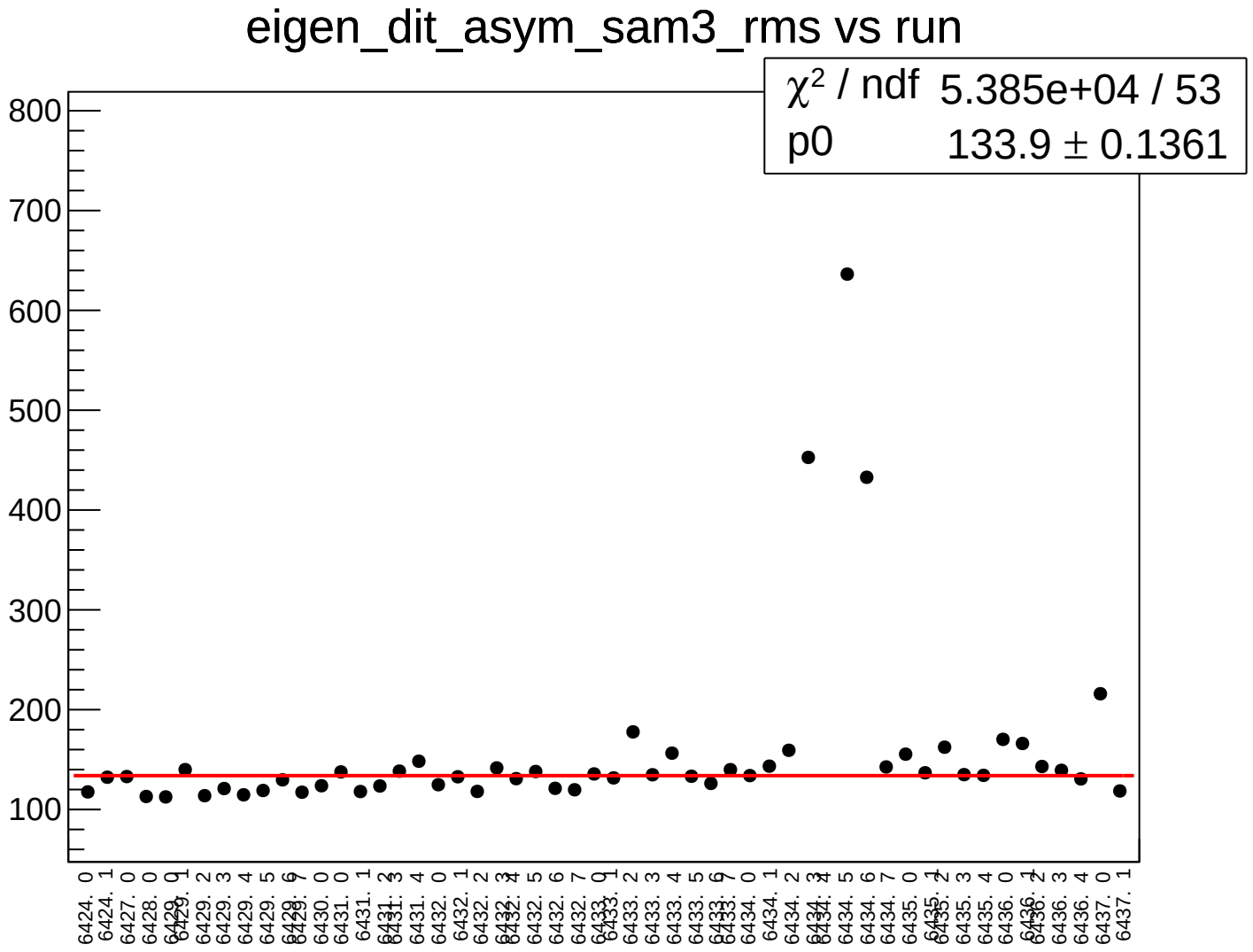

dit_asym_sam3_rms vs run
χ² / ndf 5.385e+04 / 53
p0 133.9 ± 0.1361
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

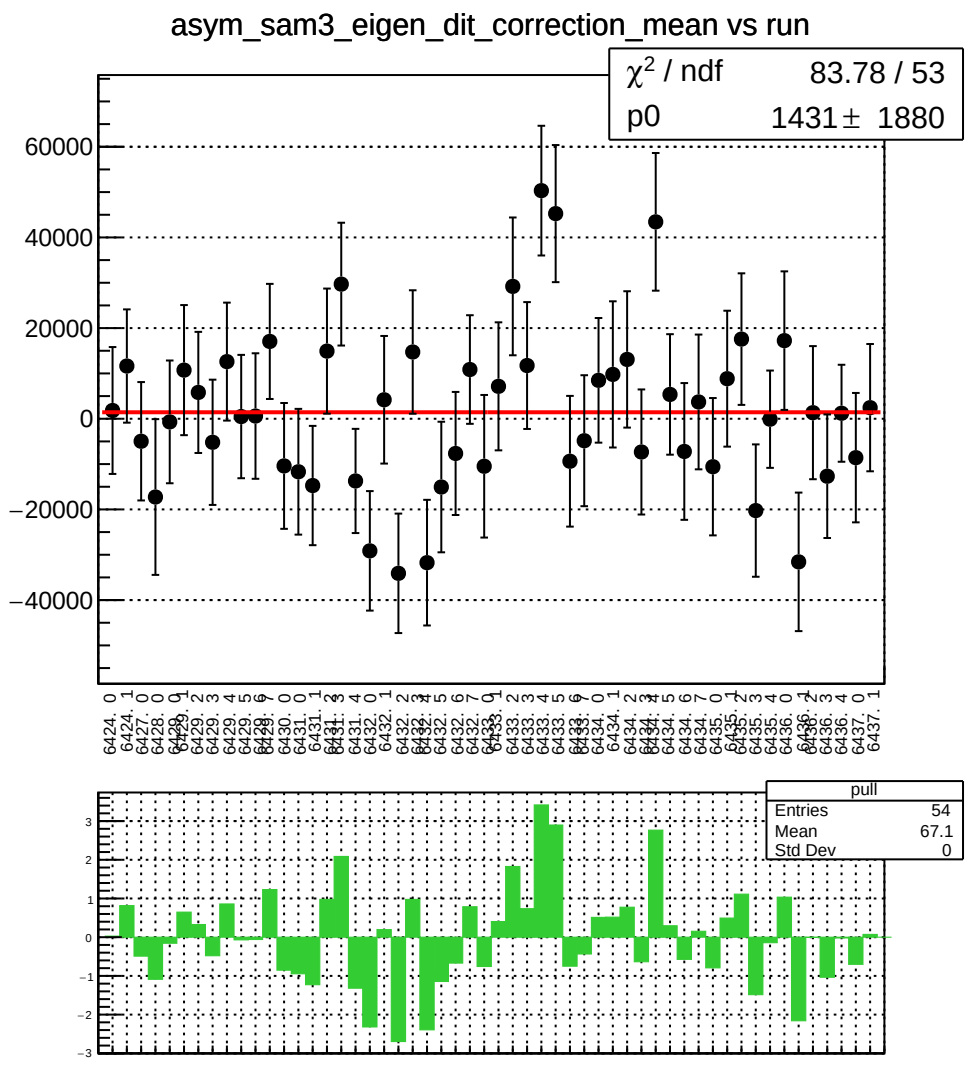

asym_sam3_dit_correction_mean vs run
χ² / ndf 83.78 / 53
p0 1431 ± 1880
60000
40000
20000
0
−20000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 67.1
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.01019
Std Dev 1.246
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

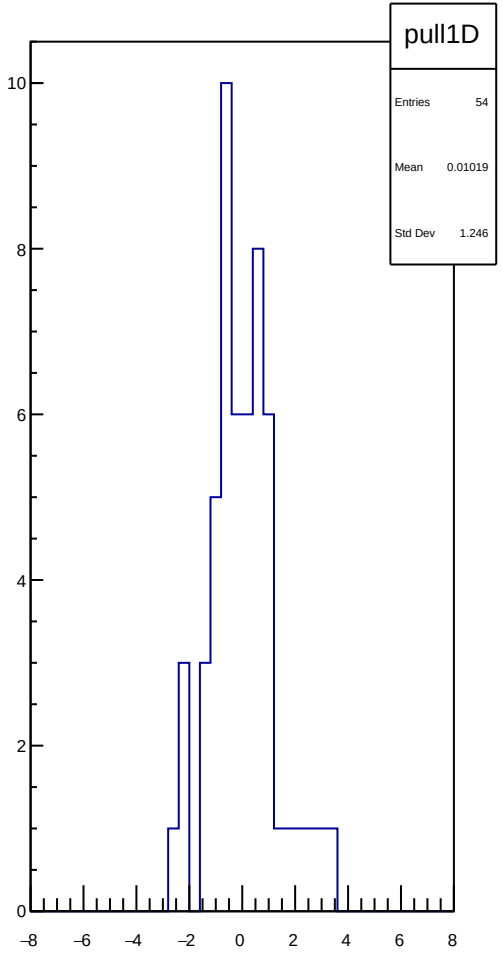

asym_sam3_dit_correction_rms vs run
χ² / ndf 2404 / 53
p0 1343 ± 1.33
1550
1500
1450
1400
1350
1300
1250
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

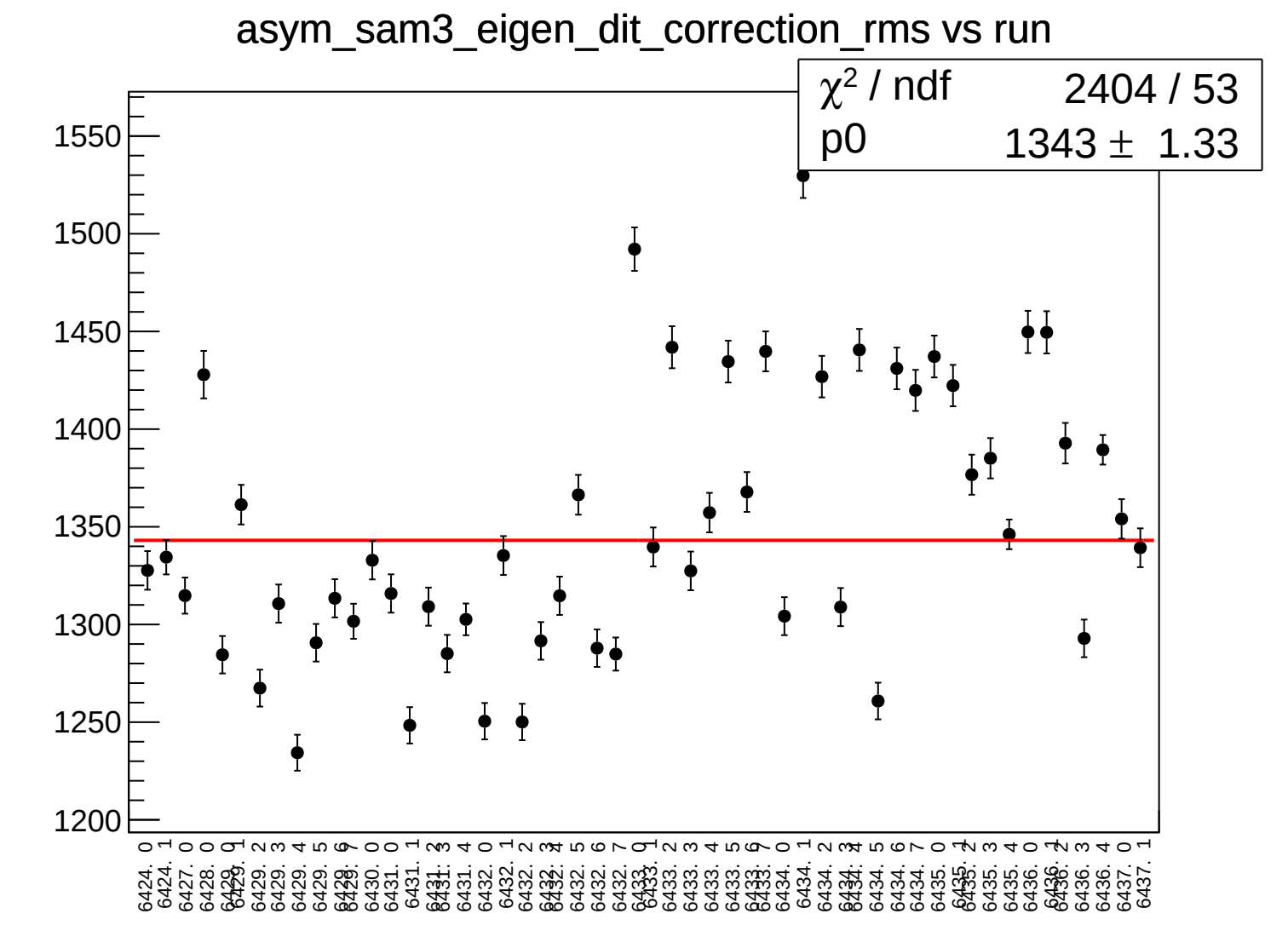

eigen_dit_asym_sam3_mean vs run
χ² / ndf 61.48 / 53
p0 98.32 ± 192.4
pull
Entries 54
Mean 52.2
Std Dev 0

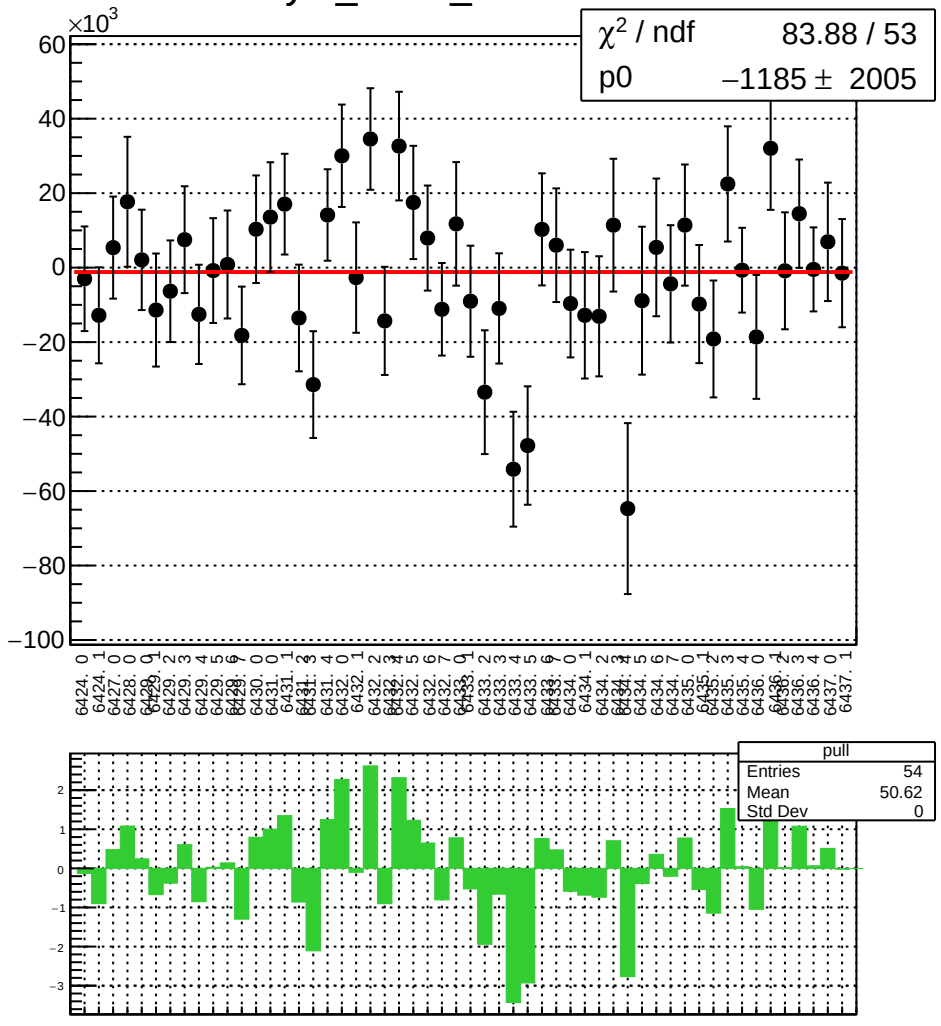

pull1D
Entries 54
Mean −0.07551
Std Dev 1.064

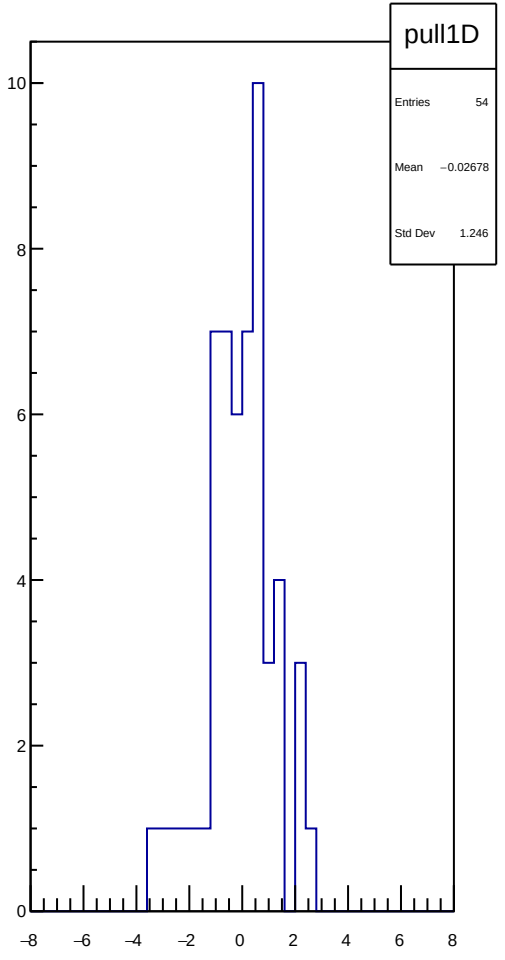

eigen_dit_asym_sam3_rms vs run
χ² / ndf 5.385e+04 / 53
p0 133.9 ± 0.1361
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

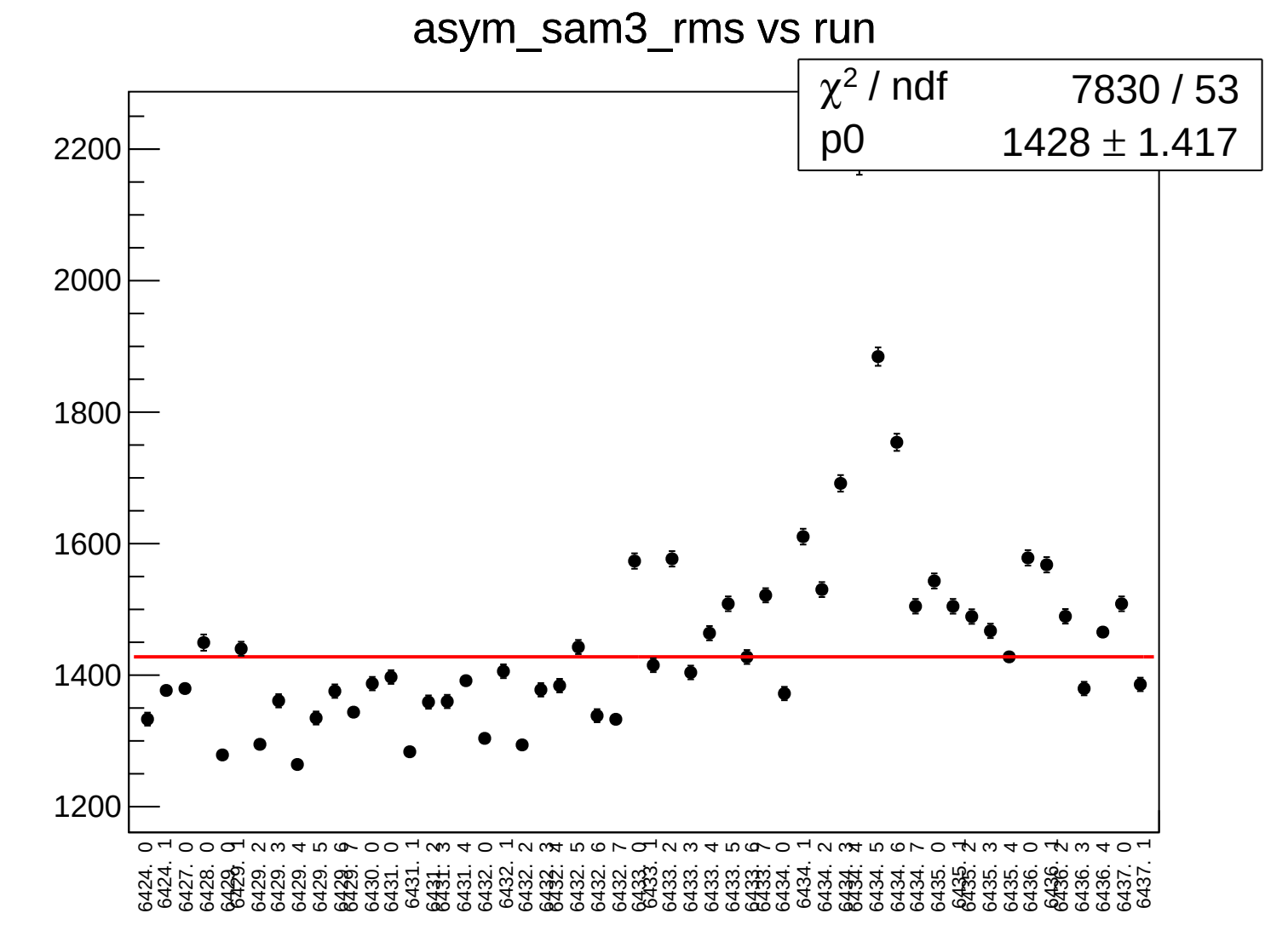

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 83.78 / 53
p0 1431 ± 1880
pull
Entries 54
Mean 67.1
Std Dev 0

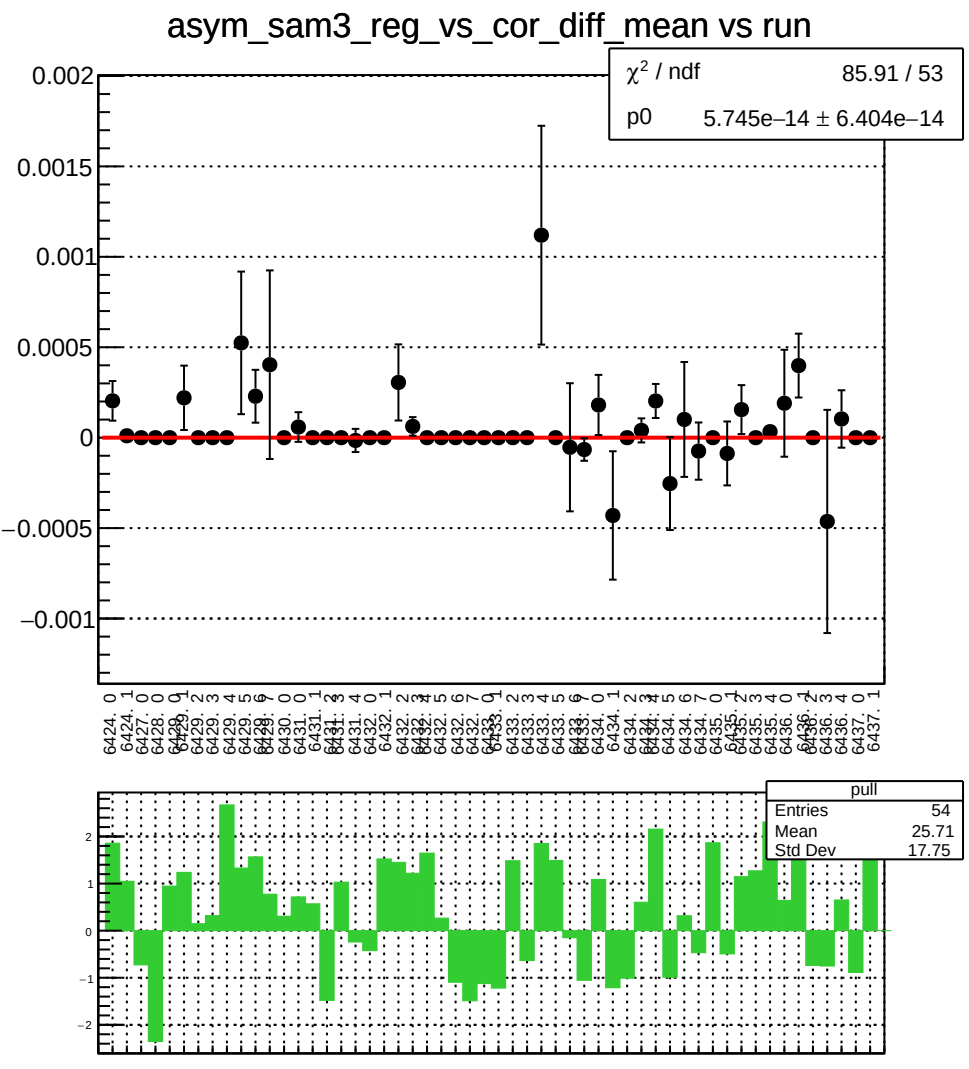

pull1D
Entries 54
Mean 0.01019
Std Dev 1.246

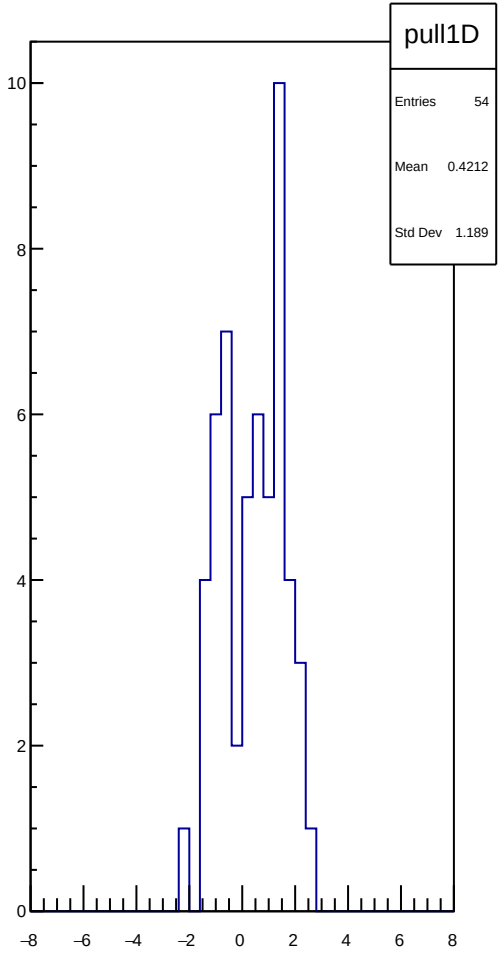

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 2404 / 53
p0 1343 ± 1.33
1550
1500
1450
1400
1350
1300
1250
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

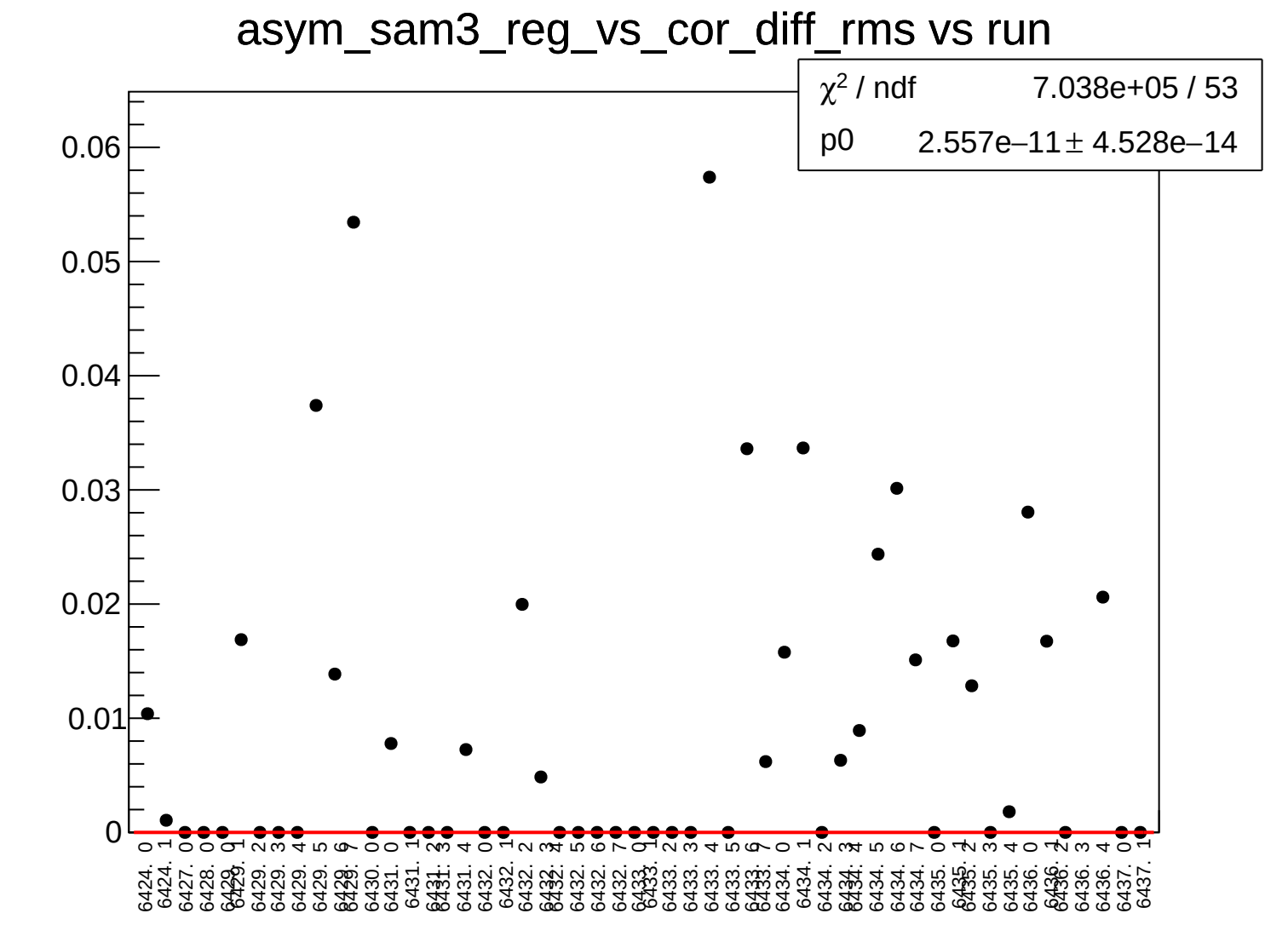

asym_sam3_mean vs run
χ^2 / ndf 83.88 / 53
p0 −1185 ± 2005
pull
Entries 54
Mean 50.62
Std Dev 0

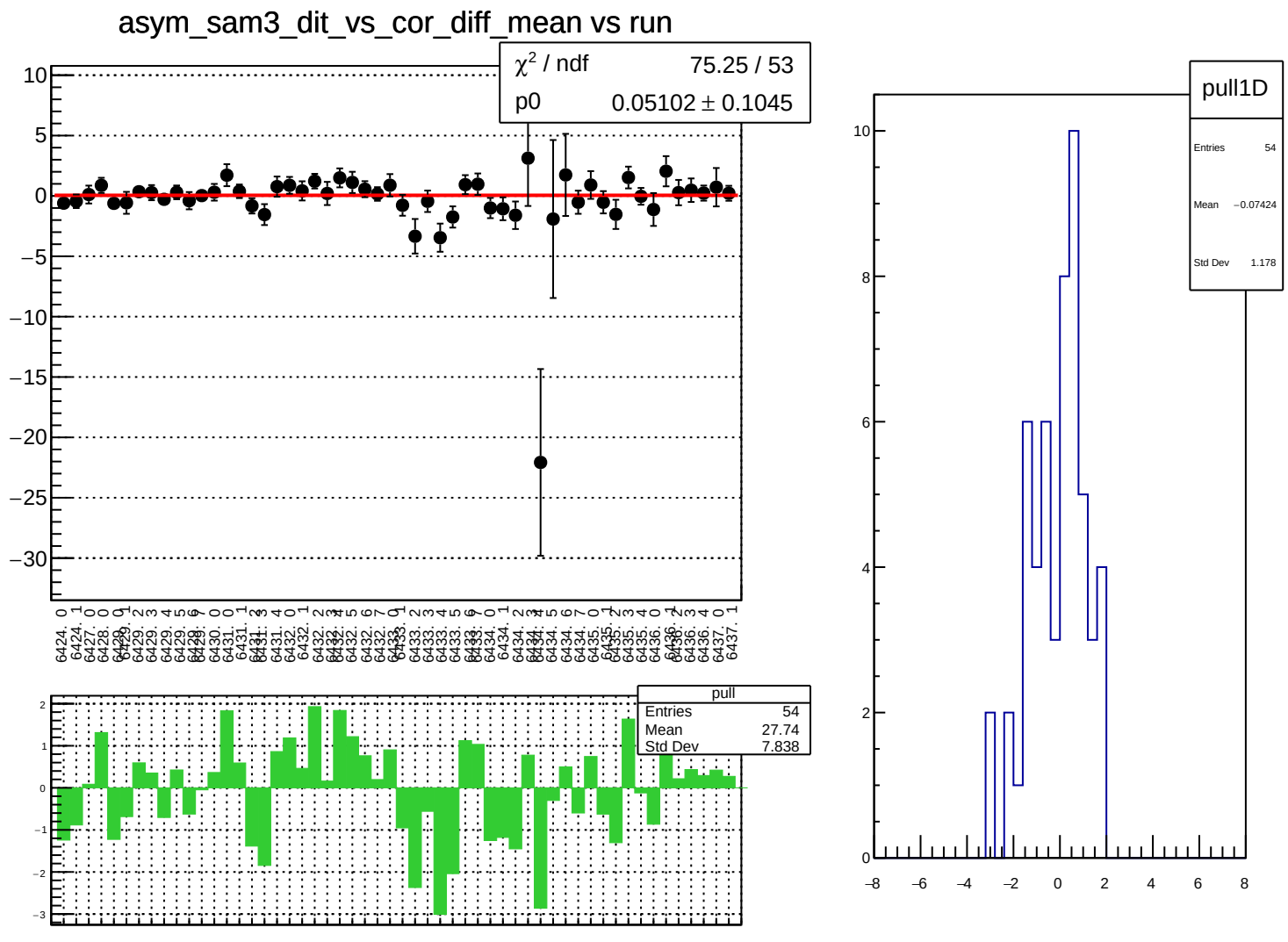

pull1D
Entries 54
Mean −0.02678
Std Dev 1.246

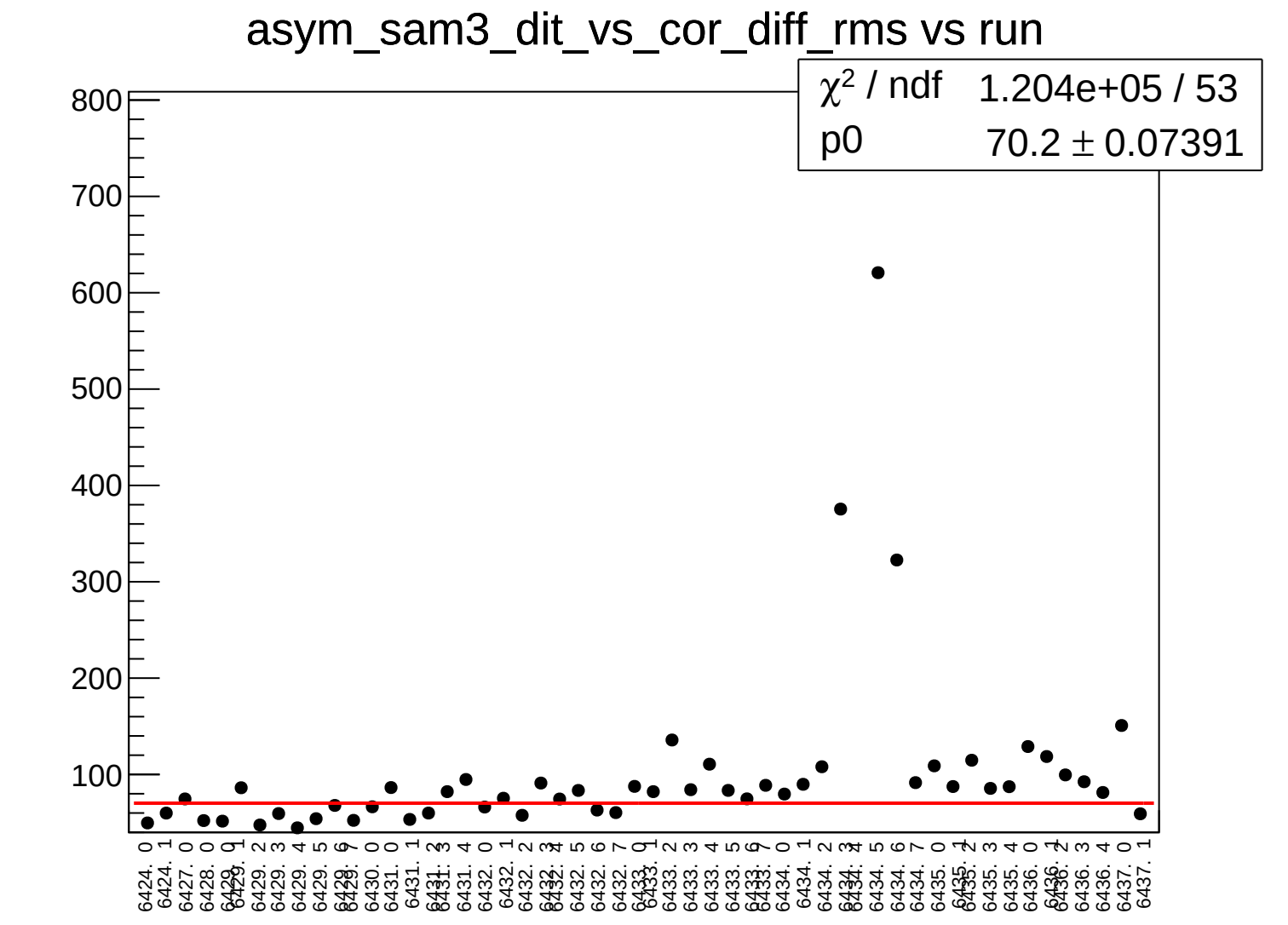

asym_sam3_rms vs run
χ² / ndf 7830 / 53
p0 1428 ± 1.417
2200
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

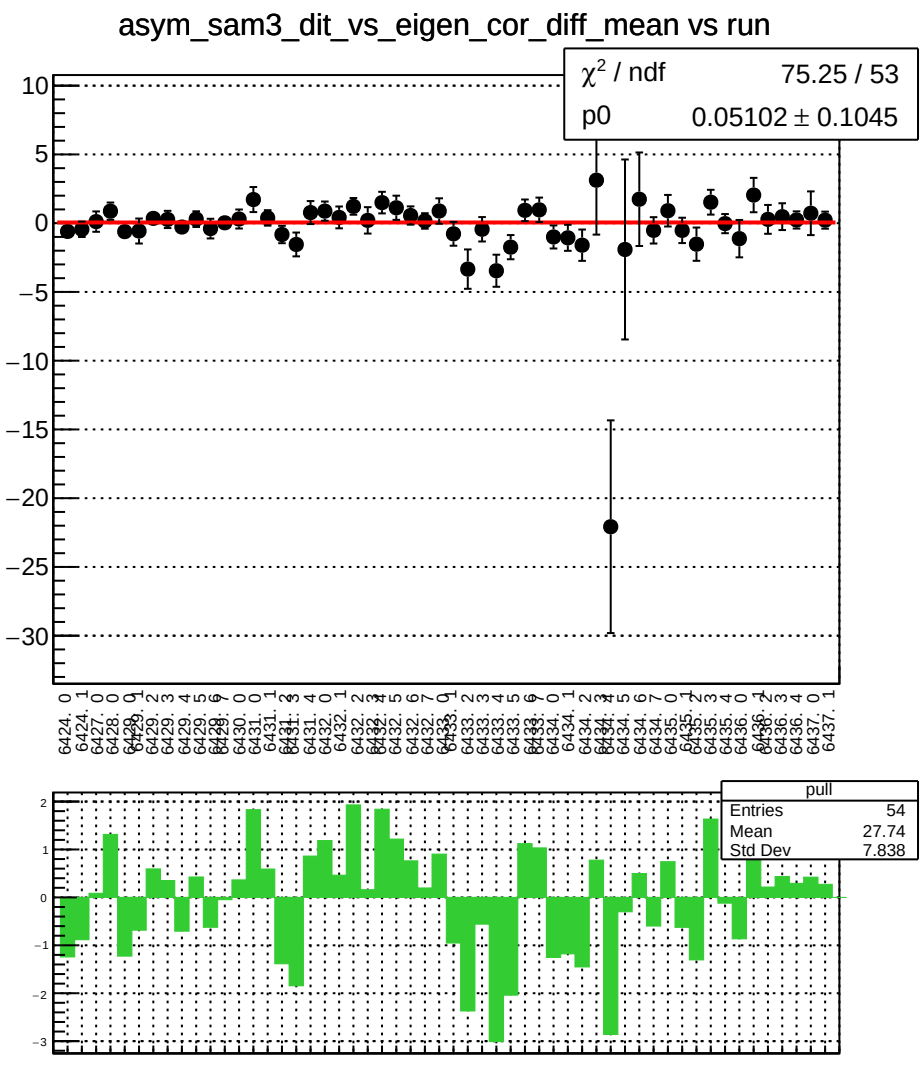

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 85.91 / 53
p0 5.745e−14 ± 6.404e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 25.71
Std Dev 17.75

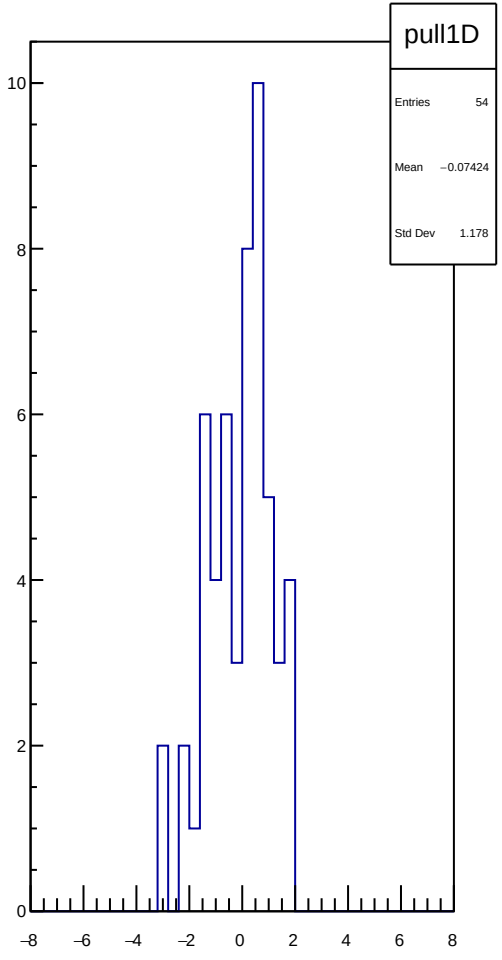

pull1D
Entries 54
Mean 0.4212
Std Dev 1.189

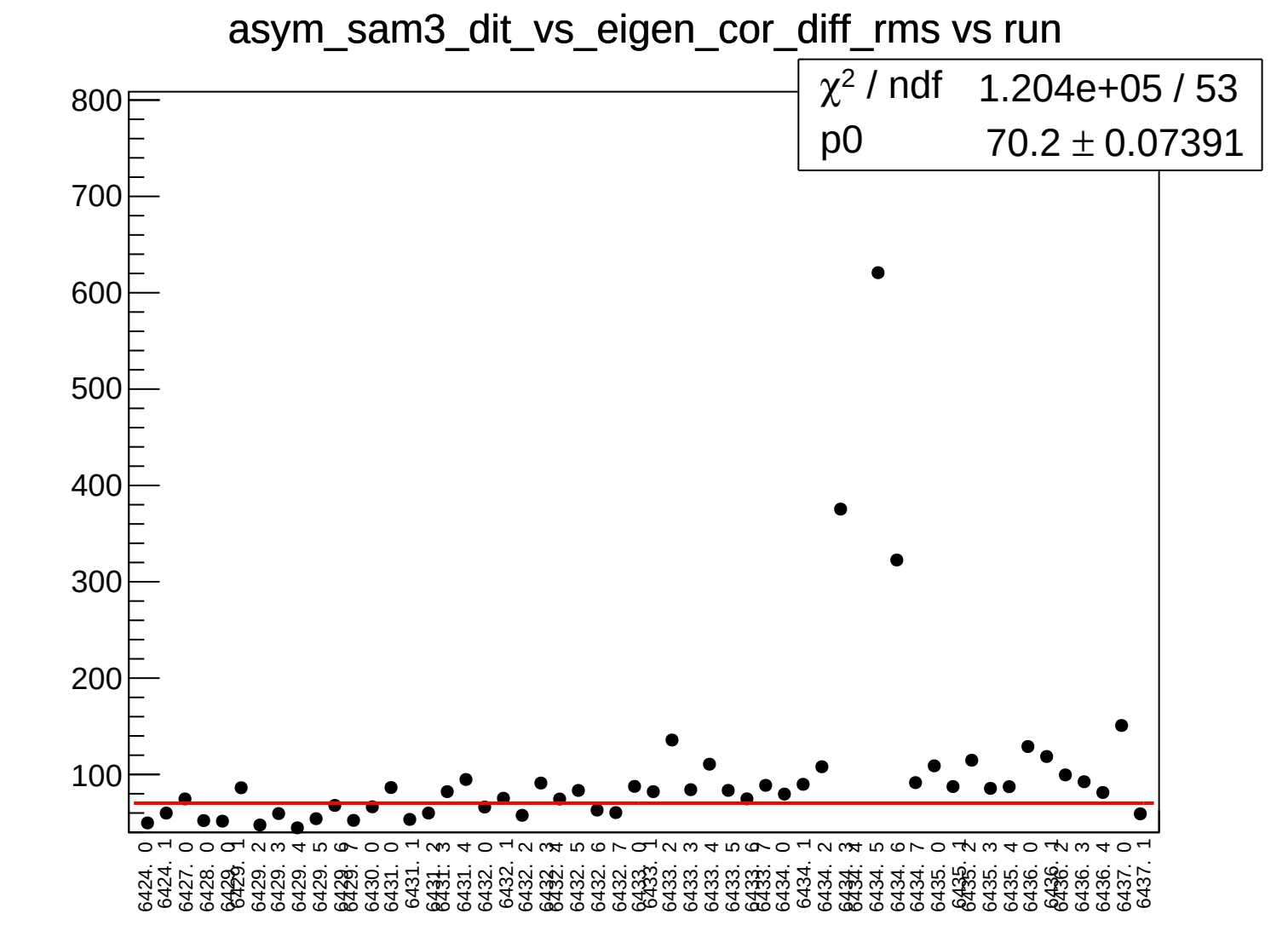

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 7.038e+05 / 53
p0 2.557e−11 ± 4.528e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

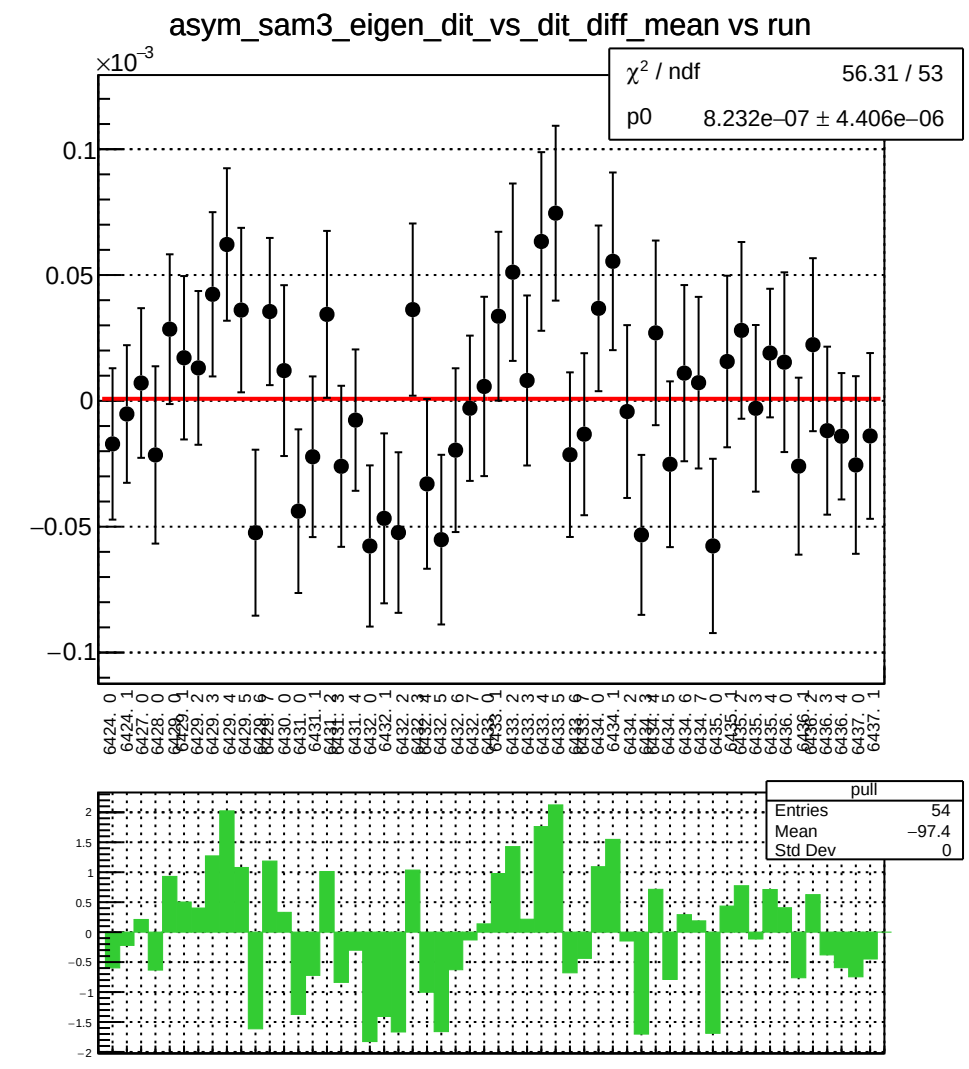

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 75.25 / 53
p0 0.05102 ± 0.1045
pull
Entries 54
Mean 27.74
Std Dev 7.838
pull1D
Entries 54
Mean −0.07424
Std Dev 1.178

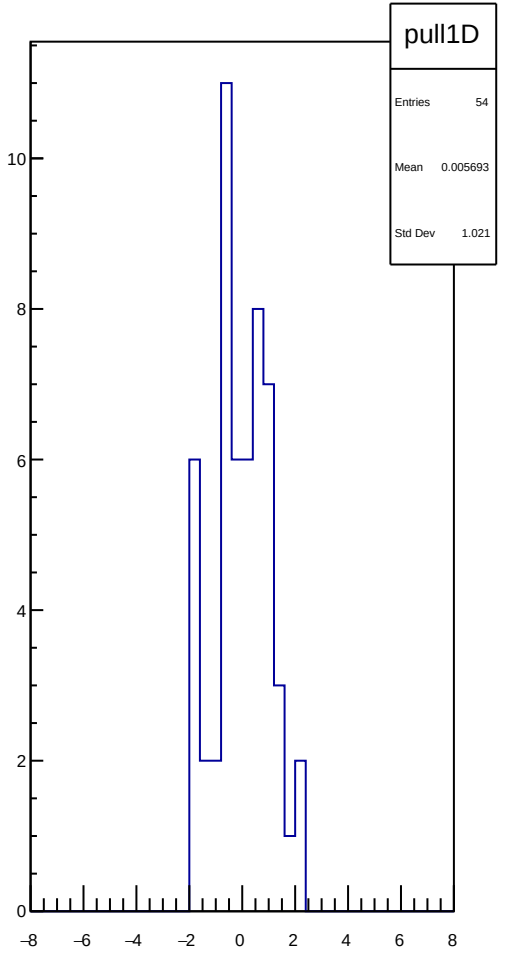

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.204e+05 / 53
p0 70.2 ± 0.07391
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

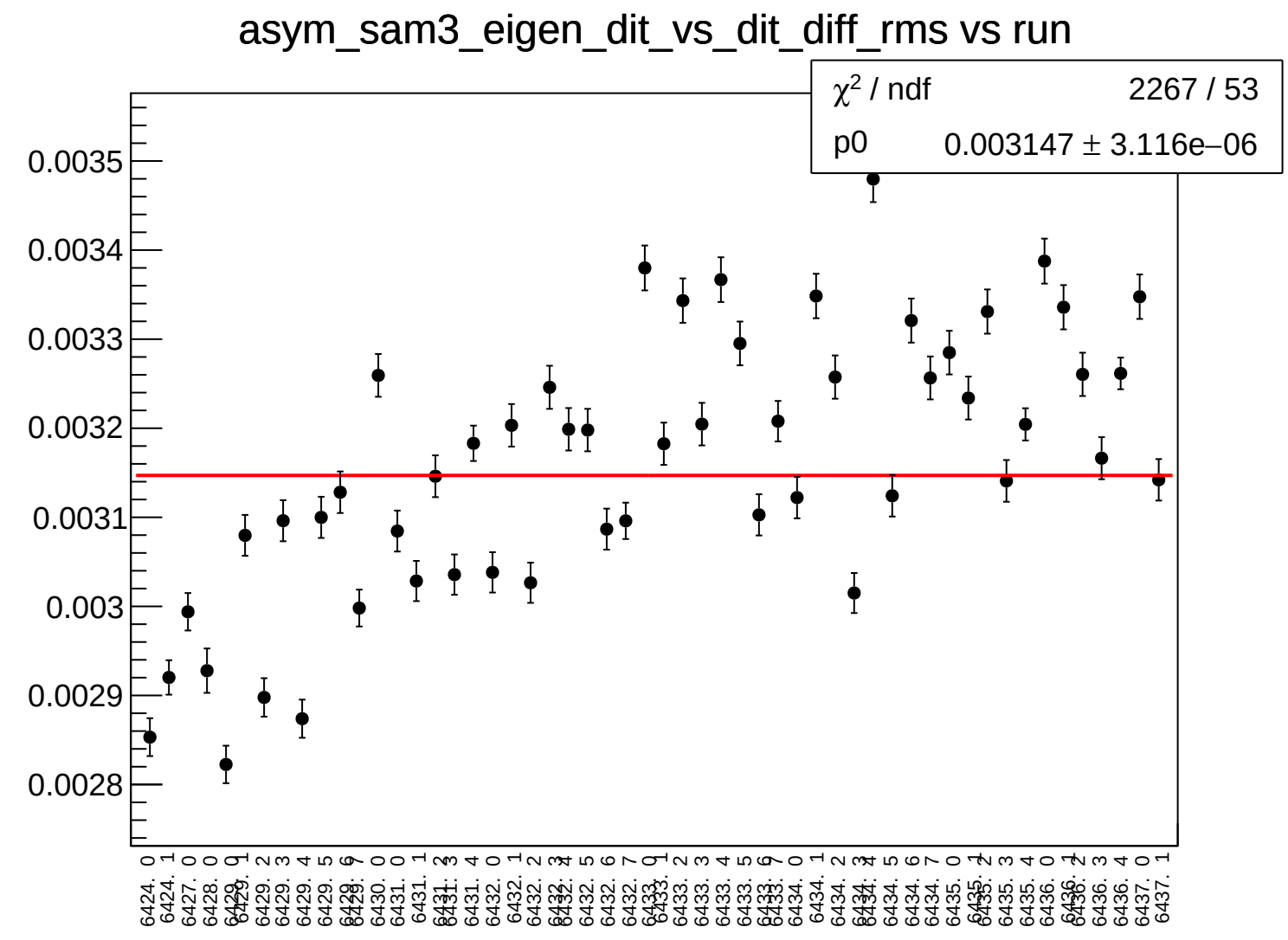

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.25 / 53
p0 0.05102 ± 0.1045
pull
Entries 54
Mean 27.74
Std Dev 7.838

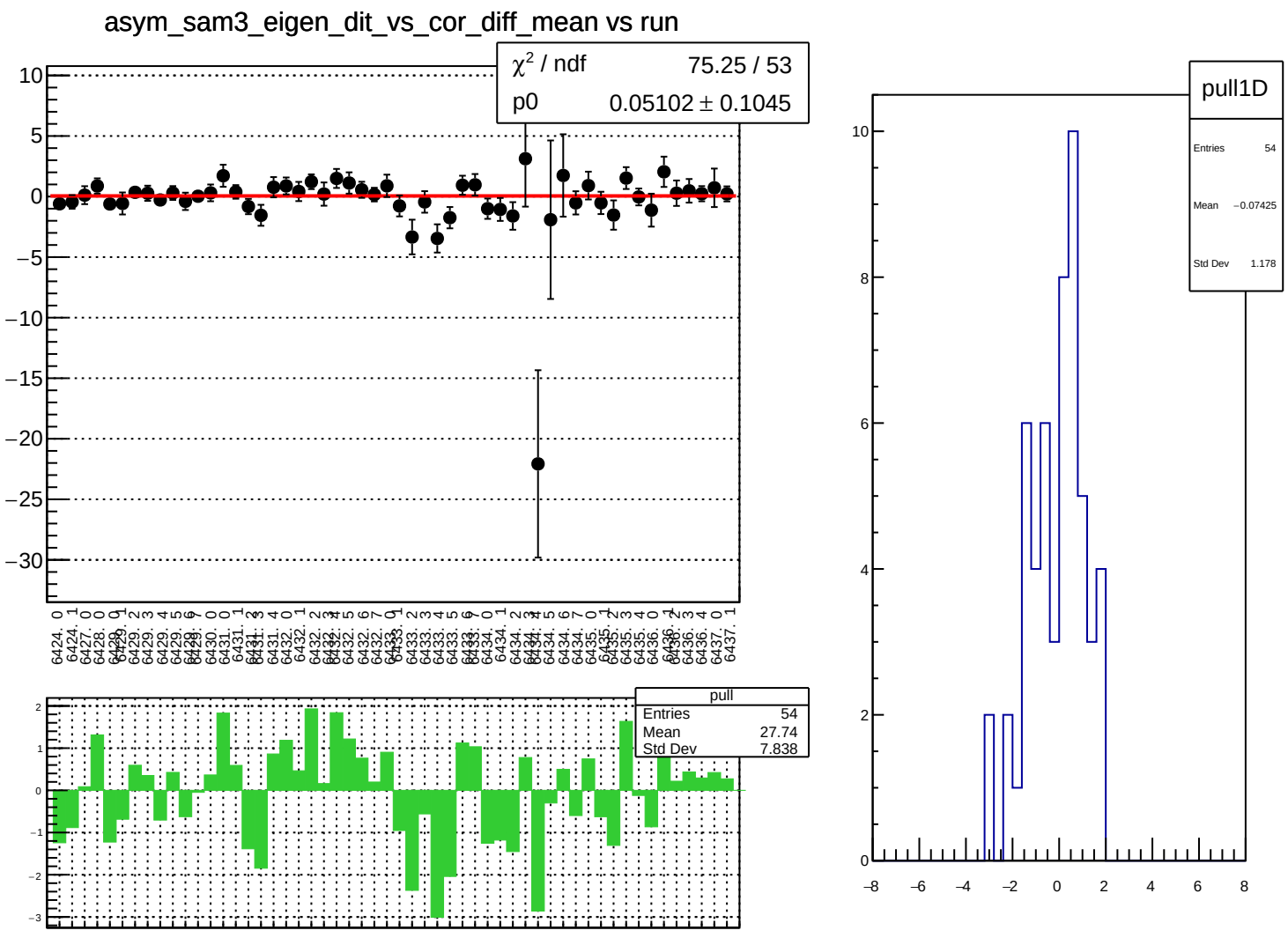

pull1D
Entries 54
Mean −0.07424
Std Dev 1.178

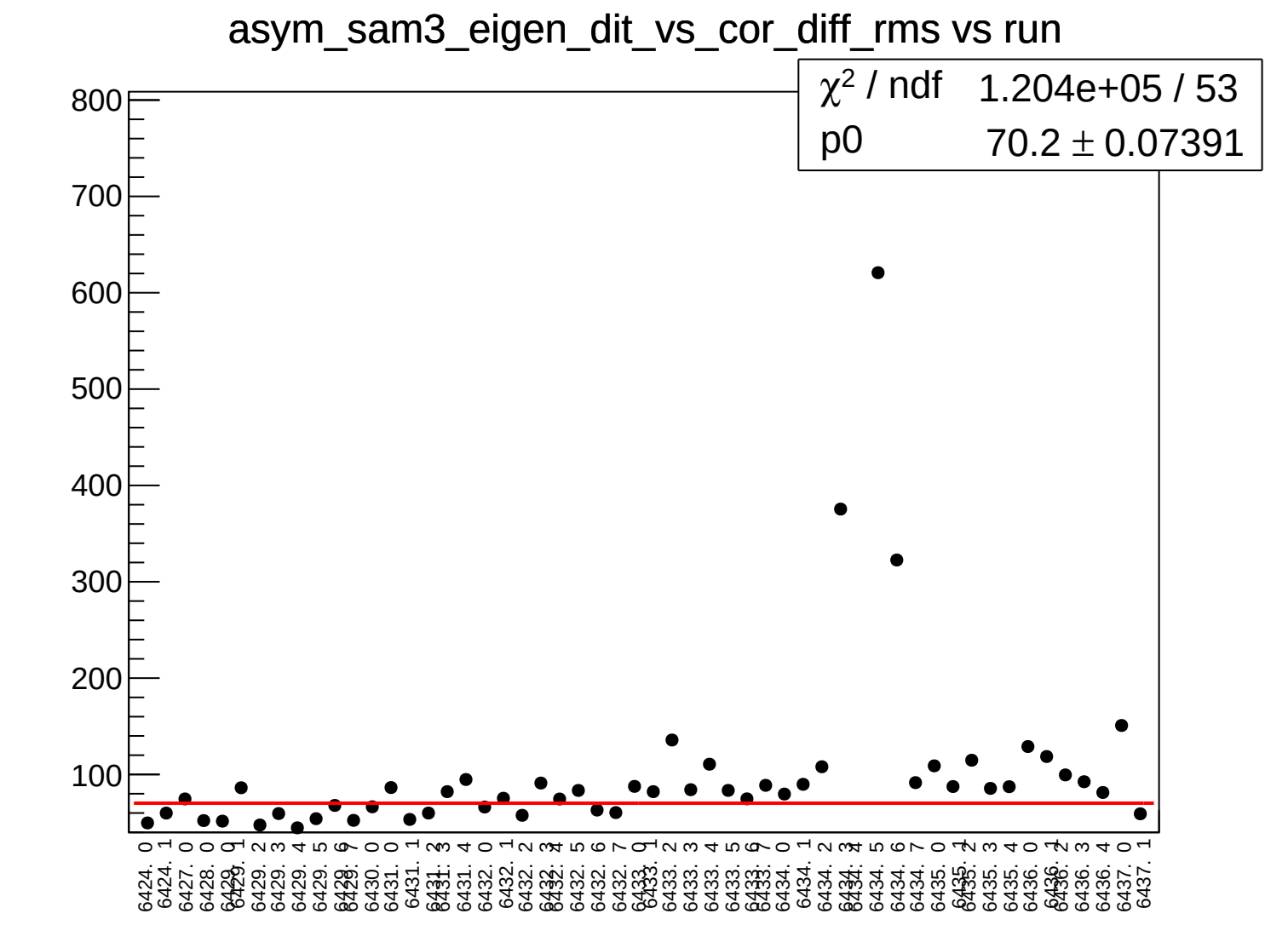

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.204e+05 / 53
p0 70.2 ± 0.07391
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

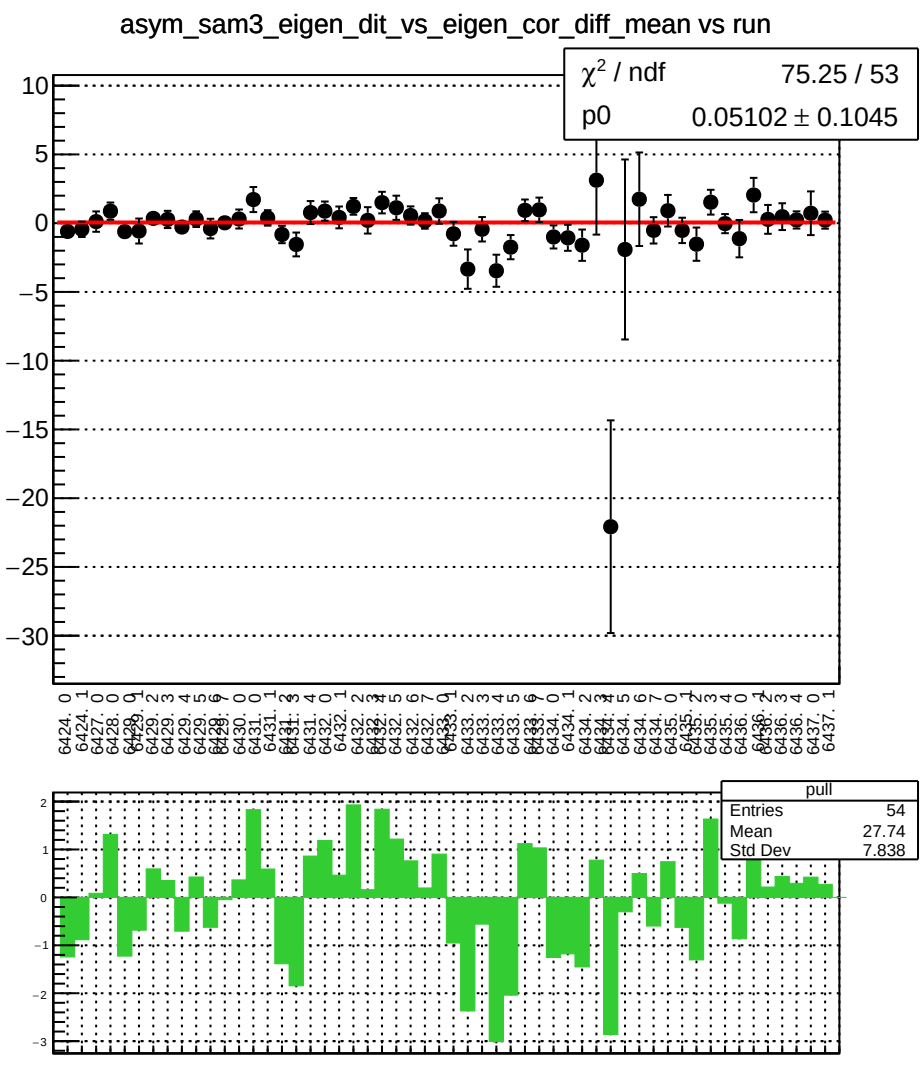

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.31 / 53
p0 8.232e−07 ± 4.406e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −97.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

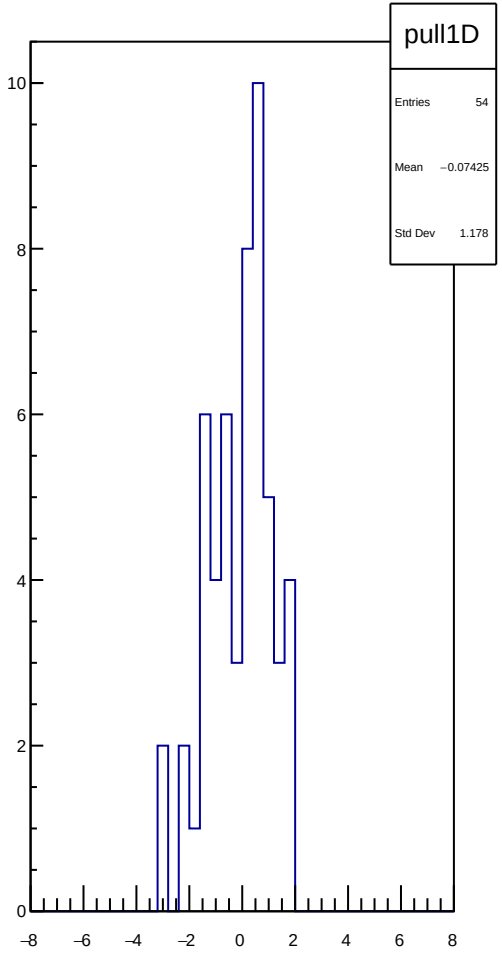

pull1D
Entries 54
Mean 0.005693
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

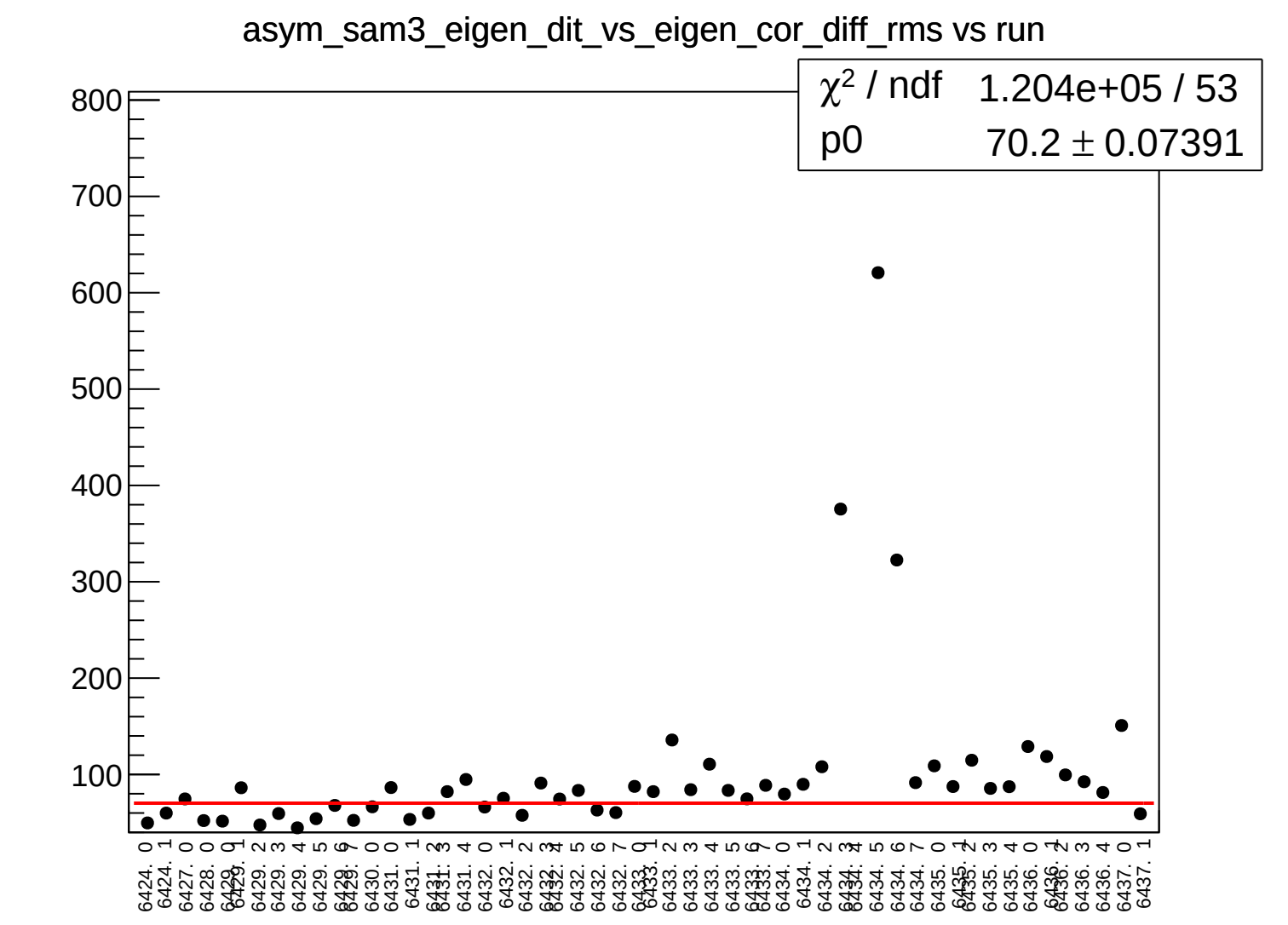

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2267 / 53
p0 0.003147 ± 3.116e−06
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.25 / 53
p0 0.05102 ± 0.1045
pull
Entries 54
Mean 27.74
Std Dev 7.838
pull1D
Entries 54
Mean −0.07425
Std Dev 1.178


asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.204e+05 / 53
p0 70.2 ± 0.07391
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.25 / 53
p0 0.05102 ± 0.1045
pull
Entries 54
Mean 27.74
Std Dev 7.838


pull1D
Entries 54
Mean −0.07425
Std Dev 1.178


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.204e+05 / 53
p0 70.2 ± 0.07391
800
700
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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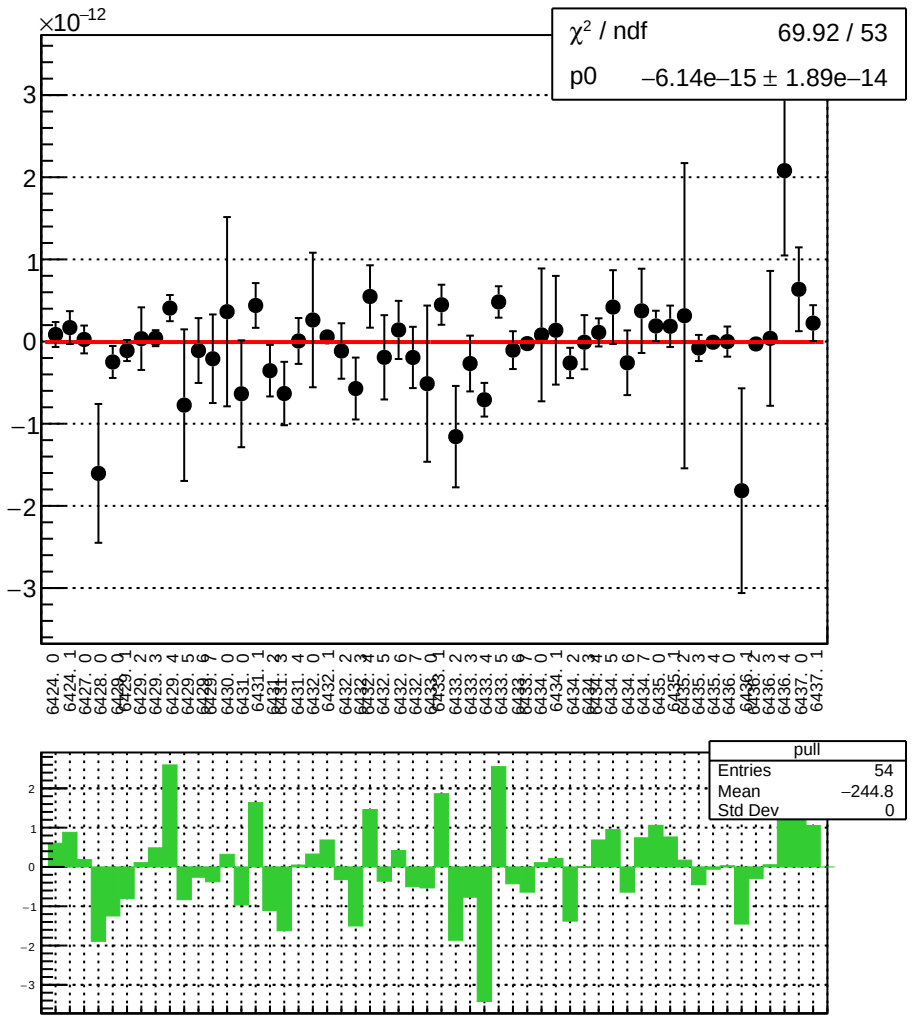
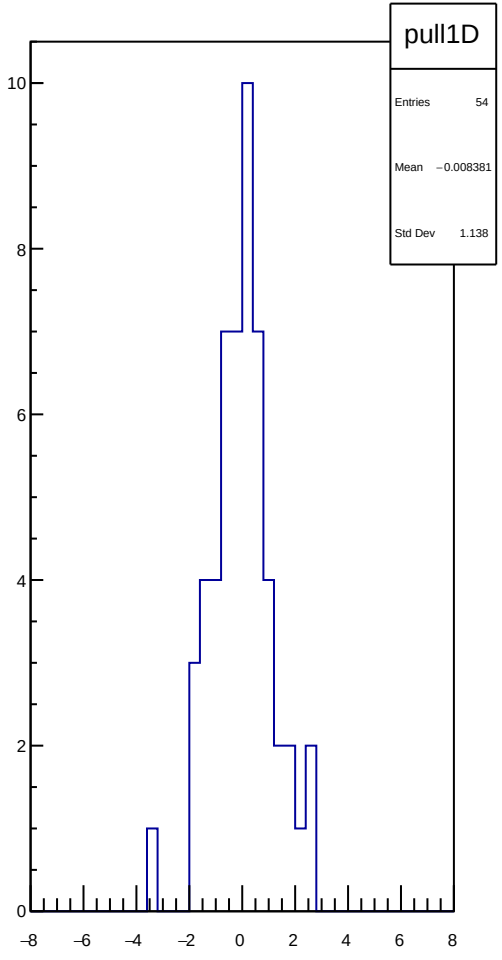
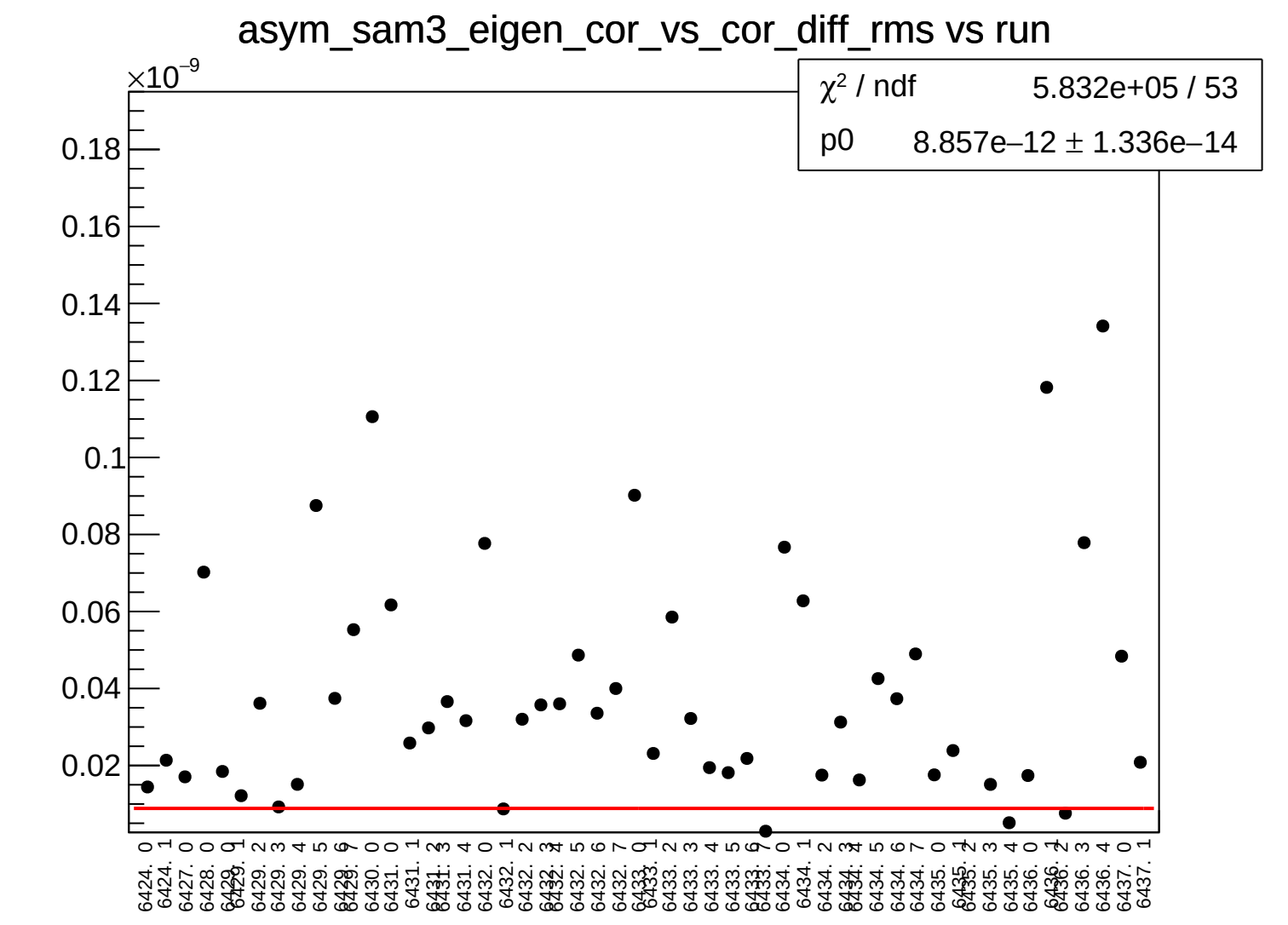
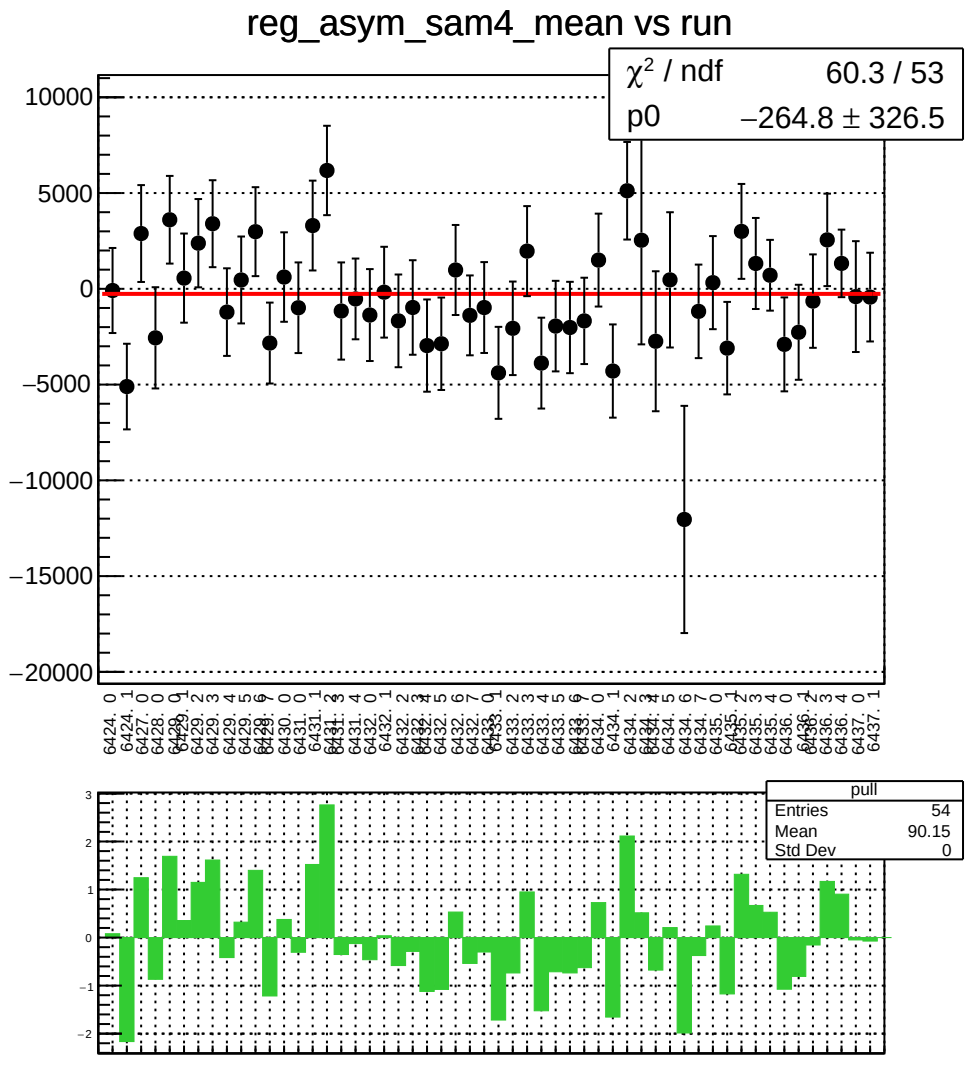
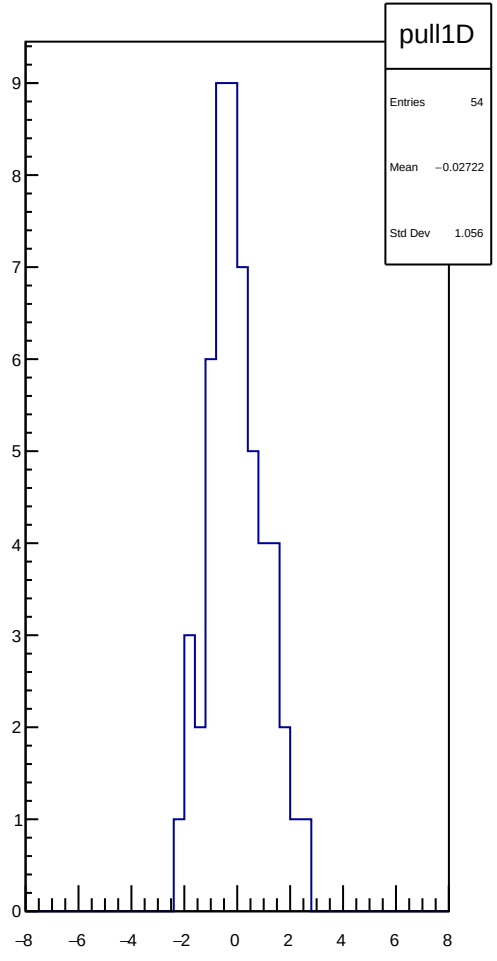
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

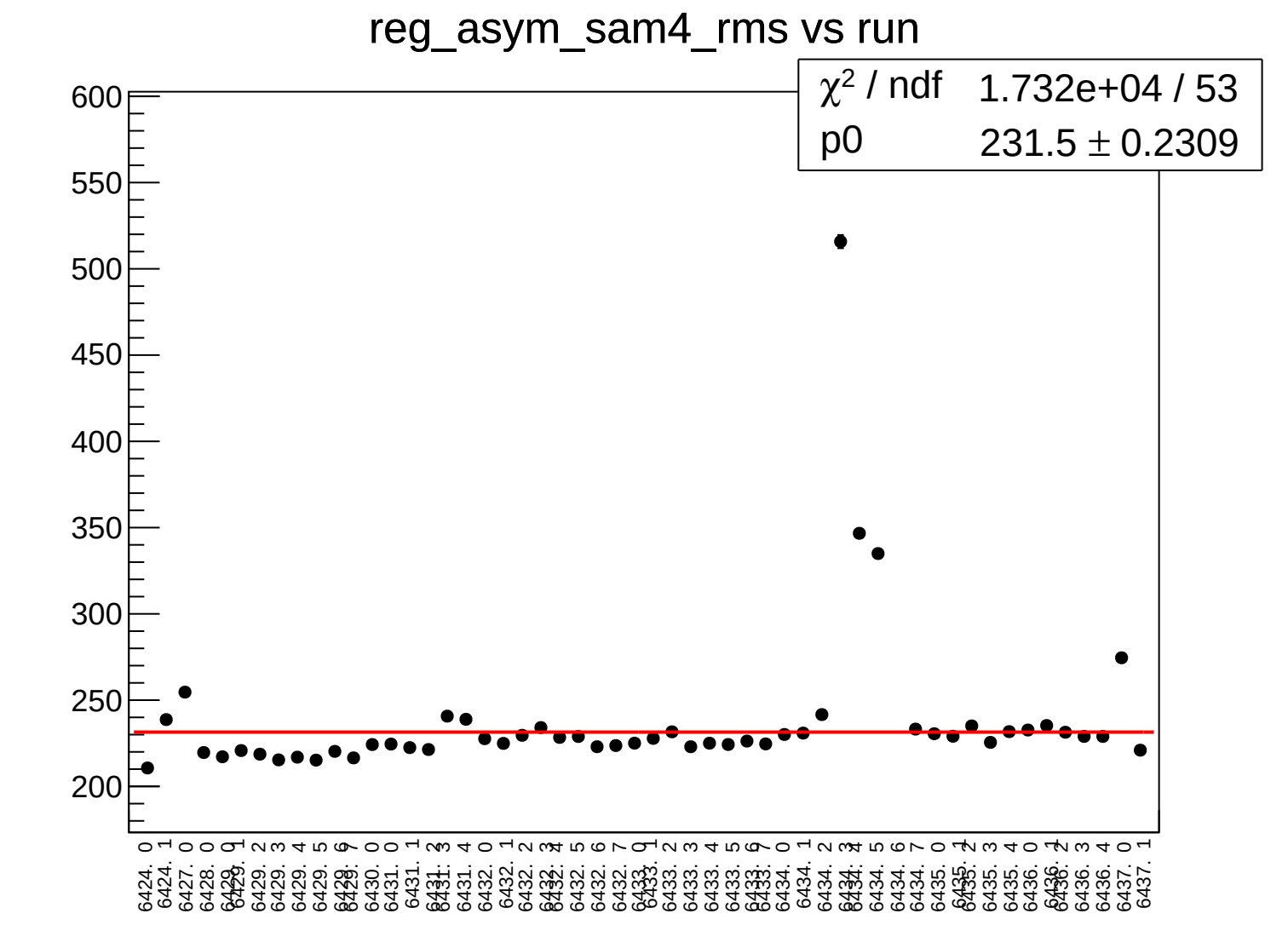

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.92 / 53
p0 −6.14e−15 ± 1.89e−14
pull
Entries 54
Mean −244.8
Std Dev 0

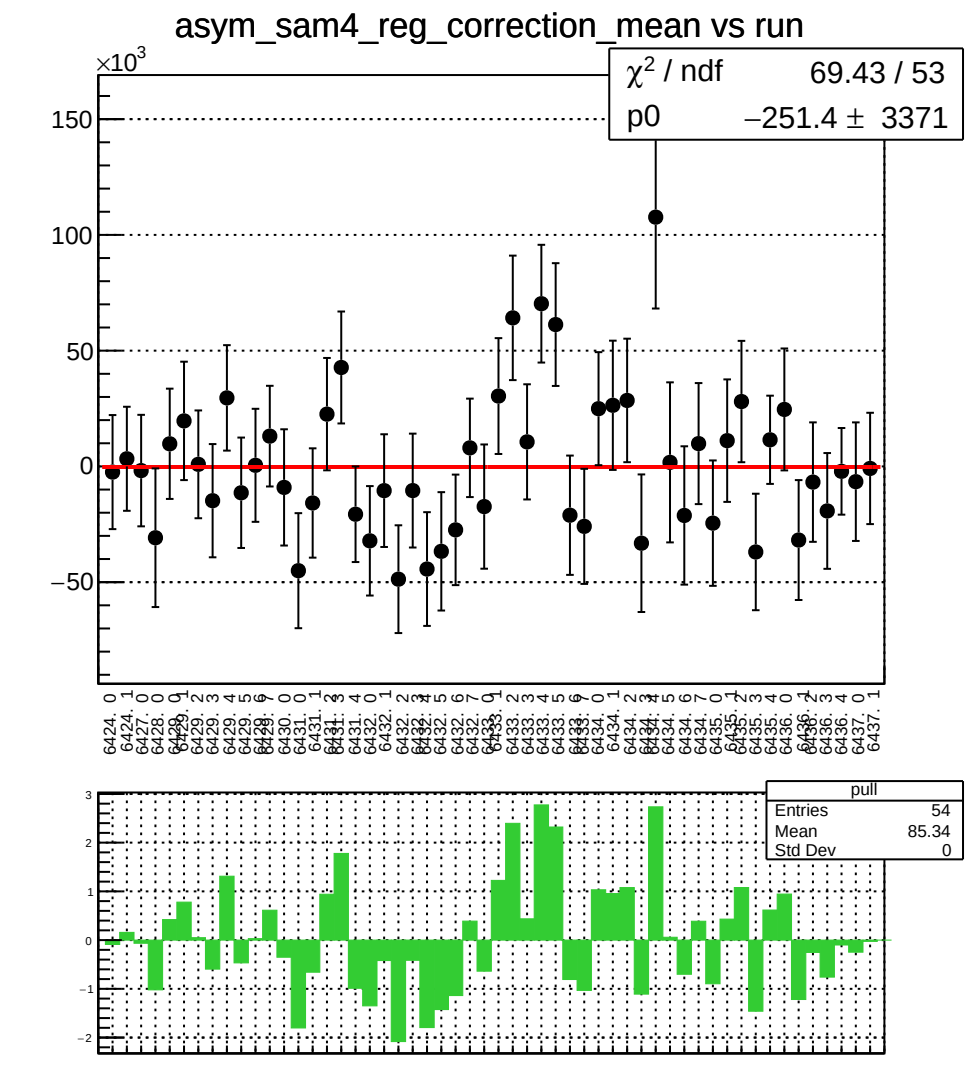

pull1D
Entries 54
Mean −0.008381
Std Dev 1.138

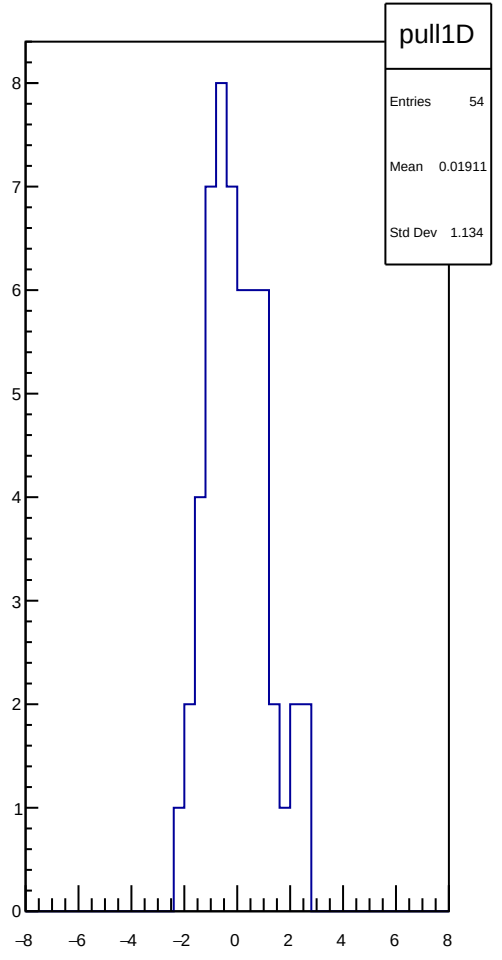

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.832e+05 / 53
p0 8.857e−12 ± 1.336e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_sam4_mean vs run
χ² / ndf 60.3 / 53
p0 −264.8 ± 326.5
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 90.15
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02722
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ^2 / ndf 1.732e+04 / 53
p0 231.5 ± 0.2309
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 69.43 / 53
p0 −251.4 ± 3371
150
100
50
0
−50
pull
Entries 54
Mean 85.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01911
Std Dev 1.134
8
7
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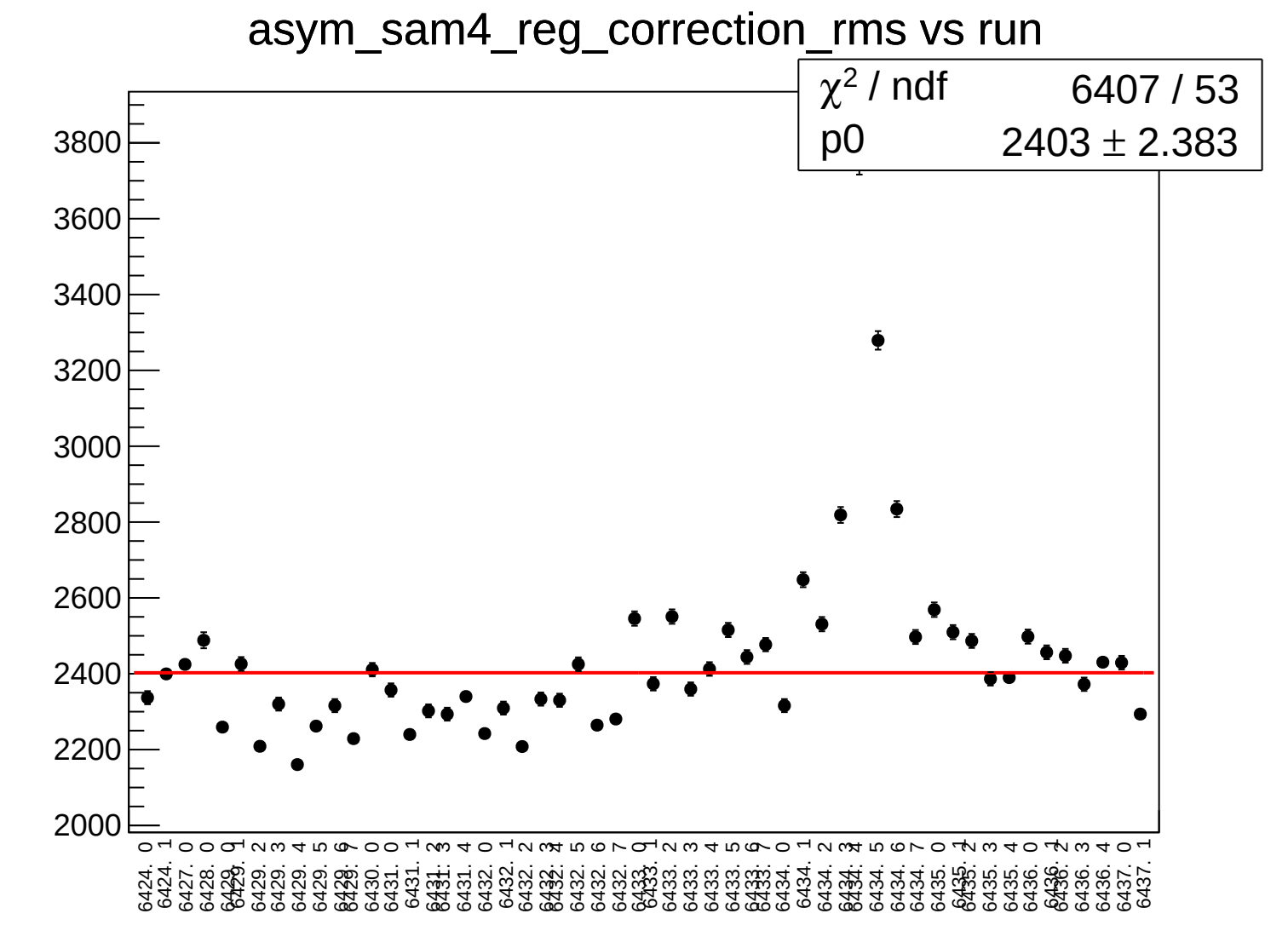
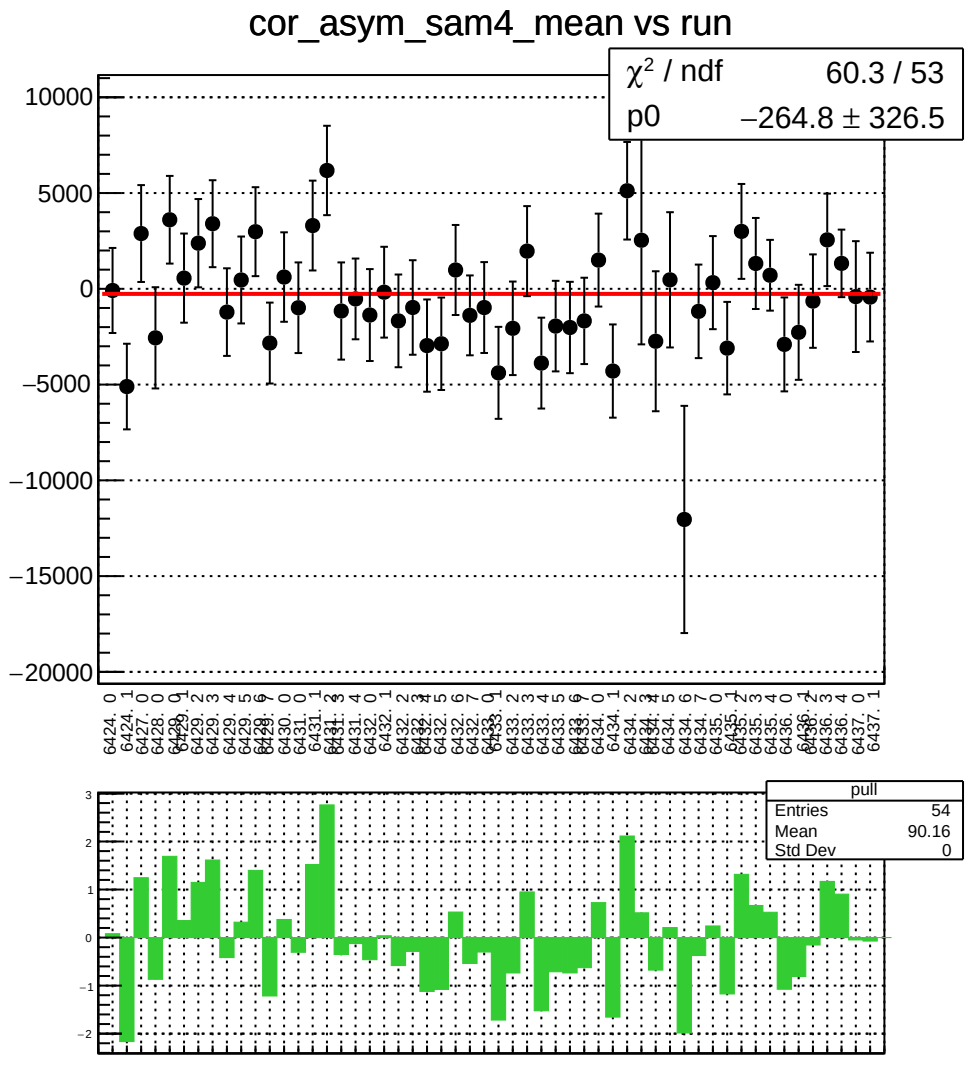
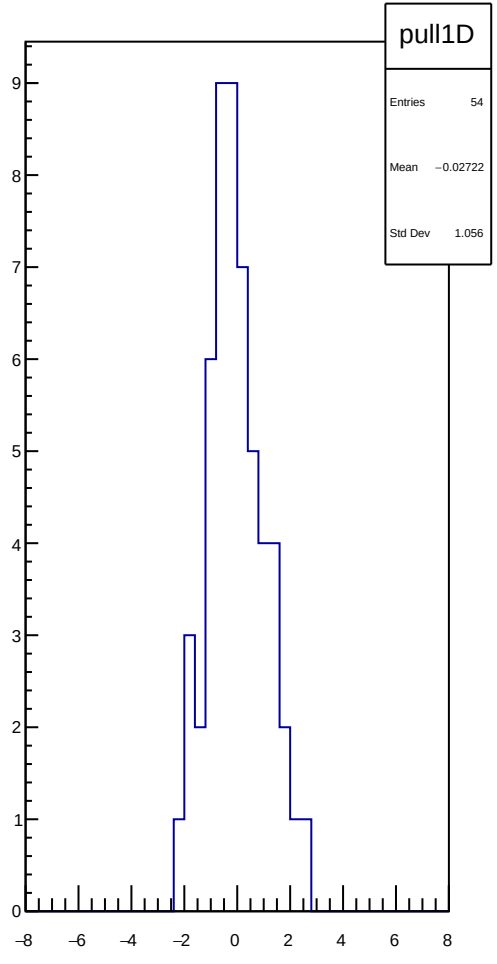
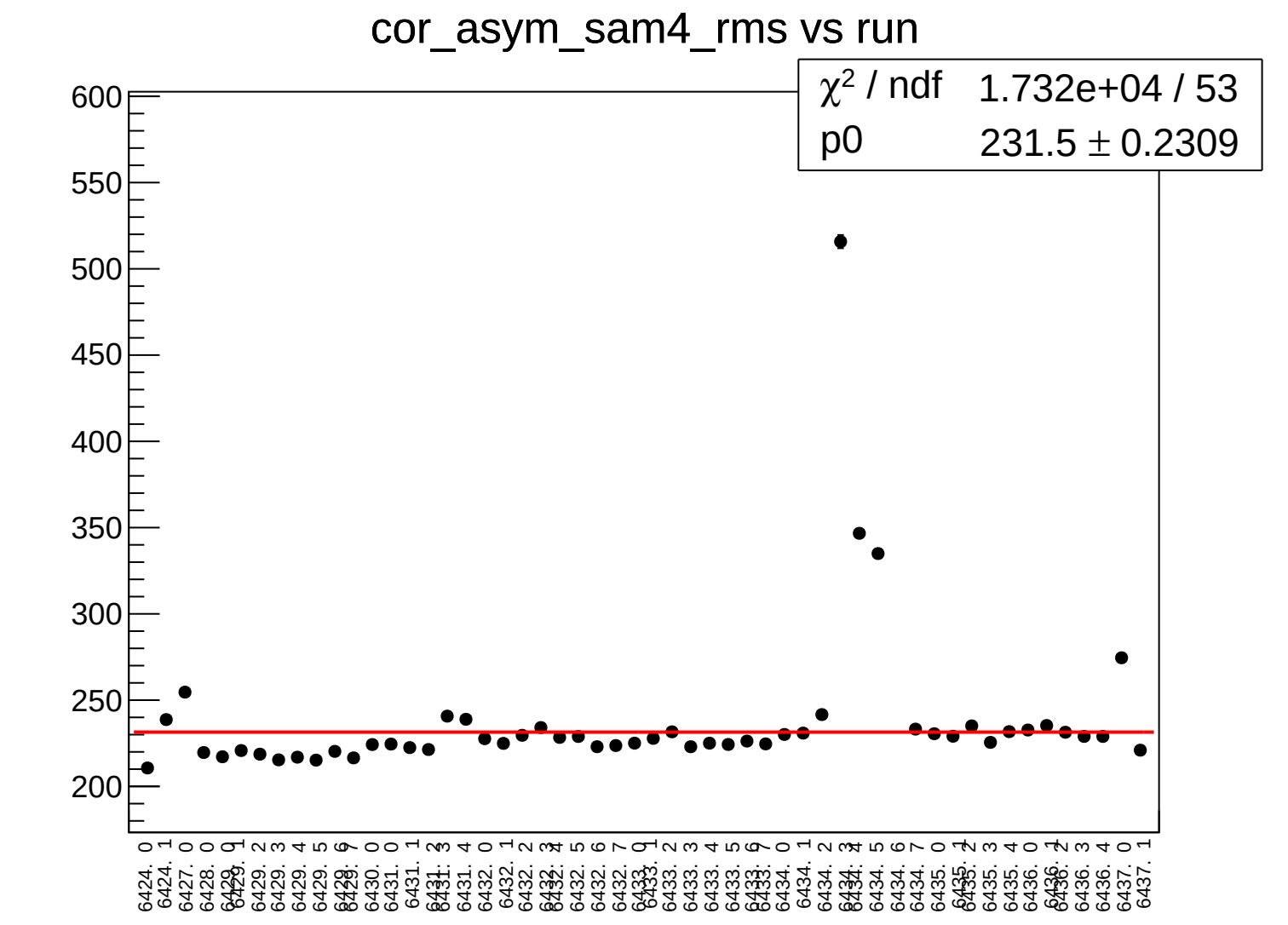
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_reg_correction_rms vs run
χ² / ndf 6407 / 53
p0 2403 ± 2.383
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam4_mean vs run
χ² / ndf 60.3 / 53
p0 −264.8 ± 326.5
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 90.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02722
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam4_rms vs run
χ^2 / ndf 1.732e+04 / 53
p0 231.5 ± 0.2309
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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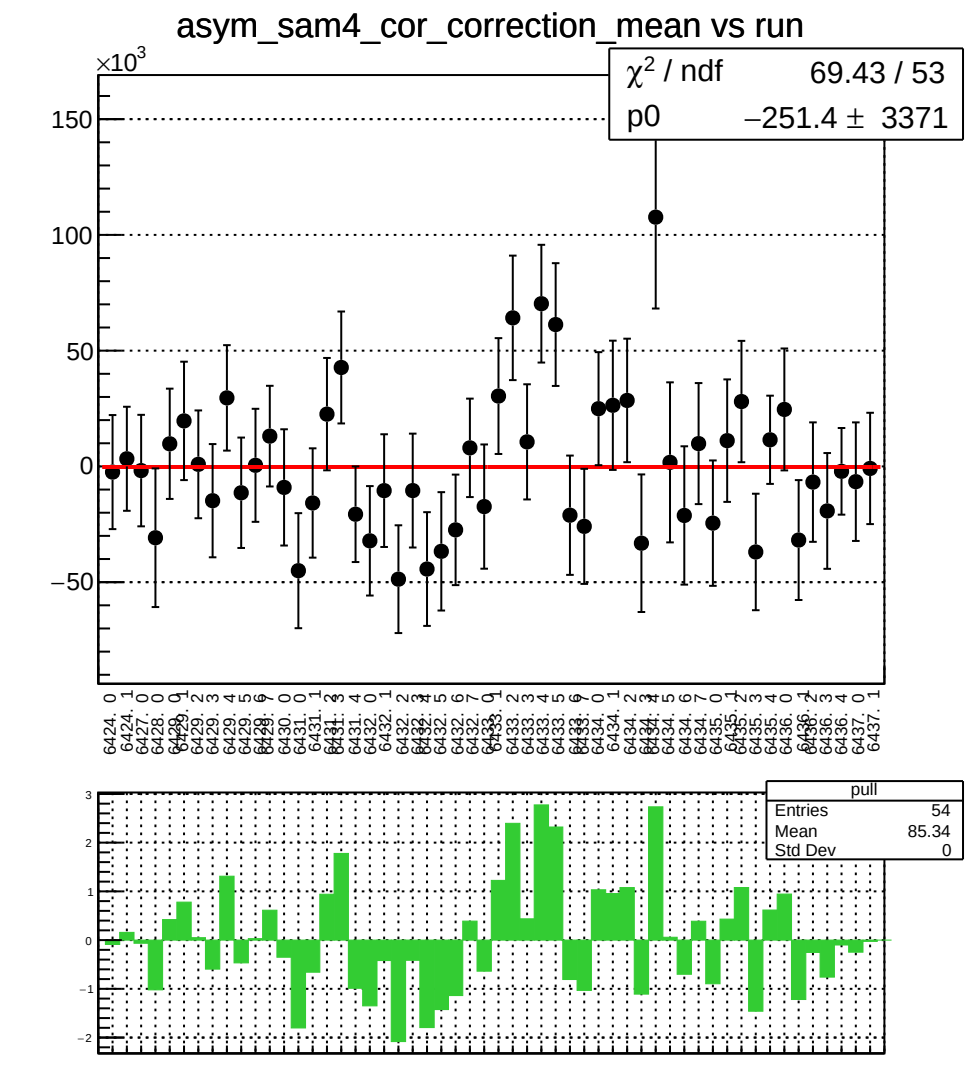
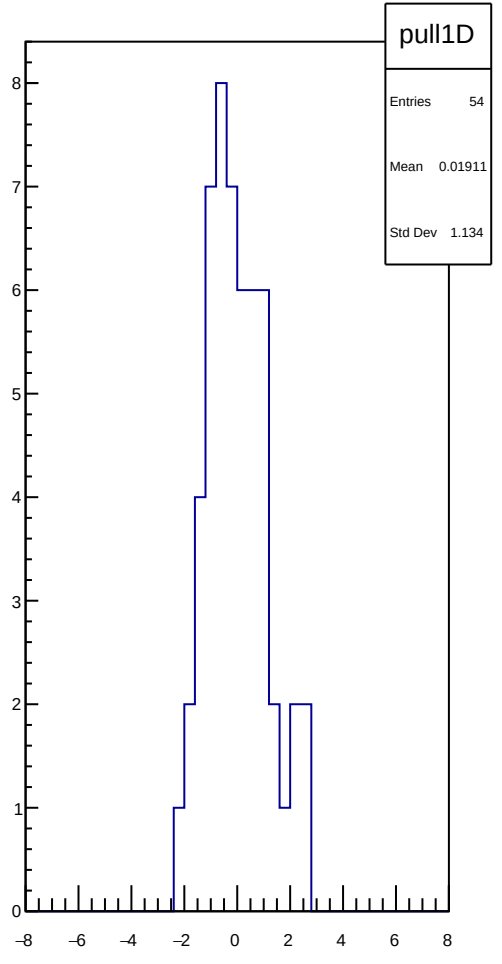
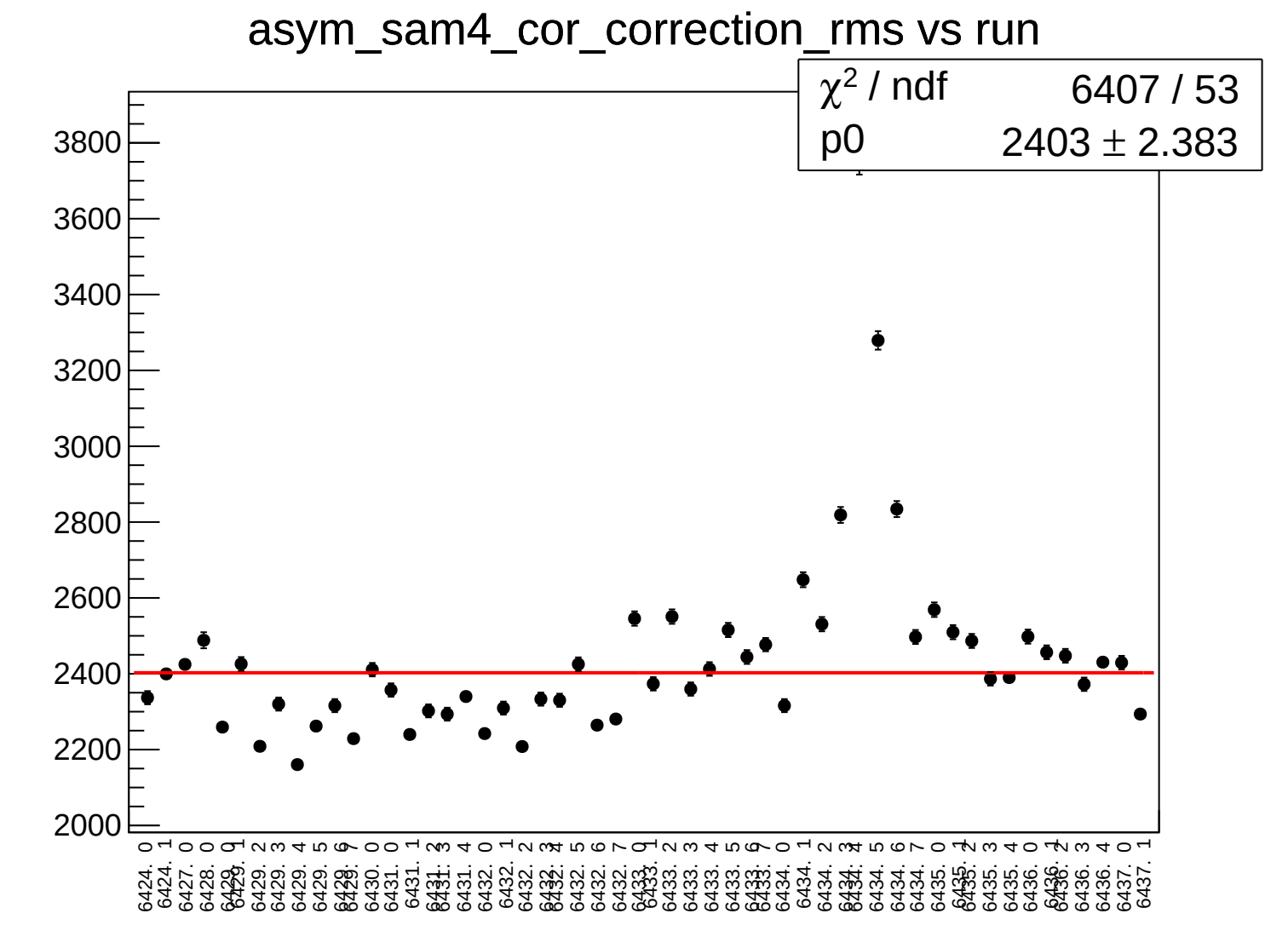
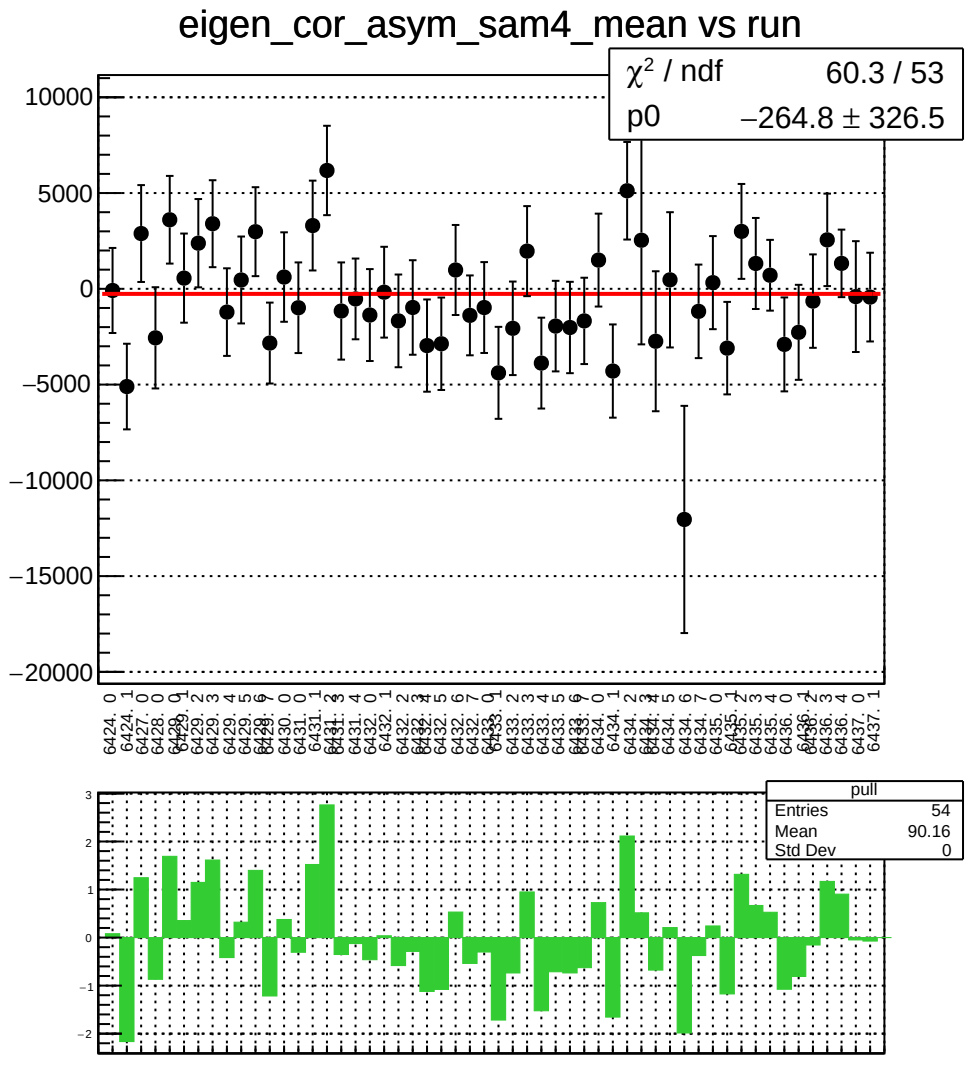
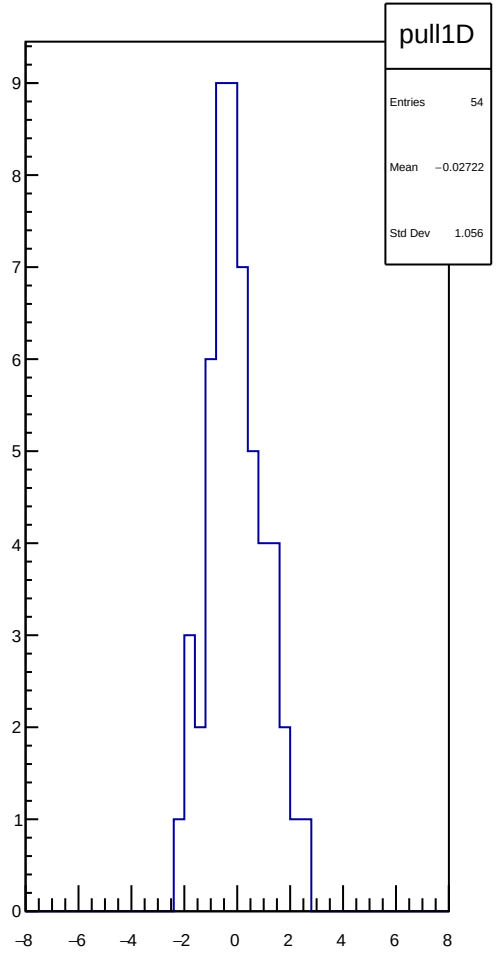
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

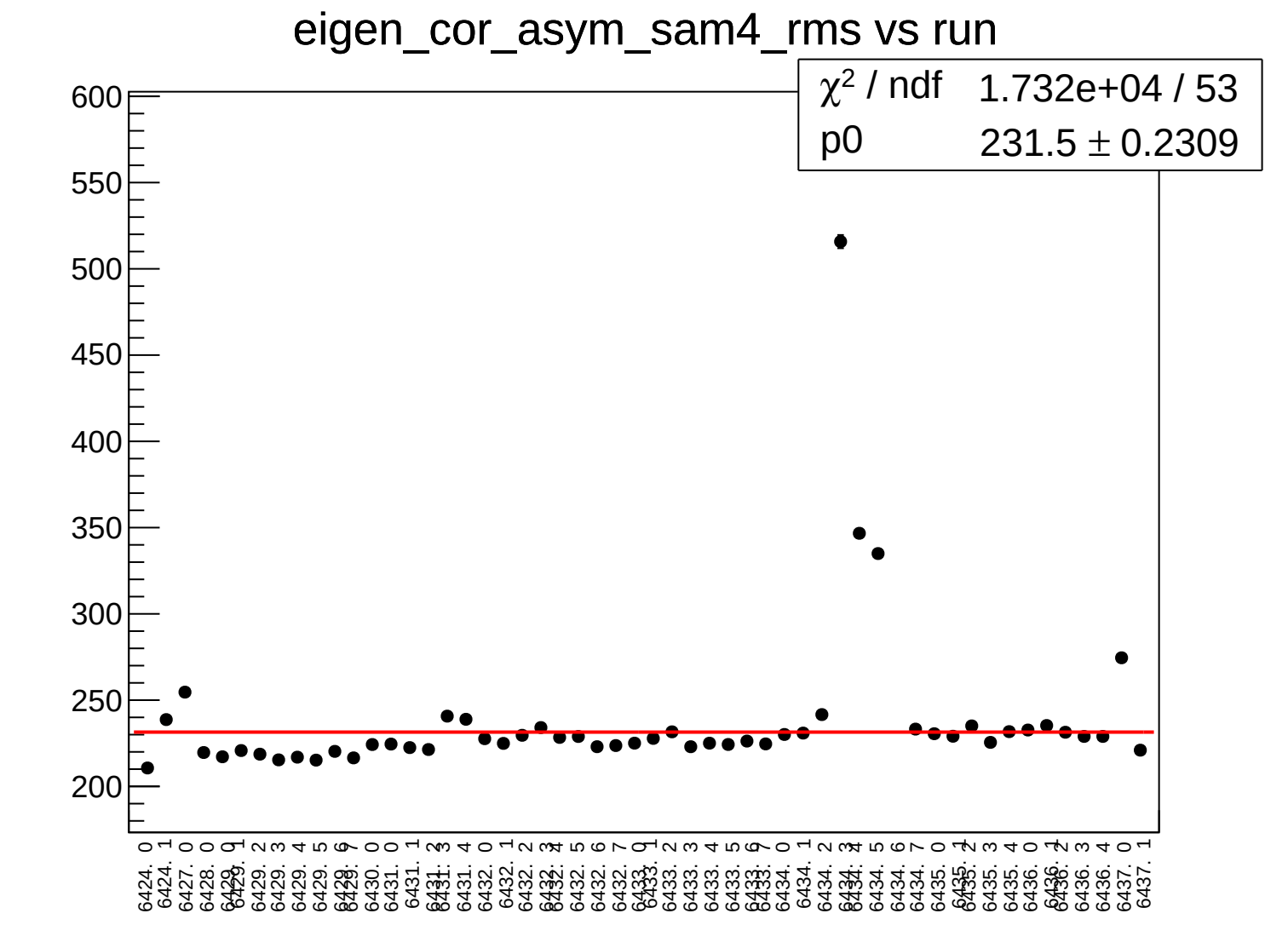

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 69.43 / 53
p0 −251.4 ± 3371
150
100
50
0
−50
pull
Entries 54
Mean 85.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01911
Std Dev 1.134
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 6407 / 53
p0 2403 ± 2.383
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam4_mean vs run
χ² / ndf 60.3 / 53
p0 −264.8 ± 326.5
pull
Entries 54
Mean 90.16
Std Dev 0


pull1D
Entries 54
Mean −0.02722
Std Dev 1.056


eigen_cor_asym_sam4_rms vs run
χ^2 / ndf 1.732e+04 / 53
p0 231.5 ± 0.2309
600
550
500
450
400
350
300
250
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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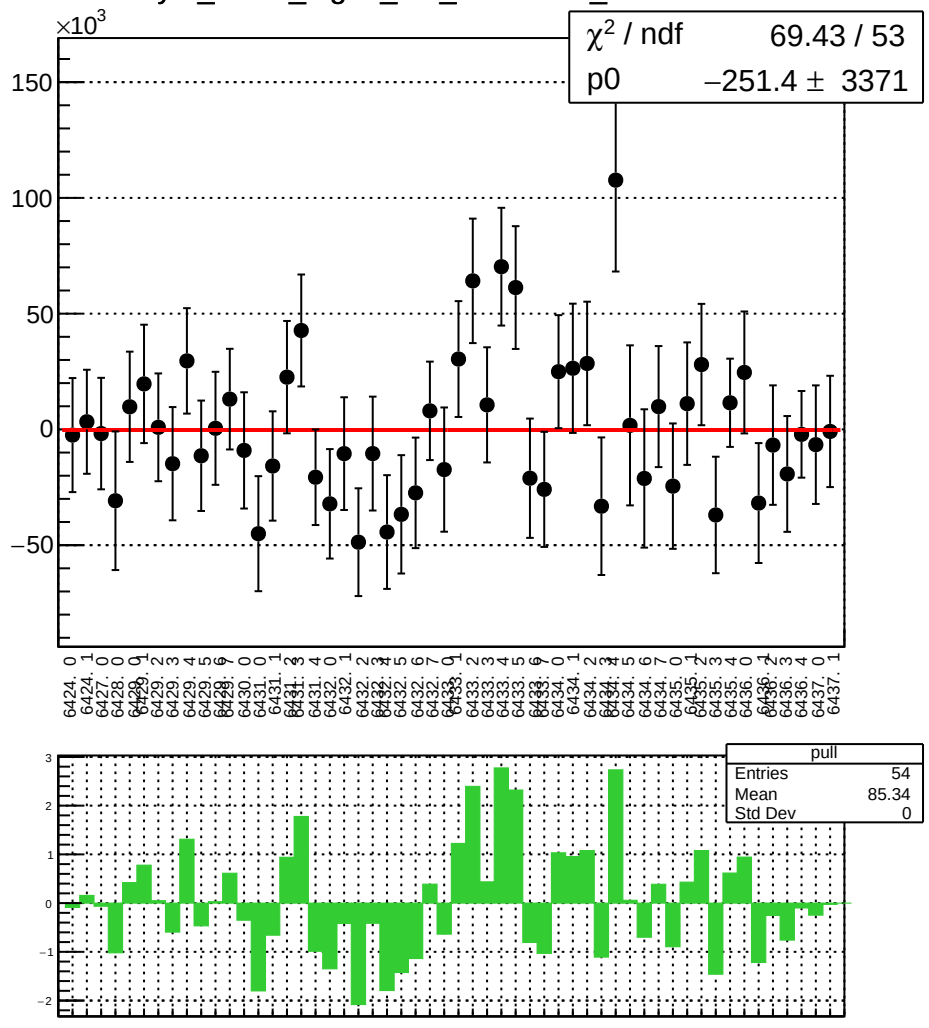
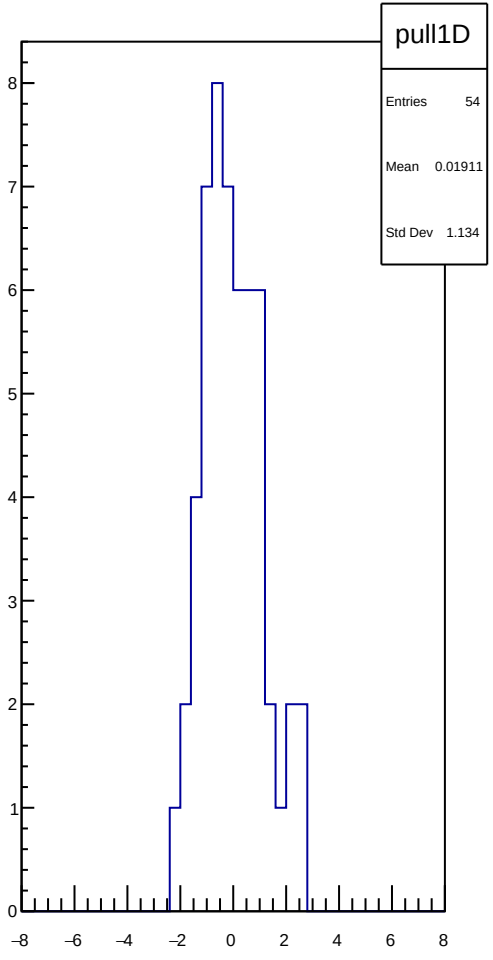
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 69.43 / 53
p0 −251.4 ± 3371
150
100
50
0
−50
pull
Entries 54
Mean 85.34
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01911
Std Dev 1.134
8
7
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5
4
3
2
1
0
−8
−6
−4
−2
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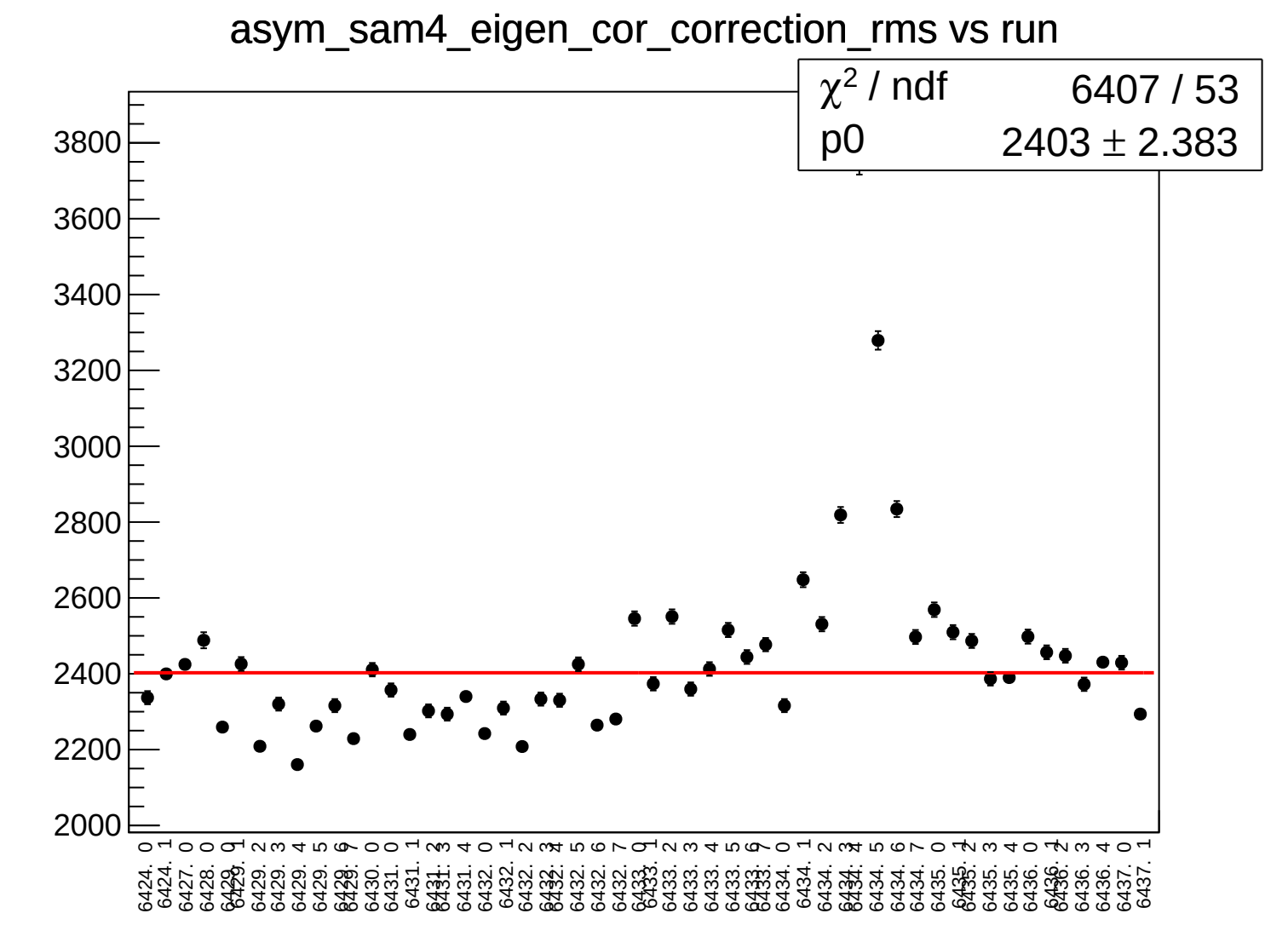
2
4
6
8


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 6407 / 53
p0 2403 ± 2.383
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
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6432. 5
6432. 6
6432. 7
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6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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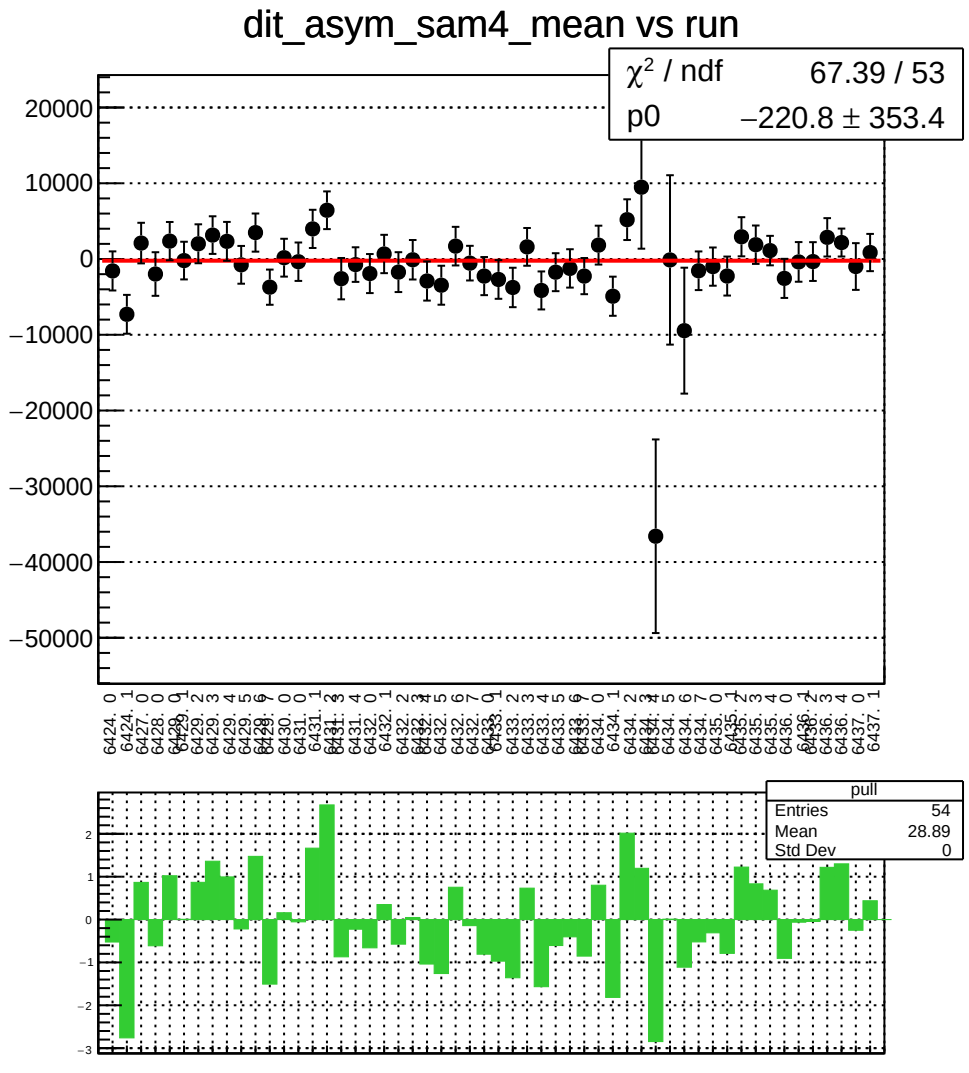
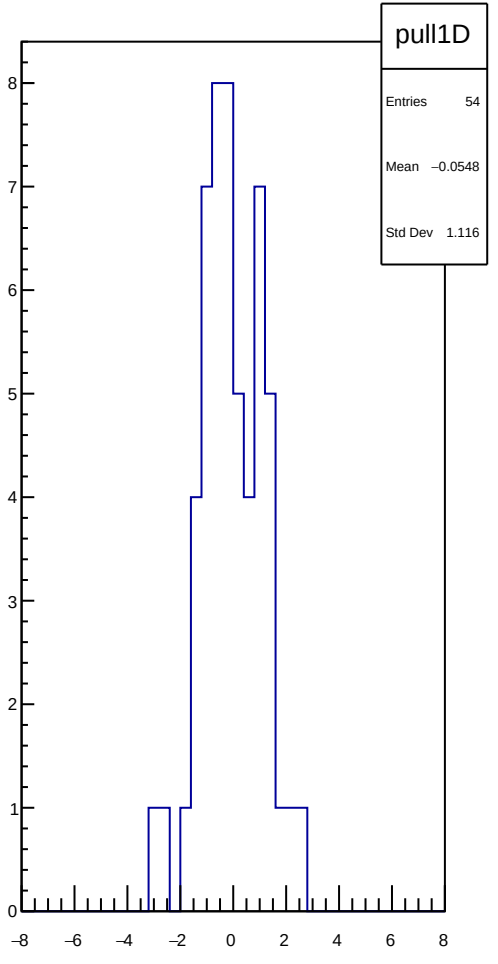
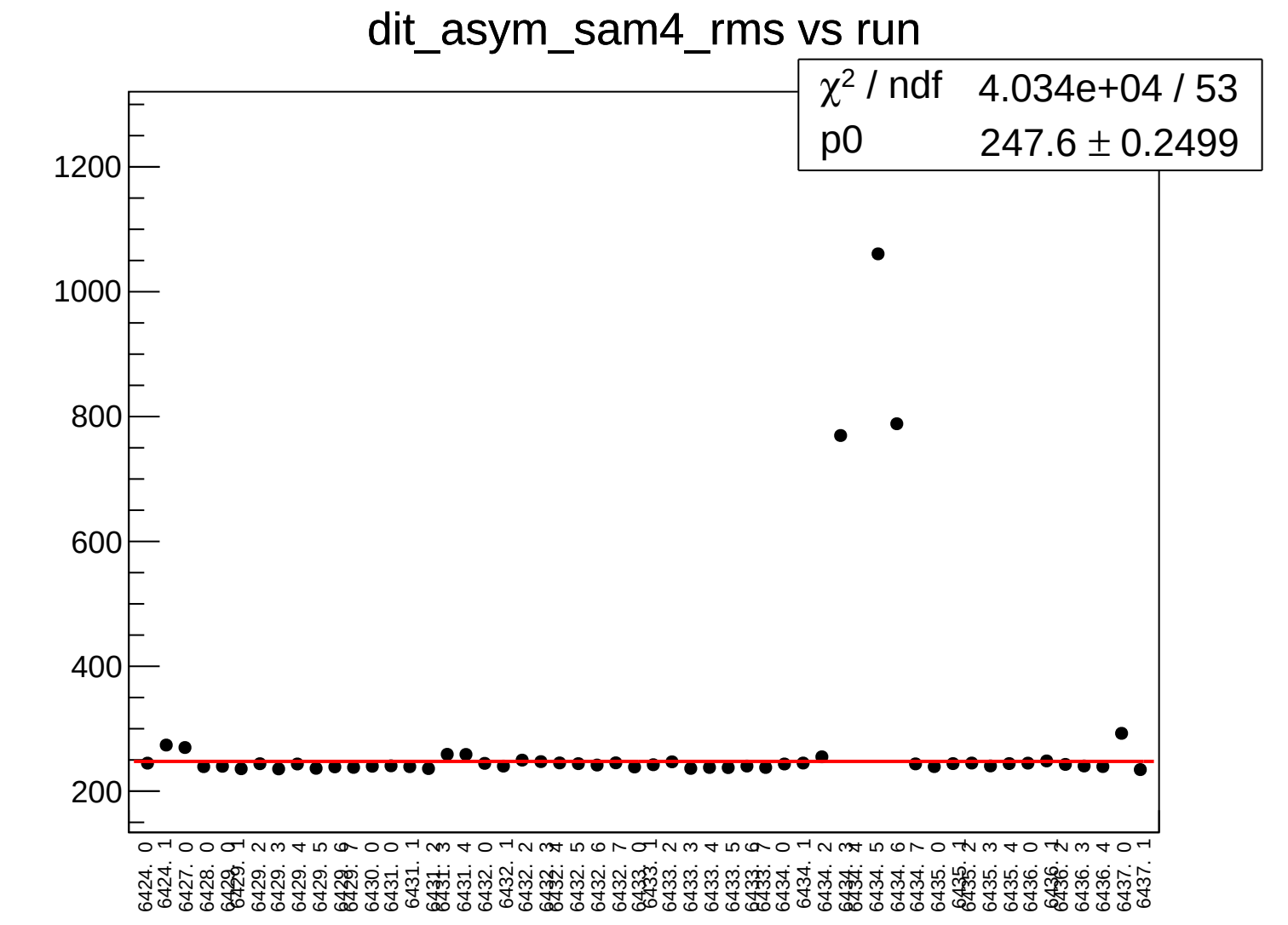
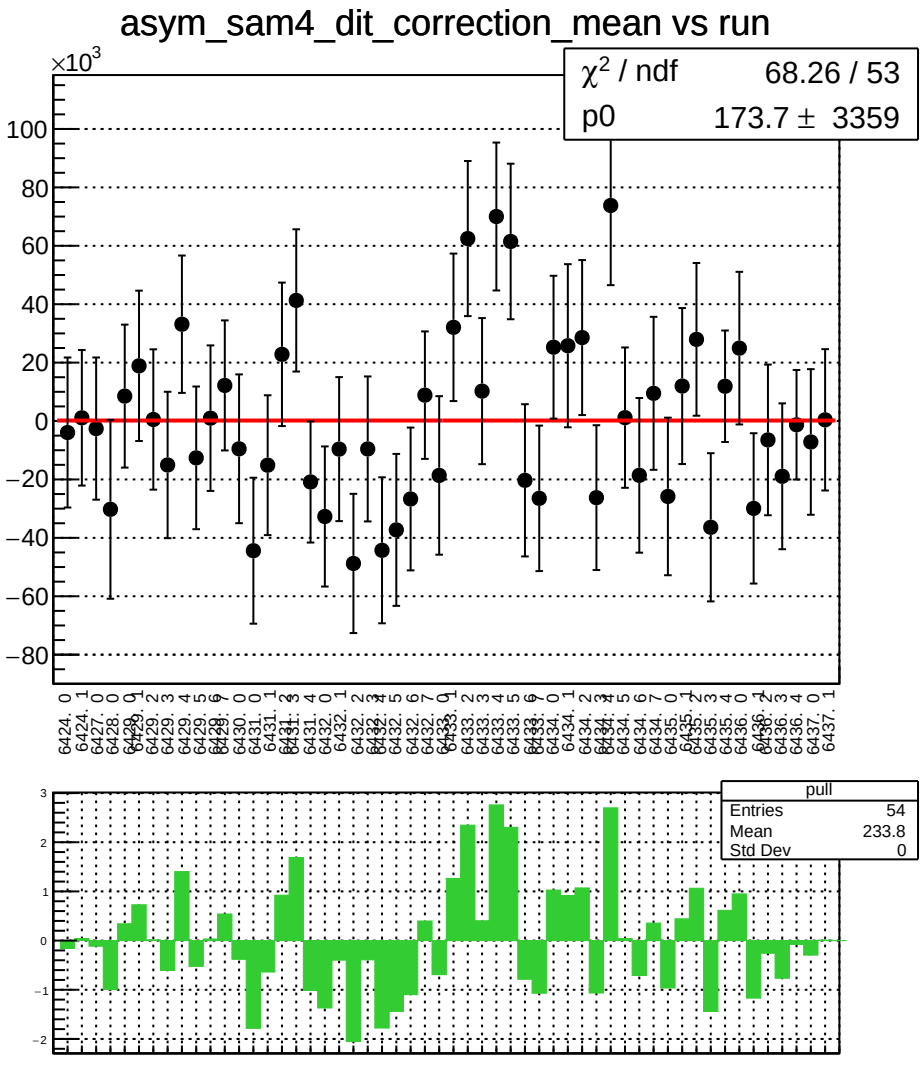
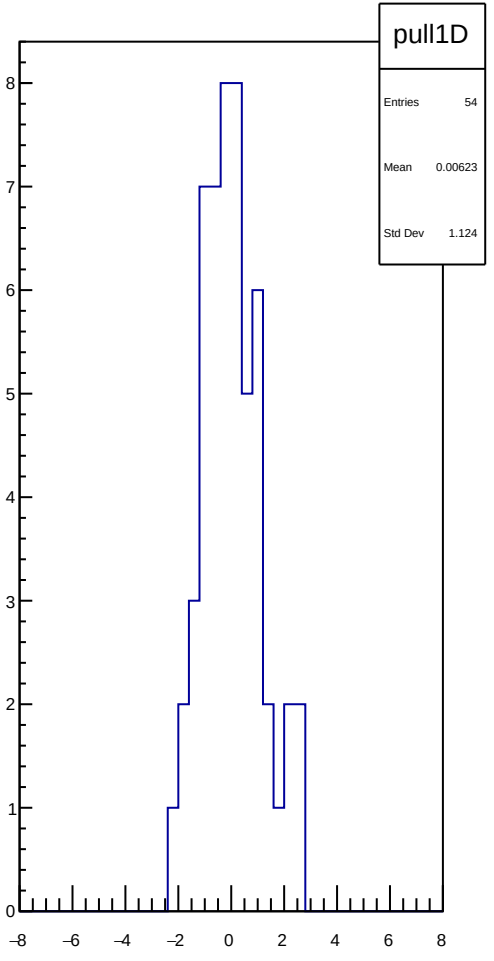
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

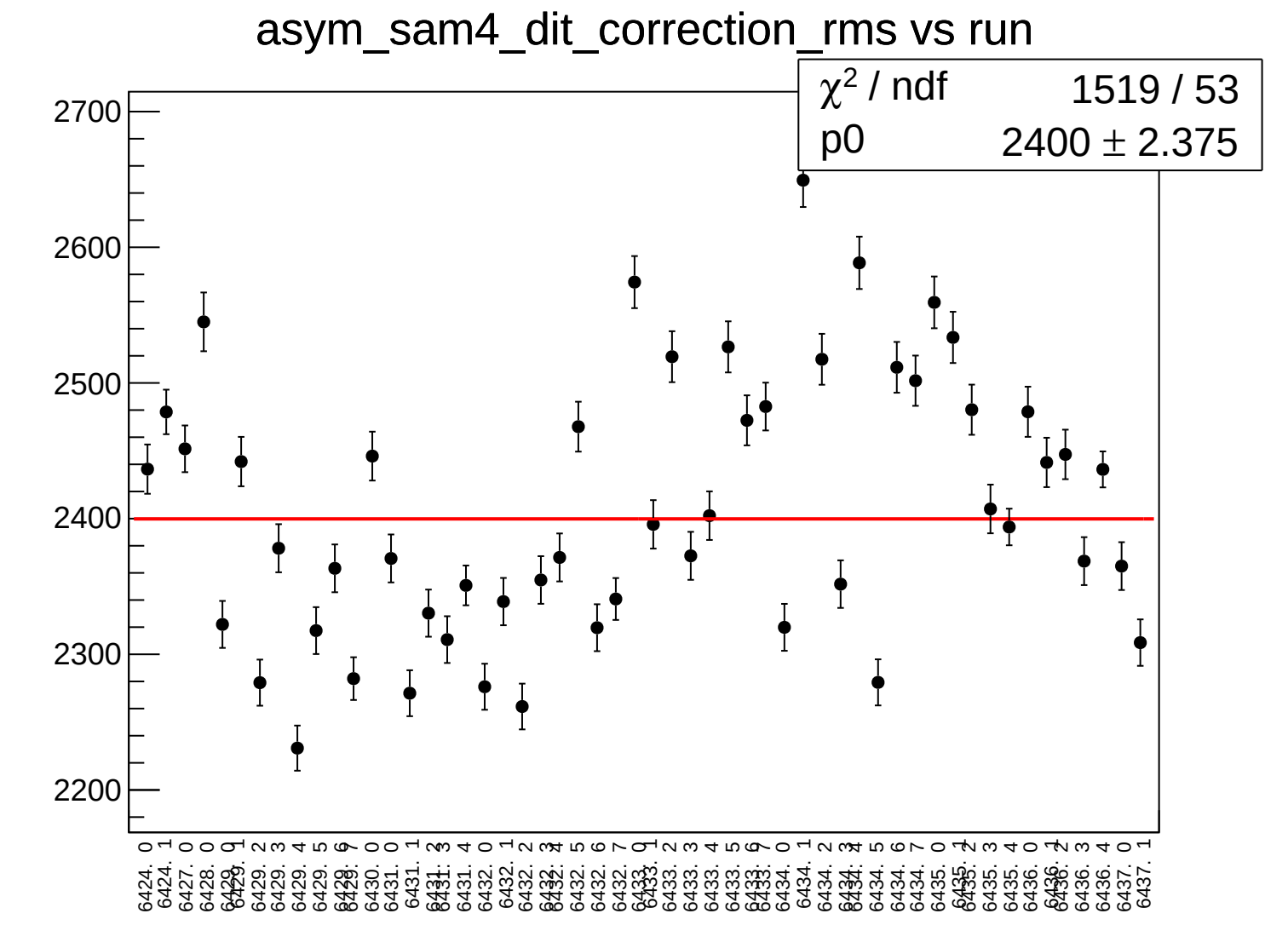

dit_asym_sam4_mean vs run
χ² / ndf 67.39 / 53
p0 −220.8 ± 353.4
pull
Entries 54
Mean 28.89
Std Dev 0


pull1D
Entries 54
Mean −0.0548
Std Dev 1.116


dit_asym_sam4_rms vs run
χ² / ndf 4.034e+04 / 53
p0 247.6 ± 0.2499
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 68.26 / 53
p0 173.7 ± 3359
pull
Entries 54
Mean 233.8
Std Dev 0


pull1D
Entries 54
Mean 0.00623
Std Dev 1.124


asym_sam4_dit_correction_rms vs run
χ² / ndf 1519 / 53
p0 2400 ± 2.375
2700
2600
2500
2400
2300
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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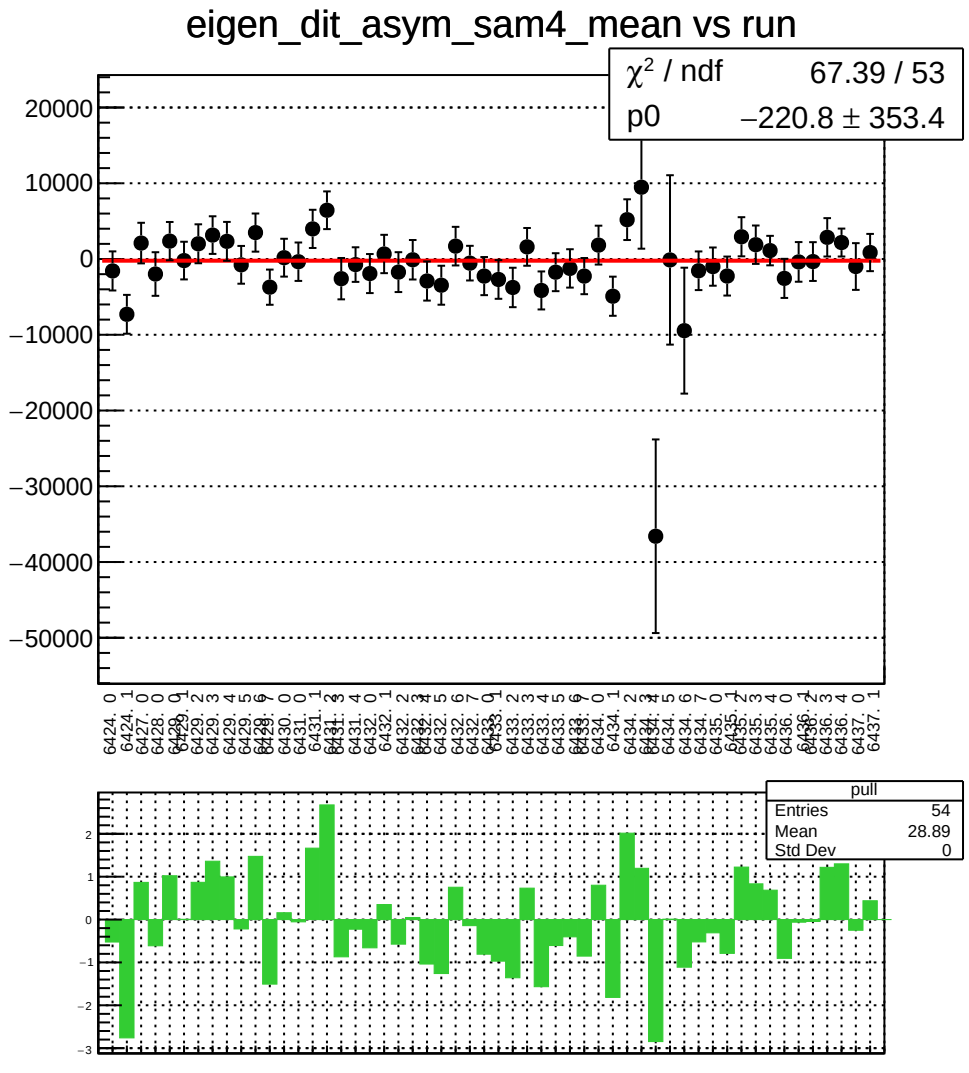
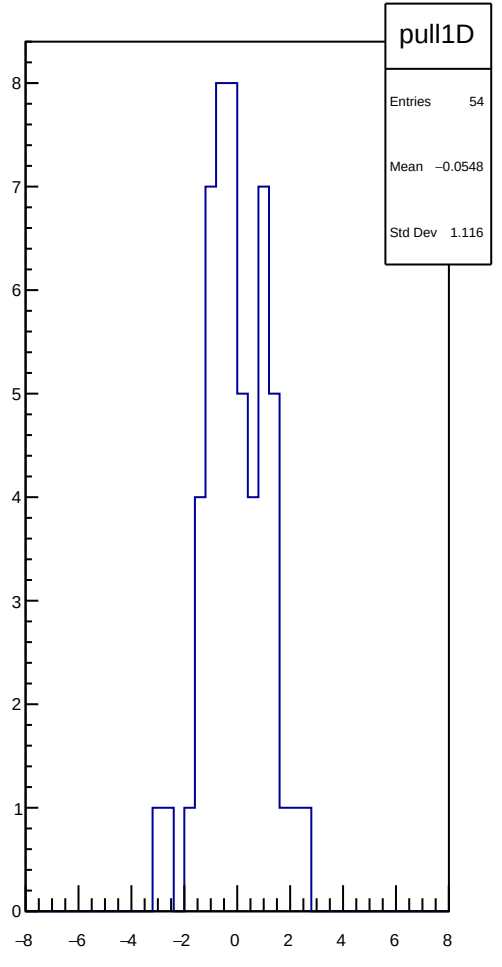
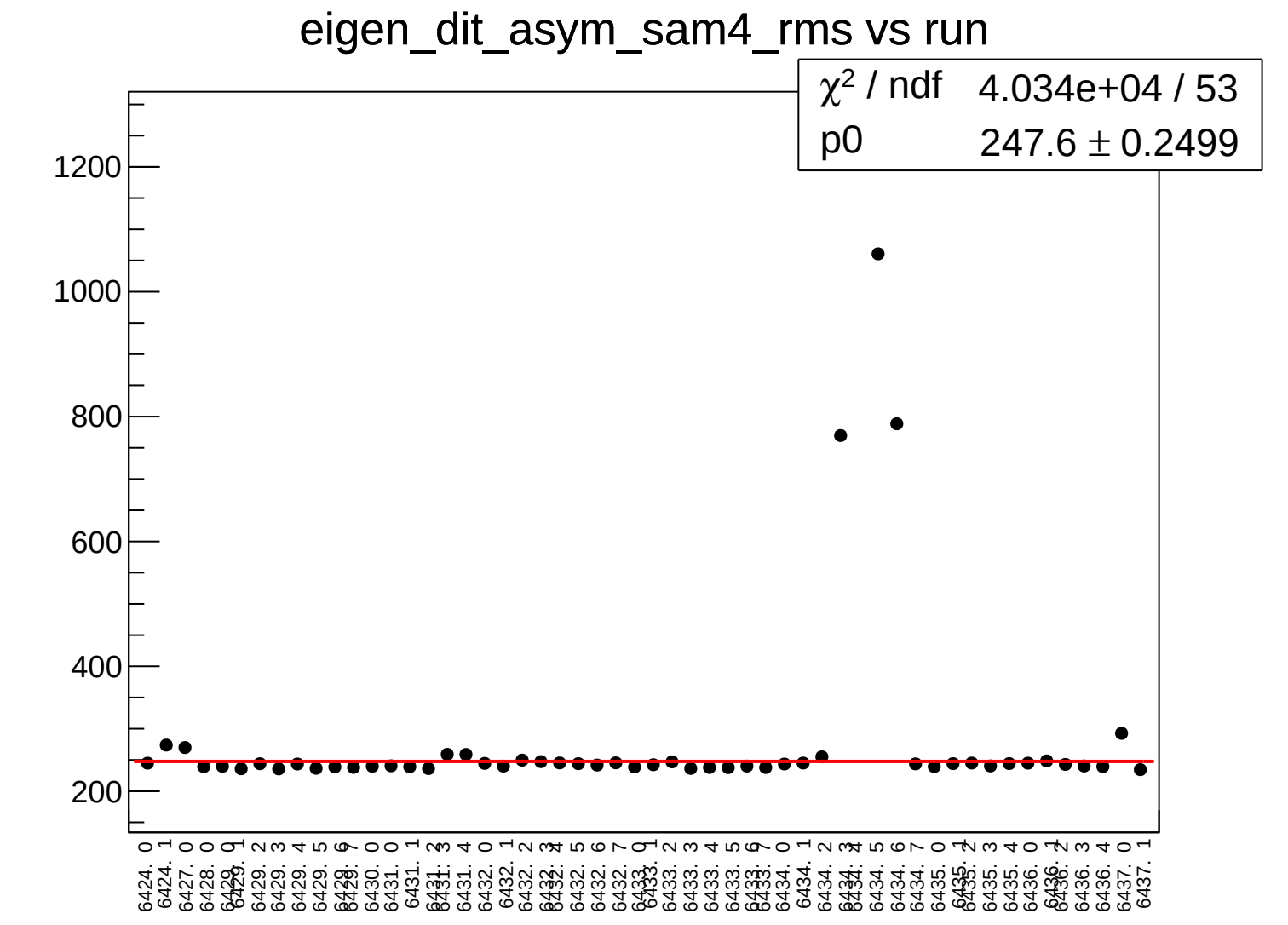
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam4_mean vs run
χ² / ndf 67.39 / 53
p0 −220.8 ± 353.4
pull
Entries 54
Mean 28.89
Std Dev 0


pull1D
Entries 54
Mean −0.0548
Std Dev 1.116


eigen_dit_asym_sam4_rms vs run
χ² / ndf 4.034e+04 / 53
p0 247.6 ± 0.2499
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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6435. 3
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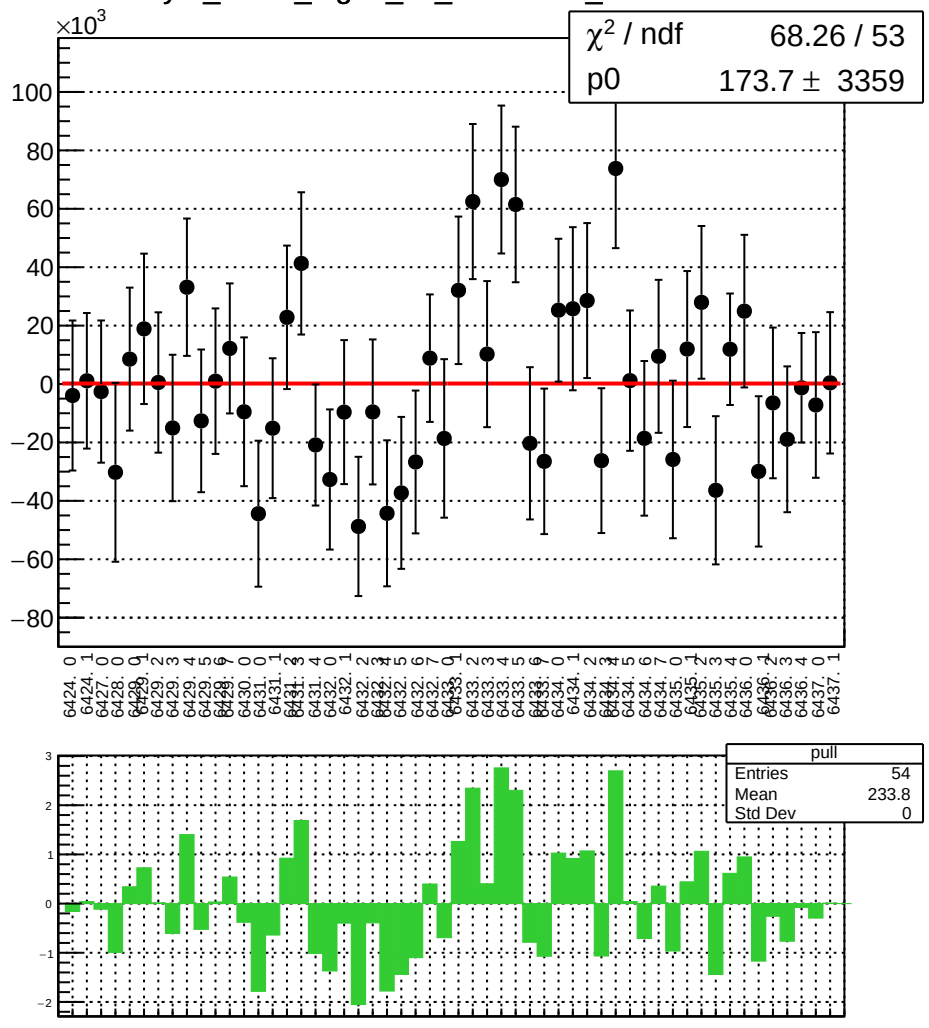
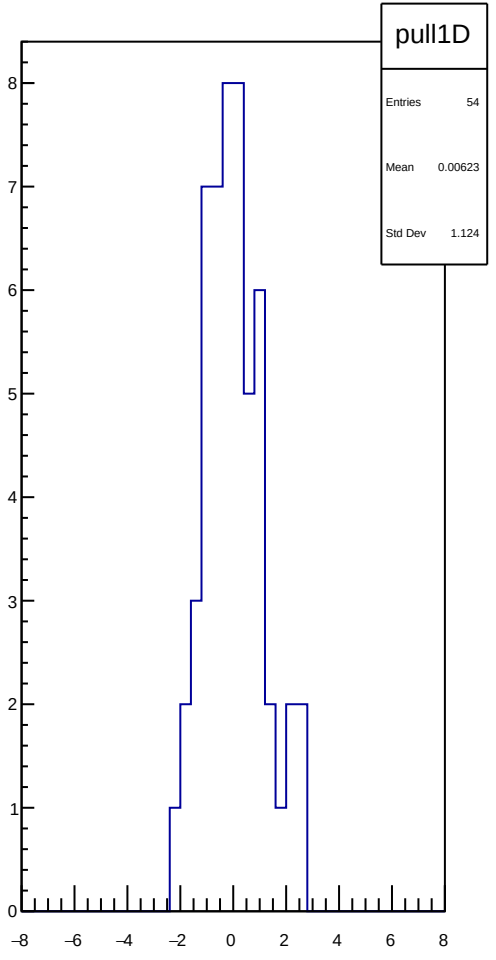
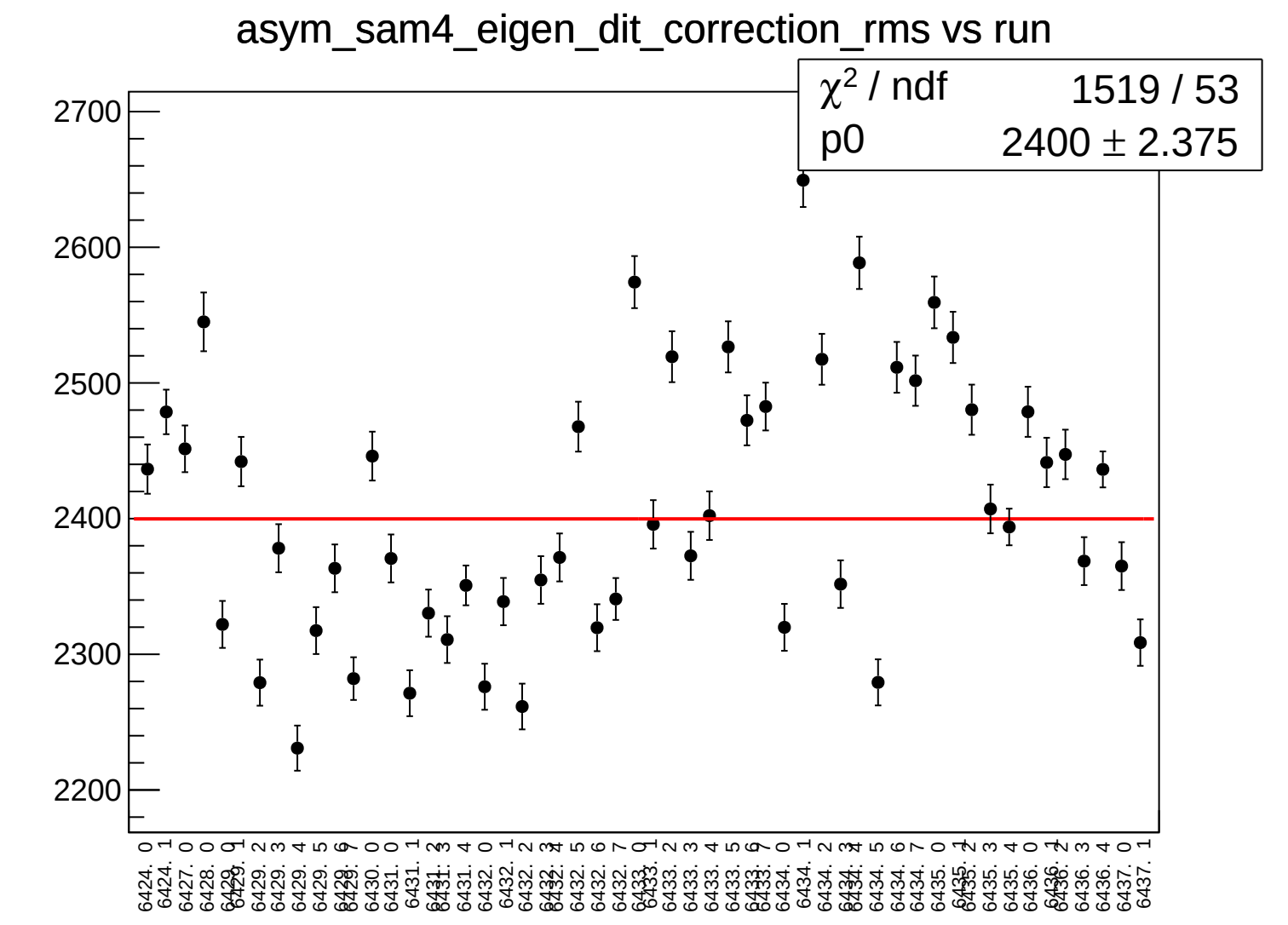
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.26 / 53
p0 173.7 ± 3359
pull
Entries 54
Mean 233.8
Std Dev 0


pull1D
Entries 54
Mean 0.00623
Std Dev 1.124


asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1519 / 53
p0 2400 ± 2.375
2700
2600
2500
2400
2300
2200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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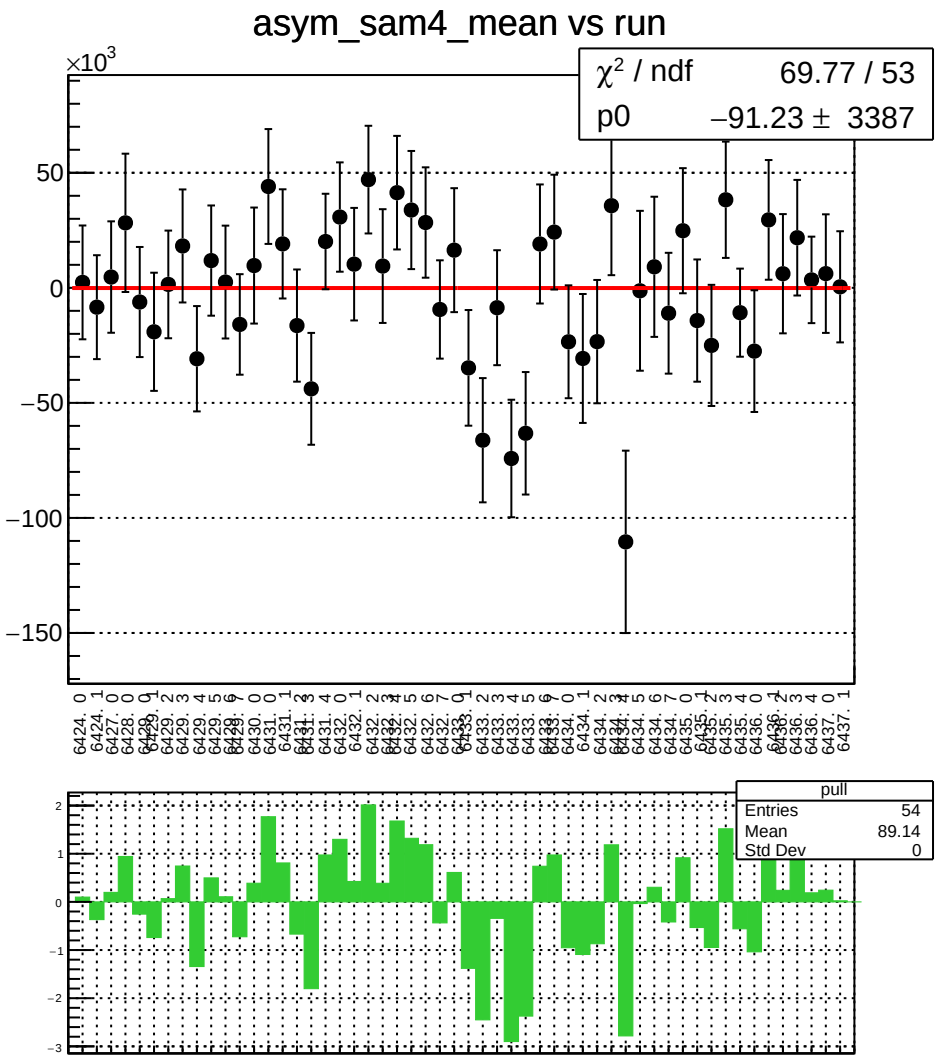
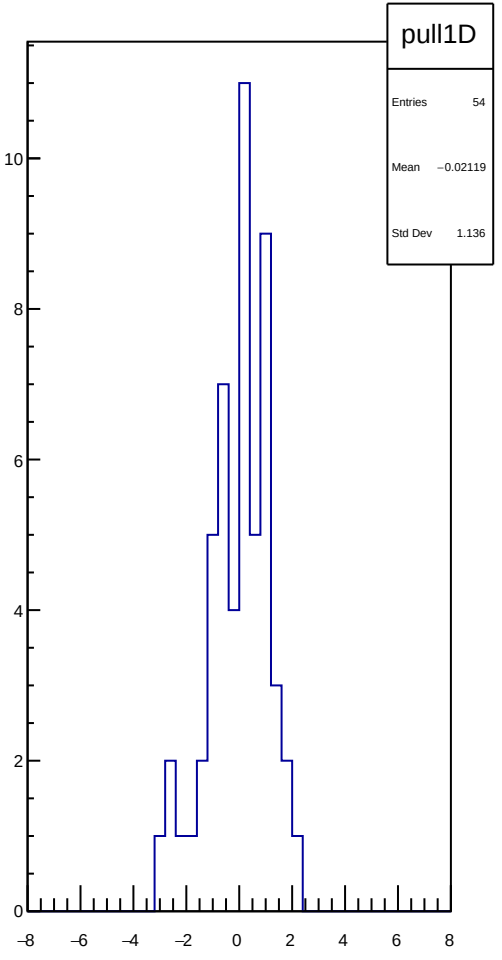
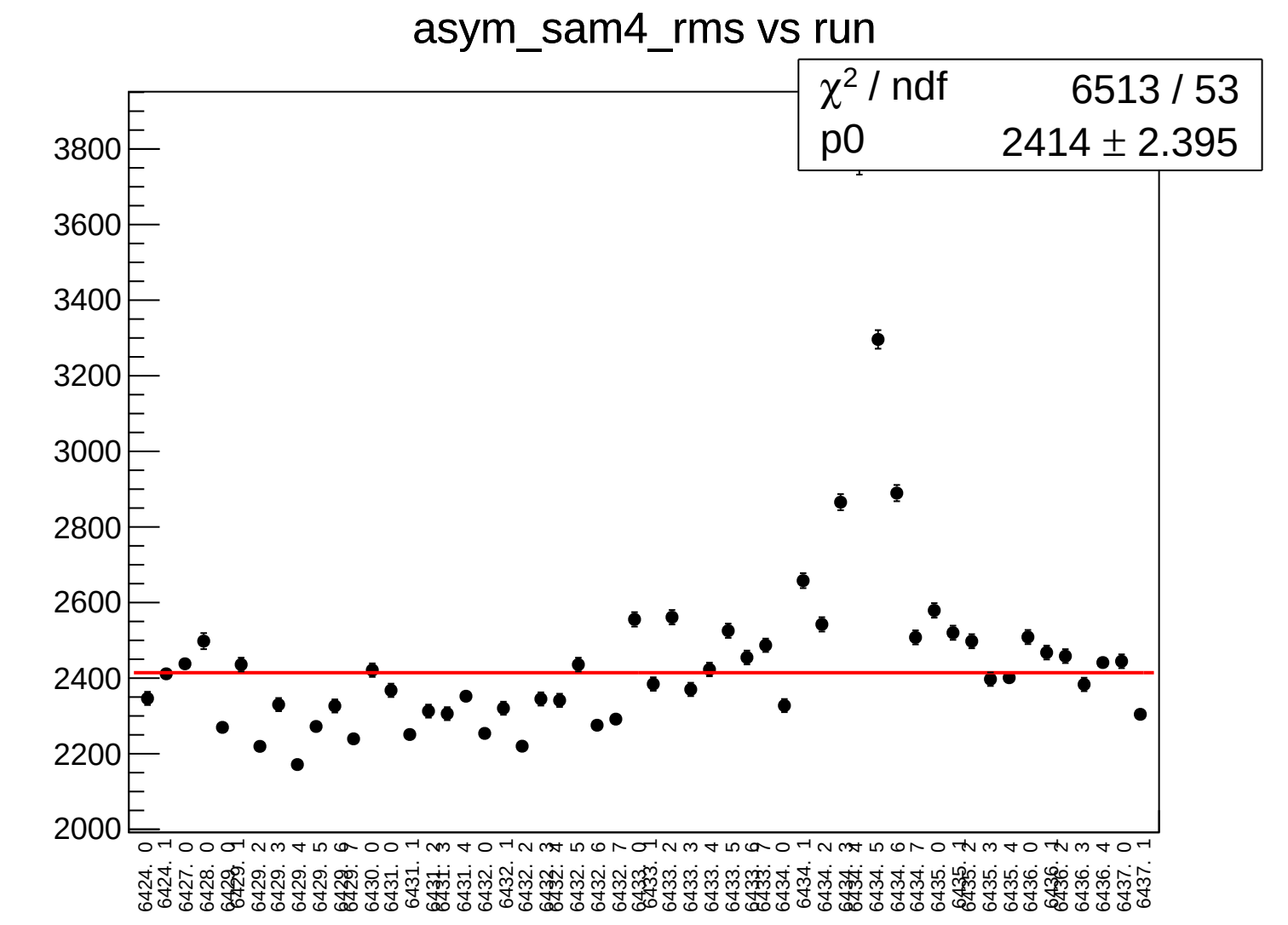
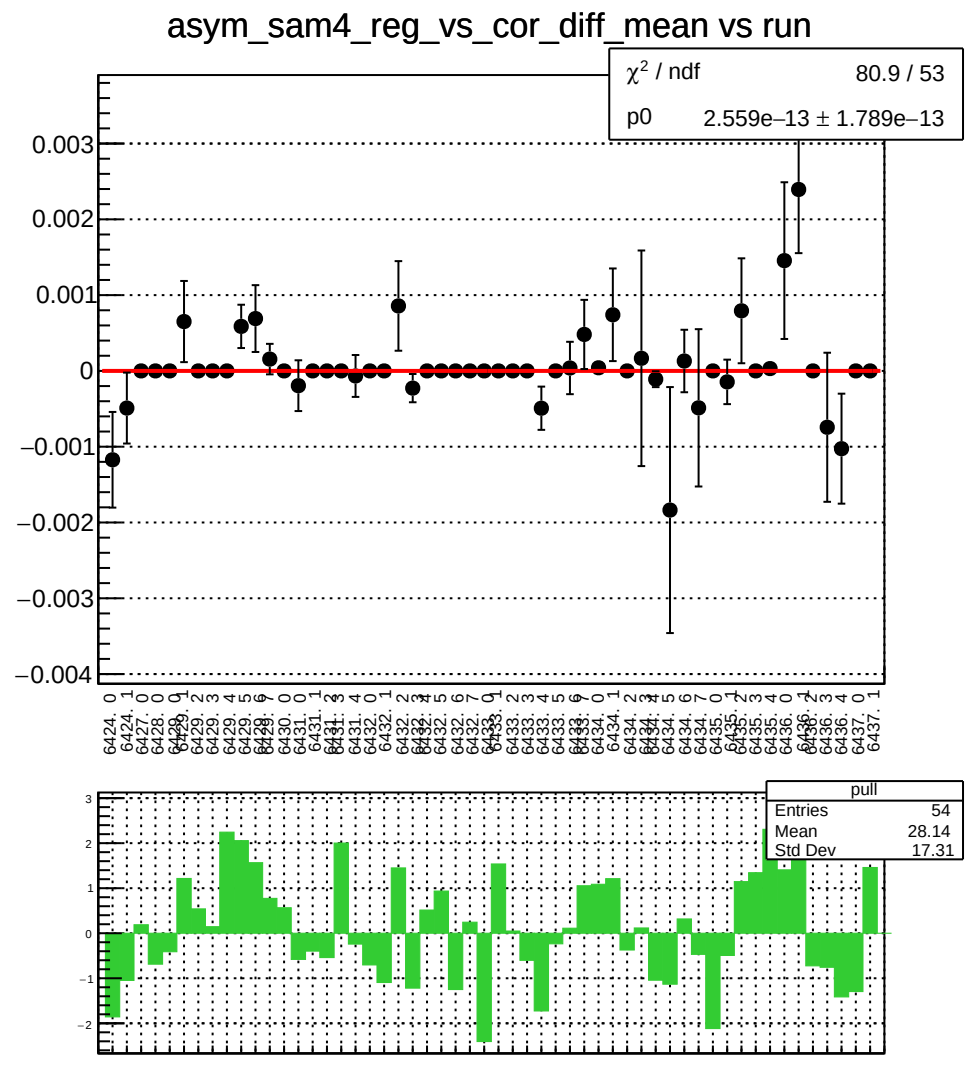
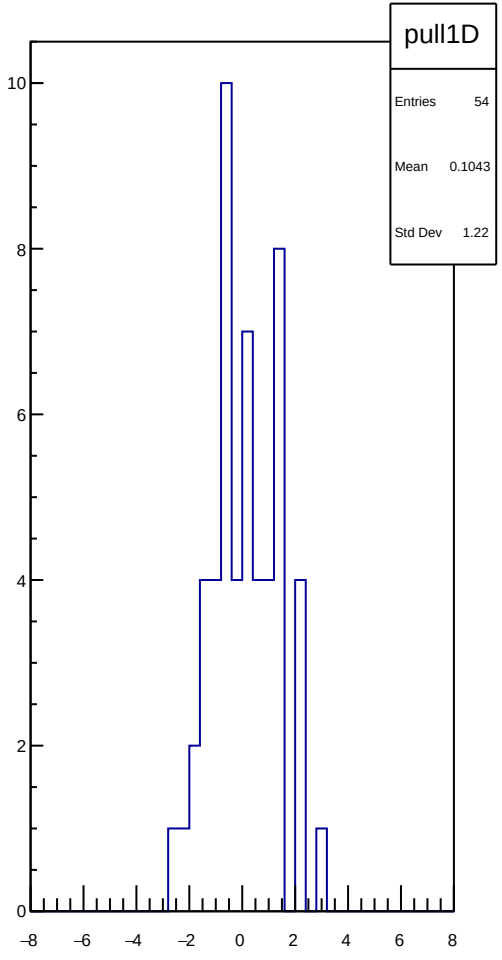
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

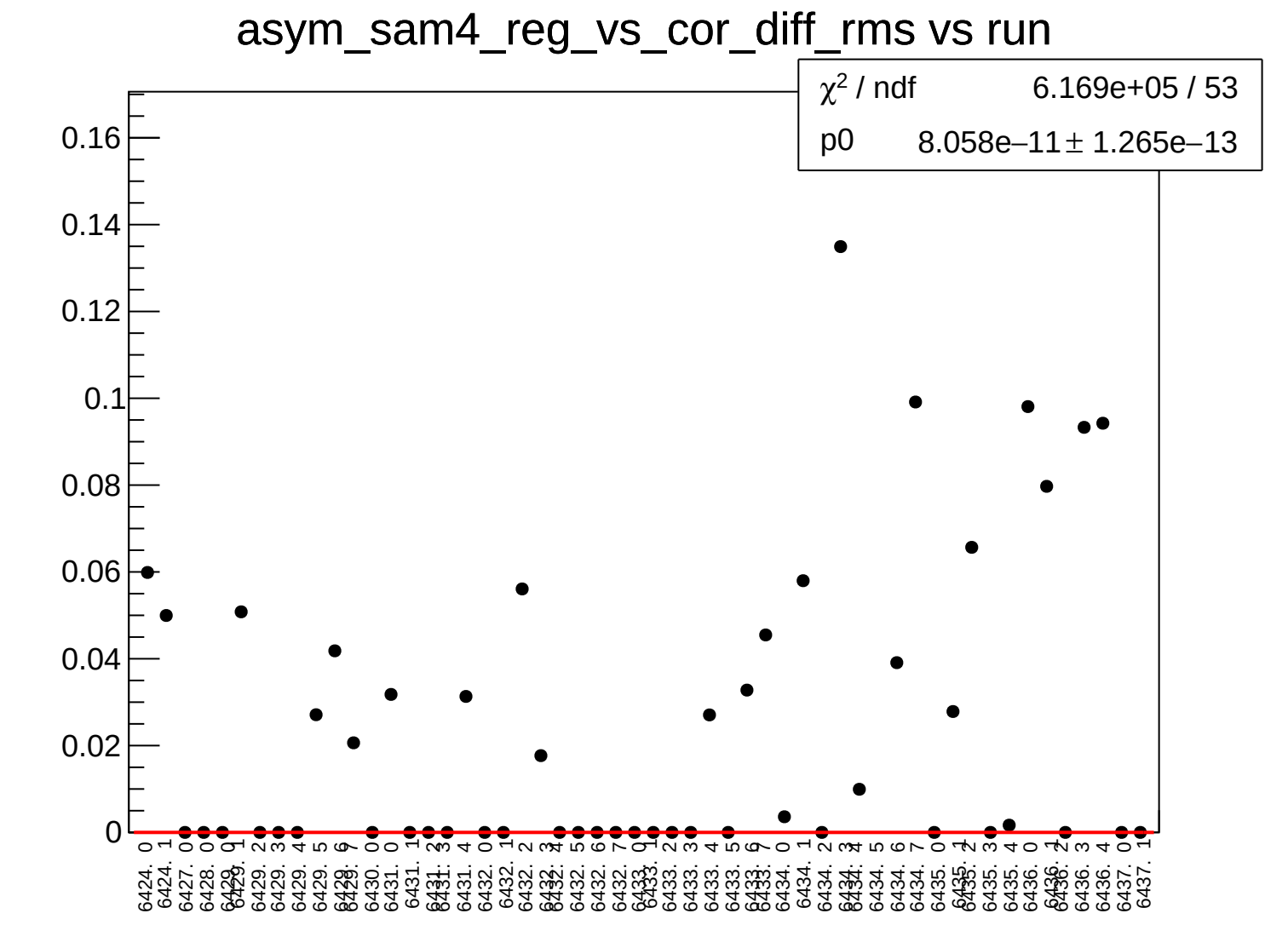

asym_sam4_mean vs run
×10^3
χ² / ndf 69.77 / 53
p0 −91.23 ± 3387
50
0
−50
−100
−150
pull
Entries 54
Mean 89.14
Std Dev 0
2
1
0
−1
−2
−3

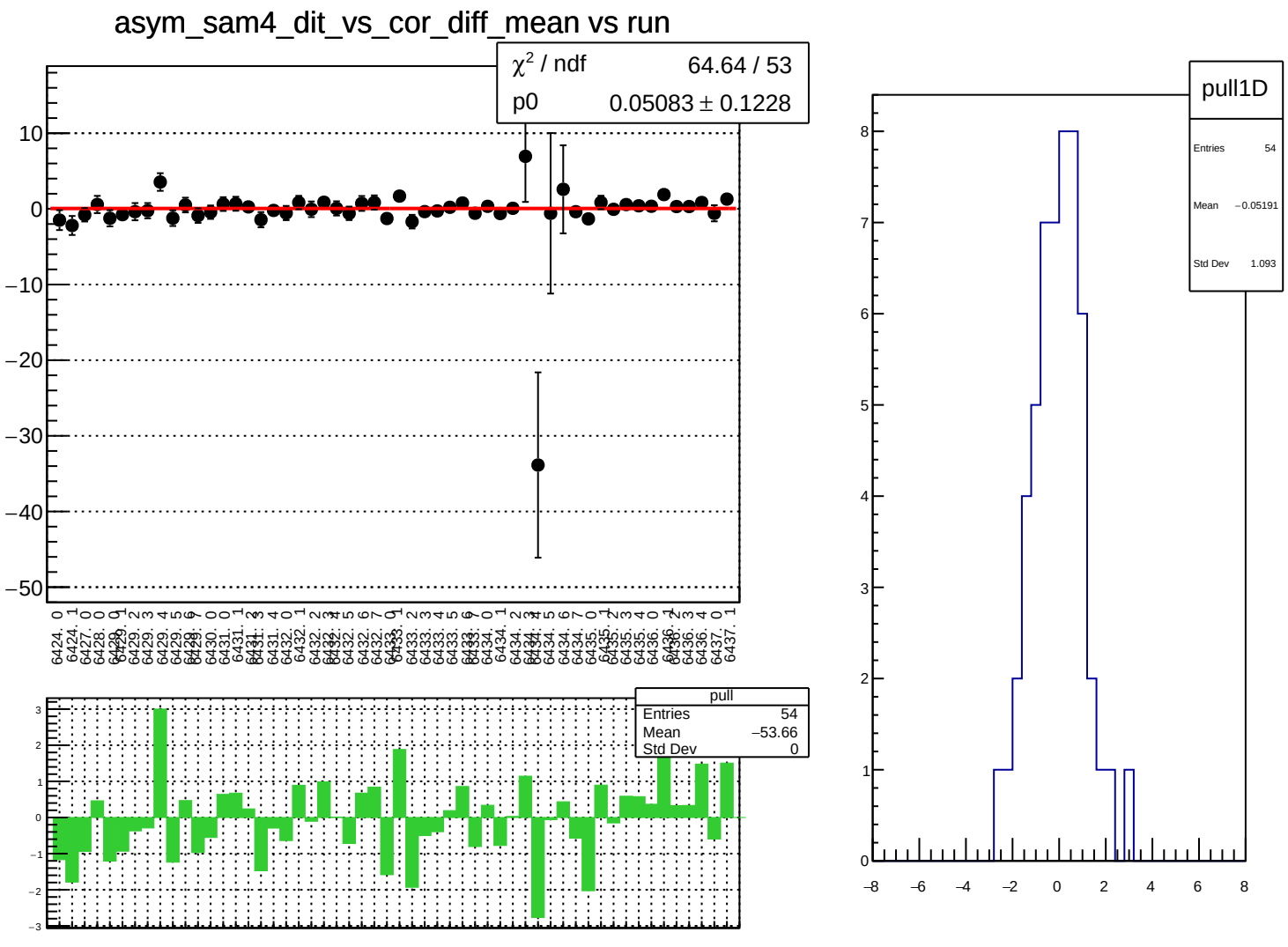

pull1D
Entries 54
Mean −0.02119
Std Dev 1.136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

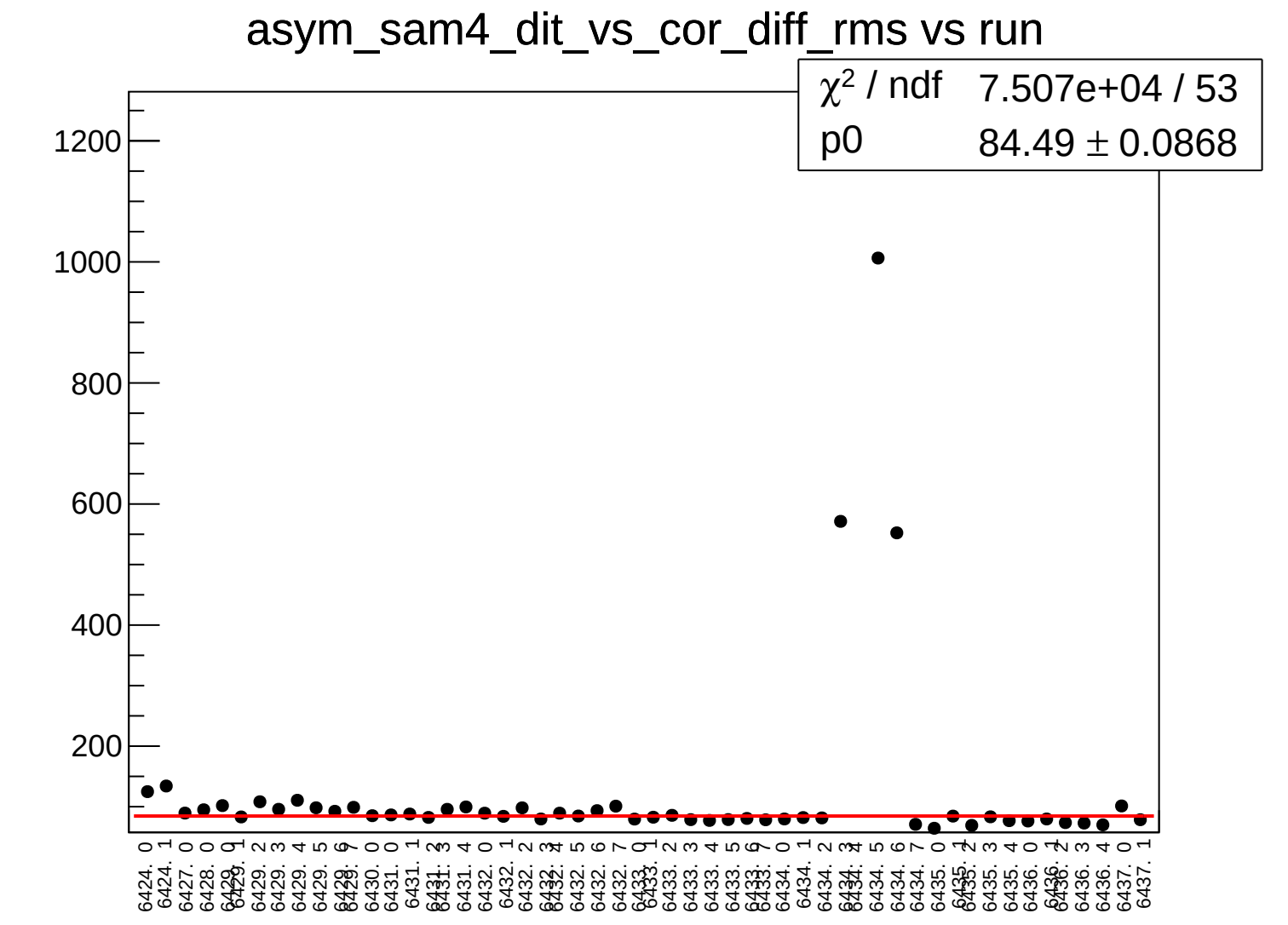

asym_sam4_rms vs run
χ² / ndf 6513 / 53
p0 2414 ± 2.395
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

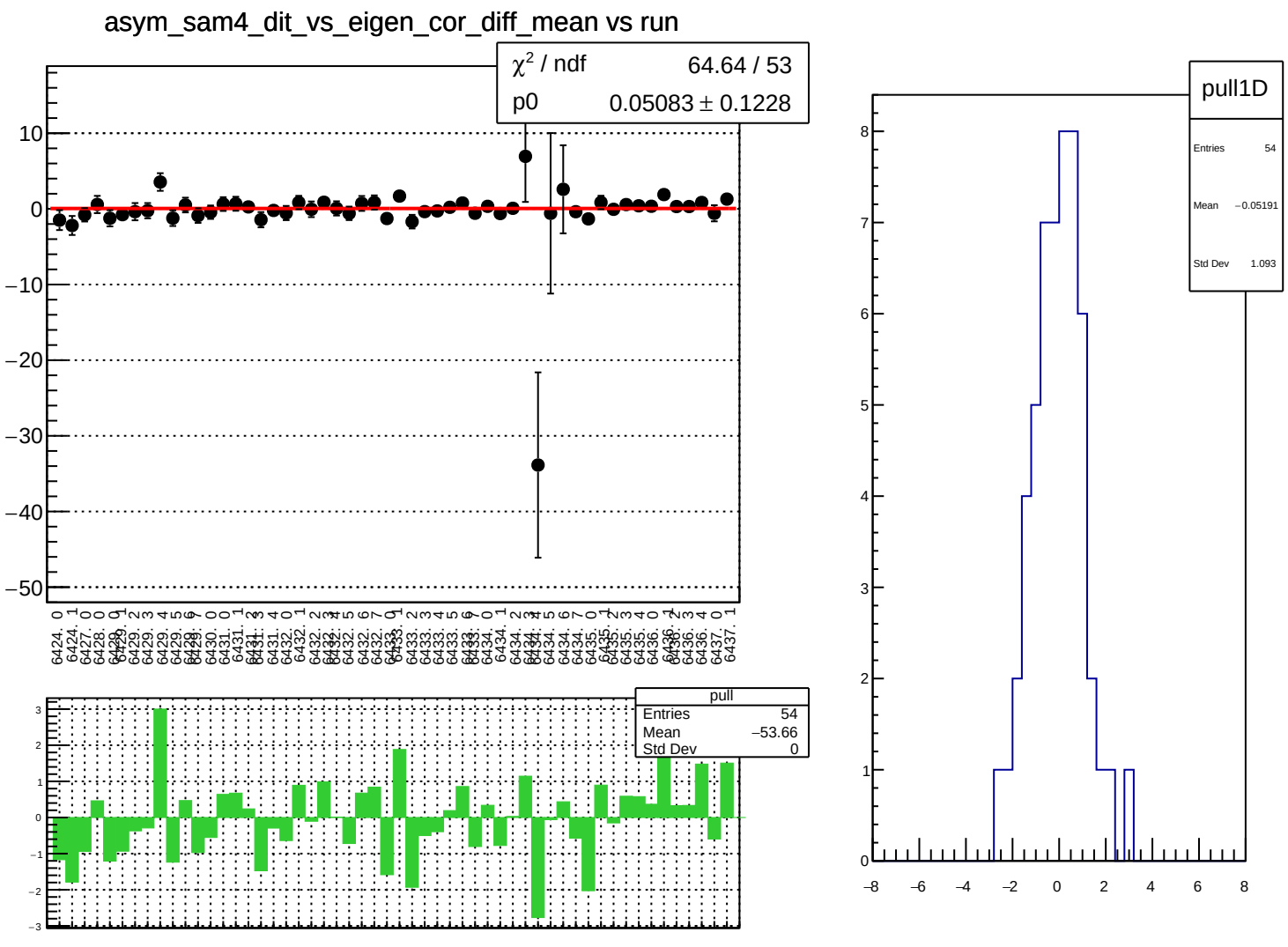

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 80.9 / 53
p0 2.559e−13 ± 1.789e−13
pull
Entries 54
Mean 28.14
Std Dev 17.31

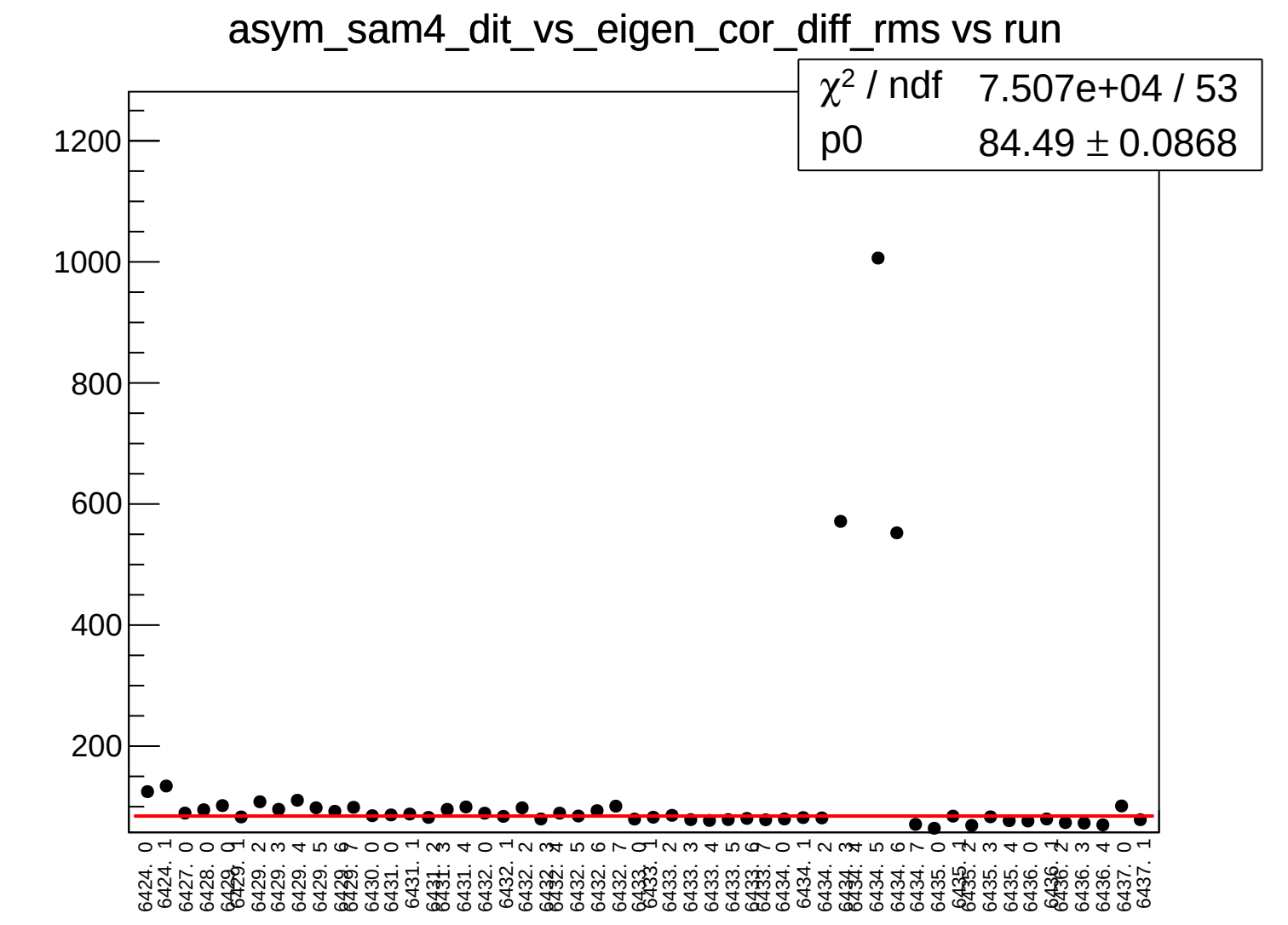

pull1D
Entries 54
Mean 0.1043
Std Dev 1.22

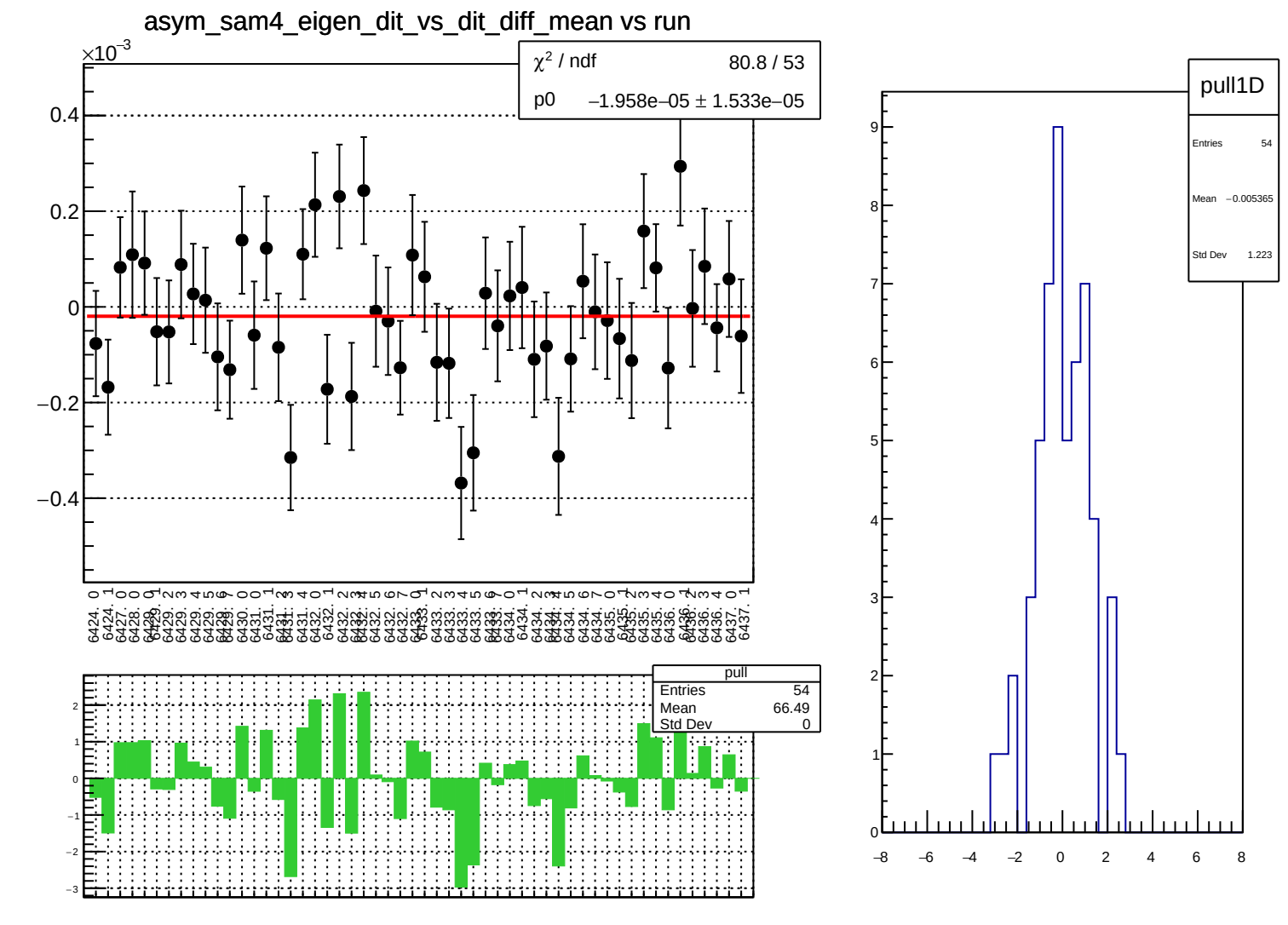

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 6.169e+05 / 53
p0 8.058e−11 ± 1.265e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

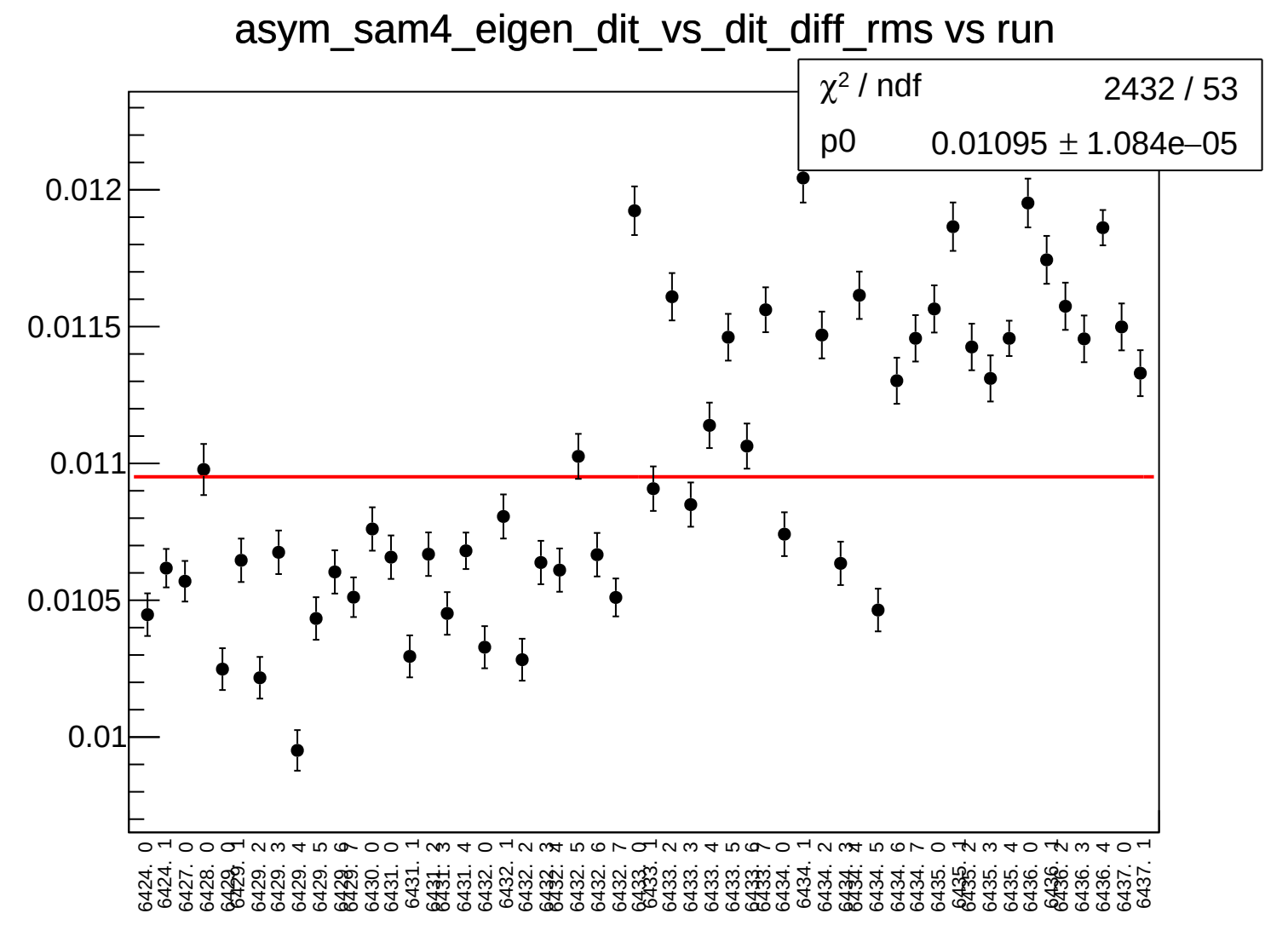

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 64.64 / 53
p0 0.05083 ± 0.1228
pull
Entries 54
Mean −53.66
Std Dev 0
pull1D
Entries 54
Mean −0.05191
Std Dev 1.093

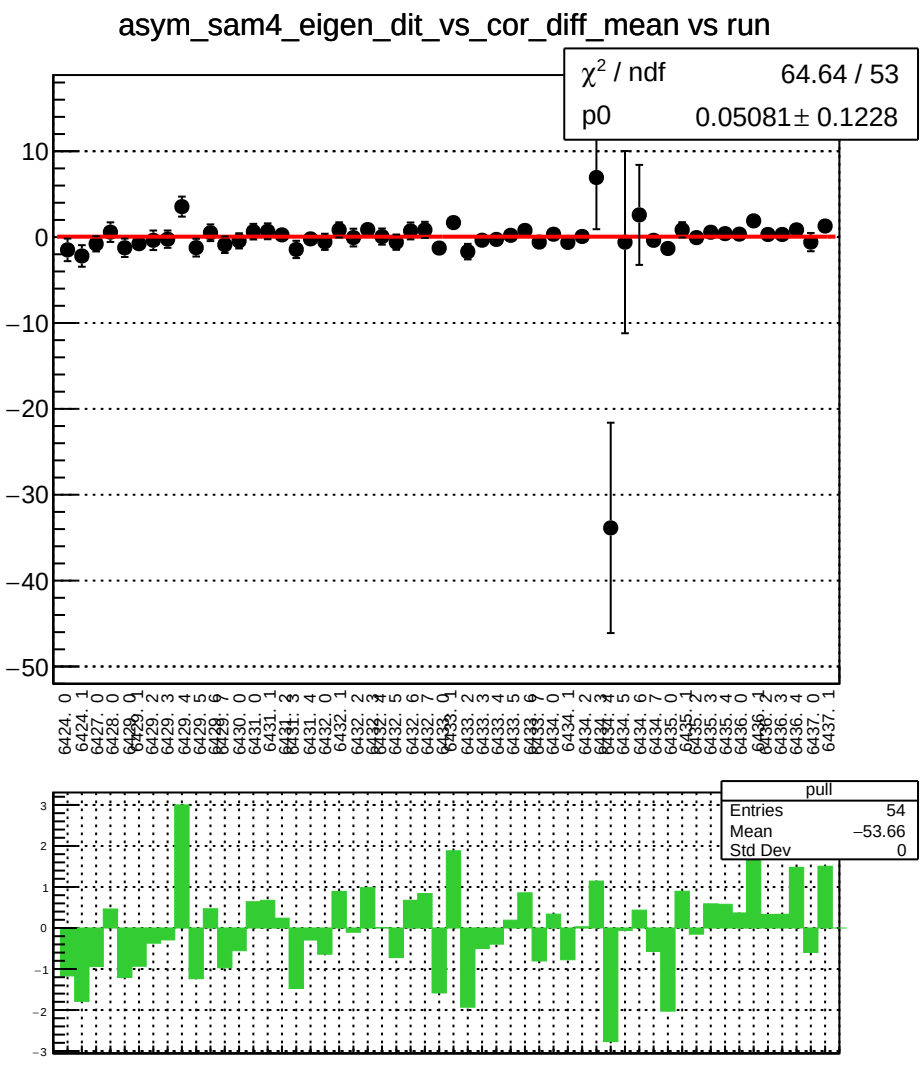

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 7.507e+04 / 53
p0 84.49 ± 0.0868
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

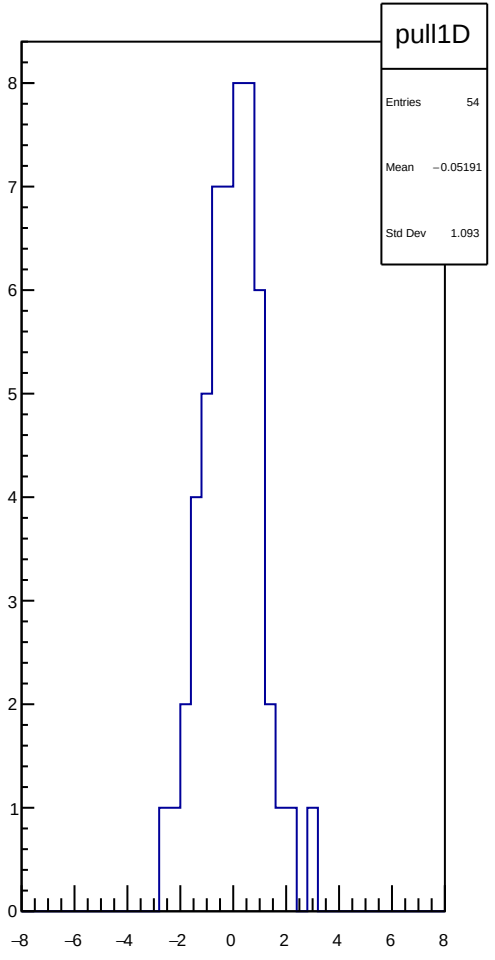

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.64 / 53
p0 0.05083 ± 0.1228
pull
Entries 54
Mean −53.66
Std Dev 0
pull1D
Entries 54
Mean −0.05191
Std Dev 1.093

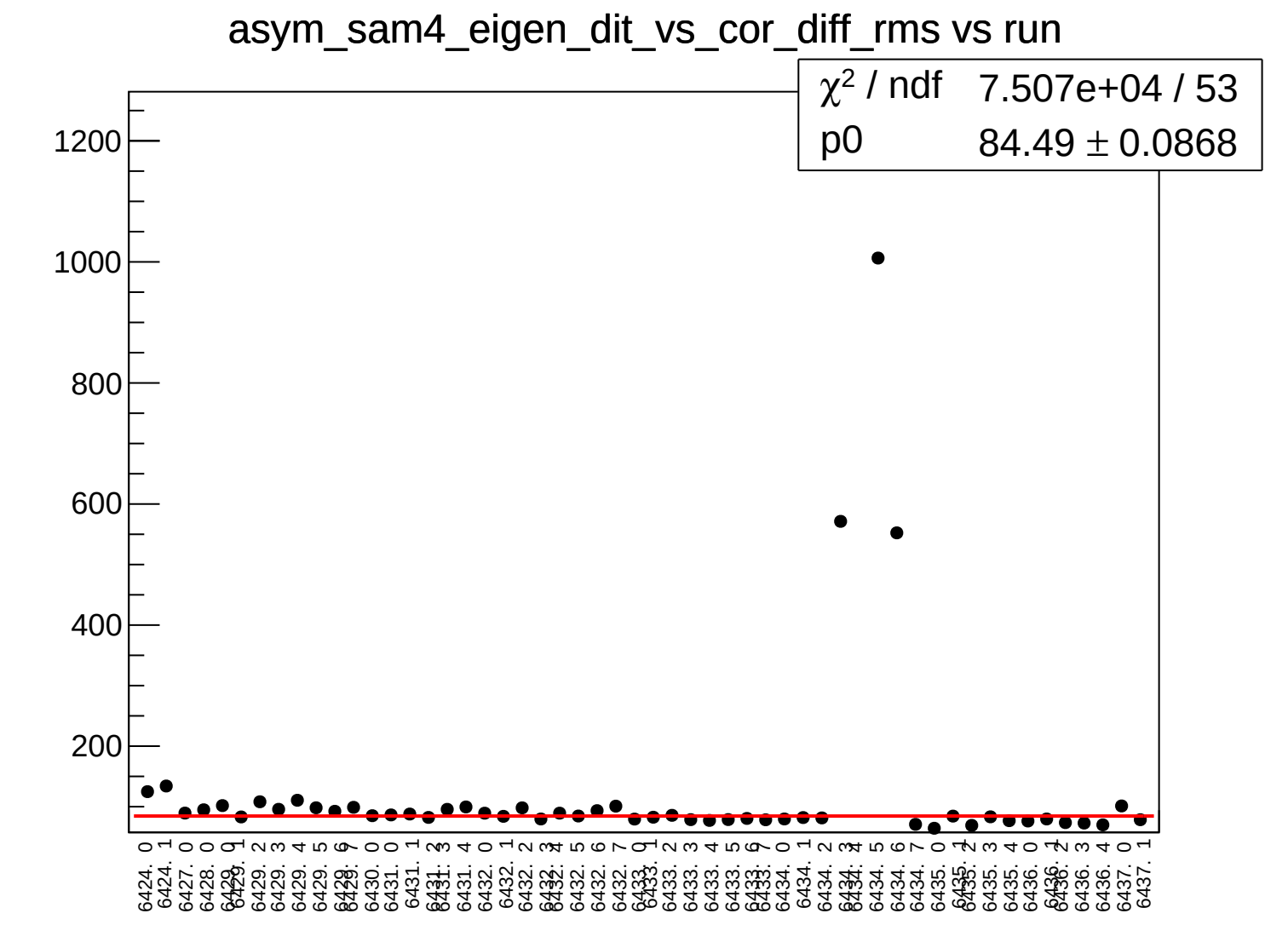

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.507e+04 / 53
p0 84.49 ± 0.0868
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

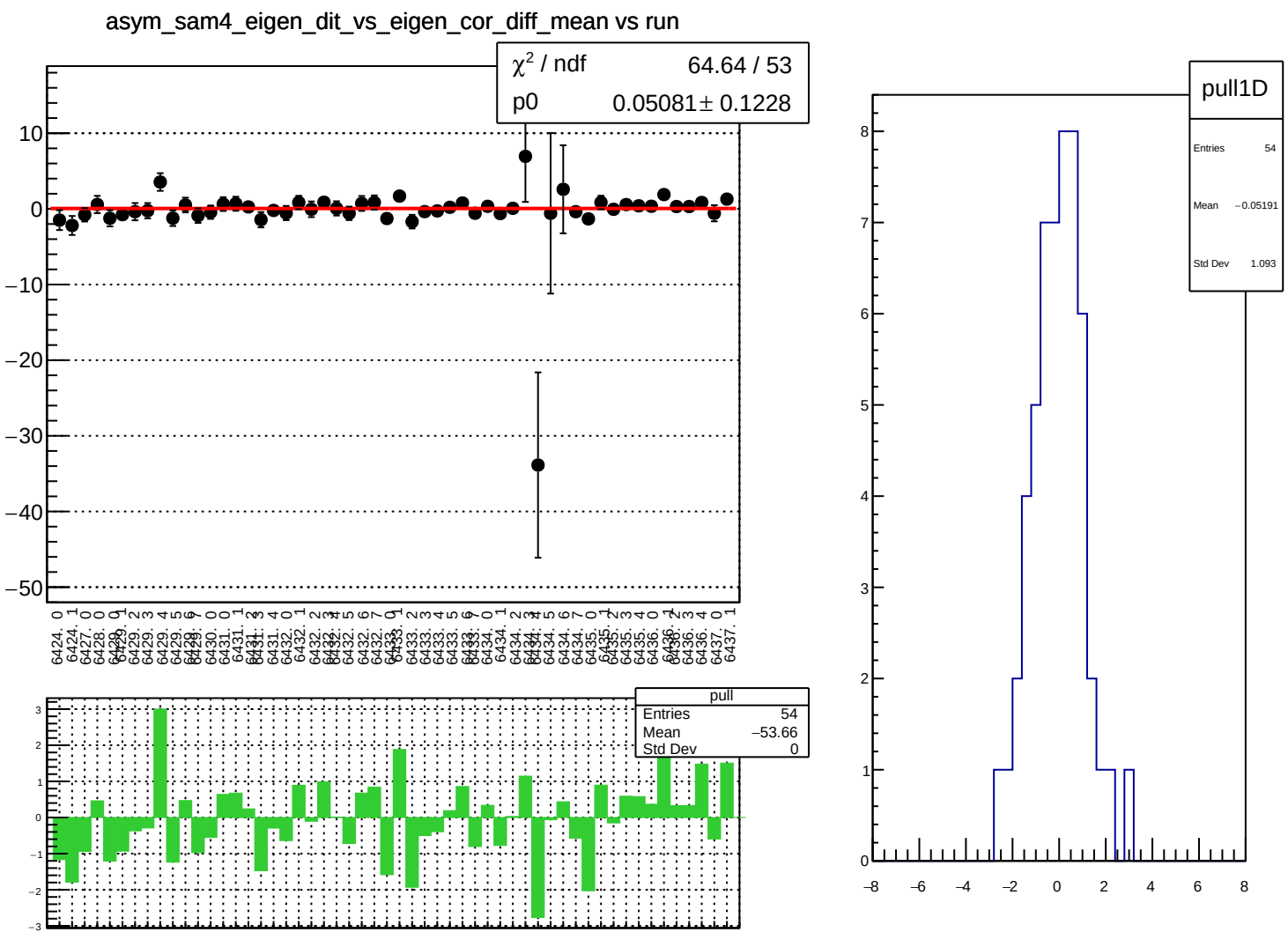

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.8 / 53
p0 −1.958e−05 ± 1.533e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 66.49
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean −0.005365
Std Dev 1.223
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

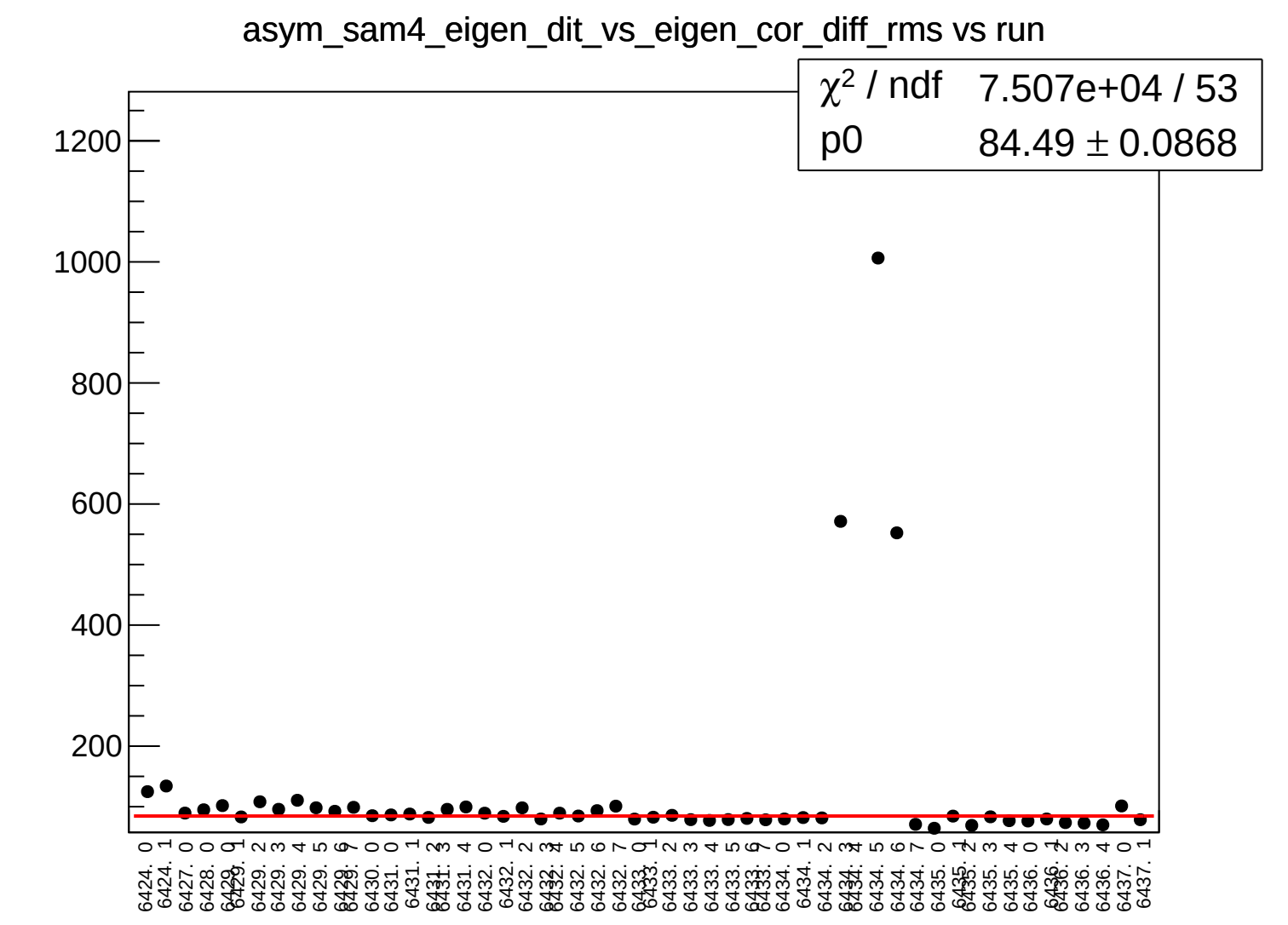

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2432 / 53
p0 0.01095 ± 1.084e−05
0.012
0.0115
0.011
0.0105
0.01
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

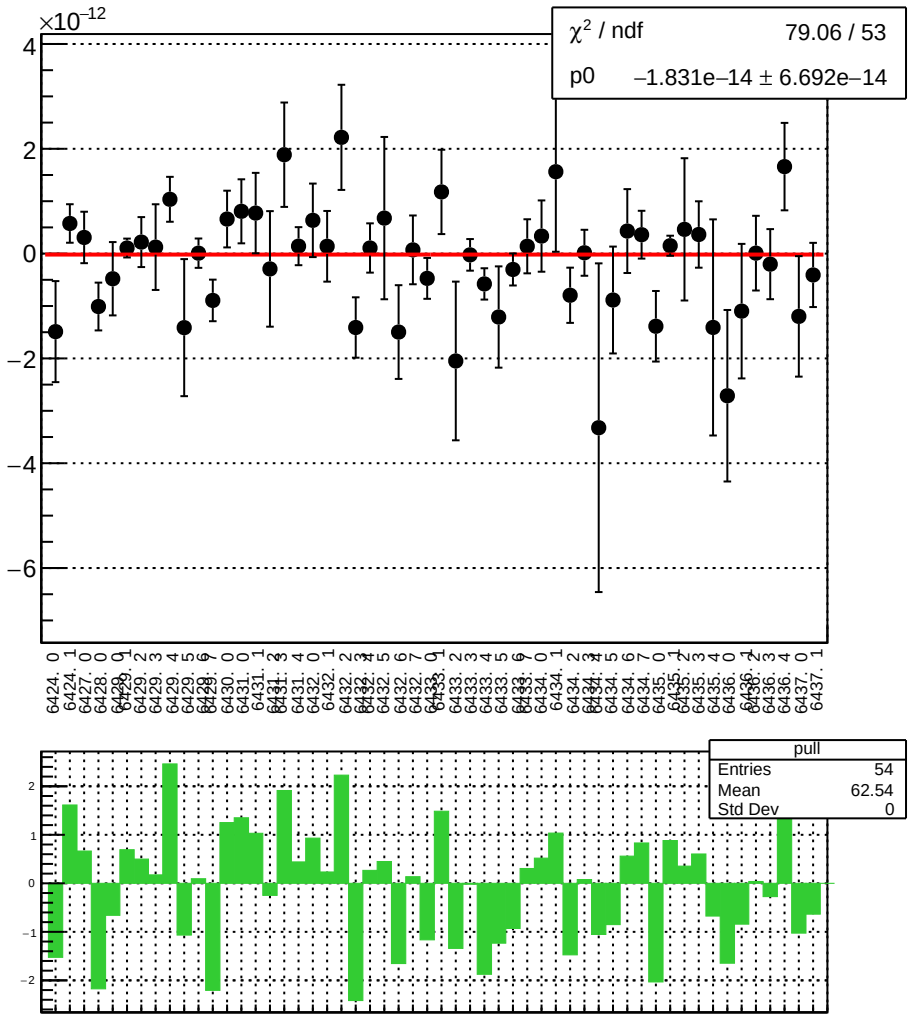

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.64 / 53
p0 0.05081 ± 0.1228
pull
Entries 54
Mean −53.66
Std Dev 0

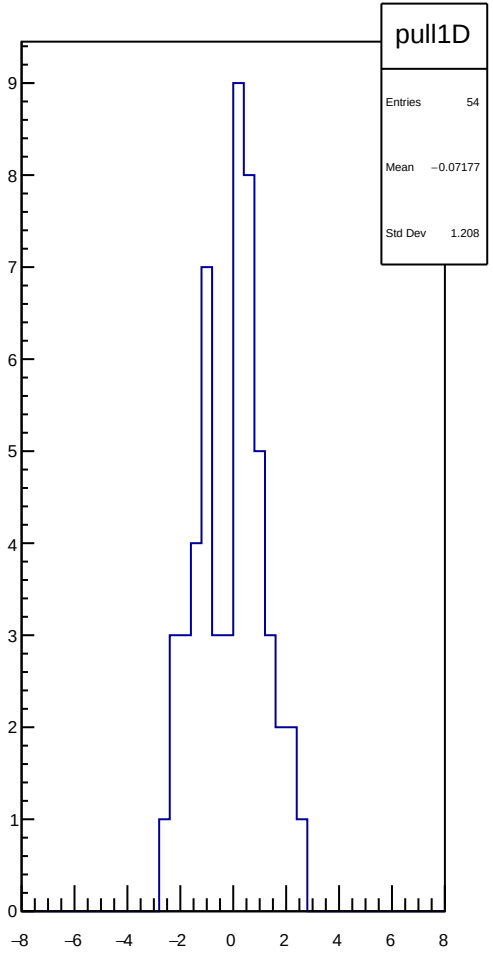

pull1D
Entries 54
Mean −0.05191
Std Dev 1.093

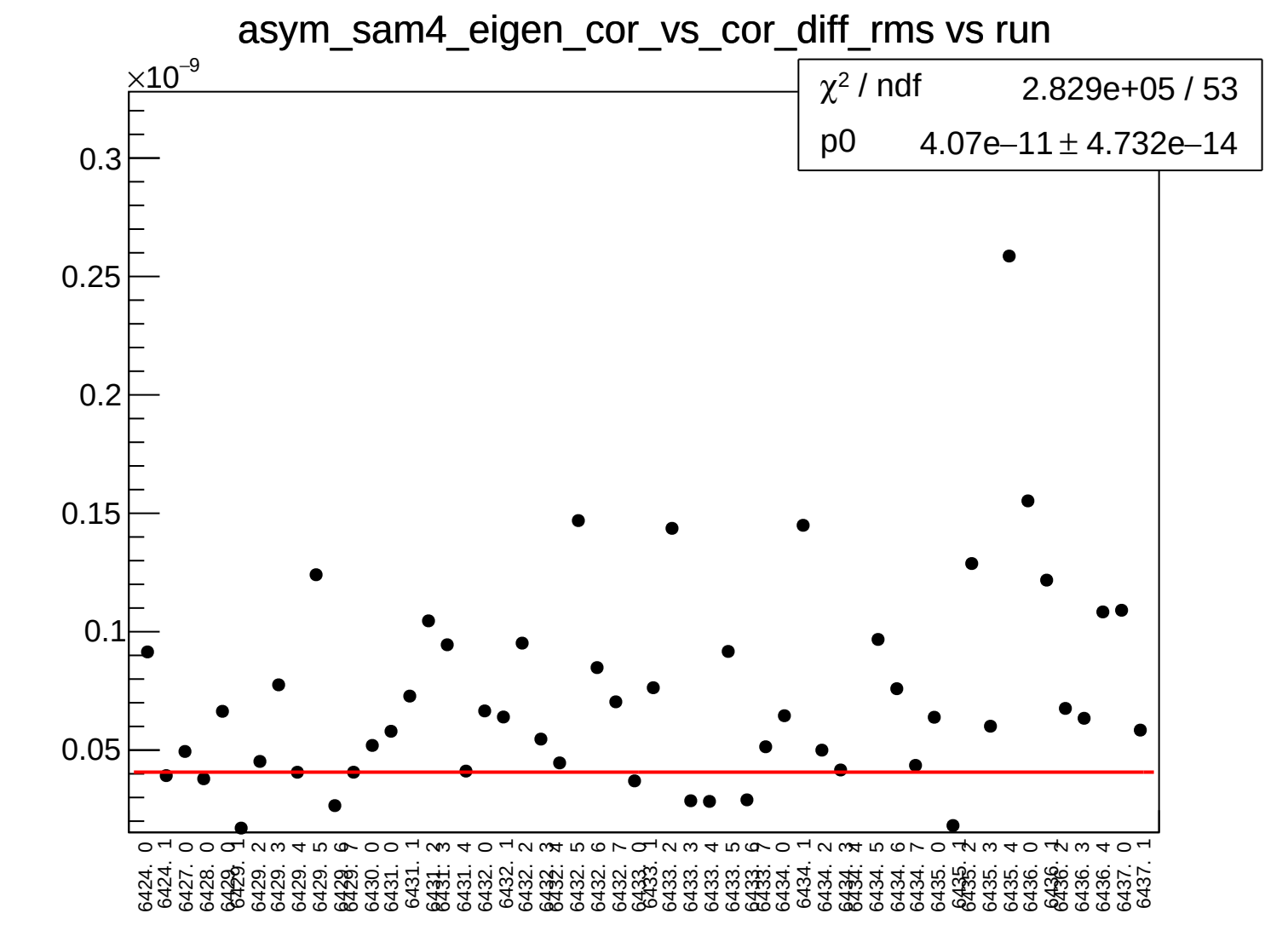

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.507e+04 / 53
p0 84.49 ± 0.0868
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

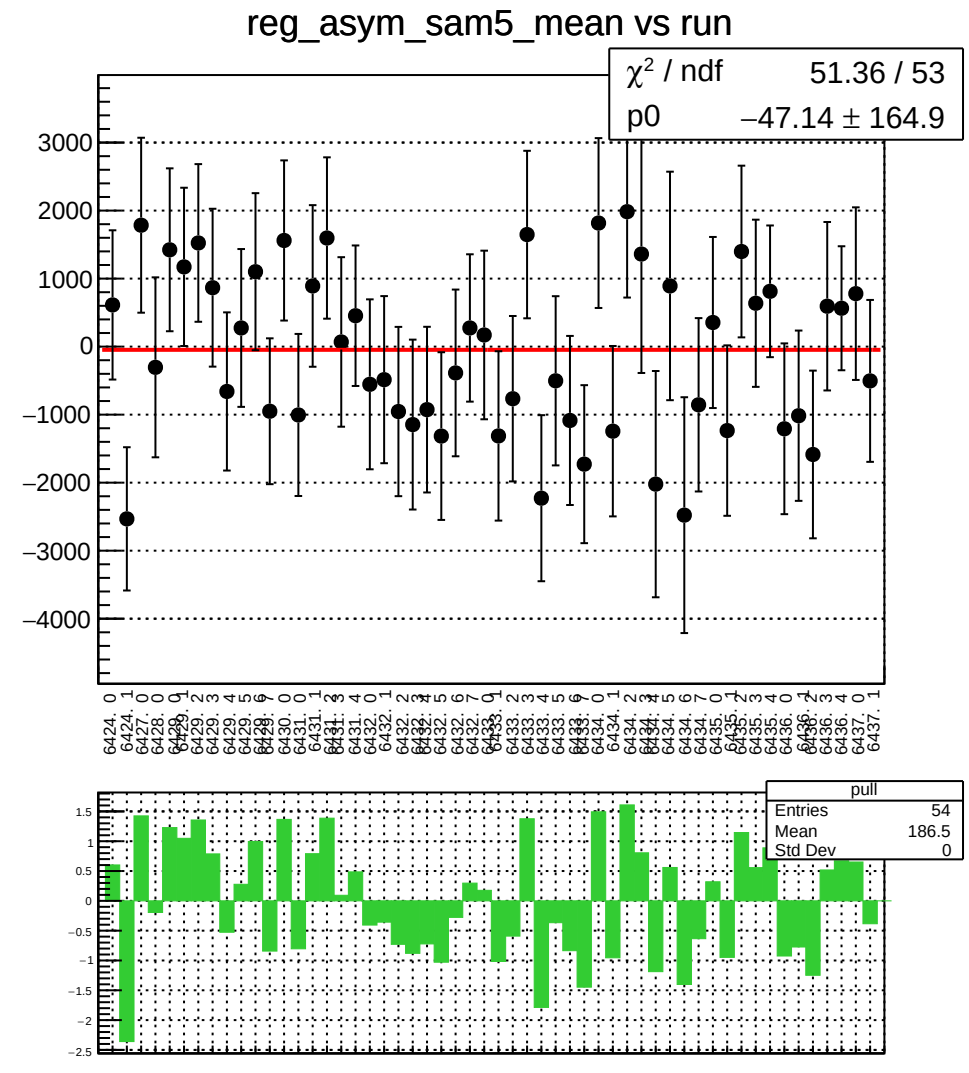

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.64 / 53
p0 0.05081 ± 0.1228
pull
Entries 54
Mean −53.66
Std Dev 0
pull1D
Entries 54
Mean −0.05191
Std Dev 1.093

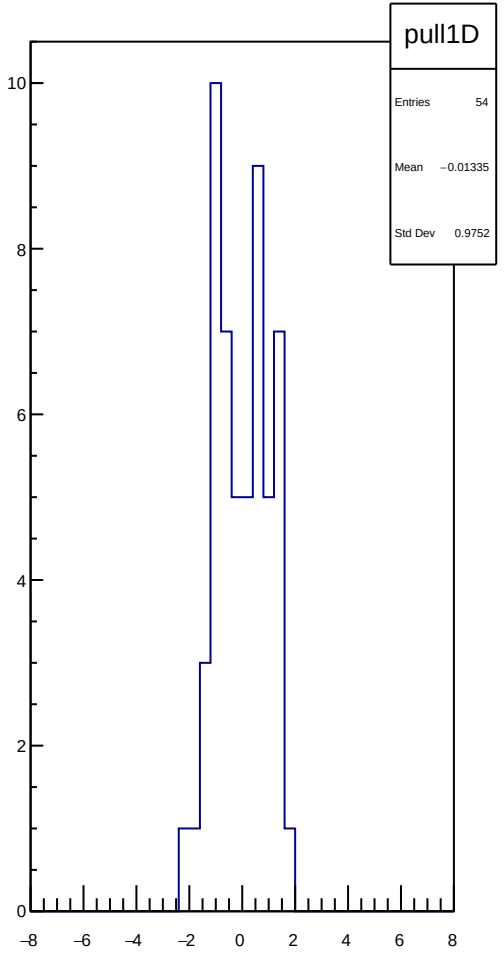

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.507e+04 / 53
p0 84.49 ± 0.0868
1200
1000
800
600
400
200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

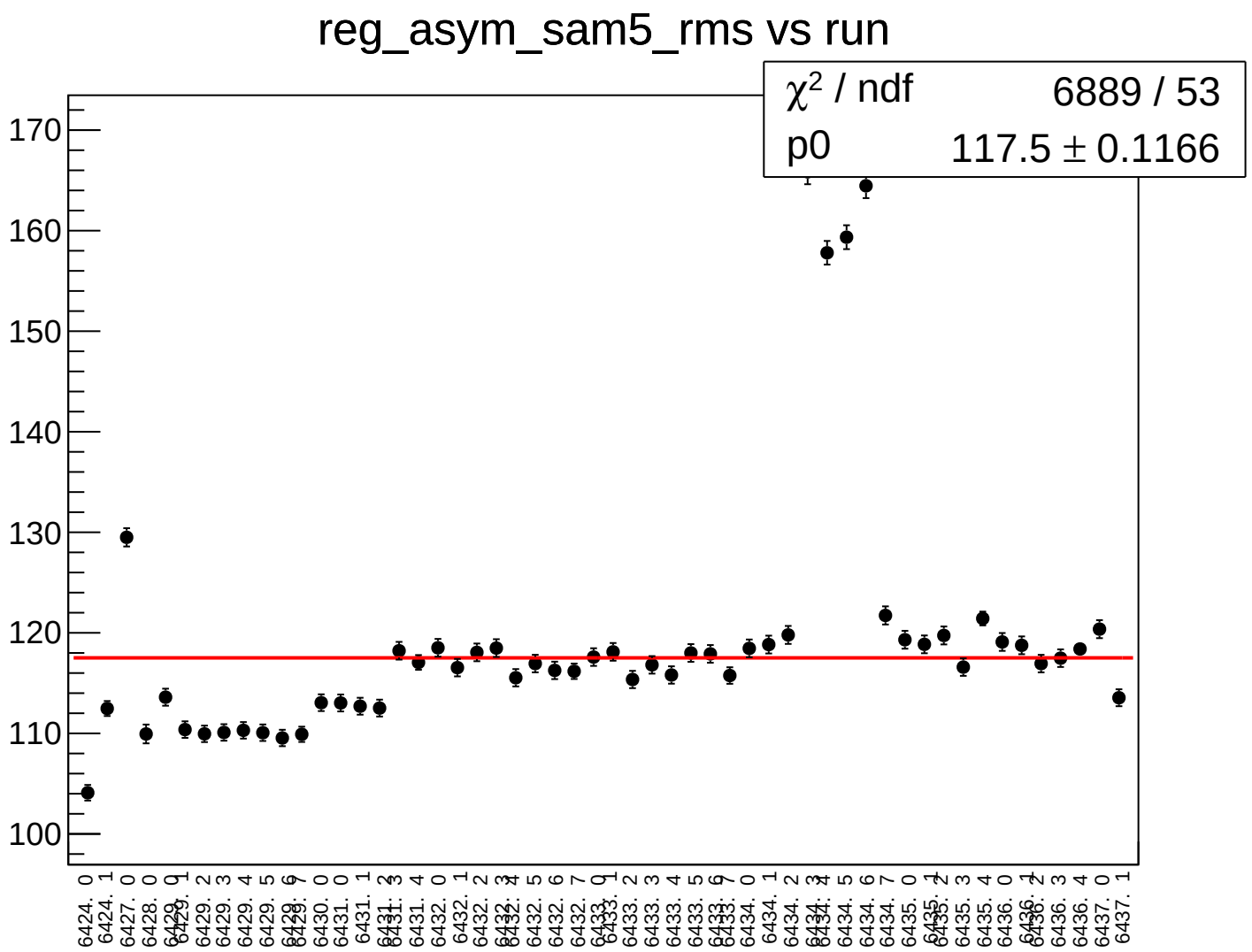

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.06 / 53
p0 −1.831e−14 ± 6.692e−14
pull
Entries 54
Mean 62.54
Std Dev 0

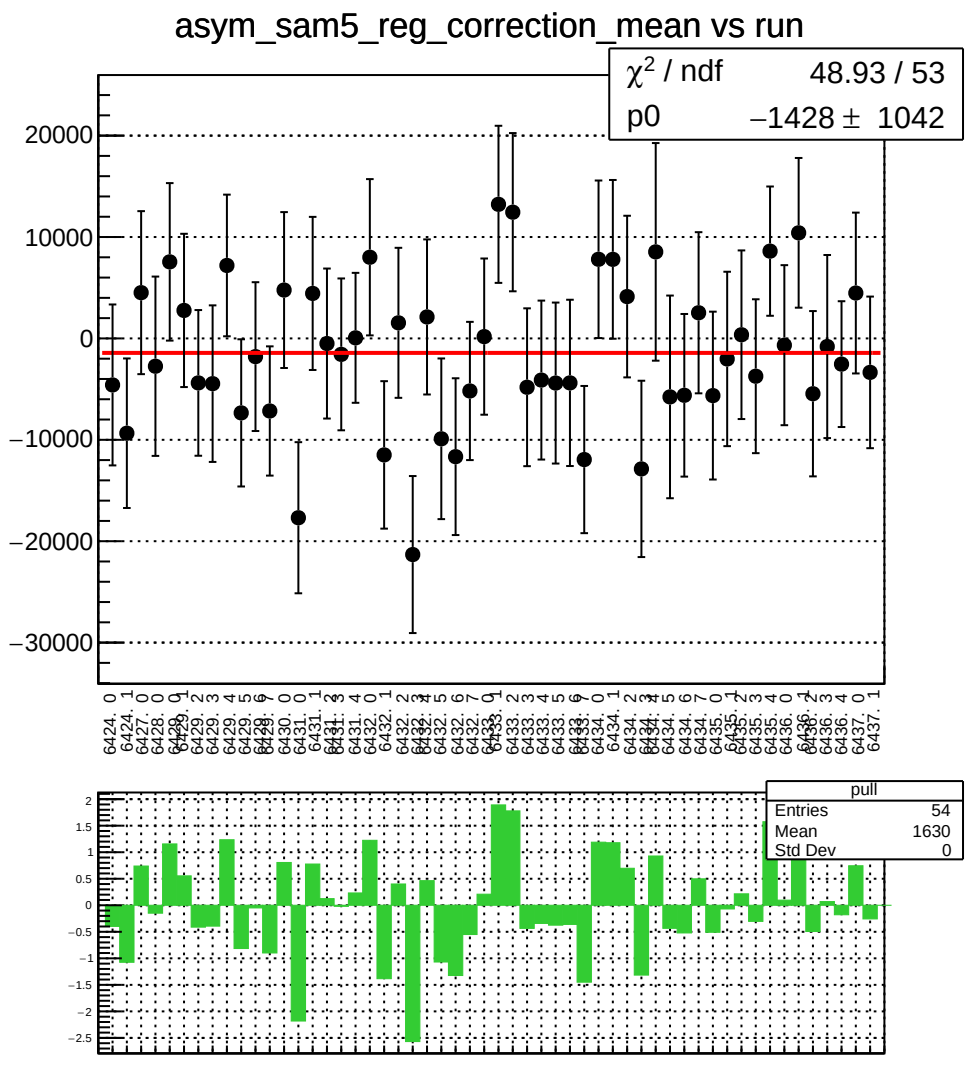

pull1D
Entries 54
Mean −0.07177
Std Dev 1.208

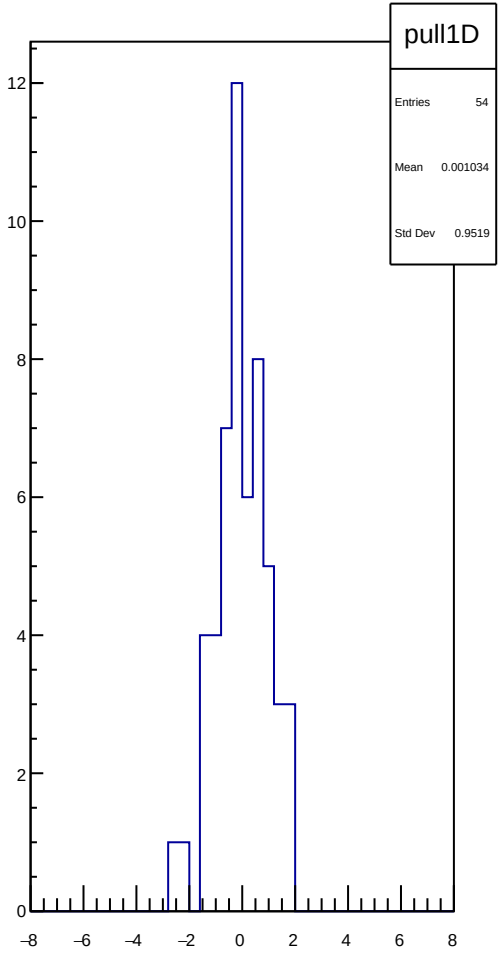

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.829e+05 / 53
p0 4.07e−11 ± 4.732e−14
0.3
0.25
0.2
0.15
0.1
0.05
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

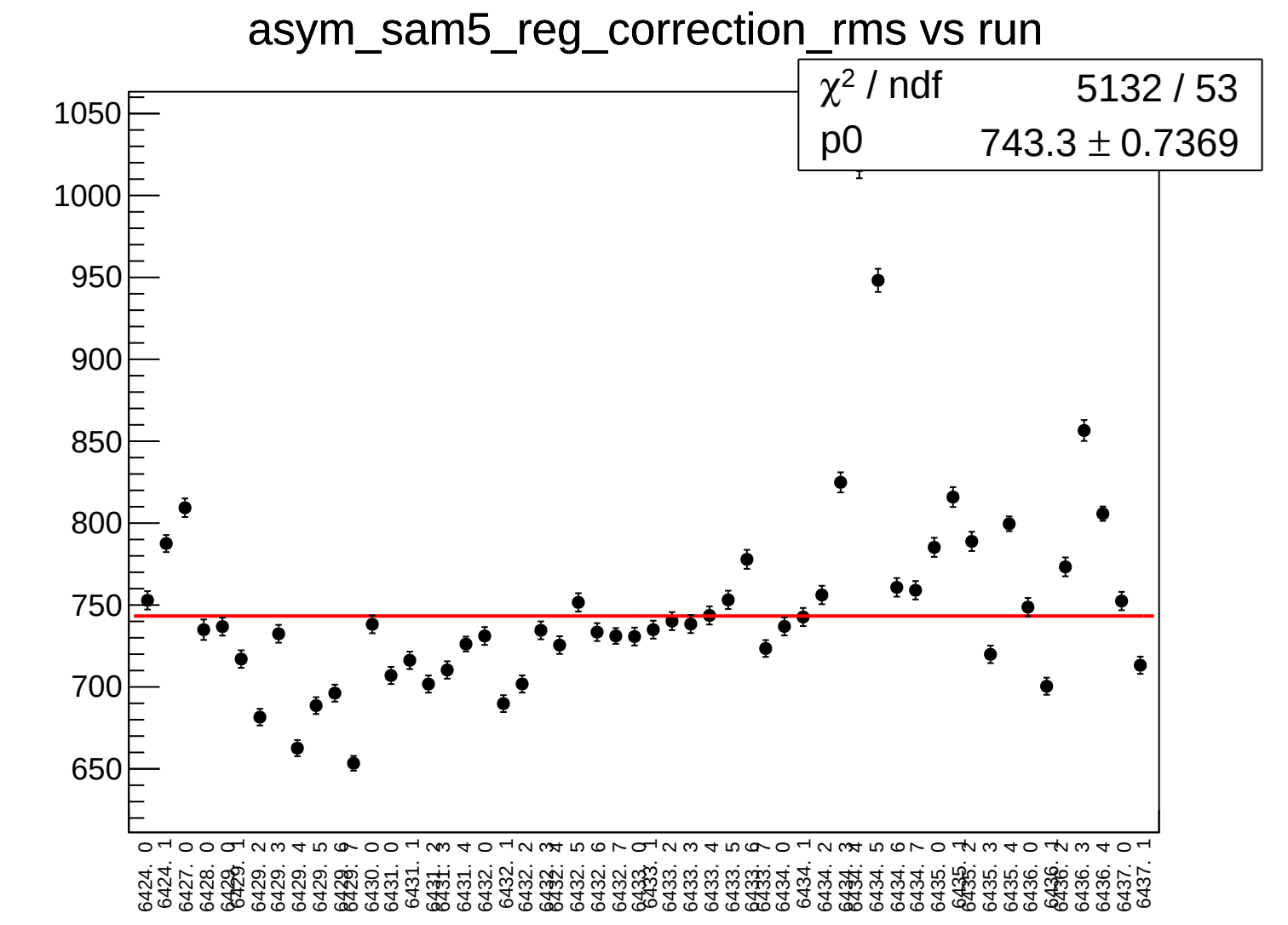

reg_asym_sam5_mean vs run
χ² / ndf 51.36 / 53
p0 −47.14 ± 164.9
pull
Entries 54
Mean 186.5
Std Dev 0

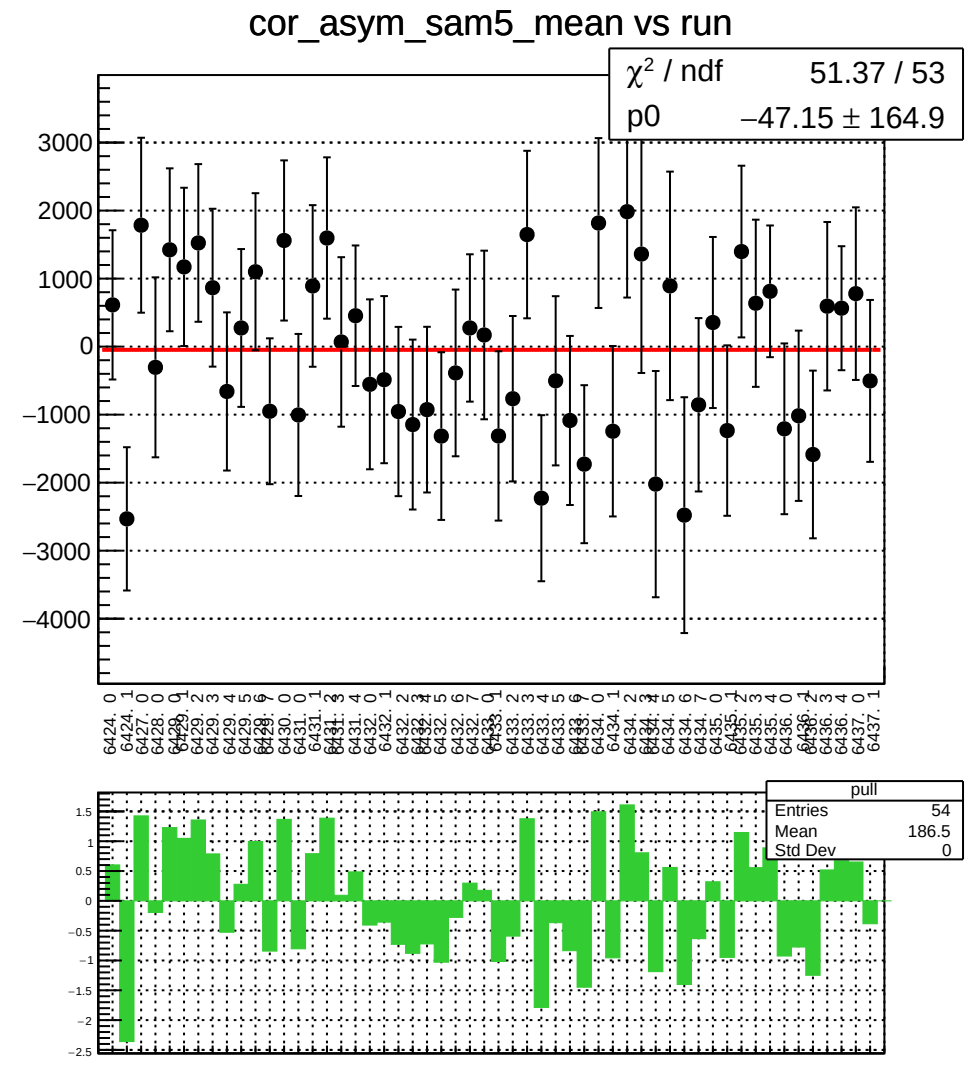

pull1D
Entries 54
Mean −0.01335
Std Dev 0.9752

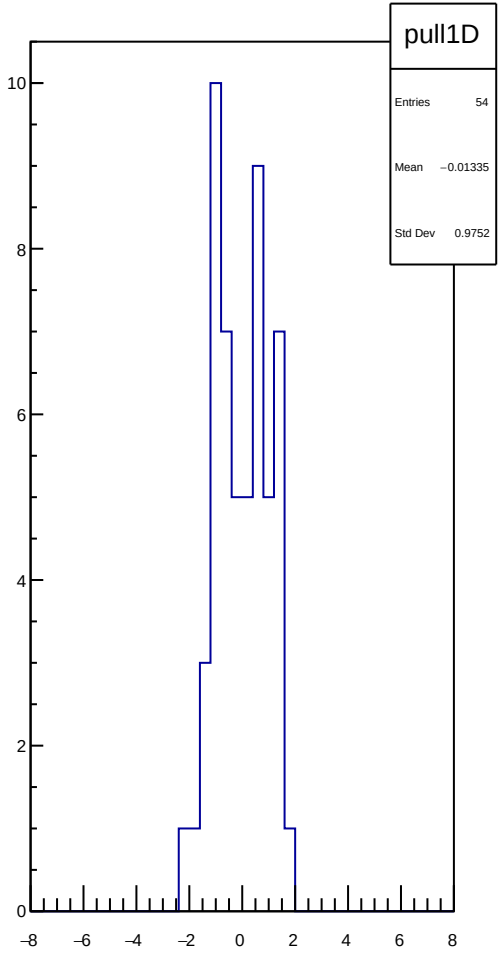

reg_asym_sam5_rms vs run
χ² / ndf 6889 / 53
p0 117.5 ± 0.1166
170
160
150
140
130
120
110
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

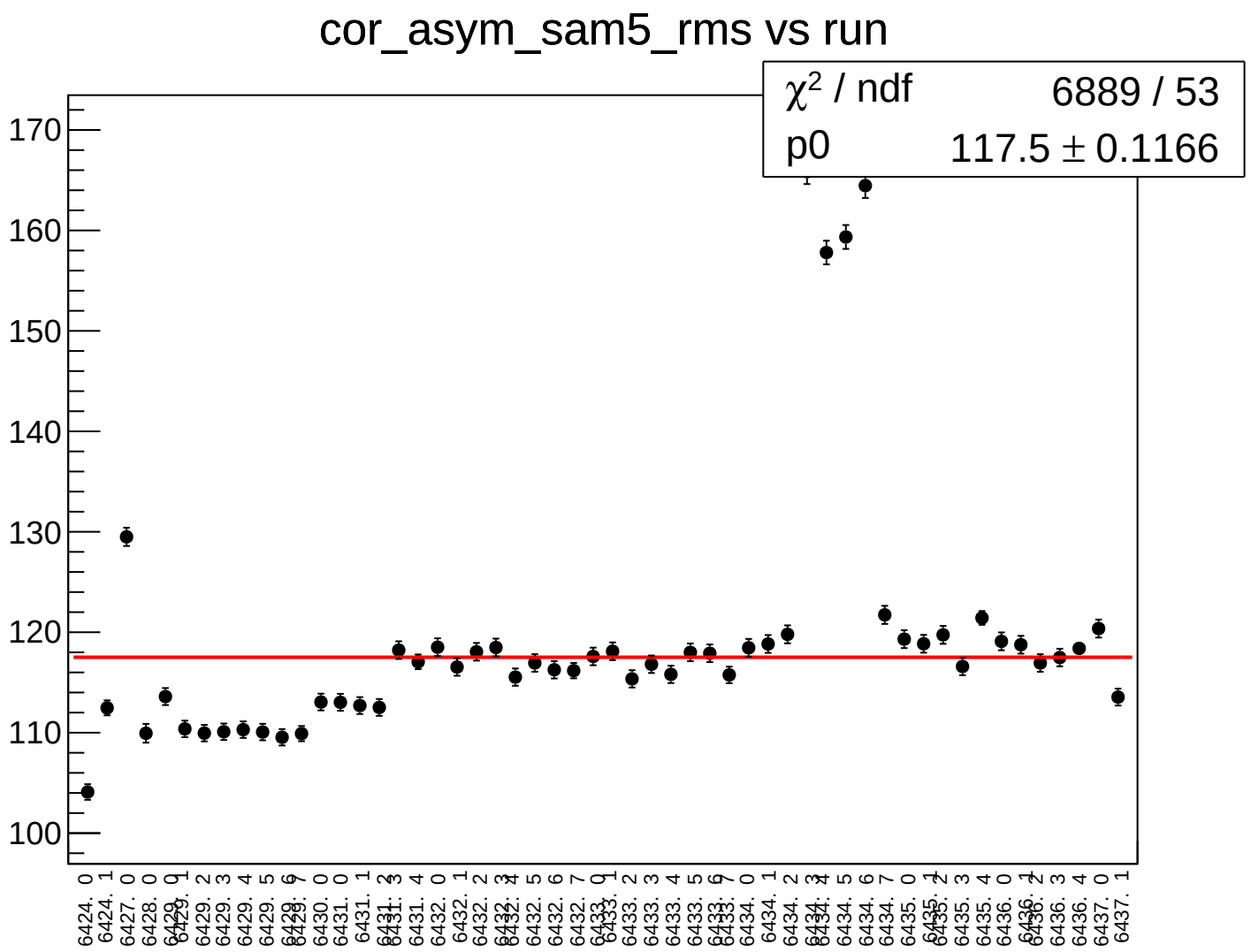

asym_sam5_reg_correction_mean vs run
χ² / ndf 48.93 / 53
p0 −1428 ± 1042
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1630
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

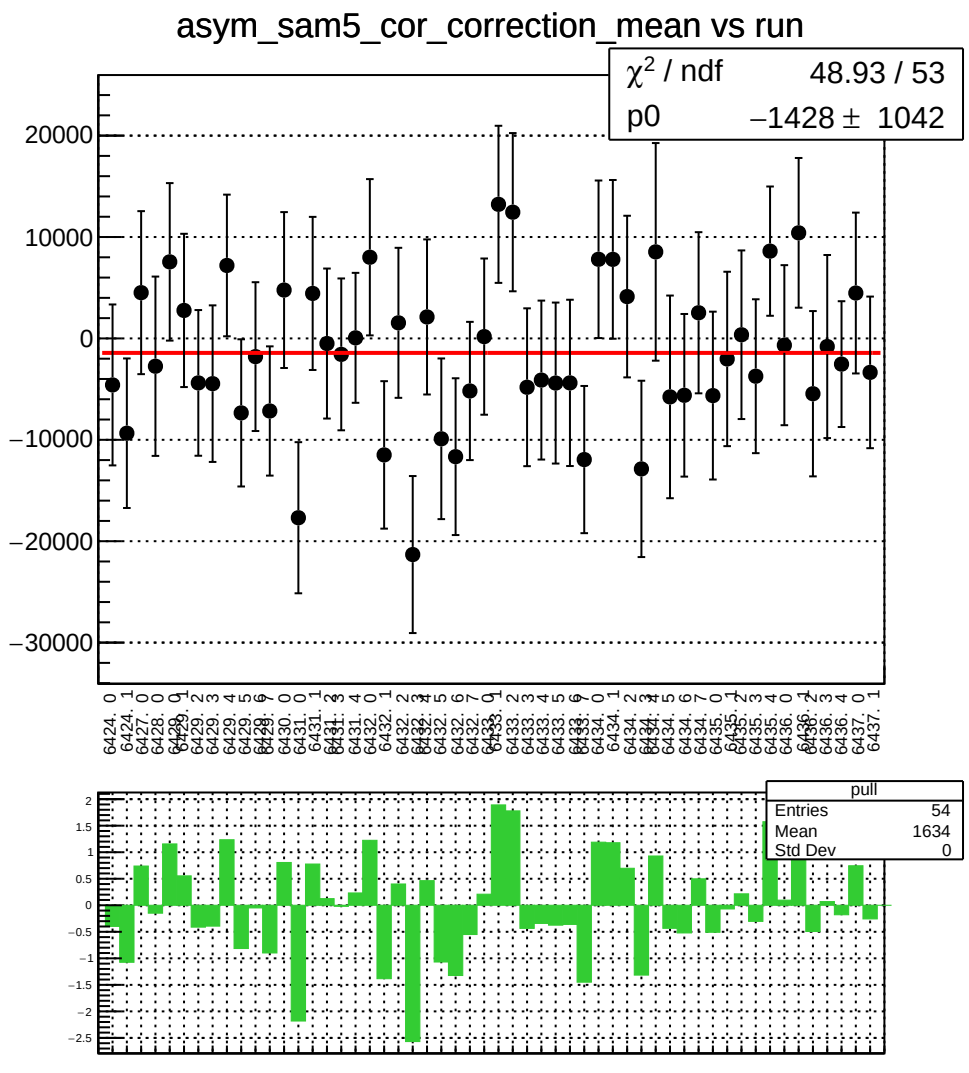

pull1D
Entries 54
Mean 0.001034
Std Dev 0.9519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

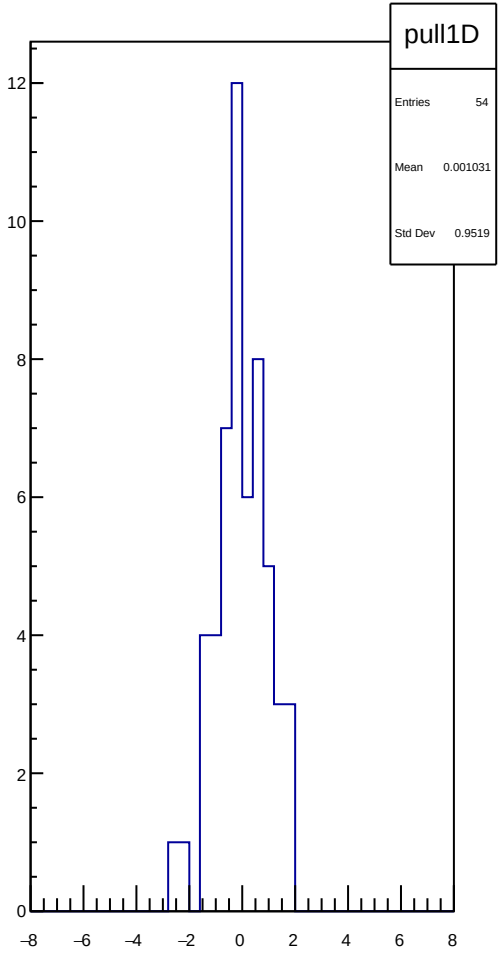

asym_sam5_reg_correction_rms vs run
χ² / ndf 5132 / 53
p0 743.3 ± 0.7369
1050
1000
950
900
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

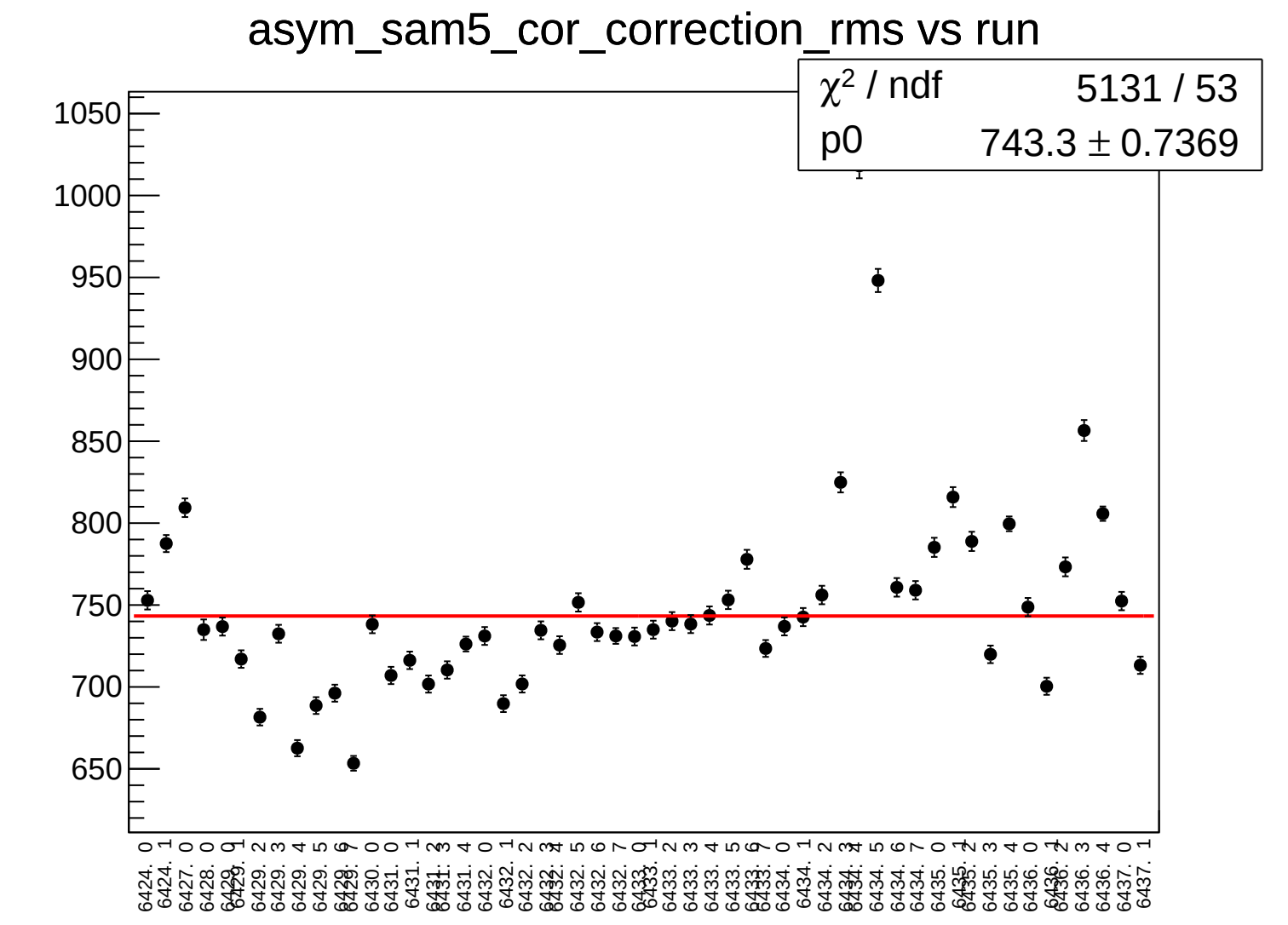

cor_asym_sam5_mean vs run
χ² / ndf 51.37 / 53
p0 −47.15 ± 164.9
pull
Entries 54
Mean 186.5
Std Dev 0

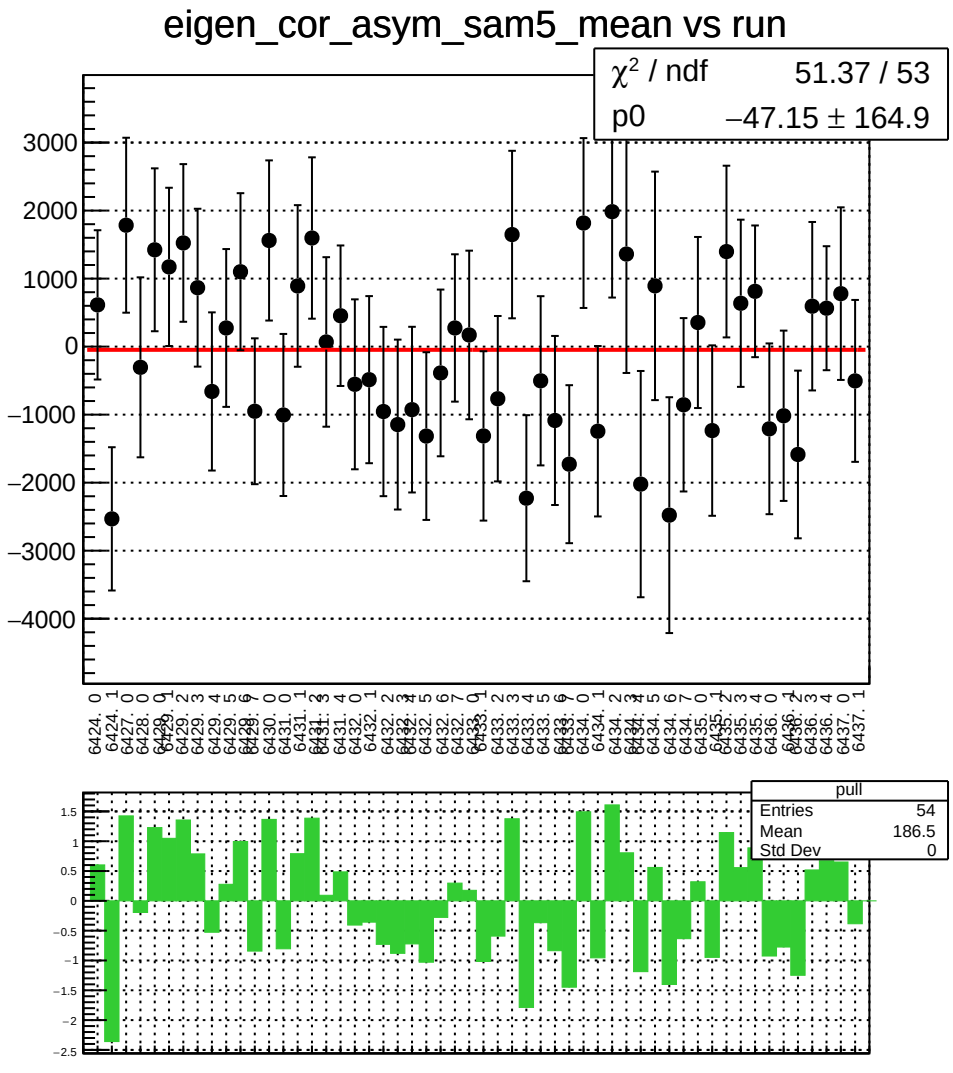

pull1D
Entries 54
Mean −0.01335
Std Dev 0.9752

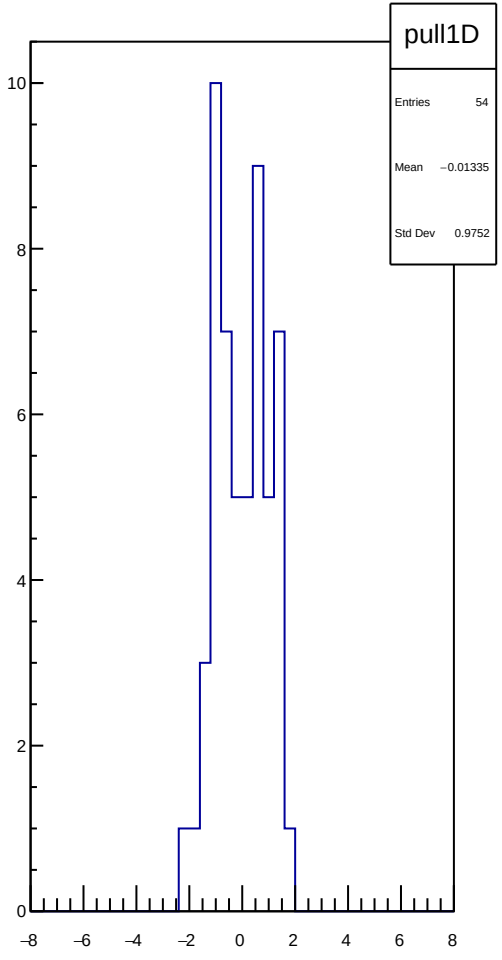

cor_asym_sam5_rms vs run
χ² / ndf 6889 / 53
p0 117.5 ± 0.1166
170
160
150
140
130
120
110
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

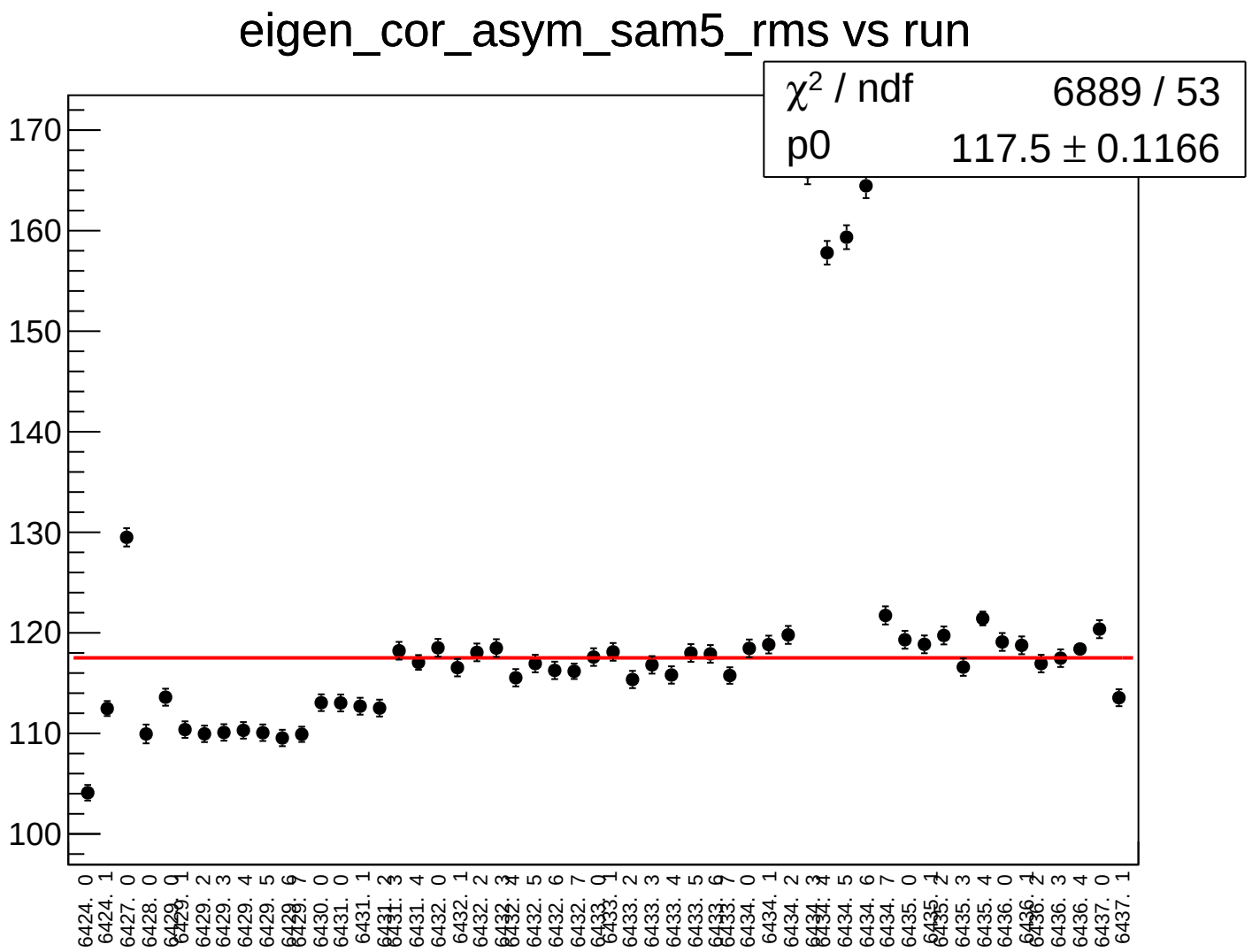

asym_sam5_cor_correction_mean vs run
χ² / ndf 48.93 / 53
p0 −1428 ± 1042
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1634
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

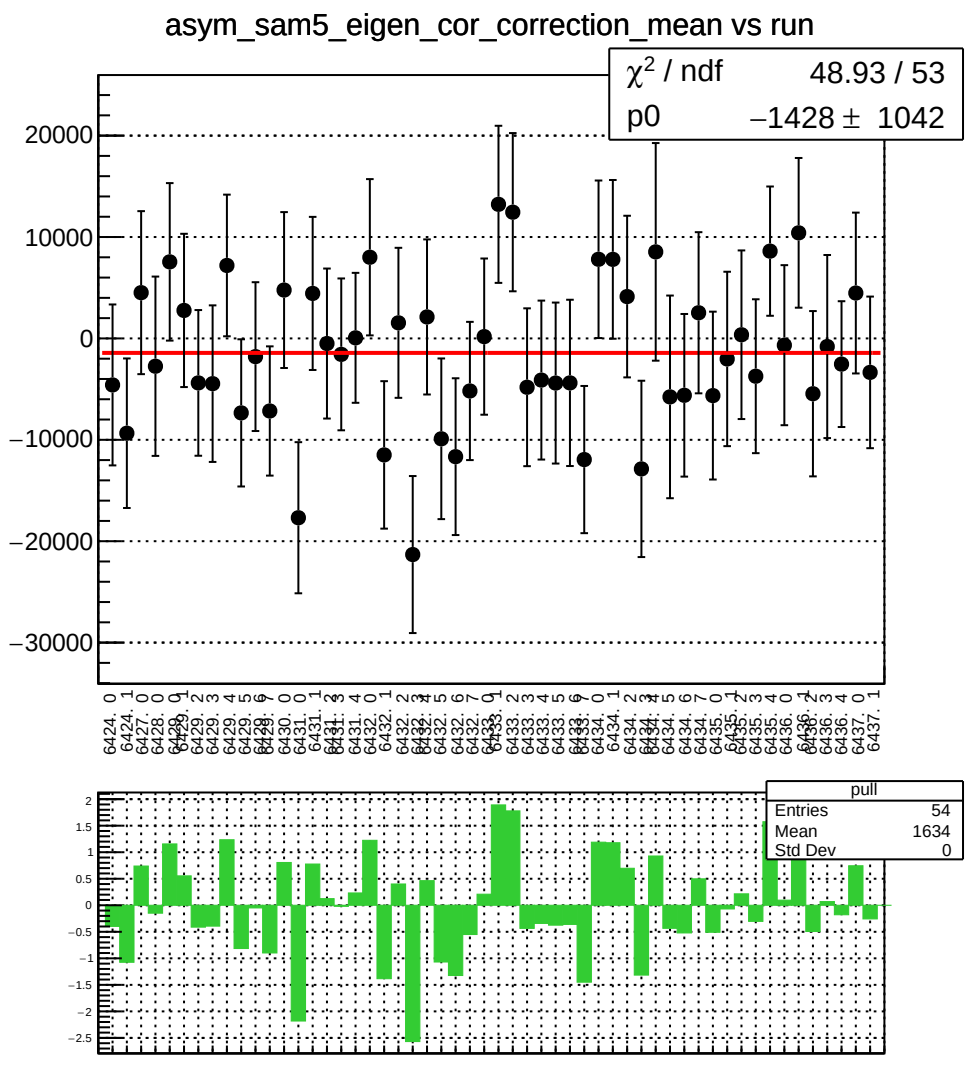

pull1D
Entries 54
Mean 0.001031
Std Dev 0.9519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

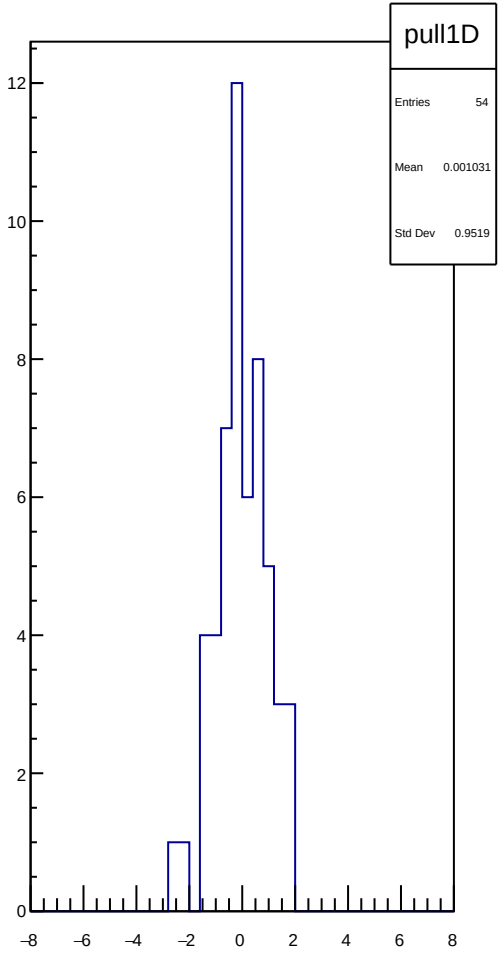

asym_sam5_cor_correction_rms vs run
χ² / ndf 5131 / 53
p0 743.3 ± 0.7369
1050
1000
950
900
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

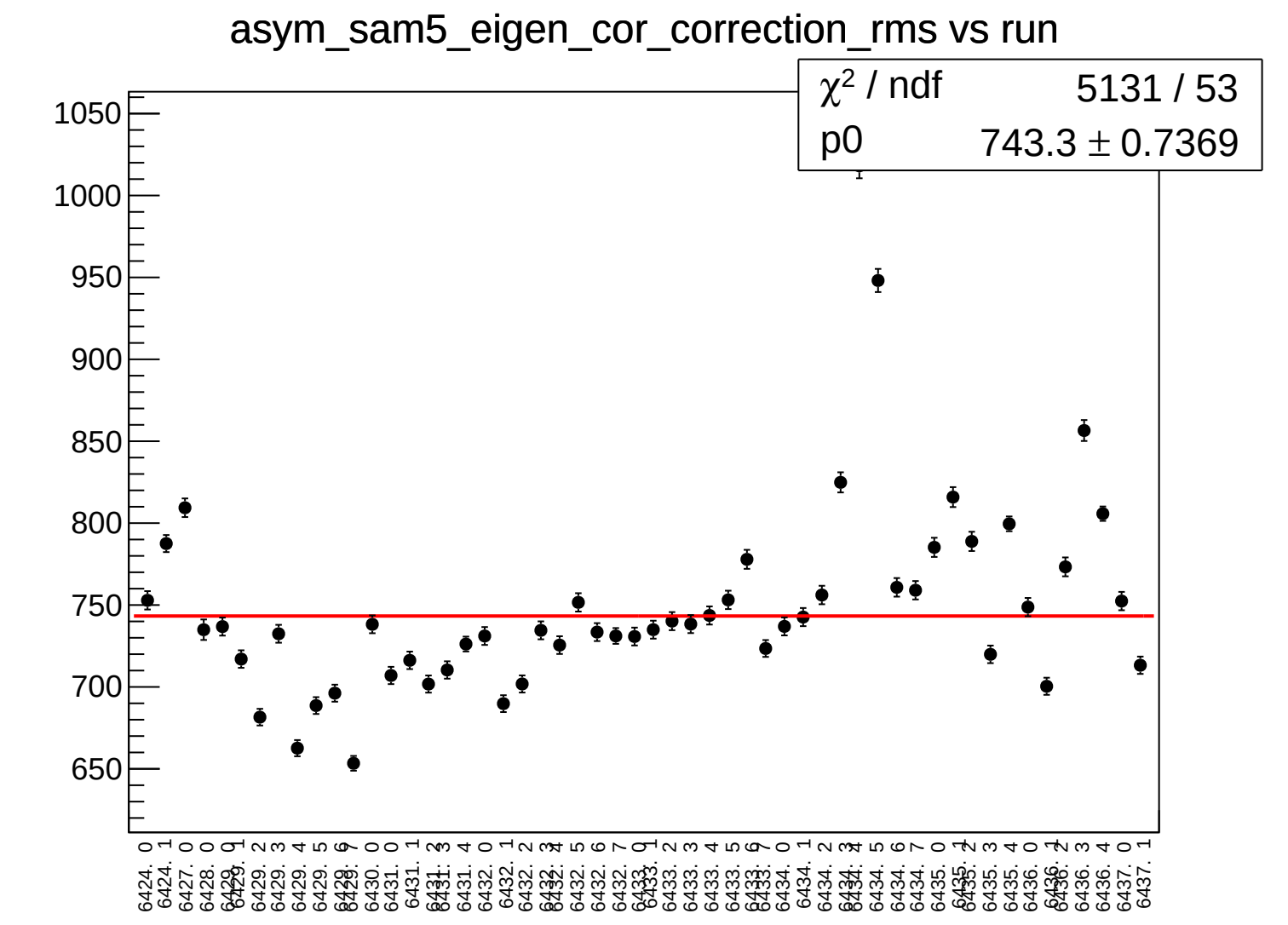

eigen_cor_asym_sam5_mean vs run
χ² / ndf 51.37 / 53
p0 −47.15 ± 164.9
pull
Entries 54
Mean 186.5
Std Dev 0

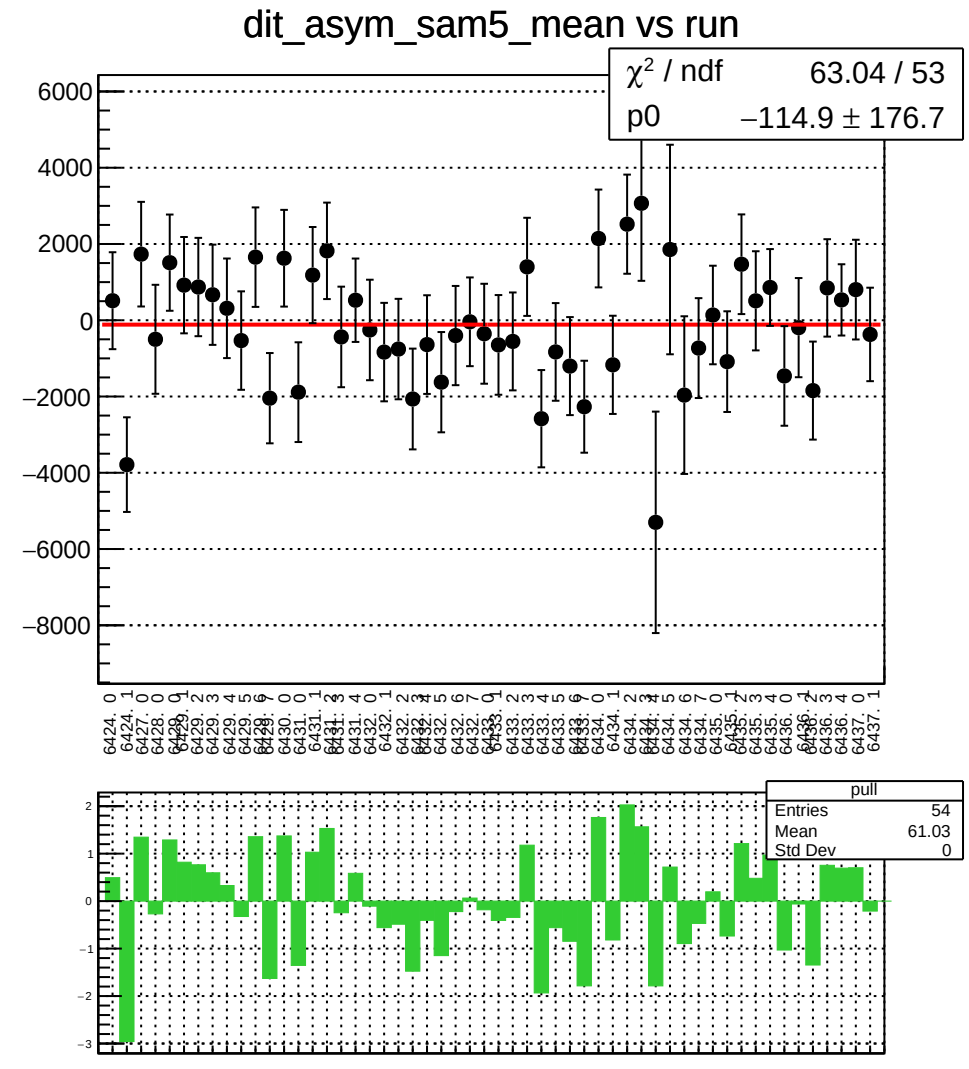

pull1D
Entries 54
Mean −0.01335
Std Dev 0.9752

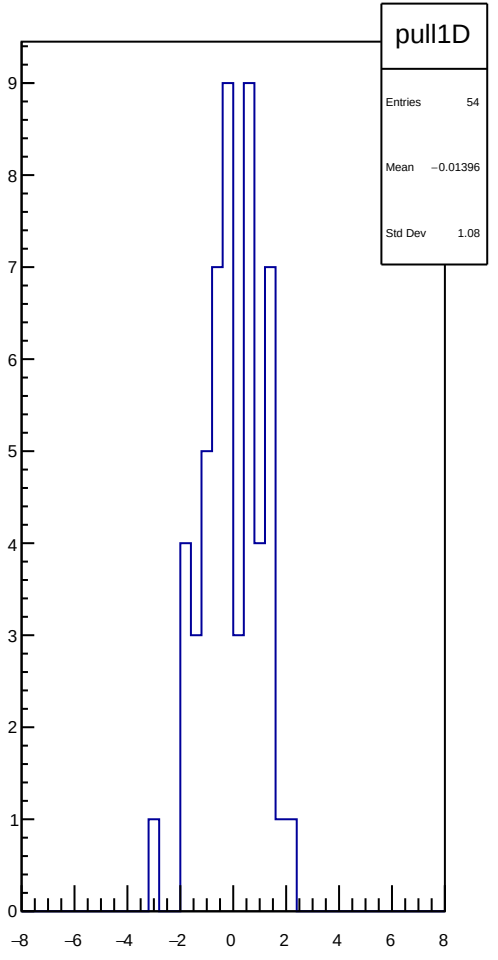

eigen_cor_asym_sam5_rms vs run
χ² / ndf 6889 / 53
p0 117.5 ± 0.1166
170
160
150
140
130
120
110
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

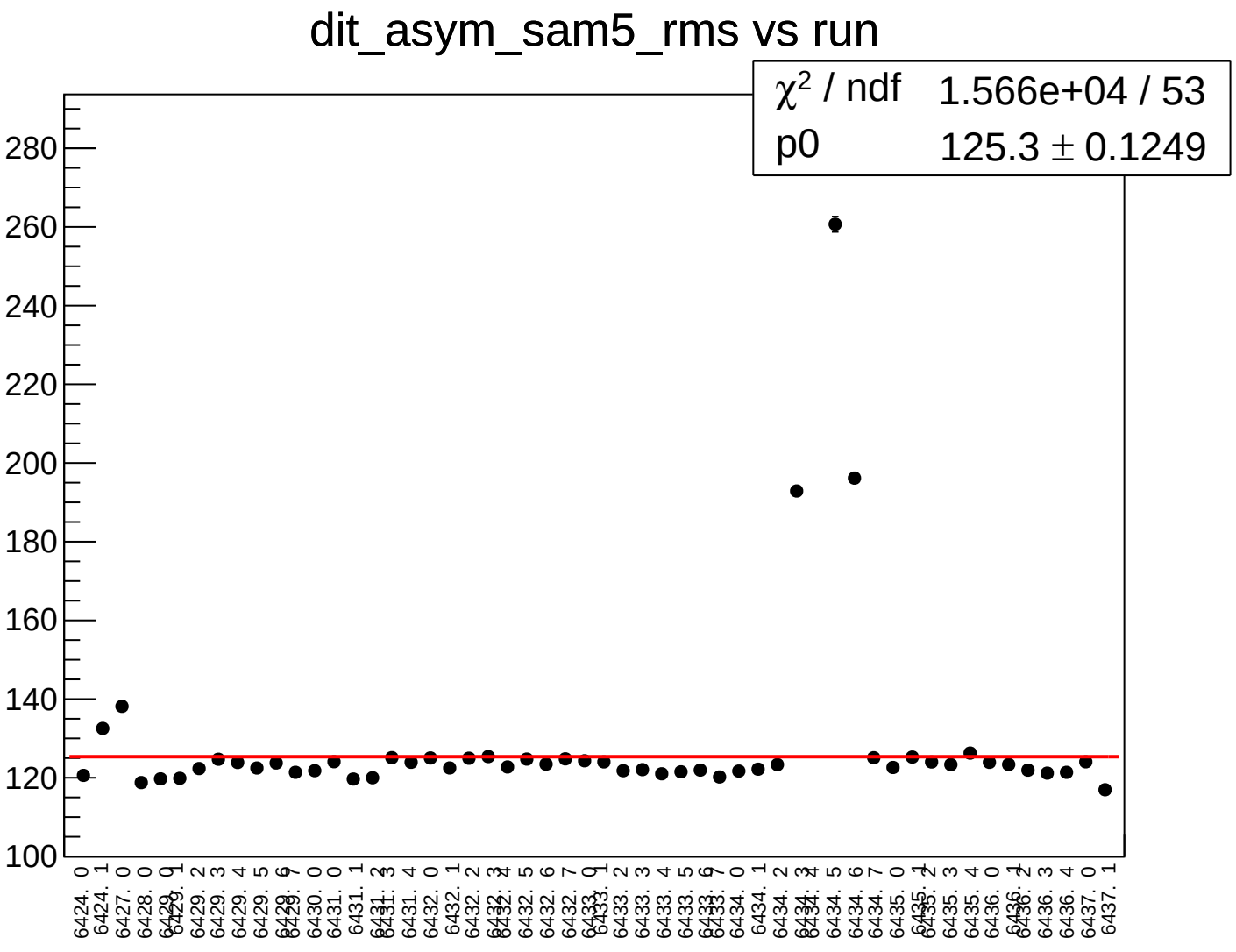

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 48.93 / 53
p0 −1428 ± 1042
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 1634
Std Dev 0

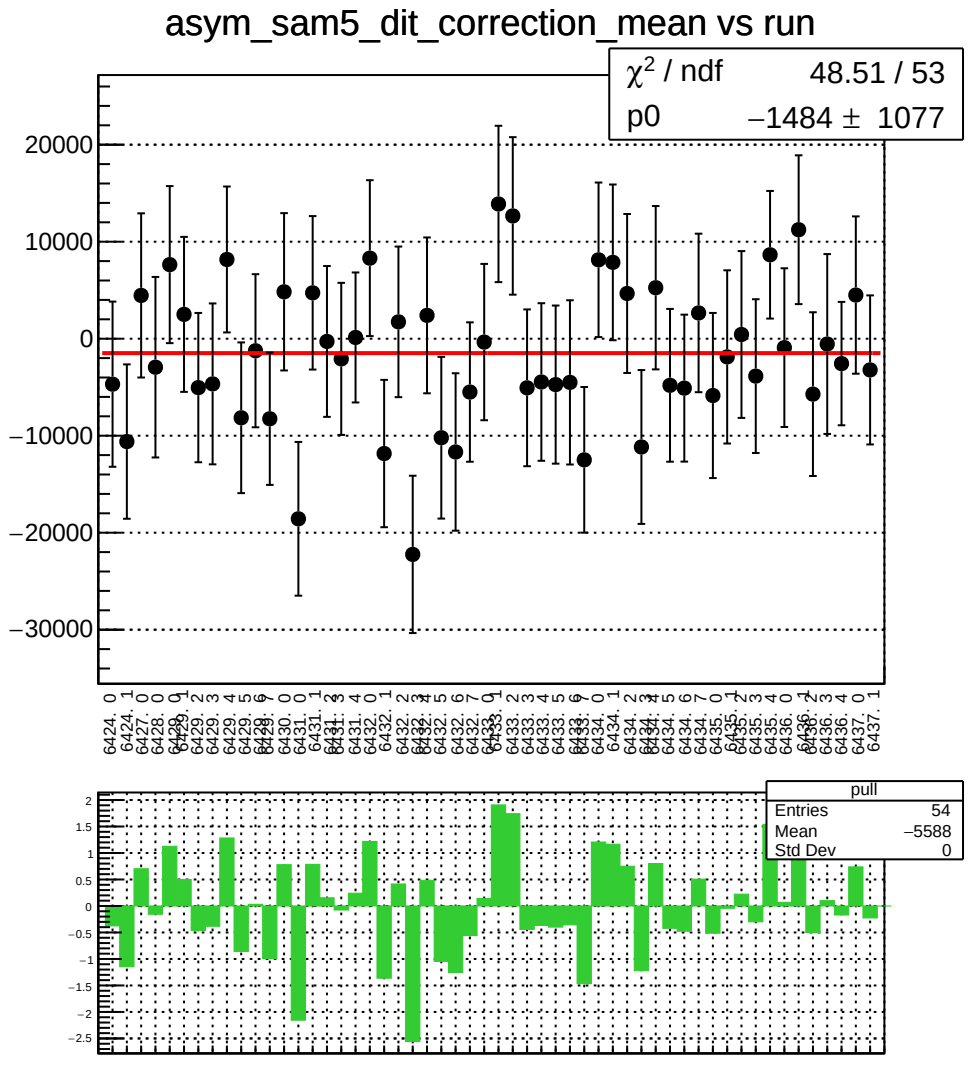

pull1D
Entries 54
Mean 0.001031
Std Dev 0.9519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

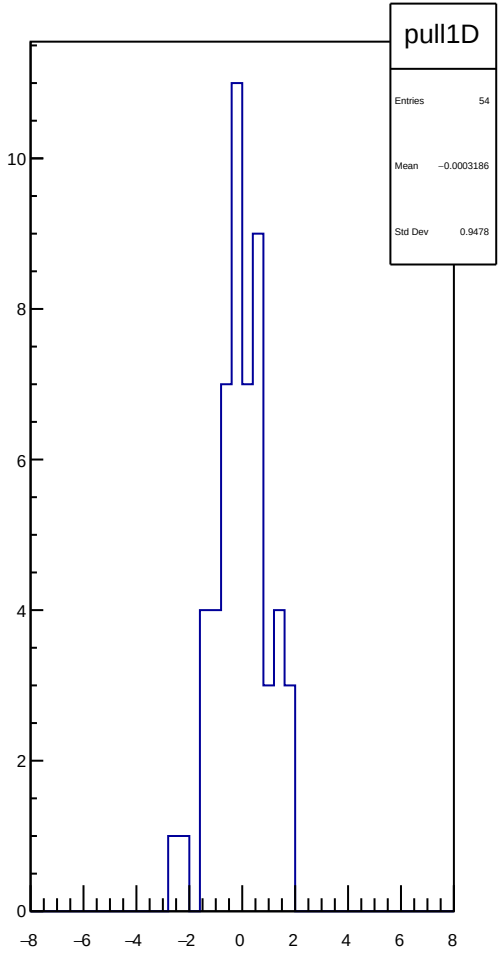

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 5131 / 53
p0 743.3 ± 0.7369
1050
1000
950
900
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

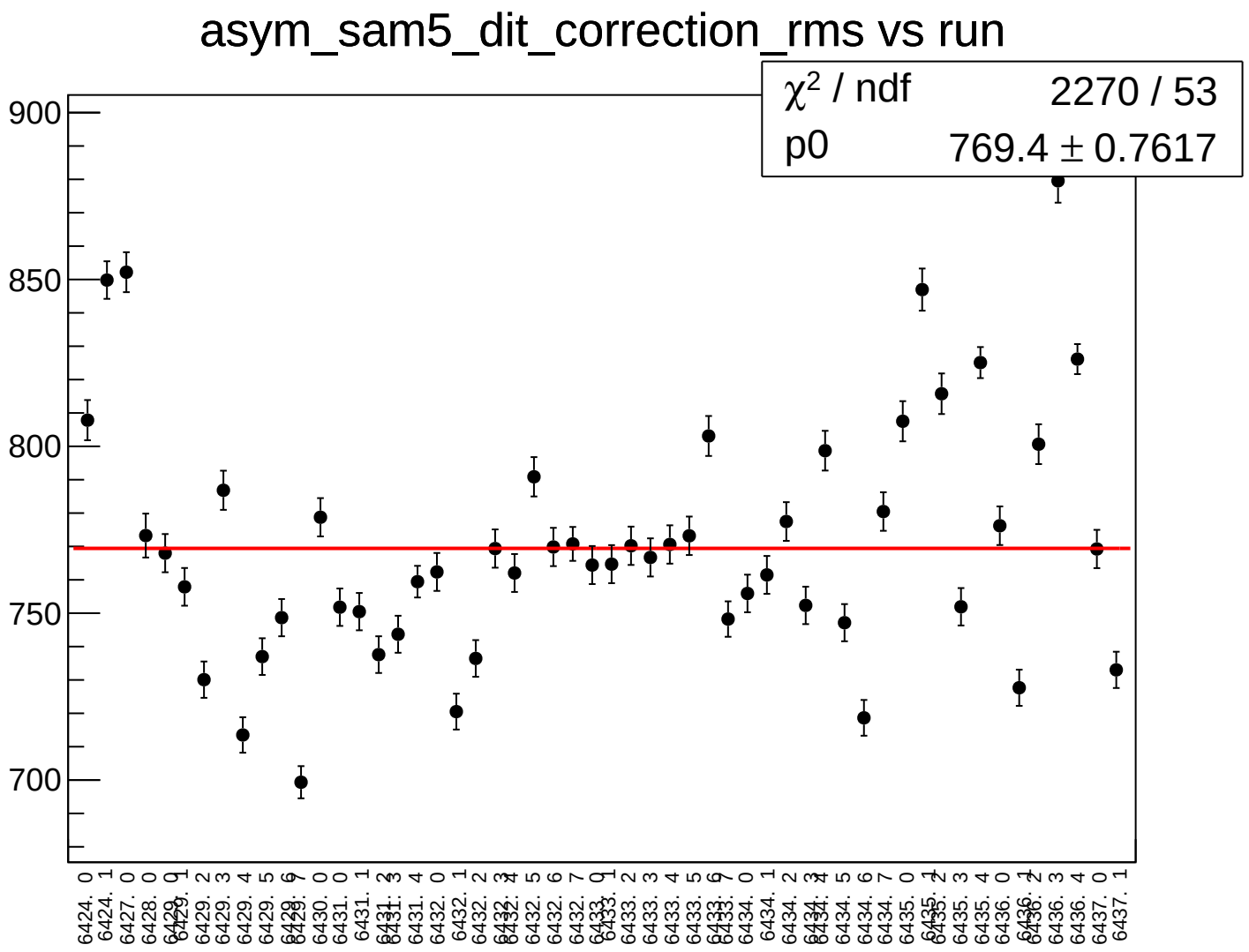

dit_asym_sam5_mean vs run
χ² / ndf 63.04 / 53
p0 −114.9 ± 176.7
pull
Entries 54
Mean 61.03
Std Dev 0

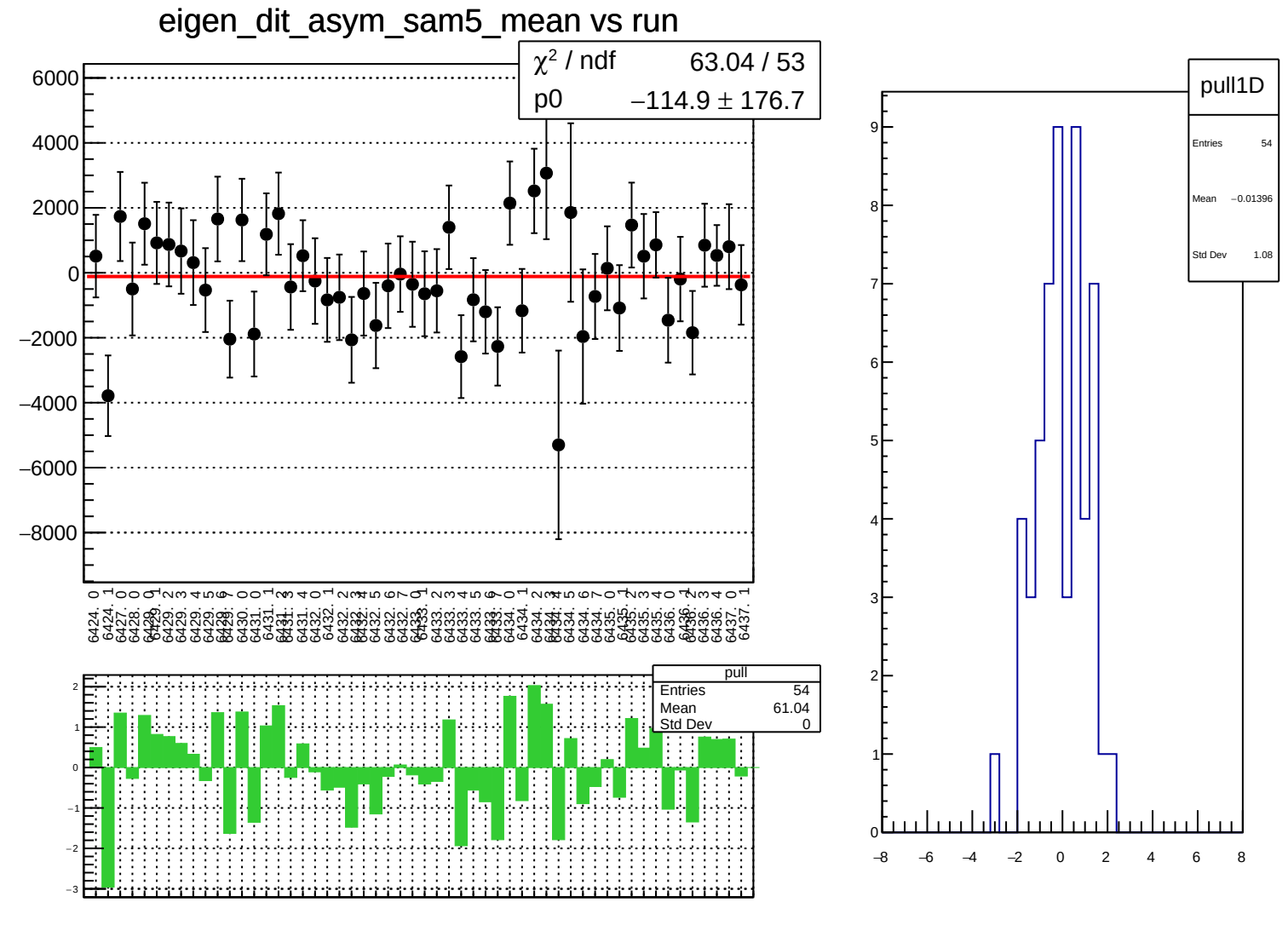

pull1D
Entries 54
Mean −0.01396
Std Dev 1.08

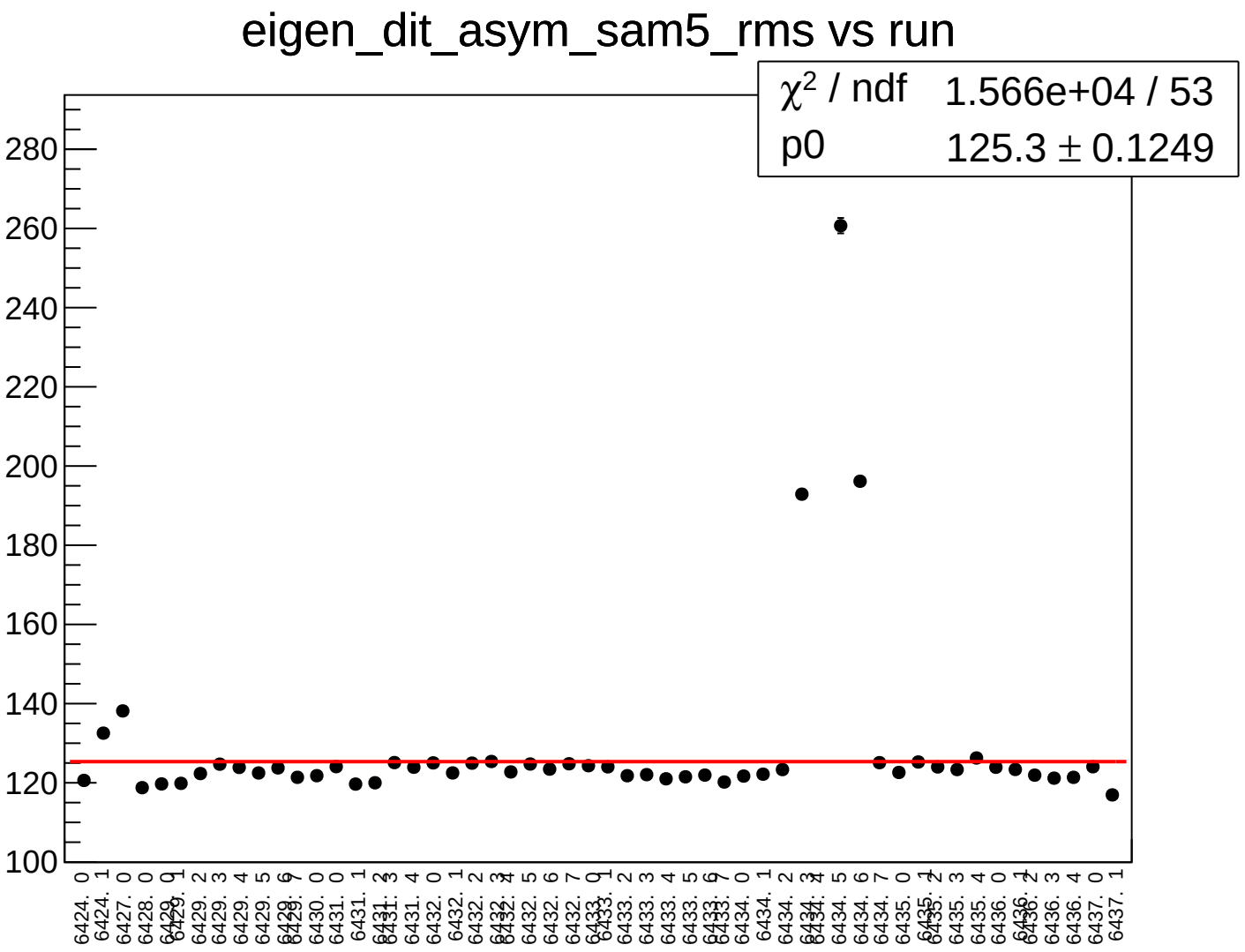

dit_asym_sam5_rms vs run
χ² / ndf 1.566e+04 / 53
p0 125.3 ± 0.1249
280
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

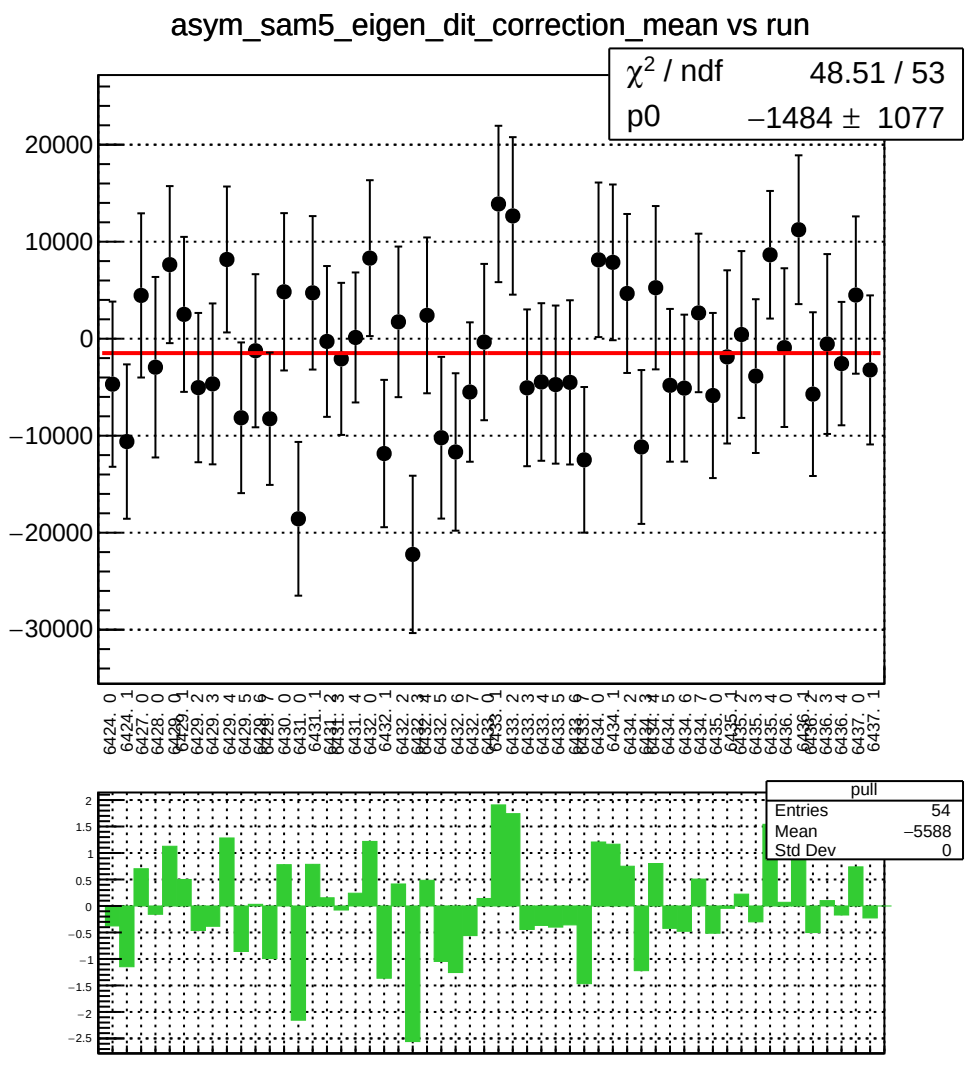

asym_sam5_dit_correction_mean vs run
χ² / ndf 48.51 / 53
p0 −1484 ± 1077
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −5588
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

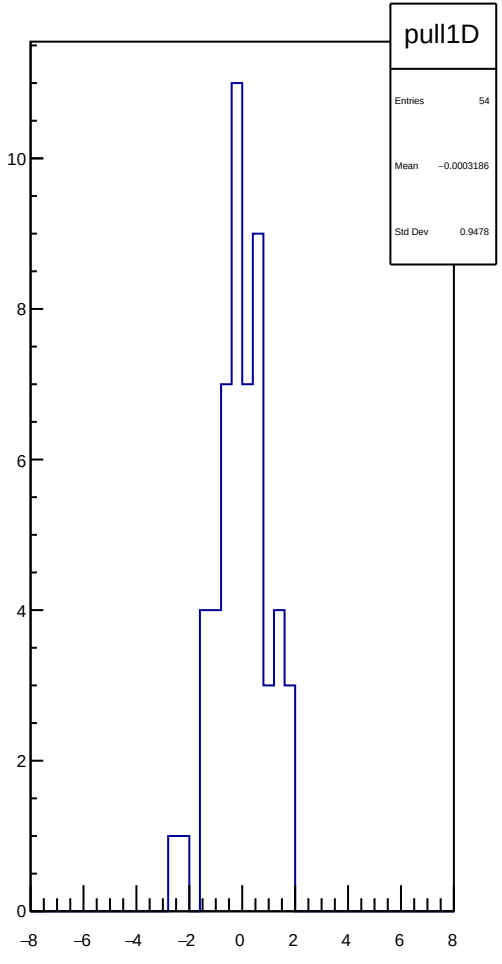

pull1D
Entries 54
Mean −0.0003186
Std Dev 0.9478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

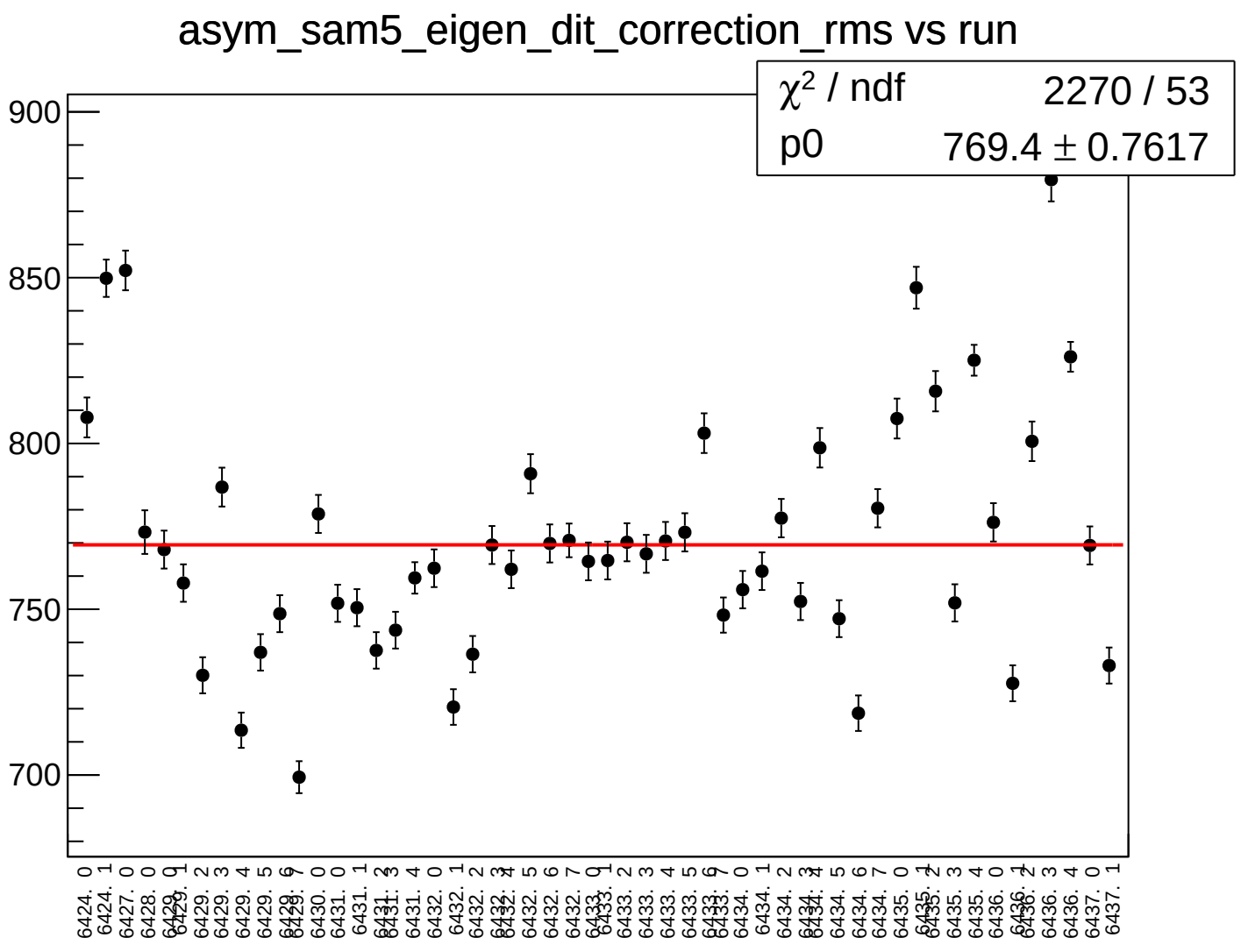

asym_sam5_dit_correction_rms vs run
χ² / ndf 2270 / 53
p0 769.4 ± 0.7617
900
850
800
750
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

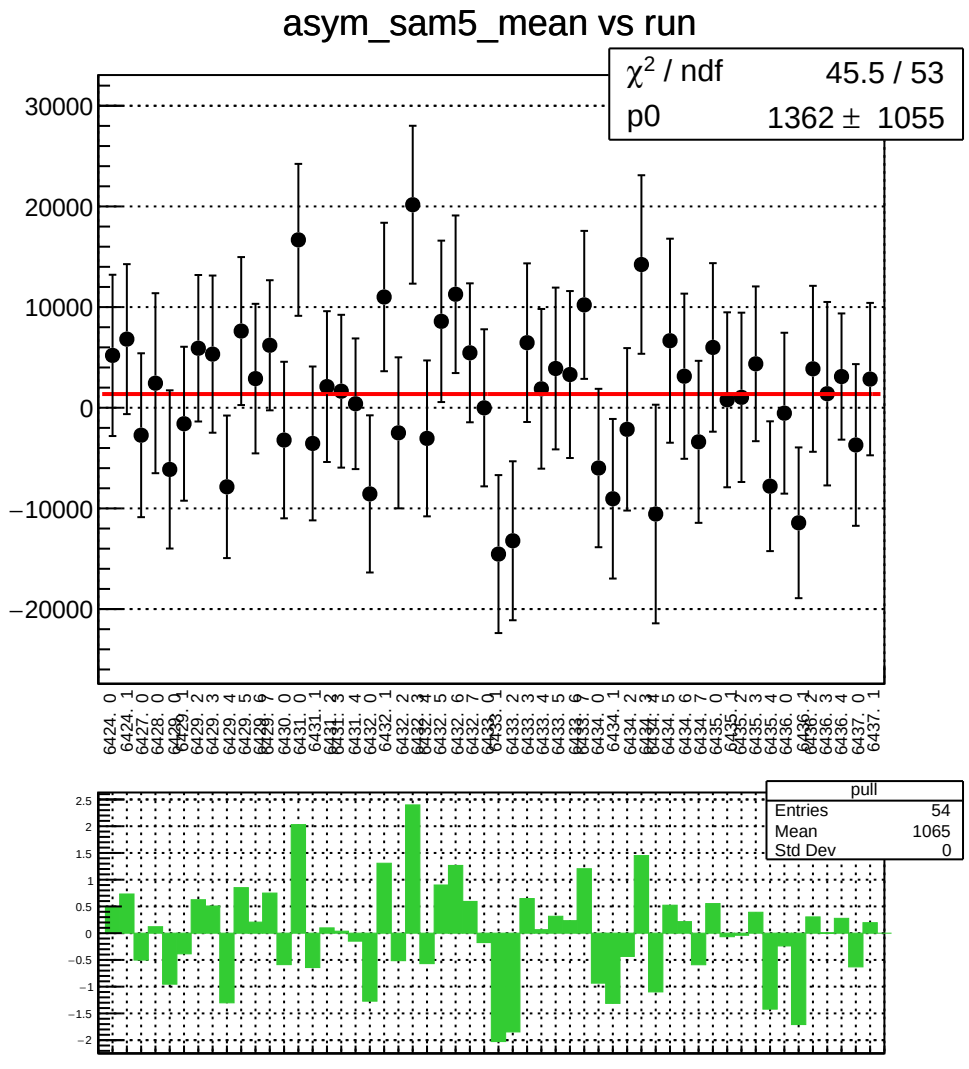

eigen_dit_asym_sam5_mean vs run
χ² / ndf 63.04 / 53
p0 −114.9 ± 176.7
pull
Entries 54
Mean 61.04
Std Dev 0
pull1D
Entries 54
Mean −0.01396
Std Dev 1.08

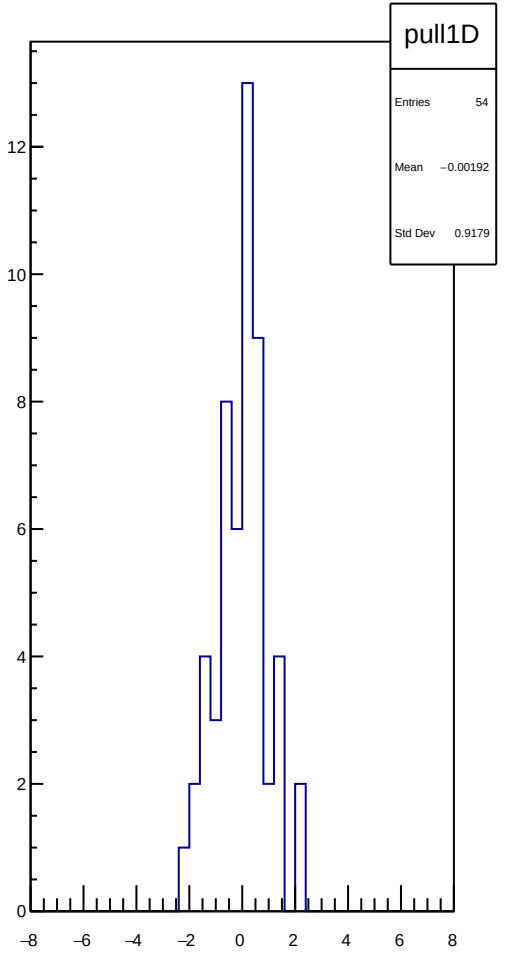

eigen_dit_asym_sam5_rms vs run
χ^2 / ndf 1.566e+04 / 53
p0 125.3 ± 0.1249
280
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

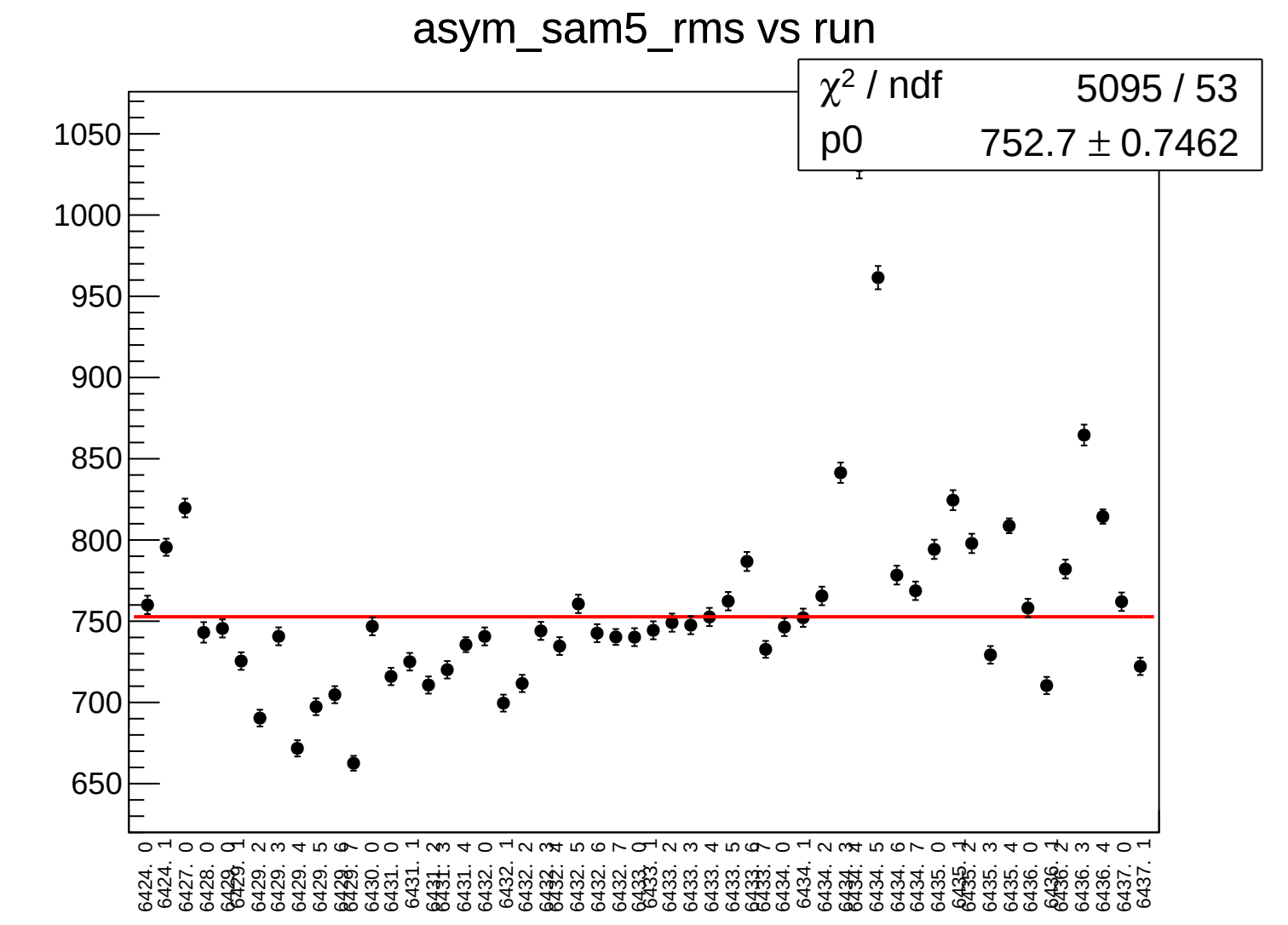

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 48.51 / 53
p0 −1484 ± 1077
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −5588
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

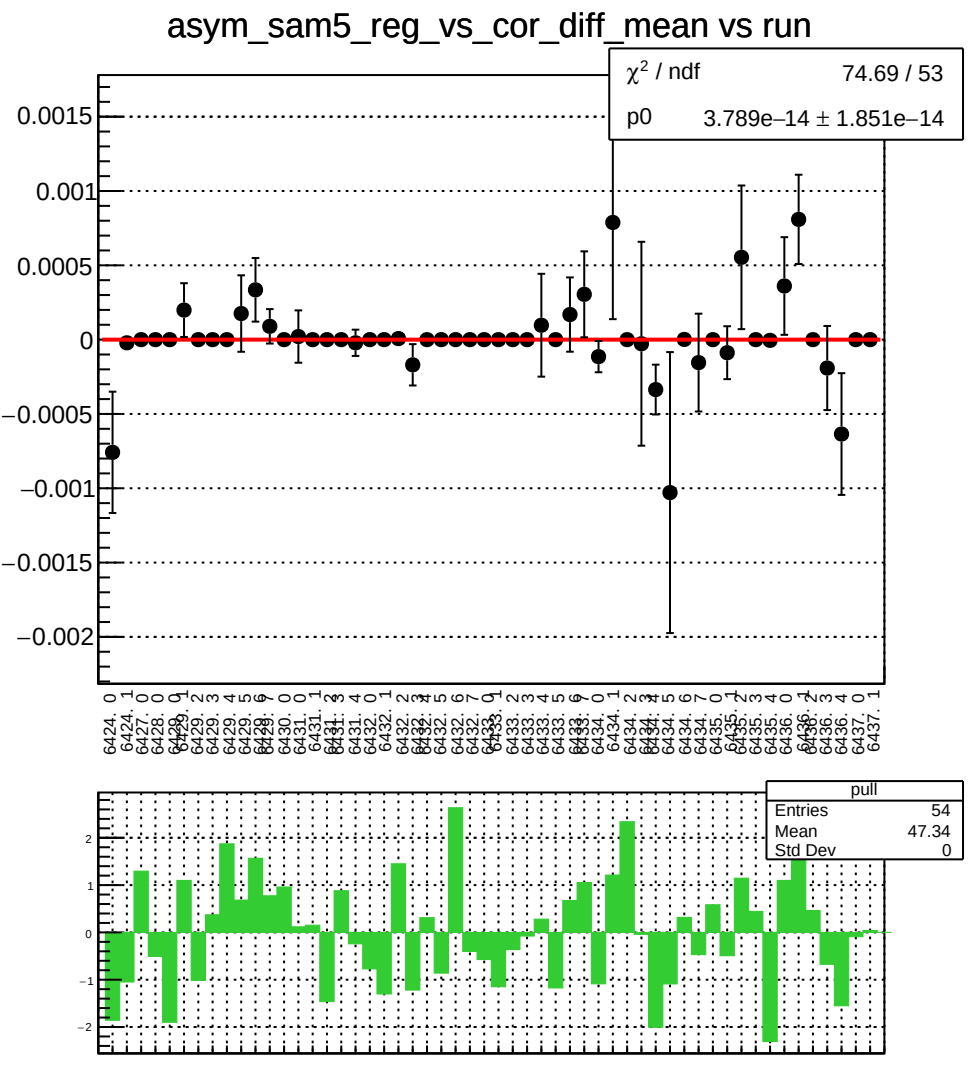

pull1D
Entries 54
Mean −0.0003186
Std Dev 0.9478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

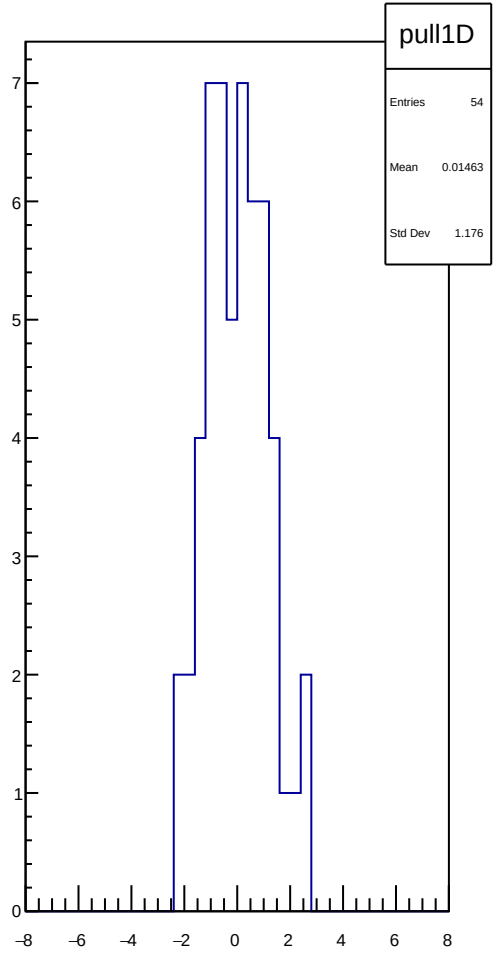

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2270 / 53
p0 769.4 ± 0.7617
900
850
800
750
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

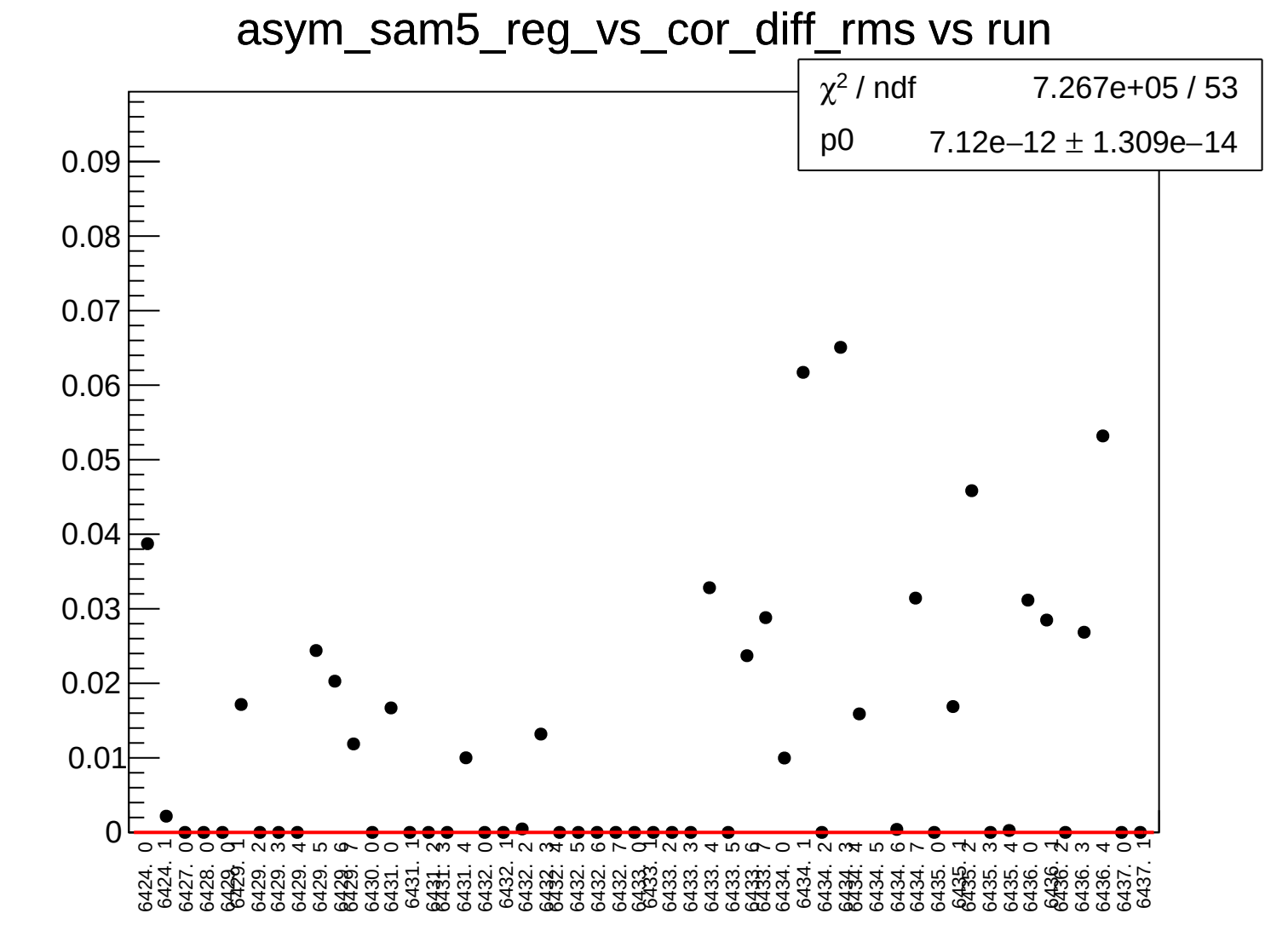

asym_sam5_mean vs run
χ² / ndf 45.5 / 53
p0 1362 ± 1055
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 1065
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

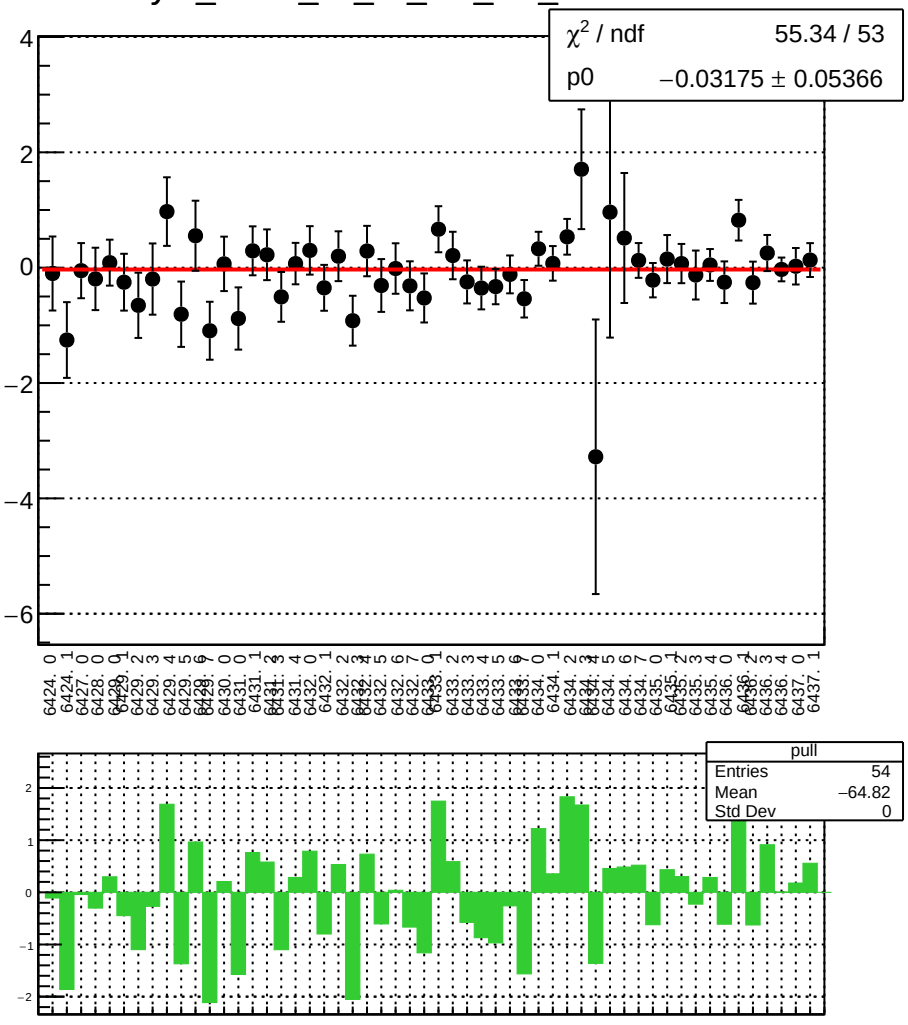

pull1D
Entries 54
Mean −0.00192
Std Dev 0.9179
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

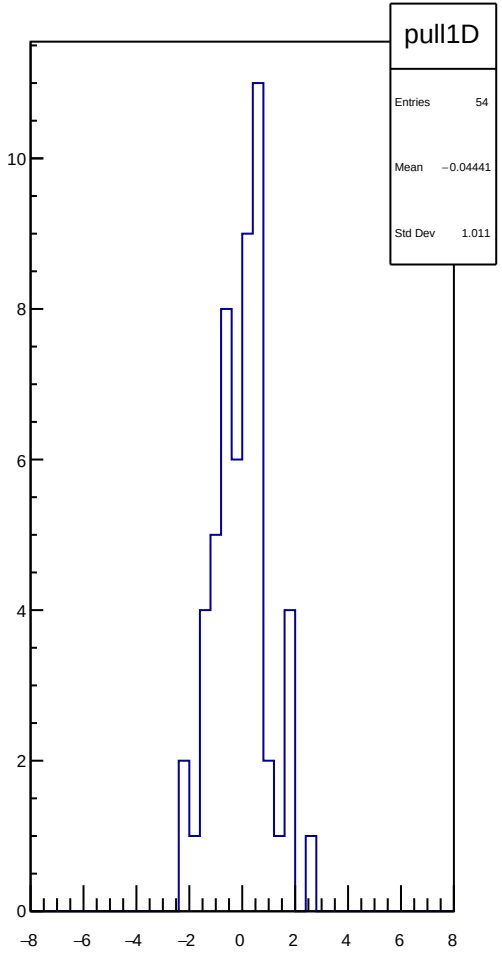

asym_sam5_rms vs run
χ² / ndf 5095 / 53
p0 752.7 ± 0.7462
1050
1000
950
900
850
800
750
700
650
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

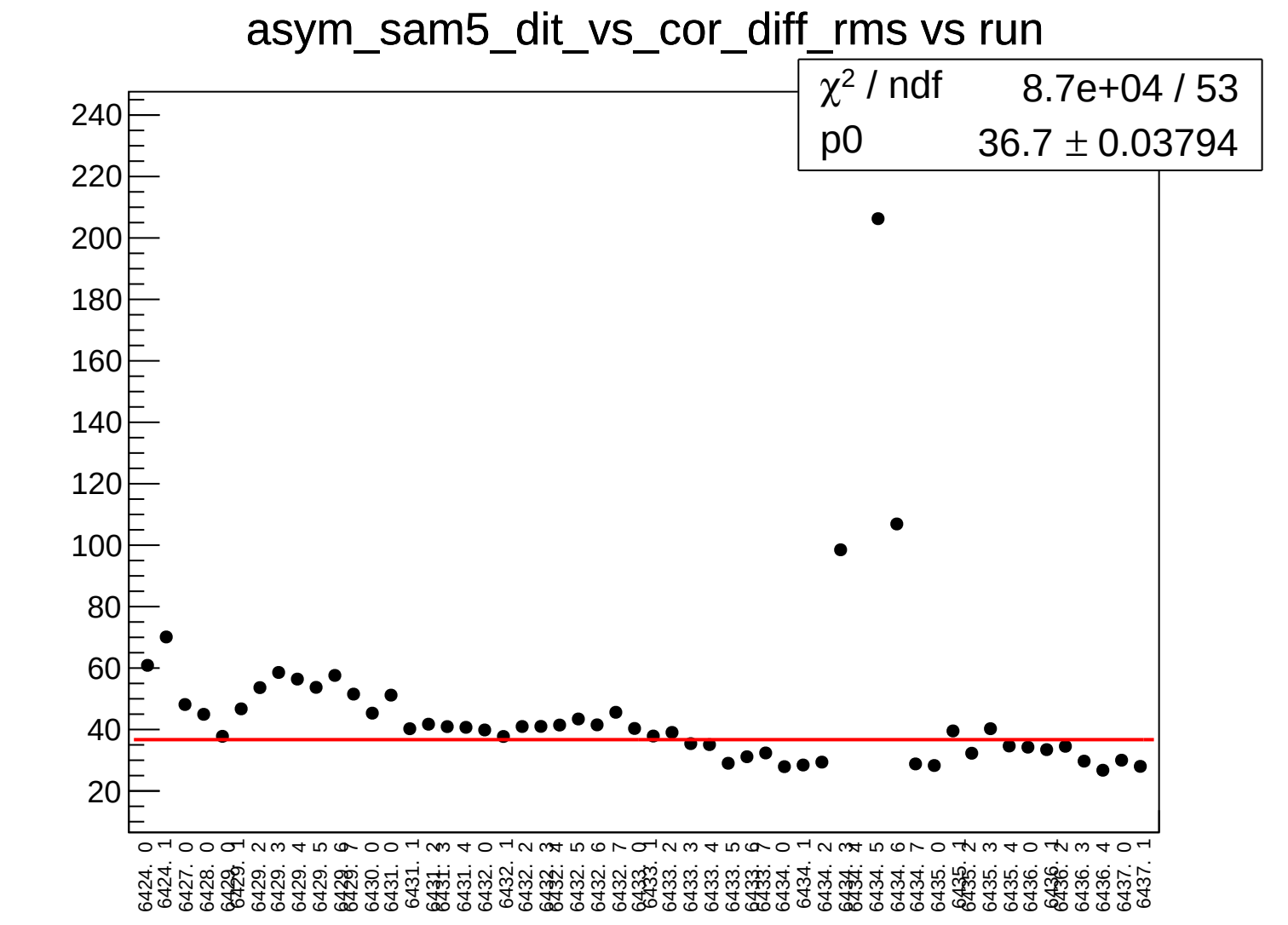

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 74.69 / 53
p0 3.789e−14 ± 1.851e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 54
Mean 47.34
Std Dev 0
2
1
0
−1
−2

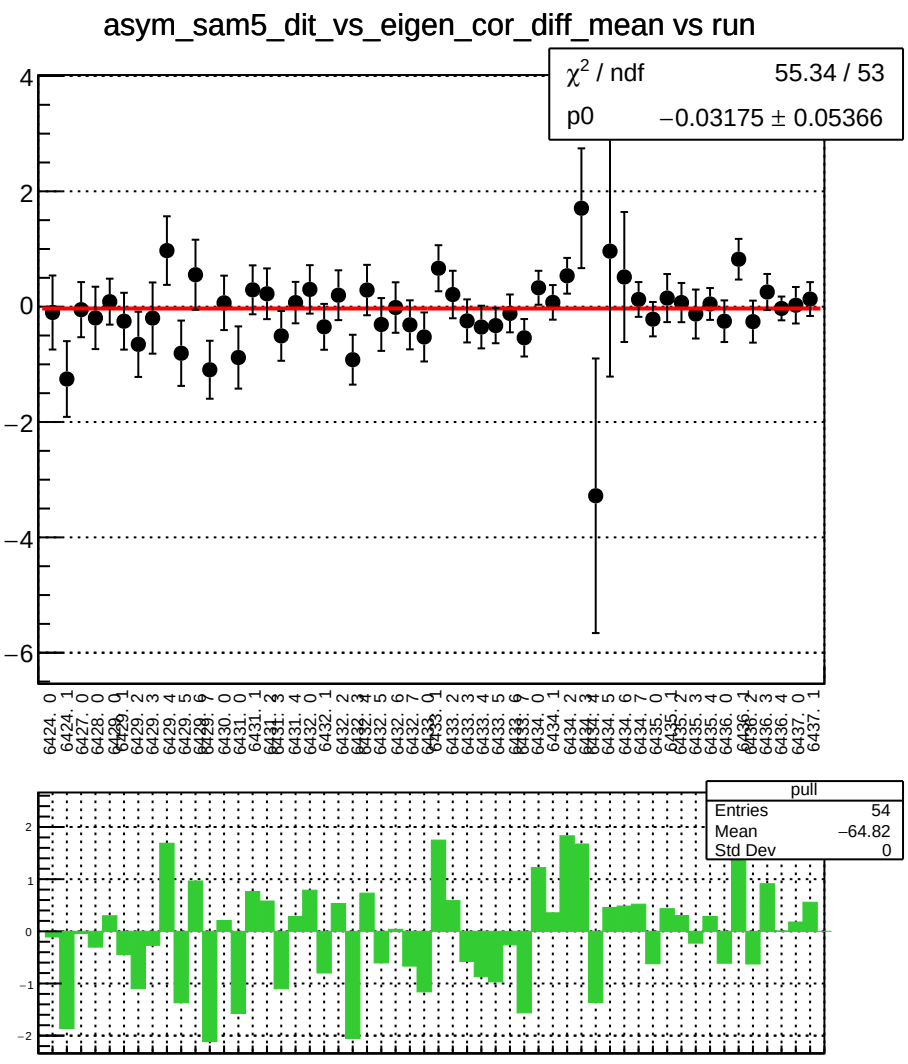

pull1D
Entries 54
Mean 0.01463
Std Dev 1.176
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

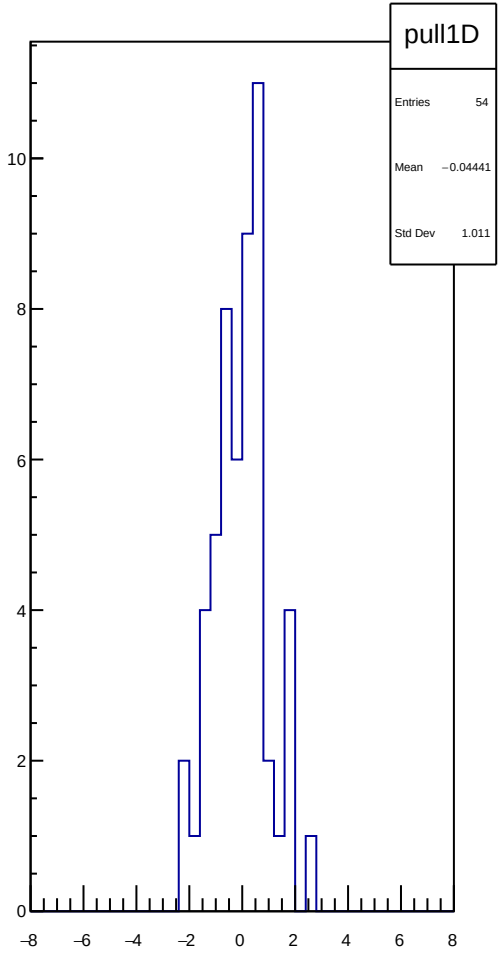

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 7.267e+05 / 53
p0 7.12e−12 ± 1.309e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

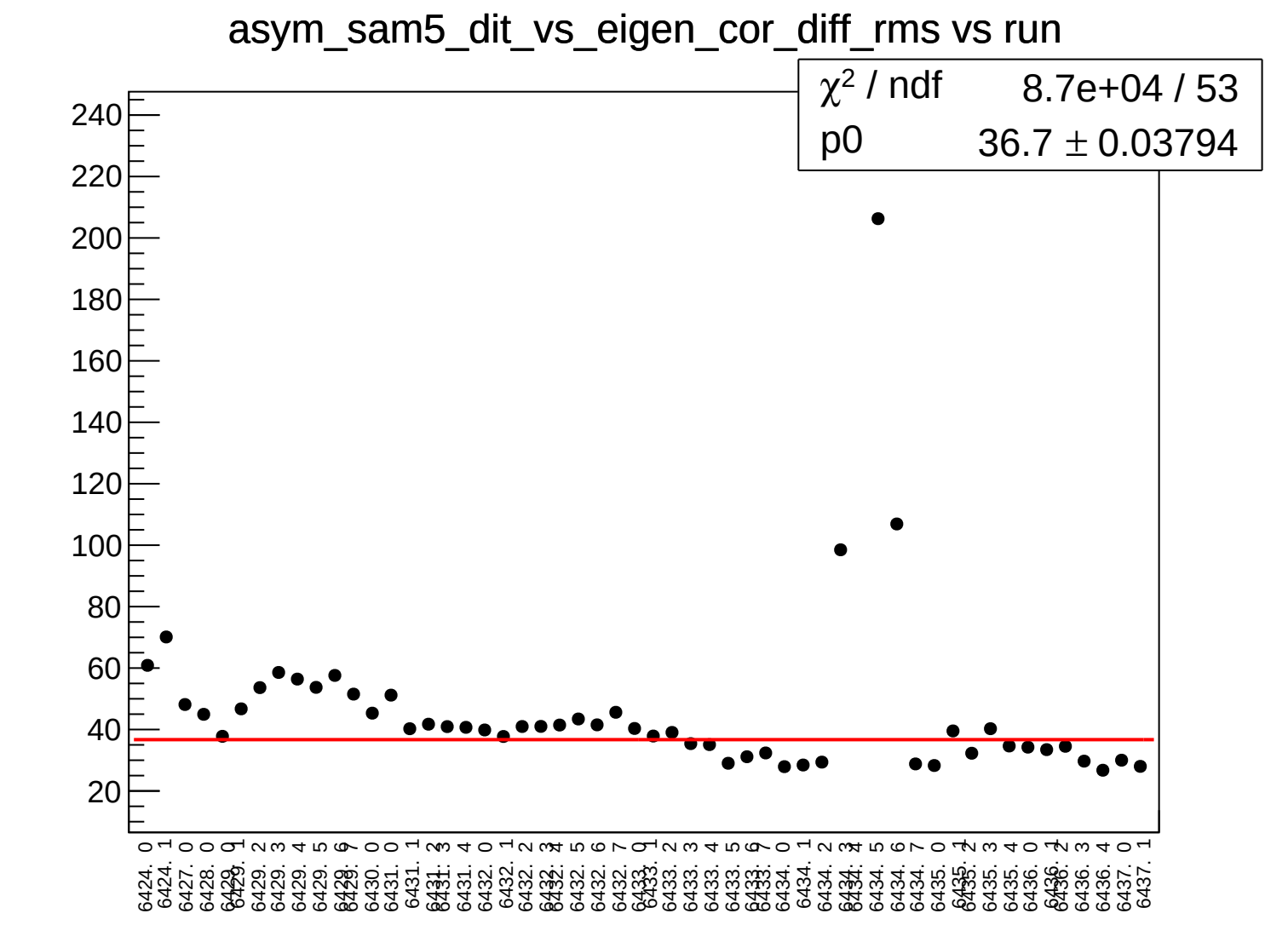

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 55.34 / 53
p0 −0.03175 ± 0.05366
pull
Entries 54
Mean −64.82
Std Dev 0

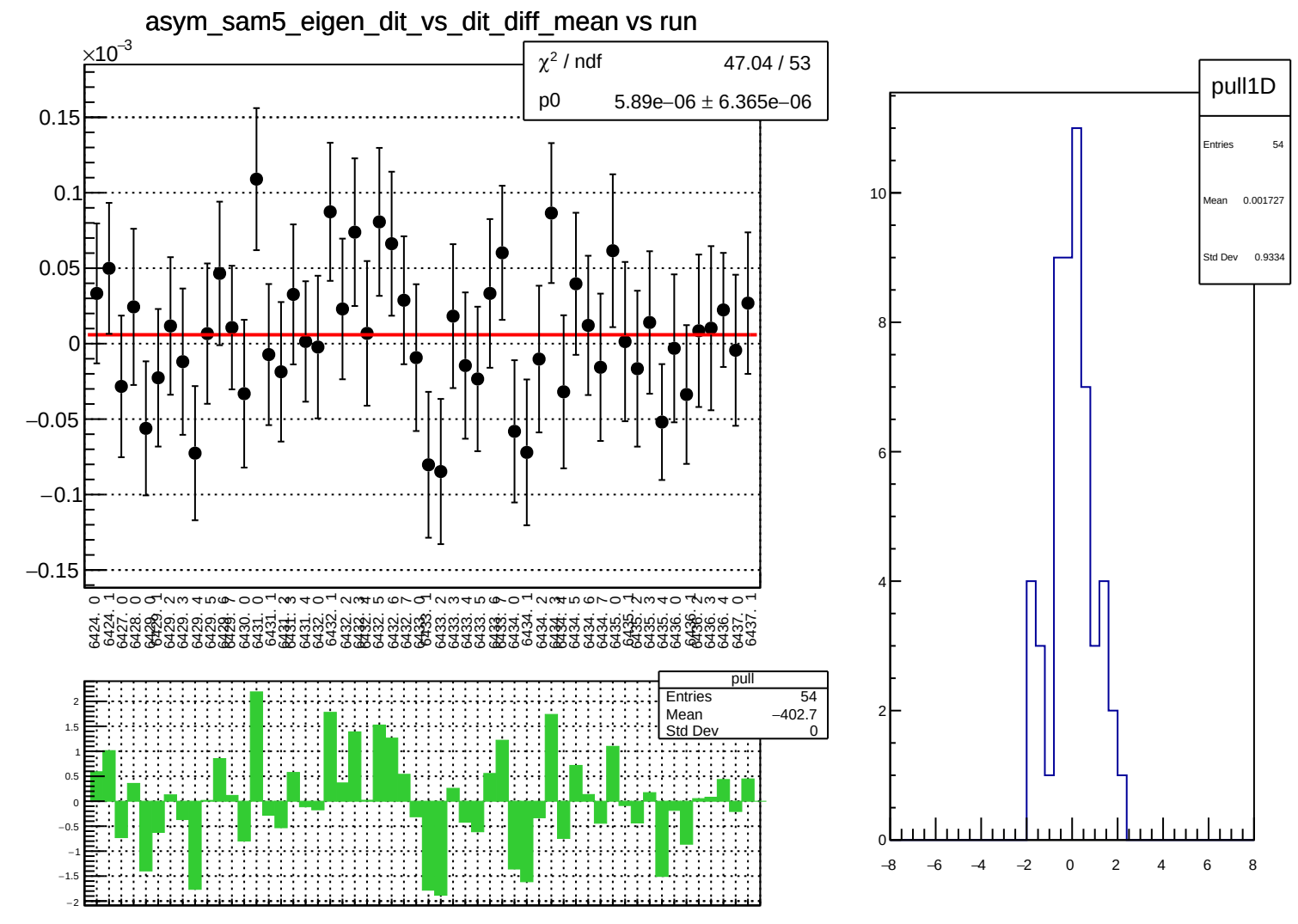

pull1D
Entries 54
Mean −0.04441
Std Dev 1.011

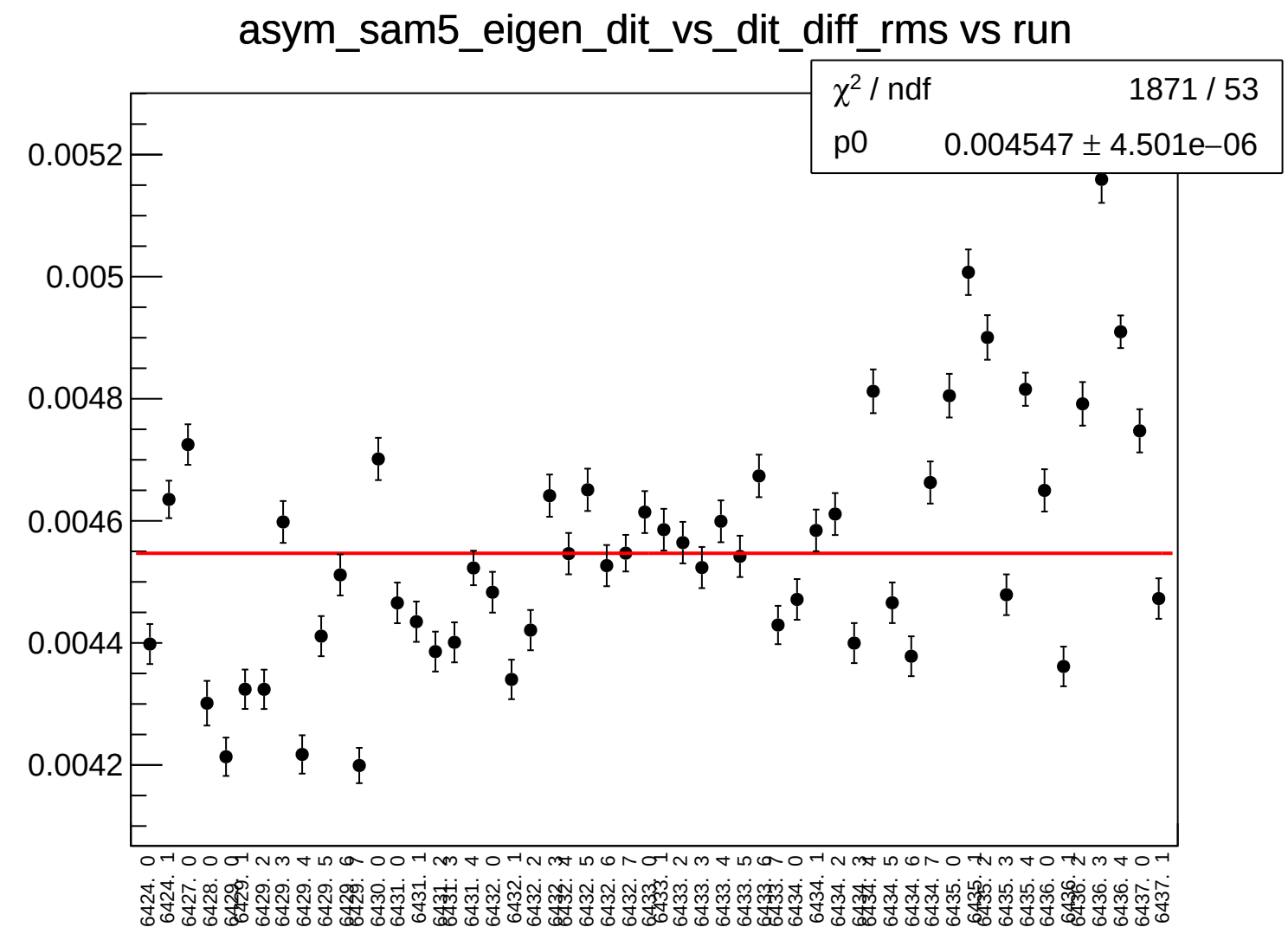

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 8.7e+04 / 53
p0 36.7 ± 0.03794
240
220
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

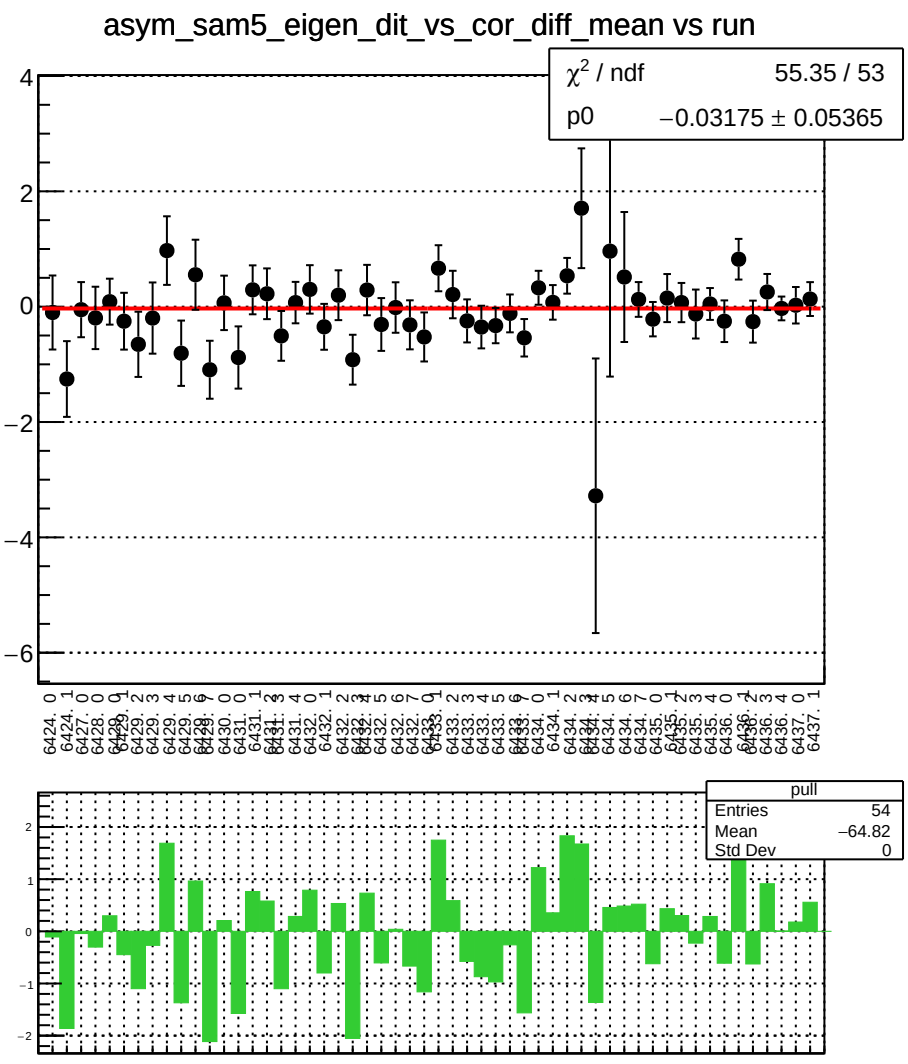

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.34 / 53
p0 −0.03175 ± 0.05366
pull
Entries 54
Mean −64.82
Std Dev 0

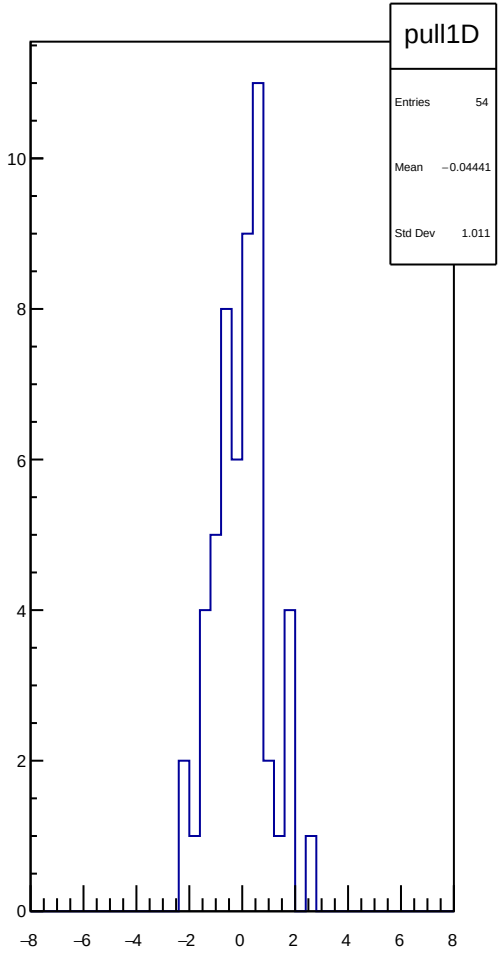

pull1D
Entries 54
Mean −0.04441
Std Dev 1.011

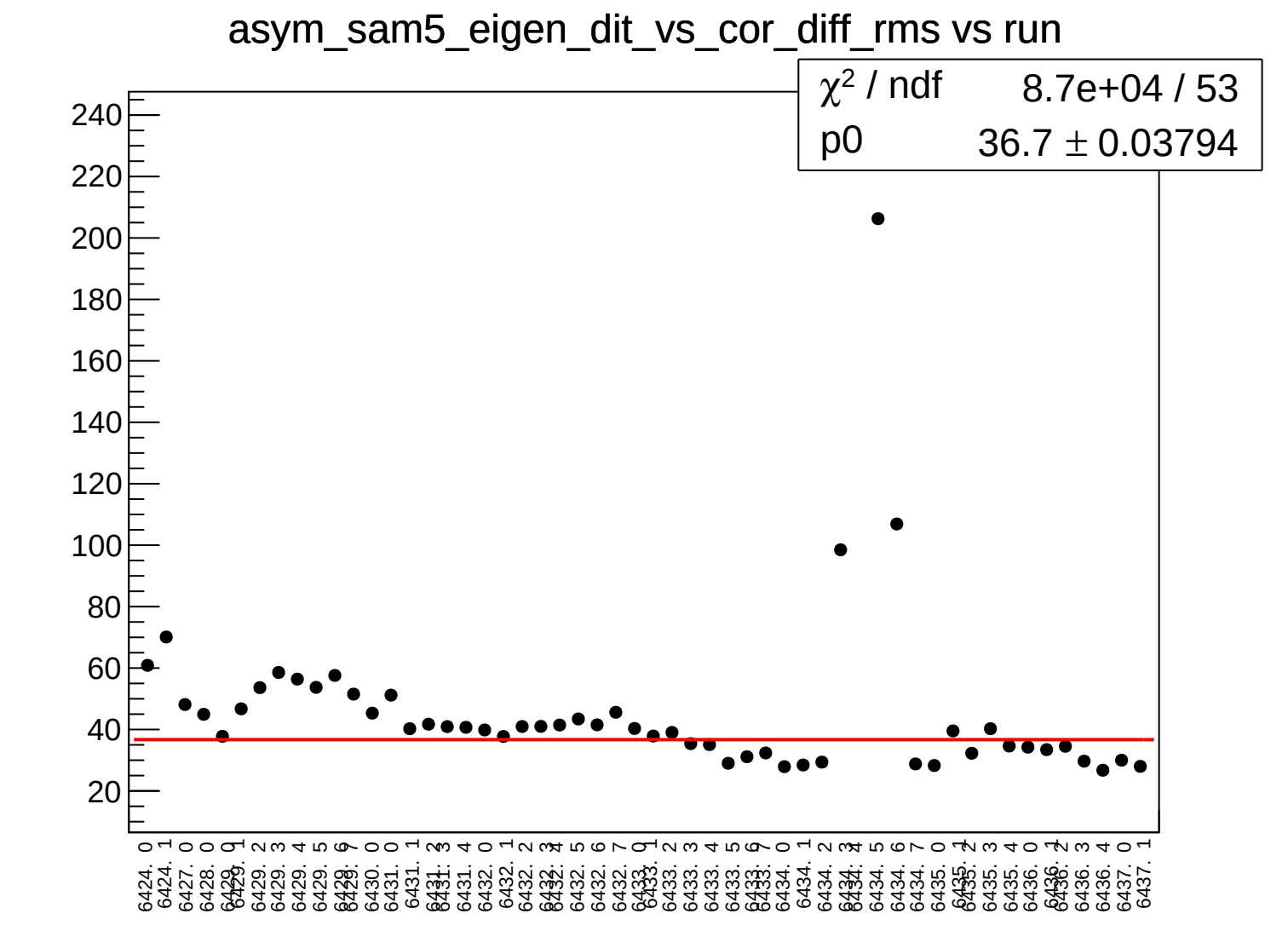

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.7e+04 / 53
p0 36.7 ± 0.03794
240
220
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

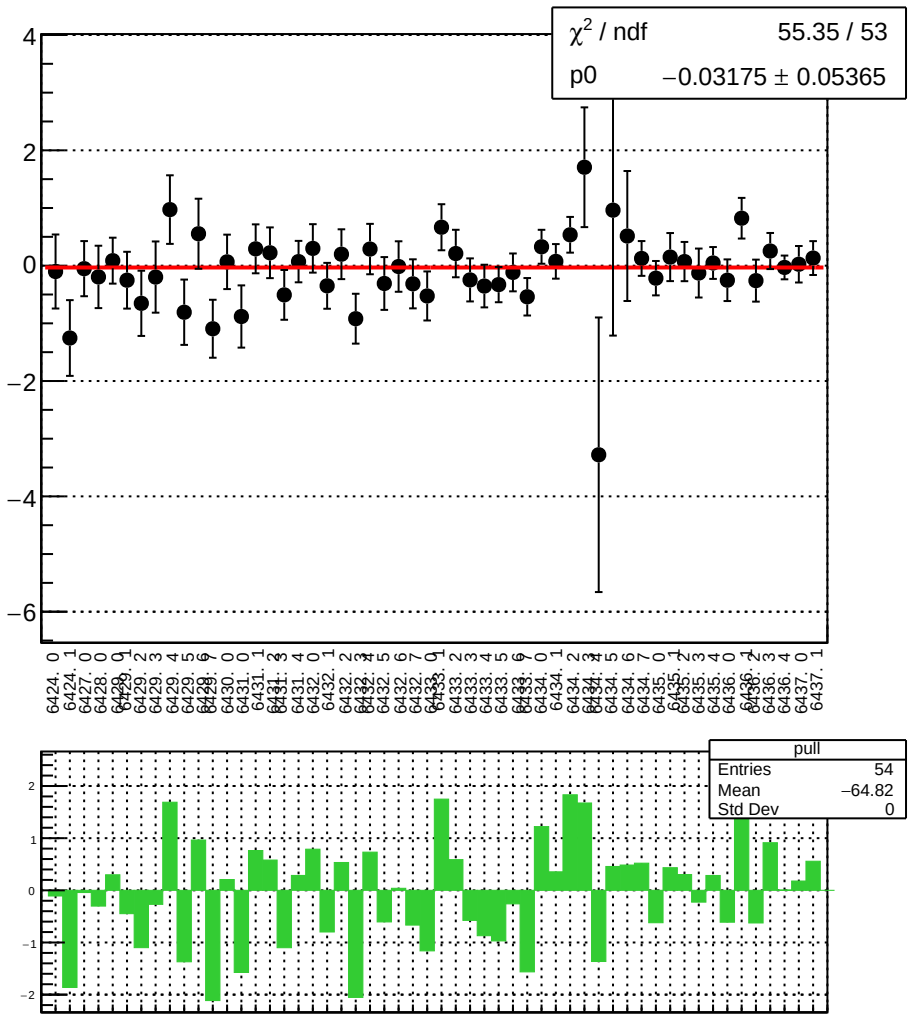

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.04 / 53
p0 5.89e−06 ± 6.365e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 54
Mean −402.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.001727
Std Dev 0.9334
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

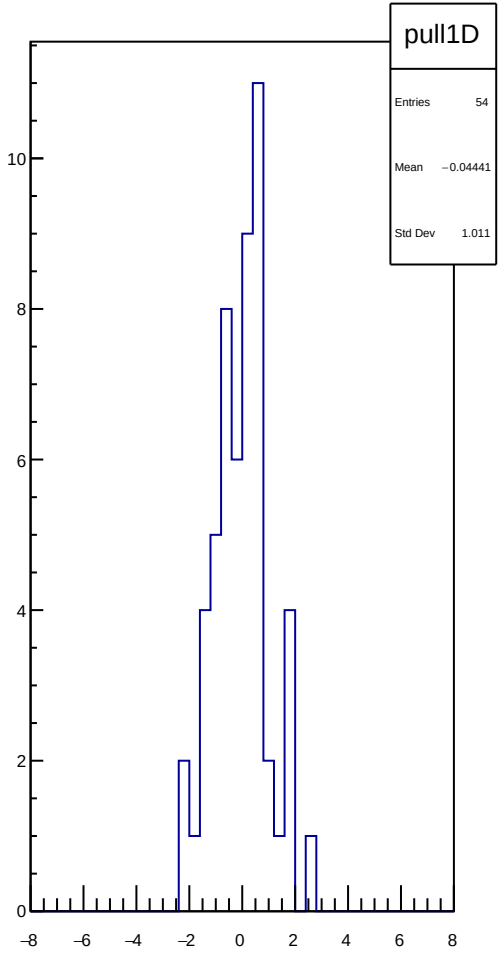

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1871 / 53
p0 0.004547 ± 4.501e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

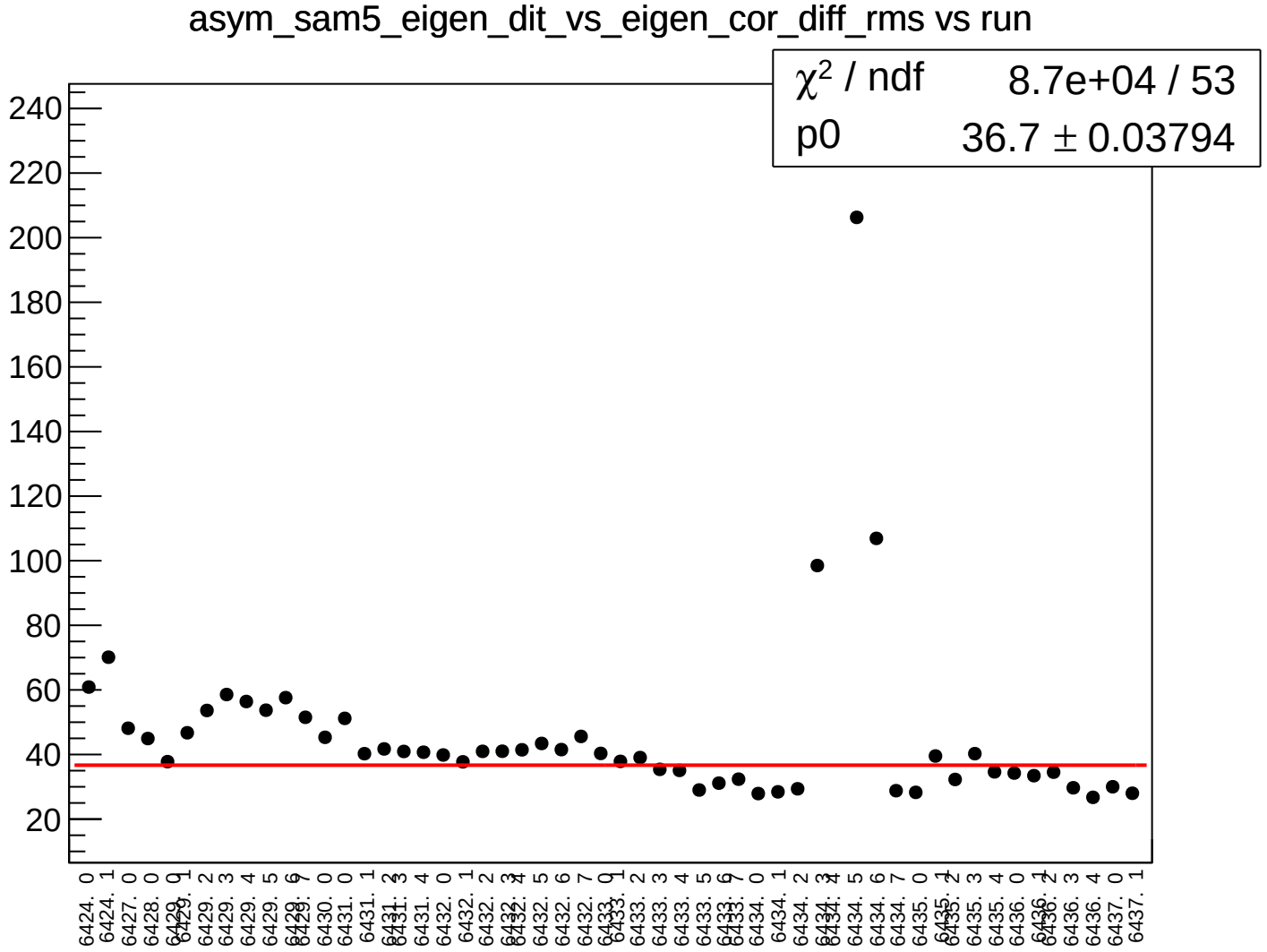

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.35 / 53
p0 −0.03175 ± 0.05365
pull
Entries 54
Mean −64.82
Std Dev 0

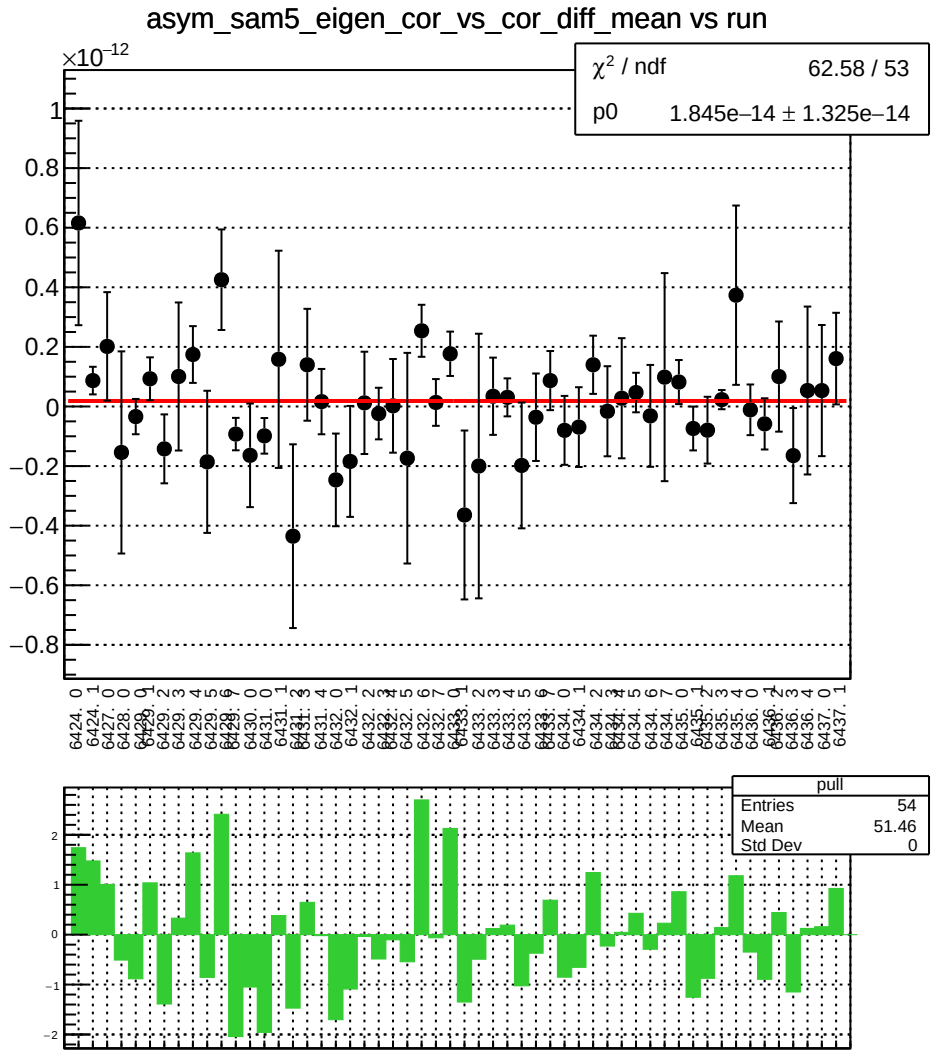

pull1D
Entries 54
Mean −0.04441
Std Dev 1.011

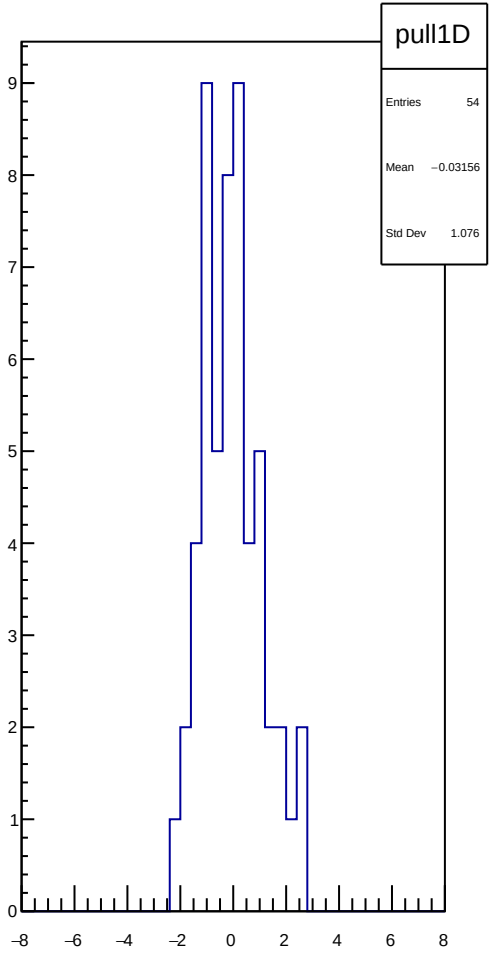

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.7e+04 / 53
p0 36.7 ± 0.03794
240
220
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

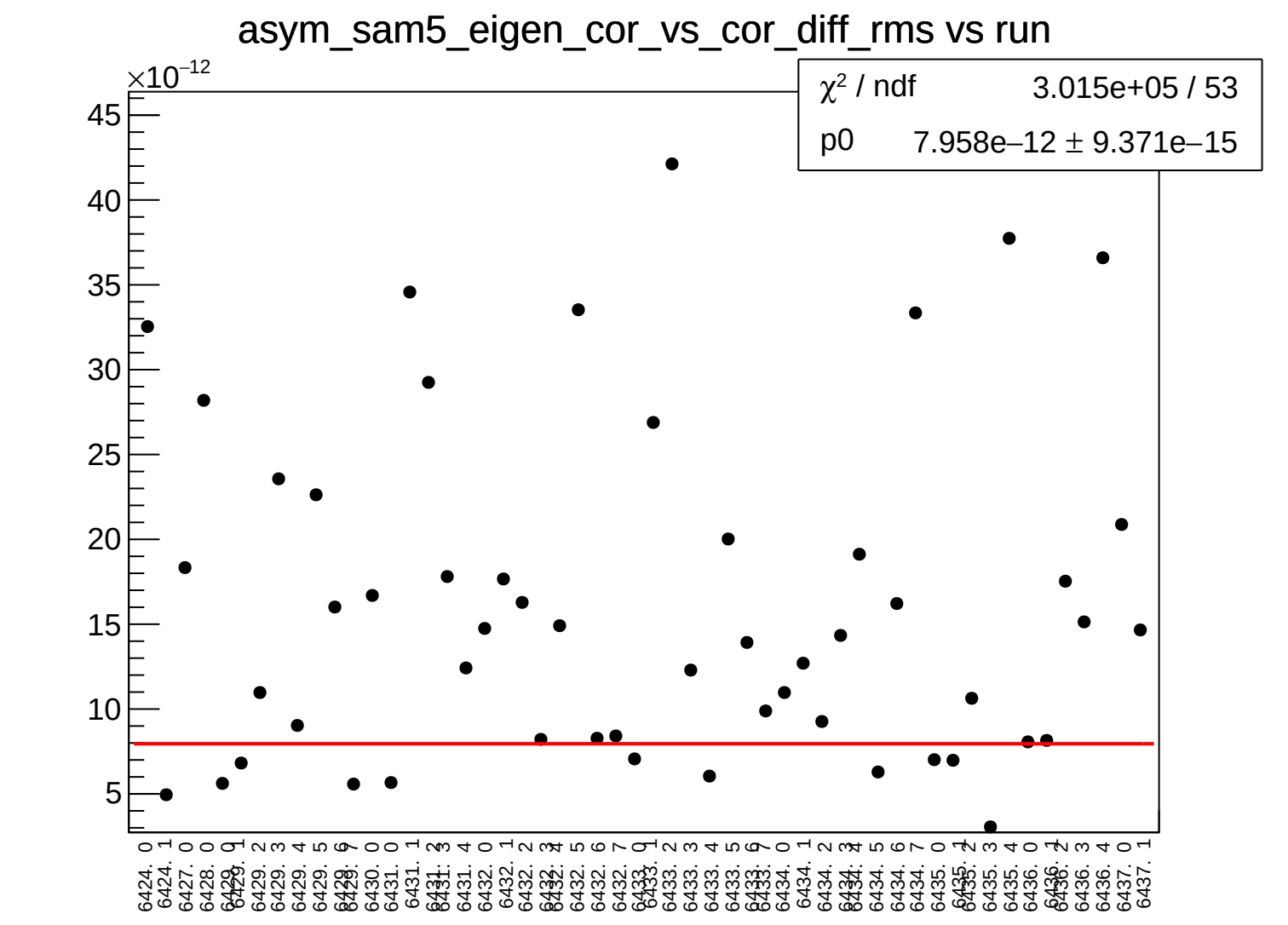

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.35 / 53
p0 −0.03175 ± 0.05365
pull
Entries 54
Mean −64.82
Std Dev 0

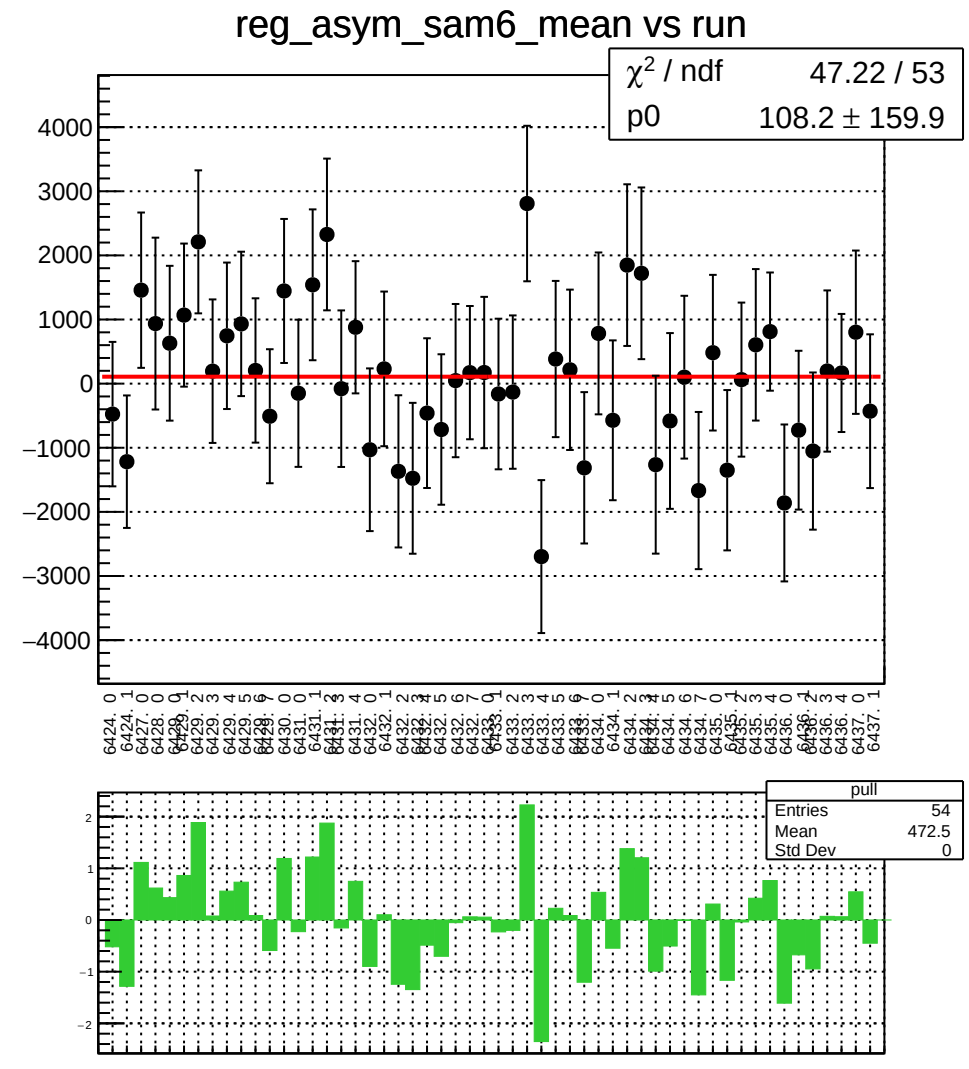

pull1D
Entries 54
Mean −0.04441
Std Dev 1.011

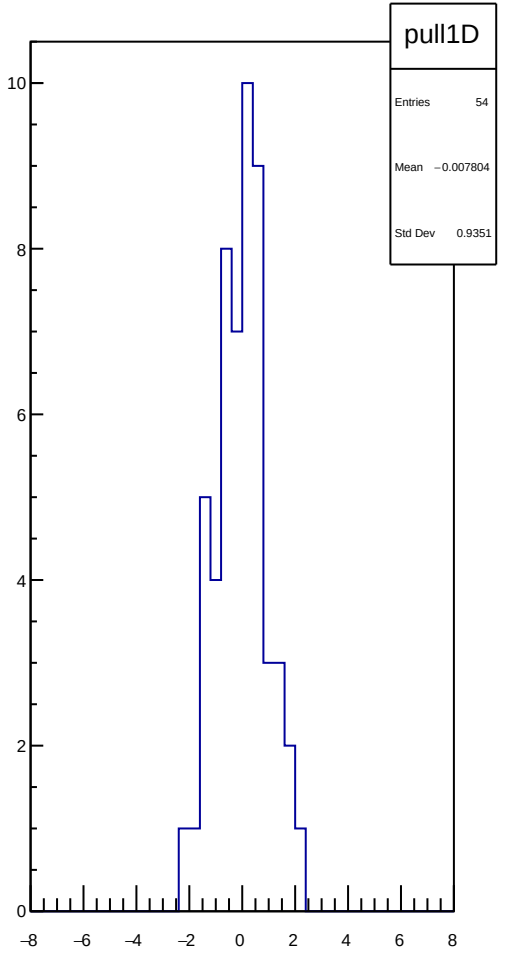

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.7e+04 / 53
p0 36.7 ± 0.03794
240
220
200
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

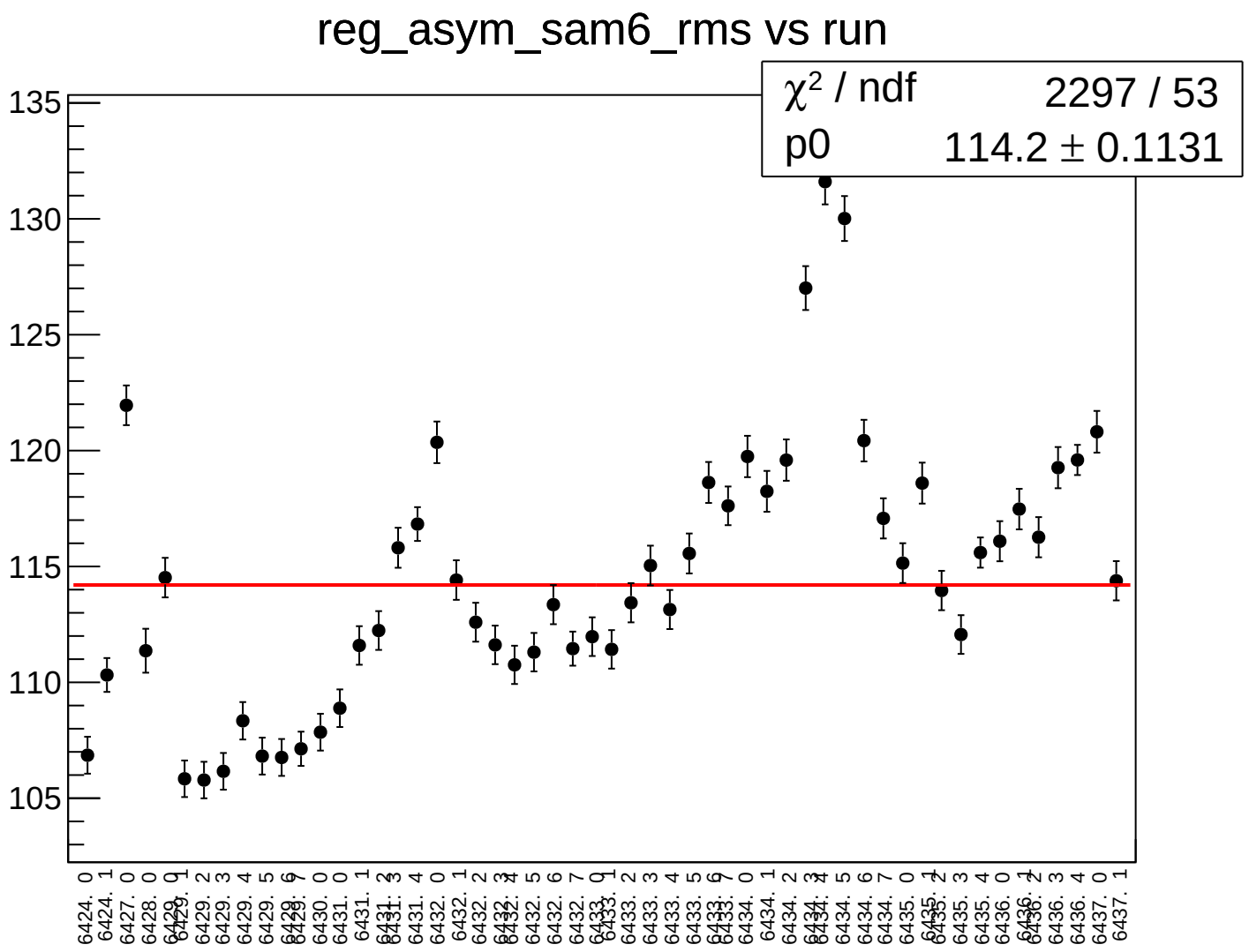

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.58 / 53
p0 1.845e−14 ± 1.325e−14
pull
Entries 54
Mean 51.46
Std Dev 0

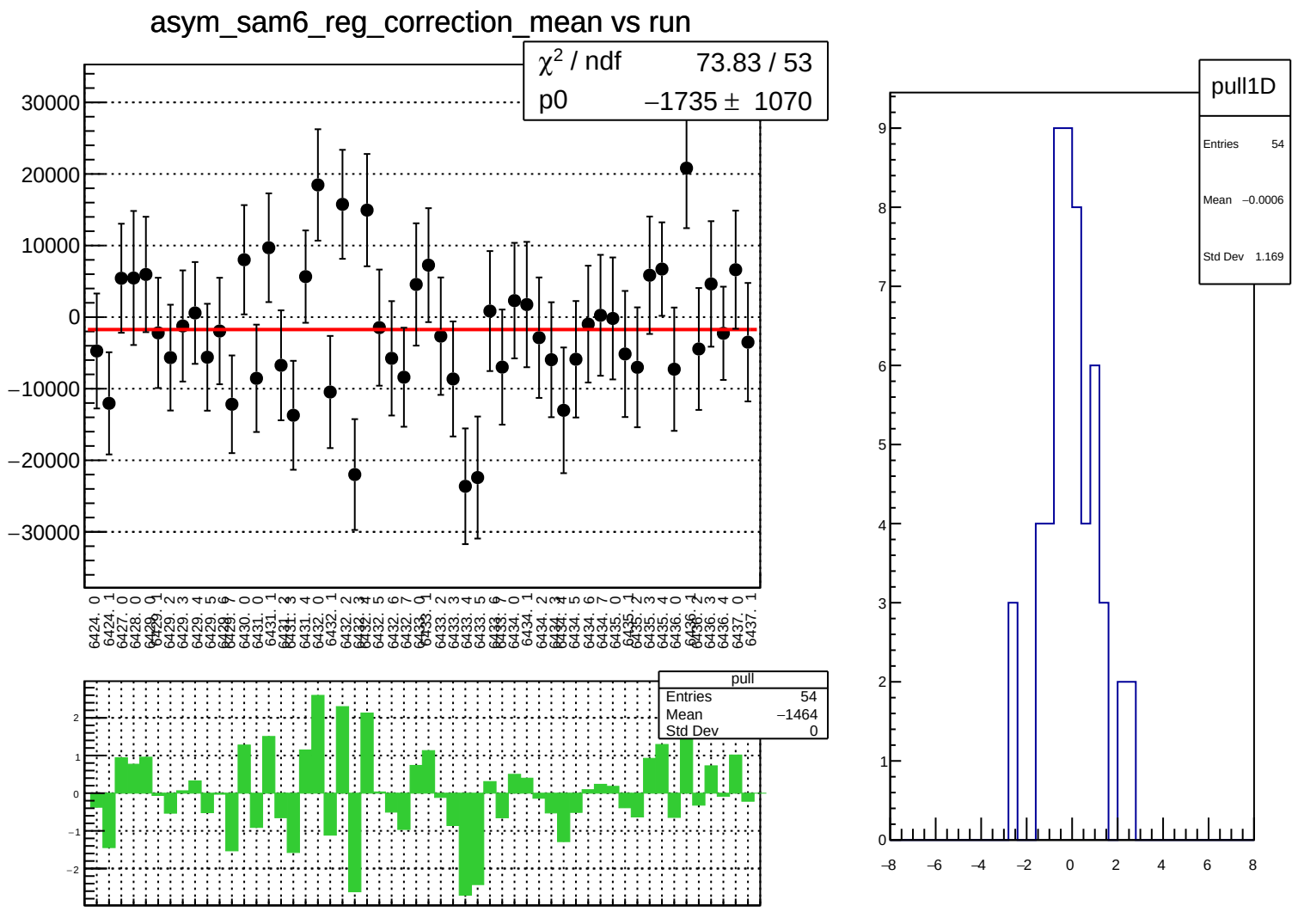

pull1D
Entries 54
Mean −0.03156
Std Dev 1.076

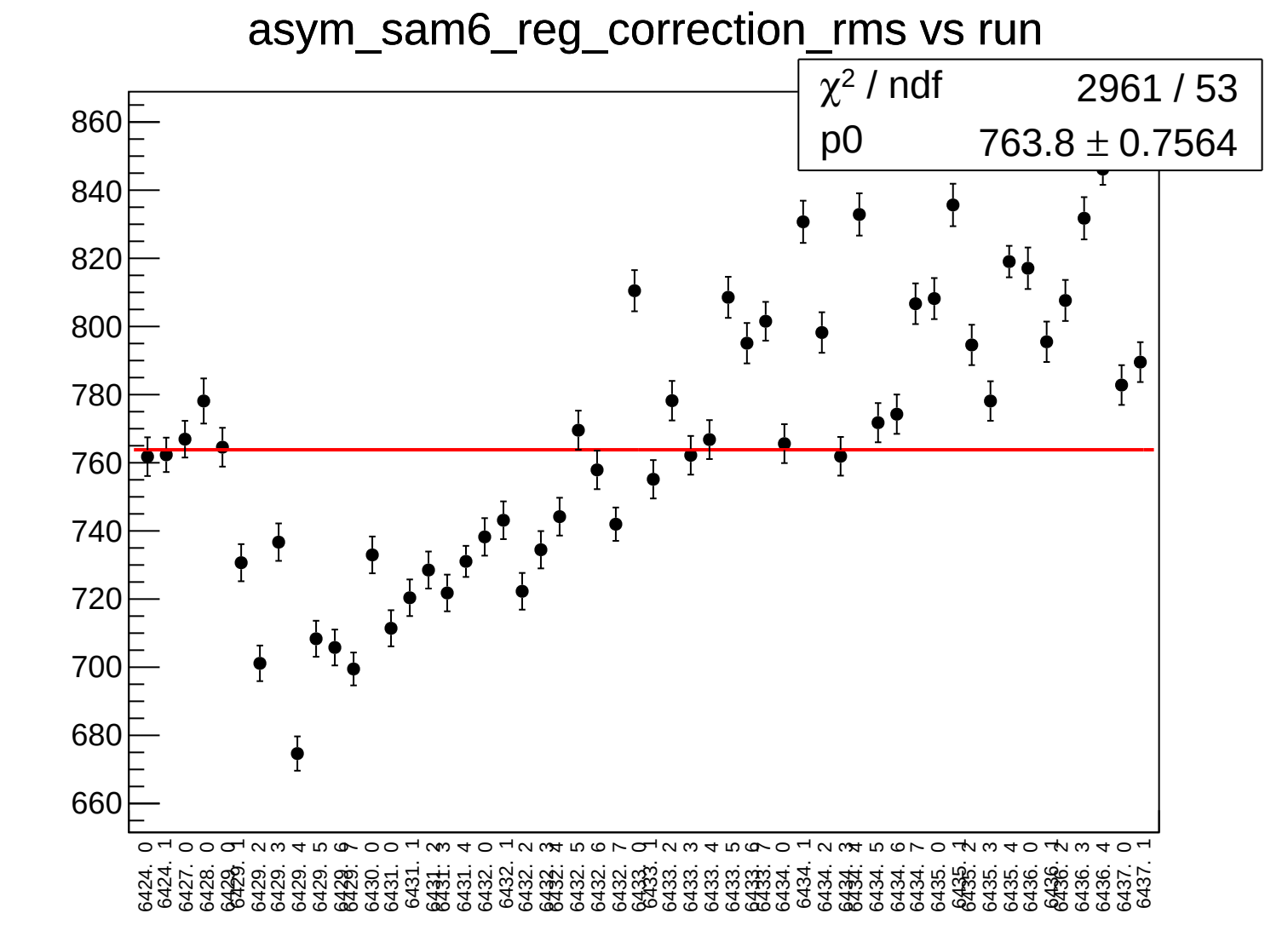

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.015e+05 / 53
p0 7.958e−12 ± 9.371e−15
45
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

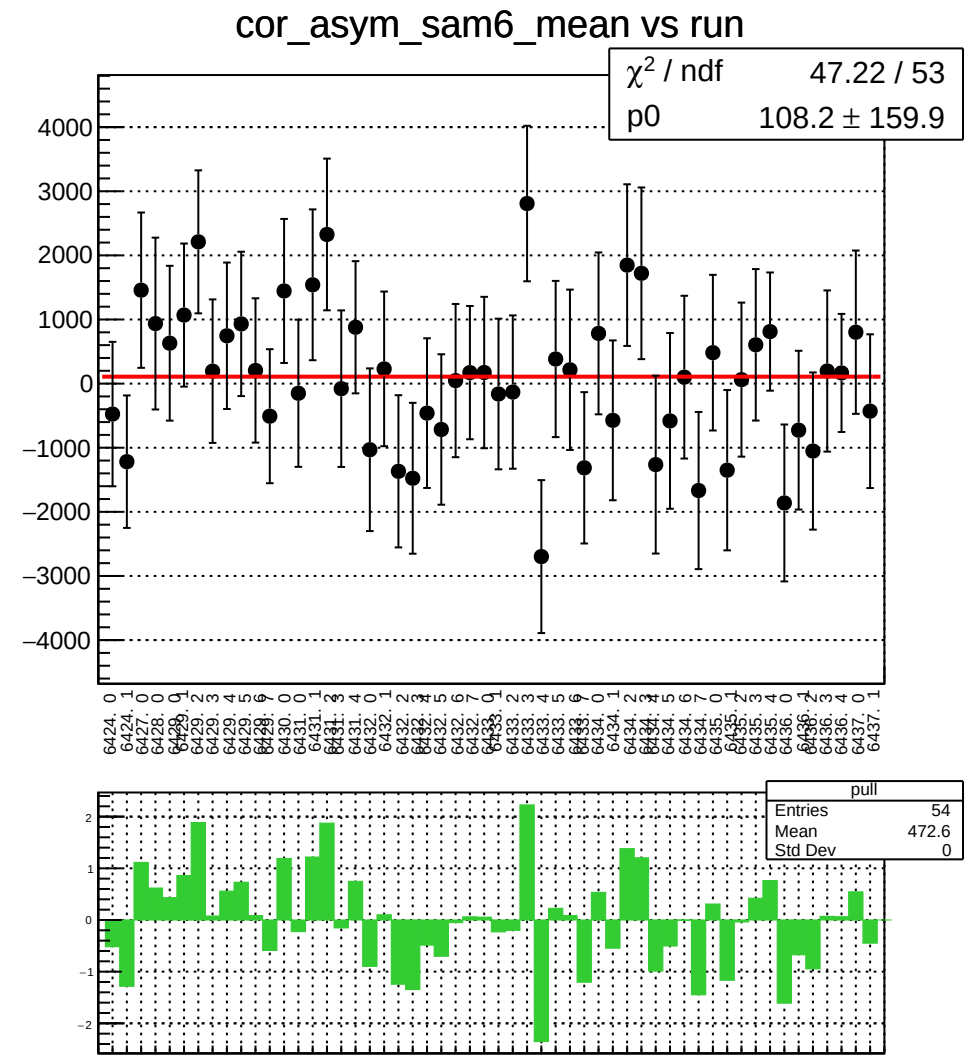

reg_asym_sam6_mean vs run
χ² / ndf 47.22 / 53
p0 108.2 ± 159.9
pull
Entries 54
Mean 472.5
Std Dev 0

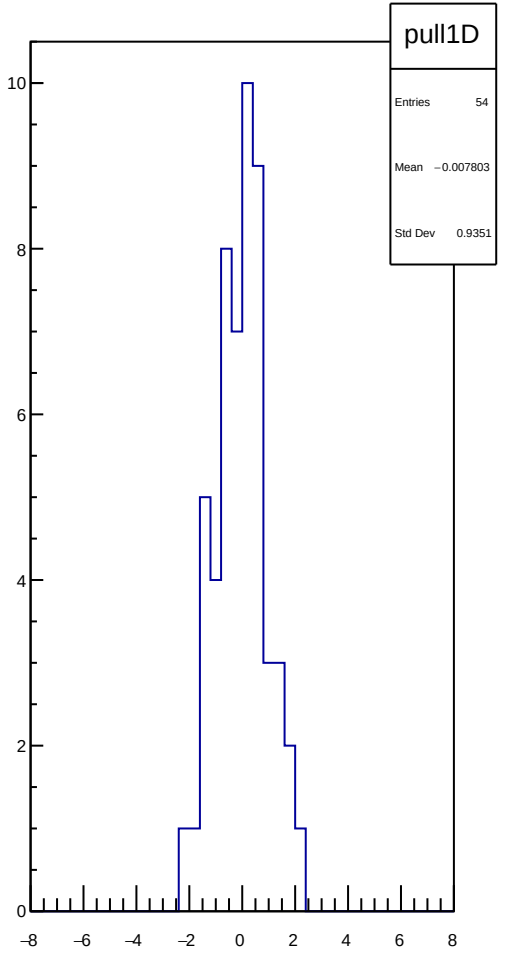

pull1D
Entries 54
Mean −0.007804
Std Dev 0.9351

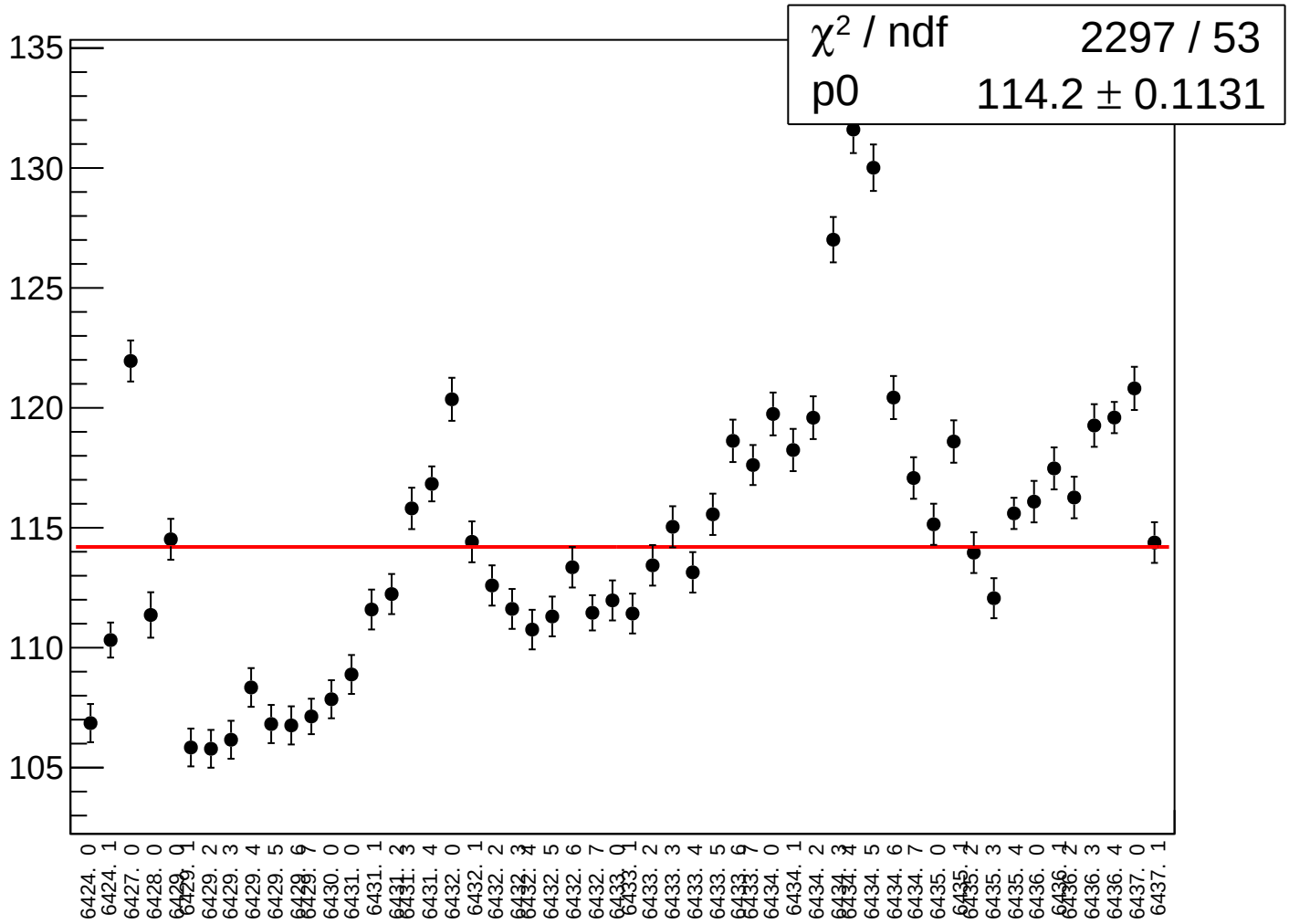

reg_asym_sam6_rms vs run
χ² / ndf 2297 / 53
p0 114.2 ± 0.1131
135
130
125
120
115
110
105
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

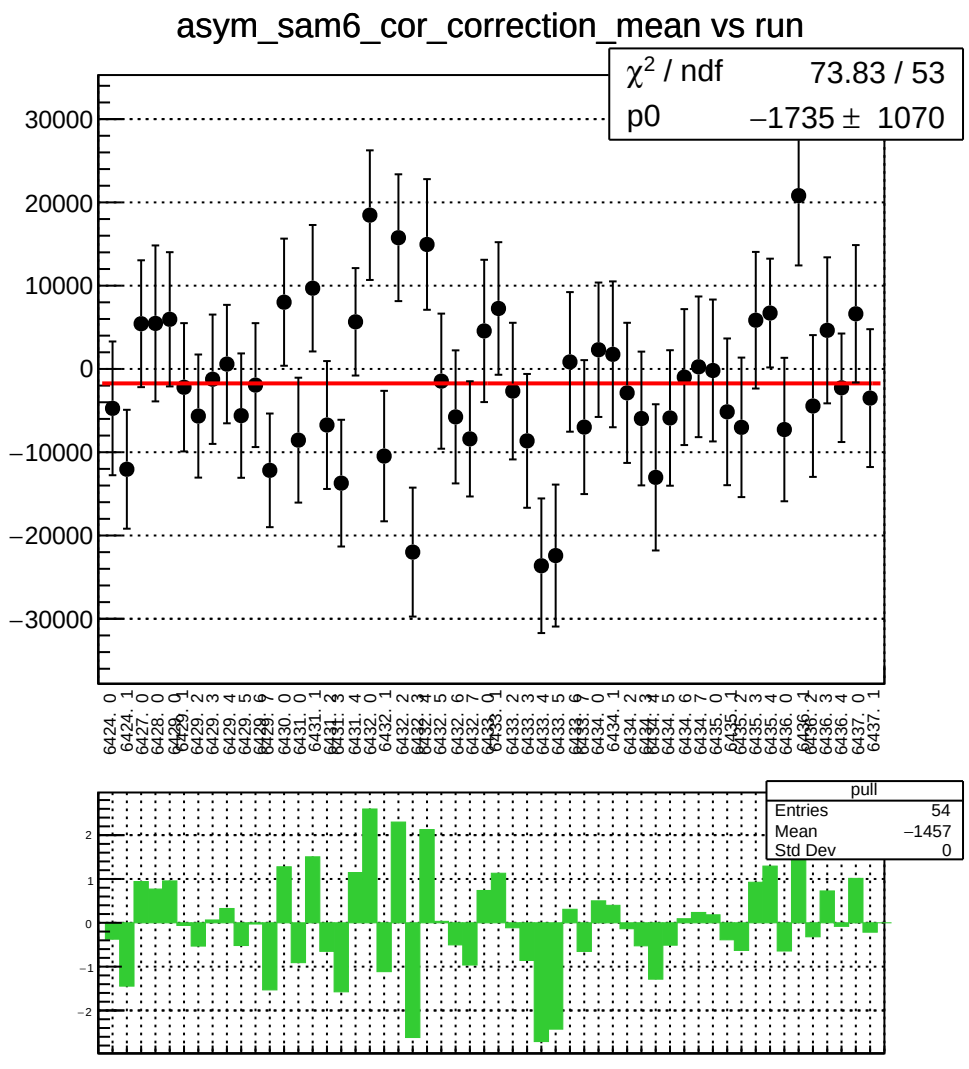

asym_sam6_reg_correction_mean vs run
χ² / ndf 73.83 / 53
p0 −1735 ± 1070
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −1464
Std Dev 0
pull1D
Entries 54
Mean −0.0006
Std Dev 1.169

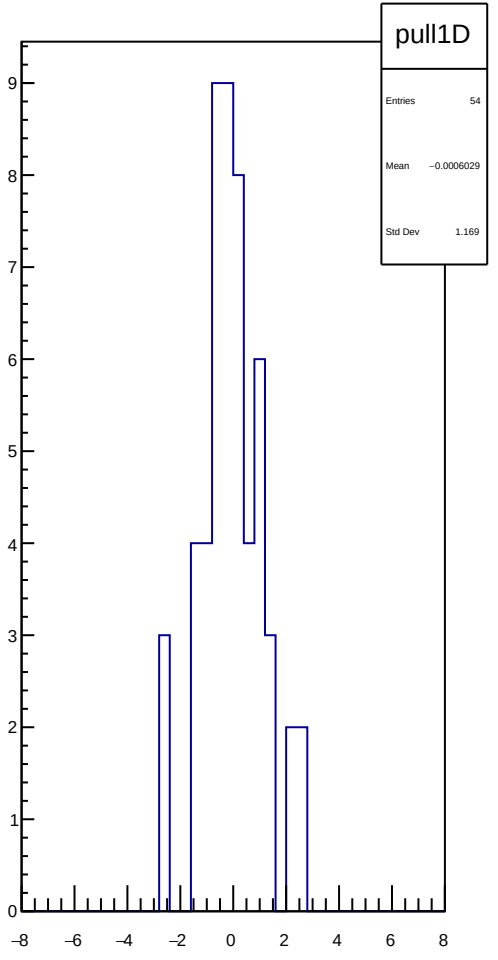

asym_sam6_reg_correction_rms vs run
χ² / ndf 2961 / 53
p0 763.8 ± 0.7564
860
840
820
800
780
760
740
720
700
680
660
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

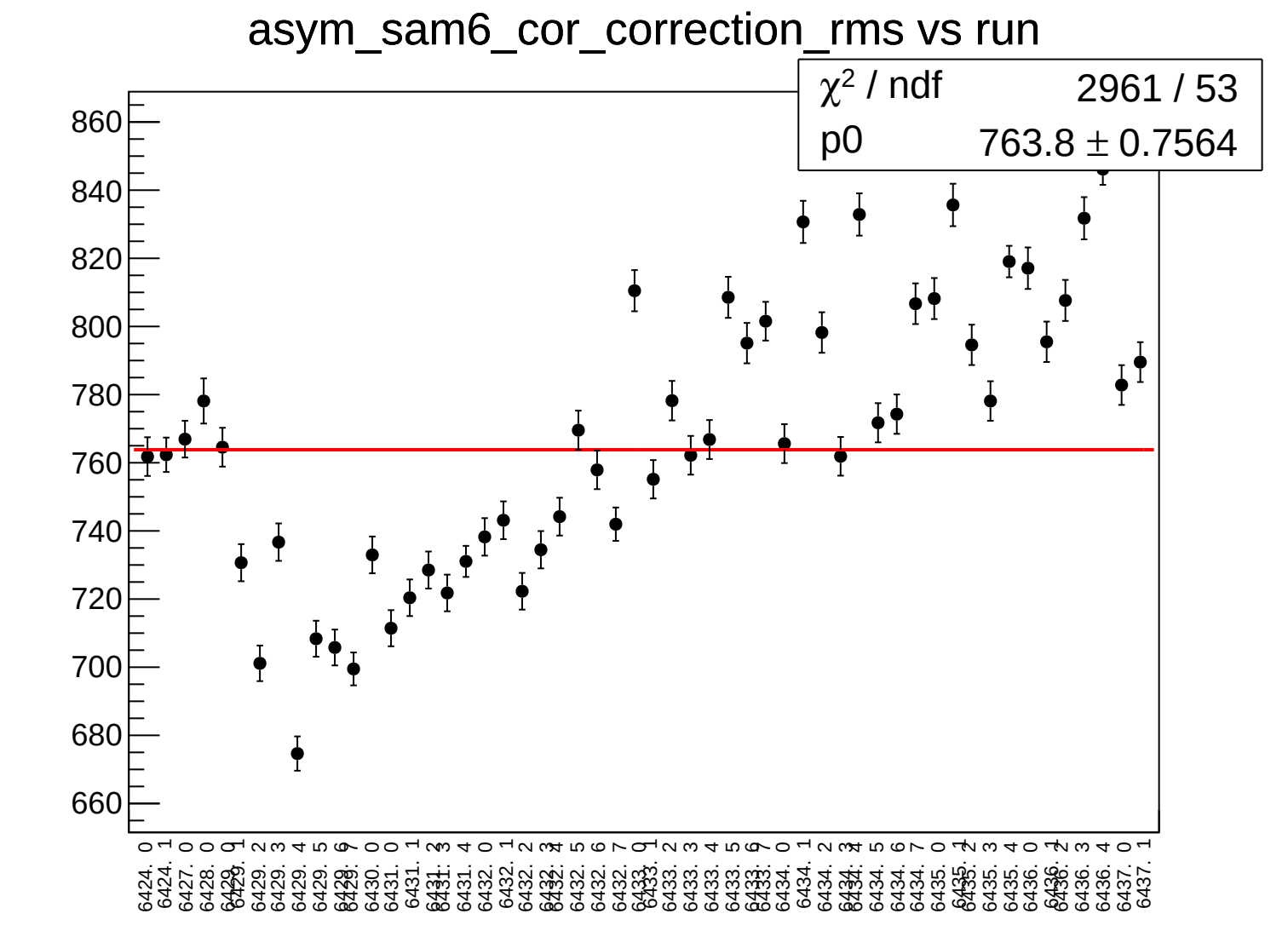

cor_asym_sam6_mean vs run
χ² / ndf 47.22 / 53
p0 108.2 ± 159.9
pull
Entries 54
Mean 472.6
Std Dev 0

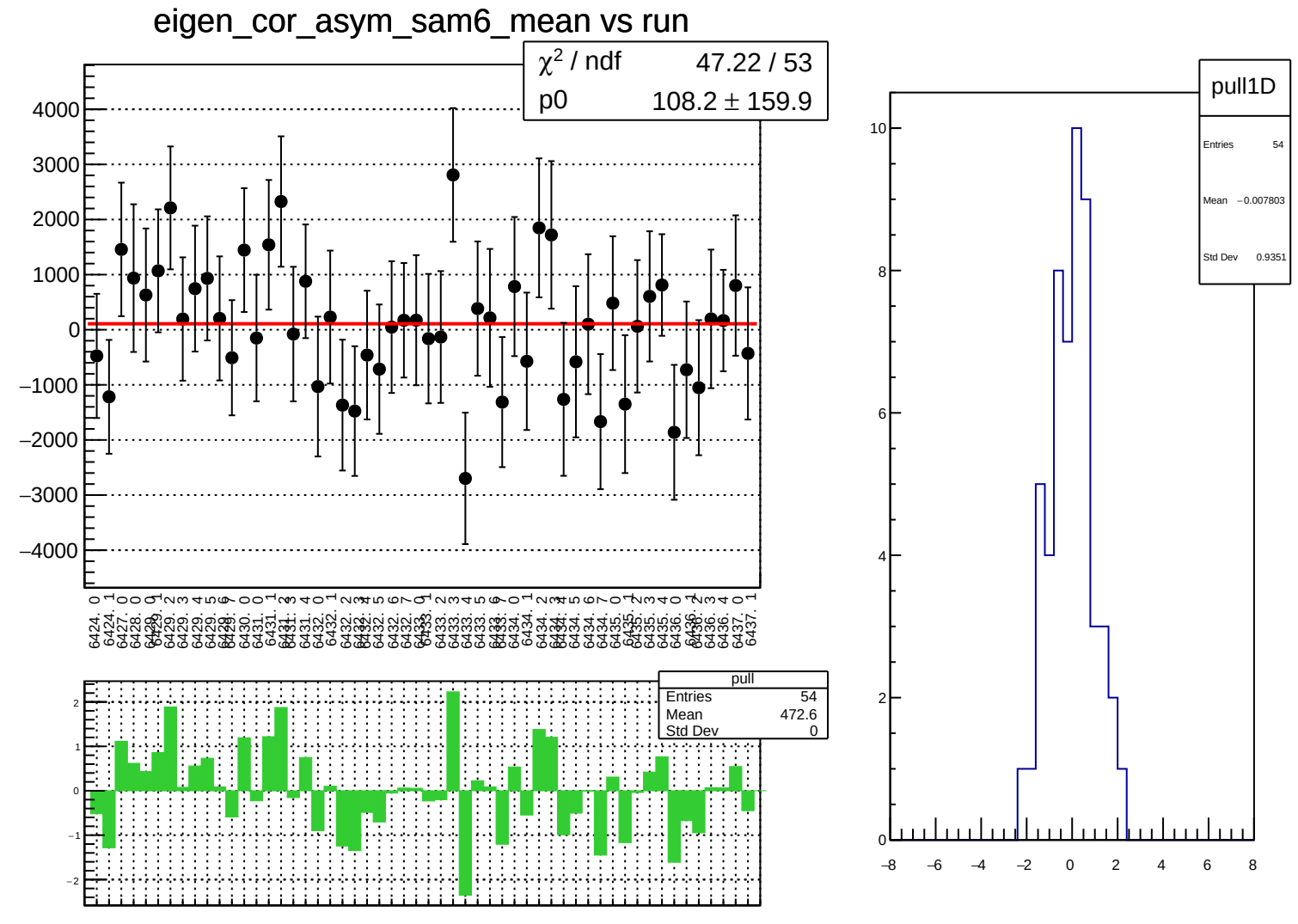

pull1D
Entries 54
Mean −0.007803
Std Dev 0.9351

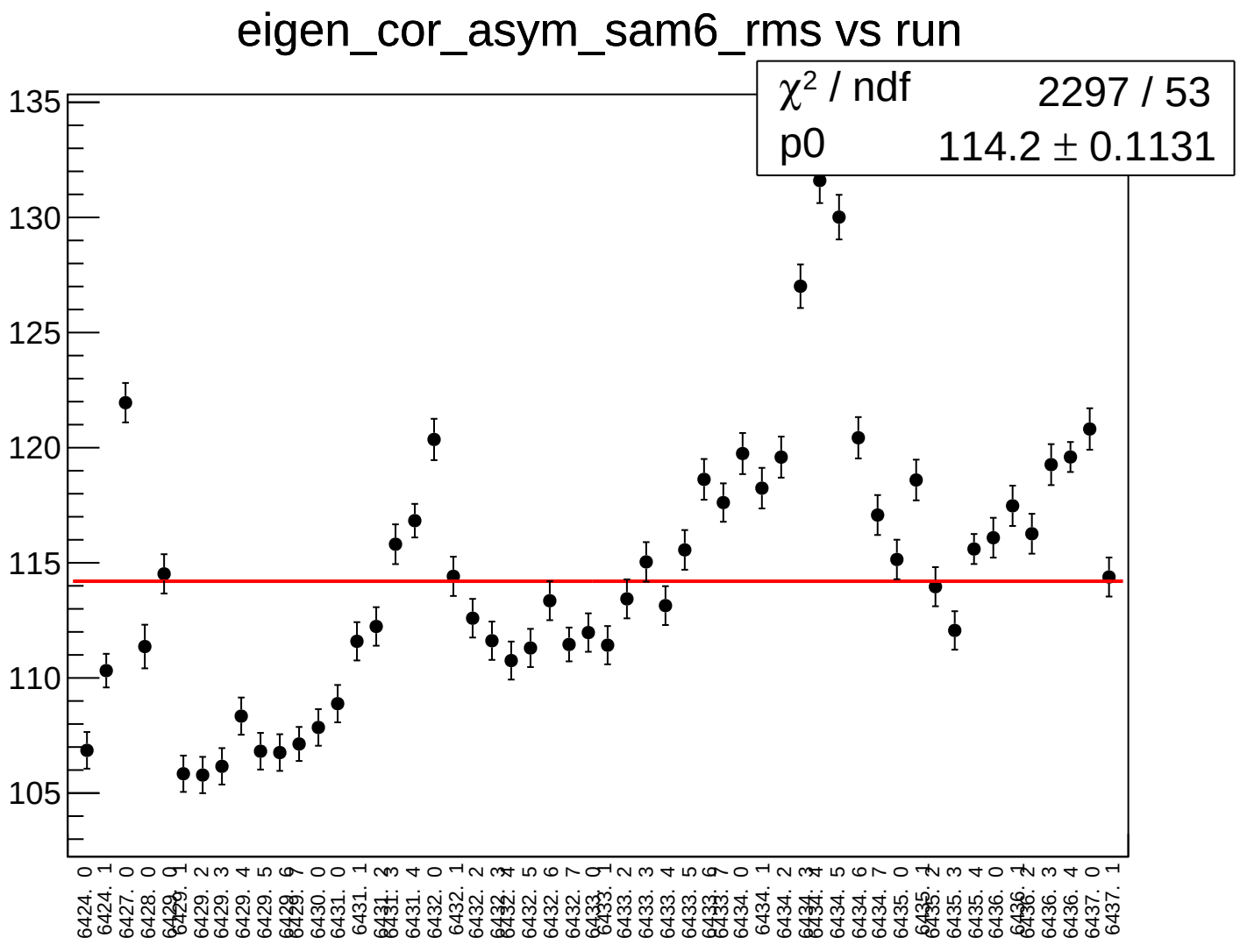

cor_asym_sam6_rms vs run
χ² / ndf 2297 / 53
p0 114.2 ± 0.1131
135
130
125
120
115
110
105
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

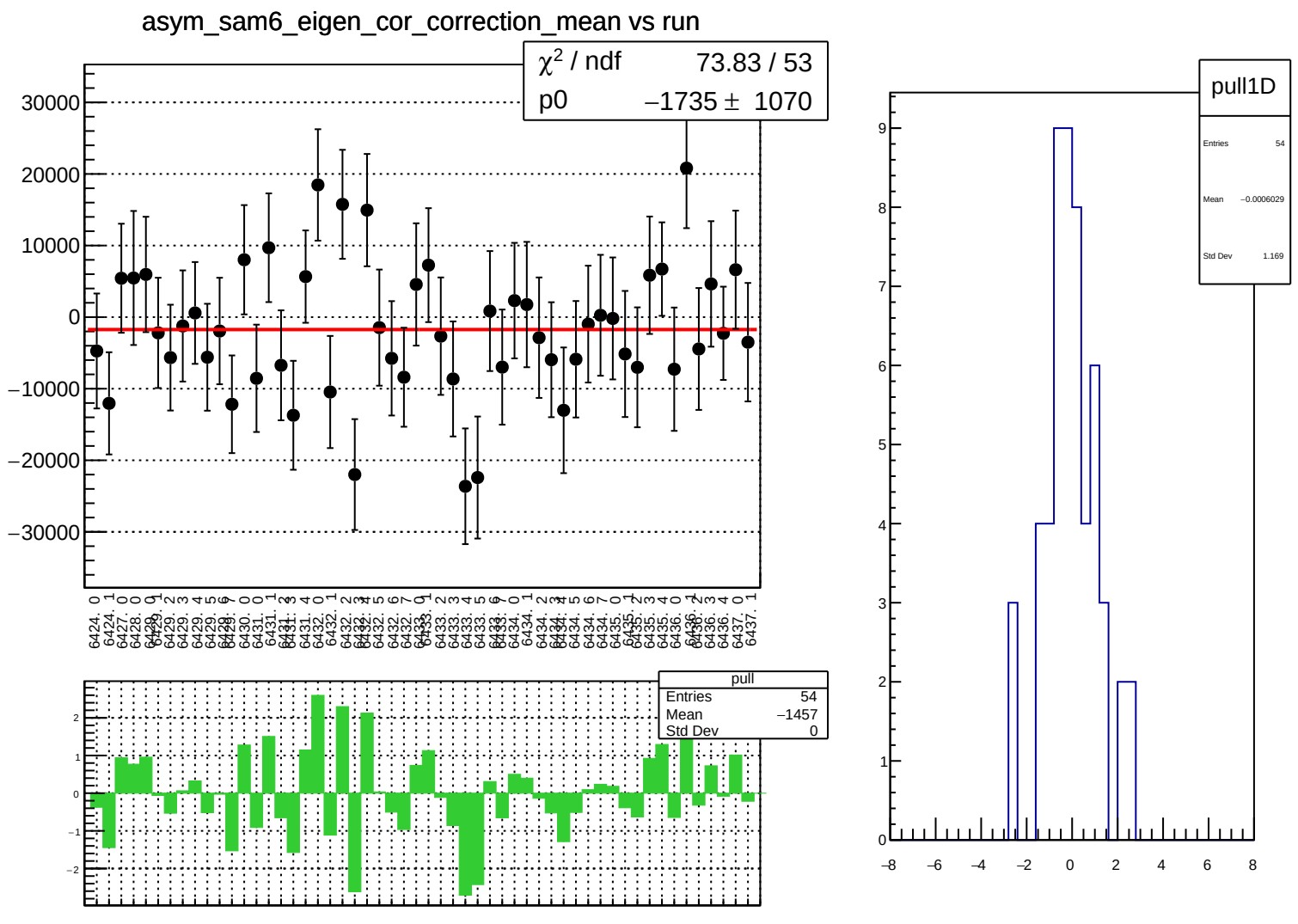

asym_sam6_cor_correction_mean vs run
χ² / ndf 73.83 / 53
p0 −1735 ± 1070
pull
Entries 54
Mean −1457
Std Dev 0

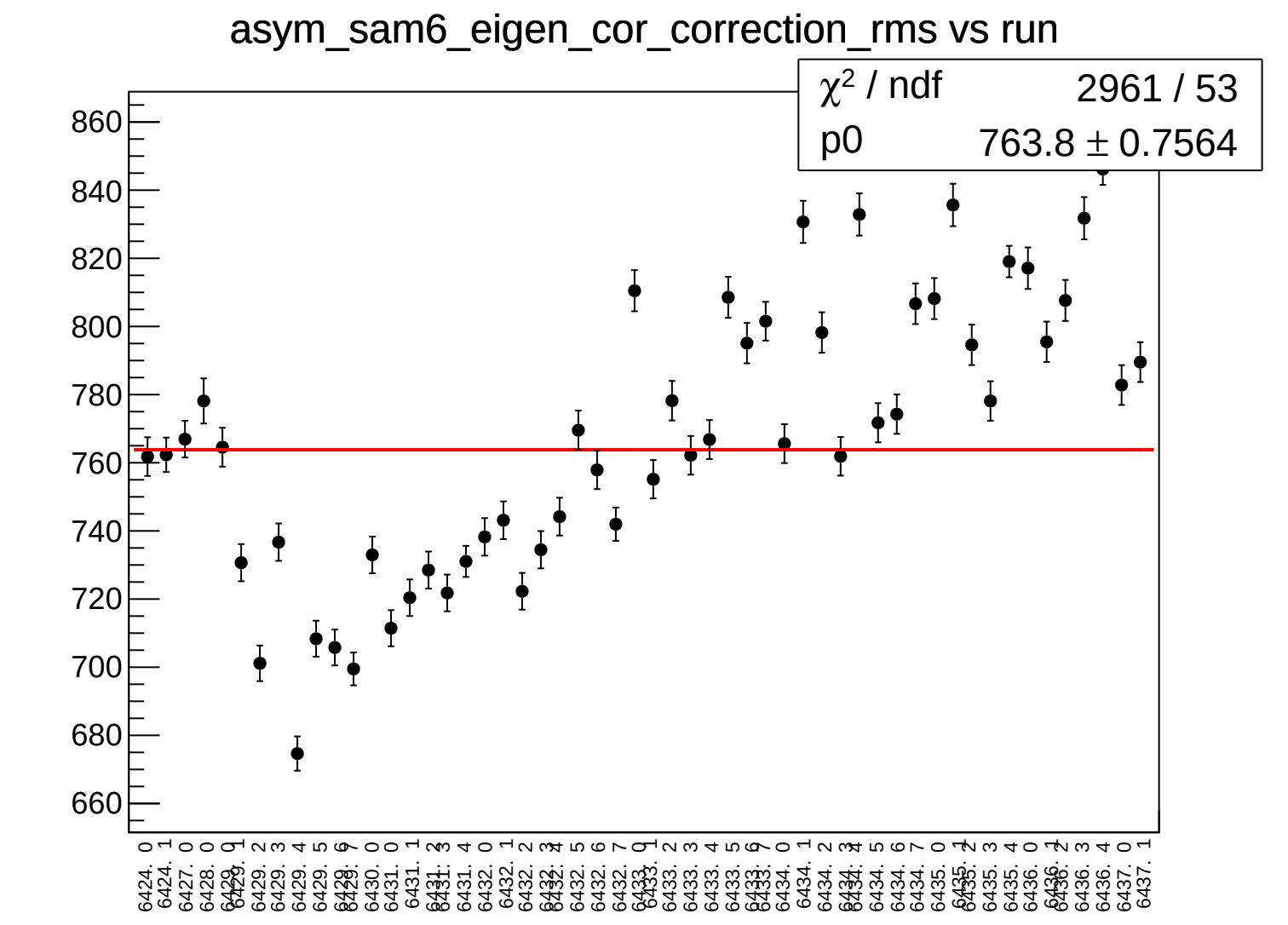

pull1D
Entries 54
Mean −0.0006029
Std Dev 1.169

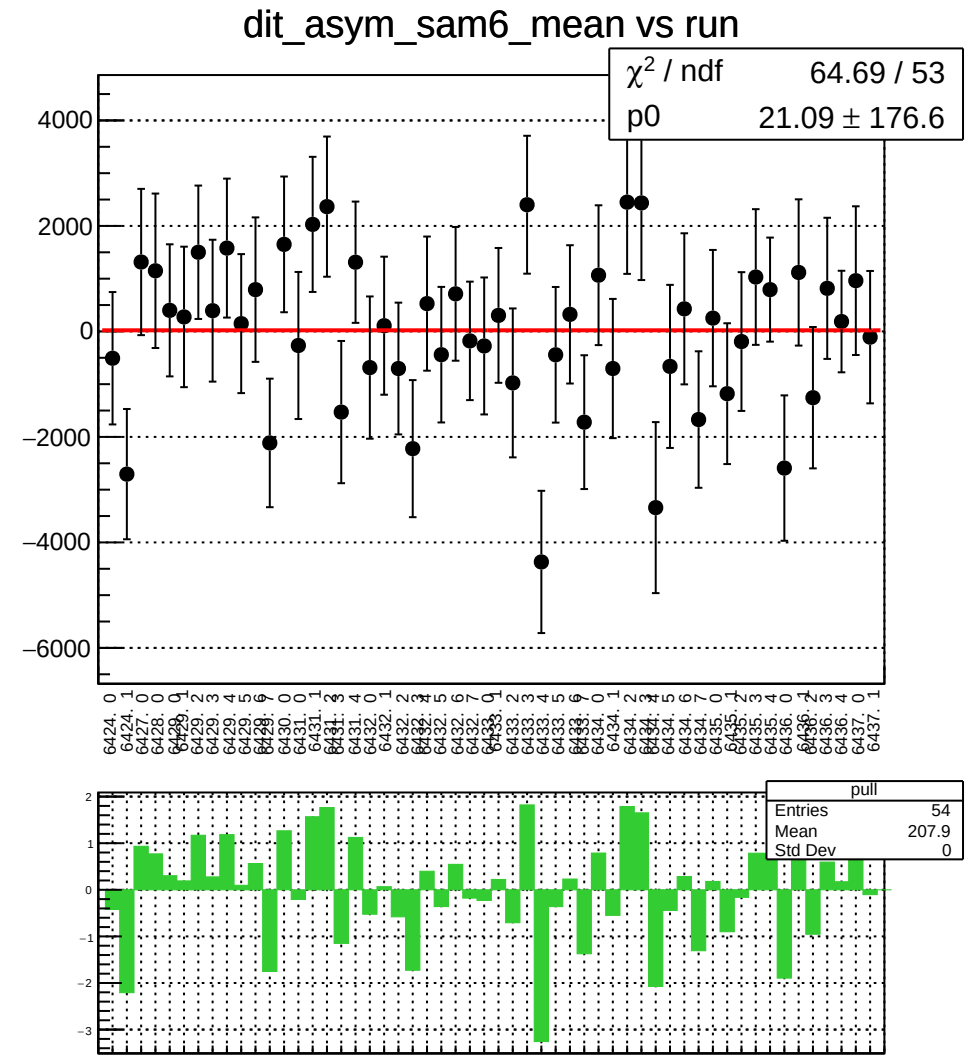

asym_sam6_cor_correction_rms vs run
χ² / ndf 2961 / 53
p0 763.8 ± 0.7564
860
840
820
800
780
760
740
720
700
680
660
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

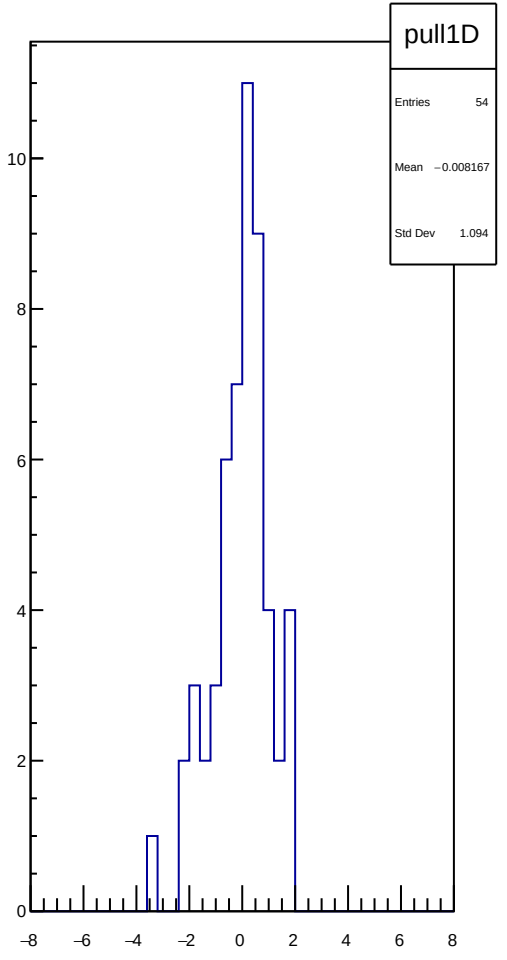

eigen_cor_asym_sam6_mean vs run
χ² / ndf 47.22 / 53
p0 108.2 ± 159.9
pull
Entries 54
Mean 472.6
Std Dev 0
pull1D
Entries 54
Mean −0.007803
Std Dev 0.9351

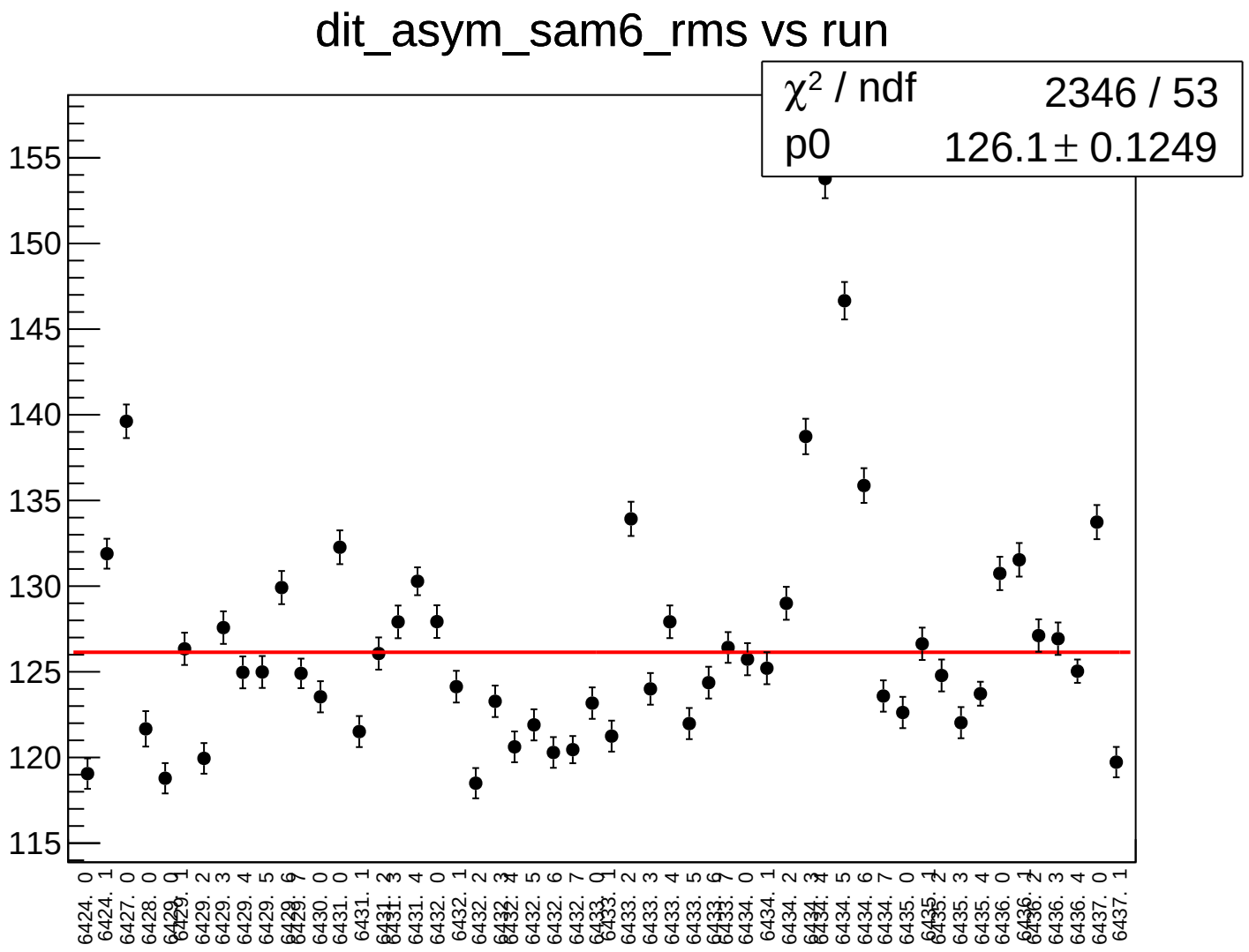

eigen_cor_asym_sam6_rms vs run
χ² / ndf 2297 / 53
p0 114.2 ± 0.1131
135
130
125
120
115
110
105
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

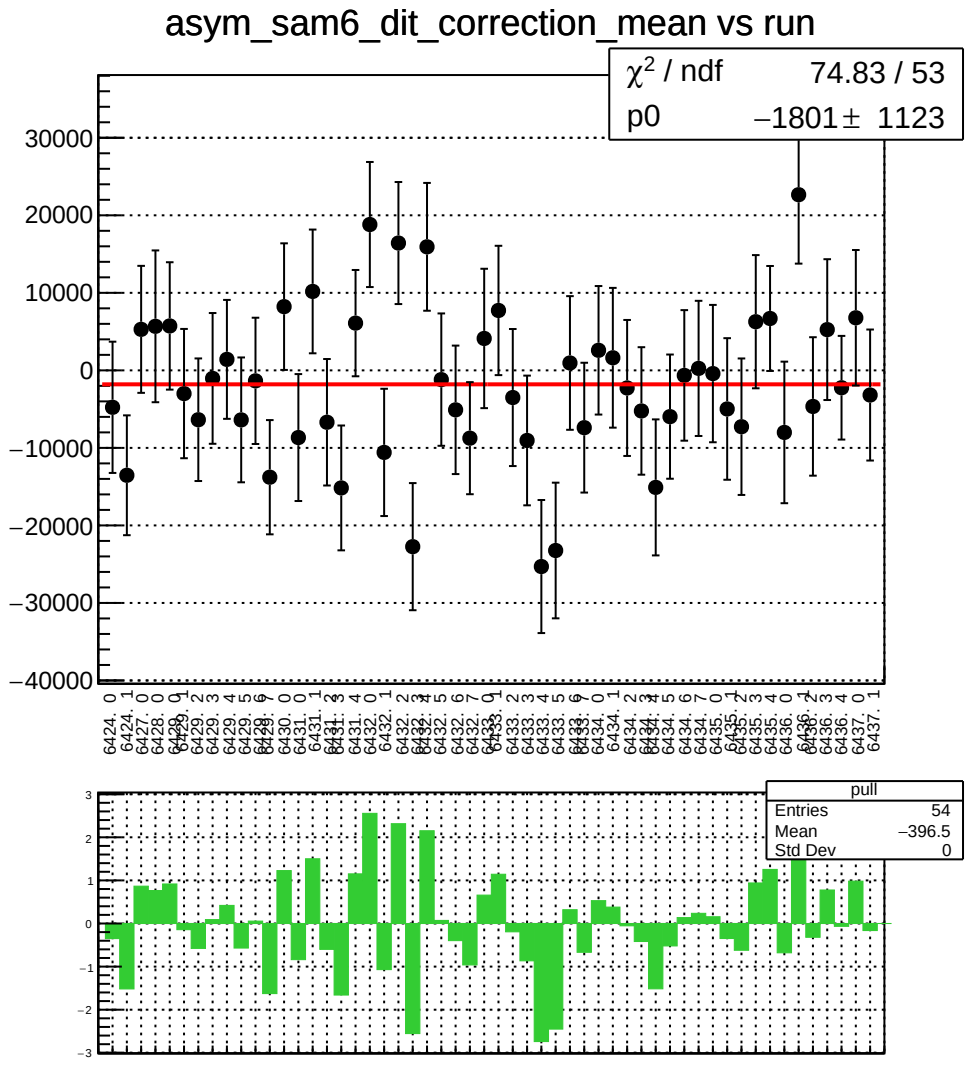

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 73.83 / 53
p0 −1735 ± 1070
pull
Entries 54
Mean −1457
Std Dev 0
pull1D
Entries 54
Mean −0.0006029
Std Dev 1.169

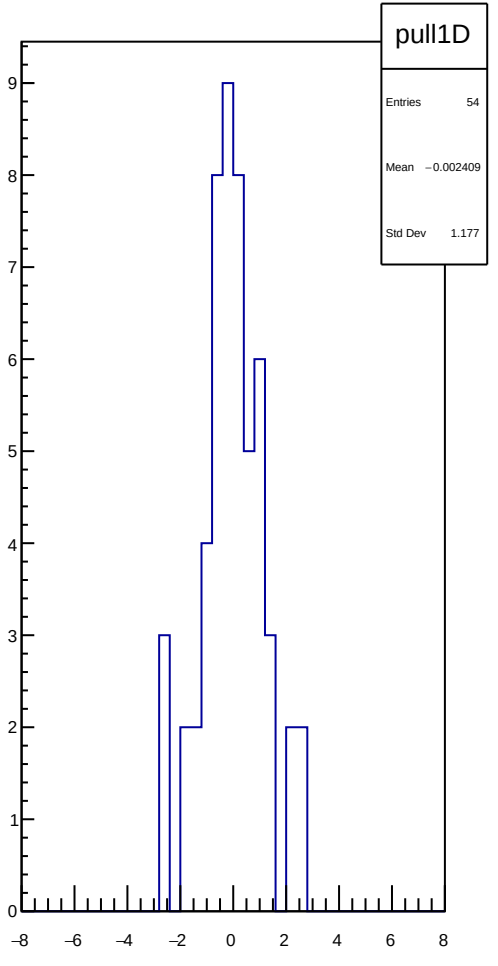

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2961 / 53
p0 763.8 ± 0.7564
860
840
820
800
780
760
740
720
700
680
660
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

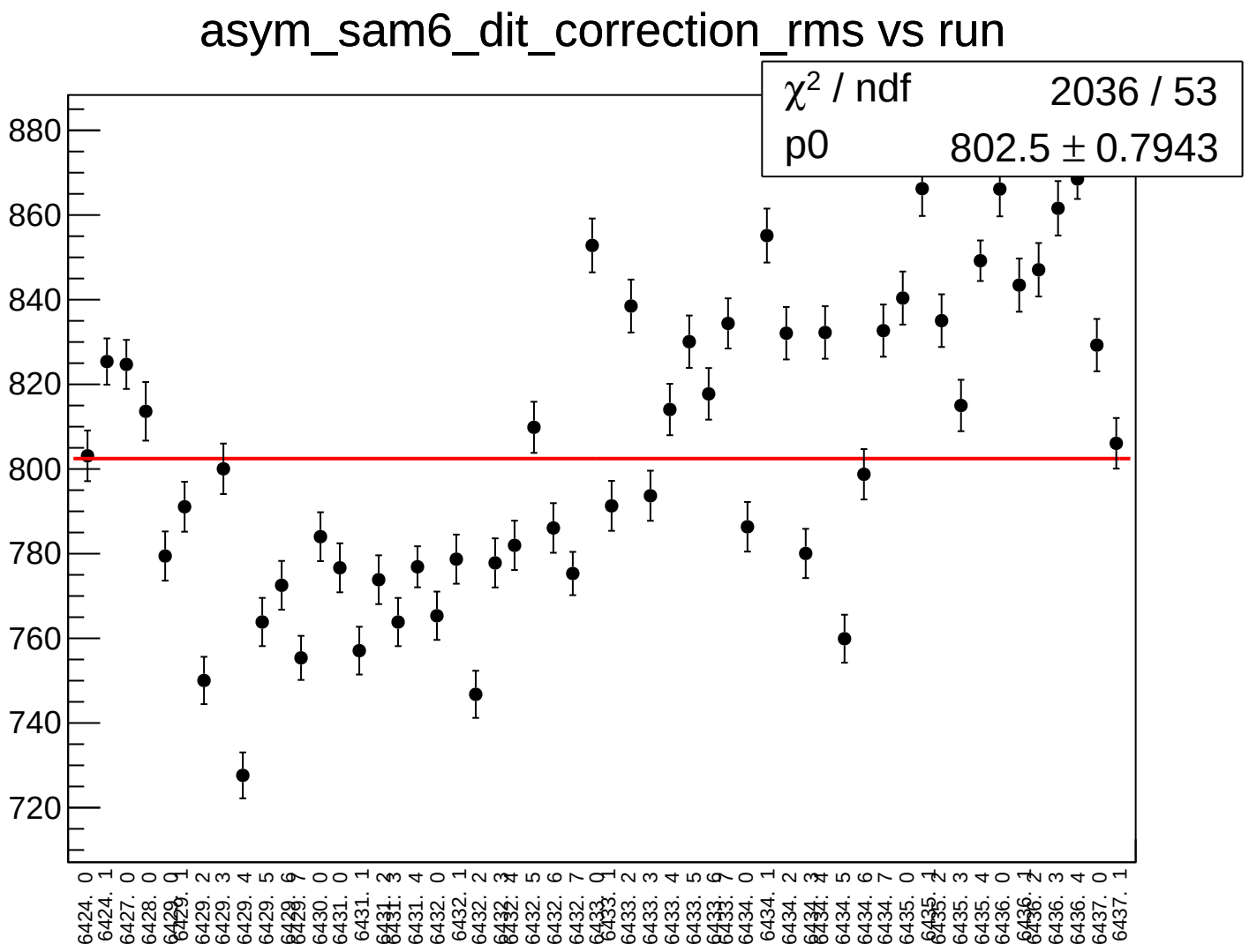

dit_asym_sam6_mean vs run
χ² / ndf 64.69 / 53
p0 21.09 ± 176.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 207.9
Std Dev 0
2
1
0
−1
−2
−3

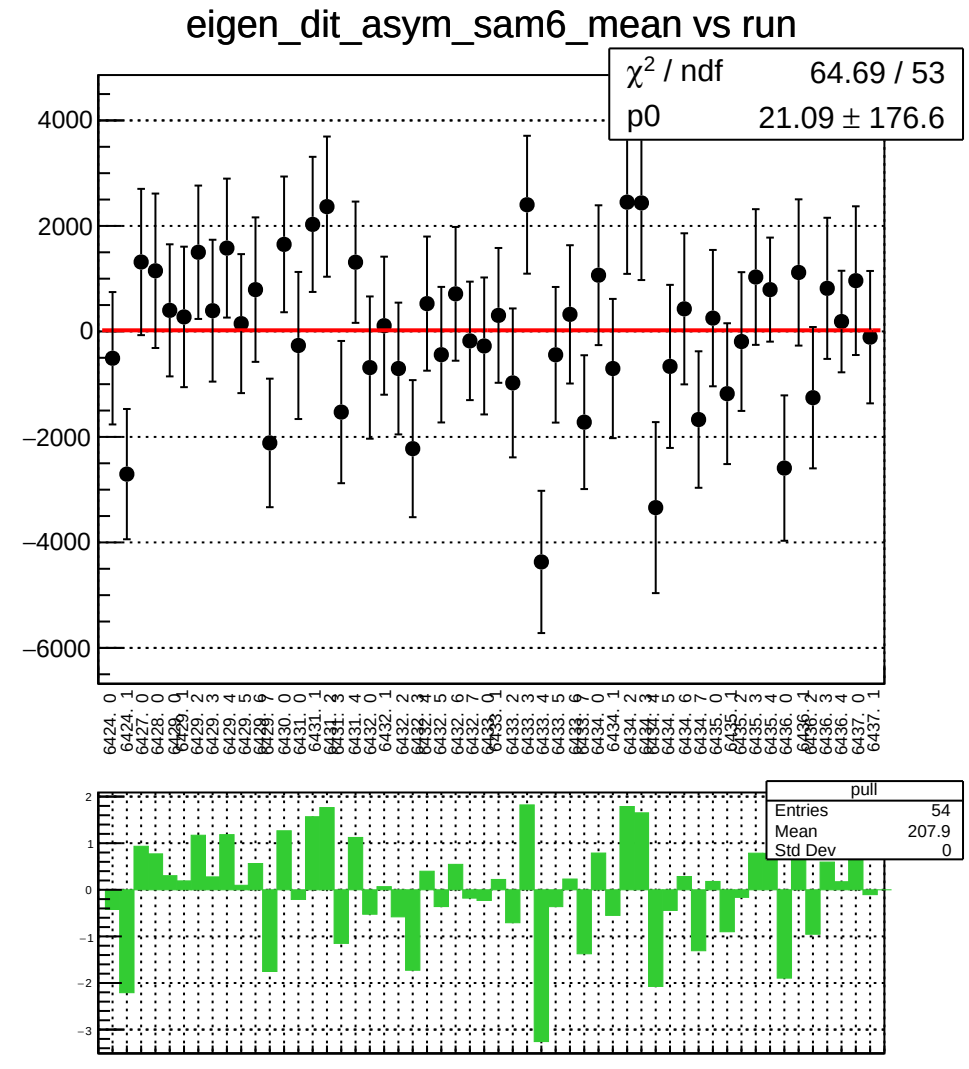

pull1D
Entries 54
Mean −0.008167
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

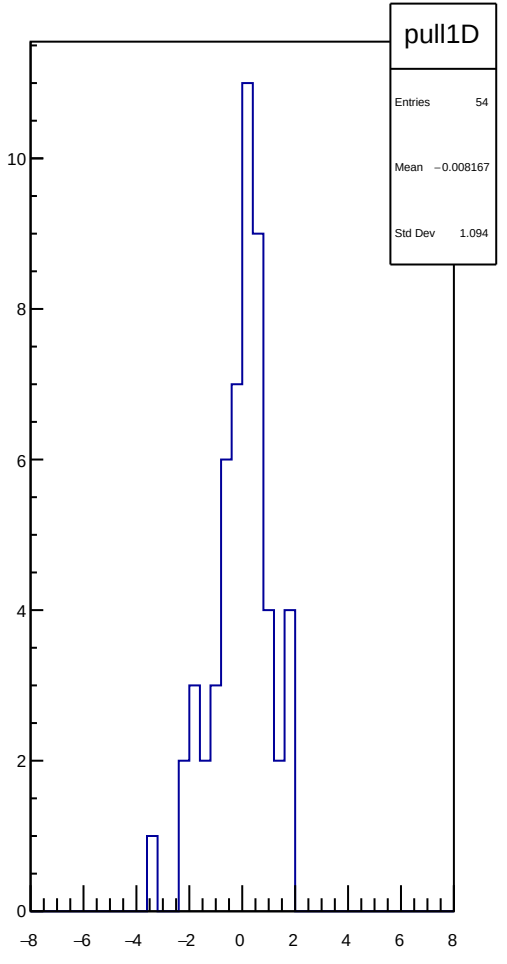

dit_asym_sam6_rms vs run
χ² / ndf 2346 / 53
p0 126.1 ± 0.1249
155
150
145
140
135
130
125
120
115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

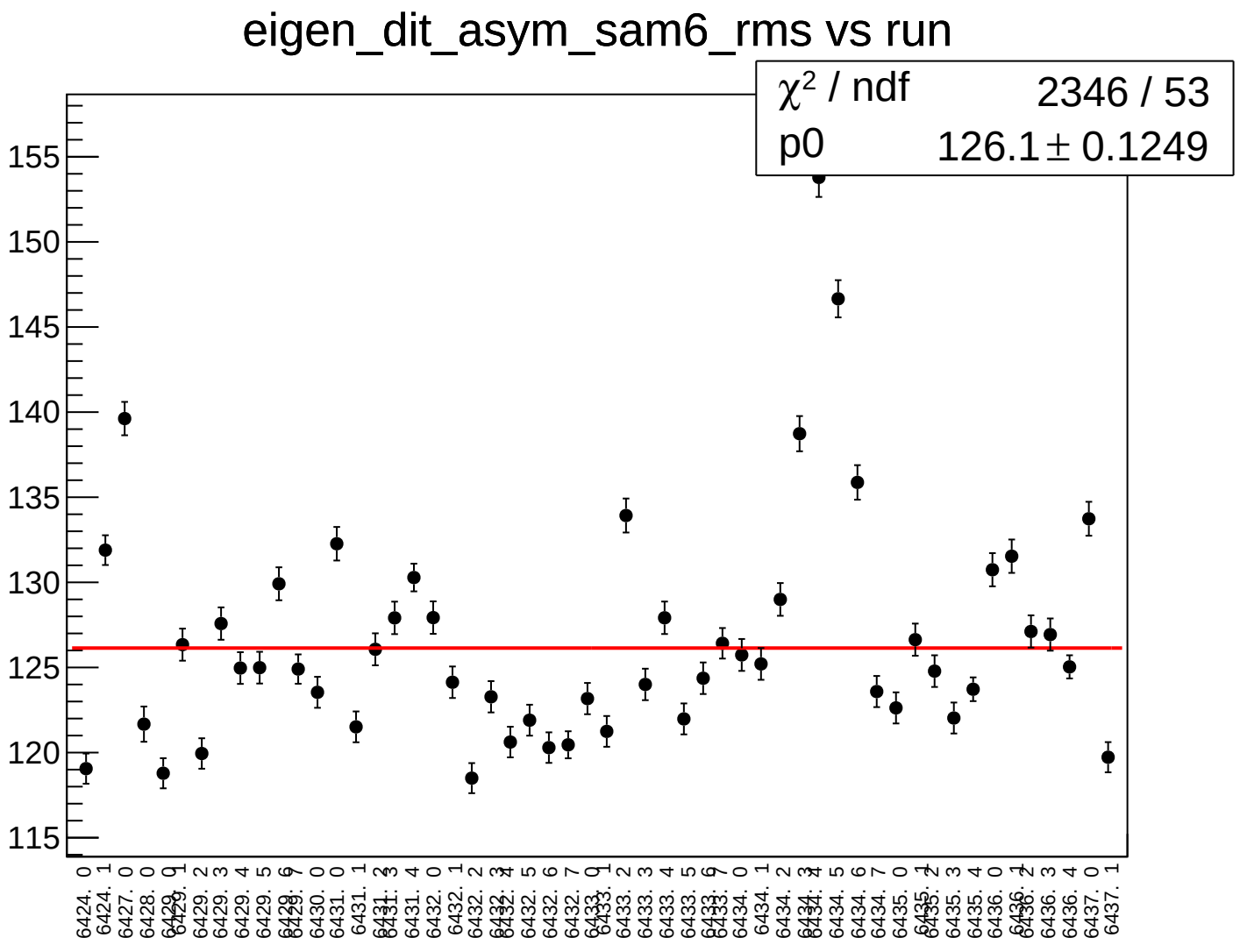

asym_sam6_dit_correction_mean vs run
χ² / ndf 74.83 / 53
p0 −1801 ± 1123
pull
Entries 54
Mean −396.5
Std Dev 0

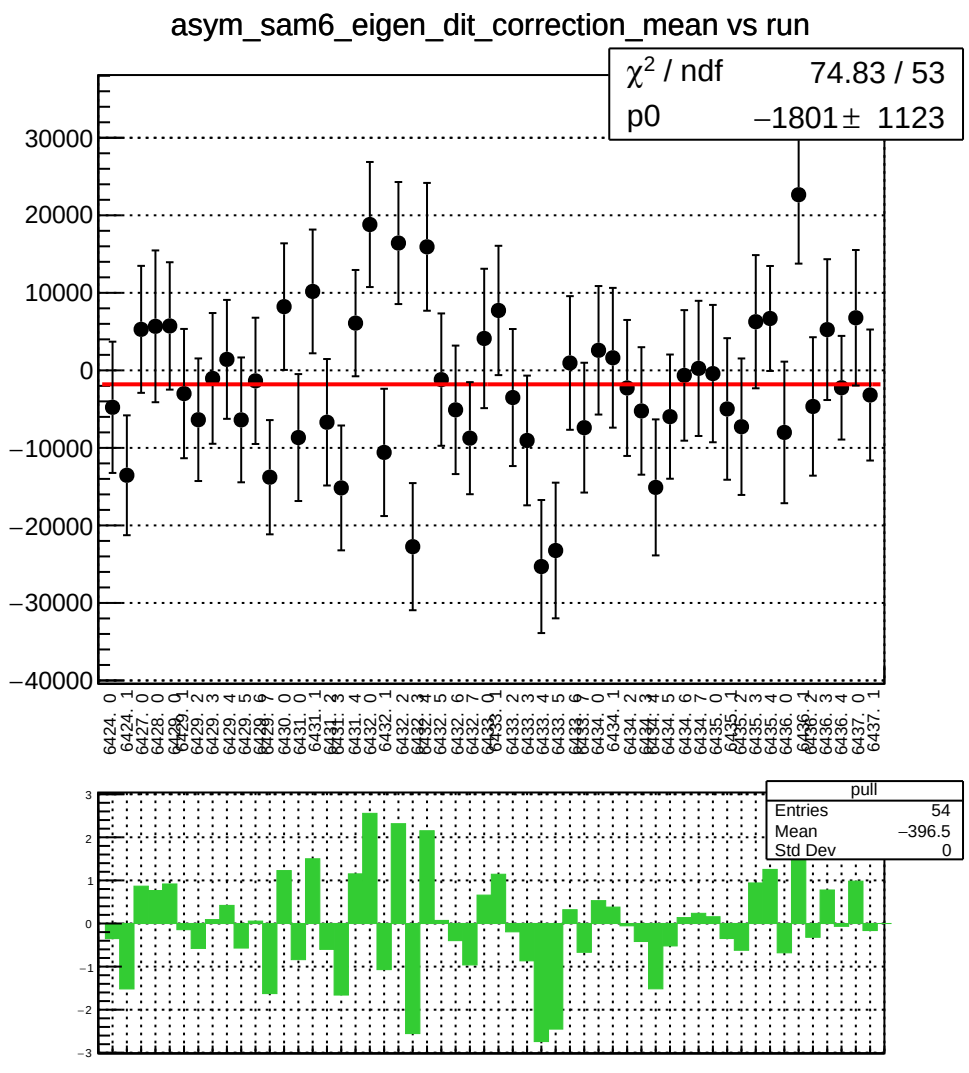

pull1D
Entries 54
Mean −0.002409
Std Dev 1.177

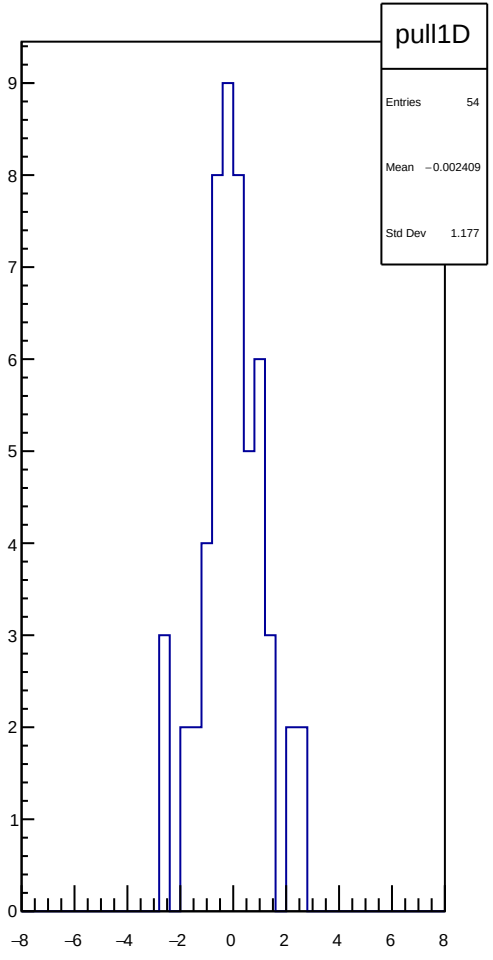

asym_sam6_dit_correction_rms vs run
χ² / ndf 2036 / 53
p0 802.5 ± 0.7943
880
860
840
820
800
780
760
740
720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

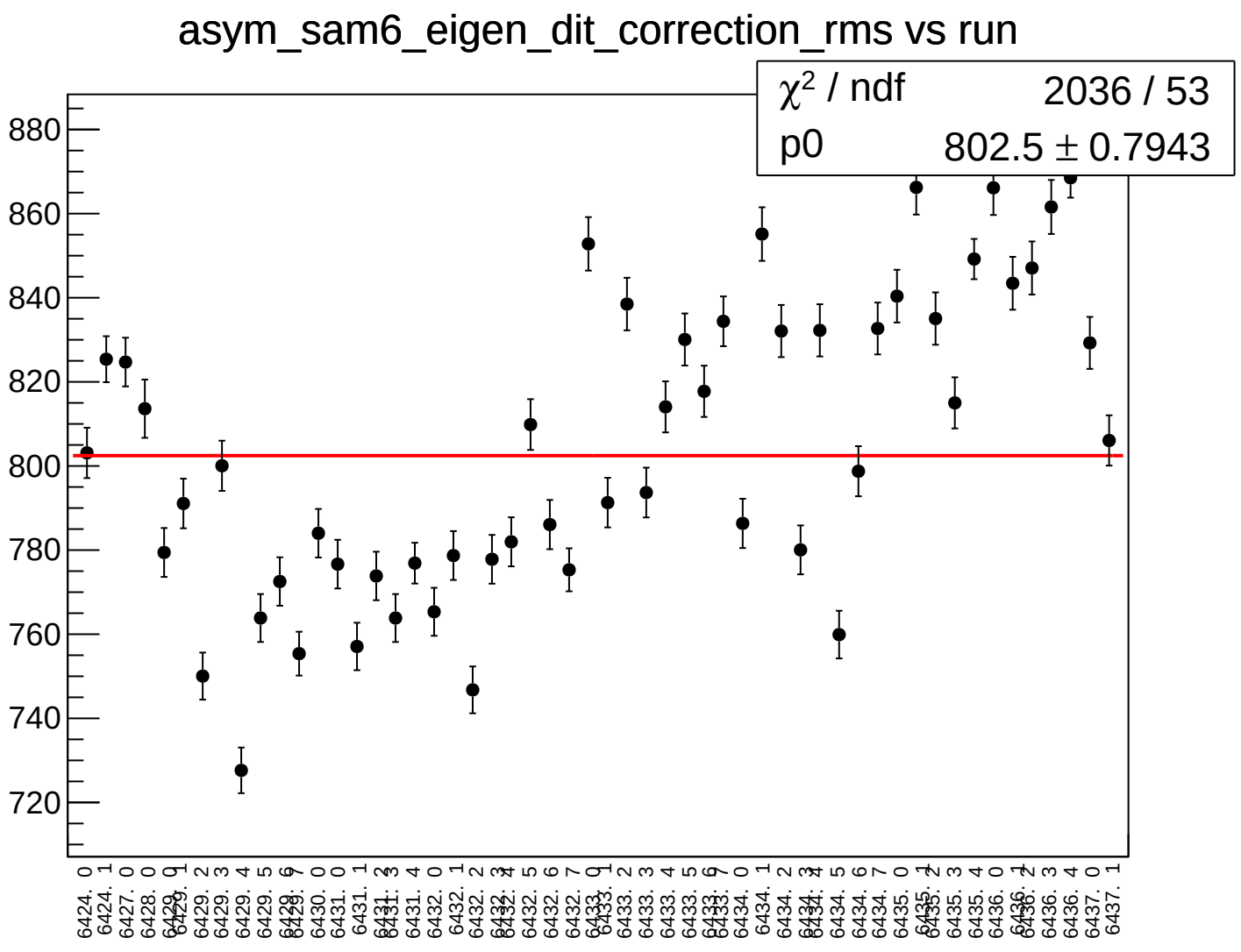

eigen_dit_asym_sam6_mean vs run
χ^2 / ndf 64.69 / 53
p0 21.09 ± 176.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 207.9
Std Dev 0
2
1
0
−1
−2
−3

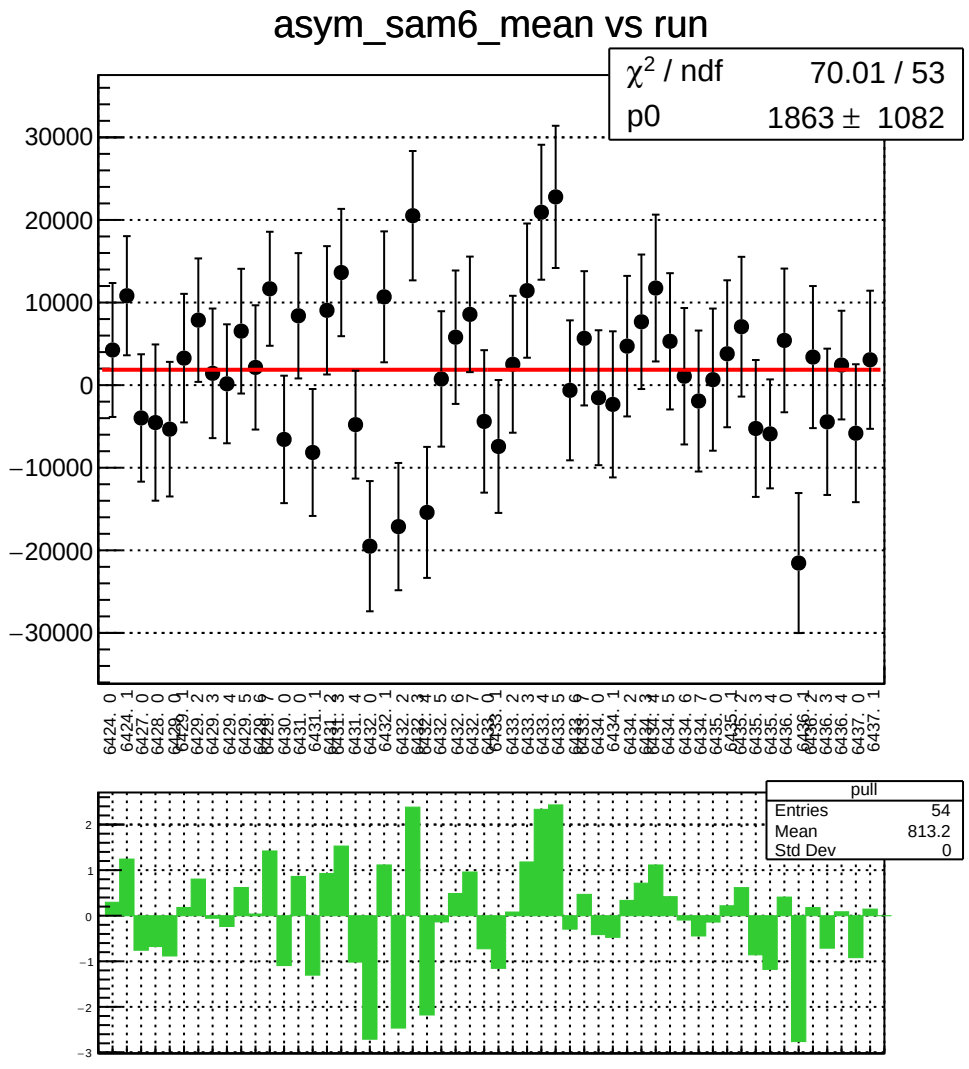

pull1D
Entries 54
Mean −0.008167
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

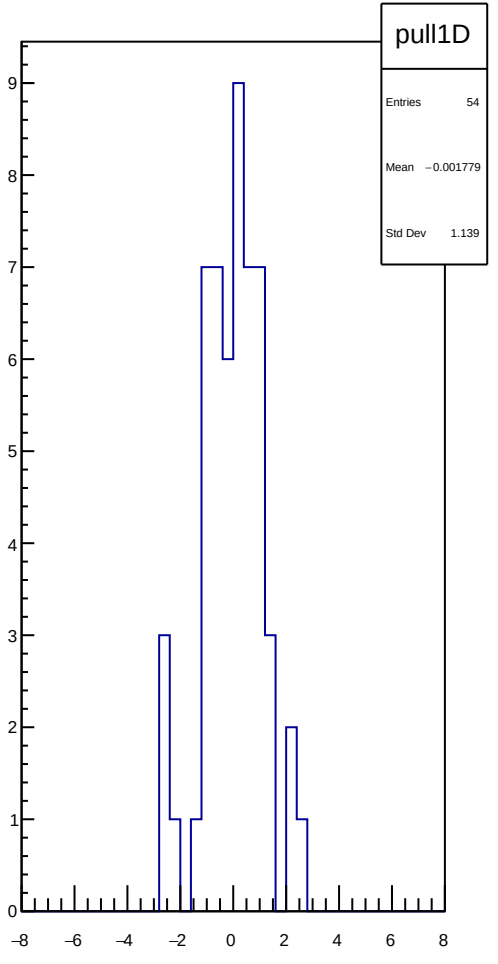

eigen_dit_asym_sam6_rms vs run
χ² / ndf 2346 / 53
p0 126.1 ± 0.1249
155
150
145
140
135
130
125
120
115
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

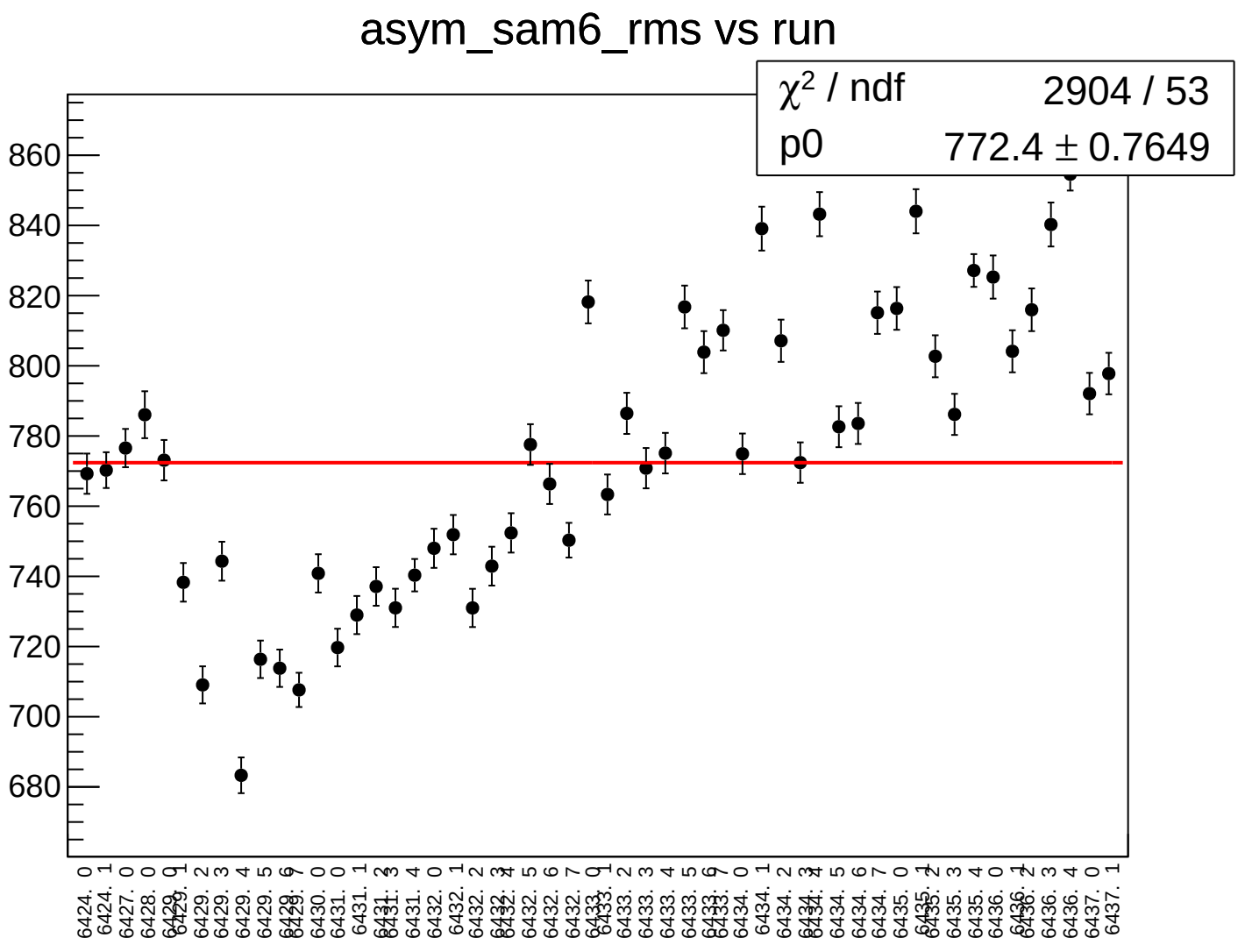

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 74.83 / 53
p0 −1801 ± 1123
pull
Entries 54
Mean −396.5
Std Dev 0

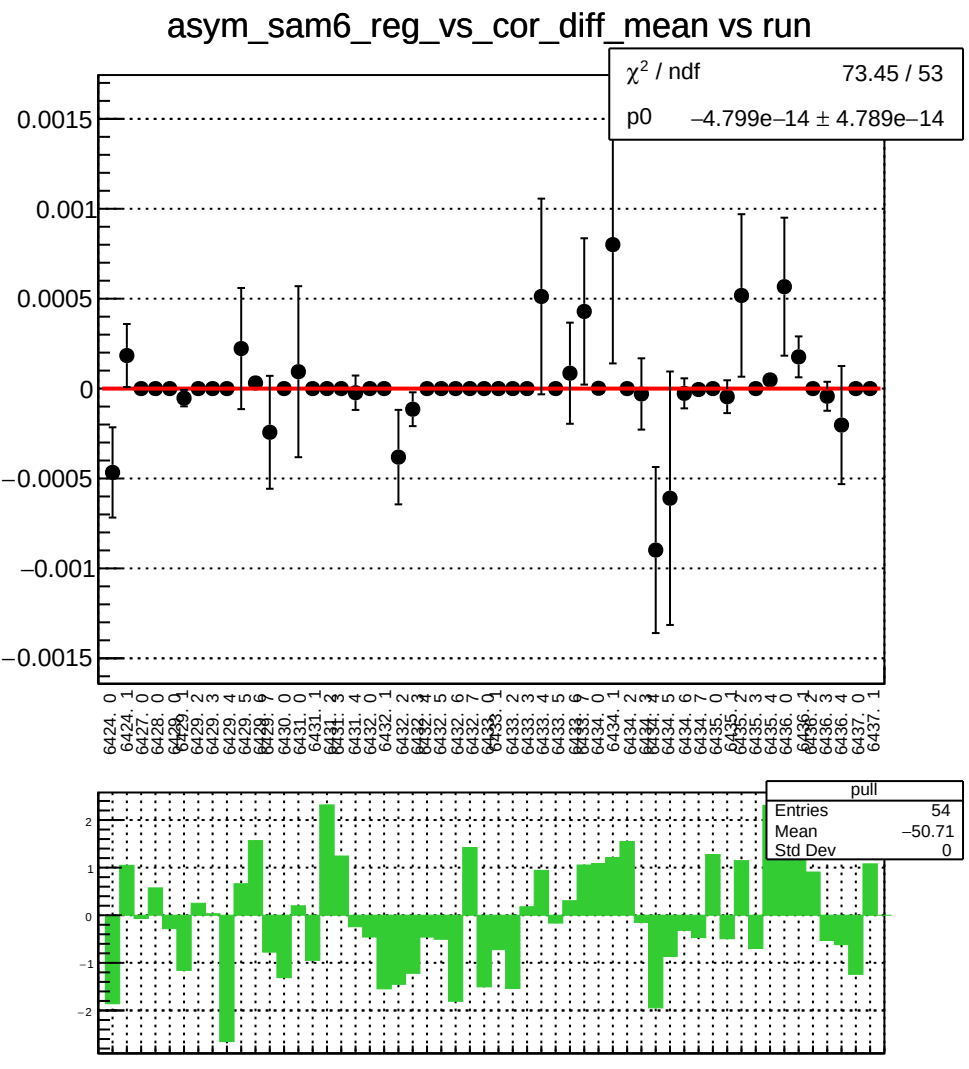

pull1D
Entries 54
Mean −0.002409
Std Dev 1.177

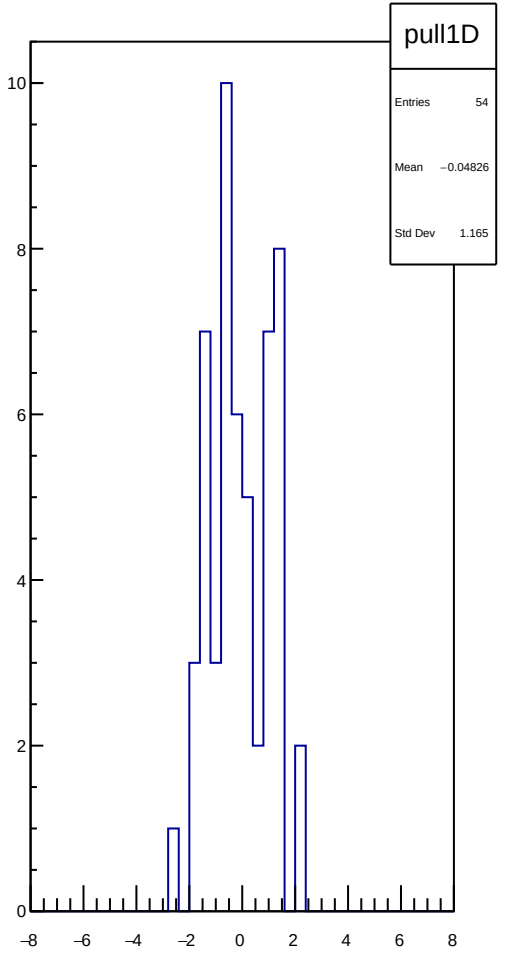

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 2036 / 53
p0 802.5 ± 0.7943
880
860
840
820
800
780
760
740
720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

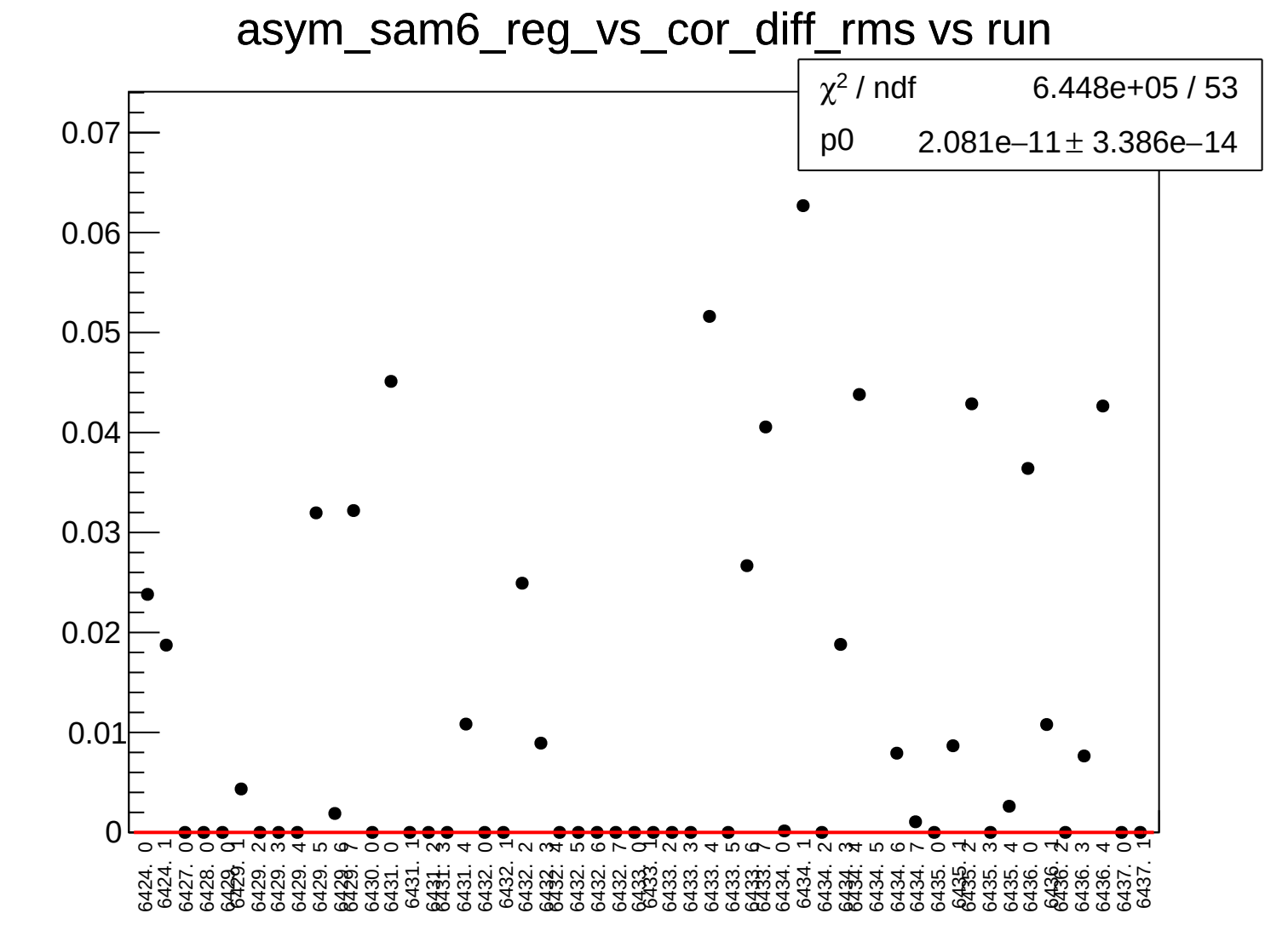

asym_sam6_mean vs run
χ² / ndf 70.01 / 53
p0 1863 ± 1082
pull
Entries 54
Mean 813.2
Std Dev 0

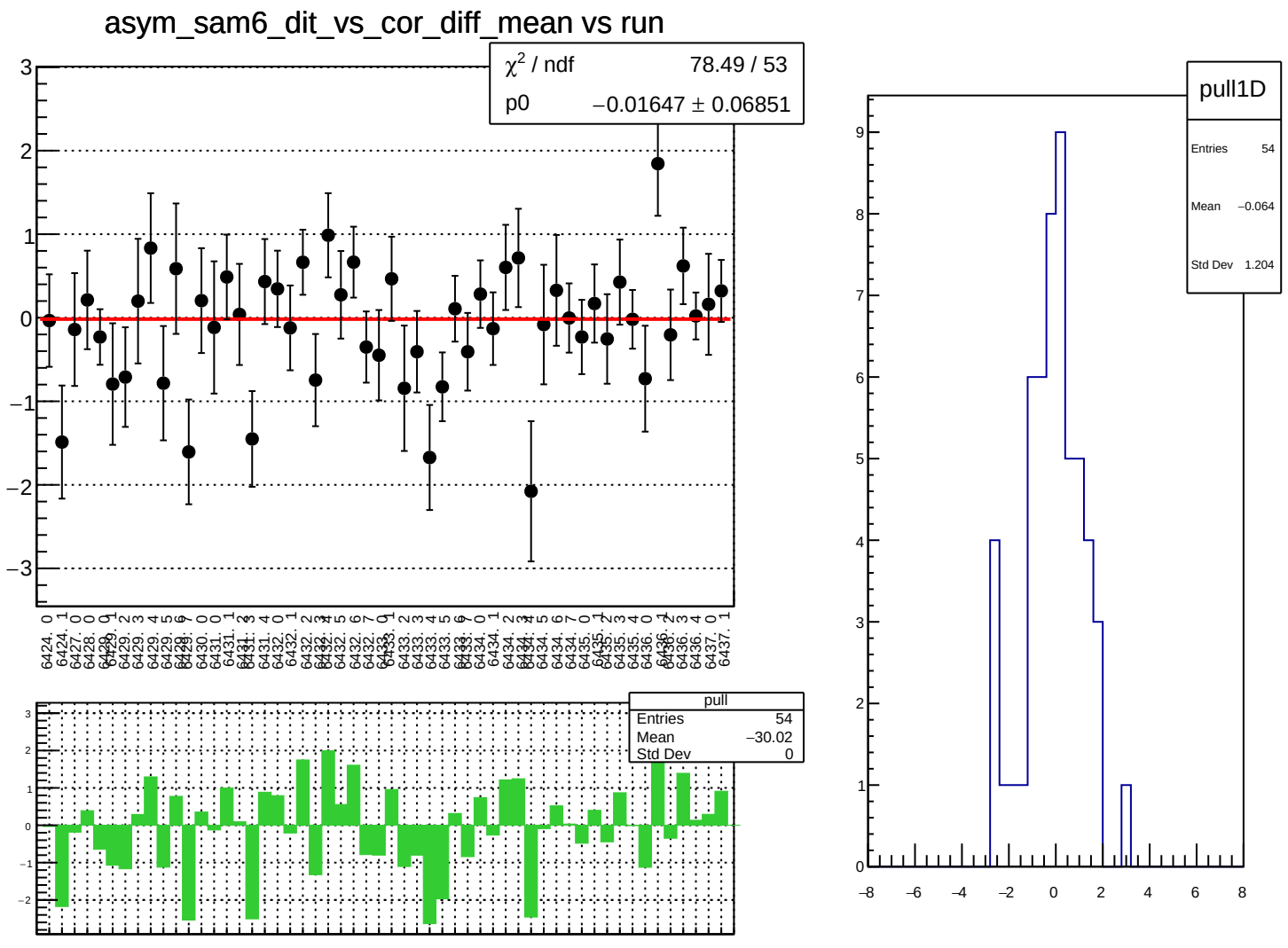

pull1D
Entries 54
Mean −0.001779
Std Dev 1.139

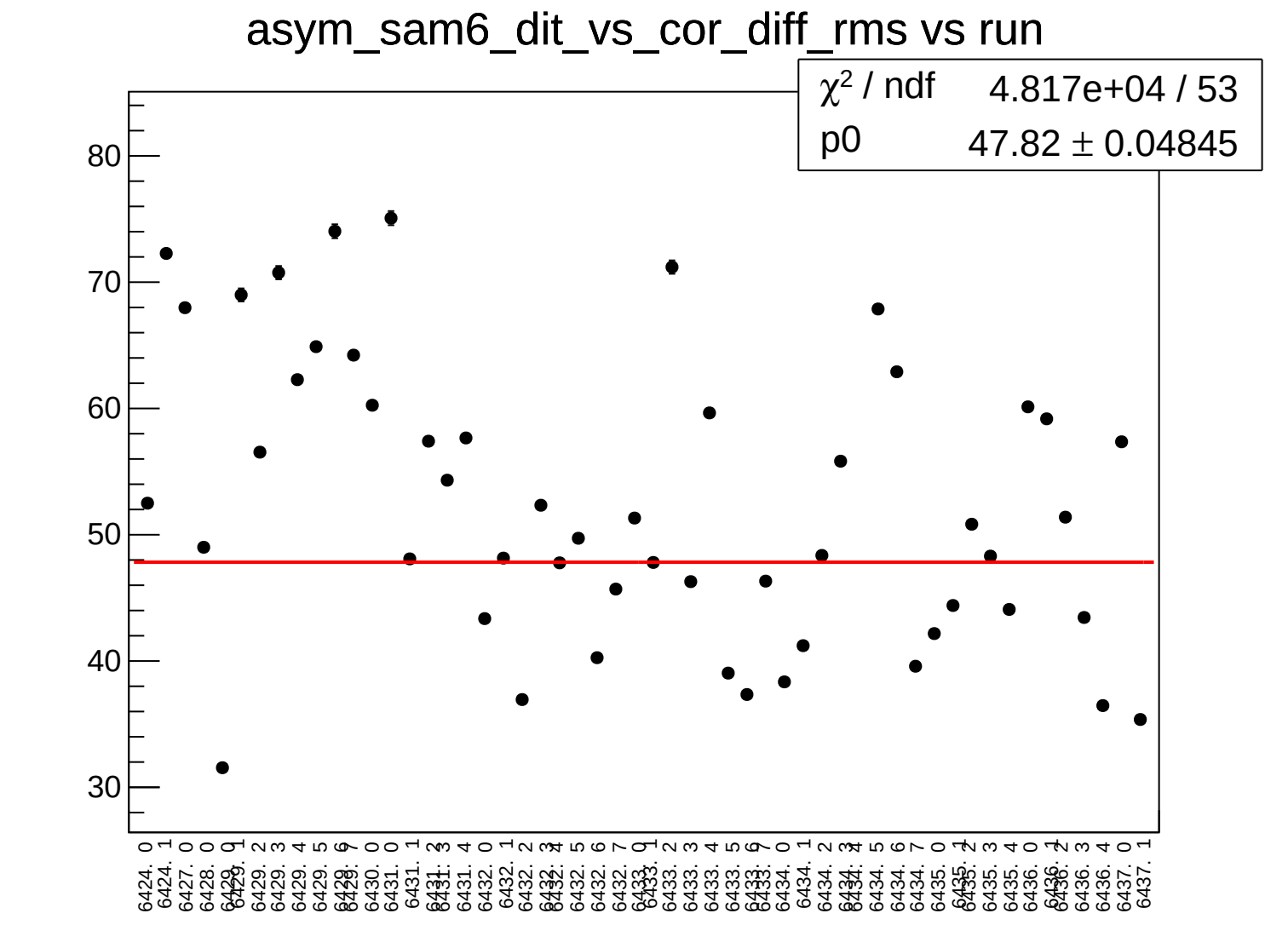

asym_sam6_rms vs run
χ² / ndf 2904 / 53
p0 772.4 ± 0.7649
860
840
820
800
780
760
740
720
700
680
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

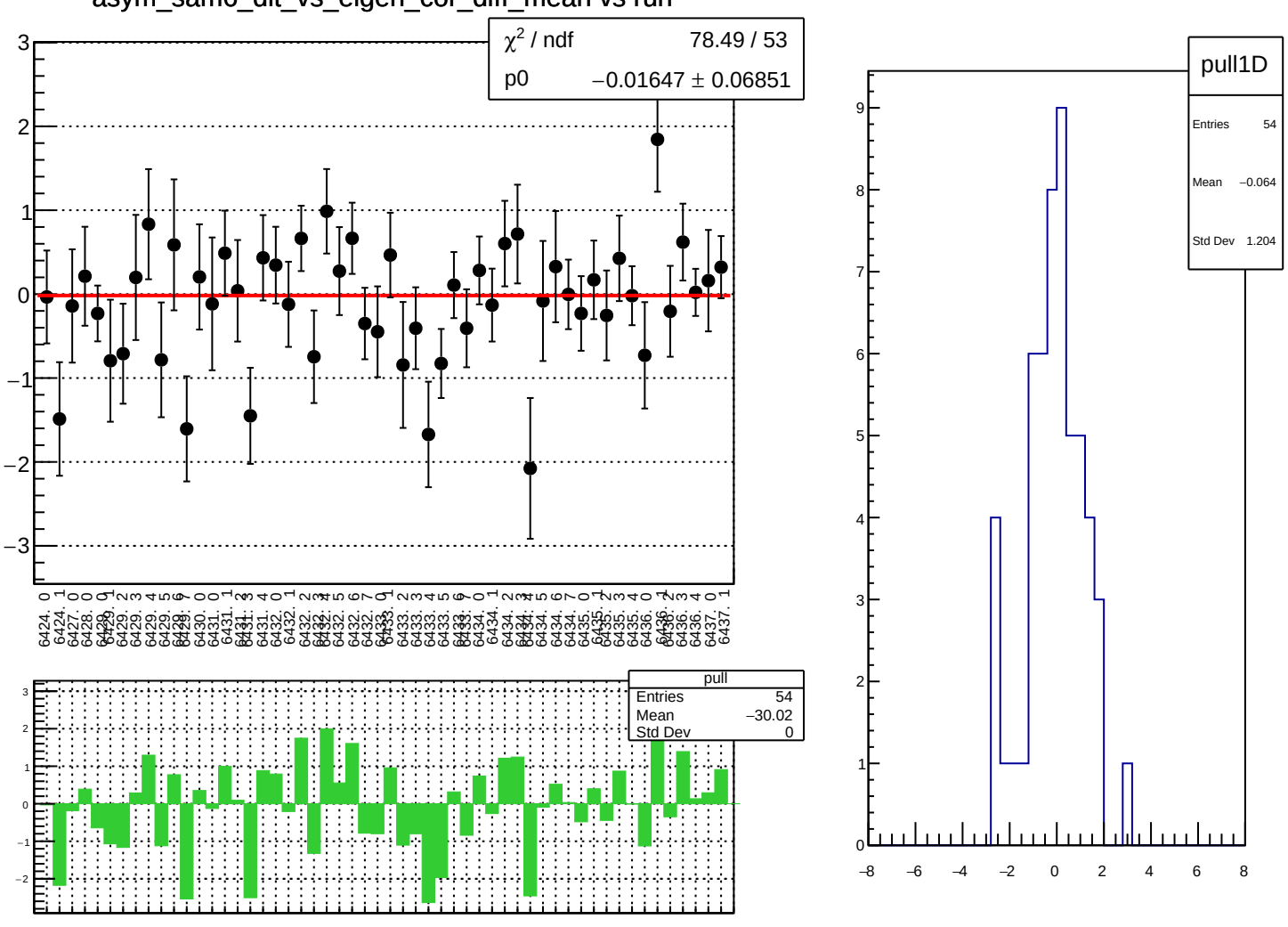

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 73.45 / 53
p0 −4.799e−14 ± 4.789e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean −50.71
Std Dev 0
2
1
0
−1
−2

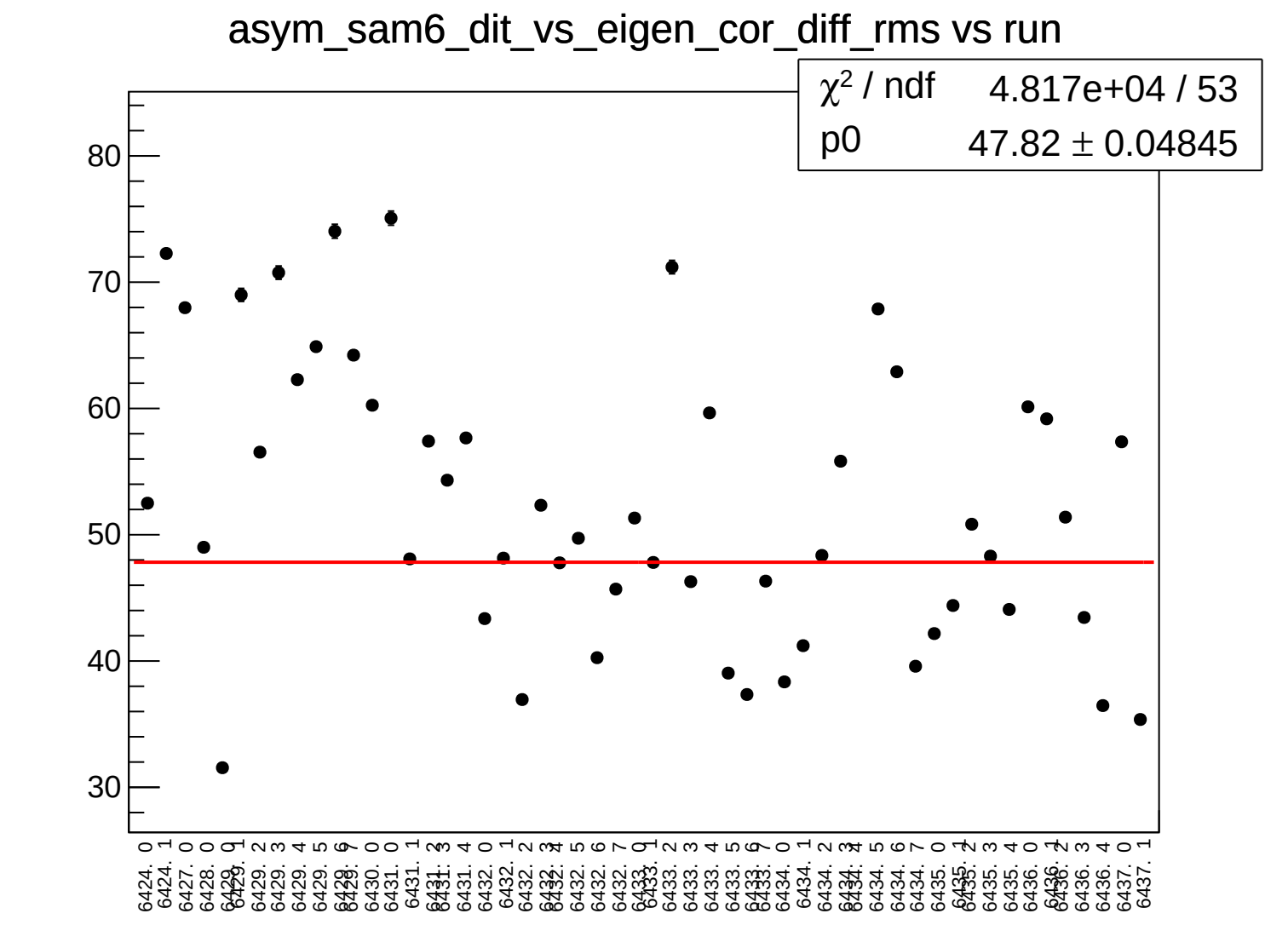

pull1D
Entries 54
Mean −0.04826
Std Dev 1.165
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

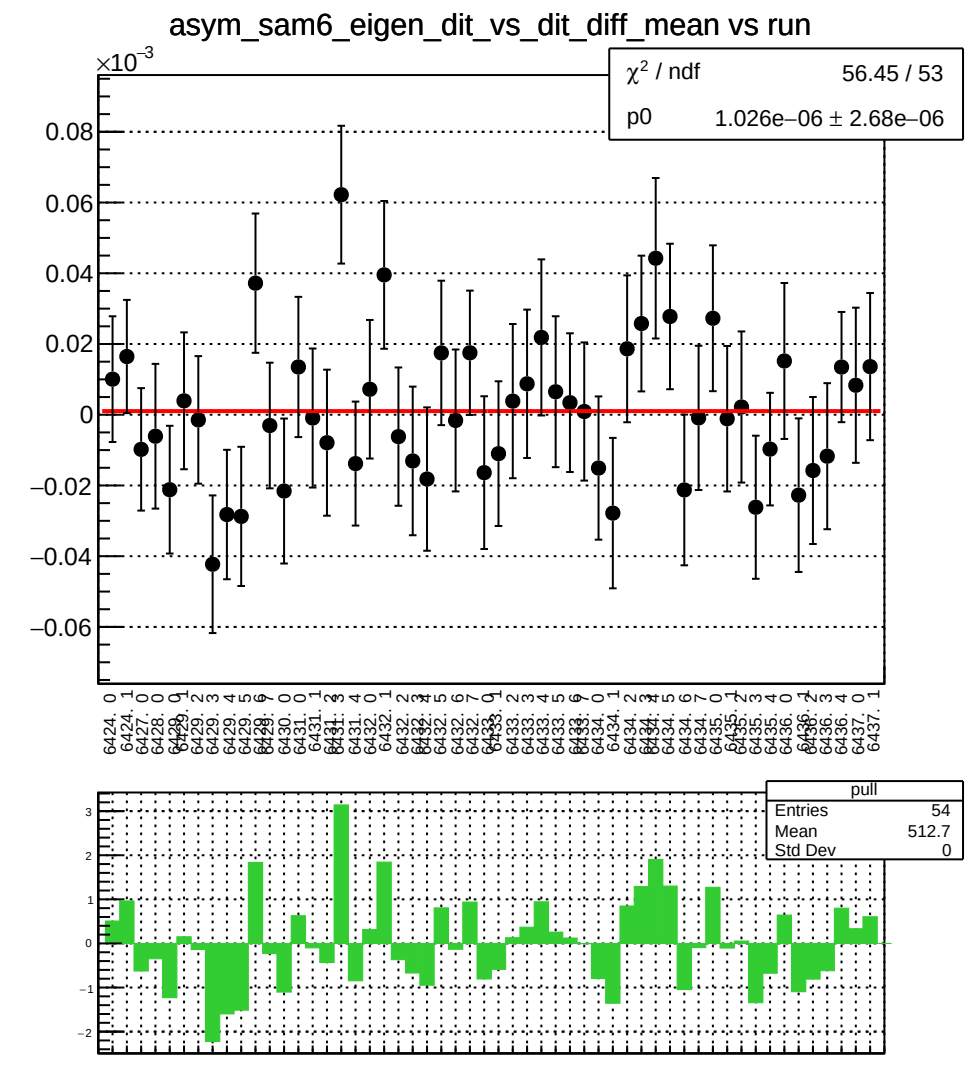

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 6.448e+05 / 53
p0 2.081e−11 ± 3.386e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

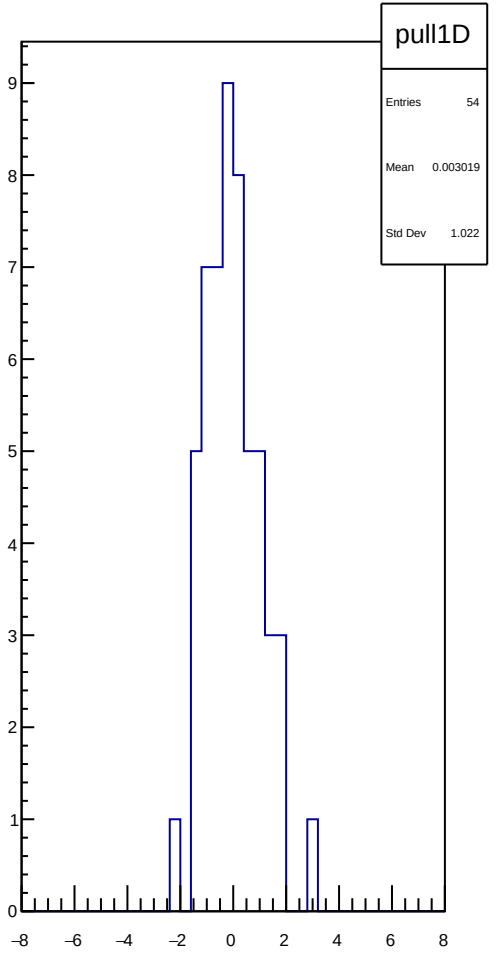

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 78.49 / 53
p0 −0.01647 ± 0.06851
pull
Entries 54
Mean −30.02
Std Dev 0
pull1D
Entries 54
Mean −0.064
Std Dev 1.204

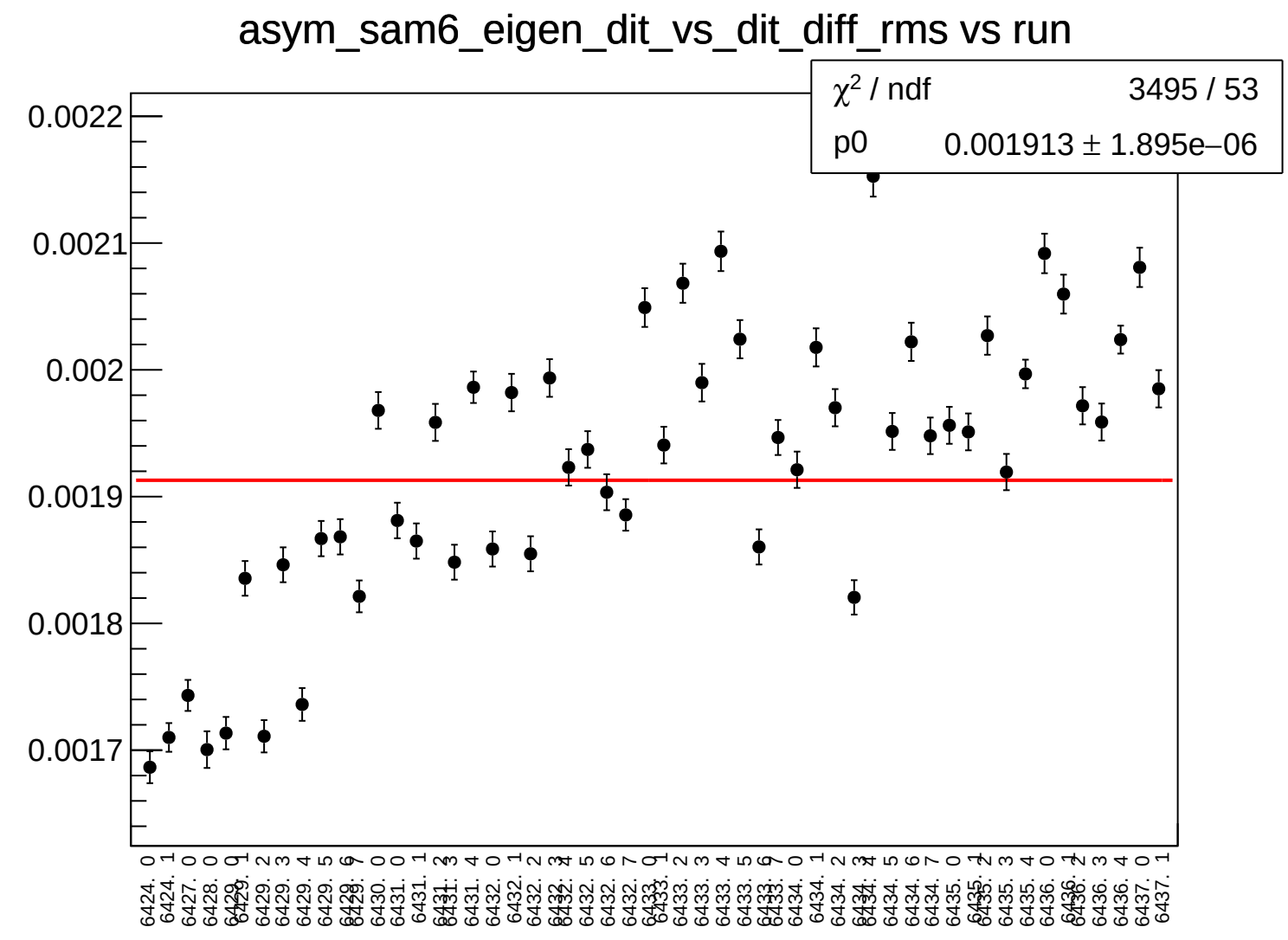

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 4.817e+04 / 53
p0 47.82 ± 0.04845
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.49 / 53
p0 −0.01647 ± 0.06851
pull
Entries 54
Mean −30.02
Std Dev 0
pull1D
Entries 54
Mean −0.064
Std Dev 1.204

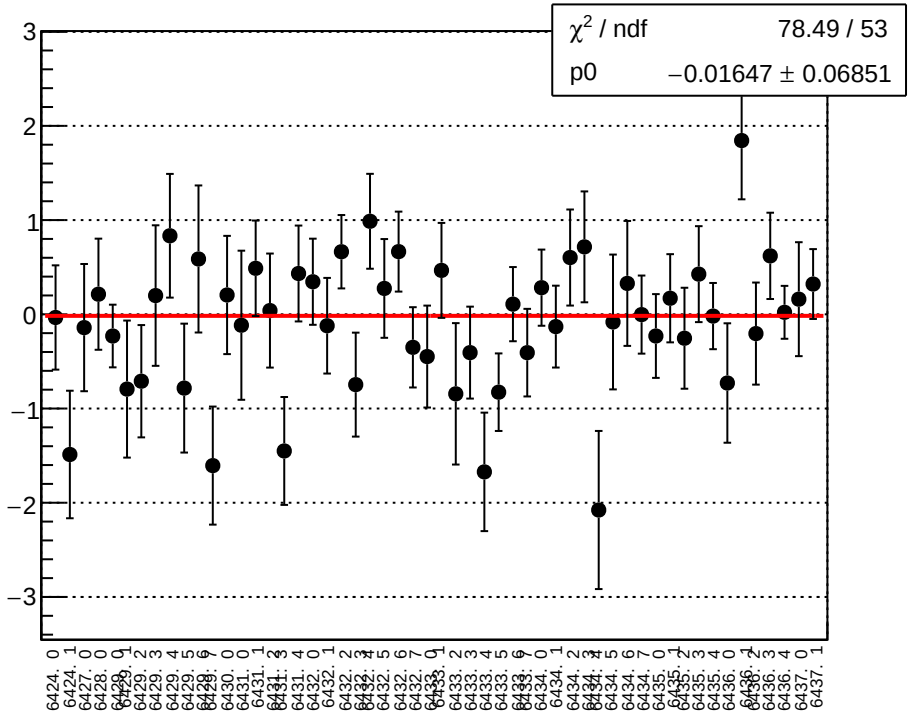

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.817e+04 / 53
p0 47.82 ± 0.04845
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

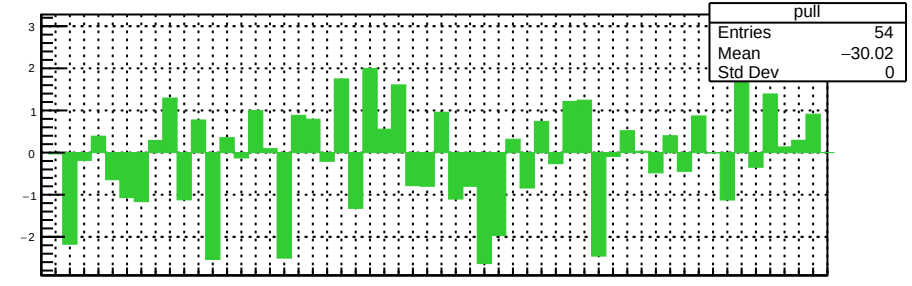

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.45 / 53
p0 1.026e−06 ± 2.68e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 512.7
Std Dev 0
3
2
1
0
−1
−2

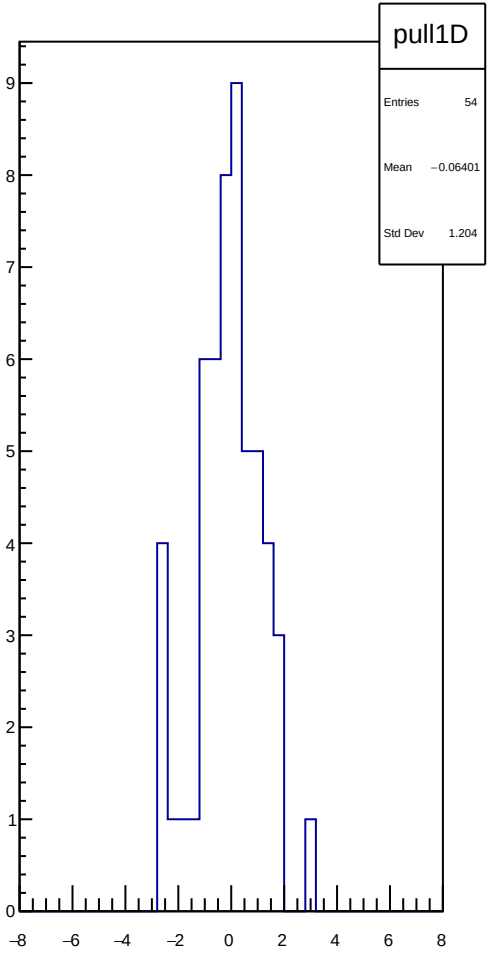

pull1D
Entries 54
Mean 0.003019
Std Dev 1.022
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

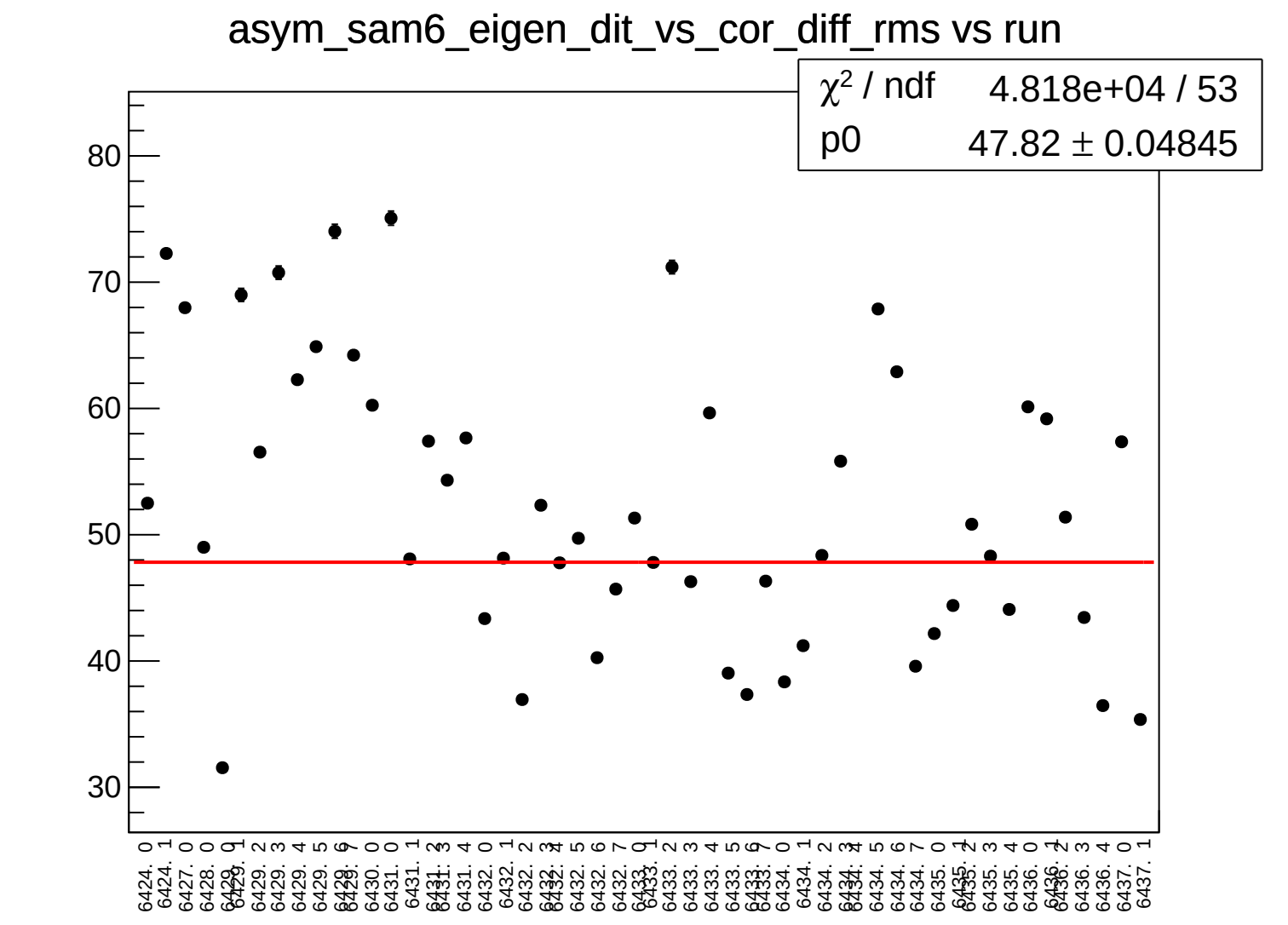

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3495 / 53
p0 0.001913 ± 1.895e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

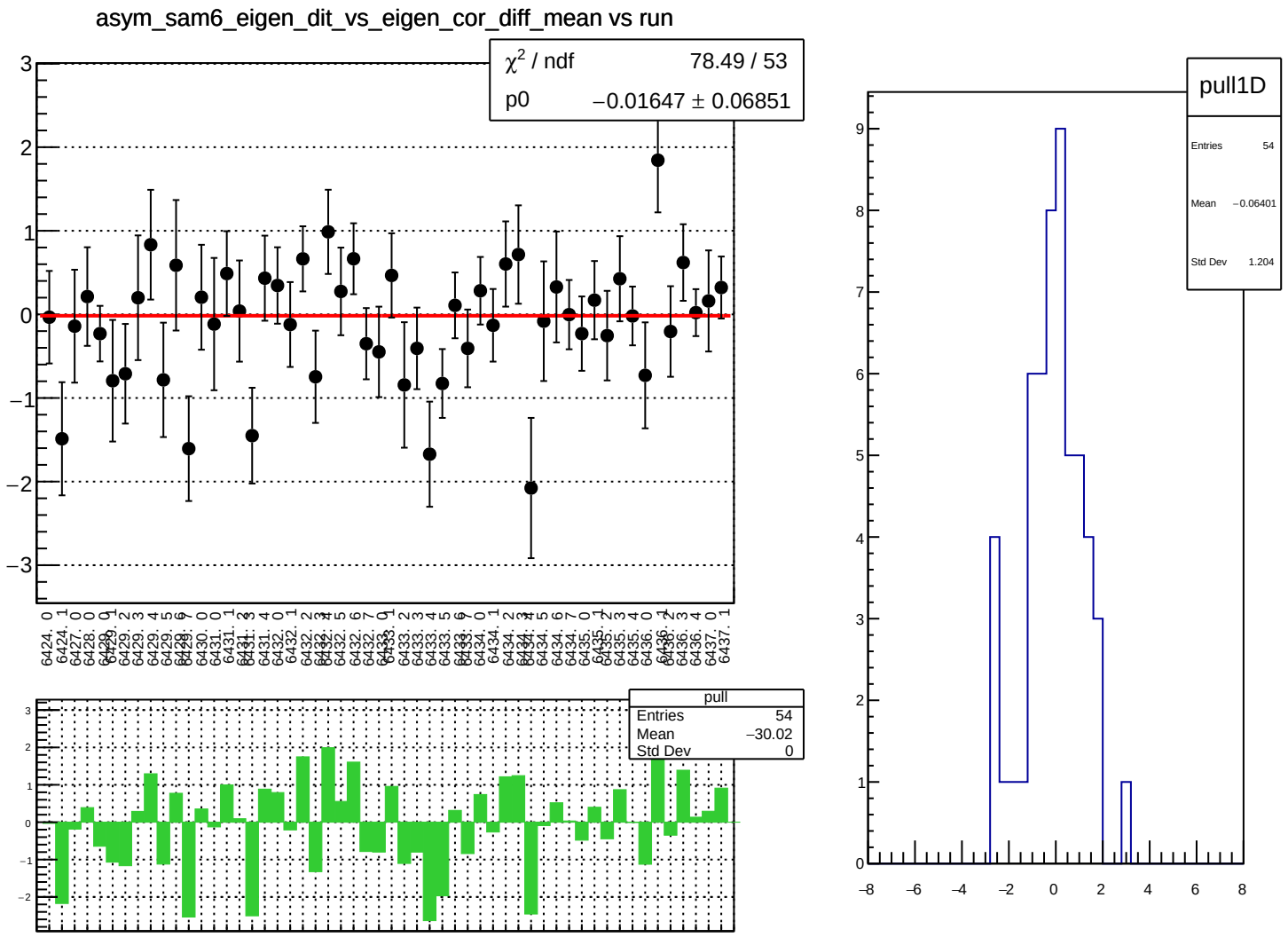
asym_sam6_eigen_dit_vs_cor_diff_mean vs run

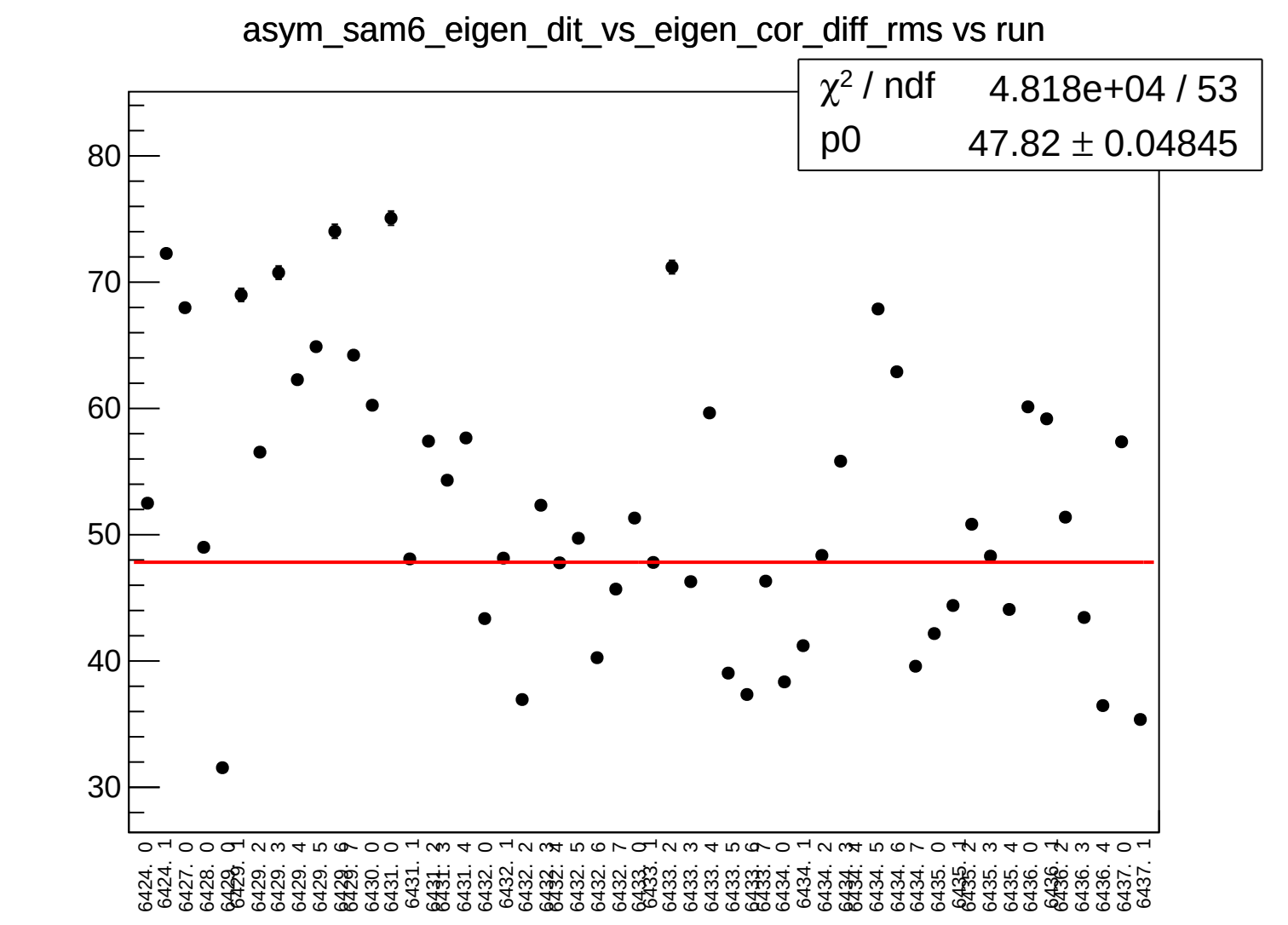


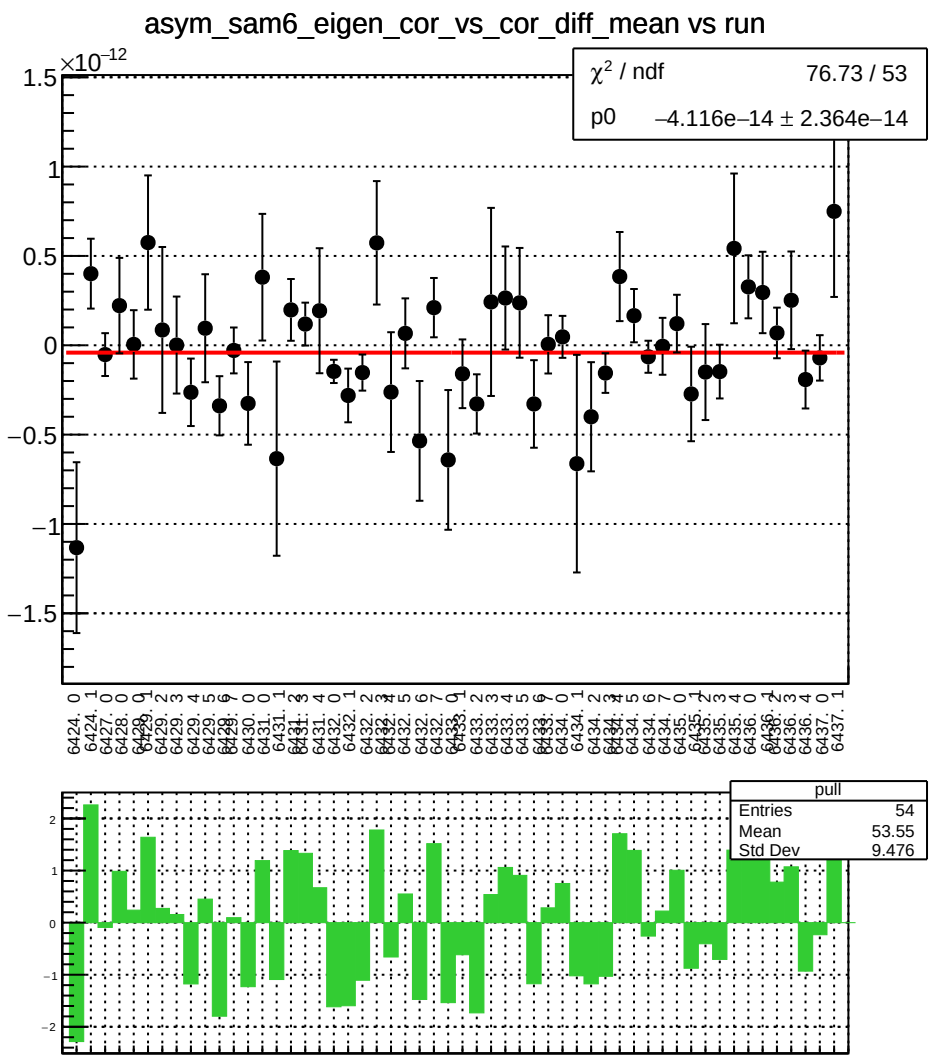


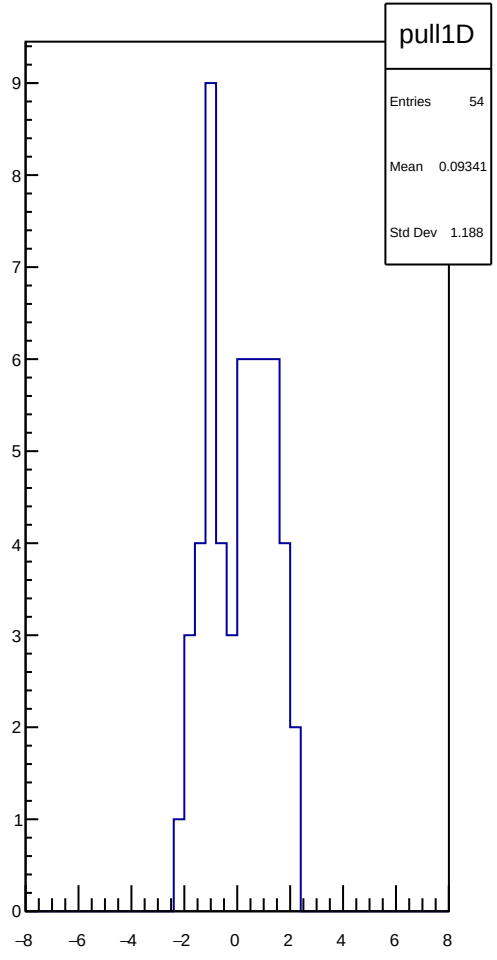


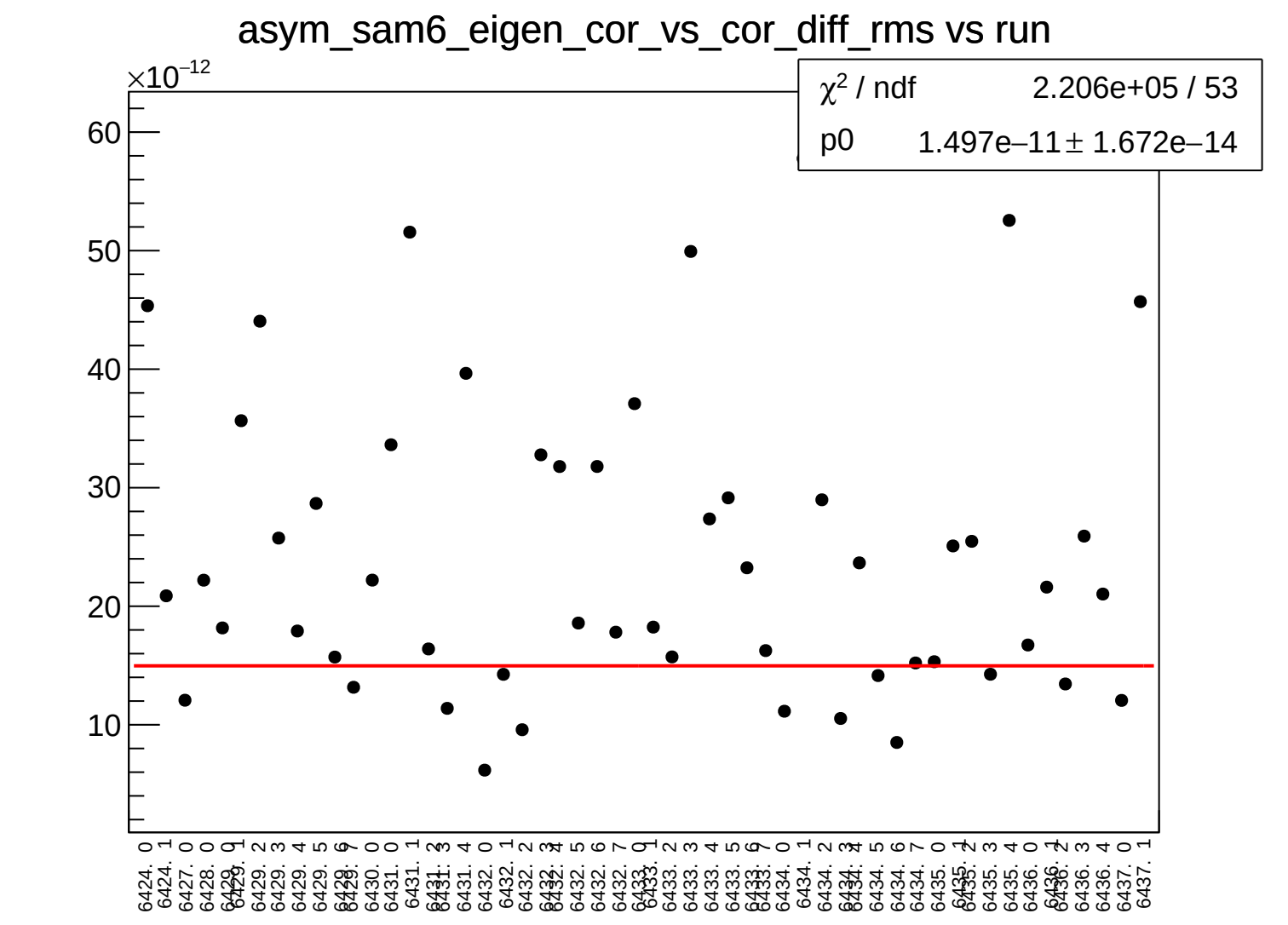

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.818e+04 / 53
p0 47.82 ± 0.04845
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

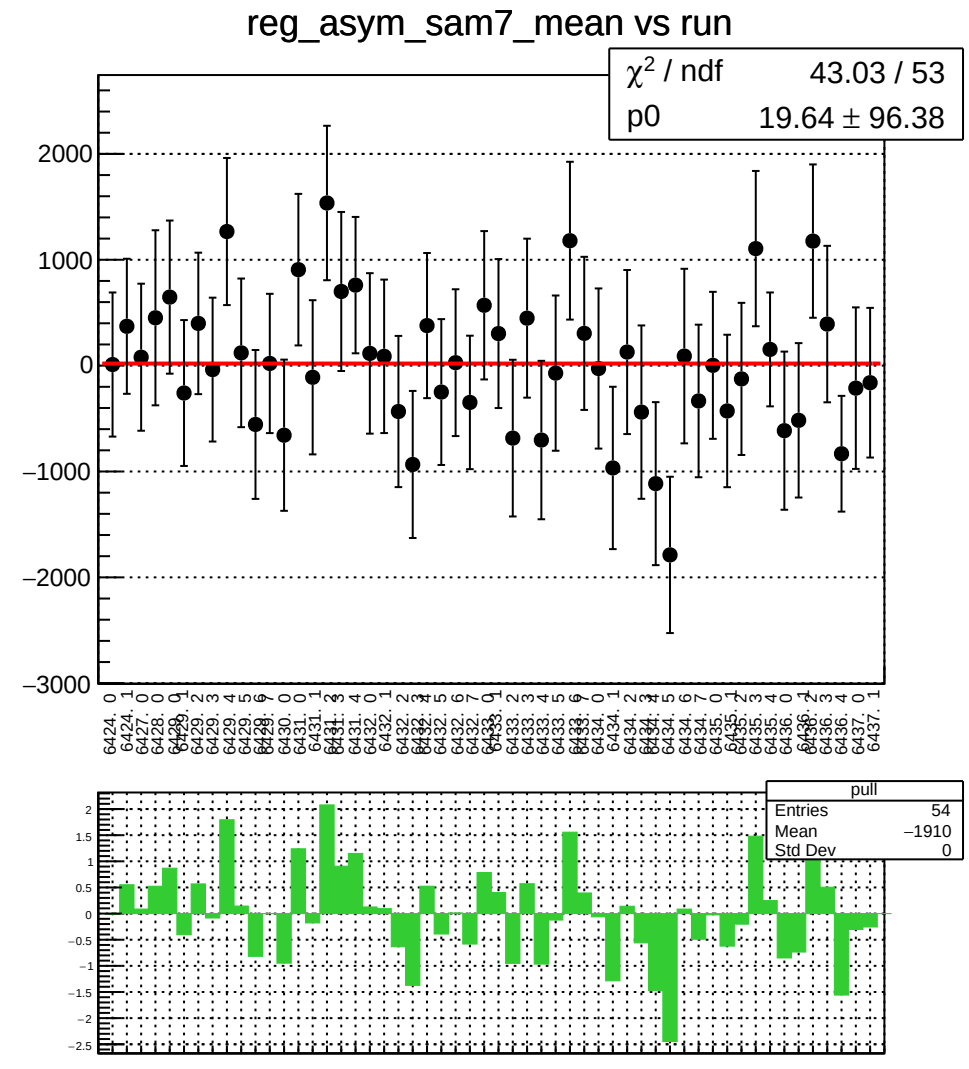

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.49 / 53
p0 −0.01647 ± 0.06851
pull
Entries 54
Mean −30.02
Std Dev 0
pull1D
Entries 54
Mean −0.06401
Std Dev 1.204

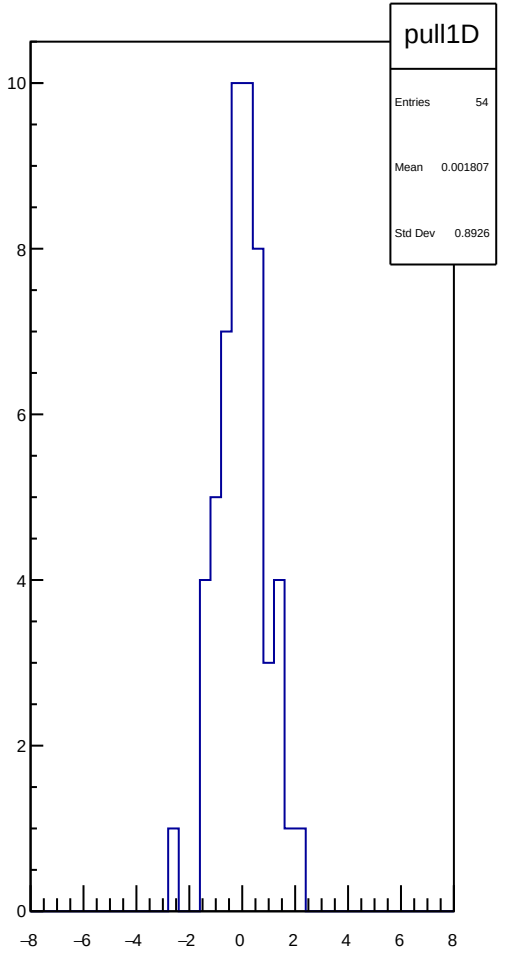

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.818e+04 / 53
p0 47.82 ± 0.04845
80
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

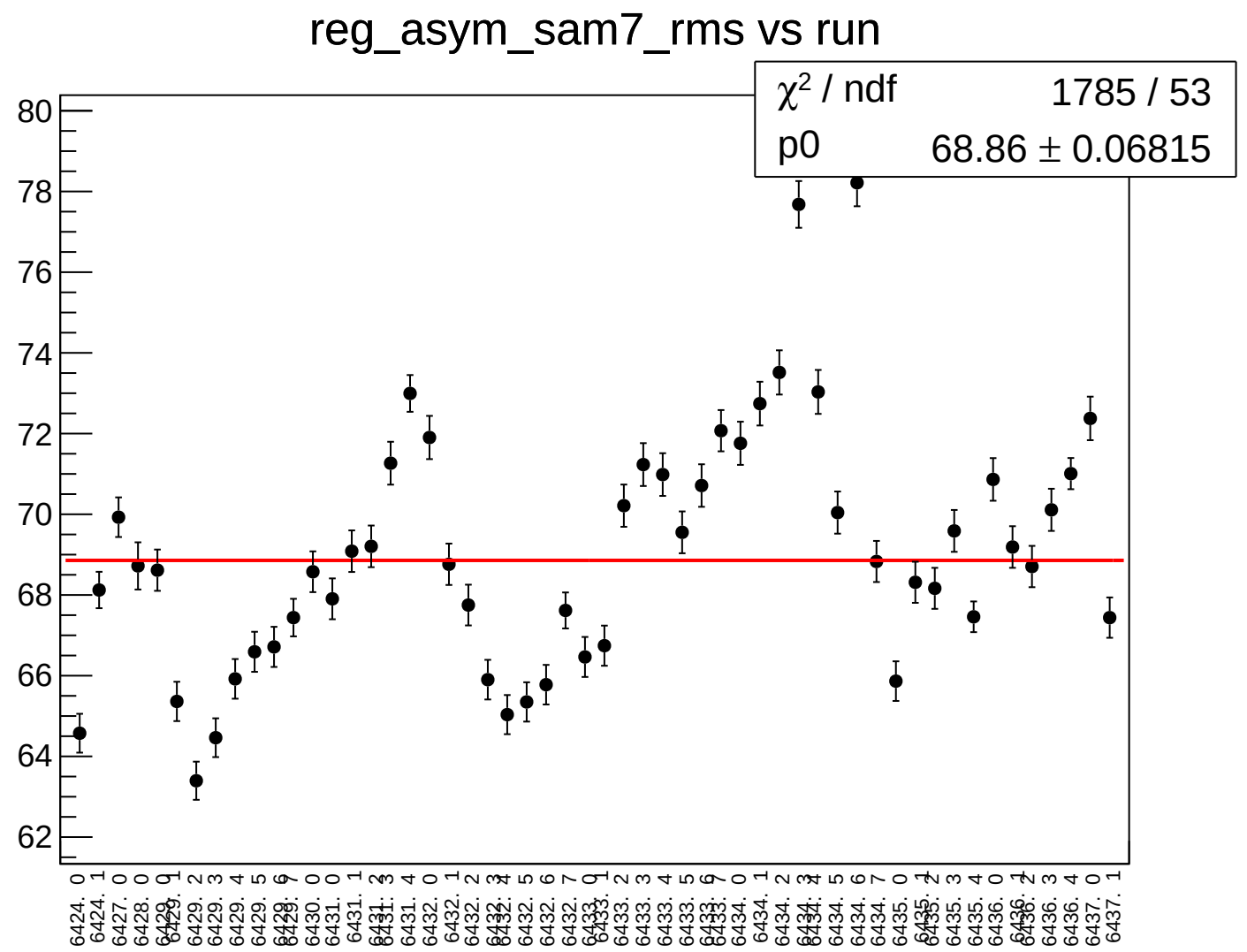

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.73 / 53
p0 −4.116e−14 ± 2.364e−14
pull
Entries 54
Mean 53.55
Std Dev 9.476

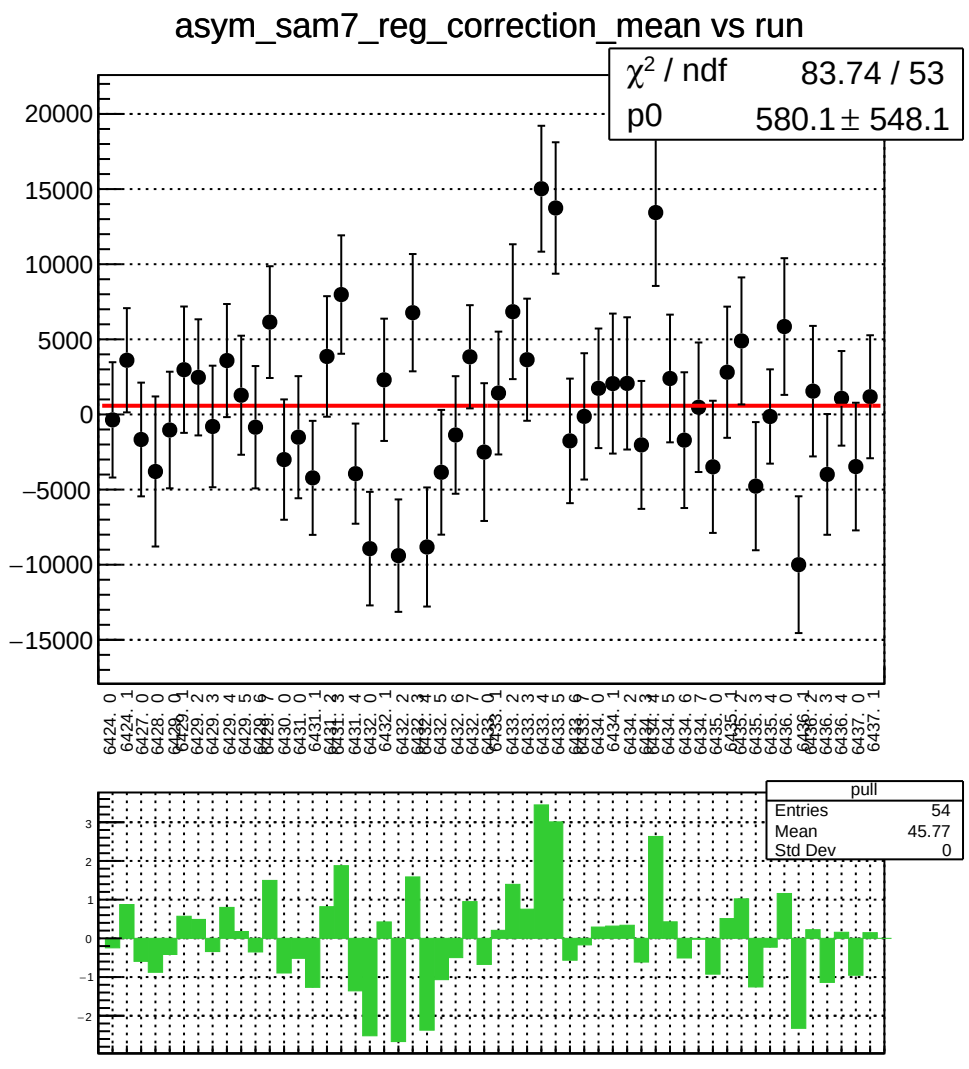

pull1D
Entries 54
Mean 0.09341
Std Dev 1.188

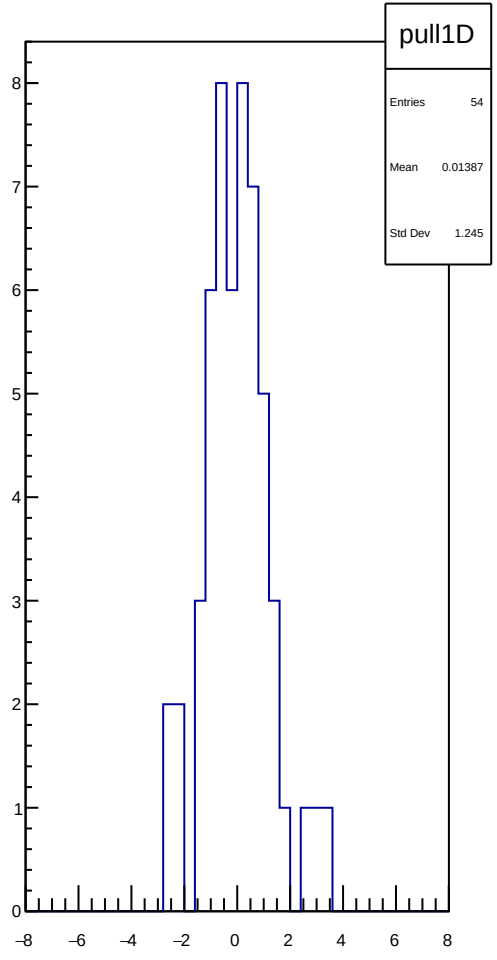

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.206e+05 / 53
p0 1.497e−11 ± 1.672e−14
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

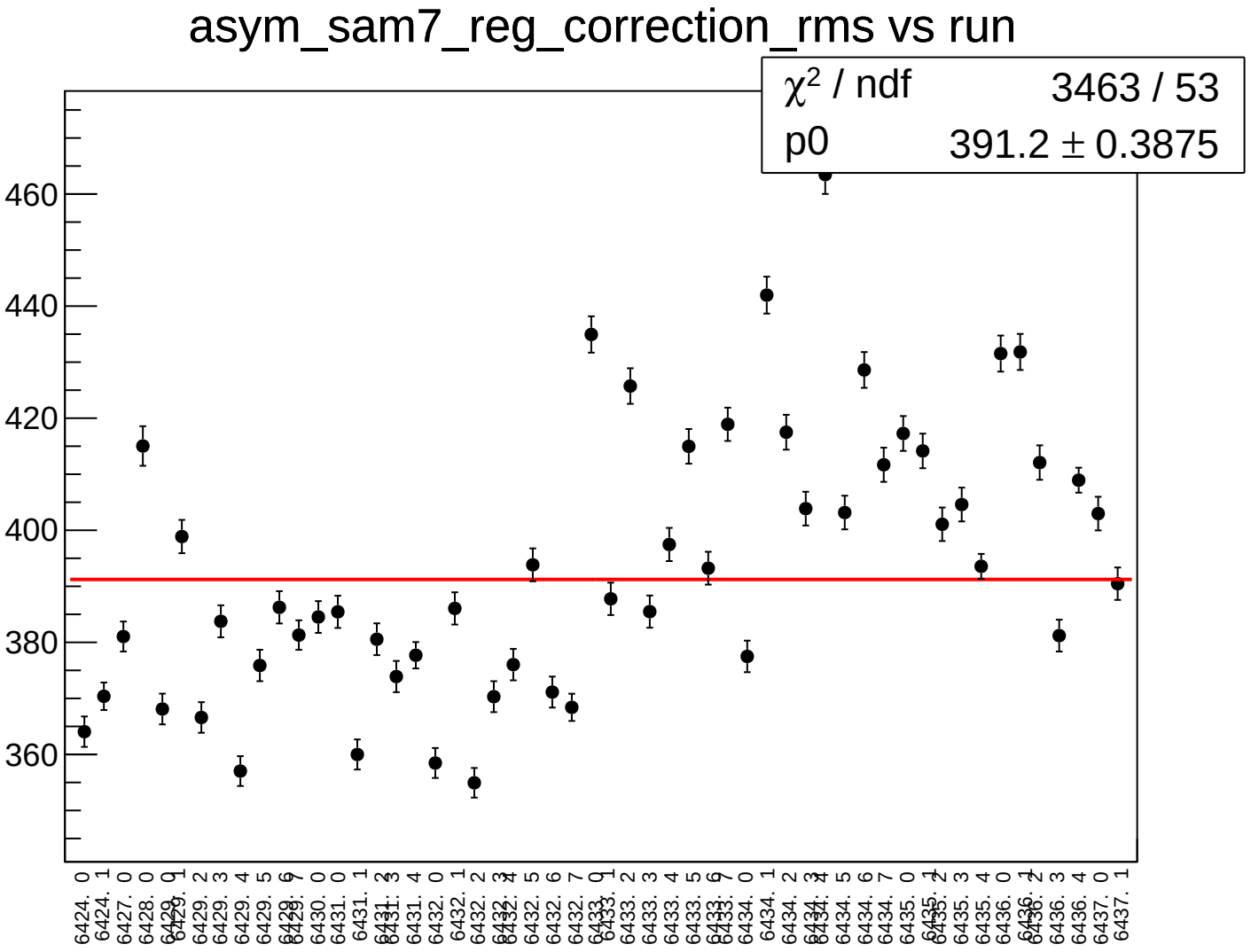

reg_asym_sam7_mean vs run
χ^2 / ndf 43.03 / 53
p0 19.64 ± 96.38
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean −1910
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

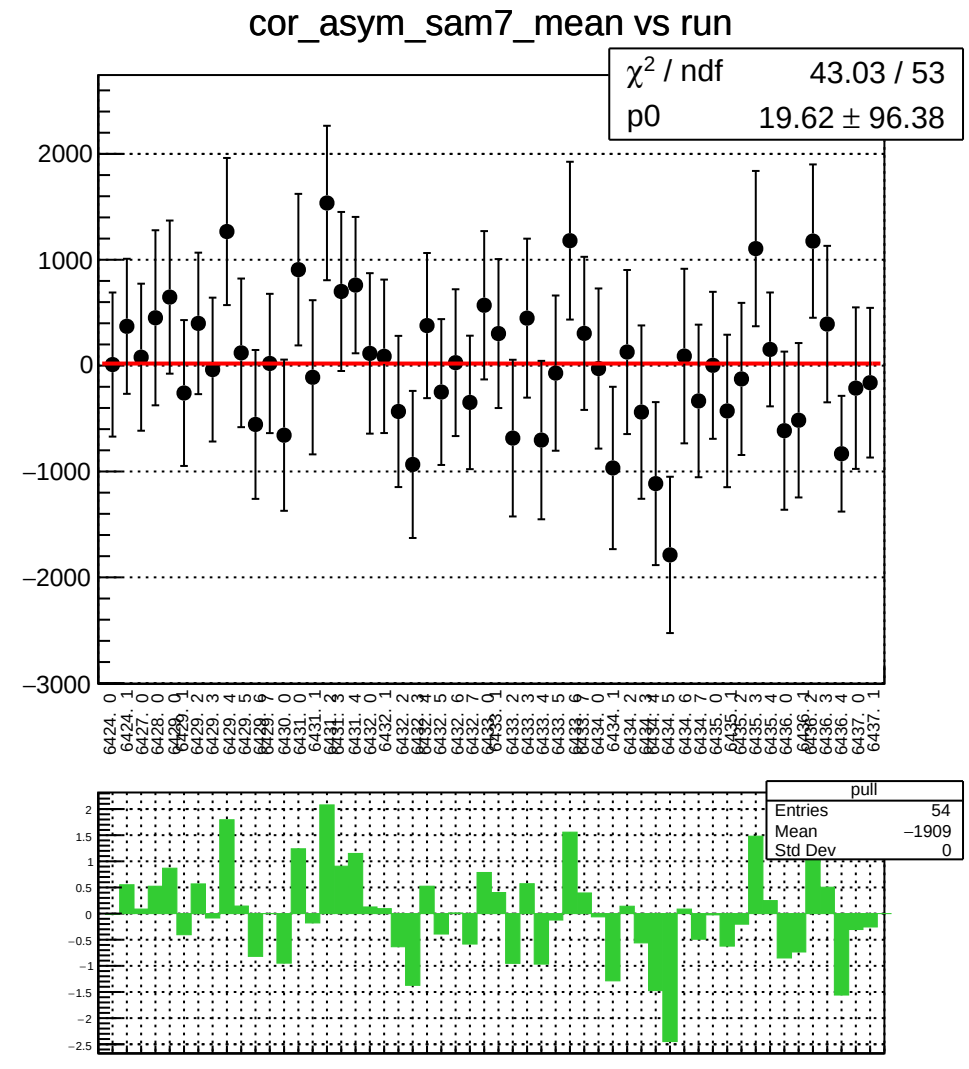

pull1D
Entries 54
Mean 0.001807
Std Dev 0.8926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

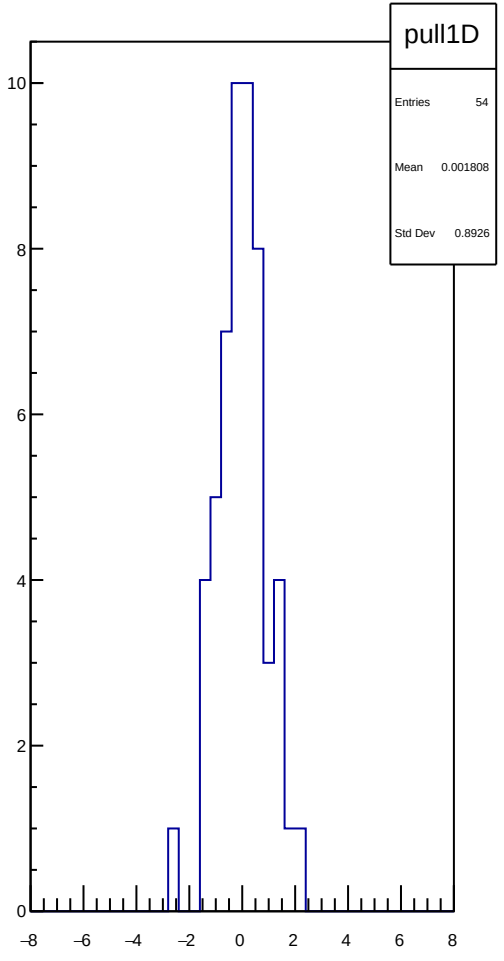

reg_asym_sam7_rms vs run
χ² / ndf 1785 / 53
p0 68.86 ± 0.06815
80
78
76
74
72
70
68
66
64
62
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

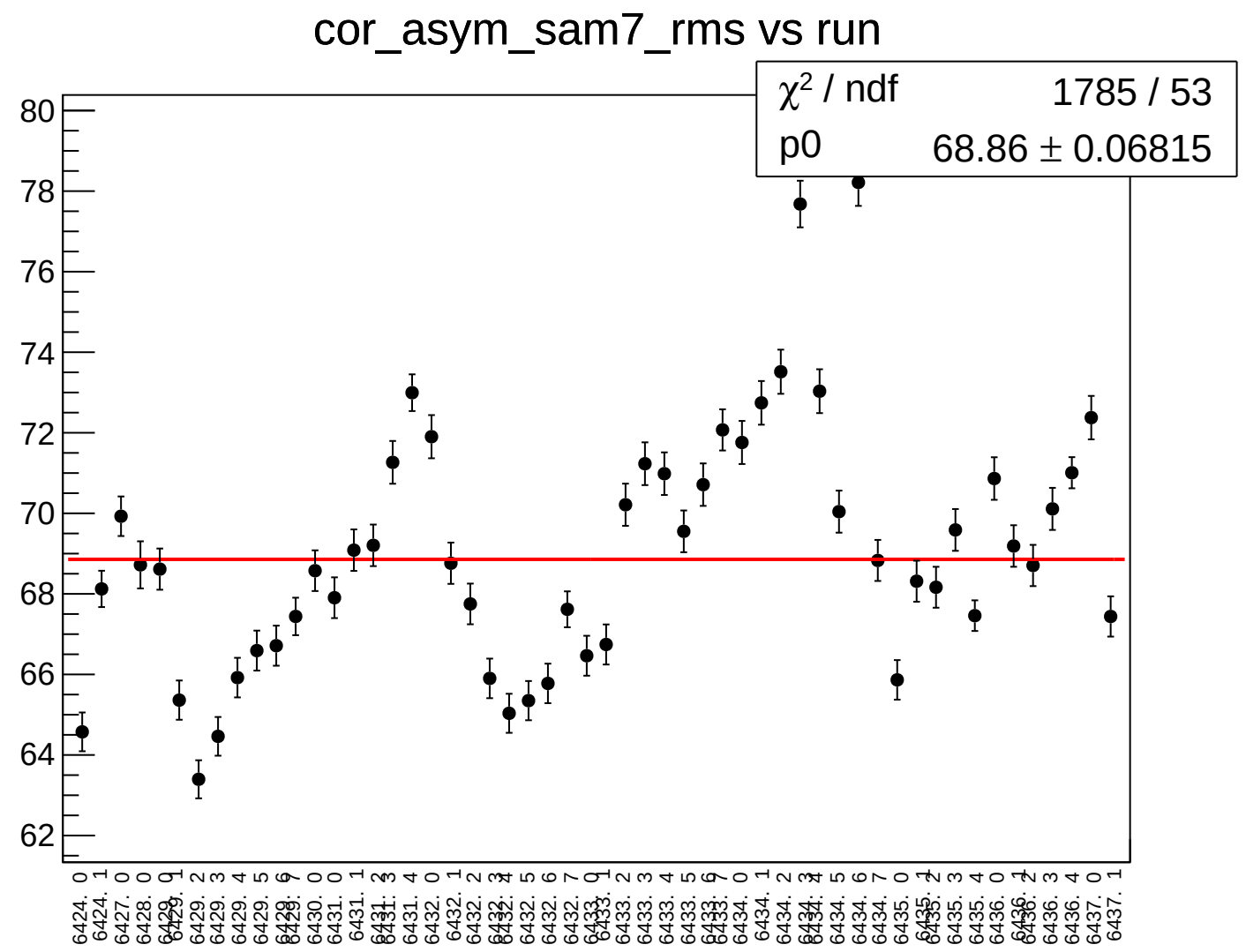

asym_sam7_reg_correction_mean vs run
χ² / ndf 83.74 / 53
p0 580.1 ± 548.1
pull
Entries 54
Mean 45.77
Std Dev 0

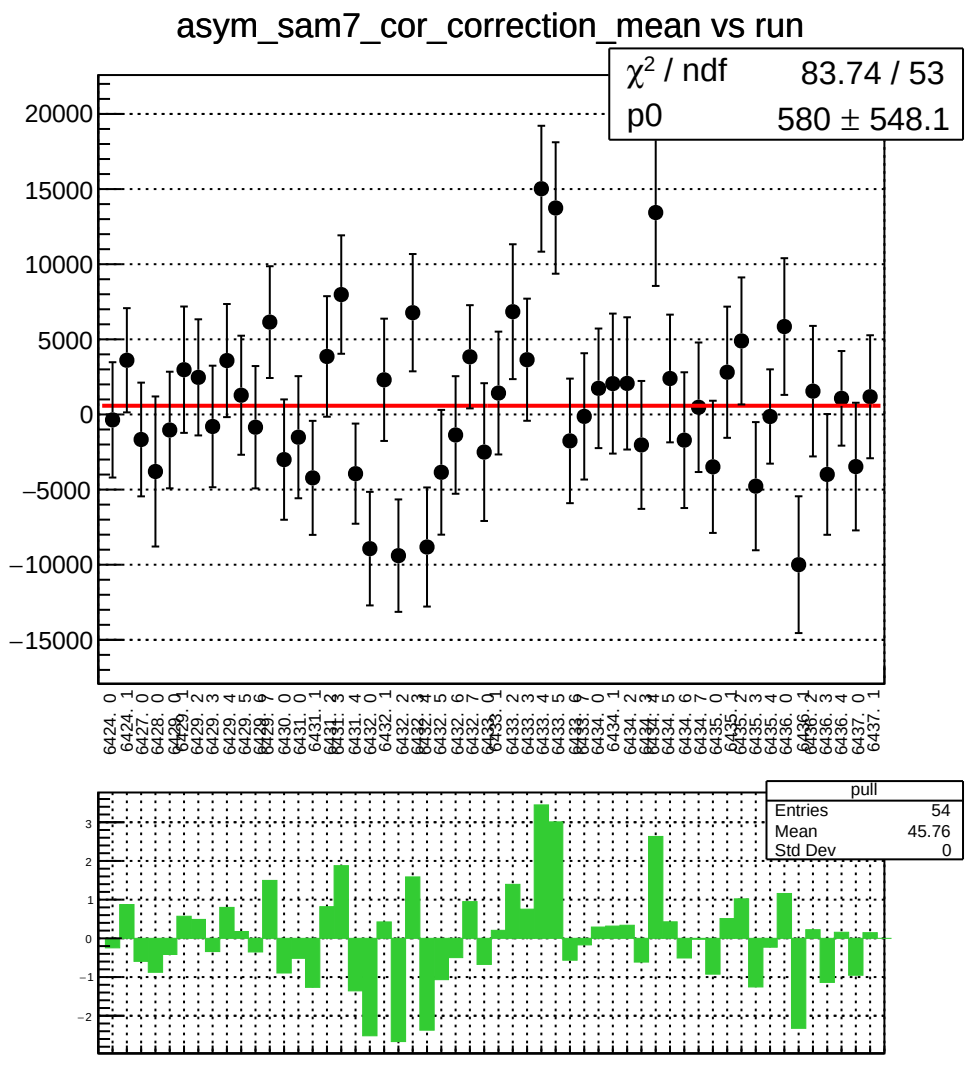

pull1D
Entries 54
Mean 0.01387
Std Dev 1.245

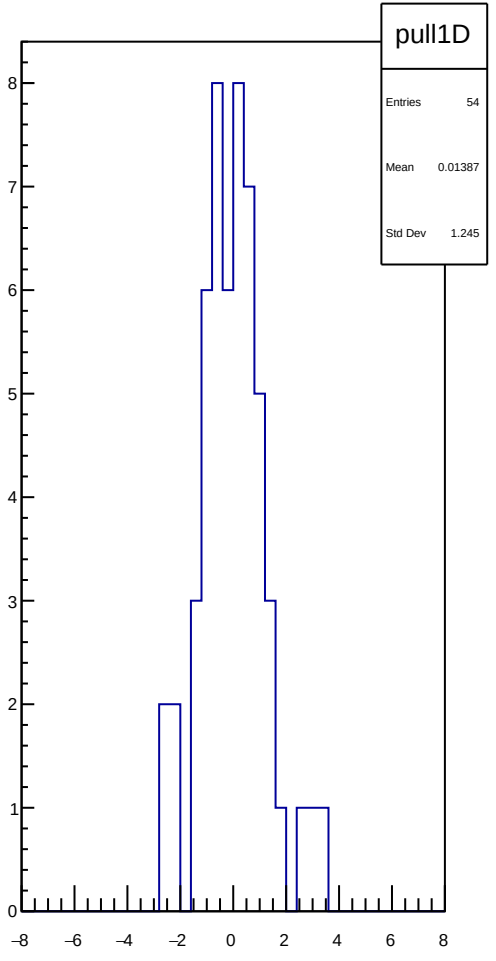

asym_sam7_reg_correction_rms vs run
χ² / ndf 3463 / 53
p0 391.2 ± 0.3875
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

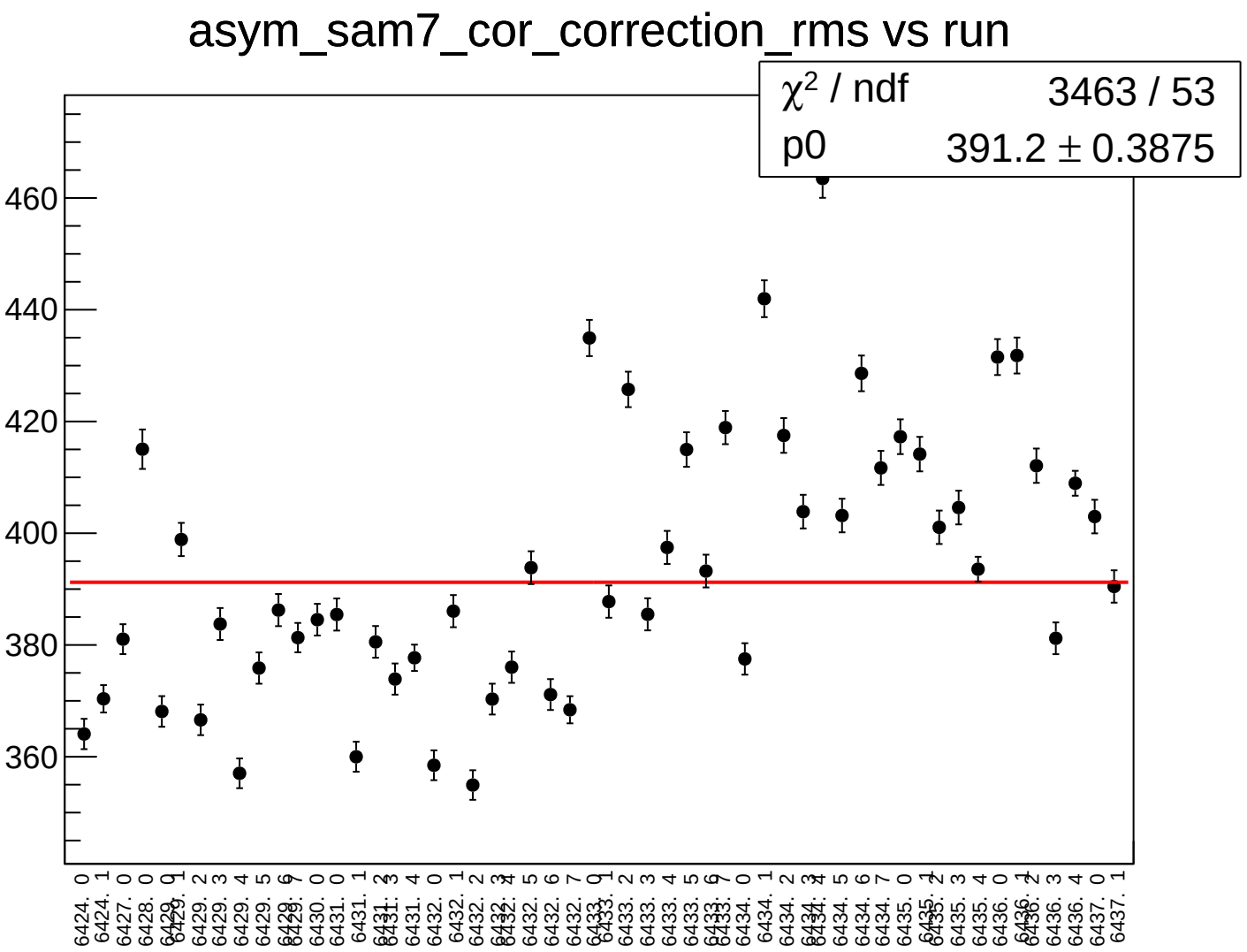

cor_asym_sam7_mean vs run
χ² / ndf 43.03 / 53
p0 19.62 ± 96.38
pull
Entries 54
Mean −1909
Std Dev 0

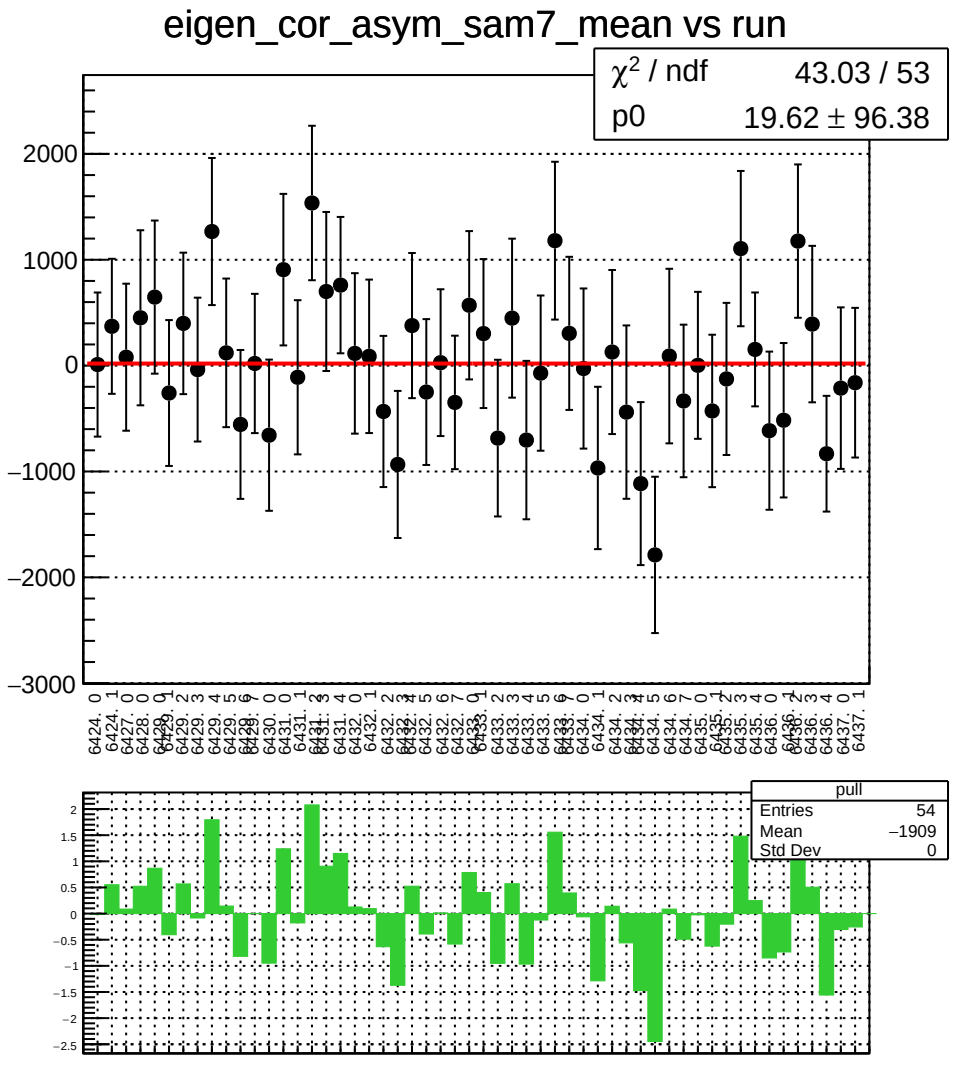

pull1D
Entries 54
Mean 0.001808
Std Dev 0.8926

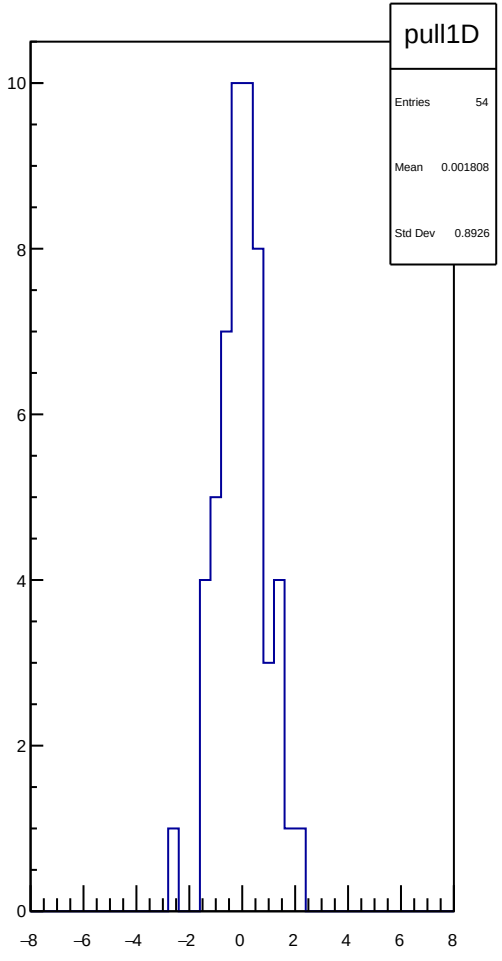

cor_asym_sam7_rms vs run
χ^2 / ndf 1785 / 53
p0 68.86 ± 0.06815
80
78
76
74
72
70
68
66
64
62
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

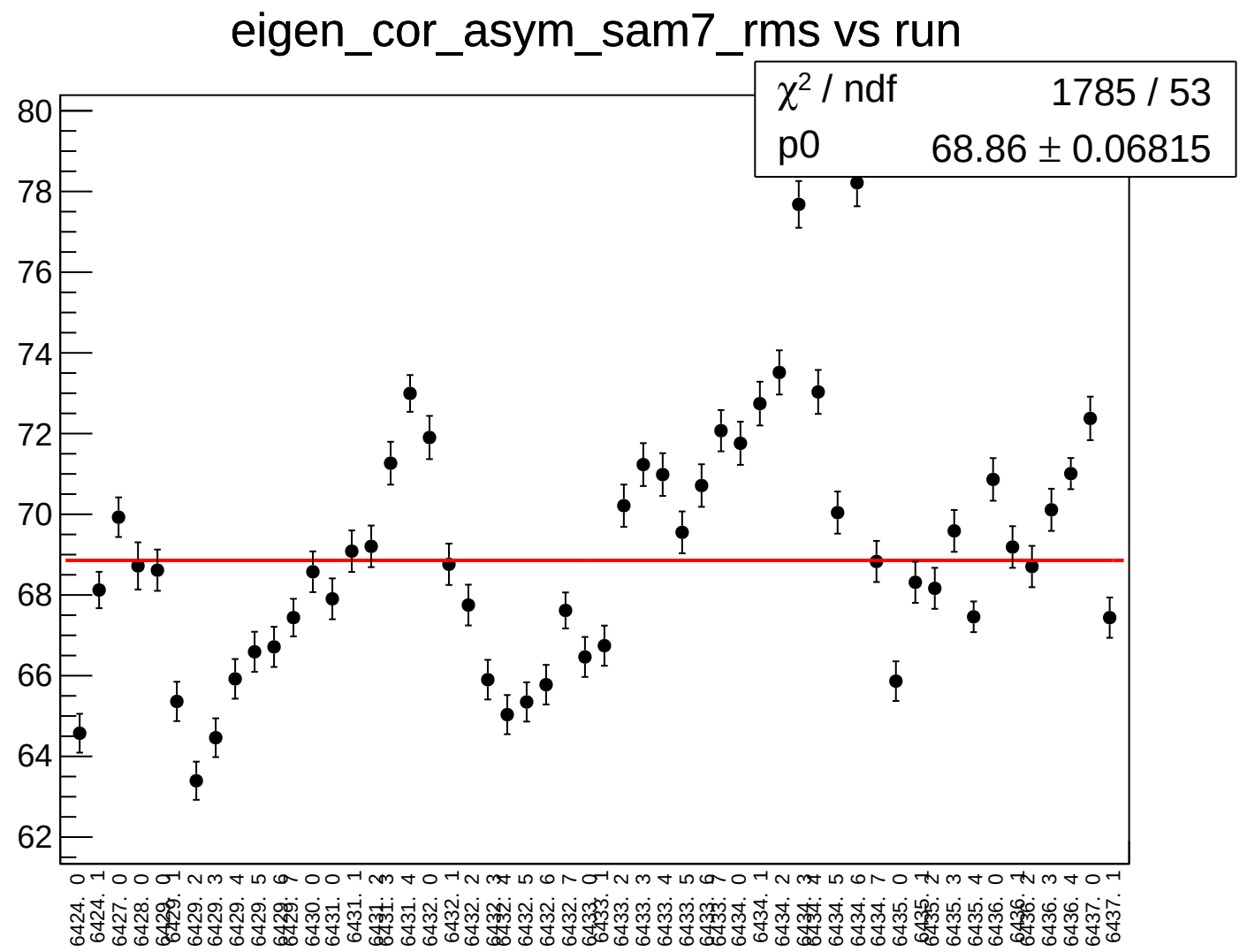

asym_sam7_cor_correction_mean vs run
χ² / ndf 83.74 / 53
p0 580 ± 548.1
pull
Entries 54
Mean 45.76
Std Dev 0


pull1D
Entries 54
Mean 0.01387
Std Dev 1.245


asym_sam7_cor_correction_rms vs run
χ² / ndf 3463 / 53
p0 391.2 ± 0.3875
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam7_mean vs run
χ² / ndf 43.03 / 53
p0 19.62 ± 96.38
pull
Entries 54
Mean −1909
Std Dev 0


pull1D
Entries 54
Mean 0.001808
Std Dev 0.8926


eigen_cor_asym_sam7_rms vs run
χ² / ndf 1785 / 53
p0 68.86 ± 0.06815
80
78
76
74
72
70
68
66
64
62
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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6432. 2
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6432. 7
6433. 2
6433. 3
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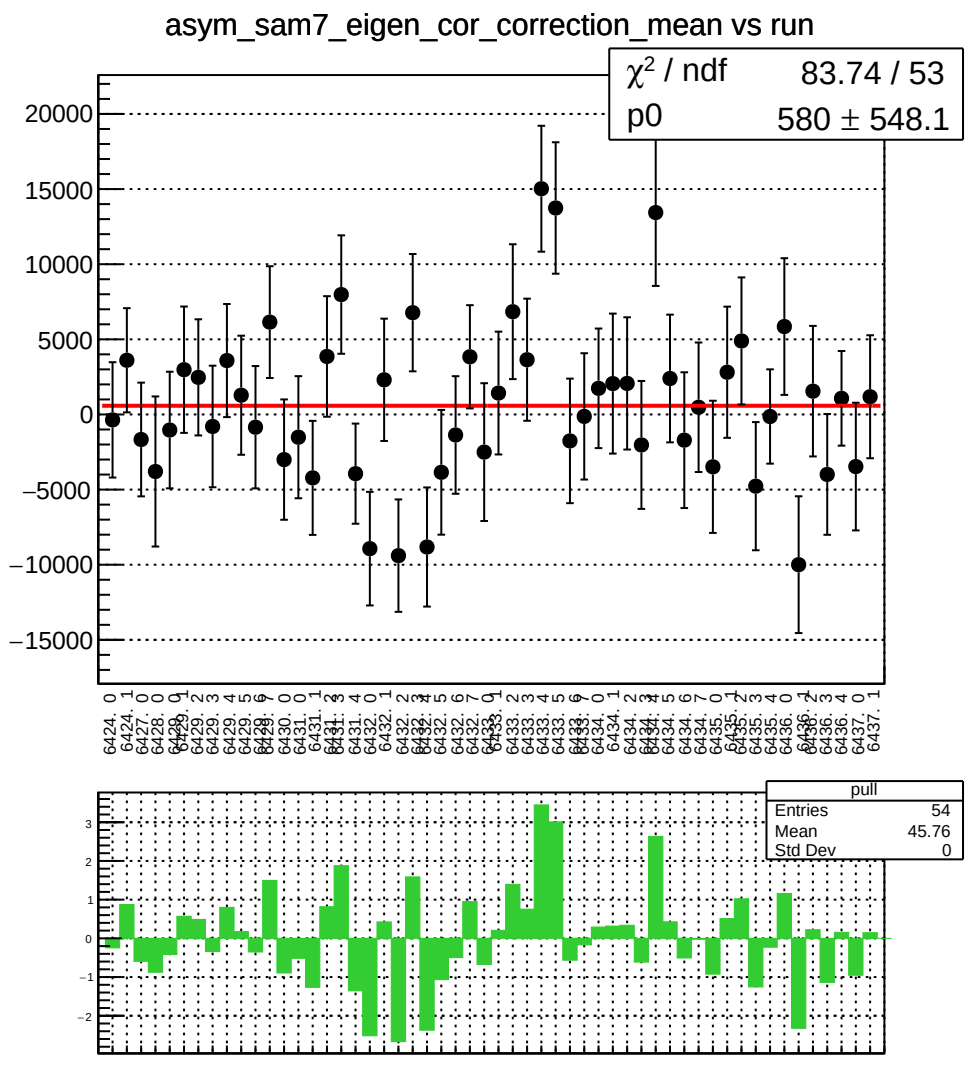
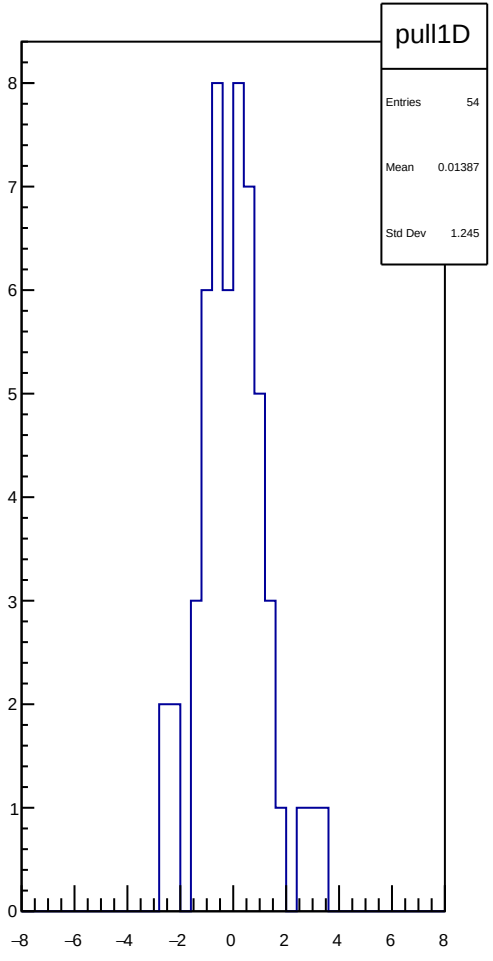
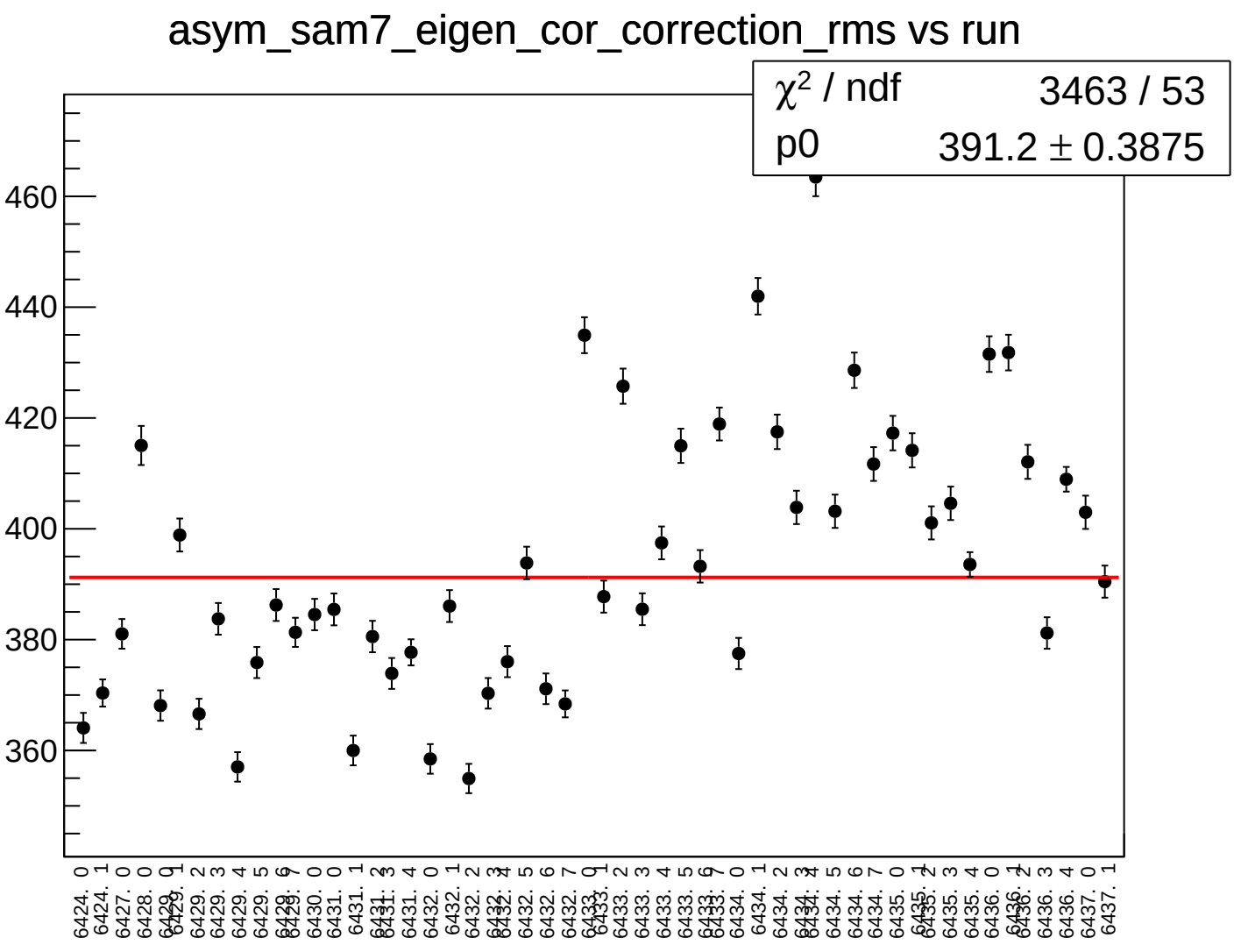
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 83.74 / 53
p0 580 ± 548.1
pull
Entries 54
Mean 45.76
Std Dev 0


pull1D
Entries 54
Mean 0.01387
Std Dev 1.245


asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3463 / 53
p0 391.2 ± 0.3875
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
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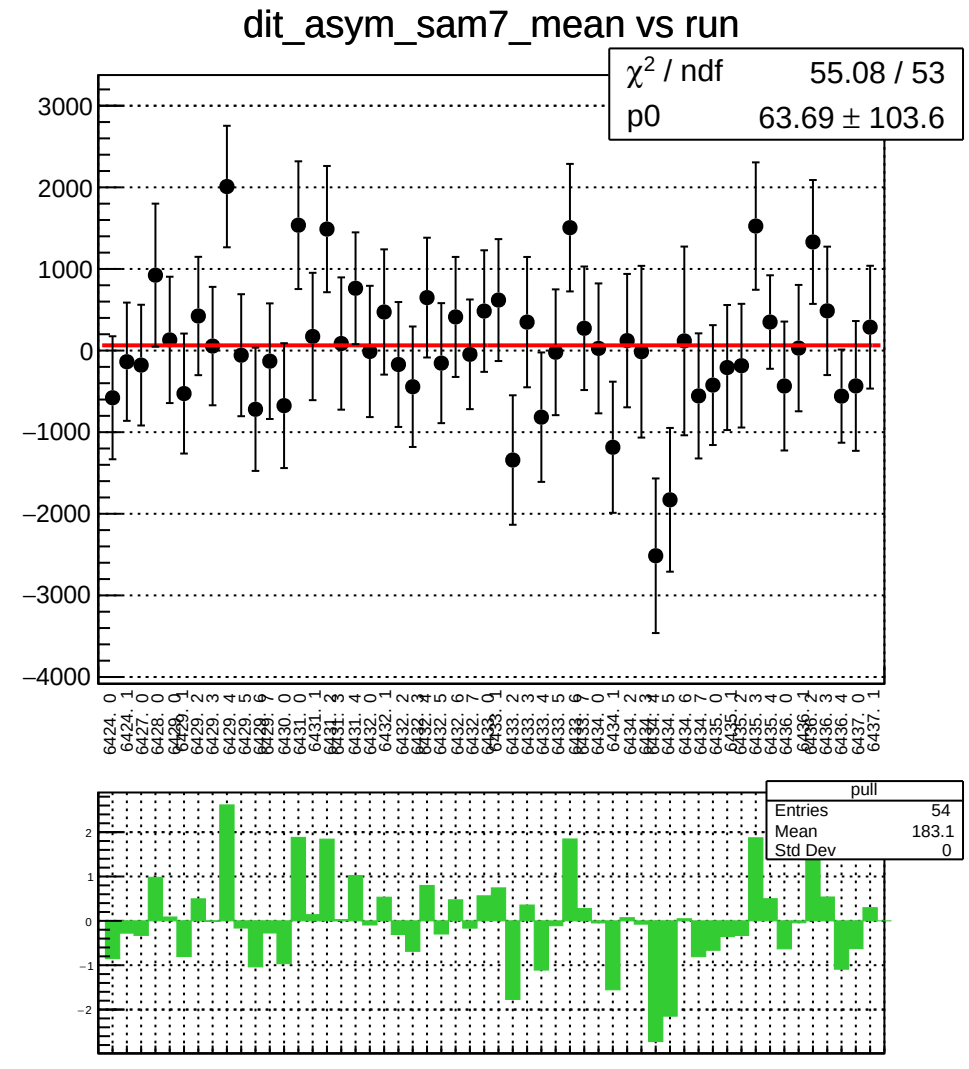
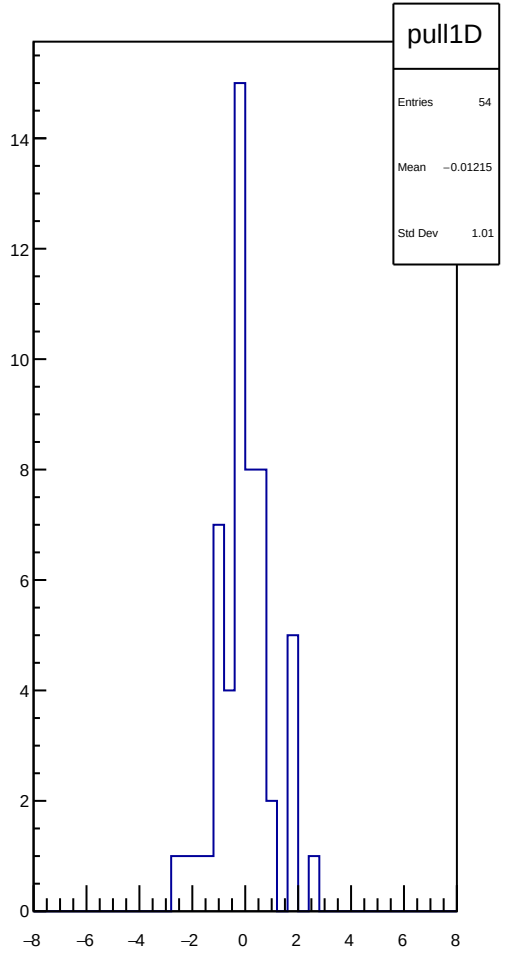
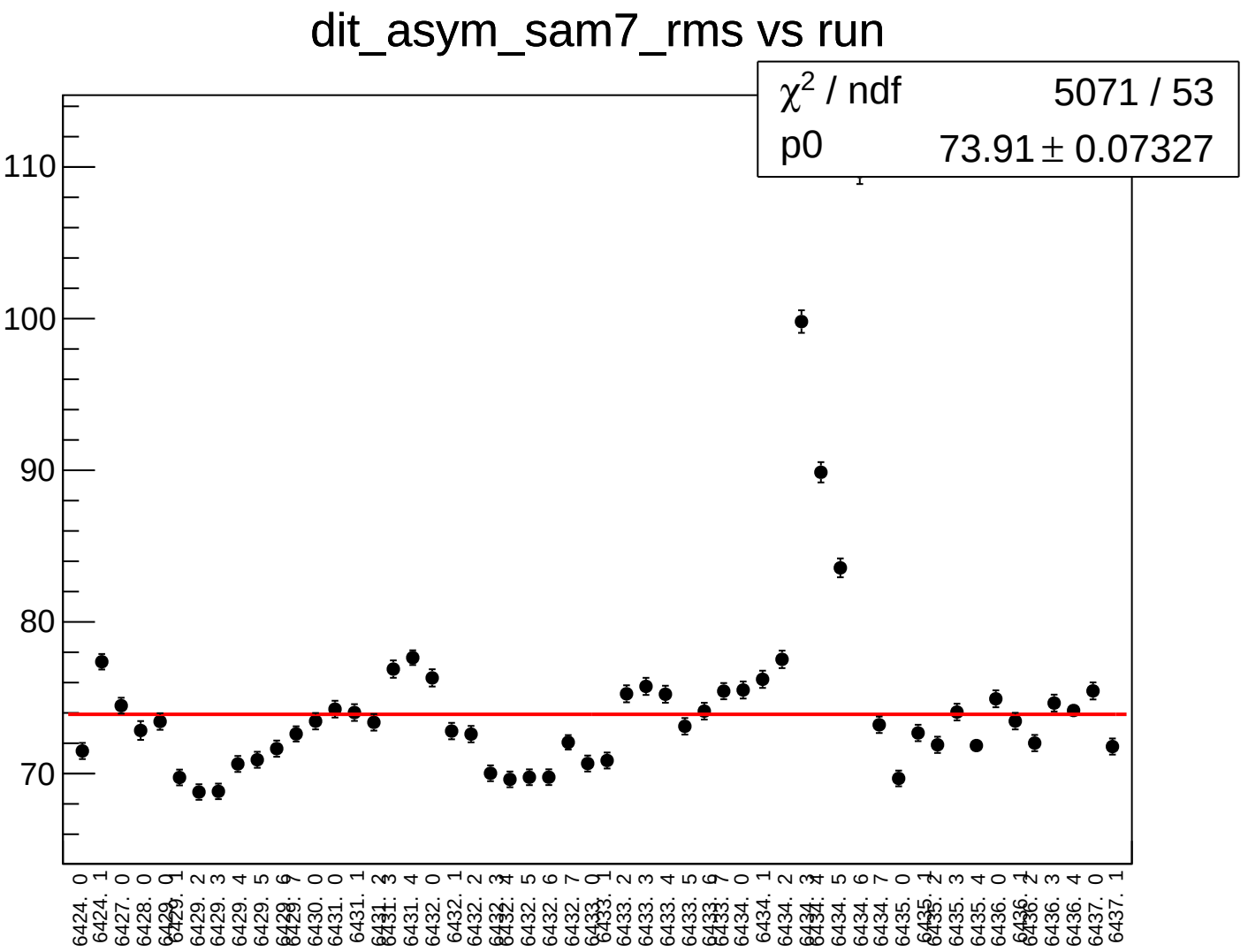
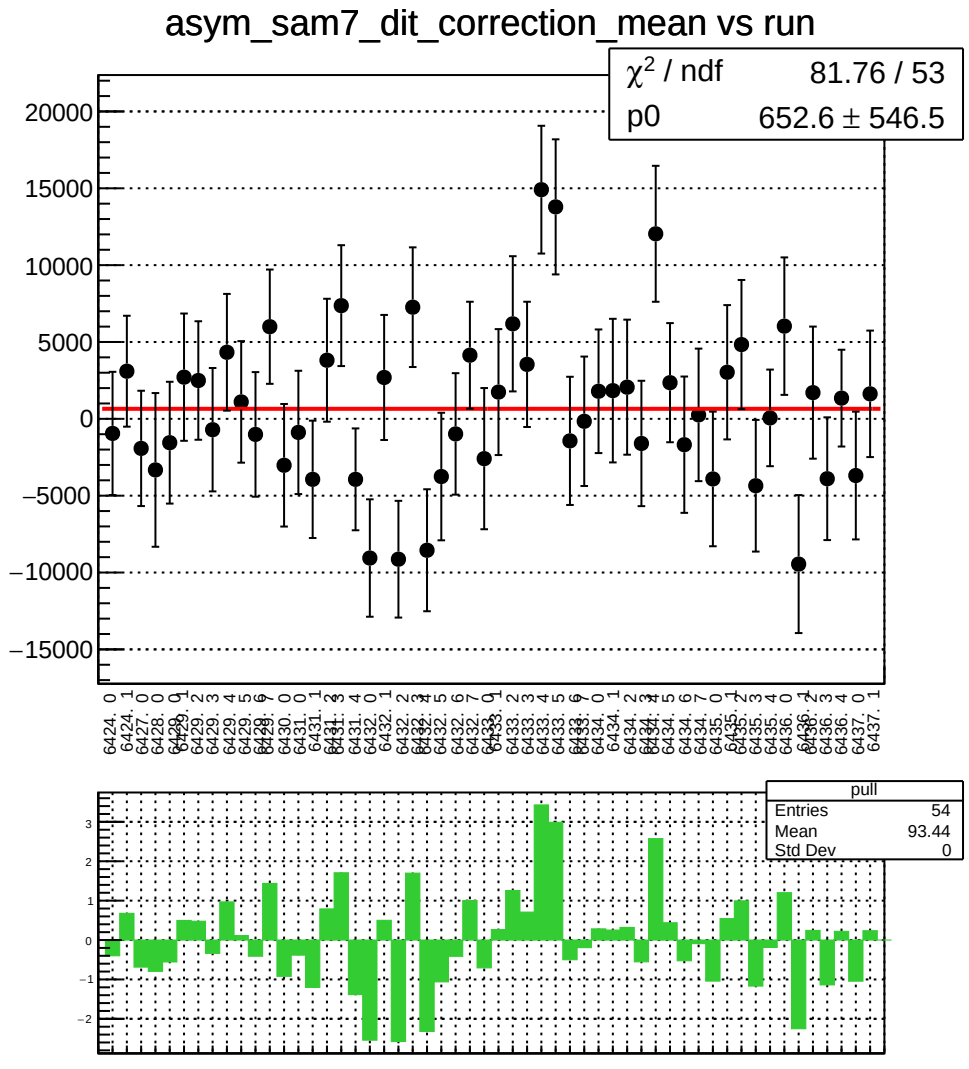
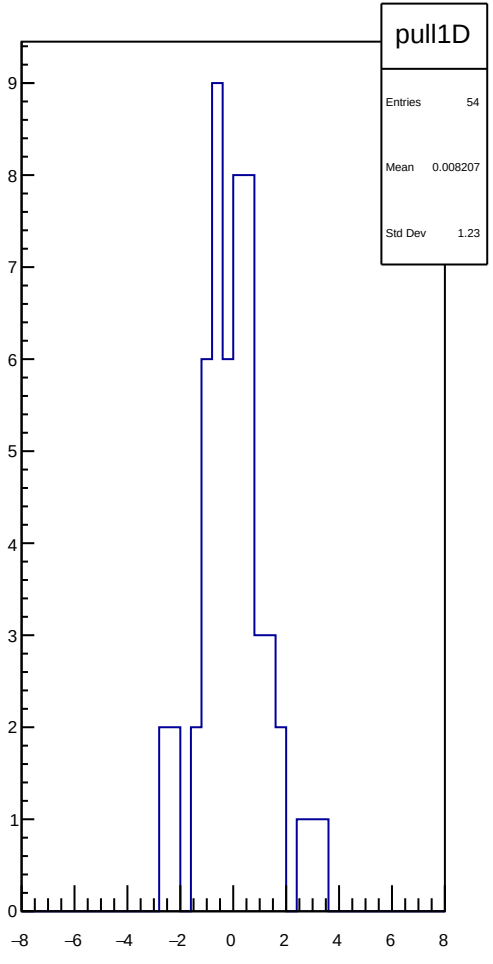
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

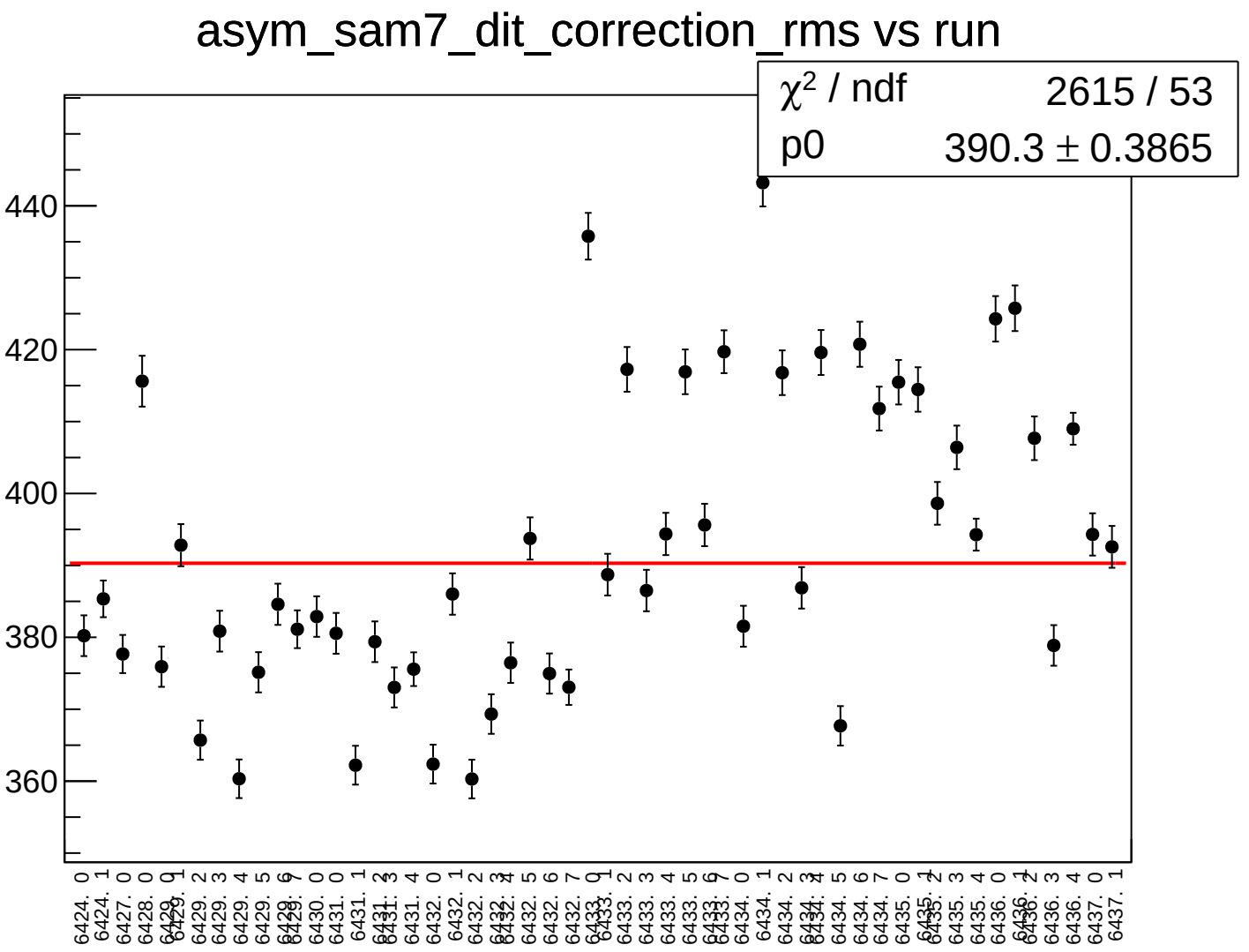

dit_asym_sam7_mean vs run
χ^2 / ndf 55.08 / 53
p0 63.69 ± 103.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 183.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01215
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam7_rms vs run
χ^2 / ndf 5071 / 53
p0 73.91 ± 0.07327
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam7_dit_correction_mean vs run
χ² / ndf 81.76 / 53
p0 652.6 ± 546.5
pull
Entries 54
Mean 93.44
Std Dev 0


pull1D
Entries 54
Mean 0.008207
Std Dev 1.23


asym_sam7_dit_correction_rms vs run
χ² / ndf 2615 / 53
p0 390.3 ± 0.3865
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
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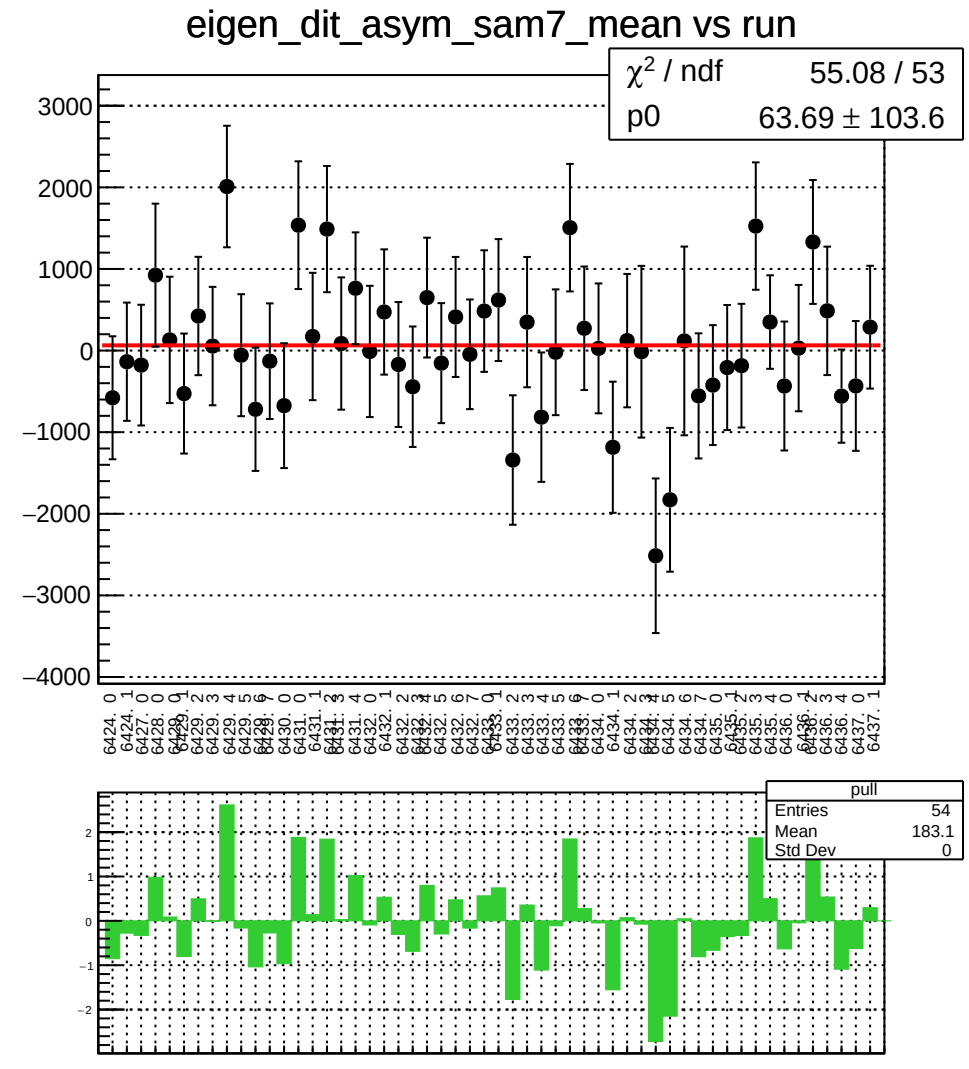
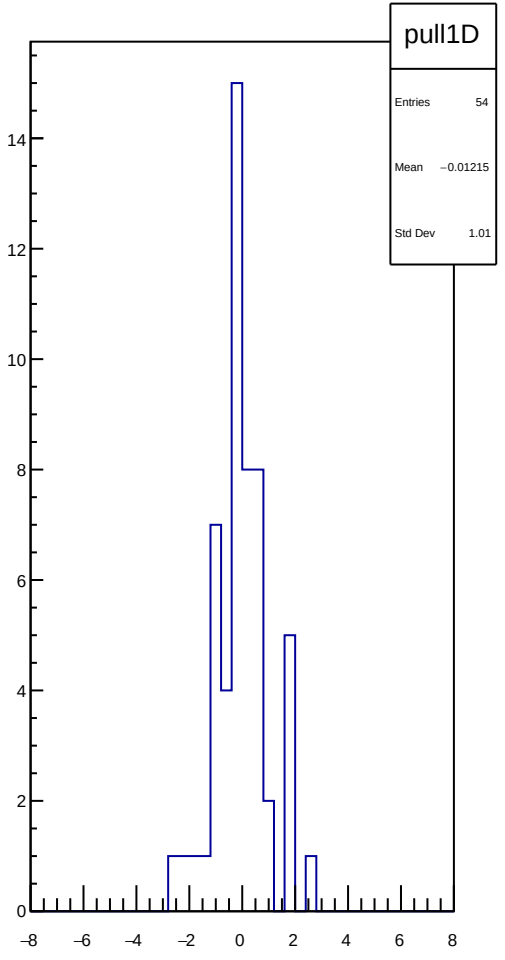
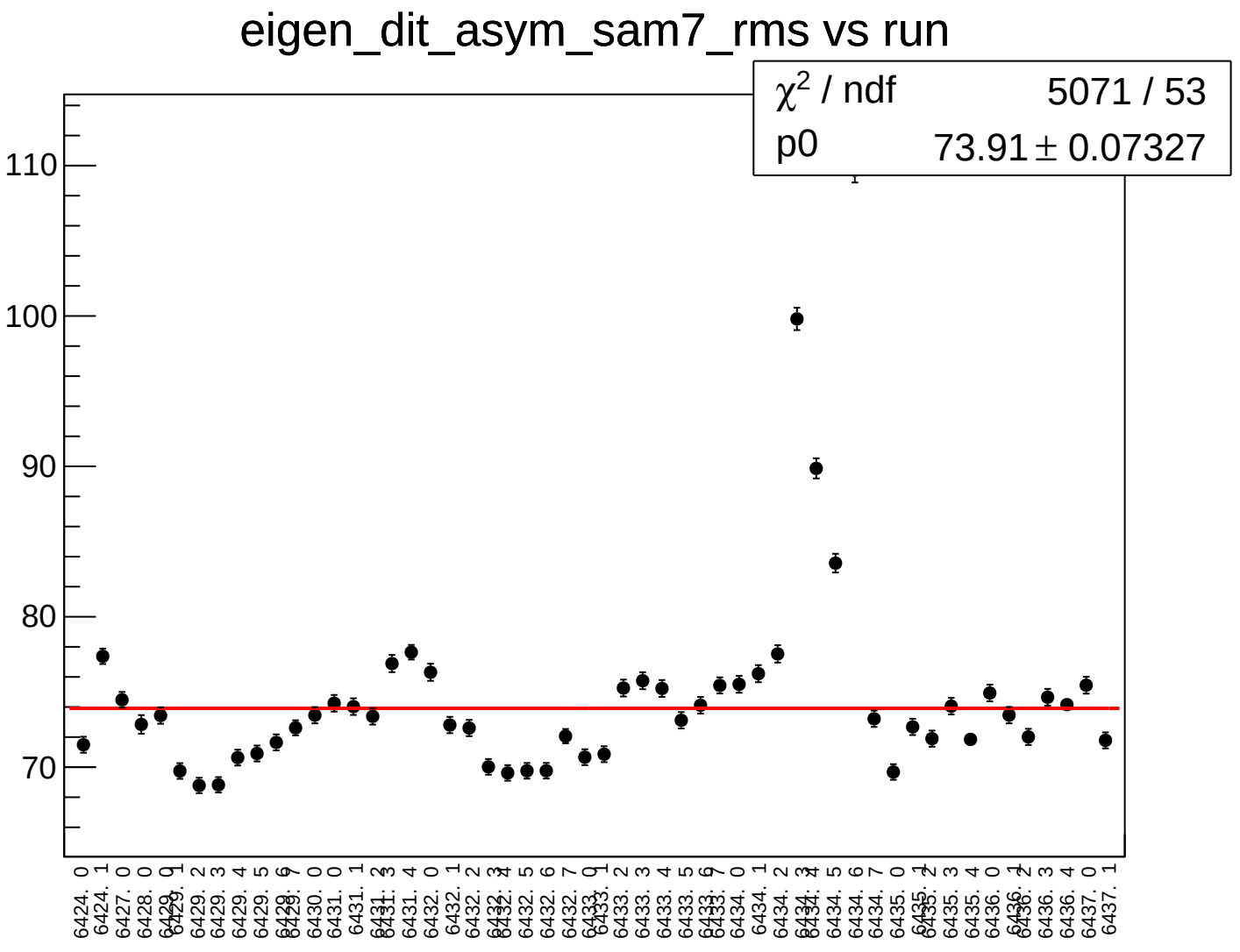
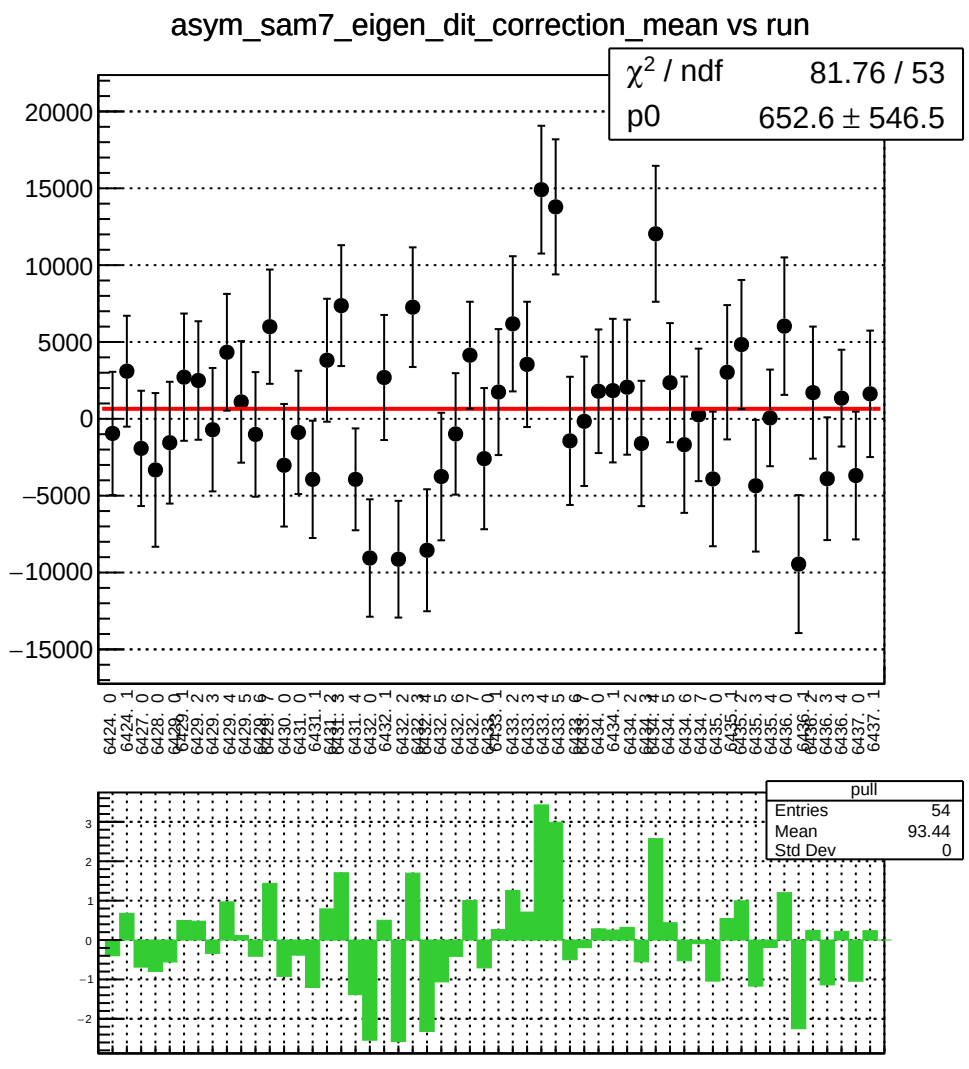
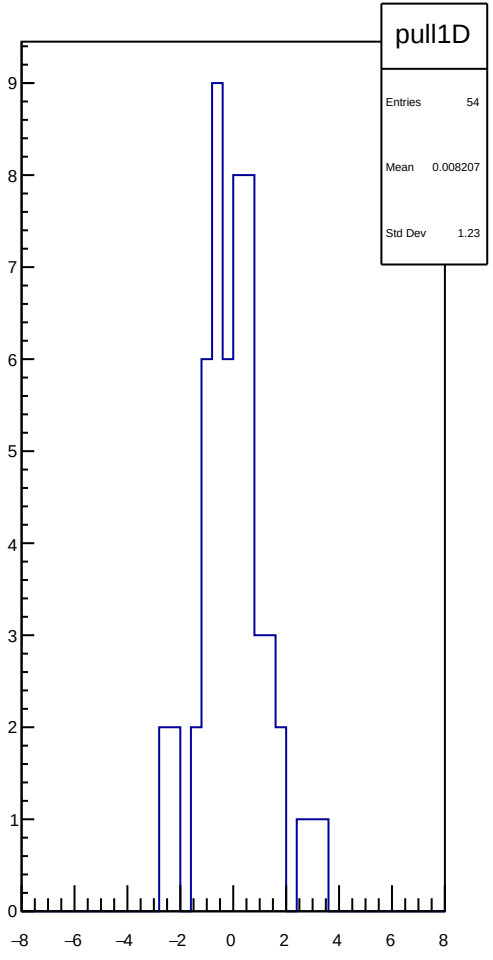
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

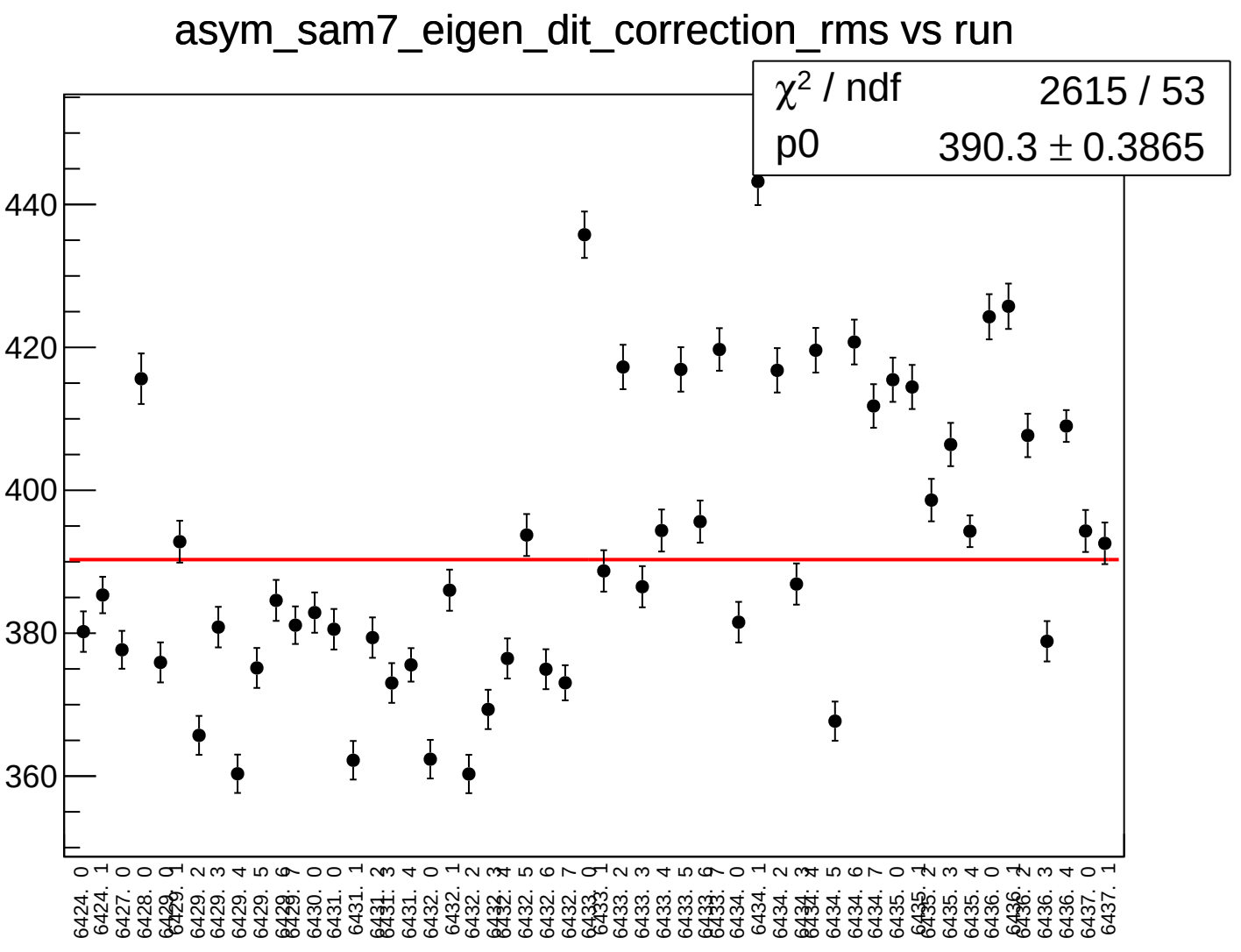

eigen_dit_asym_sam7_mean vs run
χ² / ndf 55.08 / 53
p0 63.69 ± 103.6
pull
Entries 54
Mean 183.1
Std Dev 0

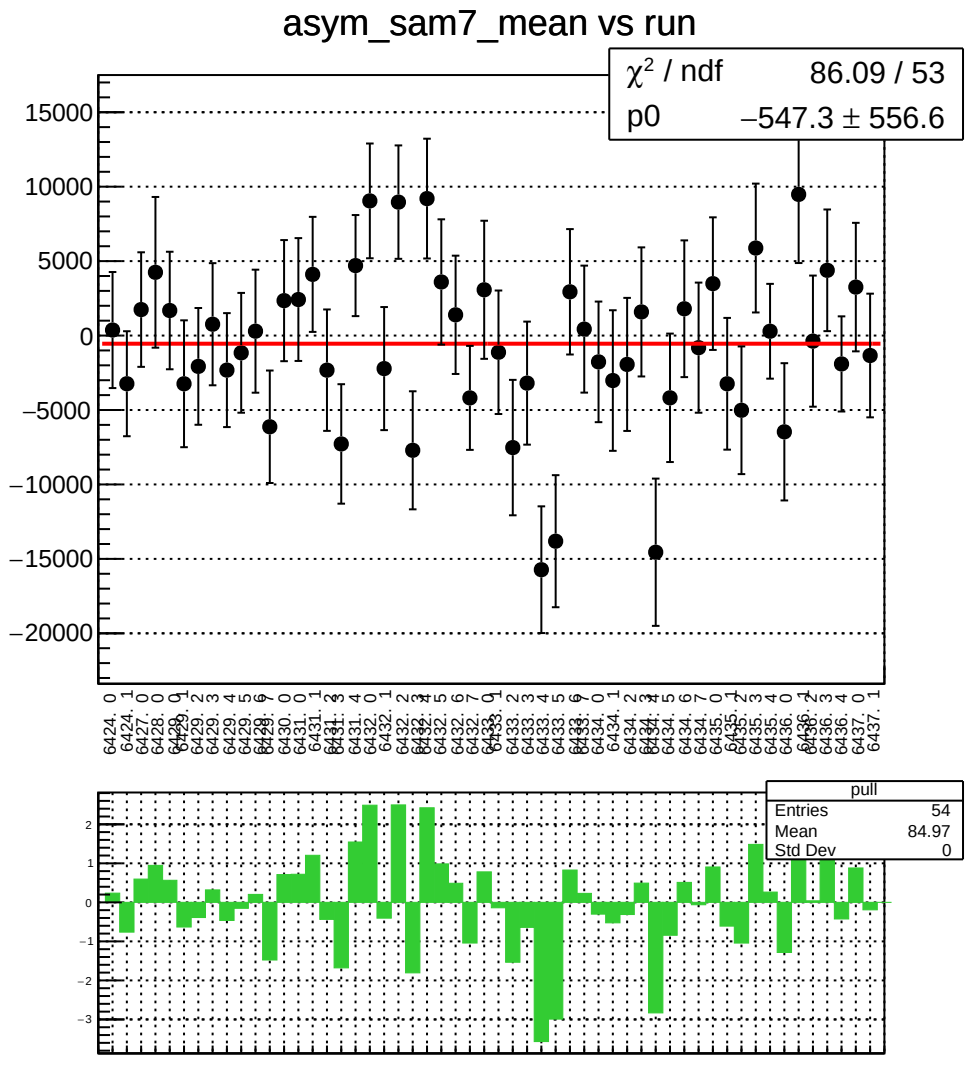

pull1D
Entries 54
Mean −0.01215
Std Dev 1.01

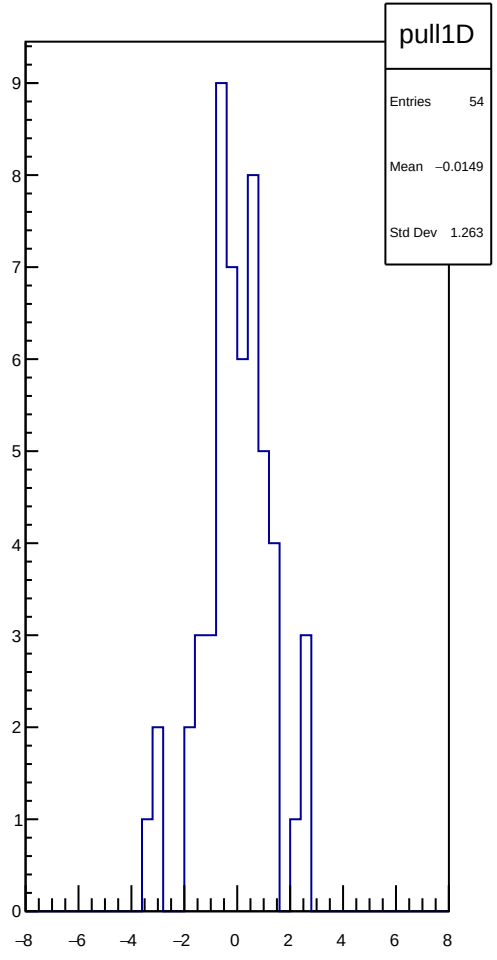

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 5071 / 53
p0 73.91 ± 0.07327
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

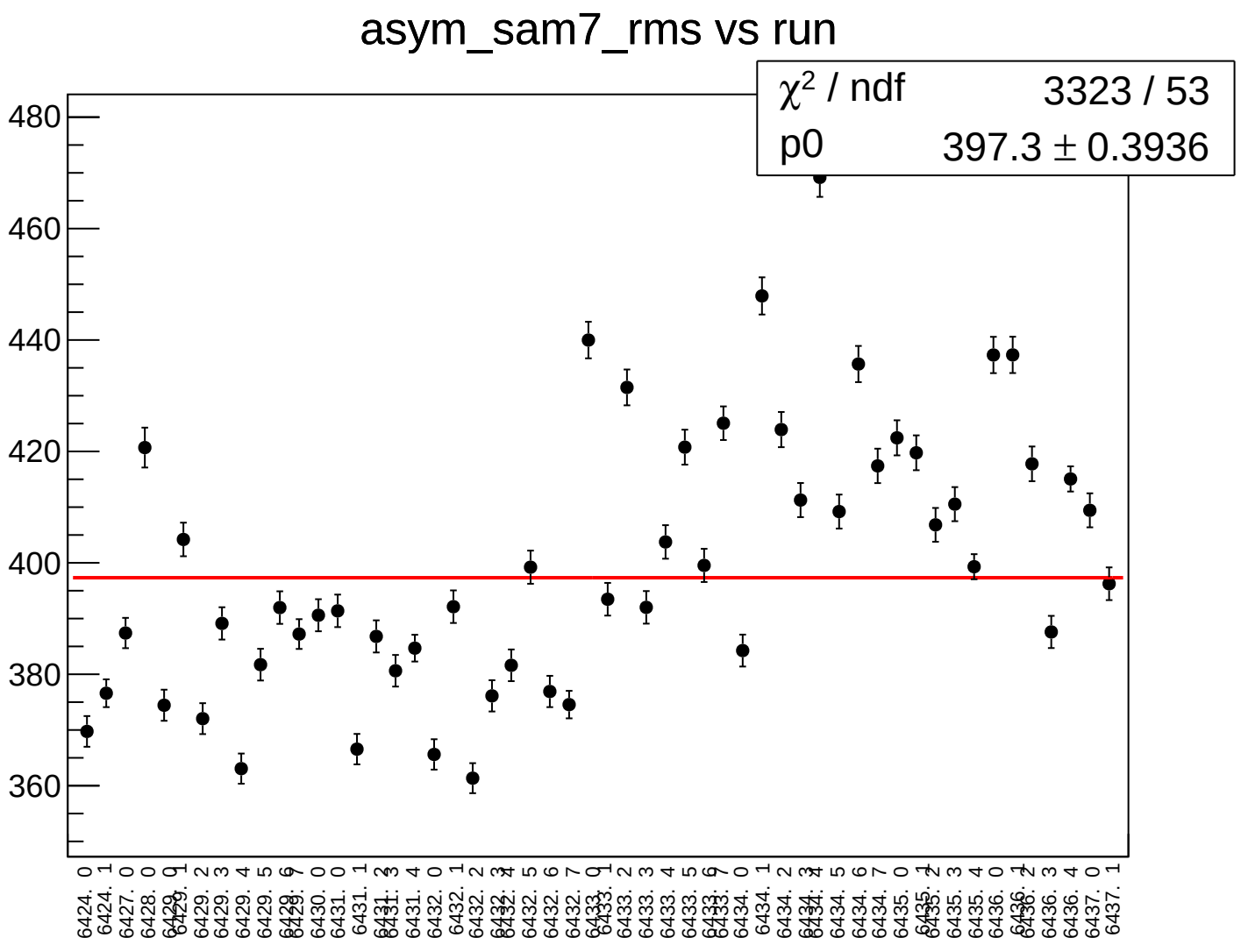

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 81.76 / 53
p0 652.6 ± 546.5
pull
Entries 54
Mean 93.44
Std Dev 0

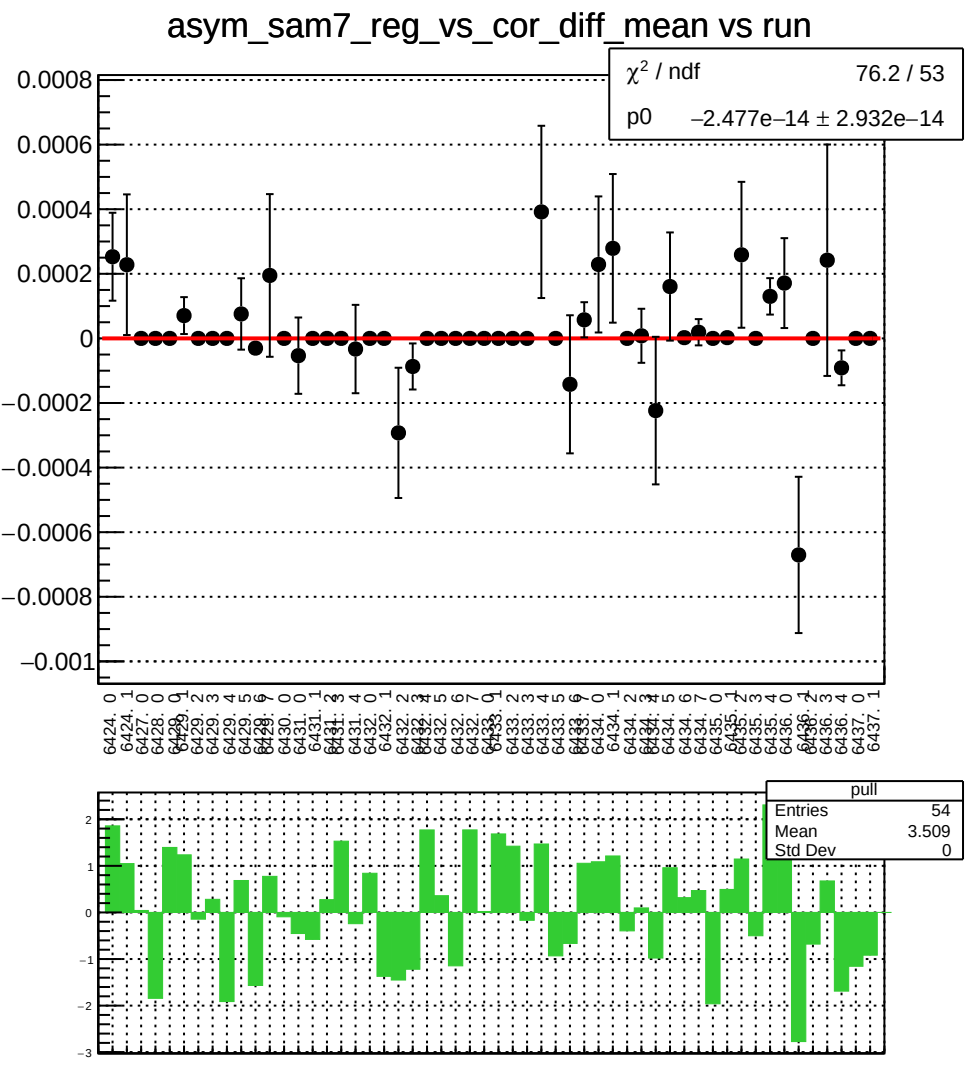

pull1D
Entries 54
Mean 0.008207
Std Dev 1.23

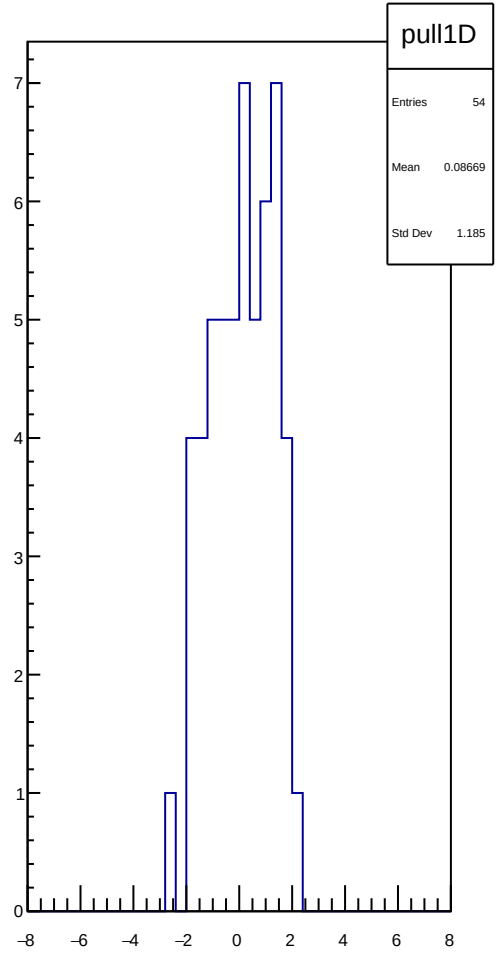

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2615 / 53
p0 390.3 ± 0.3865
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

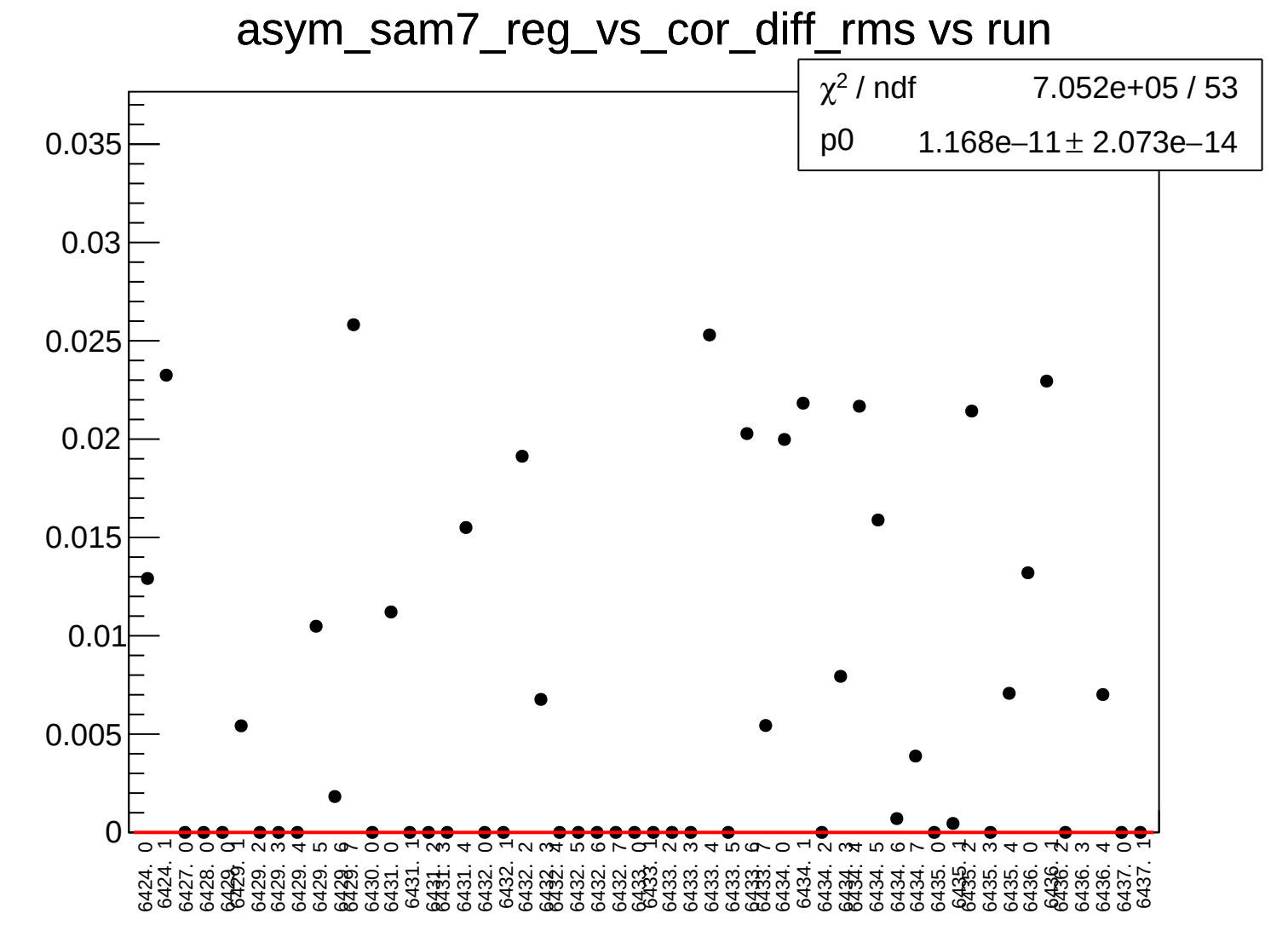

asym_sam7_mean vs run
χ² / ndf 86.09 / 53
p0 −547.3 ± 556.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 84.97
Std Dev 0
2
1
0
−1
−2
−3

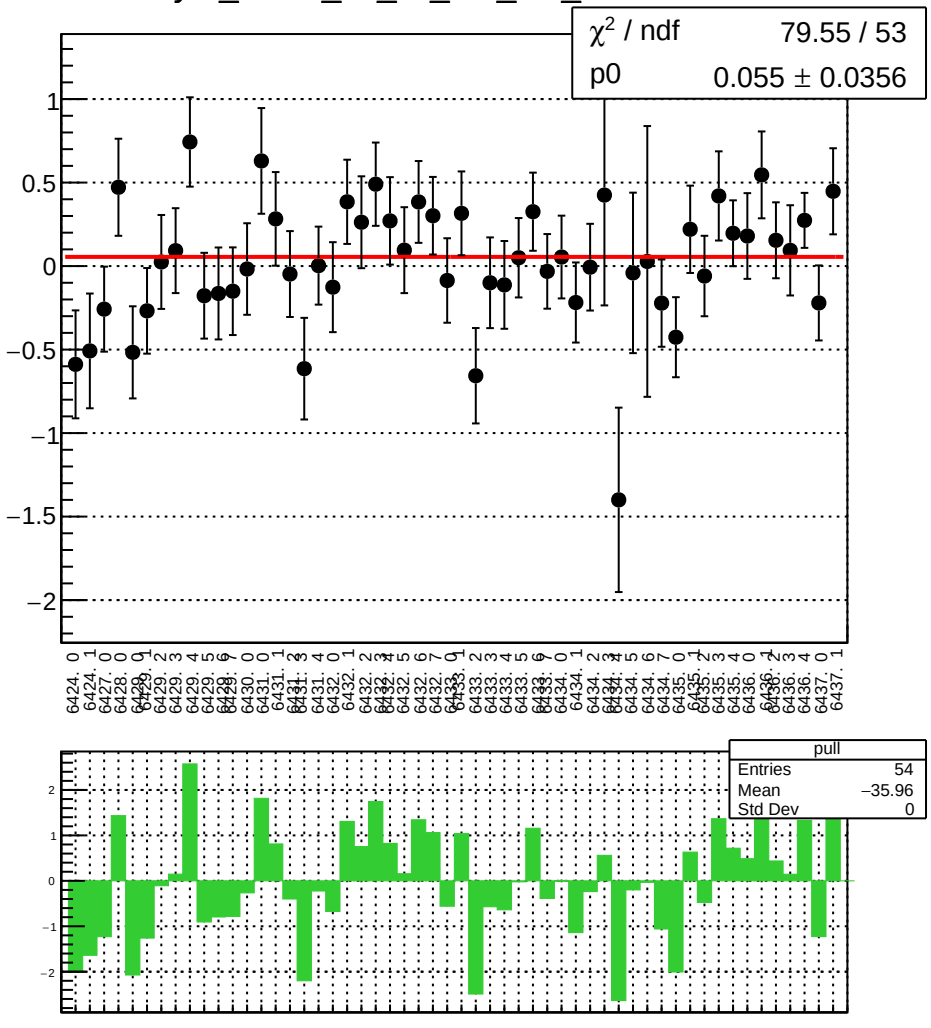

pull1D
Entries 54
Mean −0.0149
Std Dev 1.263
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

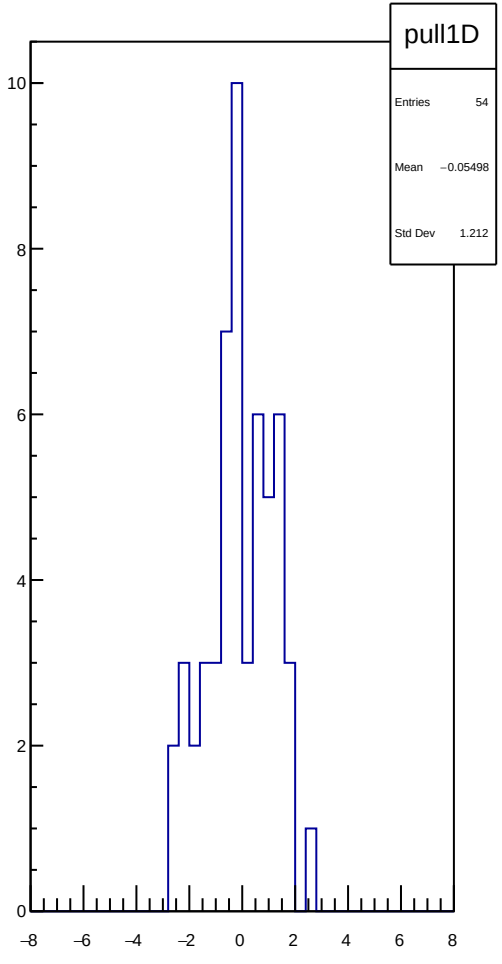

asym_sam7_rms vs run
χ² / ndf 3323 / 53
p0 397.3 ± 0.3936
480
460
440
420
400
380
360
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

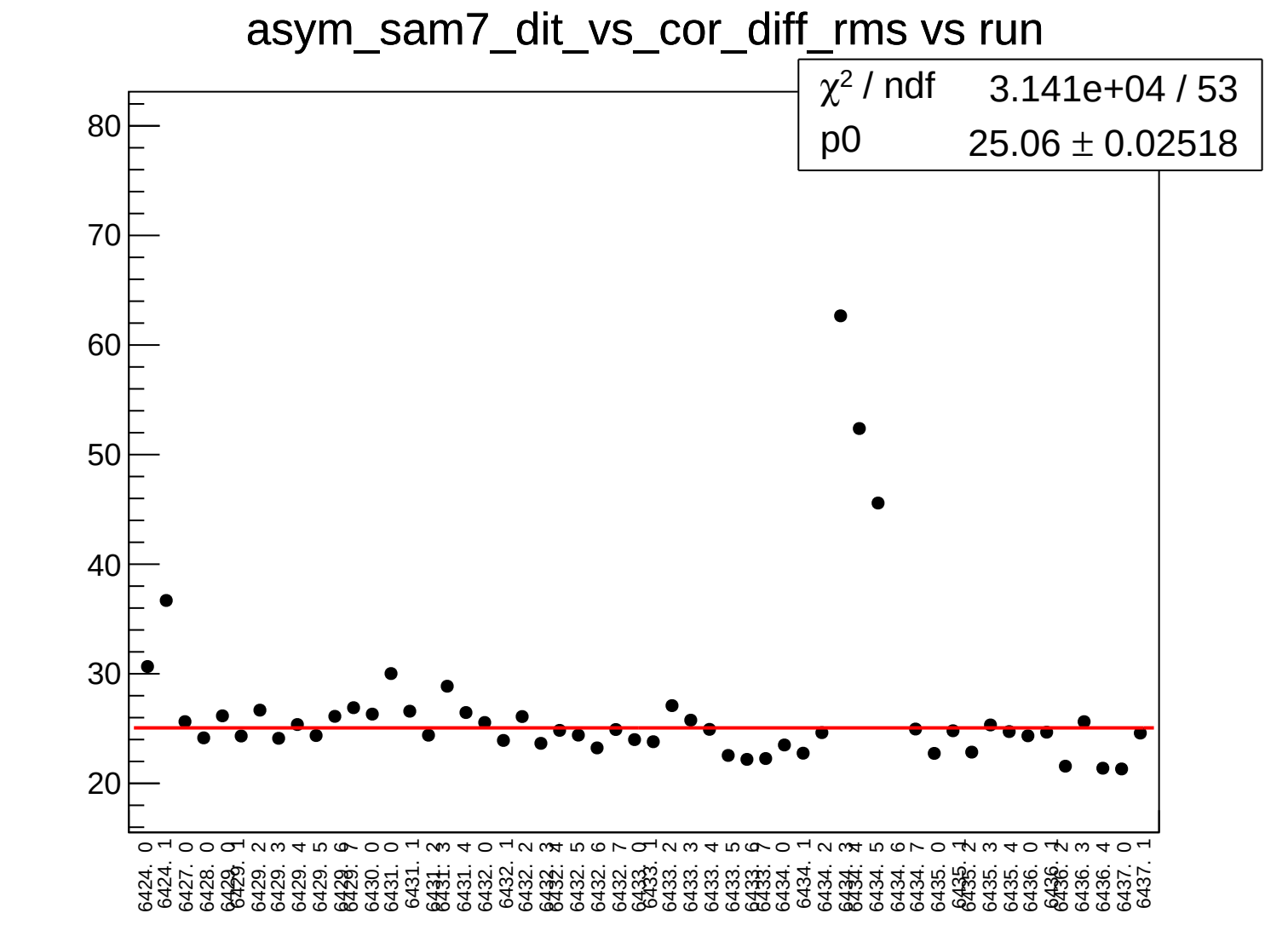

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 76.2 / 53
p0 −2.477e−14 ± 2.932e−14
pull
Entries 54
Mean 3.509
Std Dev 0

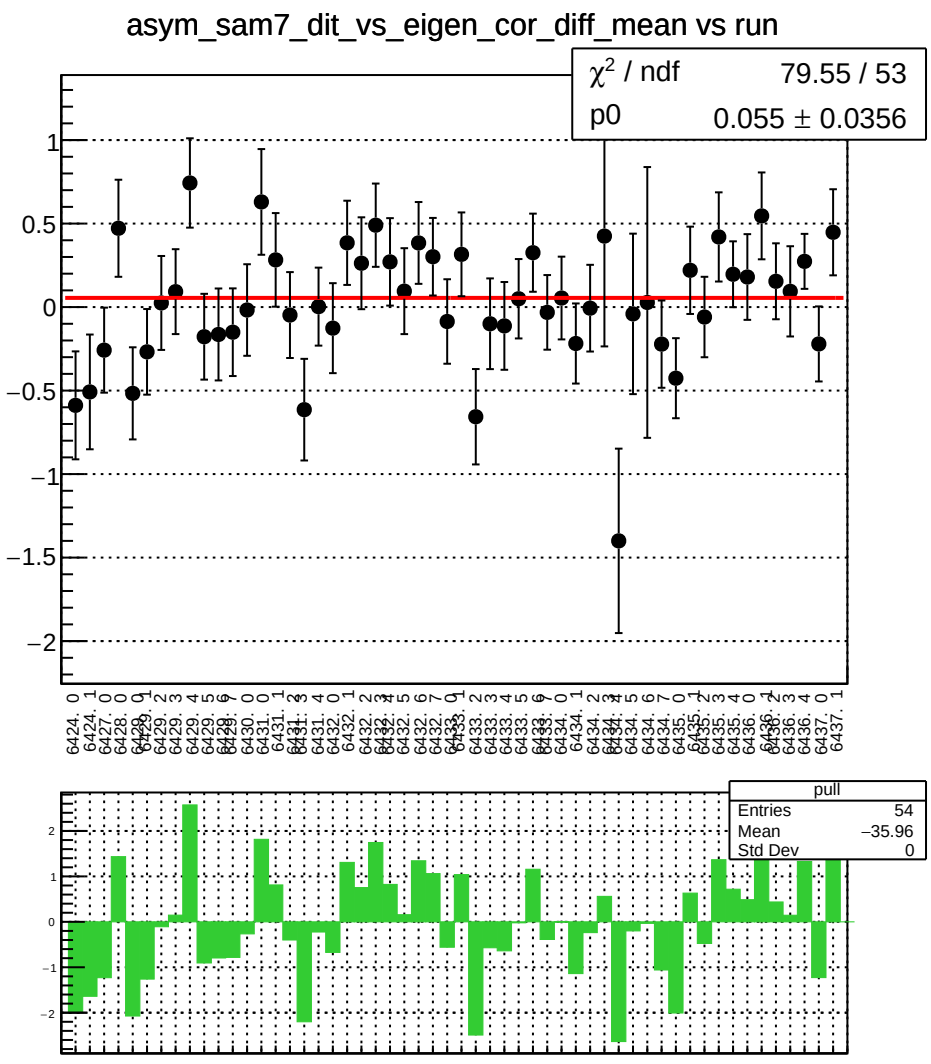

pull1D
Entries 54
Mean 0.08669
Std Dev 1.185

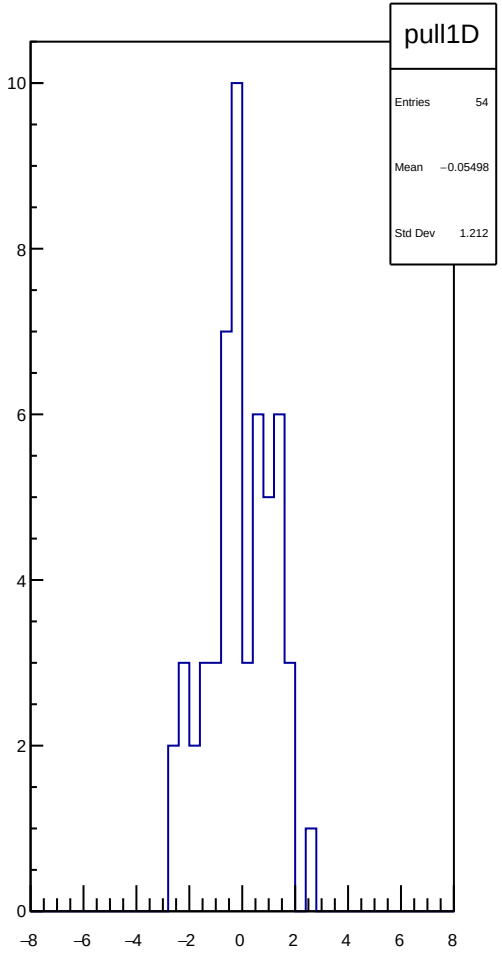

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 7.052e+05 / 53
p0 1.168e−11 ± 2.073e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

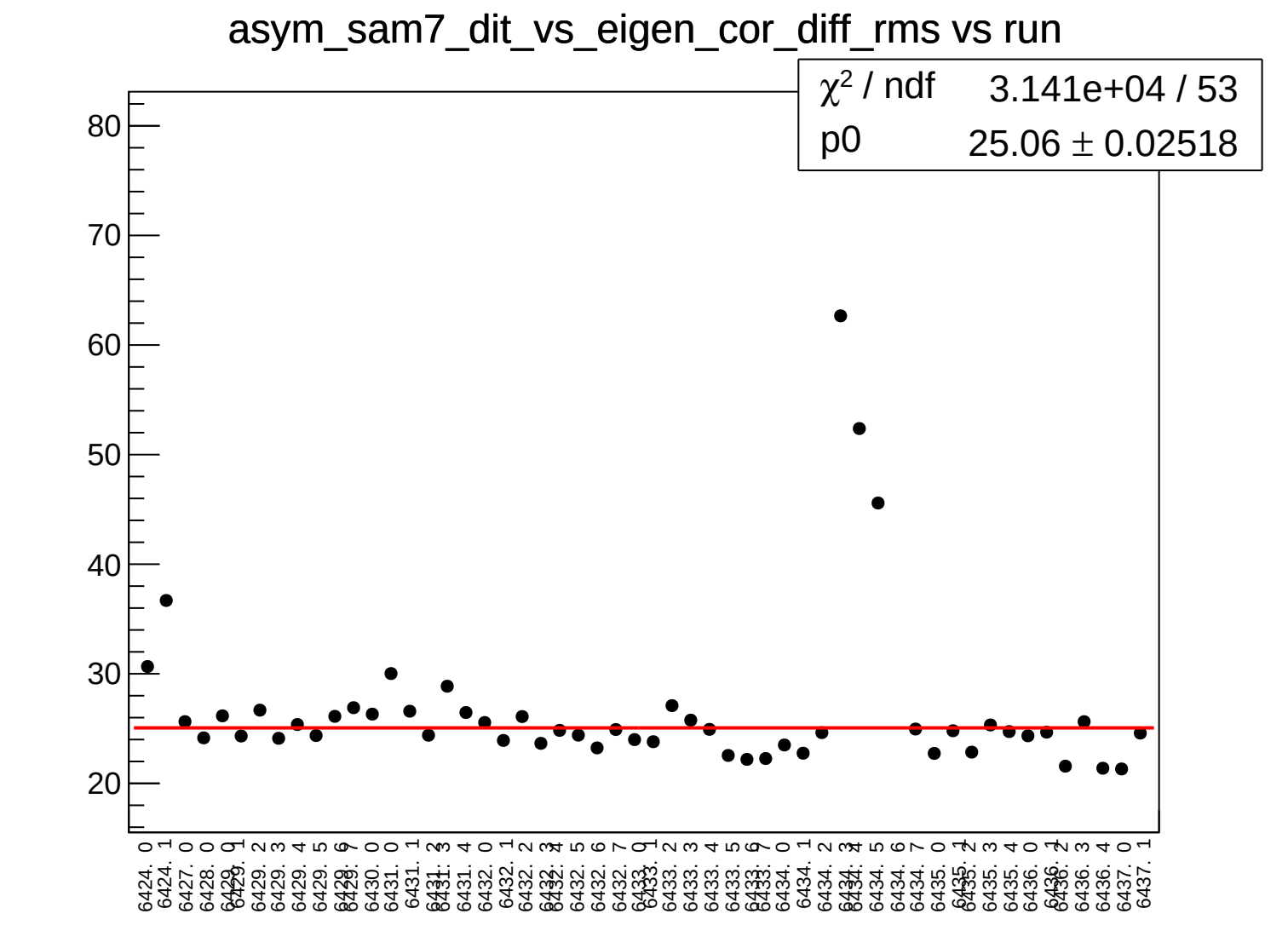

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 79.55 / 53
p0 0.055 ± 0.0356
pull
Entries 54
Mean −35.96
Std Dev 0

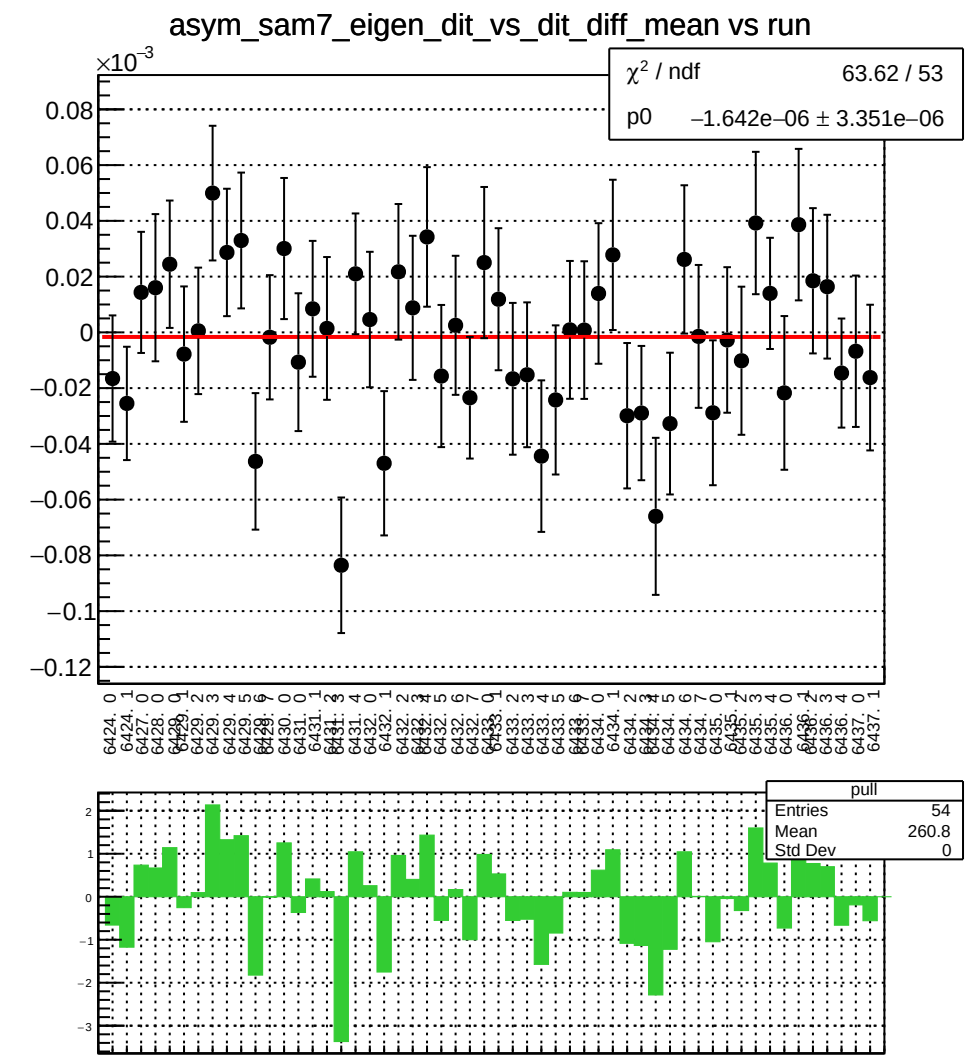

pull1D
Entries 54
Mean −0.05498
Std Dev 1.212

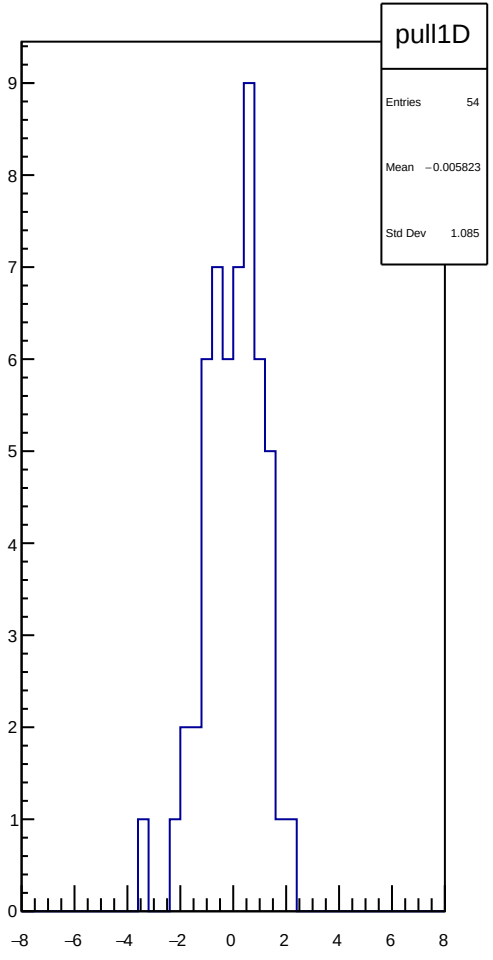

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 3.141e+04 / 53
p0 25.06 ± 0.02518
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

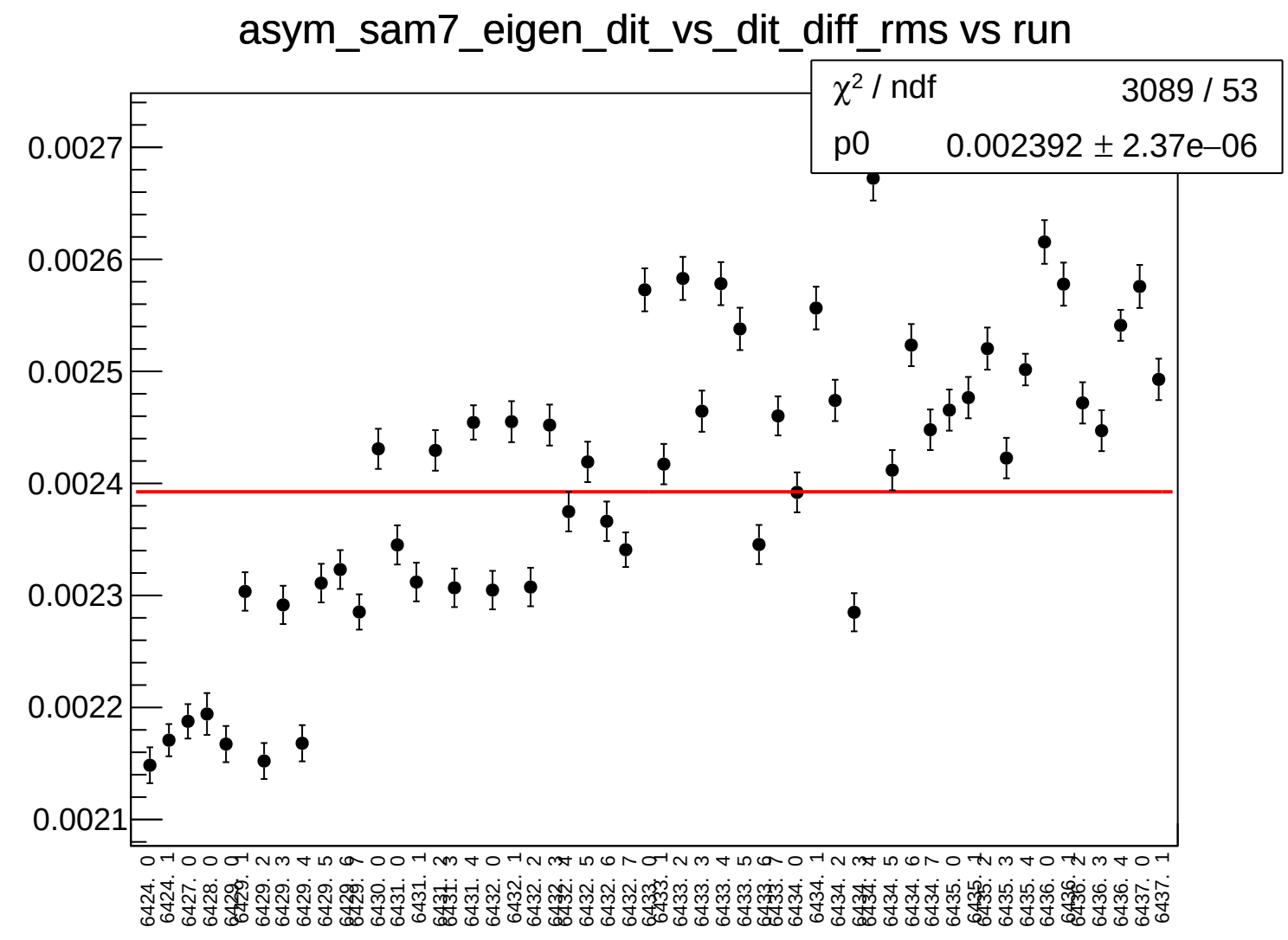

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.55 / 53
p0 0.055 ± 0.0356
pull
Entries 54
Mean −35.96
Std Dev 0

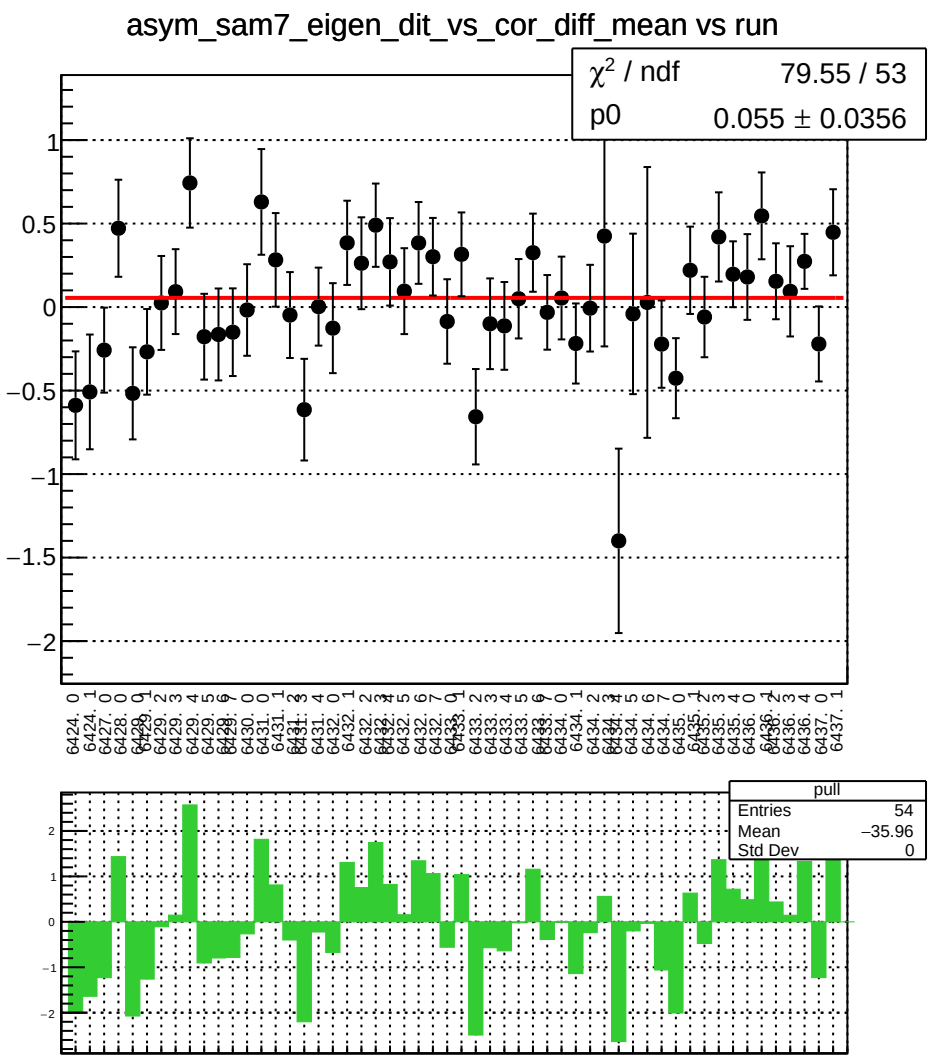

pull1D
Entries 54
Mean −0.05498
Std Dev 1.212

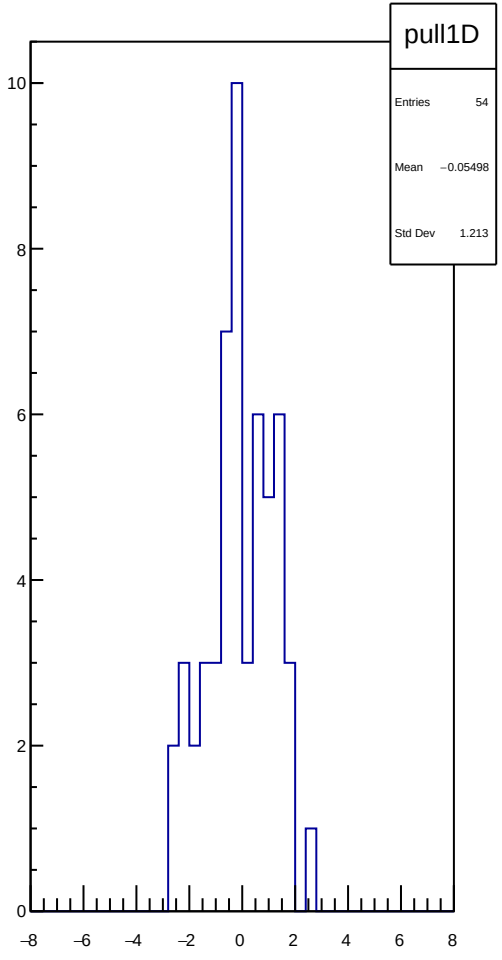

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.141e+04 / 53
p0 25.06 ± 0.02518
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

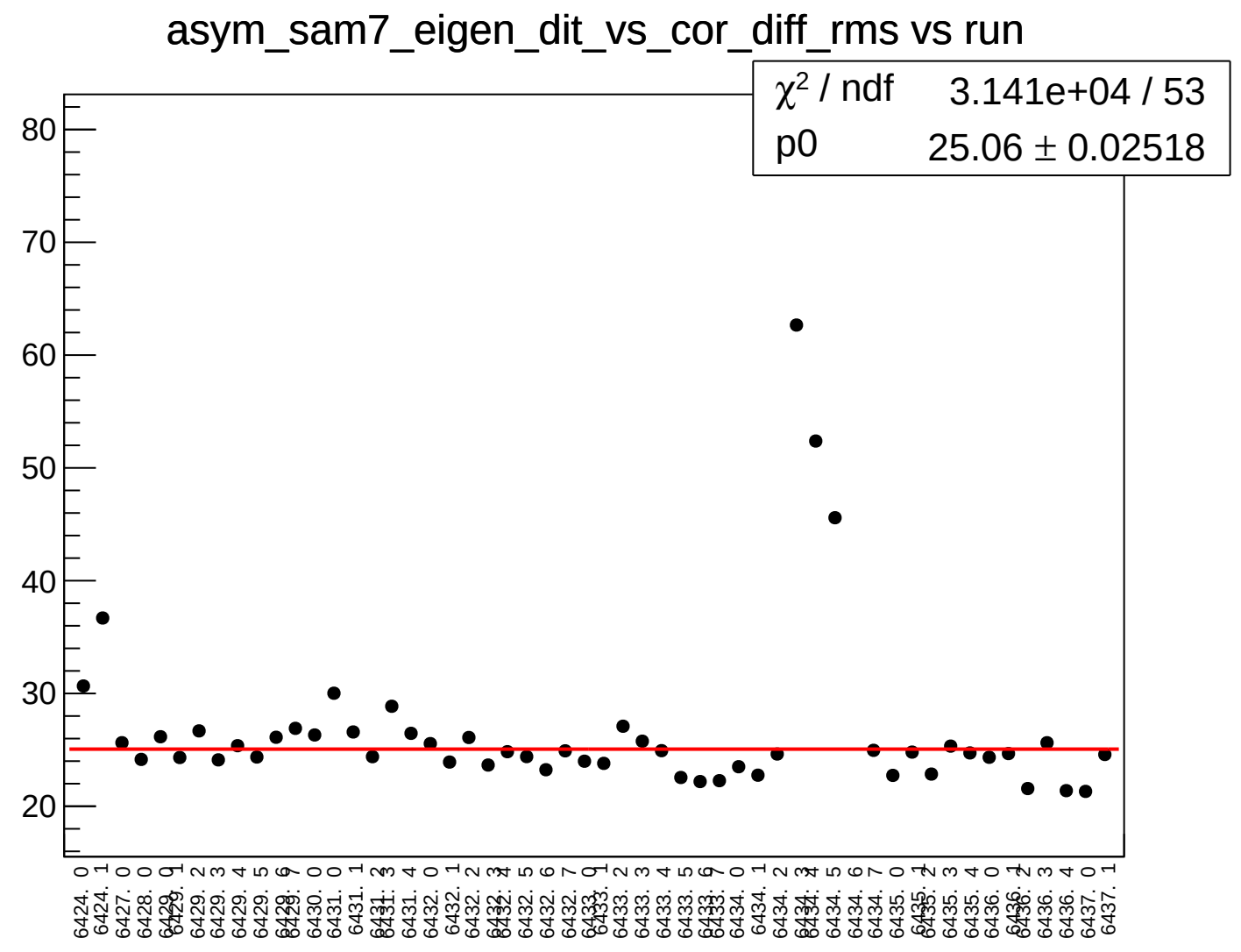

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.62 / 53
p0 −1.642e−06 ± 3.351e−06
pull
Entries 54
Mean 260.8
Std Dev 0

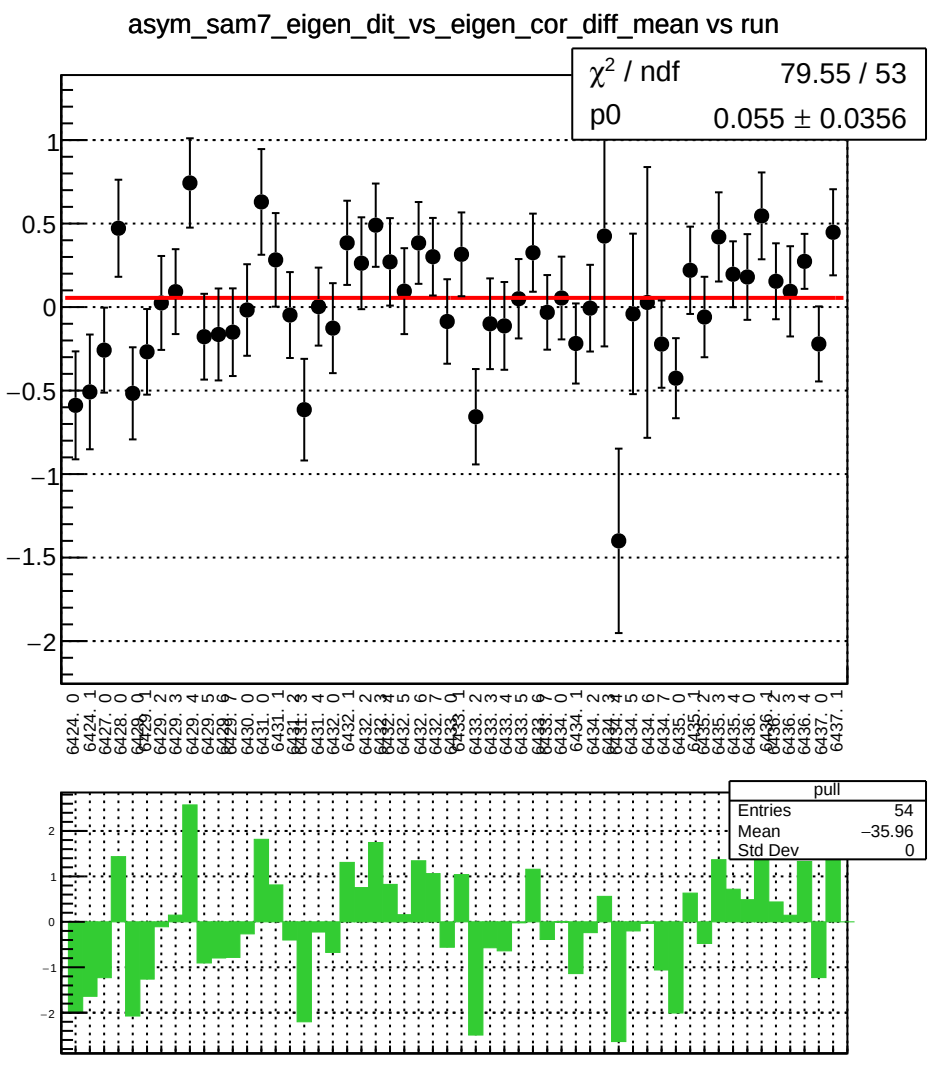

pull1D
Entries 54
Mean −0.005823
Std Dev 1.085

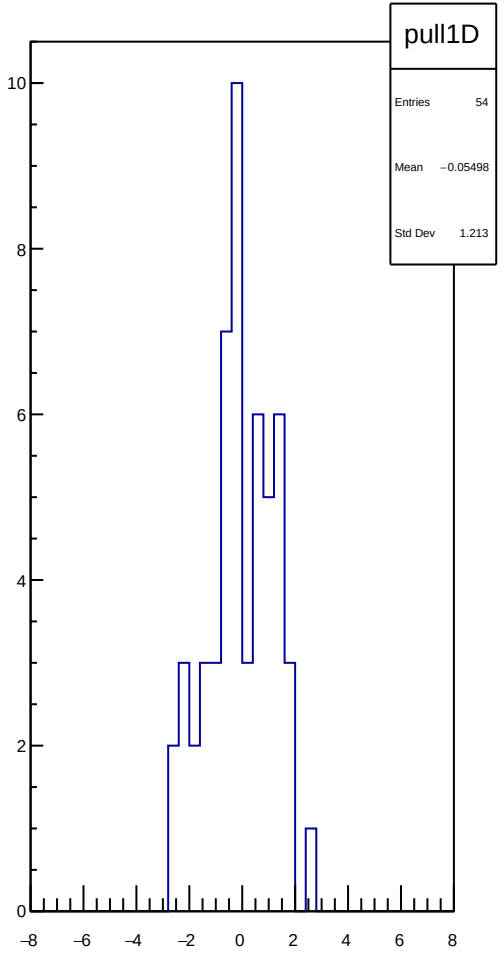

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3089 / 53
p0 0.002392 ± 2.37e–06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

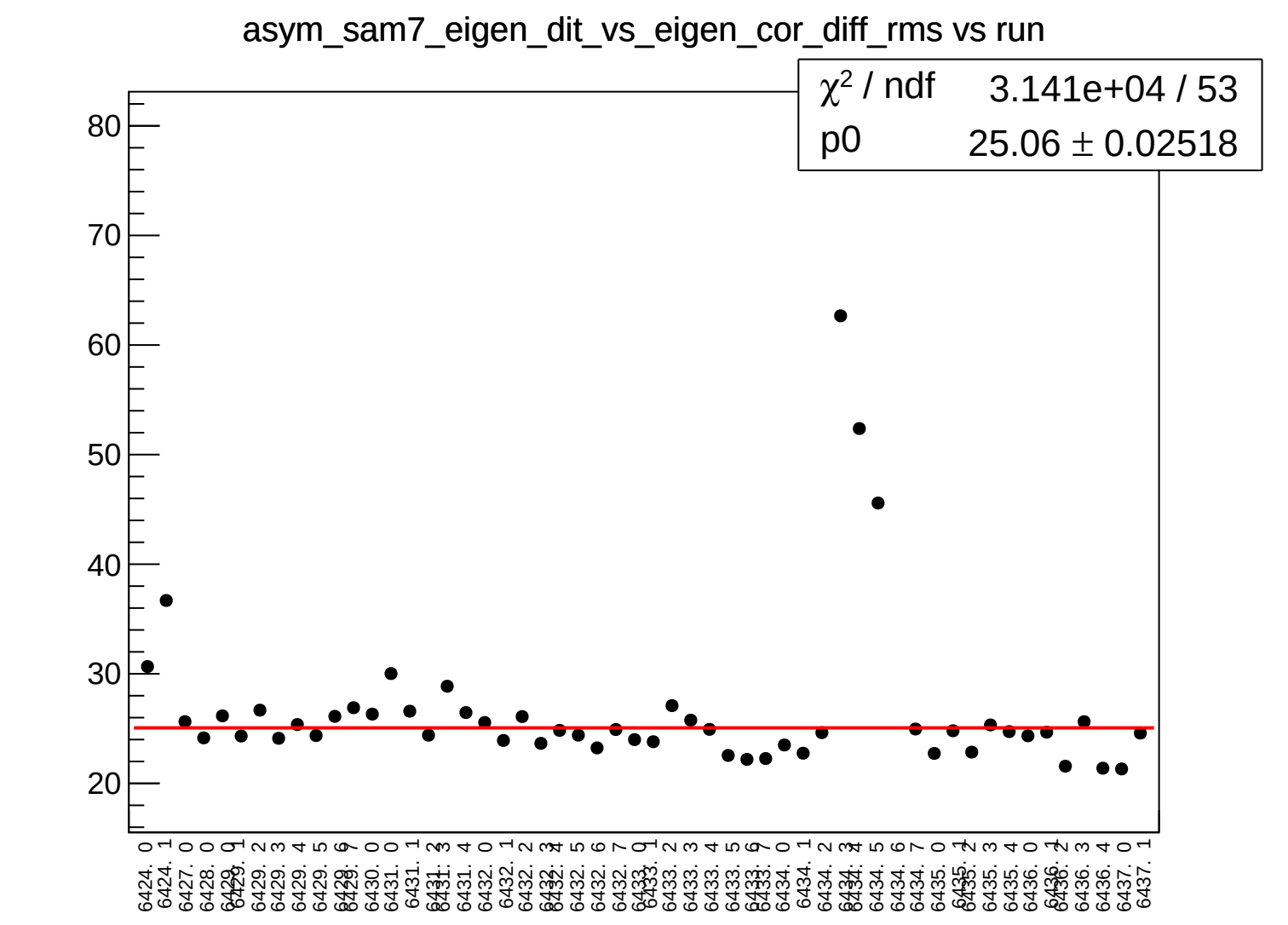

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.55 / 53
p0 0.055 ± 0.0356
pull
Entries 54
Mean −35.96
Std Dev 0

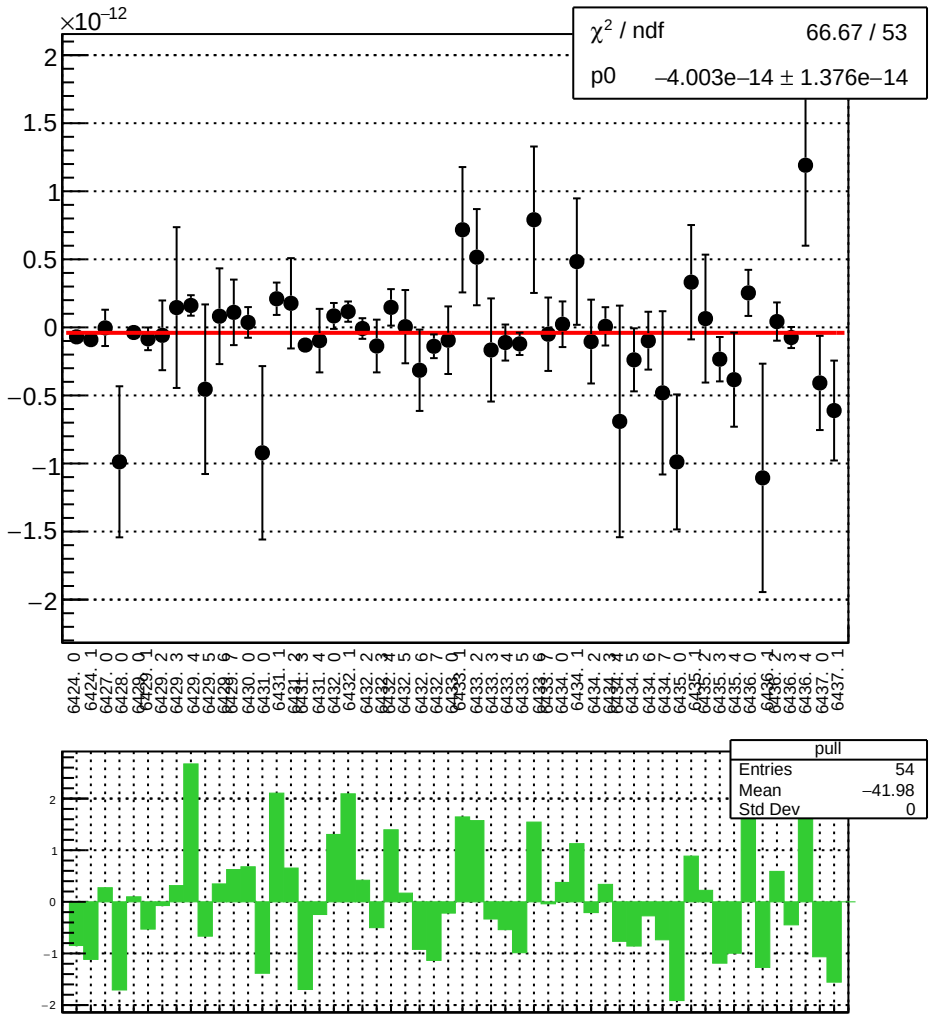

pull1D
Entries 54
Mean −0.05498
Std Dev 1.213

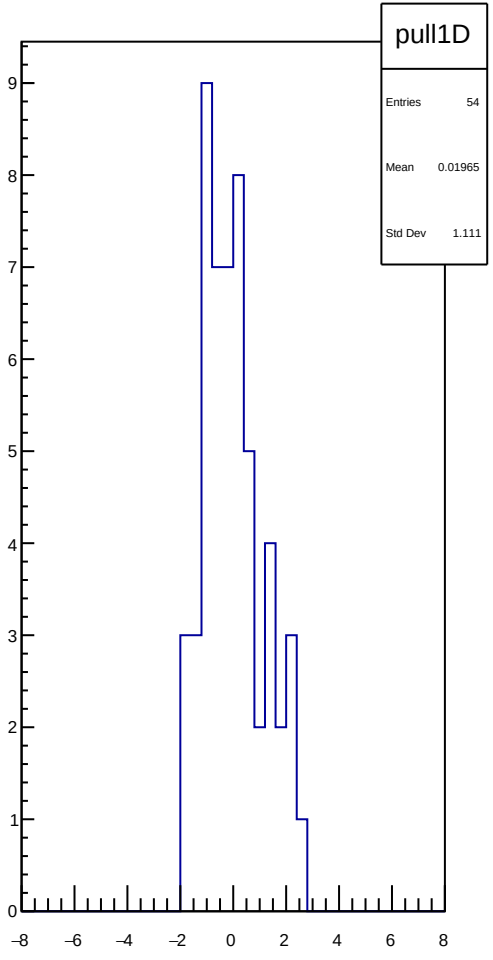

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.141e+04 / 53
p0 25.06 ± 0.02518
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

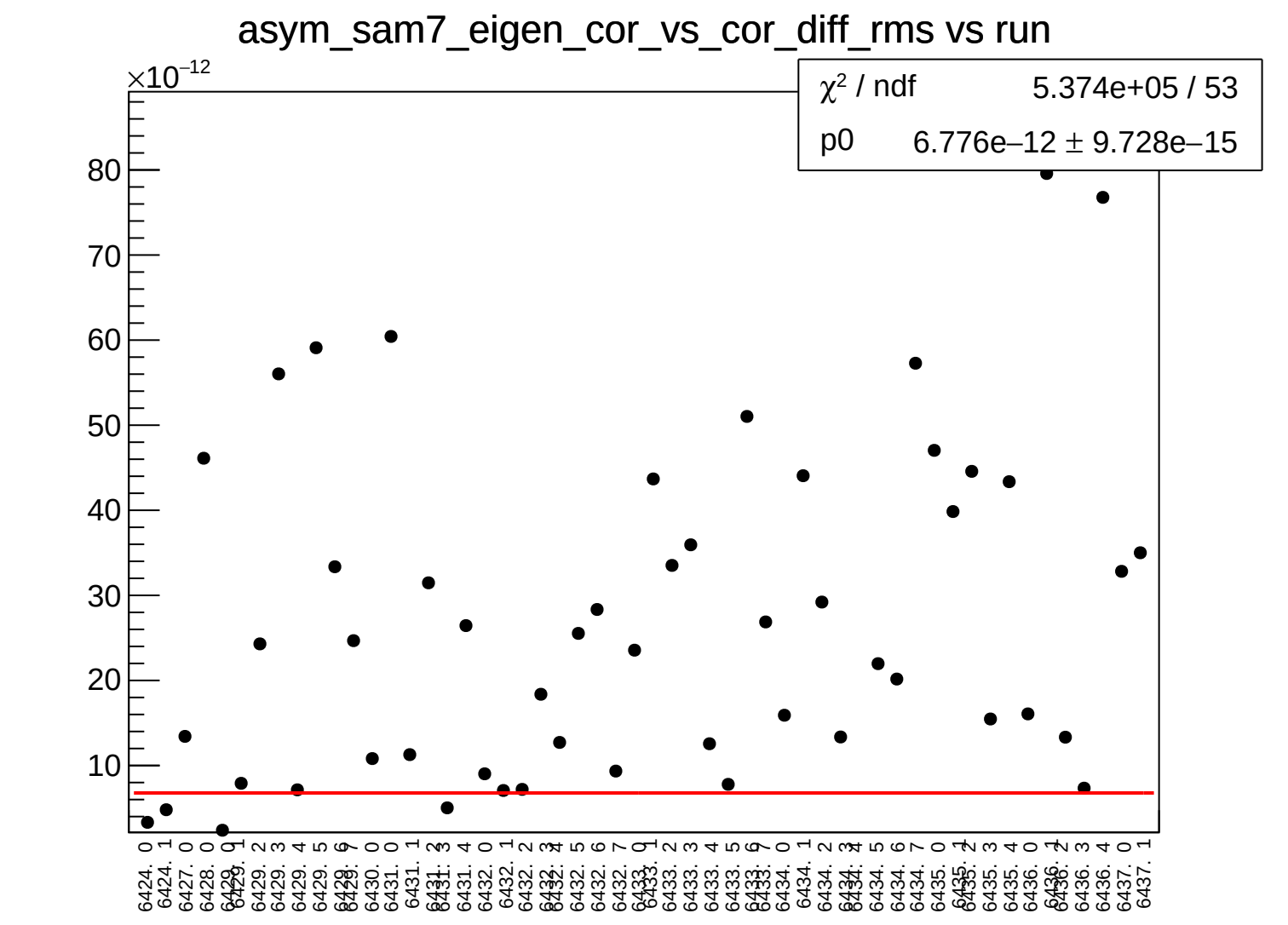

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.55 / 53
p0 0.055 ± 0.0356
pull
Entries 54
Mean −35.96
Std Dev 0

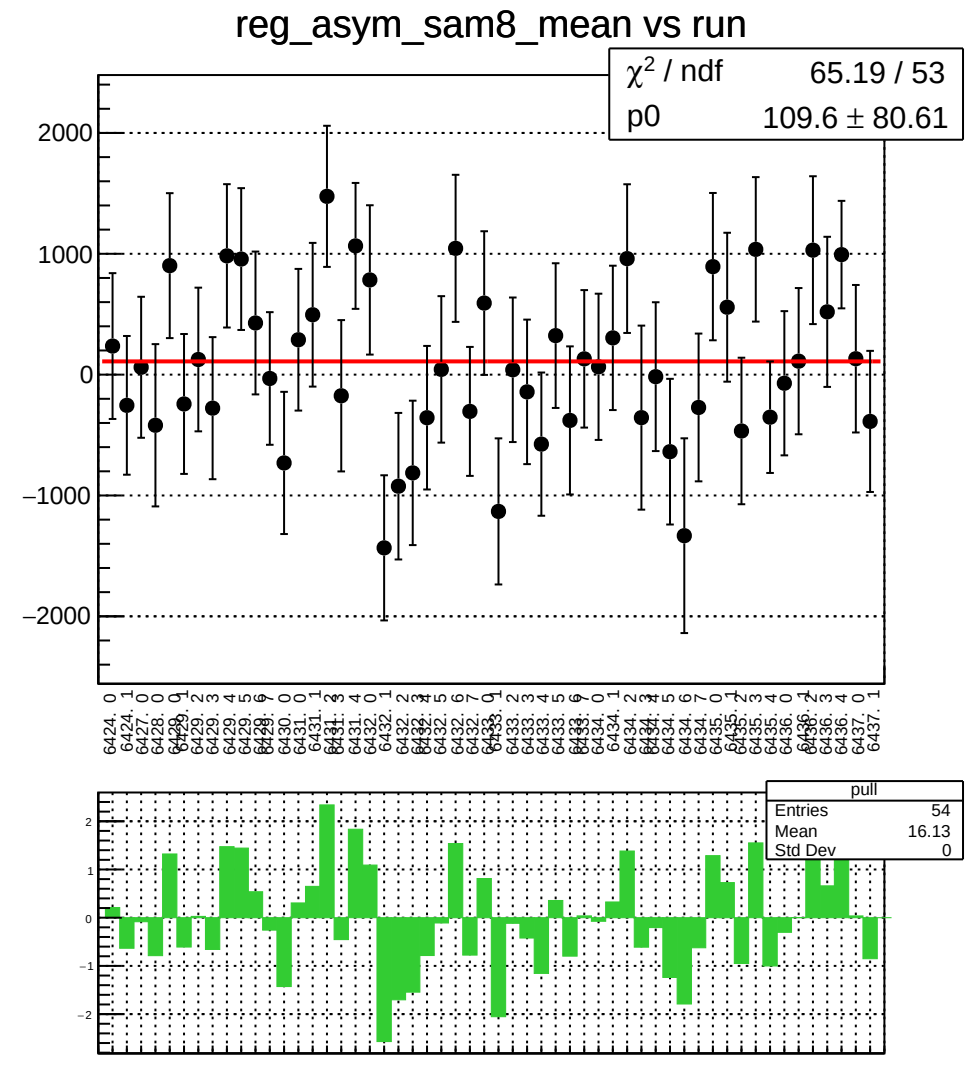

pull1D
Entries 54
Mean −0.05498
Std Dev 1.213

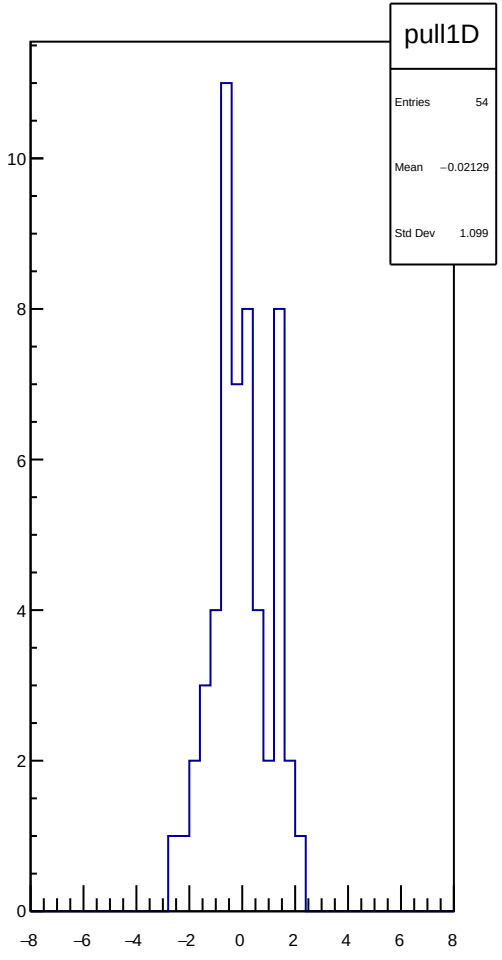

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.141e+04 / 53
p0 25.06 ± 0.02518
80
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

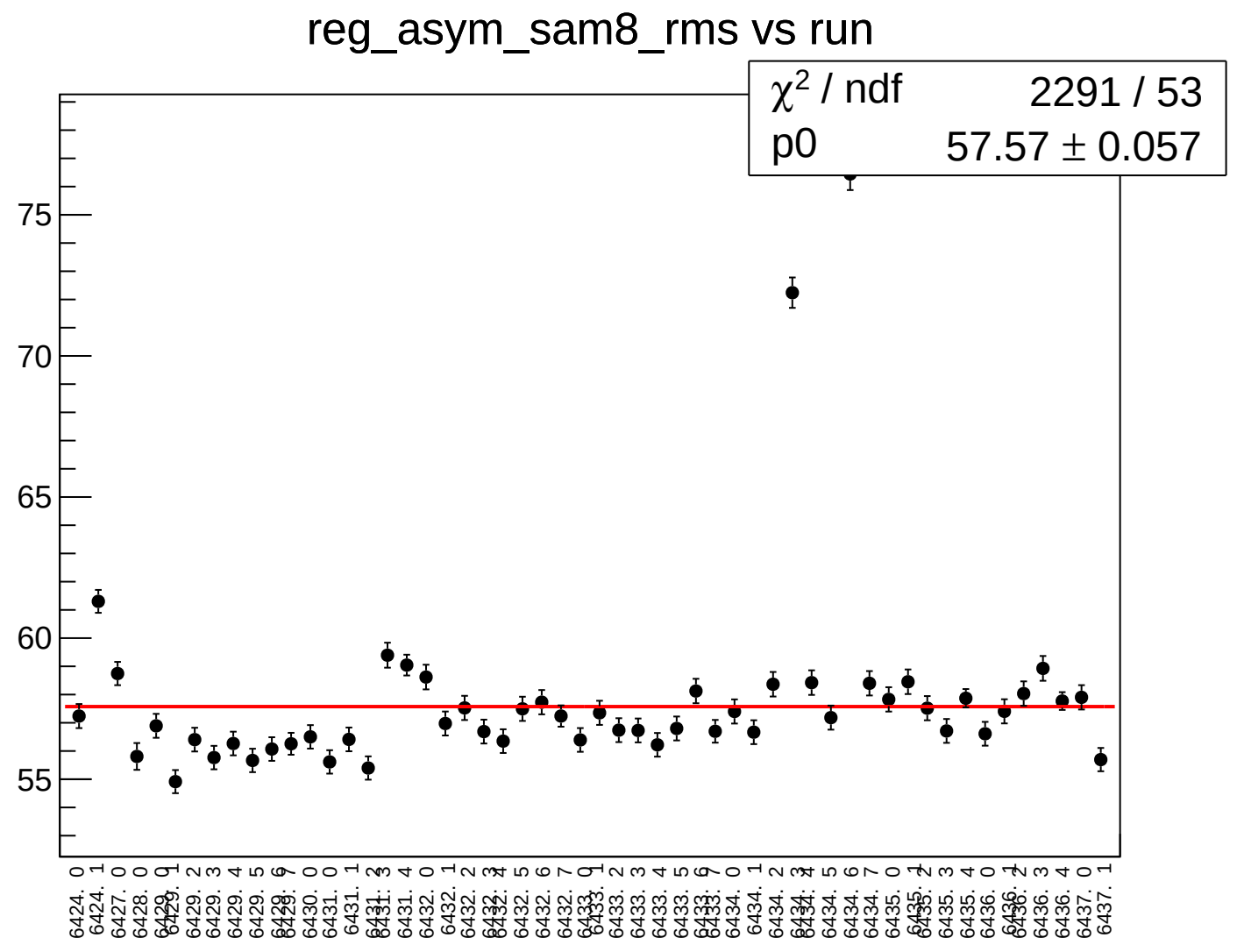

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.67 / 53
p0 −4.003e−14 ± 1.376e−14
pull
Entries 54
Mean −41.98
Std Dev 0


pull1D
Entries 54
Mean 0.01965
Std Dev 1.111


asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.374e+05 / 53
p0 6.776e−12 ± 9.728e−15
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_sam8_mean vs run
χ² / ndf 65.19 / 53
p0 109.6 ± 80.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 16.13
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02129
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam8_rms vs run
χ² / ndf 2291 / 53
p0 57.57 ± 0.057
75
70
65
60
55
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 6
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6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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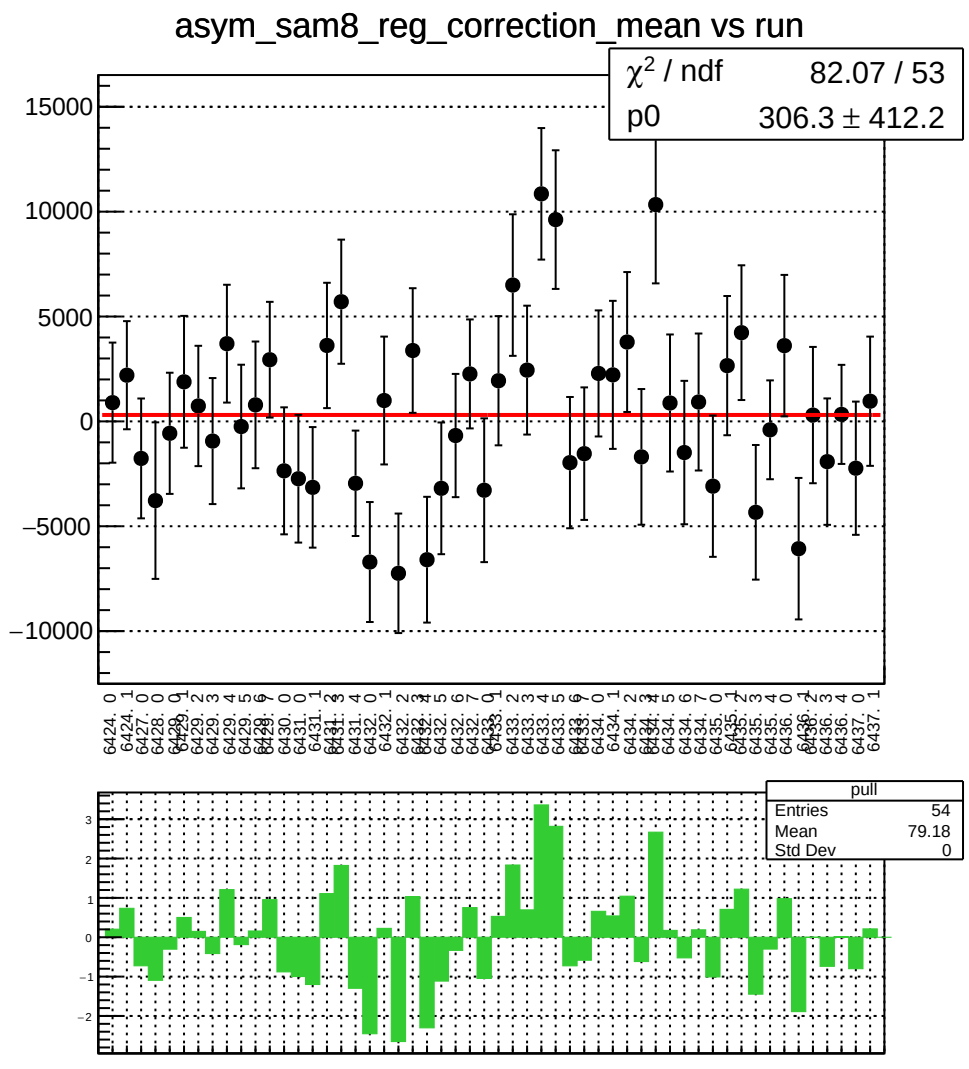
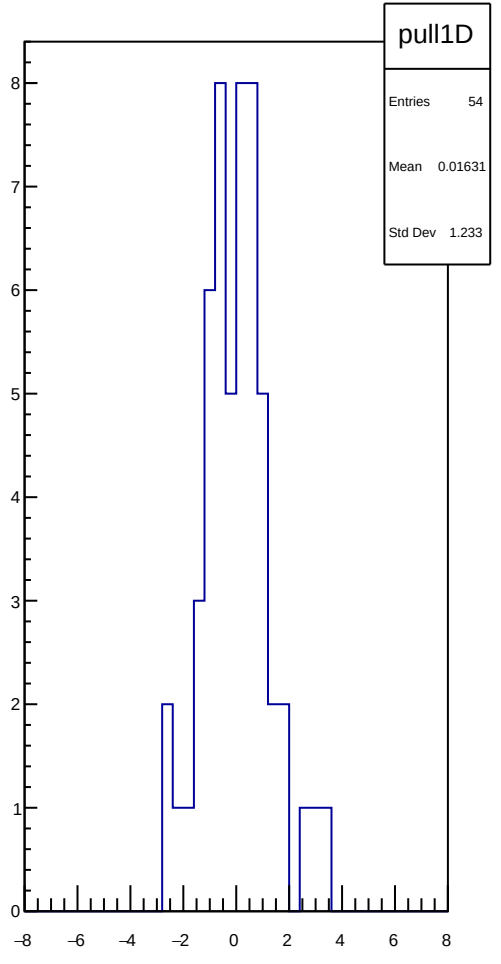
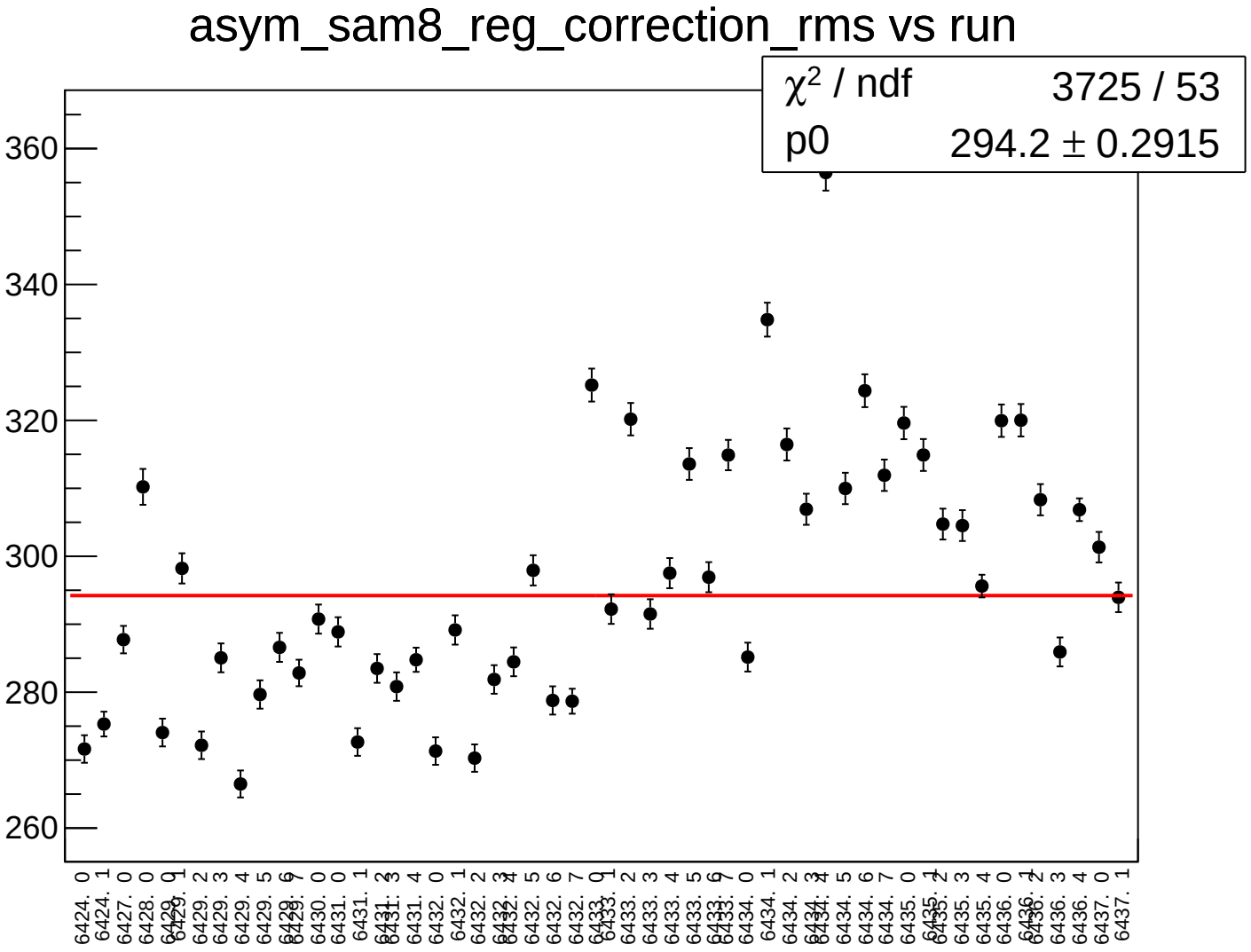
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam8_reg_correction_mean vs run
χ² / ndf 82.07 / 53
p0 306.3 ± 412.2
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 79.18
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01631
Std Dev 1.233
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_reg_correction_rms vs run
χ² / ndf 3725 / 53
p0 294.2 ± 0.2915
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 3
6435. 4
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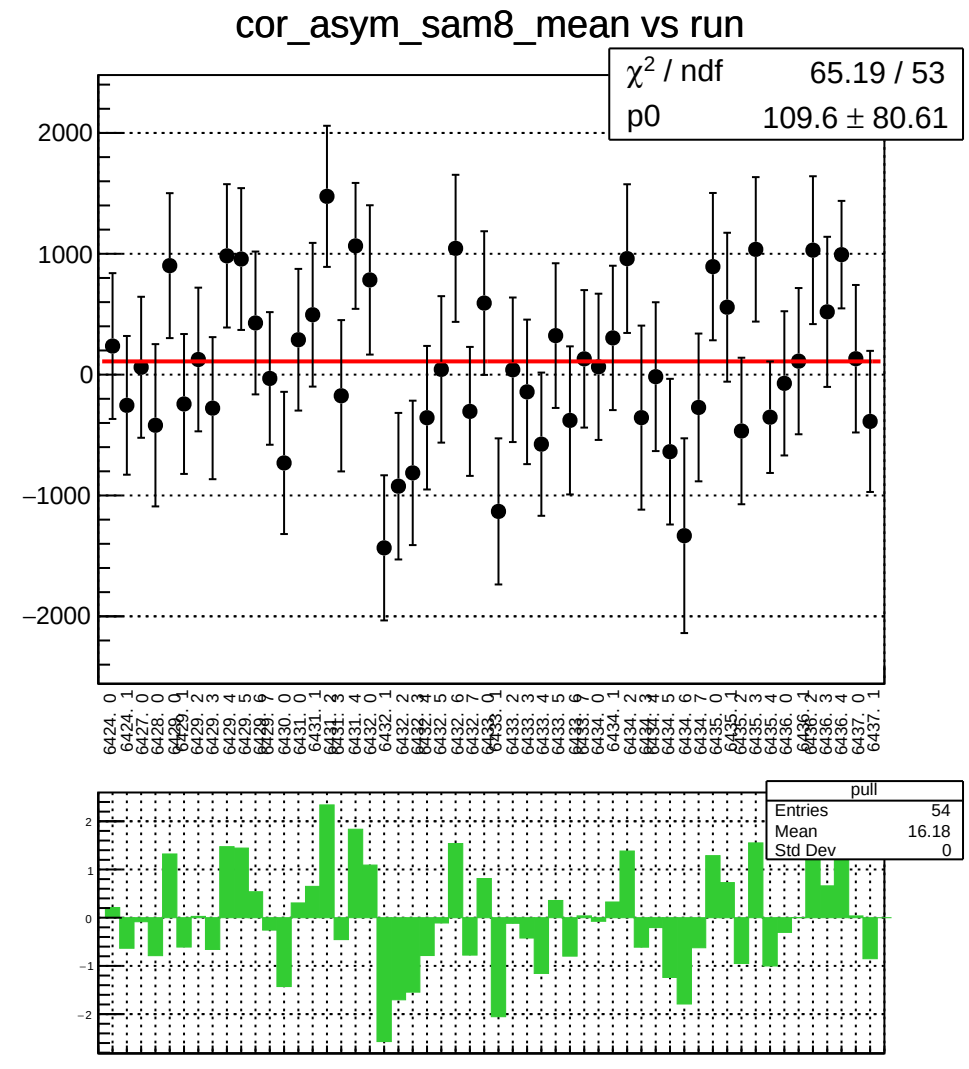
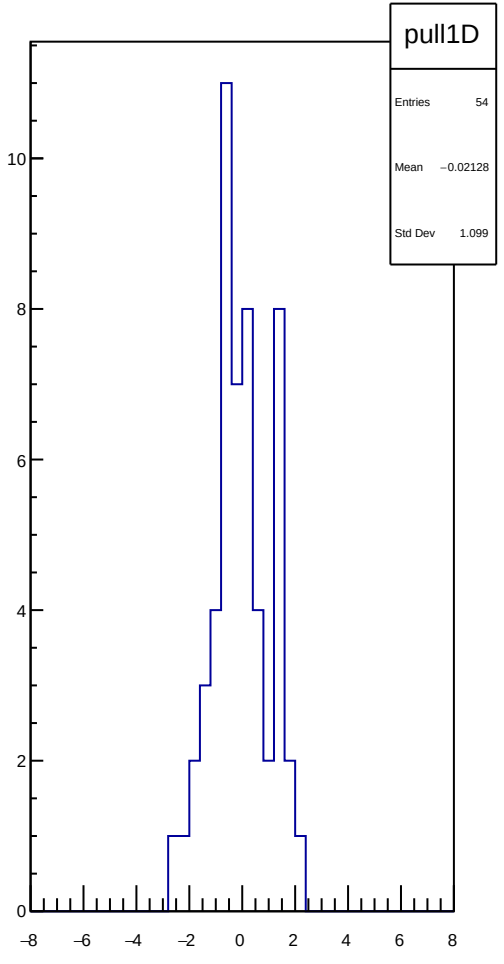
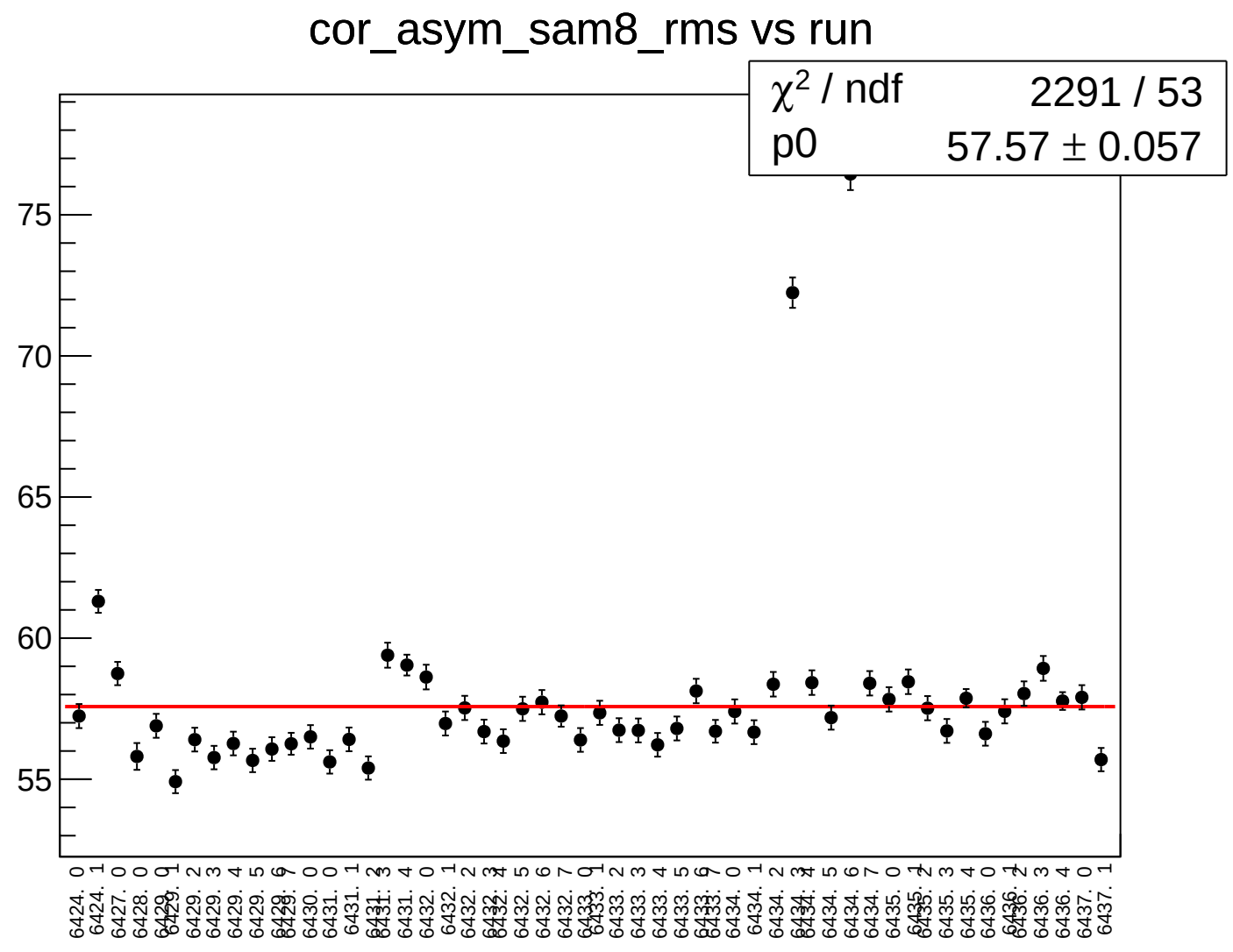
6436. 4
6437. 0
6437. 1


cor_asym_sam8_mean vs run
χ² / ndf 65.19 / 53
p0 109.6 ± 80.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 16.18
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.02128
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam8_rms vs run
χ² / ndf 2291 / 53
p0 57.57 ± 0.057
75
70
65
60
55
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 6
6432. 7
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6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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6434. 5
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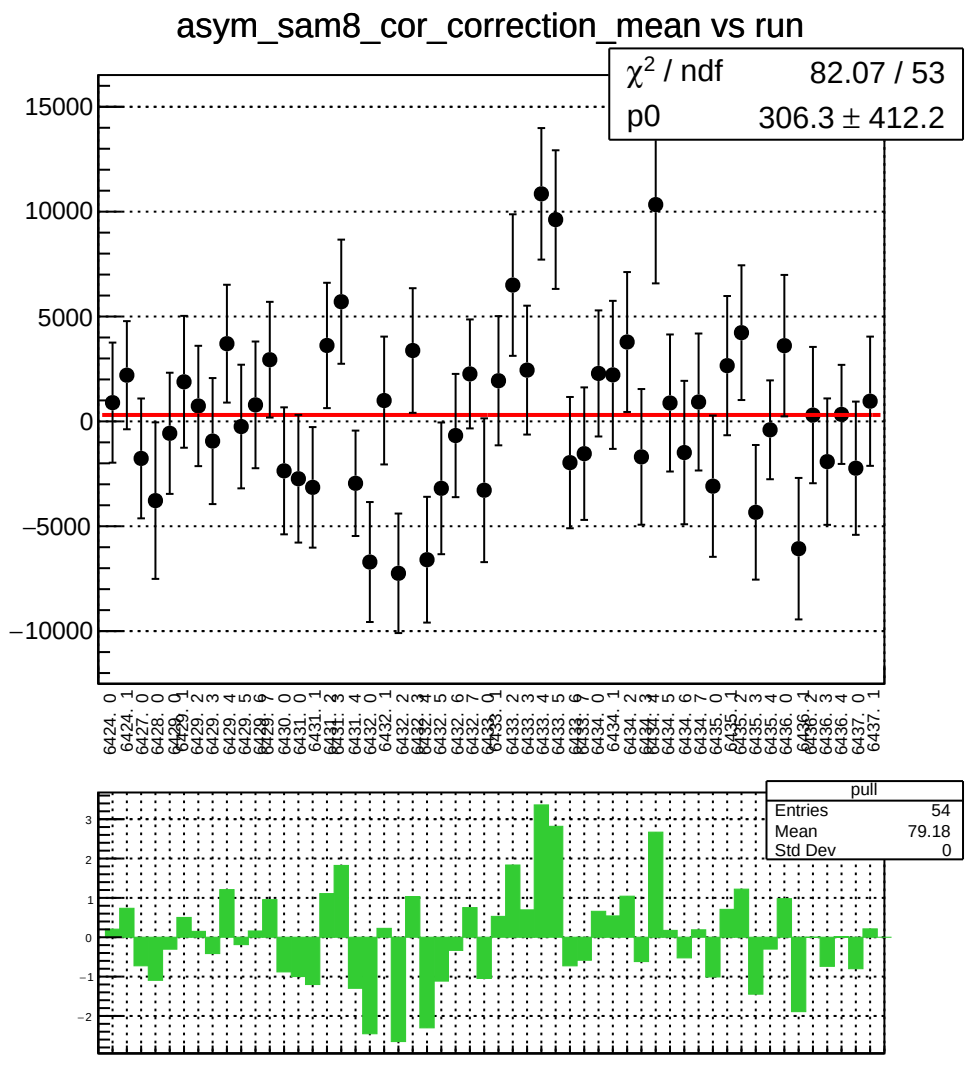
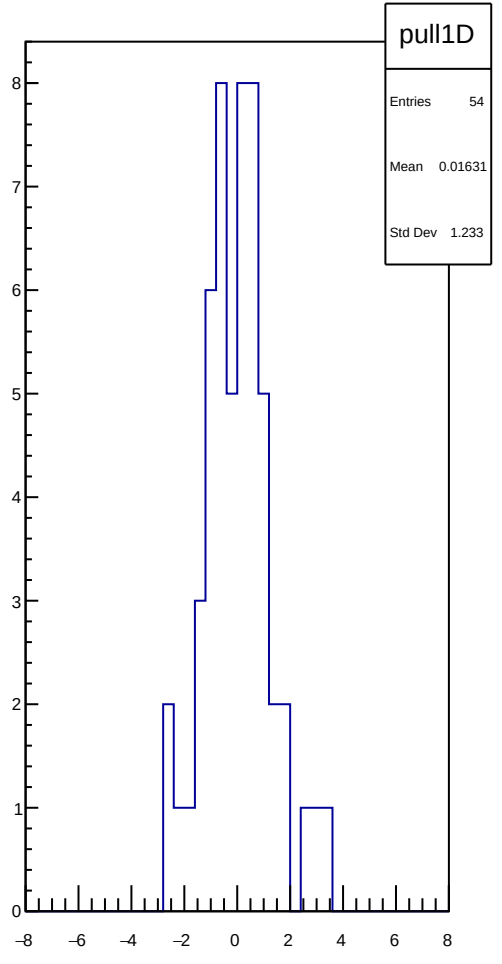
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam8_cor_correction_mean vs run
χ² / ndf 82.07 / 53
p0 306.3 ± 412.2
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 79.18
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01631
Std Dev 1.233
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7
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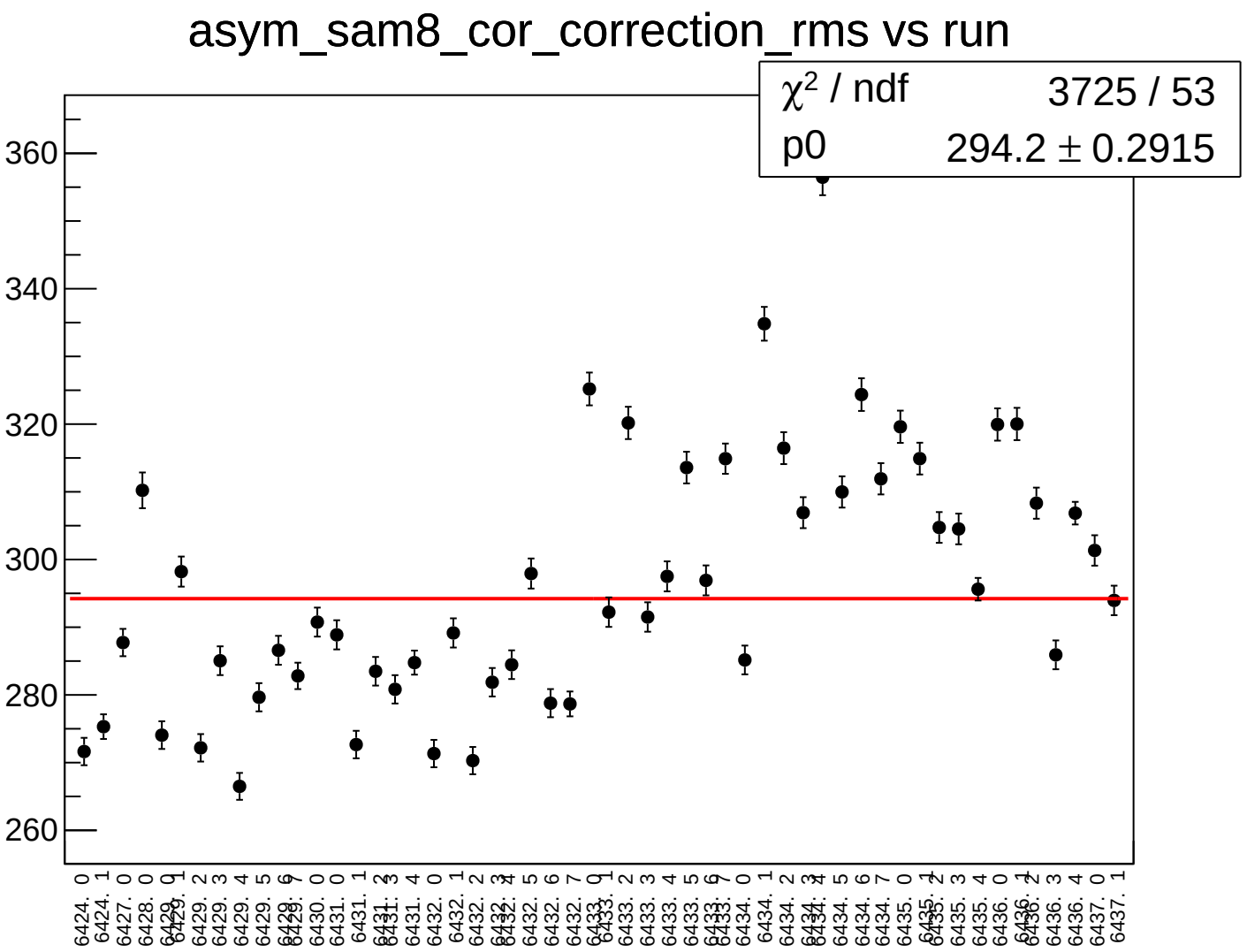
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_cor_correction_rms vs run
χ² / ndf 3725 / 53
p0 294.2 ± 0.2915
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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6434. 5
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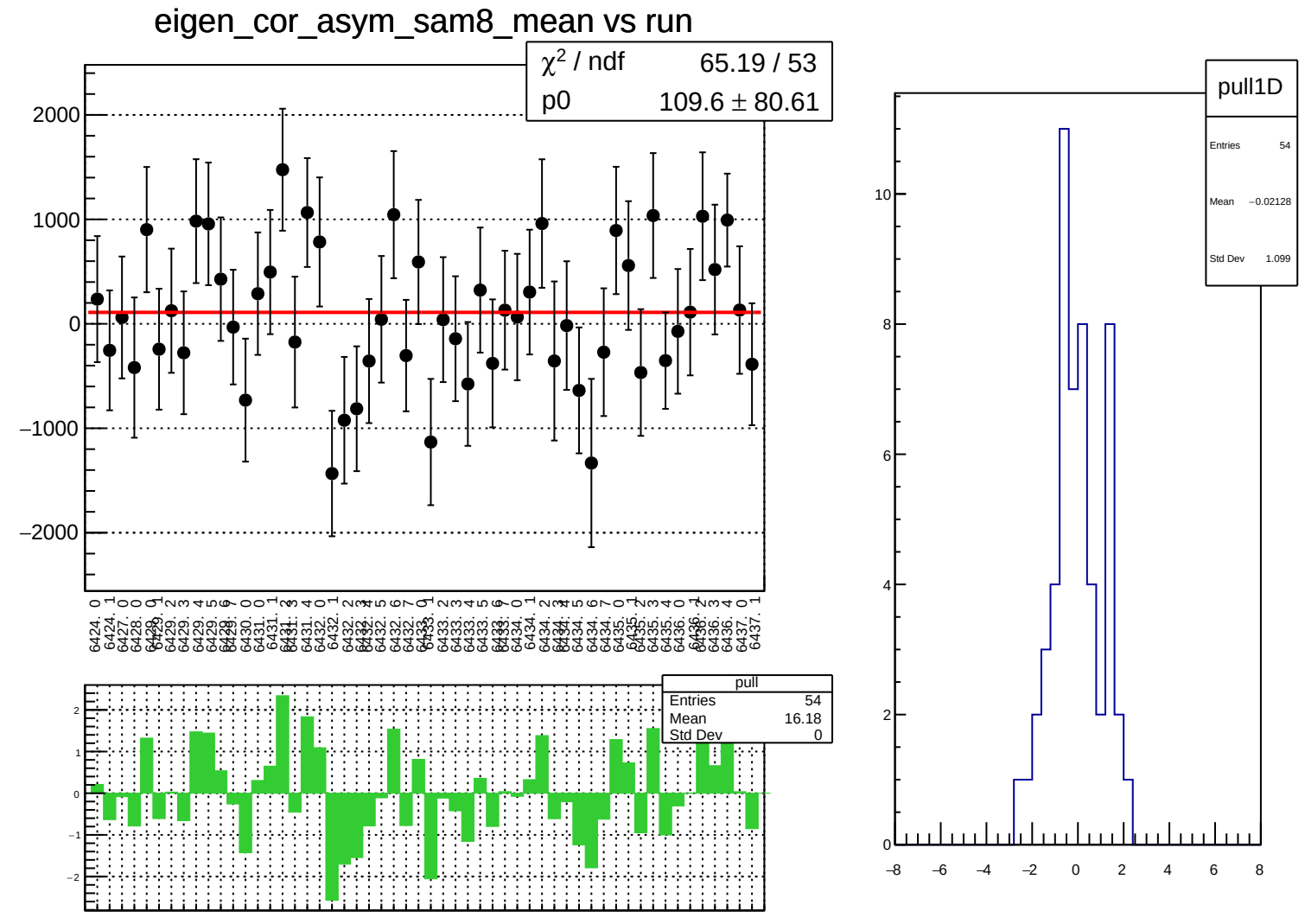
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam8_mean vs run
χ² / ndf 65.19 / 53
p0 109.6 ± 80.61
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 16.18
Std Dev 0
pull1D
Entries 54
Mean −0.02128
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
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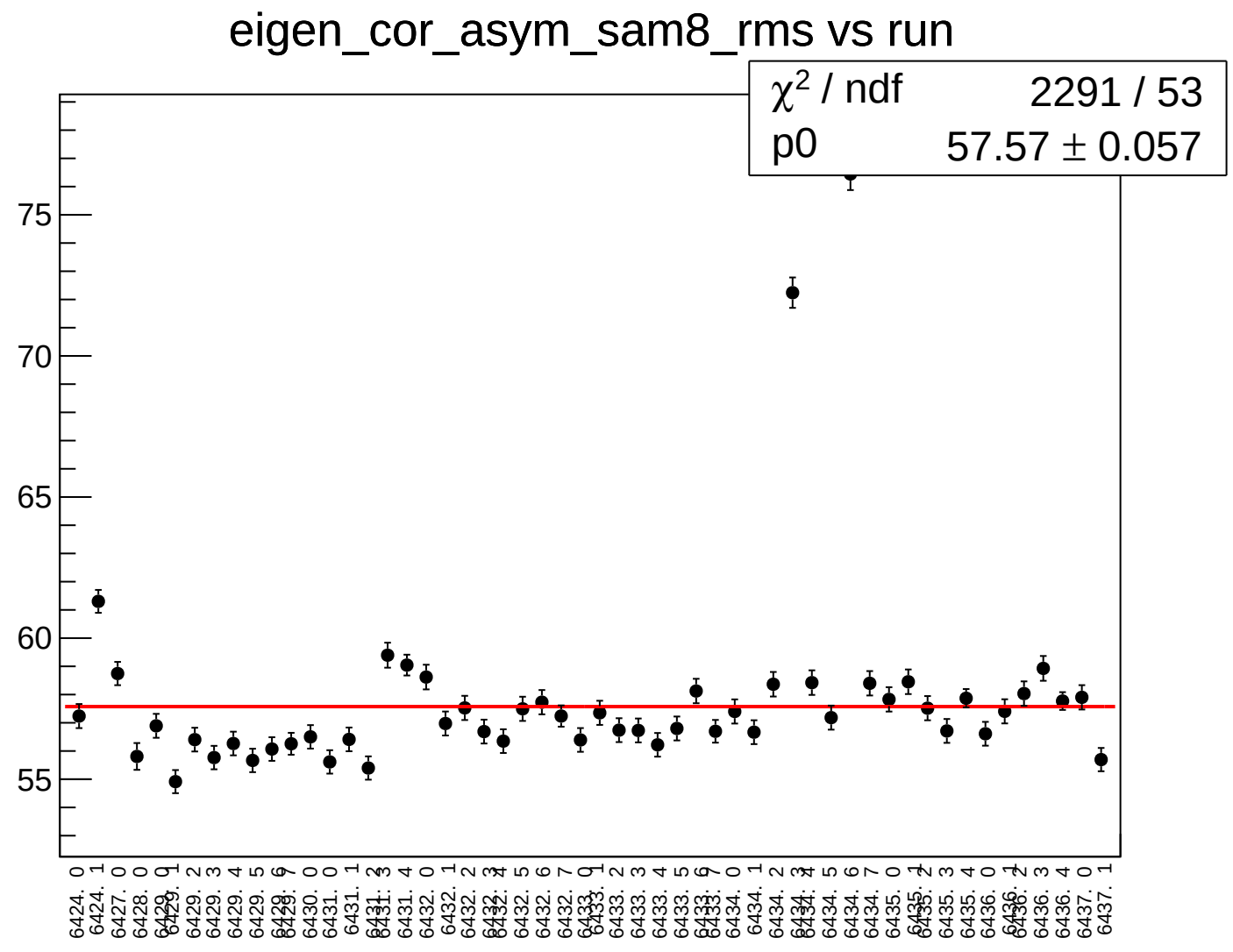
2
4
6
8


eigen_cor_asym_sam8_rms vs run
χ² / ndf 2291 / 53
p0 57.57 ± 0.057
75
70
65
60
55
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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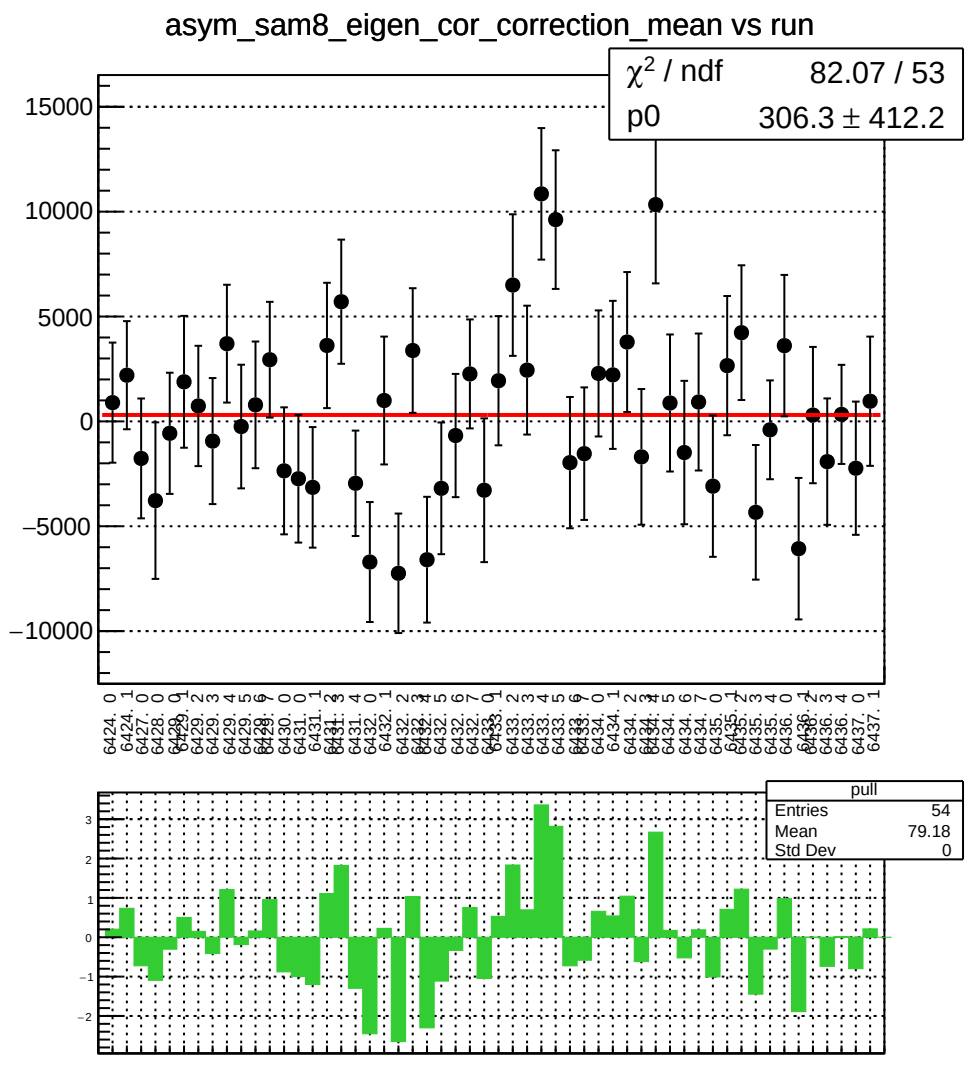
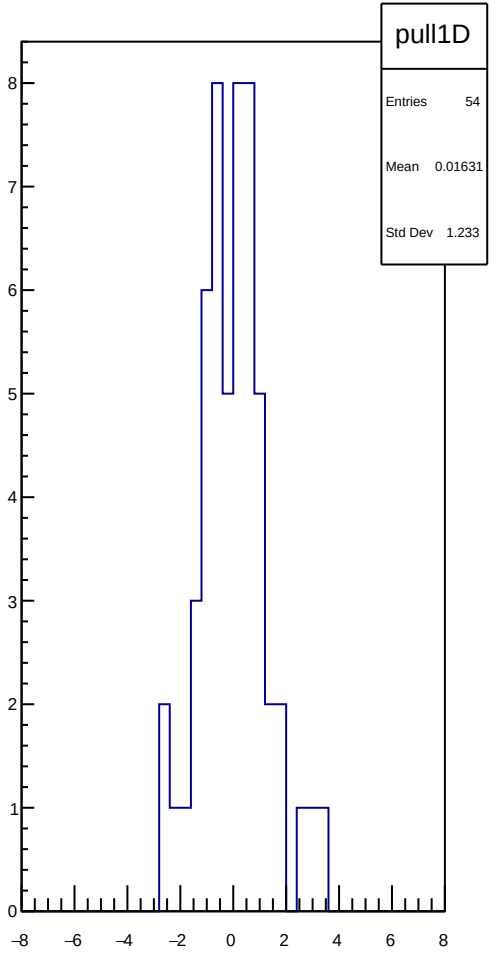
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 82.07 / 53
p0 306.3 ± 412.2
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 79.18
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01631
Std Dev 1.233
8
7
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5
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1
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−8
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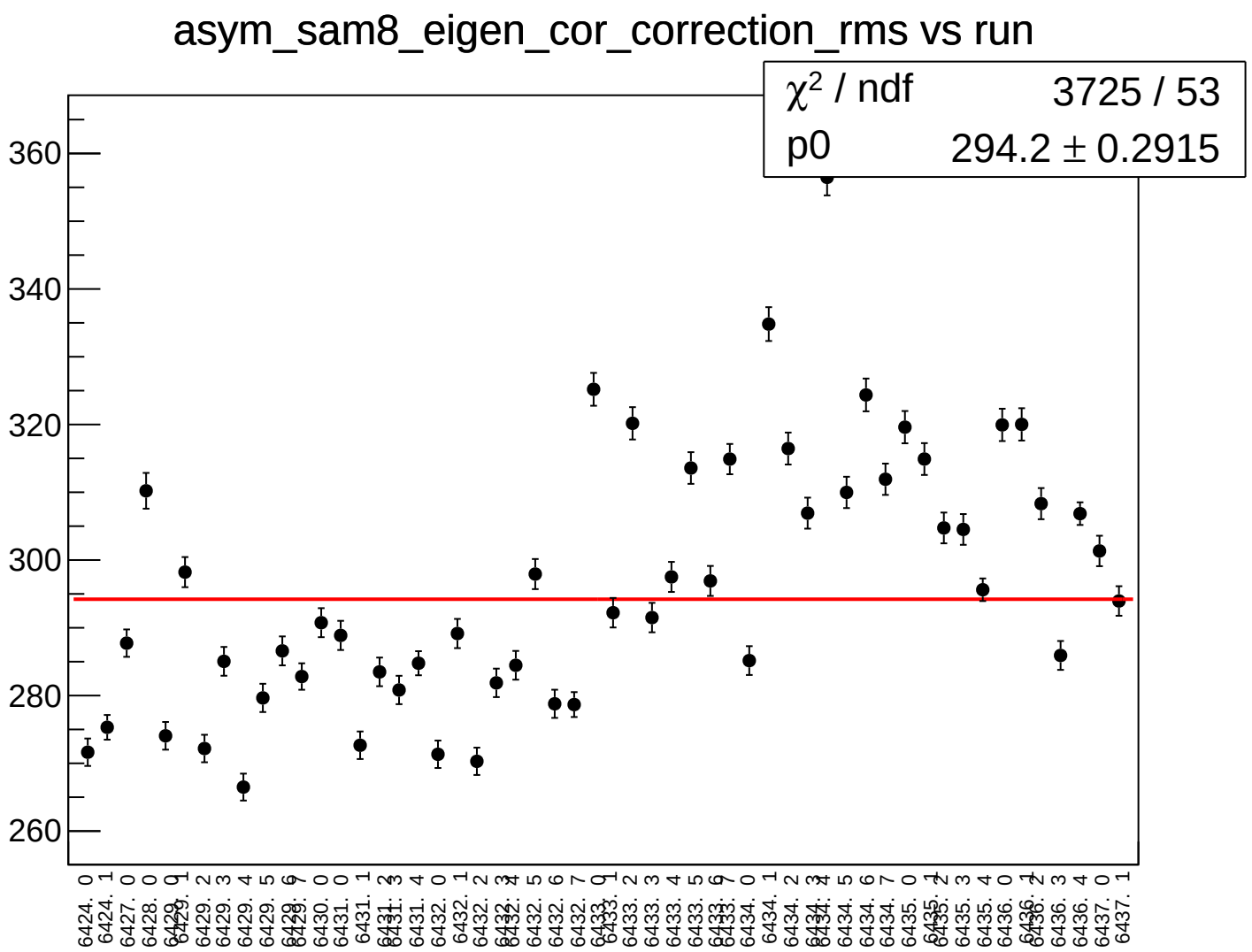
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 3725 / 53
p0 294.2 ± 0.2915
360
340
320
300
280
260
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
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6434. 5
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6435. 3
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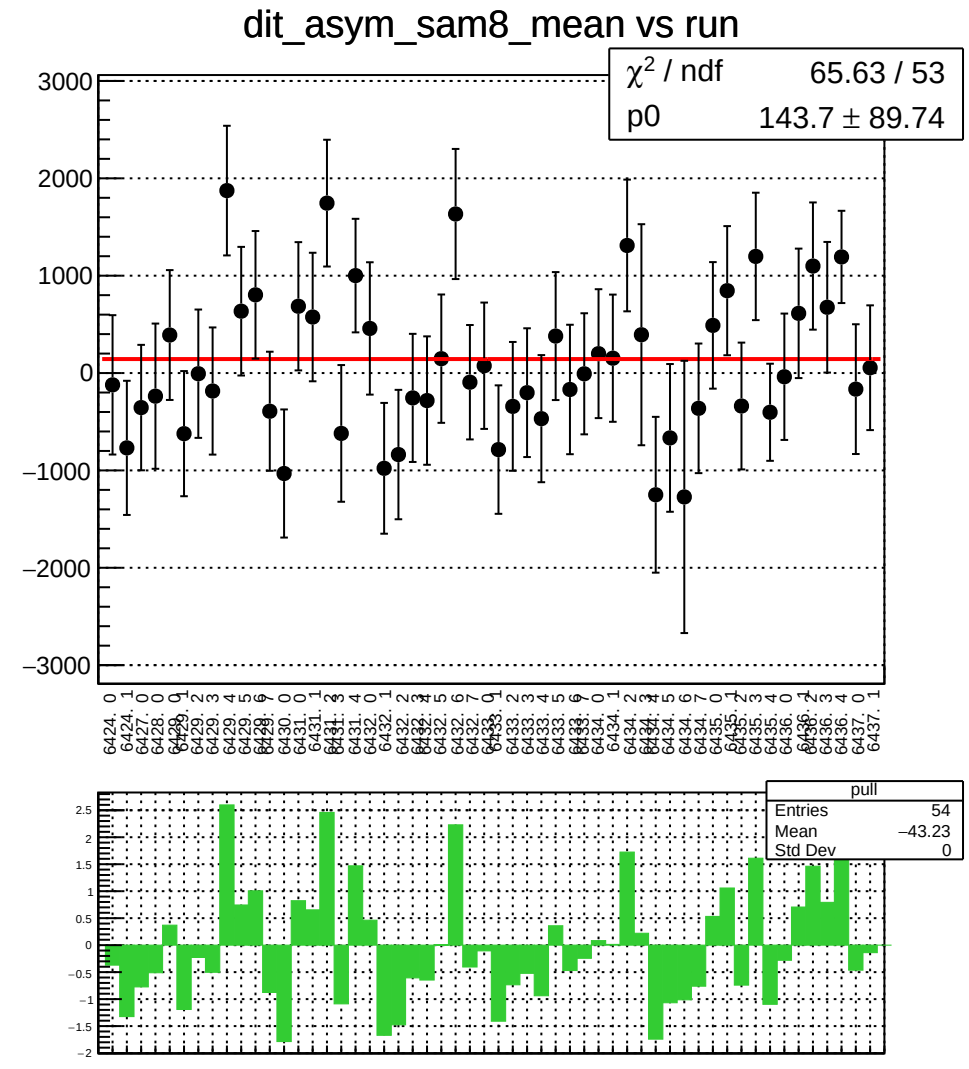
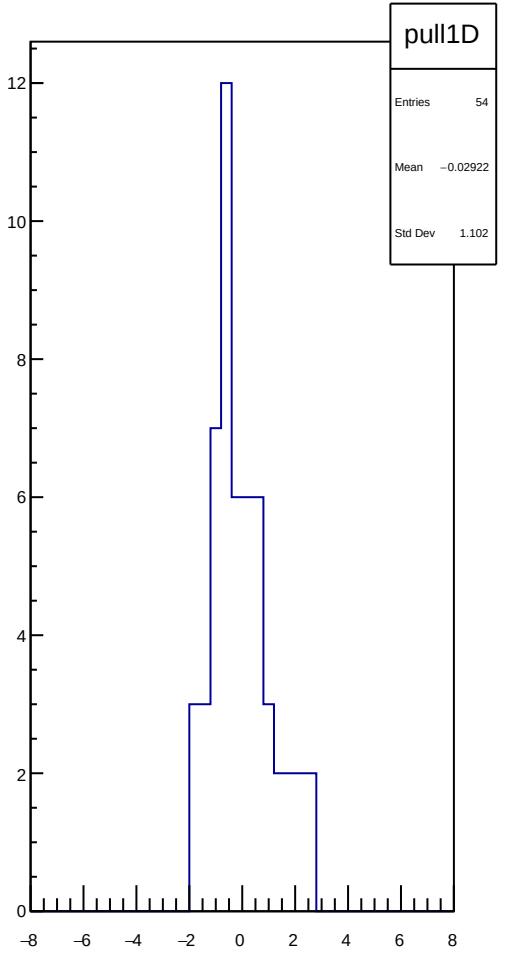
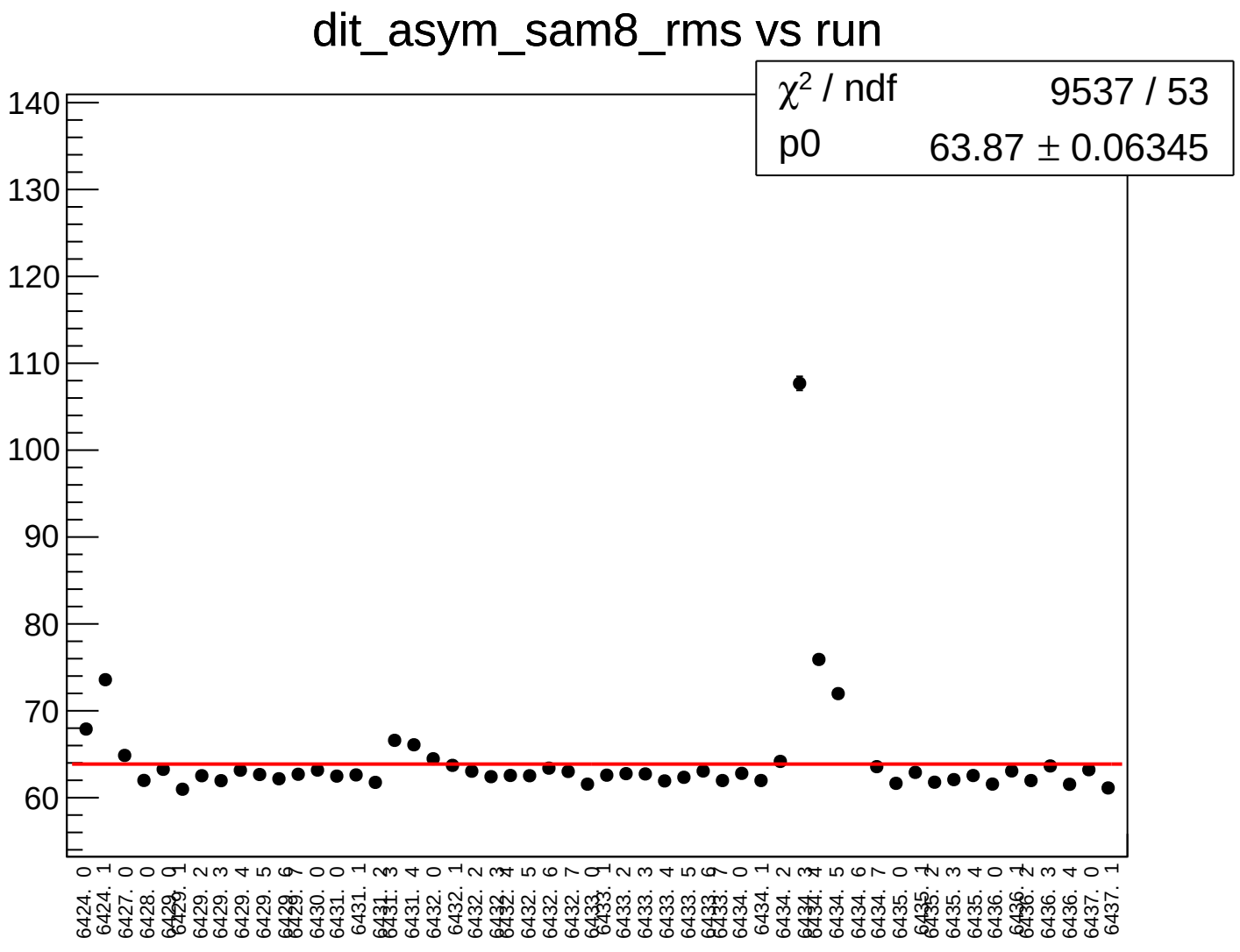
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam8_mean vs run
χ² / ndf 65.63 / 53
p0 143.7 ± 89.74
pull
Entries 54
Mean −43.23
Std Dev 0


pull1D
Entries 54
Mean −0.02922
Std Dev 1.102


dit_asym_sam8_rms vs run
χ² / ndf 9537 / 53
p0 63.87 ± 0.06345
140
130
120
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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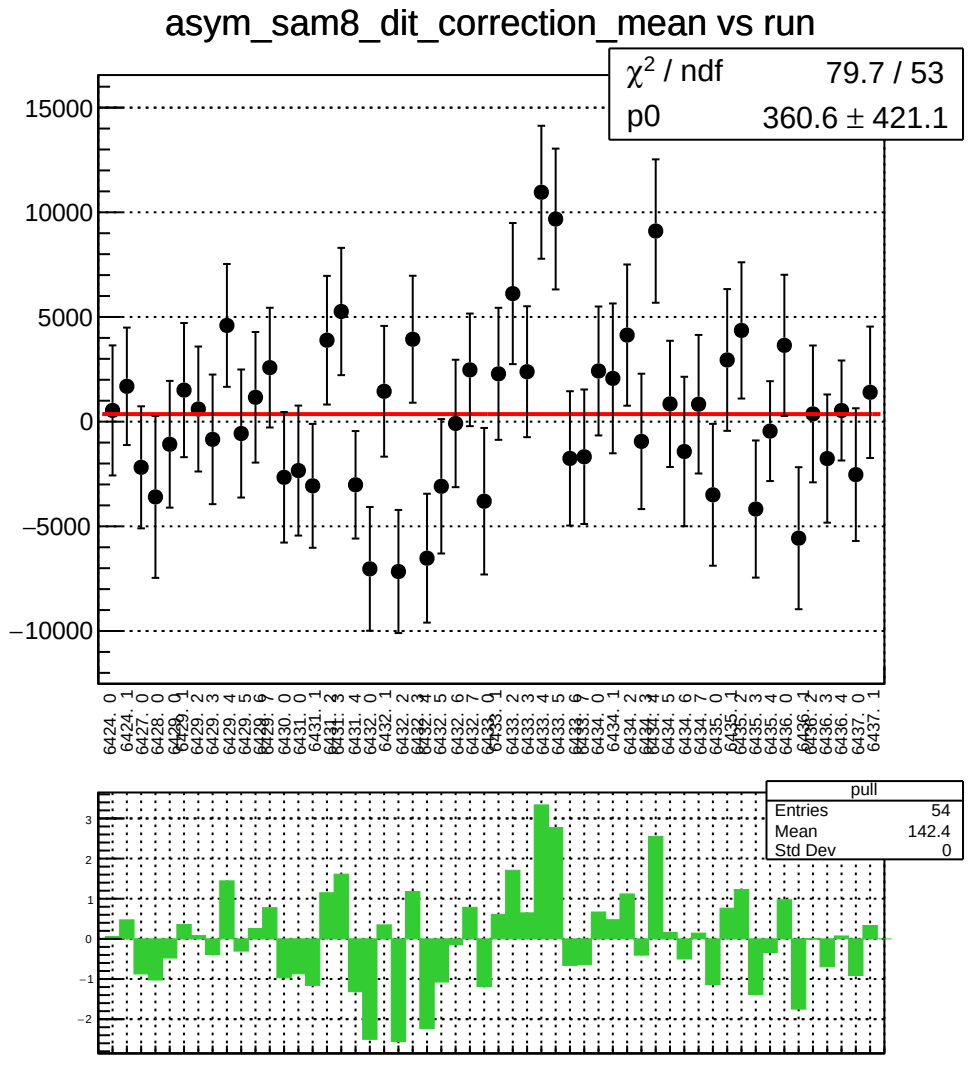
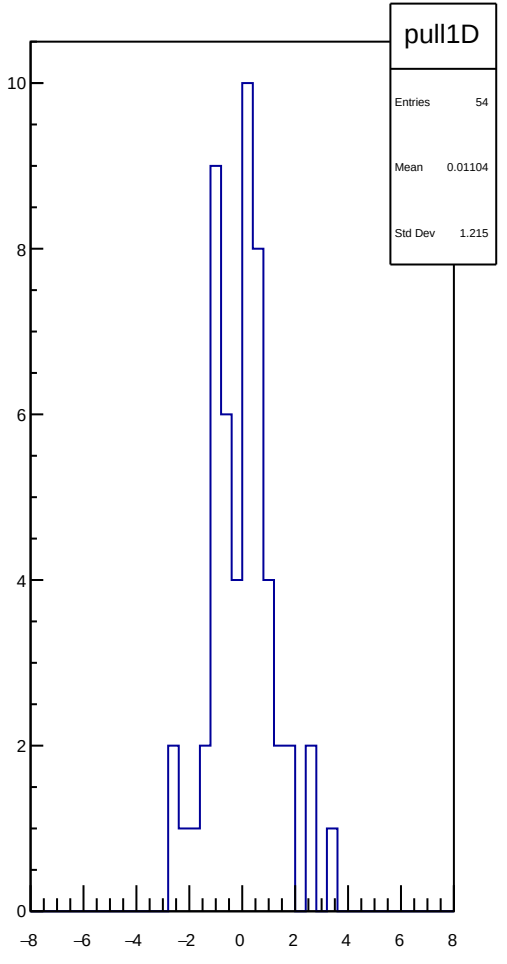
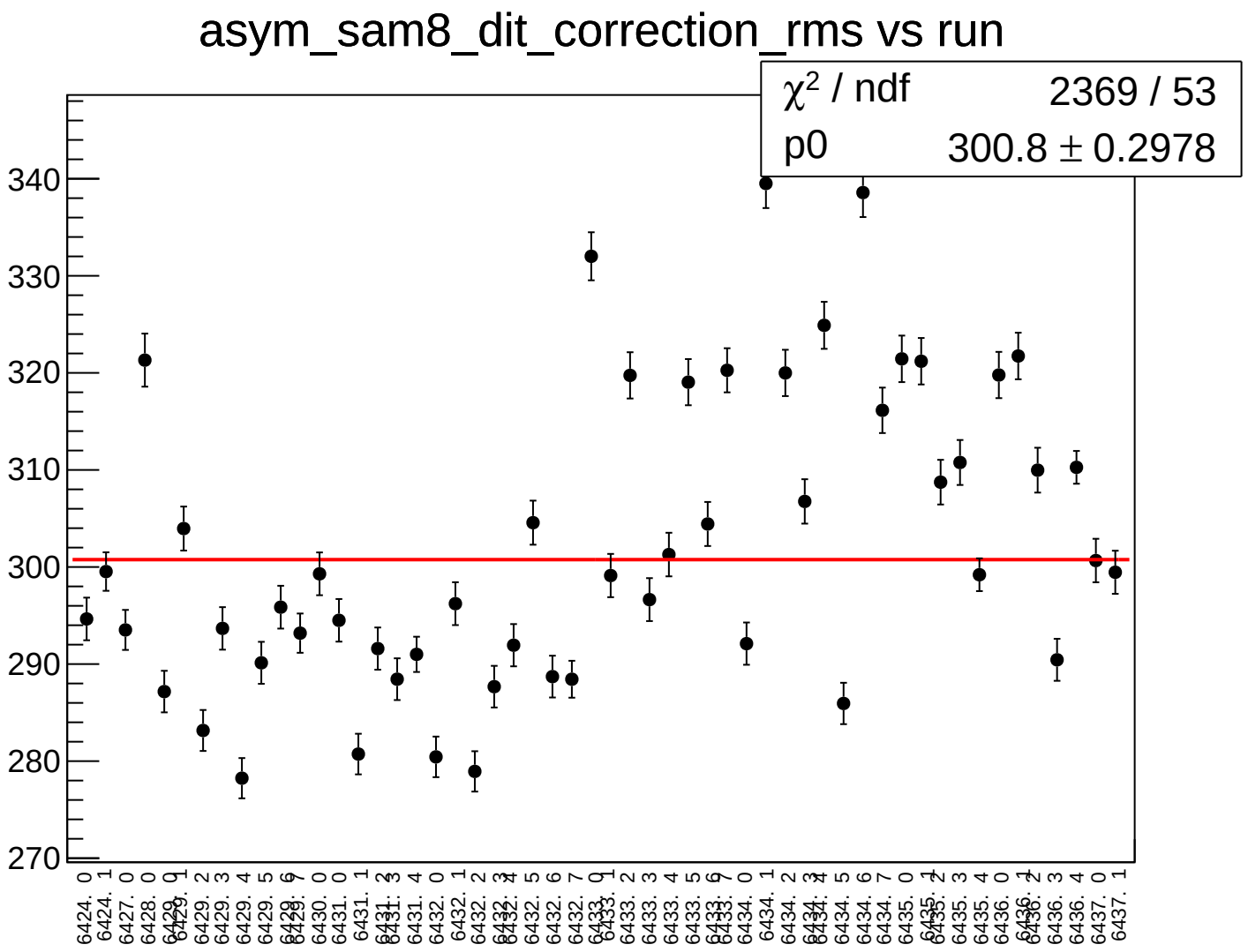
6436. 4
6437. 0
6437. 1


asym_sam8_dit_correction_mean vs run
χ² / ndf 79.7 / 53
p0 360.6 ± 421.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 142.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01104
Std Dev 1.215
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_dit_correction_rms vs run
χ² / ndf 2369 / 53
p0 300.8 ± 0.2978
340
330
320
310
300
290
280
270
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
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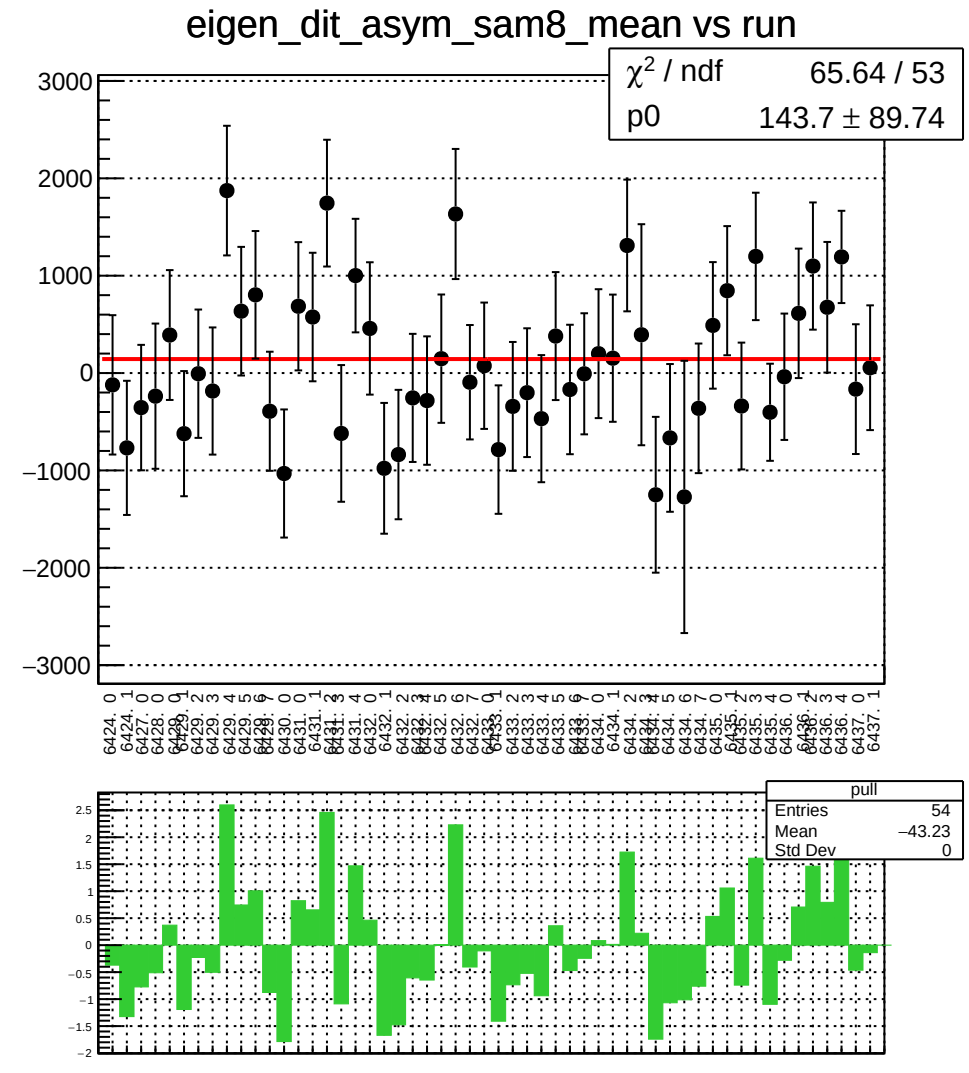
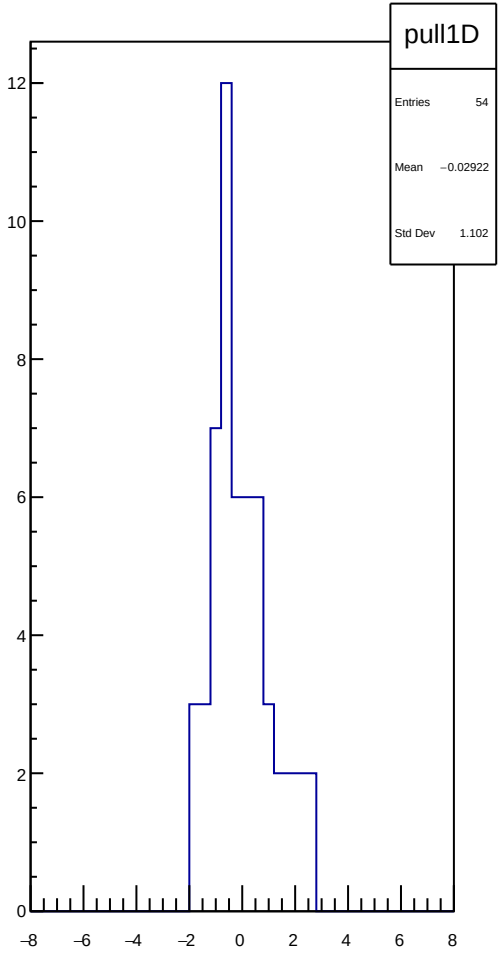
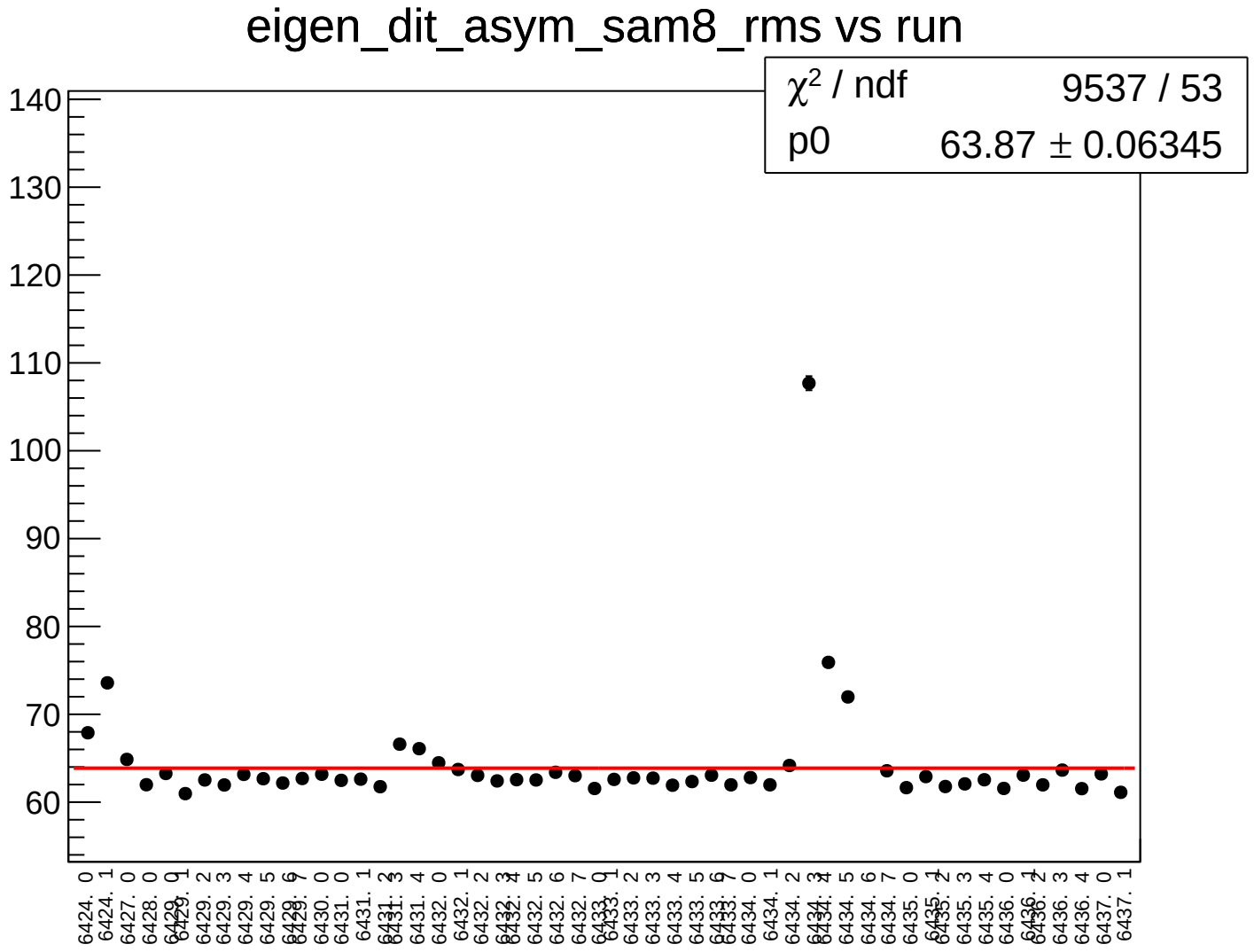
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam8_mean vs run
χ² / ndf 65.64 / 53
p0 143.7 ± 89.74
pull
Entries 54
Mean −43.23
Std Dev 0


pull1D
Entries 54
Mean −0.02922
Std Dev 1.102


eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 9537 / 53
p0 63.87 ± 0.06345
140
130
120
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
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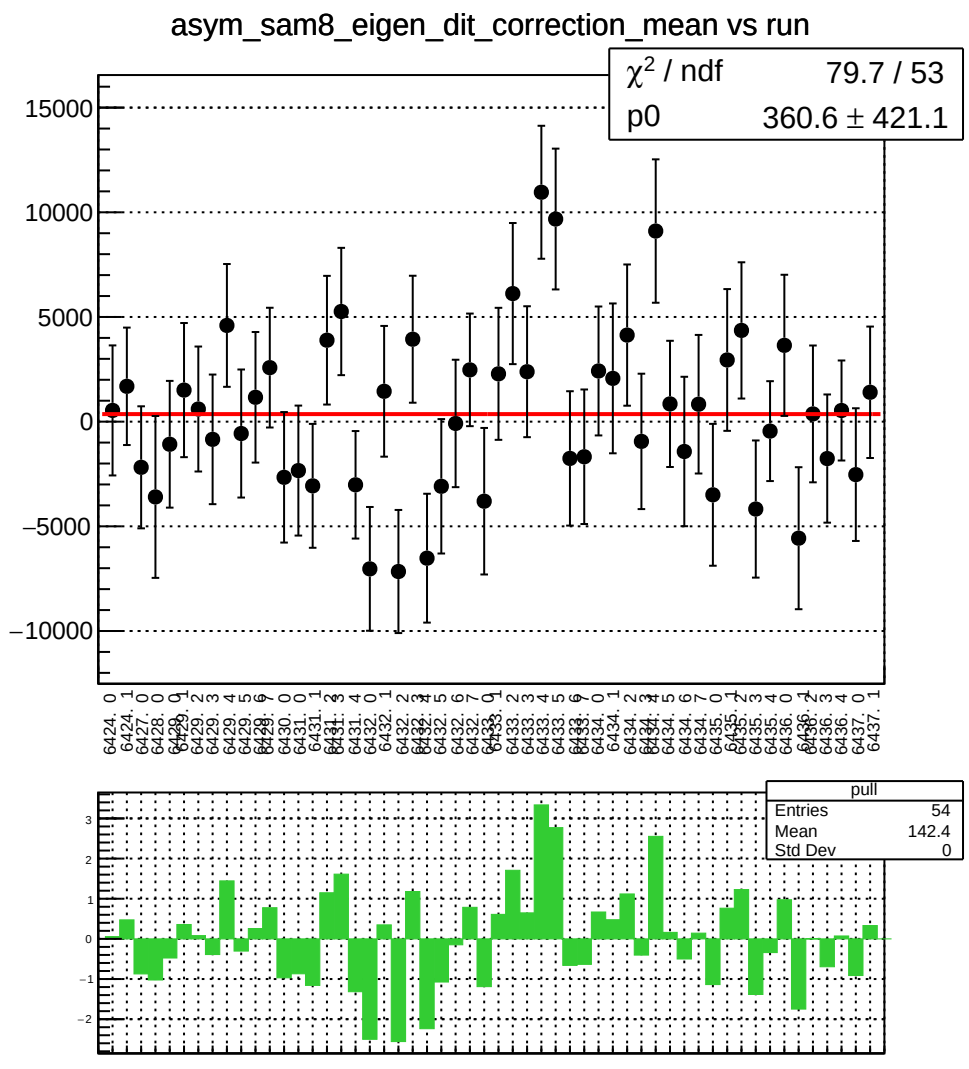
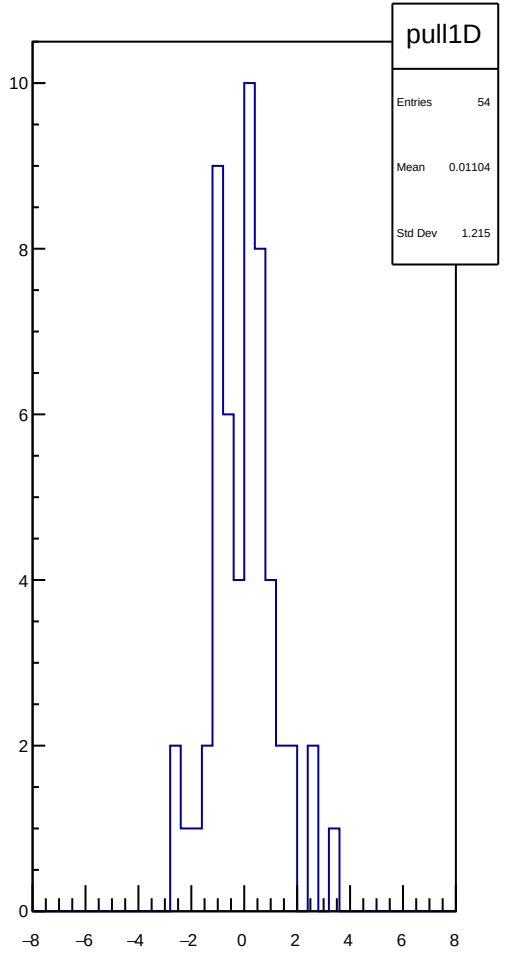
6437. 1


asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 79.7 / 53
p0 360.6 ± 421.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 142.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.01104
Std Dev 1.215
10
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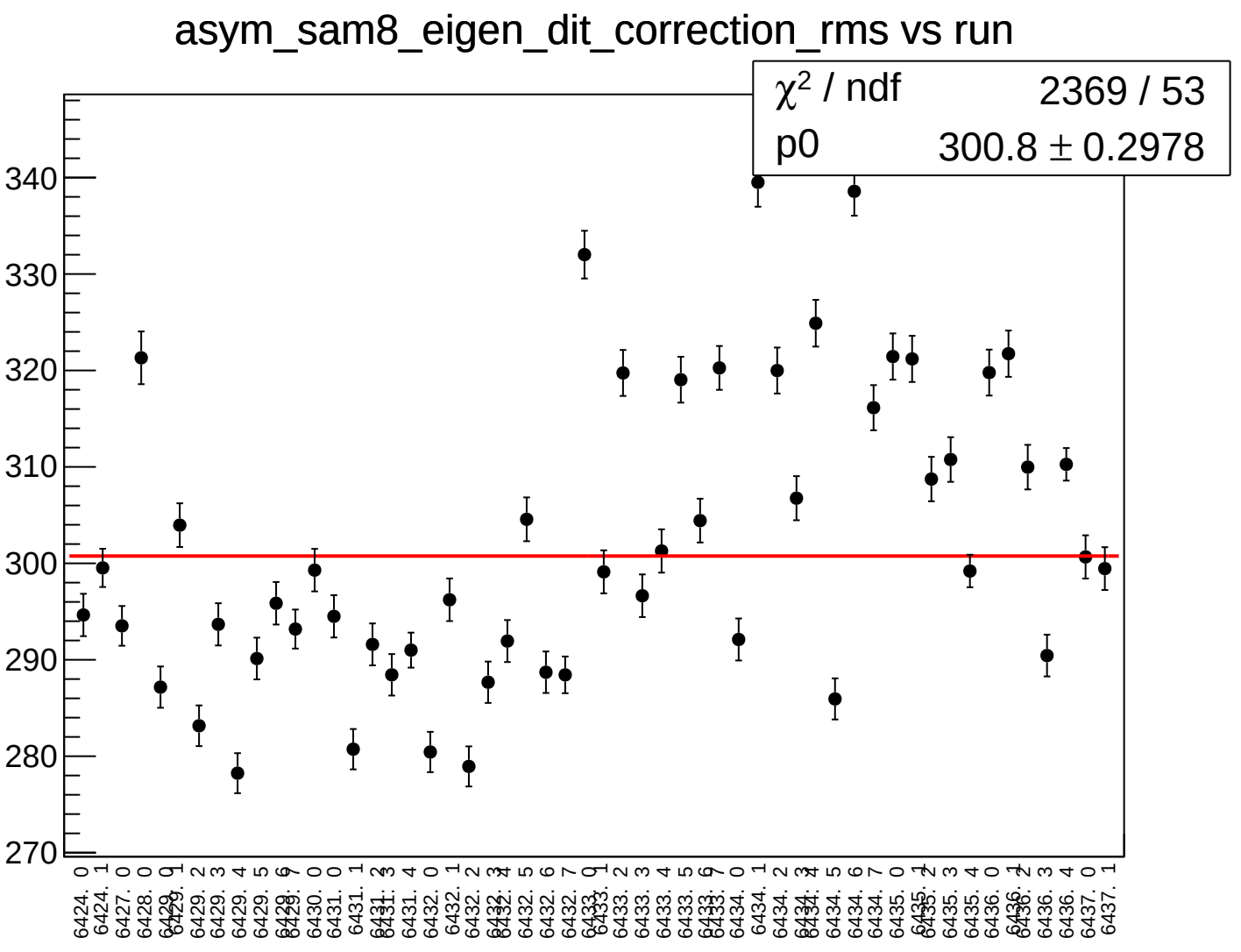
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 2369 / 53
p0 300.8 ± 0.2978
340
330
320
310
300
290
280
270
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
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6432. 6
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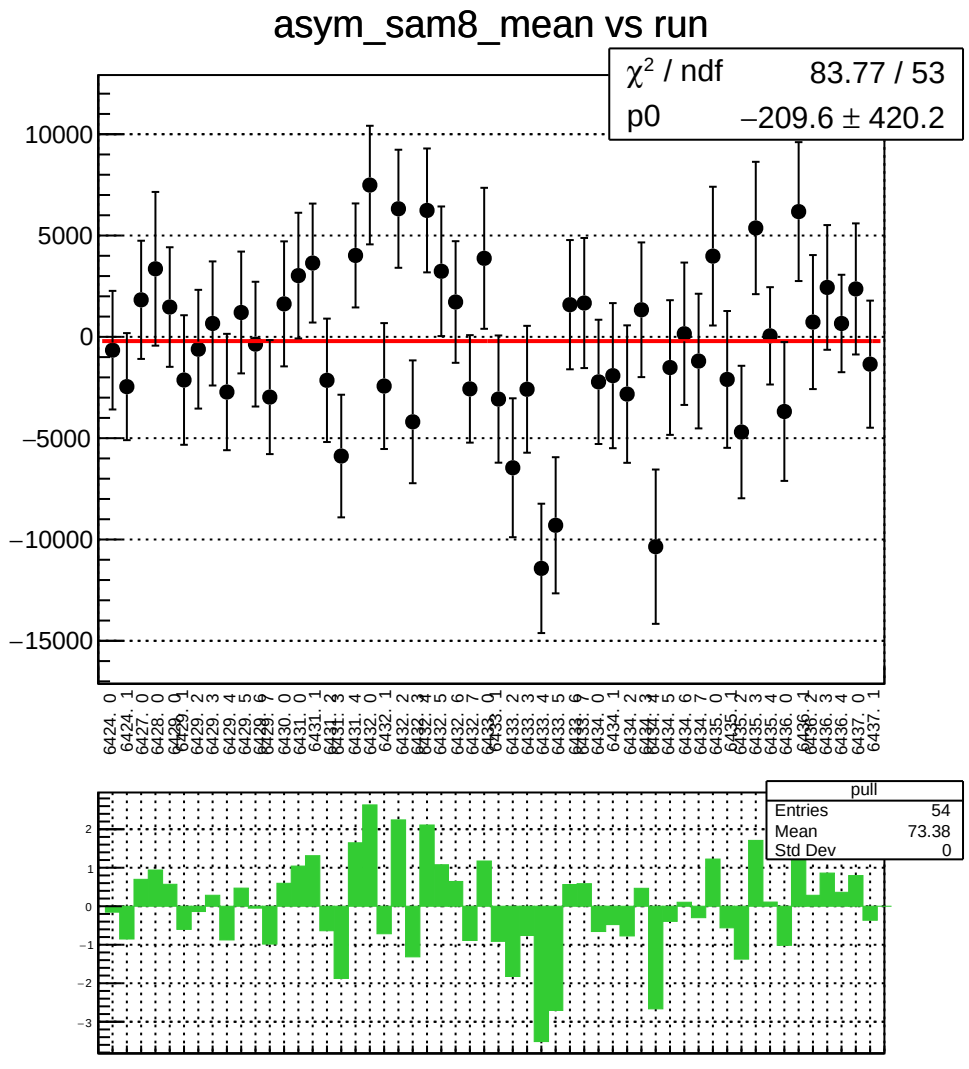
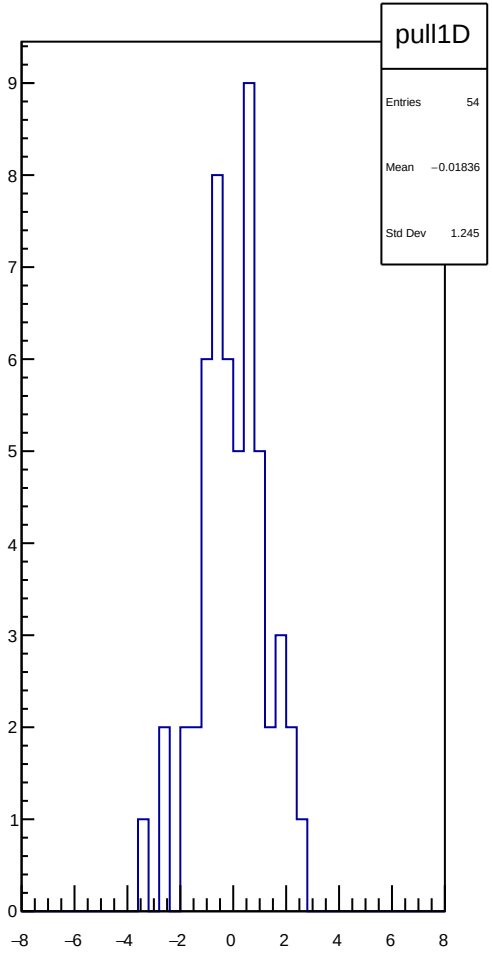
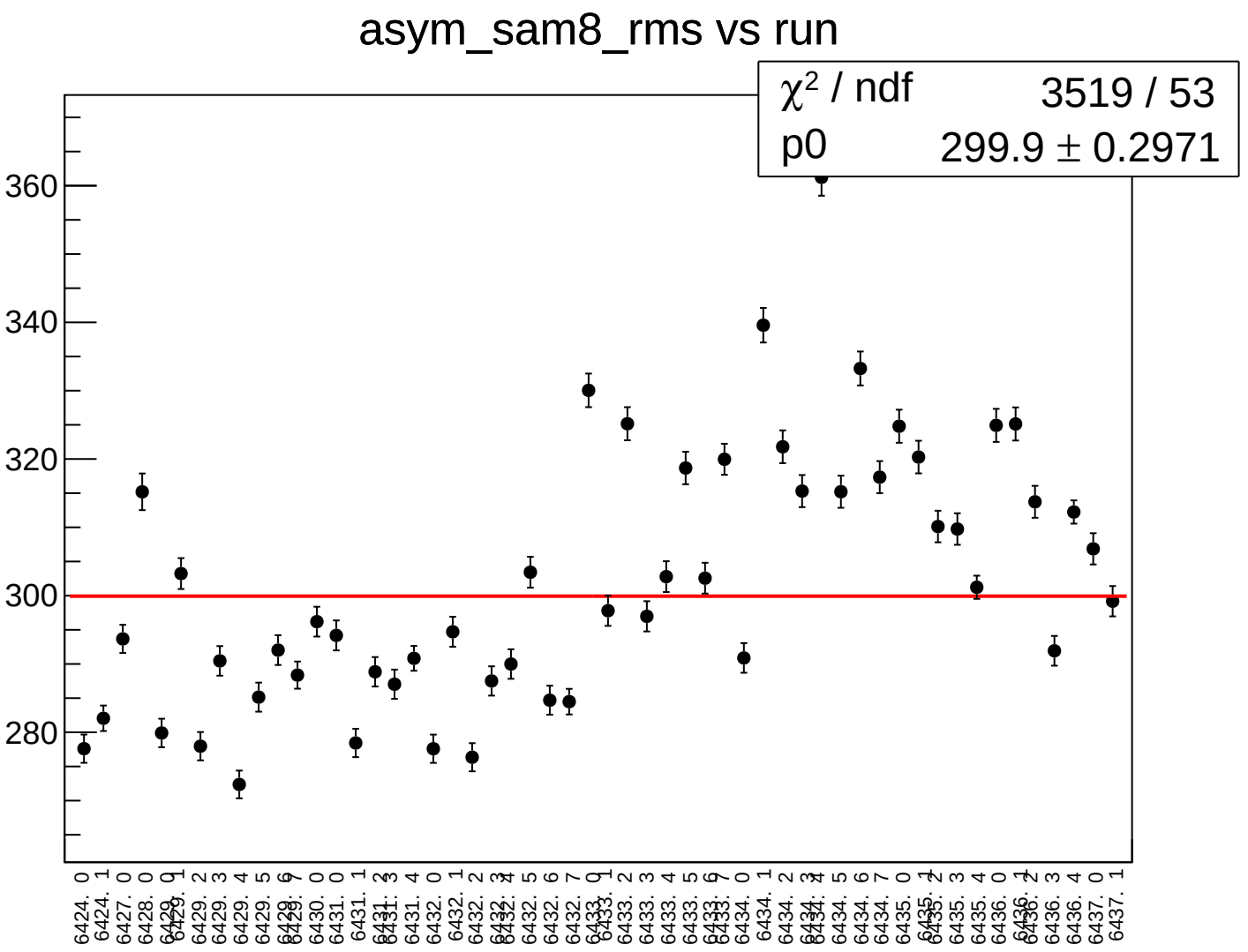
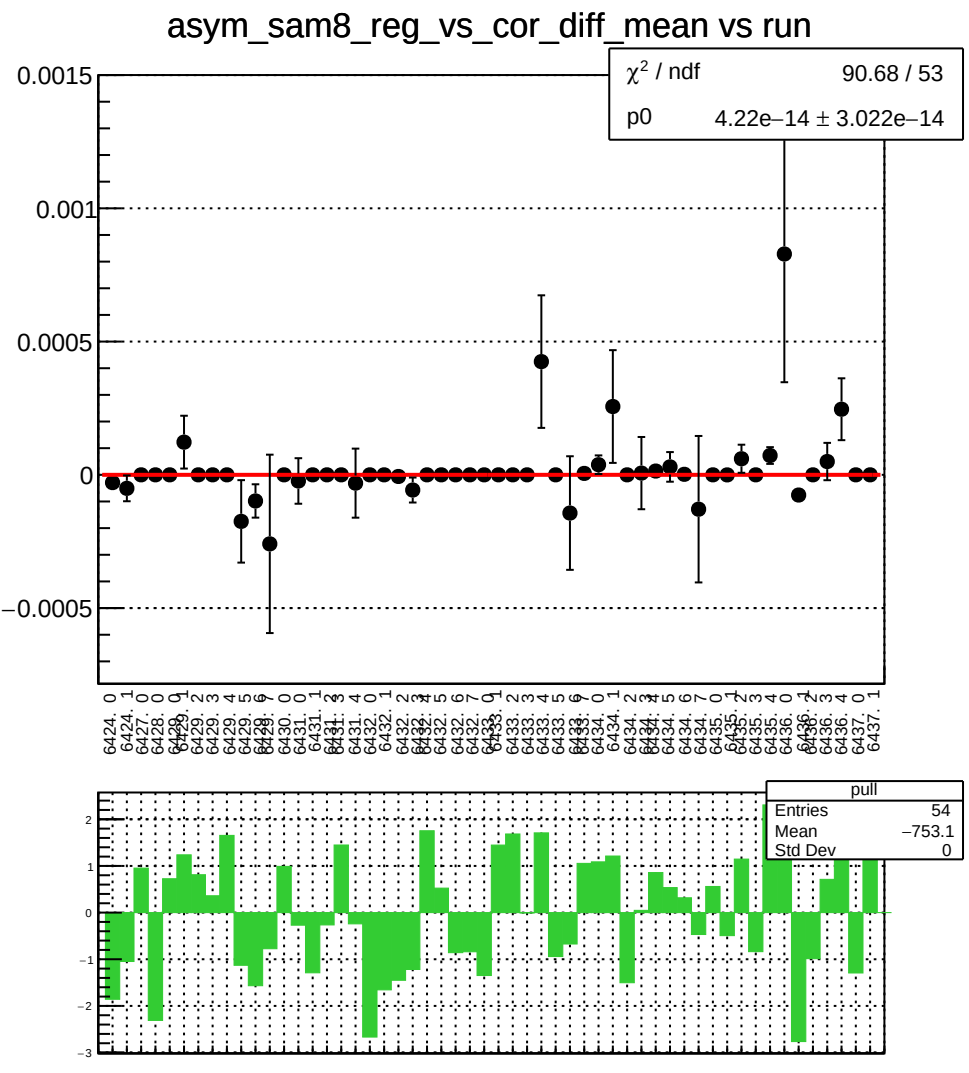
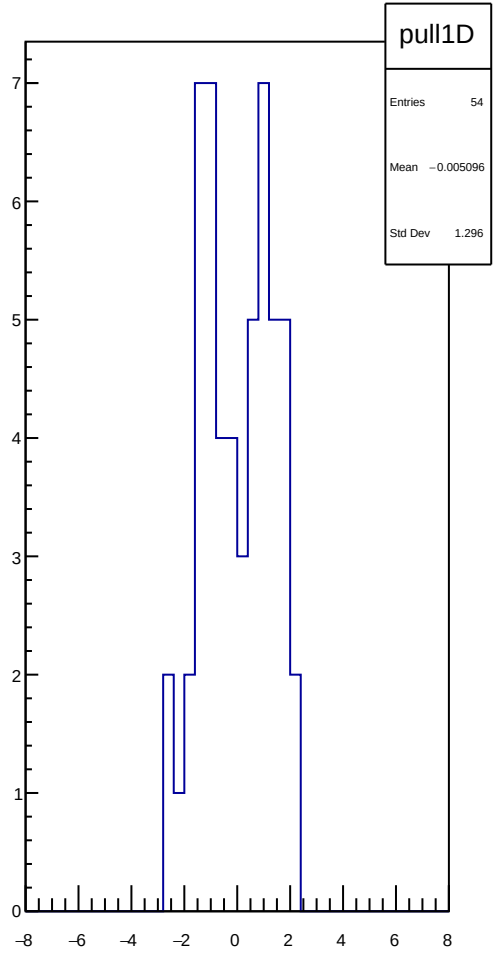
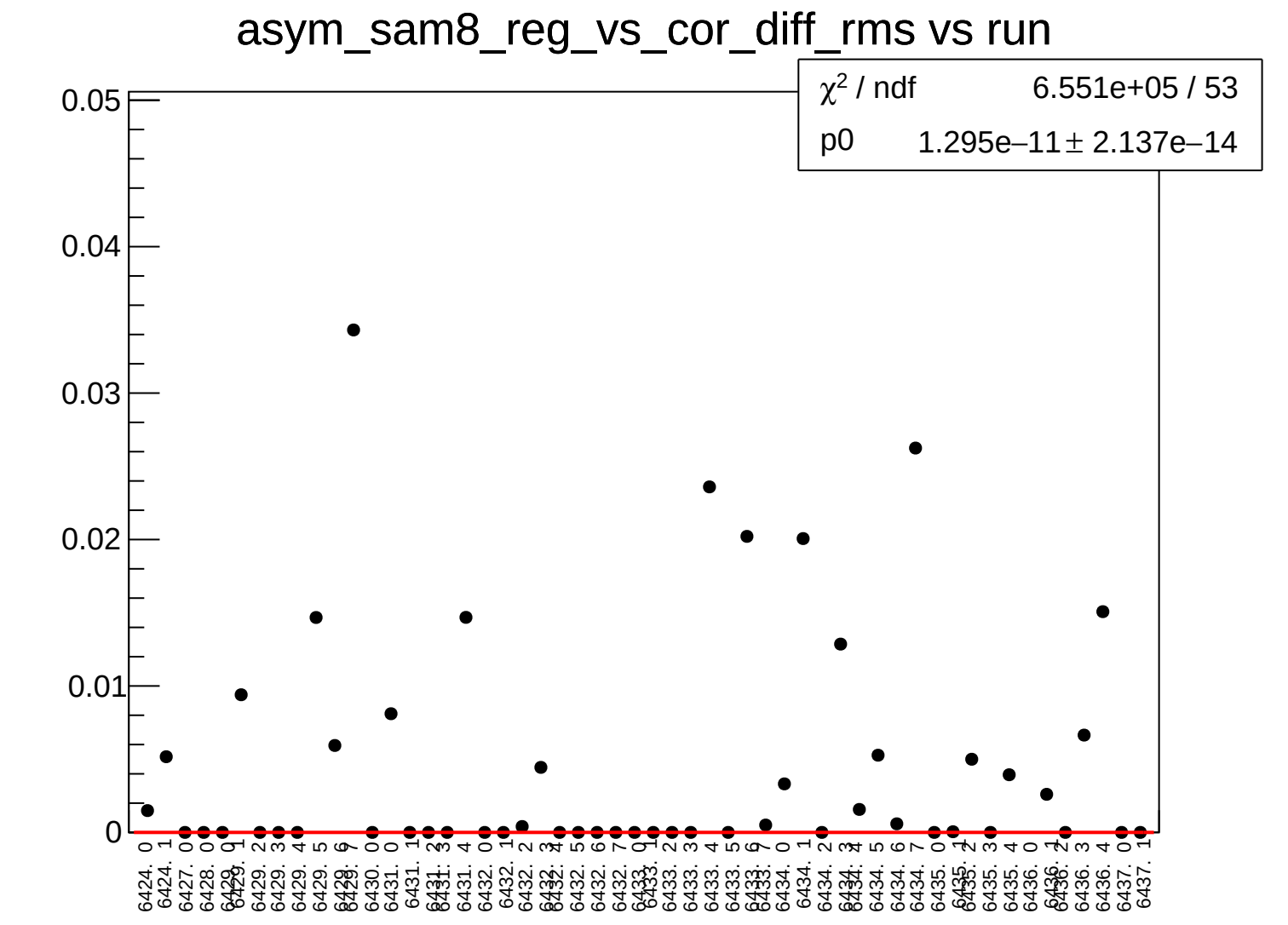

asym_sam8_mean vs run
χ² / ndf 83.77 / 53
p0 −209.6 ± 420.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 73.38
Std Dev 0
2
1
0
−1
−2
−3

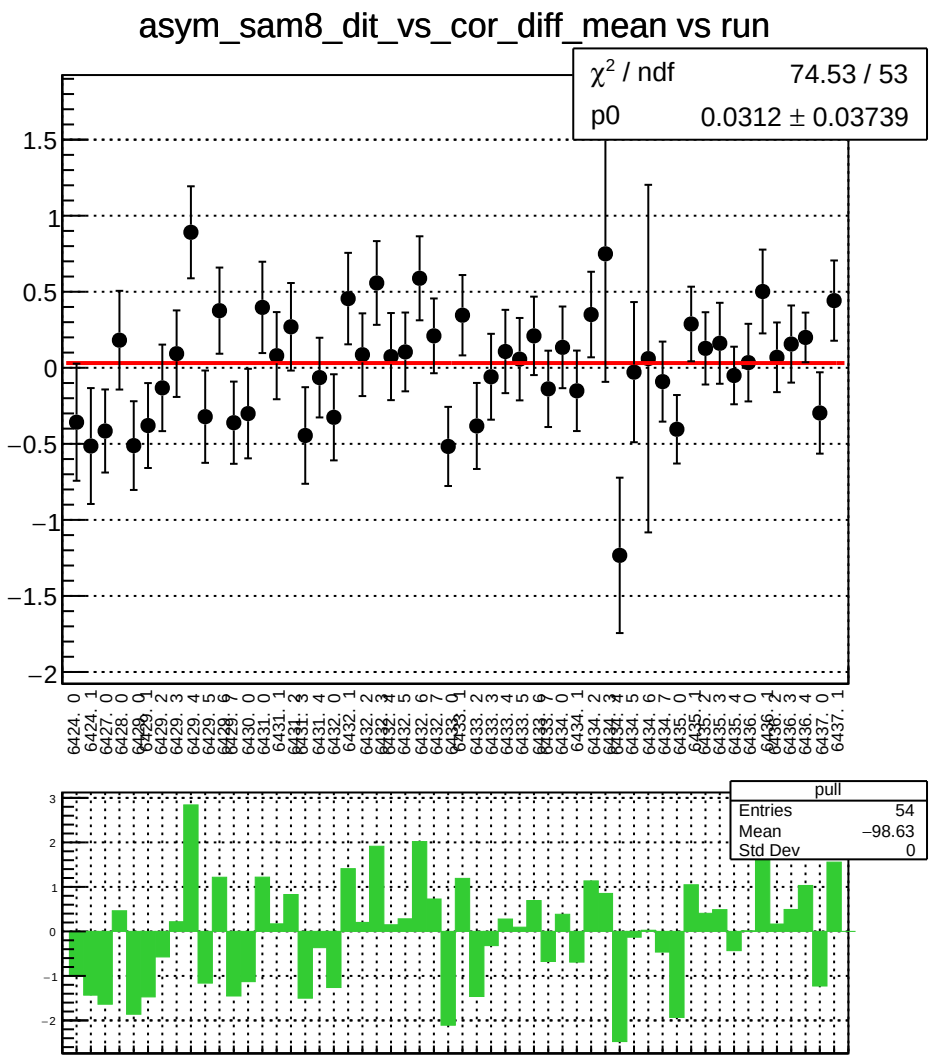

pull1D
Entries 54
Mean −0.01836
Std Dev 1.245
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

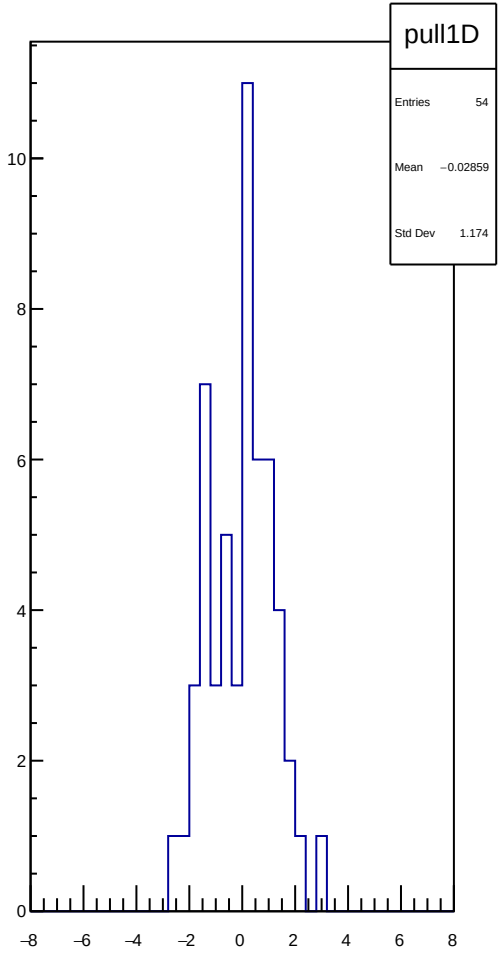

asym_sam8_rms vs run
χ² / ndf 3519 / 53
p0 299.9 ± 0.2971
360
340
320
300
280
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

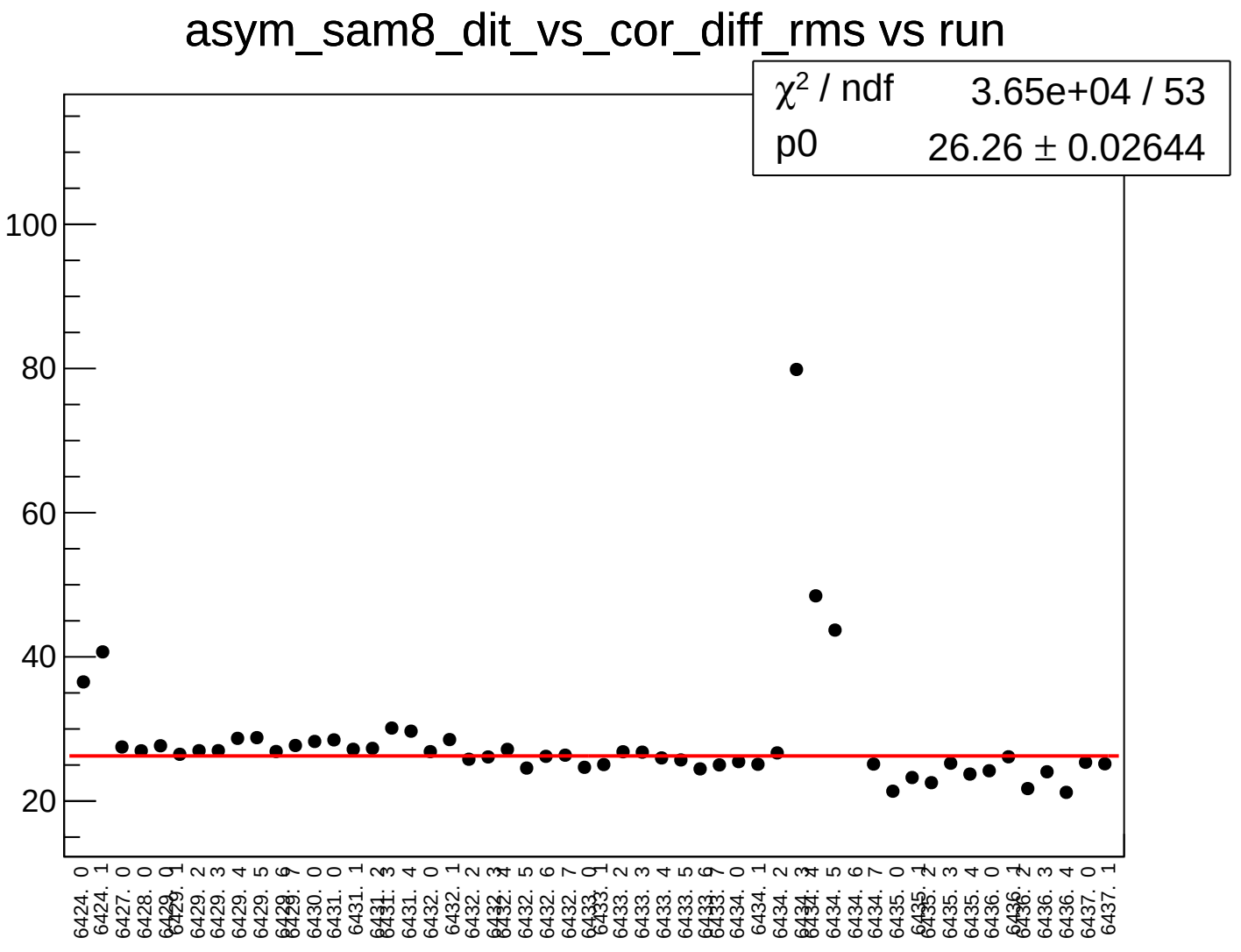

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 90.68 / 53
p0 4.22e−14 ± 3.022e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 54
Mean −753.1
Std Dev 0
2
1
0
−1
−2
−3

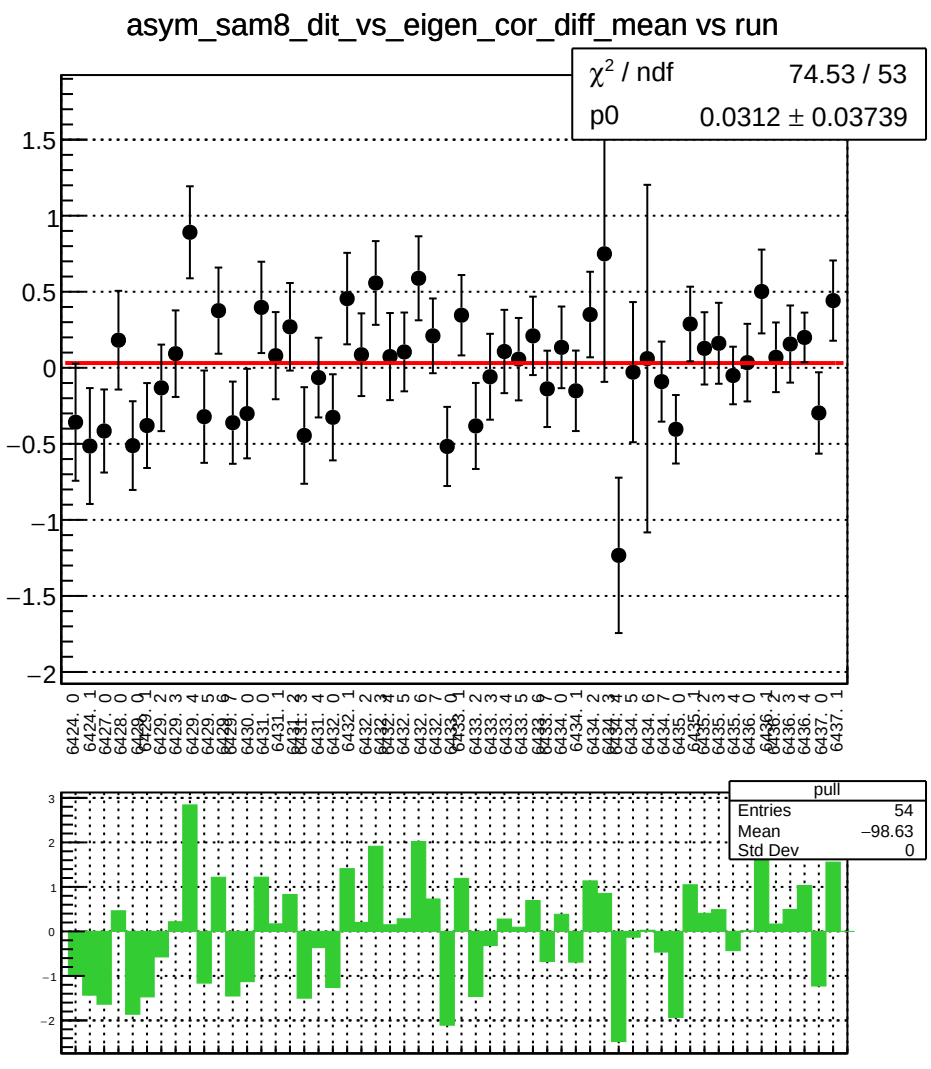

pull1D
Entries 54
Mean −0.005096
Std Dev 1.296
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

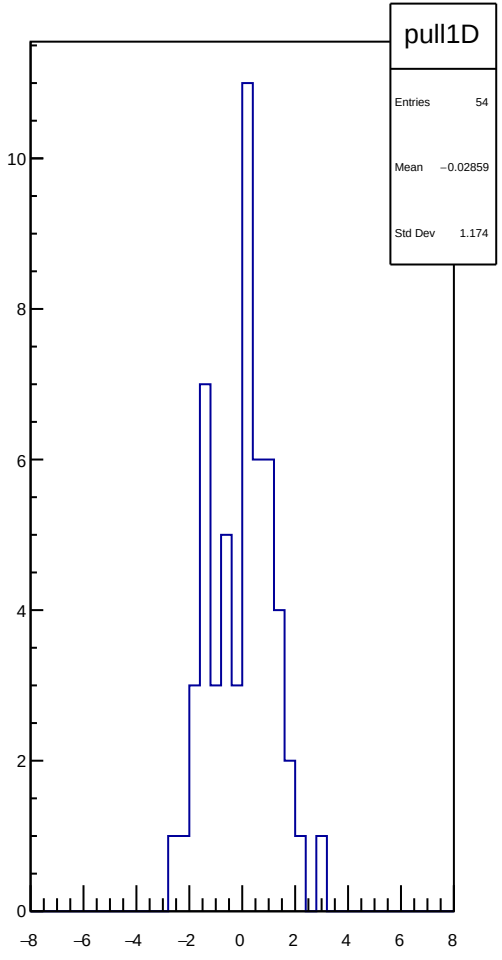

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.551e+05 / 53
p0 1.295e−11 ± 2.137e−14
0.05
0.04
0.03
0.02
0.01
0

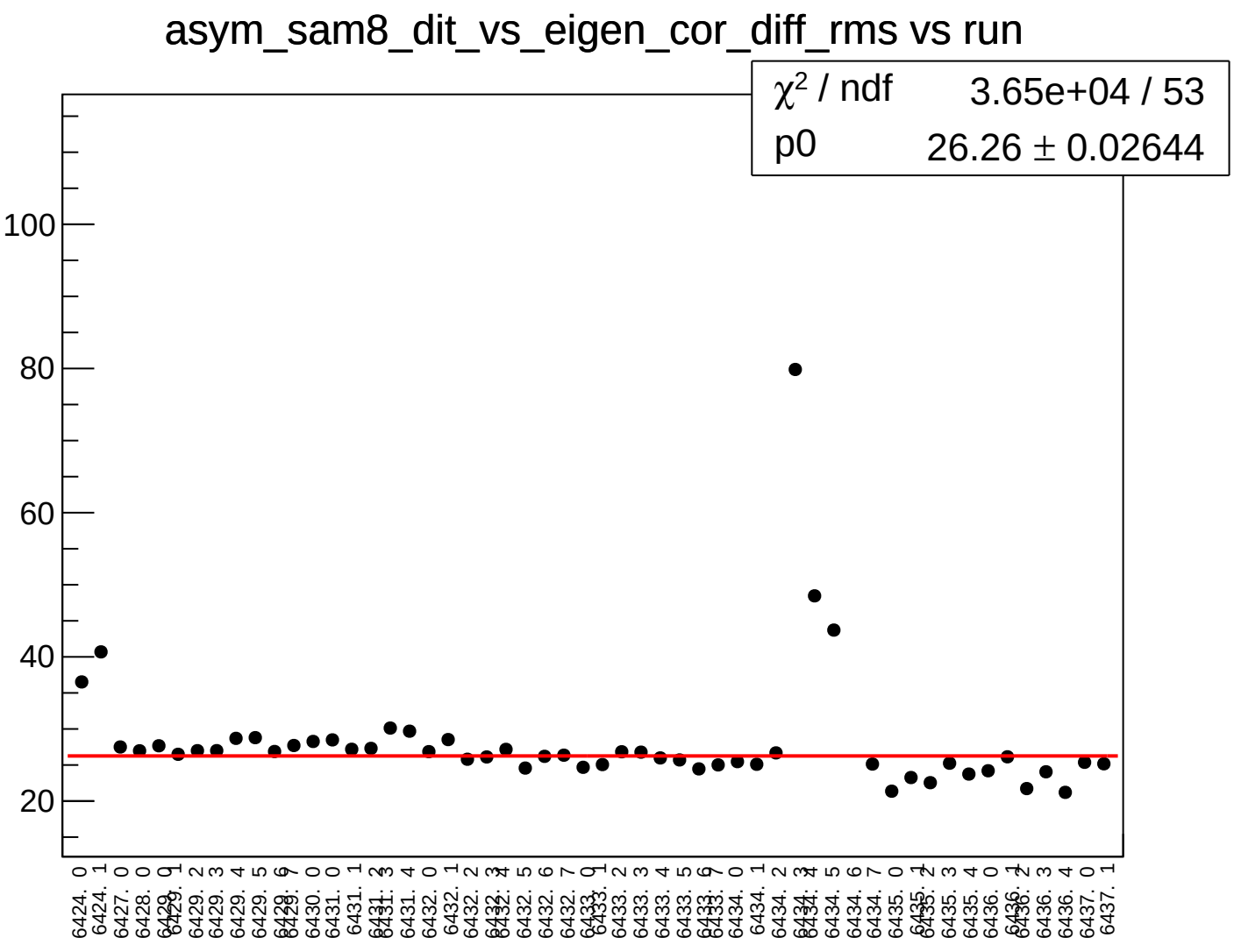

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 74.53 / 53
p0 0.0312 ± 0.03739
pull
Entries 54
Mean −98.63
Std Dev 0

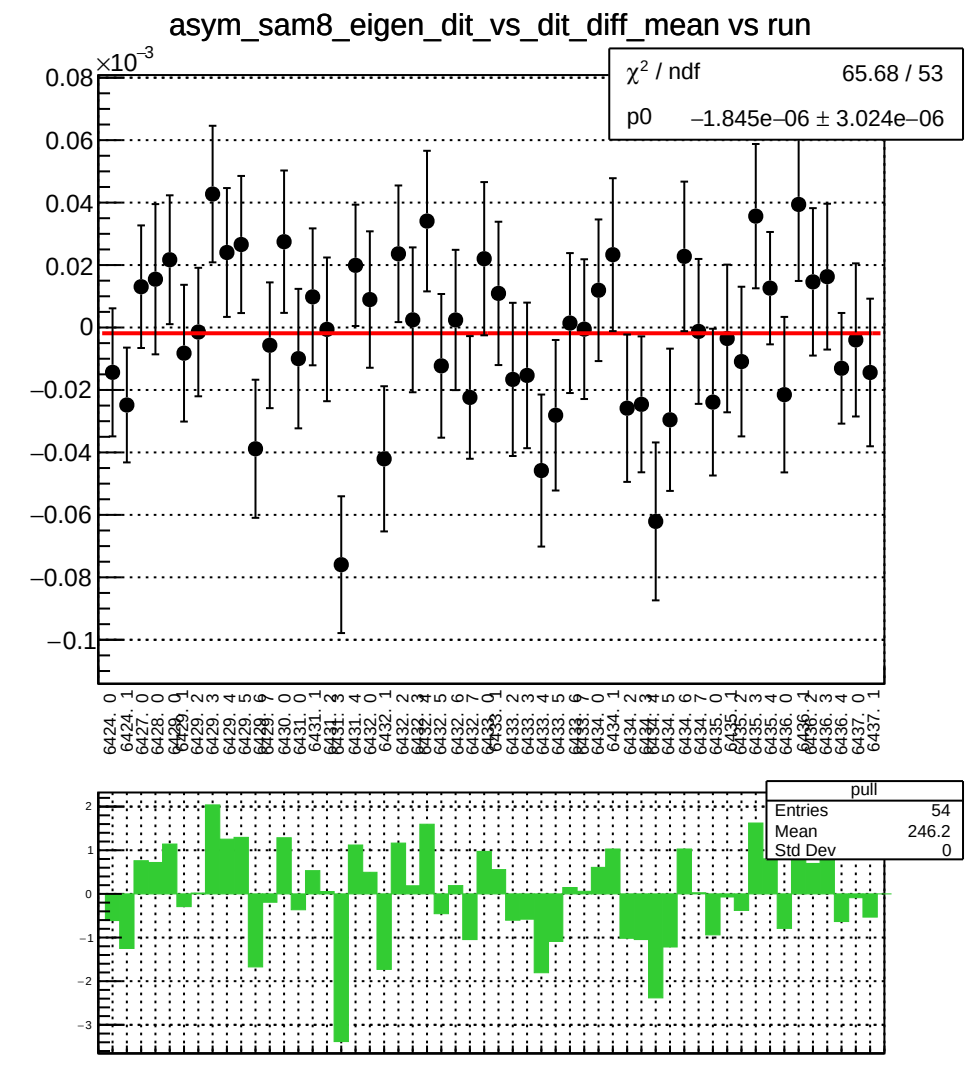

pull1D
Entries 54
Mean −0.02859
Std Dev 1.174

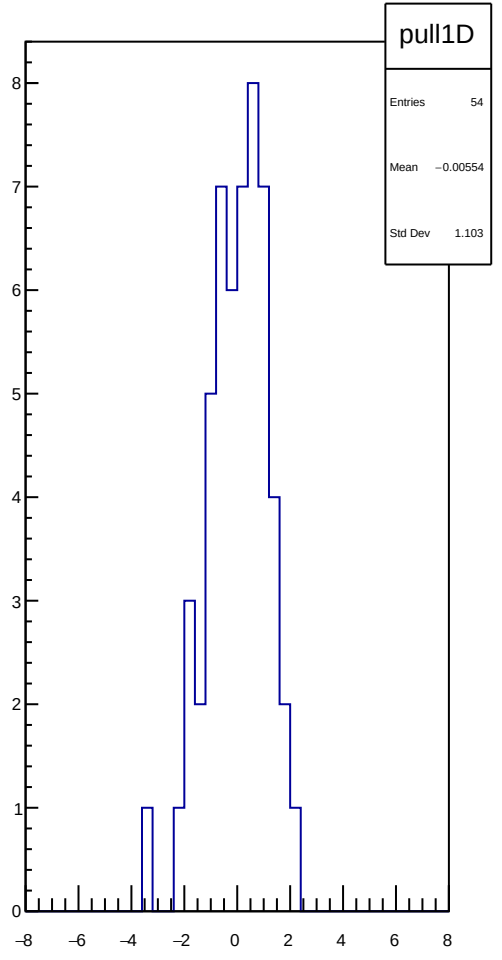

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 26.26 ± 0.02644
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

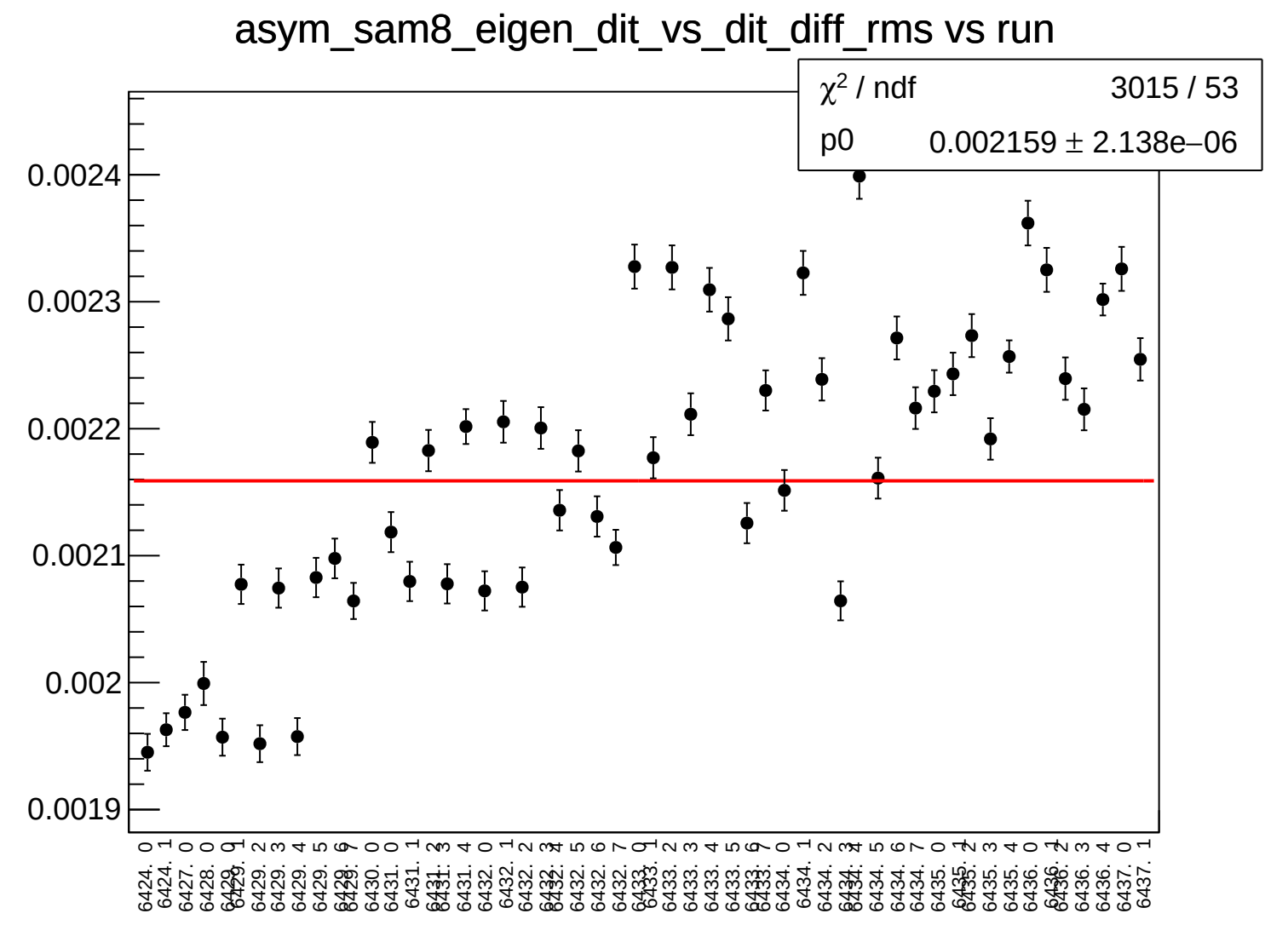

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.53 / 53
p0 0.0312 ± 0.03739
pull
Entries 54
Mean −98.63
Std Dev 0

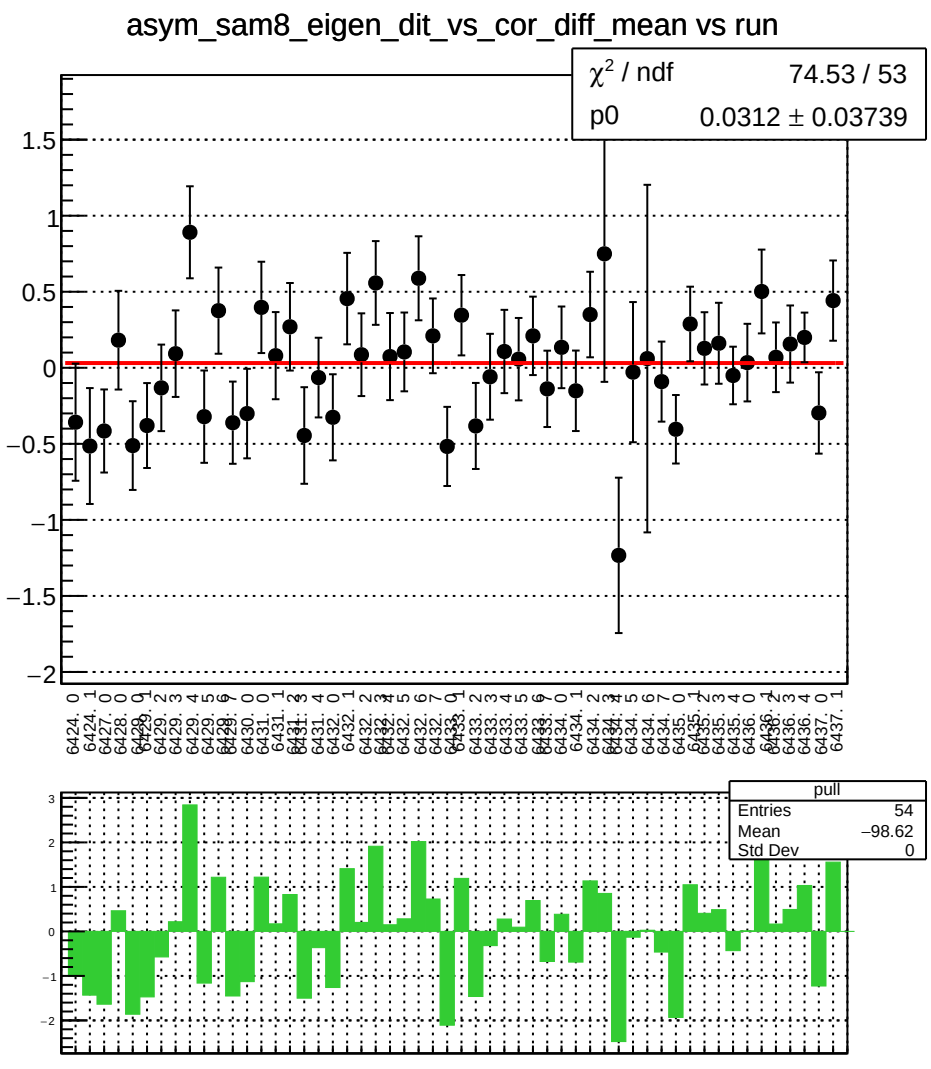

pull1D
Entries 54
Mean −0.02859
Std Dev 1.174

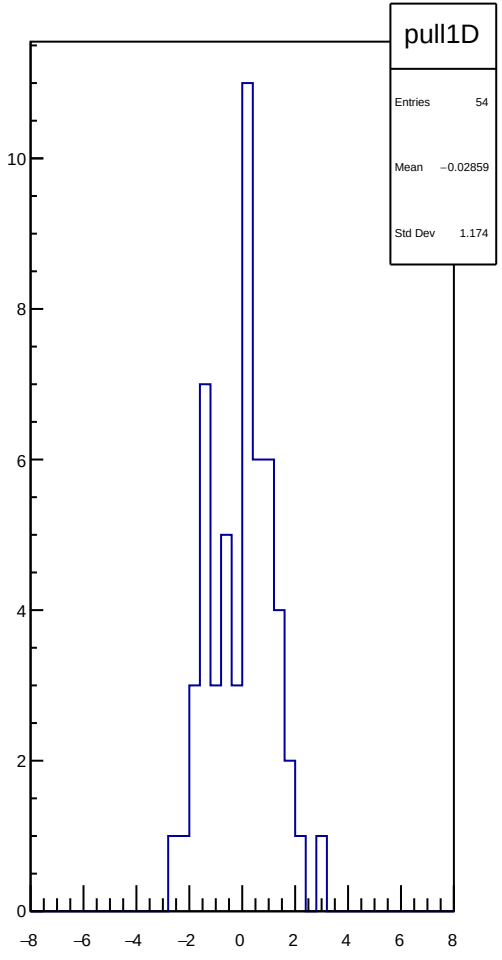

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 26.26 ± 0.02644
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

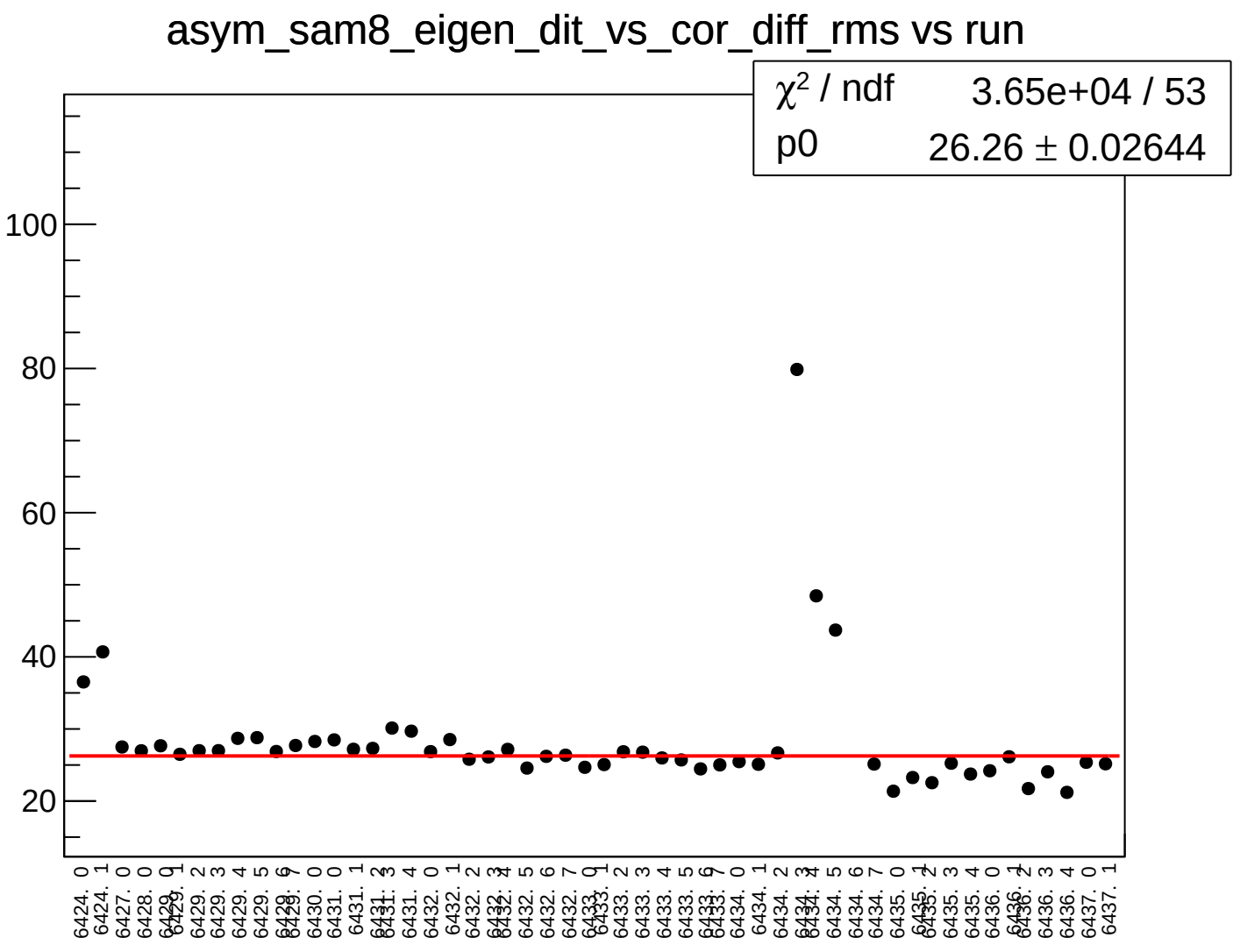

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.68 / 53
p0 −1.845e−06 ± 3.024e−06
pull
Entries 54
Mean 246.2
Std Dev 0

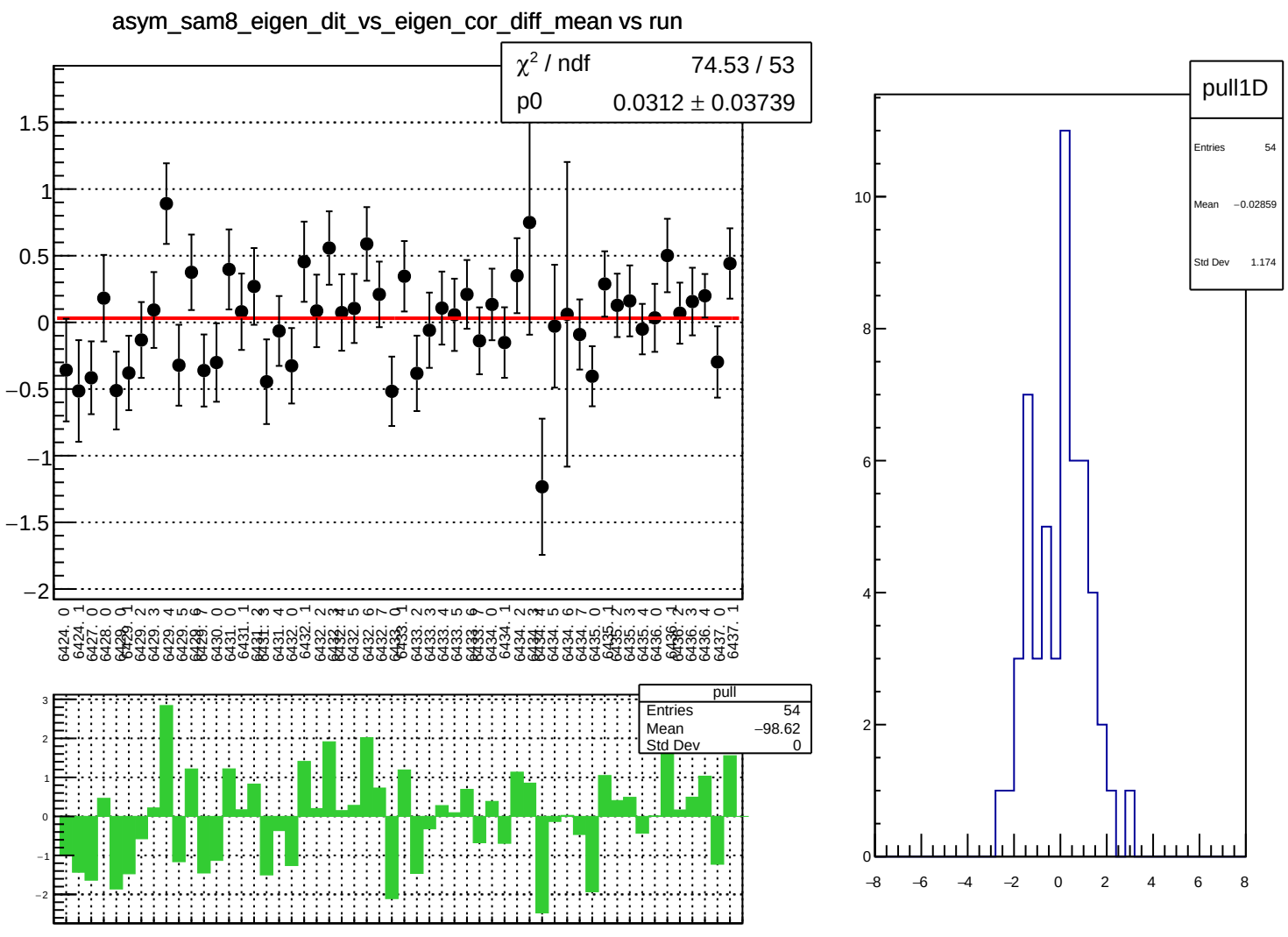

pull1D
Entries 54
Mean −0.00554
Std Dev 1.103

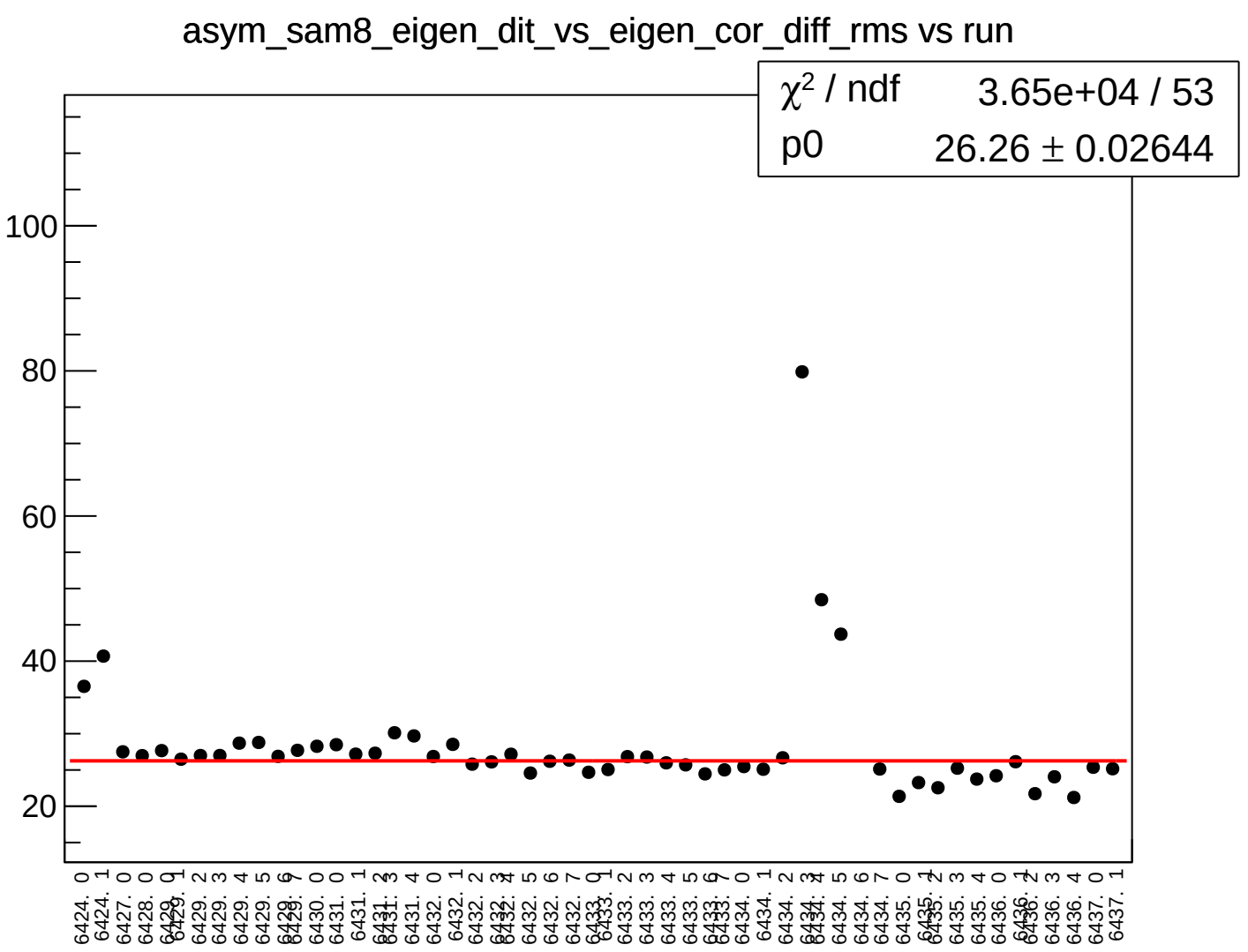

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3015 / 53
p0 0.002159 ± 2.138e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

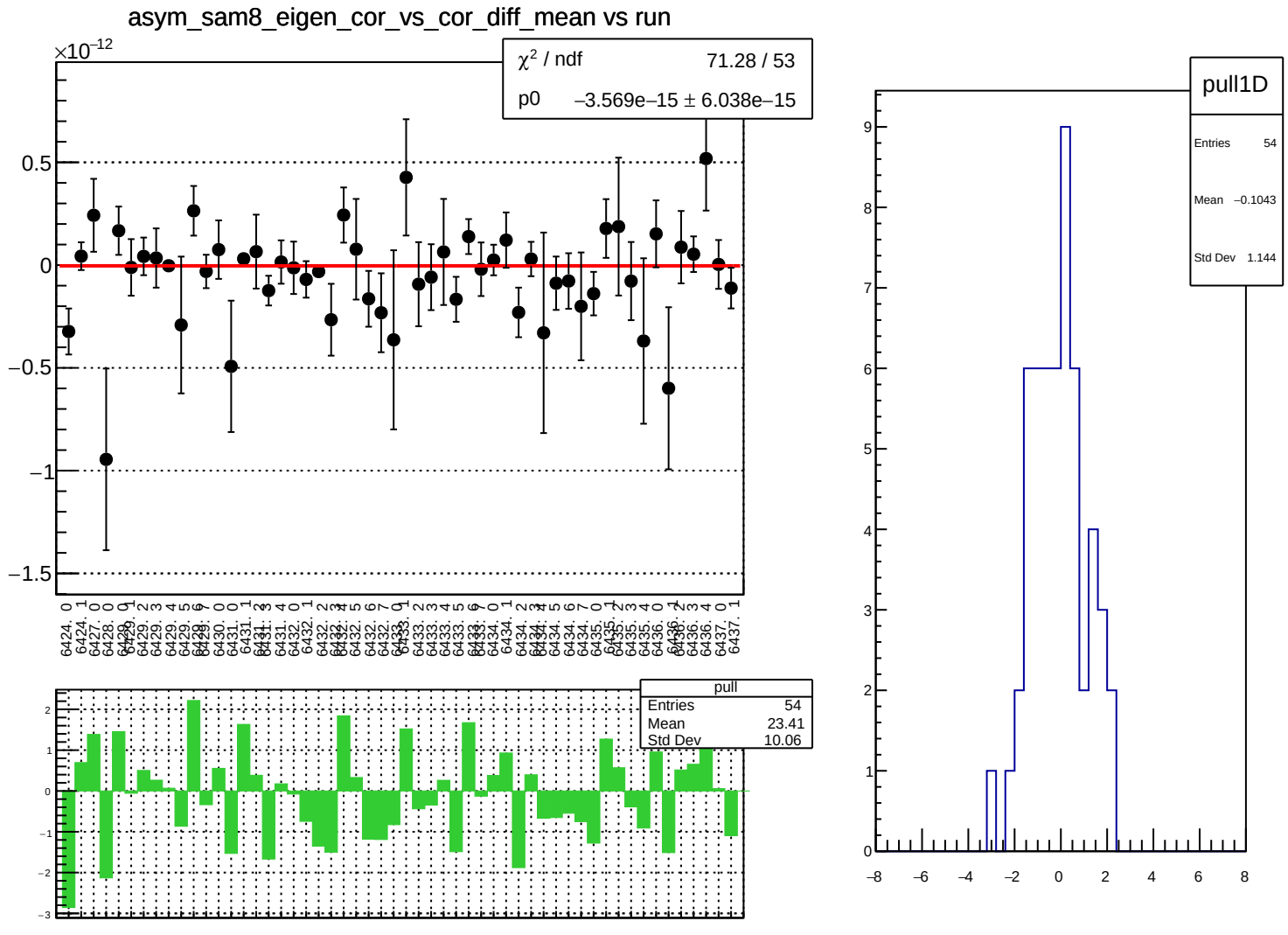

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.53 / 53
p0 0.0312 ± 0.03739
pull
Entries 54
Mean −98.62
Std Dev 0

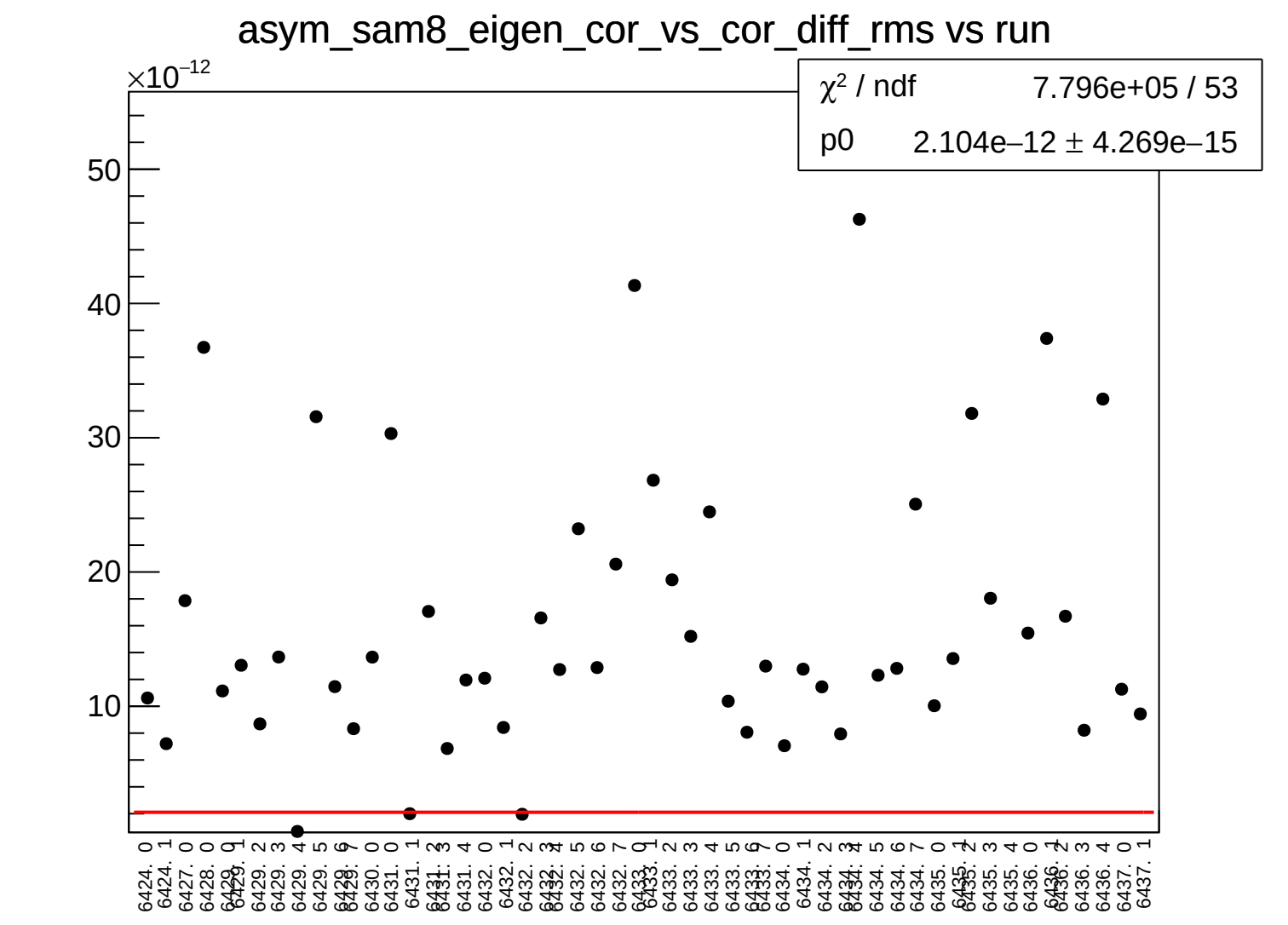

pull1D
Entries 54
Mean −0.02859
Std Dev 1.174

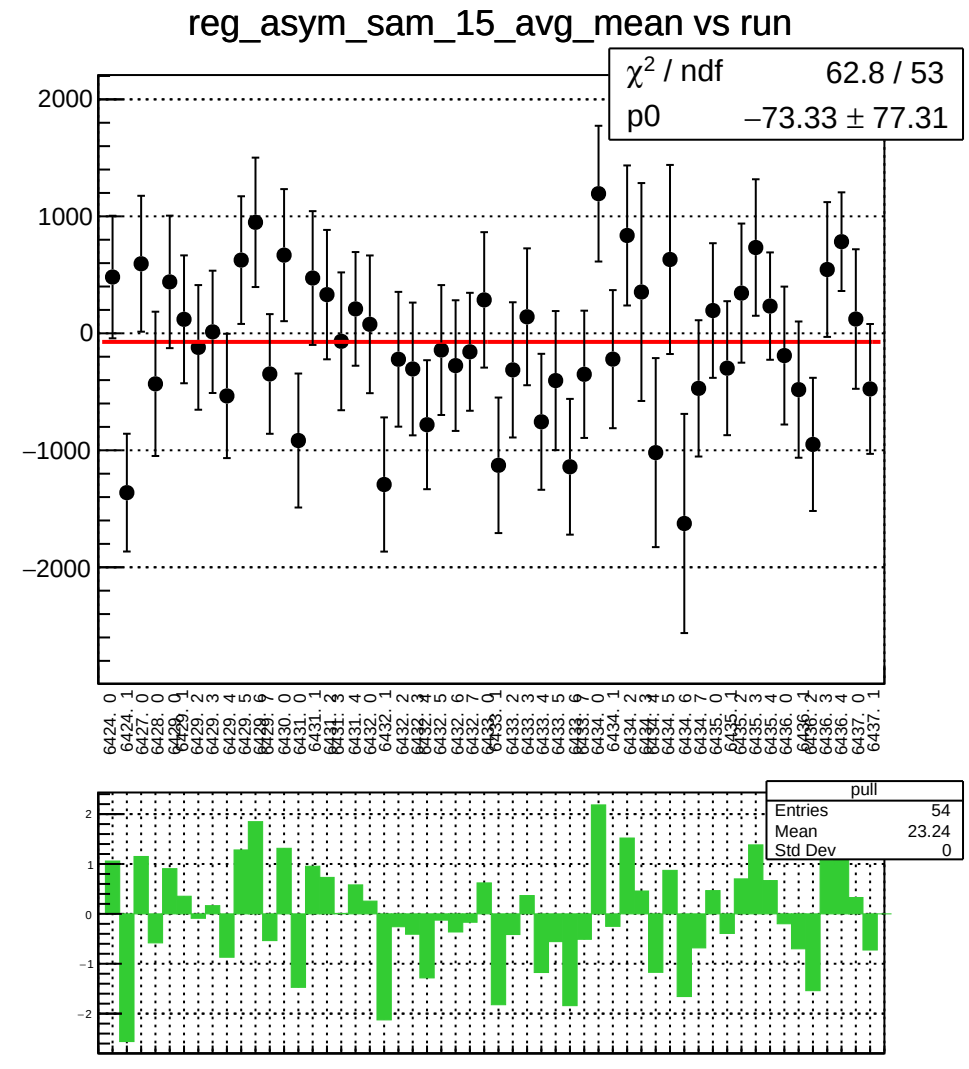

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 26.26 ± 0.02644
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

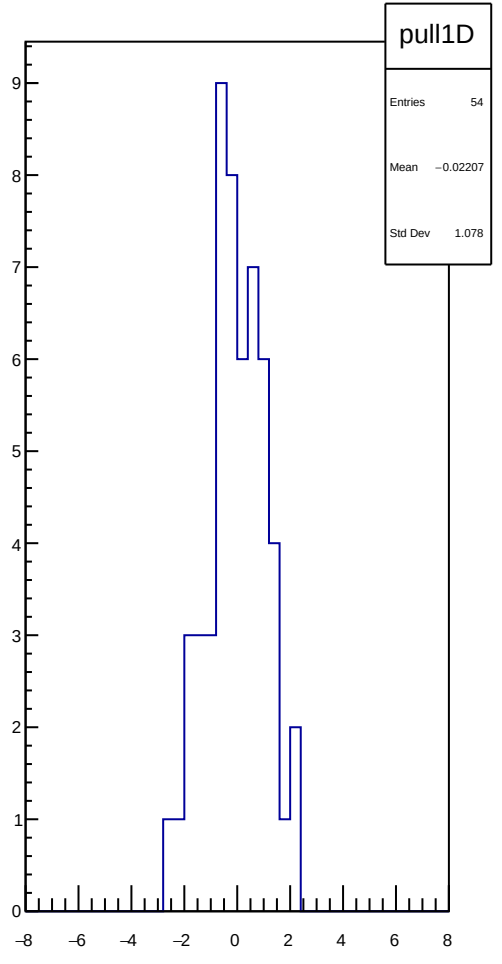

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.53 / 53
p0 0.0312 ± 0.03739
pull
Entries 54
Mean −98.62
Std Dev 0
pull1D
Entries 54
Mean −0.02859
Std Dev 1.174

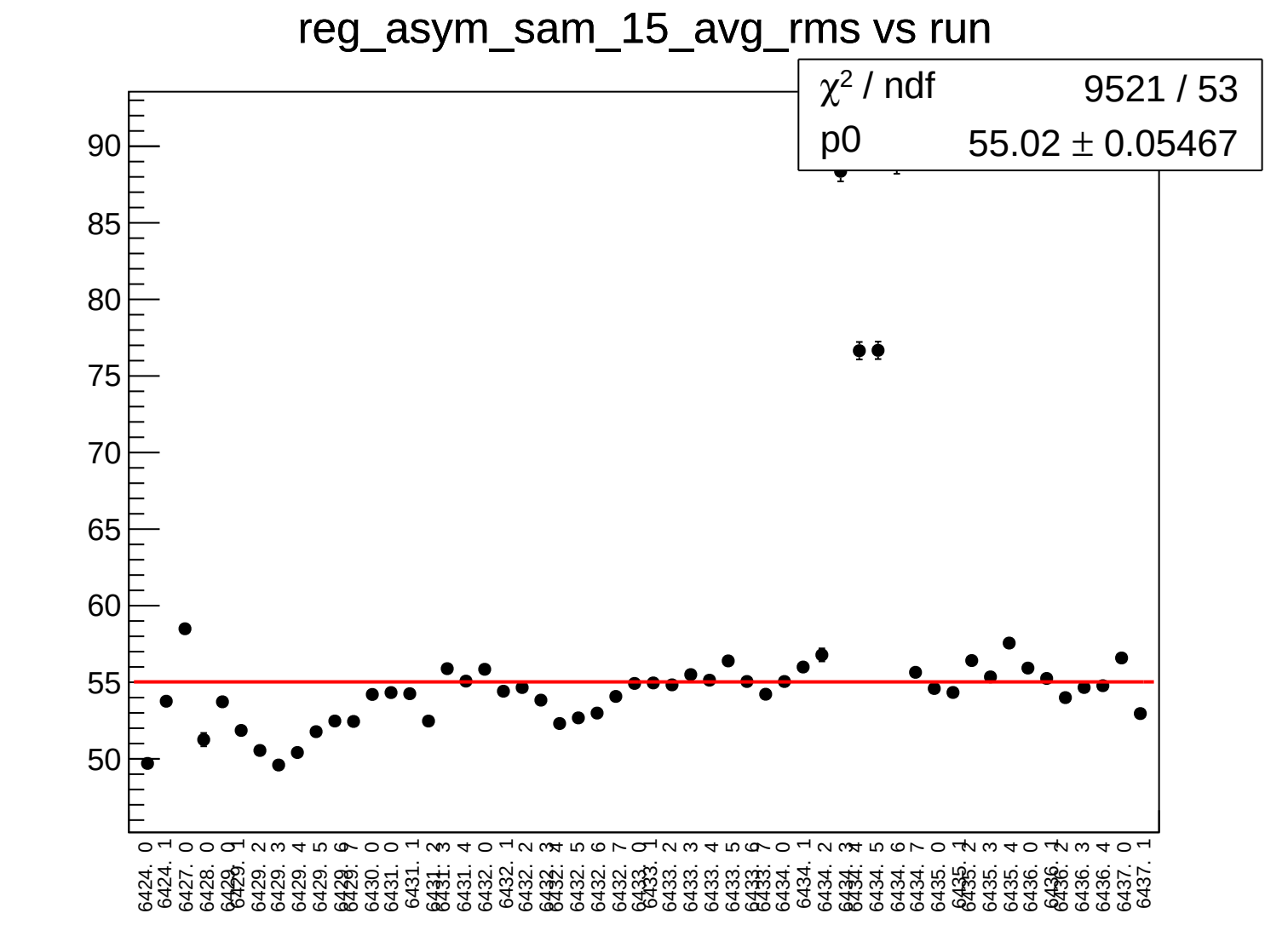

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 26.26 ± 0.02644
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

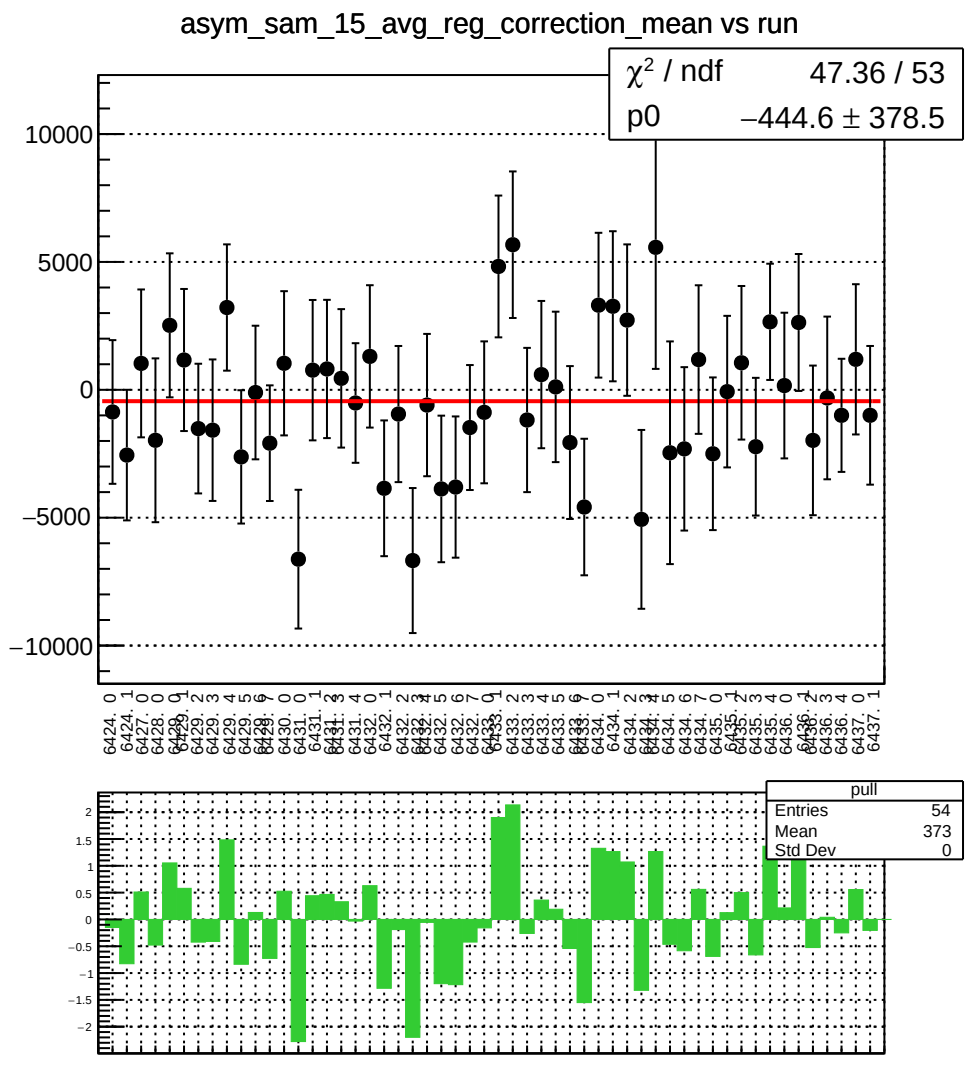

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.28 / 53
p0 −3.569e−15 ± 6.038e−15
pull
Entries 54
Mean 23.41
Std Dev 10.06
pull1D
Entries 54
Mean −0.1043
Std Dev 1.144

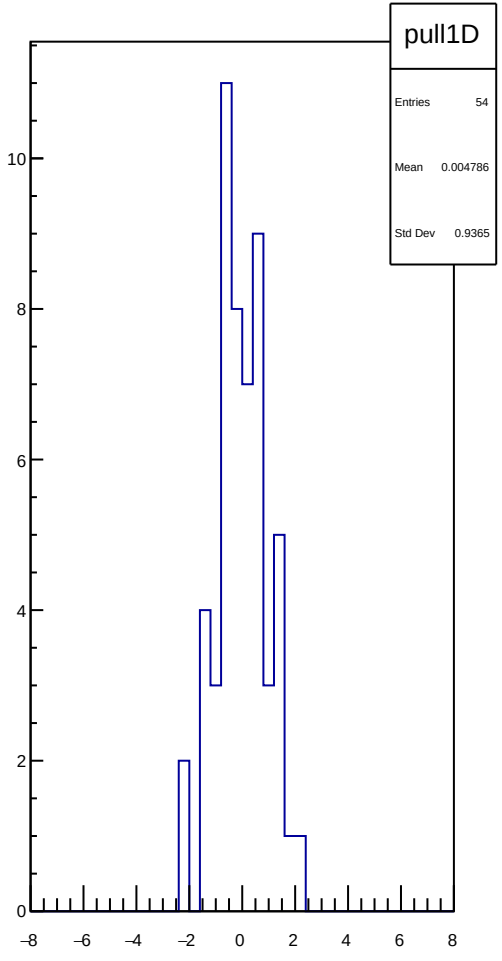

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.796e+05 / 53
p0 2.104e−12 ± 4.269e−15
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 2
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

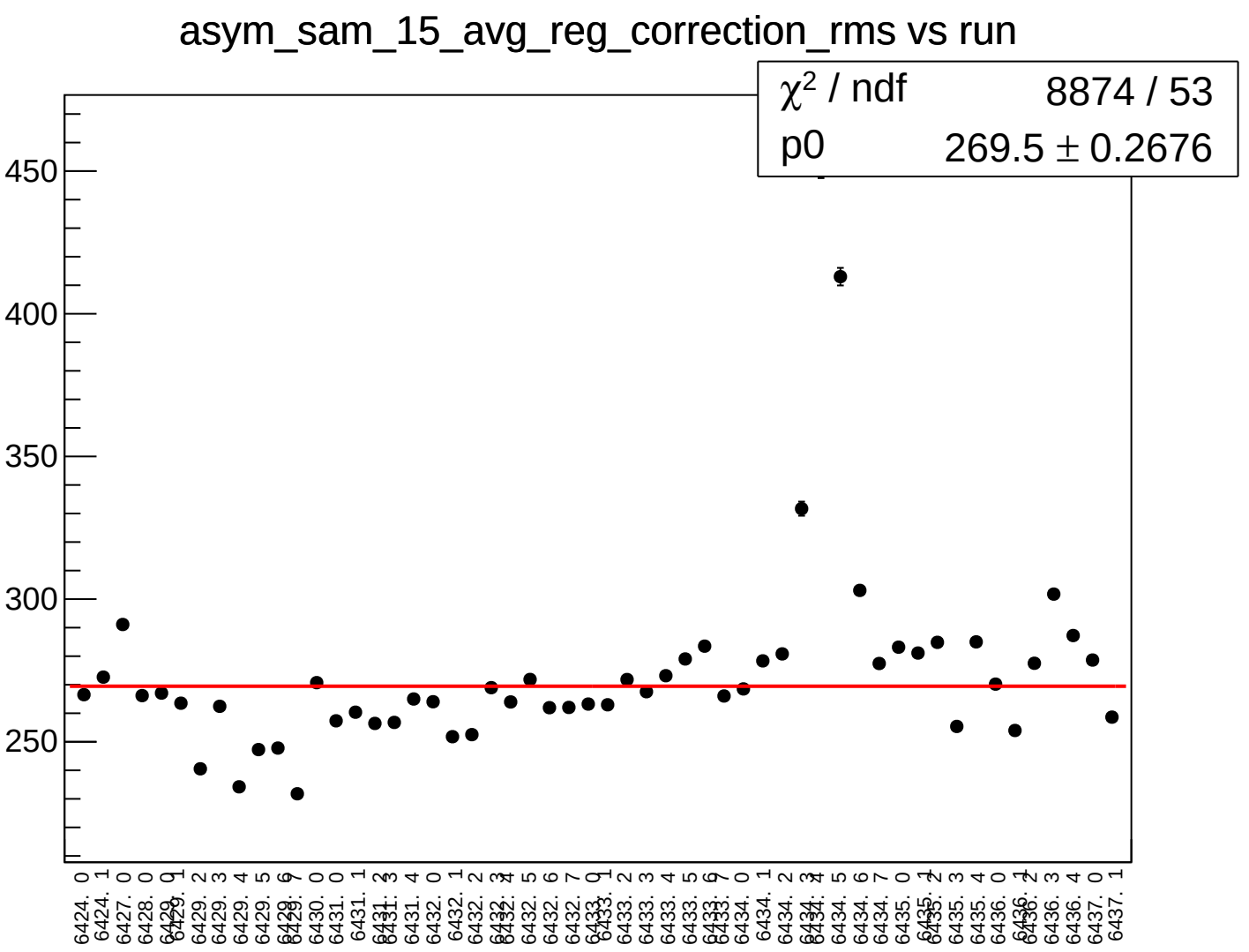

reg_asym_sam_15_avg_mean vs run
χ² / ndf 62.8 / 53
p0 −73.33 ± 77.31
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 23.24
Std Dev 0
2
1
0
−1

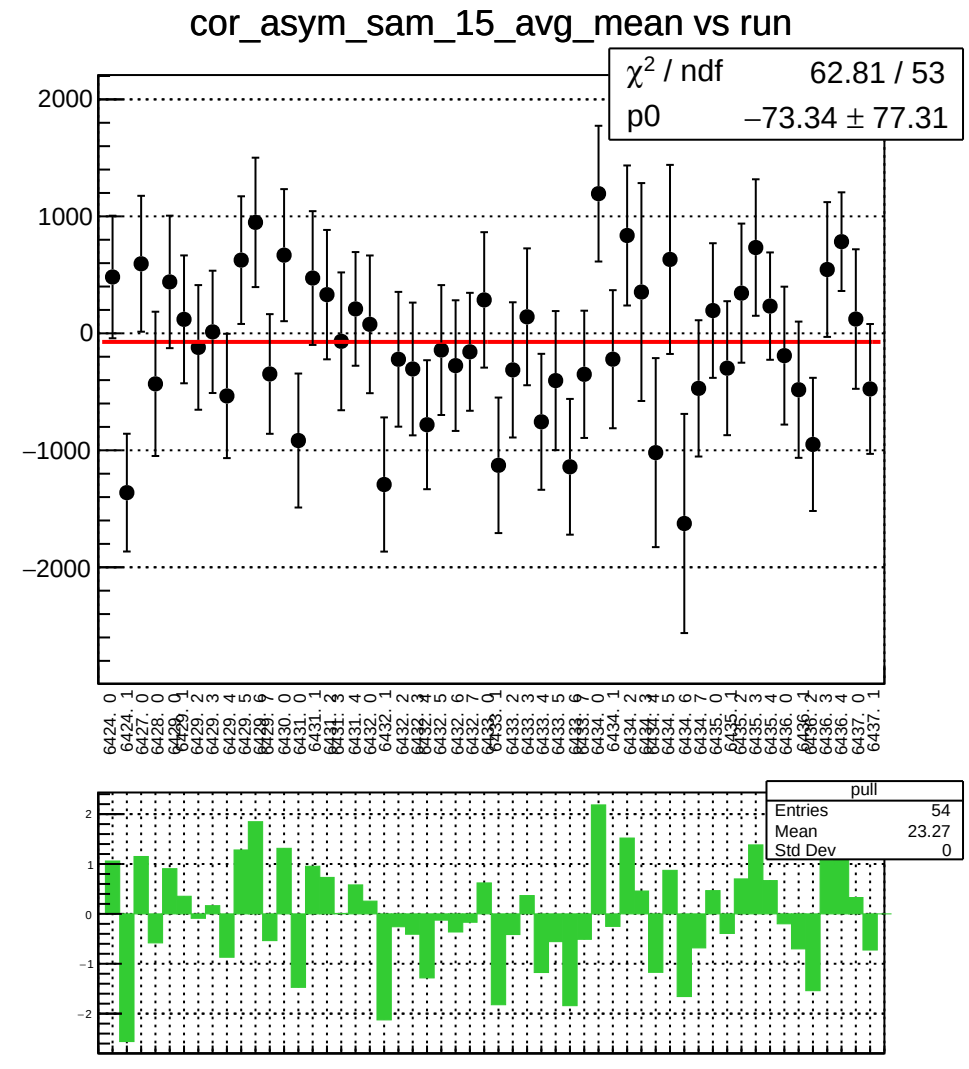

pull1D
Entries 54
Mean −0.02207
Std Dev 1.078
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

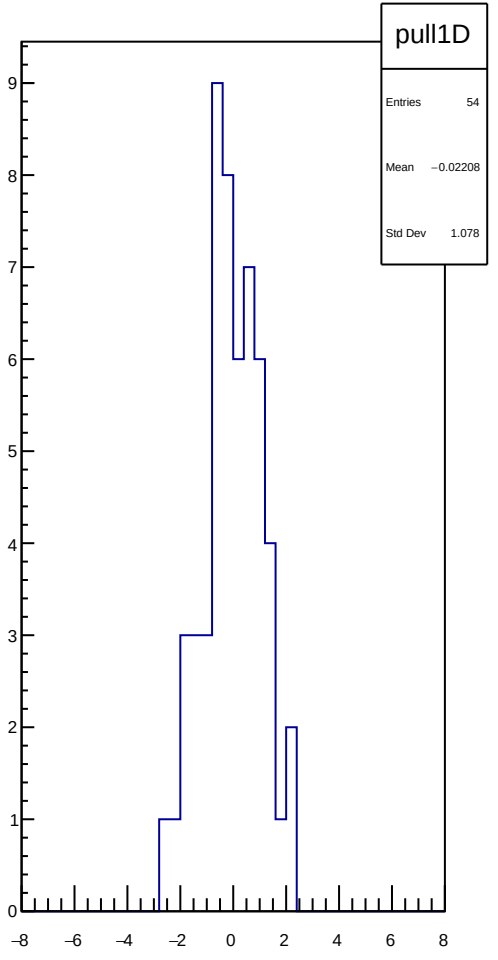

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 9521 / 53
p0 55.02 ± 0.05467
90
85
80
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

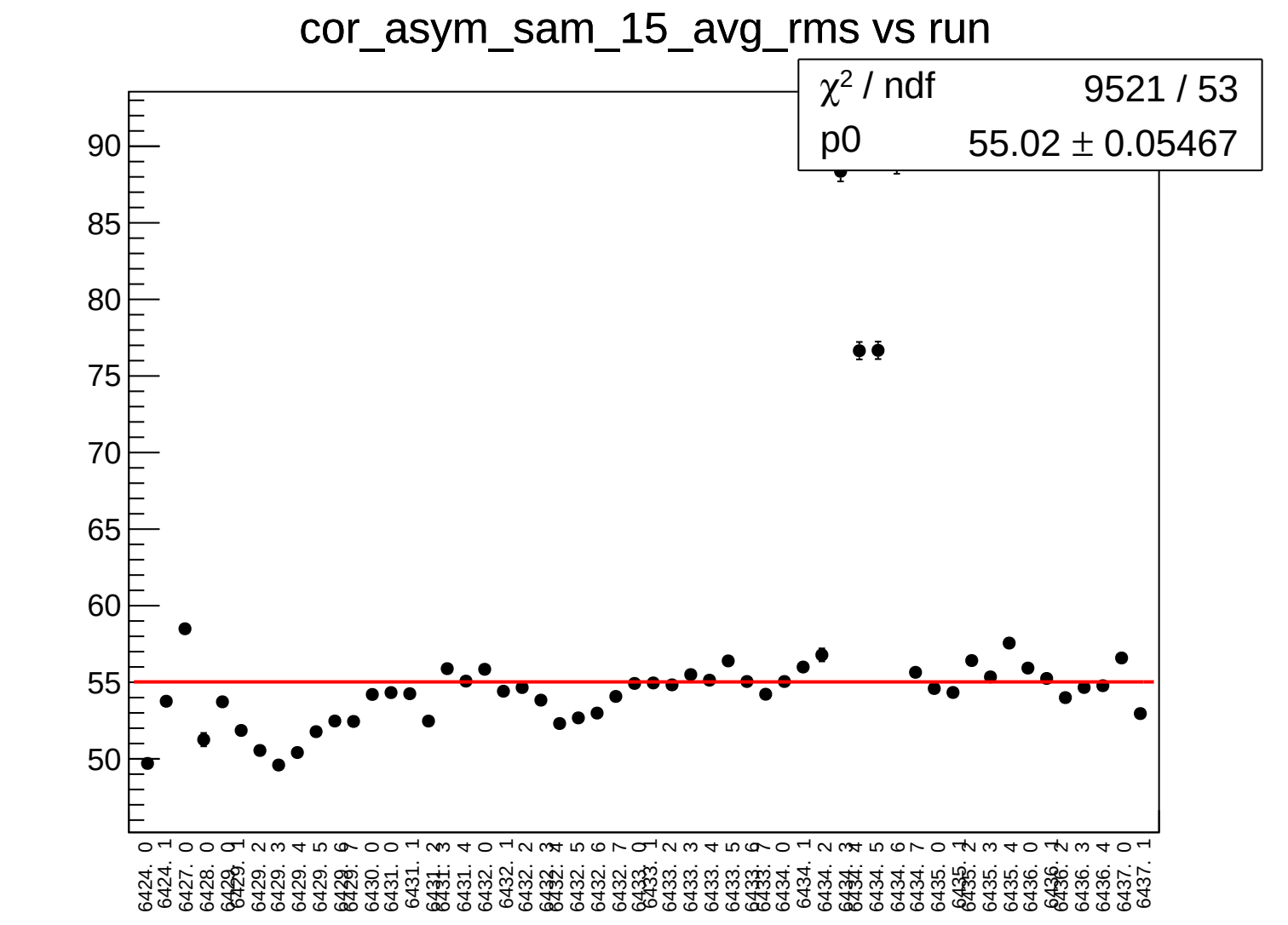

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 47.36 / 53
p0 −444.6 ± 378.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 373
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

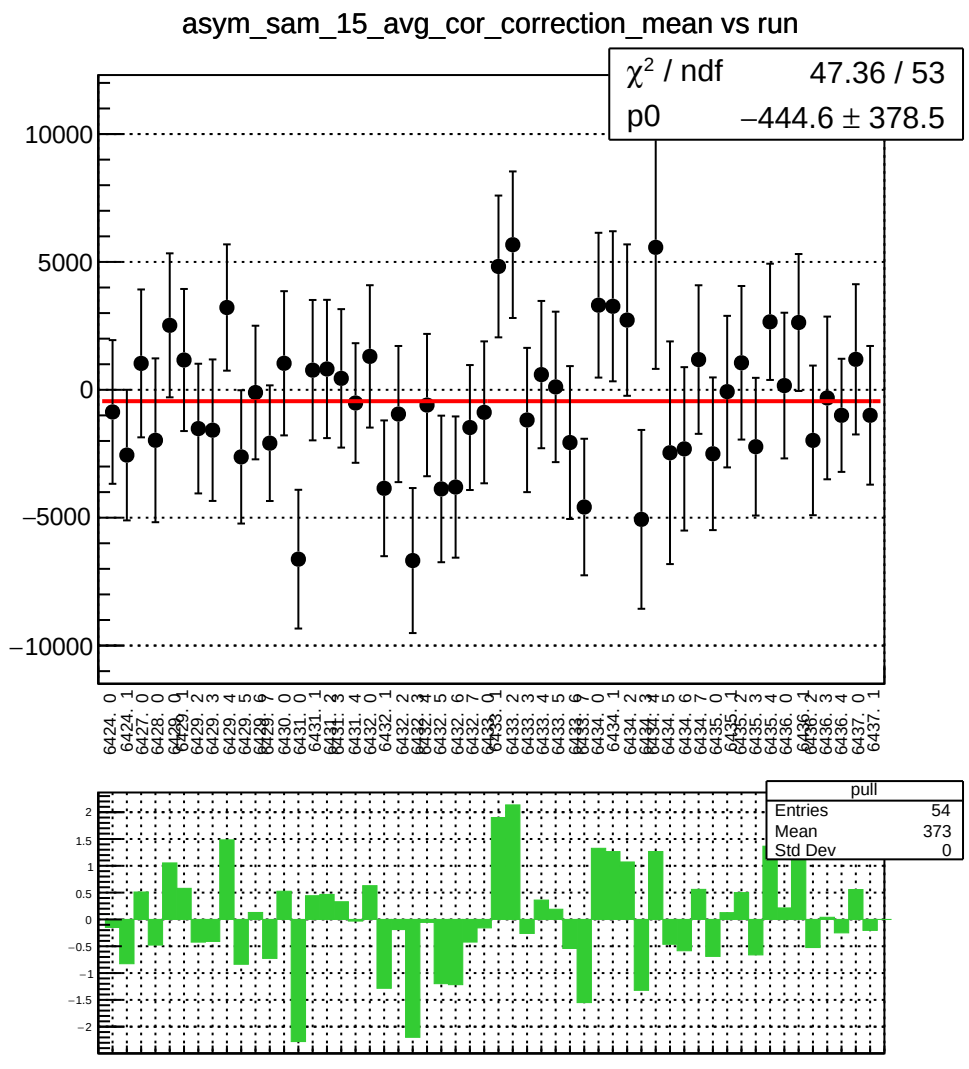

pull1D
Entries 54
Mean 0.004786
Std Dev 0.9365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

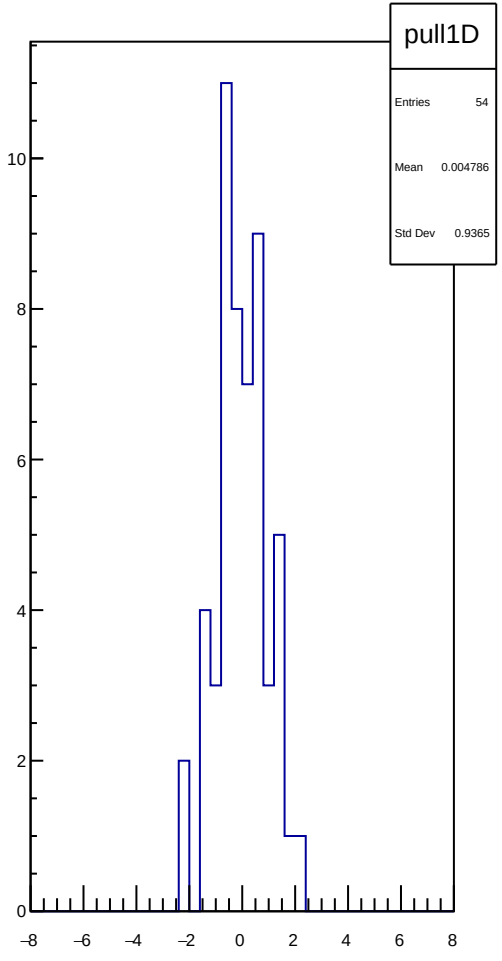

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 8874 / 53
p0 269.5 ± 0.2676
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

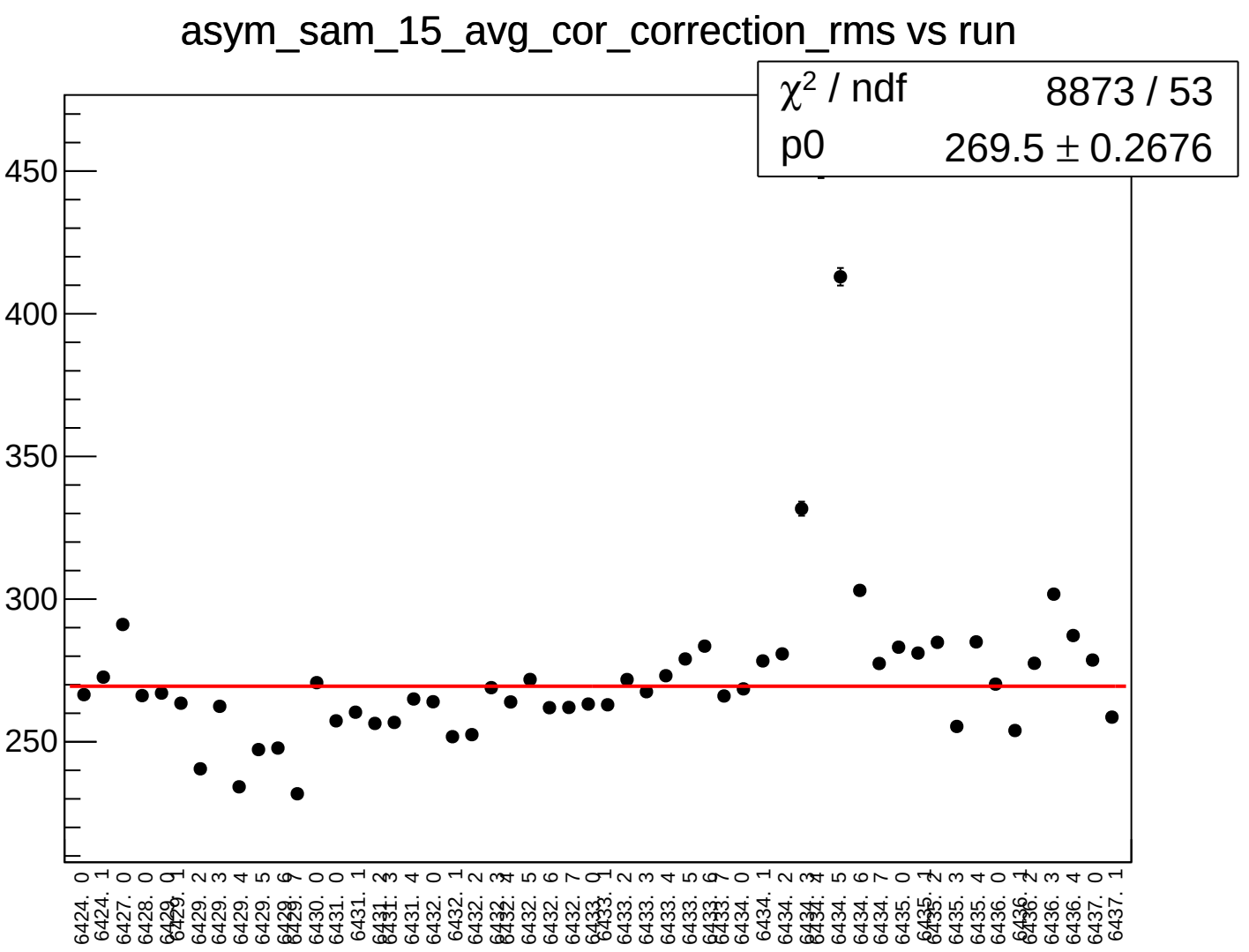

cor_asym_sam_15_avg_mean vs run
χ² / ndf 62.81 / 53
p0 −73.34 ± 77.31
pull
Entries 54
Mean 23.27
Std Dev 0

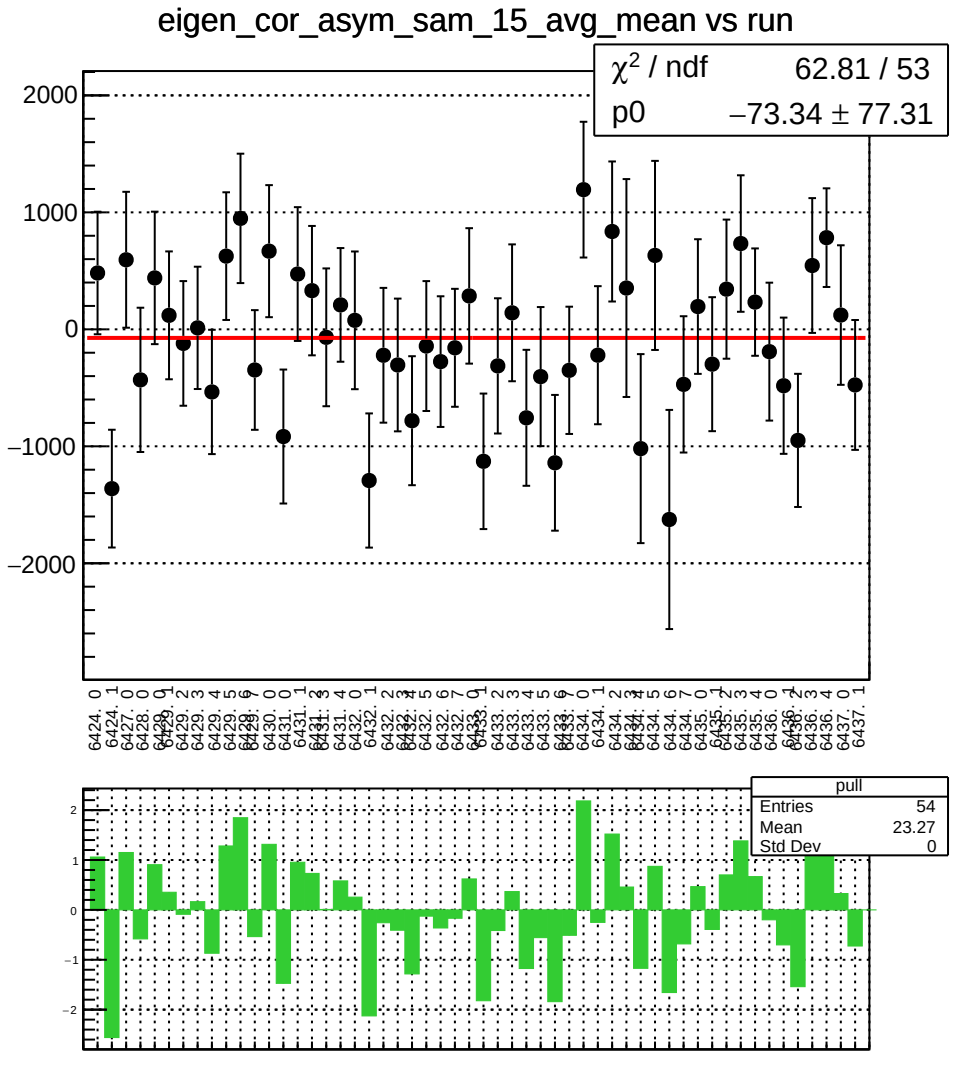

pull1D
Entries 54
Mean −0.02208
Std Dev 1.078

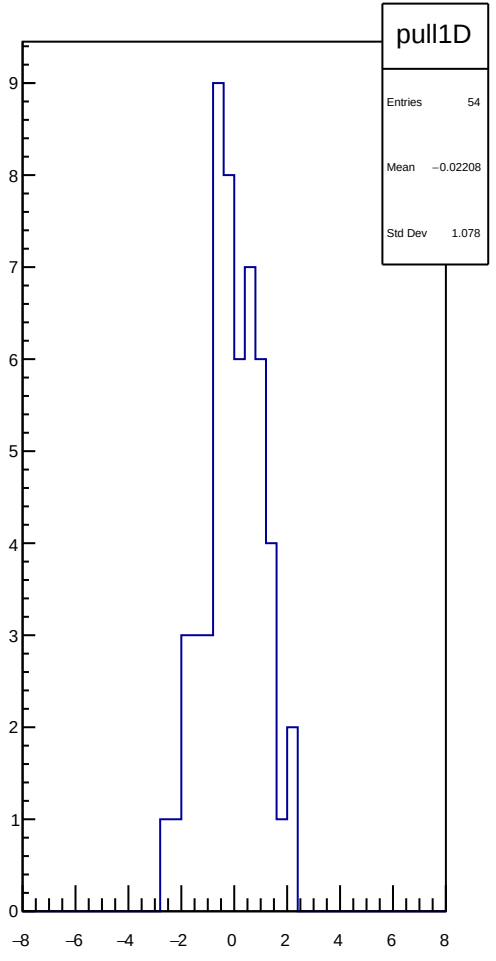

cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 9521 / 53
p0 55.02 ± 0.05467
90
85
80
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

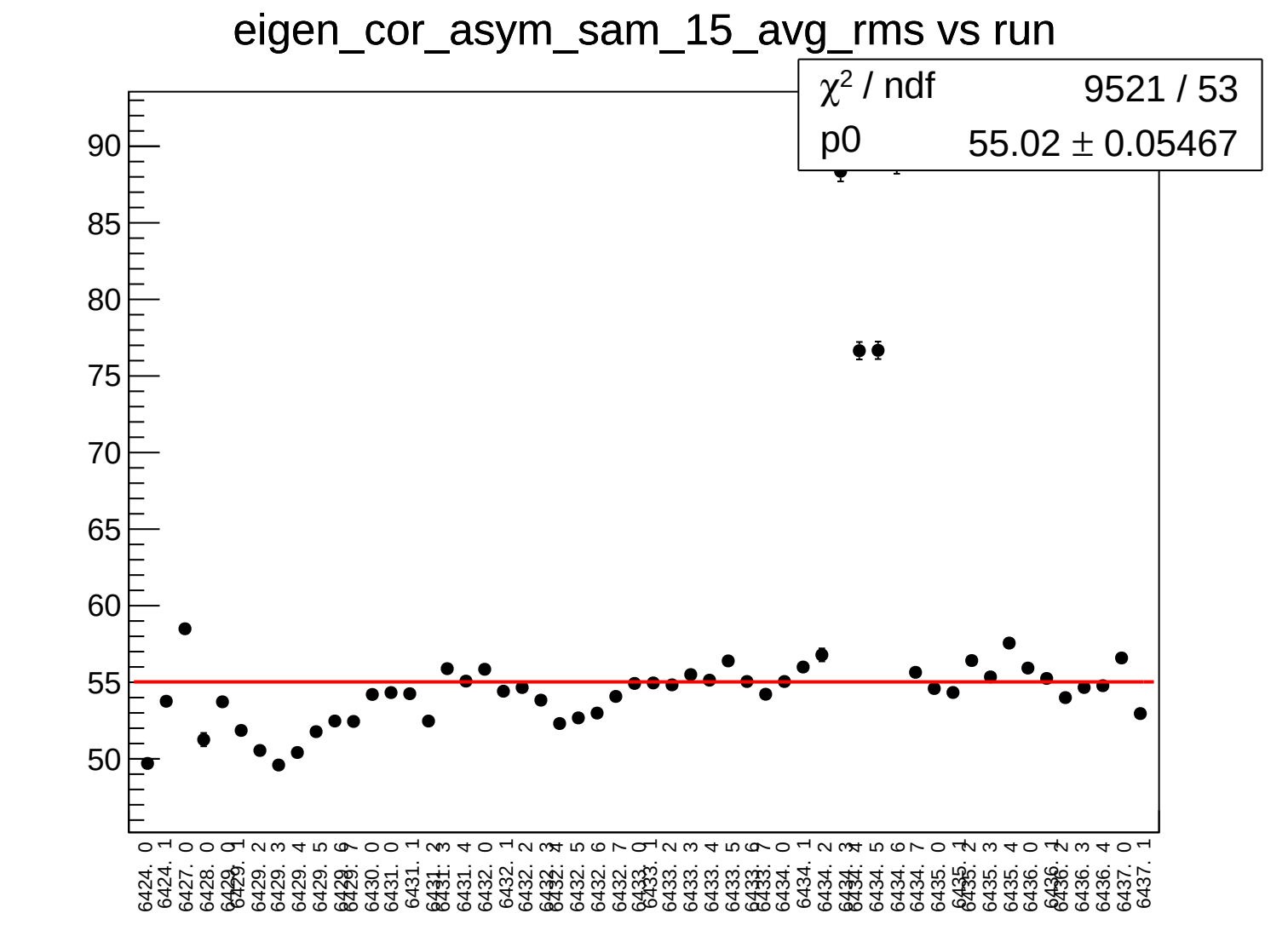

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 47.36 / 53
p0 −444.6 ± 378.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 373
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

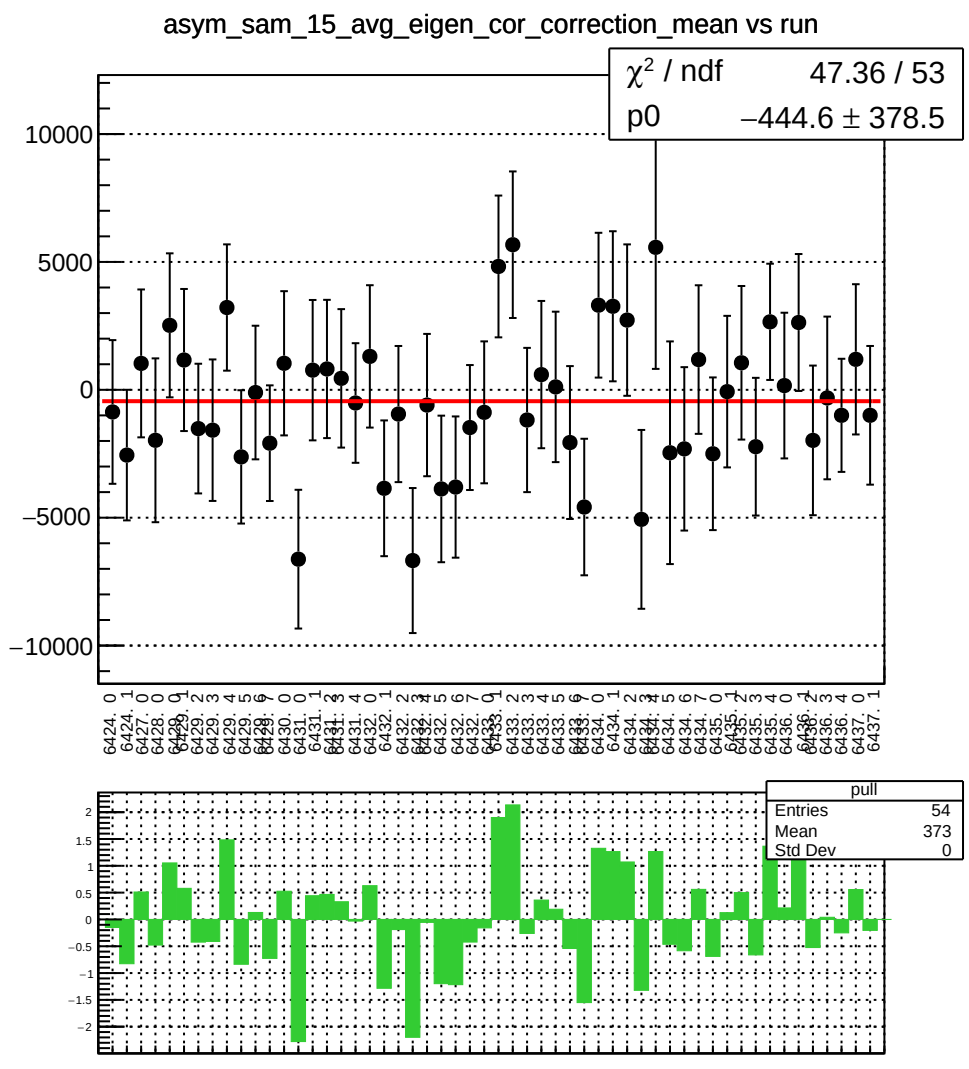

pull1D
Entries 54
Mean 0.004786
Std Dev 0.9365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

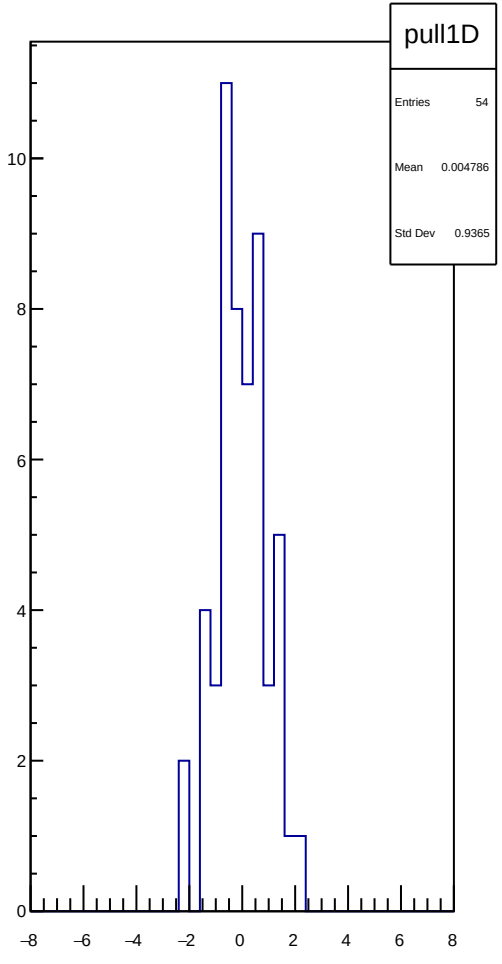

asym_sam_15_avg_cor_correction_rms vs run
χ^2 / ndf 8873 / 53
p0 269.5 ± 0.2676
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

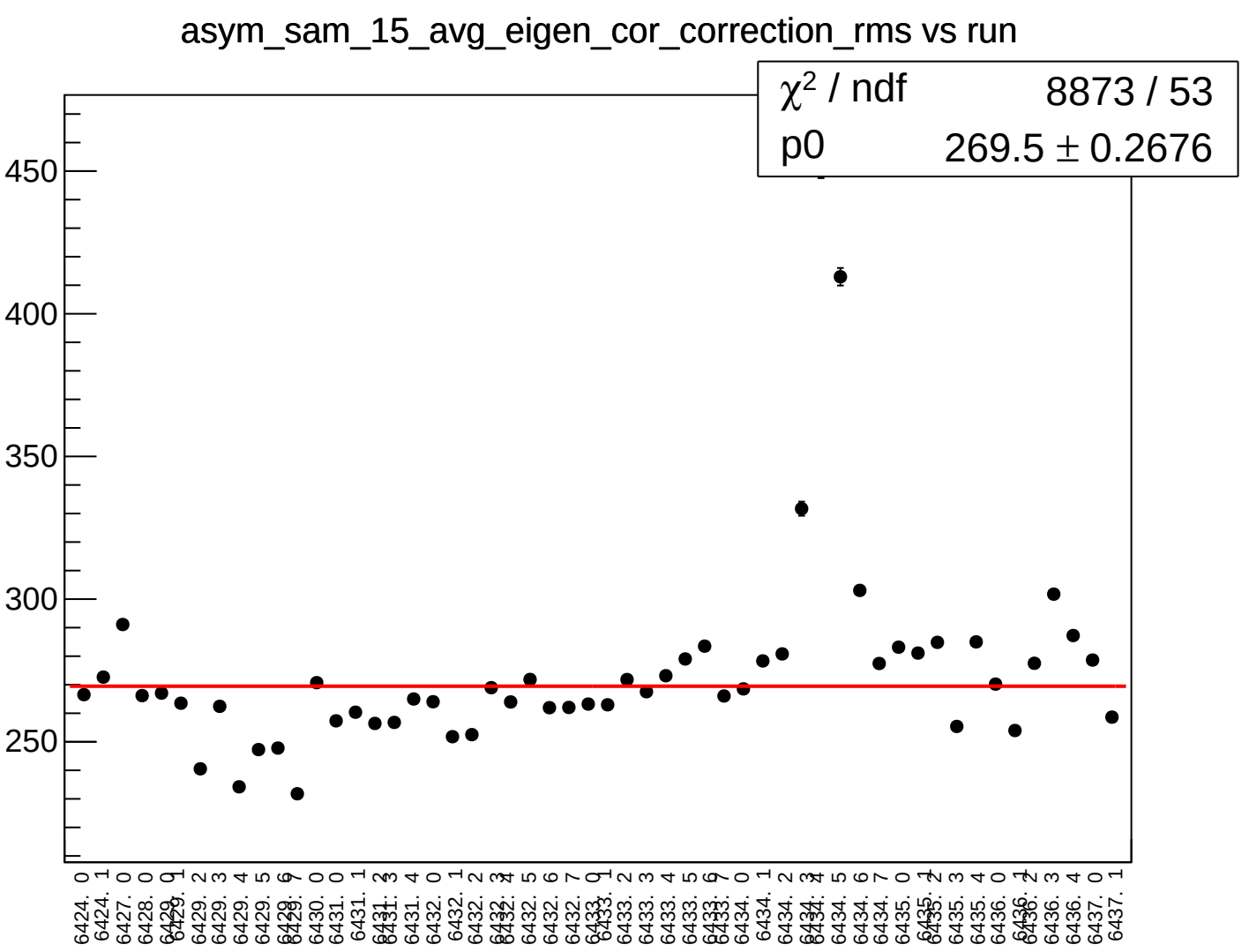

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 62.81 / 53
p0 −73.34 ± 77.31
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 23.27
Std Dev 0
2
1
0
−1
−2

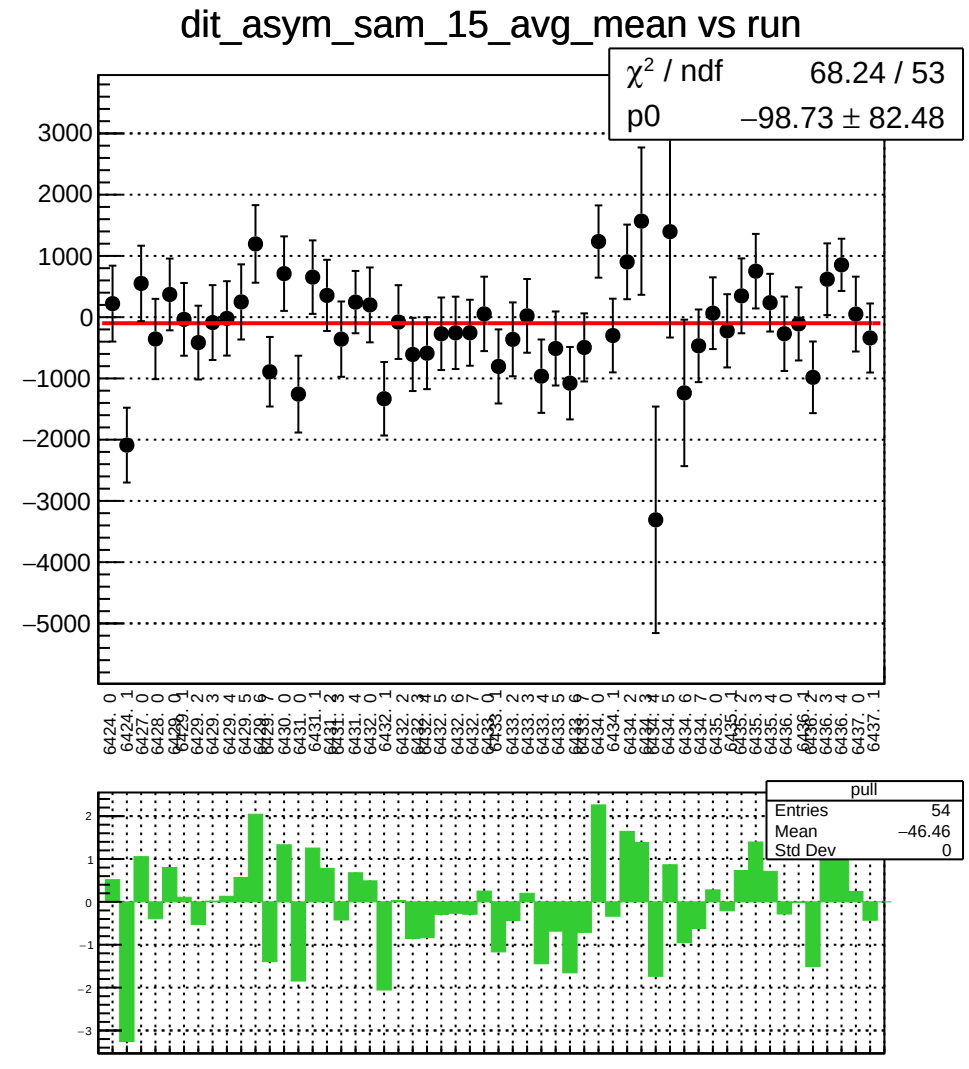

pull1D
Entries 54
Mean −0.02208
Std Dev 1.078
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

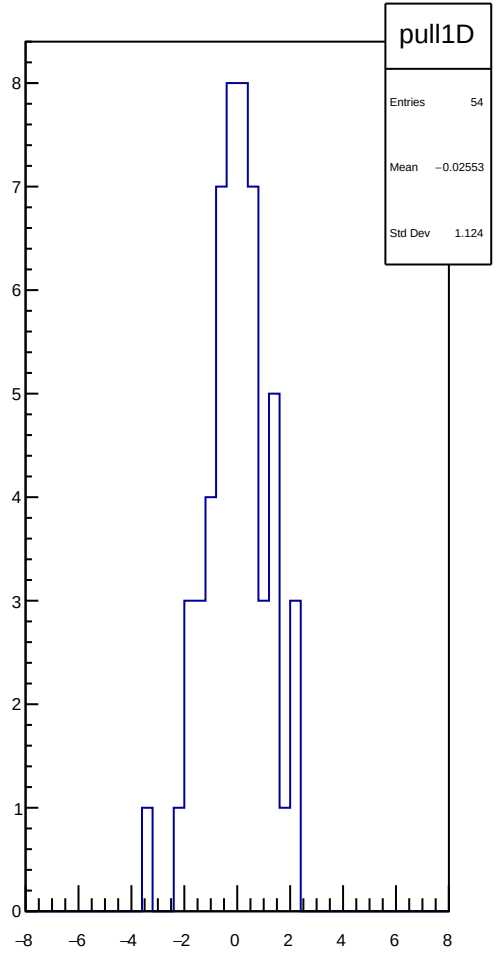

eigen_cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 9521 / 53
p0 55.02 ± 0.05467
90
85
80
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

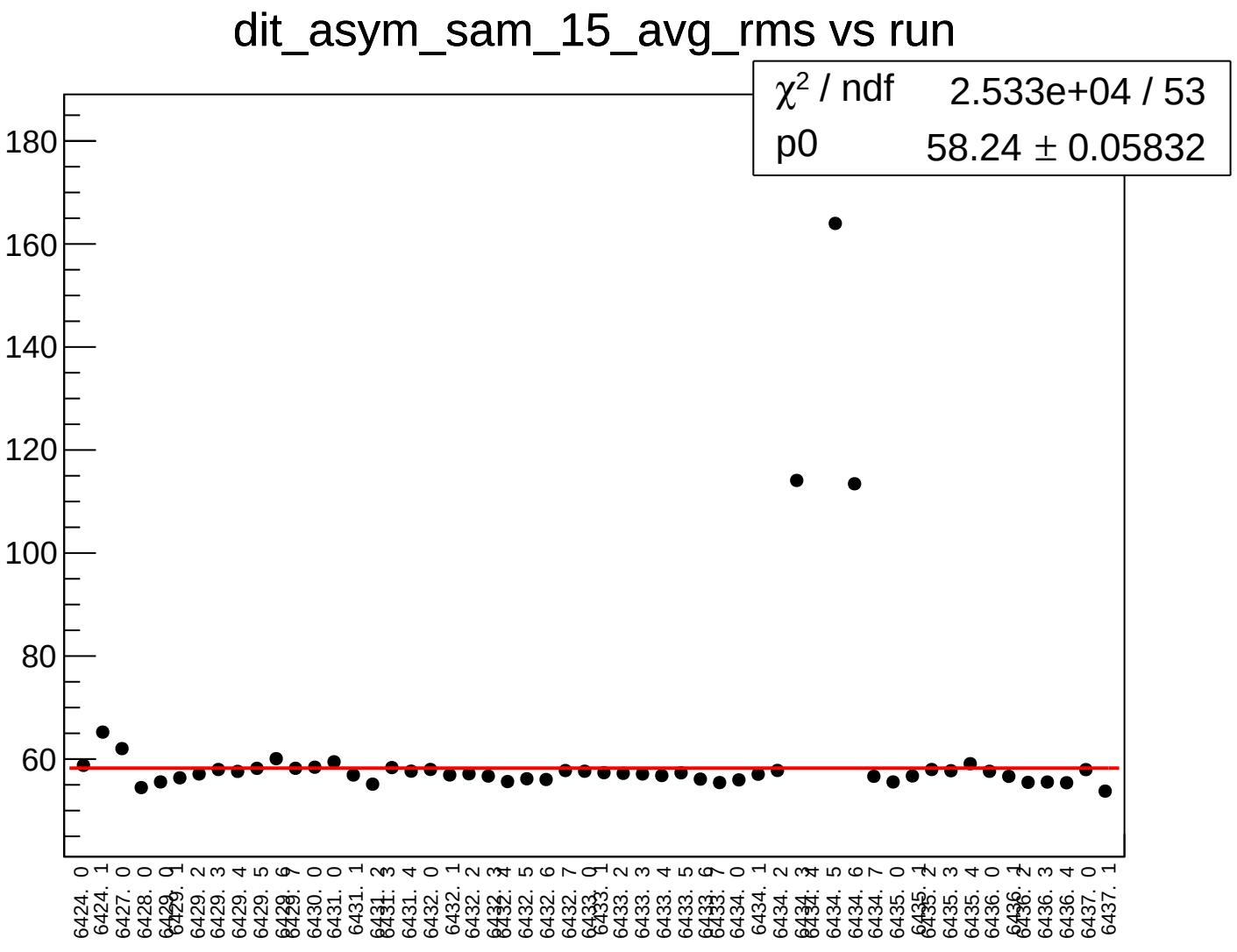

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.36 / 53
p0 −444.6 ± 378.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 373
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

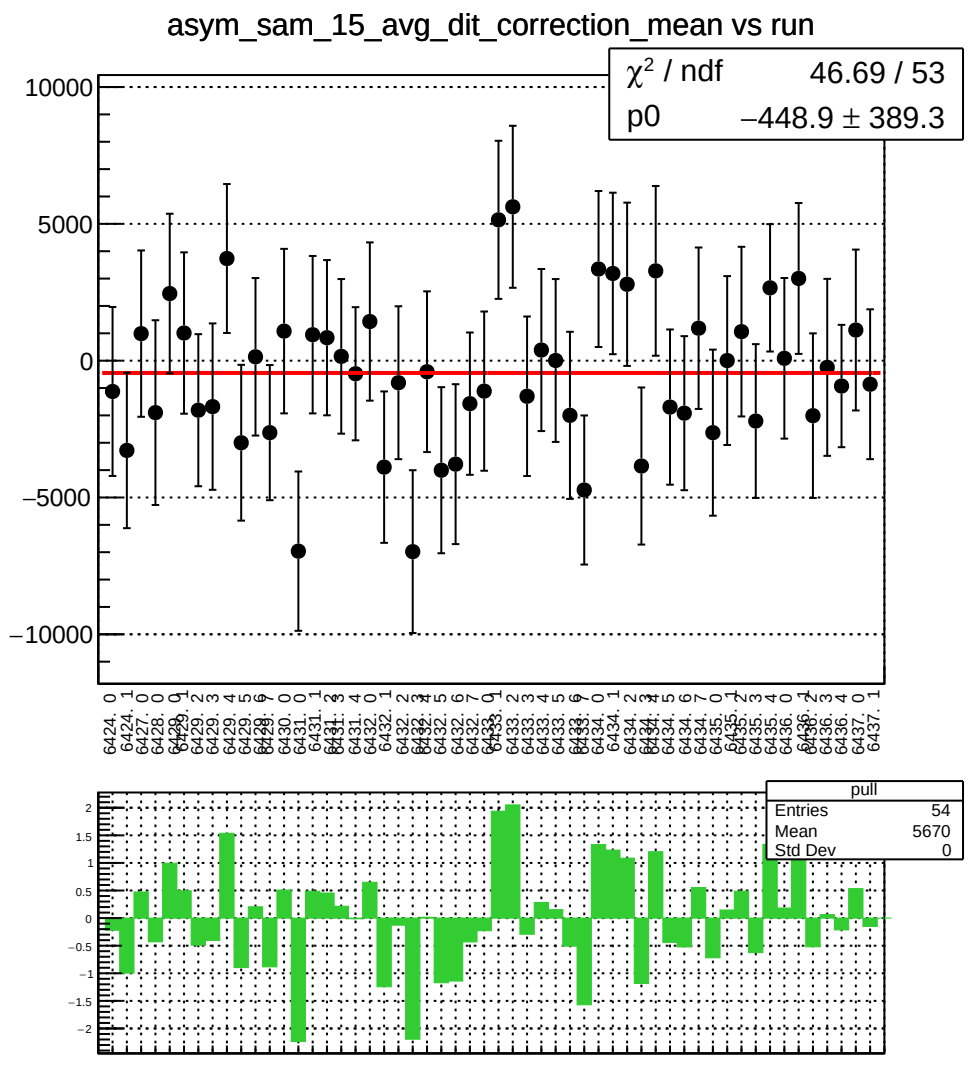

pull1D
Entries 54
Mean 0.004786
Std Dev 0.9365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

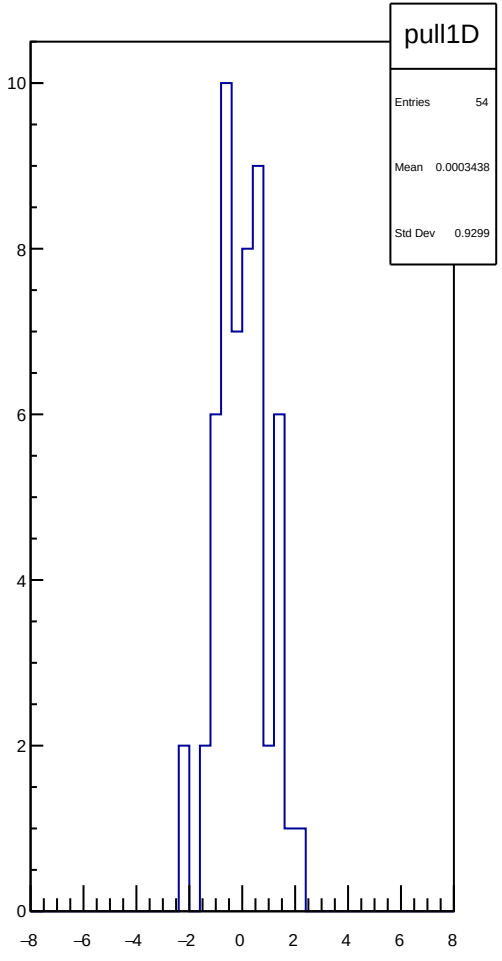

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 8873 / 53
p0 269.5 ± 0.2676
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

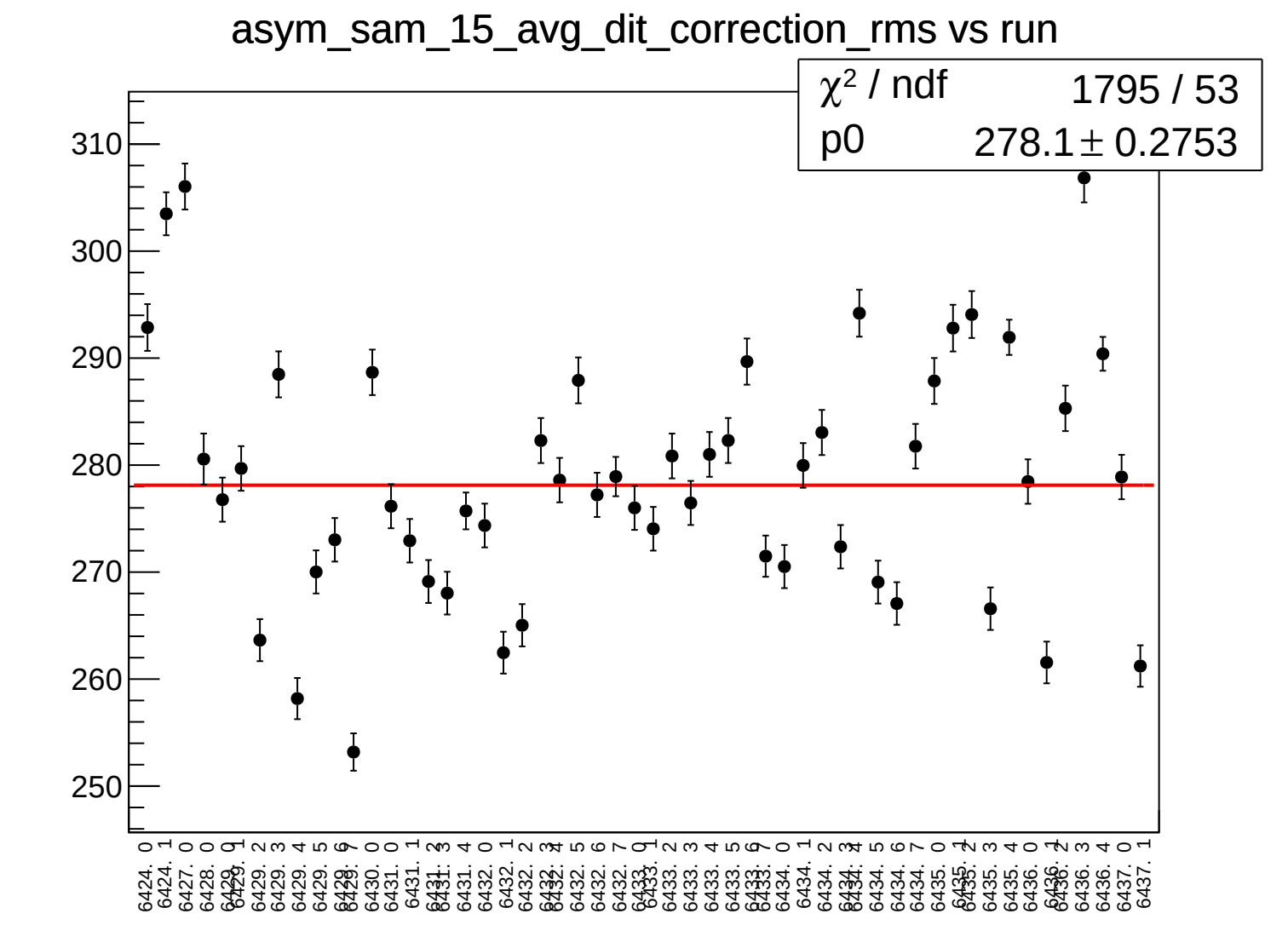

dit_asym_sam_15_avg_mean vs run
χ² / ndf 68.24 / 53
p0 −98.73 ± 82.48
pull
Entries 54
Mean −46.46
Std Dev 0

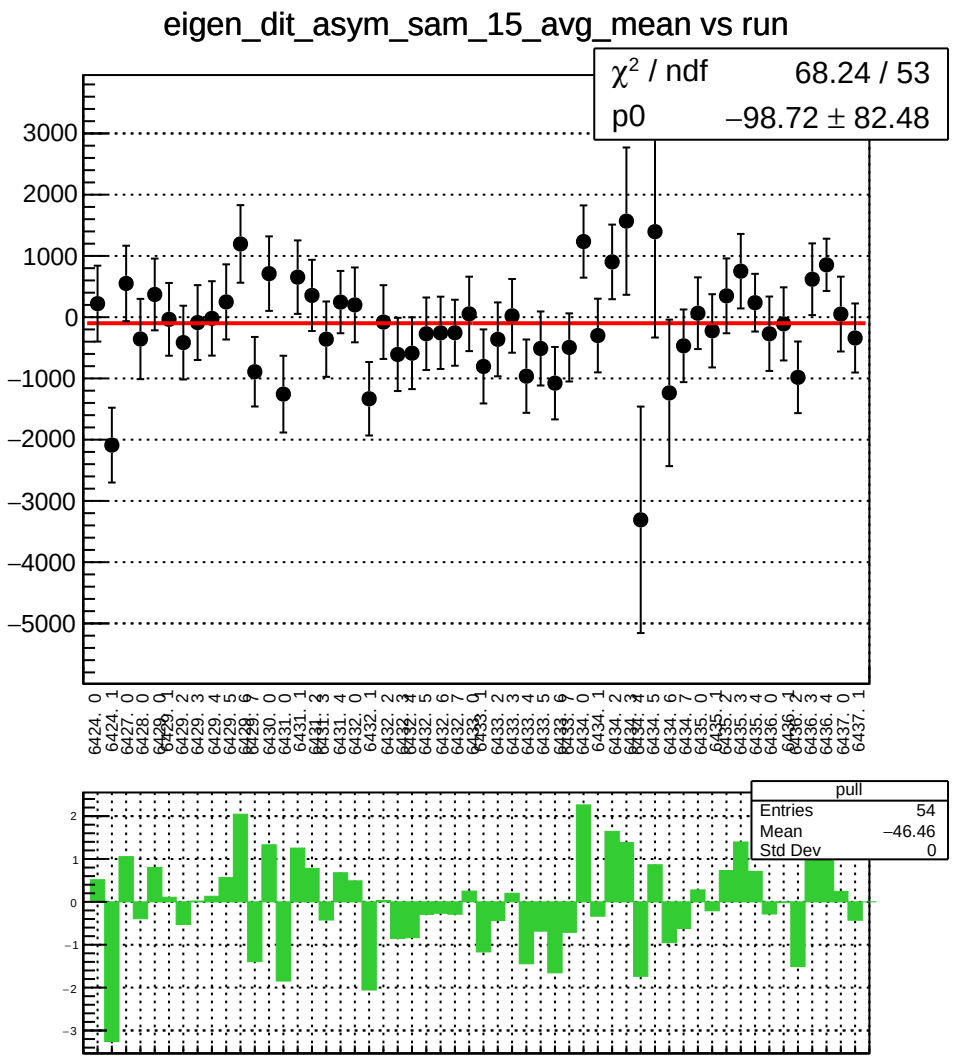

pull1D
Entries 54
Mean −0.02553
Std Dev 1.124

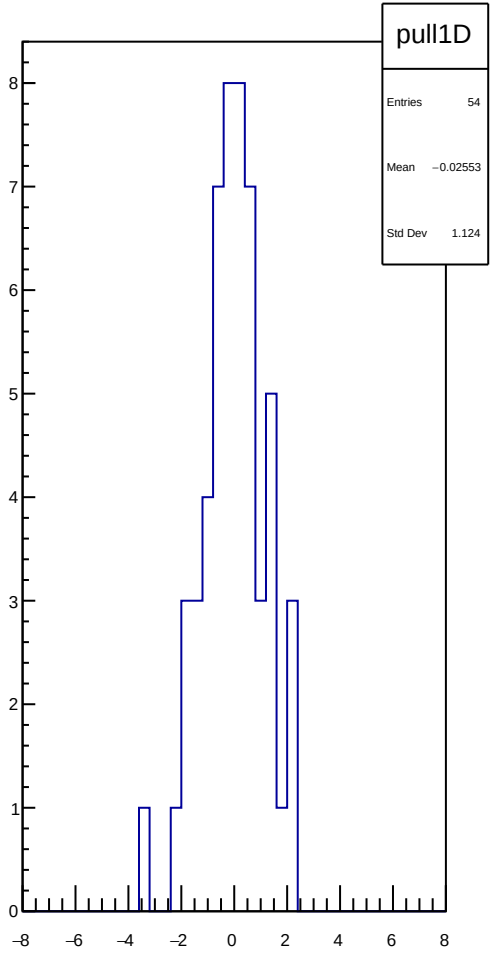

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.533e+04 / 53
p0 58.24 ± 0.05832
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

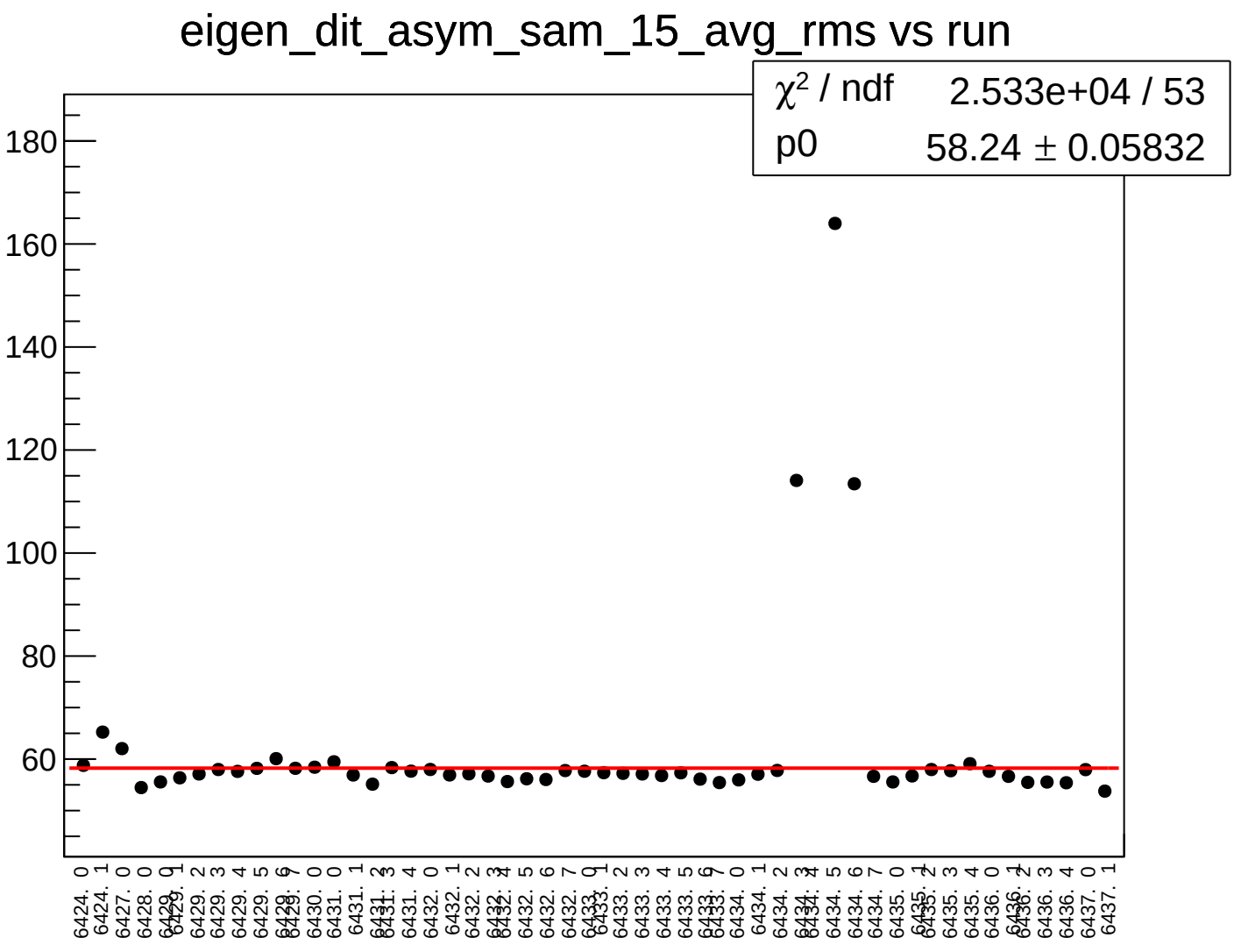

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 46.69 / 53
p0 −448.9 ± 389.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 5670
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.0003438
Std Dev 0.9299
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 1795 / 53
p0 278.1 ± 0.2753
310
300
290
280
270
260
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 68.24 / 53
p0 −98.72 ± 82.48
pull
Entries 54
Mean −46.46
Std Dev 0


pull1D
Entries 54
Mean −0.02553
Std Dev 1.124


eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.533e+04 / 53
p0 58.24 ± 0.05832
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
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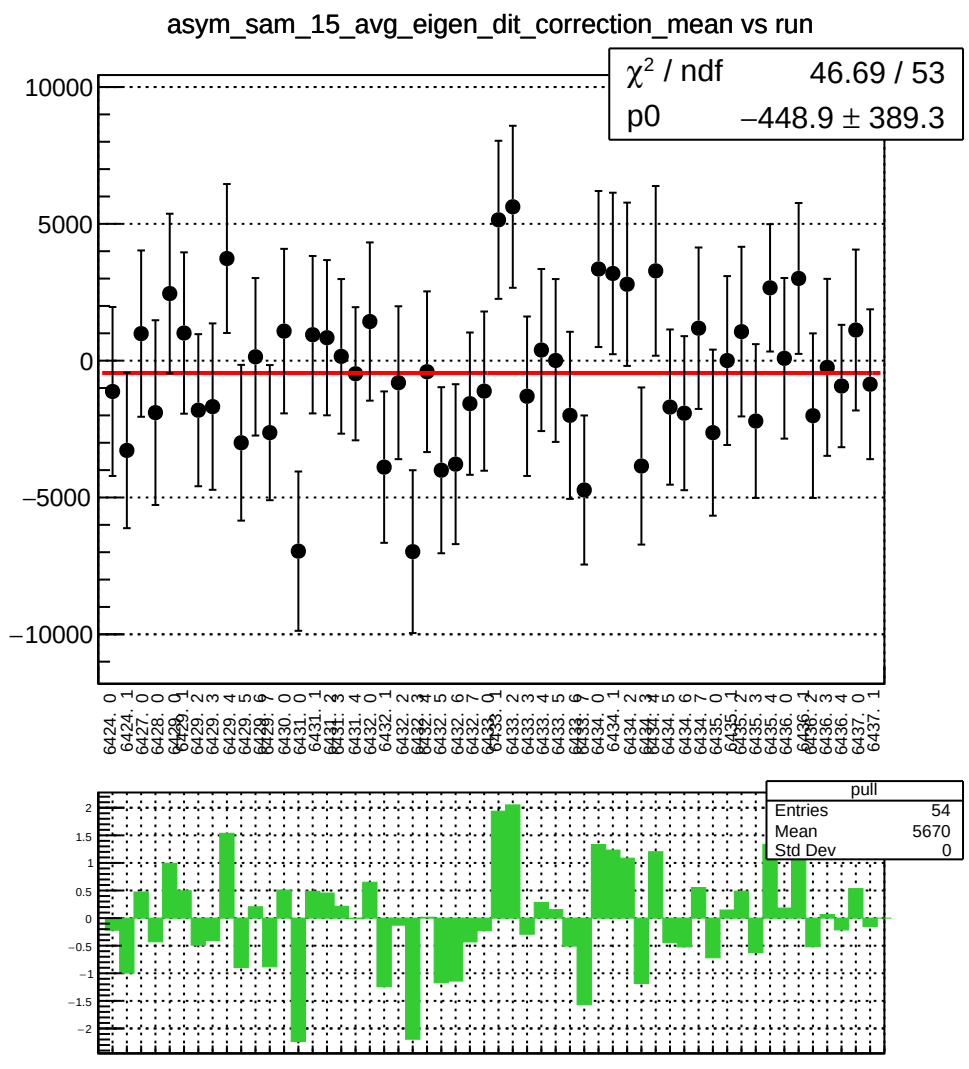
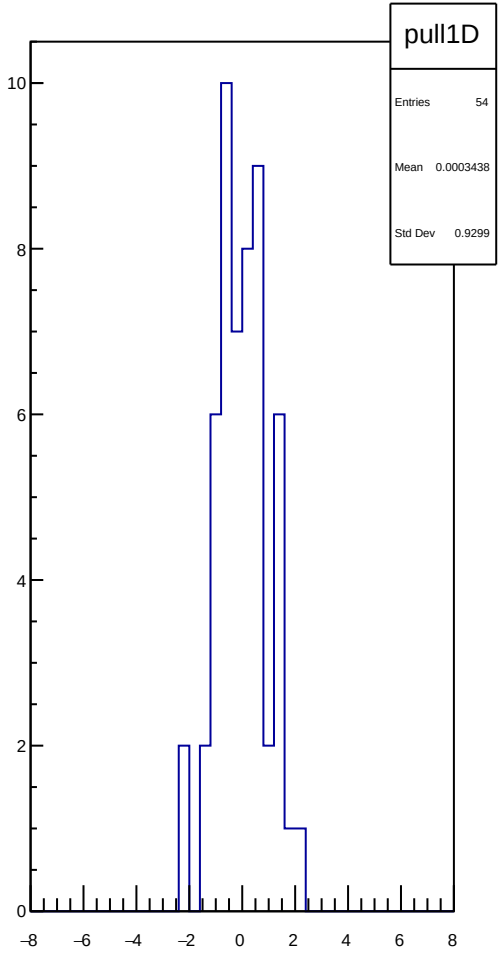
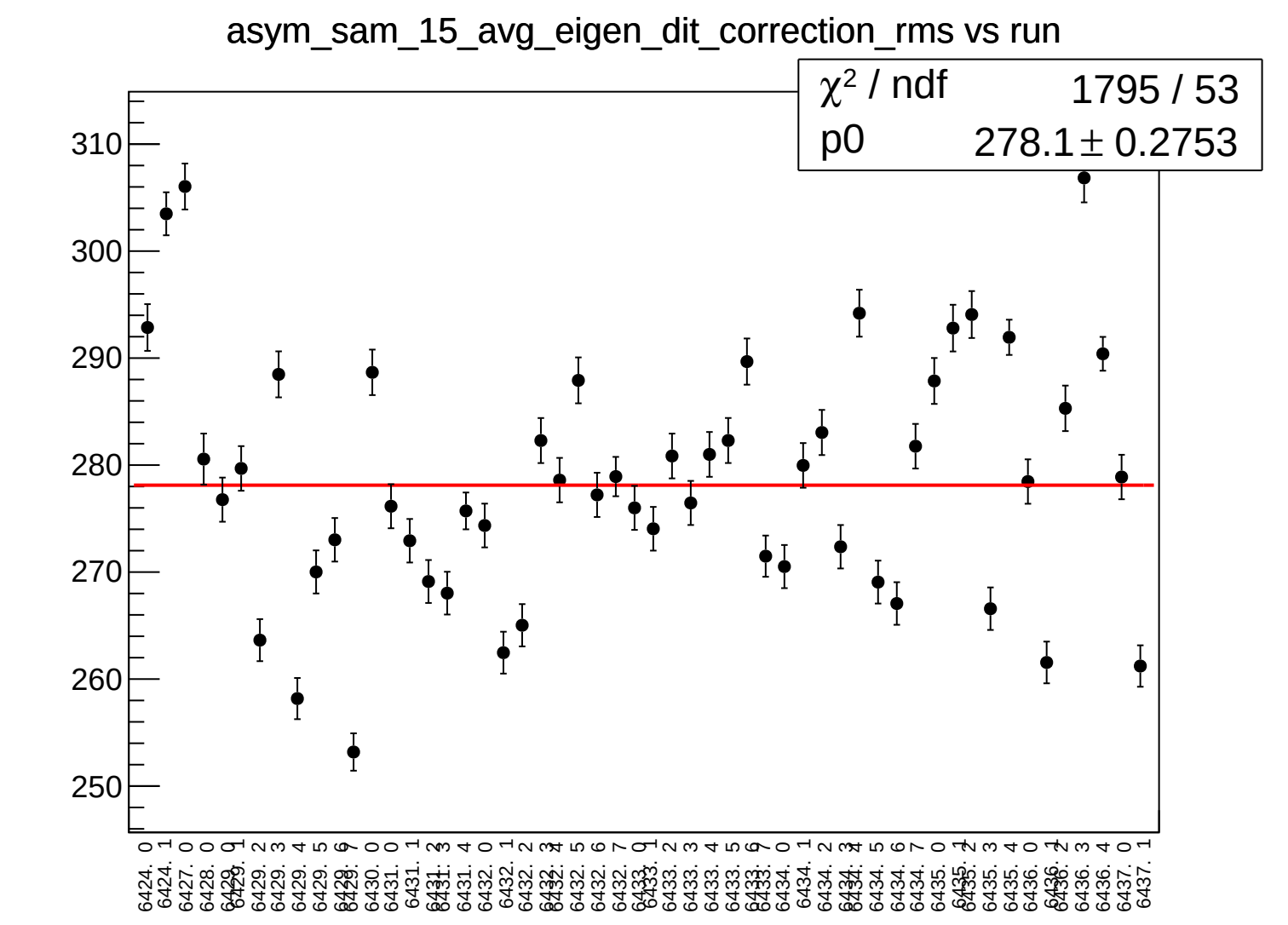
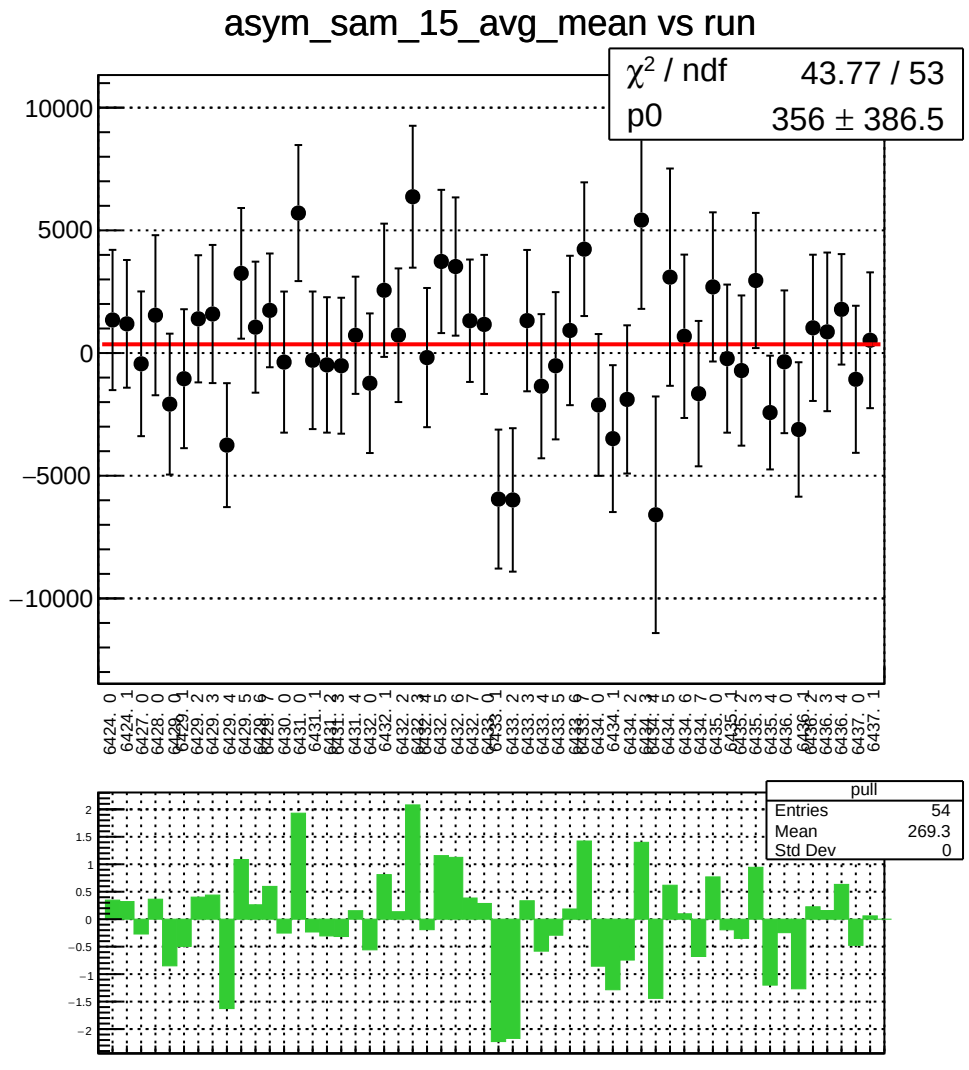
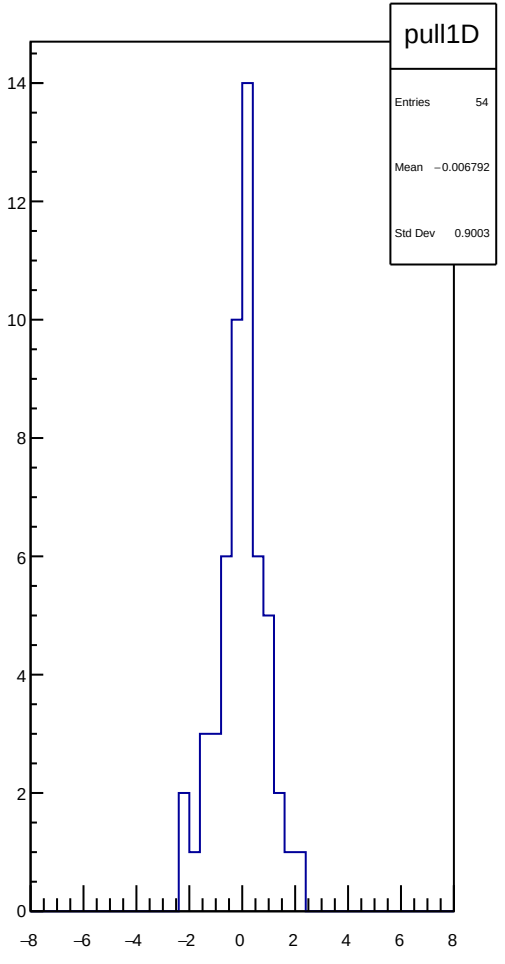
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

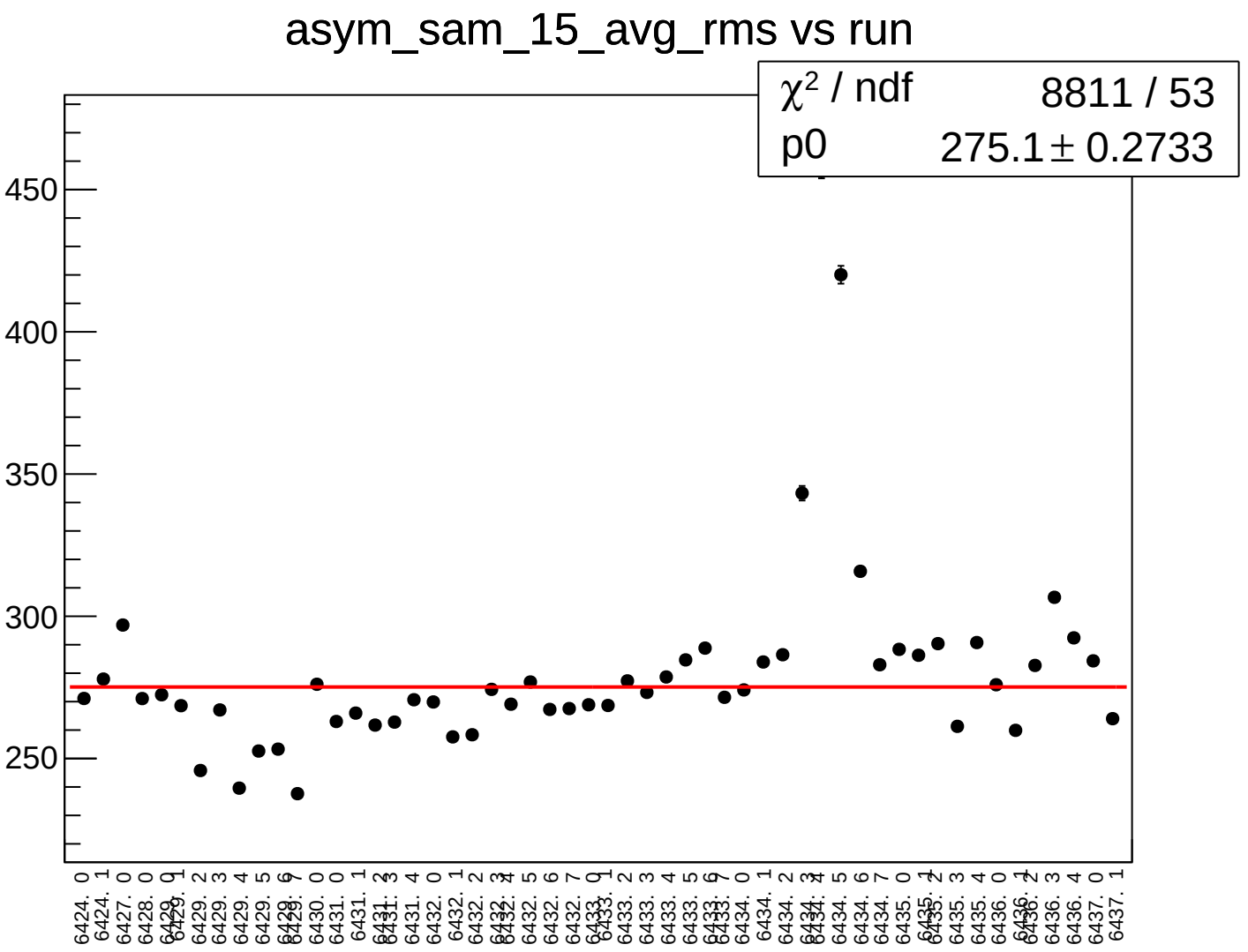

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.69 / 53
p0 −448.9 ± 389.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 5670
Std Dev 0

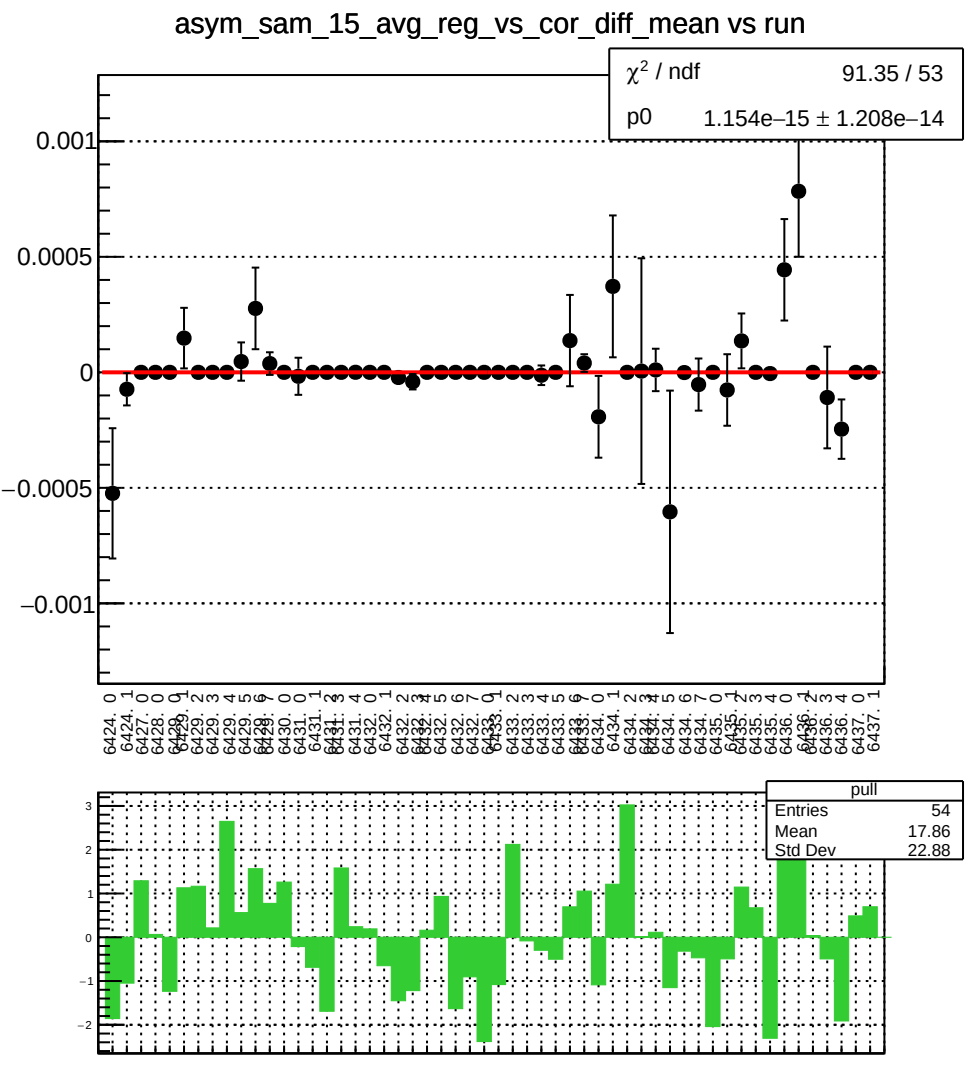

pull1D
Entries 54
Mean 0.0003438
Std Dev 0.9299

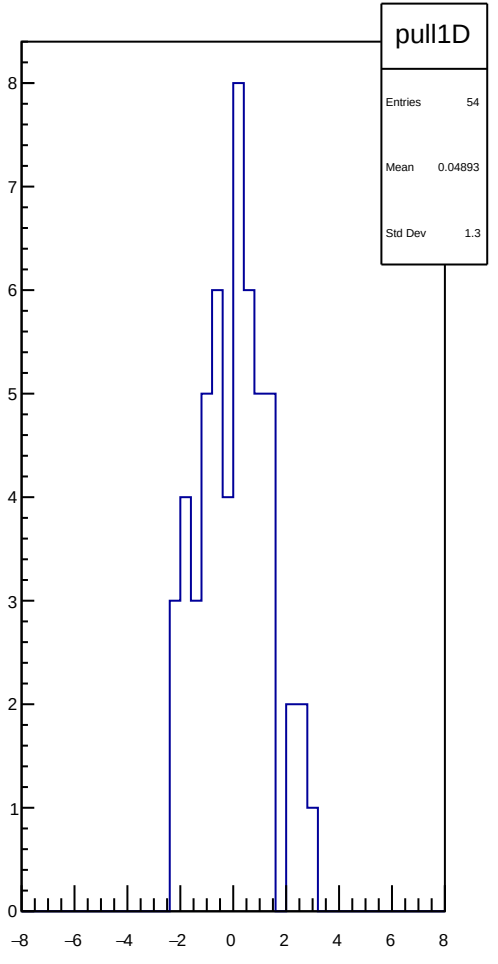

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1795 / 53
p0 278.1 ± 0.2753
310
300
290
280
270
260
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

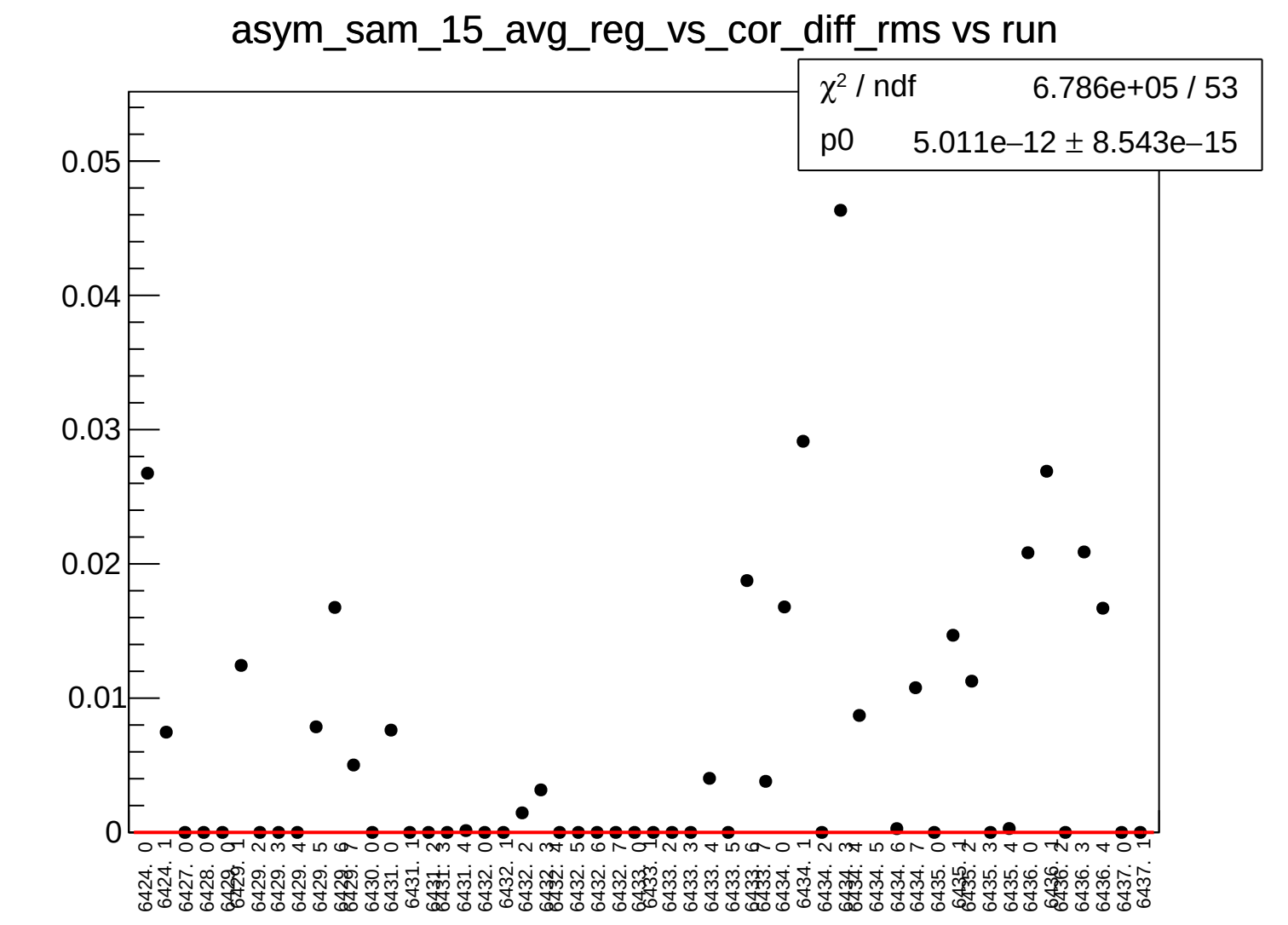

asym_sam_15_avg_mean vs run
χ² / ndf 43.77 / 53
p0 356 ± 386.5
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 269.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

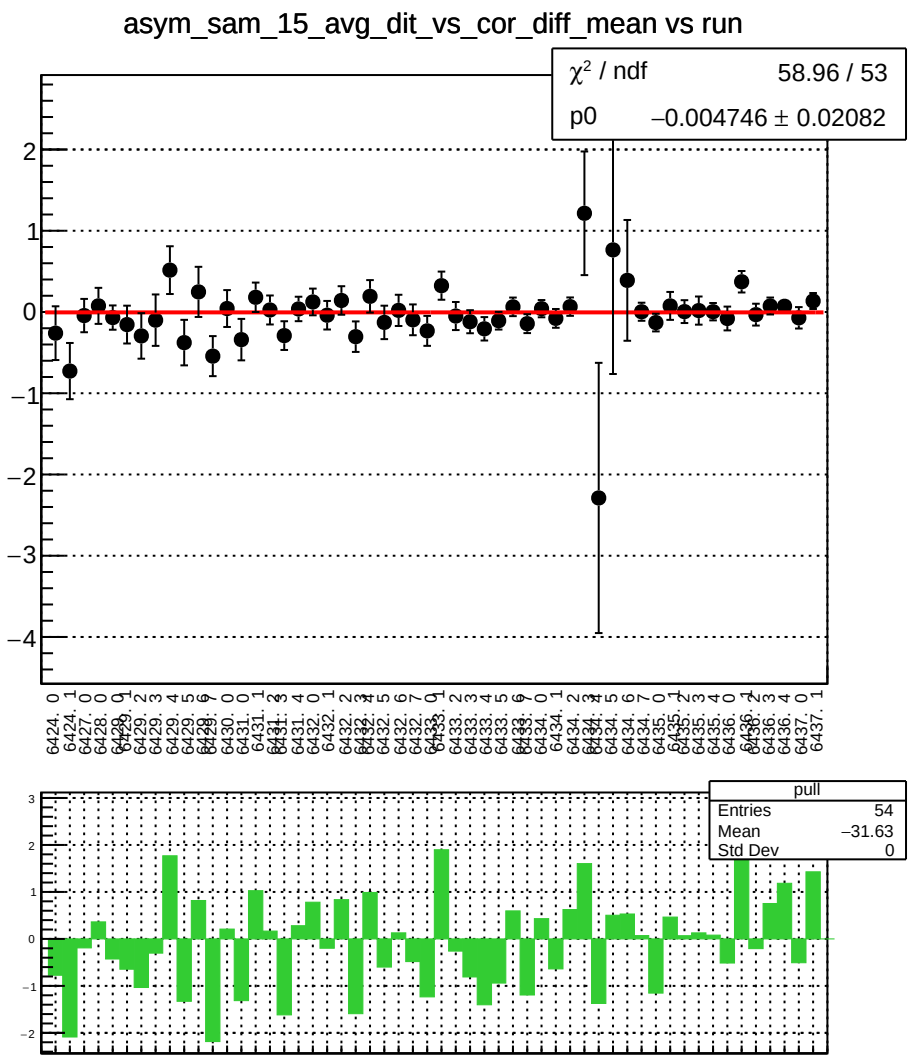

pull1D
Entries 54
Mean −0.006792
Std Dev 0.9003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

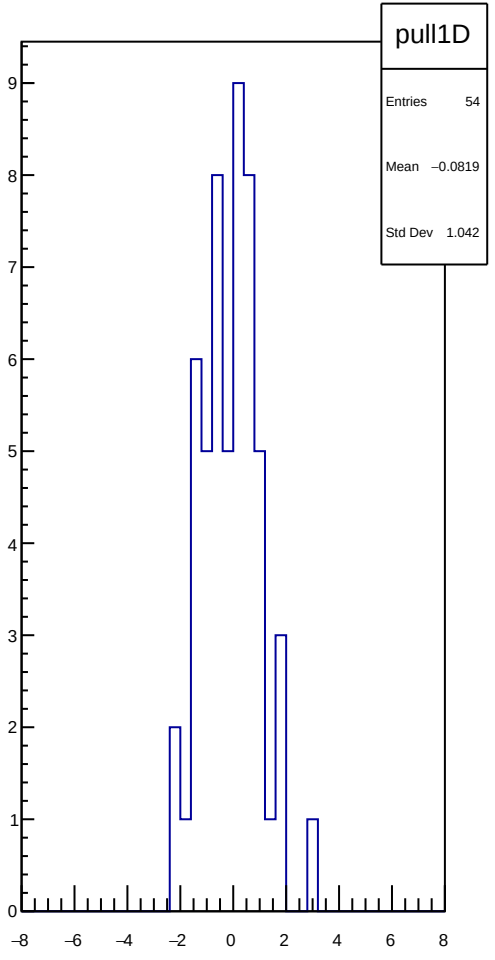

asym_sam_15_avg_rms vs run
χ² / ndf 8811 / 53
p0 275.1 ± 0.2733
450
400
350
300
250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

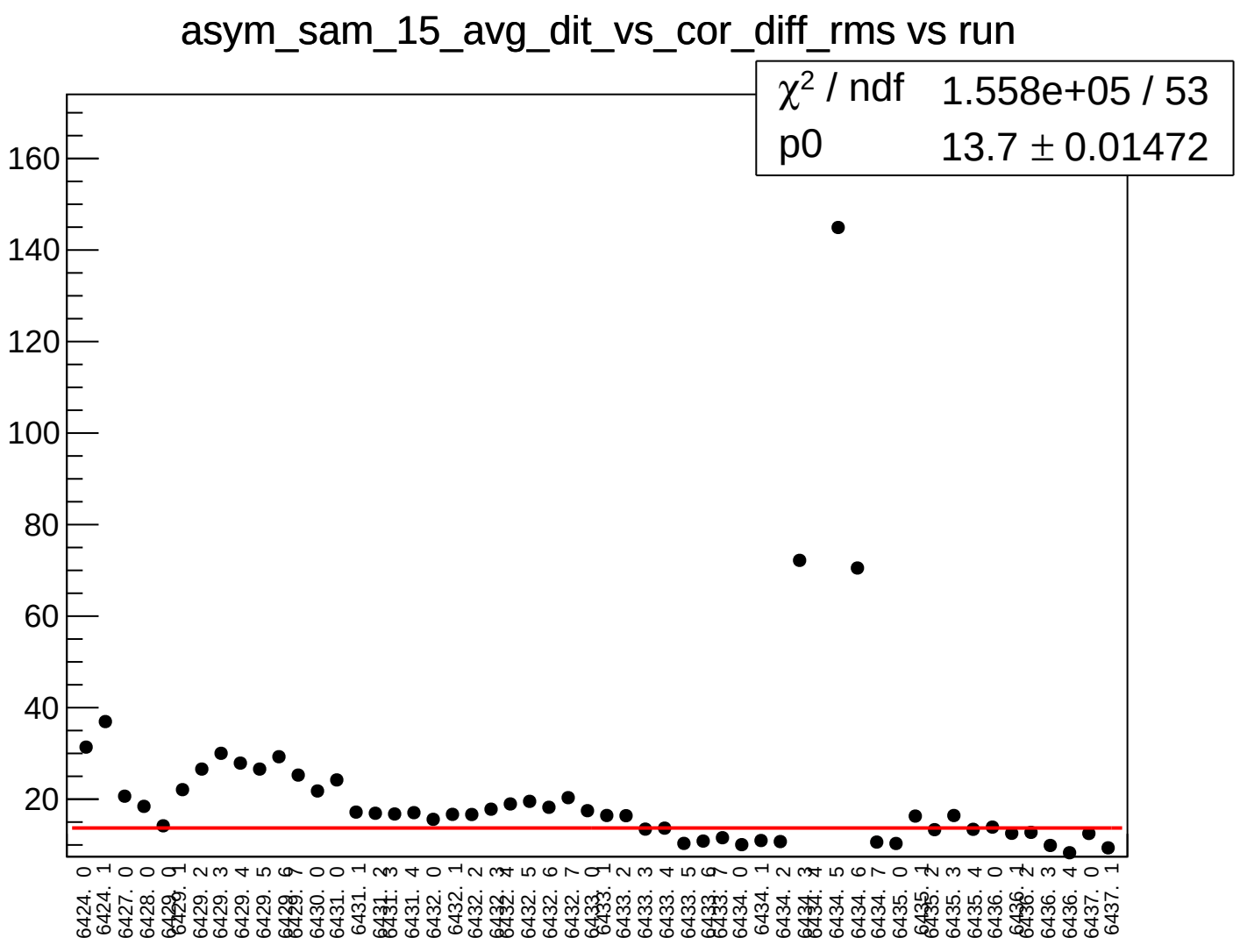

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.35 / 53
p0 1.154e−15 ± 1.208e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 17.86
Std Dev 22.88

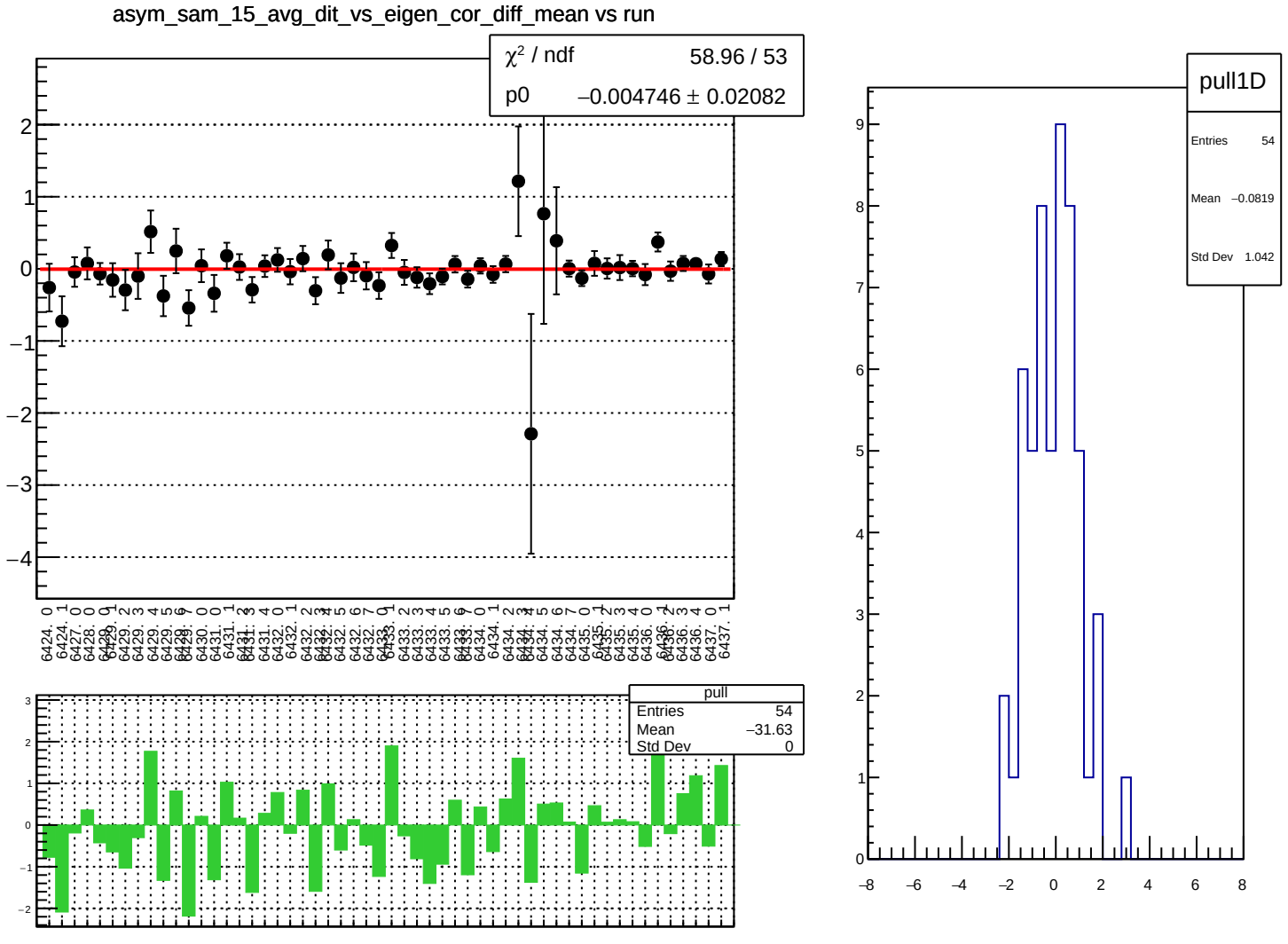

pull1D
Entries 54
Mean 0.04893
Std Dev 1.3

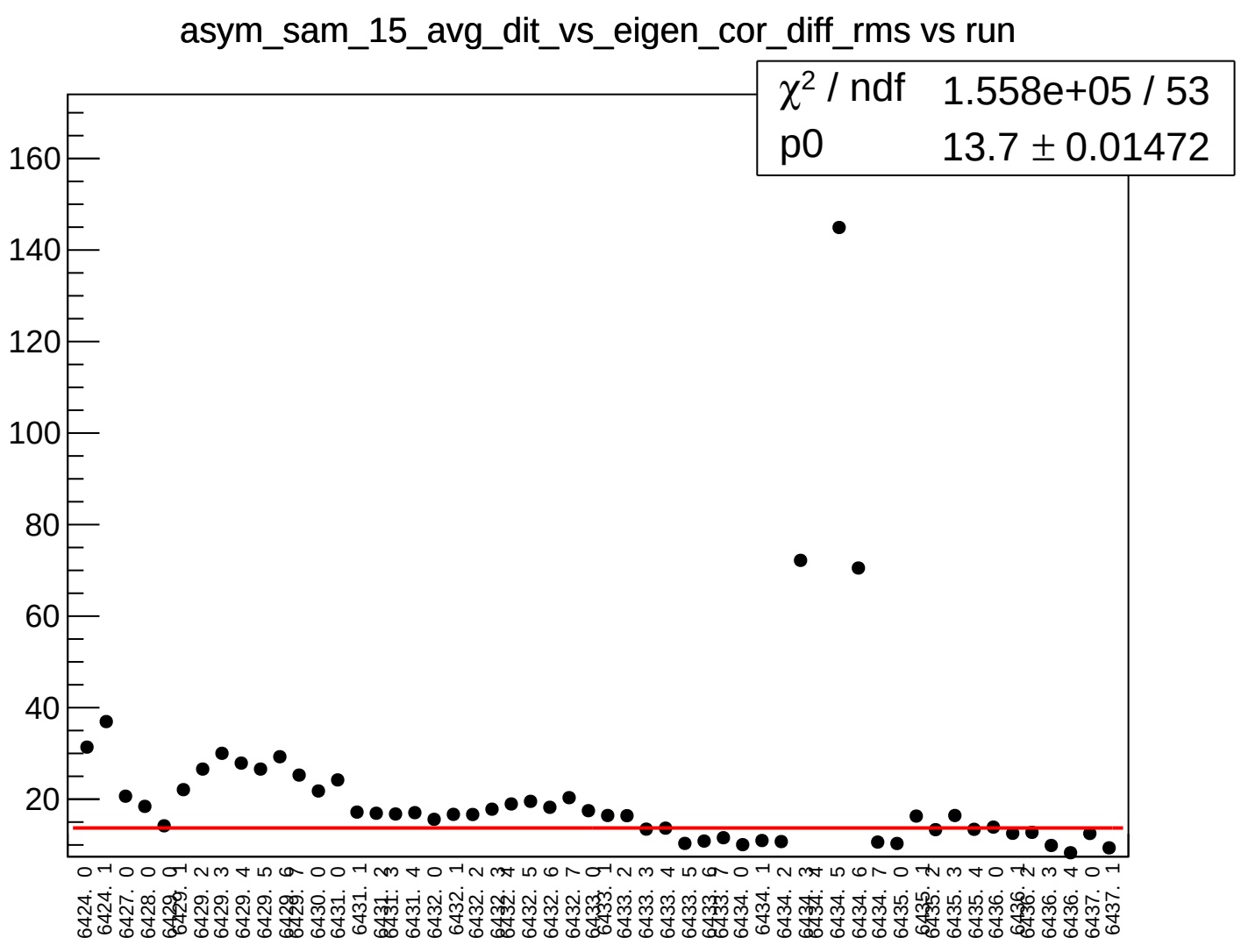

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.786e+05 / 53
p0 5.011e−12 ± 8.543e−15
0.05
0.04
0.03
0.02
0.01
0

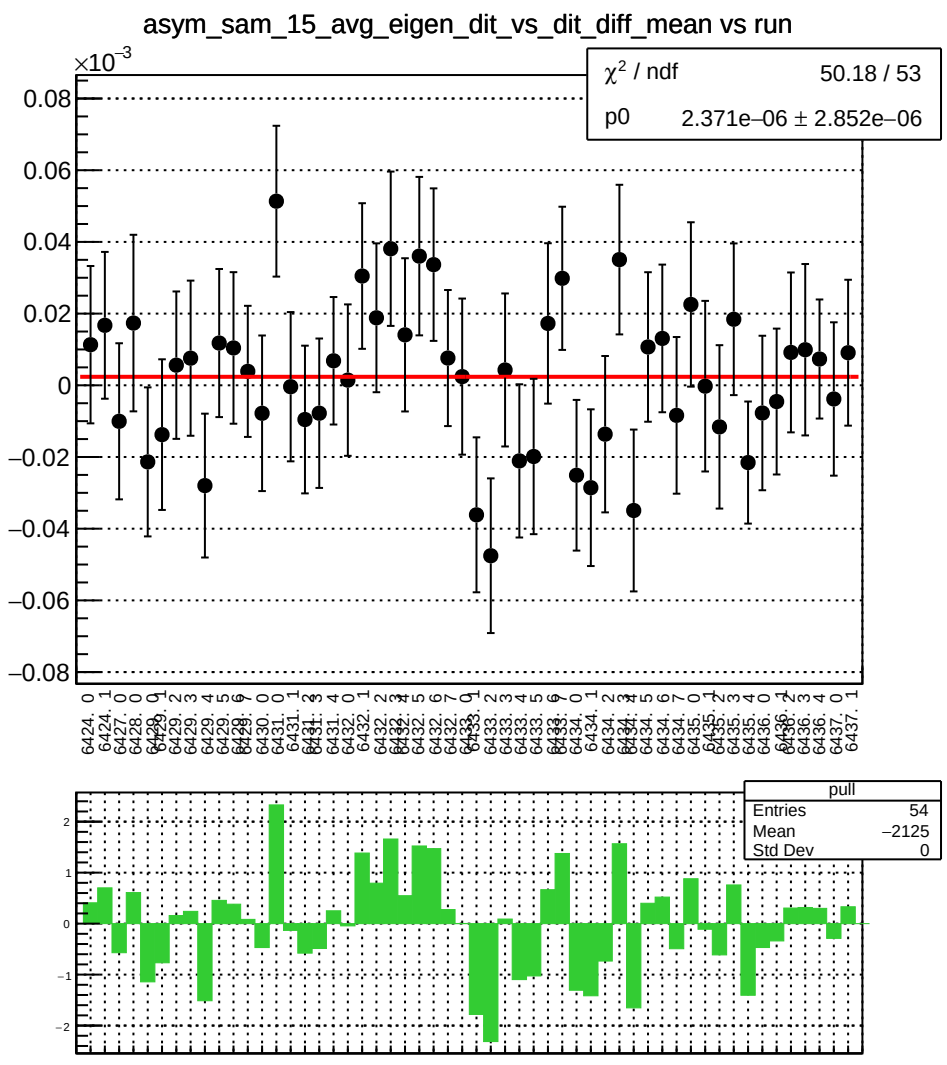

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.96 / 53
p0 −0.004746 ± 0.02082
pull
Entries 54
Mean −31.63
Std Dev 0

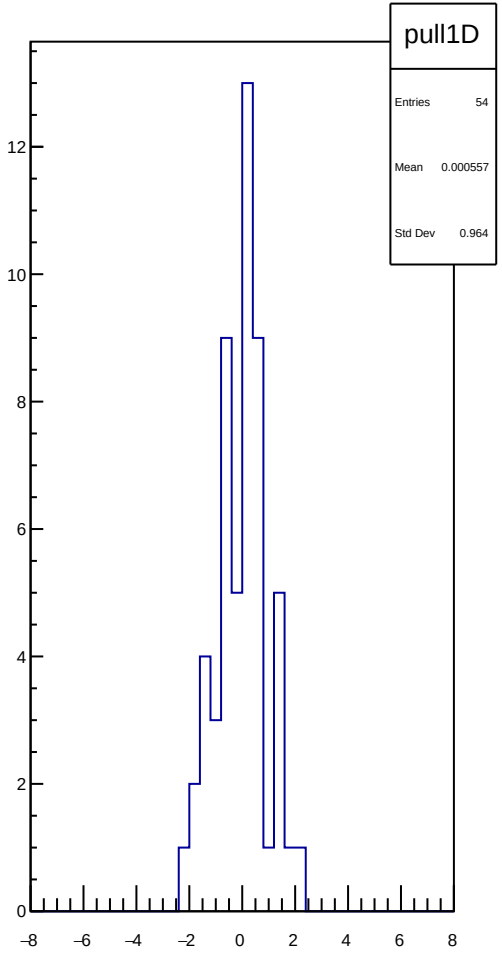

pull1D
Entries 54
Mean −0.0819
Std Dev 1.042

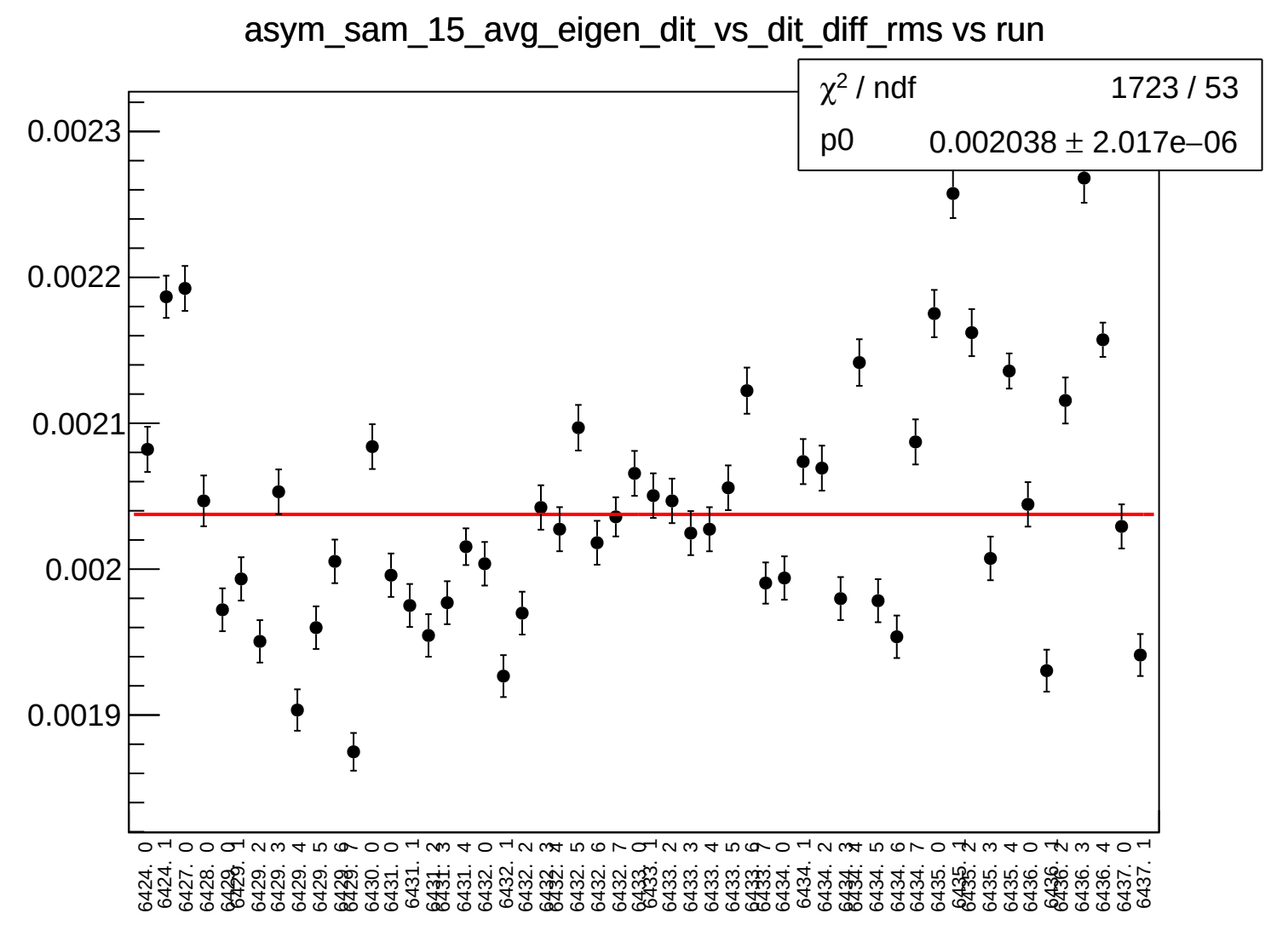

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 53
p0 13.7 ± 0.01472
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

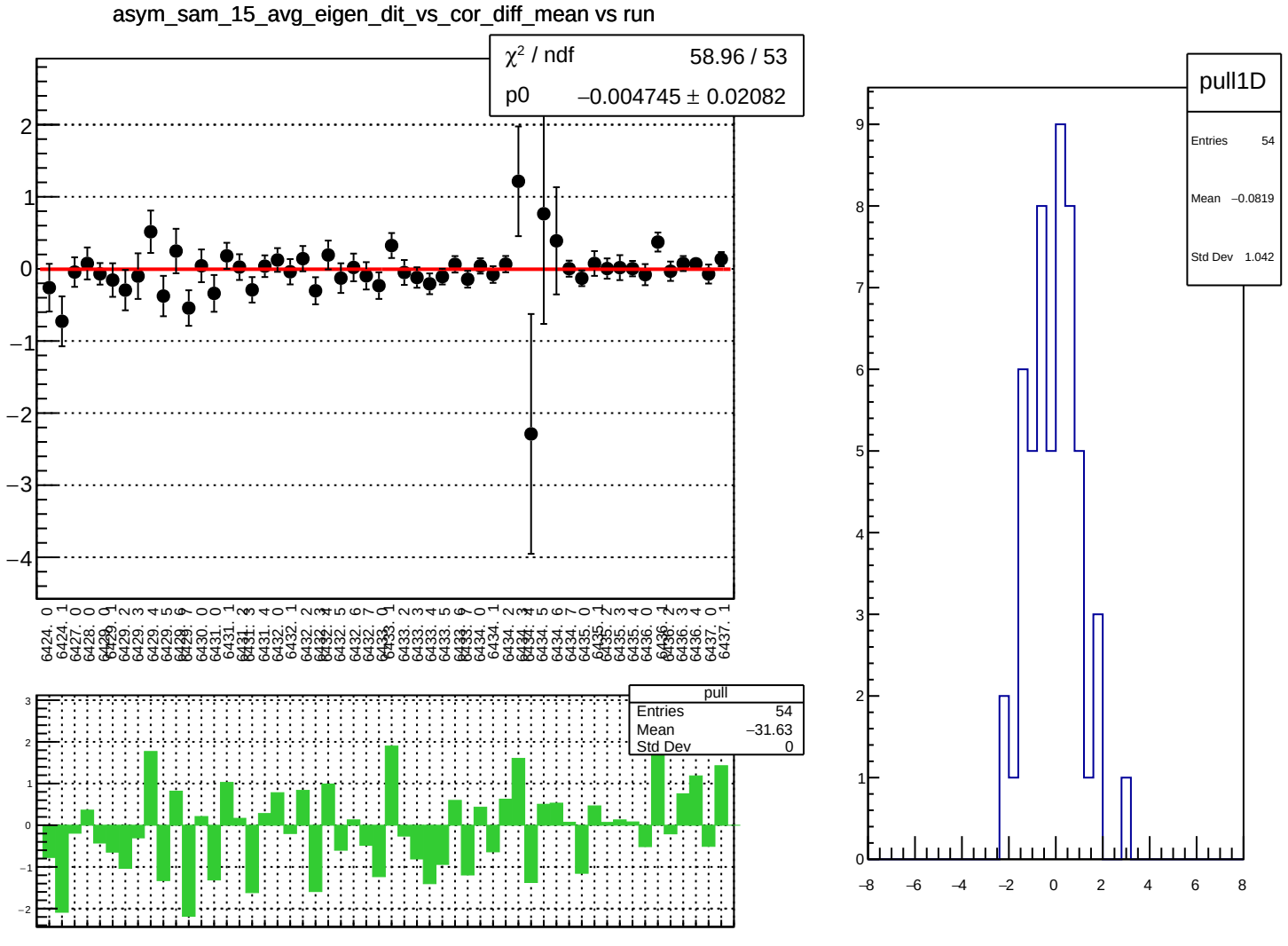

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.96 / 53
p0 −0.004746 ± 0.02082
pull
Entries 54
Mean −31.63
Std Dev 0
pull1D
Entries 54
Mean −0.0819
Std Dev 1.042

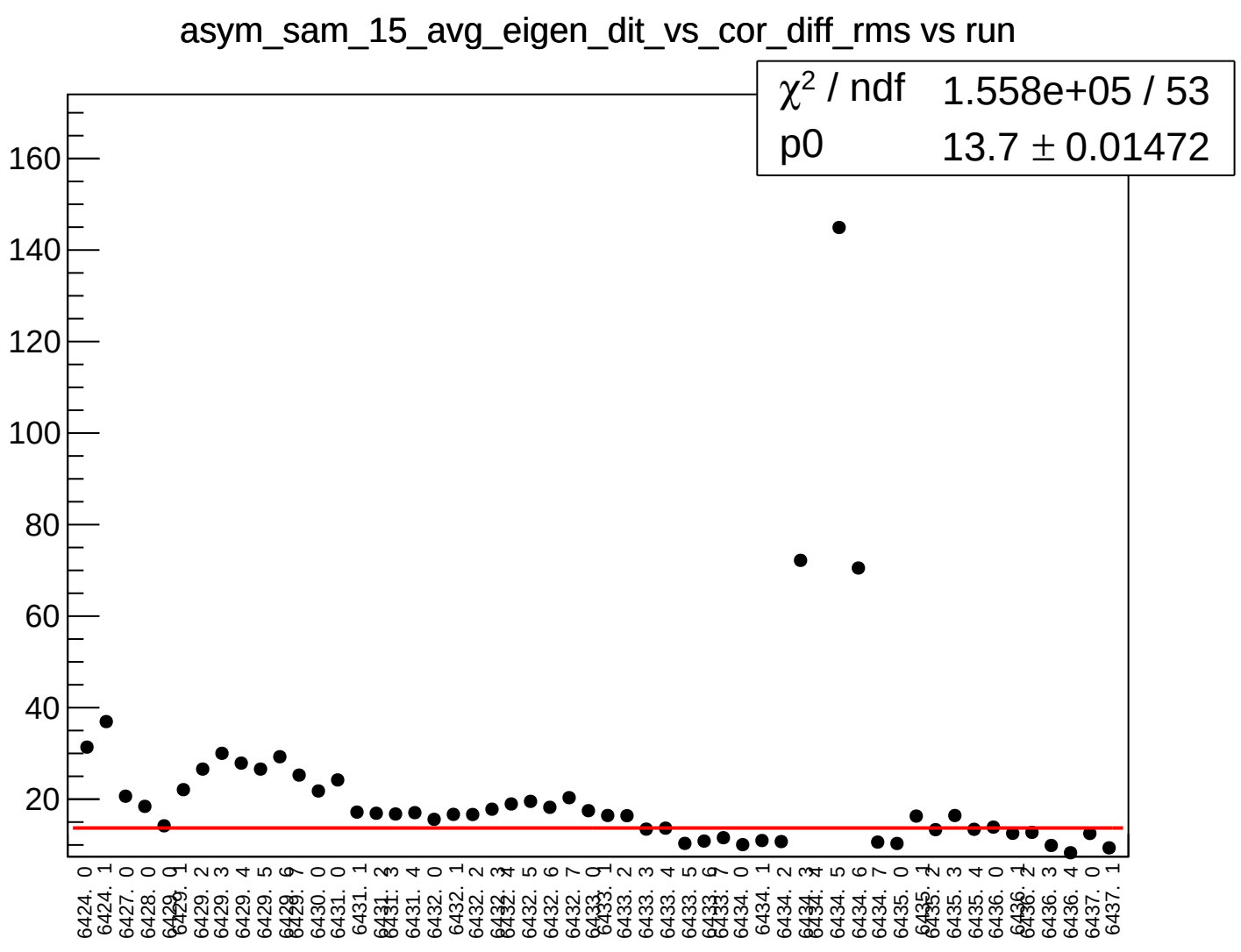

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 53
p0 13.7 ± 0.01472
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

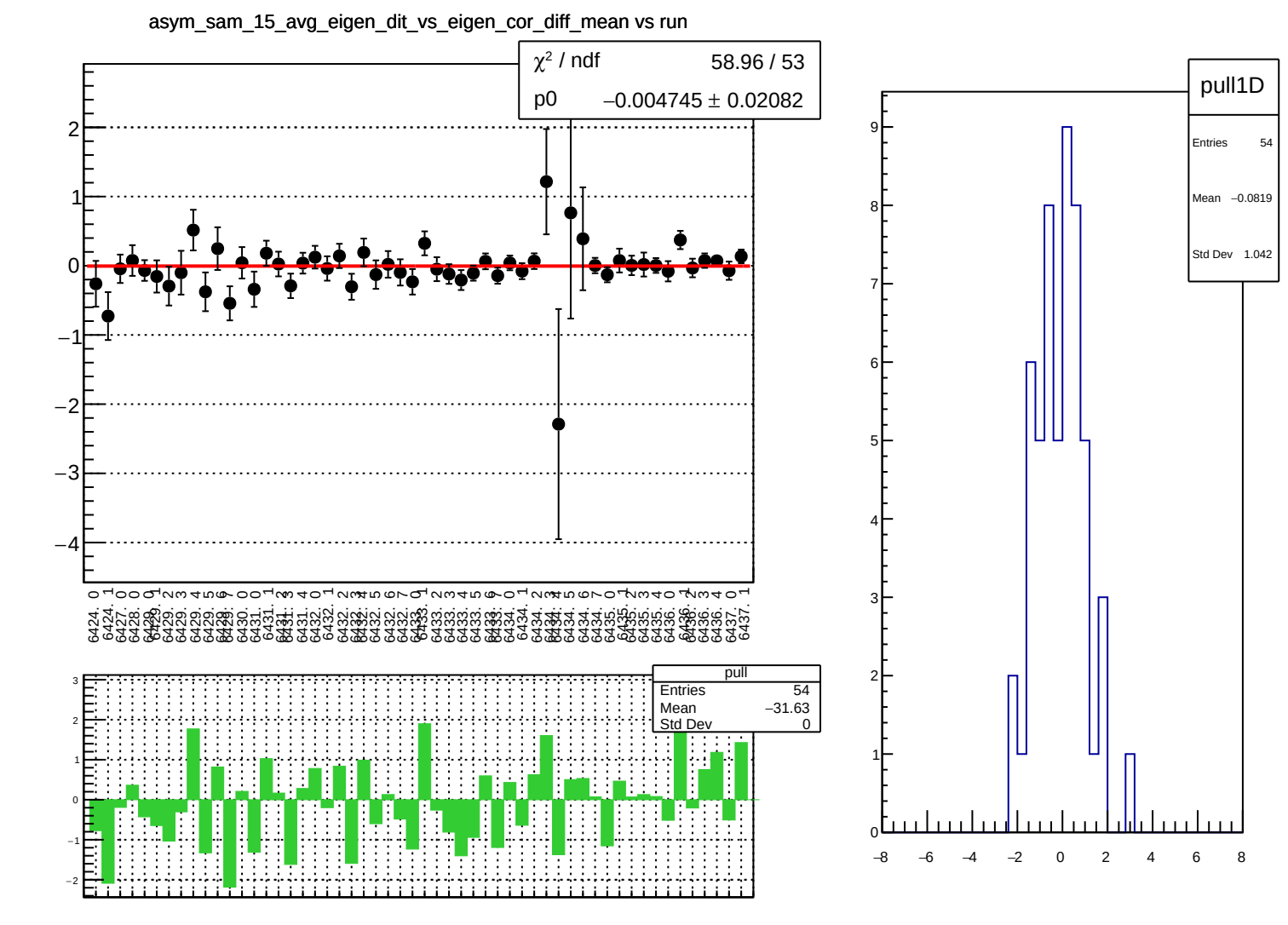

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.18 / 53
p0 2.371e−06 ± 2.852e−06
pull
Entries 54
Mean −2125
Std Dev 0

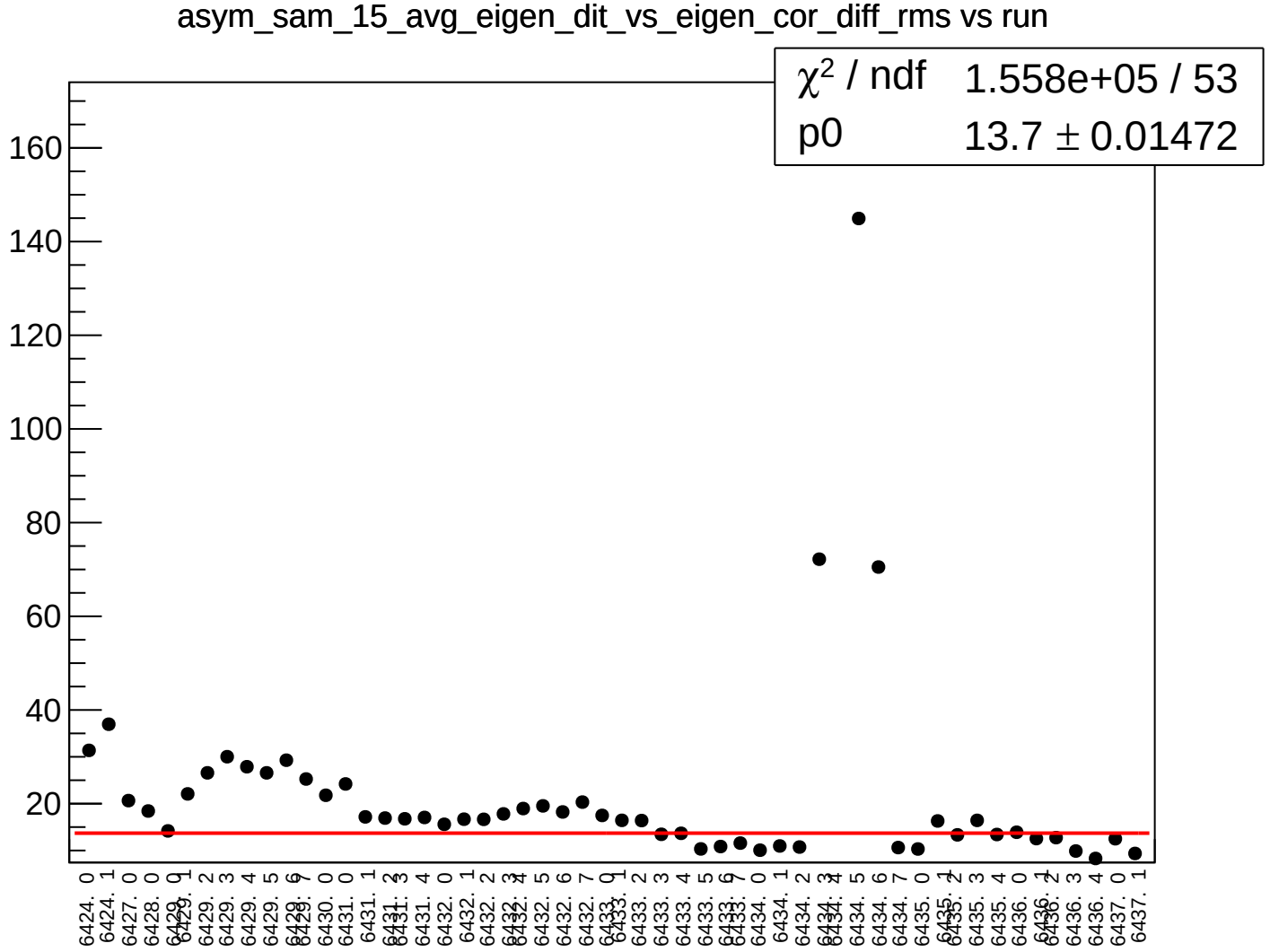

pull1D
Entries 54
Mean 0.000557
Std Dev 0.964

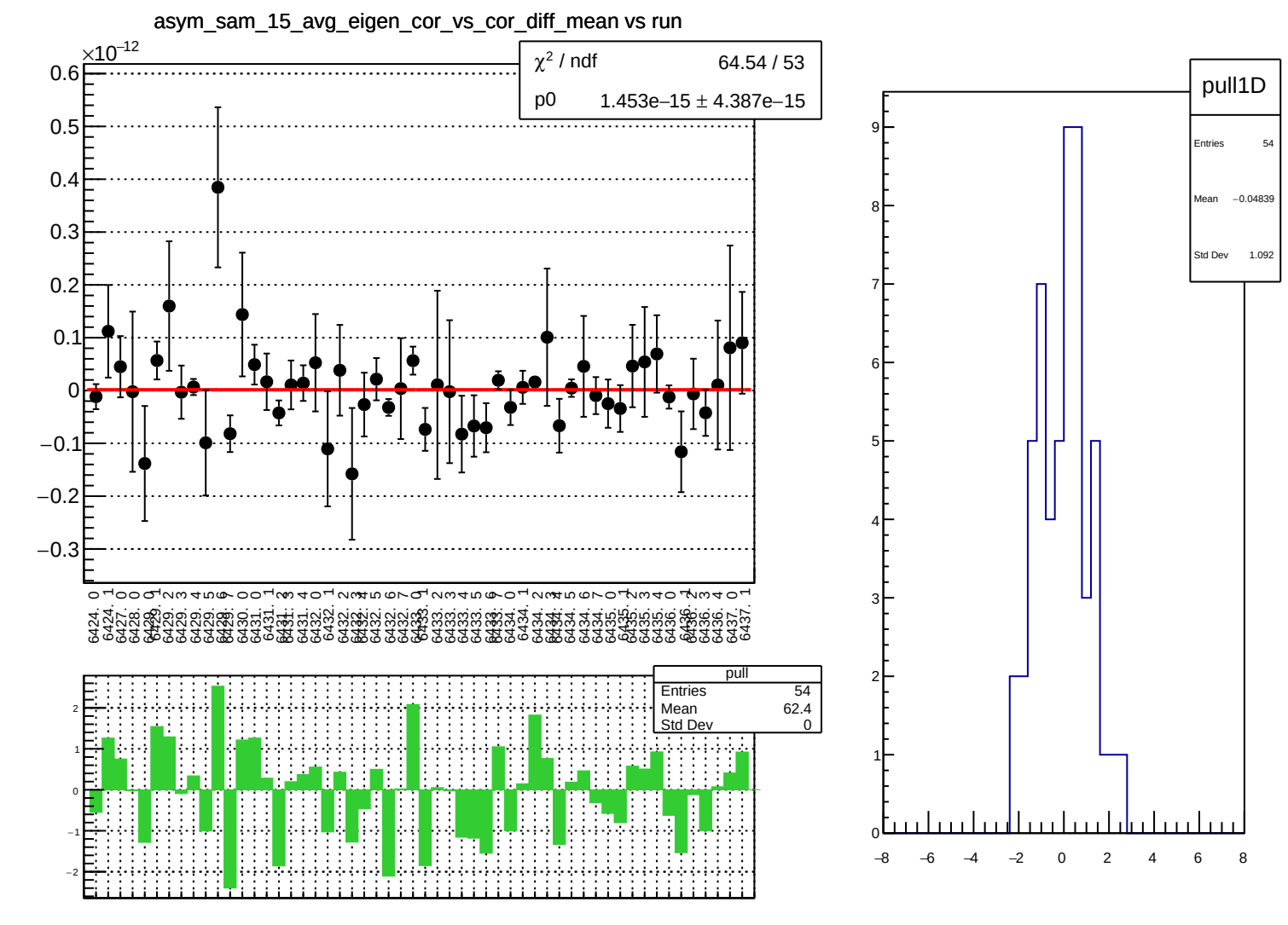

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1723 / 53
p0 0.002038 ± 2.017e−06
0.0023
0.0022
0.0021
0.002
0.0019
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

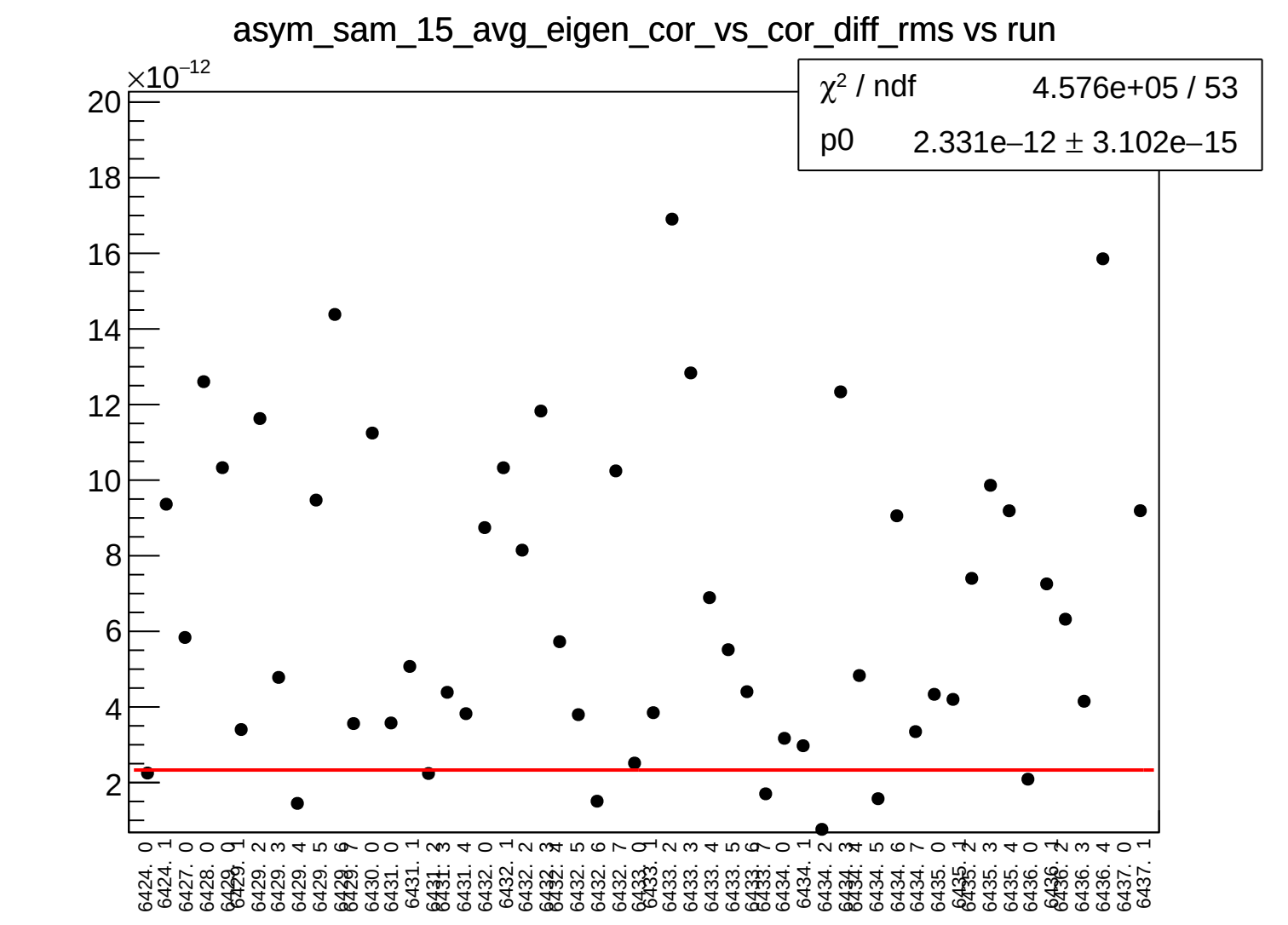

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.96 / 53
p0 −0.004745 ± 0.02082
pull
Entries 54
Mean −31.63
Std Dev 0
pull1D
Entries 54
Mean −0.0819
Std Dev 1.042

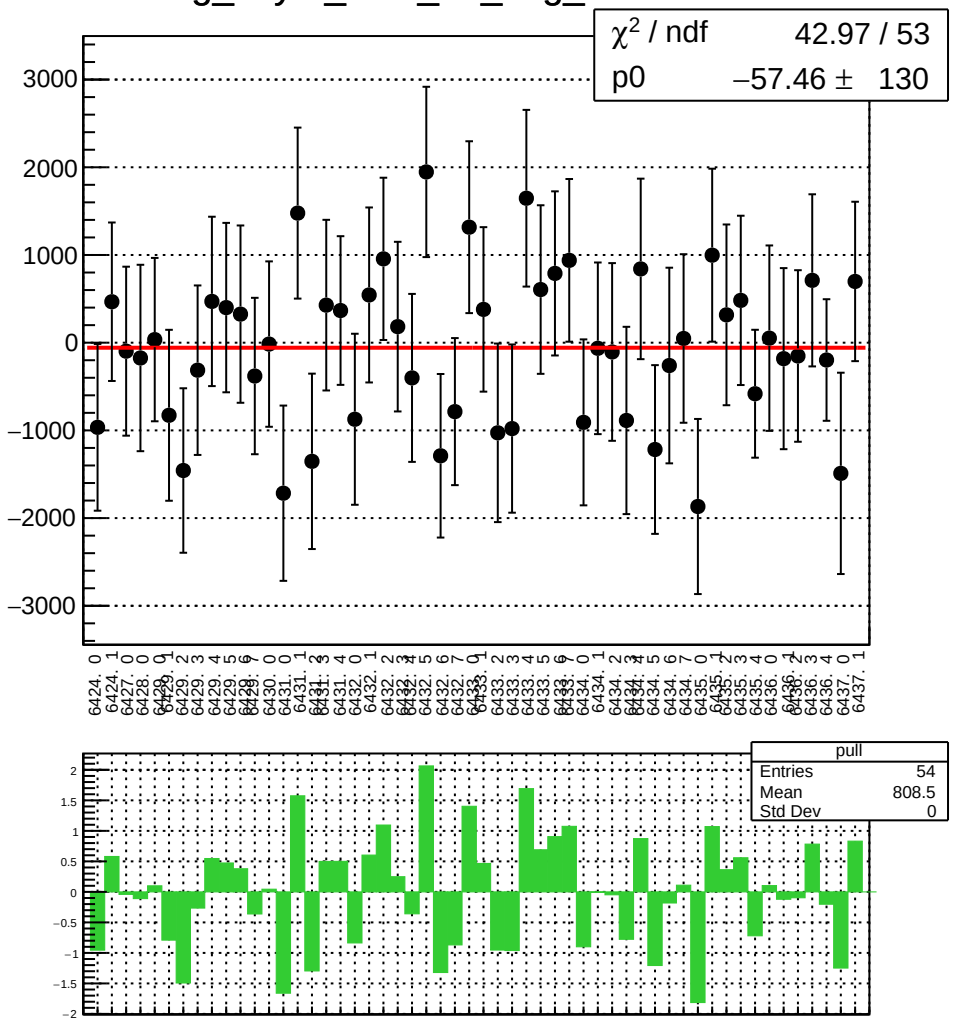

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 53
p0 13.7 ± 0.01472
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

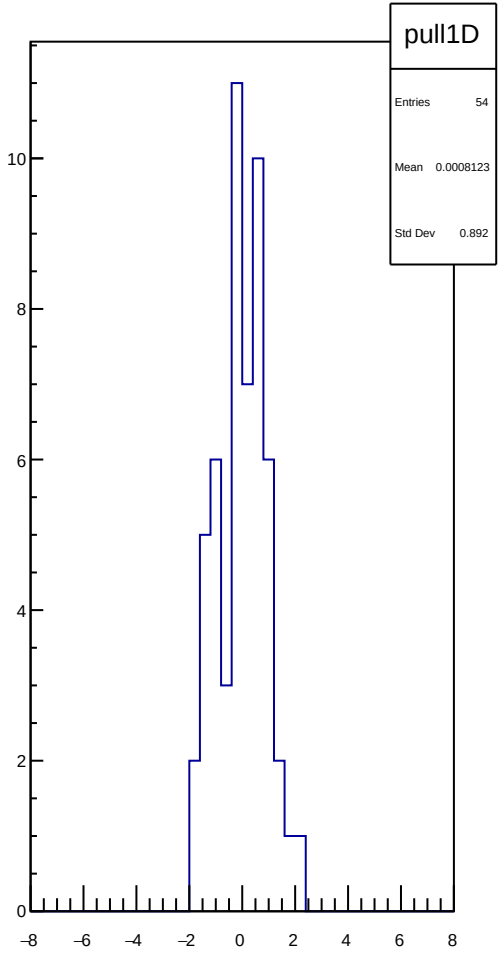

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.96 / 53
p0 −0.004745 ± 0.02082
pull
Entries 54
Mean −31.63
Std Dev 0
pull1D
Entries 54
Mean −0.0819
Std Dev 1.042

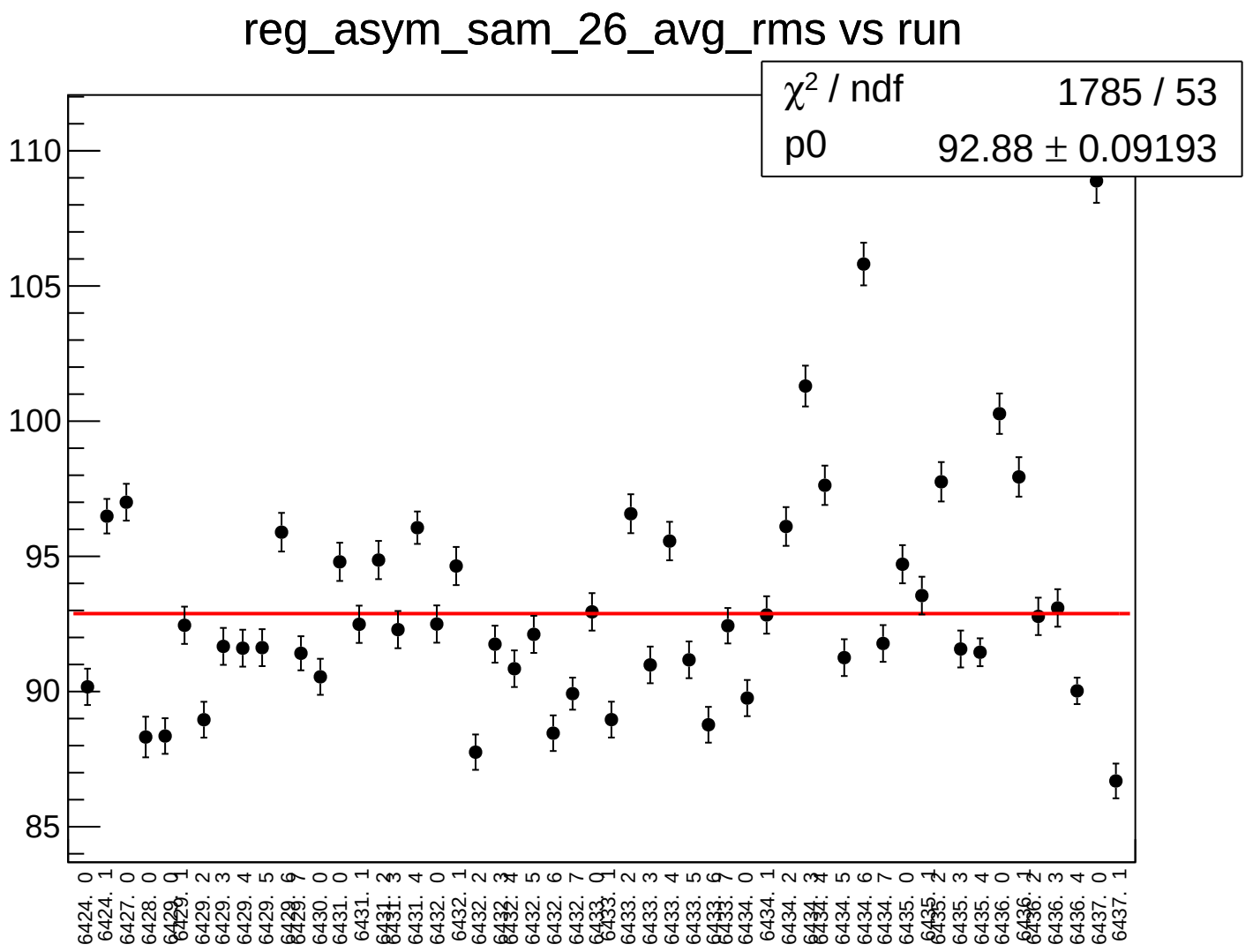

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.558e+05 / 53
p0 13.7 ± 0.01472
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

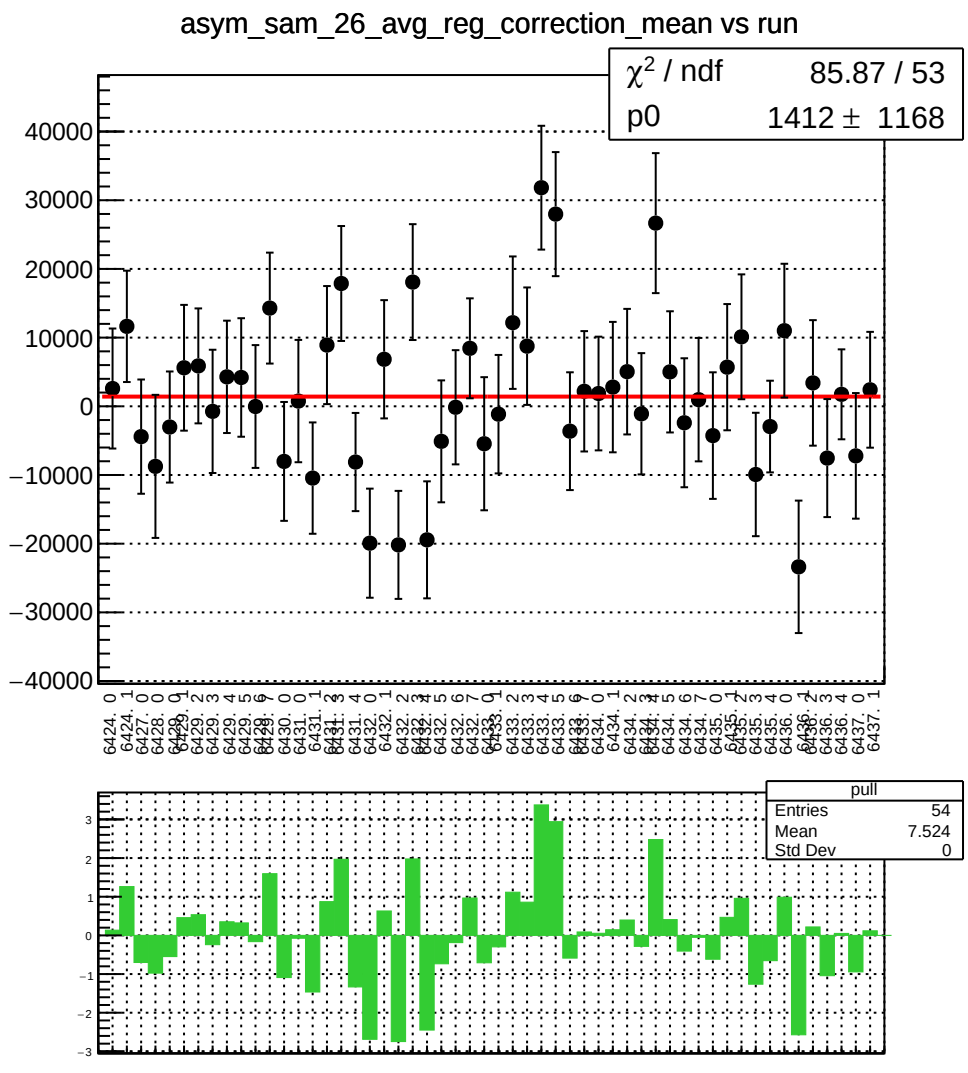

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.54 / 53
p0 1.453e−15 ± 4.387e−15
pull
Entries 54
Mean 62.4
Std Dev 0
pull1D
Entries 54
Mean −0.04839
Std Dev 1.092

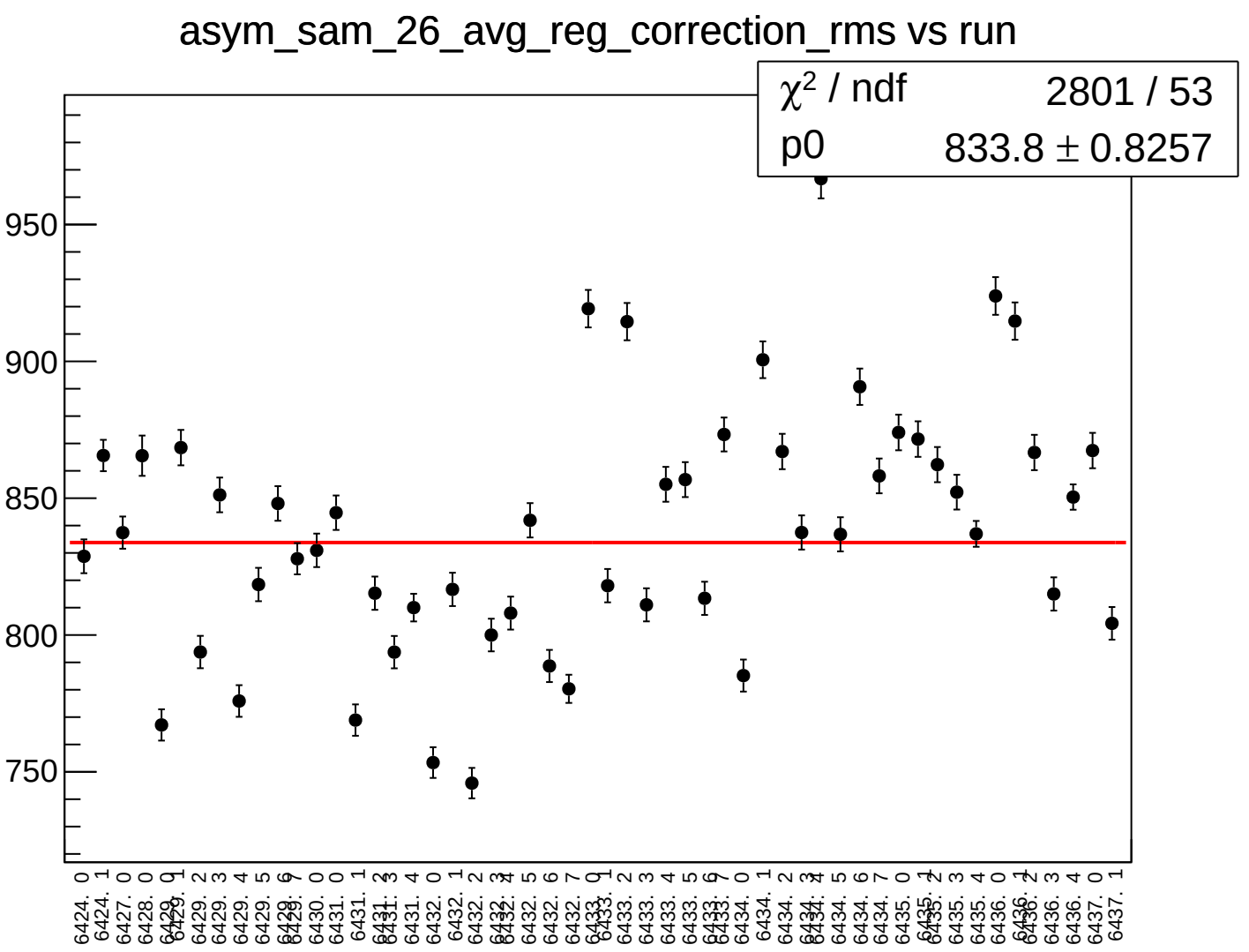

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.576e+05 / 53
p0 2.331e−12 ± 3.102e−15
20
18
16
14
12
10
8
6
4
2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

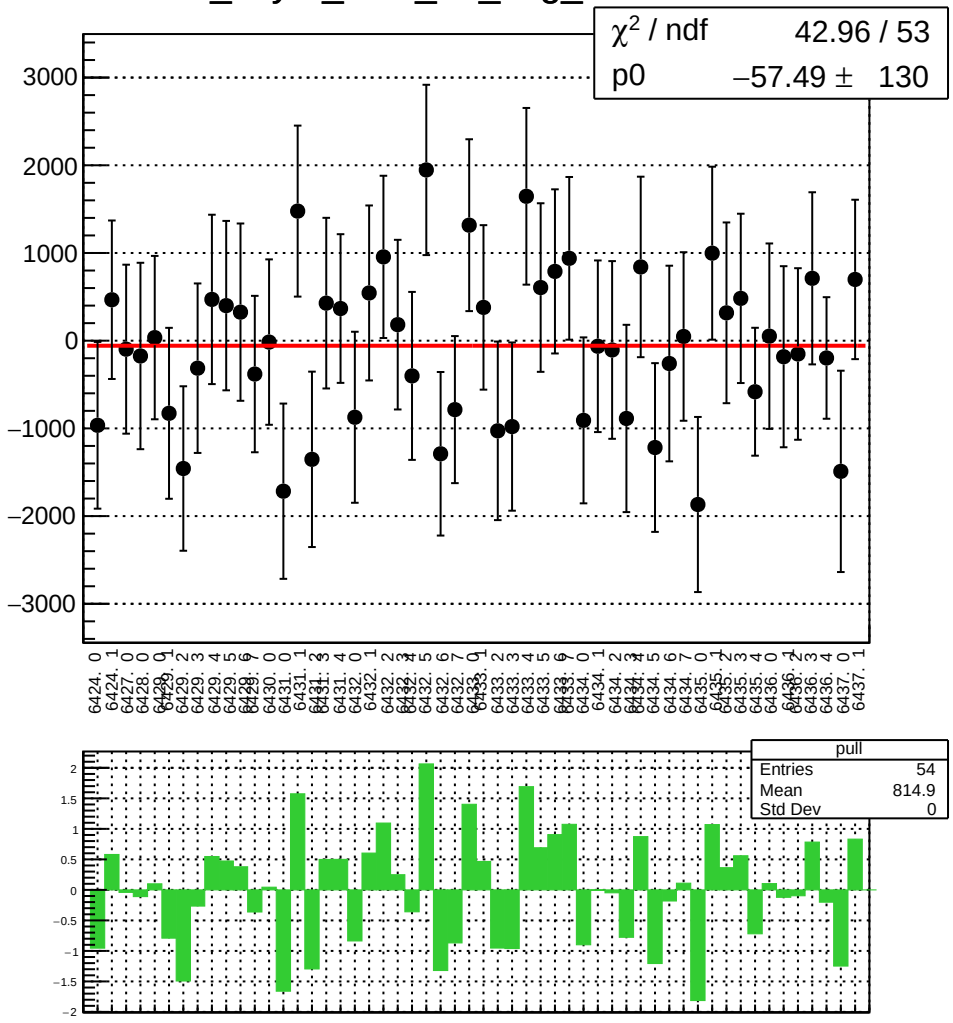

reg_asym_sam_26_avg_mean vs run
χ² / ndf 42.97 / 53
p0 −57.46 ± 130
pull
Entries 54
Mean 808.5
Std Dev 0

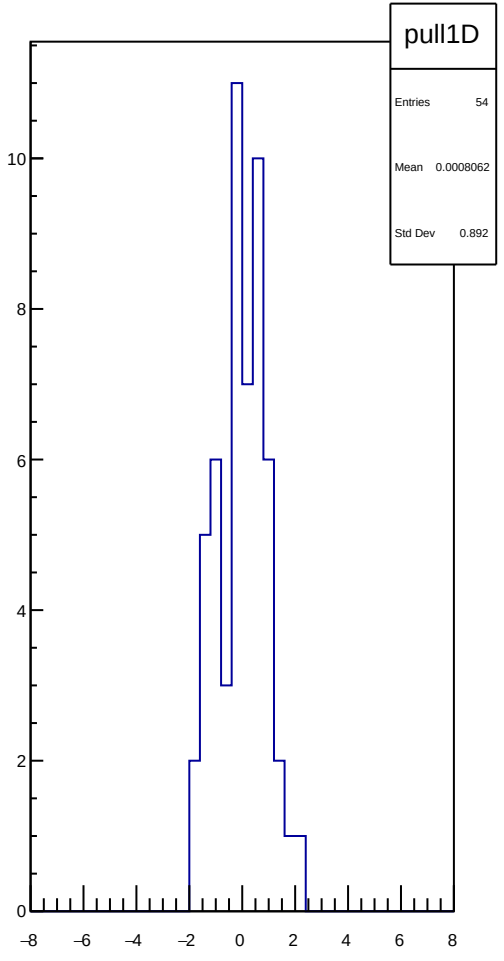

pull1D
Entries 54
Mean 0.0008123
Std Dev 0.892

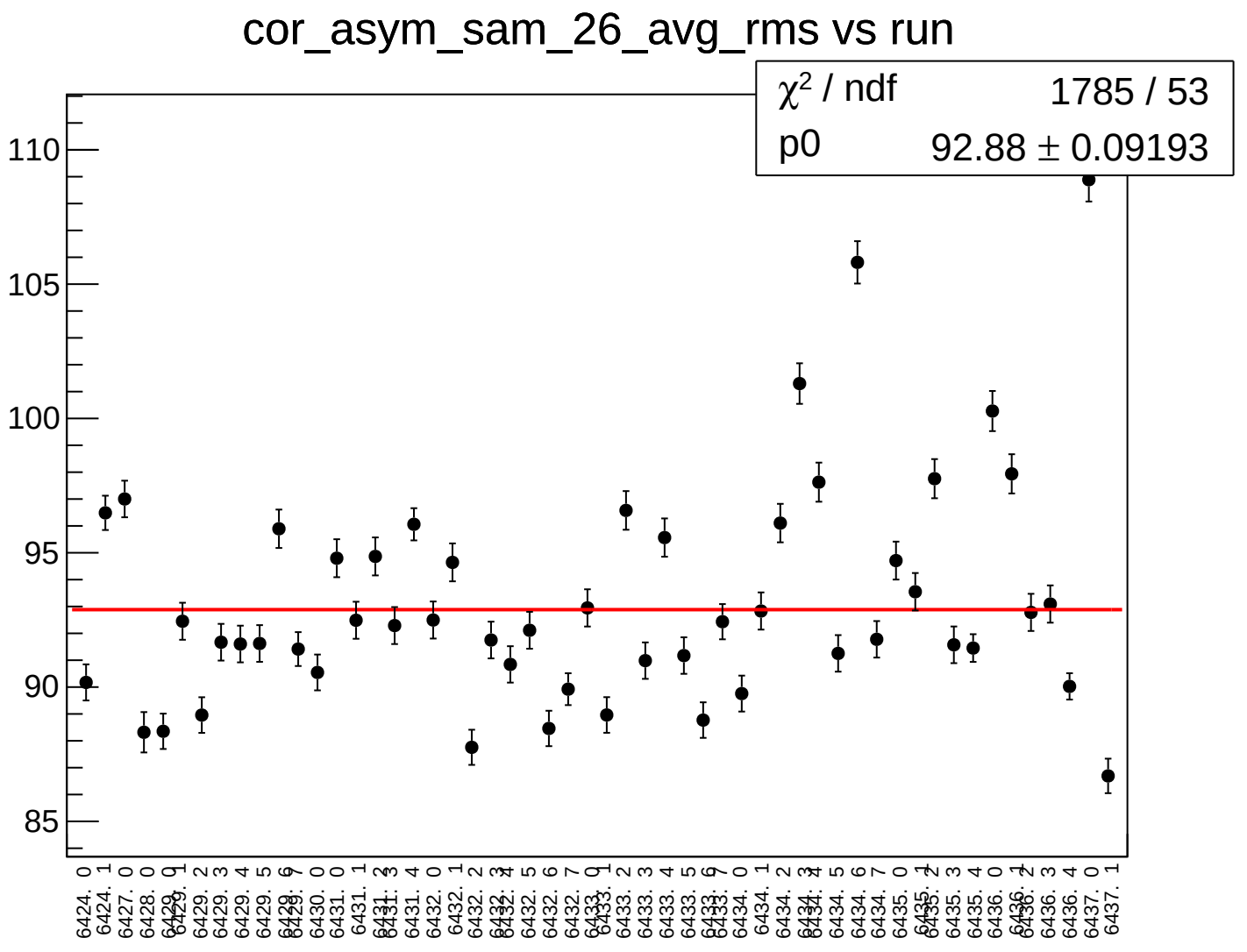

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 1785 / 53
p0 92.88 ± 0.09193
110
105
100
95
90
85
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

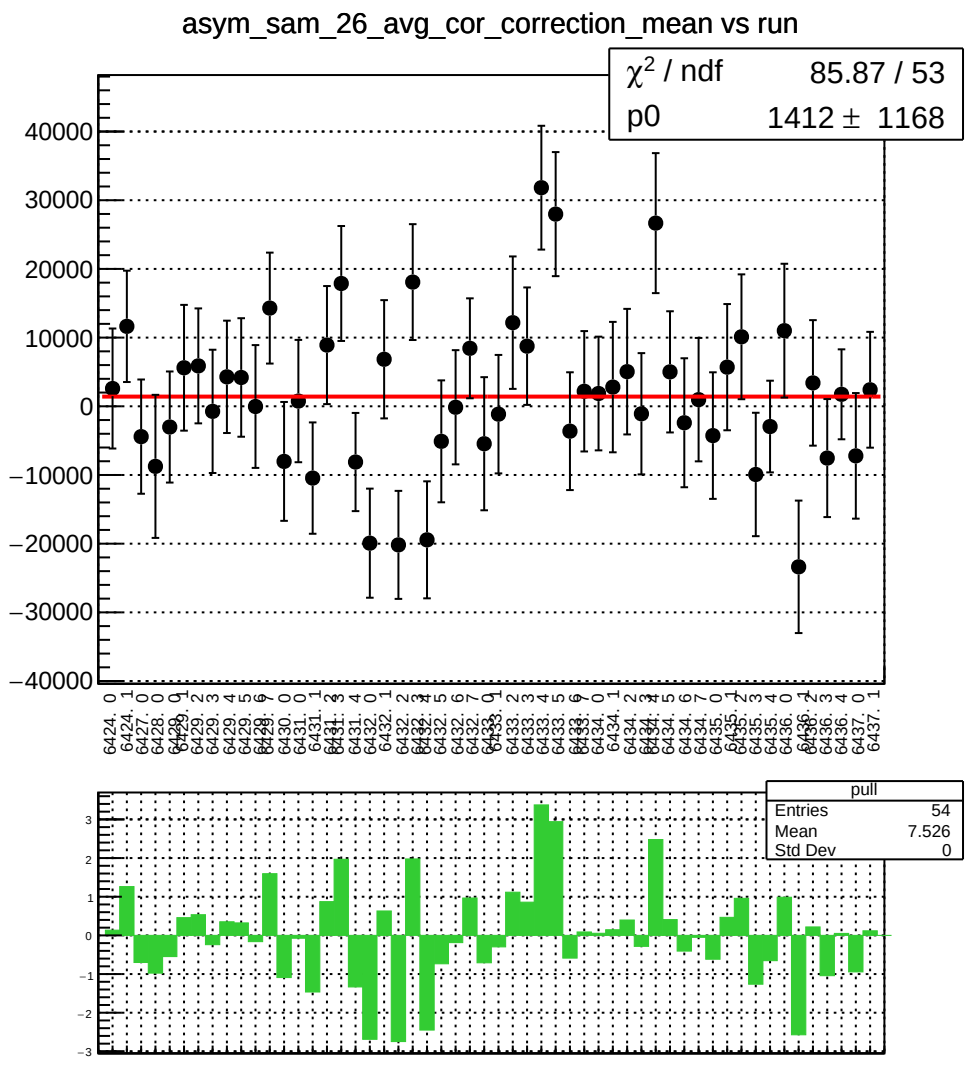

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 85.87 / 53
p0 1412 ± 1168
pull
Entries 54
Mean 7.524
Std Dev 0
pull1D
Entries 54
Mean 0.01728
Std Dev 1.261

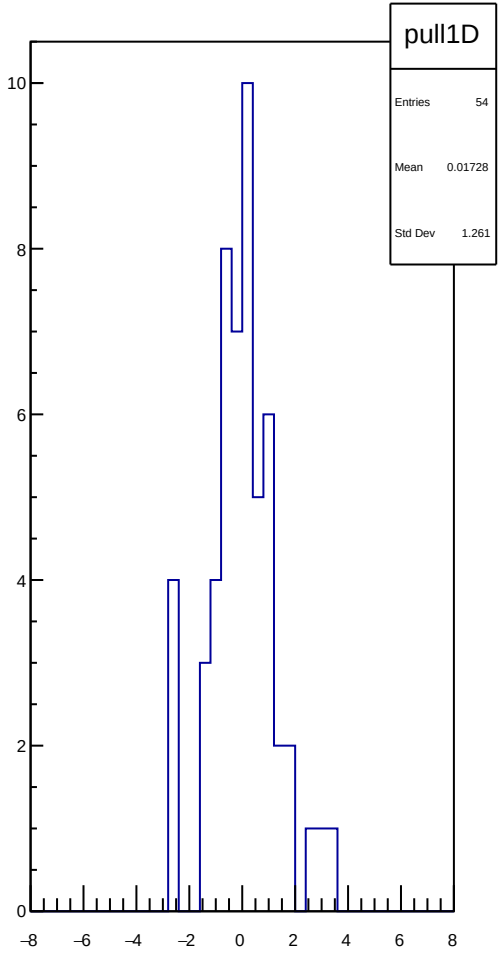

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 2801 / 53
p0 833.8 ± 0.8257
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

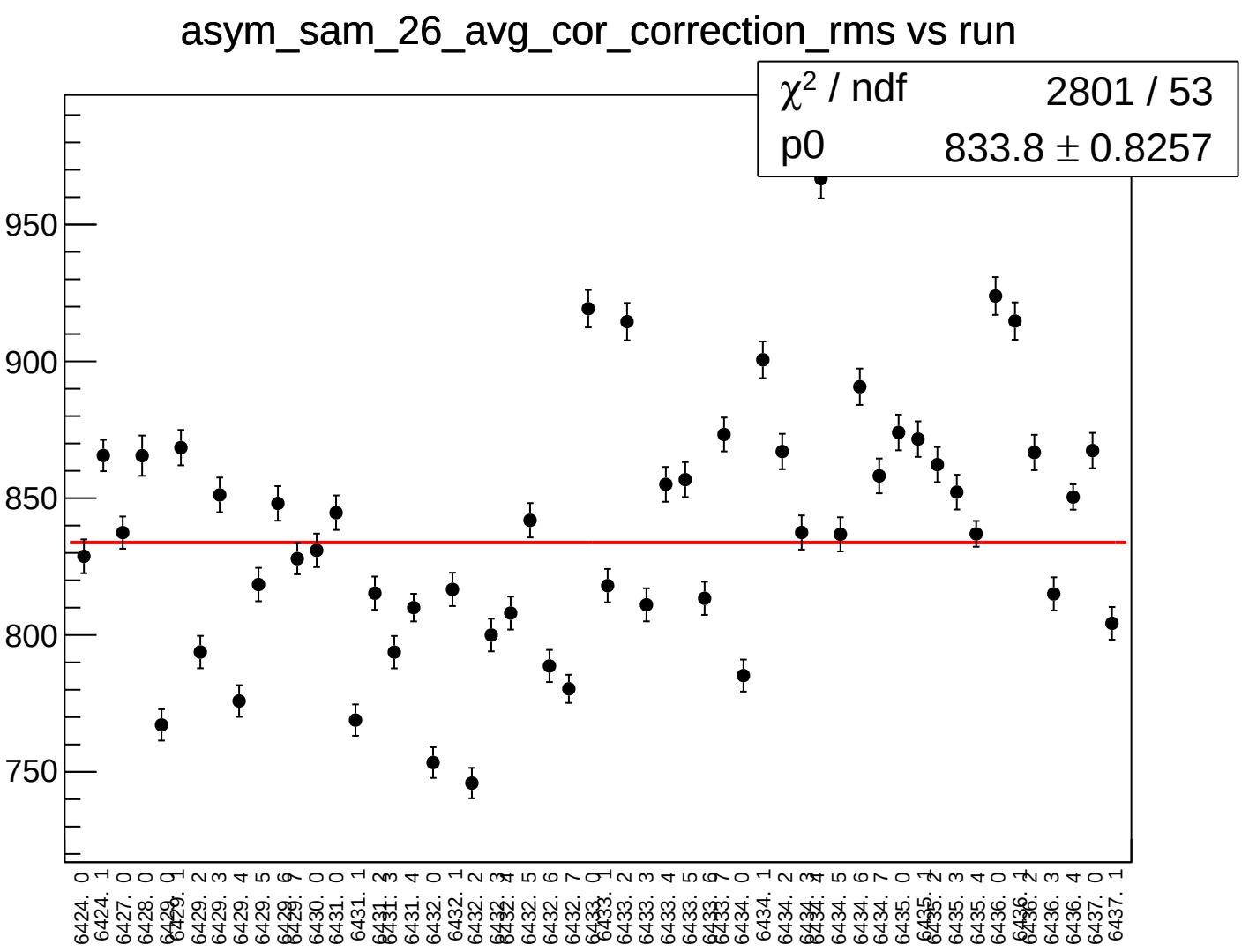

cor_asym_sam_26_avg_mean vs run
χ² / ndf 42.96 / 53
p0 −57.49 ± 130
pull
Entries 54
Mean 814.9
Std Dev 0

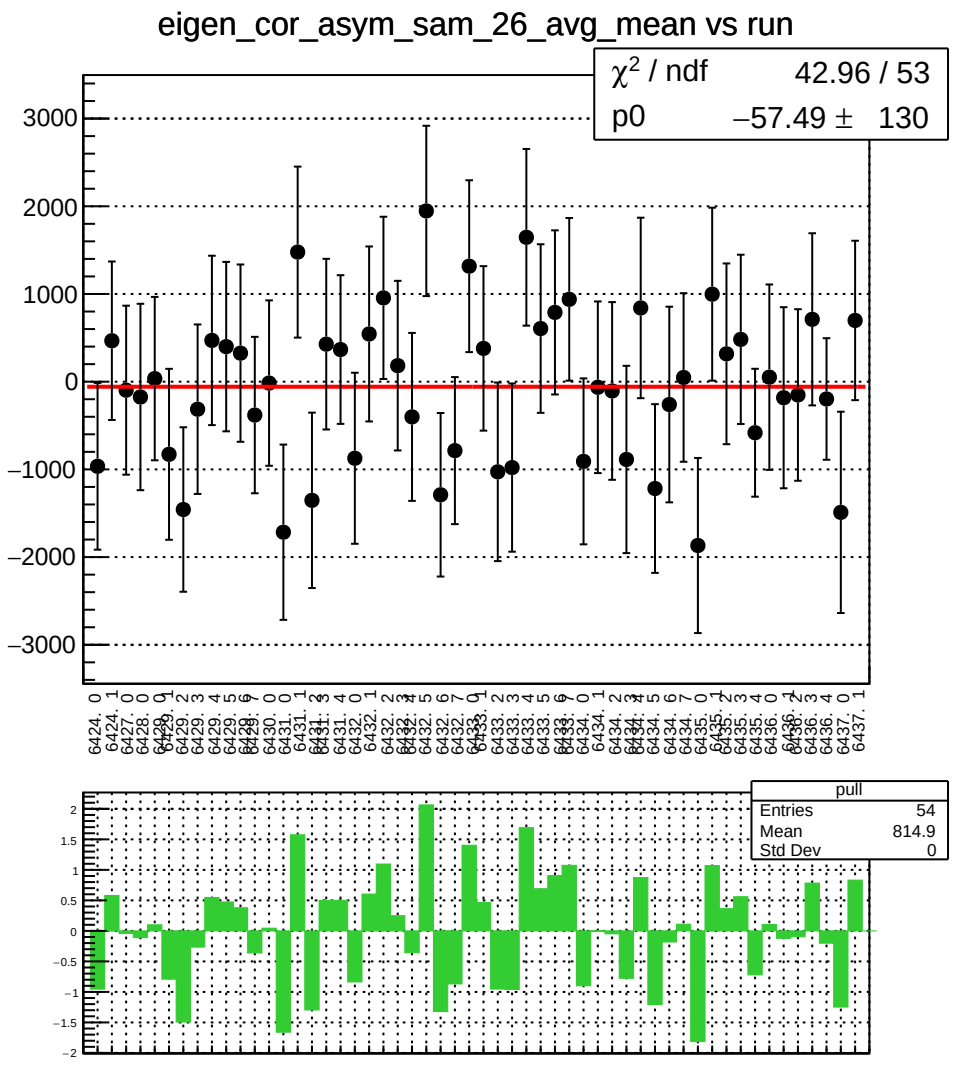

pull1D
Entries 54
Mean 0.0008062
Std Dev 0.892

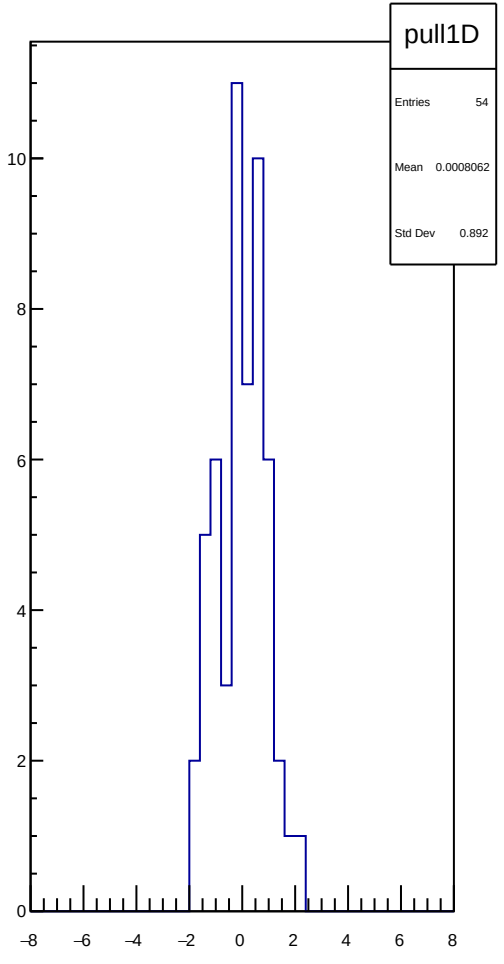

cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 1785 / 53
p0 92.88 ± 0.09193
110
105
100
95
90
85
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

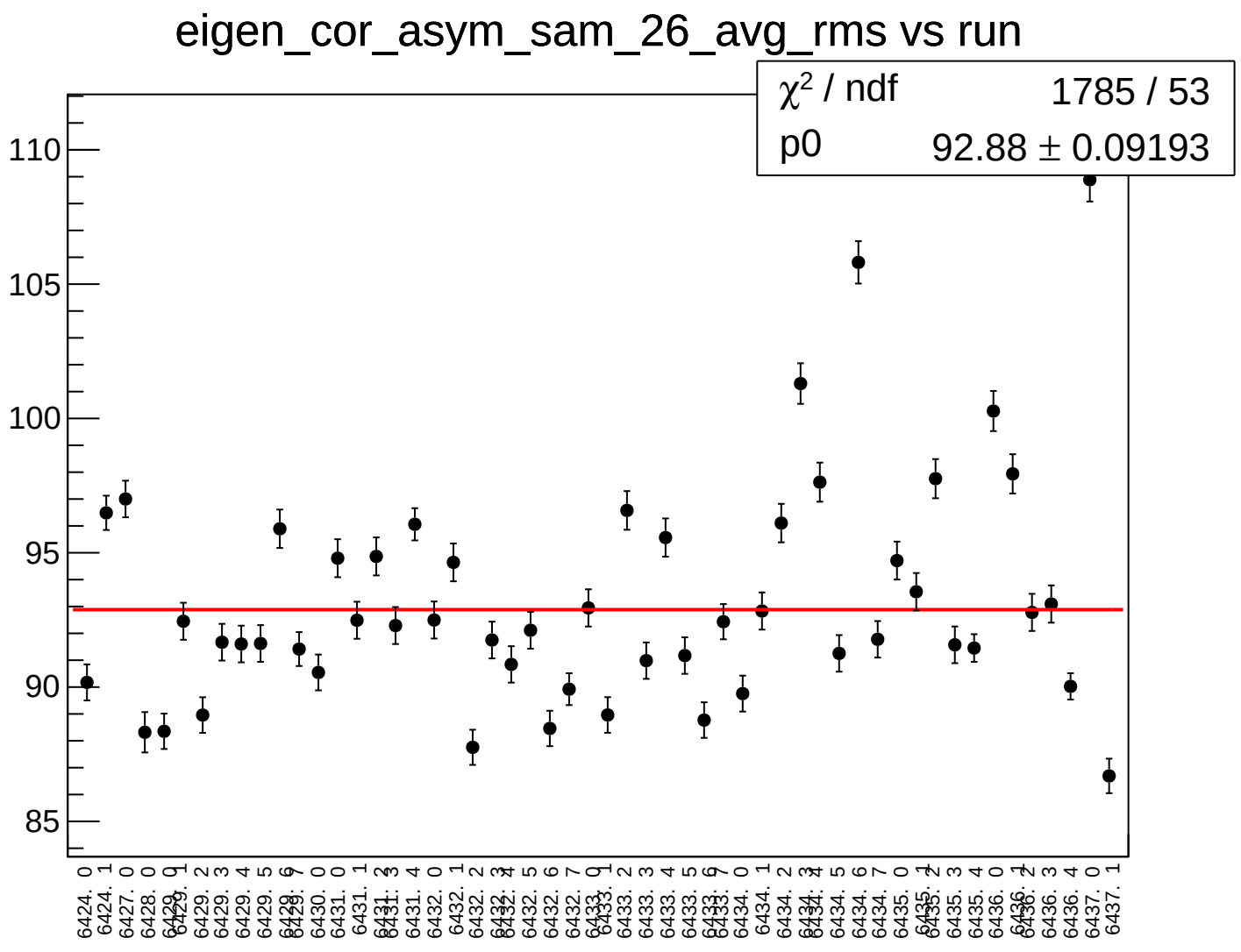

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 85.87 / 53
p0 1412 ± 1168
pull
Entries 54
Mean 7.526
Std Dev 0

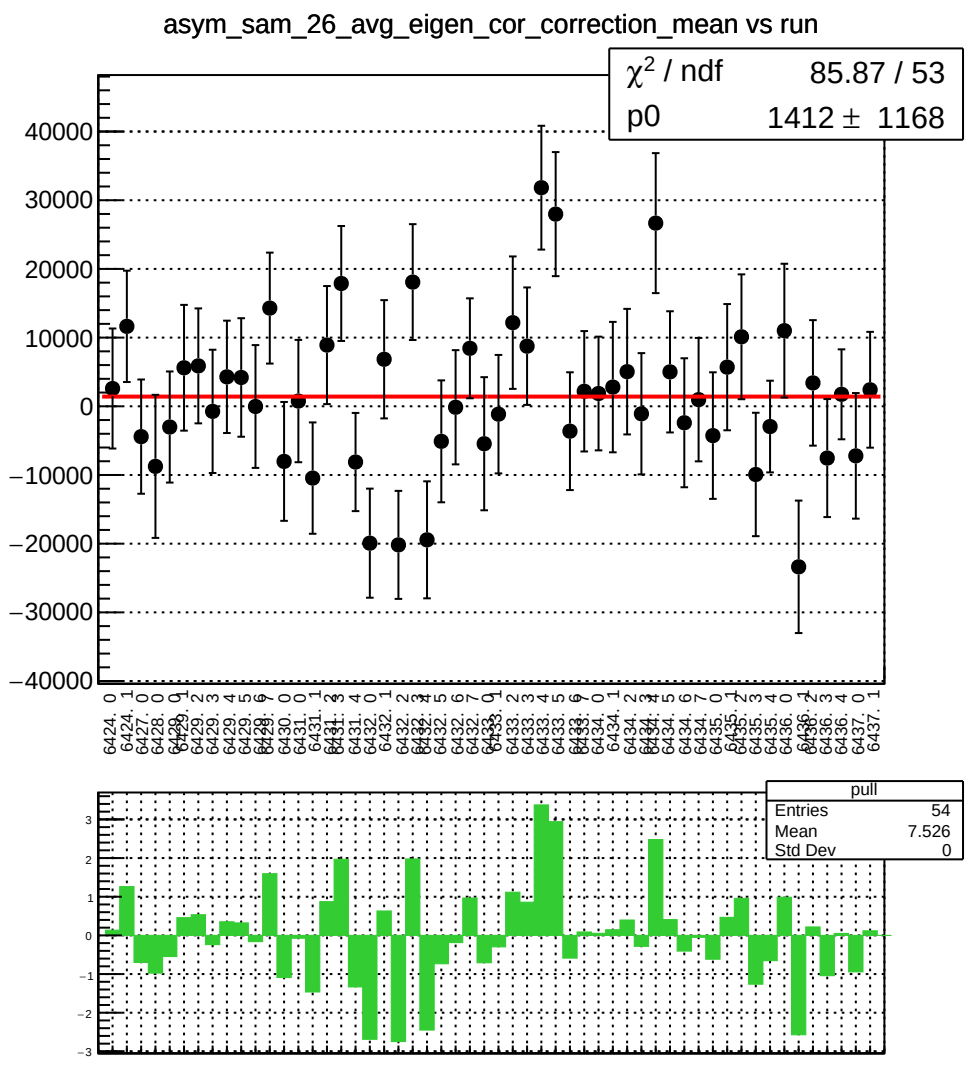

pull1D
Entries 54
Mean 0.01728
Std Dev 1.261

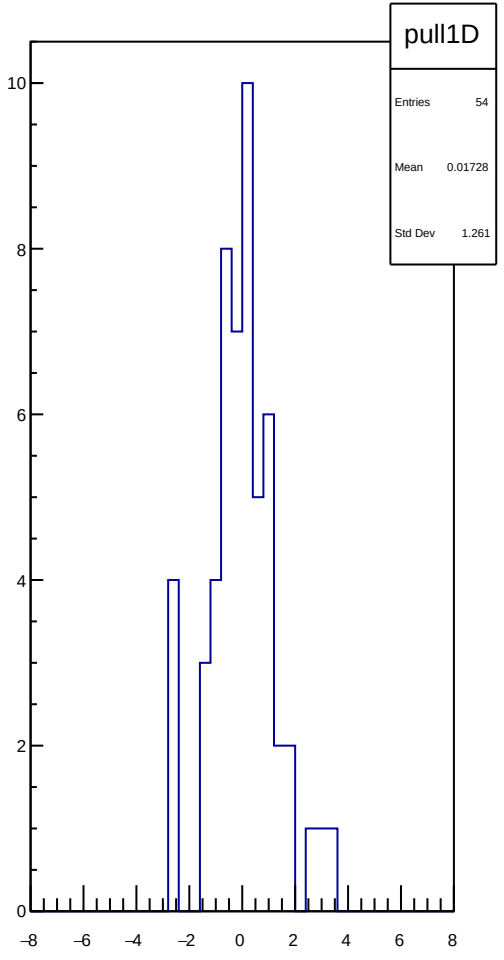

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 2801 / 53
p0 833.8 ± 0.8257
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

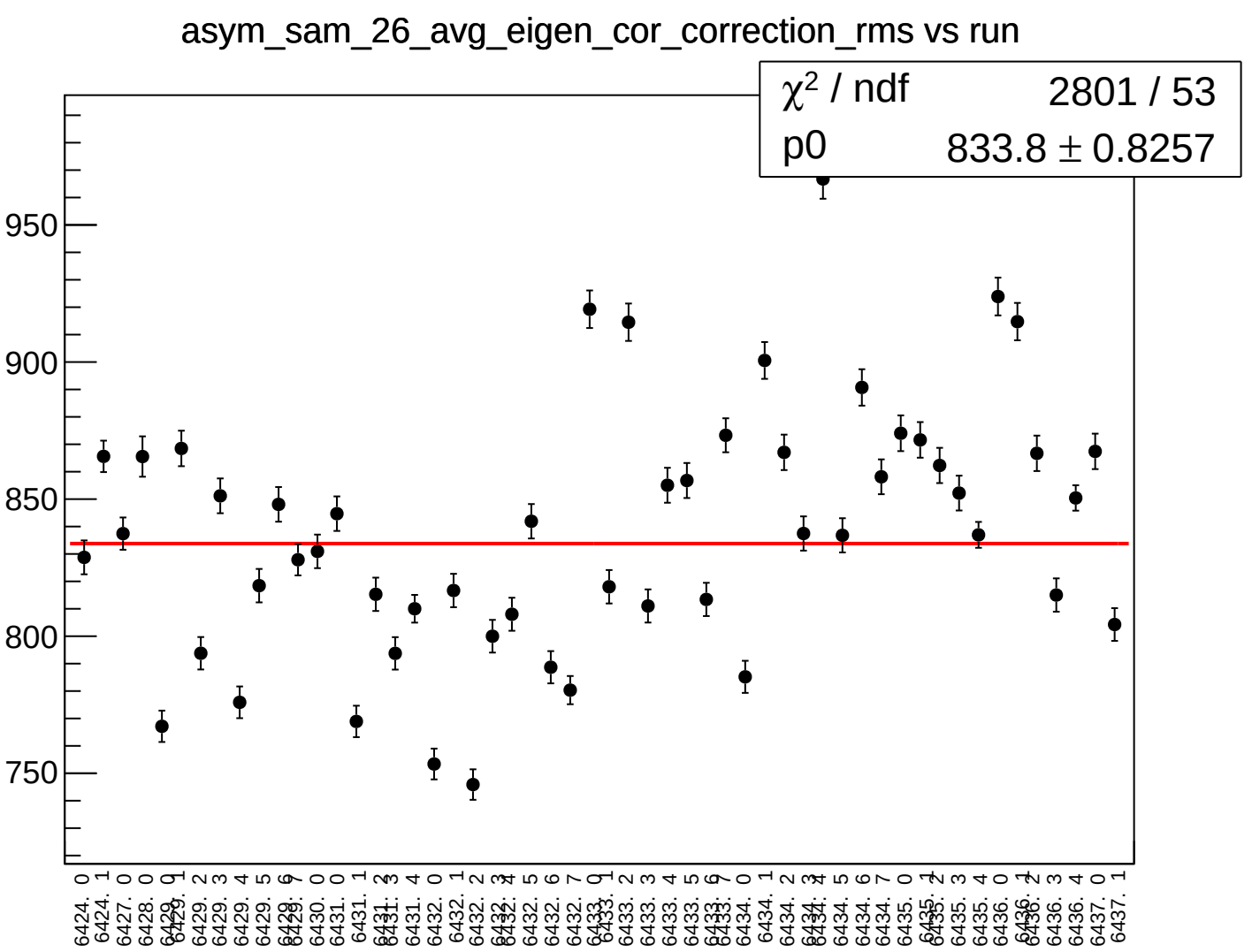

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 42.96 / 53
p0 −57.49 ± 130
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 814.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

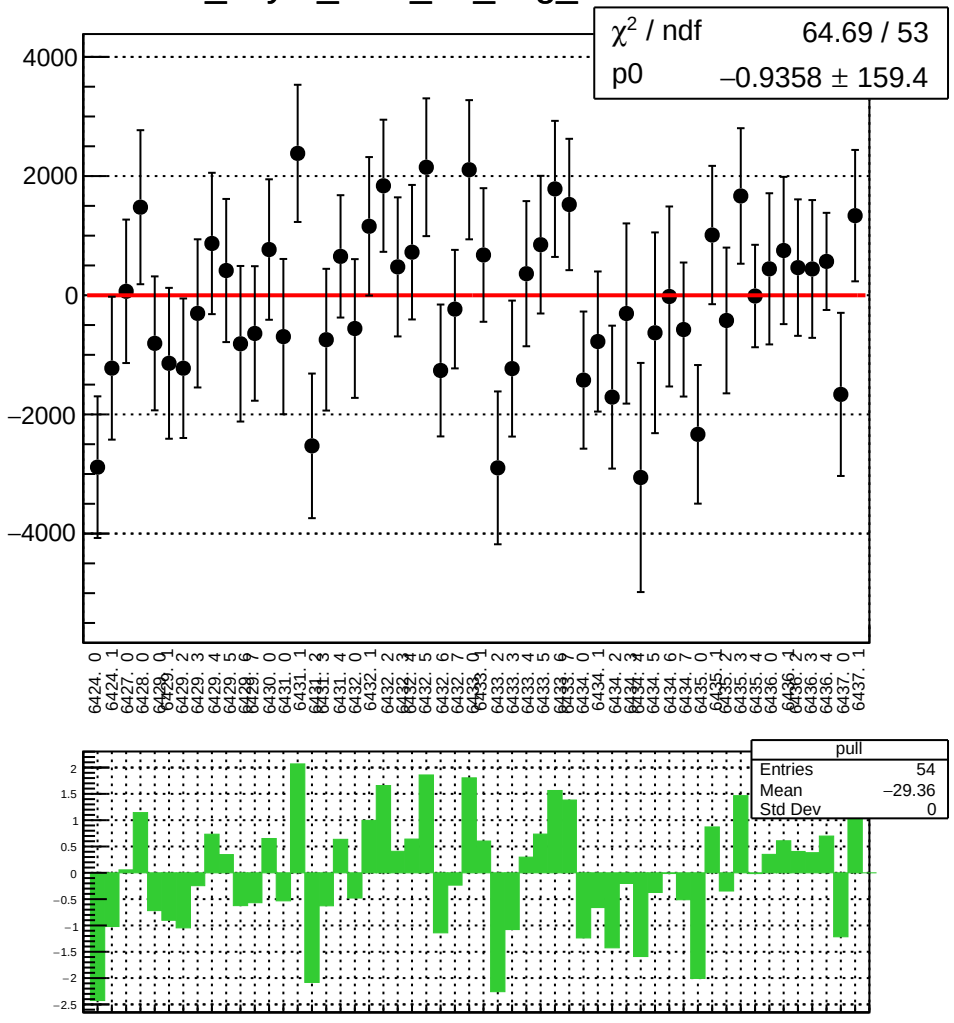

pull1D
Entries 54
Mean 0.0008062
Std Dev 0.892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

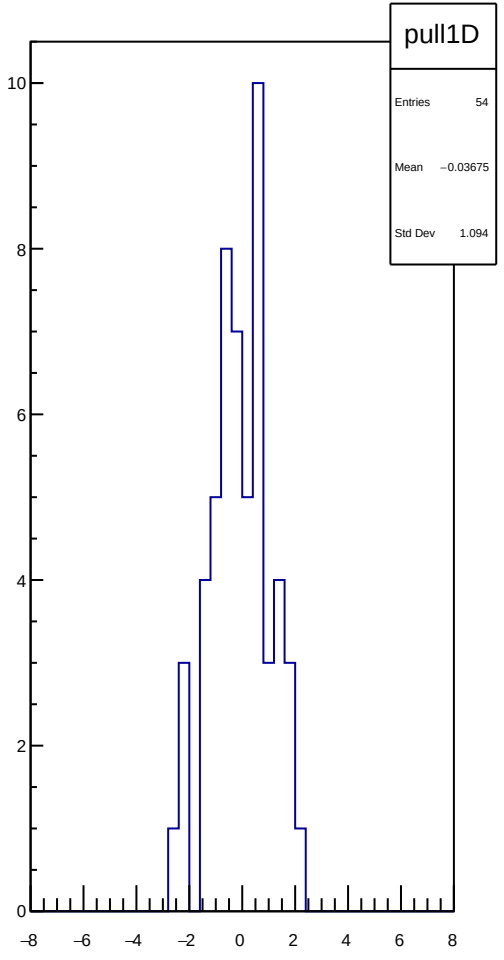

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1785 / 53
p0 92.88 ± 0.09193
110
105
100
95
90
85
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

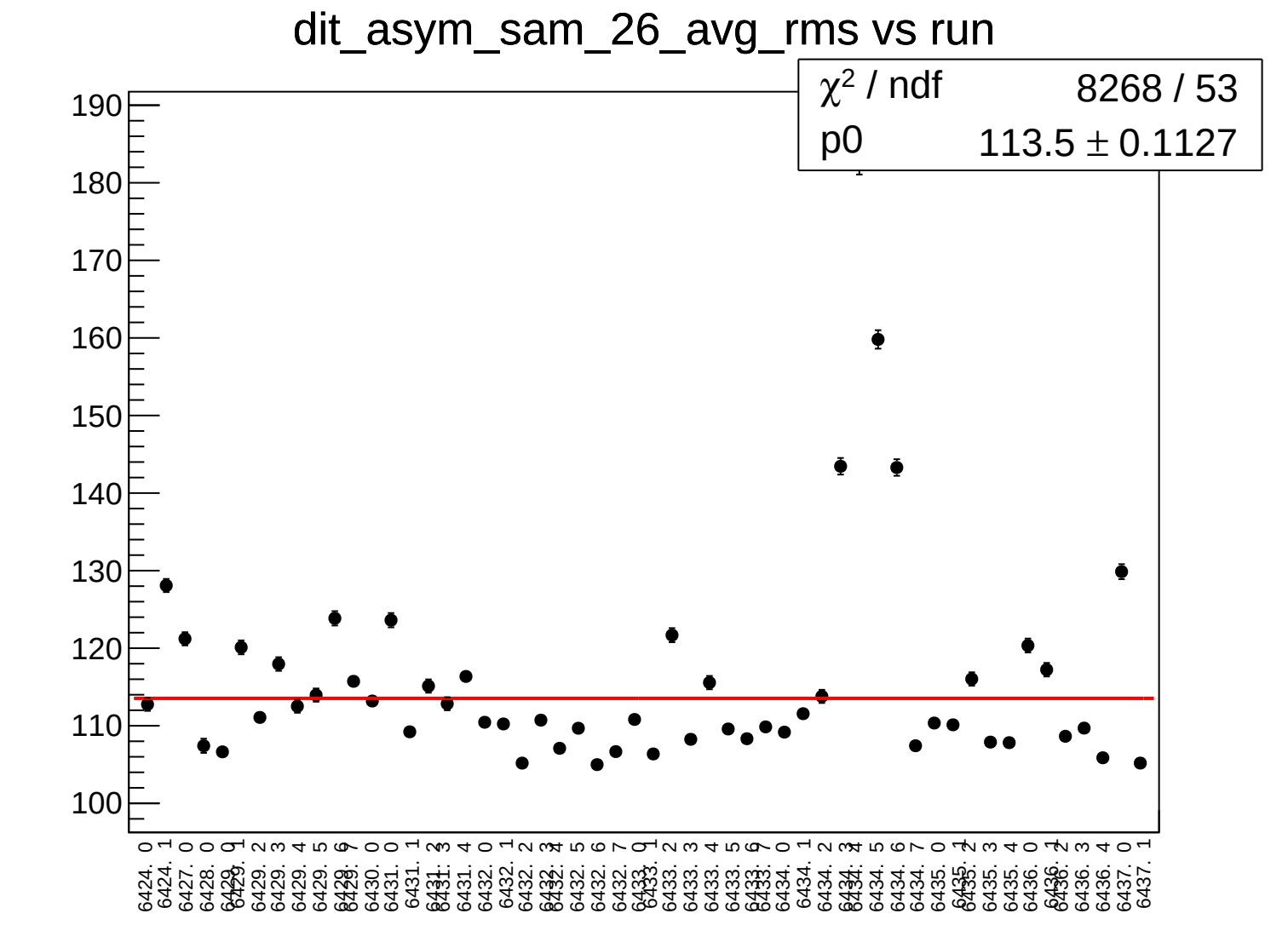

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.87 / 53
p0 1412 ± 1168
pull
Entries 54
Mean 7.526
Std Dev 0

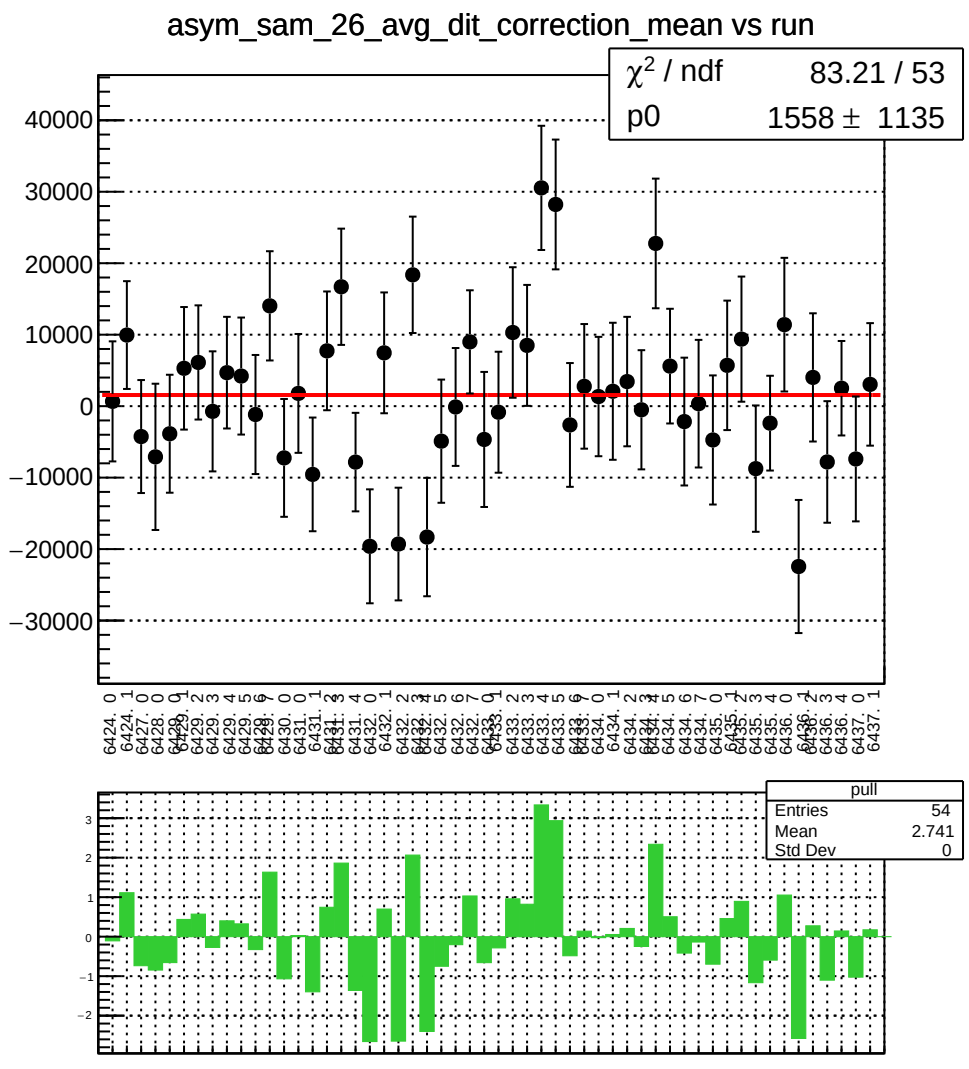

pull1D
Entries 54
Mean 0.01728
Std Dev 1.261

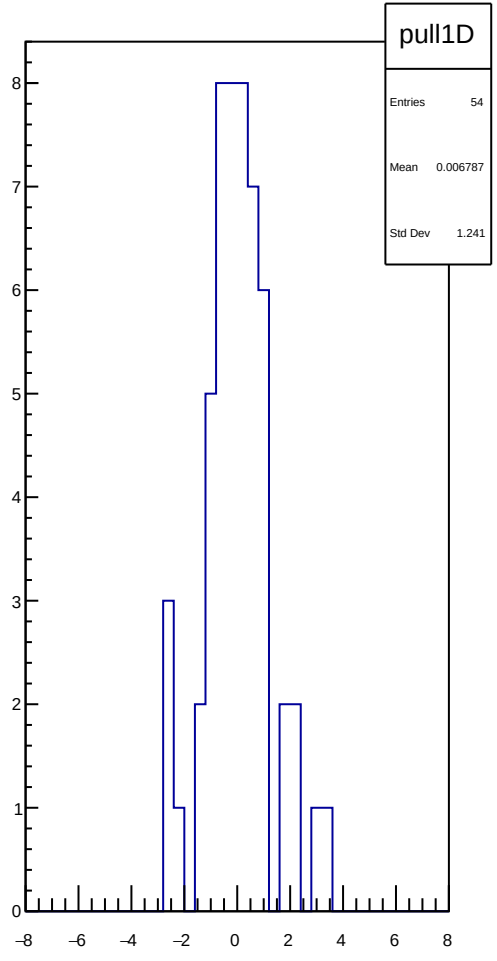

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 2801 / 53
p0 833.8 ± 0.8257
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

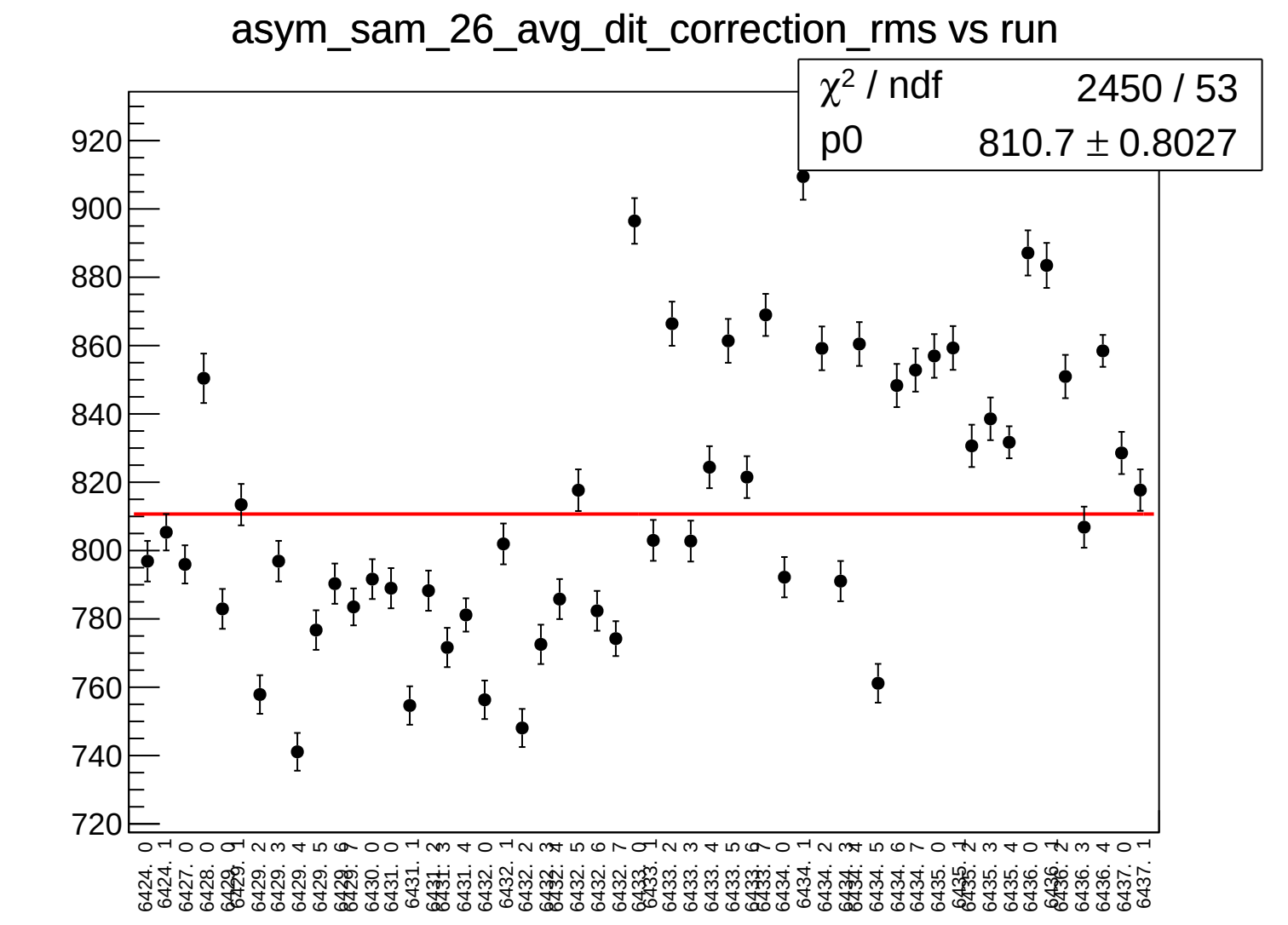

dit_asym_sam_26_avg_mean vs run
χ² / ndf 64.69 / 53
p0 −0.9358 ± 159.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −29.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

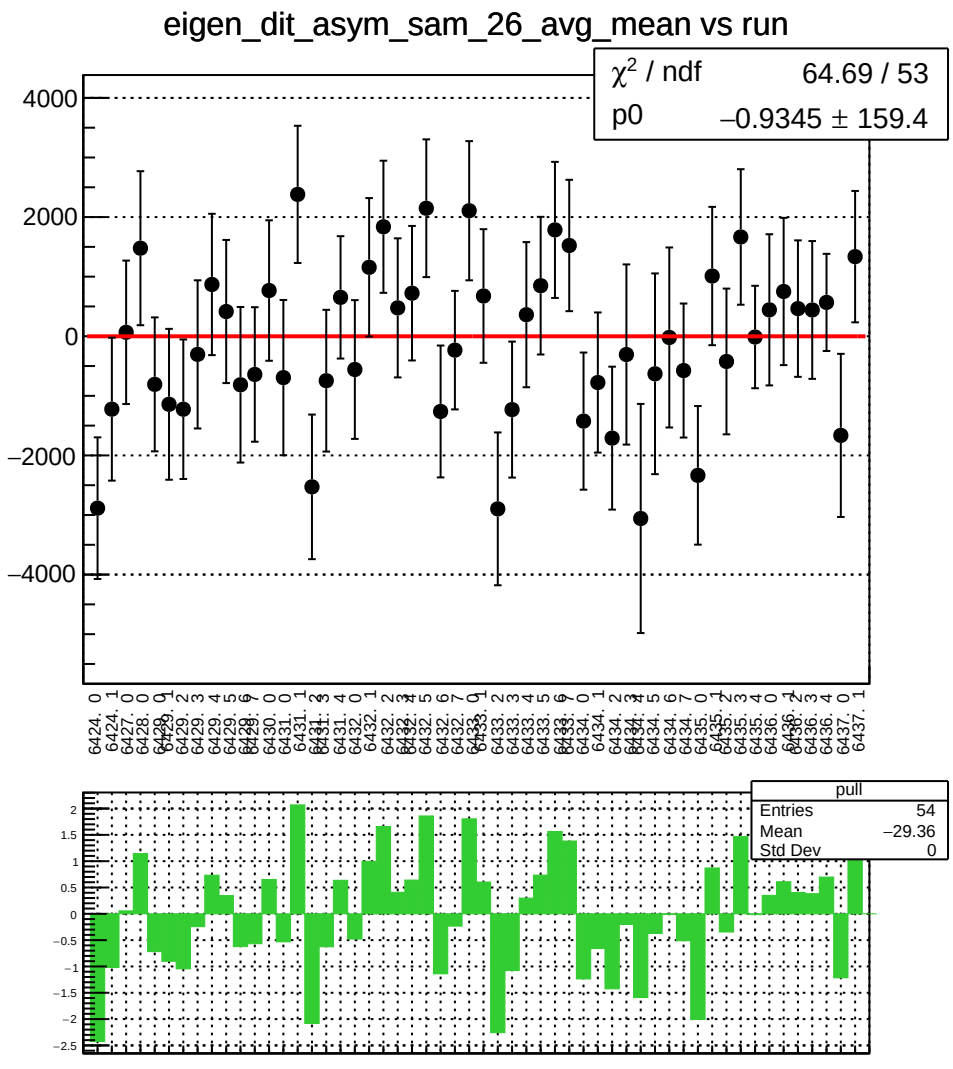

pull1D
Entries 54
Mean −0.03675
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

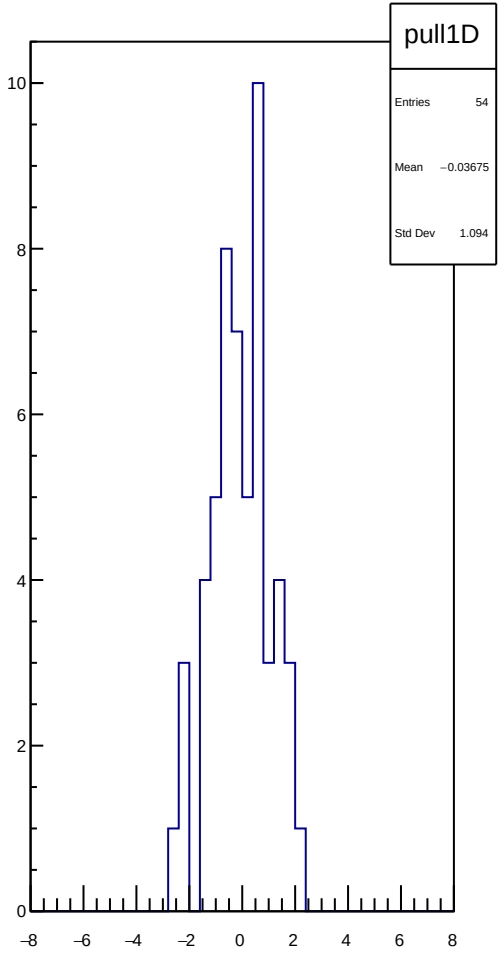

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 8268 / 53
p0 113.5 ± 0.1127
190
180
170
160
150
140
130
120
110
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

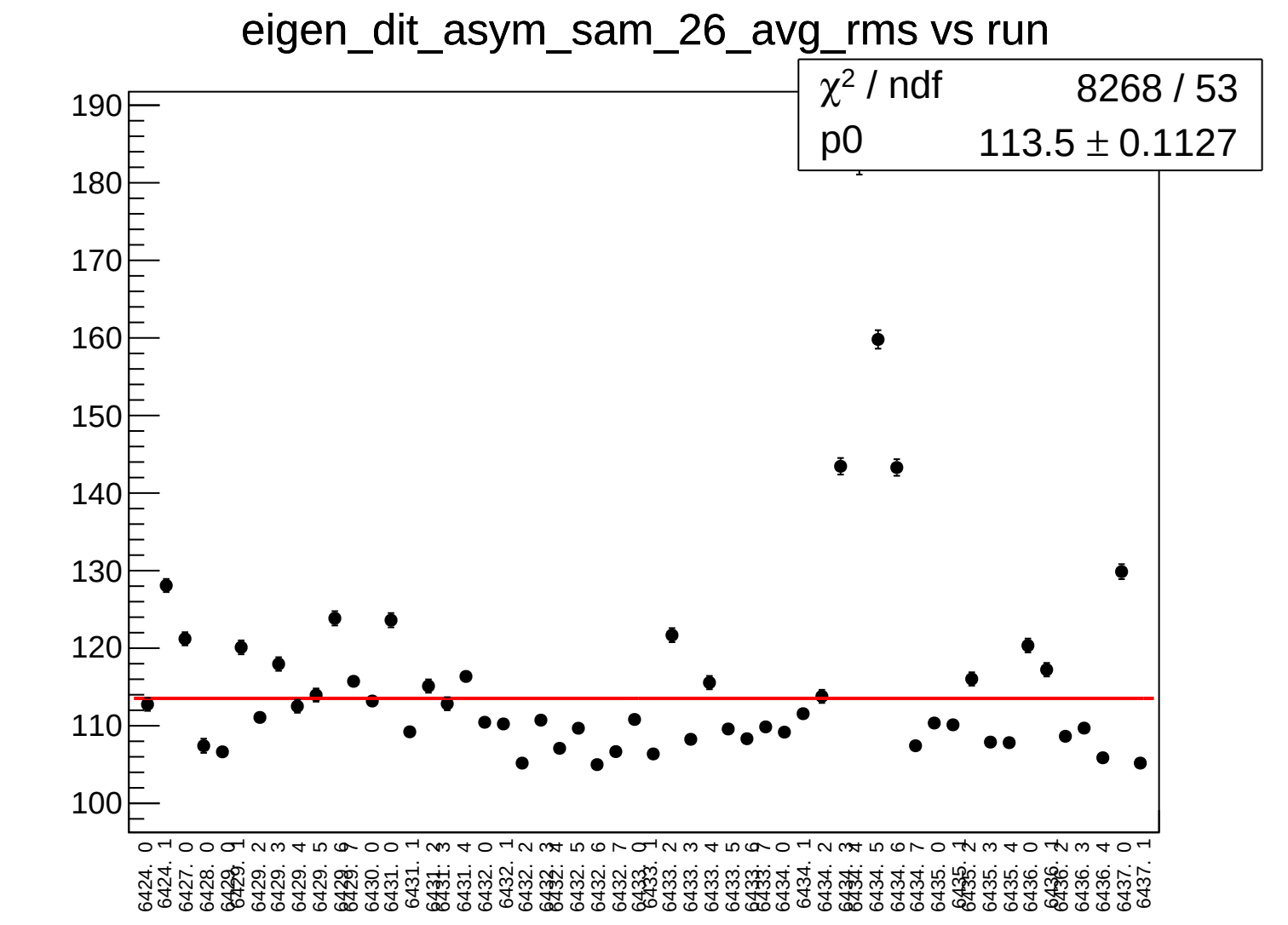

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 83.21 / 53
p0 1558 ± 1135
pull
Entries 54
Mean 2.741
Std Dev 0

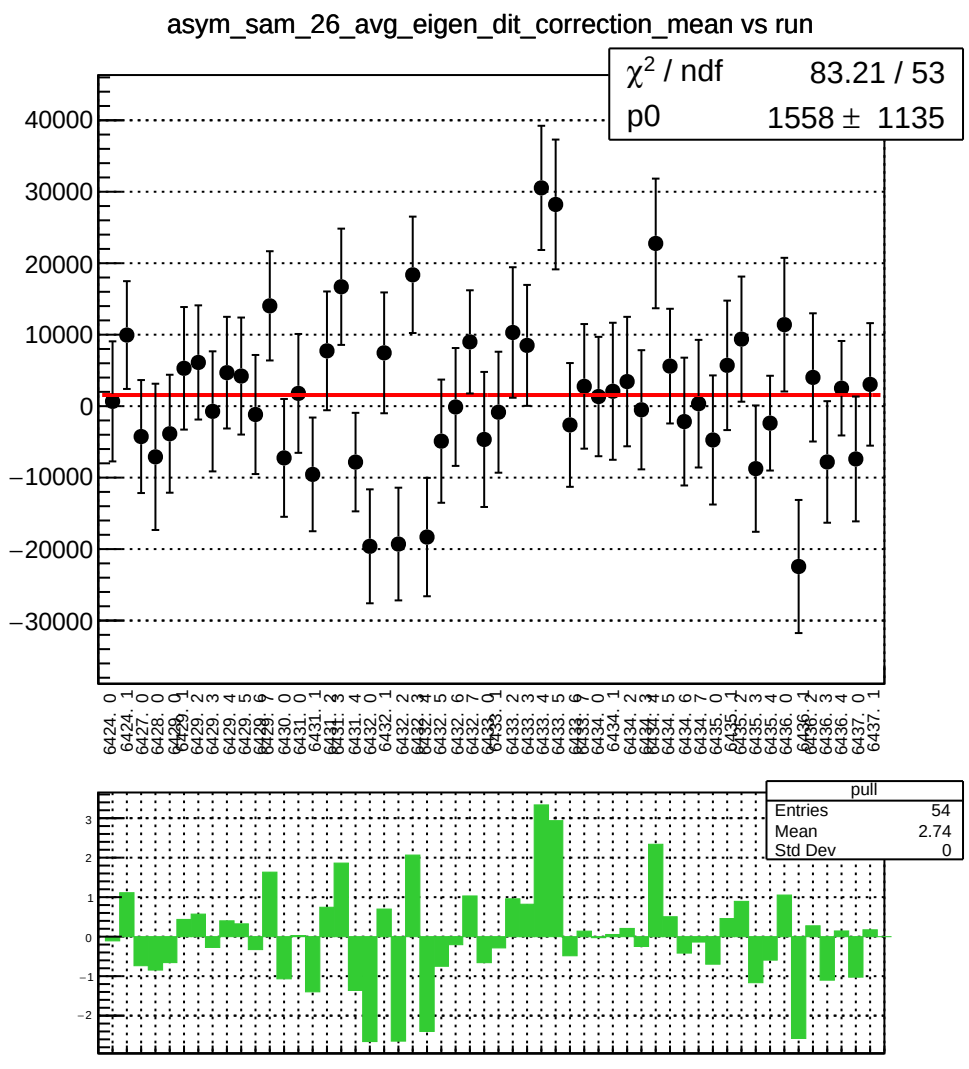

pull1D
Entries 54
Mean 0.006787
Std Dev 1.241

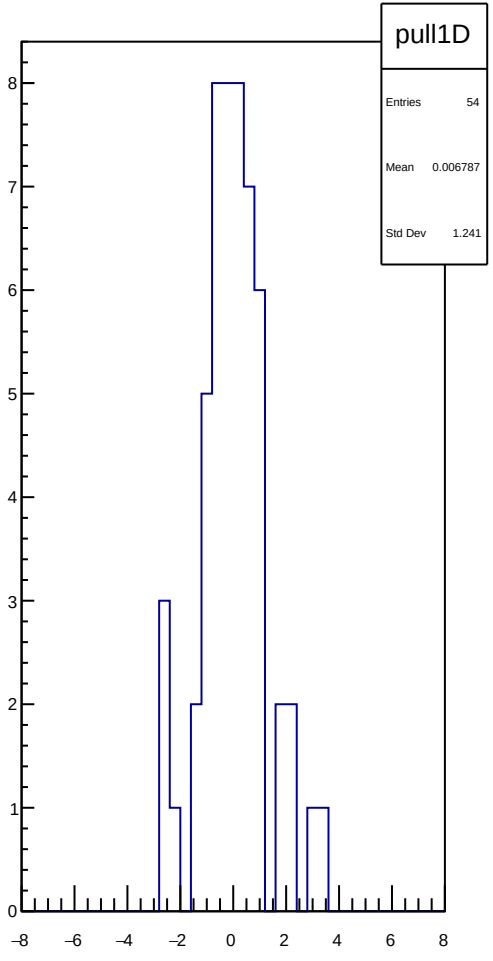

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2450 / 53
p0 810.7 ± 0.8027
920
900
880
860
840
820
800
780
760
740
720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

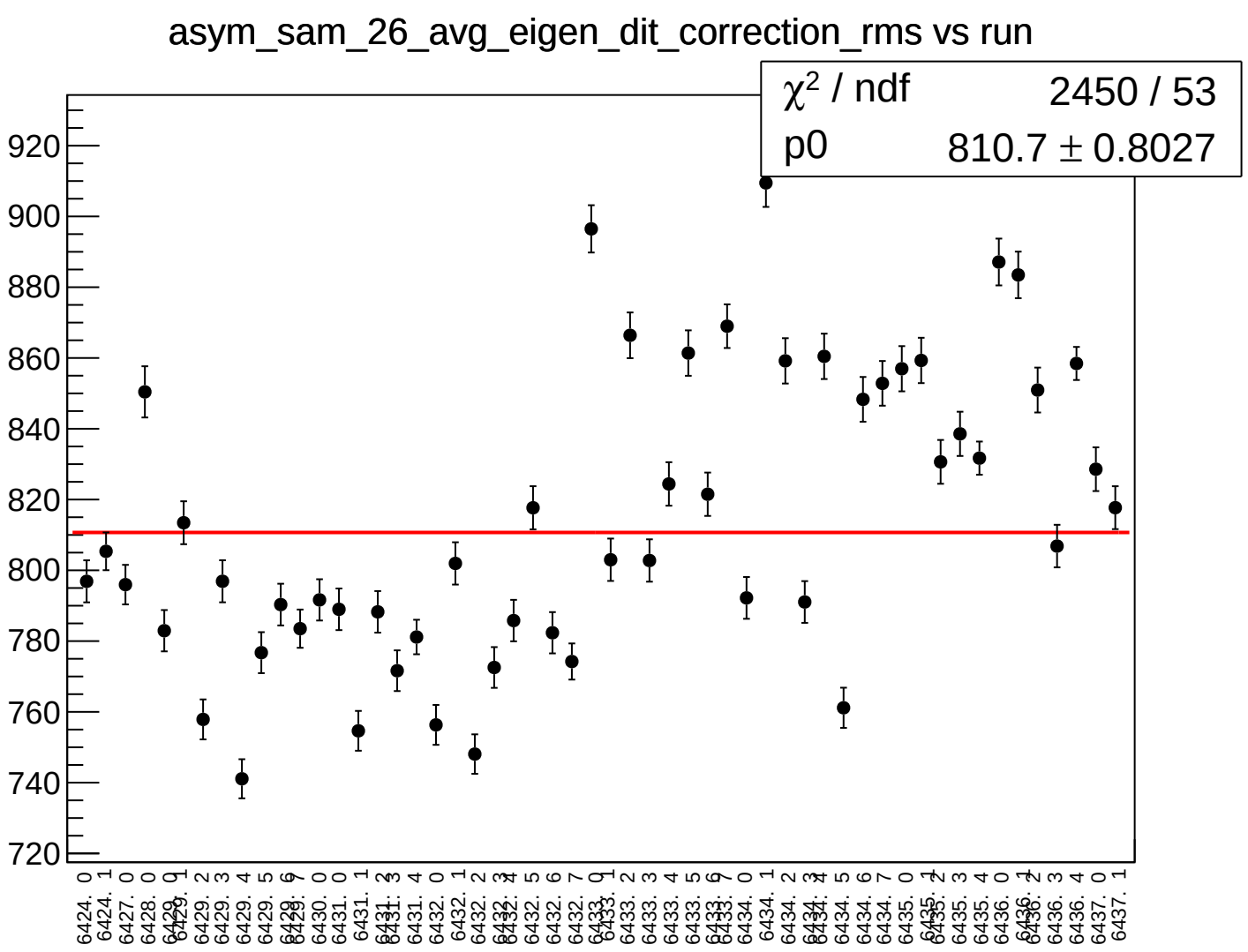

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 64.69 / 53
p0 −0.9345 ± 159.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −29.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

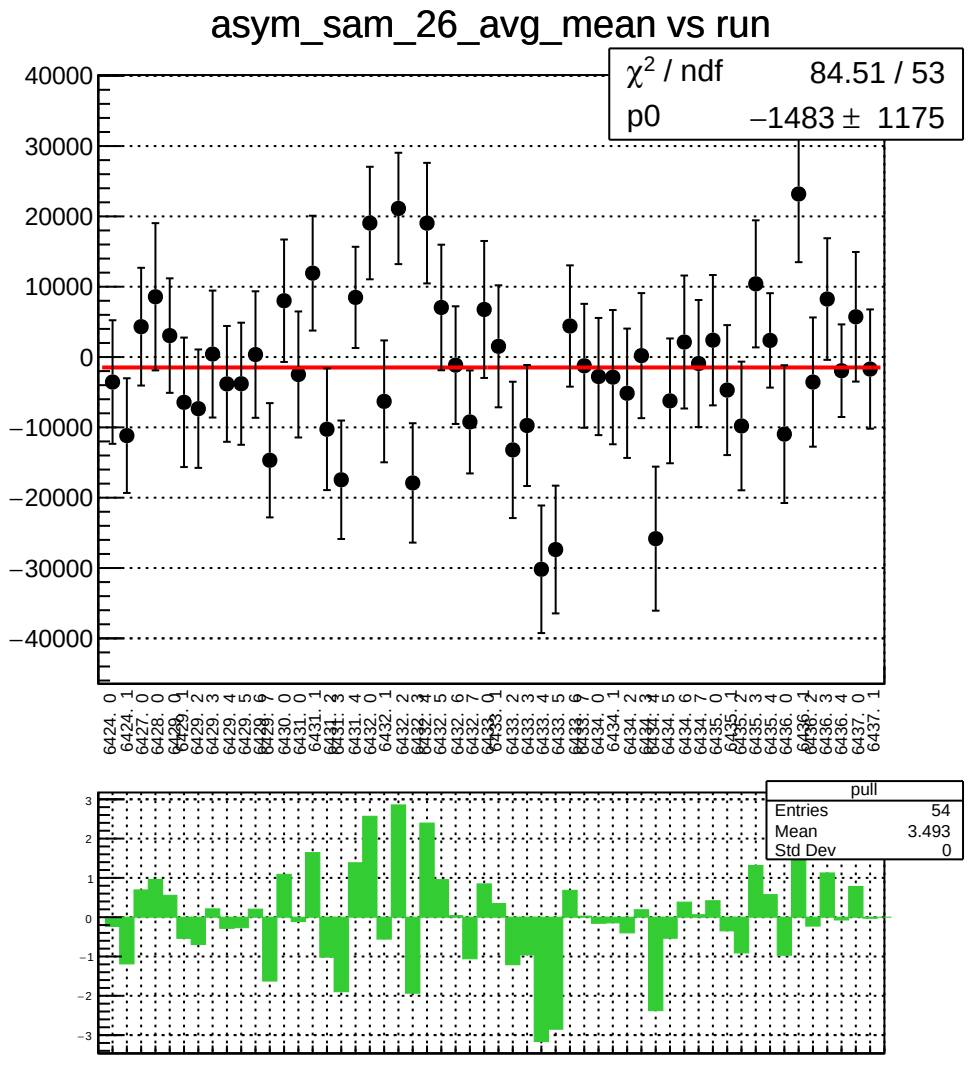

pull1D
Entries 54
Mean −0.03675
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

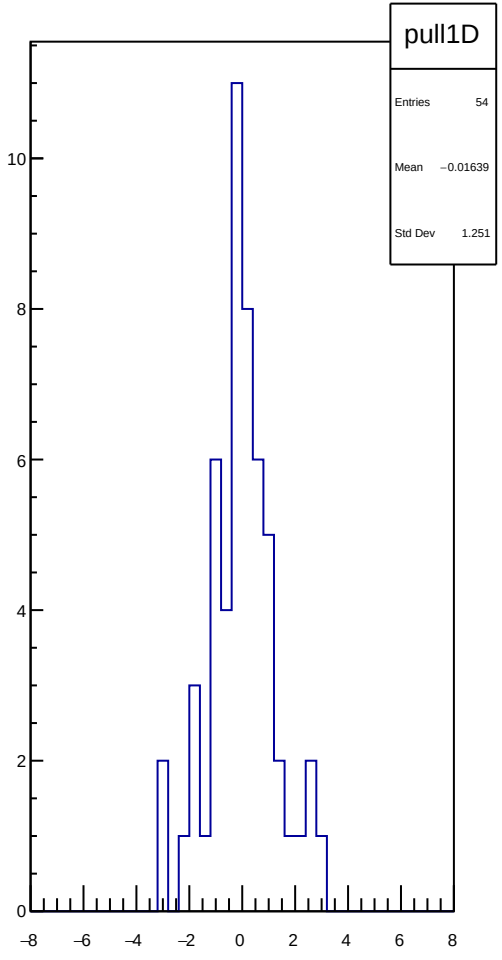

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 8268 / 53
p0 113.5 ± 0.1127
190
180
170
160
150
140
130
120
110
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

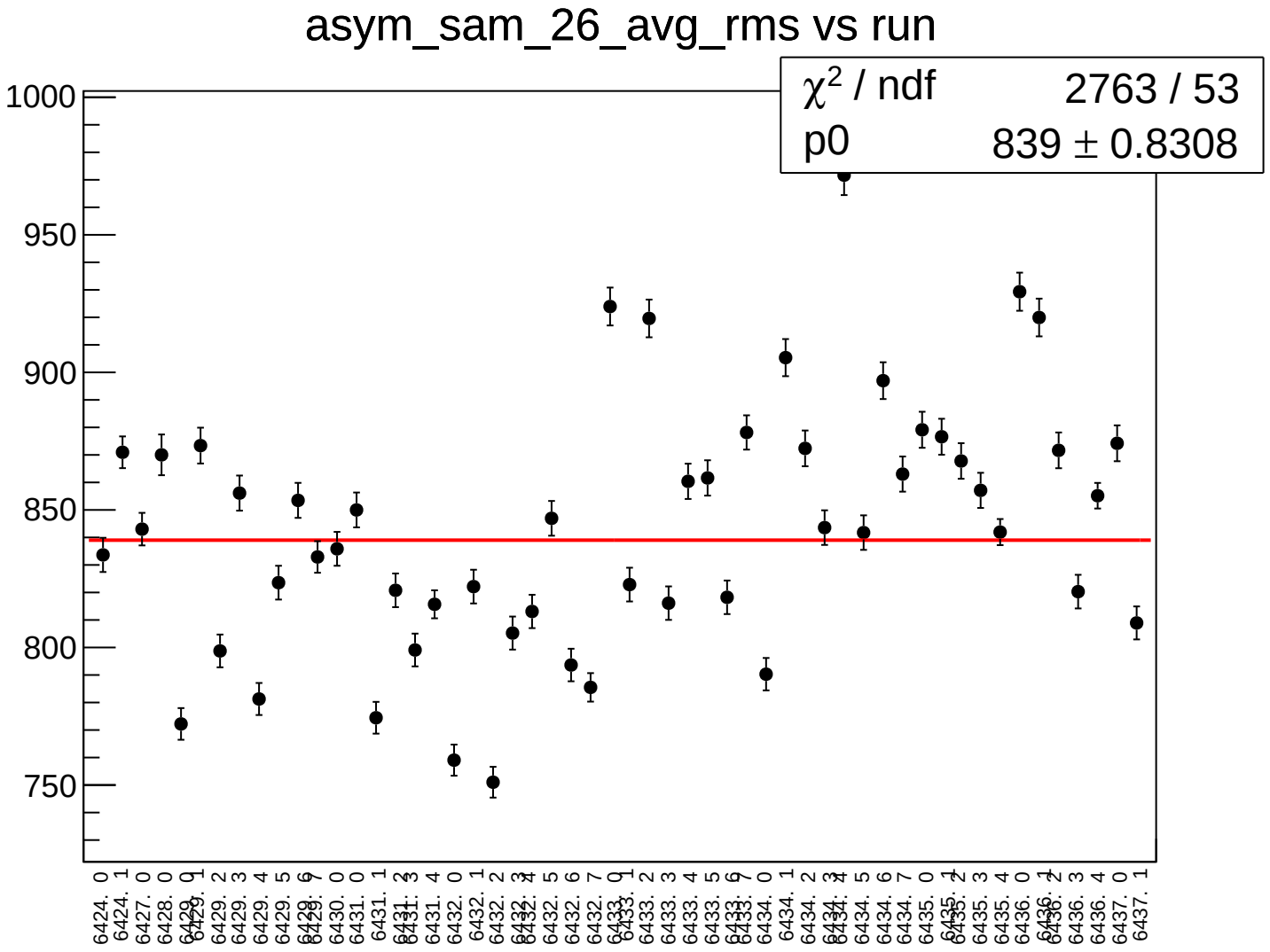

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.21 / 53
p0 1558 ± 1135
pull
Entries 54
Mean 2.74
Std Dev 0

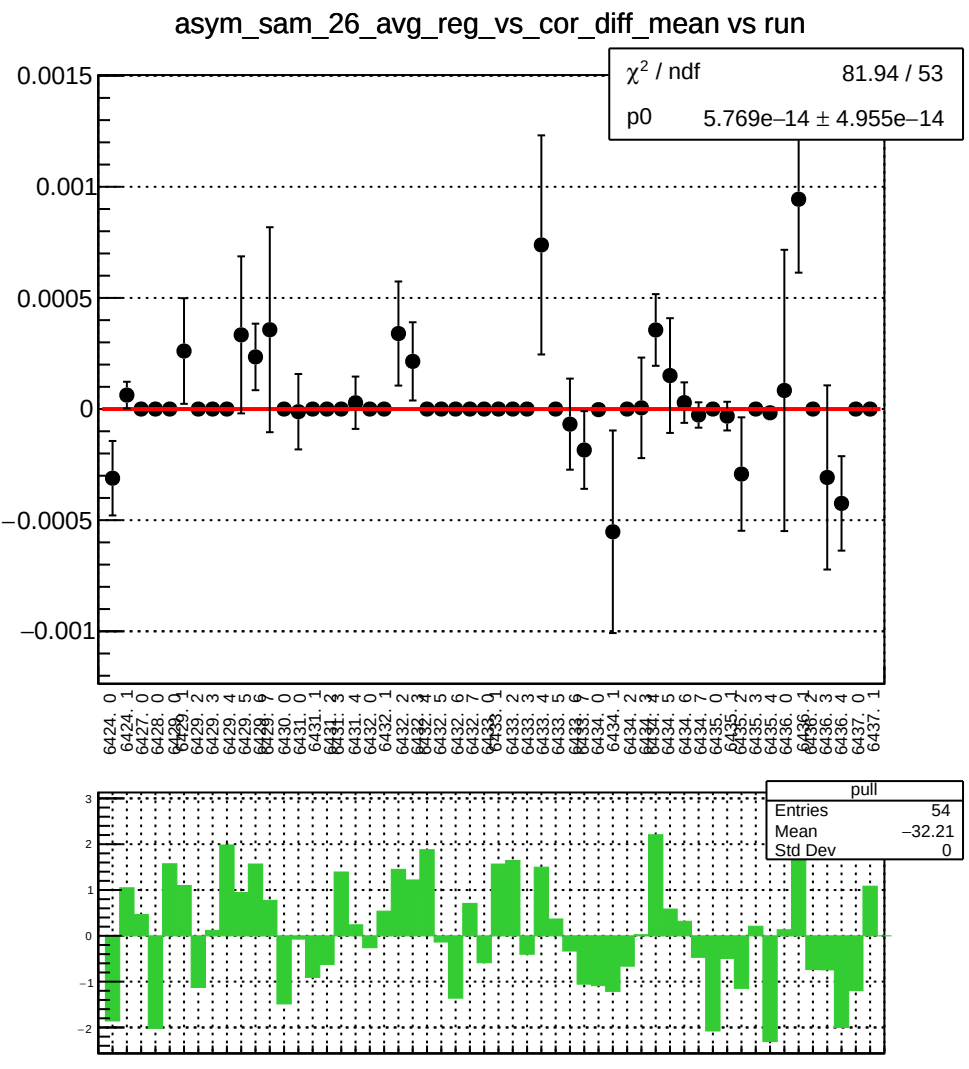

pull1D
Entries 54
Mean 0.006787
Std Dev 1.241

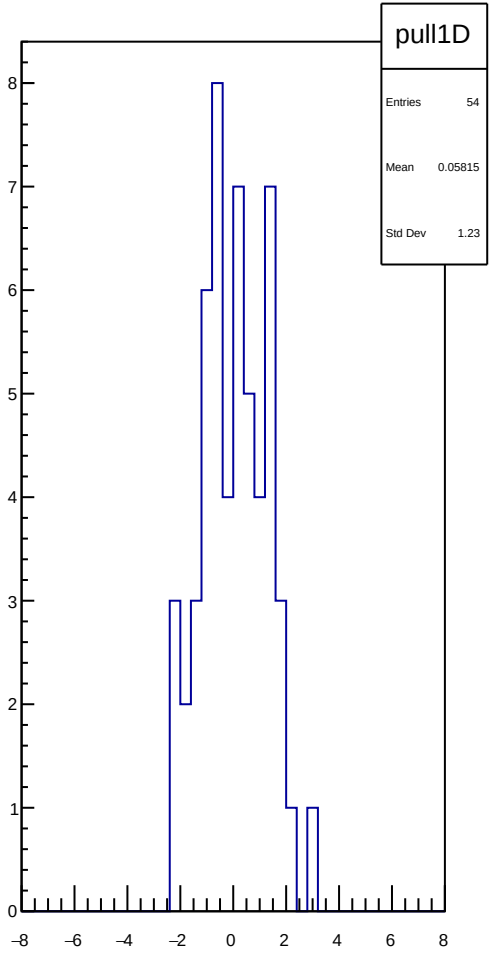

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 2450 / 53
p0 810.7 ± 0.8027
920
900
880
860
840
820
800
780
760
740
720
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

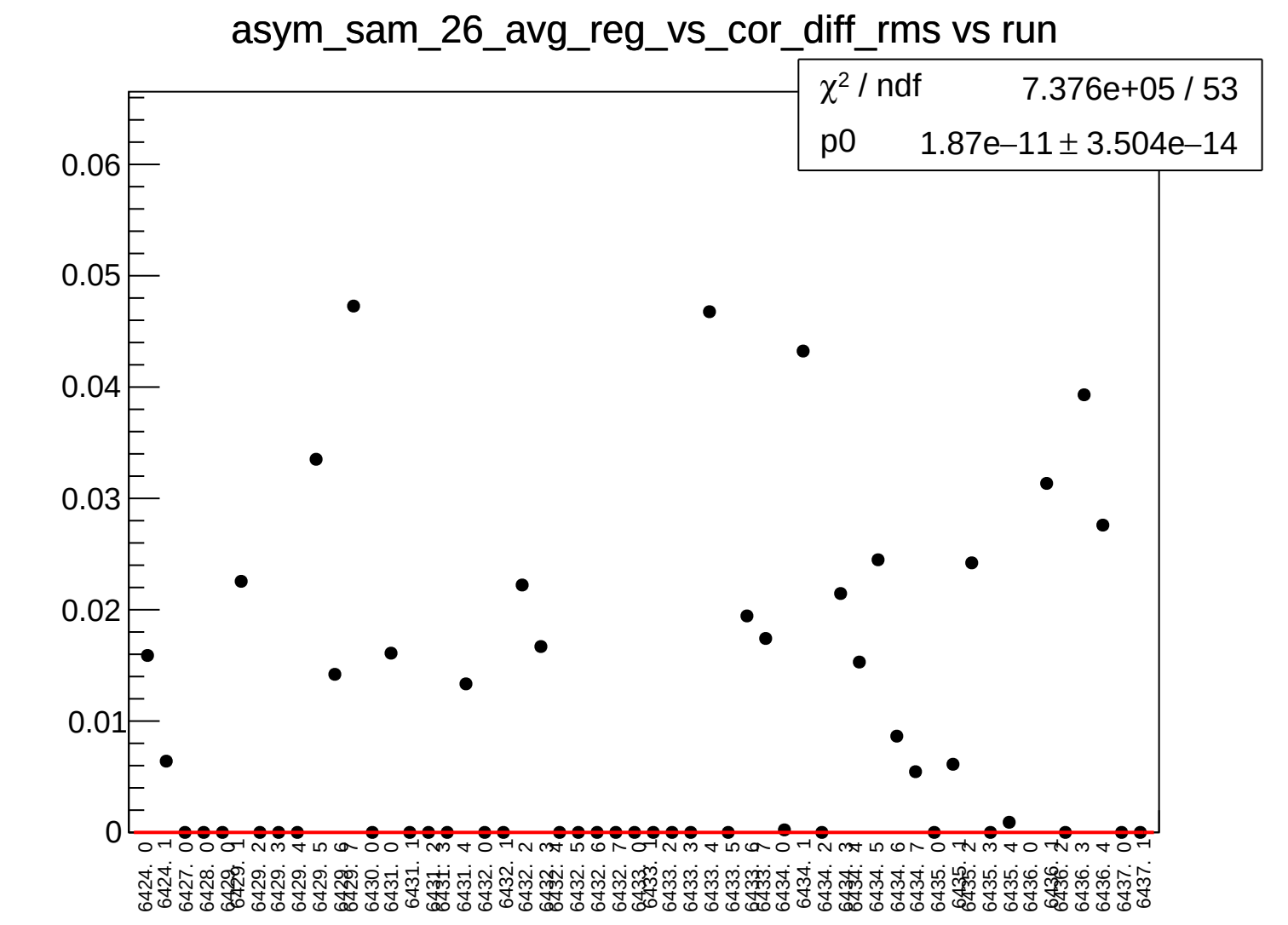

asym_sam_26_avg_mean vs run
χ² / ndf 84.51 / 53
p0 −1483 ± 1175
pull
Entries 54
Mean 3.493
Std Dev 0

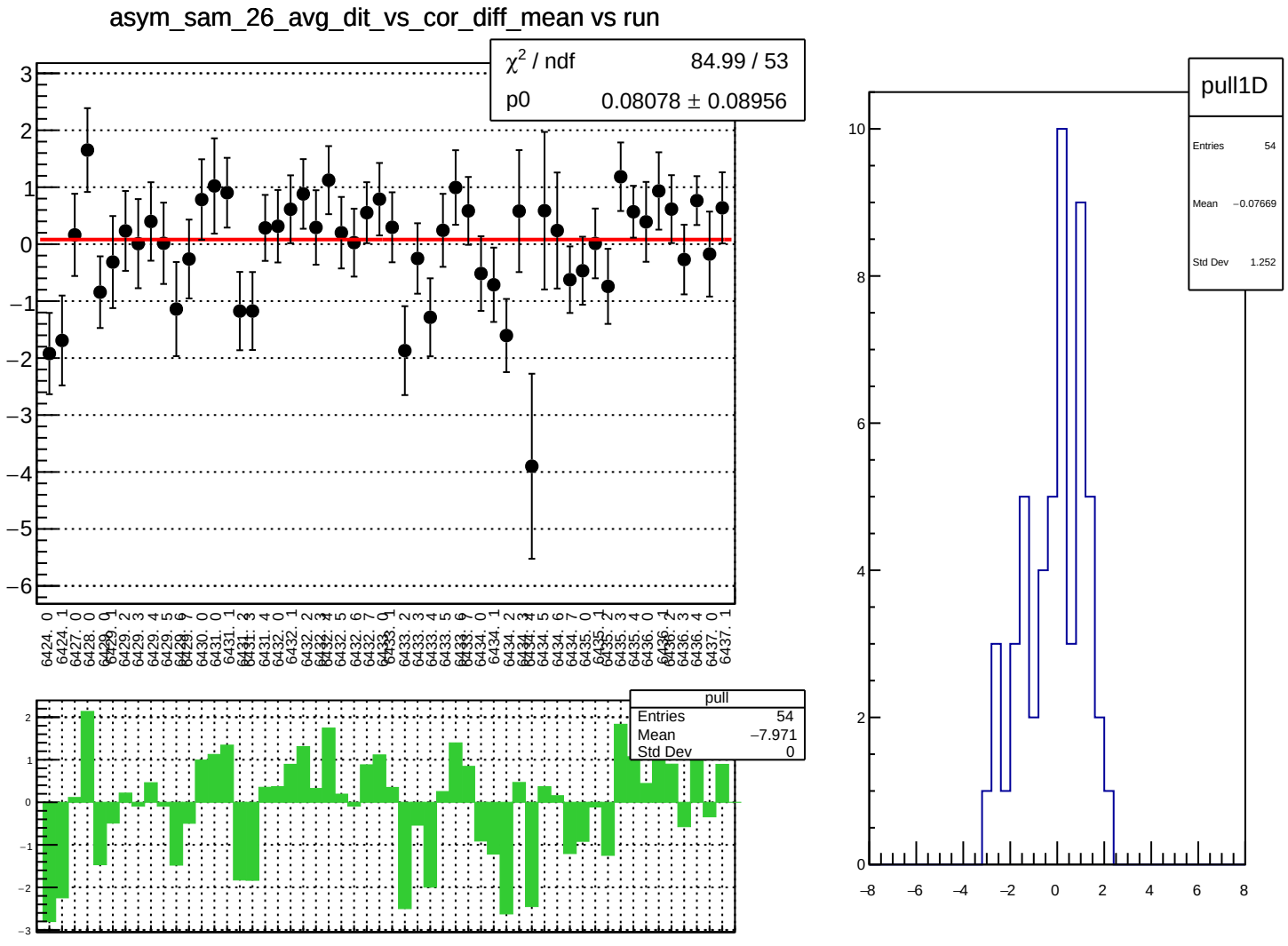

pull1D
Entries 54
Mean −0.01639
Std Dev 1.251

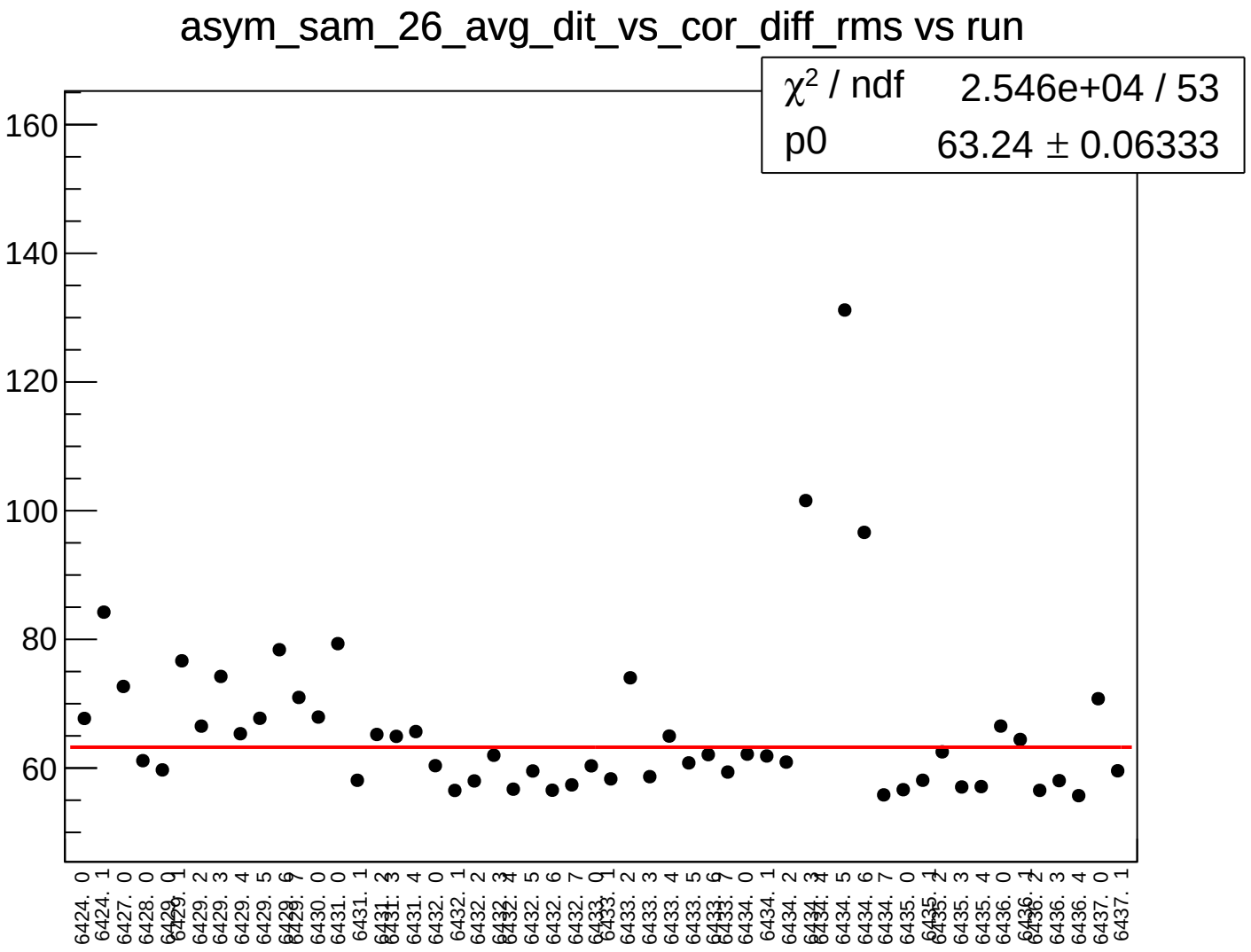

asym_sam_26_avg_rms vs run
χ² / ndf 2763 / 53
p0 839 ± 0.8308
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

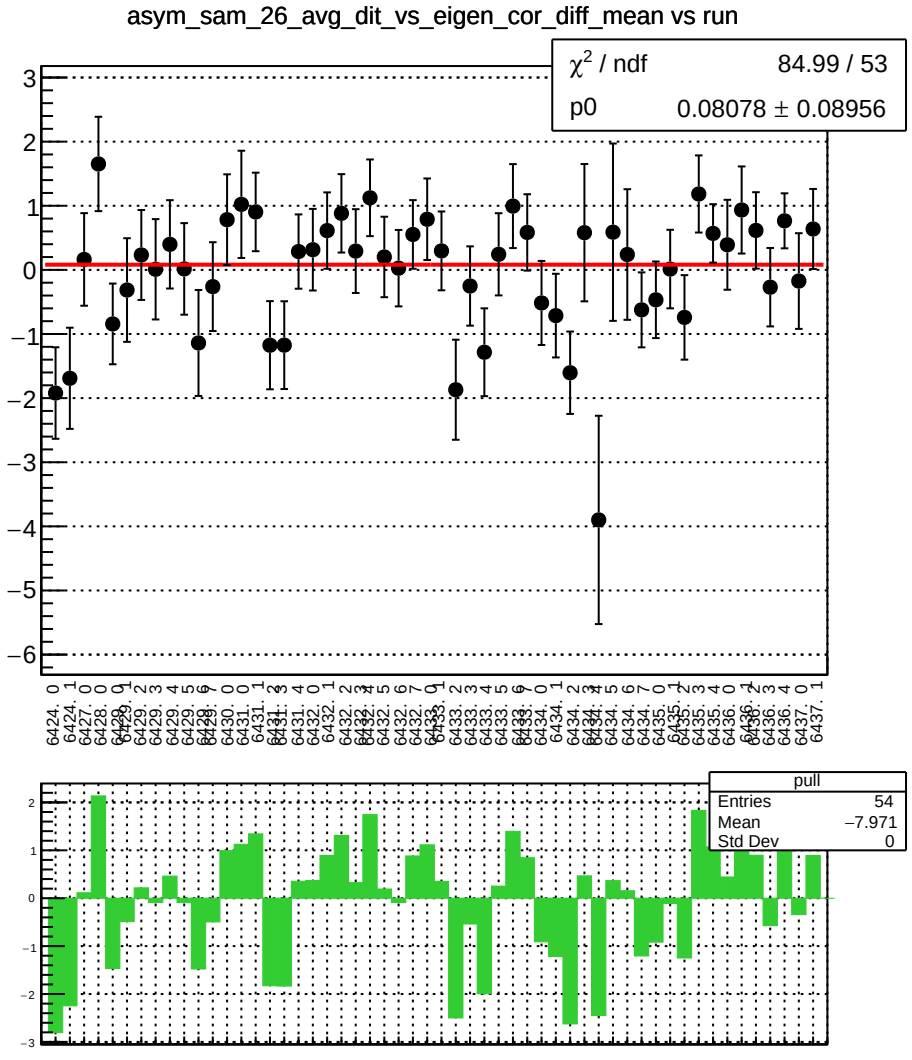

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.94 / 53
p0 5.769e−14 ± 4.955e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean −32.21
Std Dev 0

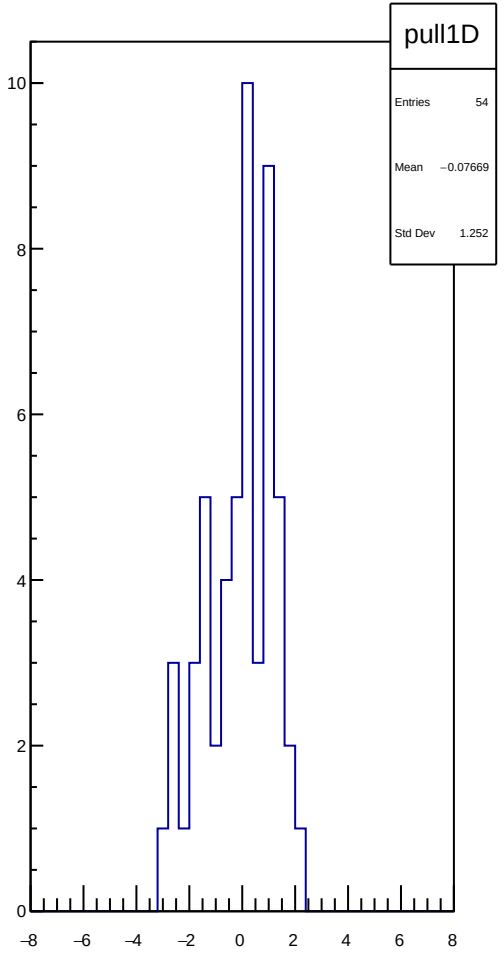

pull1D
Entries 54
Mean 0.05815
Std Dev 1.23

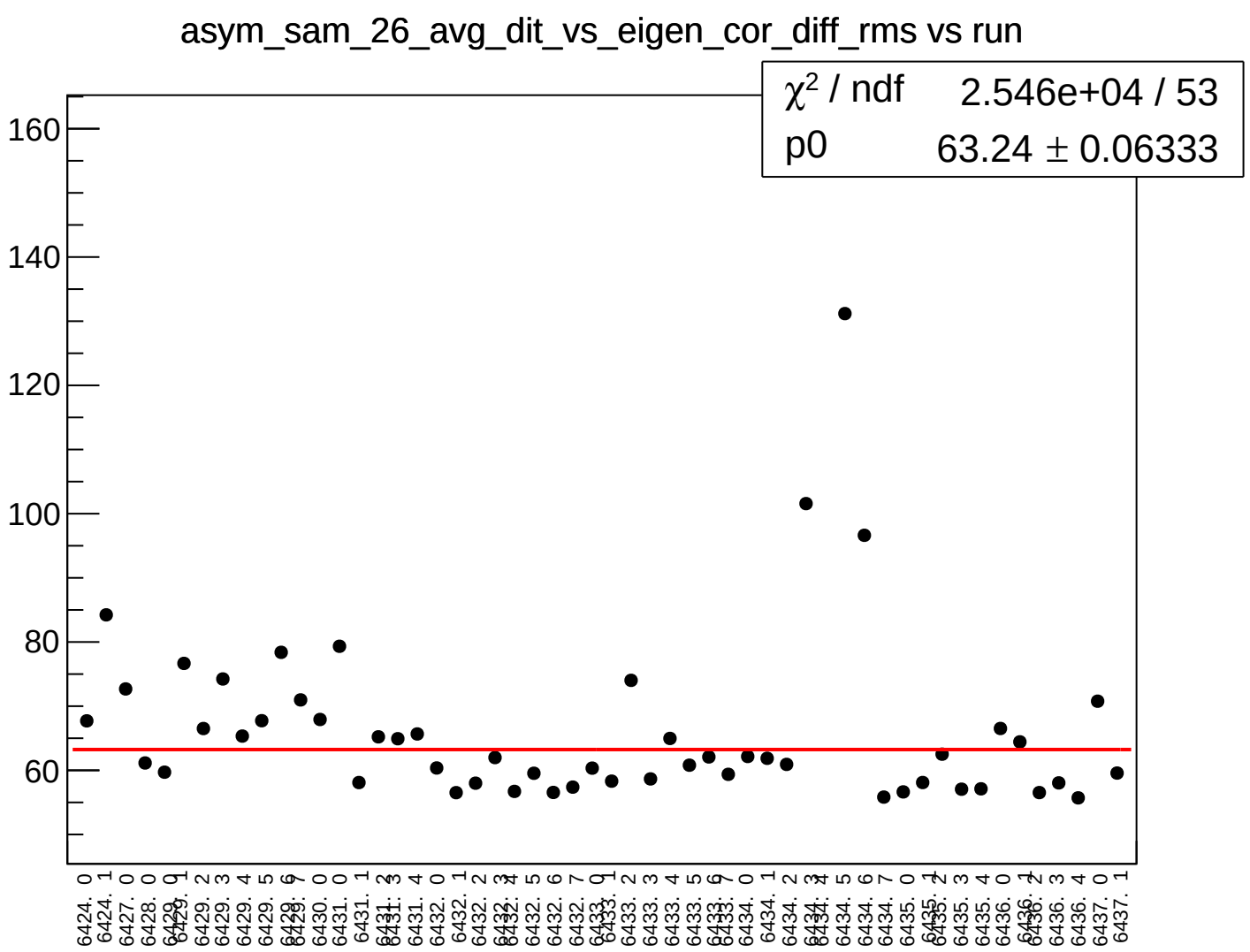

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.376e+05 / 53
p0 1.87e−11 ± 3.504e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

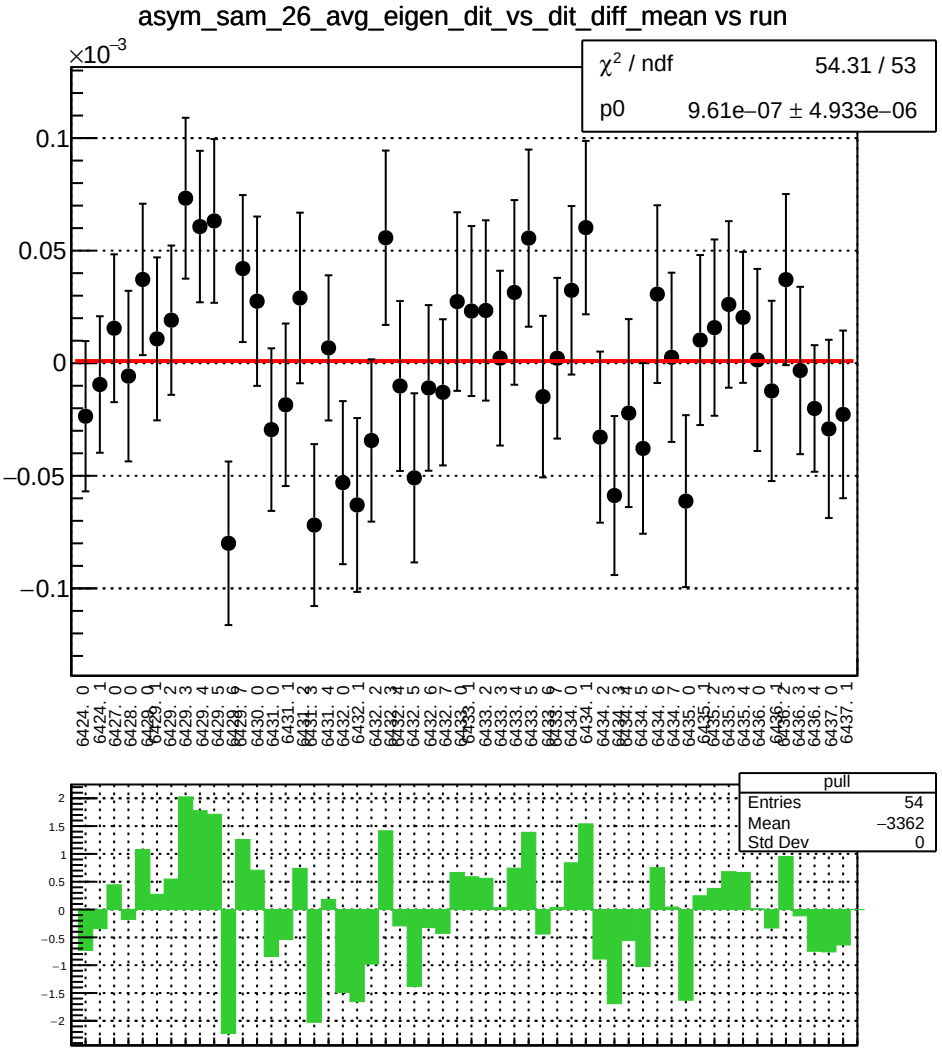

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.99 / 53
p0 0.08078 ± 0.08956
pull
Entries 54
Mean −7.971
Std Dev 0
pull1D
Entries 54
Mean −0.07669
Std Dev 1.252

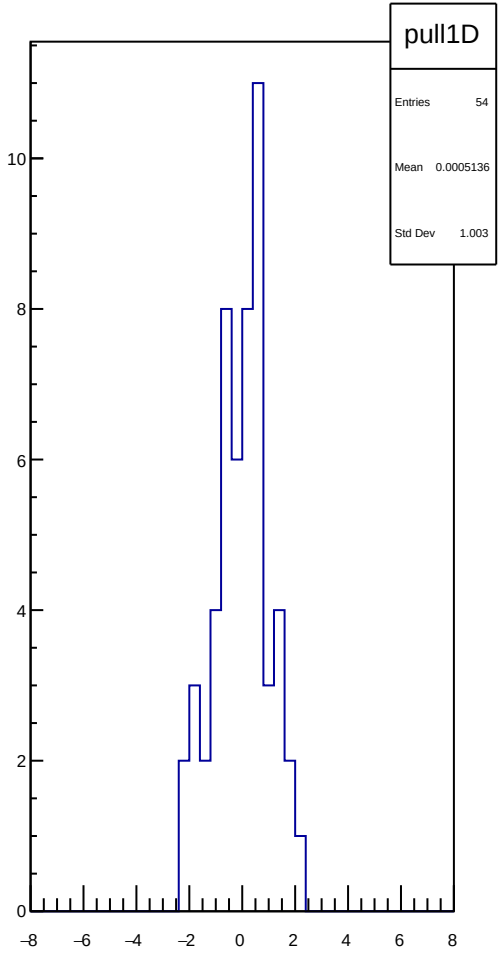

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.546e+04 / 53
p0 63.24 ± 0.06333
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

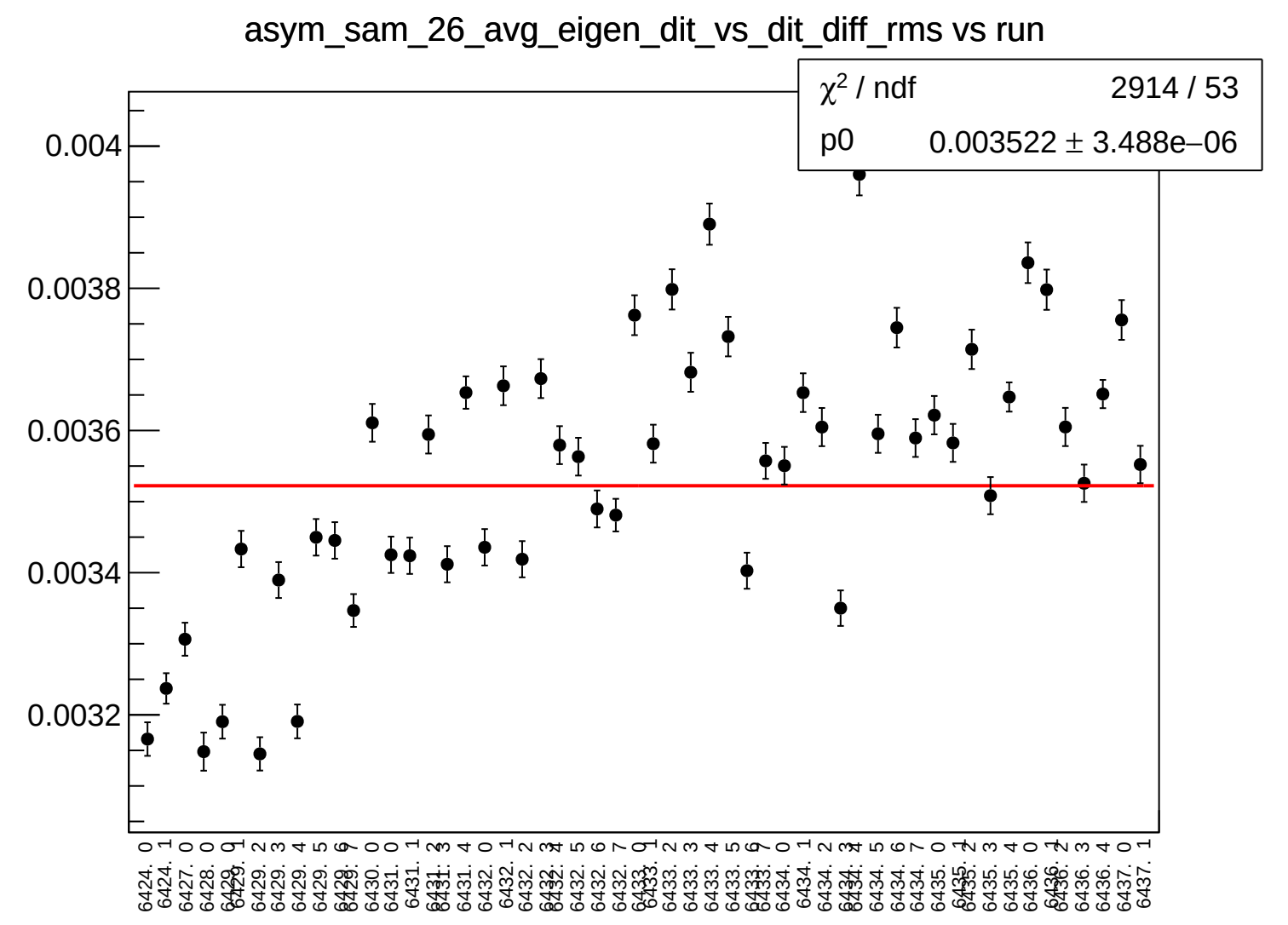

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.99 / 53
p0 0.08078 ± 0.08956
pull
Entries 54
Mean −7.971
Std Dev 0

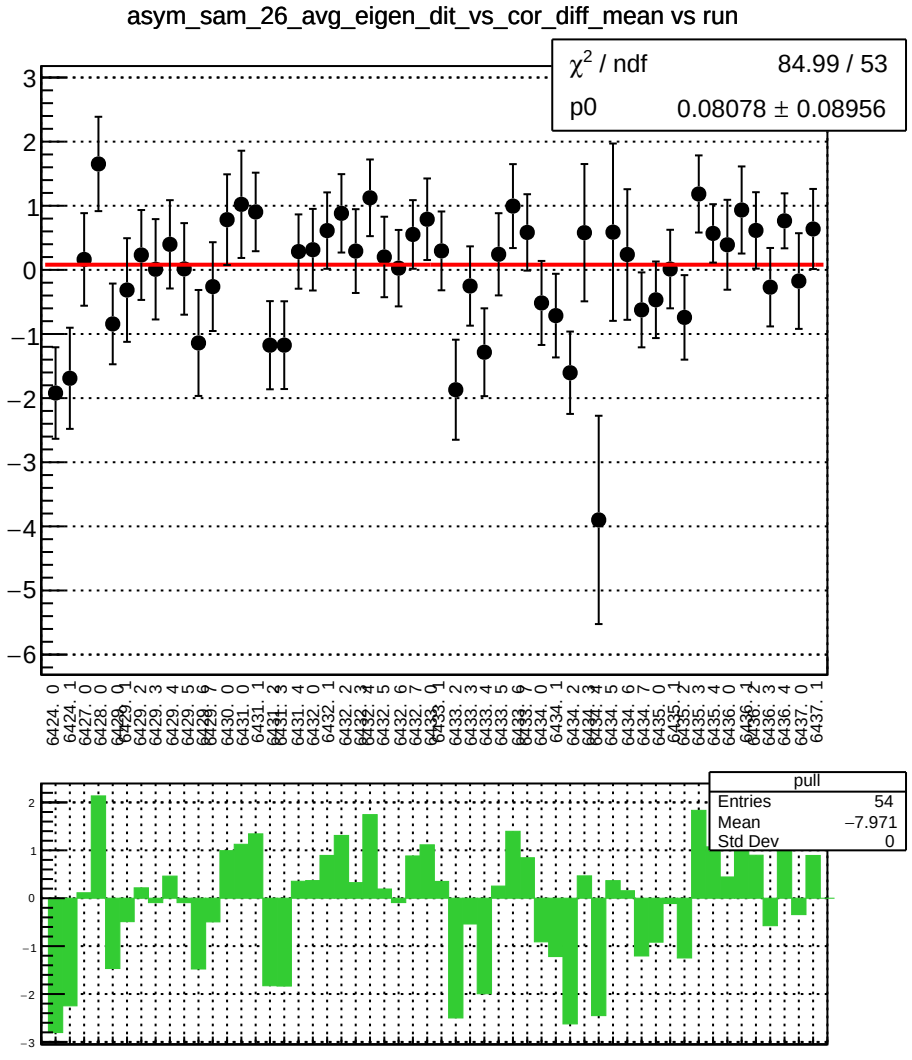

pull1D
Entries 54
Mean −0.07669
Std Dev 1.252

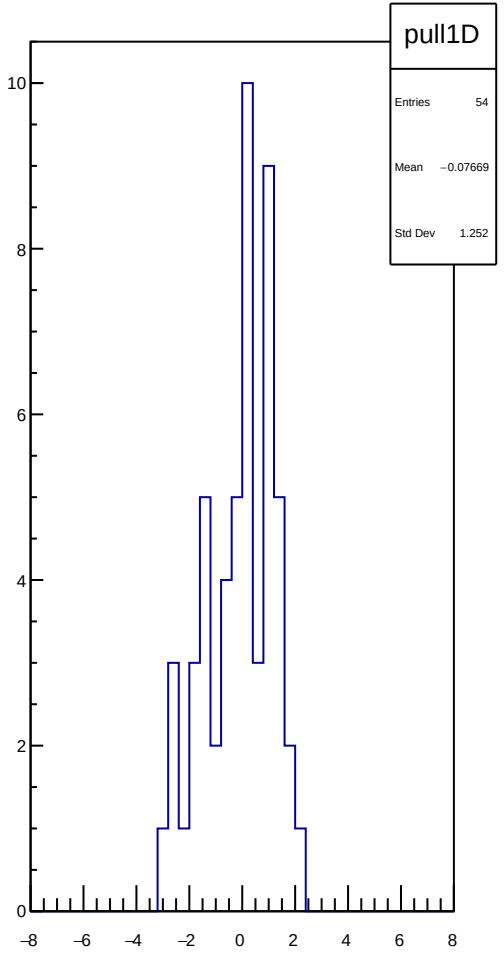

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.546e+04 / 53
p0 63.24 ± 0.06333
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

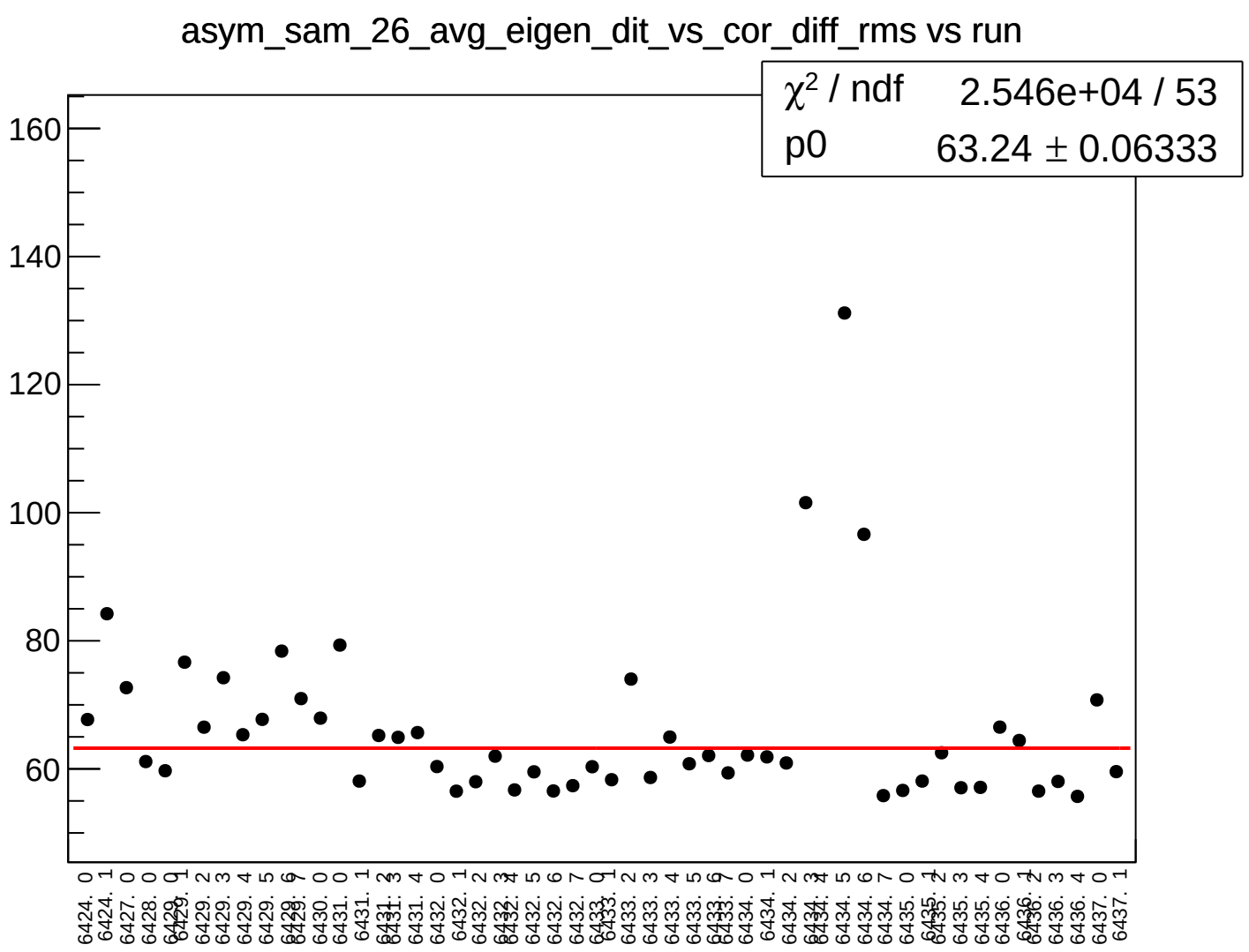

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.31 / 53
p0 9.61e−07 ± 4.933e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −3362
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

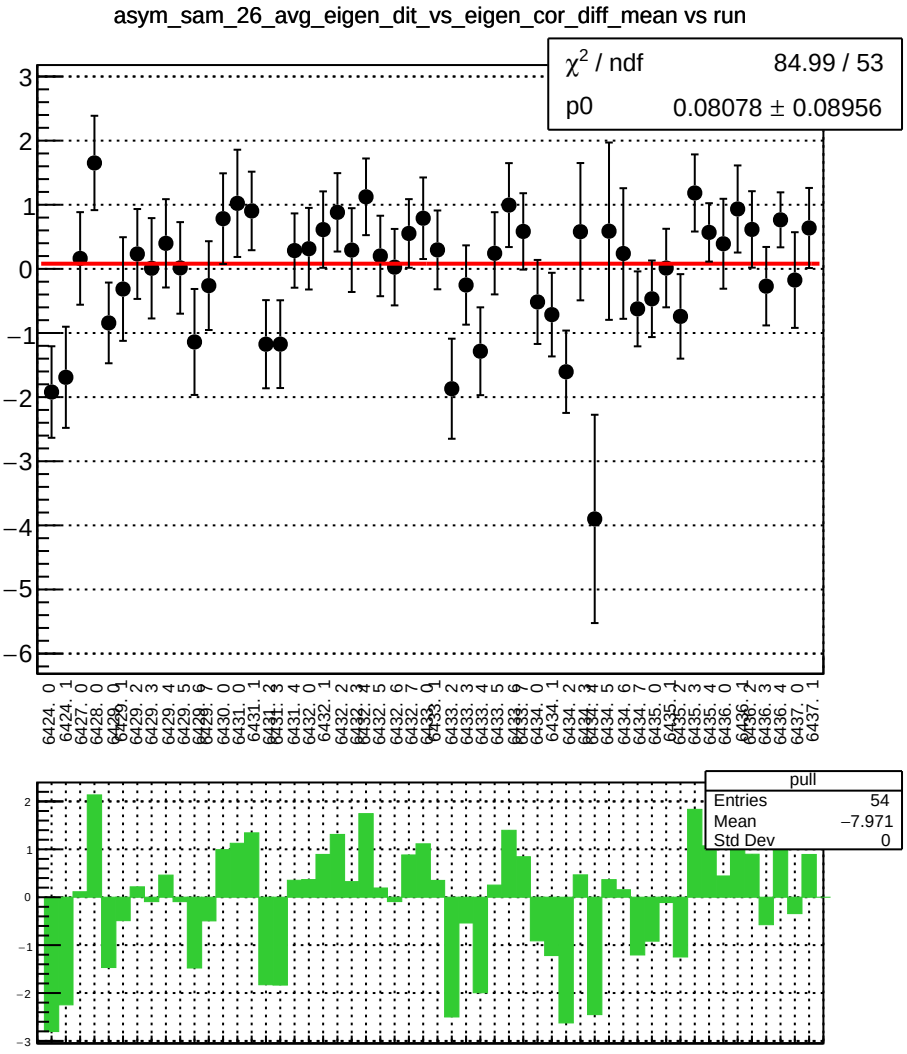

pull1D
Entries 54
Mean 0.0005136
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

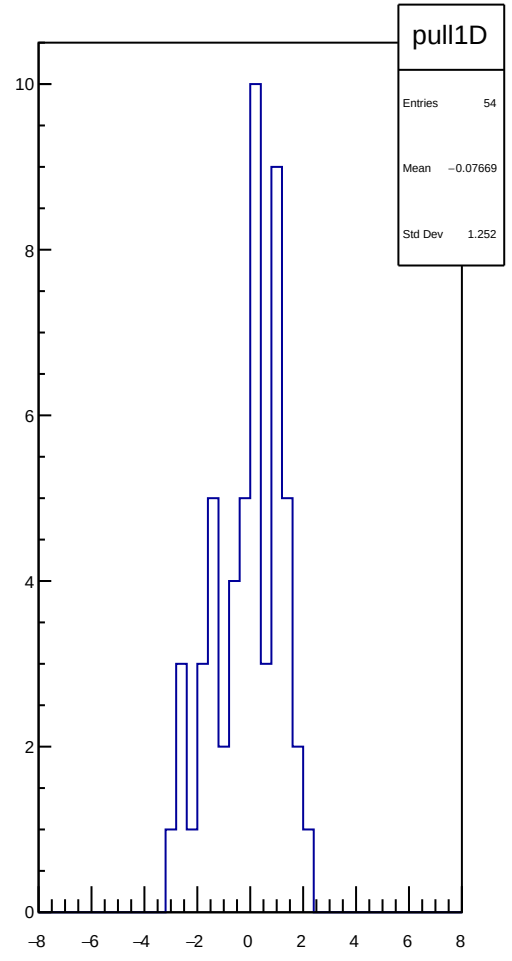

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2914 / 53
p0 0.003522 ± 3.488e−06
0.004
0.0038
0.0036
0.0034
0.0032
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

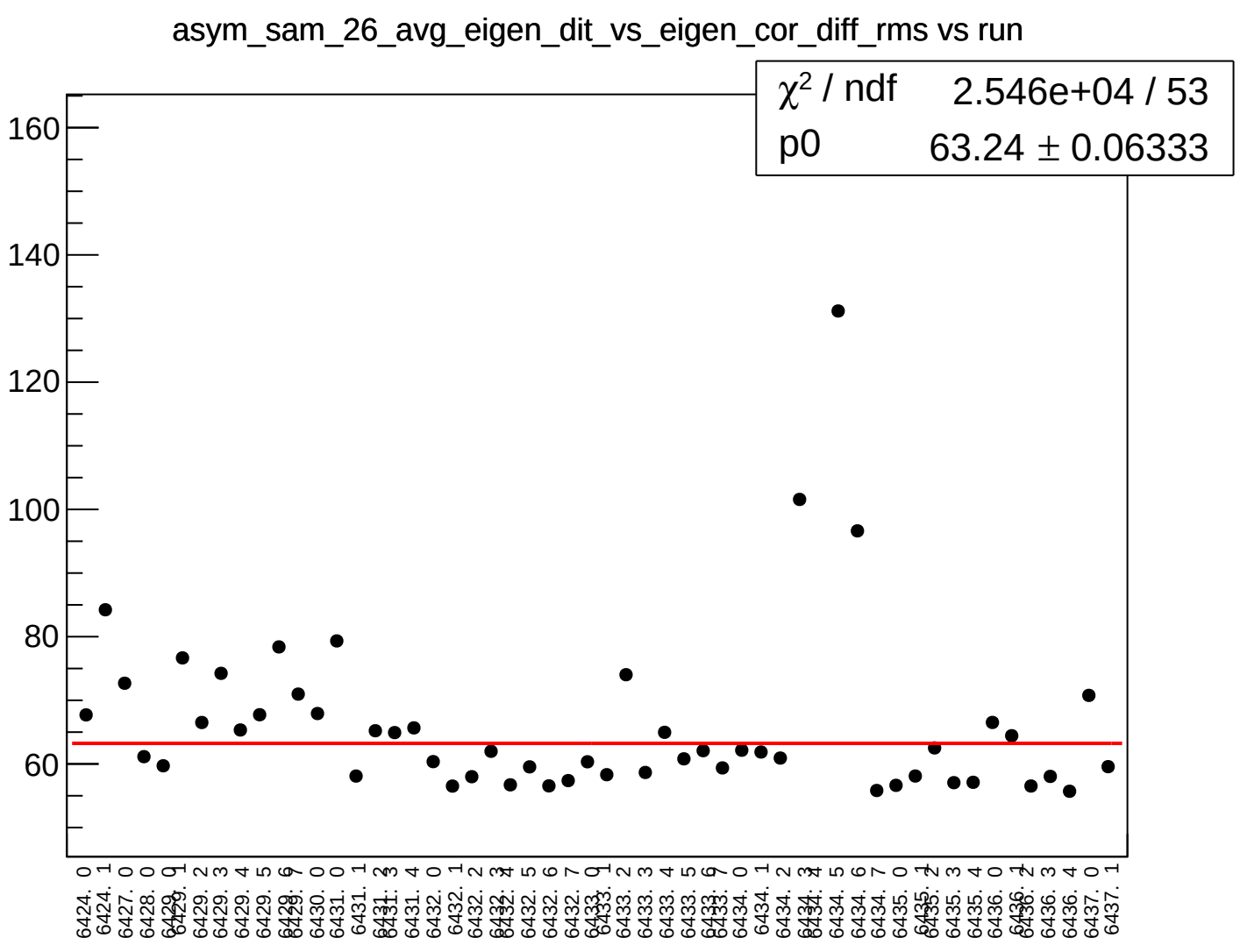

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.99 / 53
p0 0.08078 ± 0.08956
pull
Entries 54
Mean −7.971
Std Dev 0

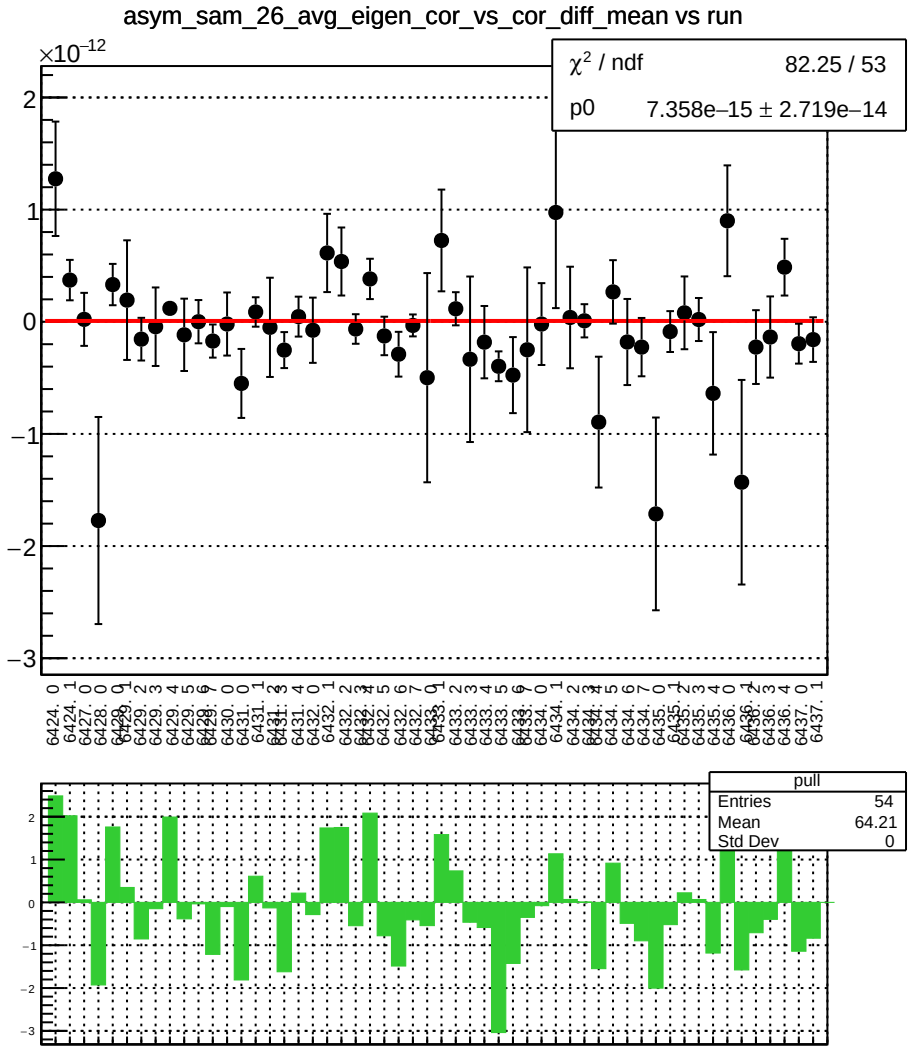

pull1D
Entries 54
Mean −0.07669
Std Dev 1.252

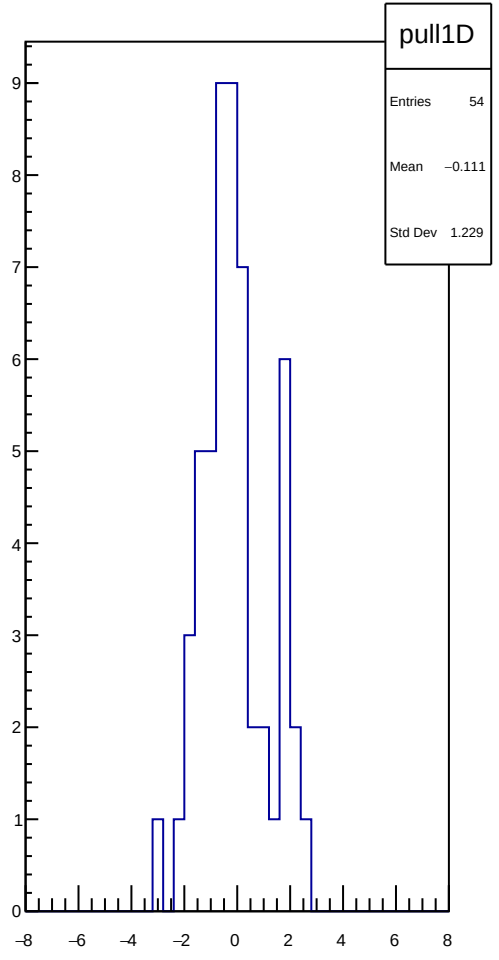

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.546e+04 / 53
p0 63.24 ± 0.06333
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

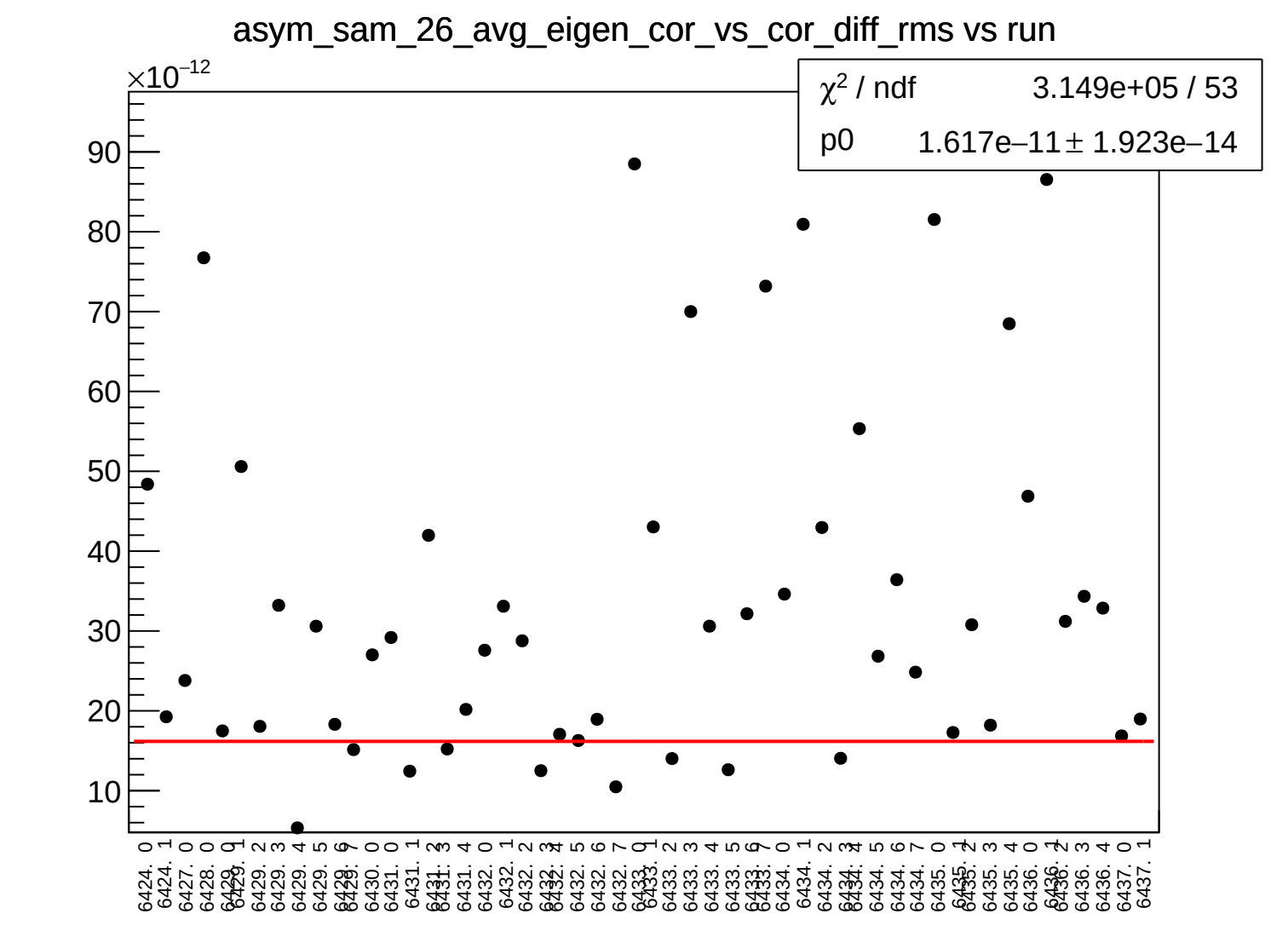

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.99 / 53
p0 0.08078 ± 0.08956
pull
Entries 54
Mean −7.971
Std Dev 0

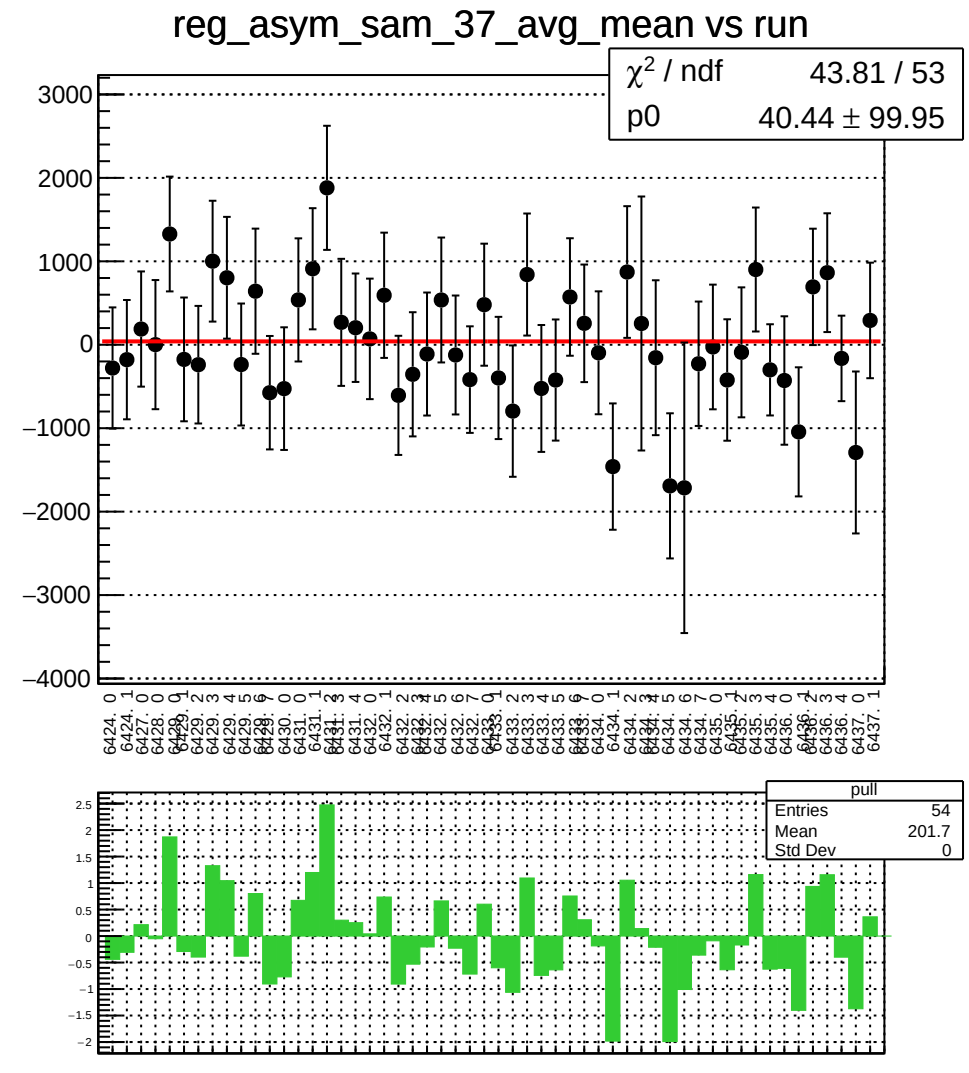

pull1D
Entries 54
Mean −0.07669
Std Dev 1.252

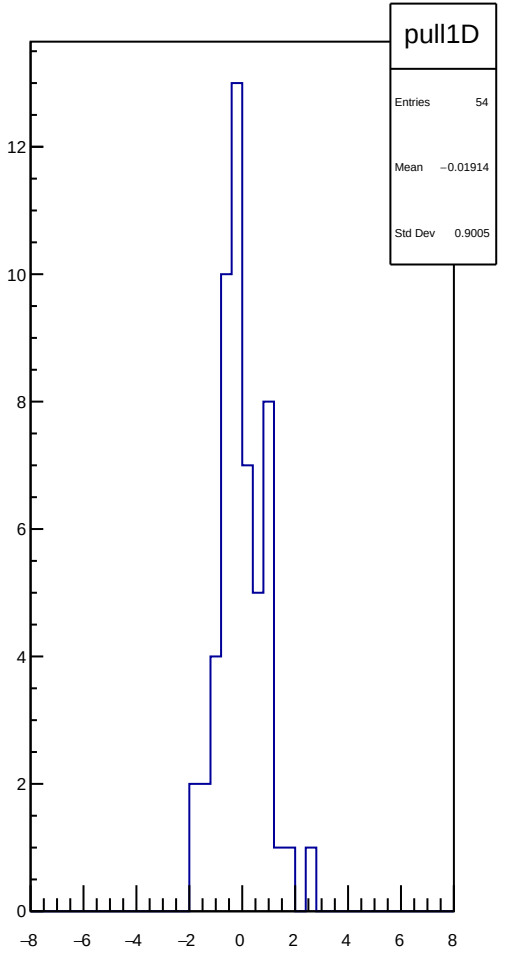

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.546e+04 / 53
p0 63.24 ± 0.06333
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

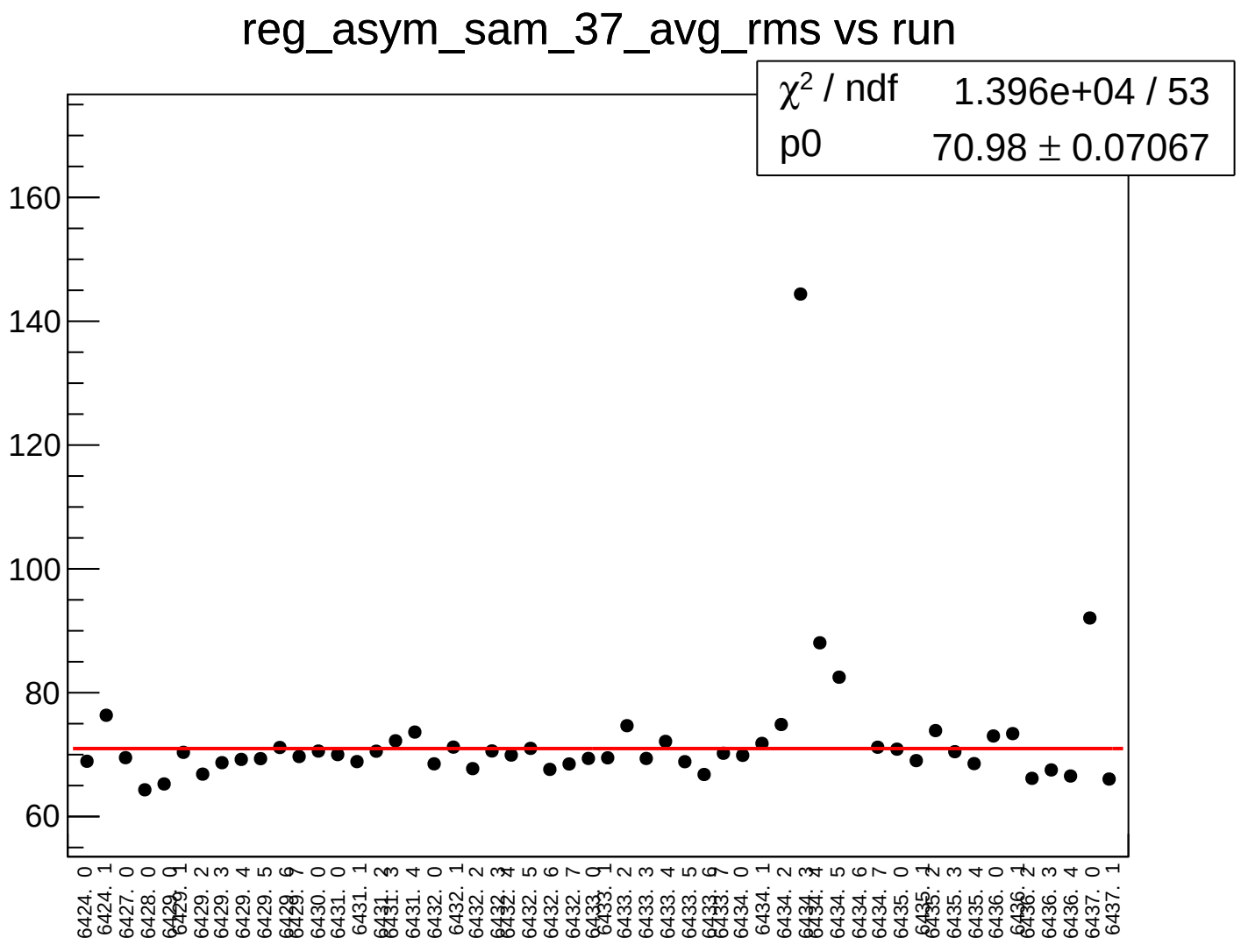

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.25 / 53
p0 7.358e−15 ± 2.719e−14
pull
Entries 54
Mean 64.21
Std Dev 0

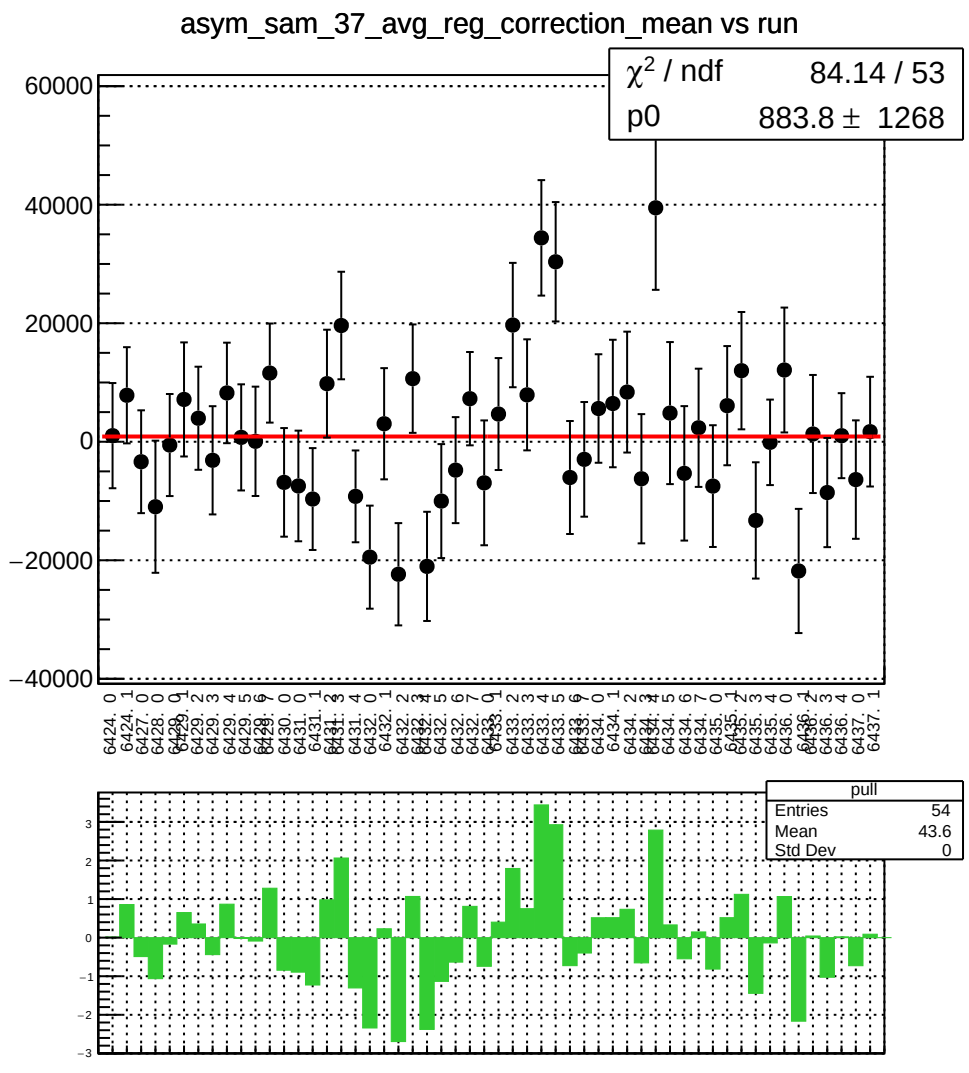

pull1D
Entries 54
Mean −0.111
Std Dev 1.229

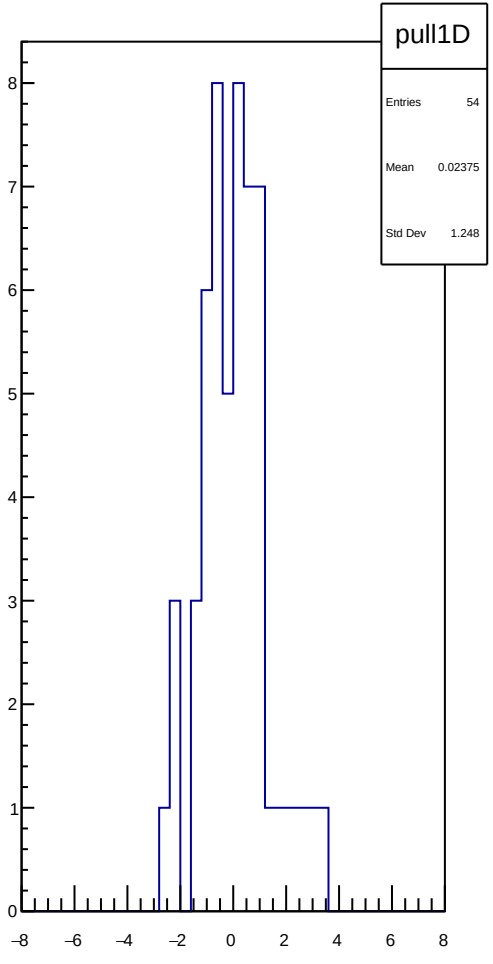

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.149e+05 / 53
p0 1.617e−11 ± 1.923e−14
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

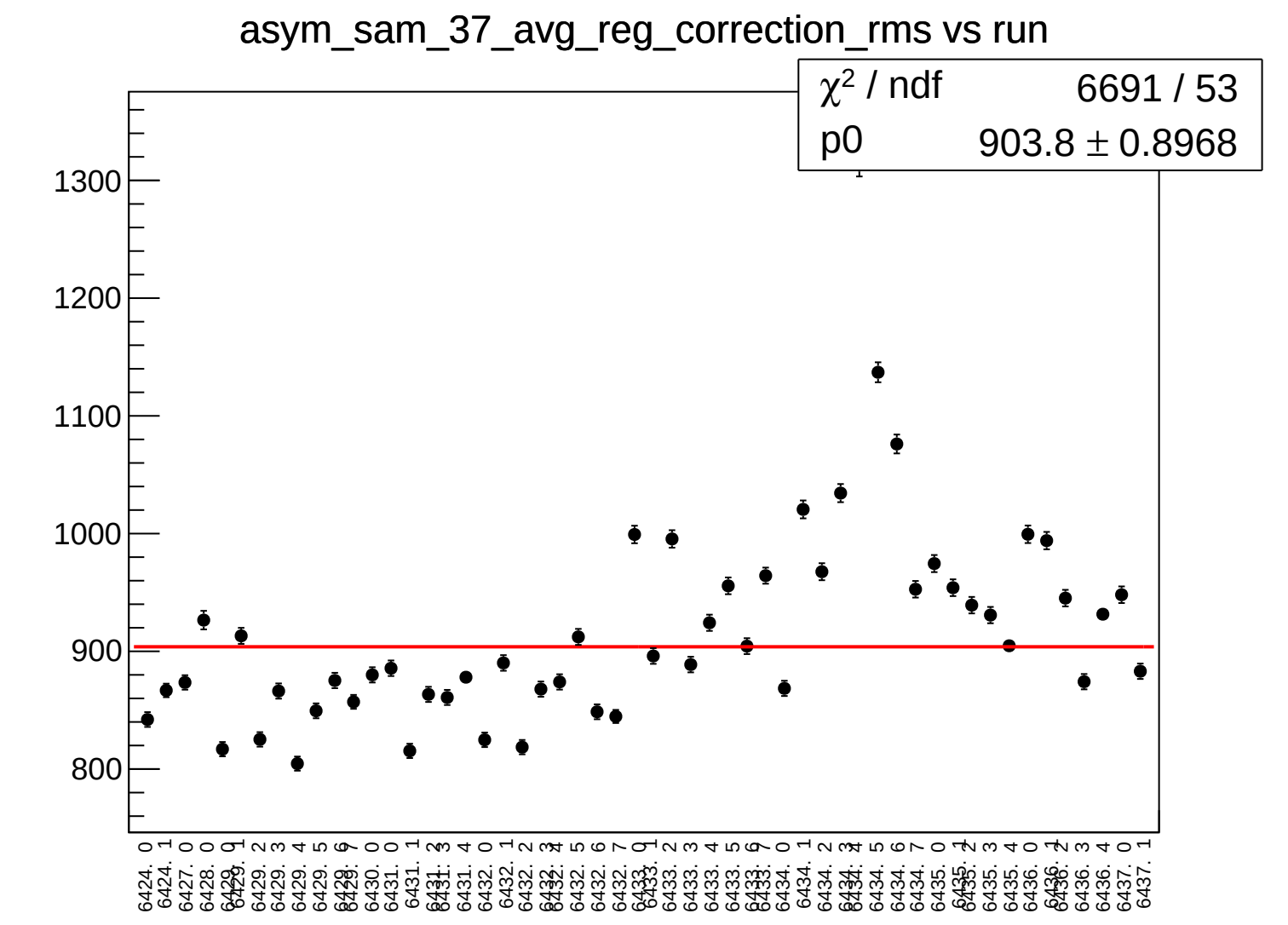

reg_asym_sam_37_avg_mean vs run
χ² / ndf 43.81 / 53
p0 40.44 ± 99.95
pull
Entries 54
Mean 201.7
Std Dev 0

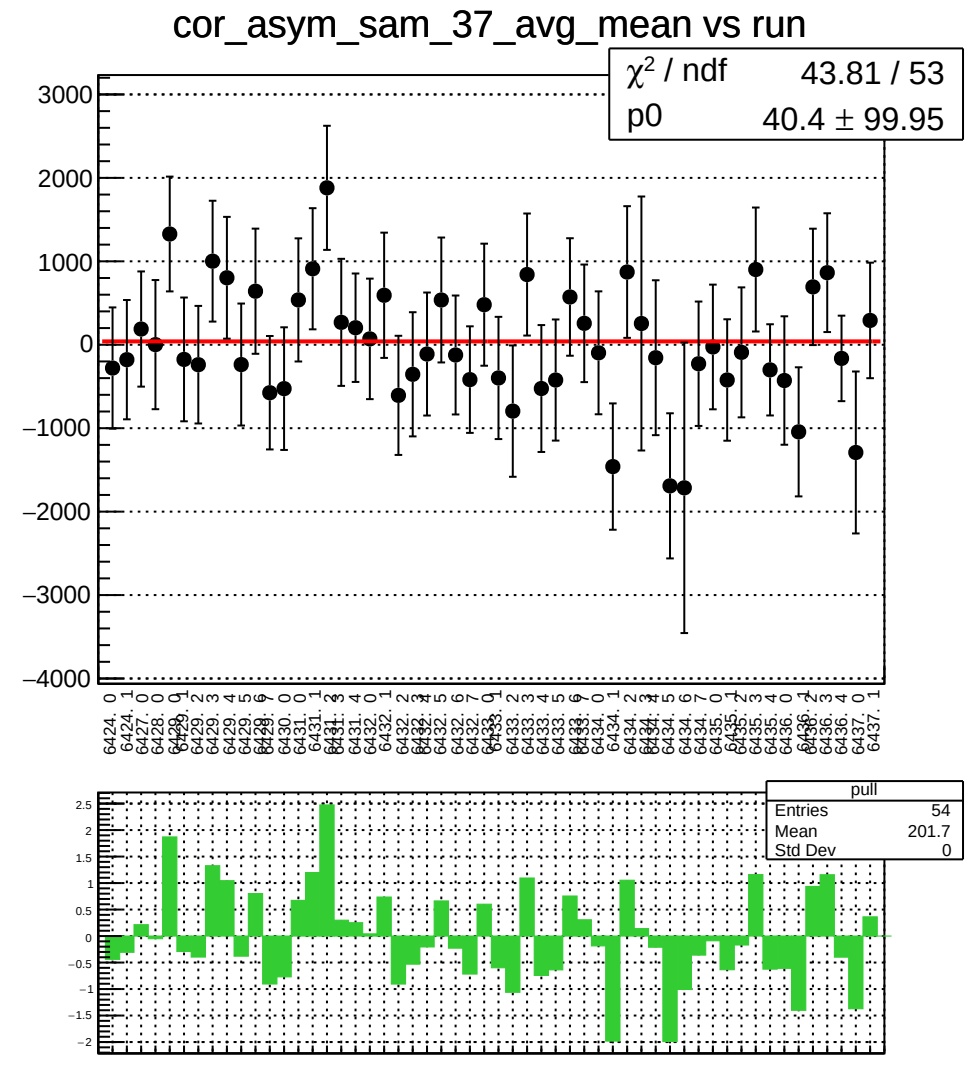

pull1D
Entries 54
Mean −0.01914
Std Dev 0.9005

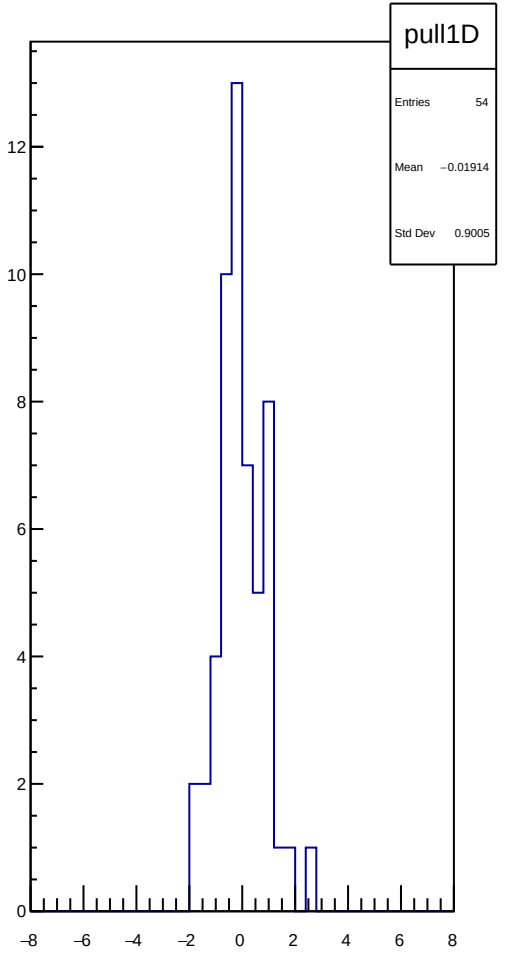

reg_asym_sam_37_avg_rms vs run
χ² / ndf 1.396e+04 / 53
p0 70.98 ± 0.07067
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

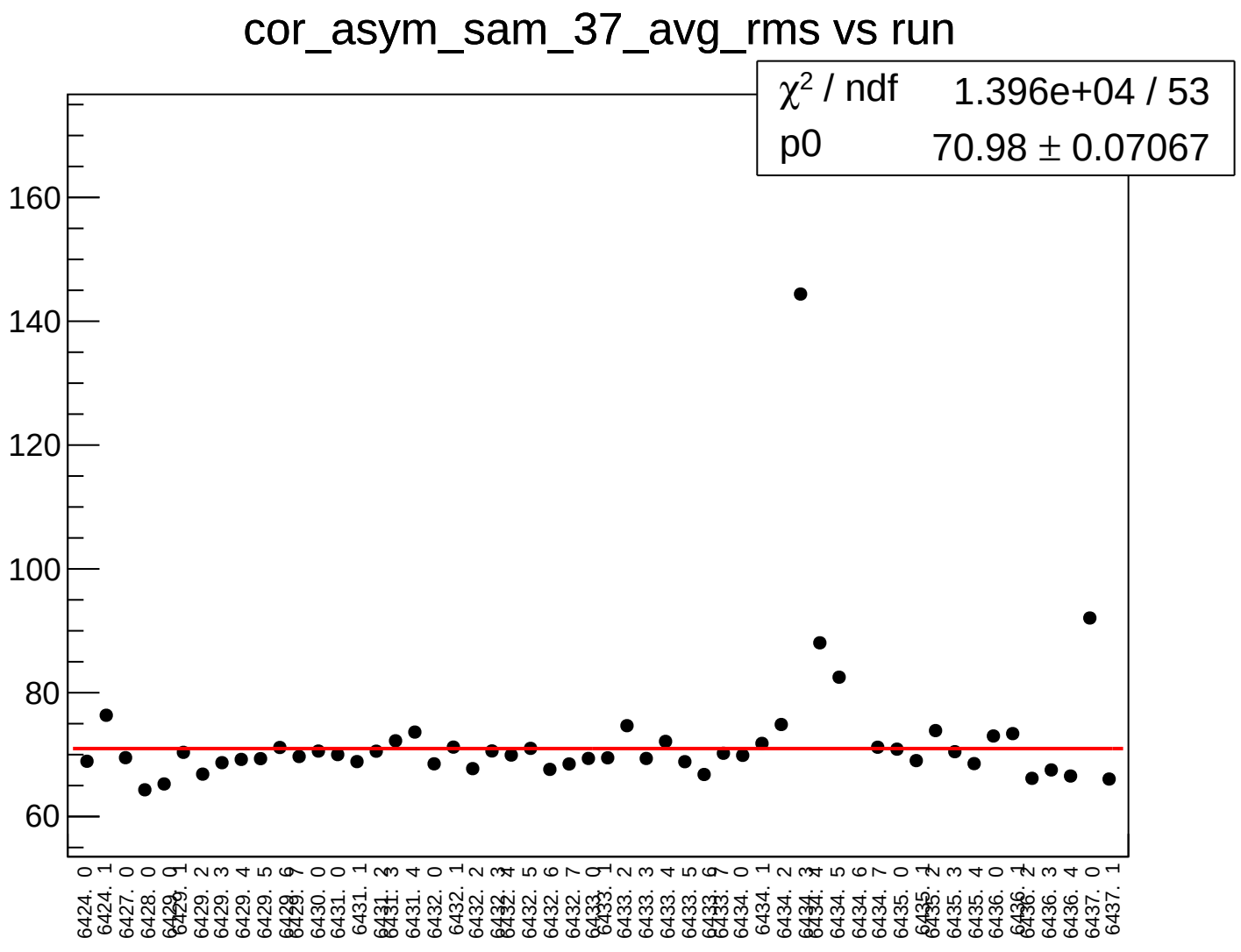

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 84.14 / 53
p0 883.8 ± 1268
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 43.6
Std Dev 0
3
2
1
0
−1
−2
−3

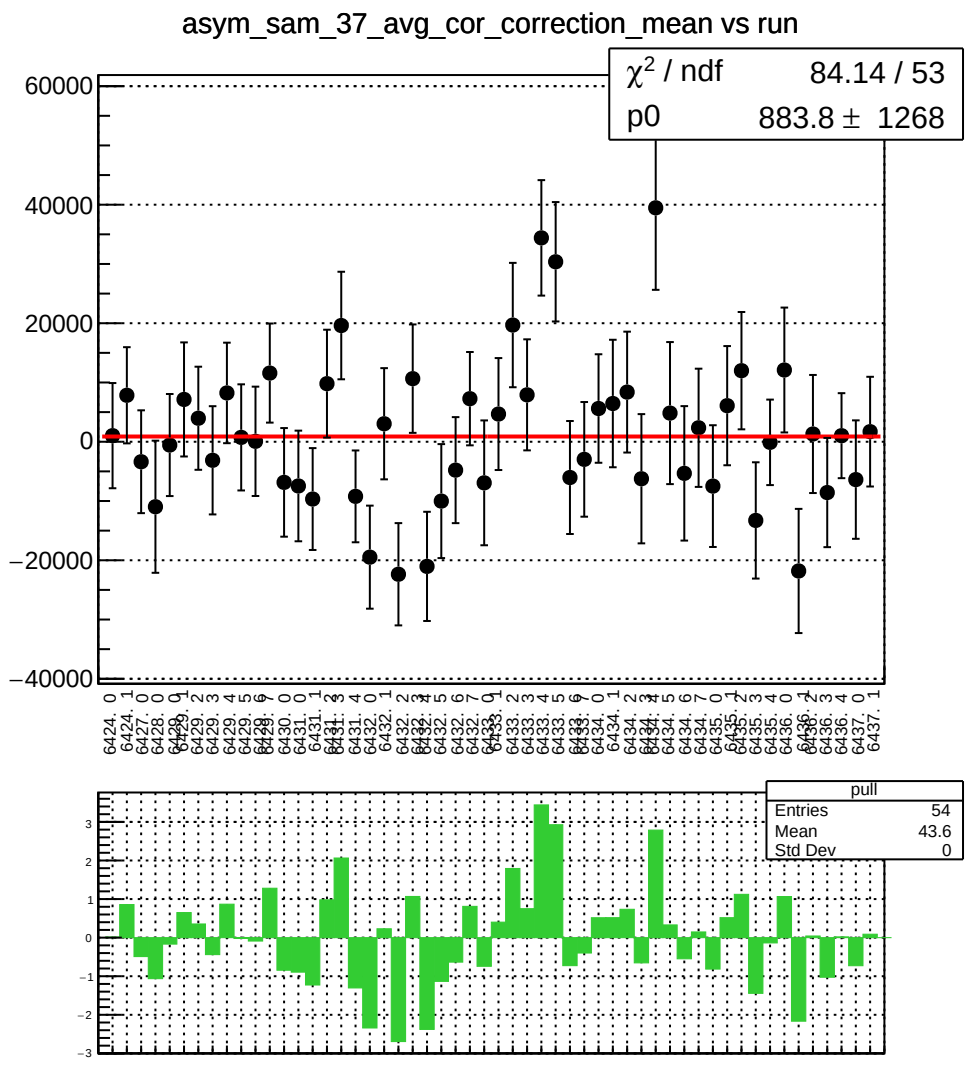

pull1D
Entries 54
Mean 0.02375
Std Dev 1.248
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

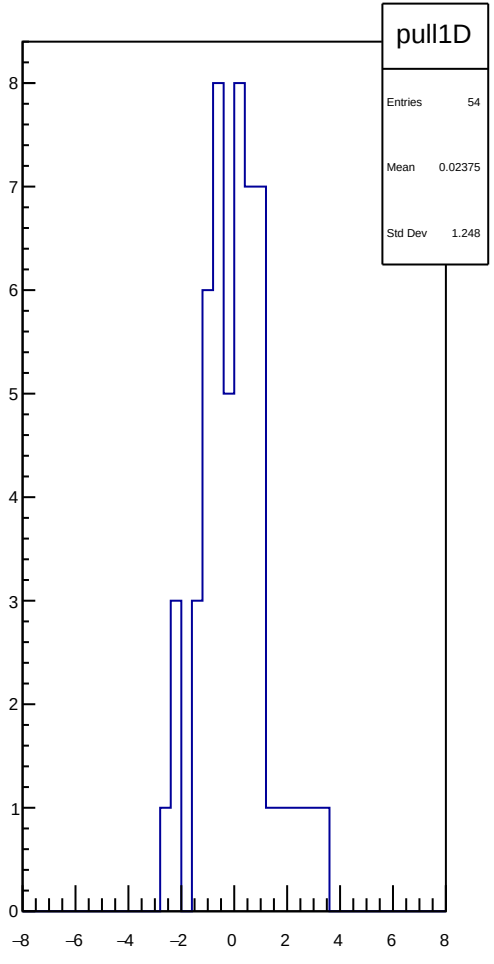

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 6691 / 53
p0 903.8 ± 0.8968
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

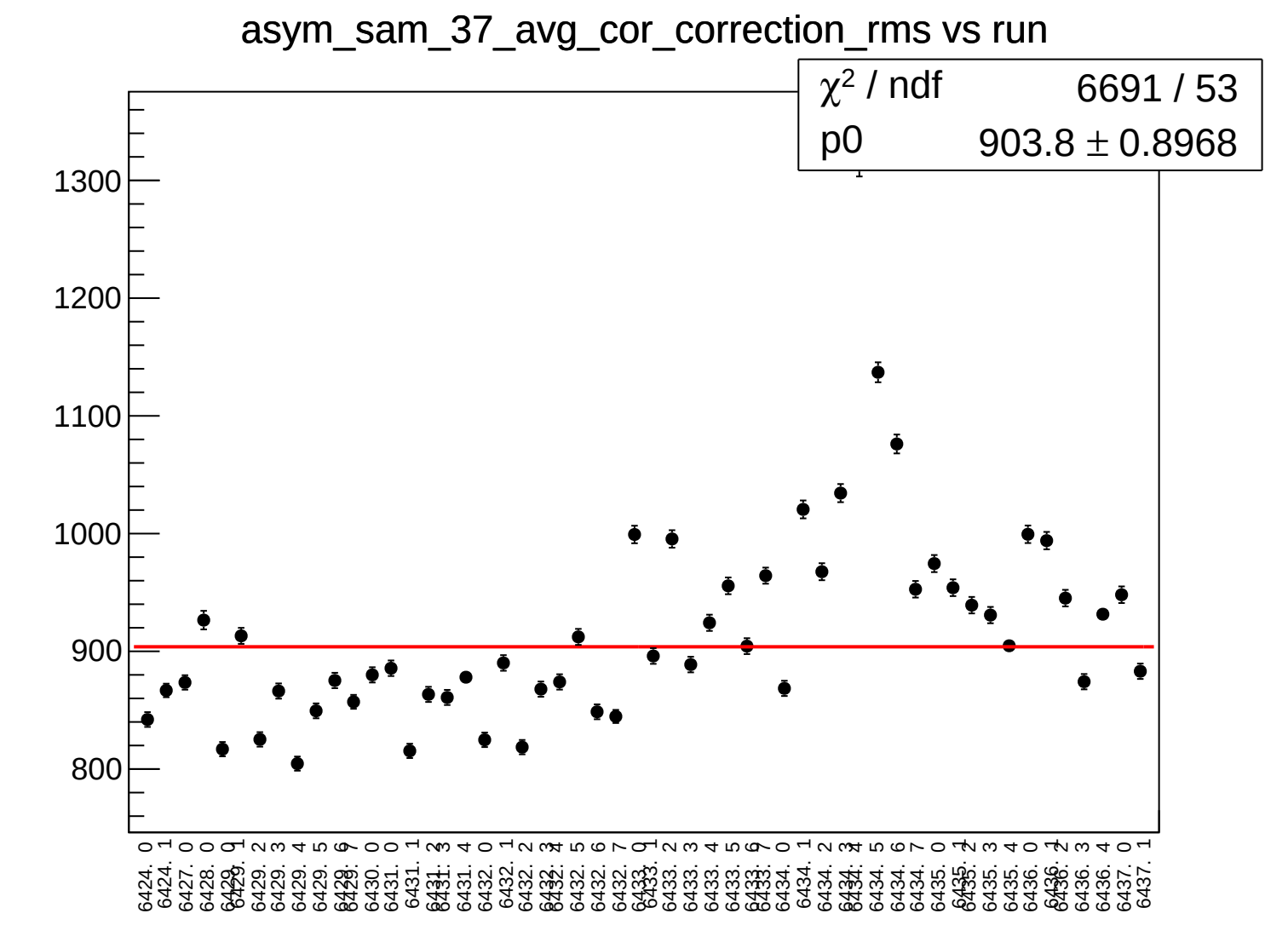

cor_asym_sam_37_avg_mean vs run
χ² / ndf 43.81 / 53
p0 40.4 ± 99.95
pull
Entries 54
Mean 201.7
Std Dev 0

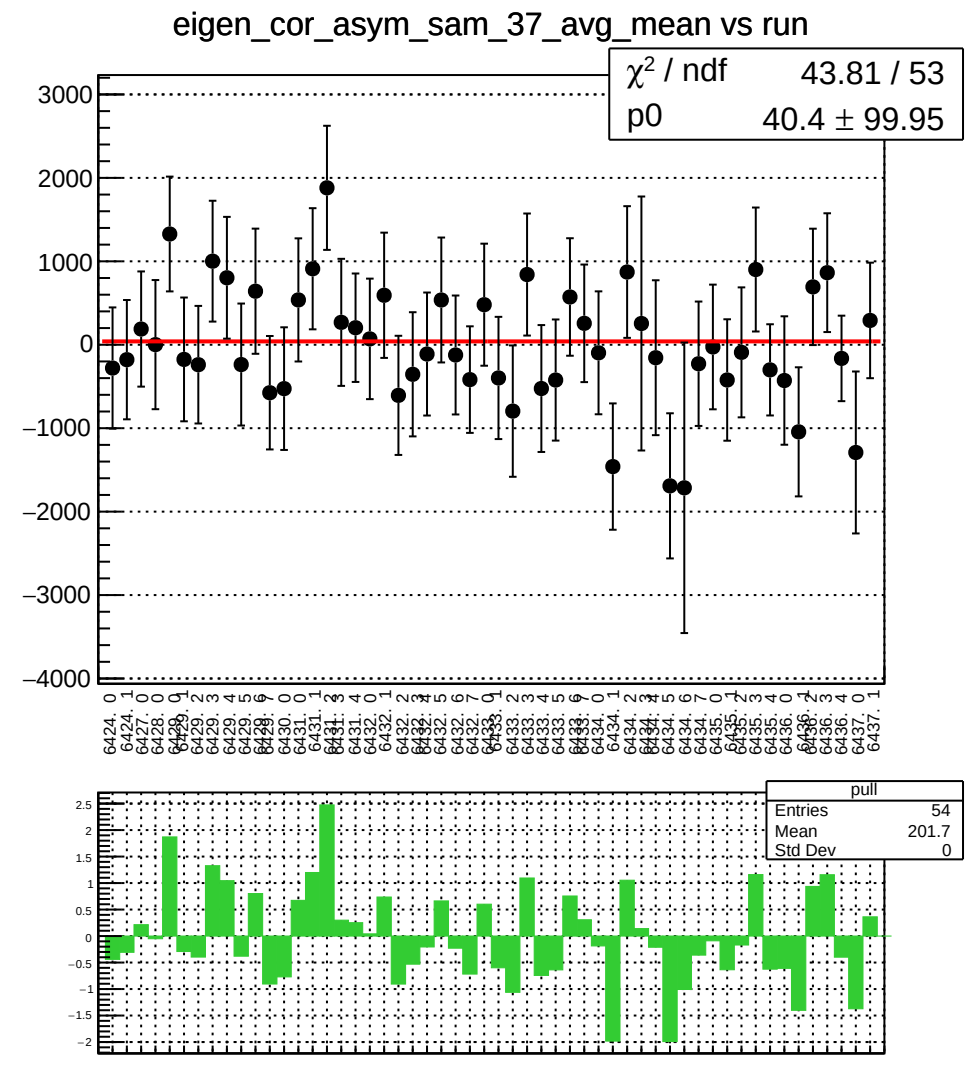

pull1D
Entries 54
Mean −0.01914
Std Dev 0.9005

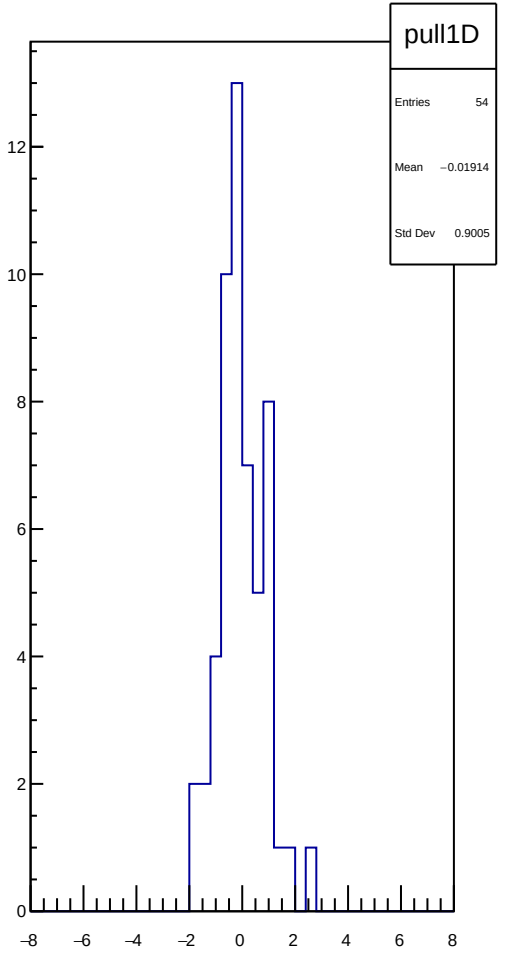

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.396e+04 / 53
p0 70.98 ± 0.07067
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

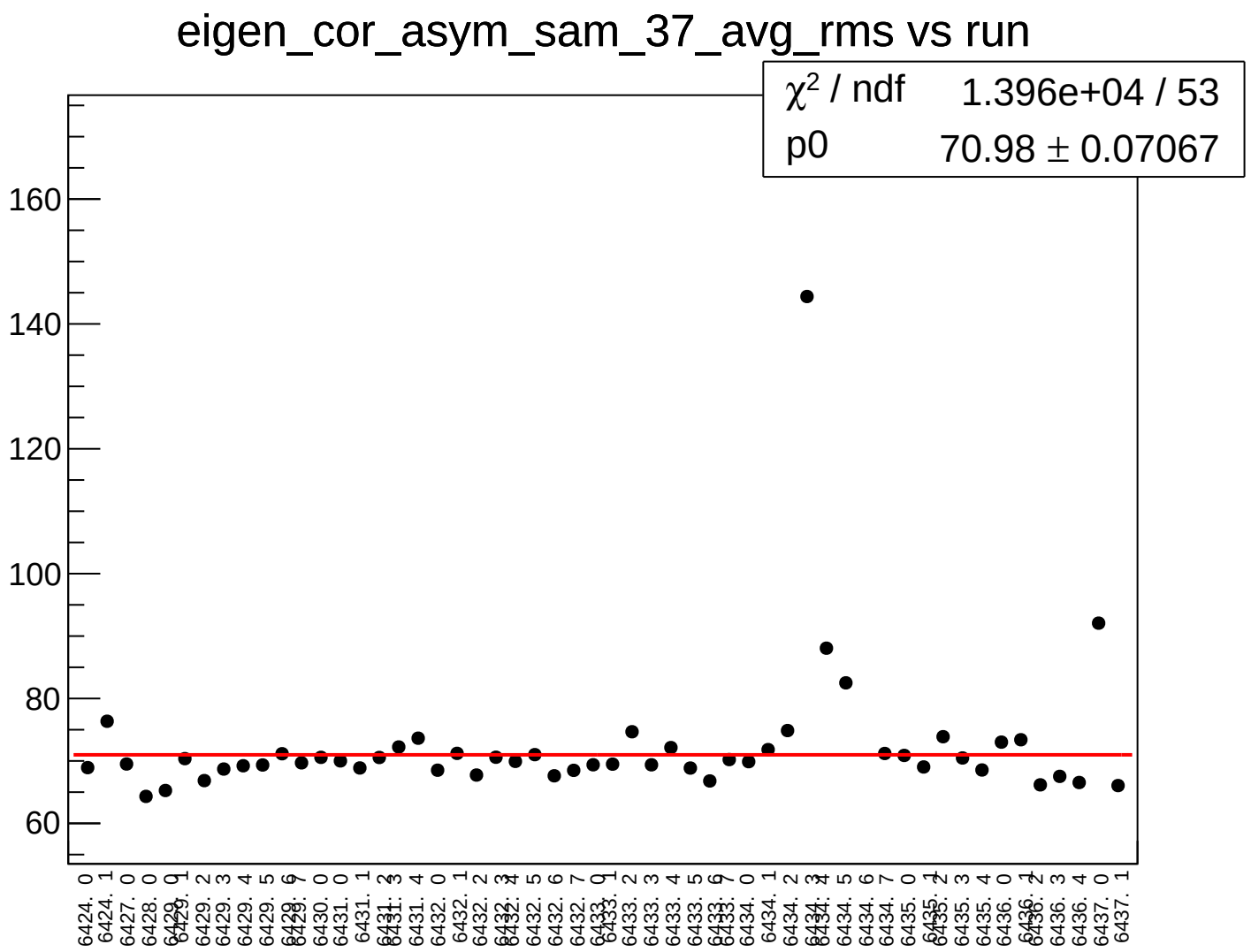

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 84.14 / 53
p0 883.8 ± 1268
pull
Entries 54
Mean 43.6
Std Dev 0

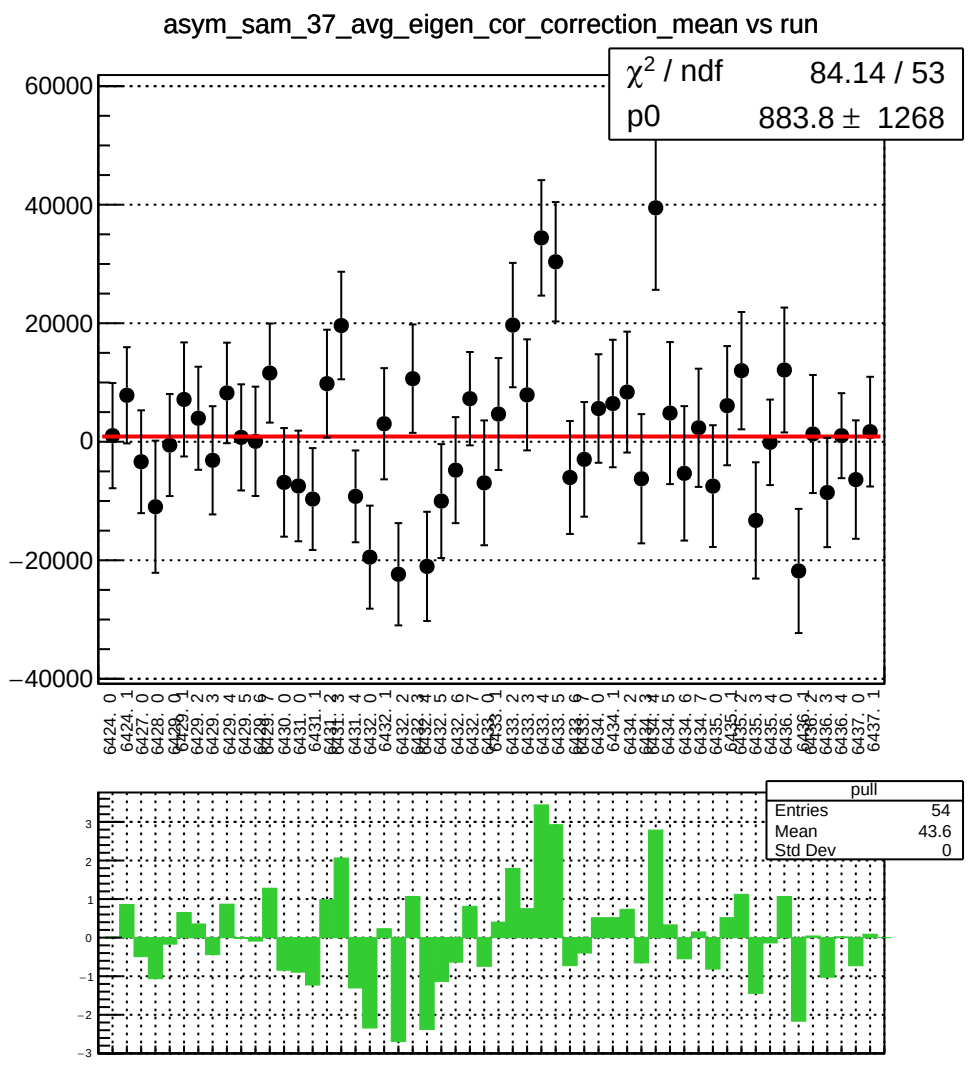

pull1D
Entries 54
Mean 0.02375
Std Dev 1.248

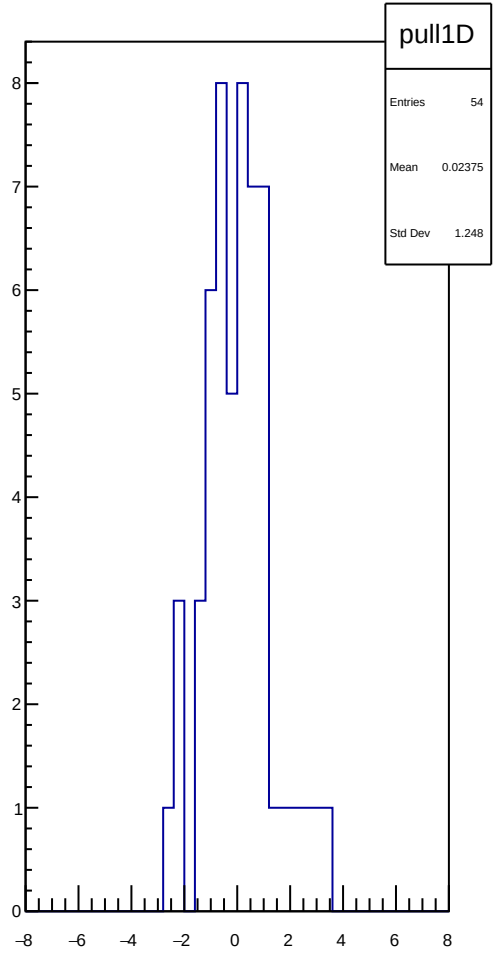

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 6691 / 53
p0 903.8 ± 0.8968
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

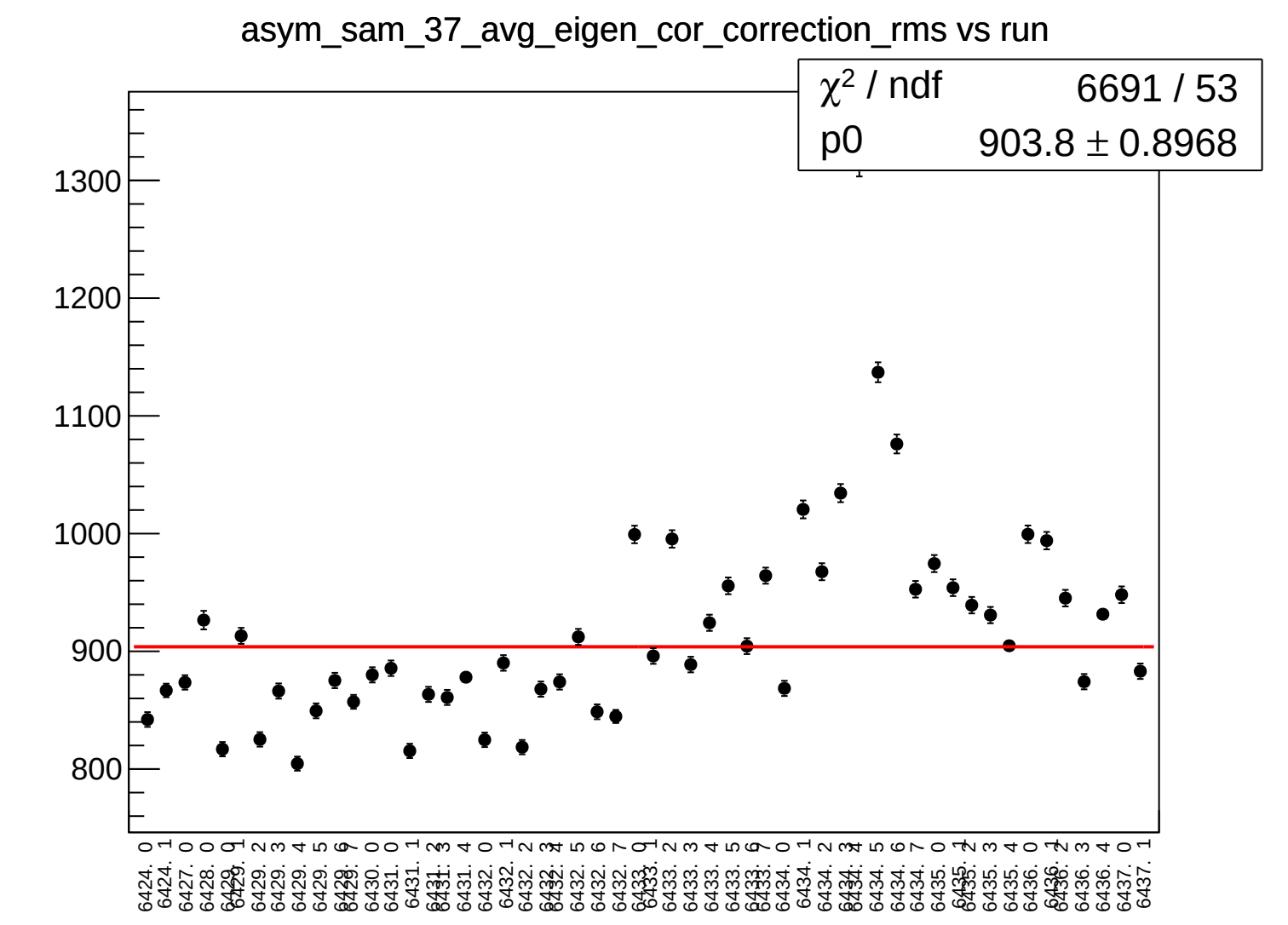

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 43.81 / 53
p0 40.4 ± 99.95
pull
Entries 54
Mean 201.7
Std Dev 0

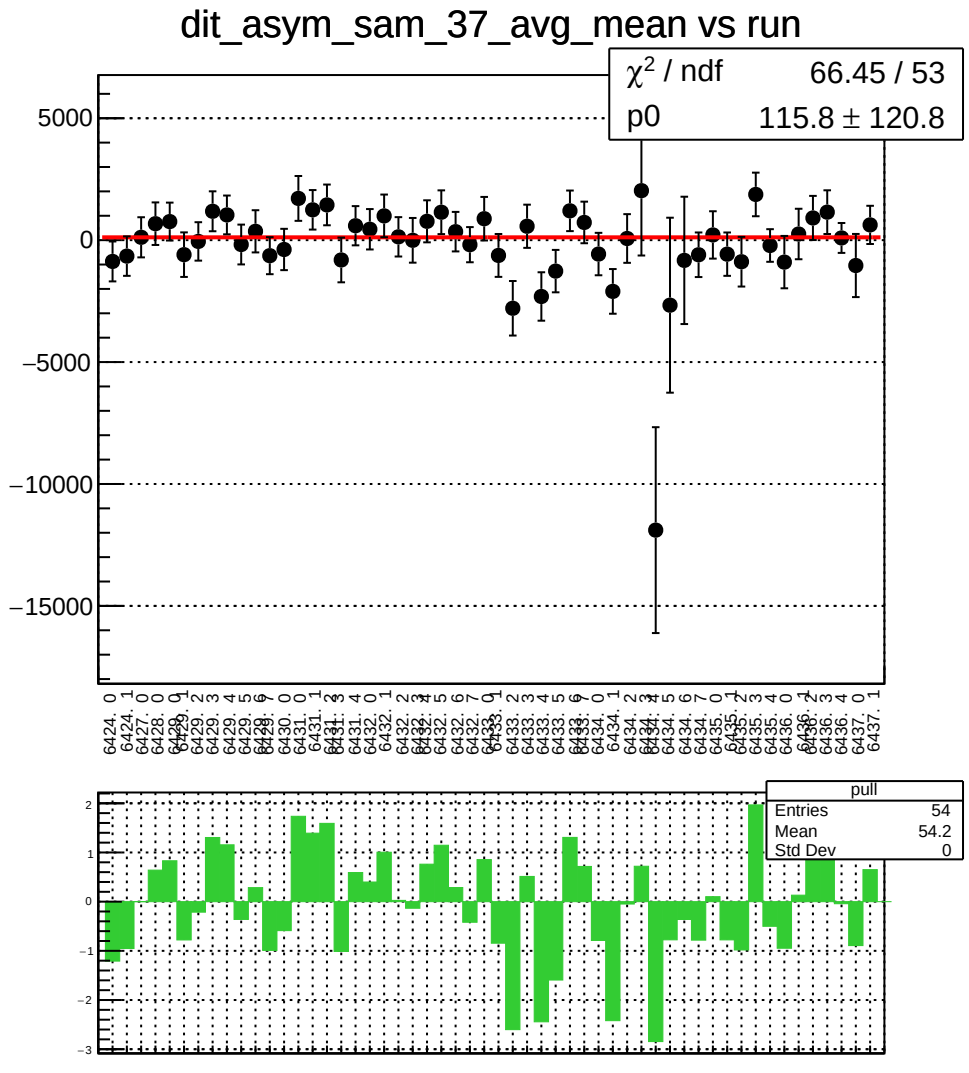

pull1D
Entries 54
Mean −0.01914
Std Dev 0.9005

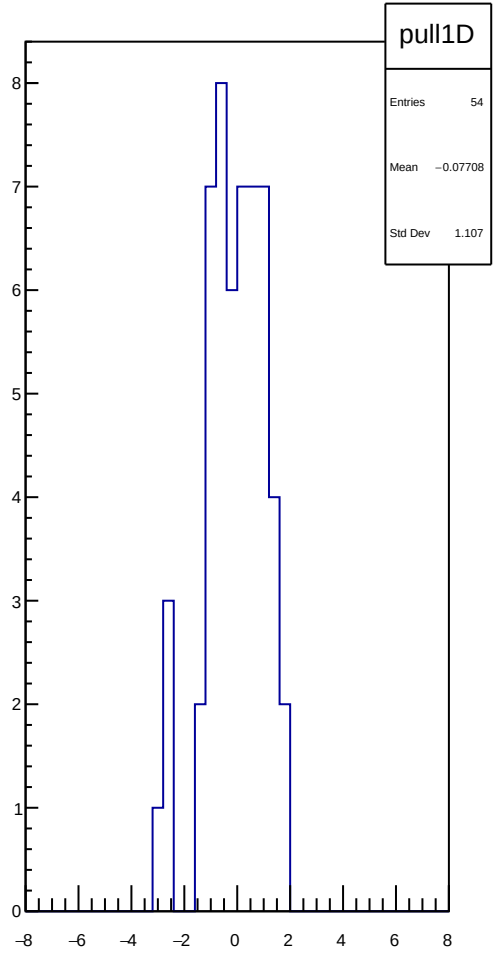

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.396e+04 / 53
p0 70.98 ± 0.07067
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

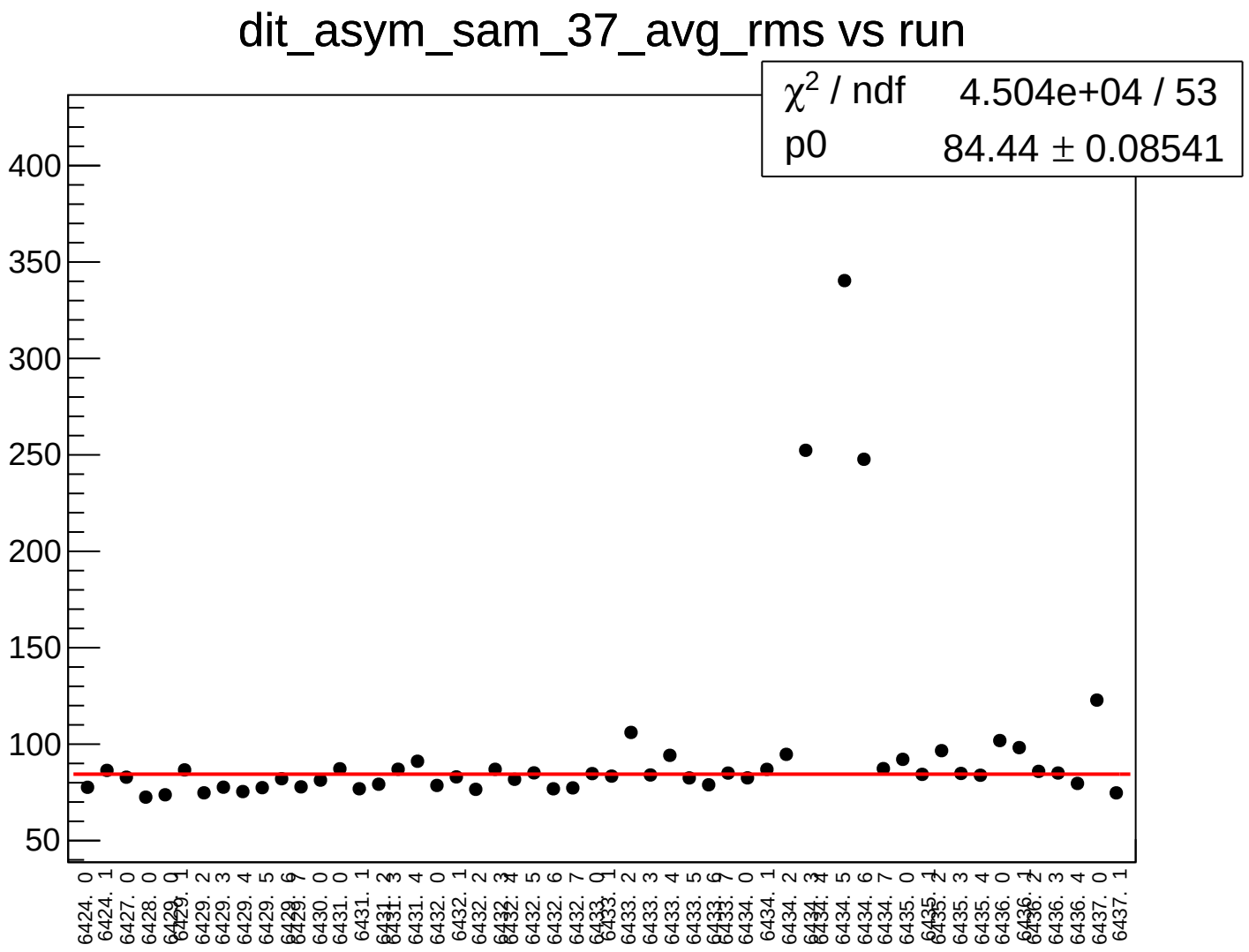

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.14 / 53
p0 883.8 ± 1268
pull
Entries 54
Mean 43.6
Std Dev 0

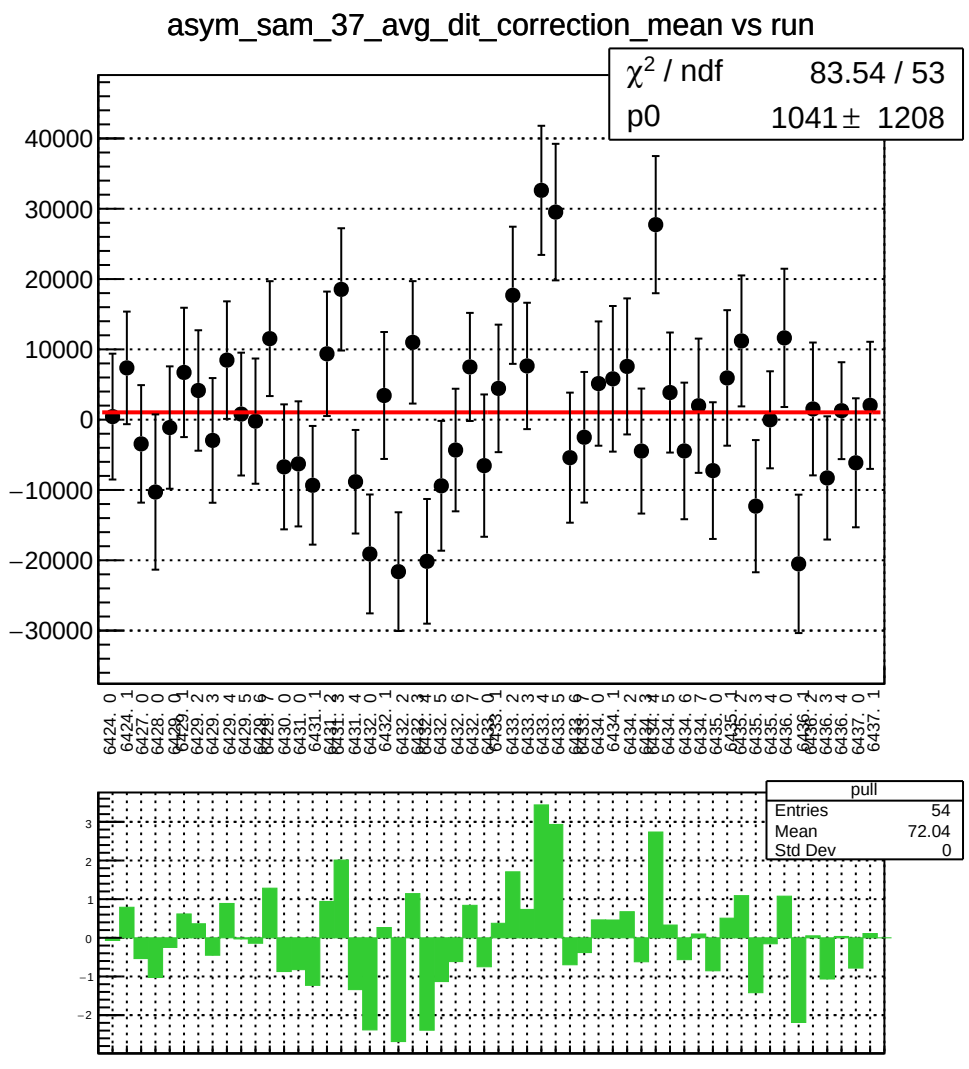

pull1D
Entries 54
Mean 0.02375
Std Dev 1.248

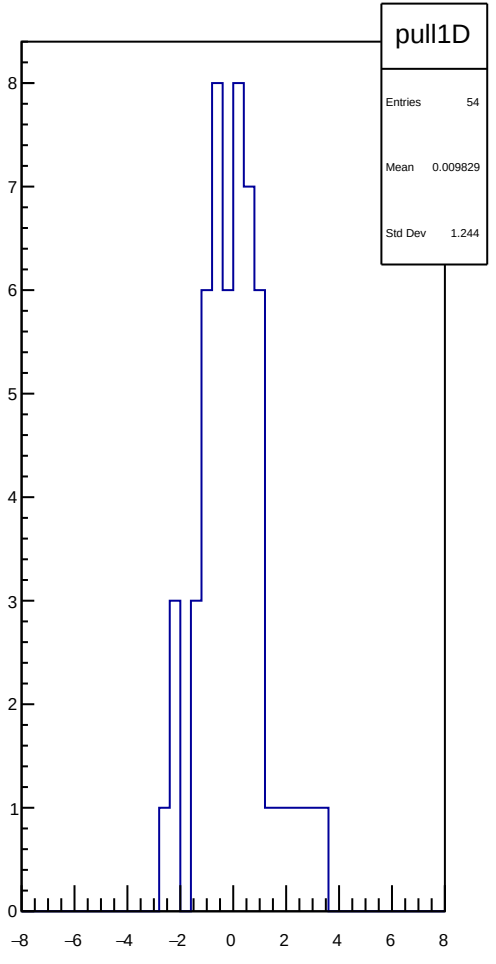

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 6691 / 53
p0 903.8 ± 0.8968
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

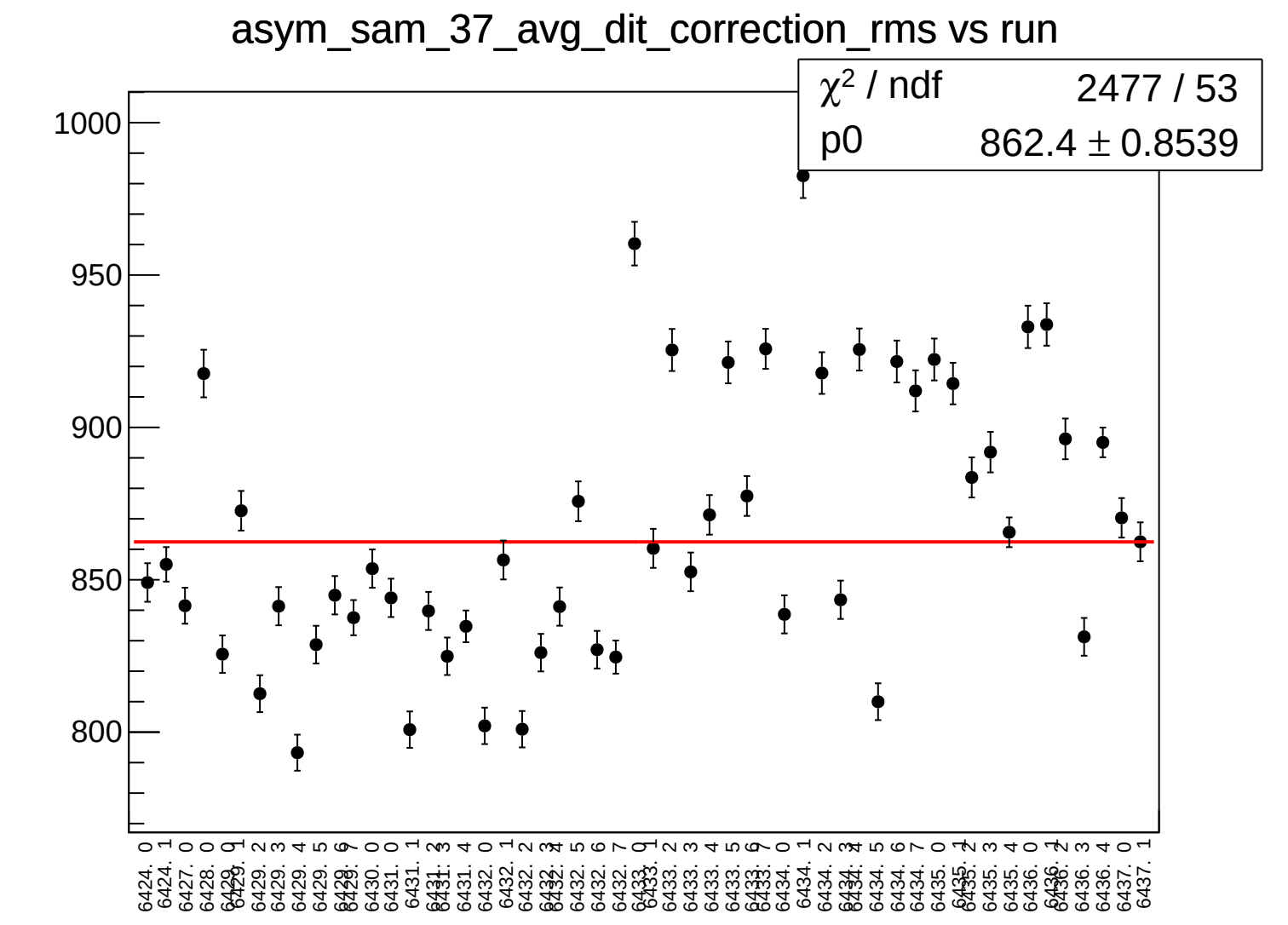

dit_asym_sam_37_avg_mean vs run
χ² / ndf 66.45 / 53
p0 115.8 ± 120.8
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 54.2
Std Dev 0
2
1
0
−1
−2
−3

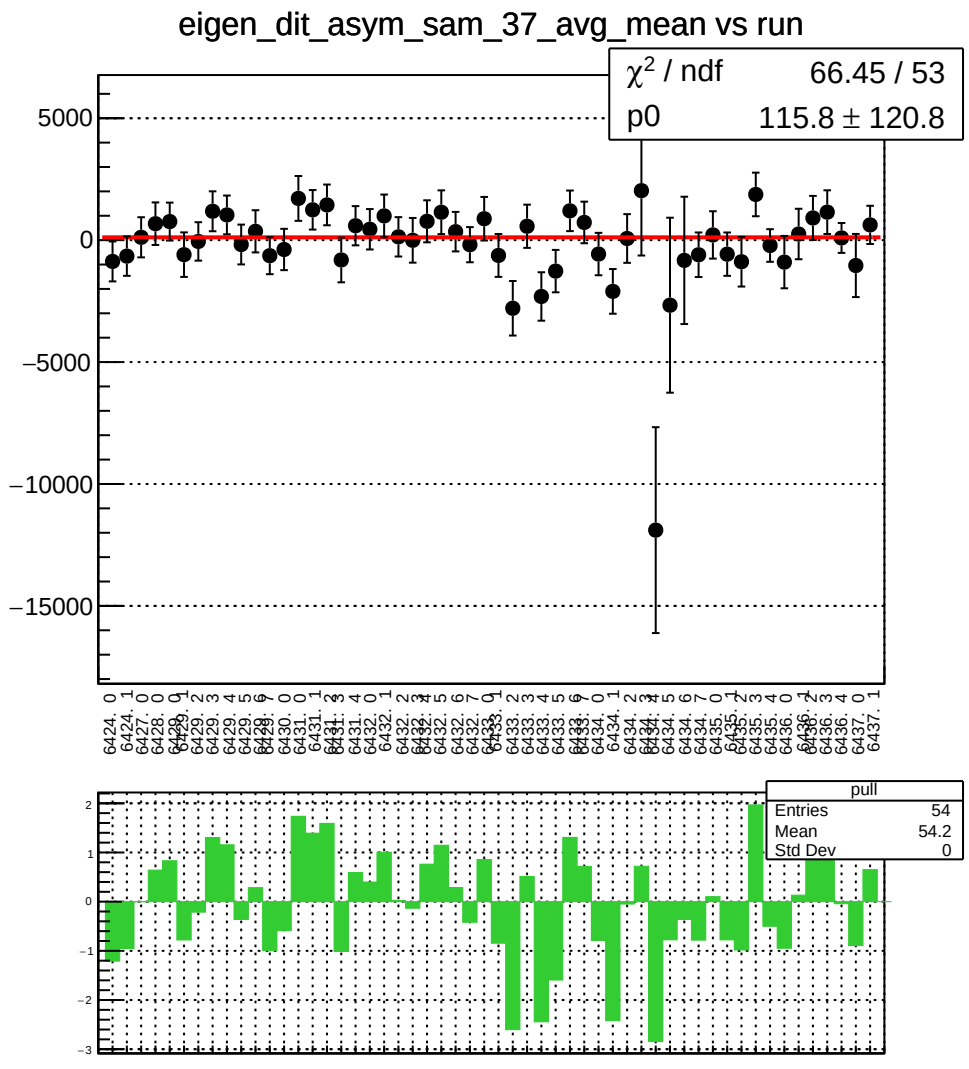

pull1D
Entries 54
Mean −0.07708
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

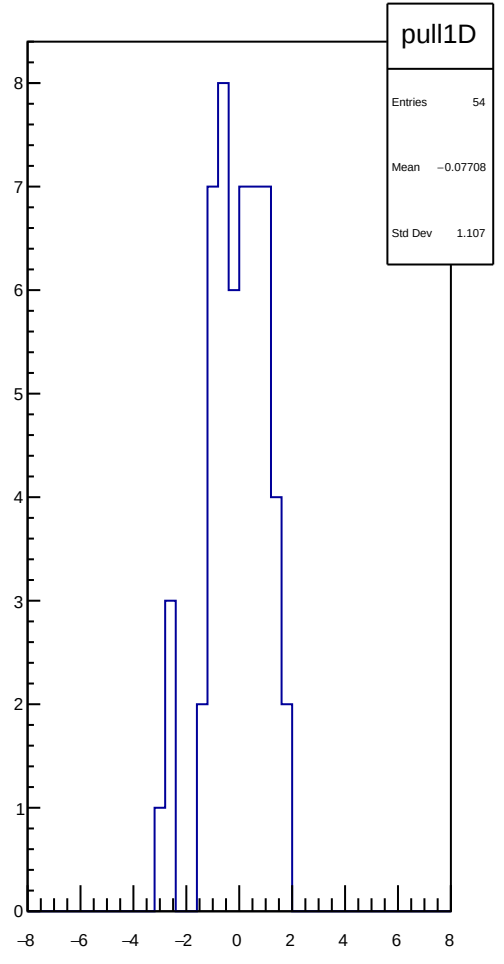

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.504e+04 / 53
p0 84.44 ± 0.08541
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

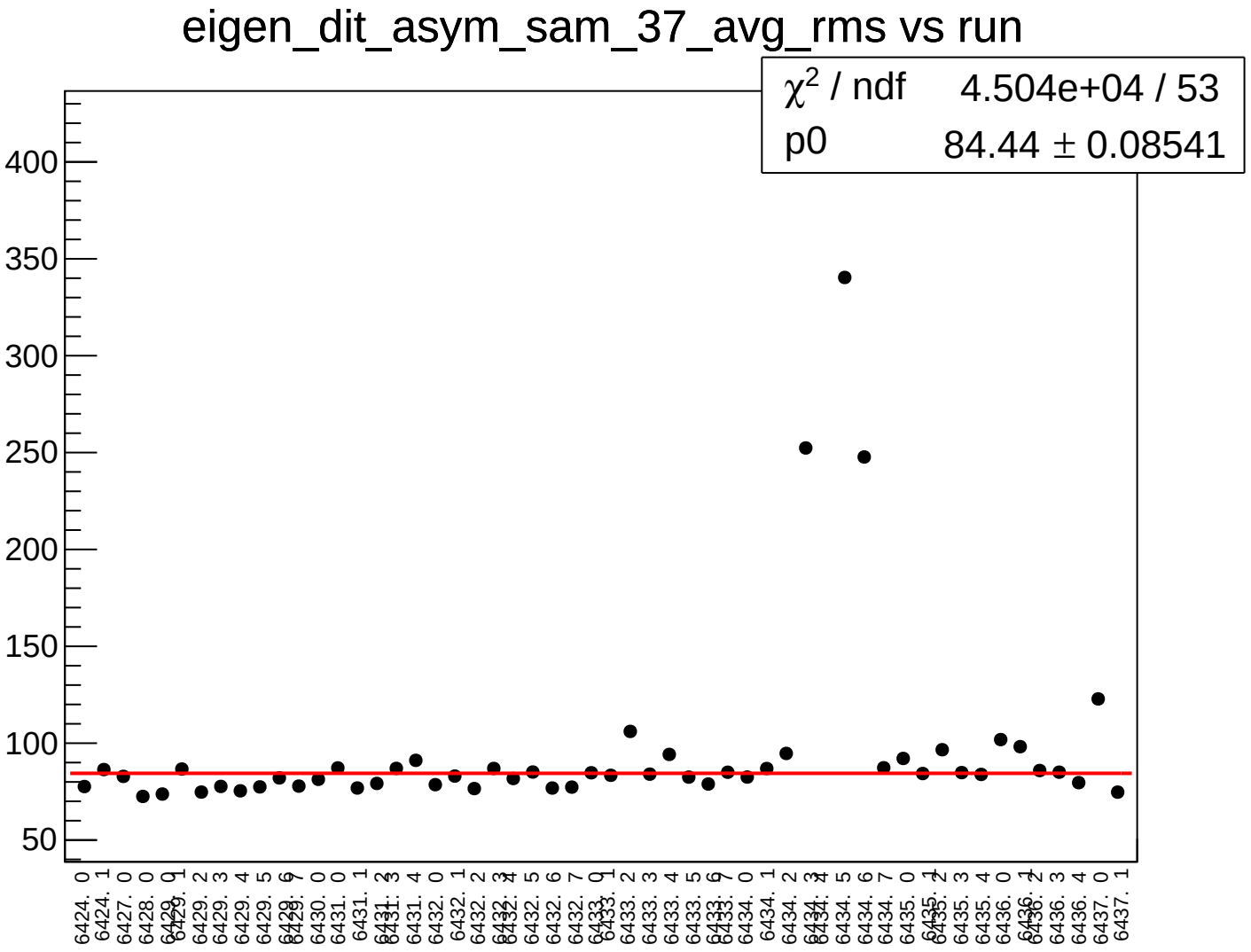

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 83.54 / 53
p0 1041 ± 1208
pull
Entries 54
Mean 72.04
Std Dev 0

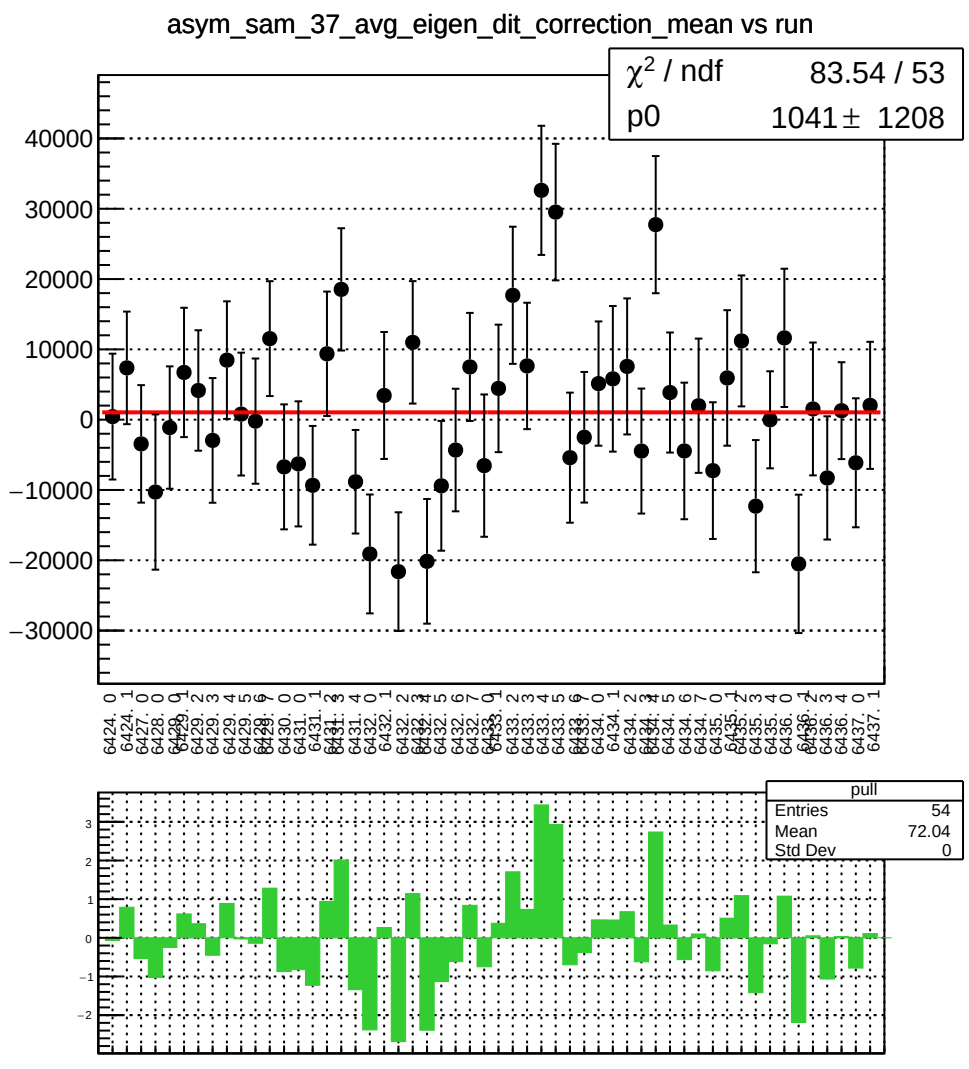

pull1D
Entries 54
Mean 0.009829
Std Dev 1.244

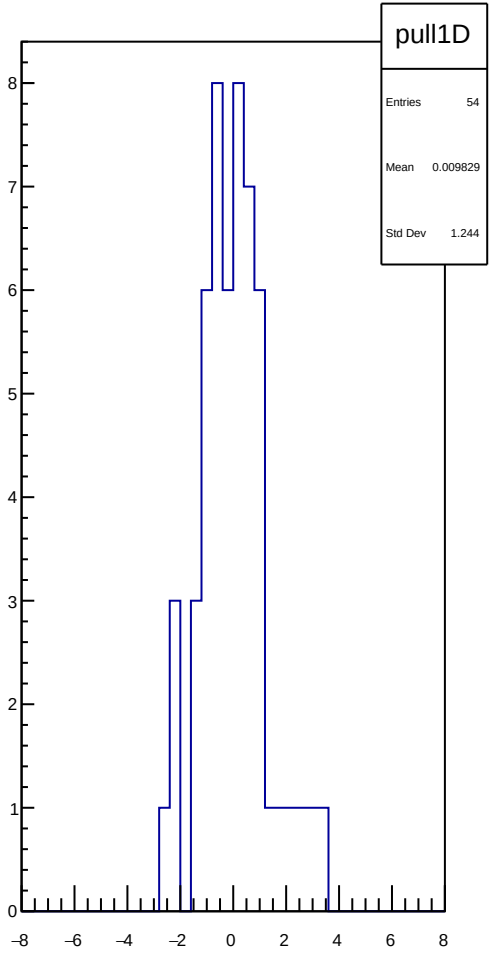

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 2477 / 53
p0 862.4 ± 0.8539
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

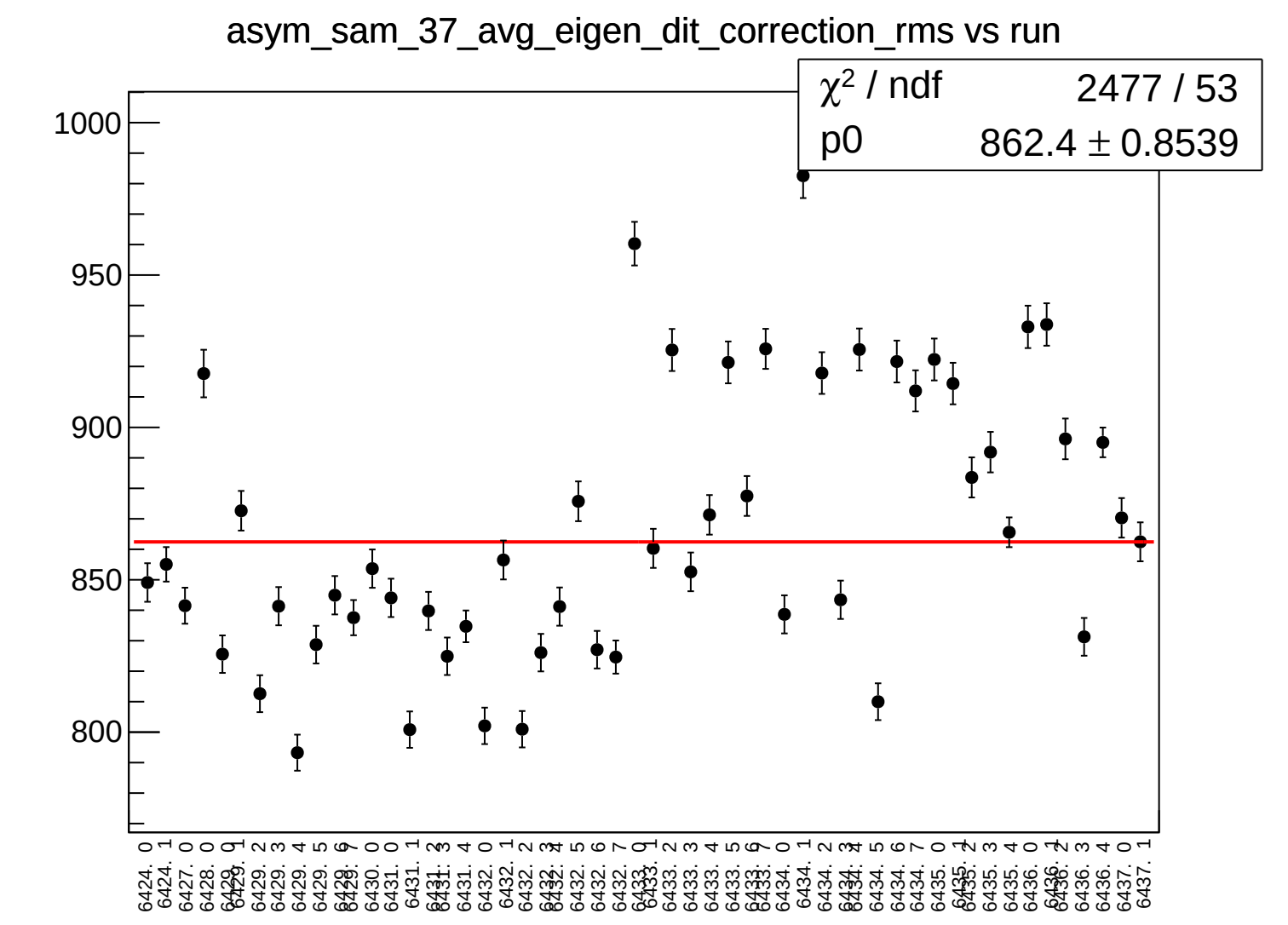

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 66.45 / 53
p0 115.8 ± 120.8
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 54.2
Std Dev 0
2
1
0
−1
−2
−3

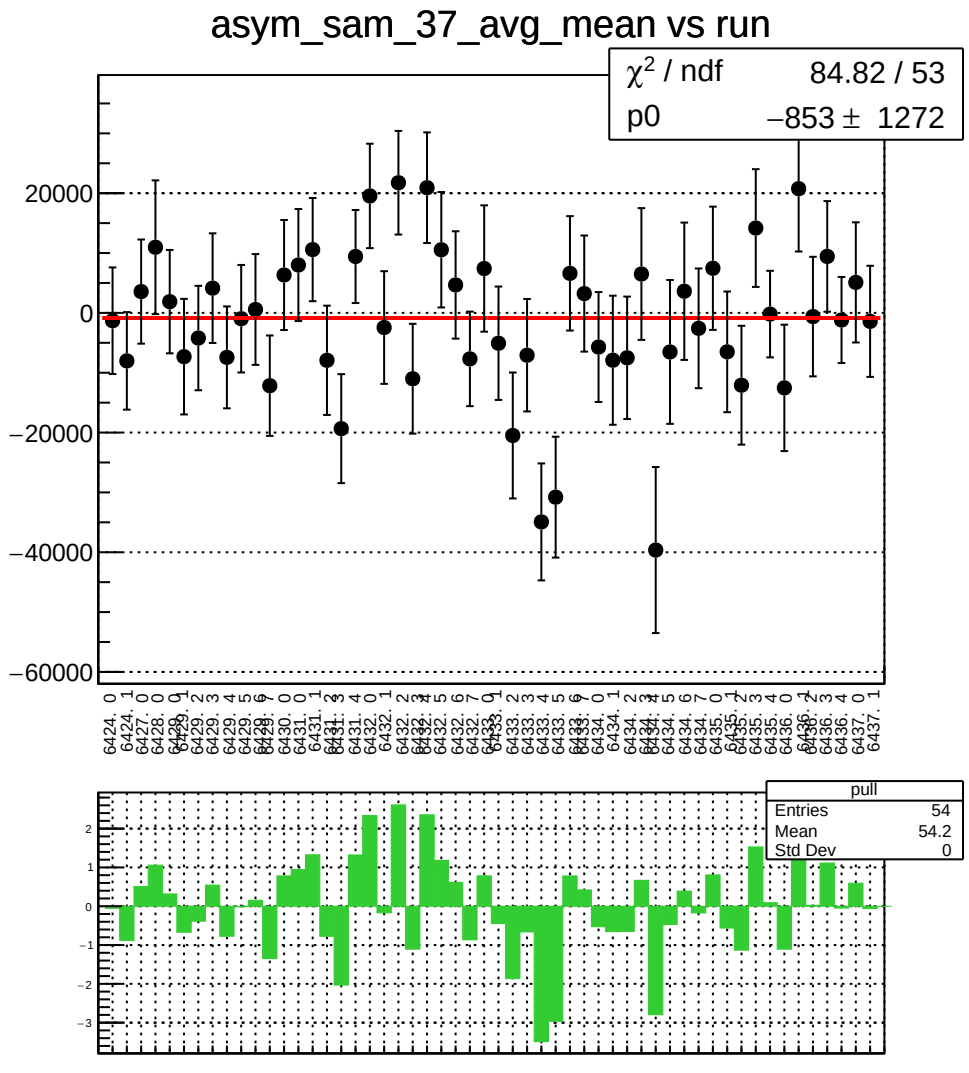

pull1D
Entries 54
Mean −0.07708
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

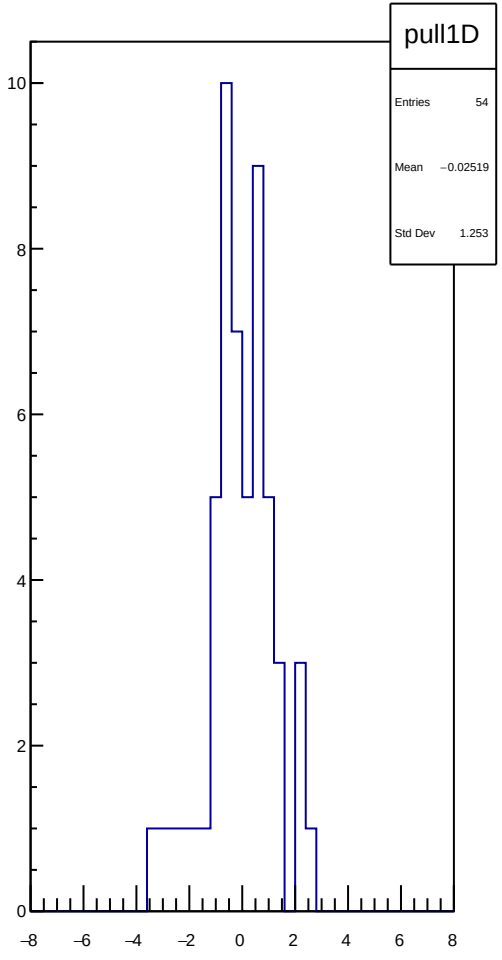

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.504e+04 / 53
p0 84.44 ± 0.08541
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

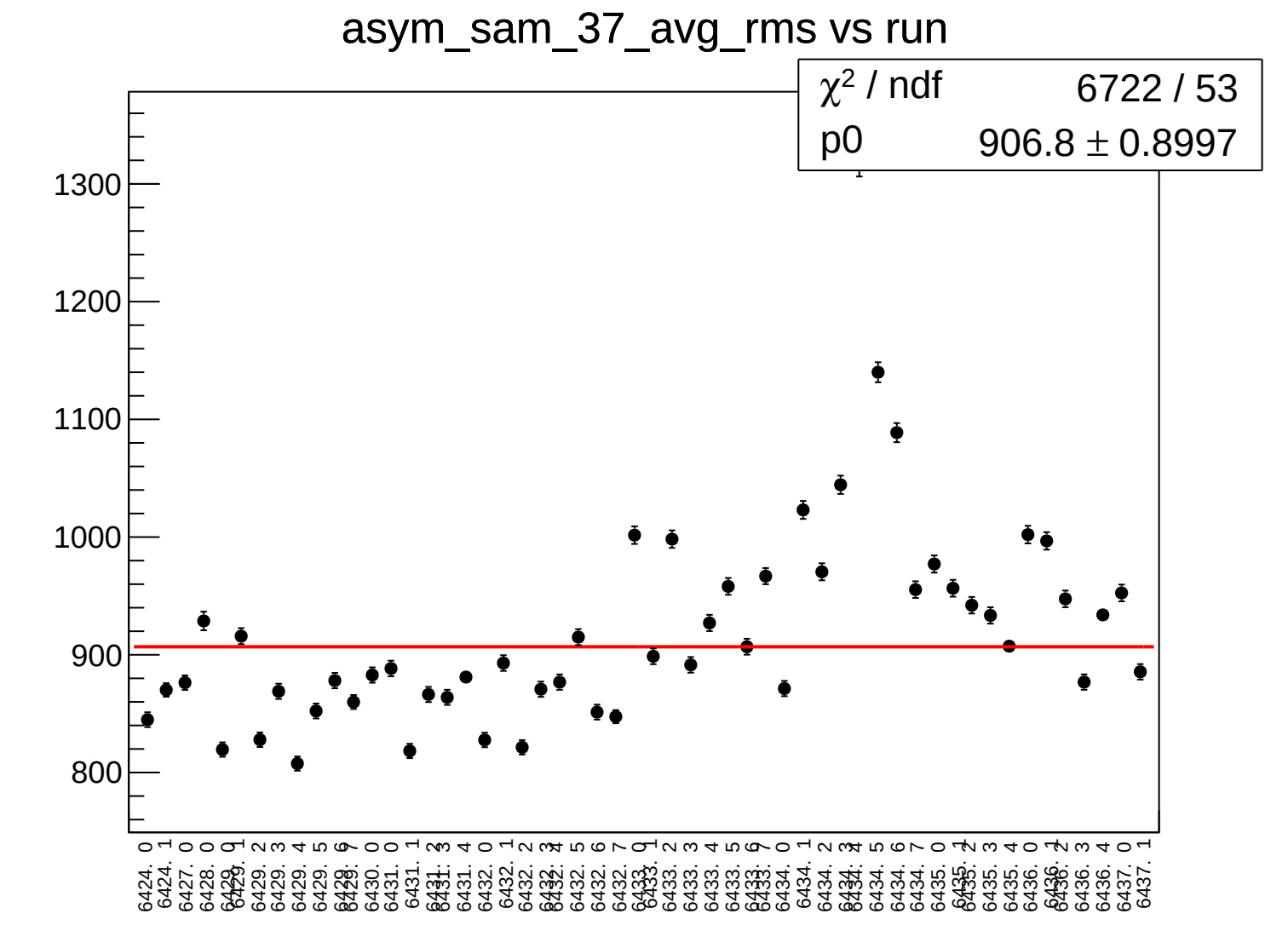

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.54 / 53
p0 1041 ± 1208
pull
Entries 54
Mean 72.04
Std Dev 0

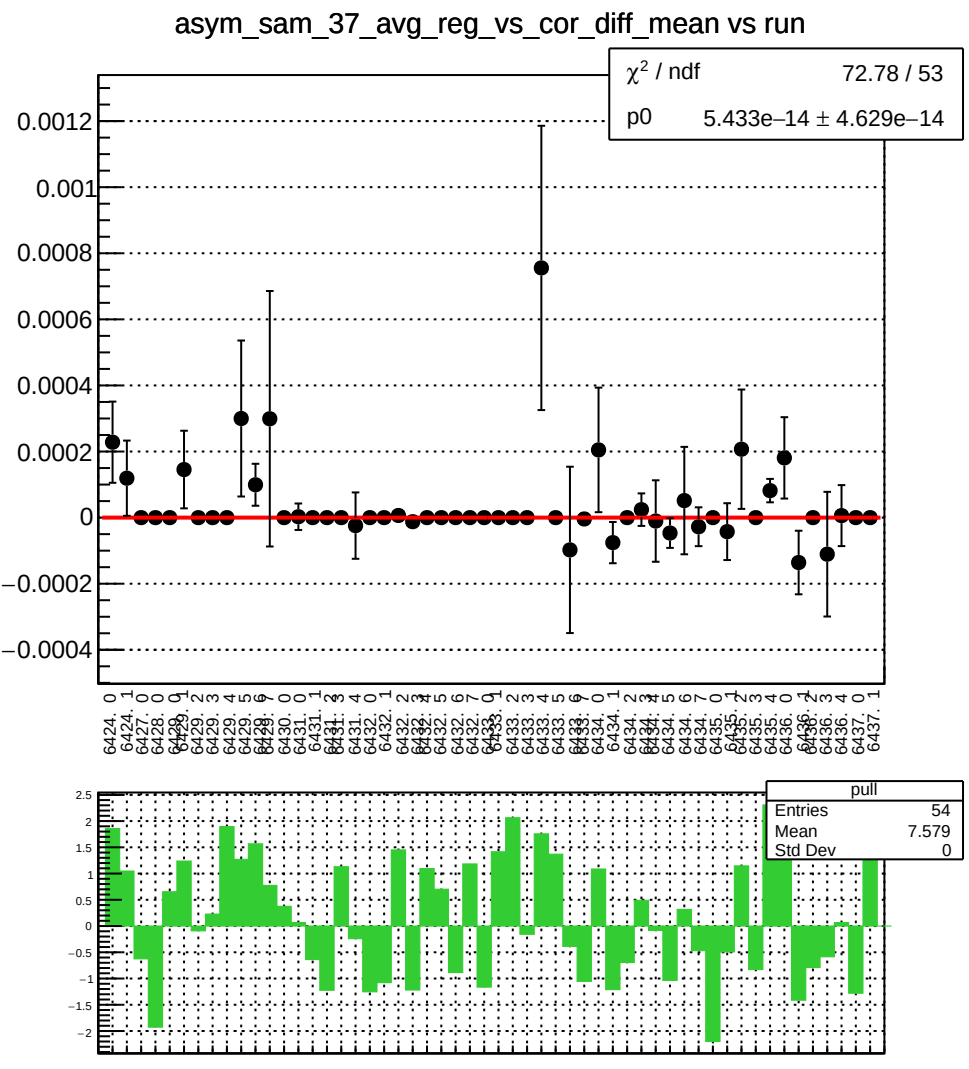

pull1D
Entries 54
Mean 0.009829
Std Dev 1.244

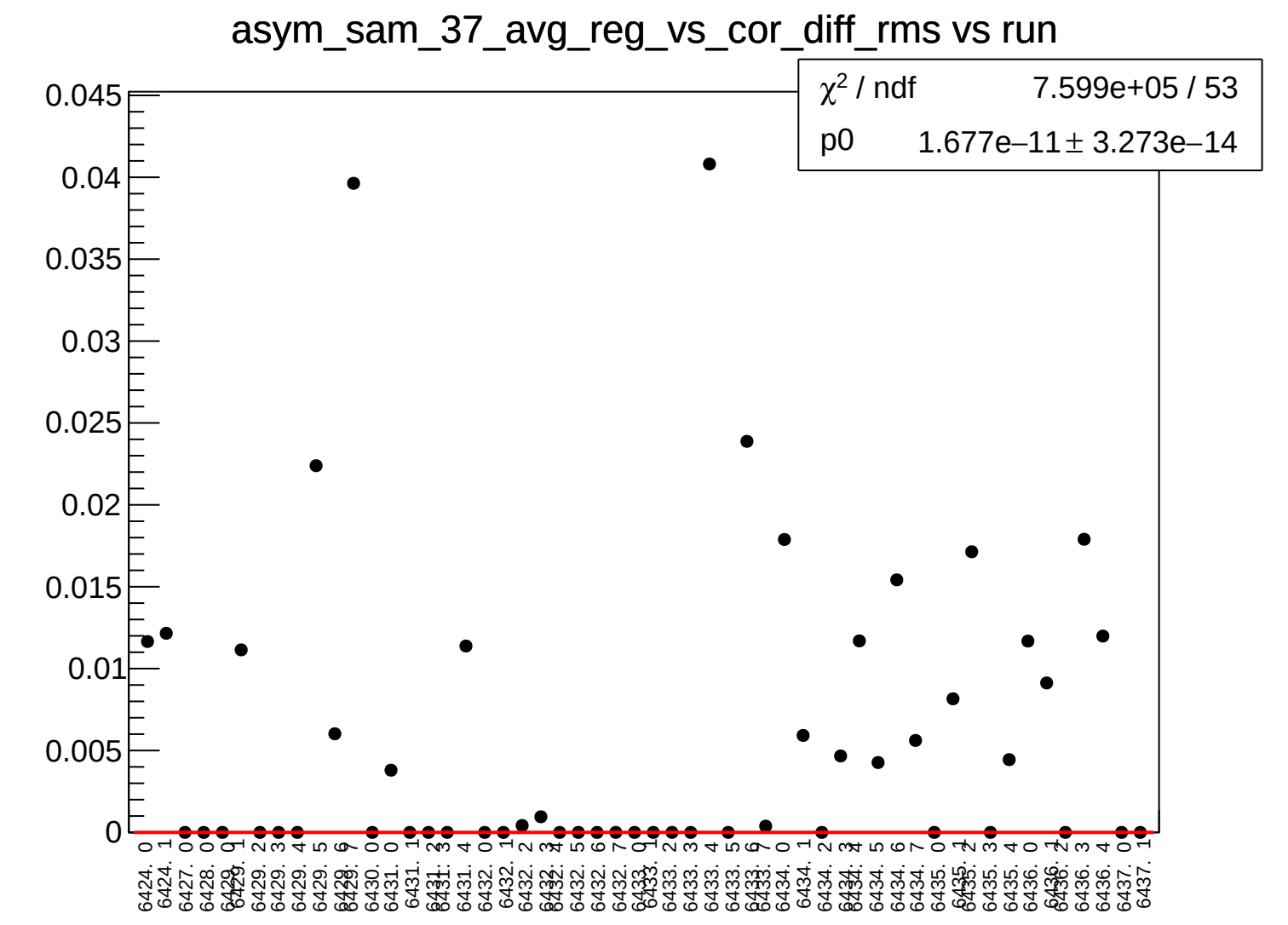

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 2477 / 53
p0 862.4 ± 0.8539
1000
950
900
850
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

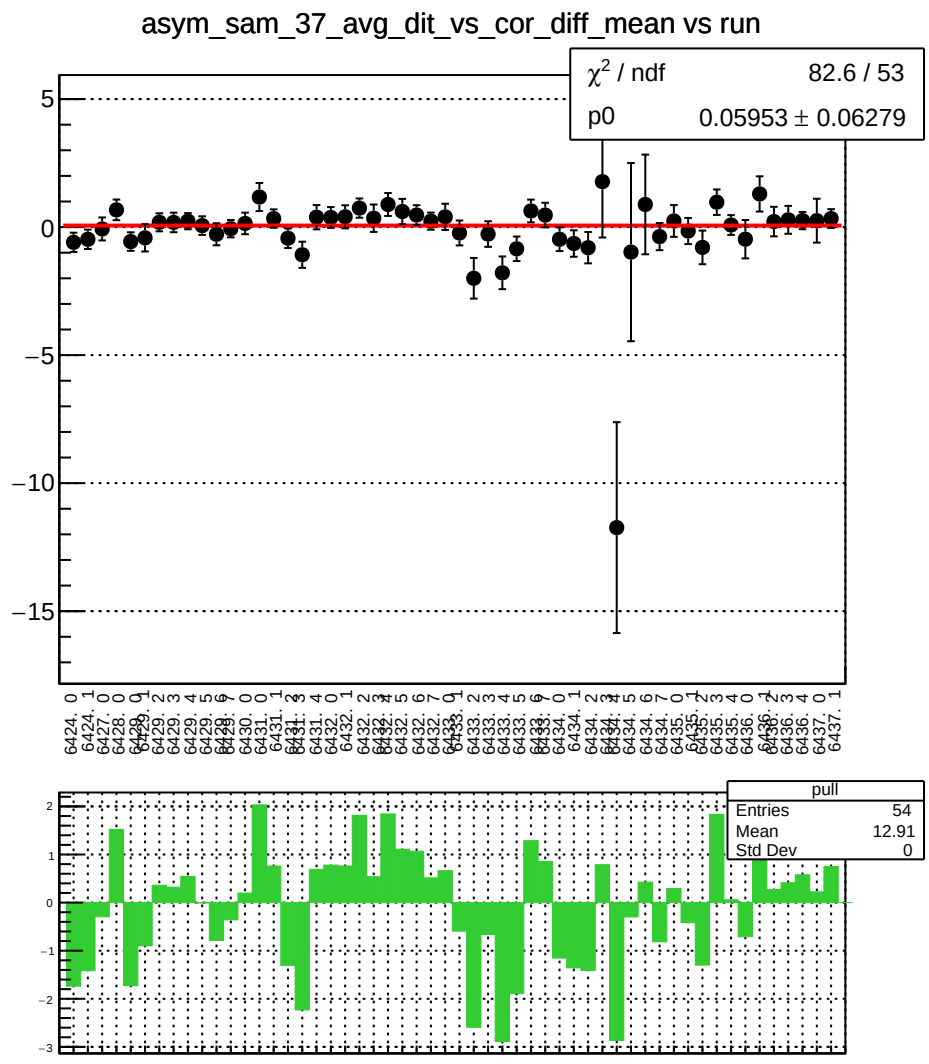

asym_sam_37_avg_mean vs run
χ² / ndf 84.82 / 53
p0 −853 ± 1272
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 54.2
Std Dev 0
2
1
0
−1
−2
−3

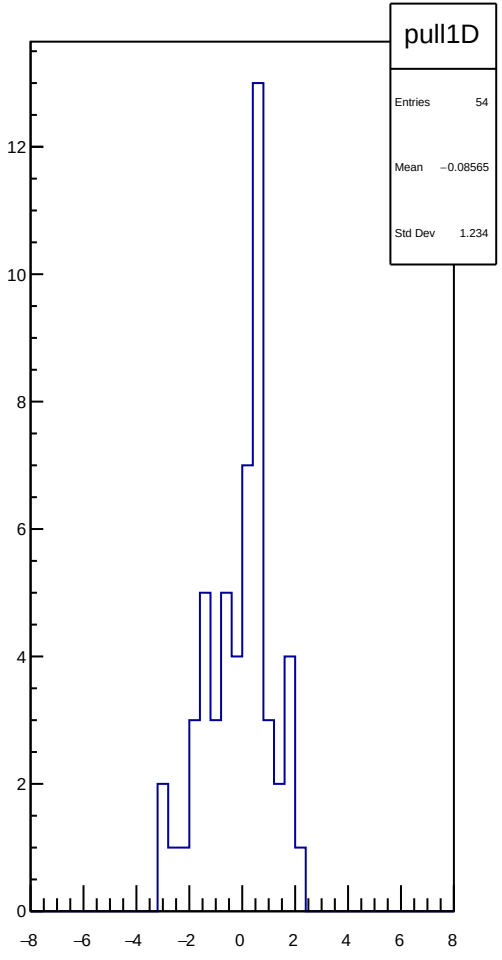

pull1D
Entries 54
Mean −0.02519
Std Dev 1.253
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

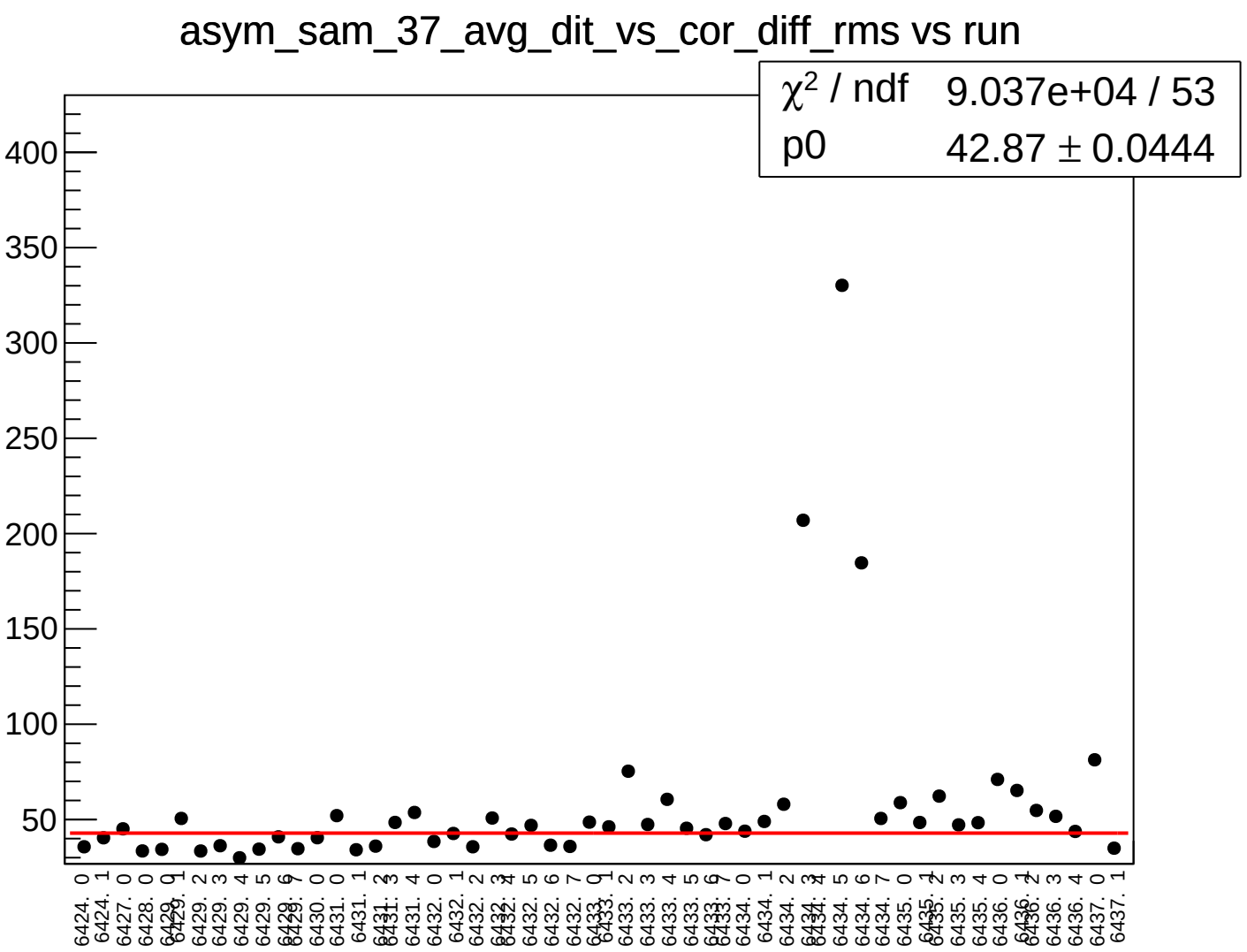

asym_sam_37_avg_rms vs run
χ² / ndf 6722 / 53
p0 906.8 ± 0.8997
1300
1200
1100
1000
900
800
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

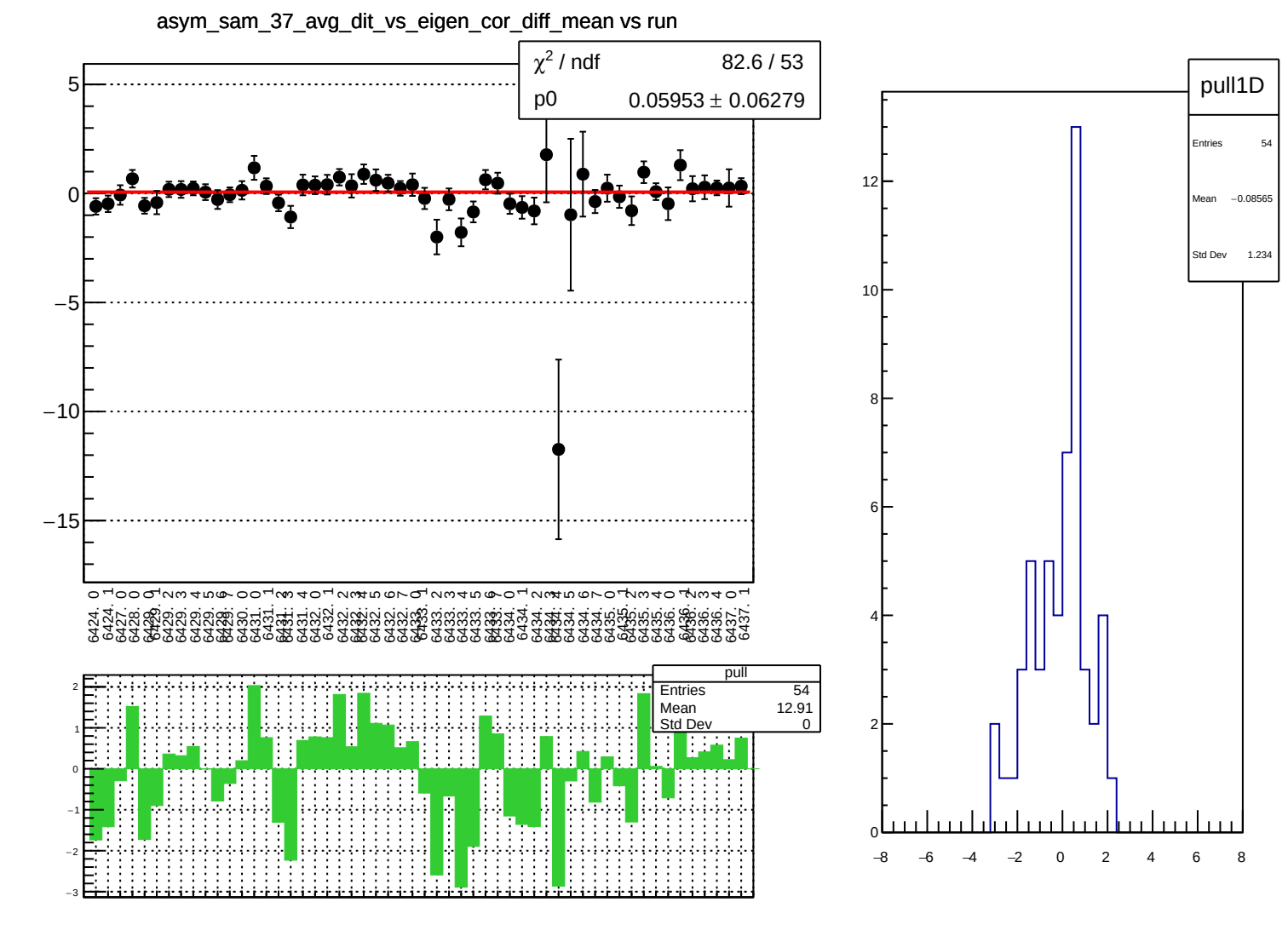

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.78 / 53
p0 5.433e−14 ± 4.629e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 7.579
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.1583
Std Dev 1.15
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

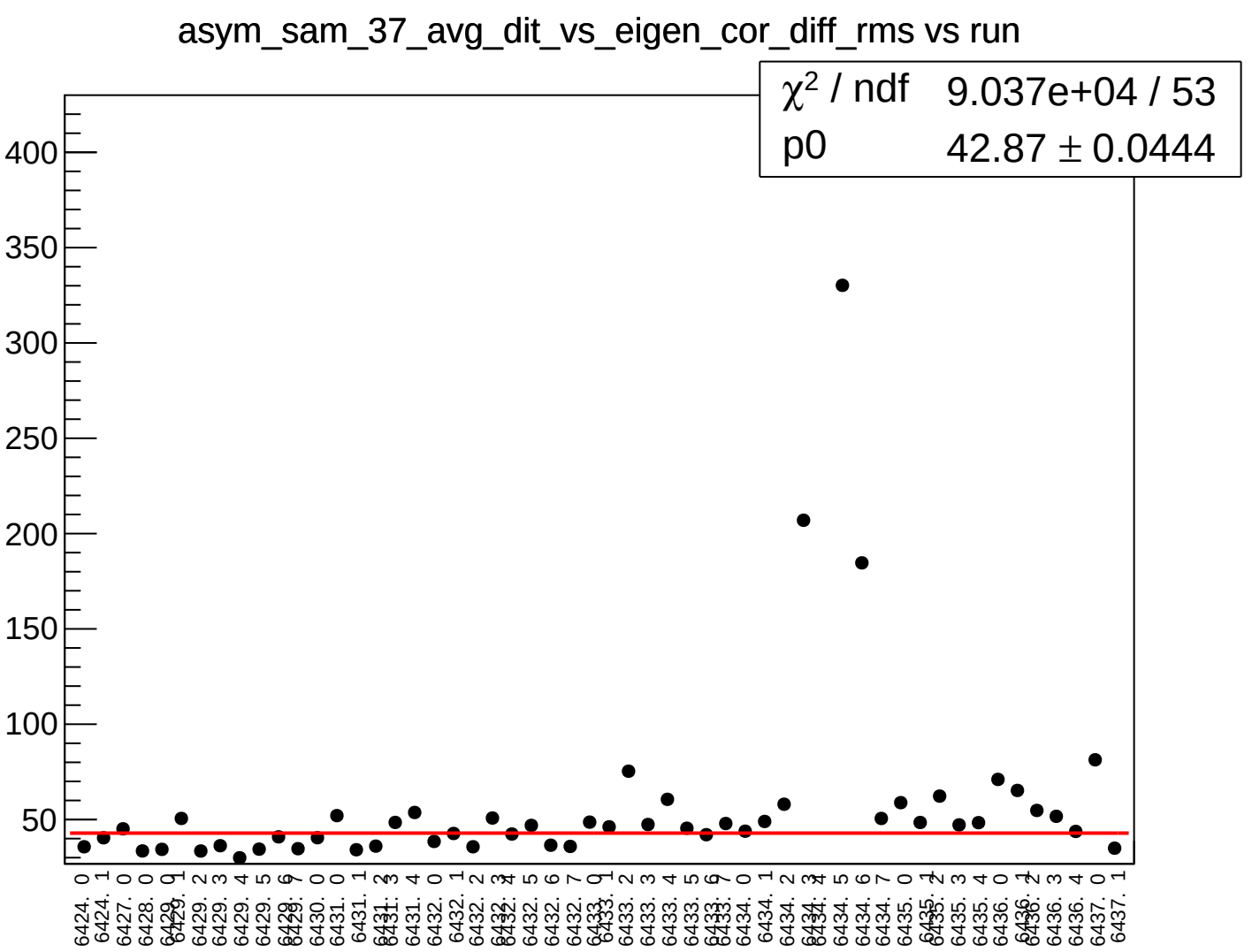

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.599e+05 / 53
p0 1.677e−11 ± 3.273e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

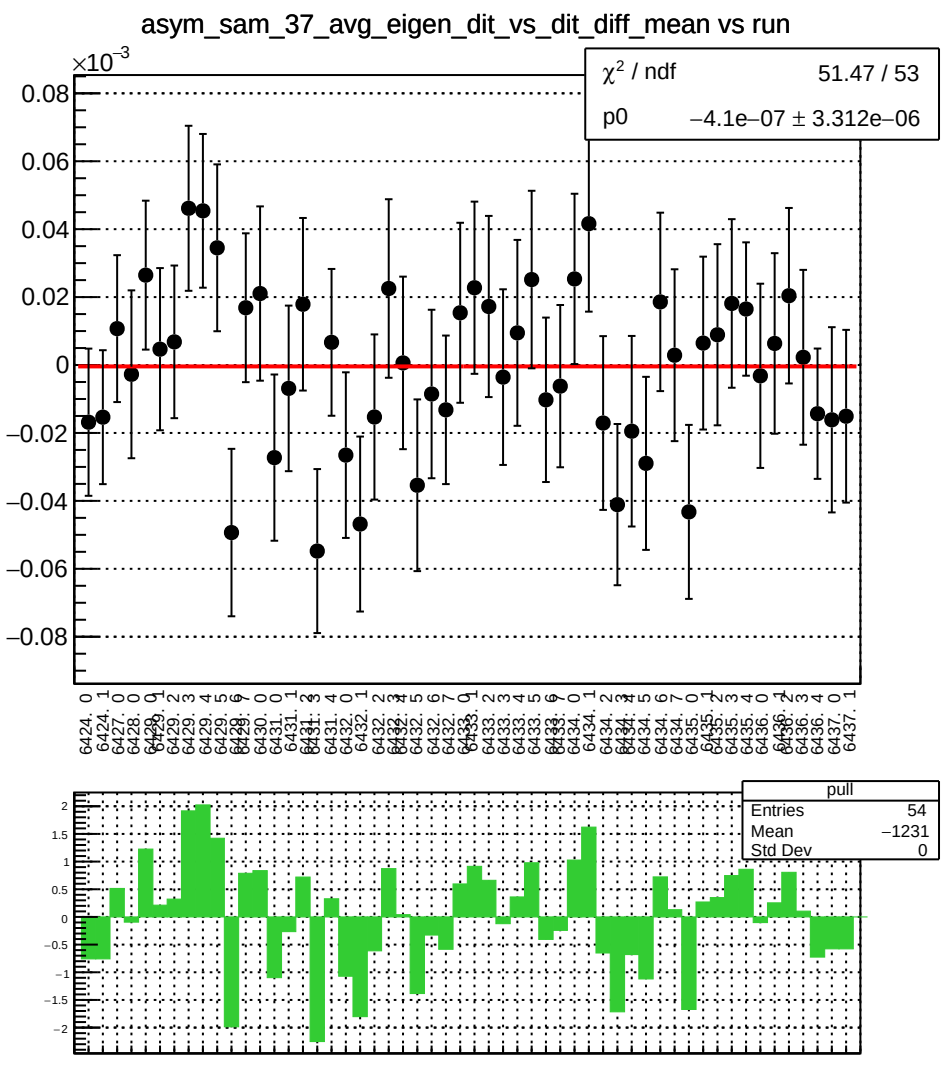

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.6 / 53
p0 0.05953 ± 0.06279
pull
Entries 54
Mean 12.91
Std Dev 0

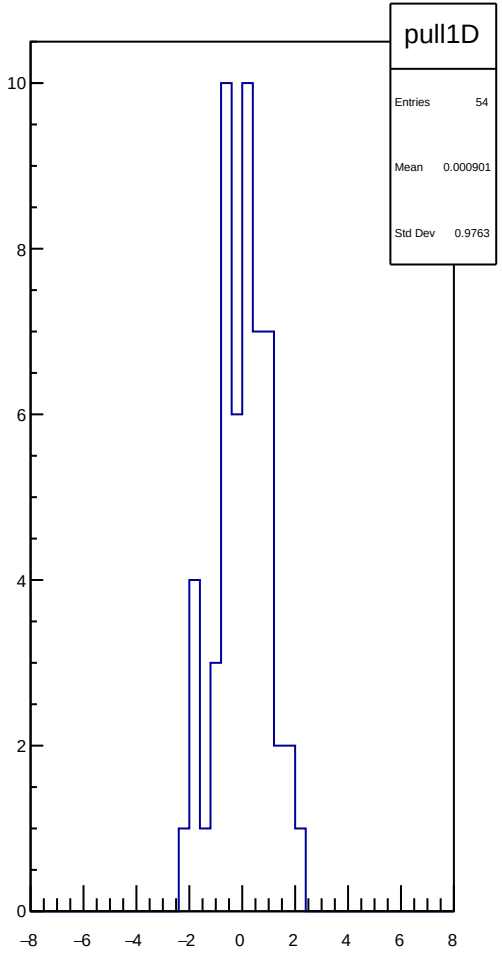

pull1D
Entries 54
Mean −0.08565
Std Dev 1.234

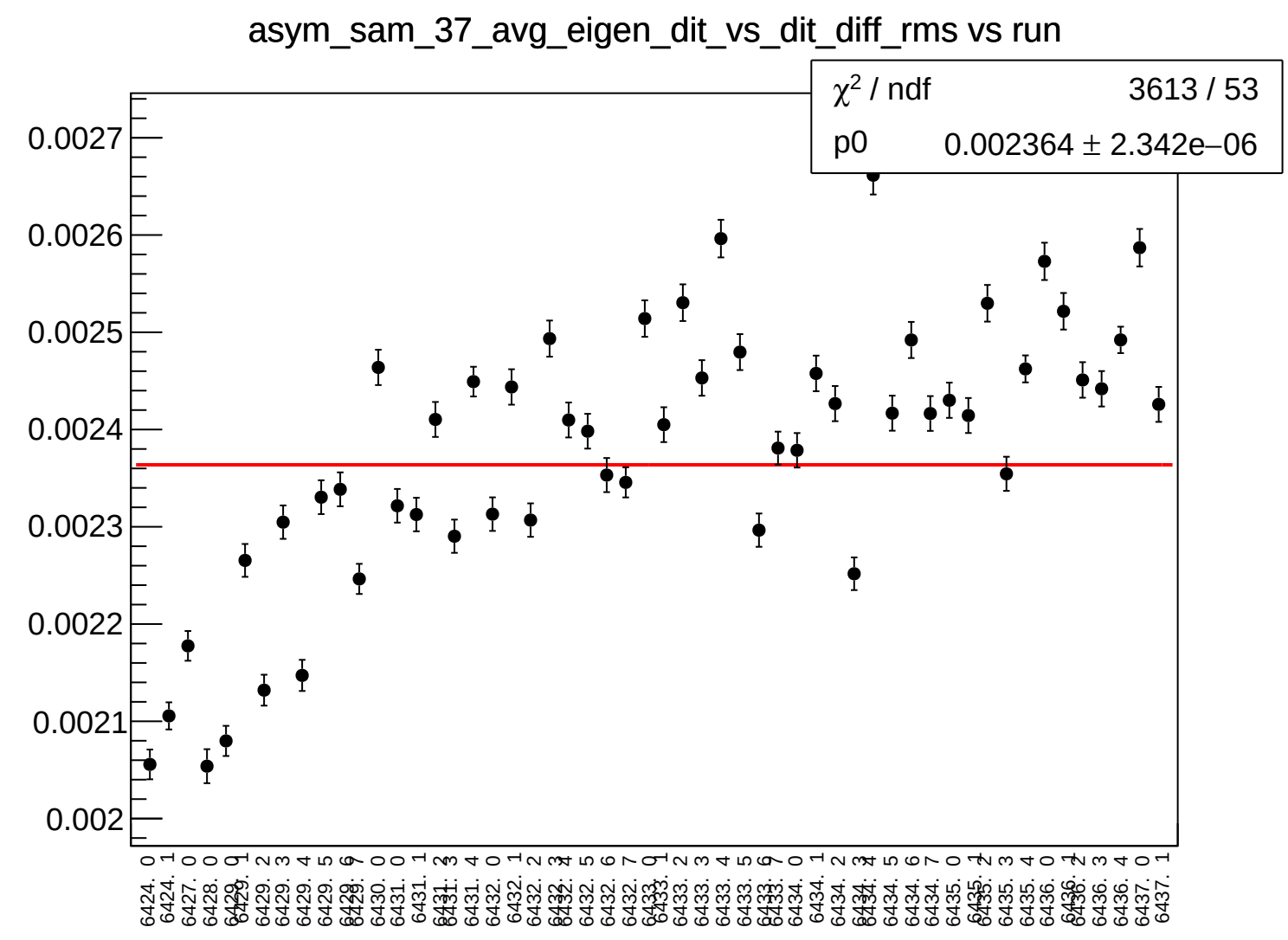

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.037e+04 / 53
p0 42.87 ± 0.0444
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.6 / 53
p0 0.05953 ± 0.06279
pull
Entries 54
Mean 12.91
Std Dev 0
pull1D
Entries 54
Mean −0.08565
Std Dev 1.234


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.037e+04 / 53
p0 42.87 ± 0.0444
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.47 / 53
p0 −4.1e−07 ± 3.312e−06
pull
Entries 54
Mean −1231
Std Dev 0


pull1D
Entries 54
Mean 0.000901
Std Dev 0.9763


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3613 / 53
p0 0.002364 ± 2.342e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 5
6434. 0
6434. 1
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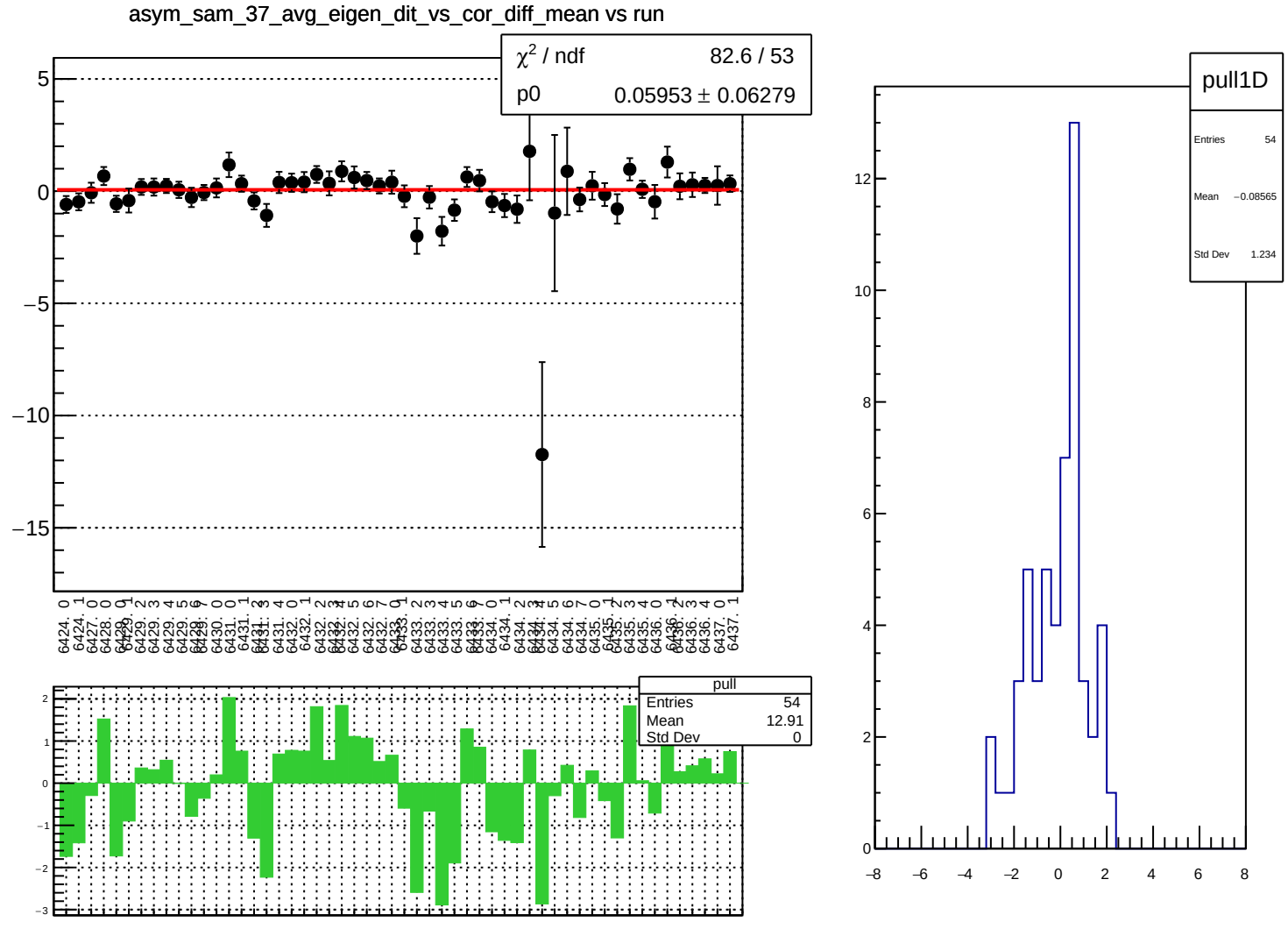
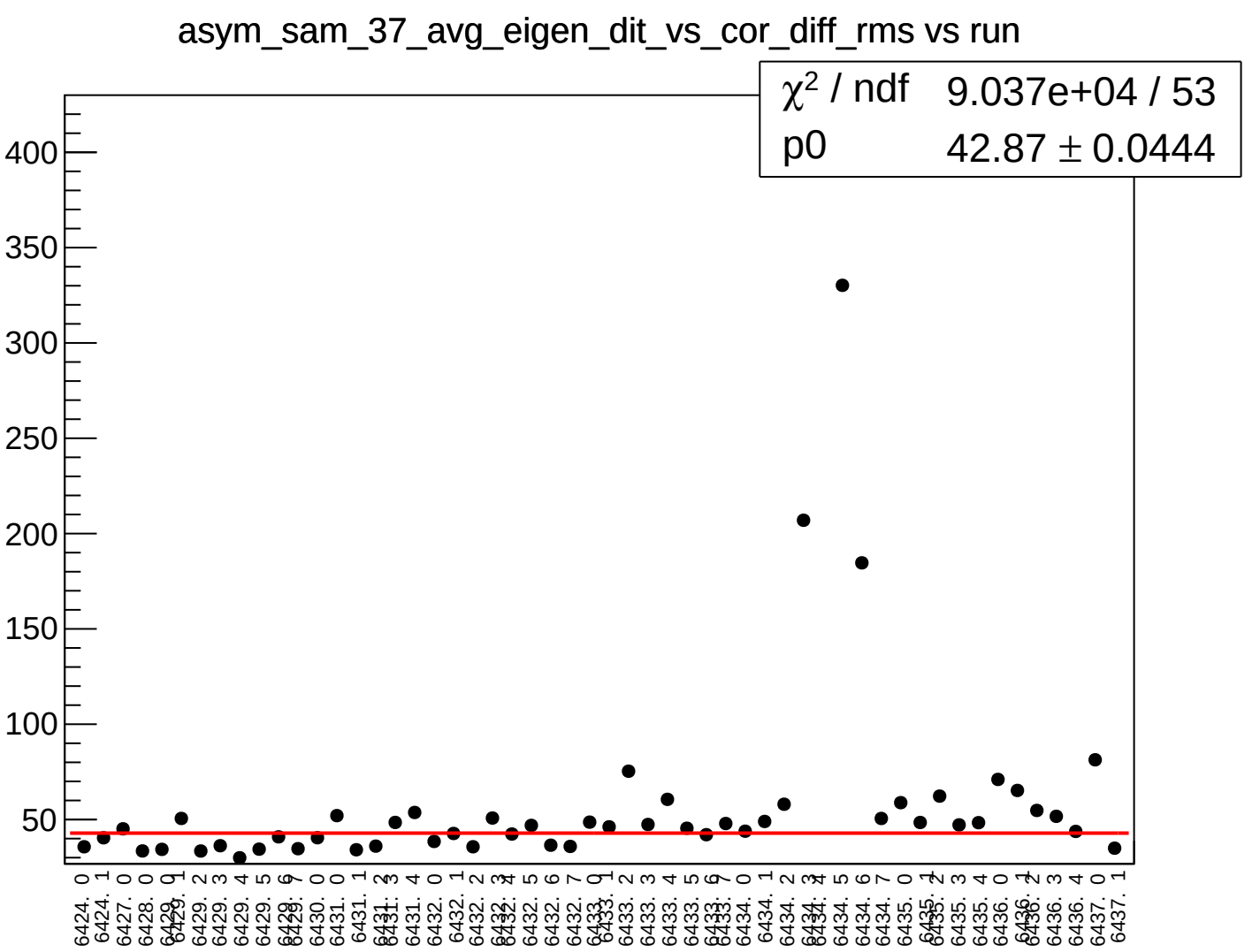
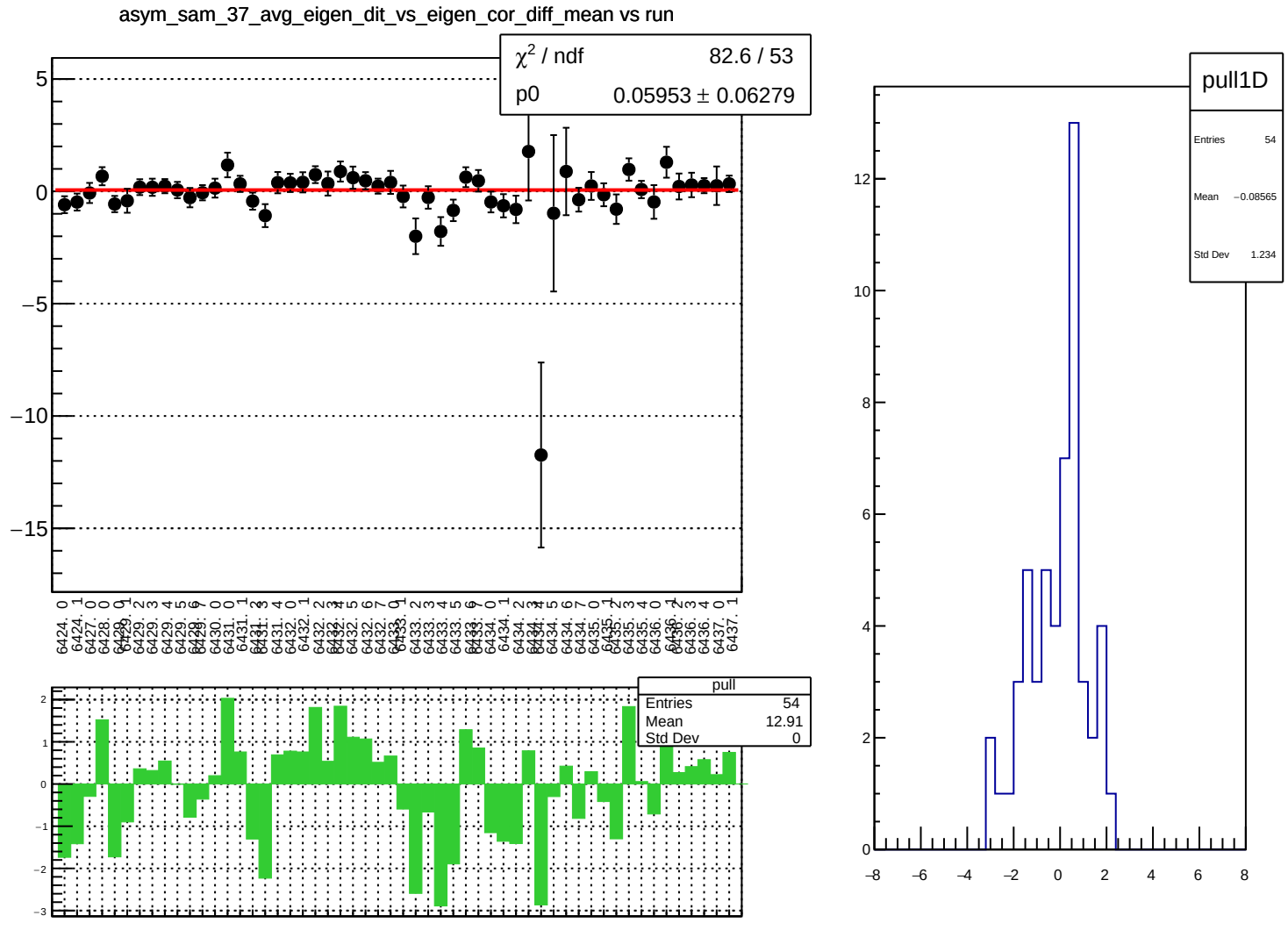
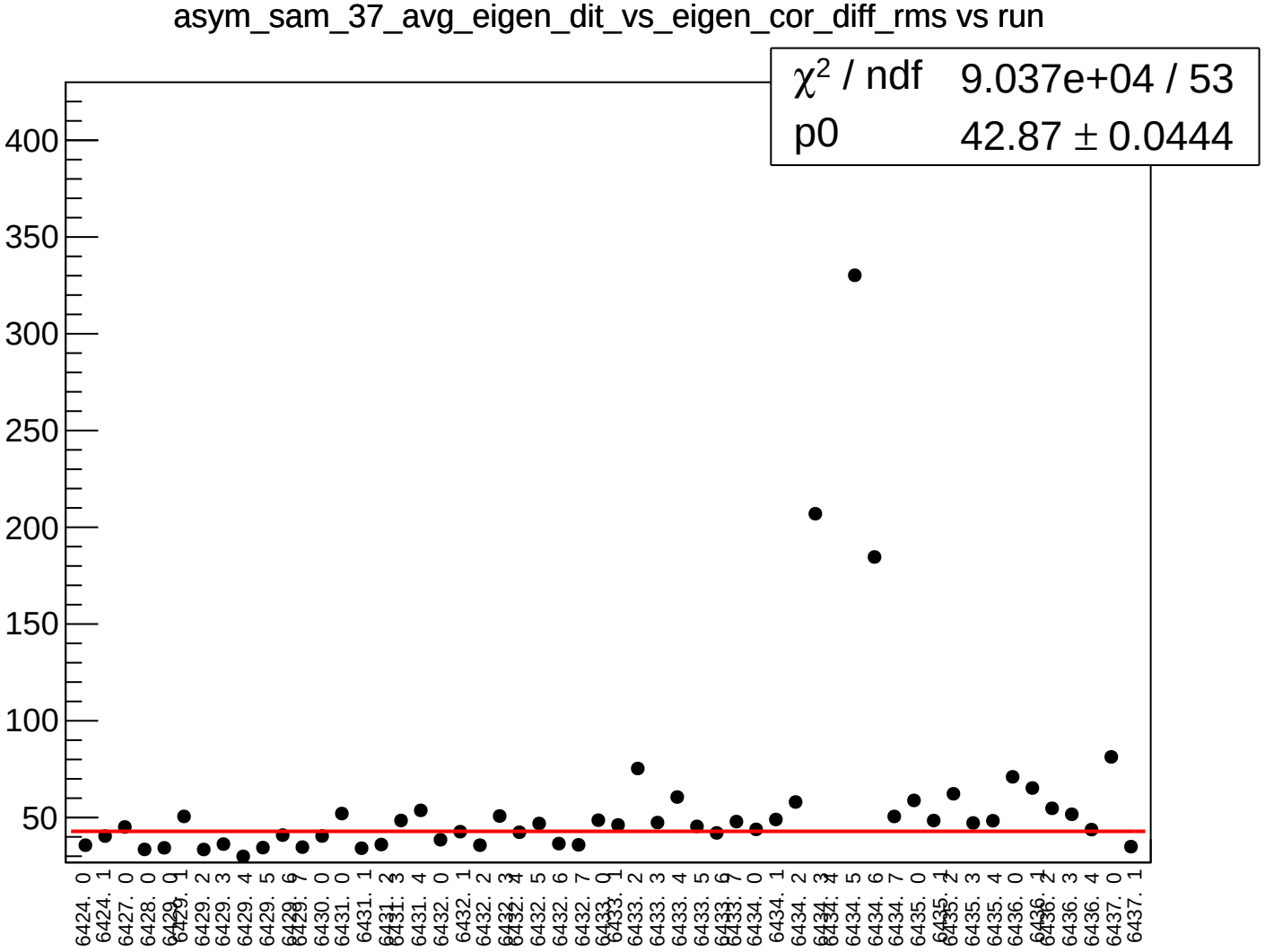
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.6 / 53
p0 0.05953 ± 0.06279
pull
Entries 54
Mean 12.91
Std Dev 0
pull1D
Entries 54
Mean −0.08565
Std Dev 1.234


asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.037e+04 / 53
p0 42.87 ± 0.0444
400
350
300
250
200
150
100
50


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.6 / 53
p0 0.05953 ± 0.06279
pull
Entries 54
Mean 12.91
Std Dev 0
pull1D
Entries 54
Mean −0.08565
Std Dev 1.234


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.037e+04 / 53
p0 42.87 ± 0.0444
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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6434. 5
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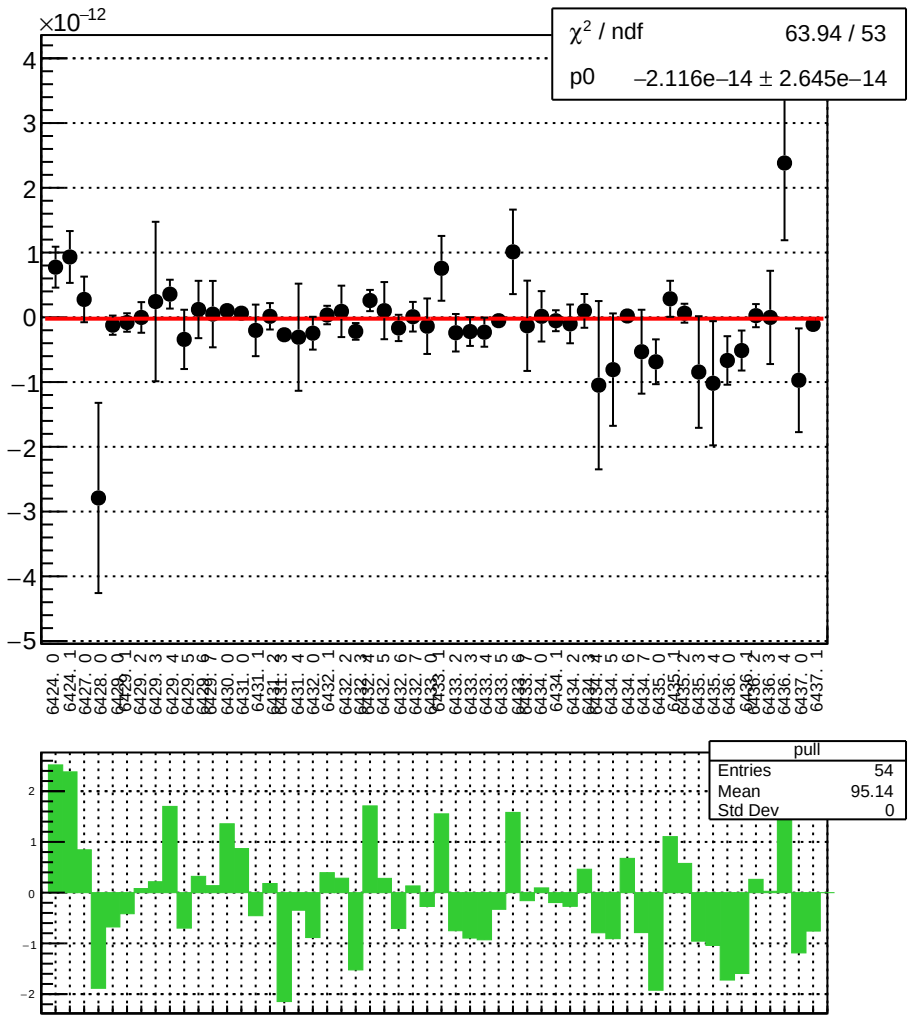
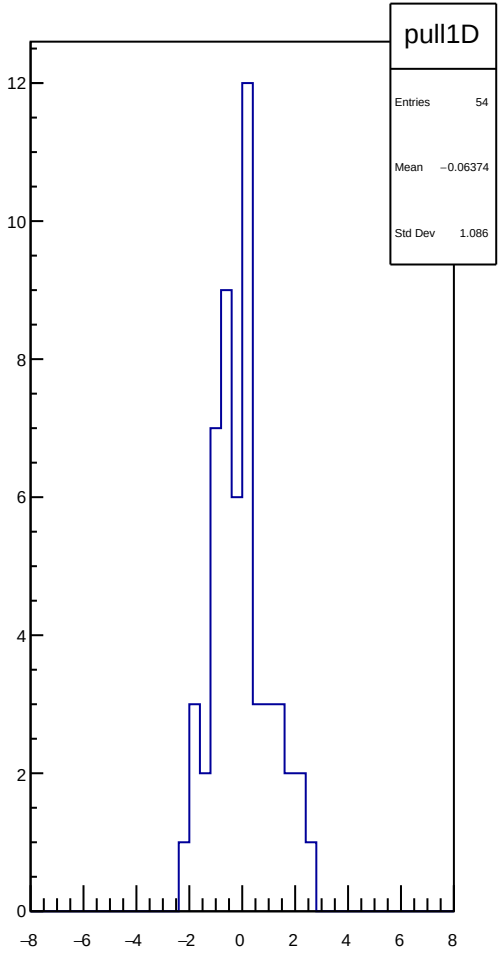
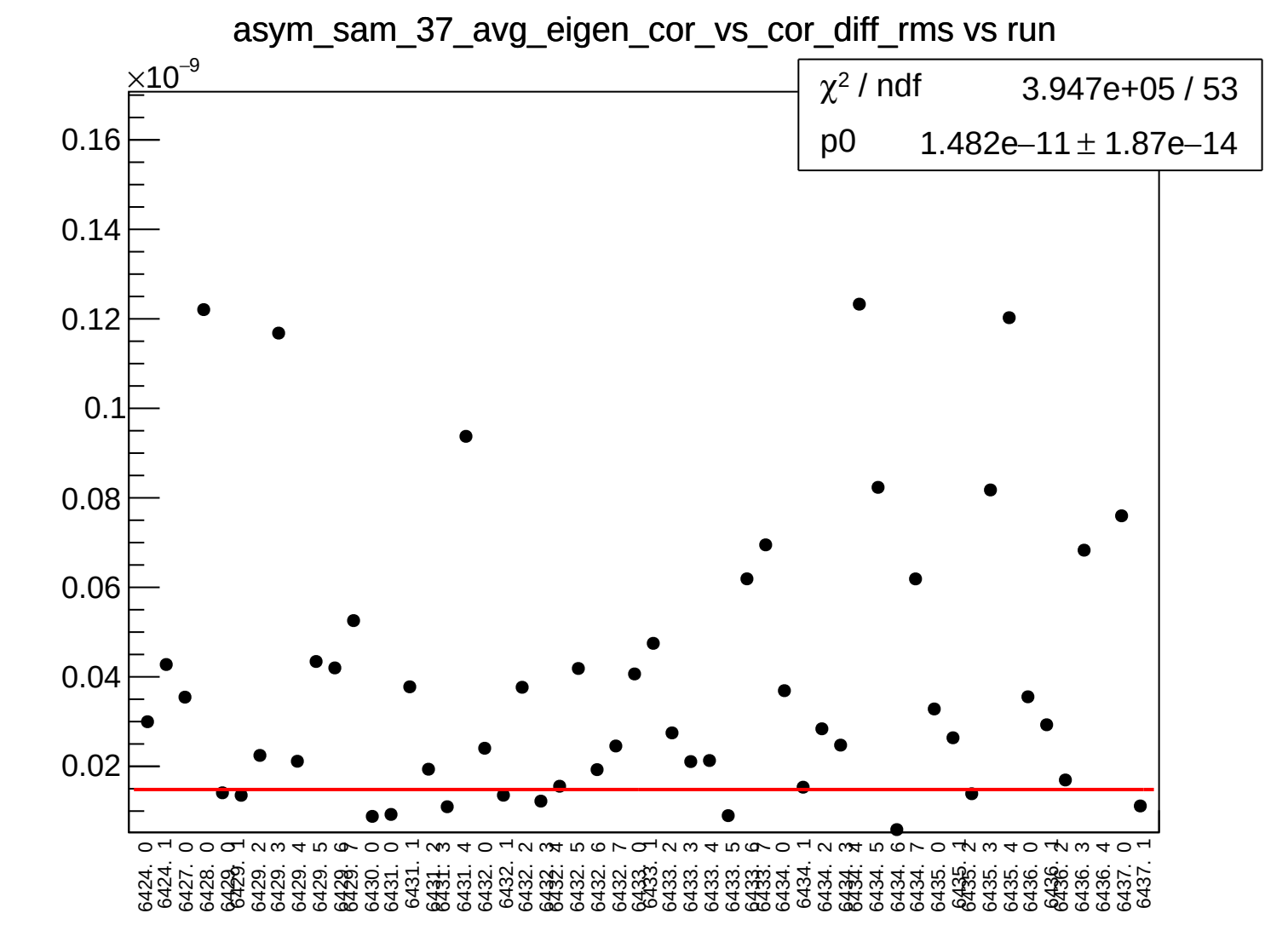
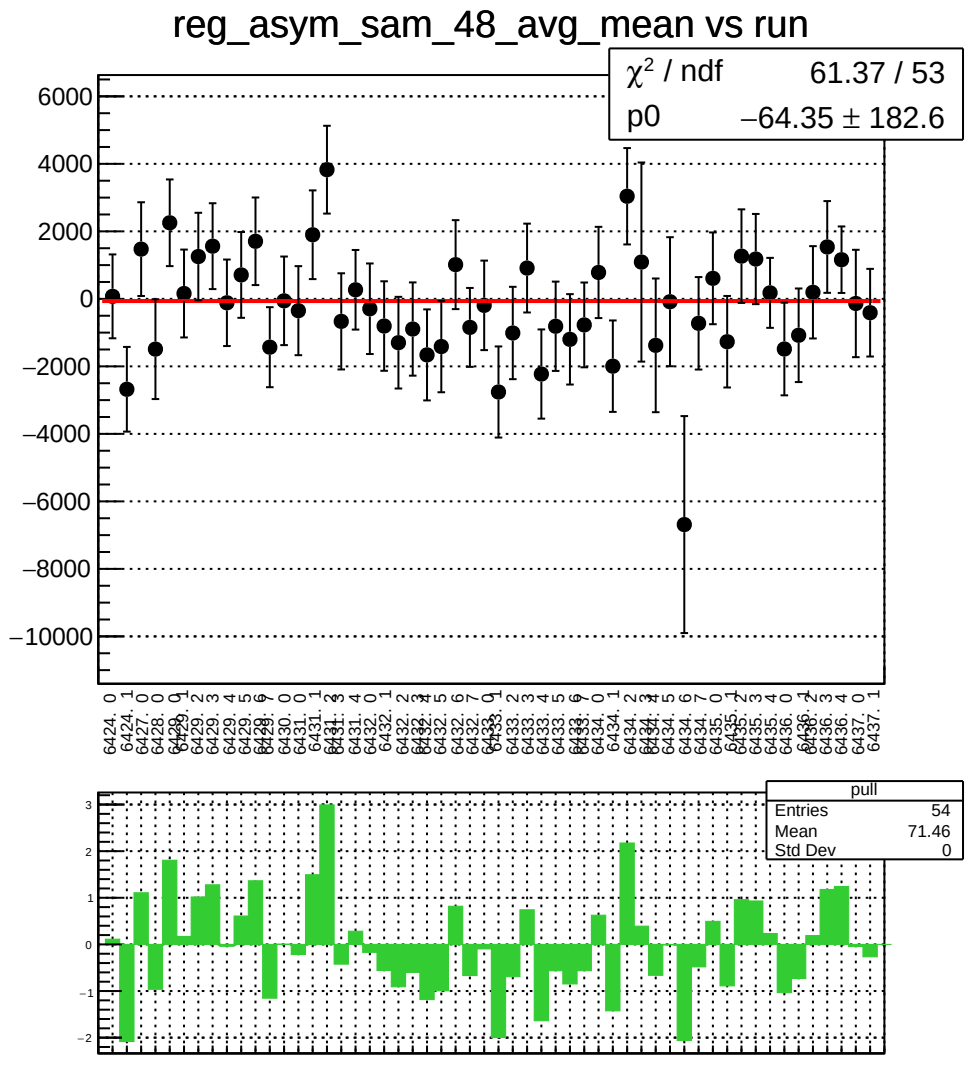
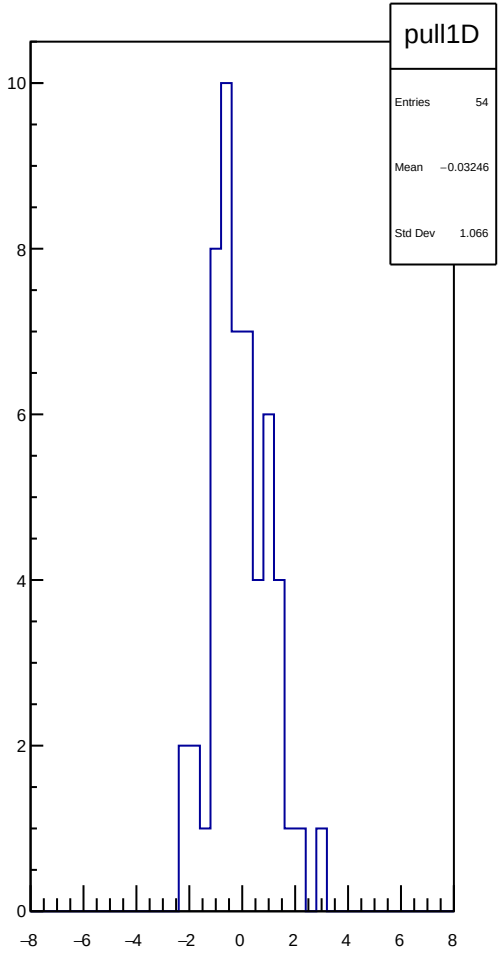
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

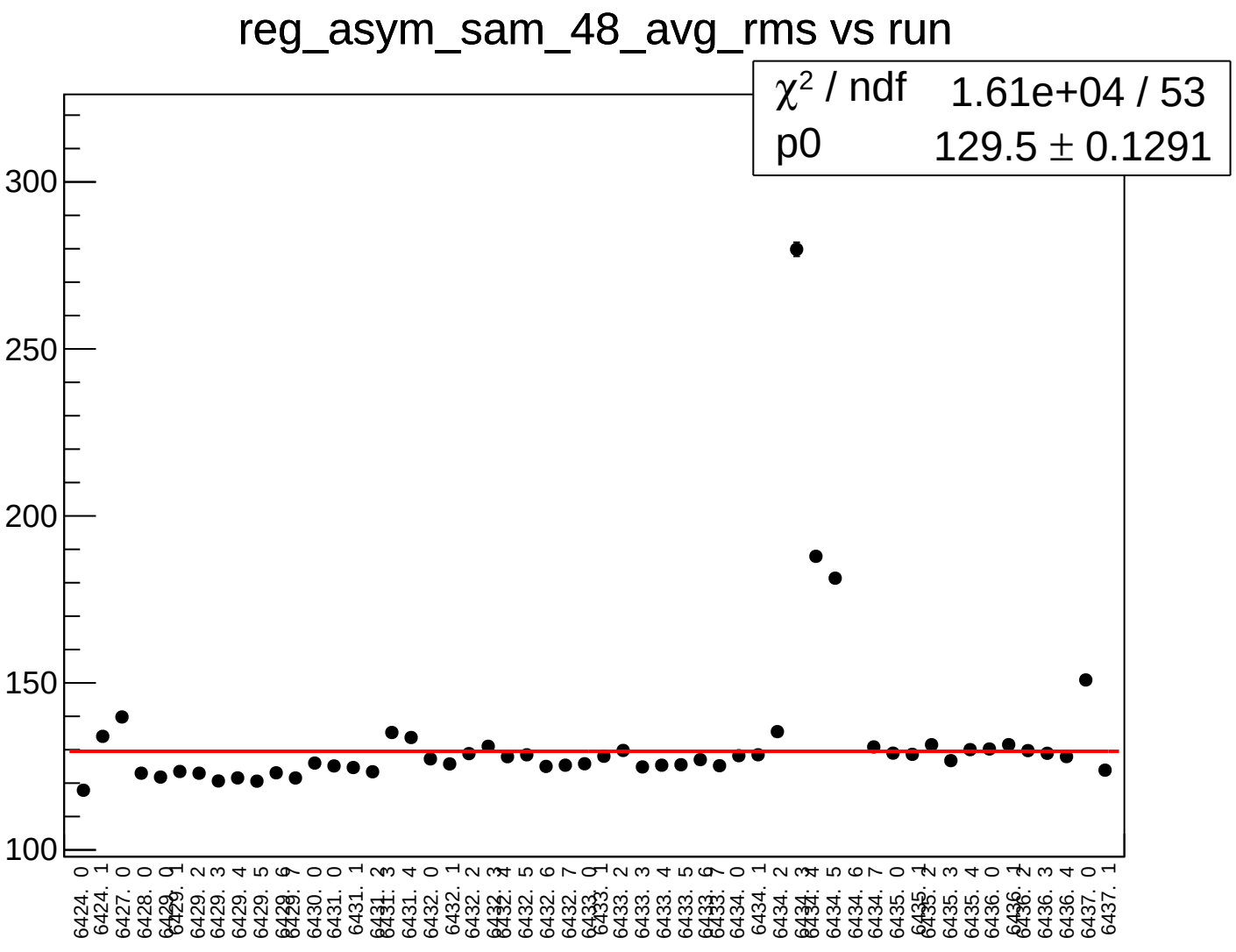

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.94 / 53
p0 −2.116e−14 ± 2.645e−14
pull
Entries 54
Mean 95.14
Std Dev 0

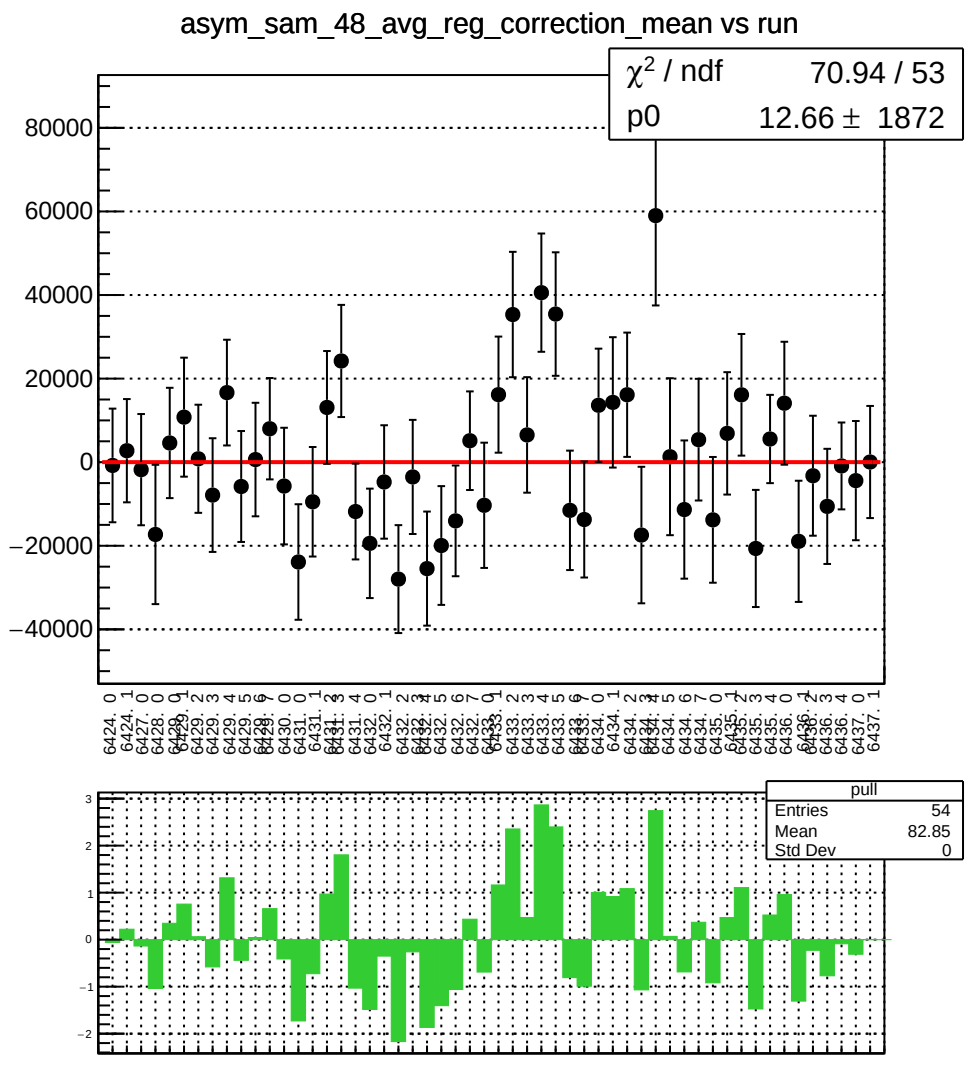

pull1D
Entries 54
Mean −0.06374
Std Dev 1.086

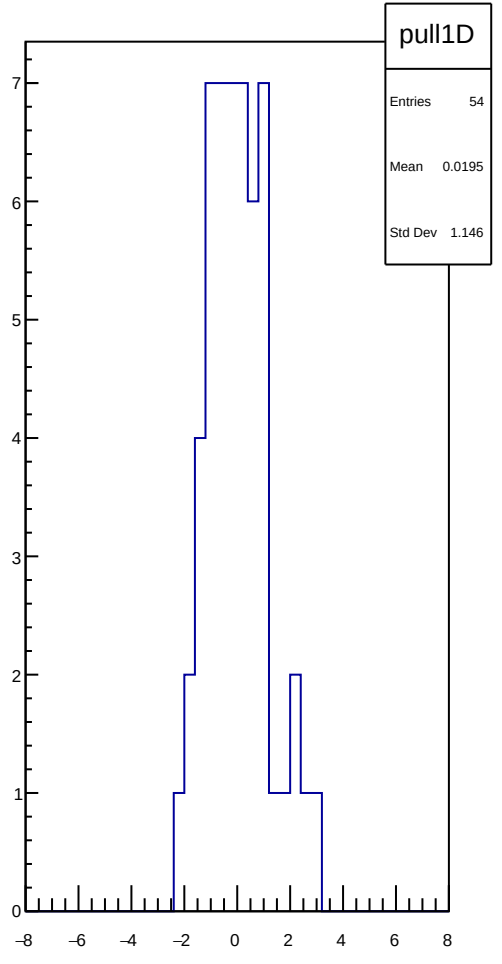

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.947e+05 / 53
p0 1.482e−11 ± 1.87e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

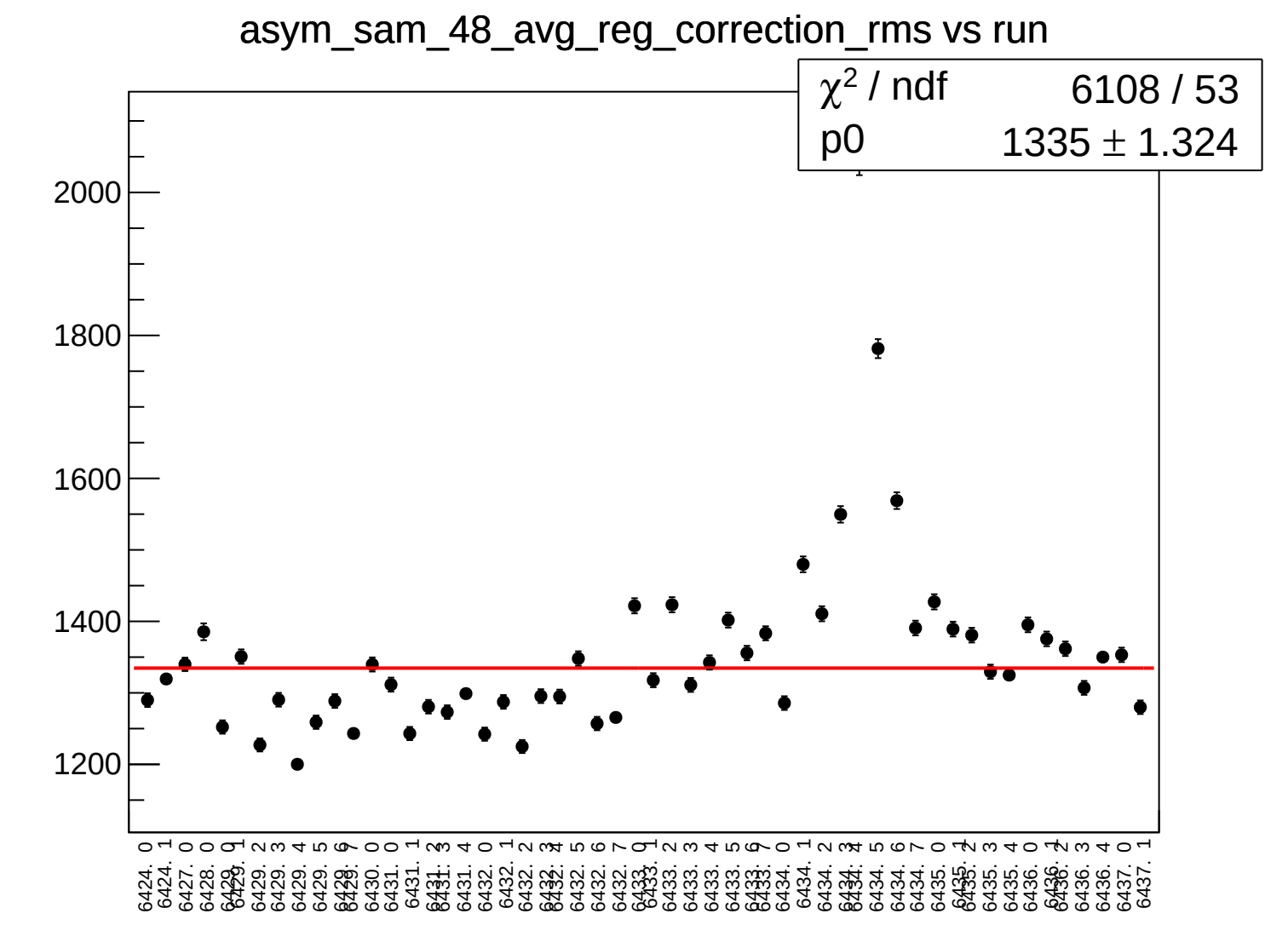

reg_asym_sam_48_avg_mean vs run
χ² / ndf 61.37 / 53
p0 −64.35 ± 182.6
pull
Entries 54
Mean 71.46
Std Dev 0

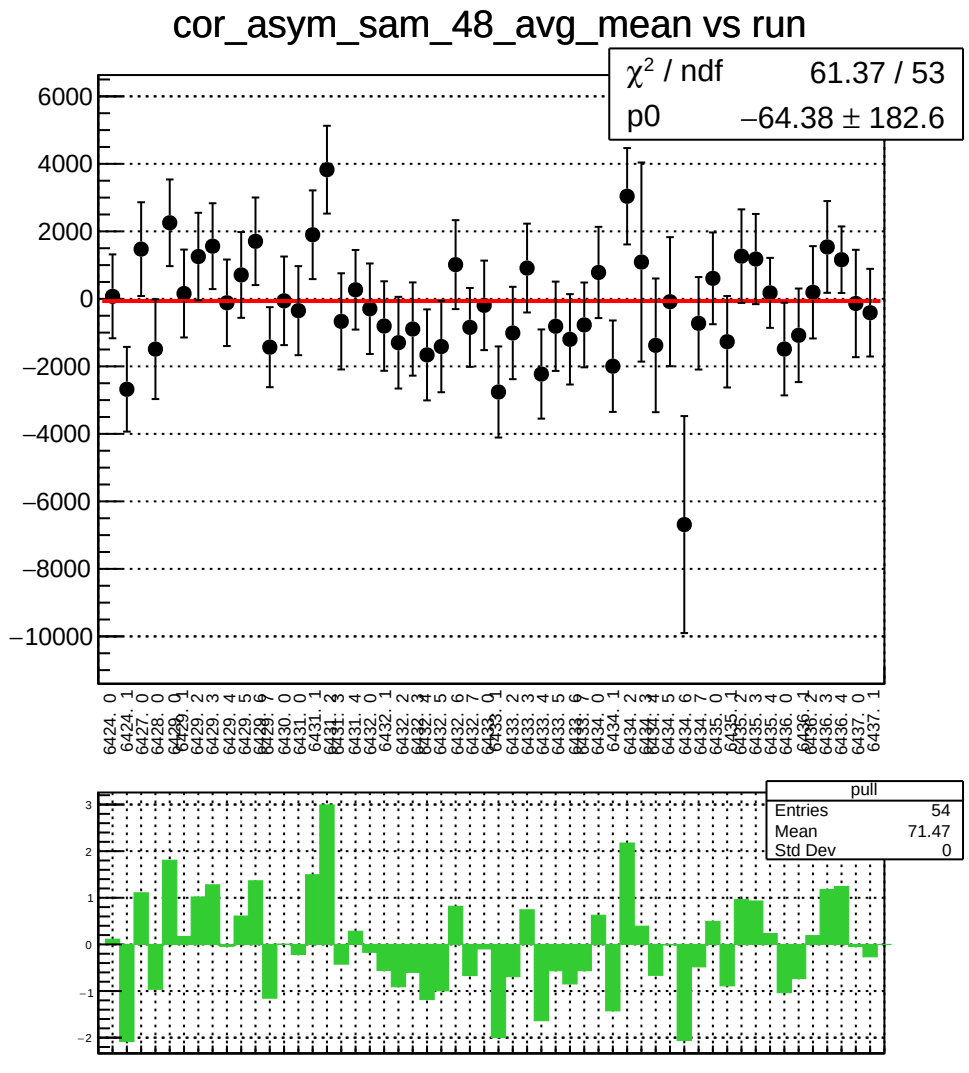

pull1D
Entries 54
Mean −0.03246
Std Dev 1.066

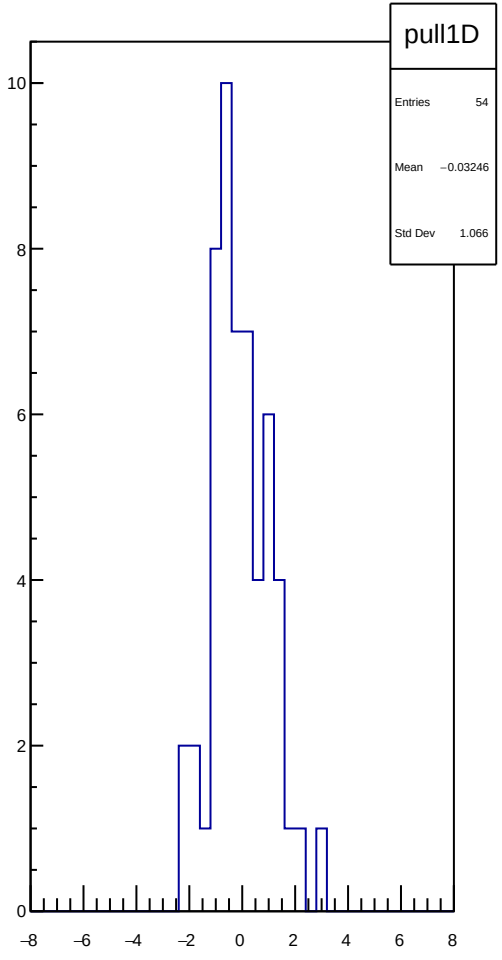

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.61e+04 / 53
p0 129.5 ± 0.1291
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

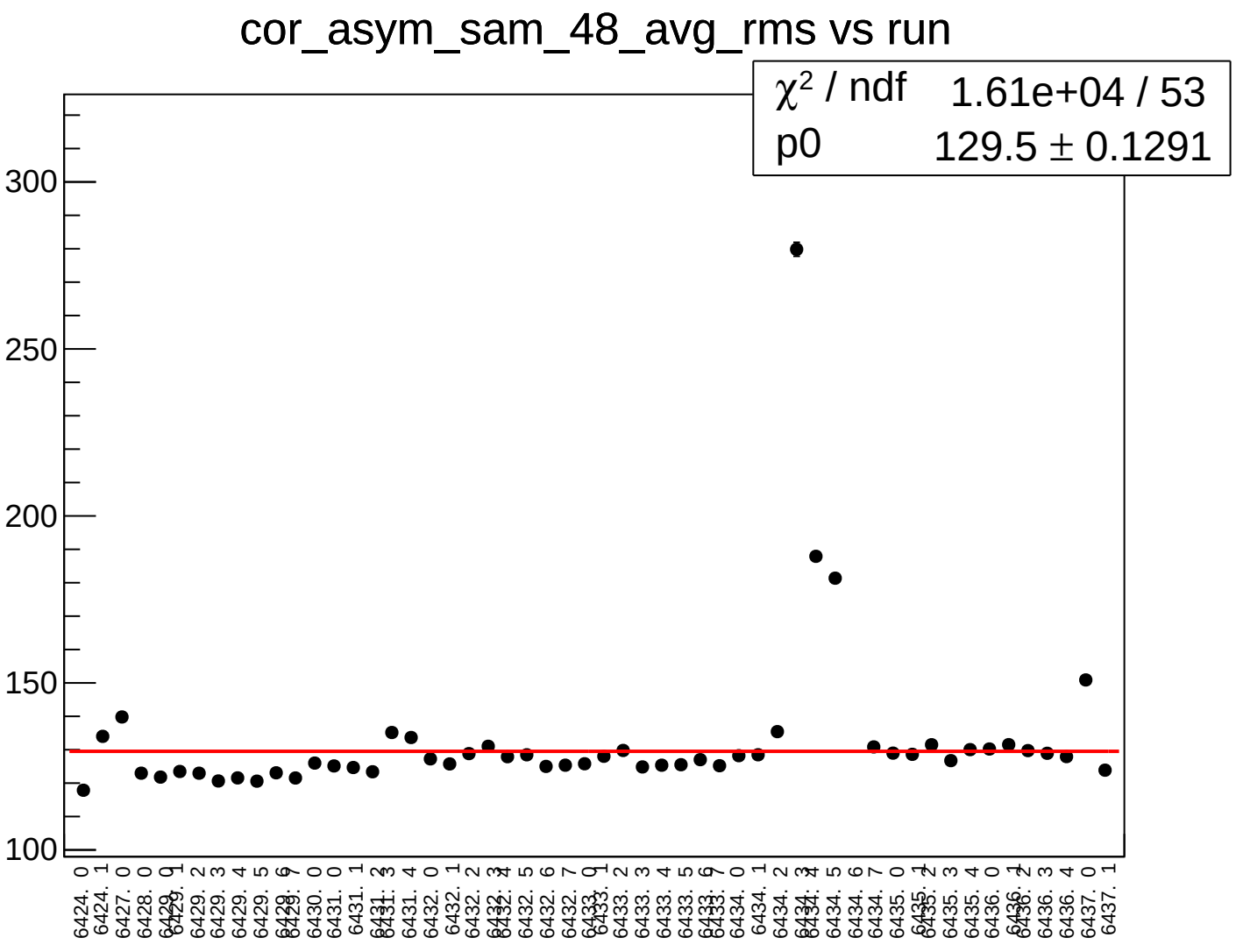

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 70.94 / 53
p0 12.66 ± 1872
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 82.85
Std Dev 0
3
2
1
0
−1
−2

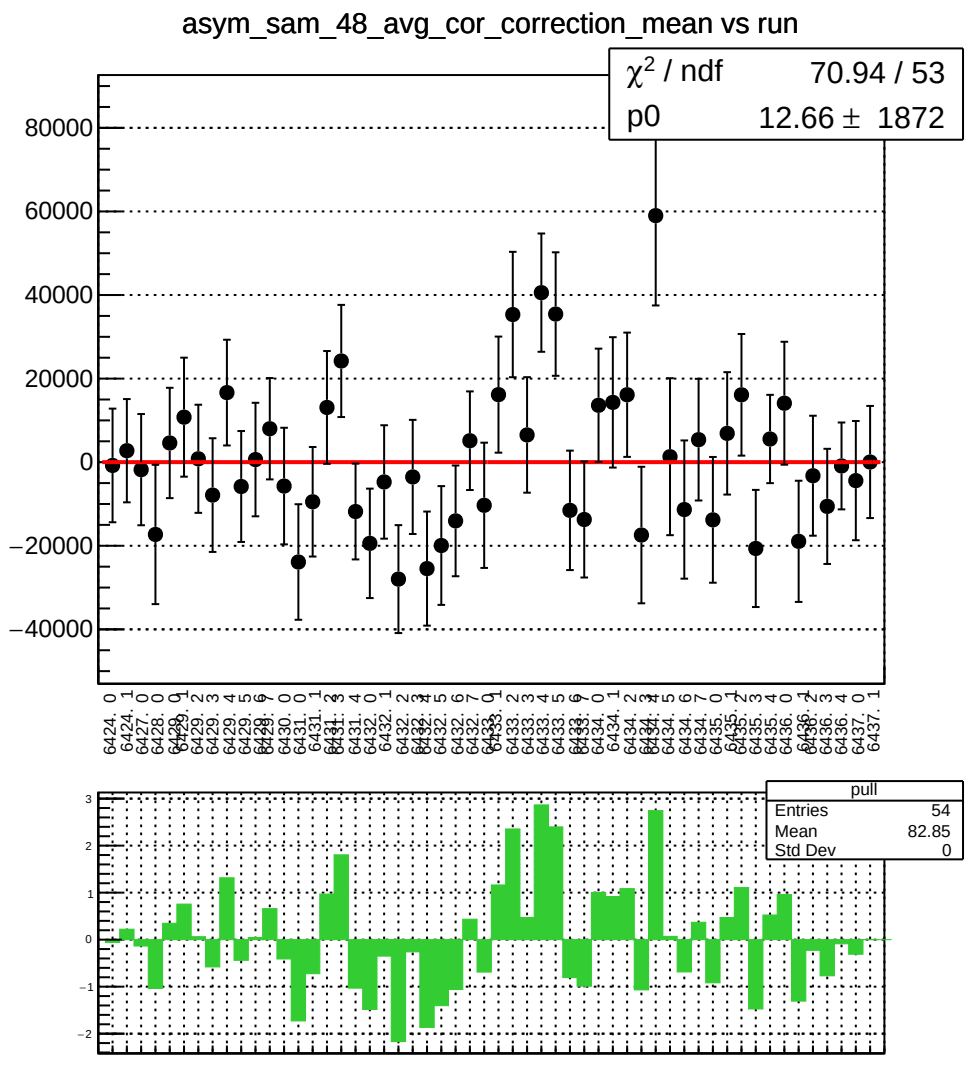

pull1D
Entries 54
Mean 0.0195
Std Dev 1.146
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

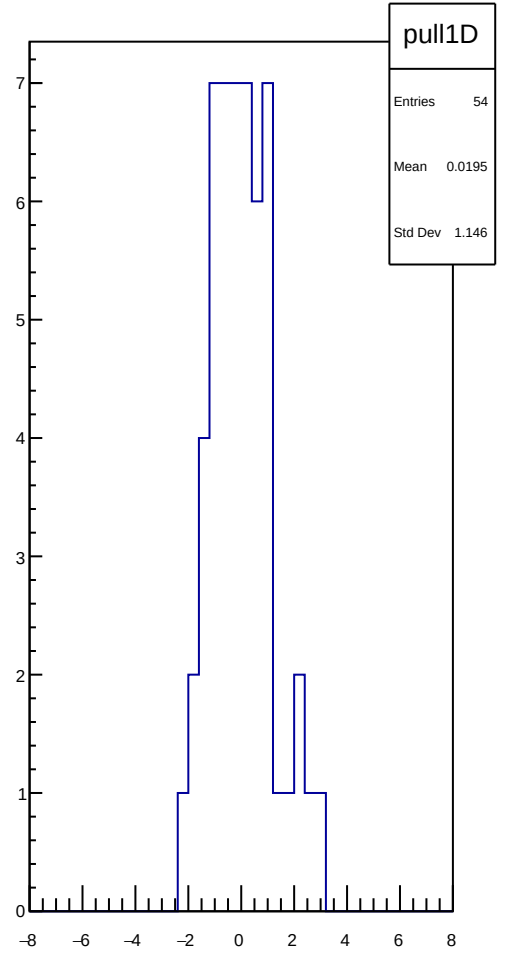

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 6108 / 53
p0 1335 ± 1.324
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

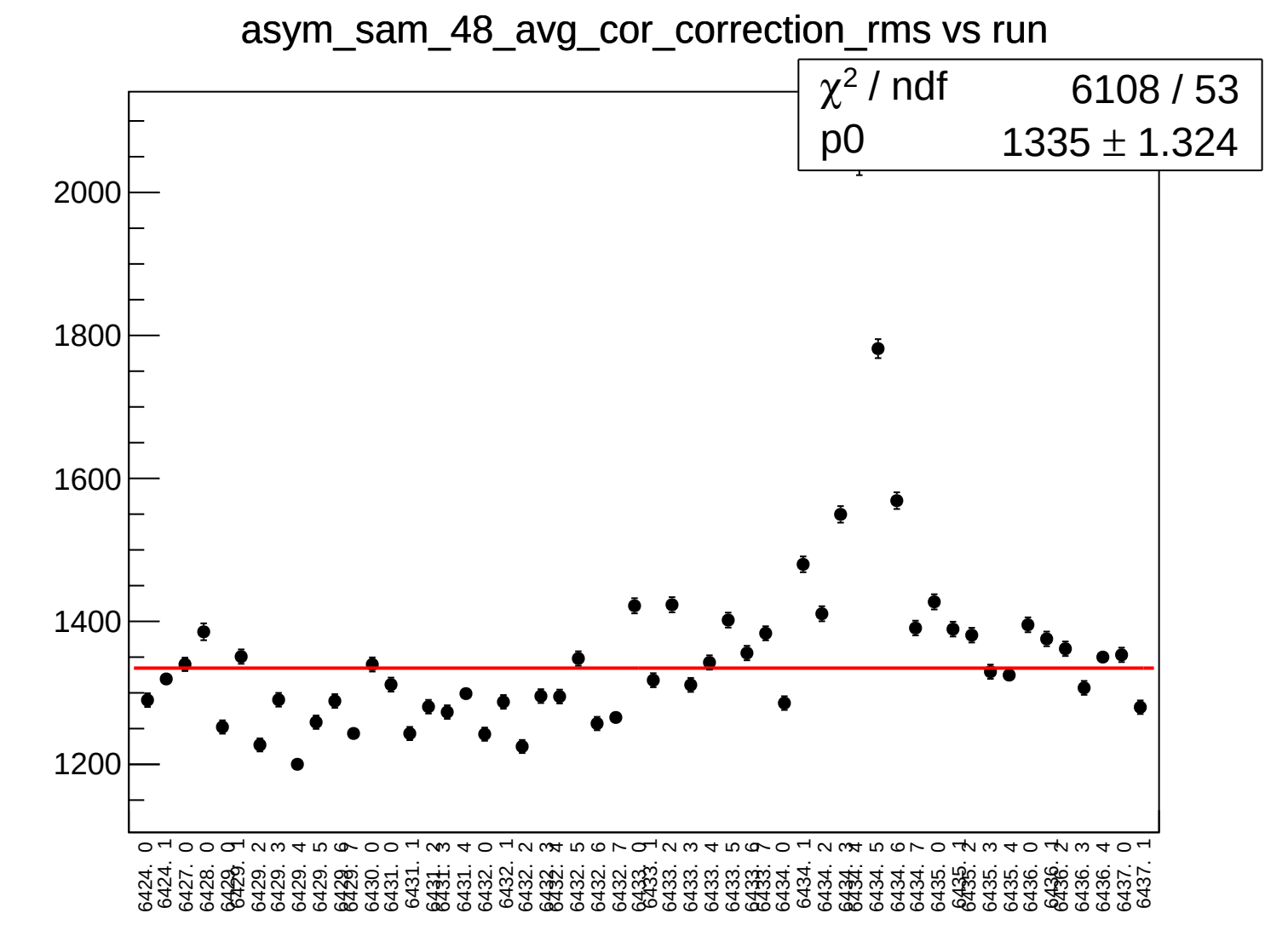

cor_asym_sam_48_avg_mean vs run
χ² / ndf 61.37 / 53
p0 −64.38 ± 182.6
pull
Entries 54
Mean 71.47
Std Dev 0

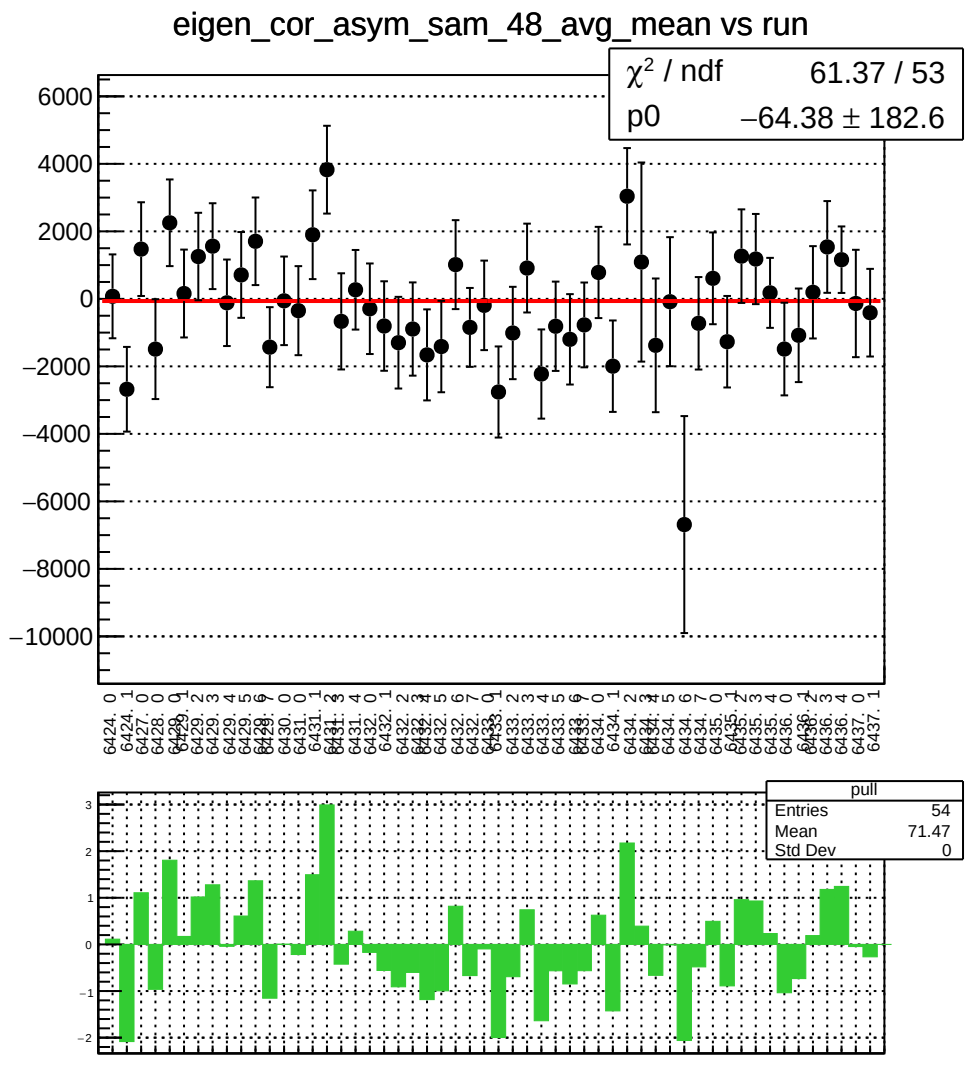

pull1D
Entries 54
Mean −0.03246
Std Dev 1.066

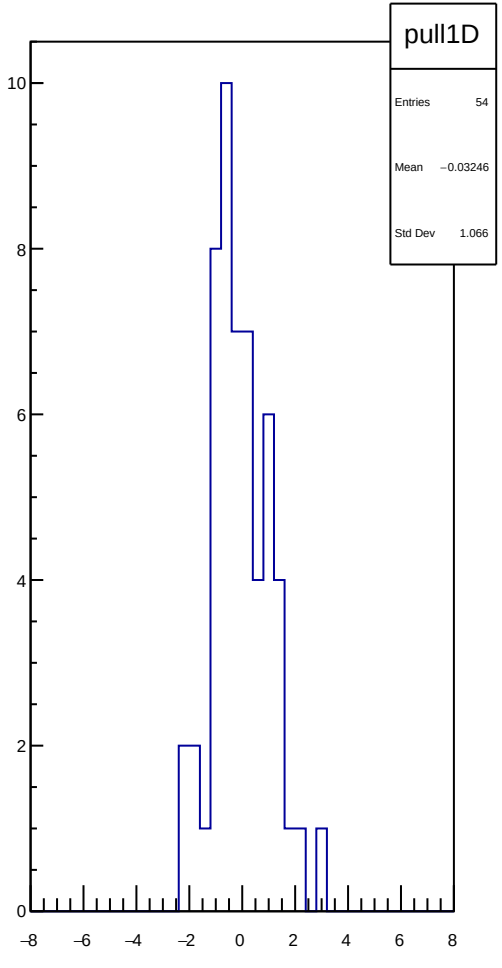

cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.61e+04 / 53
p0 129.5 ± 0.1291
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

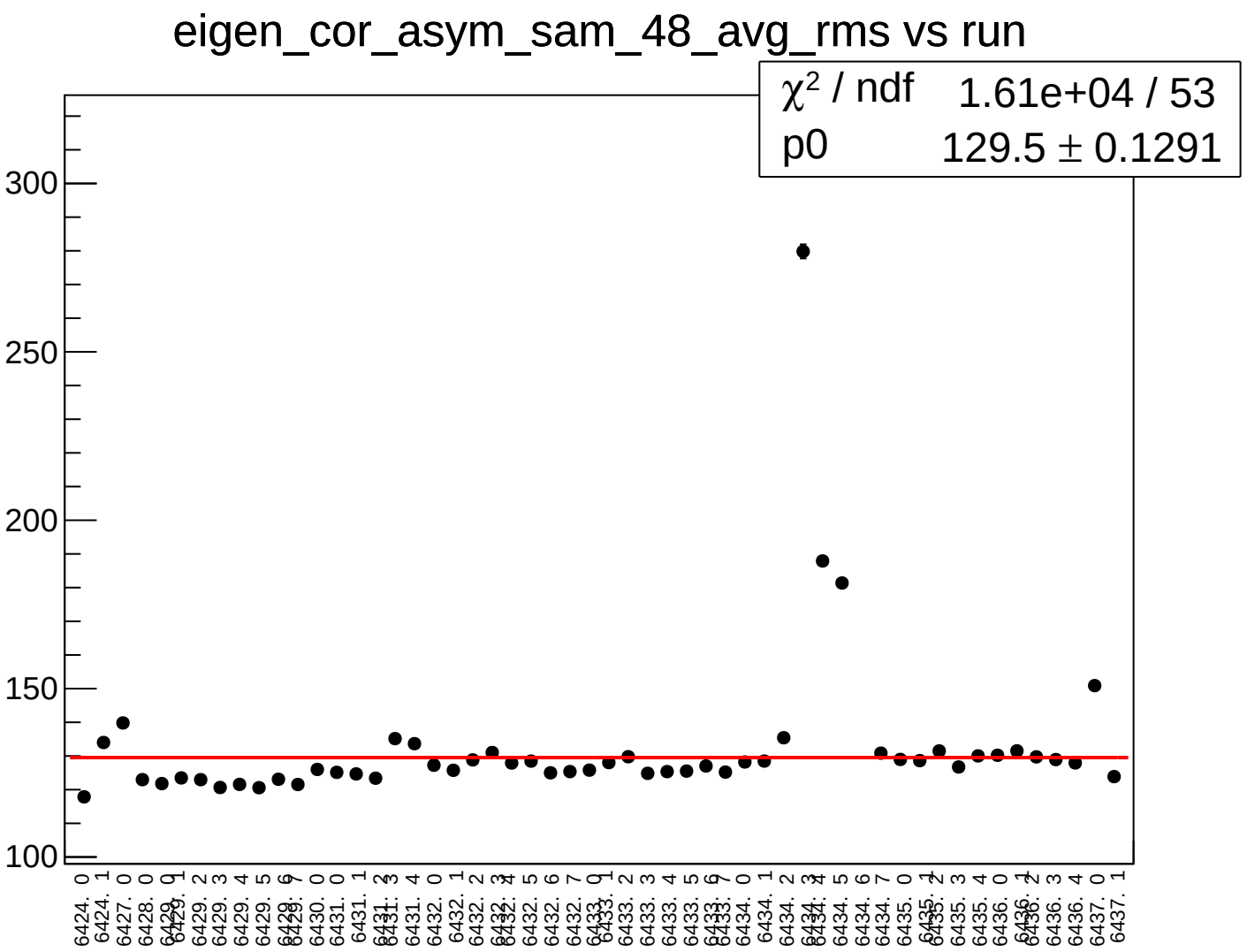

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 70.94 / 53
p0 12.66 ± 1872
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 82.85
Std Dev 0
3
2
1
0
−1
−2

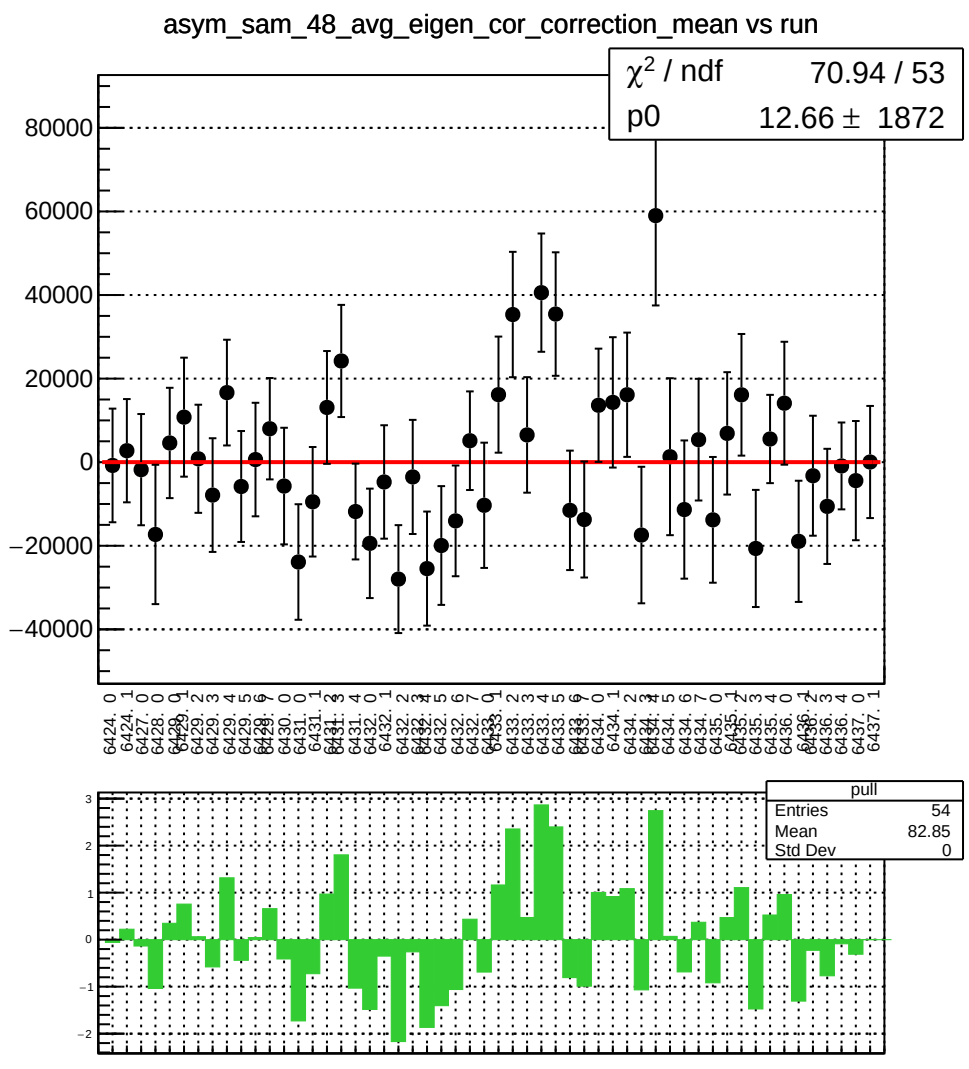

pull1D
Entries 54
Mean 0.0195
Std Dev 1.146
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

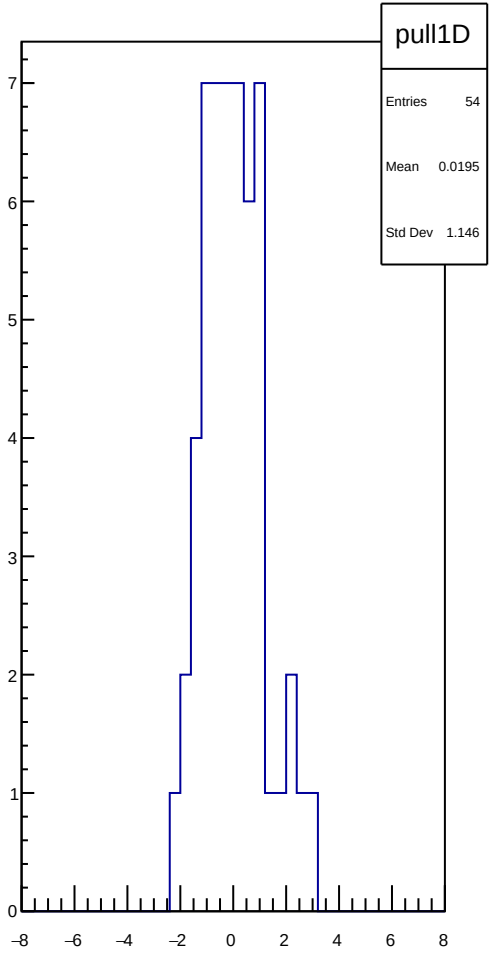

asym_sam_48_avg_cor_correction_rms vs run
χ^2 / ndf 6108 / 53
p0 1335 ± 1.324
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

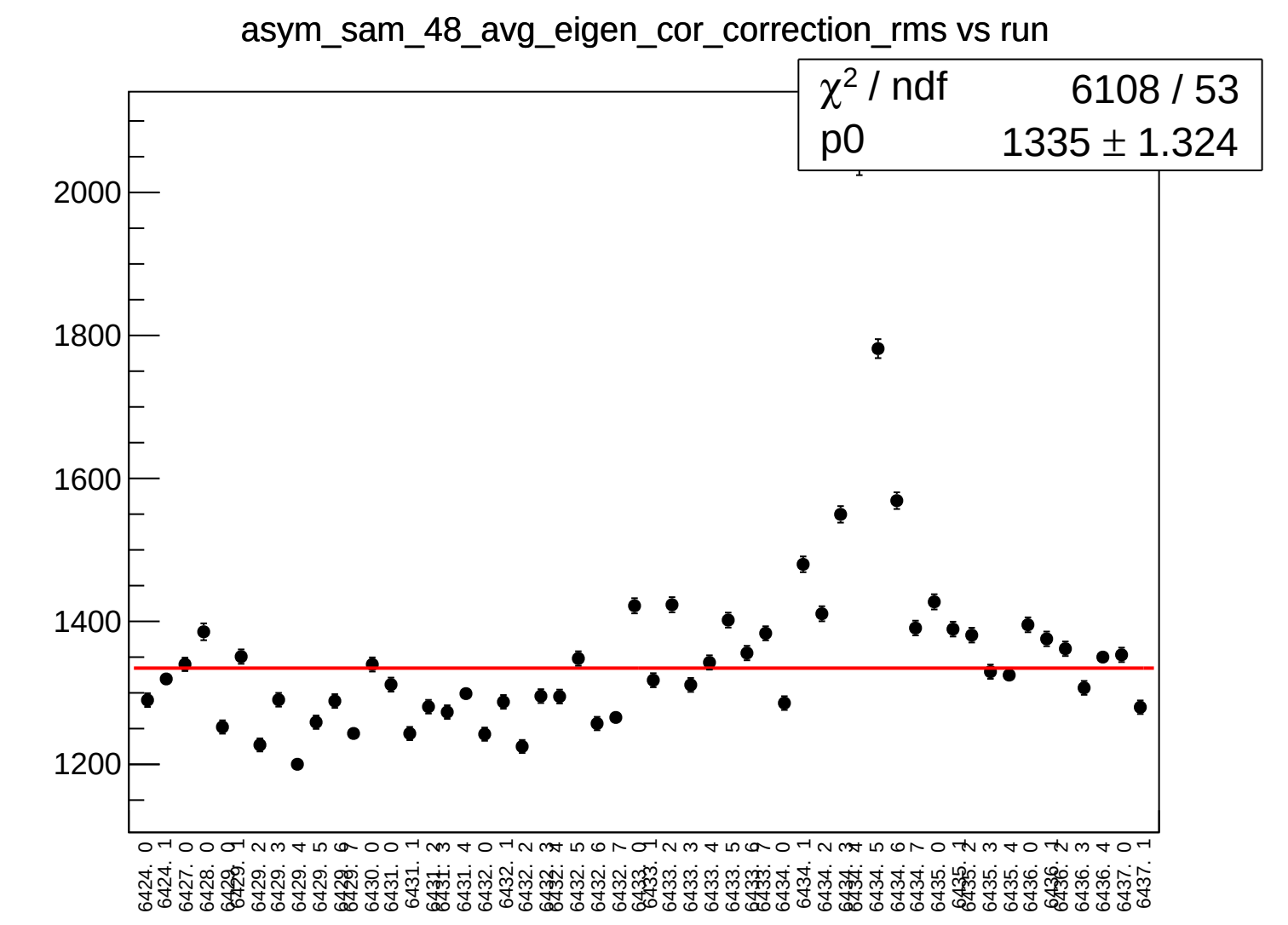

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 61.37 / 53
p0 −64.38 ± 182.6
pull
Entries 54
Mean 71.47
Std Dev 0


pull1D
Entries 54
Mean −0.03246
Std Dev 1.066


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.61e+04 / 53
p0 129.5 ± 0.1291
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.94 / 53
p0 12.66 ± 1872
pull
Entries 54
Mean 82.85
Std Dev 0


pull1D
Entries 54
Mean 0.0195
Std Dev 1.146


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 6108 / 53
p0 1335 ± 1.324
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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6435. 3
6435. 4
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6436. 3
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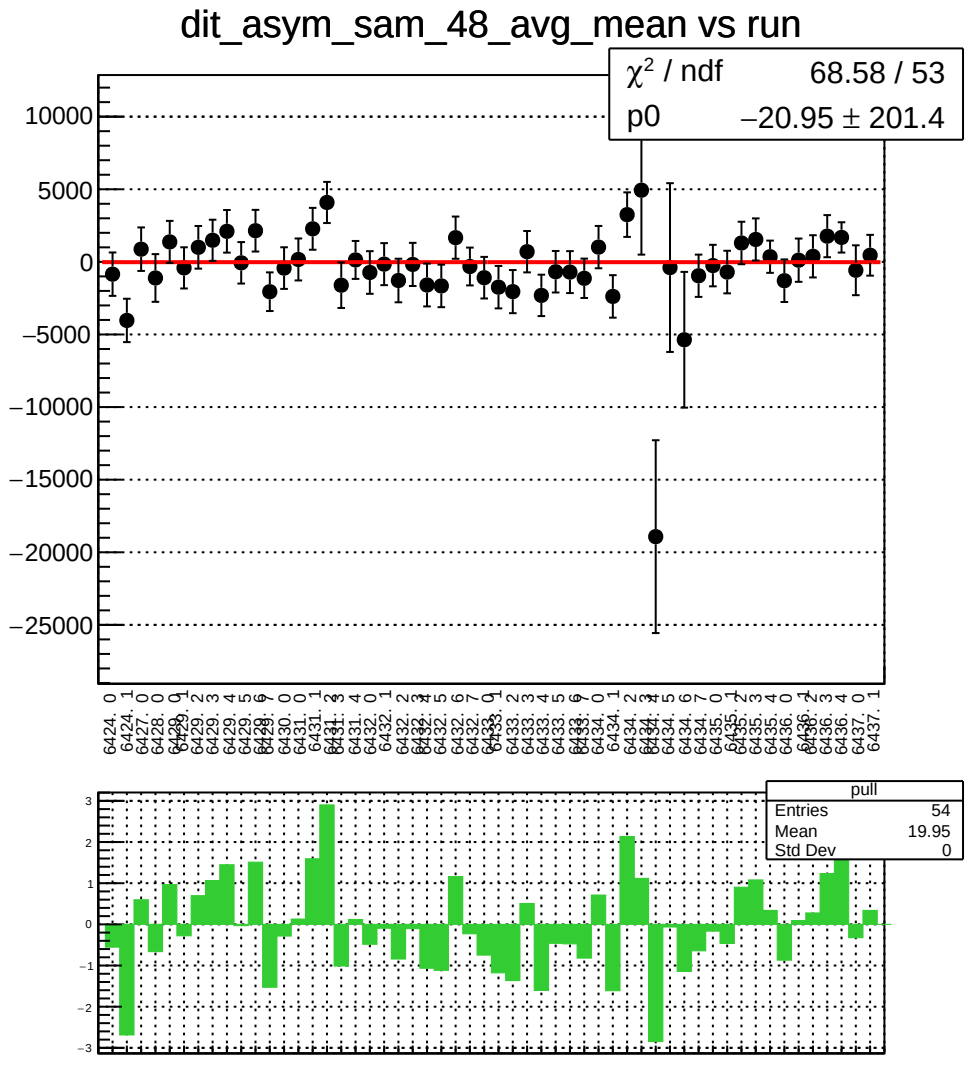
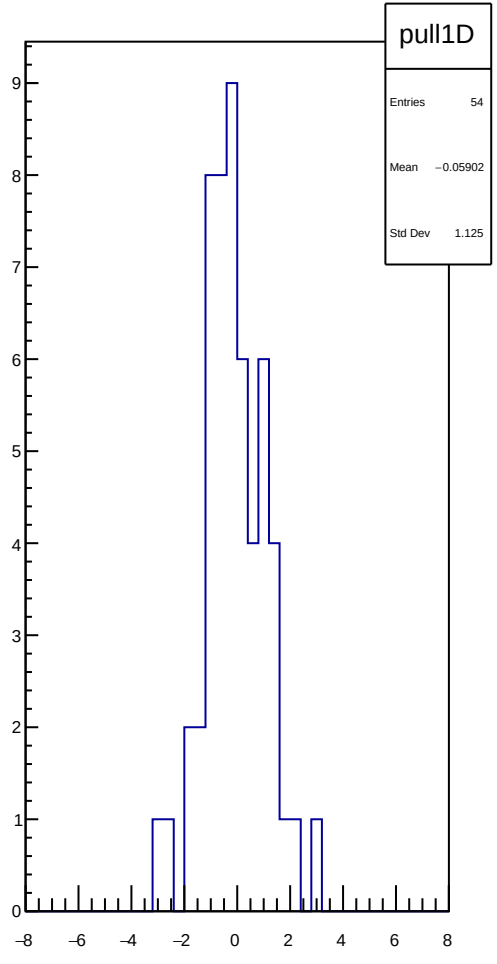
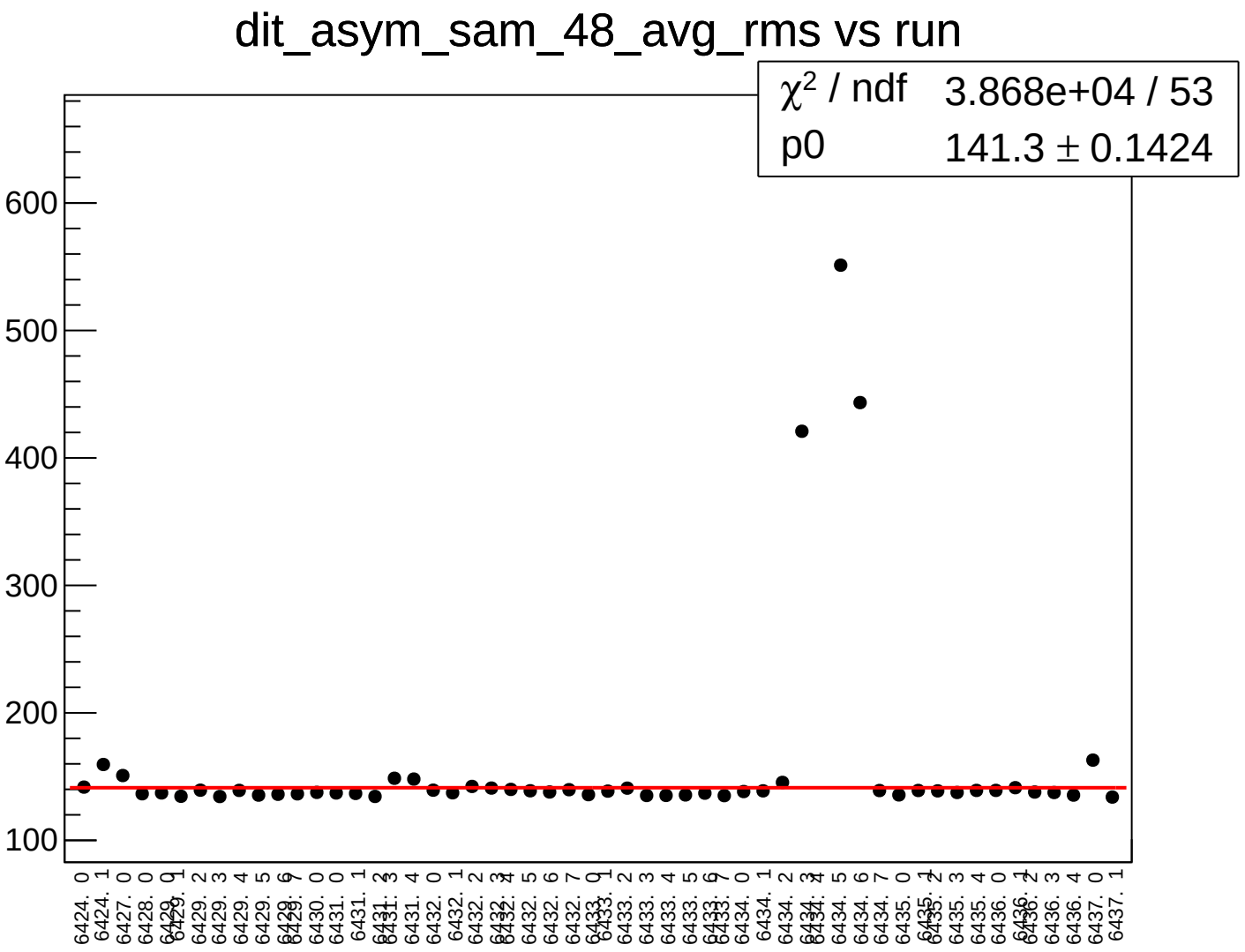
6437. 0
6437. 1


dit_asym_sam_48_avg_mean vs run
χ² / ndf 68.58 / 53
p0 −20.95 ± 201.4
pull
Entries 54
Mean 19.95
Std Dev 0


pull1D
Entries 54
Mean −0.05902
Std Dev 1.125


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.868e+04 / 53
p0 141.3 ± 0.1424
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
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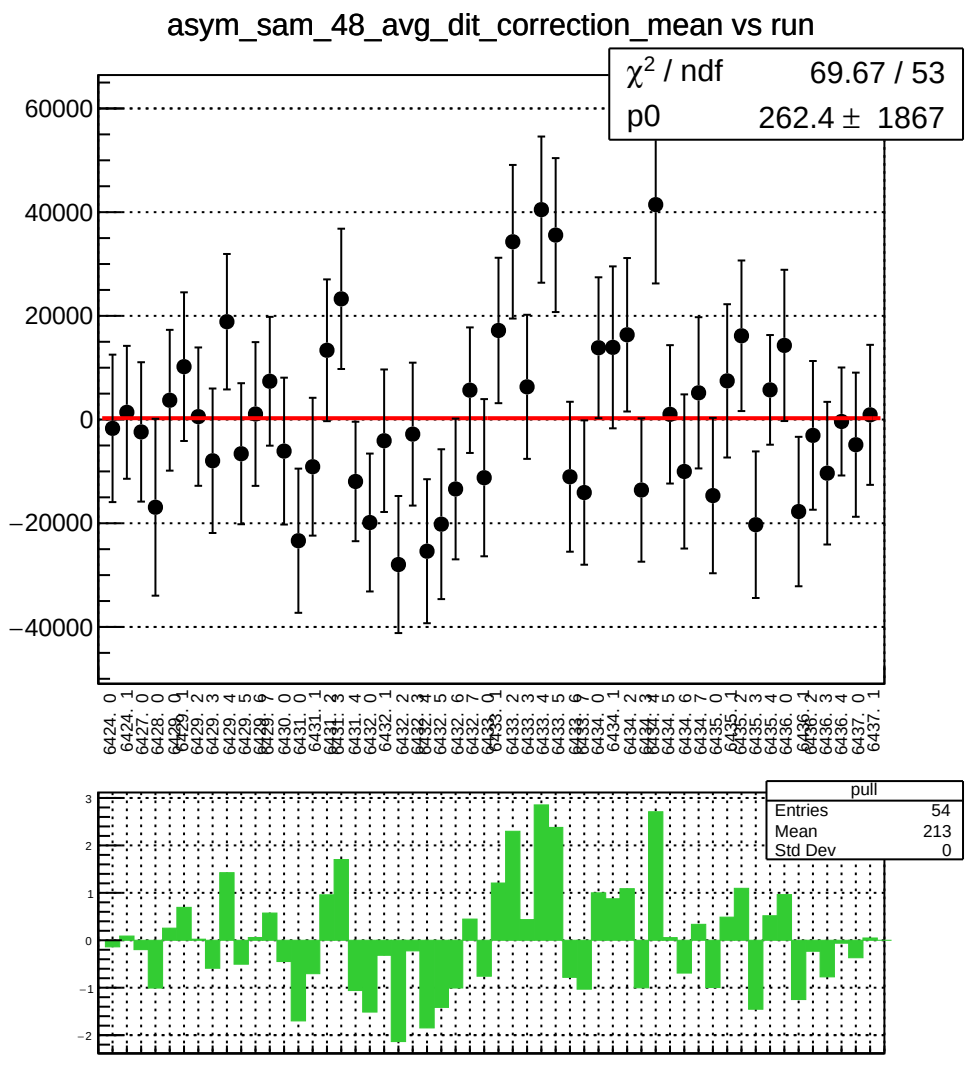
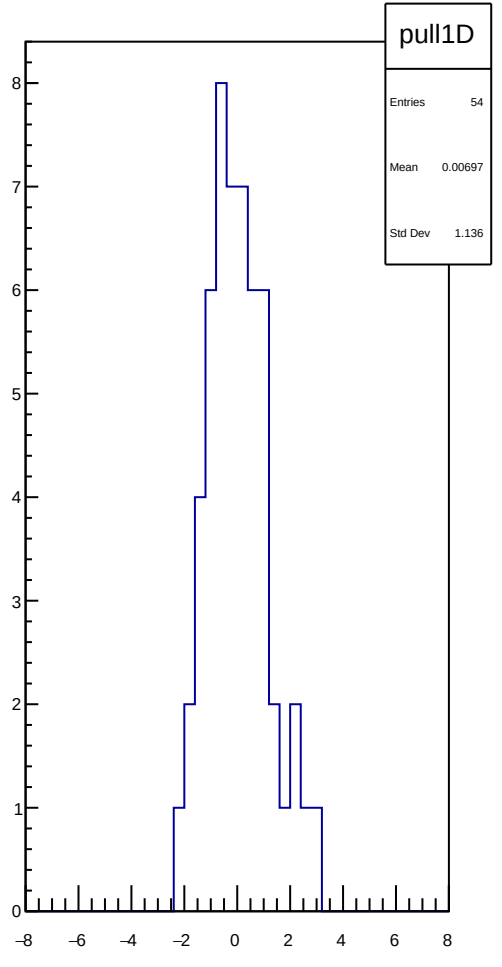
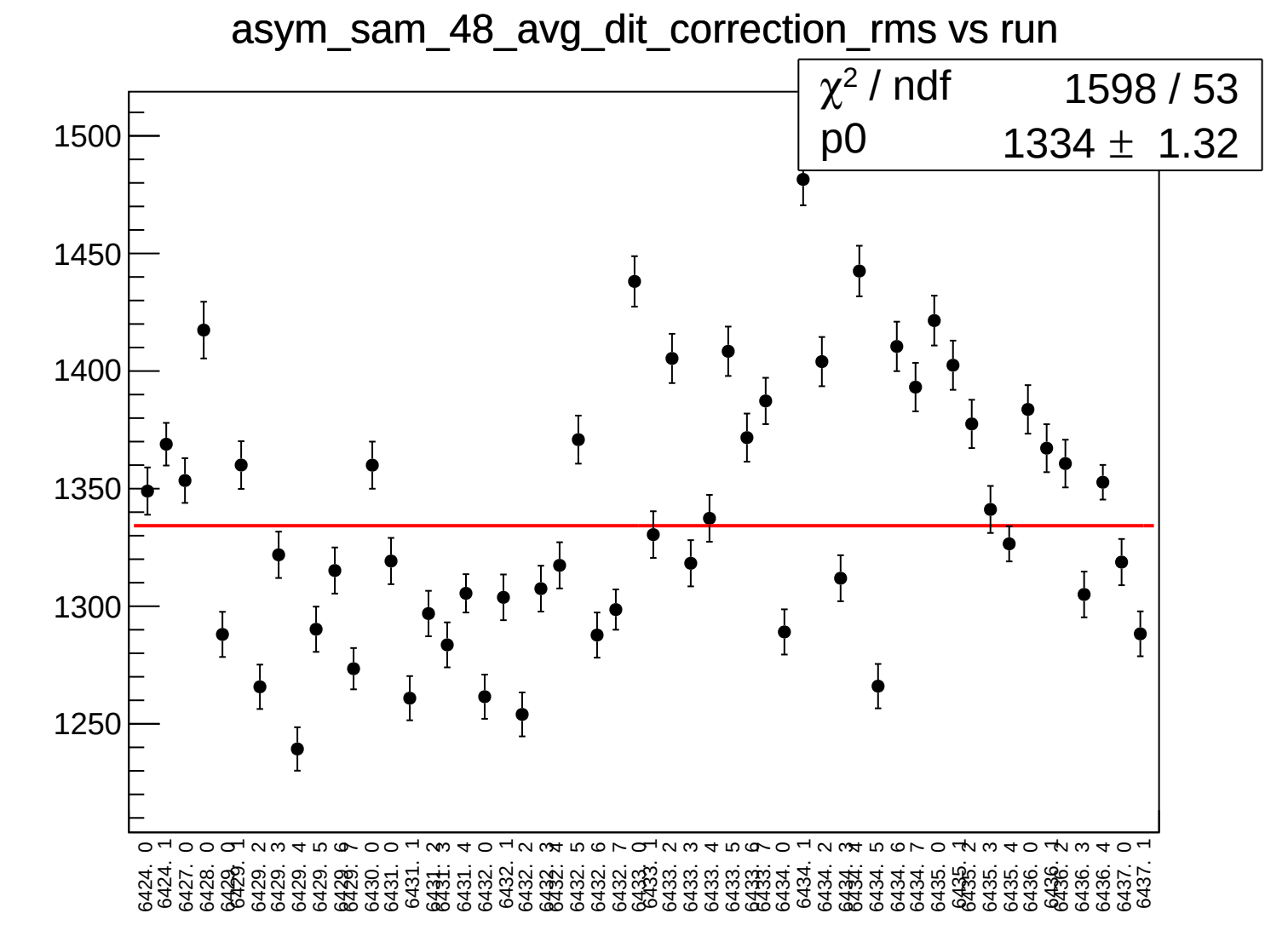
6437. 0
6437. 1


asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 69.67 / 53
p0 262.4 ± 1867
pull
Entries 54
Mean 213
Std Dev 0


pull1D
Entries 54
Mean 0.00697
Std Dev 1.136


asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1598 / 53
p0 1334 ± 1.32
1500
1450
1400
1350
1300
1250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6432. 5
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6434. 0
6434. 1
6434. 2
6434. 5
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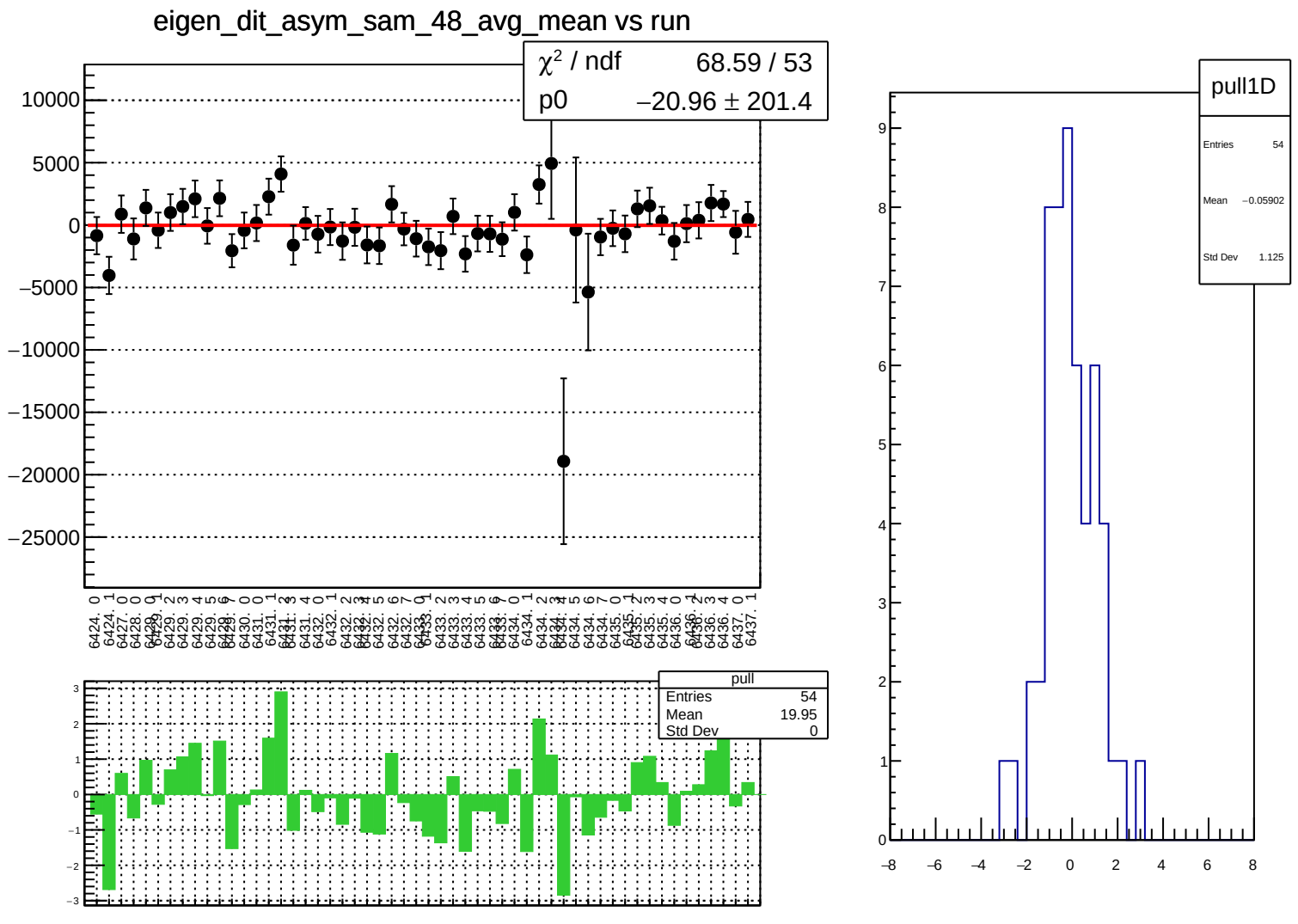
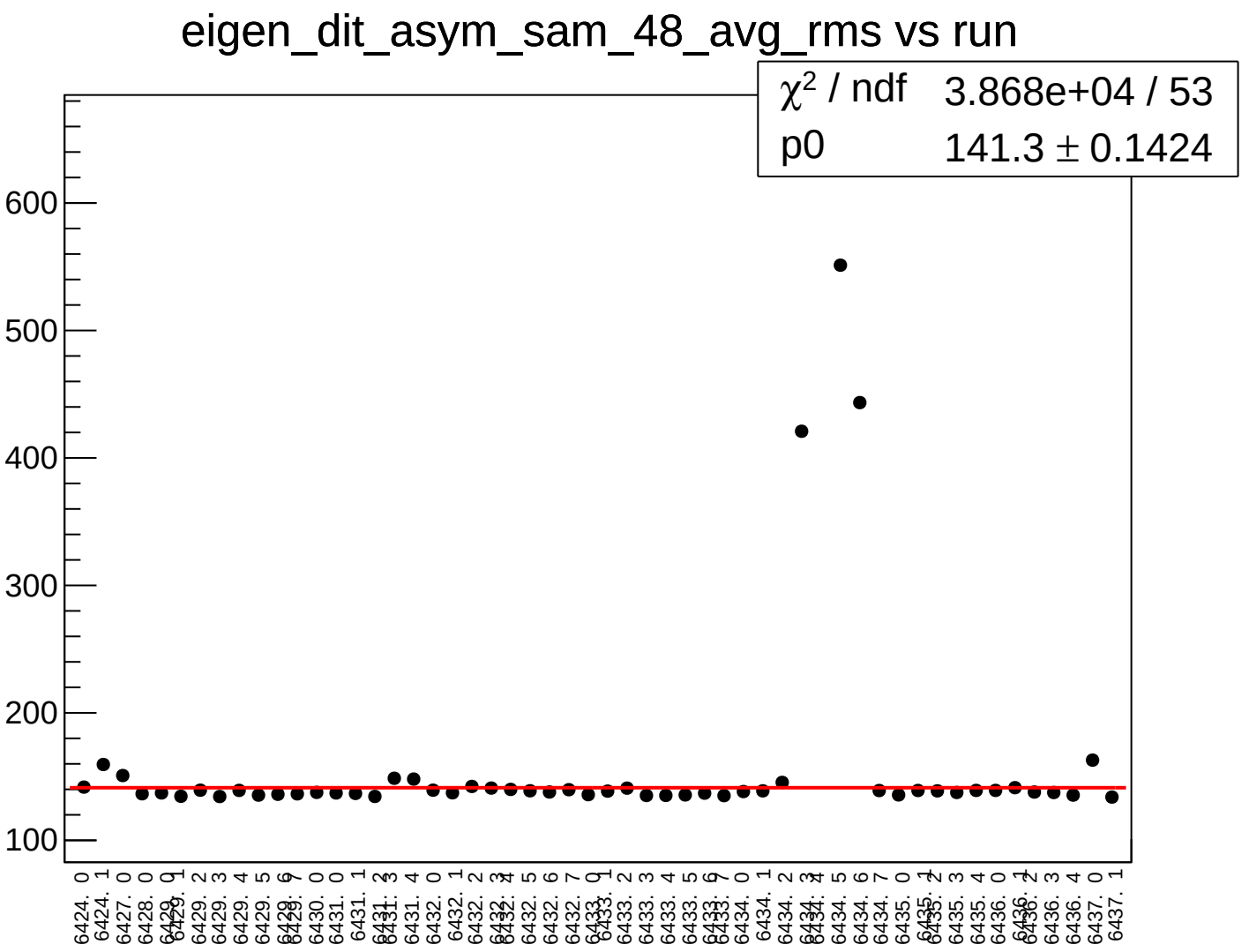
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 68.59 / 53
p0 −20.96 ± 201.4
pull
Entries 54
Mean 19.95
Std Dev 0
pull1D
Entries 54
Mean −0.05902
Std Dev 1.125


eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.868e+04 / 53
p0 141.3 ± 0.1424
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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6434. 5
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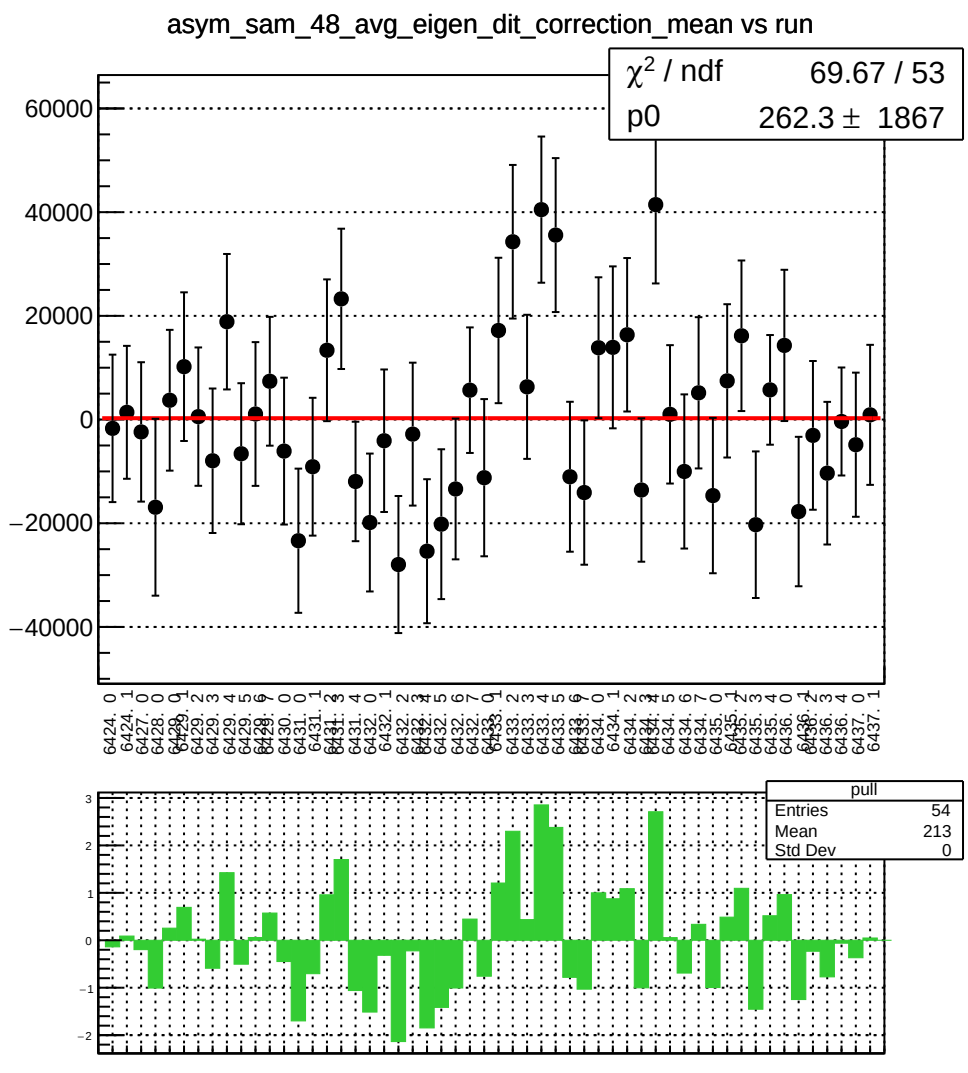
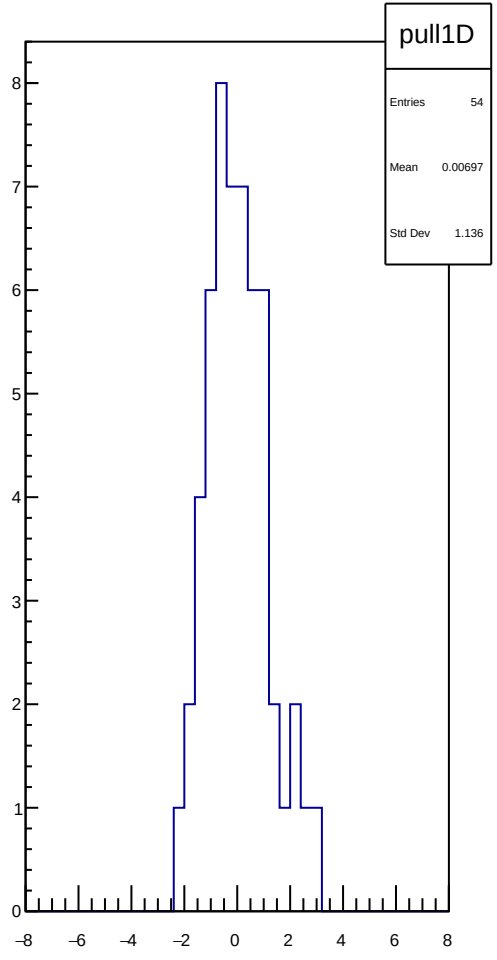
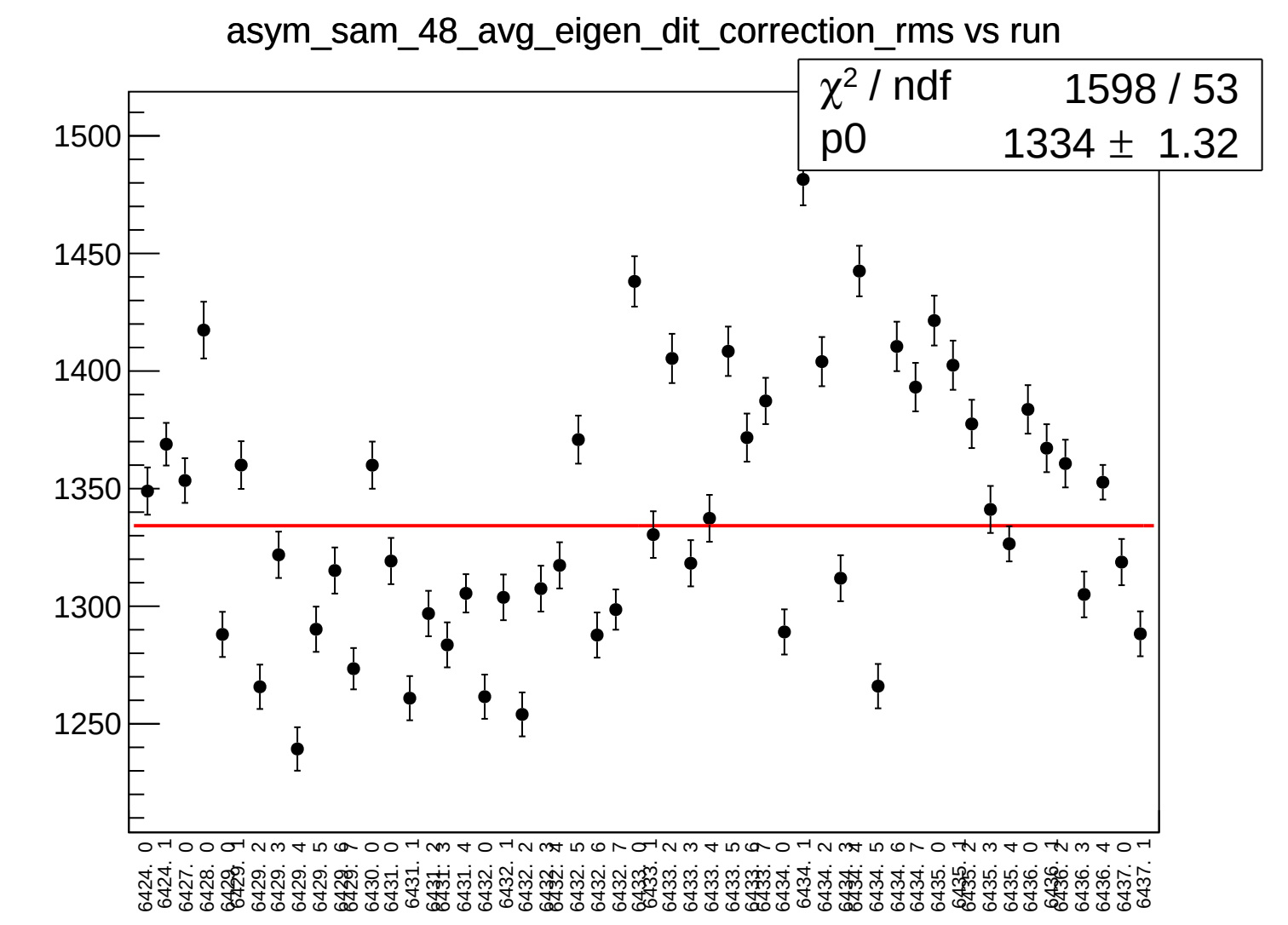
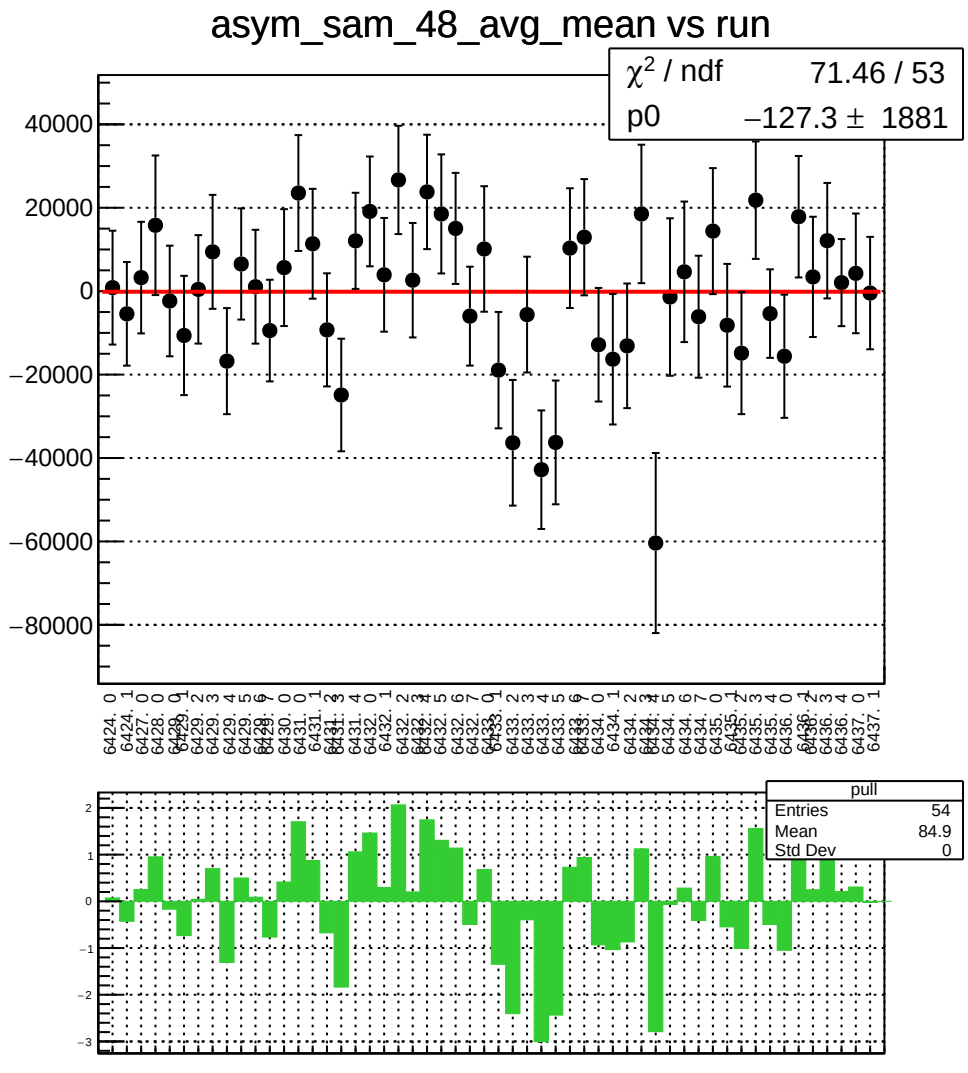
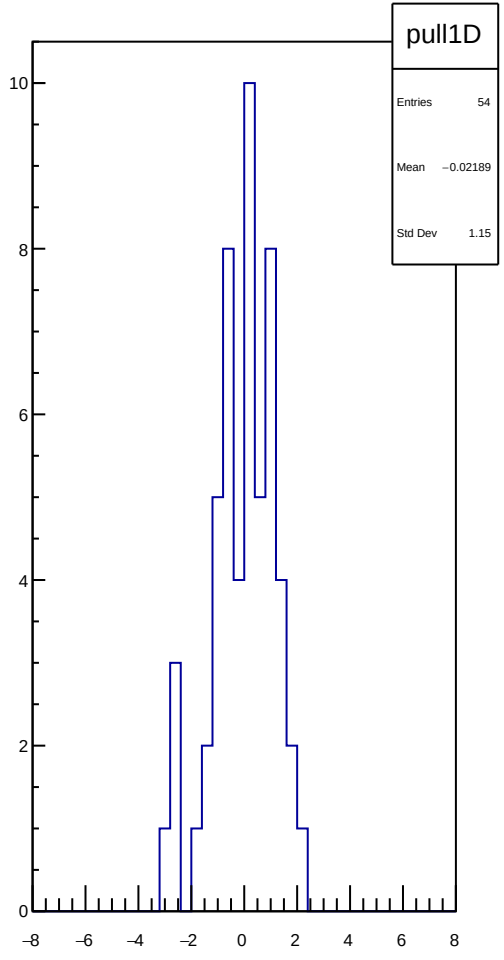
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

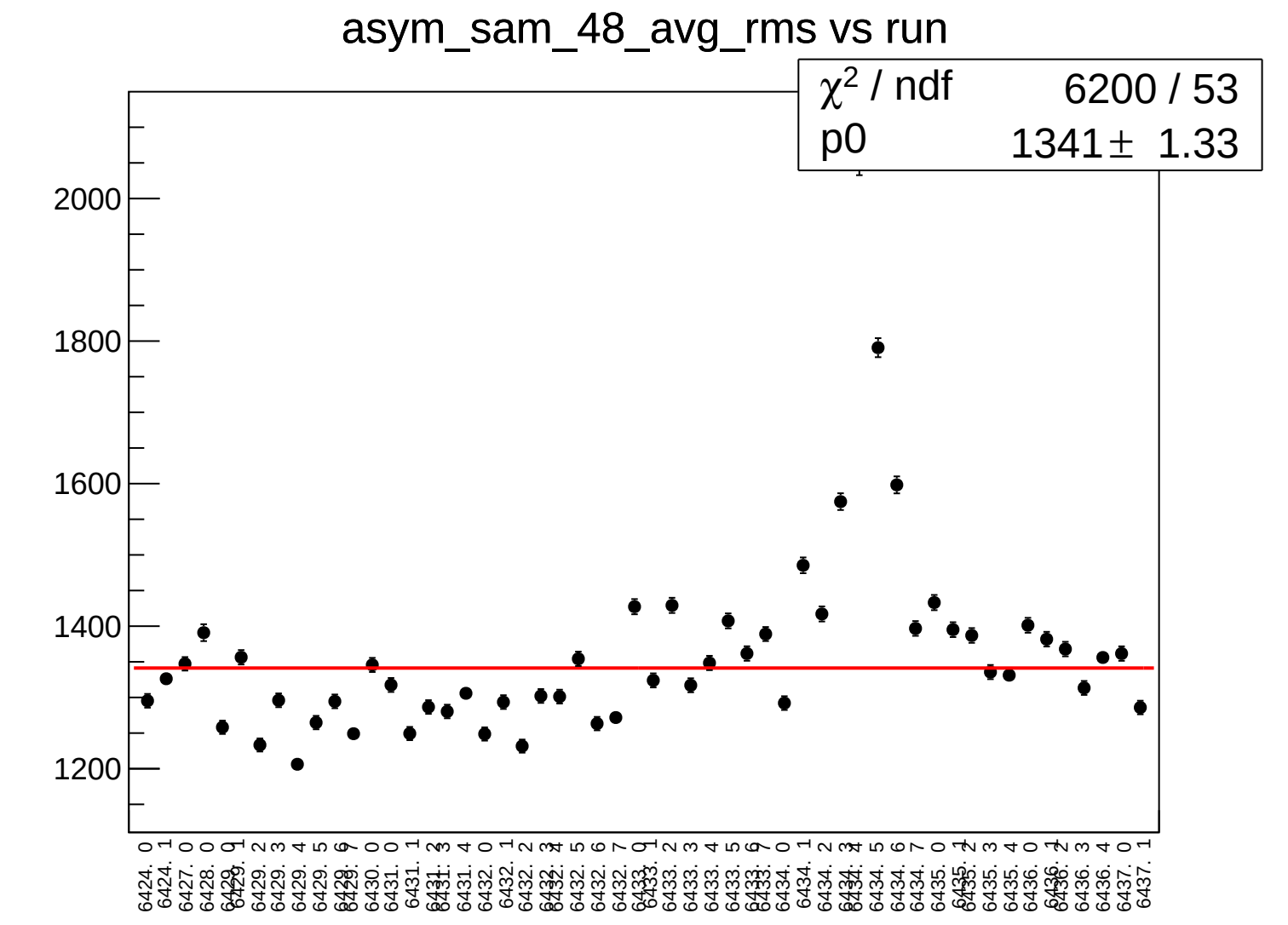

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.67 / 53
p0 262.3 ± 1867
pull
Entries 54
Mean 213
Std Dev 0

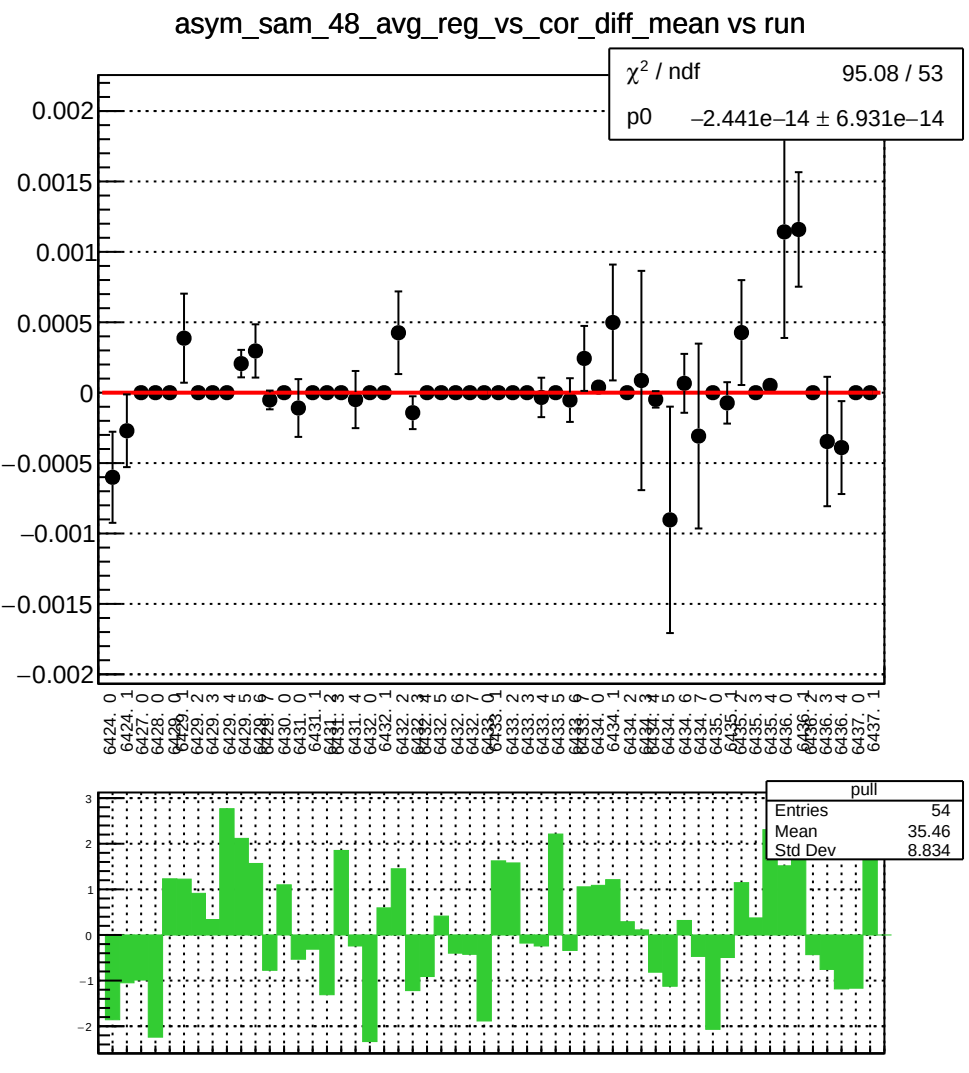

pull1D
Entries 54
Mean 0.00697
Std Dev 1.136

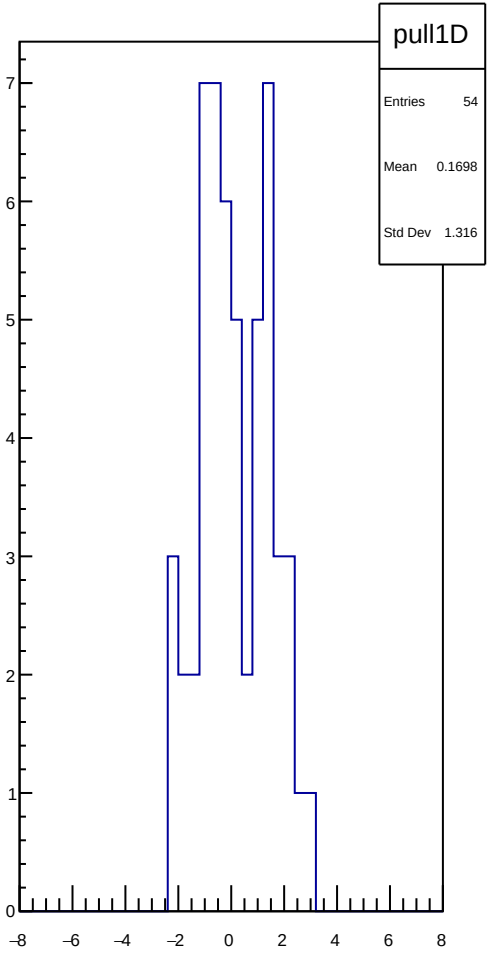

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1598 / 53
p0 1334 ± 1.32
1500
1450
1400
1350
1300
1250
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

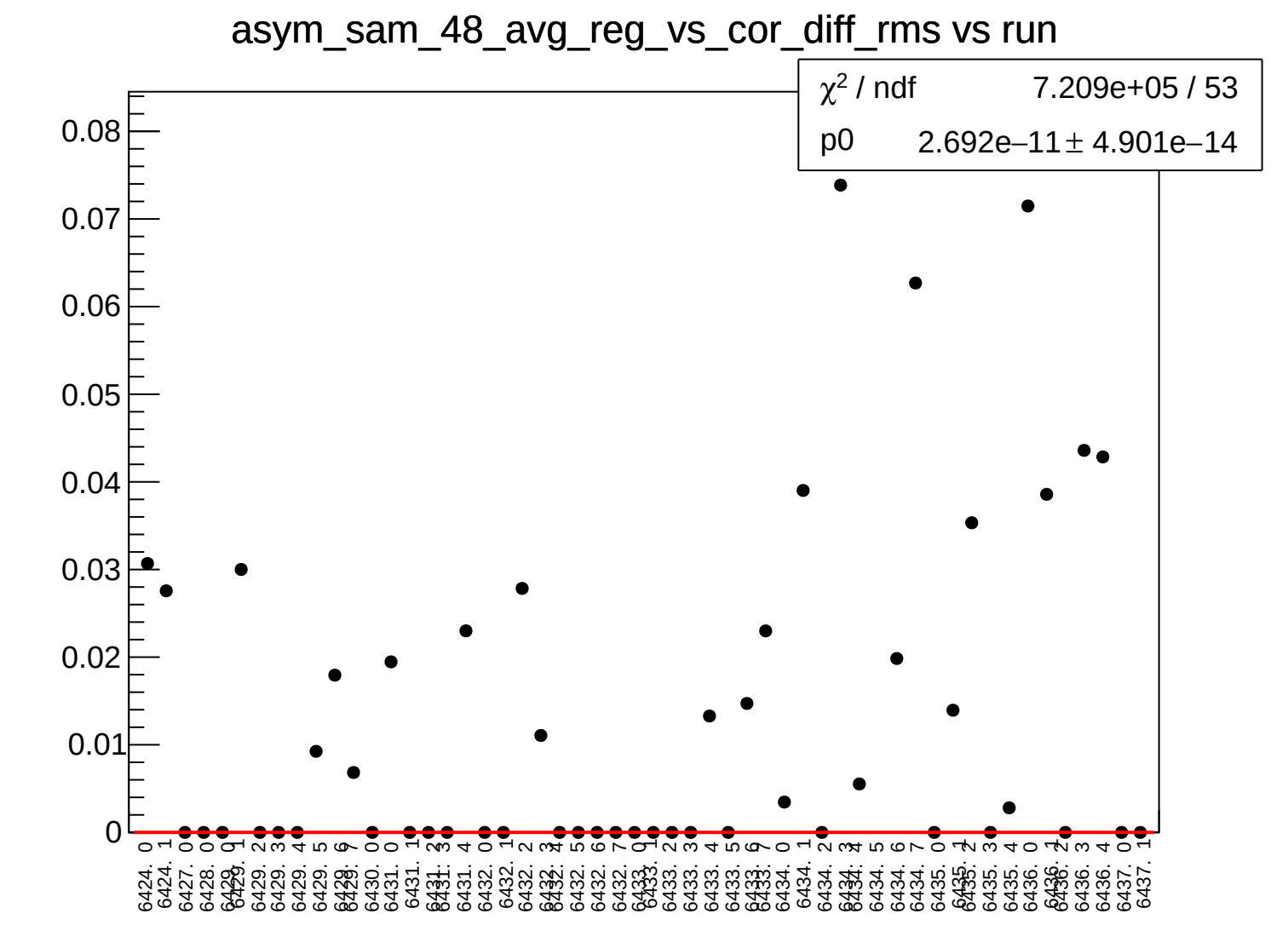

asym_sam_48_avg_mean vs run
χ^2 / ndf 71.46 / 53
p0 −127.3 ± 1881
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 54
Mean 84.9
Std Dev 0
2
1
0
−1
−2
−3

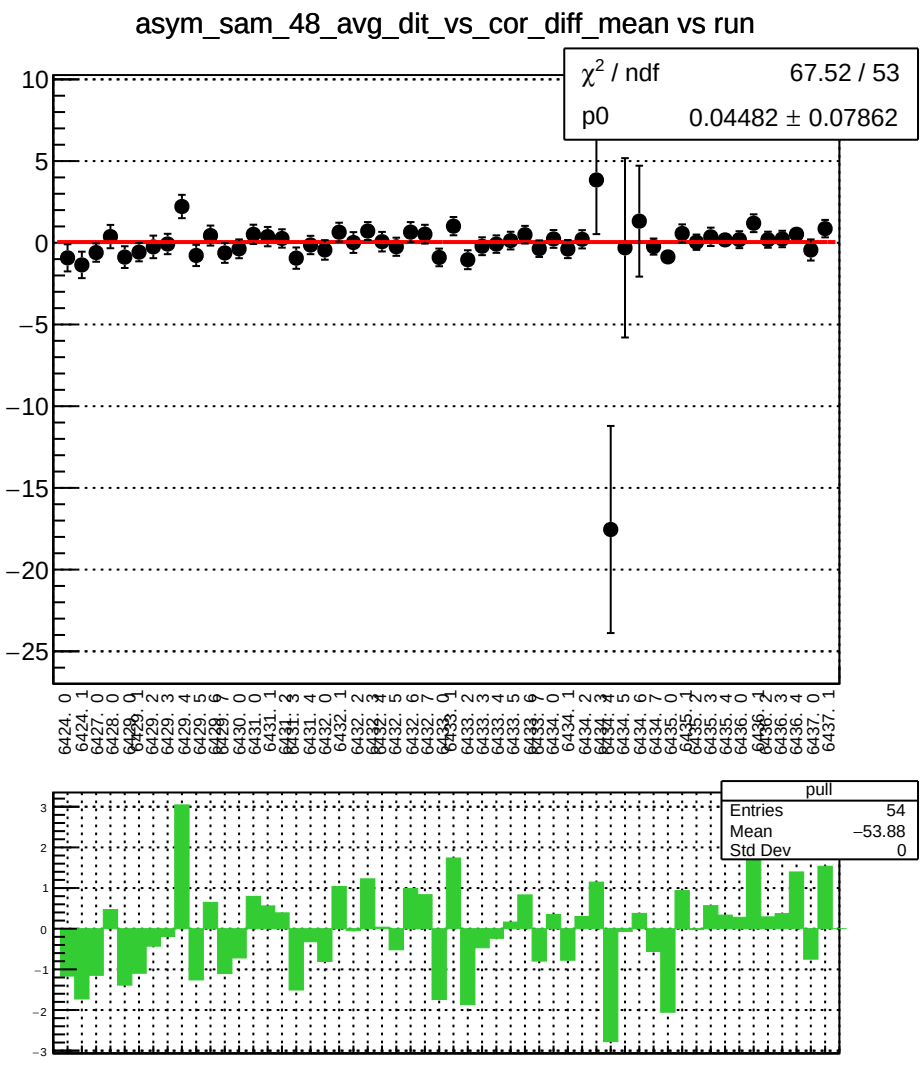

pull1D
Entries 54
Mean −0.02189
Std Dev 1.15
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

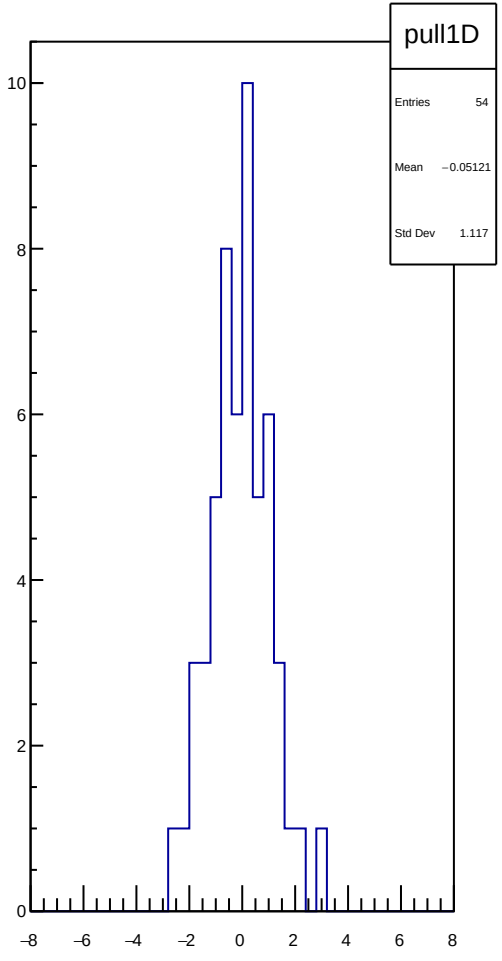

asym_sam_48_avg_rms vs run
χ^2 / ndf 6200 / 53
p0 1341 ± 1.33
2000
1800
1600
1400
1200
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

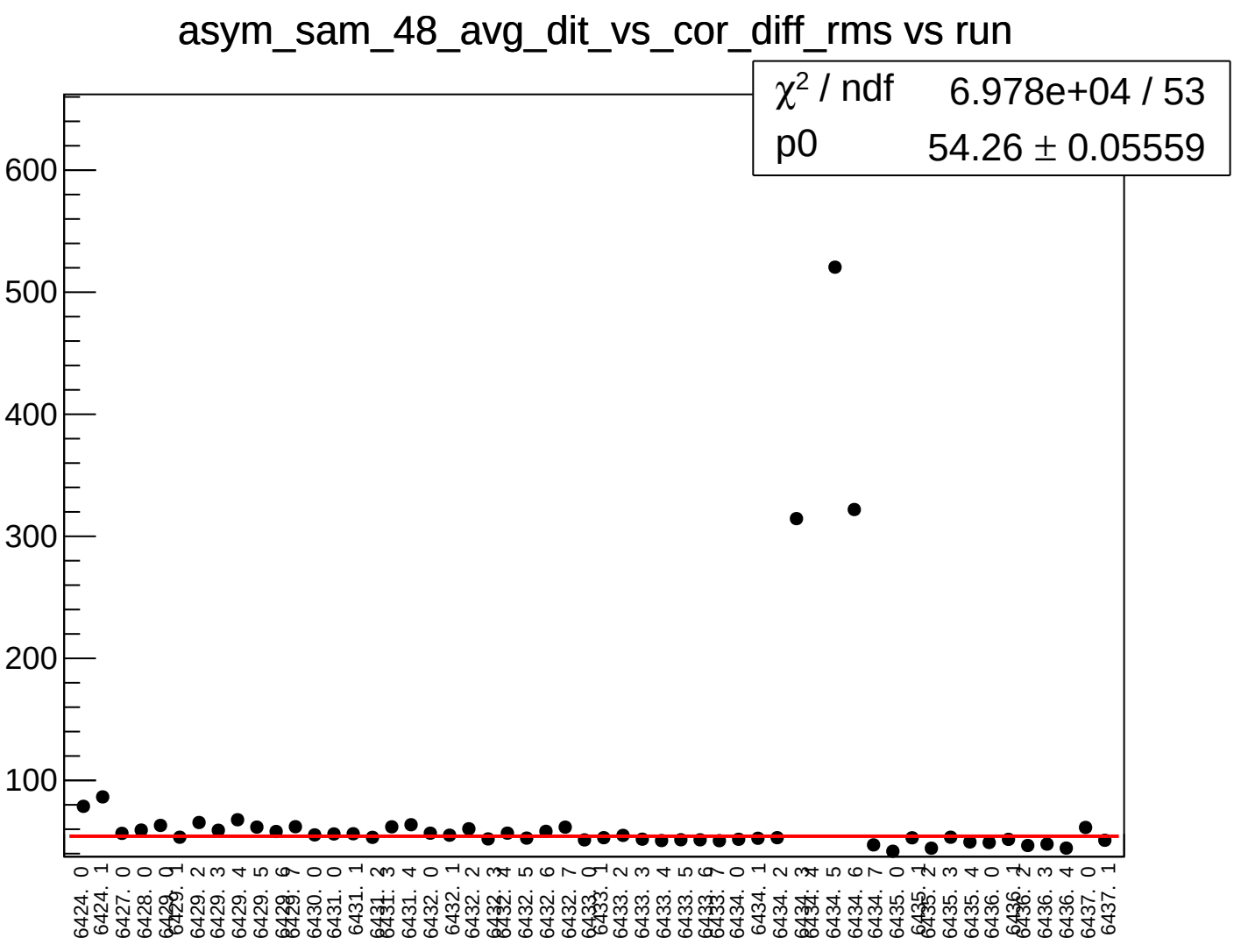

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.08 / 53
p0 −2.441e−14 ± 6.931e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 54
Mean 35.46
Std Dev 8.834
3
2
1
0
−1
−2

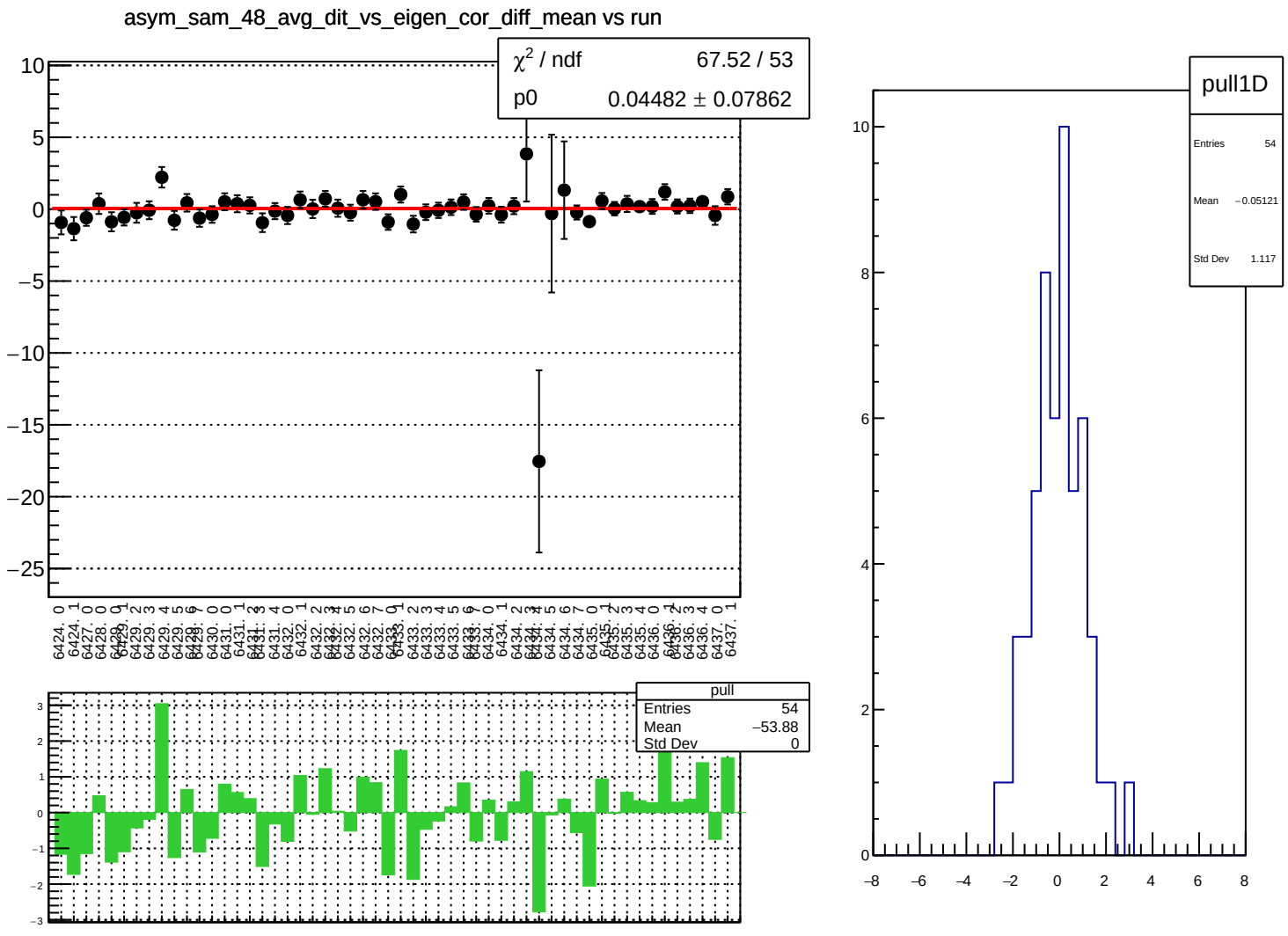

pull1D
Entries 54
Mean 0.1698
Std Dev 1.316
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

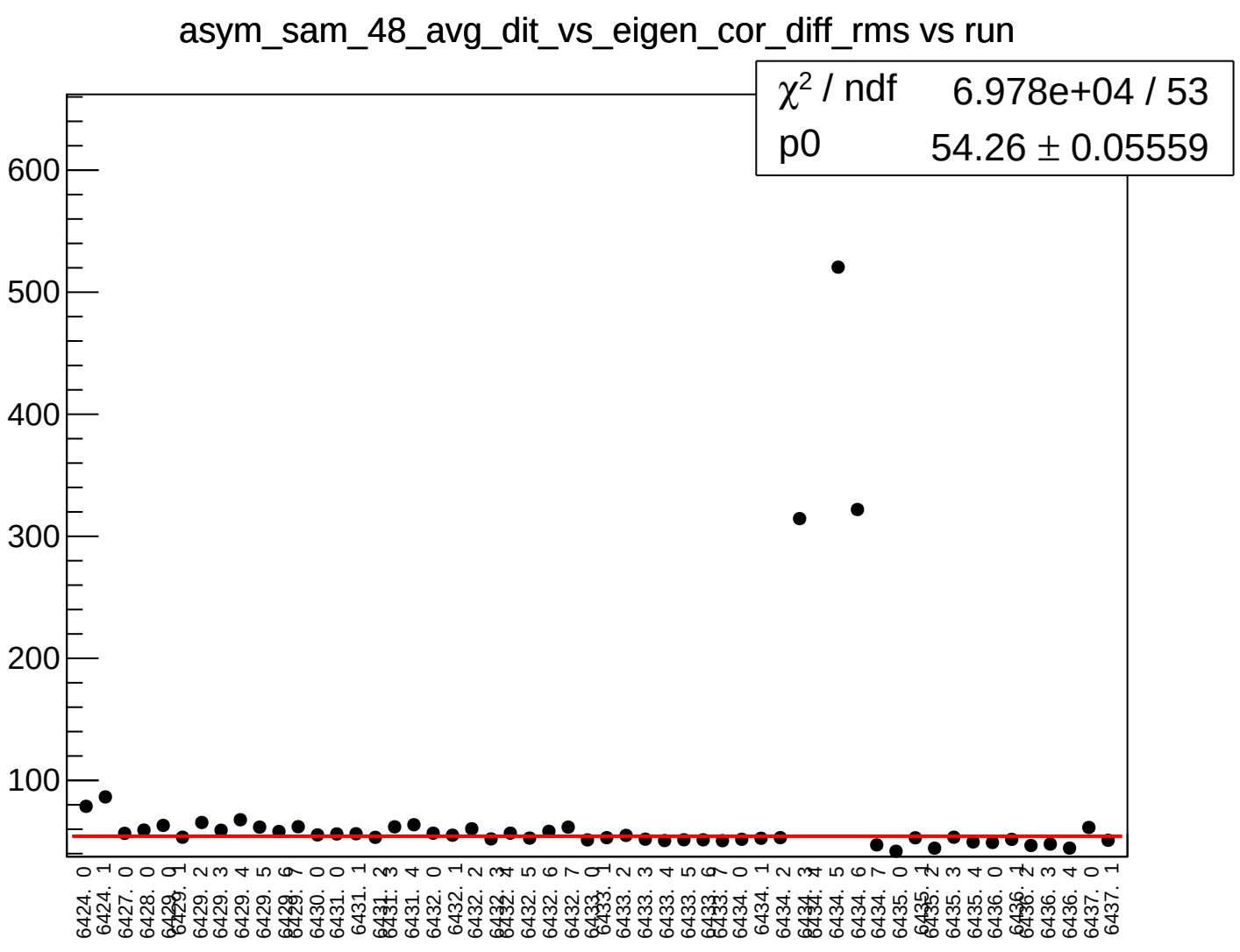

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.209e+05 / 53
p0 2.692e−11 ± 4.901e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

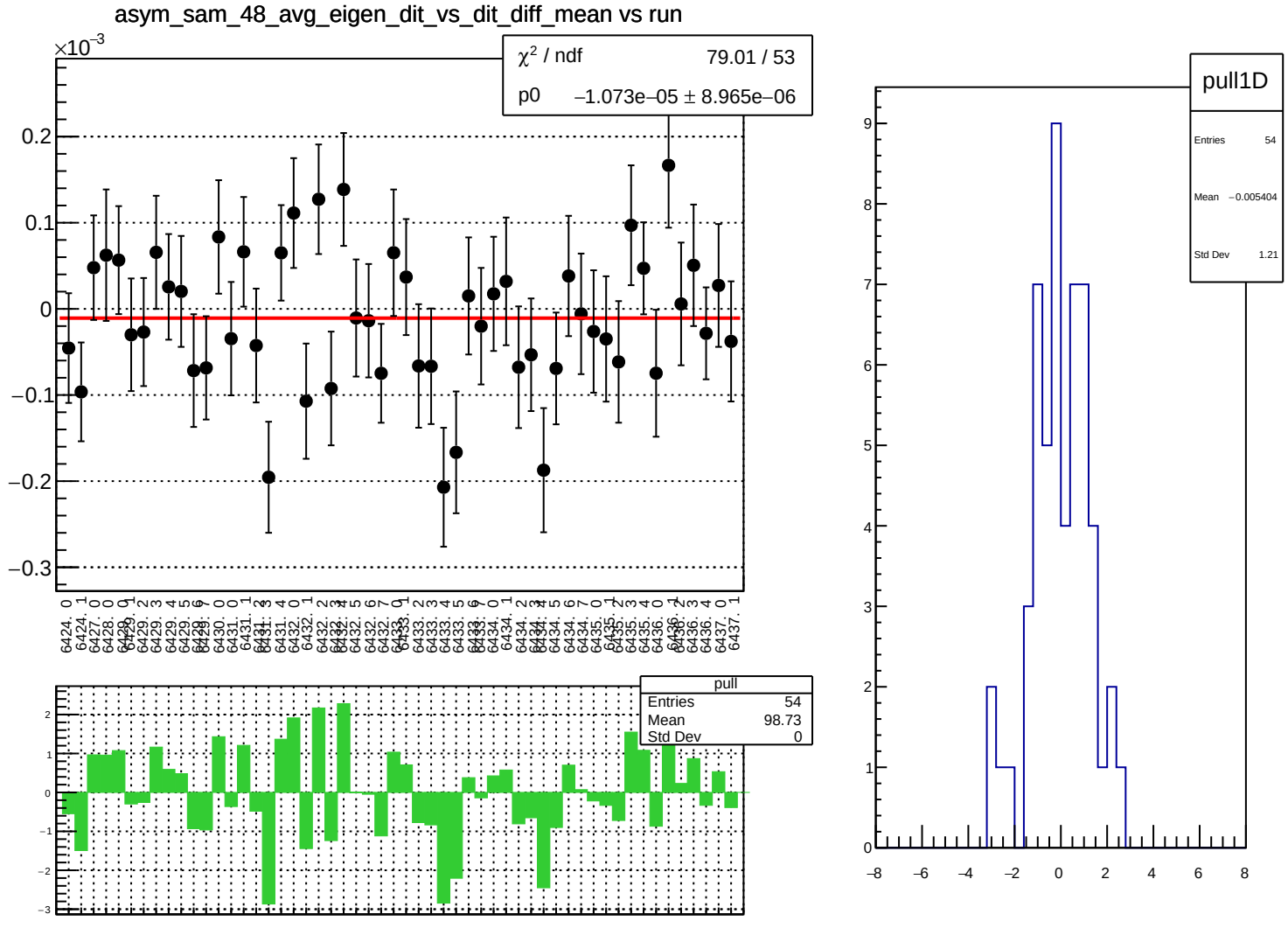

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.52 / 53
p0 0.04482 ± 0.07862
pull
Entries 54
Mean −53.88
Std Dev 0

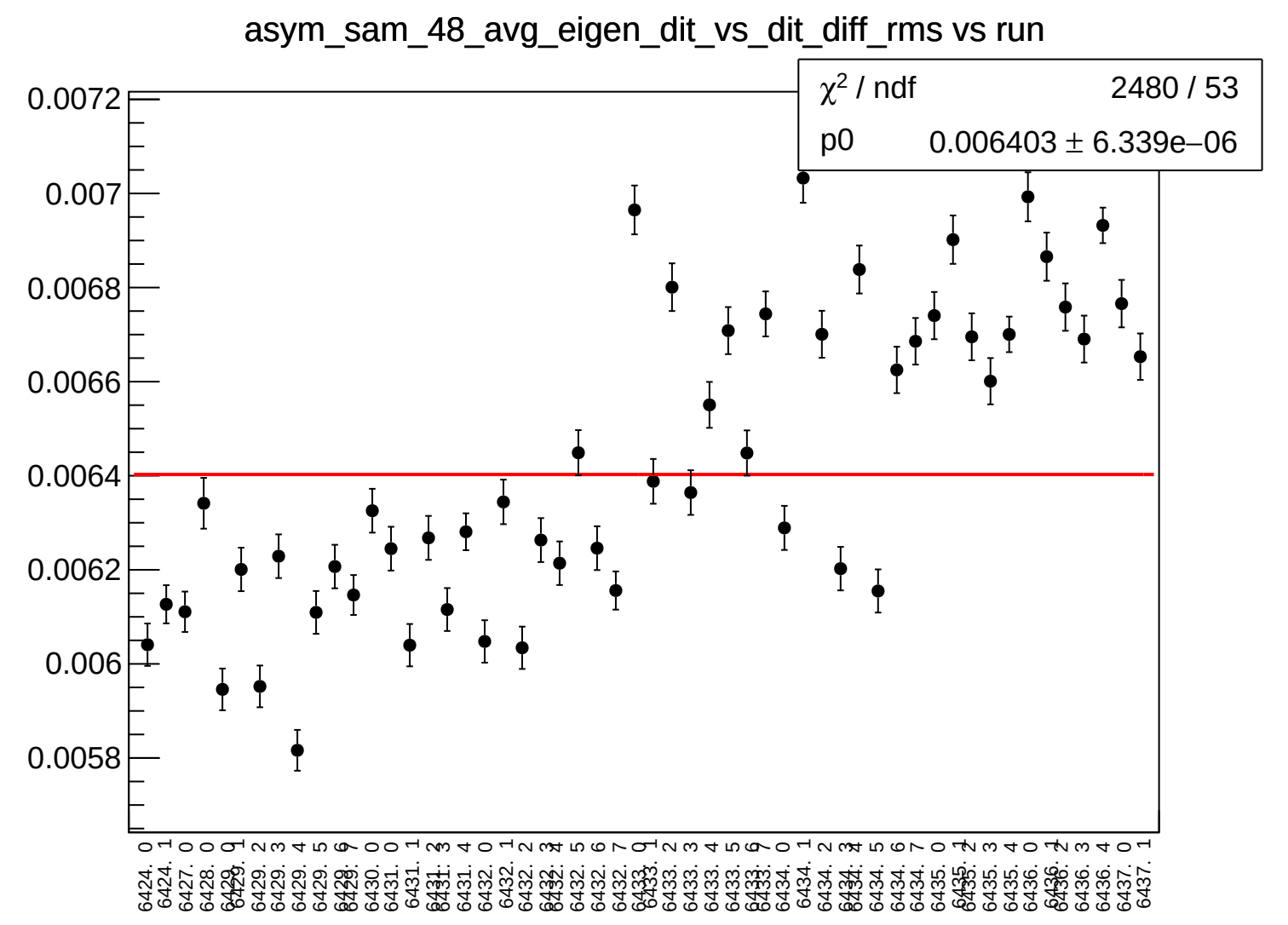

pull1D
Entries 54
Mean −0.05121
Std Dev 1.117

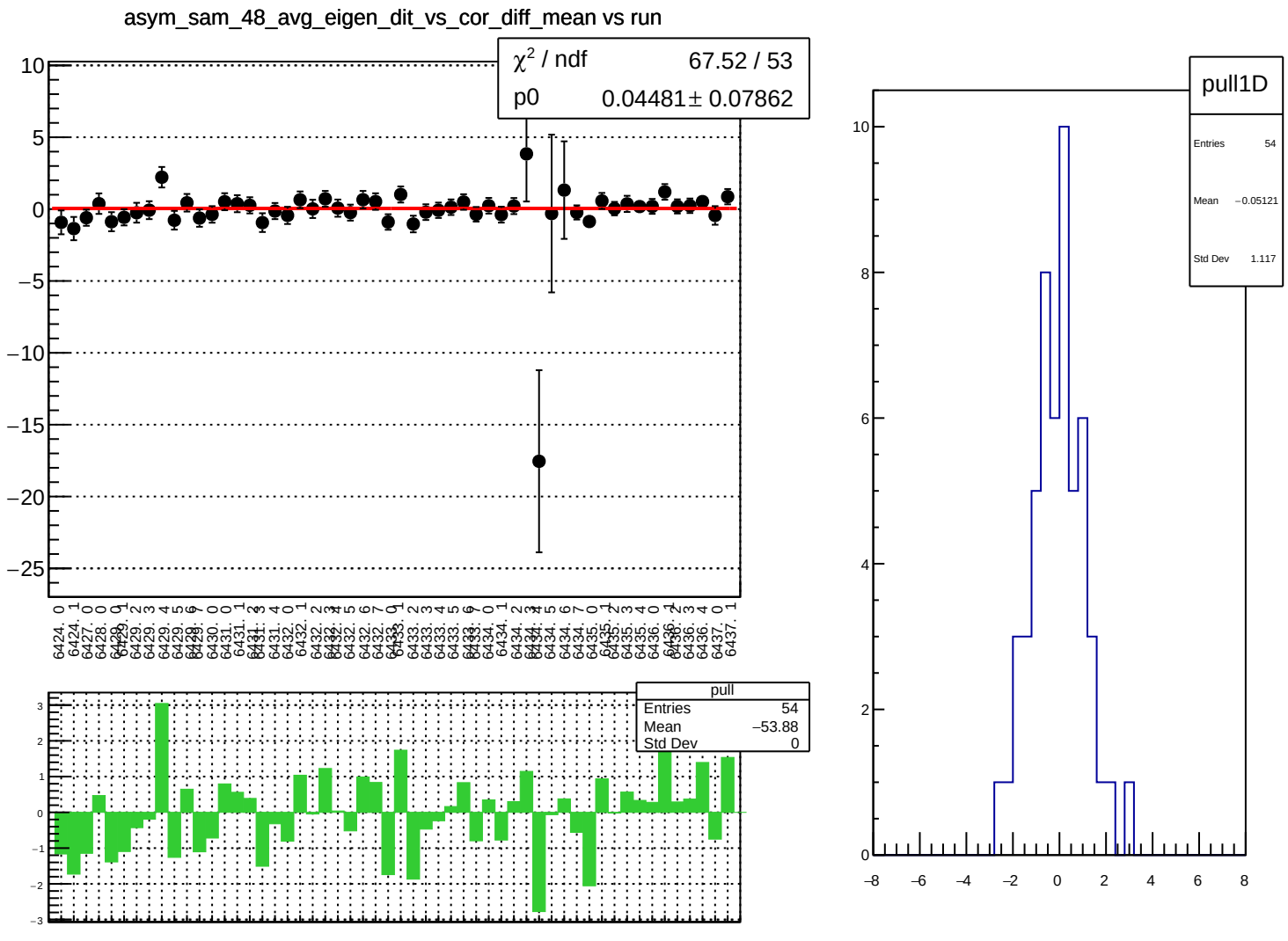

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.978e+04 / 53
p0 54.26 ± 0.05559
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

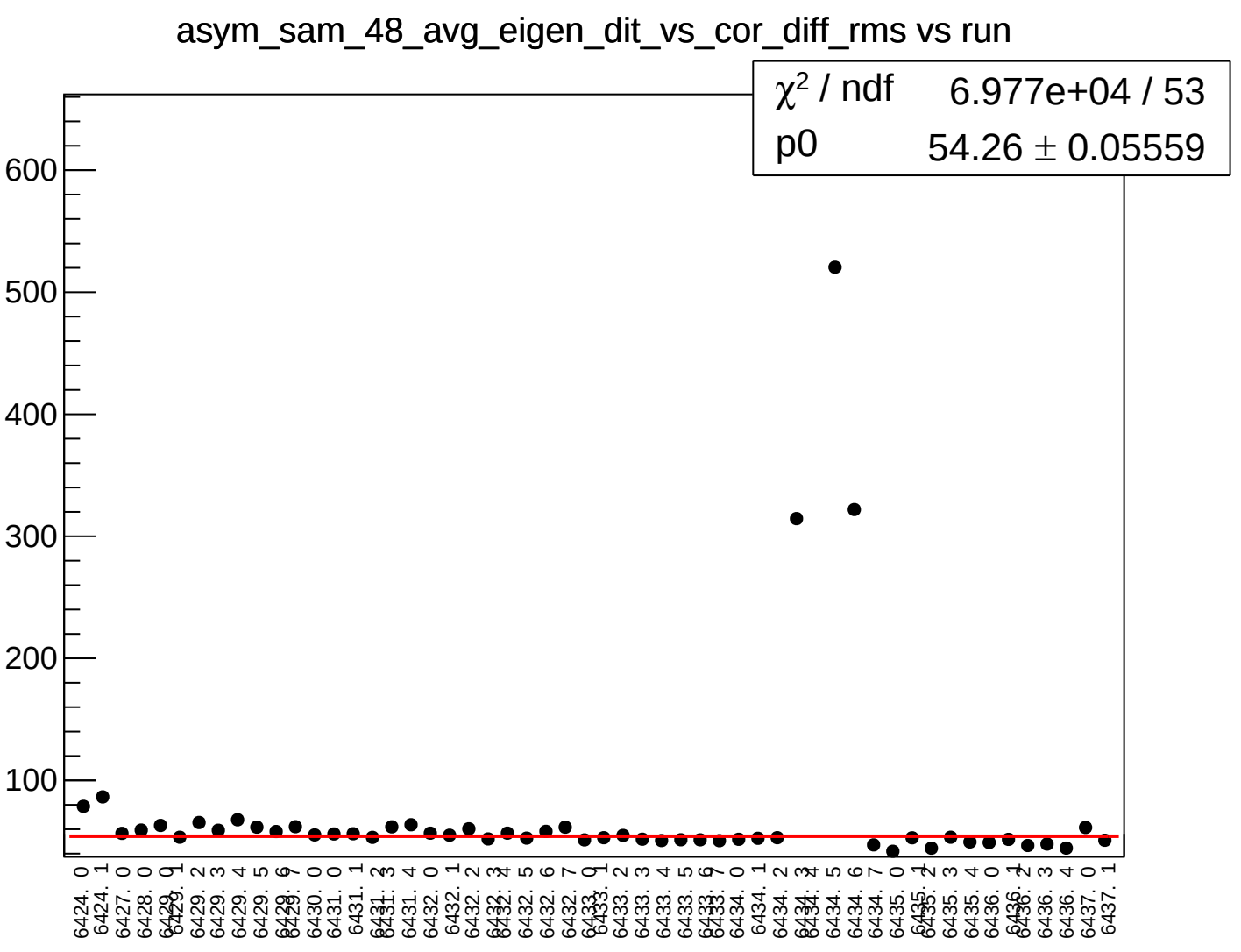

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.52 / 53
p0 0.04482 ± 0.07862
pull
Entries 54
Mean −53.88
Std Dev 0
pull1D
Entries 54
Mean −0.05121
Std Dev 1.117

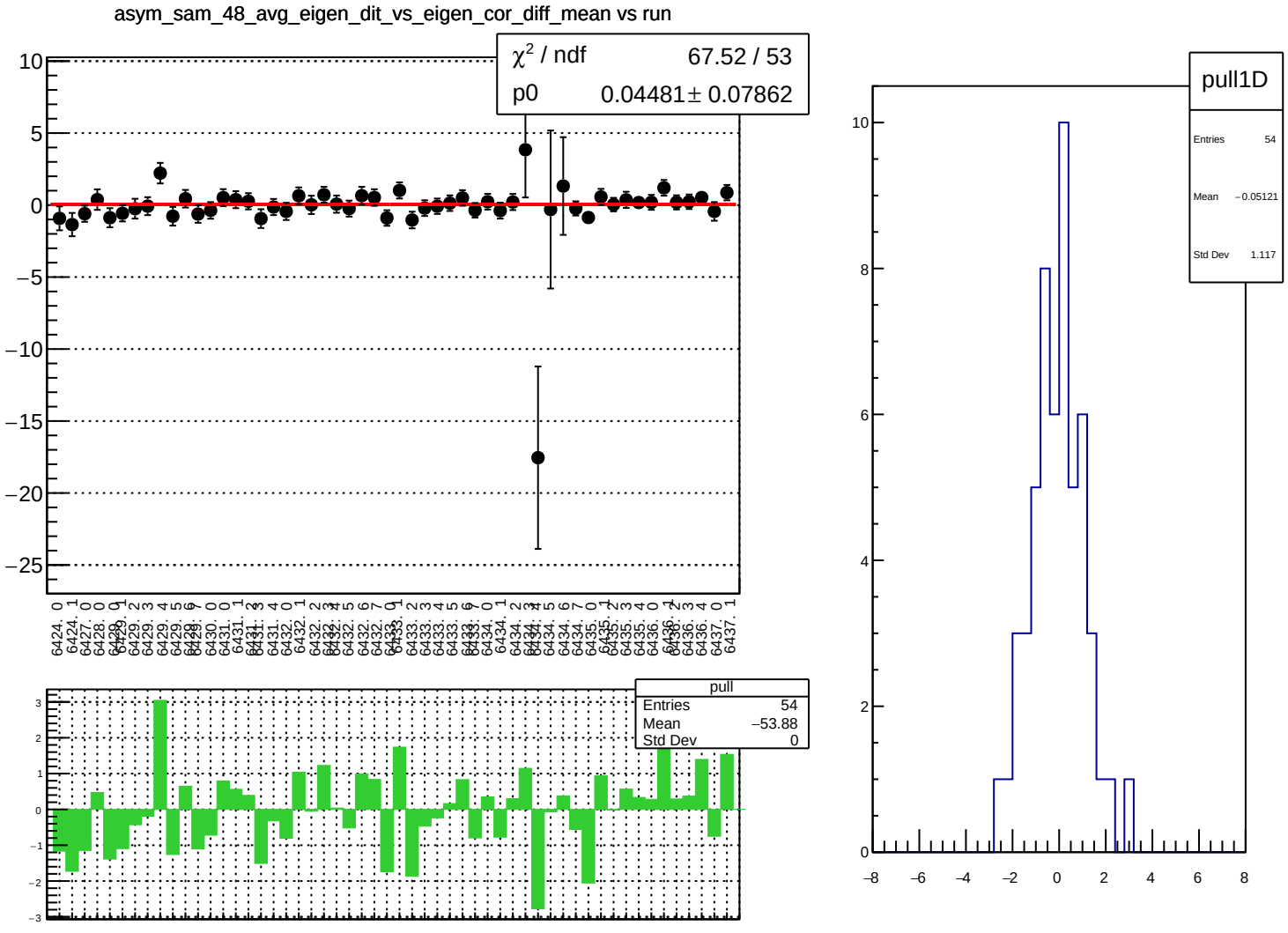

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.978e+04 / 53
p0 54.26 ± 0.05559
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

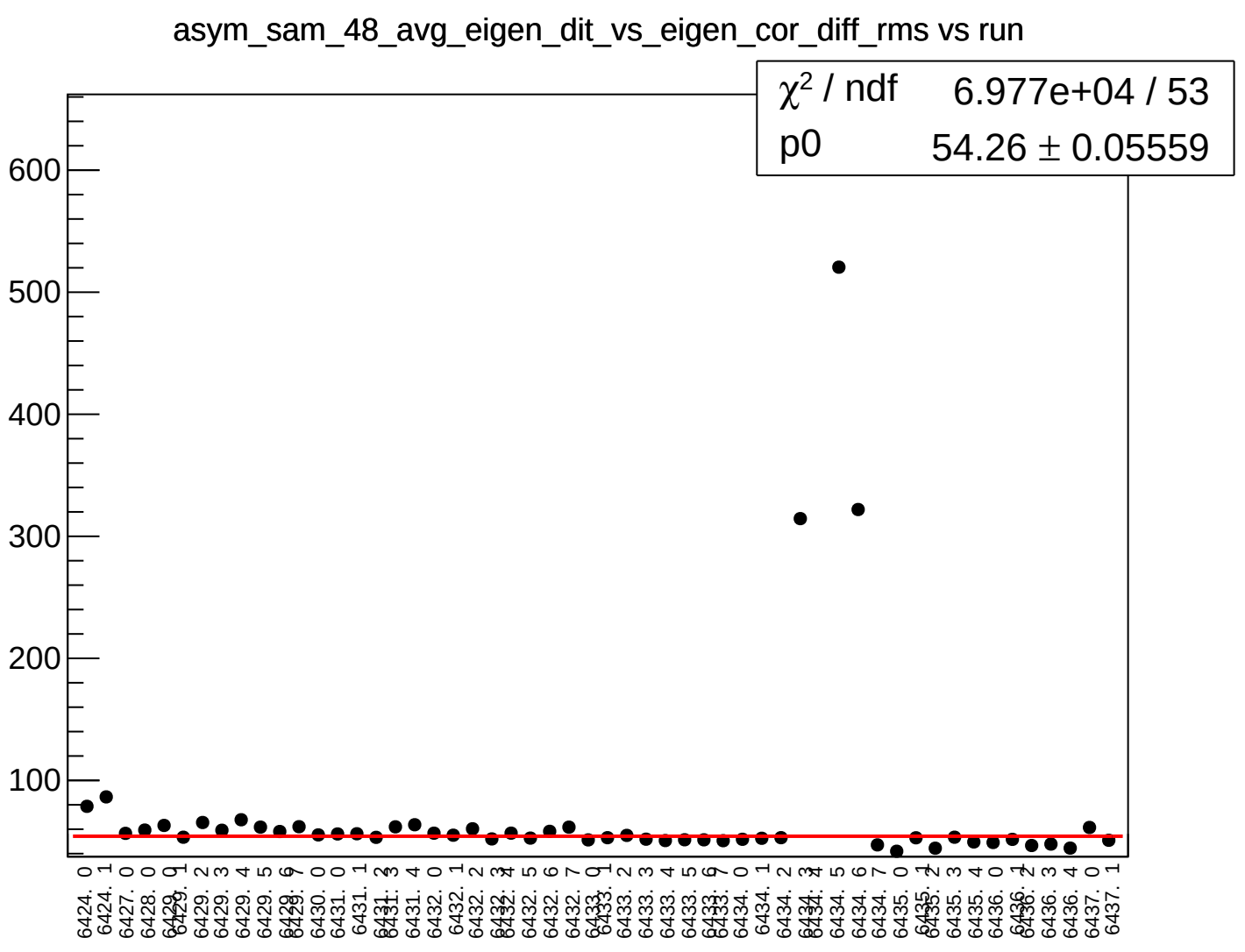

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.01 / 53
p0 −1.073e−05 ± 8.965e−06
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 54
Mean 98.73
Std Dev 0
pull1D
Entries 54
Mean −0.005404
Std Dev 1.21

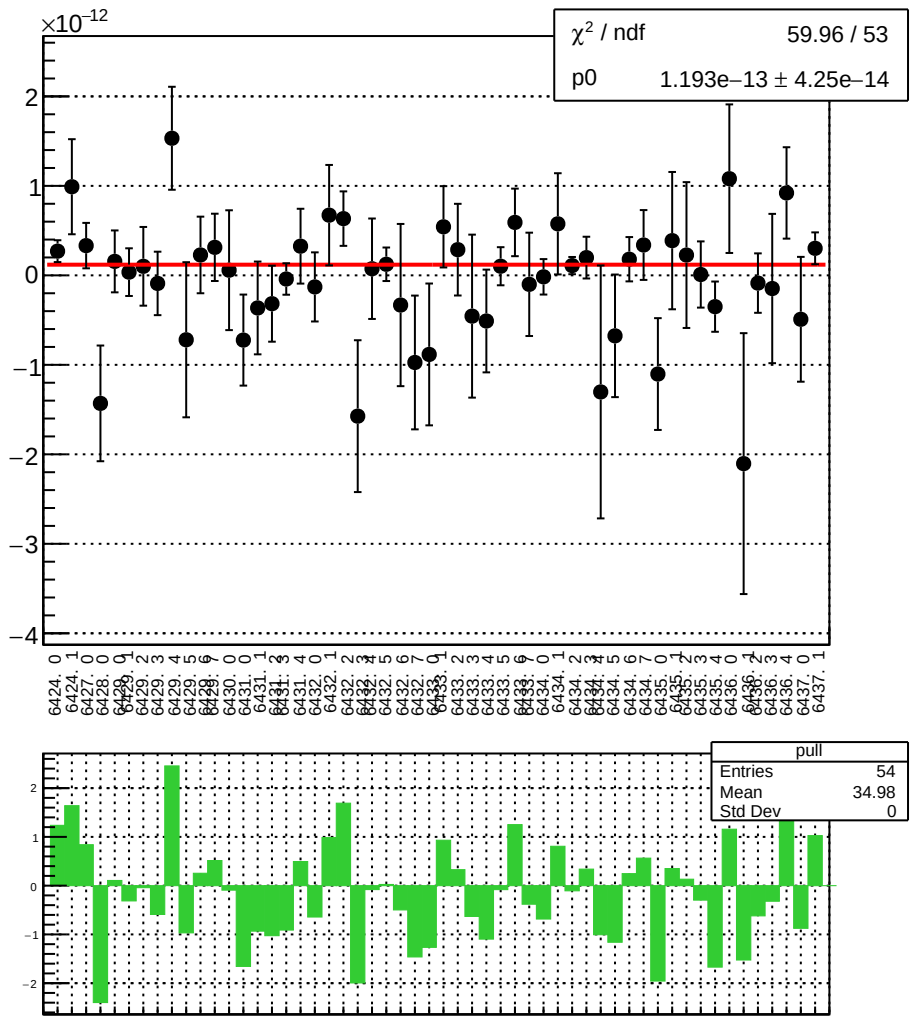

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2480 / 53
p0 0.006403 ± 6.339e−06
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

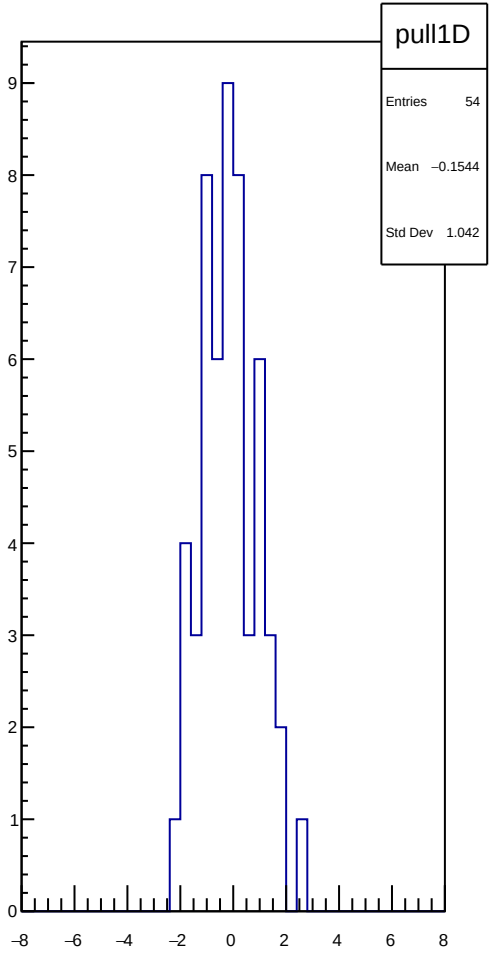

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.52 / 53
p0 0.04481 ± 0.07862
pull
Entries 54
Mean −53.88
Std Dev 0
pull1D
Entries 54
Mean −0.05121
Std Dev 1.117

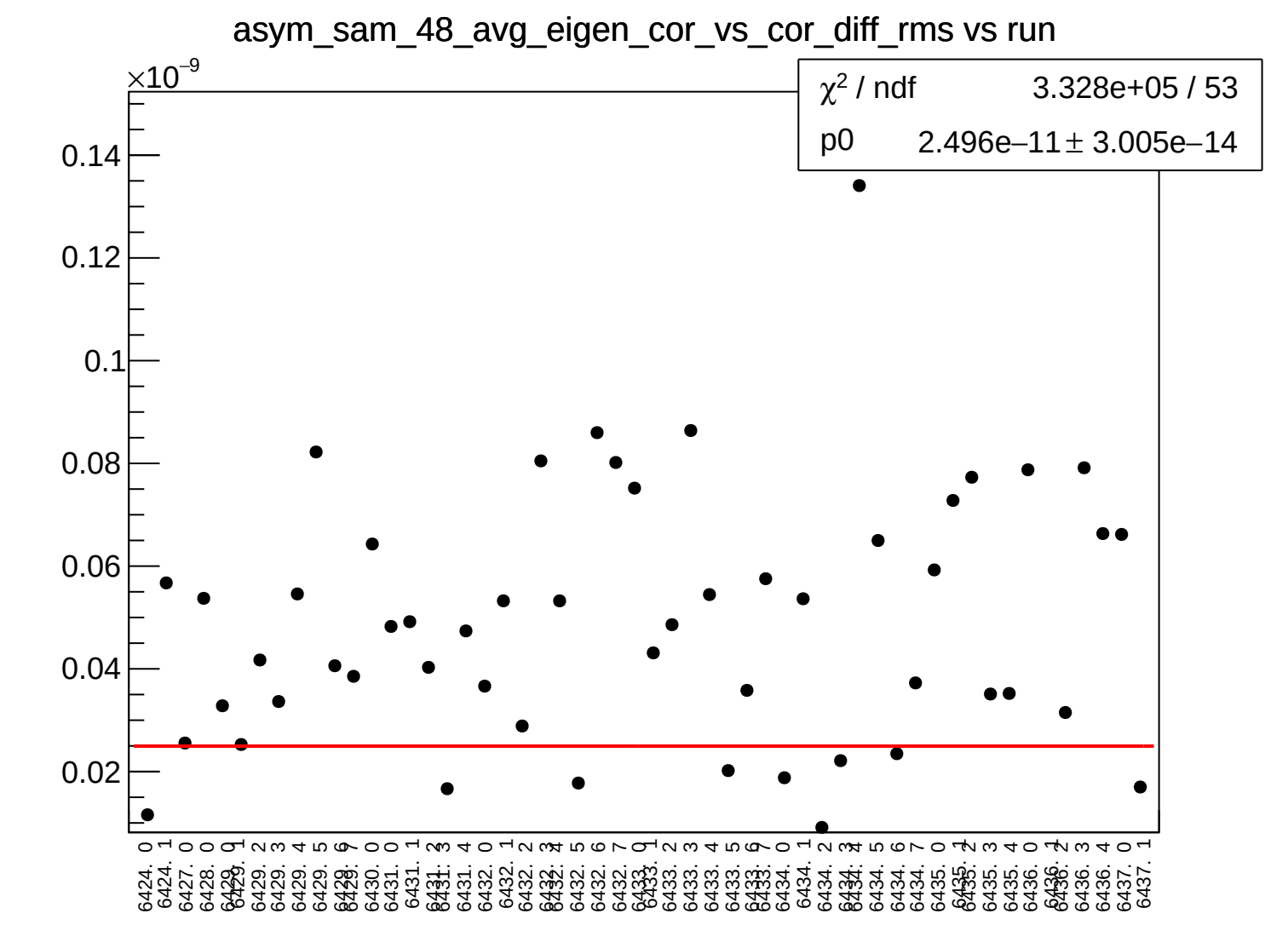

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.977e+04 / 53
p0 54.26 ± 0.05559
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

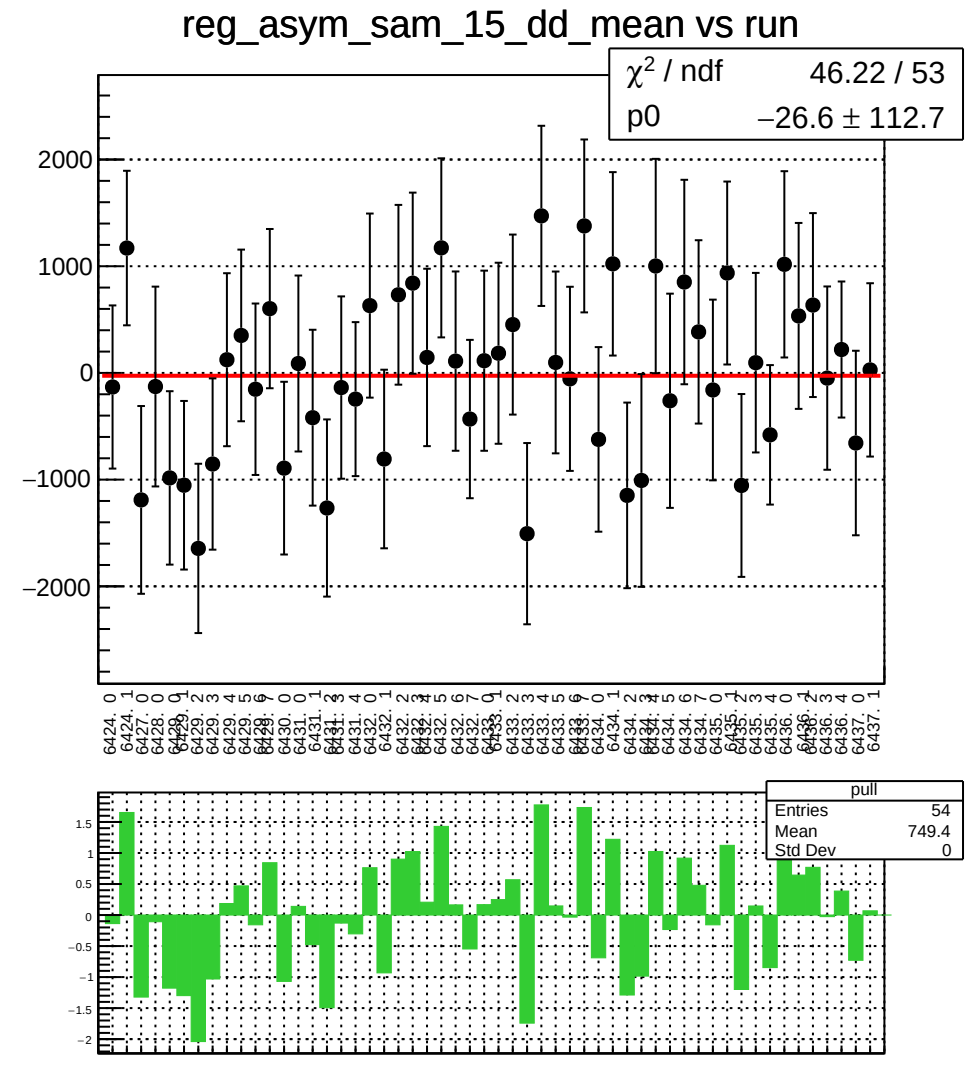

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.52 / 53
p0 0.04481 ± 0.07862
pull
Entries 54
Mean −53.88
Std Dev 0
pull1D
Entries 54
Mean −0.05121
Std Dev 1.117

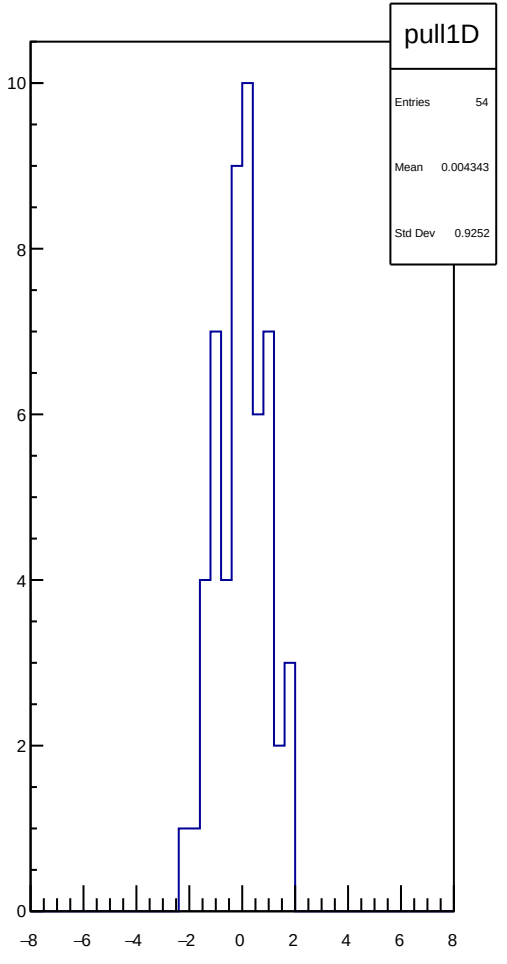

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.977e+04 / 53
p0 54.26 ± 0.05559
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

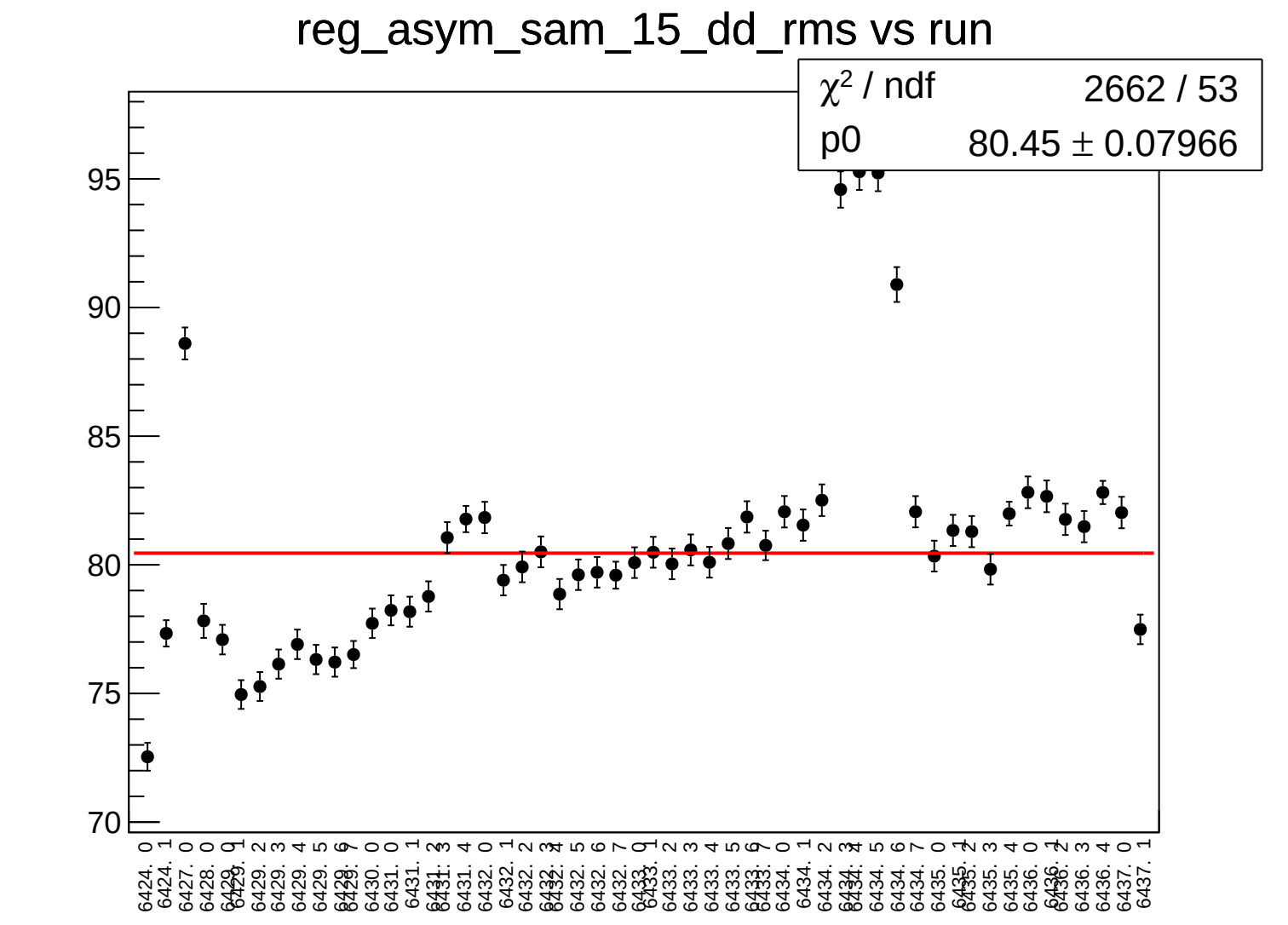

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.96 / 53
p0 1.193e−13 ± 4.25e−14
pull
Entries 54
Mean 34.98
Std Dev 0

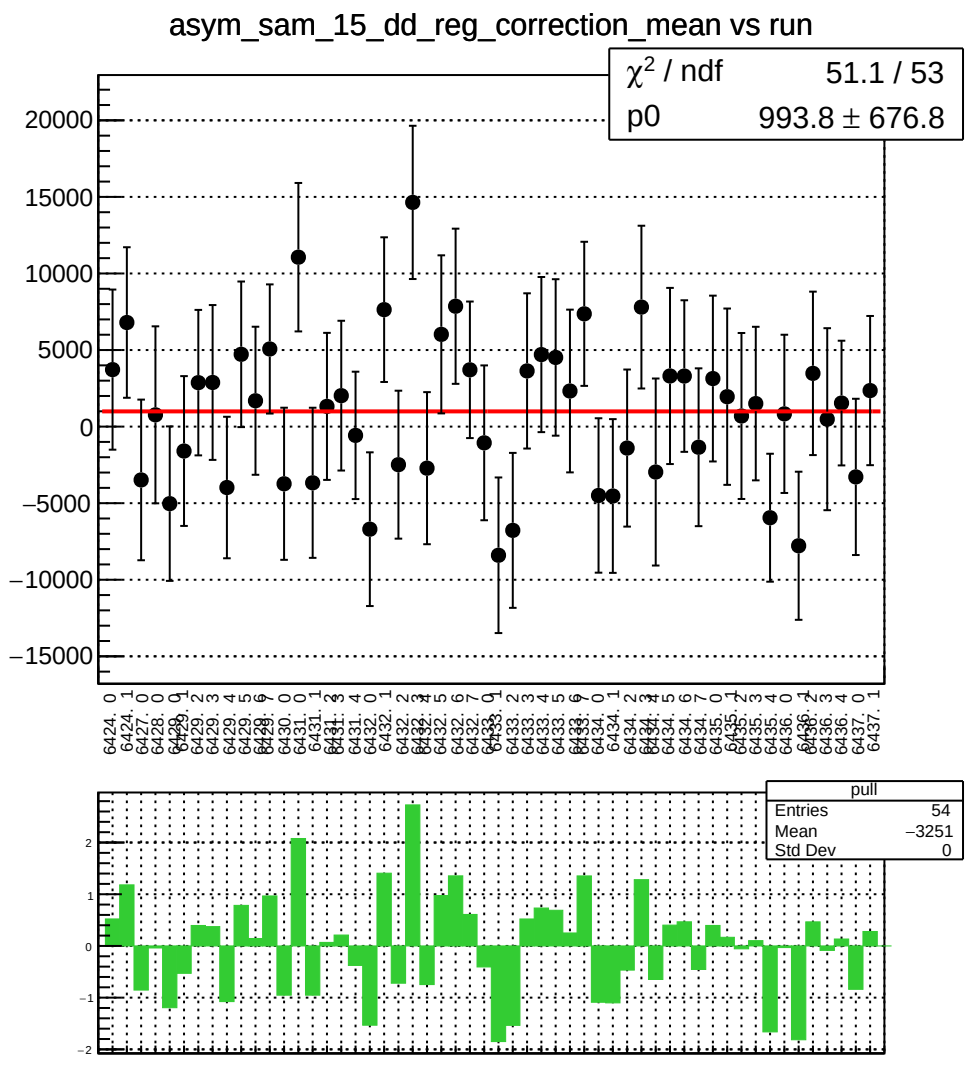

pull1D
Entries 54
Mean −0.1544
Std Dev 1.042

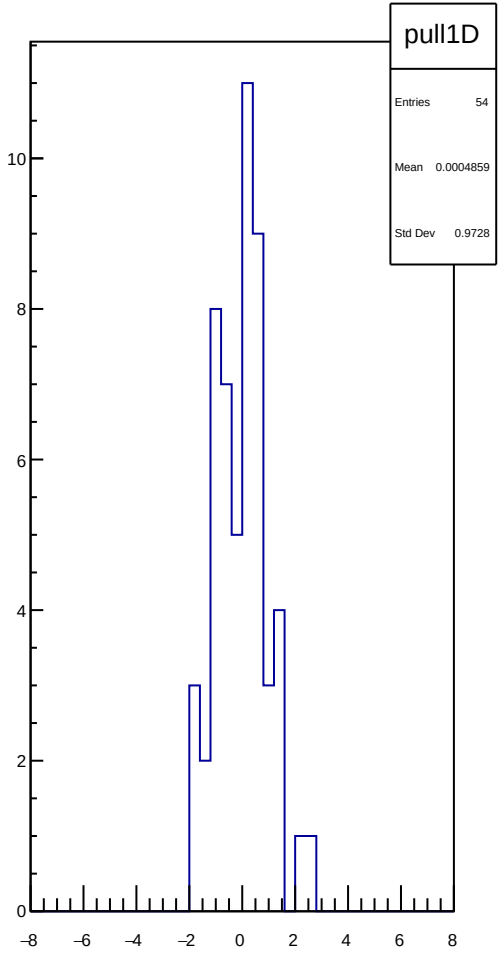

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.328e+05 / 53
p0 2.496e−11 ± 3.005e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

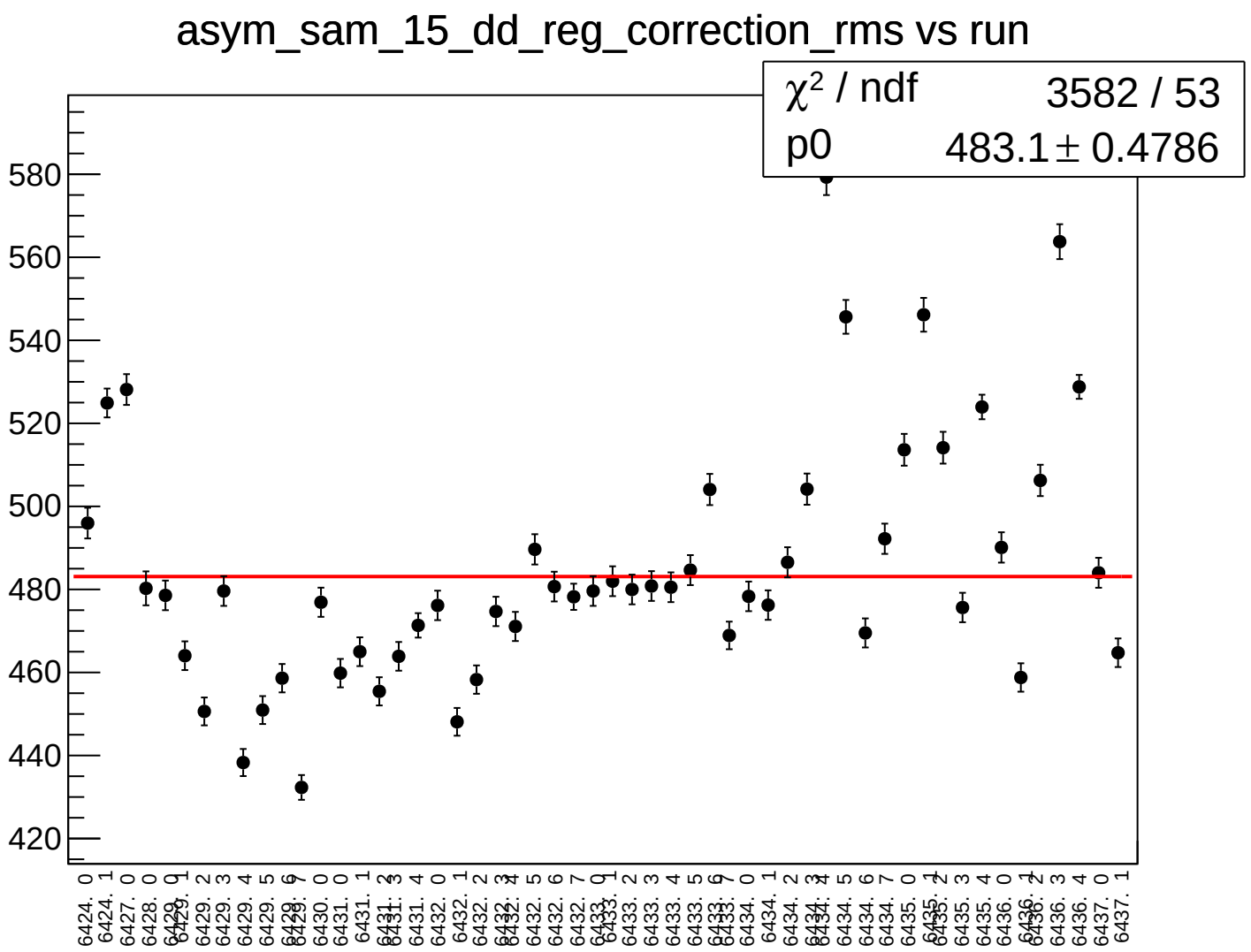

reg_asym_sam_15_dd_mean vs run
χ² / ndf 46.22 / 53
p0 −26.6 ± 112.7
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 749.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

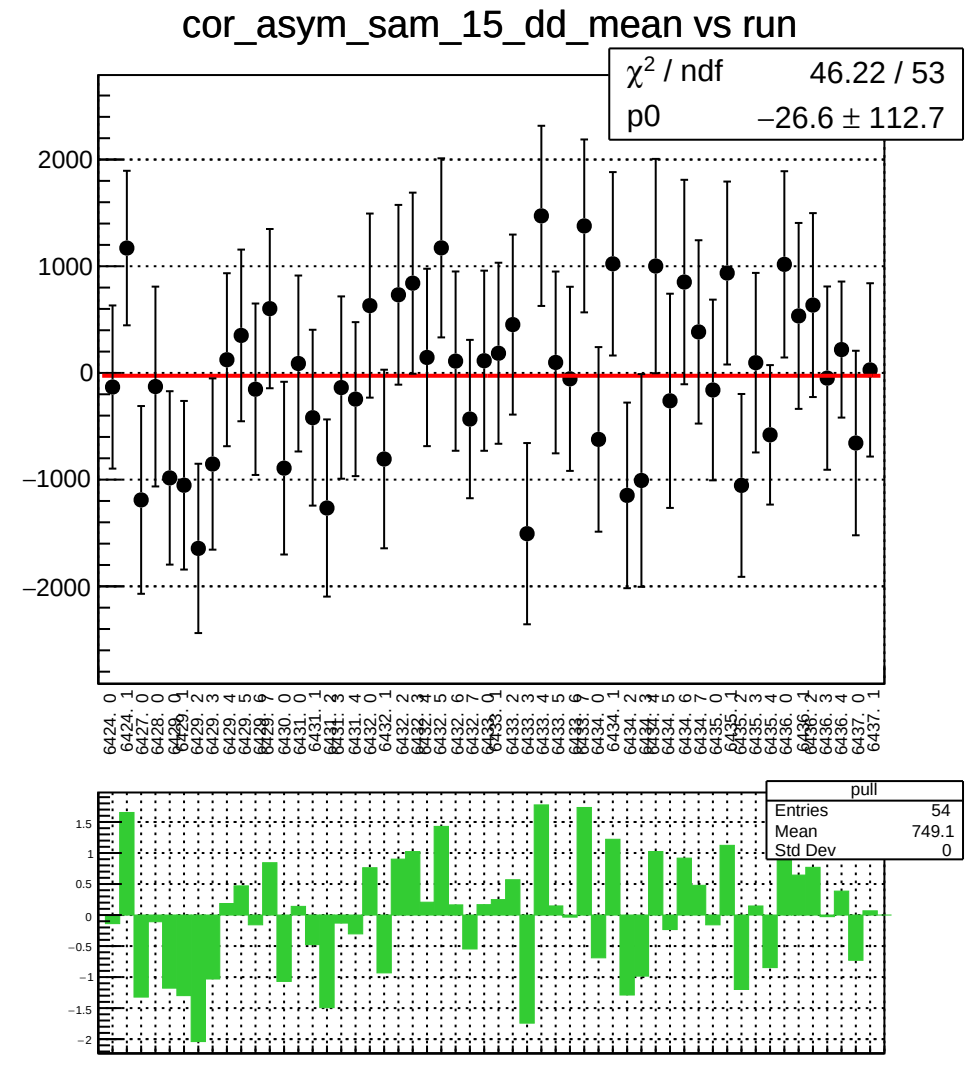

pull1D
Entries 54
Mean 0.004343
Std Dev 0.9252
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

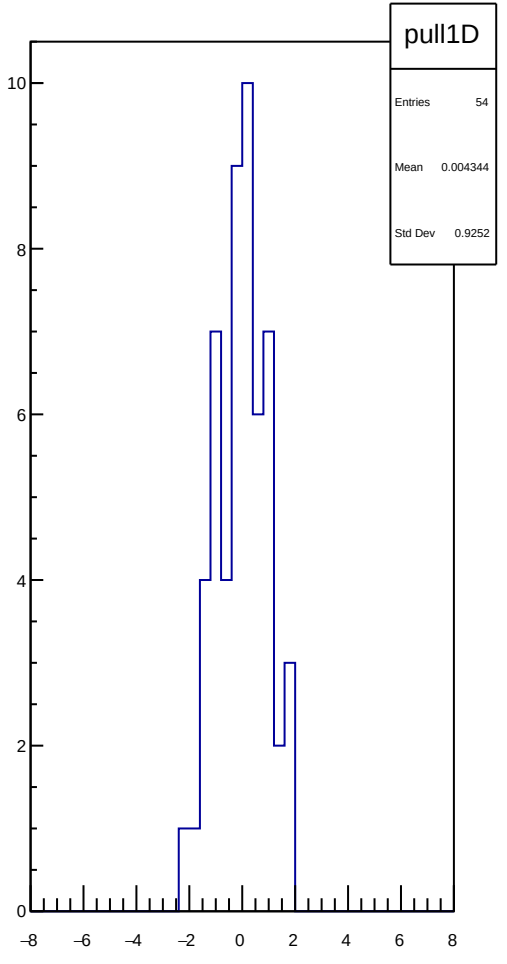

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 2662 / 53
p0 80.45 ± 0.07966
95
90
85
80
75
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

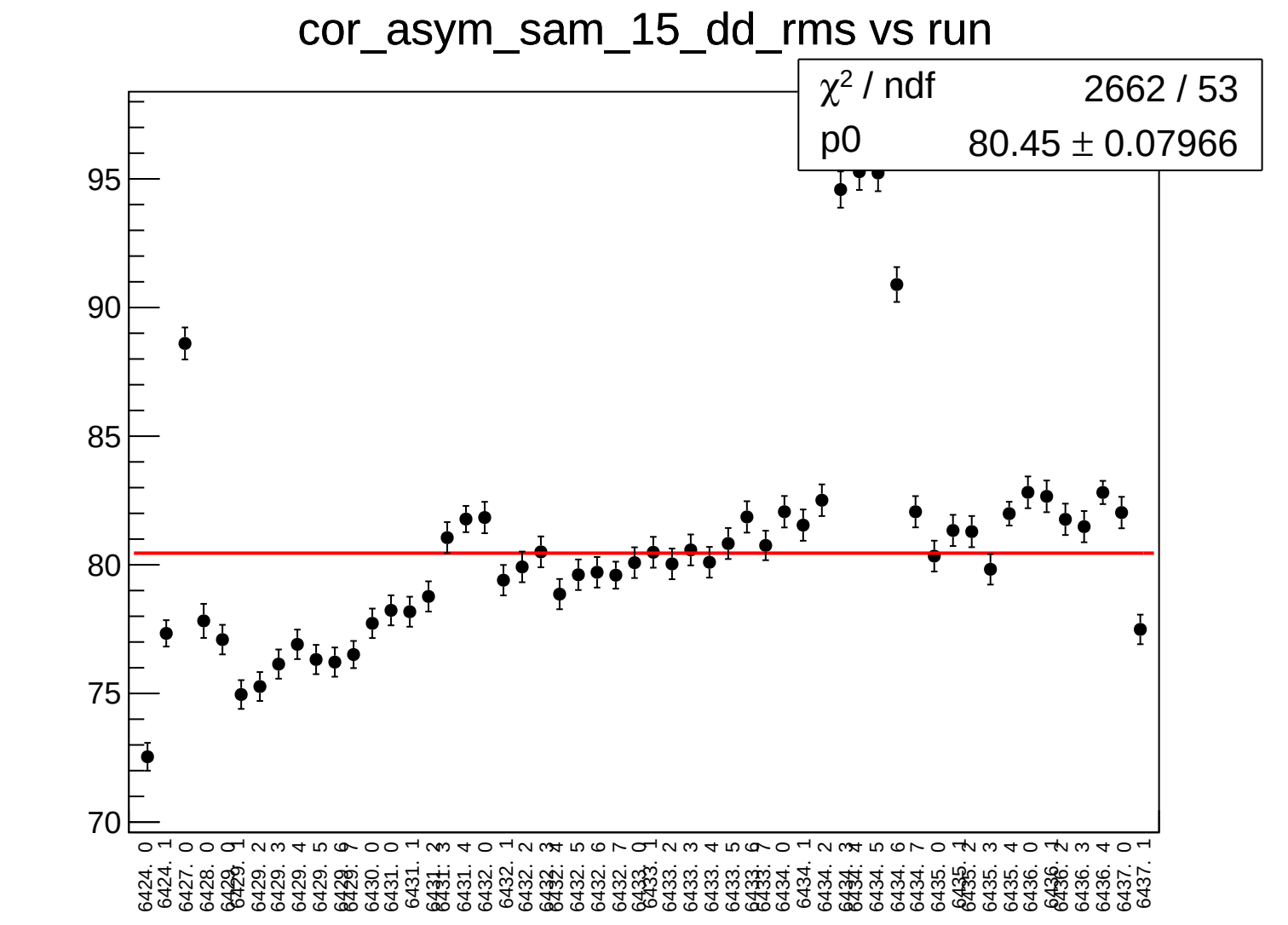

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 51.1 / 53
p0 993.8 ± 676.8
pull
Entries 54
Mean −3251
Std Dev 0

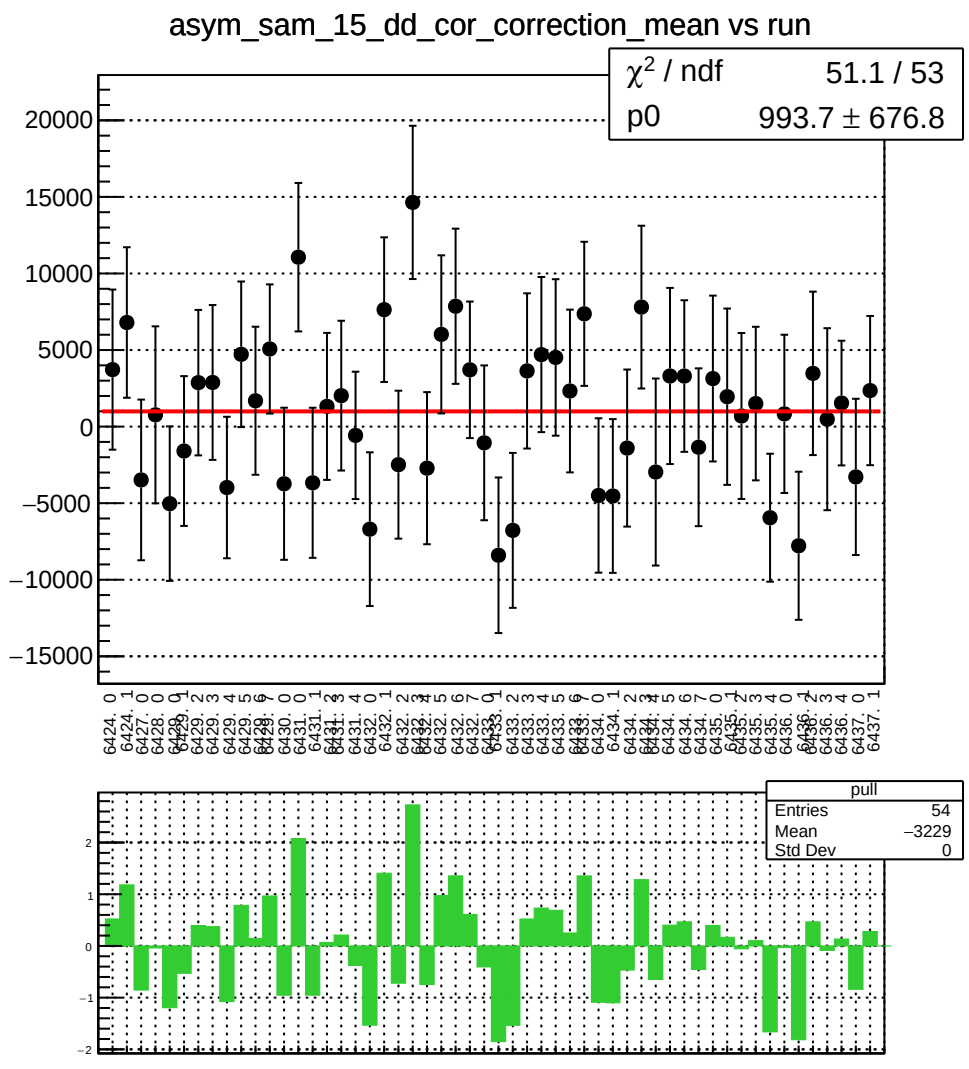

pull1D
Entries 54
Mean 0.0004859
Std Dev 0.9728

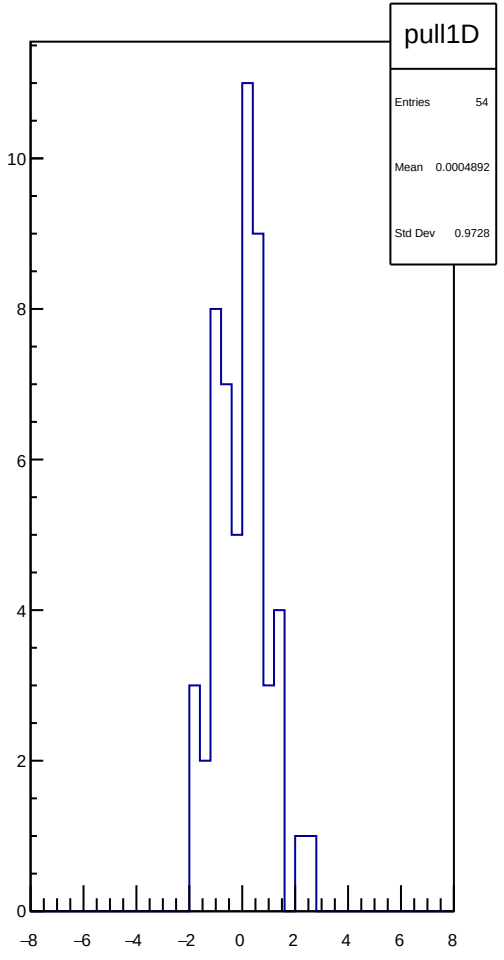

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 3582 / 53
p0 483.1 ± 0.4786
580
560
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

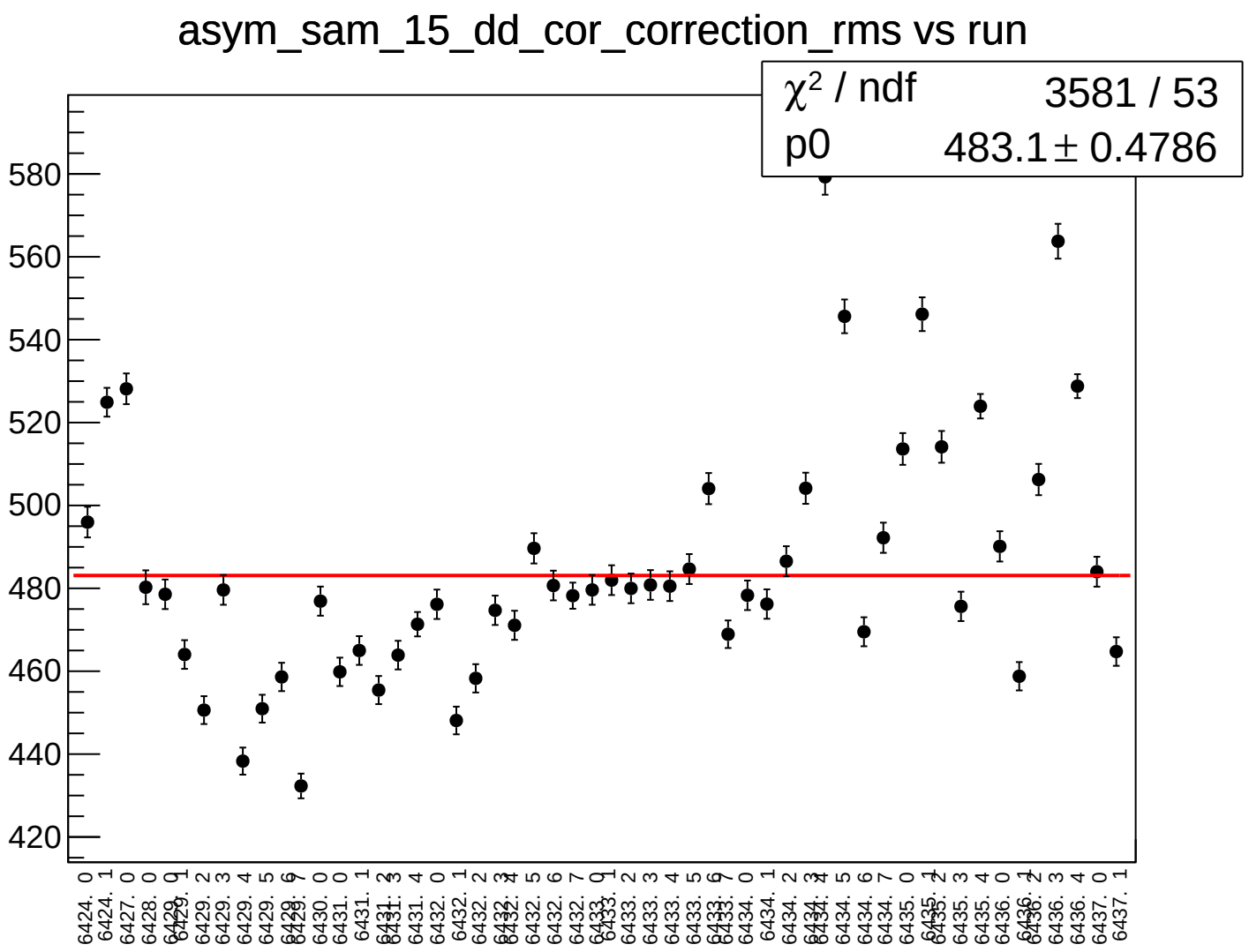

cor_asym_sam_15_dd_mean vs run
χ² / ndf 46.22 / 53
p0 −26.6 ± 112.7
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 749.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

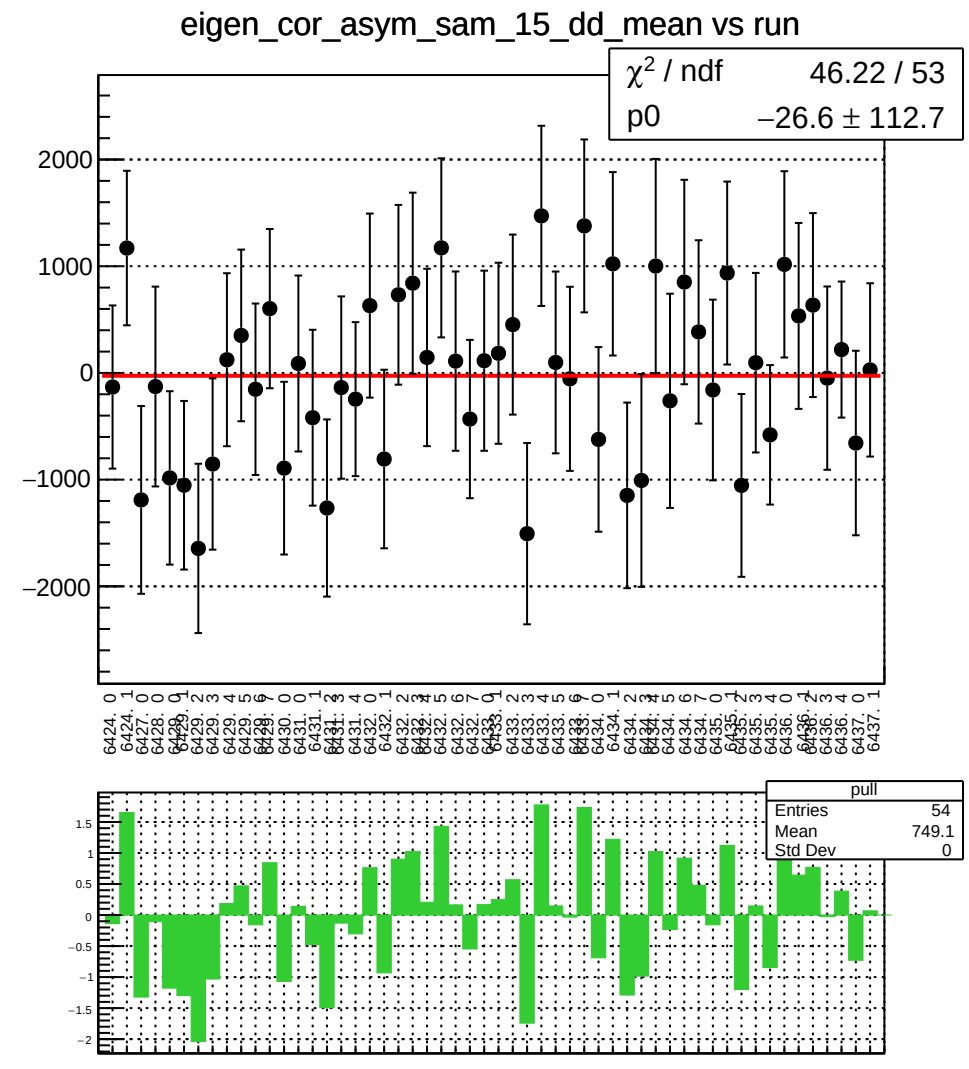

pull1D
Entries 54
Mean 0.004344
Std Dev 0.9252
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

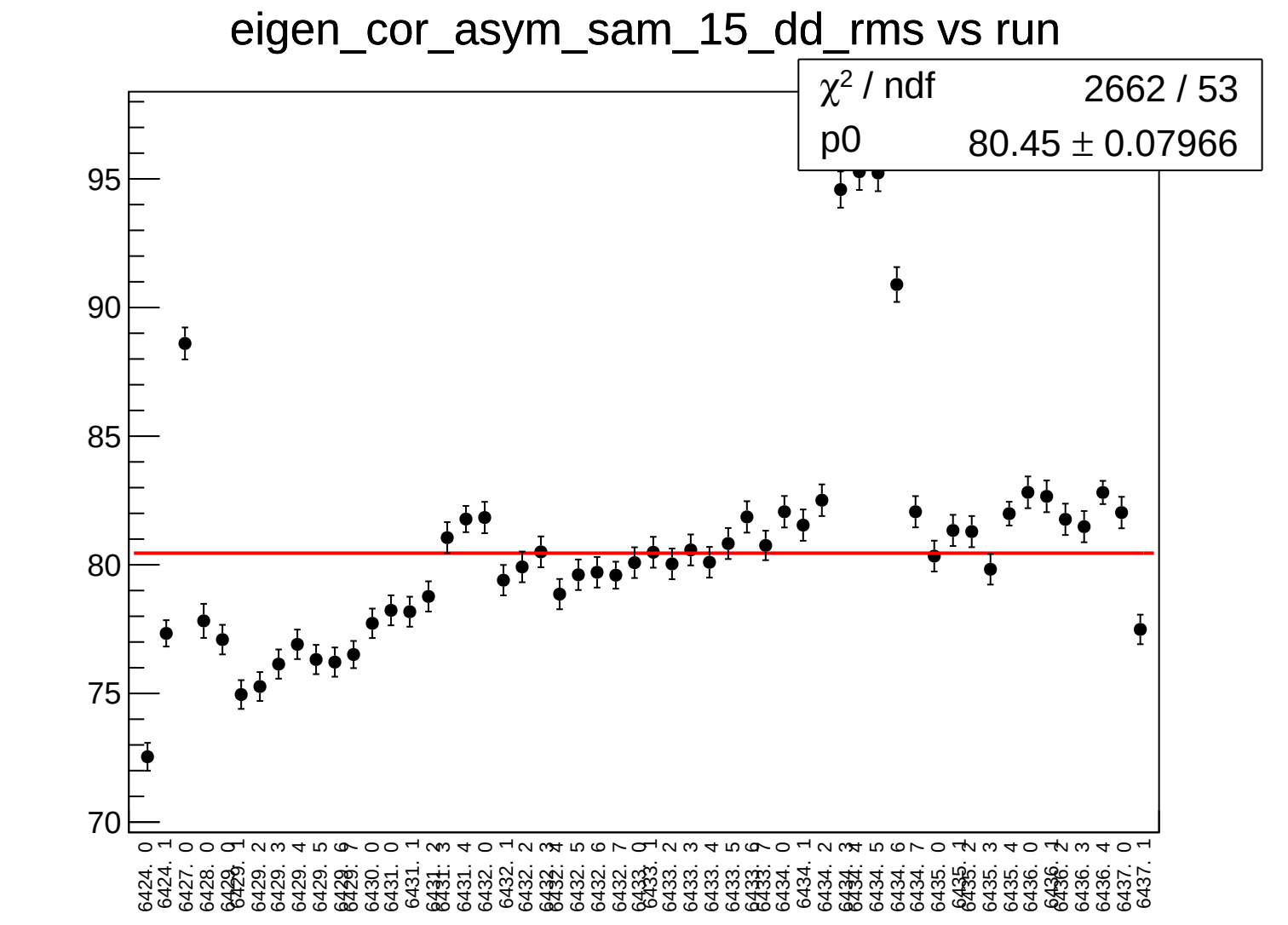

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 2662 / 53
p0 80.45 ± 0.07966
95
90
85
80
75
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

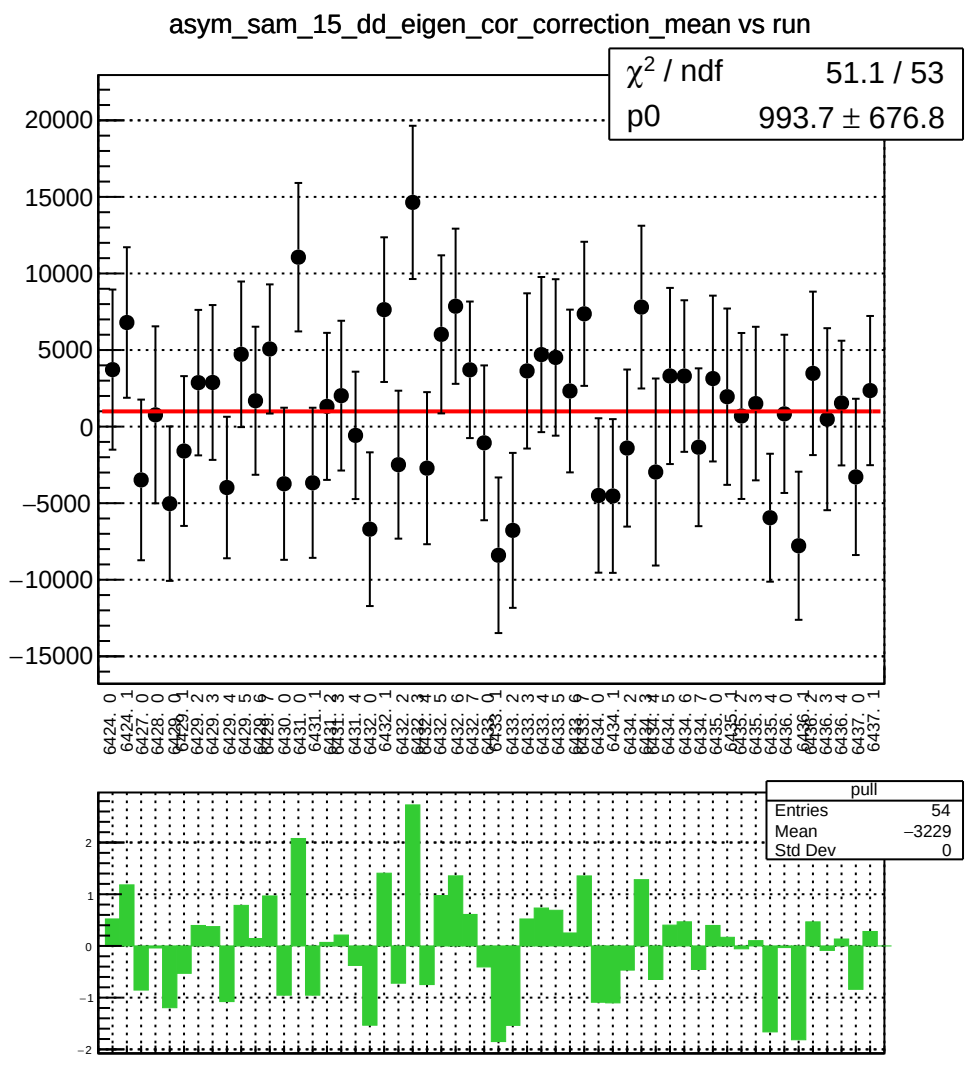

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 51.1 / 53
p0 993.7 ± 676.8
pull
Entries 54
Mean −3229
Std Dev 0

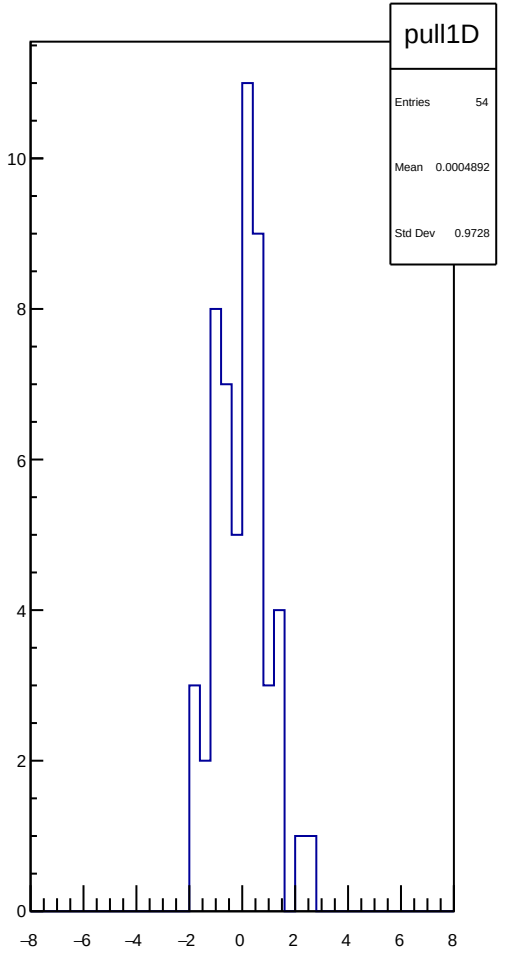

pull1D
Entries 54
Mean 0.0004892
Std Dev 0.9728

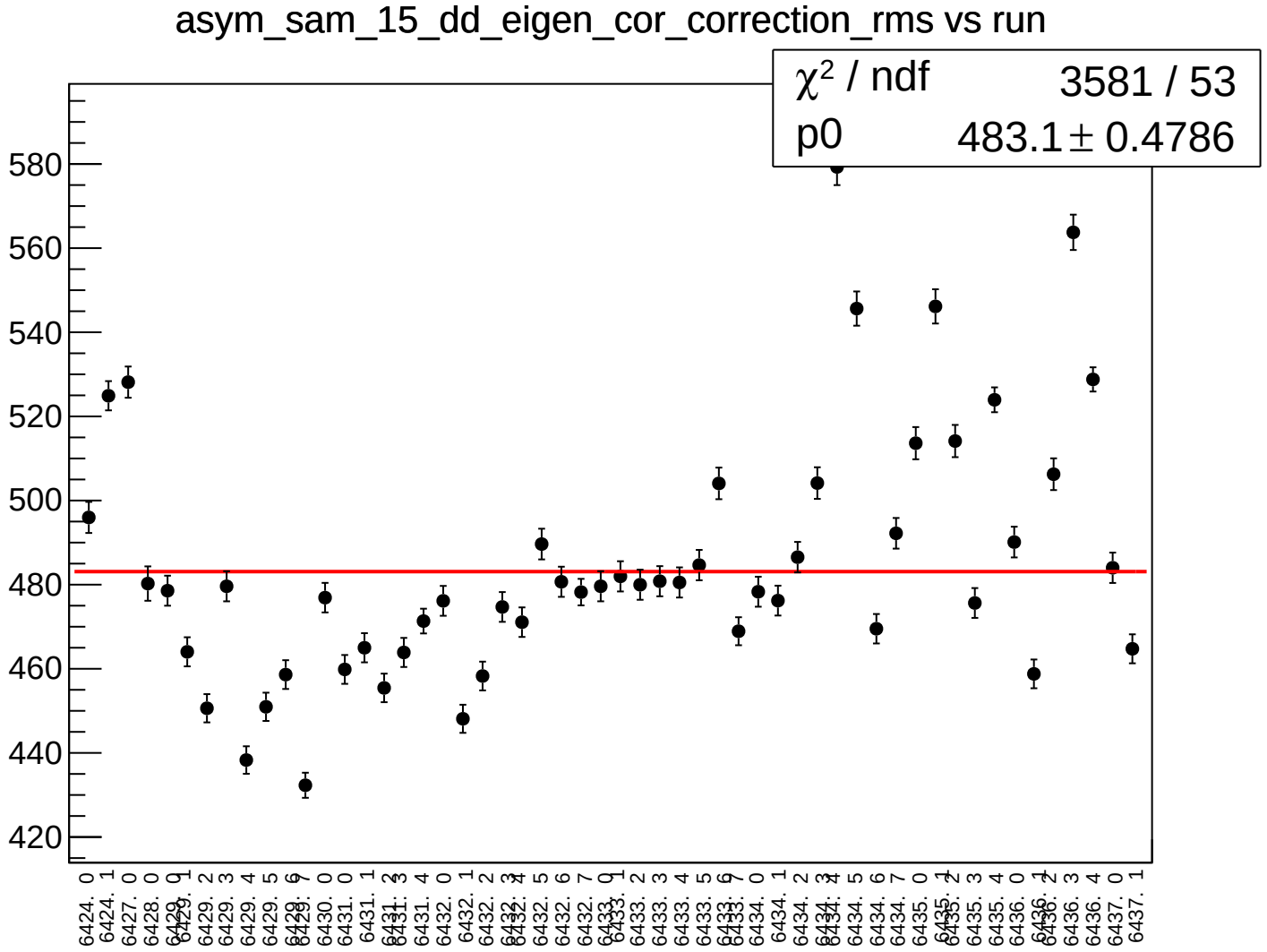

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 3581 / 53
p0 483.1 ± 0.4786
580
560
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

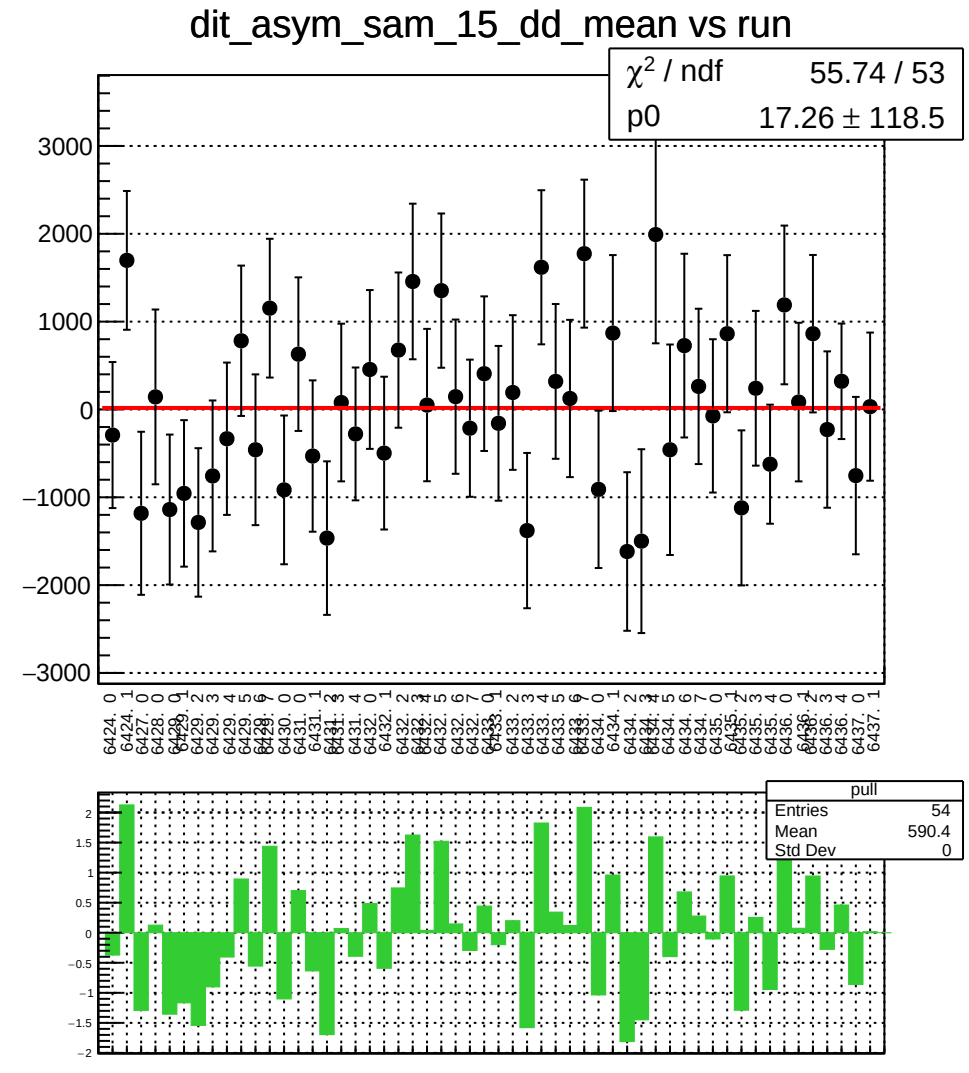

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 46.22 / 53
p0 −26.6 ± 112.7
2000
1000
0
−1000
−2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 749.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.004344
Std Dev 0.9252
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

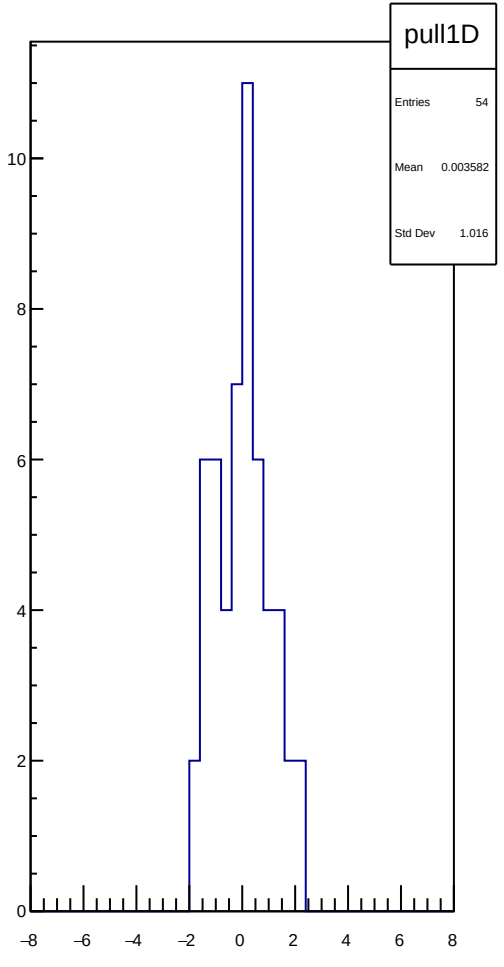

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 2662 / 53
p0 80.45 ± 0.07966
95
90
85
80
75
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

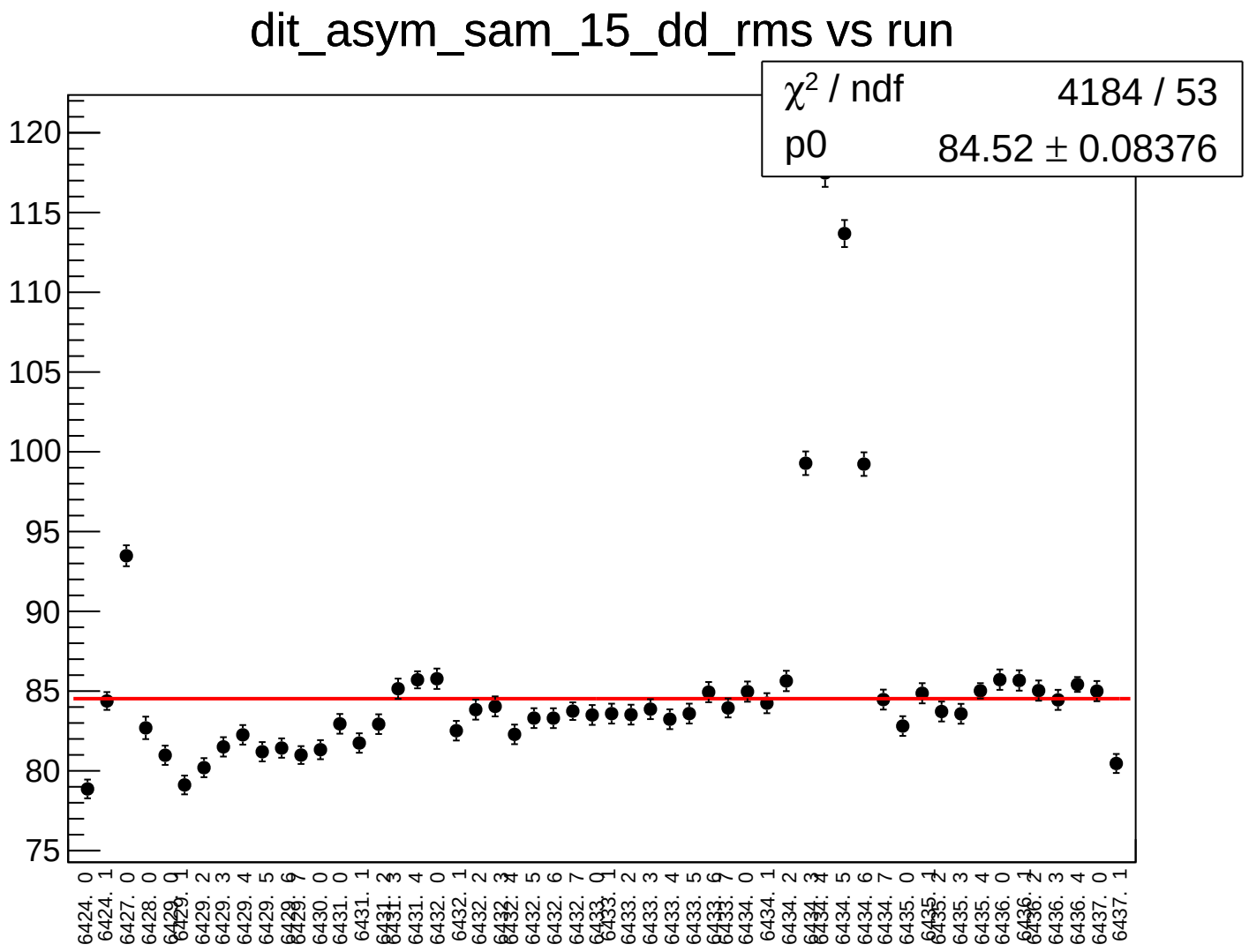

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.1 / 53
p0 993.7 ± 676.8
pull
Entries 54
Mean −3229
Std Dev 0

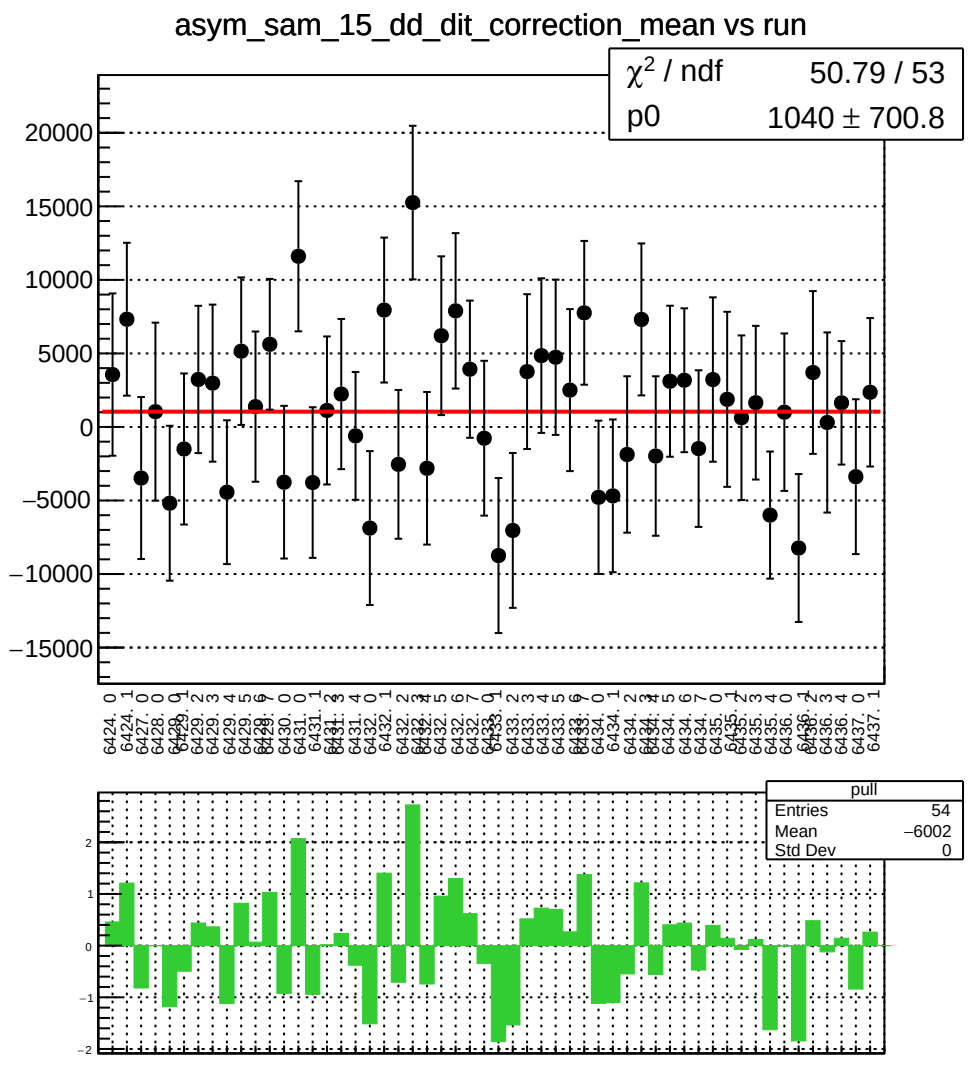

pull1D
Entries 54
Mean 0.0004892
Std Dev 0.9728

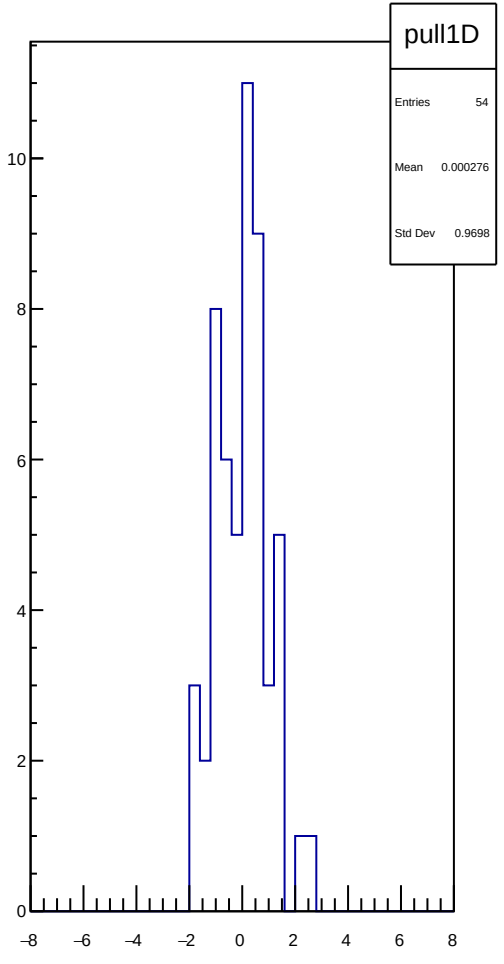

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 3581 / 53
p0 483.1 ± 0.4786
580
560
540
520
500
480
460
440
420
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

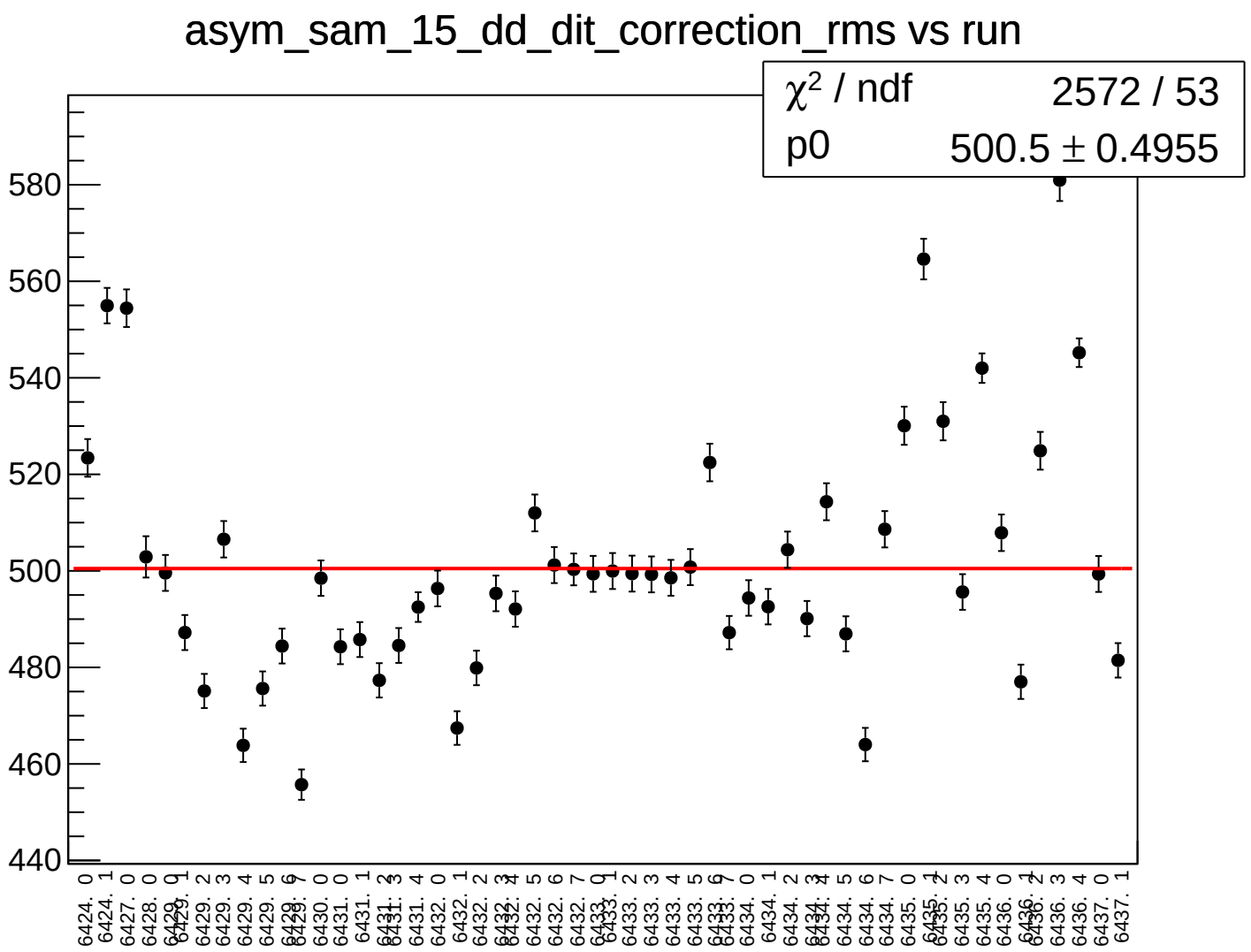

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 55.74 / 53
p0 17.26 ± 118.5
pull
Entries 54
Mean 590.4
Std Dev 0


pull1D
Entries 54
Mean 0.003582
Std Dev 1.016


dit_asym_sam_15_dd_rms vs run
χ² / ndf 4184 / 53
p0 84.52 ± 0.08376
120
115
110
105
100
95
90
85
80
75
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 50.79 / 53
p0 1040 ± 700.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −6002
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.000276
Std Dev 0.9698
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 2572 / 53
p0 500.5 ± 0.4955
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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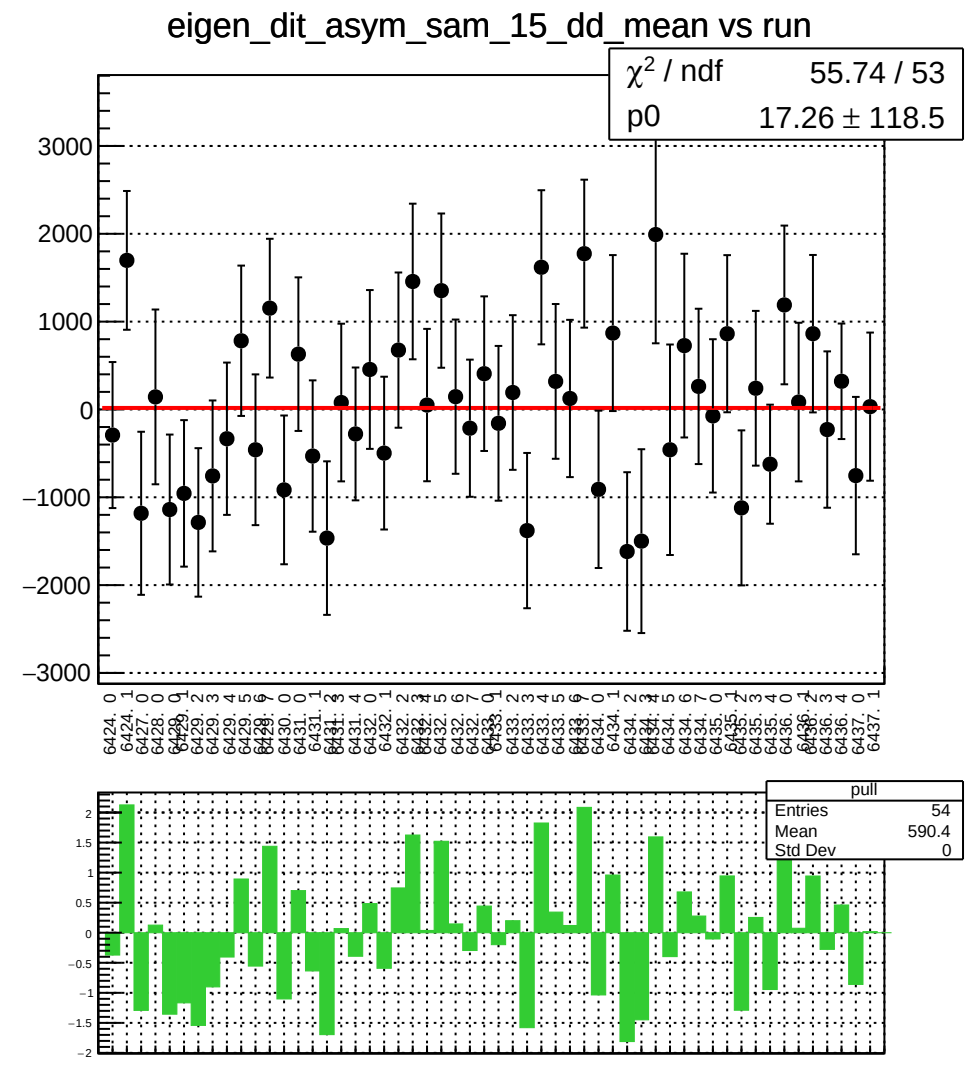
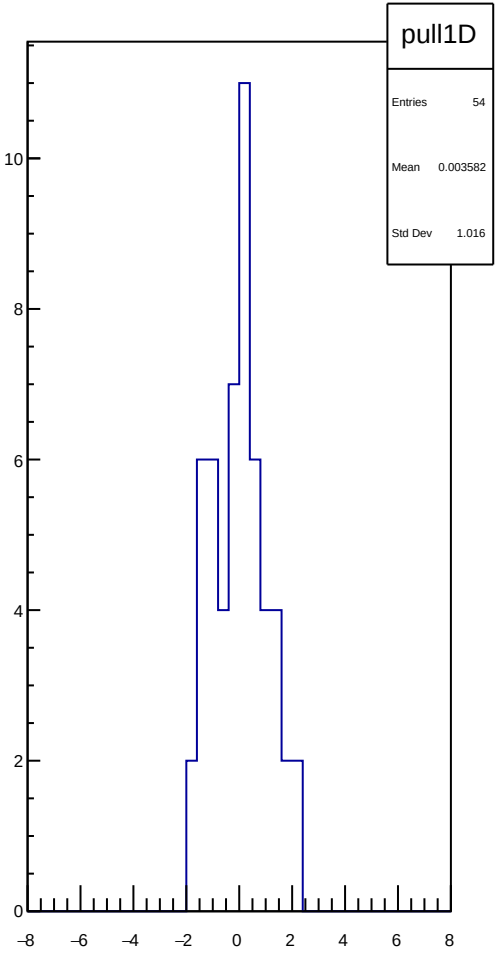
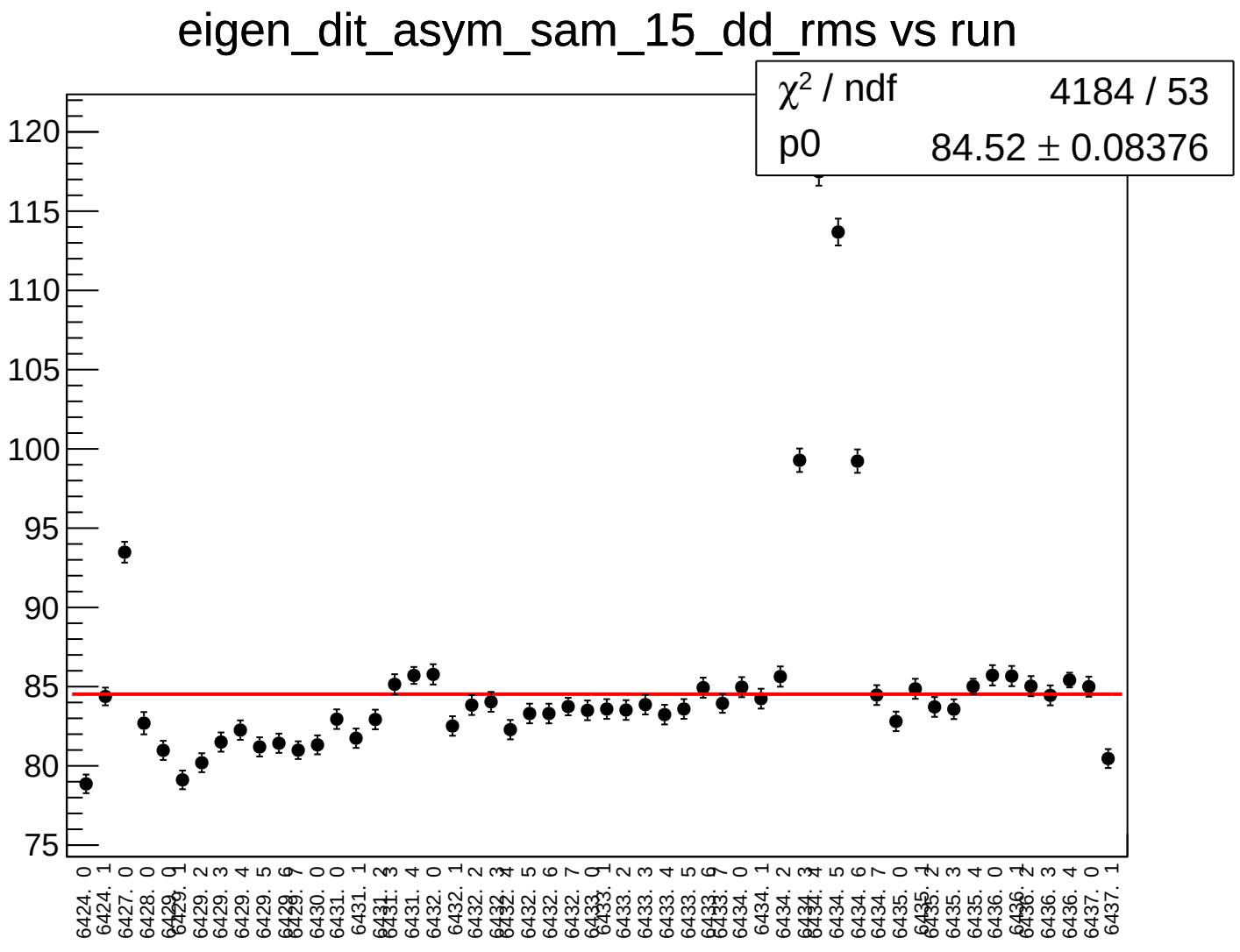
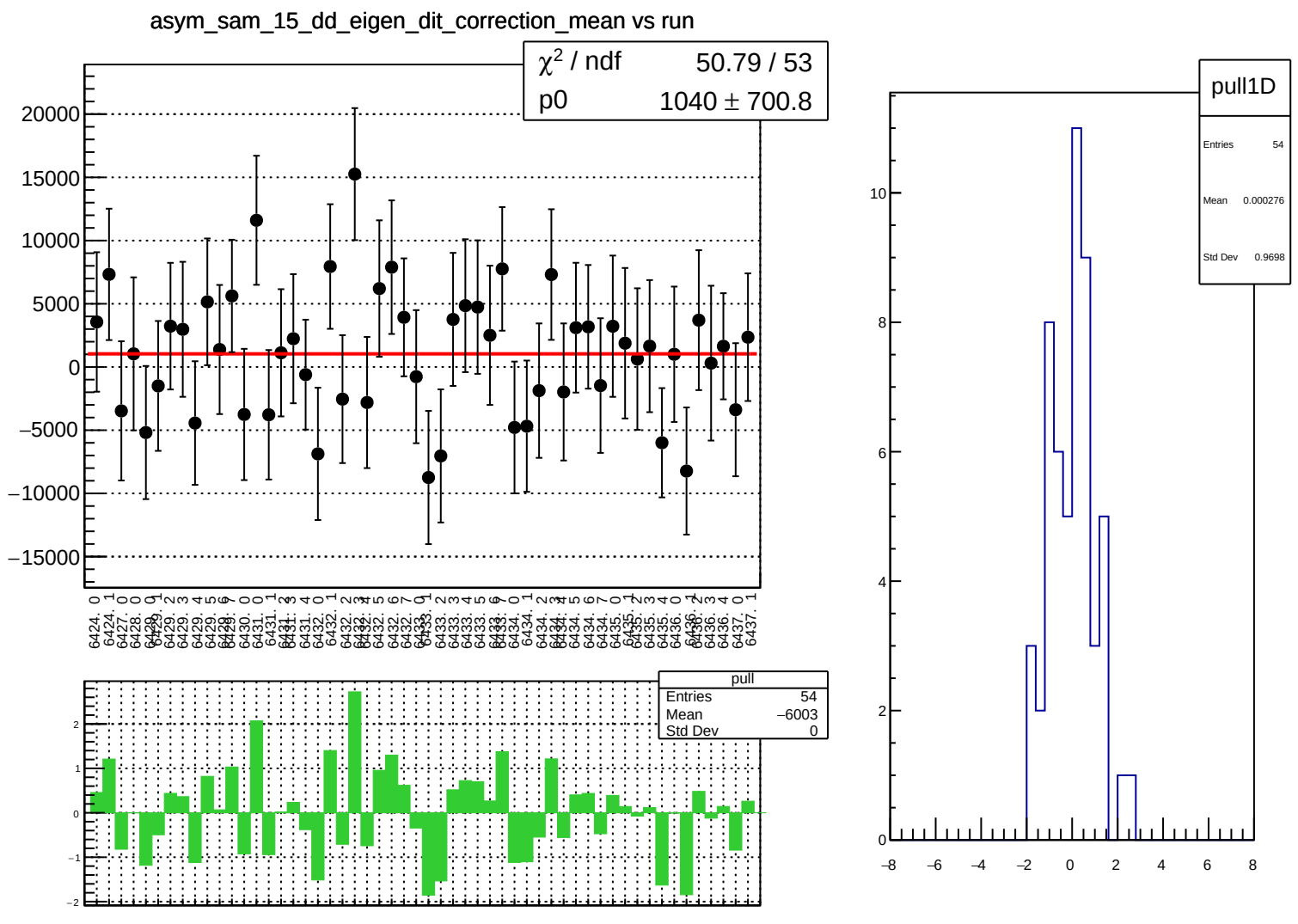
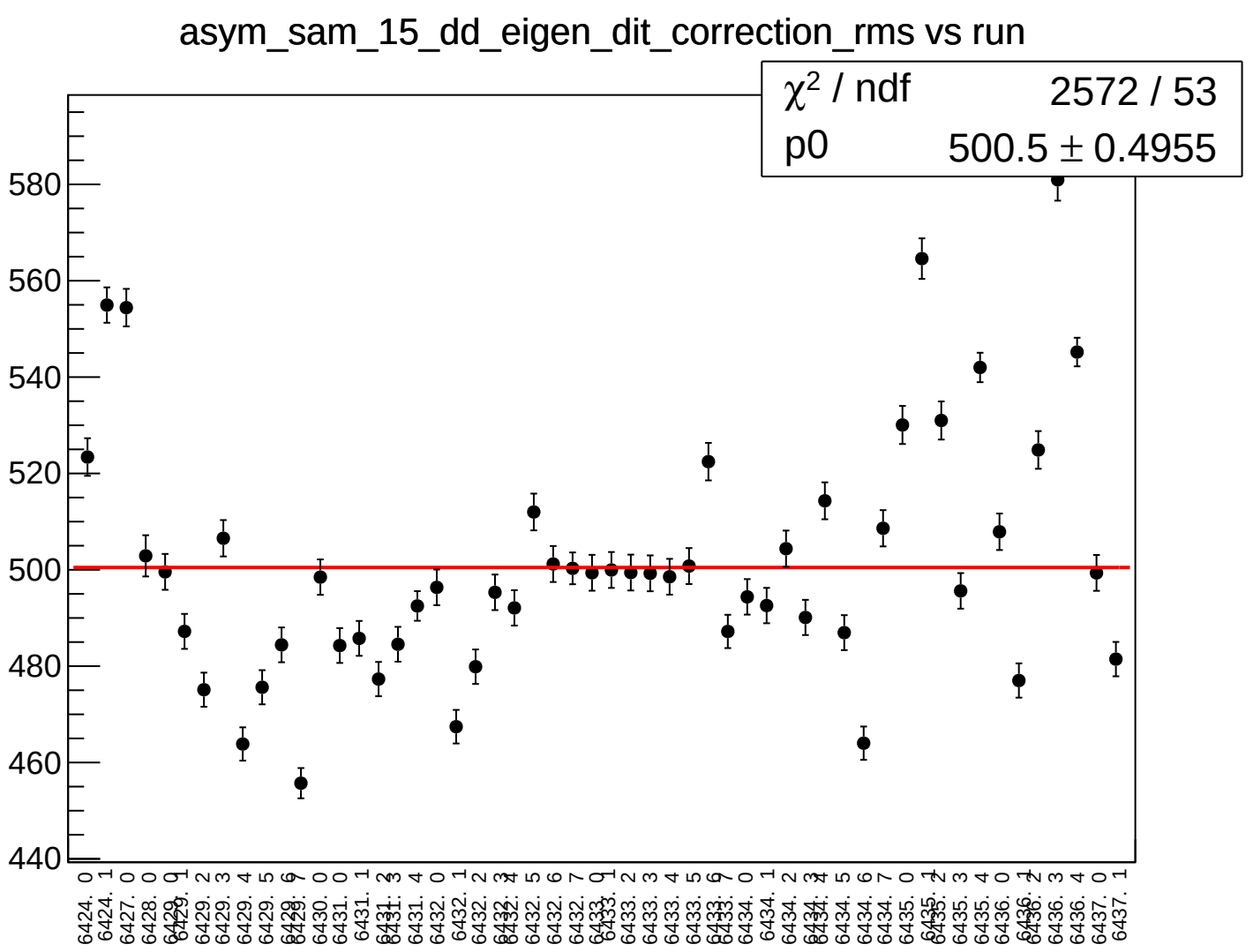
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

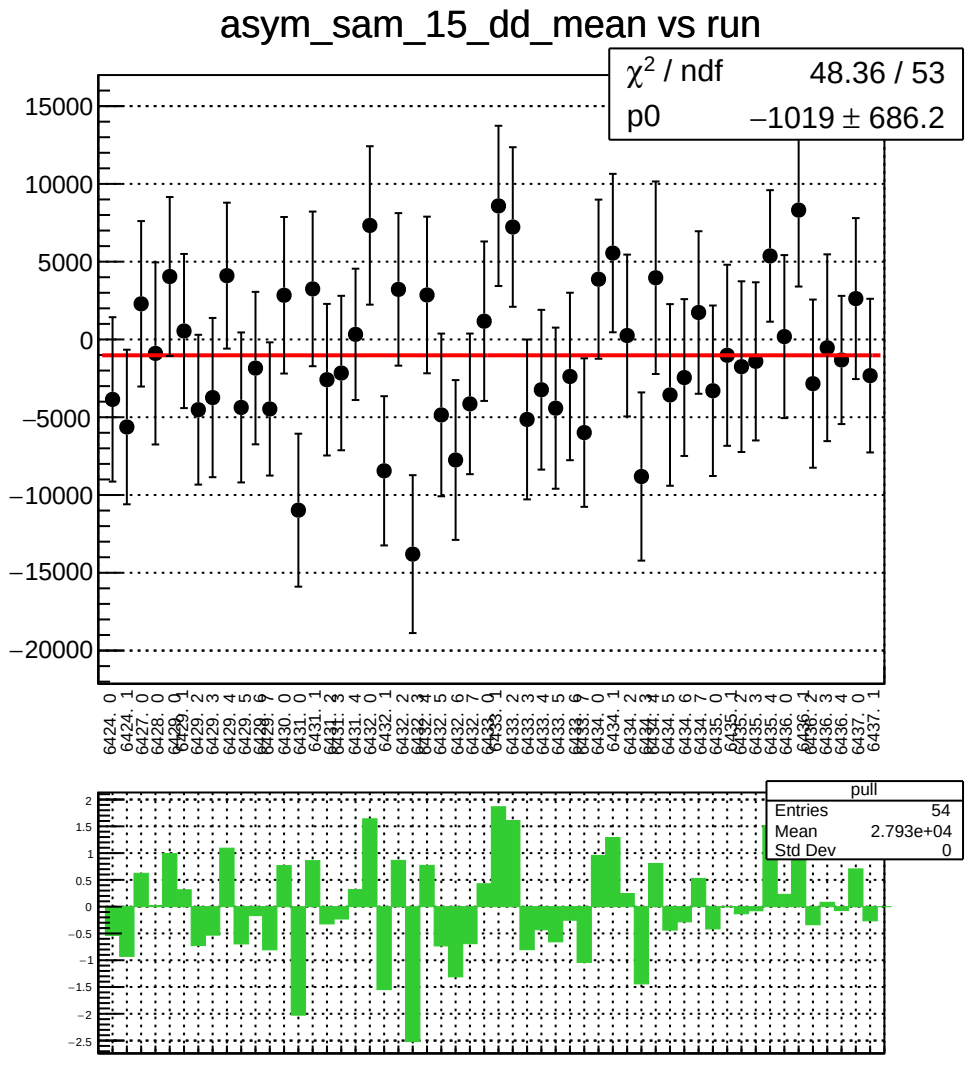

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 55.74 / 53
p0 17.26 ± 118.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 54
Mean 590.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

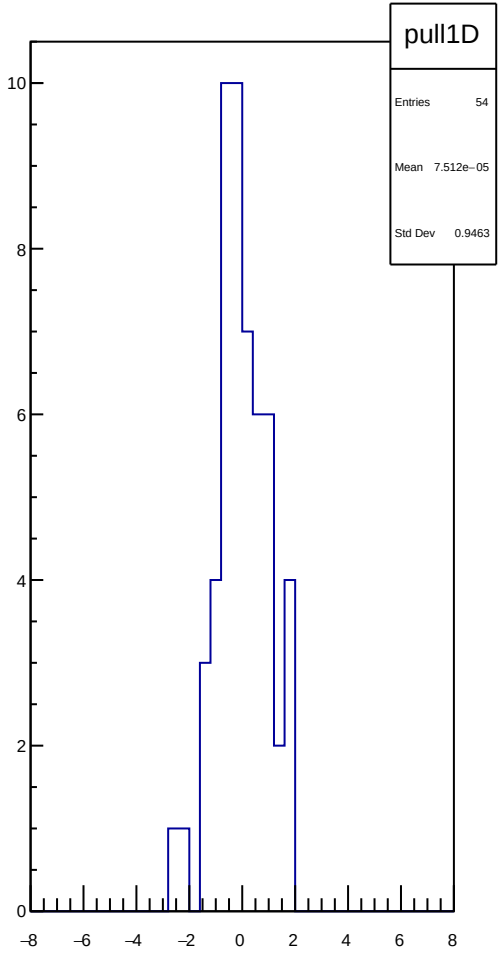

pull1D
Entries 54
Mean 0.003582
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

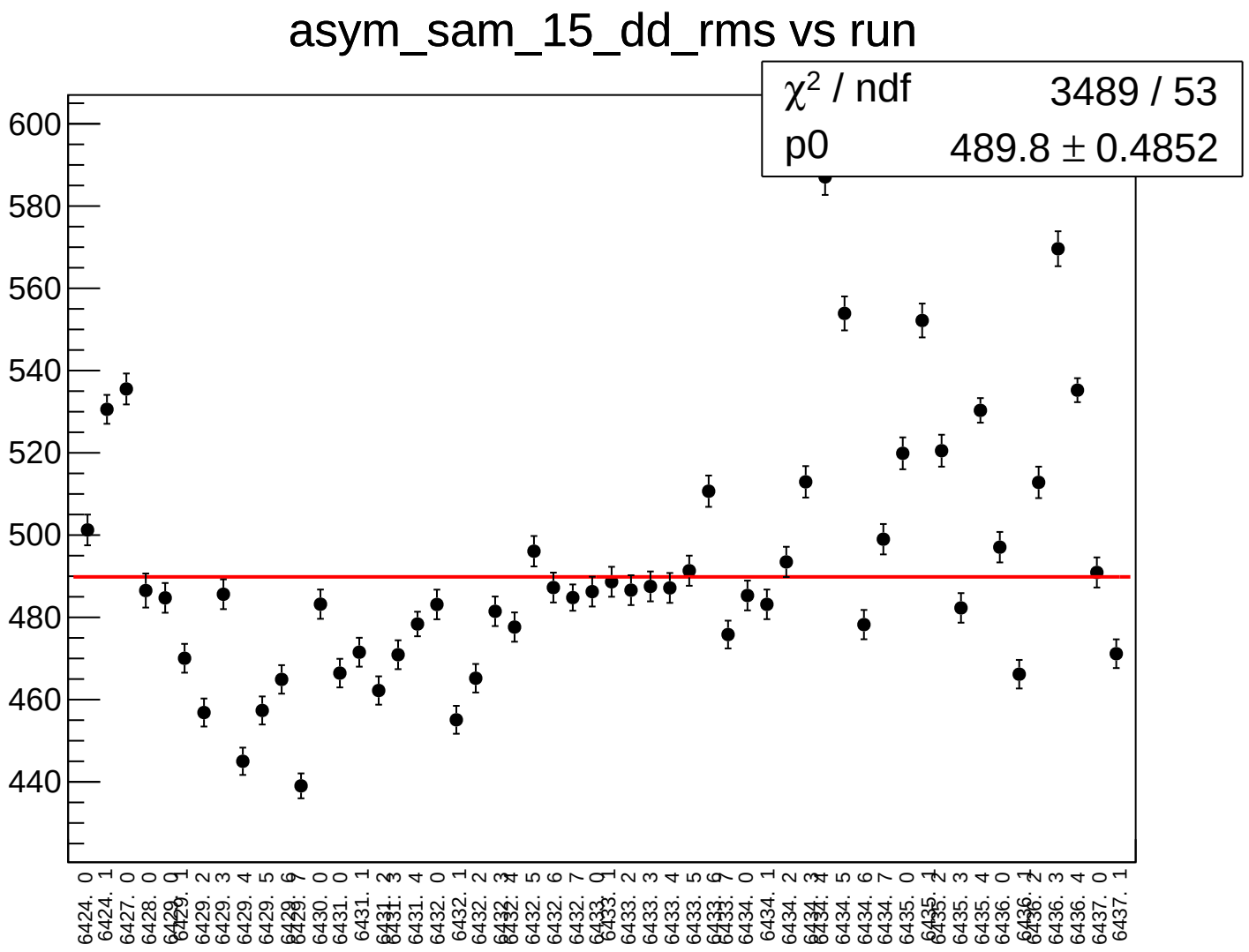

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 4184 / 53
p0 84.52 ± 0.08376
120
115
110
105
100
95
90
85
80
75
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

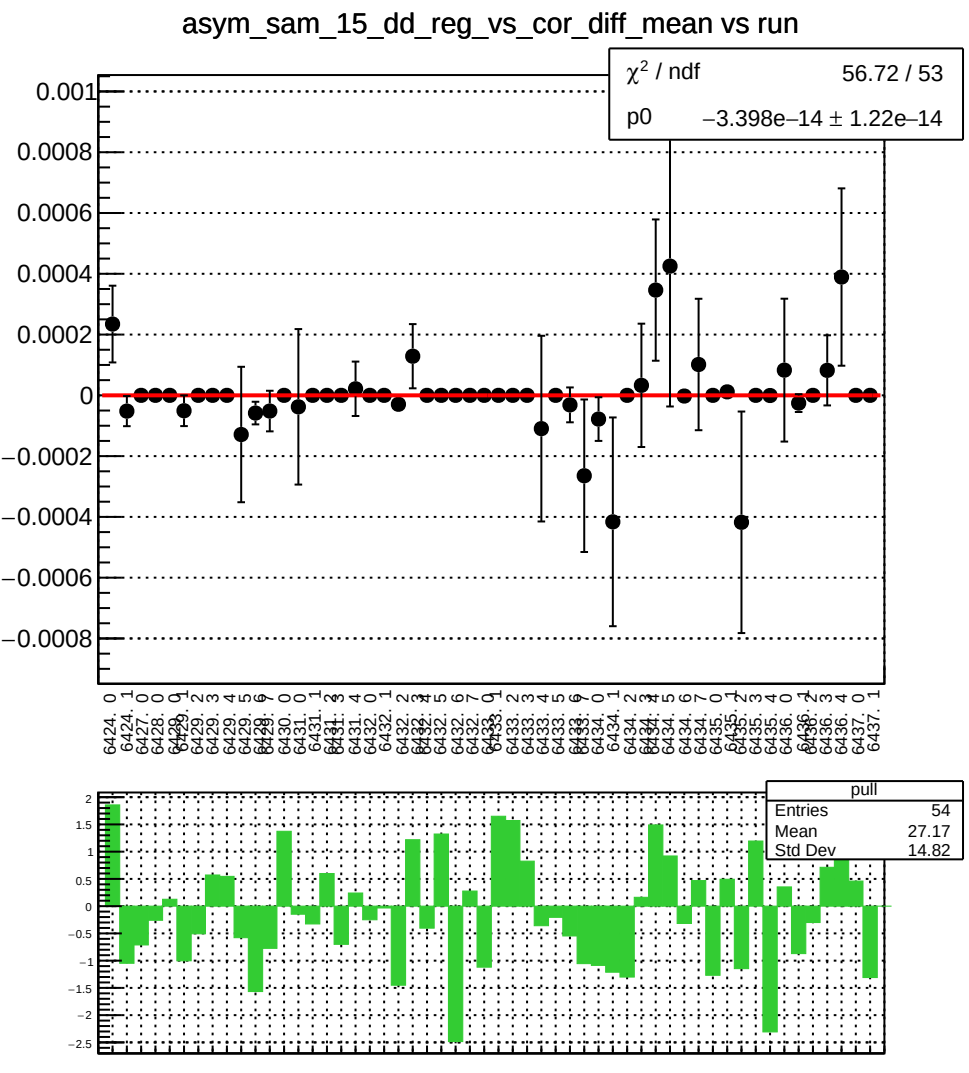

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.79 / 53
p0 1040 ± 700.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −6003
Std Dev 0
pull1D
Entries 54
Mean 0.000276
Std Dev 0.9698
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

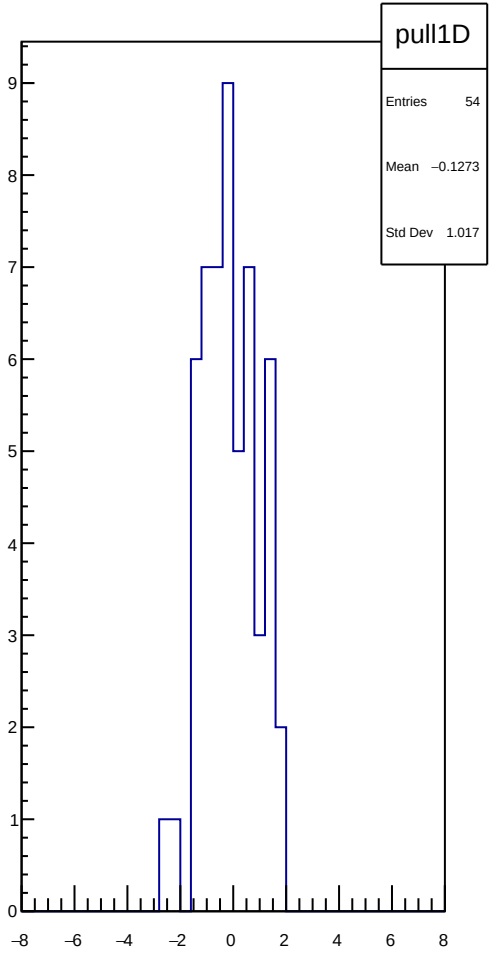

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 2572 / 53
p0 500.5 ± 0.4955
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

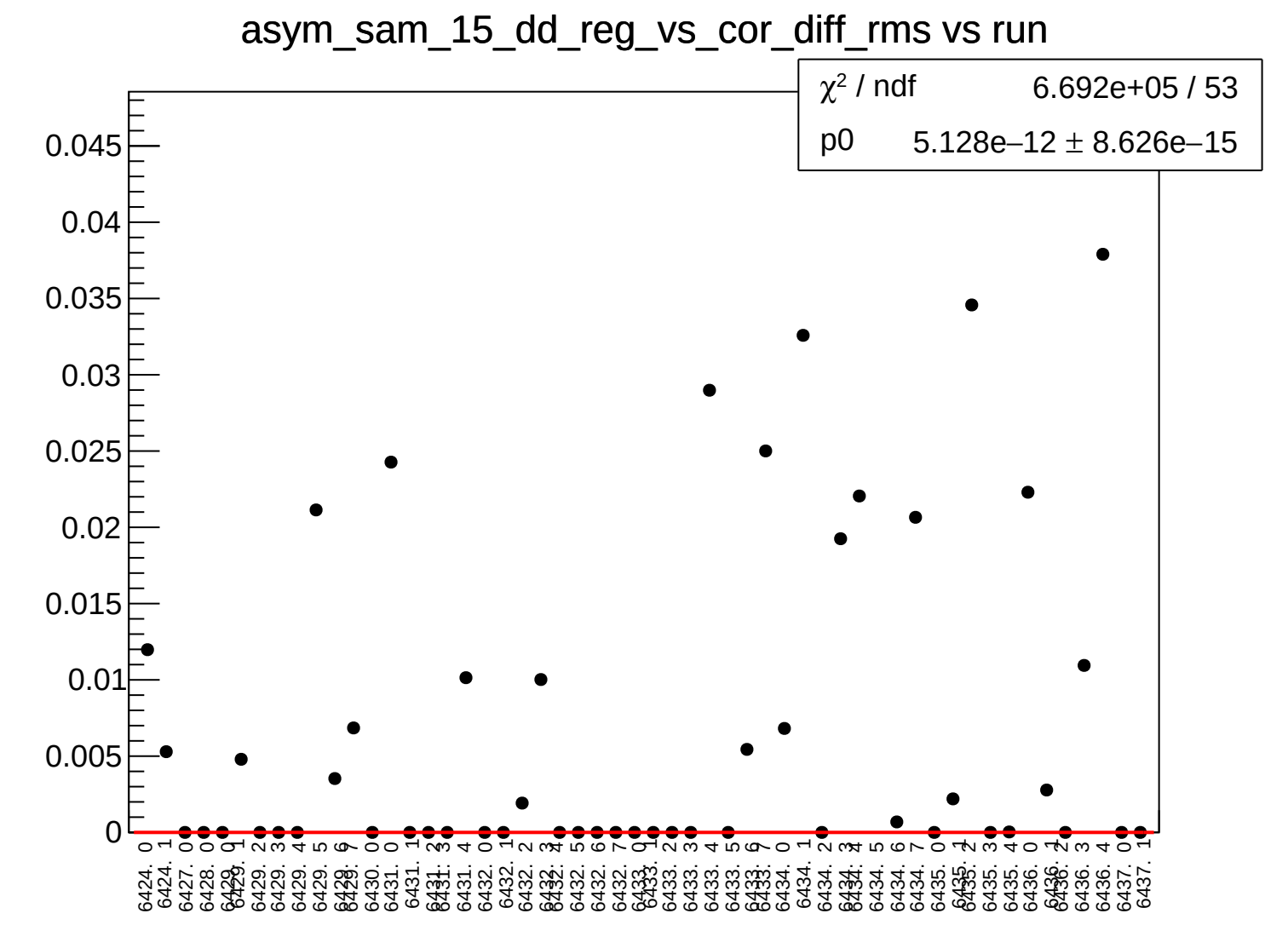

asym_sam_15_dd_mean vs run
χ² / ndf 48.36 / 53
p0 −1019 ± 686.2
pull
Entries 54
Mean 2.793e+04
Std Dev 0

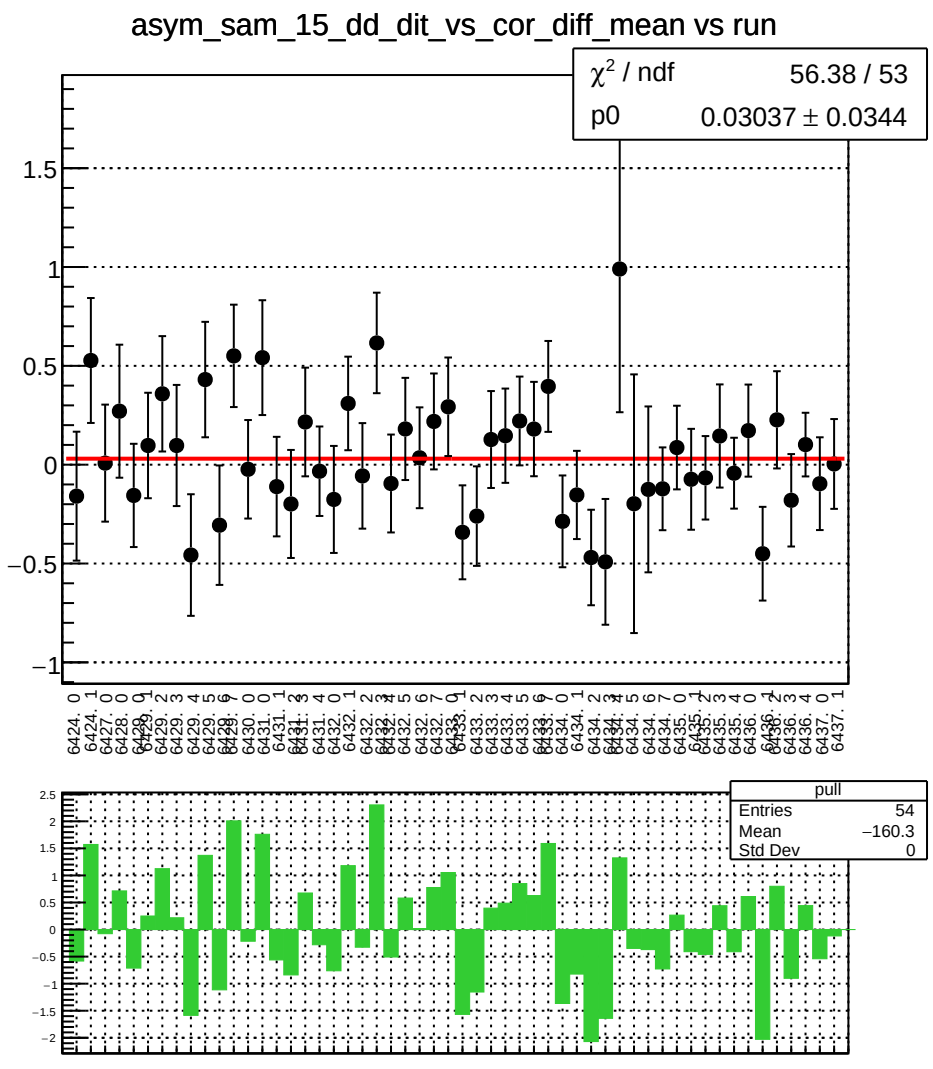

pull1D
Entries 54
Mean 7.512e−05
Std Dev 0.9463

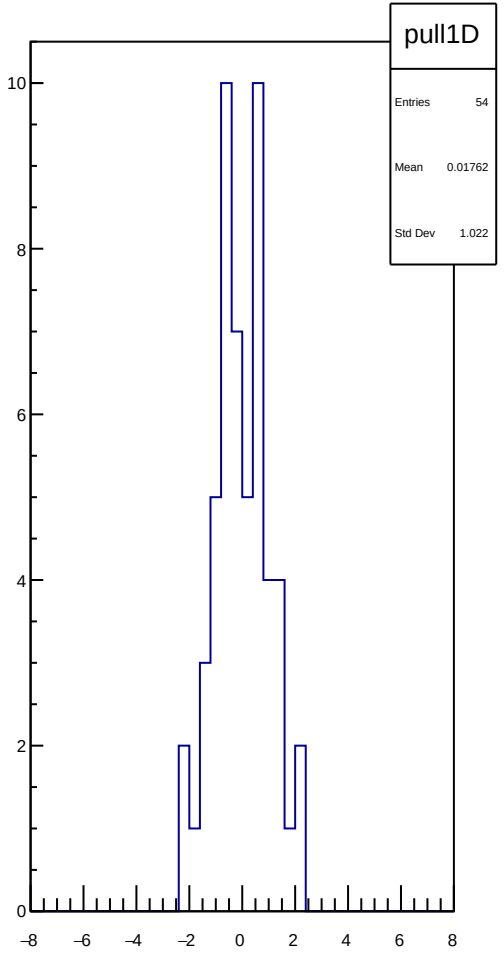

asym_sam_15_dd_rms vs run
χ^2 / ndf 3489 / 53
p0 489.8 ± 0.4852
600
580
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

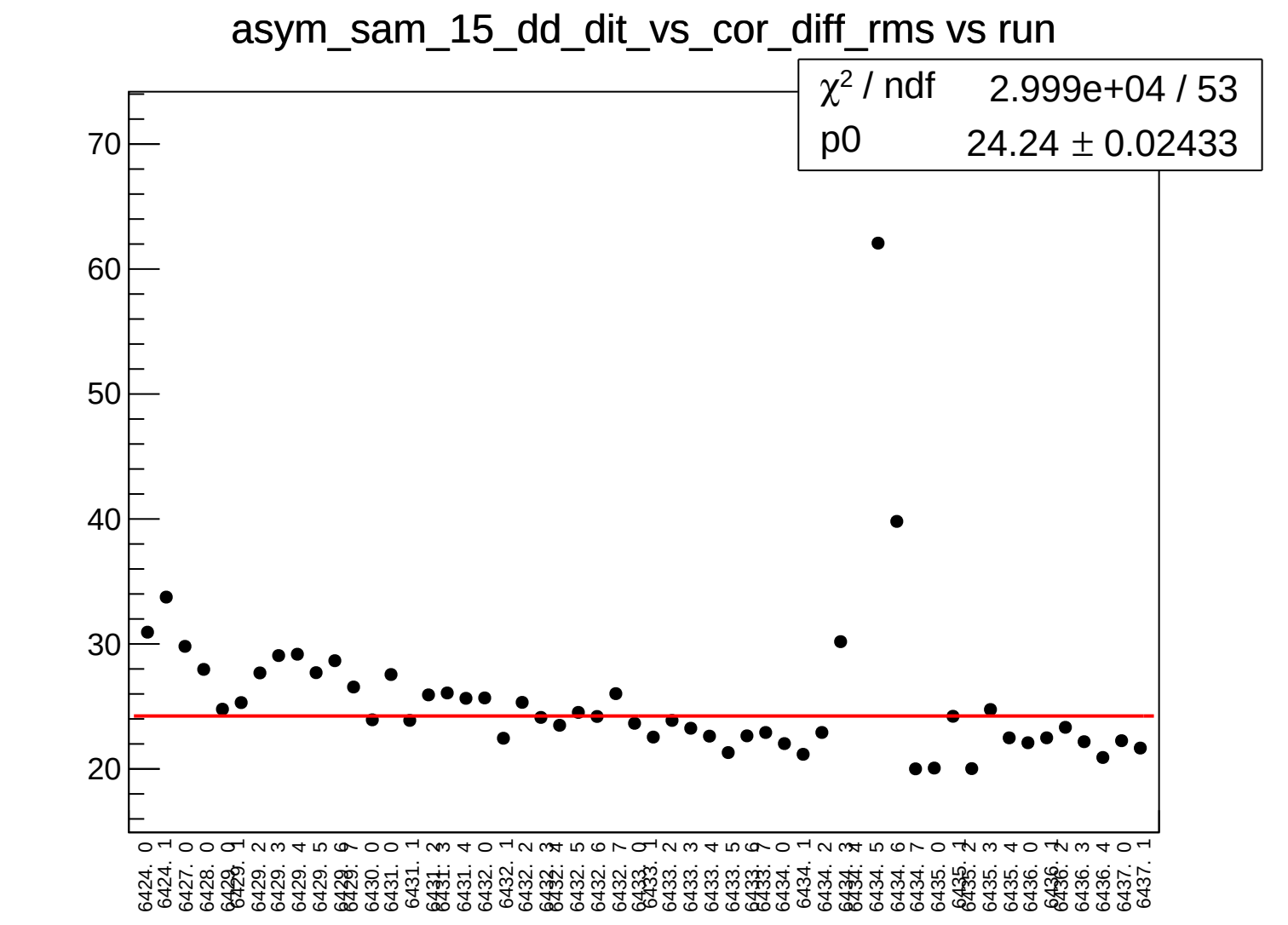

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.72 / 53
p0 −3.398e−14 ± 1.22e−14
pull
Entries 54
Mean 27.17
Std Dev 14.82

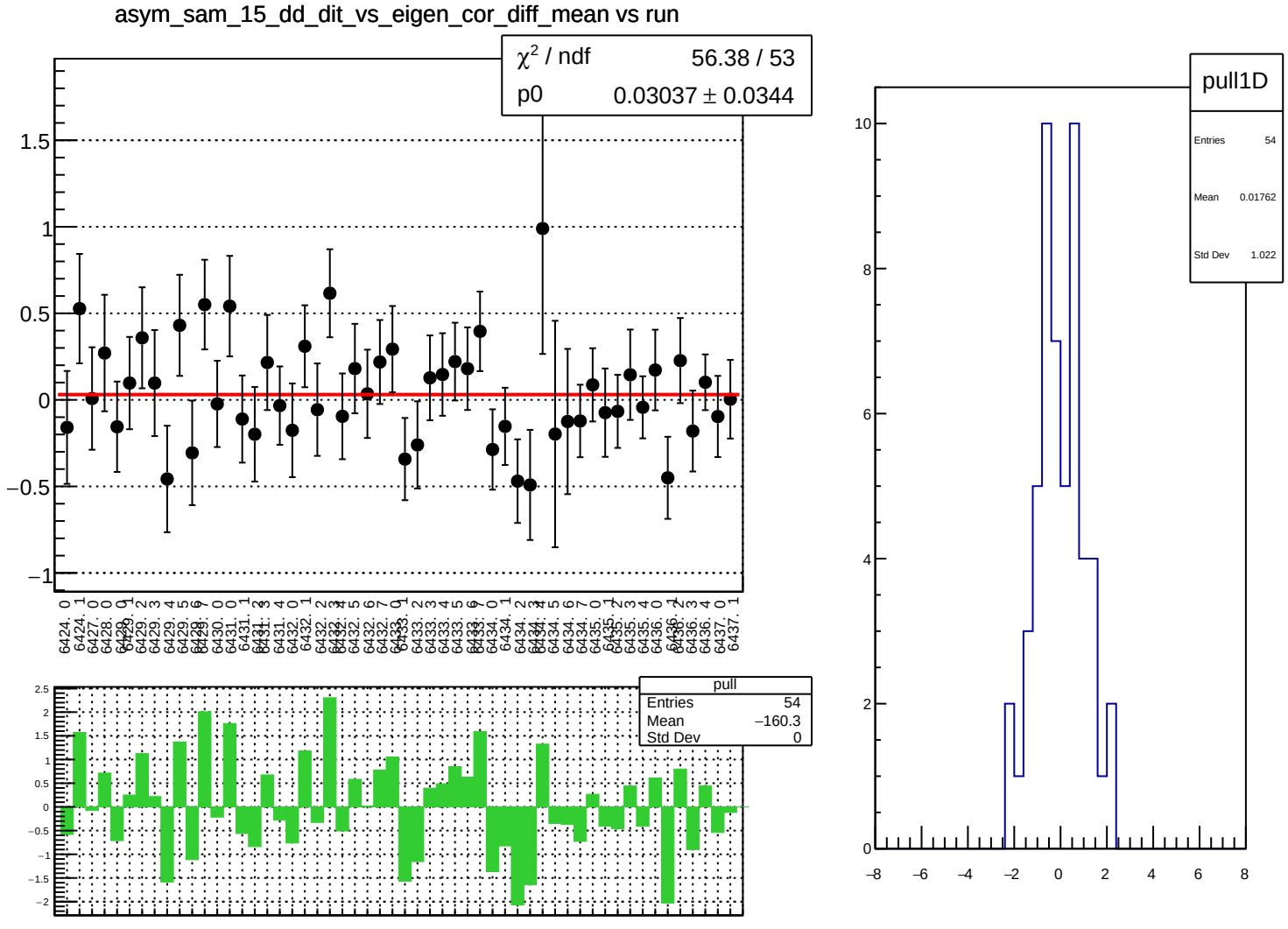

pull1D
Entries 54
Mean −0.1273
Std Dev 1.017

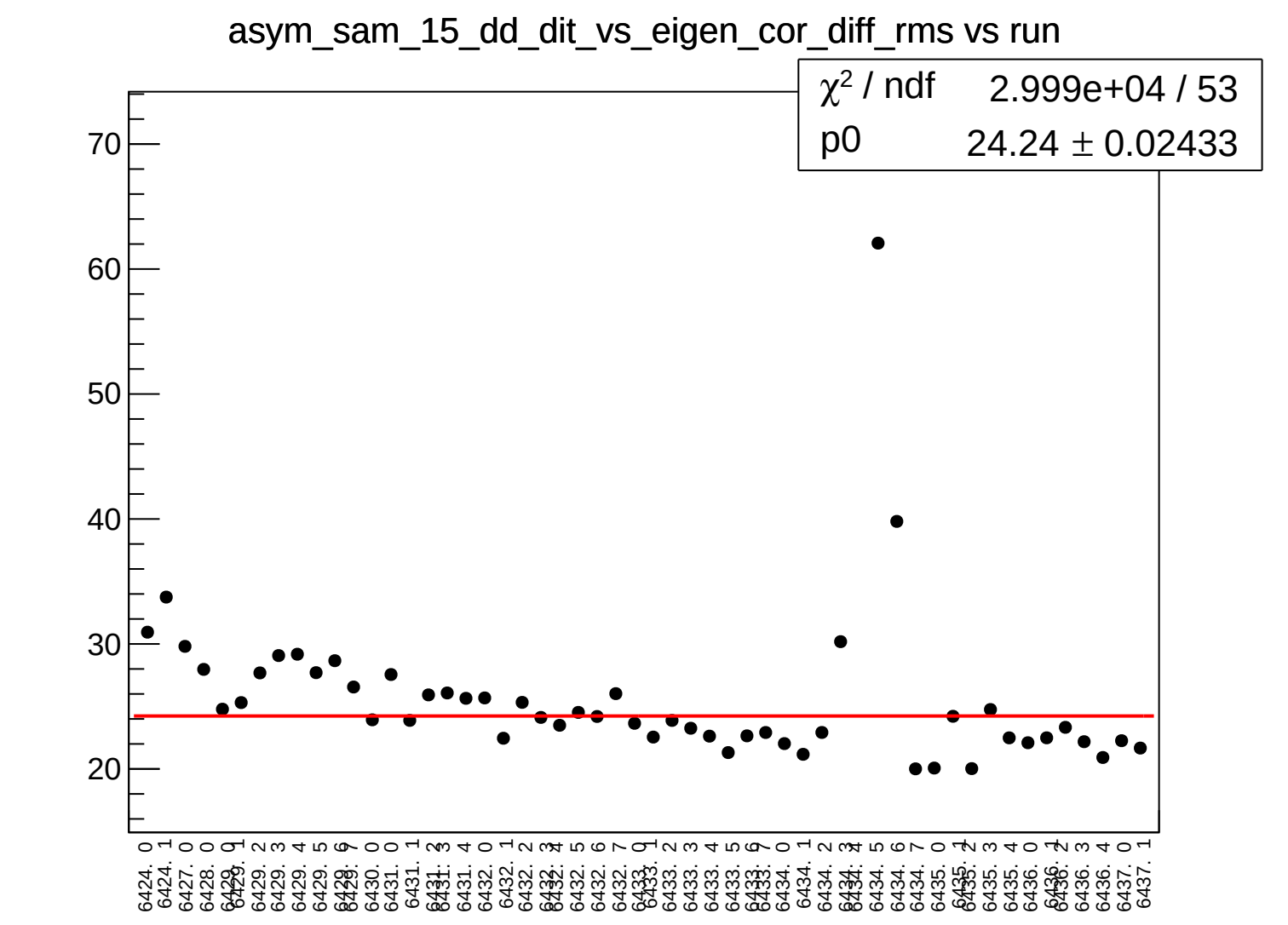

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.692e+05 / 53
p0 5.128e−12 ± 8.626e−15
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

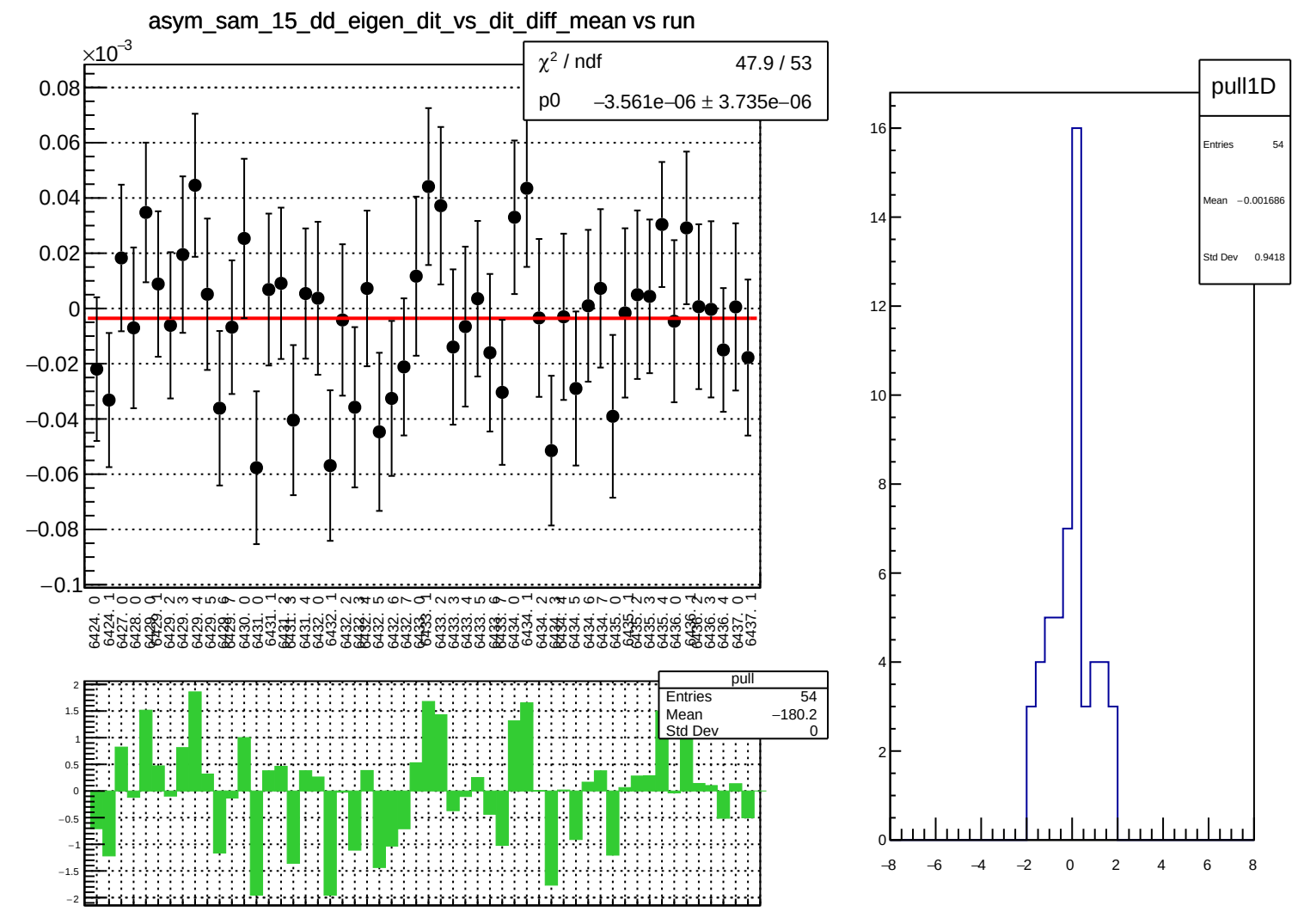

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.38 / 53
p0 0.03037 ± 0.0344
pull
Entries 54
Mean −160.3
Std Dev 0

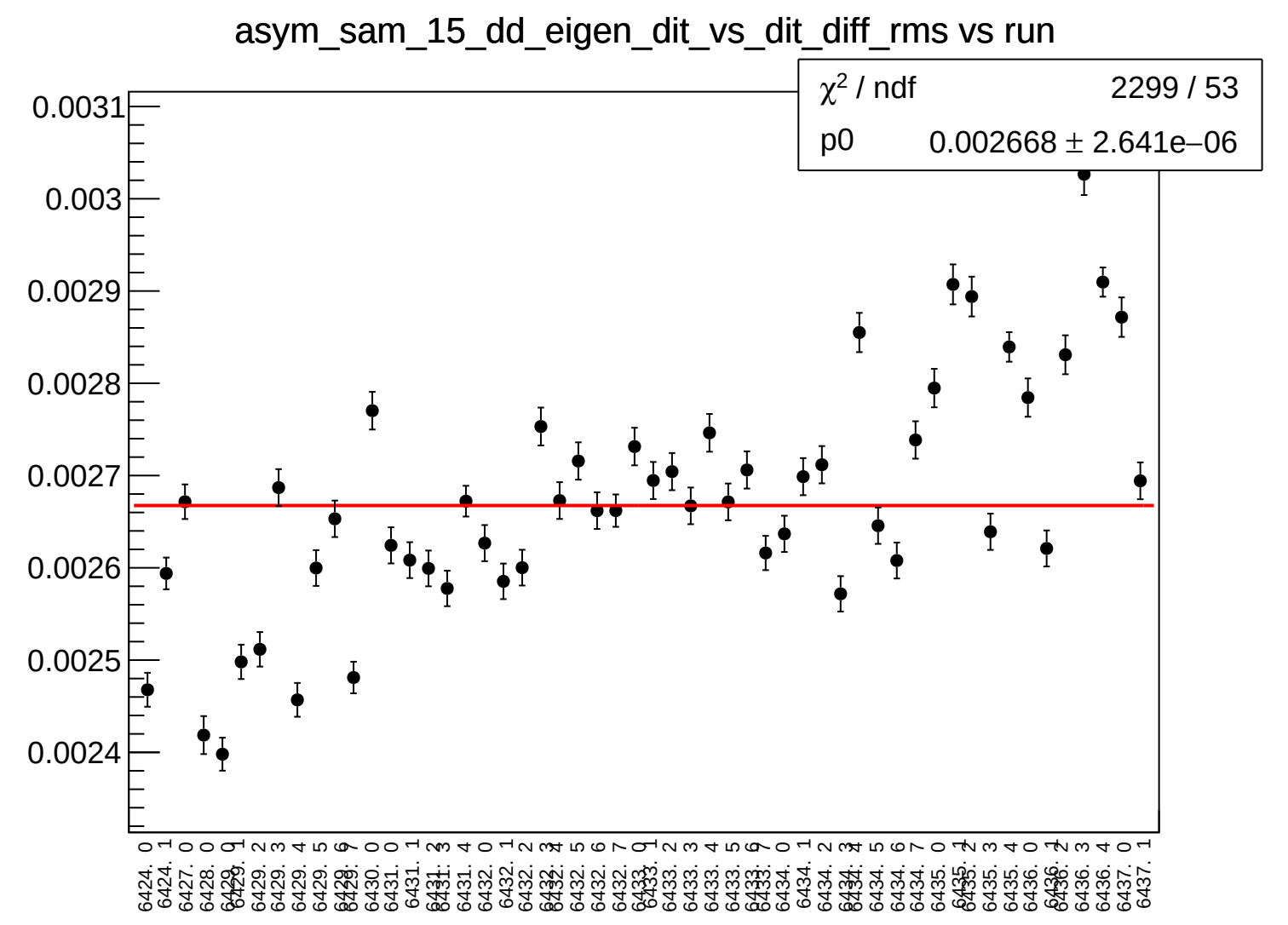

pull1D
Entries 54
Mean 0.01762
Std Dev 1.022

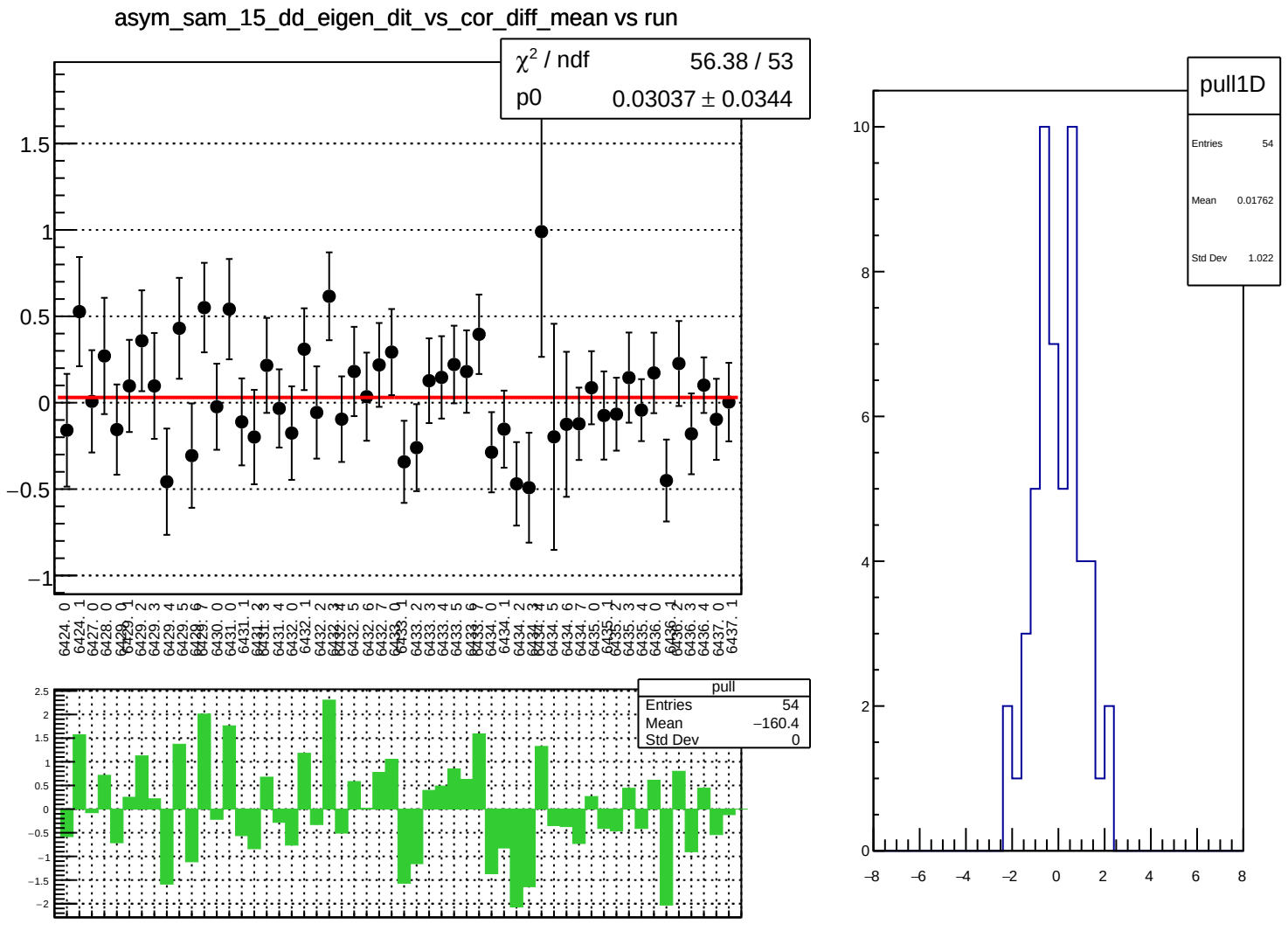

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.999e+04 / 53
p0 24.24 ± 0.02433
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

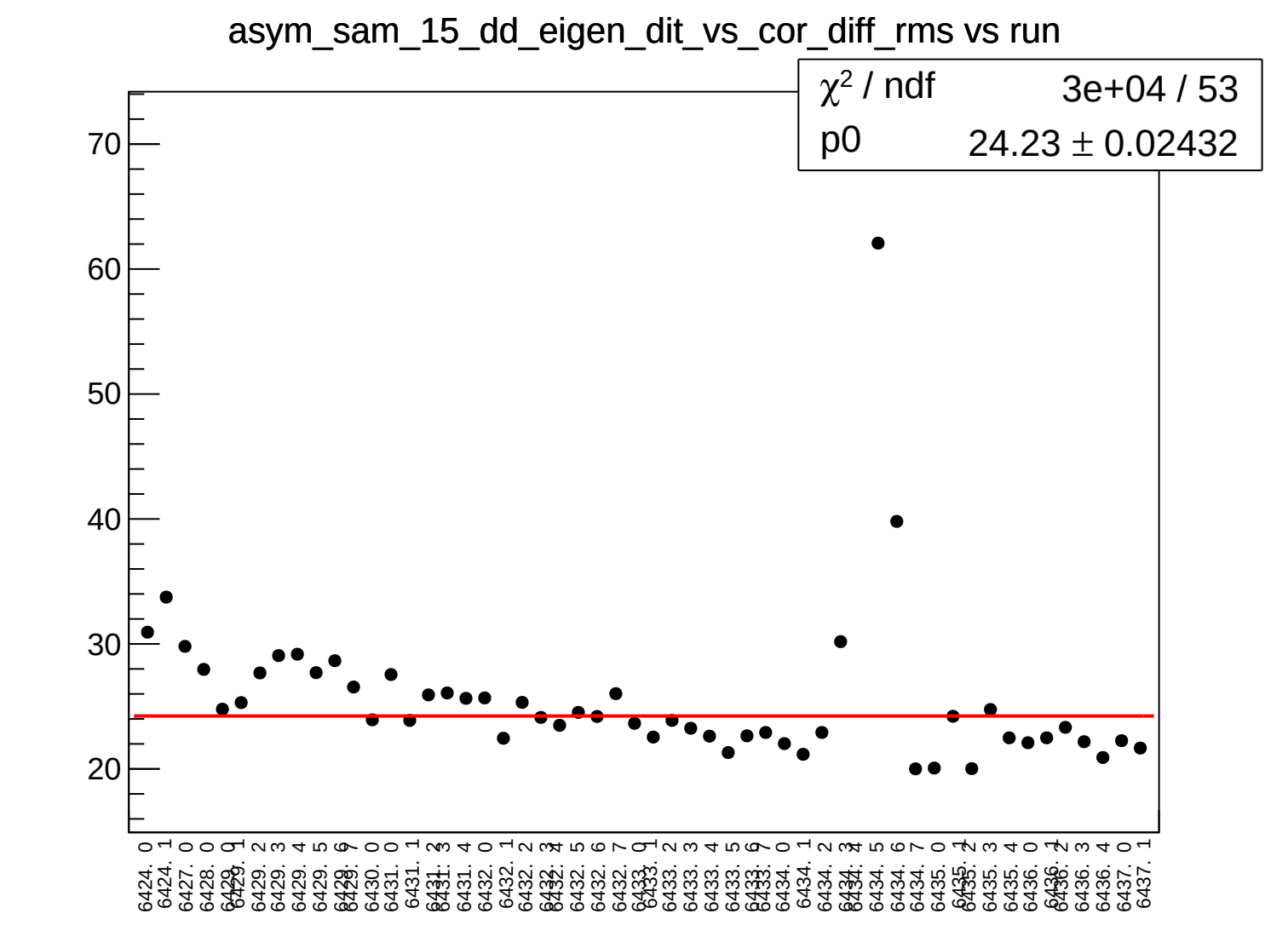

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.38 / 53
p0 0.03037 ± 0.0344
pull
Entries 54
Mean −160.3
Std Dev 0
pull1D
Entries 54
Mean 0.01762
Std Dev 1.022

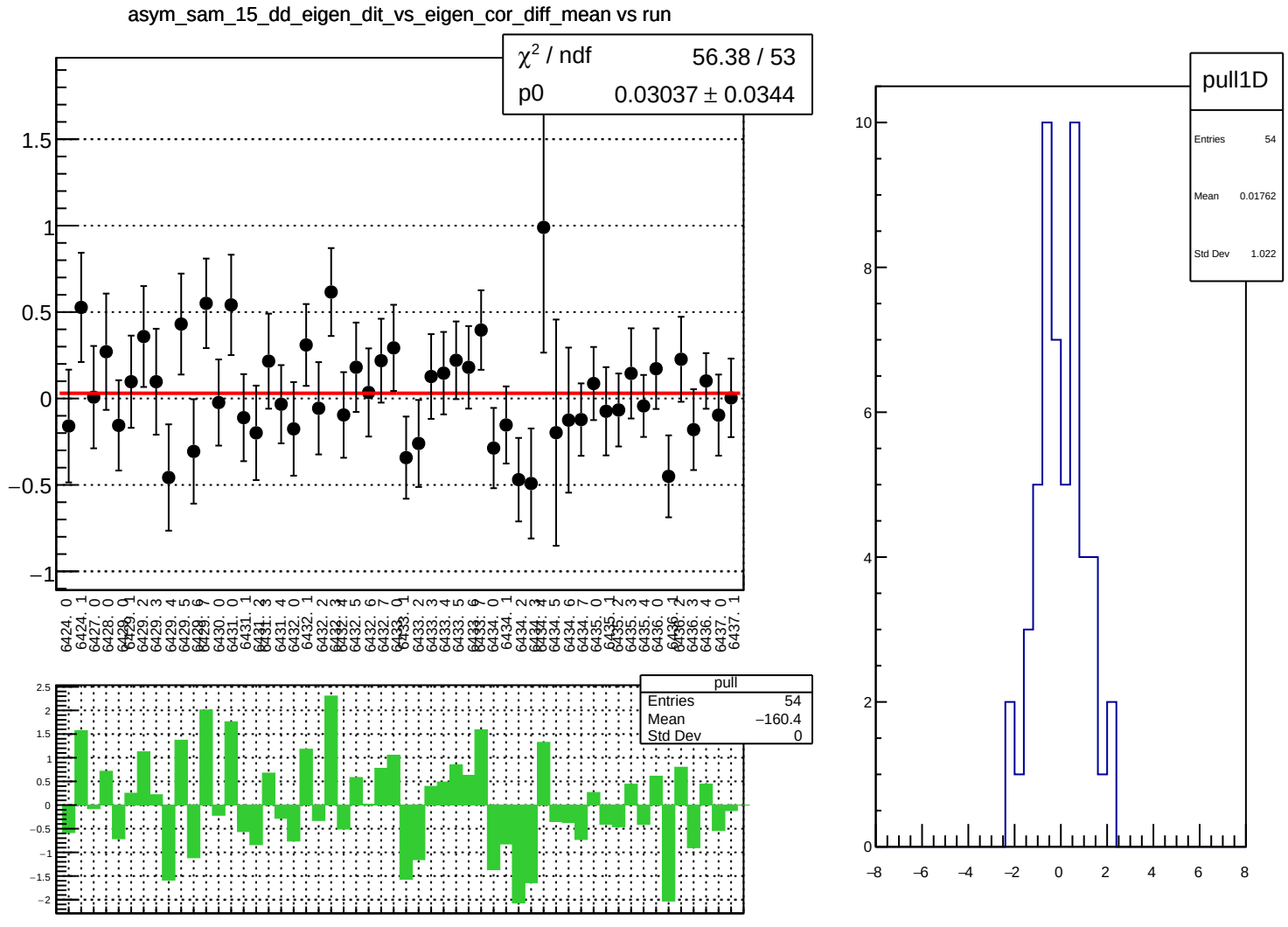

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.999e+04 / 53
p0 24.24 ± 0.02433
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

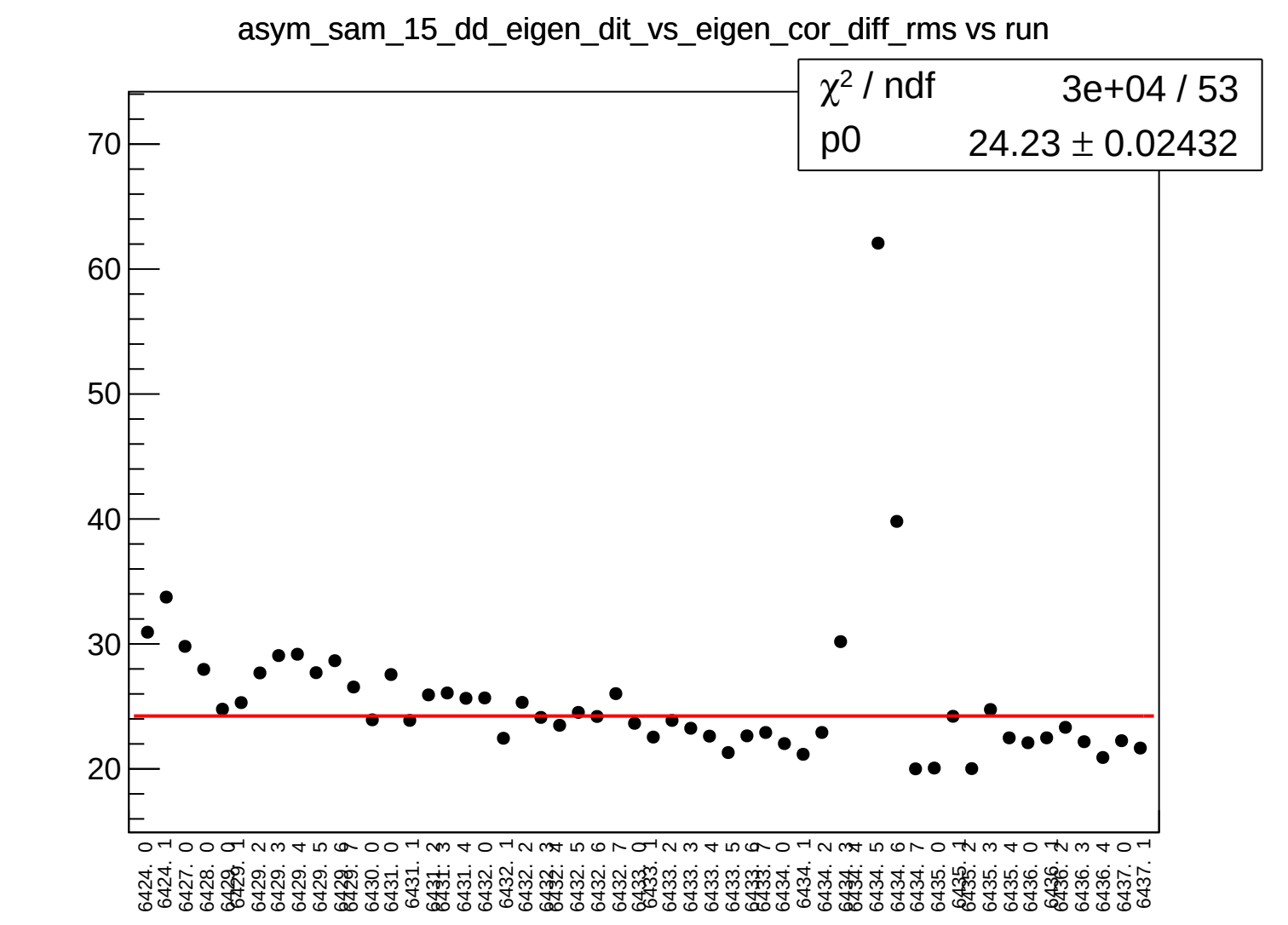

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 47.9 / 53
p0 −3.561e−06 ± 3.735e−06
pull
Entries 54
Mean −180.2
Std Dev 0
pull1D
Entries 54
Mean −0.001686
Std Dev 0.9418

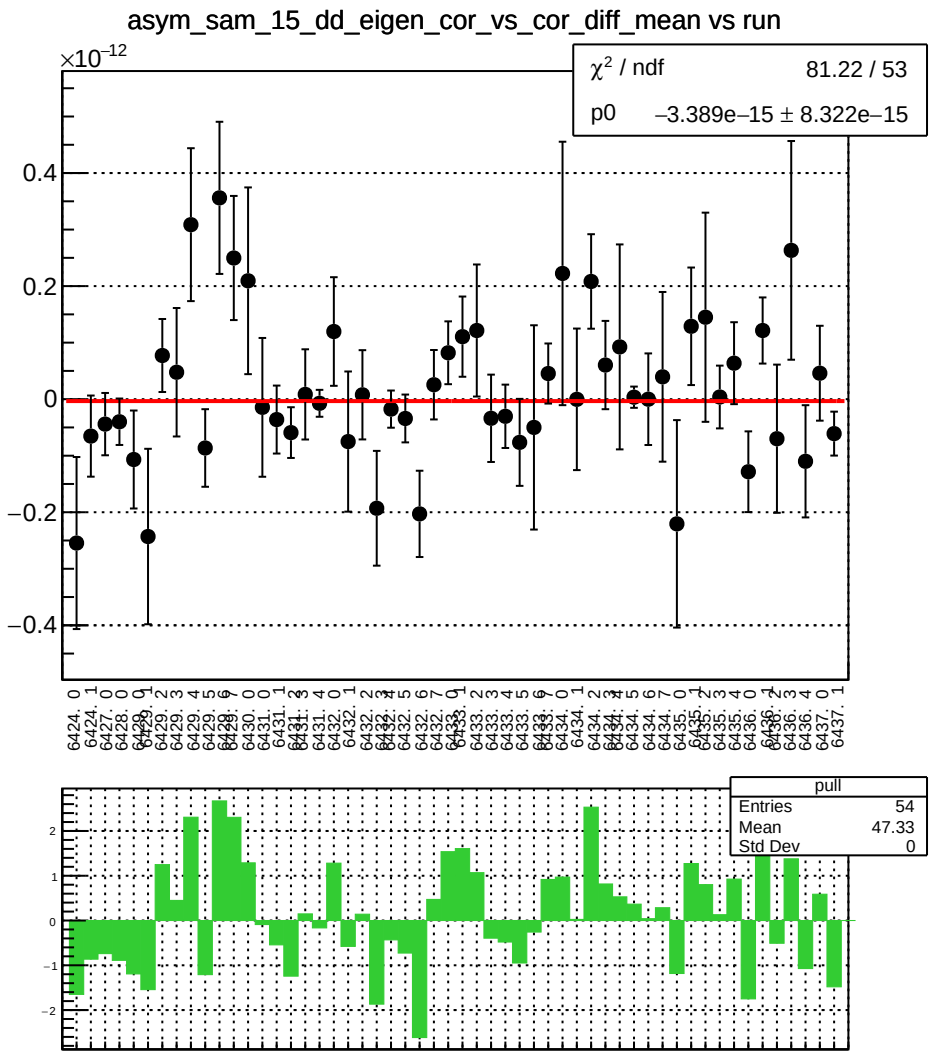

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2299 / 53
p0 0.002668 ± 2.641e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

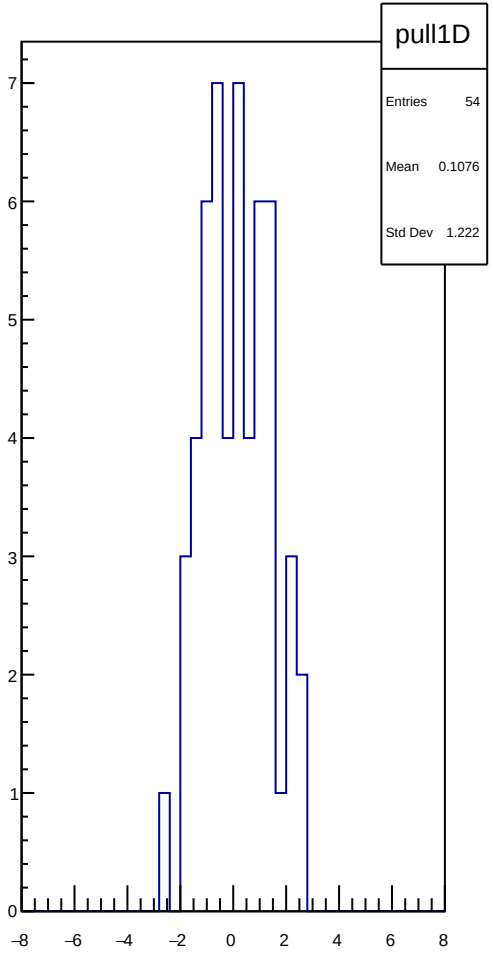

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.38 / 53
p0 0.03037 ± 0.0344
pull
Entries 54
Mean −160.4
Std Dev 0
pull1D
Entries 54
Mean 0.01762
Std Dev 1.022

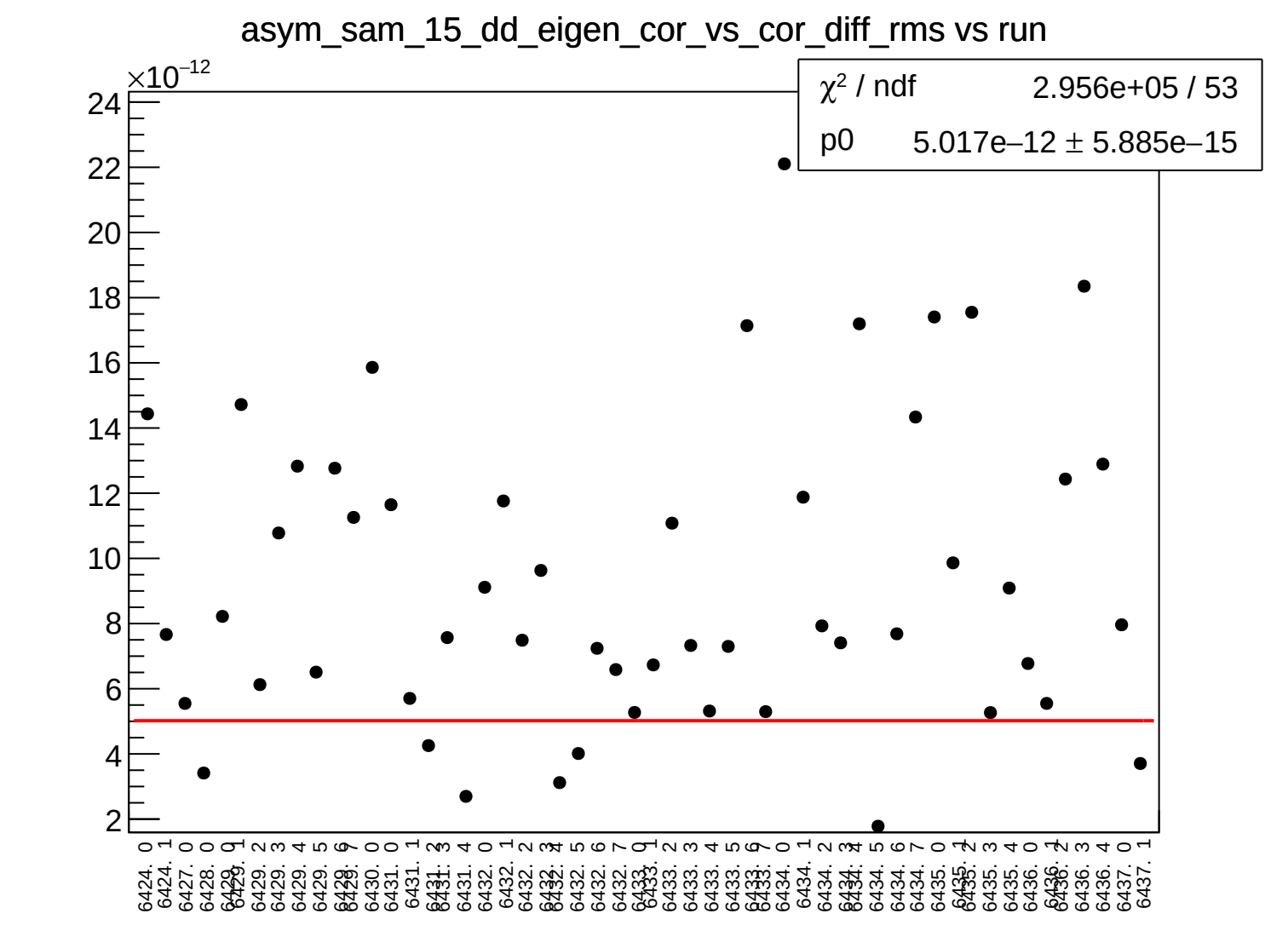

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3e+04 / 53
p0 24.23 ± 0.02432
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

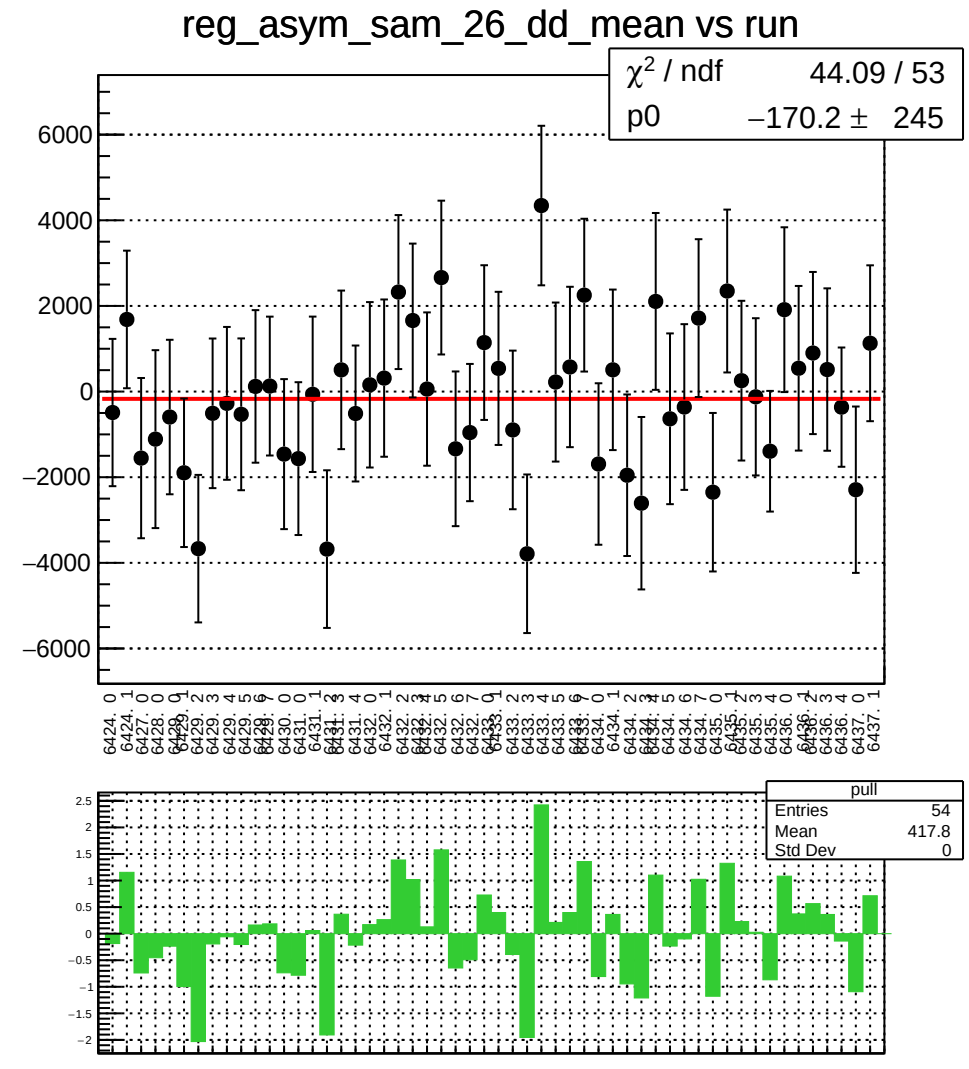

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.38 / 53
p0 0.03037 ± 0.0344
pull
Entries 54
Mean −160.4
Std Dev 0
pull1D
Entries 54
Mean 0.01762
Std Dev 1.022

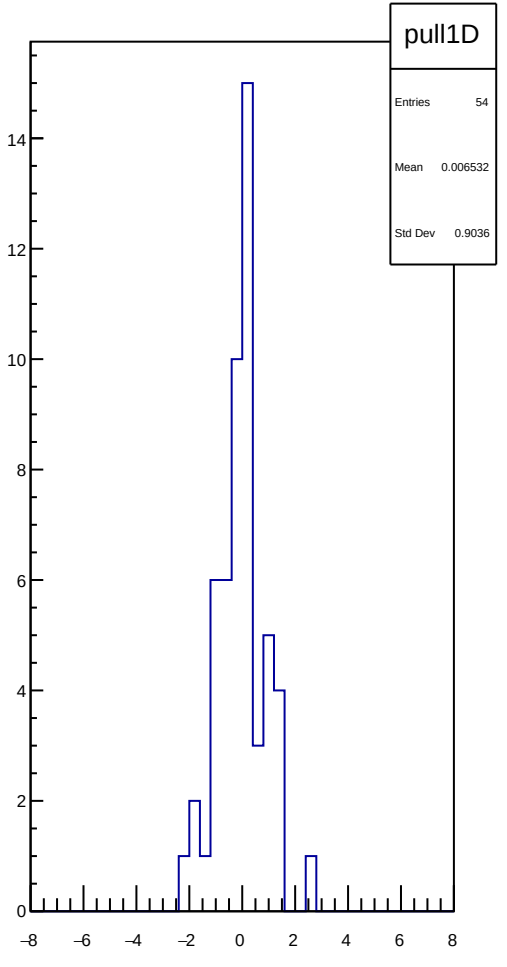

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3e+04 / 53
p0 24.23 ± 0.02432
70
60
50
40
30
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

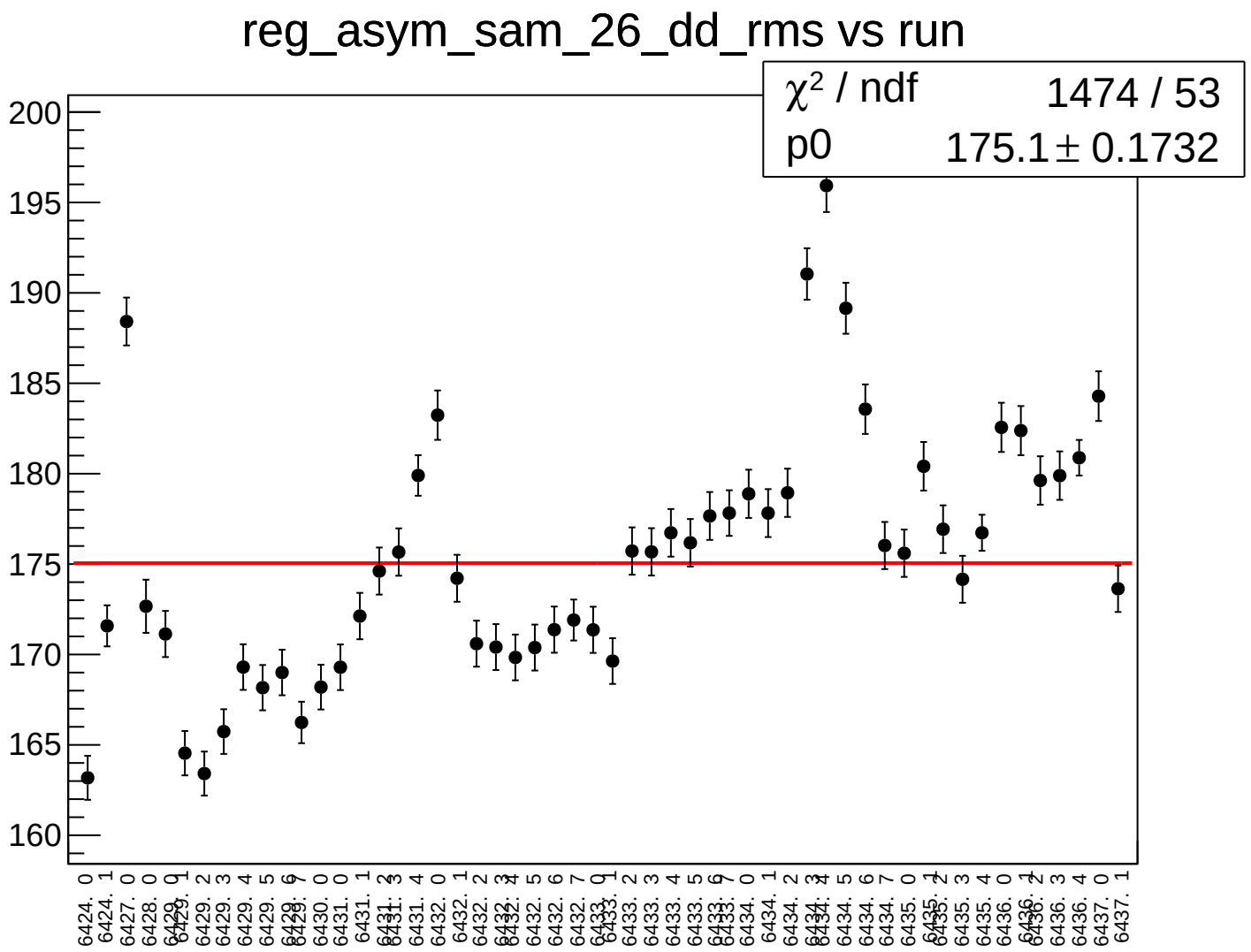

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.22 / 53
p0 −3.389e−15 ± 8.322e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 47.33
Std Dev 0
2
1
0
−1
−2

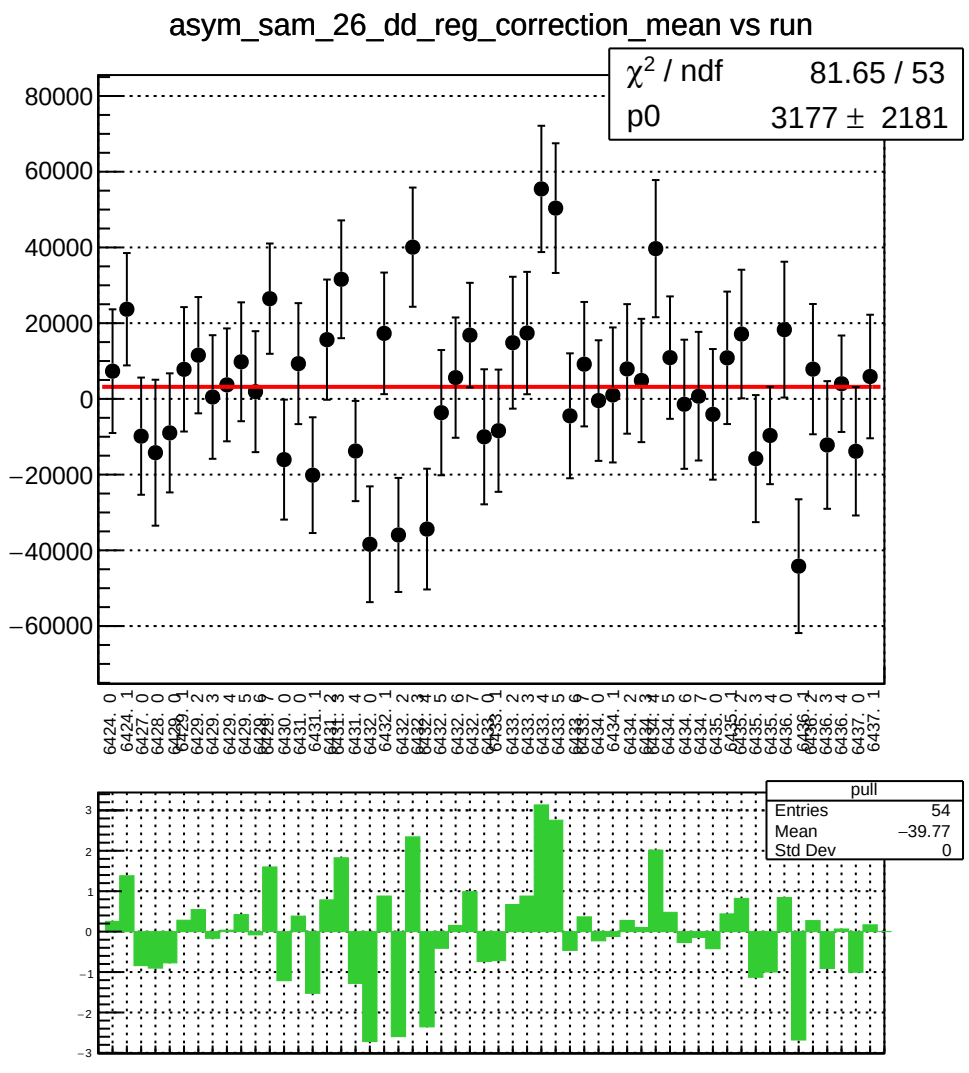

pull1D
Entries 54
Mean 0.1076
Std Dev 1.222
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

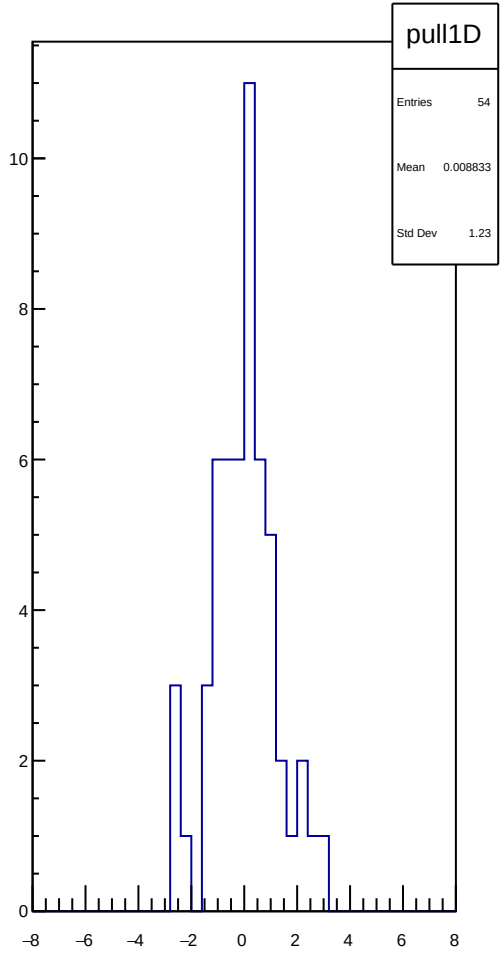

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.956e+05 / 53
p0 5.017e−12 ± 5.885e−15
24
22
20
18
16
14
12
10
8
6
4
2
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

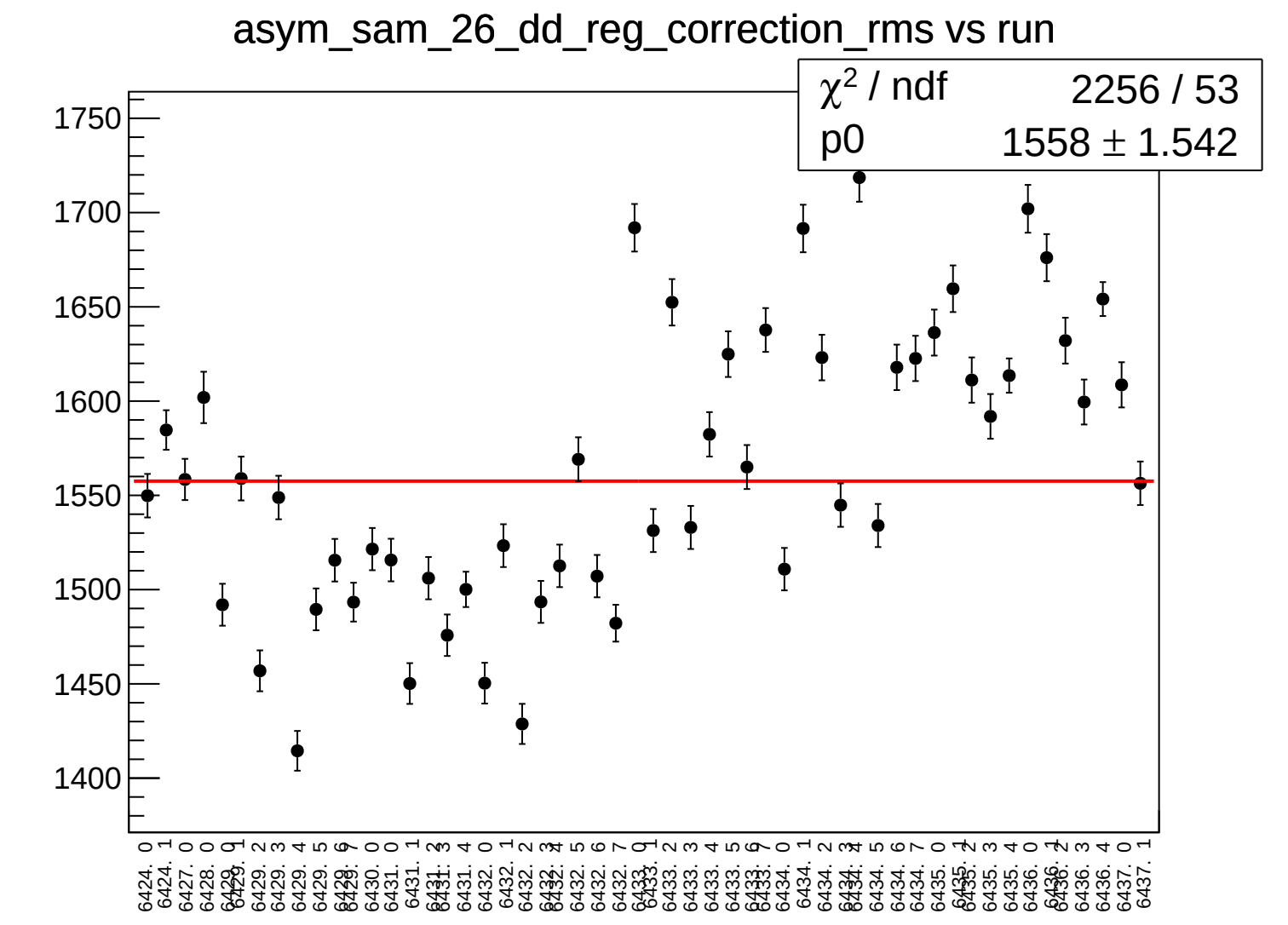

reg_asym_sam_26_dd_mean vs run
χ² / ndf 44.09 / 53
p0 −170.2 ± 245
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 417.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

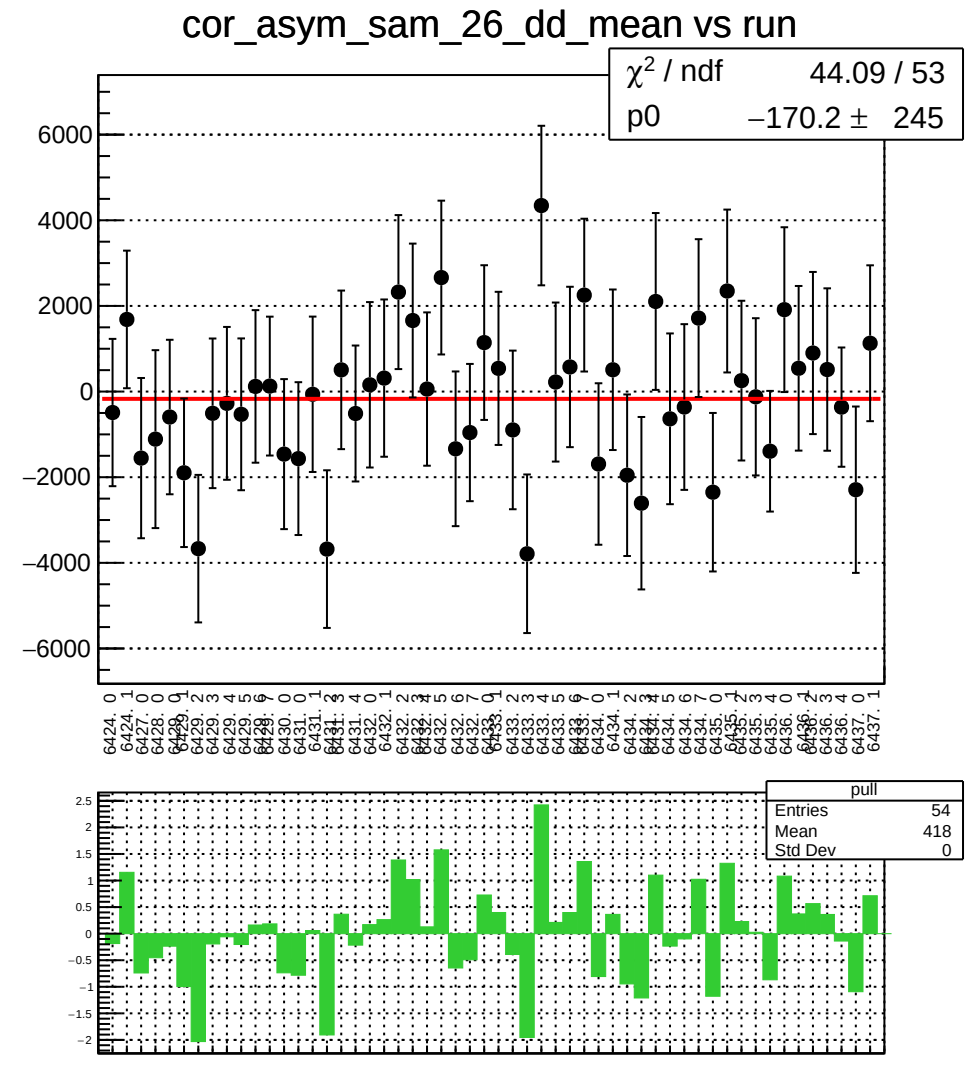

pull1D
Entries 54
Mean 0.006532
Std Dev 0.9036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

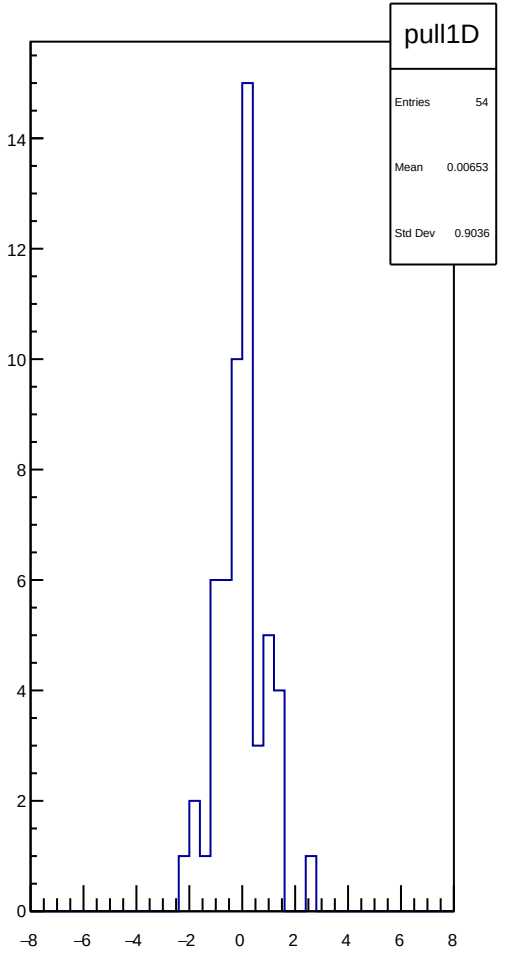

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1474 / 53
p0 175.1 ± 0.1732
200
195
190
185
180
175
170
165
160
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

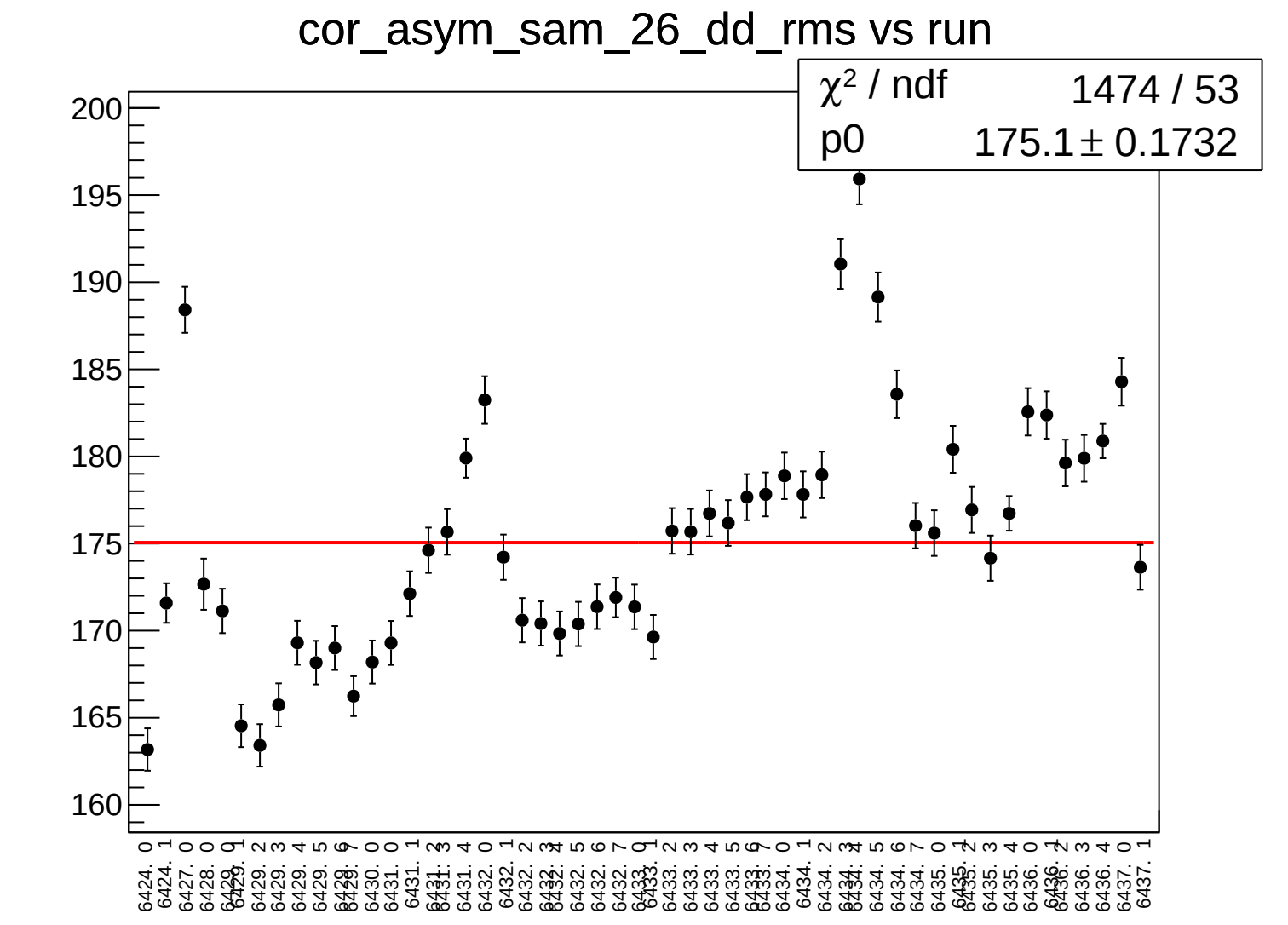

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 81.65 / 53
p0 3177 ± 2181
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −39.77
Std Dev 0
3
2
1
0
−1
−2
−3

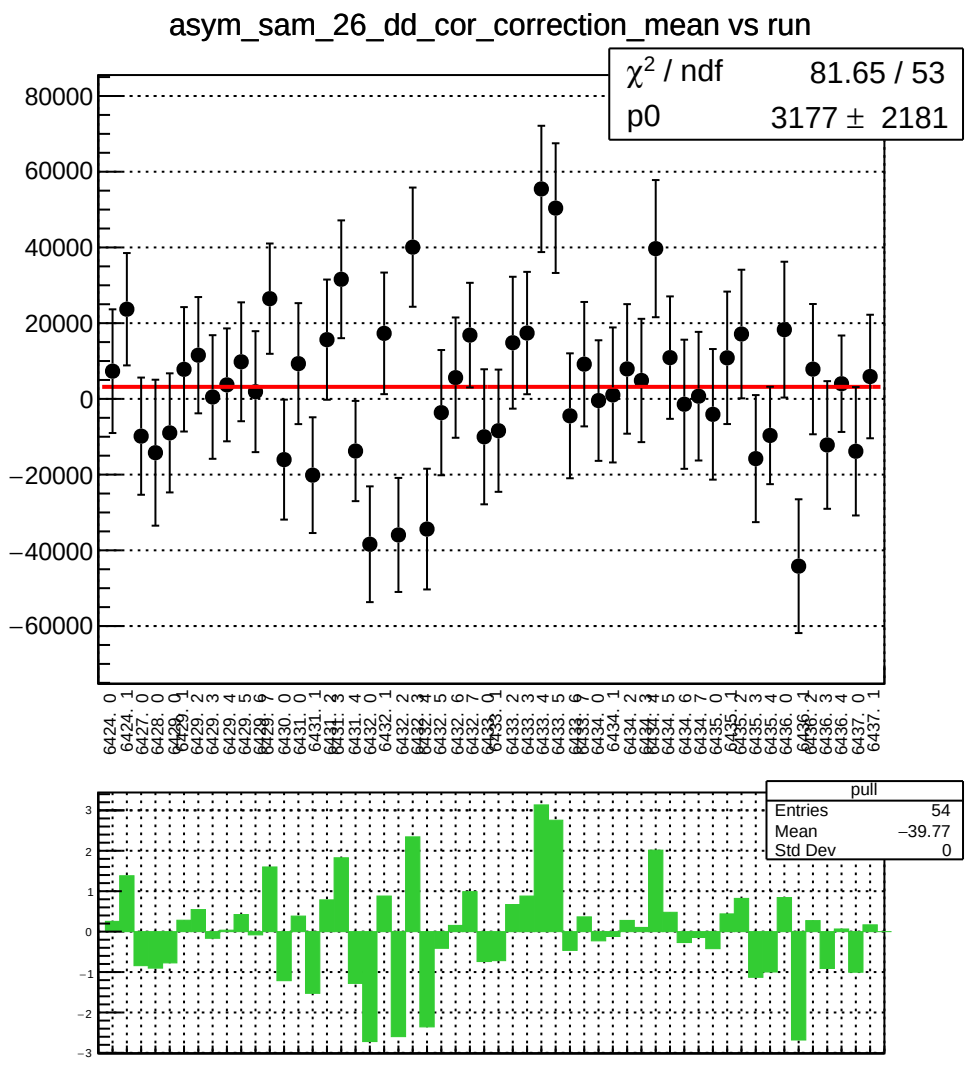

pull1D
Entries 54
Mean 0.008833
Std Dev 1.23
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

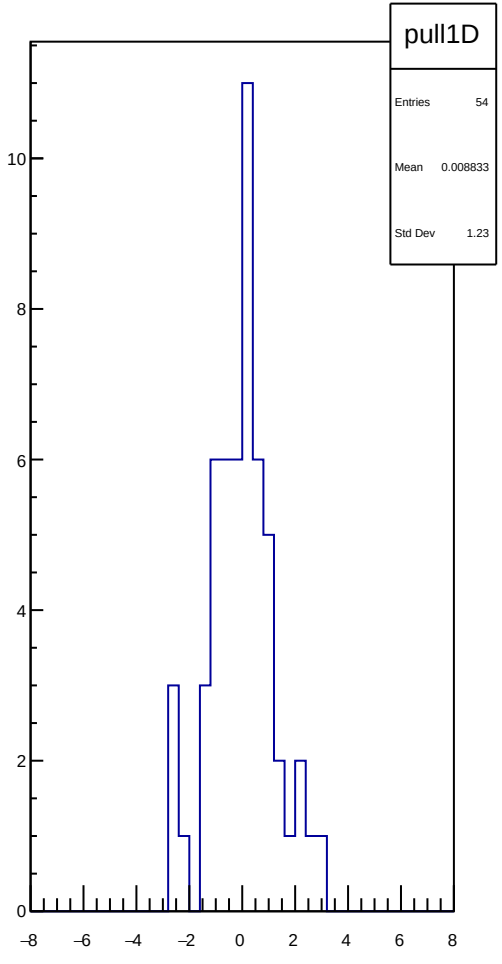

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2256 / 53
p0 1558 ± 1.542
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

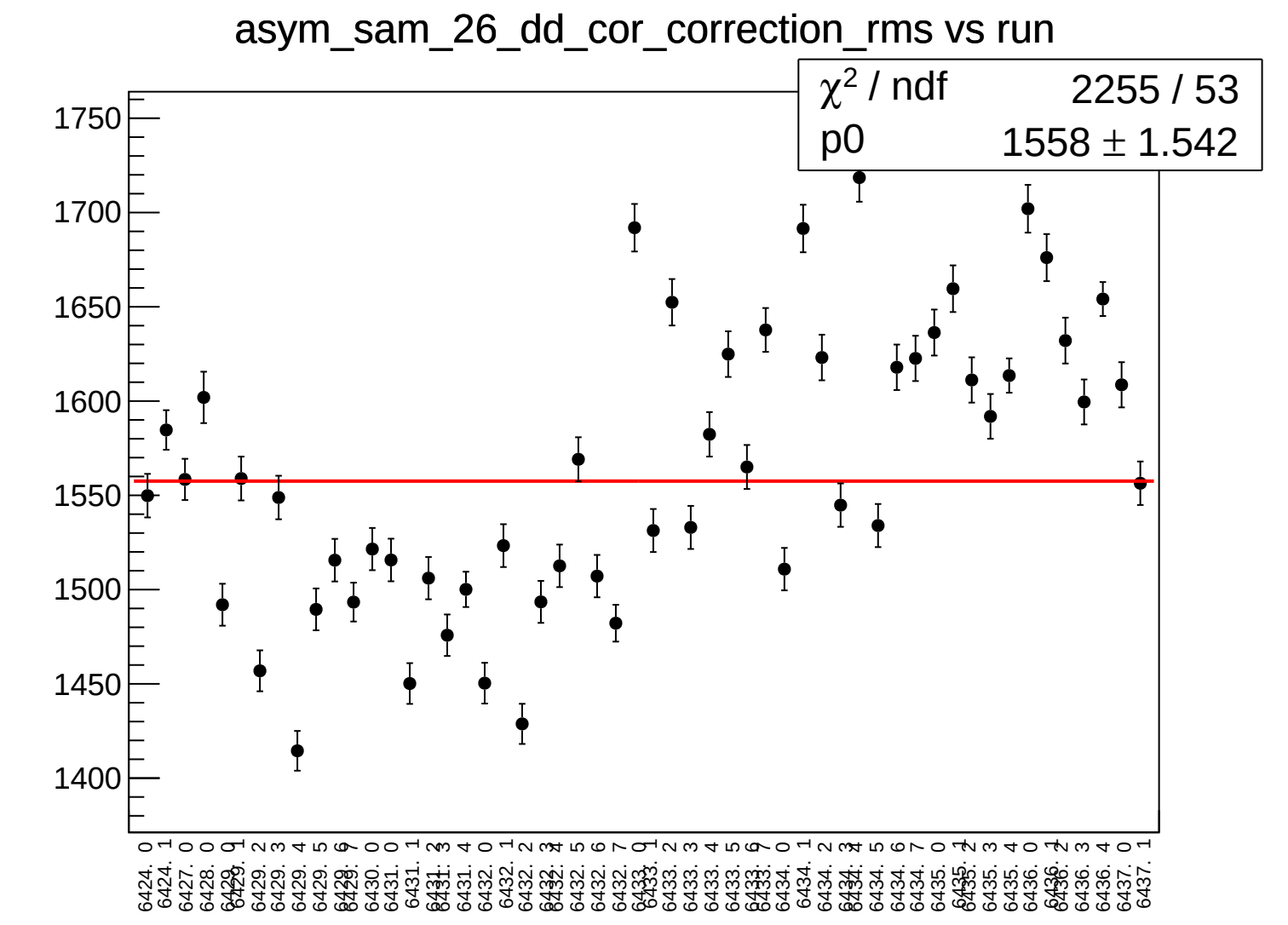

cor_asym_sam_26_dd_mean vs run
χ² / ndf 44.09 / 53
p0 −170.2 ± 245
pull
Entries 54
Mean 418
Std Dev 0

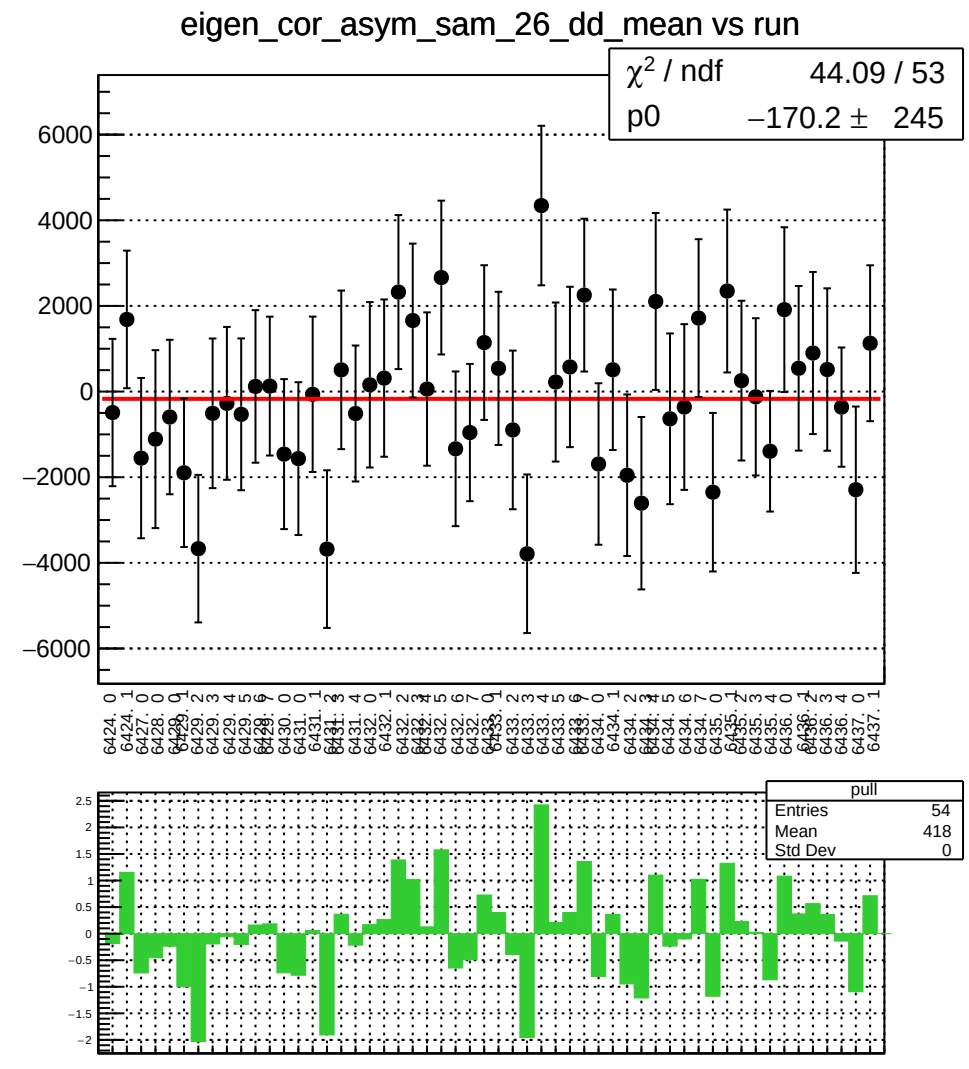

pull1D
Entries 54
Mean 0.00653
Std Dev 0.9036

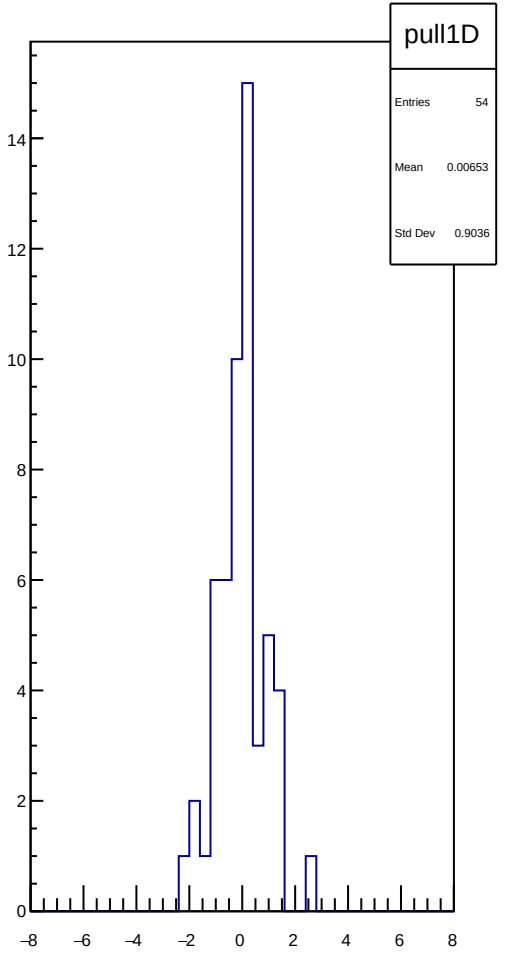

cor_asym_sam_26_dd_rms vs run
χ² / ndf 1474 / 53
p0 175.1 ± 0.1732
200
195
190
185
180
175
170
165
160
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

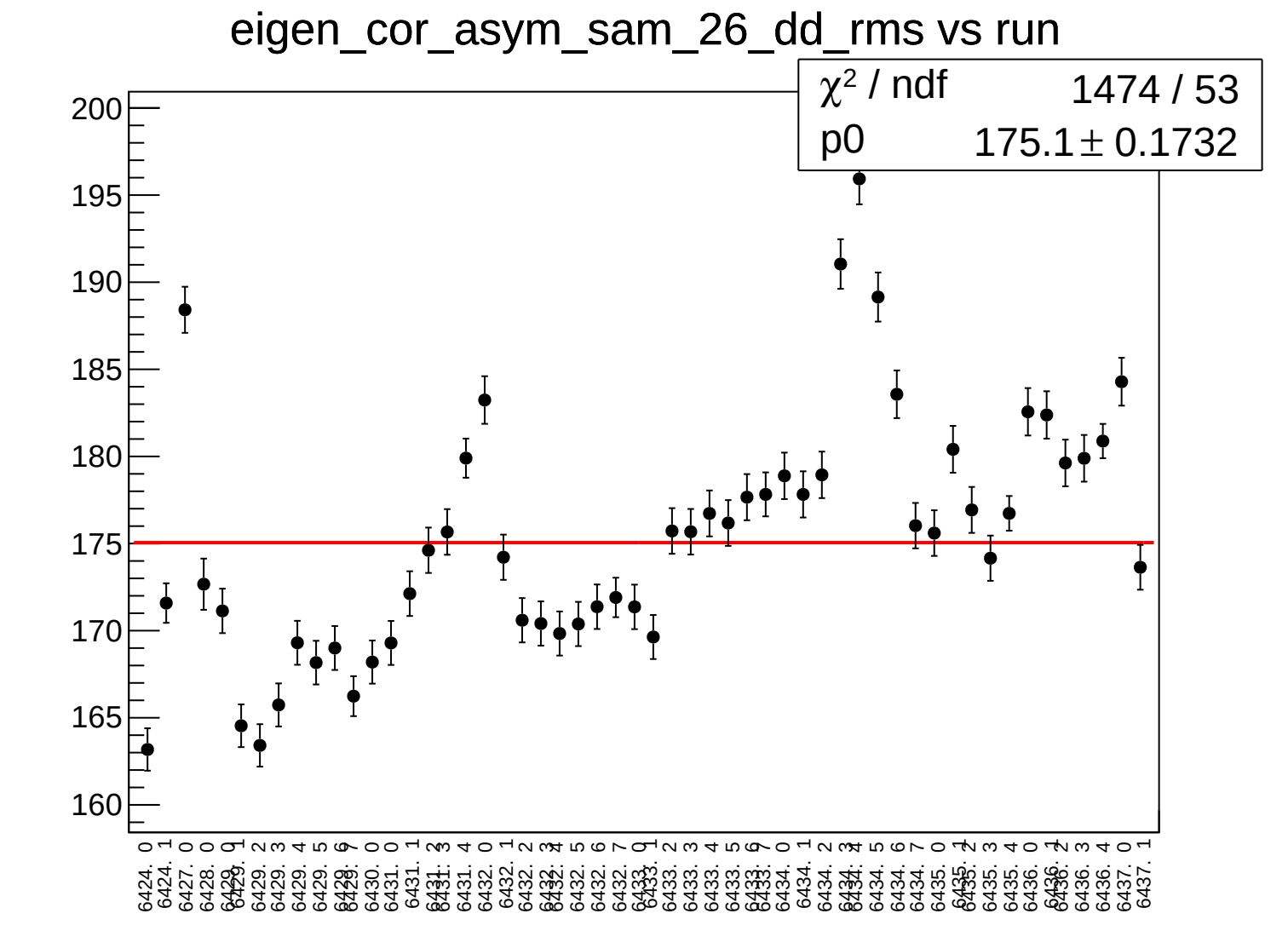

asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 81.65 / 53
p0 3177 ± 2181
pull
Entries 54
Mean −39.77
Std Dev 0

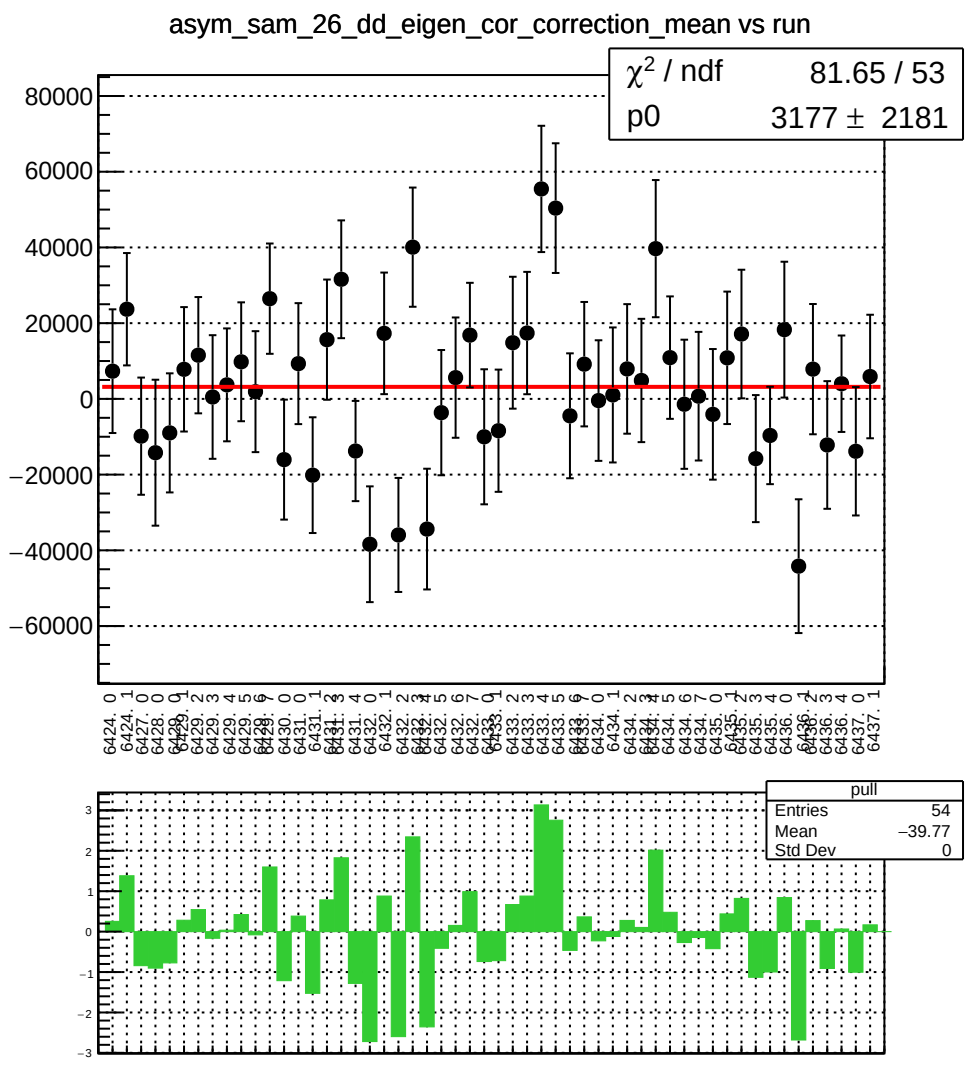

pull1D
Entries 54
Mean 0.008833
Std Dev 1.23

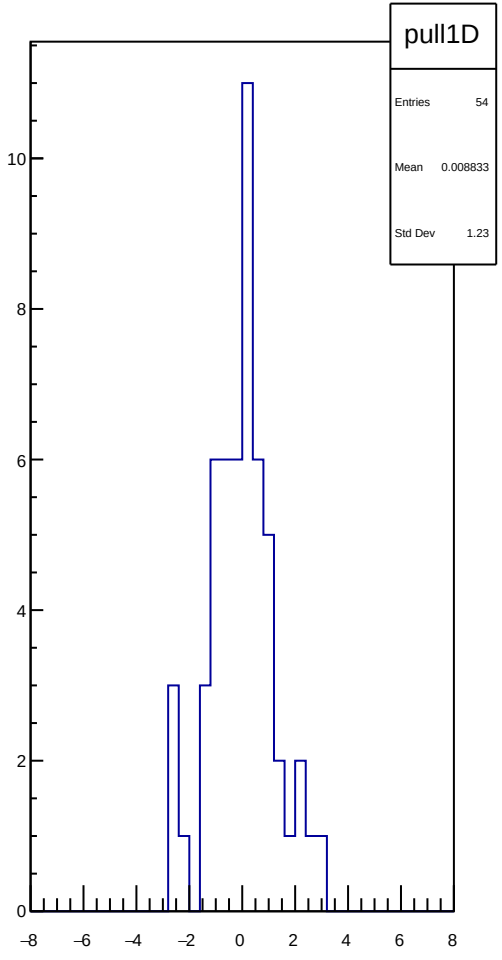

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2255 / 53
p0 1558 ± 1.542
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

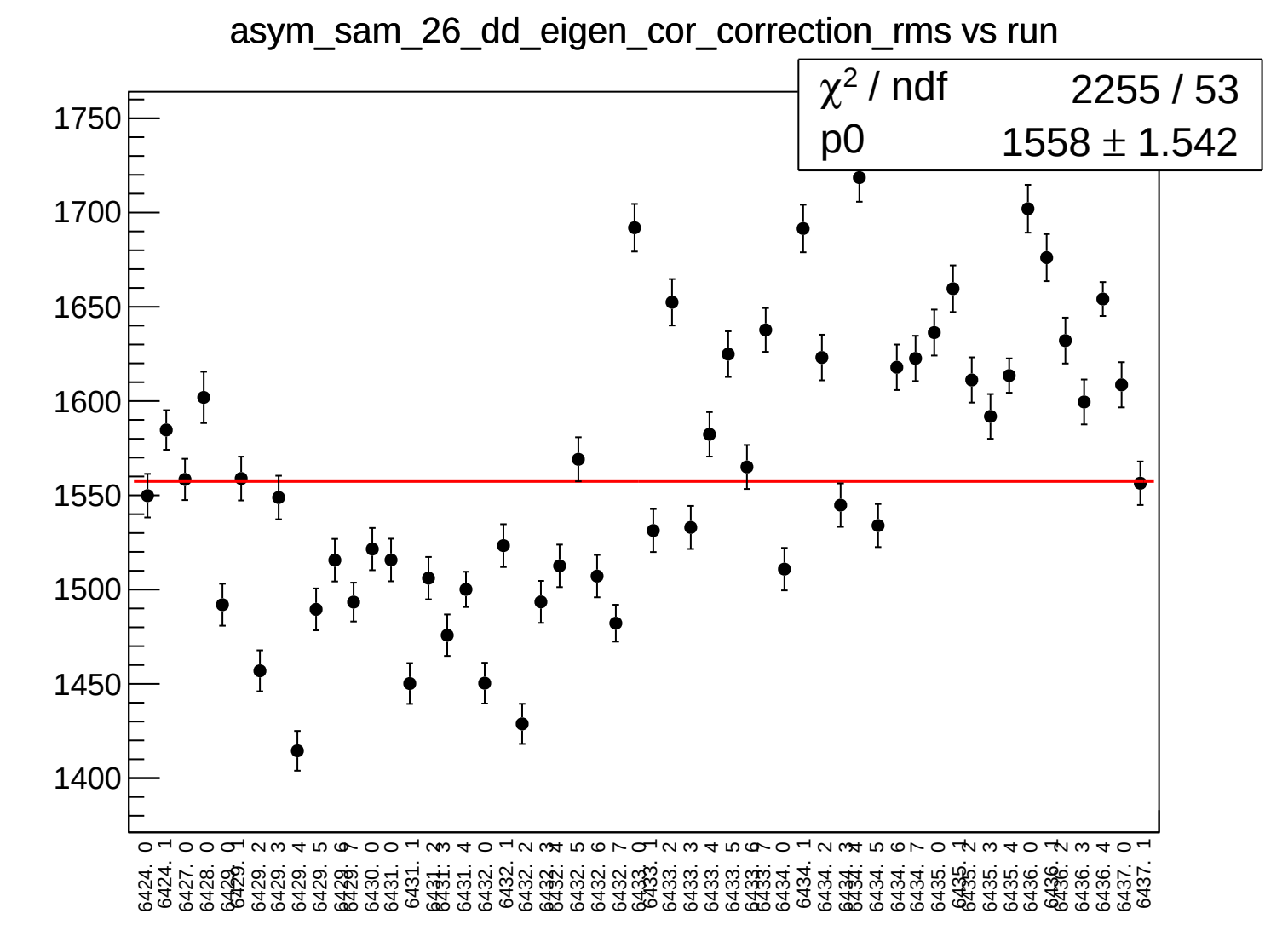

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 44.09 / 53
p0 −170.2 ± 245
pull
Entries 54
Mean 418
Std Dev 0

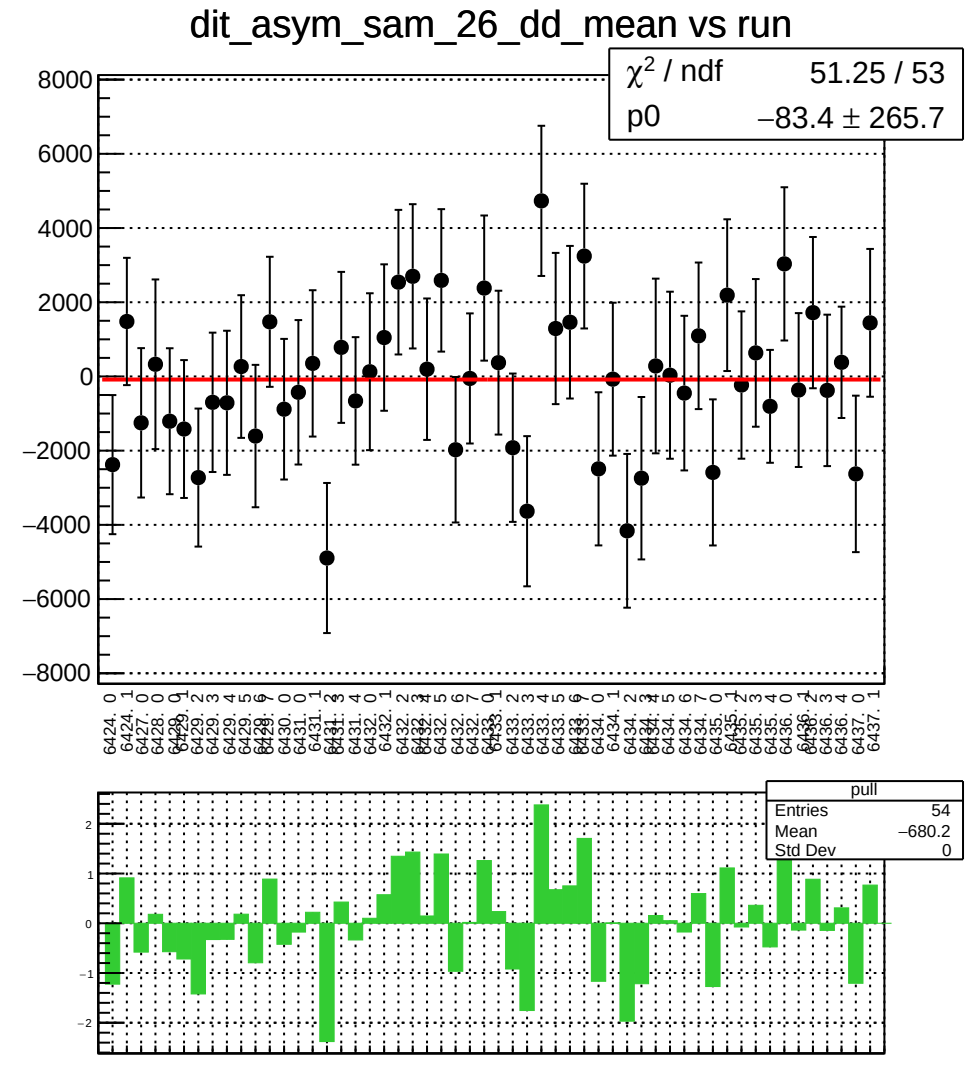

pull1D
Entries 54
Mean 0.00653
Std Dev 0.9036

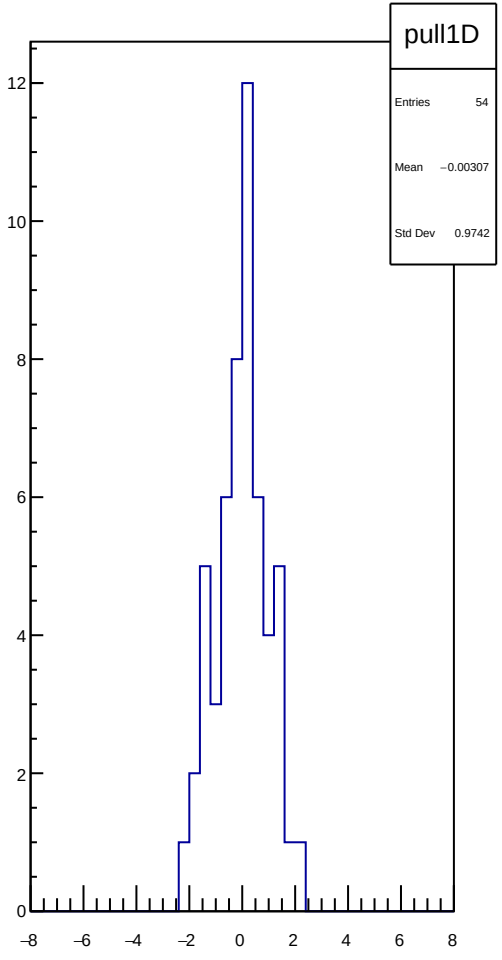

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1474 / 53
p0 175.1 ± 0.1732
200
195
190
185
180
175
170
165
160
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

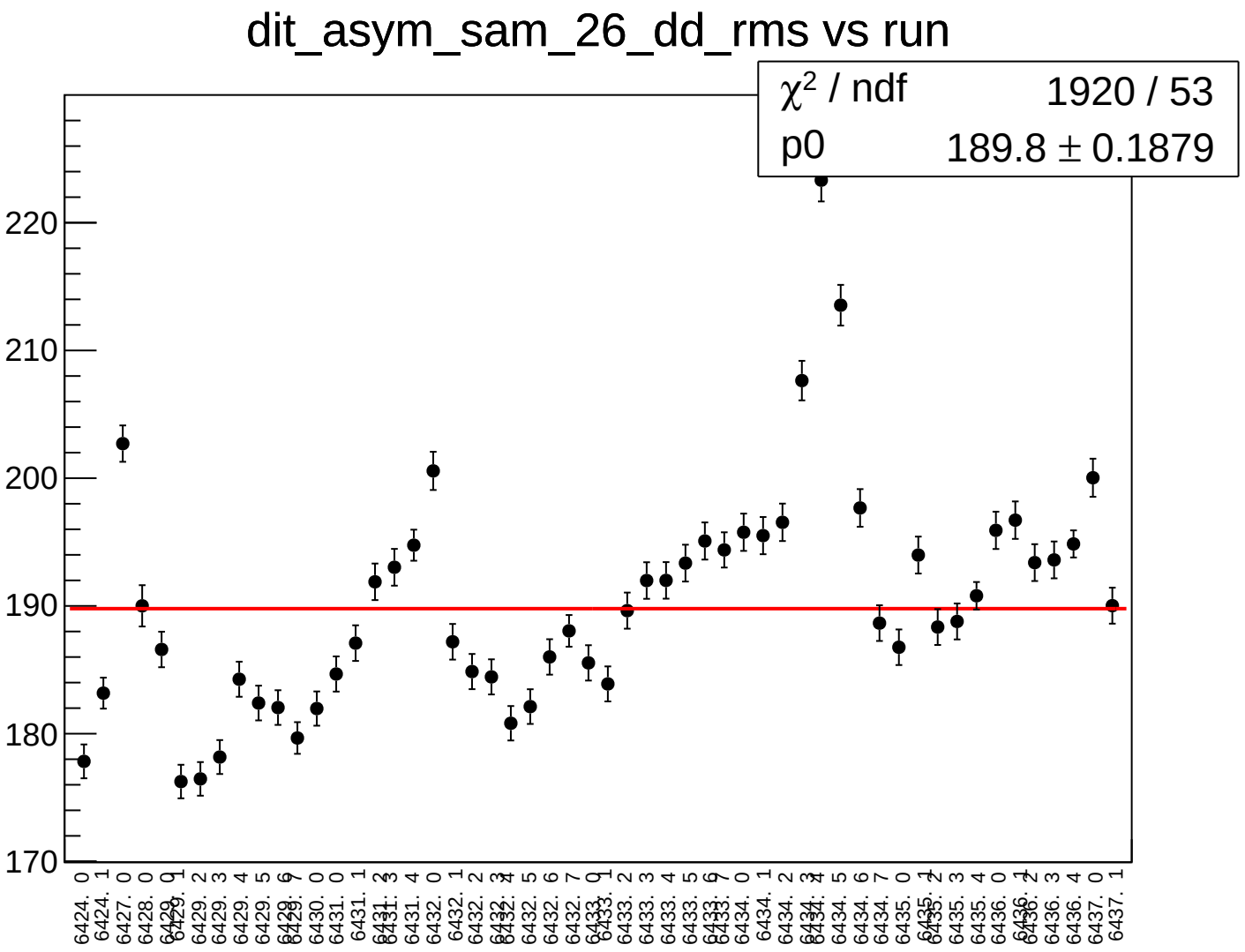

asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.65 / 53
p0 3177 ± 2181
pull
Entries 54
Mean −39.77
Std Dev 0

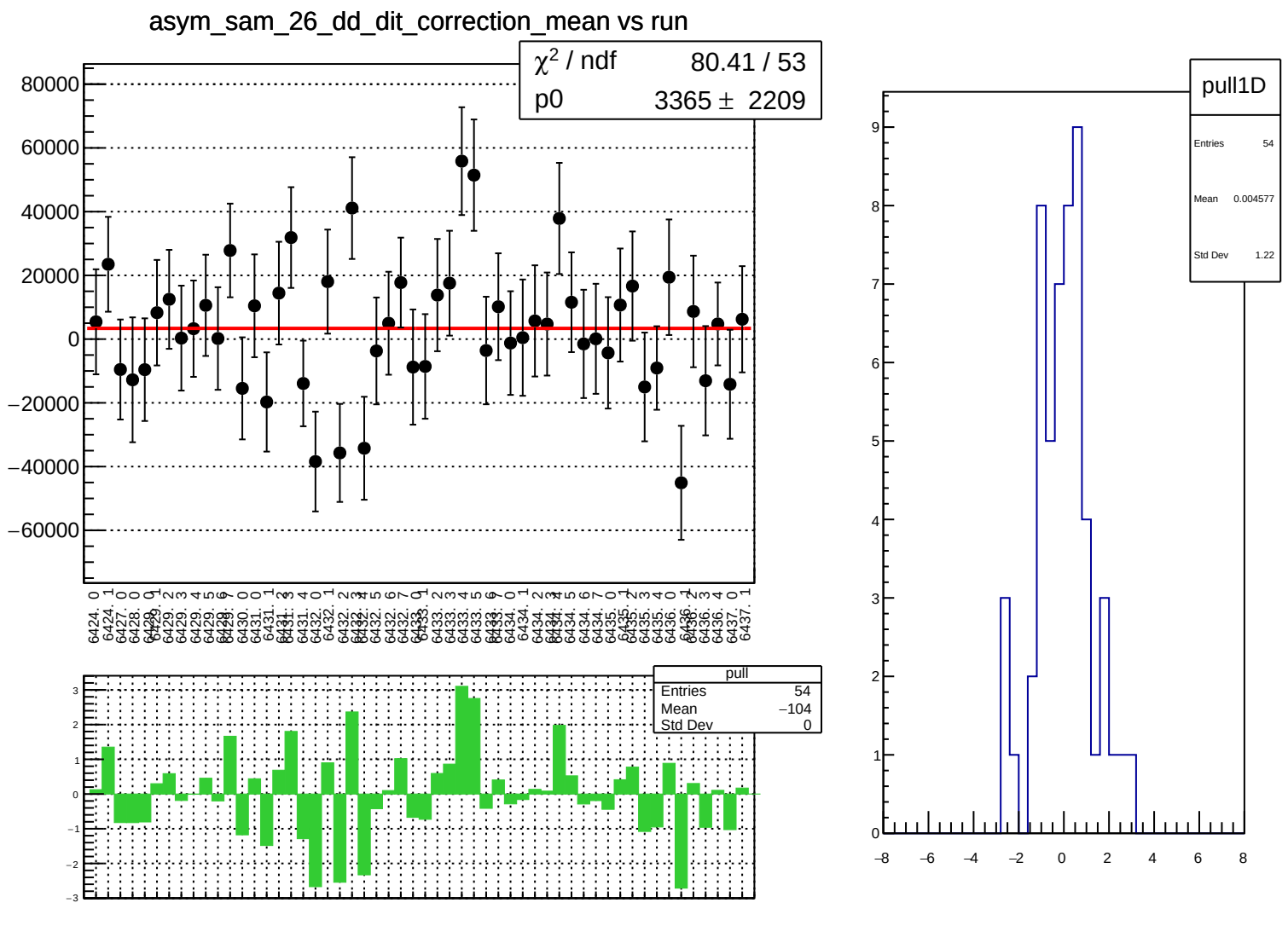

pull1D
Entries 54
Mean 0.008833
Std Dev 1.23

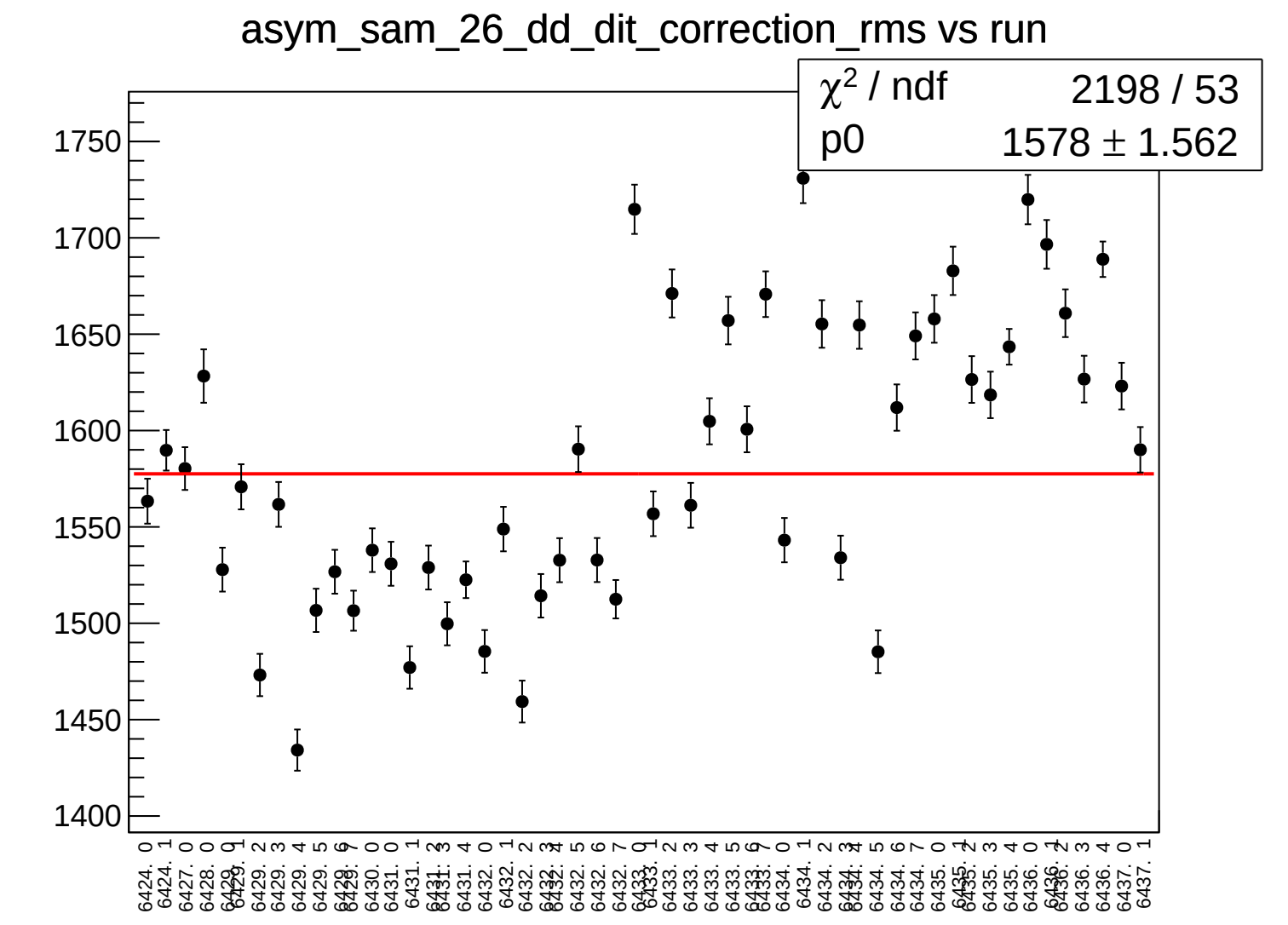

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2255 / 53
p0 1558 ± 1.542
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

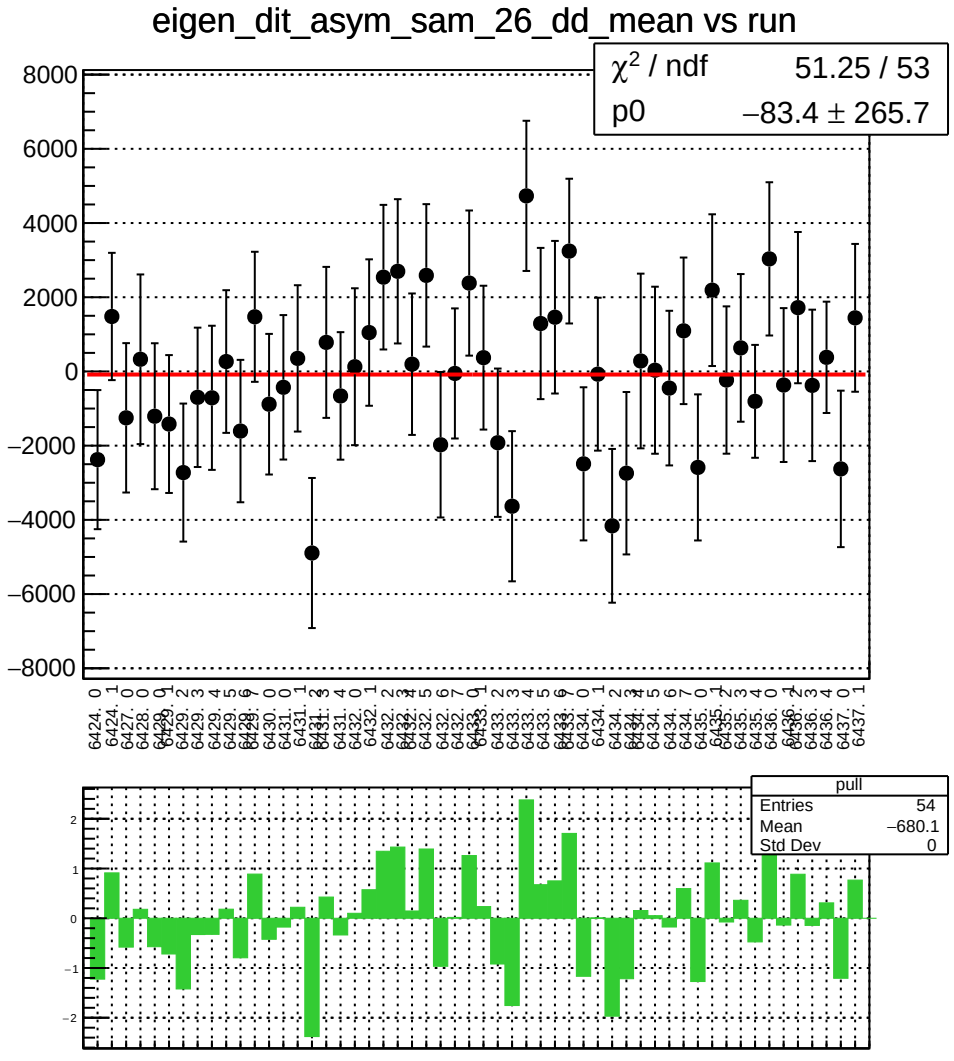

dit_asym_sam_26_dd_mean vs run
χ² / ndf 51.25 / 53
p0 −83.4 ± 265.7
pull
Entries 54
Mean −680.2
Std Dev 0

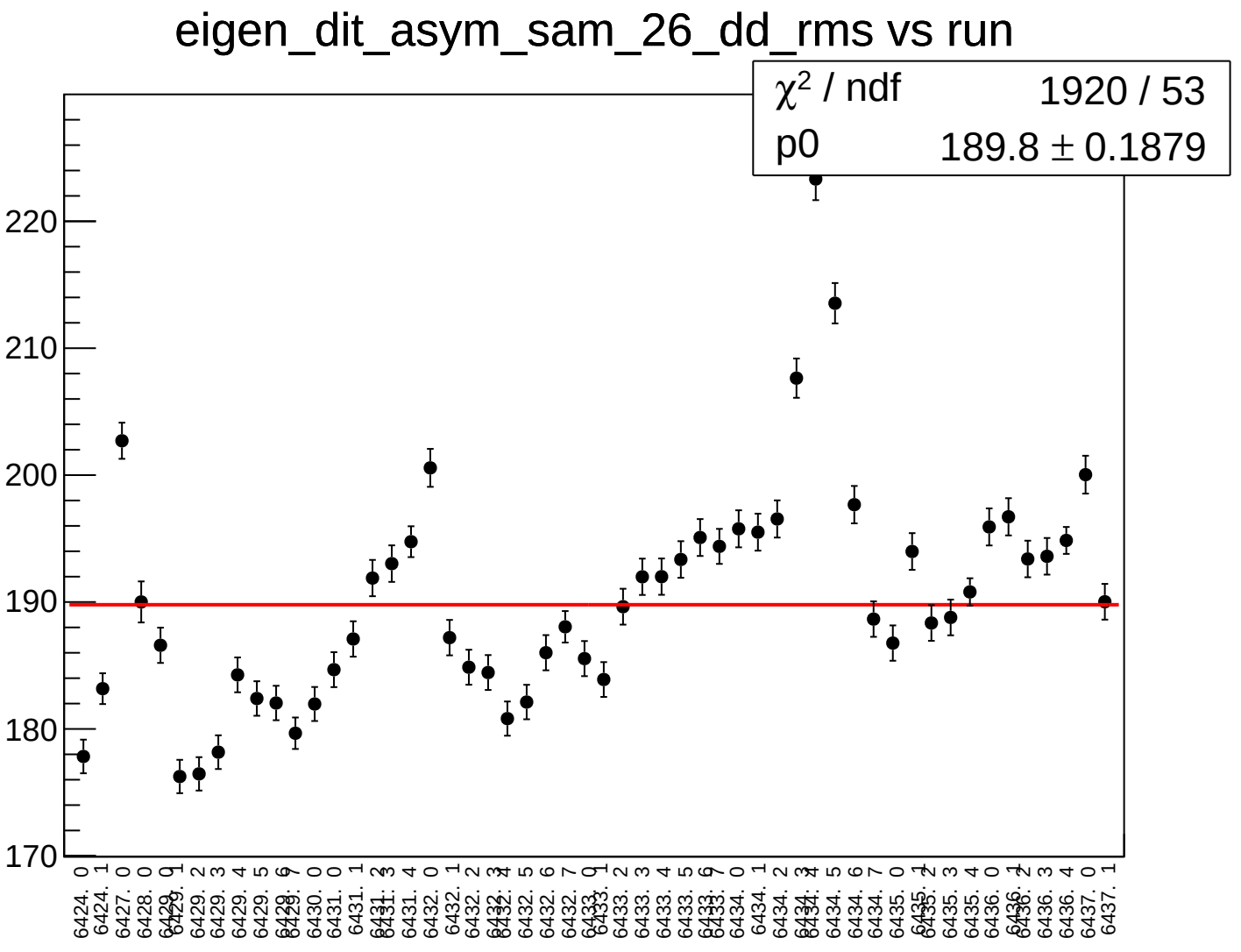

pull1D
Entries 54
Mean −0.00307
Std Dev 0.9742

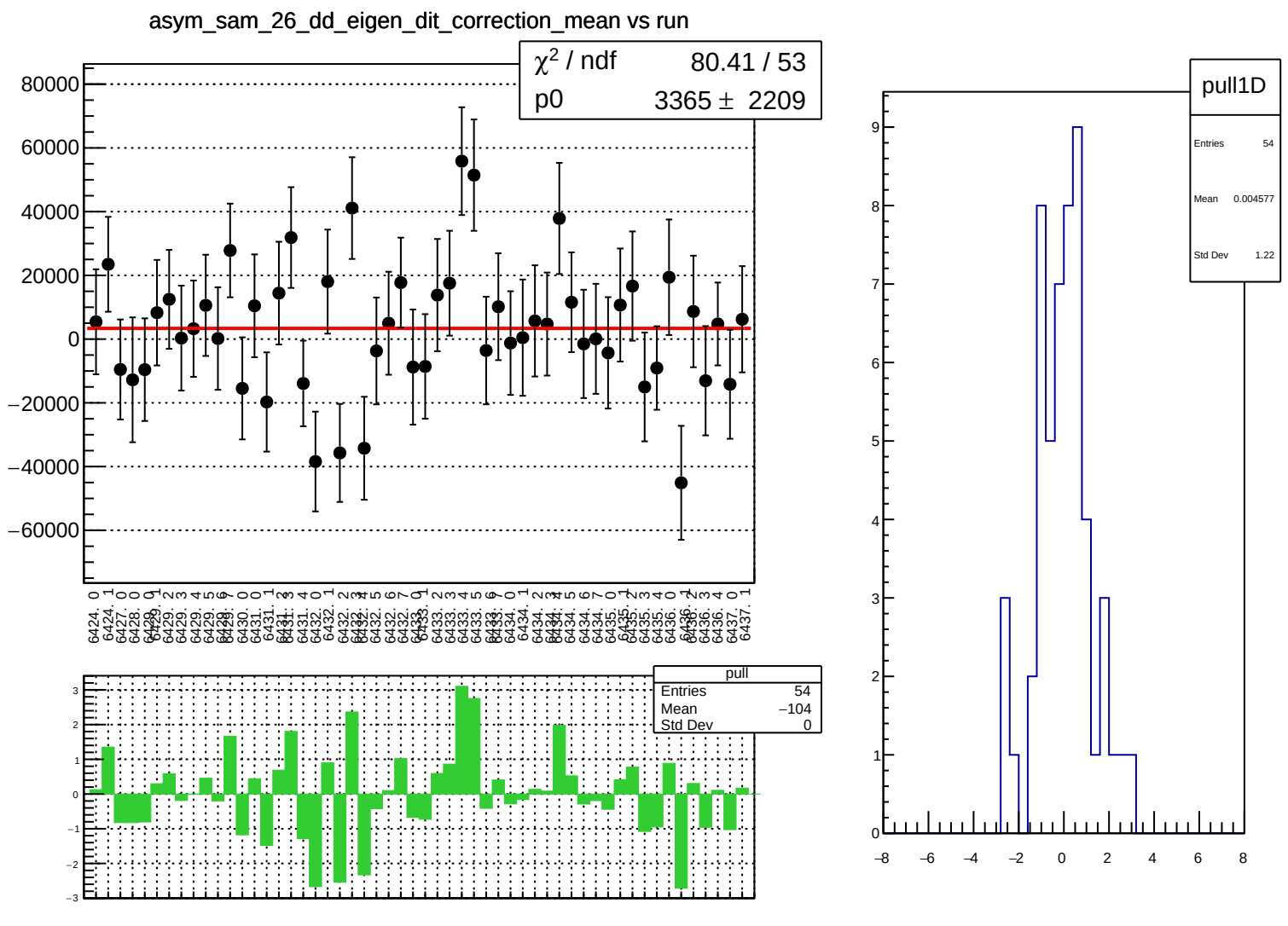

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1920 / 53
p0 189.8 ± 0.1879
220
210
200
190
180
170
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

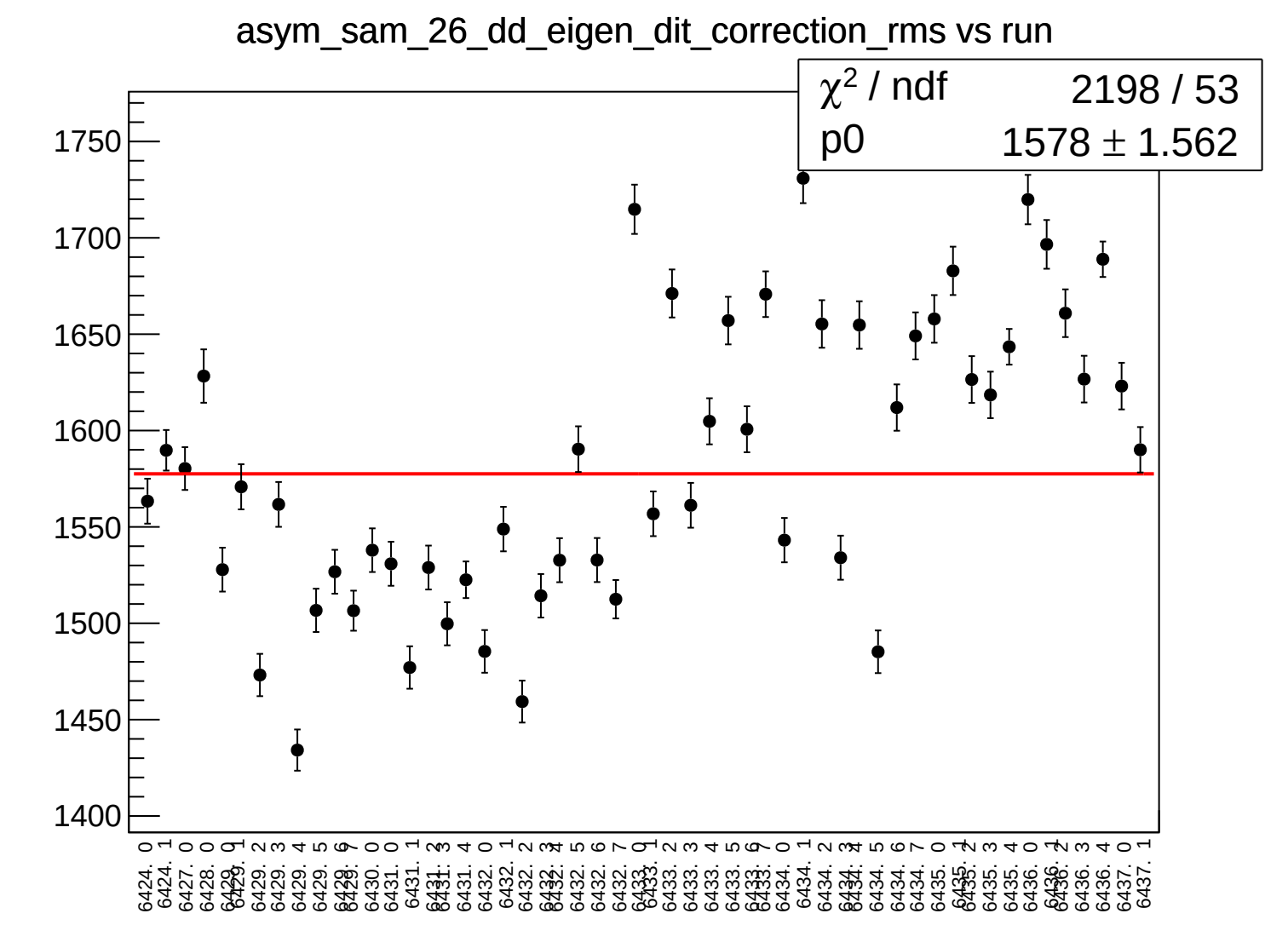

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 80.41 / 53
p0 3365 ± 2209
pull
Entries 54
Mean −104
Std Dev 0
pull1D
Entries 54
Mean 0.004577
Std Dev 1.22

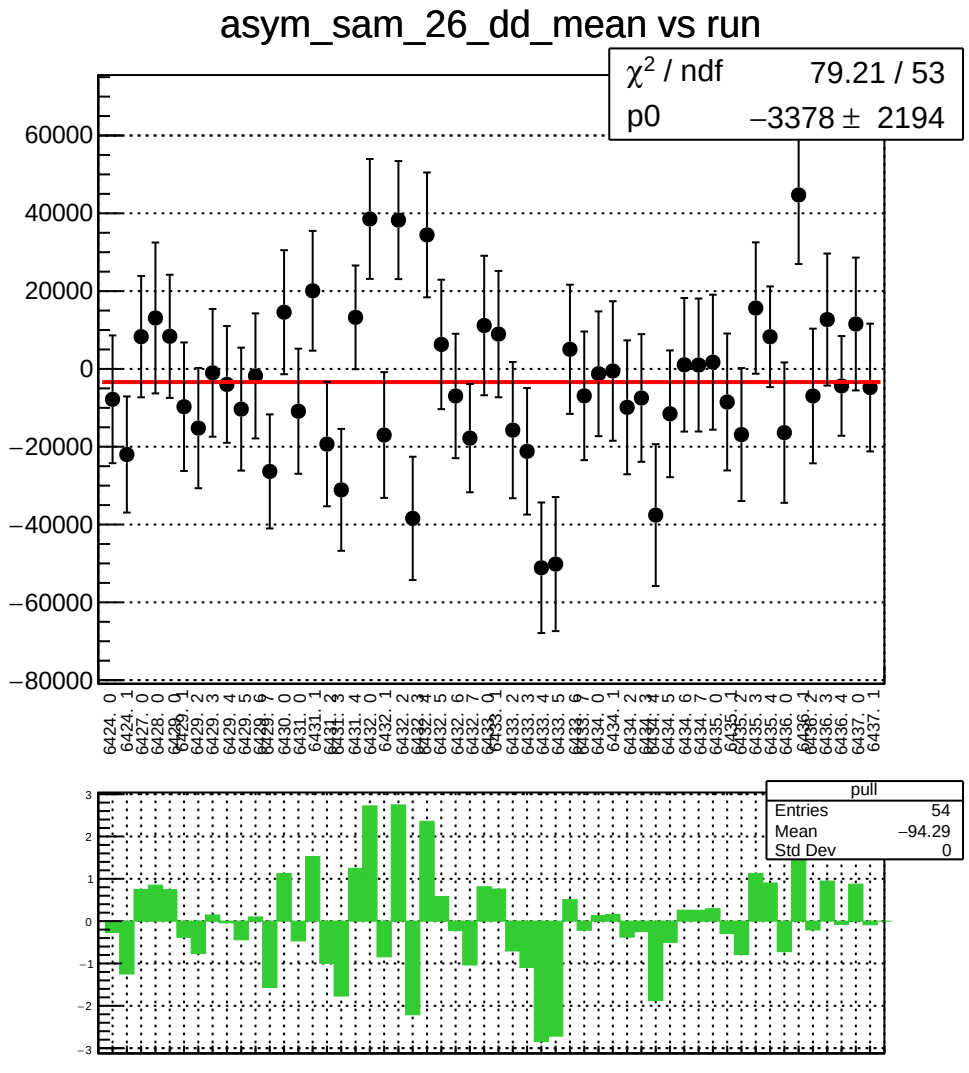

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2198 / 53
p0 1578 ± 1.562
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

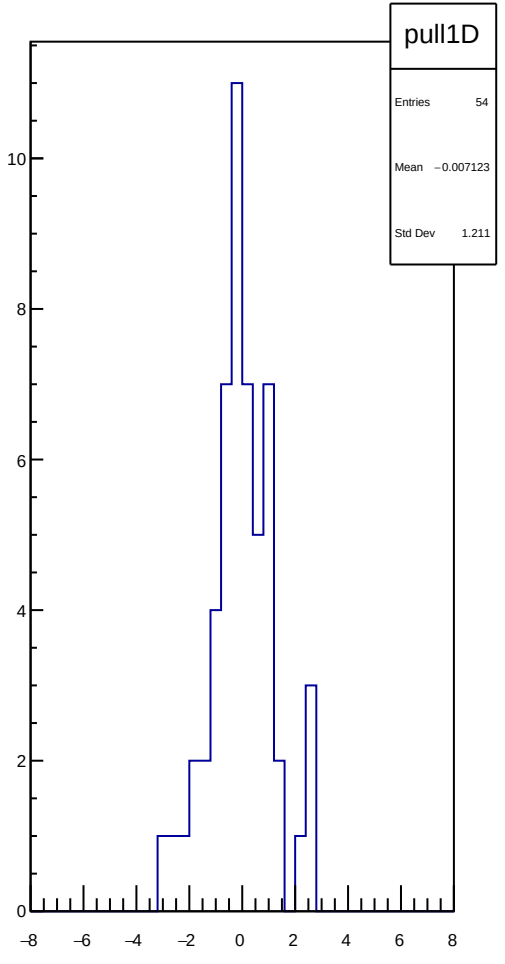

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 51.25 / 53
p0 −83.4 ± 265.7
pull
Entries 54
Mean −680.1
Std Dev 0
pull1D
Entries 54
Mean −0.00307
Std Dev 0.9742

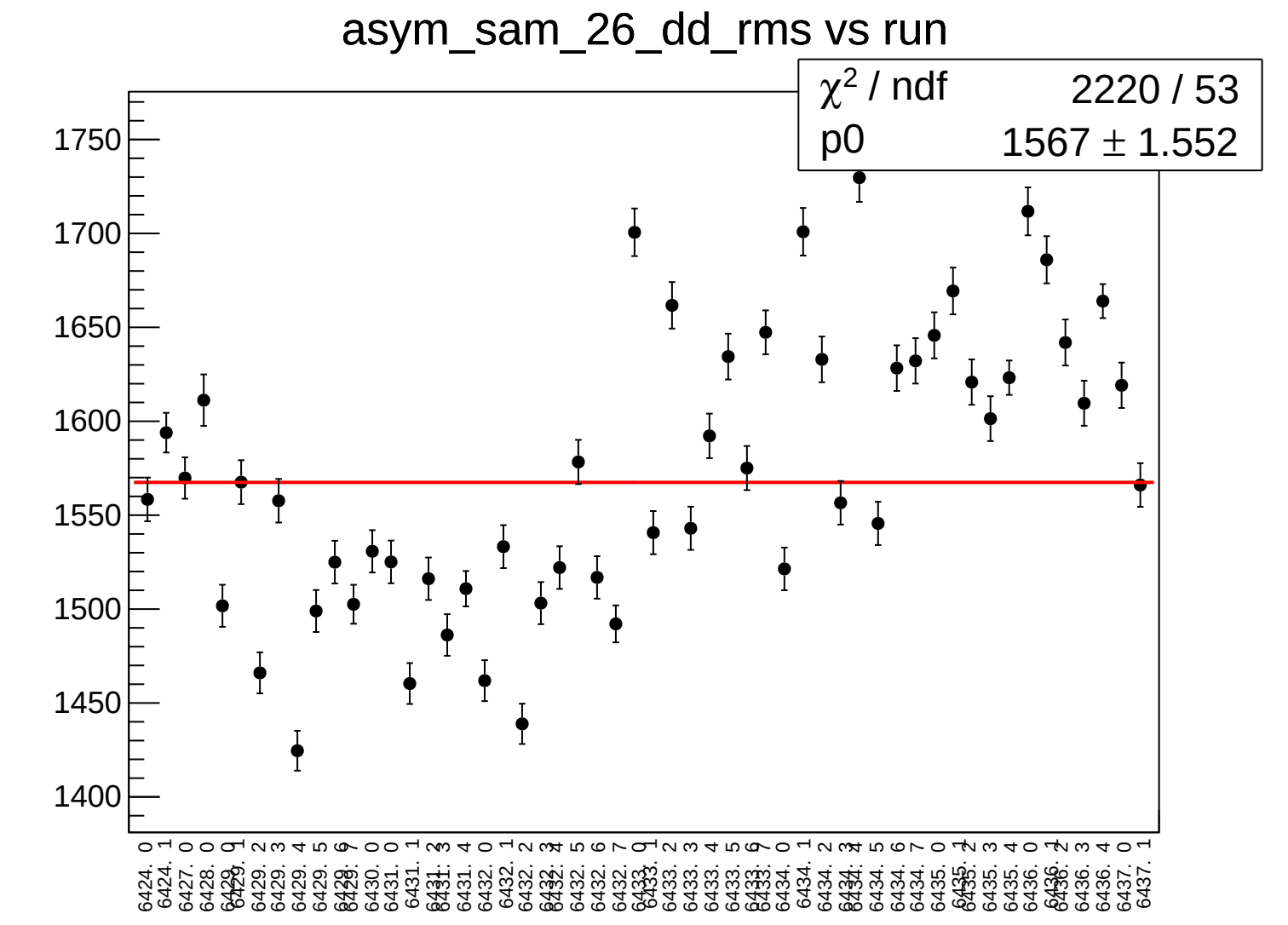

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 1920 / 53
p0 189.8 ± 0.1879
220
210
200
190
180
170
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

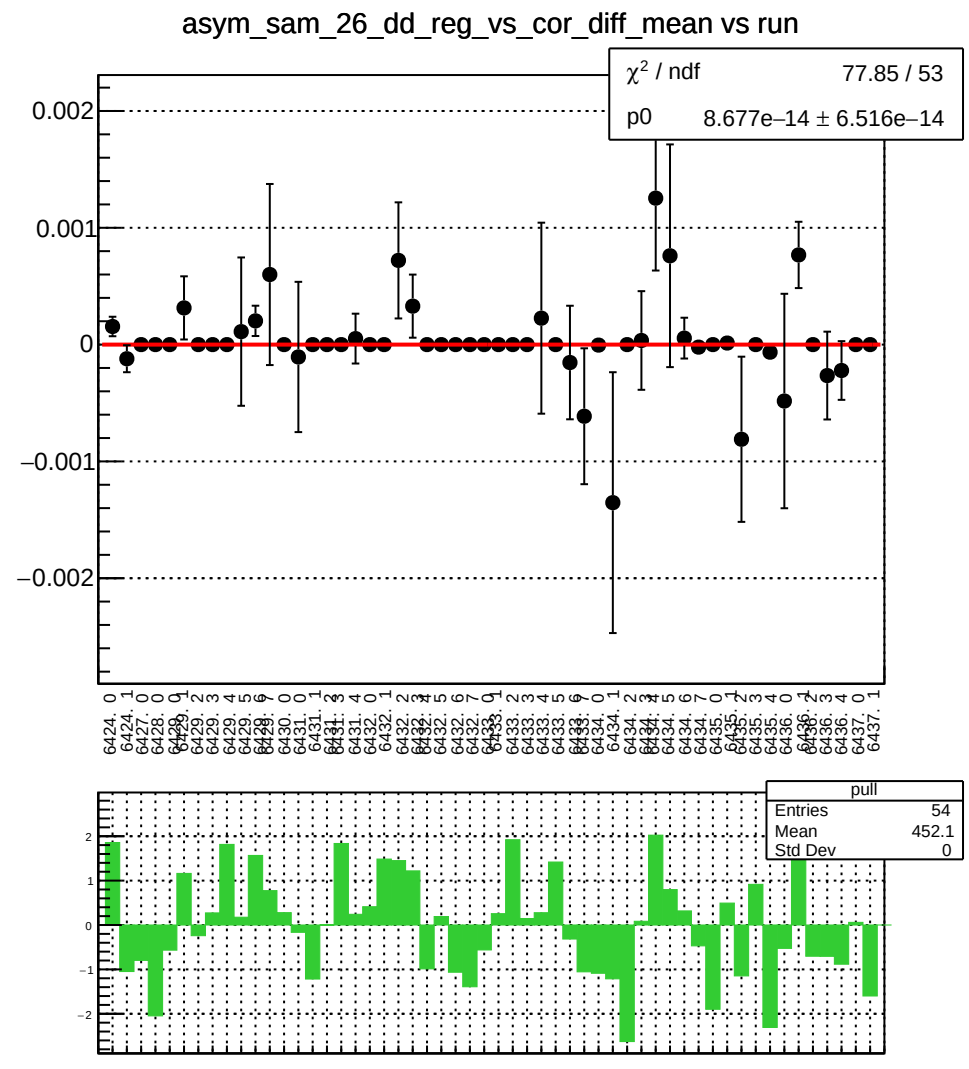

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.41 / 53
p0 3365 ± 2209
pull
Entries 54
Mean −104
Std Dev 0
pull1D
Entries 54
Mean 0.004577
Std Dev 1.22

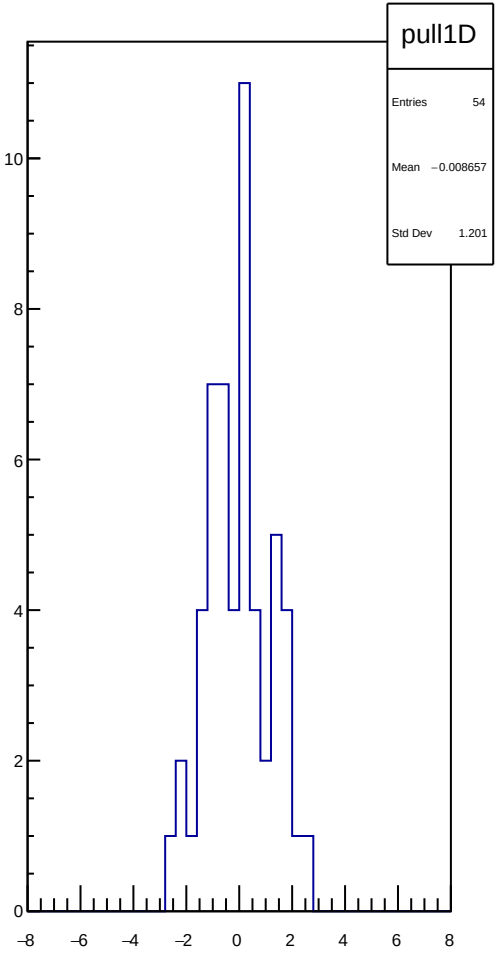

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2198 / 53
p0 1578 ± 1.562
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

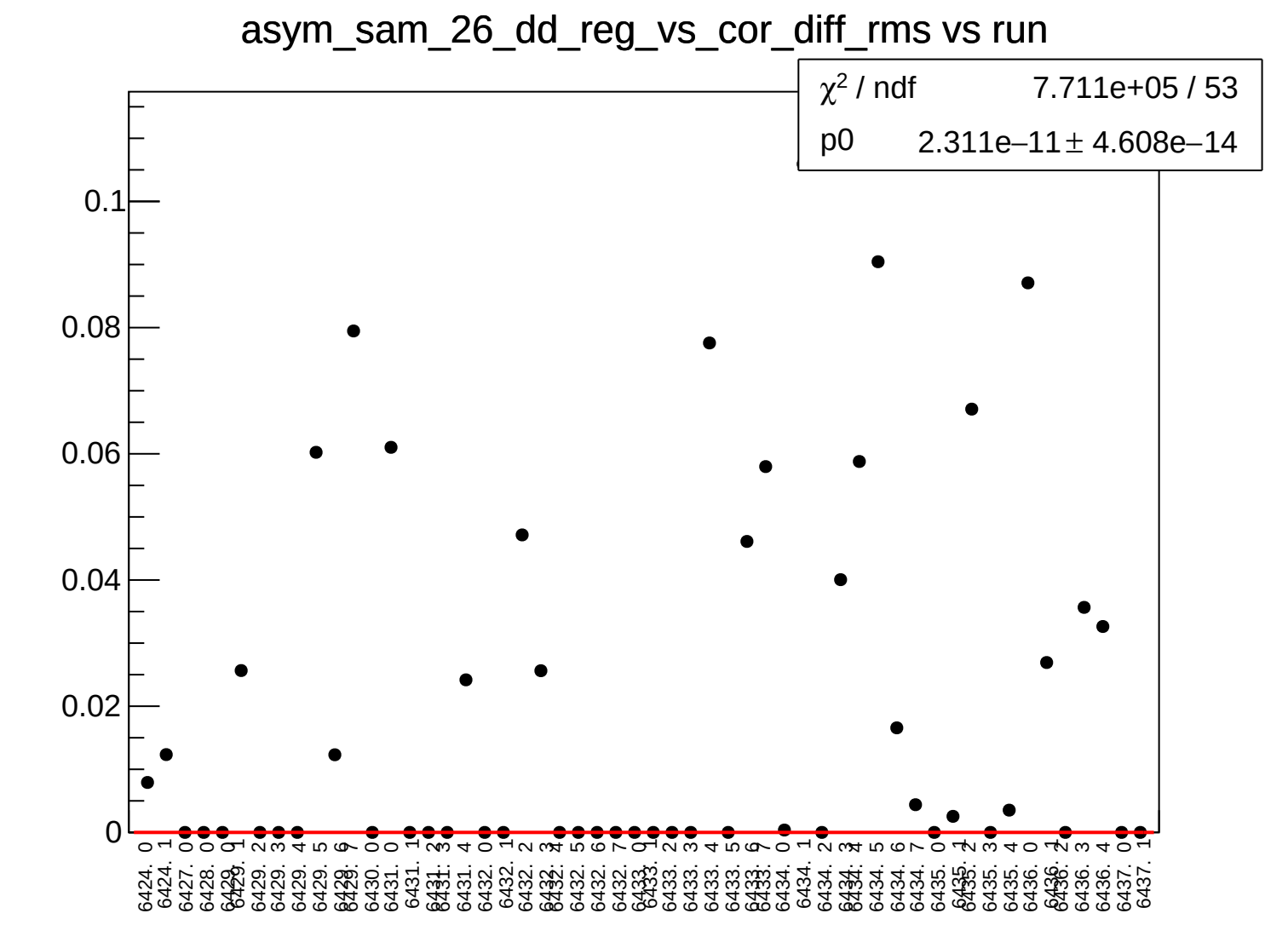

asym_sam_26_dd_mean vs run
χ² / ndf 79.21 / 53
p0 −3378 ± 2194
pull
Entries 54
Mean −94.29
Std Dev 0


pull1D
Entries 54
Mean −0.007123
Std Dev 1.211


asym_sam_26_dd_rms vs run
χ² / ndf 2220 / 53
p0 1567 ± 1.552
1750
1700
1650
1600
1550
1500
1450
1400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.85 / 53
p0 8.677e−14 ± 6.516e−14
0.002
0.001
0
−0.001
−0.002
pull
Entries 54
Mean 452.1
Std Dev 0


pull1D
Entries 54
Mean −0.008657
Std Dev 1.201
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 7.711e+05 / 53
p0 2.311e−11 ± 4.608e−14
0.1
0.08
0.06
0.04
0.02
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
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6432. 6
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6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
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6435. 1
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6435. 4
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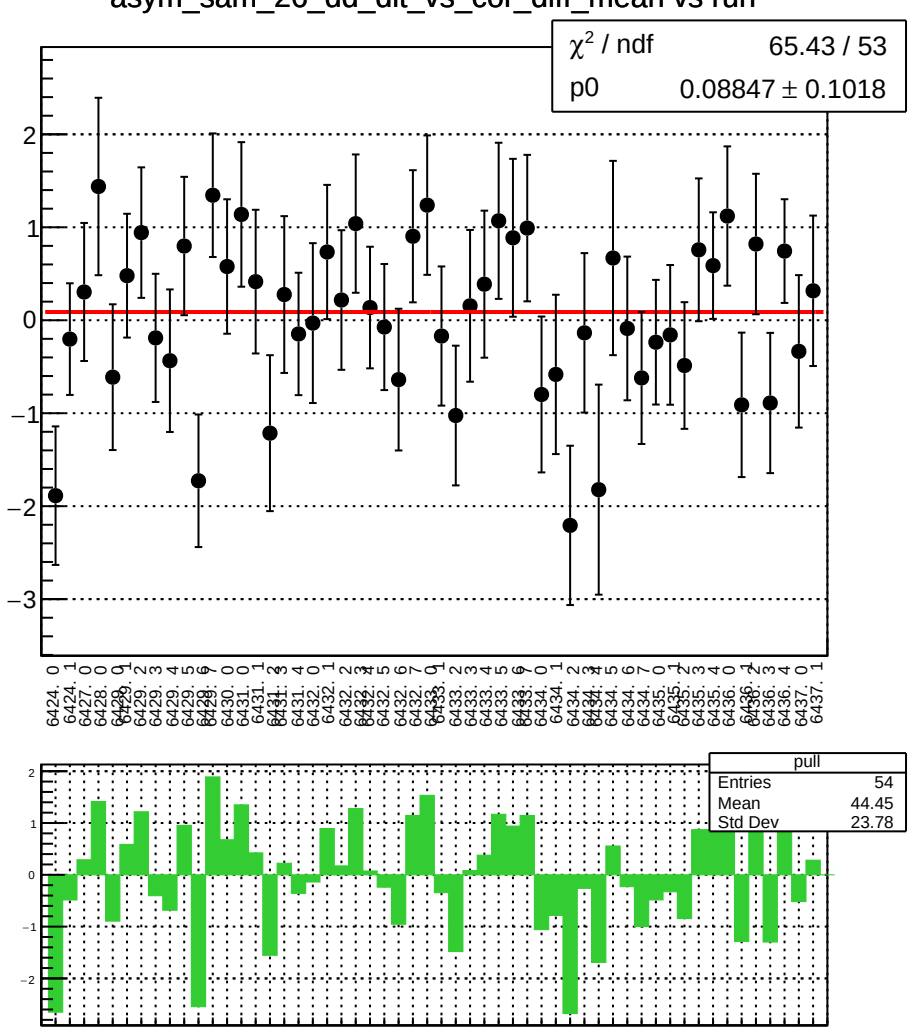
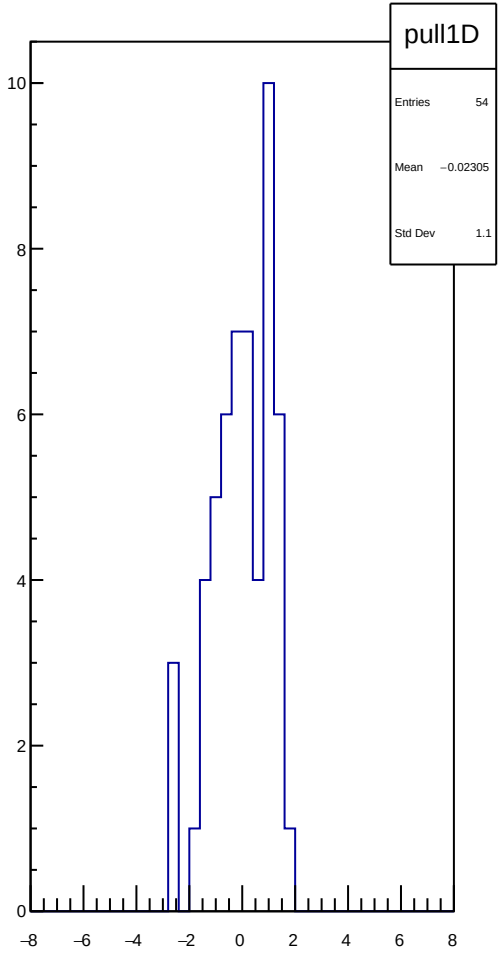
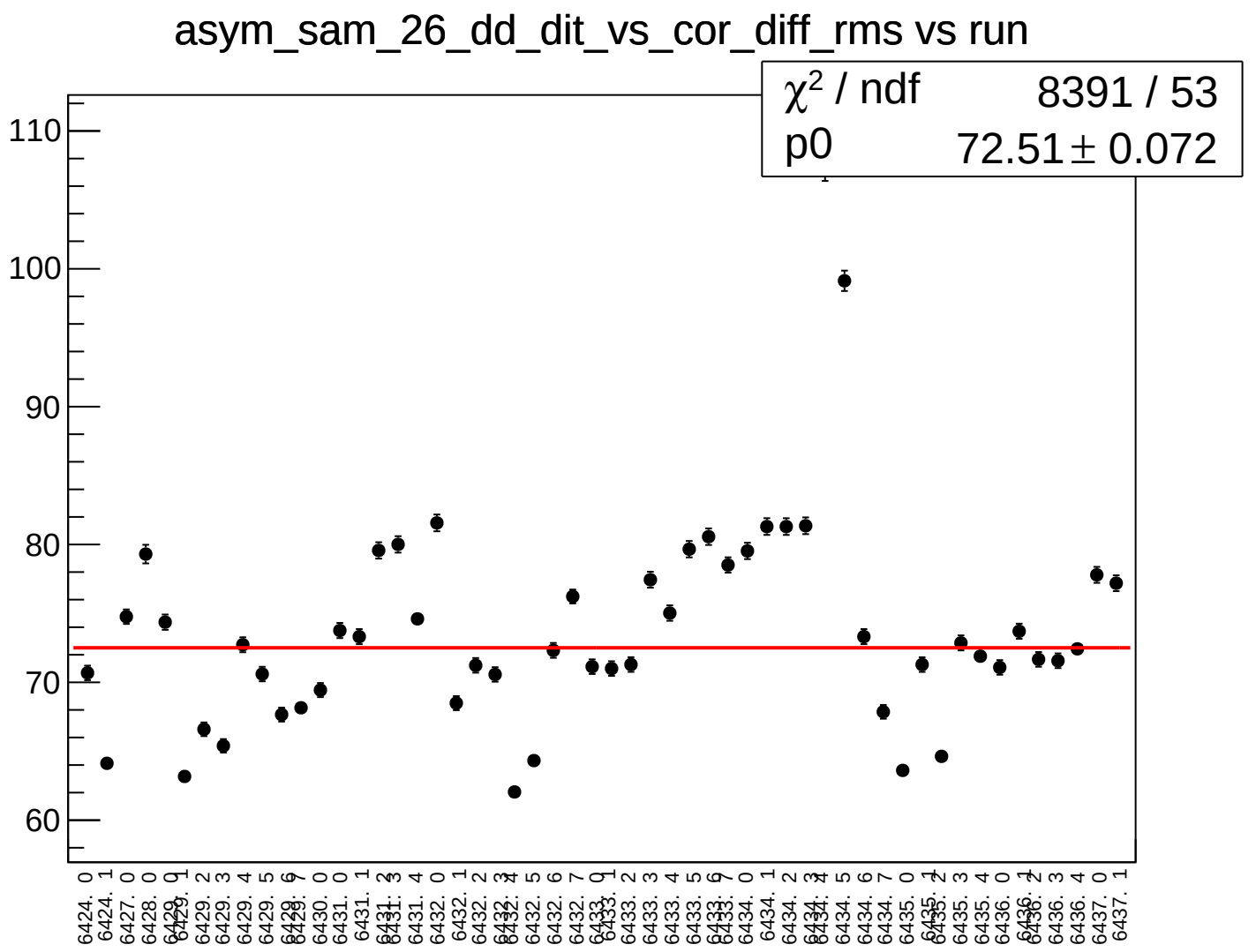
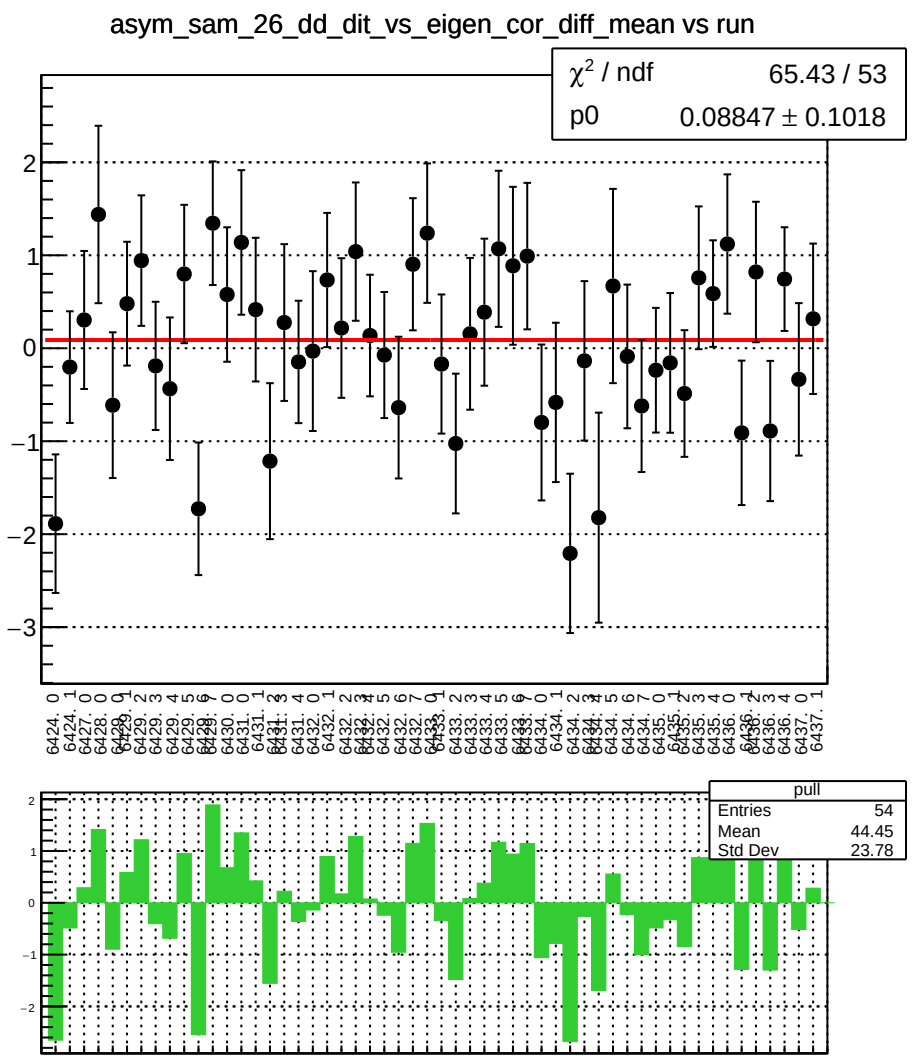
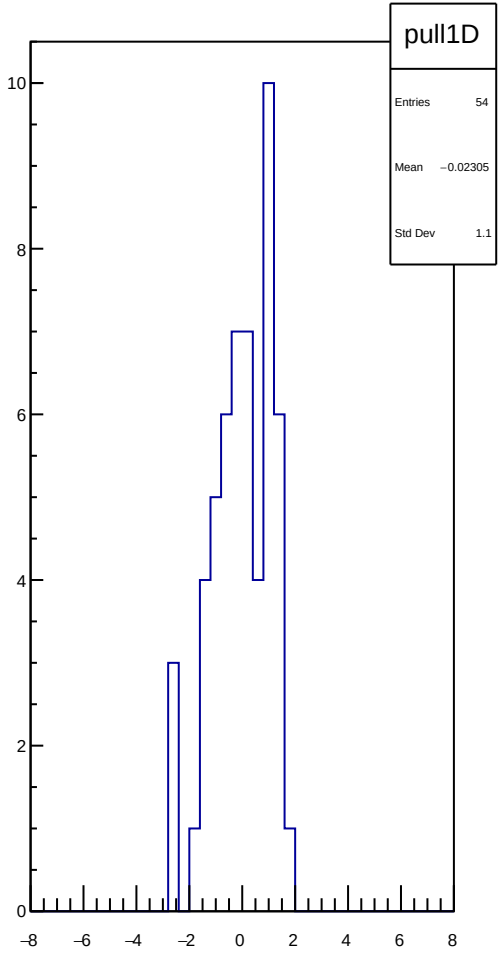
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

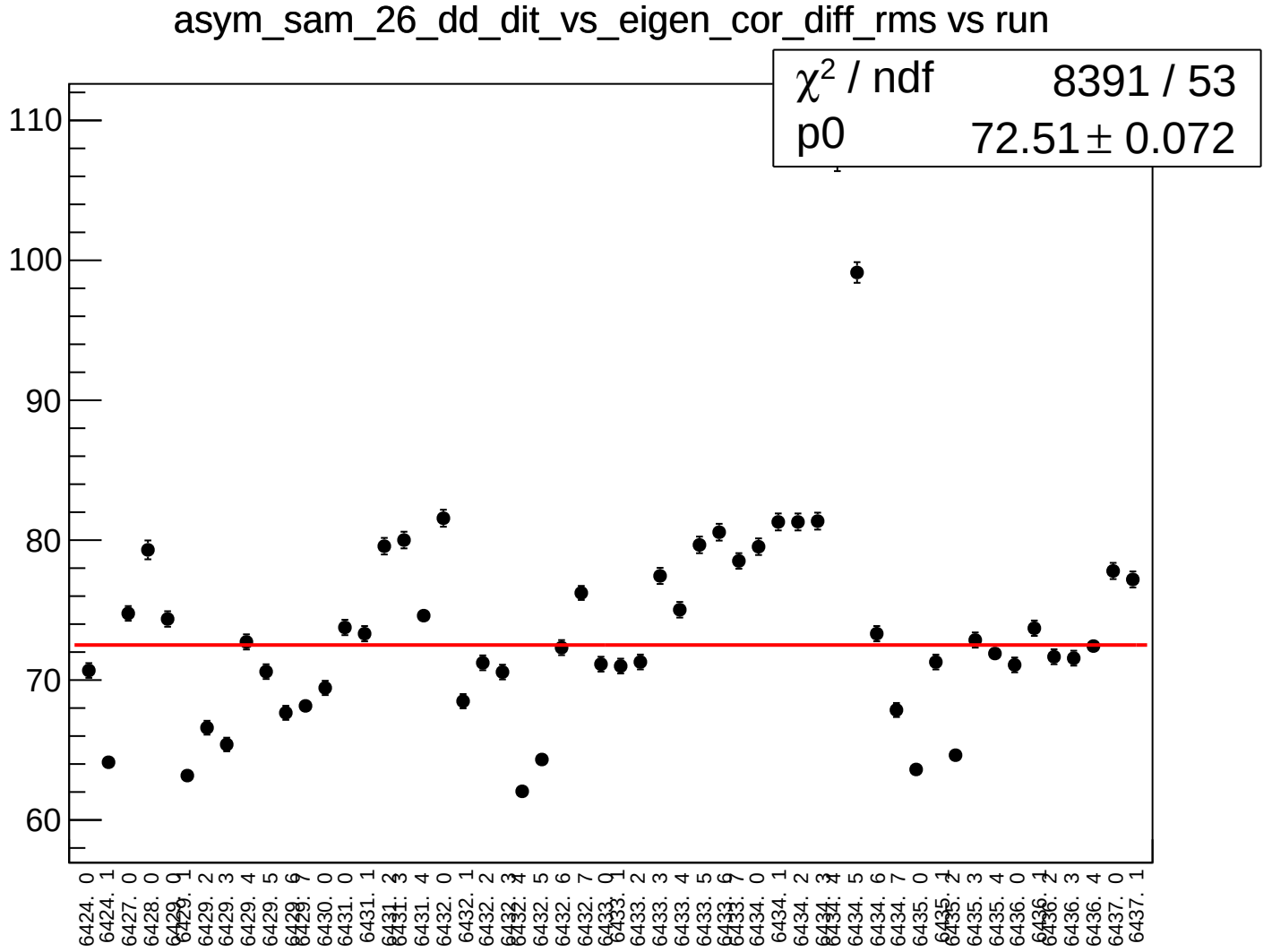

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.43 / 53
p0 0.08847 ± 0.1018
pull
Entries 54
Mean 44.45
Std Dev 23.78


pull1D
Entries 54
Mean −0.02305
Std Dev 1.1


asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8391 / 53
p0 72.51 ± 0.072
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.43 / 53
p0 0.08847 ± 0.1018
pull
Entries 54
Mean 44.45
Std Dev 23.78


pull1D
Entries 54
Mean −0.02305
Std Dev 1.1


asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8391 / 53
p0 72.51 ± 0.072
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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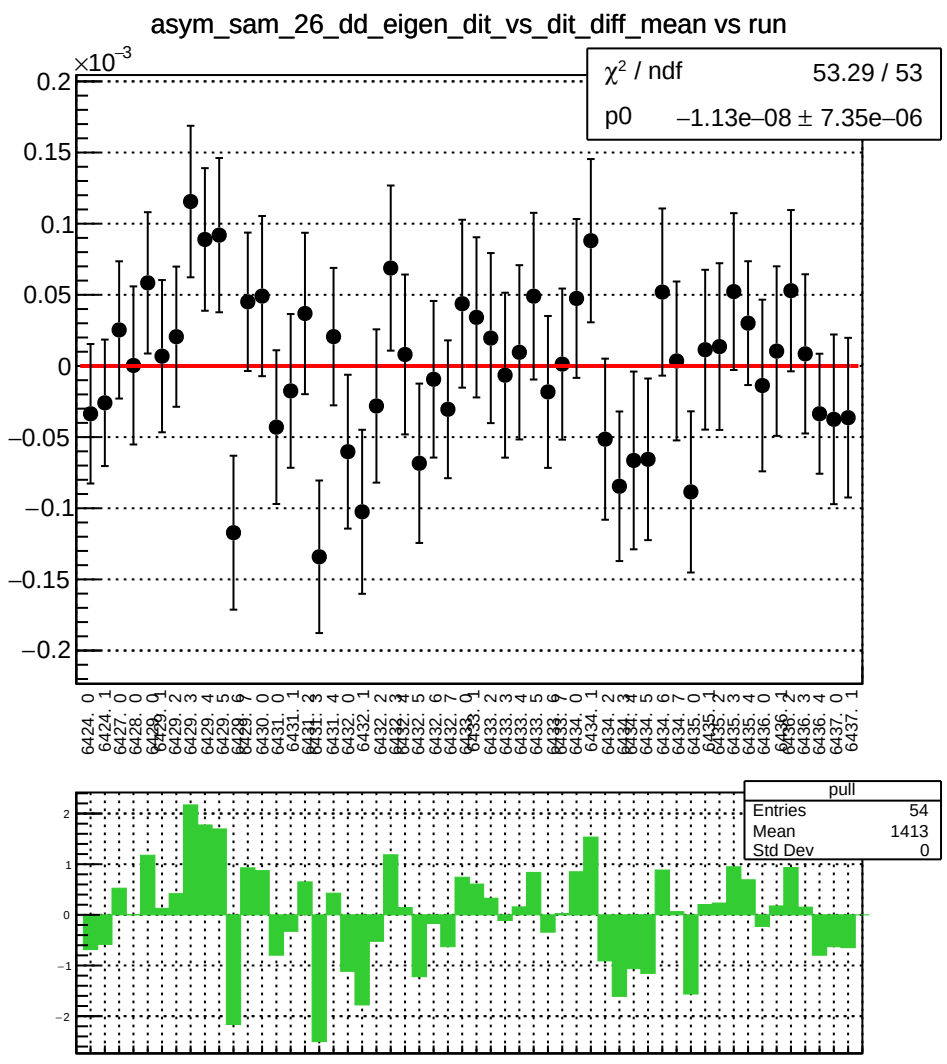
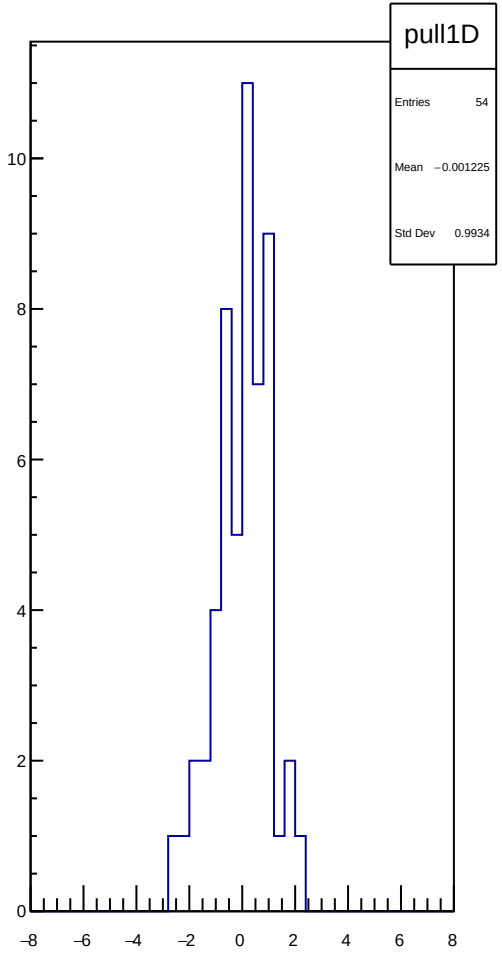
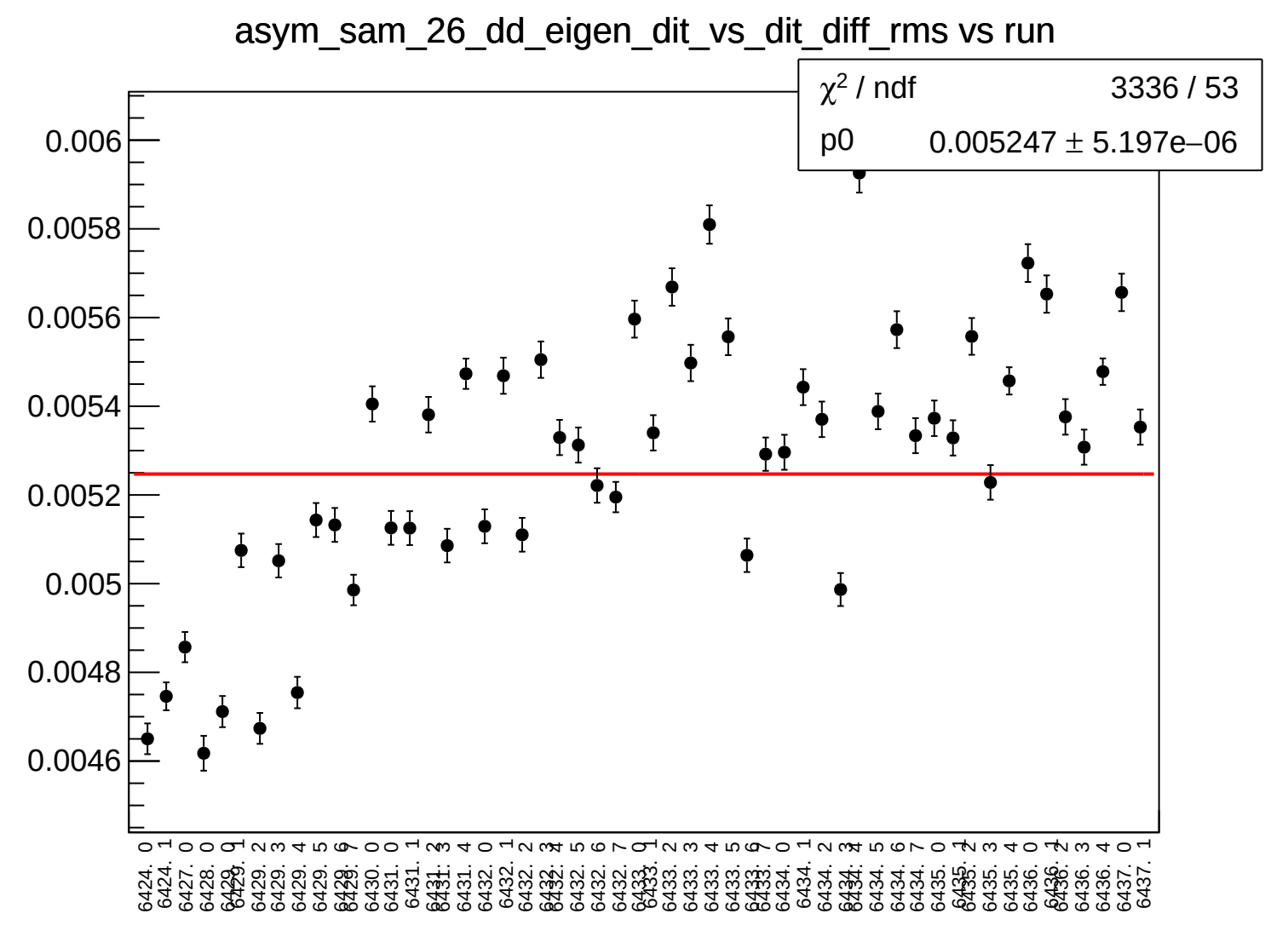
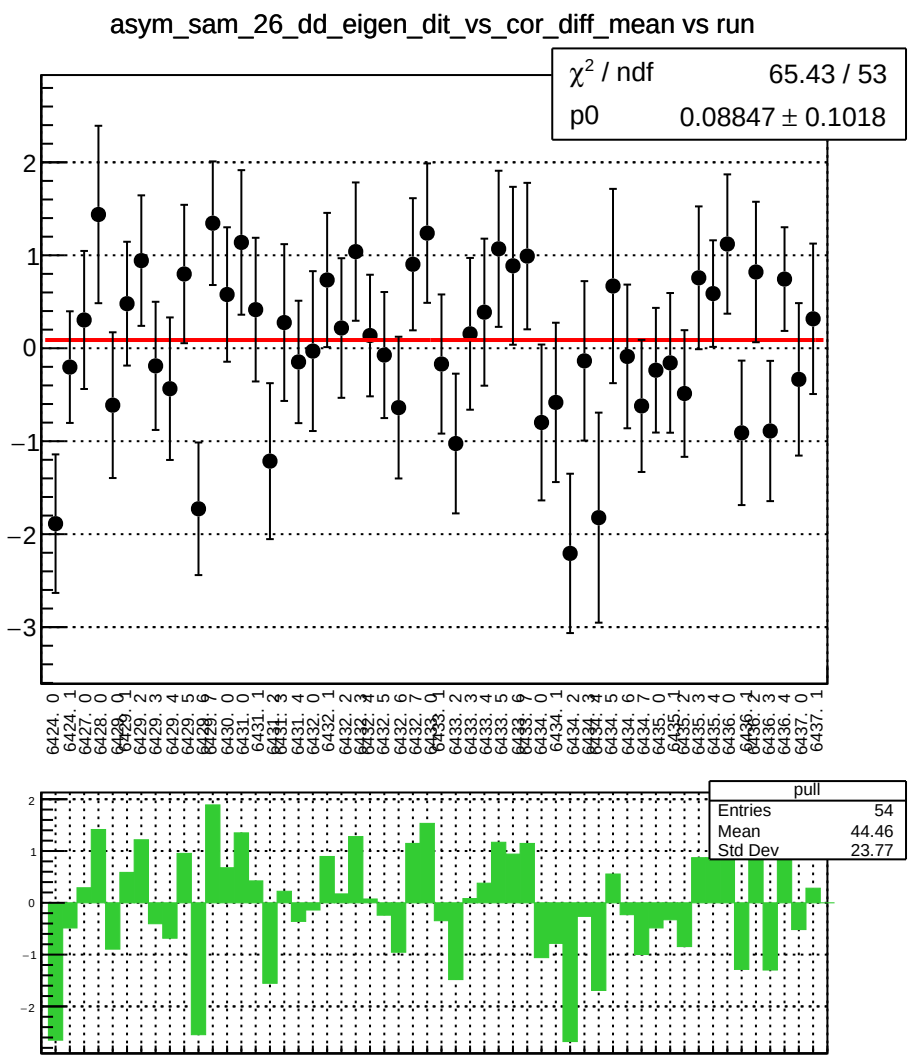
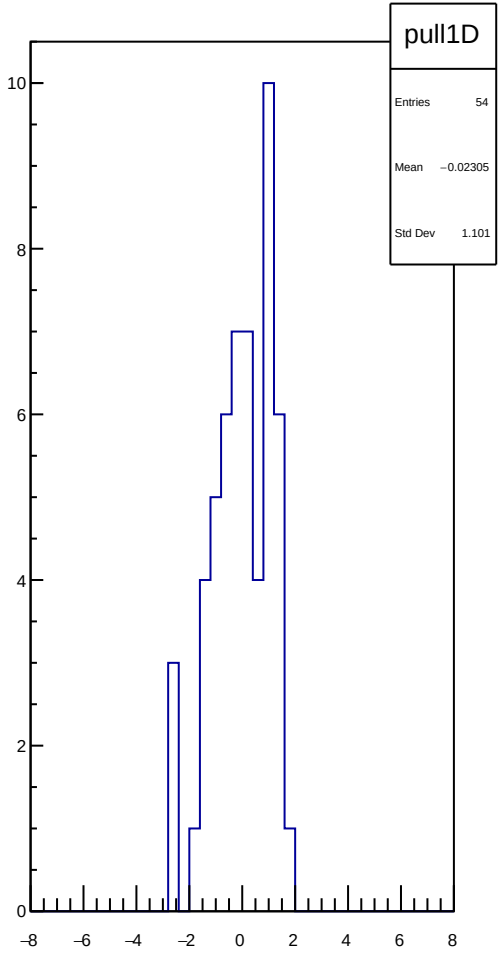
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

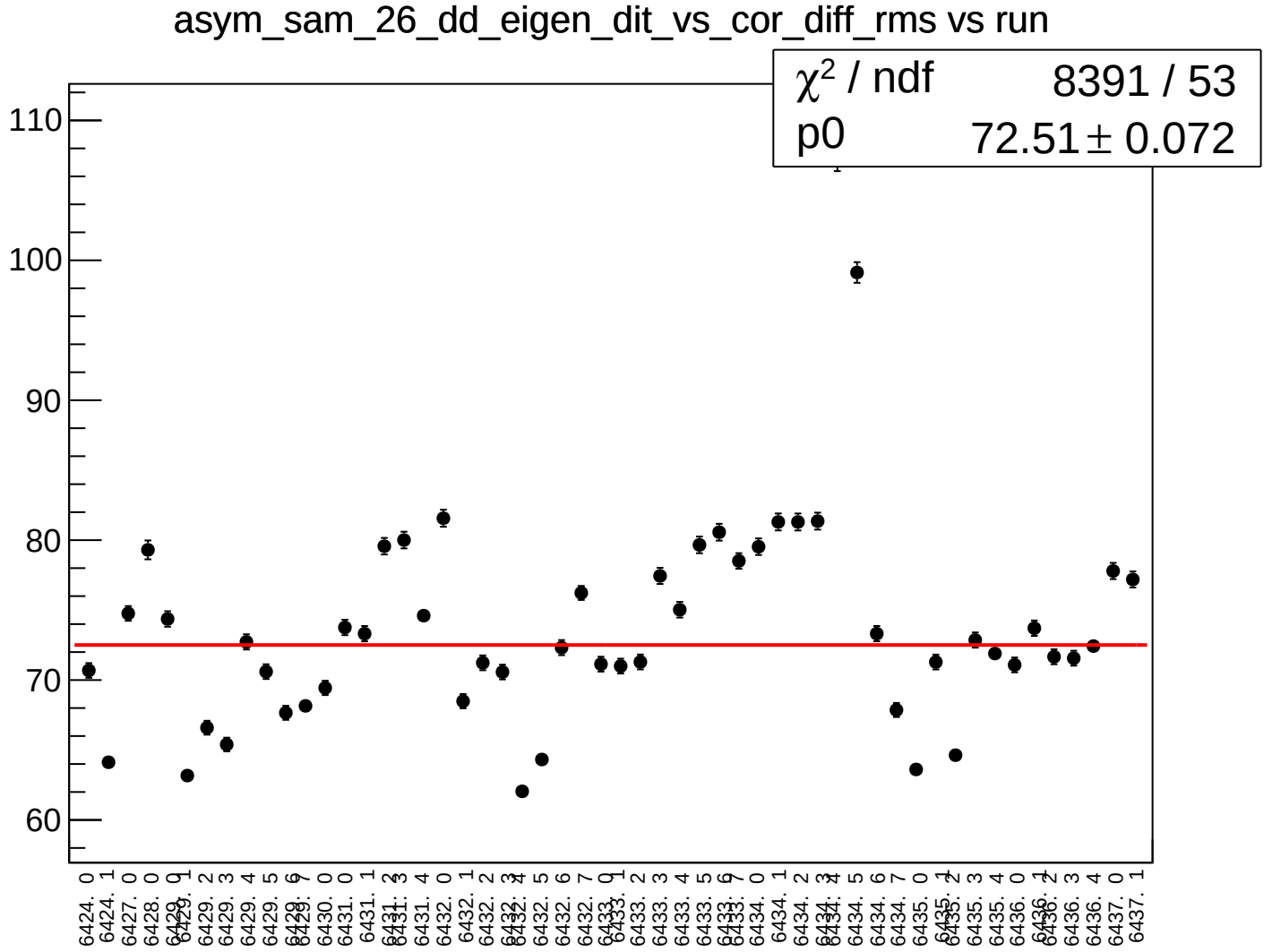

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.29 / 53
p0 −1.13e−08 ± 7.35e−06
pull
Entries 54
Mean 1413
Std Dev 0

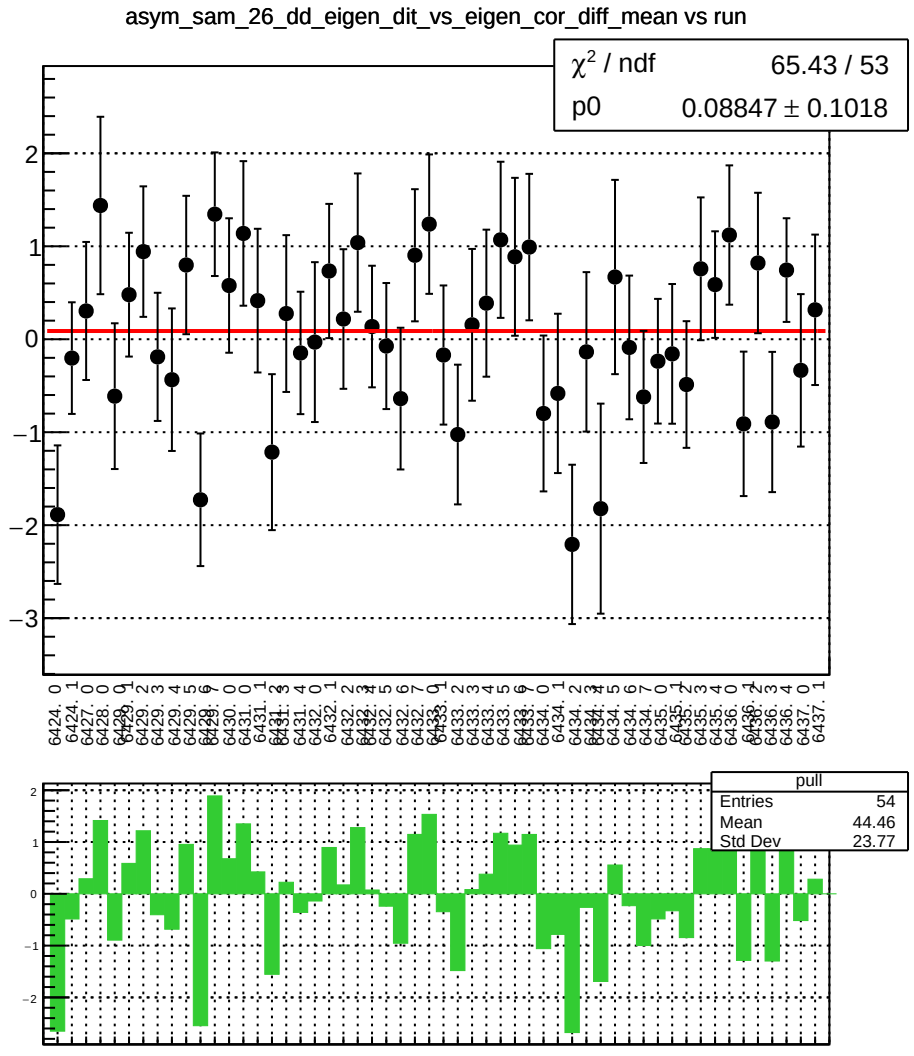

pull1D
Entries 54
Mean −0.001225
Std Dev 0.9934

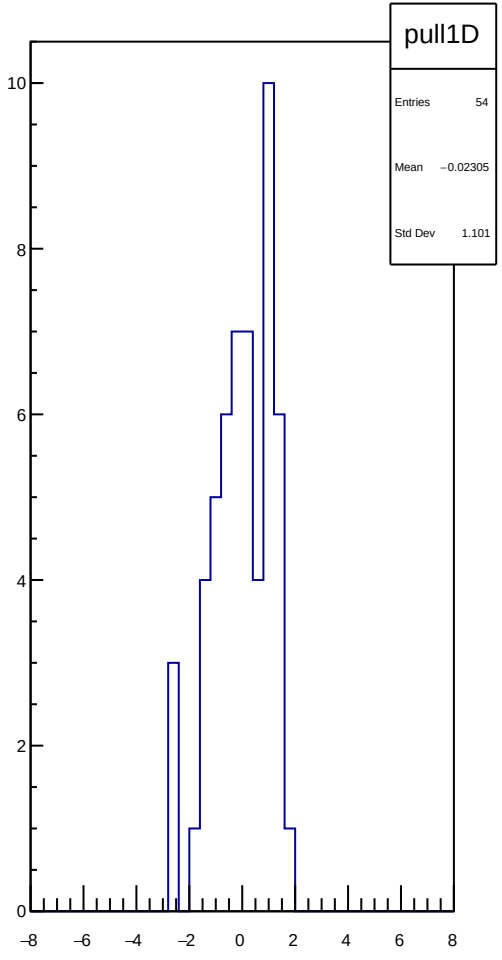

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3336 / 53
p0 0.005247 ± 5.197e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

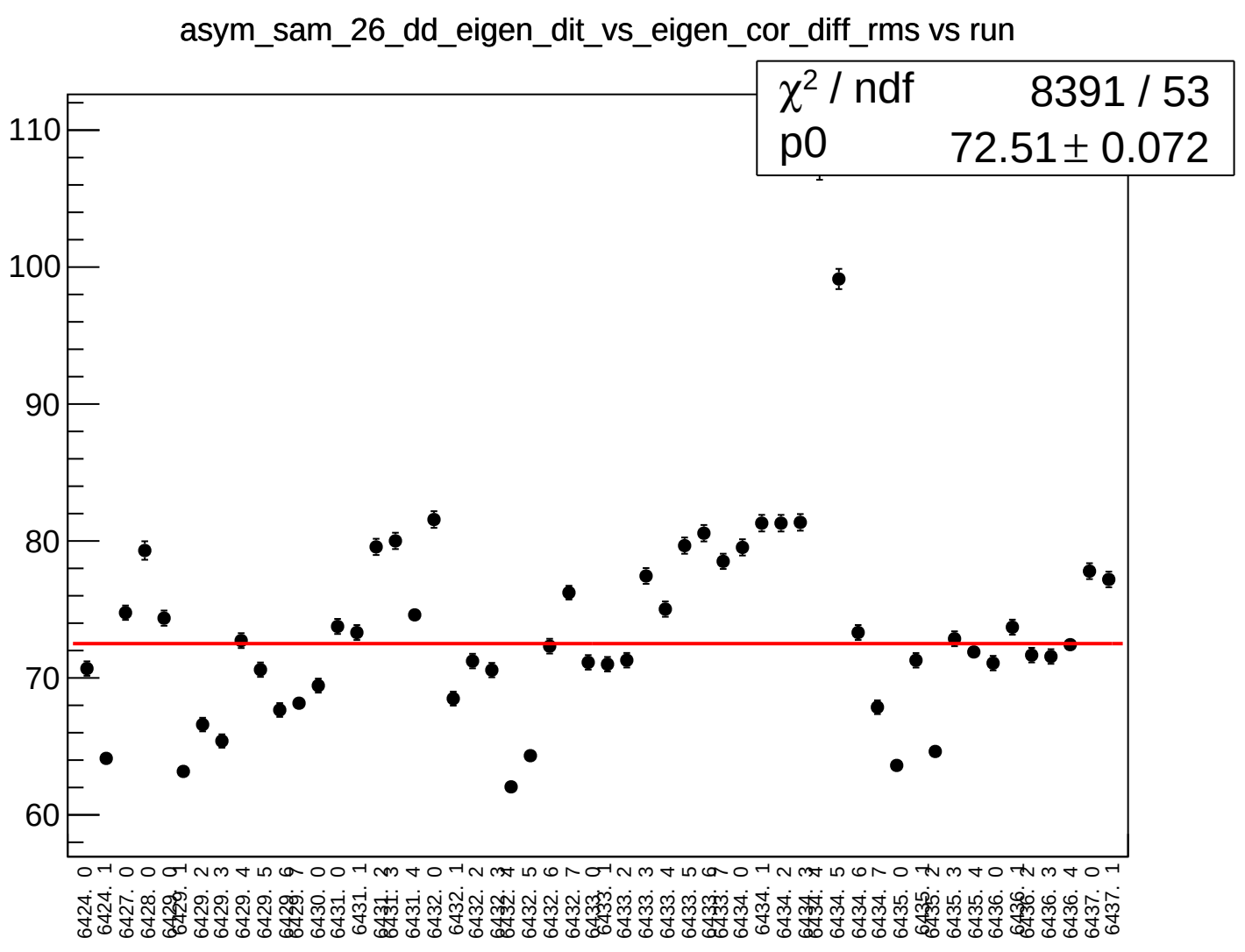

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.43 / 53
p0 0.08847 ± 0.1018
pull
Entries 54
Mean 44.46
Std Dev 23.77

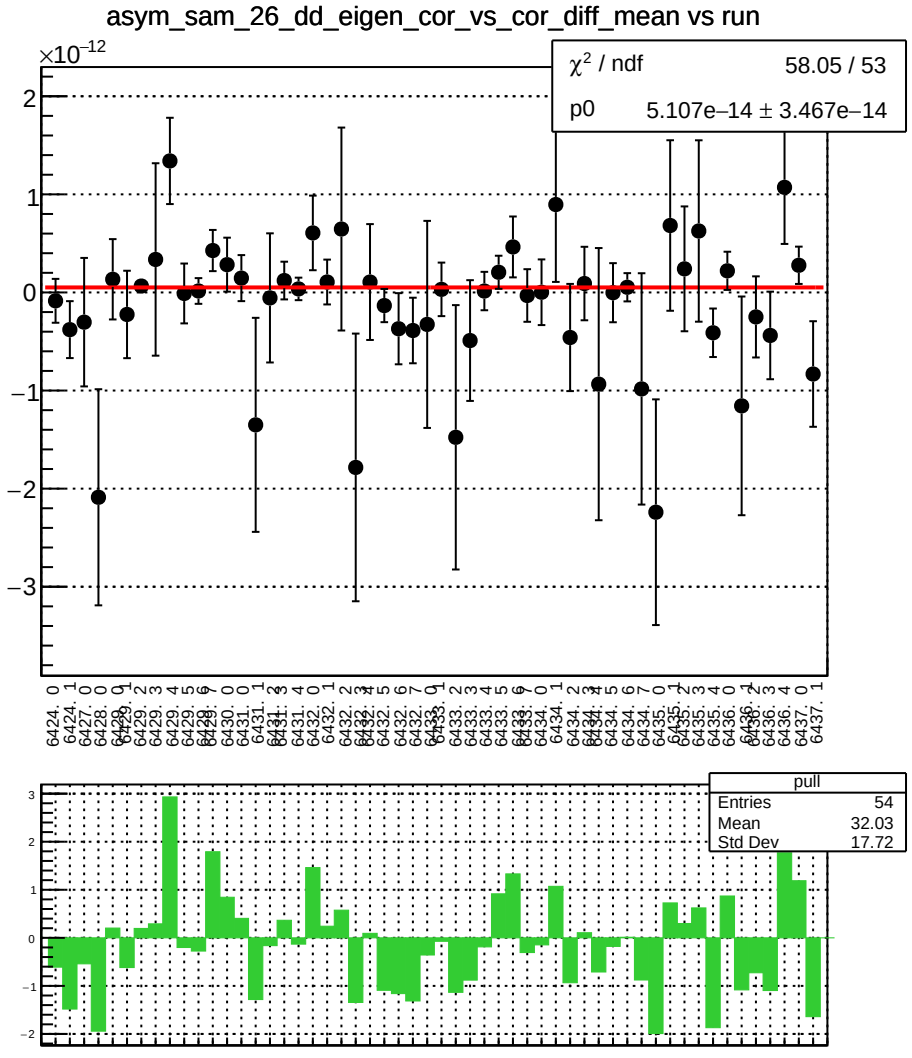

pull1D
Entries 54
Mean −0.02305
Std Dev 1.101

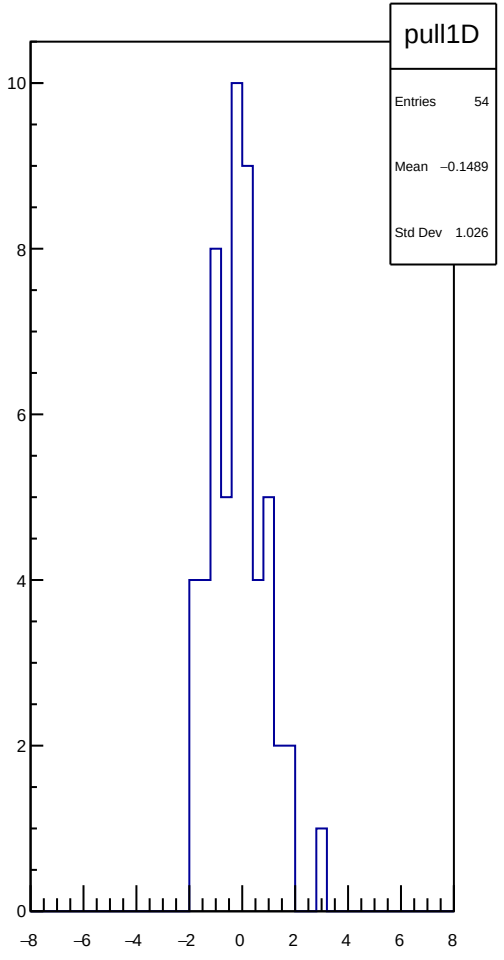

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8391 / 53
p0 72.51 ± 0.072
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

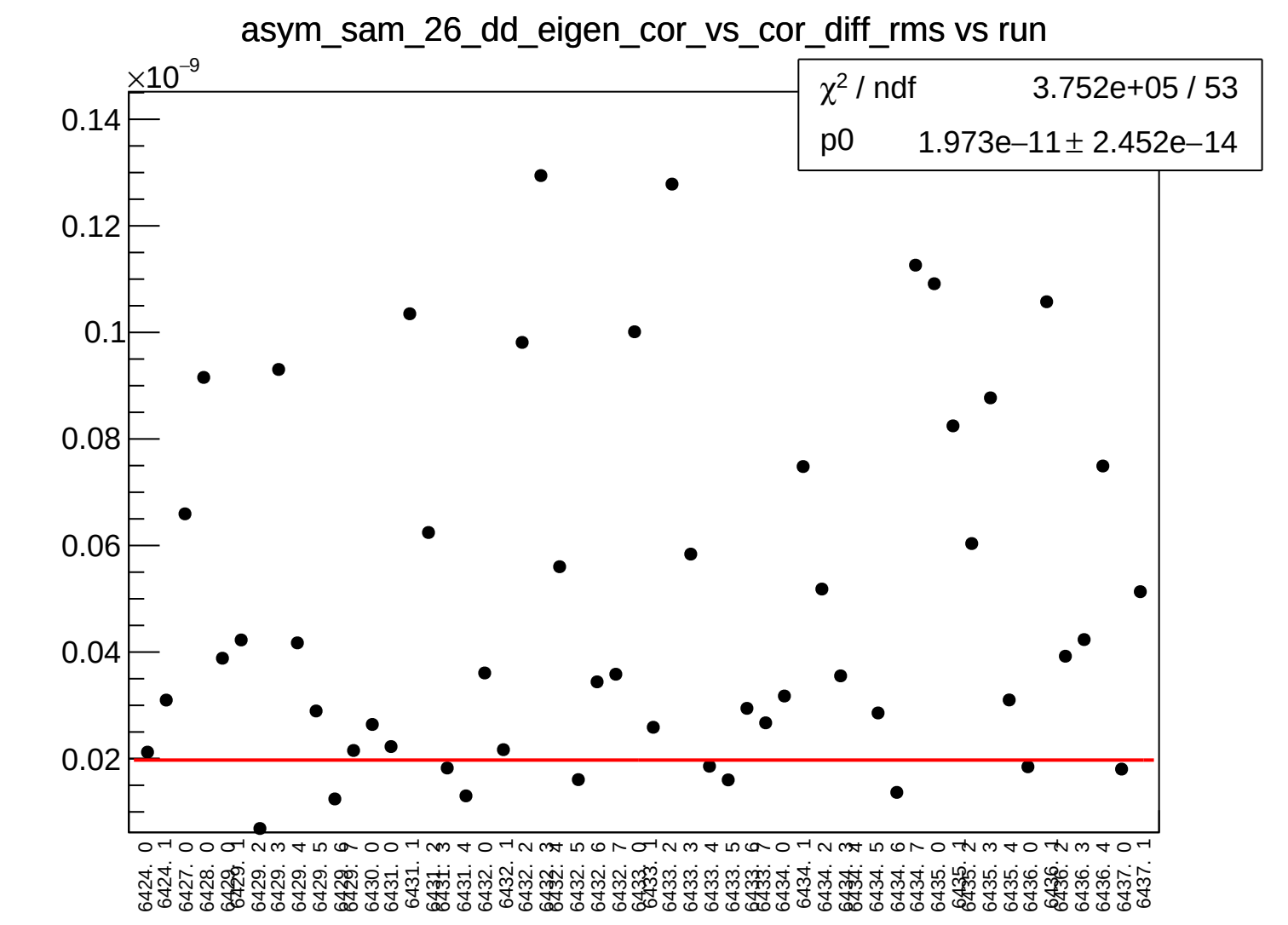

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.43 / 53
p0 0.08847 ± 0.1018
pull
Entries 54
Mean 44.46
Std Dev 23.77

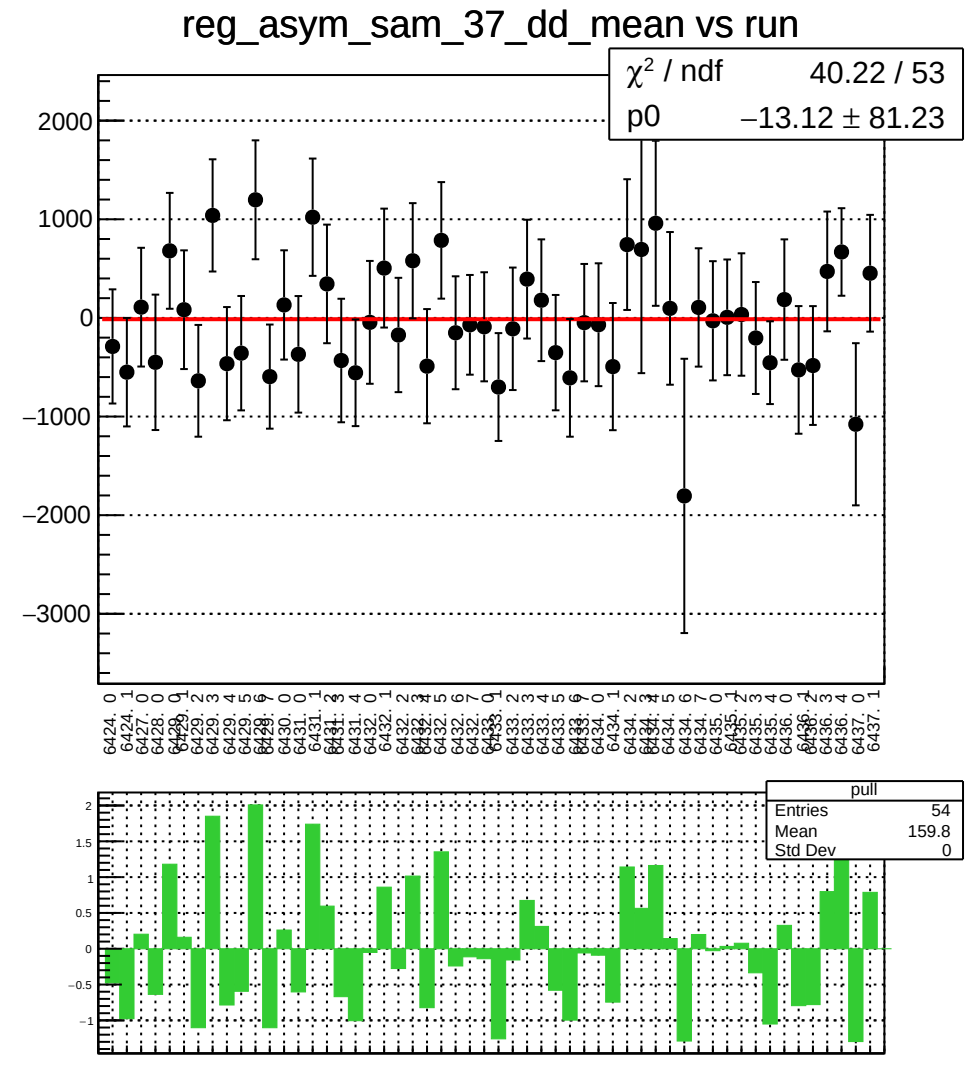

pull1D
Entries 54
Mean −0.02305
Std Dev 1.101

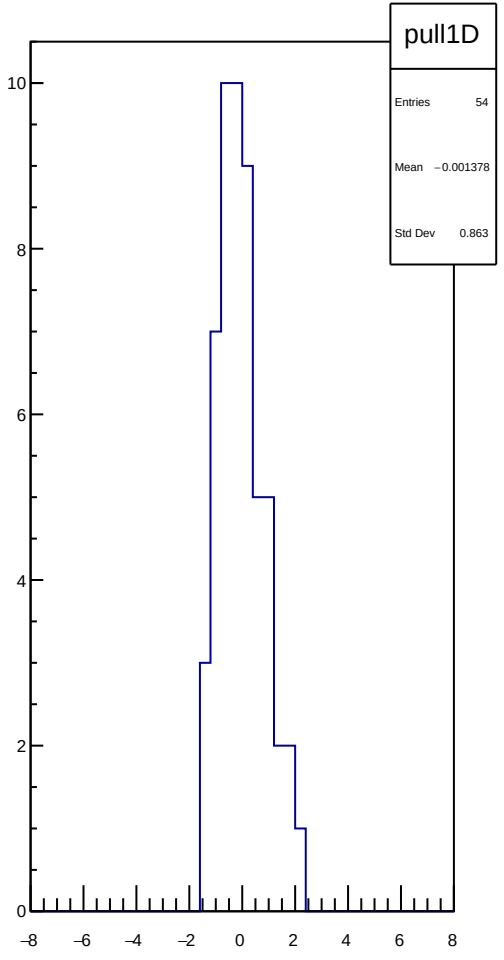

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8391 / 53
p0 72.51 ± 0.072
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

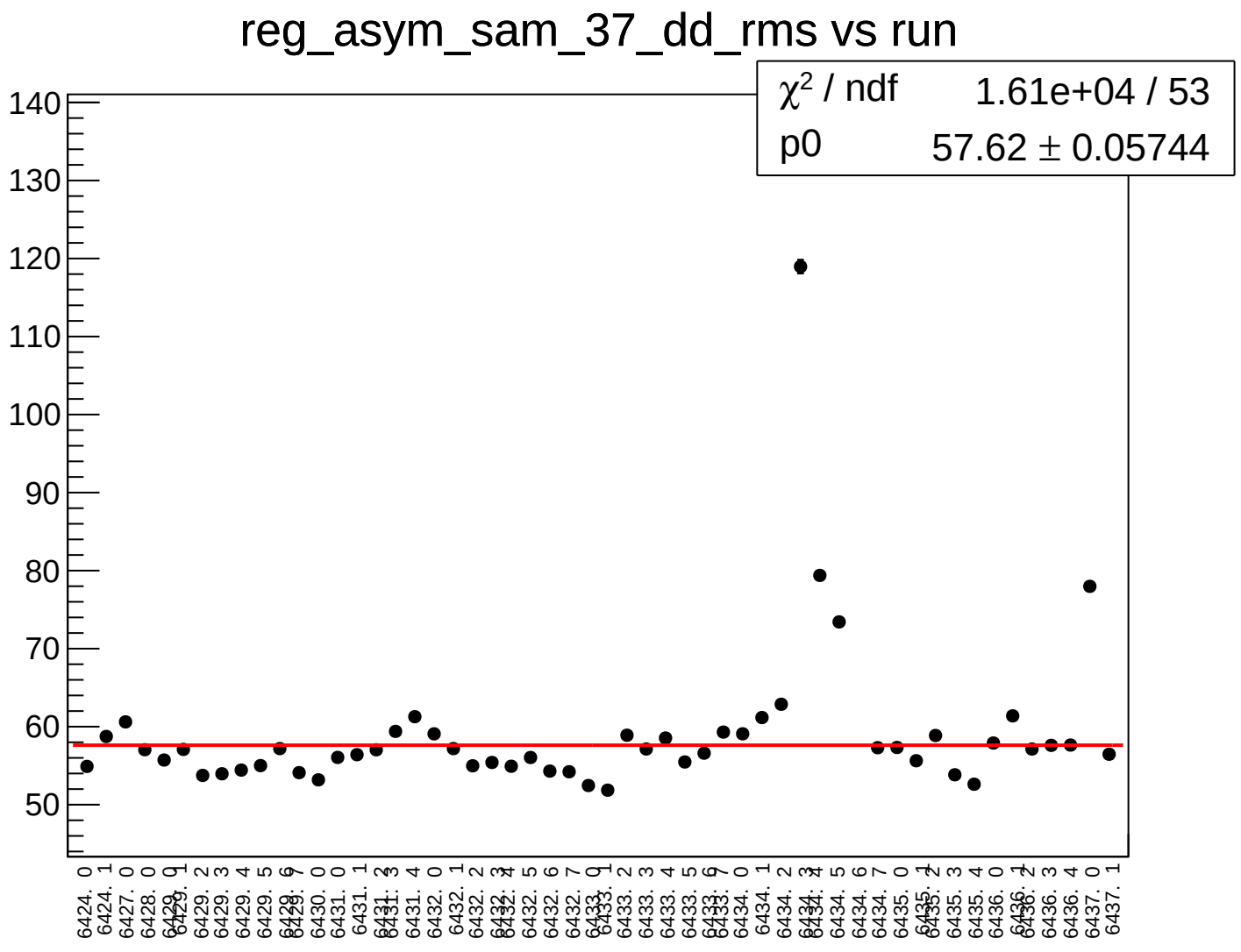

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.05 / 53
p0 5.107e−14 ± 3.467e−14
pull
Entries 54
Mean 32.03
Std Dev 17.72

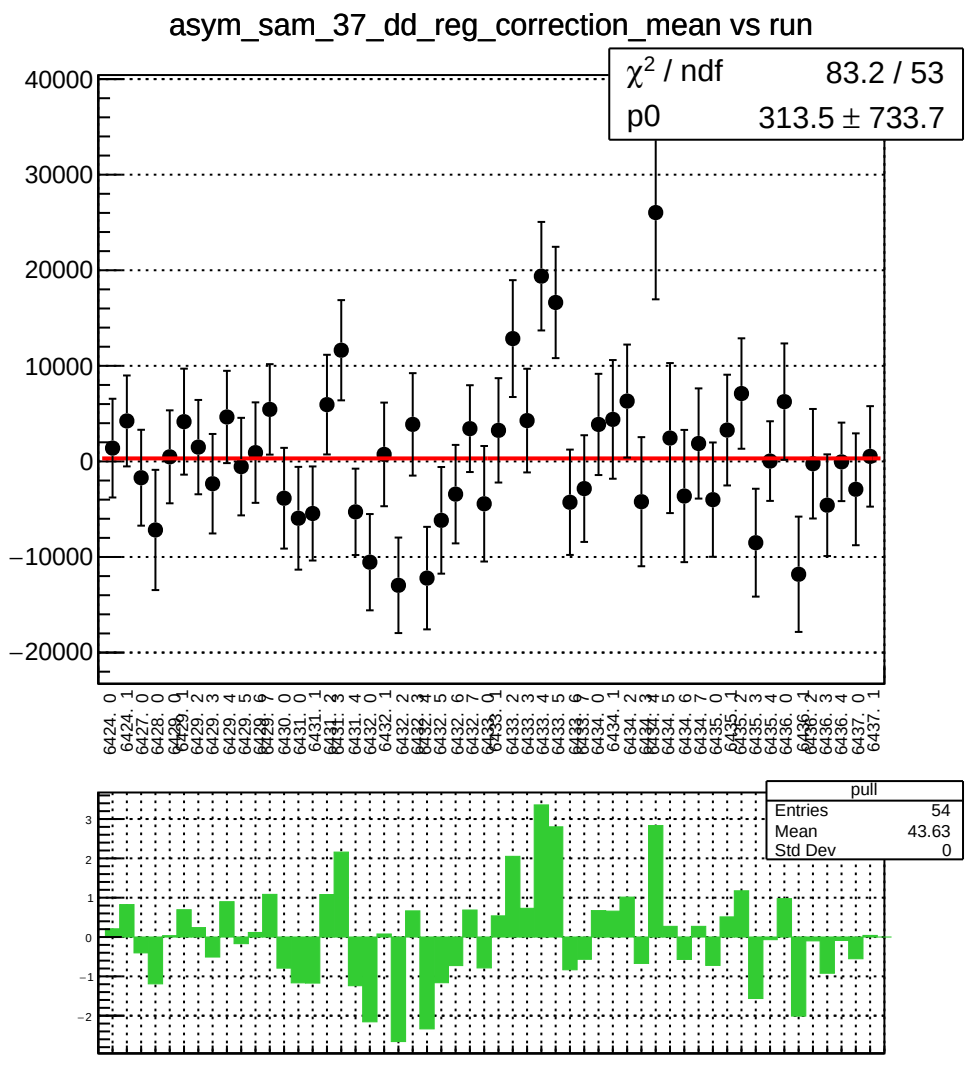

pull1D
Entries 54
Mean −0.1489
Std Dev 1.026

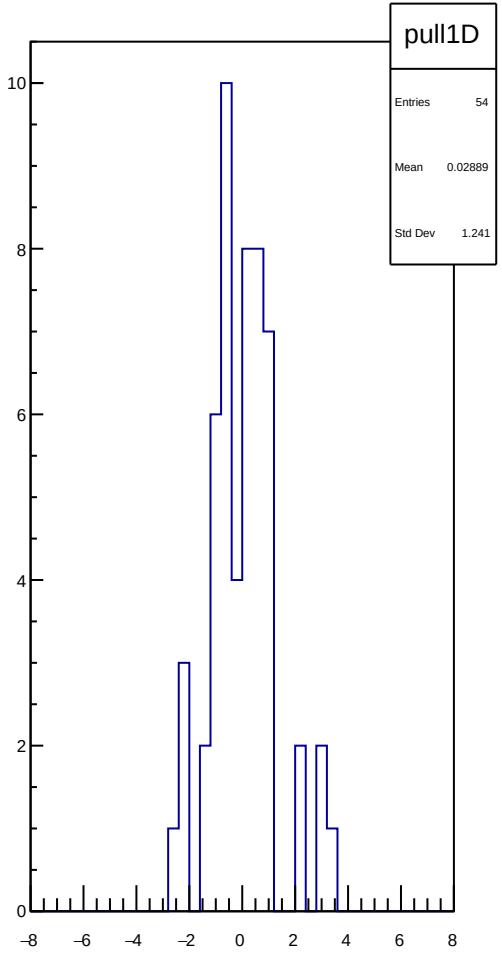

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.752e+05 / 53
p0 1.973e−11 ± 2.452e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

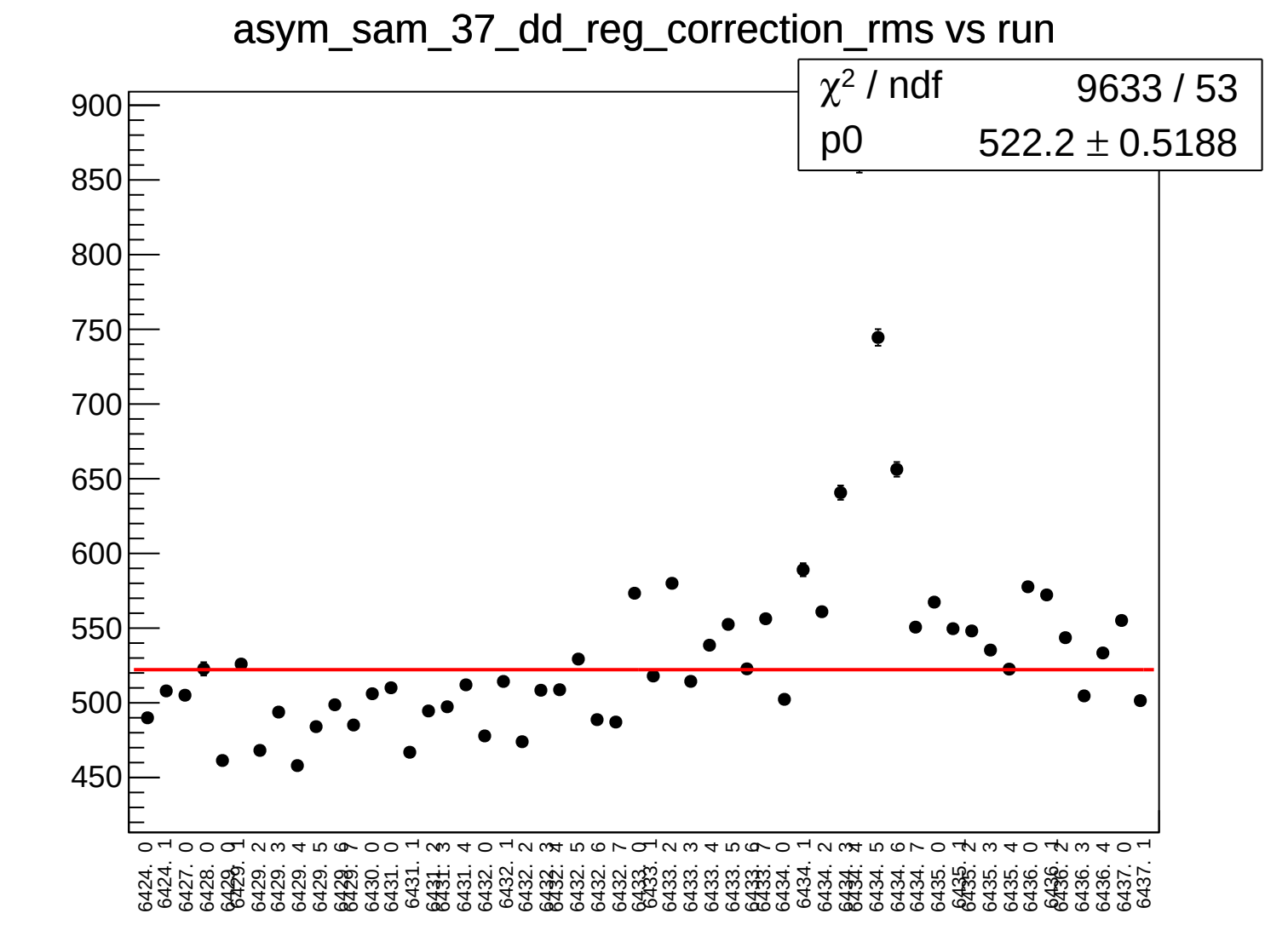

reg_asym_sam_37_dd_mean vs run
χ² / ndf 40.22 / 53
p0 −13.12 ± 81.23
pull
Entries 54
Mean 159.8
Std Dev 0

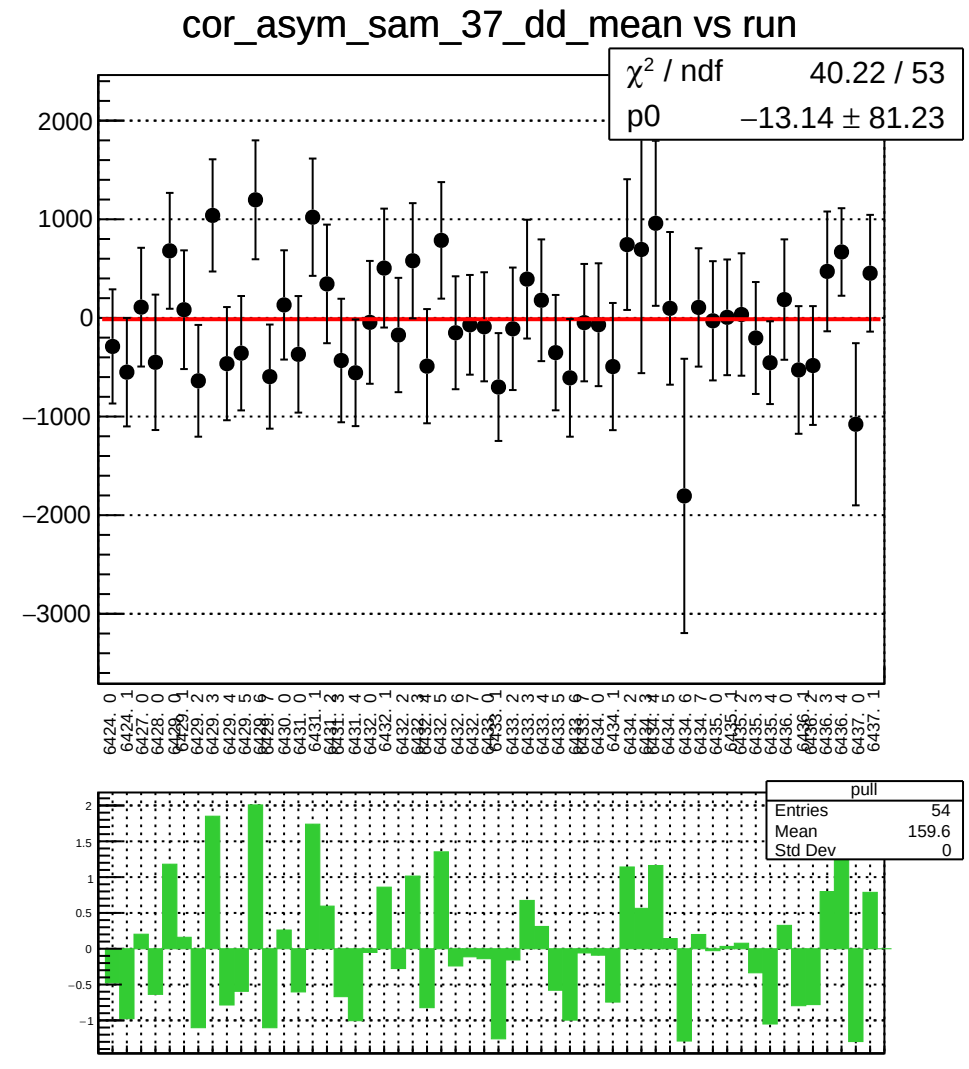

pull1D
Entries 54
Mean −0.001378
Std Dev 0.863

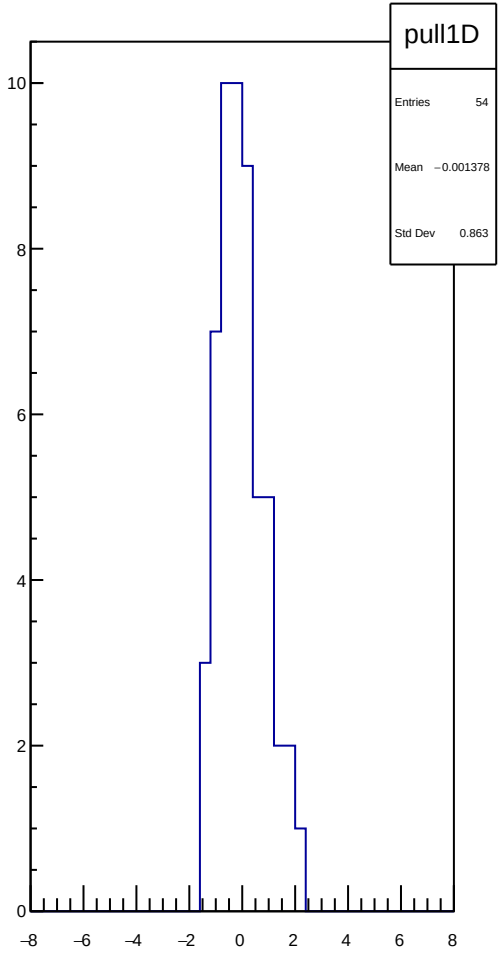

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.61e+04 / 53
p0 57.62 ± 0.05744
140
130
120
110
100
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

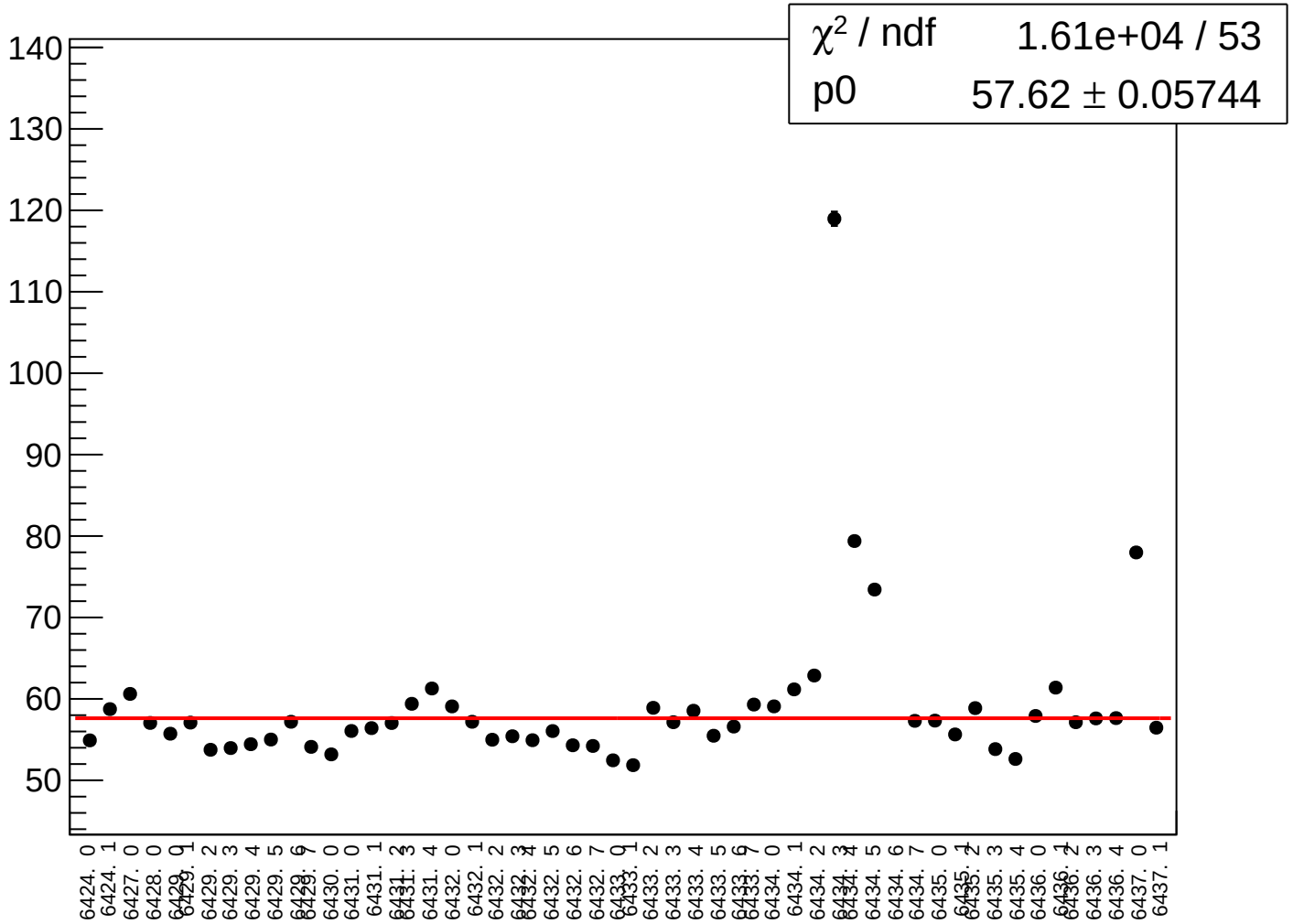

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 83.2 / 53
p0 313.5 ± 733.7
pull
Entries 54
Mean 43.63
Std Dev 0

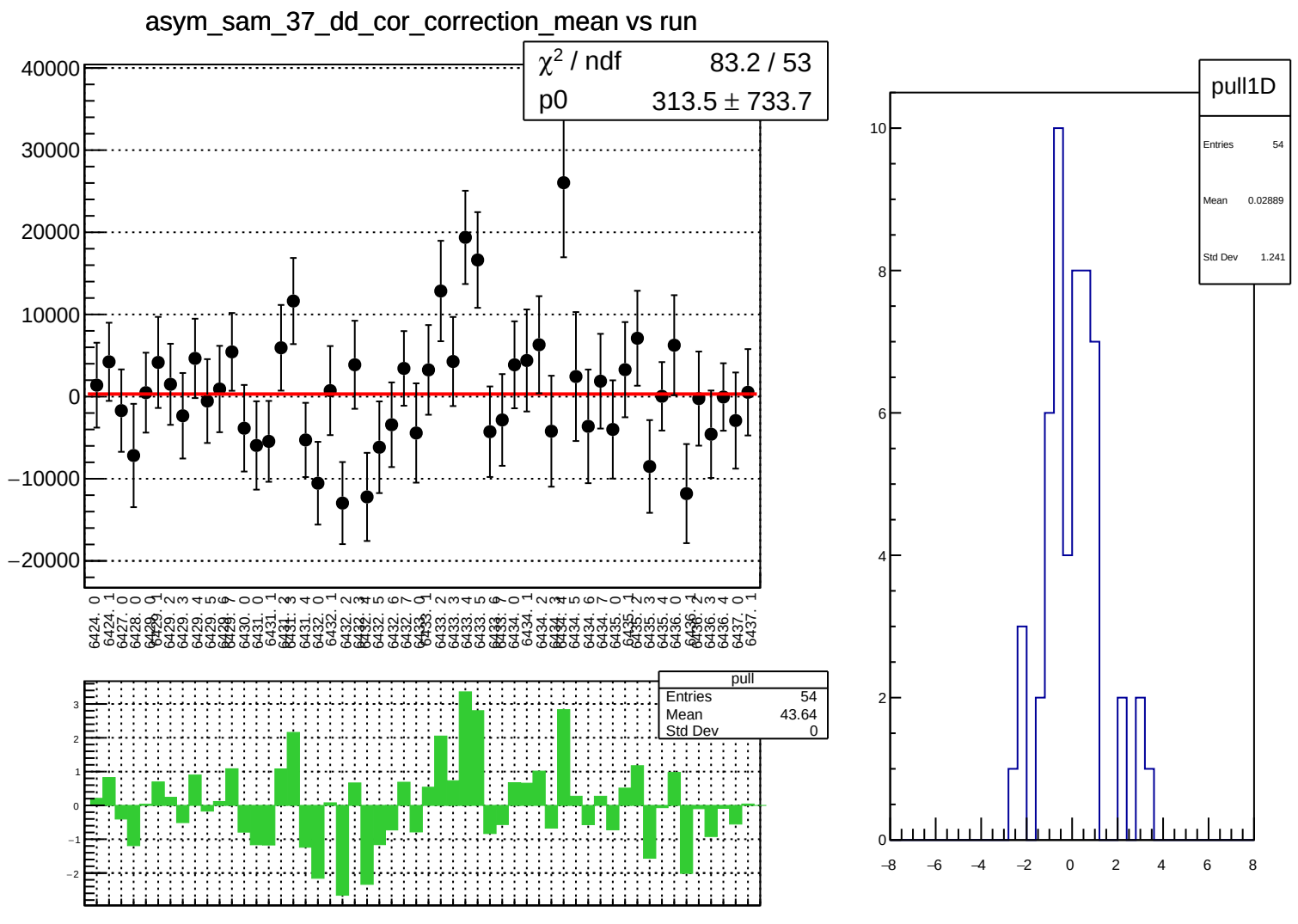

pull1D
Entries 54
Mean 0.02889
Std Dev 1.241

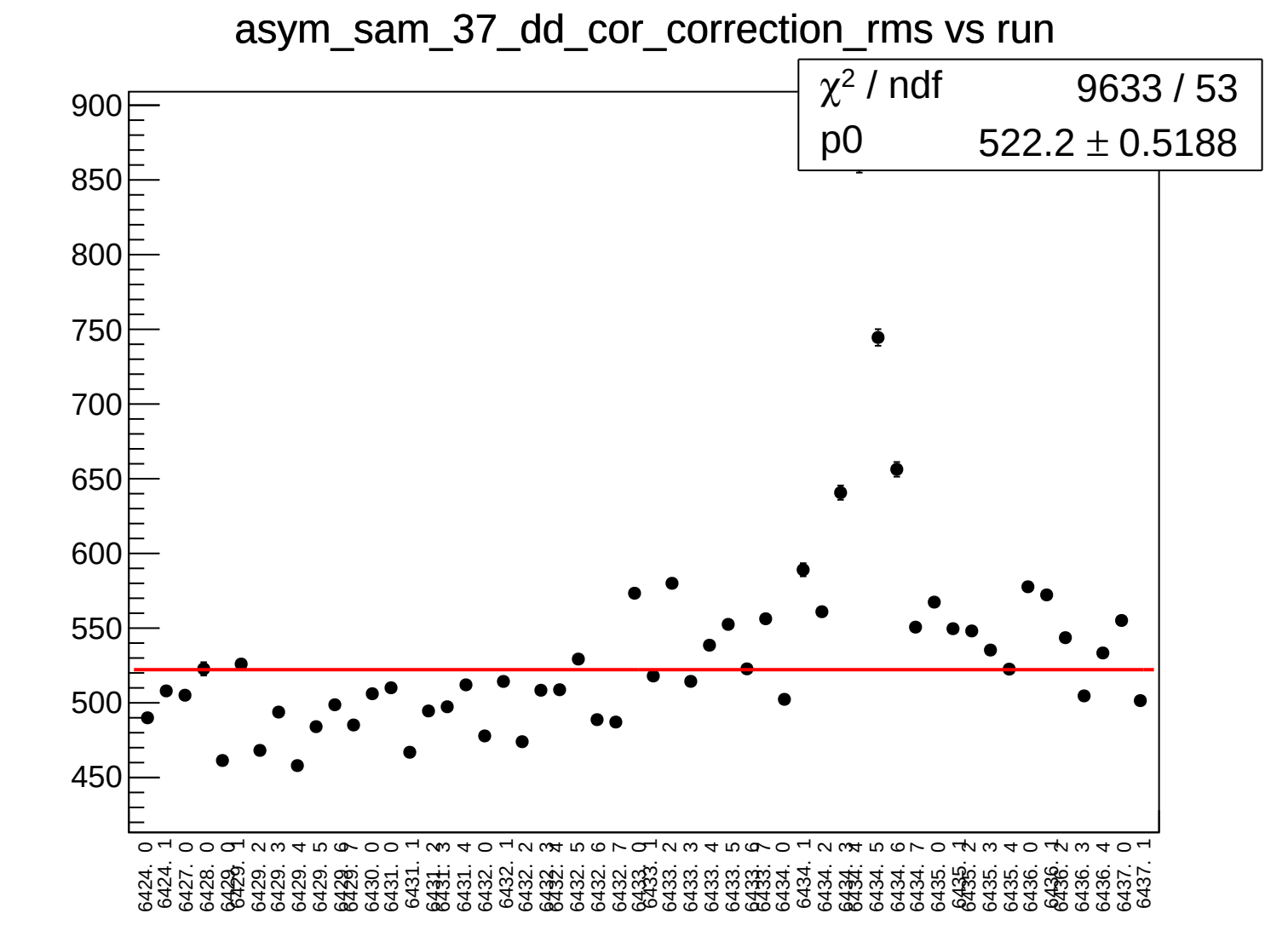

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 9633 / 53
p0 522.2 ± 0.5188
900
850
800
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

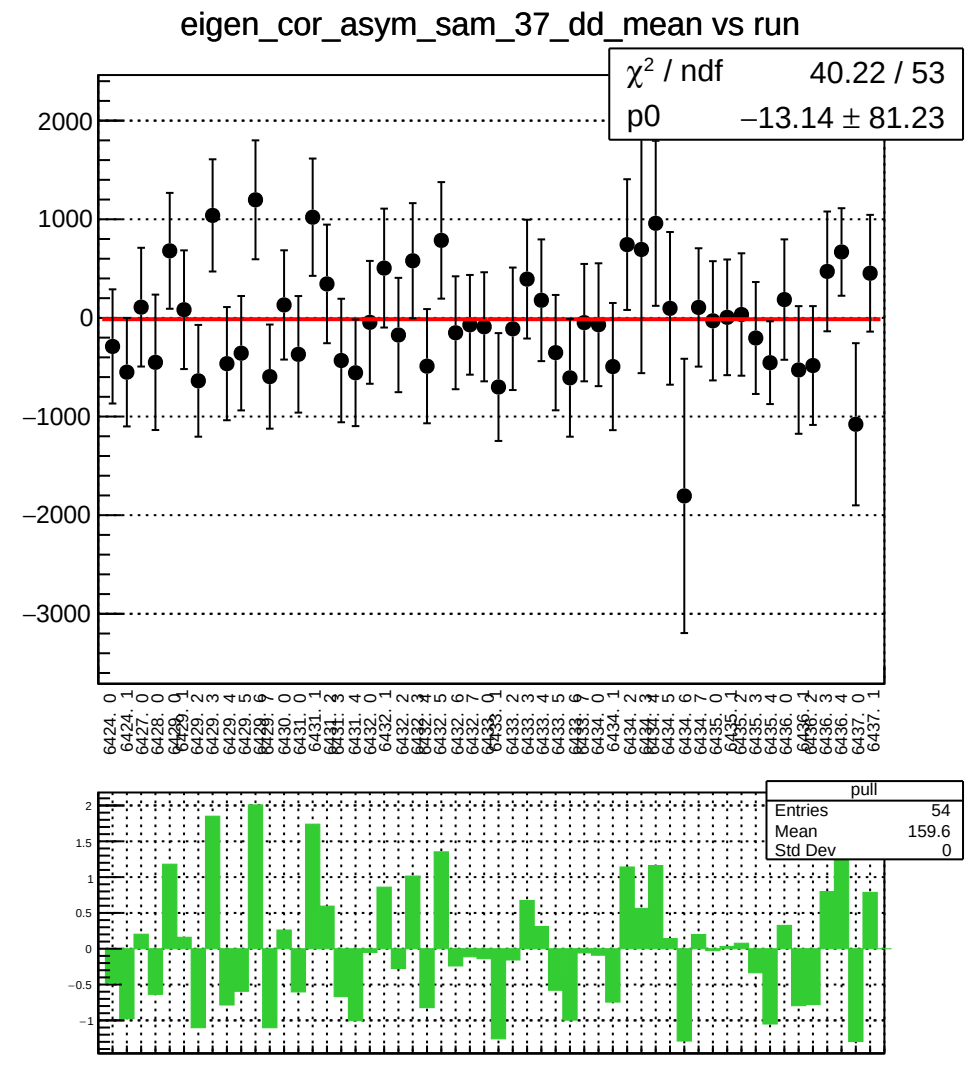

cor_asym_sam_37_dd_mean vs run
χ² / ndf 40.22 / 53
p0 −13.14 ± 81.23
pull
Entries 54
Mean 159.6
Std Dev 0

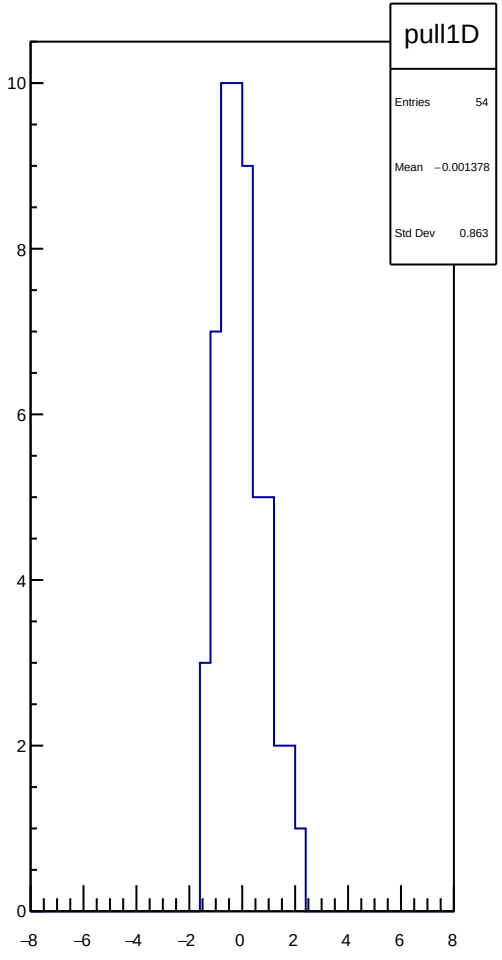

pull1D
Entries 54
Mean −0.001378
Std Dev 0.863

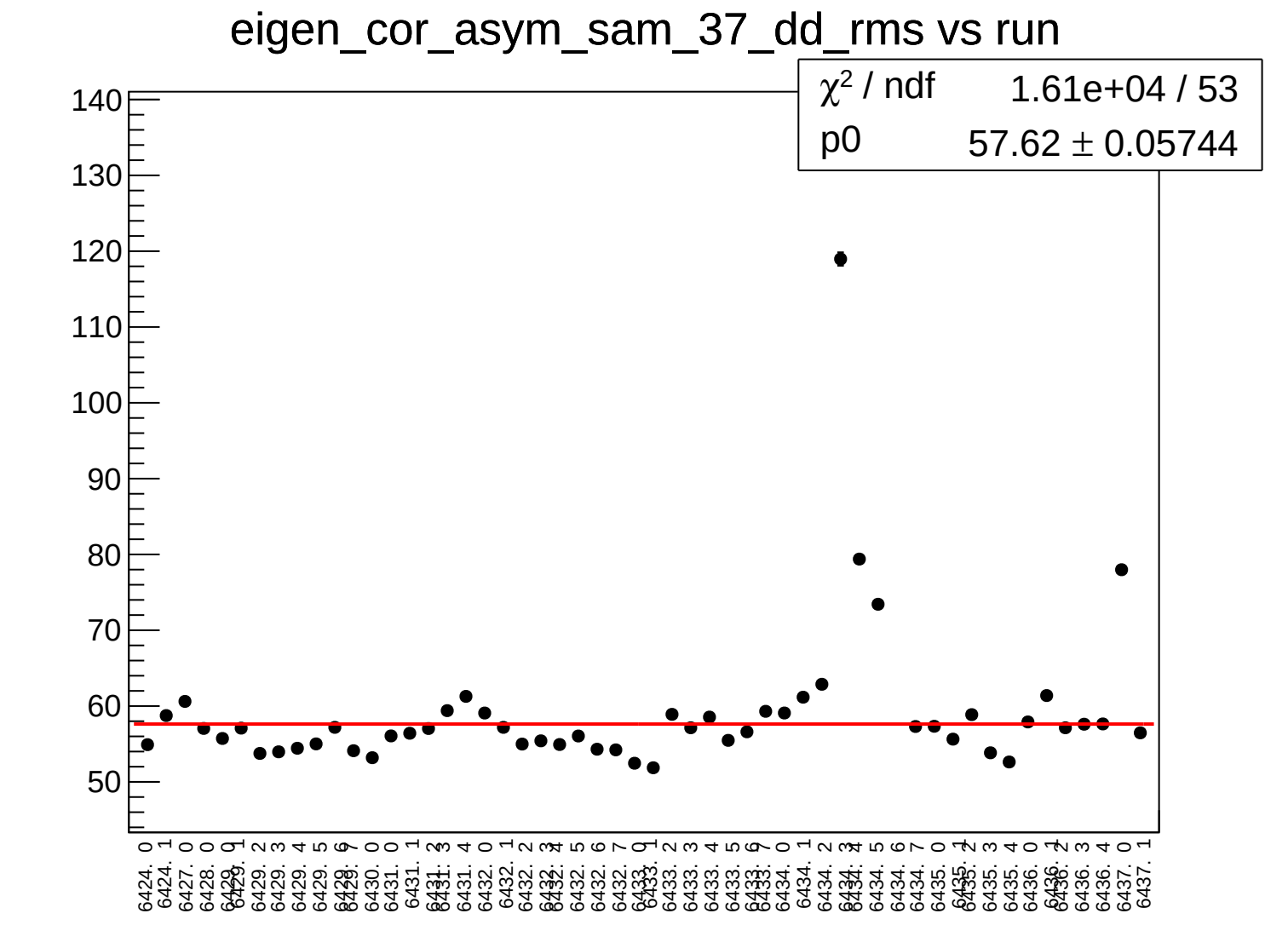

cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.61e+04 / 53
p0 57.62 ± 0.05744
140
130
120
110
100
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 83.2 / 53
p0 313.5 ± 733.7
pull
Entries 54
Mean 43.64
Std Dev 0
pull1D
Entries 54
Mean 0.02889
Std Dev 1.241


asym_sam_37_dd_cor_correction_rms vs run
χ^2 / ndf 9633 / 53
p0 522.2 ± 0.5188
900
850
800
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 40.22 / 53
p0 −13.14 ± 81.23
pull
Entries 54
Mean 159.6
Std Dev 0


pull1D
Entries 54
Mean −0.001378
Std Dev 0.863


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.61e+04 / 53
p0 57.62 ± 0.05744
140
130
120
110
100
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6433. 5
6434. 0
6434. 1
6434. 2
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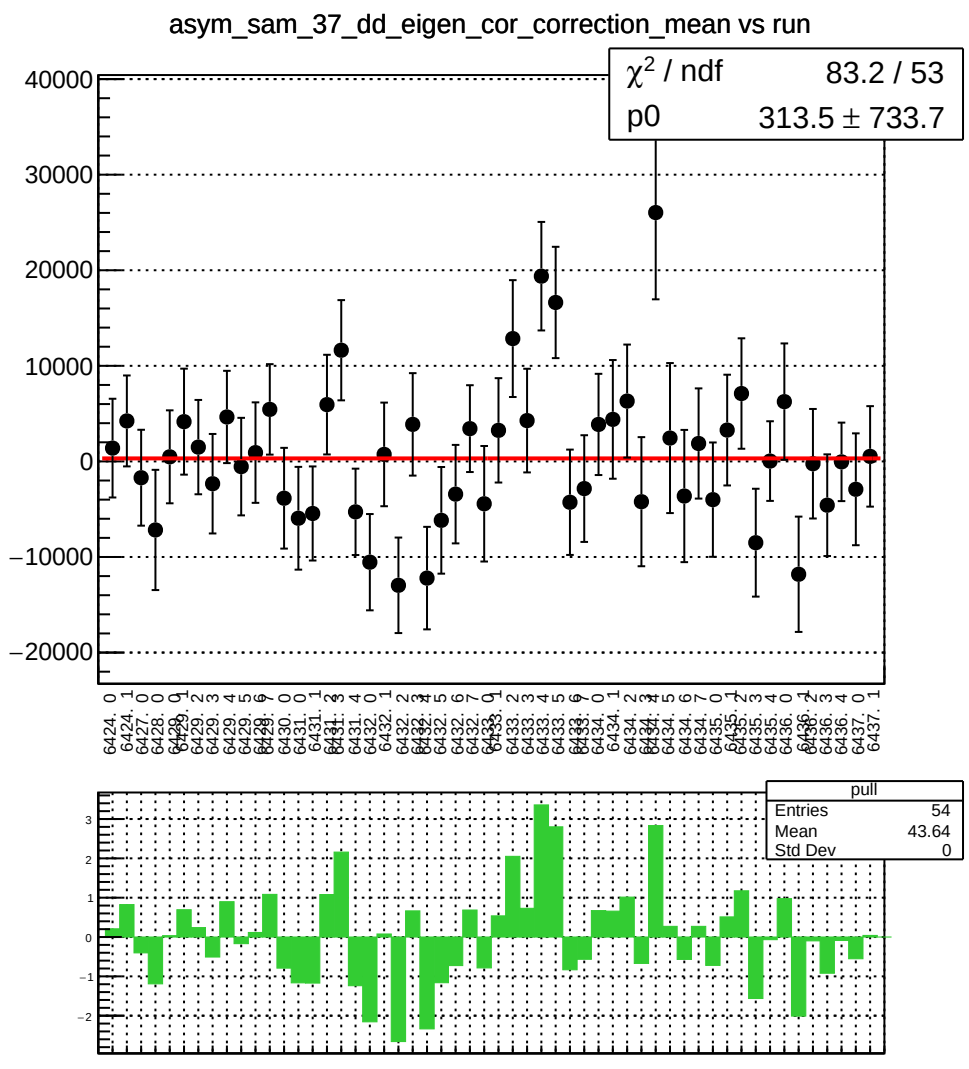
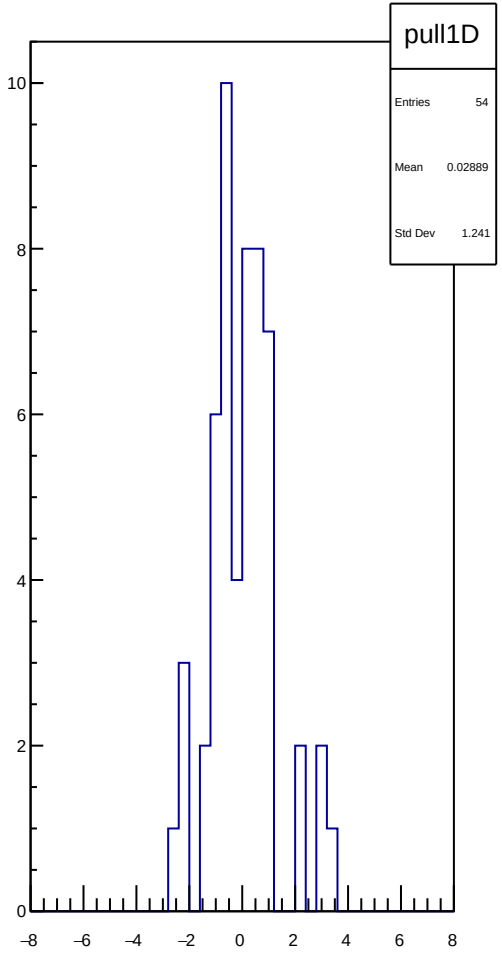
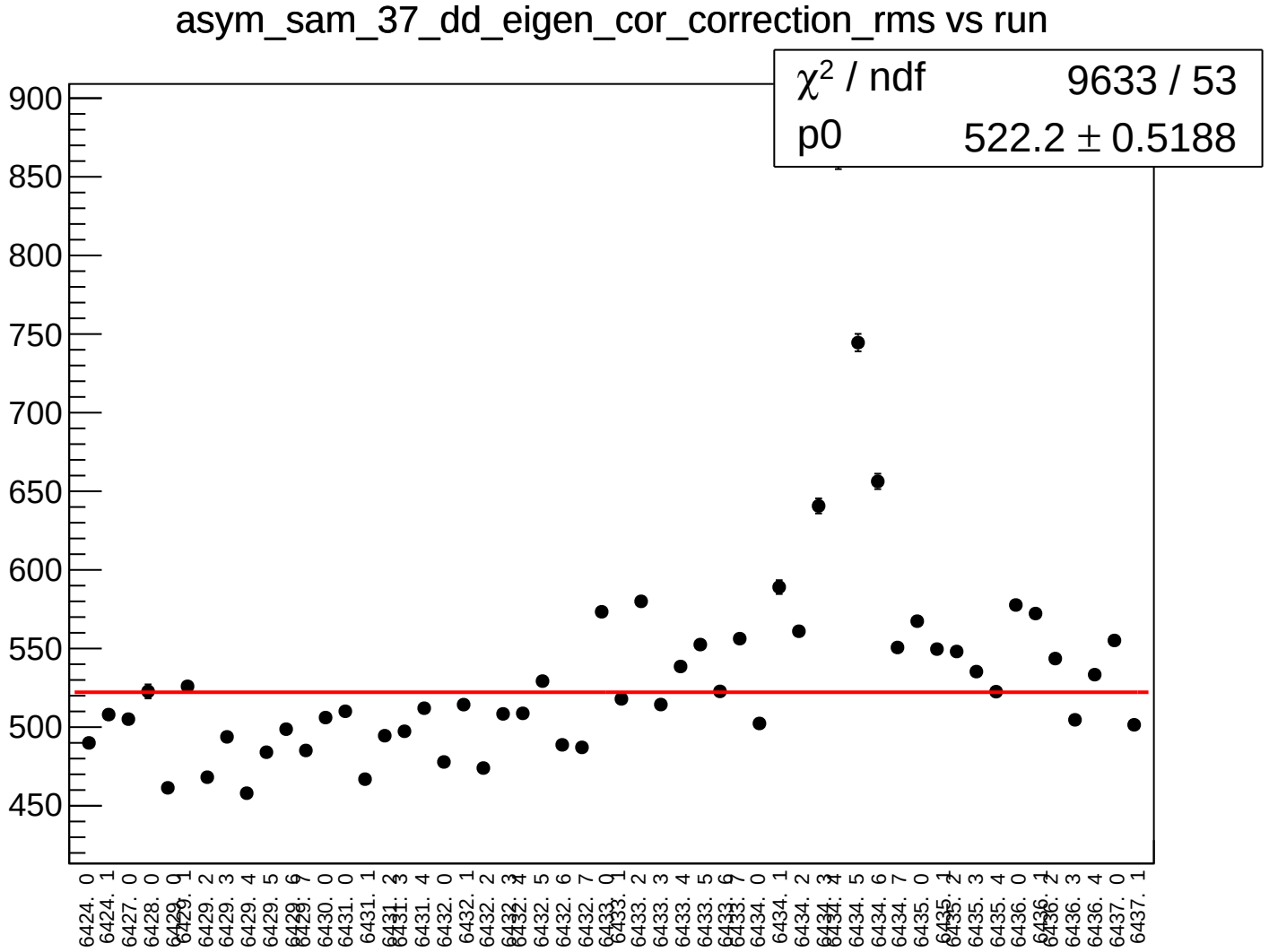
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.2 / 53
p0 313.5 ± 733.7
pull
Entries 54
Mean 43.64
Std Dev 0


pull1D
Entries 54
Mean 0.02889
Std Dev 1.241


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 9633 / 53
p0 522.2 ± 0.5188
900
850
800
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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6435. 0
6435. 3
6435. 4
6436. 0
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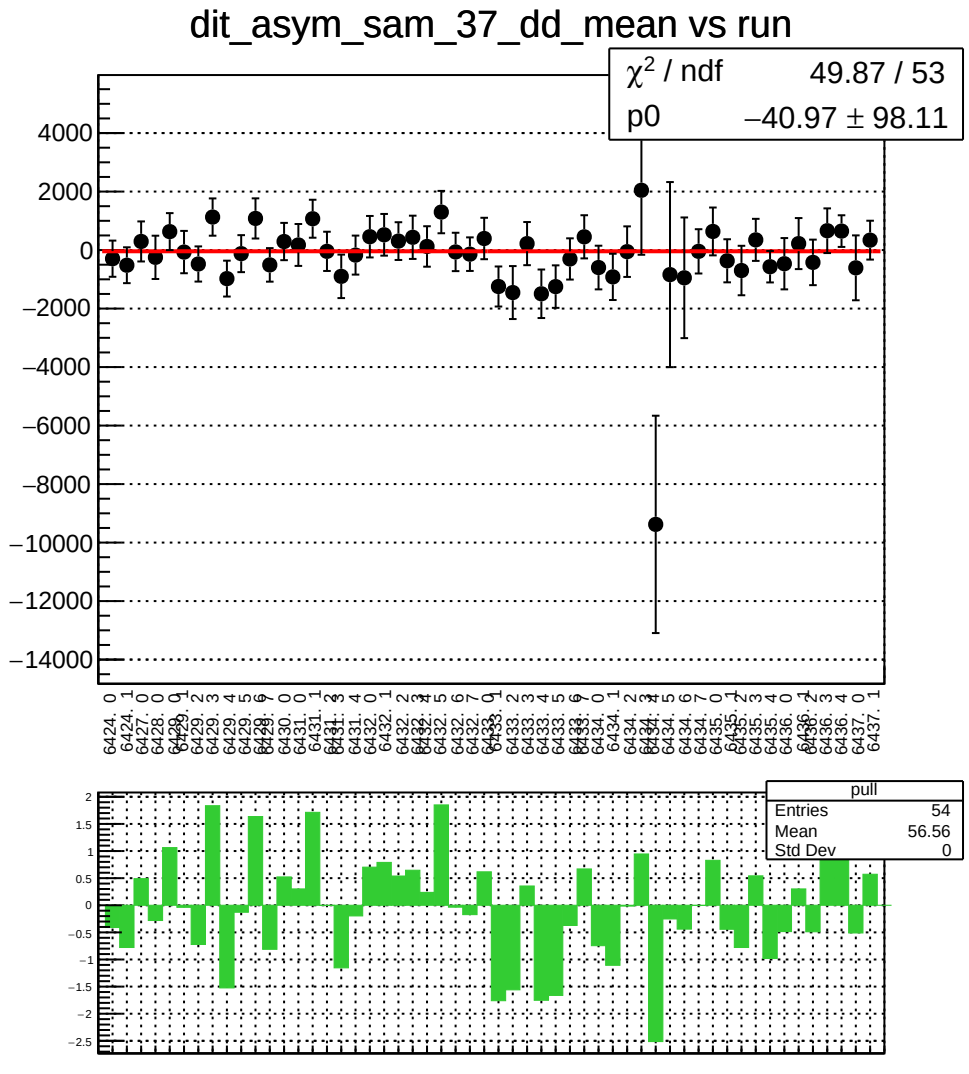
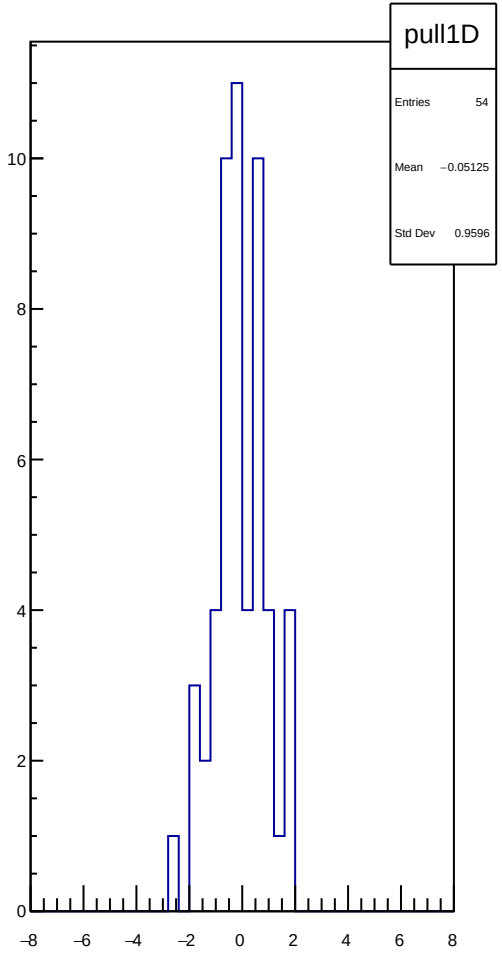
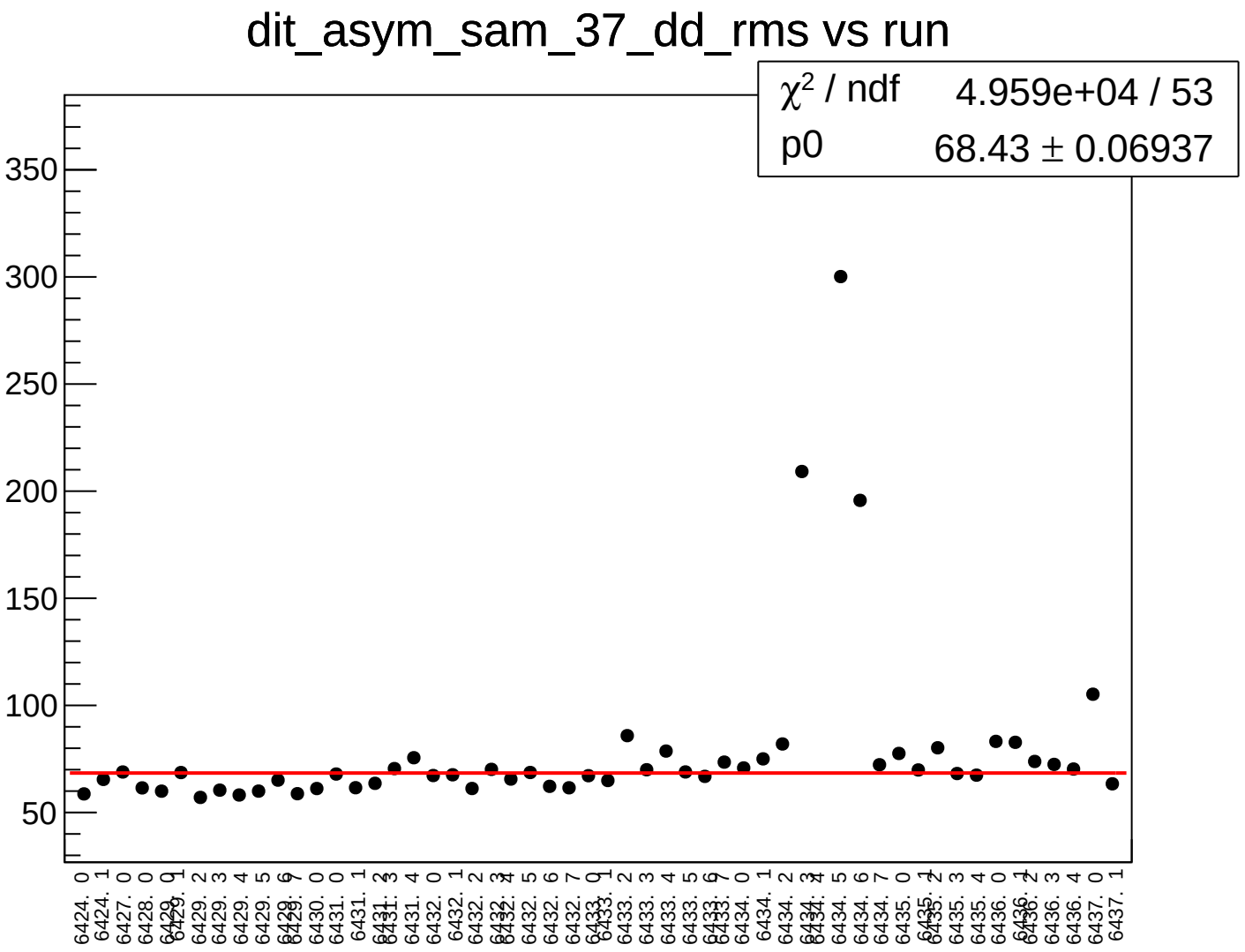
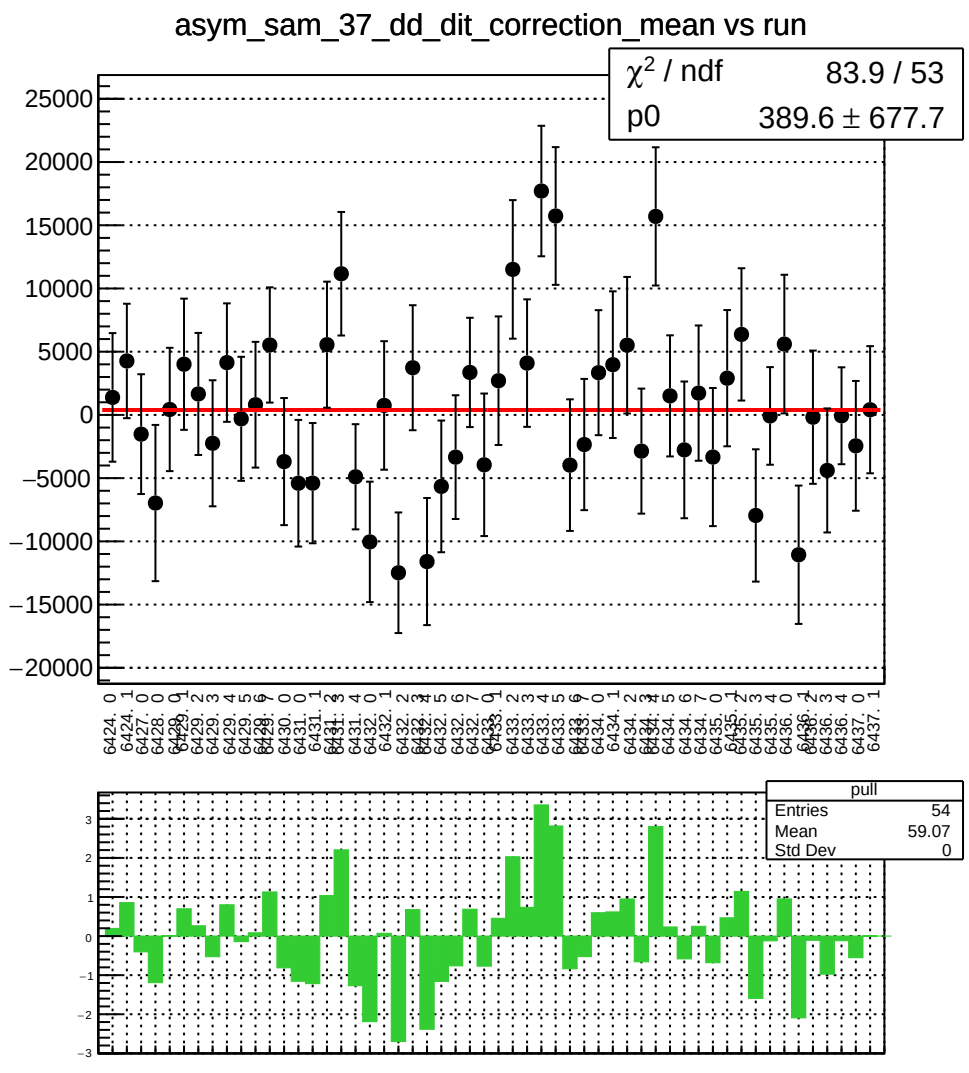
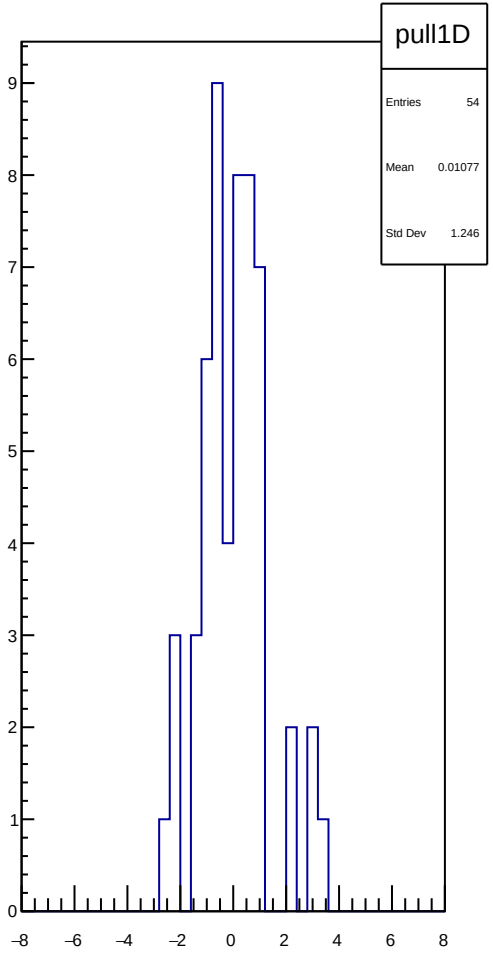
6436. 4
6437. 0
6437. 1

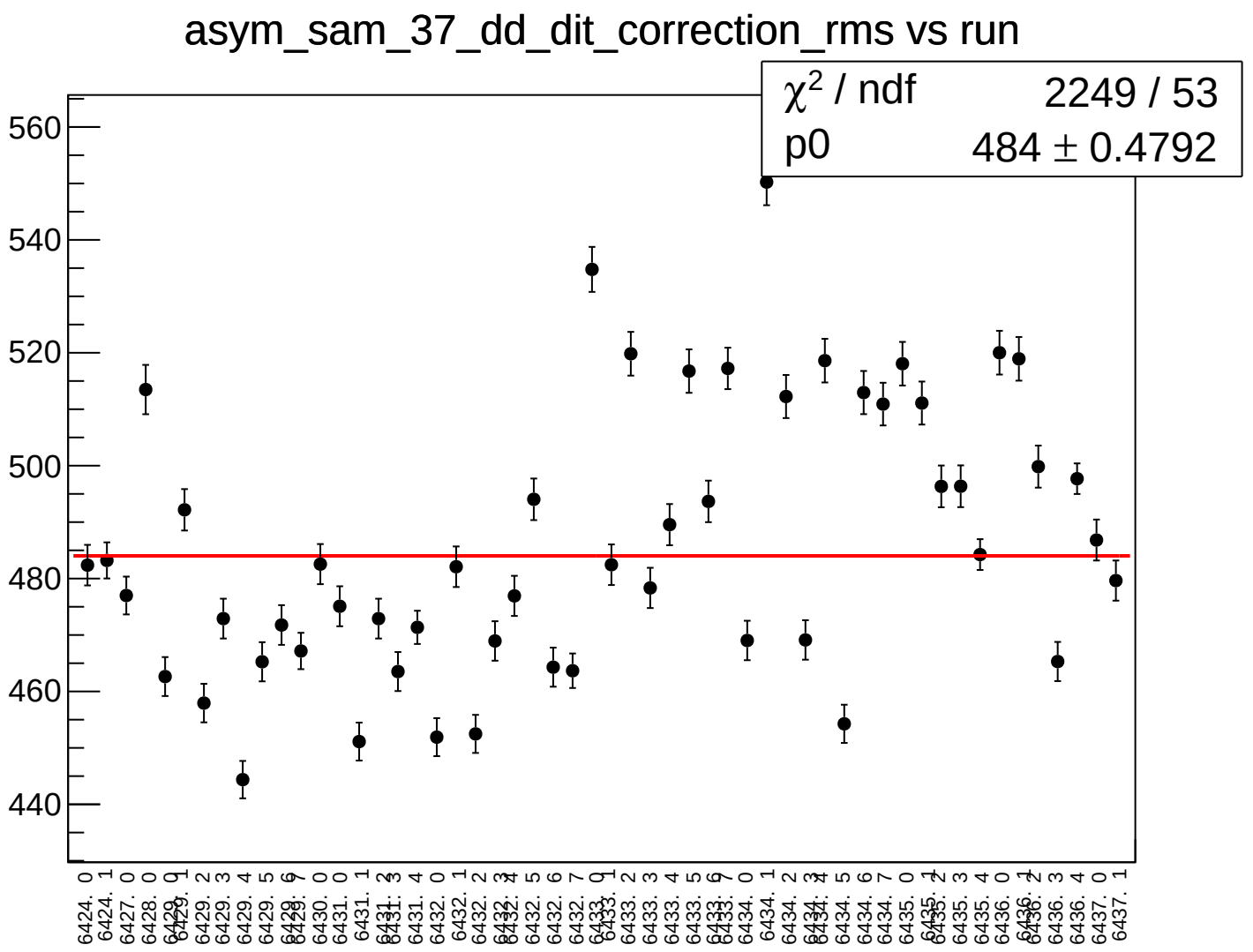

dit_asym_sam_37_dd_mean vs run
χ² / ndf 49.87 / 53
p0 −40.97 ± 98.11
pull
Entries 54
Mean 56.56
Std Dev 0

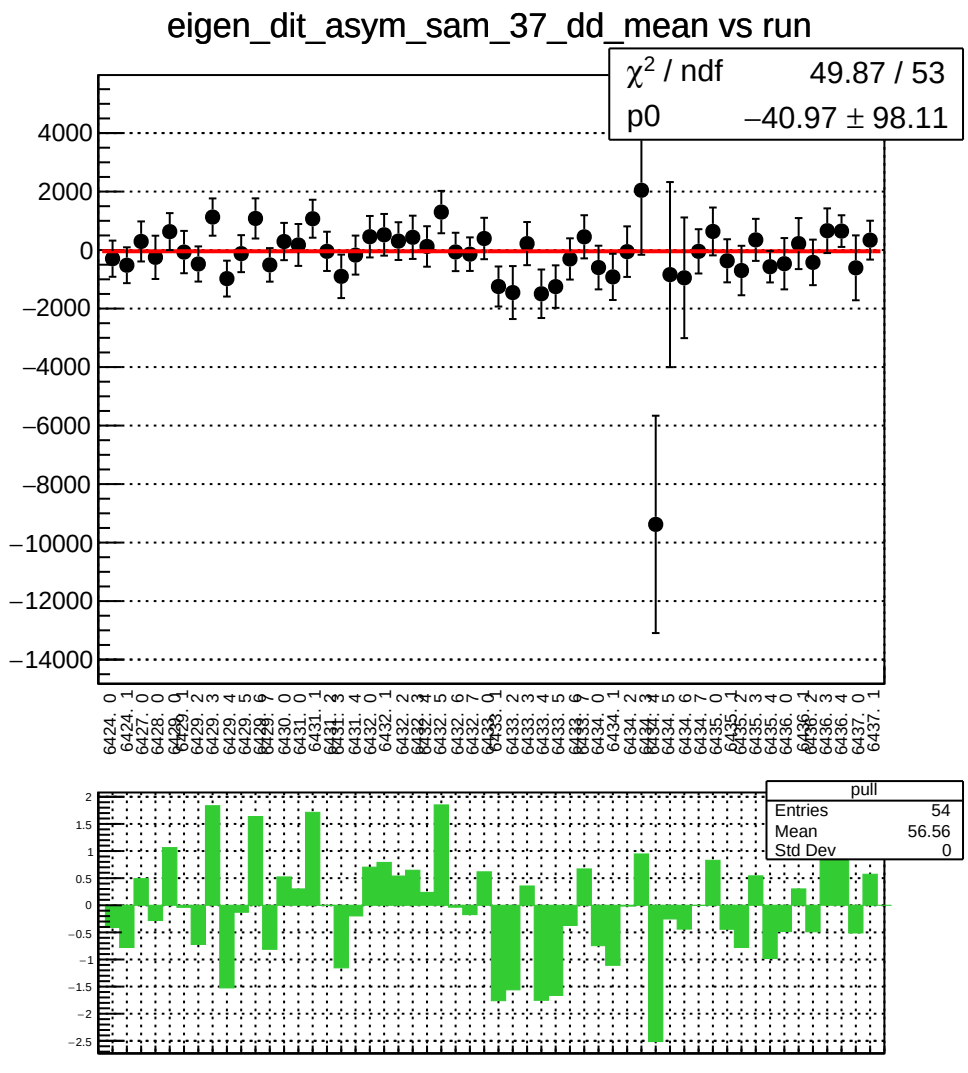

pull1D
Entries 54
Mean −0.05125
Std Dev 0.9596

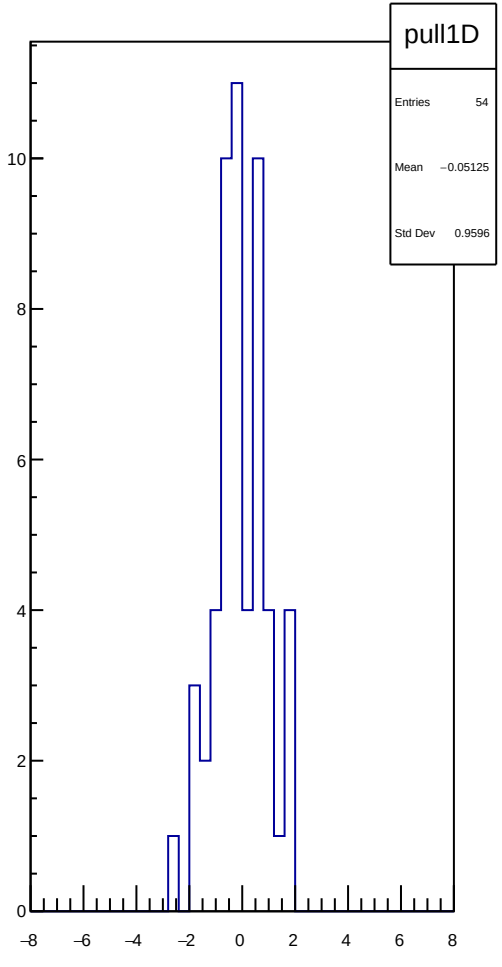

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 4.959e+04 / 53
p0 68.43 ± 0.06937
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

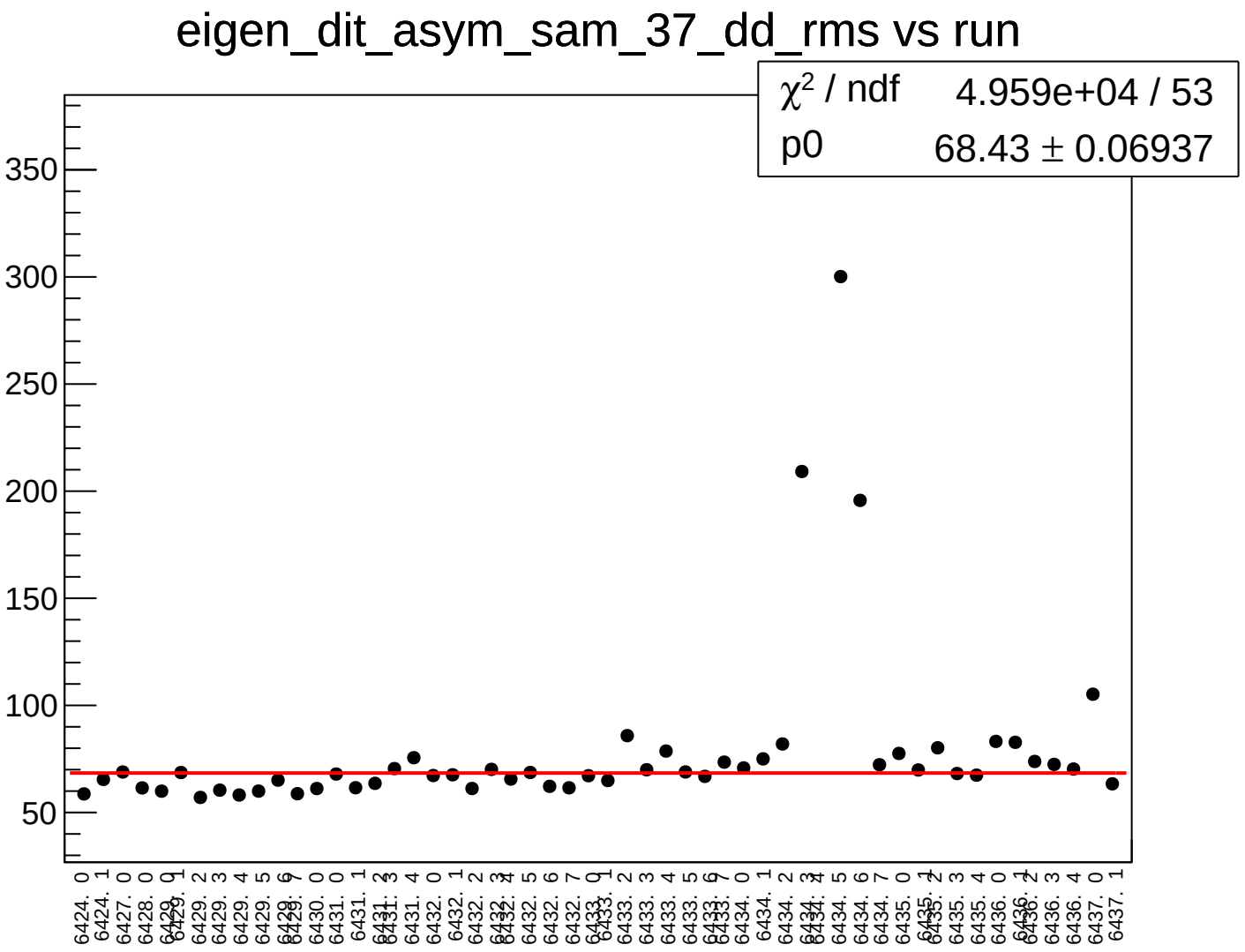

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 83.9 / 53
p0 389.6 ± 677.7
pull
Entries 54
Mean 59.07
Std Dev 0

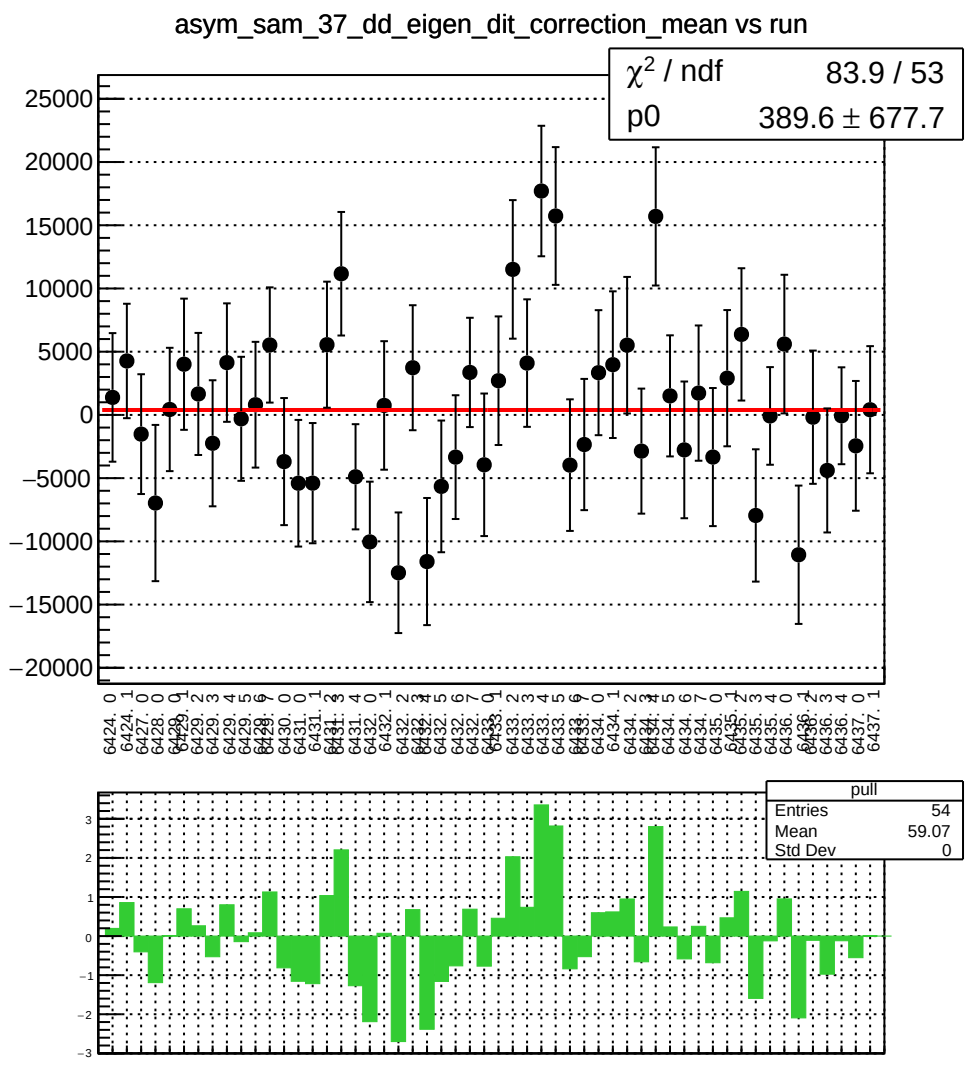

pull1D
Entries 54
Mean 0.01077
Std Dev 1.246

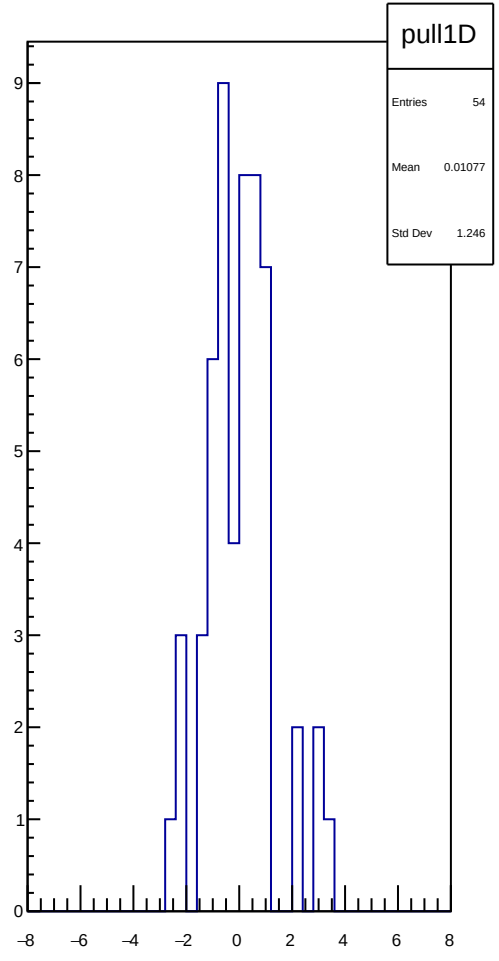

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 2249 / 53
p0 484 ± 0.4792
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

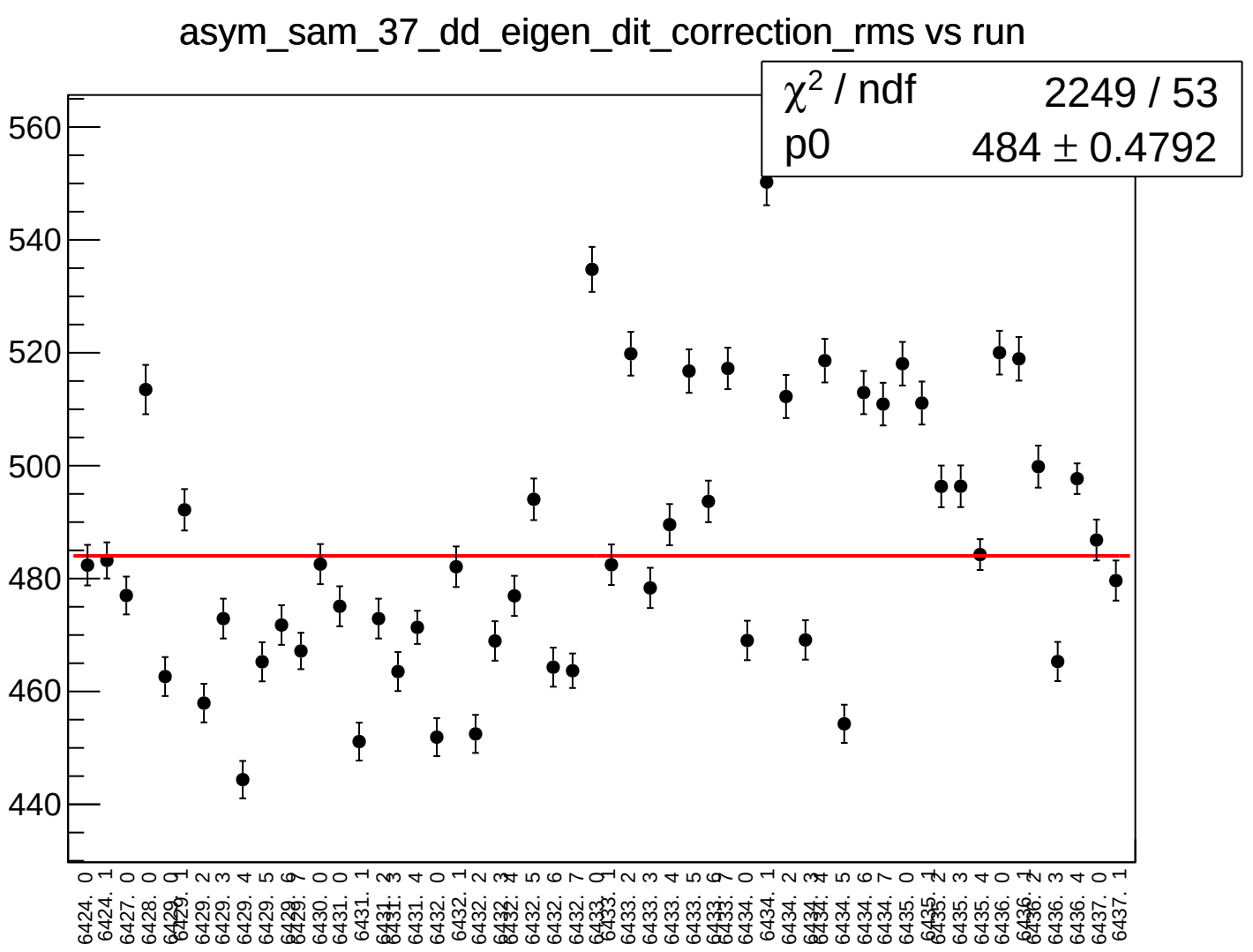

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 49.87 / 53
p0 −40.97 ± 98.11
pull
Entries 54
Mean 56.56
Std Dev 0

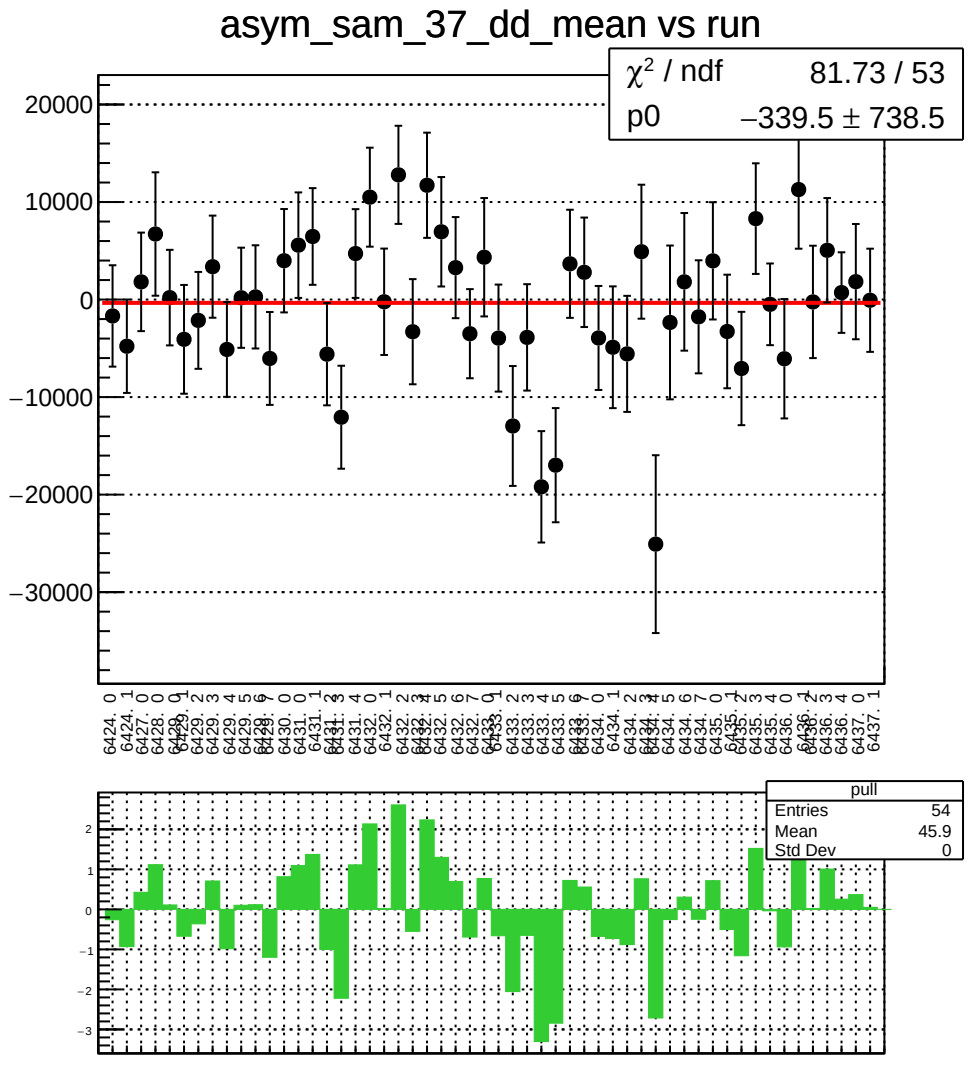

pull1D
Entries 54
Mean −0.05125
Std Dev 0.9596

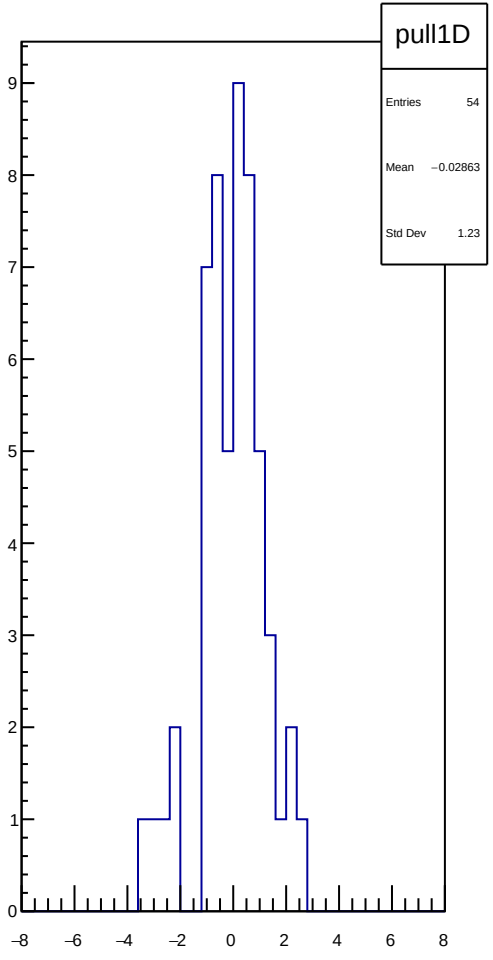

eigen_dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 4.959e+04 / 53
p0 68.43 ± 0.06937
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

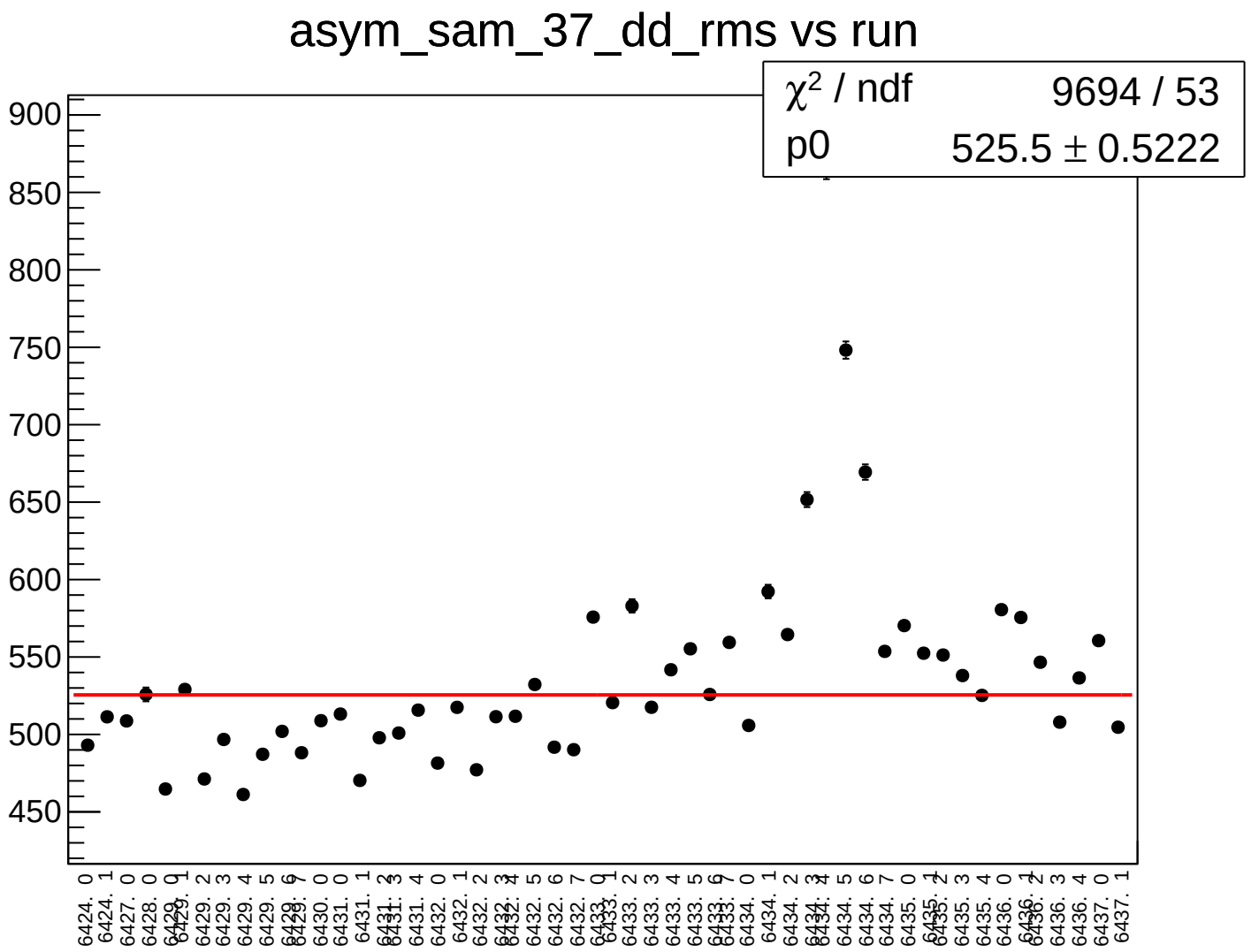

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.9 / 53
p0 389.6 ± 677.7
pull
Entries 54
Mean 59.07
Std Dev 0

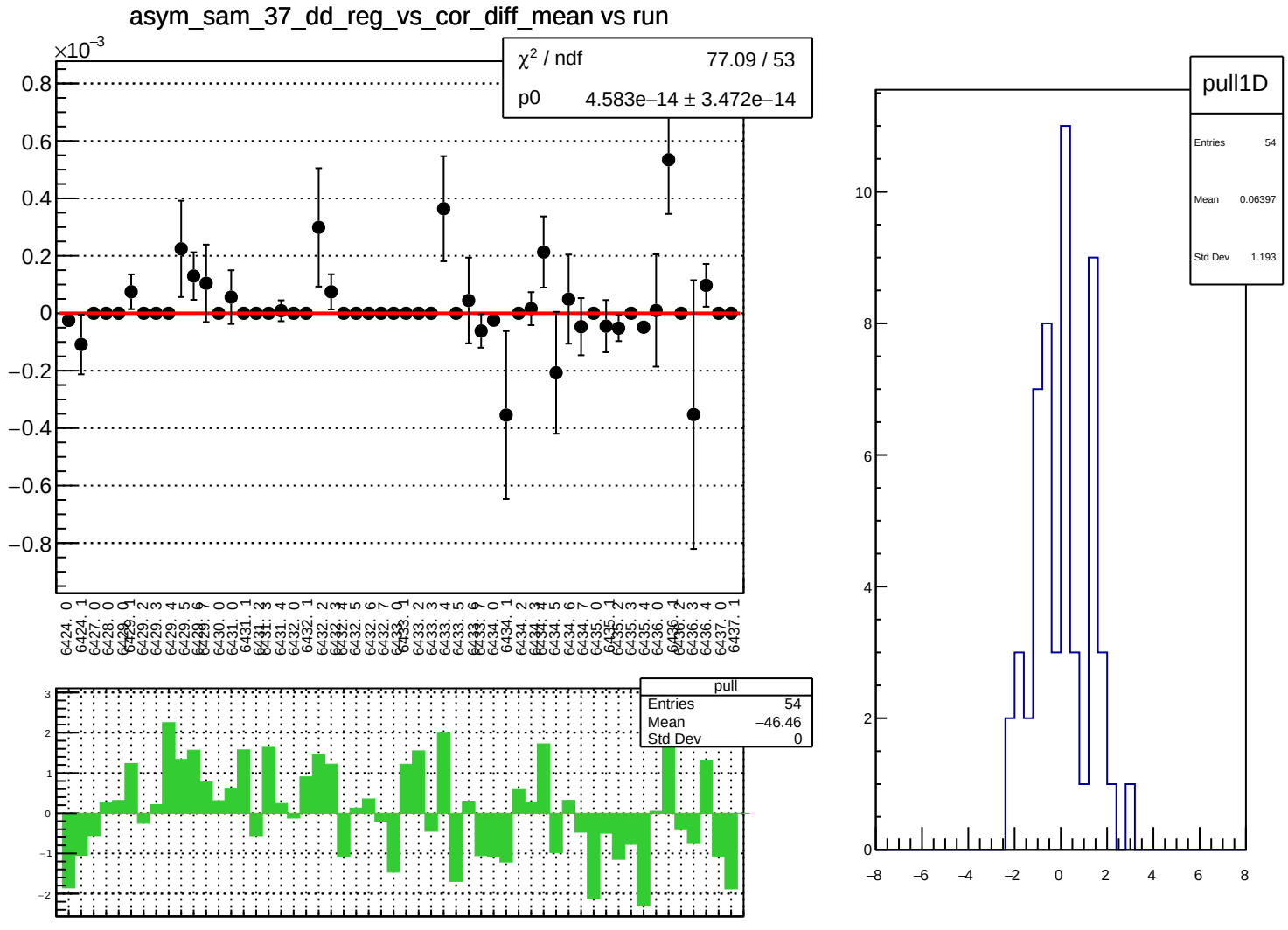

pull1D
Entries 54
Mean 0.01077
Std Dev 1.246

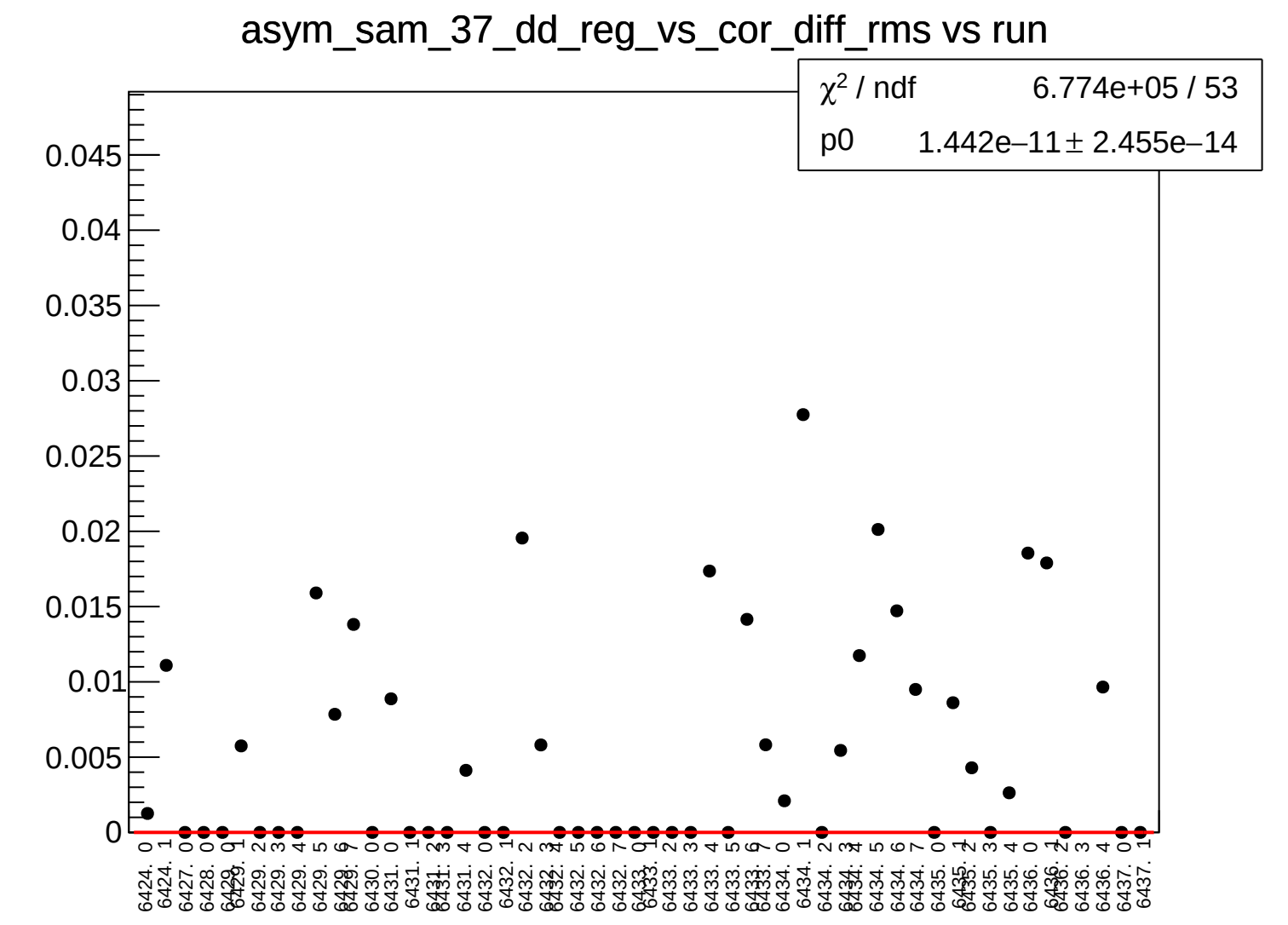

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2249 / 53
p0 484 ± 0.4792
560
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

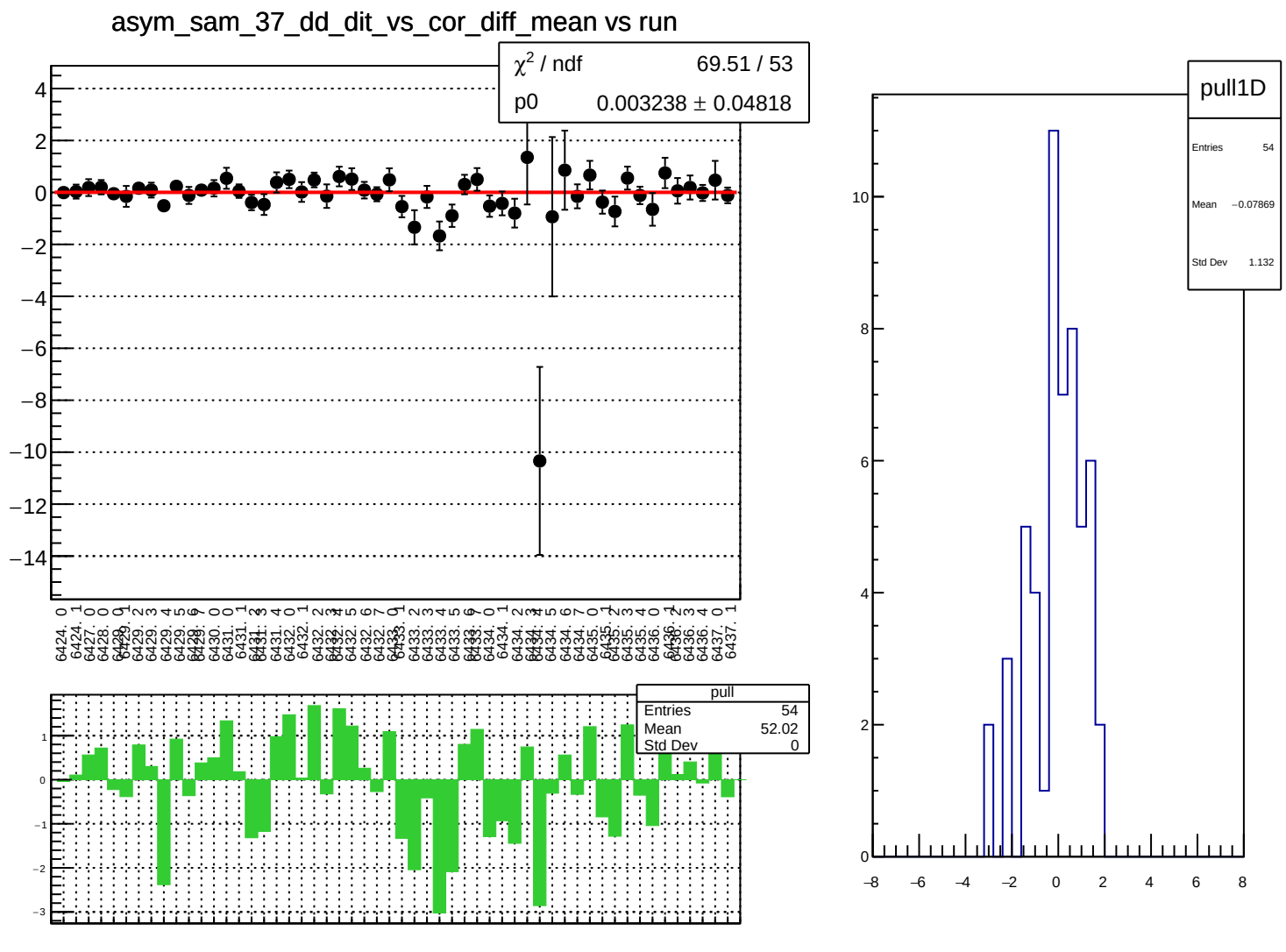

asym_sam_37_dd_mean vs run
χ² / ndf 81.73 / 53
p0 −339.5 ± 738.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 45.9
Std Dev 0
2
1
0
−1
−2
−3

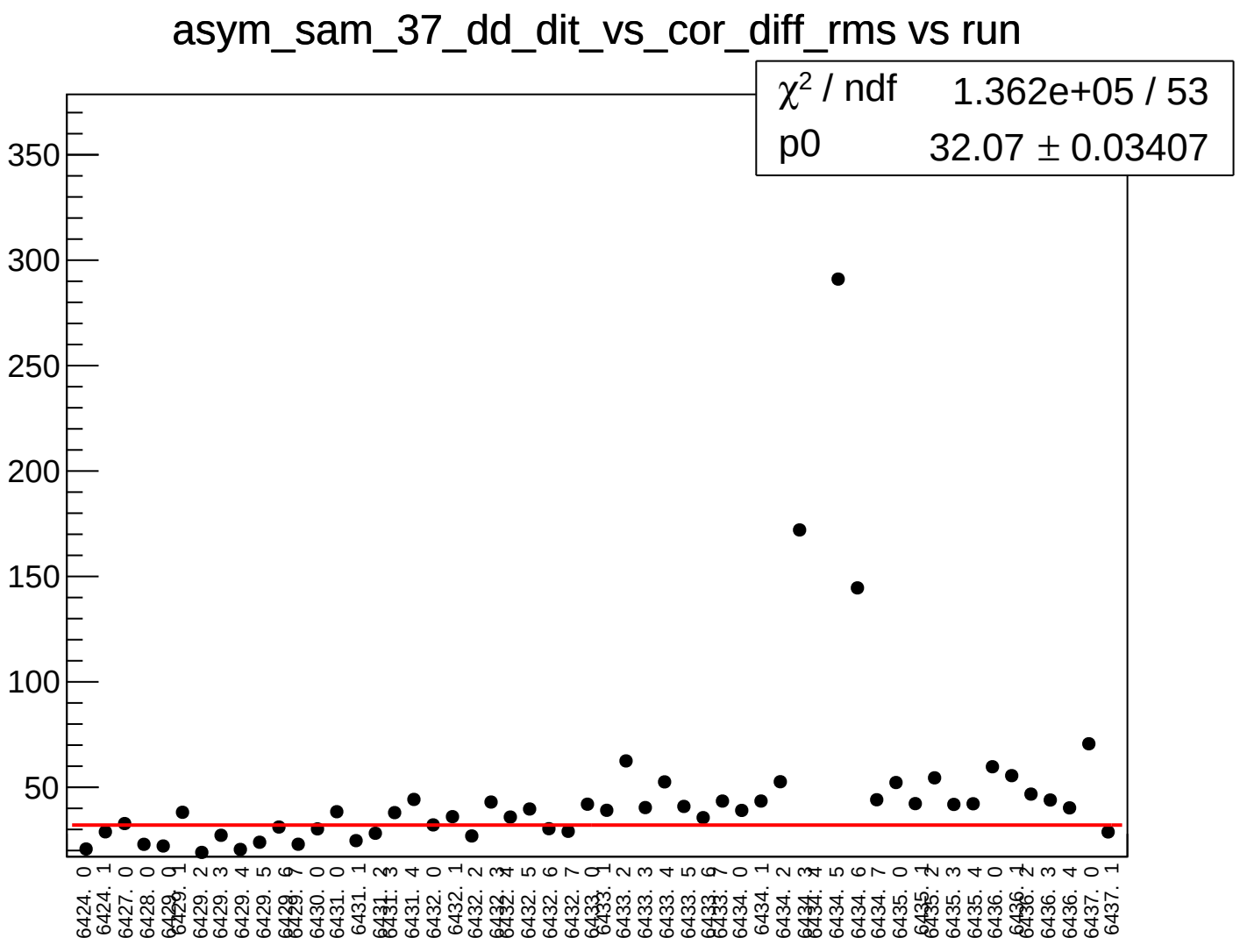

pull1D
Entries 54
Mean −0.02863
Std Dev 1.23
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

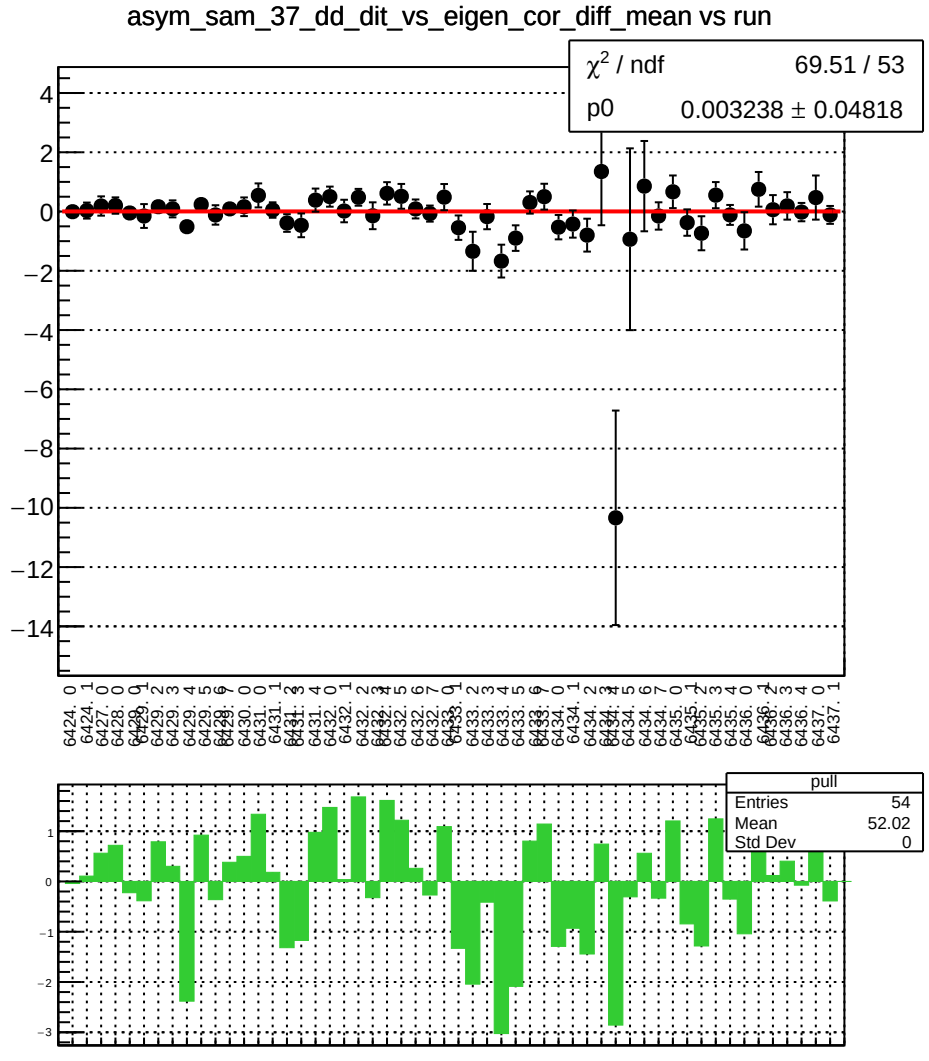

asym_sam_37_dd_rms vs run
χ^2 / ndf 9694 / 53
p0 525.5 ± 0.5222
900
850
800
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

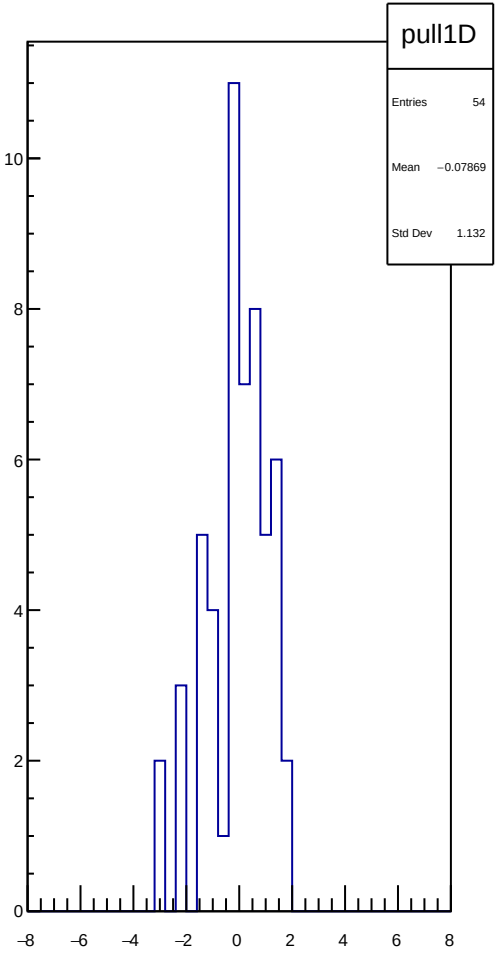

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 77.09 / 53
p0 4.583e−14 ± 3.472e−14
pull
Entries 54
Mean −46.46
Std Dev 0
pull1D
Entries 54
Mean 0.06397
Std Dev 1.193

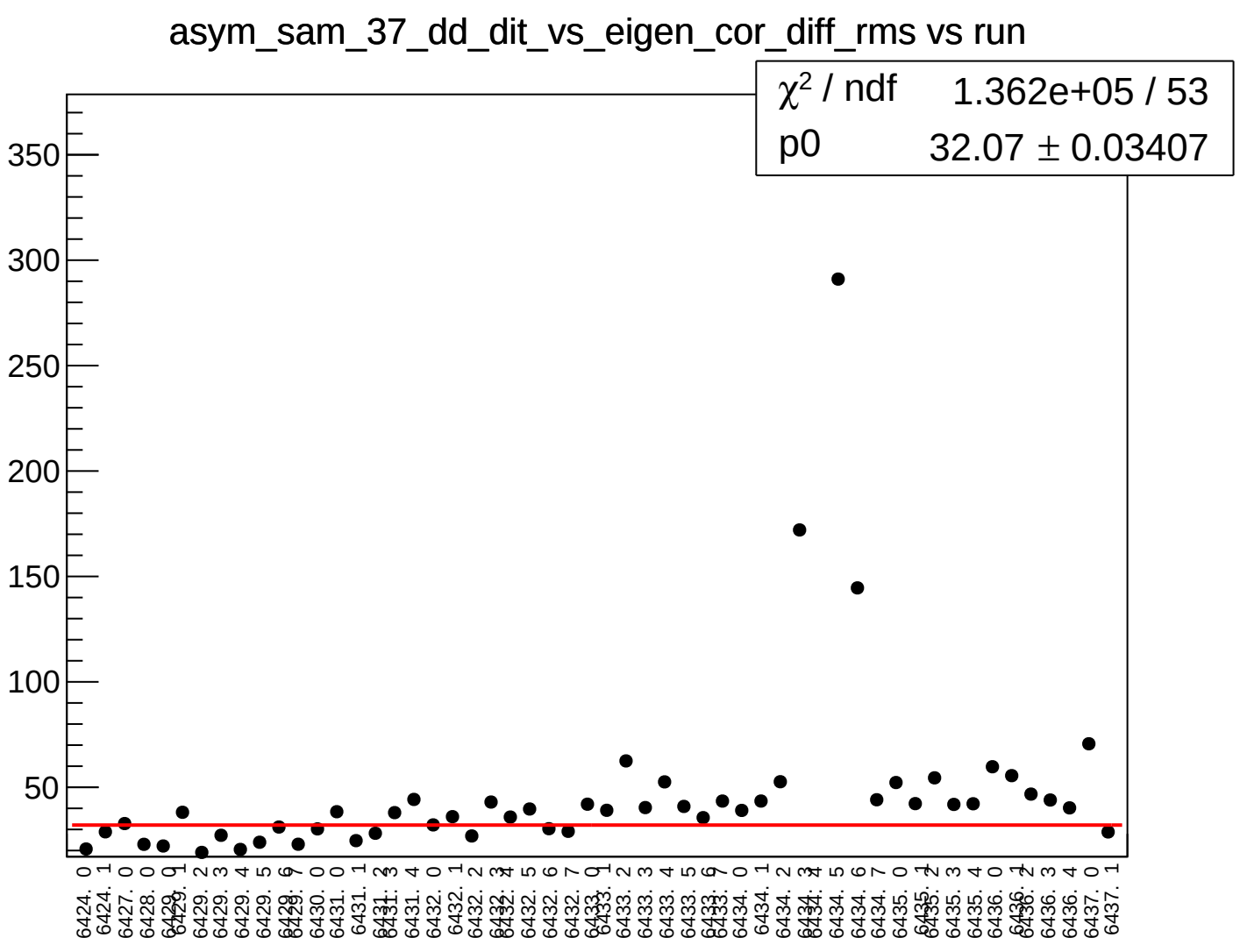

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.774e+05 / 53
p0 1.442e−11 ± 2.455e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

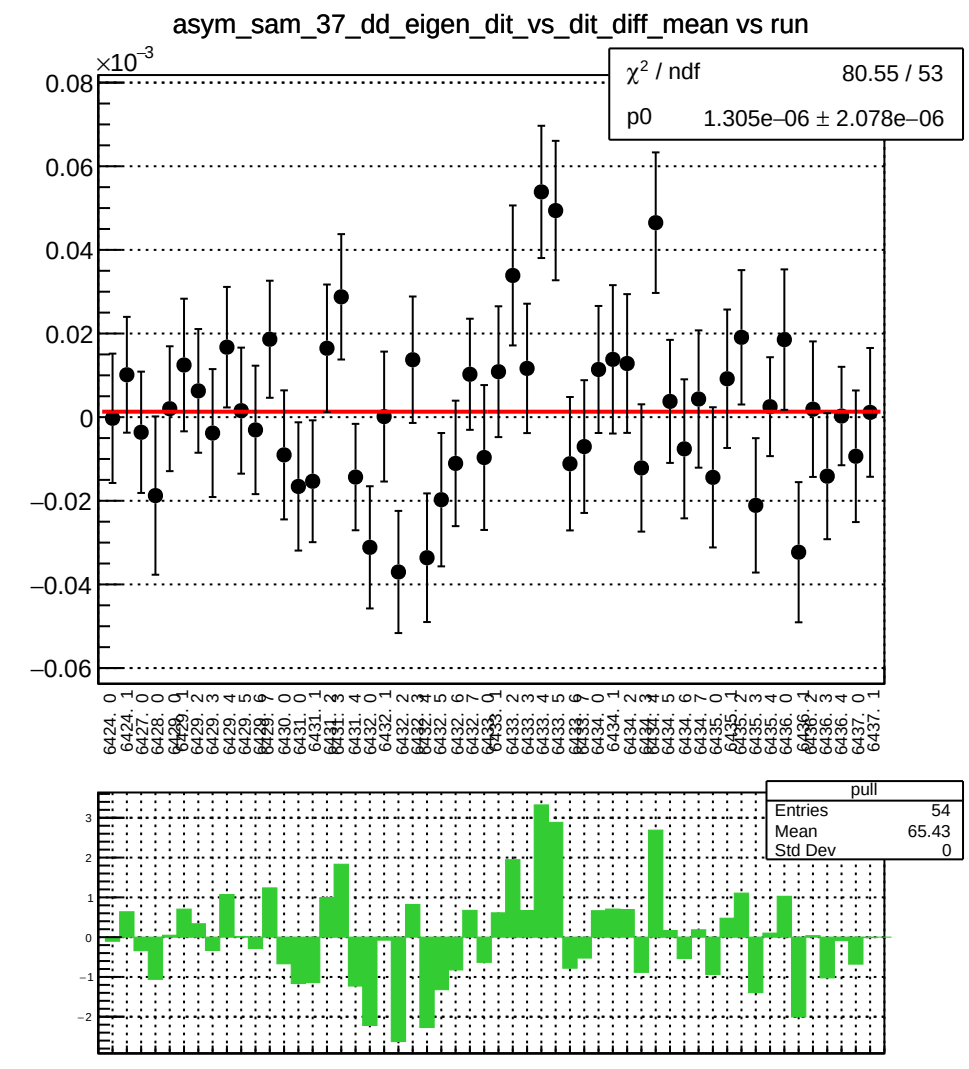

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 69.51 / 53
p0 0.003238 ± 0.04818
pull
Entries 54
Mean 52.02
Std Dev 0
pull1D
Entries 54
Mean −0.07869
Std Dev 1.132

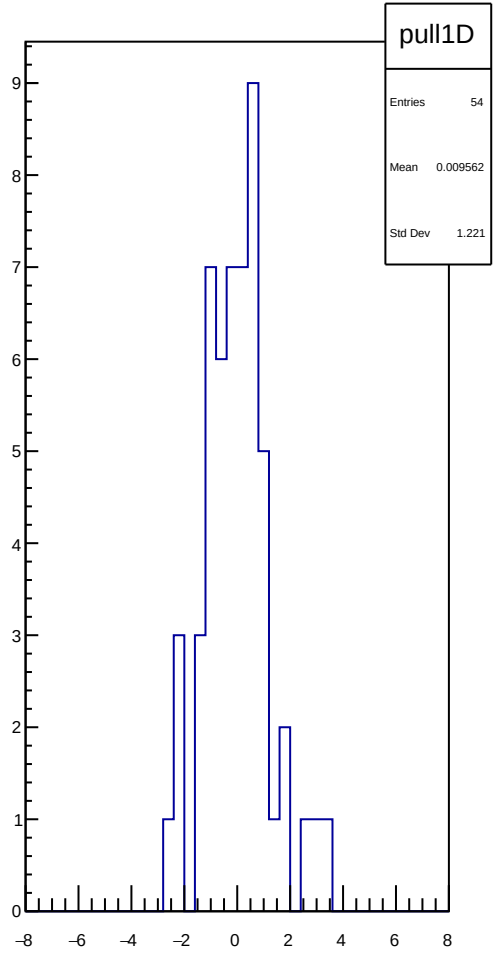

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 53
p0 32.07 ± 0.03407
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

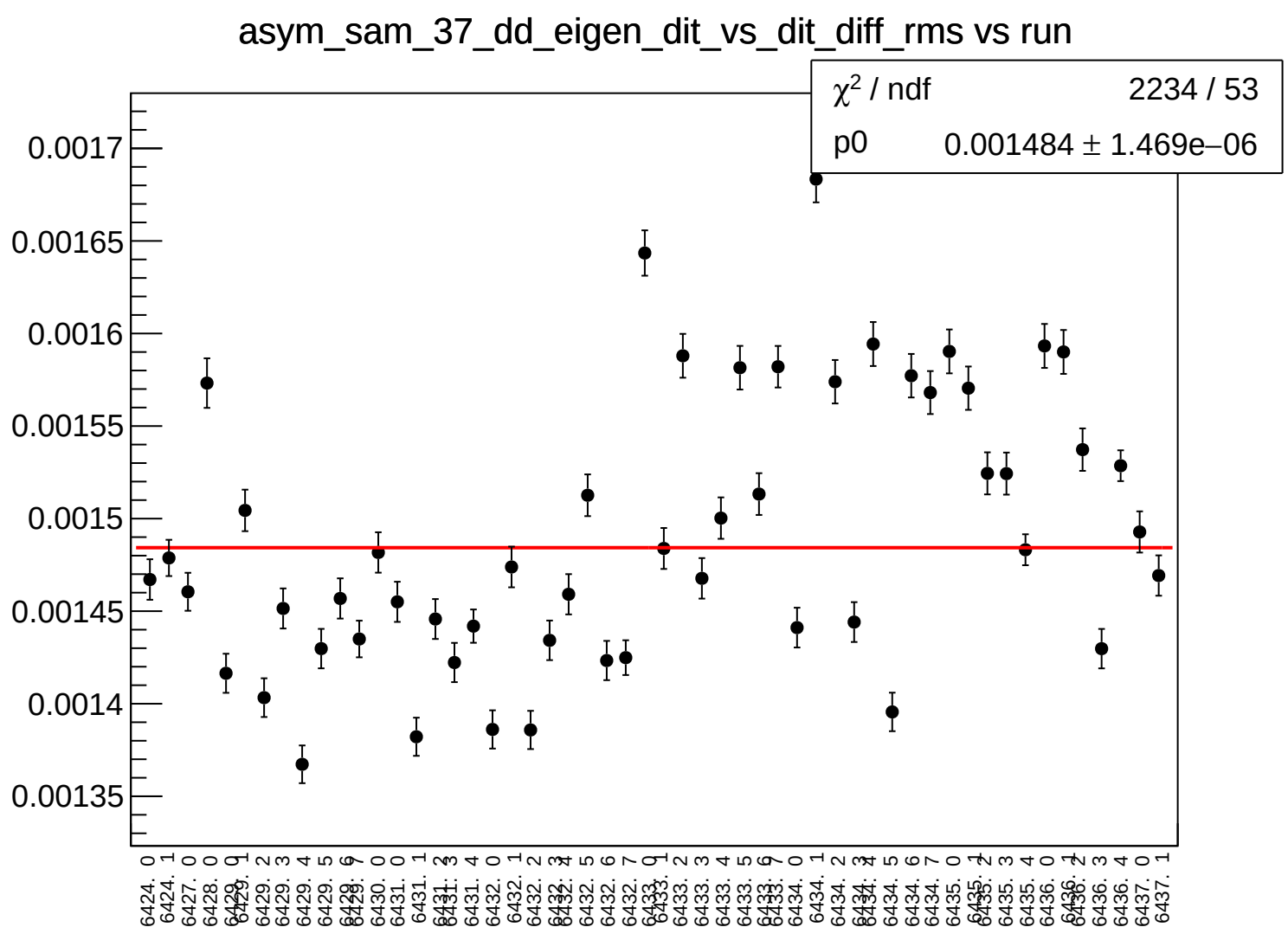

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.51 / 53
p0 0.003238 ± 0.04818
pull
Entries 54
Mean 52.02
Std Dev 0

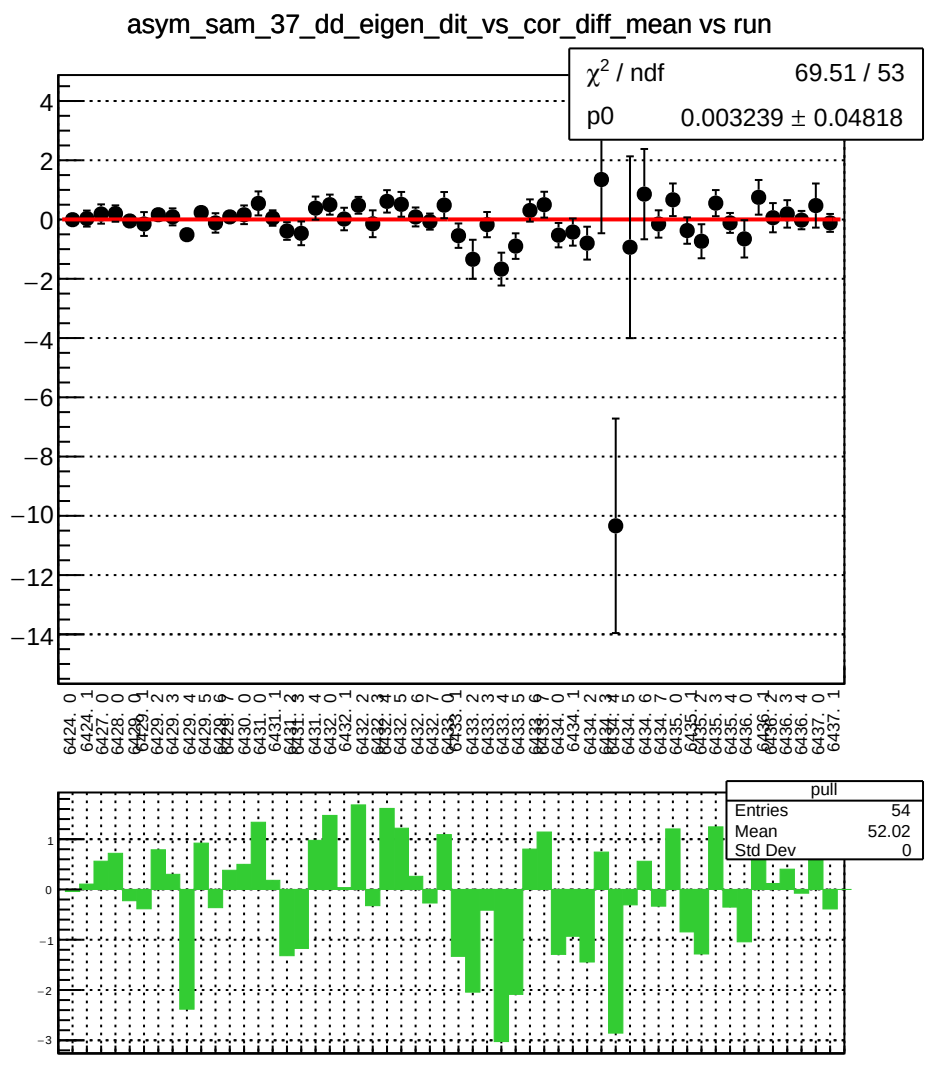

pull1D
Entries 54
Mean −0.07869
Std Dev 1.132

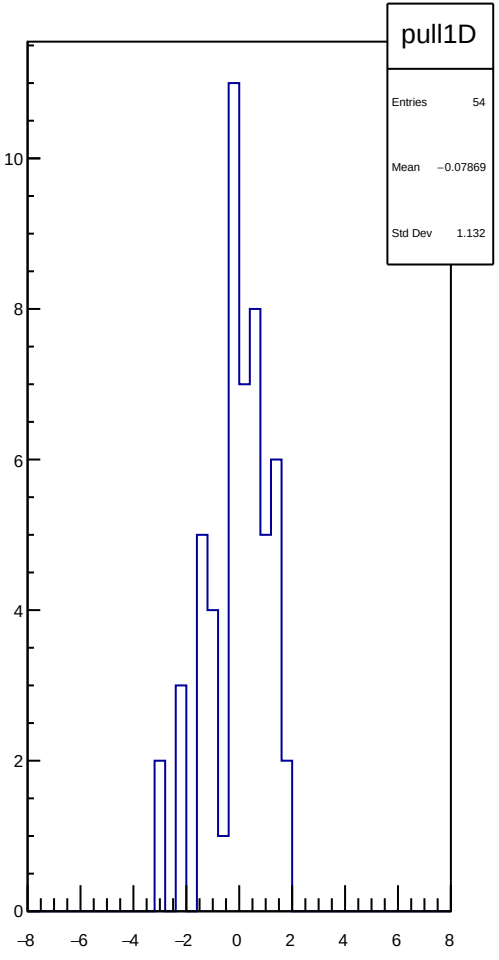

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 53
p0 32.07 ± 0.03407
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

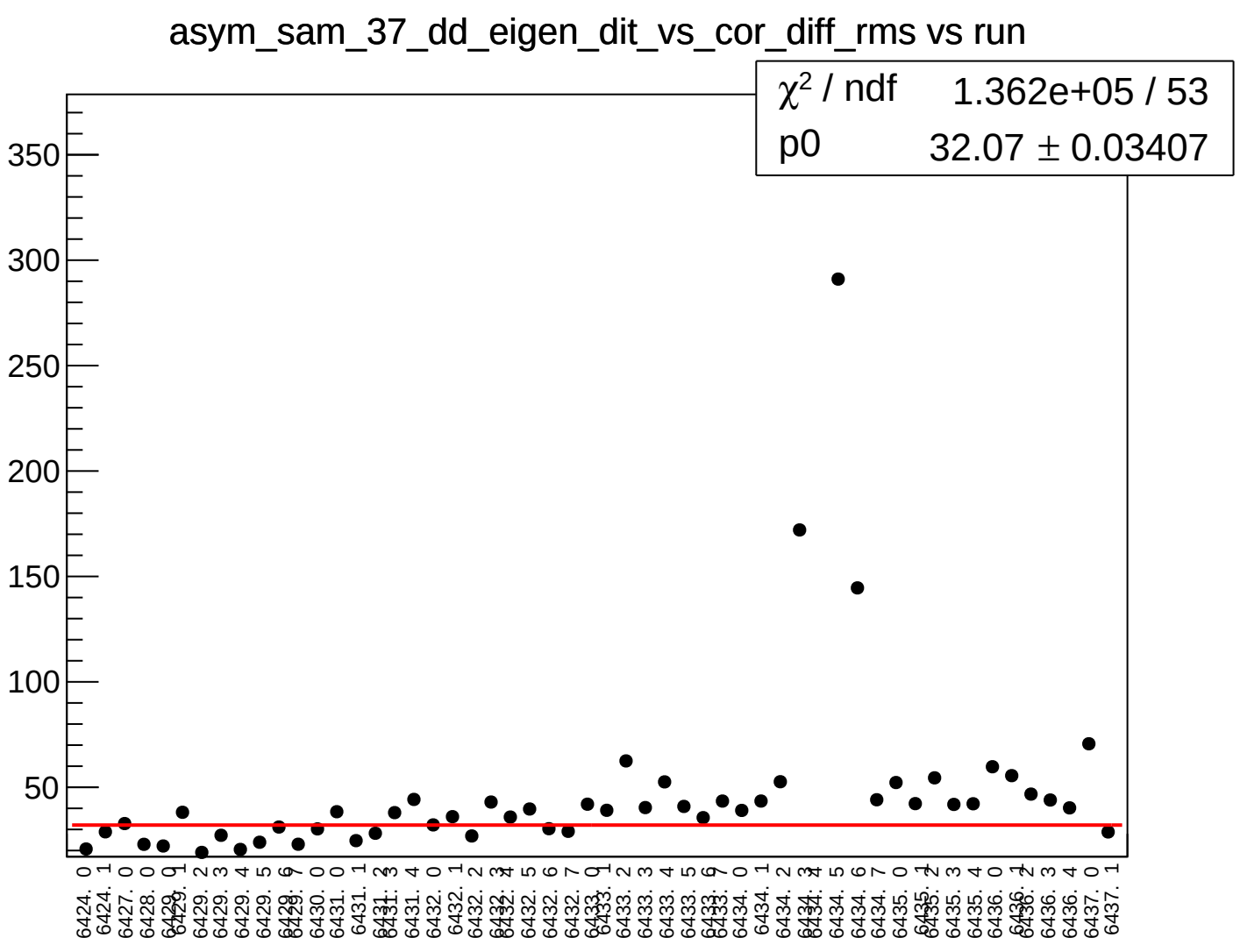

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.55 / 53
p0 1.305e−06 ± 2.078e−06
pull
Entries 54
Mean 65.43
Std Dev 0

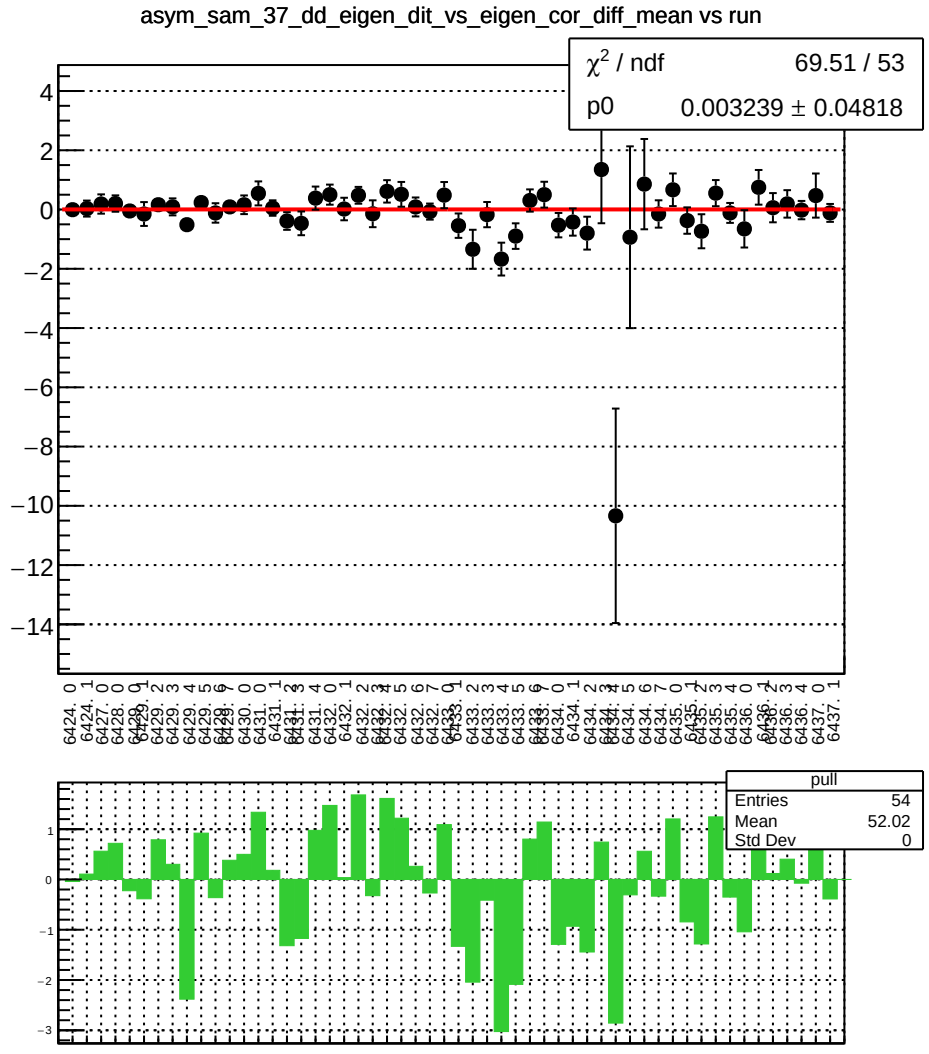

pull1D
Entries 54
Mean 0.009562
Std Dev 1.221

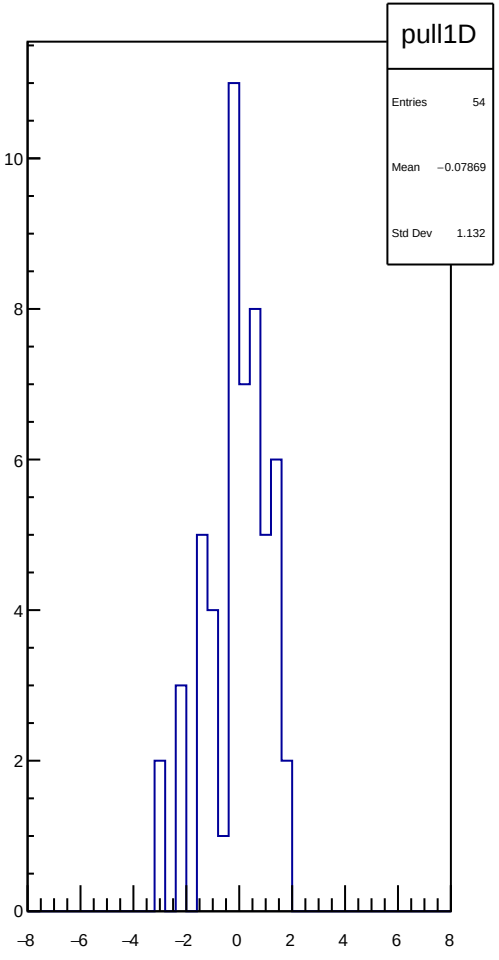

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2234 / 53
p0 0.001484 ± 1.469e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

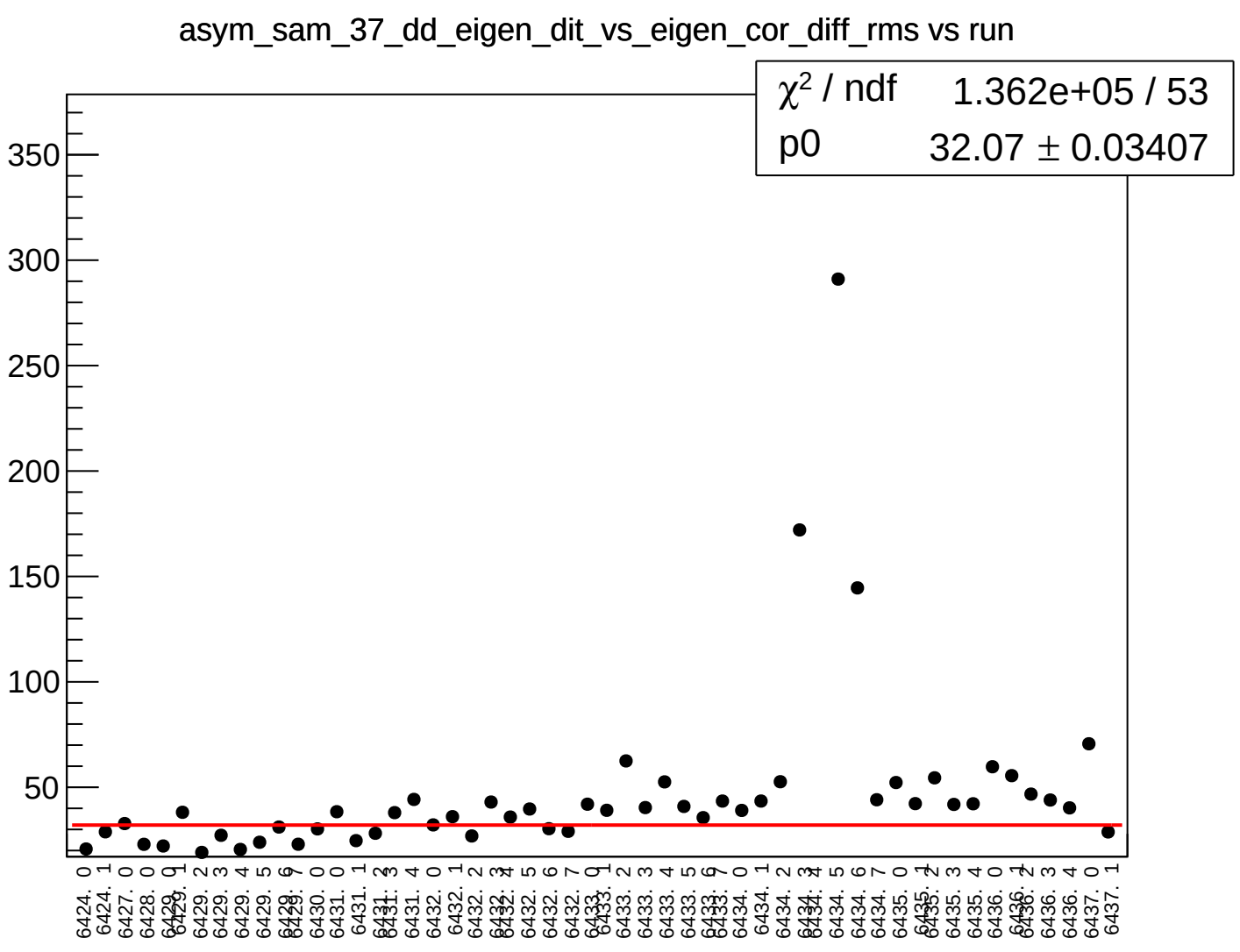

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.51 / 53
p0 0.003239 ± 0.04818
pull
Entries 54
Mean 52.02
Std Dev 0

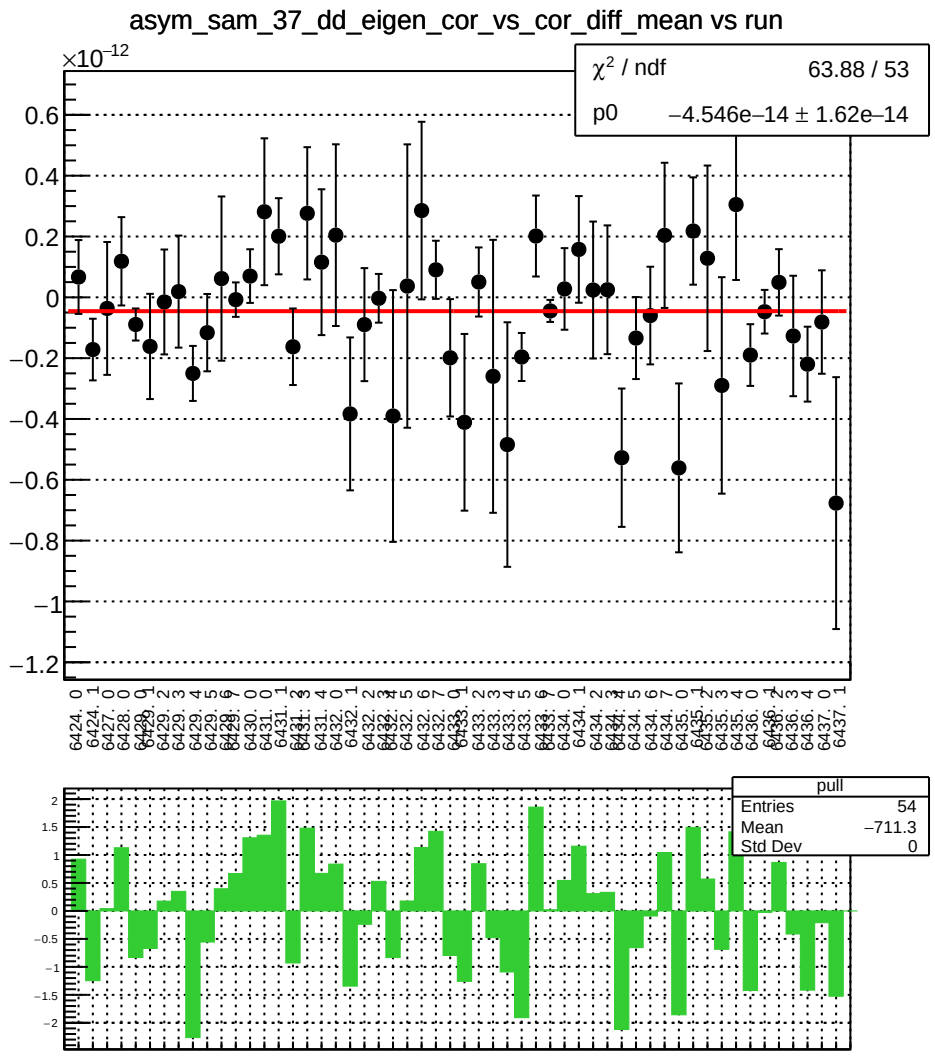

pull1D
Entries 54
Mean −0.07869
Std Dev 1.132

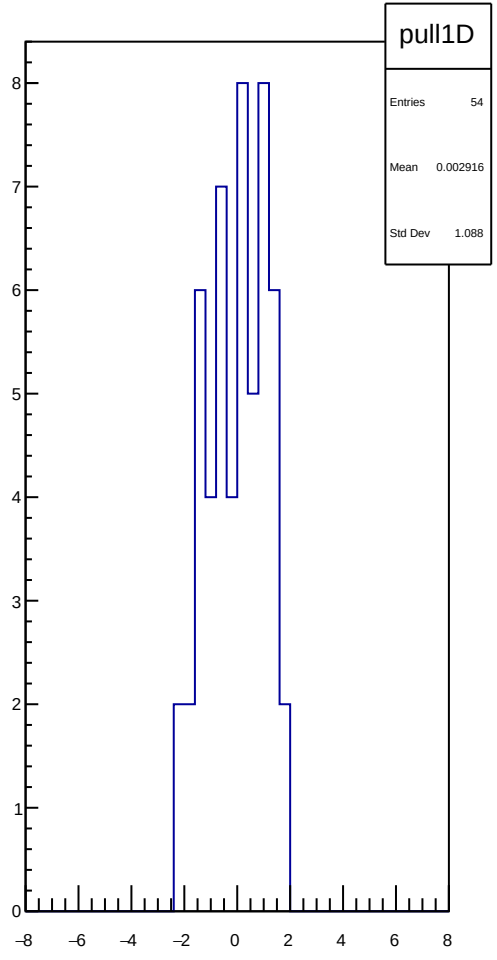

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 53
p0 32.07 ± 0.03407
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

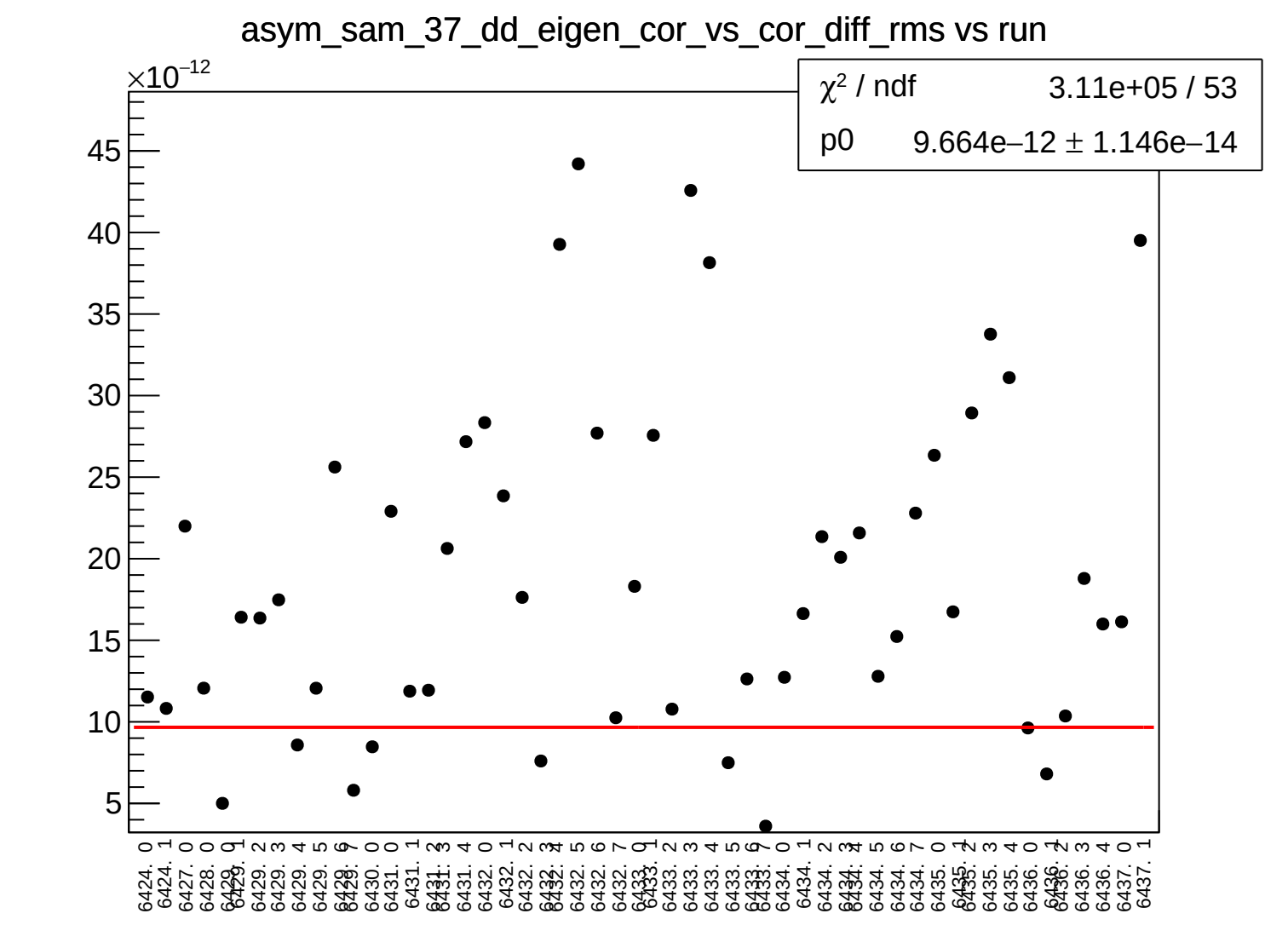

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.51 / 53
p0 0.003239 ± 0.04818
pull
Entries 54
Mean 52.02
Std Dev 0

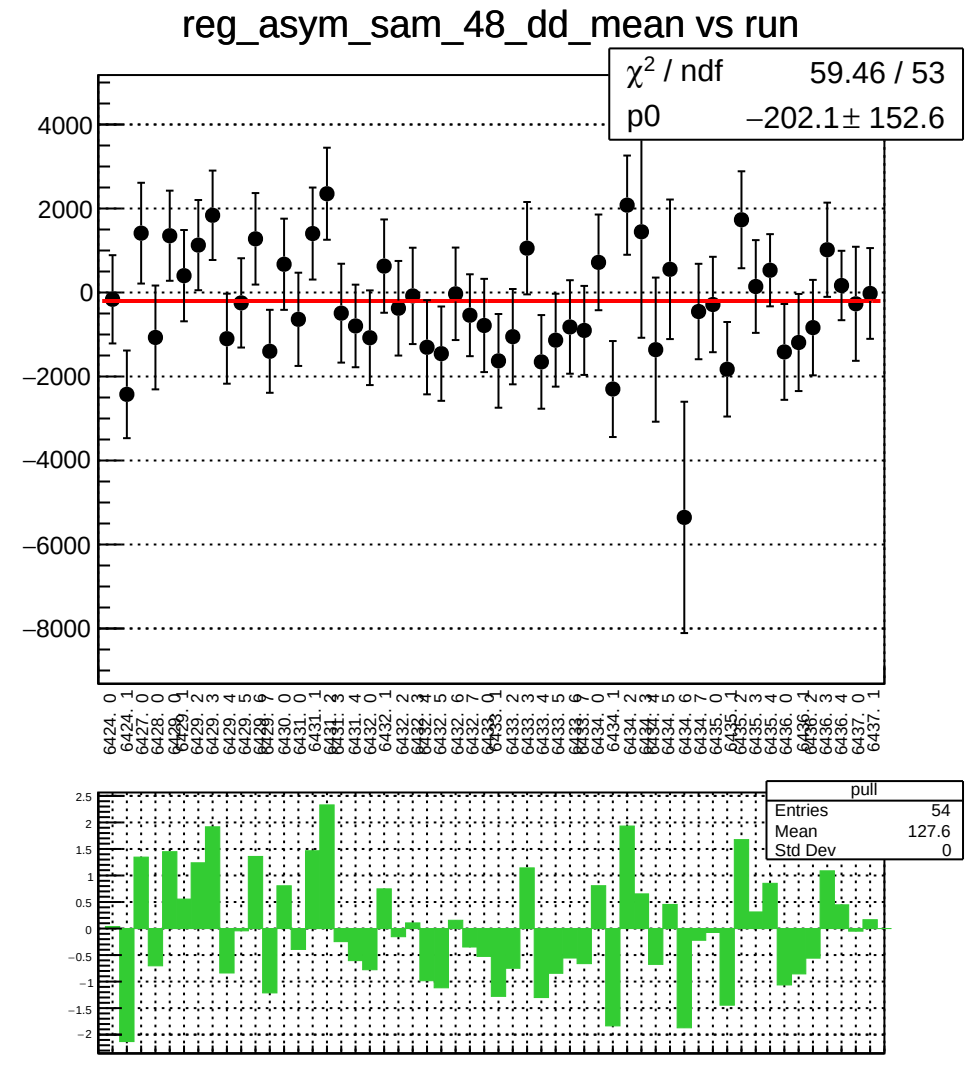

pull1D
Entries 54
Mean −0.07869
Std Dev 1.132

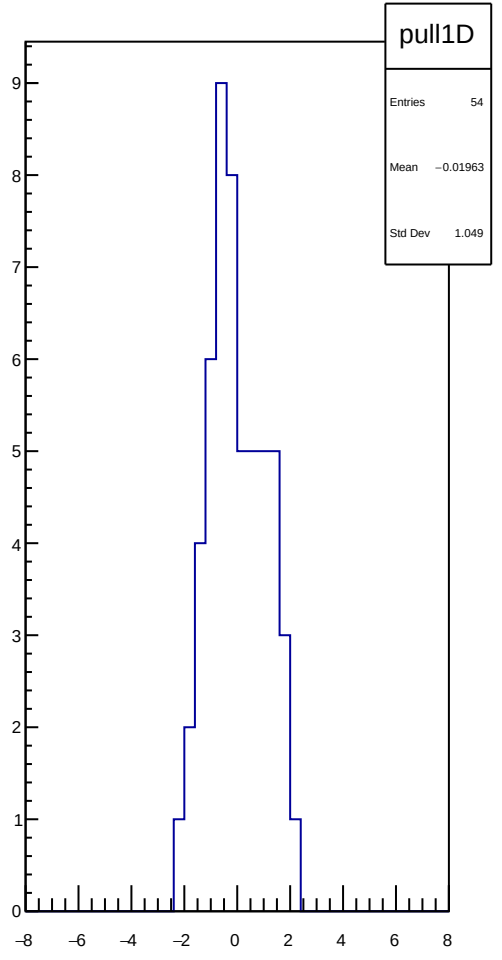

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 53
p0 32.07 ± 0.03407
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

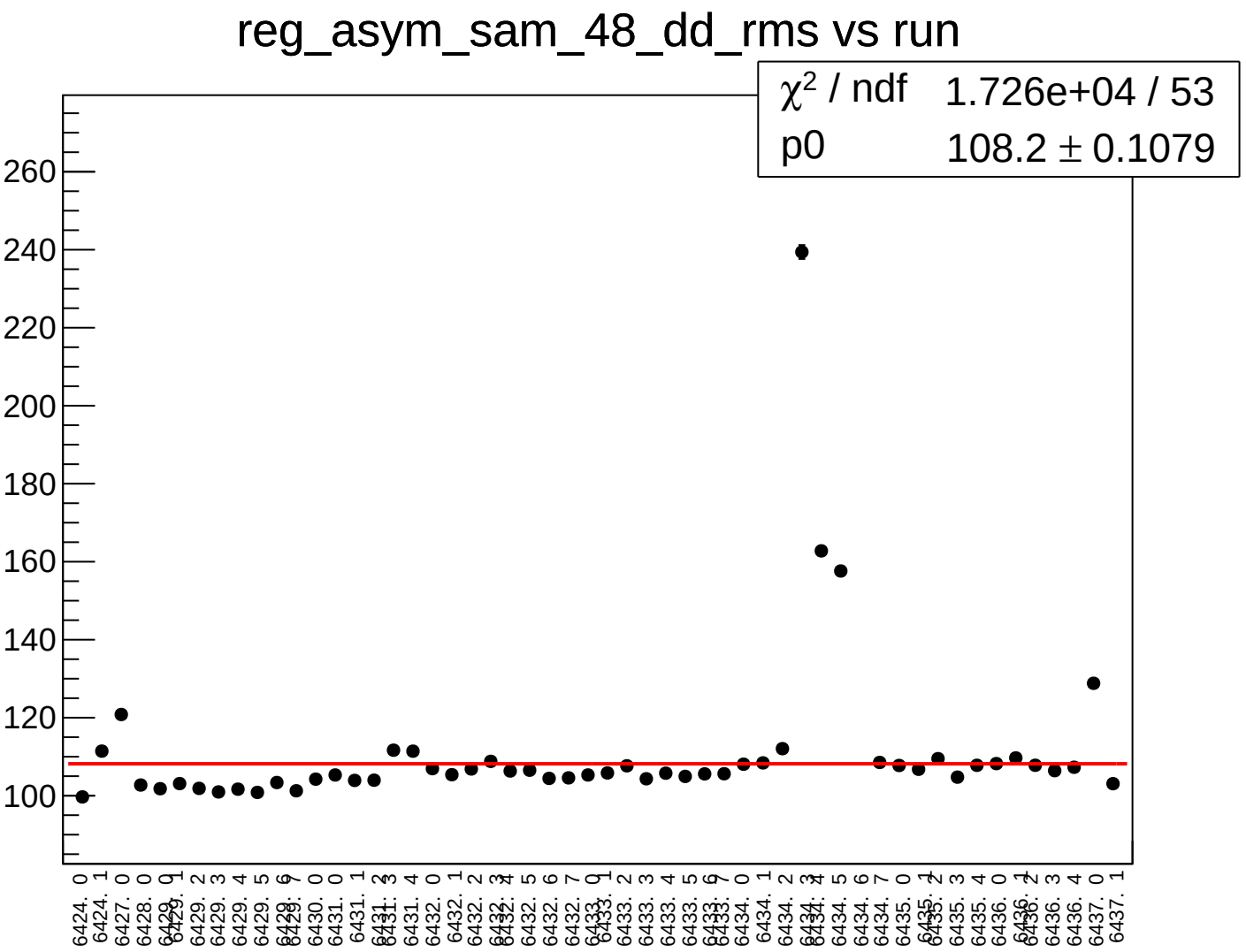

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.88 / 53
p0 −4.546e−14 ± 1.62e−14
pull
Entries 54
Mean −711.3
Std Dev 0

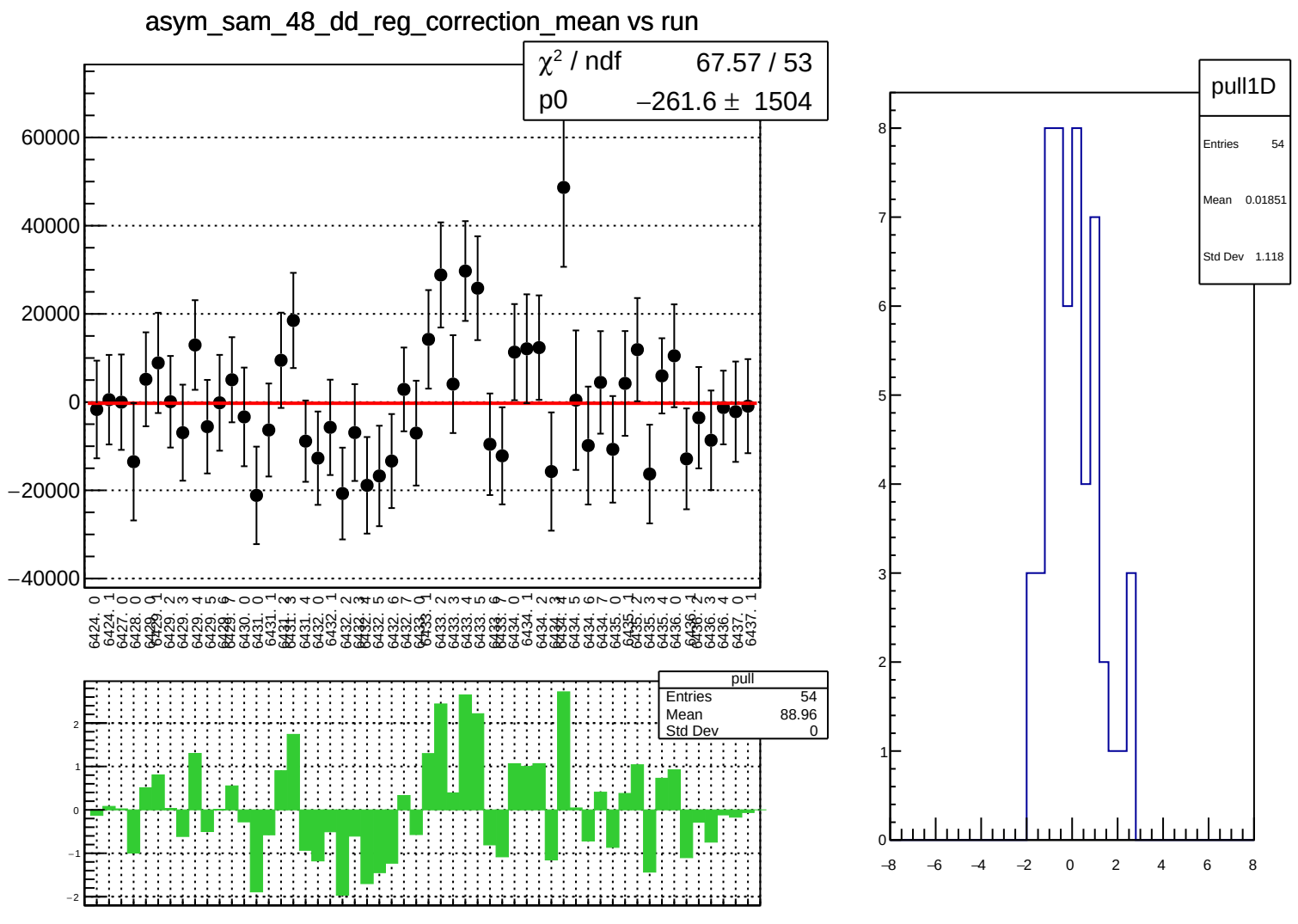

pull1D
Entries 54
Mean 0.002916
Std Dev 1.088

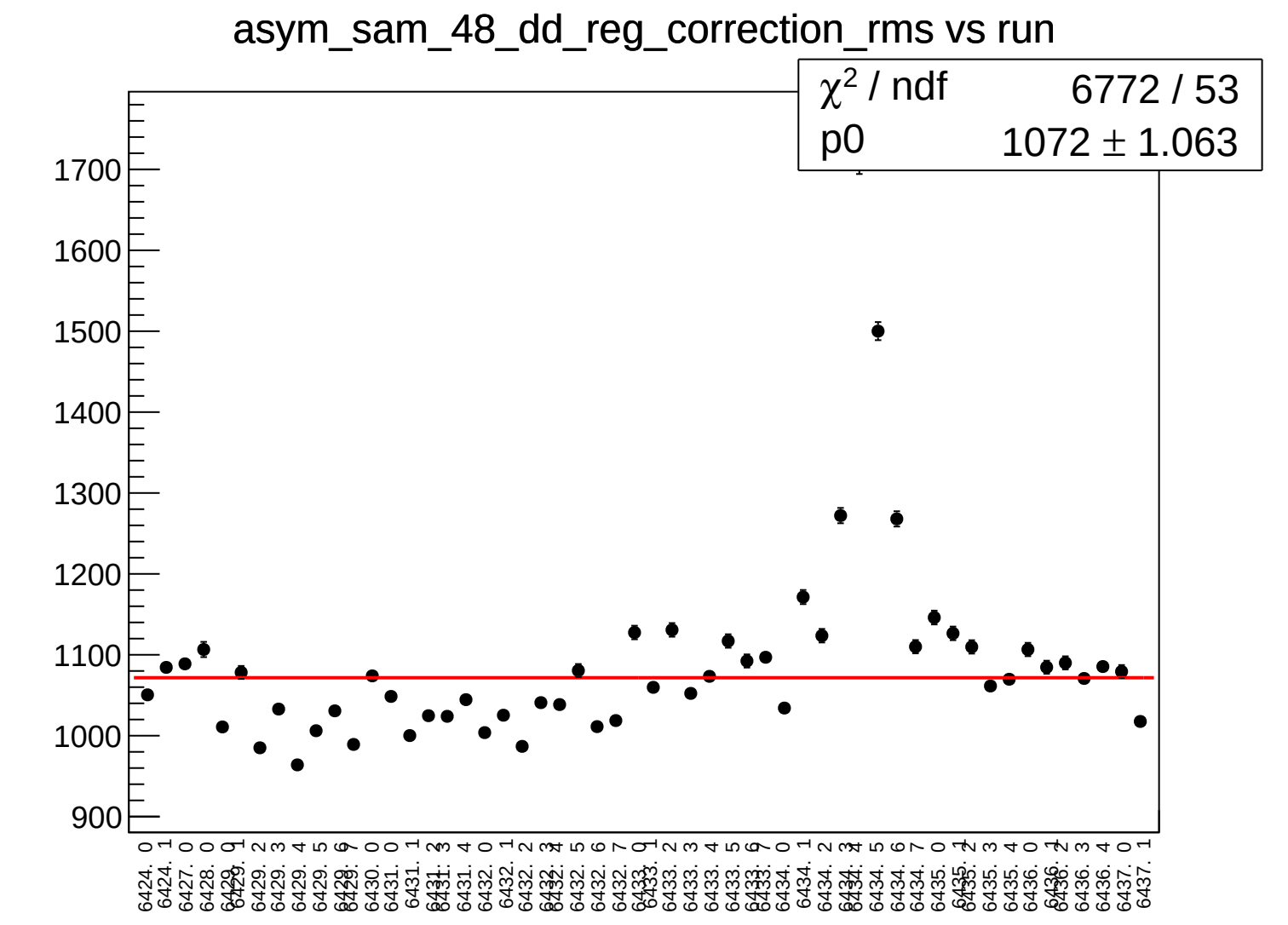

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.11e+05 / 53
p0 9.664e−12 ± 1.146e−14
45
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

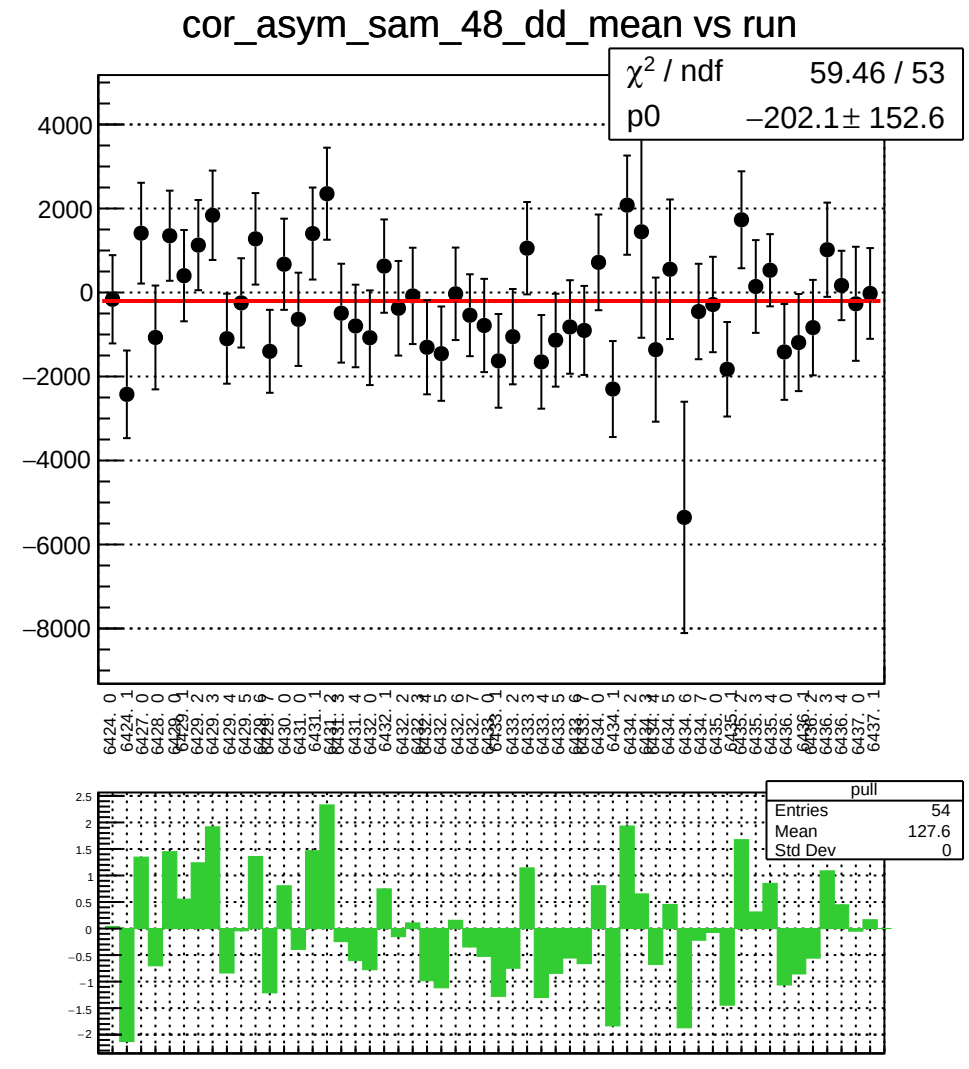

reg_asym_sam_48_dd_mean vs run
χ² / ndf 59.46 / 53
p0 −202.1± 152.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 127.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

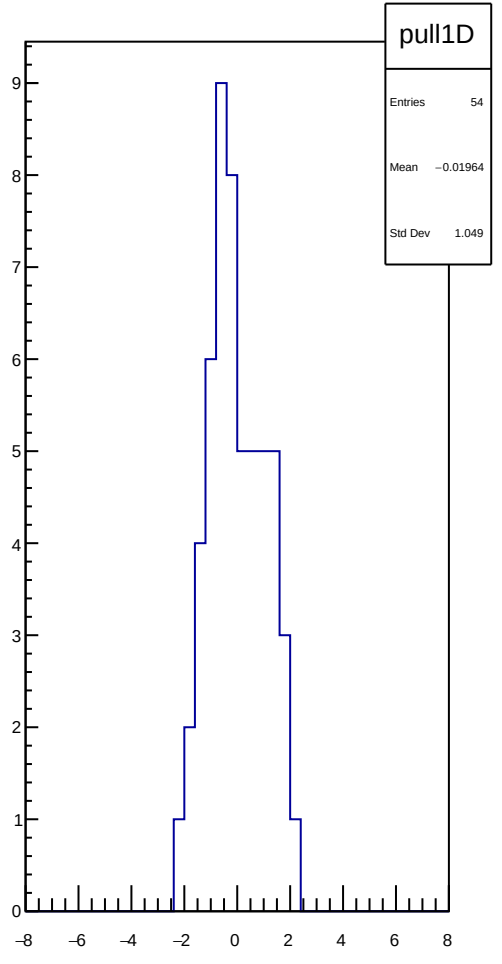

pull1D
Entries 54
Mean −0.01963
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

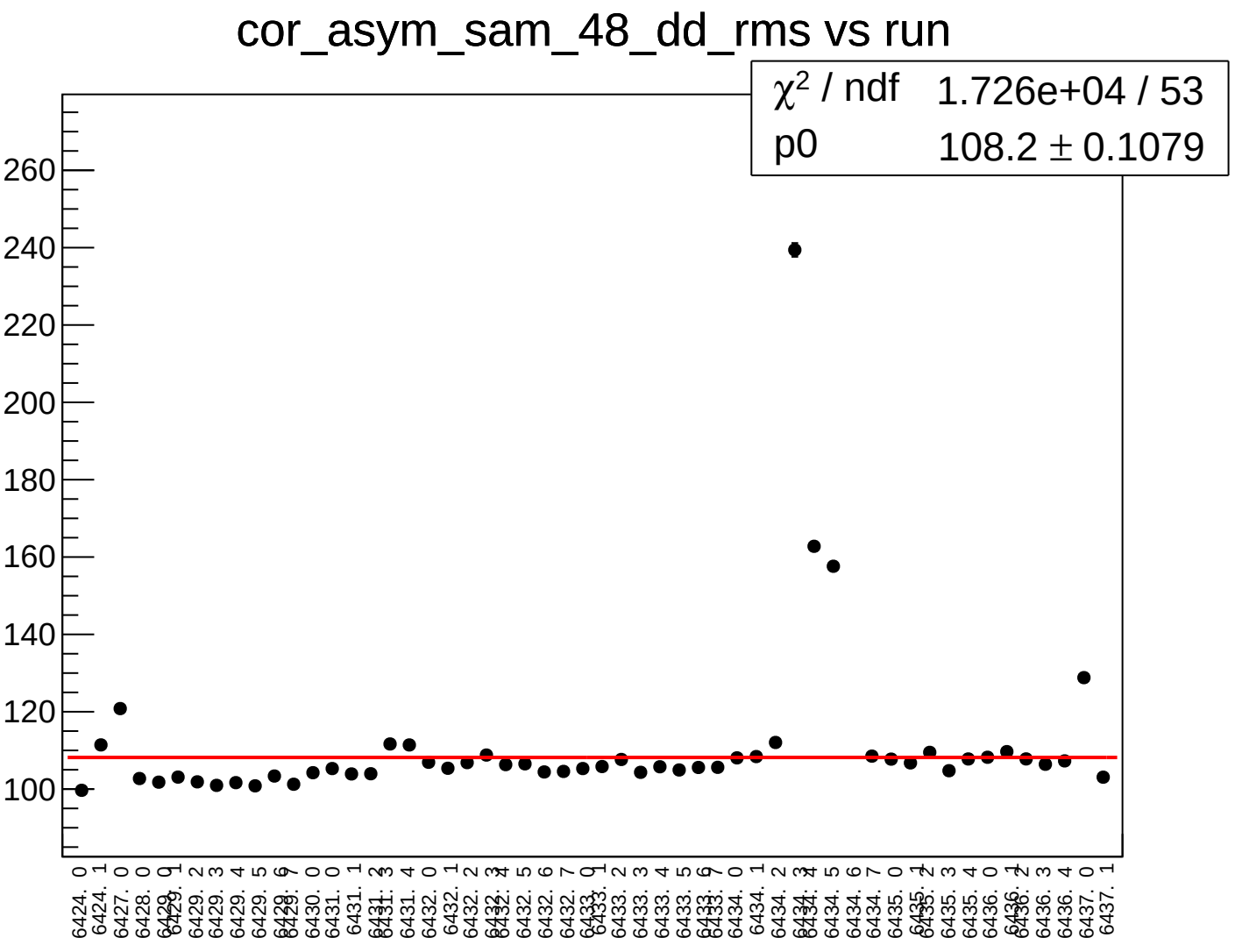

reg_asym_sam_48_dd_rms vs run
χ² / ndf 1.726e+04 / 53
p0 108.2 ± 0.1079
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

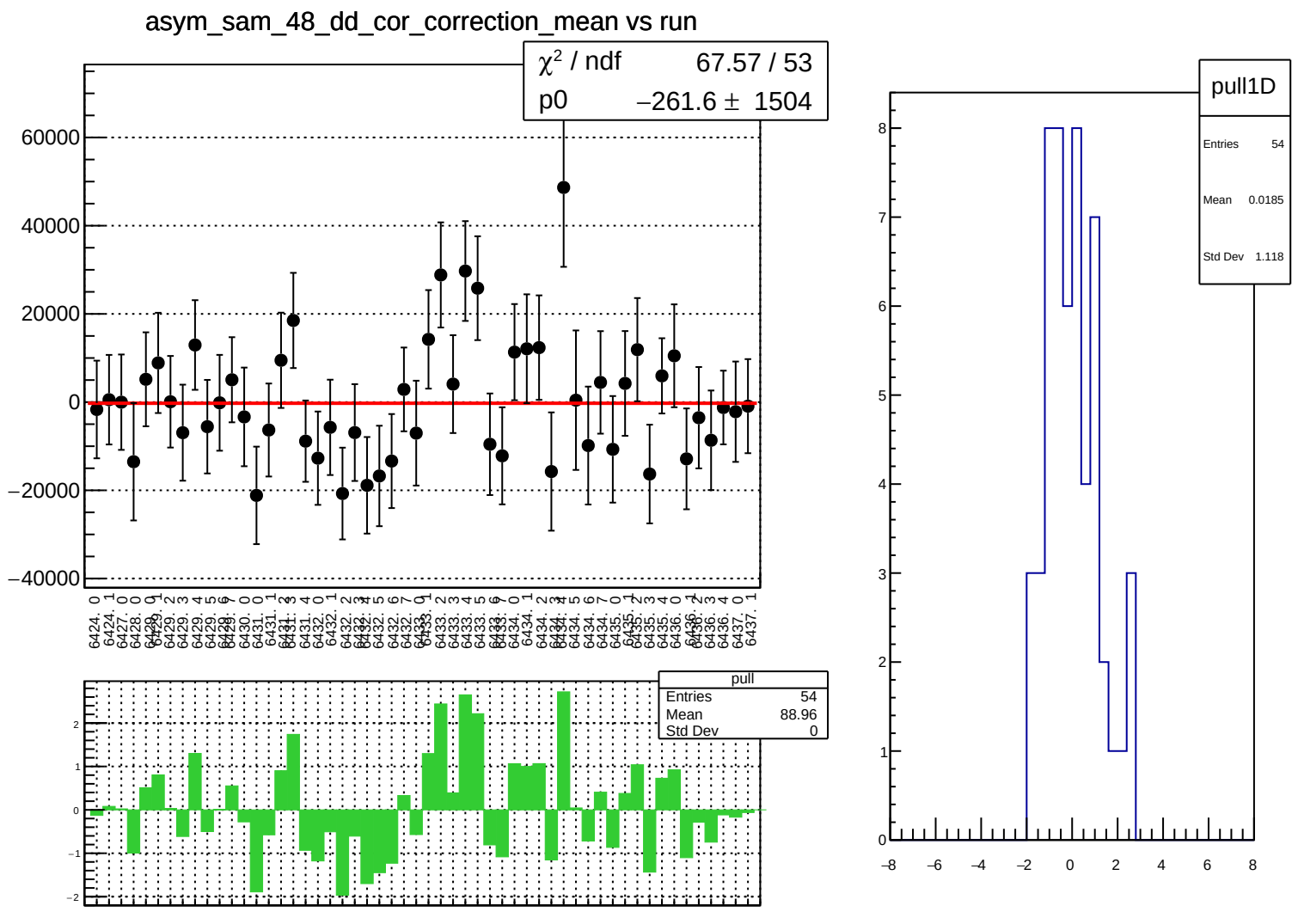

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 67.57 / 53
p0 −261.6 ± 1504
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 88.96
Std Dev 0
pull1D
Entries 54
Mean 0.01851
Std Dev 1.118

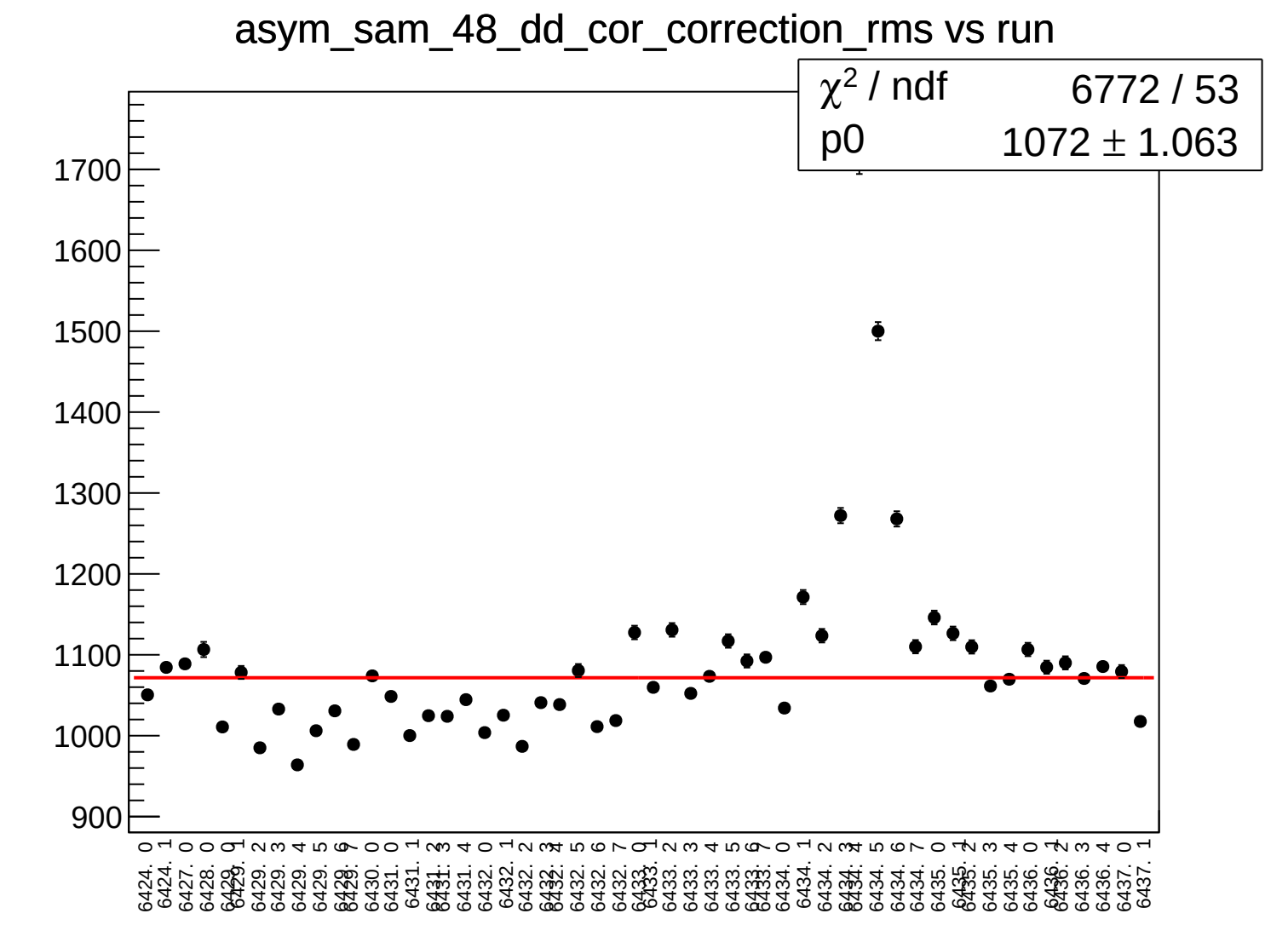

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 6772 / 53
p0 1072 ± 1.063
1700
1600
1500
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

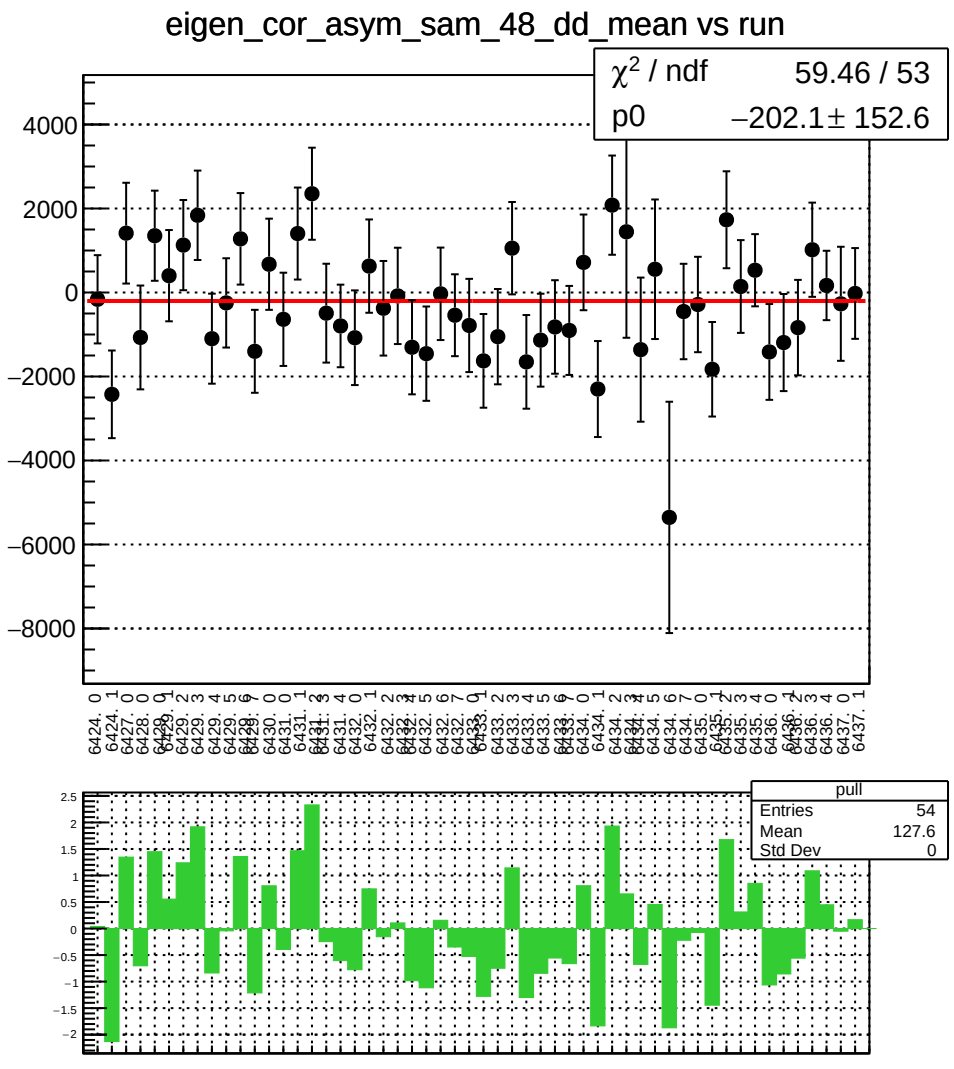

cor_asym_sam_48_dd_mean vs run
χ² / ndf 59.46 / 53
p0 −202.1± 152.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 127.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

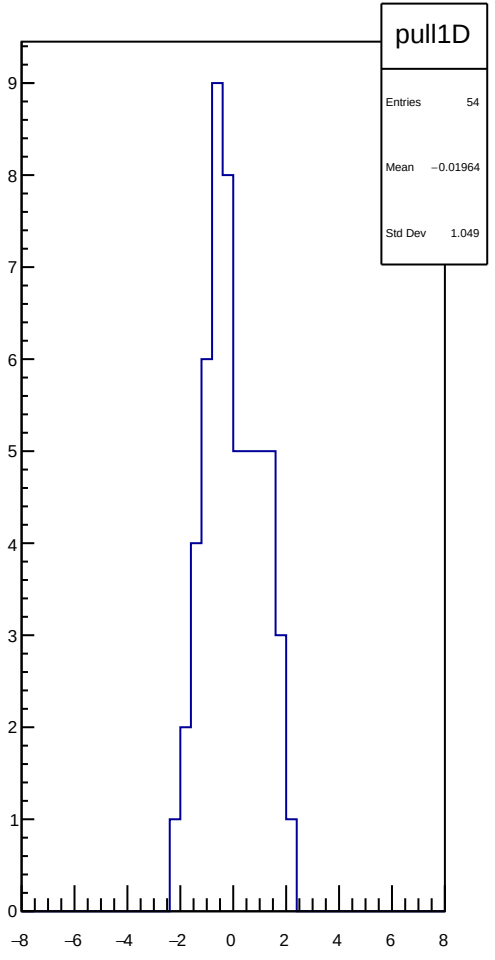

pull1D
Entries 54
Mean −0.01964
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

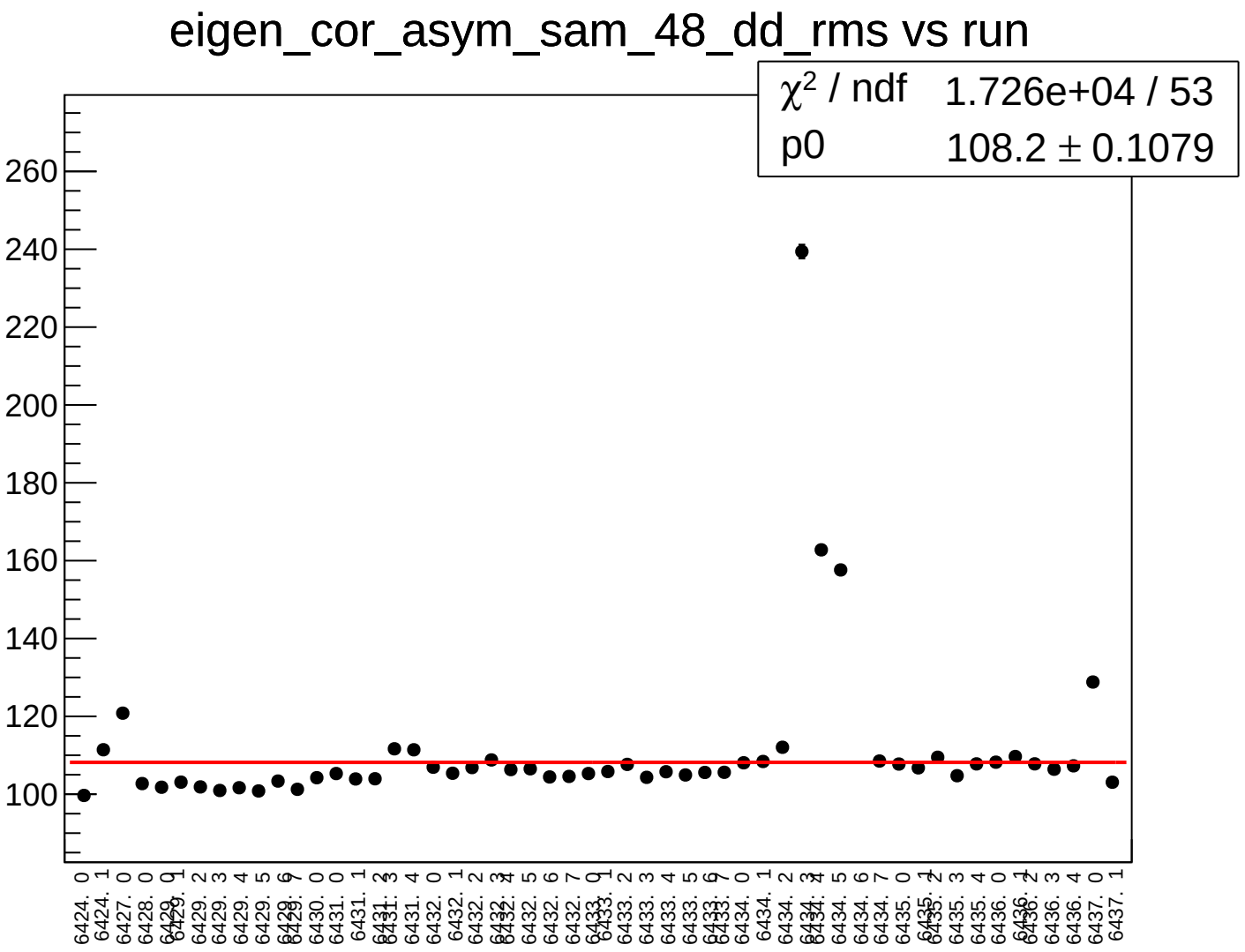

cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.726e+04 / 53
p0 108.2 ± 0.1079
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

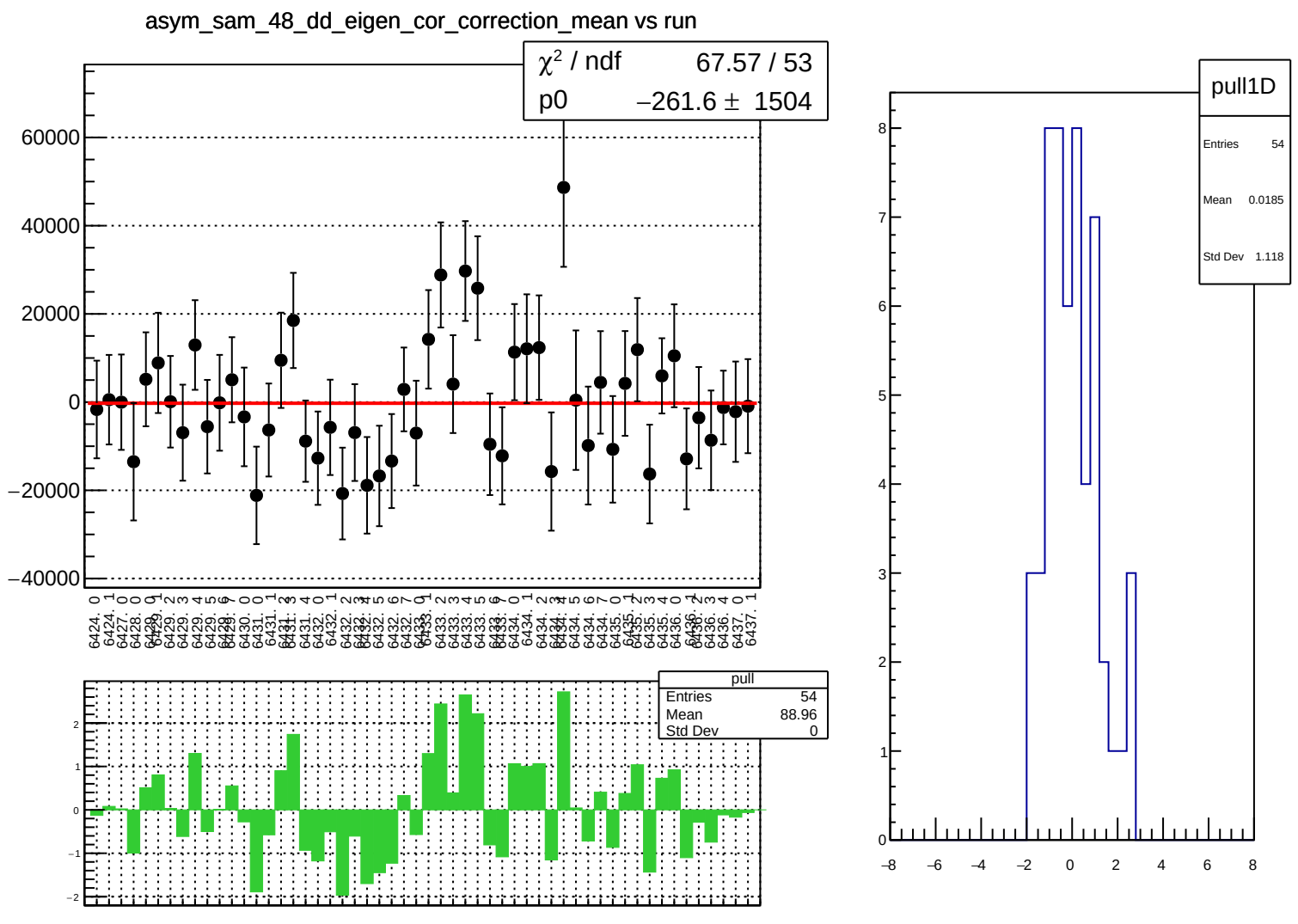

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 67.57 / 53
p0 −261.6 ± 1504
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 88.96
Std Dev 0
pull1D
Entries 54
Mean 0.0185
Std Dev 1.118

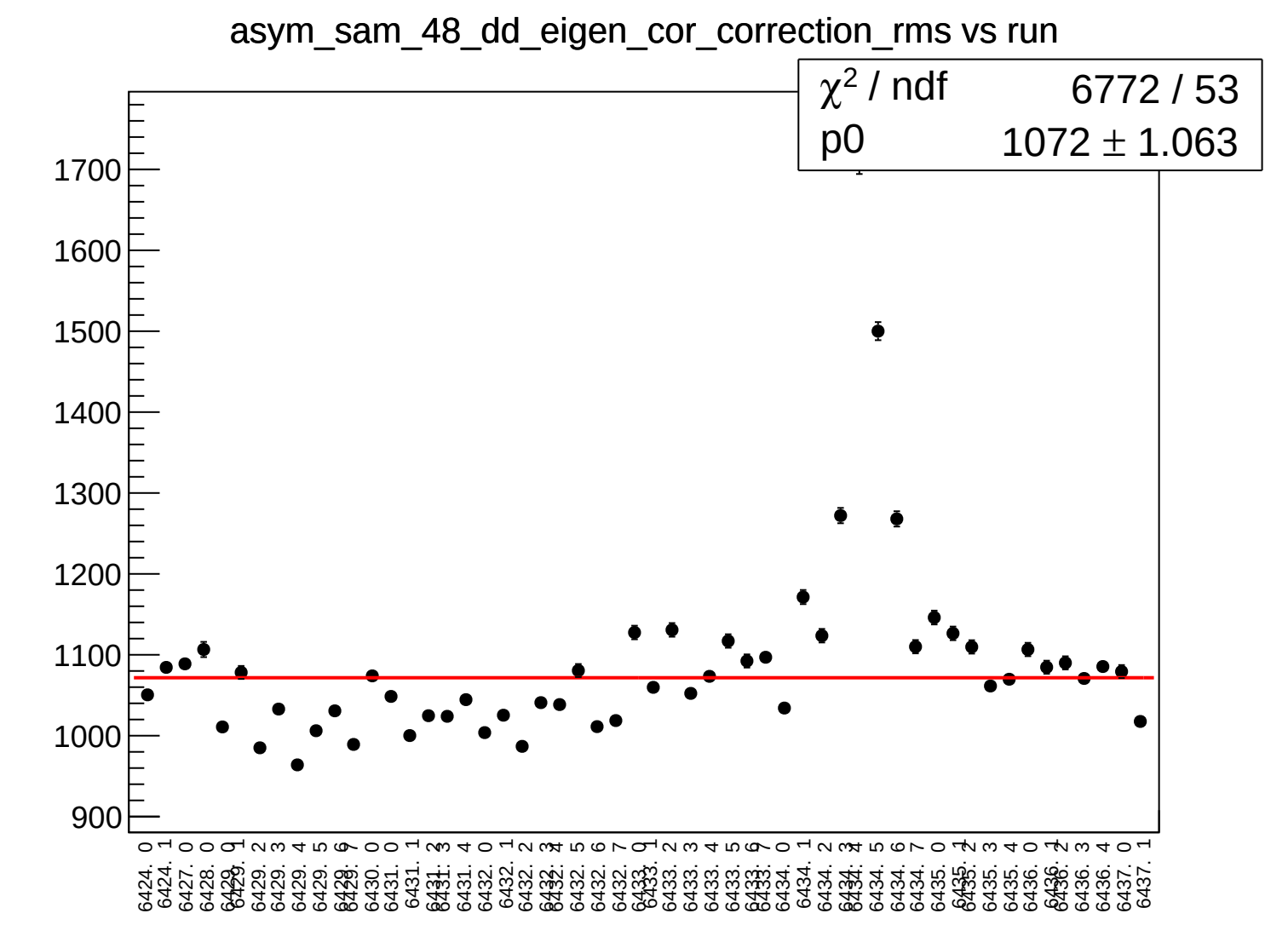

asym_sam_48_dd_cor_correction_rms vs run
χ^2 / ndf 6772 / 53
p0 1072 ± 1.063
1700
1600
1500
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

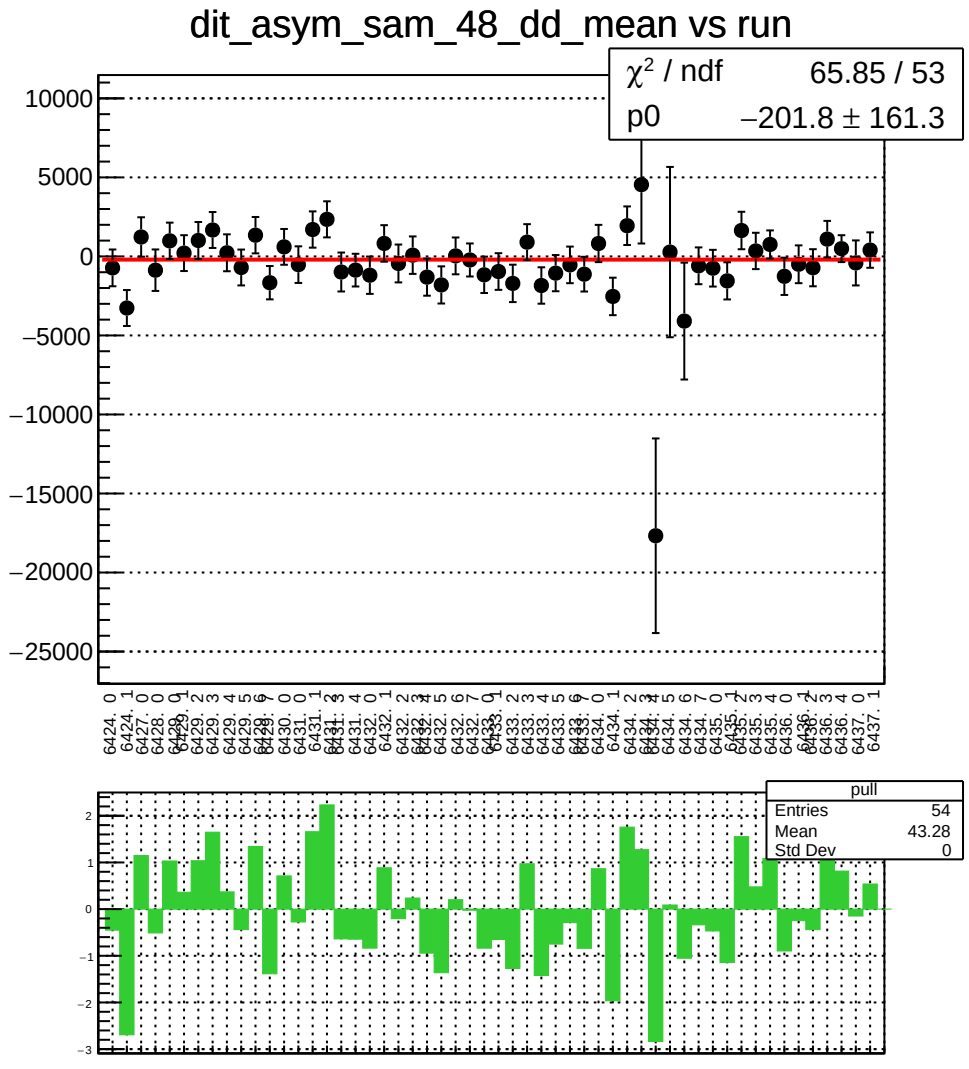

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 59.46 / 53
p0 −202.1± 152.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 54
Mean 127.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

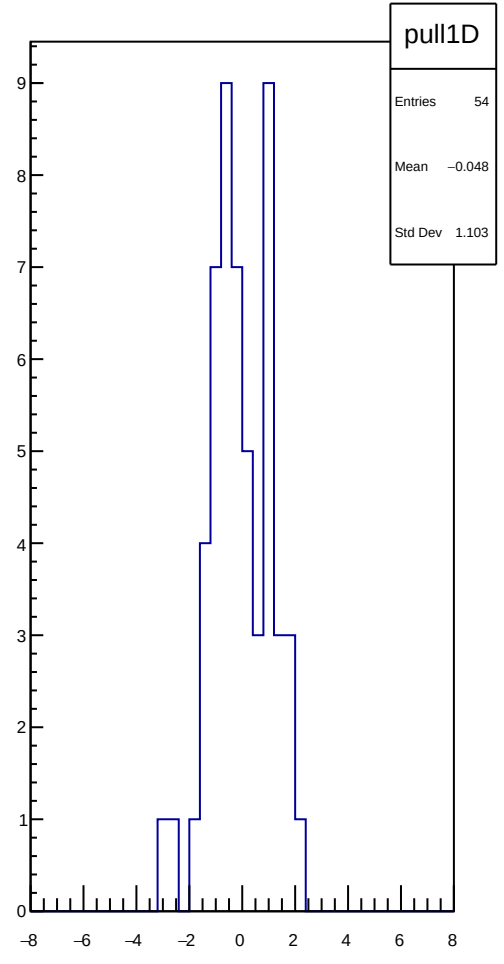

pull1D
Entries 54
Mean −0.01964
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

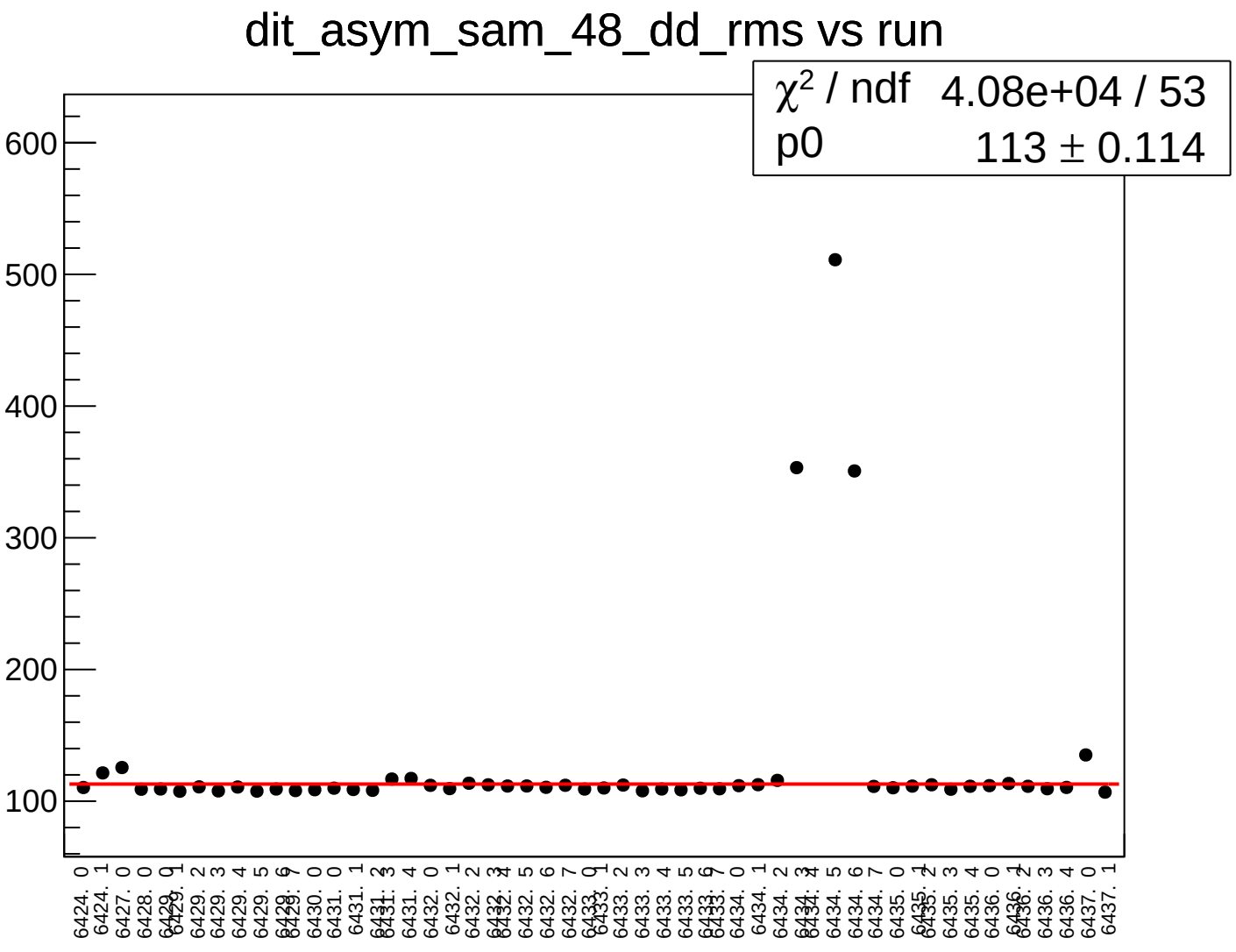

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1.726e+04 / 53
p0 108.2 ± 0.1079
260
240
220
200
180
160
140
120
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

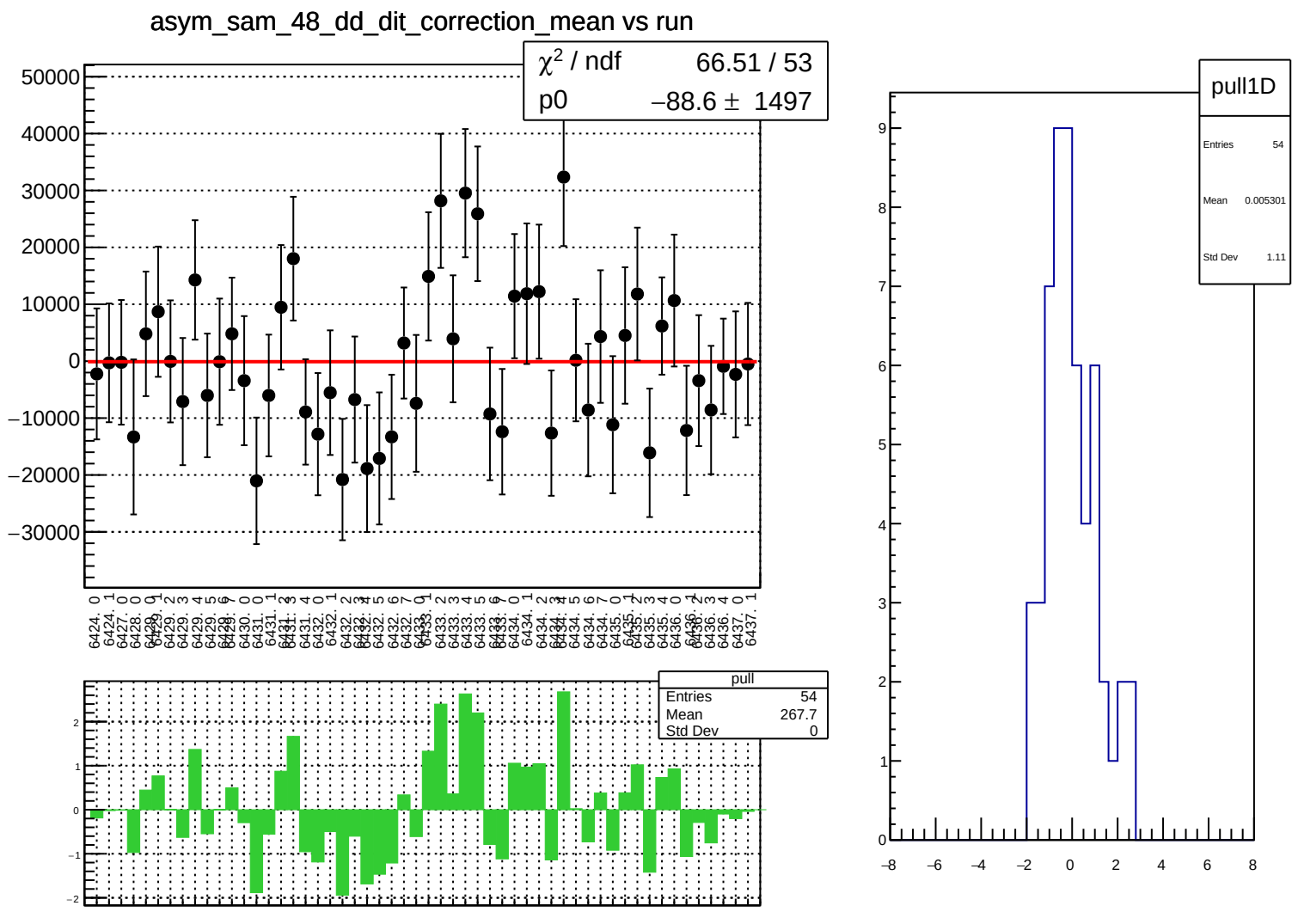

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.57 / 53
p0 −261.6 ± 1504
pull
Entries 54
Mean 88.96
Std Dev 0
pull1D
Entries 54
Mean 0.0185
Std Dev 1.118

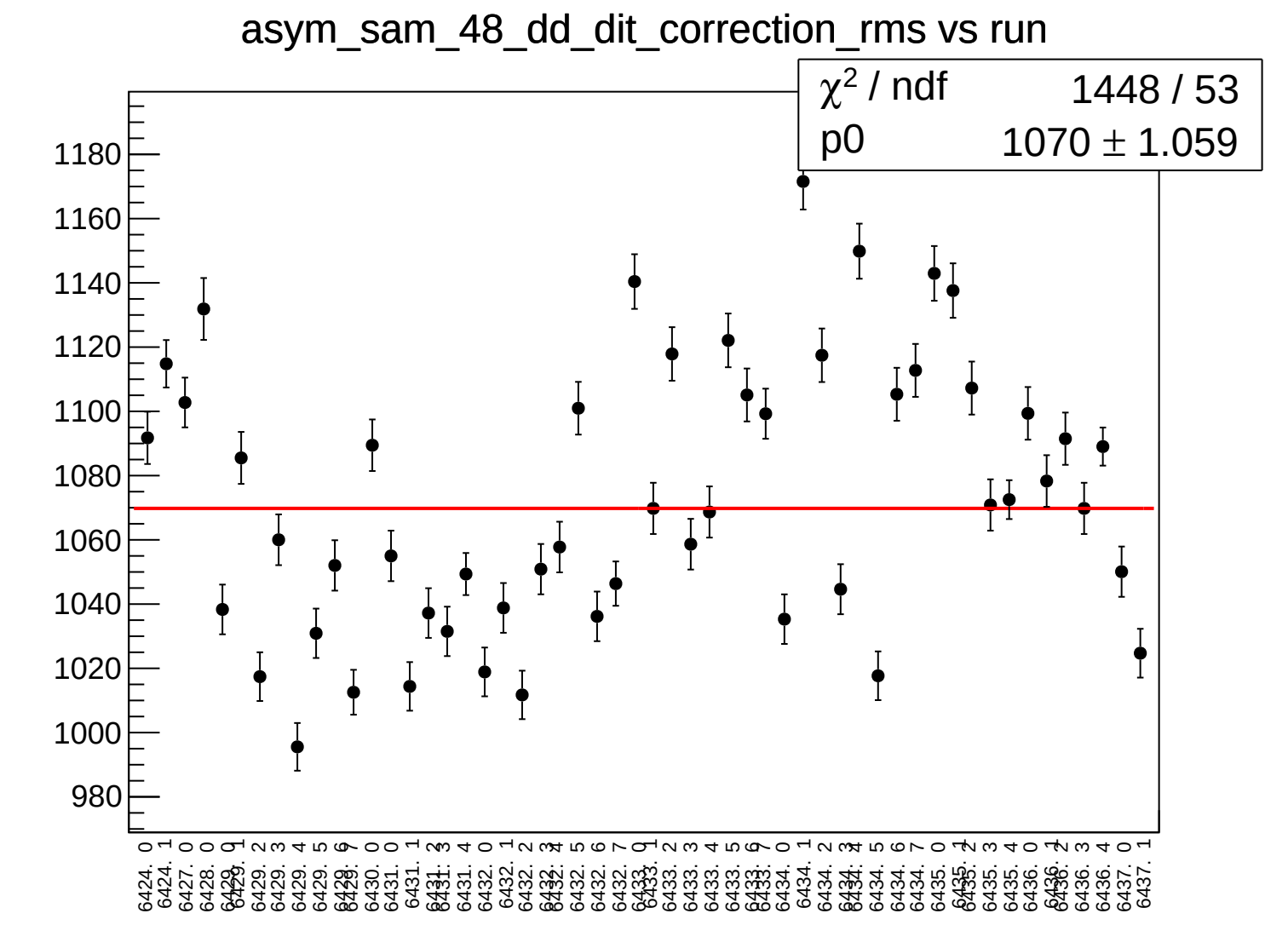

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6772 / 53
p0 1072 ± 1.063
1700
1600
1500
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

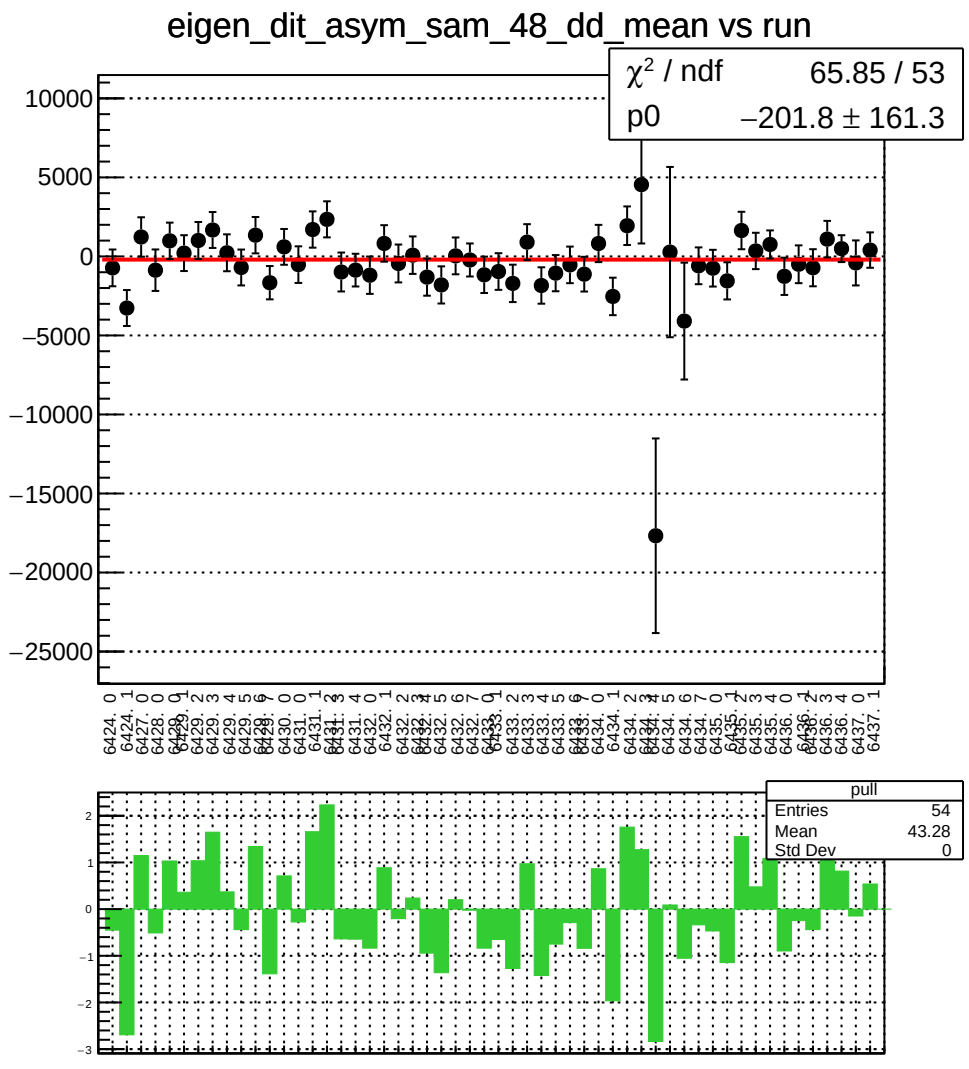

dit_asym_sam_48_dd_mean vs run
χ² / ndf 65.85 / 53
p0 −201.8 ± 161.3
pull
Entries 54
Mean 43.28
Std Dev 0

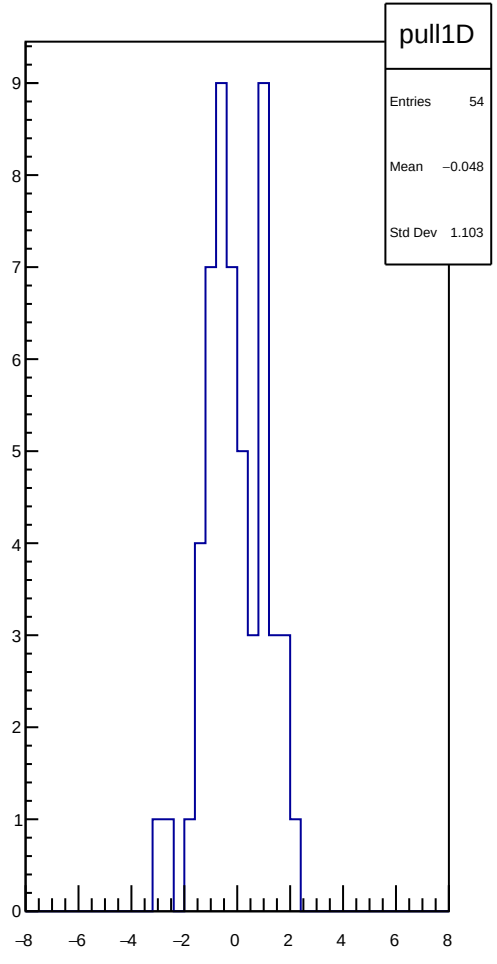

pull1D
Entries 54
Mean −0.048
Std Dev 1.103

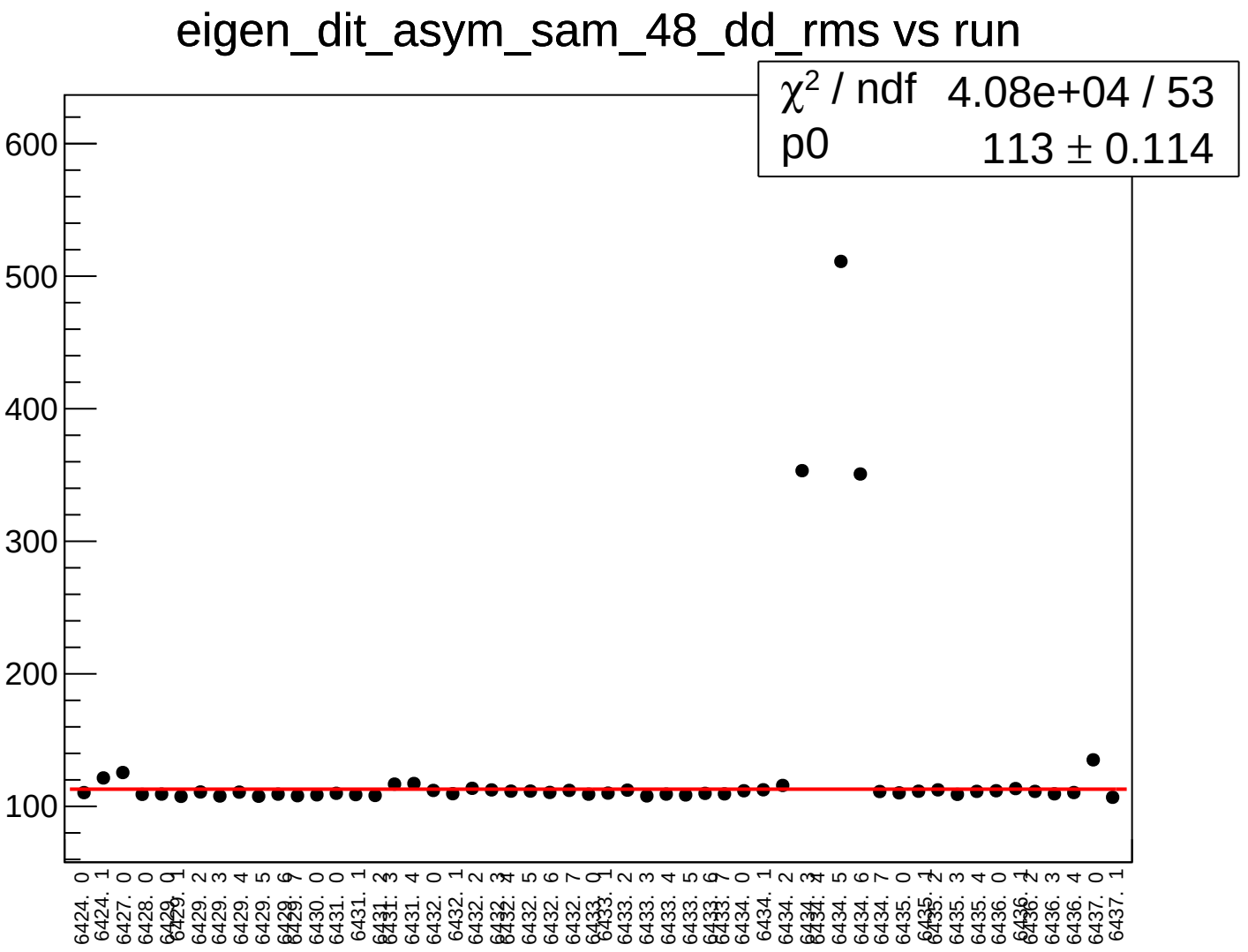

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 4.08e+04 / 53
p0 113 ± 0.114
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 66.51 / 53
p0 −88.6 ± 1497
pull
Entries 54
Mean 267.7
Std Dev 0
pull1D
Entries 54
Mean 0.005301
Std Dev 1.11

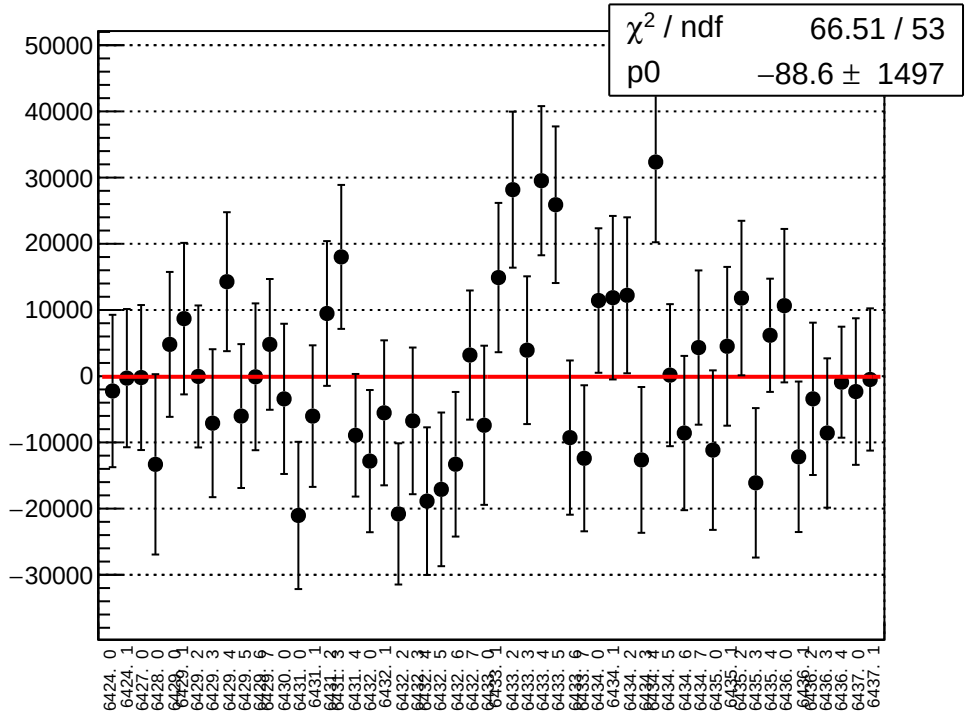

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1448 / 53
p0 1070 ± 1.059
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

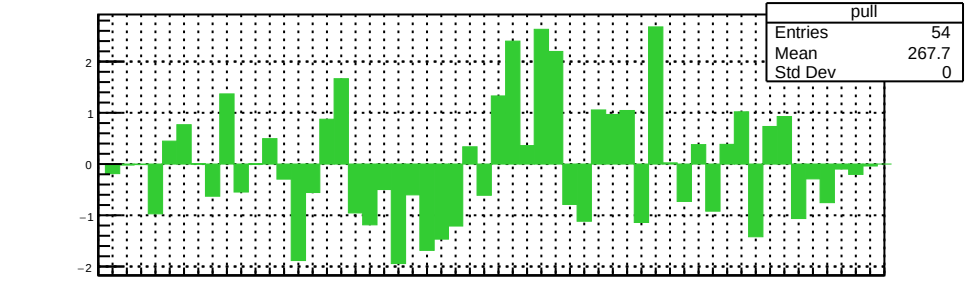

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 65.85 / 53
p0 −201.8 ± 161.3
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 54
Mean 43.28
Std Dev 0
2
1
0
−1
−2
−3

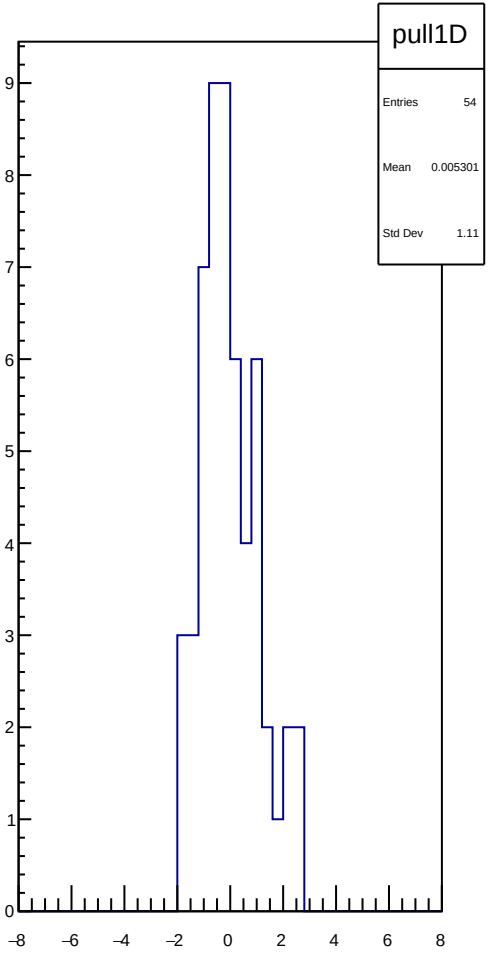

pull1D
Entries 54
Mean −0.048
Std Dev 1.103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

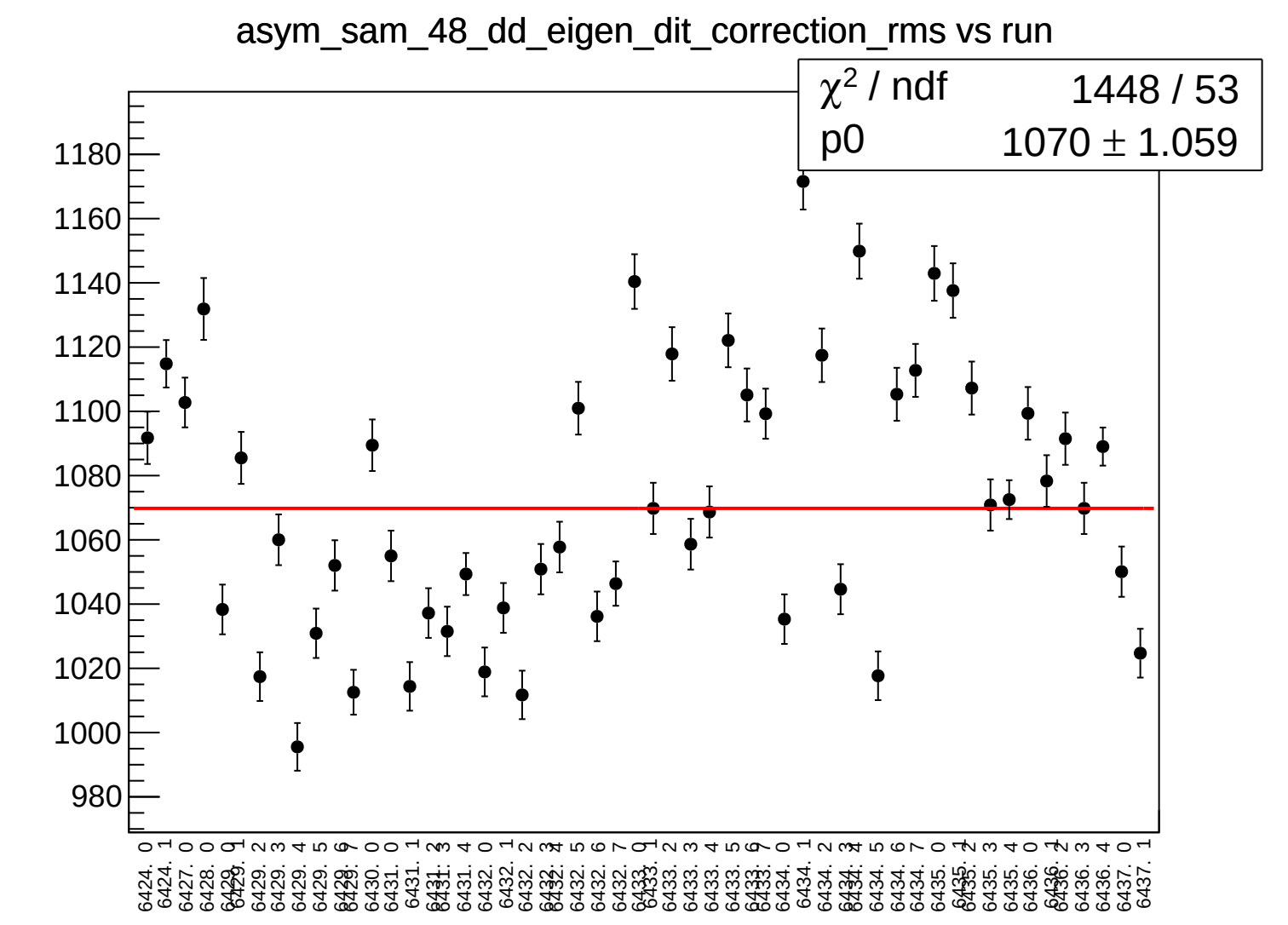

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 4.08e+04 / 53
p0 113 ± 0.114
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

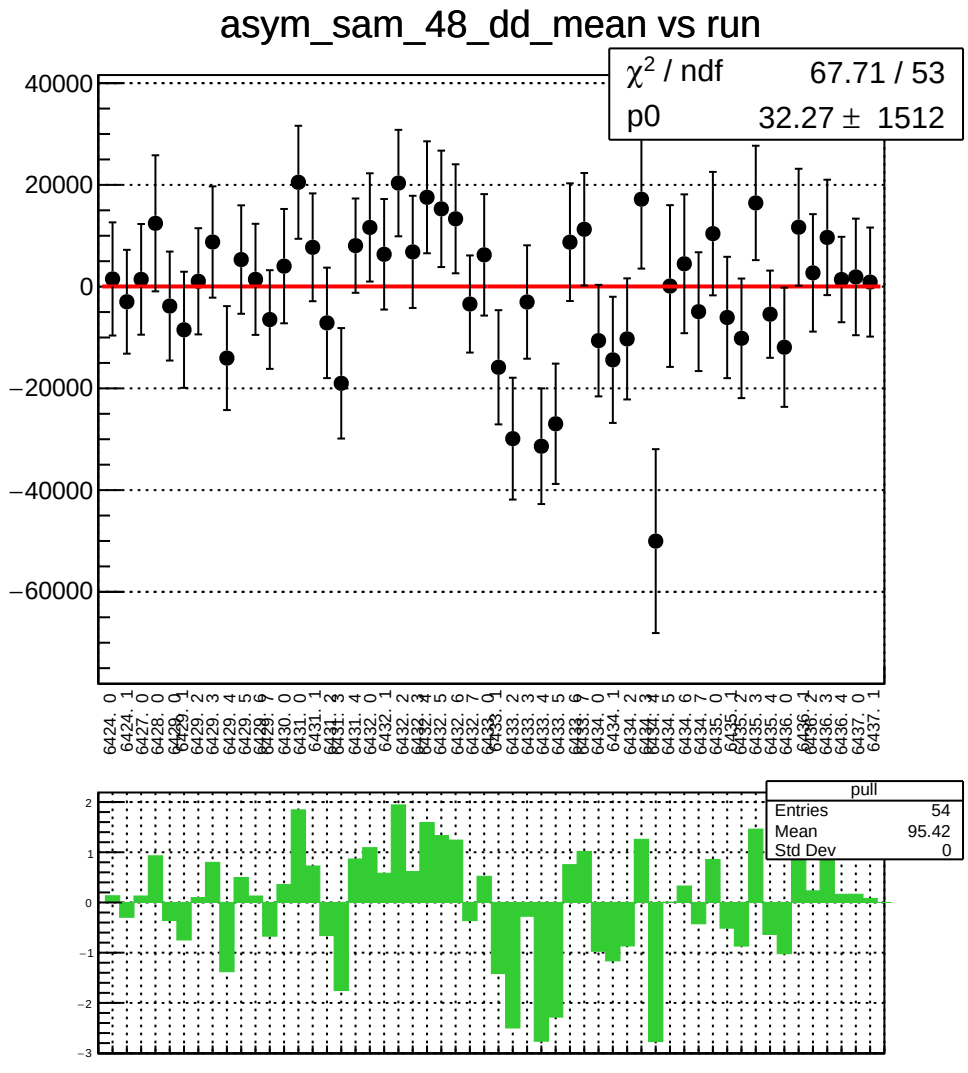
asym_sam_48_dd_eigen_dit_correction_mean vs run

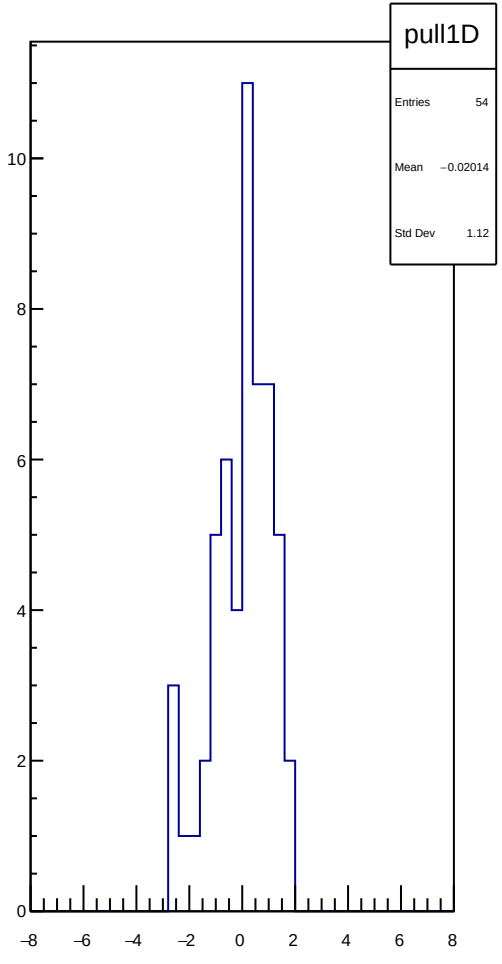


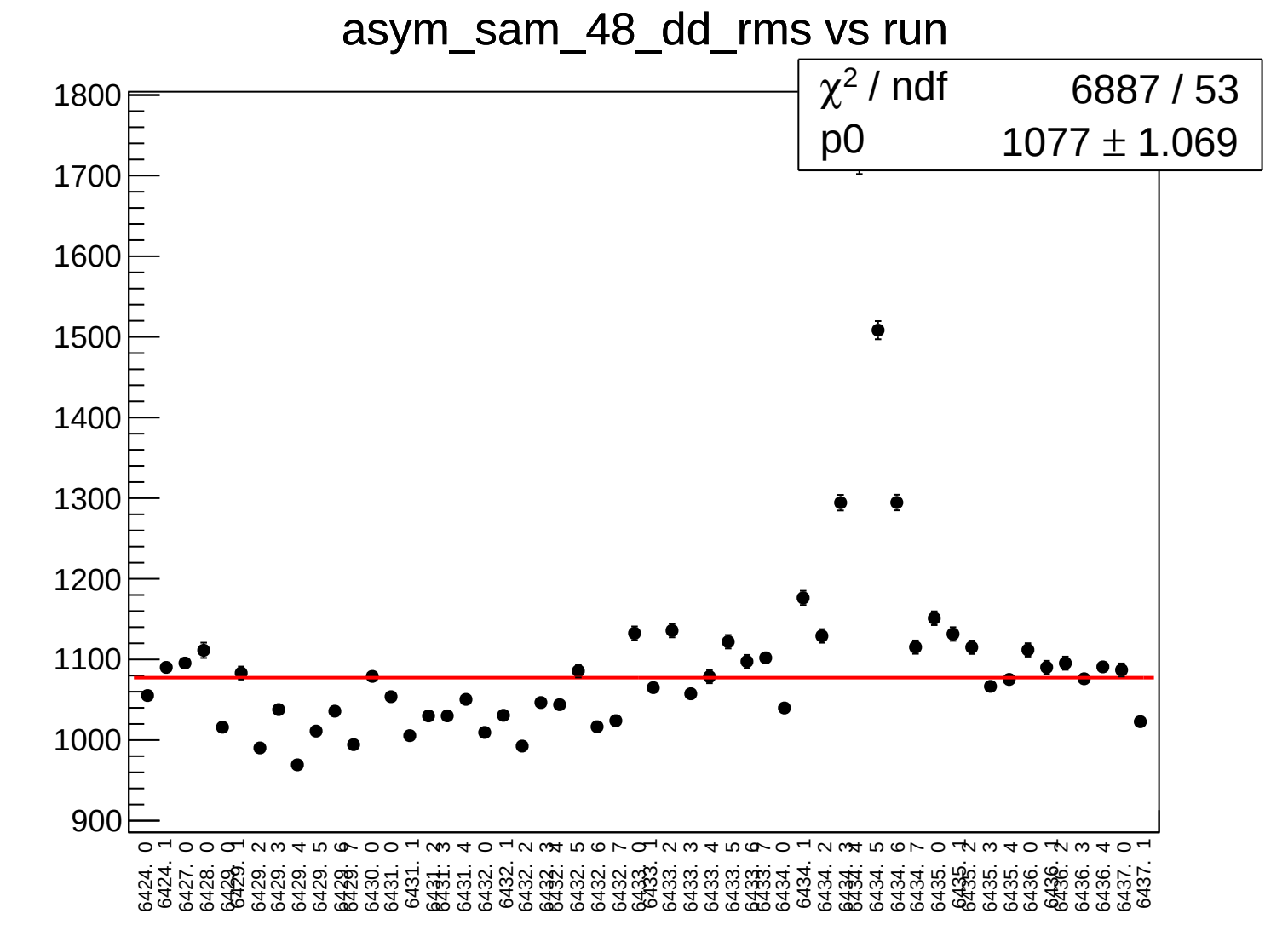


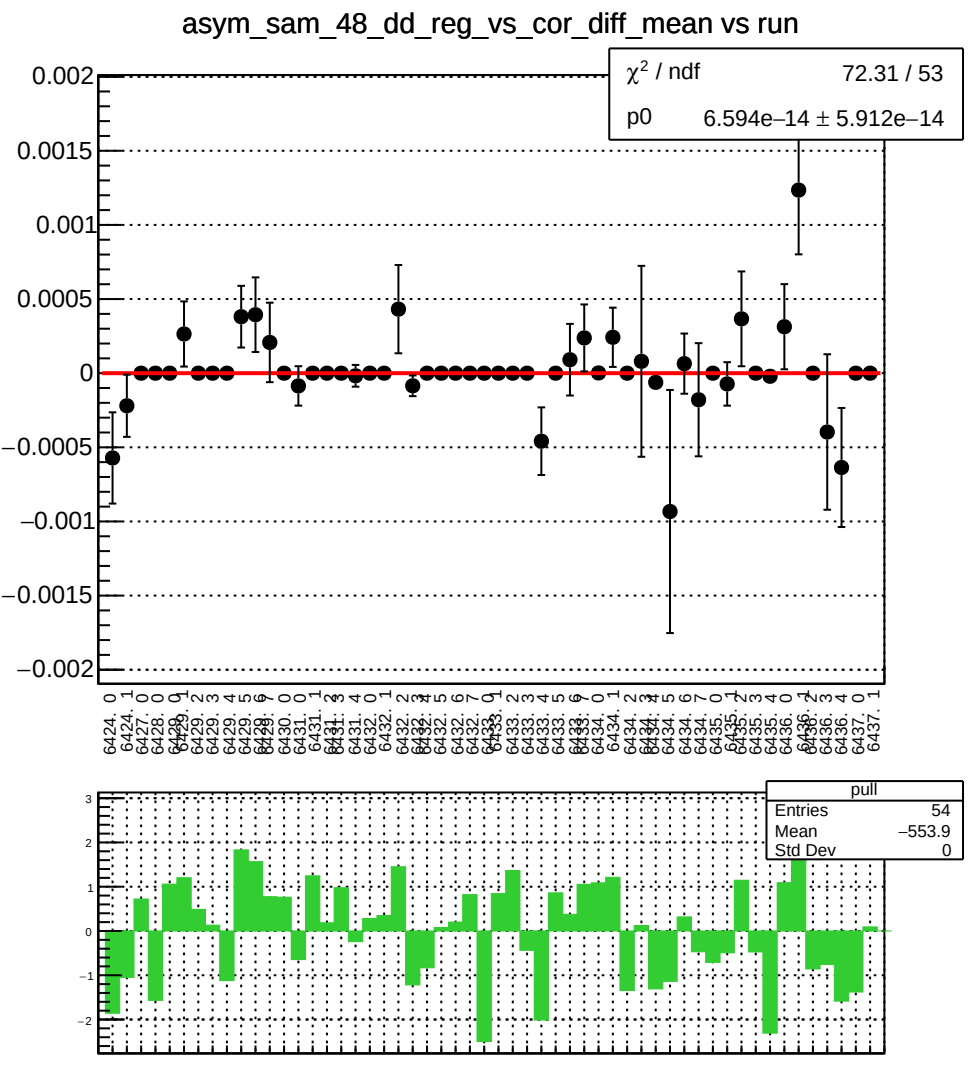


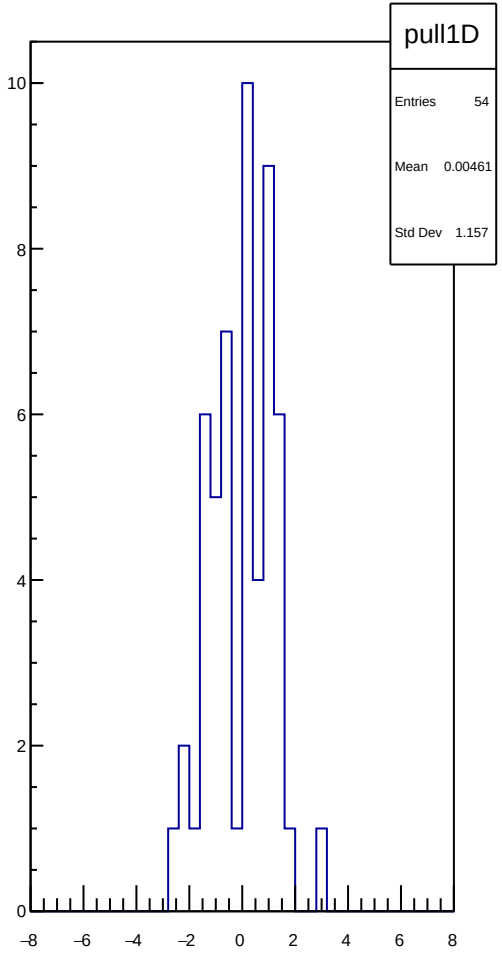

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1448 / 53
p0 1070 ± 1.059
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

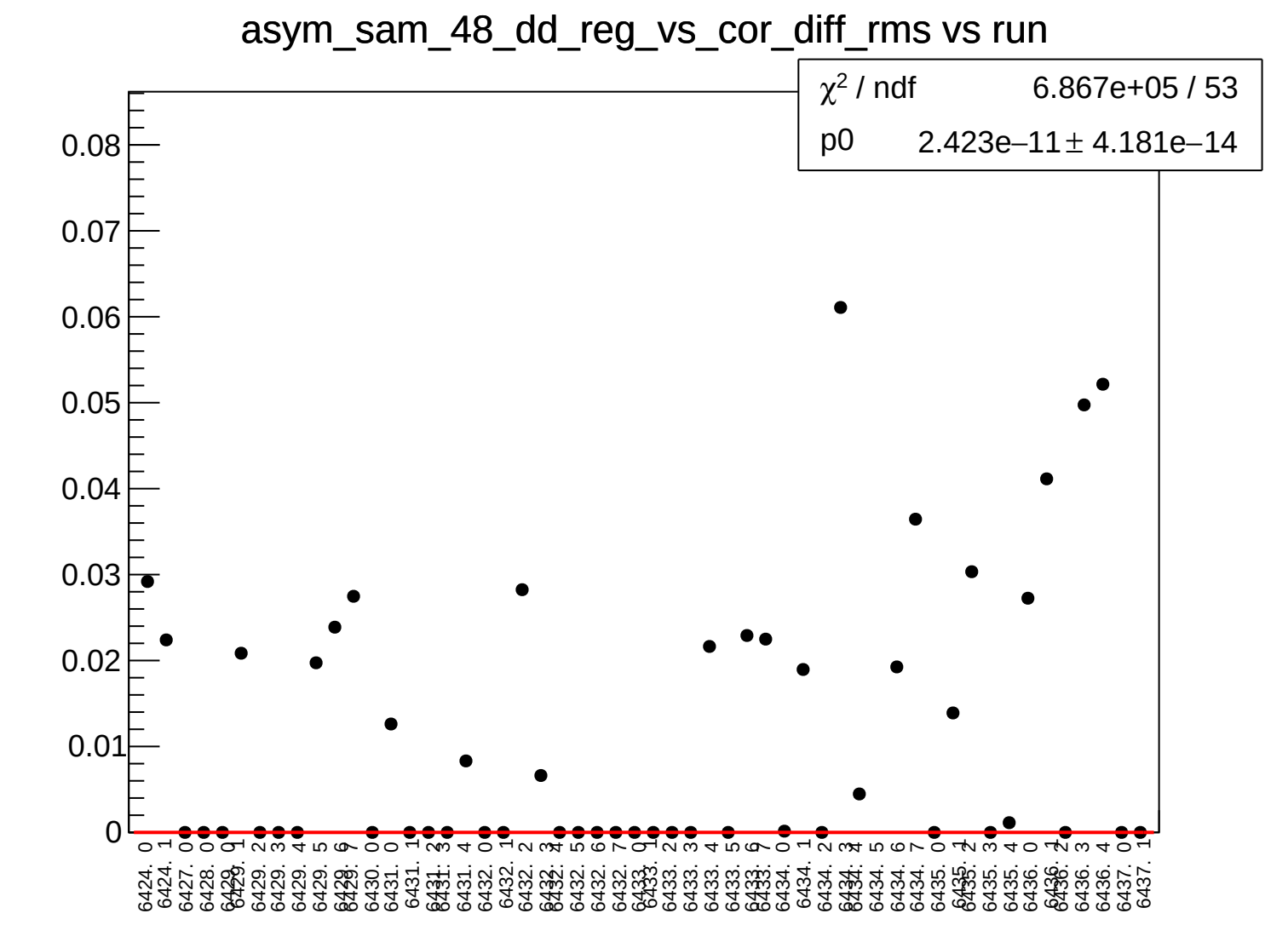

asym_sam_48_dd_mean vs run
χ² / ndf 67.71 / 53
p0 32.27 ± 1512
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 95.42
Std Dev 0
2
1
0
−1
−2
−3

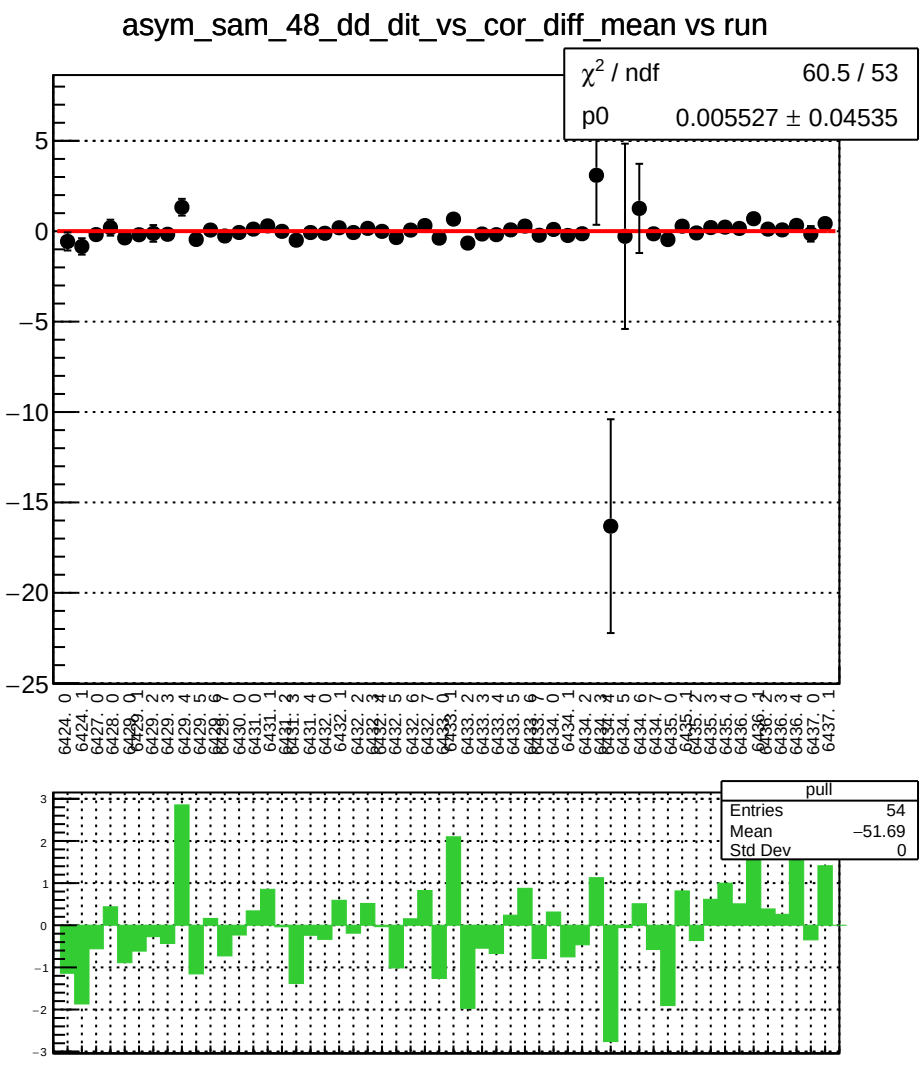

pull1D
Entries 54
Mean −0.02014
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

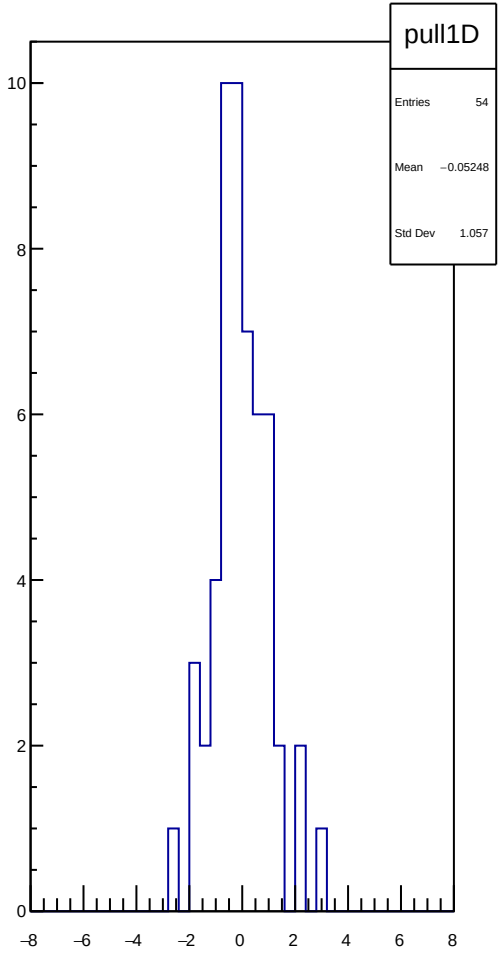

asym_sam_48_dd_rms vs run
χ^2 / ndf 6887 / 53
p0 1077 ± 1.069
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

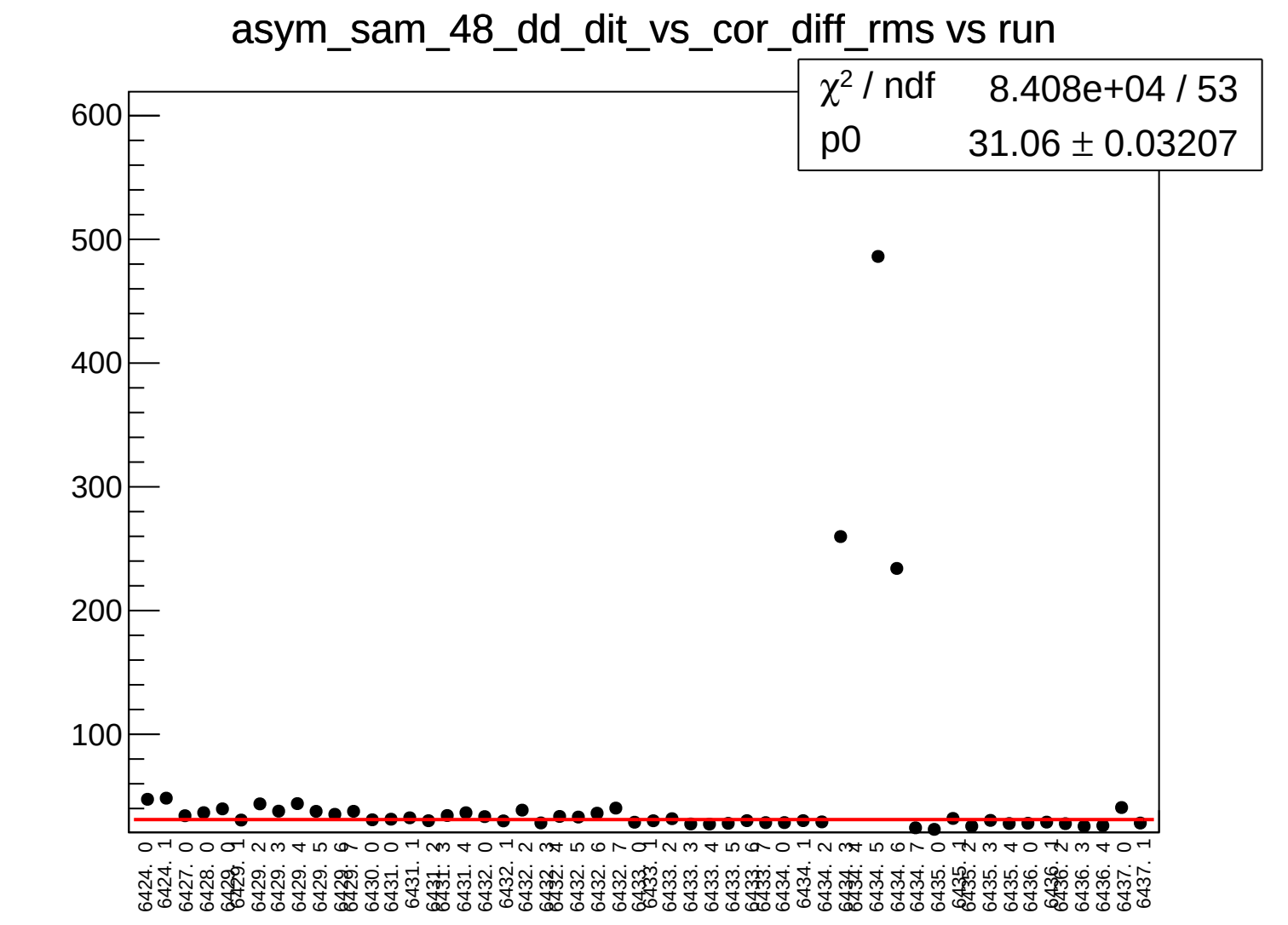

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.31 / 53
p0 6.594e−14 ± 5.912e−14
pull
Entries 54
Mean −553.9
Std Dev 0

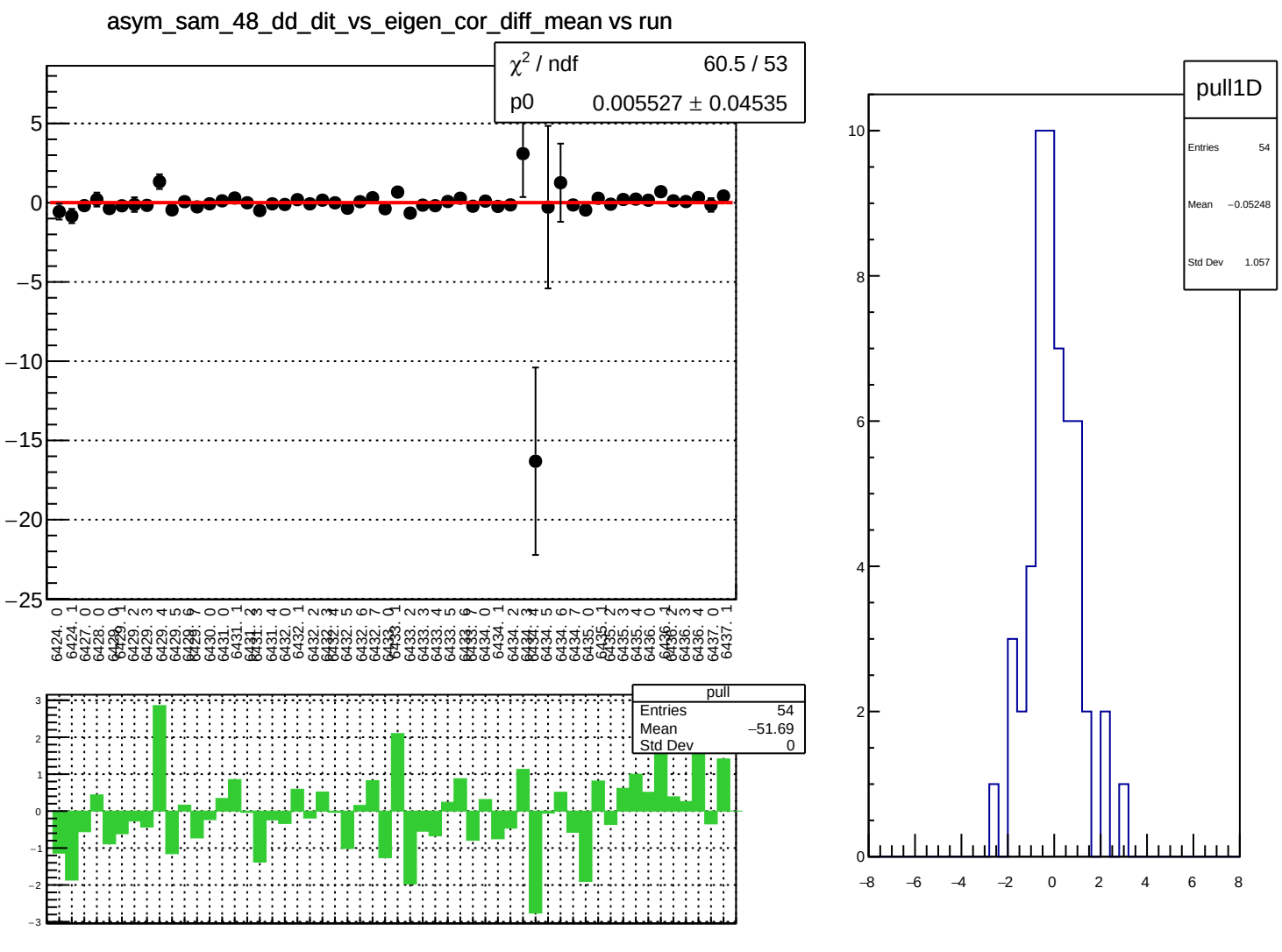

pull1D
Entries 54
Mean 0.00461
Std Dev 1.157

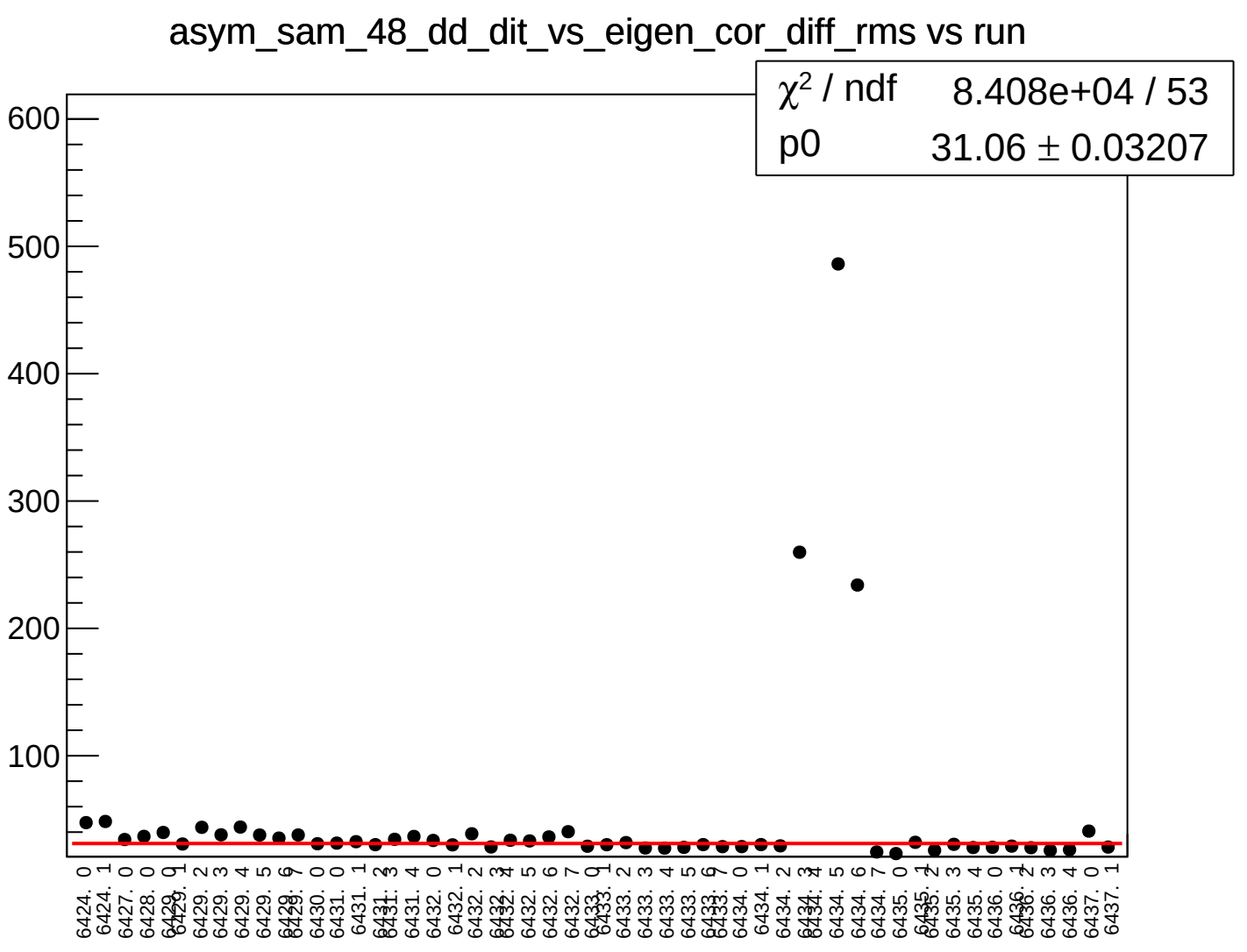

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.867e+05 / 53
p0 2.423e−11 ± 4.181e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0

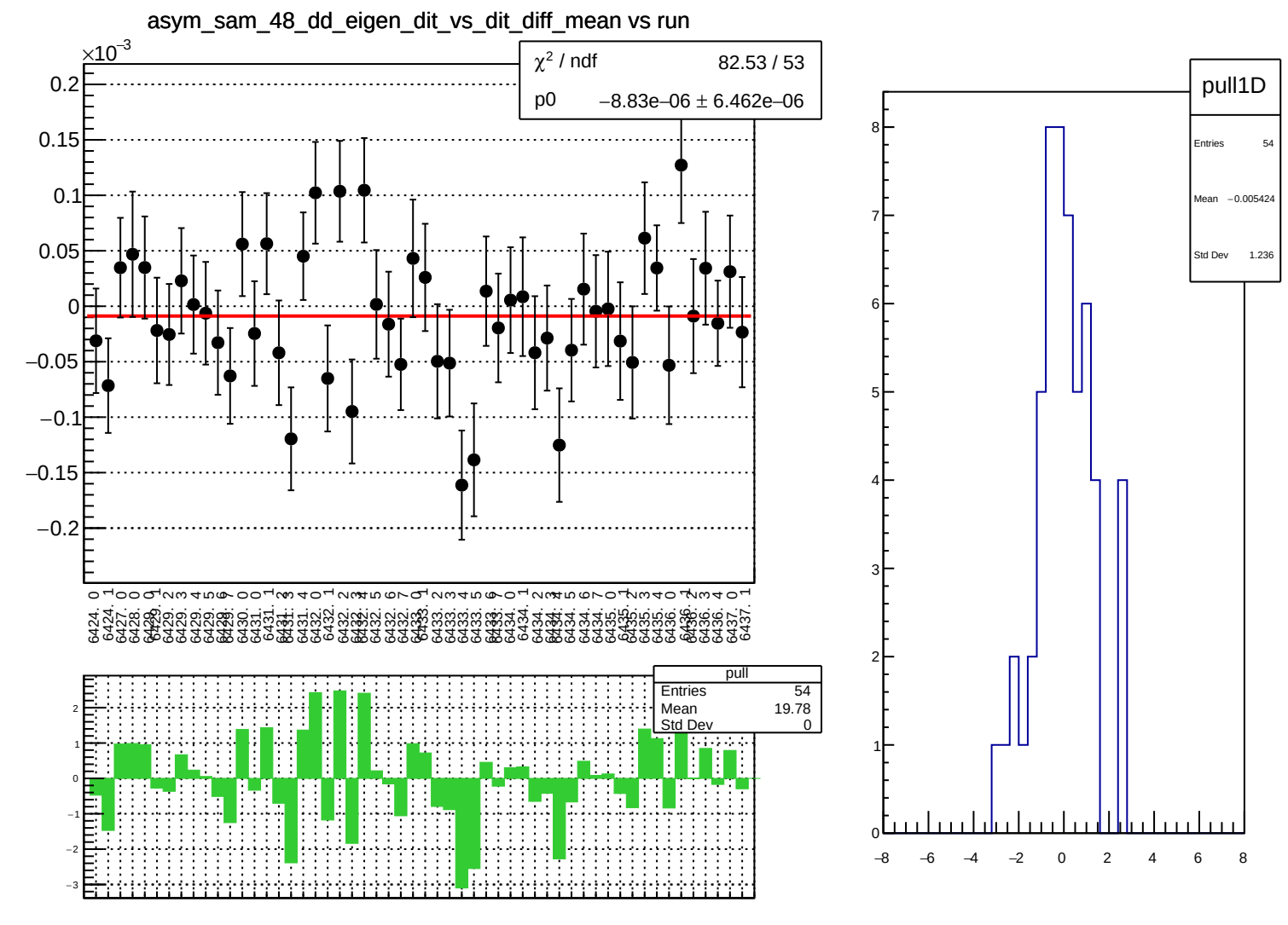

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.5 / 53
p0 0.005527 ± 0.04535
pull
Entries 54
Mean −51.69
Std Dev 0

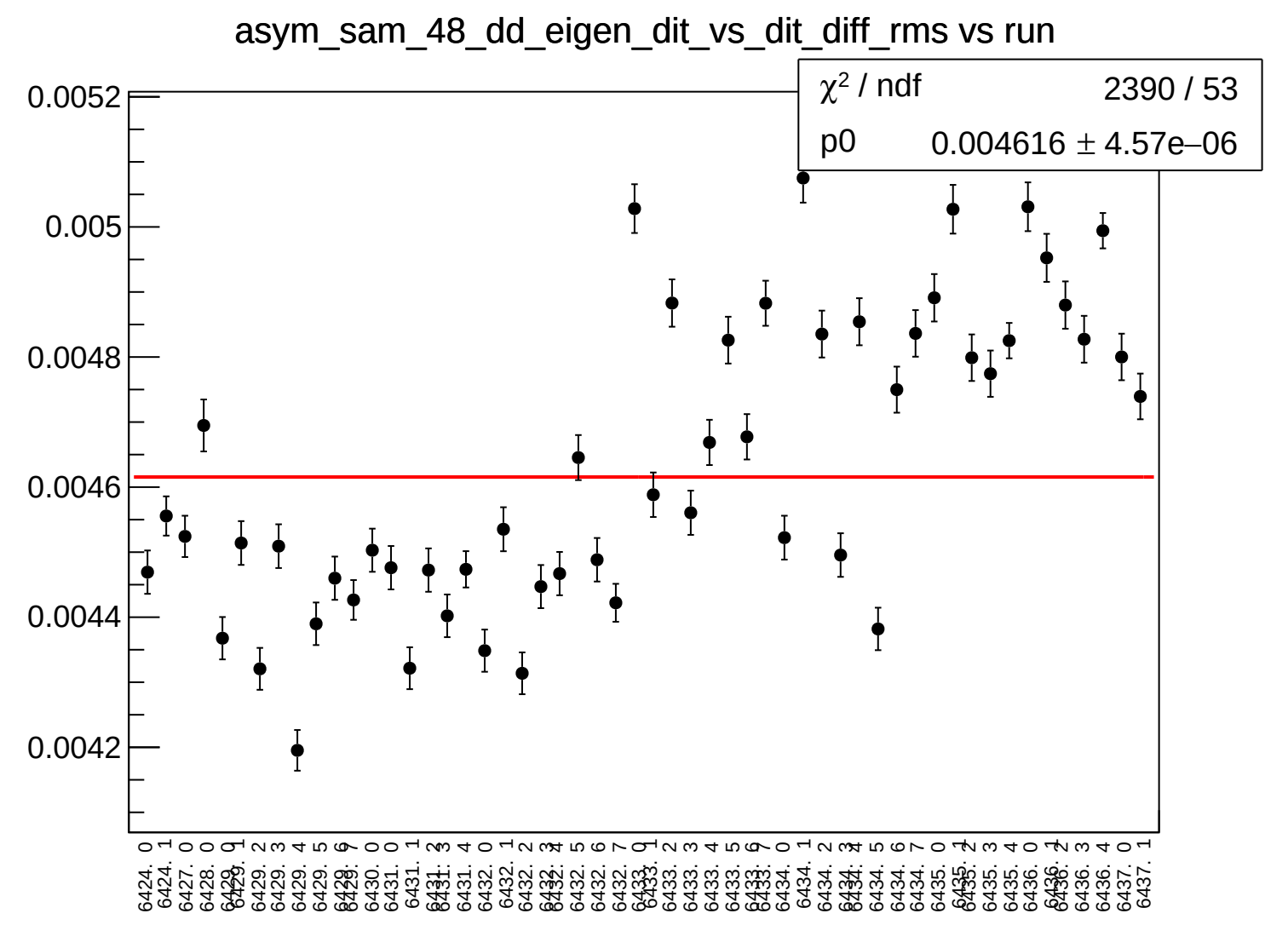

pull1D
Entries 54
Mean −0.05248
Std Dev 1.057

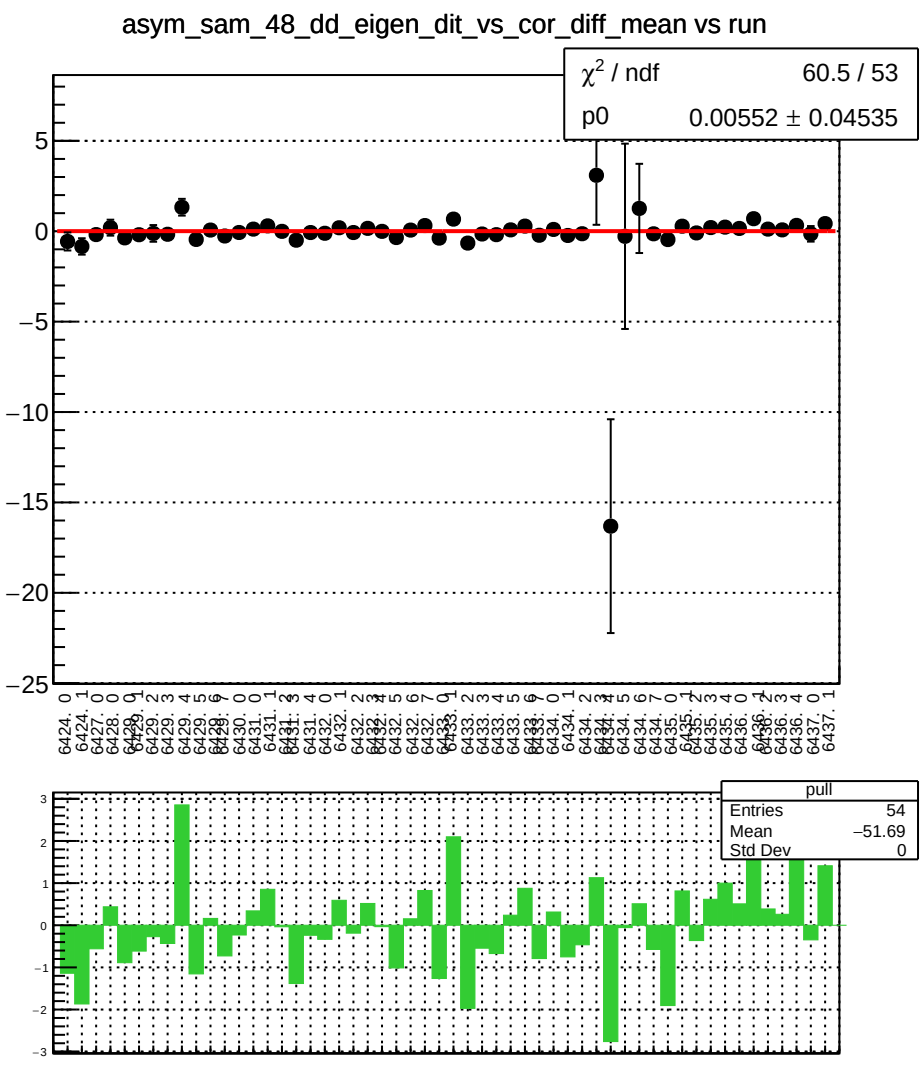

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.408e+04 / 53
p0 31.06 ± 0.03207
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

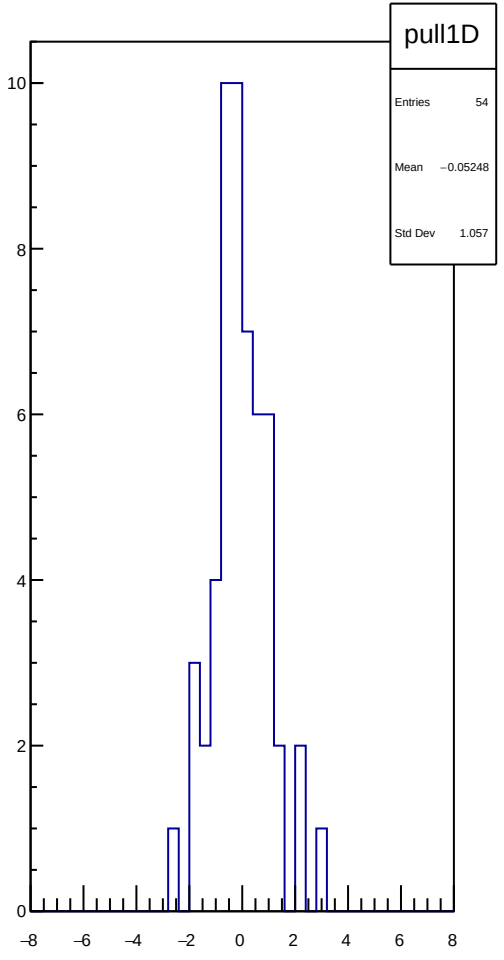

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.5 / 53
p0 0.005527 ± 0.04535
pull
Entries 54
Mean −51.69
Std Dev 0
pull1D
Entries 54
Mean −0.05248
Std Dev 1.057

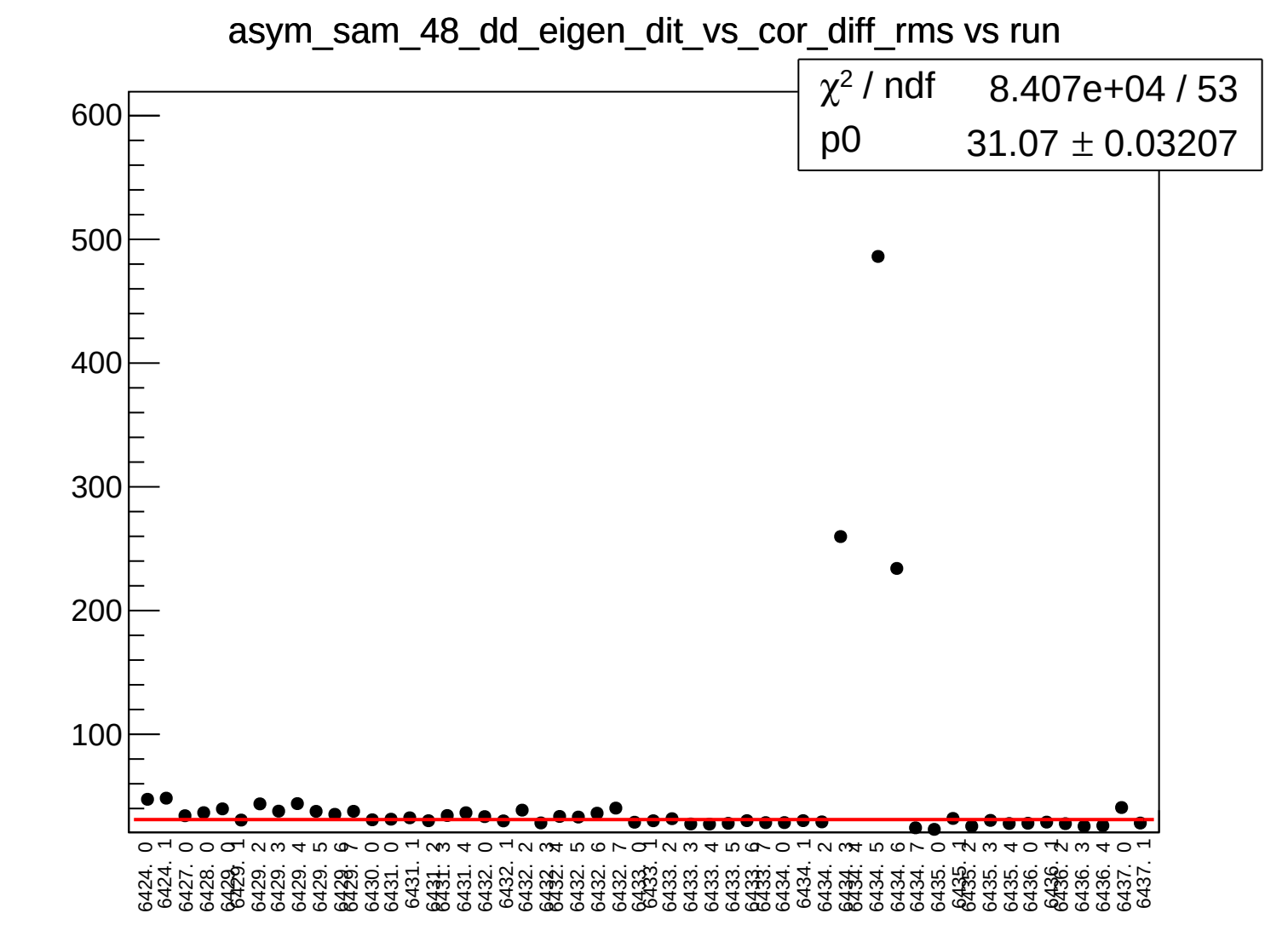

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.408e+04 / 53
p0 31.06 ± 0.03207
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

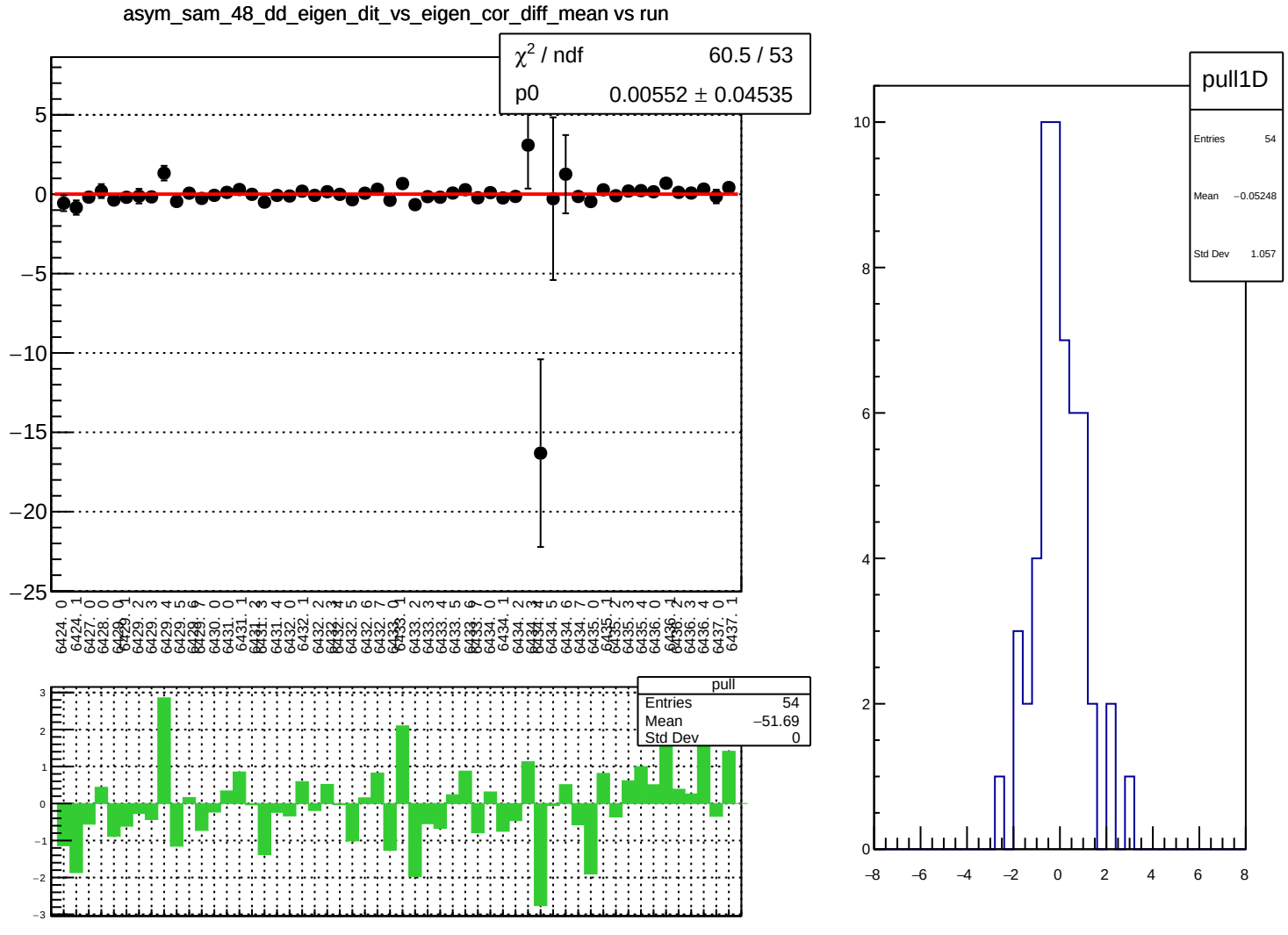

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.53 / 53
p0 −8.83e−06 ± 6.462e−06
pull
Entries 54
Mean 19.78
Std Dev 0
pull1D
Entries 54
Mean −0.005424
Std Dev 1.236

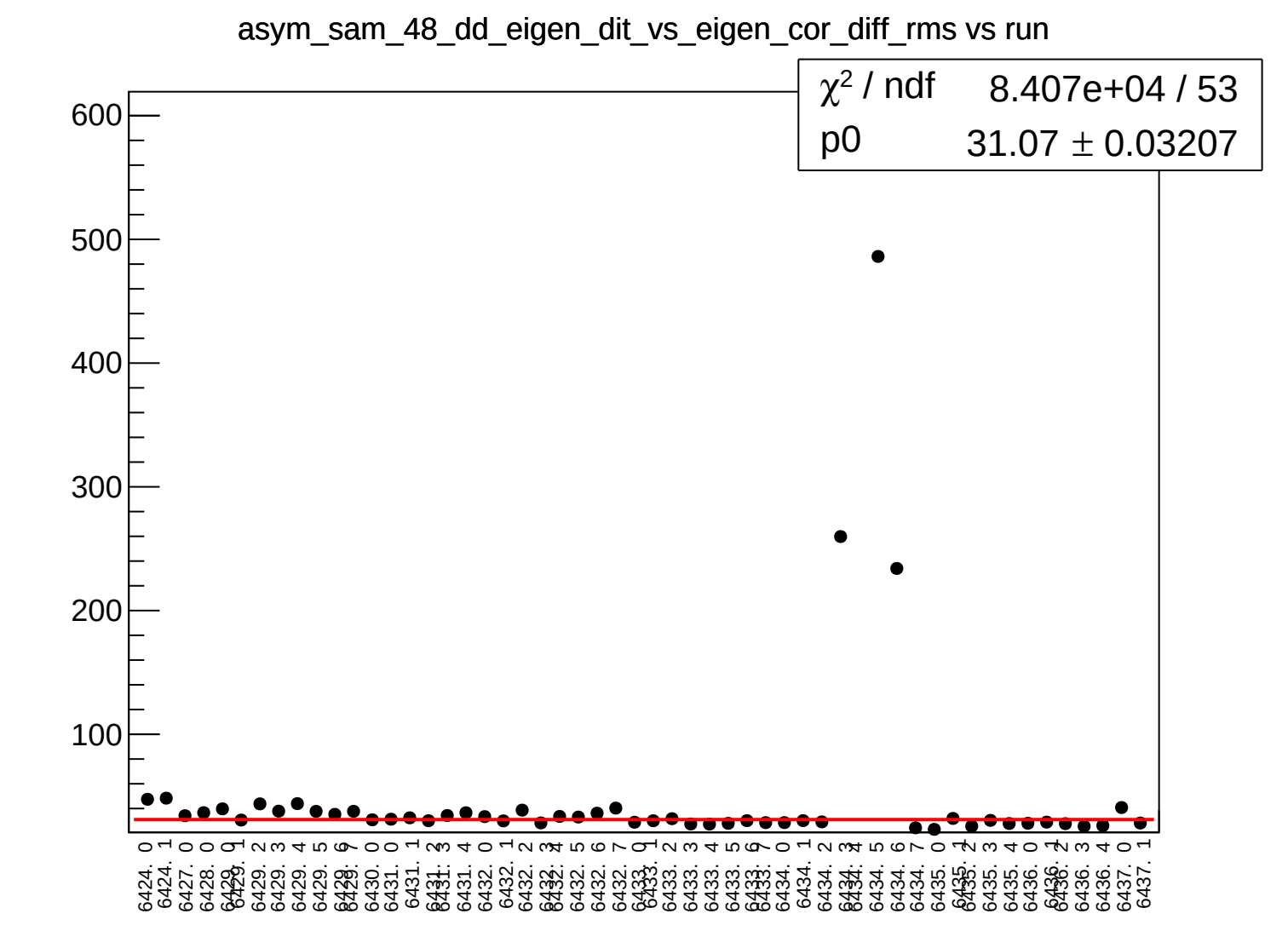

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2390 / 53
p0 0.004616 ± 4.57e–06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

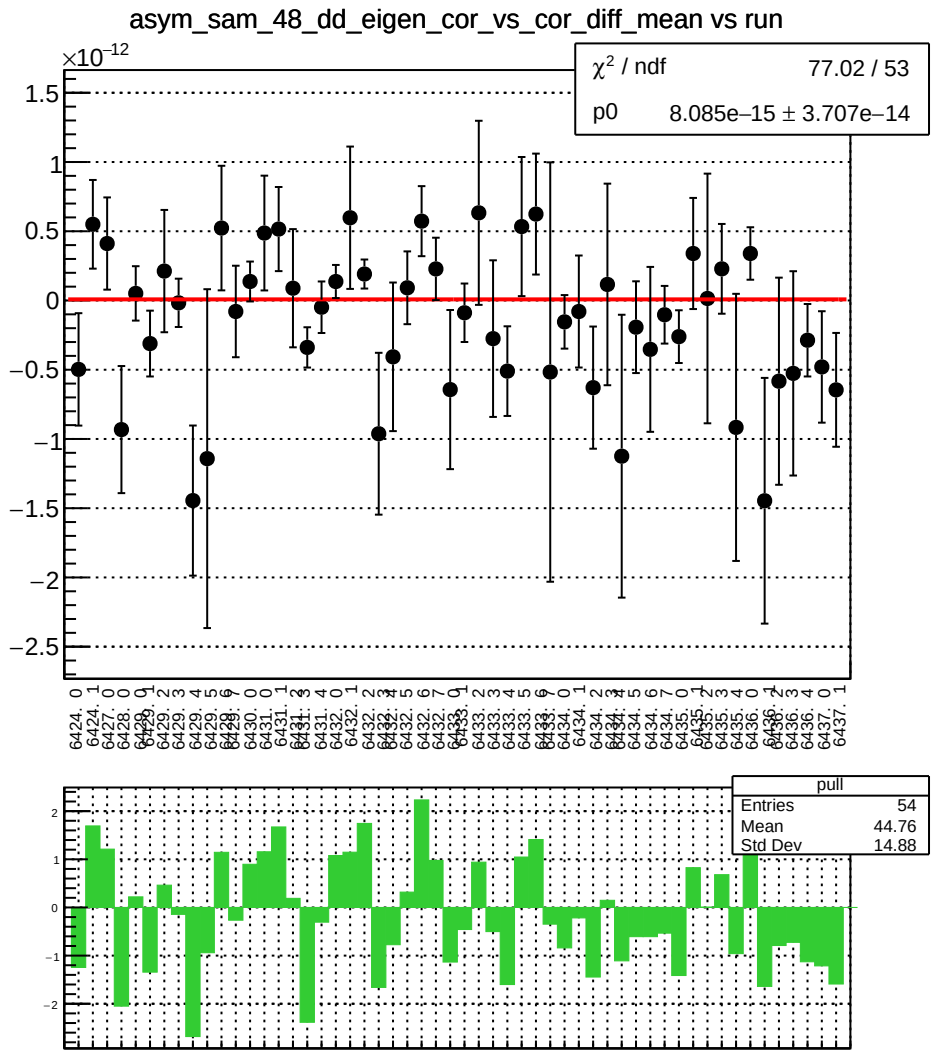

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.5 / 53
p0 0.00552 ± 0.04535
pull
Entries 54
Mean −51.69
Std Dev 0

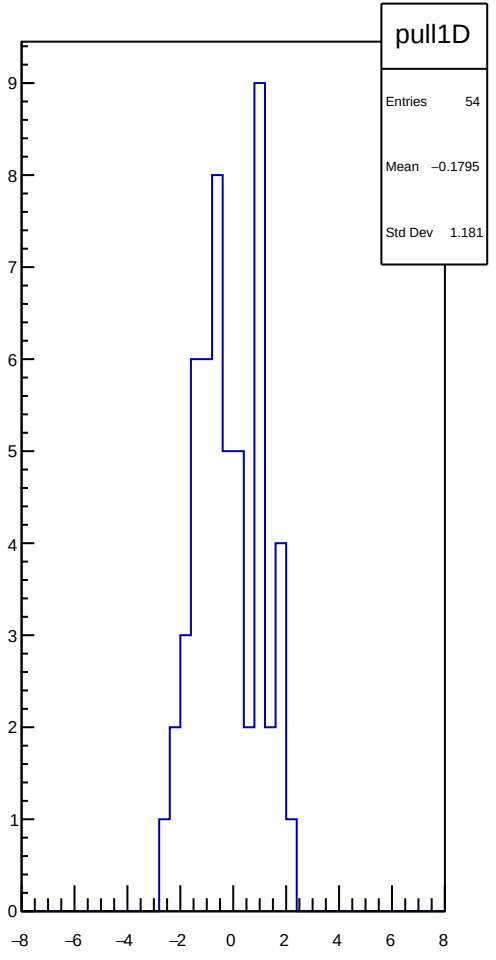

pull1D
Entries 54
Mean −0.05248
Std Dev 1.057

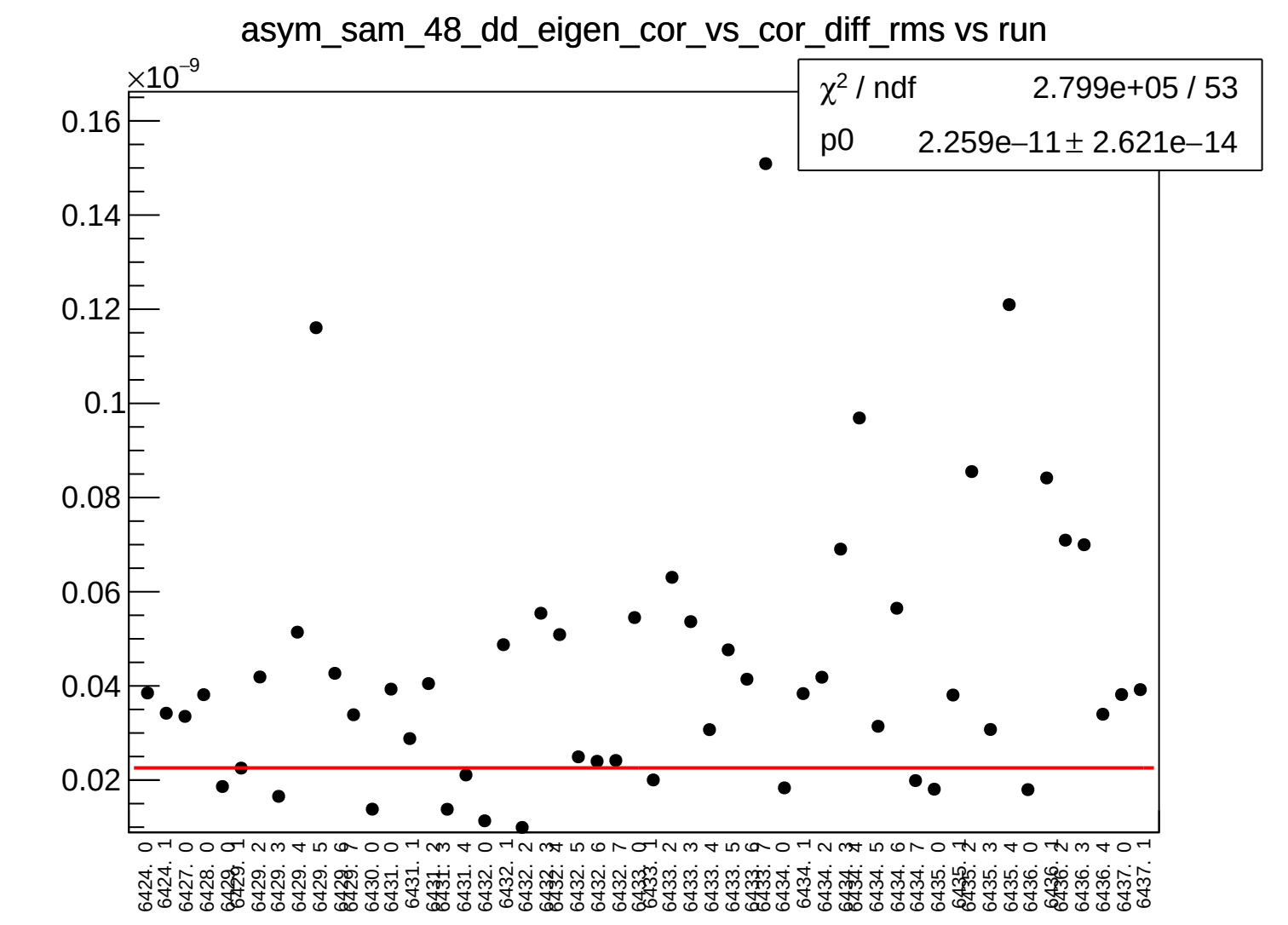

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.407e+04 / 53
p0 31.07 ± 0.03207
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

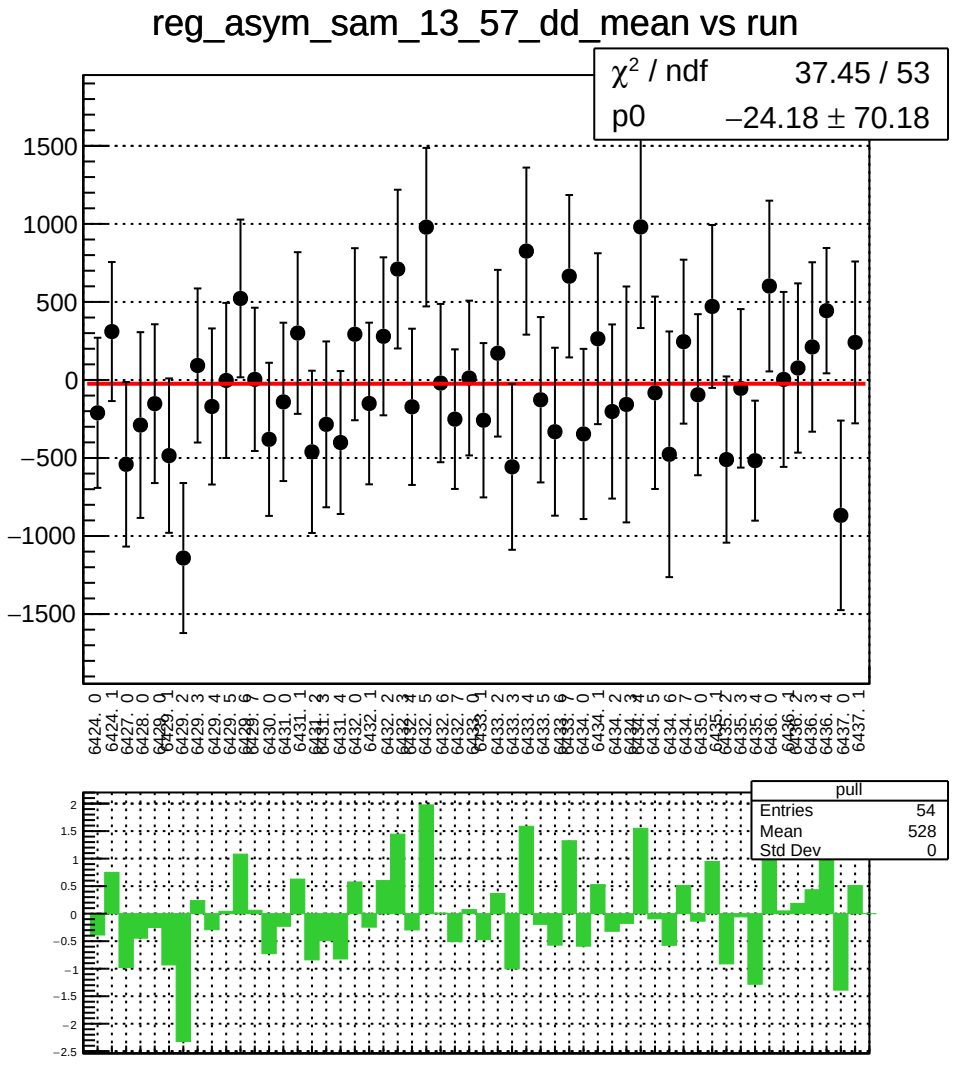

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.5 / 53
p0 0.00552 ± 0.04535
pull
Entries 54
Mean −51.69
Std Dev 0
pull1D
Entries 54
Mean −0.05248
Std Dev 1.057

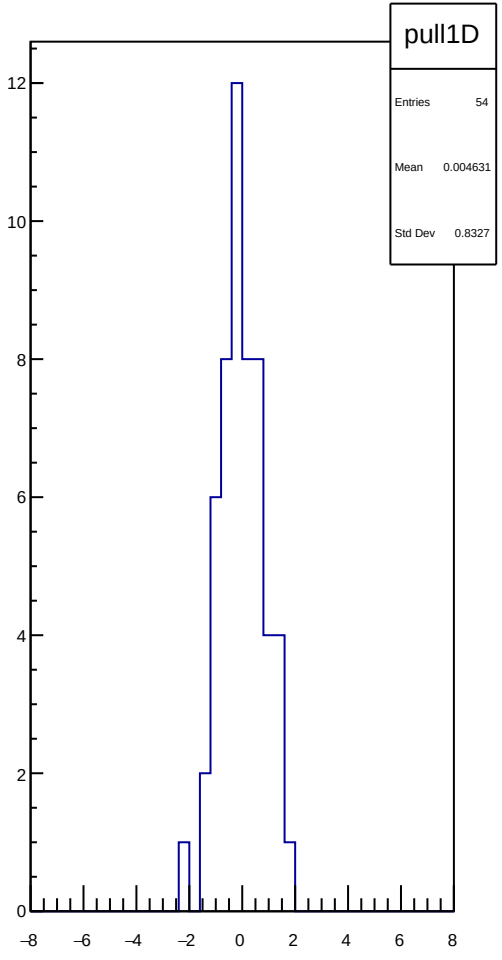

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.407e+04 / 53
p0 31.07 ± 0.03207
600
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

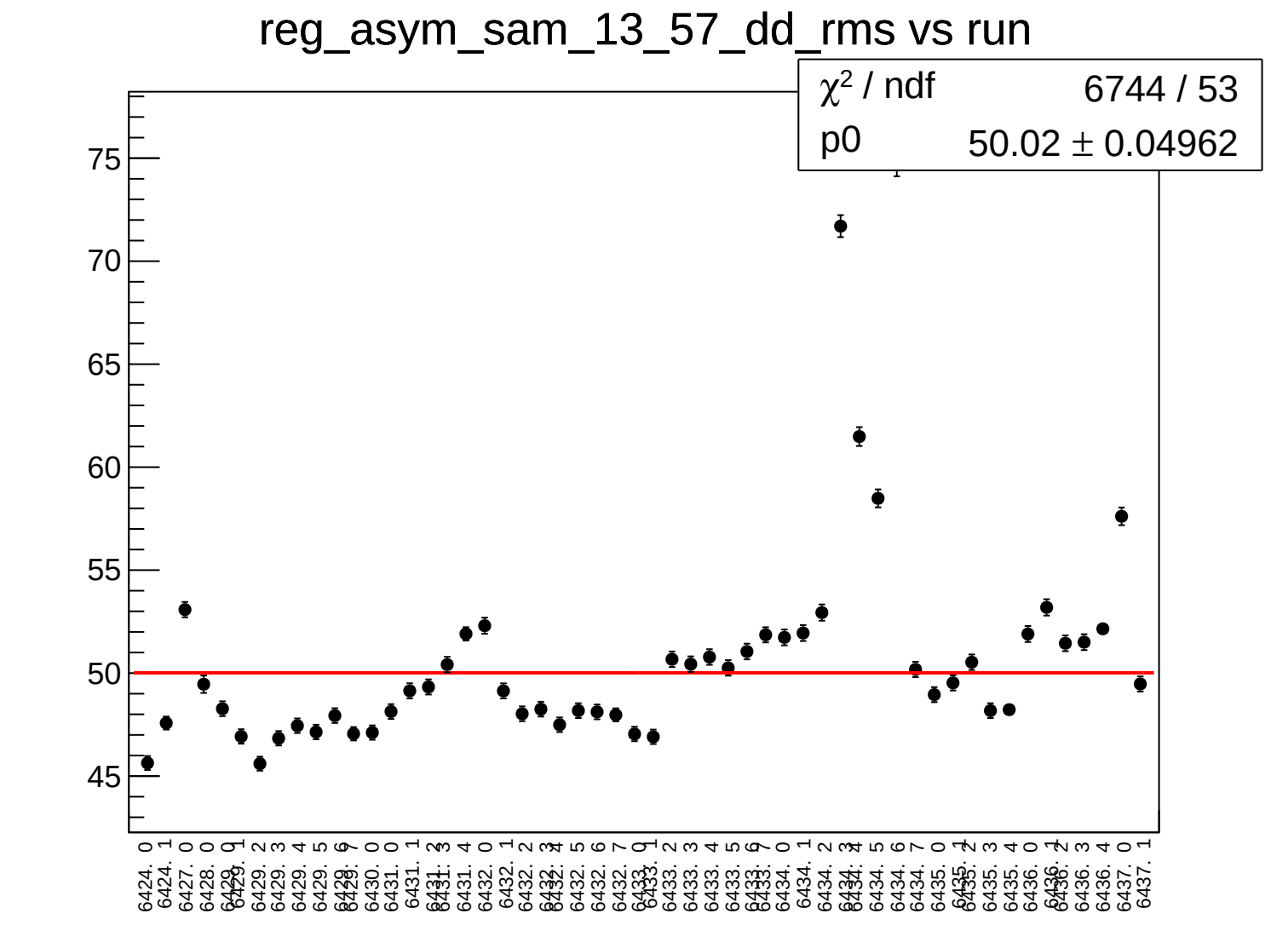

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.02 / 53
p0 8.085e−15 ± 3.707e−14
pull
Entries 54
Mean 44.76
Std Dev 14.88


pull1D
Entries 54
Mean −0.1795
Std Dev 1.181


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.799e+05 / 53
p0 2.259e−11 ± 2.621e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 37.45 / 53
p0 −24.18 ± 70.18
pull
Entries 54
Mean 528
Std Dev 0


pull1D
Entries 54
Mean 0.004631
Std Dev 0.8327


reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 6744 / 53
p0 50.02 ± 0.04962
75
70
65
60
55
50
45
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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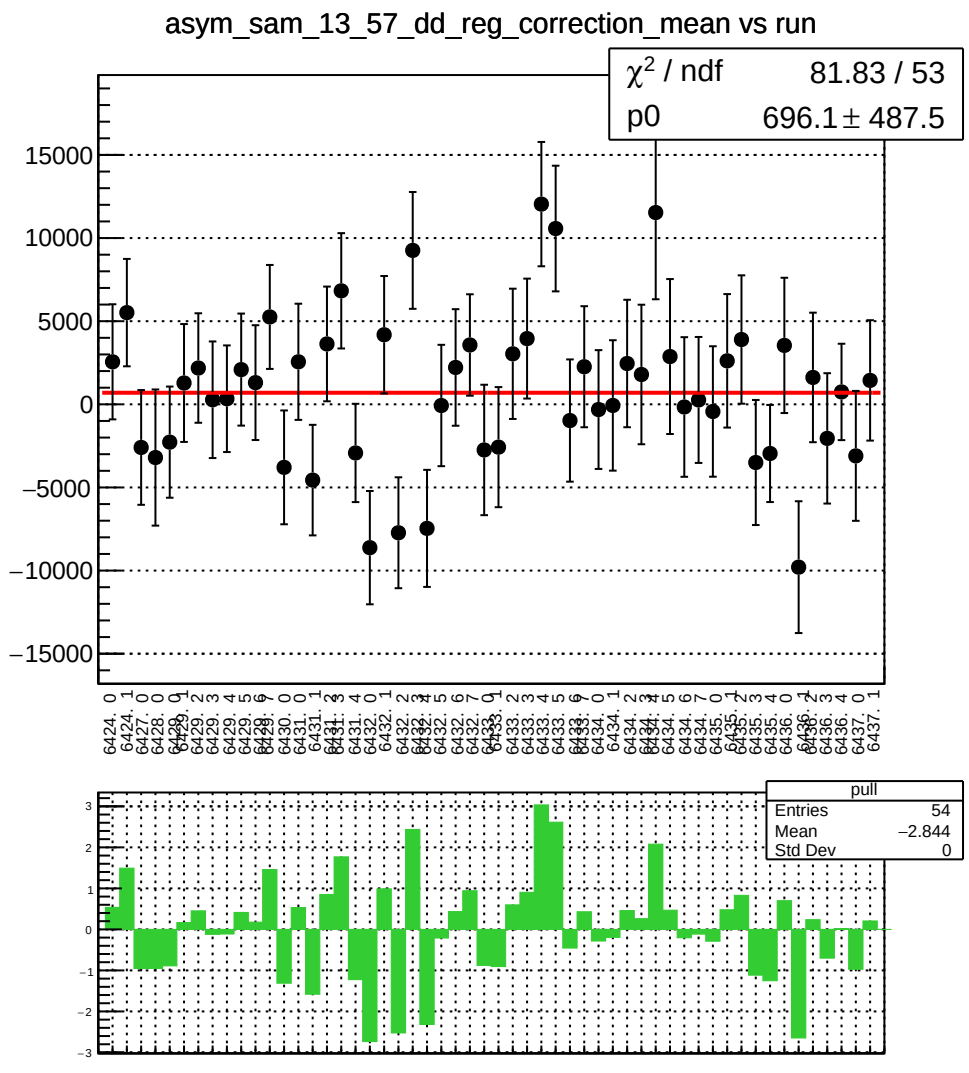
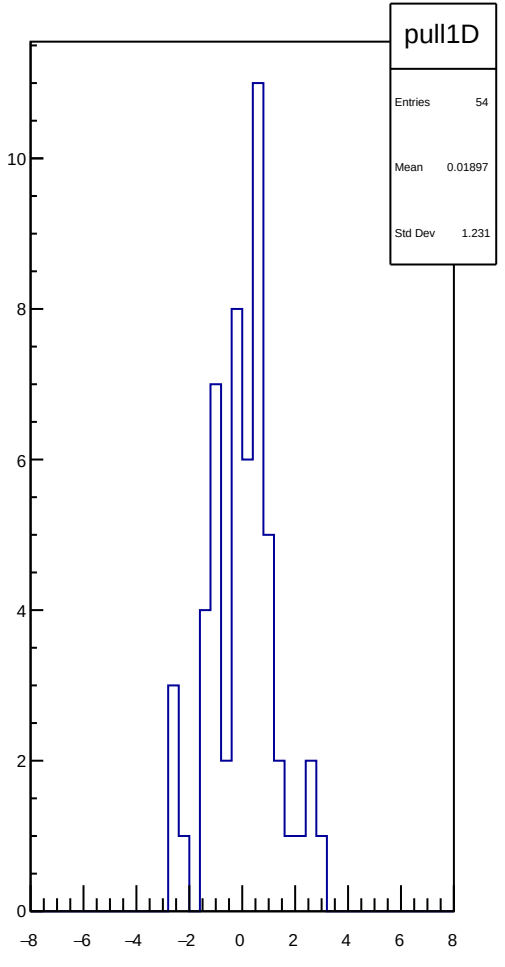
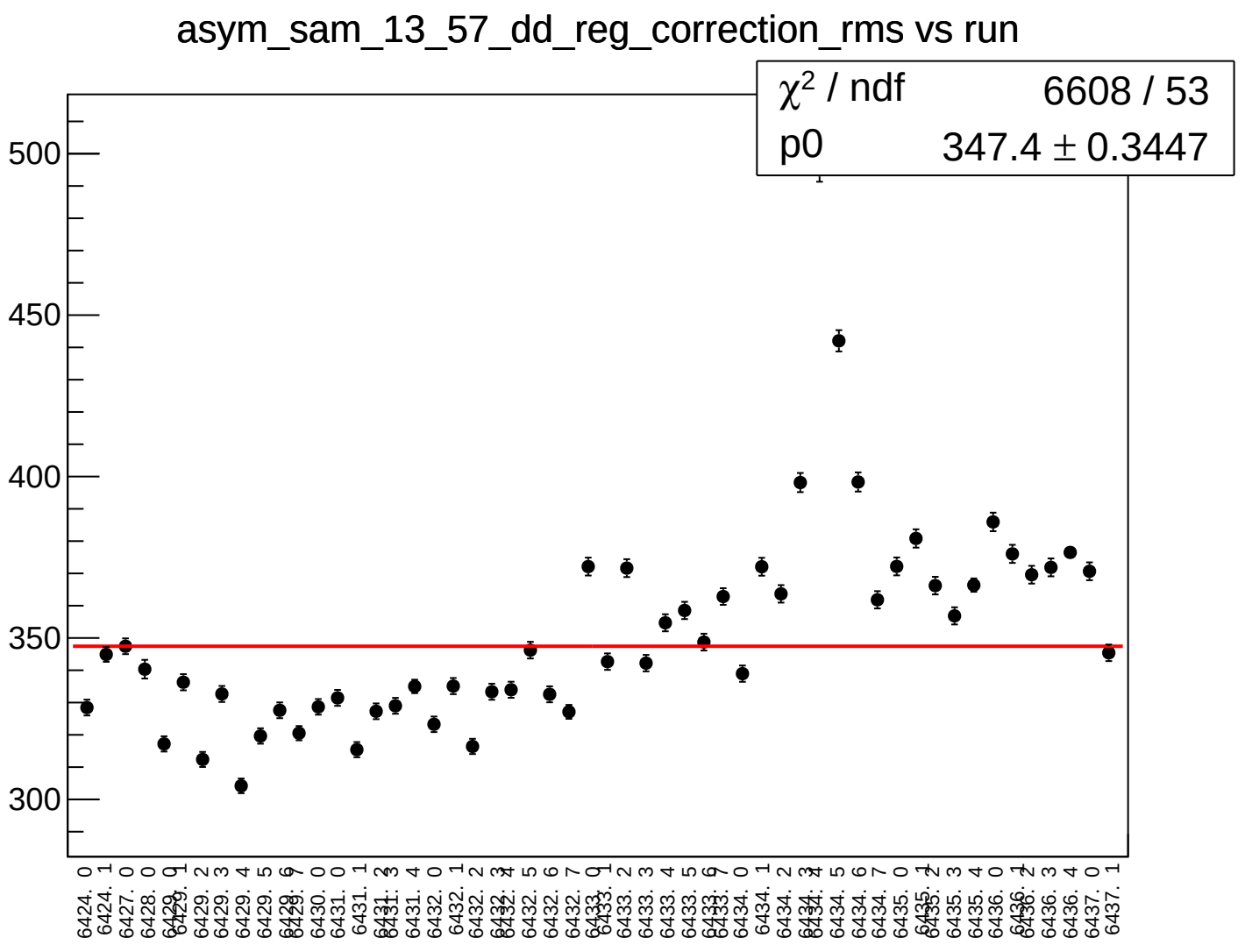
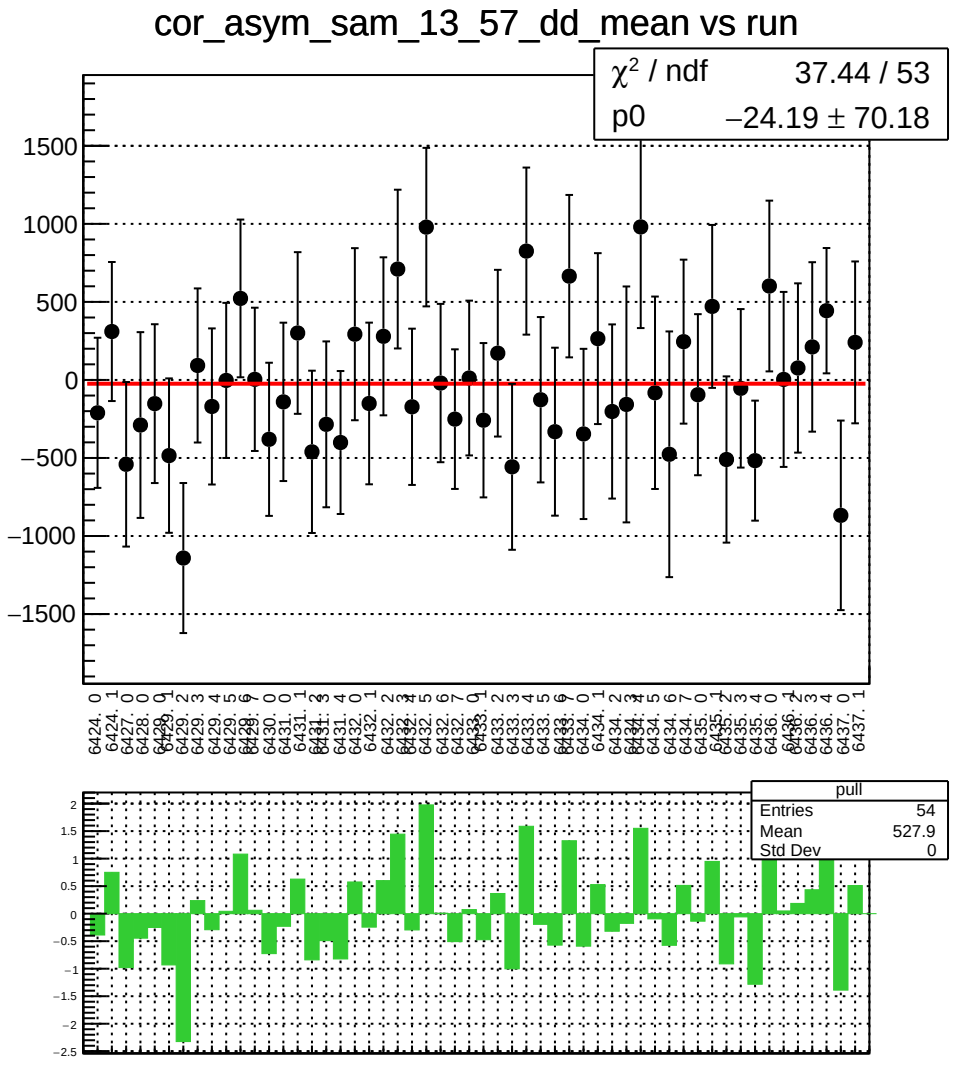
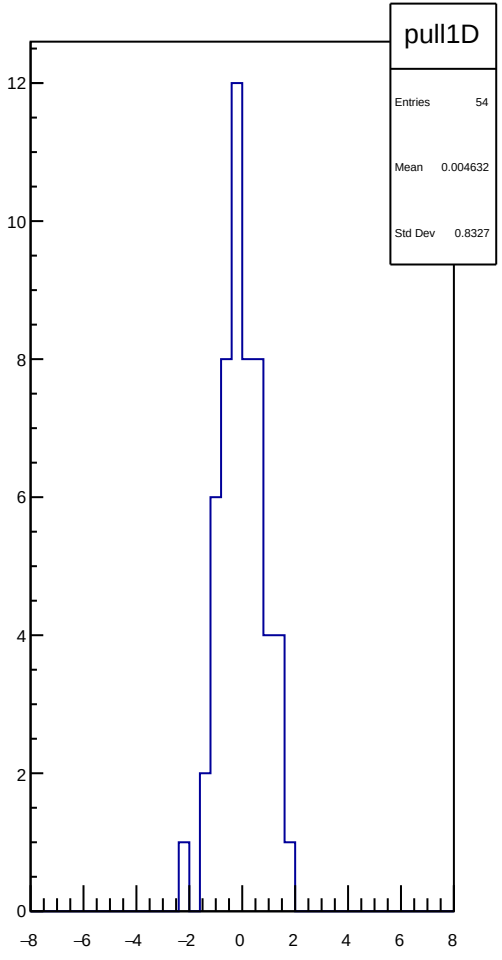
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

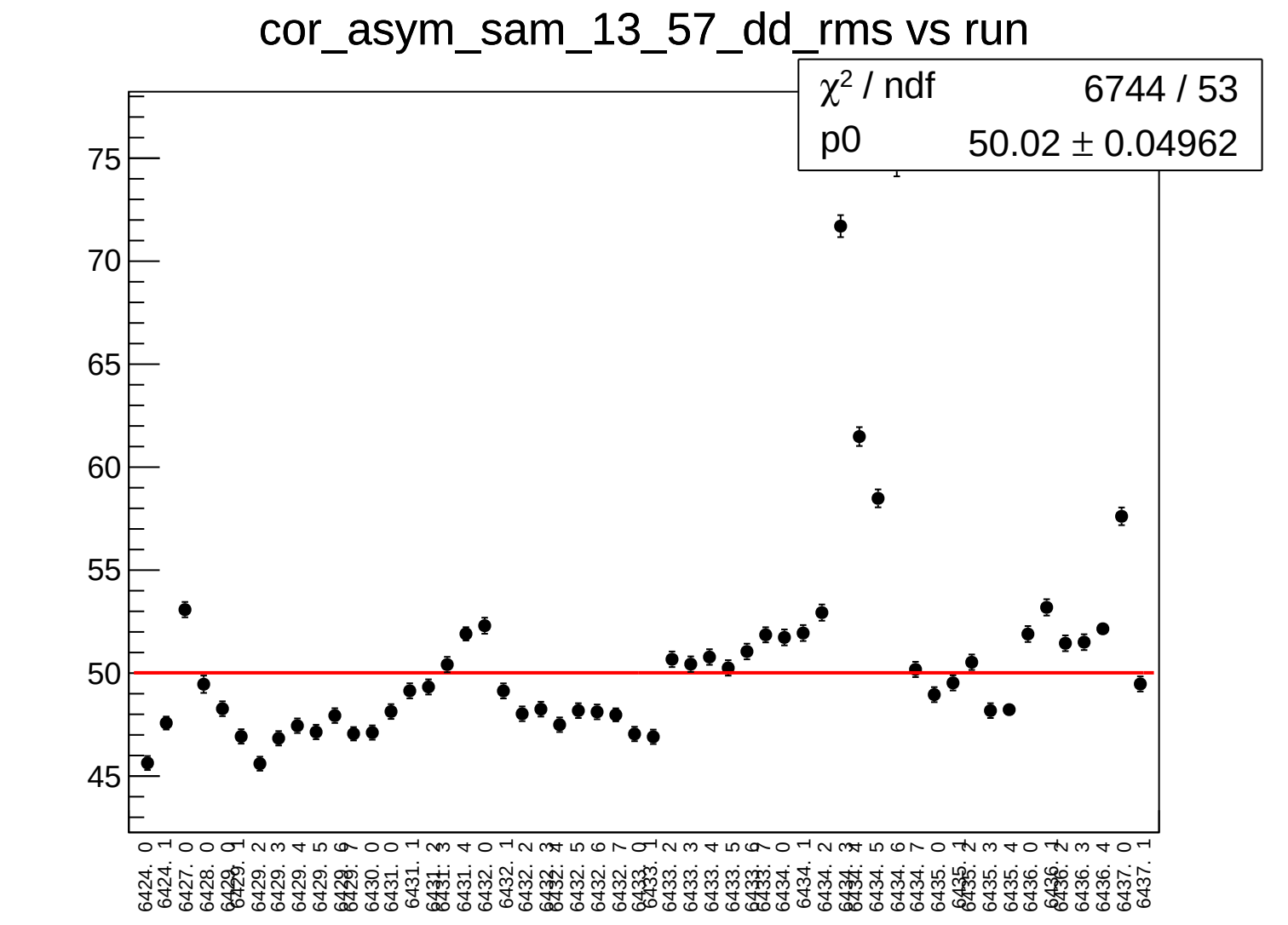

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 81.83 / 53
p0 696.1 ± 487.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −2.844
Std Dev 0
3
2
1
0
−1
−2
−3

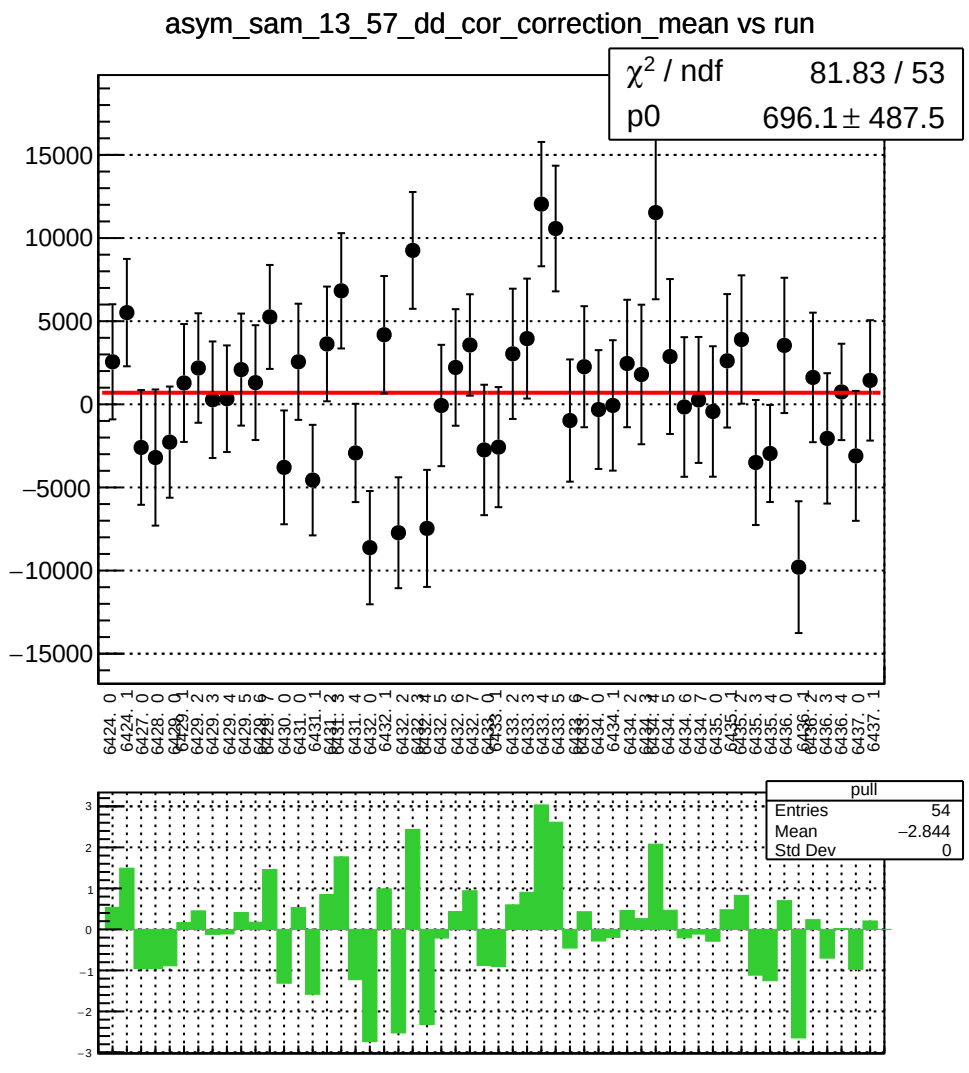

pull1D
Entries 54
Mean 0.01897
Std Dev 1.231
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

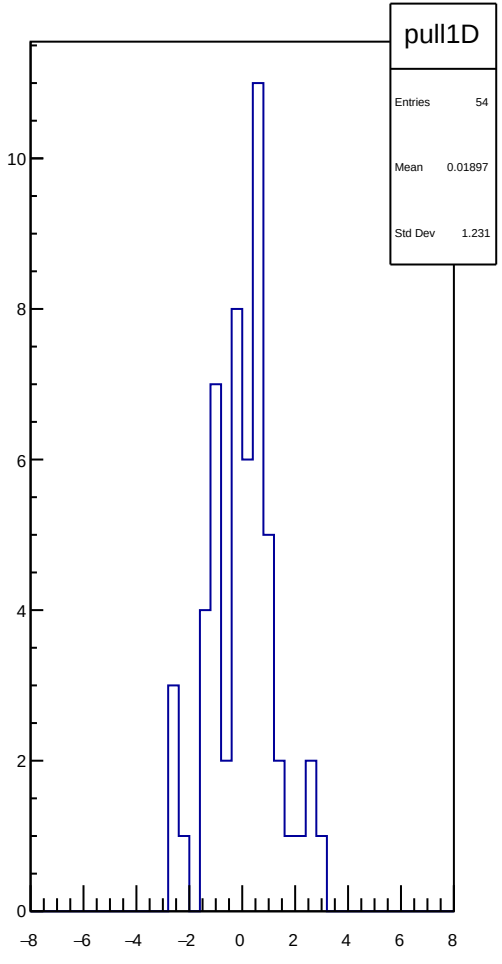

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 6608 / 53
p0 347.4 ± 0.3447
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 37.44 / 53
p0 −24.19 ± 70.18
pull
Entries 54
Mean 527.9
Std Dev 0


pull1D
Entries 54
Mean 0.004632
Std Dev 0.8327


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 6744 / 53
p0 50.02 ± 0.04962
75
70
65
60
55
50
45
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 81.83 / 53
p0 696.1 ± 487.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −2.844
Std Dev 0


pull1D
Entries 54
Mean 0.01897
Std Dev 1.231
10
8
6
4
2
0
−8
−6
−4
−2
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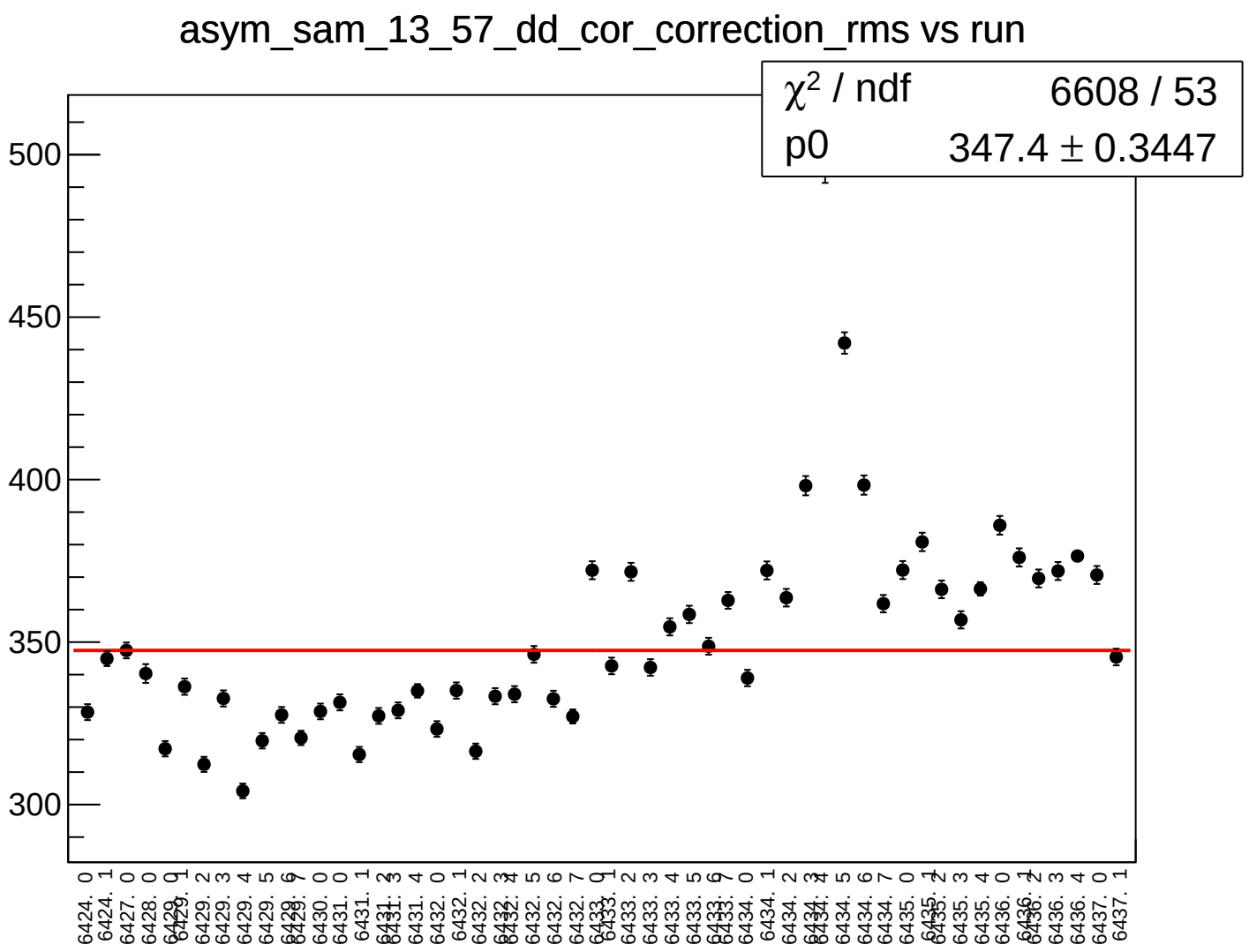
2
4
6
8


asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 6608 / 53
p0 347.4 ± 0.3447
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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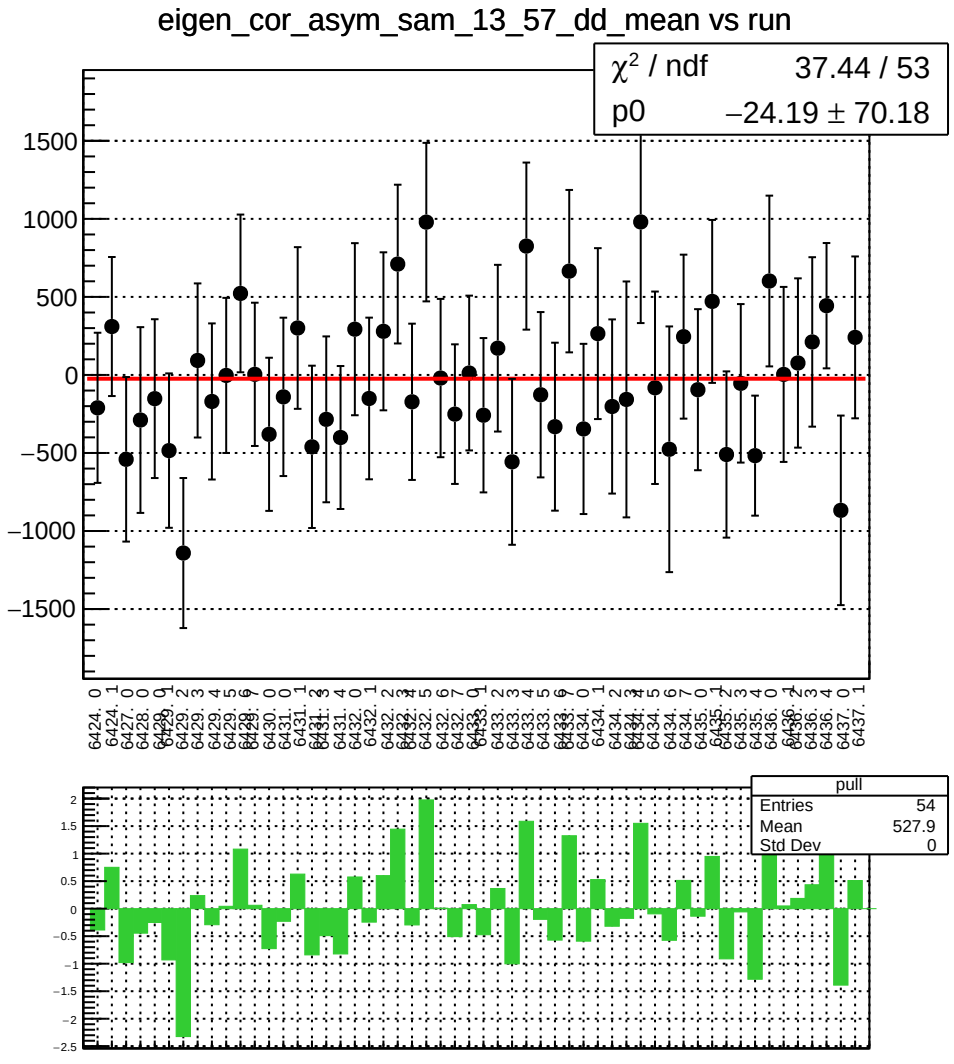
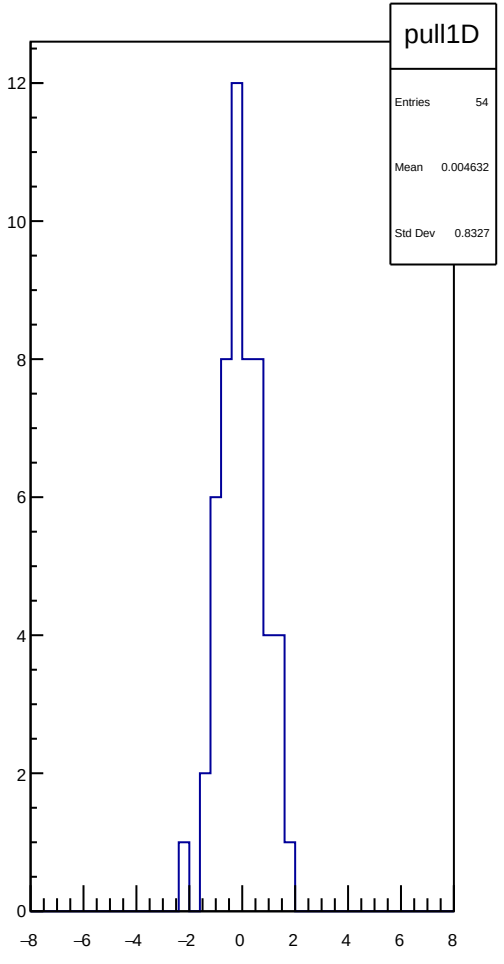
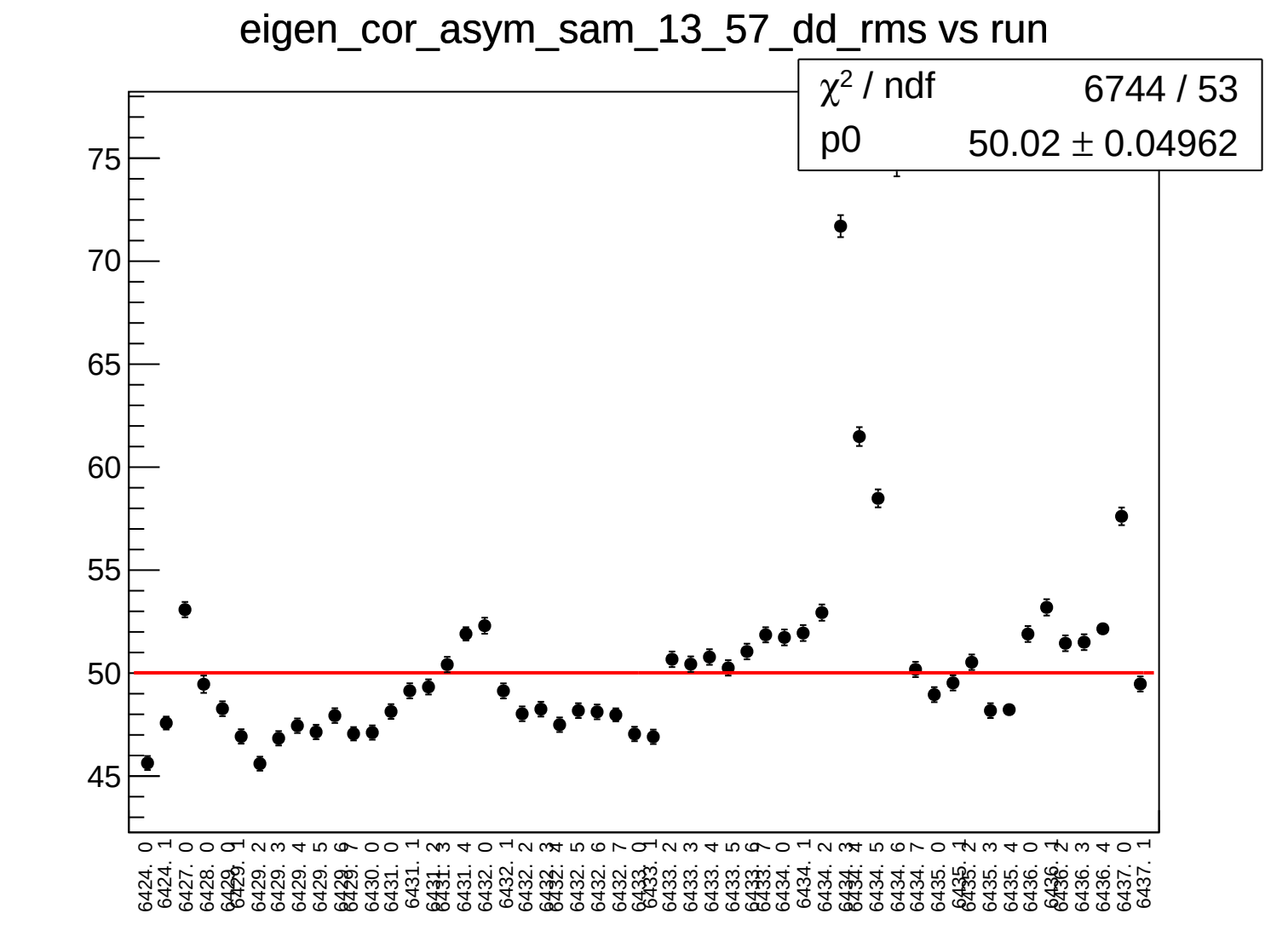
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 37.44 / 53
p0 −24.19 ± 70.18
pull
Entries 54
Mean 527.9
Std Dev 0


pull1D
Entries 54
Mean 0.004632
Std Dev 0.8327


eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 6744 / 53
p0 50.02 ± 0.04962
75
70
65
60
55
50
45
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
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6432. 6
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6434. 0
6434. 1
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6434. 5
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6435. 0
6435. 3
6435. 4
6436. 0
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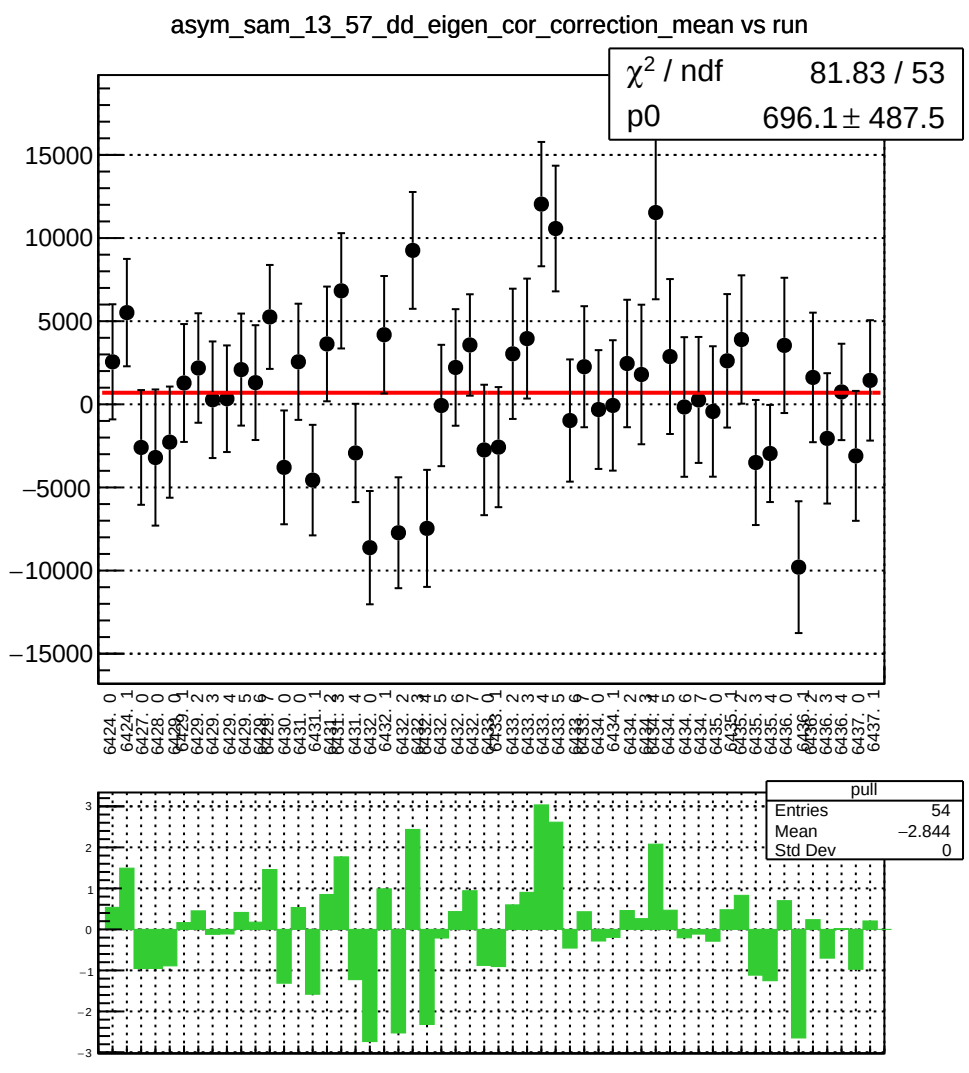
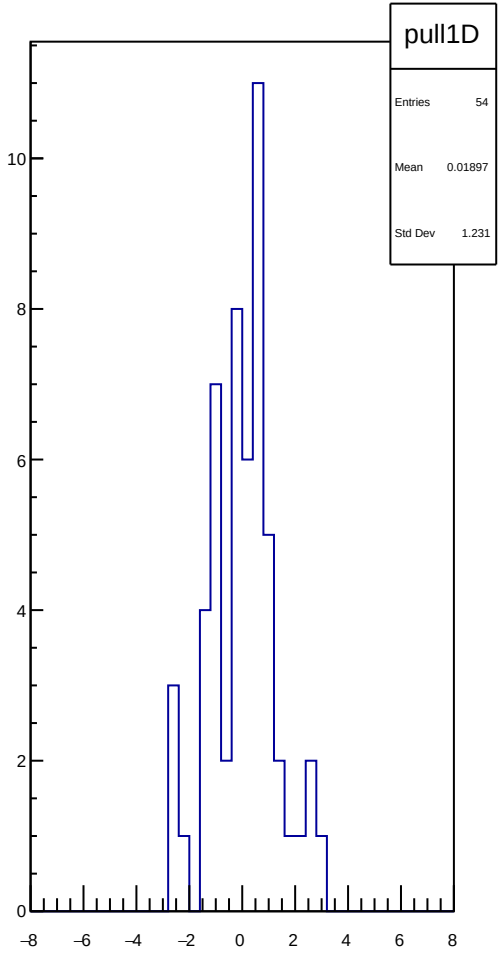
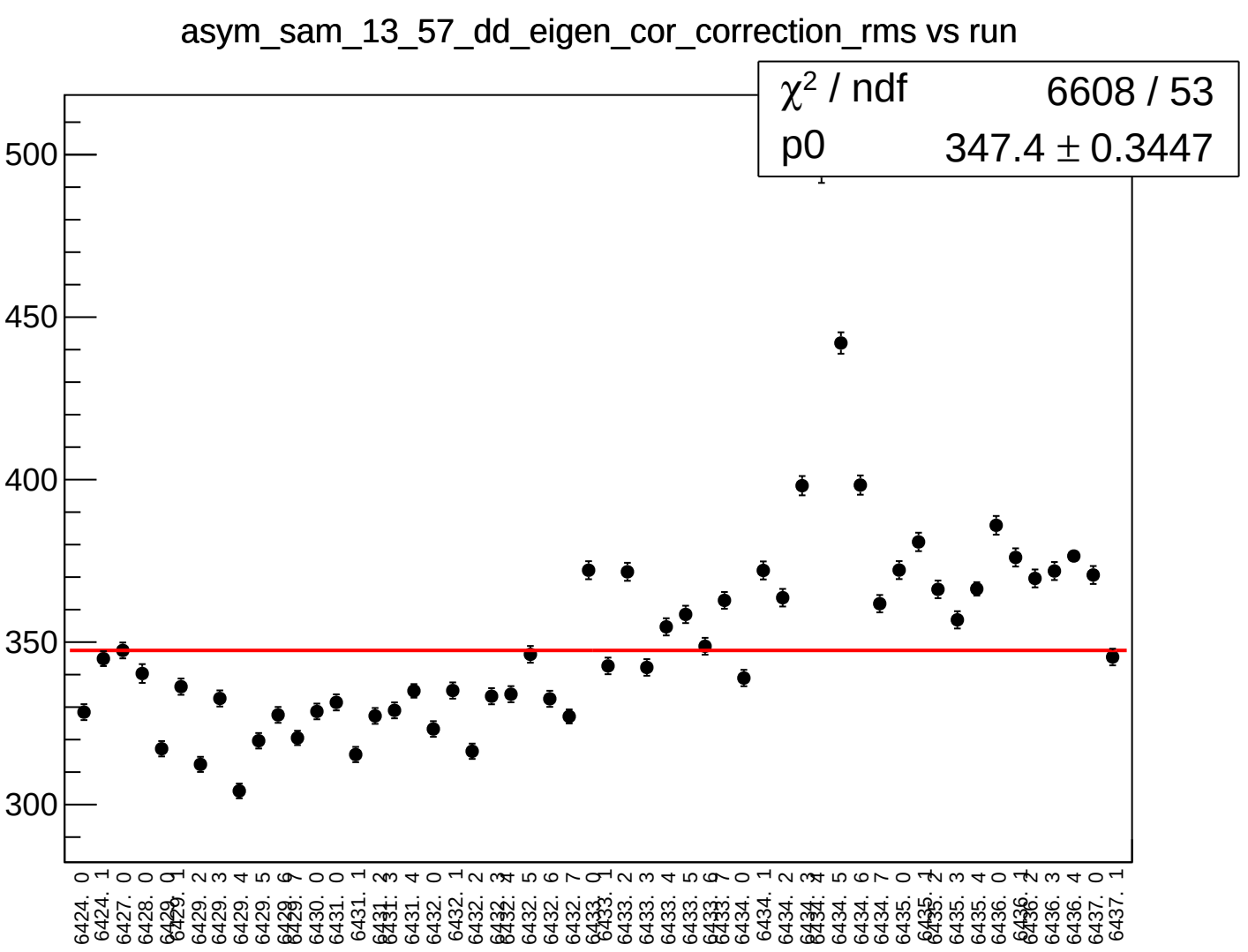
6437. 0
6437. 1


asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.83 / 53
p0 696.1 ± 487.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −2.844
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.01897
Std Dev 1.231
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 6608 / 53
p0 347.4 ± 0.3447
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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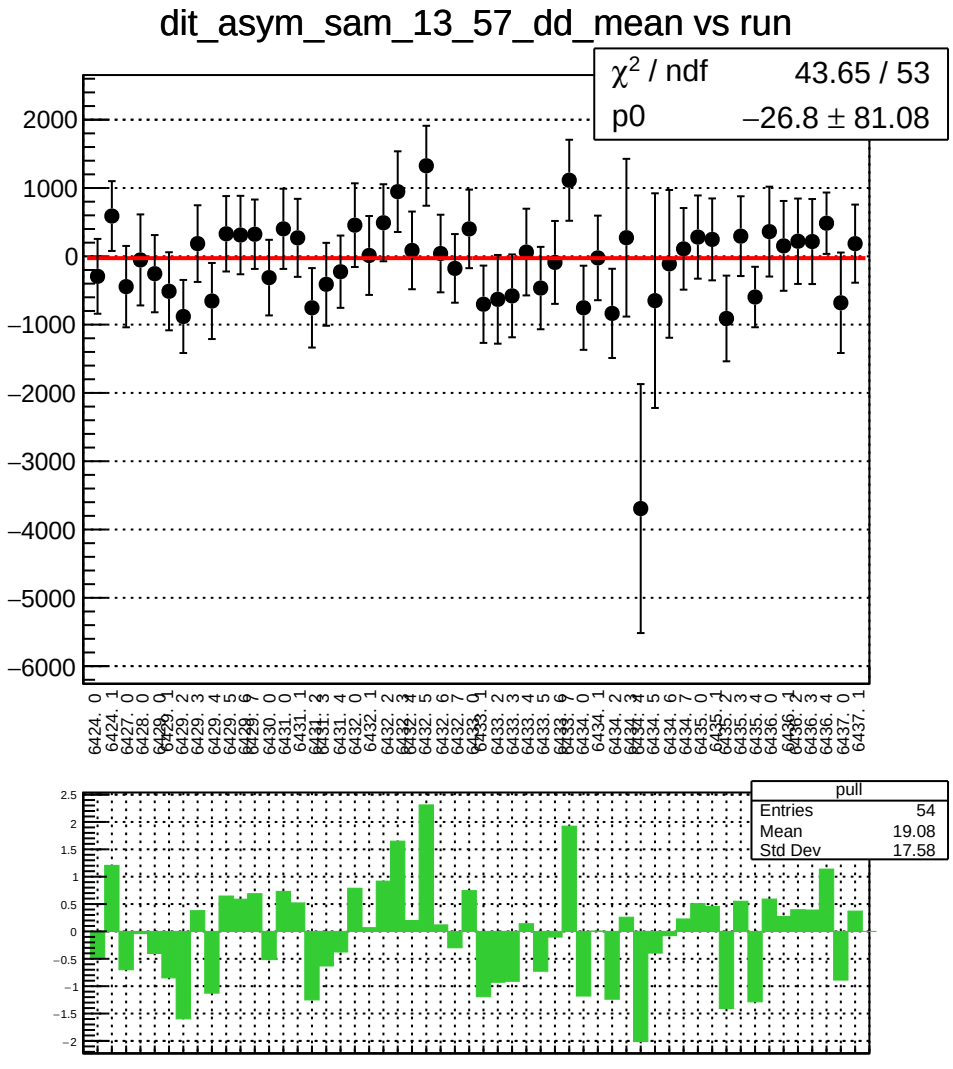
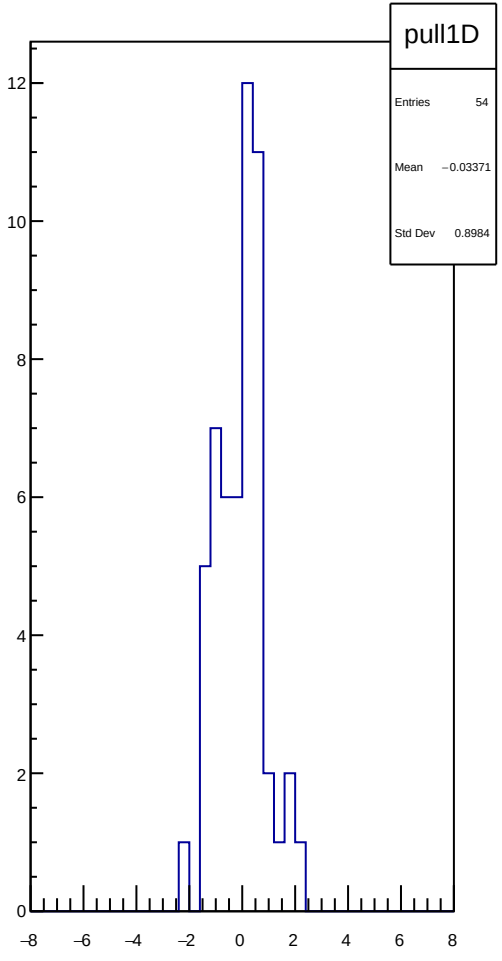
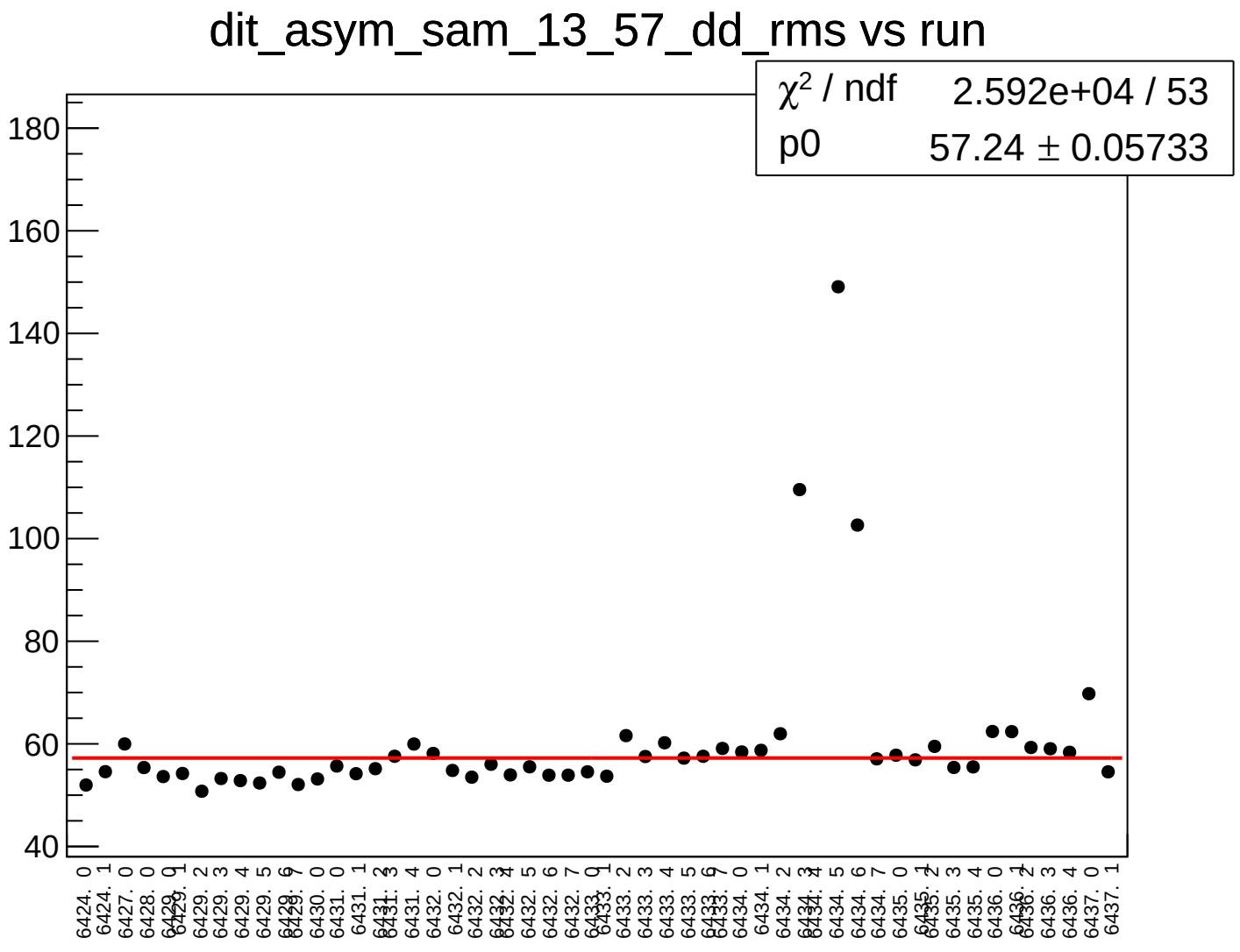
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 43.65 / 53
p0 −26.8 ± 81.08
pull
Entries 54
Mean 19.08
Std Dev 17.58


pull1D
Entries 54
Mean −0.03371
Std Dev 0.8984


dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.592e+04 / 53
p0 57.24 ± 0.05733
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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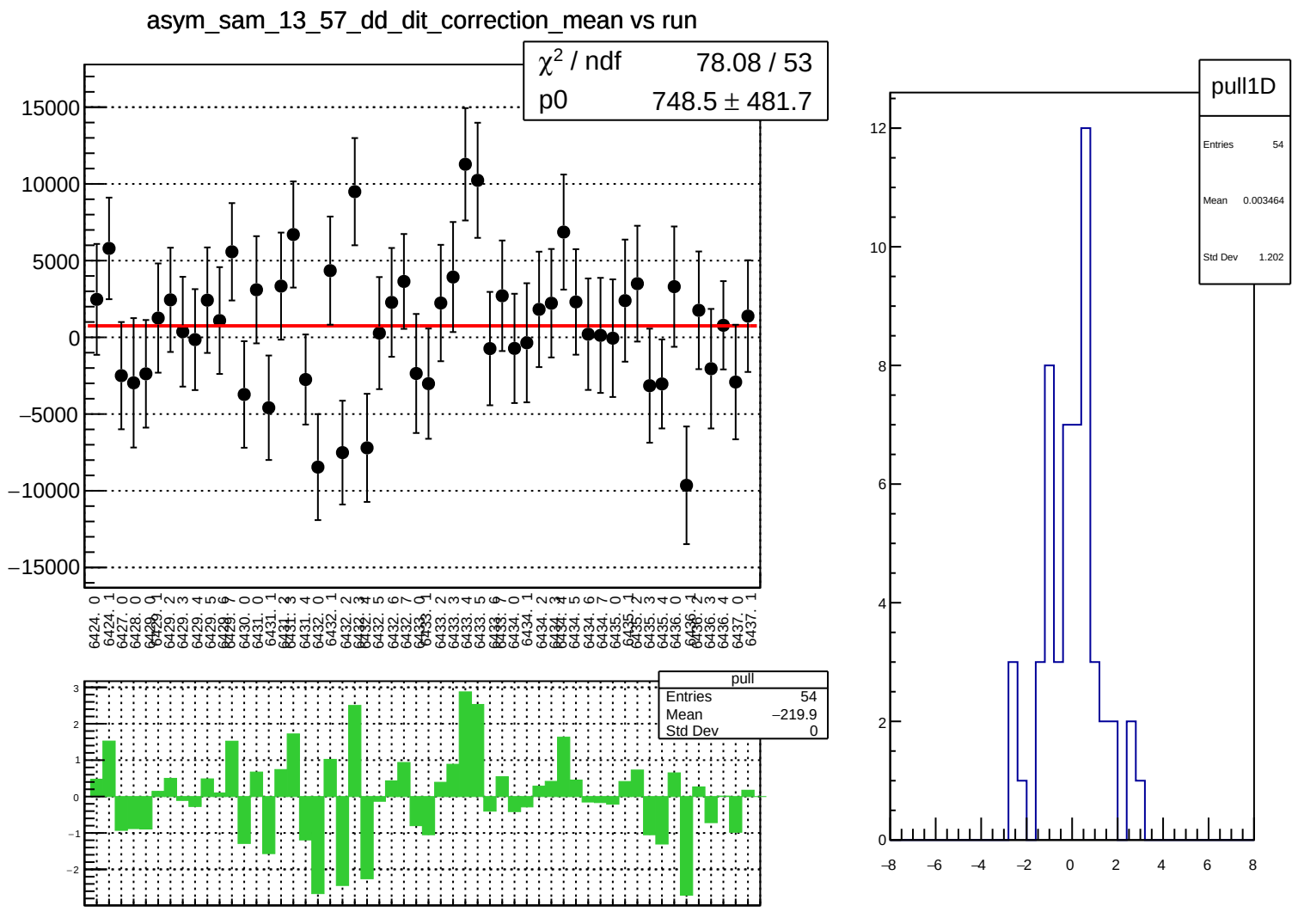
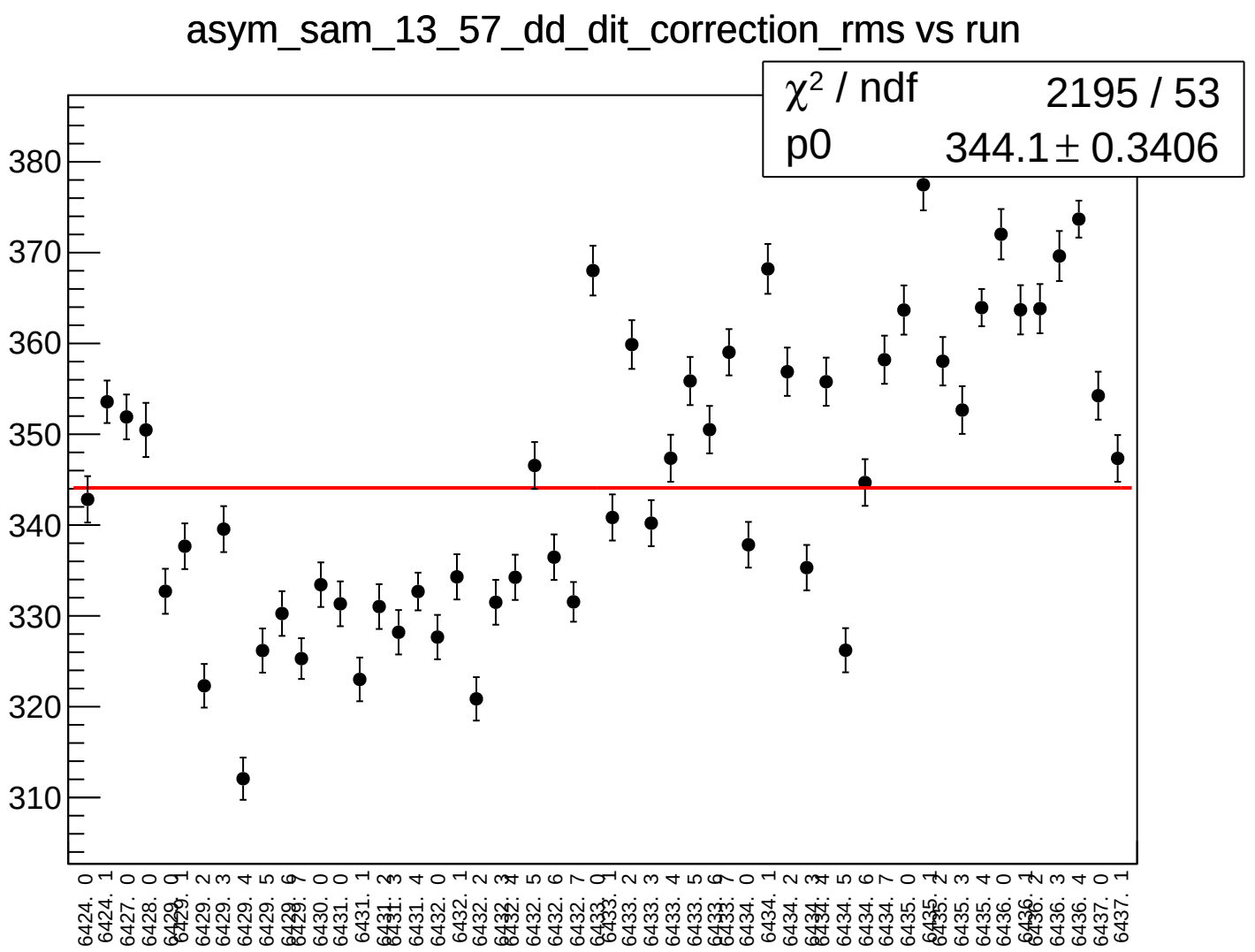
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 78.08 / 53
p0 748.5 ± 481.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −219.9
Std Dev 0
pull1D
Entries 54
Mean 0.003464
Std Dev 1.202
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2195 / 53
p0 344.1 ± 0.3406
380
370
360
350
340
330
320
310
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 4
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6436. 3
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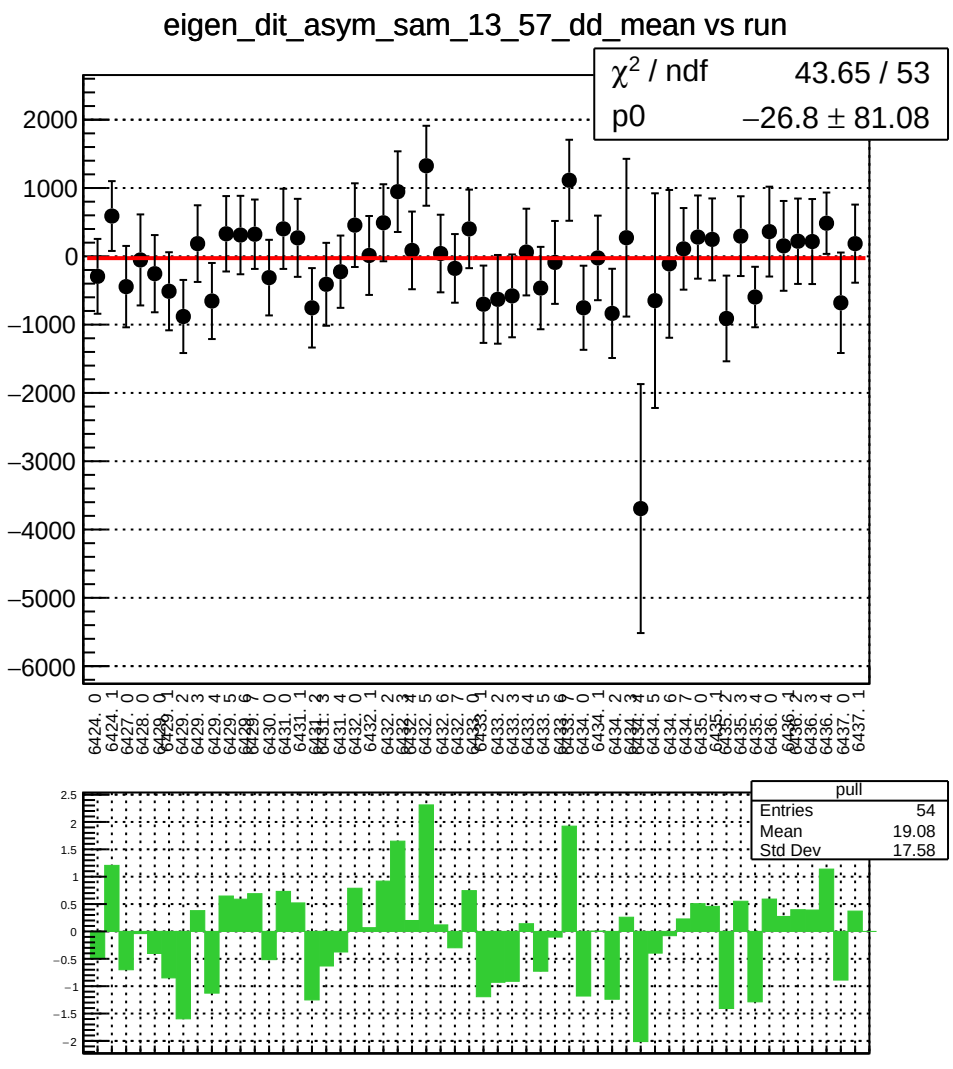
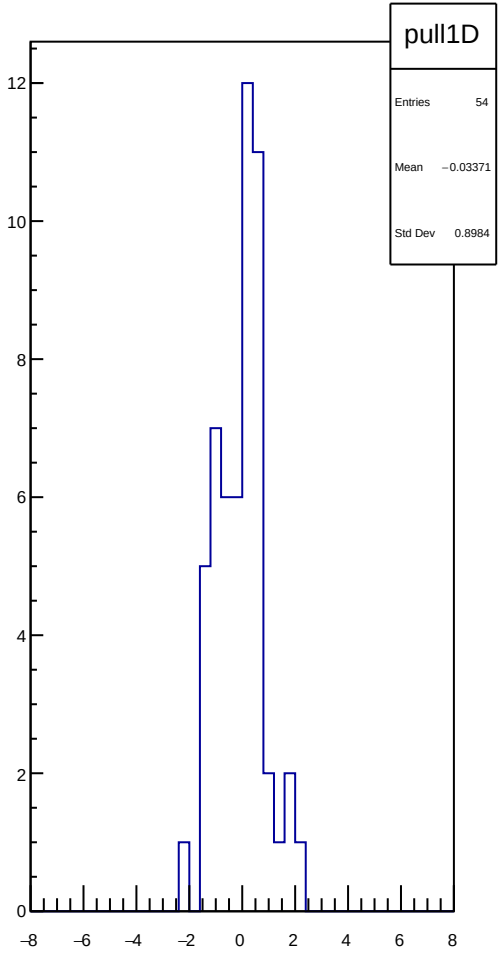
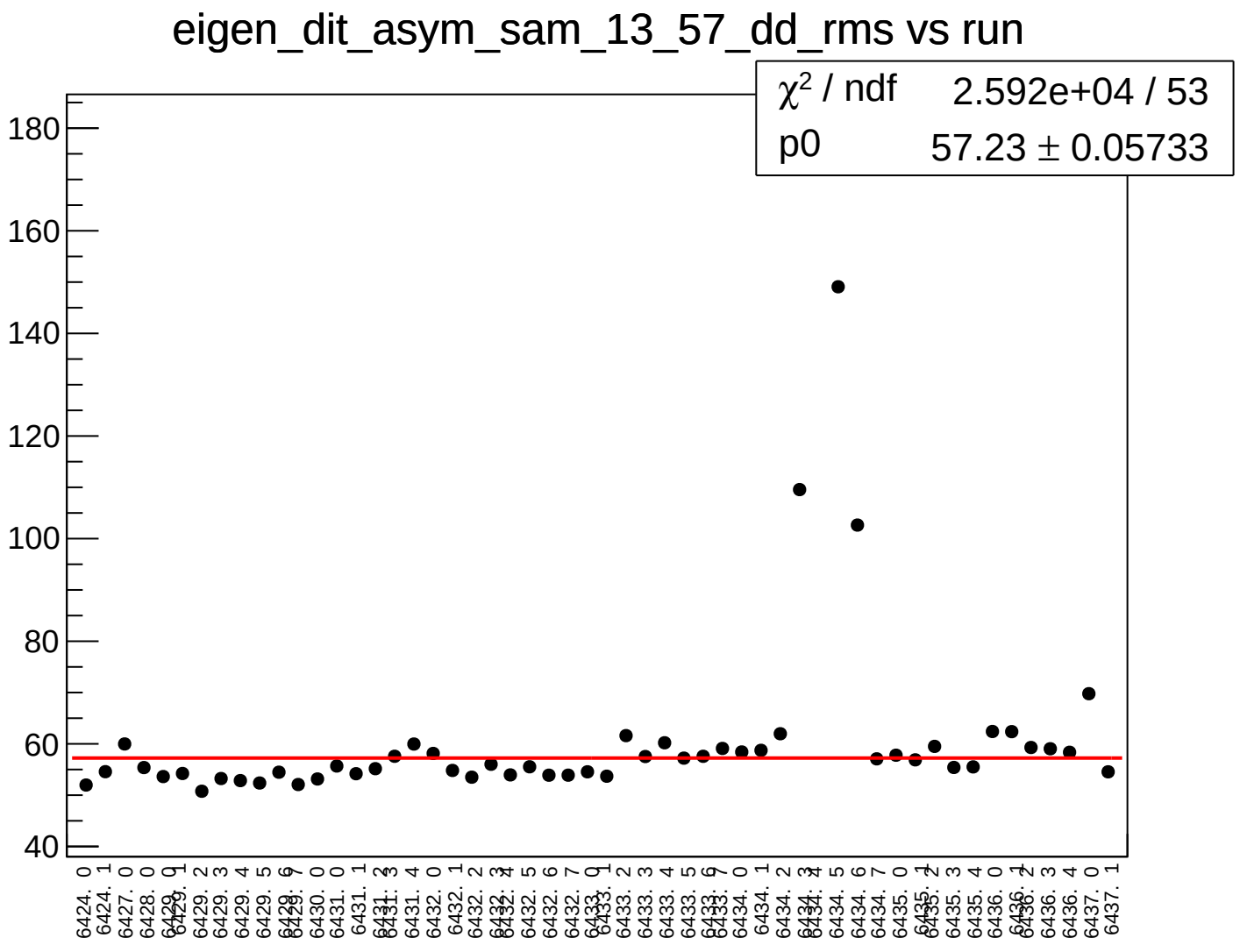
6437. 0
6437. 1


eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 43.65 / 53
p0 −26.8 ± 81.08
pull
Entries 54
Mean 19.08
Std Dev 17.58


pull1D
Entries 54
Mean −0.03371
Std Dev 0.8984


eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.592e+04 / 53
p0 57.23 ± 0.05733
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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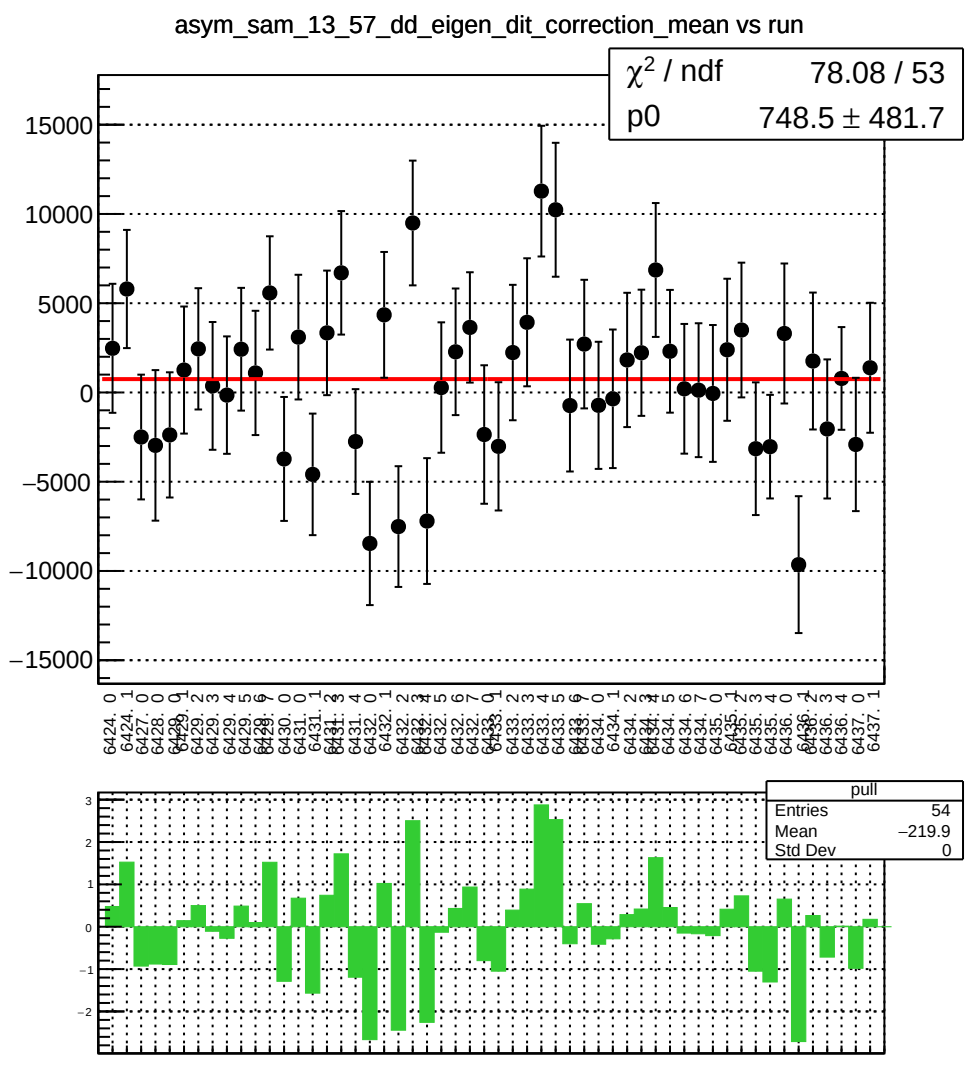
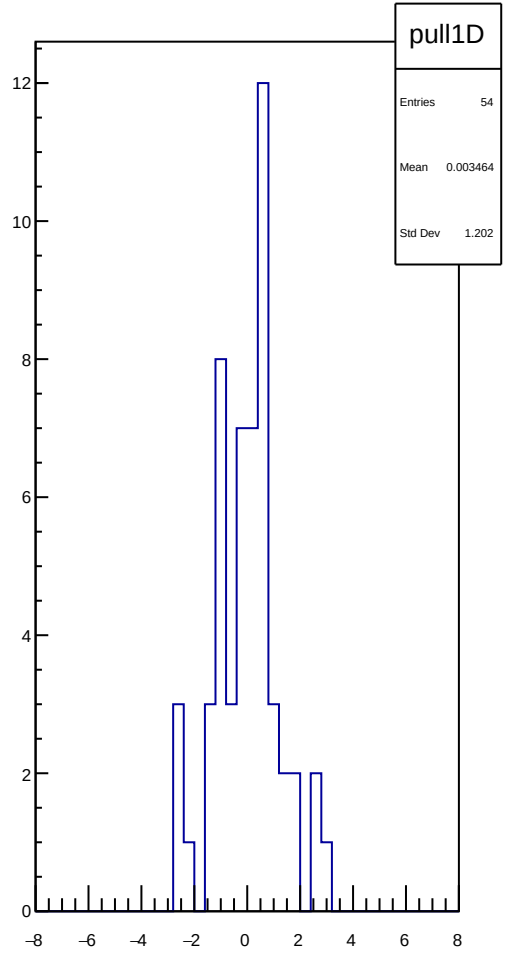
6437. 1


asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.08 / 53
p0 748.5 ± 481.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −219.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.003464
Std Dev 1.202
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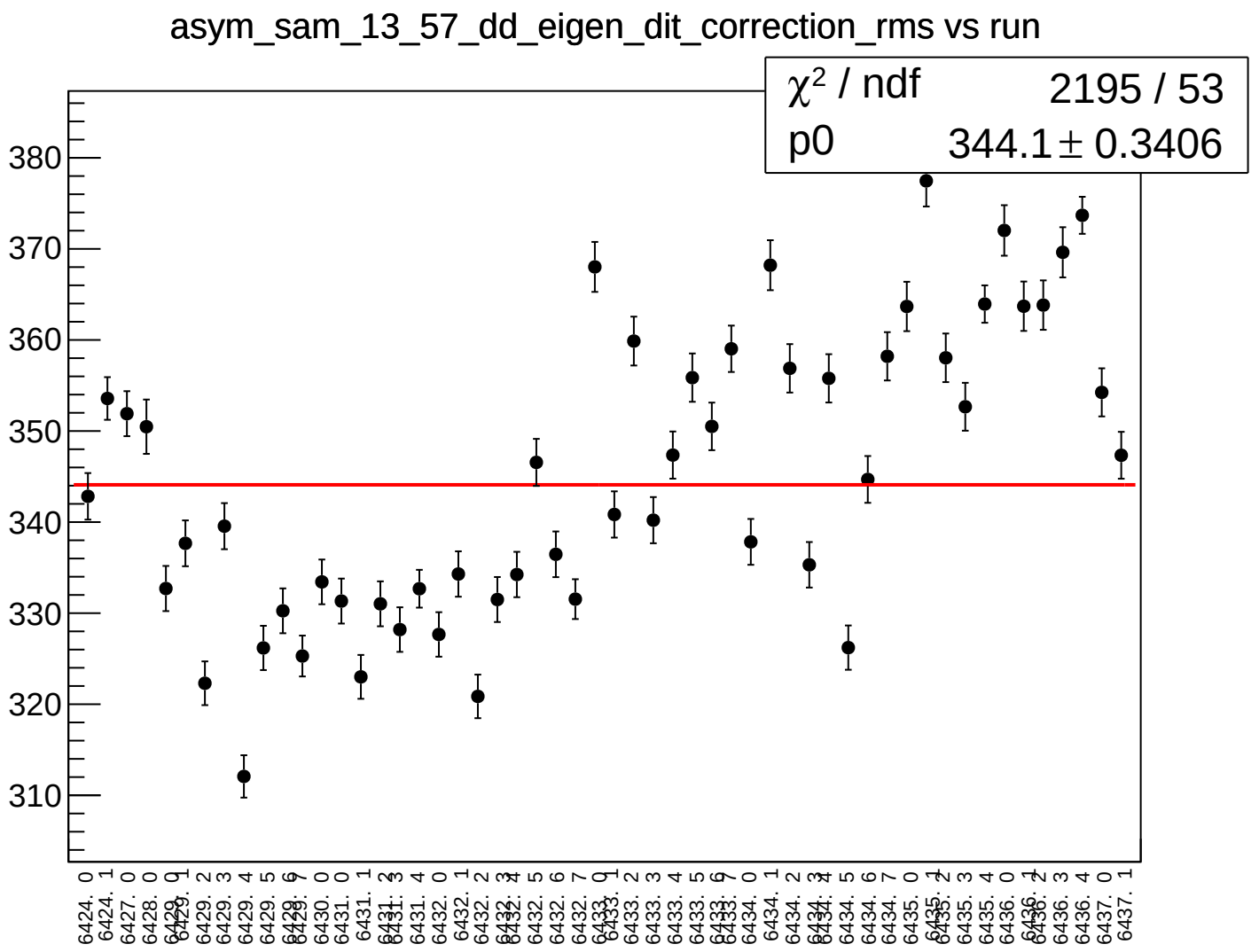
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2195 / 53
p0 344.1 ± 0.3406
380
370
360
350
340
330
320
310
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 5
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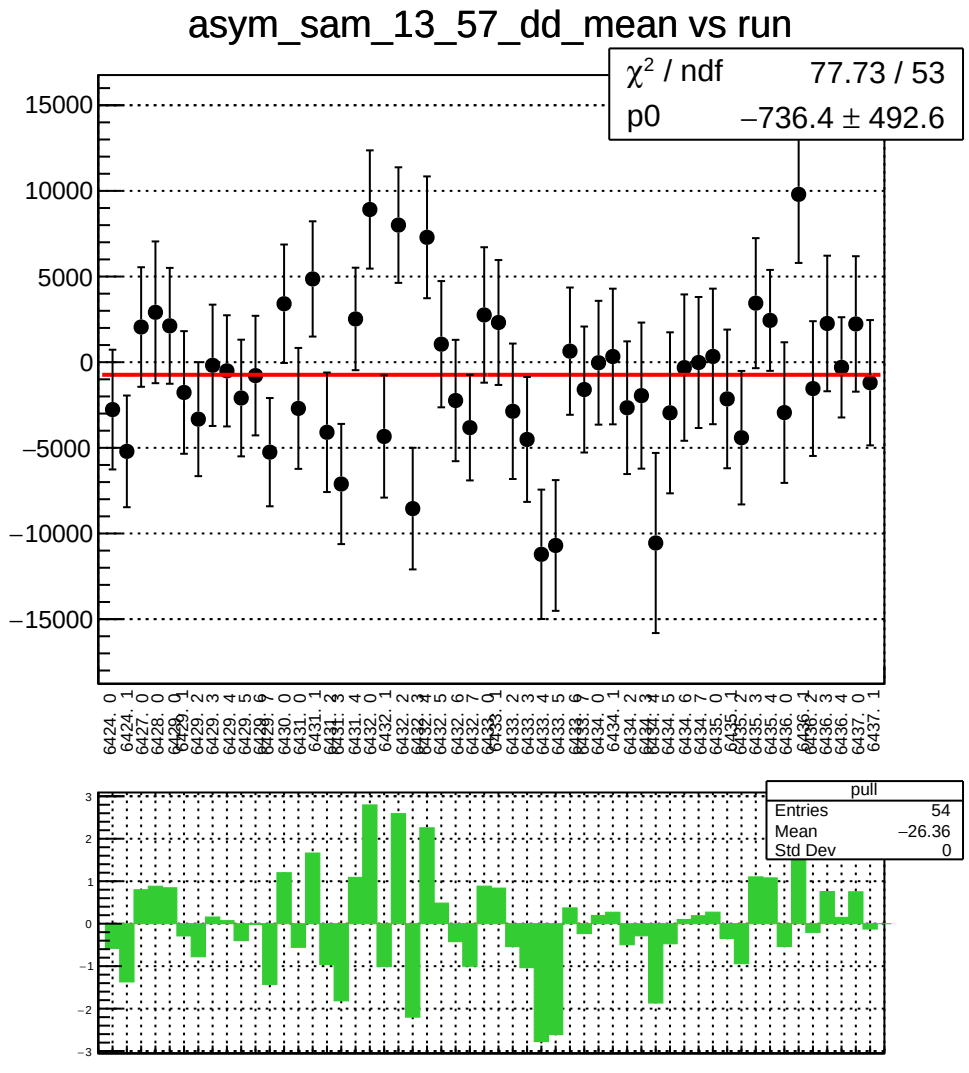
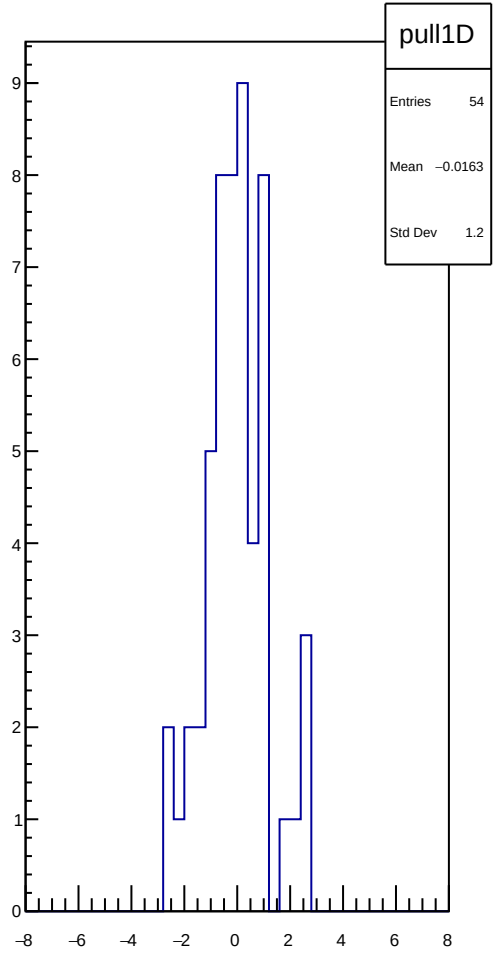
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_13_57_dd_mean vs run
χ² / ndf 77.73 / 53
p0 −736.4 ± 492.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −26.36
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.0163
Std Dev 1.2
9
8
7
6
5
4
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2
1
0
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−4
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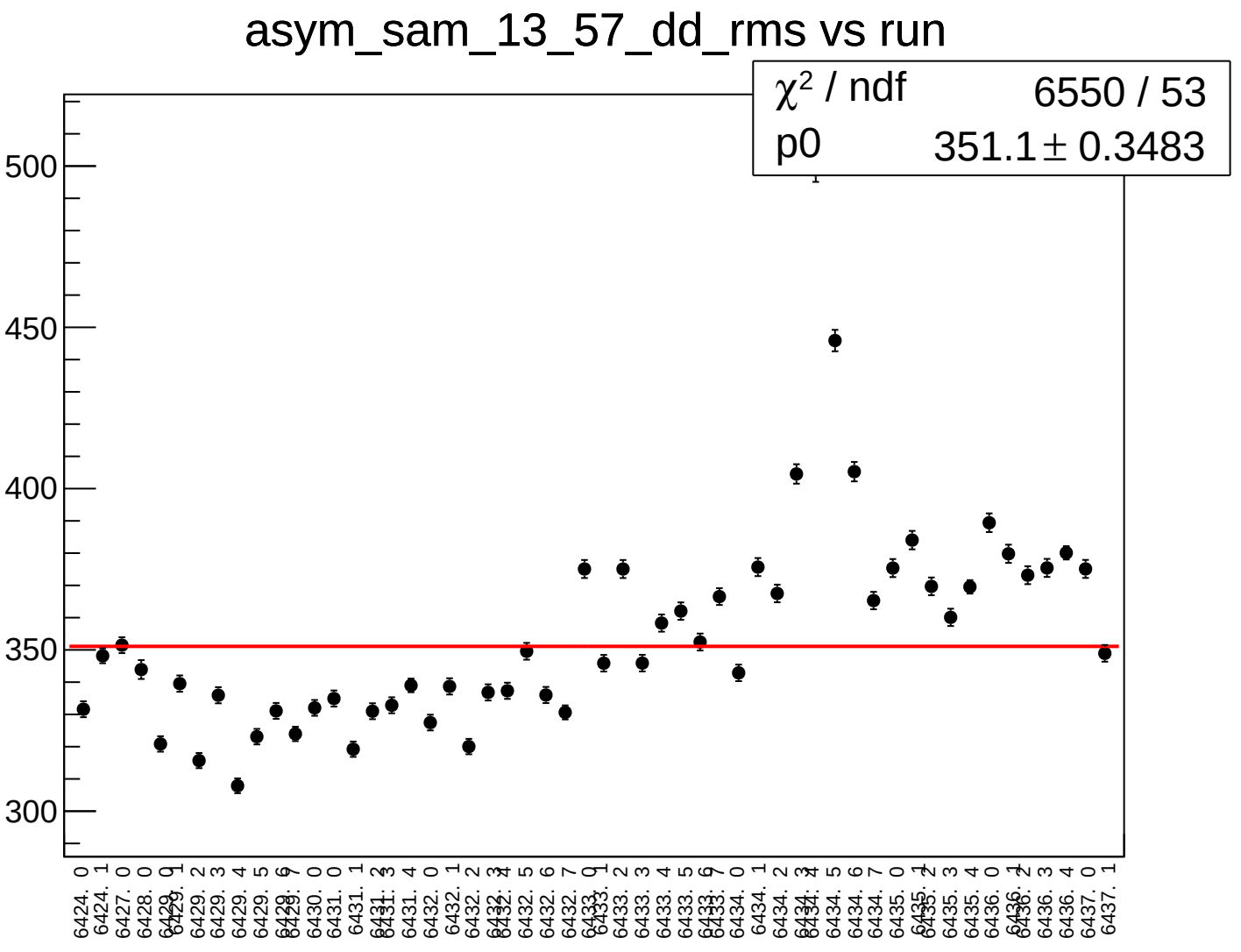
0
2
4
6
8


asym_sam_13_57_dd_rms vs run
χ² / ndf 6550 / 53
p0 351.1 ± 0.3483
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
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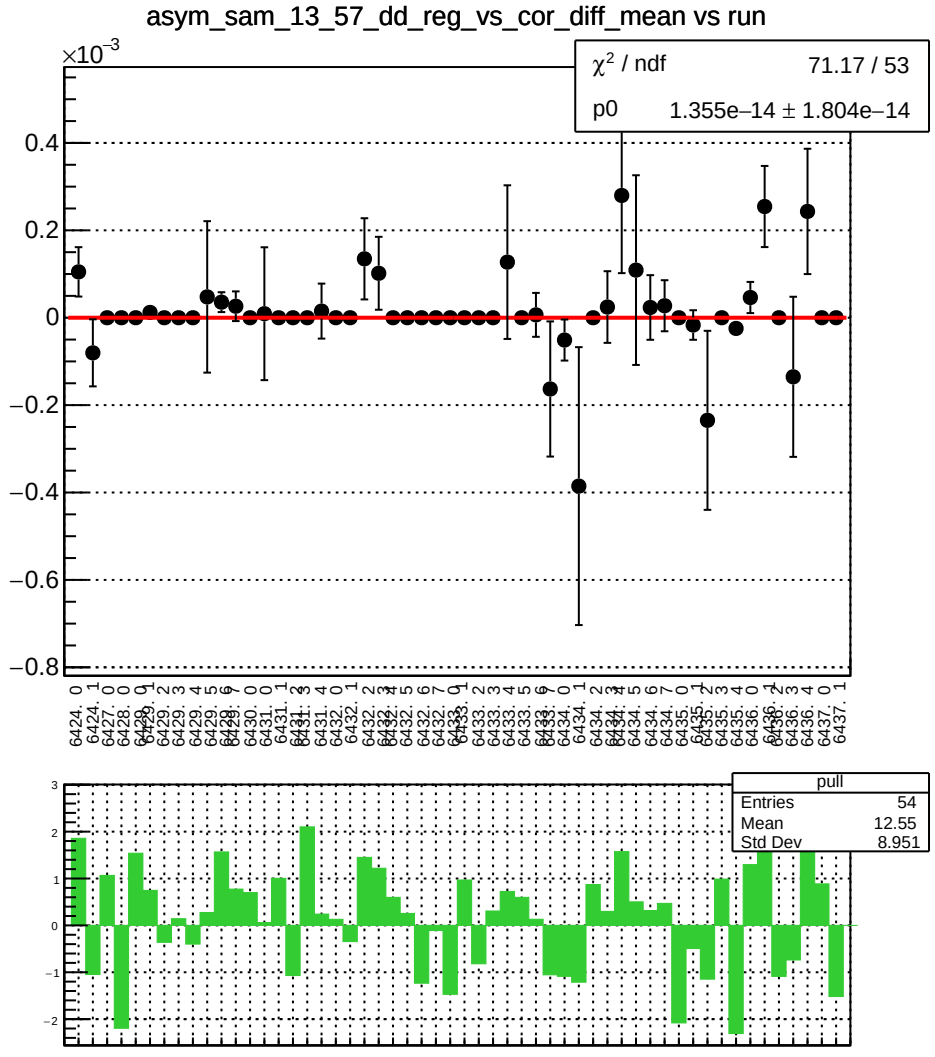
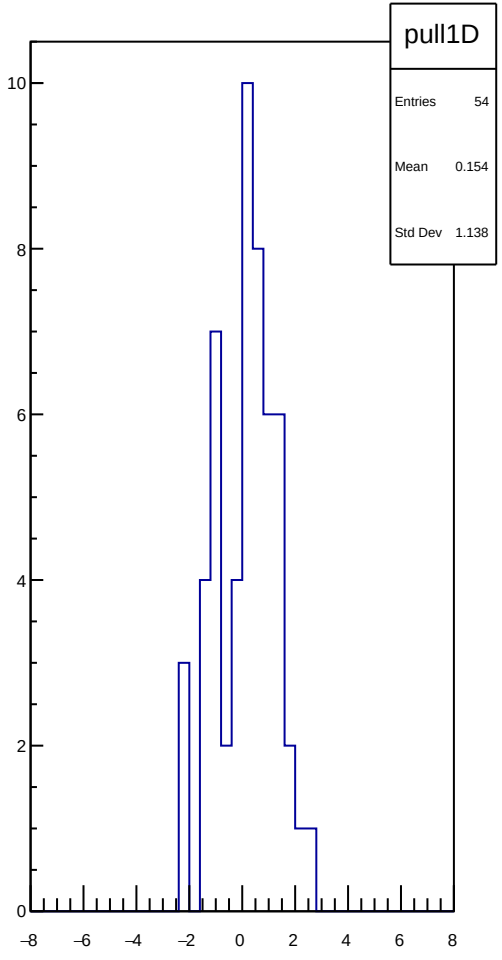
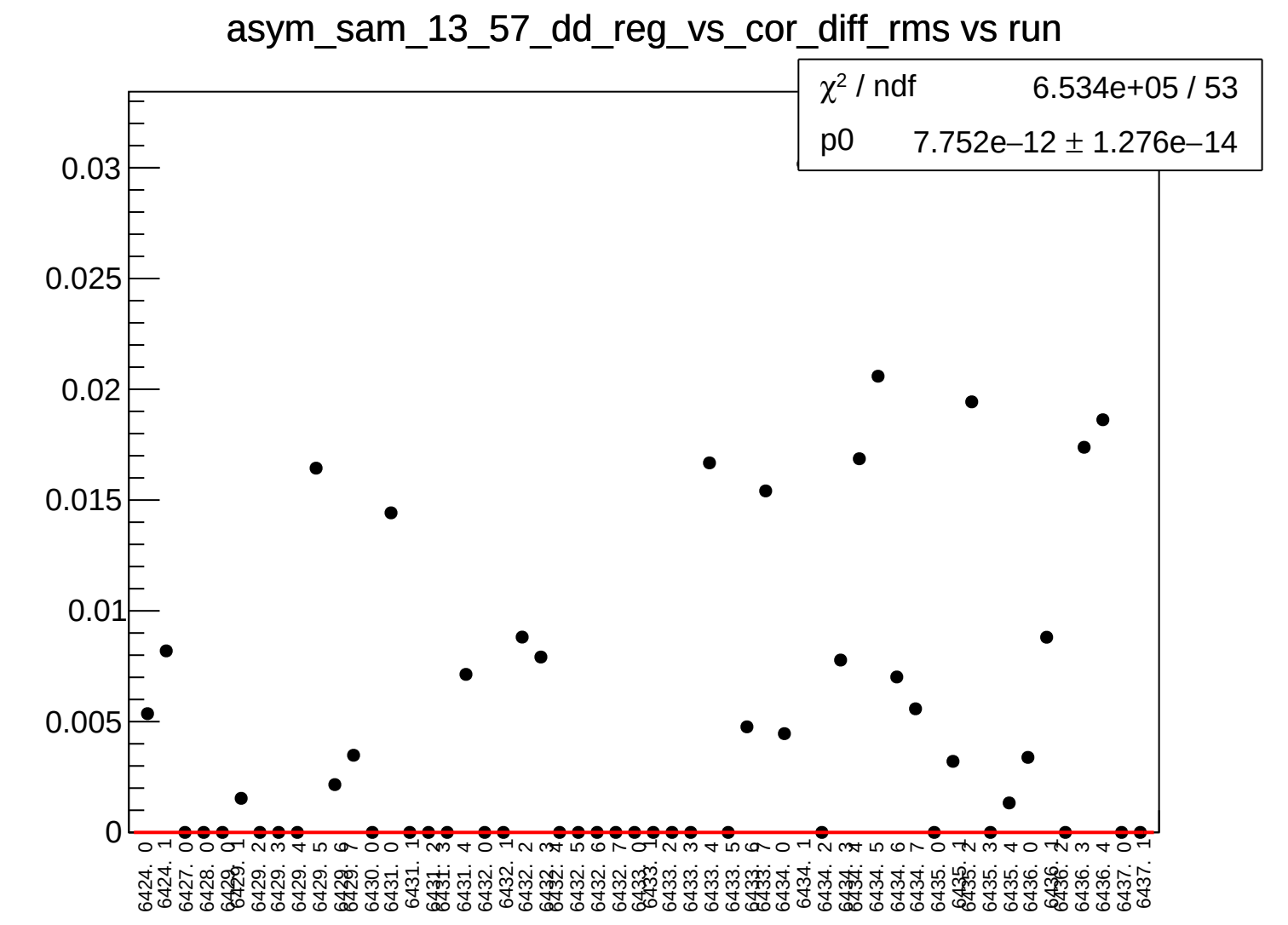
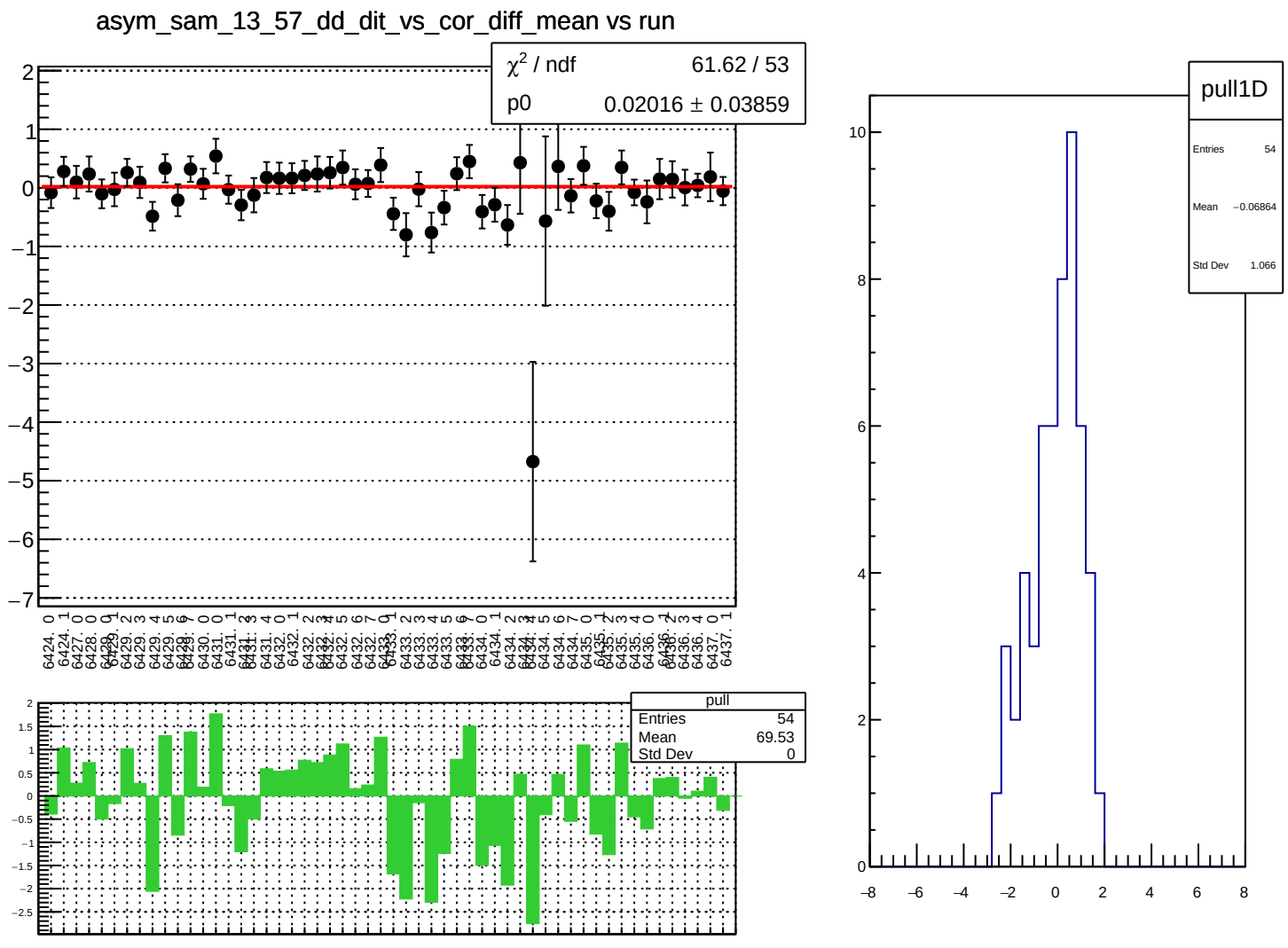
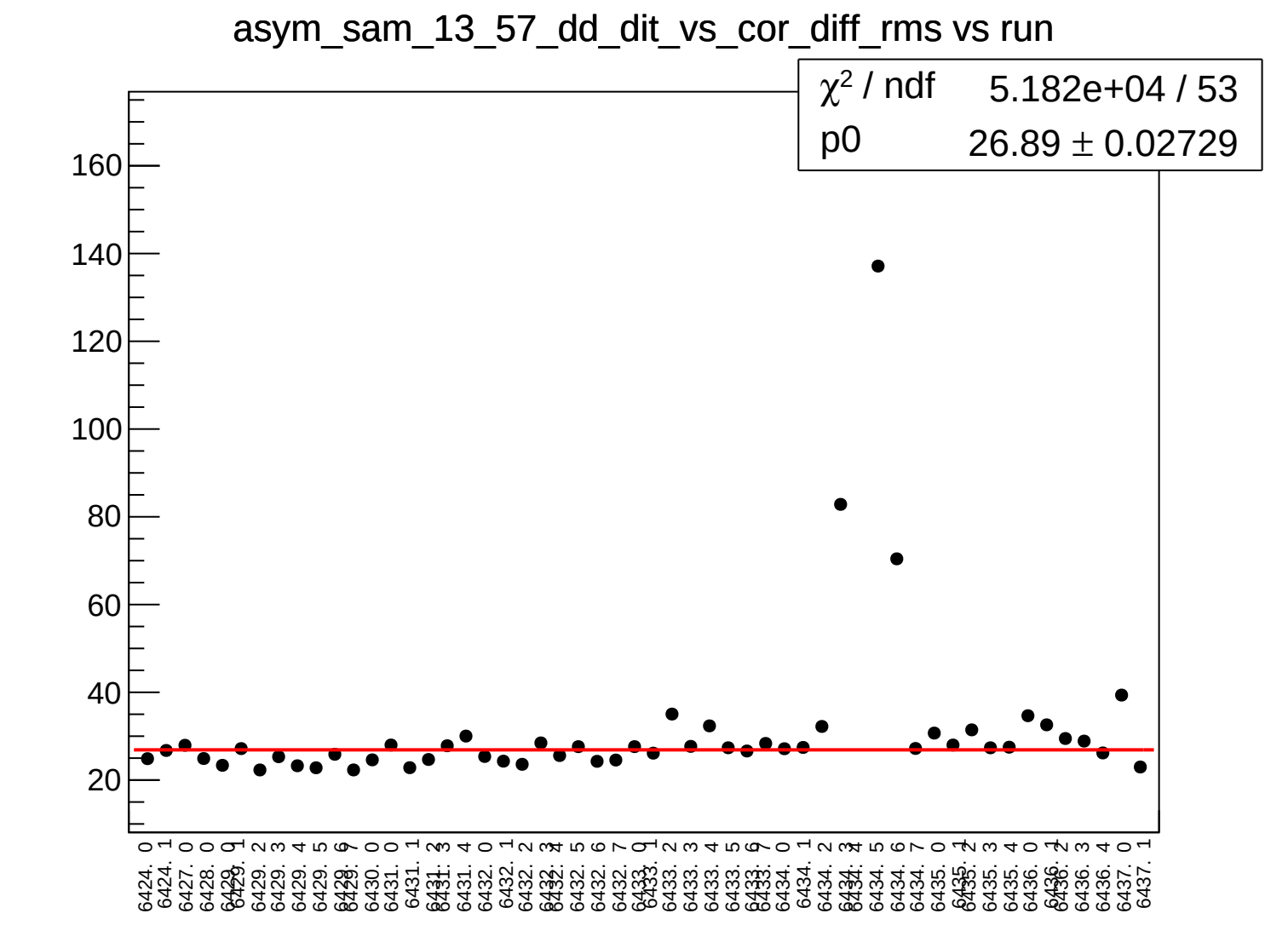
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

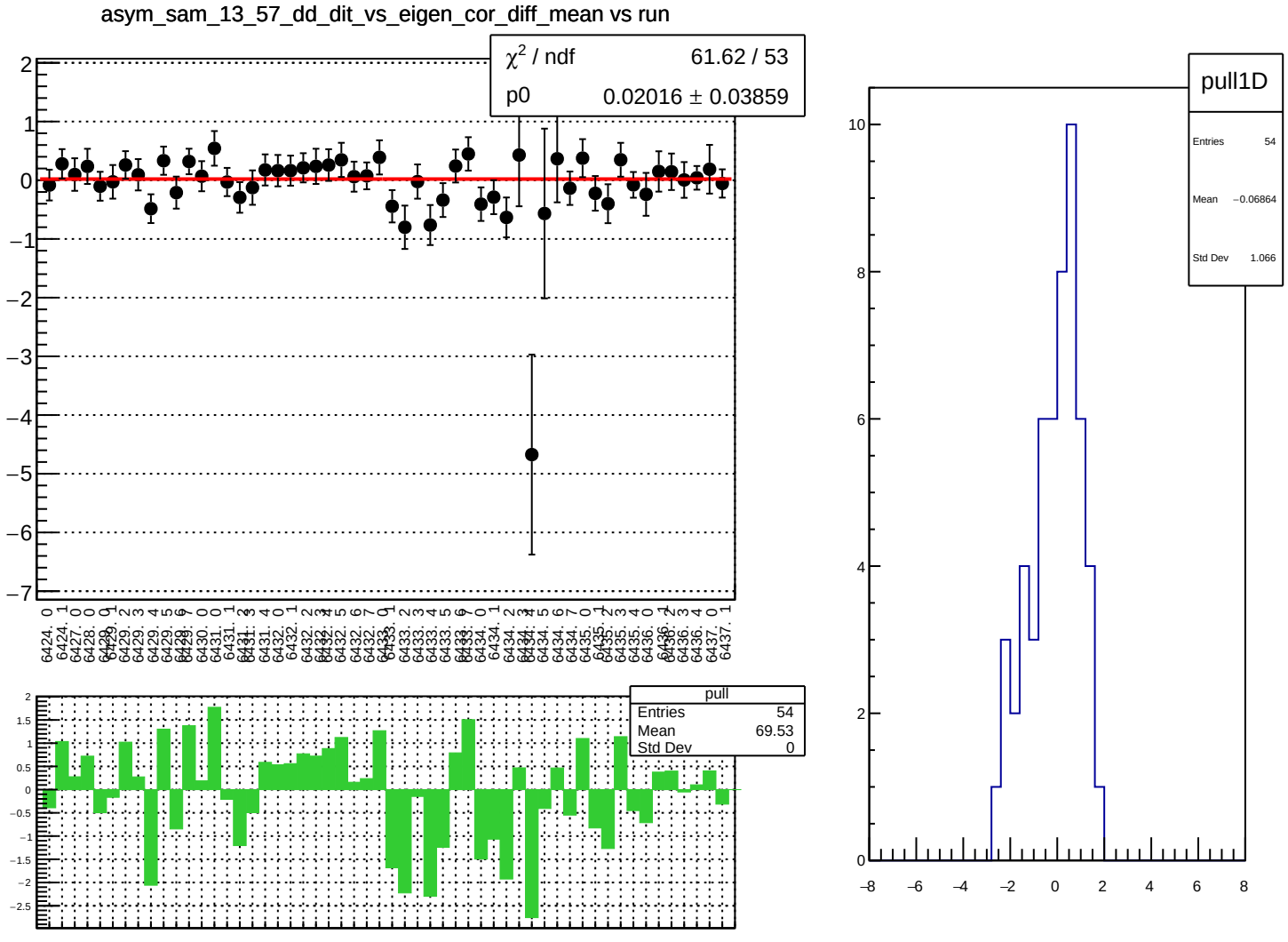

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 71.17 / 53
p0 1.355e−14 ± 1.804e−14
pull
Entries 54
Mean 12.55
Std Dev 8.951

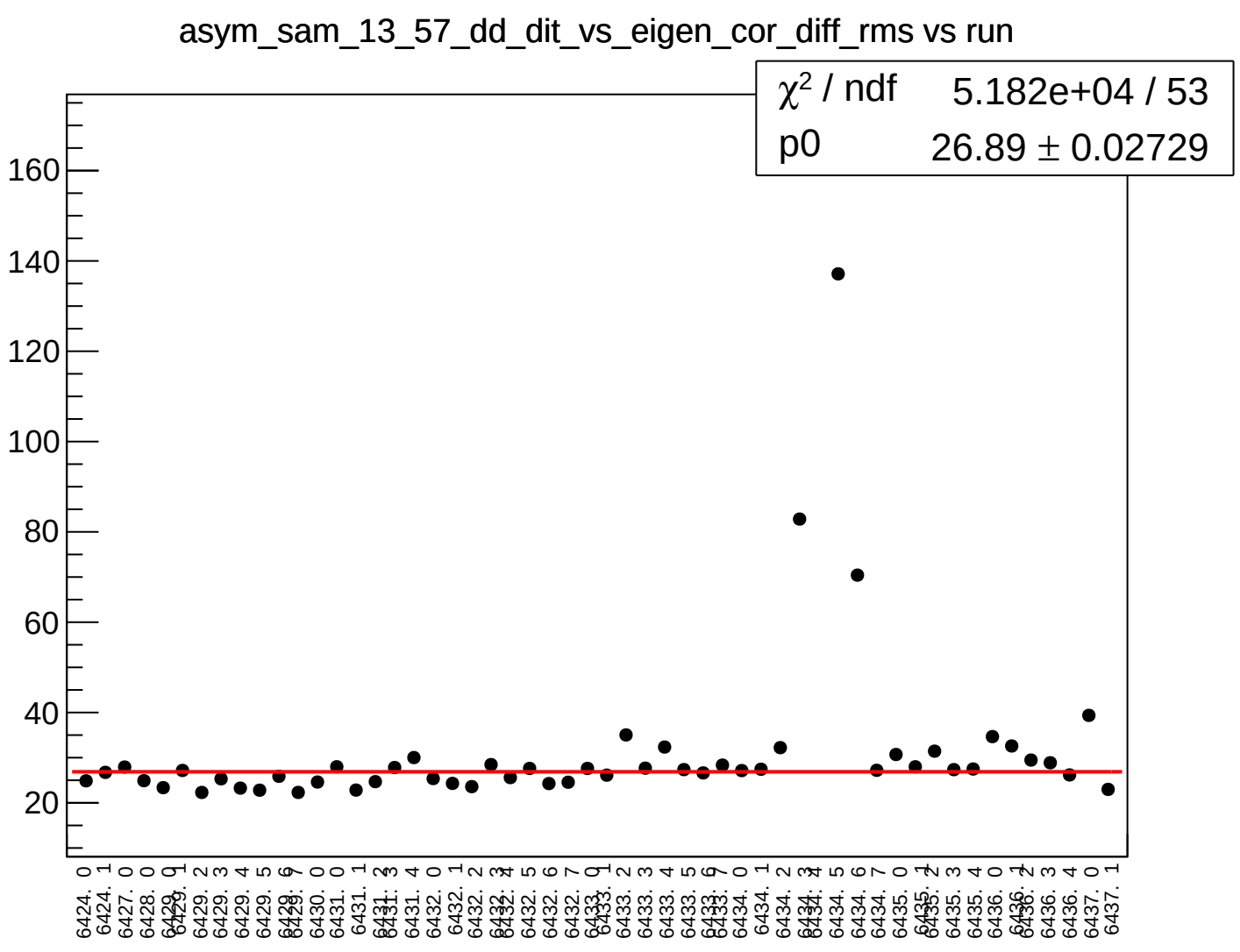

pull1D
Entries 54
Mean 0.154
Std Dev 1.138

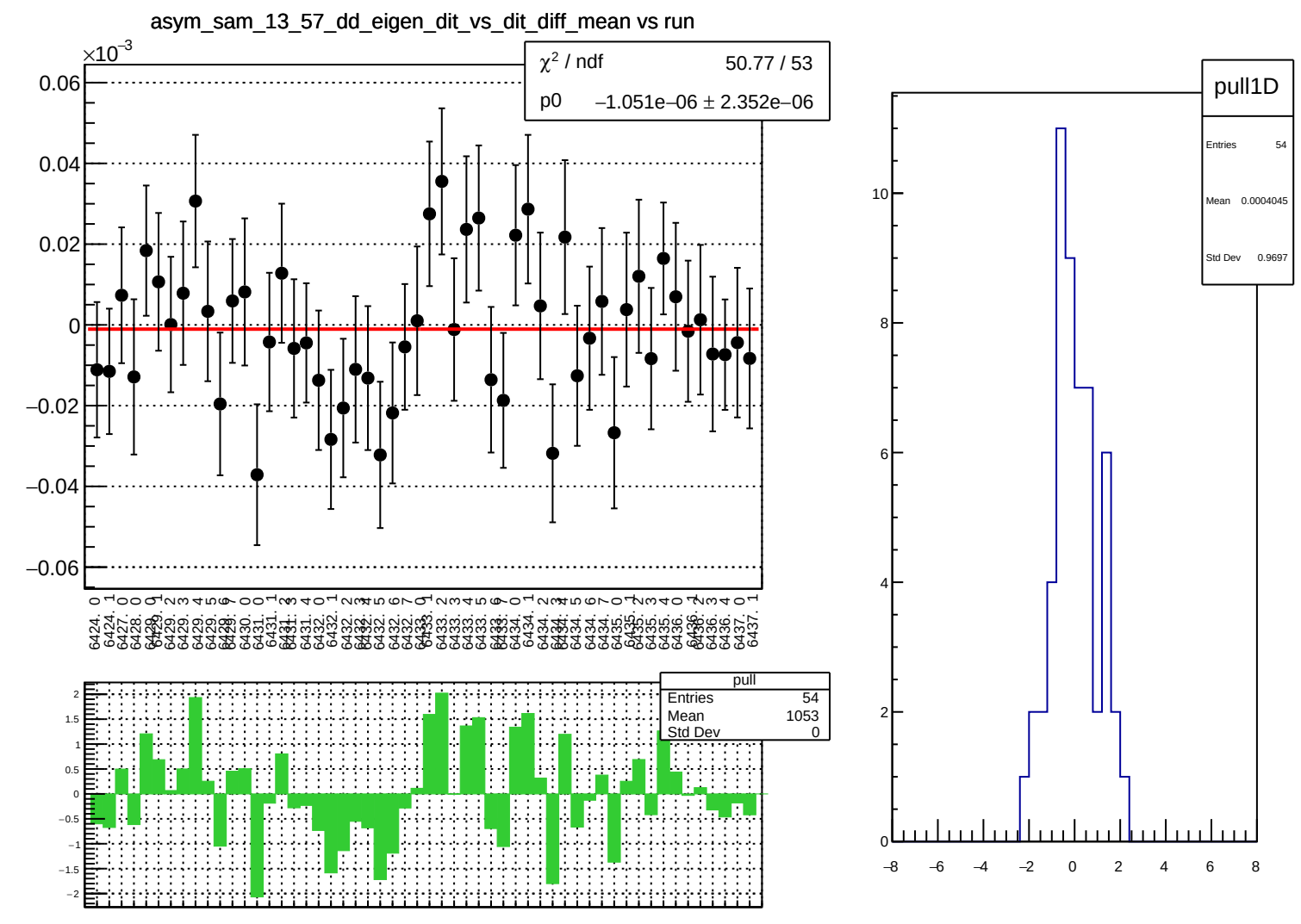

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.534e+05 / 53
p0 7.752e−12 ± 1.276e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

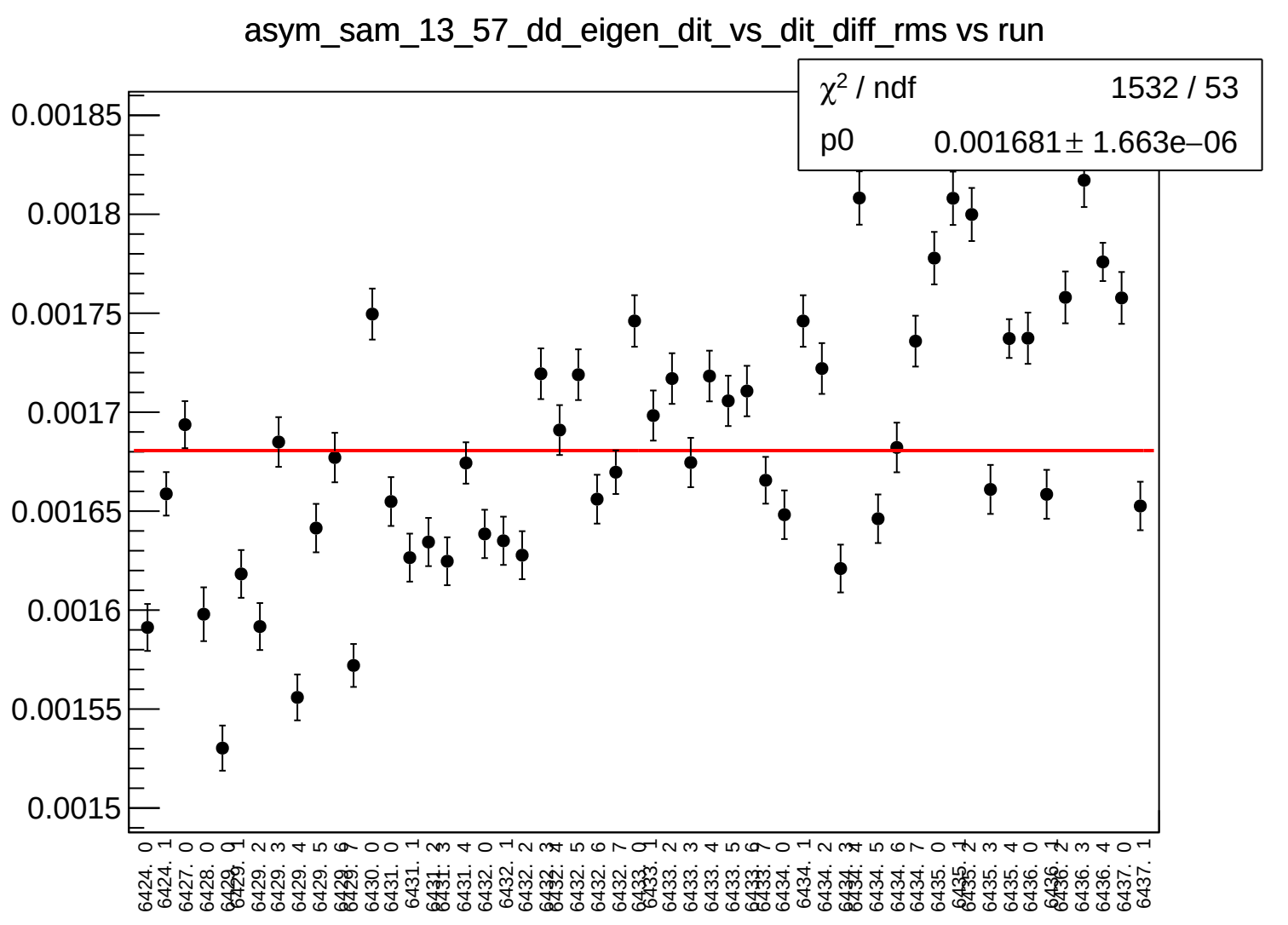

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 61.62 / 53
p0 0.02016 ± 0.03859
pull
Entries 54
Mean 69.53
Std Dev 0
pull1D
Entries 54
Mean −0.06864
Std Dev 1.066

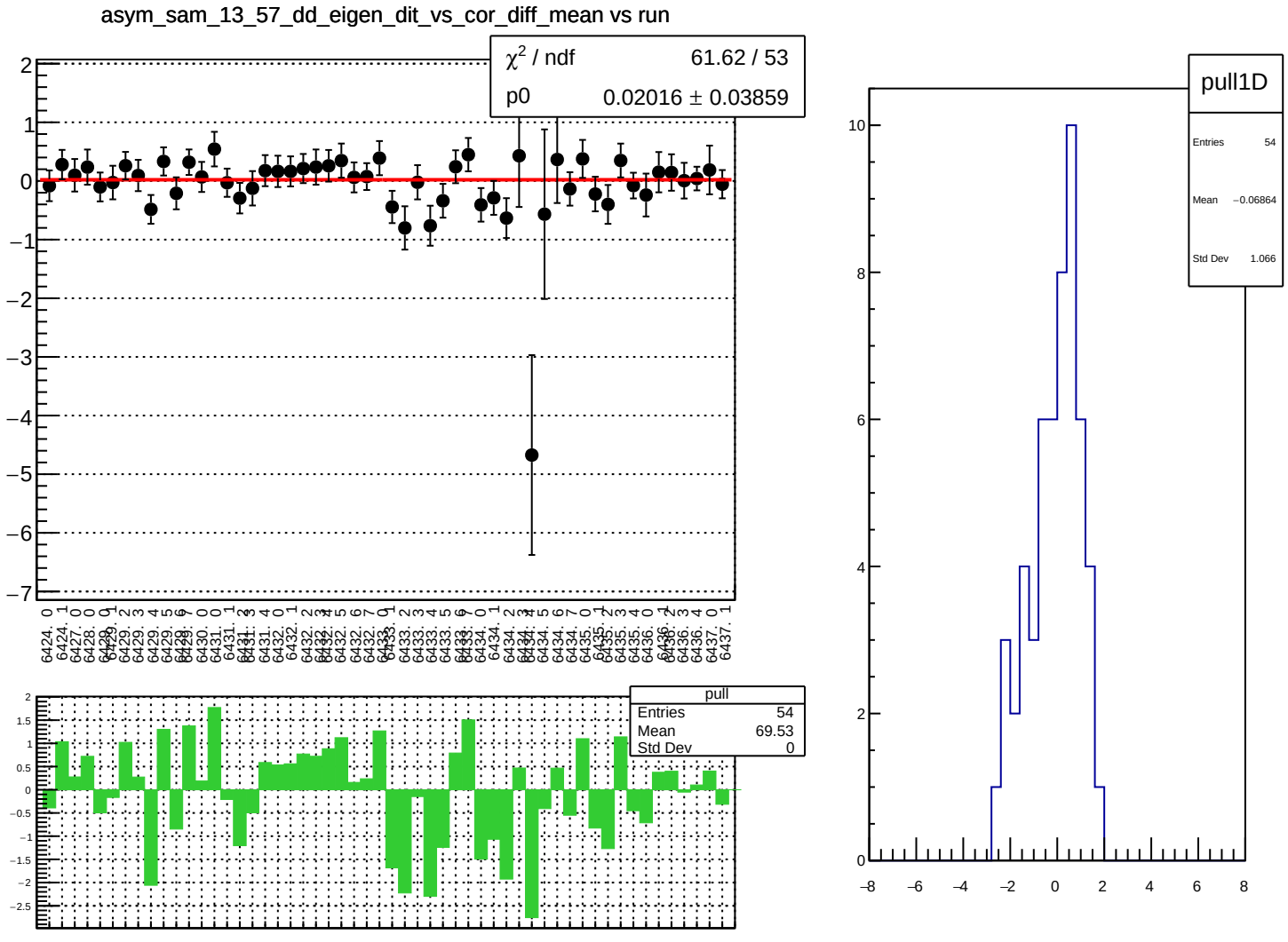

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.182e+04 / 53
p0 26.89 ± 0.02729
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

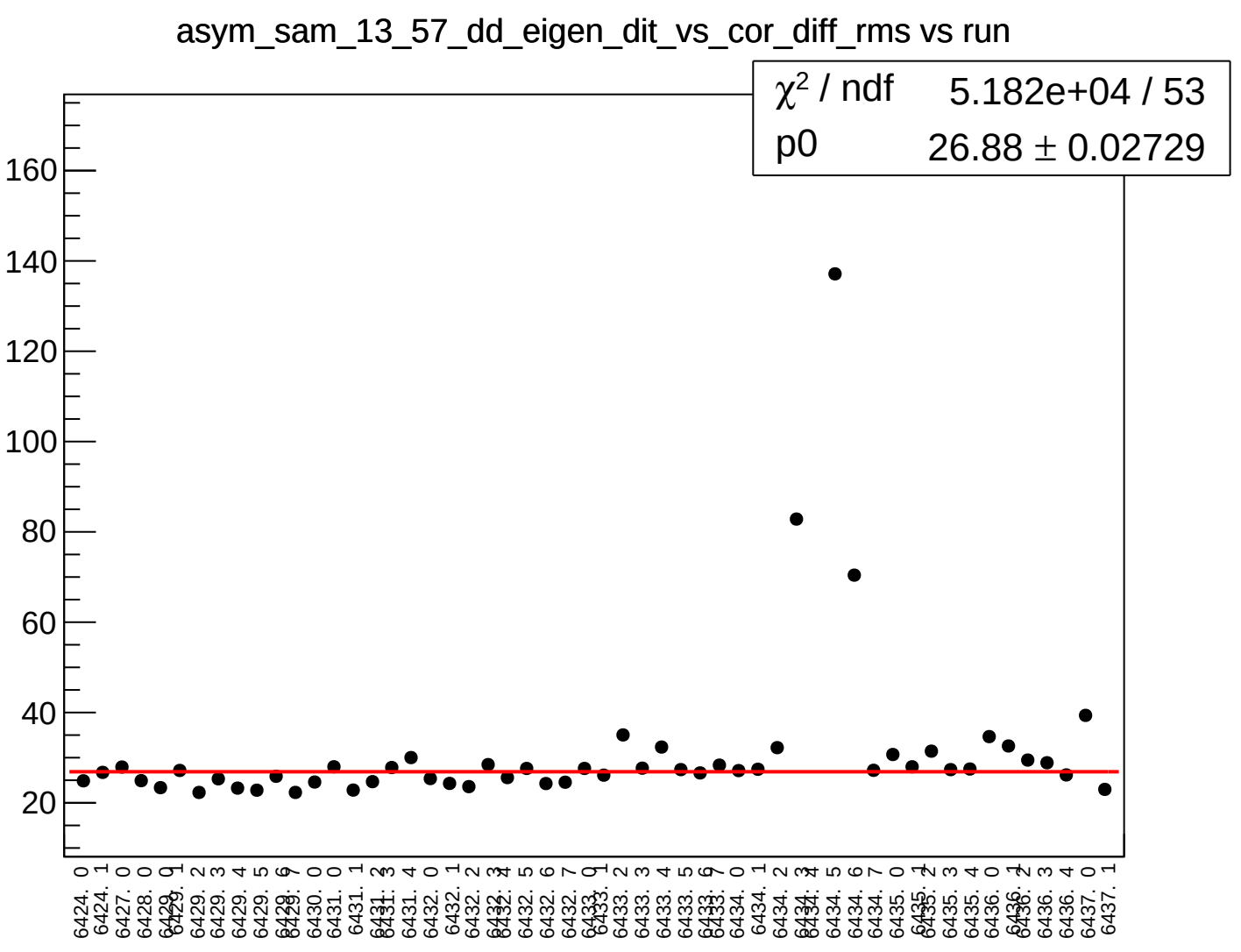

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.62 / 53
p0 0.02016 ± 0.03859
pull
Entries 54
Mean 69.53
Std Dev 0
pull1D
Entries 54
Mean −0.06864
Std Dev 1.066

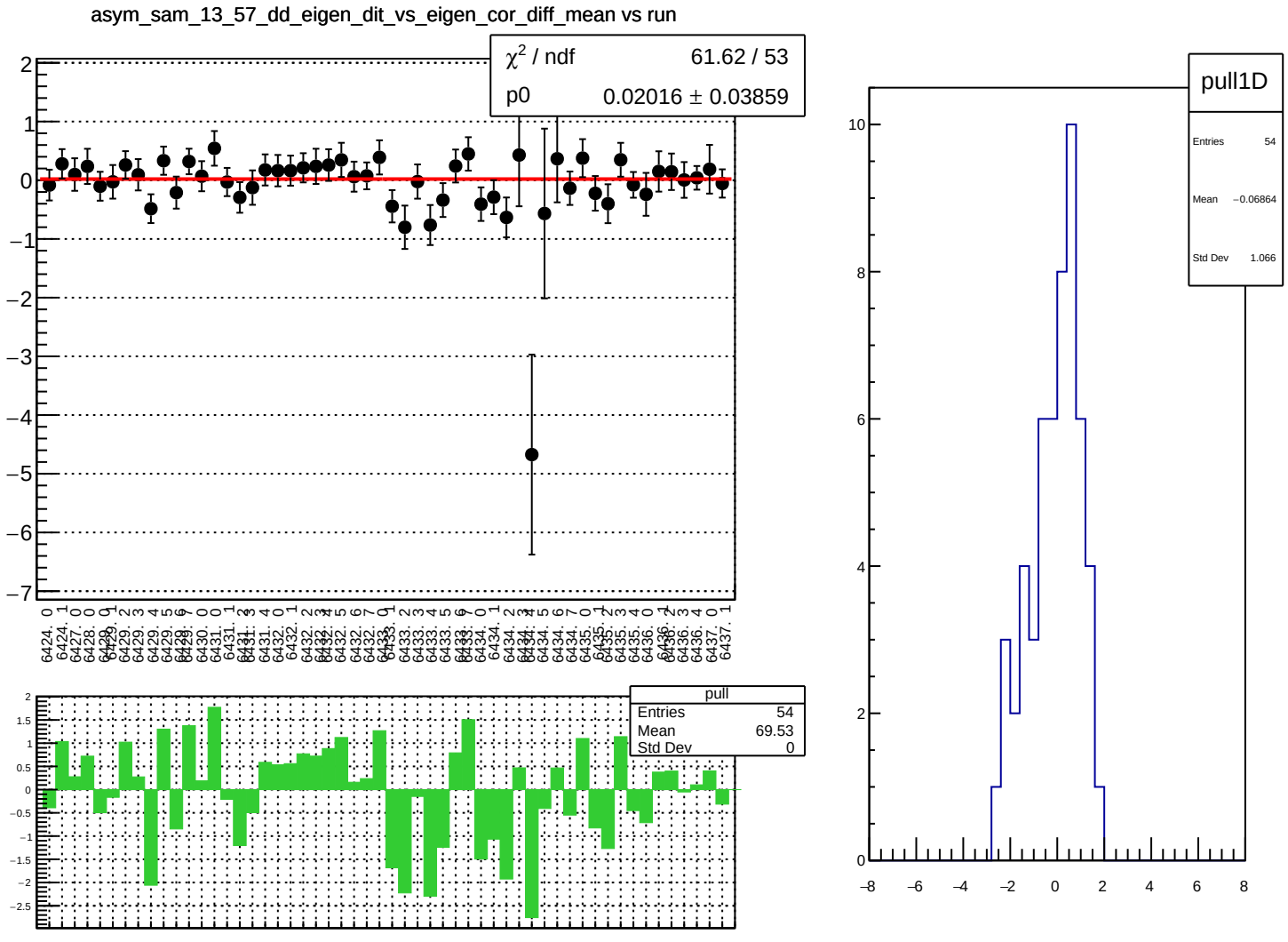

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.182e+04 / 53
p0 26.89 ± 0.02729
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

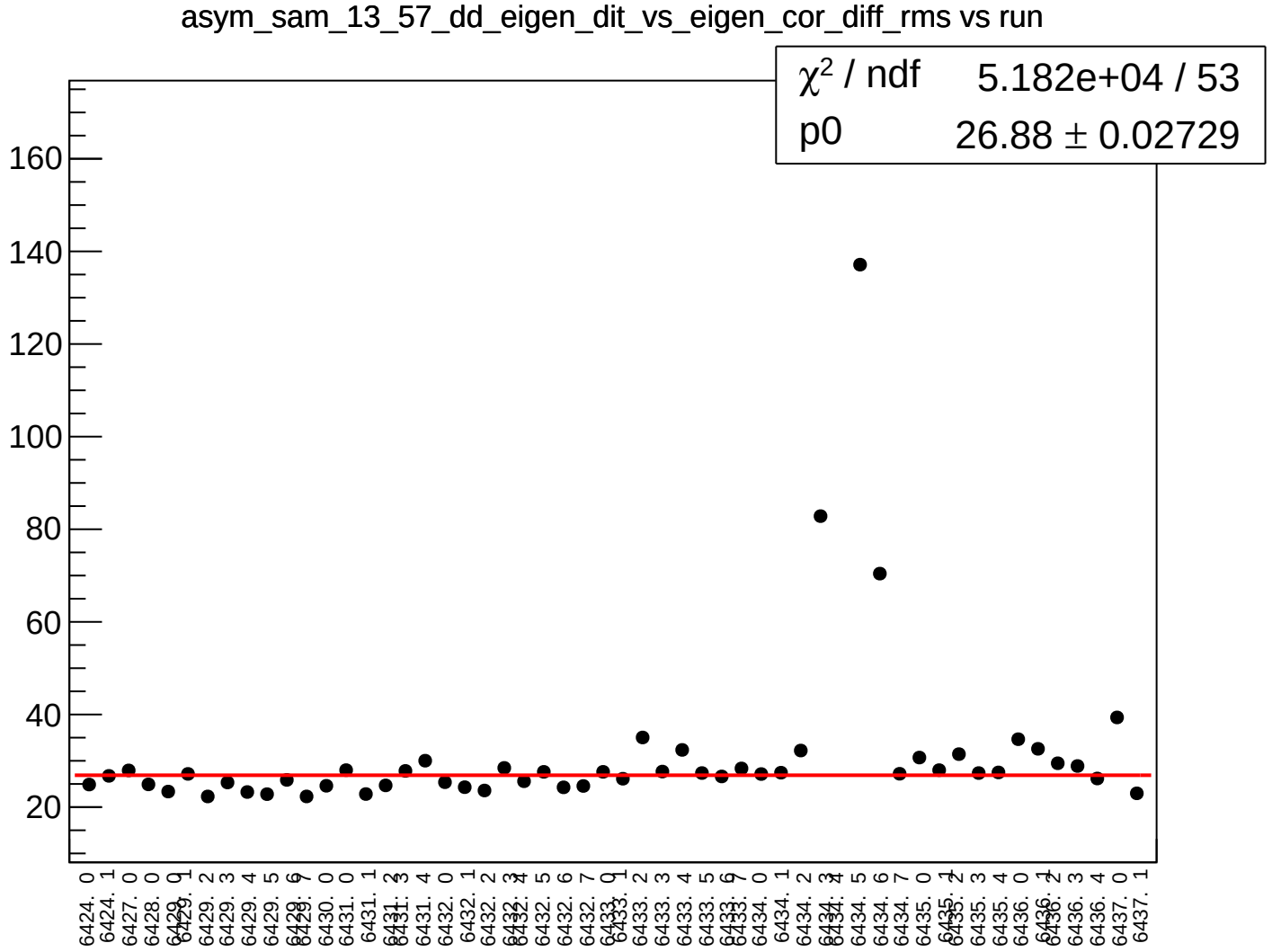

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 50.77 / 53
p0 −1.051e−06 ± 2.352e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 54
Mean 1053
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.0004045
Std Dev 0.9697
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

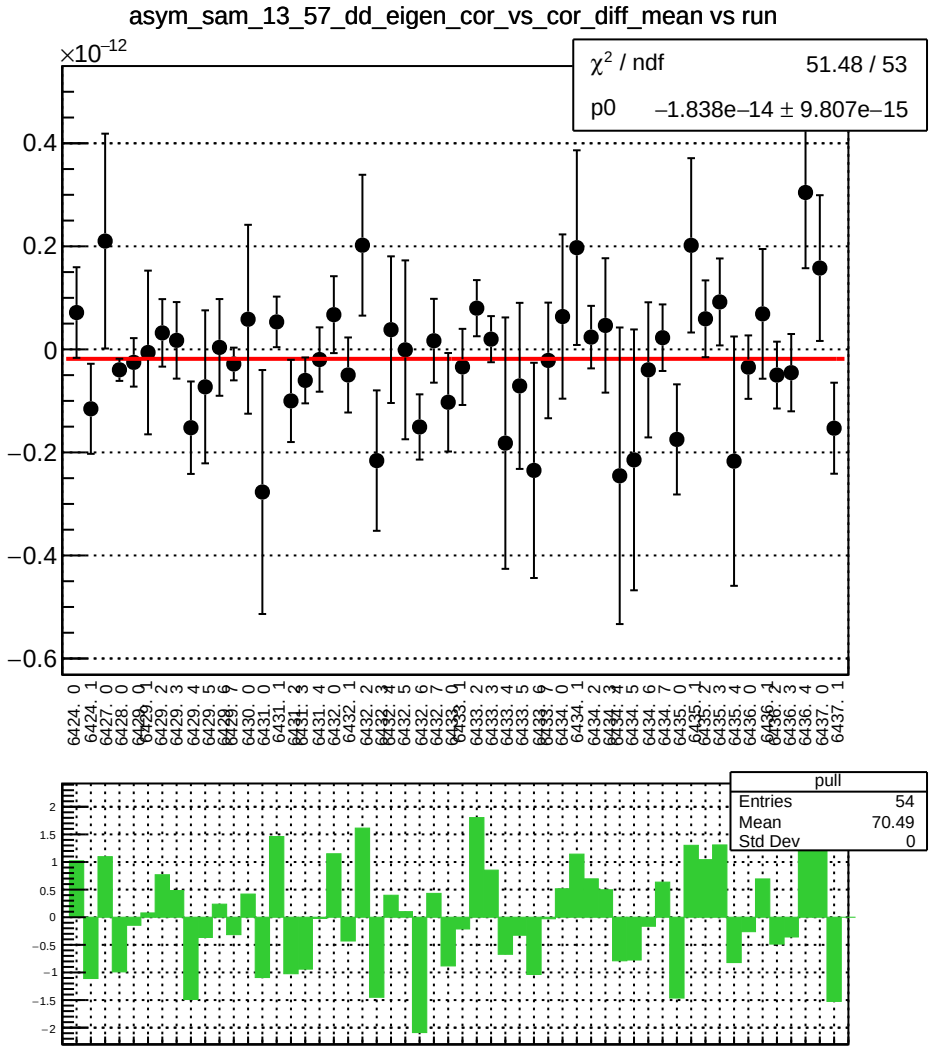

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1532 / 53
p0 0.001681 ± 1.663e−06
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

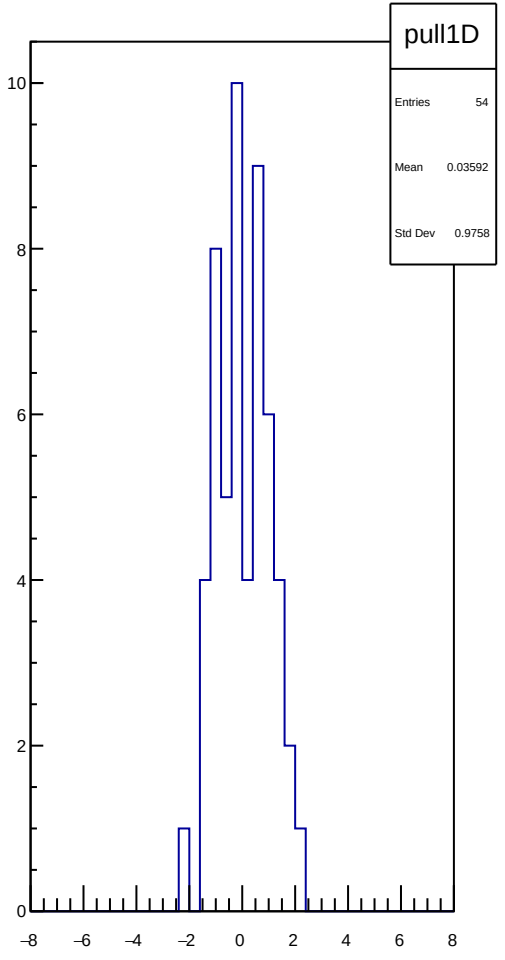

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.62 / 53
p0 0.02016 ± 0.03859
pull
Entries 54
Mean 69.53
Std Dev 0
pull1D
Entries 54
Mean −0.06864
Std Dev 1.066

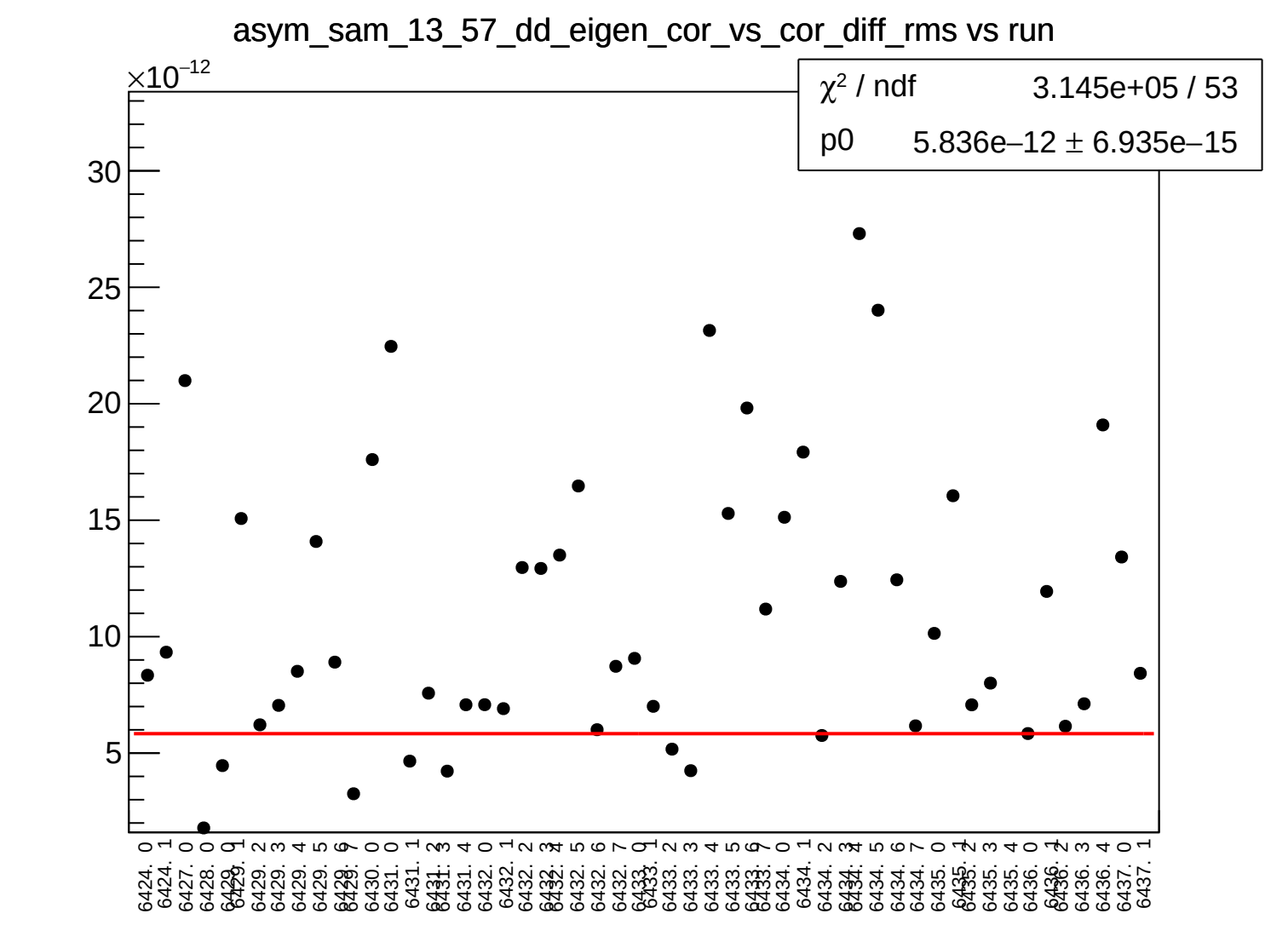

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.182e+04 / 53
p0 26.88 ± 0.02729
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

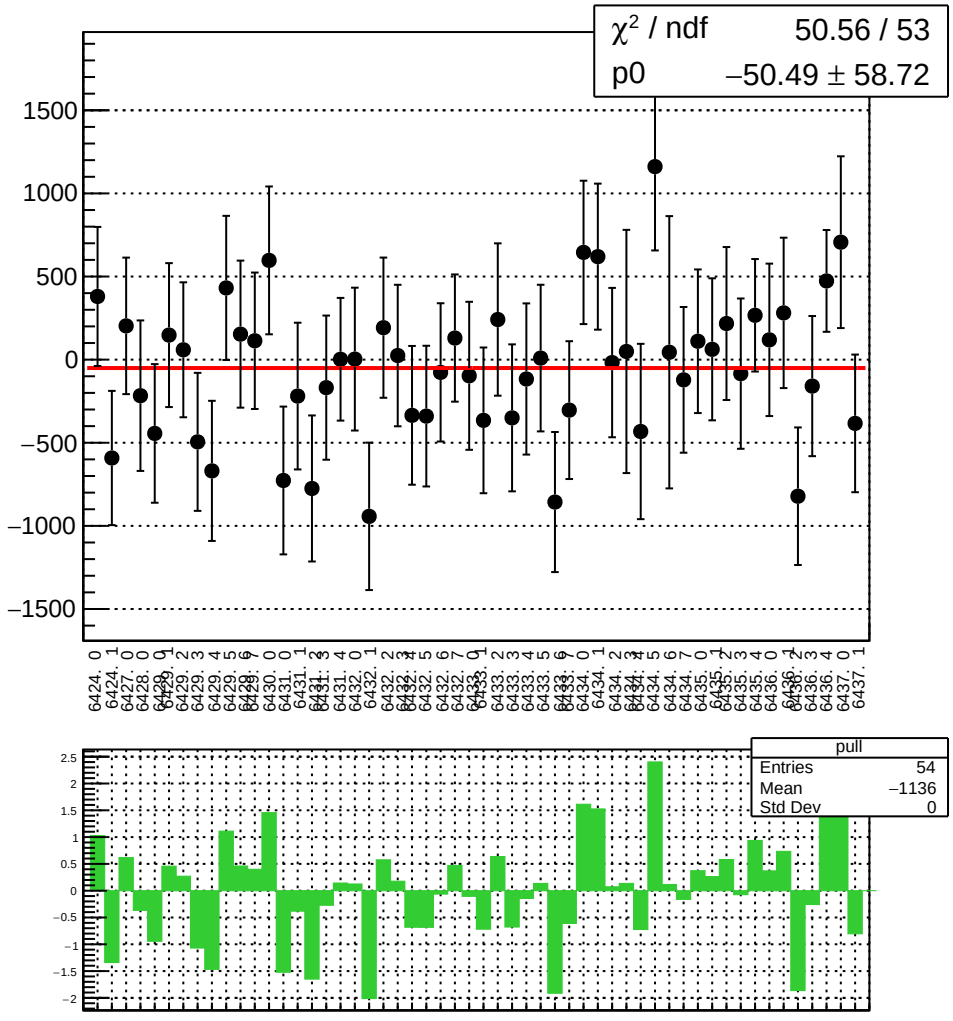

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.62 / 53
p0 0.02016 ± 0.03859
pull
Entries 54
Mean 69.53
Std Dev 0
pull1D
Entries 54
Mean −0.06864
Std Dev 1.066

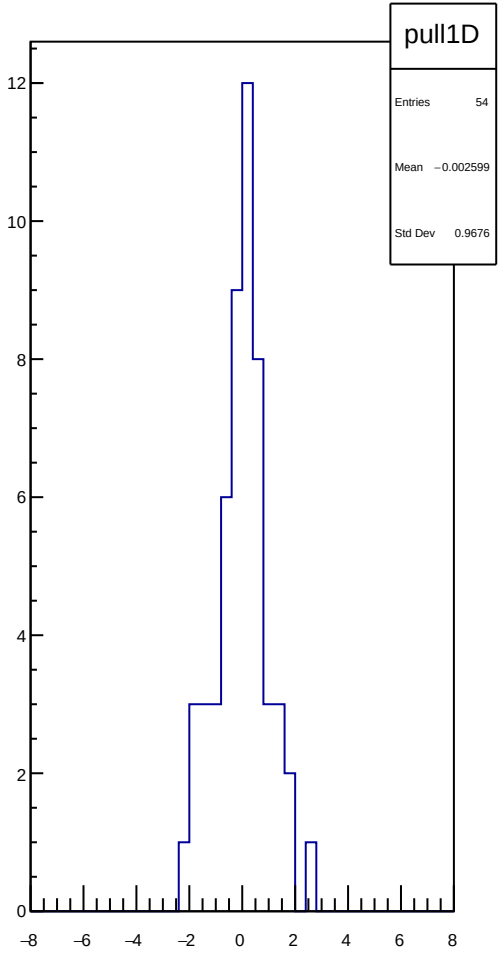

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.182e+04 / 53
p0 26.88 ± 0.02729
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

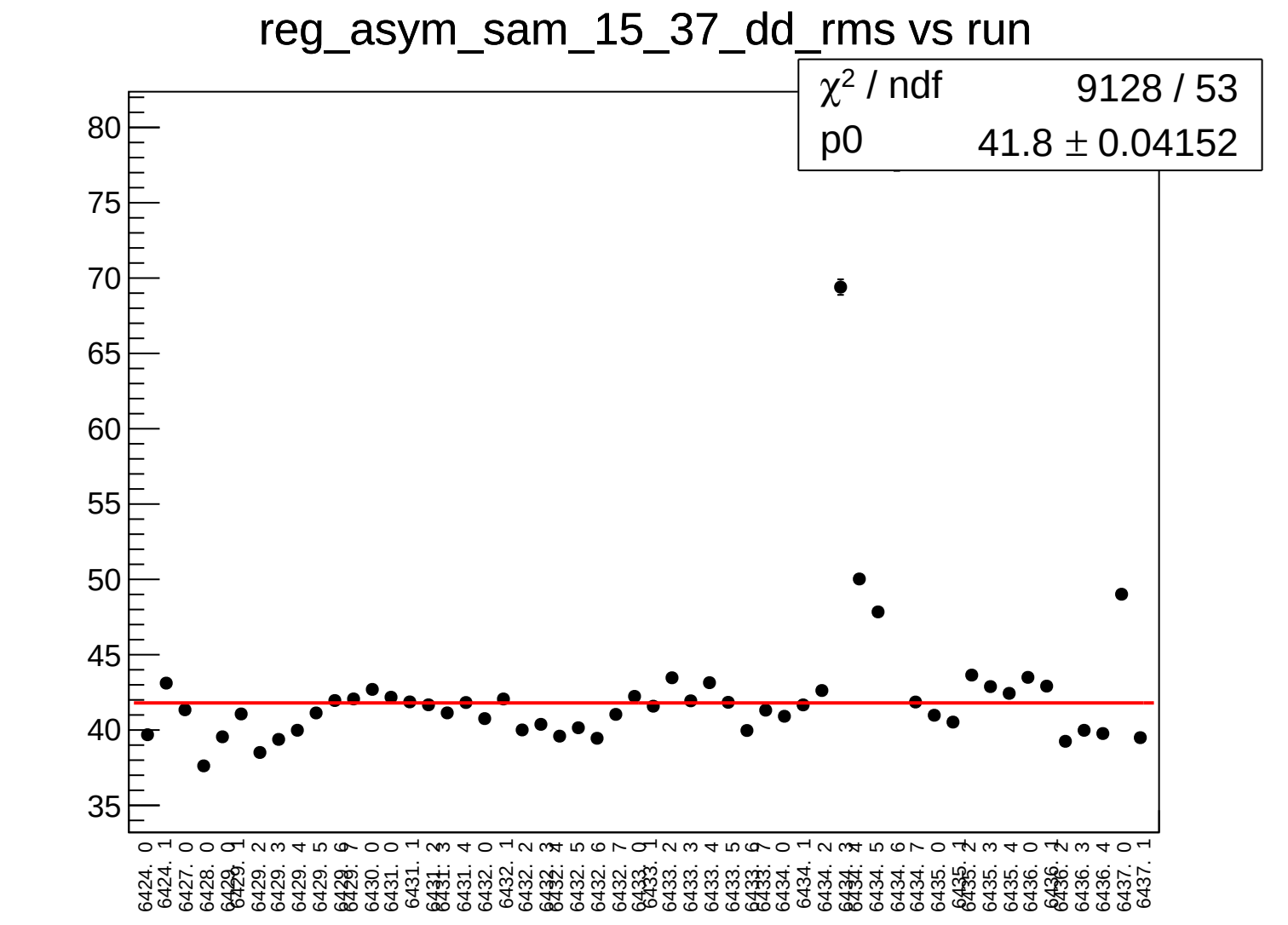

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.48 / 53
p0 −1.838e−14 ± 9.807e−15
pull
Entries 54
Mean 70.49
Std Dev 0

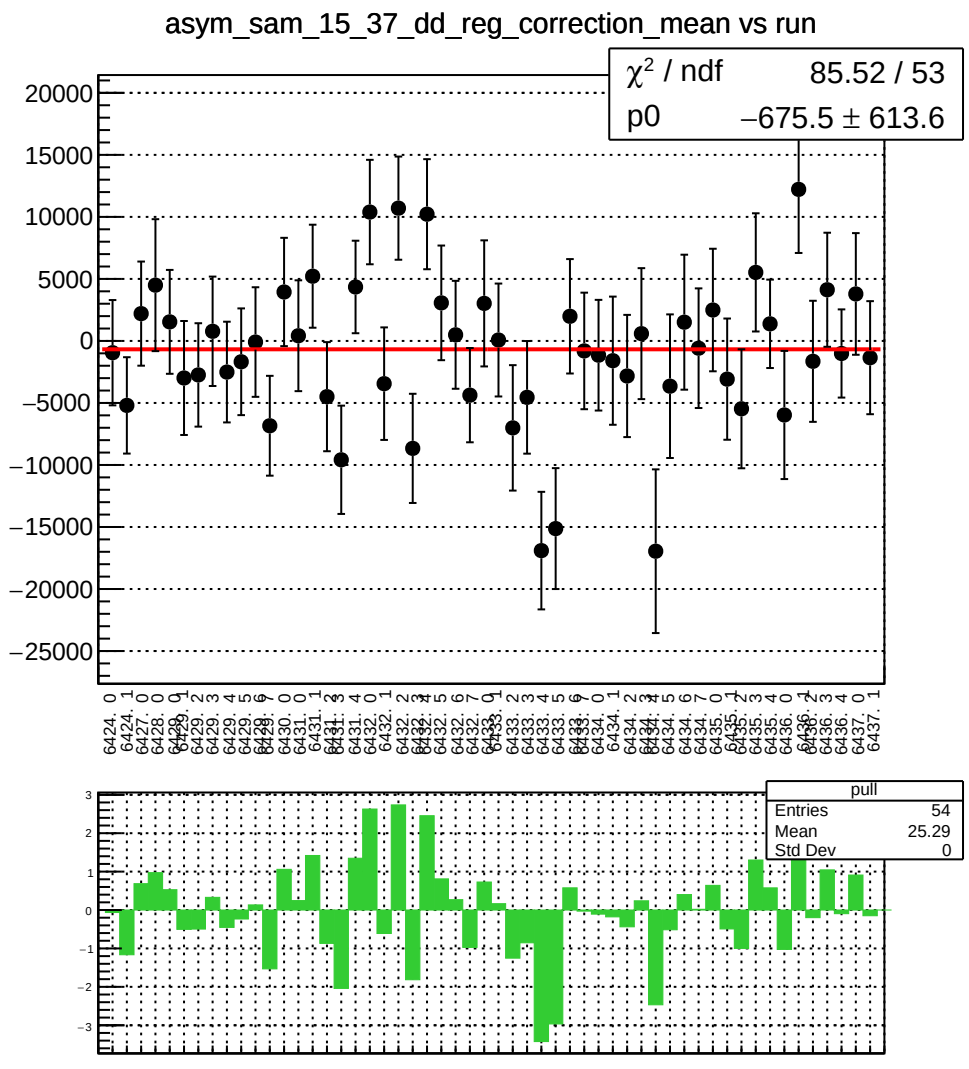

pull1D
Entries 54
Mean 0.03592
Std Dev 0.9758

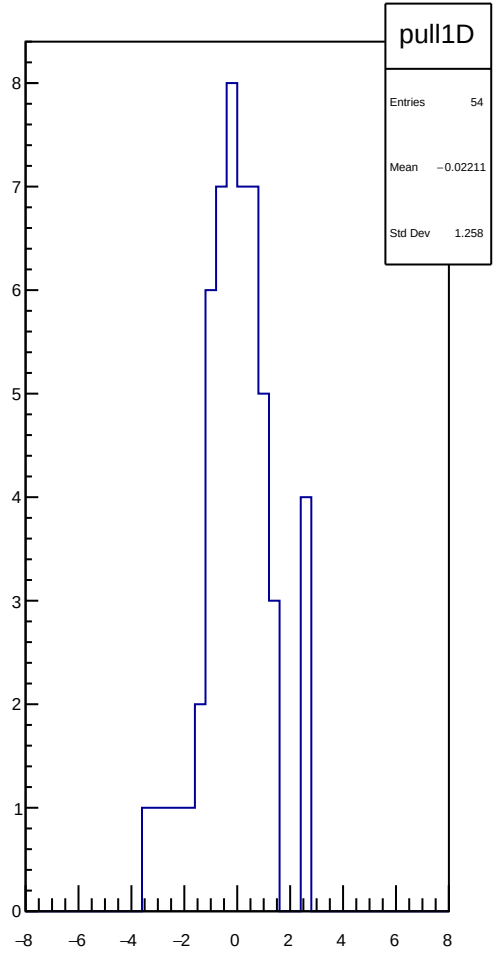

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.145e+05 / 53
p0 5.836e−12 ± 6.935e−15
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

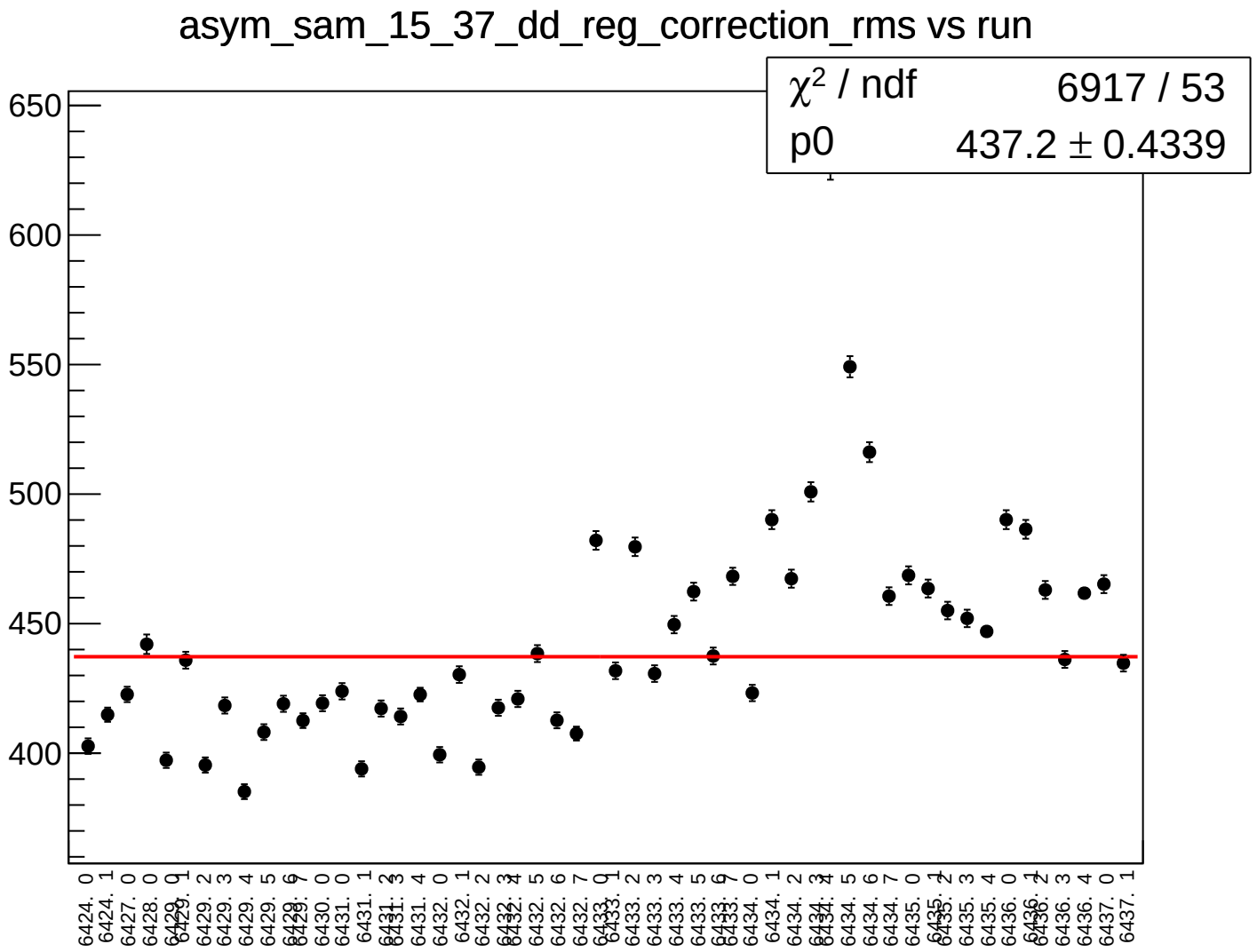

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.56 / 53
p0 −50.49 ± 58.72
pull
Entries 54
Mean −1136
Std Dev 0

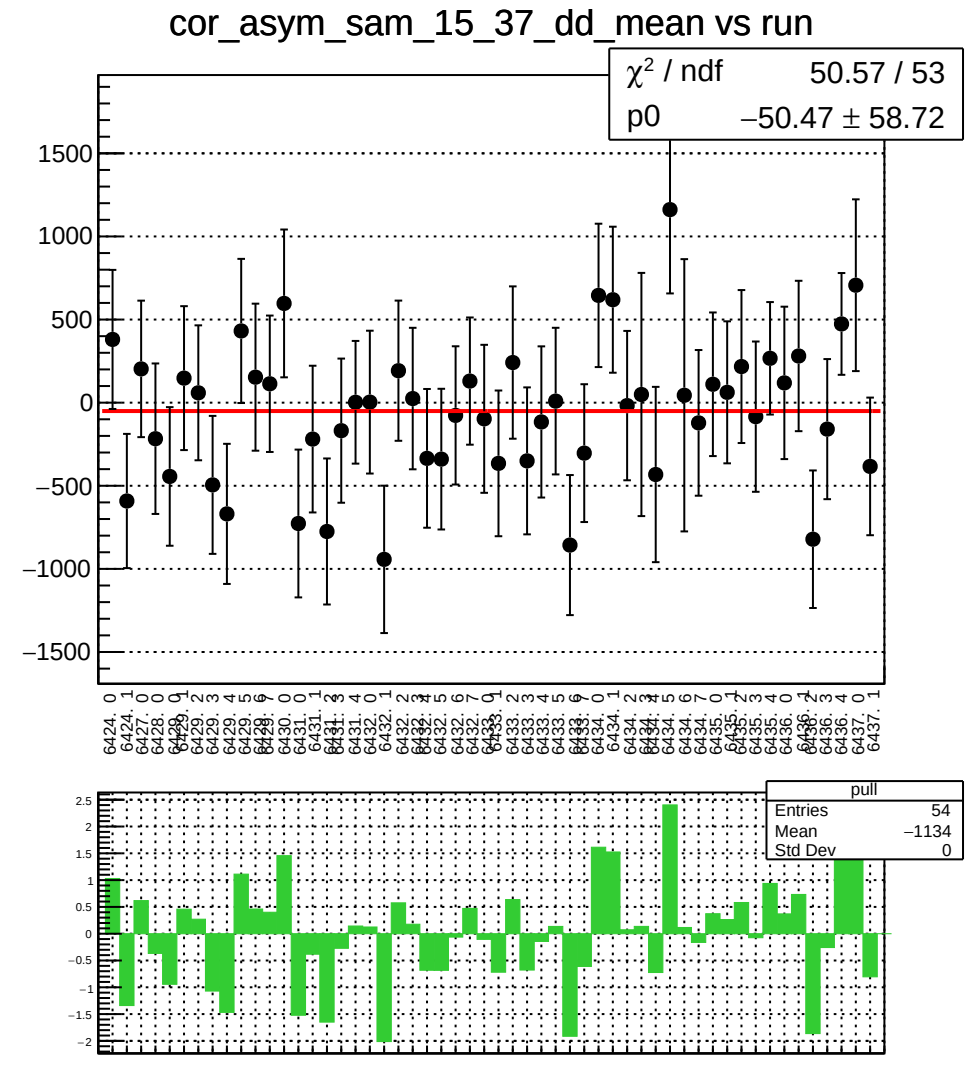

pull1D
Entries 54
Mean −0.002599
Std Dev 0.9676

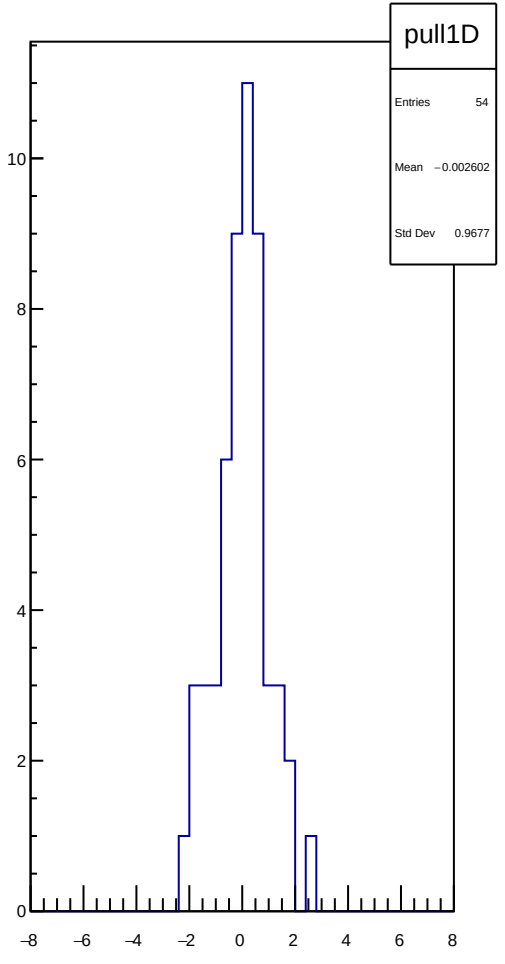

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 9128 / 53
p0 41.8 ± 0.04152
80
75
70
65
60
55
50
45
40
35
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

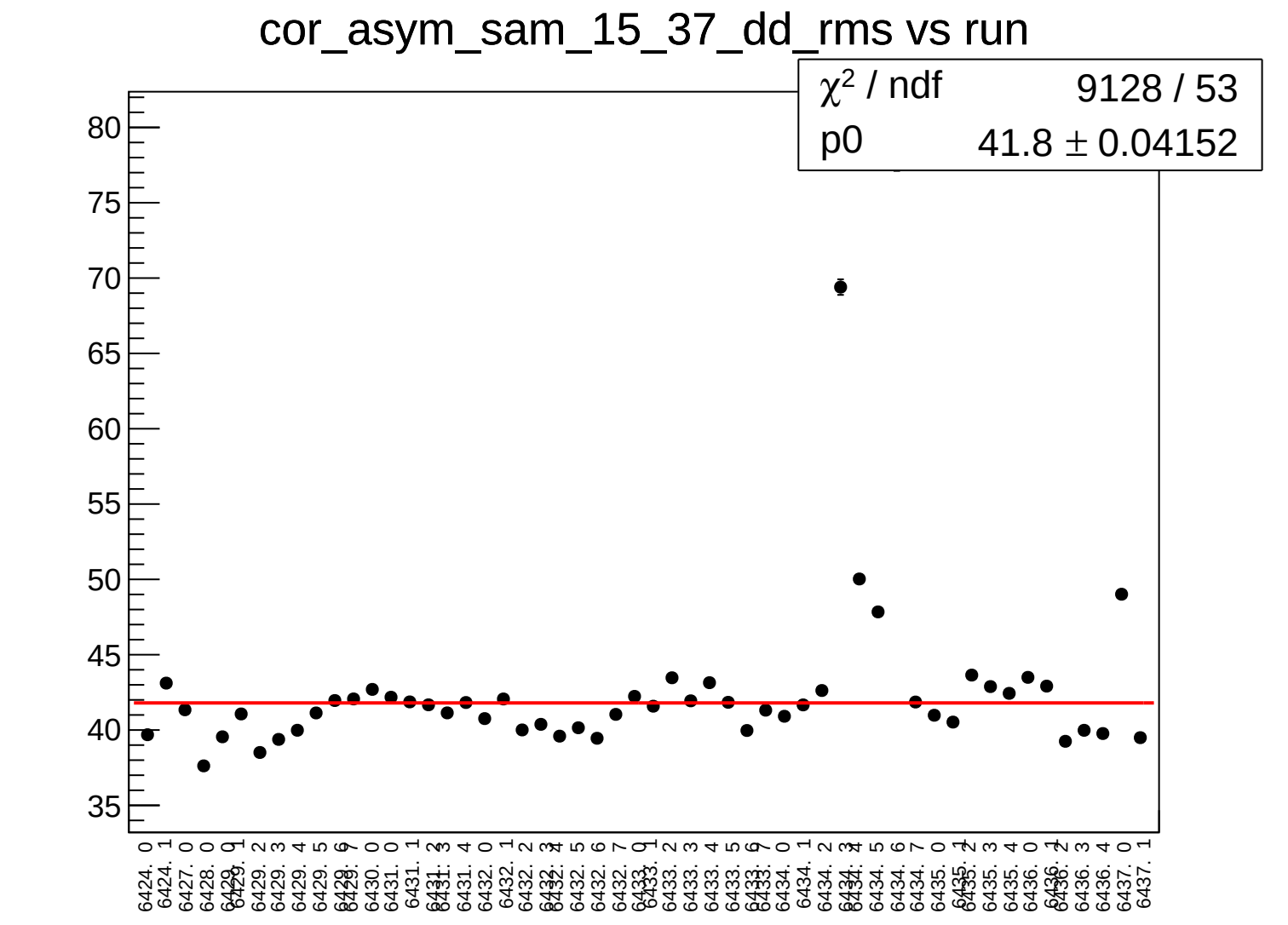

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 85.52 / 53
p0 −675.5 ± 613.6
pull
Entries 54
Mean 25.29
Std Dev 0


pull1D
Entries 54
Mean −0.02211
Std Dev 1.258


asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 6917 / 53
p0 437.2 ± 0.4339
650
600
550
500
450
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.57 / 53
p0 −50.47 ± 58.72
pull
Entries 54
Mean −1134
Std Dev 0


pull1D
Entries 54
Mean −0.002602
Std Dev 0.9677


cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 9128 / 53
p0 41.8 ± 0.04152
80
75
70
65
60
55
50
45
40
35
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
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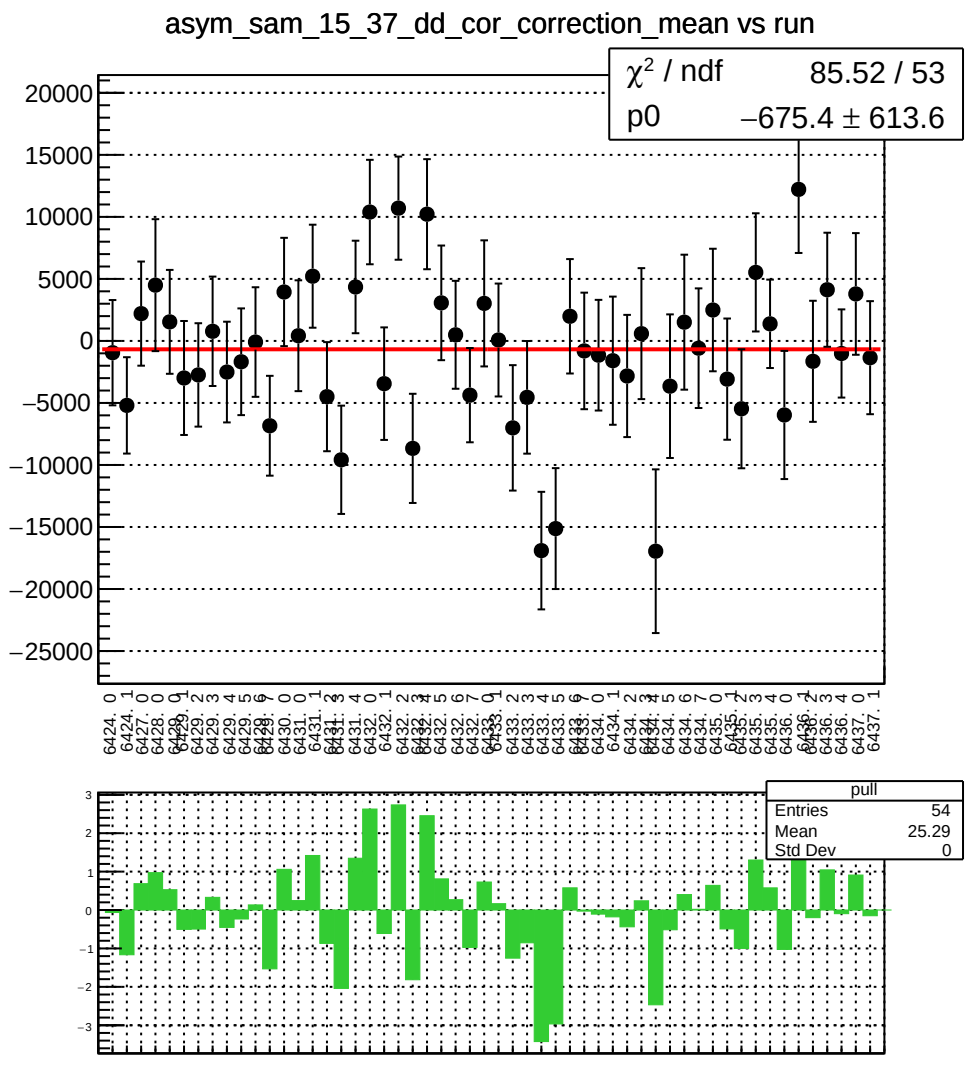
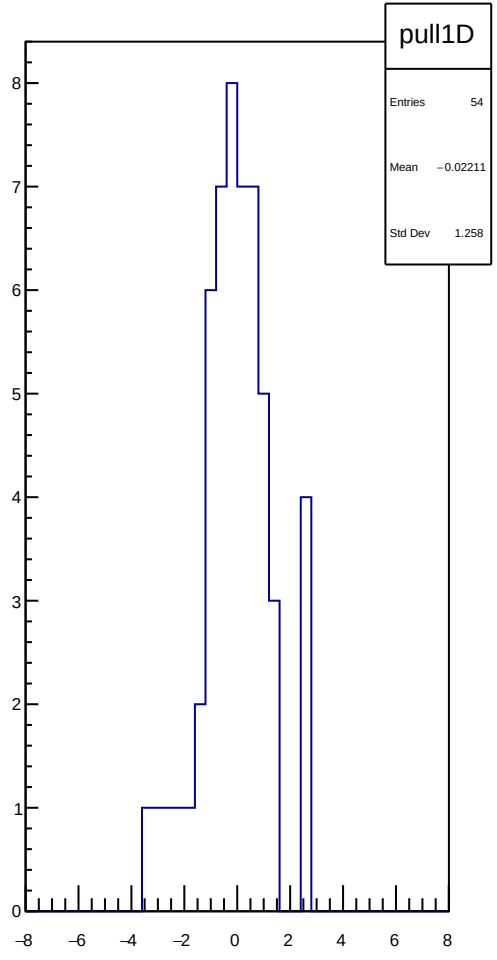
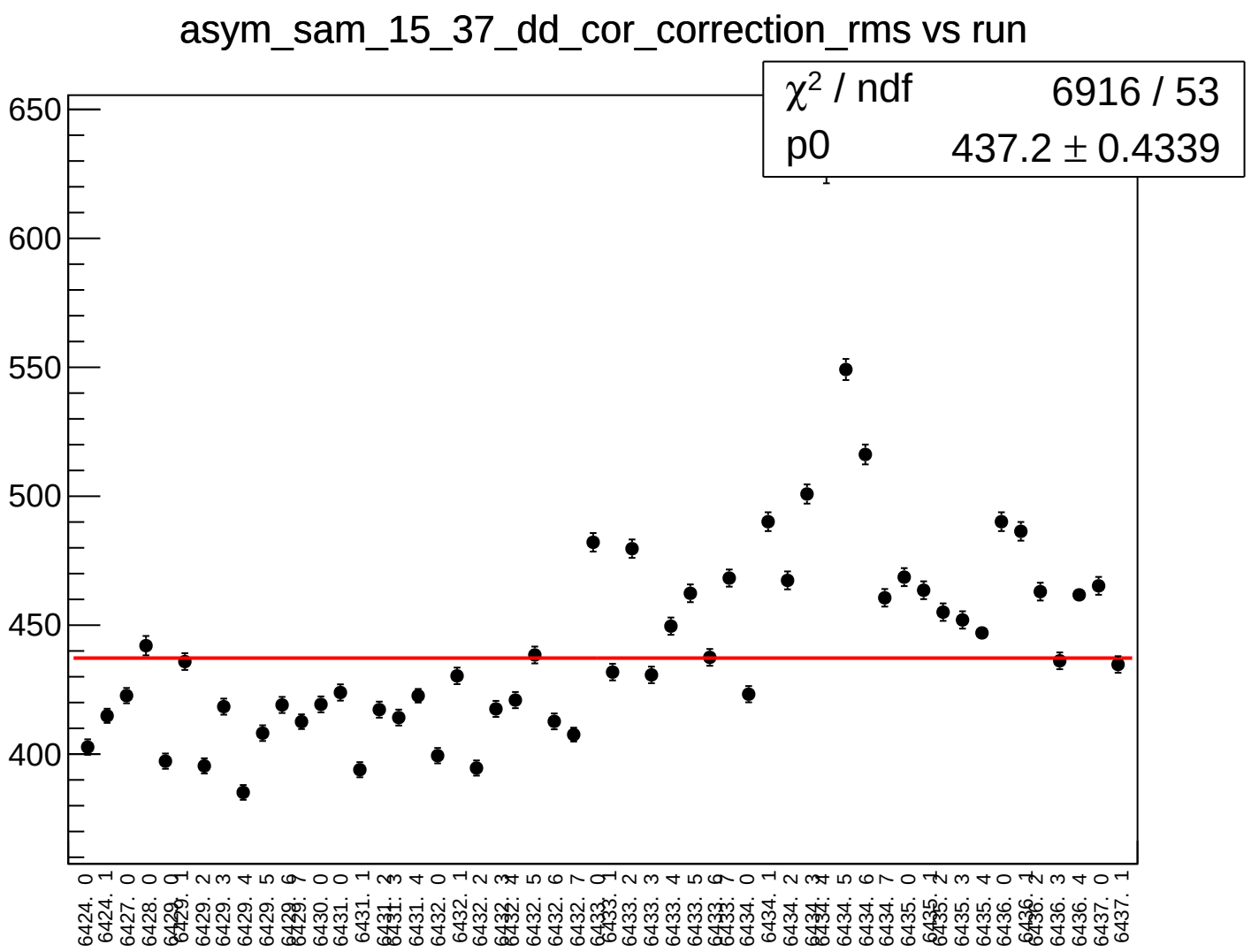
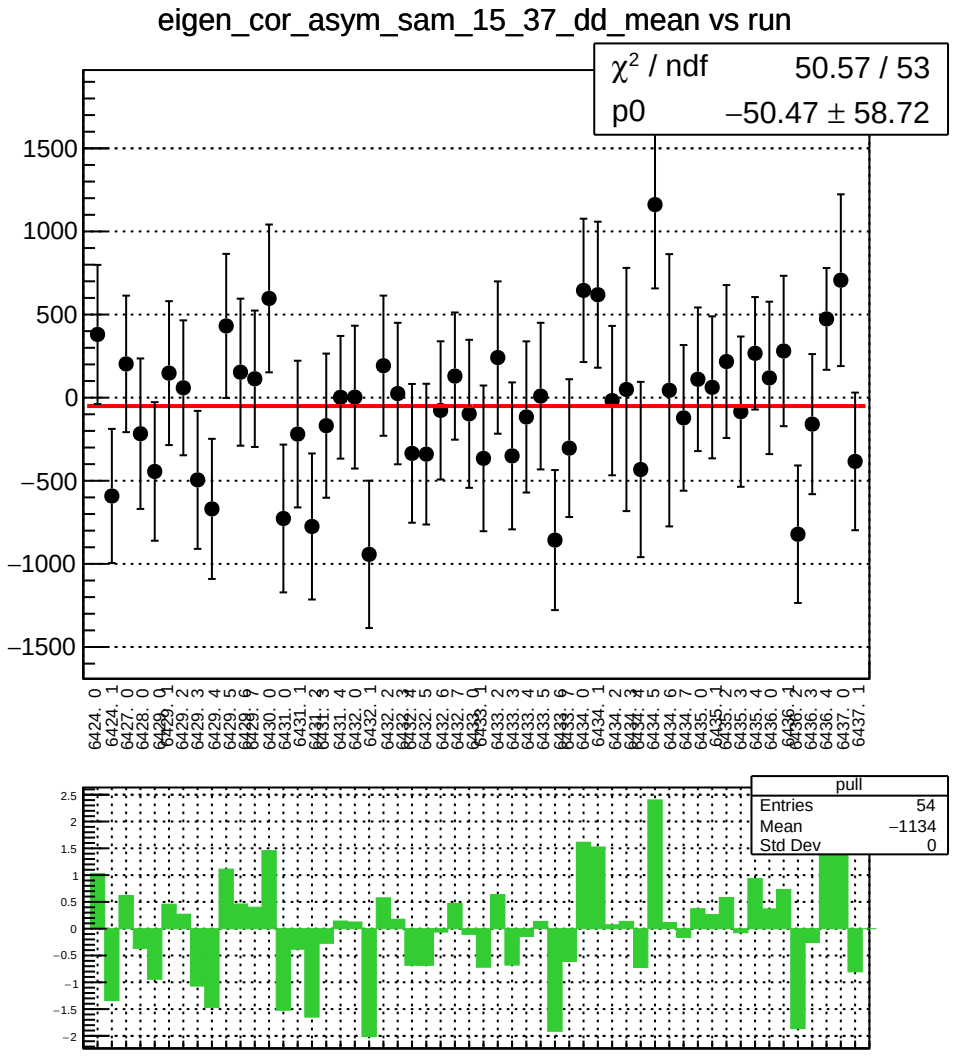
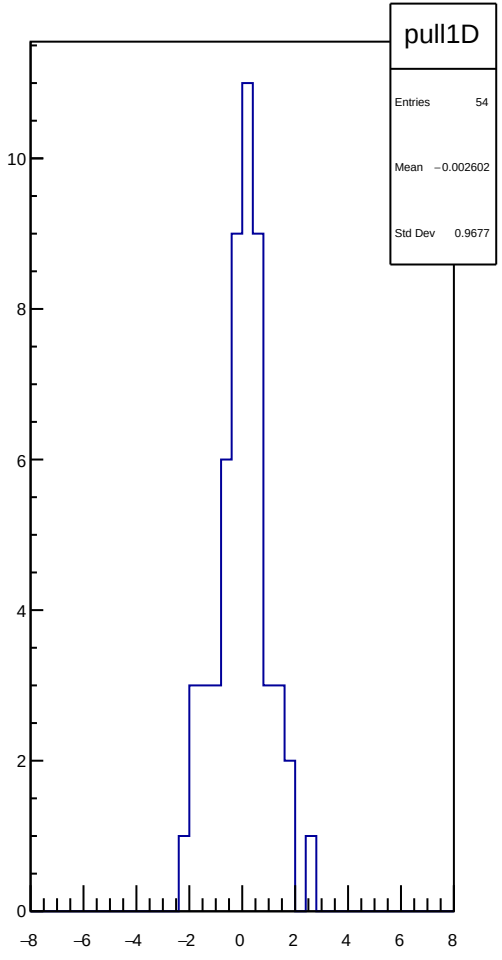
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

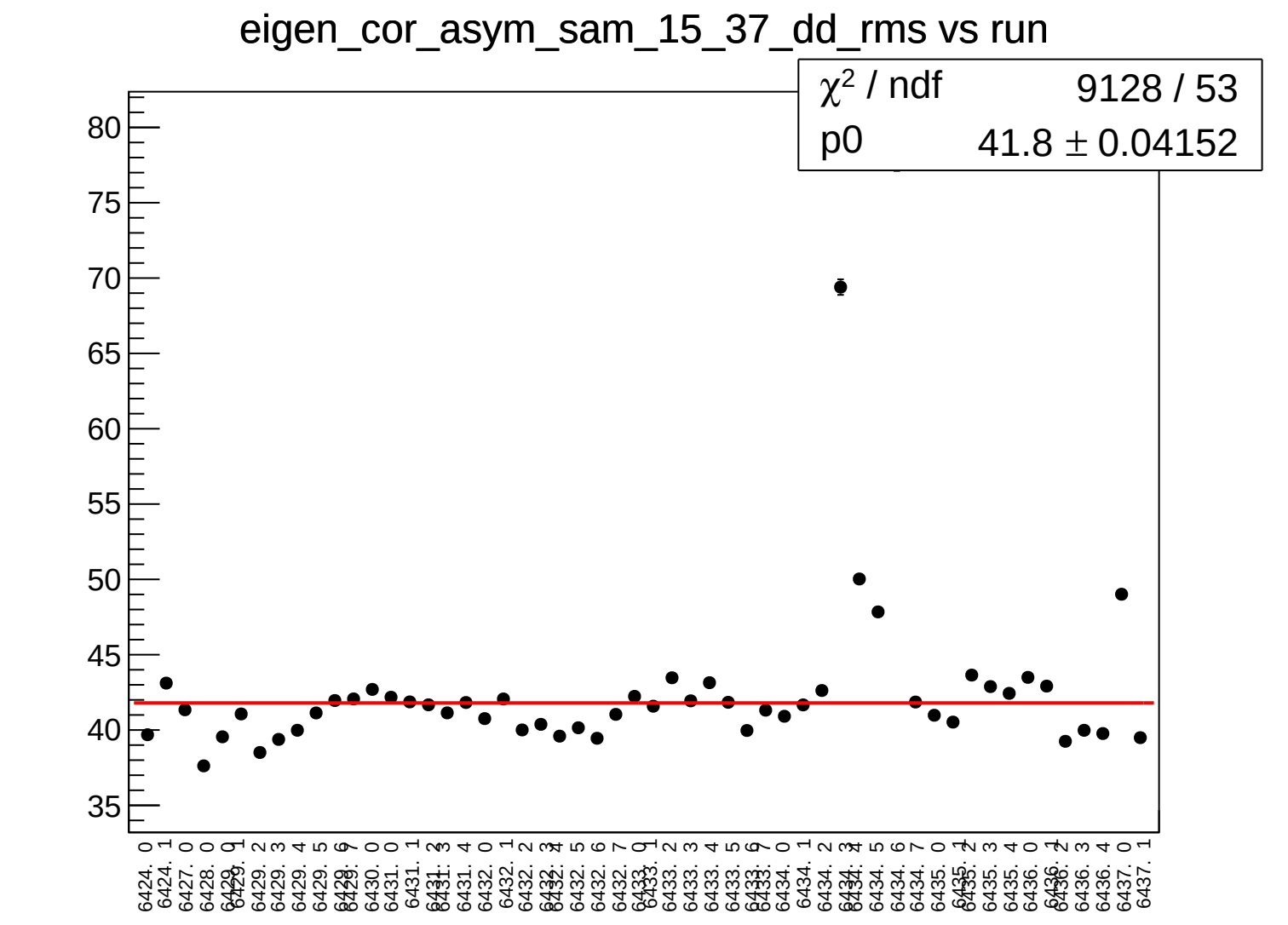

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 85.52 / 53
p0 −675.4 ± 613.6
pull
Entries 54
Mean 25.29
Std Dev 0

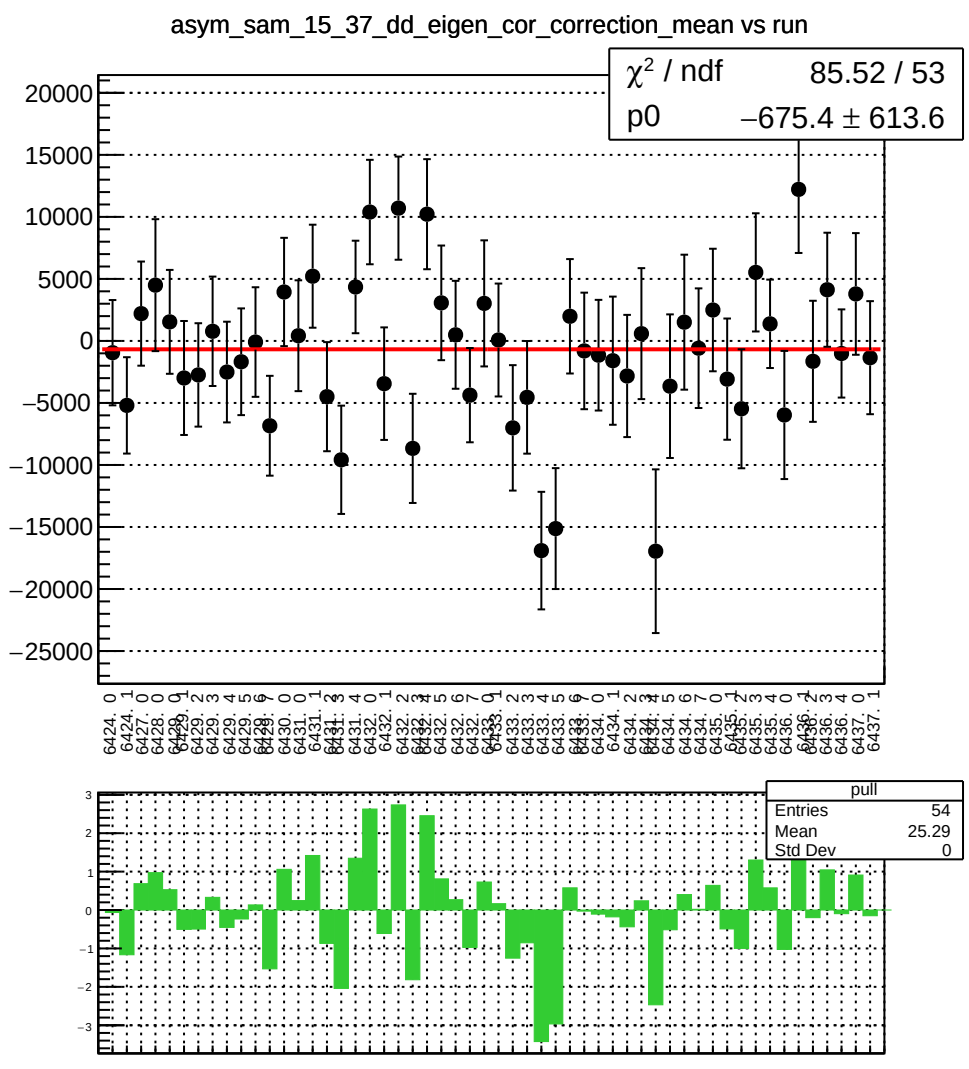

pull1D
Entries 54
Mean −0.02211
Std Dev 1.258

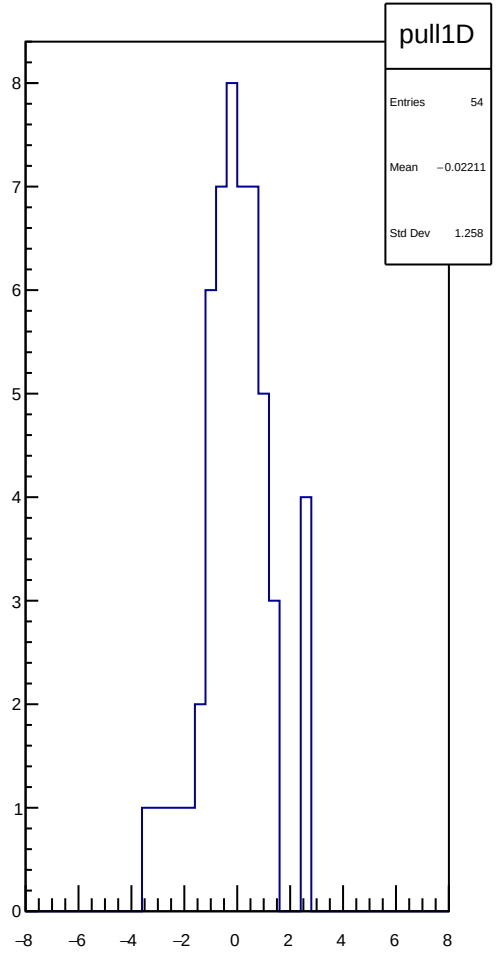

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 6916 / 53
p0 437.2 ± 0.4339
650
600
550
500
450
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

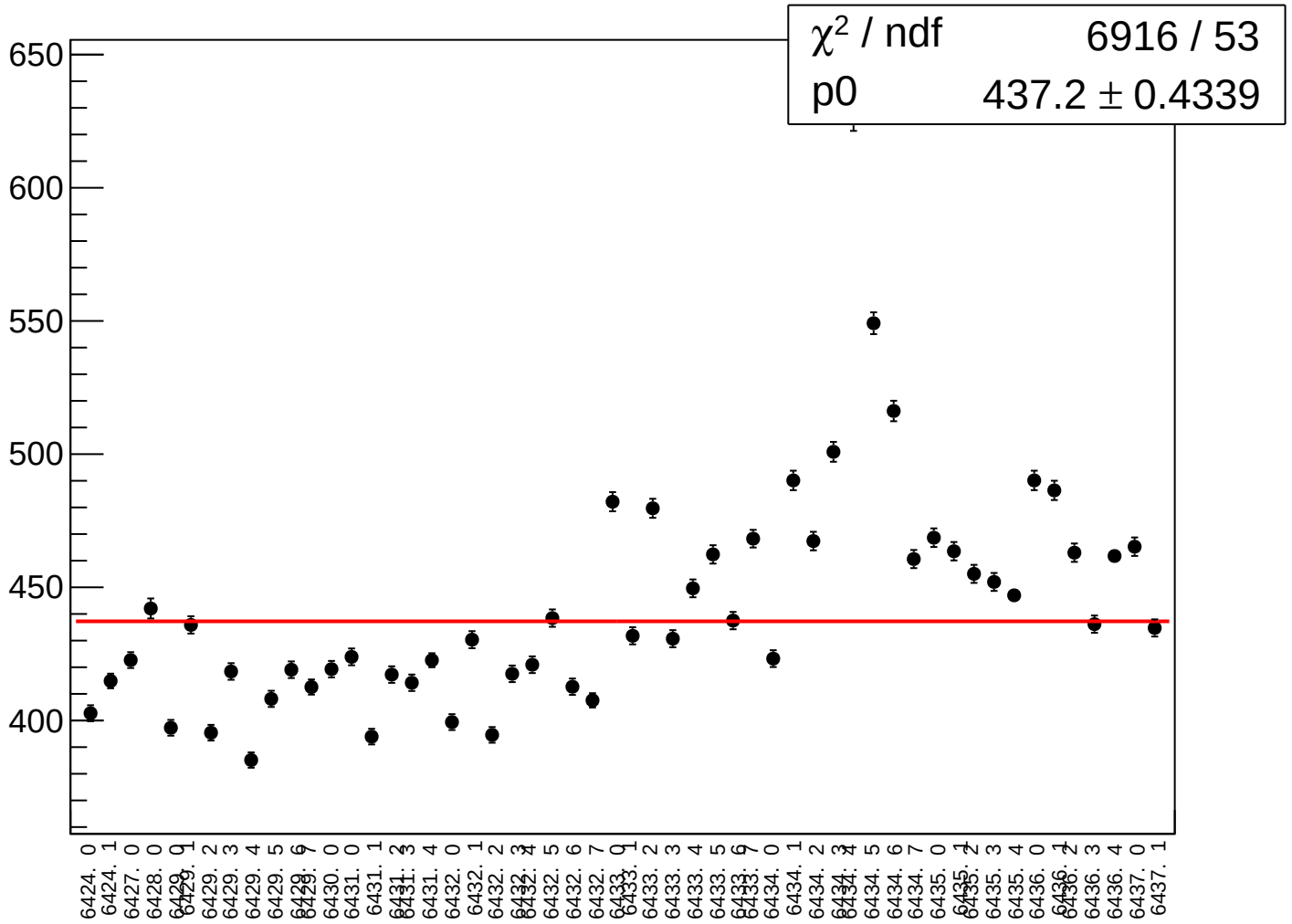

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.57 / 53
p0 −50.47 ± 58.72
pull
Entries 54
Mean −1134
Std Dev 0

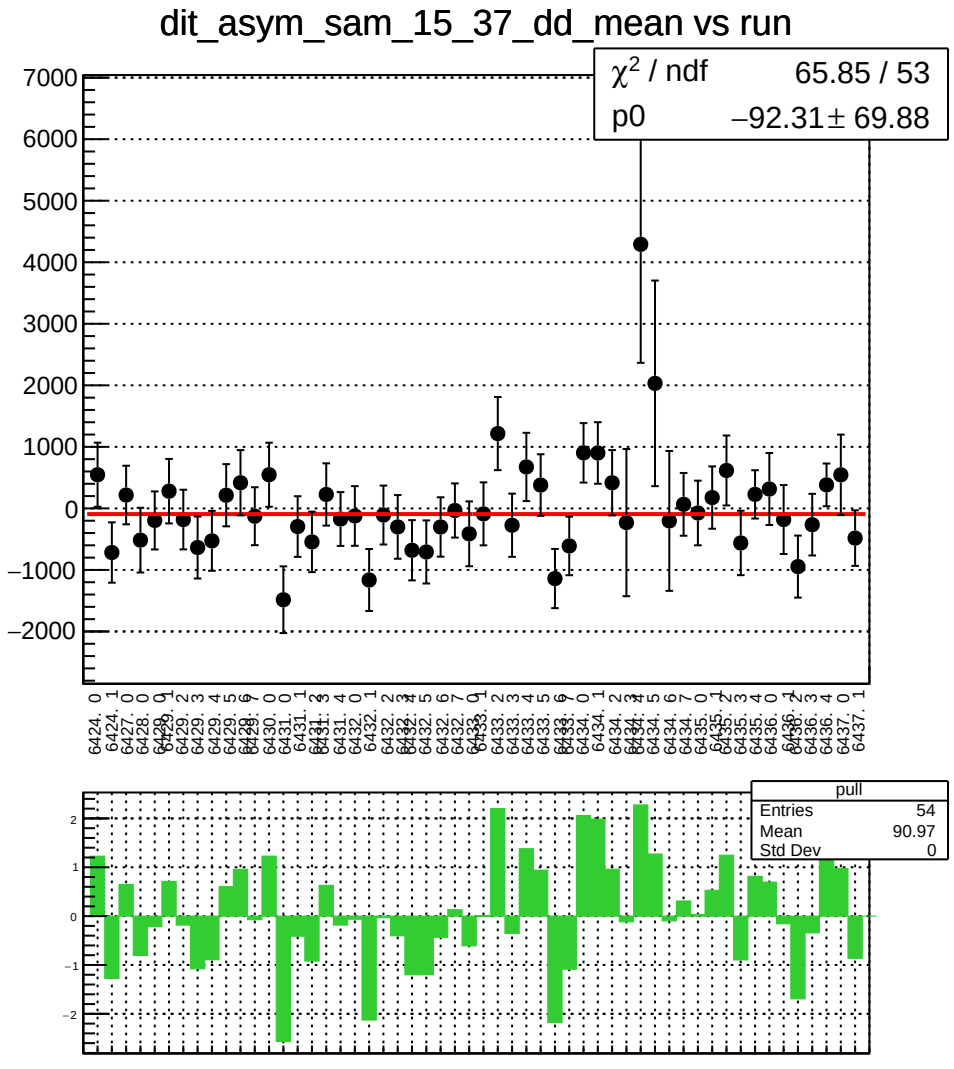

pull1D
Entries 54
Mean −0.002602
Std Dev 0.9677

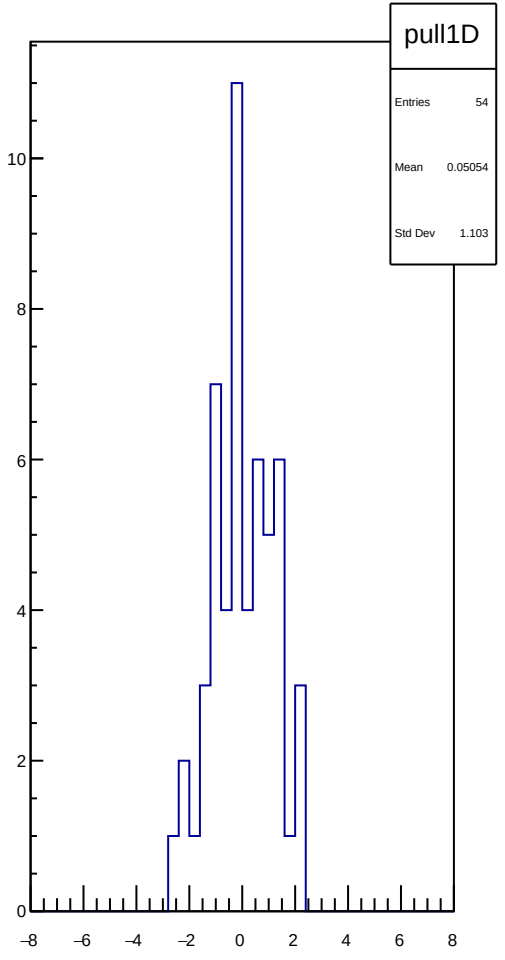

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 9128 / 53
p0 41.8 ± 0.04152
80
75
70
65
60
55
50
45
40
35
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

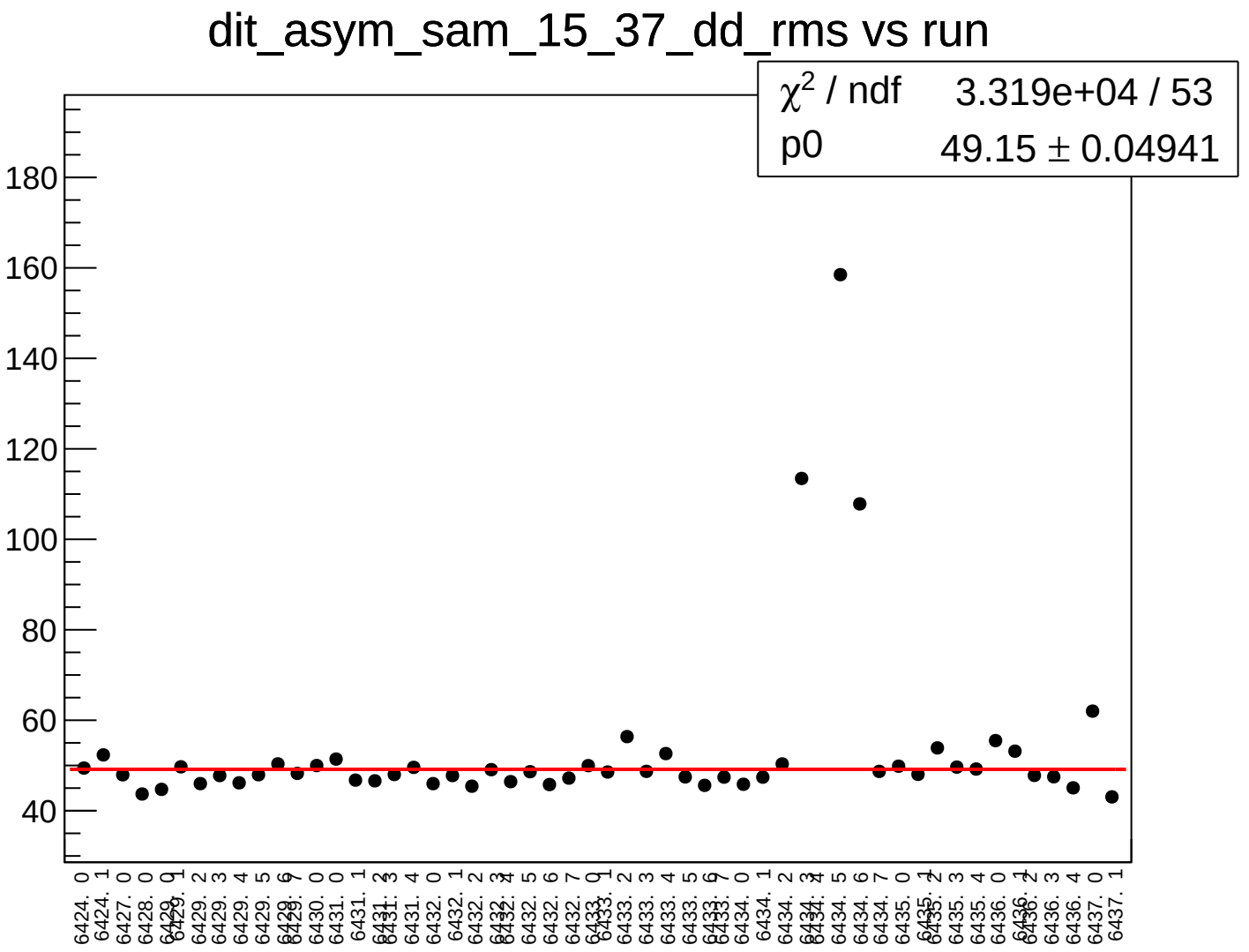

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.52 / 53
p0 −675.4 ± 613.6
pull
Entries 54
Mean 25.29
Std Dev 0

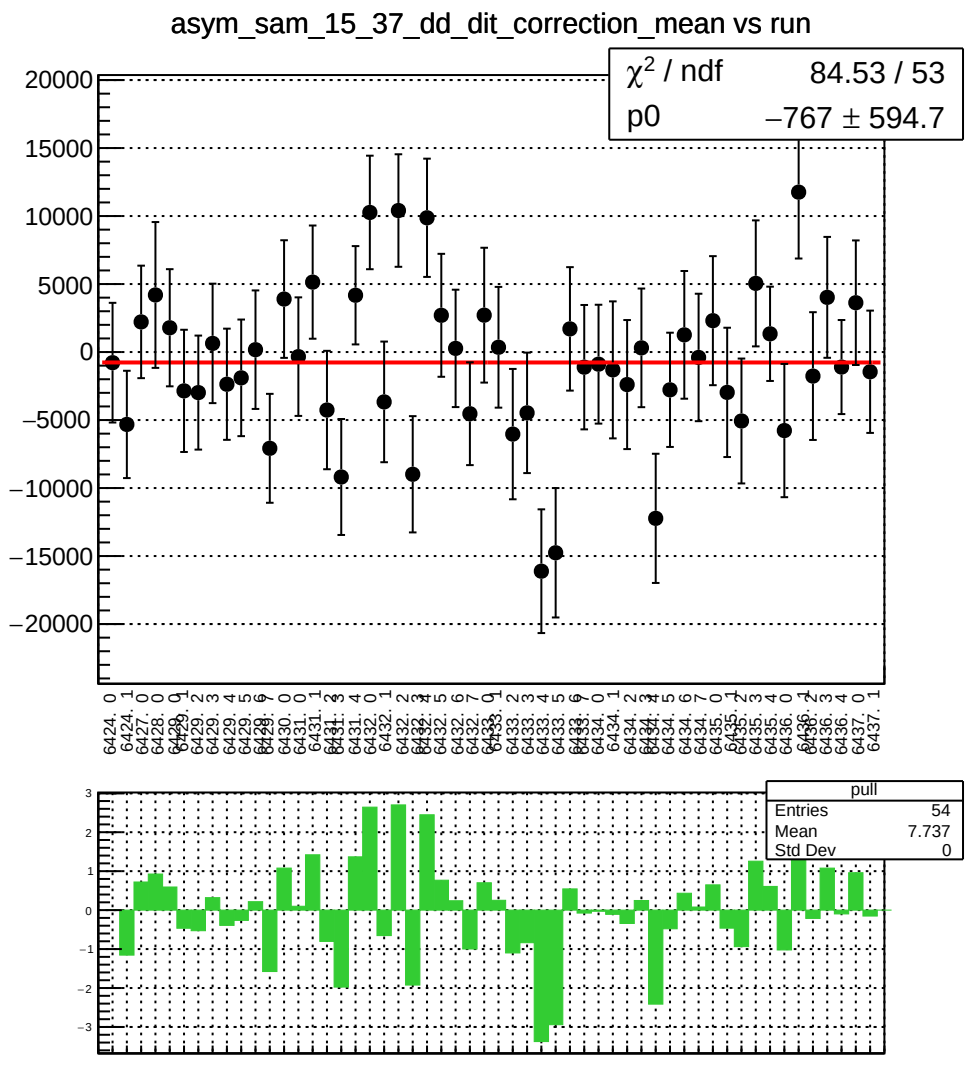

pull1D
Entries 54
Mean −0.02211
Std Dev 1.258

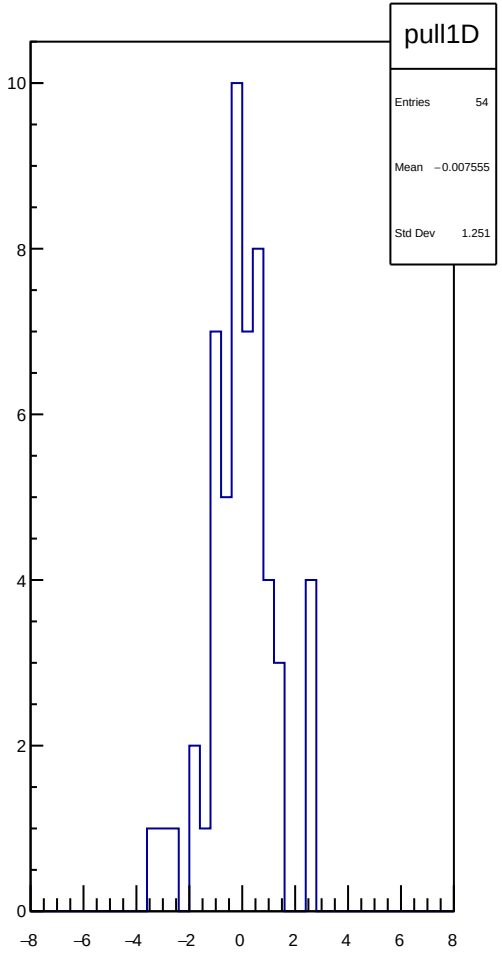

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 6916 / 53
p0 437.2 ± 0.4339
650
600
550
500
450
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

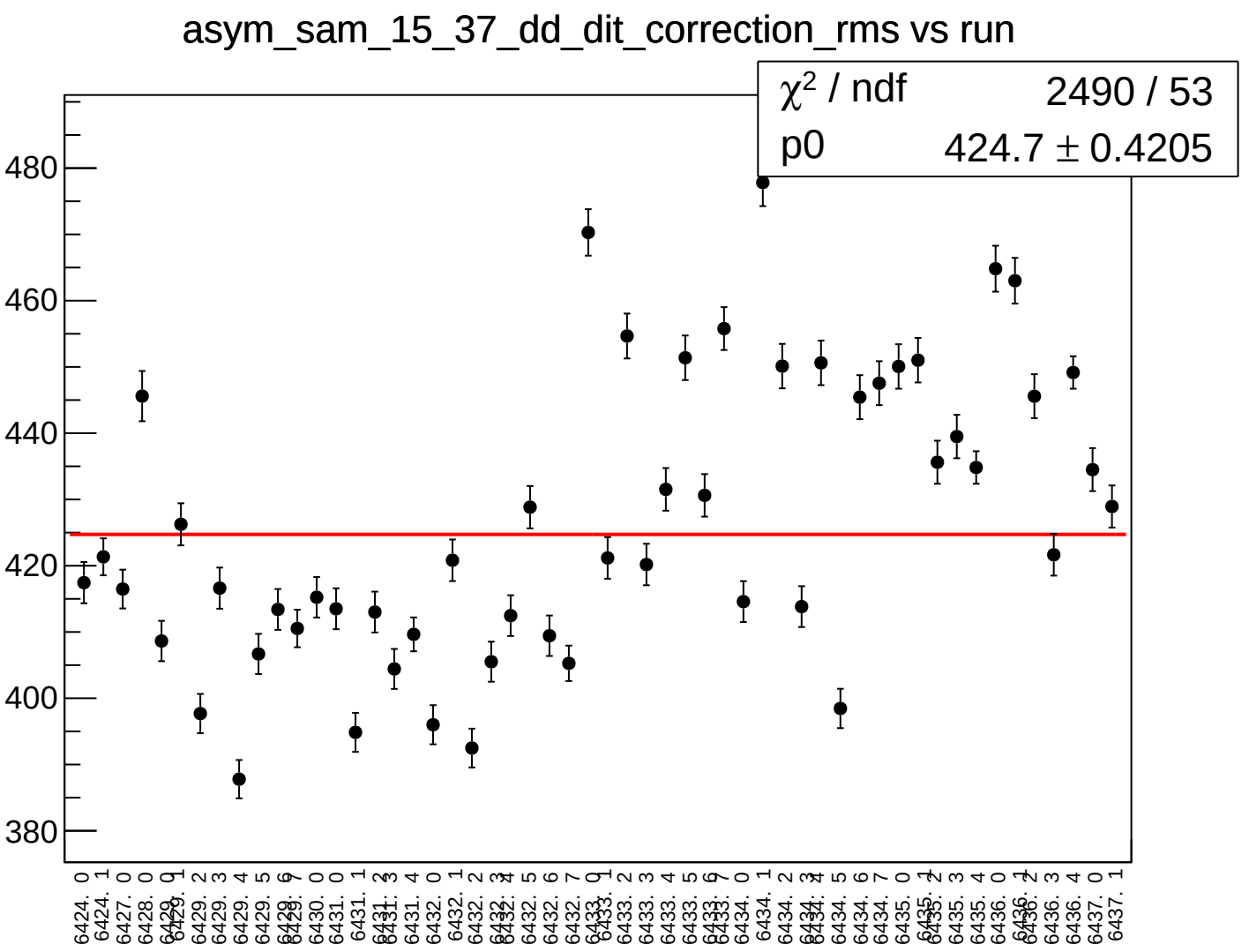

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 65.85 / 53
p0 −92.31 ± 69.88
pull
Entries 54
Mean 90.97
Std Dev 0

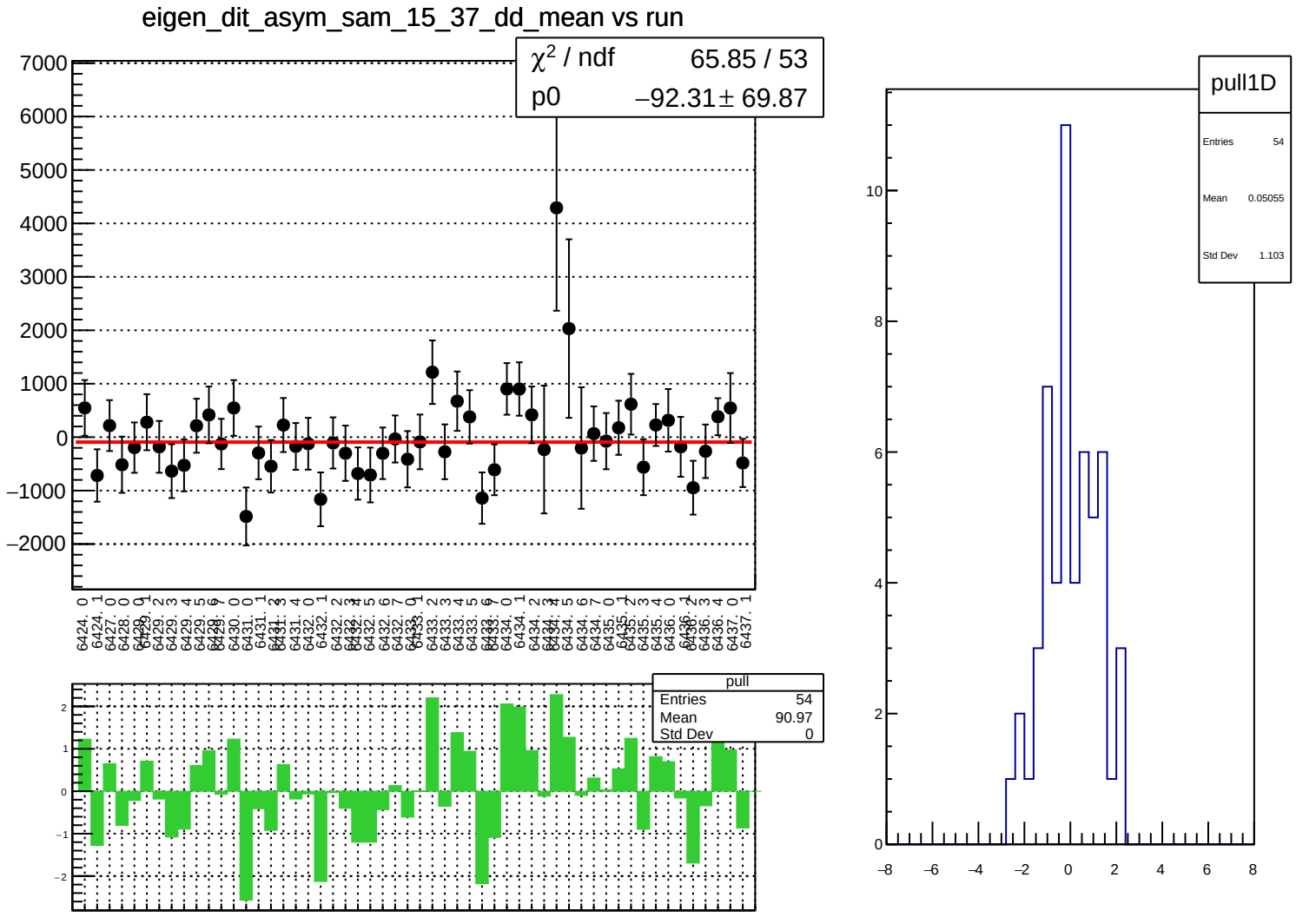

pull1D
Entries 54
Mean 0.05054
Std Dev 1.103

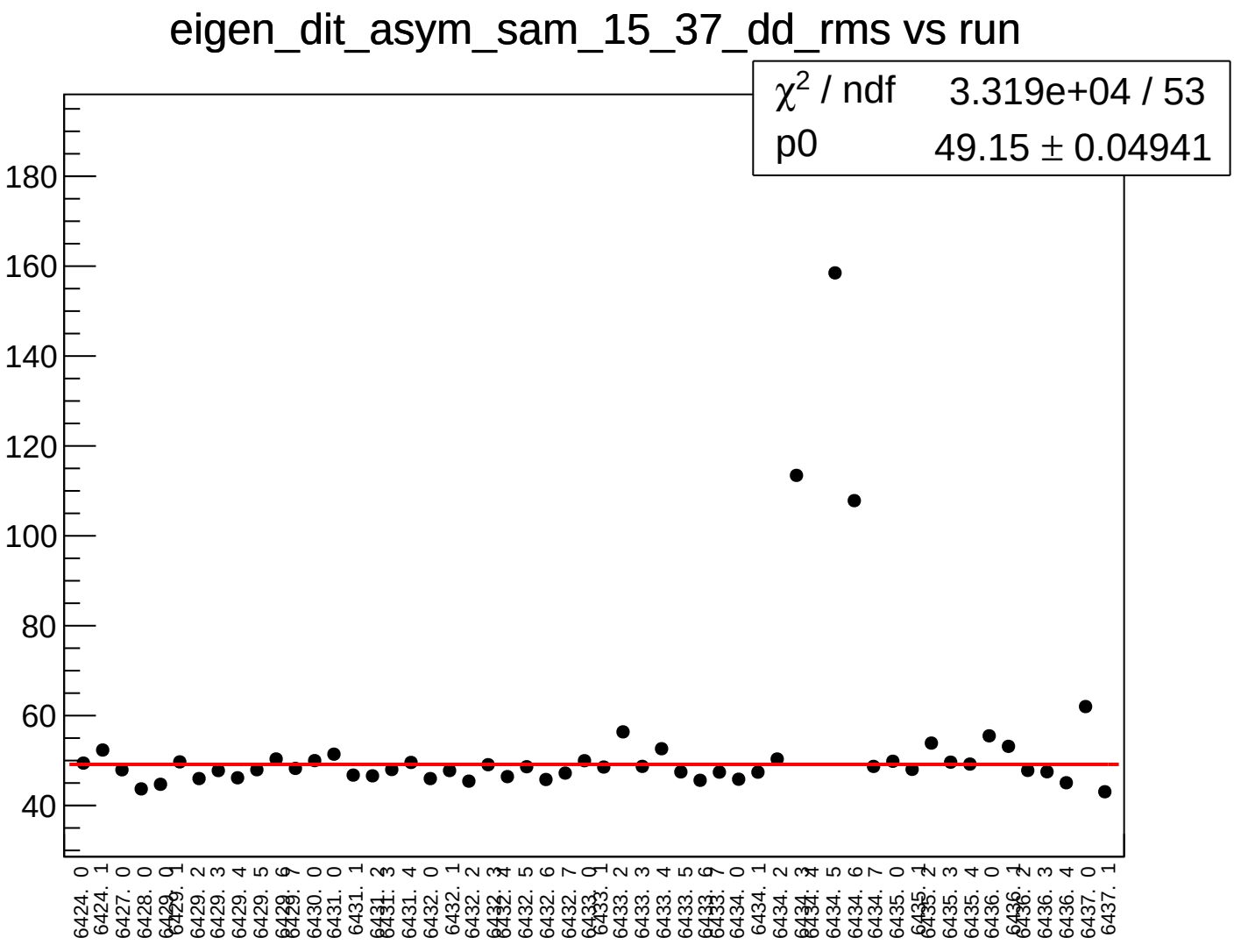

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3.319e+04 / 53
p0 49.15 ± 0.04941
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

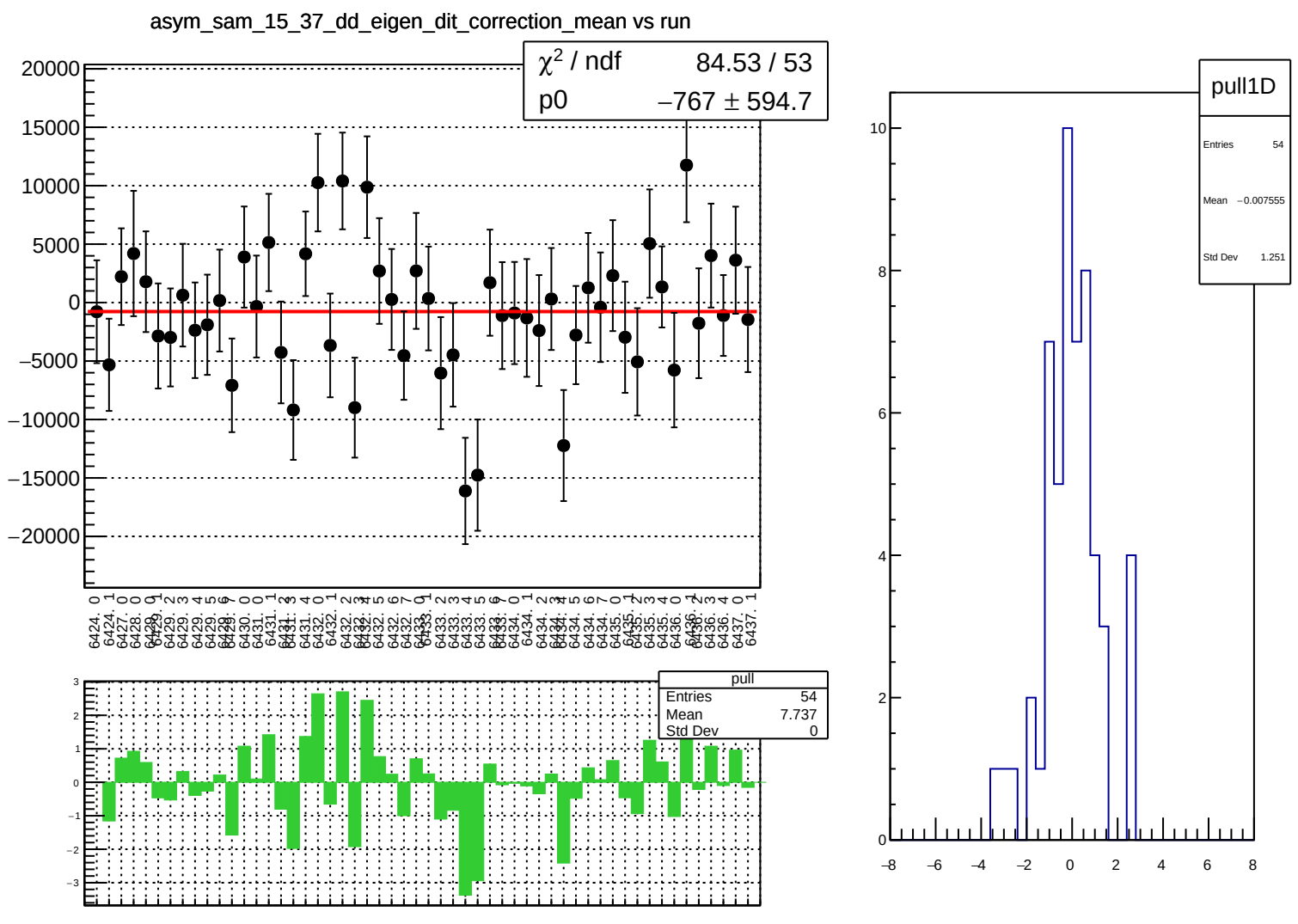

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 84.53 / 53
p0 −767 ± 594.7
pull
Entries 54
Mean 7.737
Std Dev 0

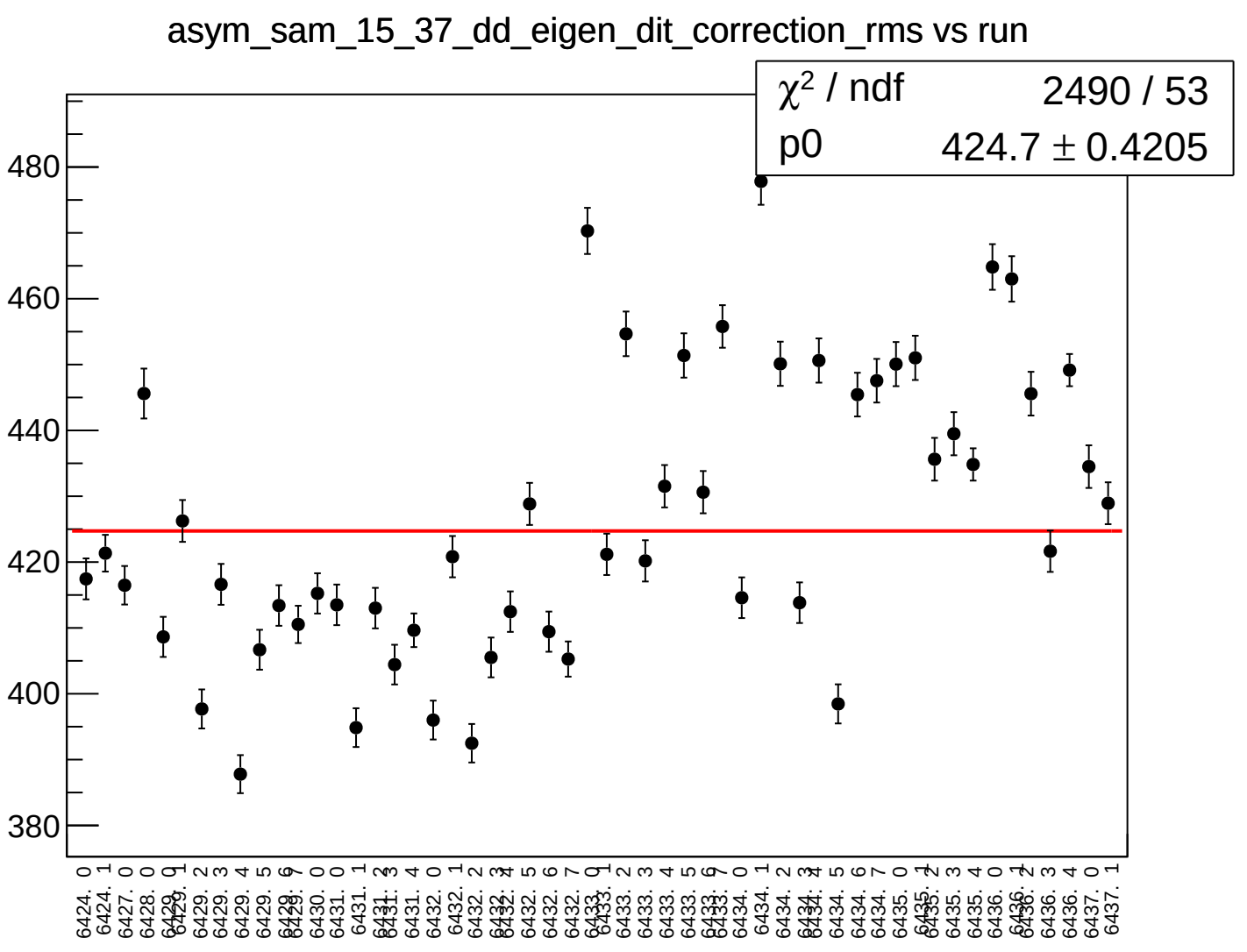

pull1D
Entries 54
Mean −0.007555
Std Dev 1.251

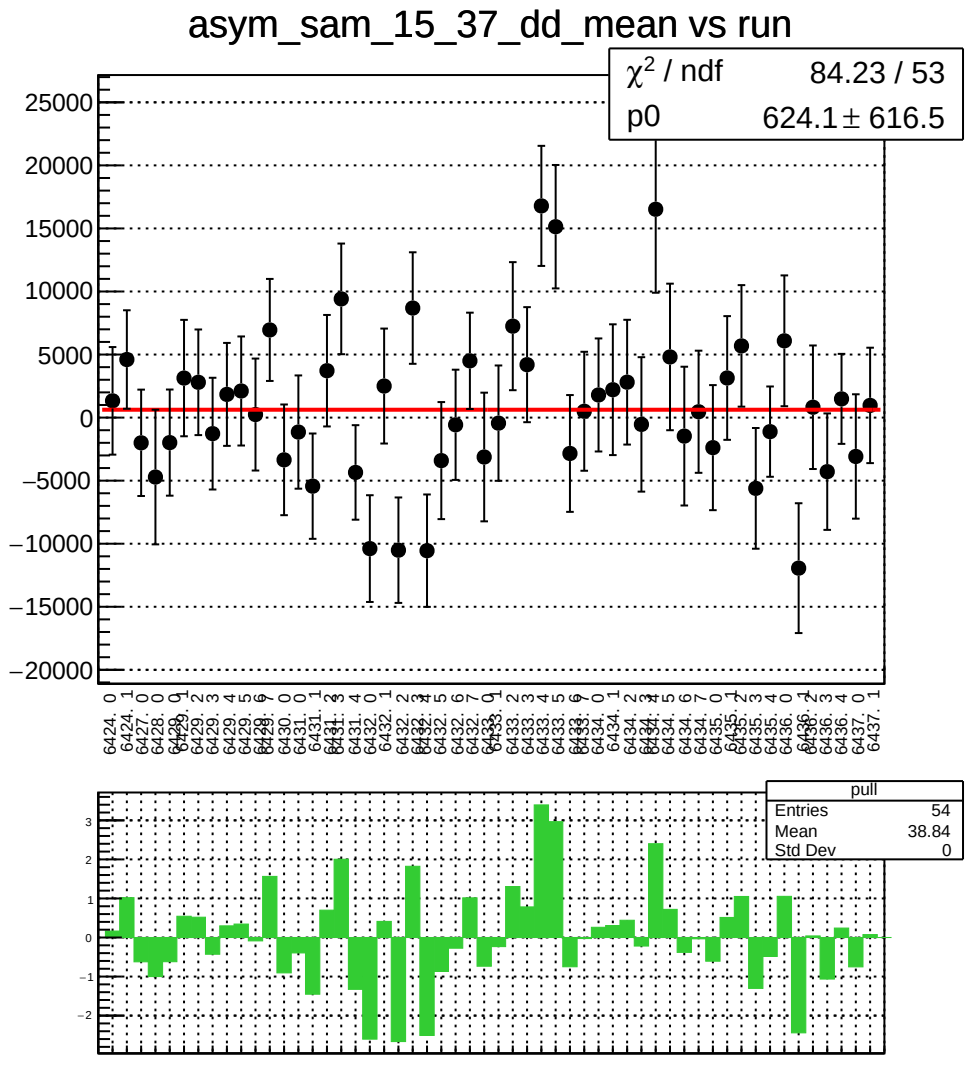

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 2490 / 53
p0 424.7 ± 0.4205
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

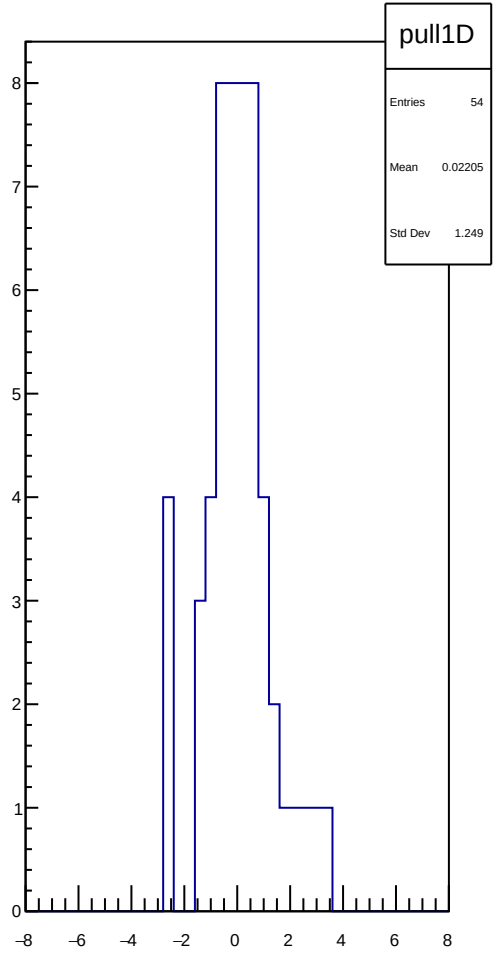

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 65.85 / 53
p0 −92.31 ± 69.87
pull
Entries 54
Mean 90.97
Std Dev 0
pull1D
Entries 54
Mean 0.05055
Std Dev 1.103

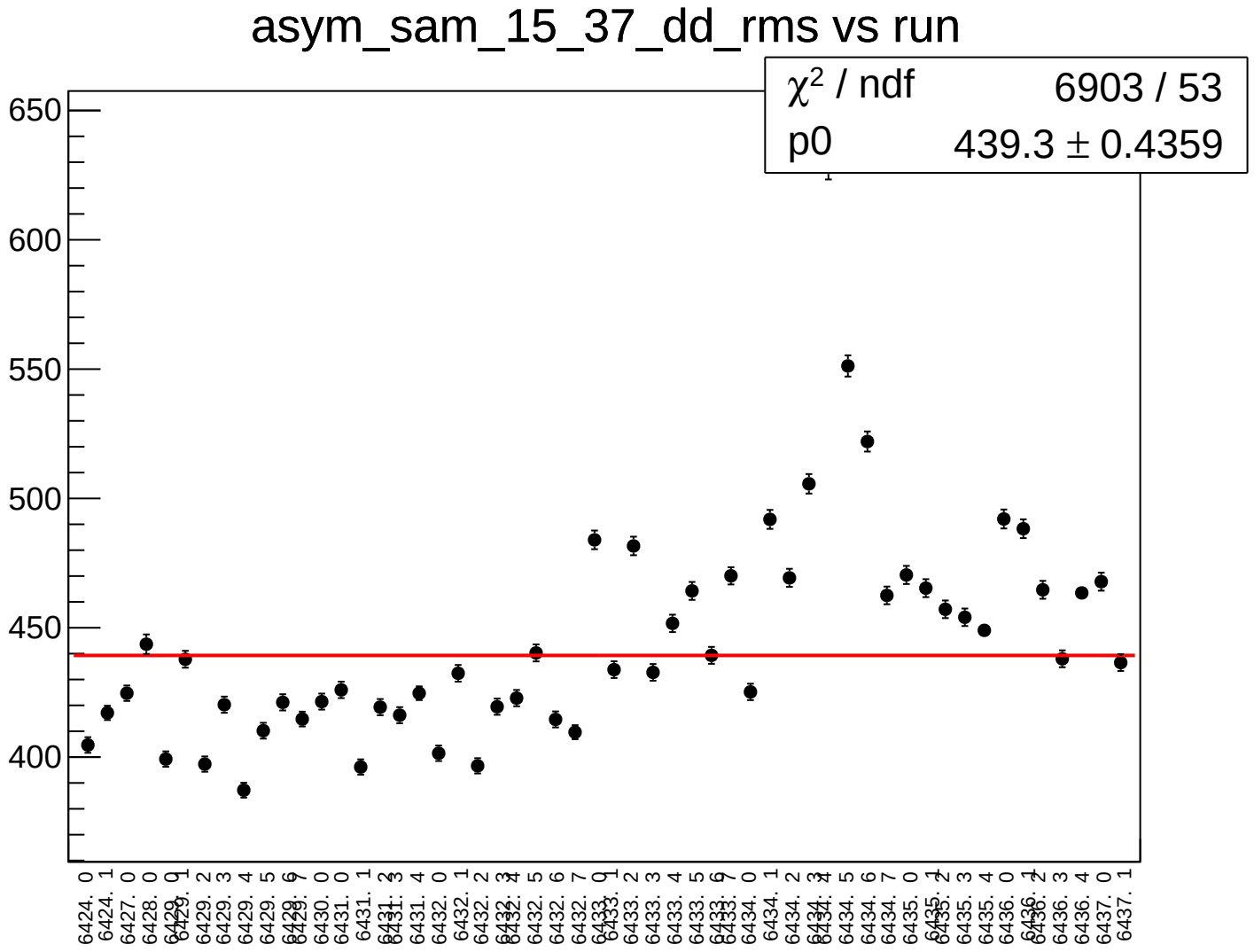

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.319e+04 / 53
p0 49.15 ± 0.04941
180
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

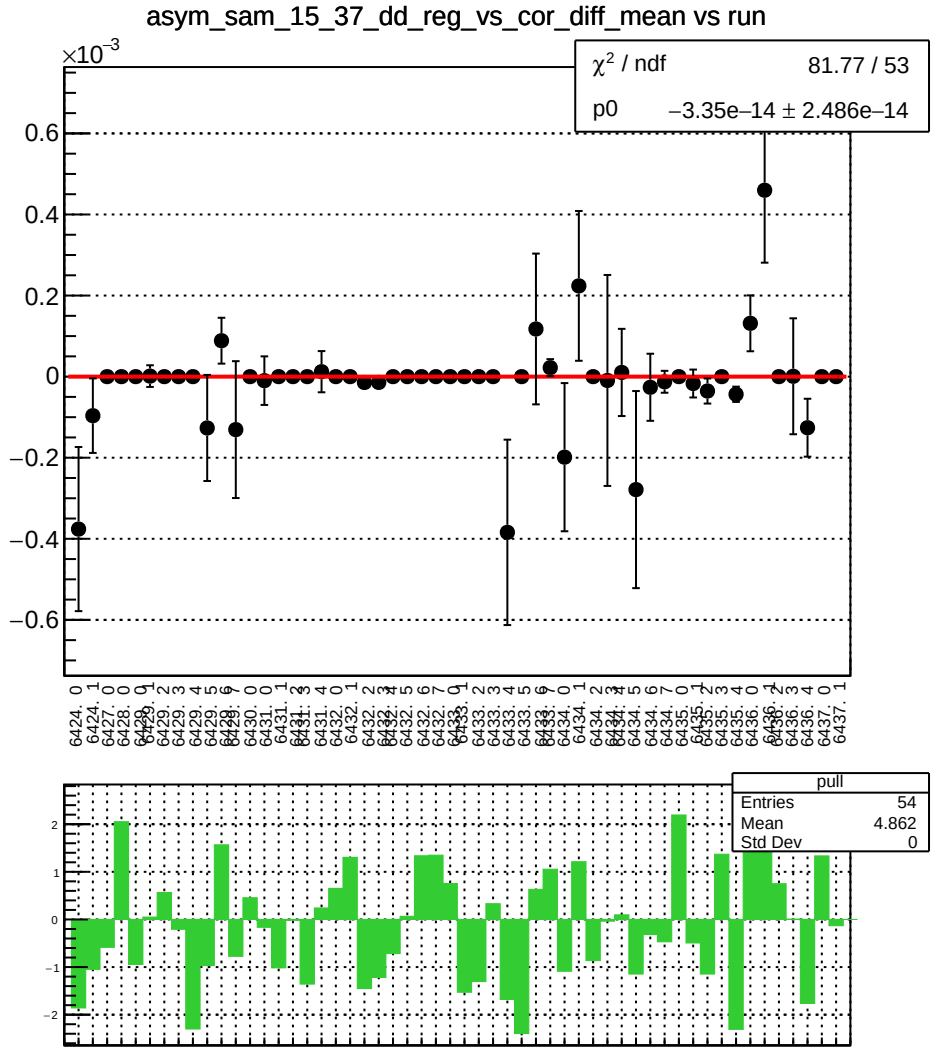

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.53 / 53
p0 −767 ± 594.7
pull
Entries 54
Mean 7.737
Std Dev 0
pull1D
Entries 54
Mean −0.007555
Std Dev 1.251

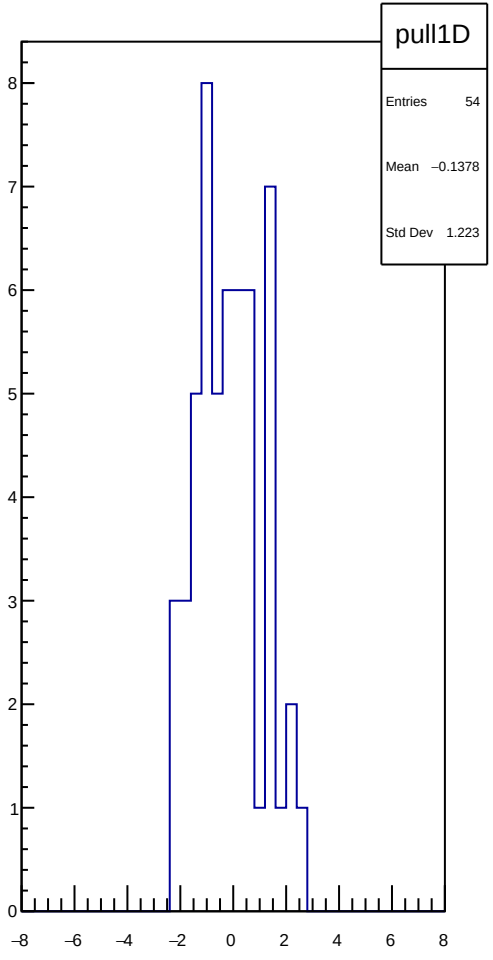

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2490 / 53
p0 424.7 ± 0.4205
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

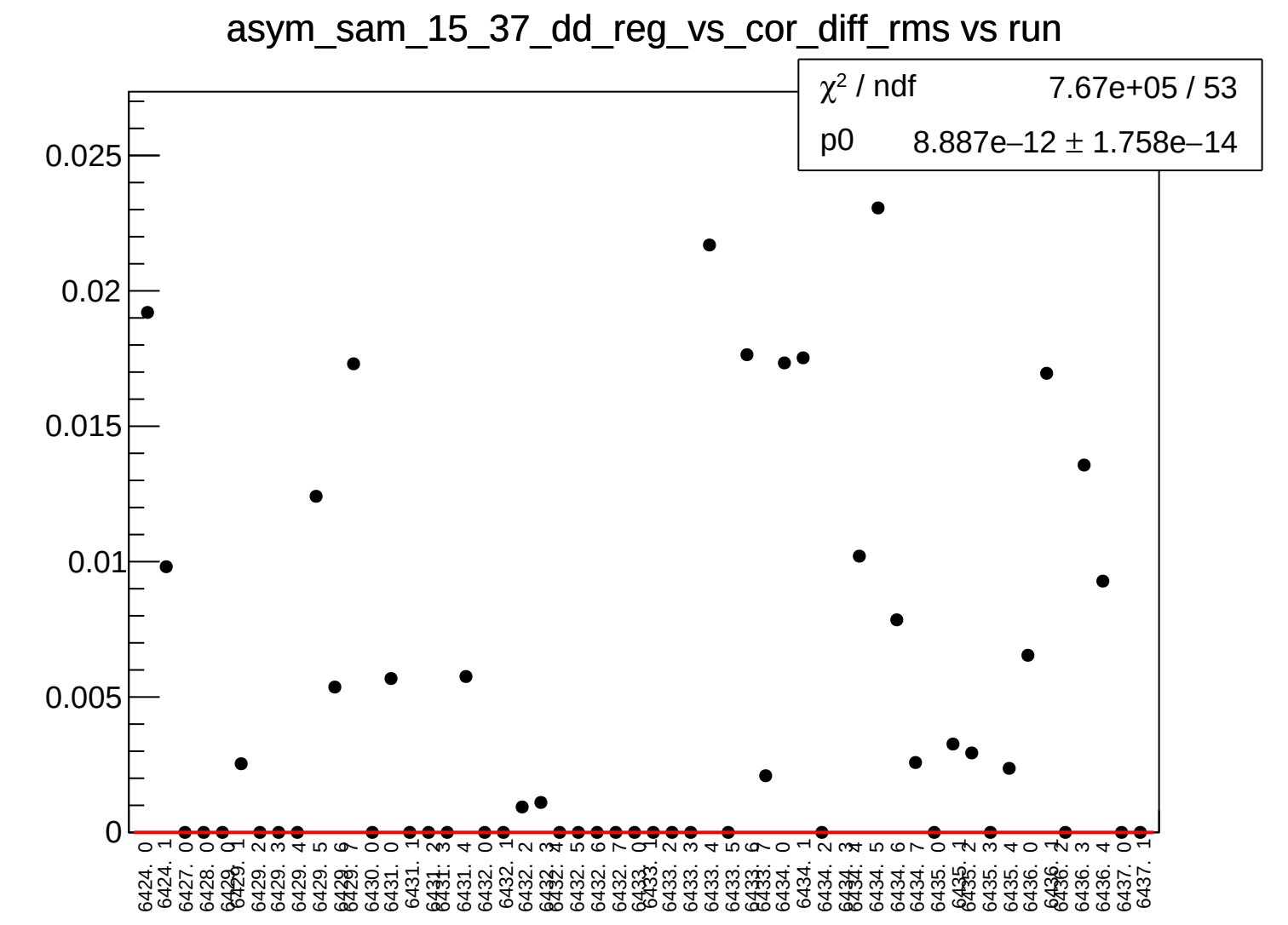

asym_sam_15_37_dd_mean vs run
χ² / ndf 84.23 / 53
p0 624.1 ± 616.5
pull
Entries 54
Mean 38.84
Std Dev 0

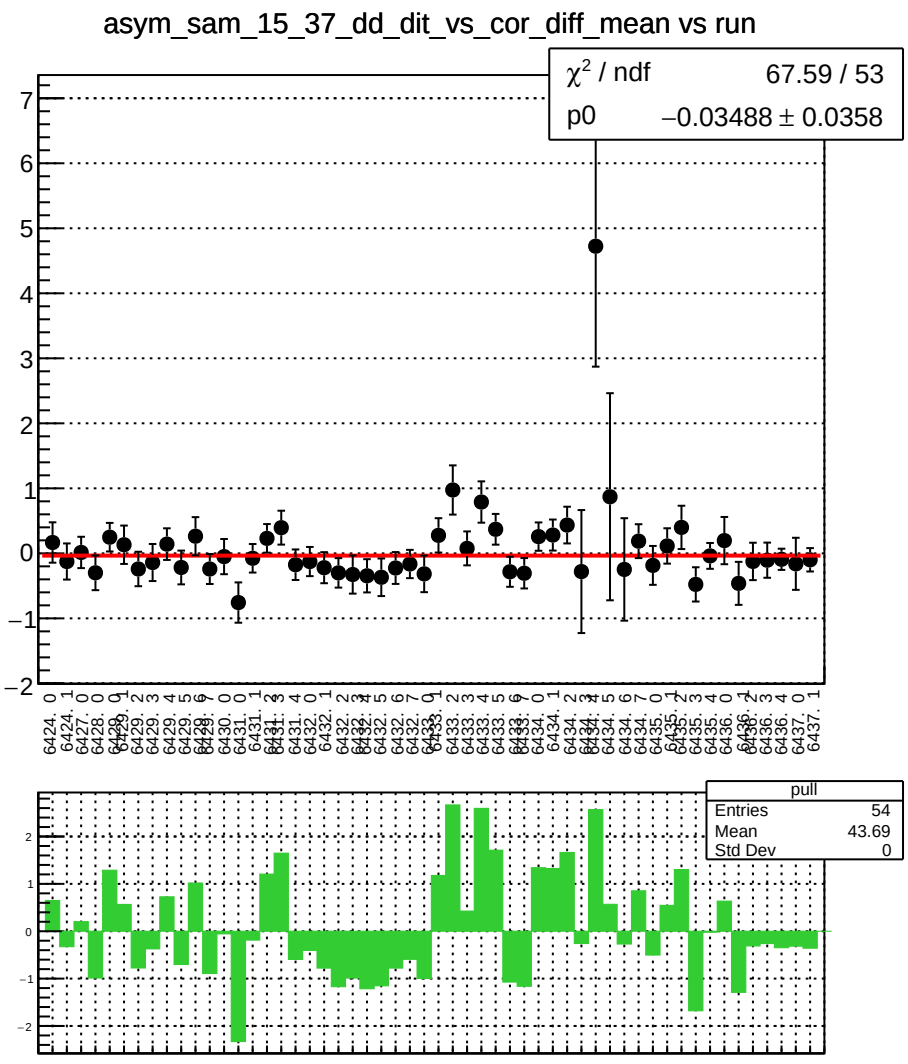

pull1D
Entries 54
Mean 0.02205
Std Dev 1.249

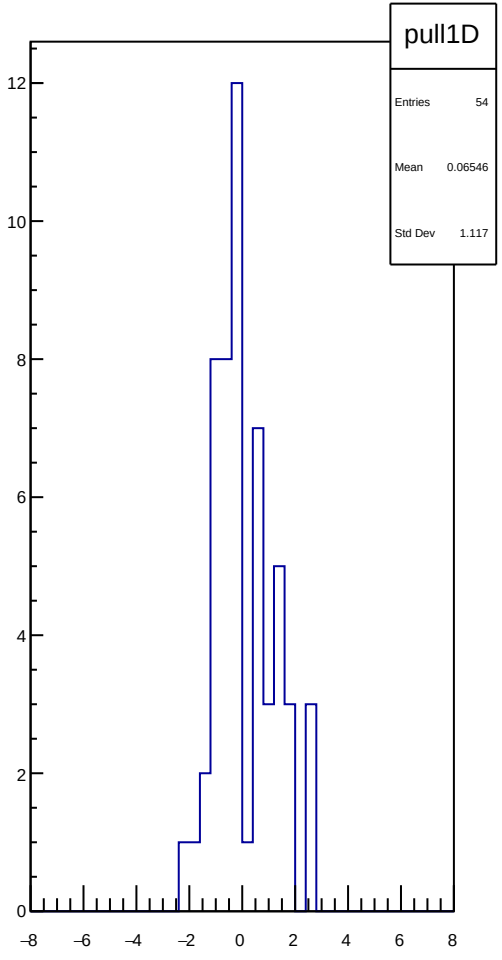

asym_sam_15_37_dd_rms vs run
χ² / ndf 6903 / 53
p0 439.3 ± 0.4359
650
600
550
500
450
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

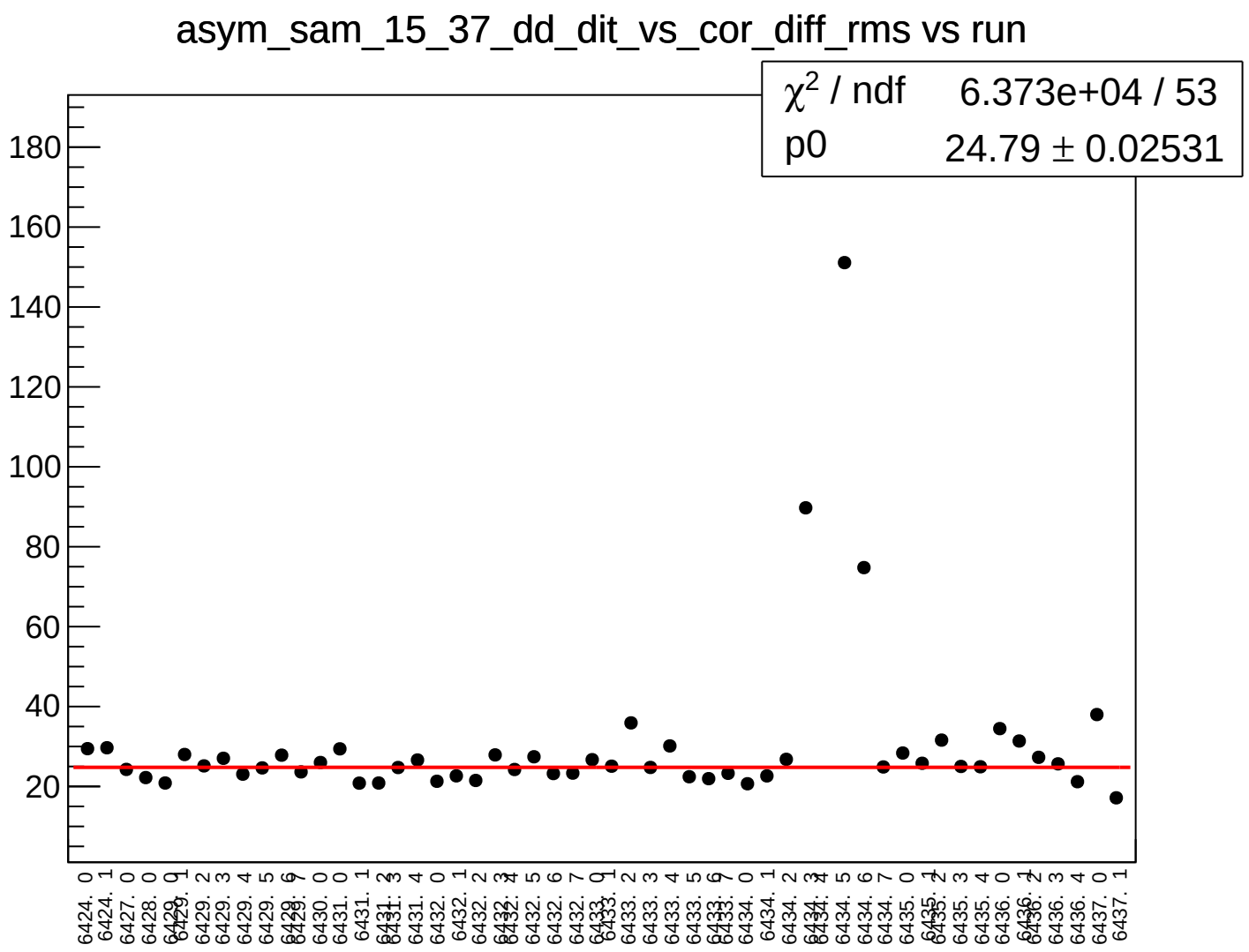

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 81.77 / 53
p0 −3.35e−14 ± 2.486e−14
pull
Entries 54
Mean 4.862
Std Dev 0

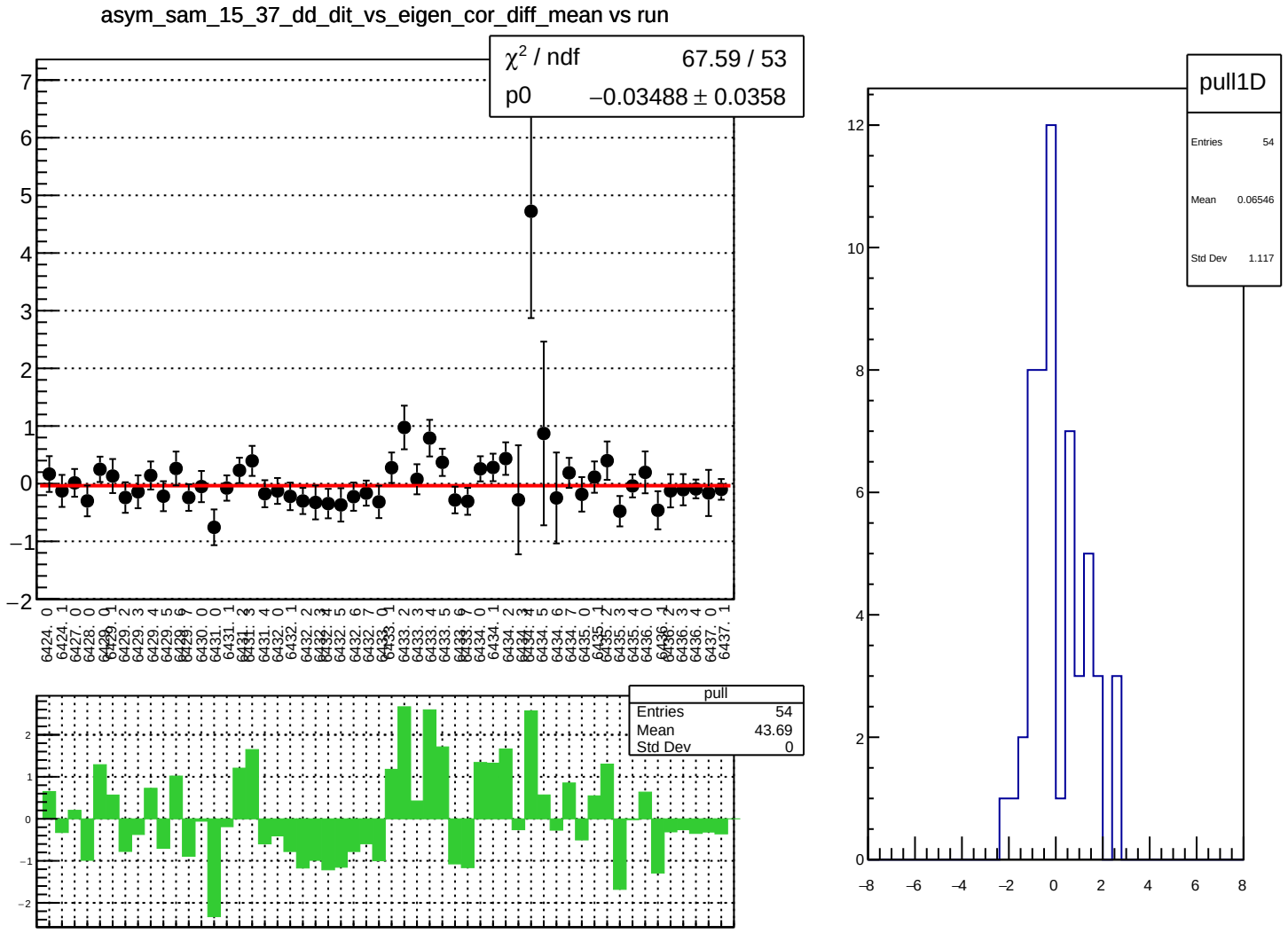

pull1D
Entries 54
Mean −0.1378
Std Dev 1.223

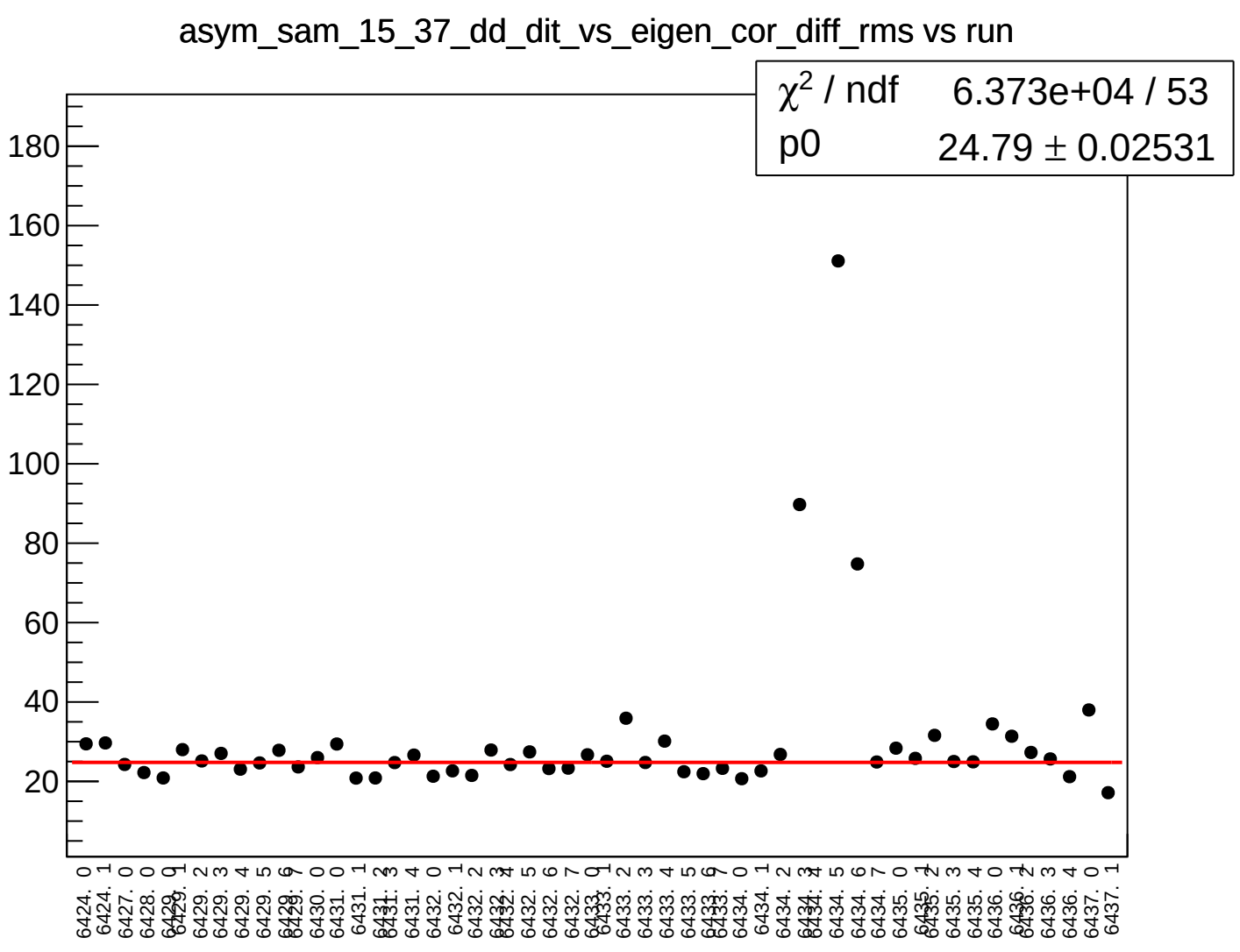

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.67e+05 / 53
p0 8.887e−12 ± 1.758e−14
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

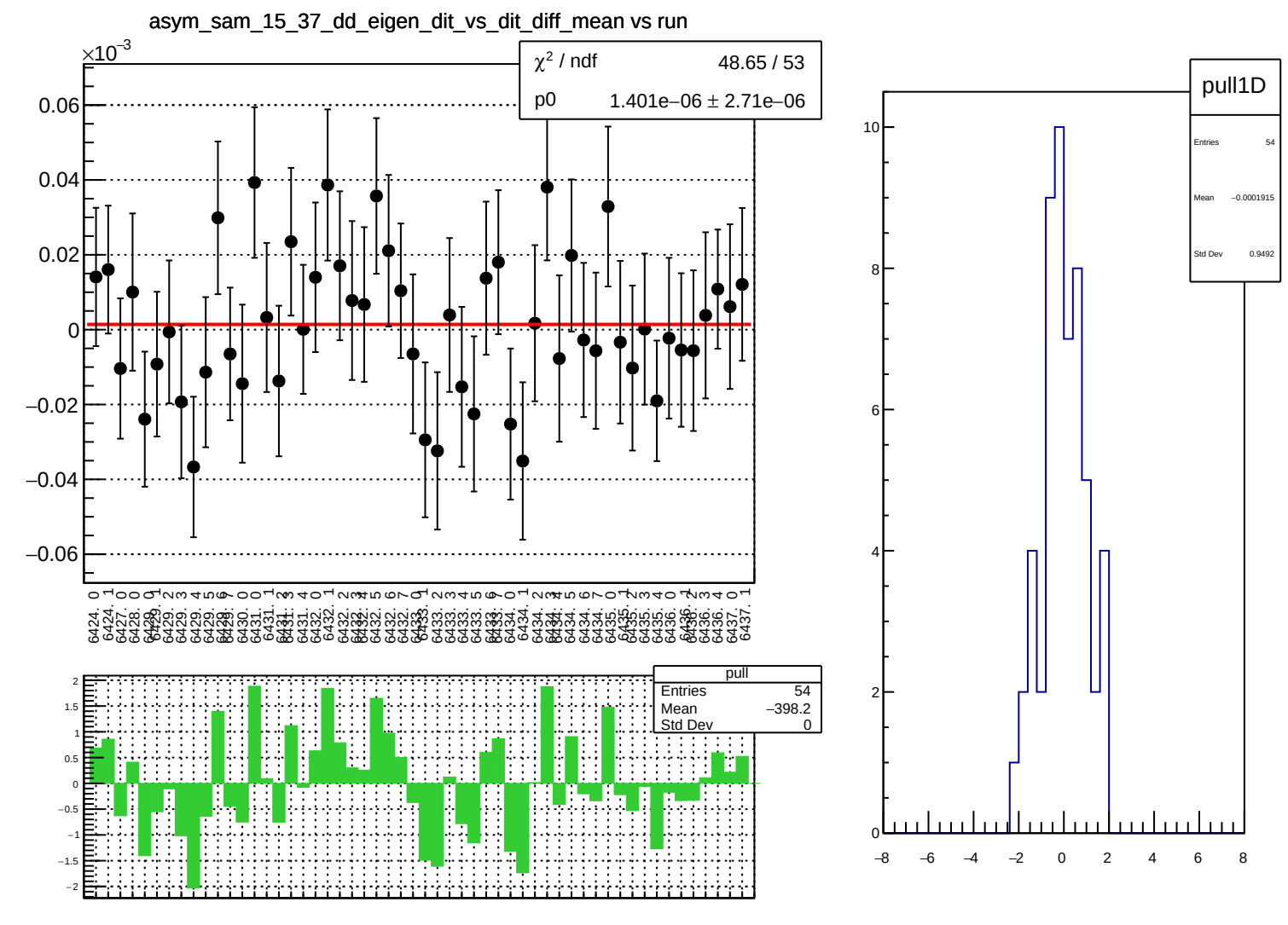

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.59 / 53
p0 −0.03488 ± 0.0358
pull
Entries 54
Mean 43.69
Std Dev 0

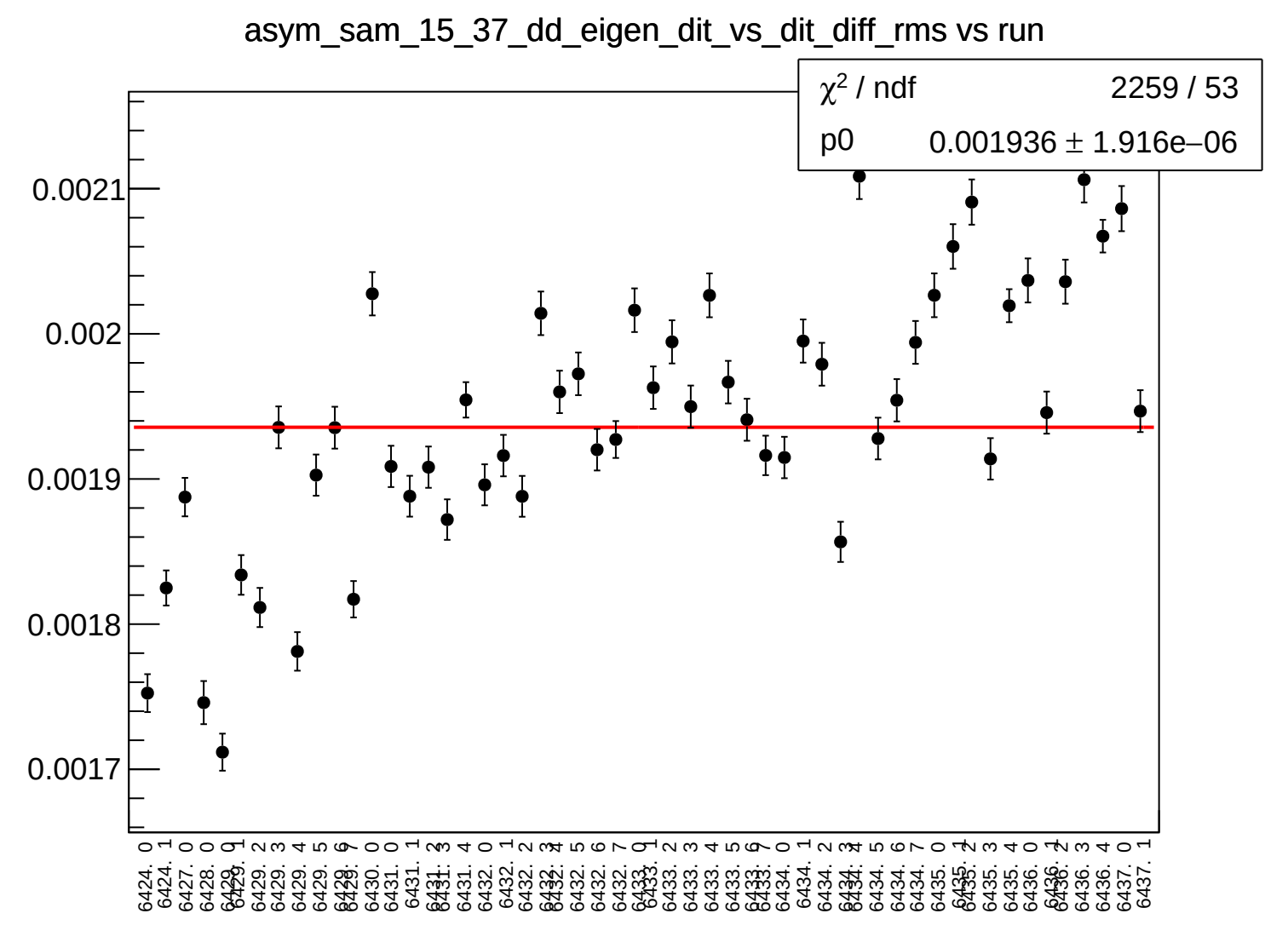

pull1D
Entries 54
Mean 0.06546
Std Dev 1.117

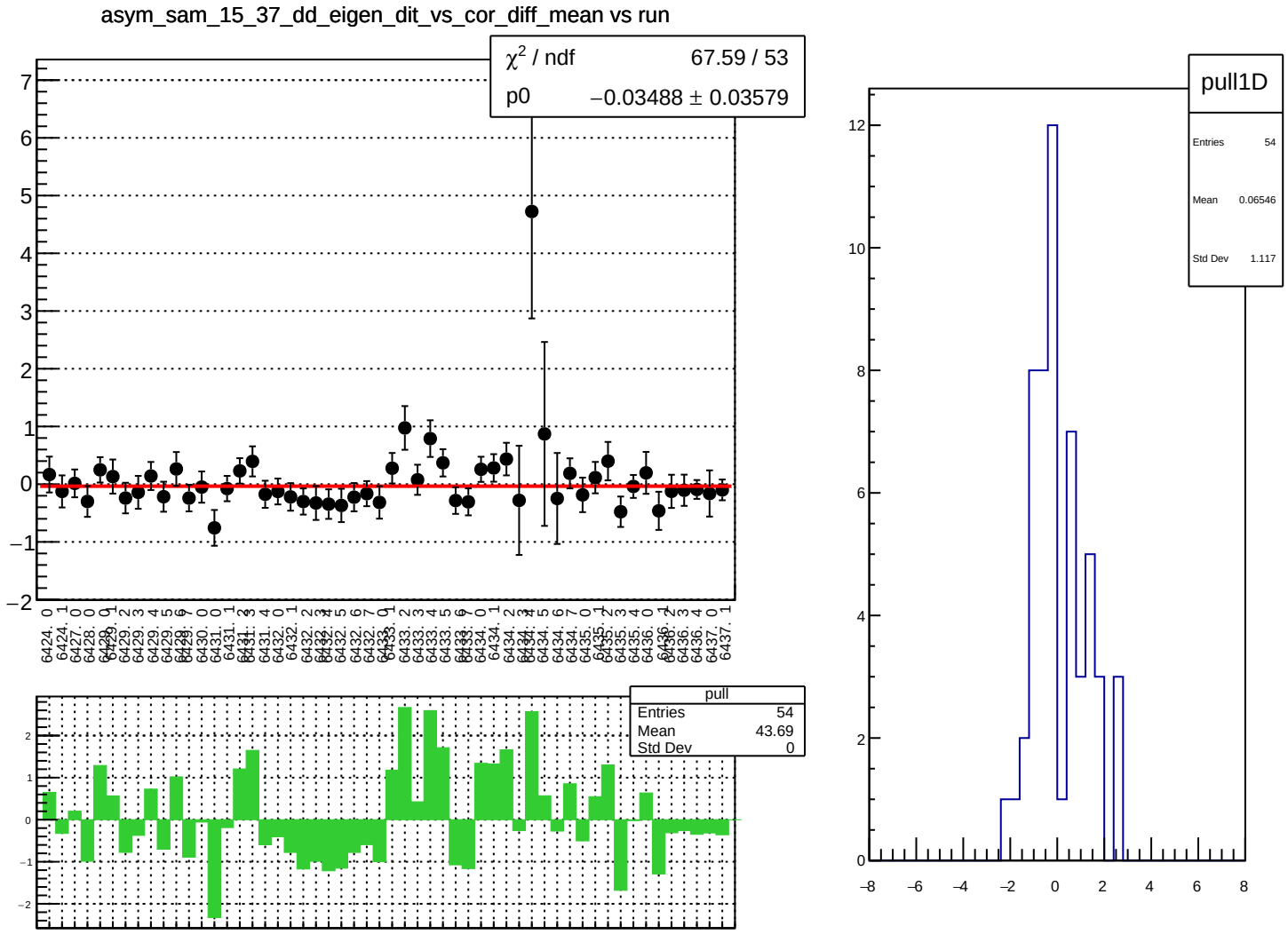

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.373e+04 / 53
p0 24.79 ± 0.02531
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

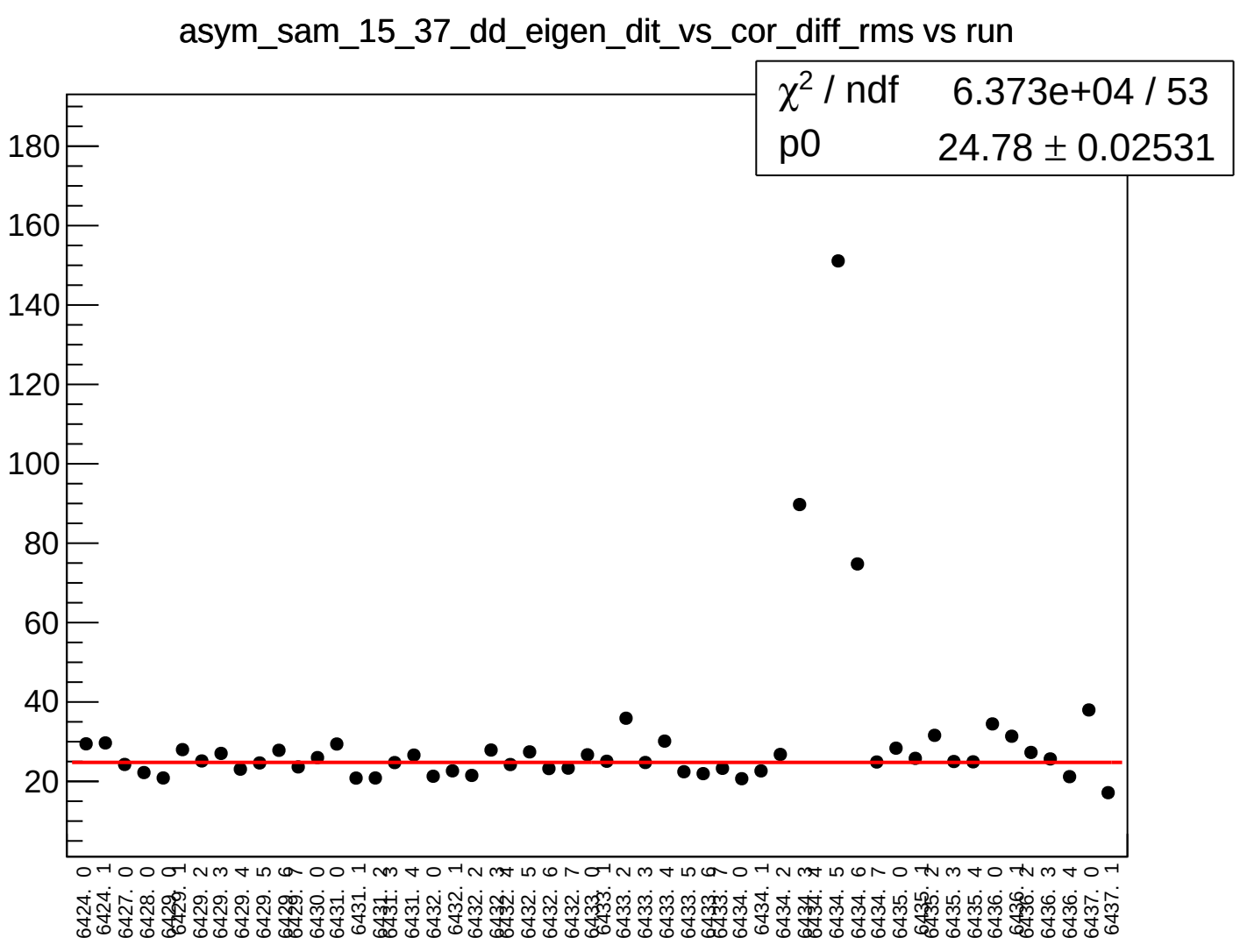

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.59 / 53
p0 −0.03488 ± 0.0358
pull
Entries 54
Mean 43.69
Std Dev 0
pull1D
Entries 54
Mean 0.06546
Std Dev 1.117

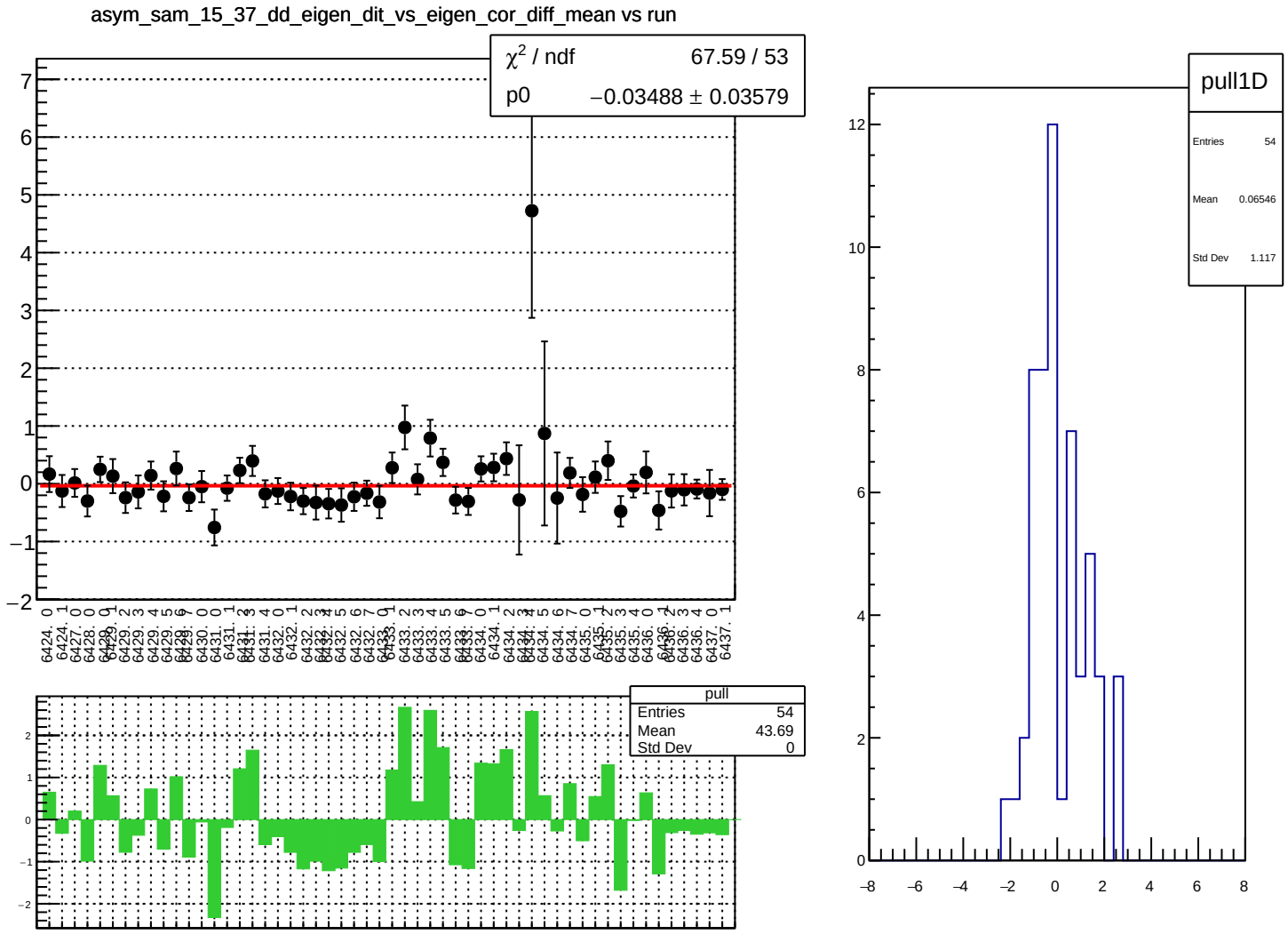

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.373e+04 / 53
p0 24.79 ± 0.02531
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

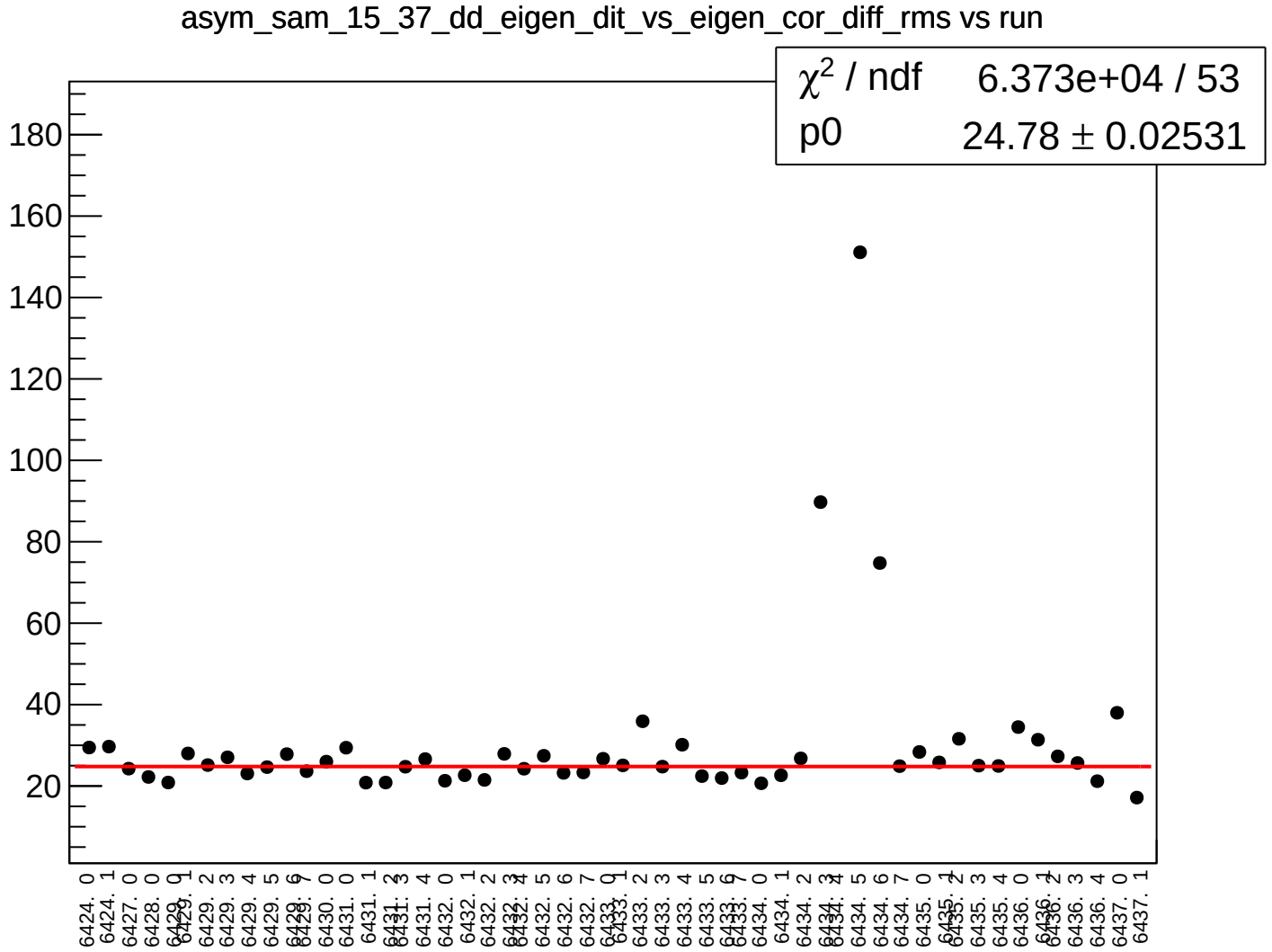

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 48.65 / 53
p0 1.401e−06 ± 2.71e−06
pull
Entries 54
Mean −398.2
Std Dev 0
pull1D
Entries 54
Mean −0.0001915
Std Dev 0.9492

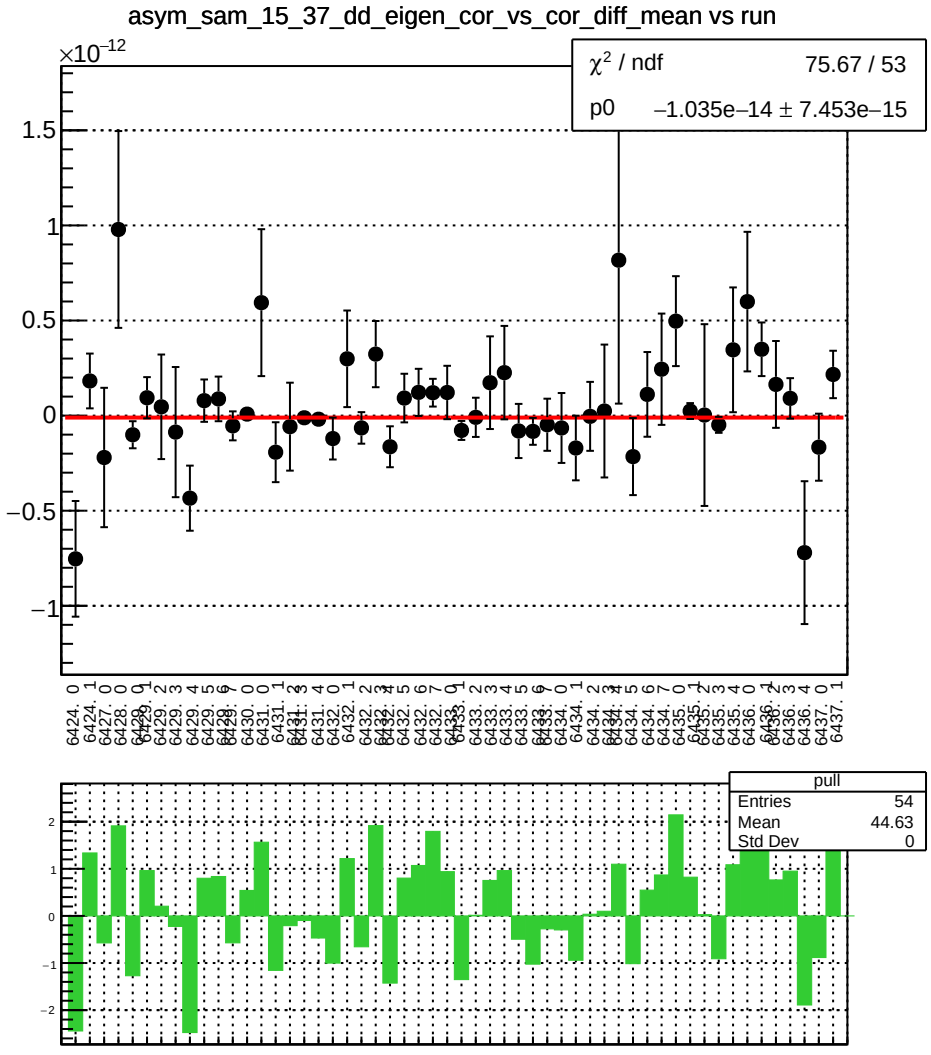

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2259 / 53
p0 0.001936 ± 1.916e−06
0.0021
0.002
0.0019
0.0018
0.0017
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

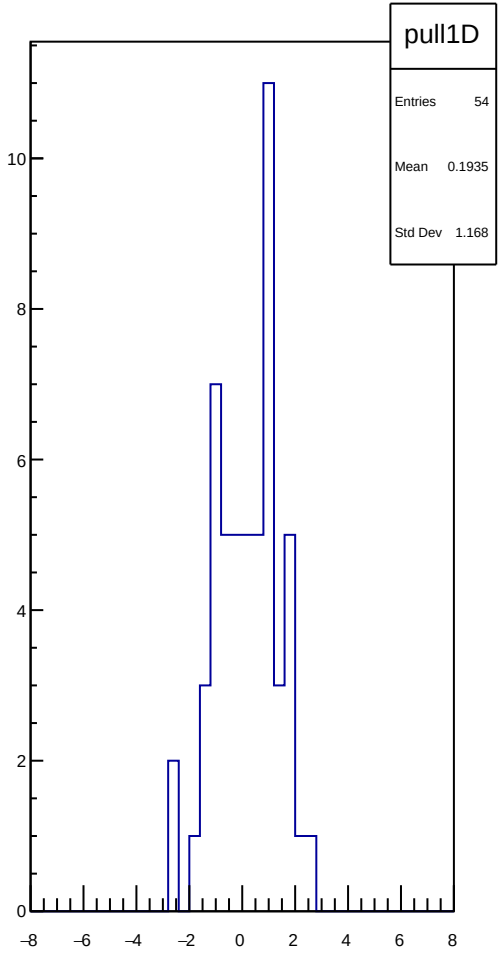

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.59 / 53
p0 −0.03488 ± 0.03579
pull
Entries 54
Mean 43.69
Std Dev 0
pull1D
Entries 54
Mean 0.06546
Std Dev 1.117

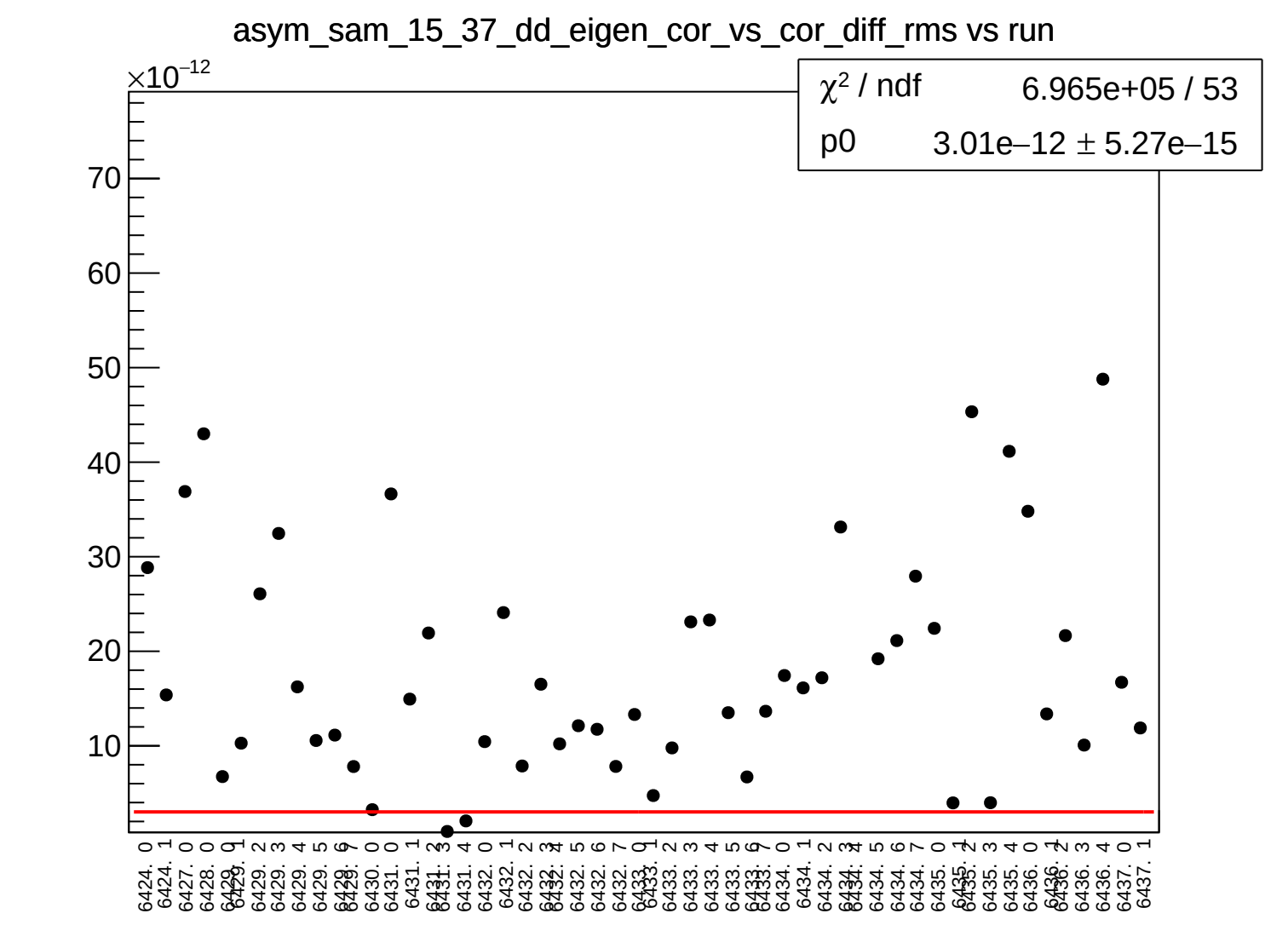

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.373e+04 / 53
p0 24.78 ± 0.02531
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

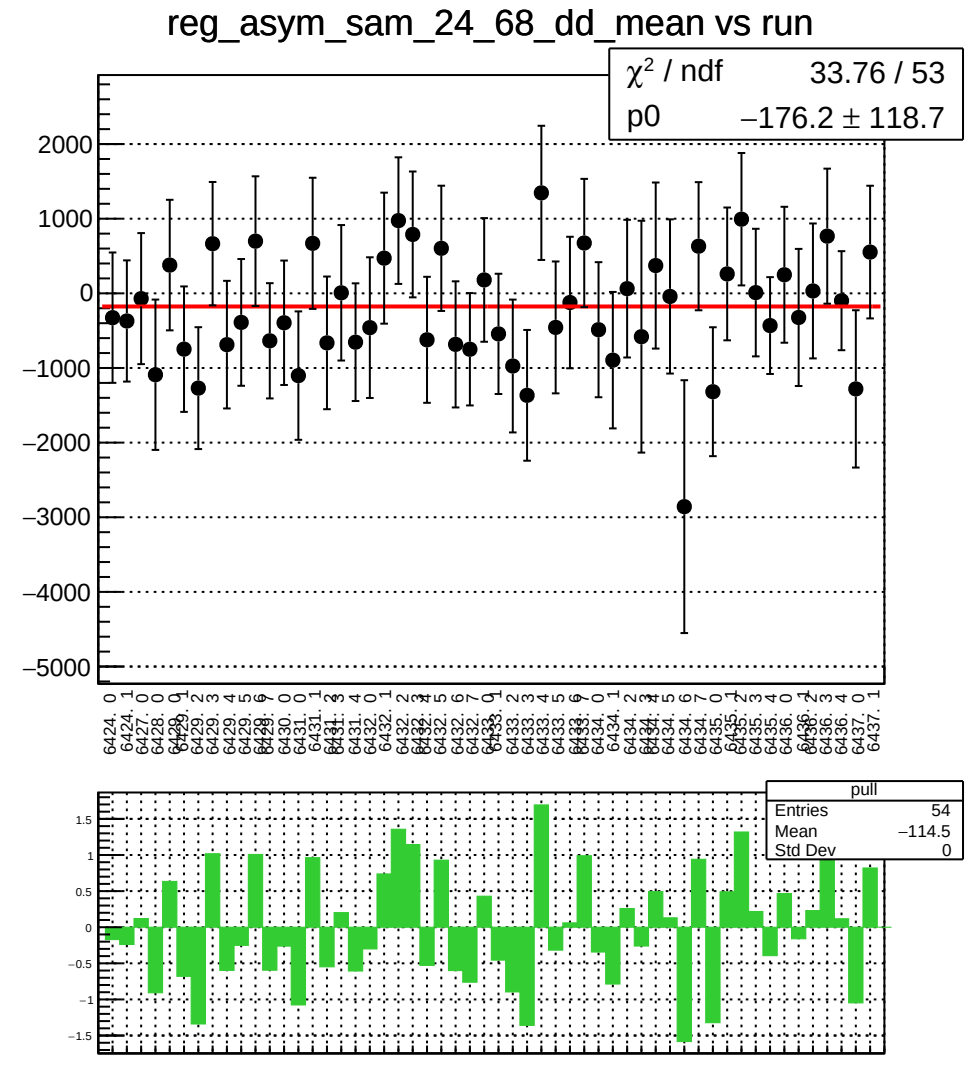

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.59 / 53
p0 −0.03488 ± 0.03579
pull
Entries 54
Mean 43.69
Std Dev 0
pull1D
Entries 54
Mean 0.06546
Std Dev 1.117

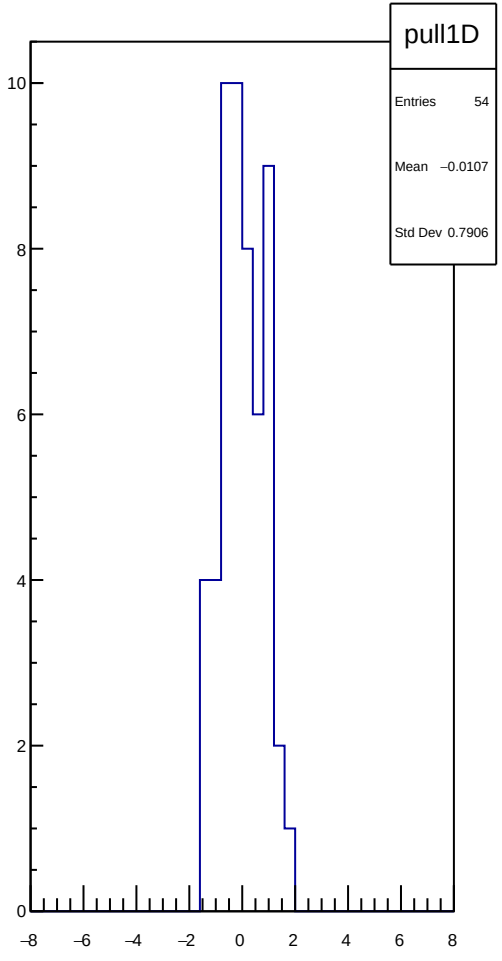

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.373e+04 / 53
p0 24.78 ± 0.02531
180
160
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

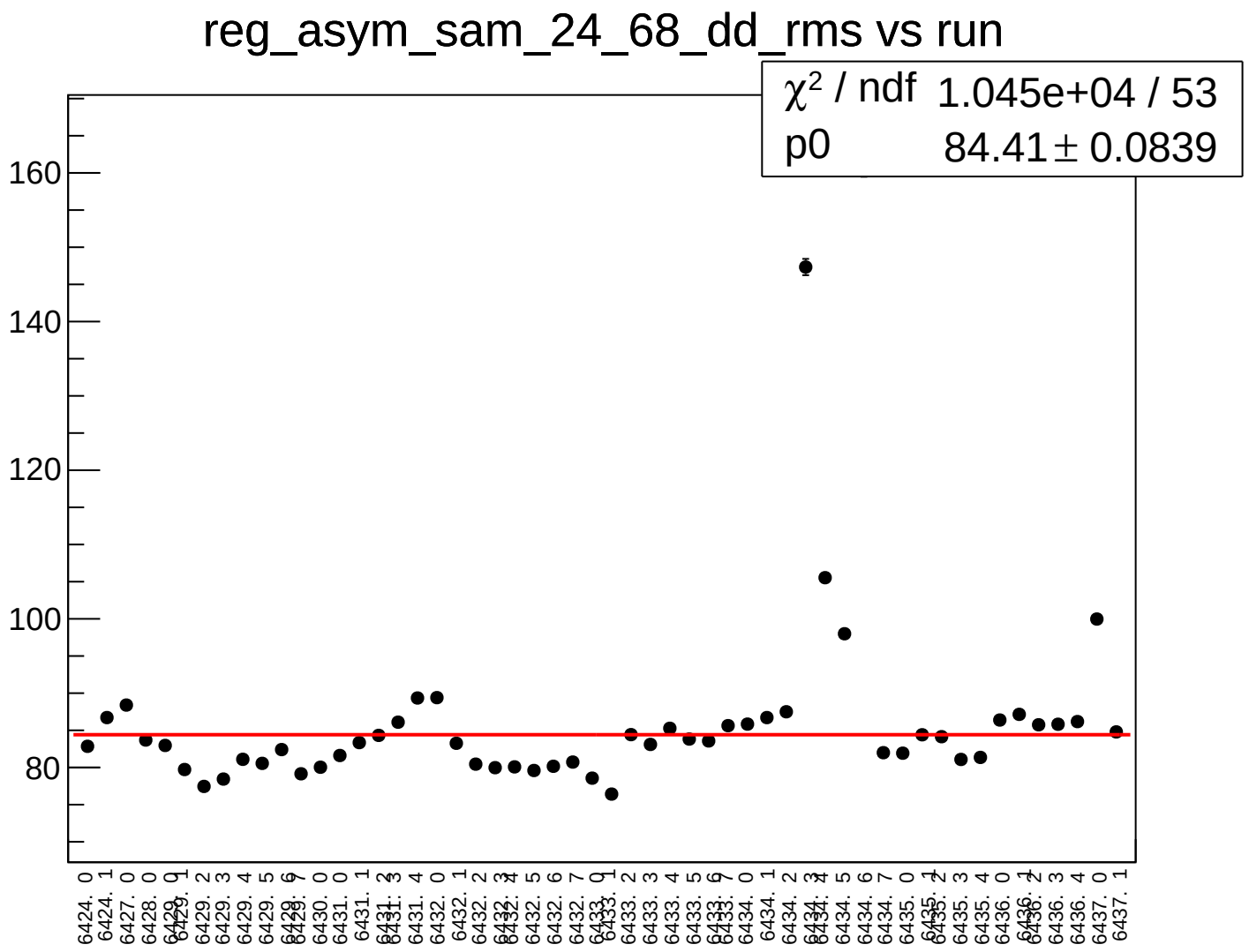

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.67 / 53
p0 −1.035e−14 ± 7.453e−15
pull
Entries 54
Mean 44.63
Std Dev 0

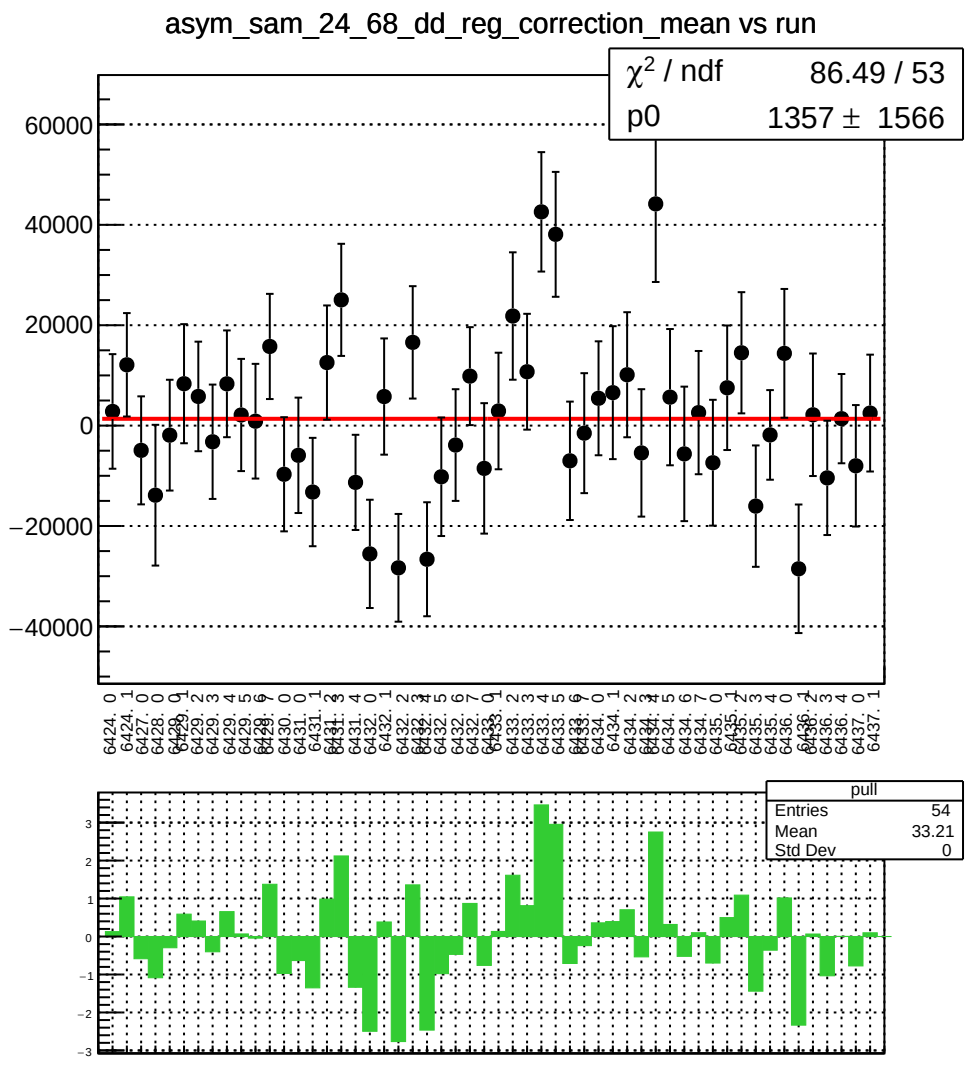

pull1D
Entries 54
Mean 0.1935
Std Dev 1.168

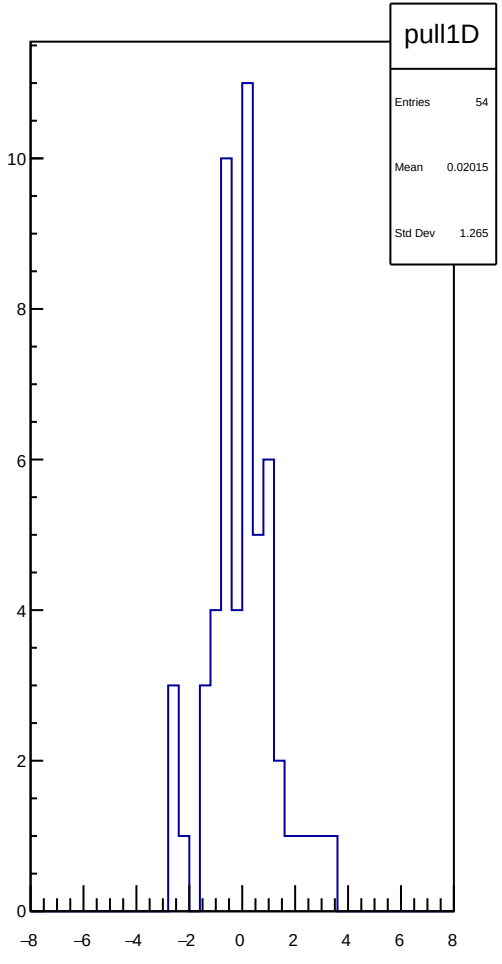

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.965e+05 / 53
p0 3.01e−12 ± 5.27e−15
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

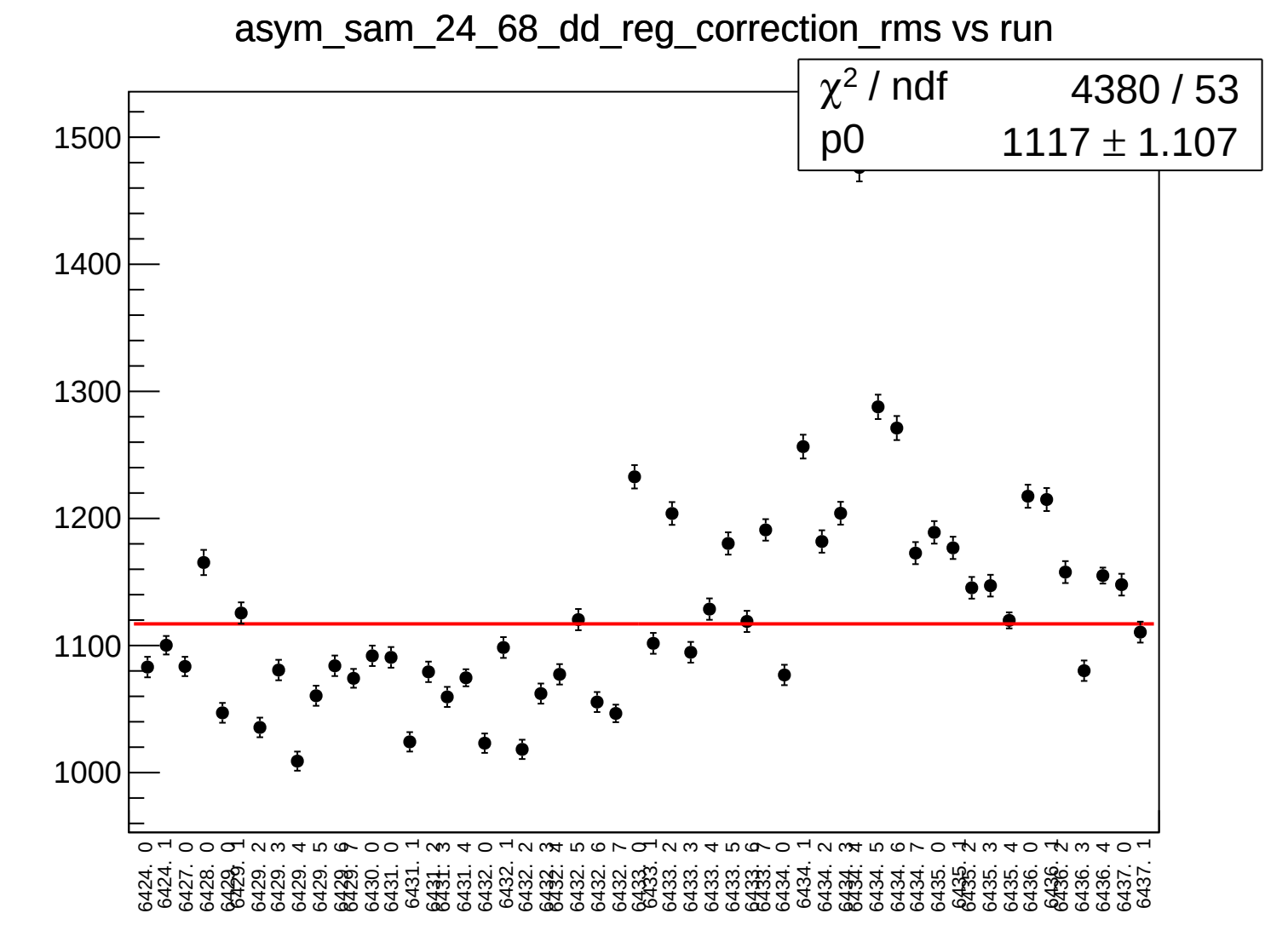

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 33.76 / 53
p0 −176.2 ± 118.7
pull
Entries 54
Mean −114.5
Std Dev 0

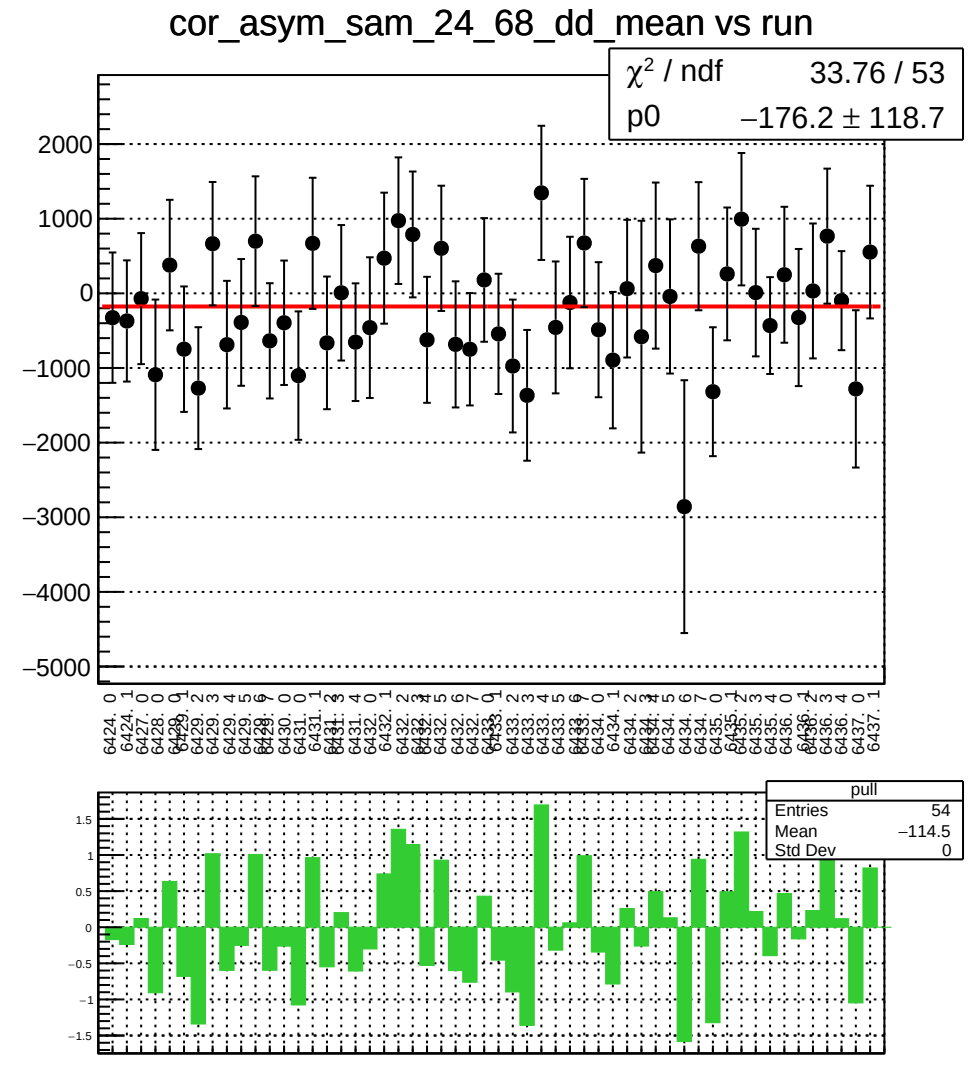

pull1D
Entries 54
Mean −0.0107
Std Dev 0.7906

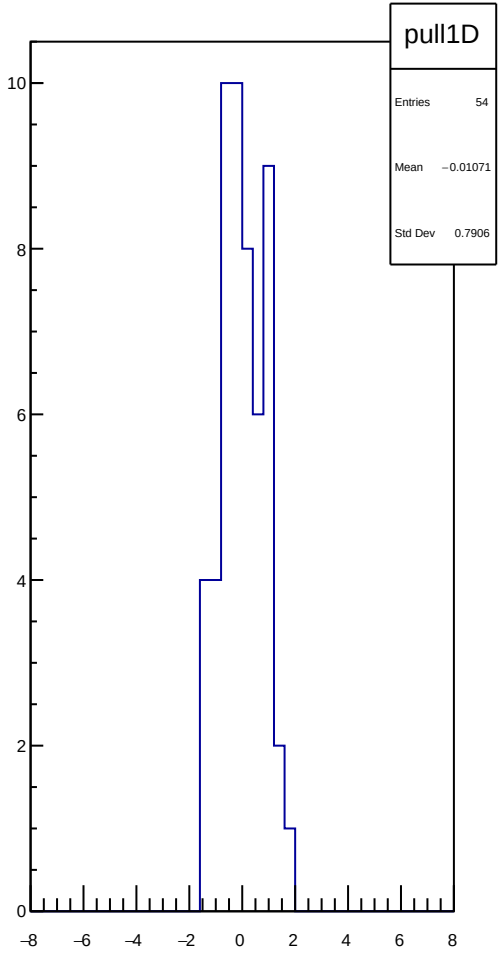

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.045e+04 / 53
p0 84.41 ± 0.0839
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

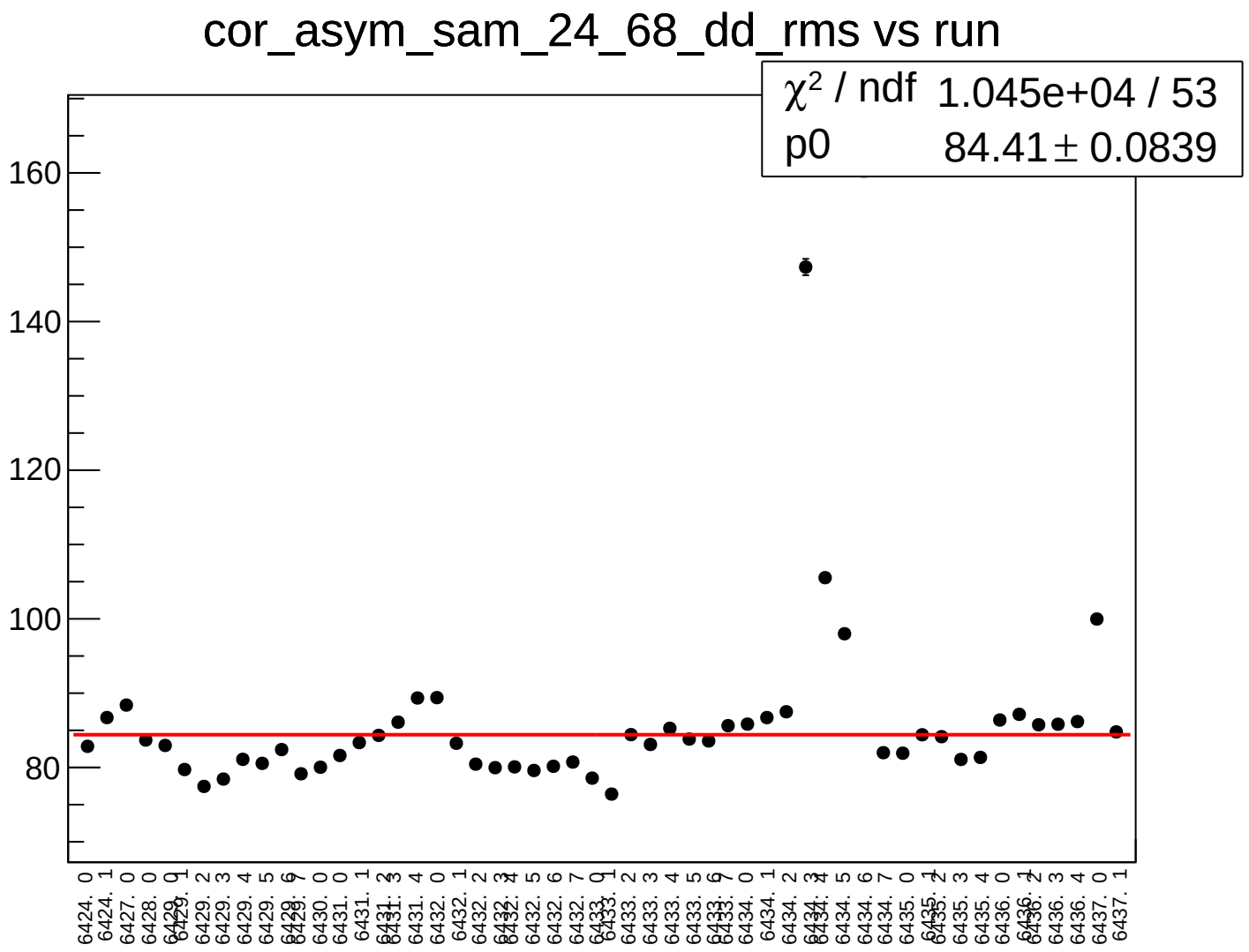

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 86.49 / 53
p0 1357 ± 1566
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 33.21
Std Dev 0
3
2
1
0
−1
−2
−3

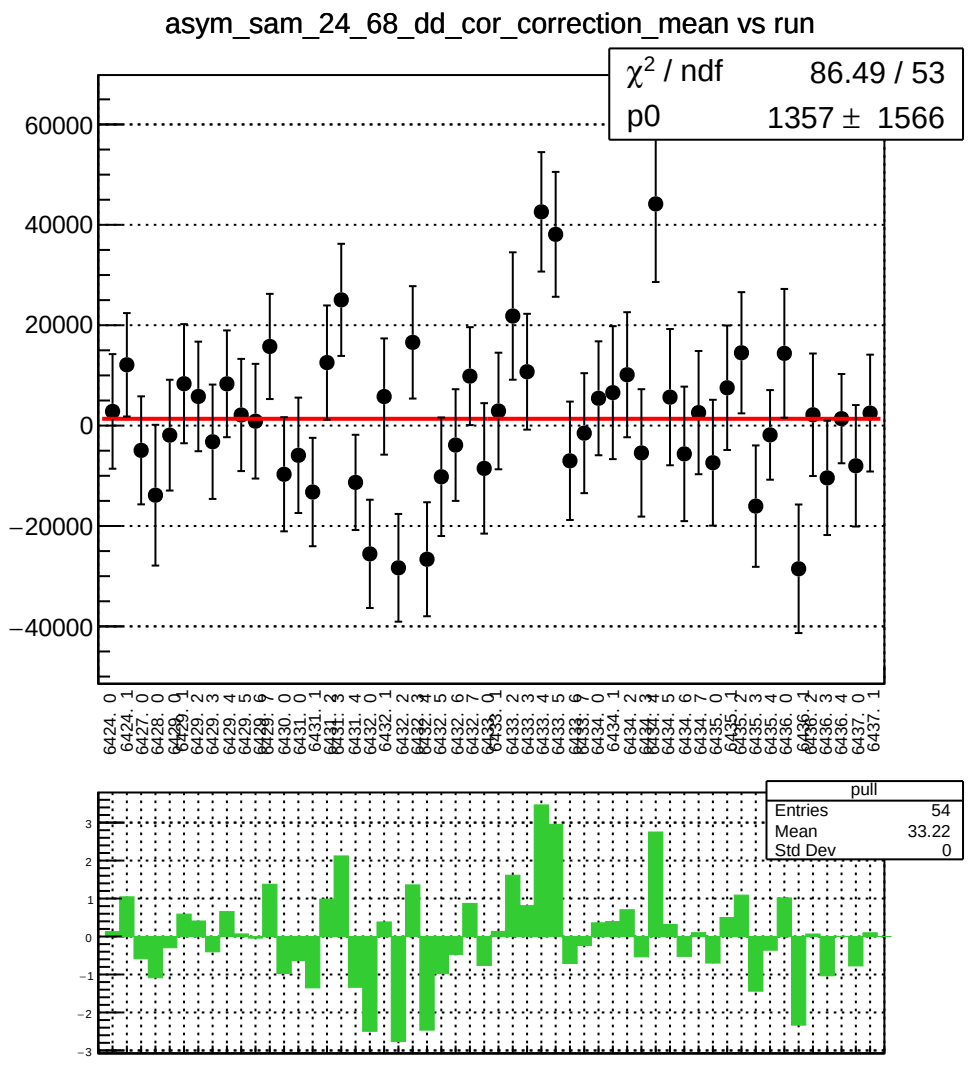

pull1D
Entries 54
Mean 0.02015
Std Dev 1.265
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

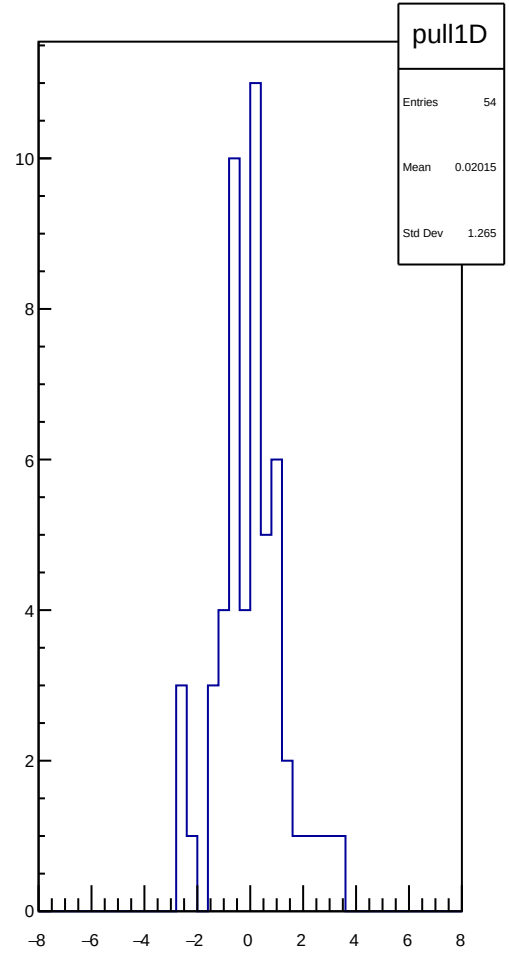

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 4380 / 53
p0 1117 ± 1.107
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

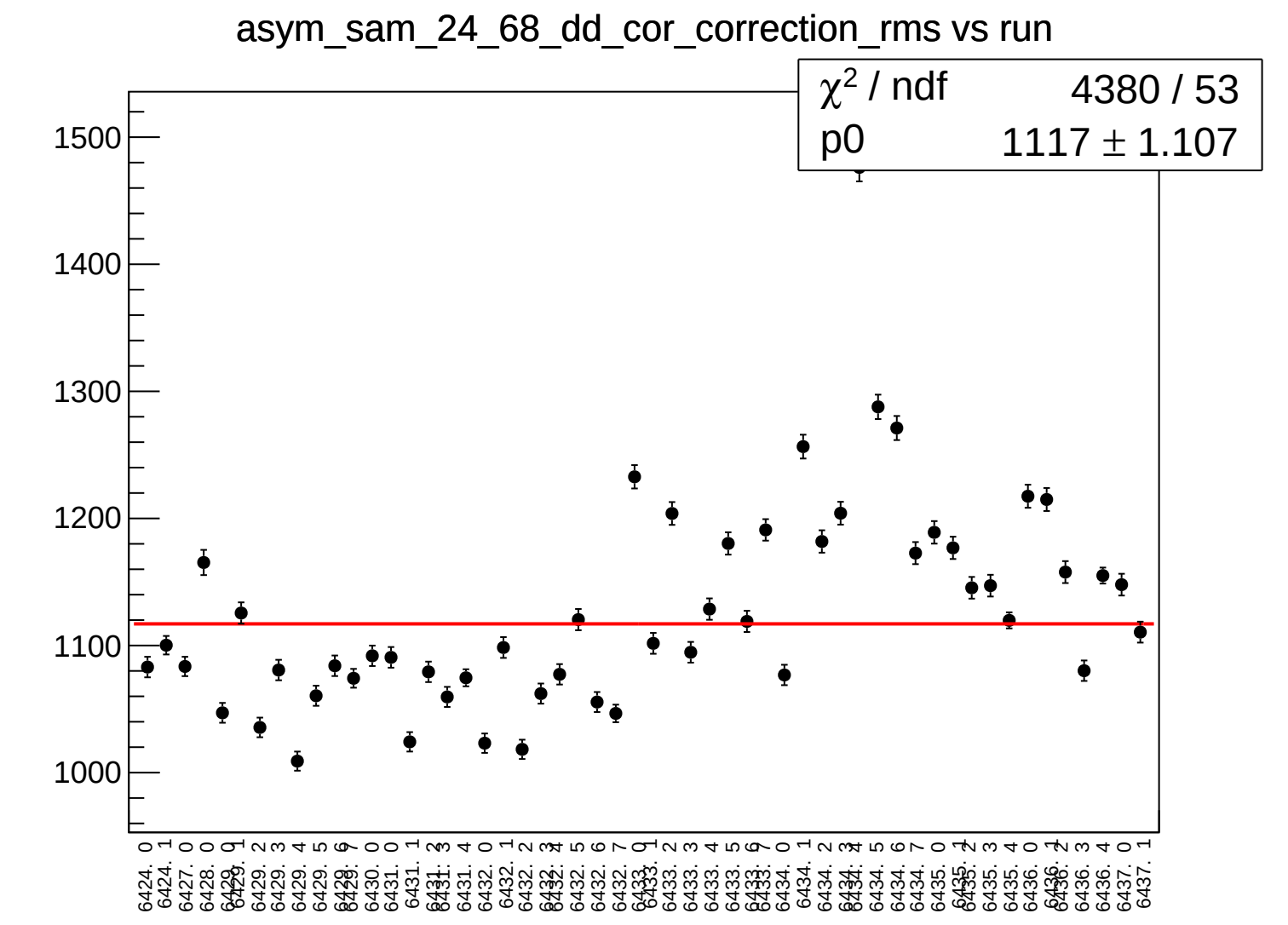

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 33.76 / 53
p0 −176.2 ± 118.7
pull
Entries 54
Mean −114.5
Std Dev 0

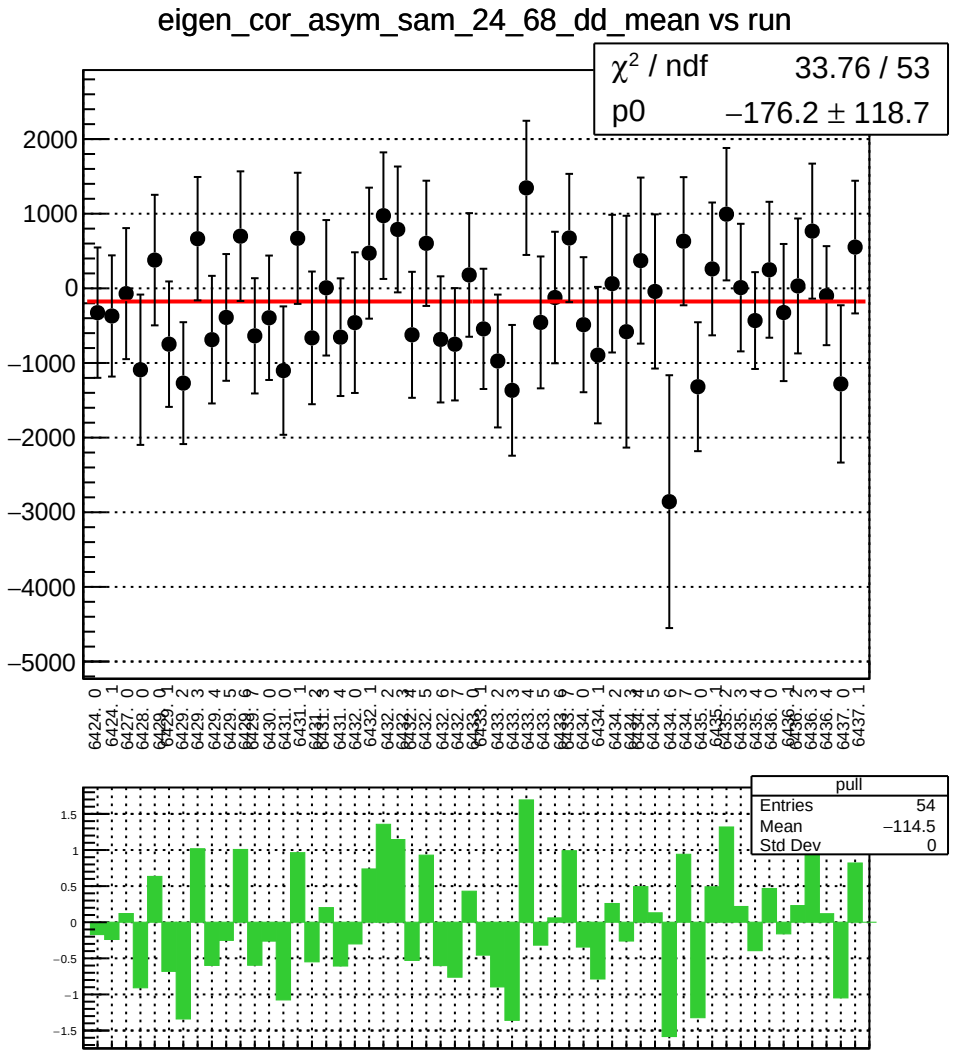

pull1D
Entries 54
Mean −0.01071
Std Dev 0.7906

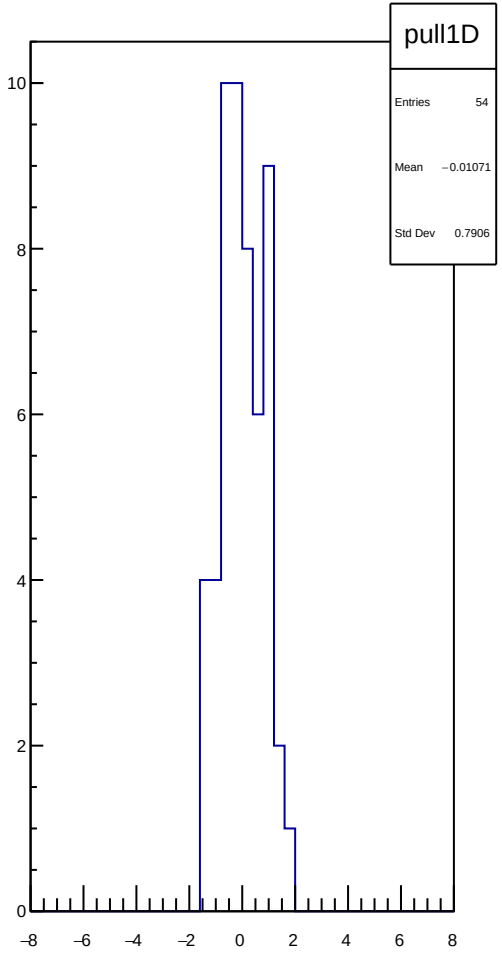

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.045e+04 / 53
p0 84.41 ± 0.0839
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

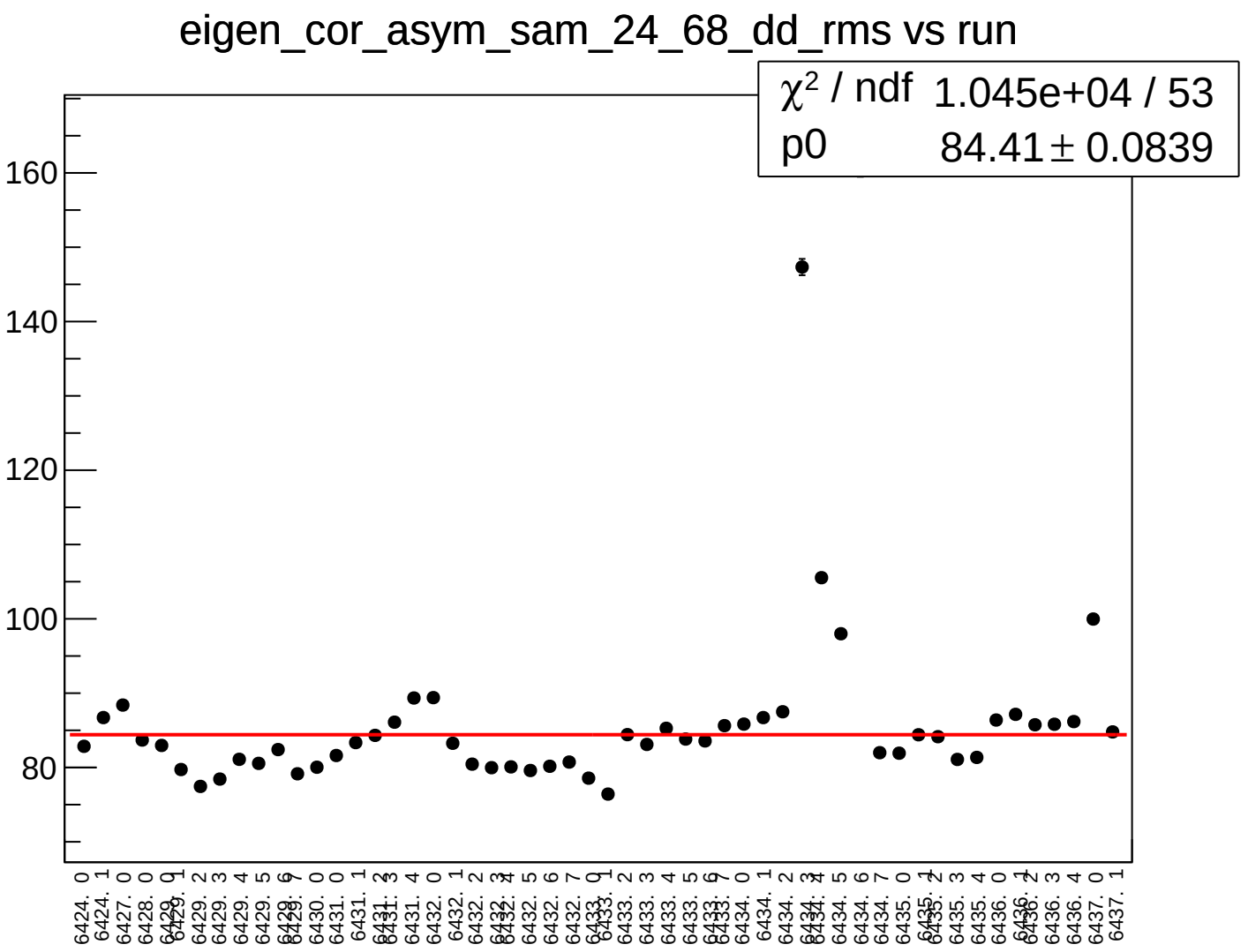

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 86.49 / 53
p0 1357 ± 1566
pull
Entries 54
Mean 33.22
Std Dev 0


pull1D
Entries 54
Mean 0.02015
Std Dev 1.265


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 4380 / 53
p0 1117 ± 1.107
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 33.76 / 53
p0 −176.2 ± 118.7
pull
Entries 54
Mean −114.5
Std Dev 0


pull1D
Entries 54
Mean −0.01071
Std Dev 0.7906


eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.045e+04 / 53
p0 84.41 ± 0.0839
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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6435. 0
6435. 3
6435. 4
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6436. 3
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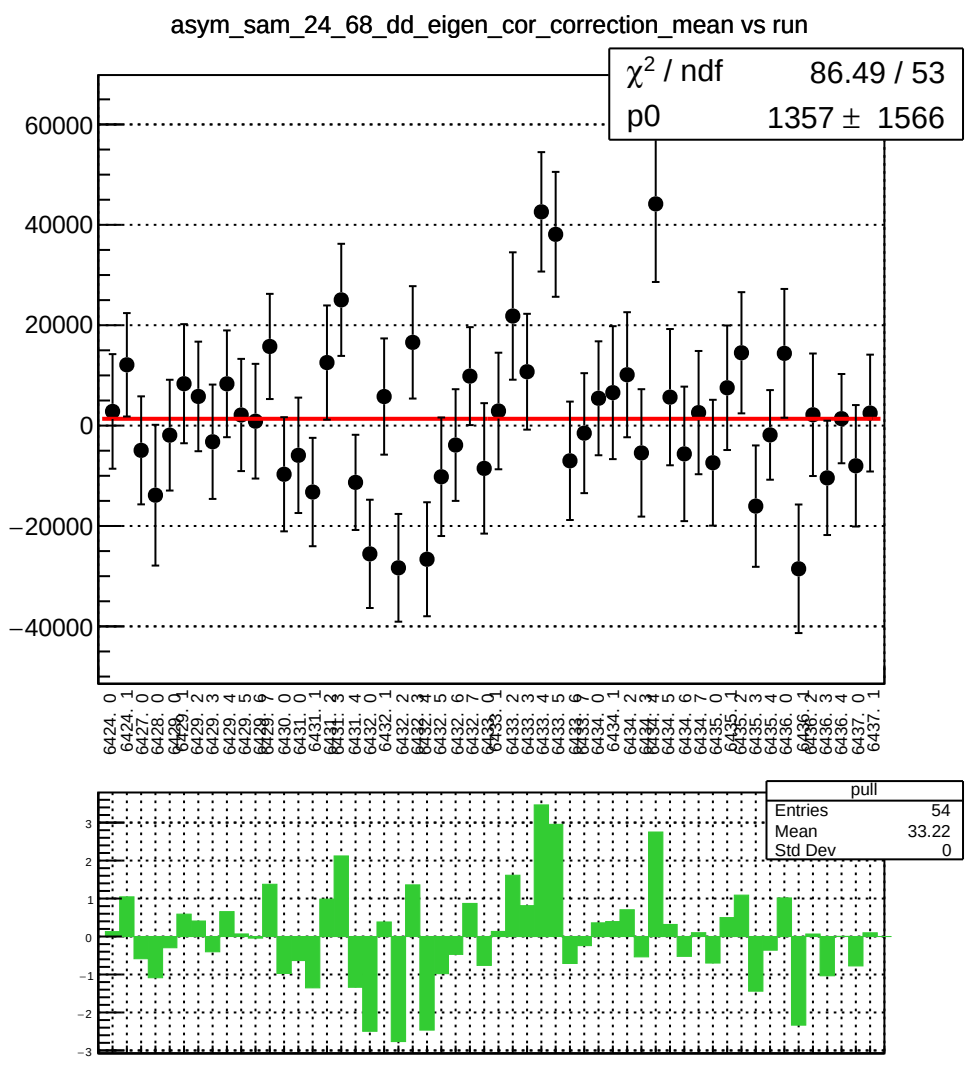
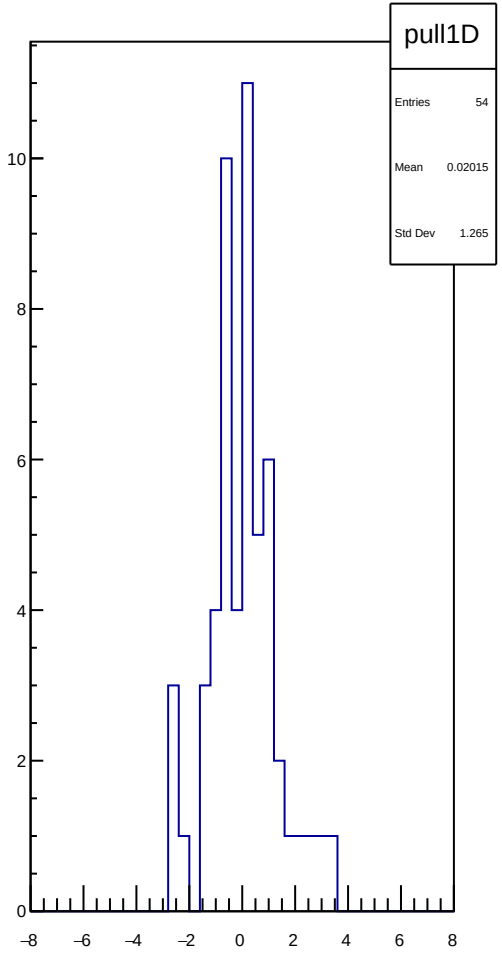
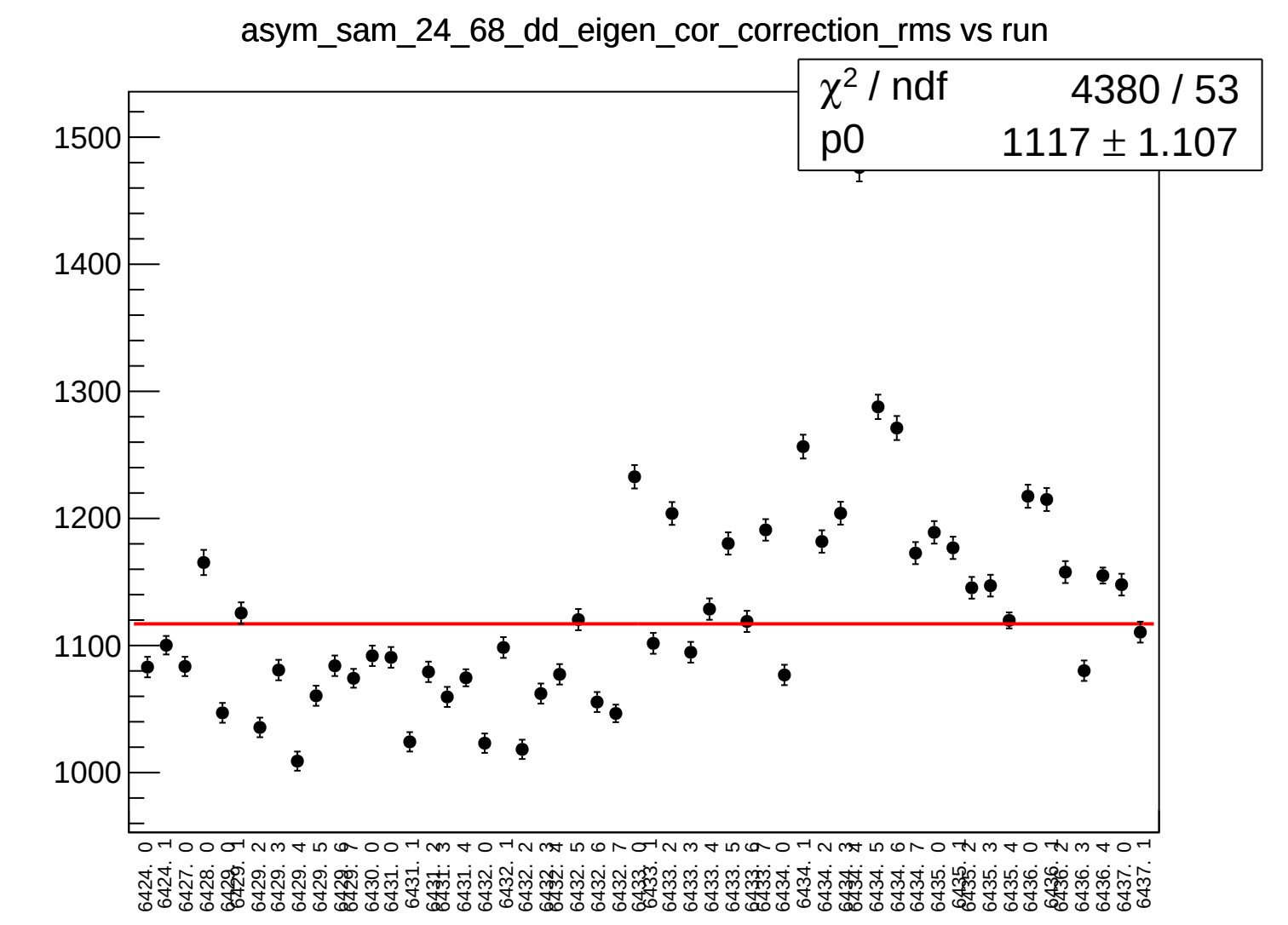
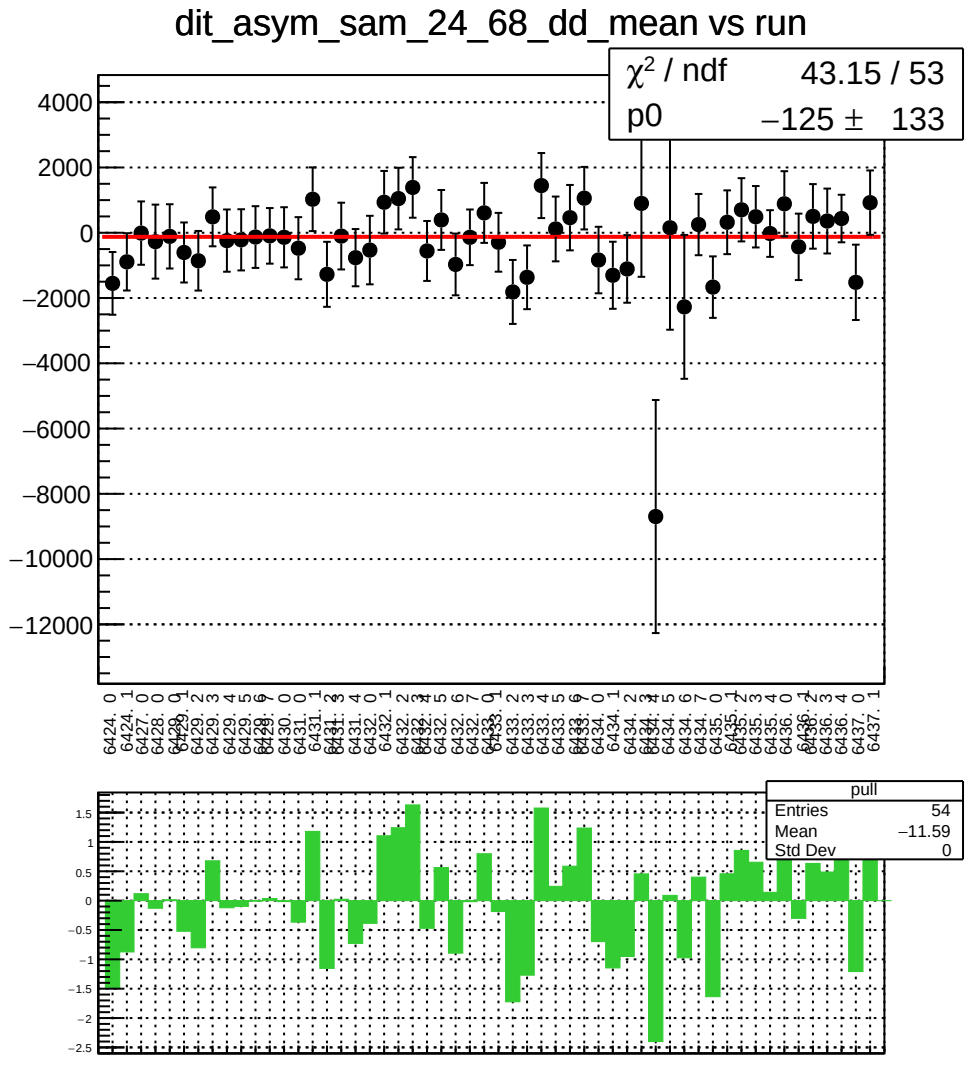
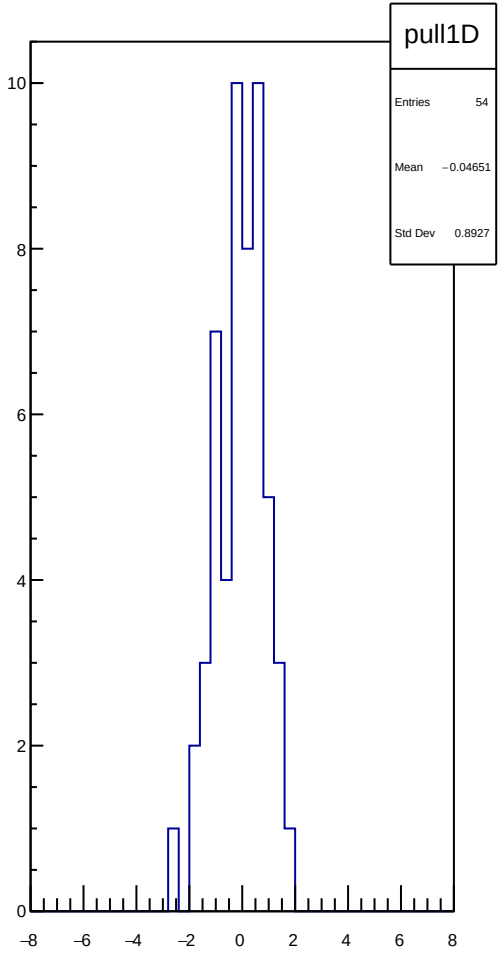
6437. 0
6437. 1

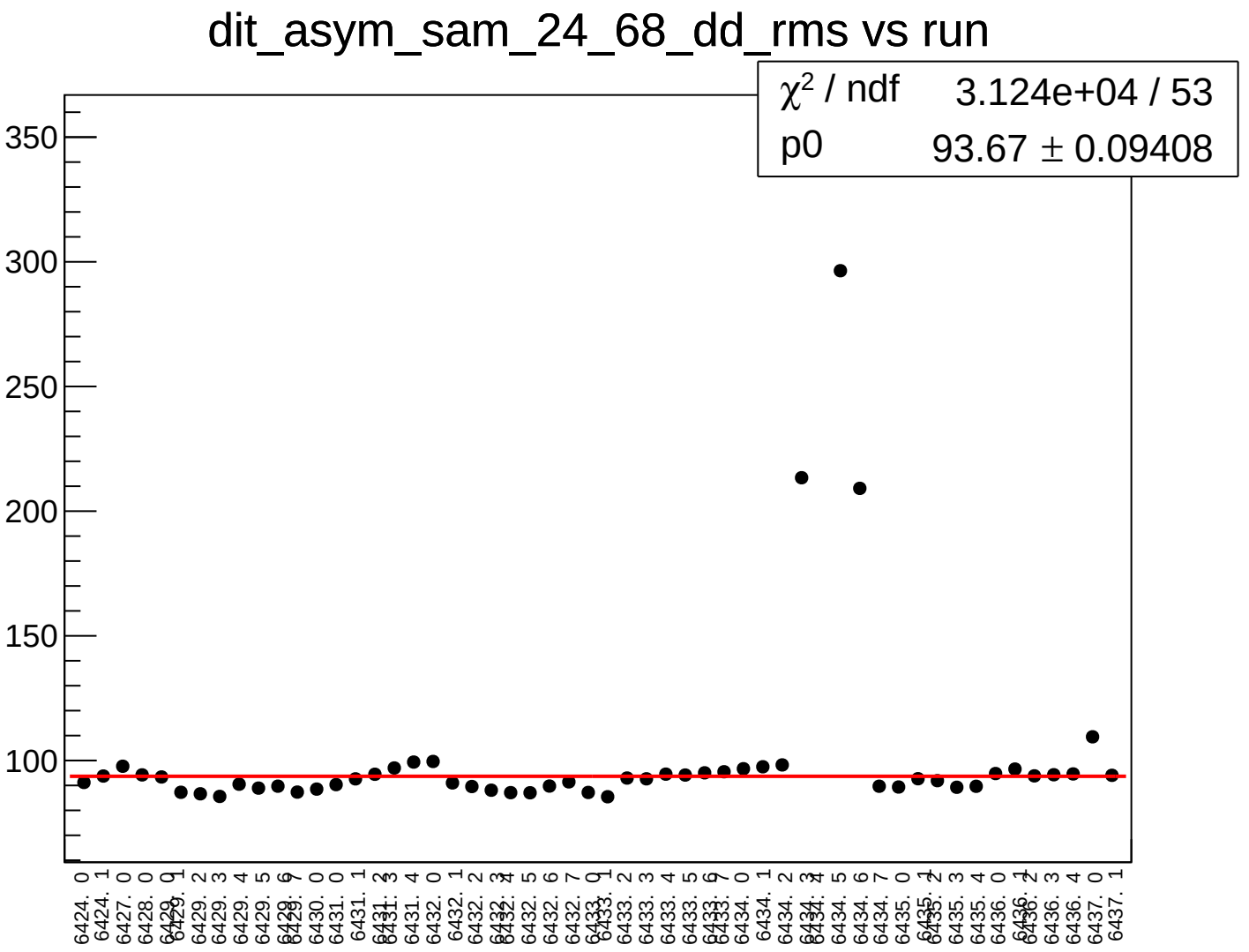

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 86.49 / 53
p0 1357 ± 1566
pull
Entries 54
Mean 33.22
Std Dev 0

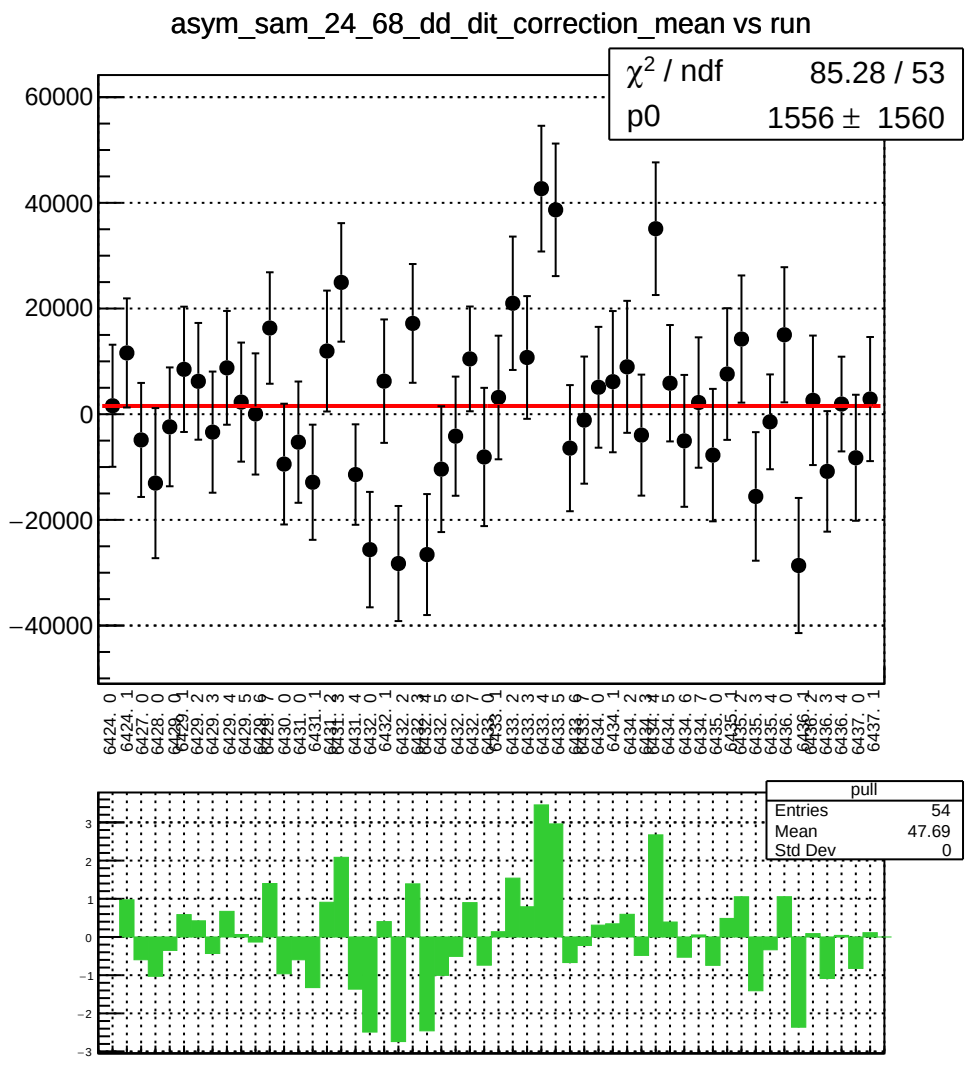

pull1D
Entries 54
Mean 0.02015
Std Dev 1.265

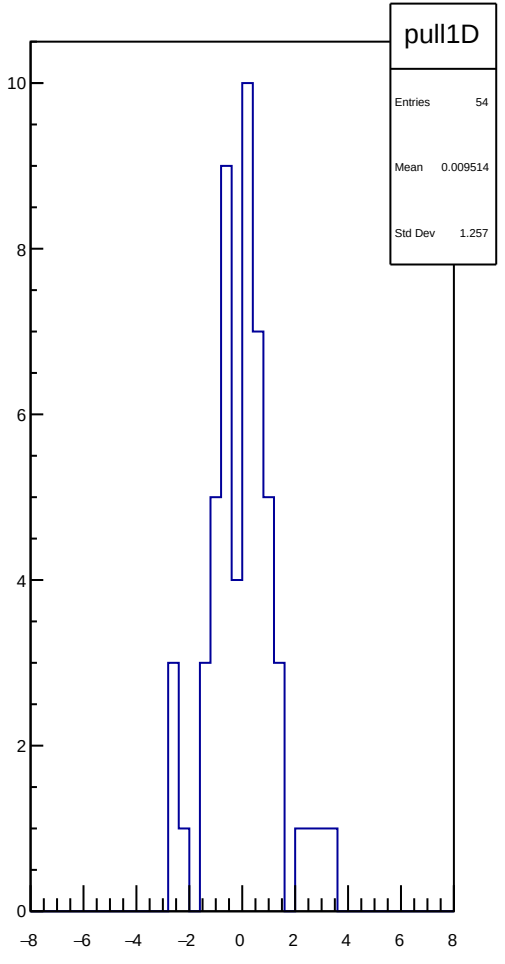

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 4380 / 53
p0 1117 ± 1.107
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

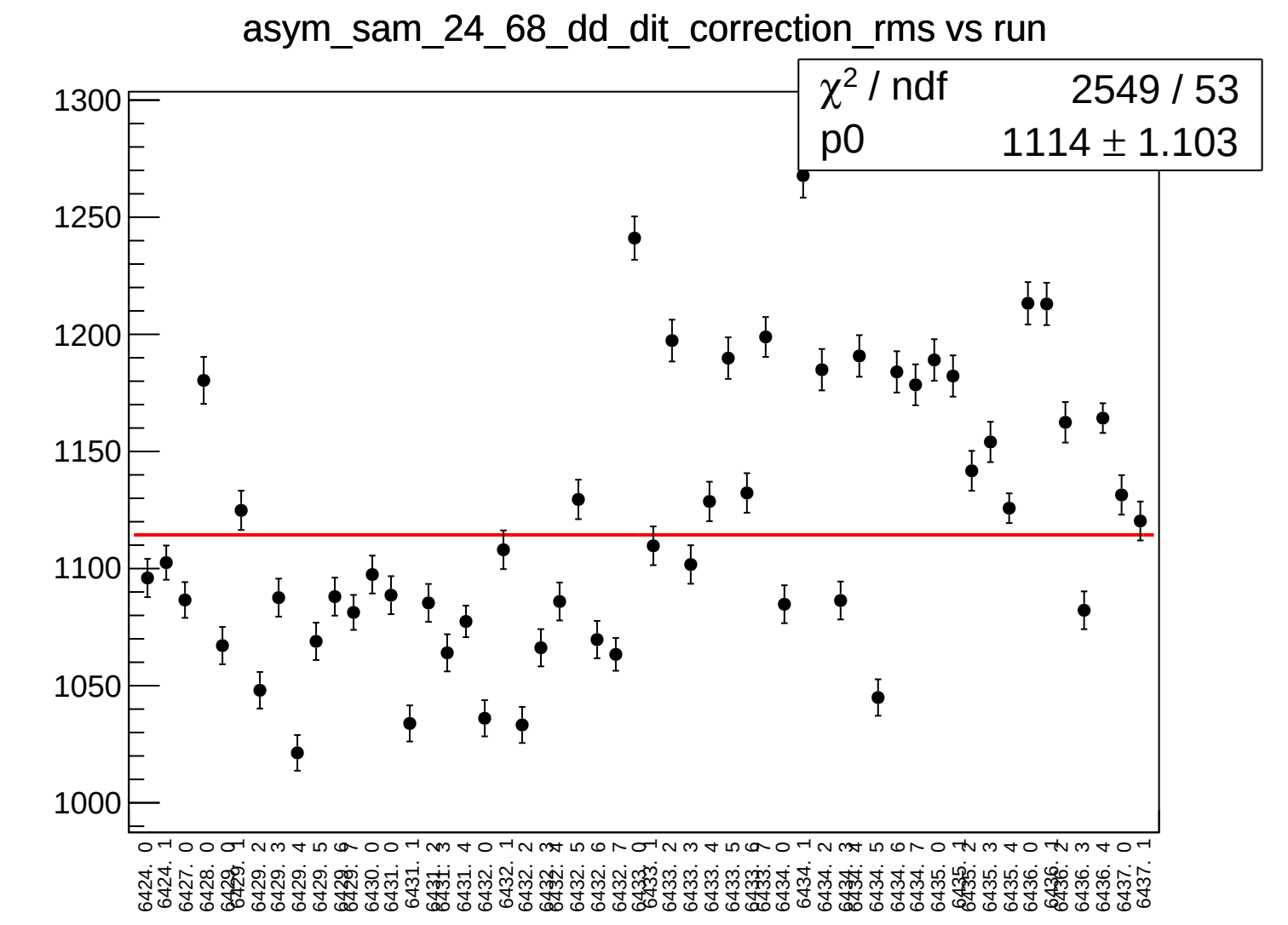

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 43.15 / 53
p0 −125 ± 133
pull
Entries 54
Mean −11.59
Std Dev 0

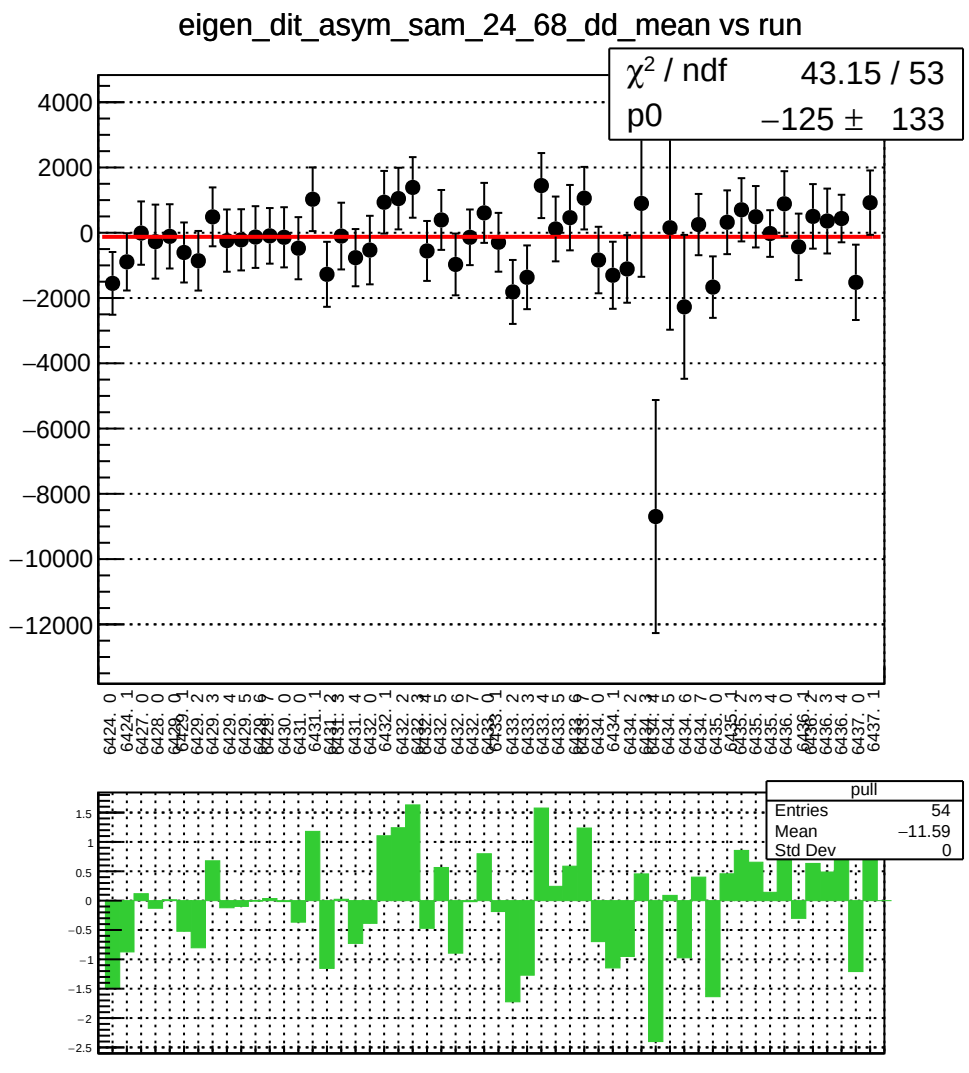

pull1D
Entries 54
Mean −0.04651
Std Dev 0.8927

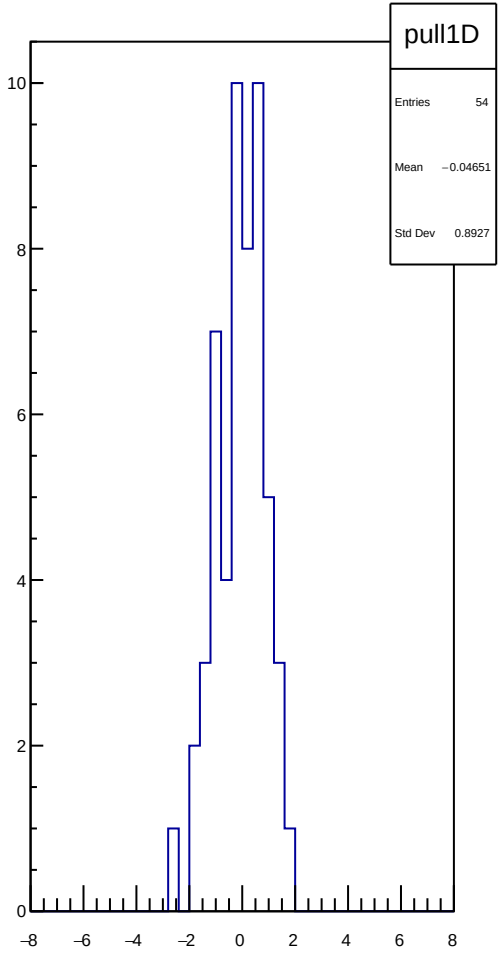

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3.124e+04 / 53
p0 93.67 ± 0.09408
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

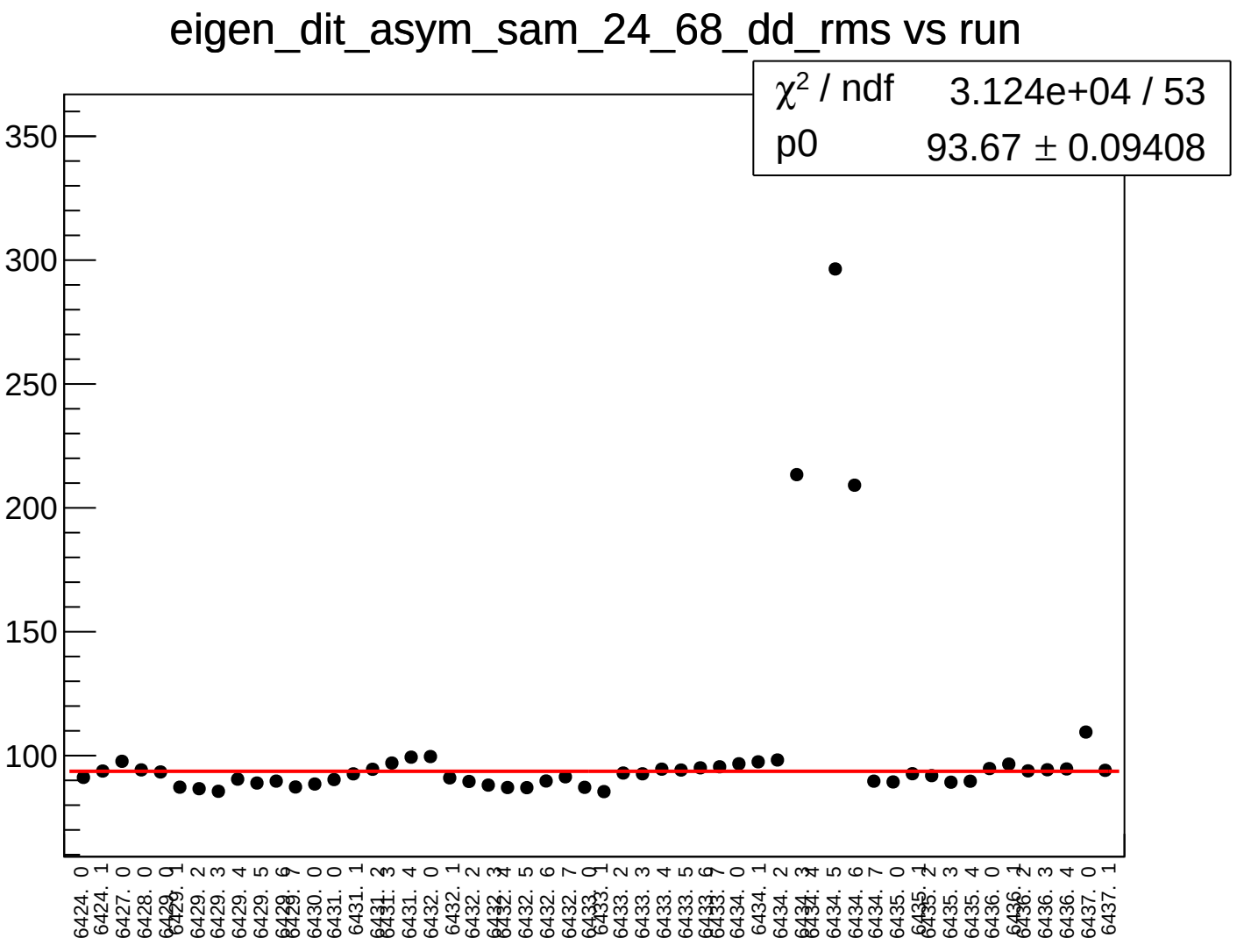

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 85.28 / 53
p0 1556 ± 1560
pull
Entries 54
Mean 47.69
Std Dev 0

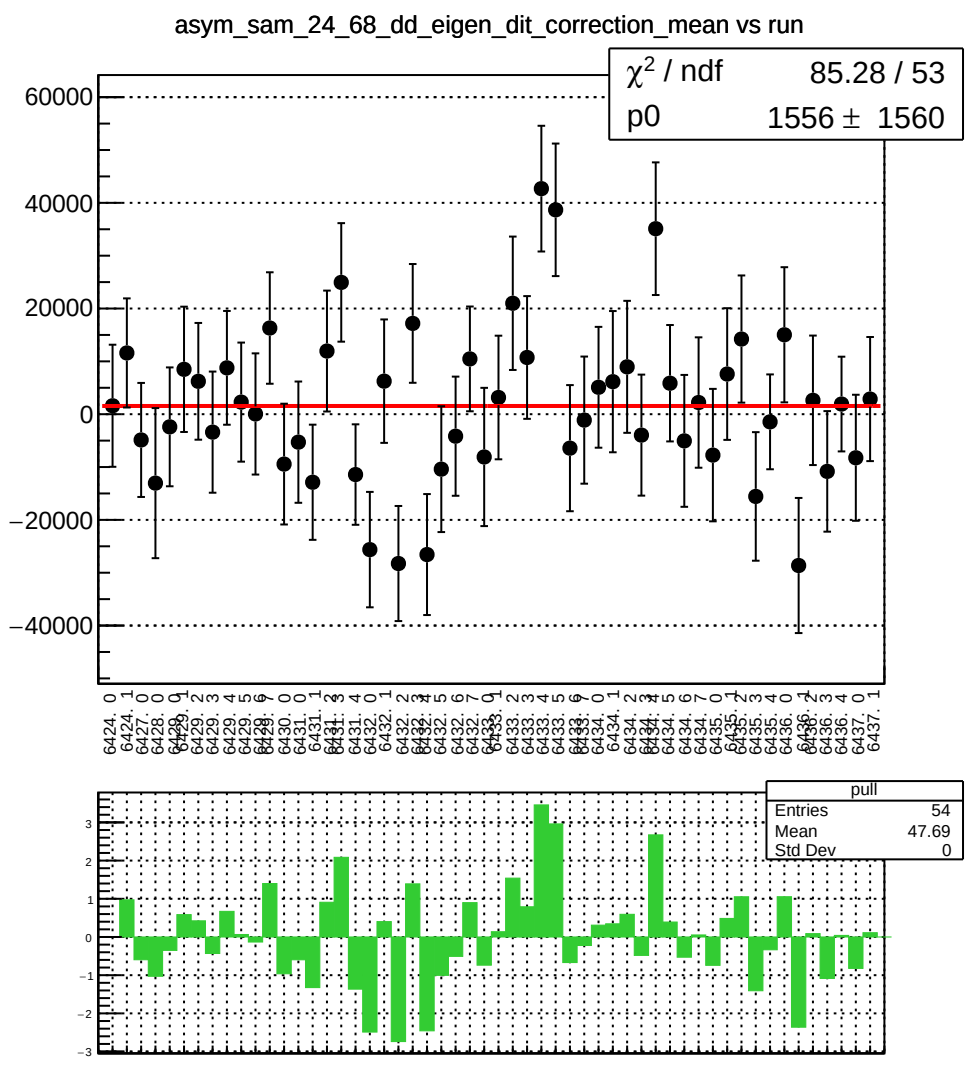

pull1D
Entries 54
Mean 0.009514
Std Dev 1.257

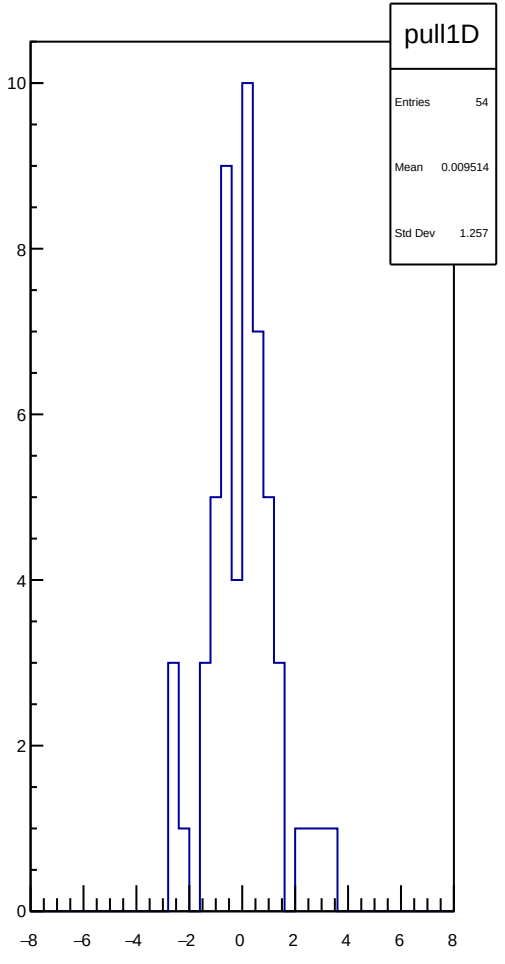

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2549 / 53
p0 1114 ± 1.103
1300
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

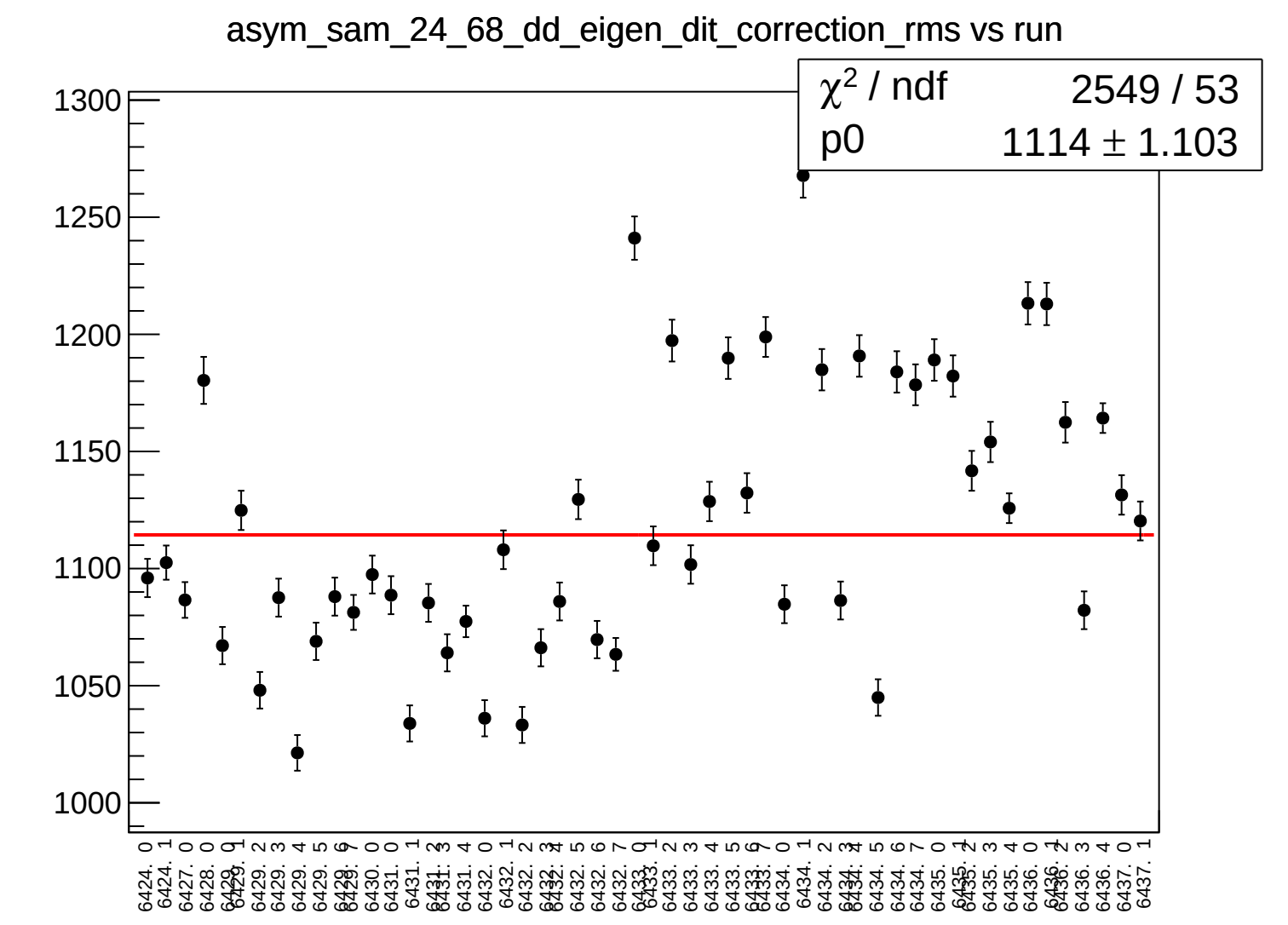

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 43.15 / 53
p0 −125 ± 133
pull
Entries 54
Mean −11.59
Std Dev 0

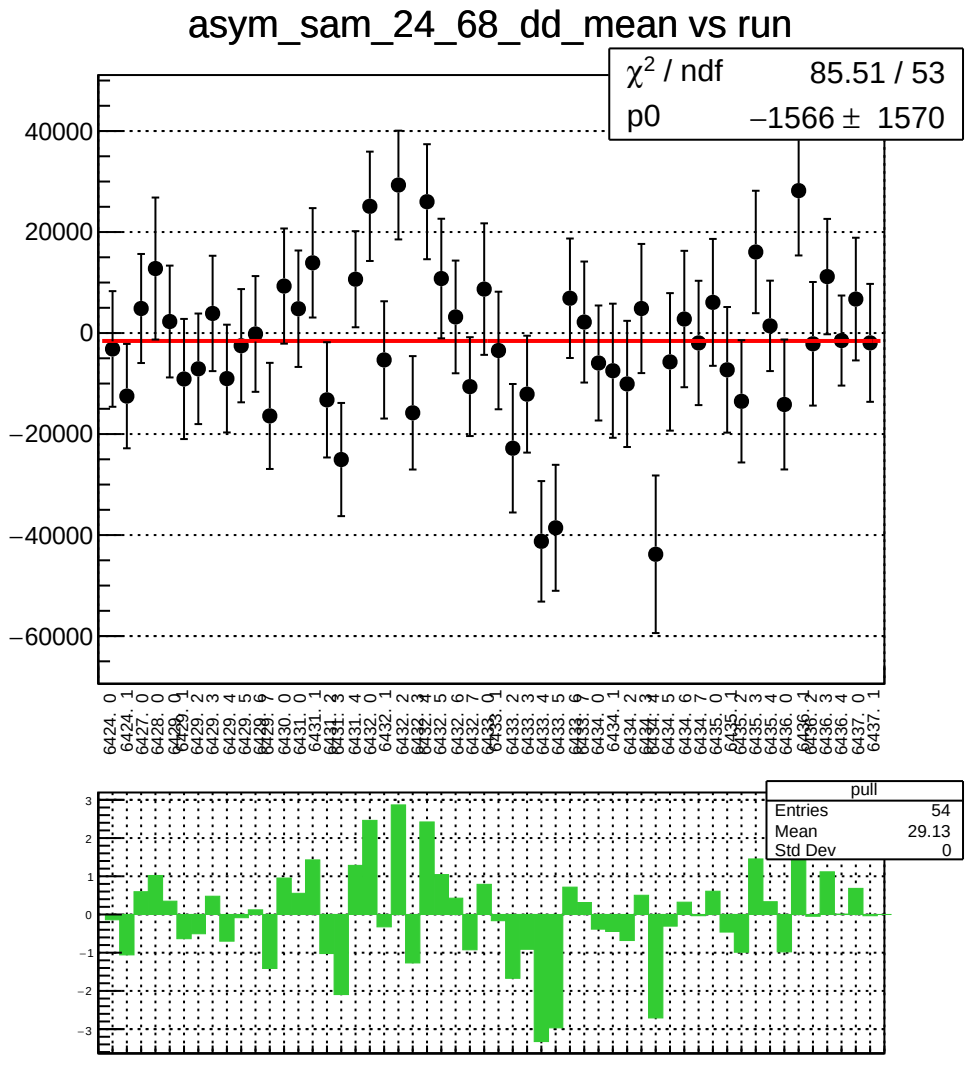

pull1D
Entries 54
Mean −0.04651
Std Dev 0.8927

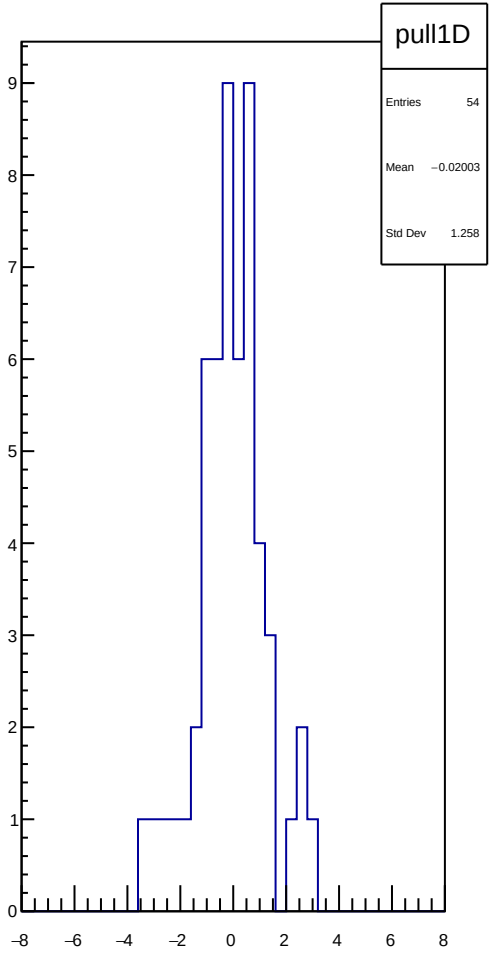

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3.124e+04 / 53
p0 93.67 ± 0.09408
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

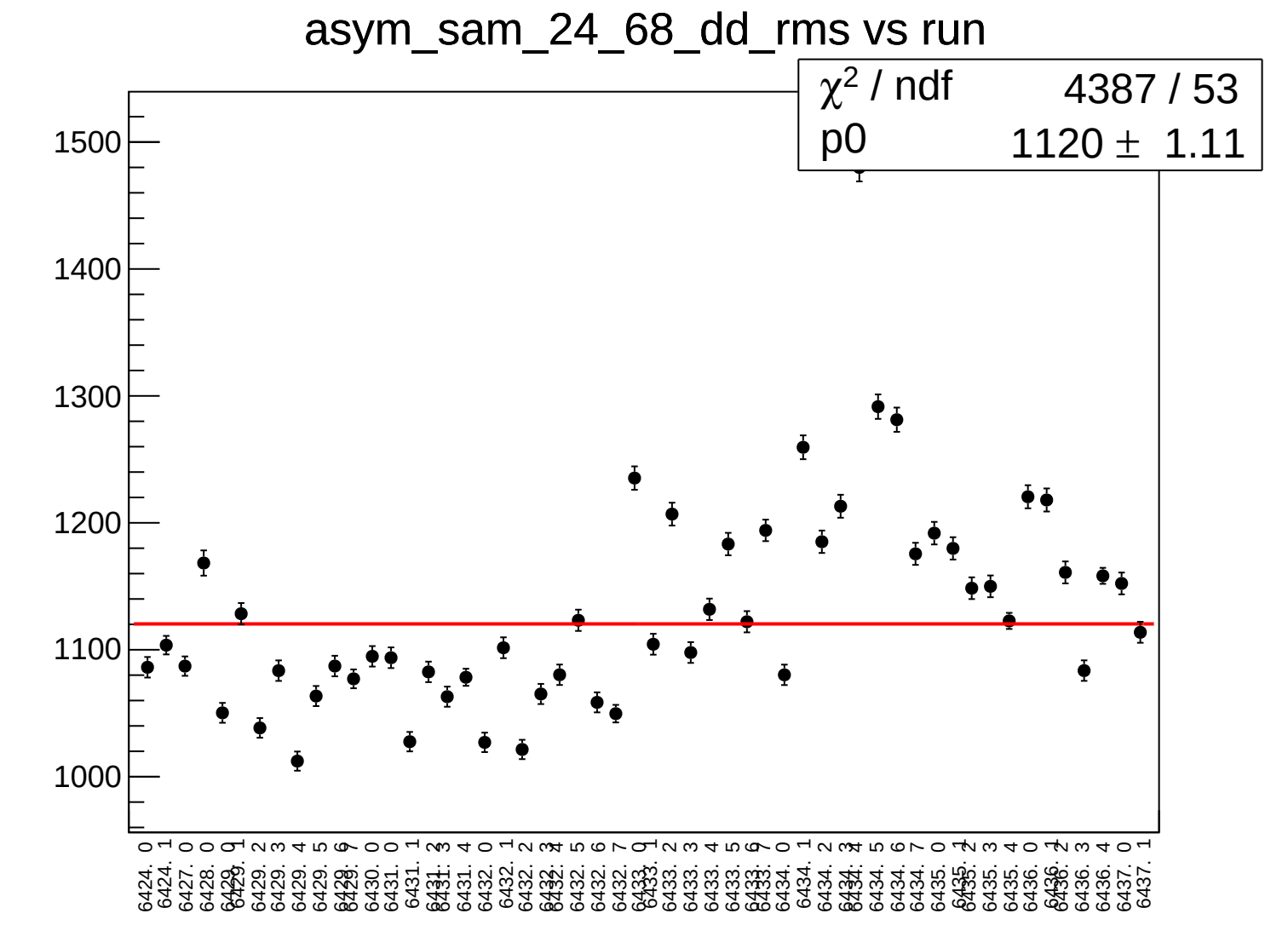

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.28 / 53
p0 1556 ± 1560
pull
Entries 54
Mean 47.69
Std Dev 0

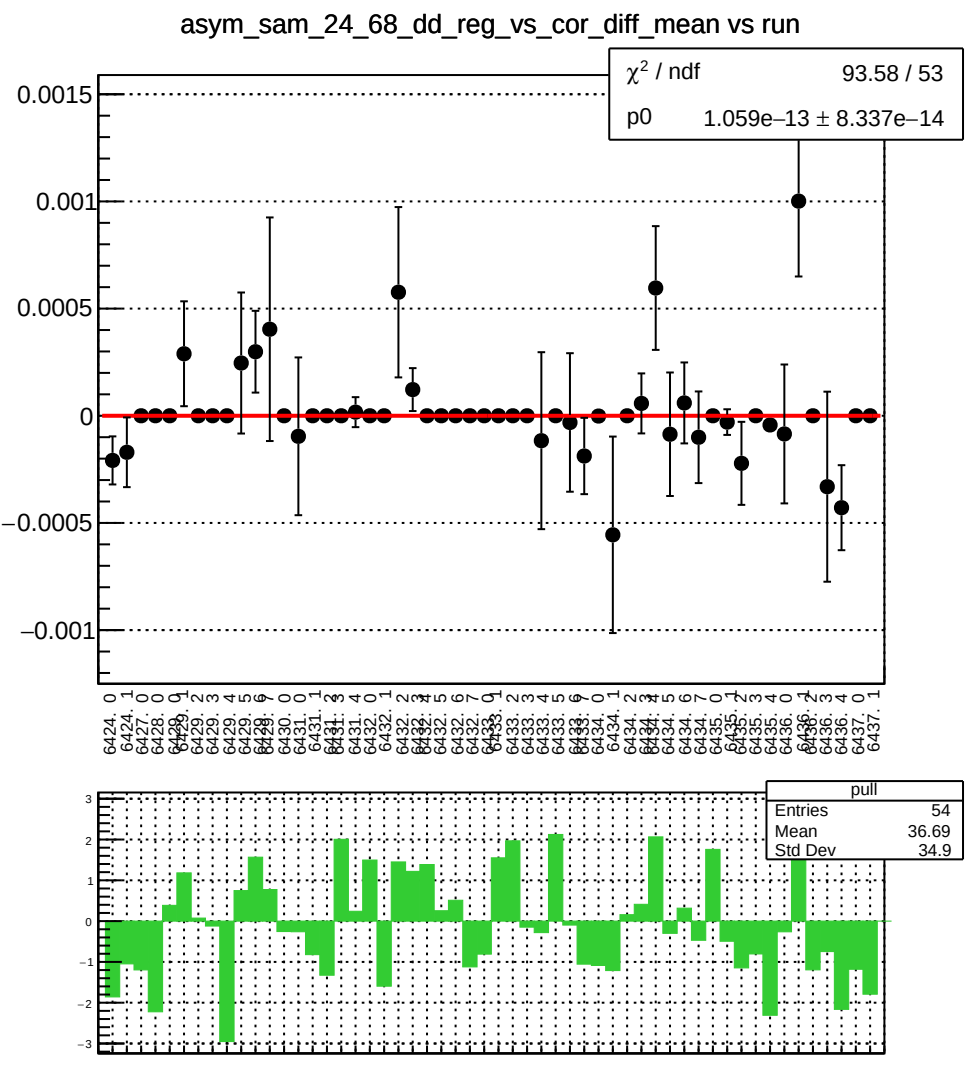

pull1D
Entries 54
Mean 0.009514
Std Dev 1.257

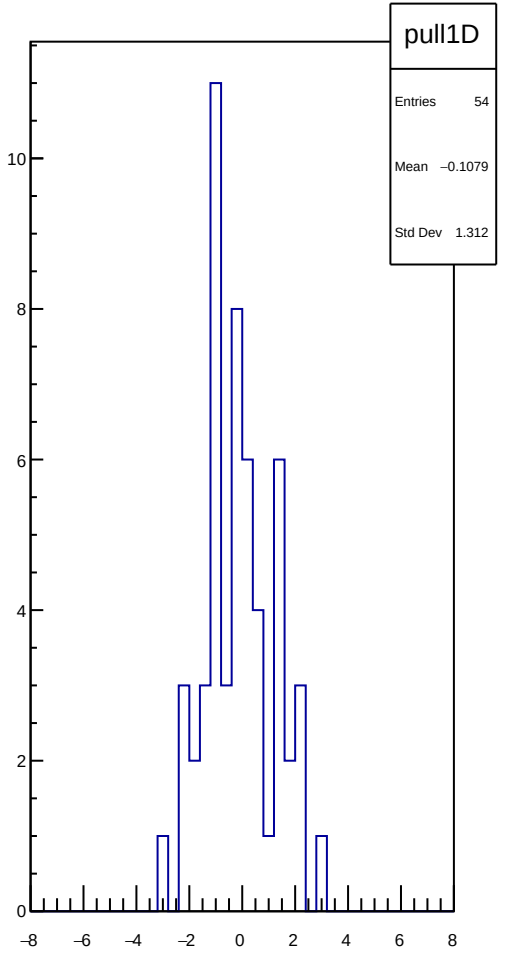

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2549 / 53
p0 1114 ± 1.103
1300
1250
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

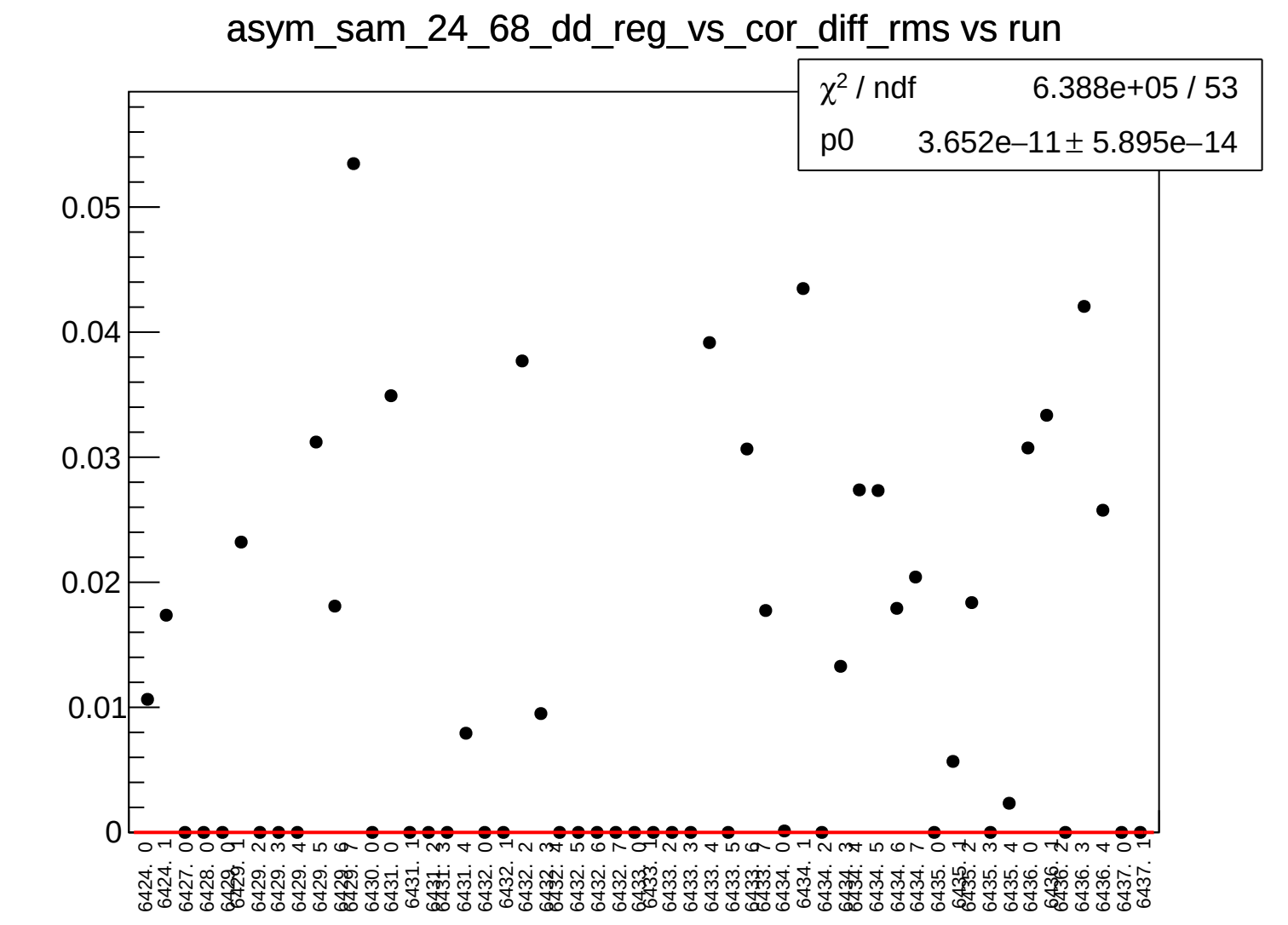

asym_sam_24_68_dd_mean vs run
χ² / ndf 85.51 / 53
p0 −1566 ± 1570
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 29.13
Std Dev 0
3
2
1
0
−1
−2
−3

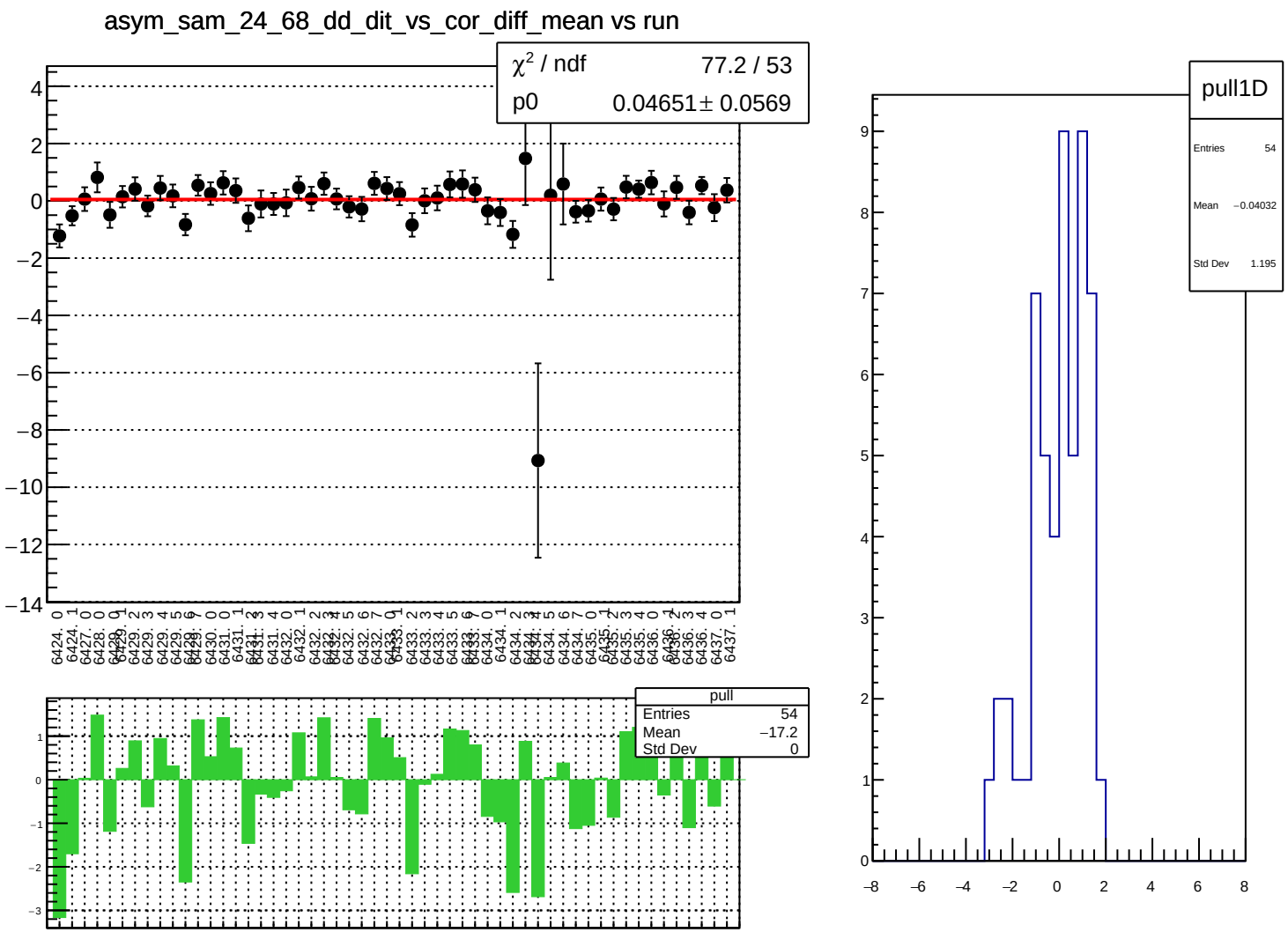

pull1D
Entries 54
Mean −0.02003
Std Dev 1.258
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

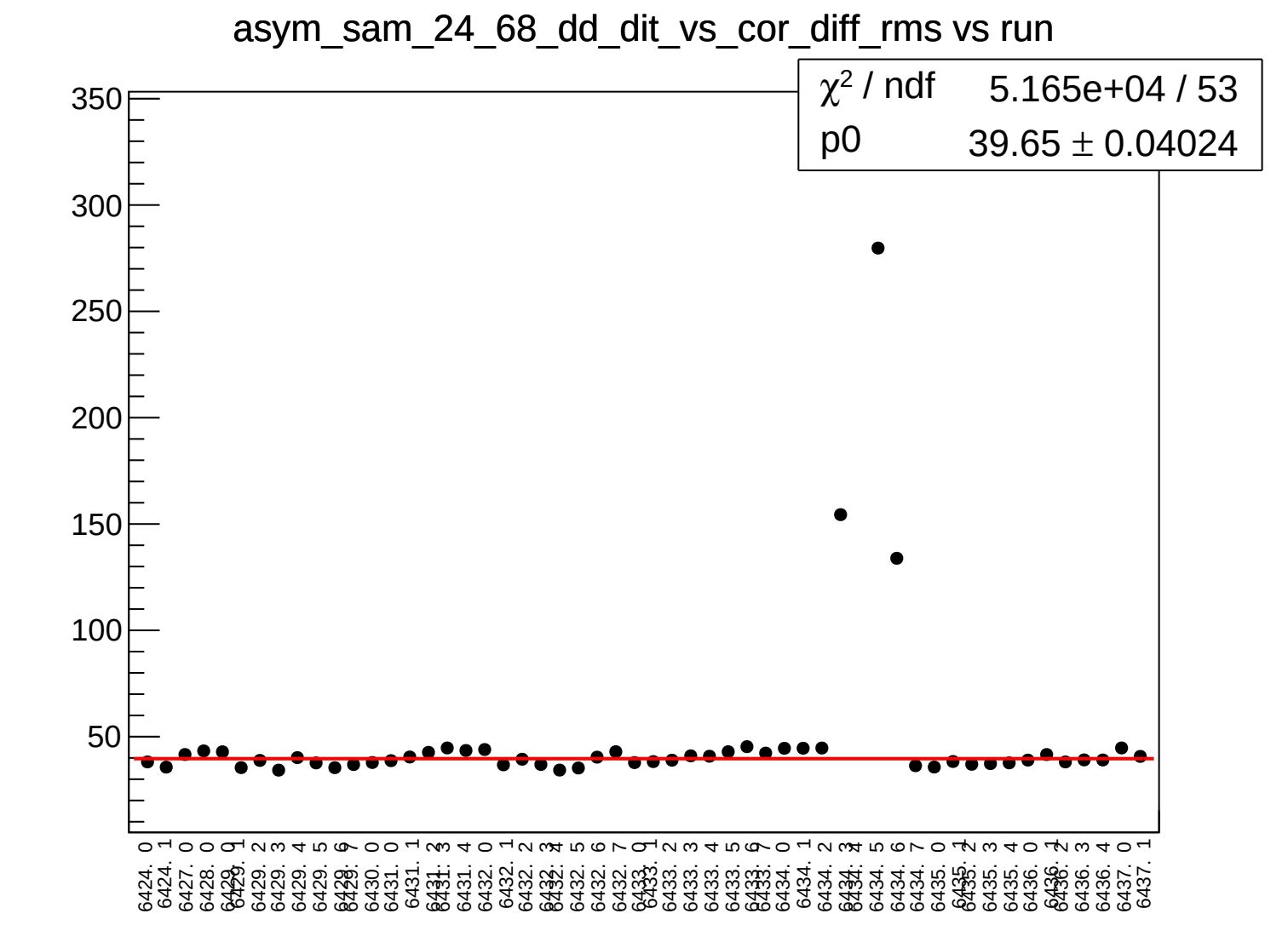

asym_sam_24_68_dd_rms vs run
χ² / ndf 4387 / 53
p0 1120 ± 1.11
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

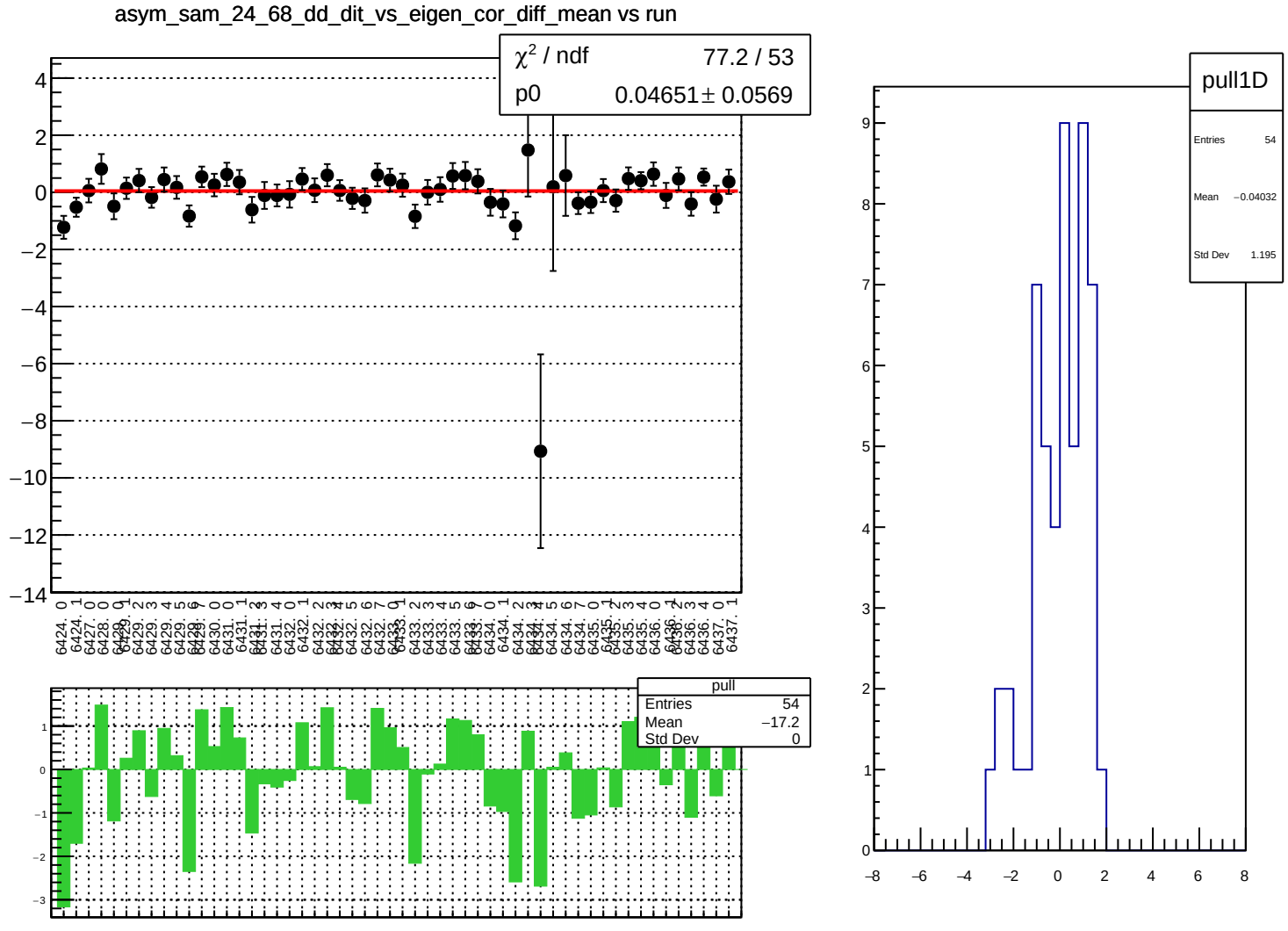

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.58 / 53
p0 1.059e−13 ± 8.337e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 36.69
Std Dev 34.9
3
2
1
0
−1
−2
−3

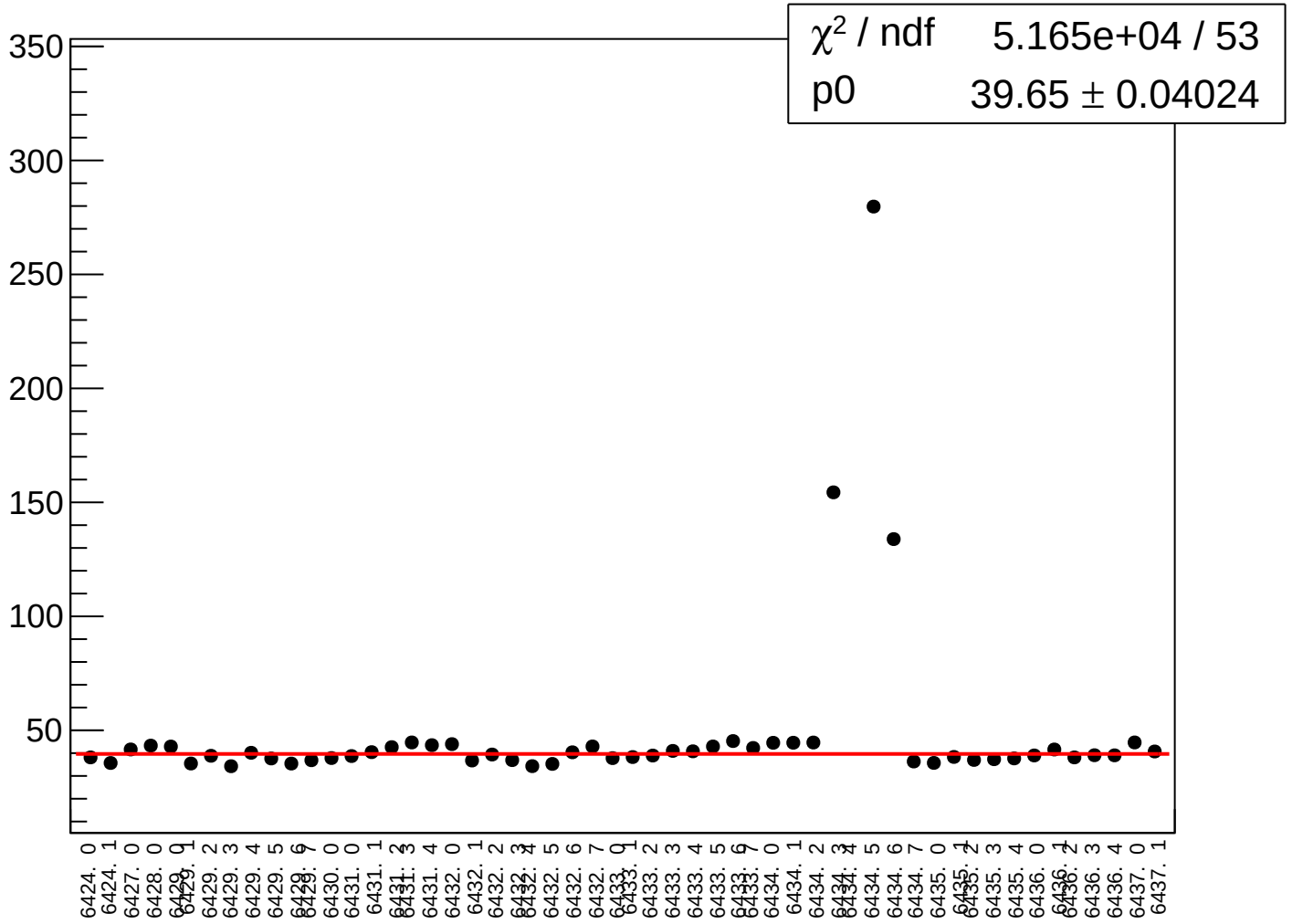

pull1D
Entries 54
Mean −0.1079
Std Dev 1.312
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

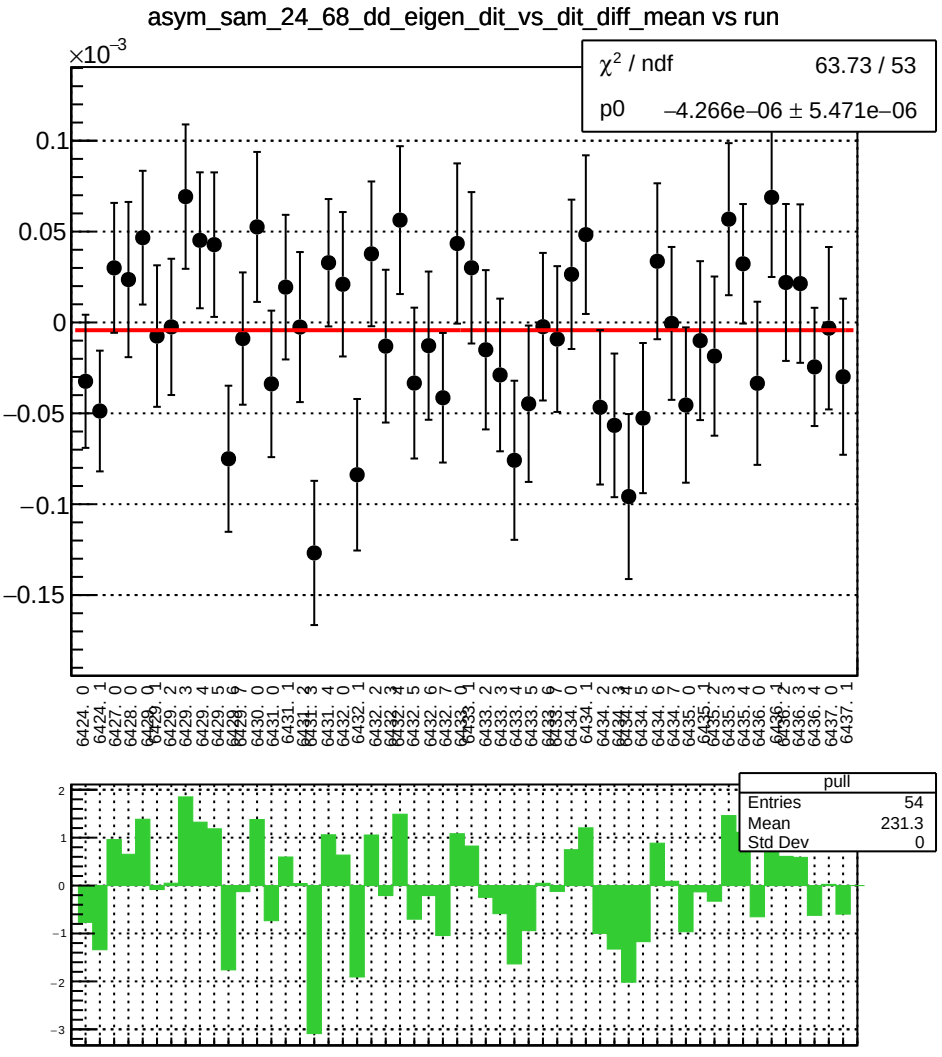

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.388e+05 / 53
p0 3.652e−11 ± 5.895e−14
0.05
0.04
0.03
0.02
0.01
0

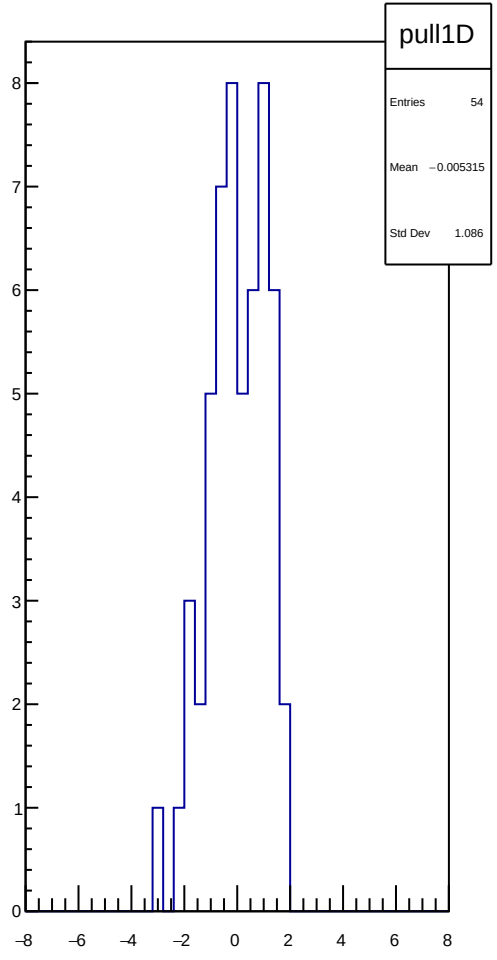

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.2 / 53
p0 0.04651 ± 0.0569
pull
Entries 54
Mean −17.2
Std Dev 0
pull1D
Entries 54
Mean −0.04032
Std Dev 1.195

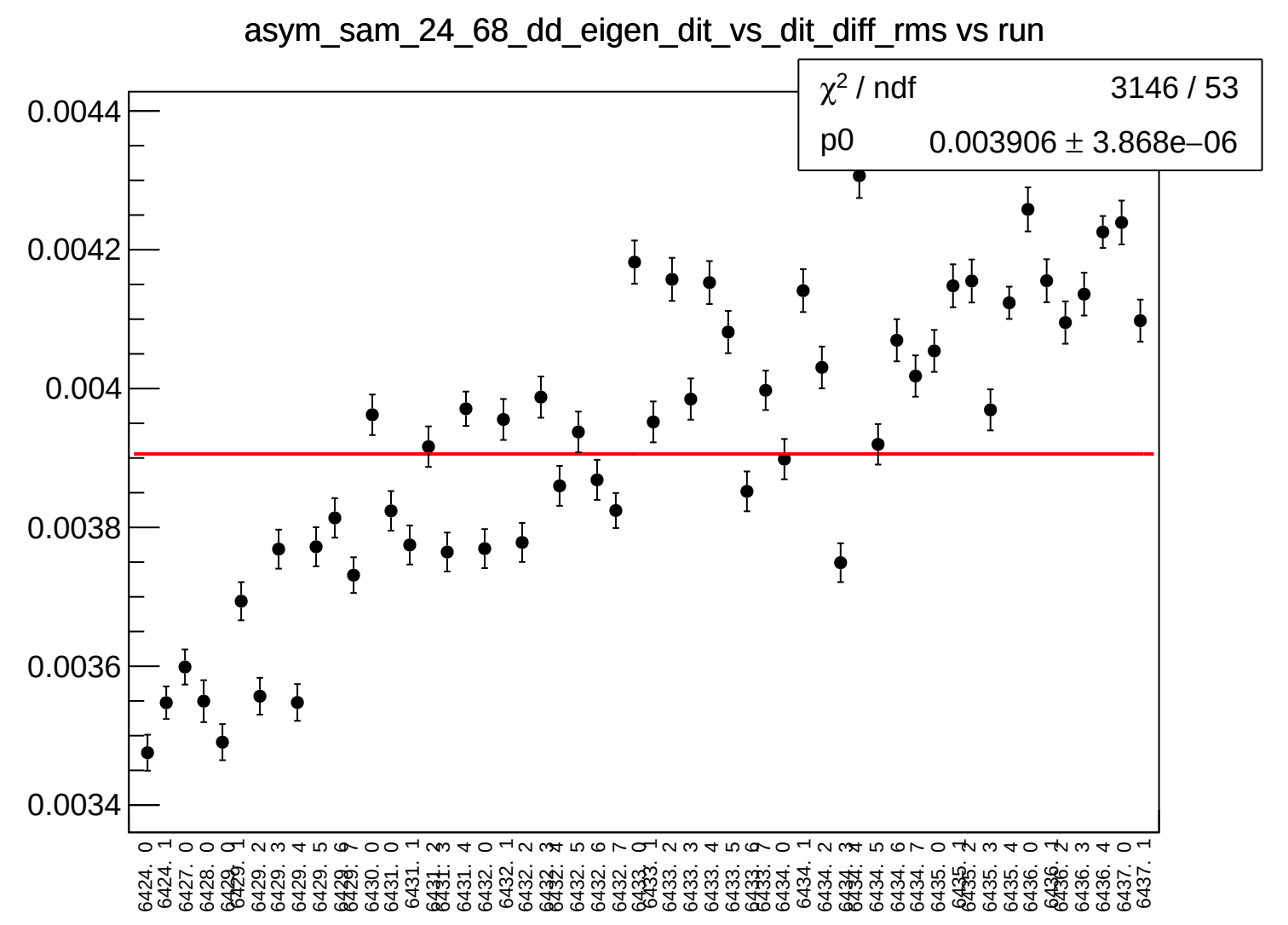

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.165e+04 / 53
p0 39.65 ± 0.04024
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

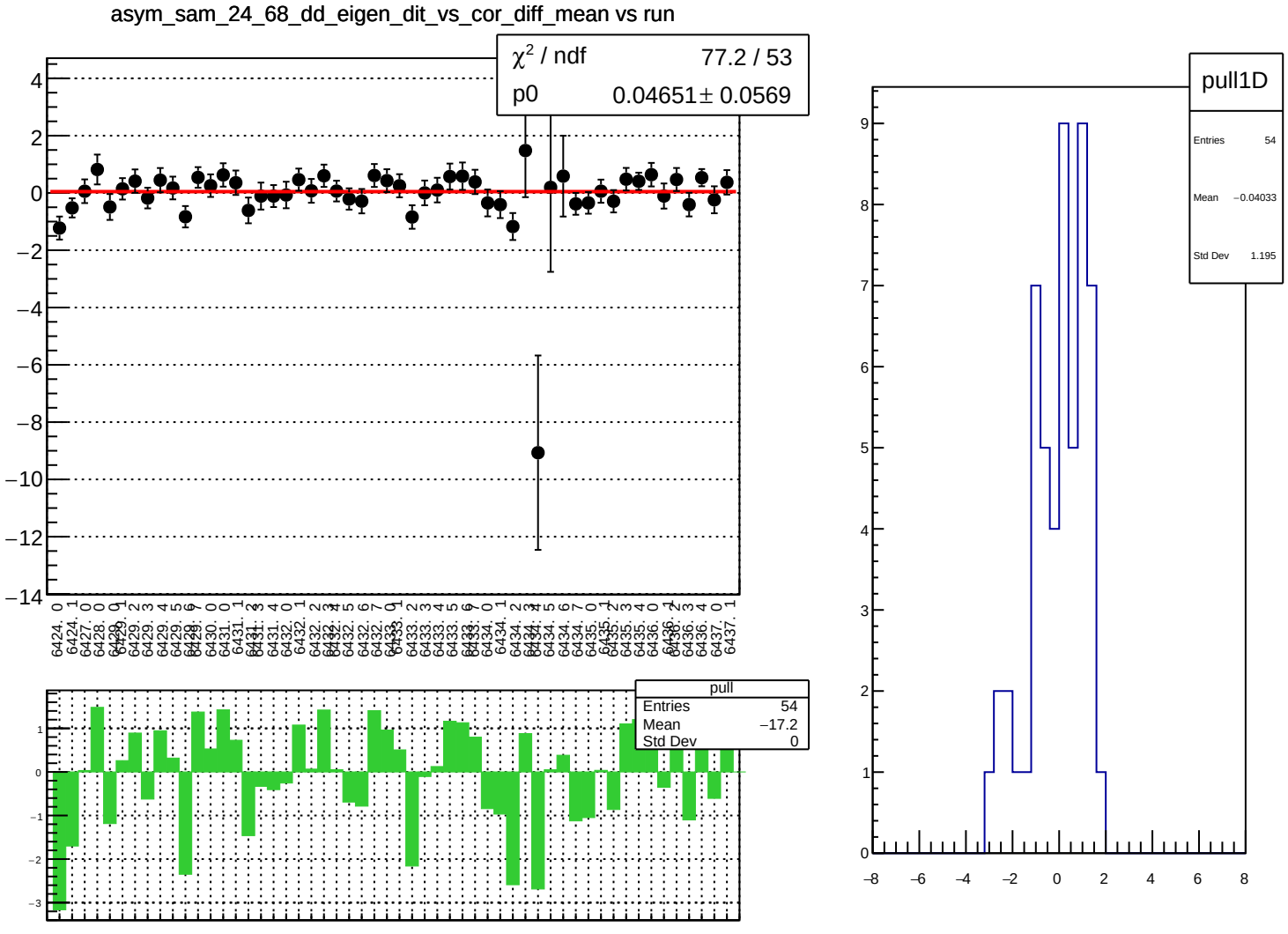

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.2 / 53
p0 0.04651 ± 0.0569
pull
Entries 54
Mean −17.2
Std Dev 0
pull1D
Entries 54
Mean −0.04032
Std Dev 1.195

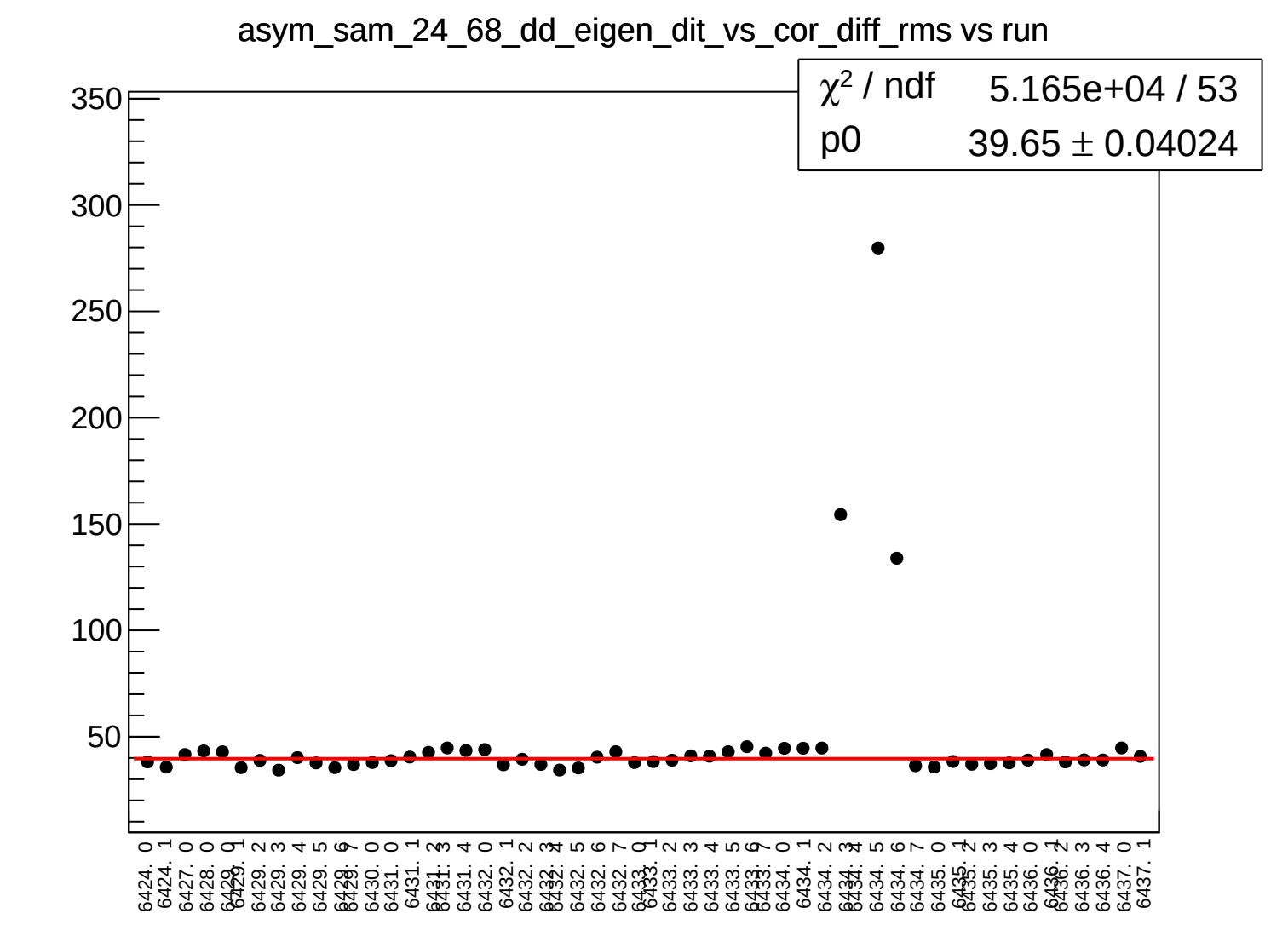

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.165e+04 / 53
p0 39.65 ± 0.04024
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.73 / 53
p0 −4.266e−06 ± 5.471e−06
pull
Entries 54
Mean 231.3
Std Dev 0


pull1D
Entries 54
Mean −0.005315
Std Dev 1.086


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3146 / 53
p0 0.003906 ± 3.868e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.2 / 53
p0 0.04651 ± 0.0569
pull
Entries 54
Mean −17.2
Std Dev 0
pull1D
Entries 54
Mean −0.04033
Std Dev 1.195


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.165e+04 / 53
p0 39.65 ± 0.04024
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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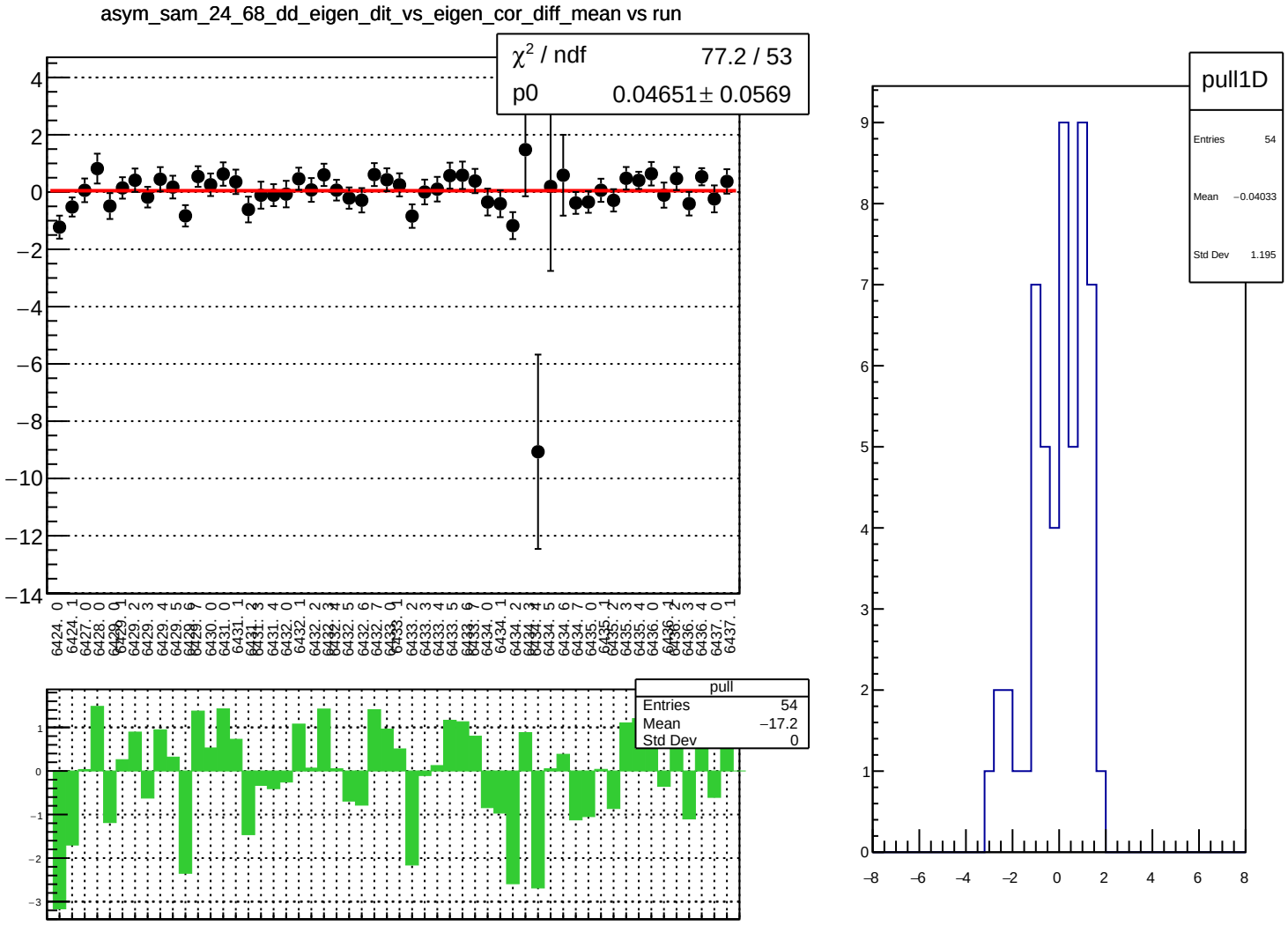
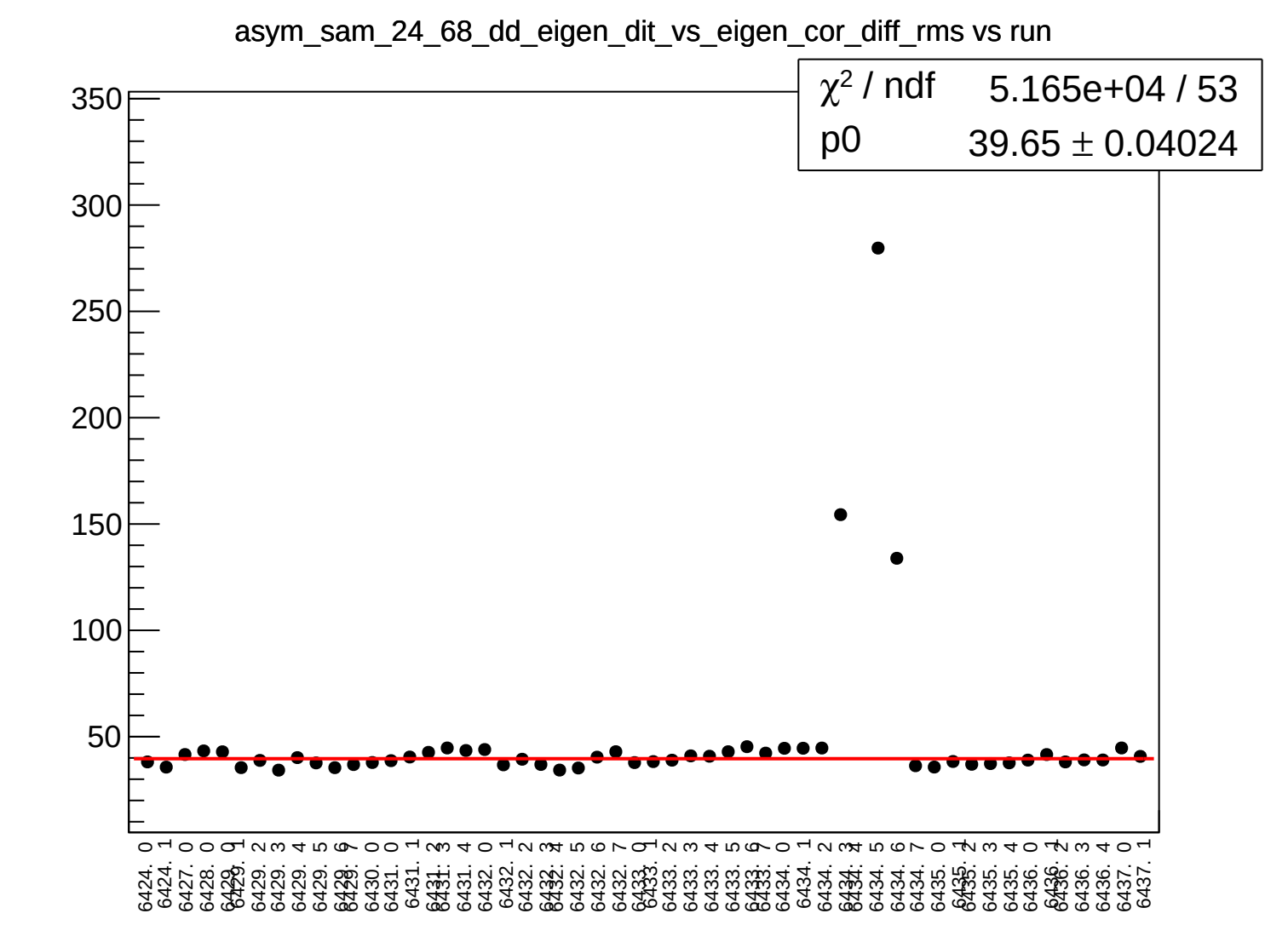
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.2 / 53
p0 0.04651 ± 0.0569
pull
Entries 54
Mean −17.2
Std Dev 0
pull1D
Entries 54
Mean −0.04033
Std Dev 1.195


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.165e+04 / 53
p0 39.65 ± 0.04024
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
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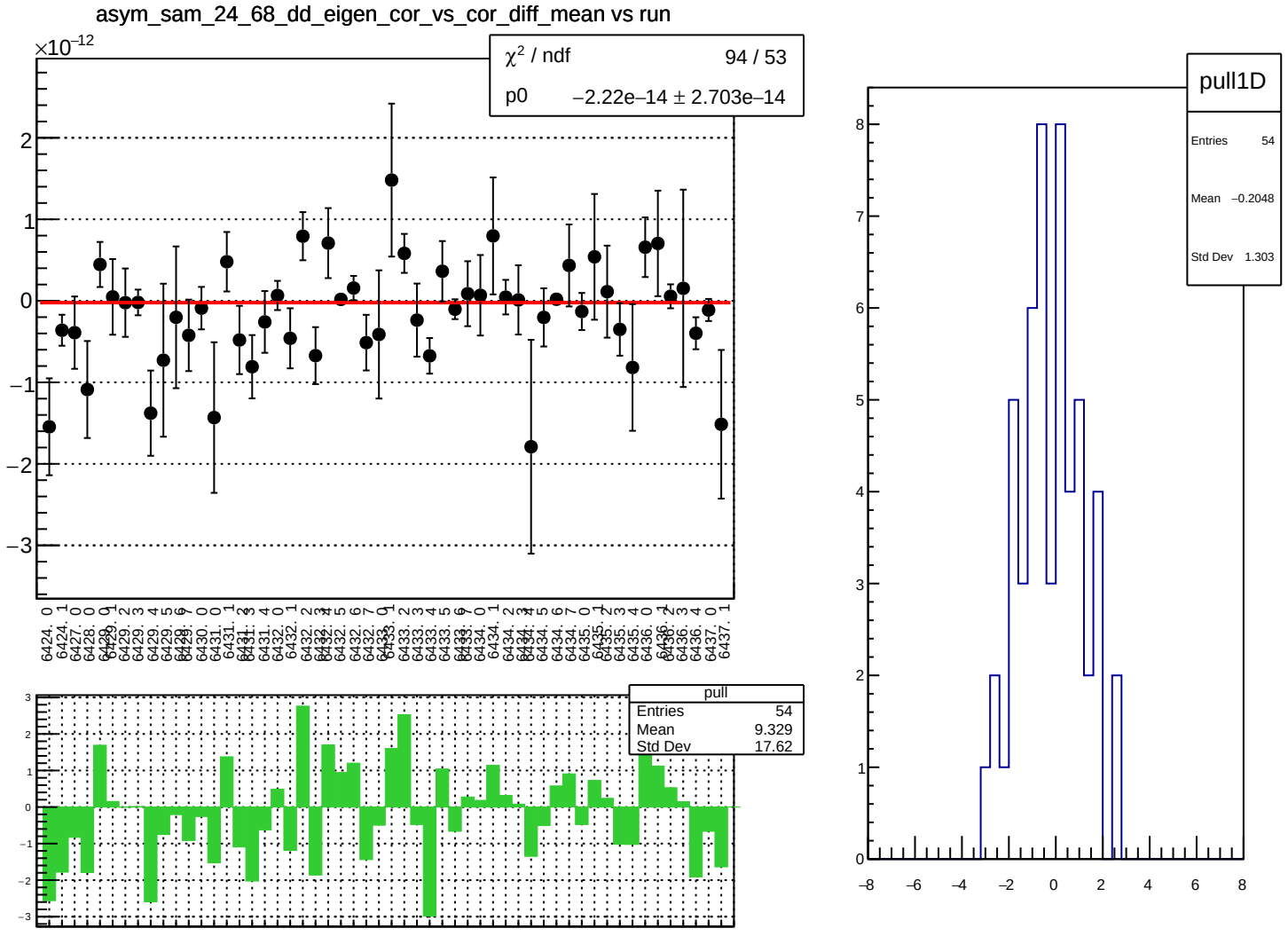
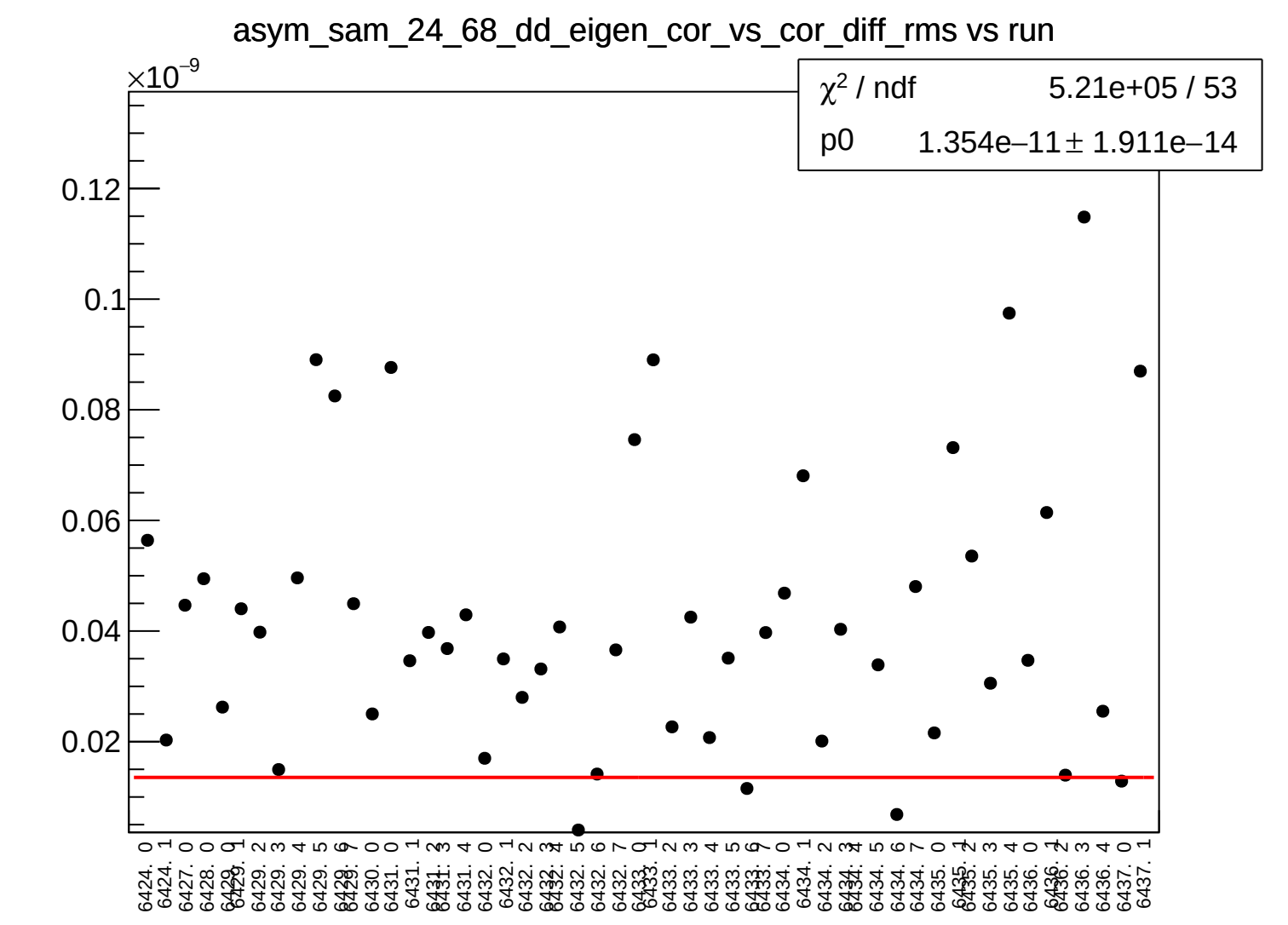
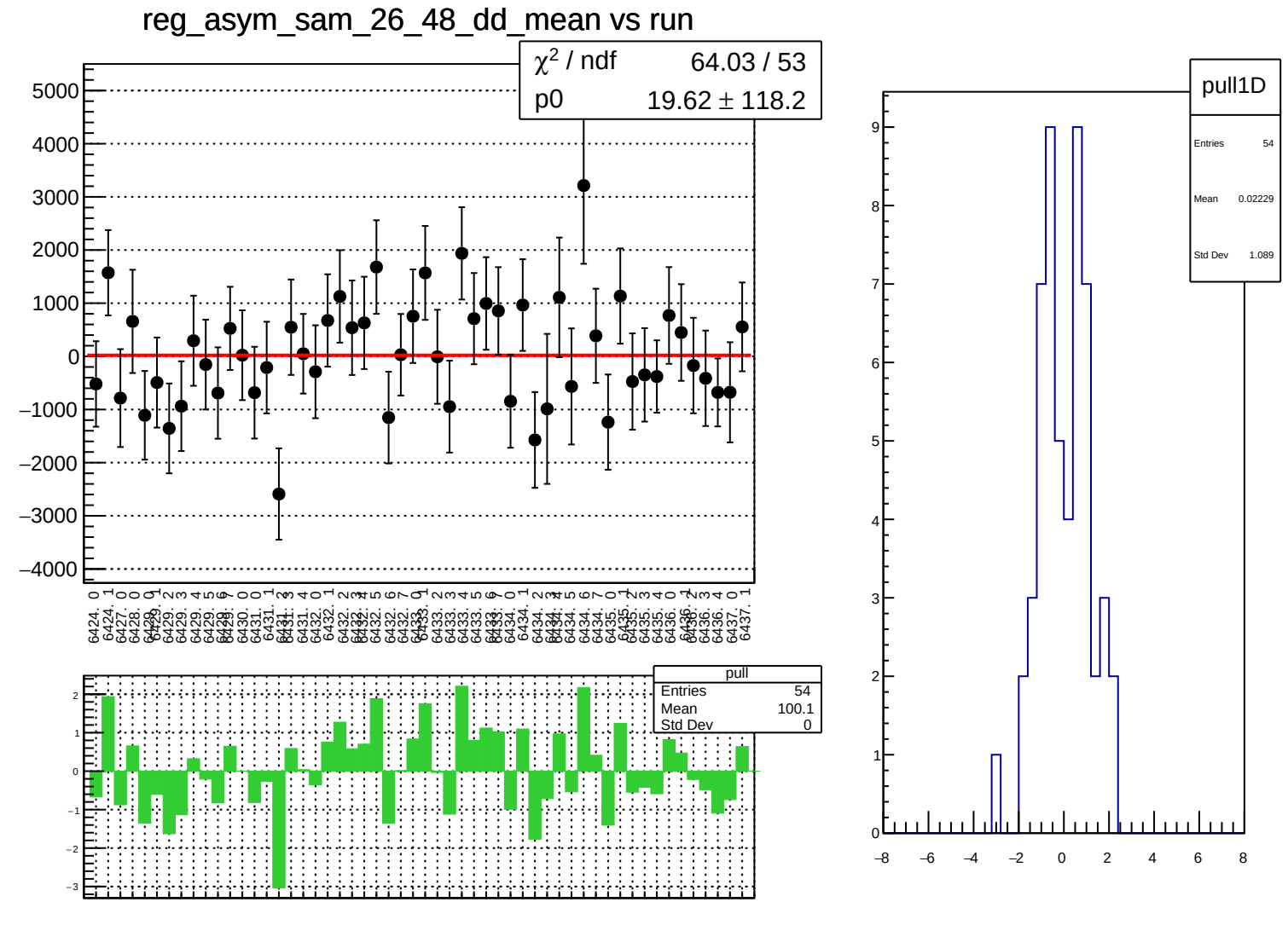
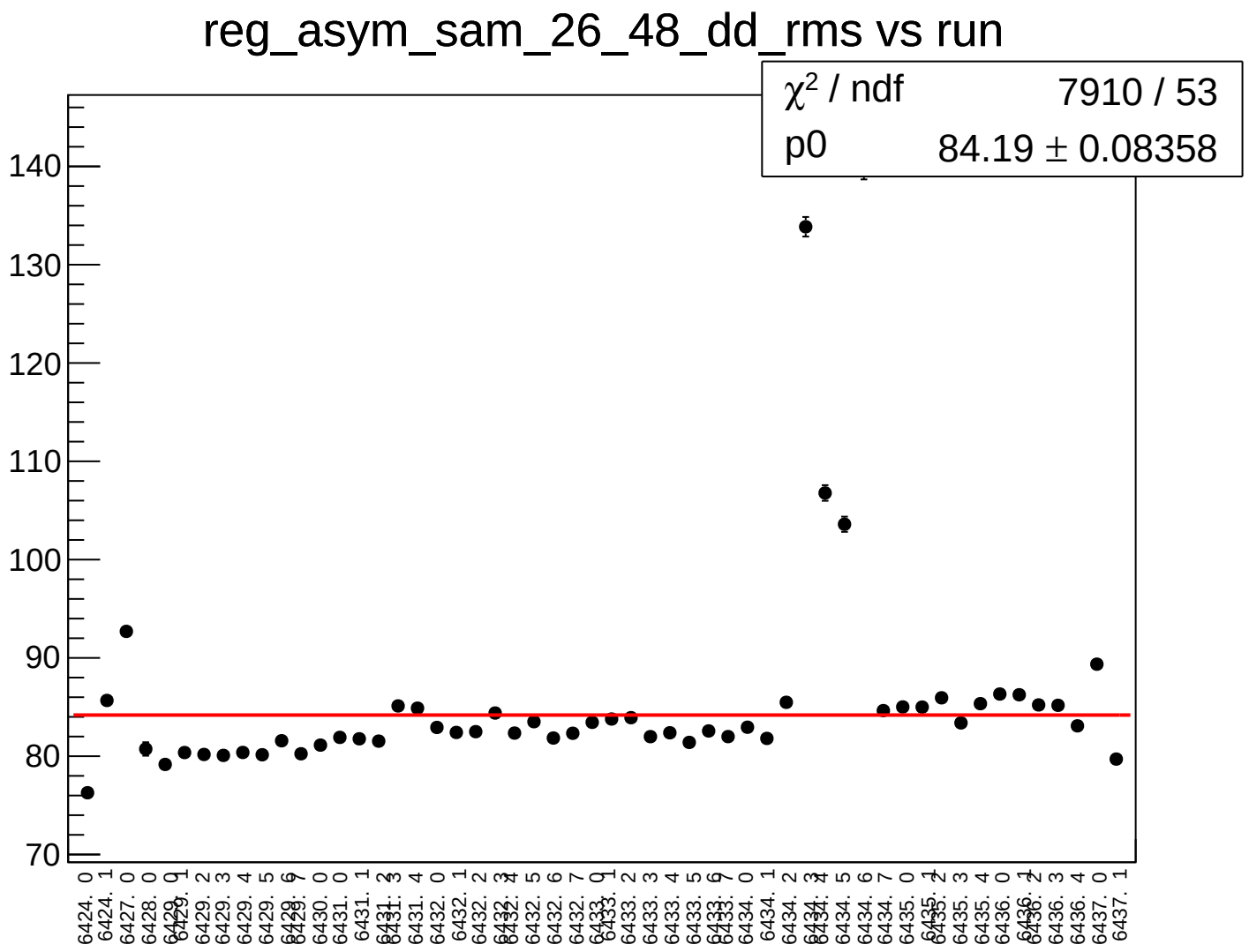
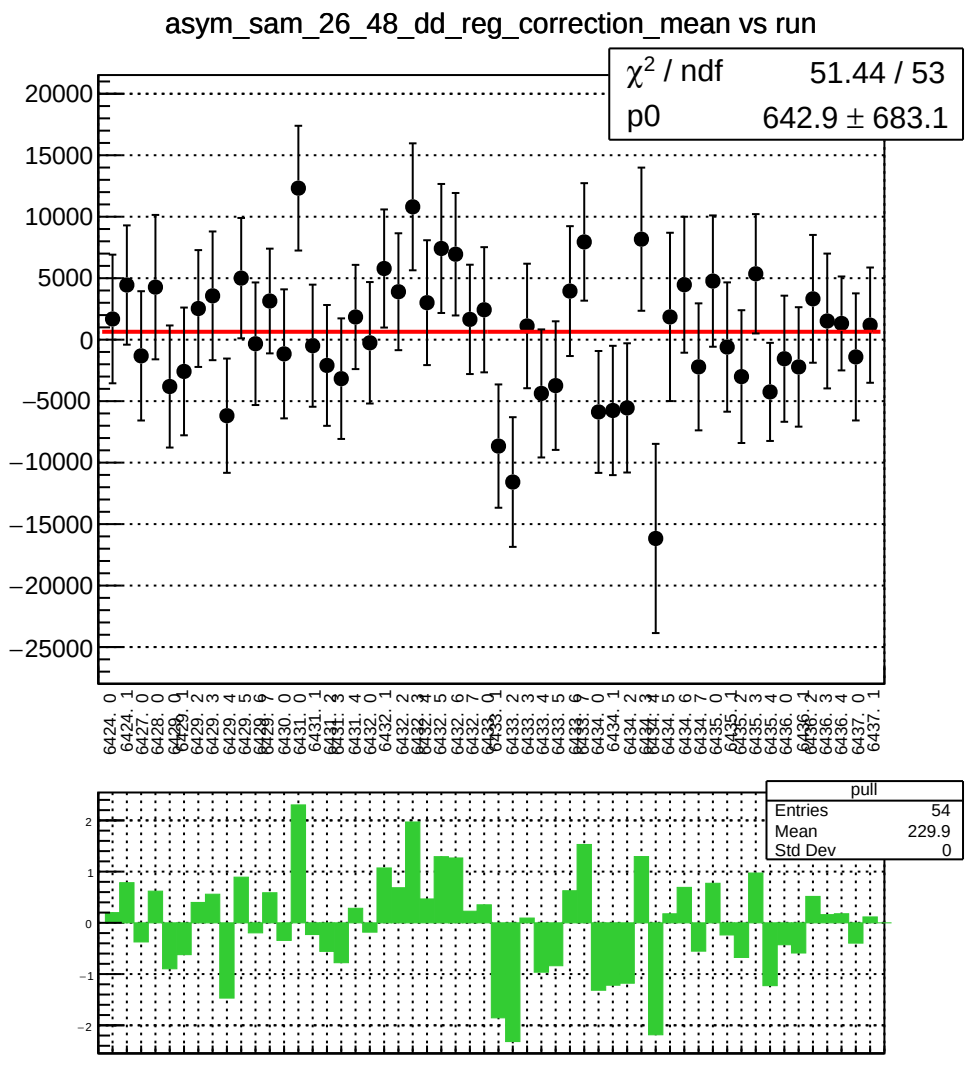
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

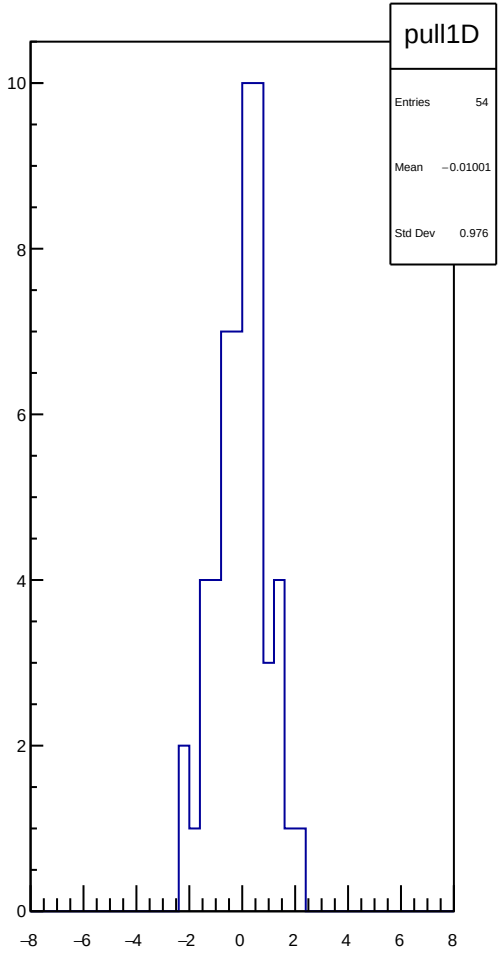

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94 / 53
p0 −2.22e−14 ± 2.703e−14
pull
Entries 54
Mean 9.329
Std Dev 17.62
pull1D
Entries 54
Mean −0.2048
Std Dev 1.303

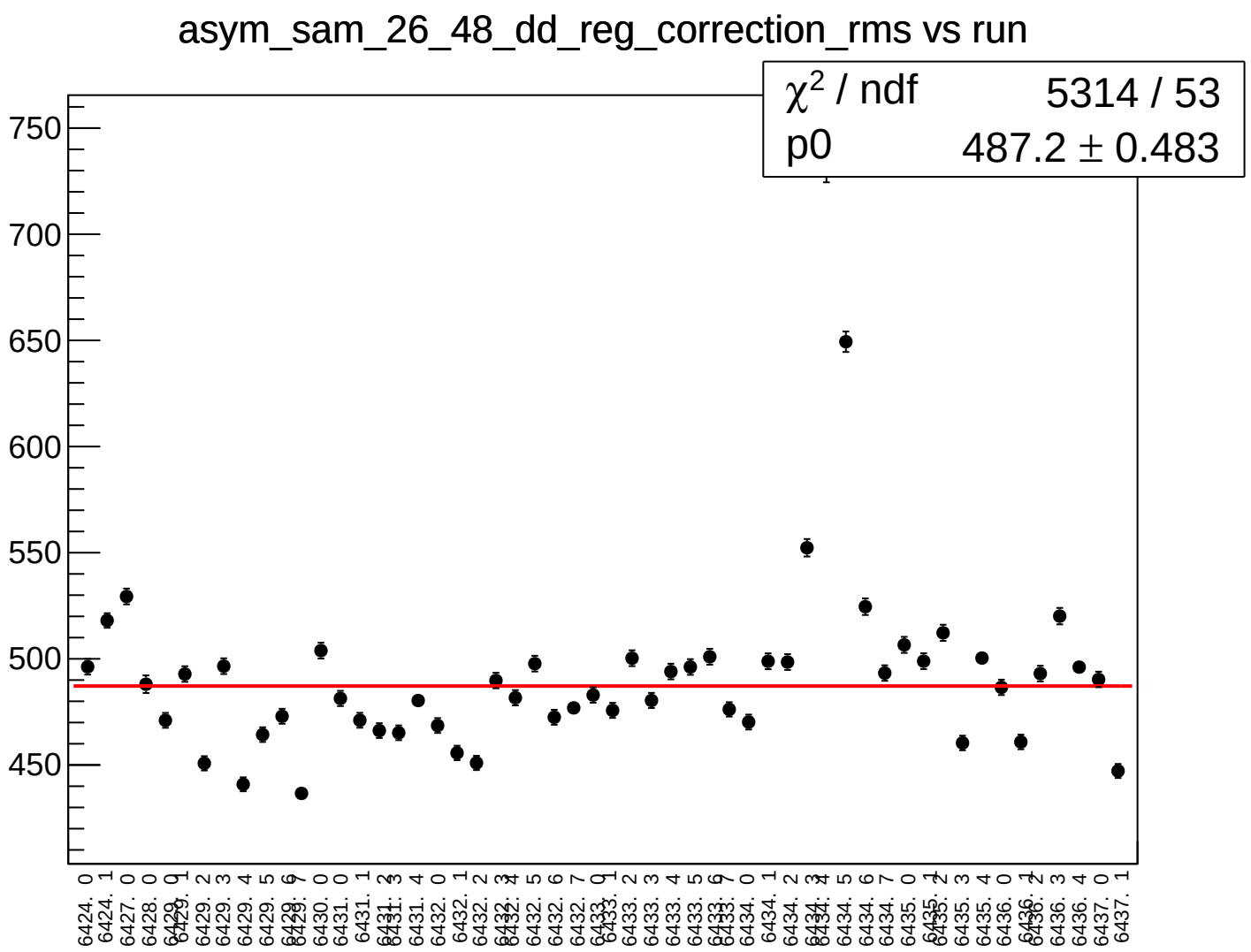

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.21e+05 / 53
p0 1.354e−11 ± 1.911e−14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.03 / 53
p0 19.62 ± 118.2
pull
Entries 54
Mean 100.1
Std Dev 0
pull1D
Entries 54
Mean 0.02229
Std Dev 1.089


reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 7910 / 53
p0 84.19 ± 0.08358
140
130
120
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 51.44 / 53
p0 642.9 ± 683.1
pull
Entries 54
Mean 229.9
Std Dev 0


pull1D
Entries 54
Mean −0.01001
Std Dev 0.976


asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 5314 / 53
p0 487.2 ± 0.483
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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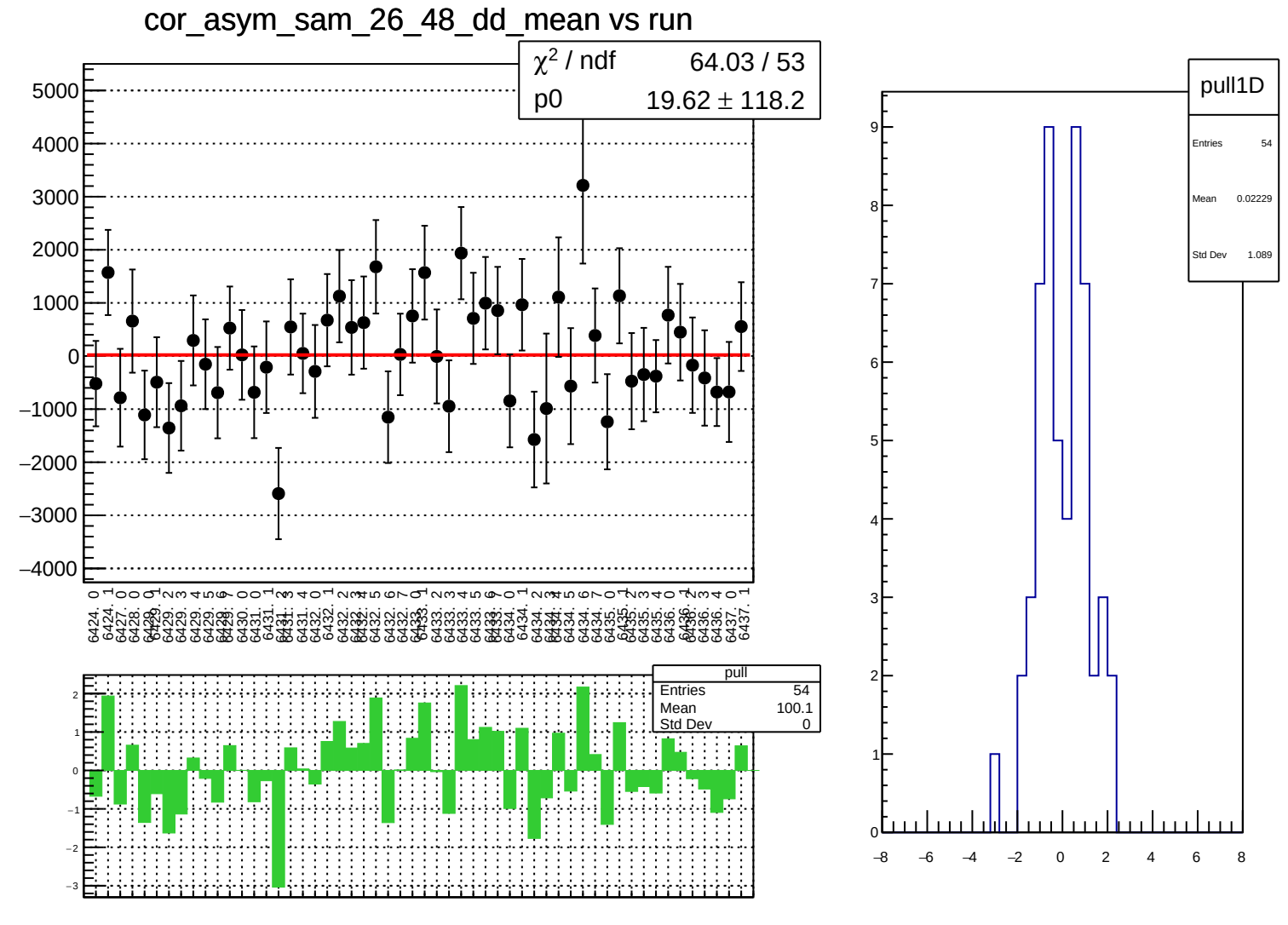
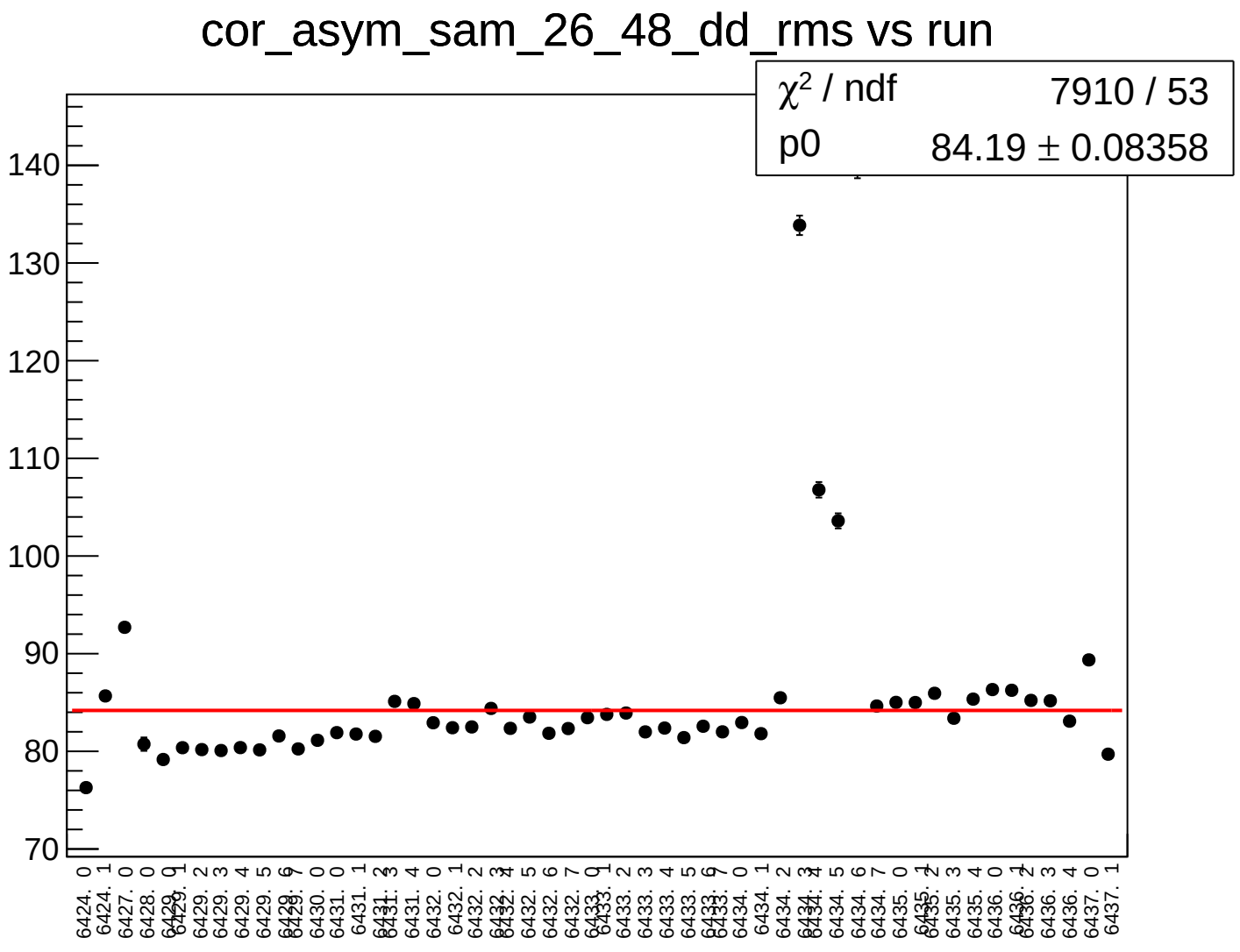
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.03 / 53
p0 19.62 ± 118.2
pull
Entries 54
Mean 100.1
Std Dev 0
pull1D
Entries 54
Mean 0.02229
Std Dev 1.089


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 7910 / 53
p0 84.19 ± 0.08358
140
130
120
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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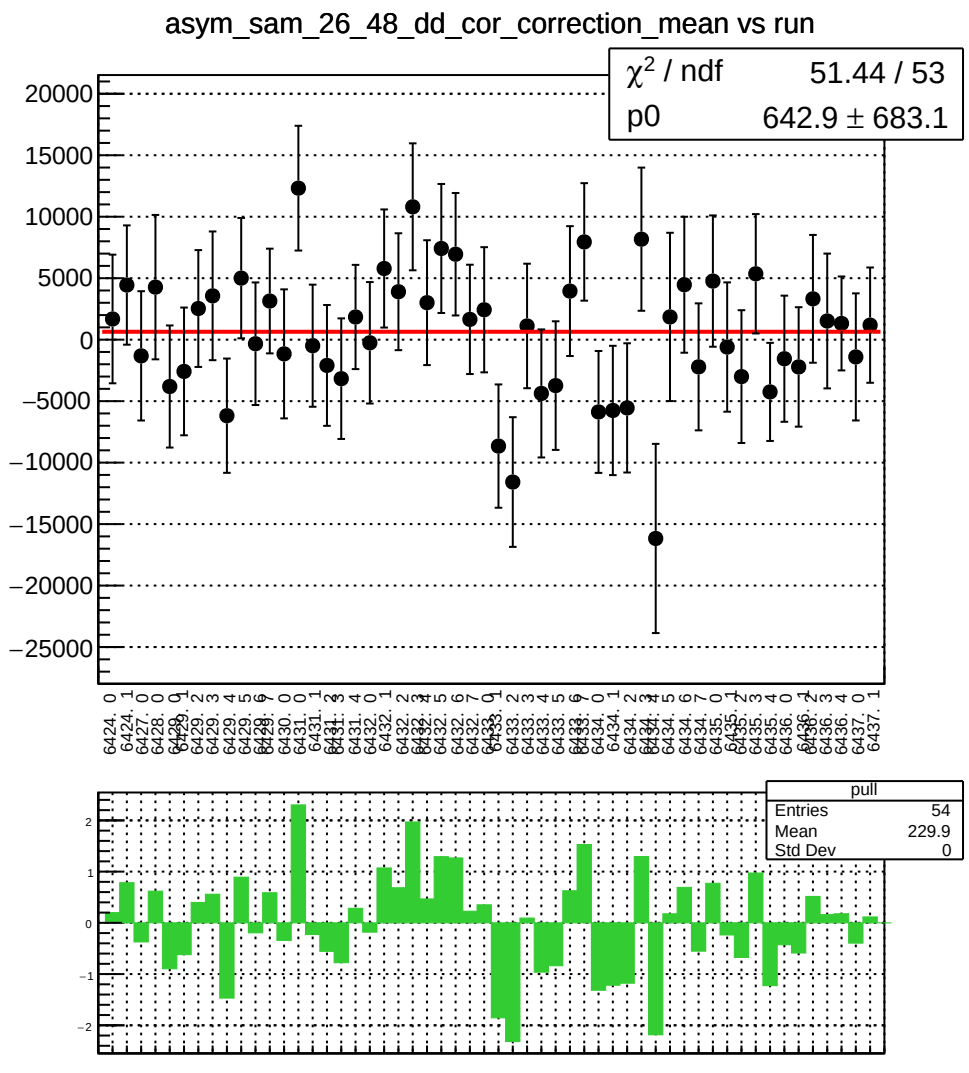
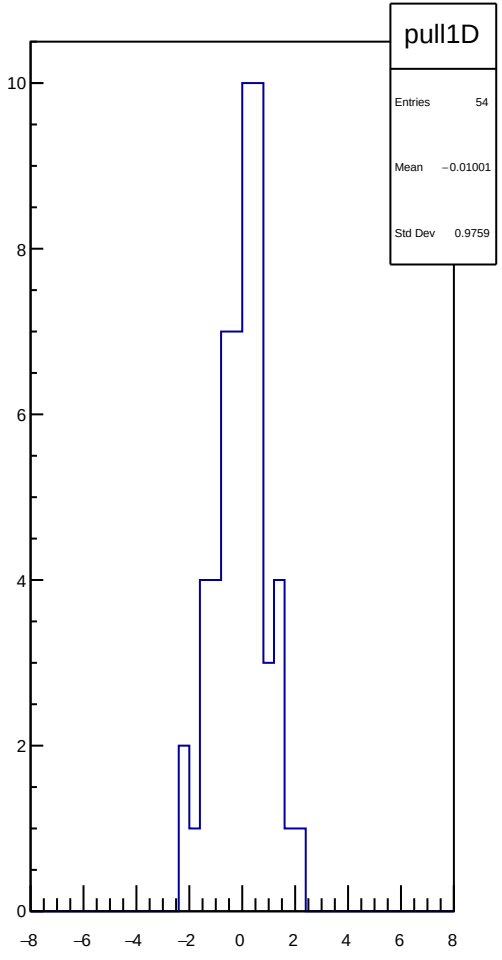
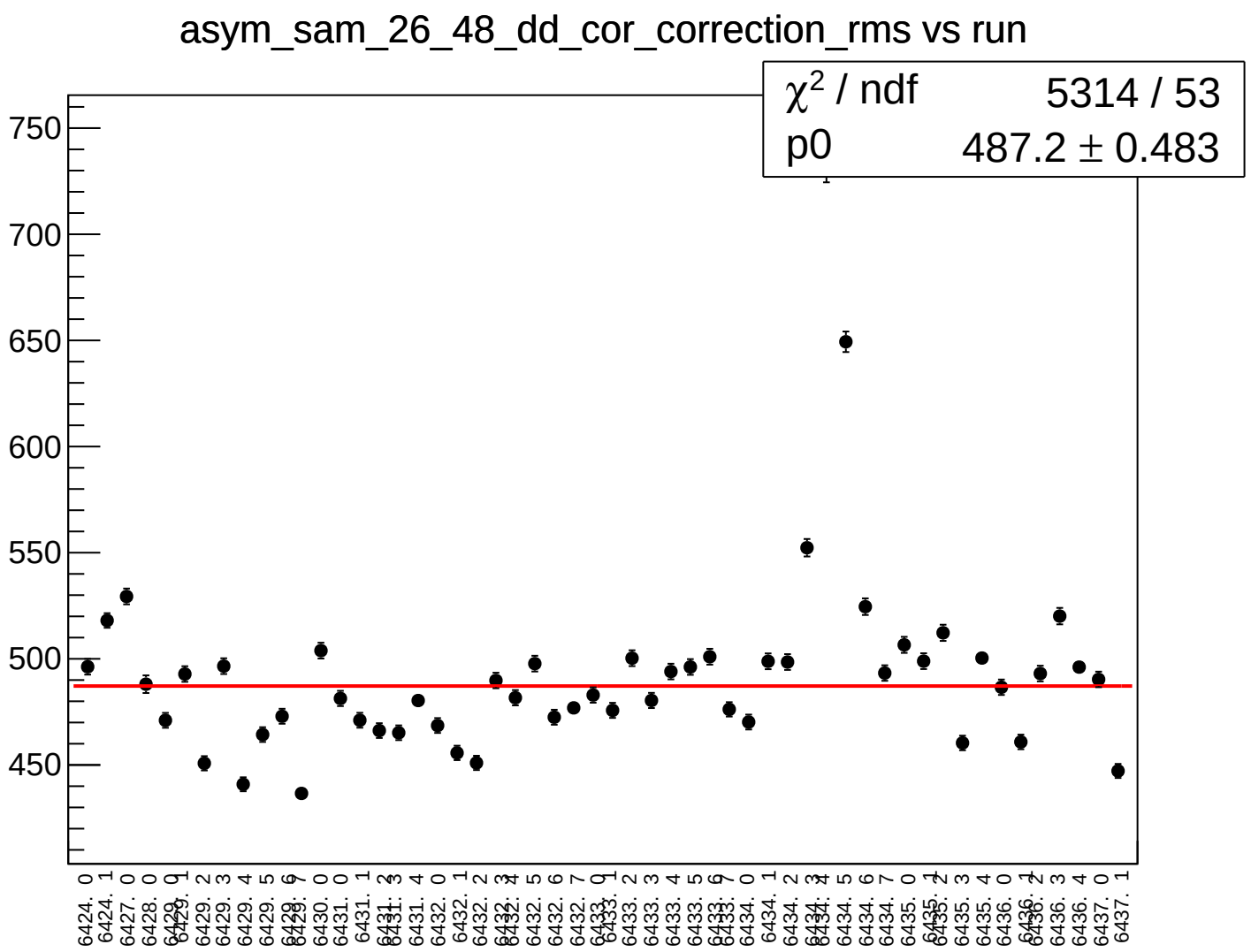
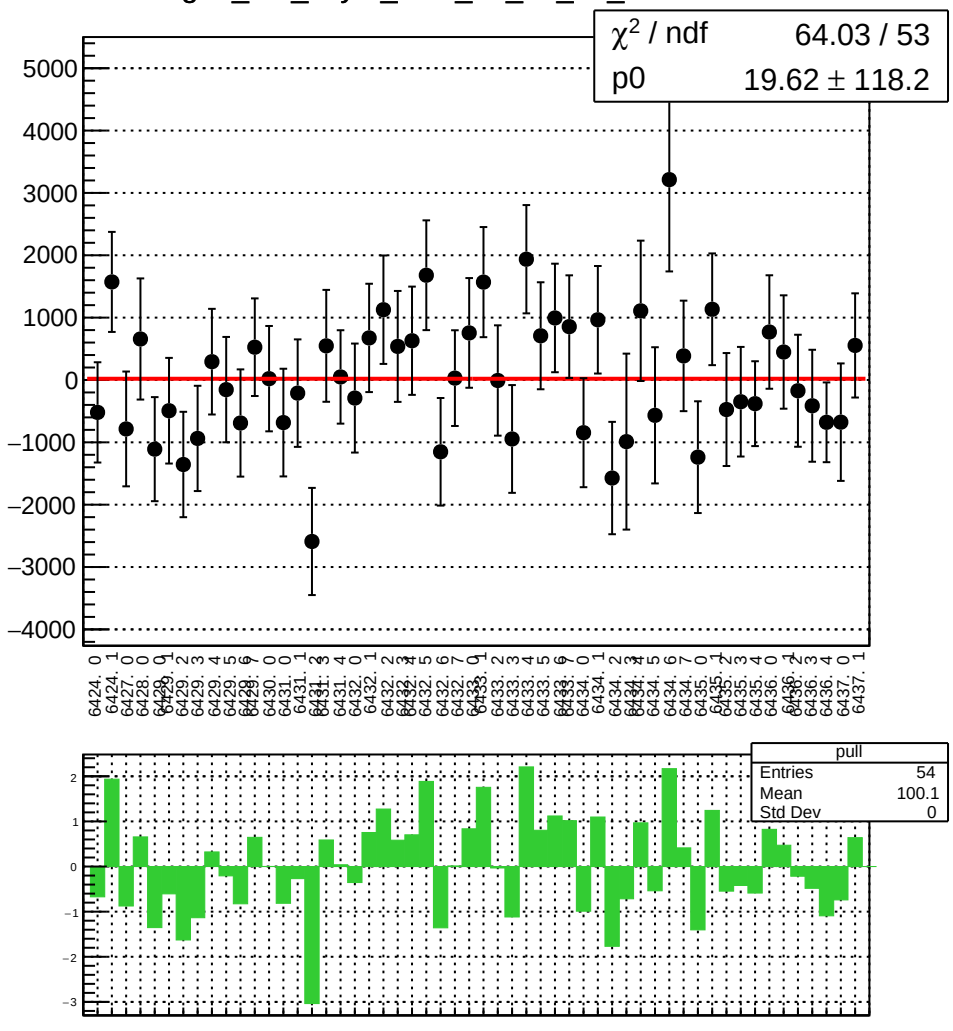
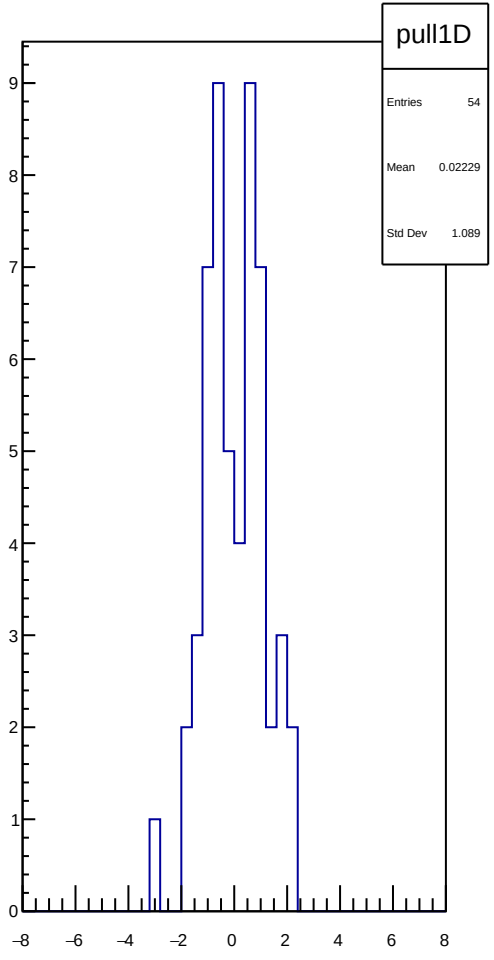
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

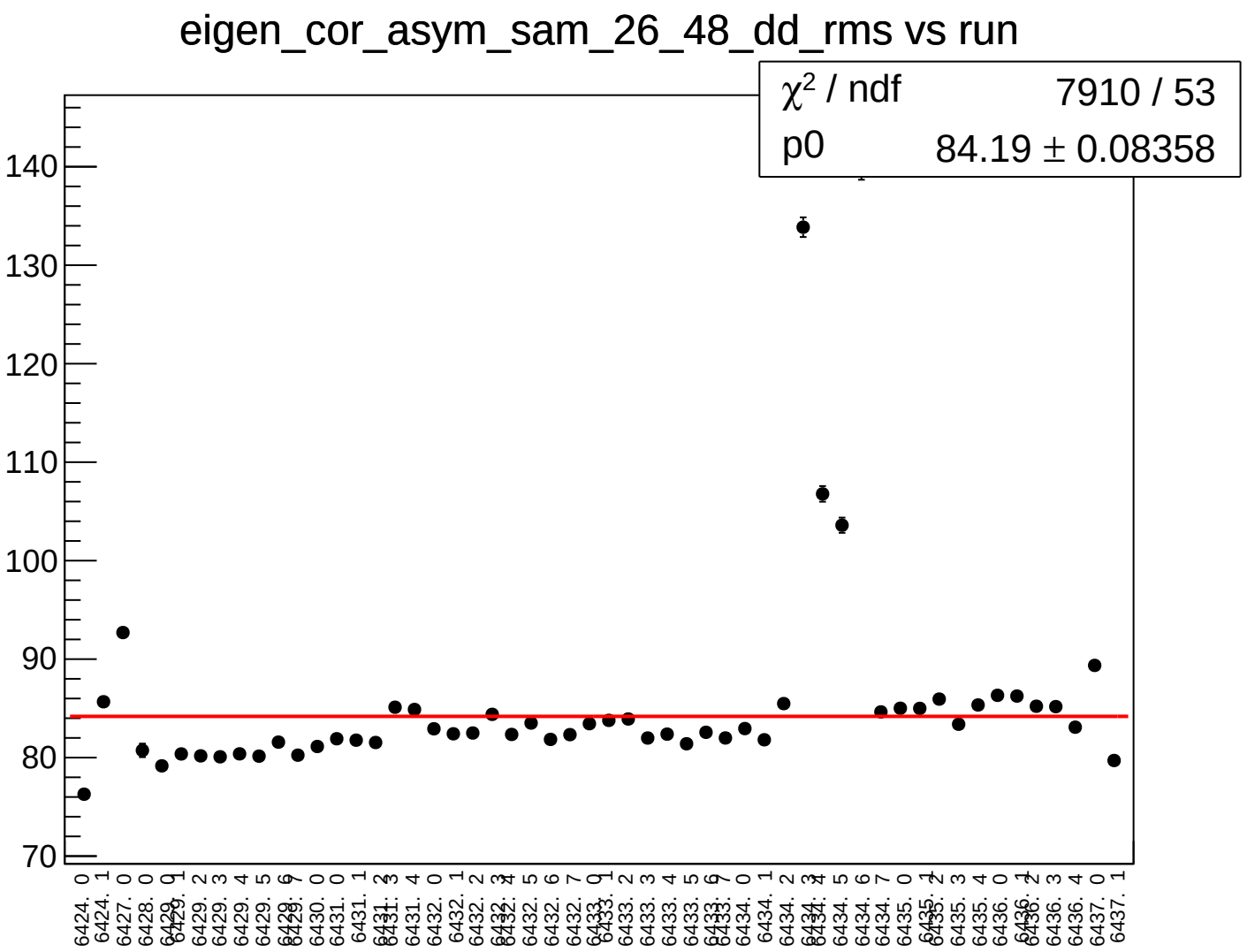

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 51.44 / 53
p0 642.9 ± 683.1
pull
Entries 54
Mean 229.9
Std Dev 0

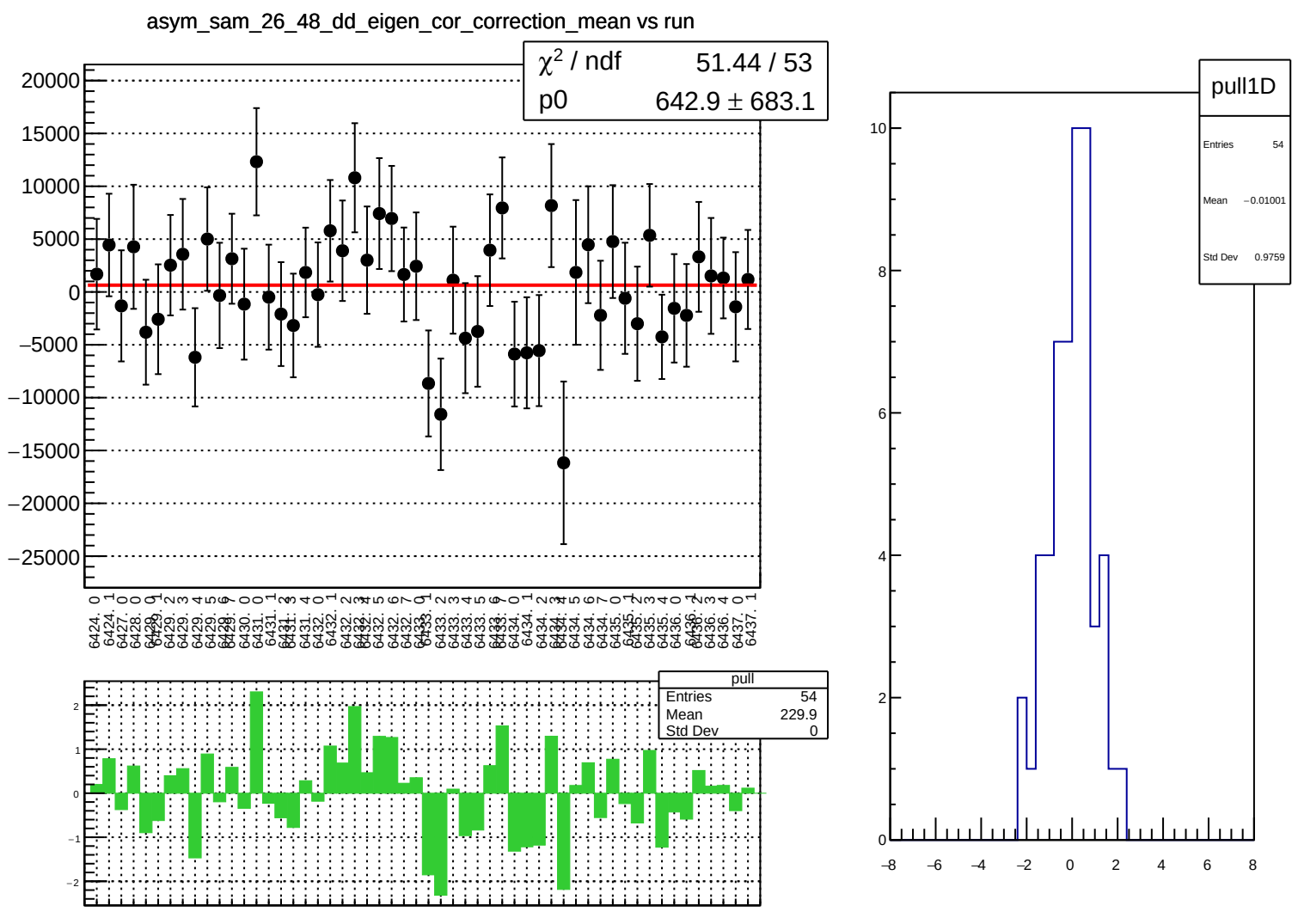

pull1D
Entries 54
Mean −0.01001
Std Dev 0.9759

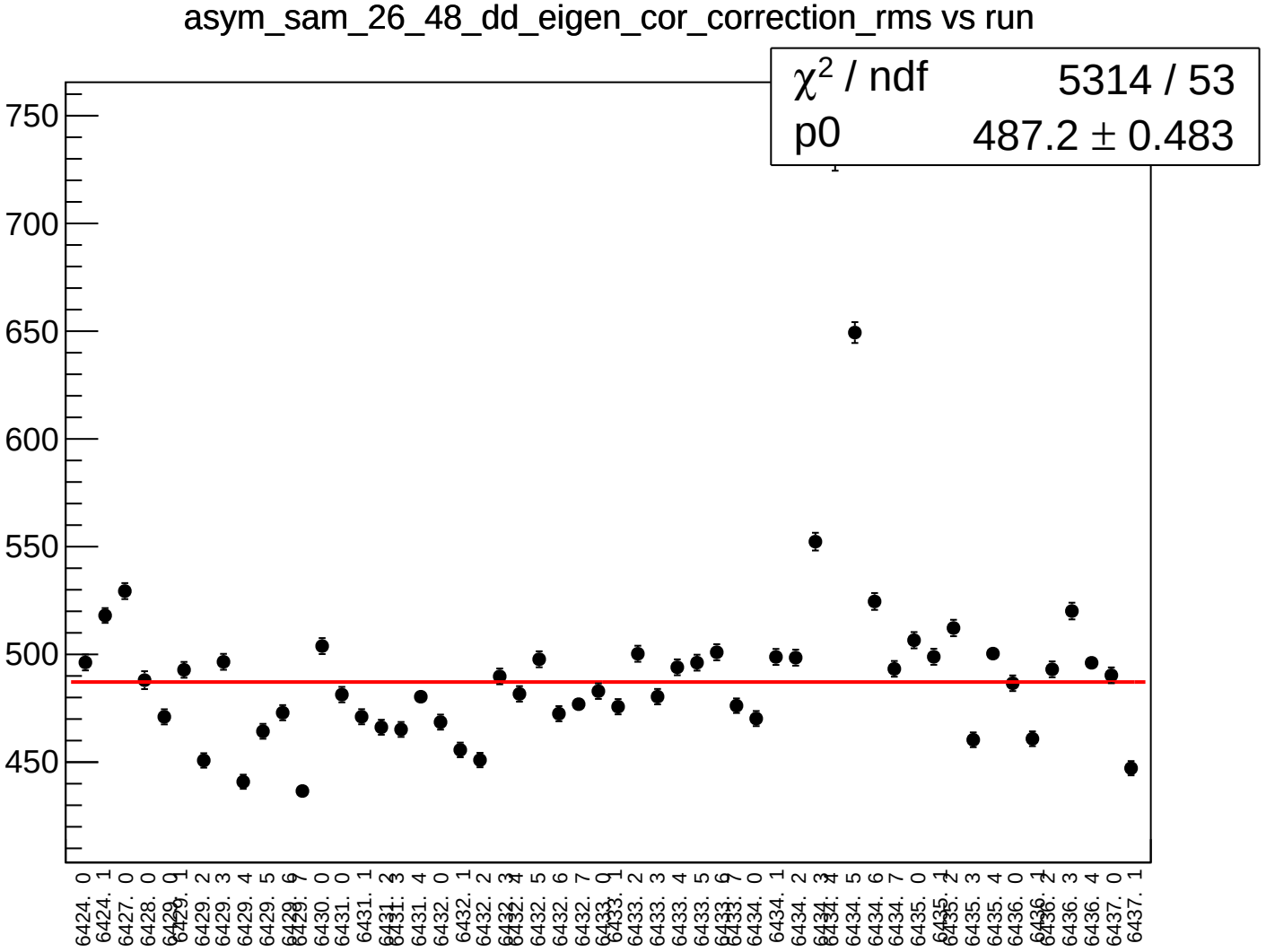

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 5314 / 53
p0 487.2 ± 0.483
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 64.03 / 53
p0 19.62 ± 118.2
pull
Entries 54
Mean 100.1
Std Dev 0


pull1D
Entries 54
Mean 0.02229
Std Dev 1.089


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 7910 / 53
p0 84.19 ± 0.08358
140
130
120
110
100
90
80
70
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 51.44 / 53
p0 642.9 ± 683.1
pull
Entries 54
Mean 229.9
Std Dev 0
pull1D
Entries 54
Mean −0.01001
Std Dev 0.9759


asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5314 / 53
p0 487.2 ± 0.483
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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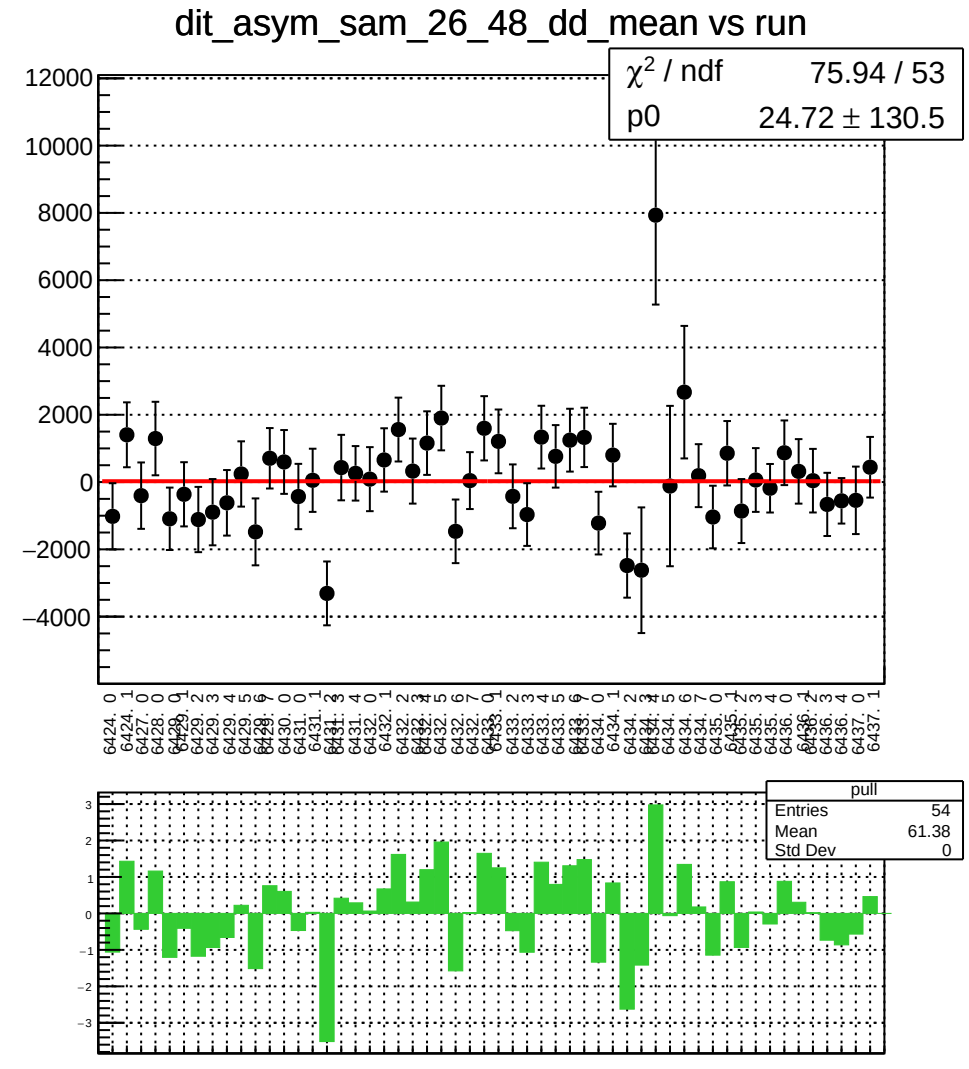
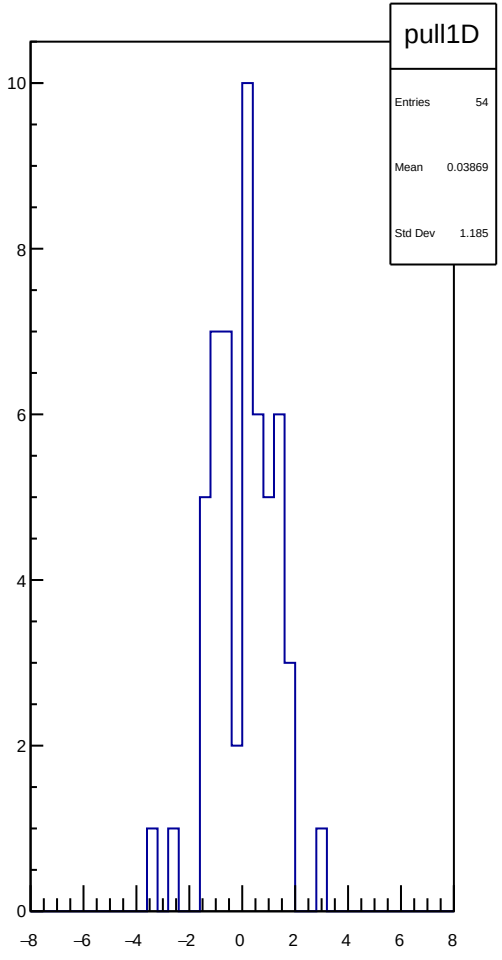
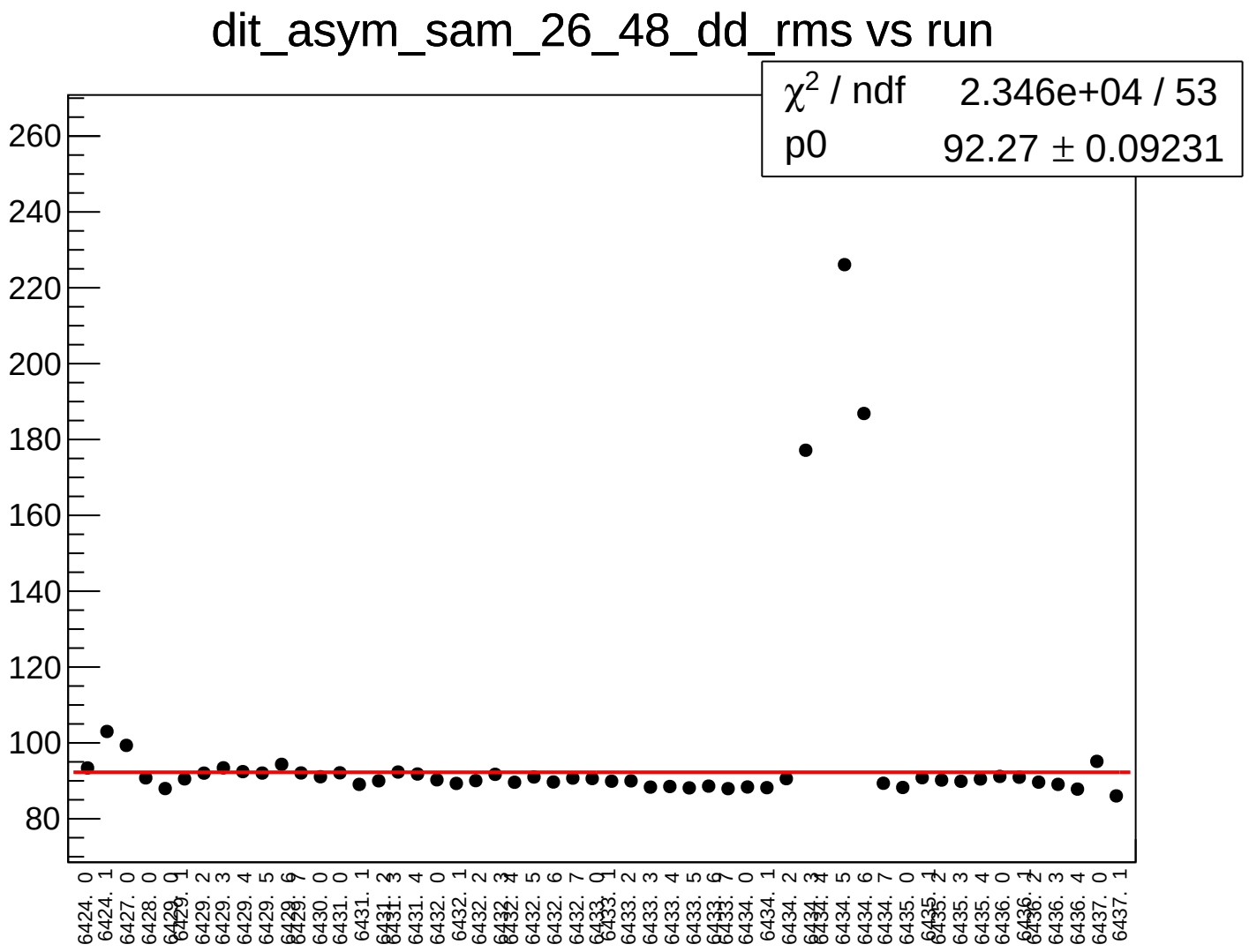
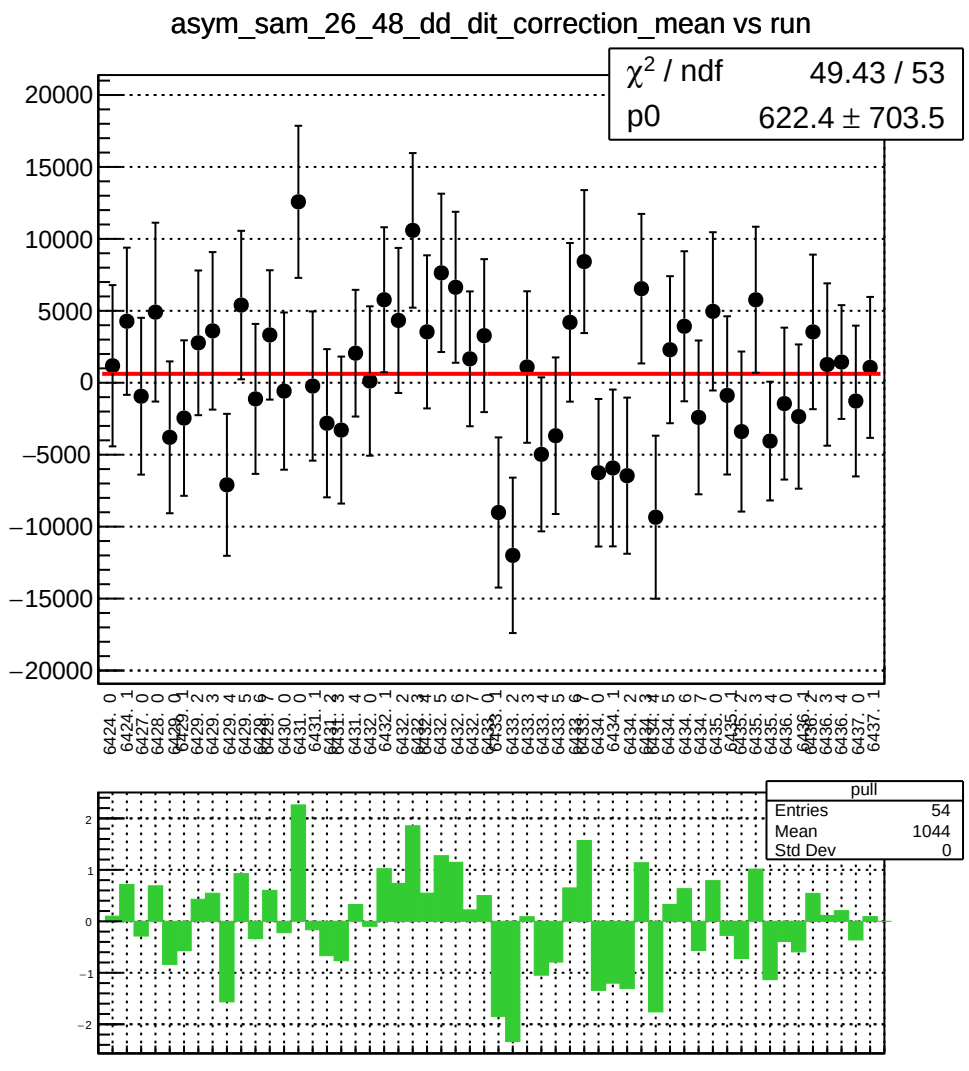
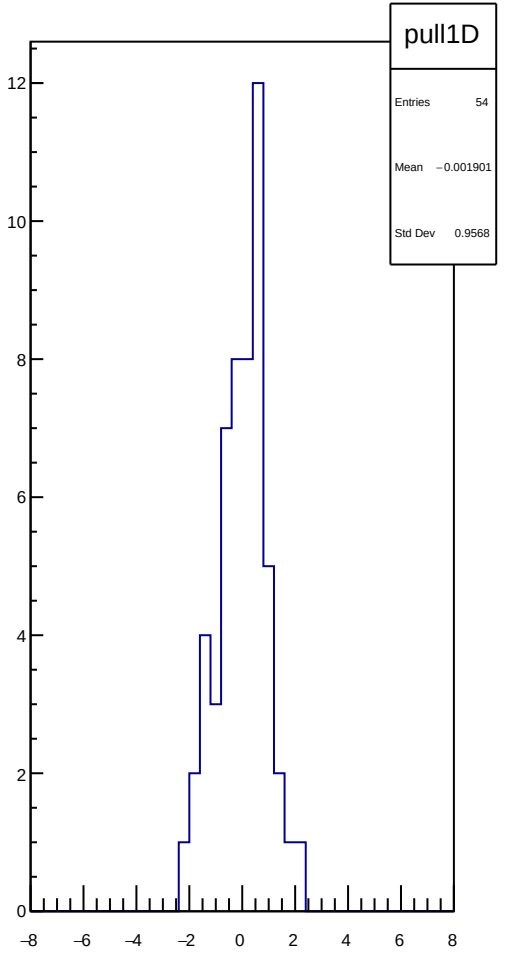
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

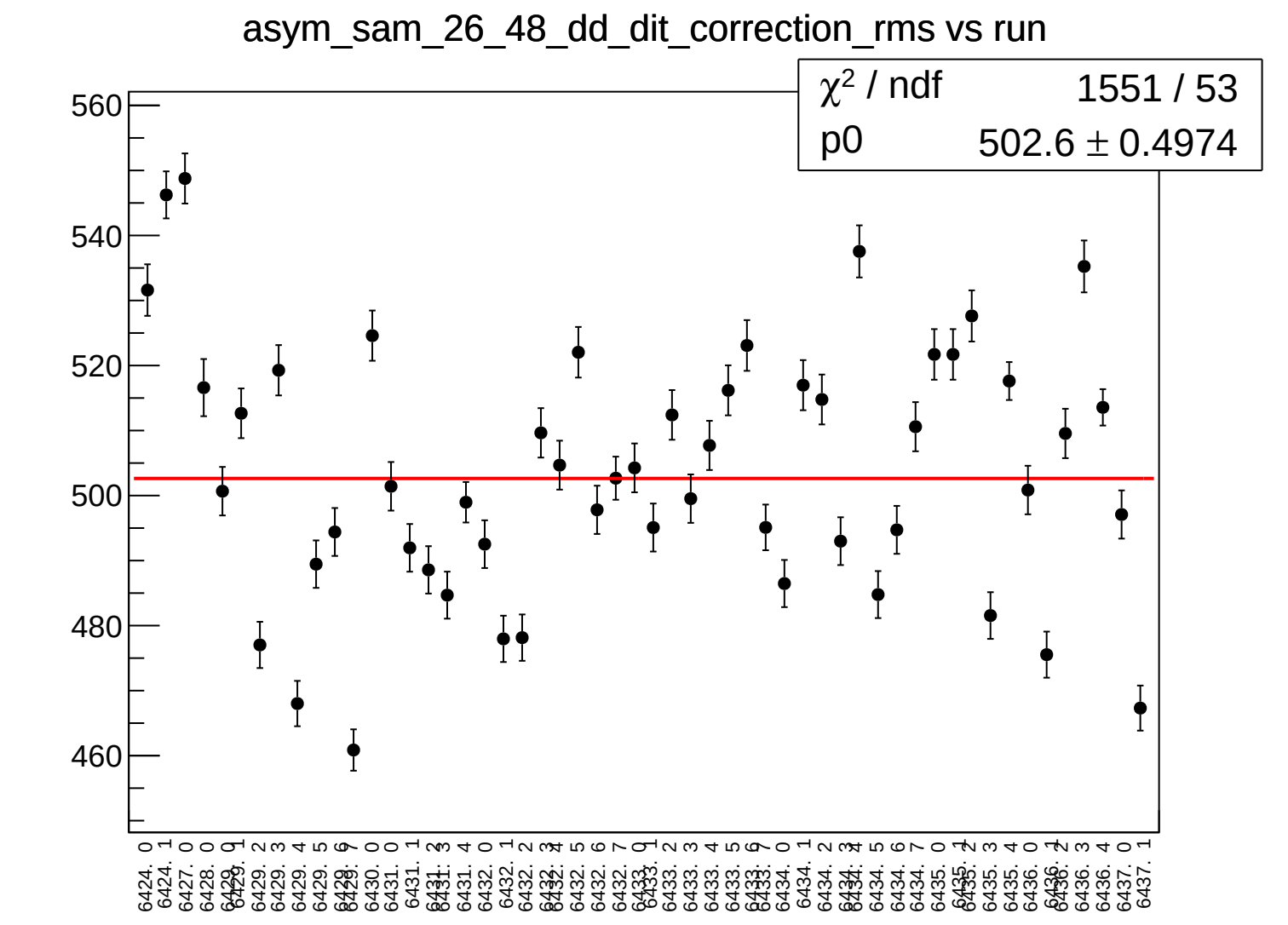

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.94 / 53
p0 24.72 ± 130.5
pull
Entries 54
Mean 61.38
Std Dev 0

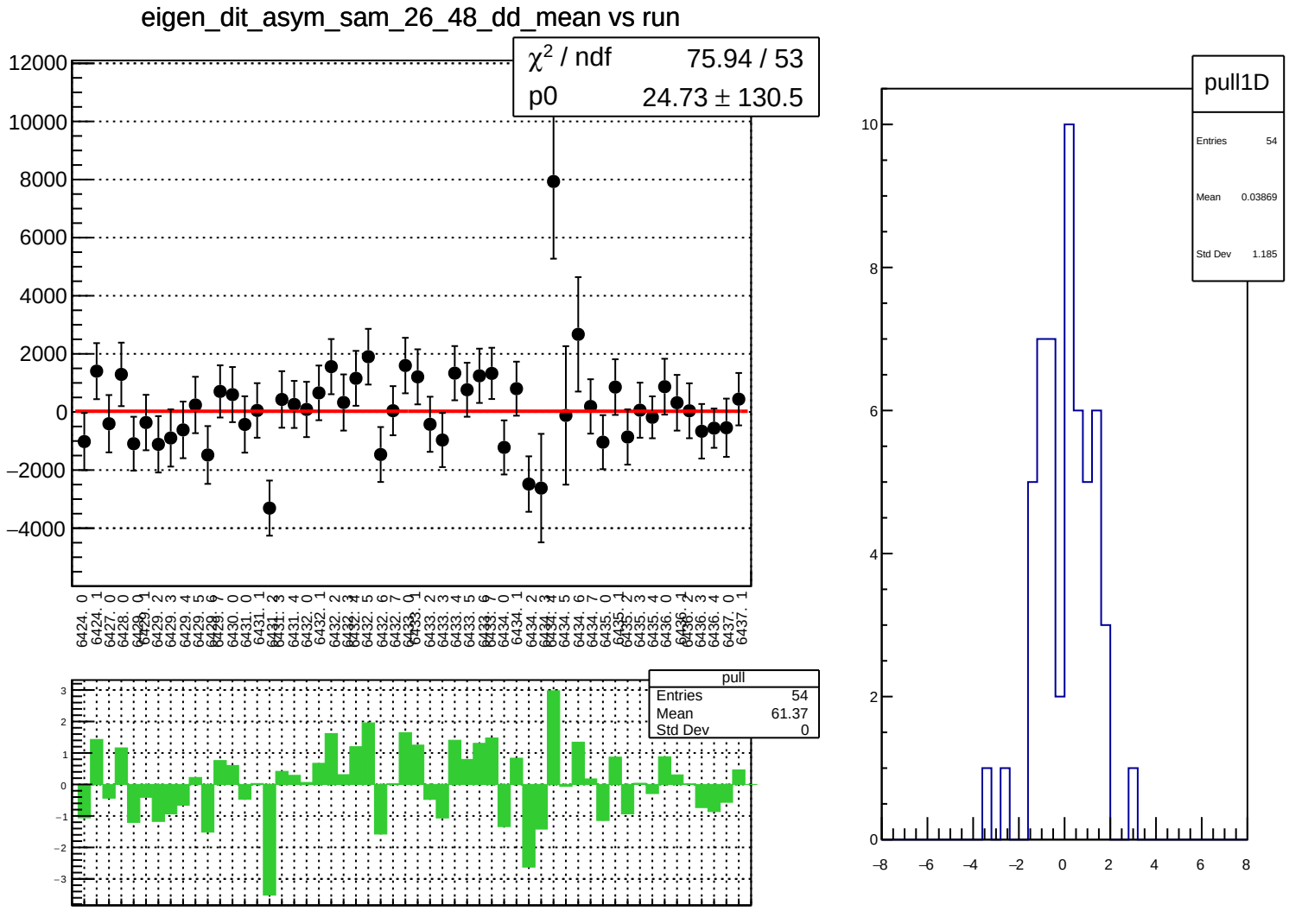

pull1D
Entries 54
Mean 0.03869
Std Dev 1.185

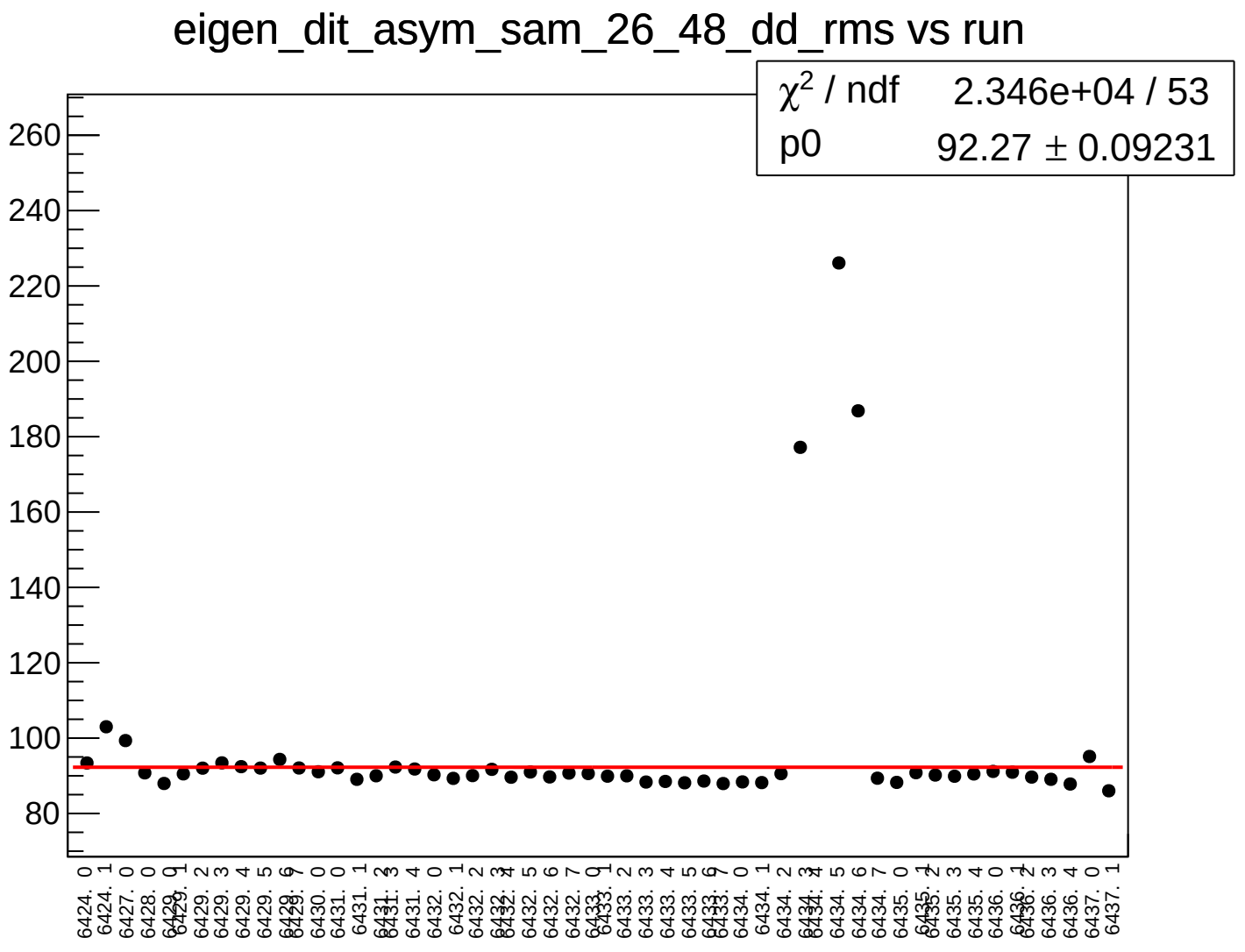

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.346e+04 / 53
p0 92.27 ± 0.09231
260
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

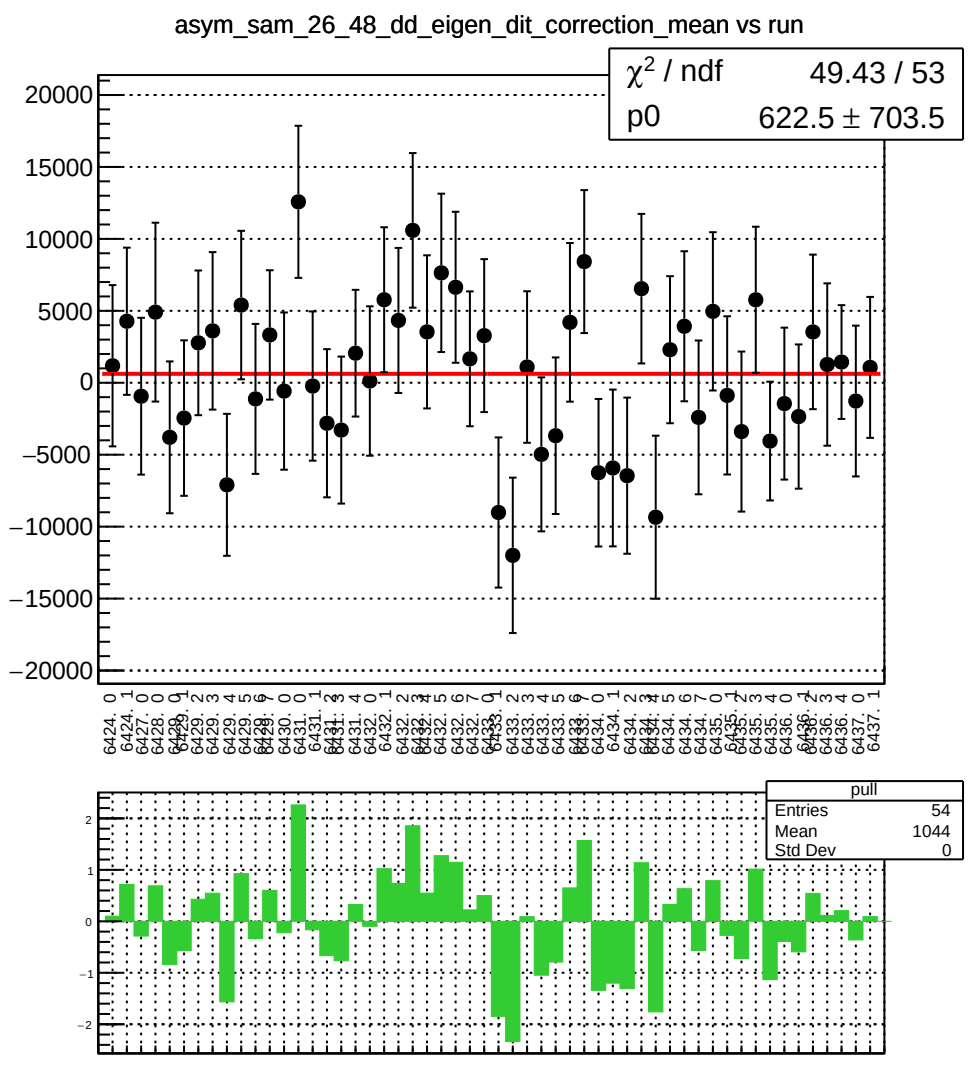

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 49.43 / 53
p0 622.4 ± 703.5
pull
Entries 54
Mean 1044
Std Dev 0

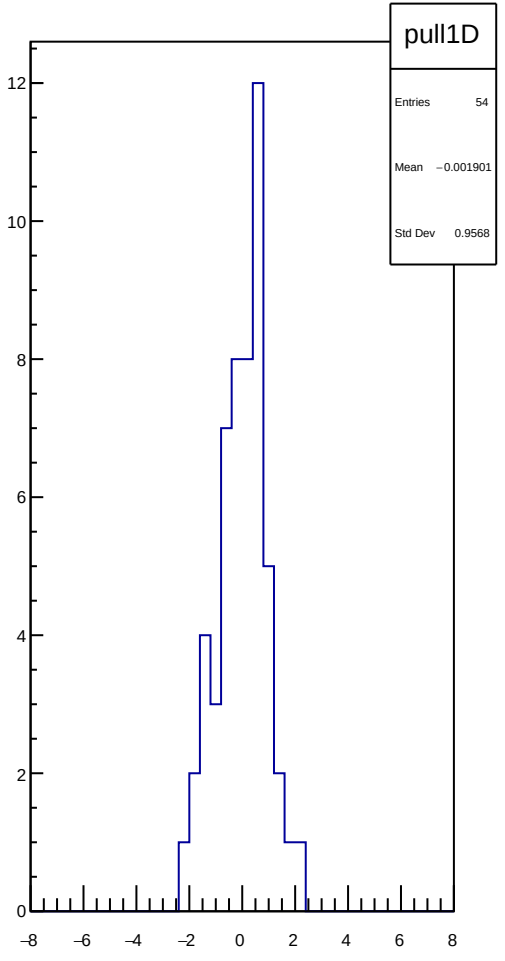

pull1D
Entries 54
Mean −0.001901
Std Dev 0.9568

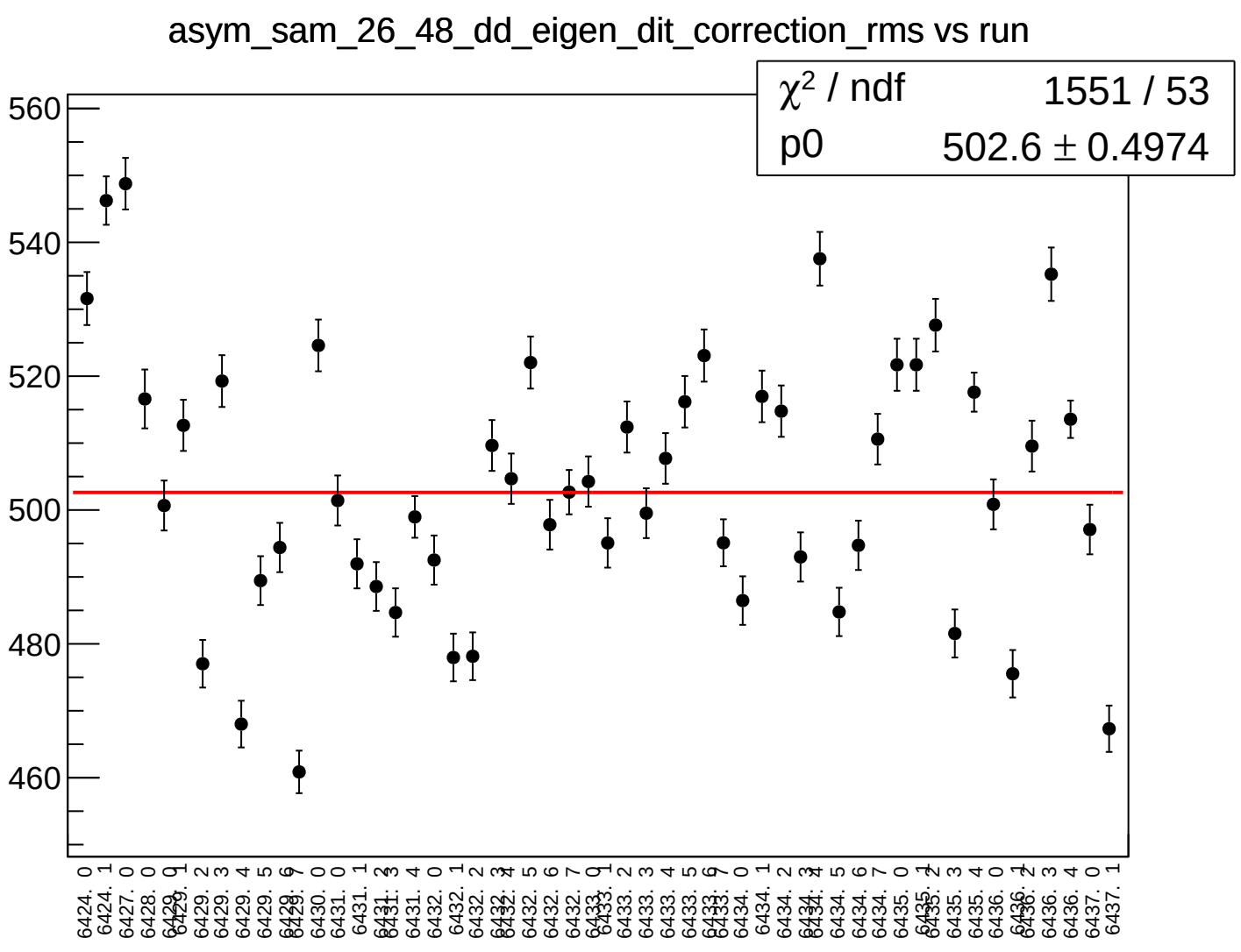

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1551 / 53
p0 502.6 ± 0.4974
560
540
520
500
480
460
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

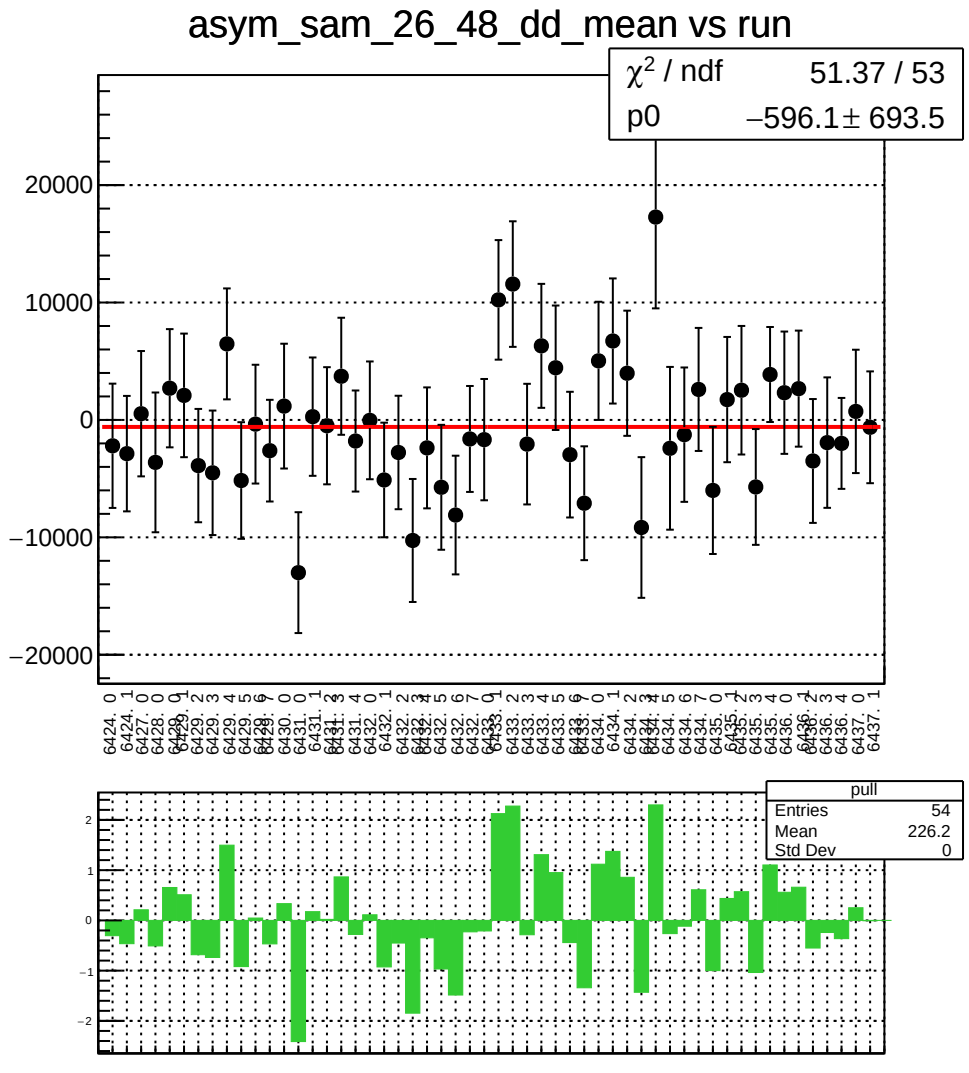

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.94 / 53
p0 24.73 ± 130.5
pull
Entries 54
Mean 61.37
Std Dev 0
pull1D
Entries 54
Mean 0.03869
Std Dev 1.185

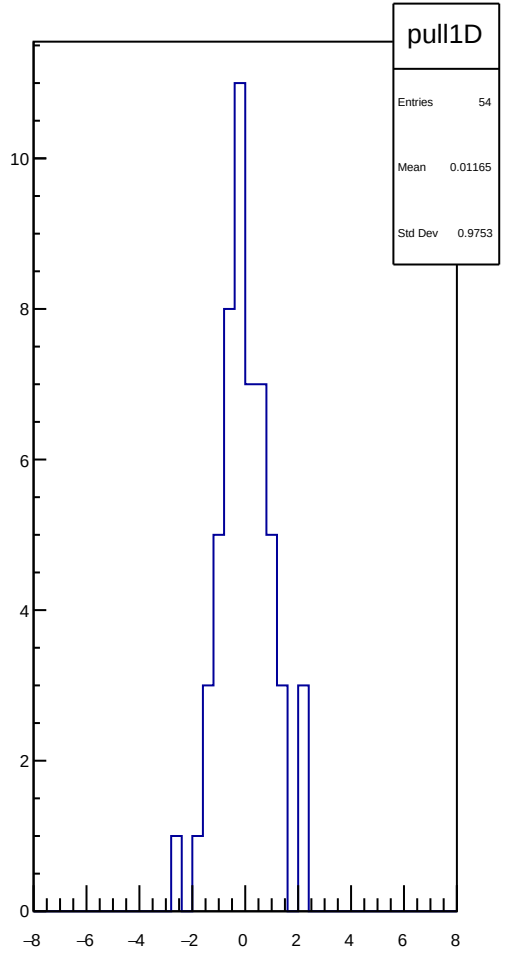

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.346e+04 / 53
p0 92.27 ± 0.09231
260
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

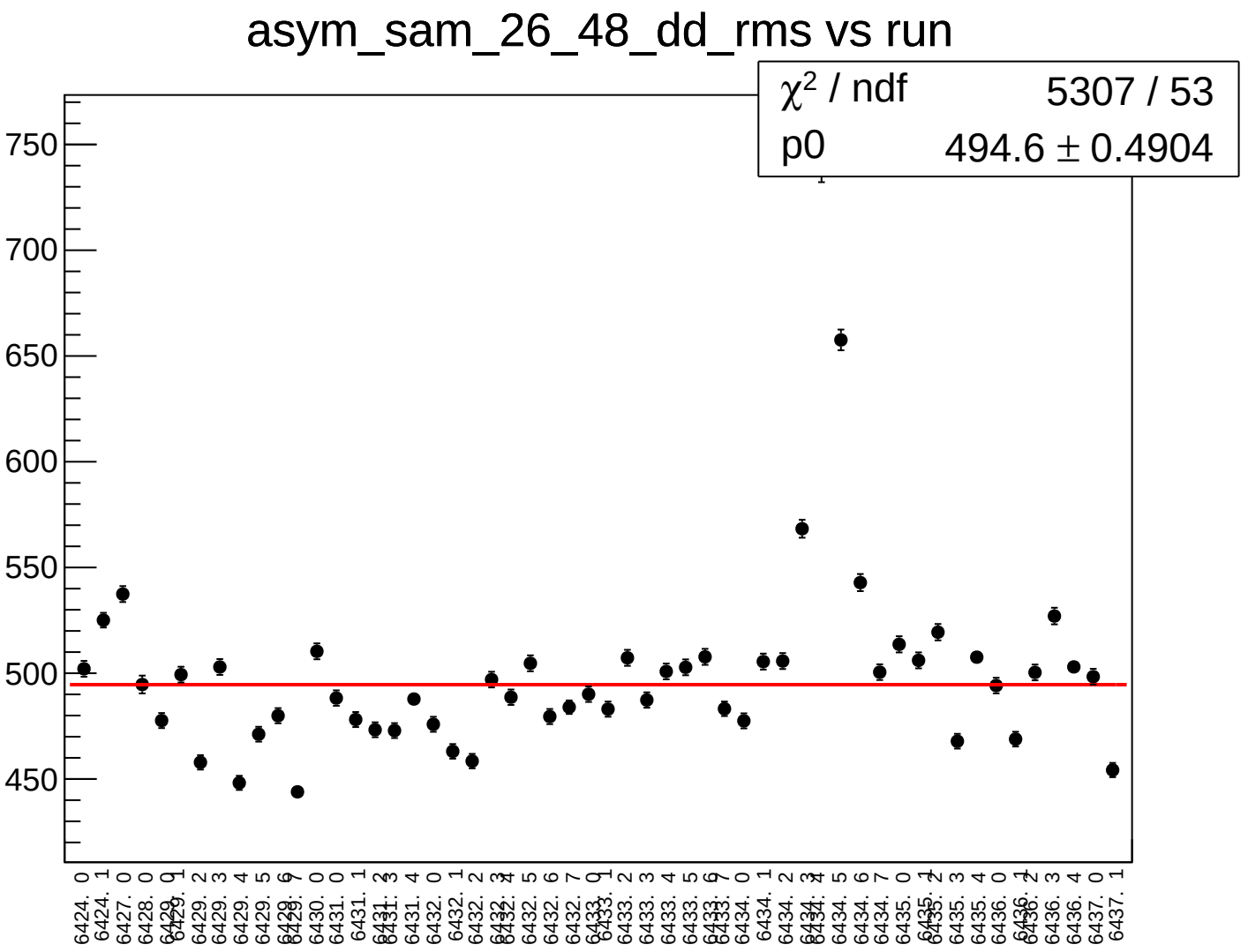

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.43 / 53
p0 622.5 ± 703.5
pull
Entries 54
Mean 1044
Std Dev 0

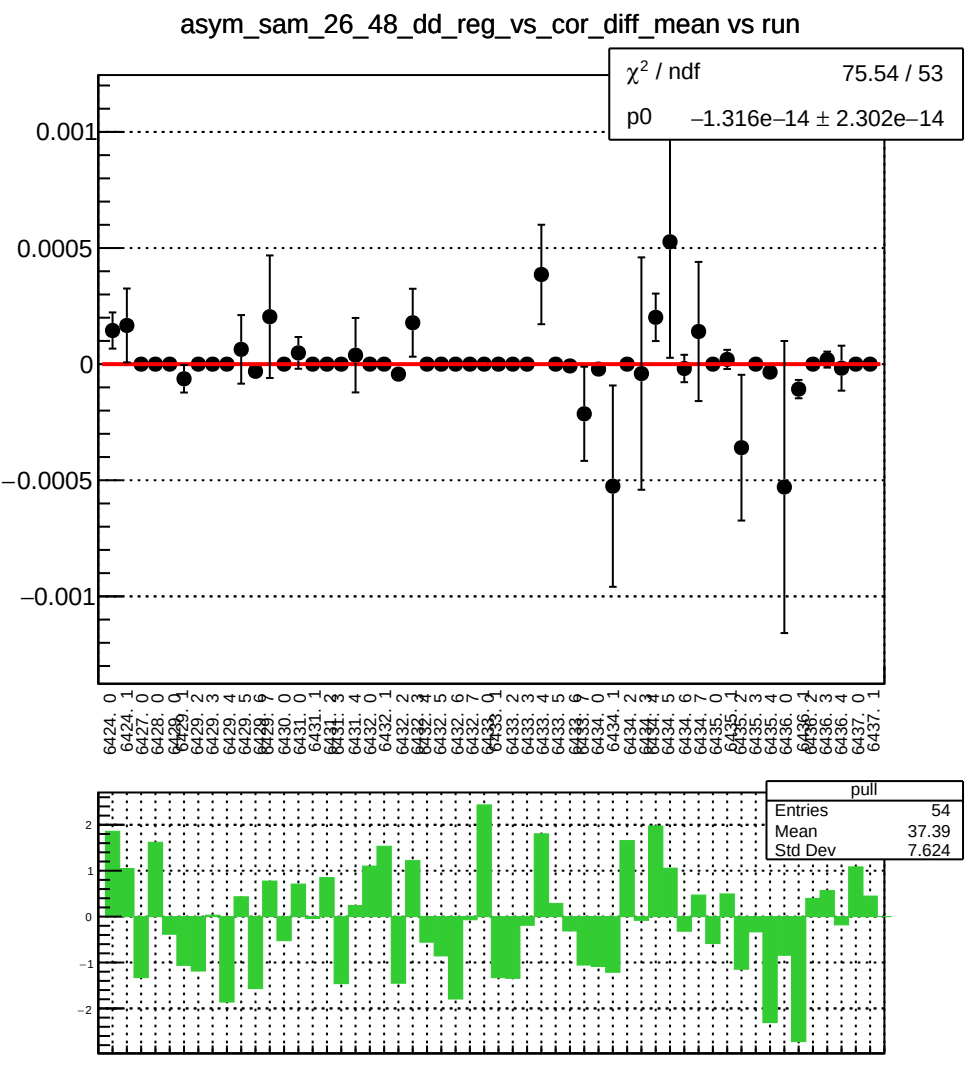

pull1D
Entries 54
Mean −0.001901
Std Dev 0.9568

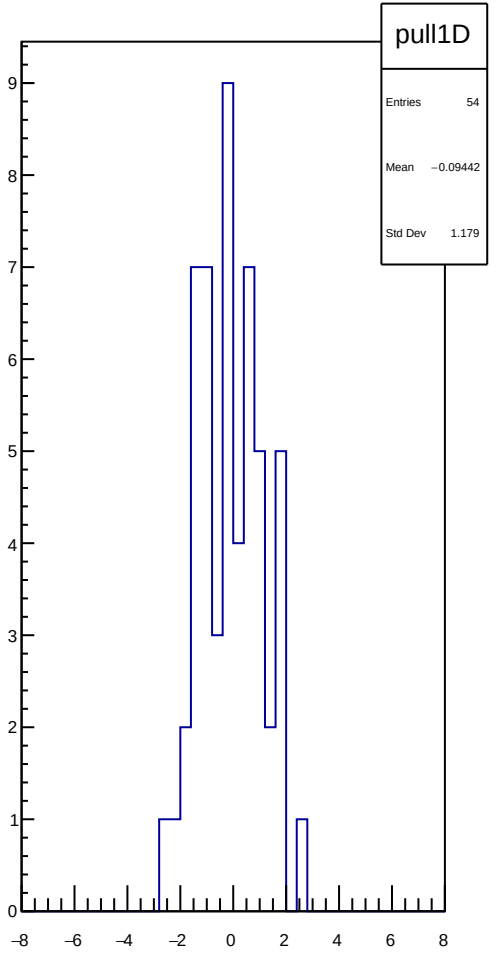

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1551 / 53
p0 502.6 ± 0.4974
560
540
520
500
480
460
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

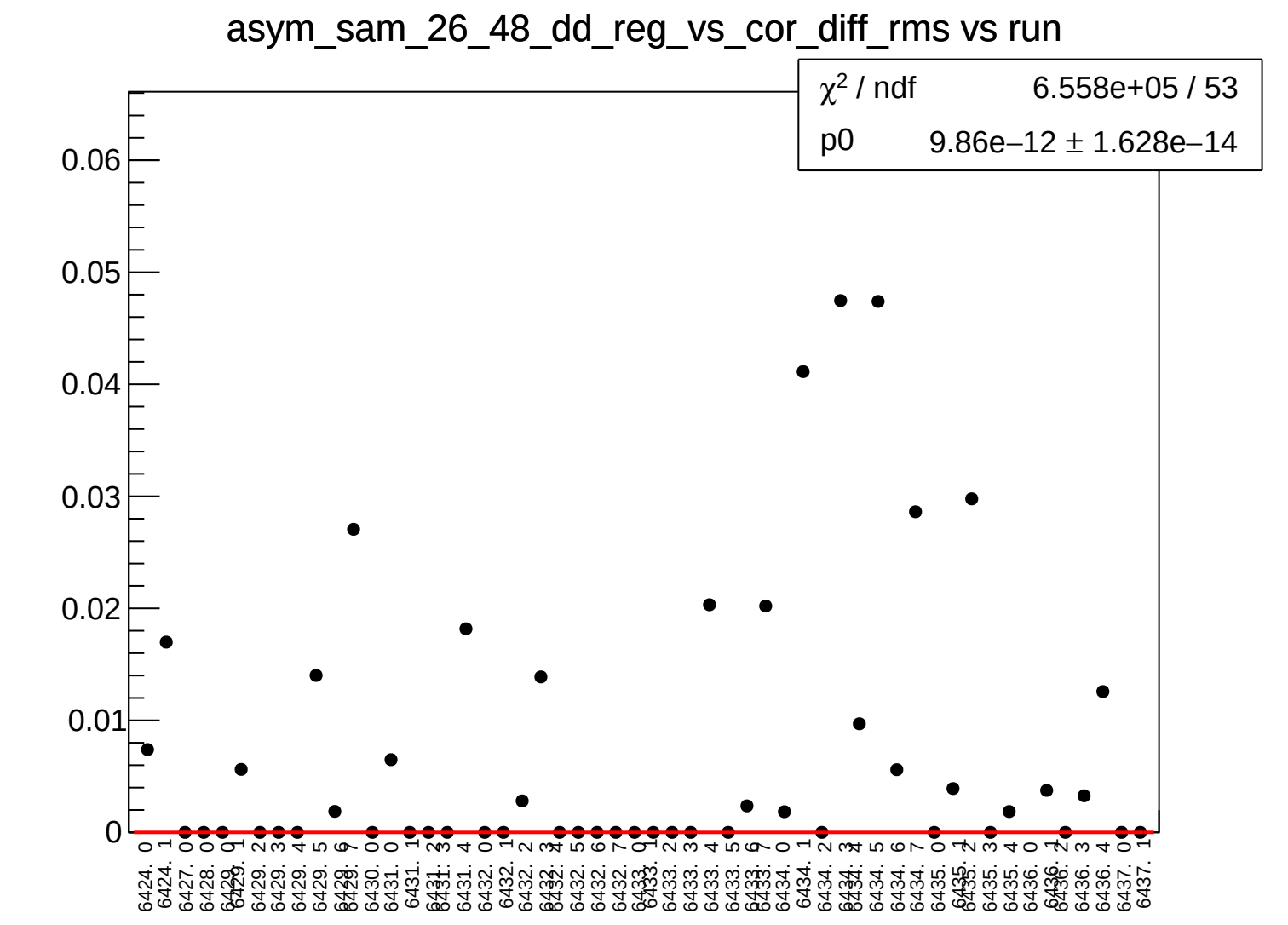

asym_sam_26_48_dd_mean vs run
χ² / ndf 51.37 / 53
p0 −596.1± 693.5
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 226.2
Std Dev 0
2
1
0
−1
−2

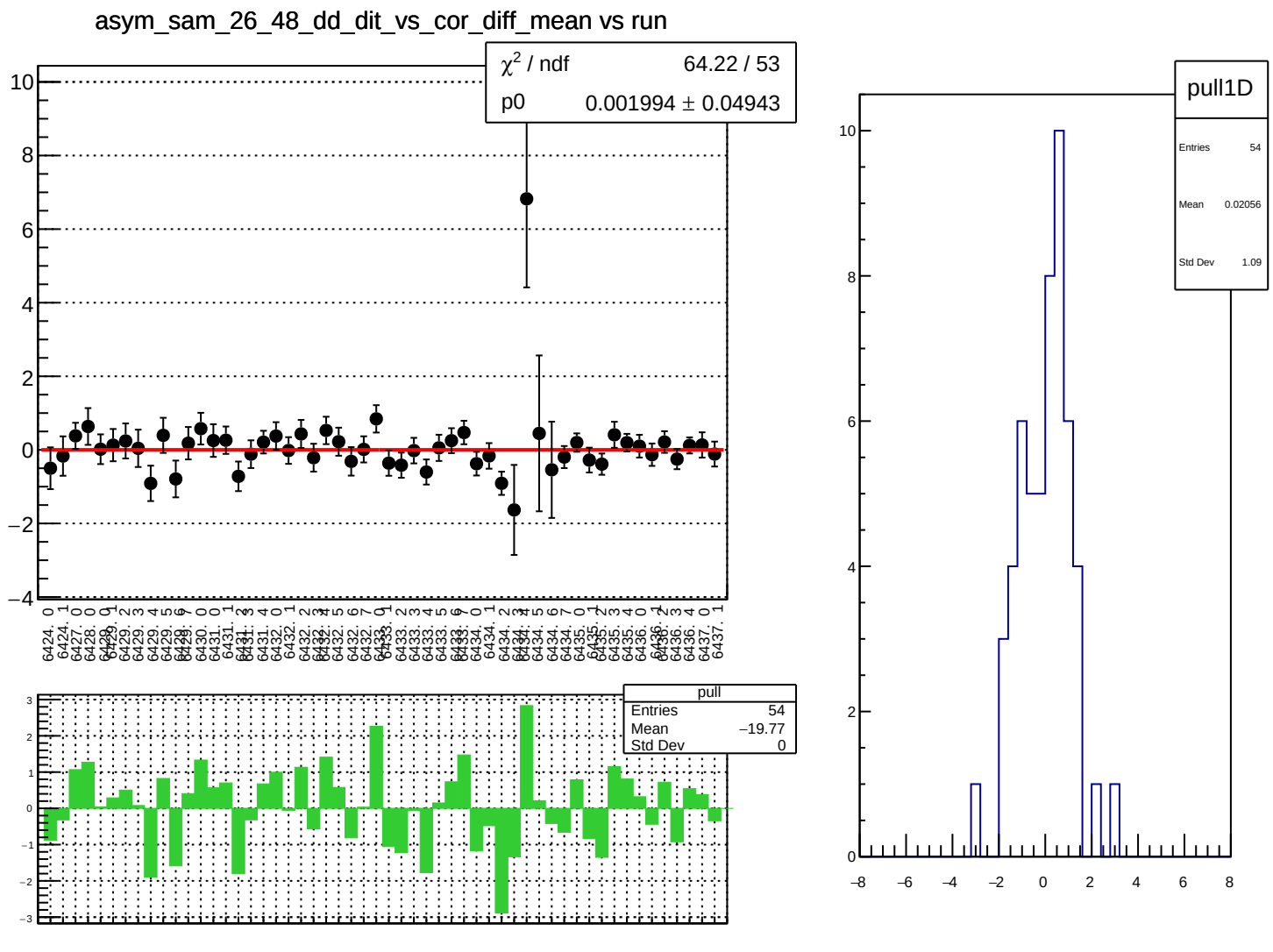

pull1D
Entries 54
Mean 0.01165
Std Dev 0.9753
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

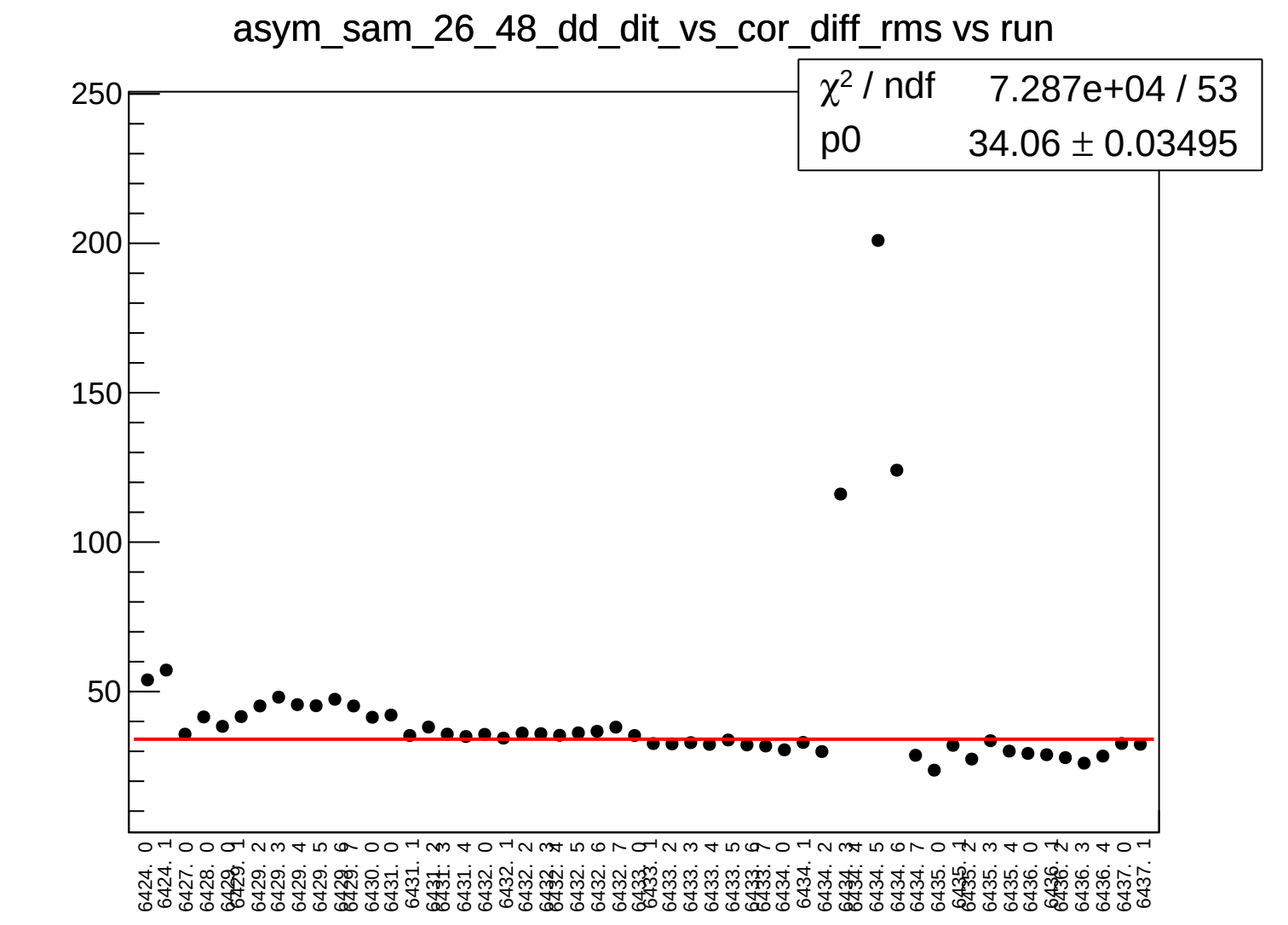

asym_sam_26_48_dd_rms vs run
χ² / ndf 5307 / 53
p0 494.6 ± 0.4904
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

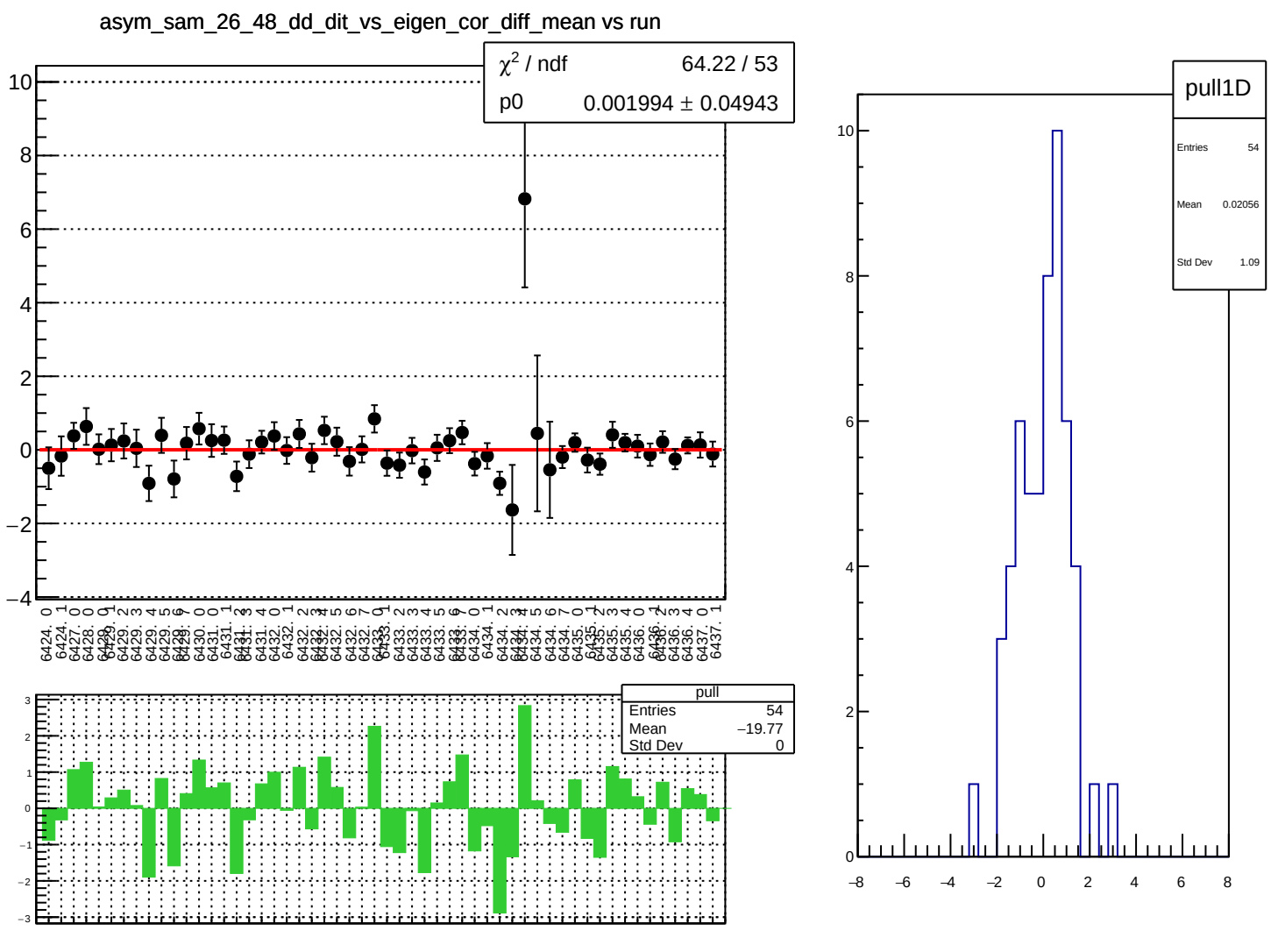

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 75.54 / 53
p0 −1.316e−14 ± 2.302e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 37.39
Std Dev 7.624
2
1
0
−1
−2

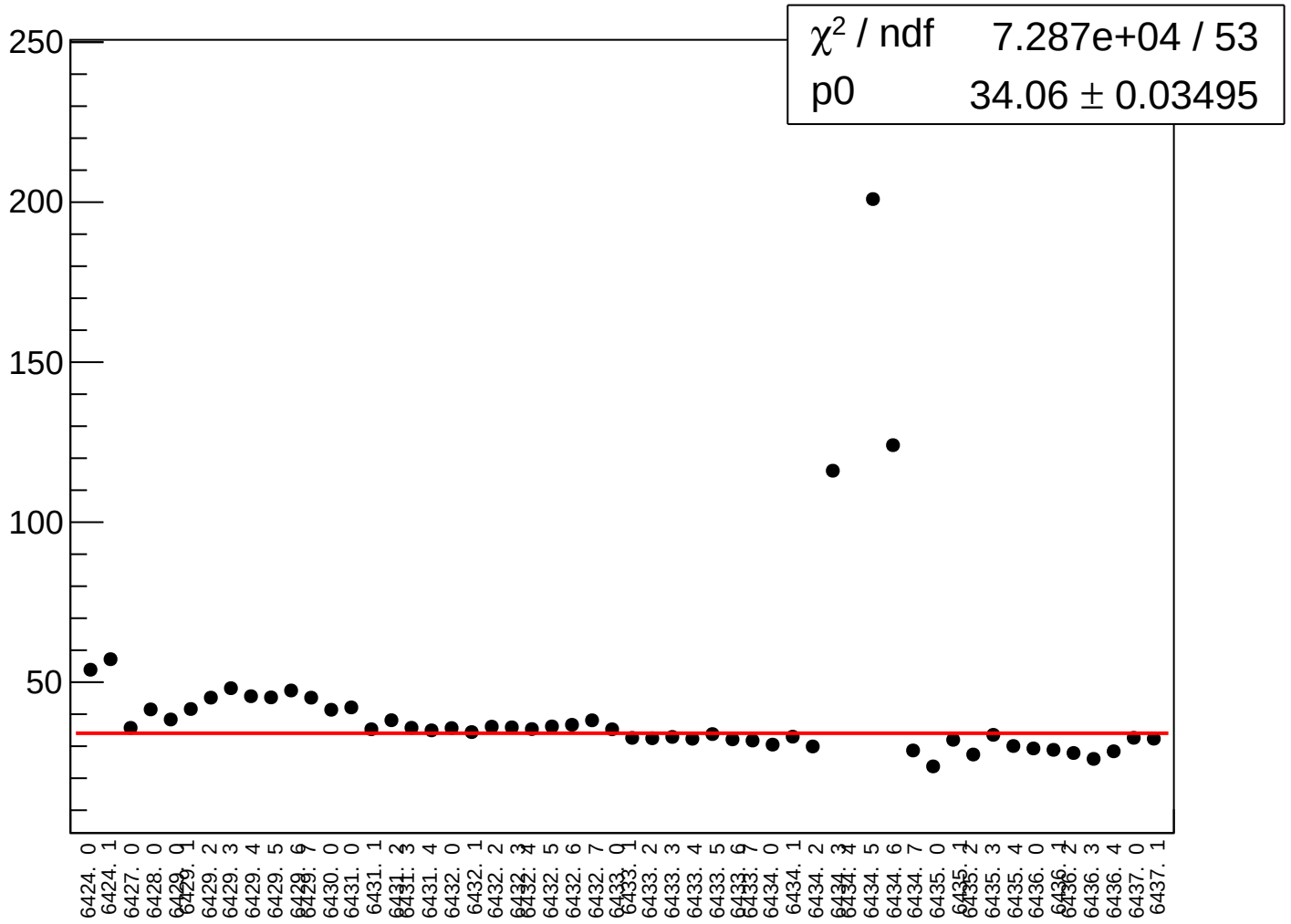

pull1D
Entries 54
Mean −0.09442
Std Dev 1.179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

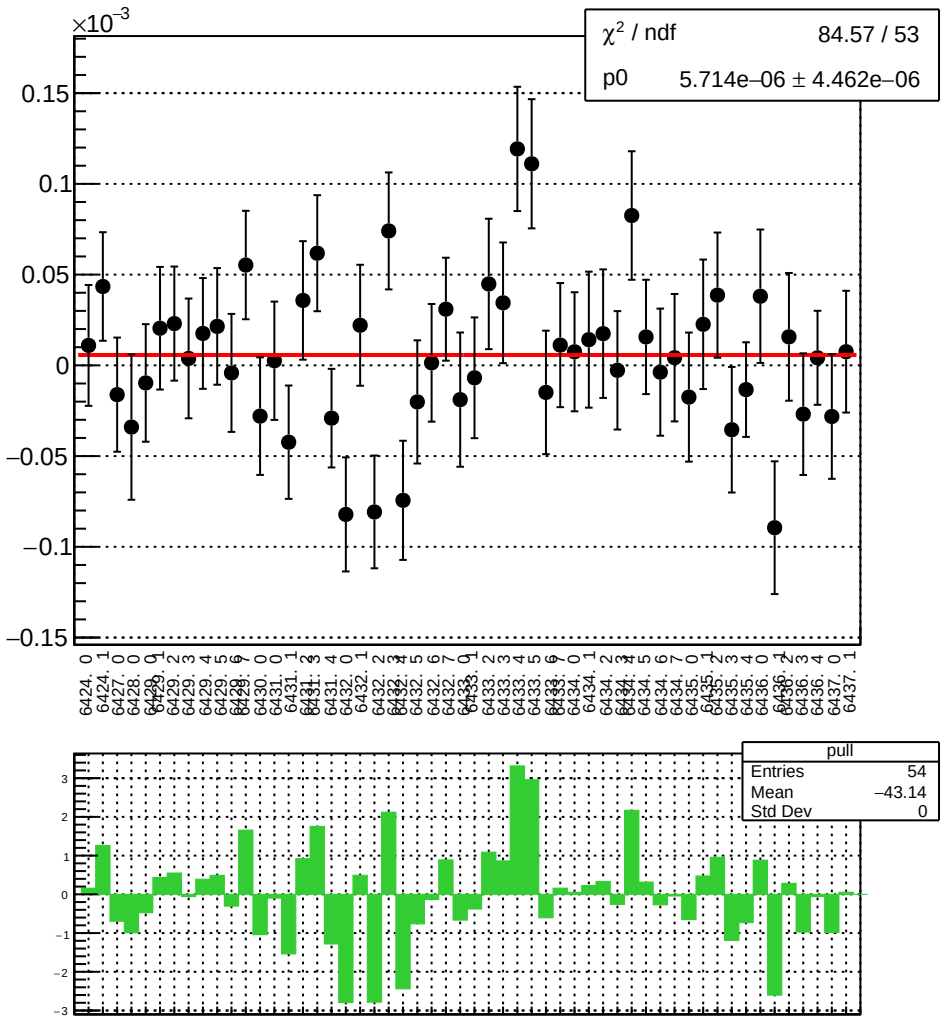

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.558e+05 / 53
p0 9.86e−12 ± 1.628e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

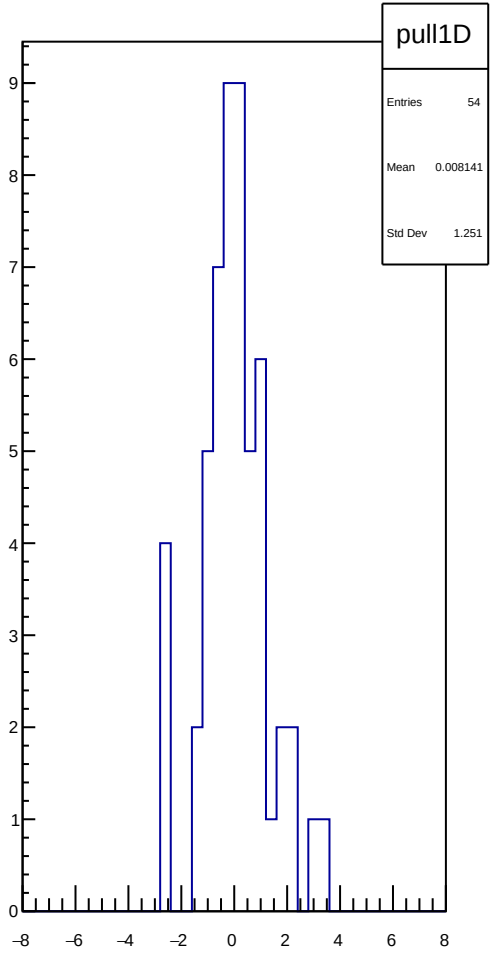

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.22 / 53
p0 0.001994 ± 0.04943
pull
Entries 54
Mean −19.77
Std Dev 0
pull1D
Entries 54
Mean 0.02056
Std Dev 1.09

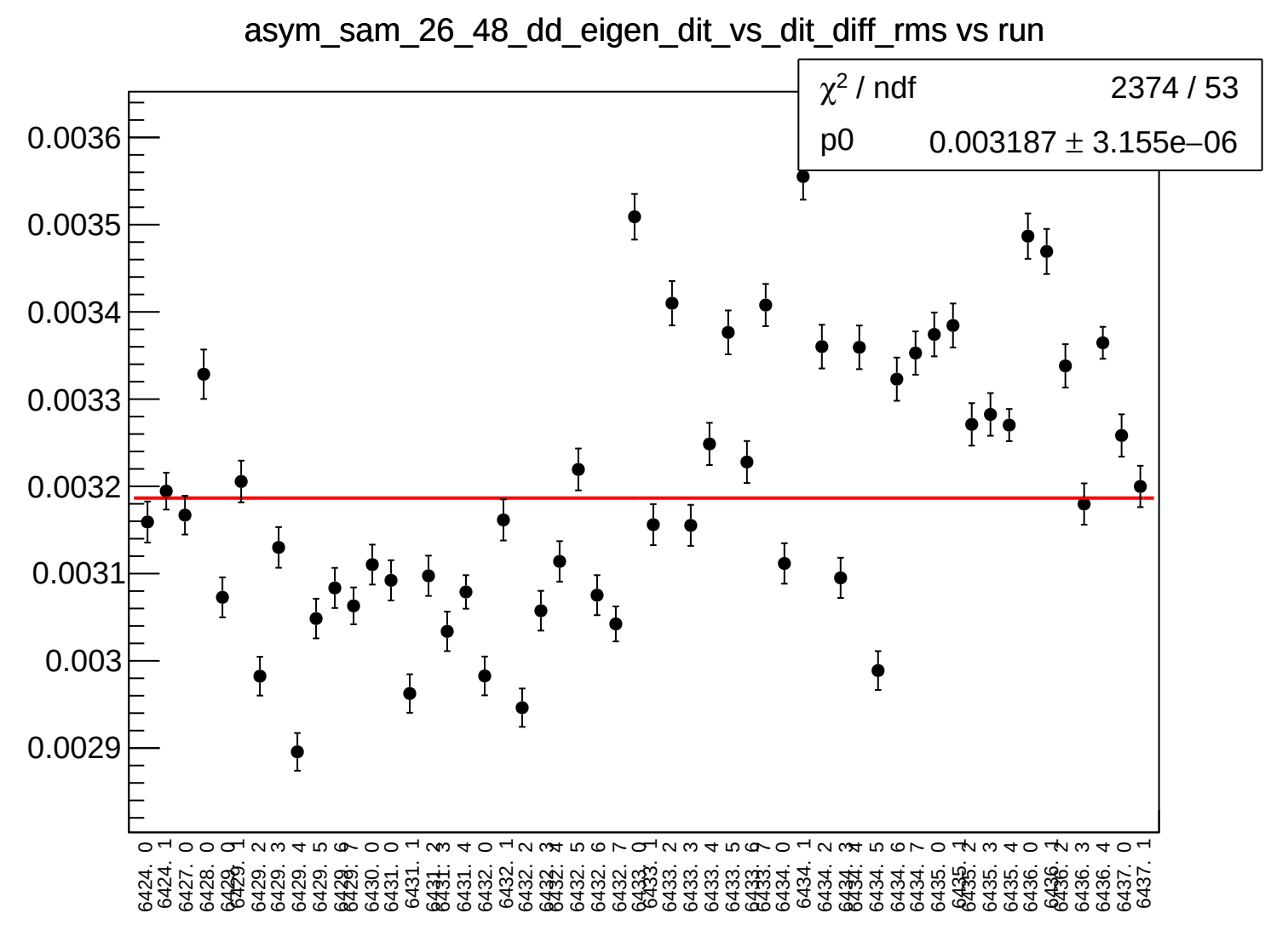

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.287e+04 / 53
p0 34.06 ± 0.03495
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

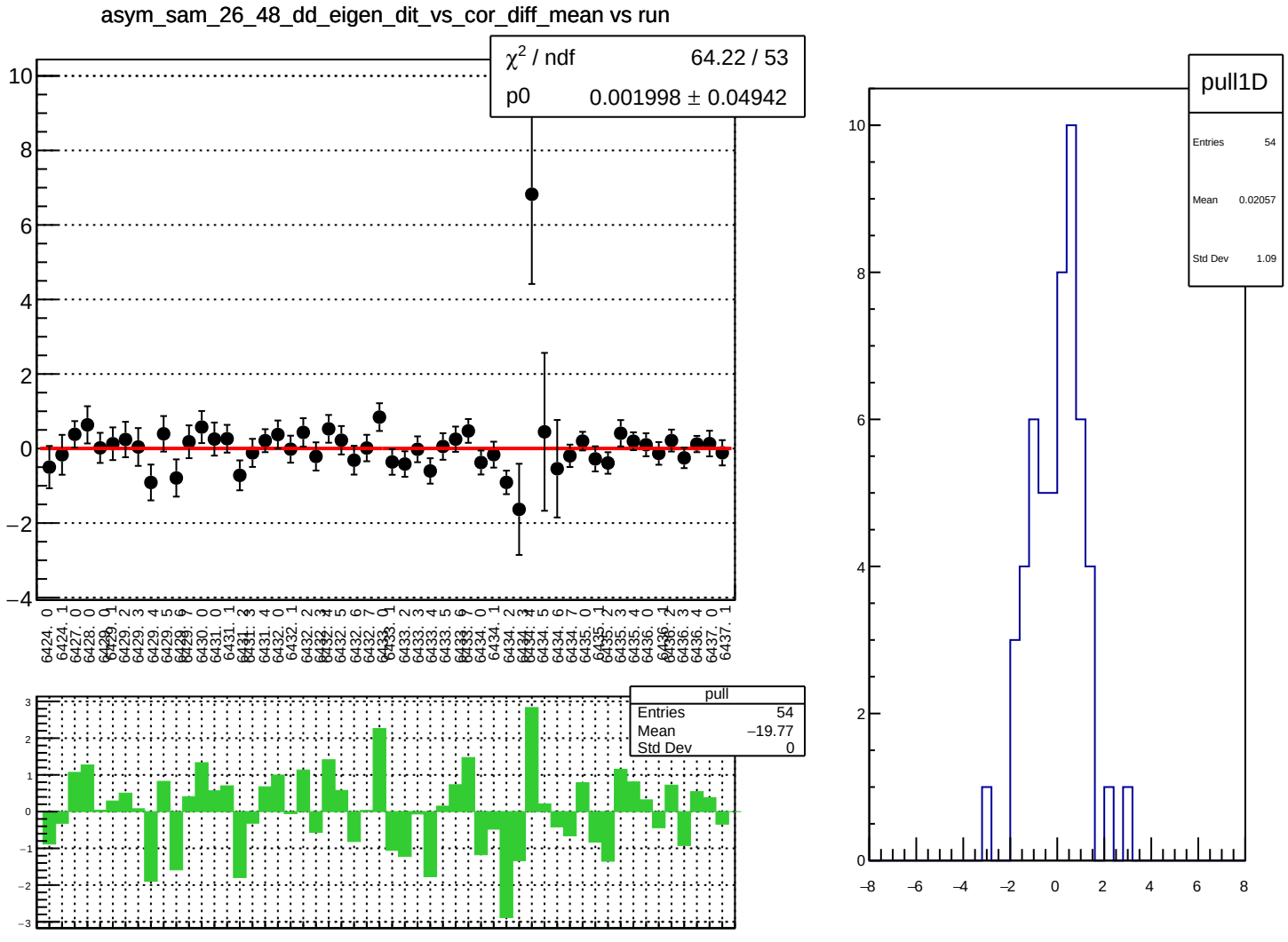

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.22 / 53
p0 0.001994 ± 0.04943
pull
Entries 54
Mean −19.77
Std Dev 0
pull1D
Entries 54
Mean 0.02056
Std Dev 1.09

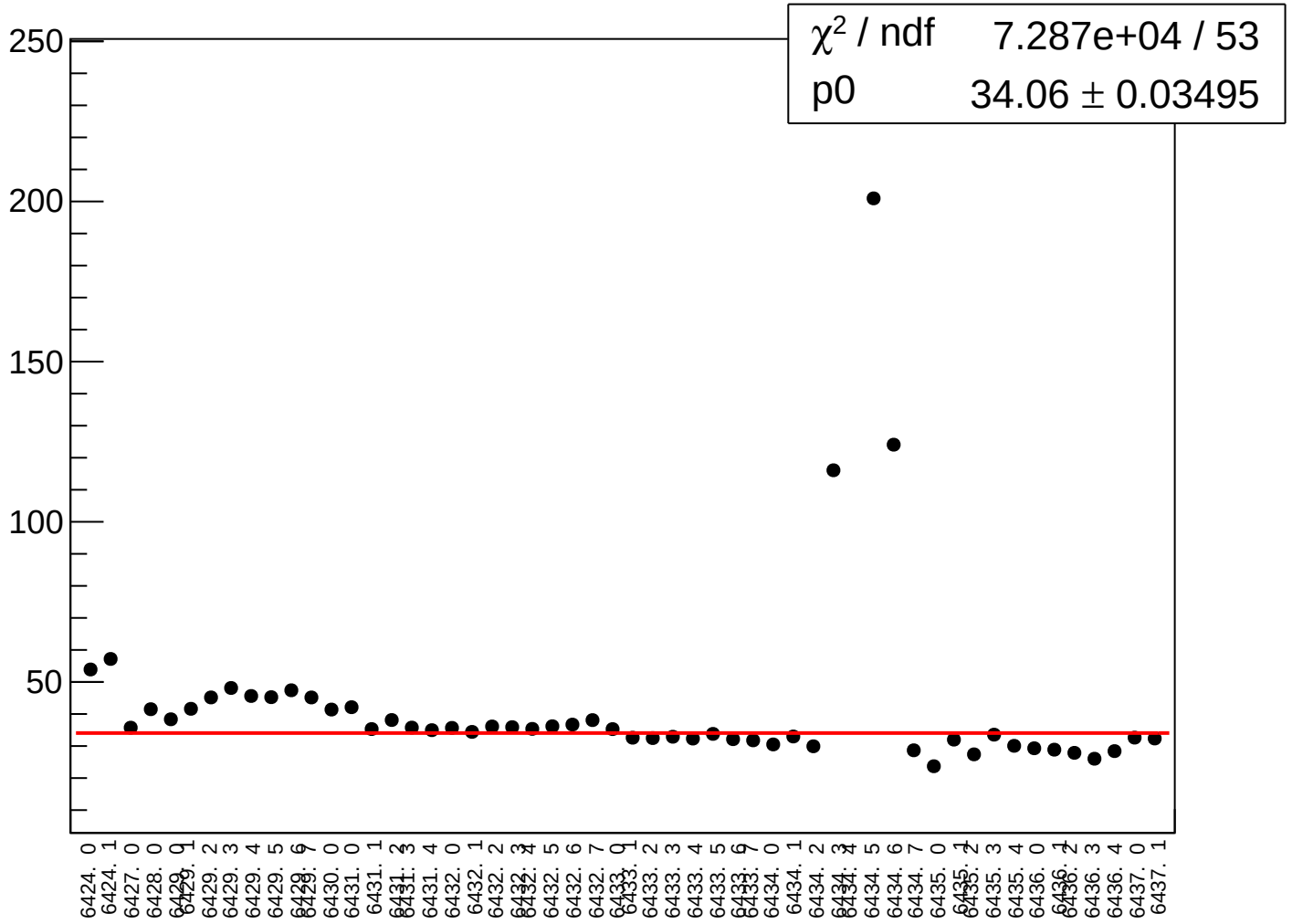

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.287e+04 / 53
p0 34.06 ± 0.03495
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

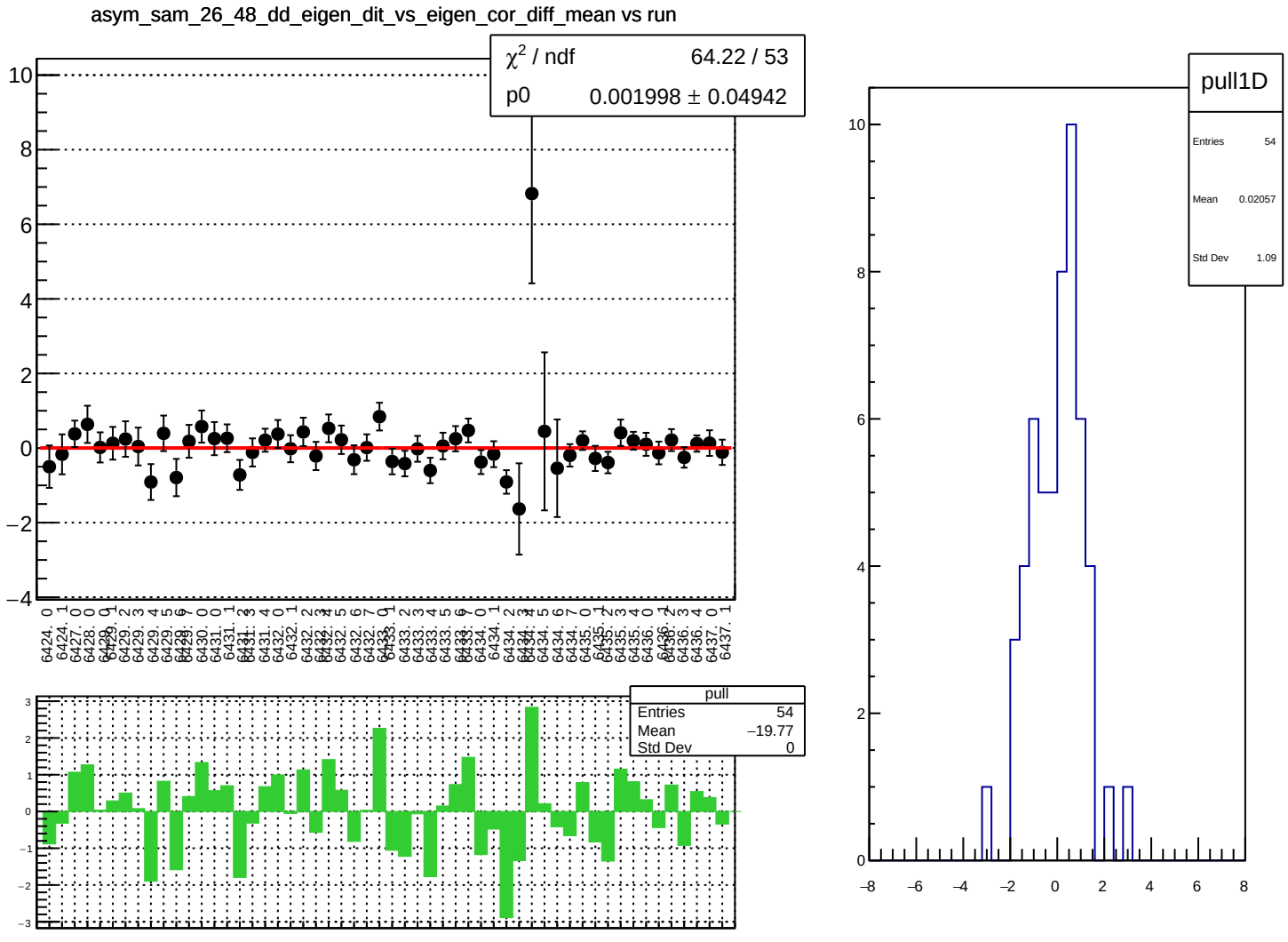

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.57 / 53
p0 5.714e−06 ± 4.462e−06
pull
Entries 54
Mean −43.14
Std Dev 0

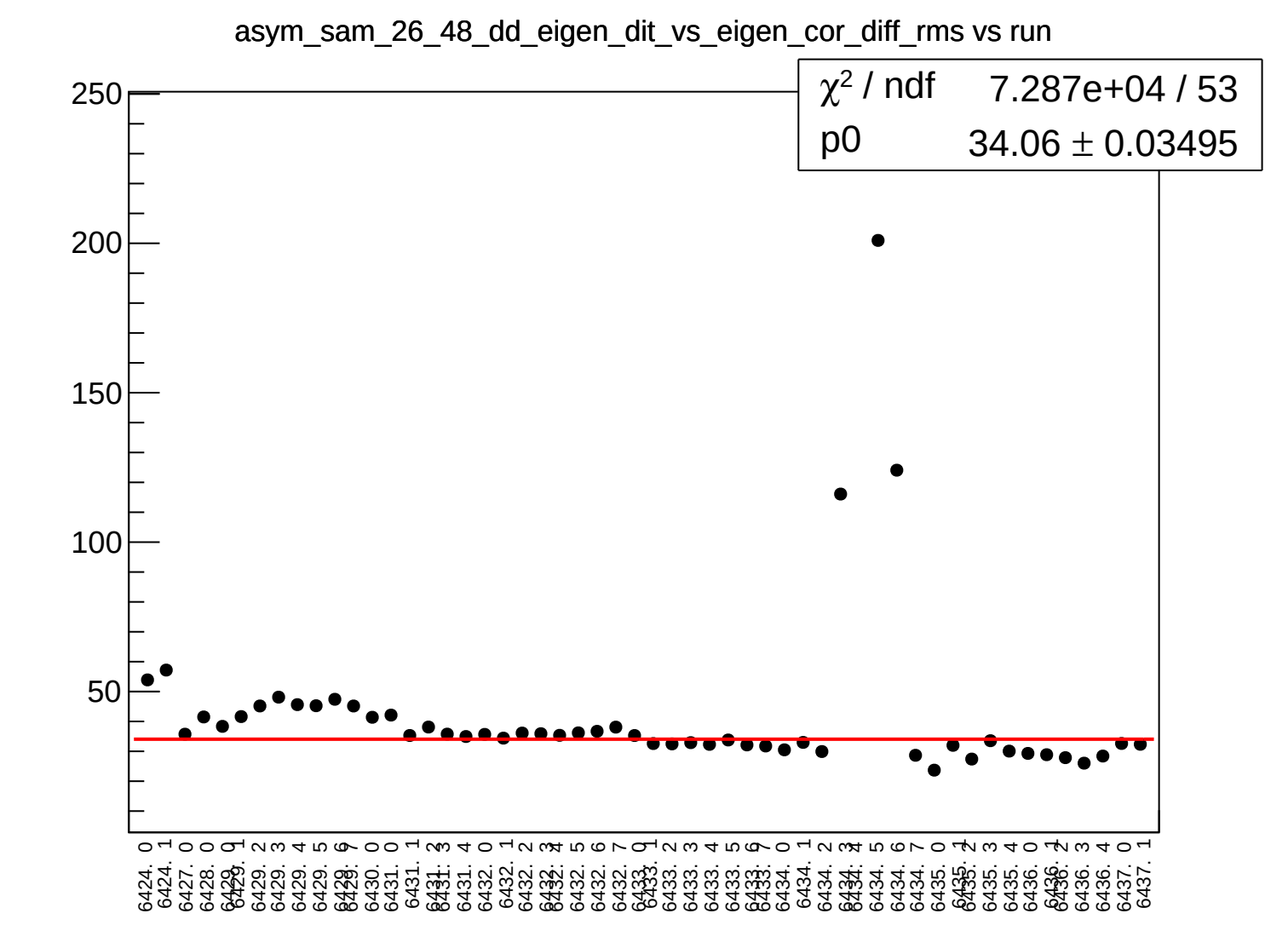

pull1D
Entries 54
Mean 0.008141
Std Dev 1.251

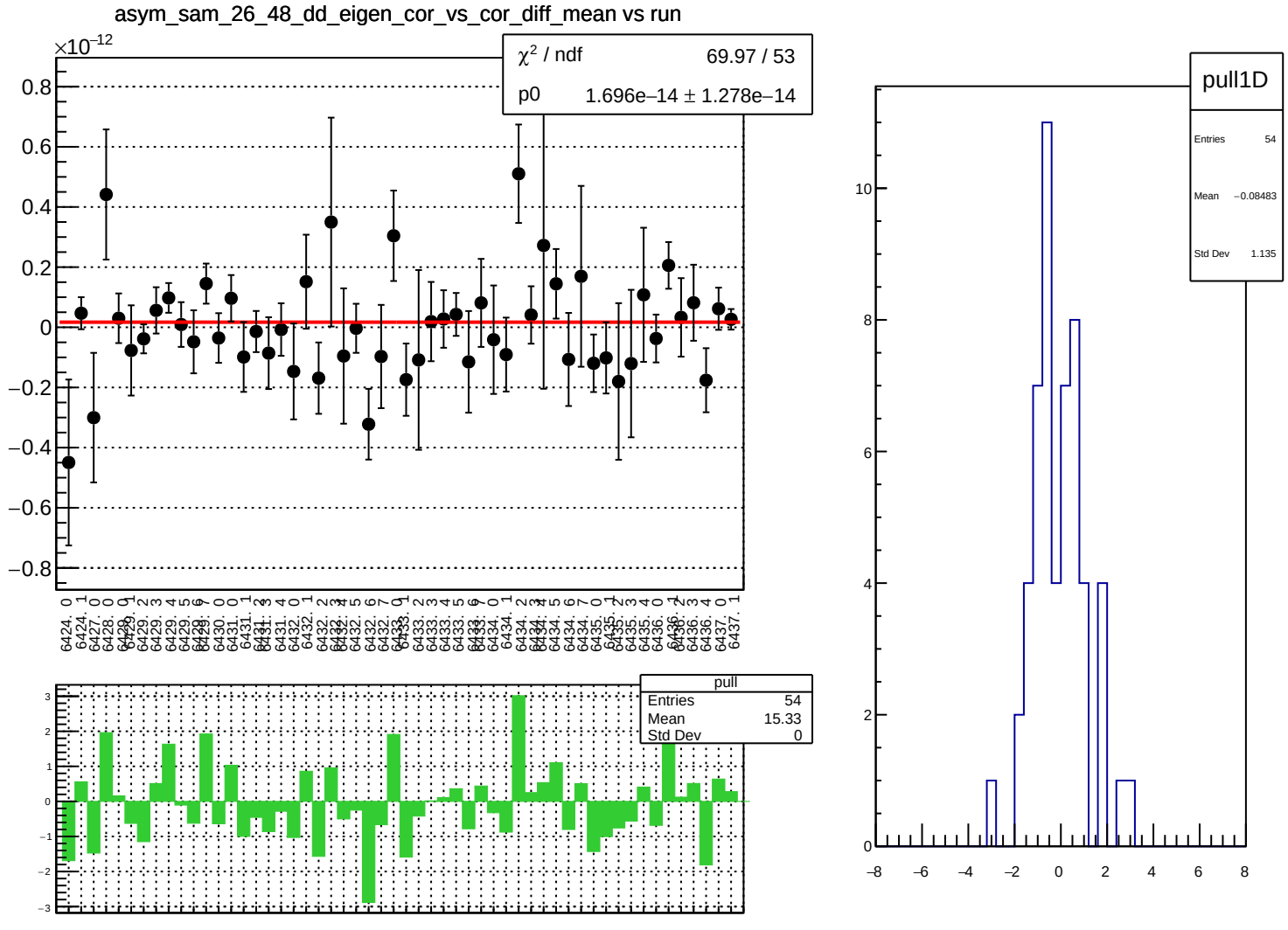

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2374 / 53
p0 0.003187 ± 3.155e−06
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

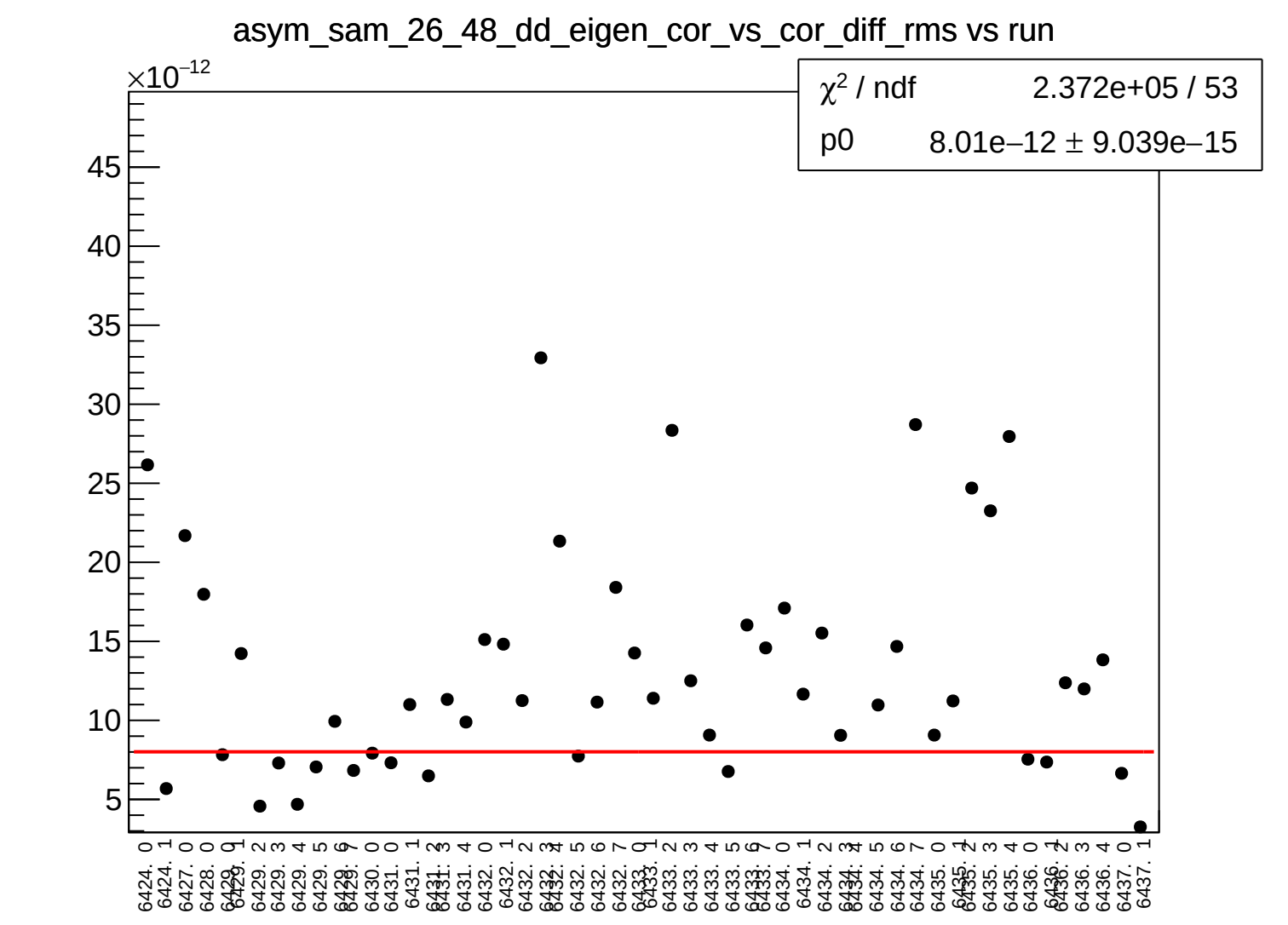

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.22 / 53
p0 0.001998 ± 0.04942
pull
Entries 54
Mean −19.77
Std Dev 0
pull1D
Entries 54
Mean 0.02057
Std Dev 1.09

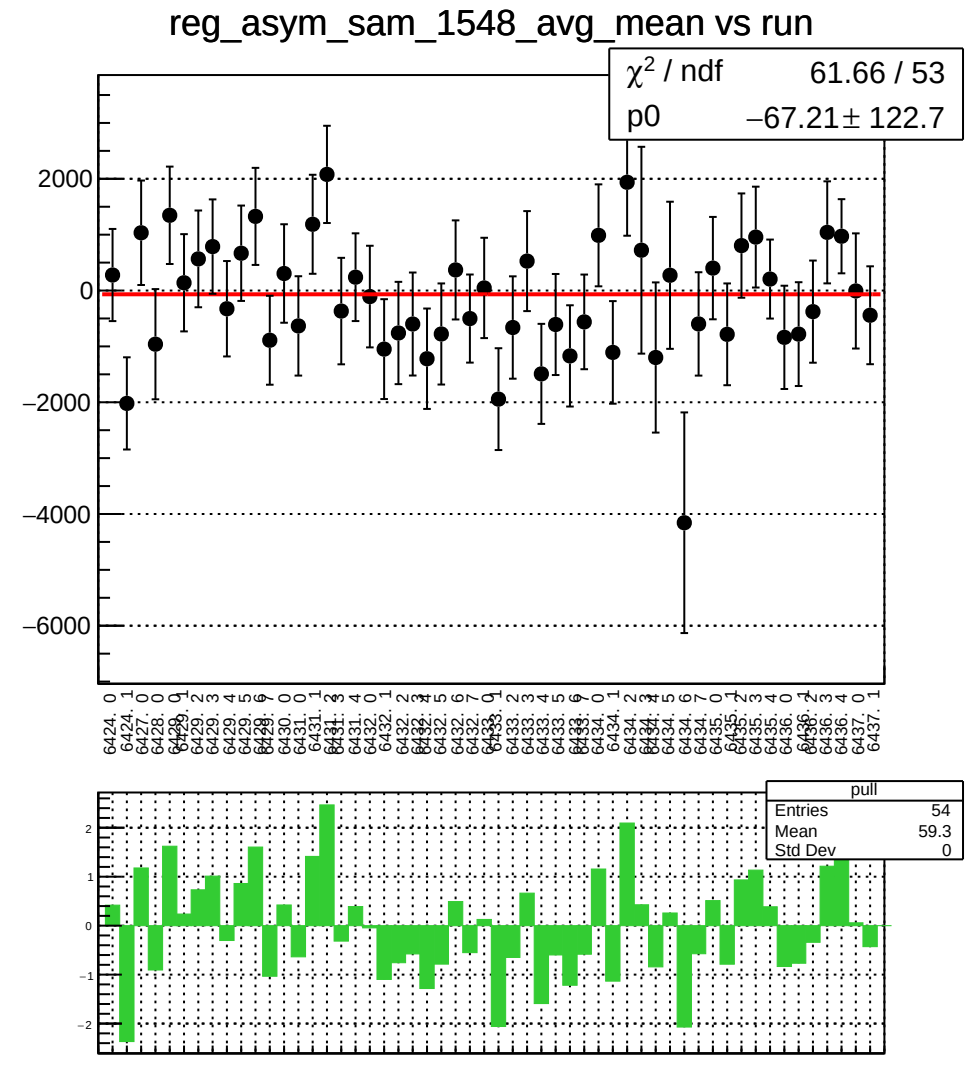

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.287e+04 / 53
p0 34.06 ± 0.03495
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

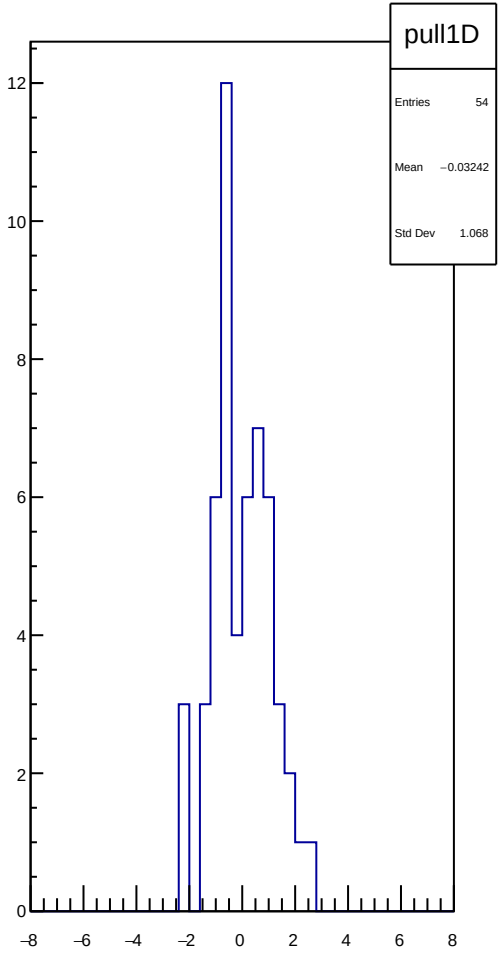

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.22 / 53
p0 0.001998 ± 0.04942
pull
Entries 54
Mean −19.77
Std Dev 0
pull1D
Entries 54
Mean 0.02057
Std Dev 1.09

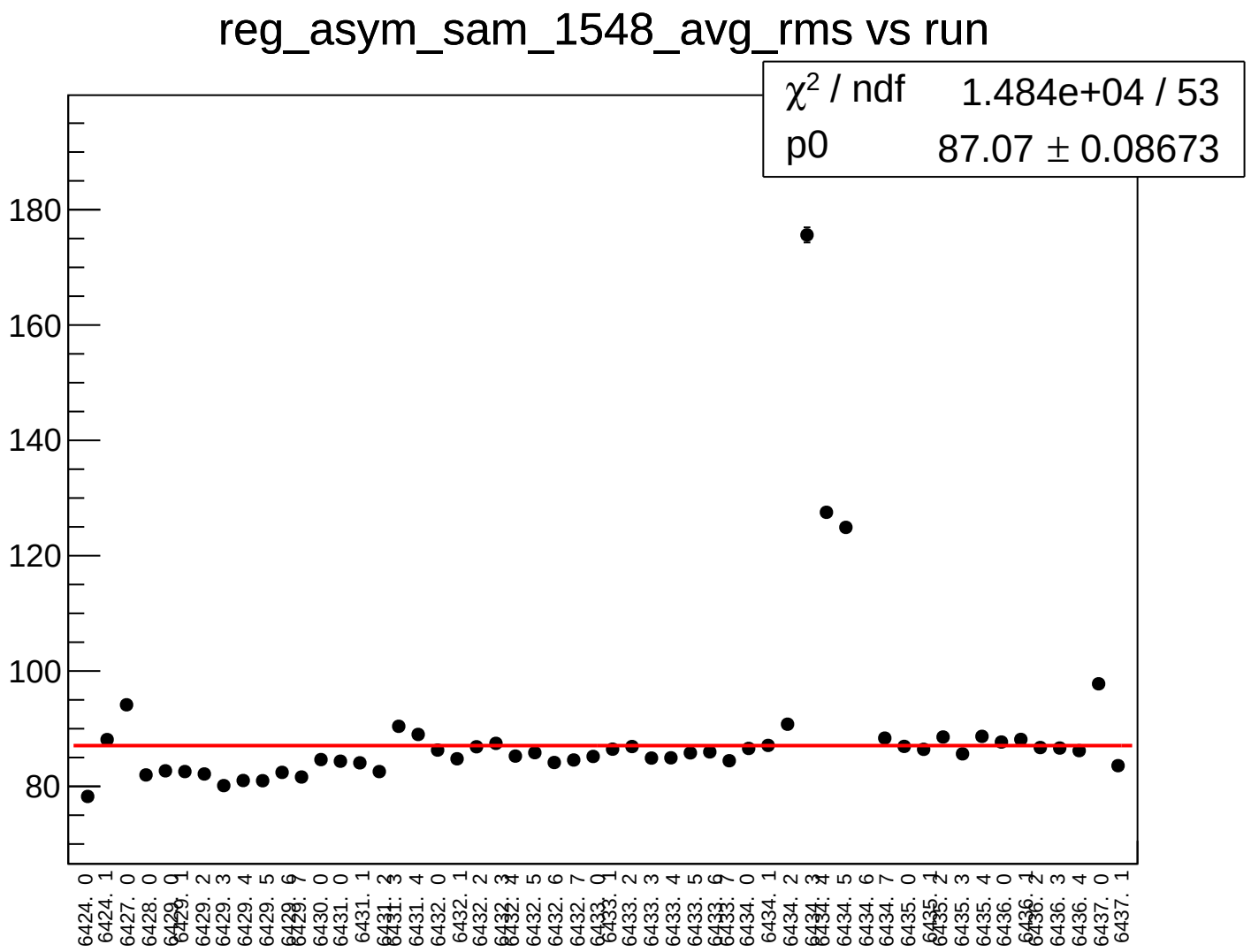

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.287e+04 / 53
p0 34.06 ± 0.03495
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

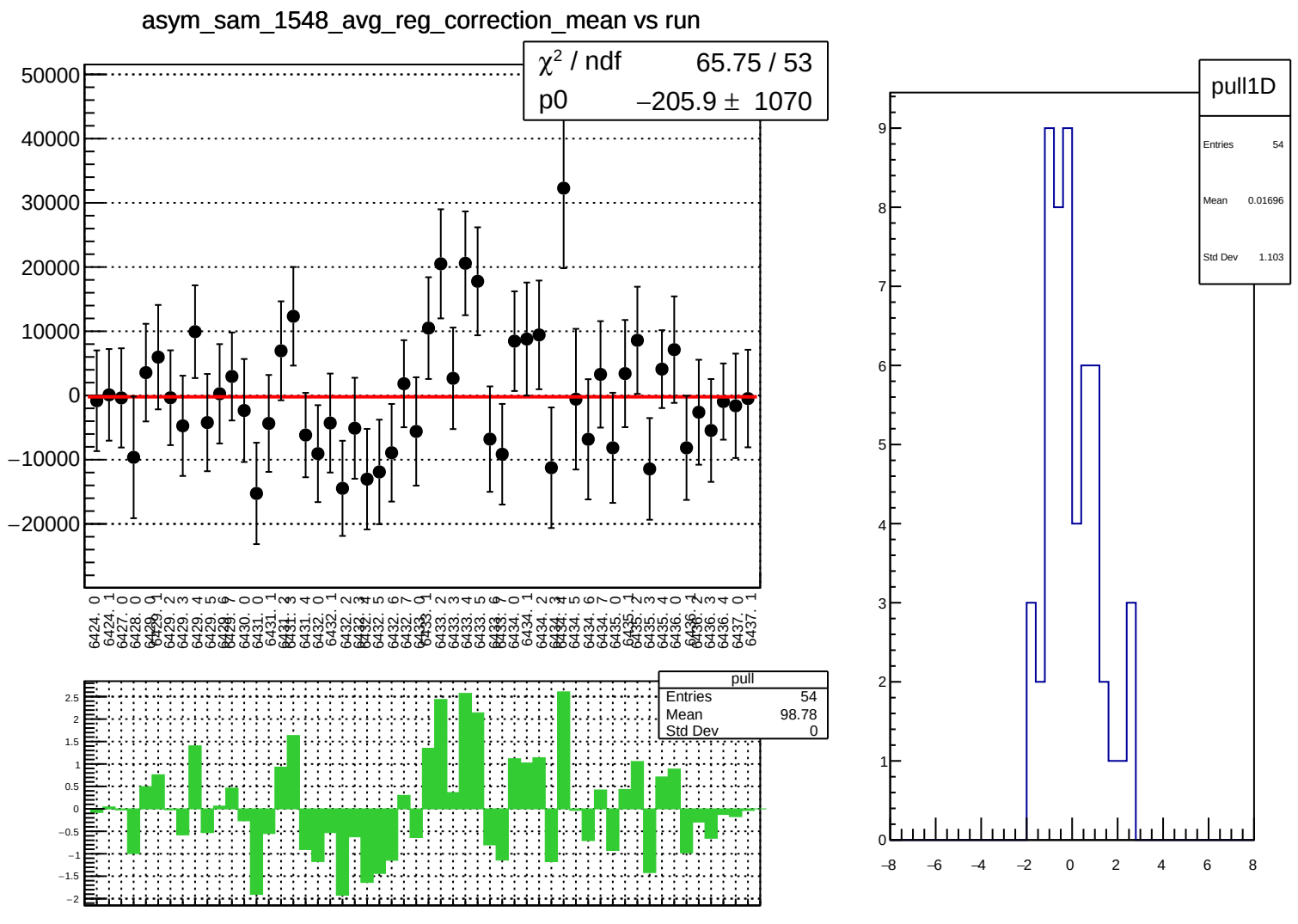

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.97 / 53
p0 1.696e−14 ± 1.278e−14
pull
Entries 54
Mean 15.33
Std Dev 0
pull1D
Entries 54
Mean −0.08483
Std Dev 1.135

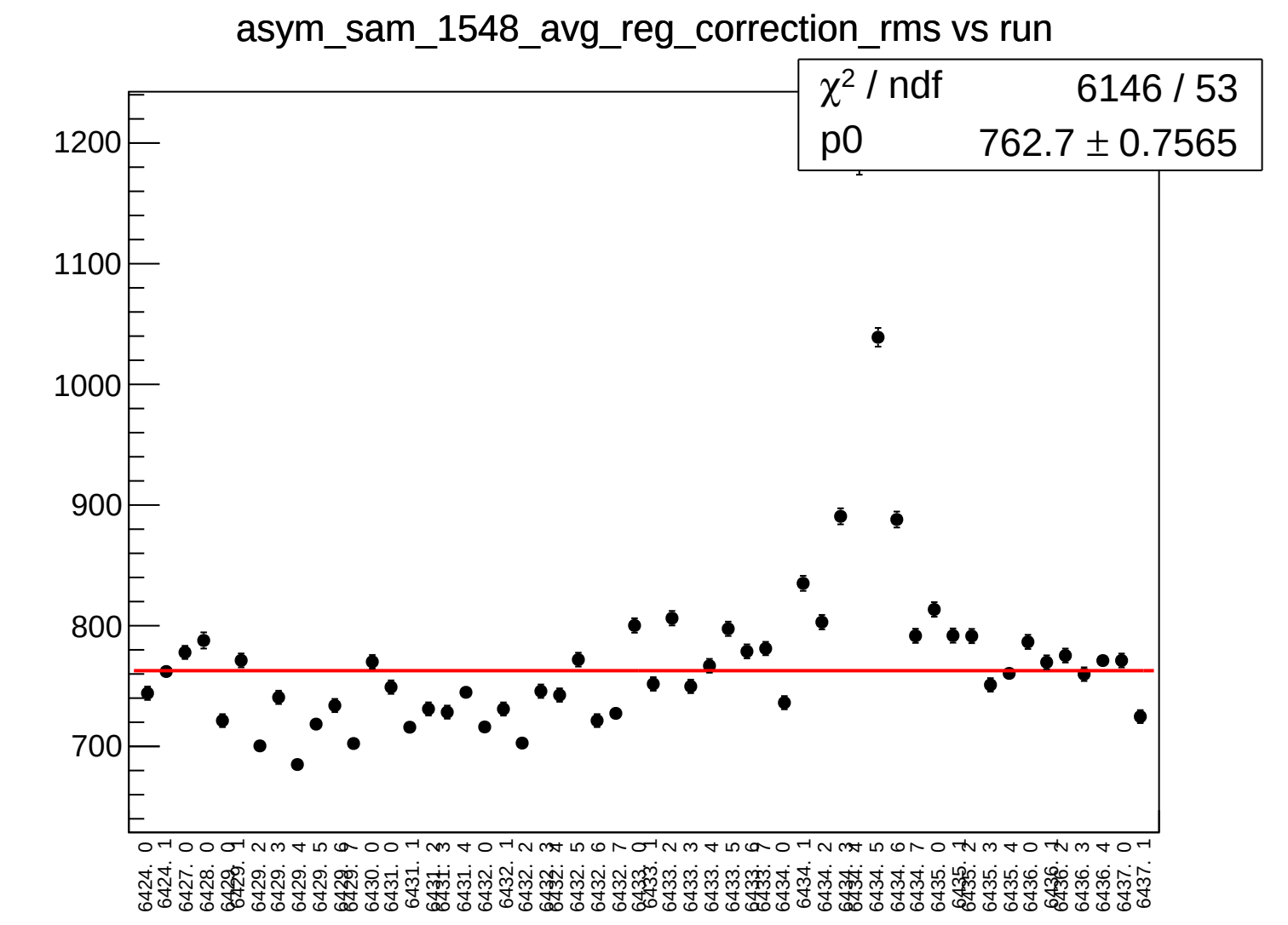

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.372e+05 / 53
p0 8.01e−12 ± 9.039e−15
45
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

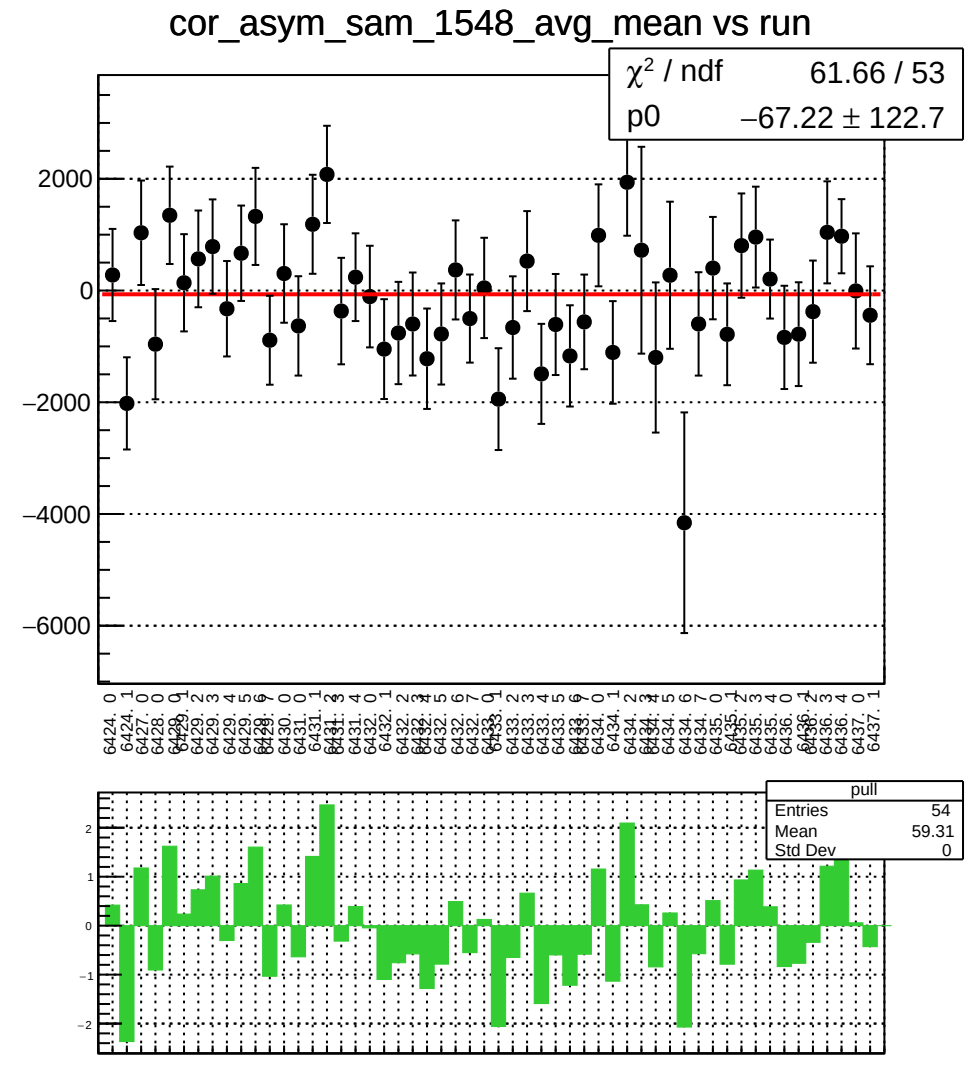

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 61.66 / 53
p0 −67.21± 122.7
pull
Entries 54
Mean 59.3
Std Dev 0

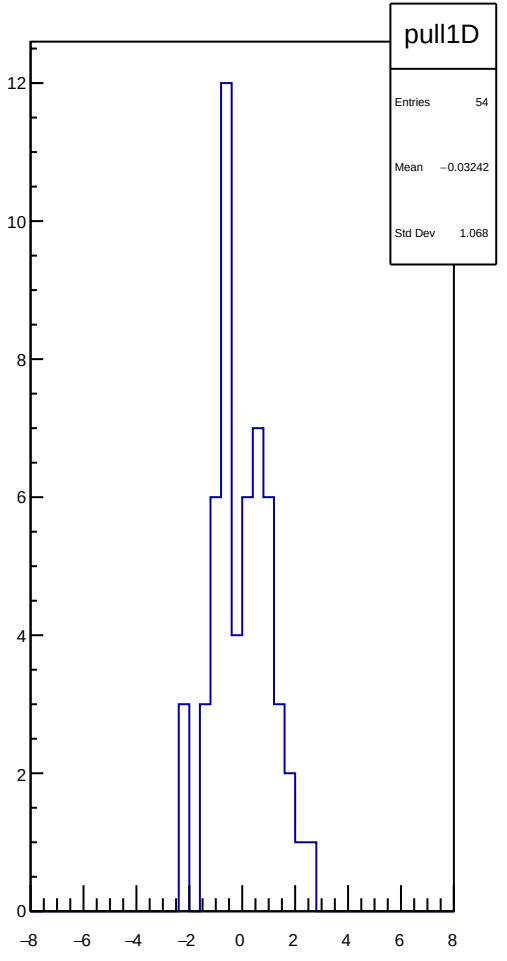

pull1D
Entries 54
Mean −0.03242
Std Dev 1.068

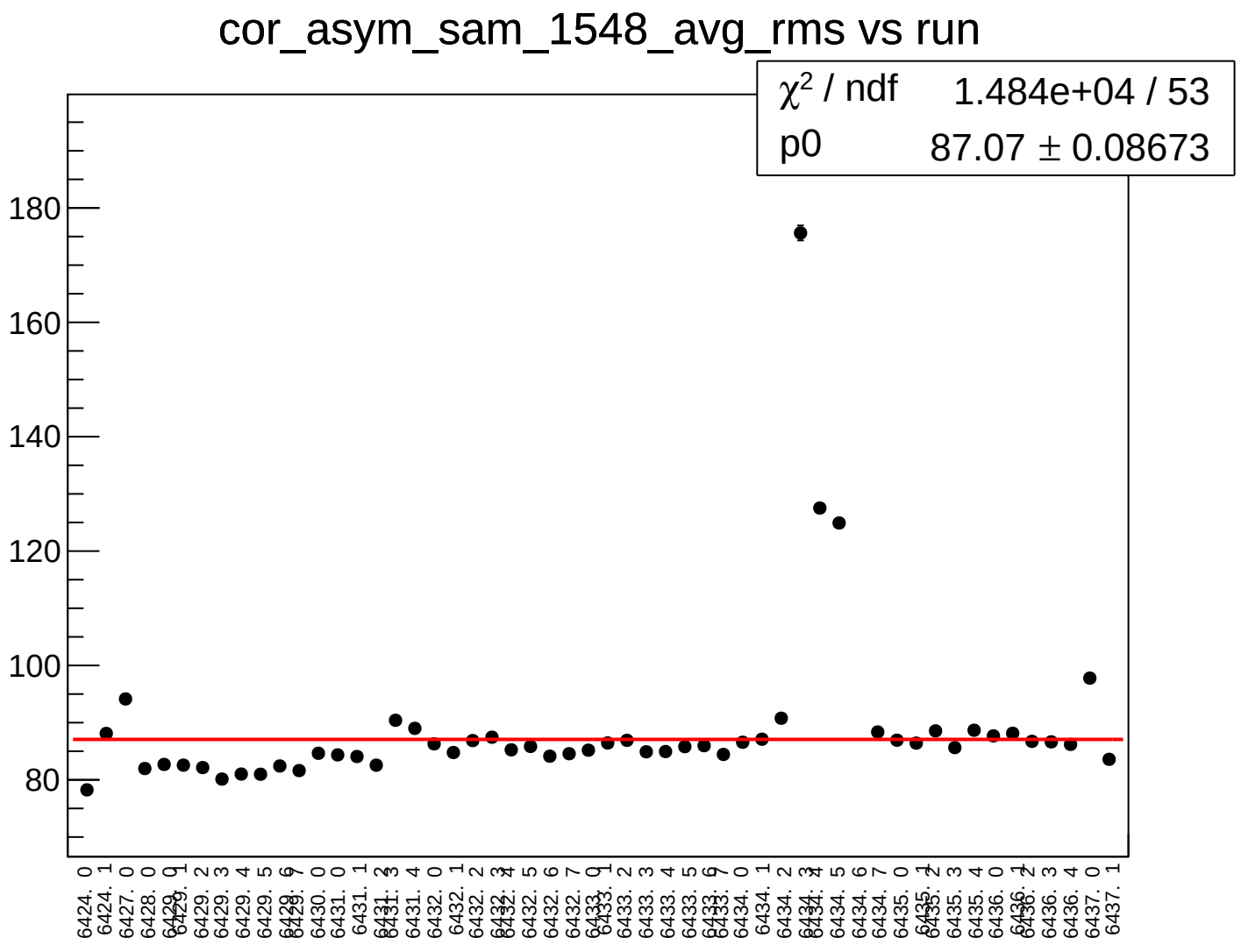

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 1.484e+04 / 53
p0 87.07 ± 0.08673
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

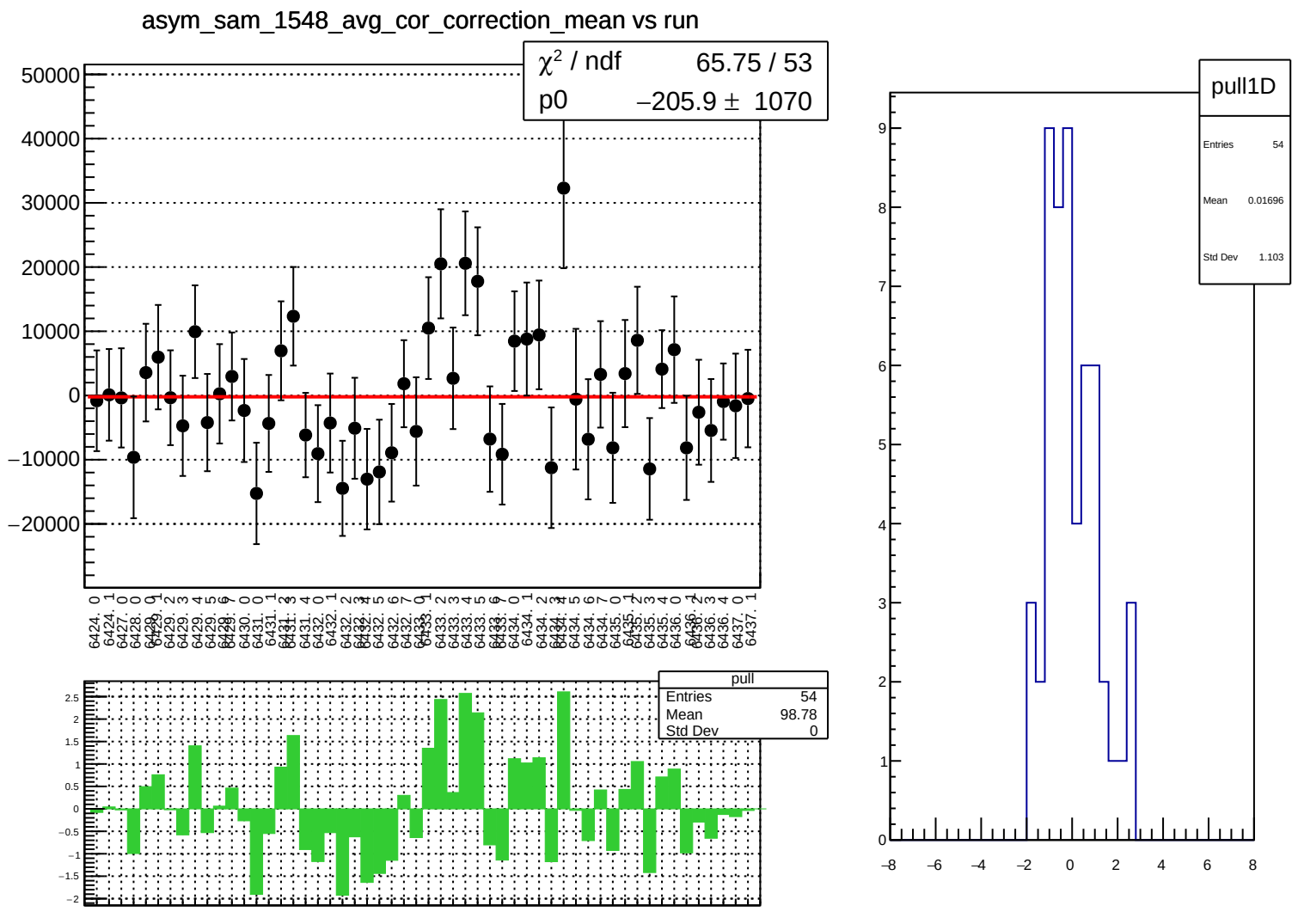

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 65.75 / 53
p0 −205.9 ± 1070
pull
Entries 54
Mean 98.78
Std Dev 0
pull1D
Entries 54
Mean 0.01696
Std Dev 1.103

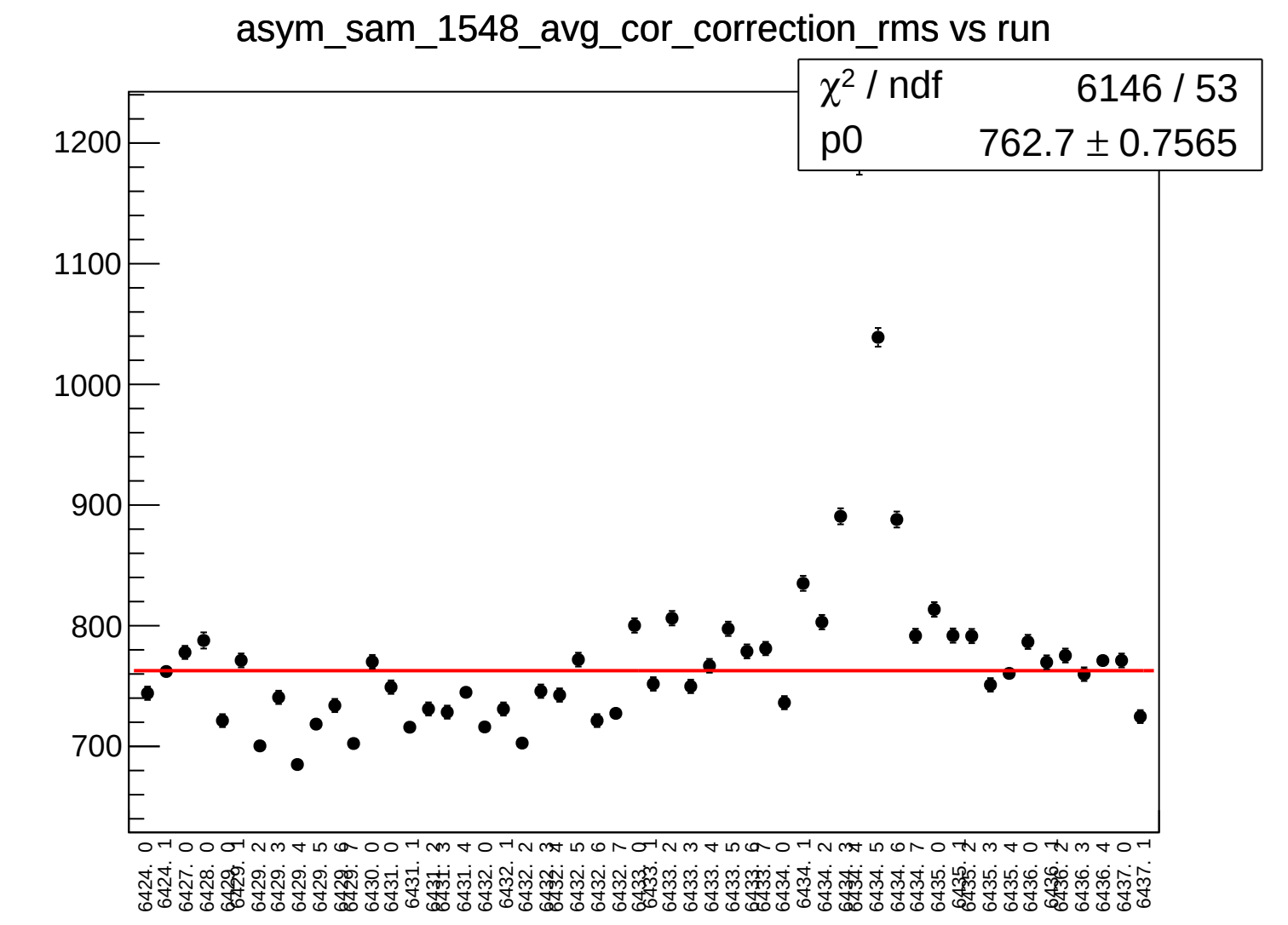

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 6146 / 53
p0 762.7 ± 0.7565
1200
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

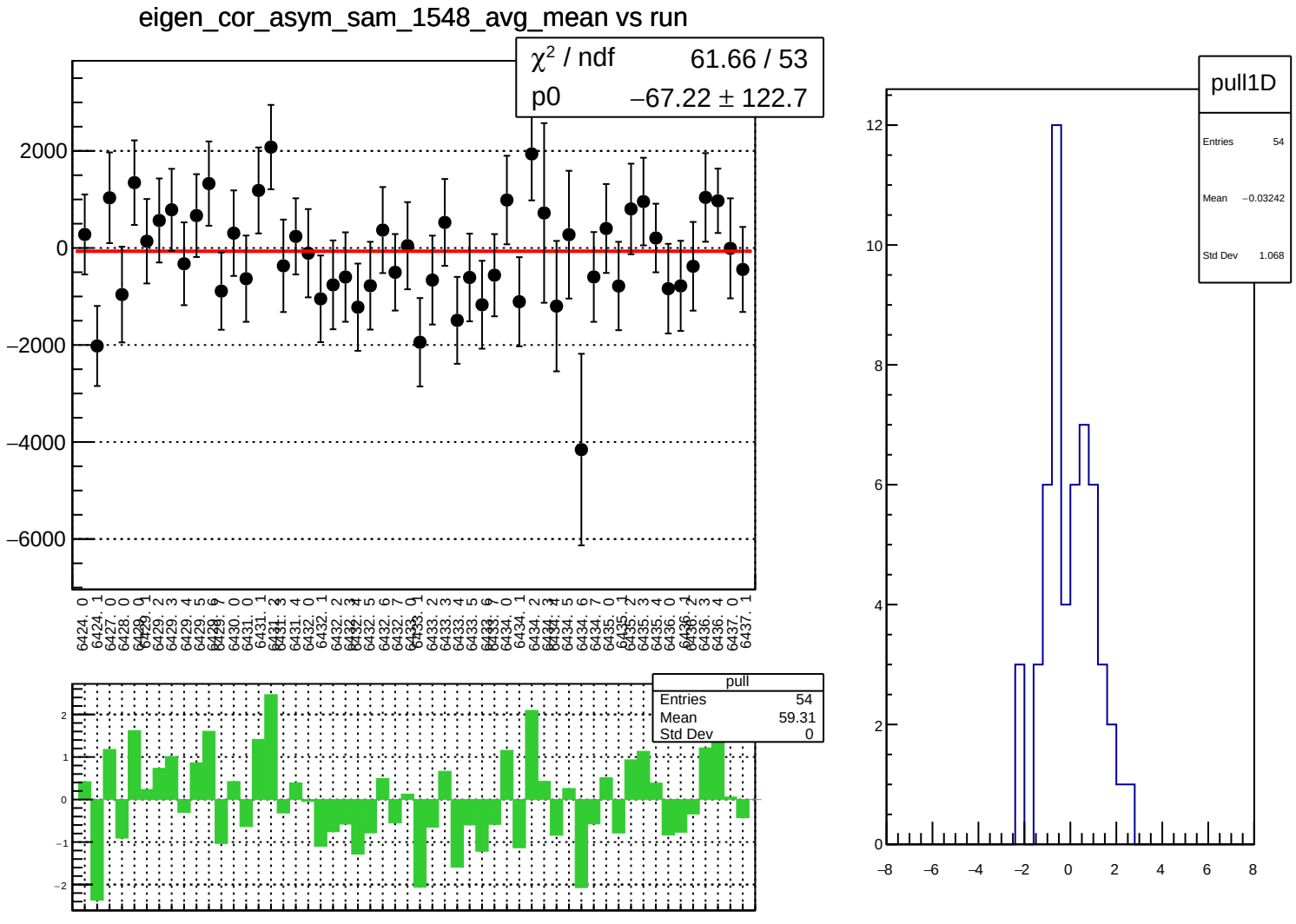

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 61.66 / 53
p0 −67.22 ± 122.7
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 59.31
Std Dev 0
2
1
0
−1
−2

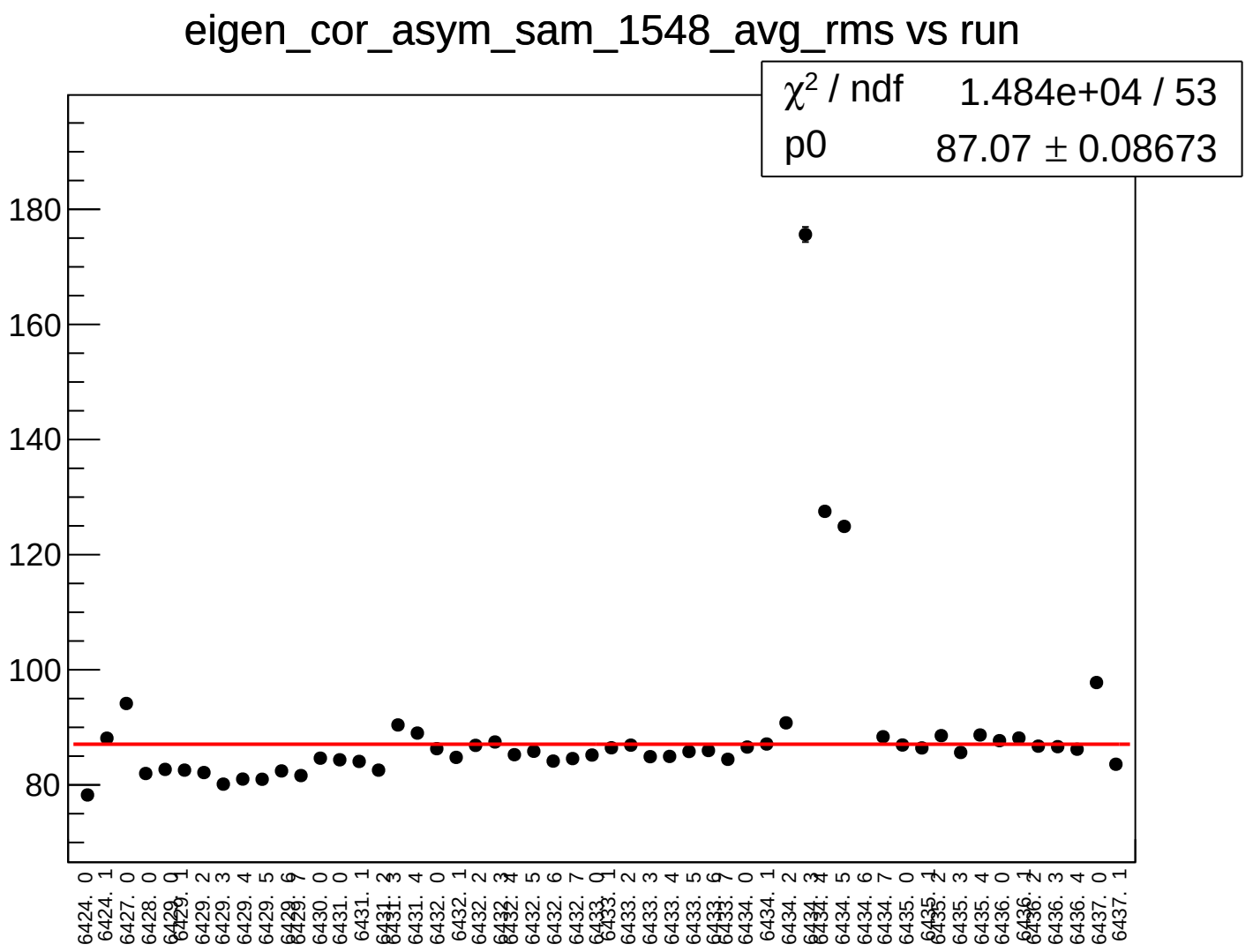

pull1D
Entries 54
Mean −0.03242
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

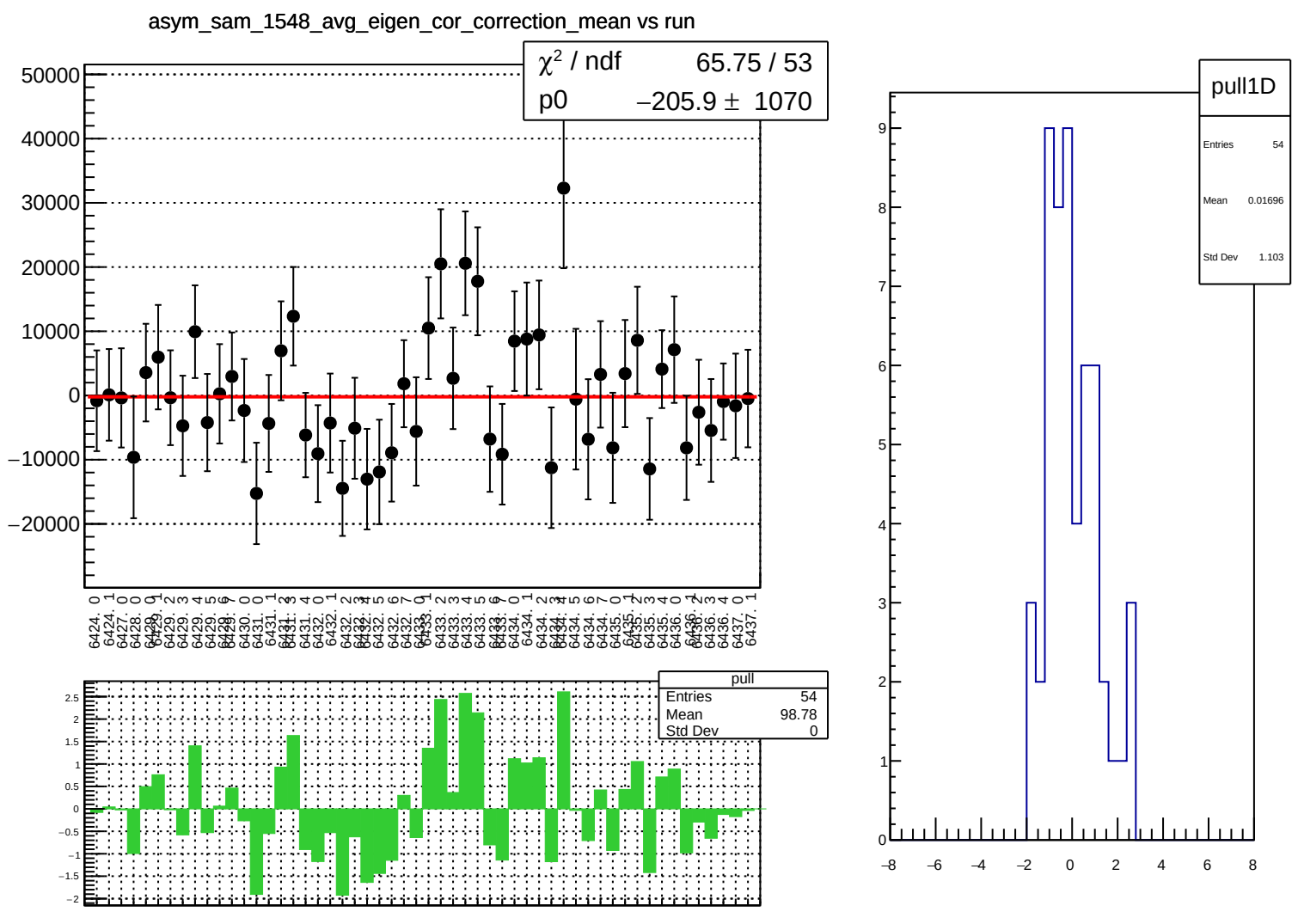

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.484e+04 / 53
p0 87.07 ± 0.08673
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

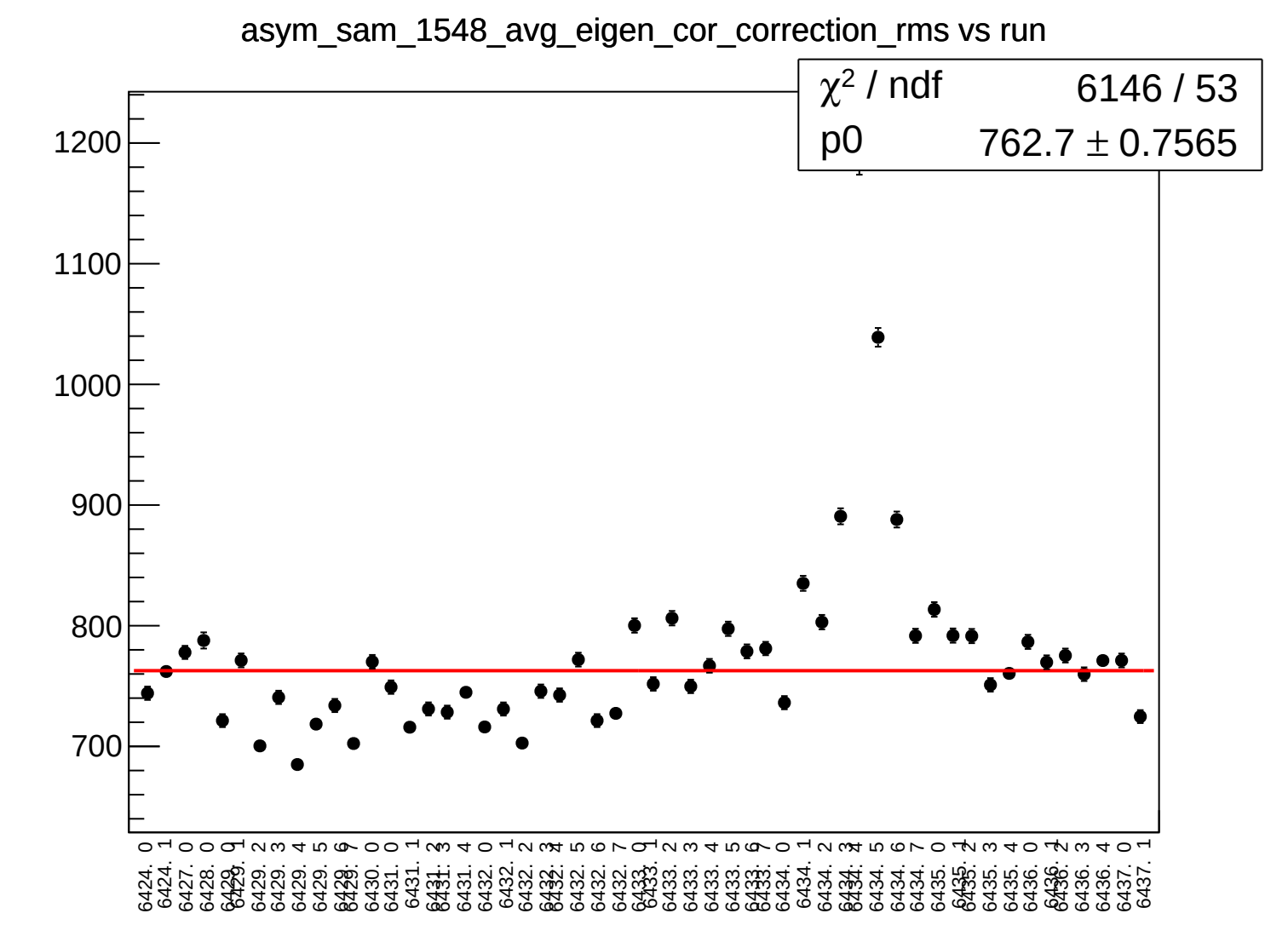

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 65.75 / 53
p0 −205.9 ± 1070
pull
Entries 54
Mean 98.78
Std Dev 0
pull1D
Entries 54
Mean 0.01696
Std Dev 1.103

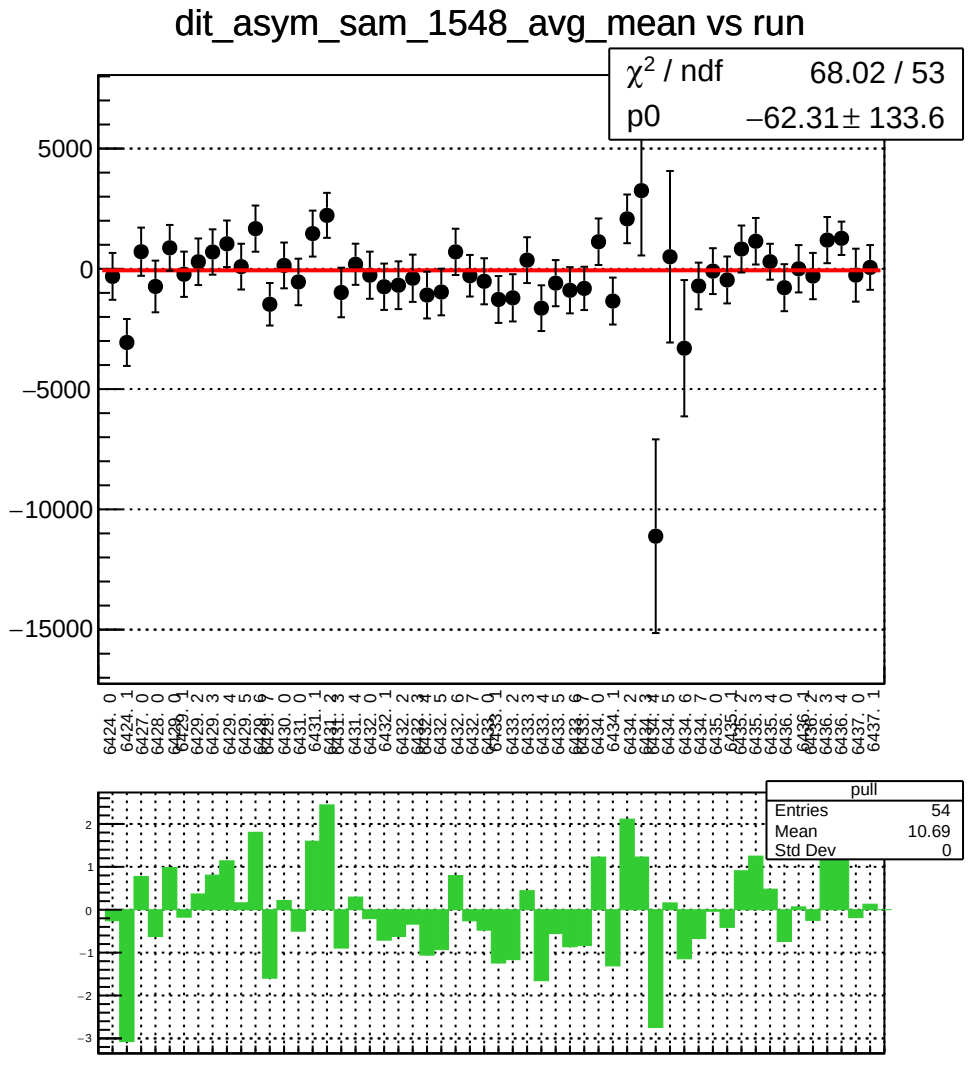

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 6146 / 53
p0 762.7 ± 0.7565
1200
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

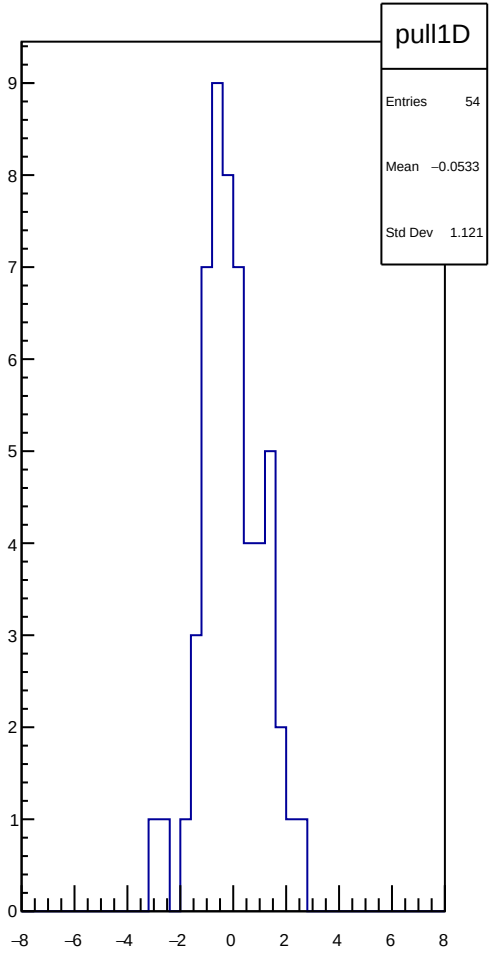

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 61.66 / 53
p0 −67.22 ± 122.7
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 59.31
Std Dev 0
pull1D
Entries 54
Mean −0.03242
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

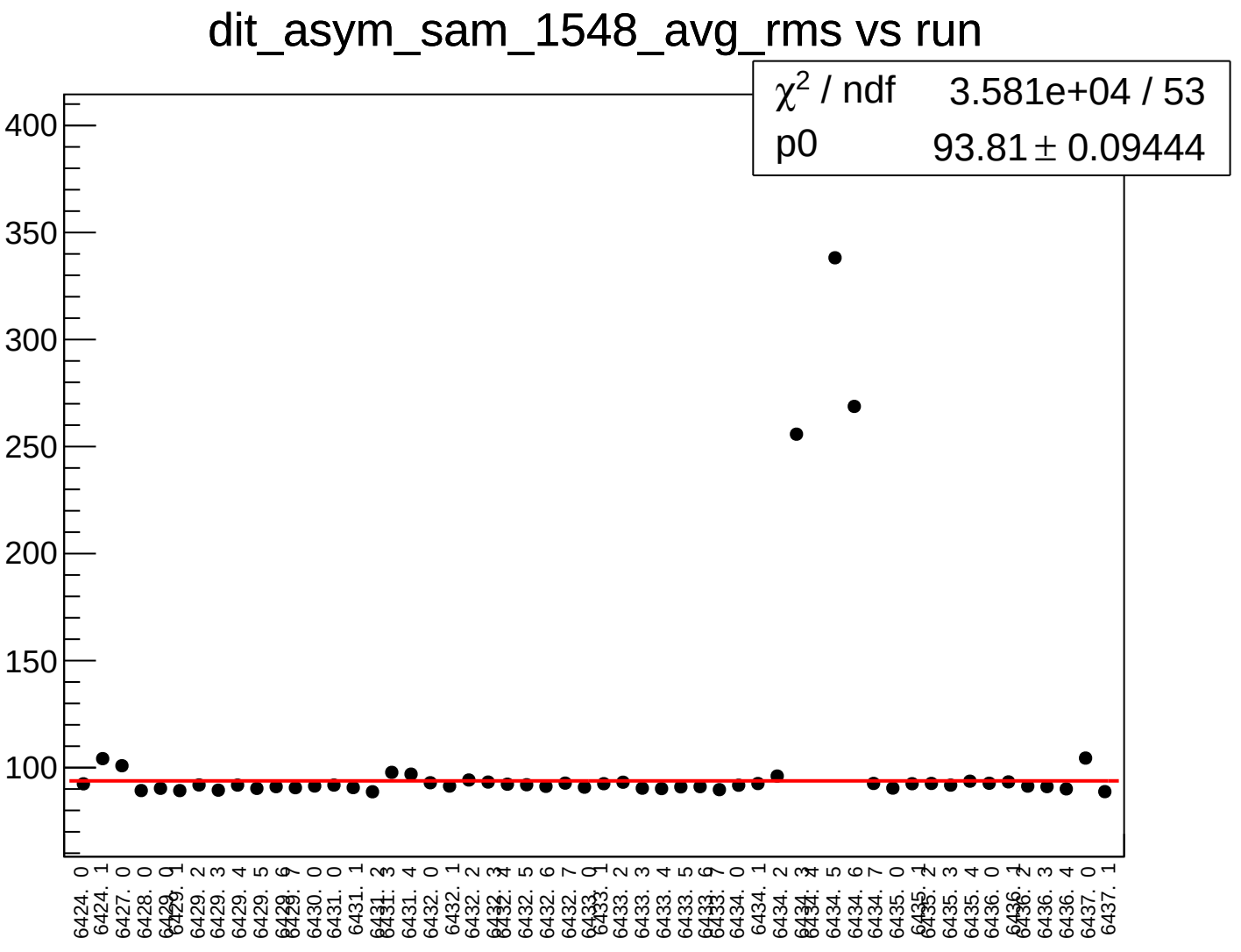

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.484e+04 / 53
p0 87.07 ± 0.08673
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

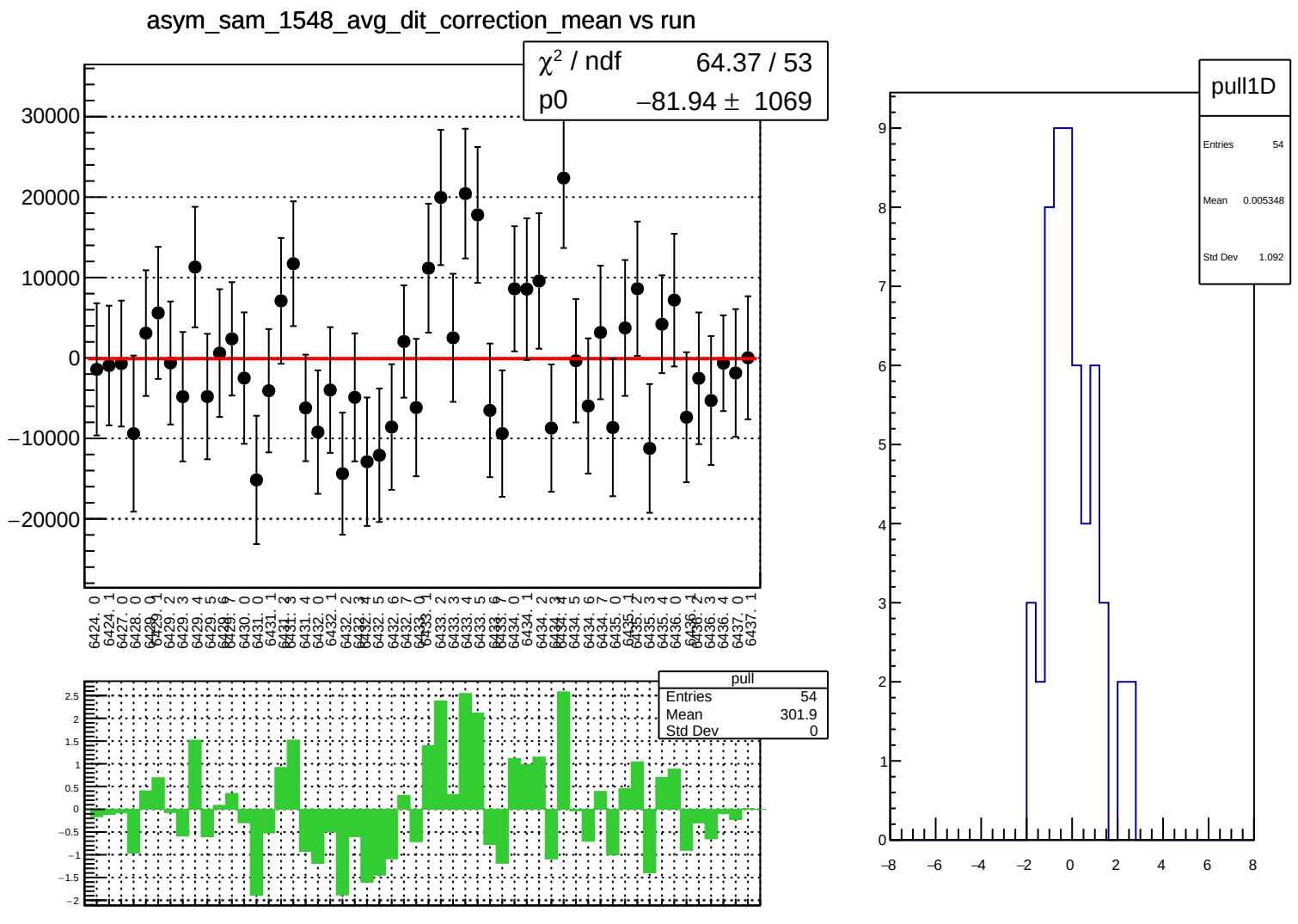

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 65.75 / 53
p0 −205.9 ± 1070
pull
Entries 54
Mean 98.78
Std Dev 0
pull1D
Entries 54
Mean 0.01696
Std Dev 1.103

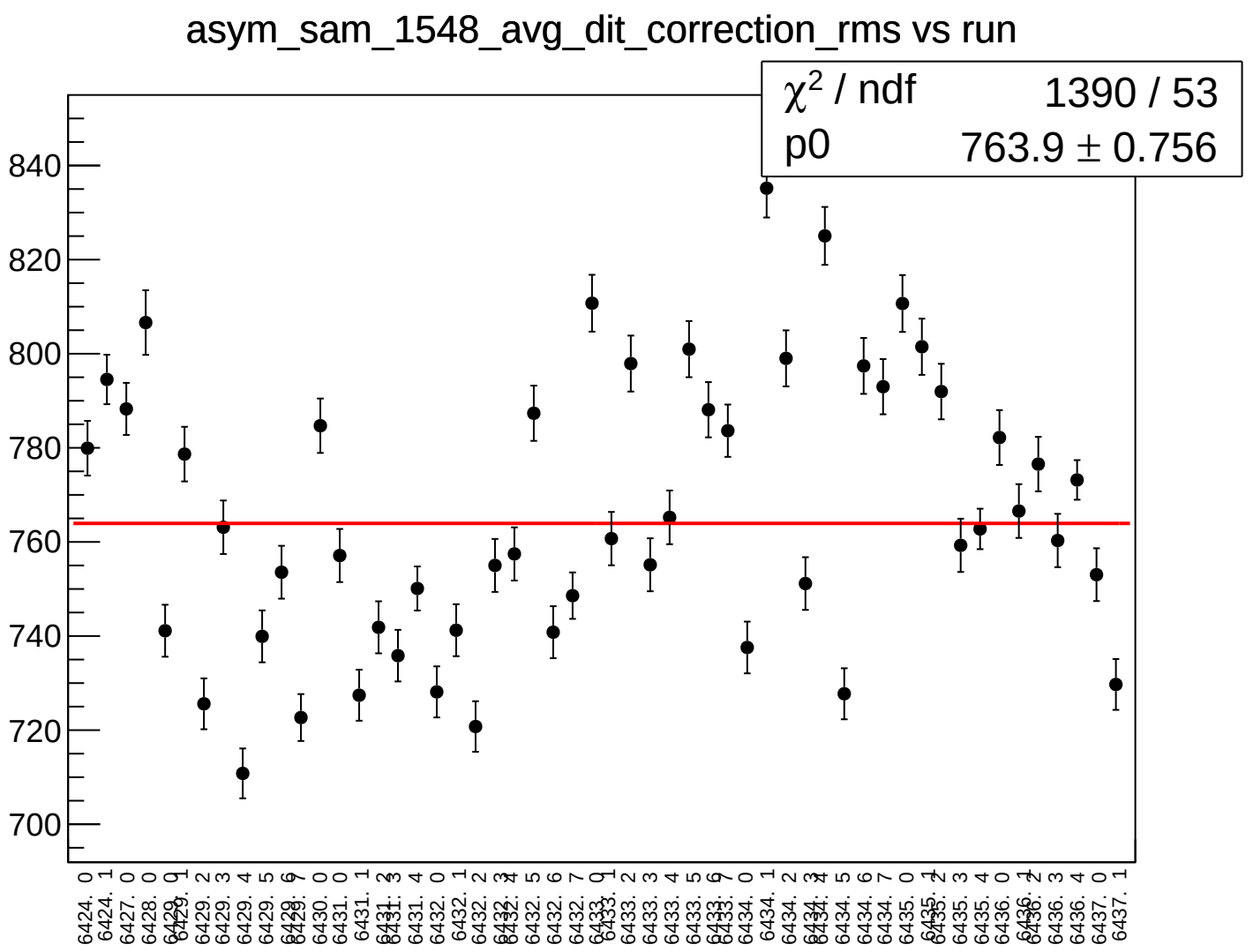

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 6146 / 53
p0 762.7 ± 0.7565
1200
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

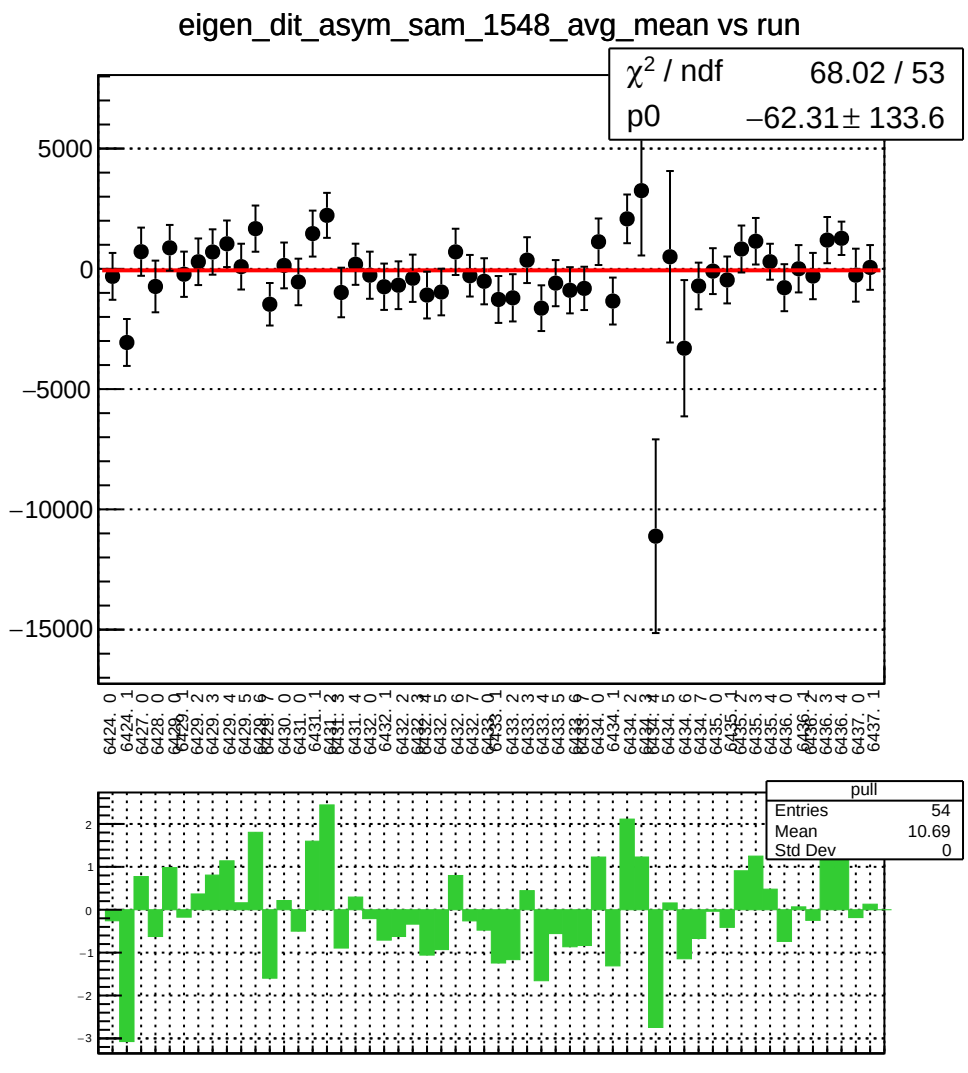

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 68.02 / 53
p0 −62.31 ± 133.6
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 10.69
Std Dev 0
2
1
0
−1
−2
−3

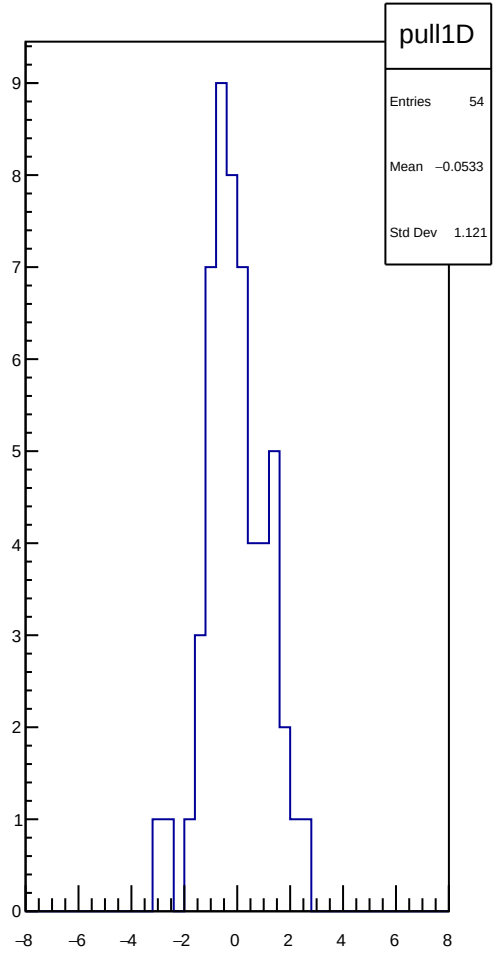

pull1D
Entries 54
Mean −0.0533
Std Dev 1.121
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

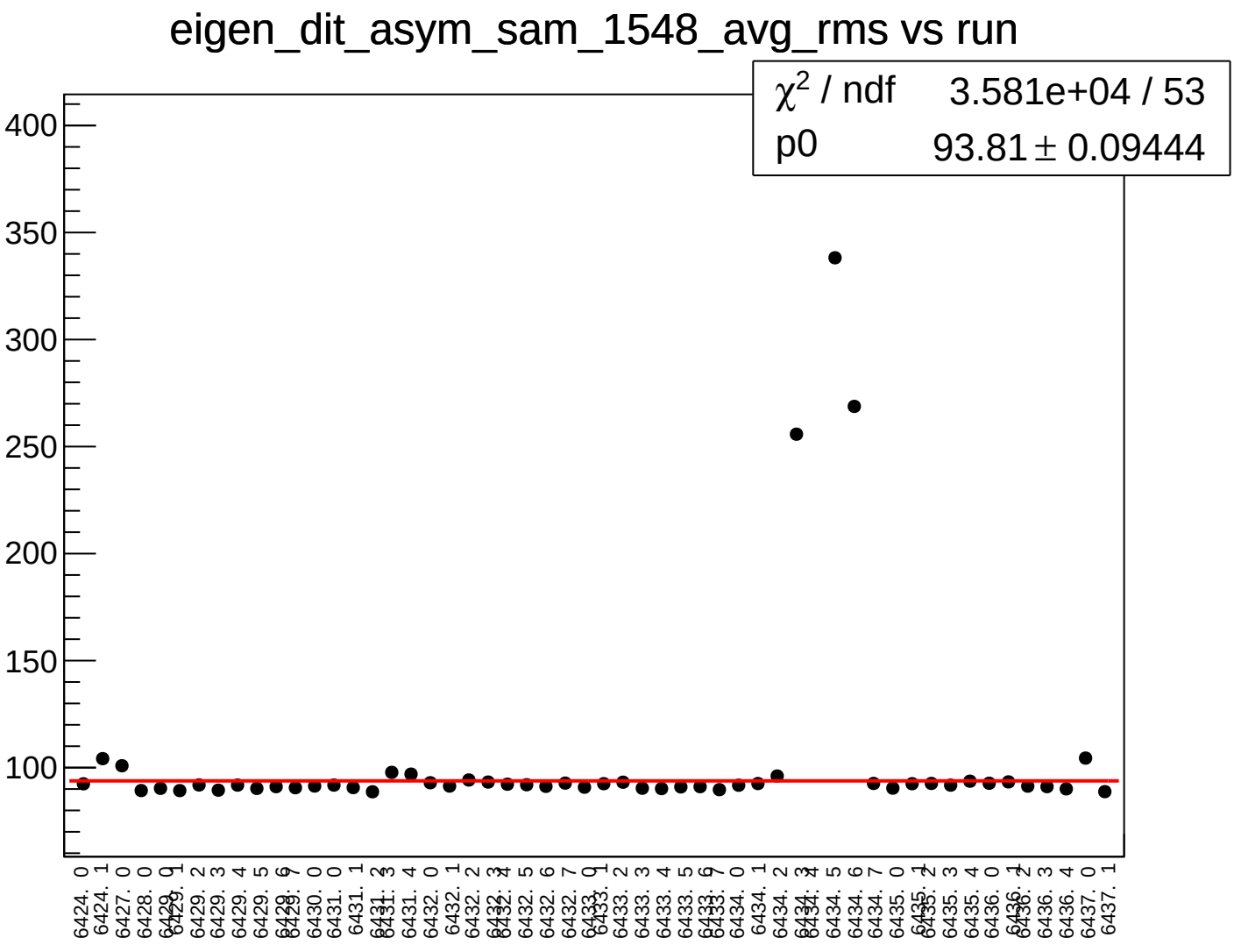

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3.581e+04 / 53
p0 93.81 ± 0.09444
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

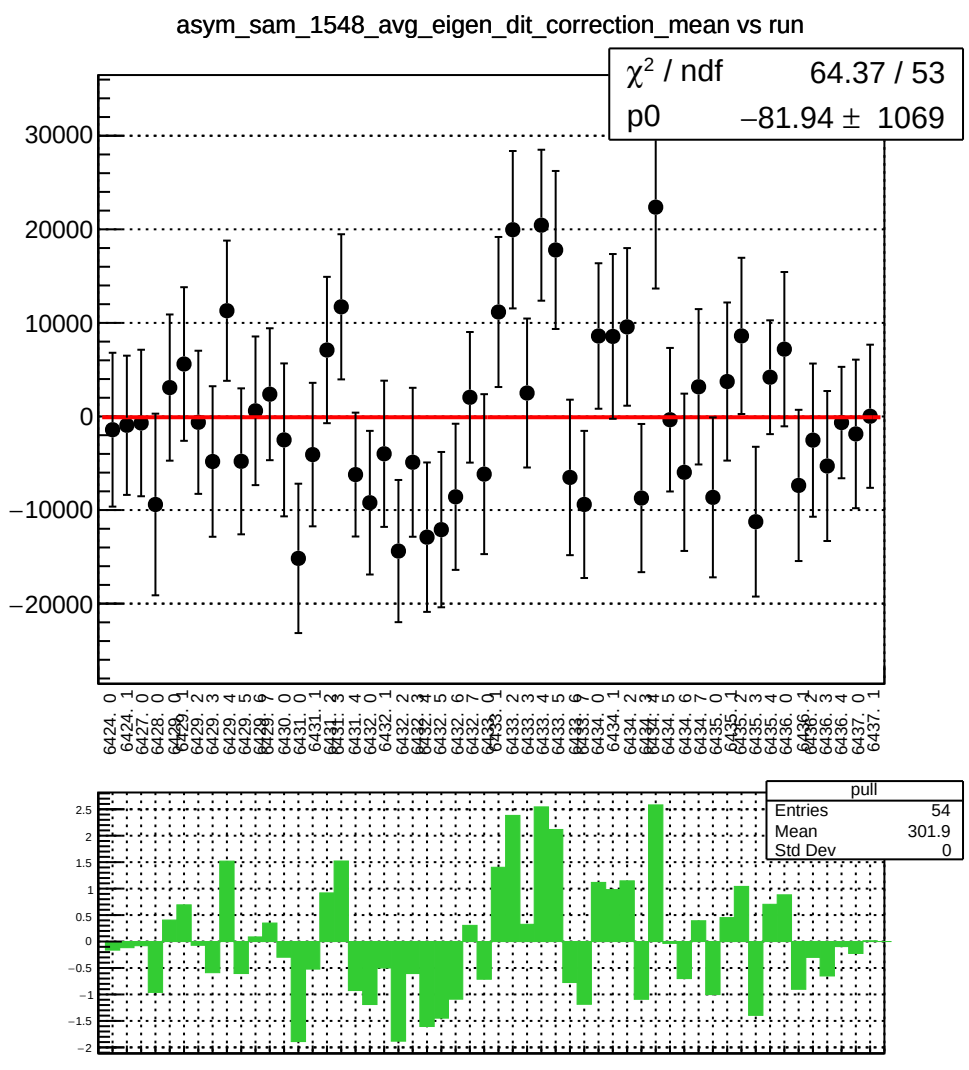

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 64.37 / 53
p0 −81.94 ± 1069
pull
Entries 54
Mean 301.9
Std Dev 0
pull1D
Entries 54
Mean 0.005348
Std Dev 1.092

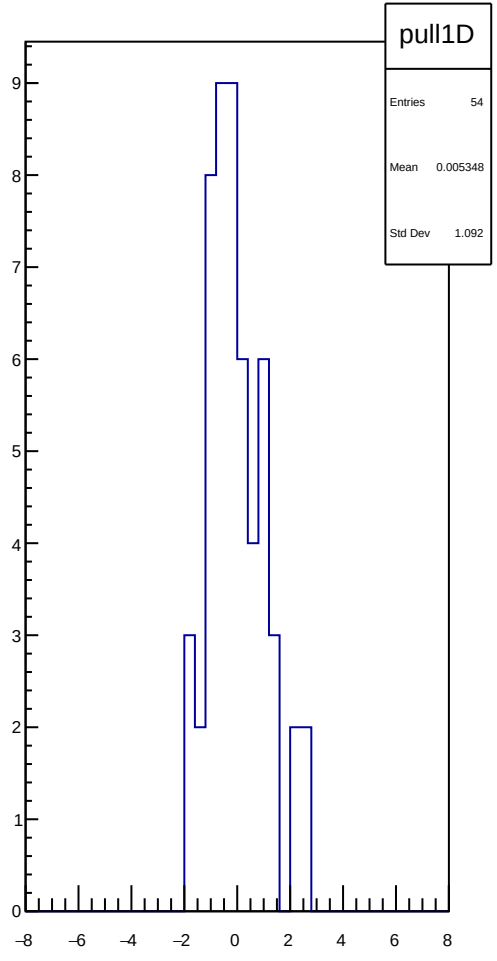

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1390 / 53
p0 763.9 ± 0.756
840
820
800
780
760
740
720
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

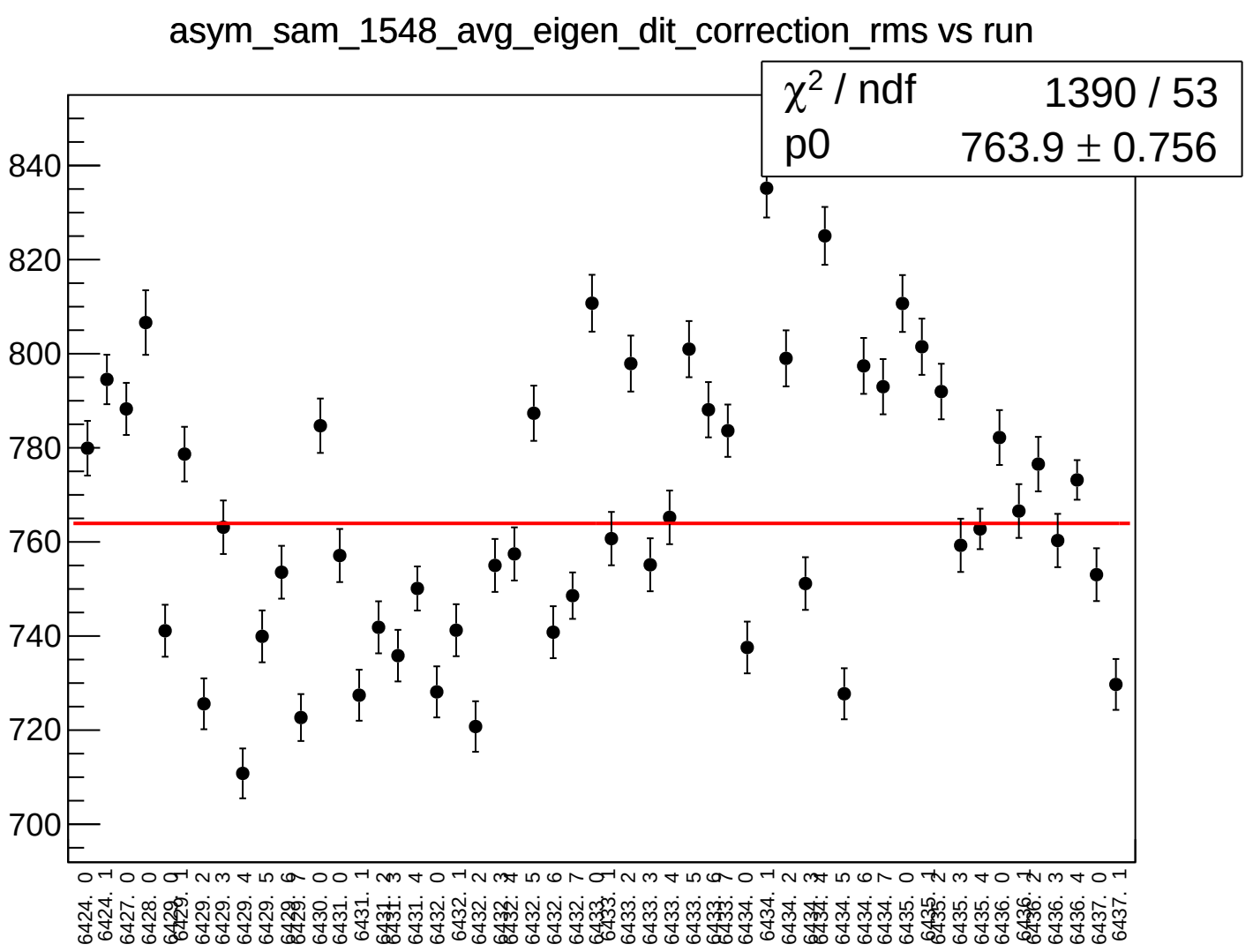

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 68.02 / 53
p0 −62.31 ± 133.6
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 10.69
Std Dev 0
2
1
0
−1
−2
−3

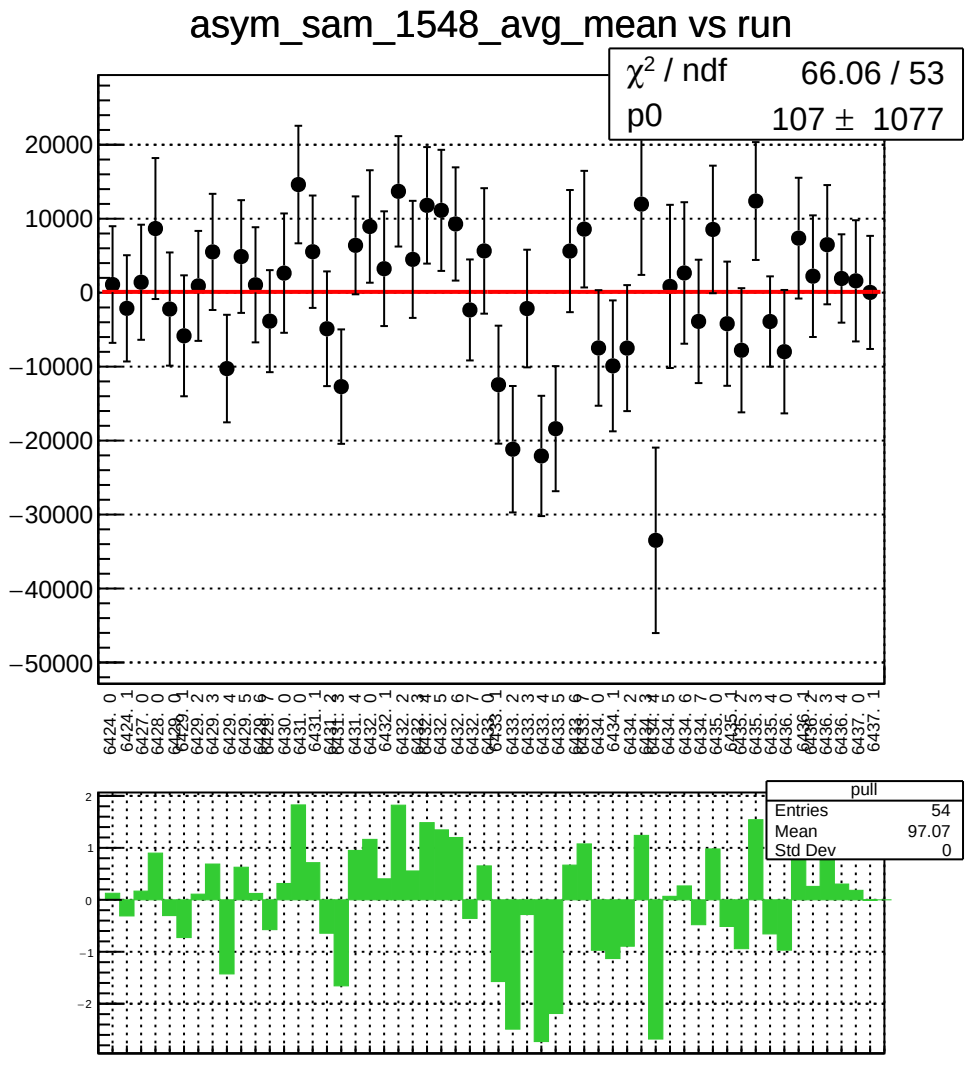

pull1D
Entries 54
Mean −0.0533
Std Dev 1.121
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

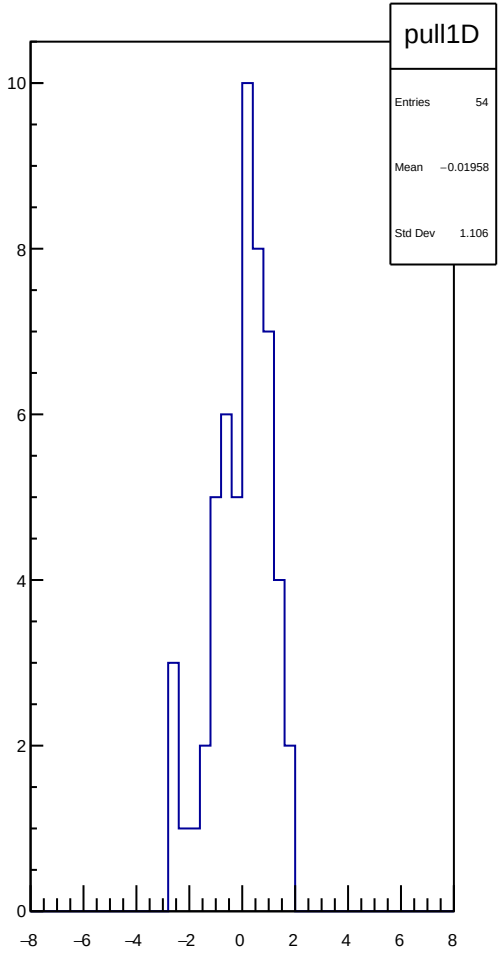

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3.581e+04 / 53
p0 93.81 ± 0.09444
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

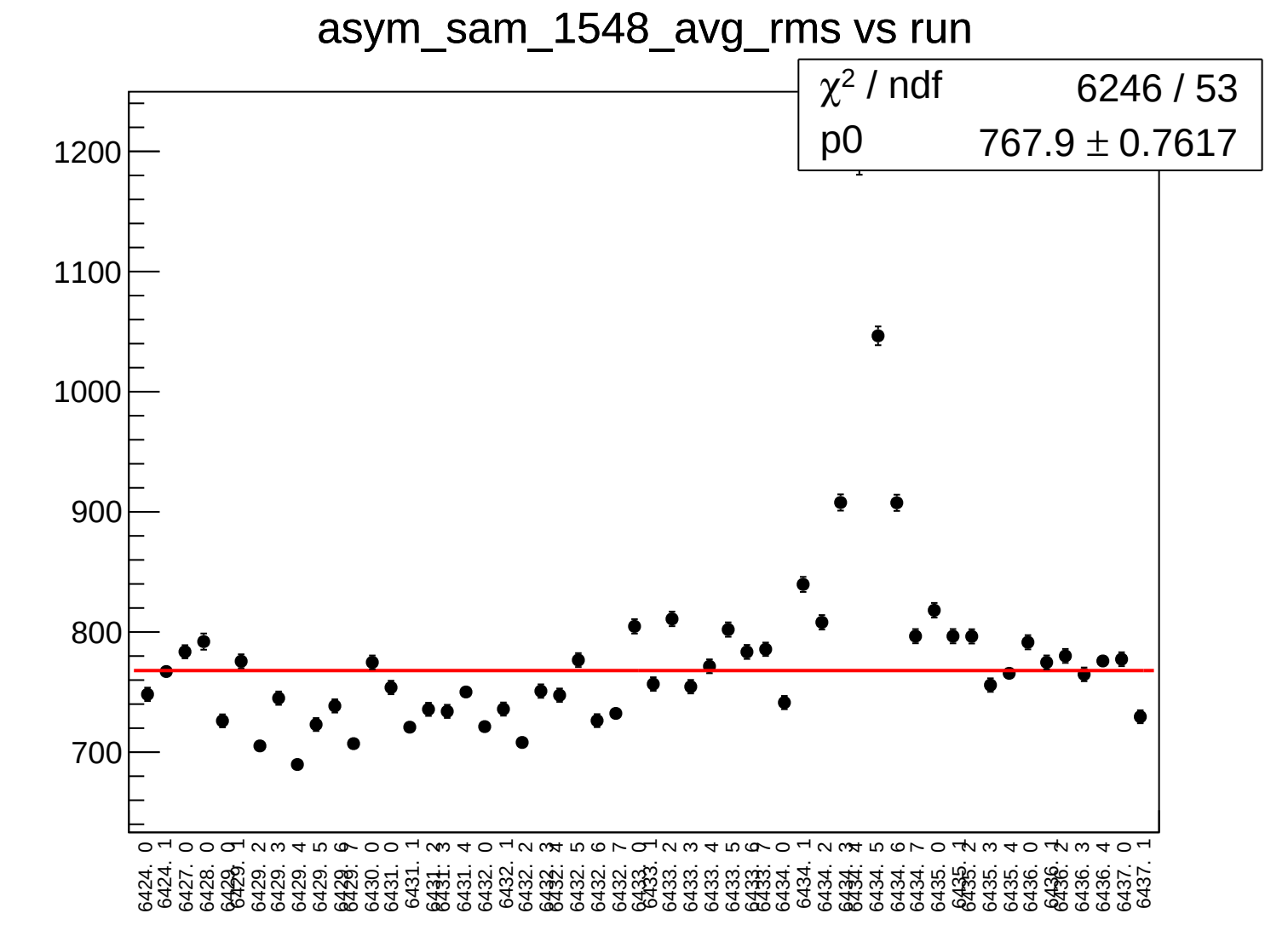

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 64.37 / 53
p0 −81.94 ± 1069
pull
Entries 54
Mean 301.9
Std Dev 0

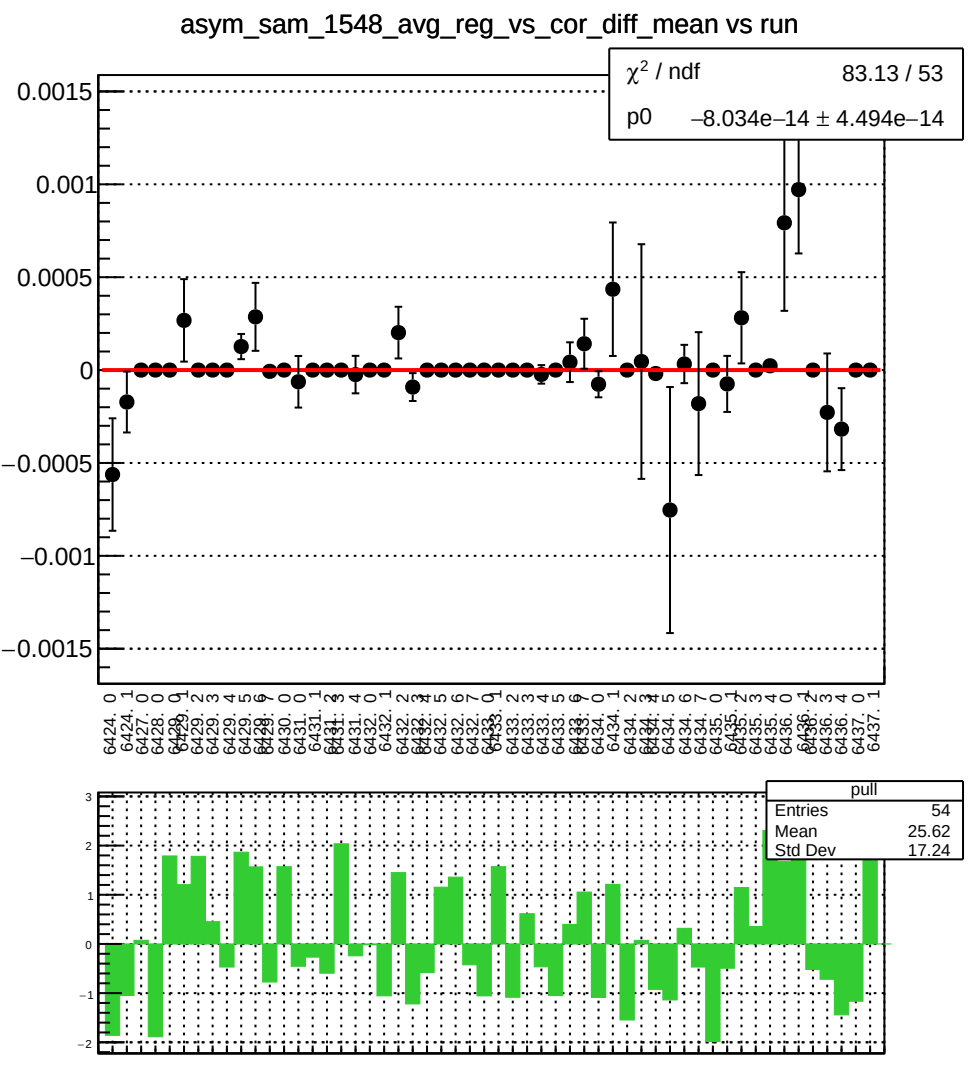

pull1D
Entries 54
Mean 0.005348
Std Dev 1.092

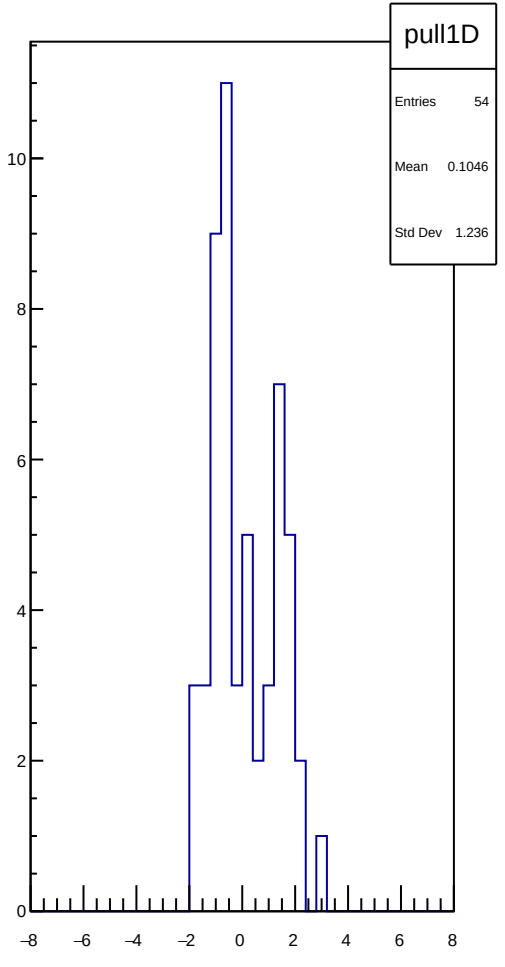

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1390 / 53
p0 763.9 ± 0.756
840
820
800
780
760
740
720
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

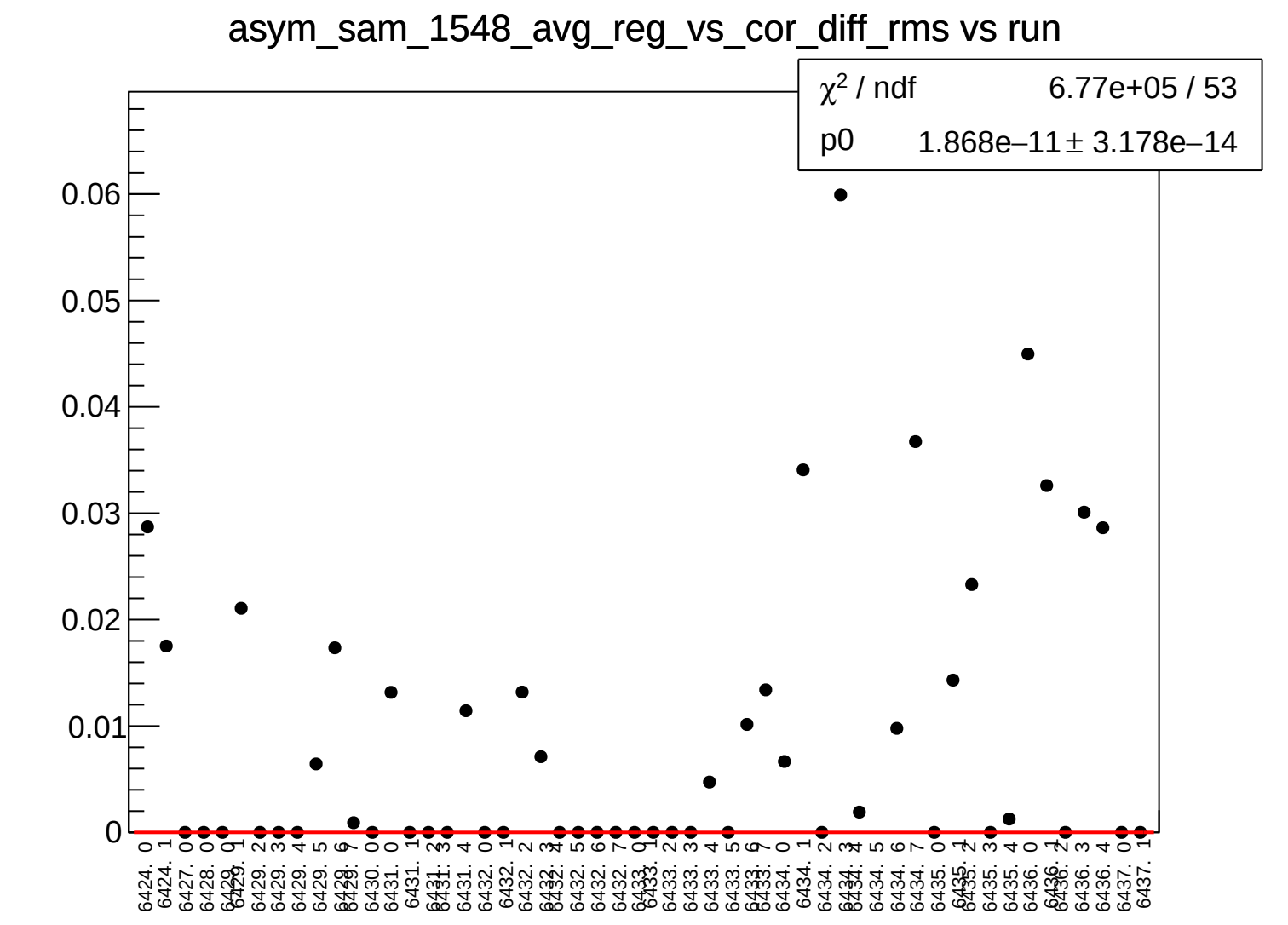

asym_sam_1548_avg_mean vs run
χ² / ndf 66.06 / 53
p0 107 ± 1077
pull
Entries 54
Mean 97.07
Std Dev 0


pull1D
Entries 54
Mean −0.01958
Std Dev 1.106


asym_sam_1548_avg_rms vs run
χ² / ndf 6246 / 53
p0 767.9 ± 0.7617
1200
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.13 / 53
p0 −8.034e−14 ± 4.494e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 54
Mean 25.62
Std Dev 17.24
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.1046
Std Dev 1.236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.77e+05 / 53
p0 1.868e−11 ± 3.178e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
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6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
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6432. 7
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6433. 1
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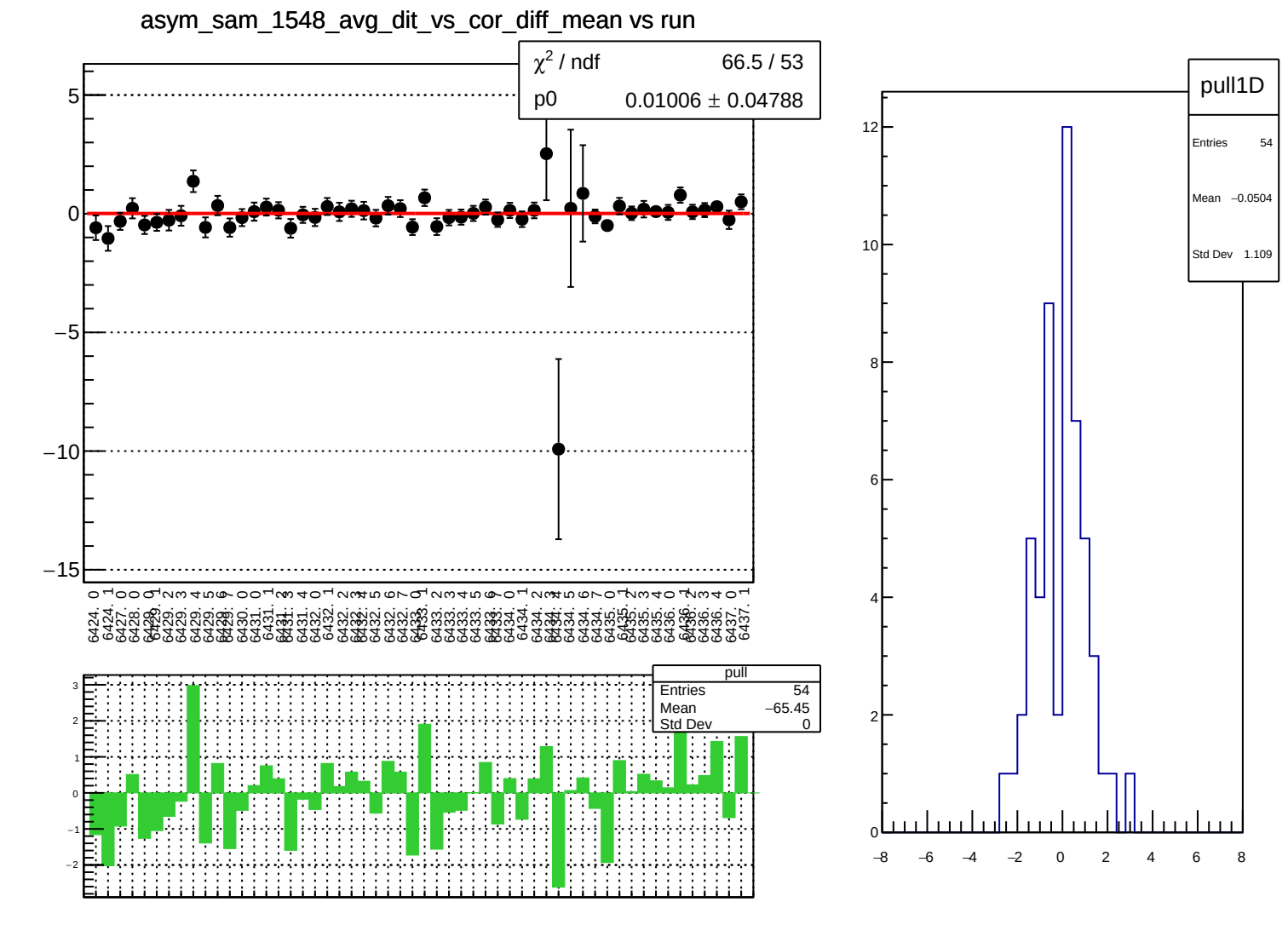
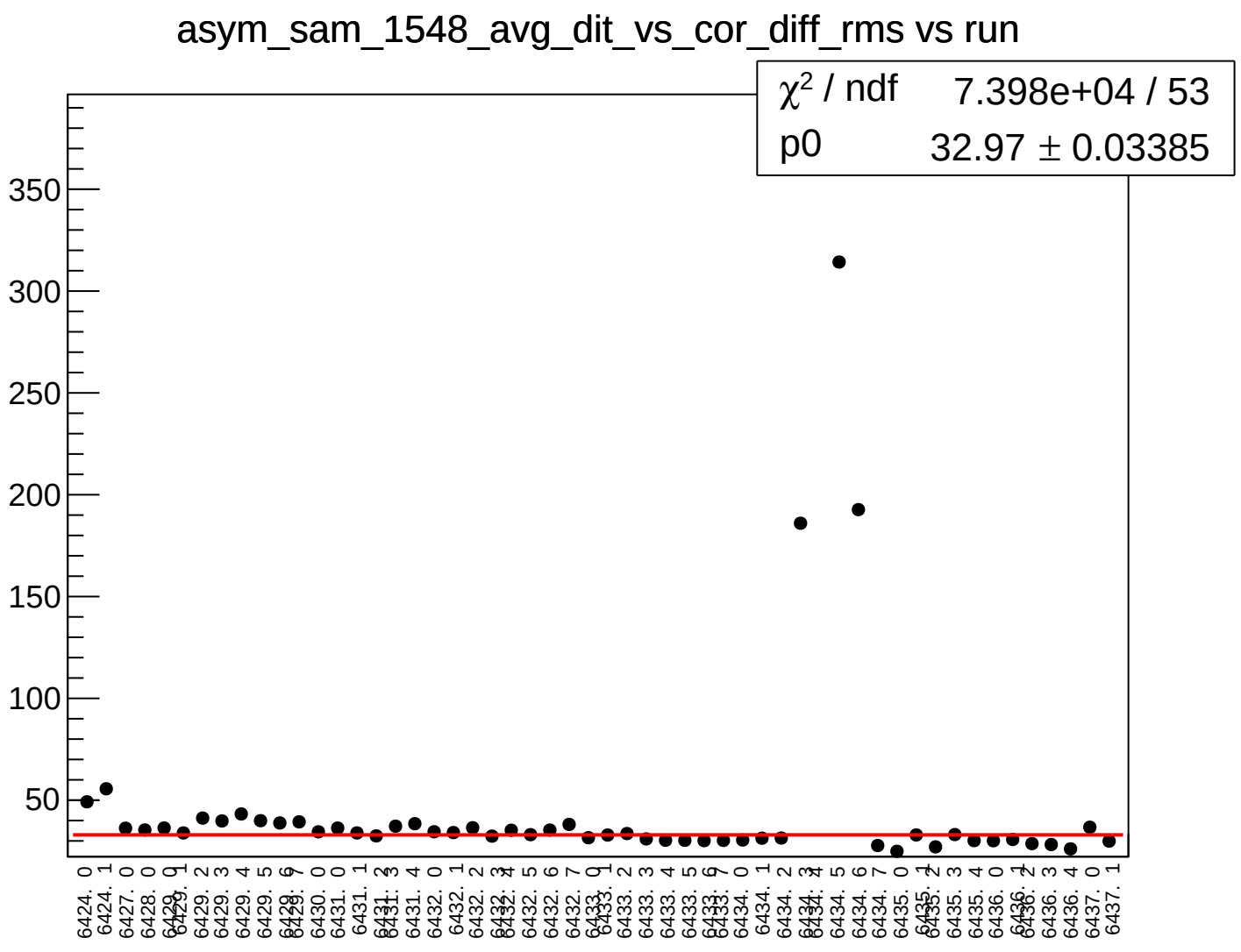
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.5 / 53
p0 0.01006 ± 0.04788
pull
Entries 54
Mean −65.45
Std Dev 0
pull1D
Entries 54
Mean −0.0504
Std Dev 1.109


asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.398e+04 / 53
p0 32.97 ± 0.03385
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6436. 0
6436. 3
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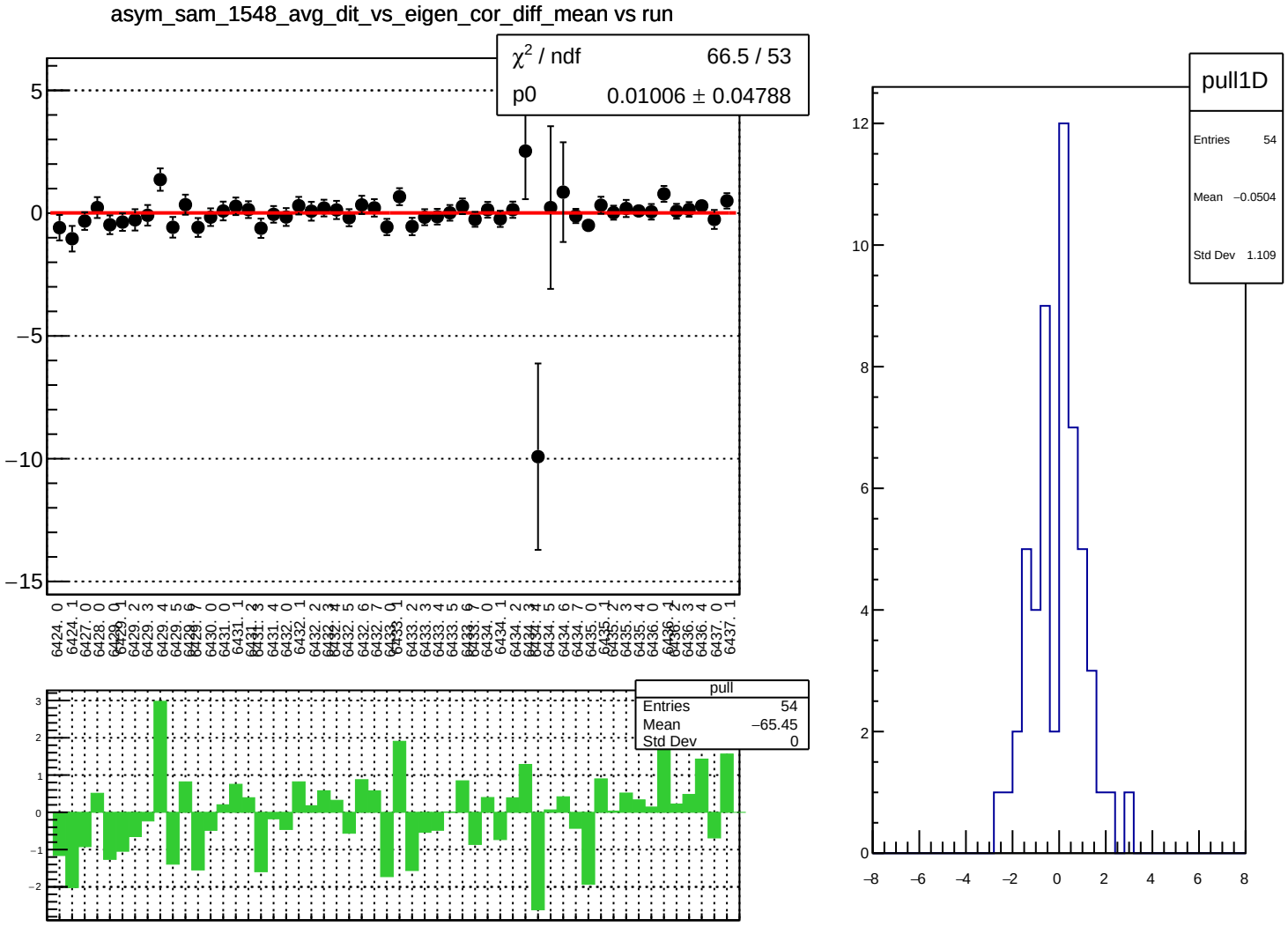
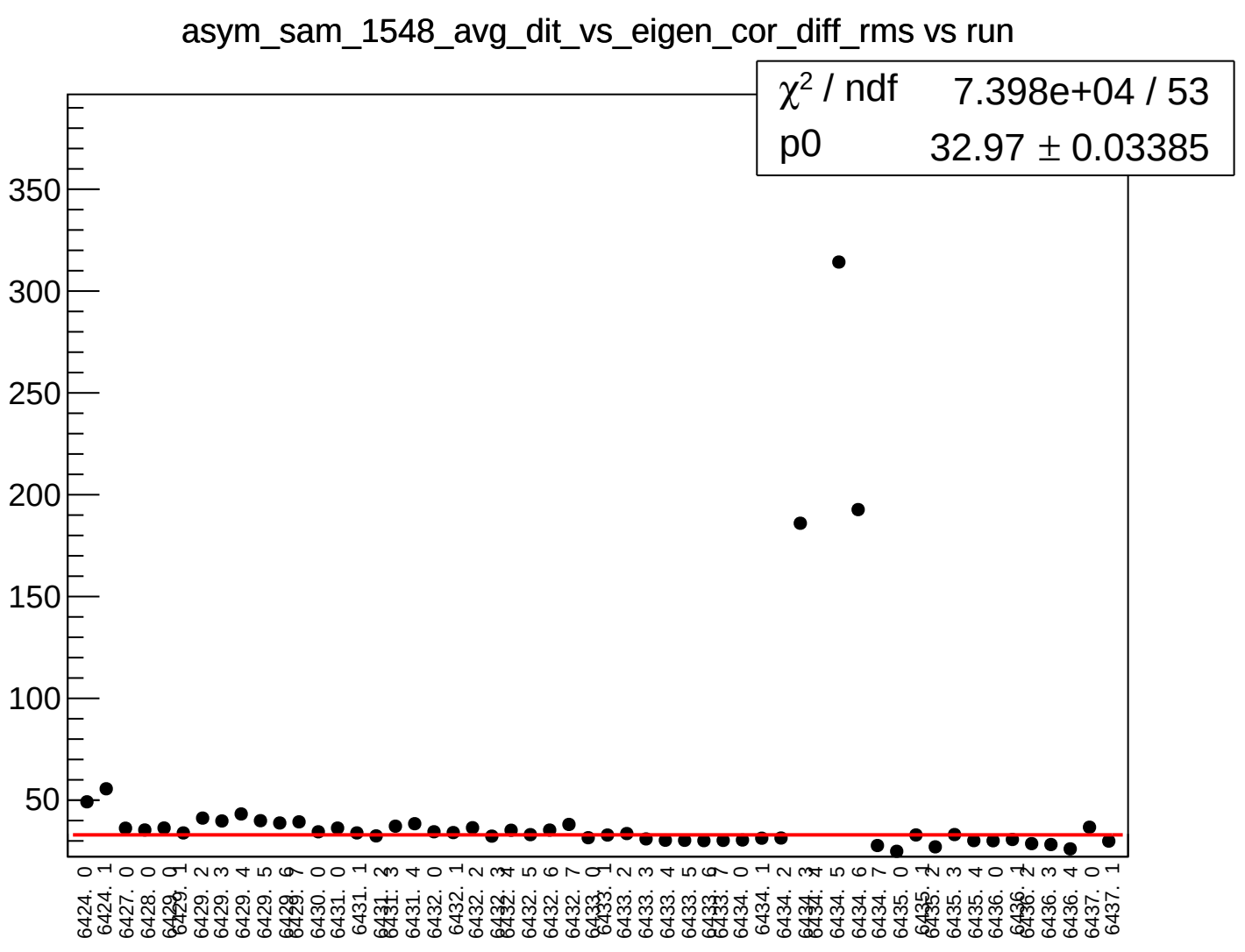
6437. 0
6437. 1


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.5 / 53
p0 0.01006 ± 0.04788
pull
Entries 54
Mean −65.45
Std Dev 0
pull1D
Entries 54
Mean −0.0504
Std Dev 1.109


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.398e+04 / 53
p0 32.97 ± 0.03385
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
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6436. 0
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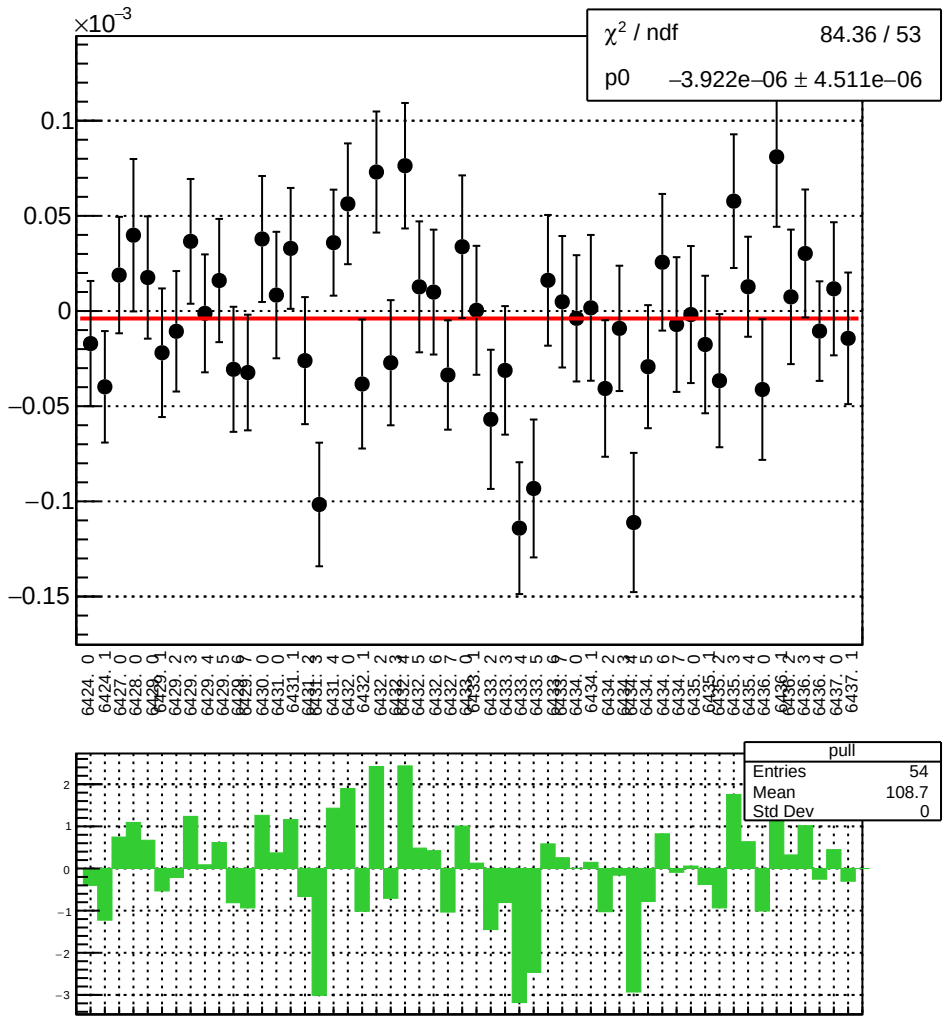
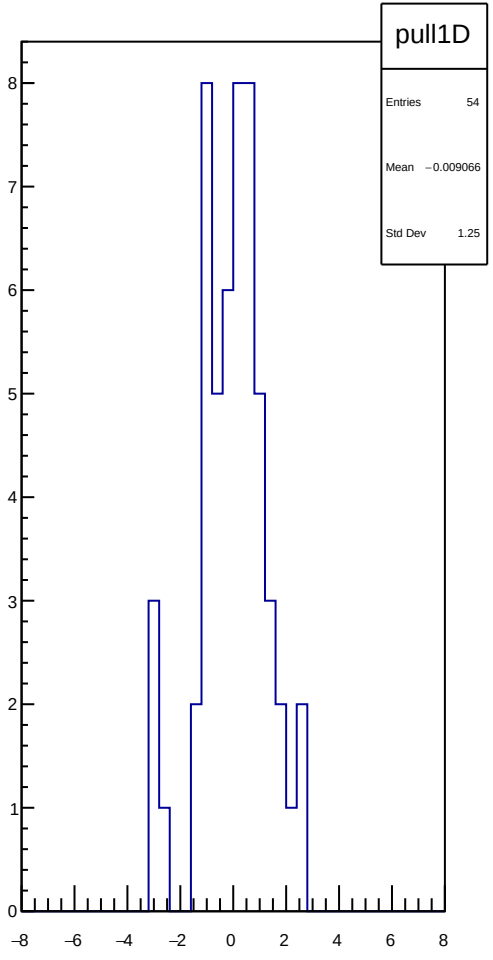
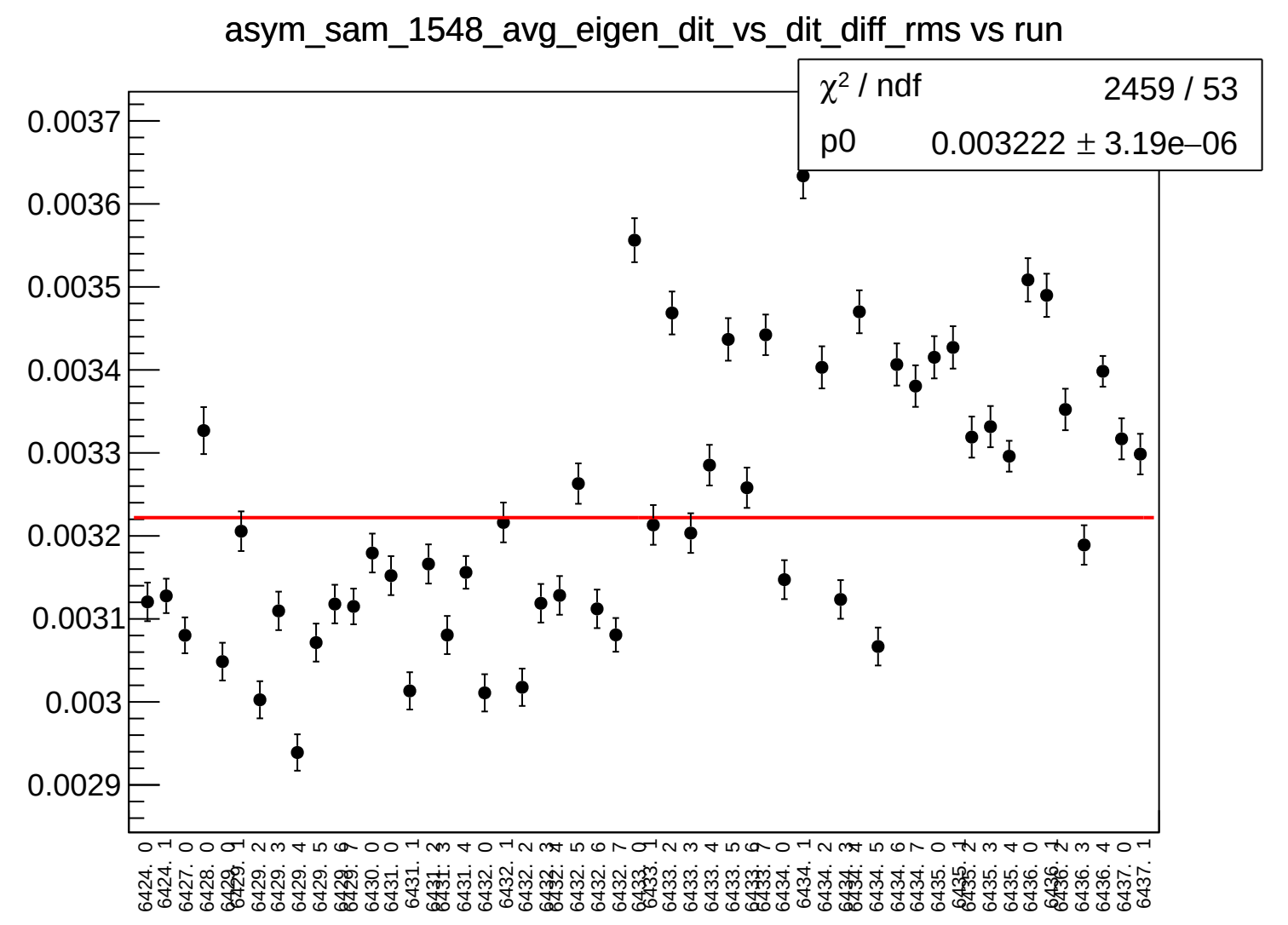
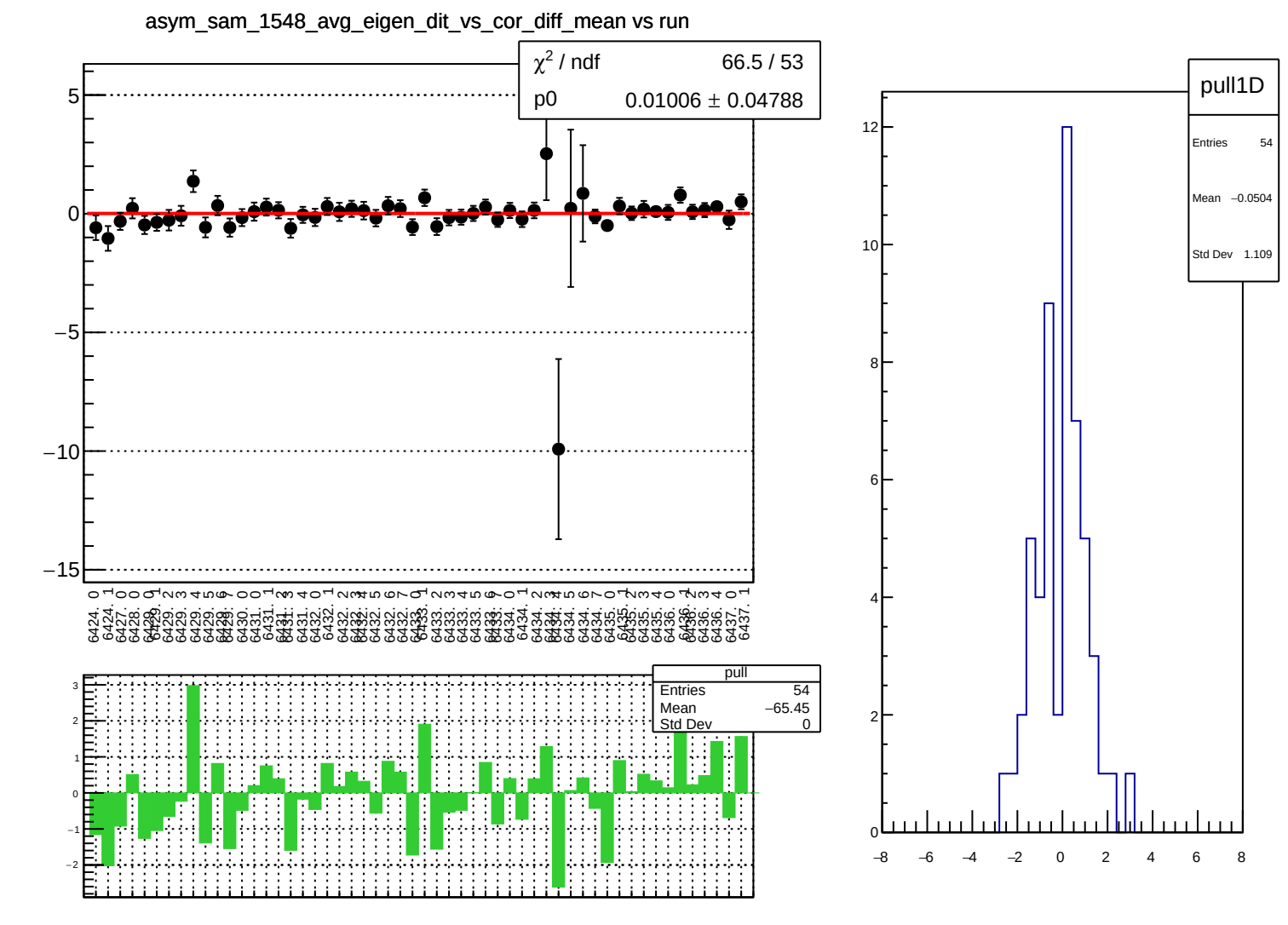
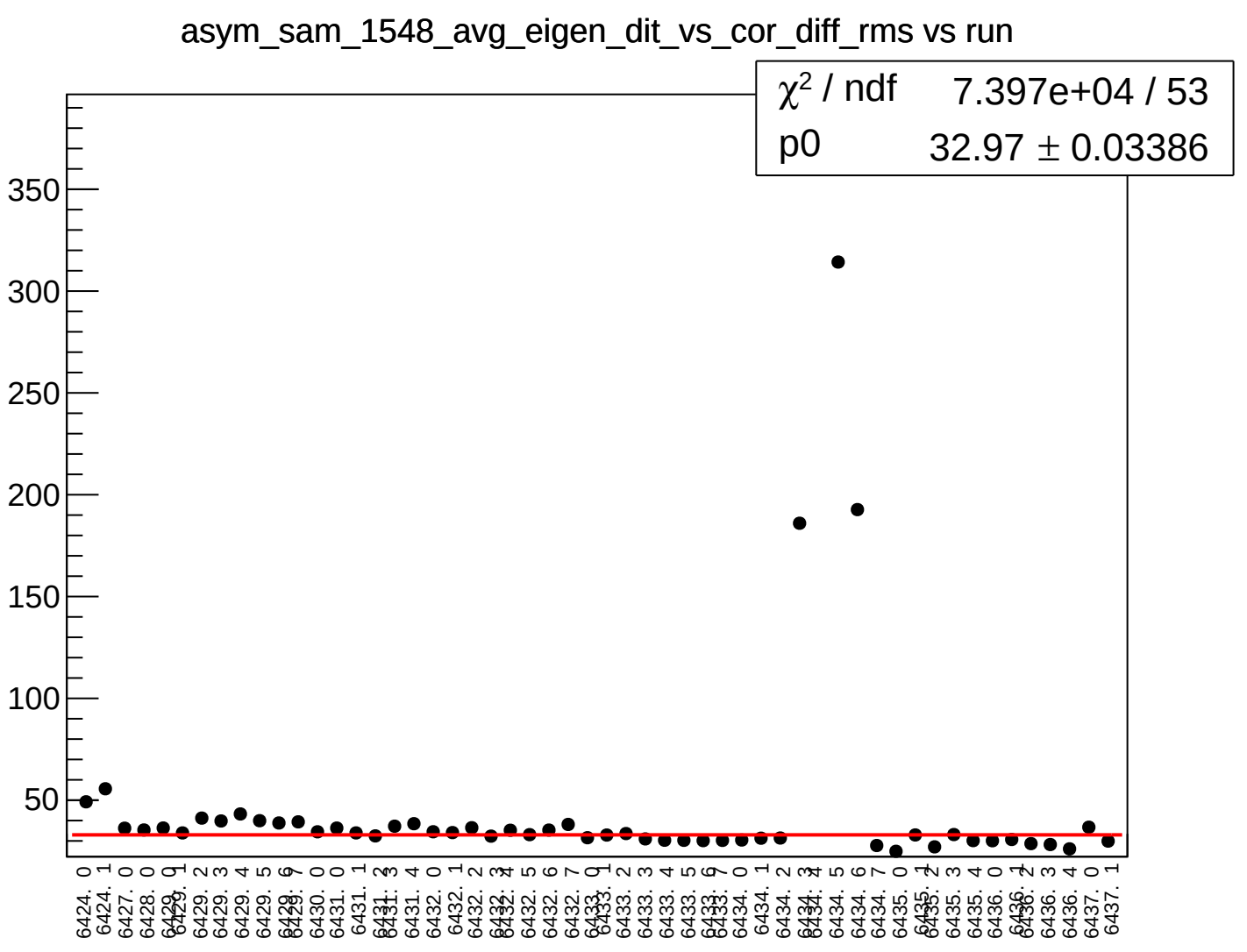
6436. 3
6436. 4
6437. 0
6437. 1

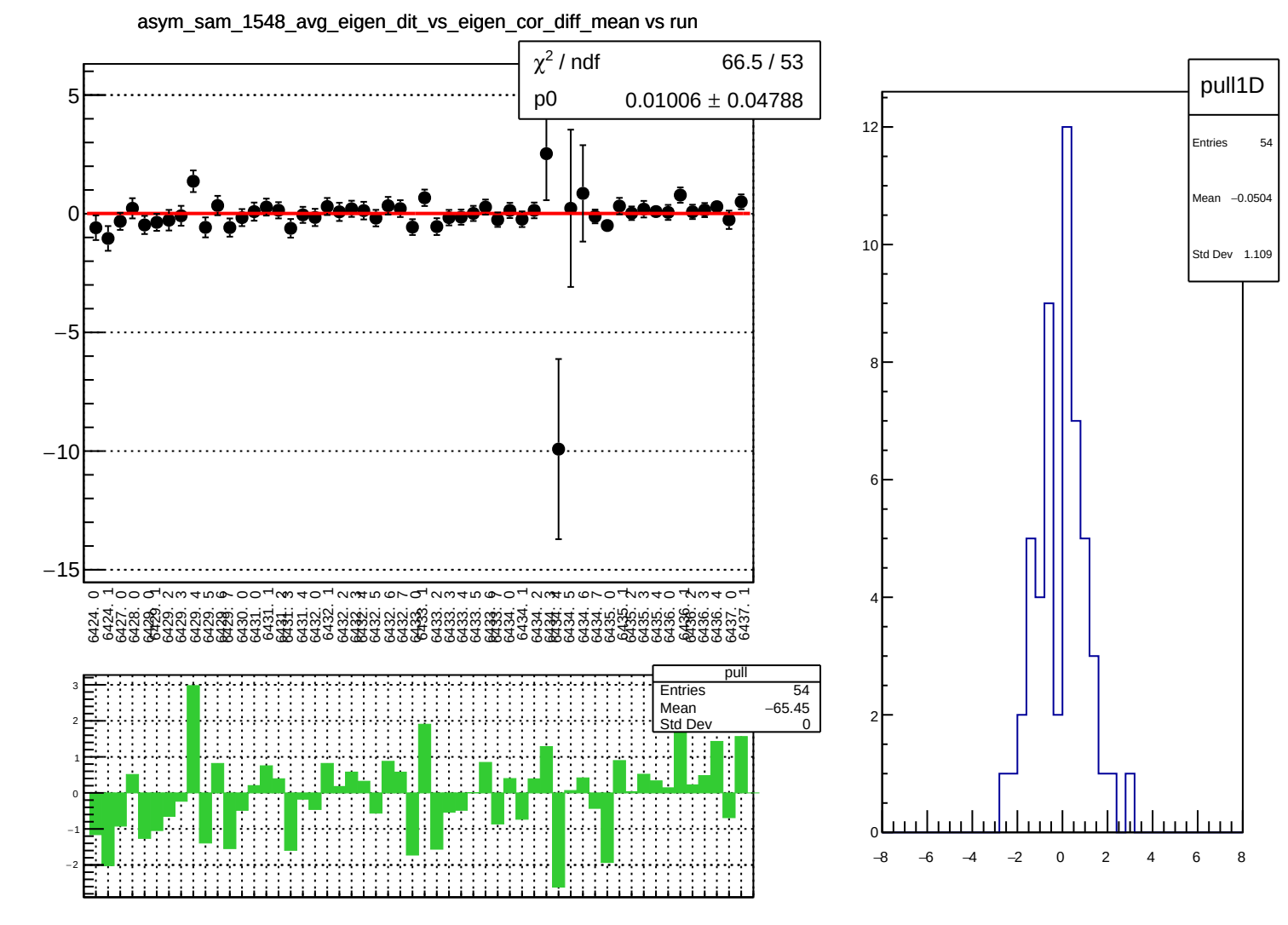

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.36 / 53
p0 −3.922e−06 ± 4.511e−06
pull
Entries 54
Mean 108.7
Std Dev 0

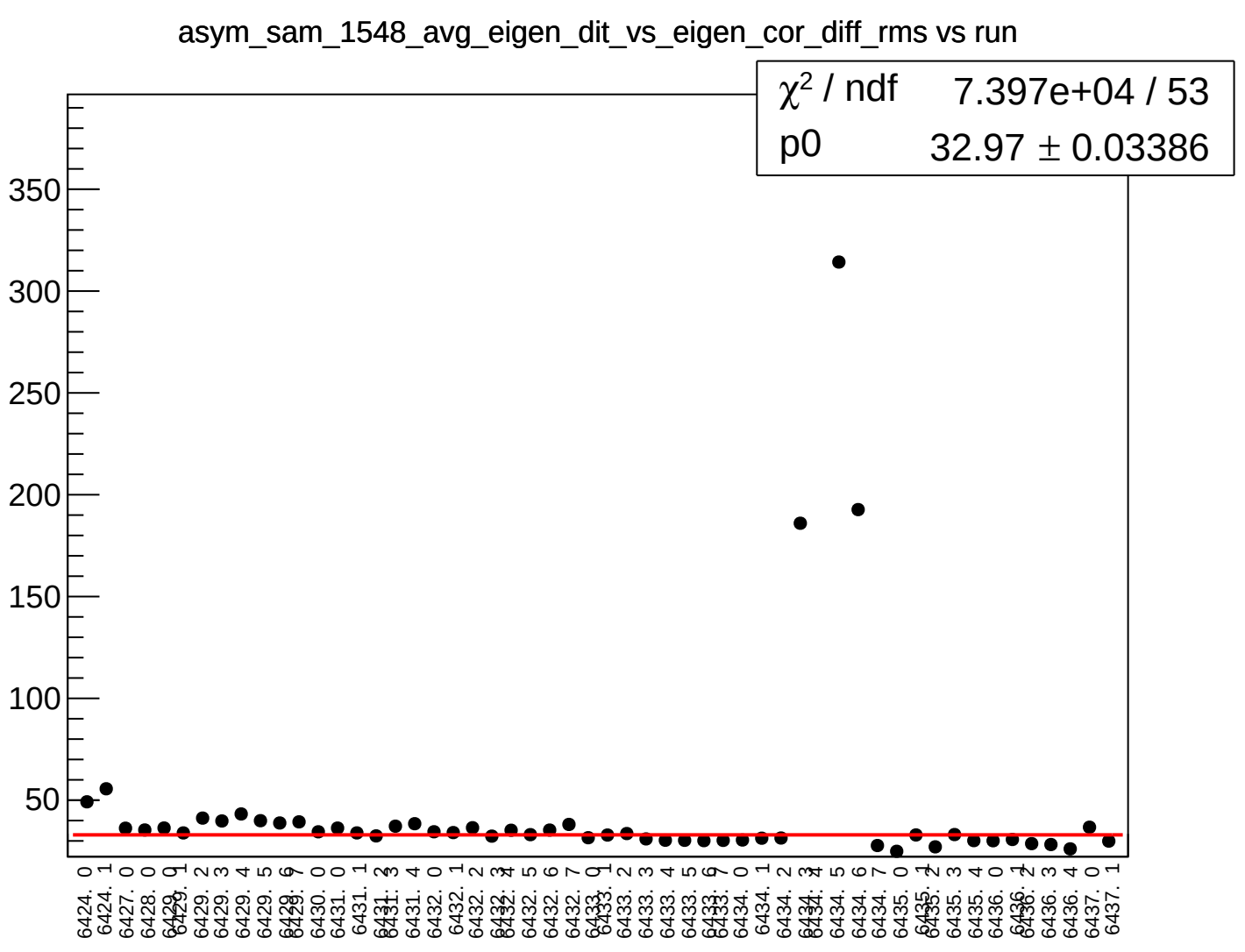

pull1D
Entries 54
Mean −0.009066
Std Dev 1.25

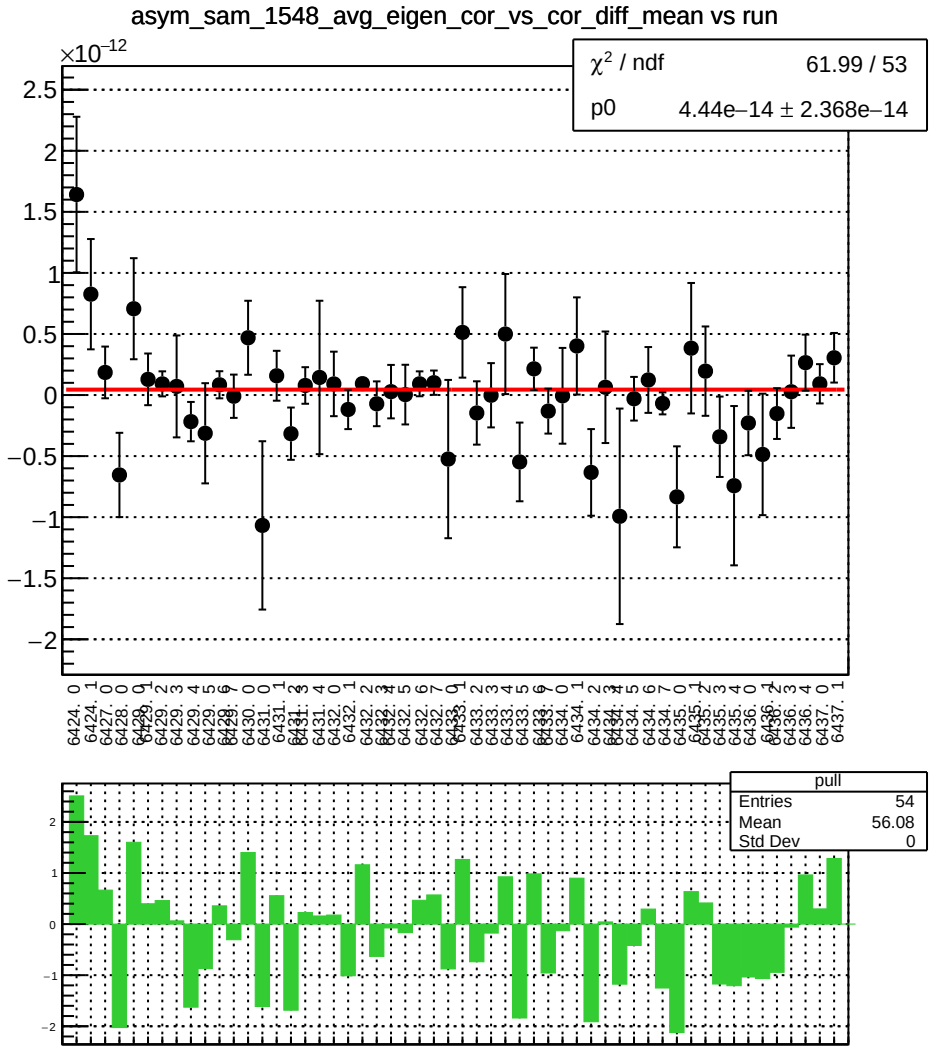

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2459 / 53
p0 0.003222 ± 3.19e–06
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

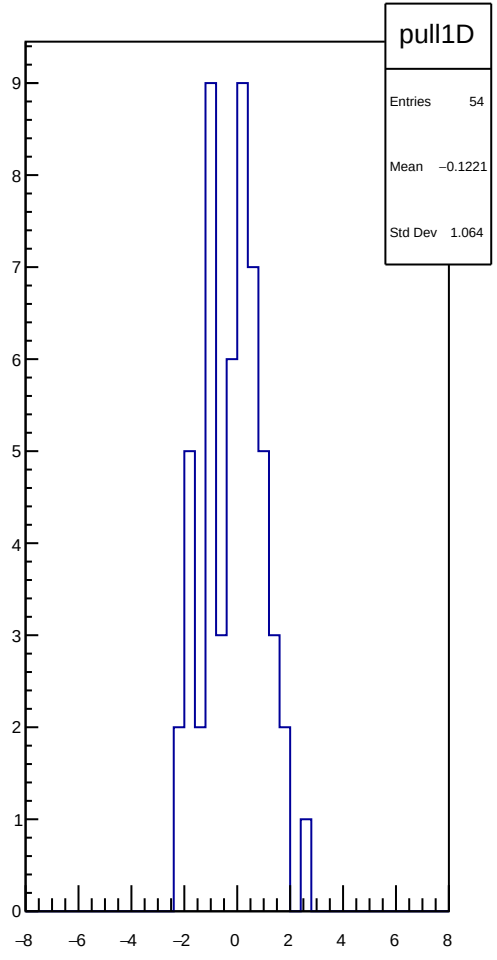

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.5 / 53
p0 0.01006 ± 0.04788
pull
Entries 54
Mean −65.45
Std Dev 0
pull1D
Entries 54
Mean −0.0504
Std Dev 1.109

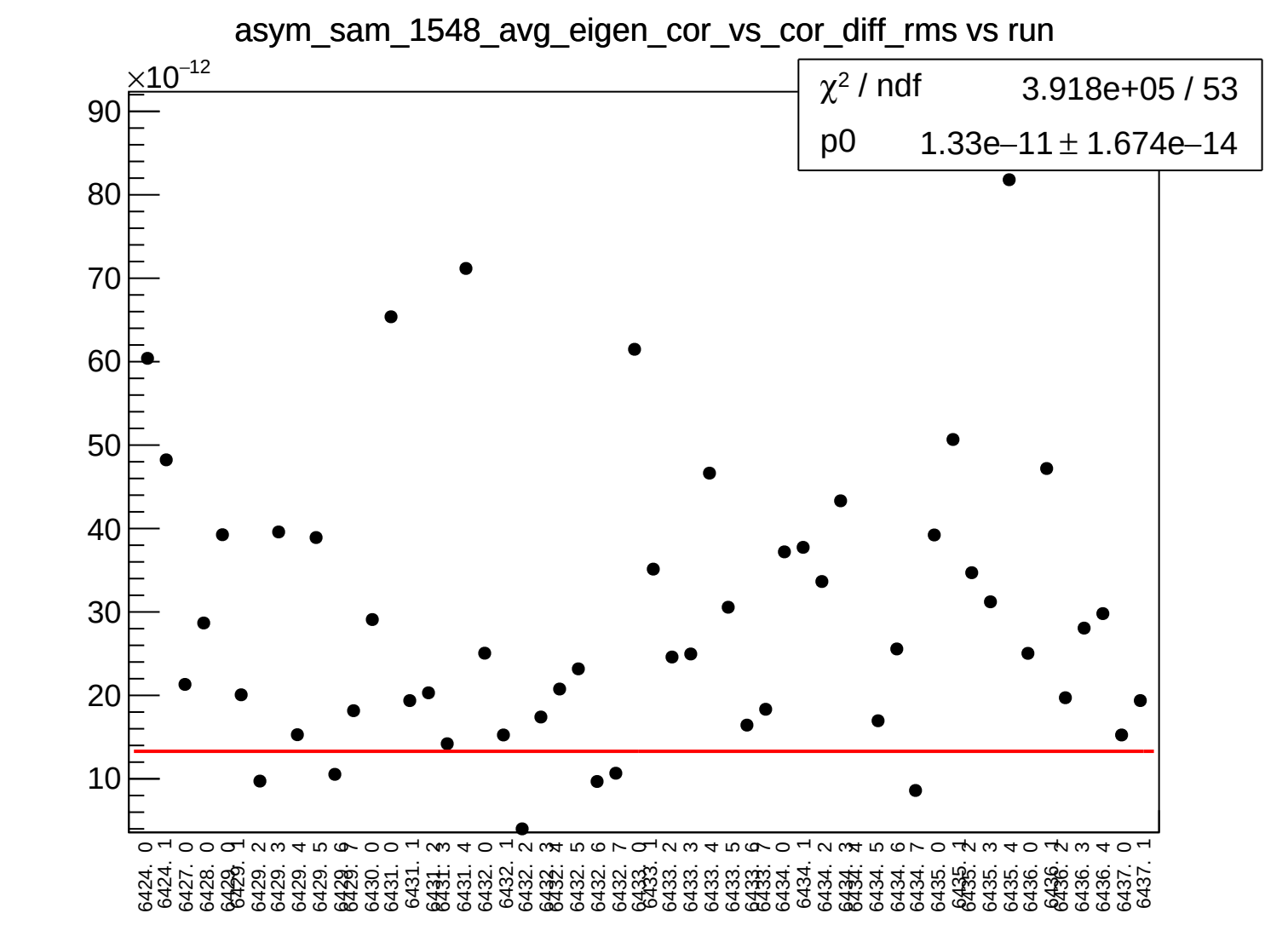

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.397e+04 / 53
p0 32.97 ± 0.03386
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

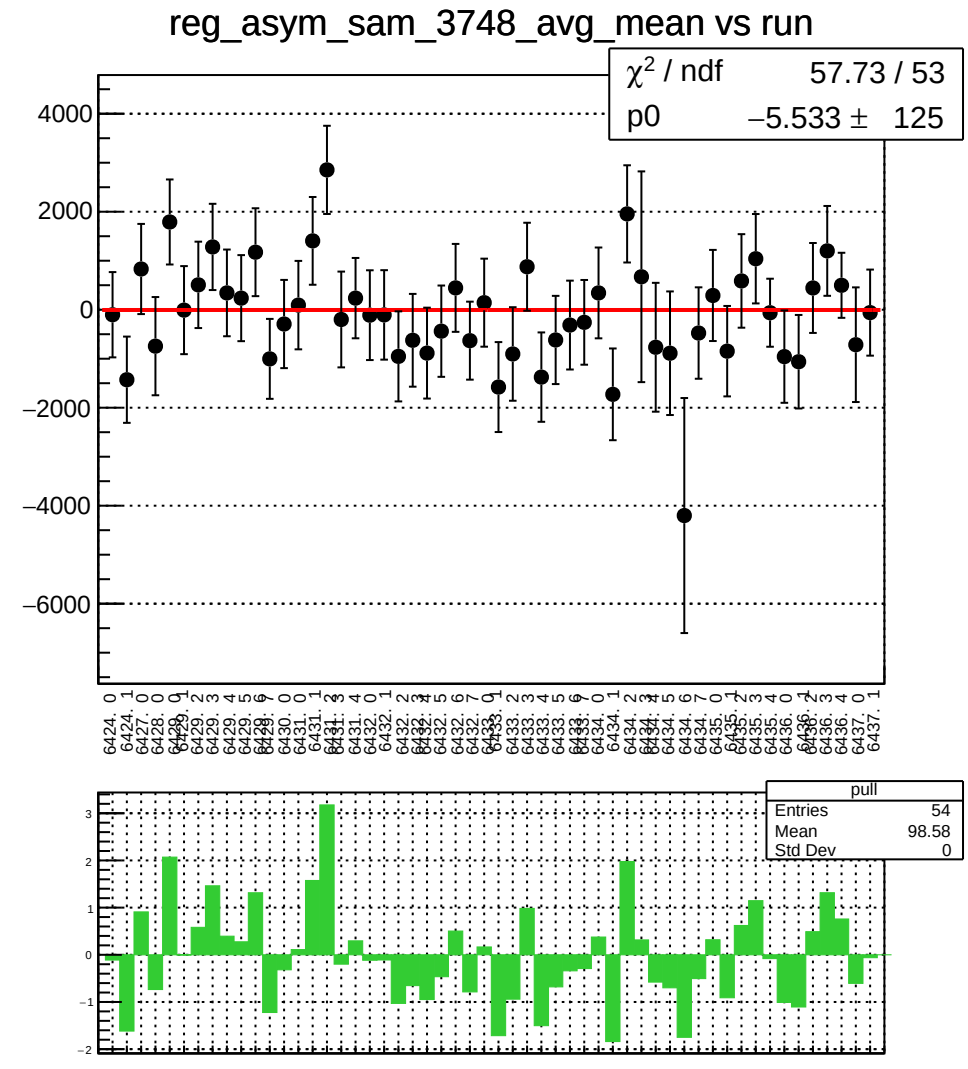

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.5 / 53
p0 0.01006 ± 0.04788
pull
Entries 54
Mean −65.45
Std Dev 0
pull1D
Entries 54
Mean −0.0504
Std Dev 1.109

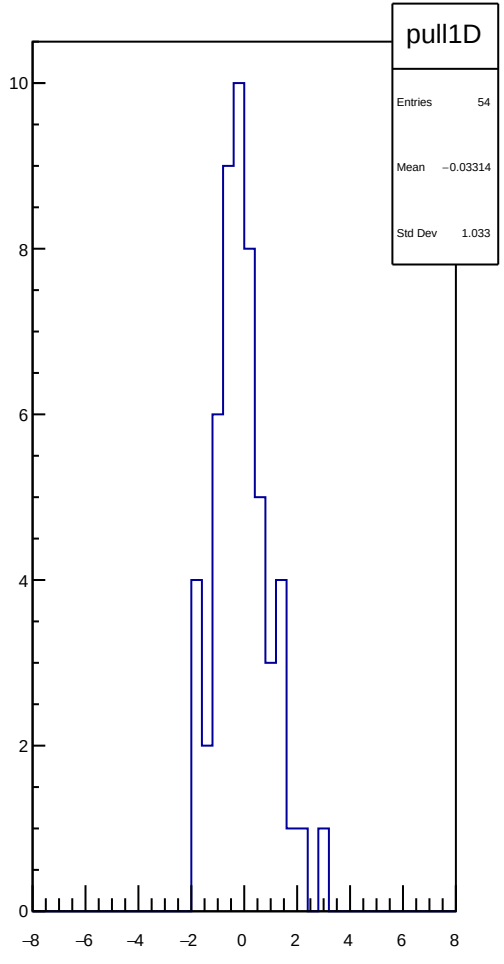

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.397e+04 / 53
p0 32.97 ± 0.03386
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

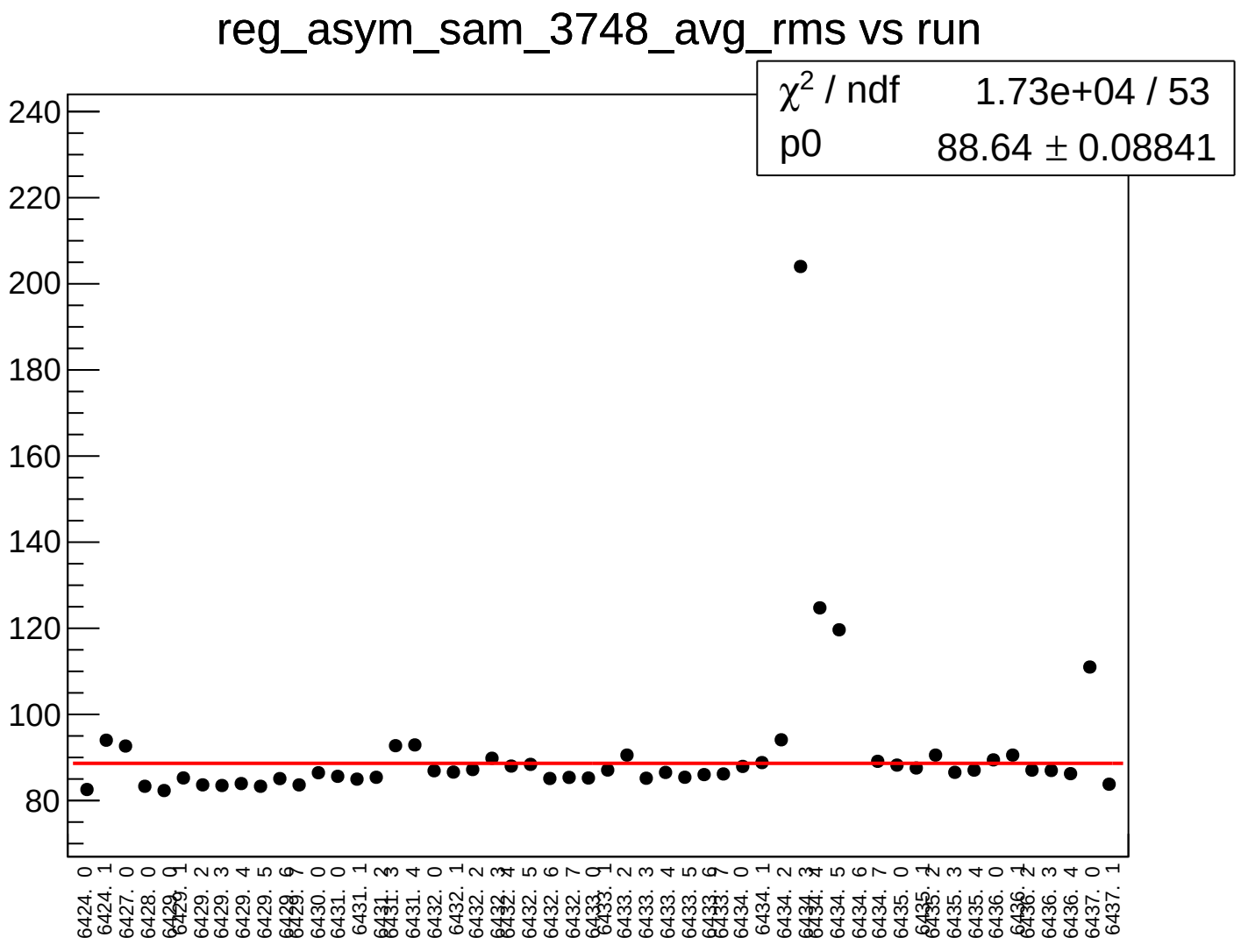

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.99 / 53
p0 4.44e−14 ± 2.368e−14
pull
Entries 54
Mean 56.08
Std Dev 0

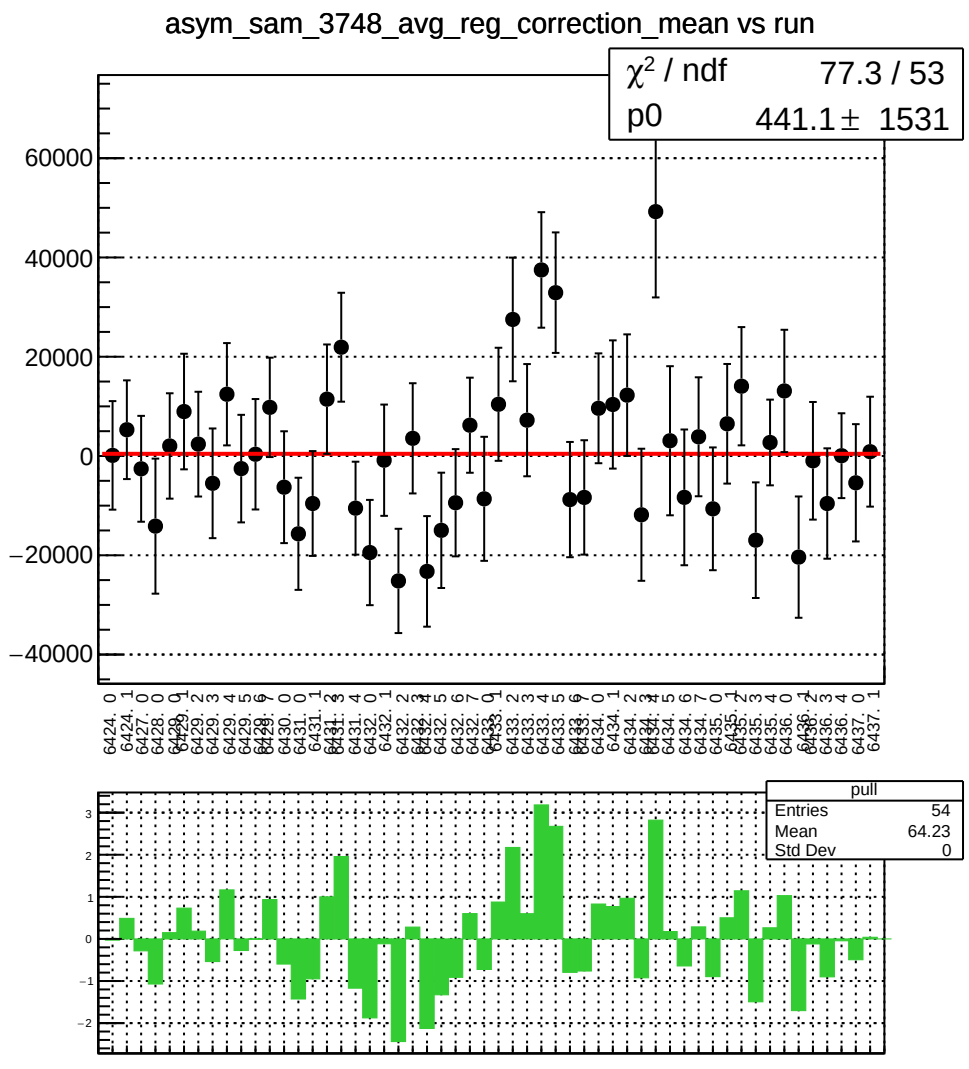

pull1D
Entries 54
Mean −0.1221
Std Dev 1.064

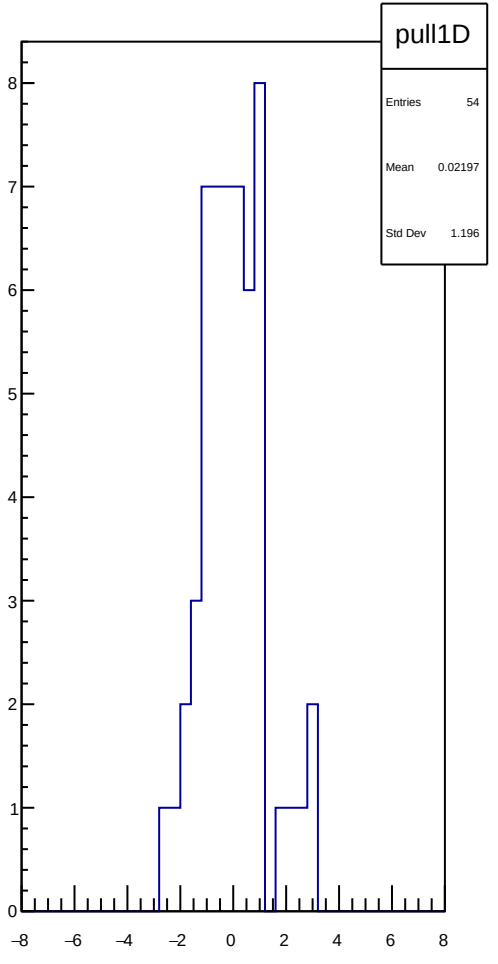

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.918e+05 / 53
p0 1.33e−11 ± 1.674e−14
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

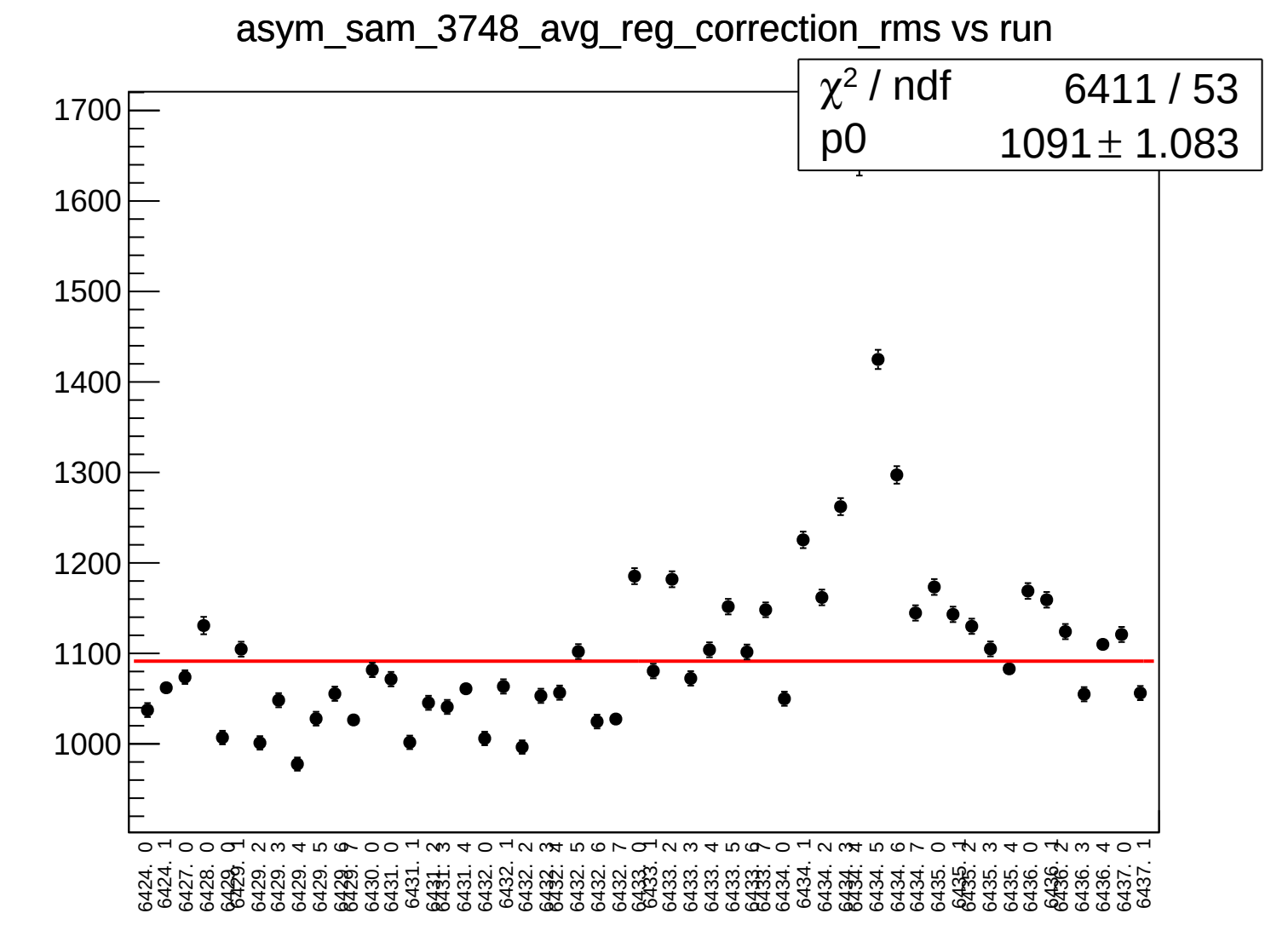

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 57.73 / 53
p0 −5.533 ± 125
pull
Entries 54
Mean 98.58
Std Dev 0

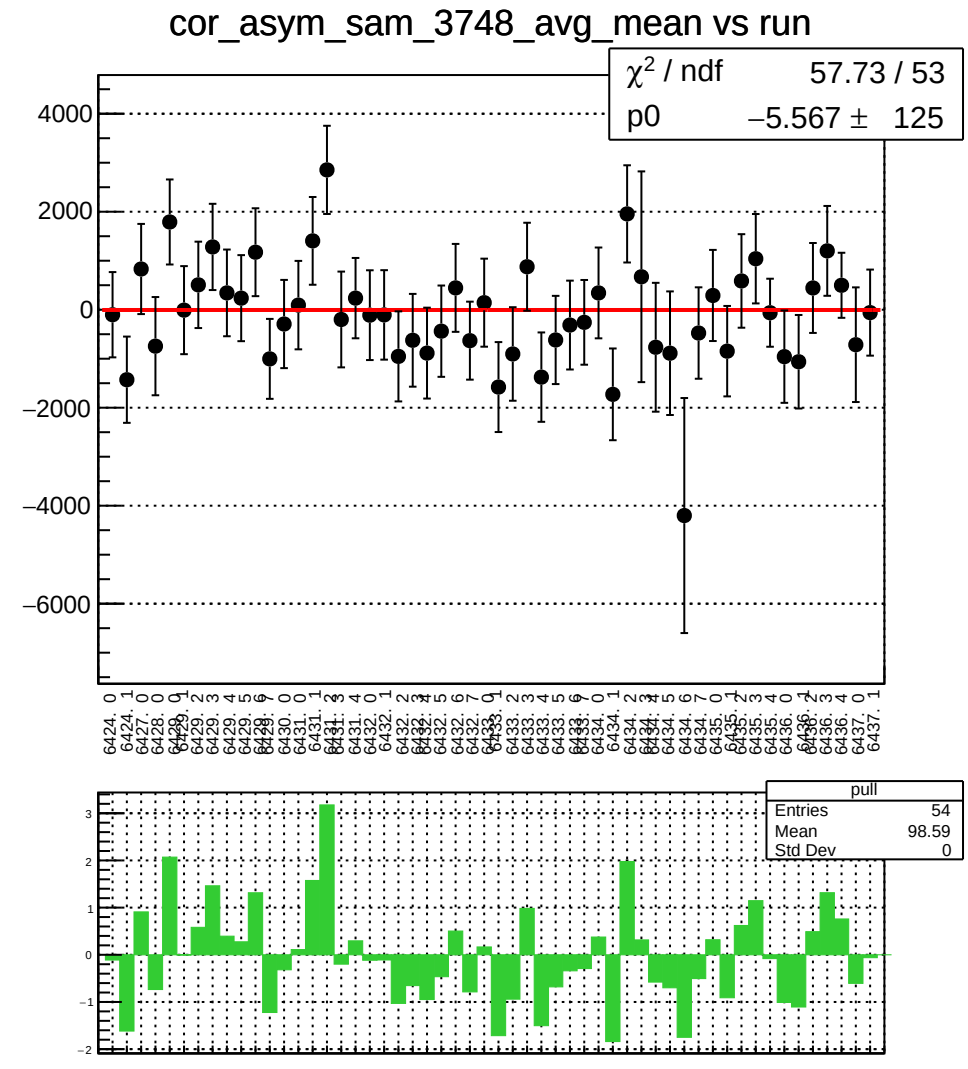

pull1D
Entries 54
Mean −0.03314
Std Dev 1.033

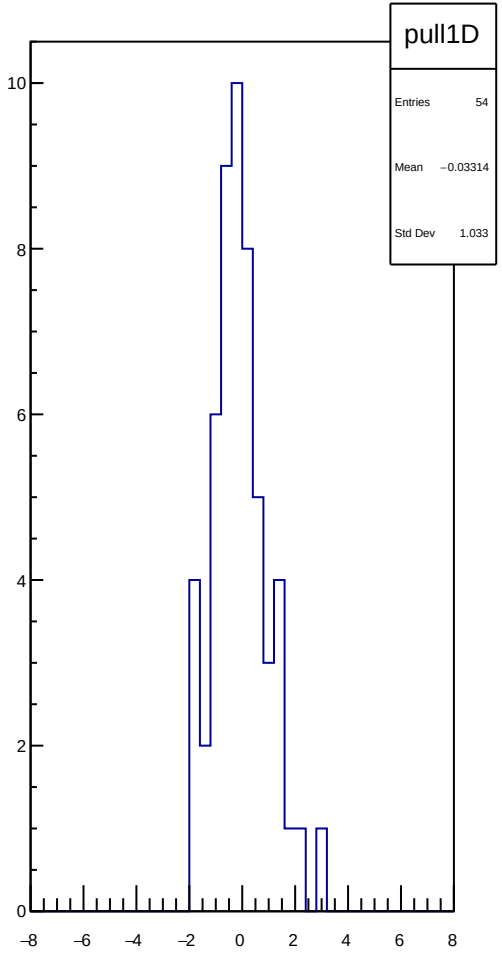

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.73e+04 / 53
p0 88.64 ± 0.08841
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

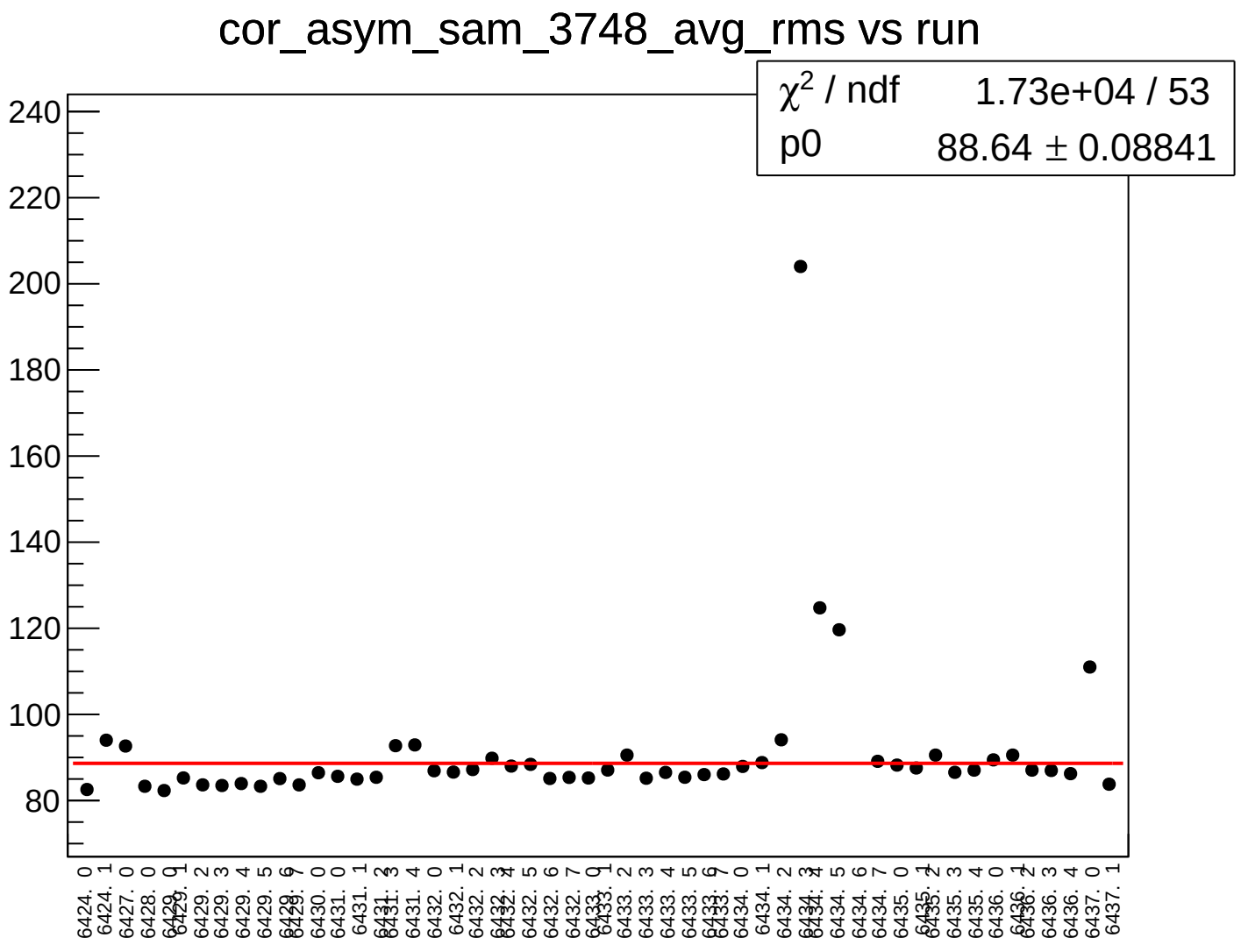

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 77.3 / 53
p0 441.1 ± 1531
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 64.23
Std Dev 0
3
2
1
0
−1
−2

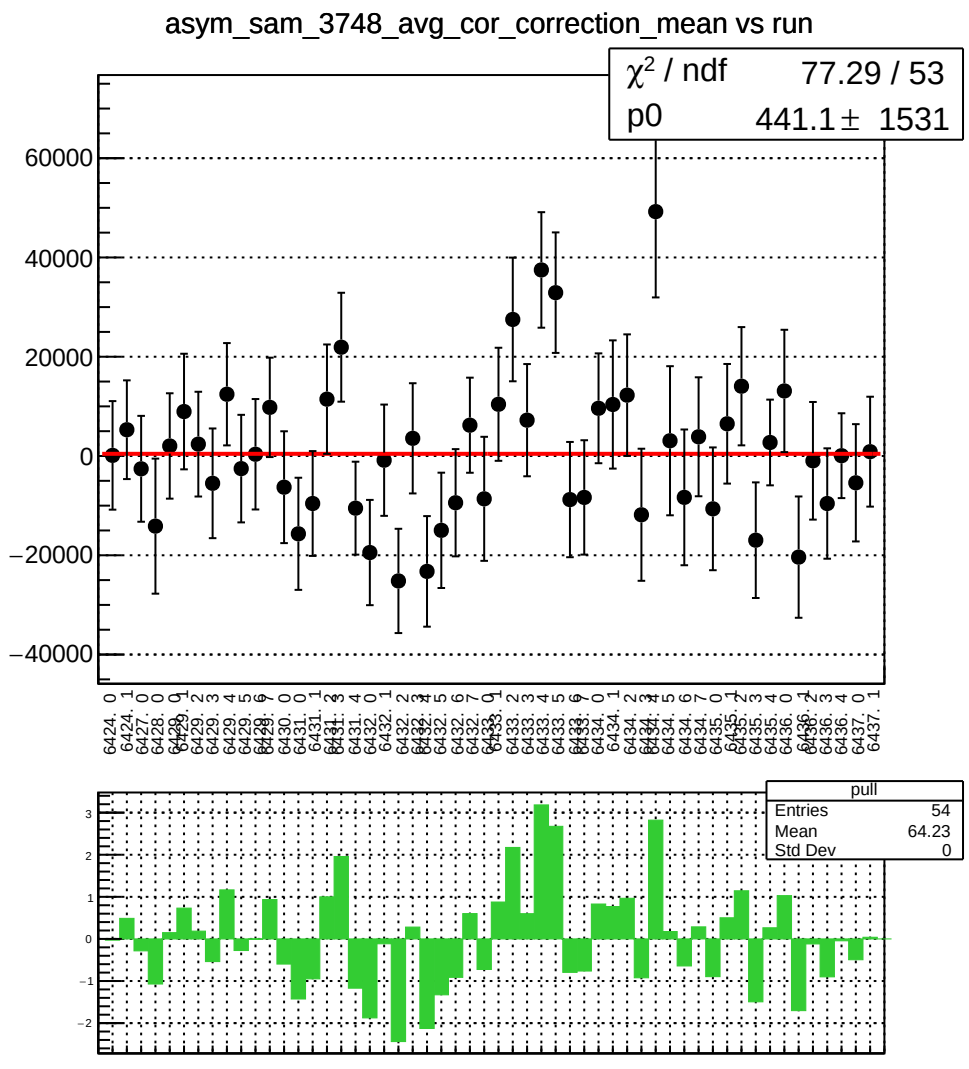

pull1D
Entries 54
Mean 0.02197
Std Dev 1.196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

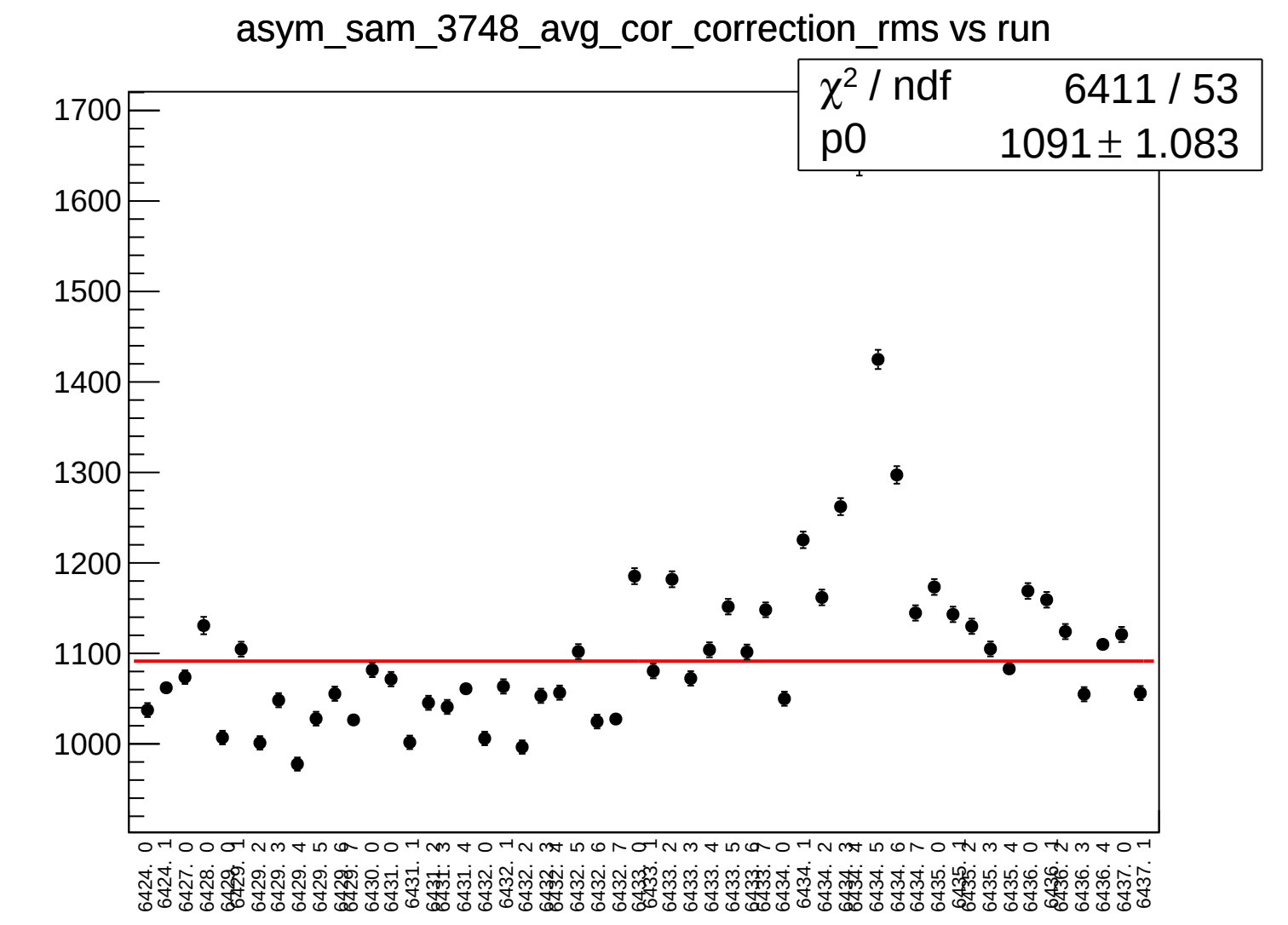

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 6411 / 53
p0 1091 ± 1.083
1700
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

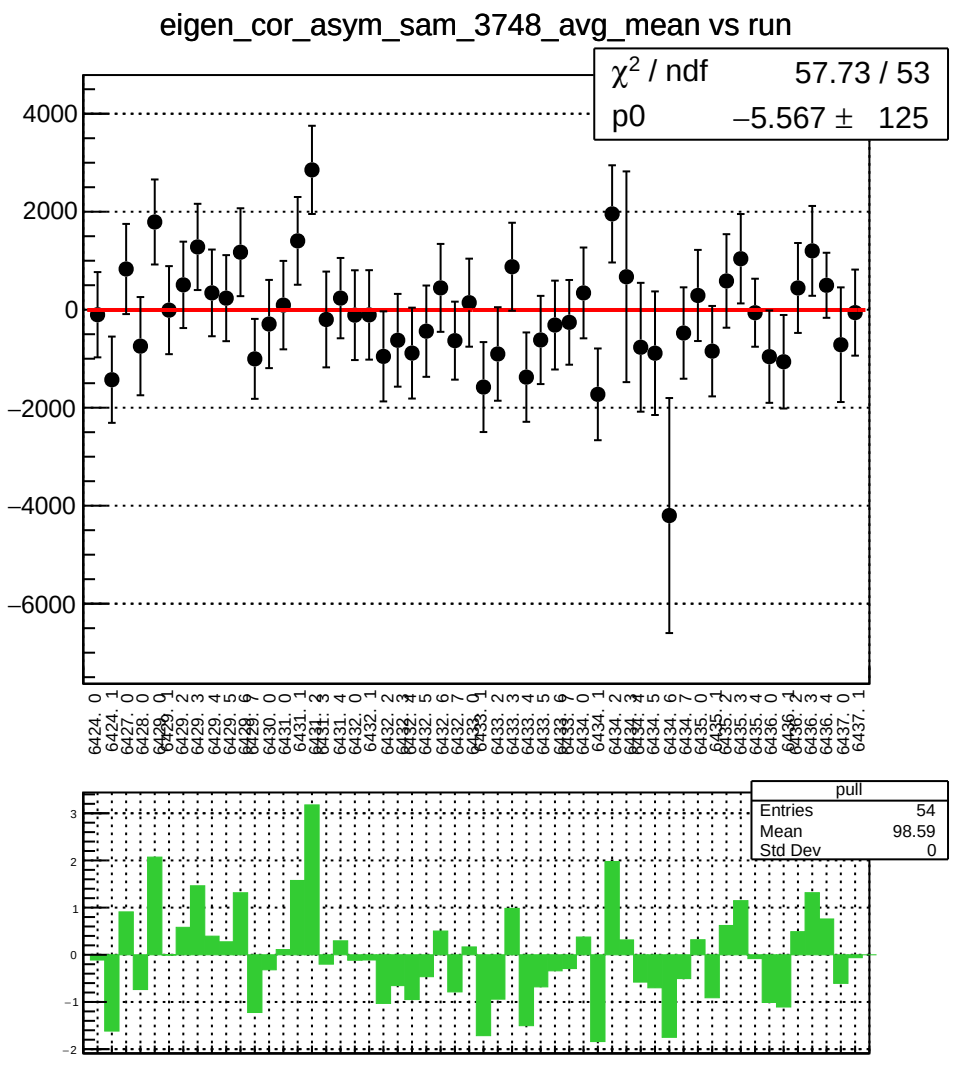

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 57.73 / 53
p0 −5.567 ± 125
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 98.59
Std Dev 0
3
2
1
0
−1
−2

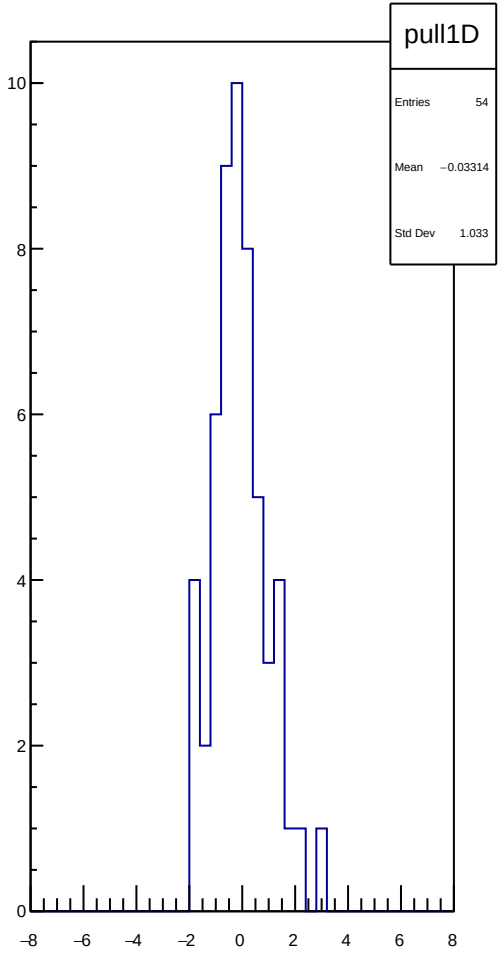

pull1D
Entries 54
Mean −0.03314
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

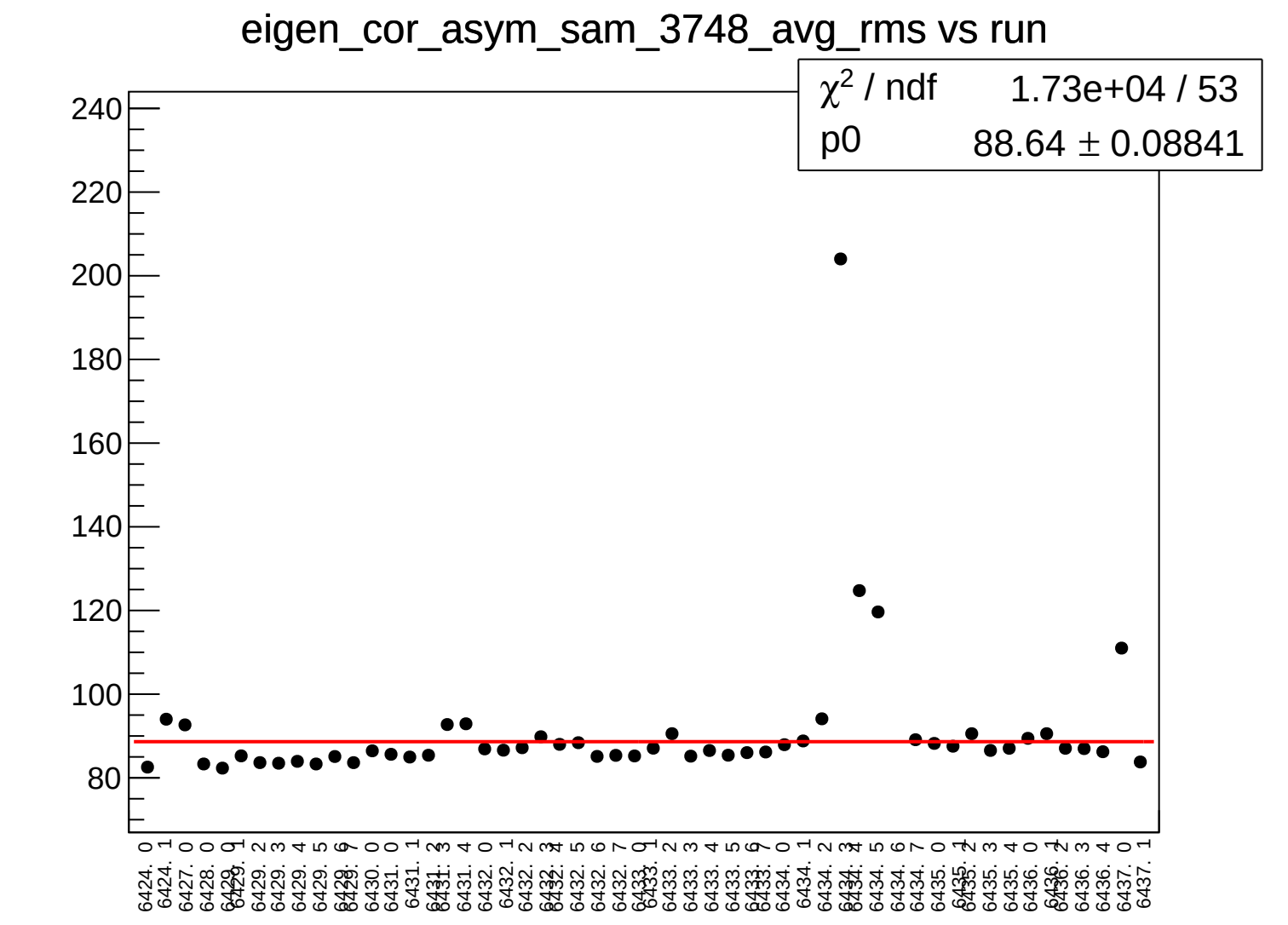

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.73e+04 / 53
p0 88.64 ± 0.08841
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

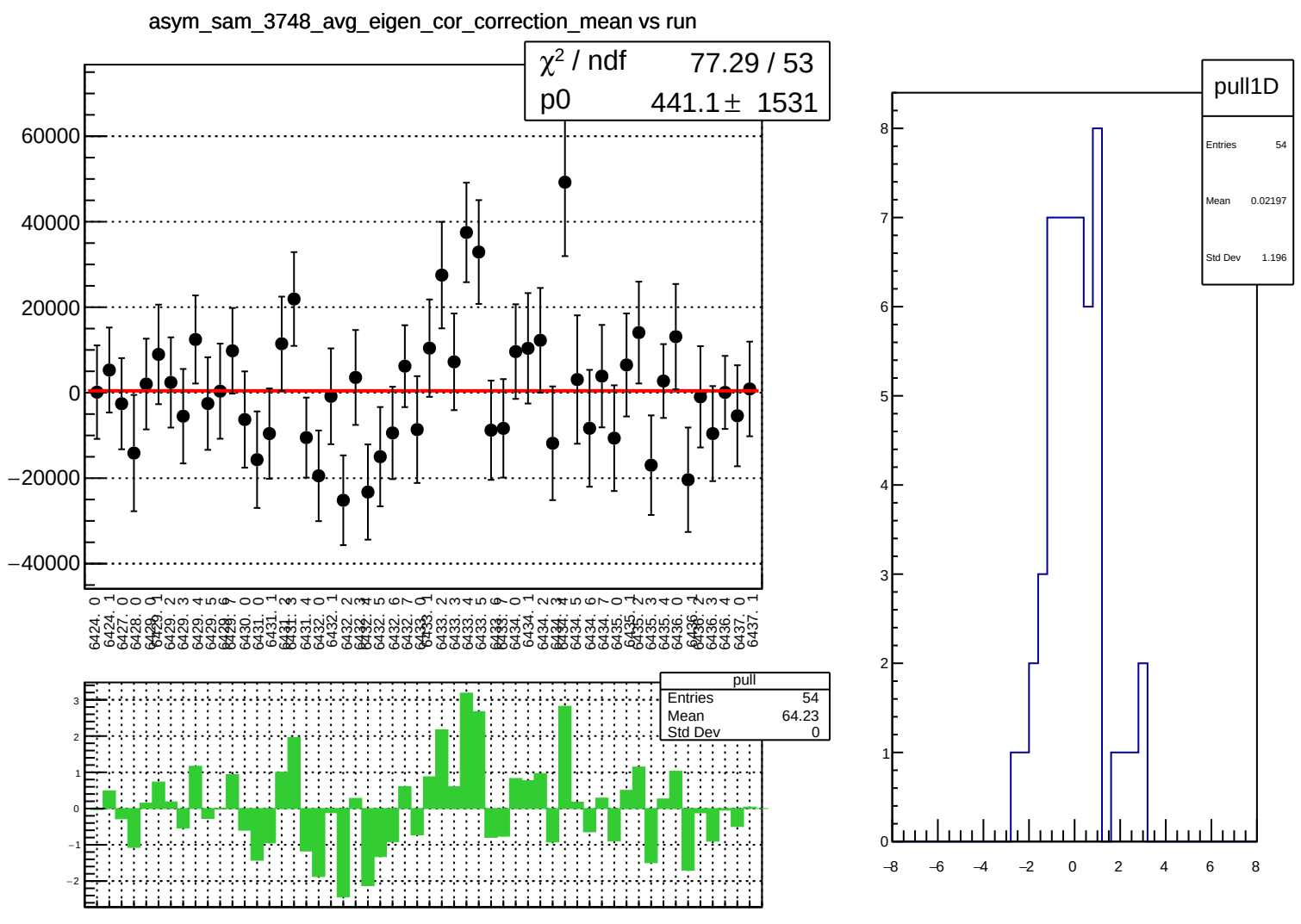

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 77.29 / 53
p0 441.1 ± 1531
60000
40000
20000
0
−20000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 64.23
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.02197
Std Dev 1.196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

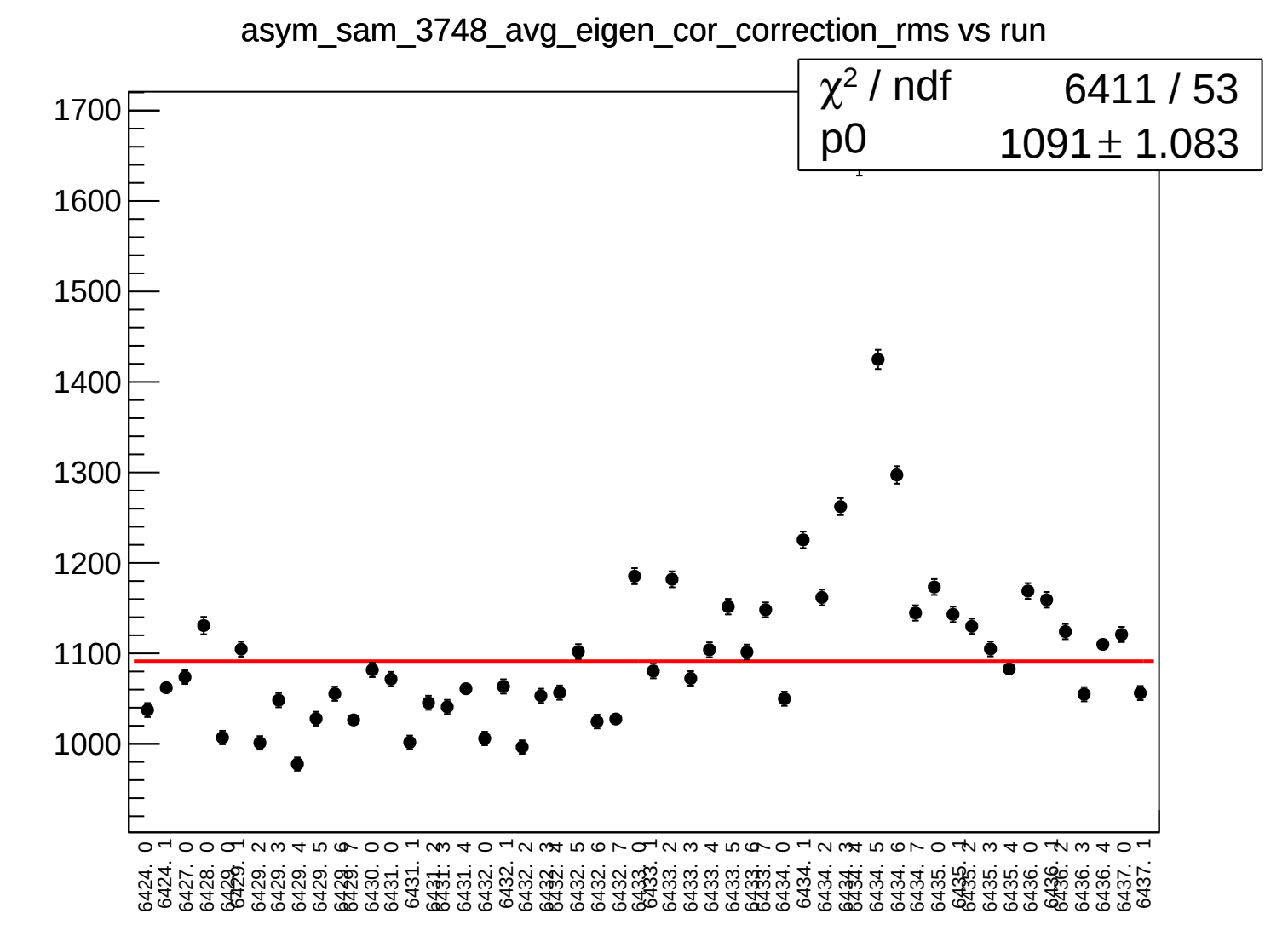

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 6411 / 53
p0 1091 ± 1.083
1700
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 57.73 / 53
p0 −5.567 ± 125
pull
Entries 54
Mean 98.59
Std Dev 0


pull1D
Entries 54
Mean −0.03314
Std Dev 1.033


eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.73e+04 / 53
p0 88.64 ± 0.08841
240
220
200
180
160
140
120
100
80
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.29 / 53
p0 441.1 ± 1531
60000
40000
20000
0
−20000
−40000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 64.23
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.02197
Std Dev 1.196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 6411 / 53
p0 1091 ± 1.083
1700
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
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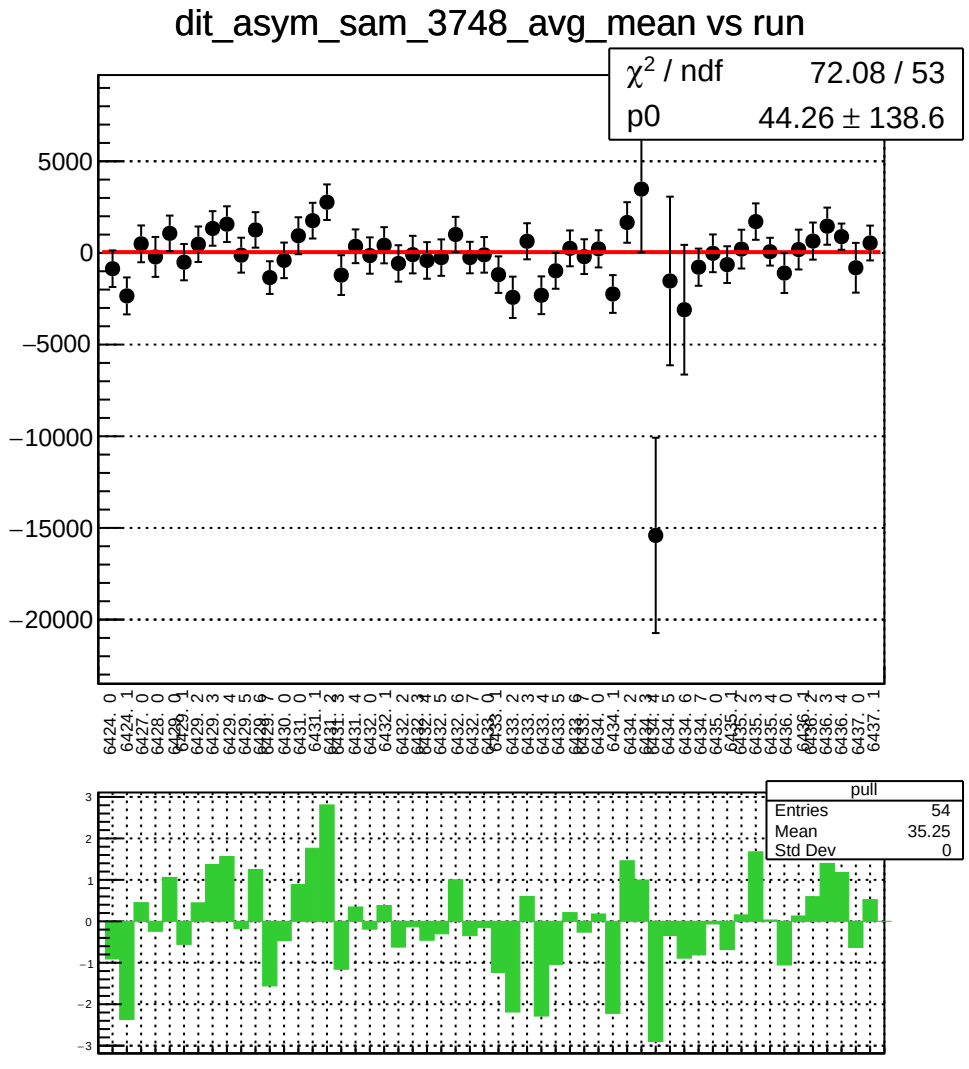
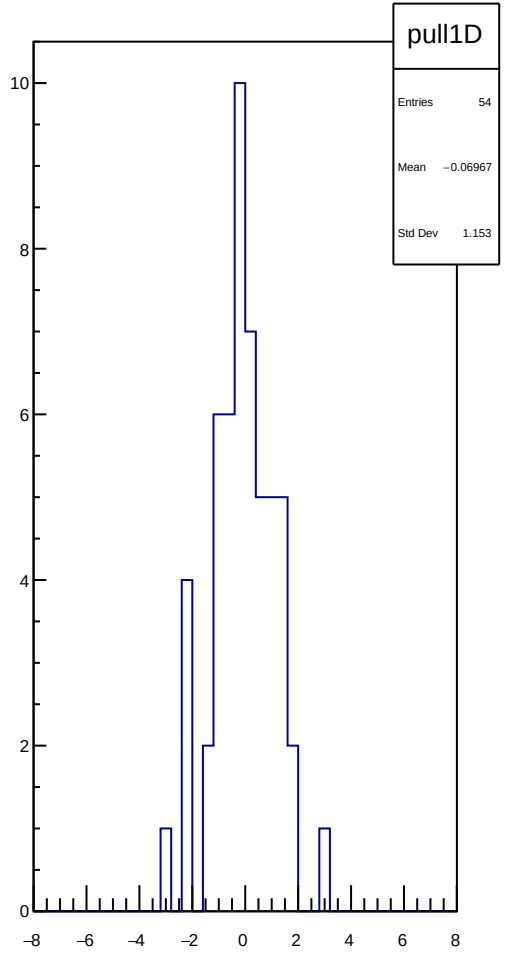
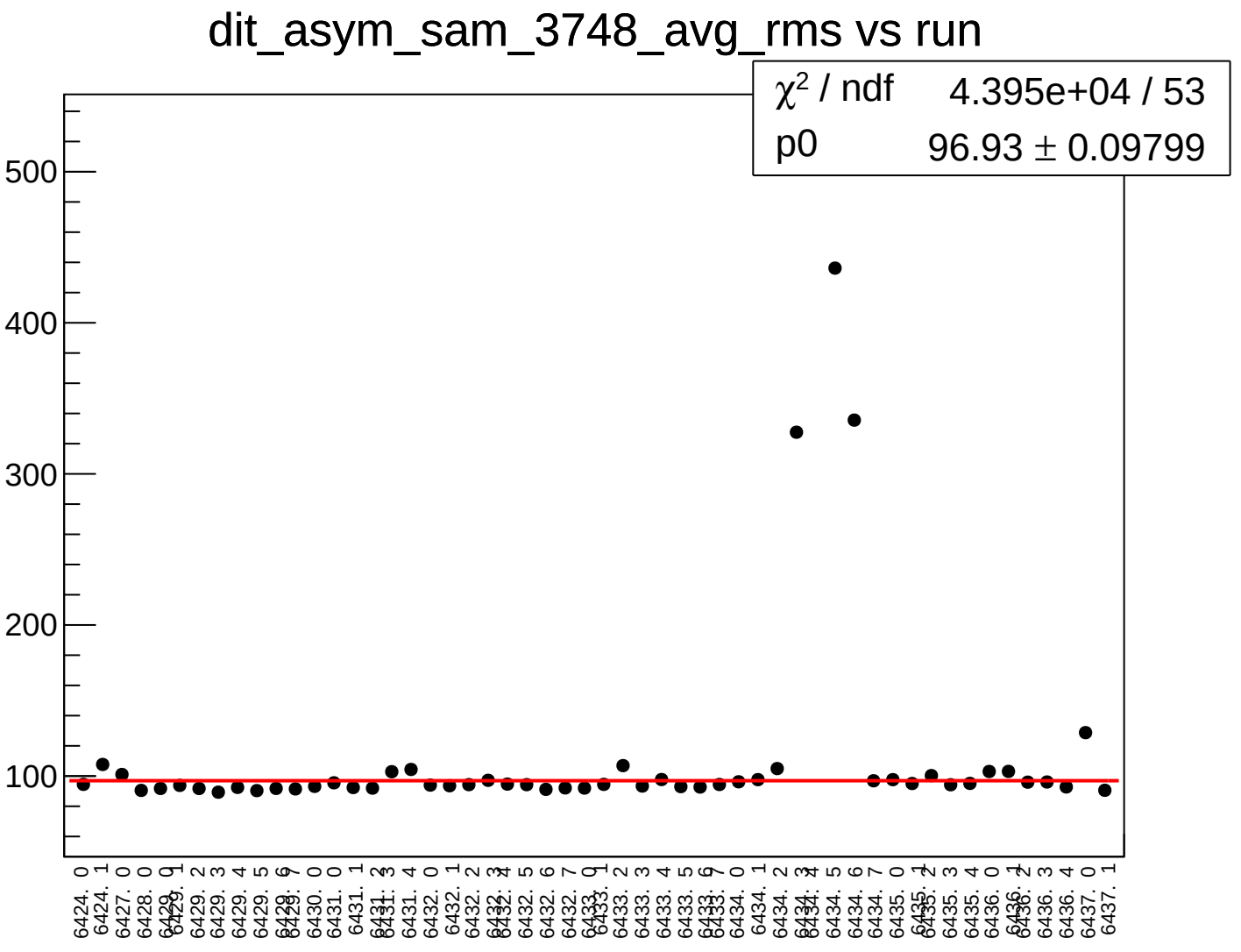
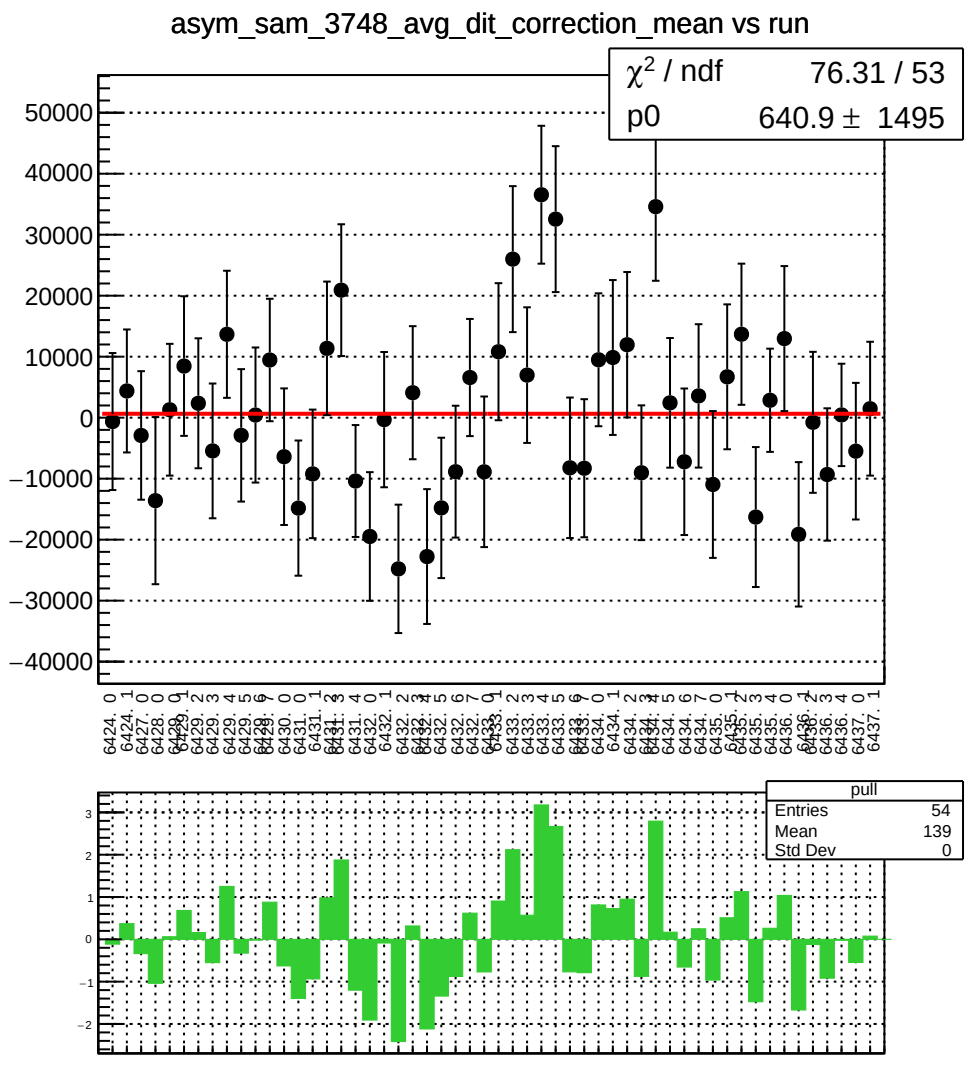
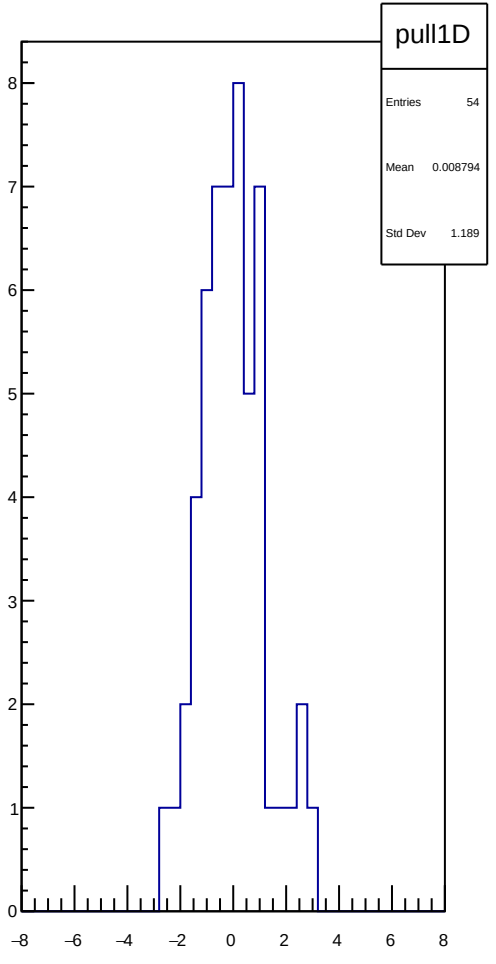
6436. 4
6437. 0
6437. 1

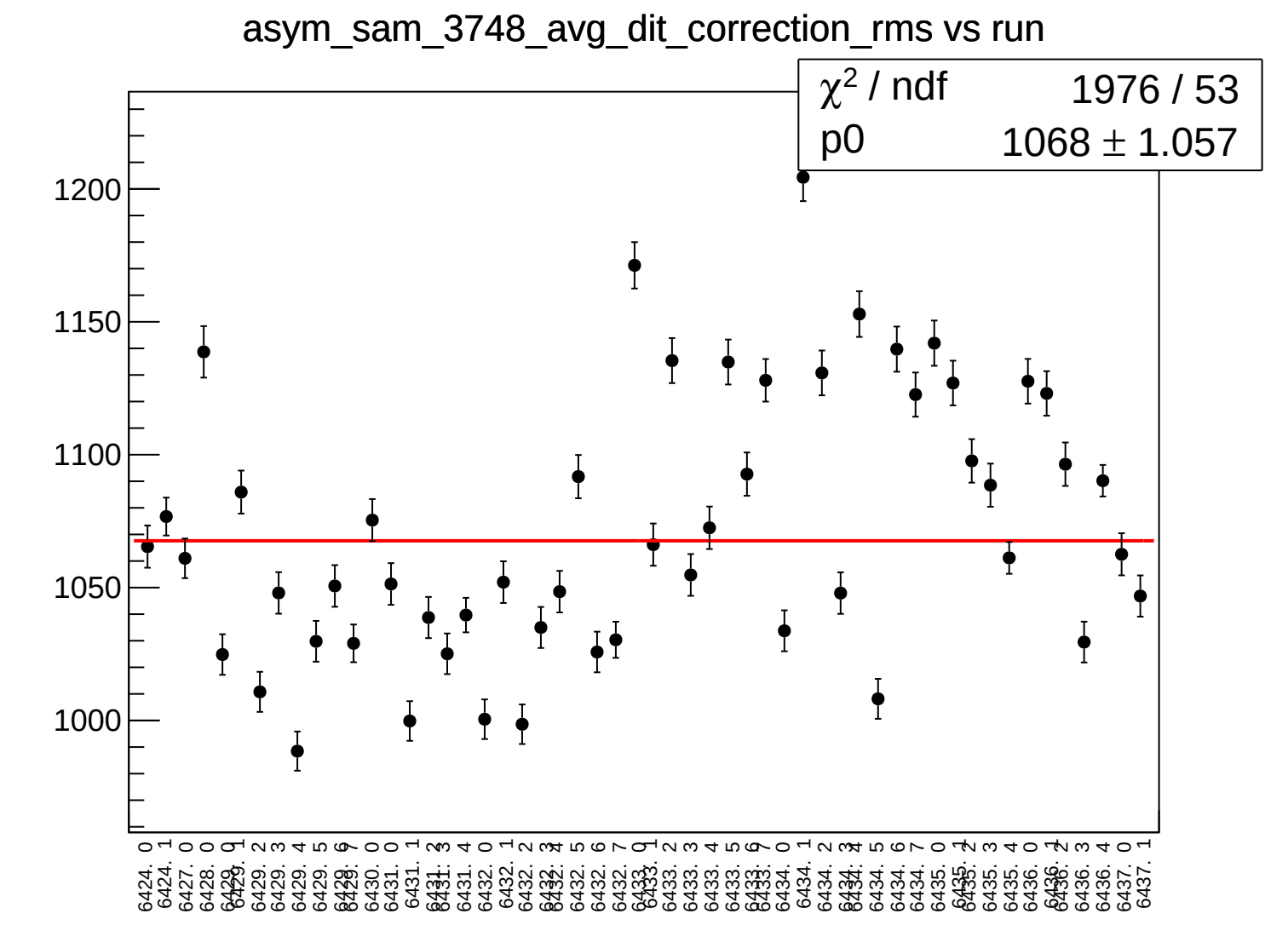

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 72.08 / 53
p0 44.26 ± 138.6
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 35.25
Std Dev 0
3
2
1
0
−1
−2
−3

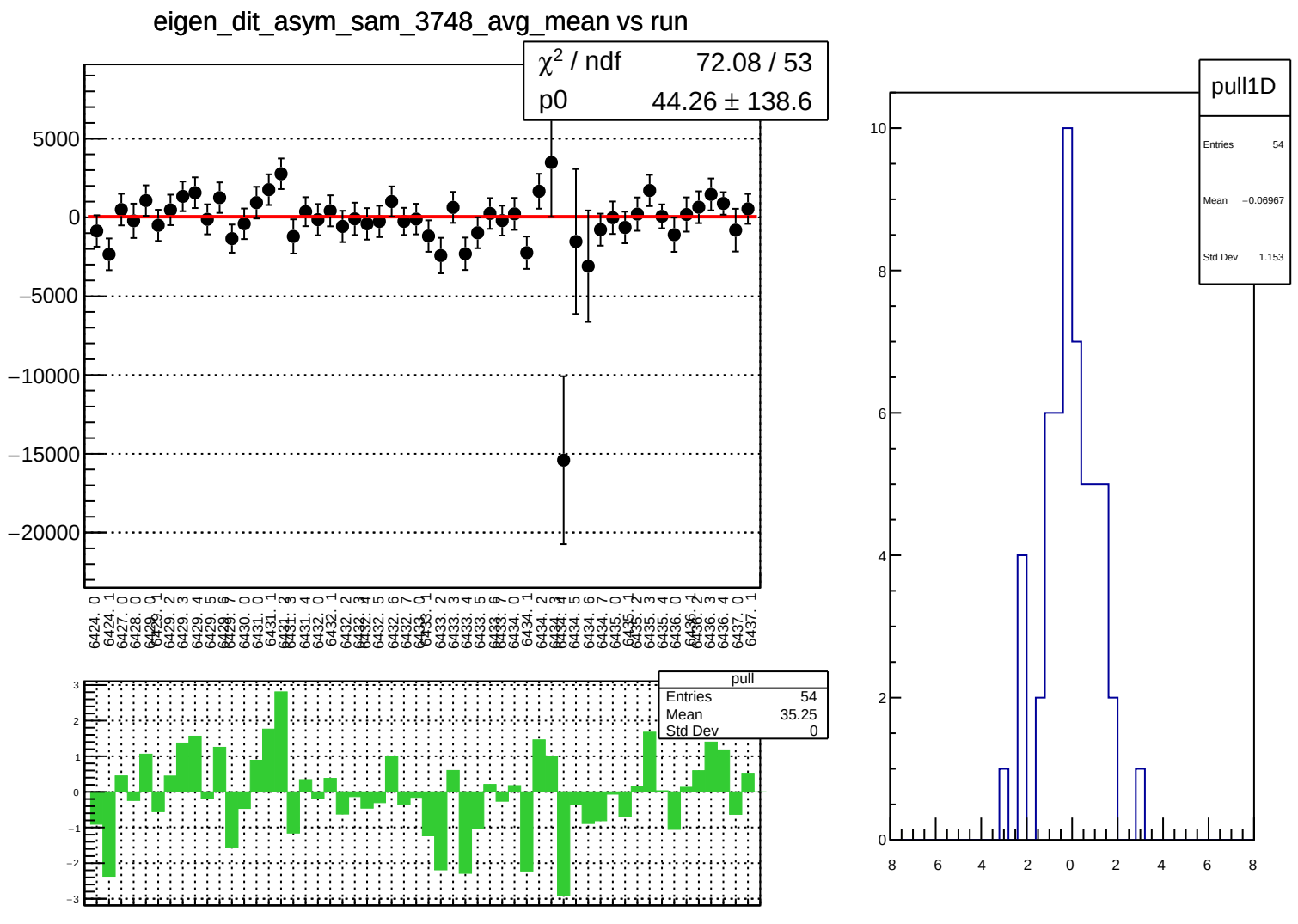

pull1D
Entries 54
Mean −0.06967
Std Dev 1.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

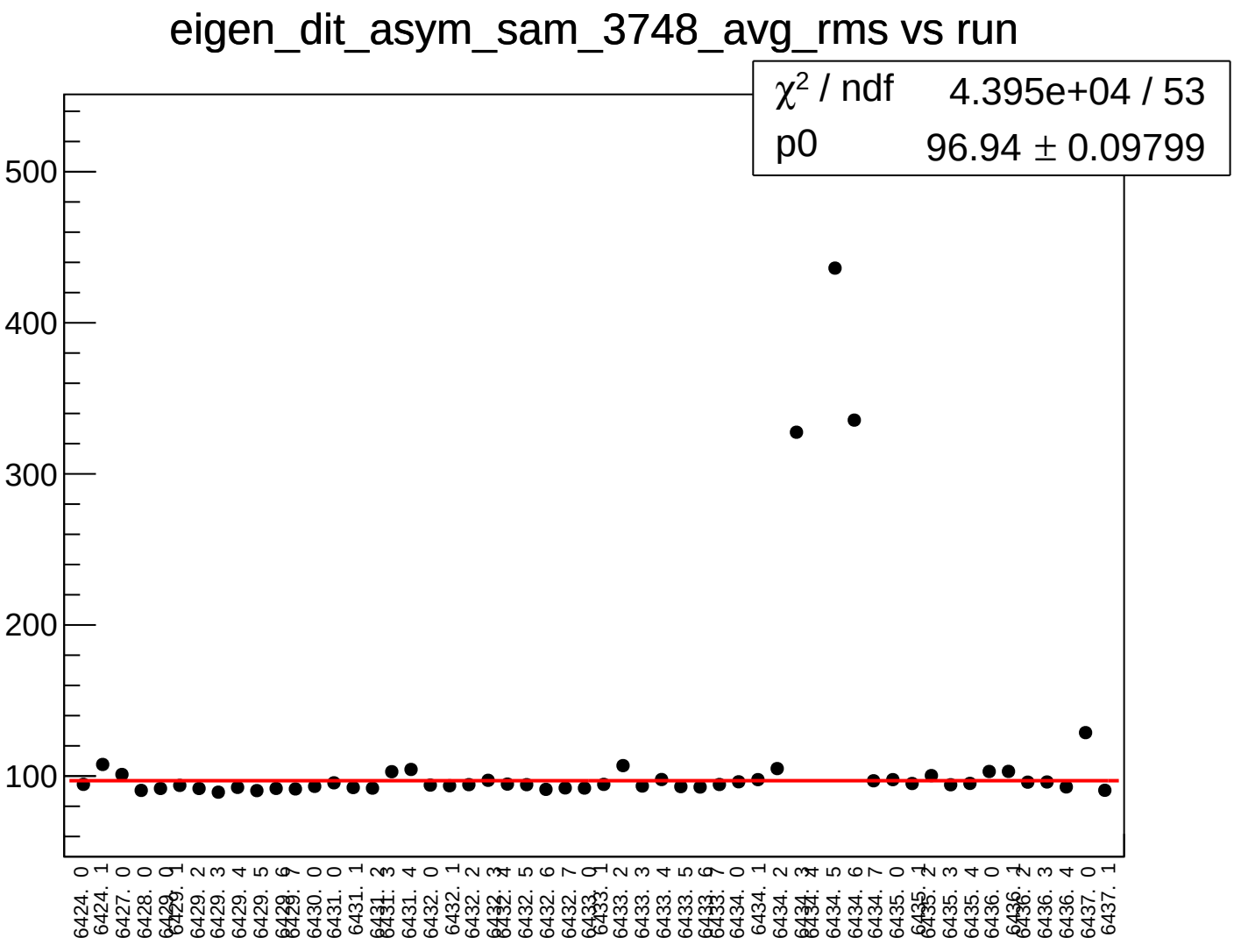

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.395e+04 / 53
p0 96.93 ± 0.09799
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

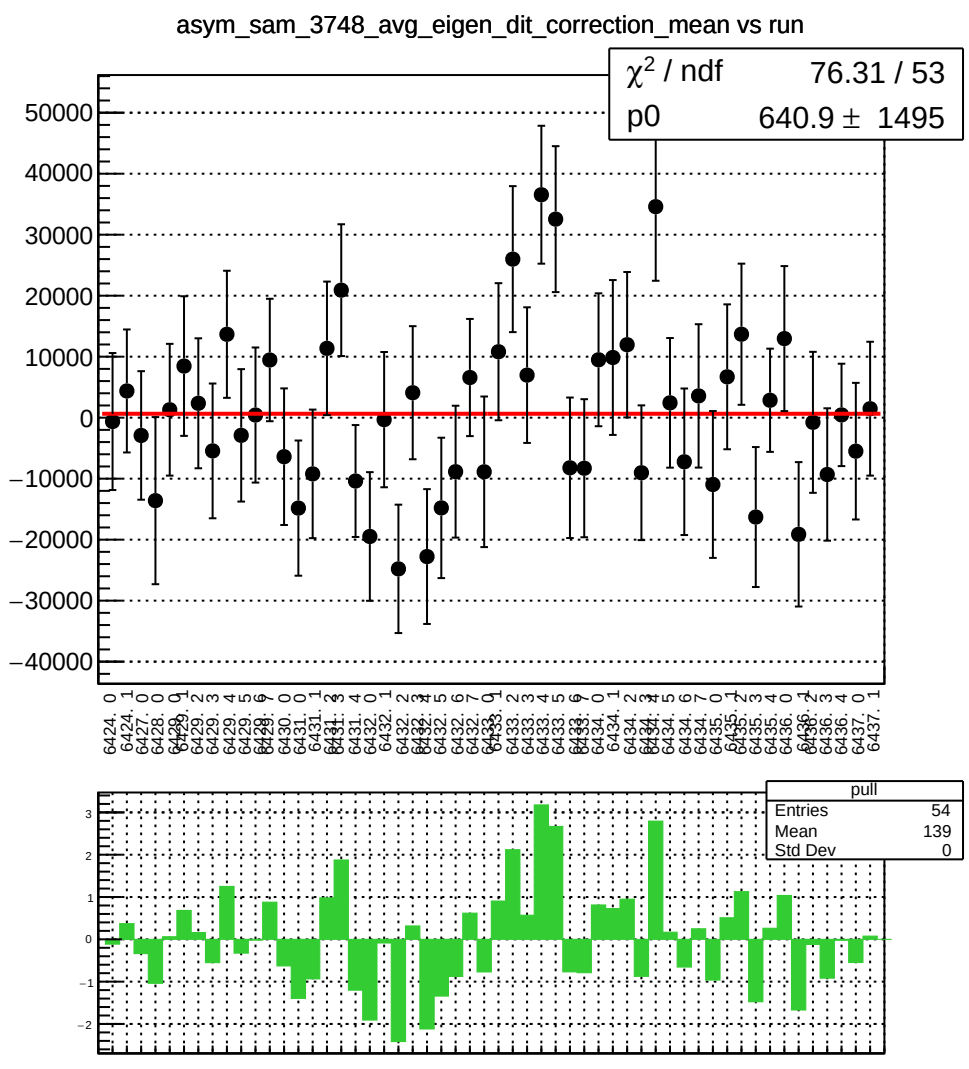

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 76.31 / 53
p0 640.9 ± 1495
pull
Entries 54
Mean 139
Std Dev 0

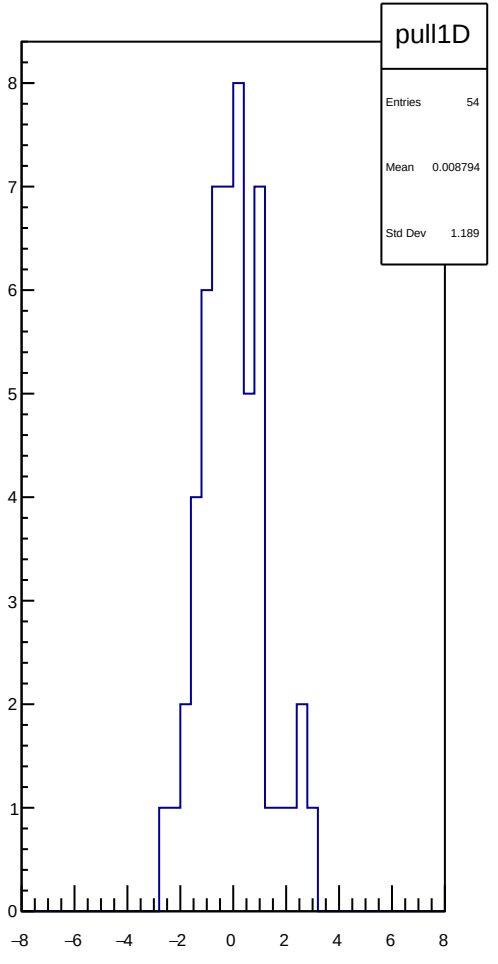

pull1D
Entries 54
Mean 0.008794
Std Dev 1.189

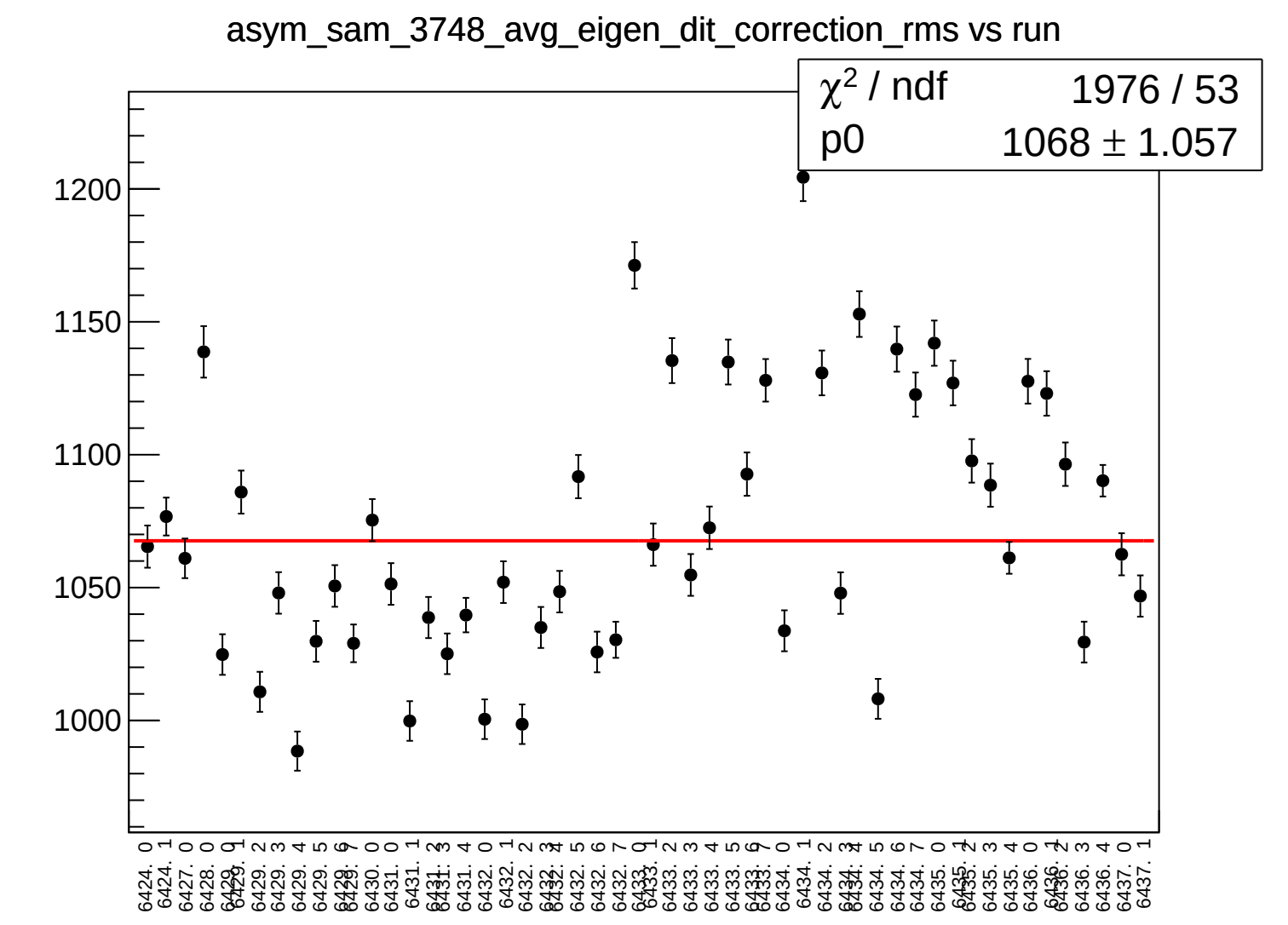

asym_sam_3748_avg_dit_correction_rms vs run
χ^2 / ndf 1976 / 53
p0 1068 ± 1.057
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

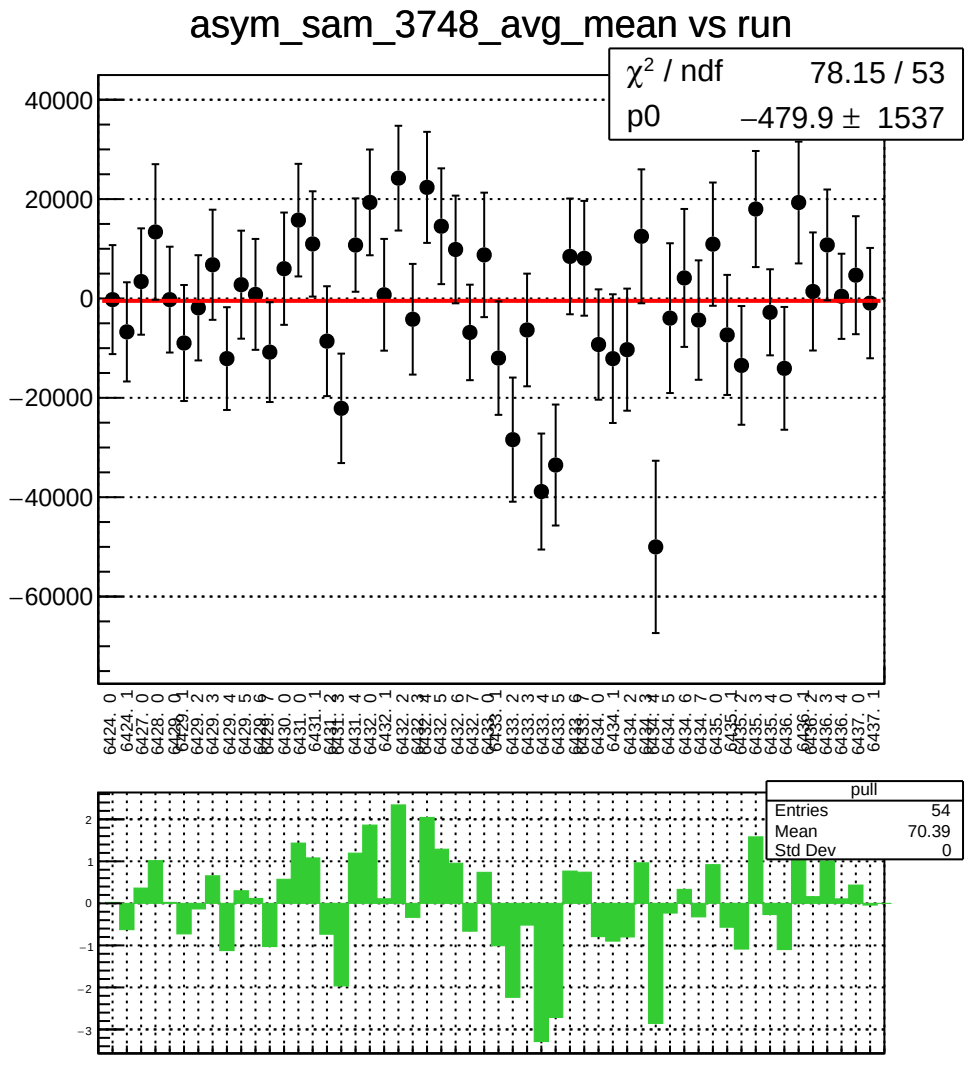

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 72.08 / 53
p0 44.26 ± 138.6
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 35.25
Std Dev 0
pull1D
Entries 54
Mean −0.06967
Std Dev 1.153

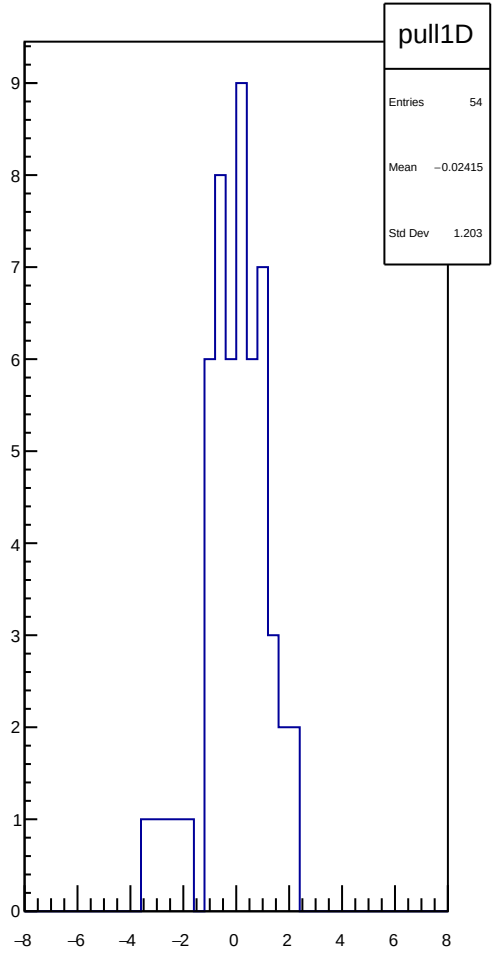

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.395e+04 / 53
p0 96.94 ± 0.09799
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

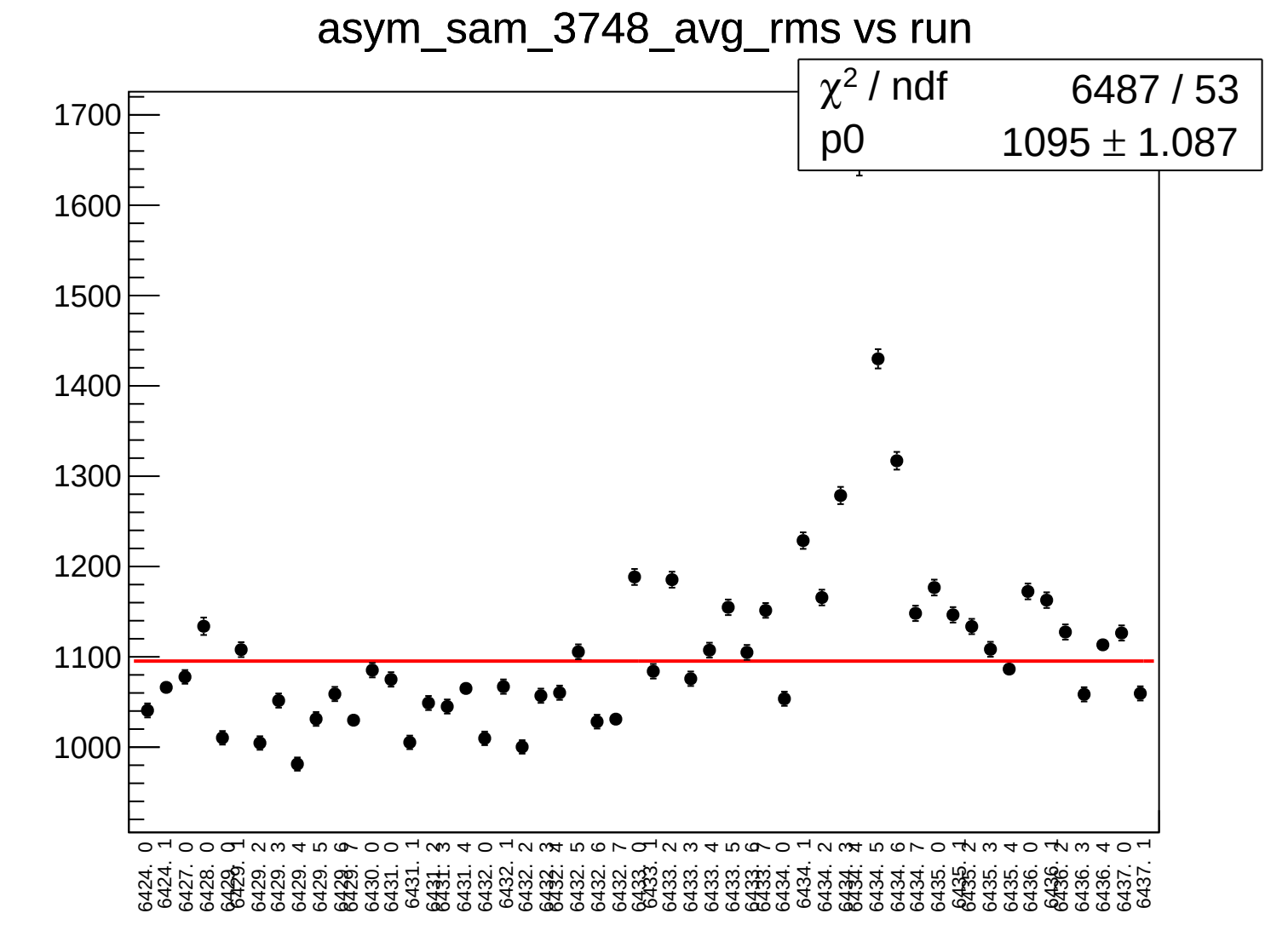

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.31 / 53
p0 640.9 ± 1495
pull
Entries 54
Mean 139
Std Dev 0


pull1D
Entries 54
Mean 0.008794
Std Dev 1.189


asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1976 / 53
p0 1068 ± 1.057
1200
1150
1100
1050
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3748_avg_mean vs run
χ² / ndf 78.15 / 53
p0 −479.9 ± 1537
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 70.39
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.02415
Std Dev 1.203
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_rms vs run
χ² / ndf 6487 / 53
p0 1095 ± 1.087
1700
1600
1500
1400
1300
1200
1100
1000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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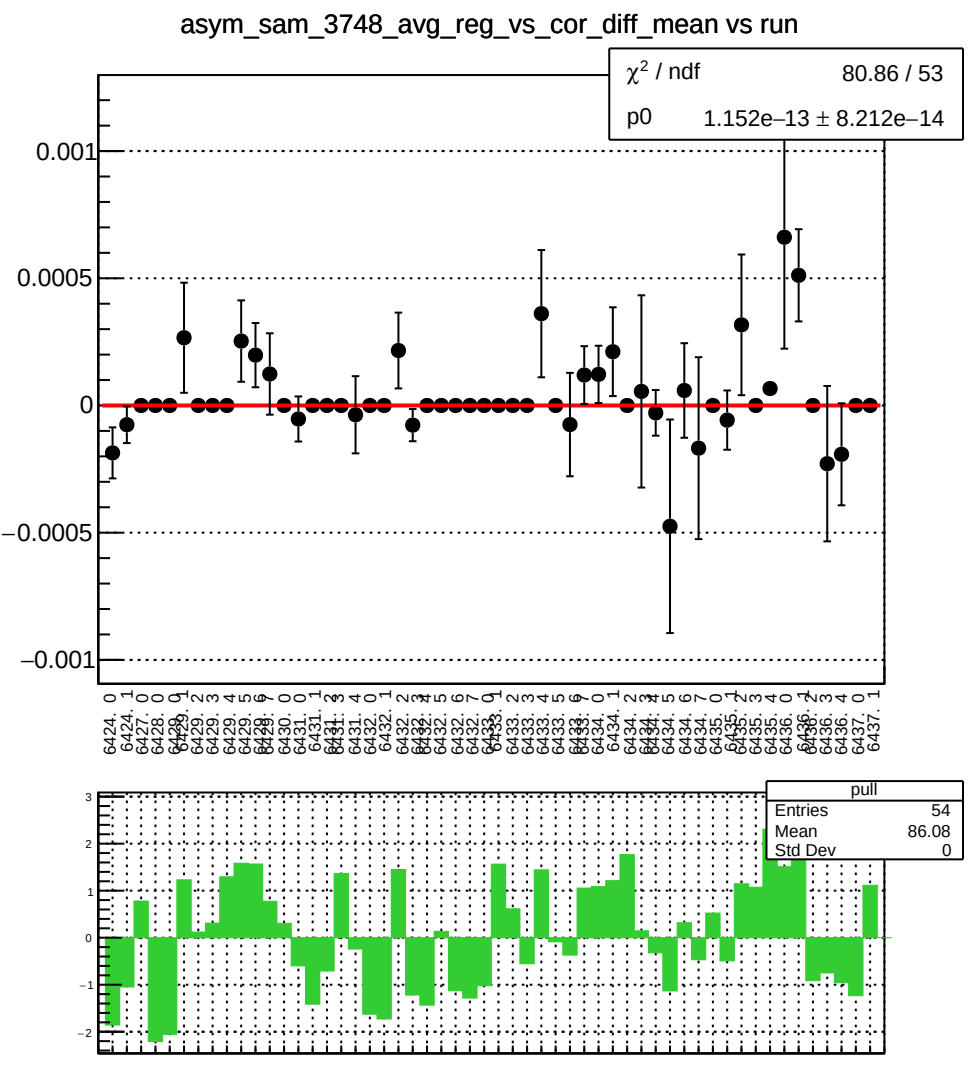
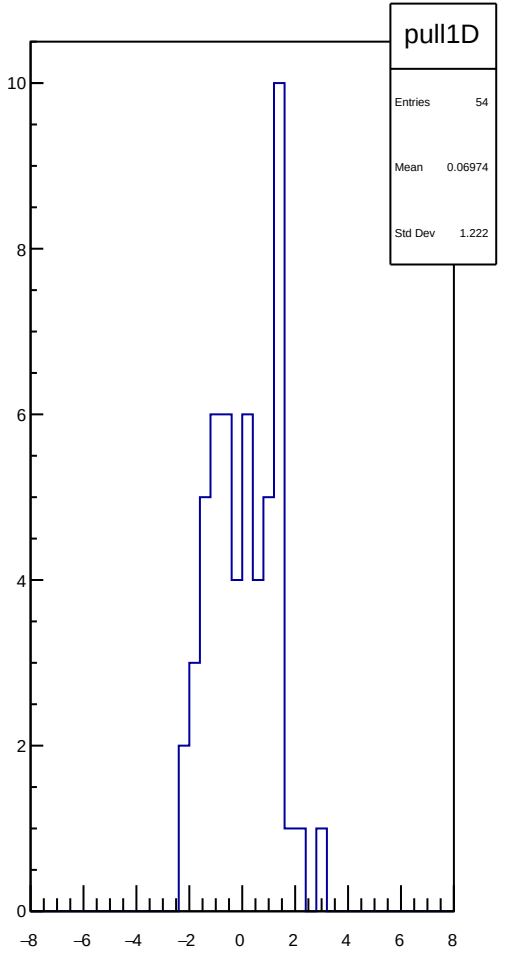
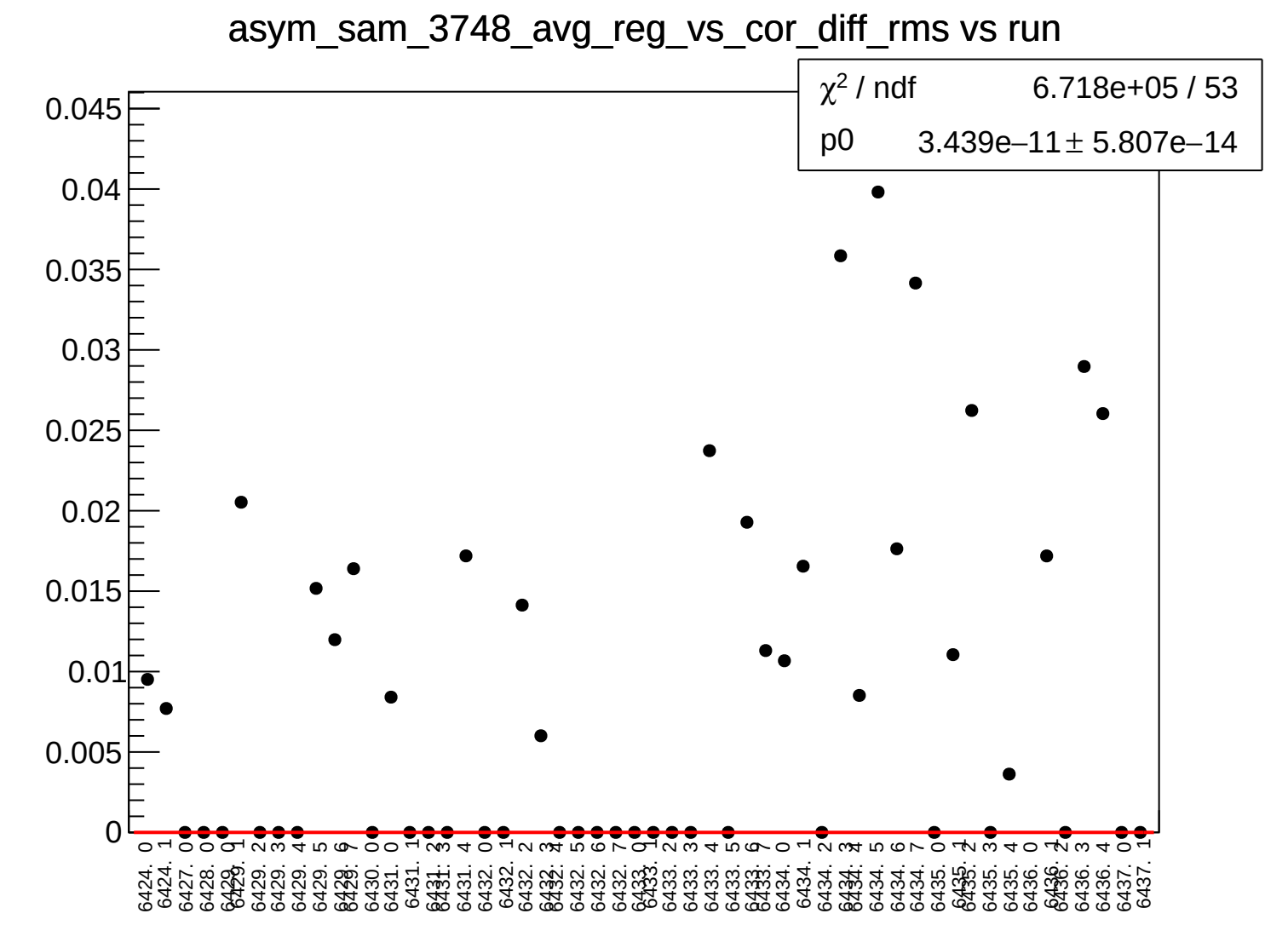
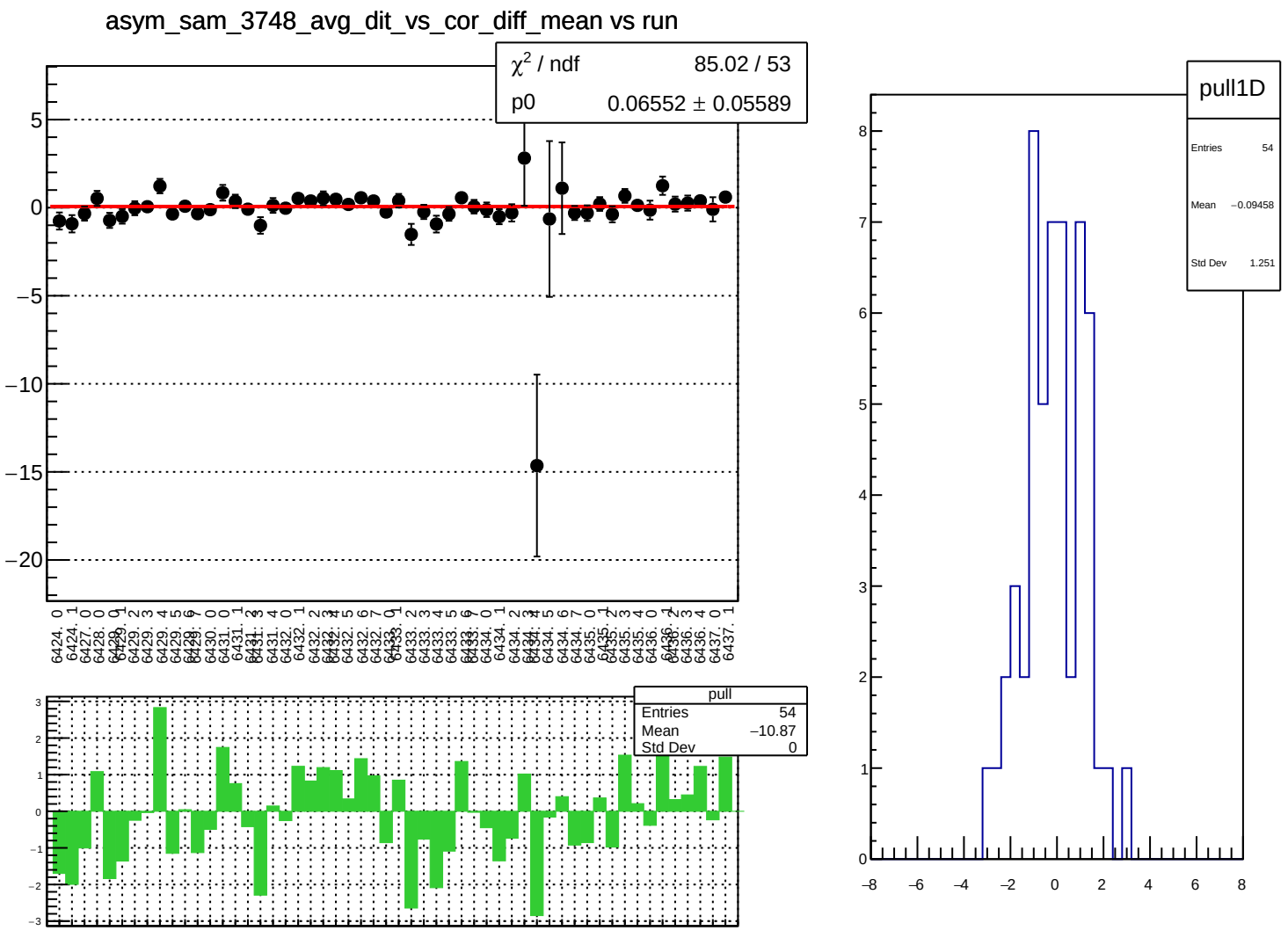
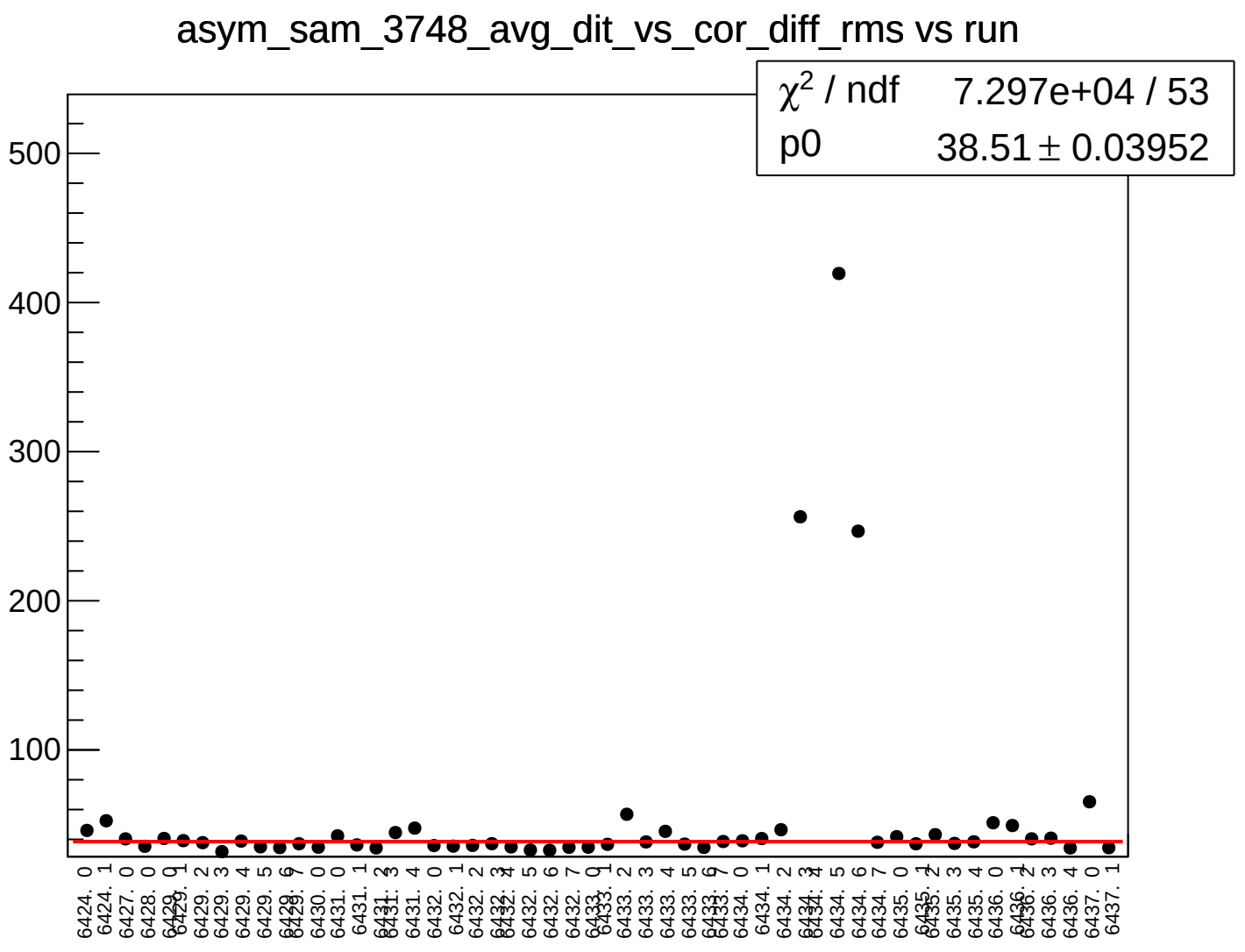
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

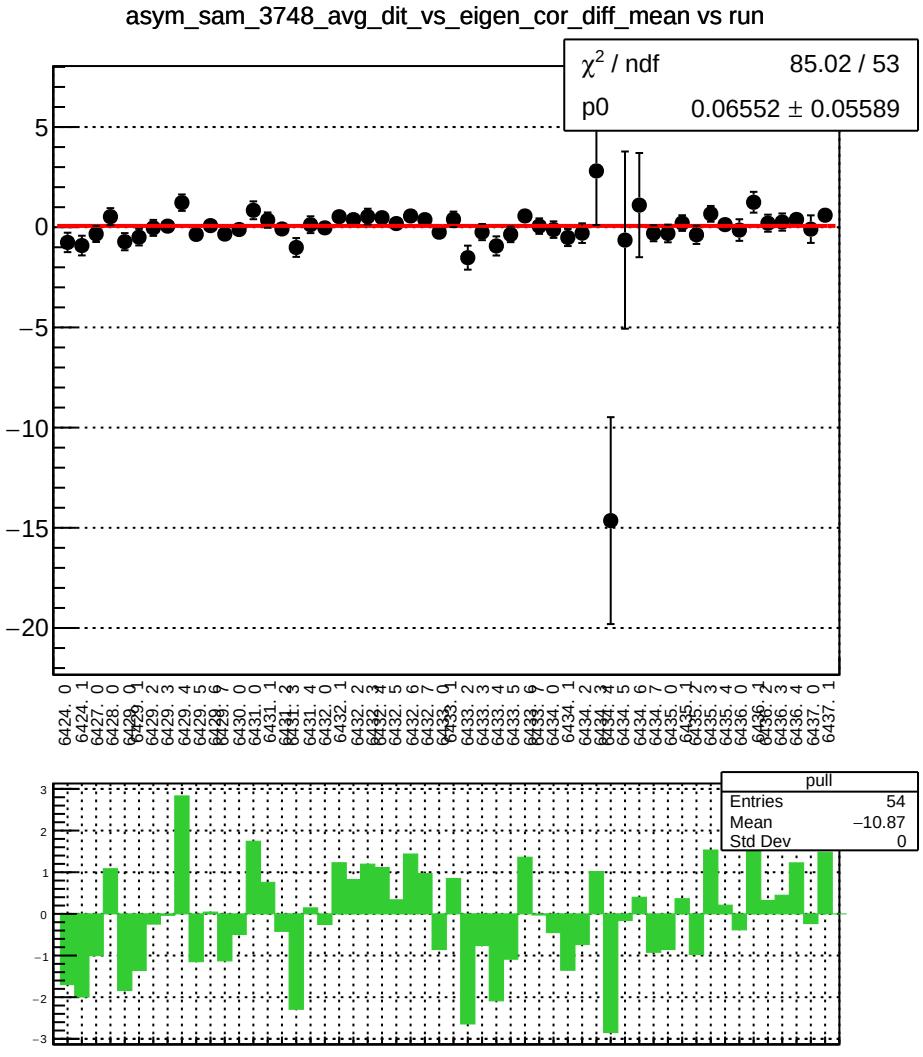

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 80.86 / 53
p0 1.152e−13 ± 8.212e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 54
Mean 86.08
Std Dev 0

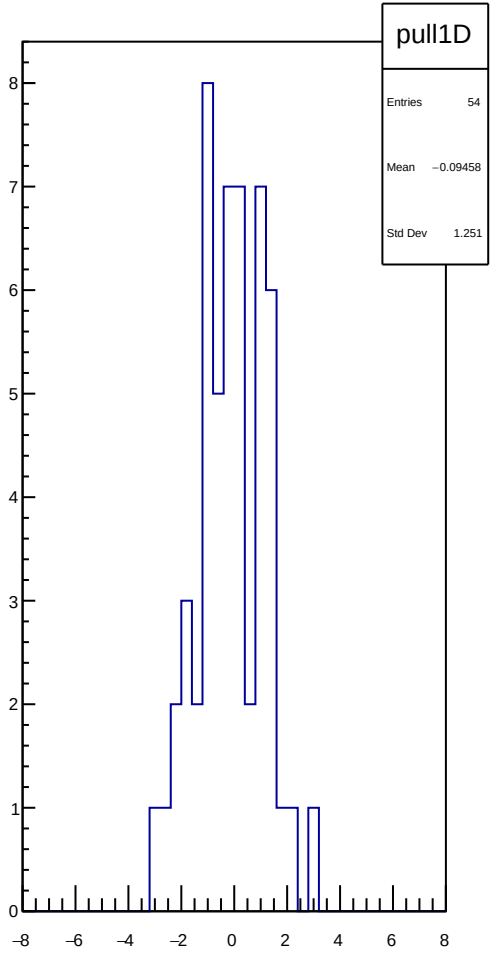

pull1D
Entries 54
Mean 0.06974
Std Dev 1.222

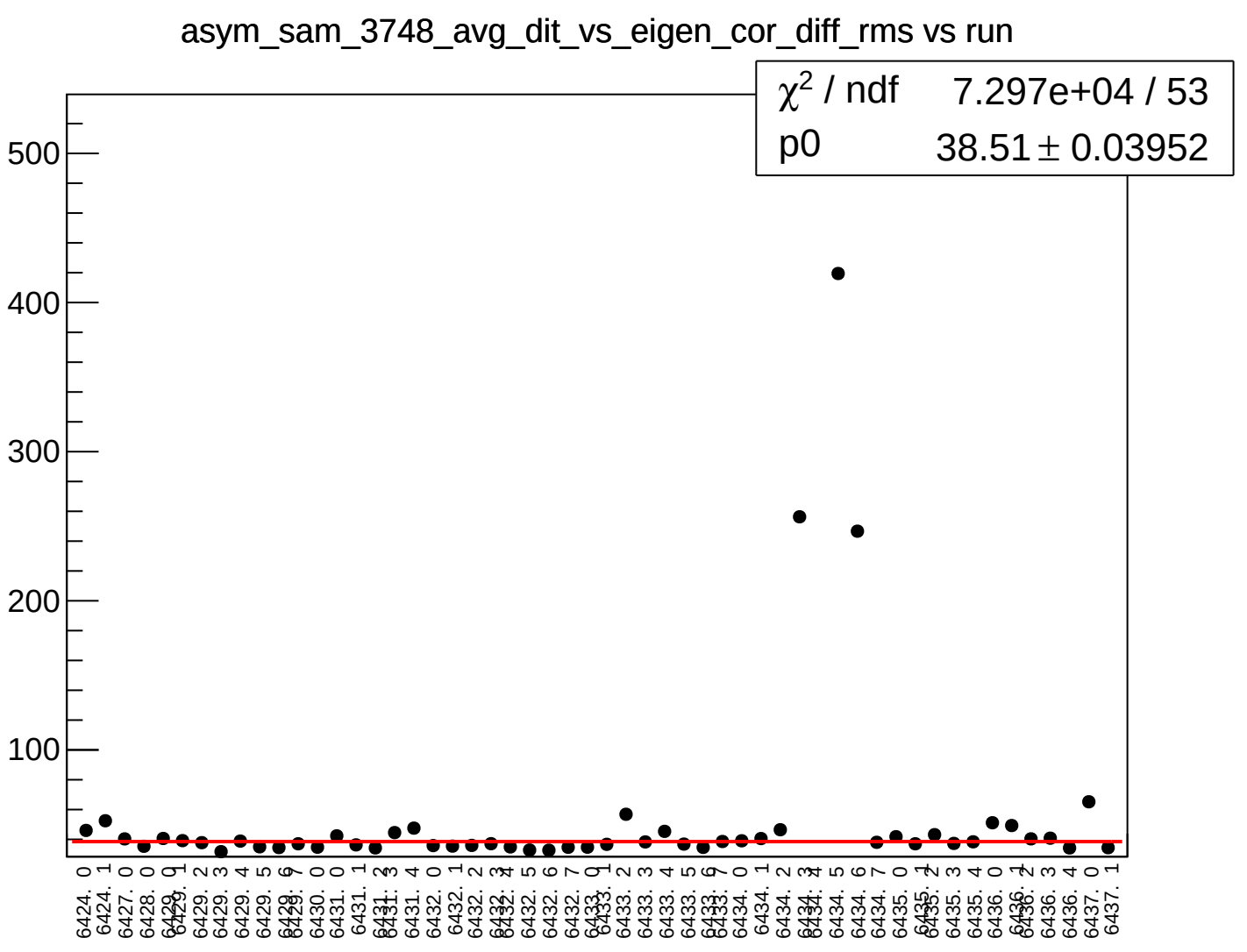

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.718e+05 / 53
p0 3.439e−11 ± 5.807e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0


asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.02 / 53
p0 0.06552 ± 0.05589
pull
Entries 54
Mean −10.87
Std Dev 0
pull1D
Entries 54
Mean −0.09458
Std Dev 1.251


asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 53
p0 38.51 ± 0.03952
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.02 / 53
p0 0.06552 ± 0.05589
pull
Entries 54
Mean −10.87
Std Dev 0


pull1D
Entries 54
Mean −0.09458
Std Dev 1.251


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 53
p0 38.51 ± 0.03952
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
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6435. 4
6436. 0
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6436. 3
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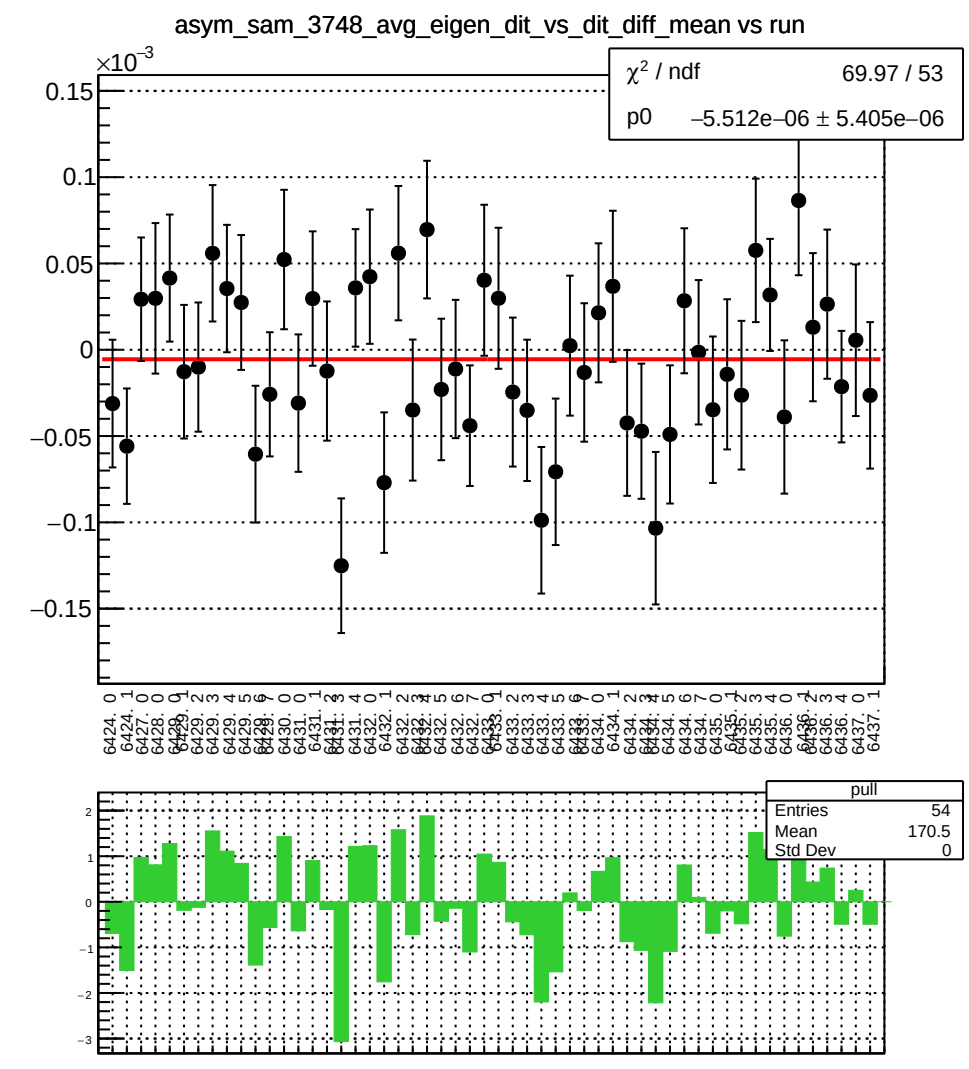
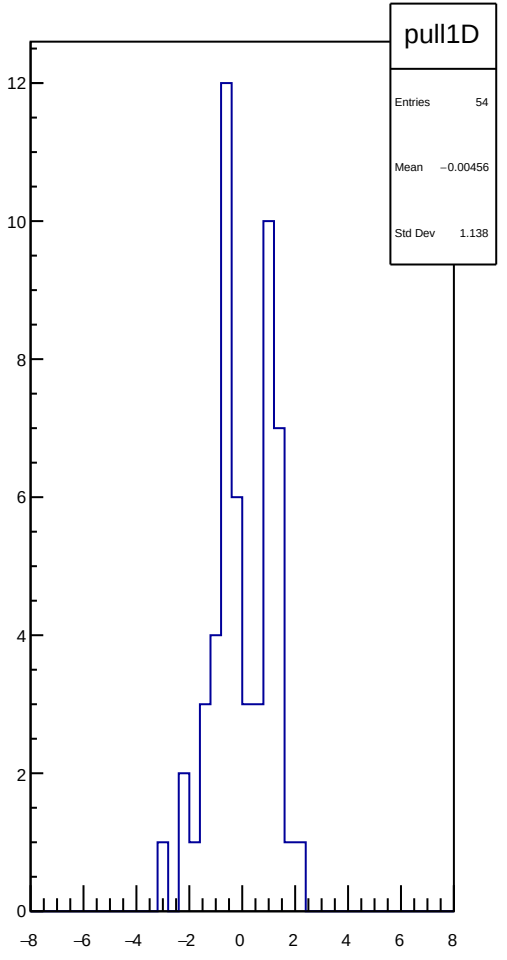
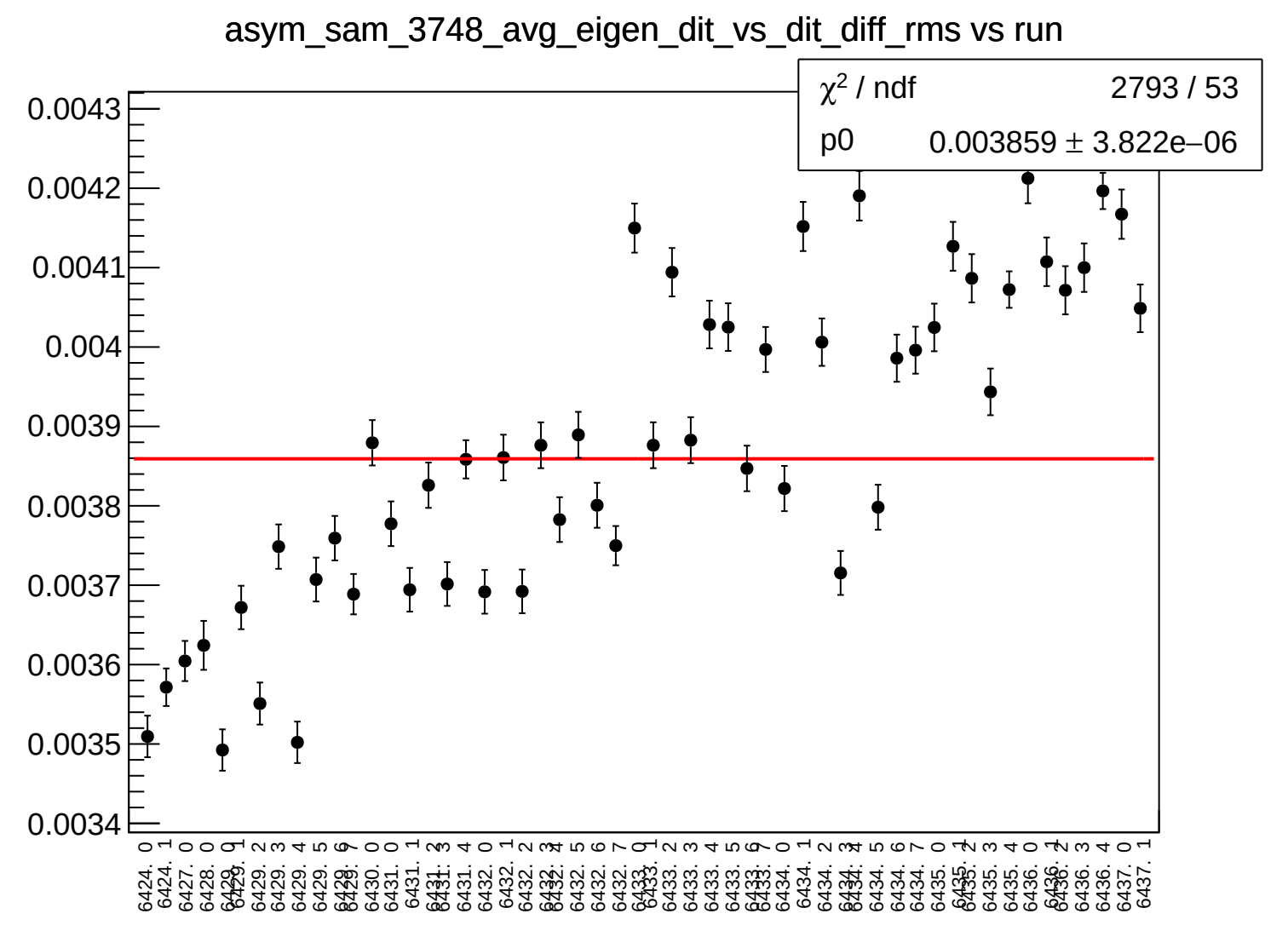
6437. 0
6437. 1


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.97 / 53
p0 −5.512e−06 ± 5.405e−06
pull
Entries 54
Mean 170.5
Std Dev 0


pull1D
Entries 54
Mean −0.00456
Std Dev 1.138


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2793 / 53
p0 0.003859 ± 3.822e−06
0.0043
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
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6434. 2
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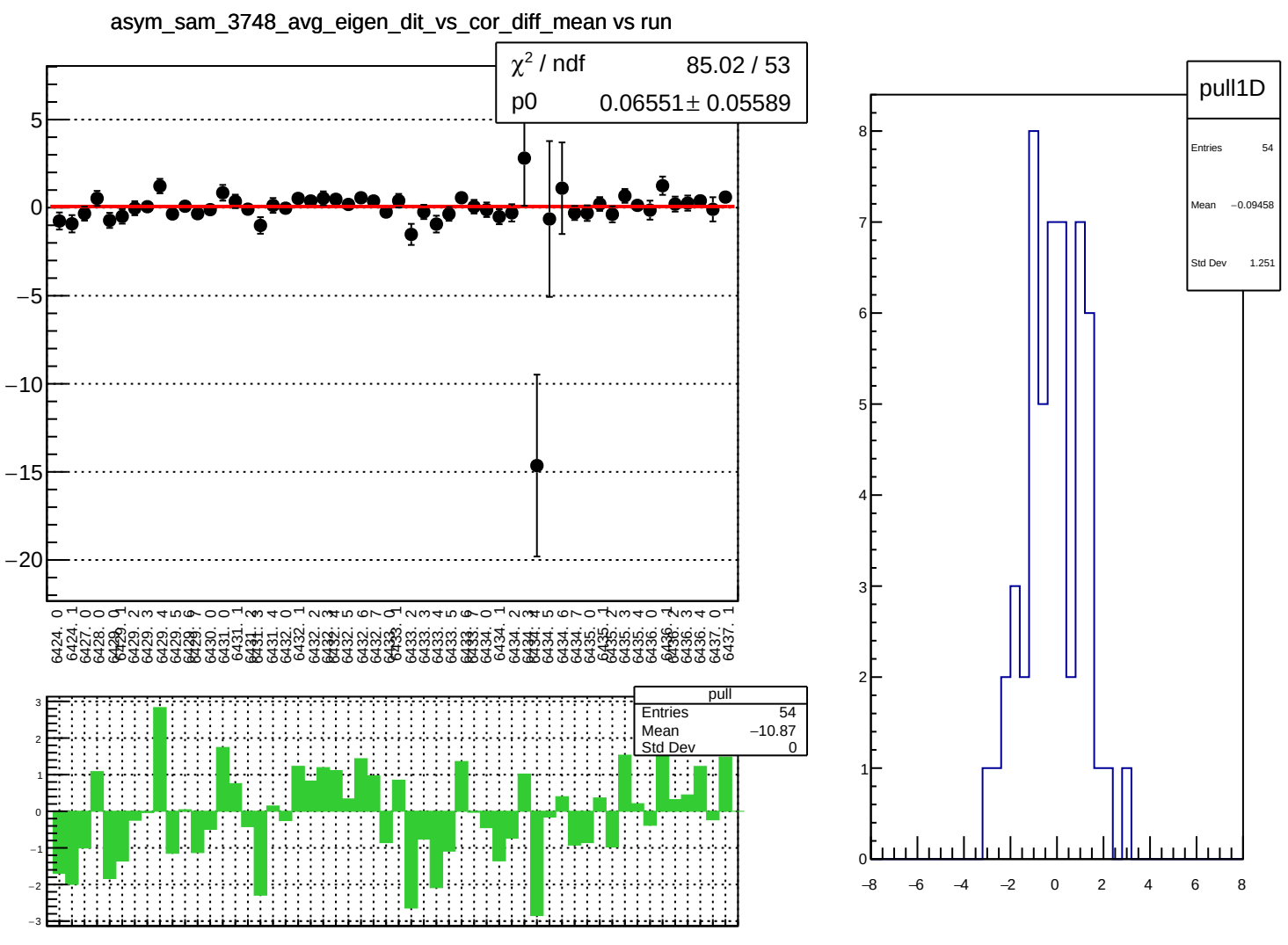
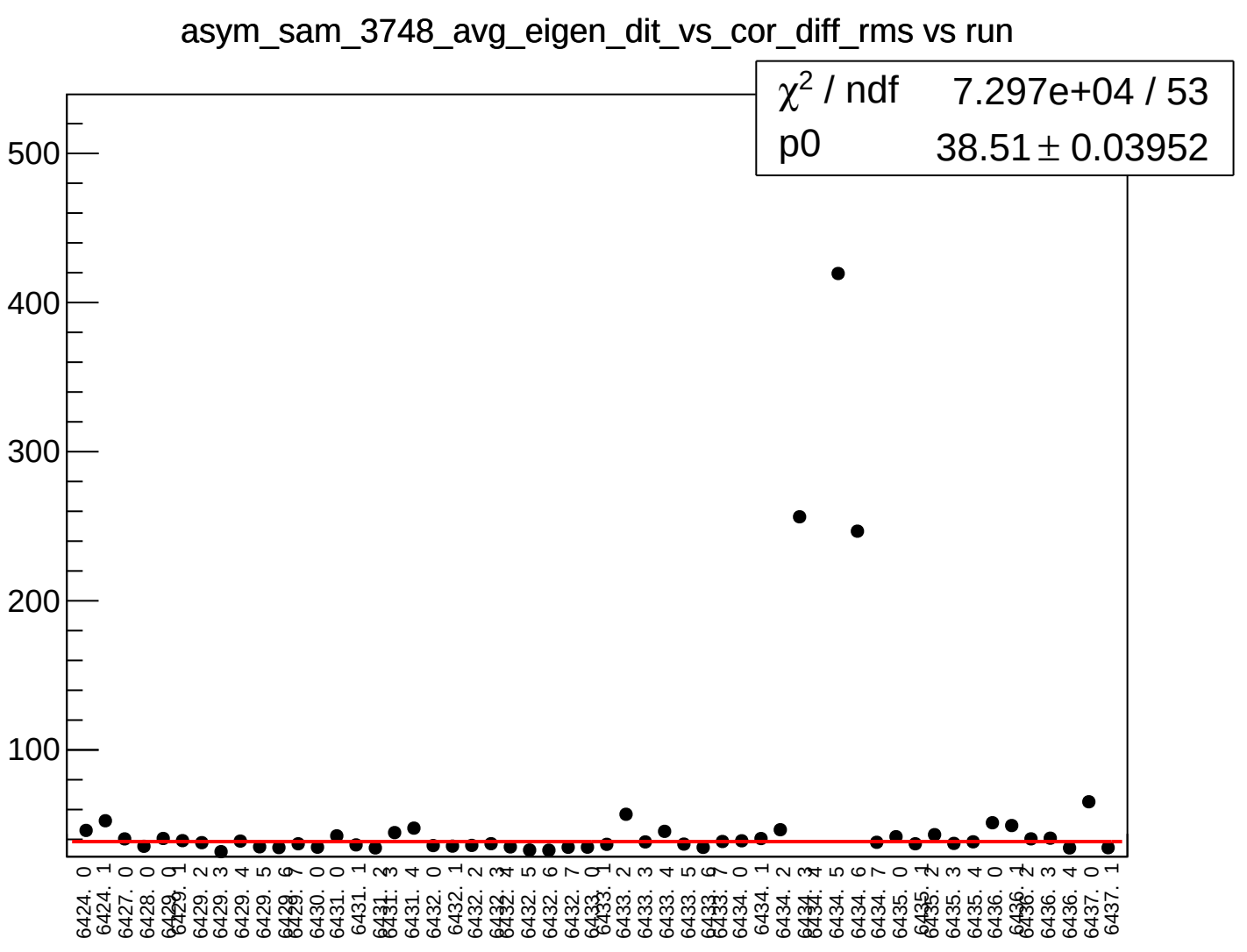
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.02 / 53
p0 0.06551 ± 0.05589
pull
Entries 54
Mean −10.87
Std Dev 0
pull1D
Entries 54
Mean −0.09458
Std Dev 1.251


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 53
p0 38.51 ± 0.03952
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 4
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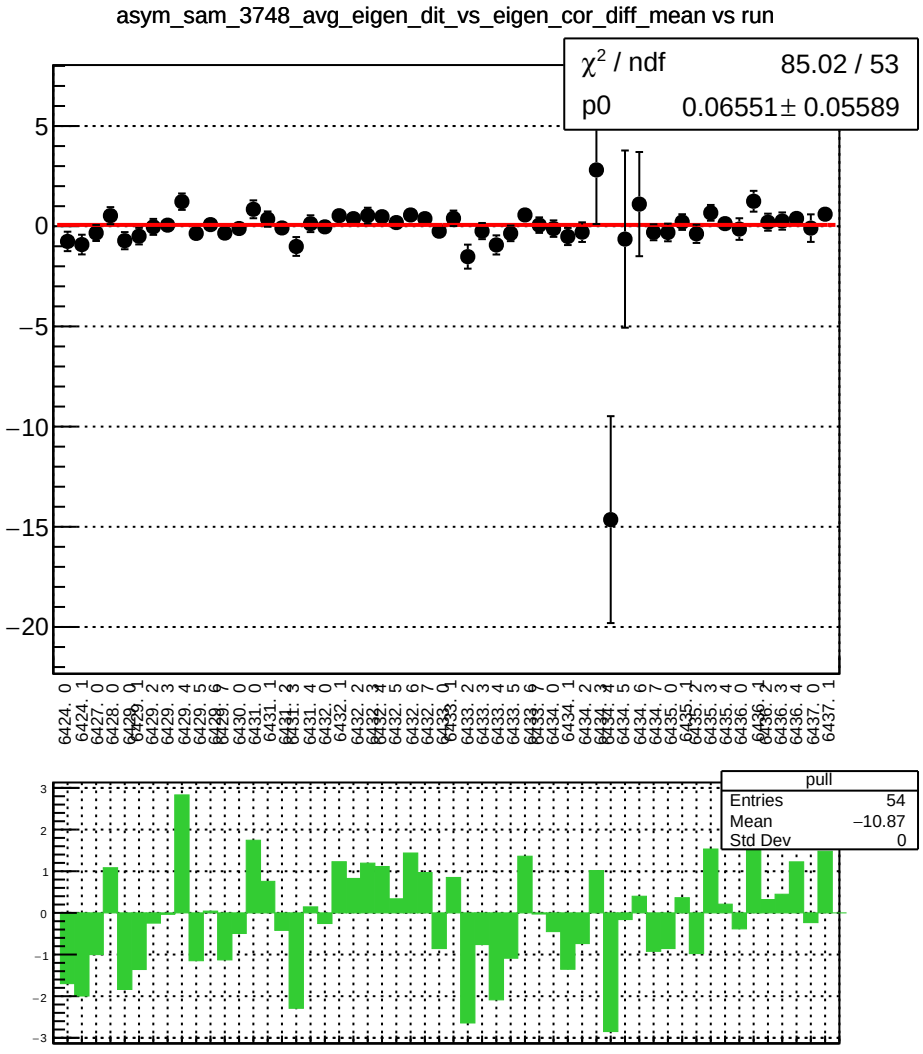
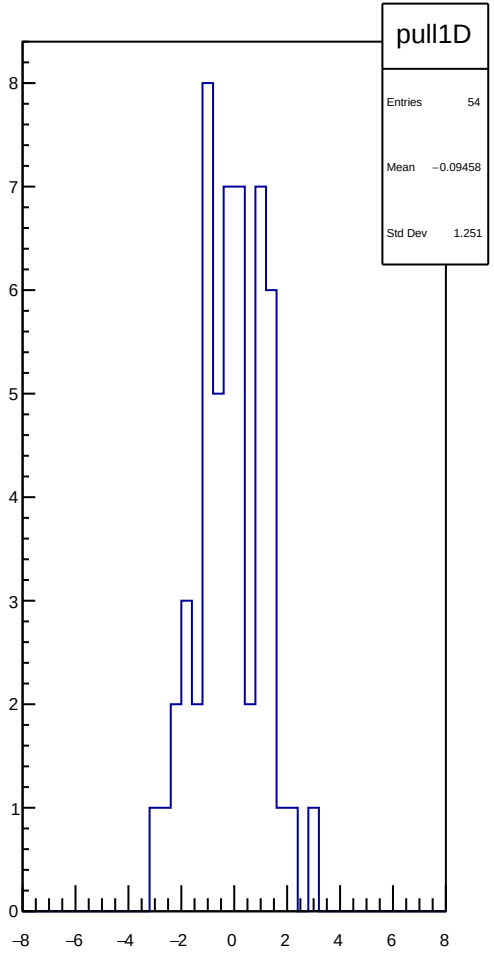
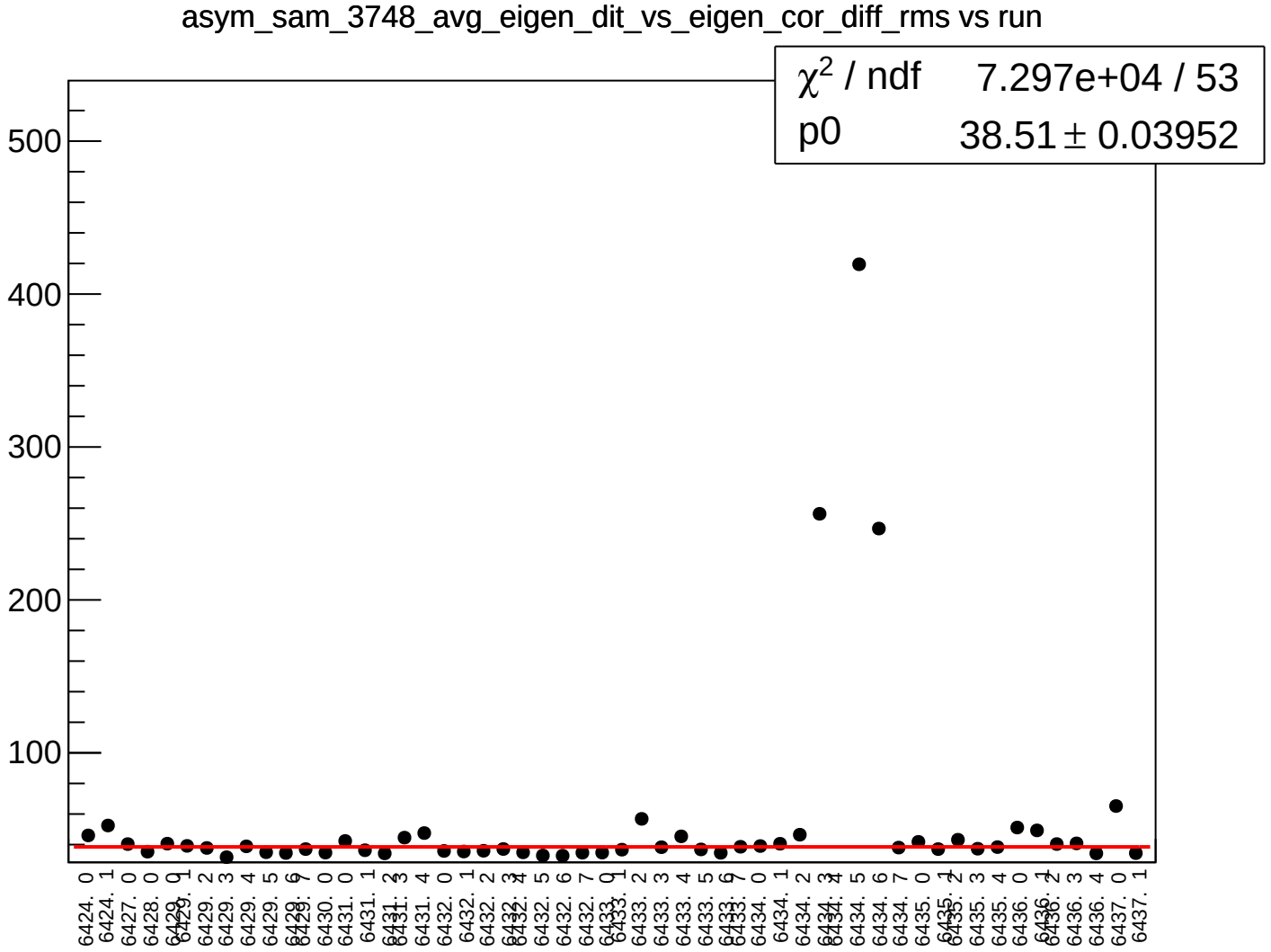
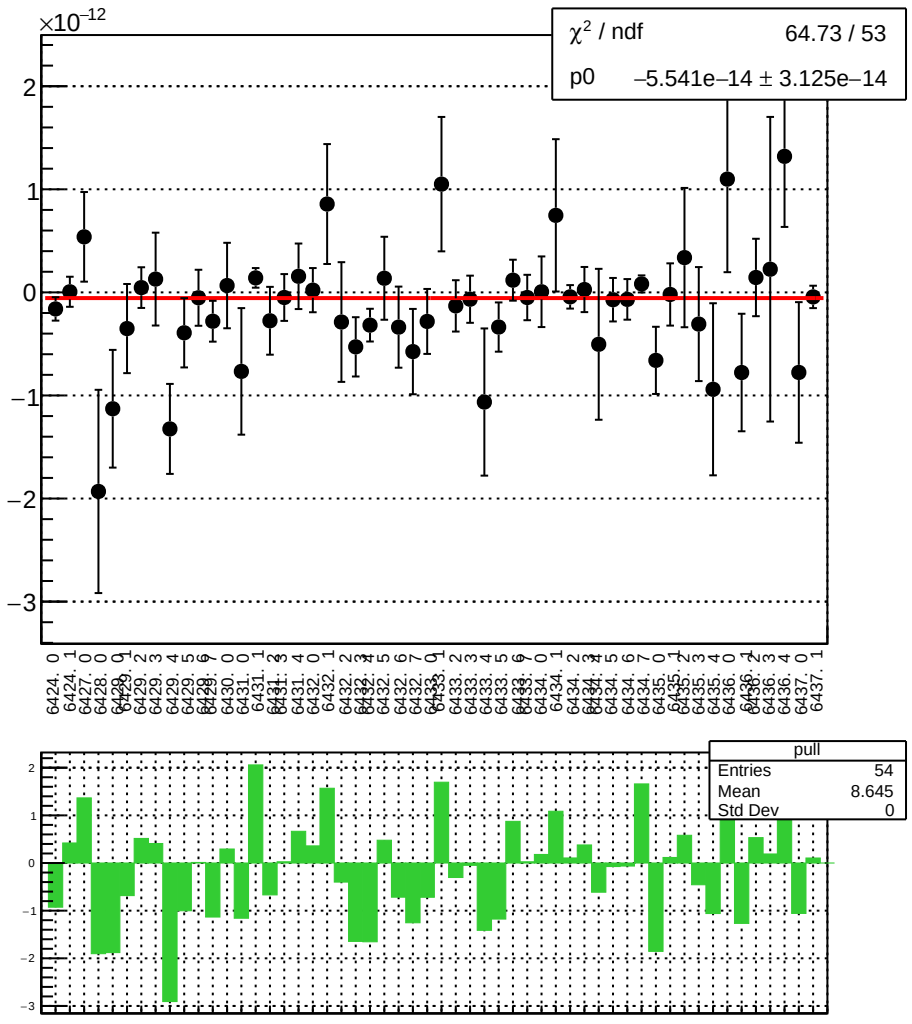
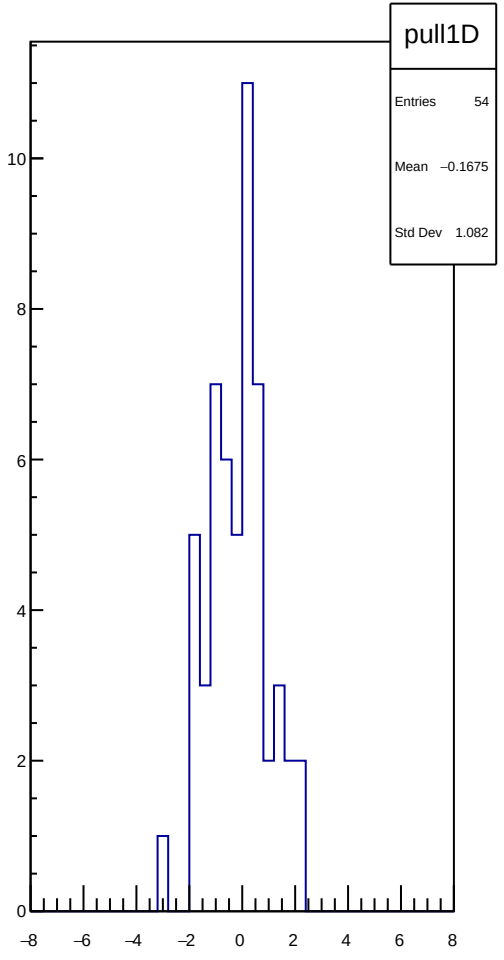
6436. 4
6437. 0
6437. 1

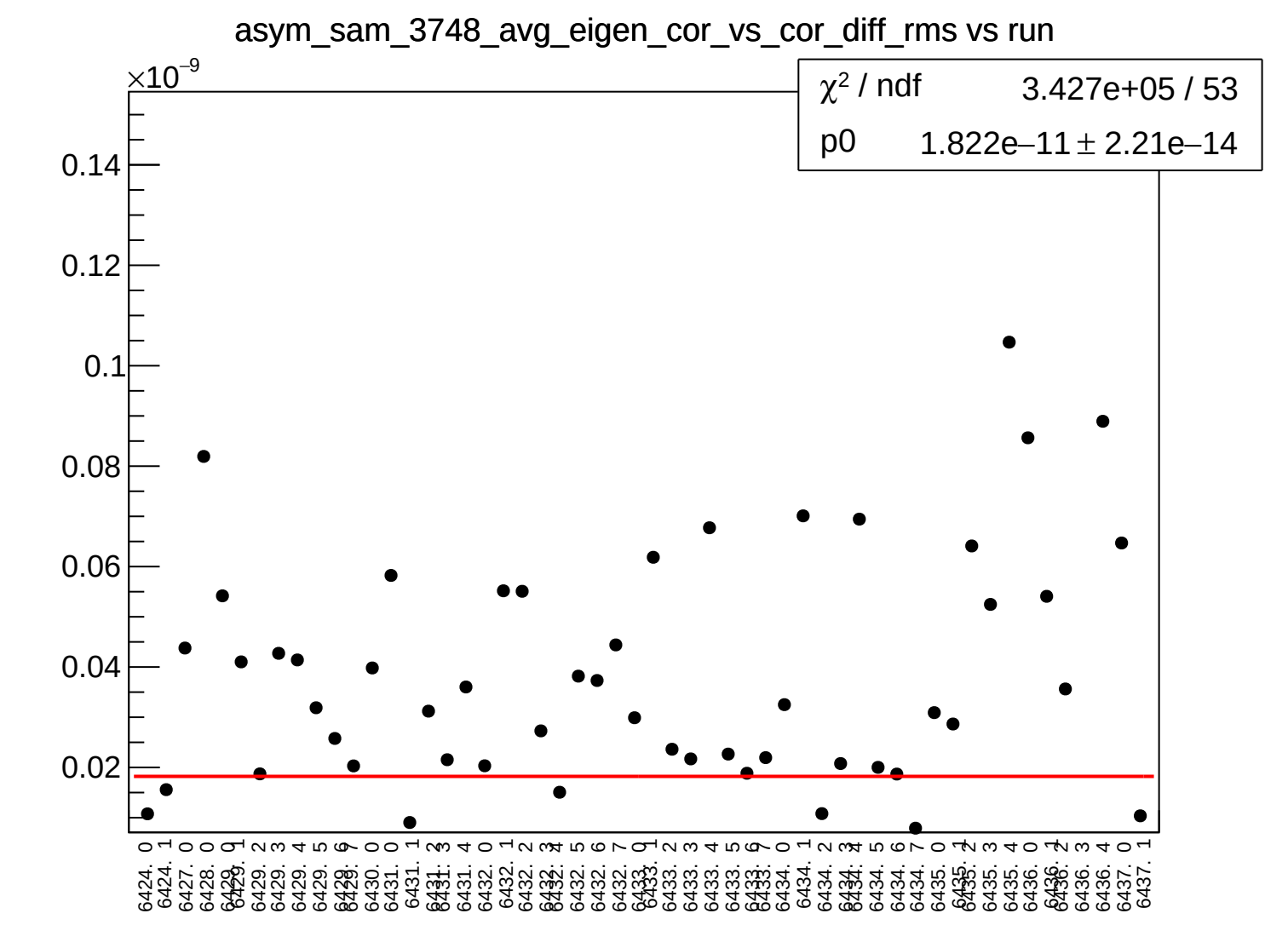

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.02 / 53
p0 0.06551 ± 0.05589
pull
Entries 54
Mean −10.87
Std Dev 0

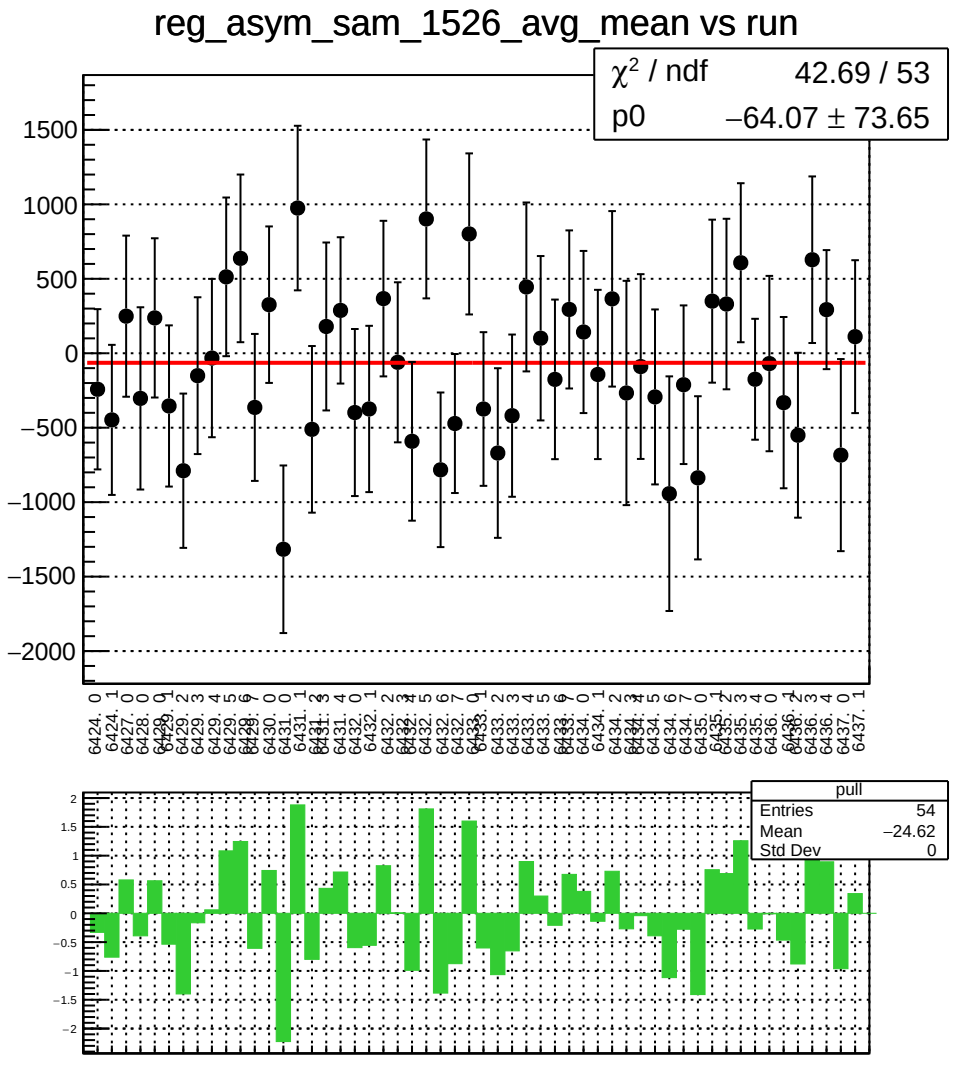

pull1D
Entries 54
Mean −0.09458
Std Dev 1.251

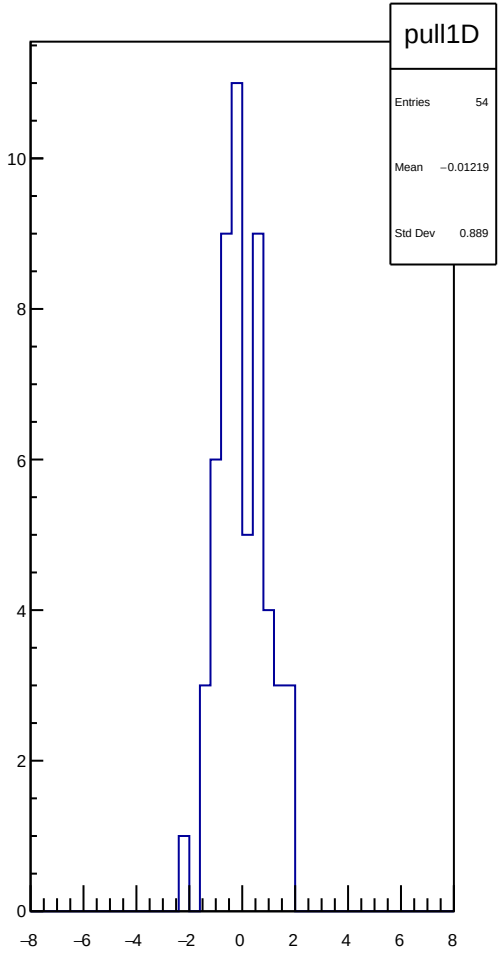

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 53
p0 38.51 ± 0.03952
500
400
300
200
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

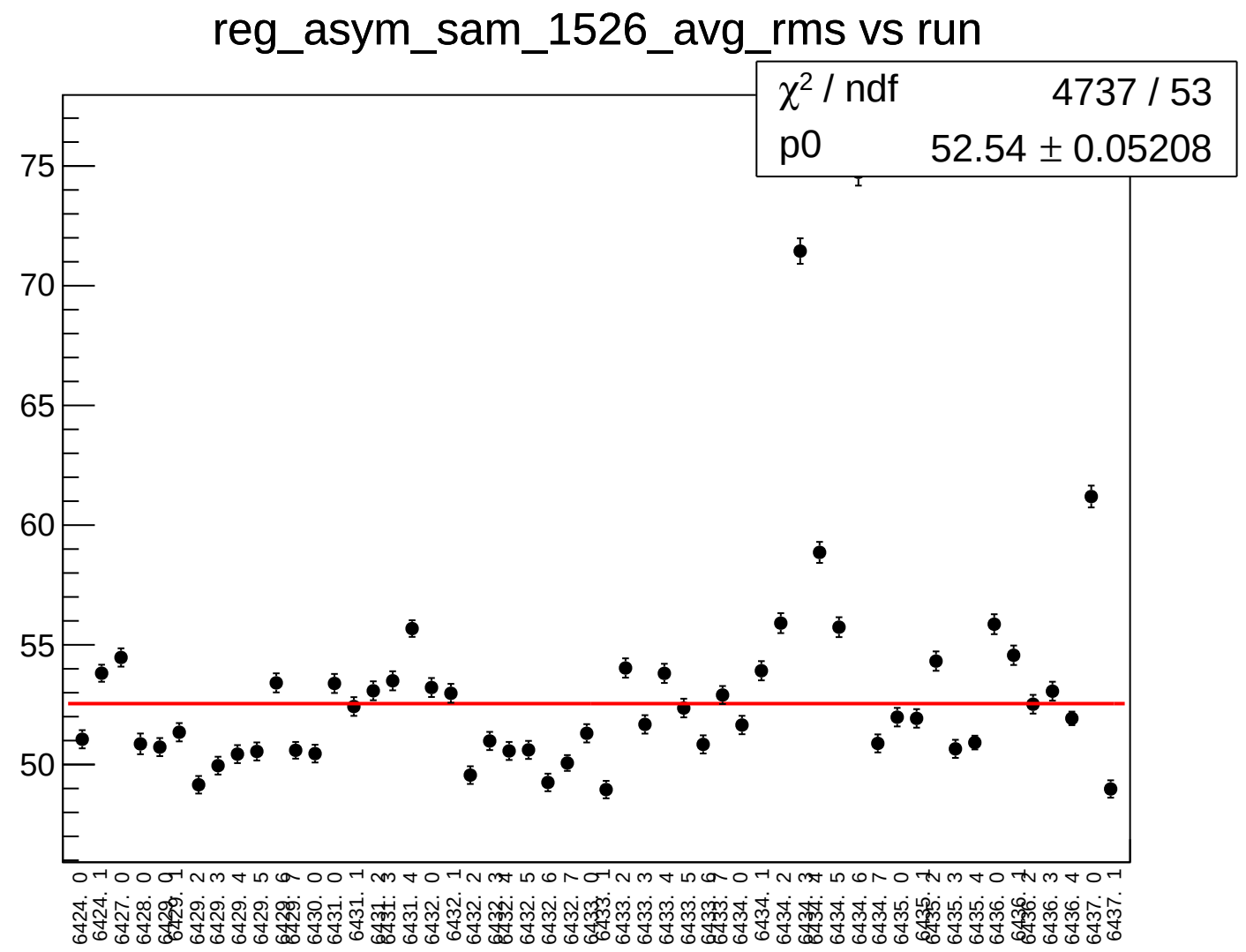

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.73 / 53
p0 −5.541e−14 ± 3.125e−14
pull
Entries 54
Mean 8.645
Std Dev 0

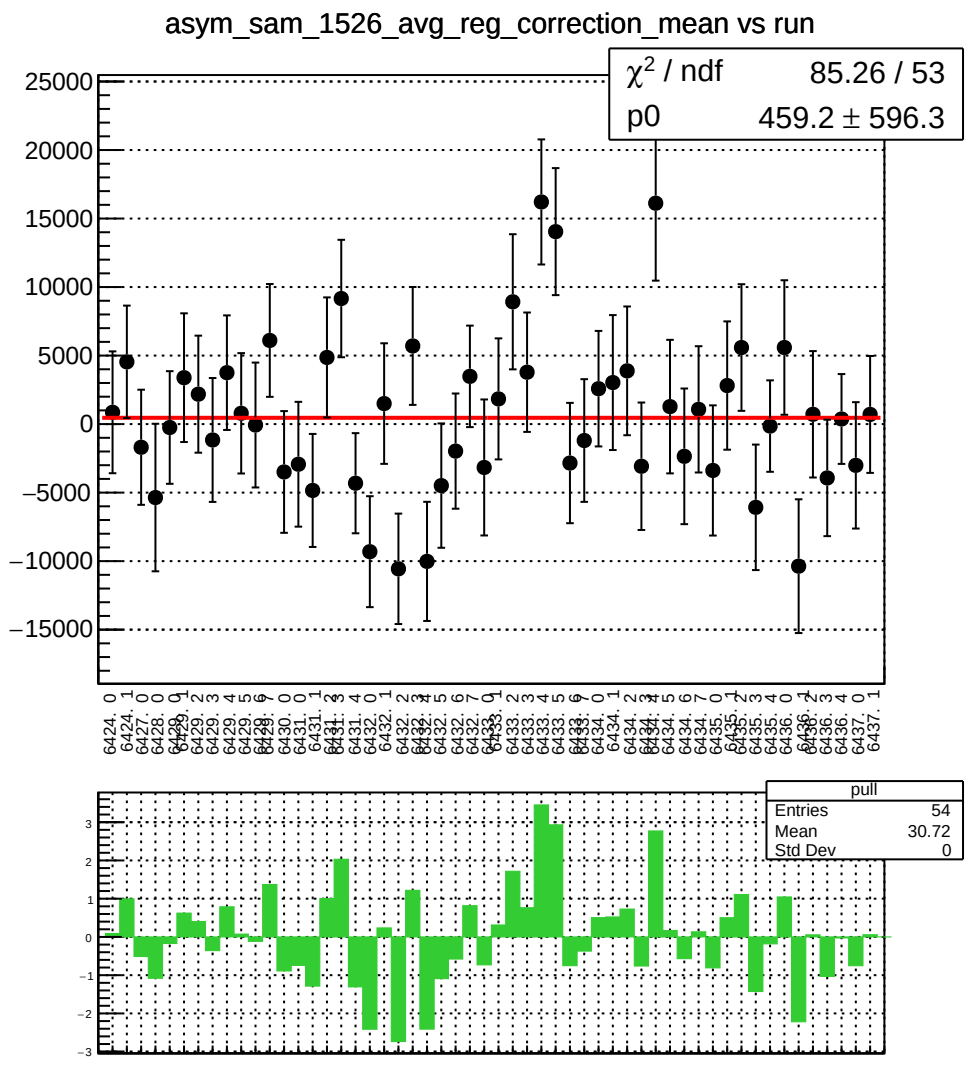

pull1D
Entries 54
Mean −0.1675
Std Dev 1.082

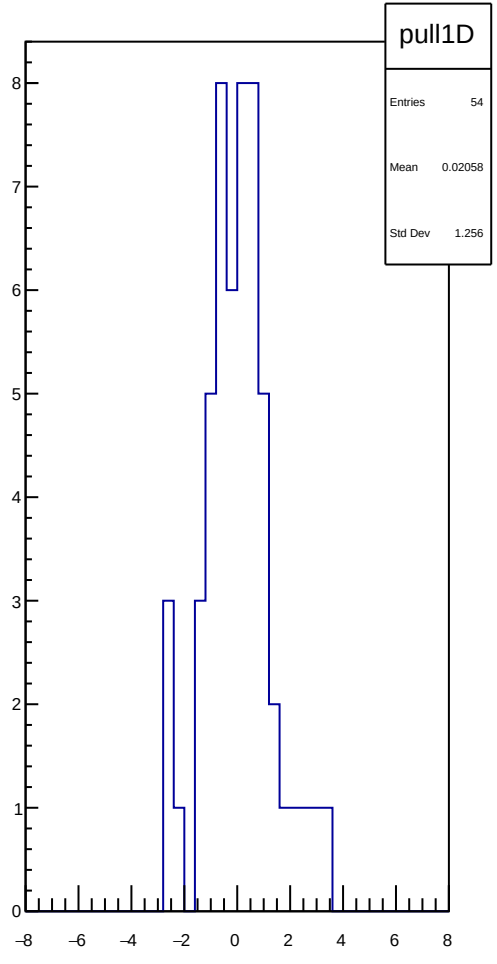

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.427e+05 / 53
p0 1.822e−11 ± 2.21e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

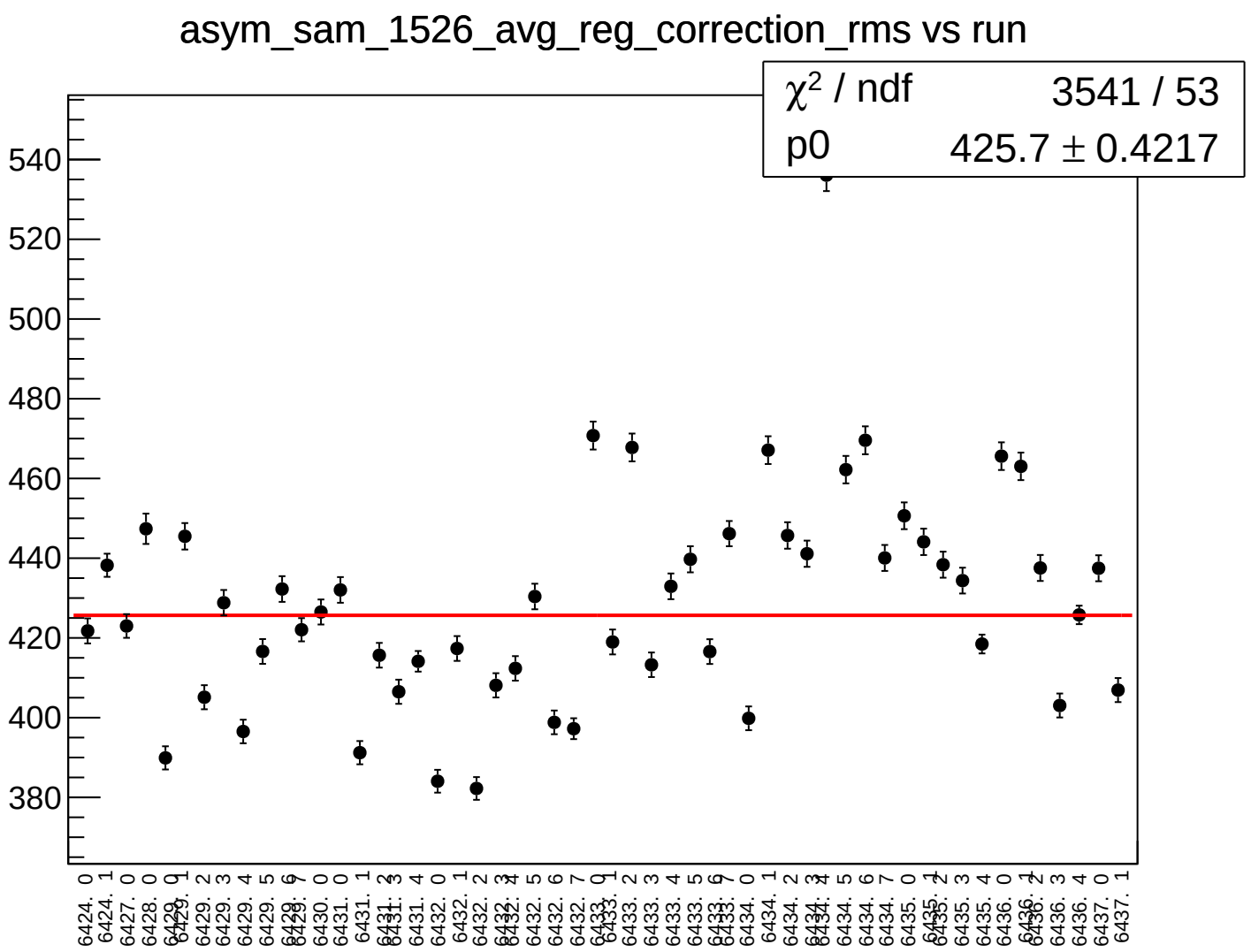

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 42.69 / 53
p0 −64.07 ± 73.65
pull
Entries 54
Mean −24.62
Std Dev 0

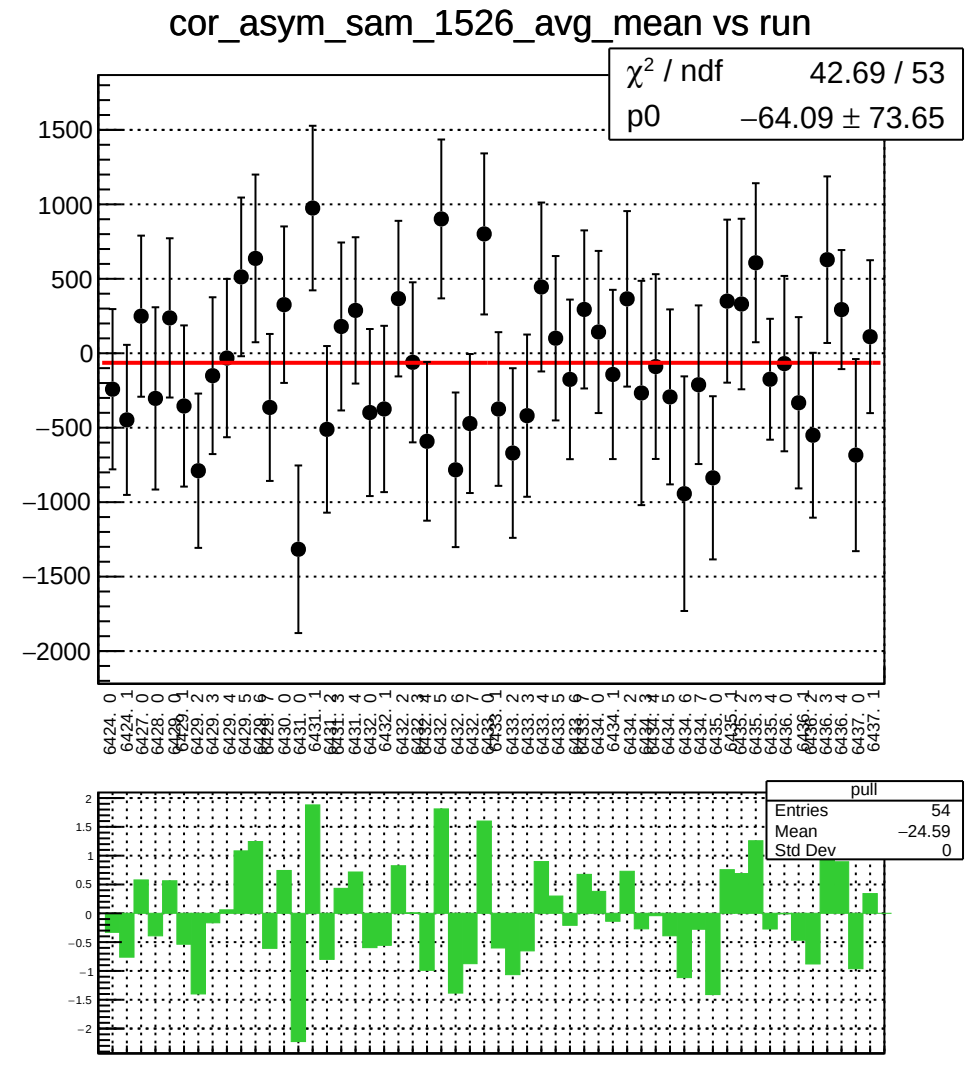

pull1D
Entries 54
Mean −0.01219
Std Dev 0.889

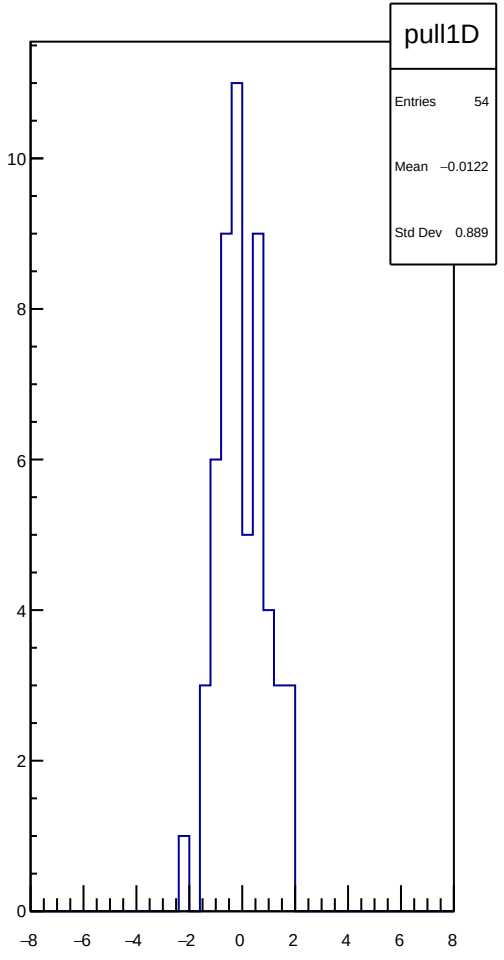

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 4737 / 53
p0 52.54 ± 0.05208
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

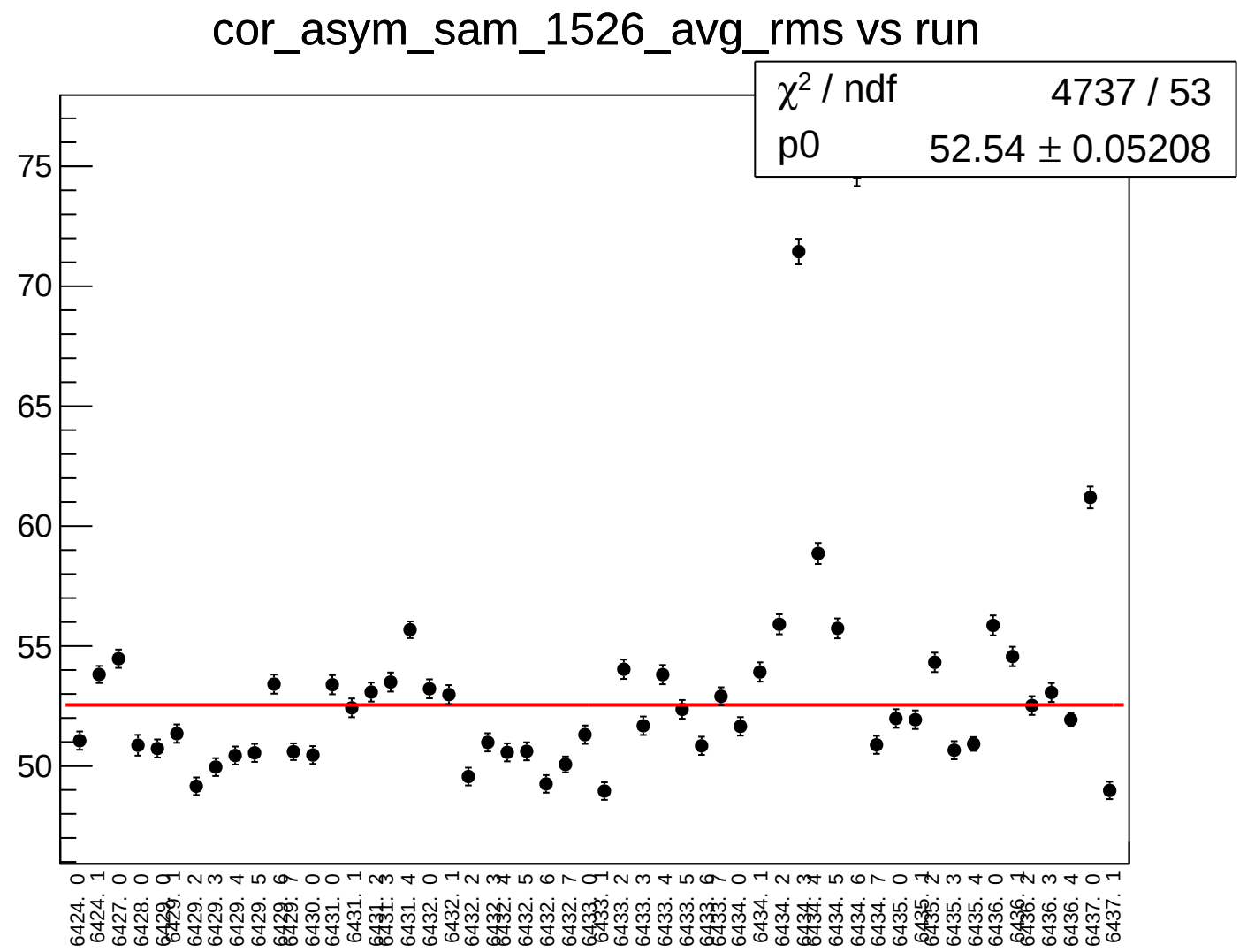

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 85.26 / 53
p0 459.2 ± 596.3
pull
Entries 54
Mean 30.72
Std Dev 0

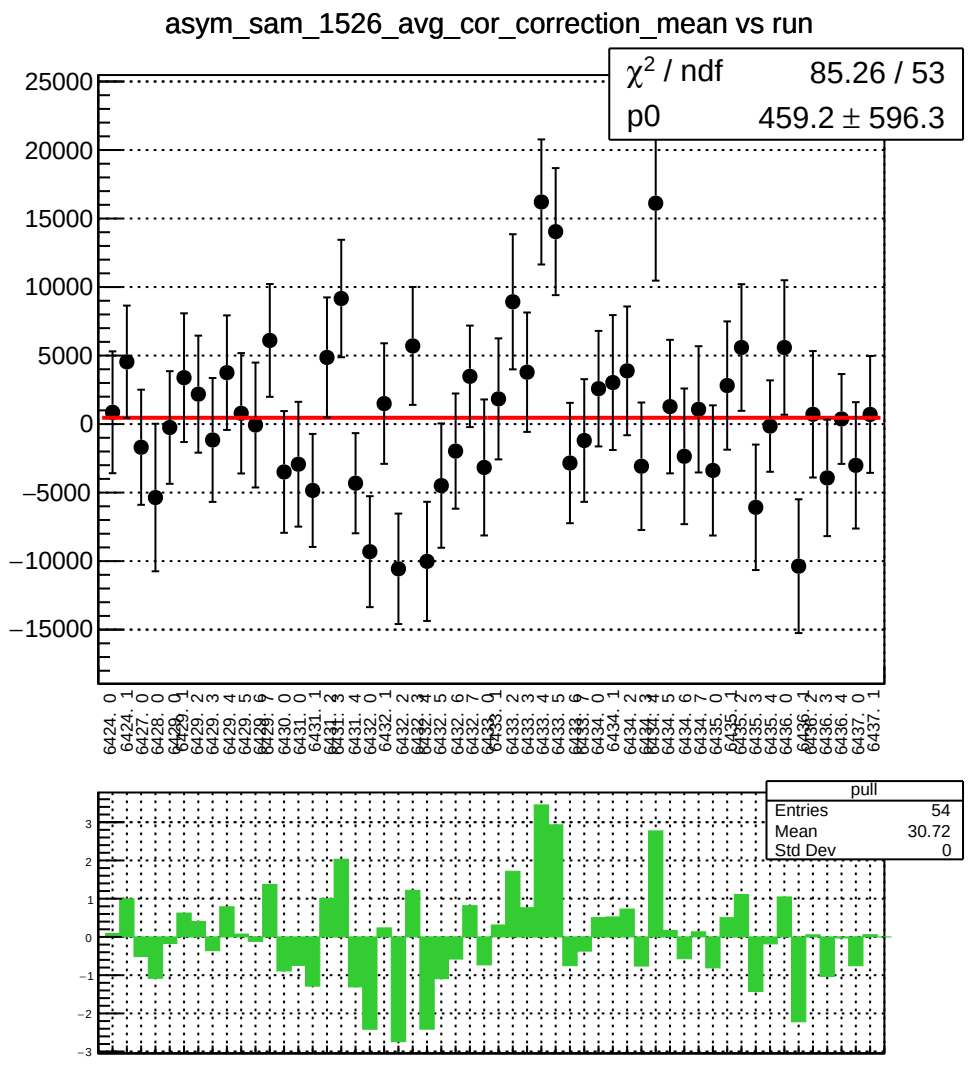

pull1D
Entries 54
Mean 0.02058
Std Dev 1.256

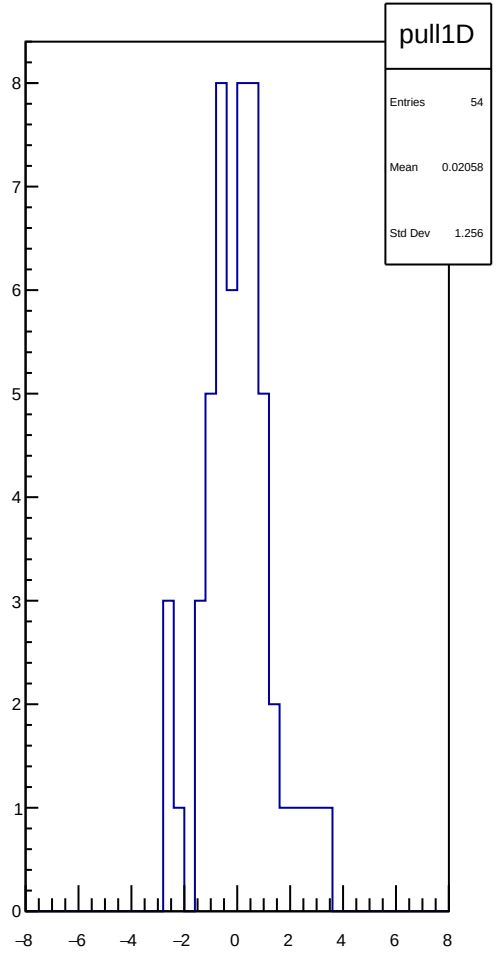

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 3541 / 53
p0 425.7 ± 0.4217
540
520
500
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

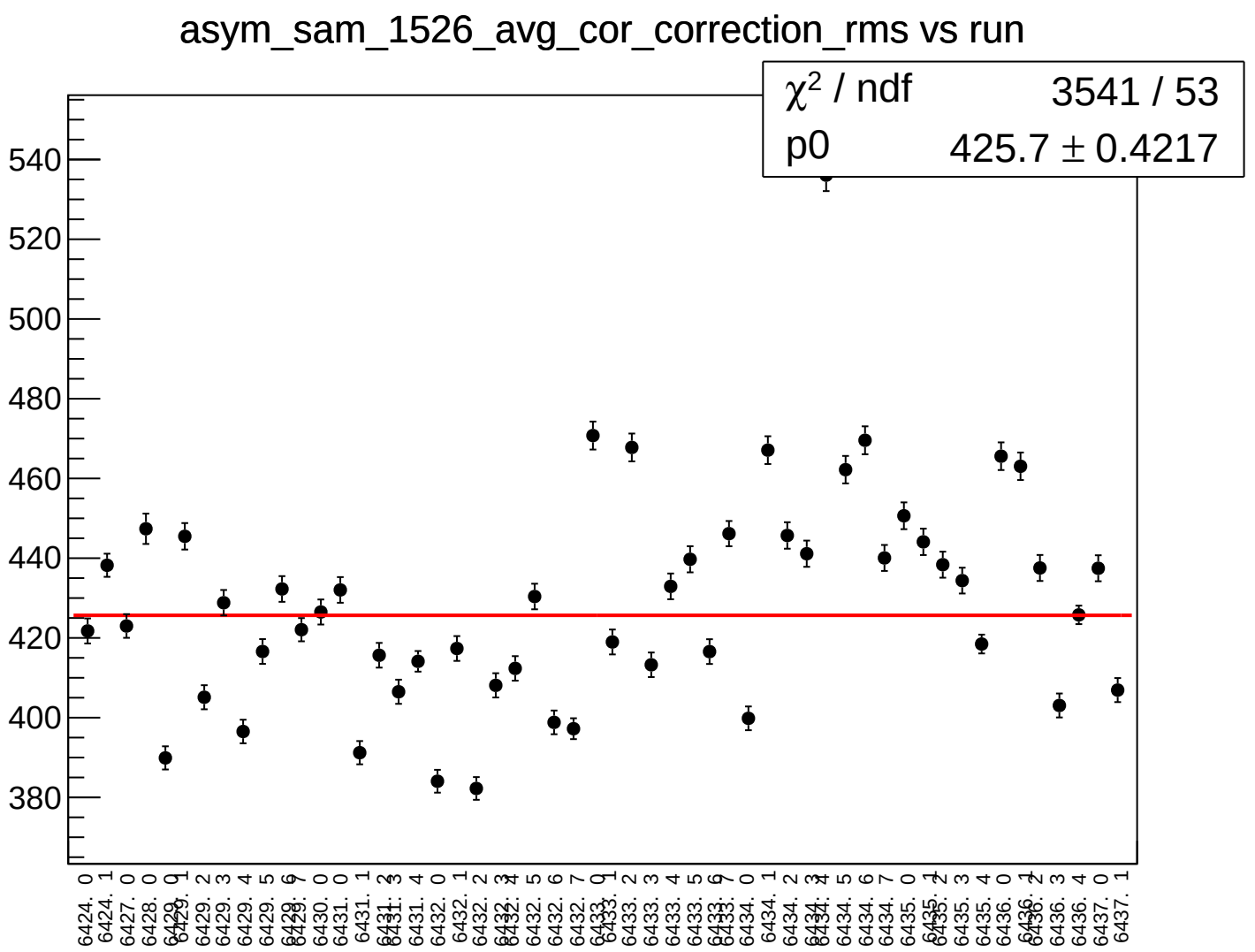

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 42.69 / 53
p0 −64.09 ± 73.65
pull
Entries 54
Mean −24.59
Std Dev 0

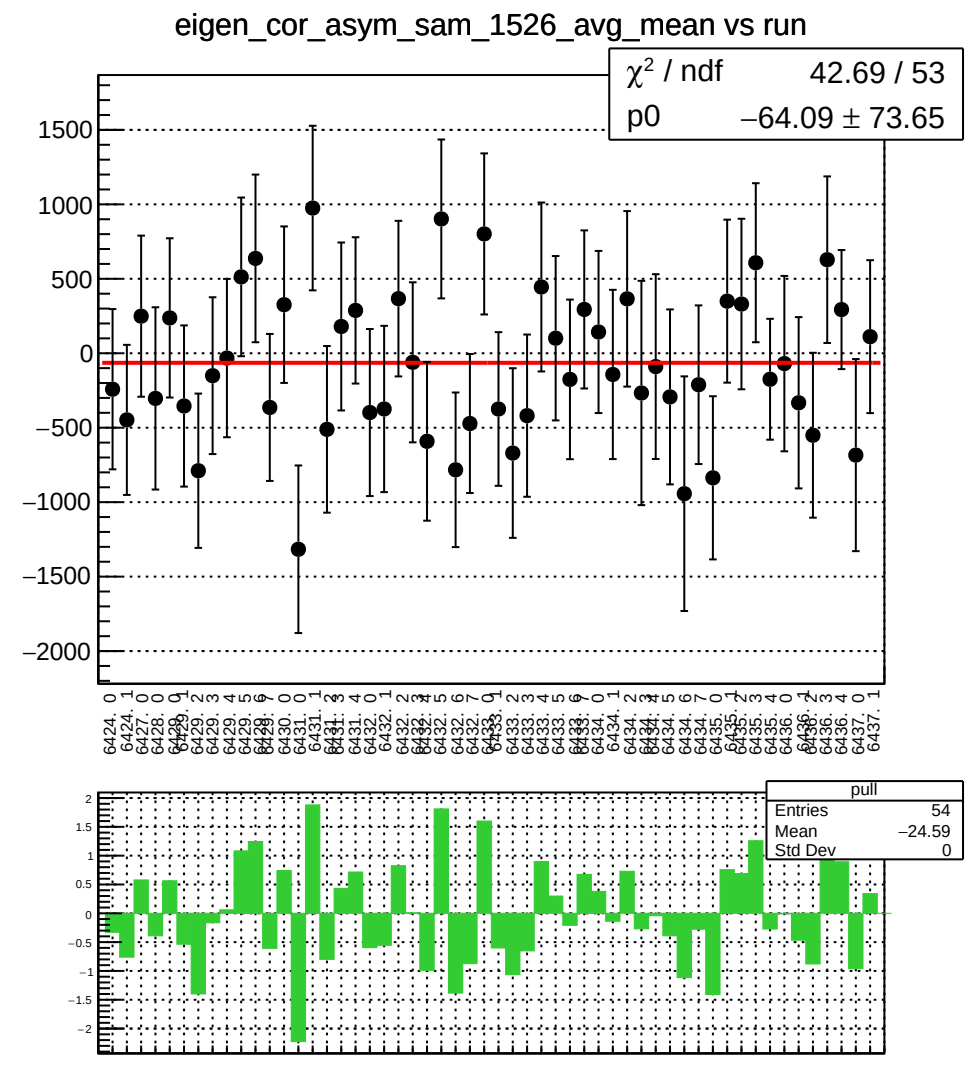

pull1D
Entries 54
Mean −0.0122
Std Dev 0.889

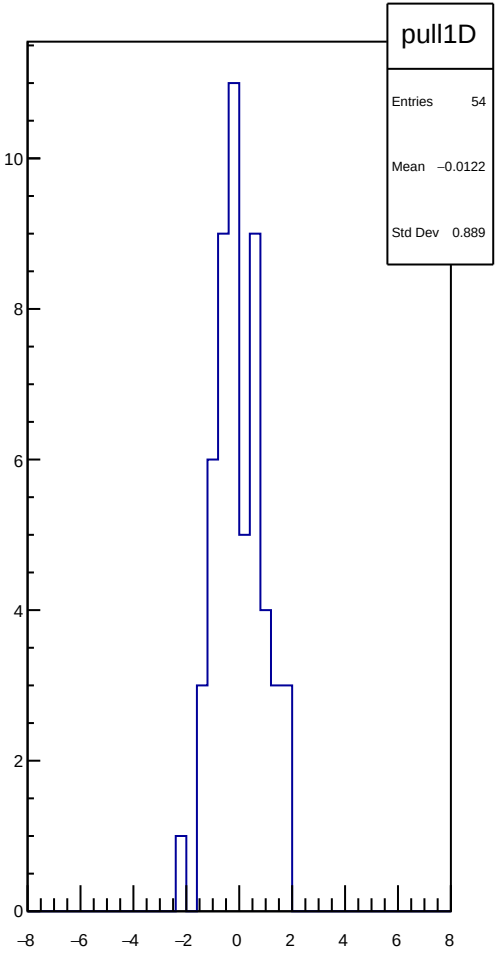

cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 4737 / 53
p0 52.54 ± 0.05208
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

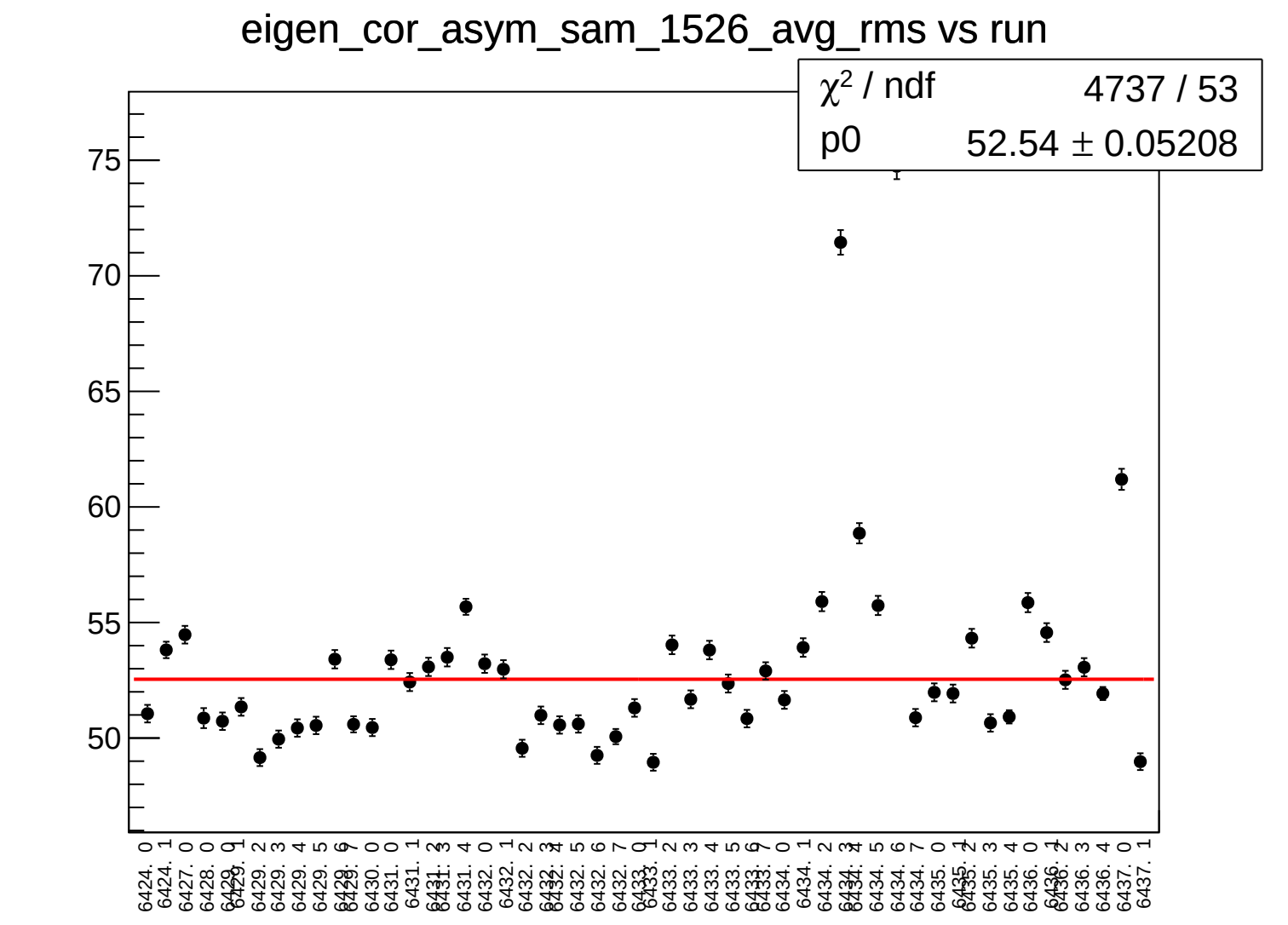

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 85.26 / 53
p0 459.2 ± 596.3
pull
Entries 54
Mean 30.72
Std Dev 0

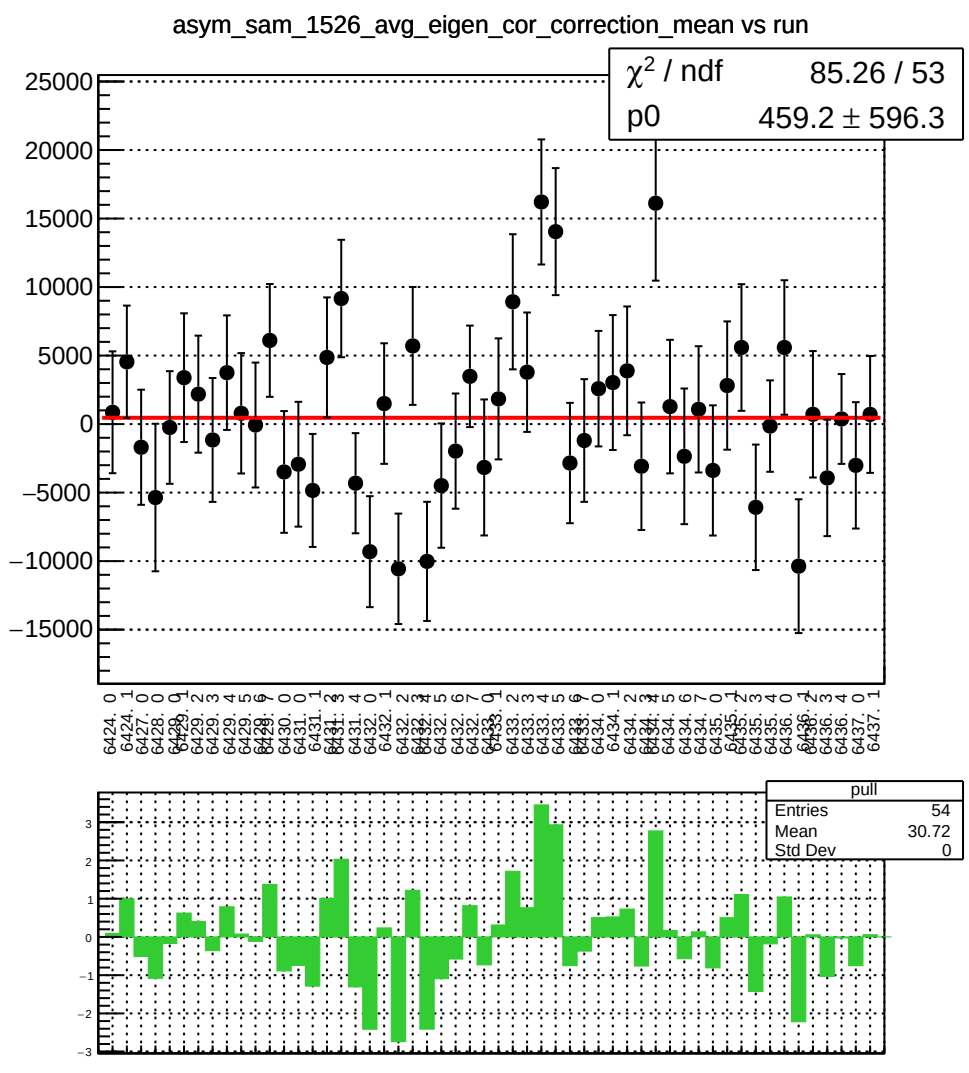

pull1D
Entries 54
Mean 0.02058
Std Dev 1.256

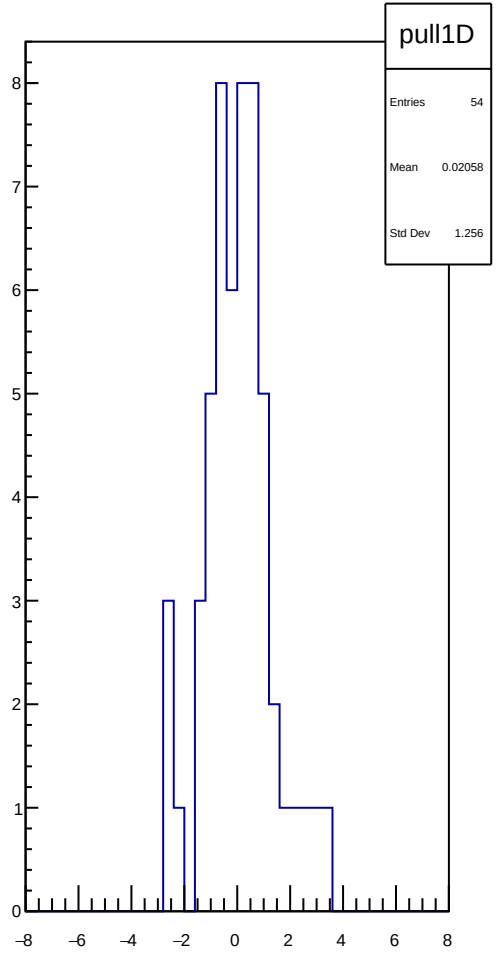

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 3541 / 53
p0 425.7 ± 0.4217
540
520
500
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

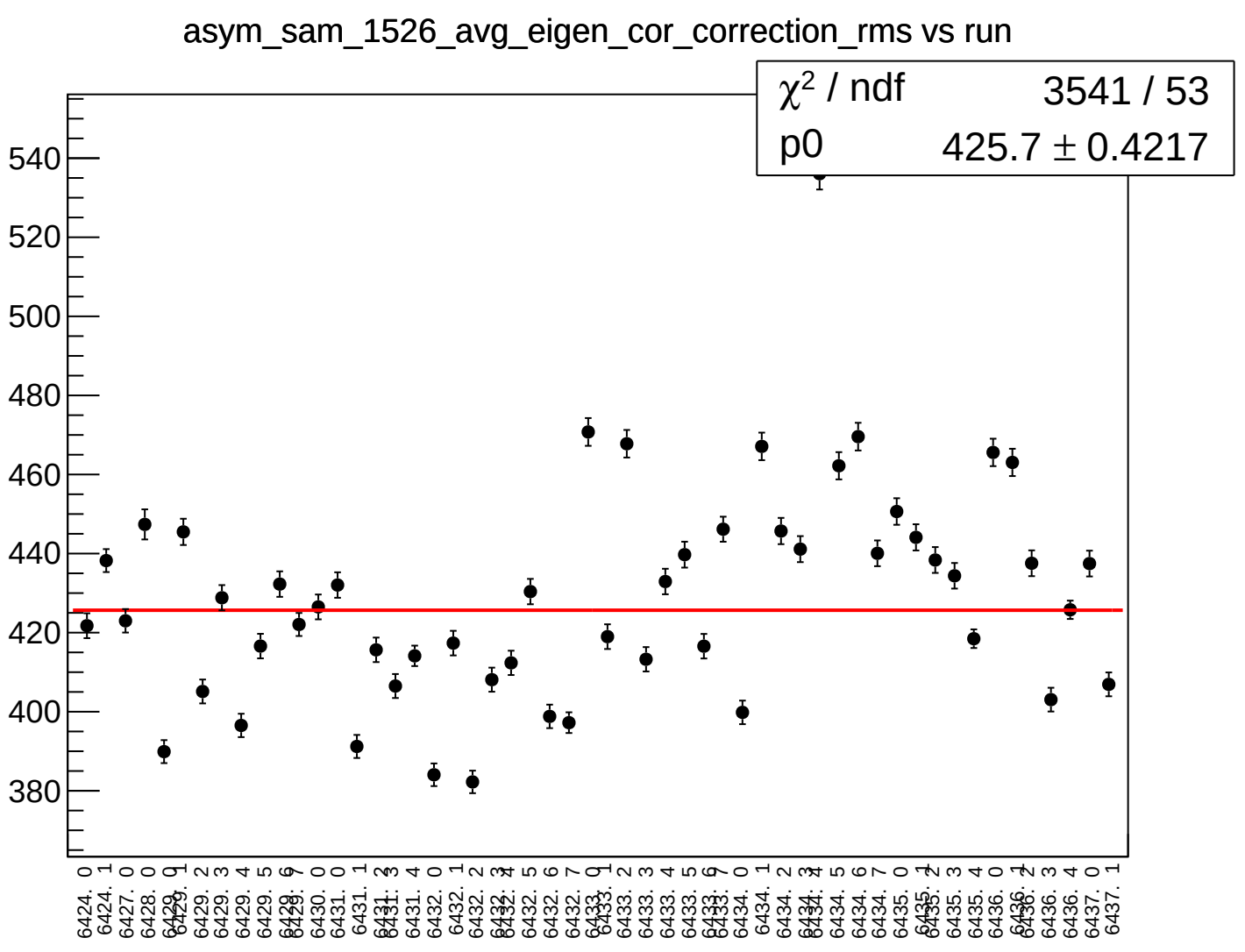

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 42.69 / 53
p0 −64.09 ± 73.65
pull
Entries 54
Mean −24.59
Std Dev 0


pull1D
Entries 54
Mean −0.0122
Std Dev 0.889


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 4737 / 53
p0 52.54 ± 0.05208
75
70
65
60
55
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.26 / 53
p0 459.2 ± 596.3
pull
Entries 54
Mean 30.72
Std Dev 0


pull1D
Entries 54
Mean 0.02058
Std Dev 1.256


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 3541 / 53
p0 425.7 ± 0.4217
540
520
500
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
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6435. 1
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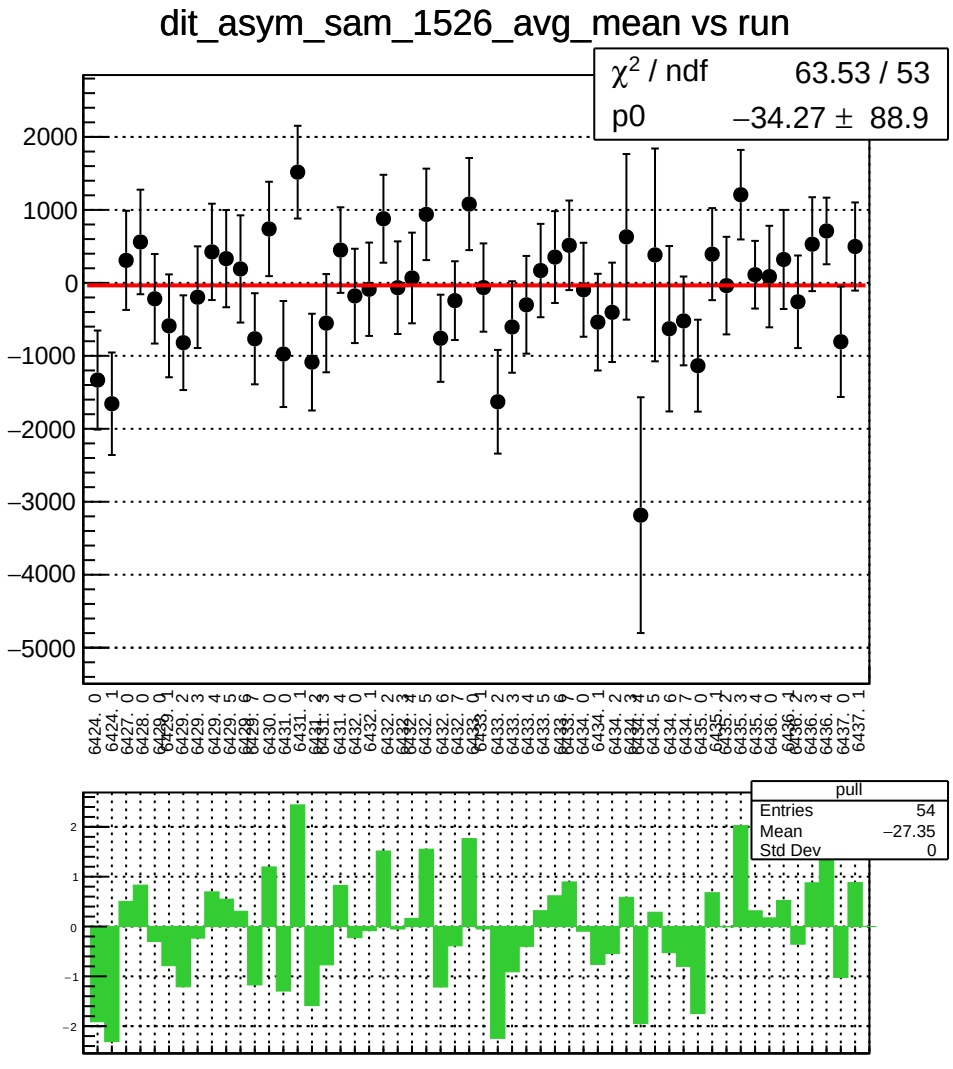
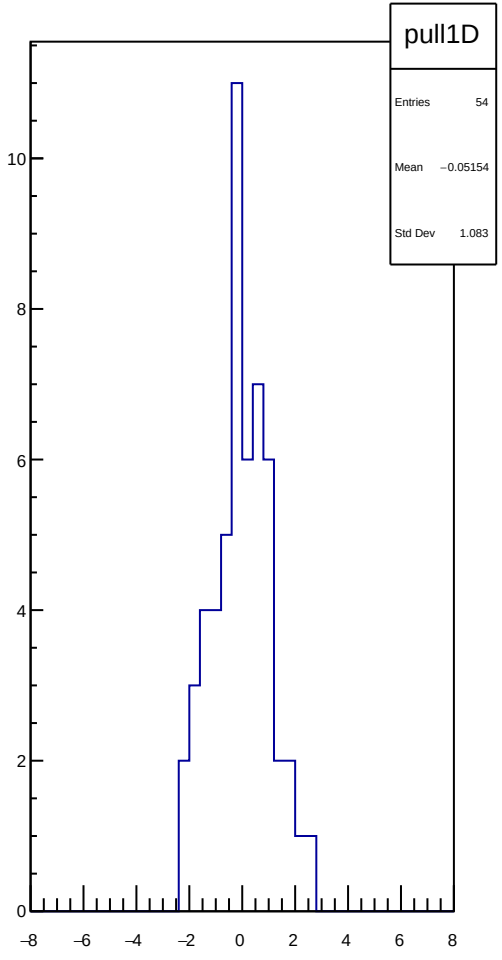
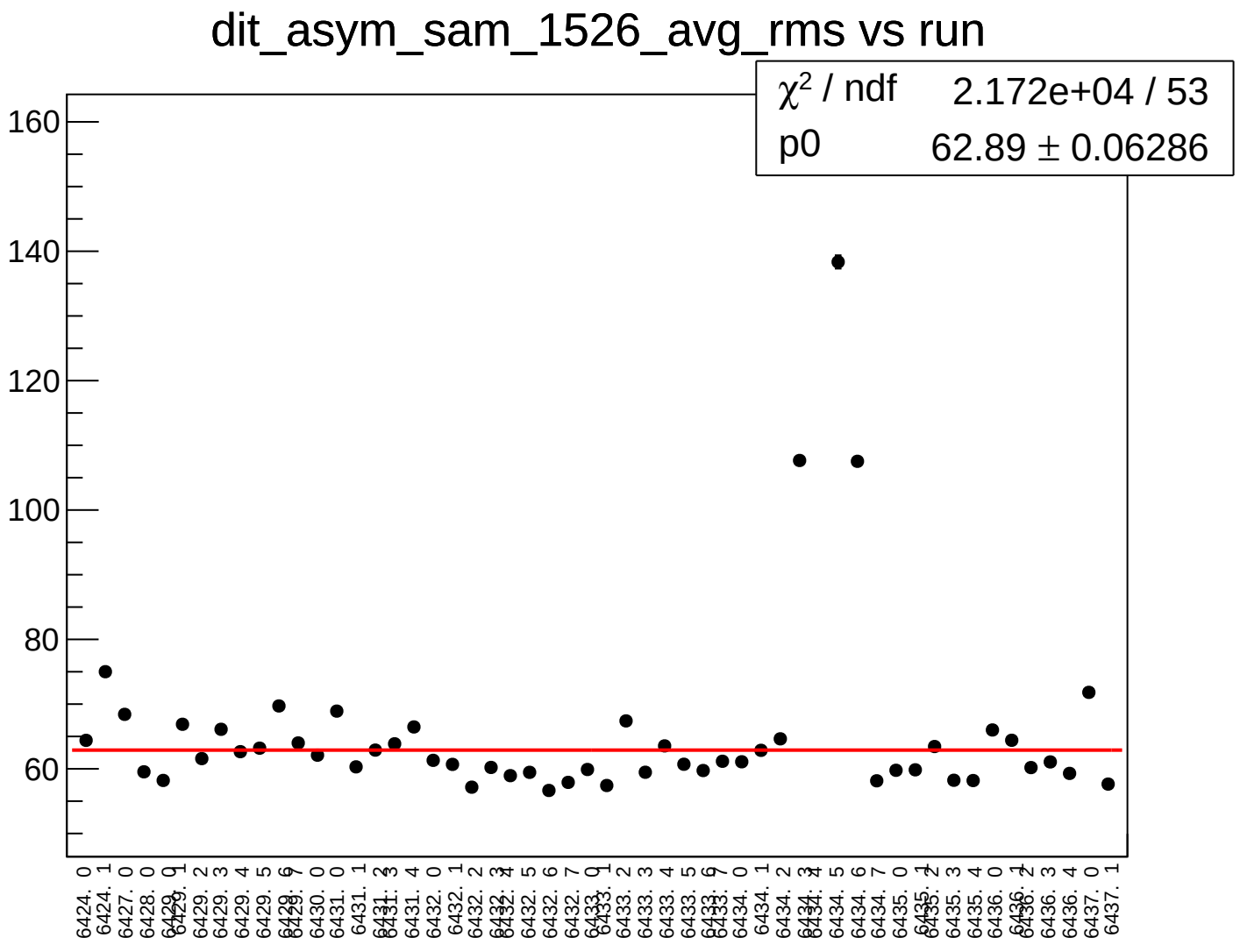
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 63.53 / 53
p0 −34.27 ± 88.9
pull
Entries 54
Mean −27.35
Std Dev 0


pull1D
Entries 54
Mean −0.05154
Std Dev 1.083


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.172e+04 / 53
p0 62.89 ± 0.06286
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6434. 0
6434. 1
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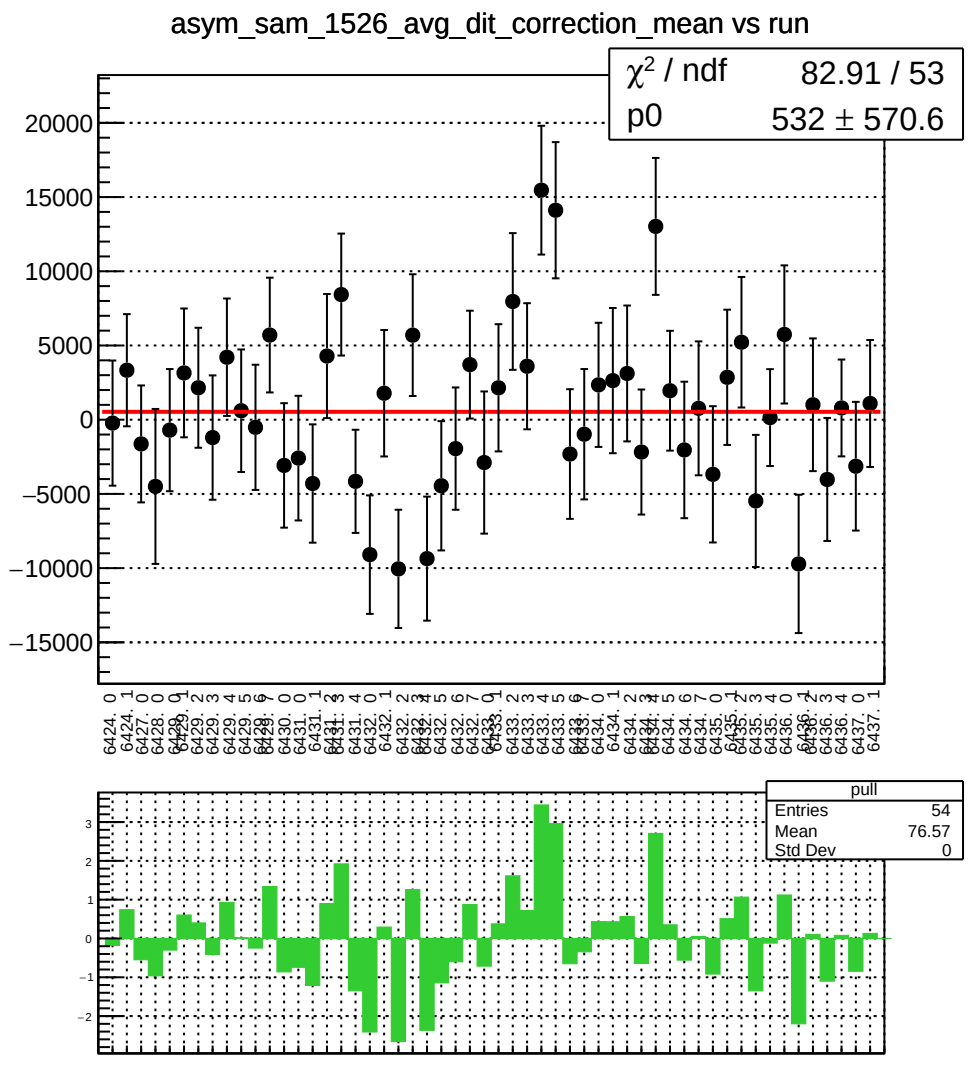
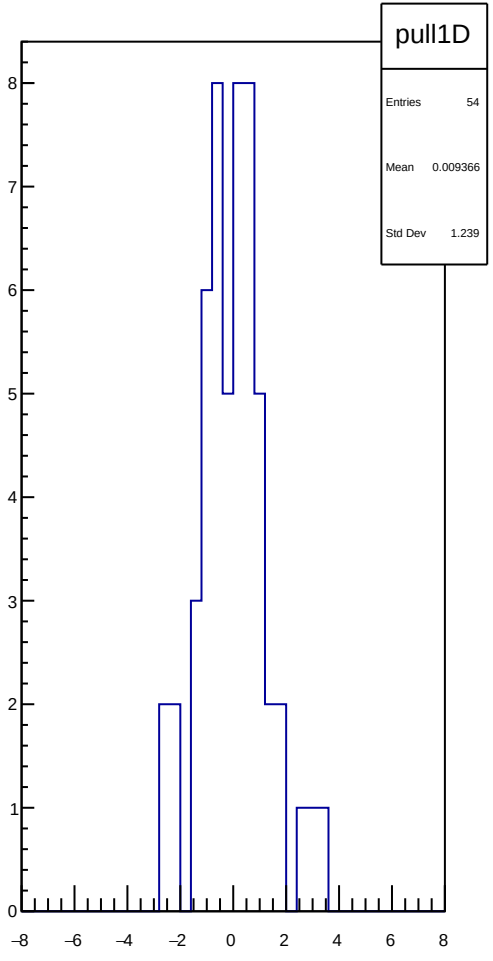
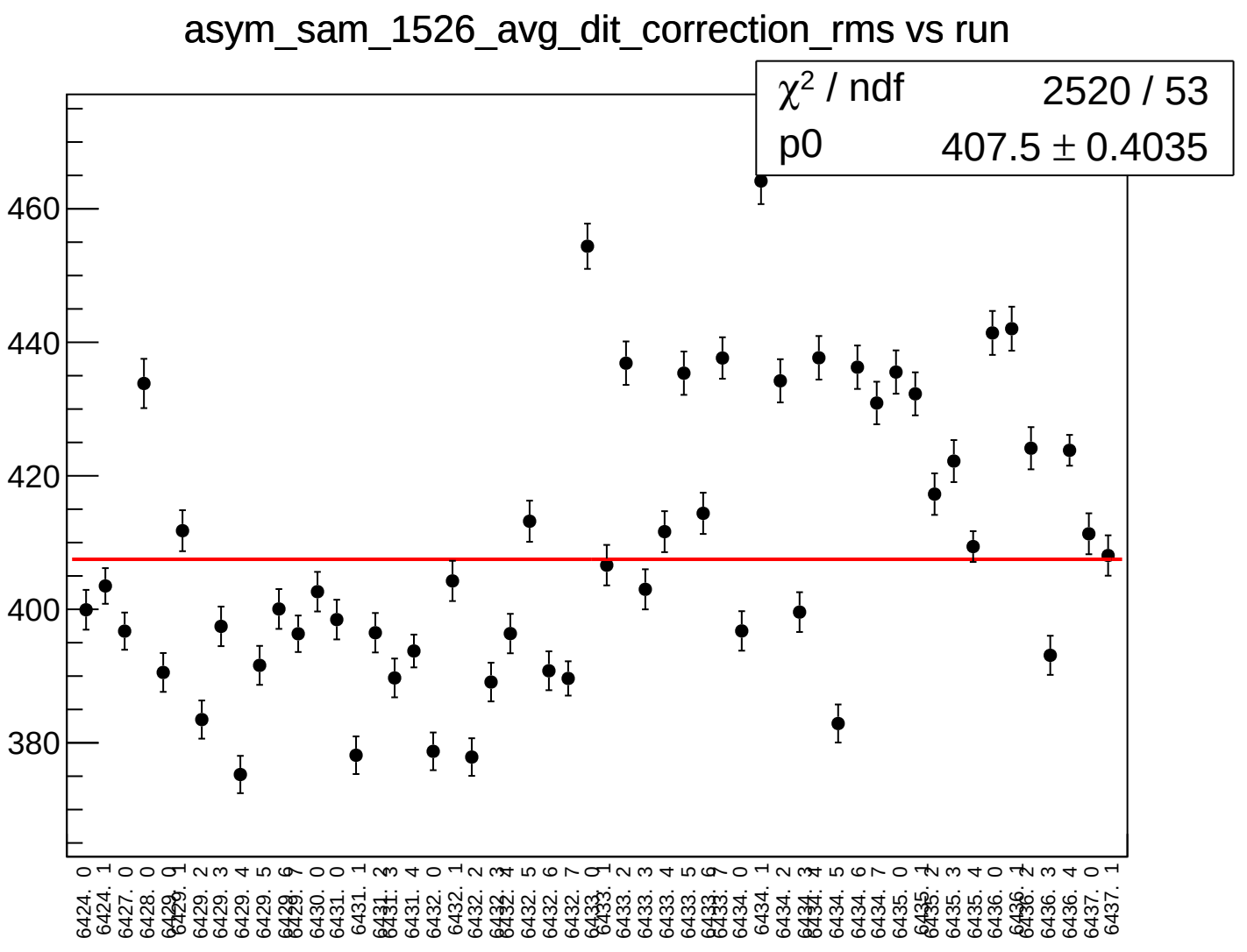
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 82.91 / 53
p0 532 ± 570.6
pull
Entries 54
Mean 76.57
Std Dev 0


pull1D
Entries 54
Mean 0.009366
Std Dev 1.239


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 2520 / 53
p0 407.5 ± 0.4035
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
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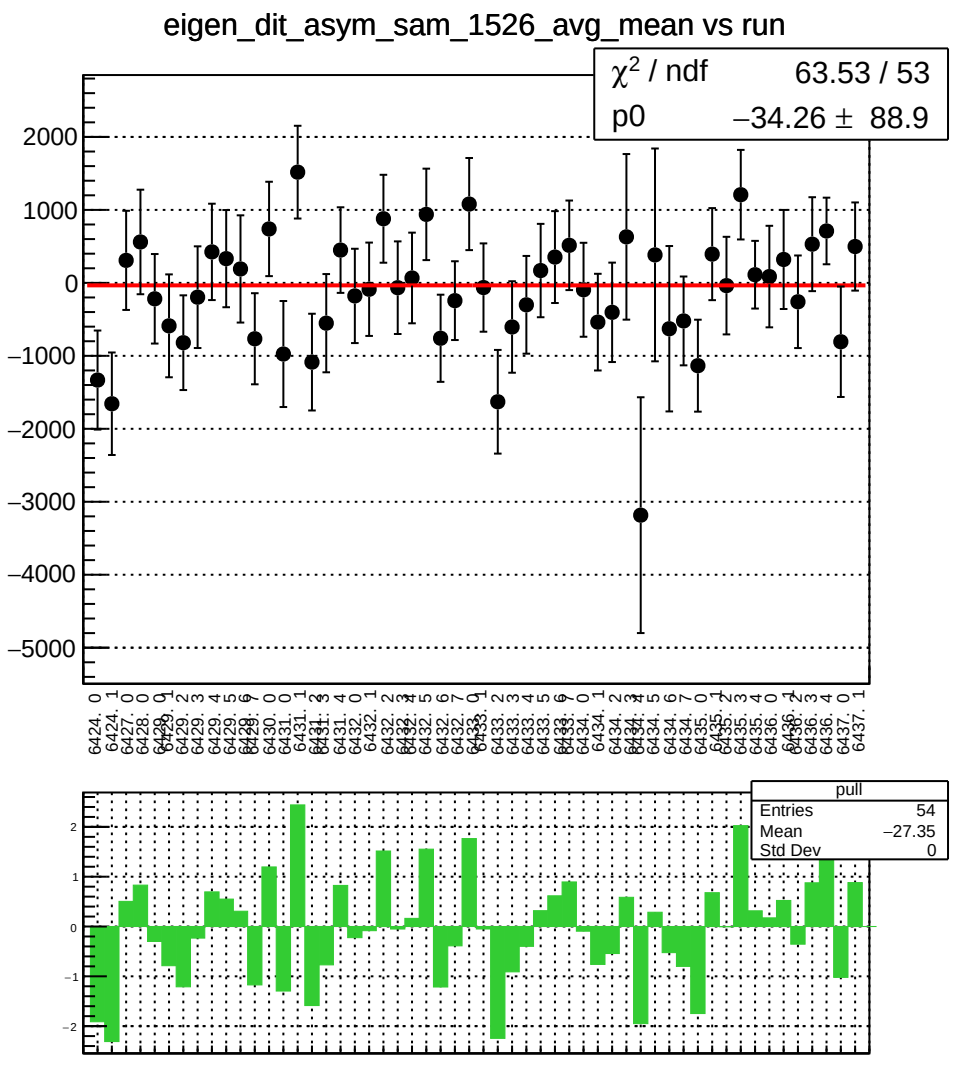
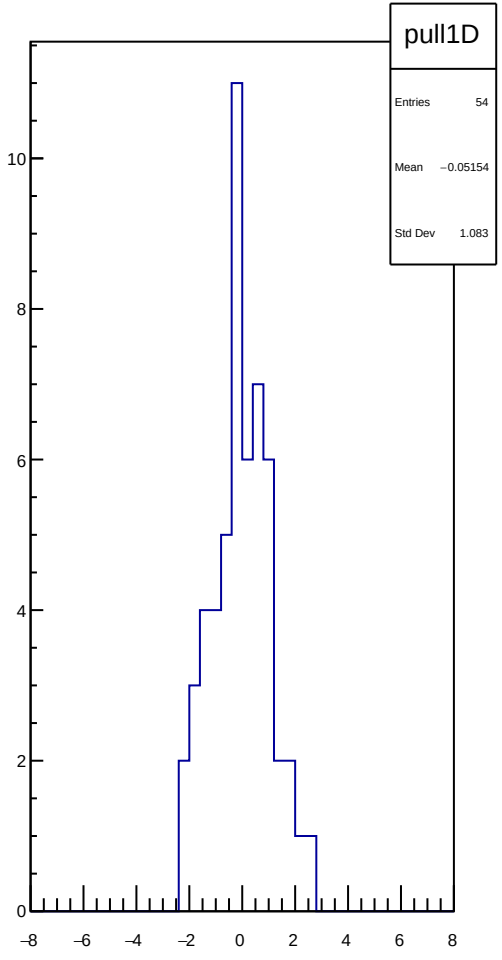
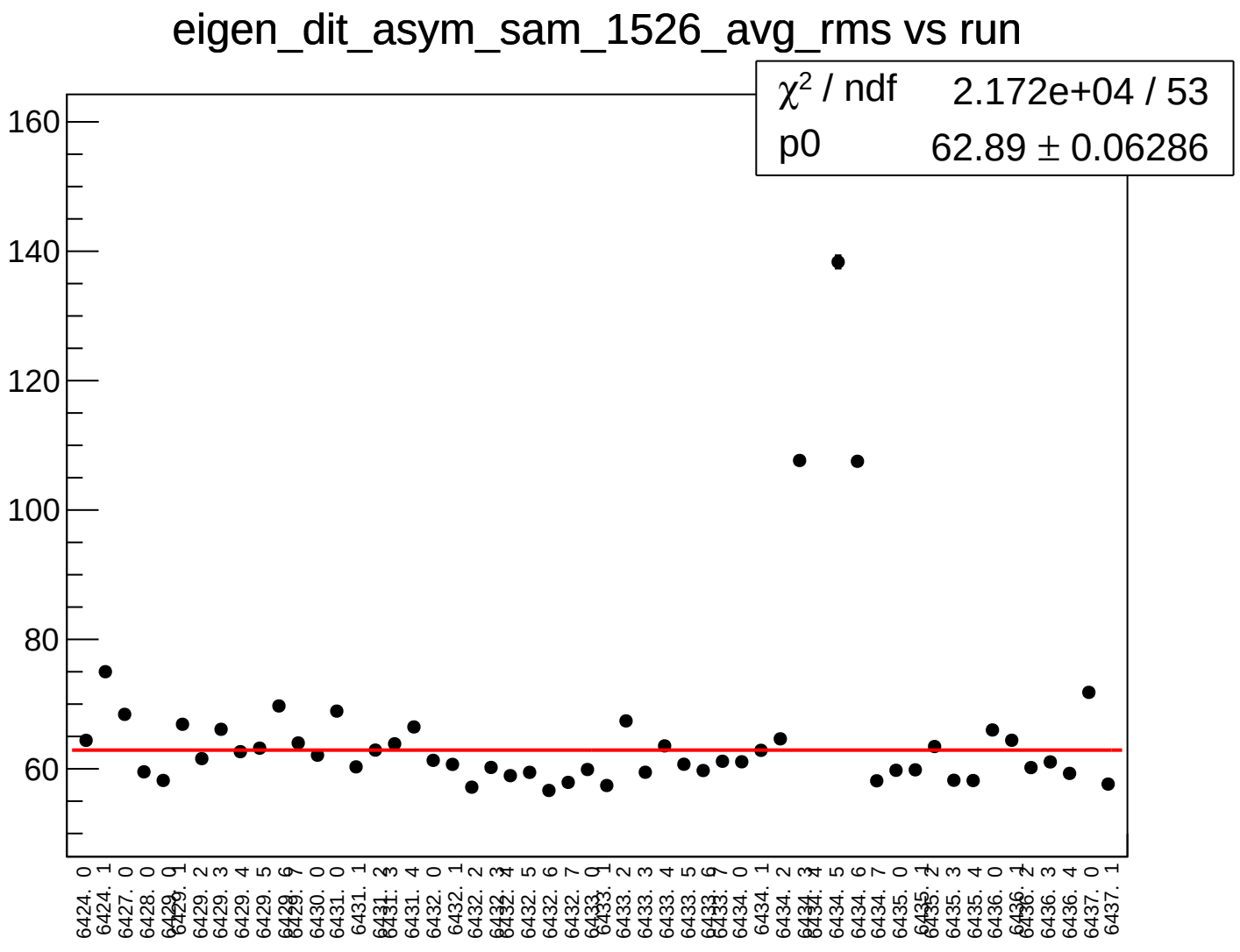
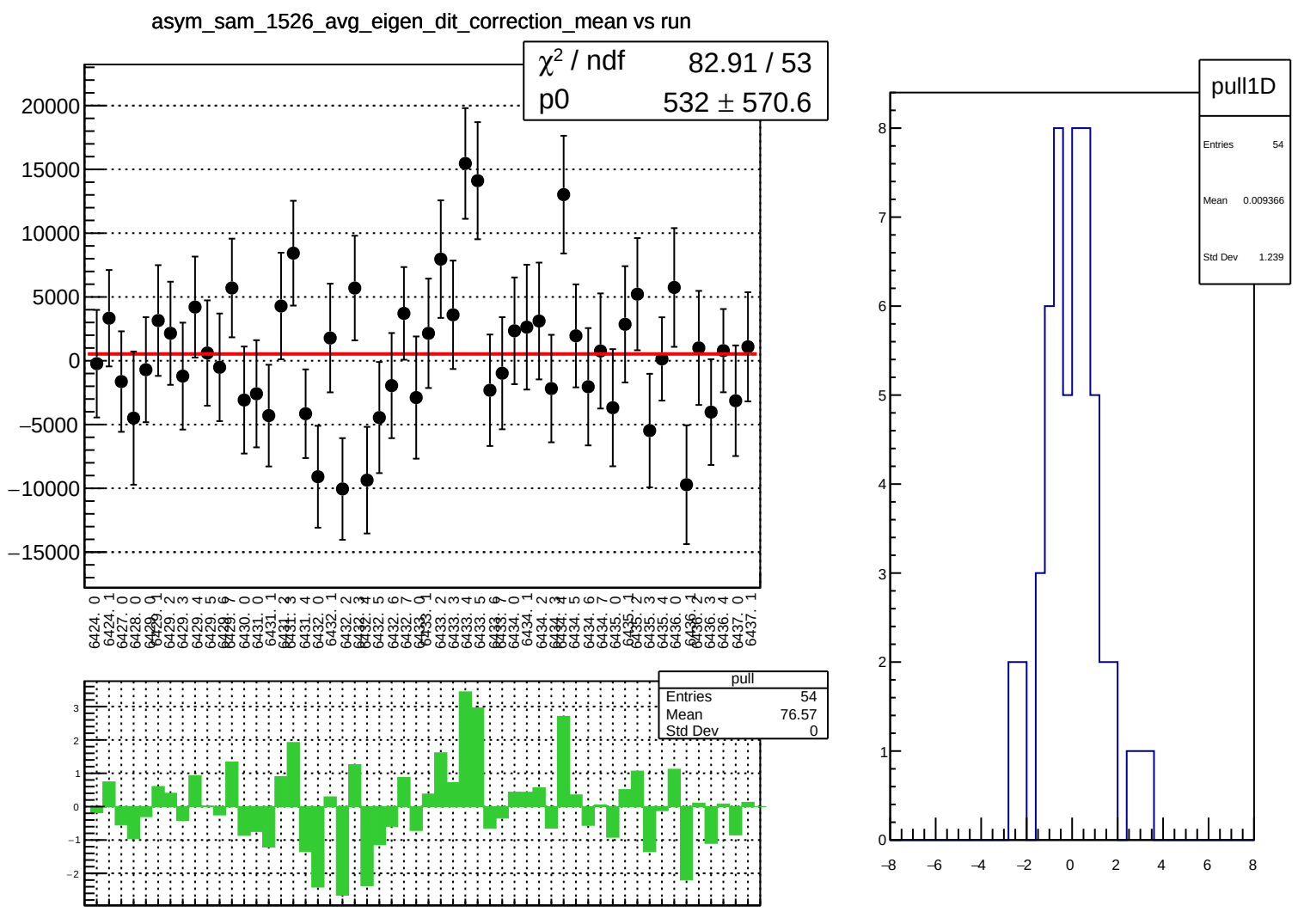
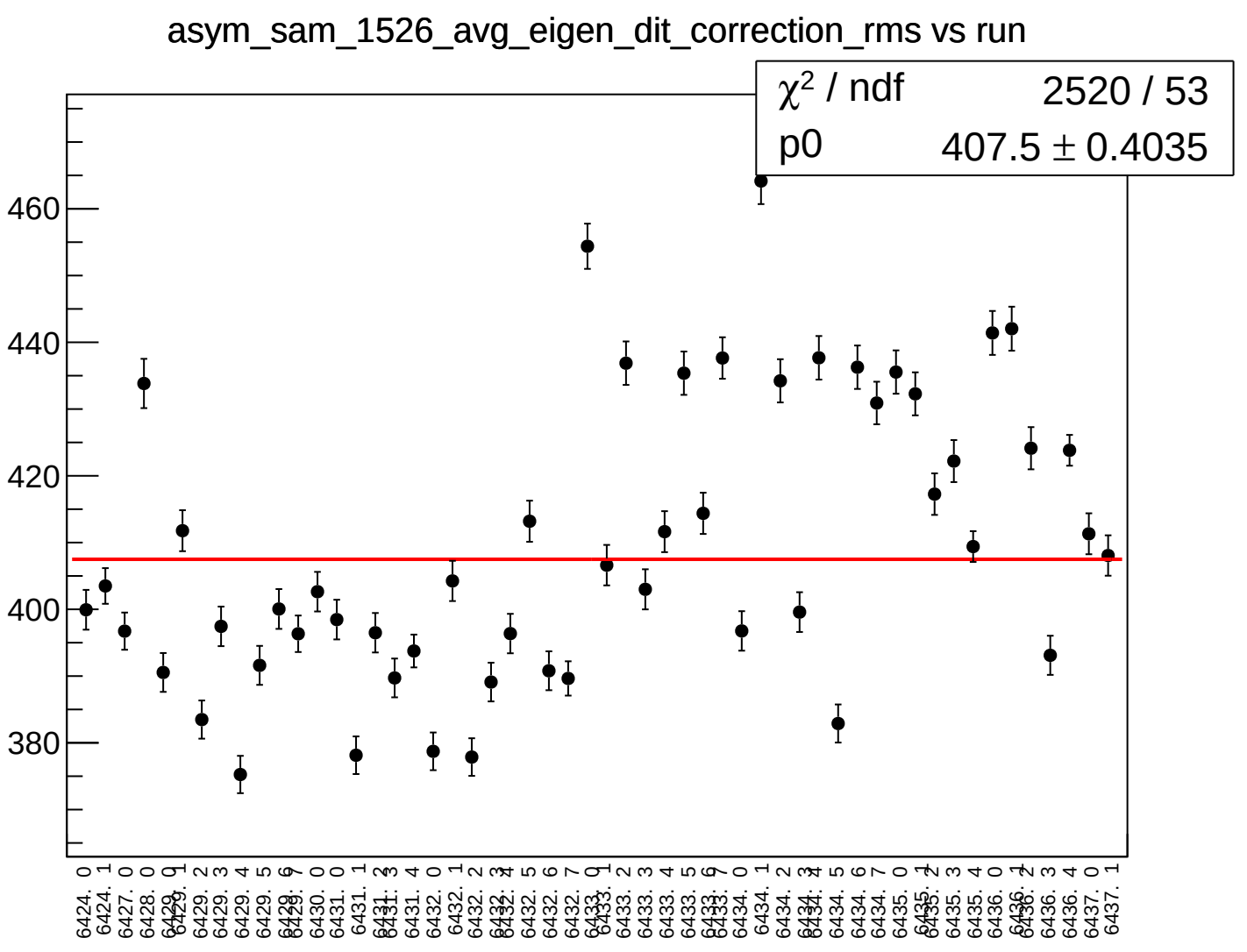
6436. 3
6436. 4
6437. 0
6437. 1

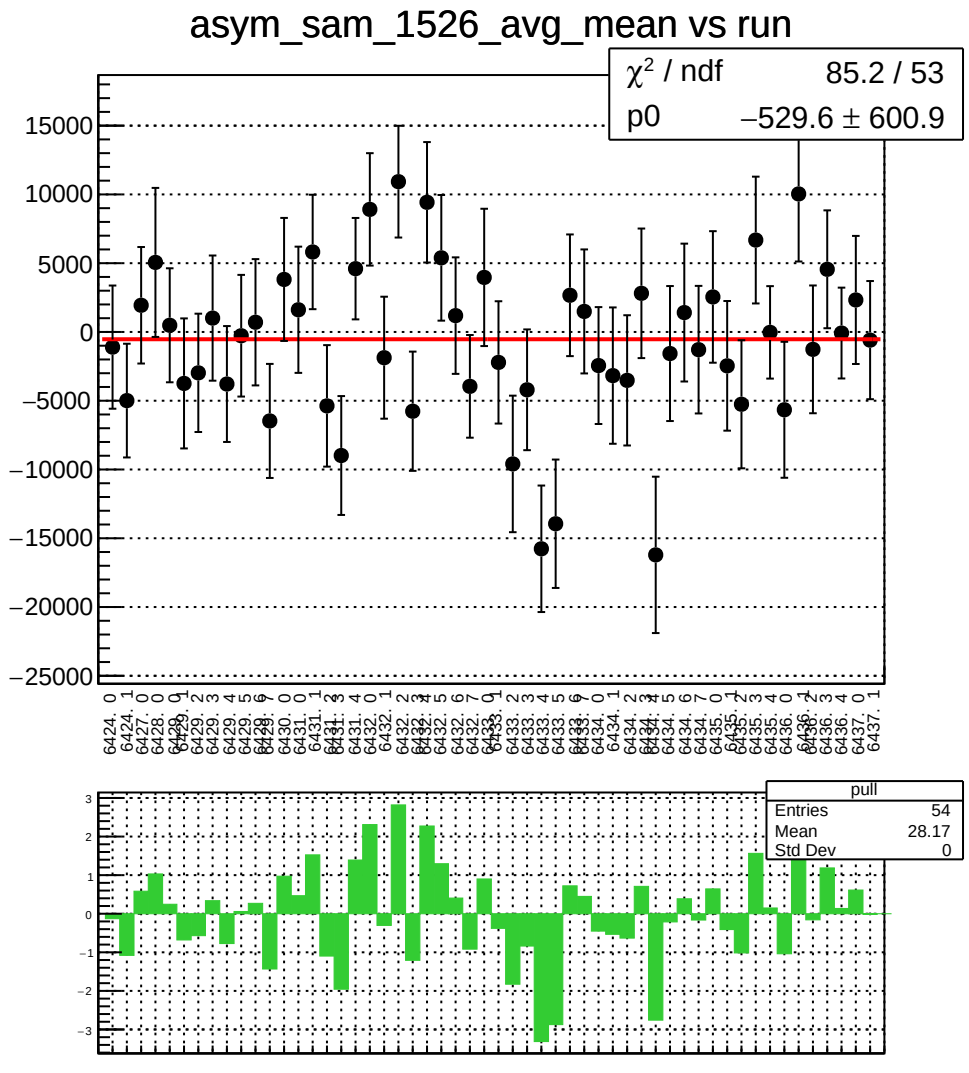

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 63.53 / 53
p0 −34.26 ± 88.9
pull
Entries 54
Mean −27.35
Std Dev 0

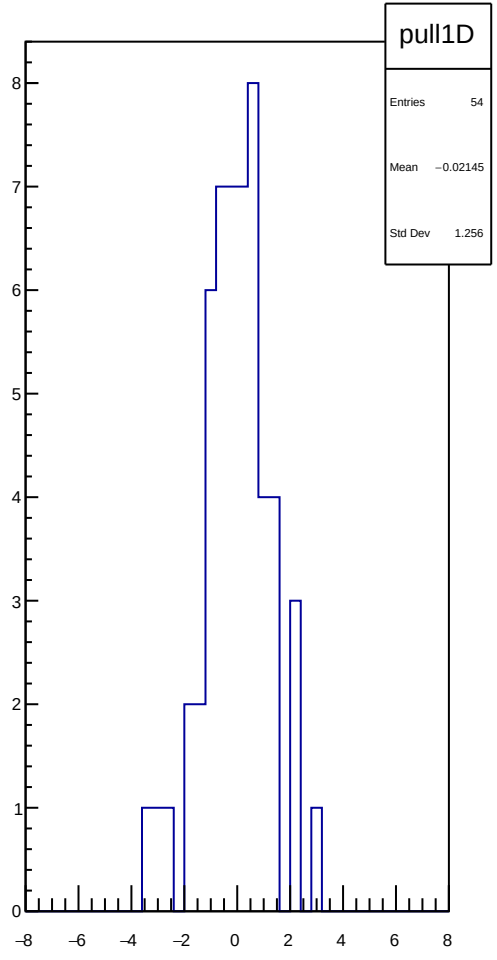

pull1D
Entries 54
Mean −0.05154
Std Dev 1.083

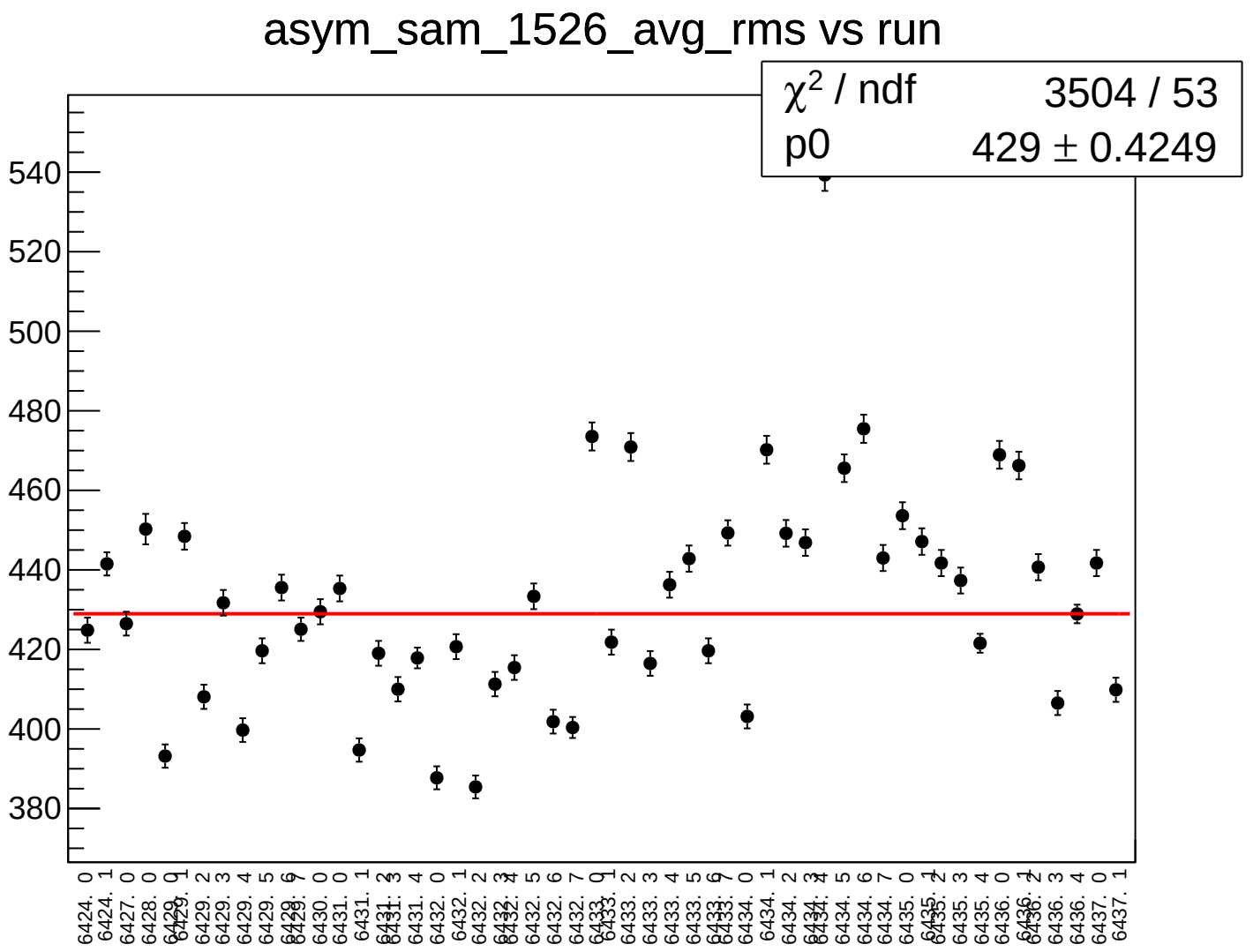

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.172e+04 / 53
p0 62.89 ± 0.06286
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

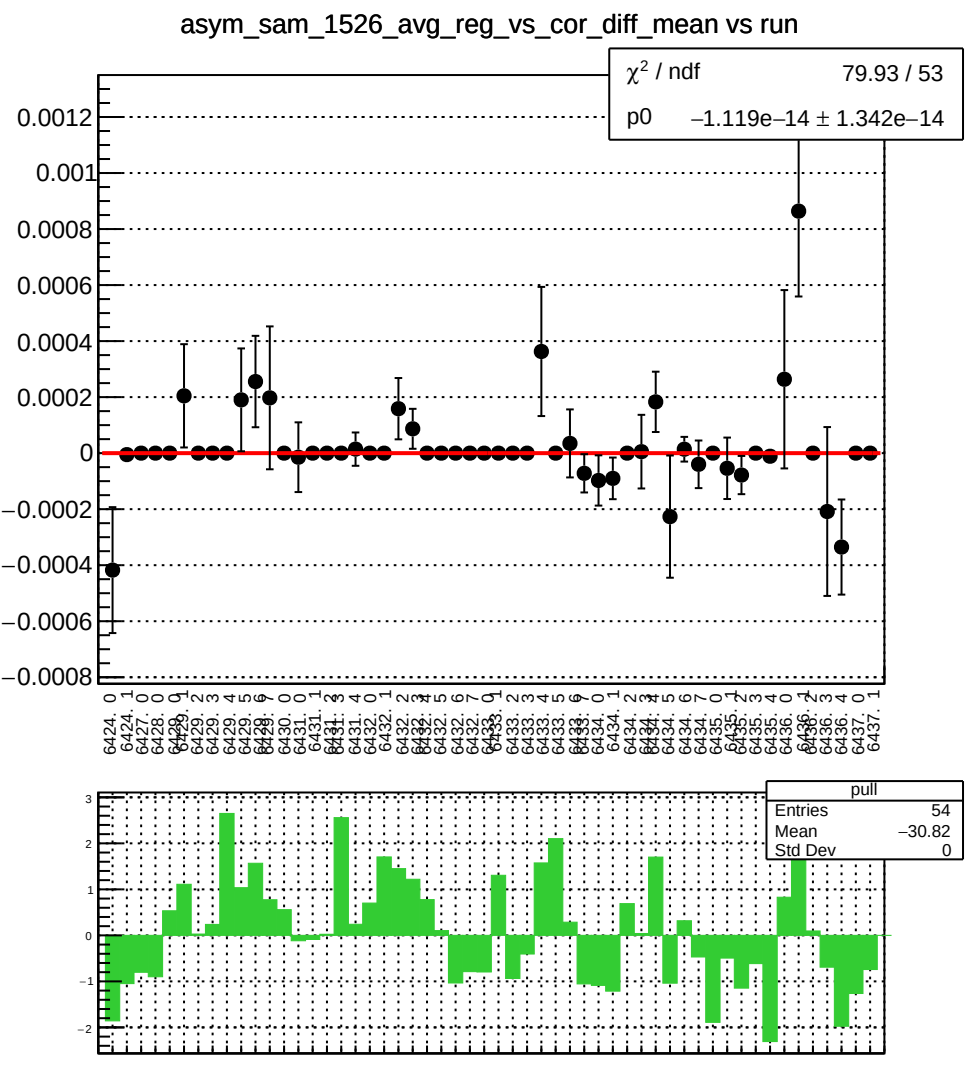

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.91 / 53
p0 532 ± 570.6
pull
Entries 54
Mean 76.57
Std Dev 0
pull1D
Entries 54
Mean 0.009366
Std Dev 1.239

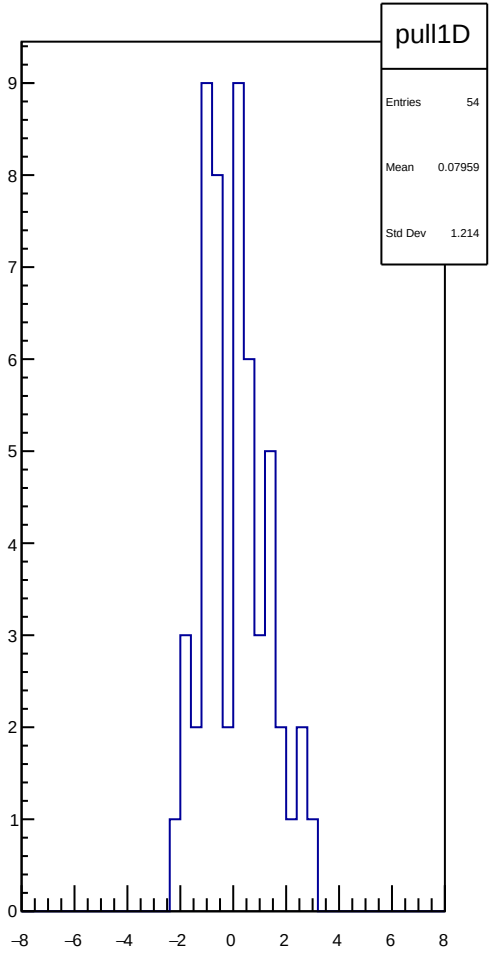

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 2520 / 53
p0 407.5 ± 0.4035
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

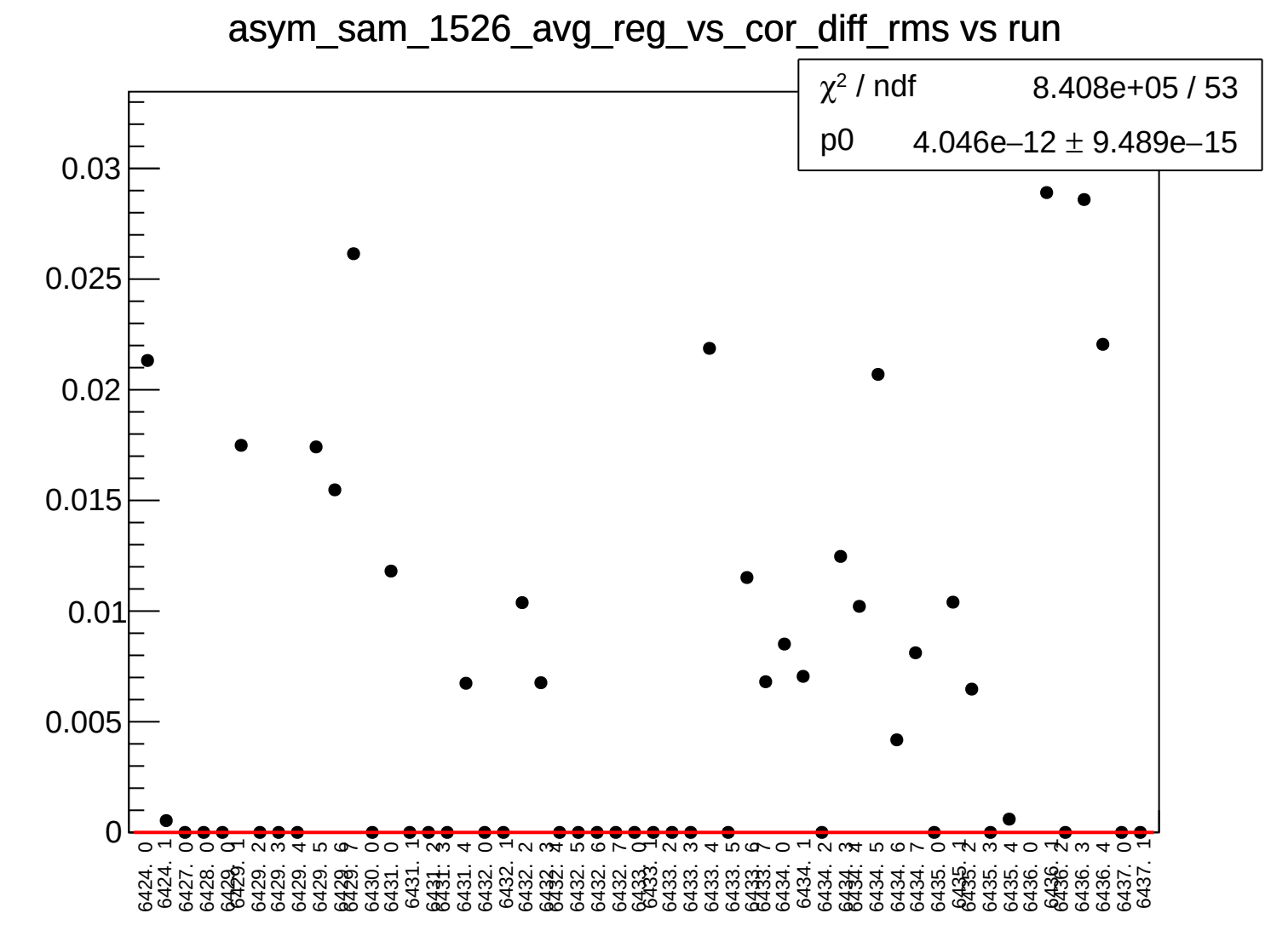

asym_sam_1526_avg_mean vs run
χ² / ndf 85.2 / 53
p0 −529.6 ± 600.9
pull
Entries 54
Mean 28.17
Std Dev 0

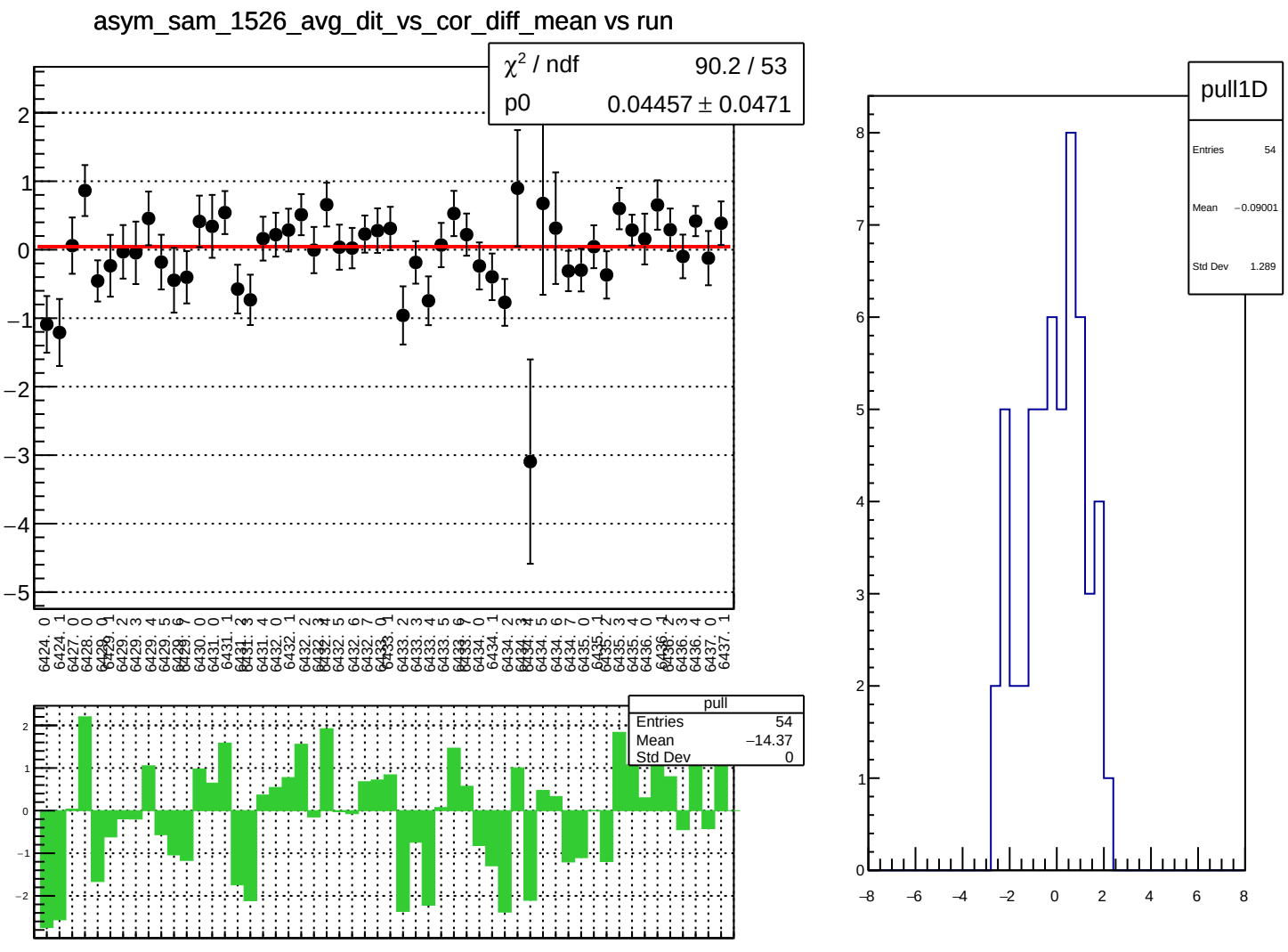

pull1D
Entries 54
Mean −0.02145
Std Dev 1.256

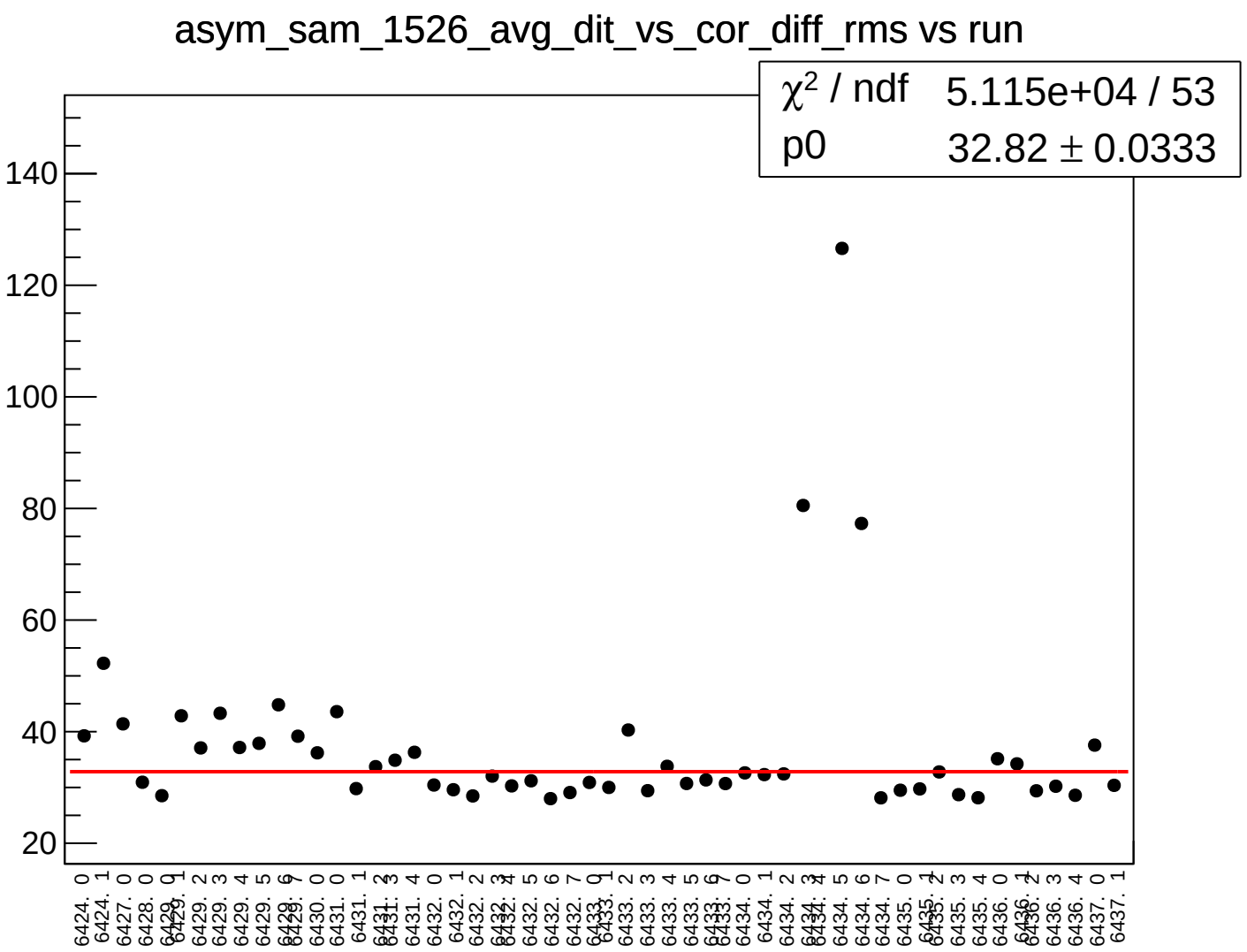

asym_sam_1526_avg_rms vs run
χ^2 / ndf 3504 / 53
p0 429 ± 0.4249
540
520
500
480
460
440
420
400
380
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

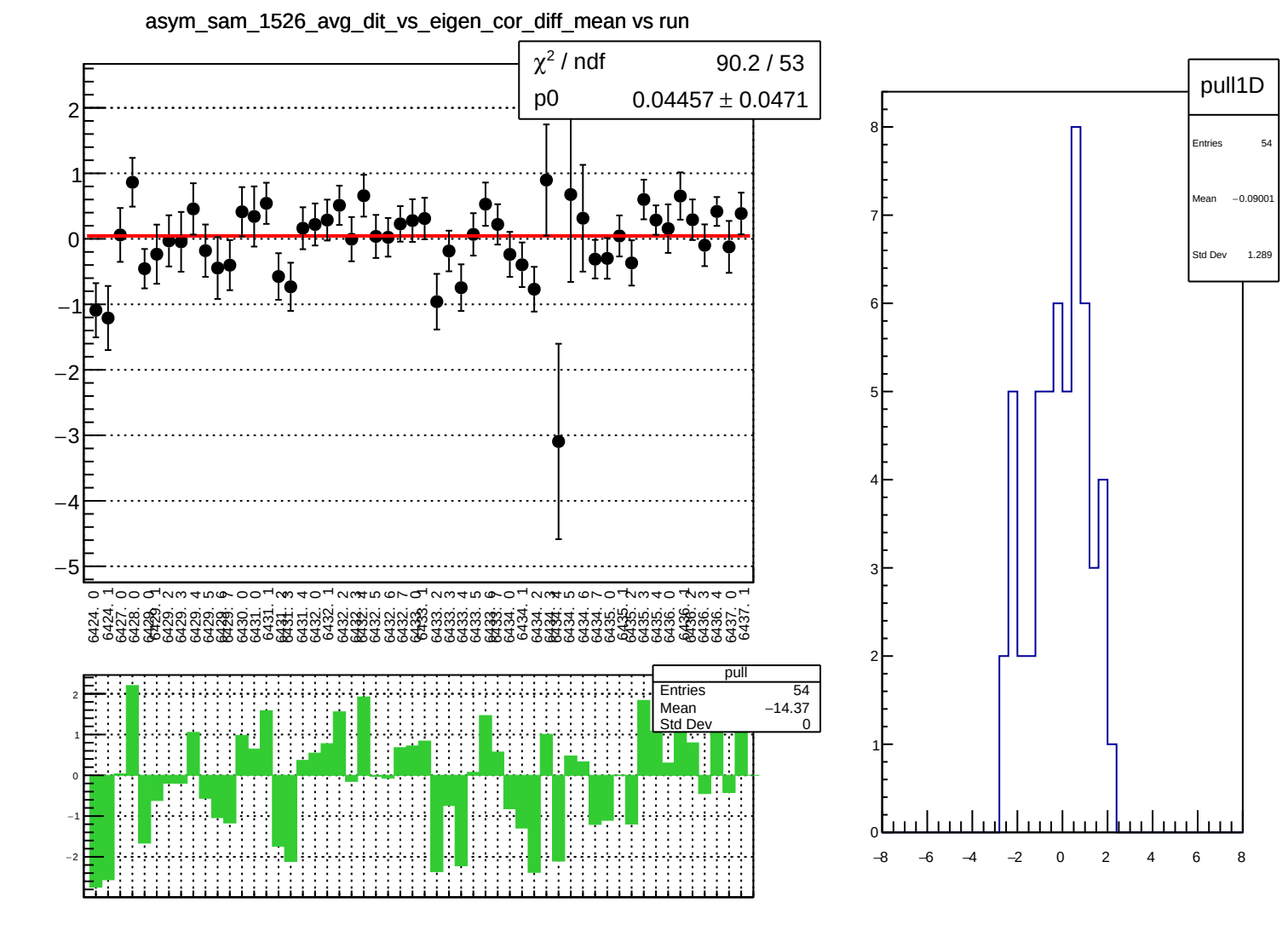

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.93 / 53
p0 −1.119e−14 ± 1.342e−14
pull
Entries 54
Mean −30.82
Std Dev 0

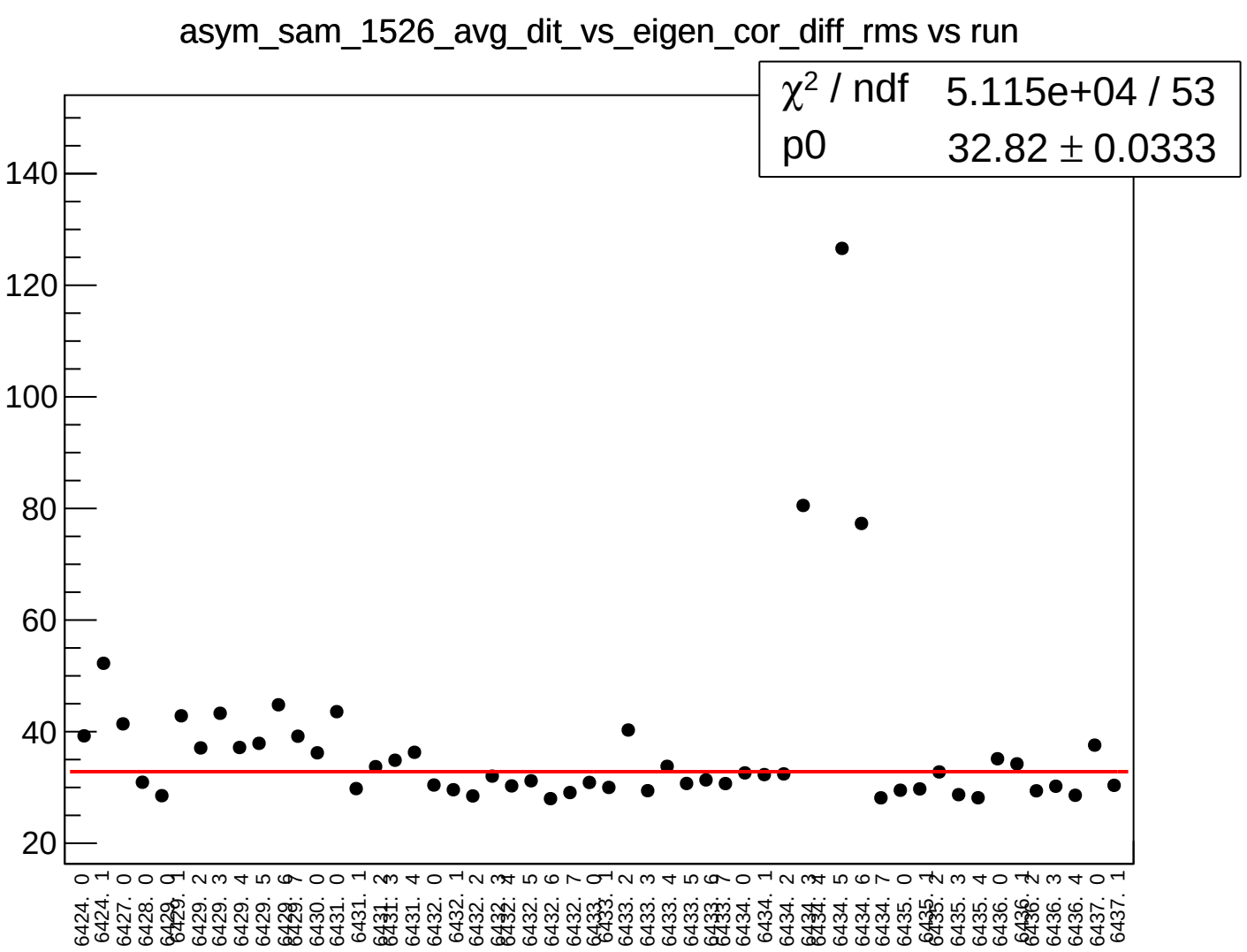

pull1D
Entries 54
Mean 0.07959
Std Dev 1.214

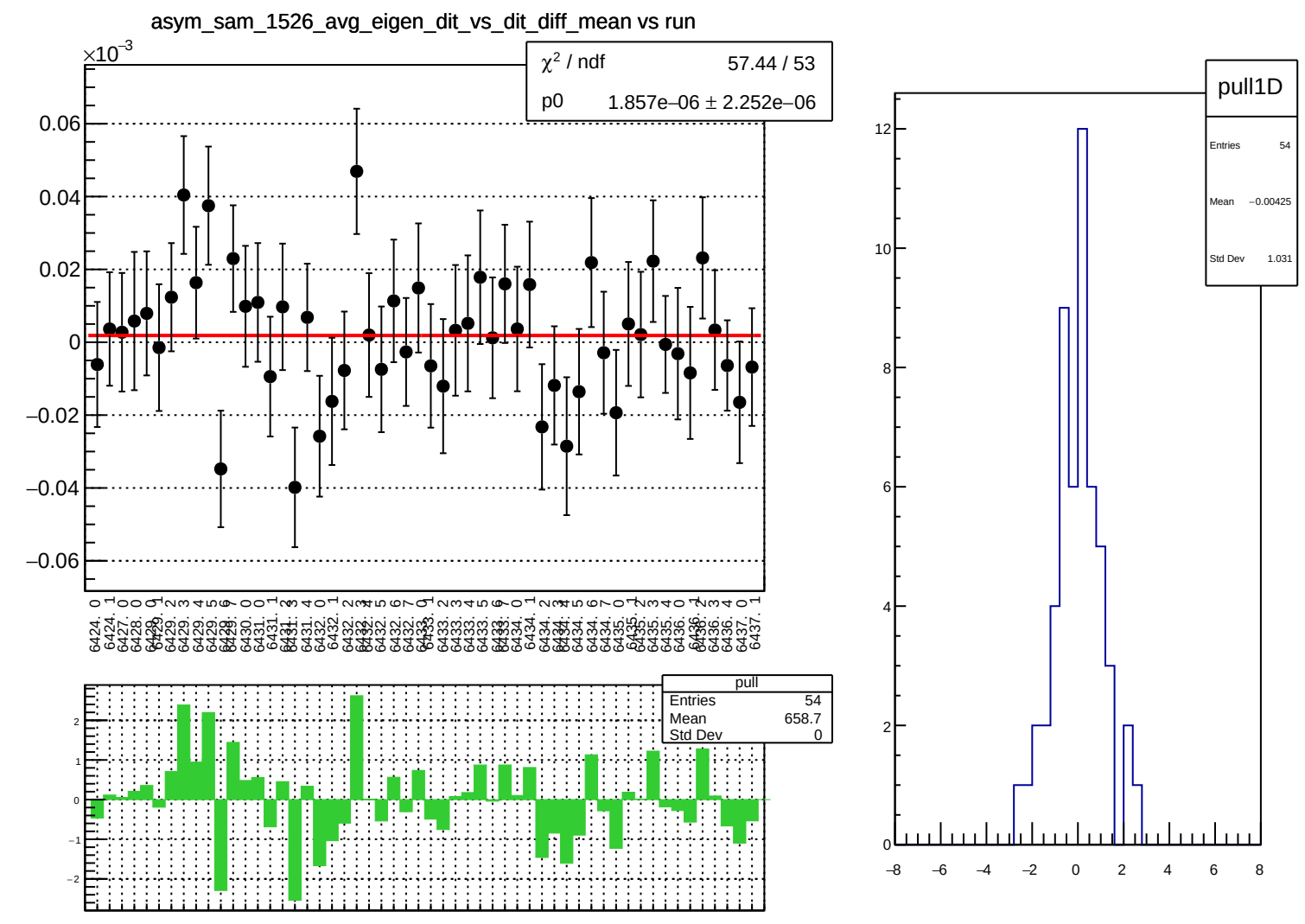

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.408e+05 / 53
p0 4.046e−12 ± 9.489e−15
0.03
0.025
0.02
0.015
0.01
0.005
0

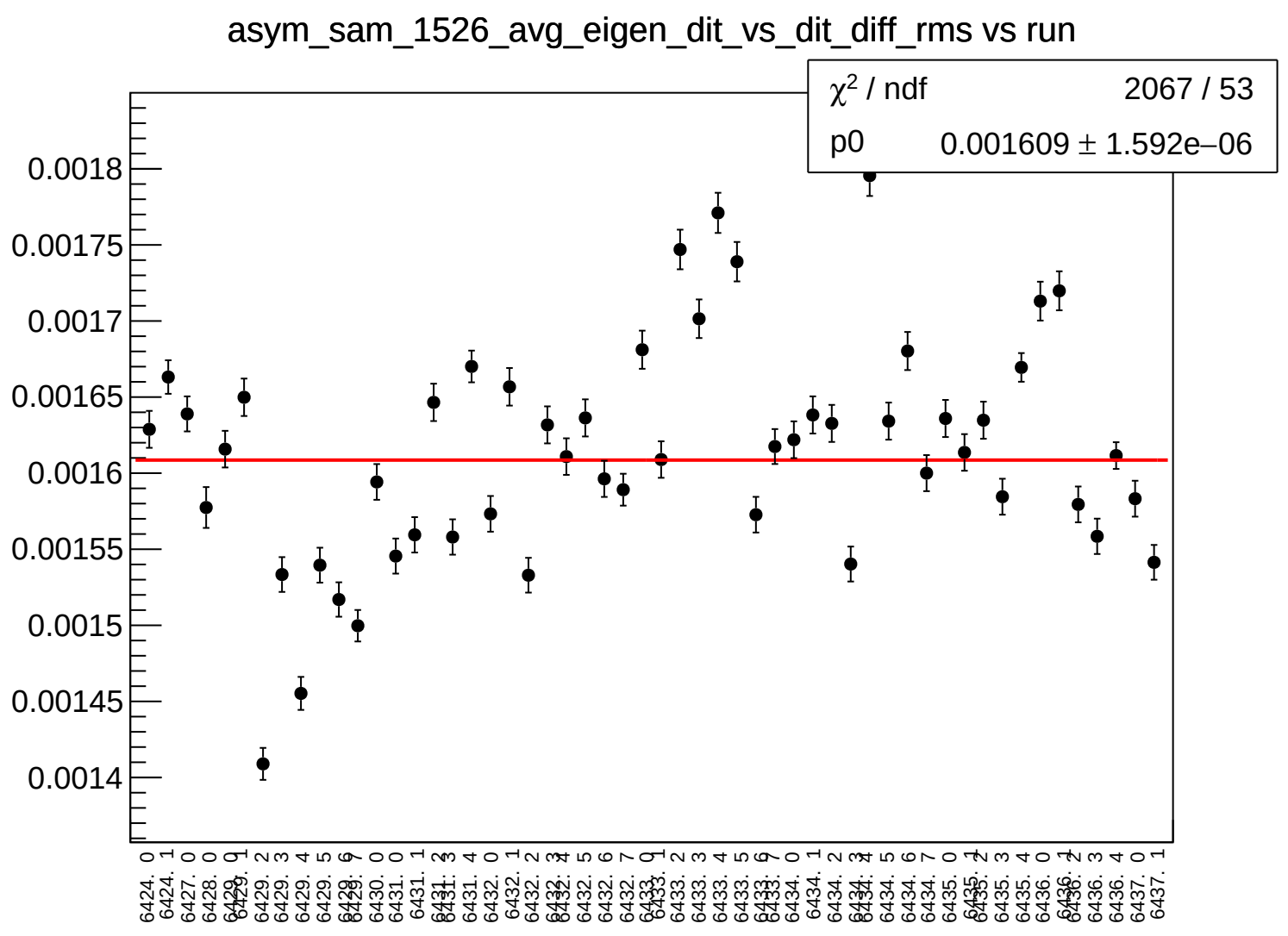

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 90.2 / 53
p0 0.04457 ± 0.0471
pull
Entries 54
Mean −14.37
Std Dev 0
pull1D
Entries 54
Mean −0.09001
Std Dev 1.289

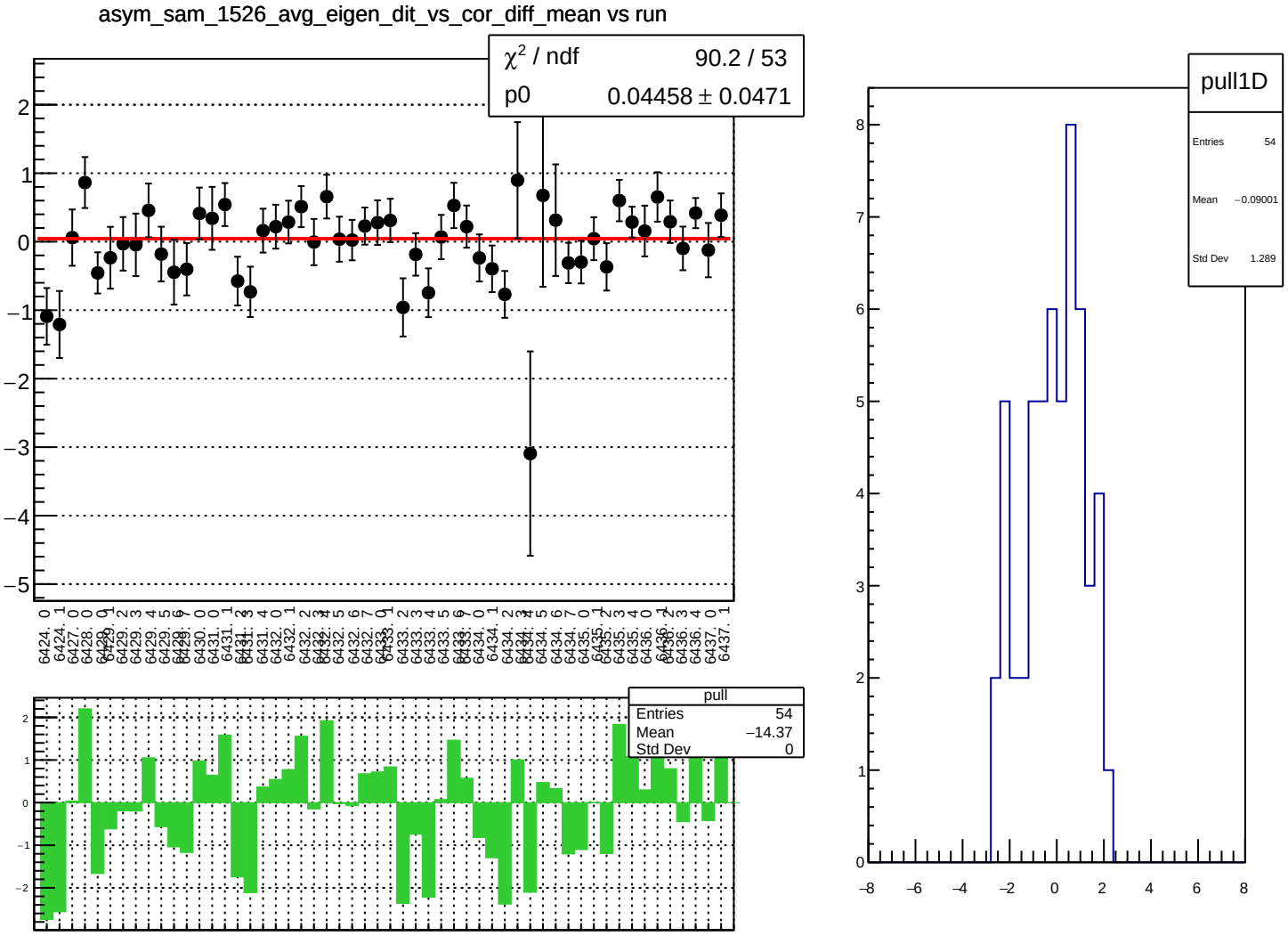

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.115e+04 / 53
p0 32.82 ± 0.0333
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

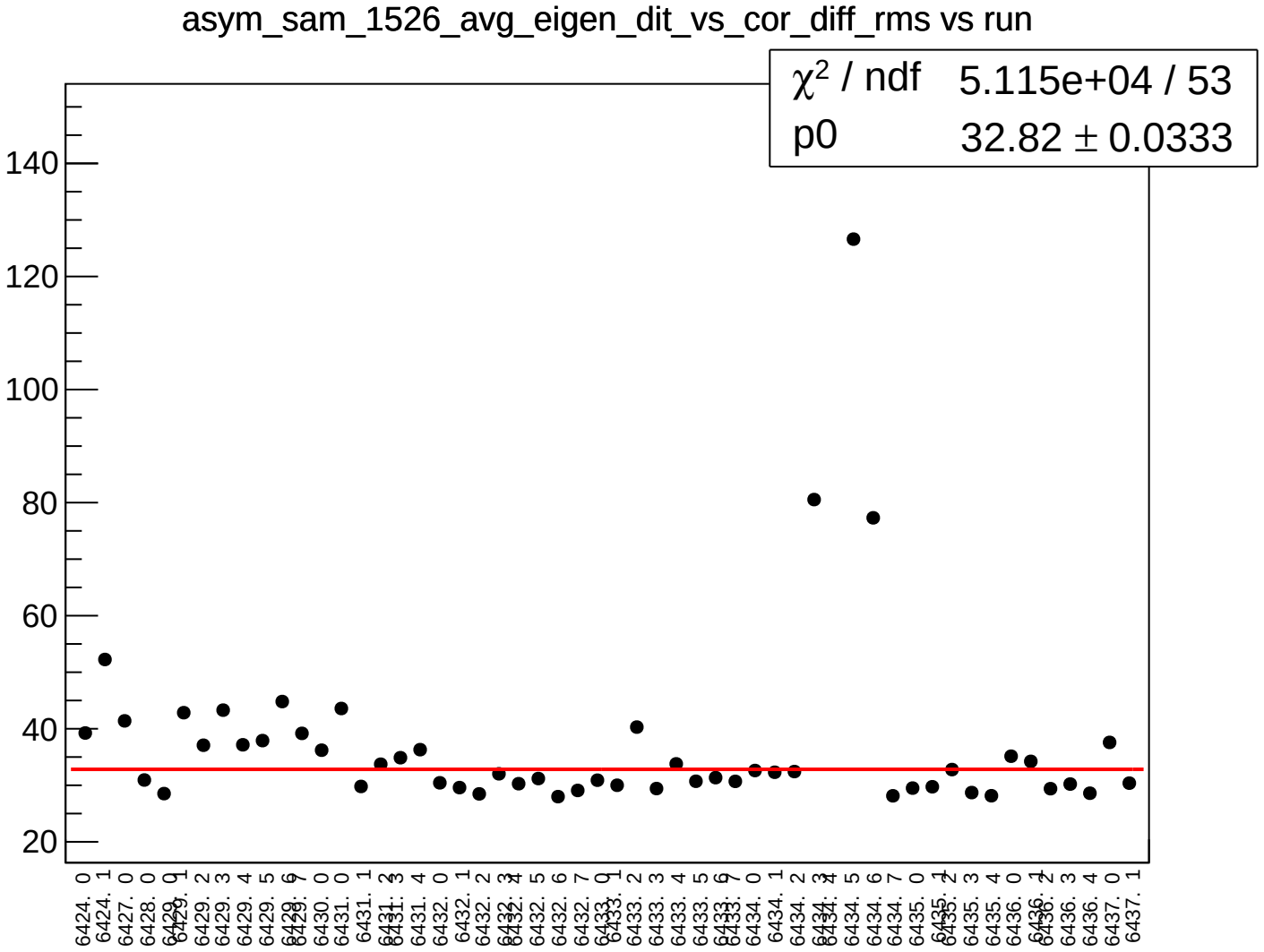

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.2 / 53
p0 0.04457 ± 0.0471
pull
Entries 54
Mean −14.37
Std Dev 0
pull1D
Entries 54
Mean −0.09001
Std Dev 1.289

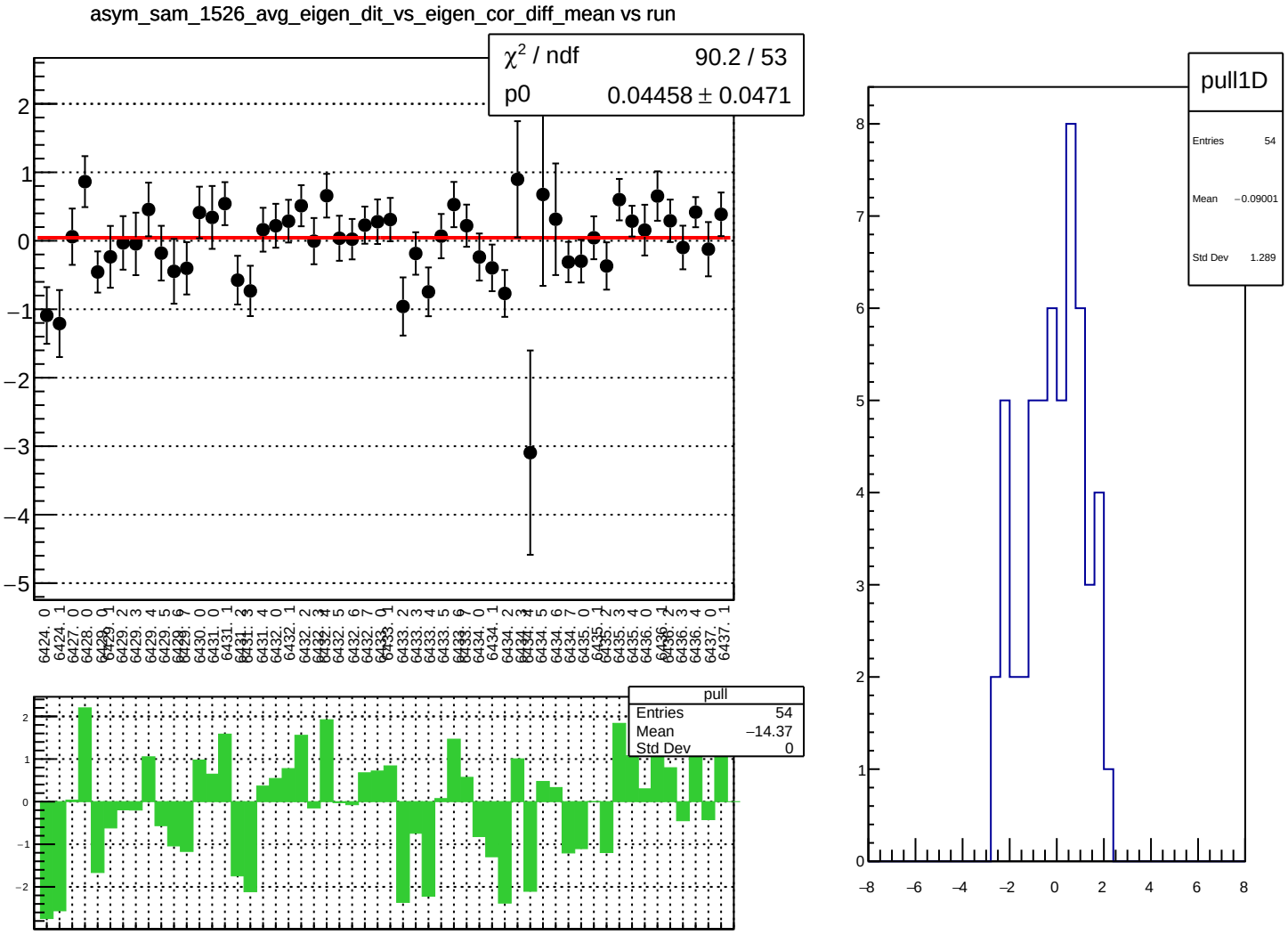

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.115e+04 / 53
p0 32.82 ± 0.0333
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

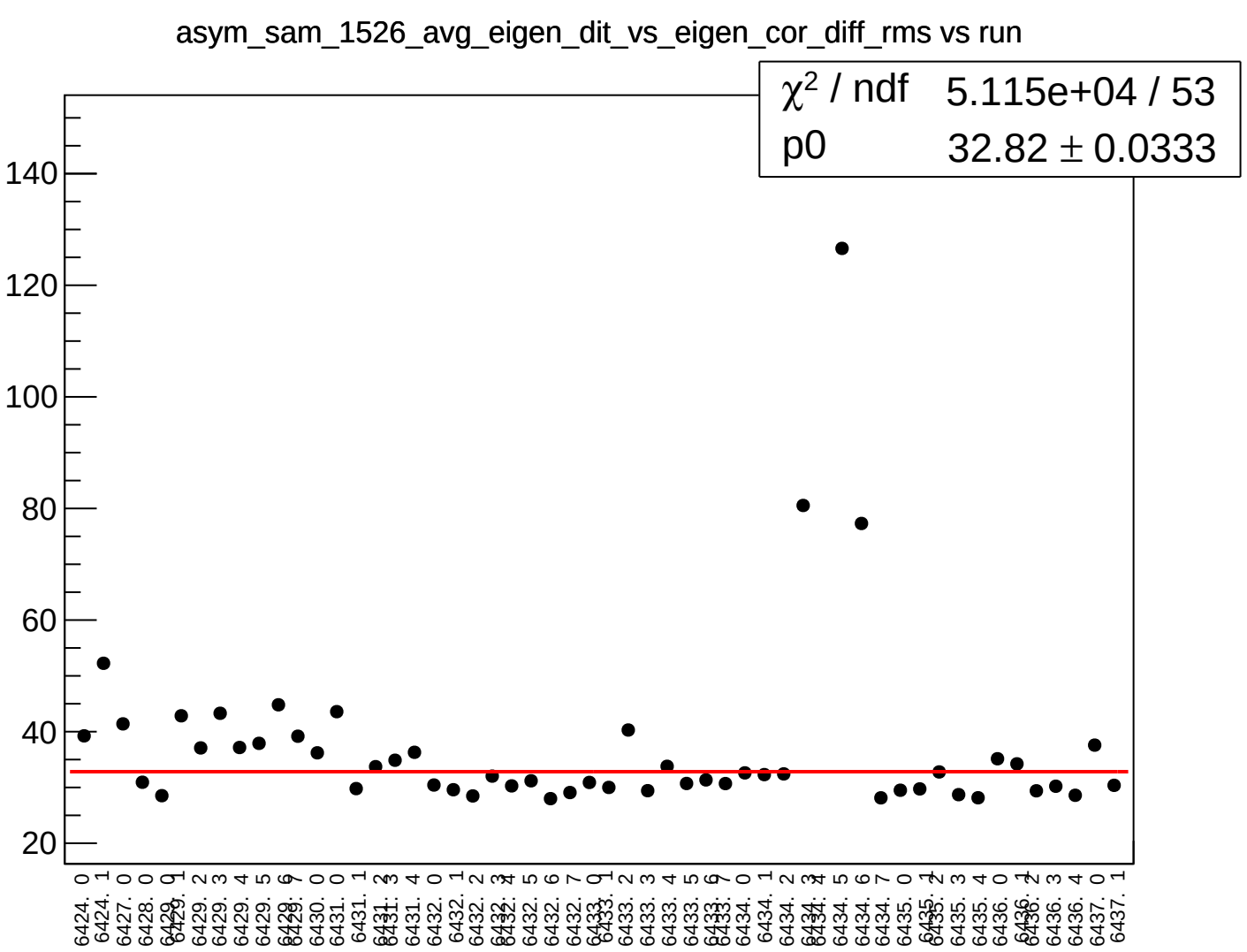

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 57.44 / 53
p0 1.857e−06 ± 2.252e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 658.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.00425
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2067 / 53
p0 0.001609 ± 1.592e−06
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.2 / 53
p0 0.04458 ± 0.0471
pull
Entries 54
Mean −14.37
Std Dev 0
pull1D
Entries 54
Mean −0.09001
Std Dev 1.289


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.115e+04 / 53
p0 32.82 ± 0.0333
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.2 / 53
p0 0.04458 ± 0.0471
pull
Entries 54
Mean −14.37
Std Dev 0
pull1D
Entries 54
Mean −0.09001
Std Dev 1.289


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.115e+04 / 53
p0 32.82 ± 0.0333
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 7
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
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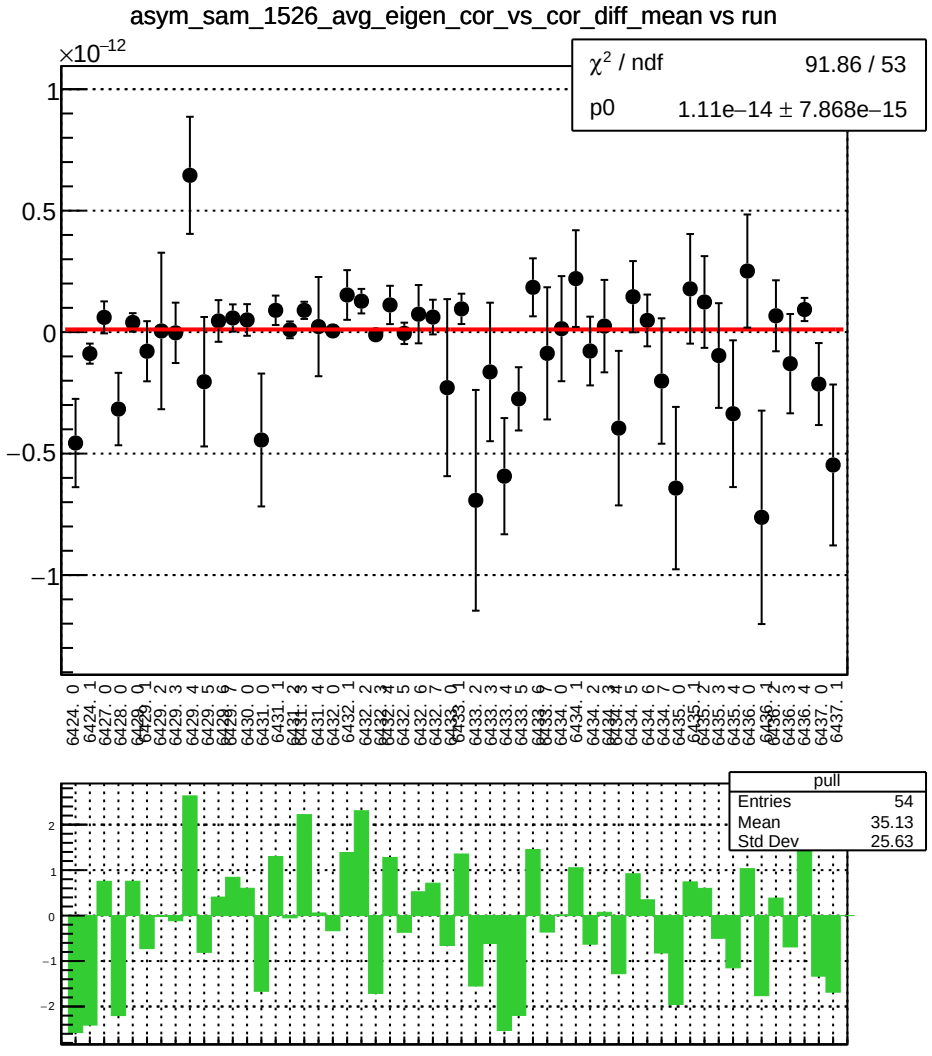
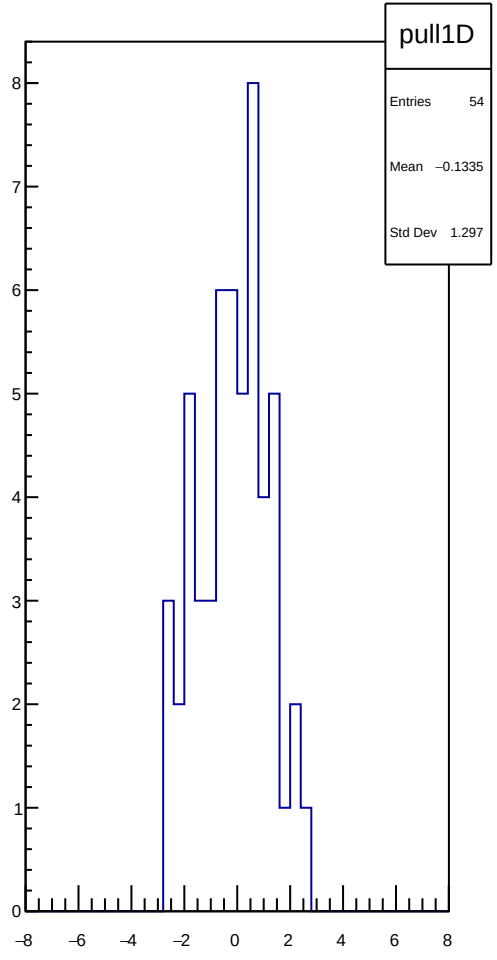
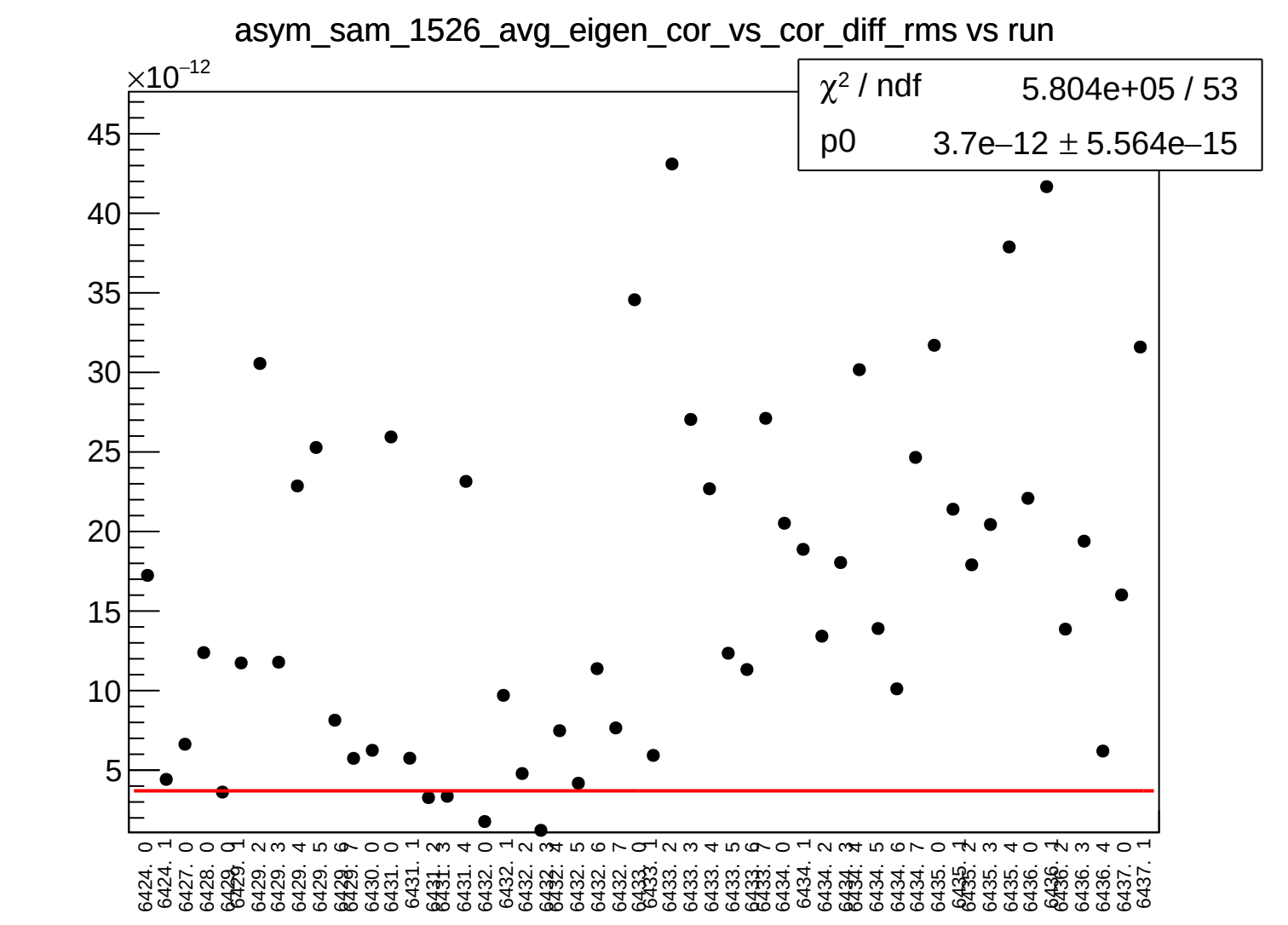
6437. 0
6437. 1


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.86 / 53
p0 1.11e−14 ± 7.868e−15
pull
Entries 54
Mean 35.13
Std Dev 25.63


pull1D
Entries 54
Mean −0.1335
Std Dev 1.297


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 5.804e+05 / 53
p0 3.7e−12 ± 5.564e−15
45
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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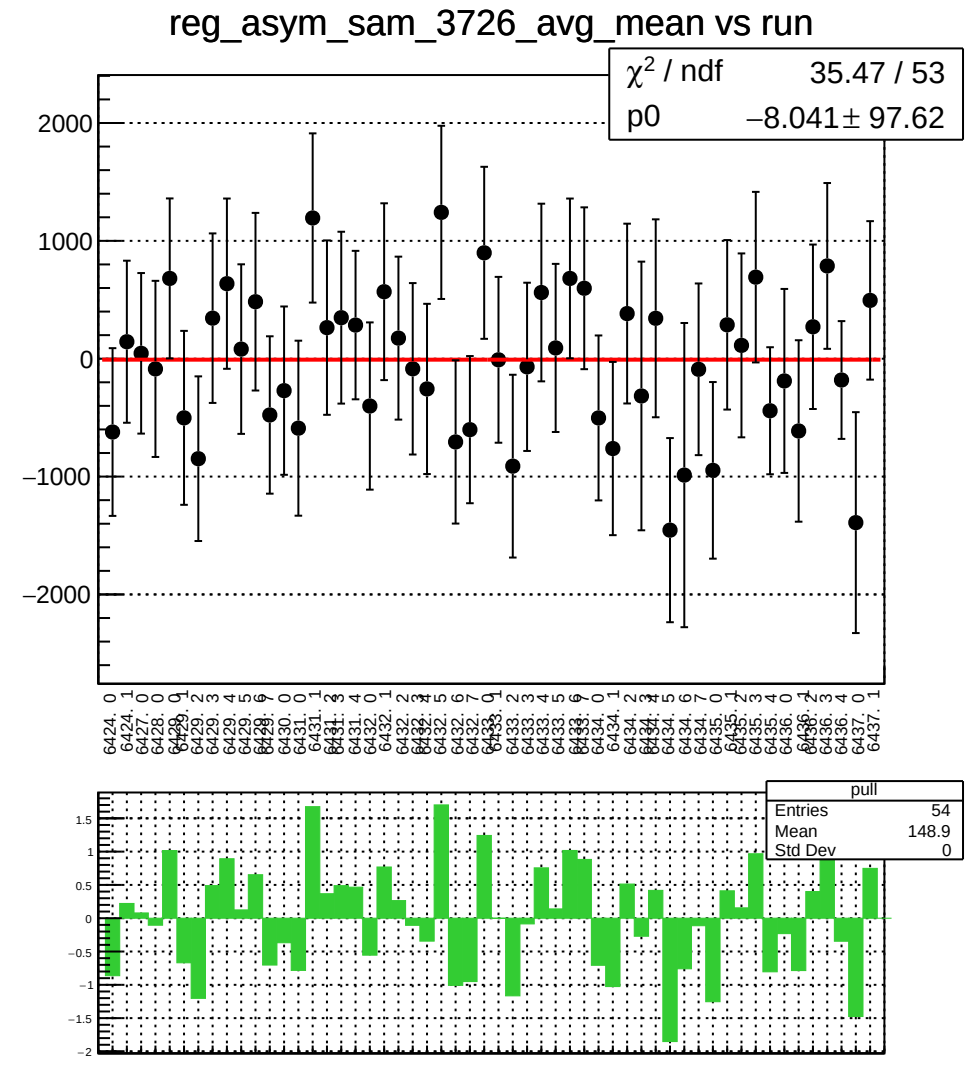
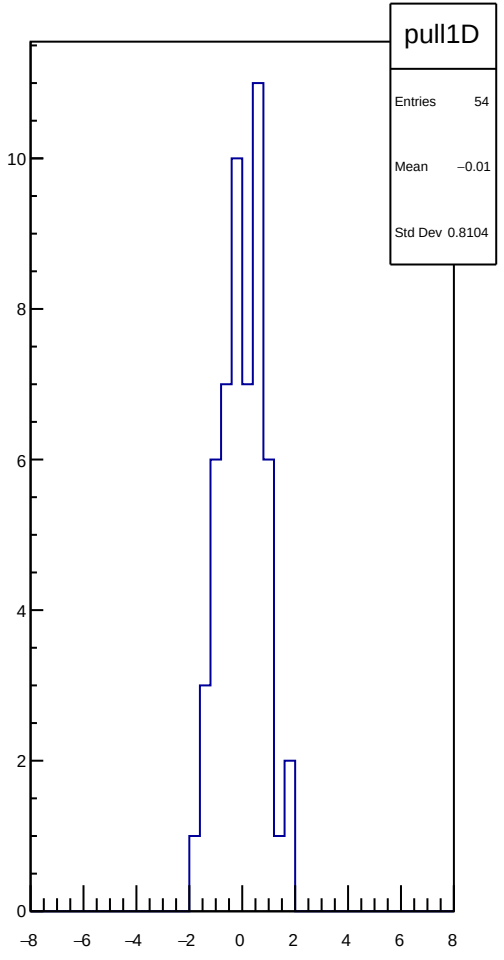
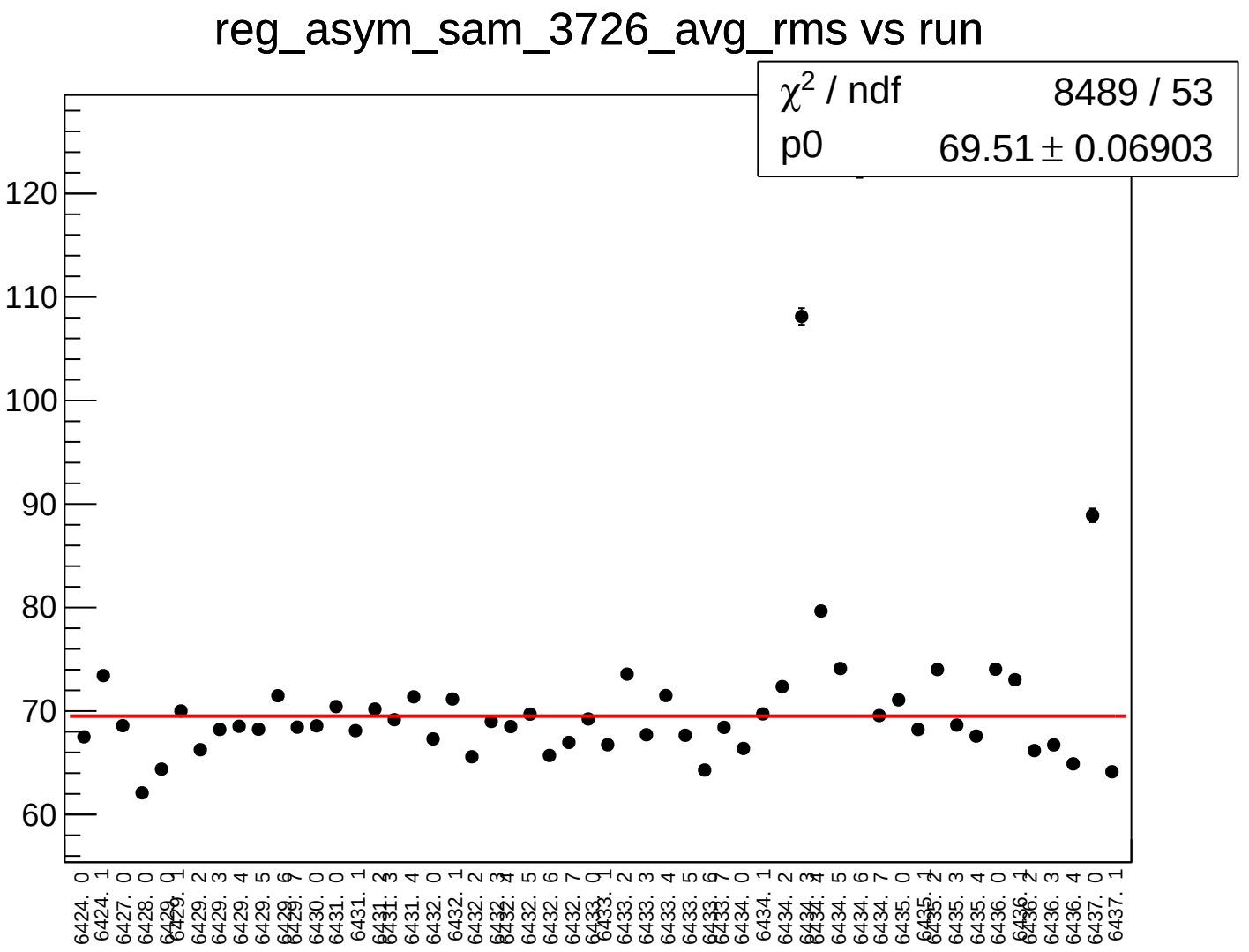
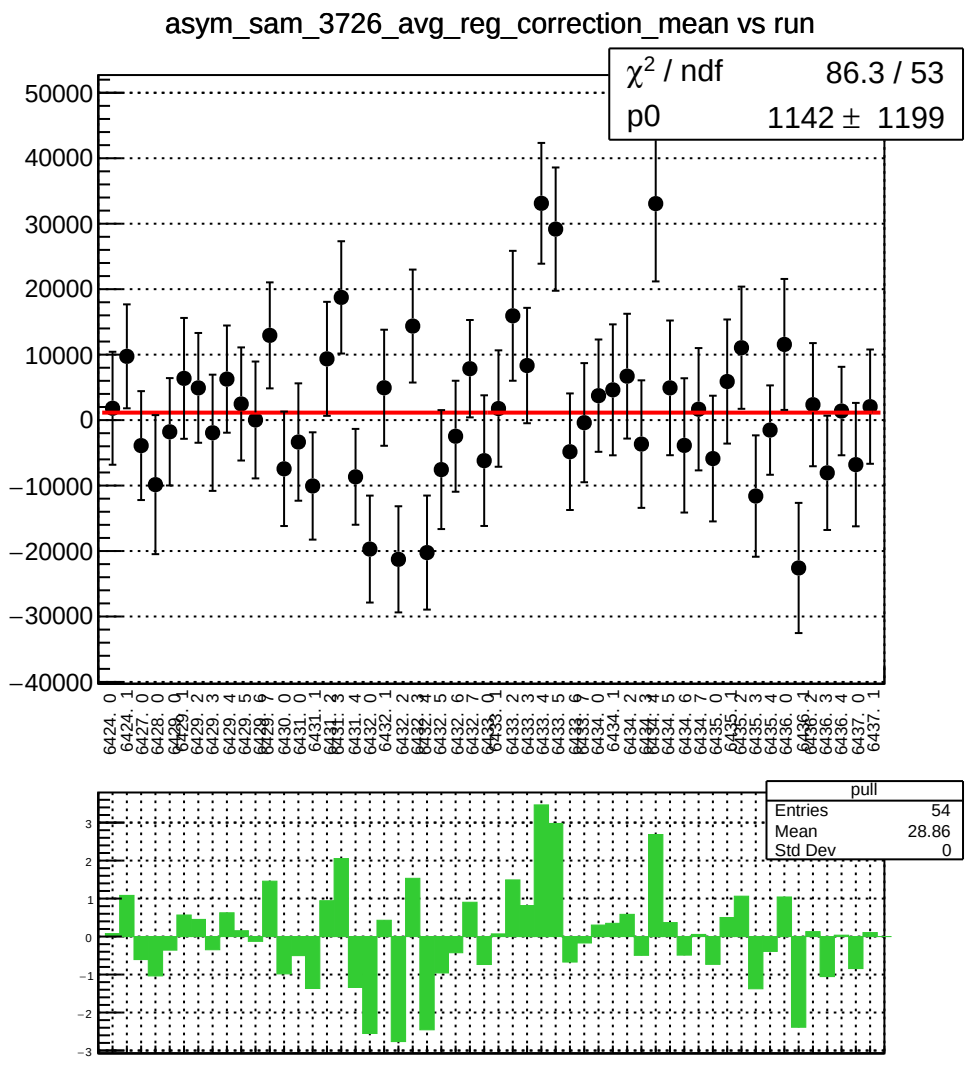
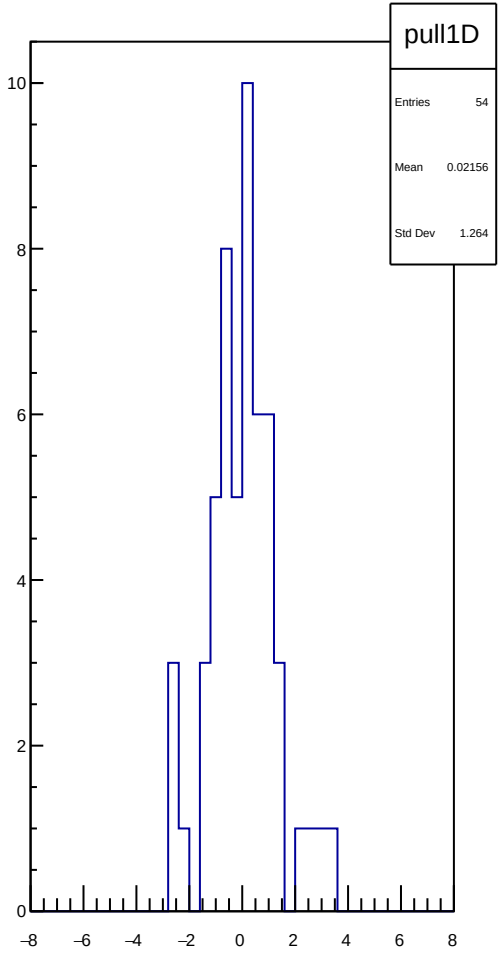
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

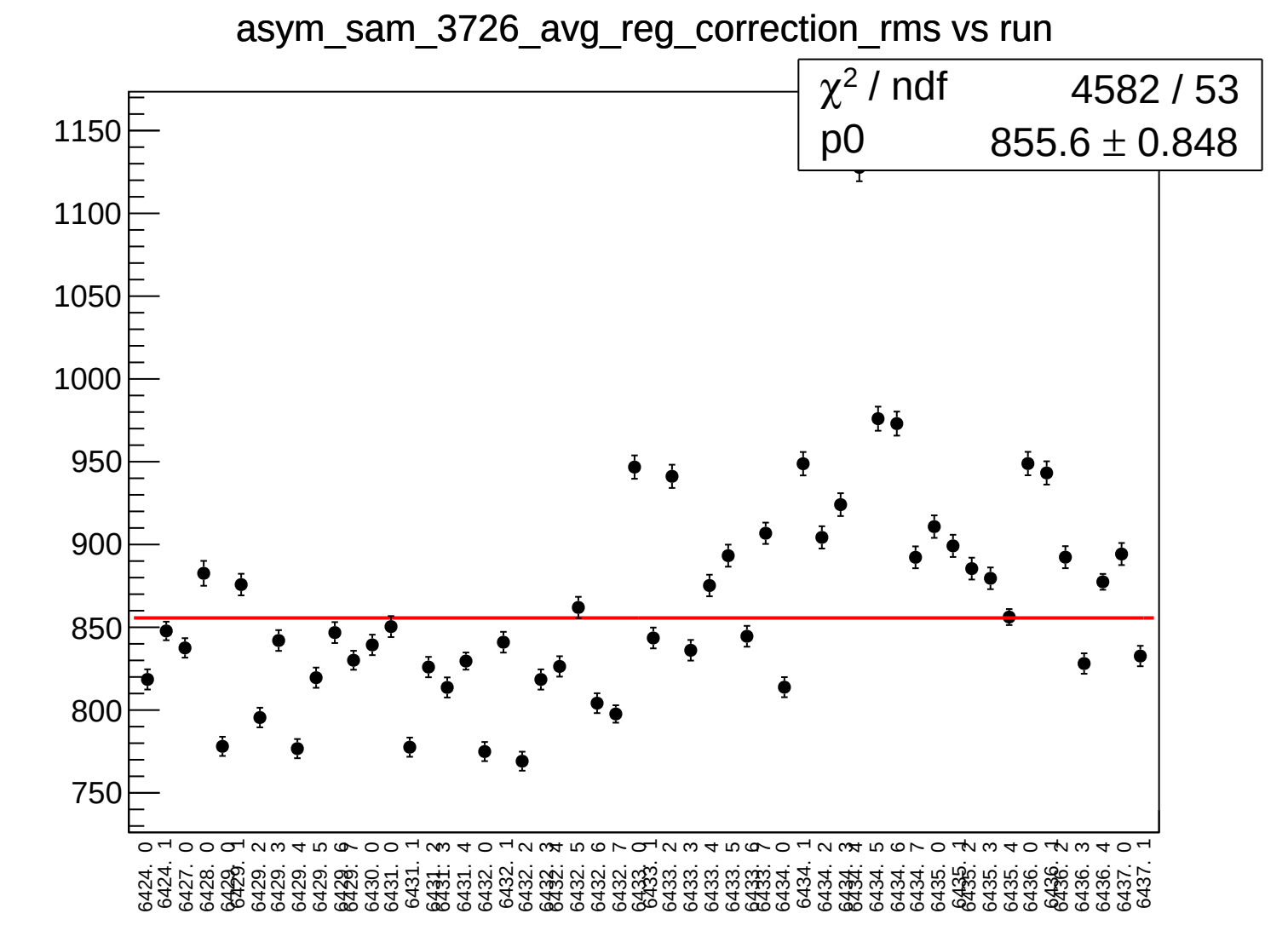

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 35.47 / 53
p0 −8.041 ± 97.62
pull
Entries 54
Mean 148.9
Std Dev 0


pull1D
Entries 54
Mean −0.01
Std Dev 0.8104


reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 8489 / 53
p0 69.51 ± 0.06903
120
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 86.3 / 53
p0 1142 ± 1199
pull
Entries 54
Mean 28.86
Std Dev 0


pull1D
Entries 54
Mean 0.02156
Std Dev 1.264


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 4582 / 53
p0 855.6 ± 0.848
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
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6432. 6
6432. 7
6433. 0
6433. 1
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6433. 5
6433. 6
6433. 7
6434. 0
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6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
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6436. 1
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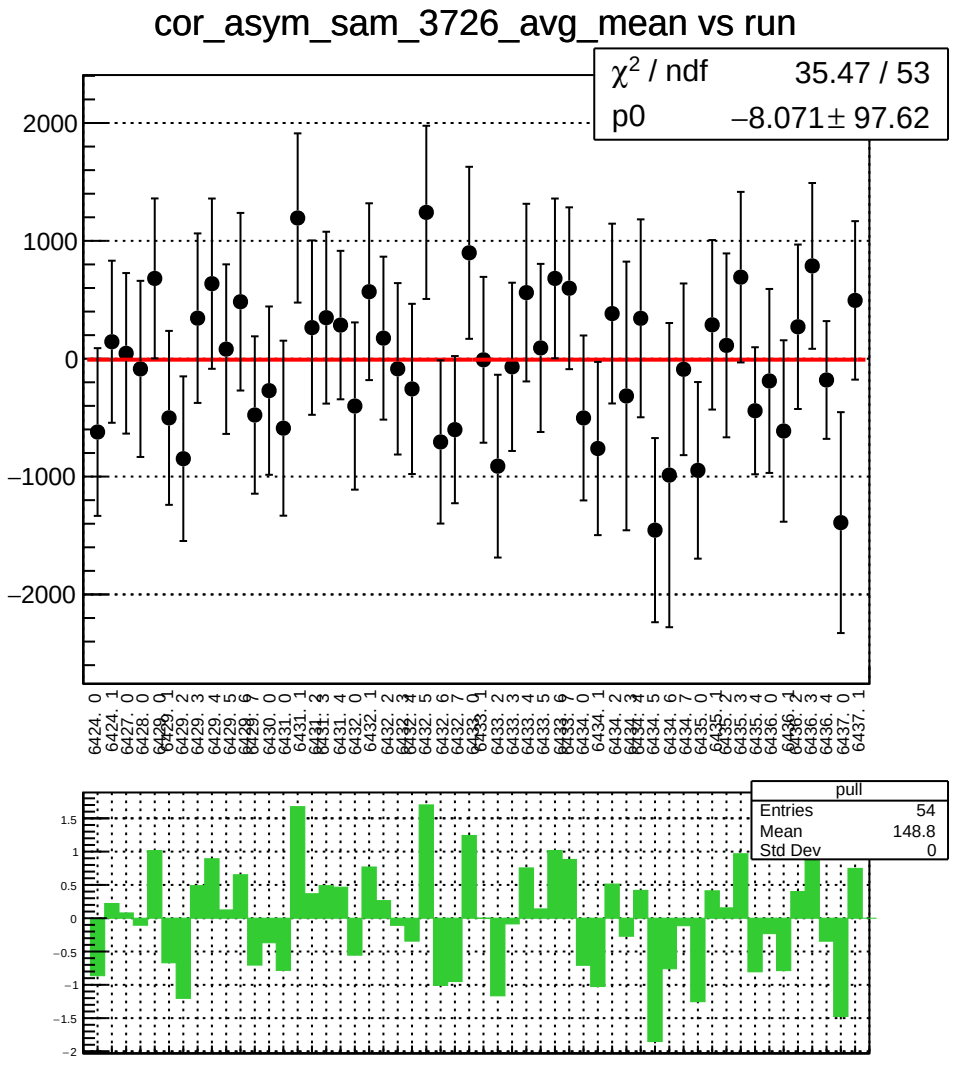
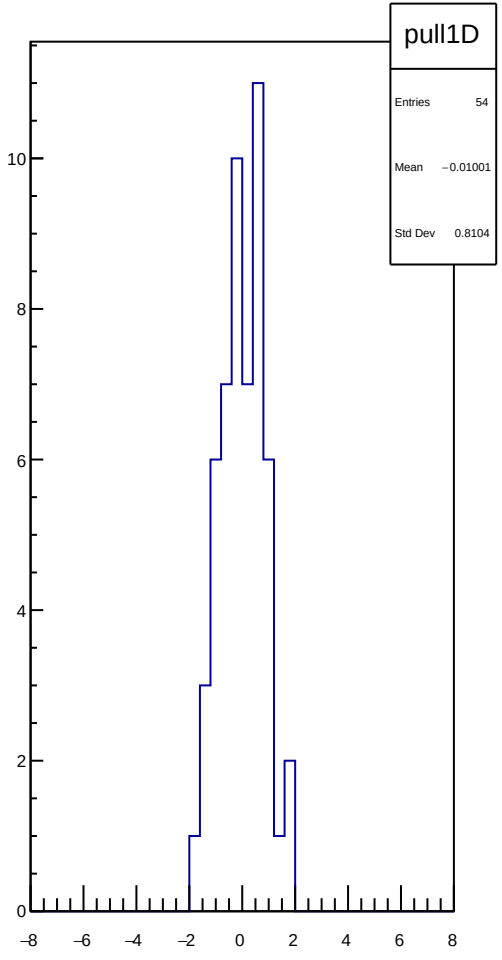
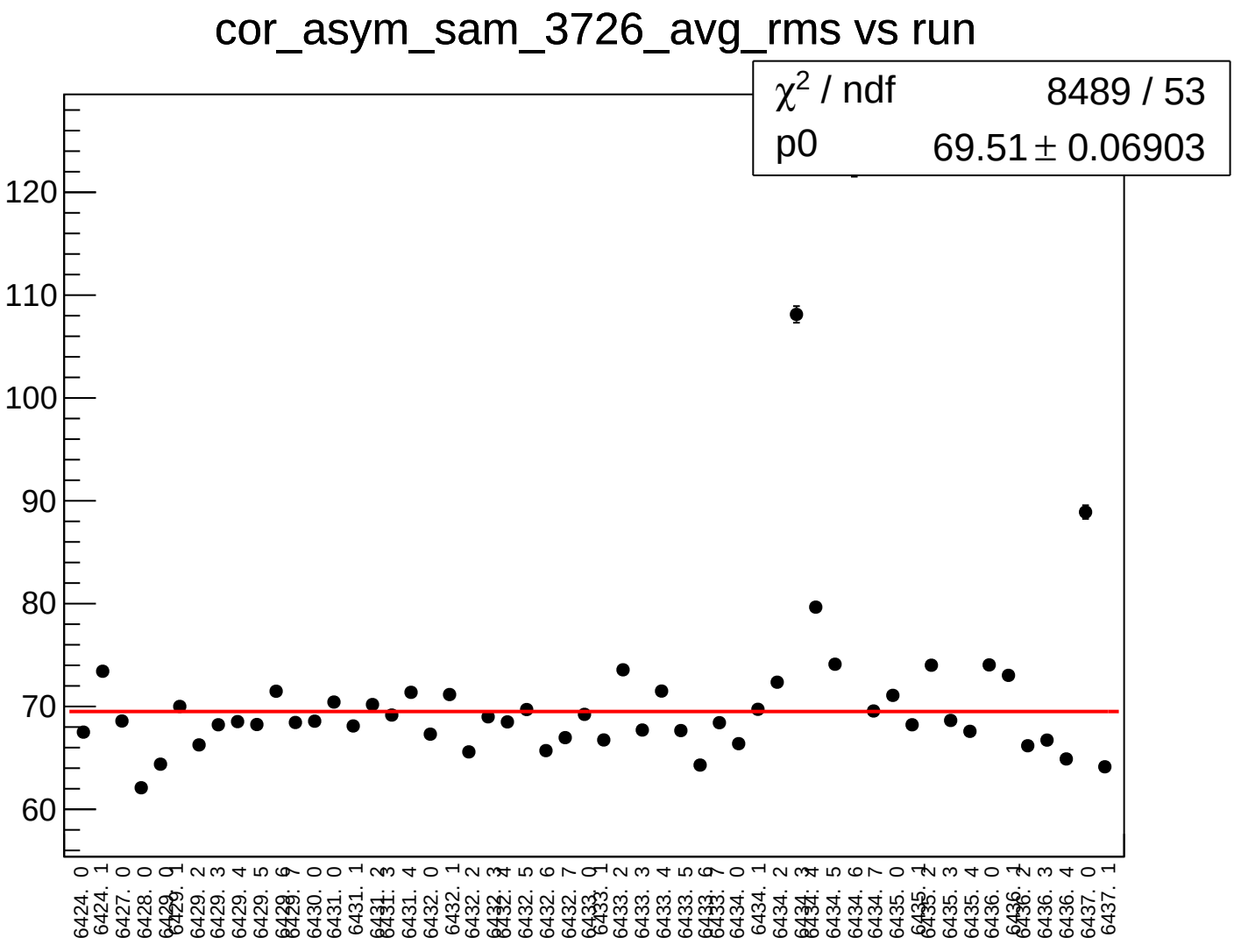
6436. 4
6437. 0
6437. 1


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 35.47 / 53
p0 −8.071 ± 97.62
pull
Entries 54
Mean 148.8
Std Dev 0


pull1D
Entries 54
Mean −0.01001
Std Dev 0.8104


cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 8489 / 53
p0 69.51 ± 0.06903
120
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 3
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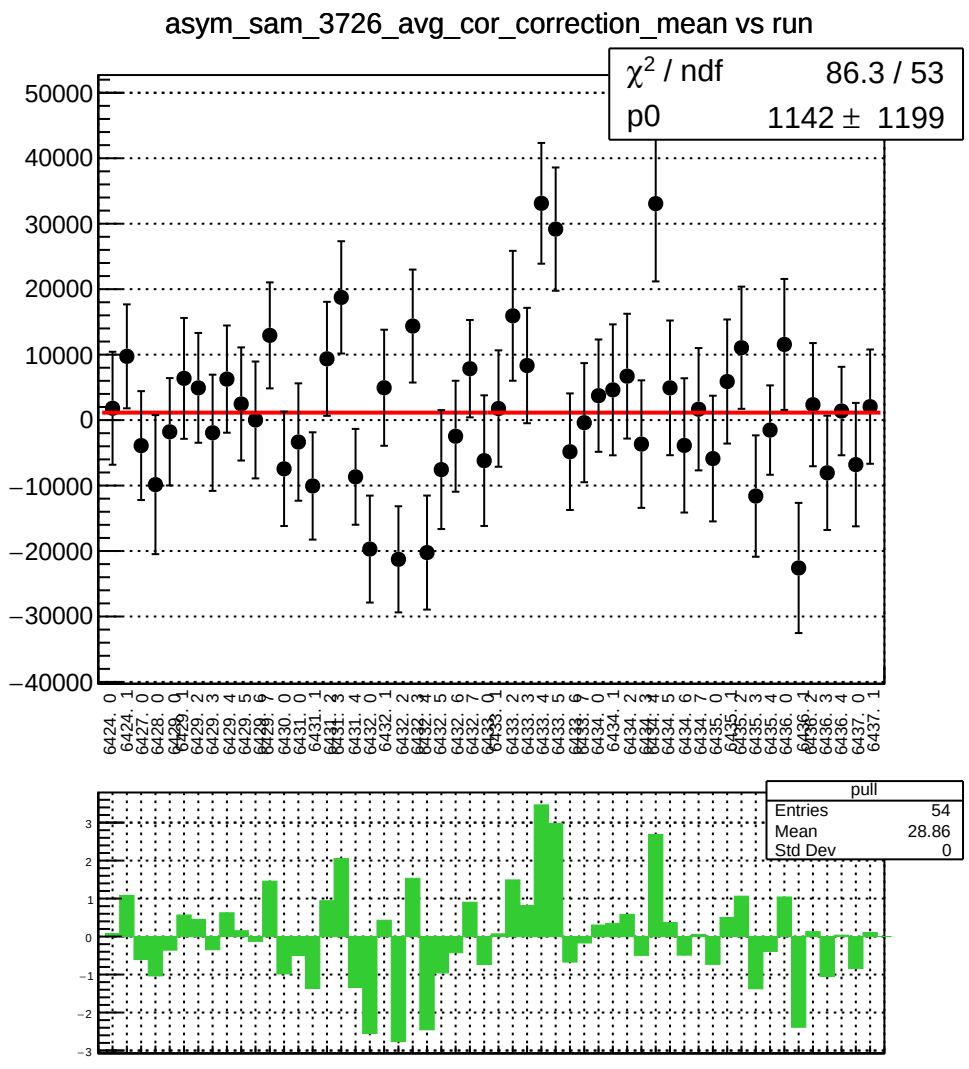
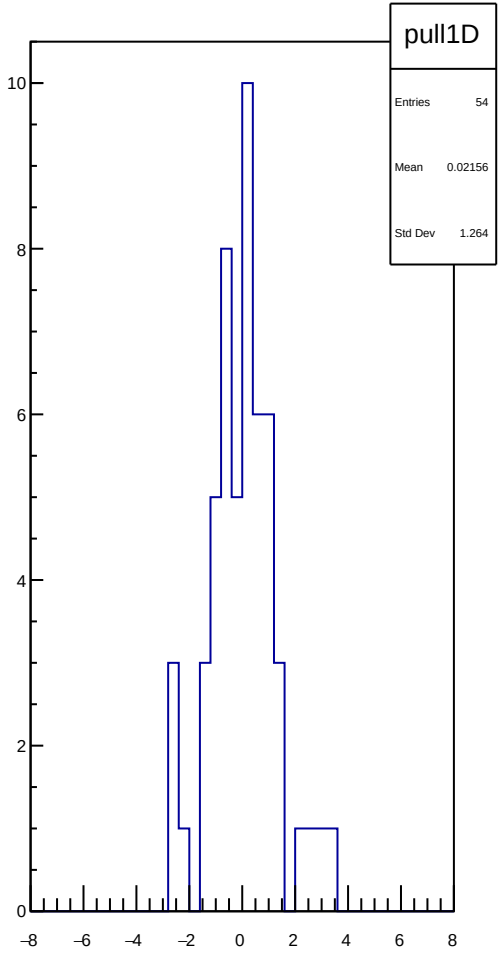
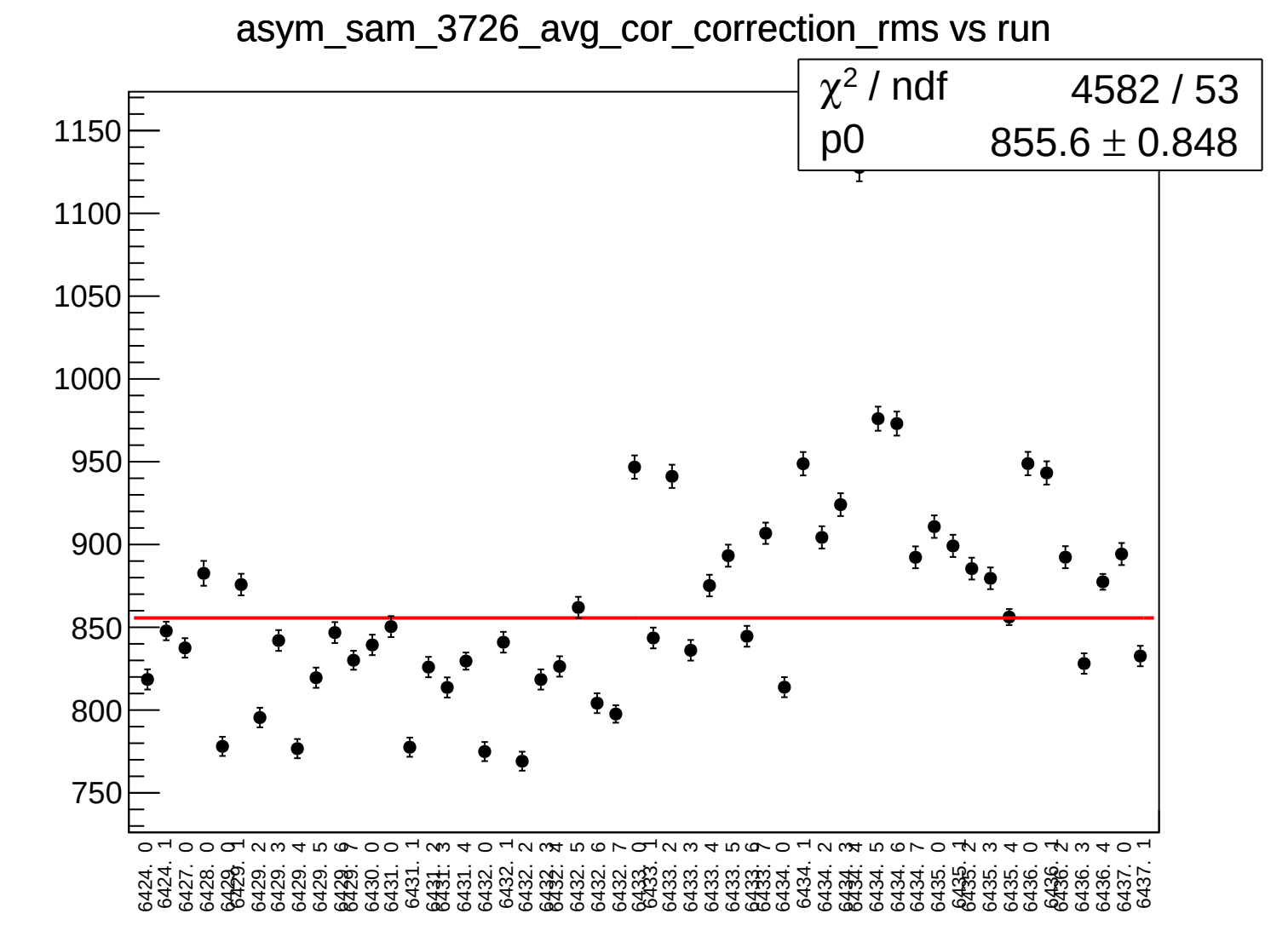
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 86.3 / 53
p0 1142 ± 1199
pull
Entries 54
Mean 28.86
Std Dev 0


pull1D
Entries 54
Mean 0.02156
Std Dev 1.264


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 4582 / 53
p0 855.6 ± 0.848
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
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6434. 2
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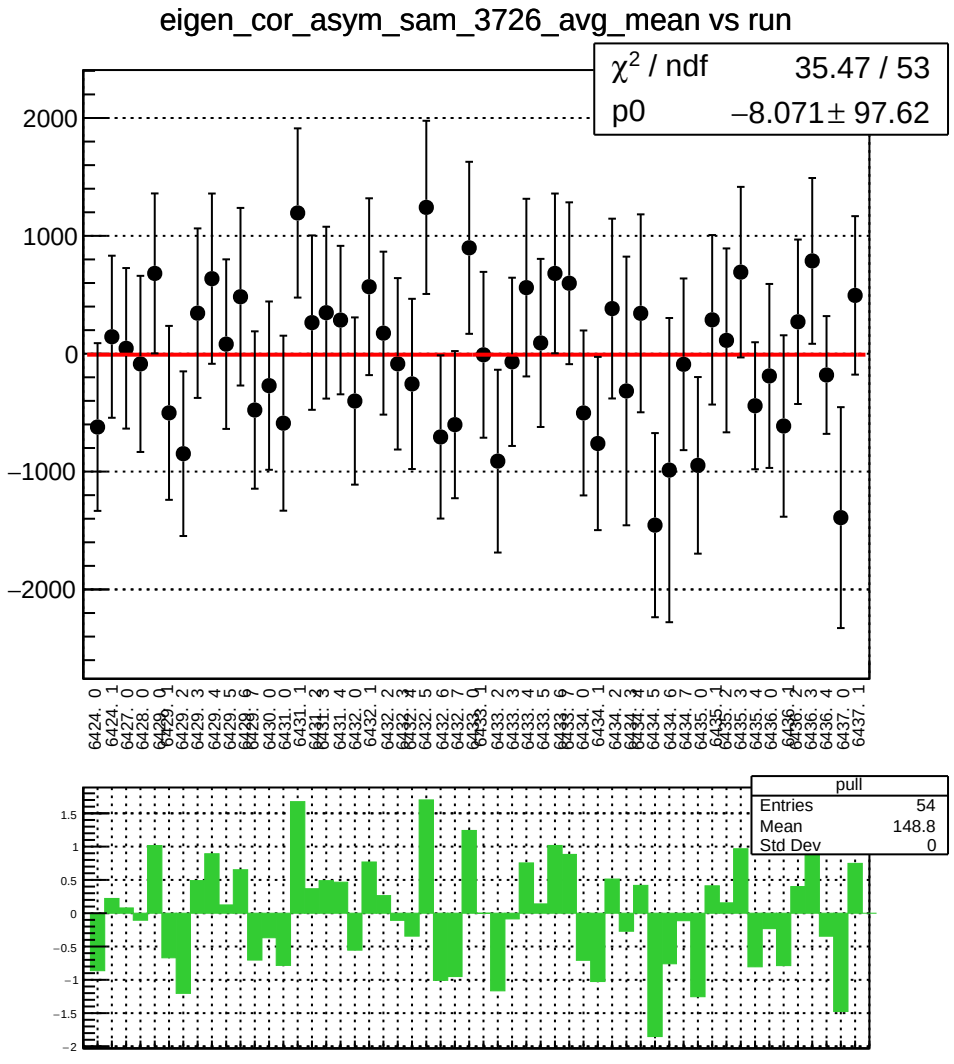
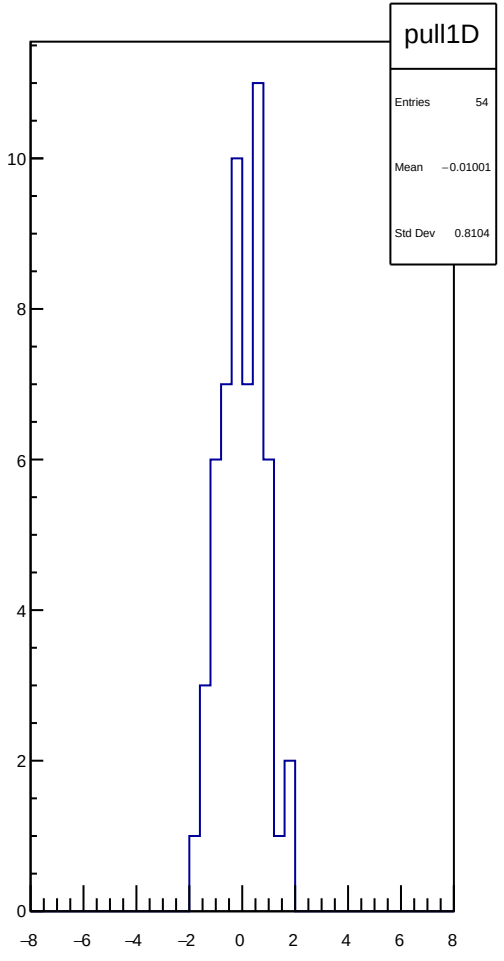
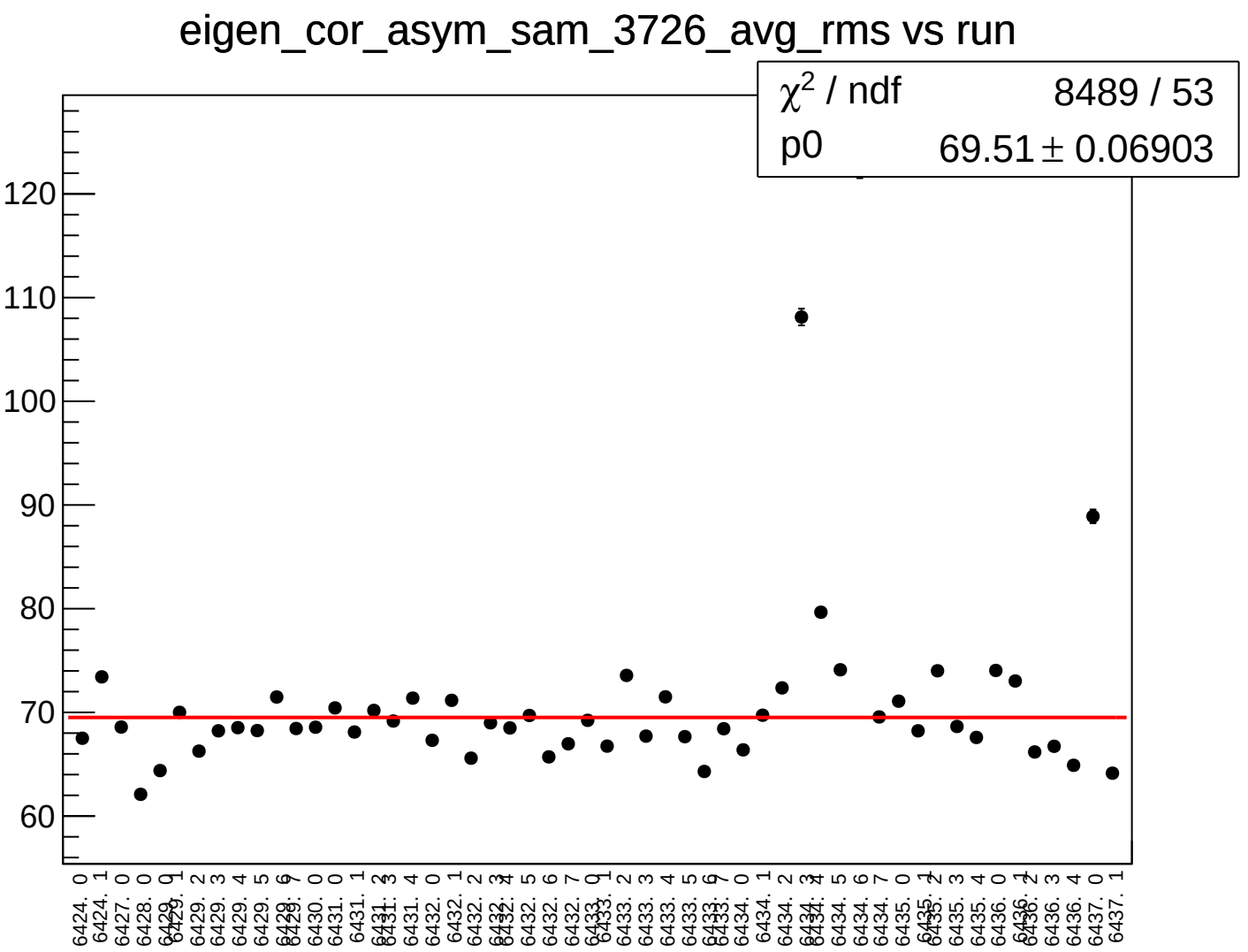
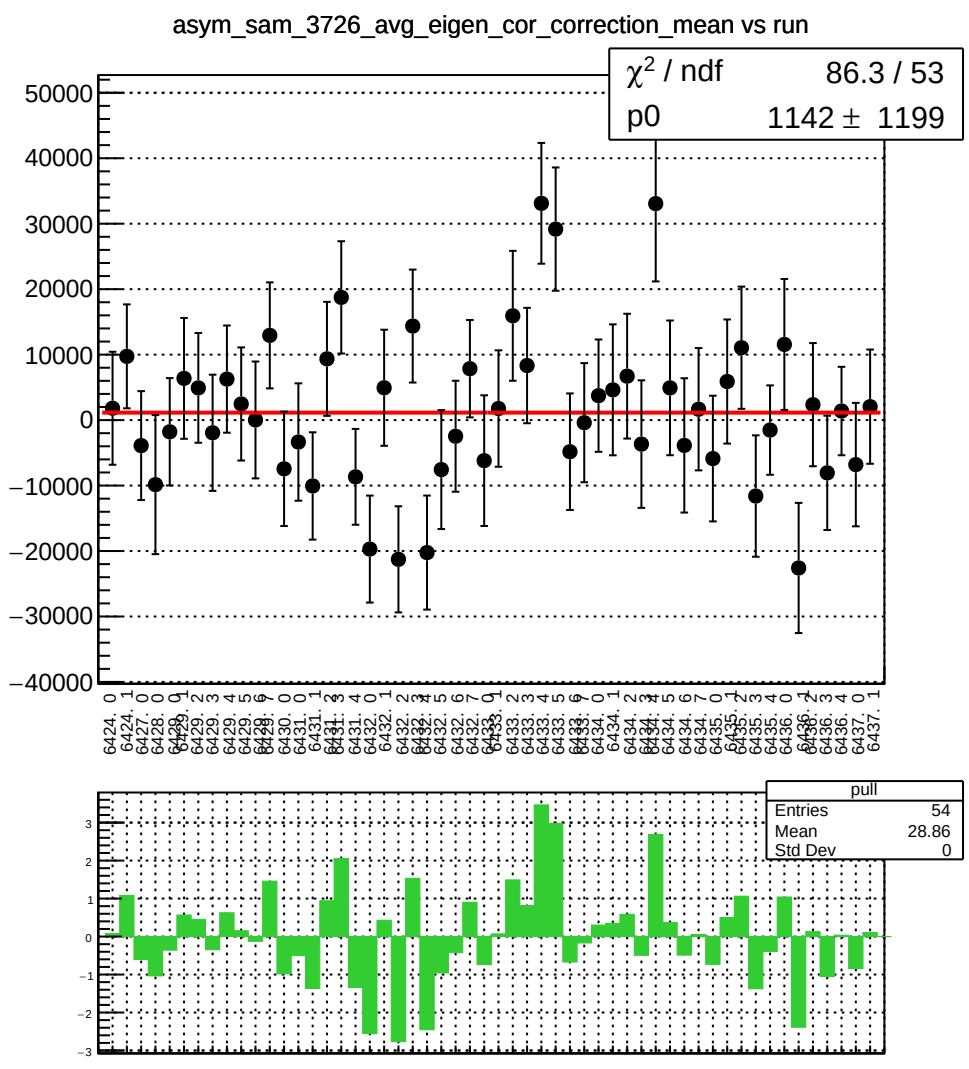
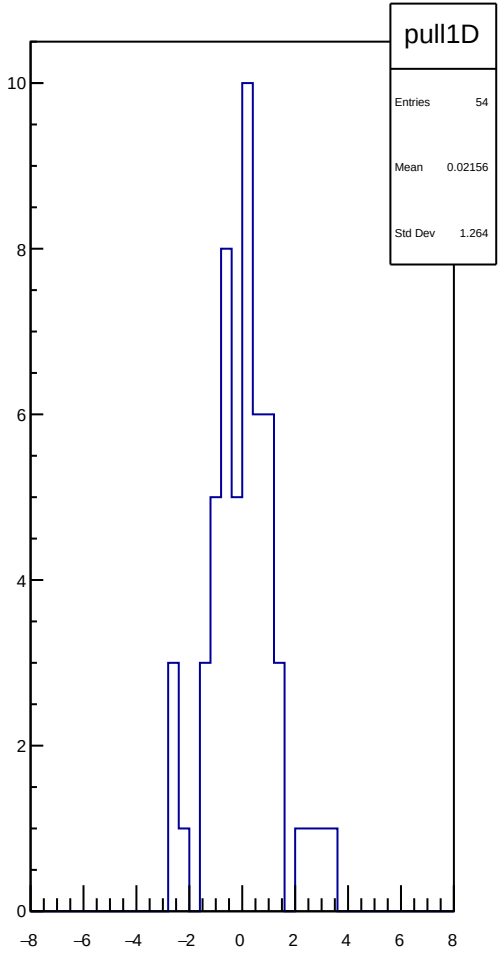
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

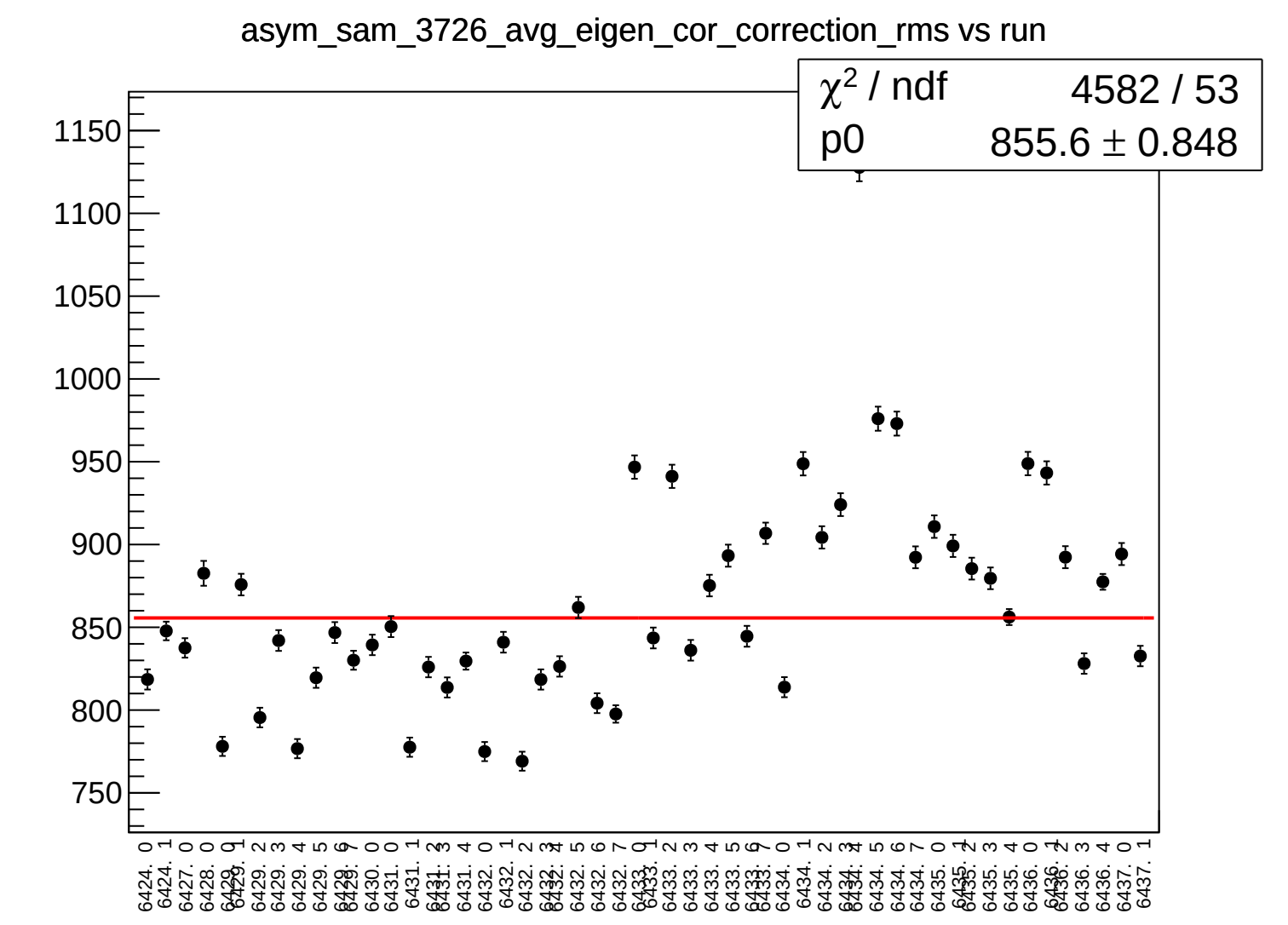

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 35.47 / 53
p0 −8.071 ± 97.62
2000
1000
0
−1000
−2000
pull
Entries 54
Mean 148.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.01001
Std Dev 0.8104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 8489 / 53
p0 69.51 ± 0.06903
120
110
100
90
80
70
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 86.3 / 53
p0 1142 ± 1199
pull
Entries 54
Mean 28.86
Std Dev 0


pull1D
Entries 54
Mean 0.02156
Std Dev 1.264


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 4582 / 53
p0 855.6 ± 0.848
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
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6434. 6
6434. 7
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6435. 1
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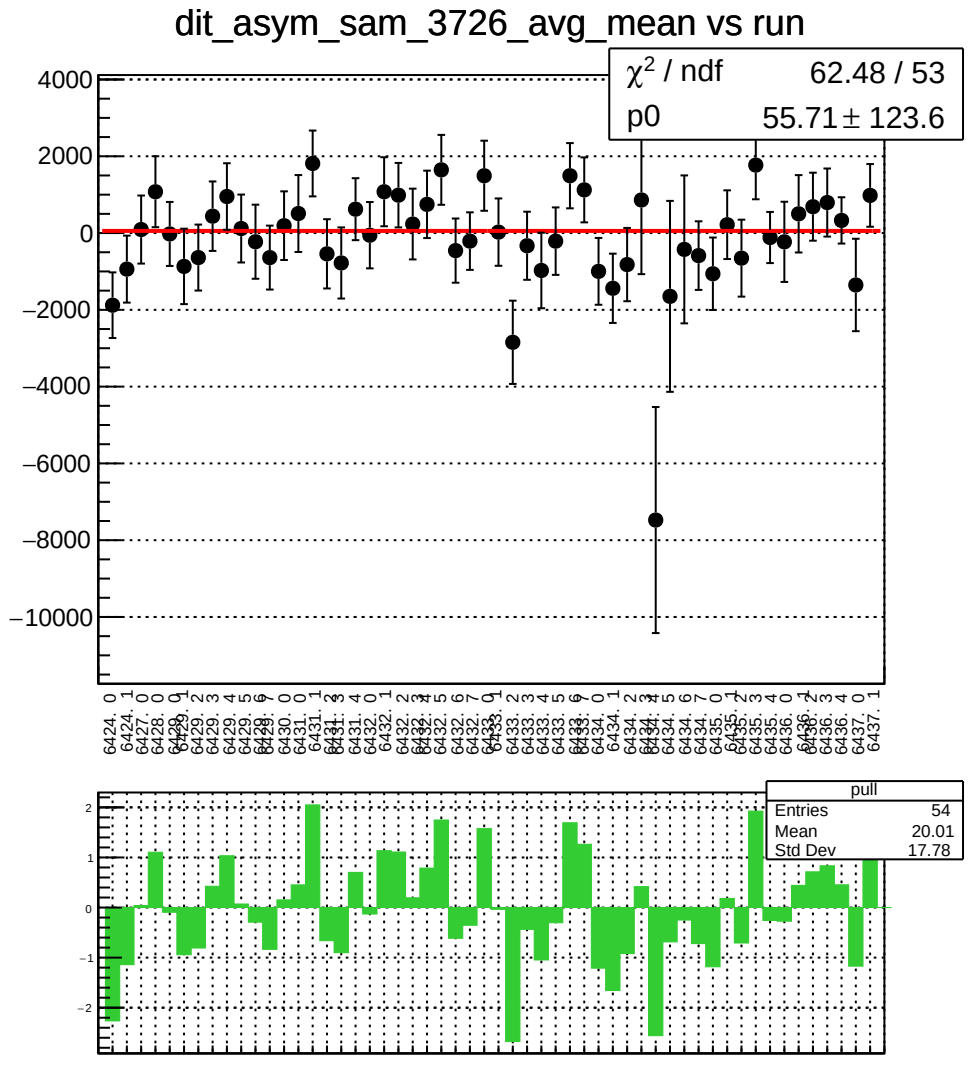
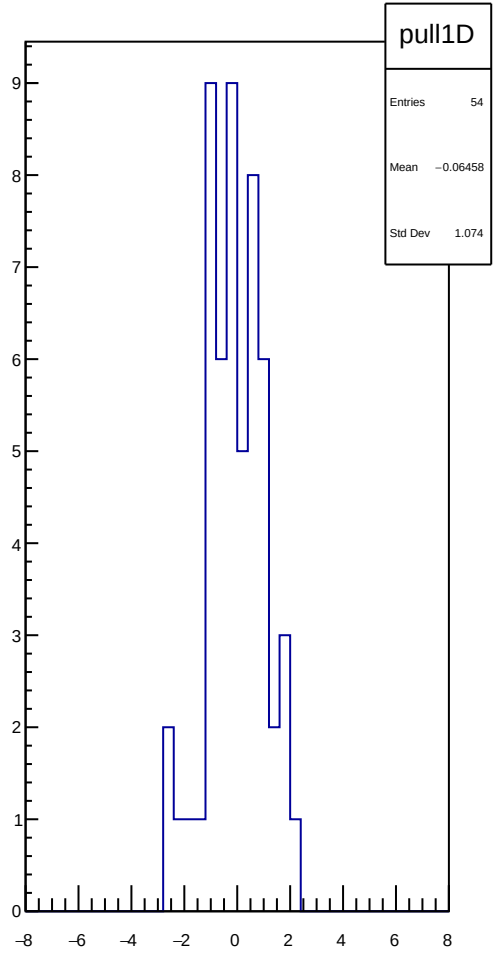
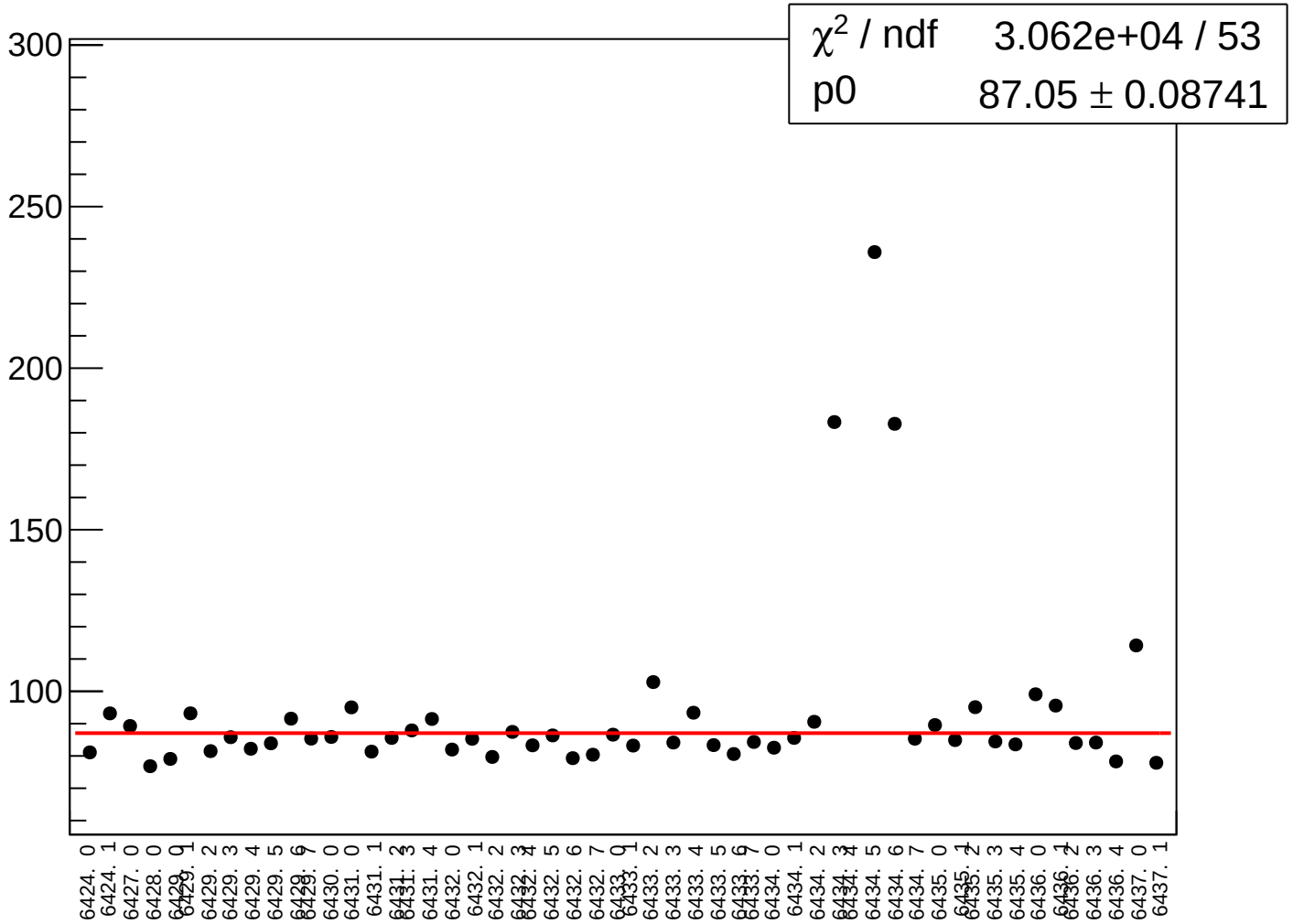
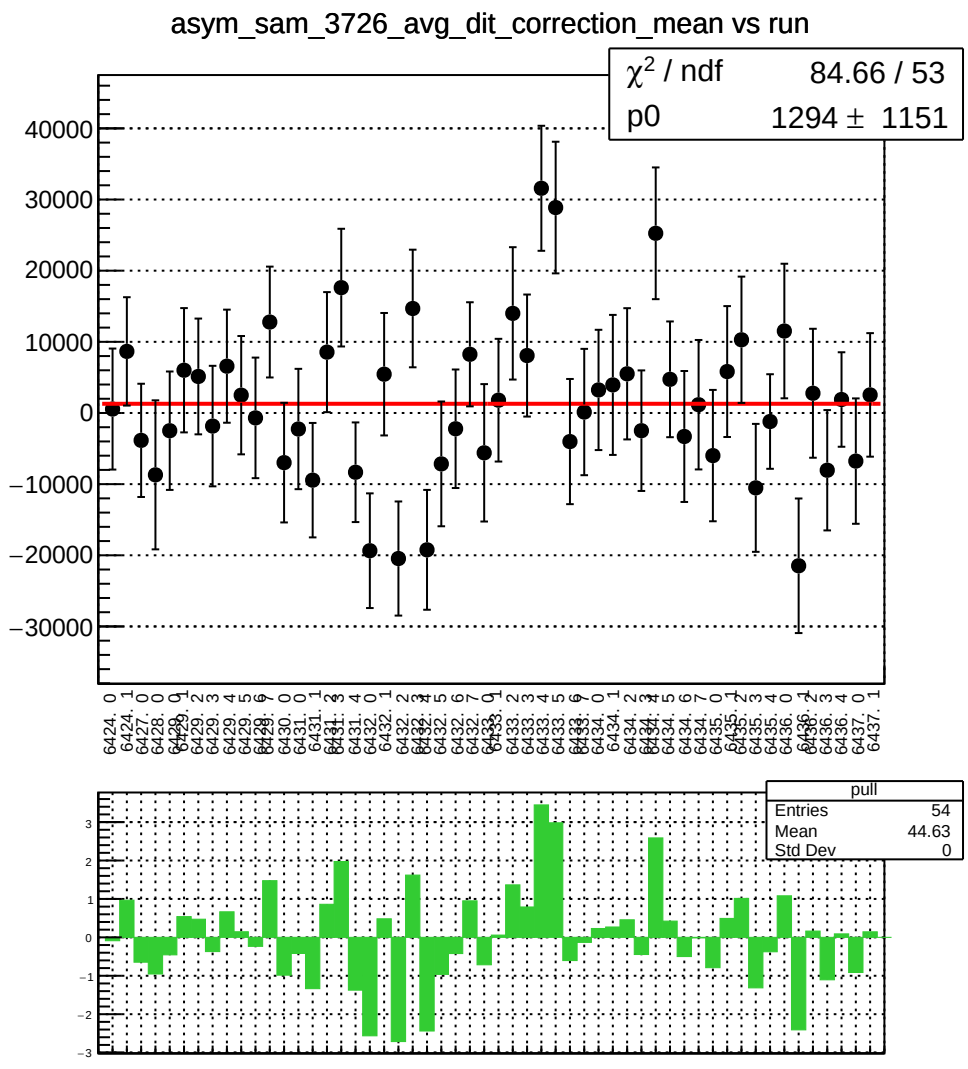
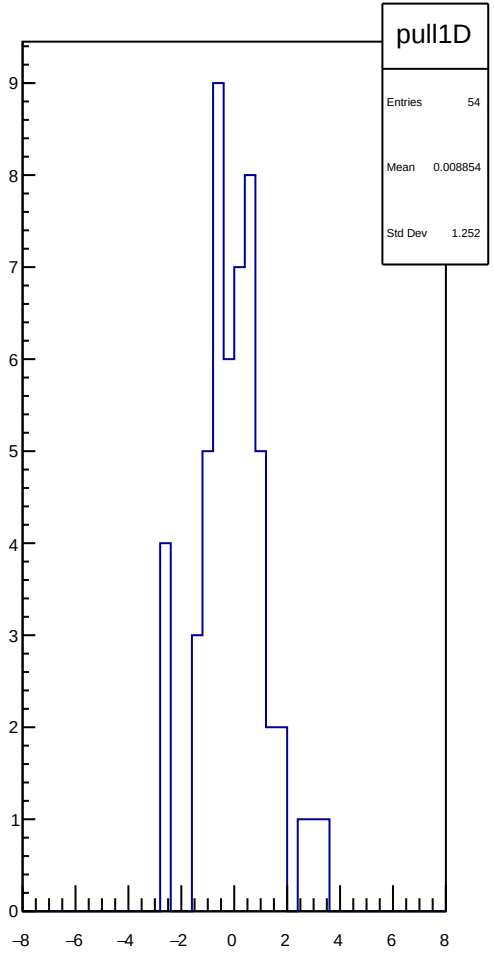
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

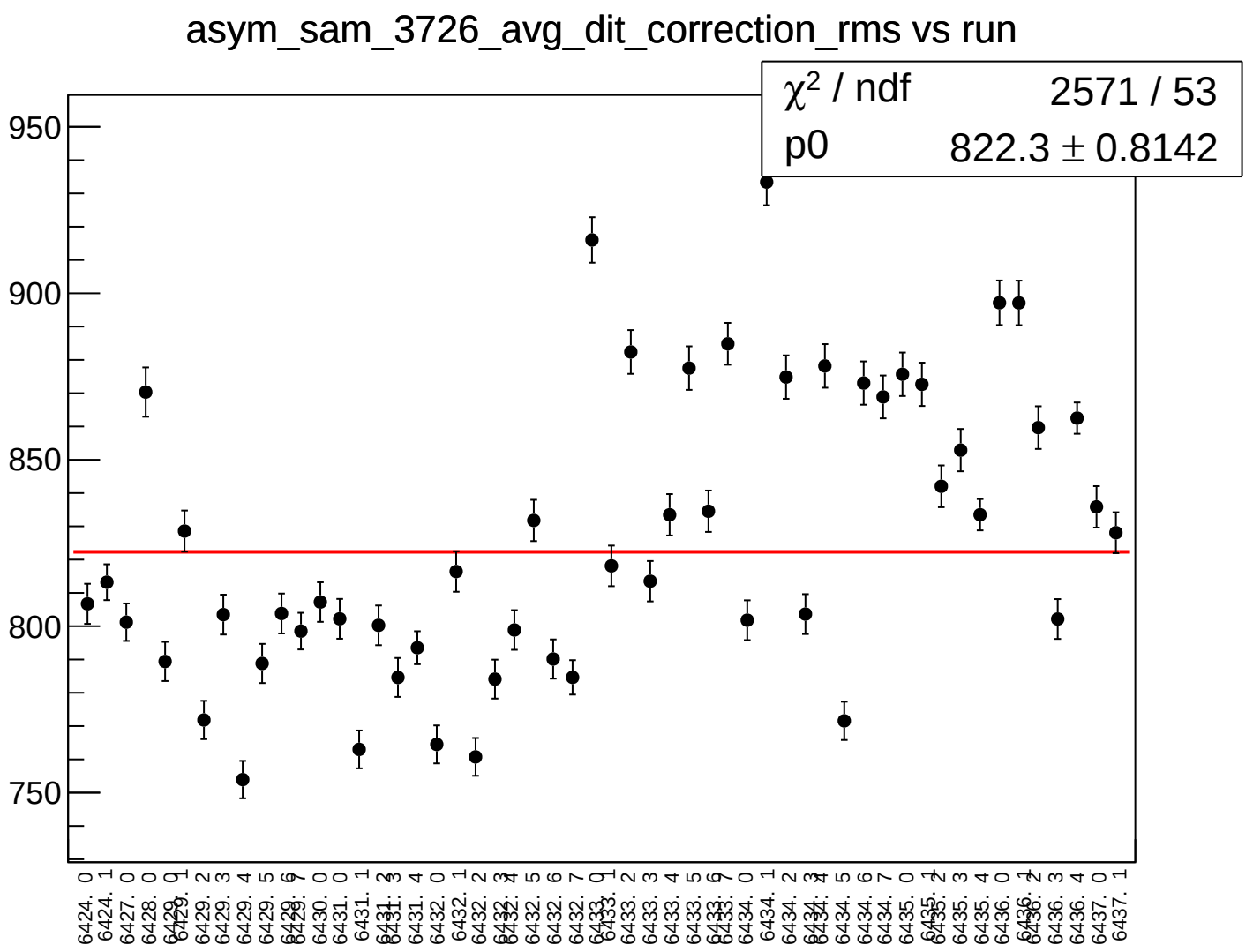

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 62.48 / 53
p0 55.71 ± 123.6
pull
Entries 54
Mean 20.01
Std Dev 17.78


pull1D
Entries 54
Mean −0.06458
Std Dev 1.074


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.062e+04 / 53
p0 87.05 ± 0.08741
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 84.66 / 53
p0 1294 ± 1151
pull
Entries 54
Mean 44.63
Std Dev 0


pull1D
Entries 54
Mean 0.008854
Std Dev 1.252


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2571 / 53
p0 822.3 ± 0.8142
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
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6432. 6
6432. 7
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6434. 0
6434. 1
6434. 2
6434. 5
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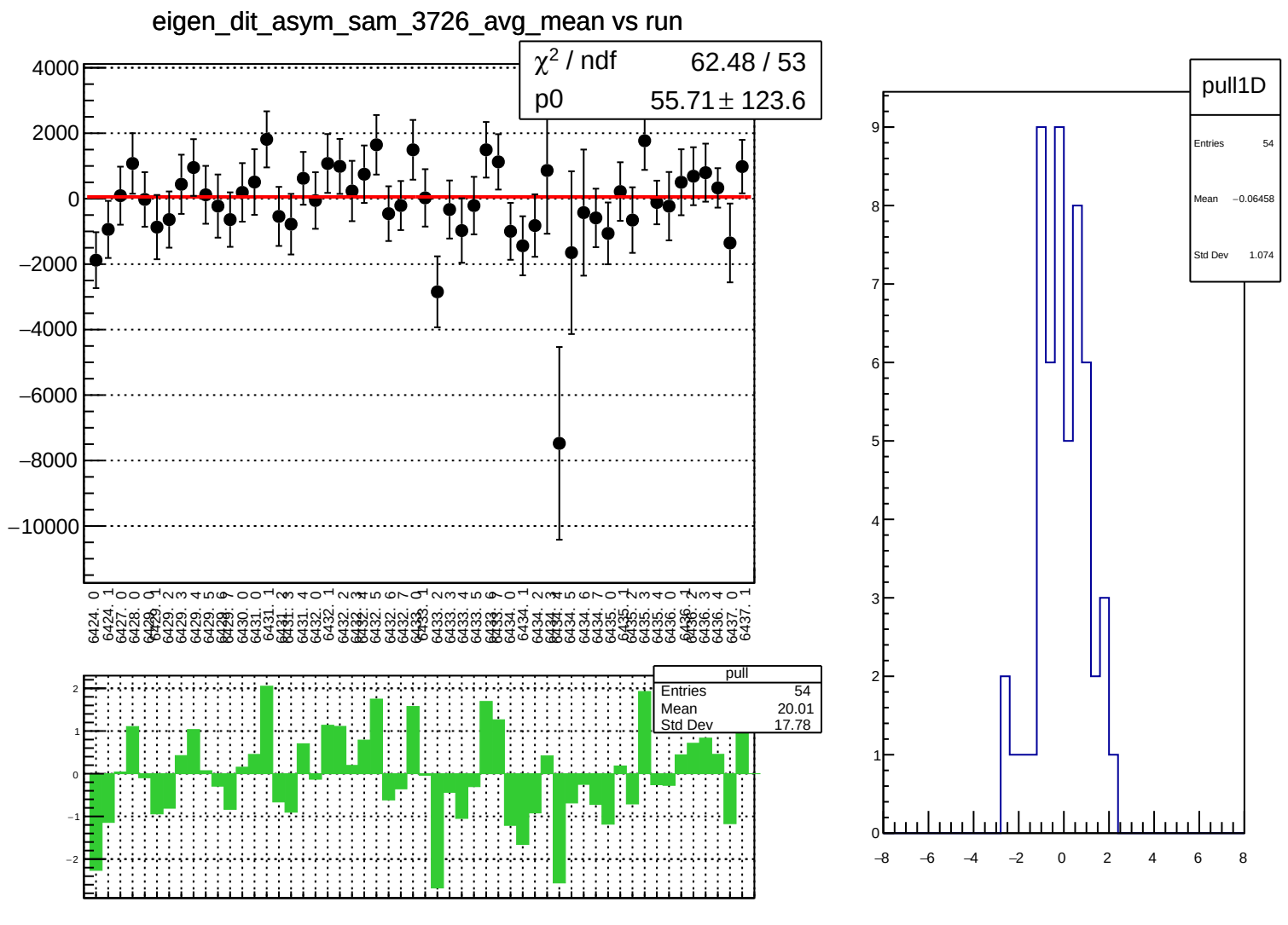
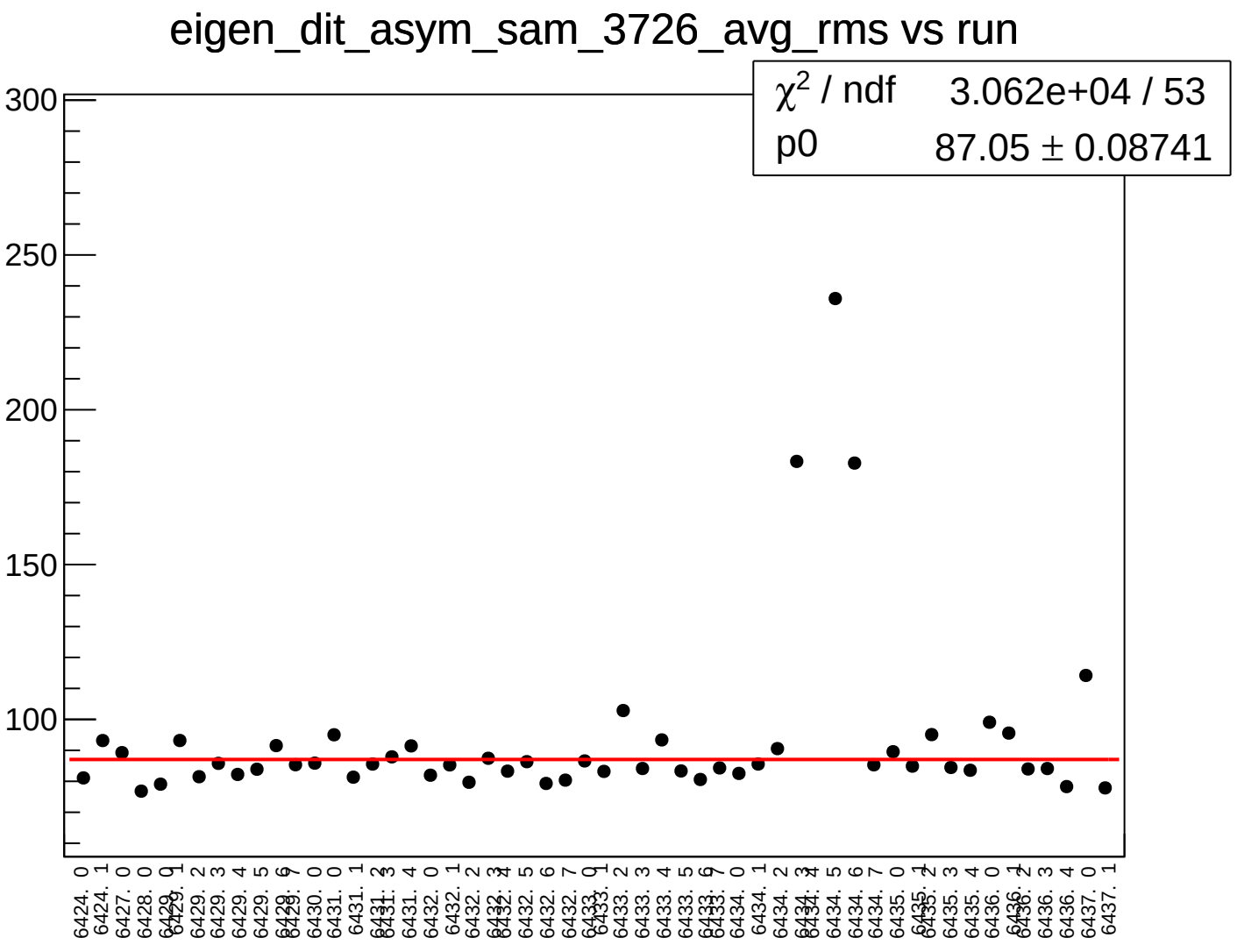
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 62.48 / 53
p0 55.71 ± 123.6
pull
Entries 54
Mean 20.01
Std Dev 17.78
pull1D
Entries 54
Mean −0.06458
Std Dev 1.074


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.062e+04 / 53
p0 87.05 ± 0.08741
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 1
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6435. 3
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6436. 0
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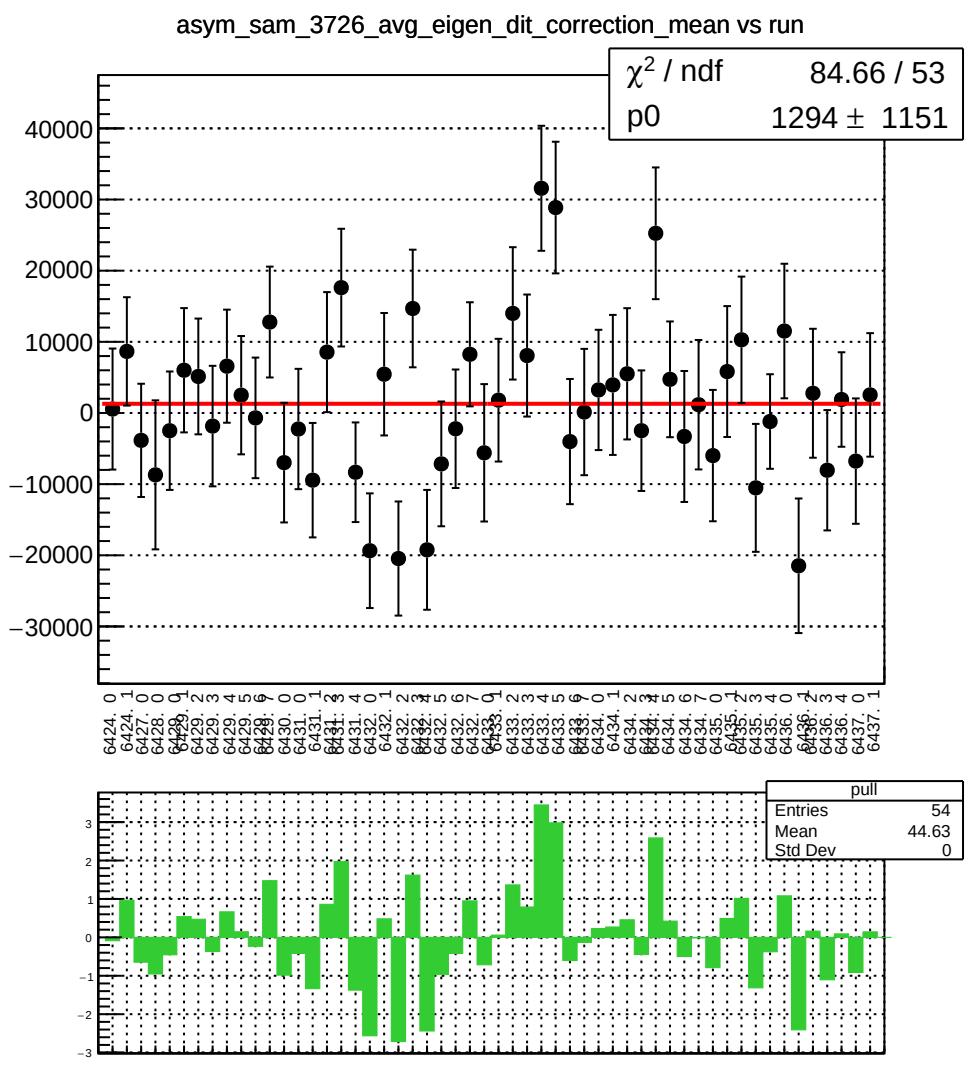
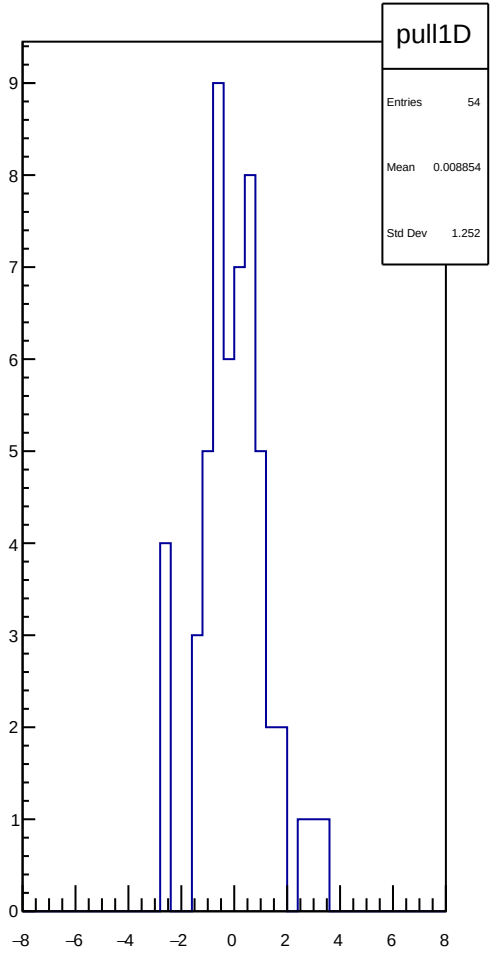
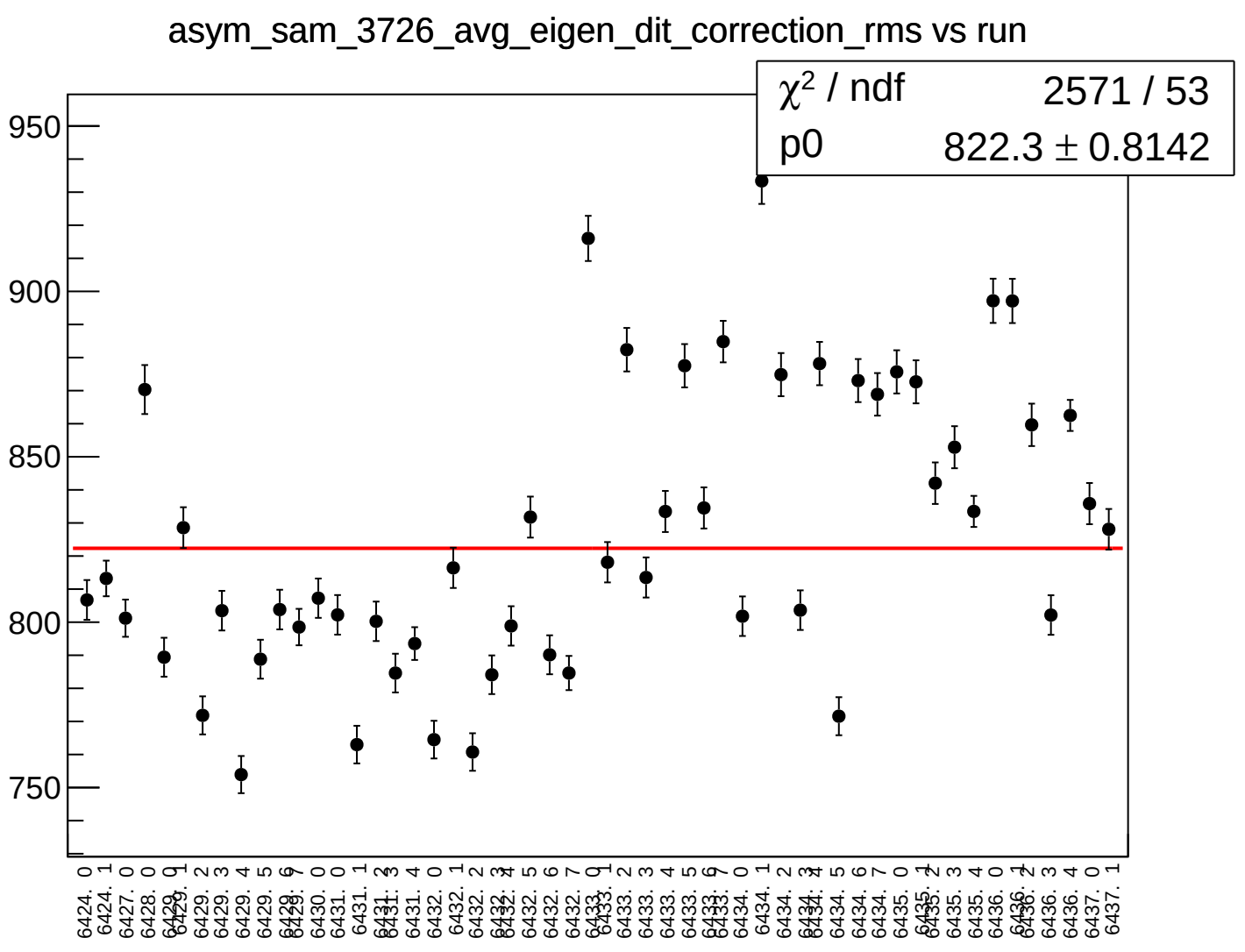
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.66 / 53
p0 1294 ± 1151
pull
Entries 54
Mean 44.63
Std Dev 0


pull1D
Entries 54
Mean 0.008854
Std Dev 1.252


asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2571 / 53
p0 822.3 ± 0.8142
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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6435. 3
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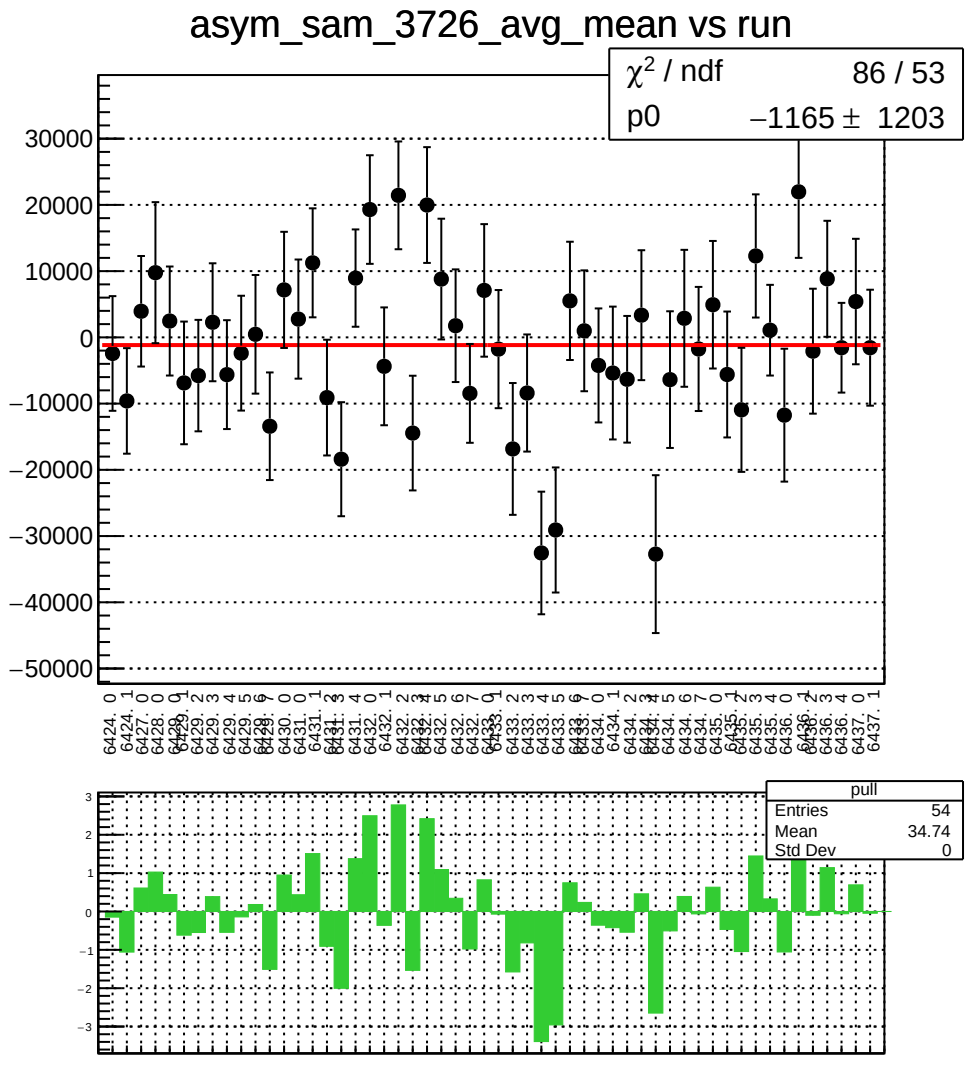
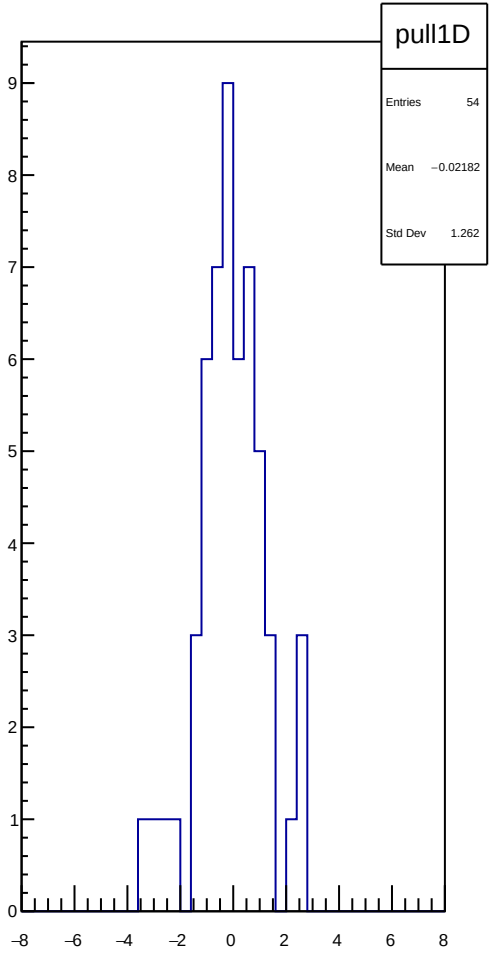
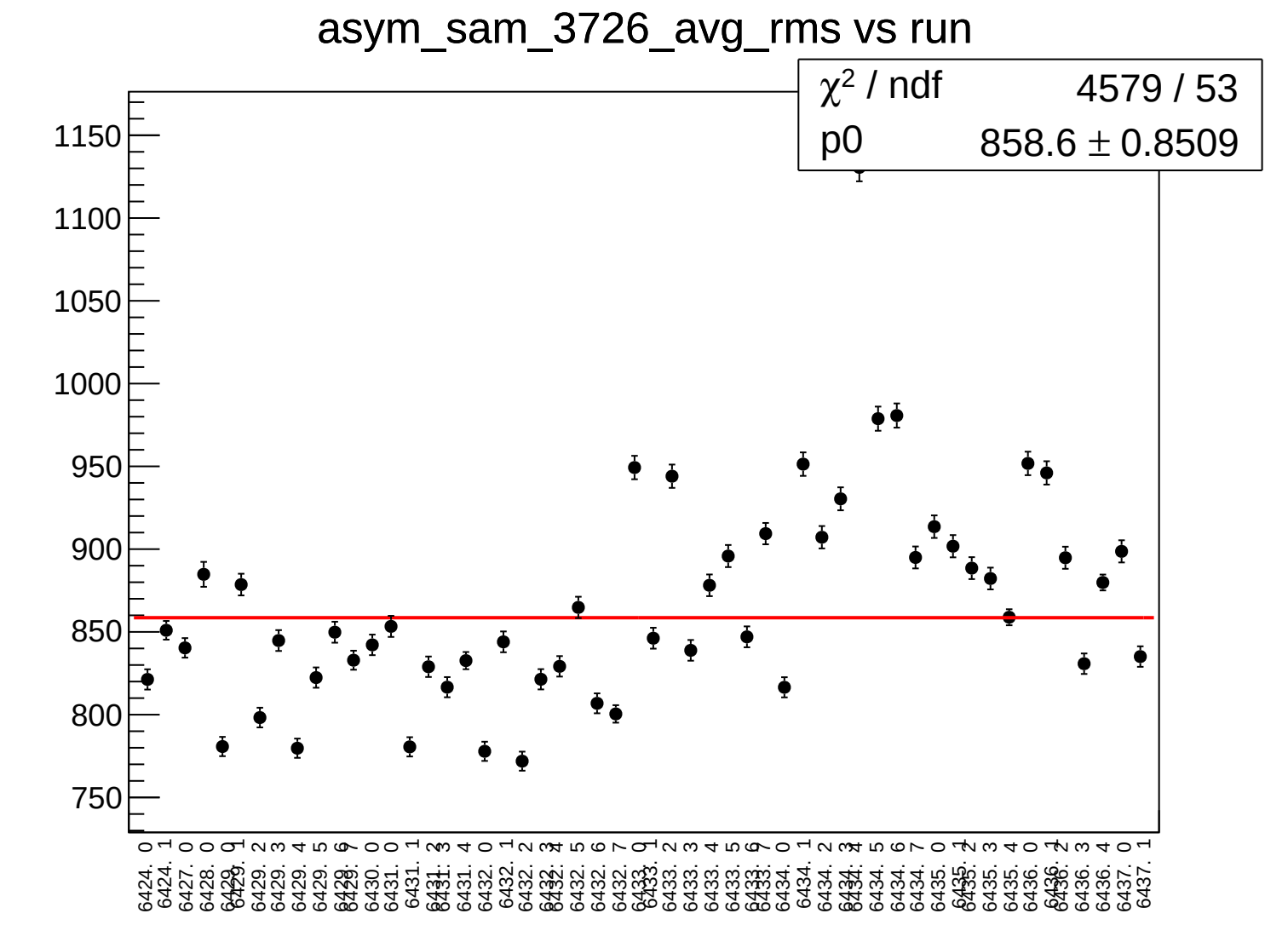
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_3726_avg_mean vs run
χ² / ndf 86 / 53
p0 −1165 ± 1203
pull
Entries 54
Mean 34.74
Std Dev 0


pull1D
Entries 54
Mean −0.02182
Std Dev 1.262


asym_sam_3726_avg_rms vs run
χ² / ndf 4579 / 53
p0 858.6 ± 0.8509
1150
1100
1050
1000
950
900
850
800
750
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
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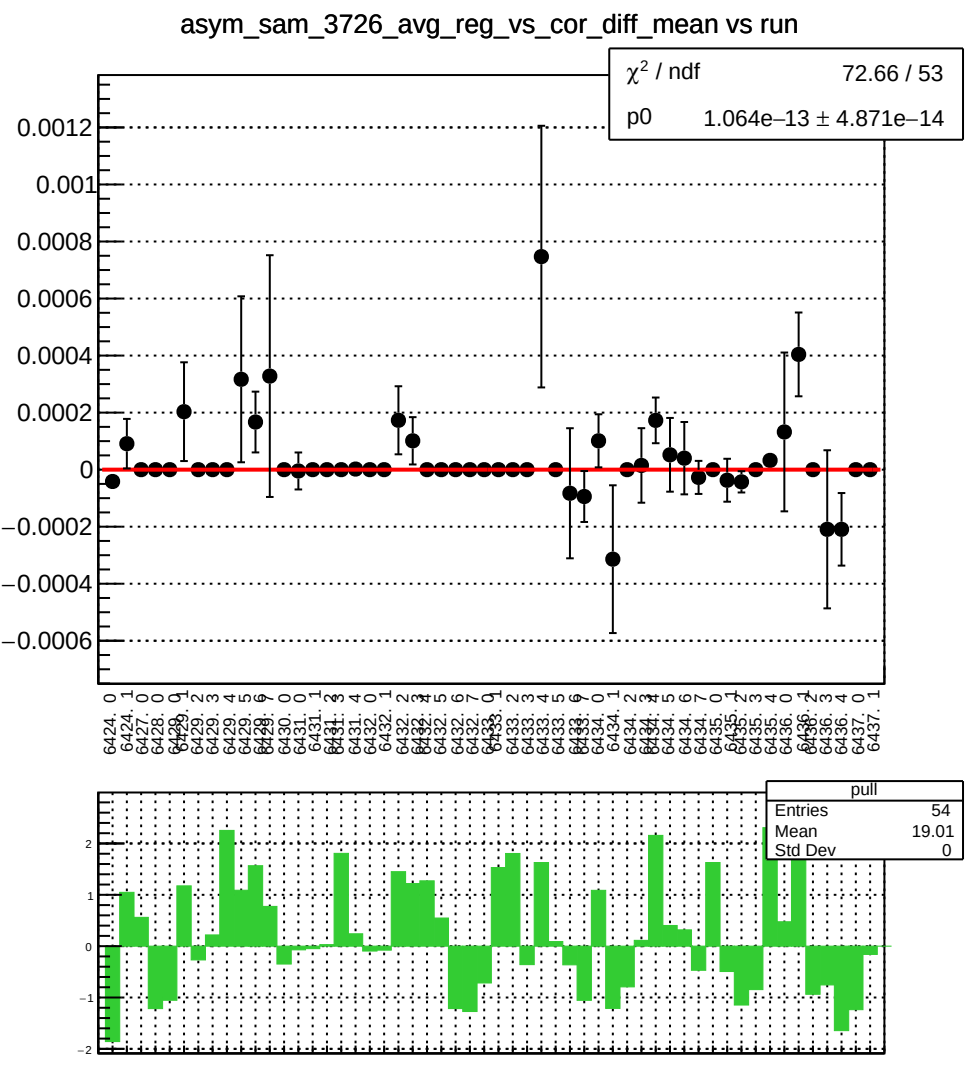
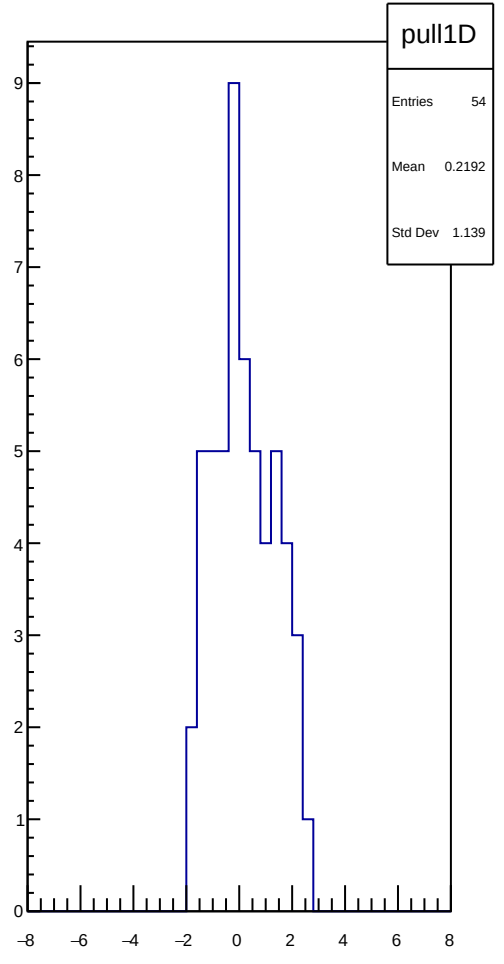
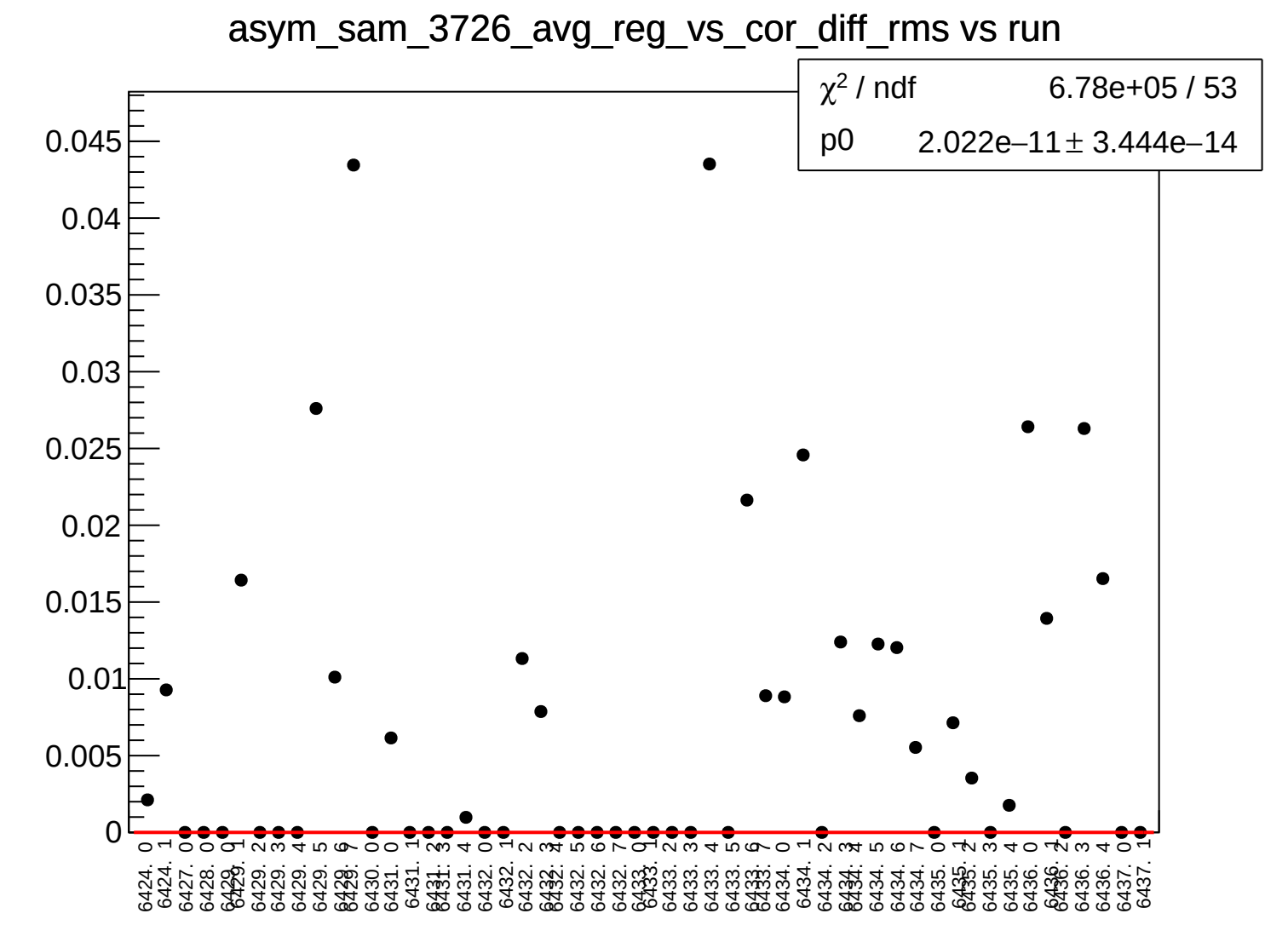
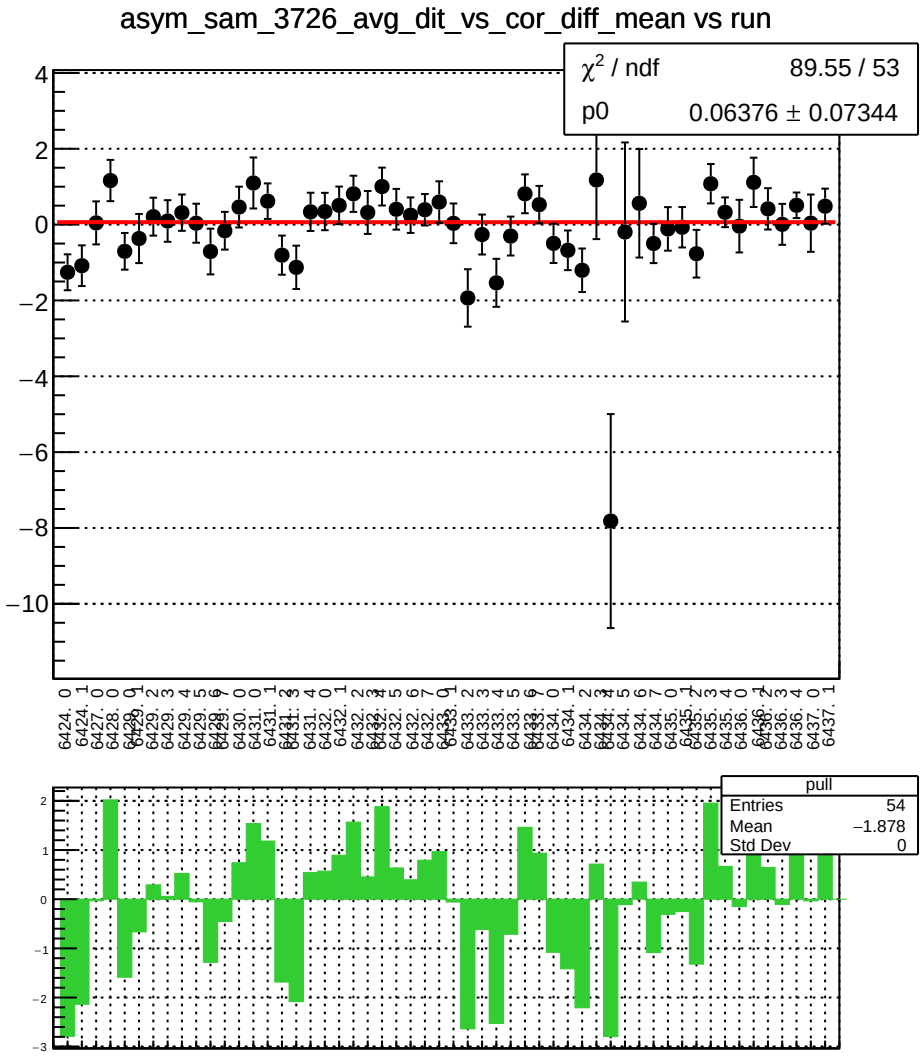
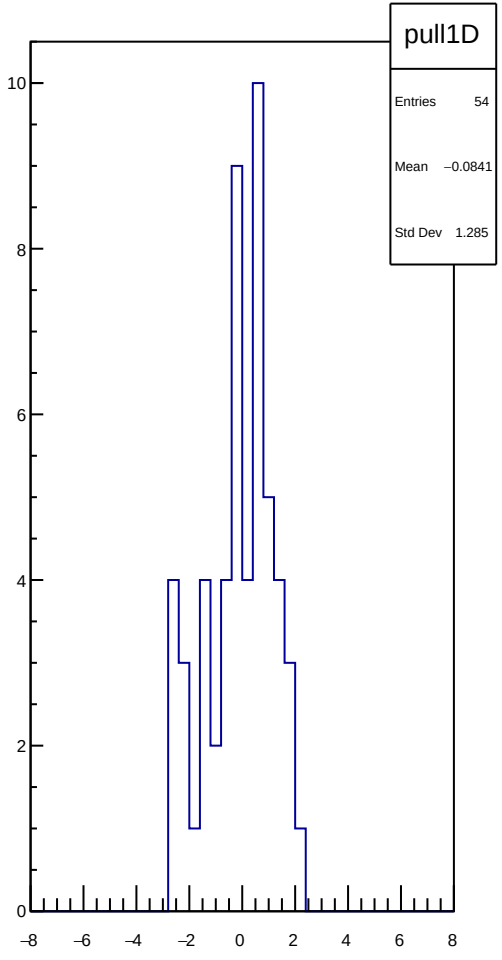
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

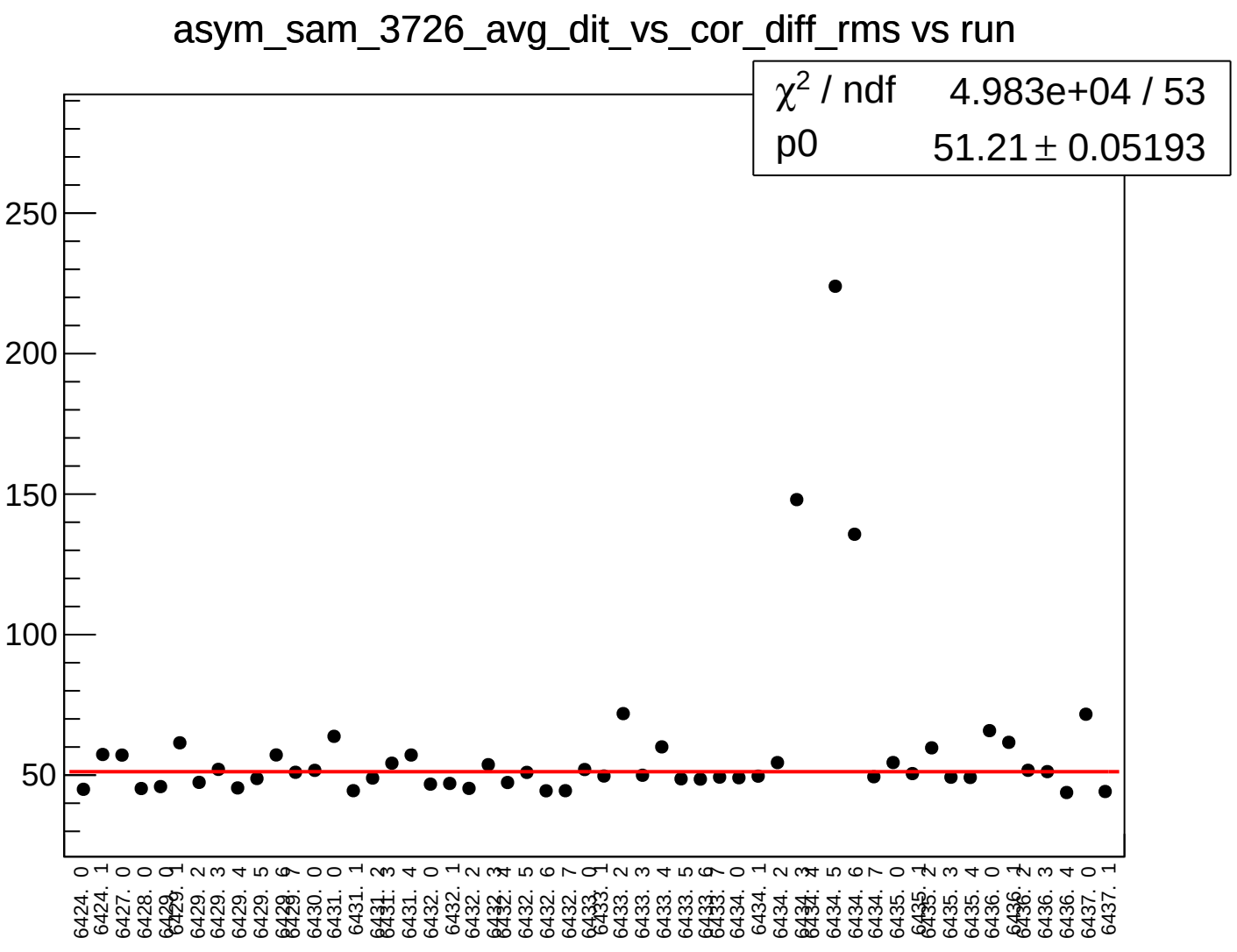

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 53
p0 1.064e−13 ± 4.871e−14
pull
Entries 54
Mean 19.01
Std Dev 0

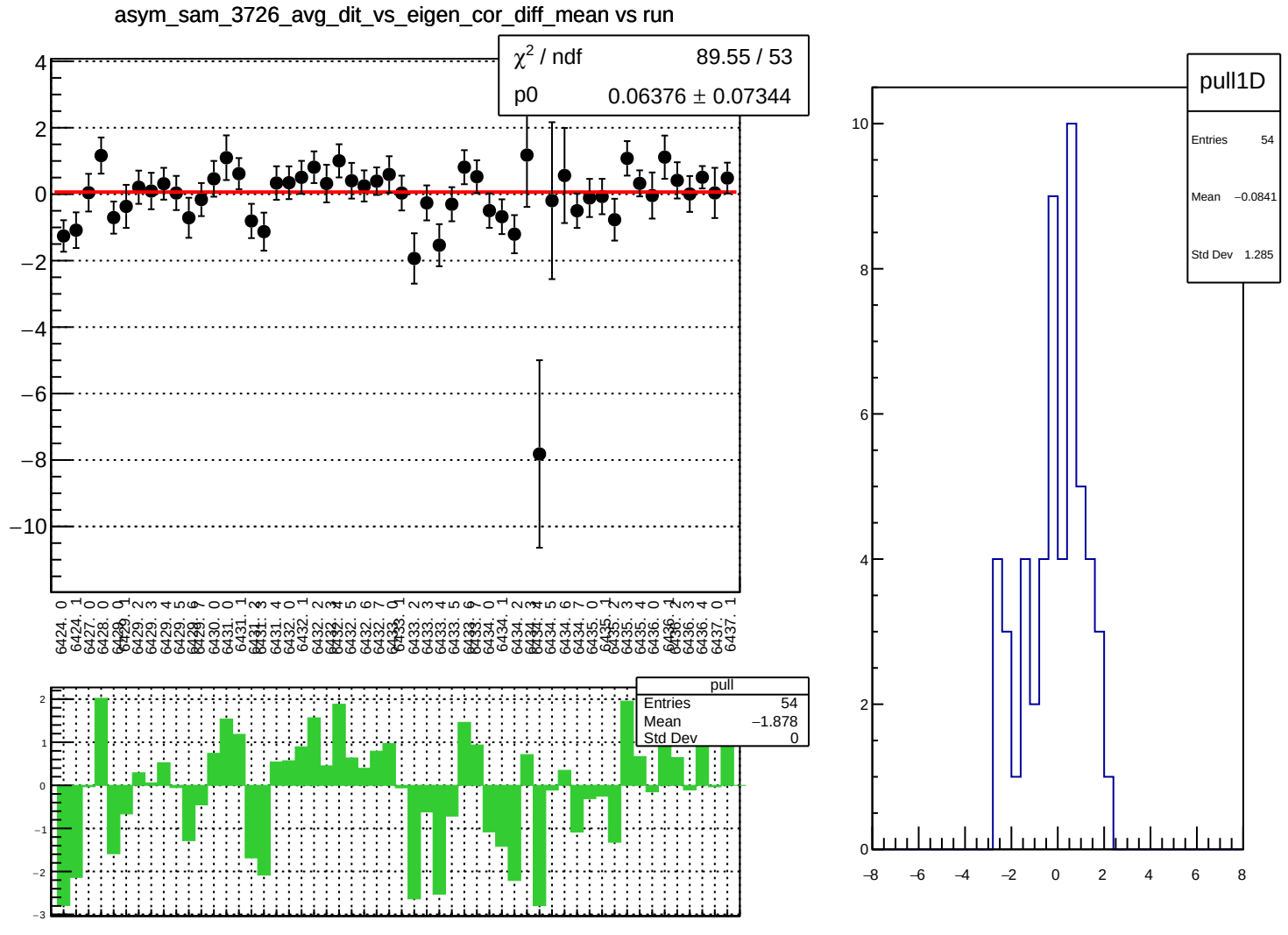

pull1D
Entries 54
Mean 0.2192
Std Dev 1.139

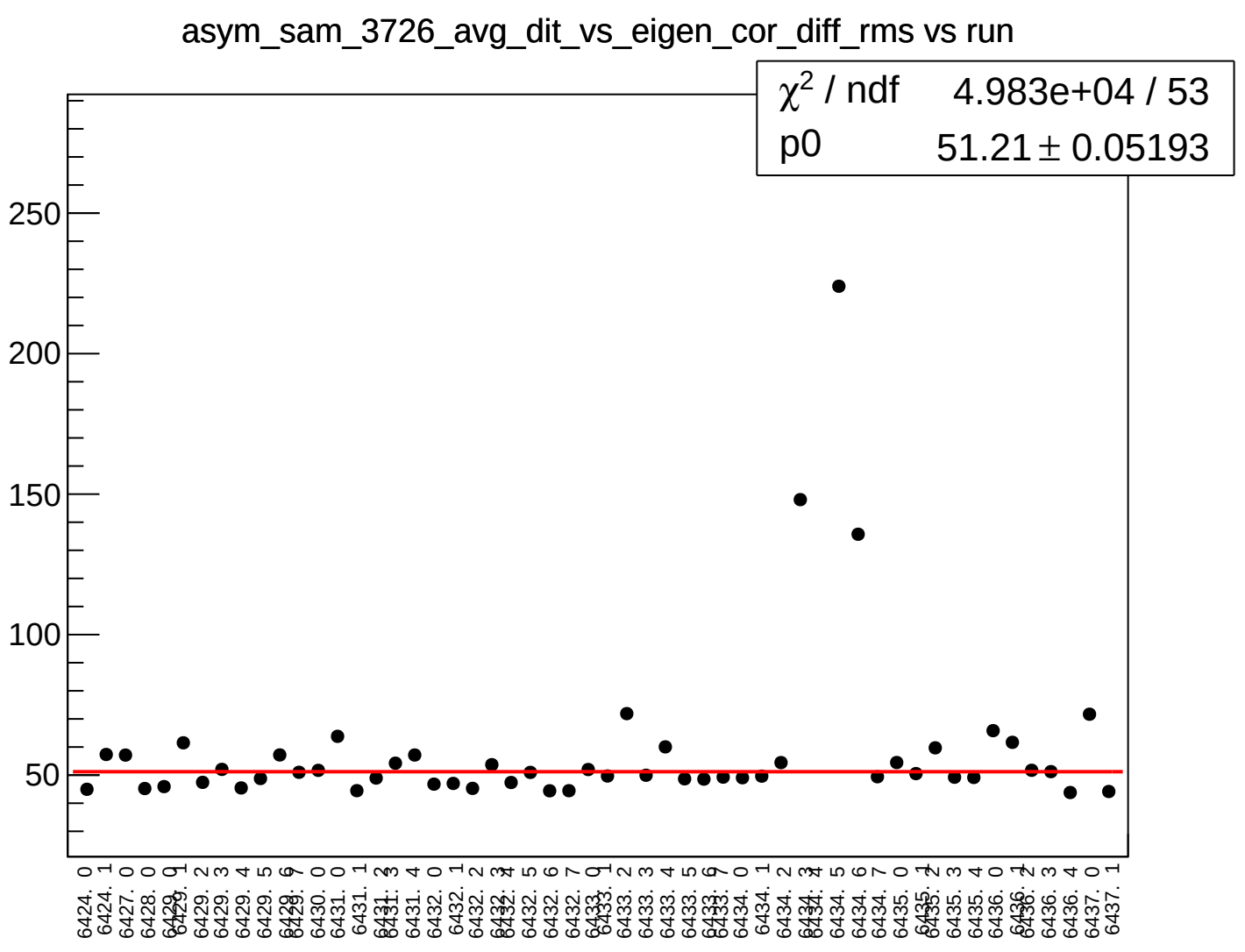

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.78e+05 / 53
p0 2.022e−11 ± 3.444e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

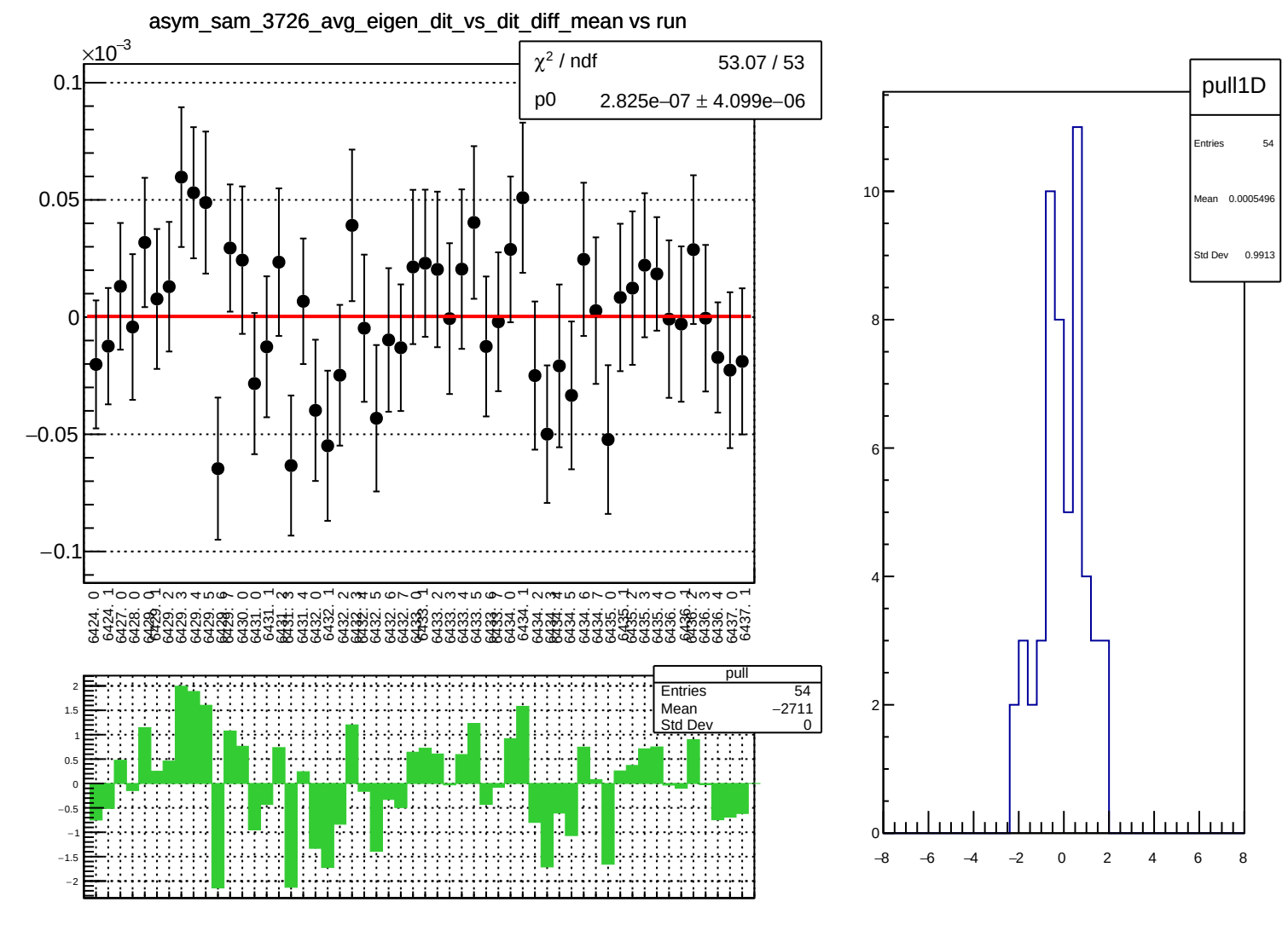

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 89.55 / 53
p0 0.06376 ± 0.07344
pull
Entries 54
Mean −1.878
Std Dev 0

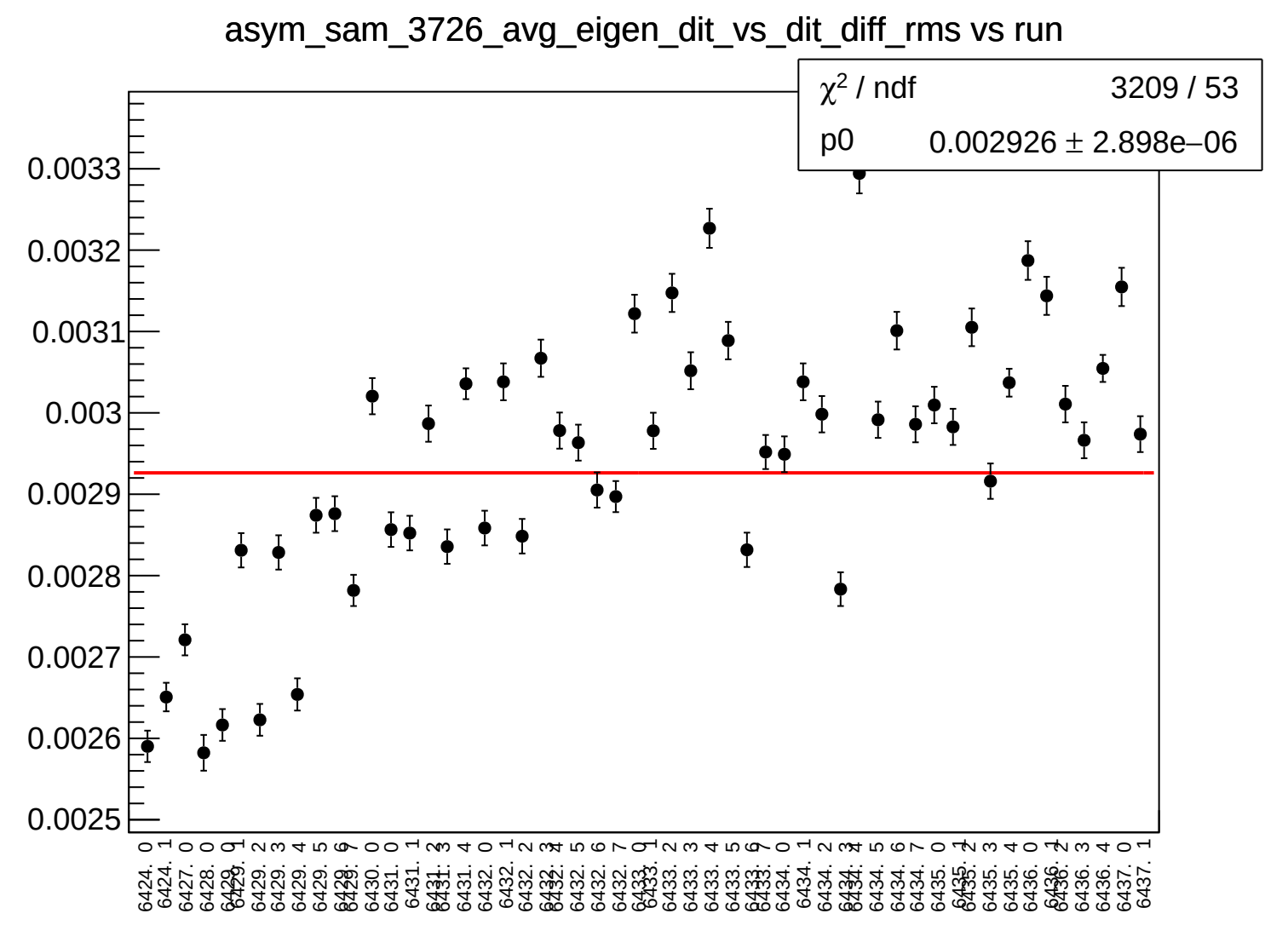

pull1D
Entries 54
Mean −0.0841
Std Dev 1.285

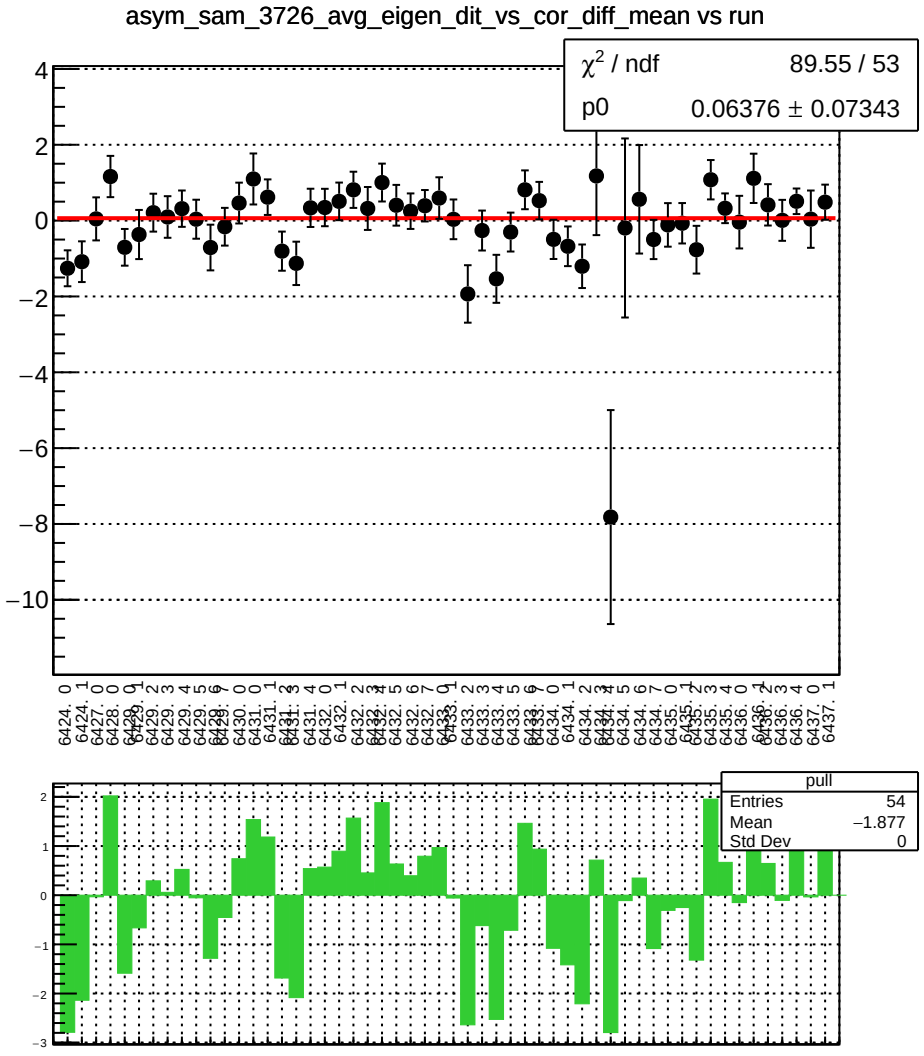

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.983e+04 / 53
p0 51.21 ± 0.05193
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

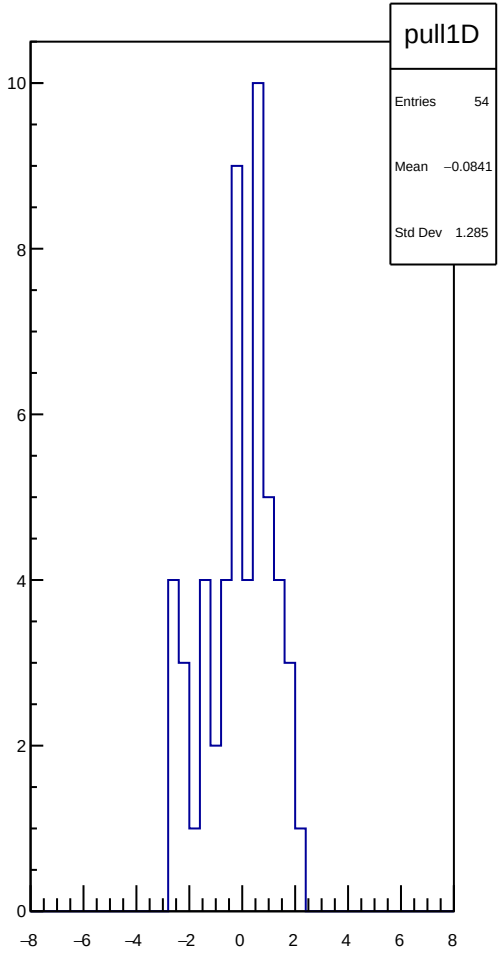

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.55 / 53
p0 0.06376 ± 0.07344
pull
Entries 54
Mean −1.878
Std Dev 0
pull1D
Entries 54
Mean −0.0841
Std Dev 1.285

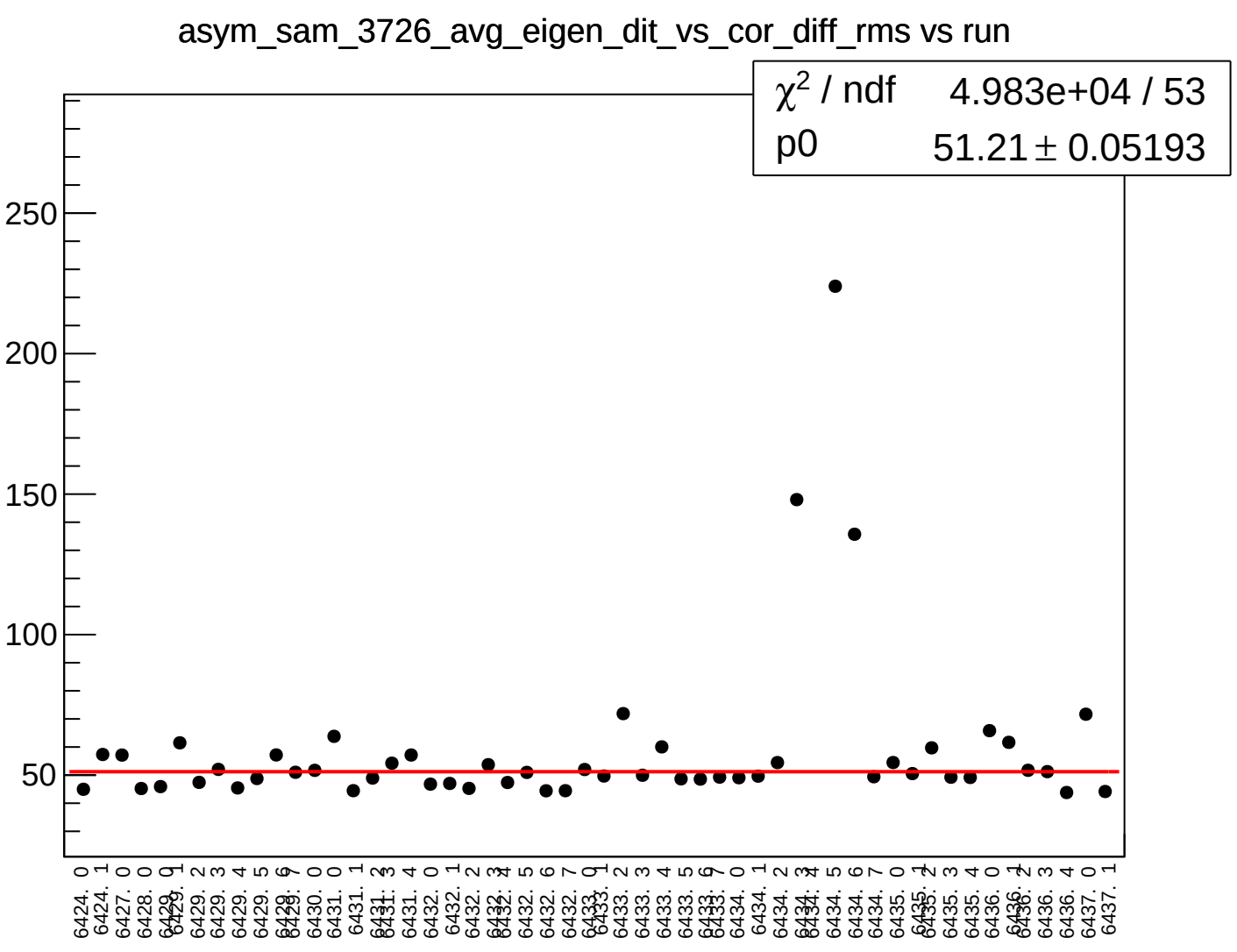

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 4.983e+04 / 53
p0 51.21 ± 0.05193
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

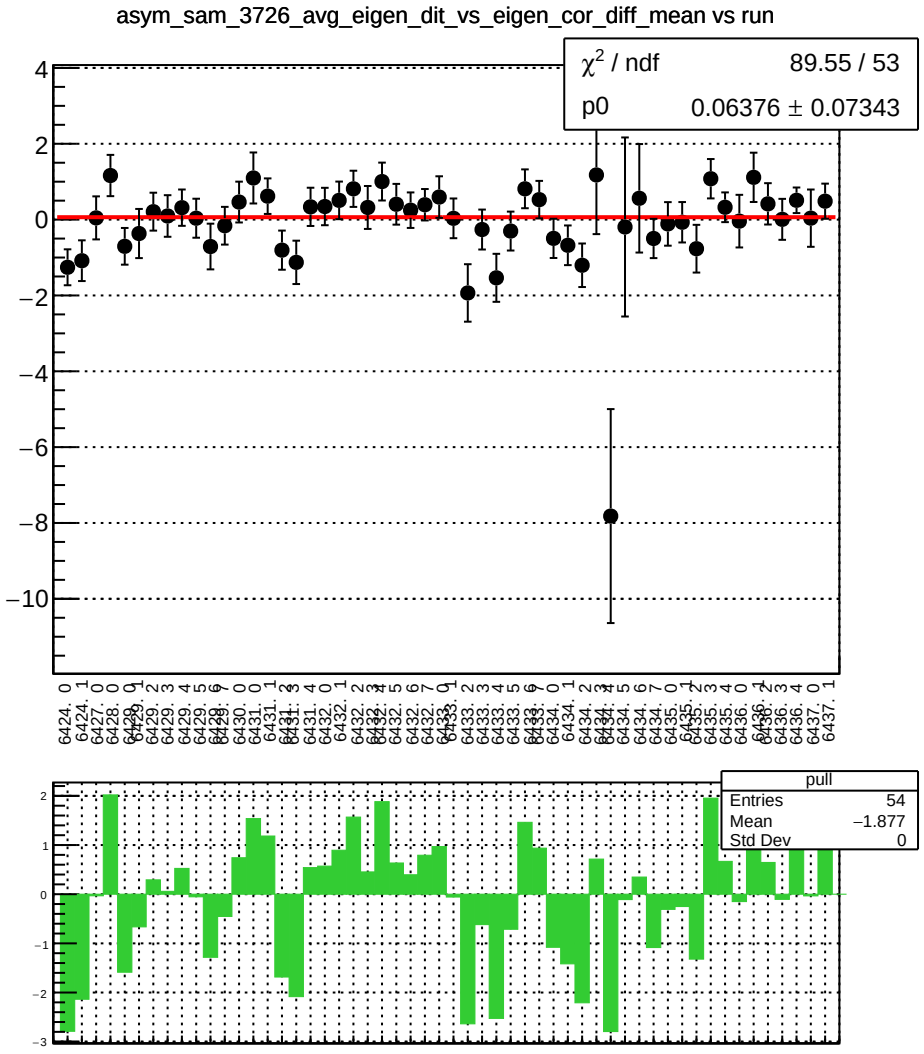

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 53.07 / 53
p0 2.825e−07 ± 4.099e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean −2711
Std Dev 0
pull1D
Entries 54
Mean 0.0005496
Std Dev 0.9913

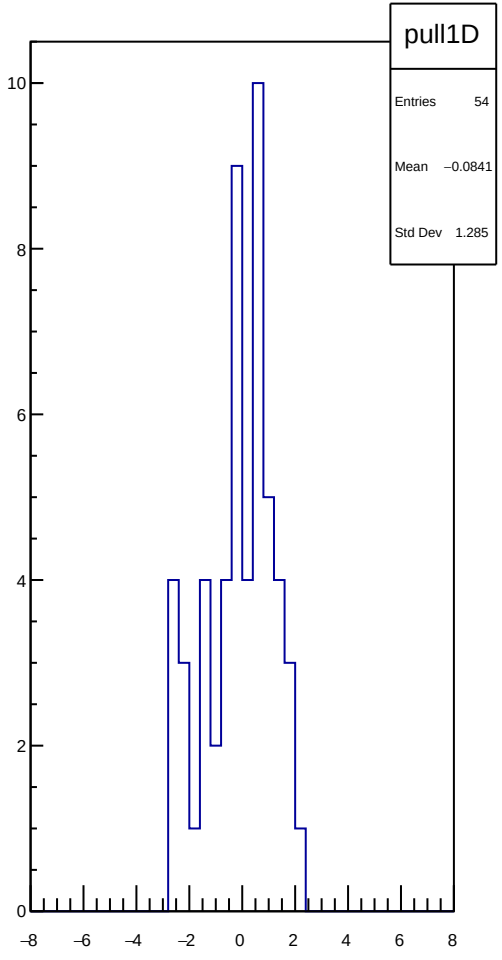

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3209 / 53
p0 0.002926 ± 2.898e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

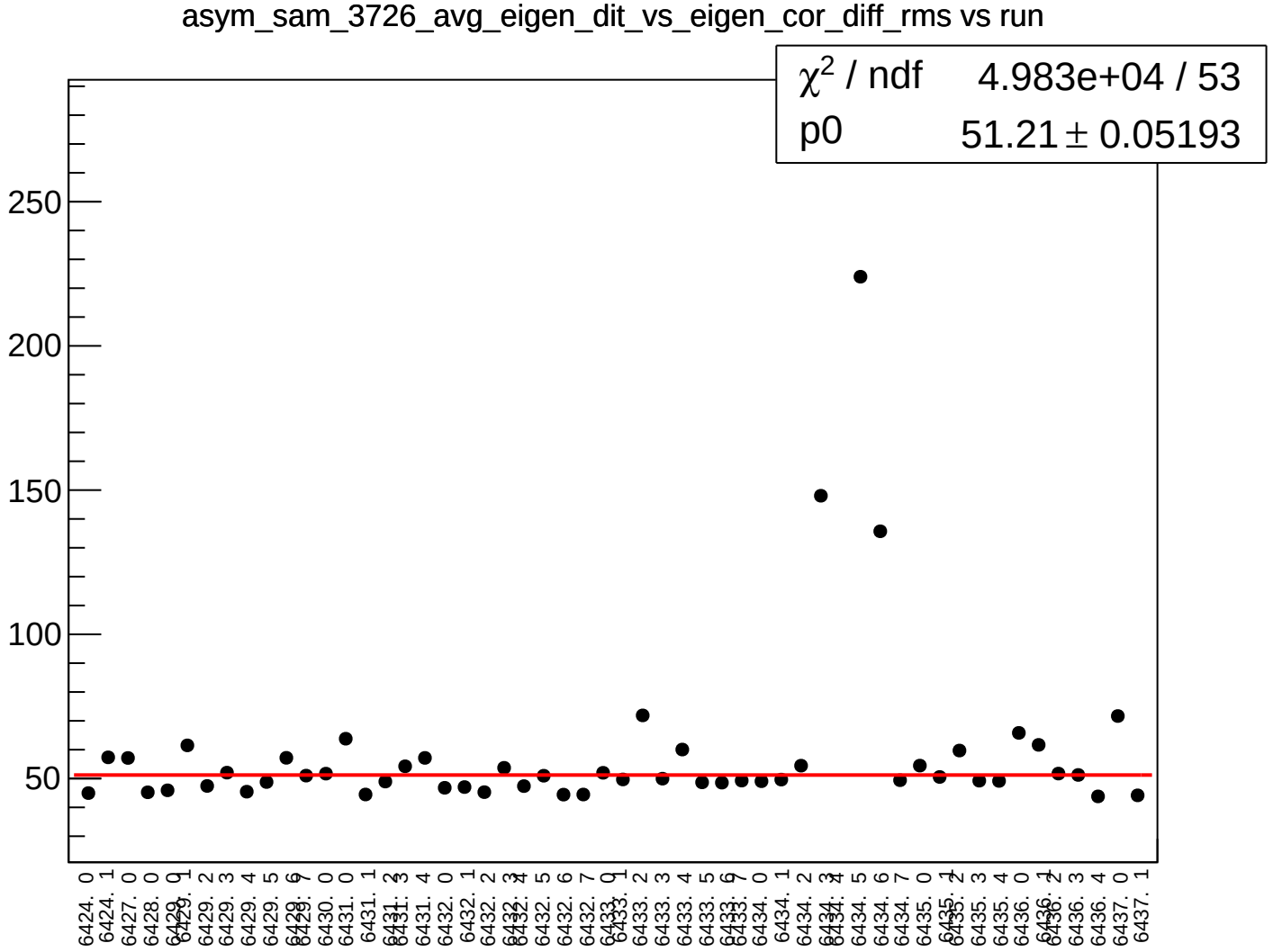

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.55 / 53
p0 0.06376 ± 0.07343
pull
Entries 54
Mean −1.877
Std Dev 0

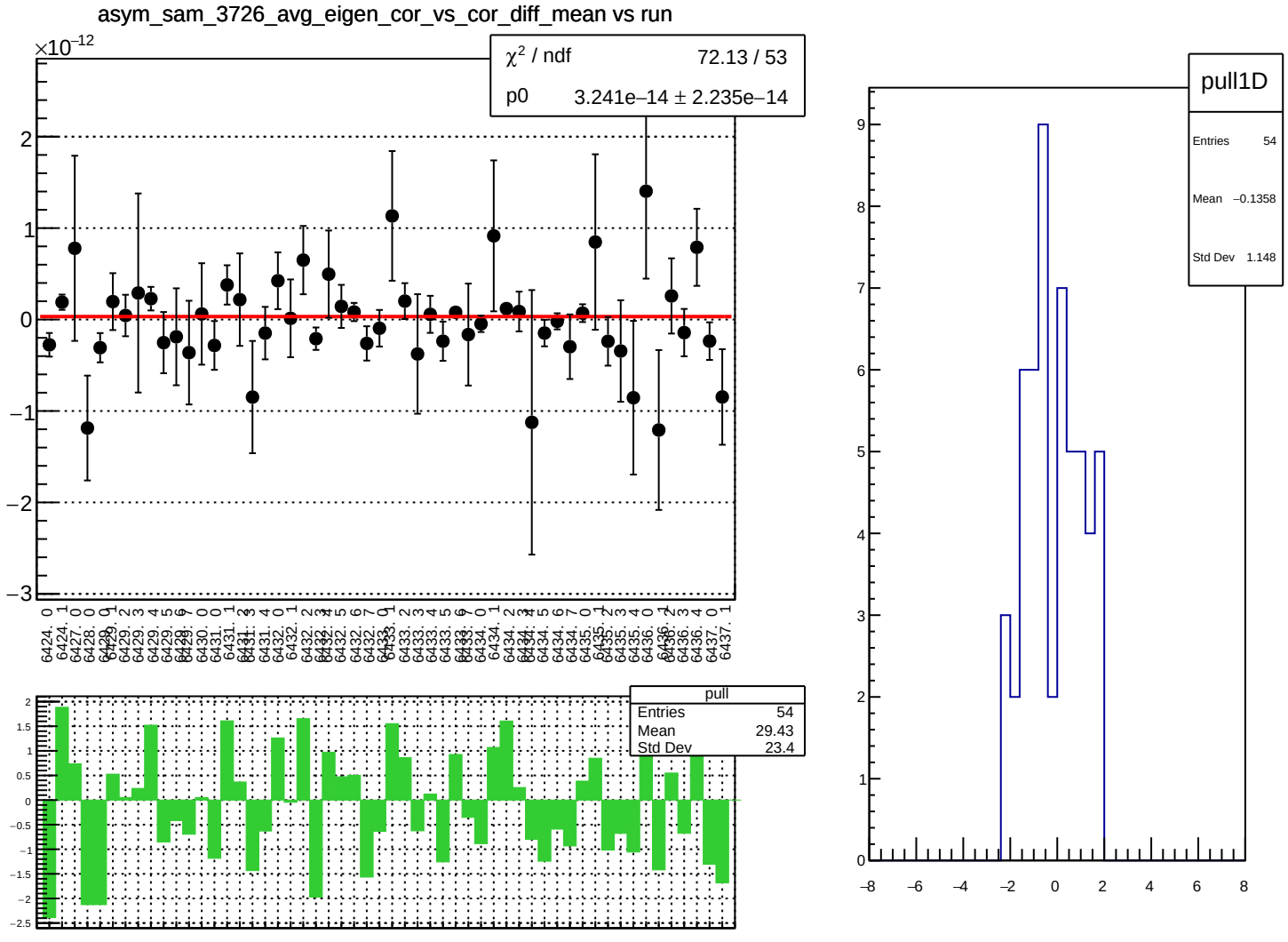

pull1D
Entries 54
Mean −0.0841
Std Dev 1.285

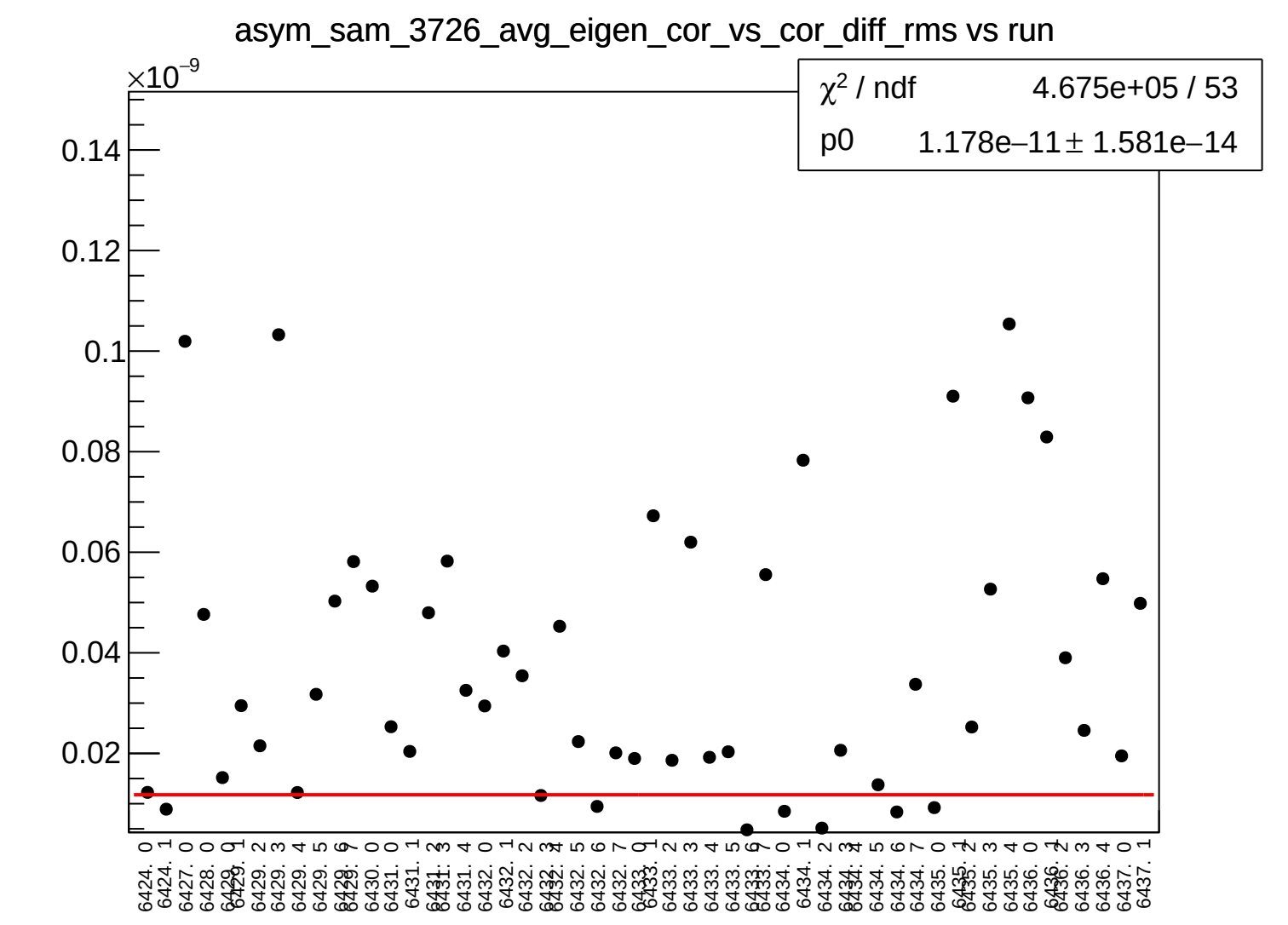

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.983e+04 / 53
p0 51.21 ± 0.05193
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

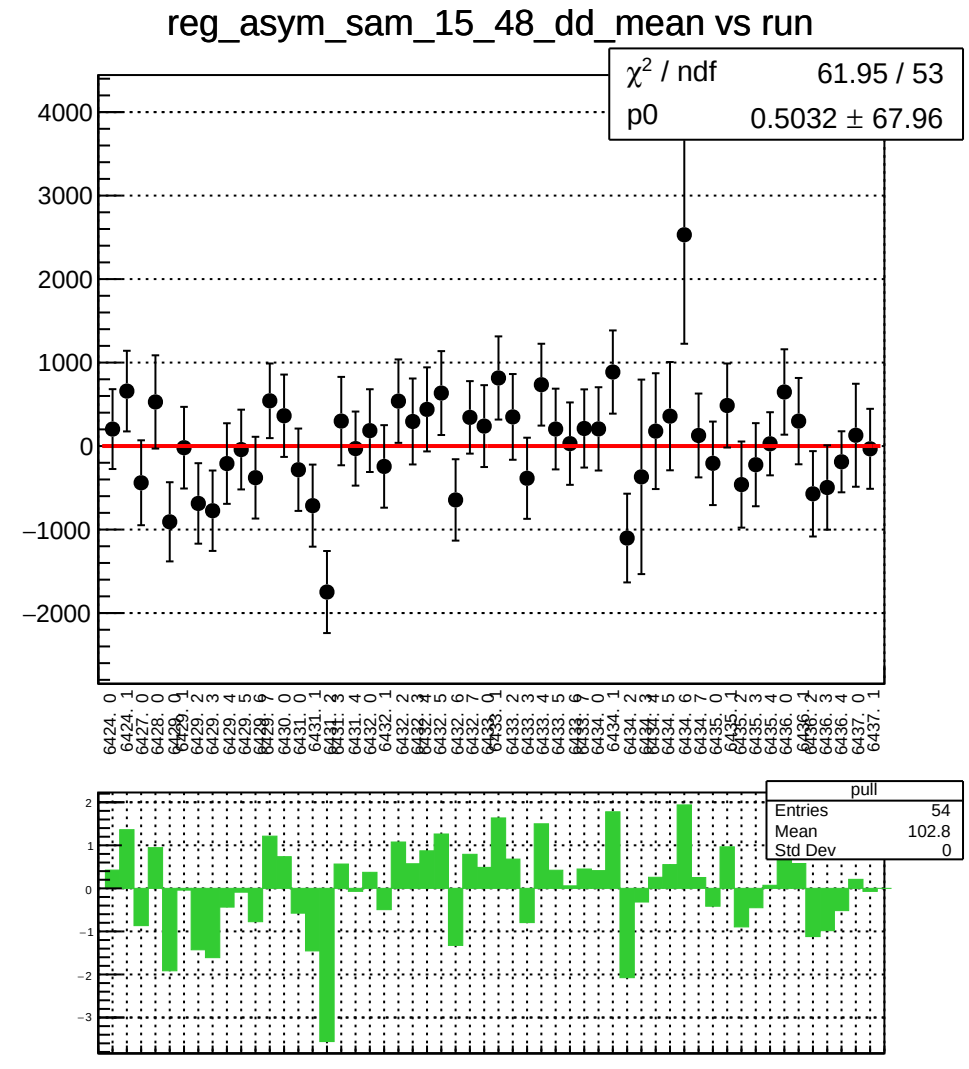

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.55 / 53
p0 0.06376 ± 0.07343
pull
Entries 54
Mean −1.877
Std Dev 0

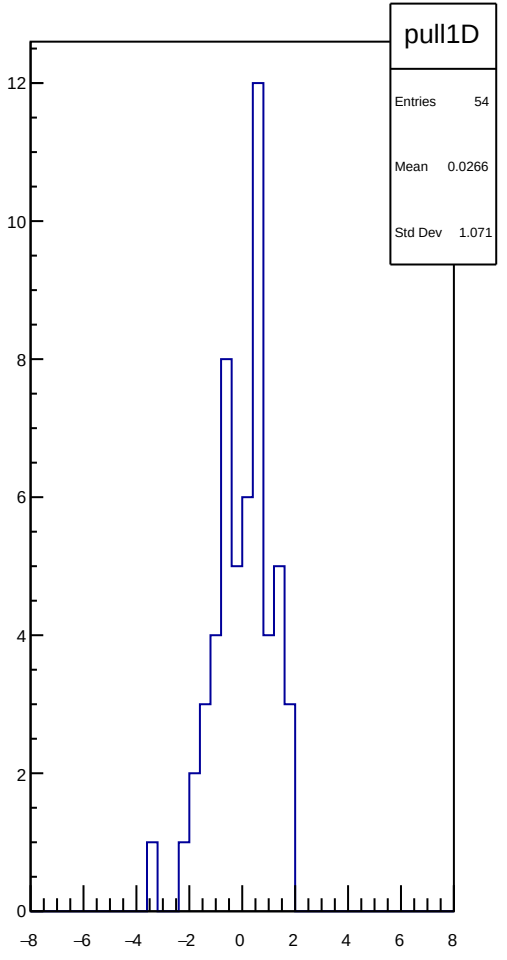

pull1D
Entries 54
Mean −0.0841
Std Dev 1.285

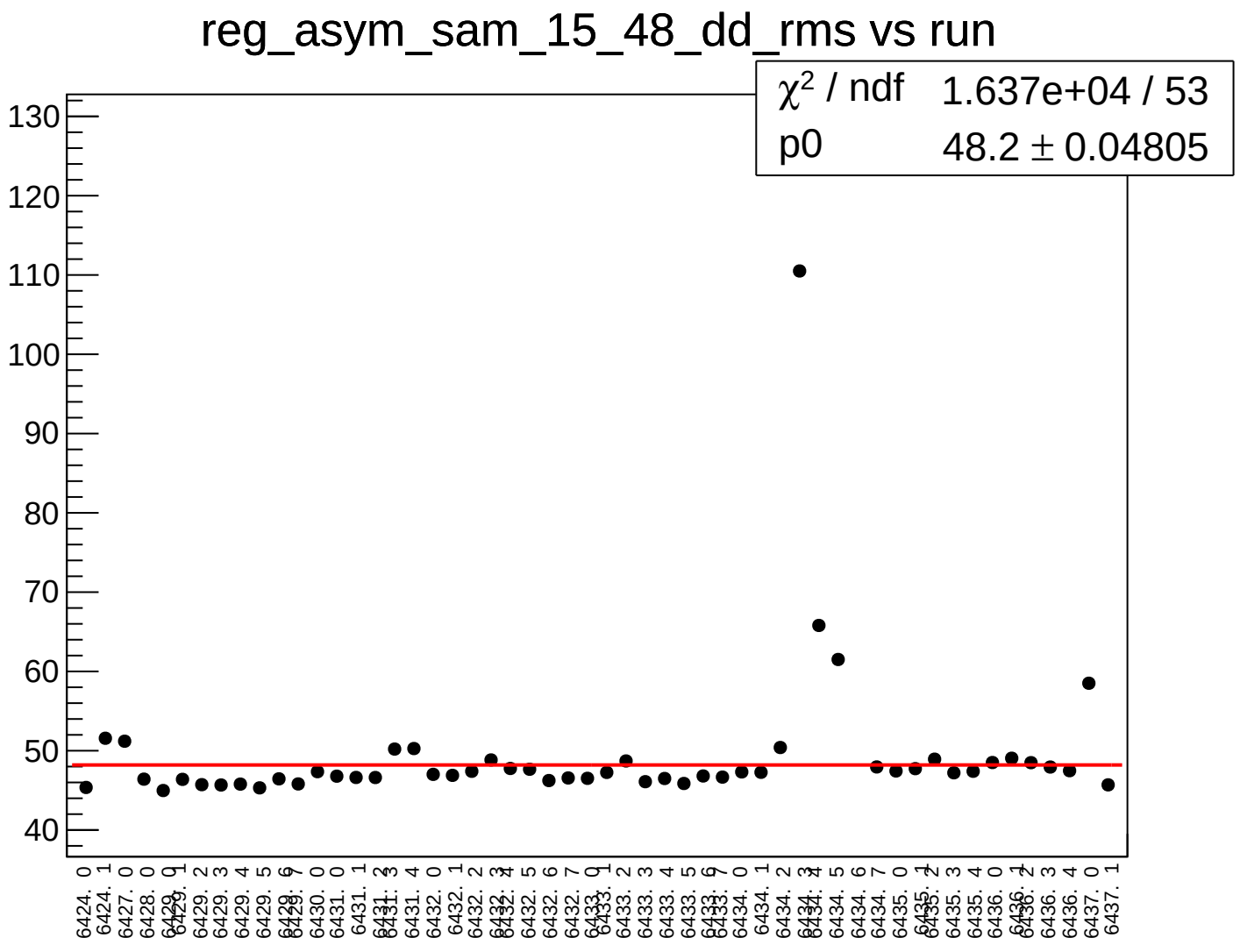

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.983e+04 / 53
p0 51.21 ± 0.05193
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

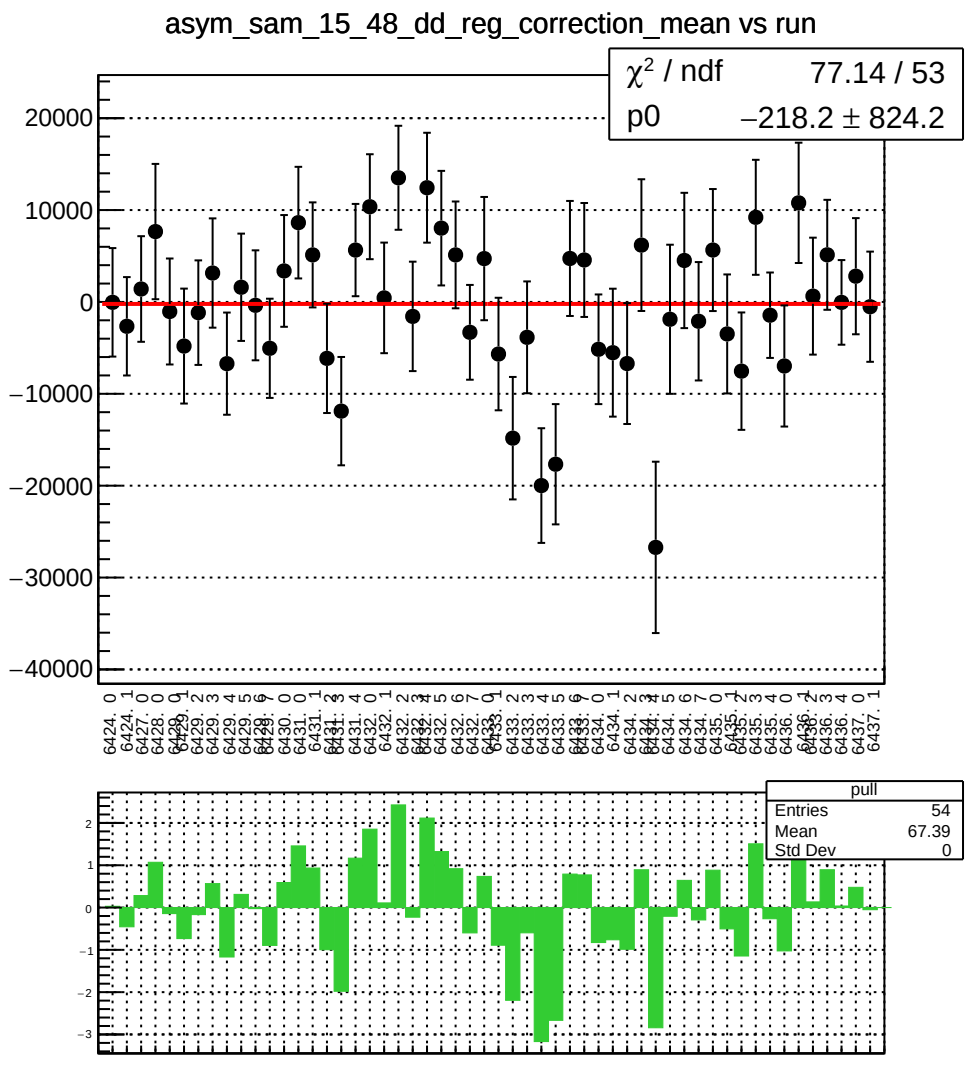

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.13 / 53
p0 3.241e−14 ± 2.235e−14
pull
Entries 54
Mean 29.43
Std Dev 23.4
pull1D
Entries 54
Mean −0.1358
Std Dev 1.148

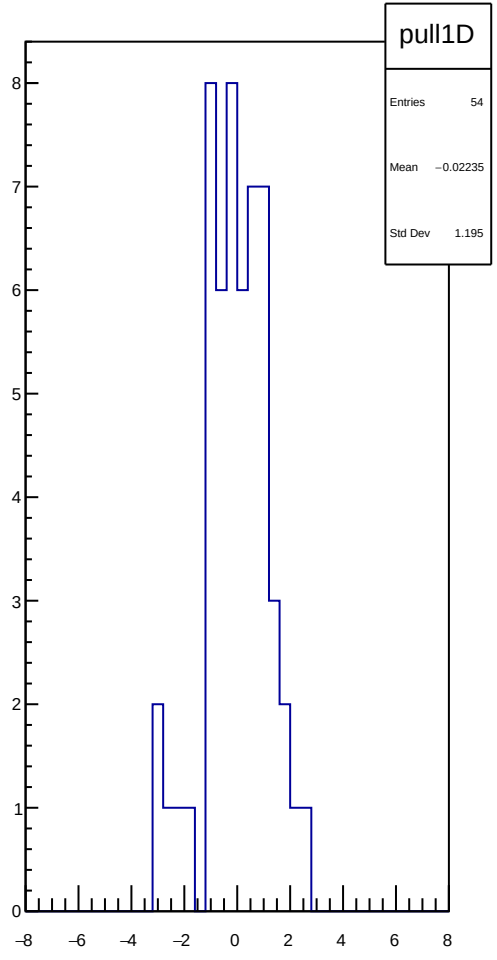

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.675e+05 / 53
p0 1.178e−11 ± 1.581e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

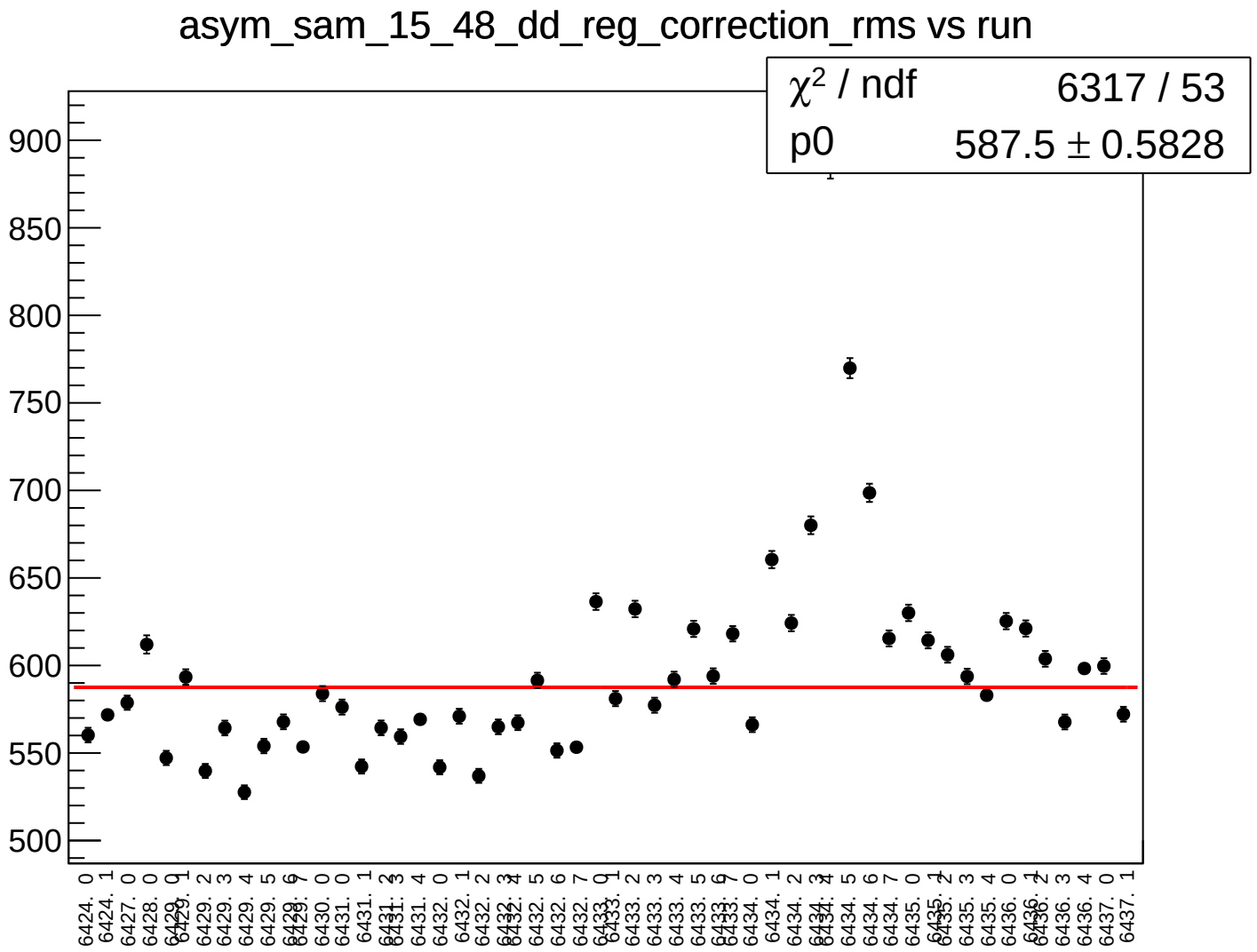

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 61.95 / 53
p0 0.5032 ± 67.96
pull
Entries 54
Mean 102.8
Std Dev 0

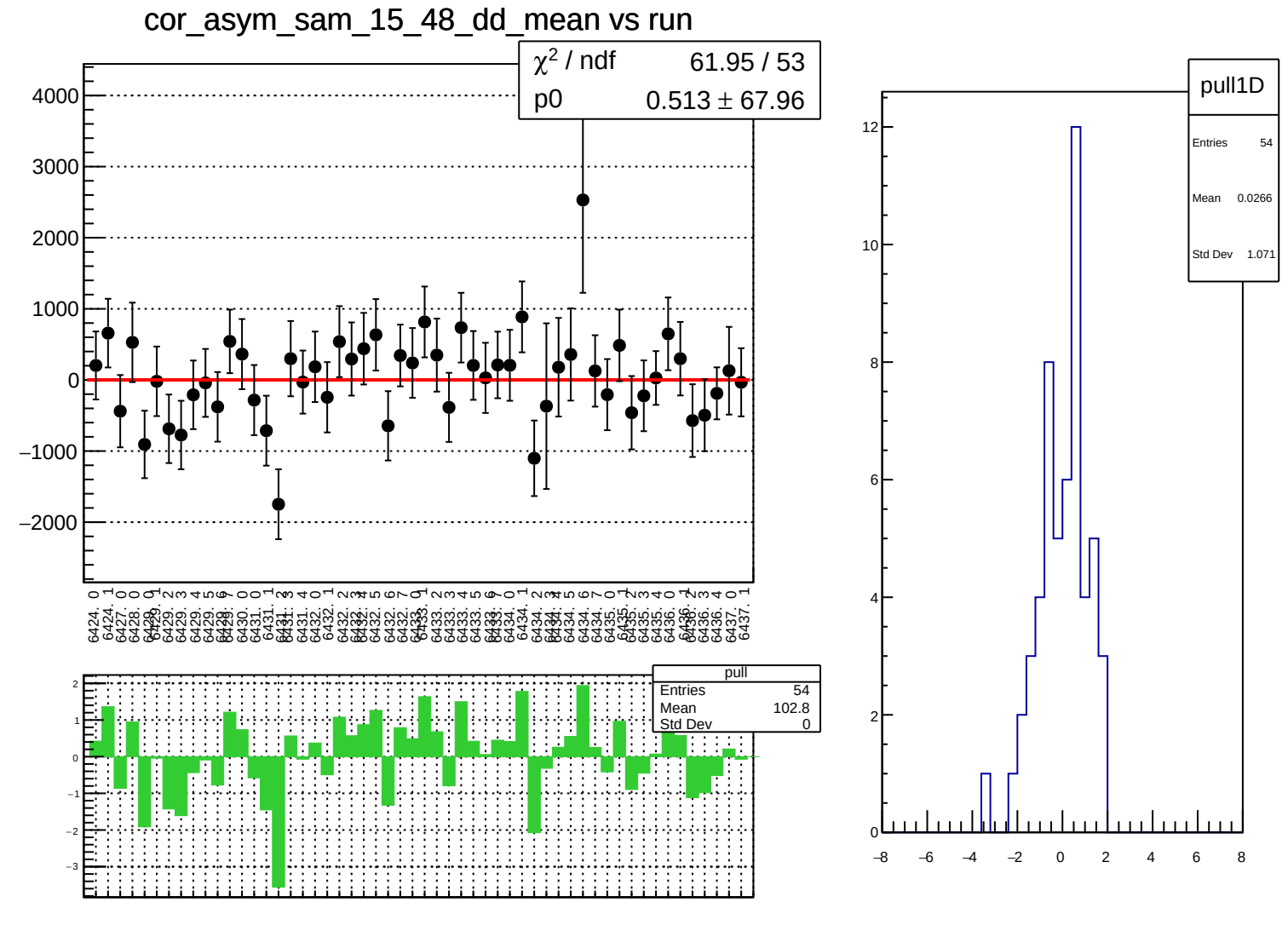

pull1D
Entries 54
Mean 0.0266
Std Dev 1.071

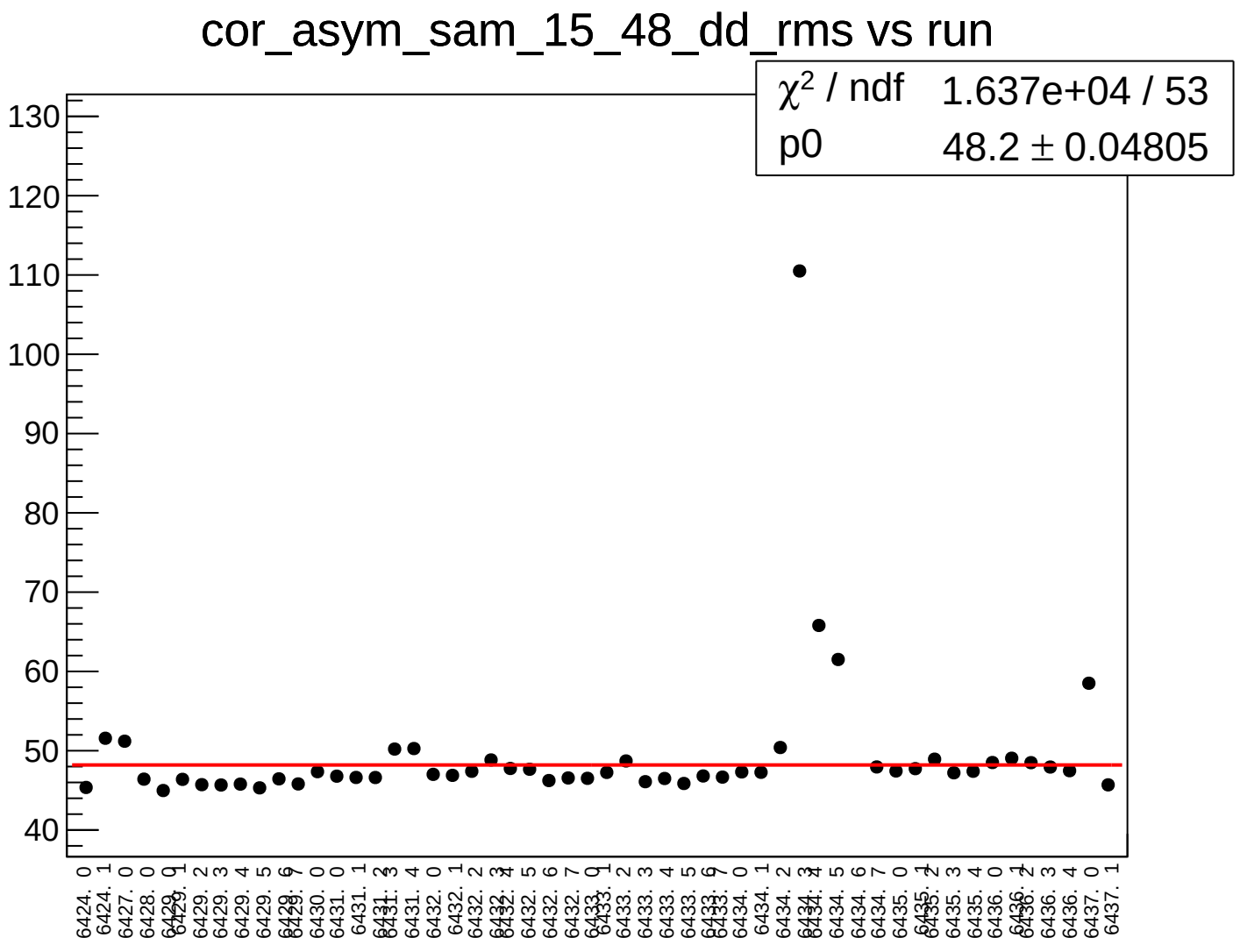

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.637e+04 / 53
p0 48.2 ± 0.04805
130
120
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

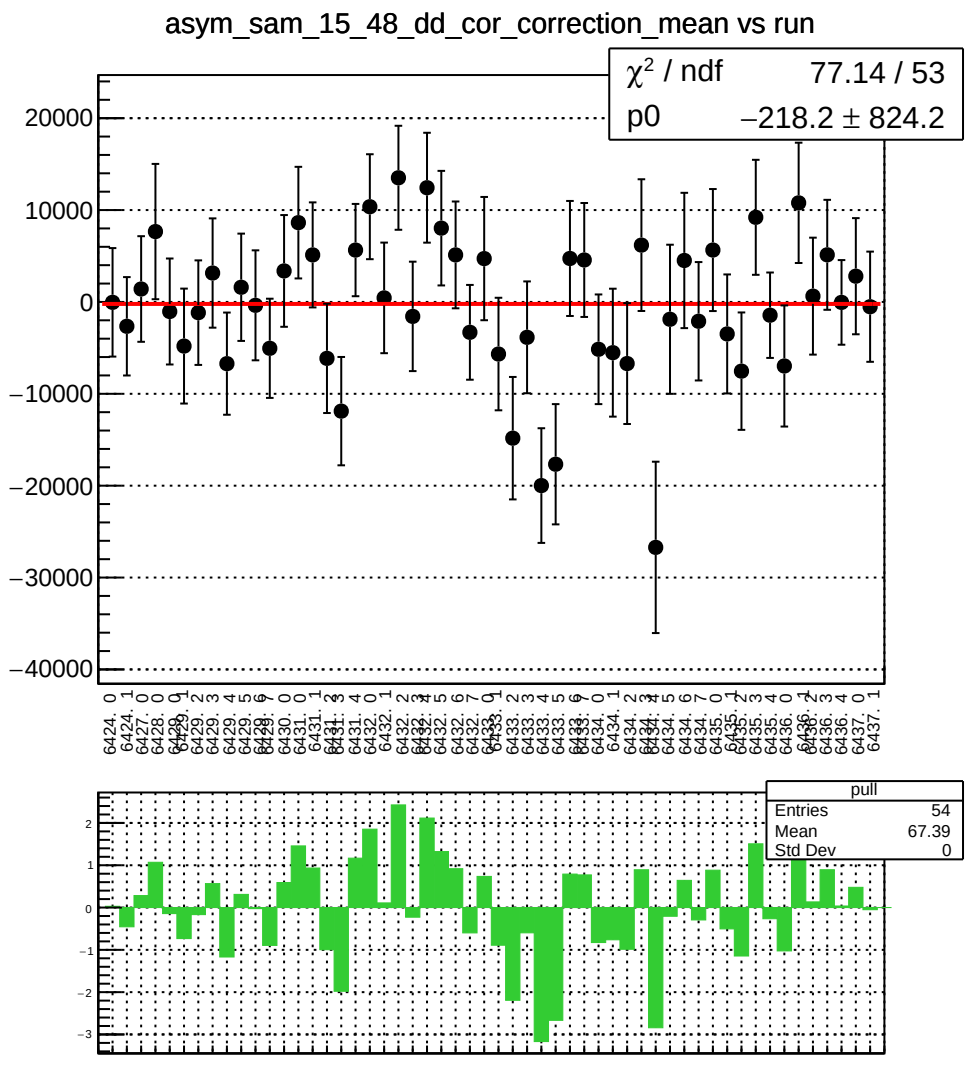

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 77.14 / 53
p0 −218.2 ± 824.2
pull
Entries 54
Mean 67.39
Std Dev 0

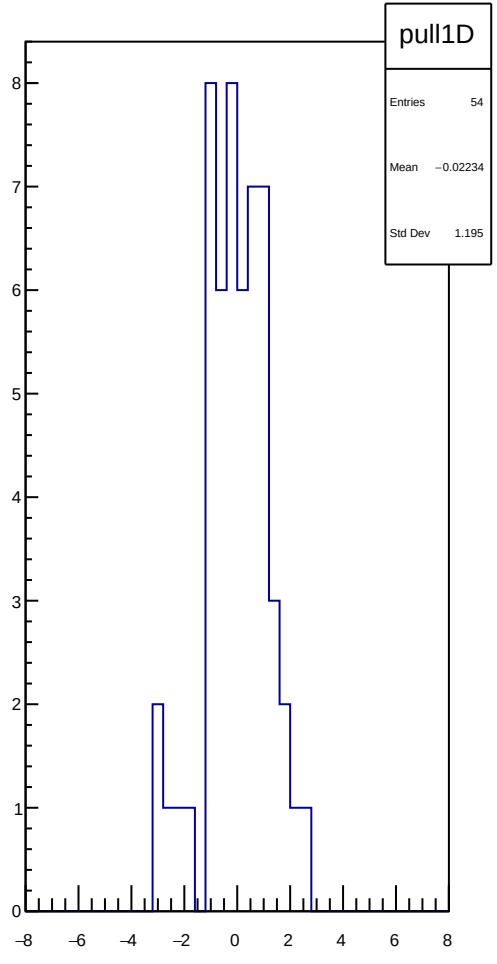

pull1D
Entries 54
Mean −0.02235
Std Dev 1.195

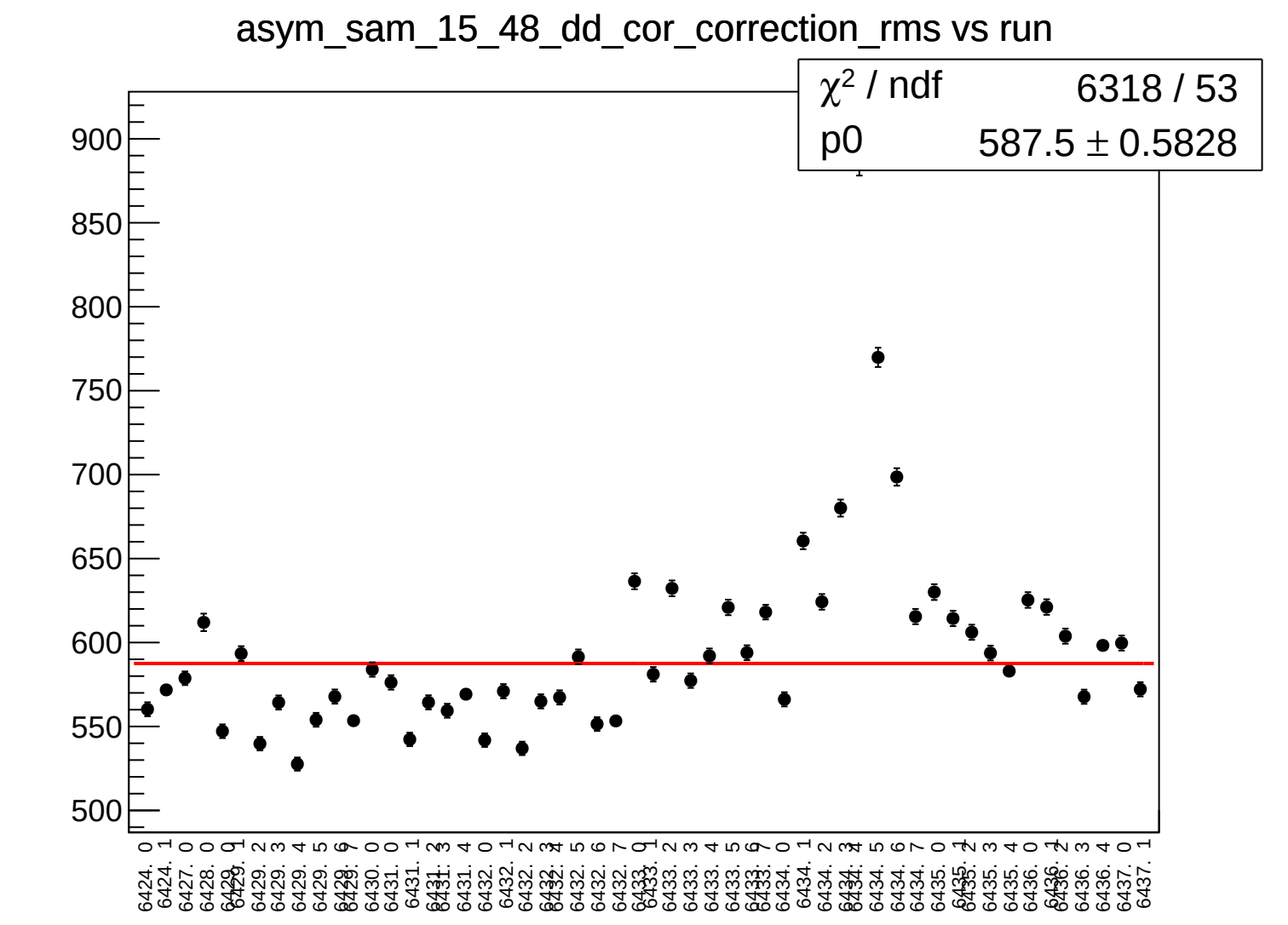

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 6317 / 53
p0 587.5 ± 0.5828
900
850
800
750
700
650
600
550
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

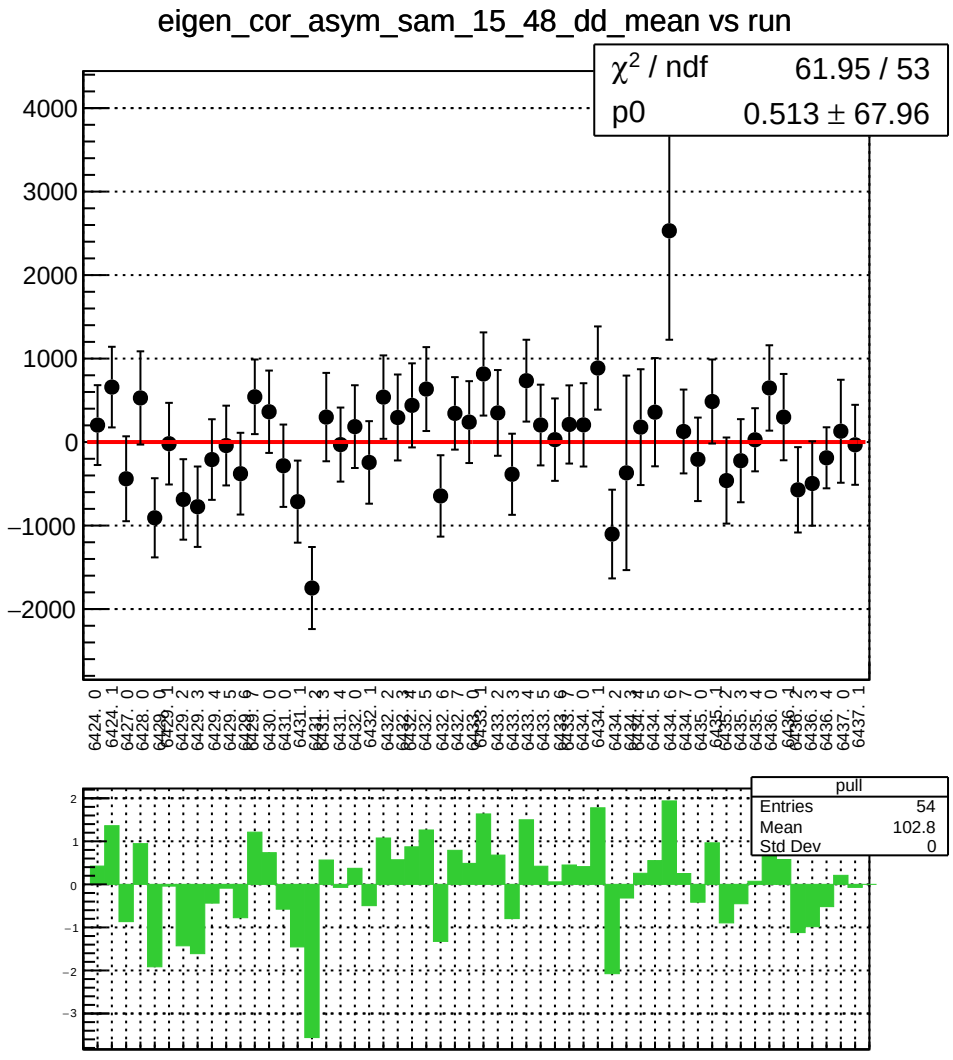

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 61.95 / 53
p0 0.513 ± 67.96
pull
Entries 54
Mean 102.8
Std Dev 0
pull1D
Entries 54
Mean 0.0266
Std Dev 1.071

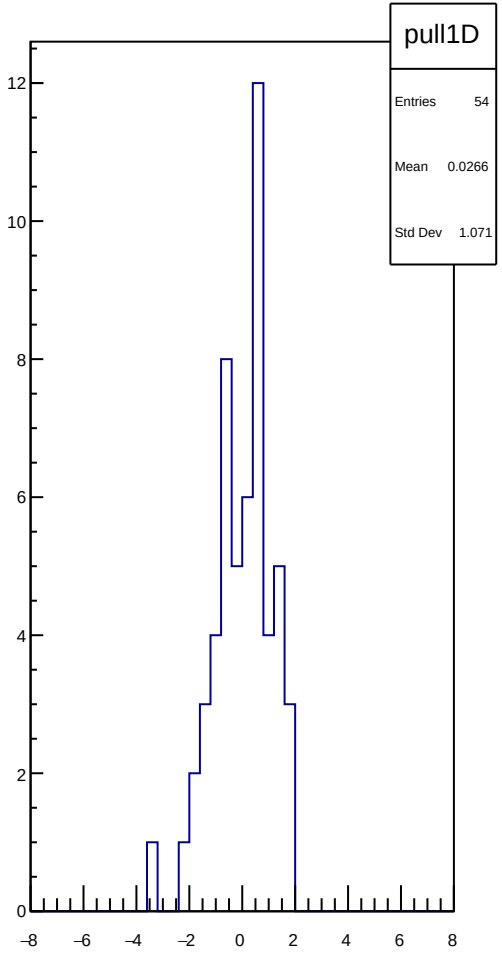

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.637e+04 / 53
p0 48.2 ± 0.04805
130
120
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

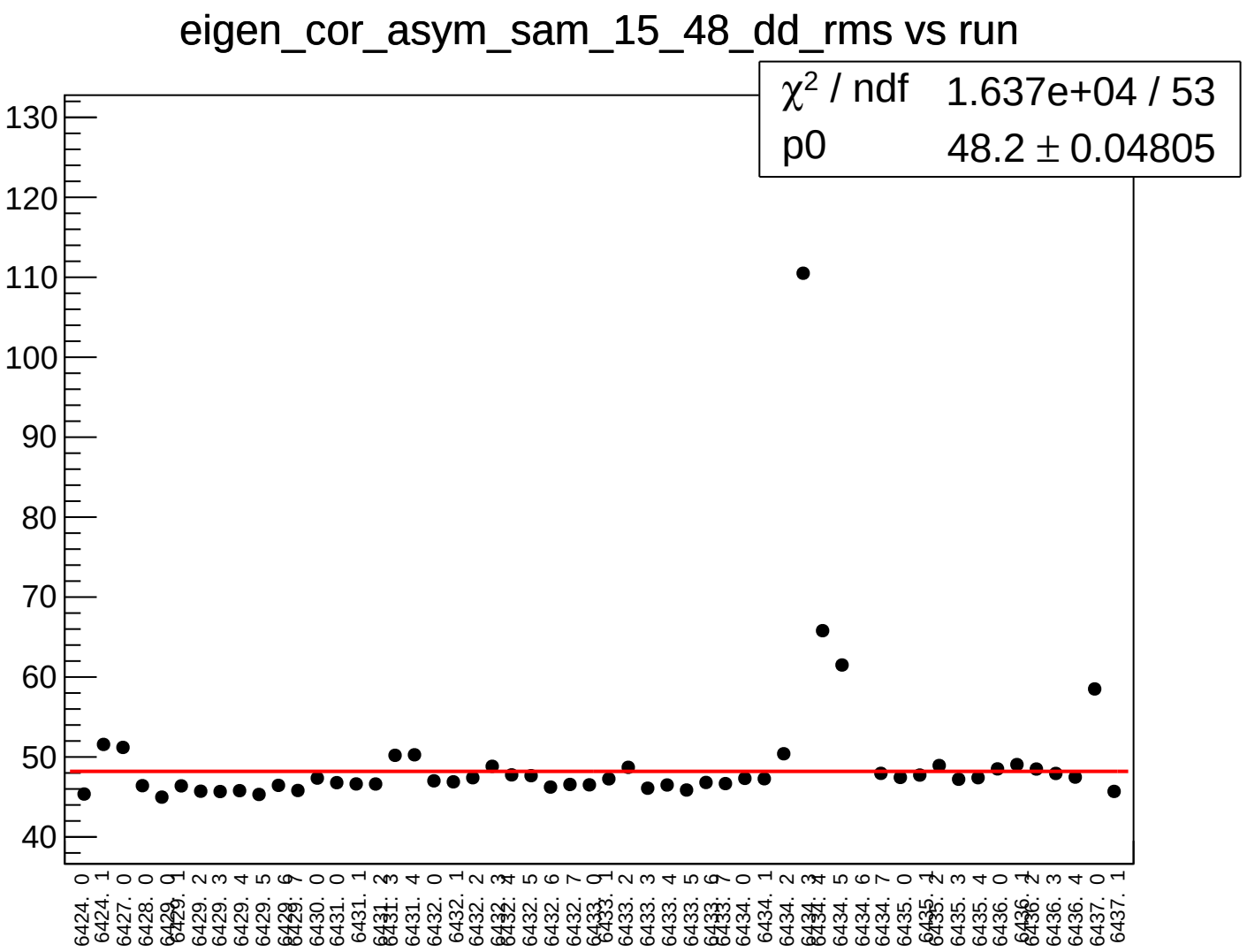

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 77.14 / 53
p0 −218.2 ± 824.2
pull
Entries 54
Mean 67.39
Std Dev 0

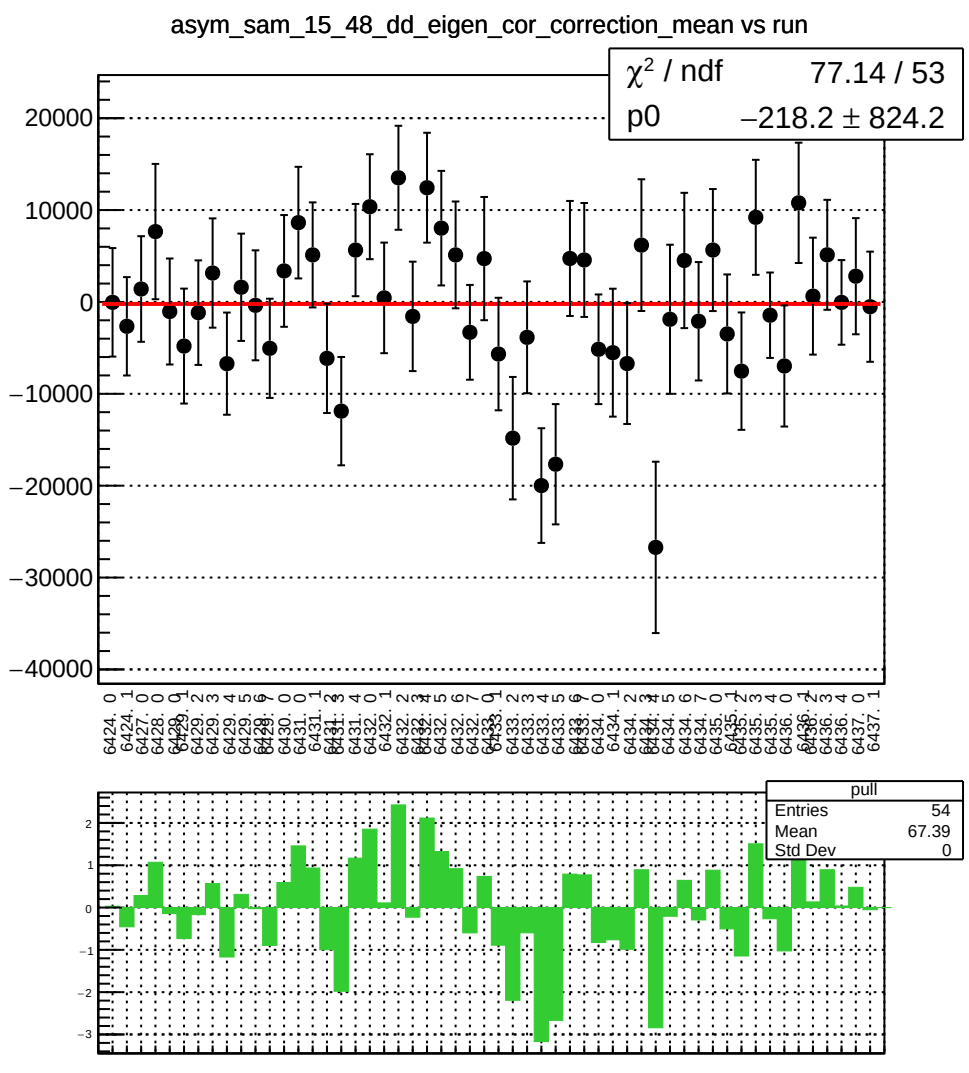

pull1D
Entries 54
Mean −0.02234
Std Dev 1.195

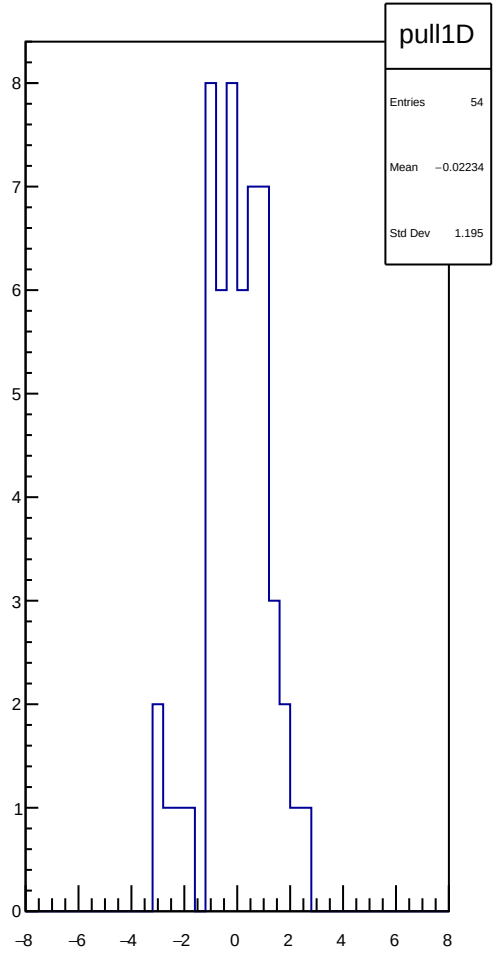

asym_sam_15_48_dd_cor_correction_rms vs run
χ^2 / ndf 6318 / 53
p0 587.5 ± 0.5828
900
850
800
750
700
650
600
550
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

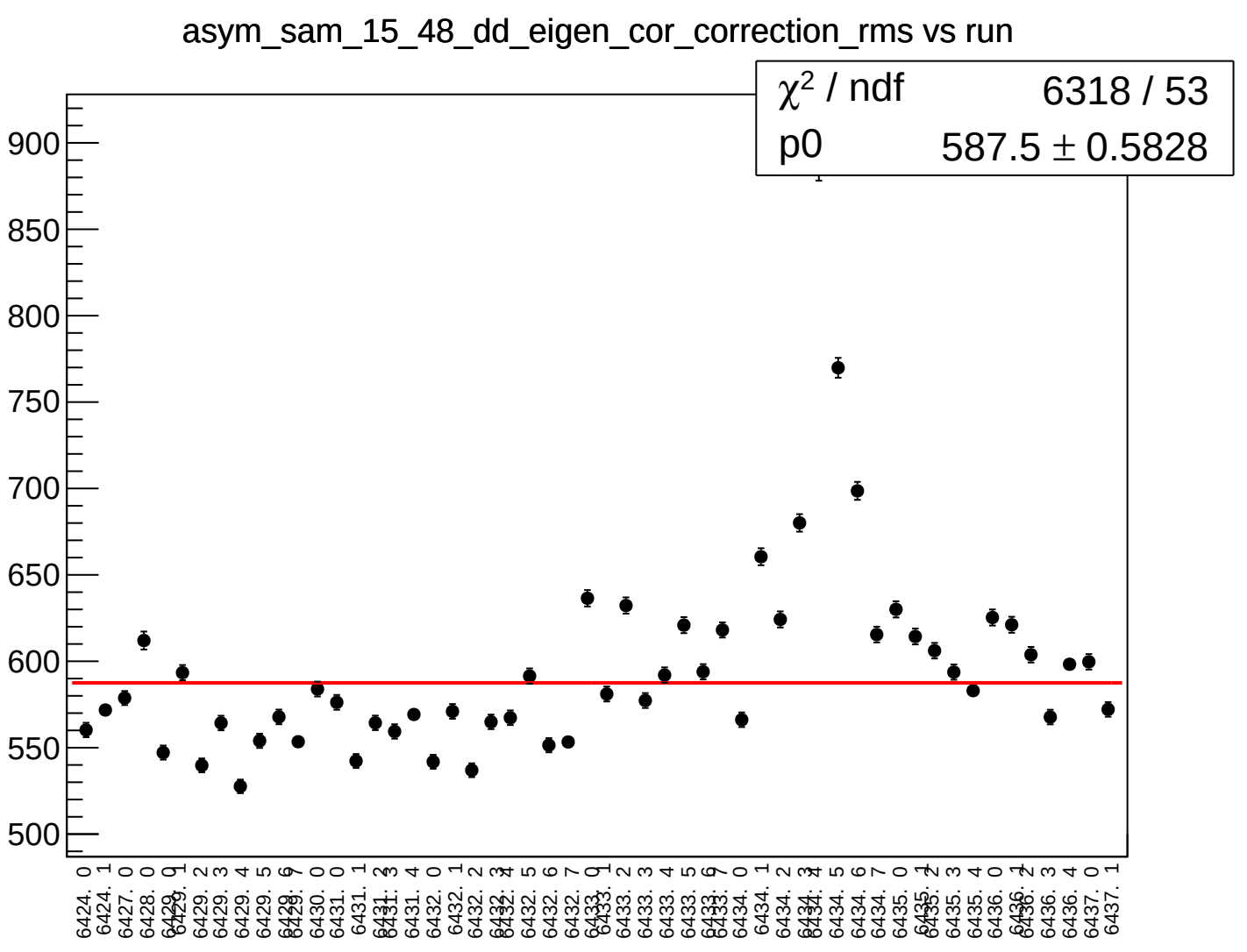

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 61.95 / 53
p0 0.513 ± 67.96
pull
Entries 54
Mean 102.8
Std Dev 0

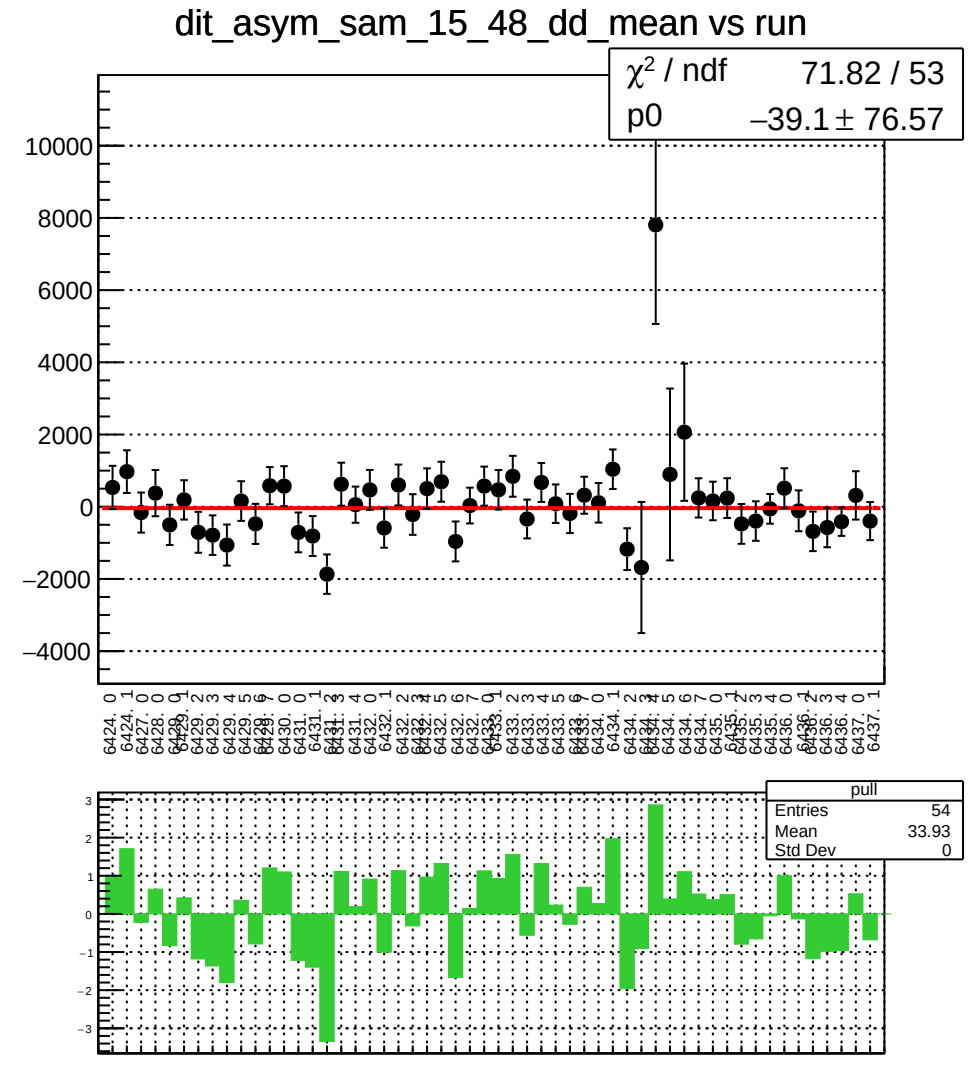

pull1D
Entries 54
Mean 0.0266
Std Dev 1.071

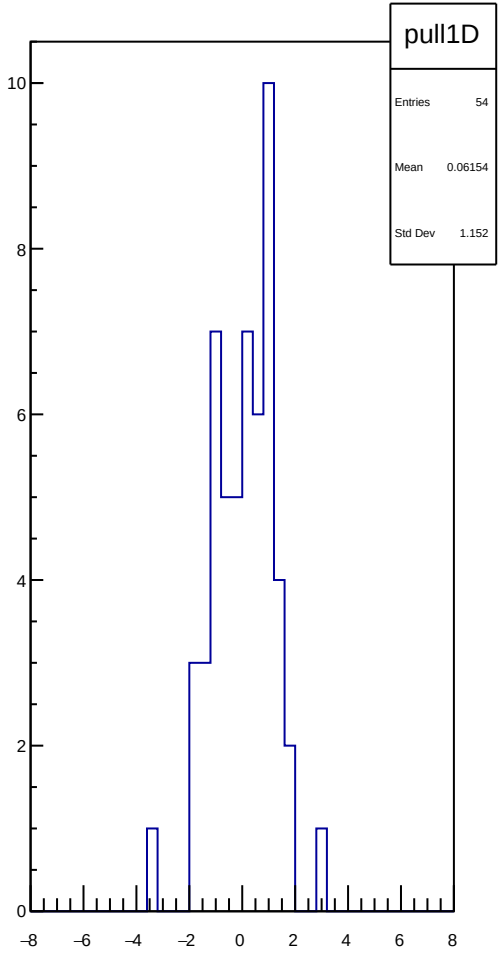

eigen_cor_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.637e+04 / 53
p0 48.2 ± 0.04805
130
120
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

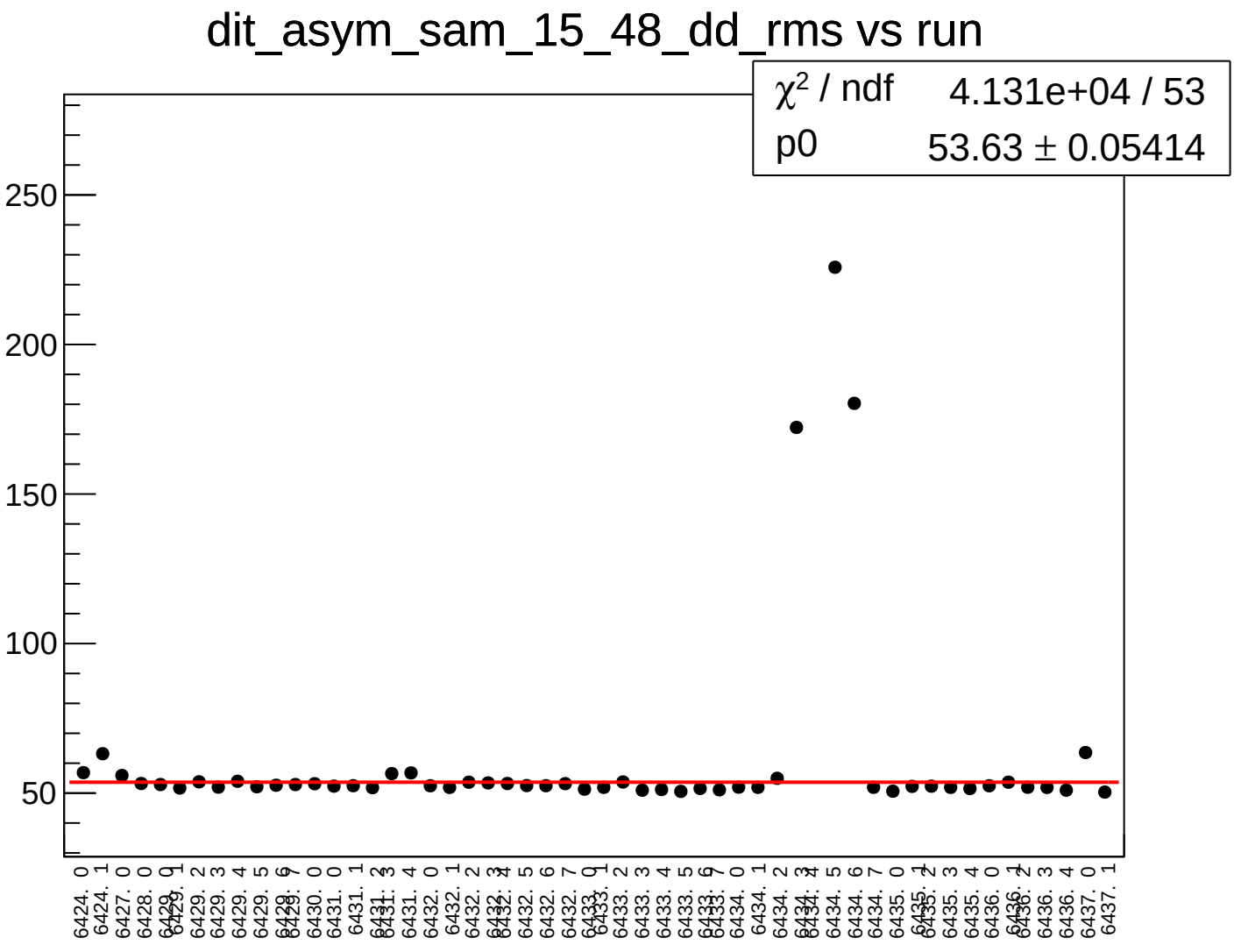

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.14 / 53
p0 −218.2 ± 824.2
pull
Entries 54
Mean 67.39
Std Dev 0

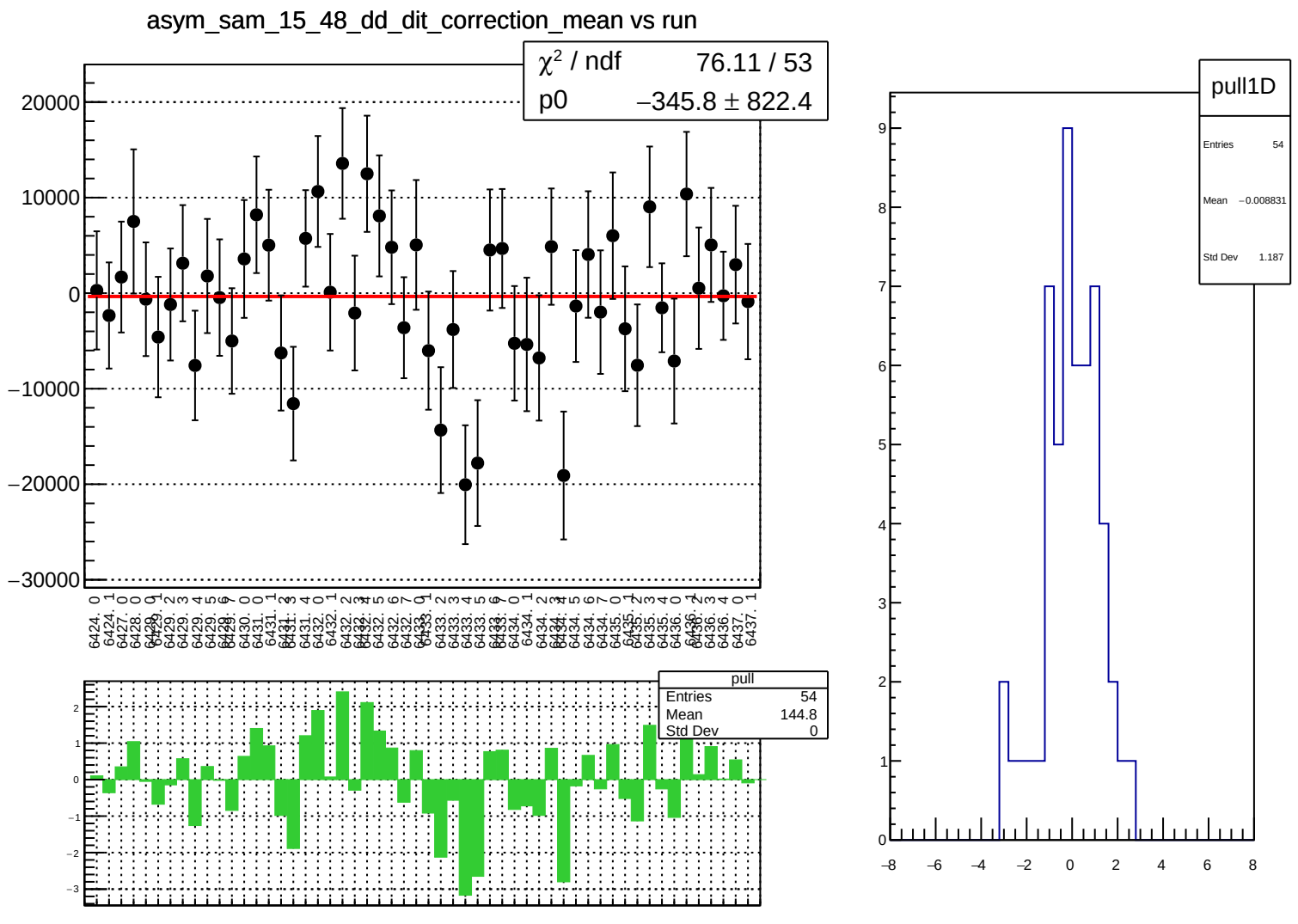

pull1D
Entries 54
Mean −0.02234
Std Dev 1.195

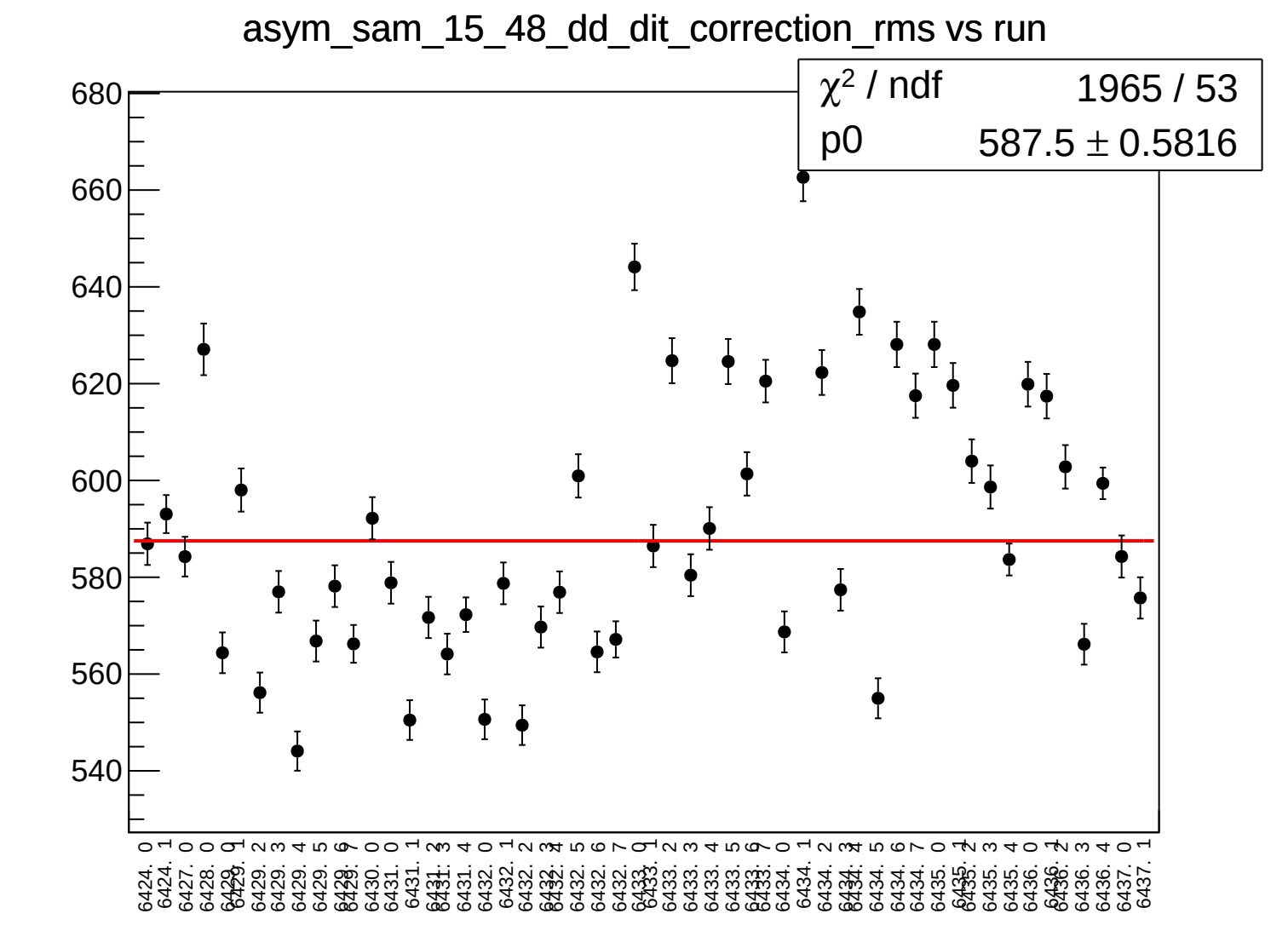

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6318 / 53
p0 587.5 ± 0.5828
900
850
800
750
700
650
600
550
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

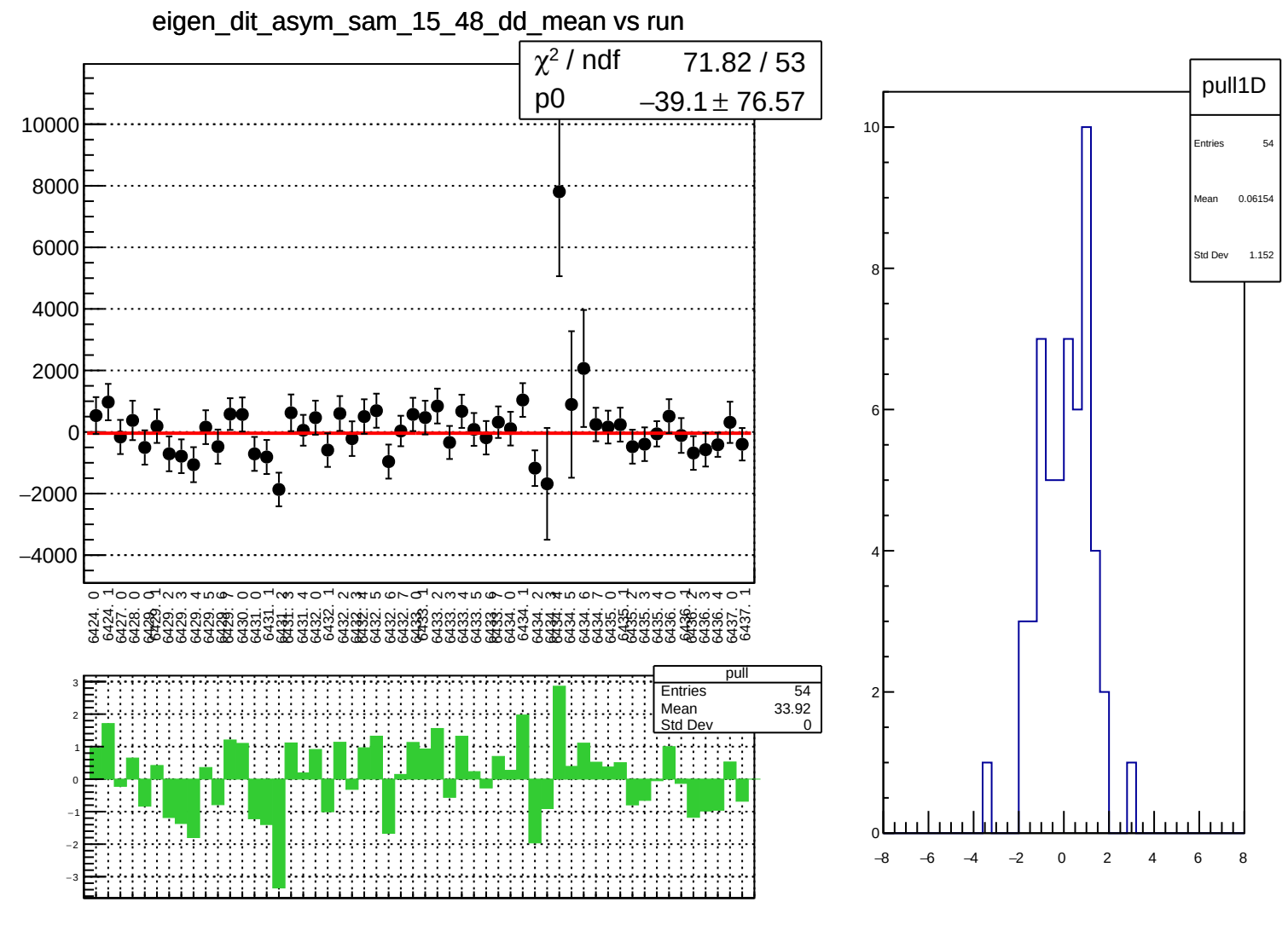

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.82 / 53
p0 −39.1 ± 76.57
pull
Entries 54
Mean 33.93
Std Dev 0

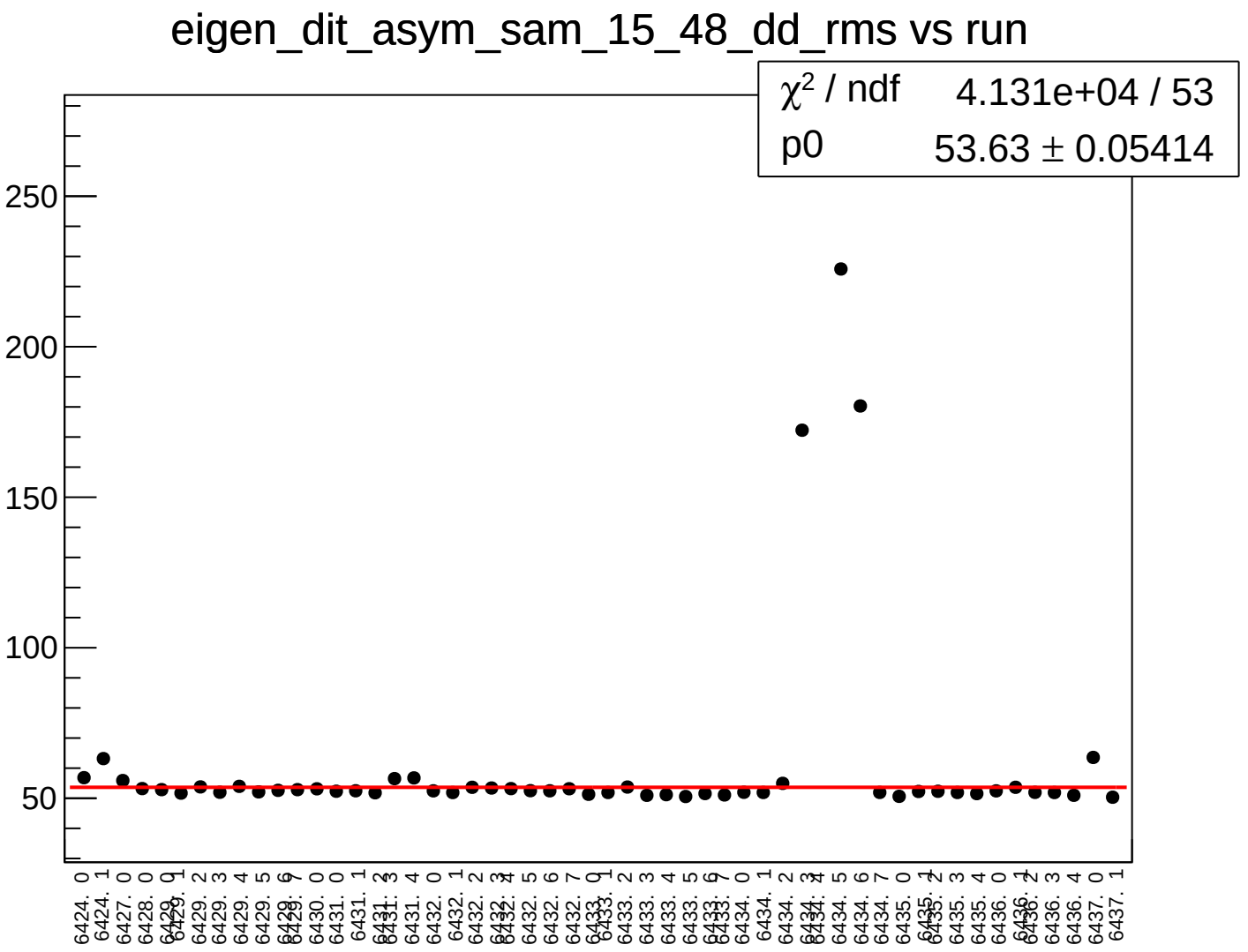

pull1D
Entries 54
Mean 0.06154
Std Dev 1.152

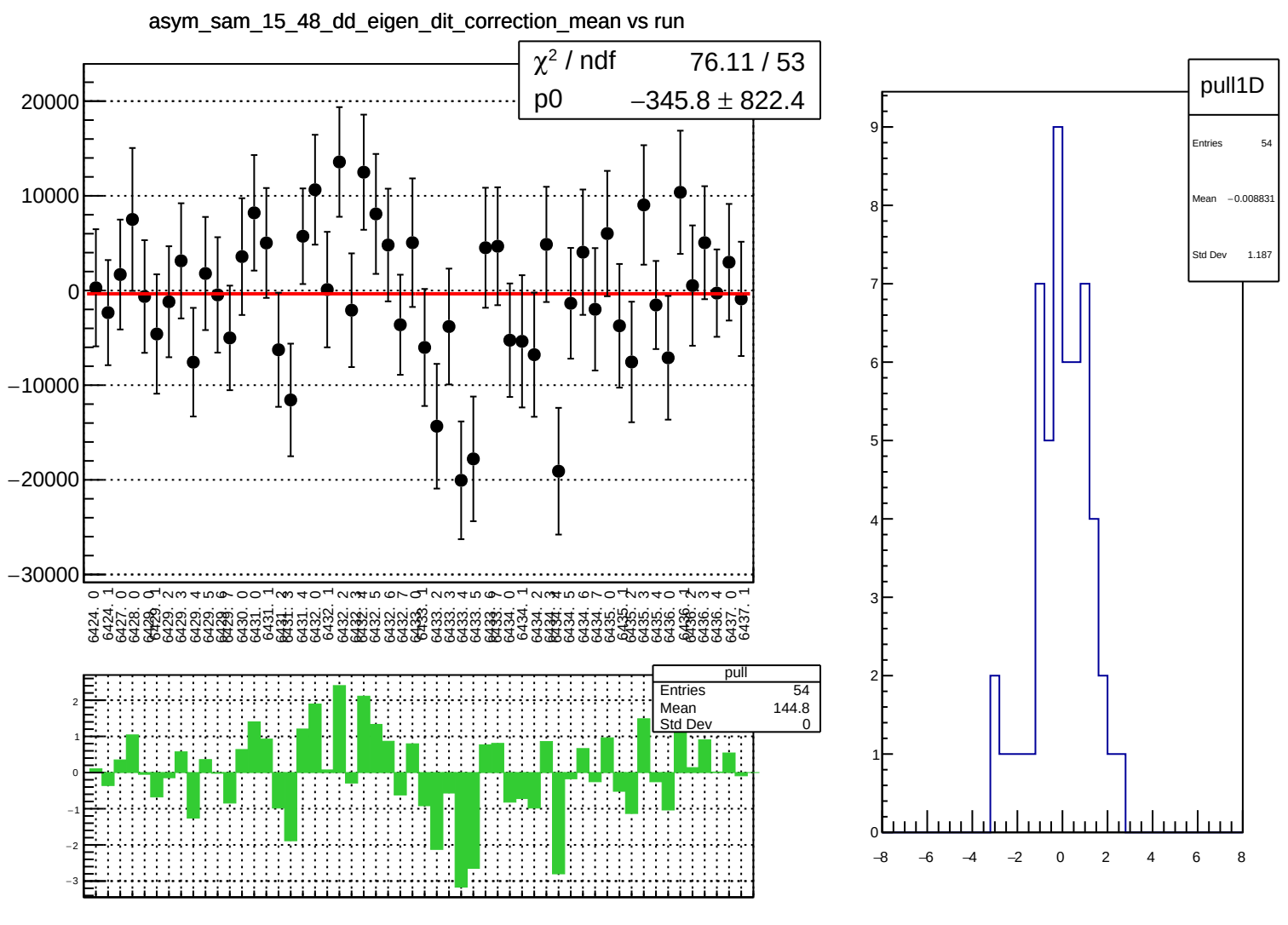

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.131e+04 / 53
p0 53.63 ± 0.05414
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

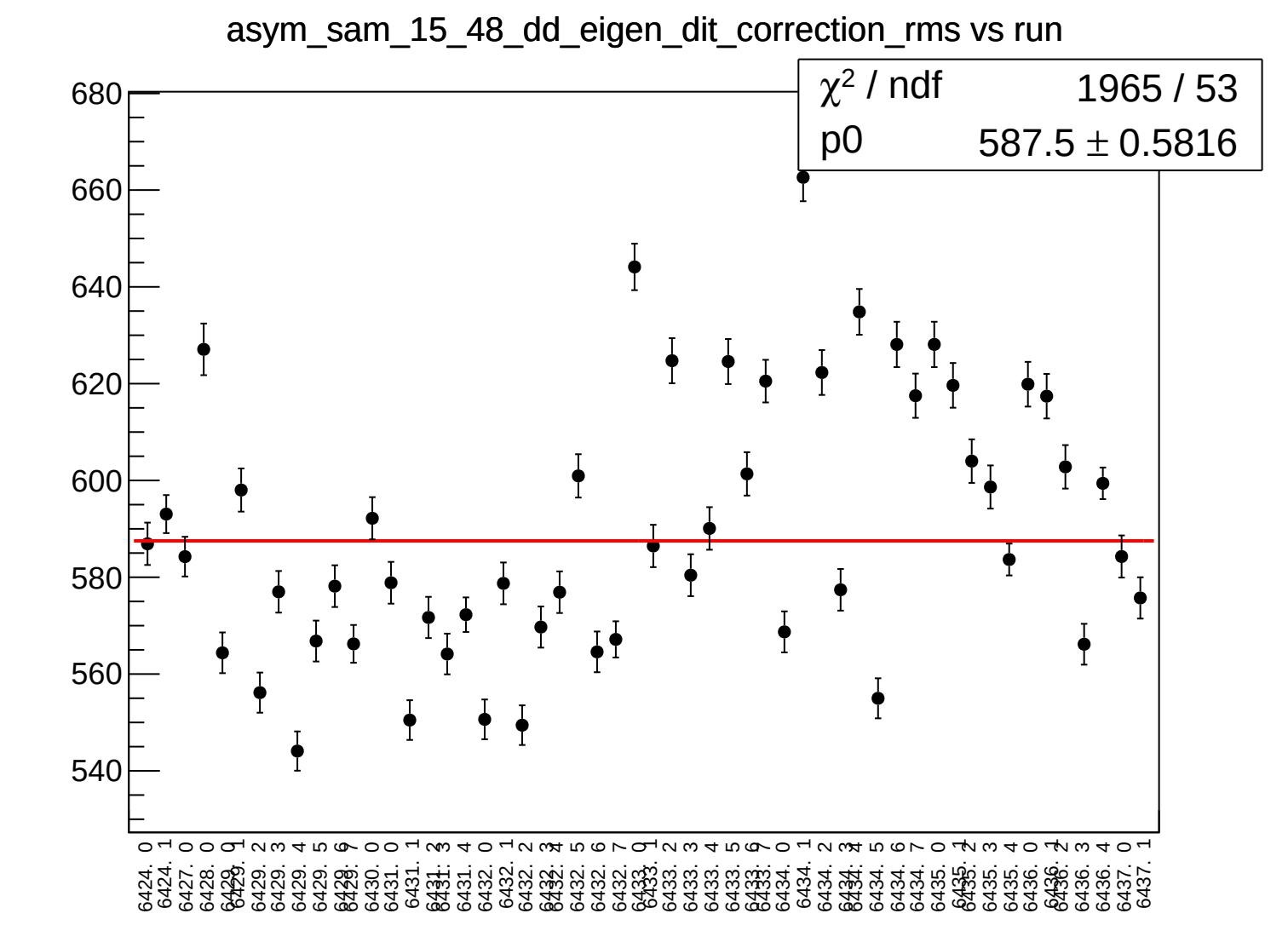

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 76.11 / 53
p0 −345.8 ± 822.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 144.8
Std Dev 0
pull1D
Entries 54
Mean −0.008831
Std Dev 1.187

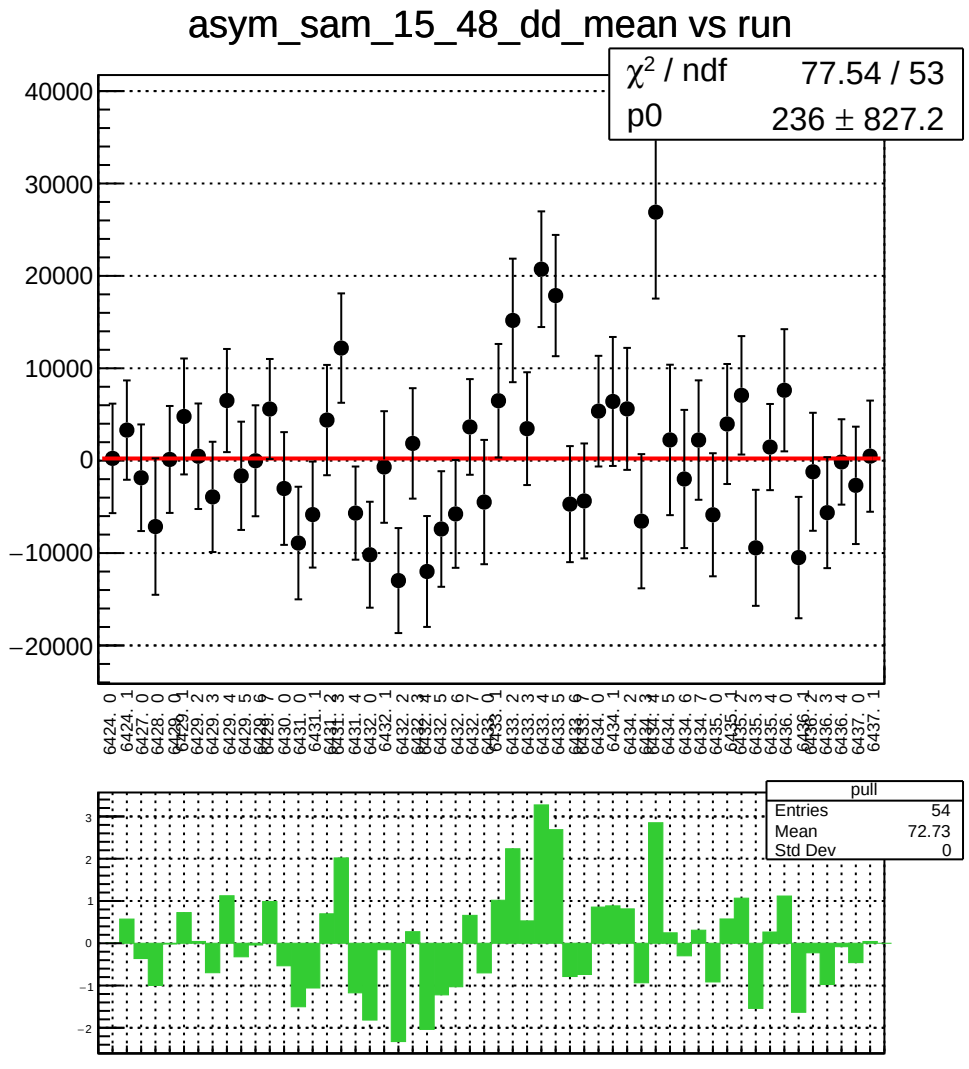

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1965 / 53
p0 587.5 ± 0.5816
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

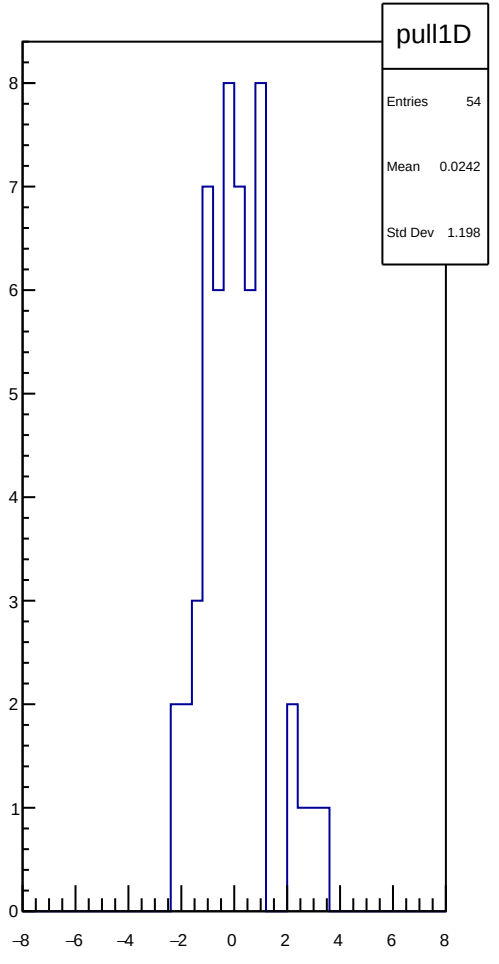

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.82 / 53
p0 −39.1 ± 76.57
pull
Entries 54
Mean 33.92
Std Dev 0
pull1D
Entries 54
Mean 0.06154
Std Dev 1.152

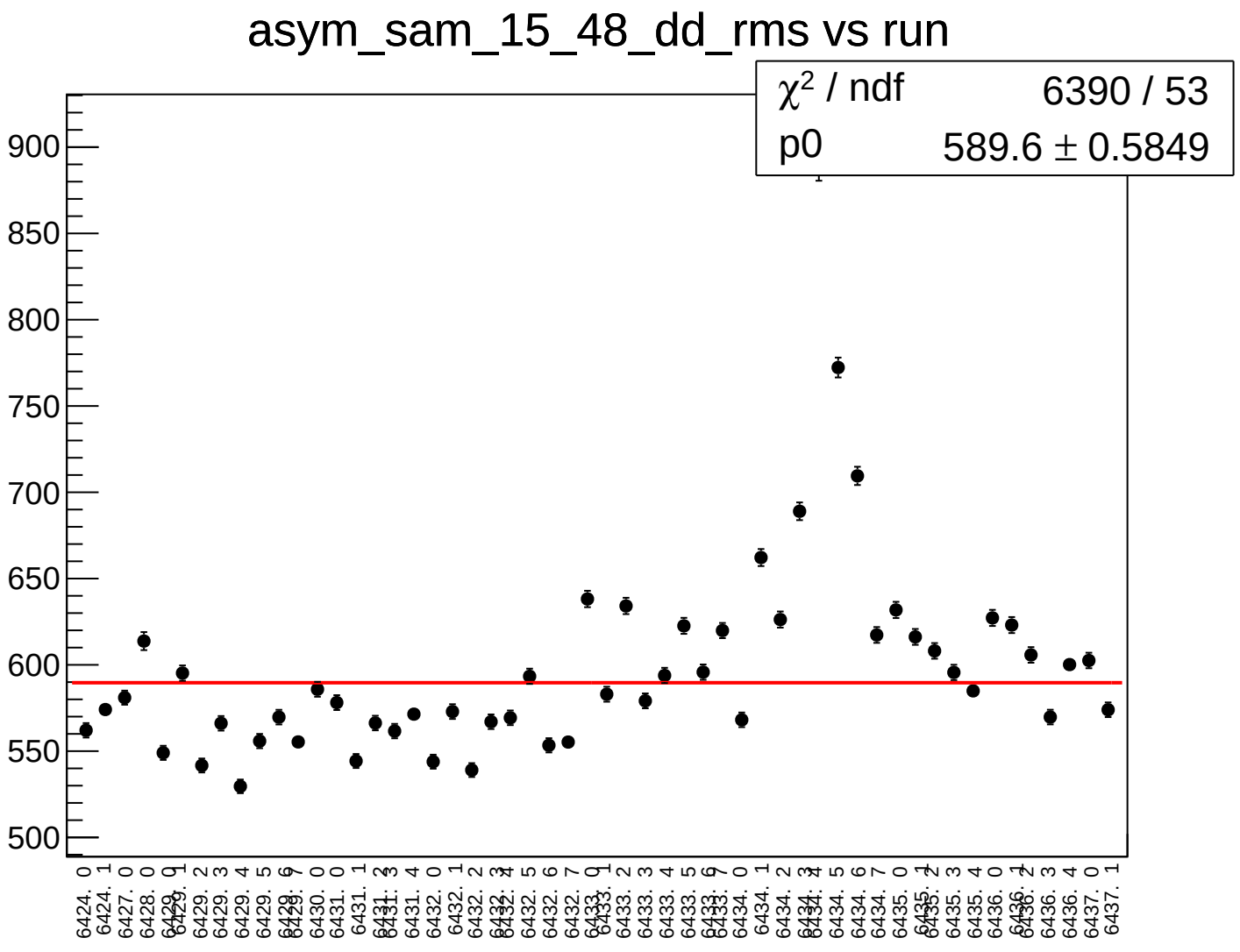

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.131e+04 / 53
p0 53.63 ± 0.05414
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

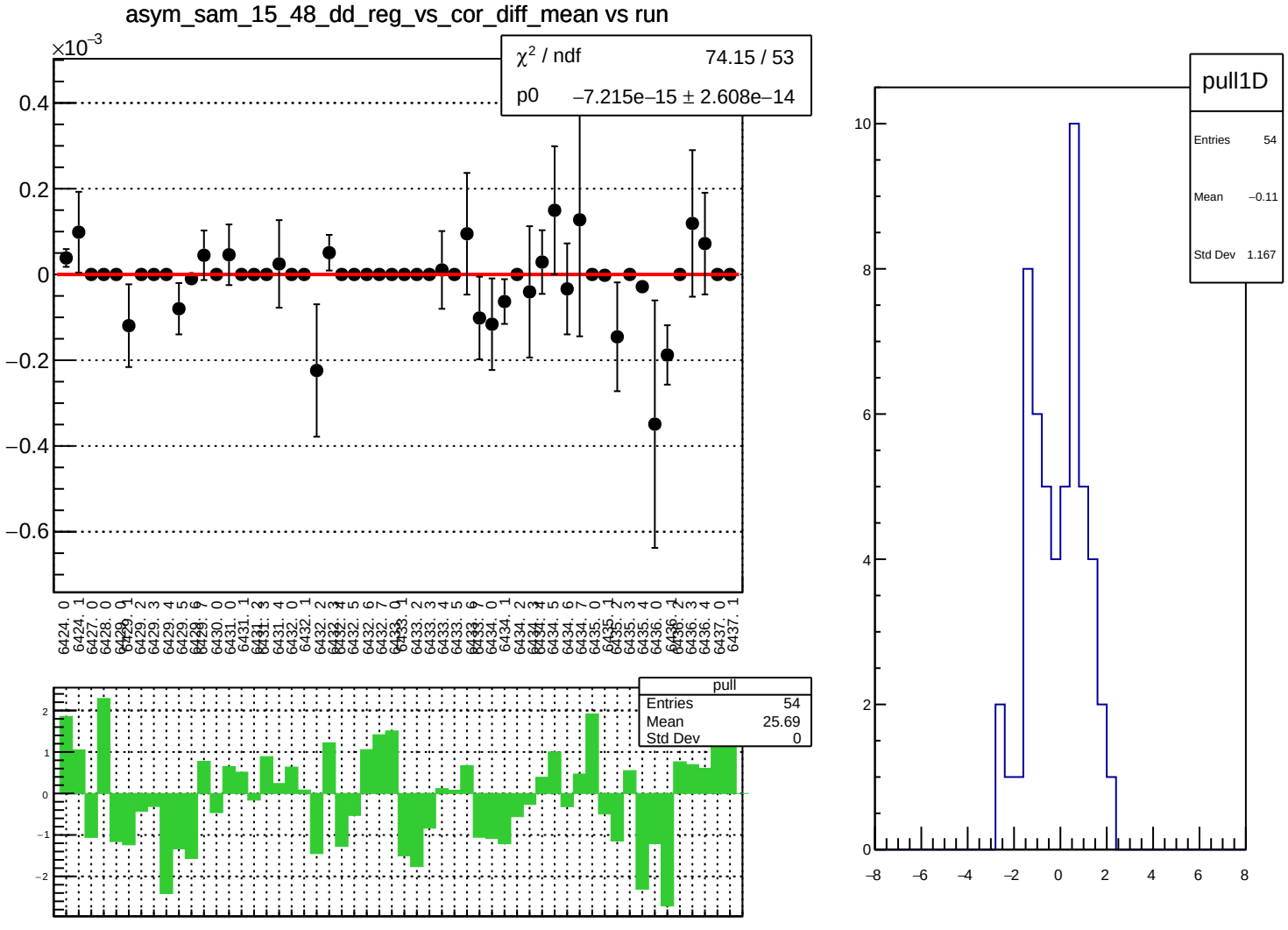

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.11 / 53
p0 −345.8 ± 822.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 144.8
Std Dev 0
pull1D
Entries 54
Mean −0.008831
Std Dev 1.187

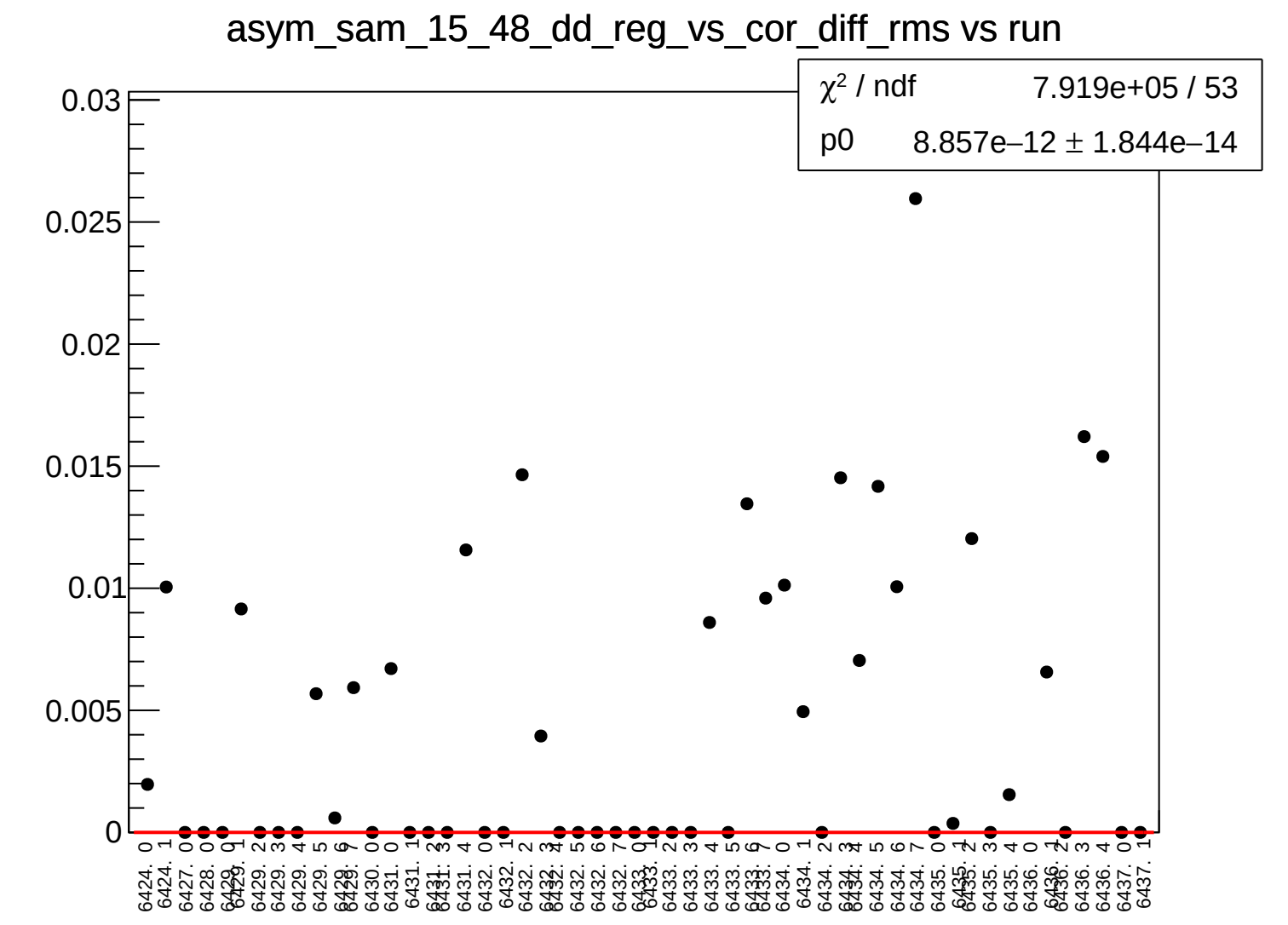

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1965 / 53
p0 587.5 ± 0.5816
680
660
640
620
600
580
560
540
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

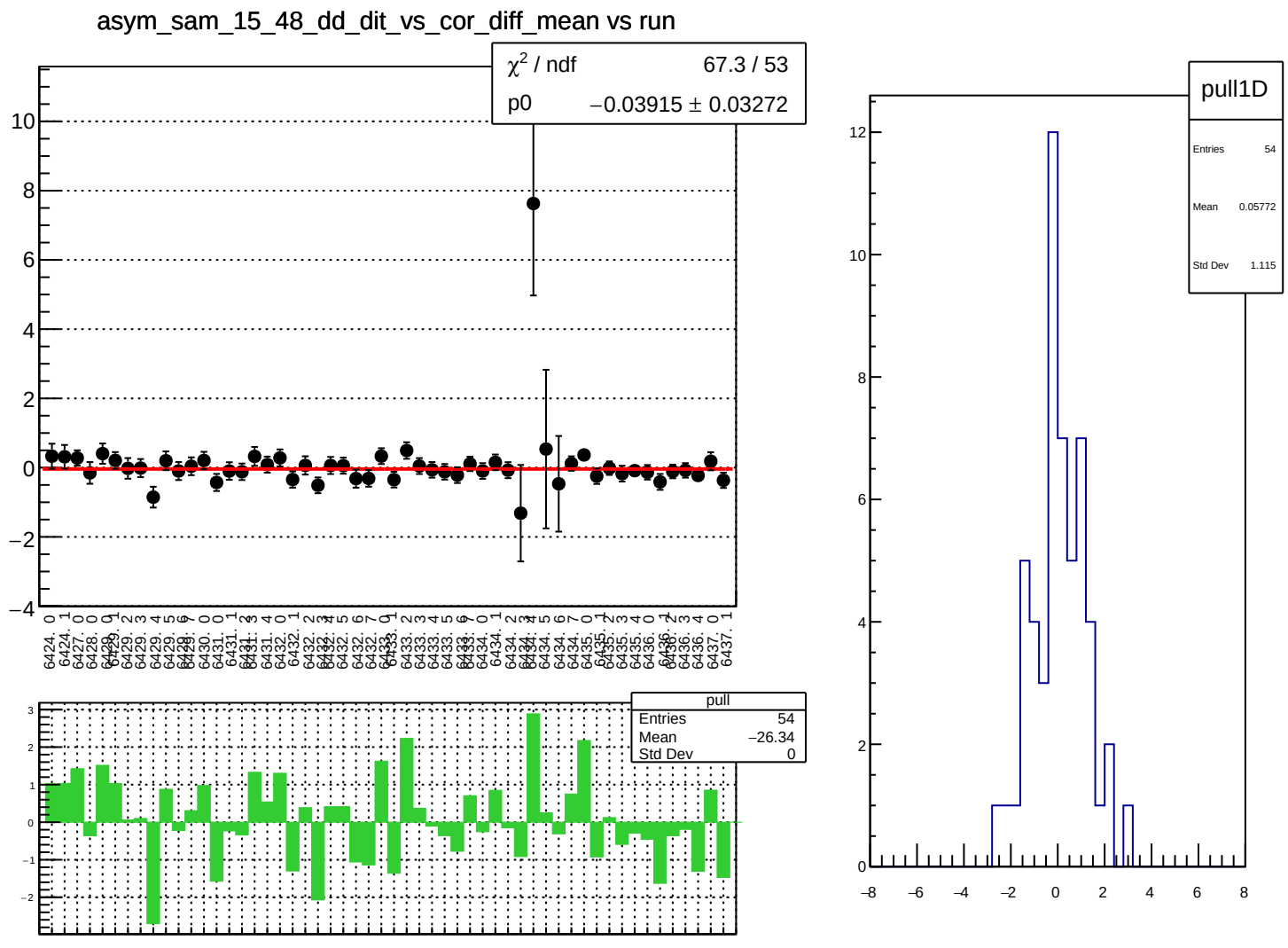

asym_sam_15_48_dd_mean vs run
χ² / ndf 77.54 / 53
p0 236 ± 827.2
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 72.73
Std Dev 0
3
2
1
0
−1
−2

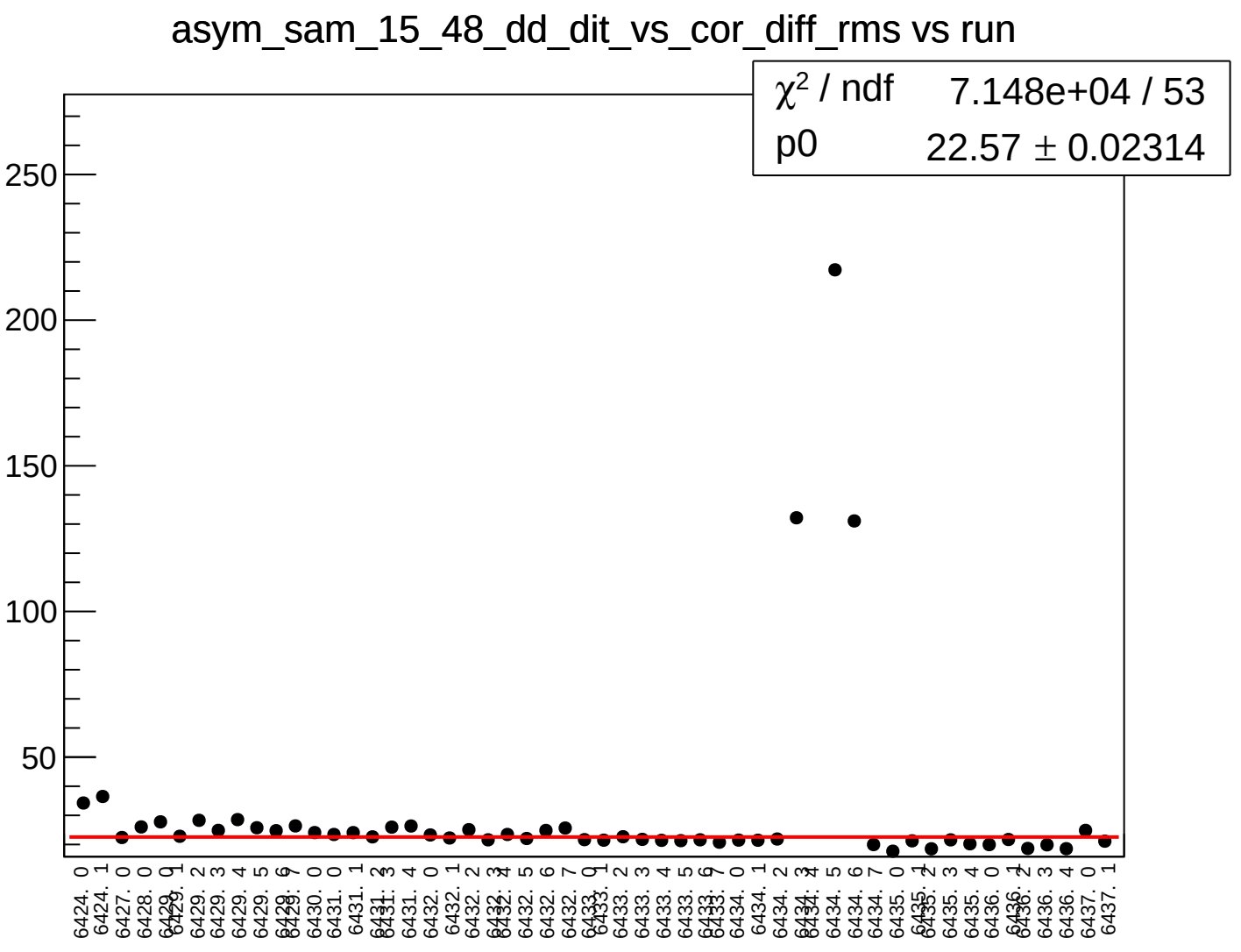

pull1D
Entries 54
Mean 0.0242
Std Dev 1.198
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

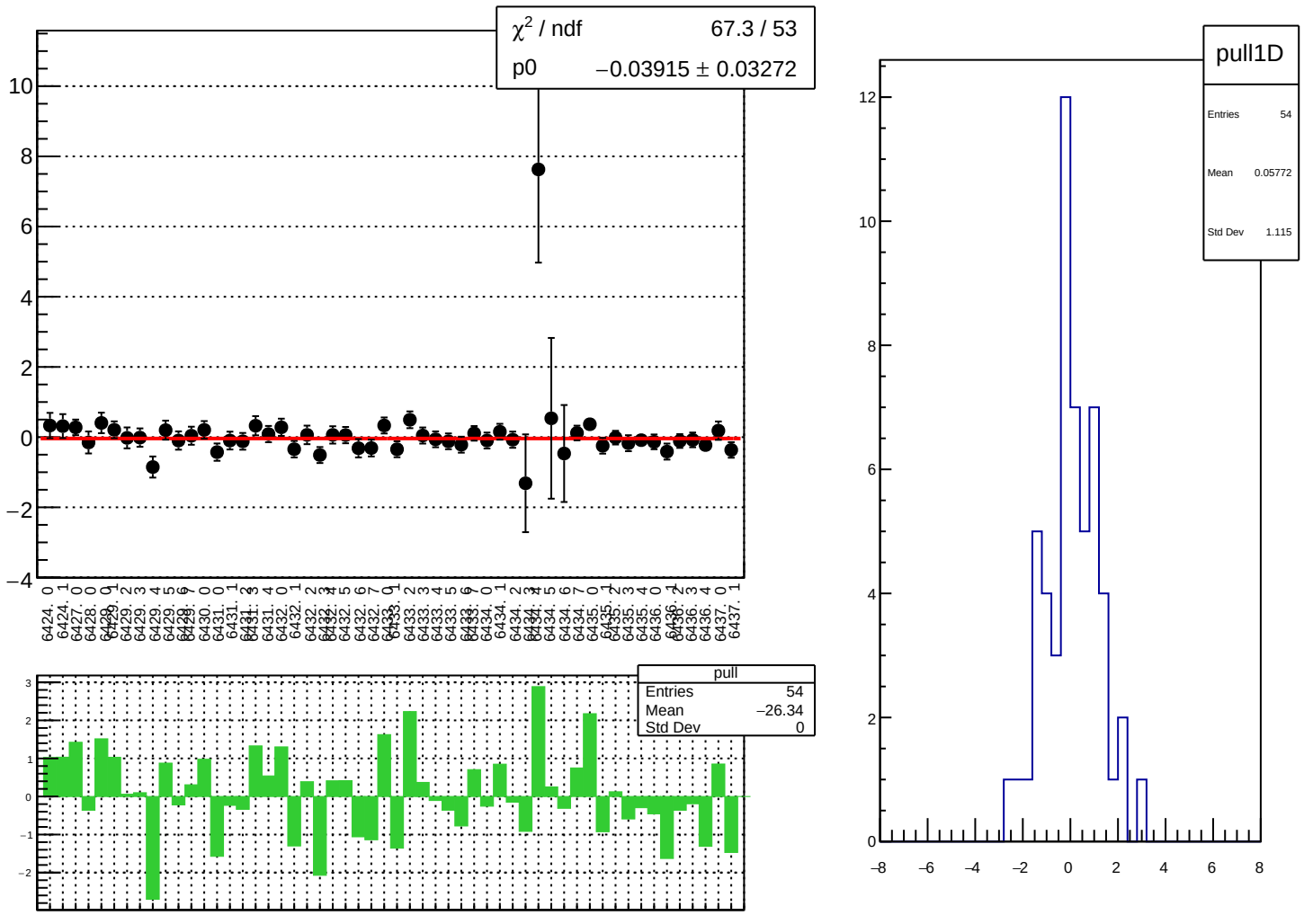

asym_sam_15_48_dd_rms vs run
χ² / ndf 6390 / 53
p0 589.6 ± 0.5849
900
850
800
750
700
650
600
550
500
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

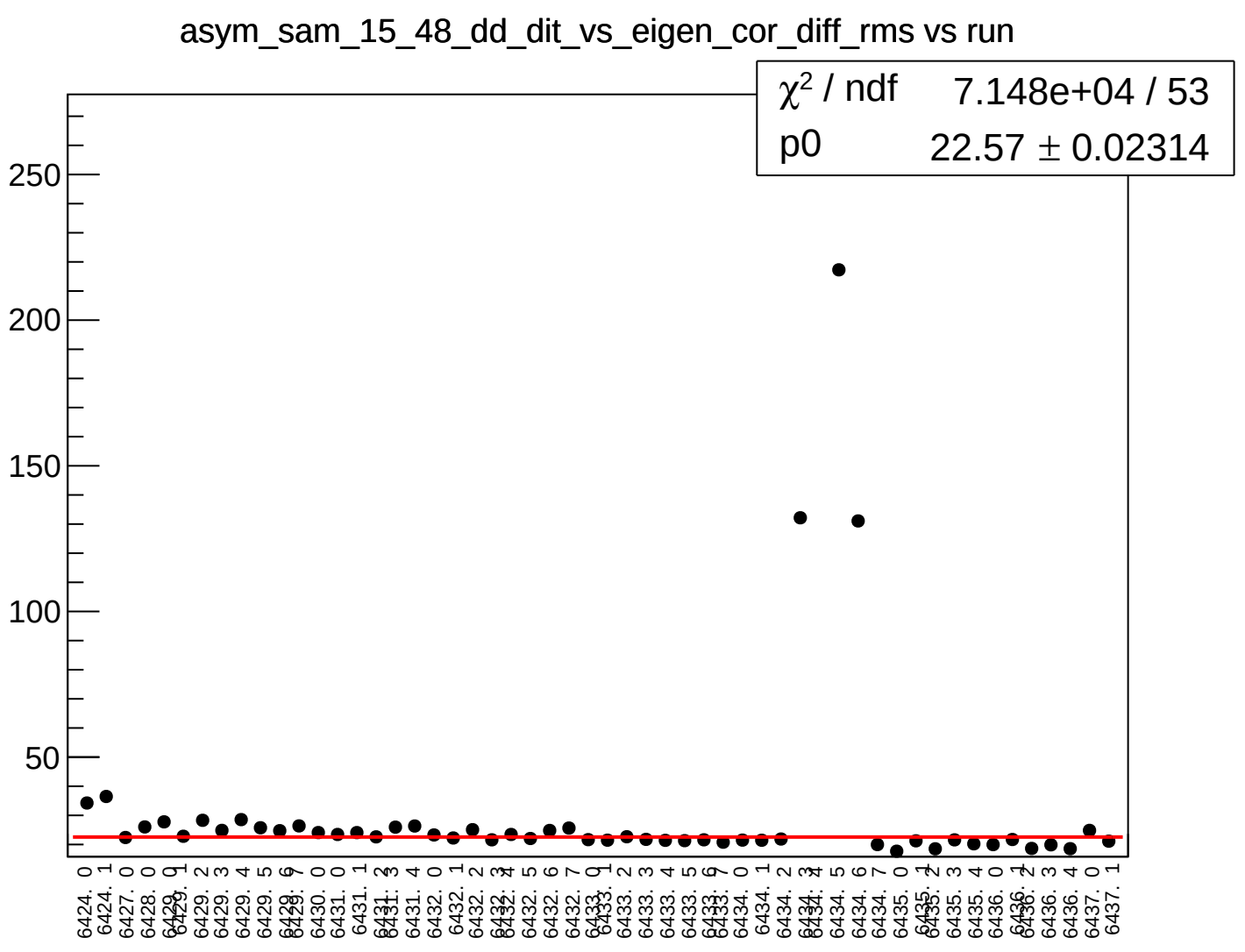

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 74.15 / 53
p0 −7.215e−15 ± 2.608e−14
pull
Entries 54
Mean 25.69
Std Dev 0
pull1D
Entries 54
Mean −0.11
Std Dev 1.167

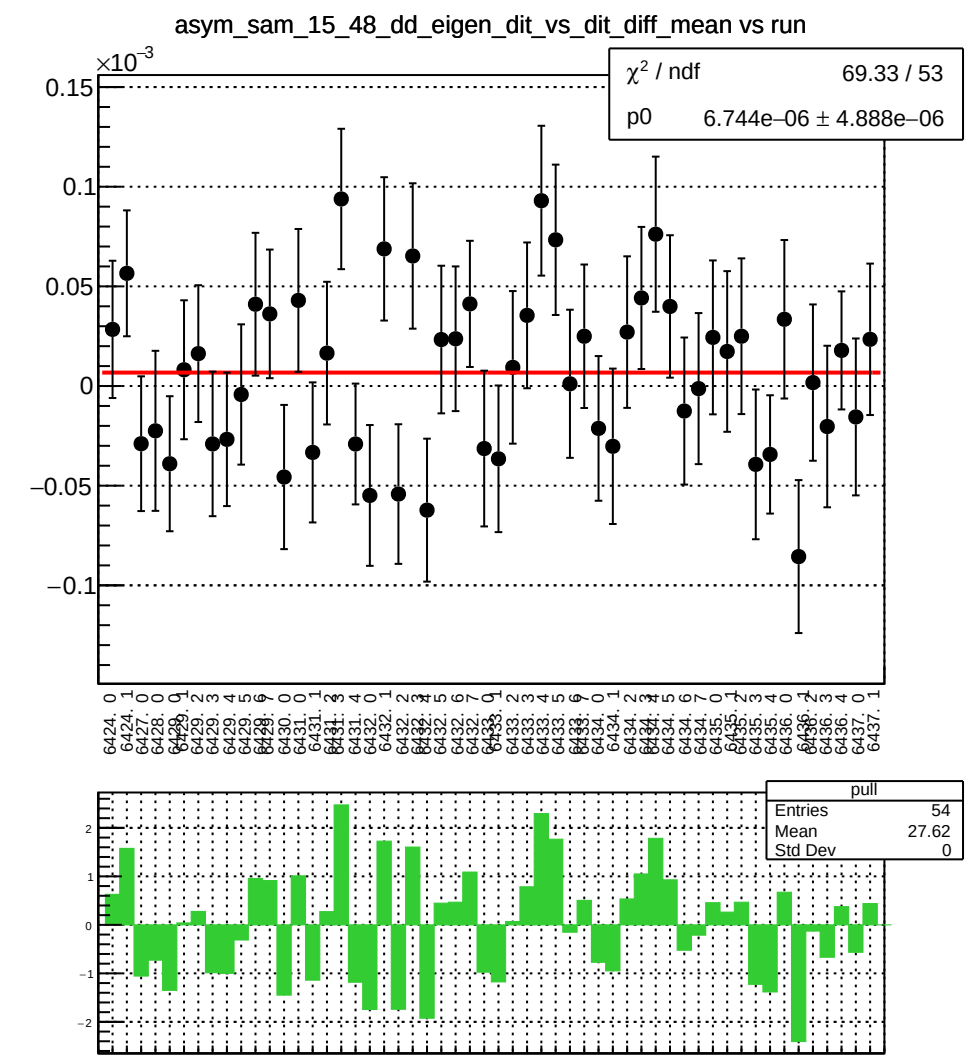

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.919e+05 / 53
p0 8.857e−12 ± 1.844e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

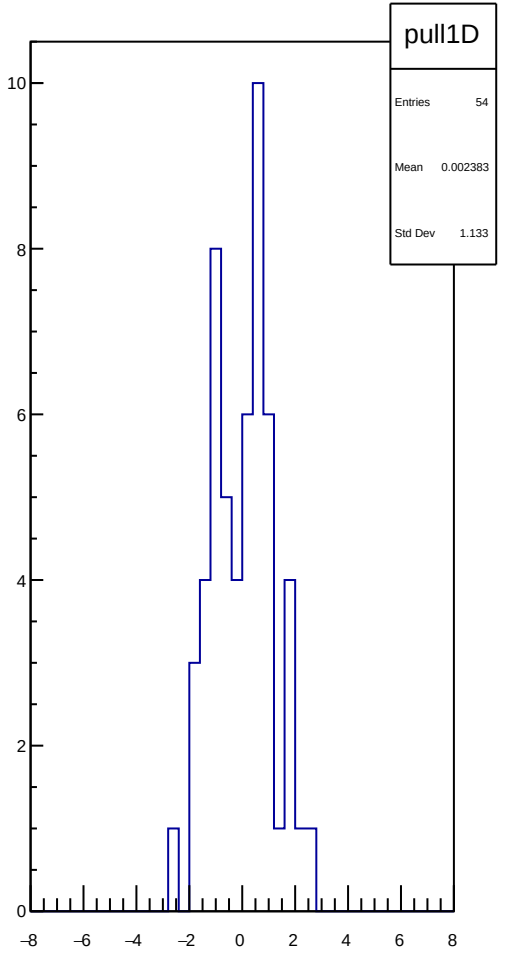

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 67.3 / 53
p0 −0.03915 ± 0.03272
pull
Entries 54
Mean −26.34
Std Dev 0
pull1D
Entries 54
Mean 0.05772
Std Dev 1.115

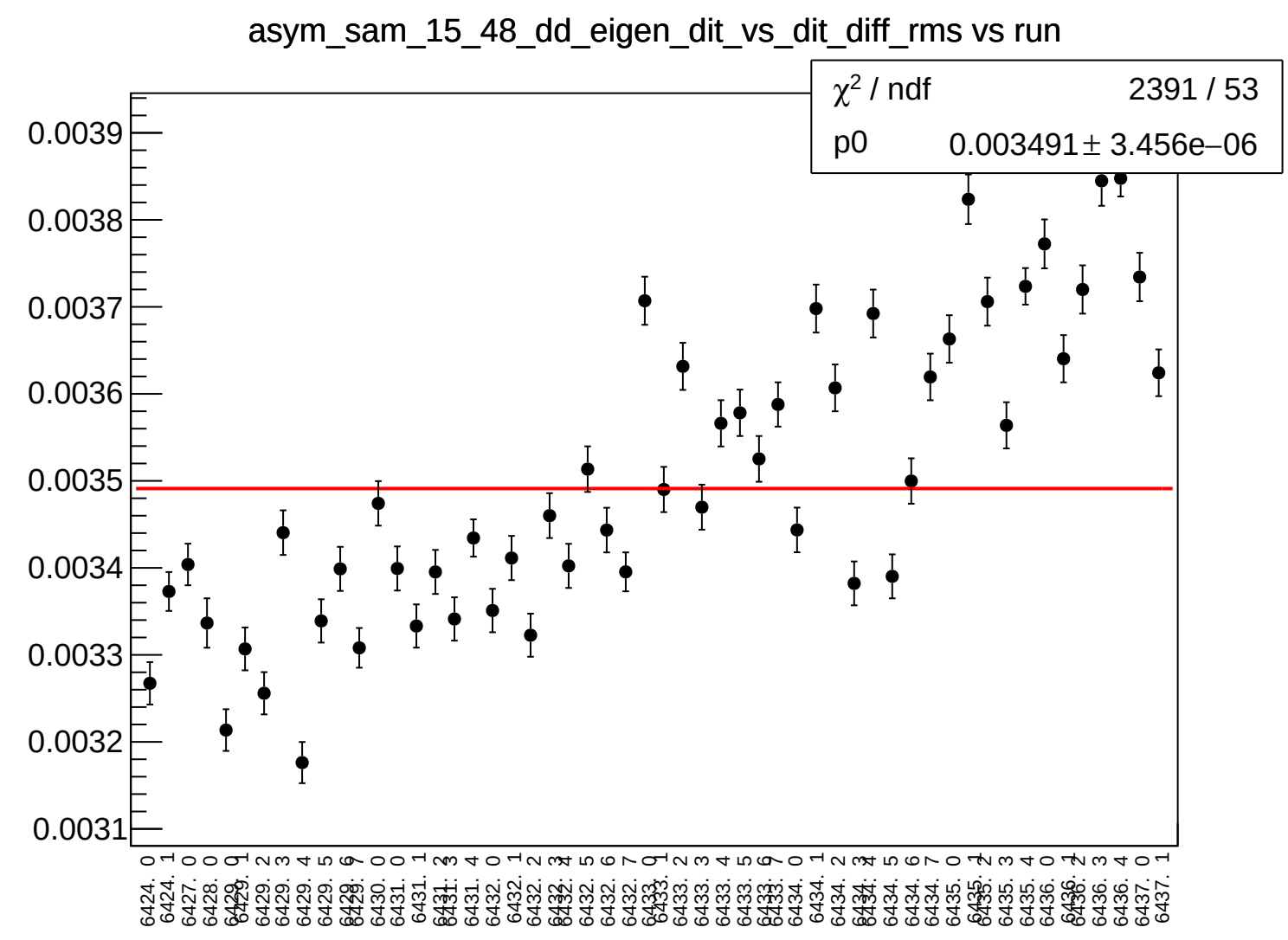

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.148e+04 / 53
p0 22.57 ± 0.02314
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

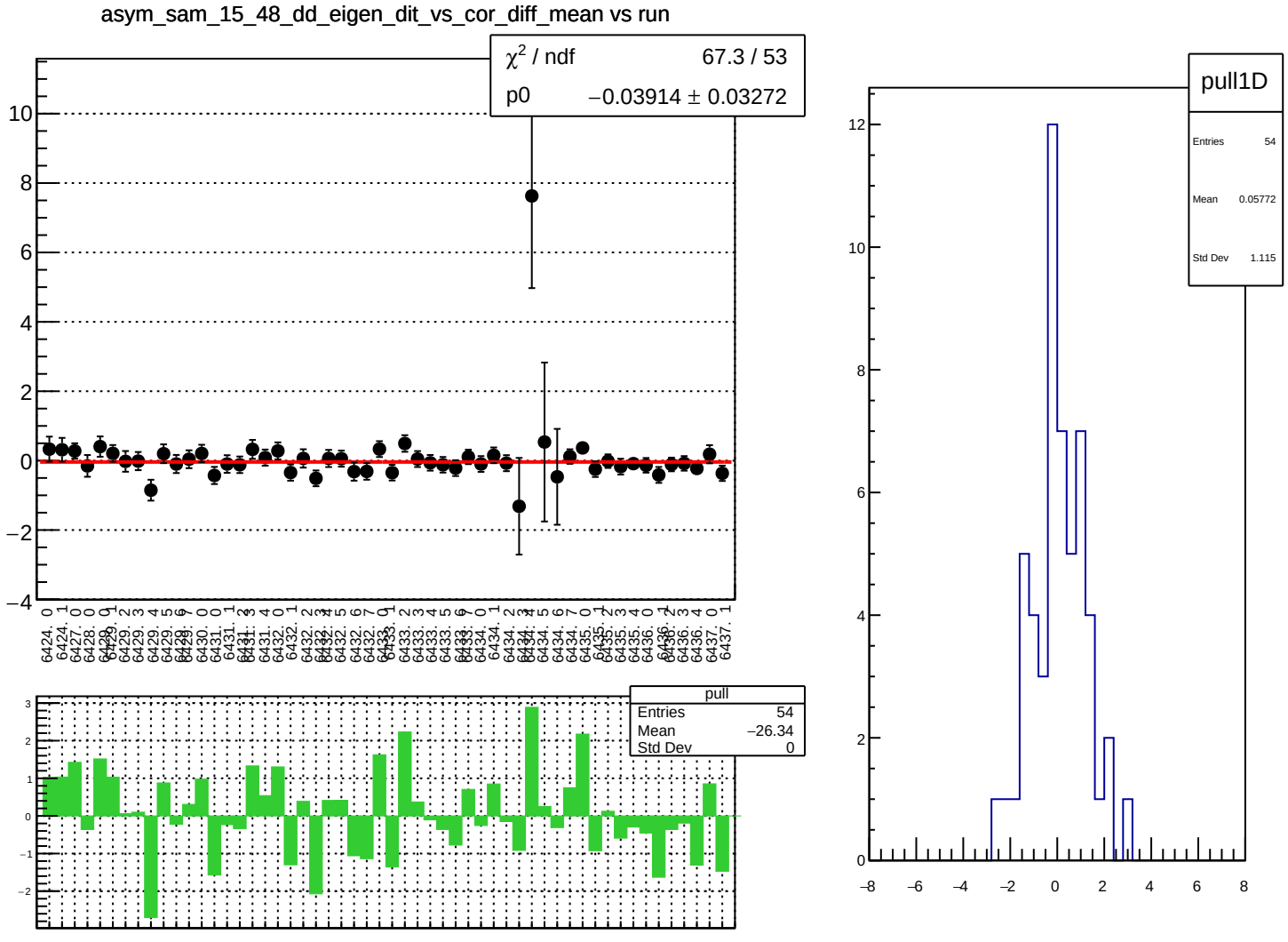

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.3 / 53
p0 −0.03915 ± 0.03272
pull
Entries 54
Mean −26.34
Std Dev 0
pull1D
Entries 54
Mean 0.05772
Std Dev 1.115

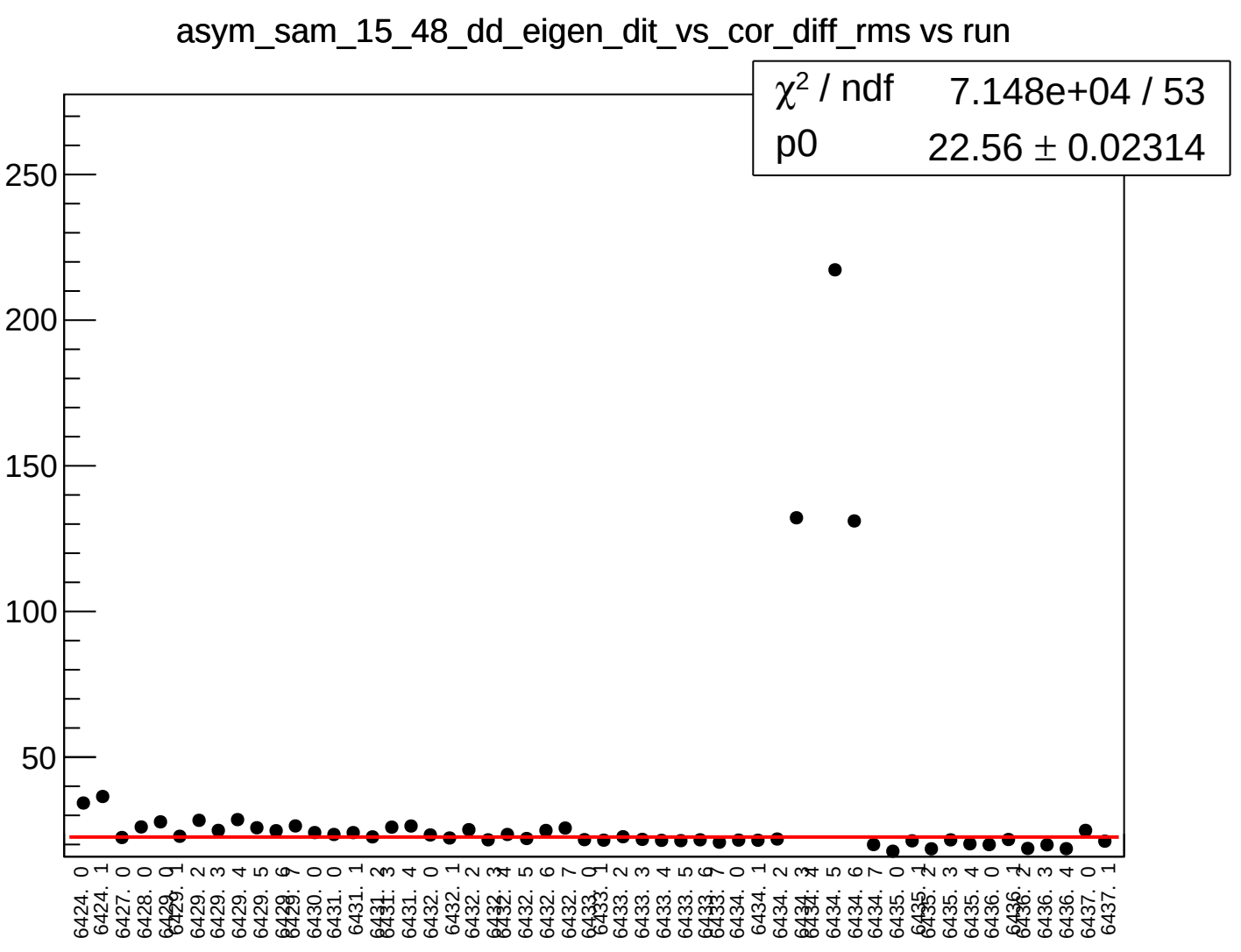

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.148e+04 / 53
p0 22.57 ± 0.02314
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

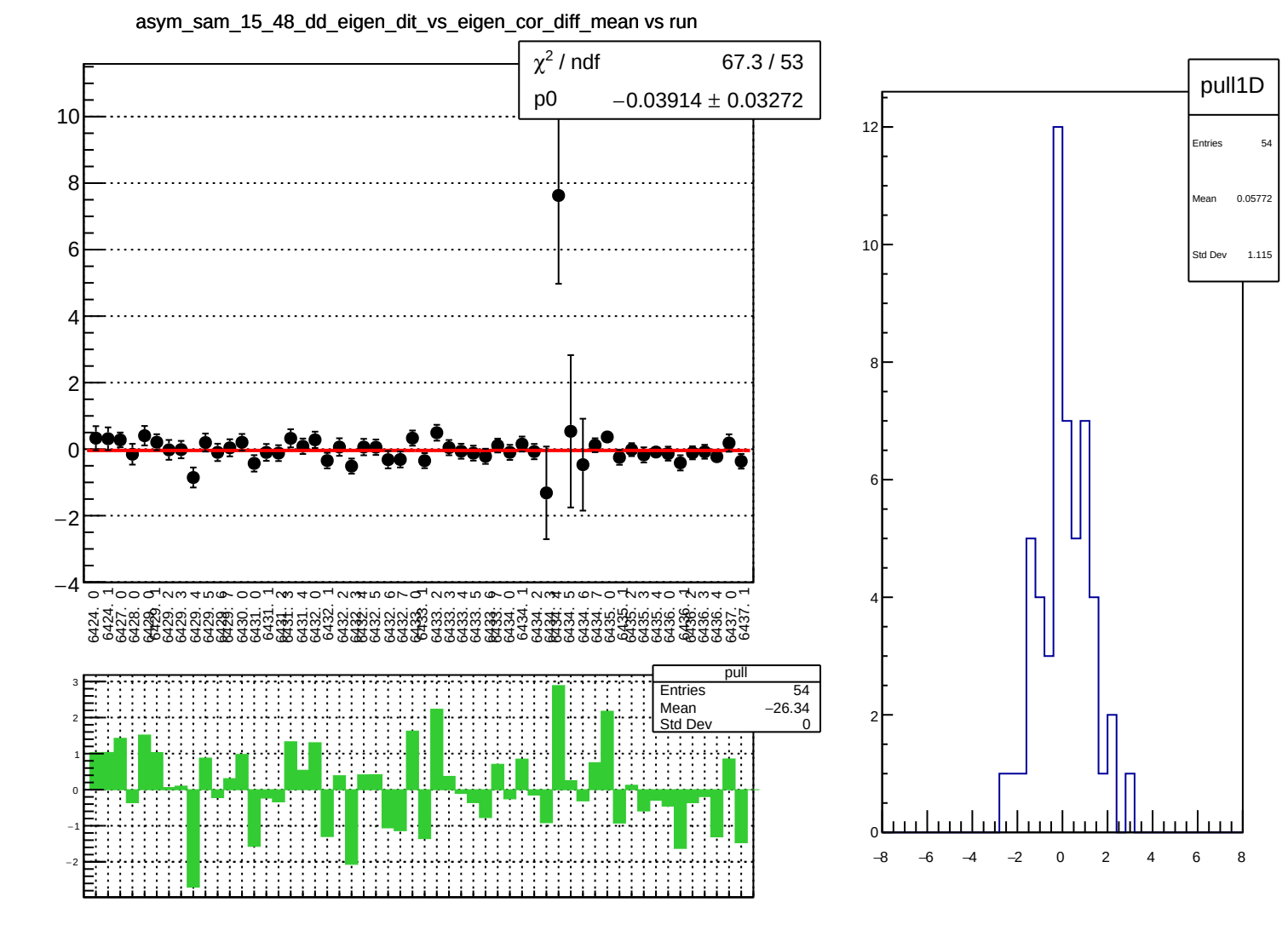

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.33 / 53
p0 6.744e−06 ± 4.888e−06
pull
Entries 54
Mean 27.62
Std Dev 0

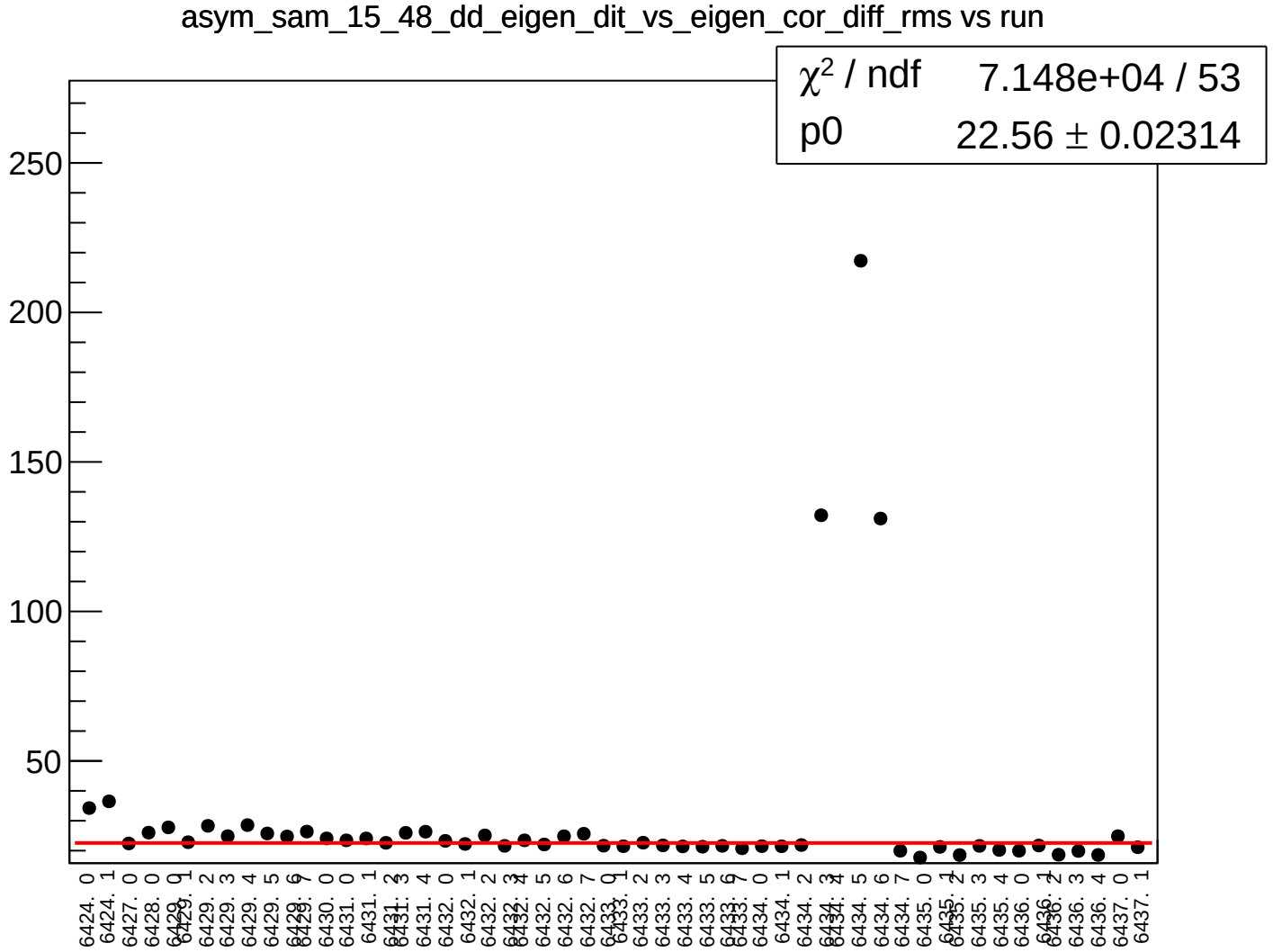

pull1D
Entries 54
Mean 0.002383
Std Dev 1.133

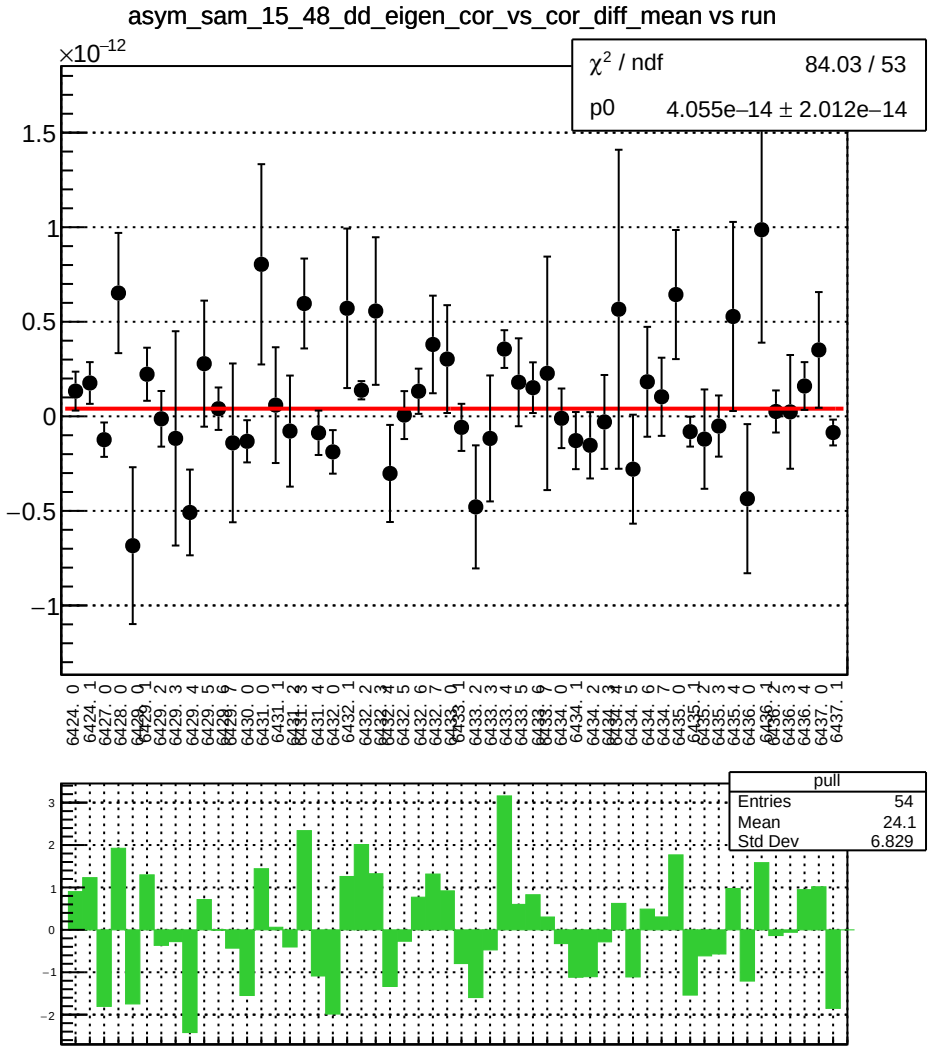

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2391 / 53
p0 0.003491 ± 3.456e−06
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

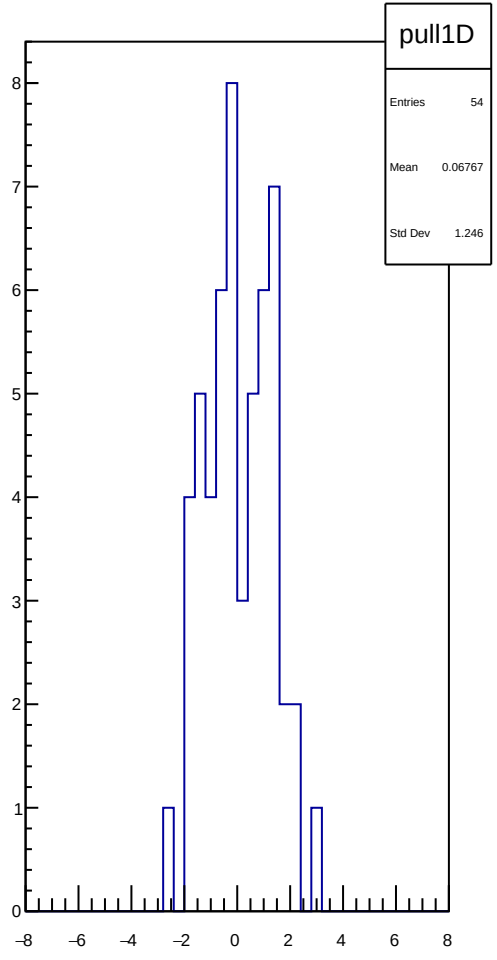

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.3 / 53
p0 −0.03914 ± 0.03272
pull
Entries 54
Mean −26.34
Std Dev 0
pull1D
Entries 54
Mean 0.05772
Std Dev 1.115

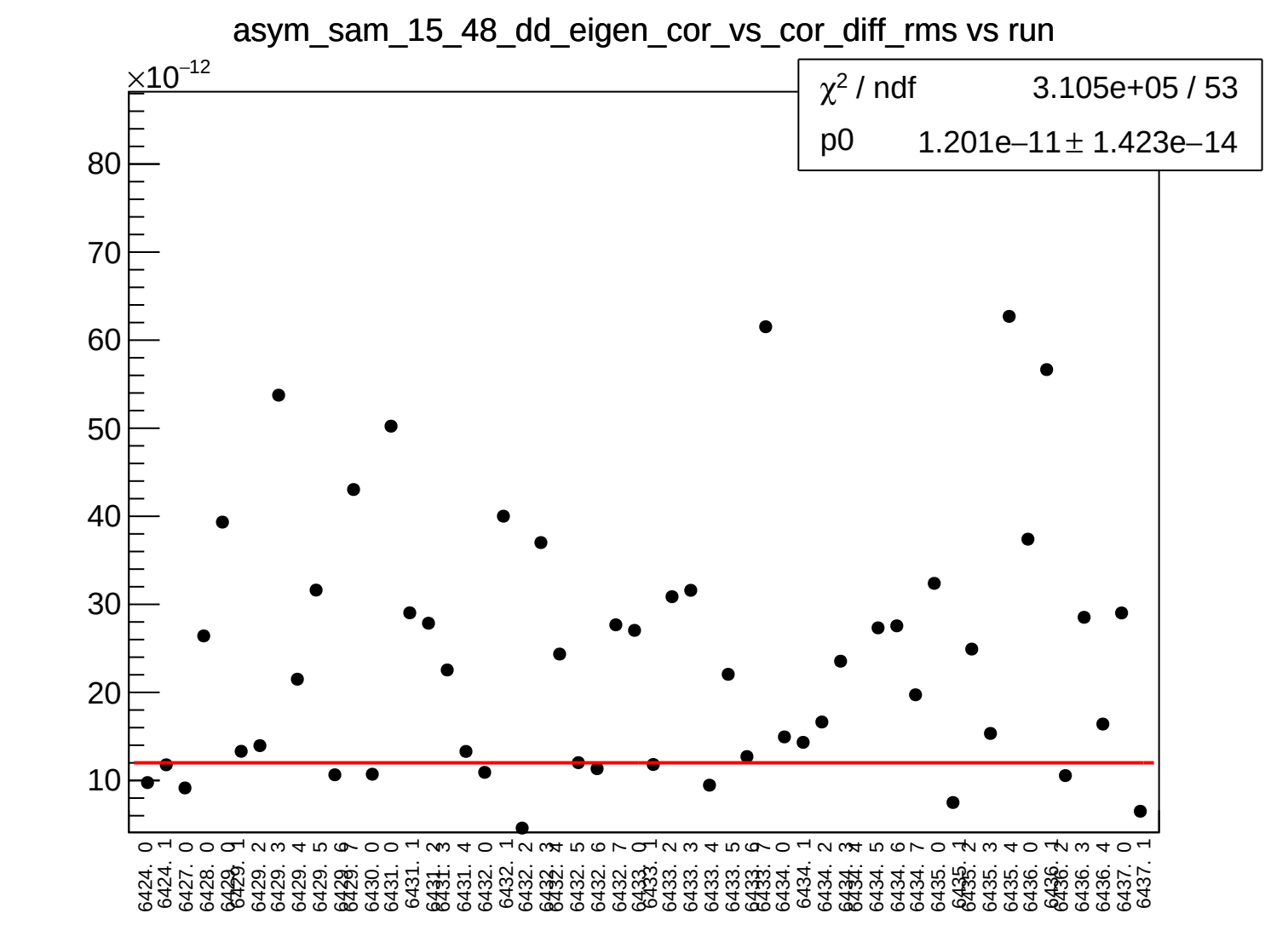

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.148e+04 / 53
p0 22.56 ± 0.02314
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

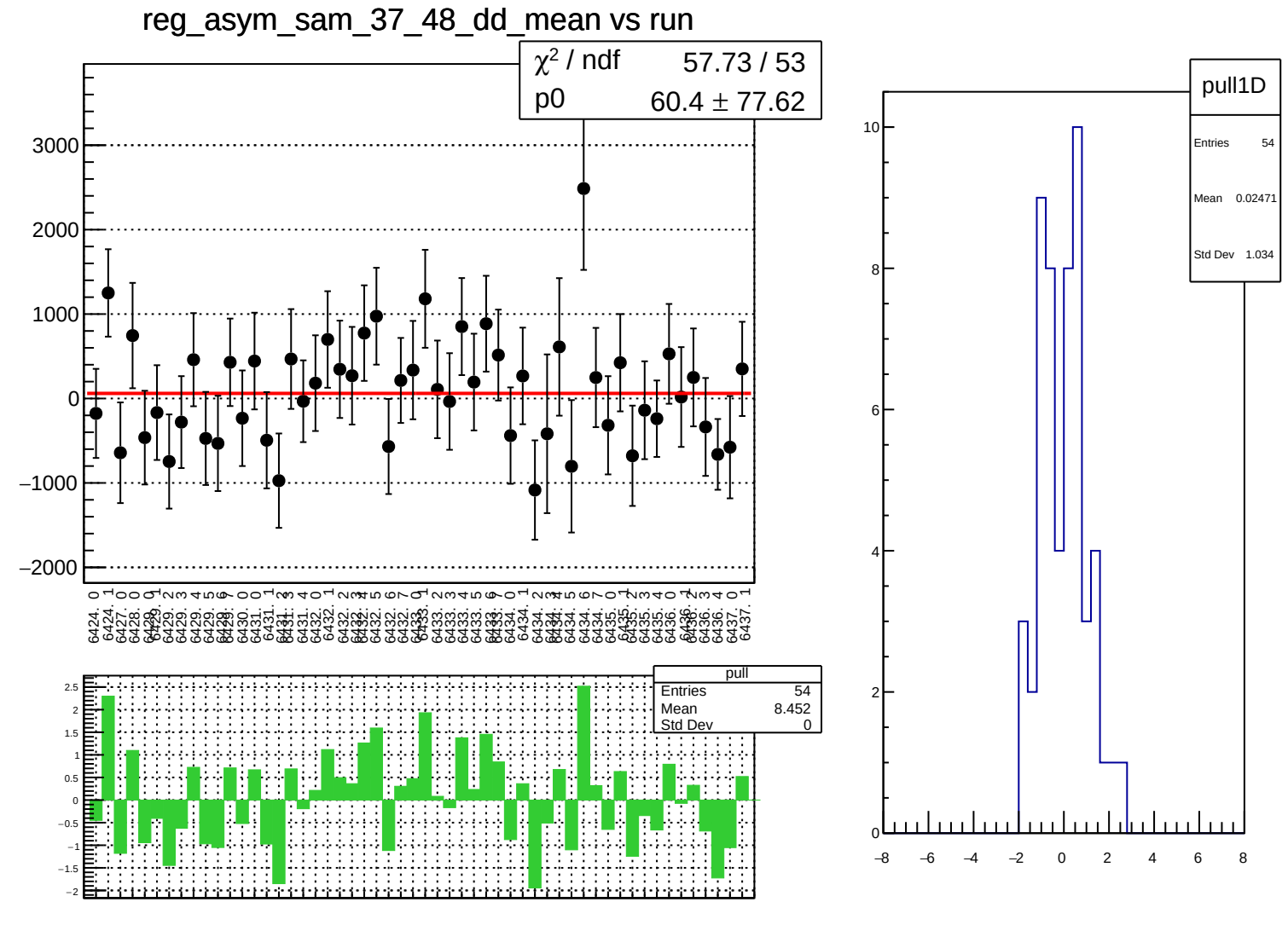

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.3 / 53
p0 −0.03914 ± 0.03272
pull
Entries 54
Mean −26.34
Std Dev 0
pull1D
Entries 54
Mean 0.05772
Std Dev 1.115

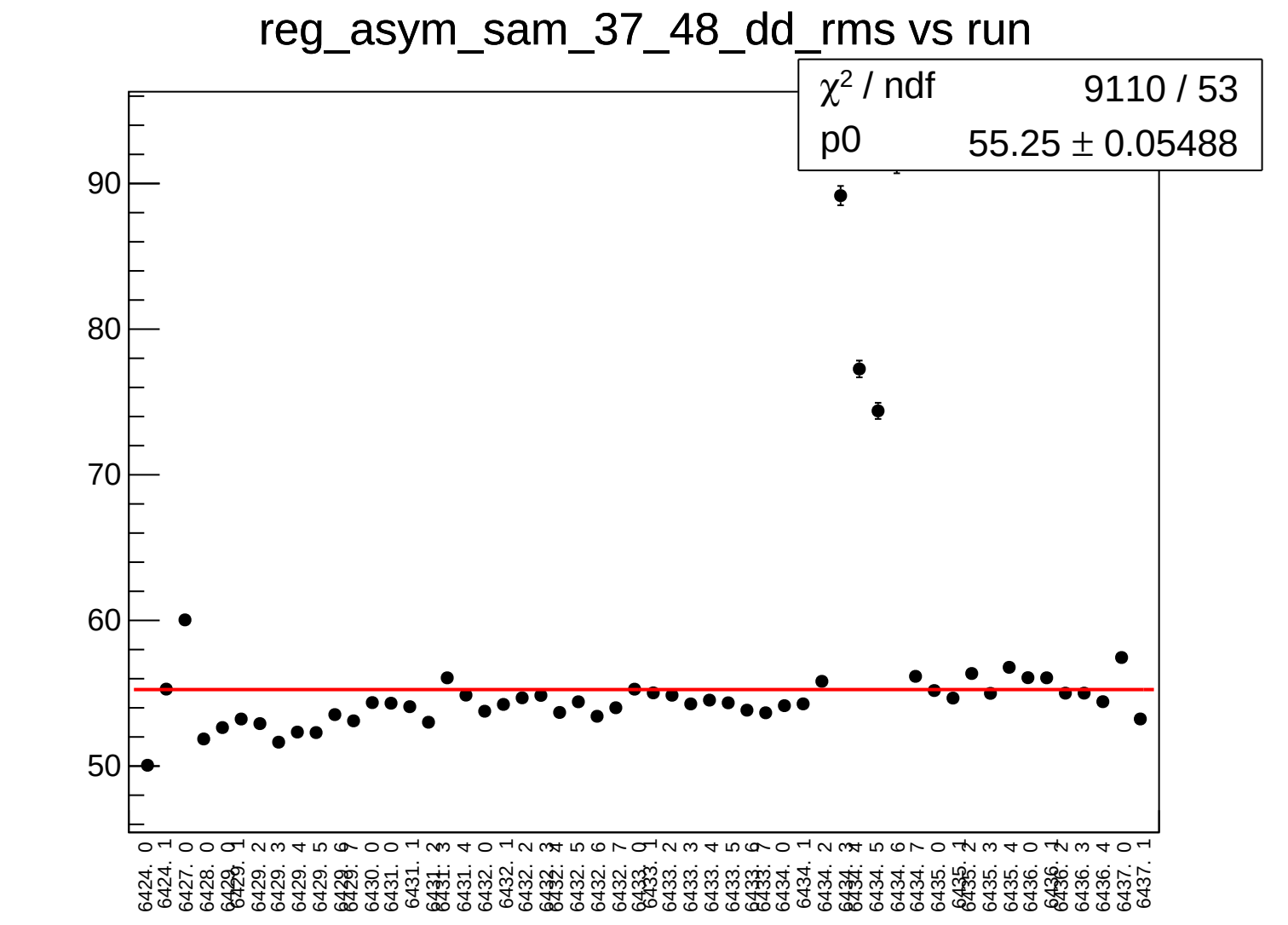

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.148e+04 / 53
p0 22.56 ± 0.02314
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

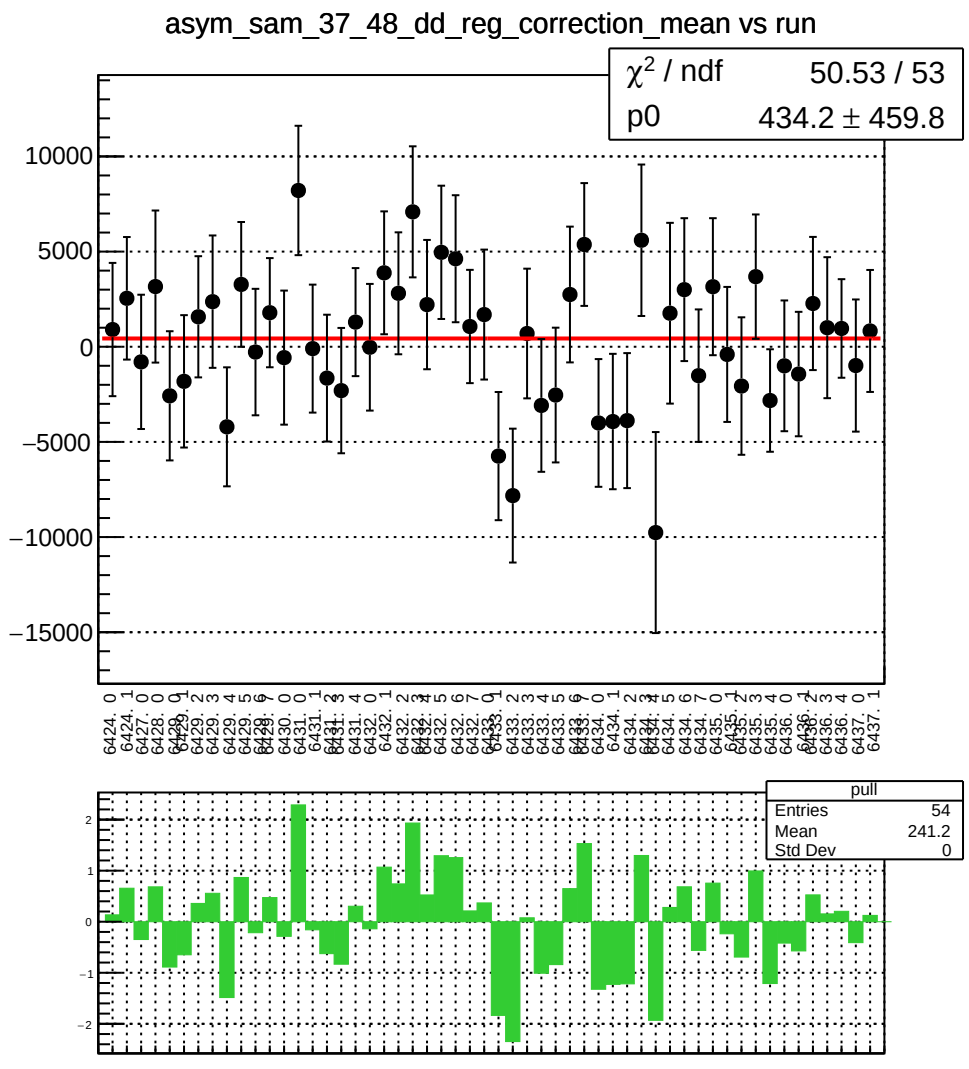

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.03 / 53
p0 4.055e−14 ± 2.012e−14
pull
Entries 54
Mean 24.1
Std Dev 6.829

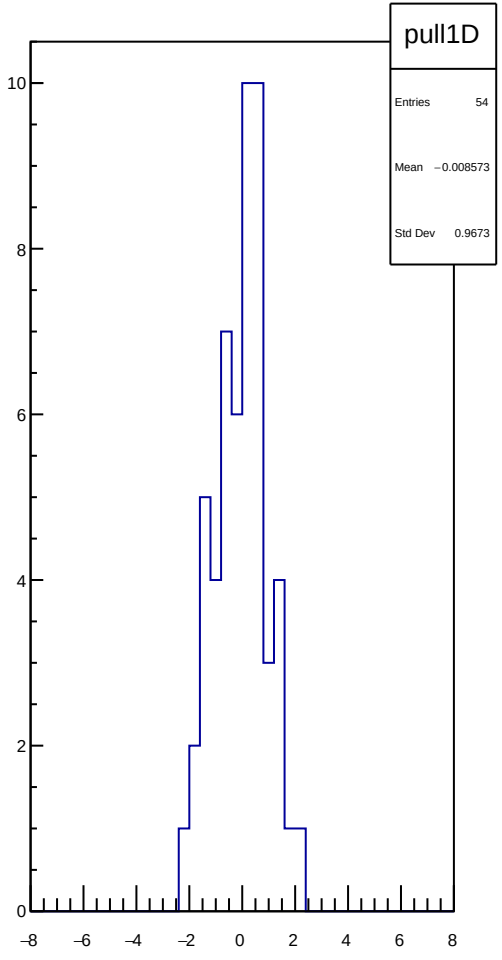

pull1D
Entries 54
Mean 0.06767
Std Dev 1.246

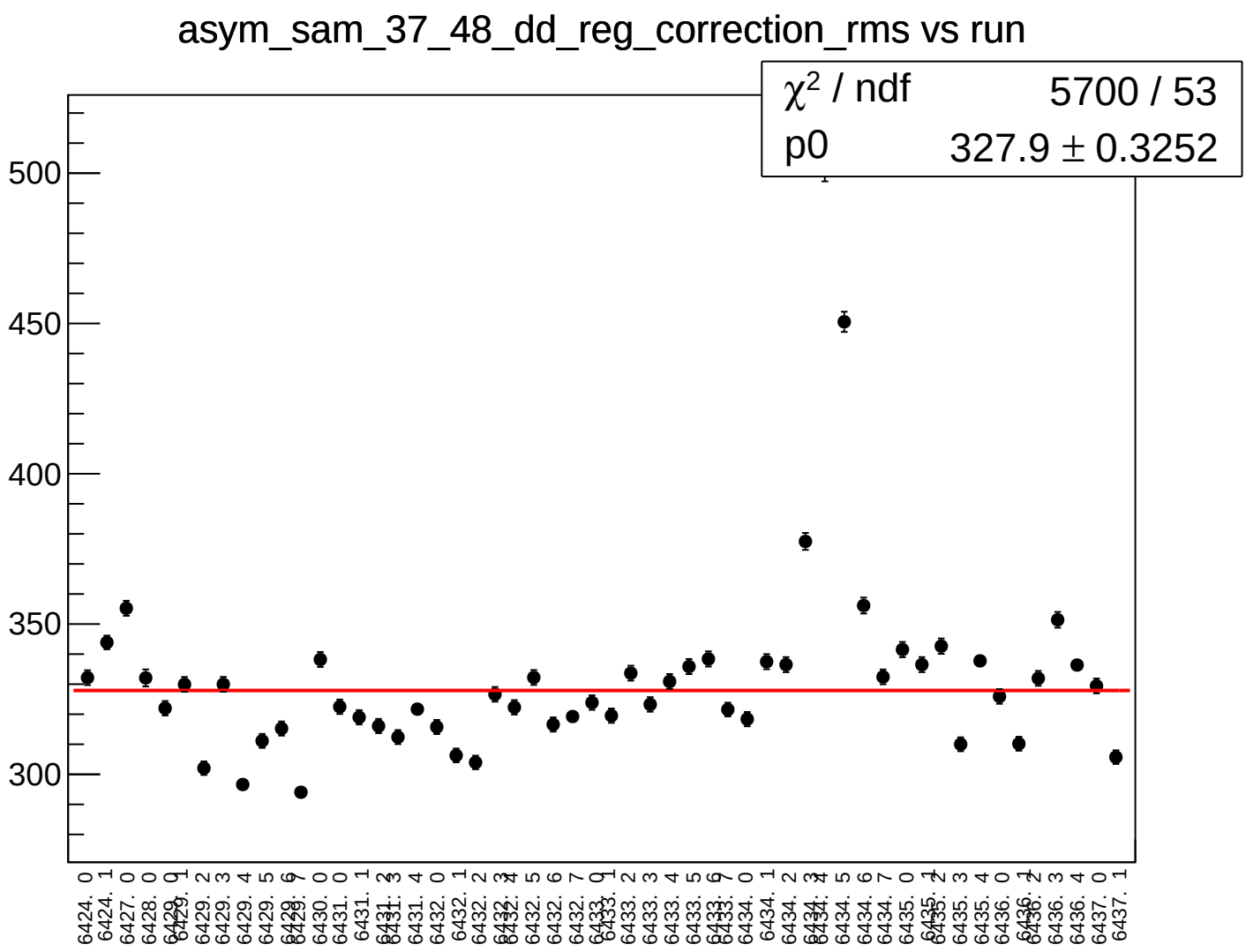

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.105e+05 / 53
p0 1.201e−11 ± 1.423e−14
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6432. 0
6432. 1
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

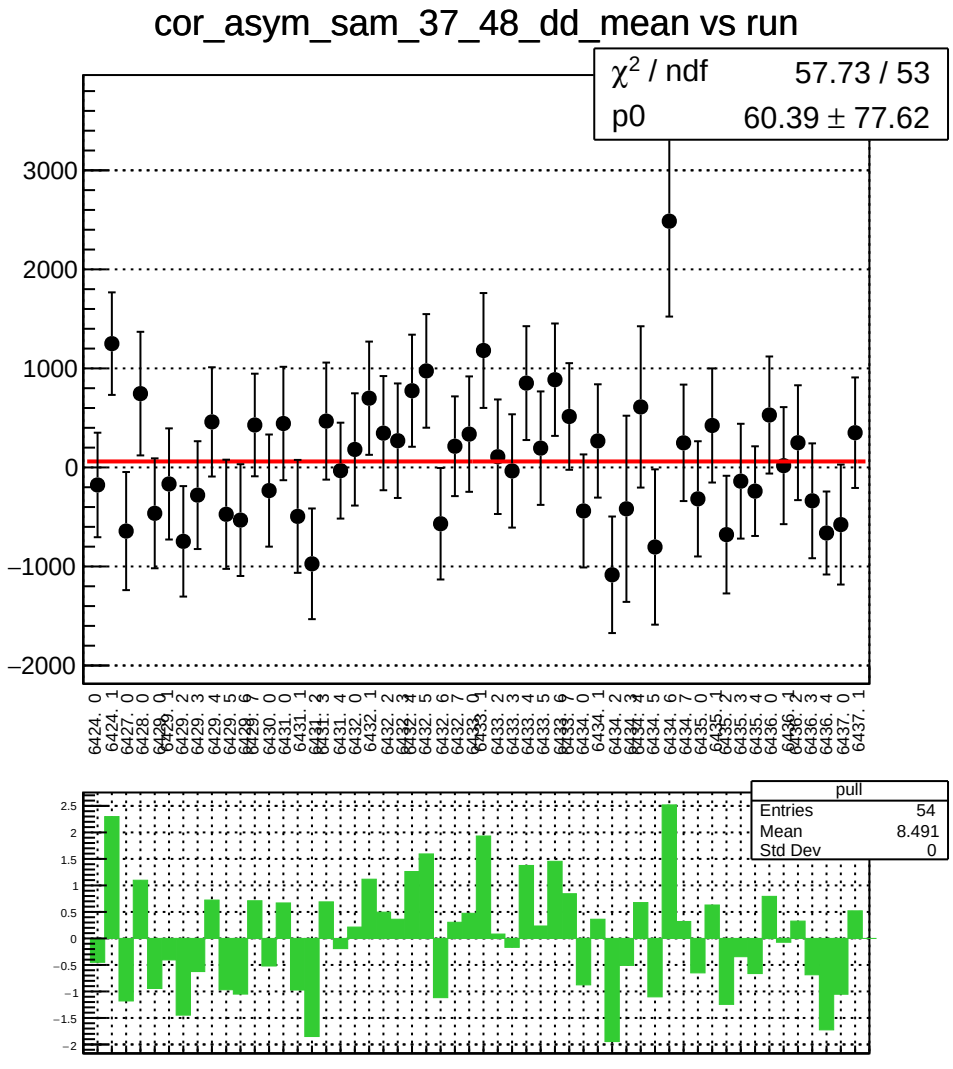

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.73 / 53
p0 60.4 ± 77.62
pull
Entries 54
Mean 8.452
Std Dev 0
pull1D
Entries 54
Mean 0.02471
Std Dev 1.034

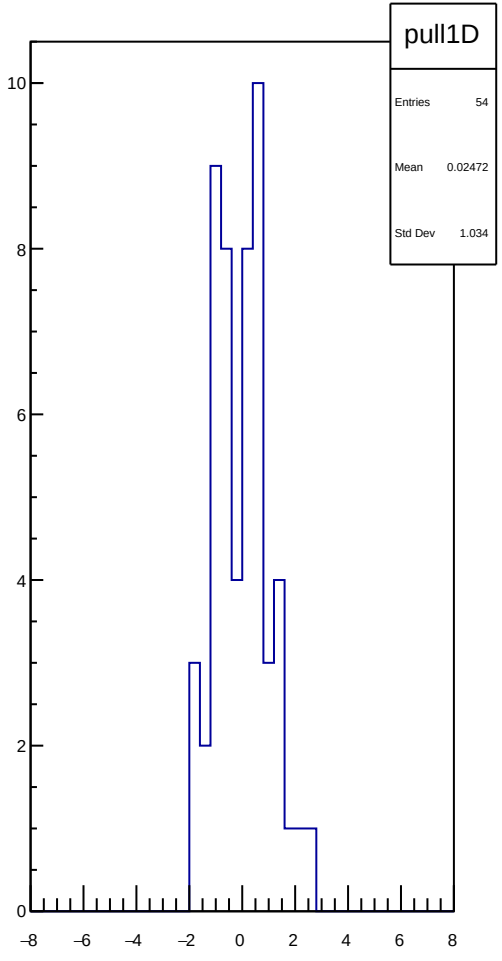

reg_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9110 / 53
p0 55.25 ± 0.05488
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

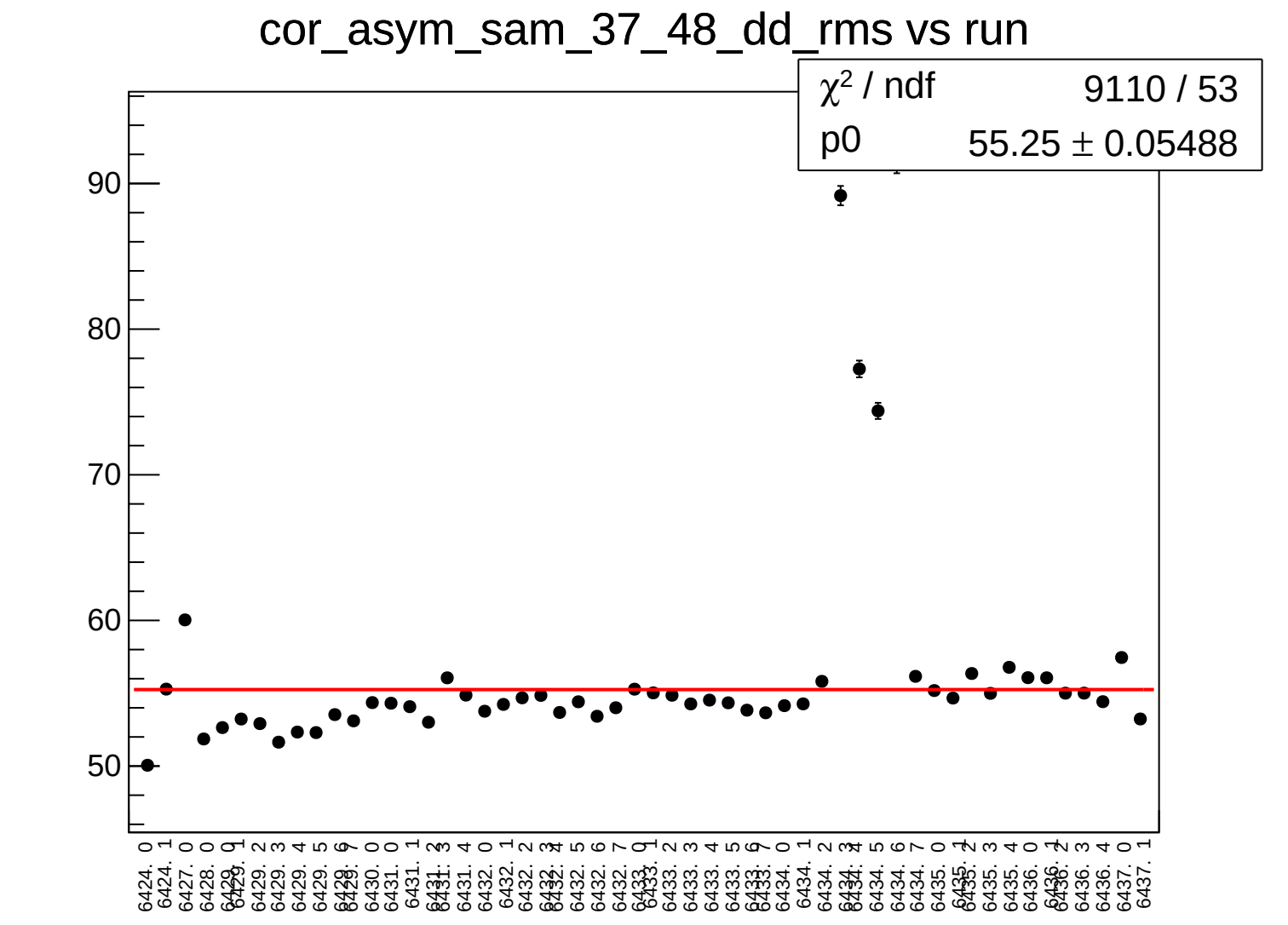

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 50.53 / 53
p0 434.2 ± 459.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 241.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.008573
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 5700 / 53
p0 327.9 ± 0.3252
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.73 / 53
p0 60.39 ± 77.62
pull
Entries 54
Mean 8.491
Std Dev 0


pull1D
Entries 54
Mean 0.02472
Std Dev 1.034


cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9110 / 53
p0 55.25 ± 0.05488
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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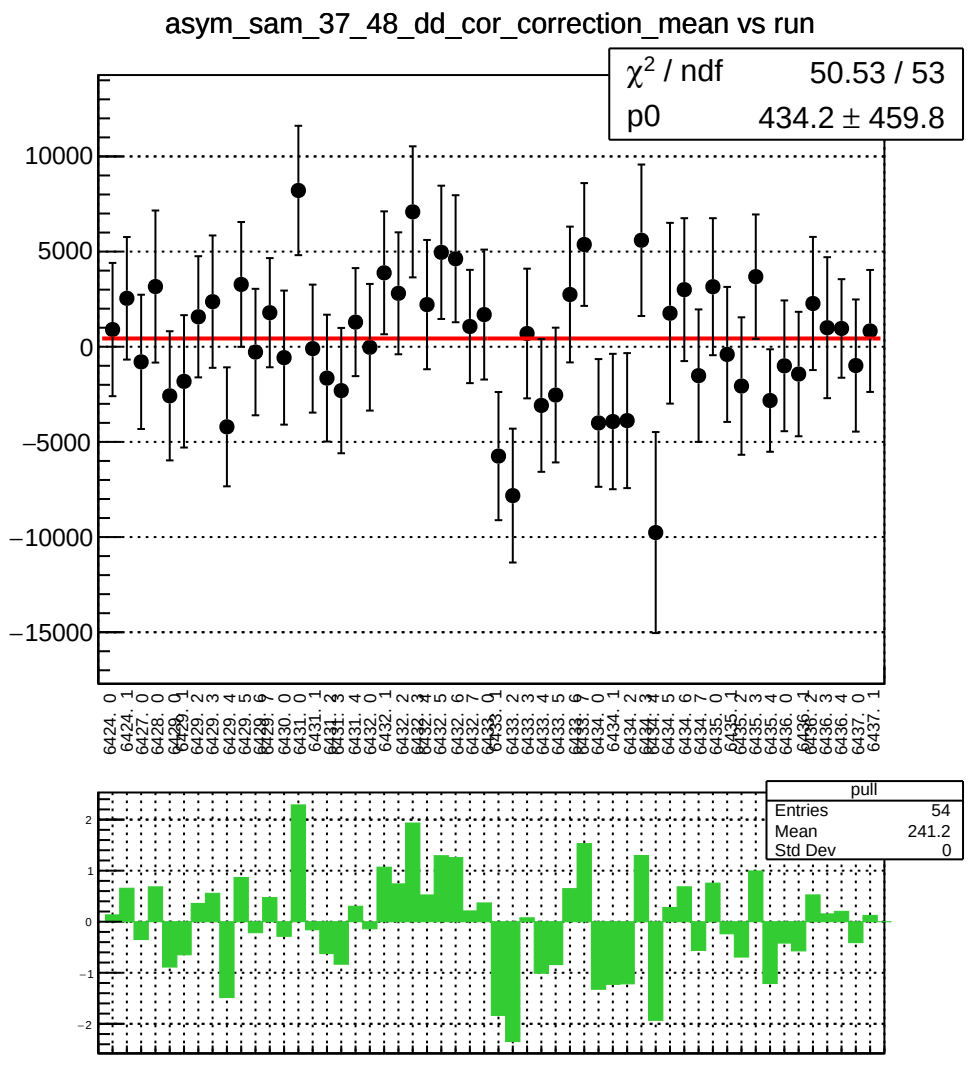
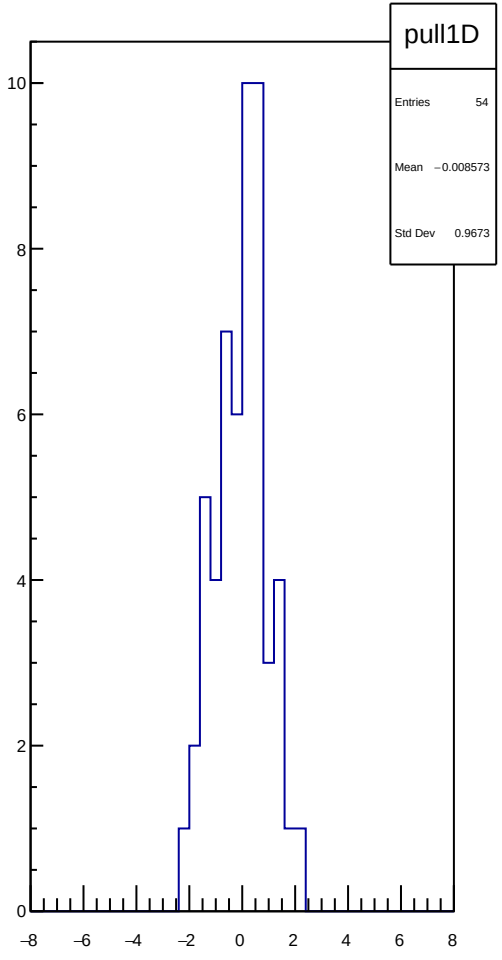
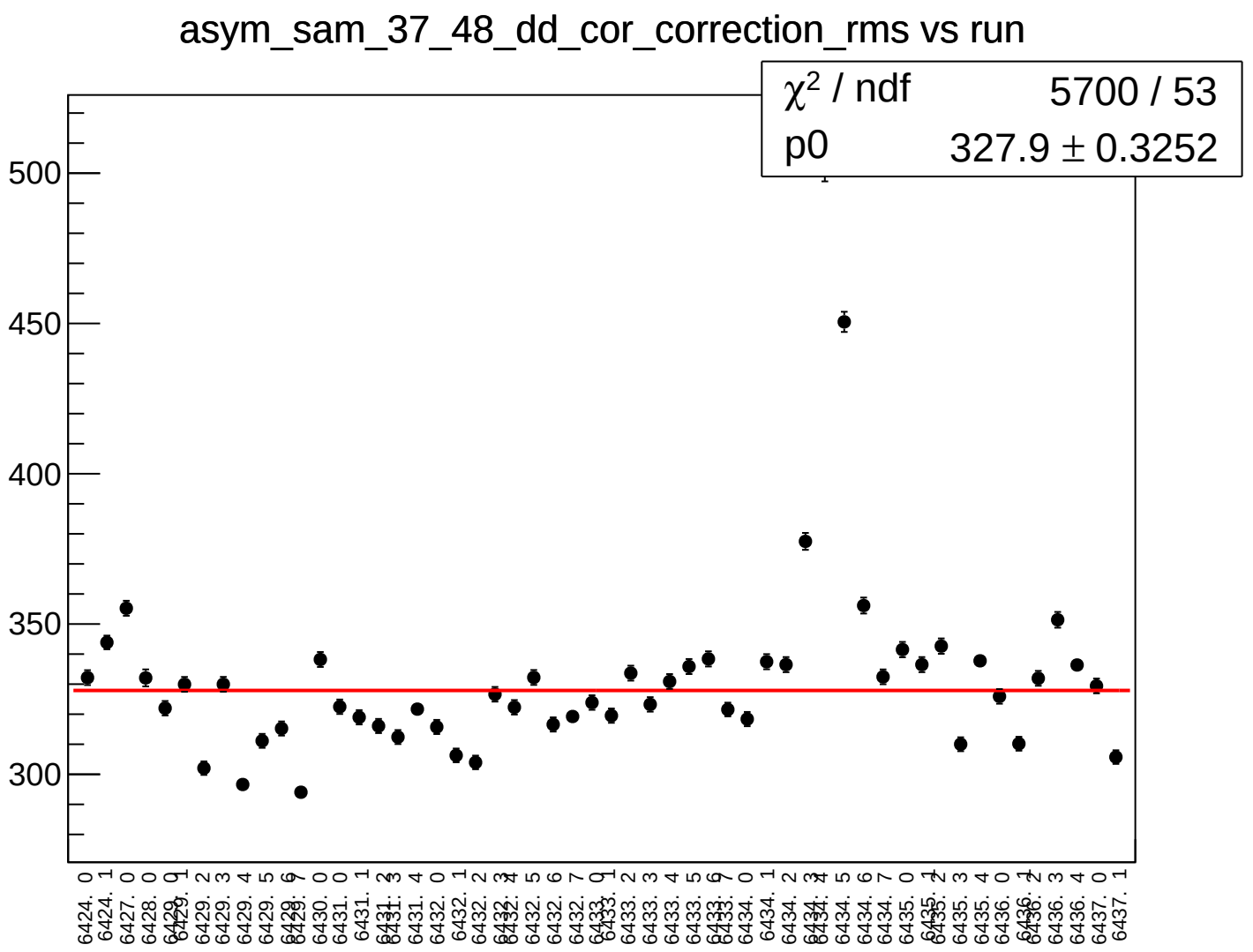
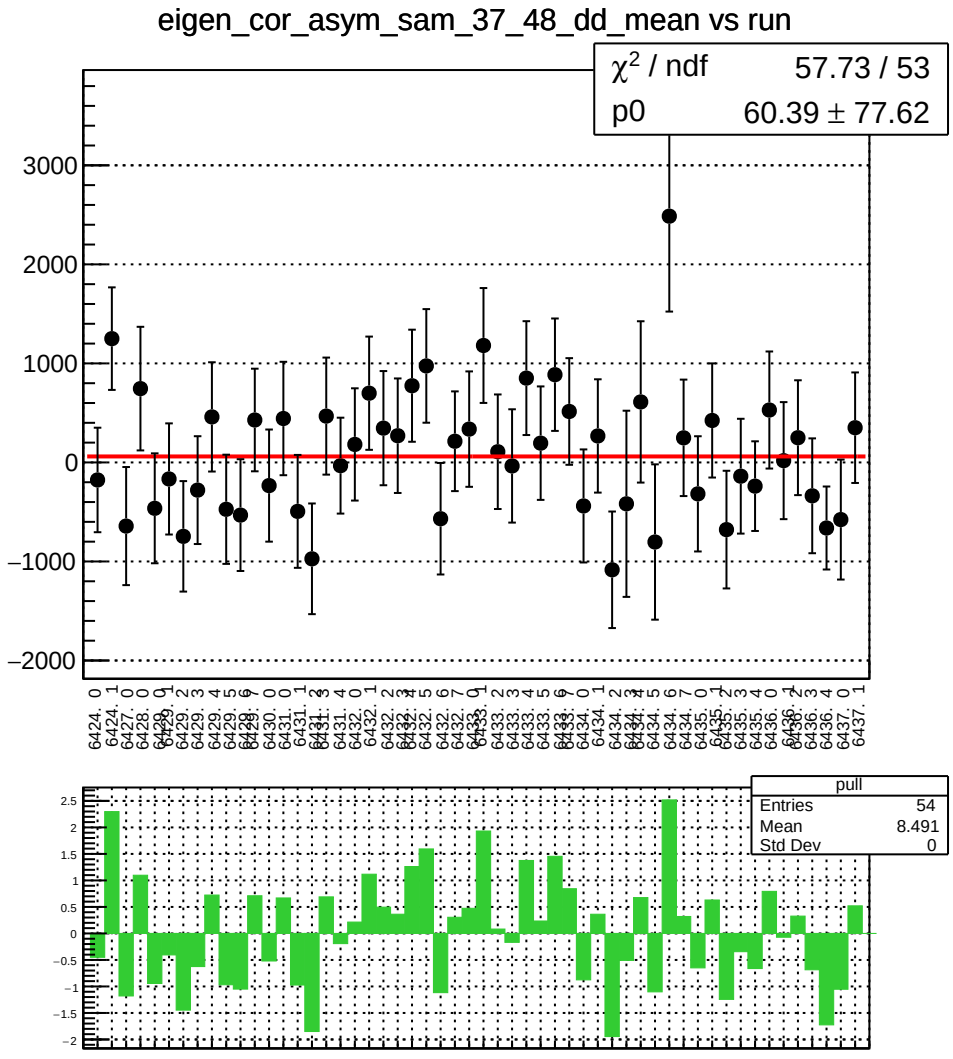
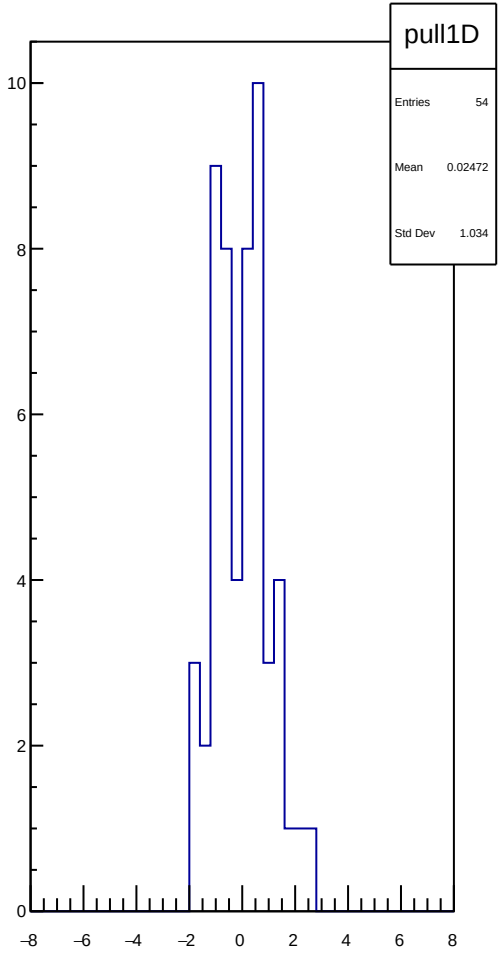
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

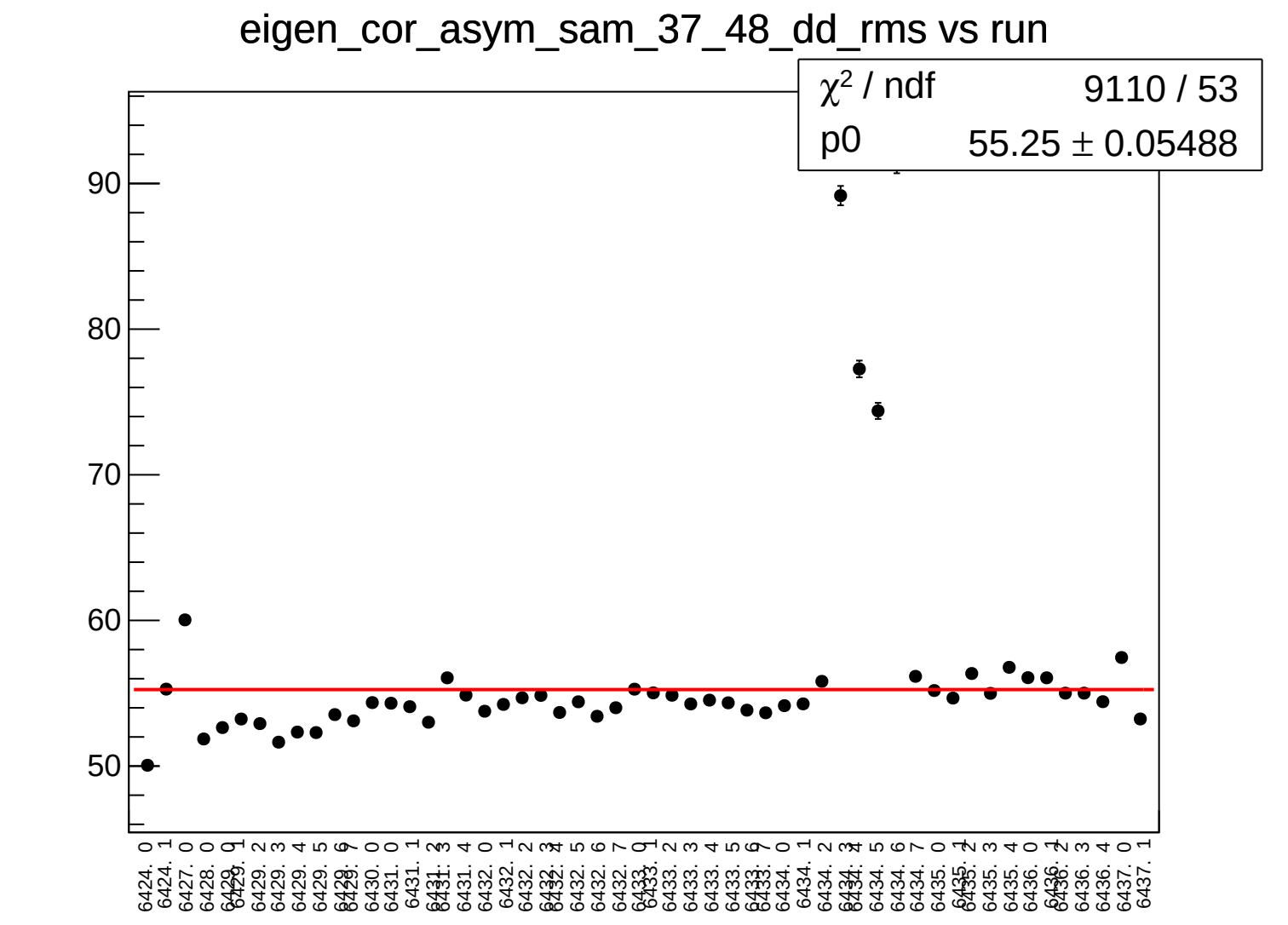

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 50.53 / 53
p0 434.2 ± 459.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 241.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.008573
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 5700 / 53
p0 327.9 ± 0.3252
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 57.73 / 53
p0 60.39 ± 77.62
pull
Entries 54
Mean 8.491
Std Dev 0


pull1D
Entries 54
Mean 0.02472
Std Dev 1.034


eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9110 / 53
p0 55.25 ± 0.05488
90
80
70
60
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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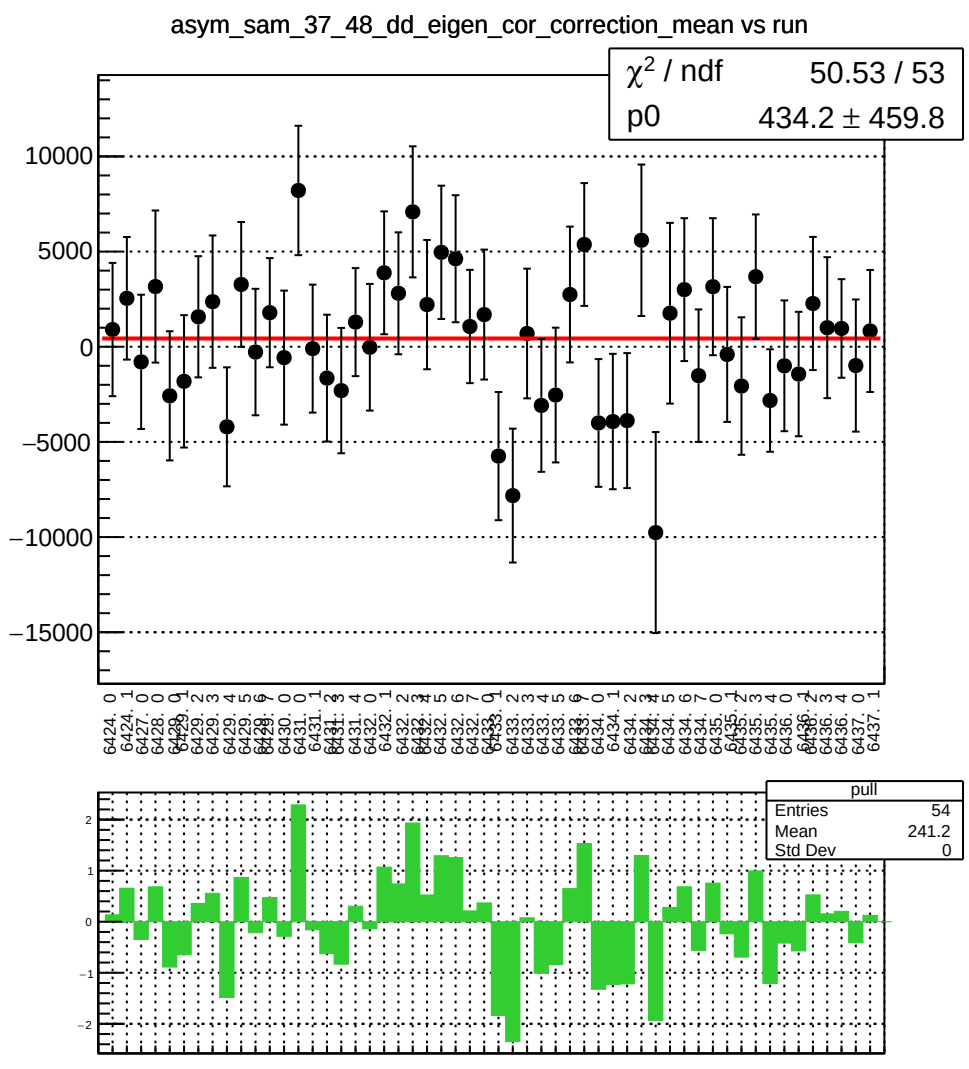
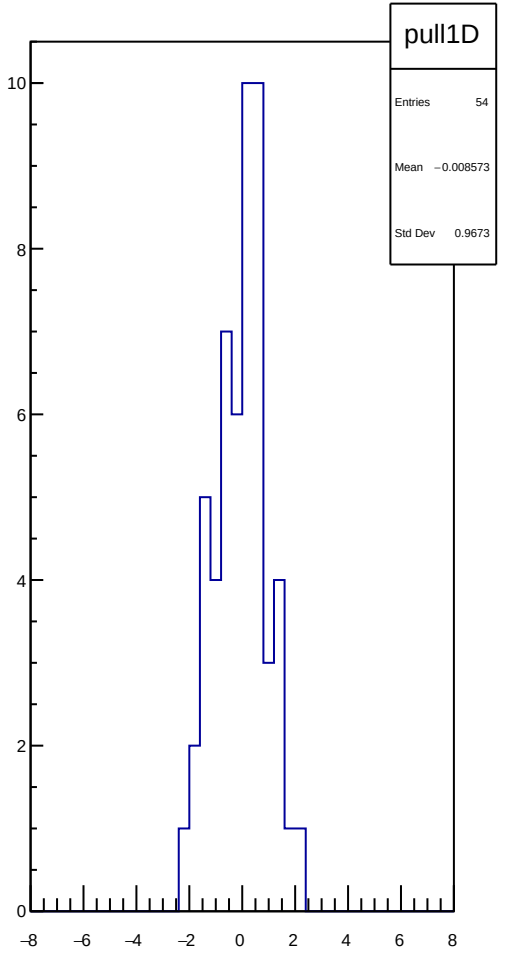
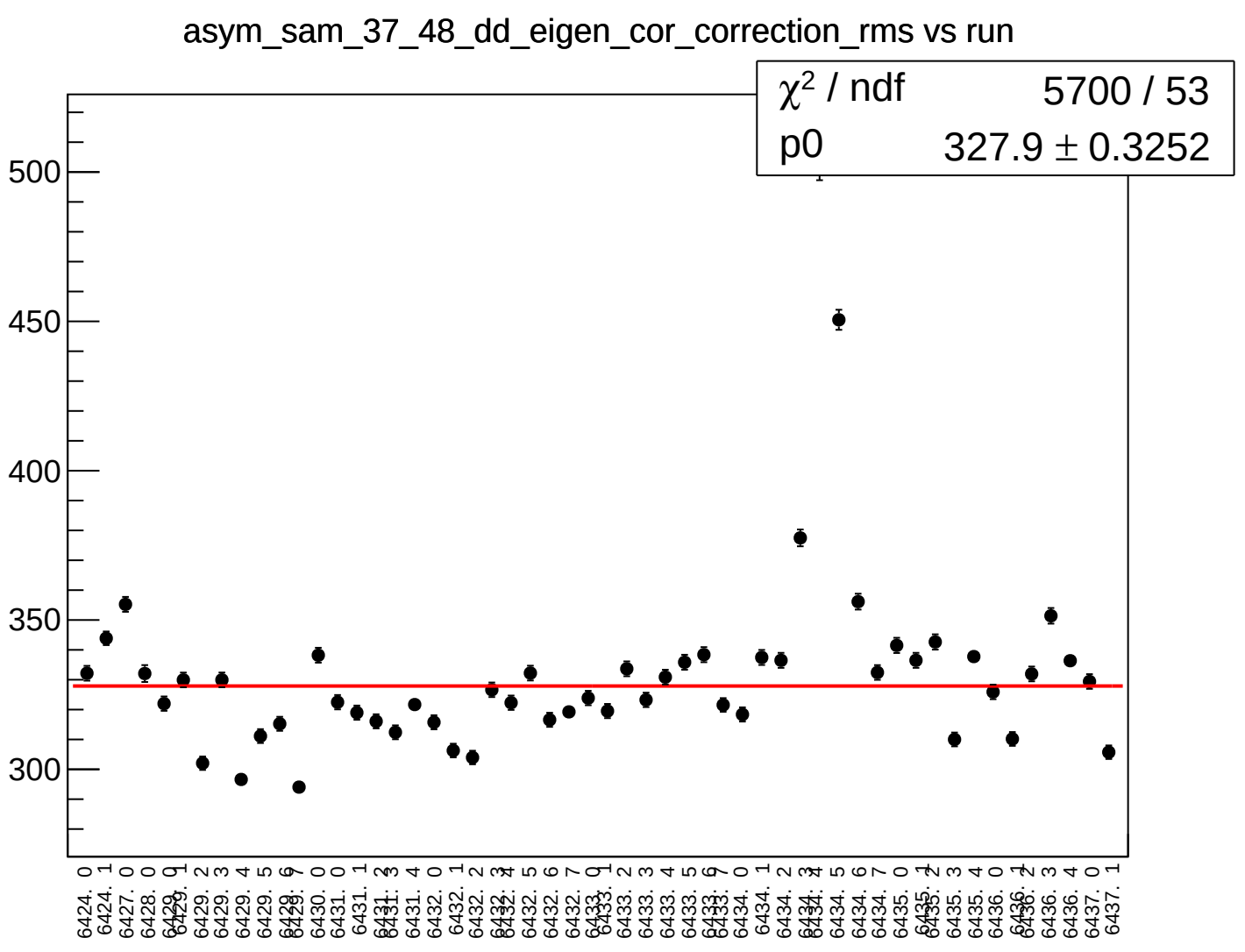
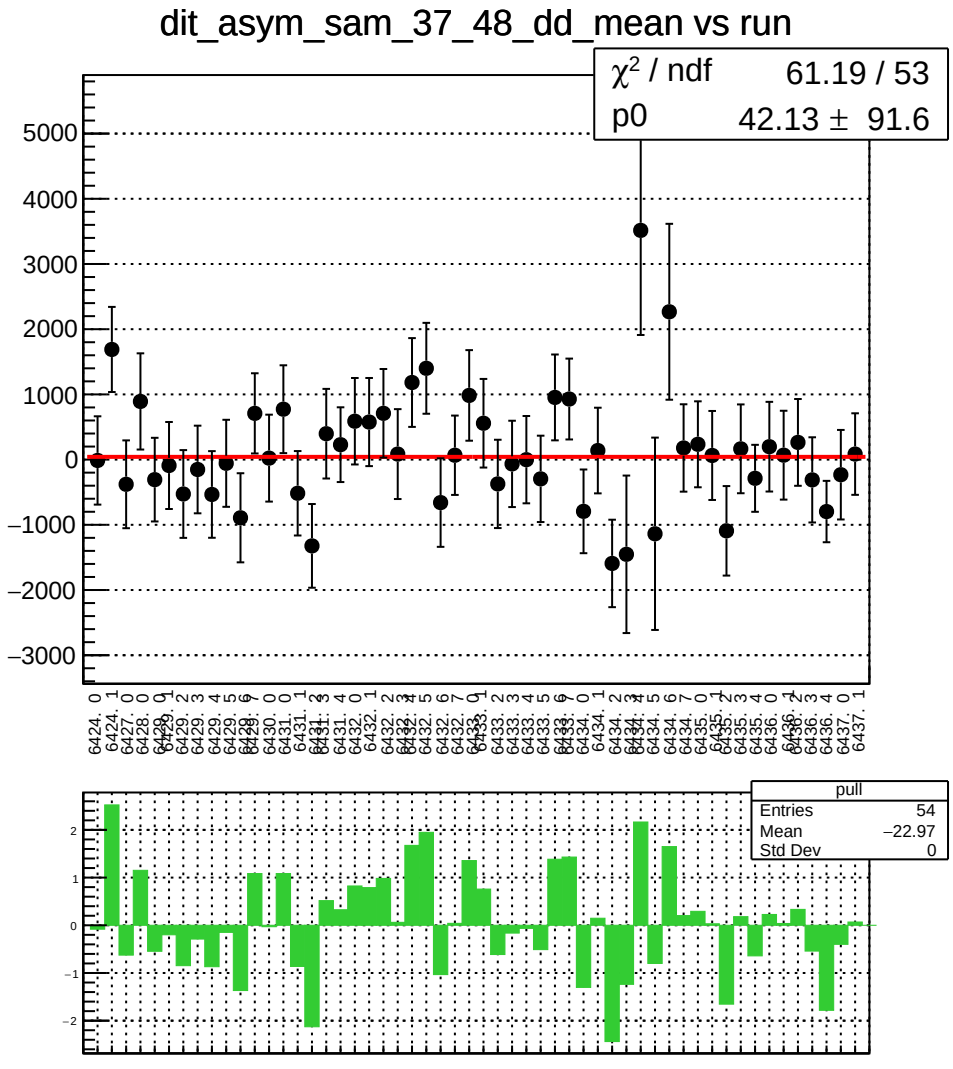
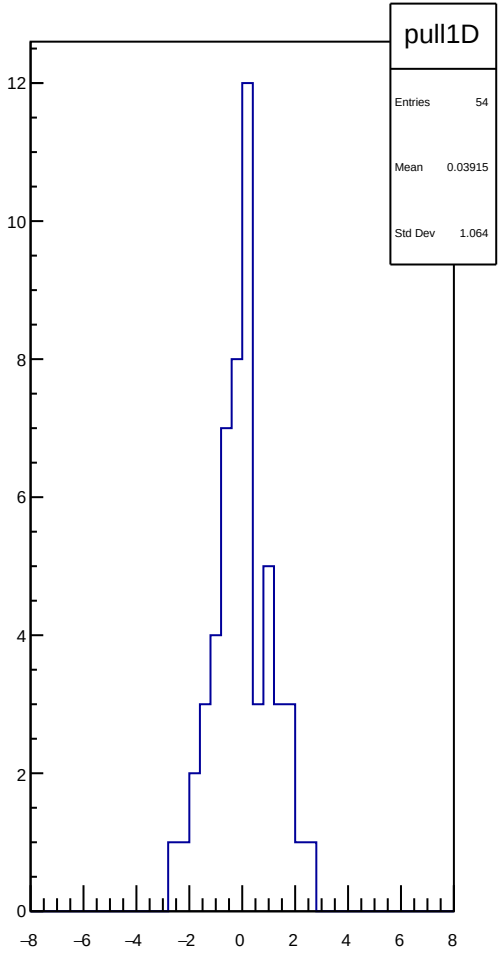
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

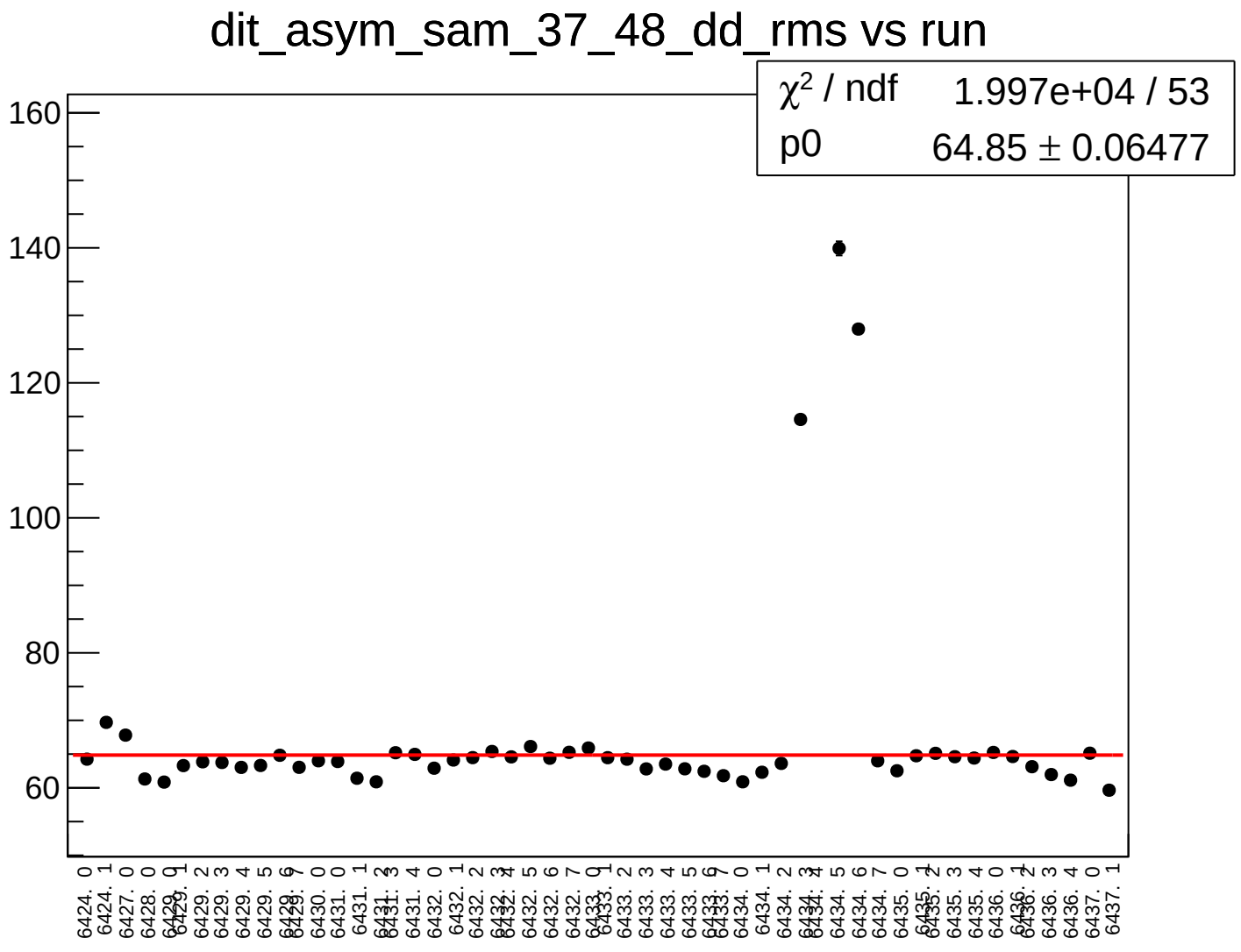

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.53 / 53
p0 434.2 ± 459.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 241.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.008573
Std Dev 0.9673
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 5700 / 53
p0 327.9 ± 0.3252
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.19 / 53
p0 42.13 ± 91.6
pull
Entries 54
Mean −22.97
Std Dev 0


pull1D
Entries 54
Mean 0.03915
Std Dev 1.064


dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.997e+04 / 53
p0 64.85 ± 0.06477
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6434. 0
6434. 1
6434. 2
6434. 5
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6435. 0
6435. 3
6435. 4
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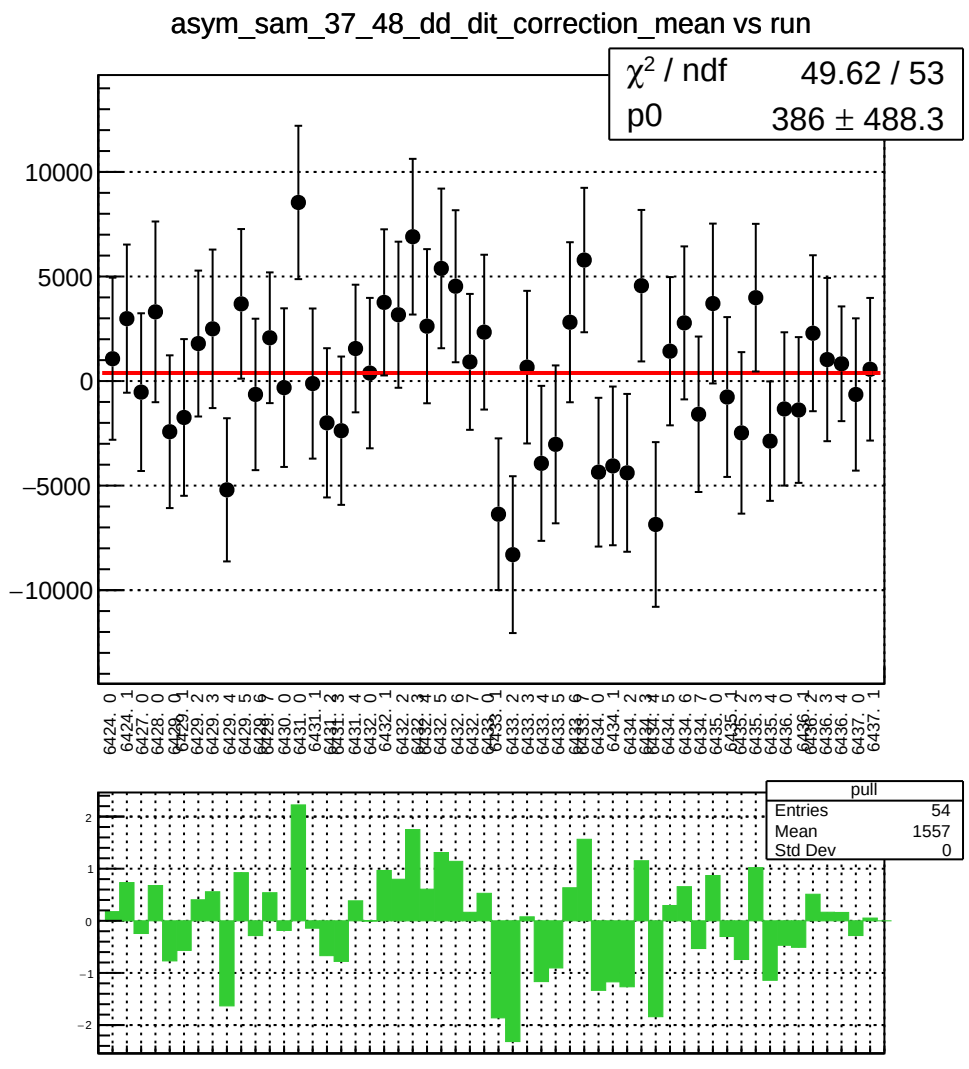
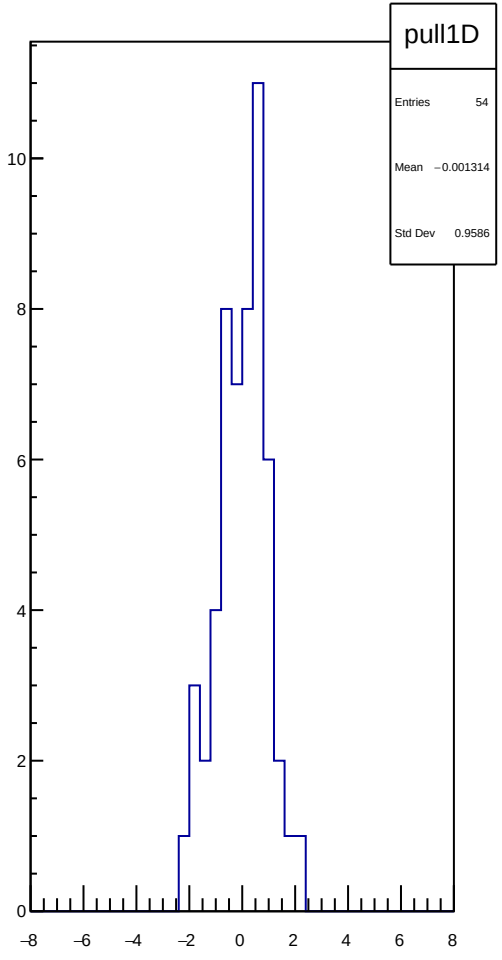
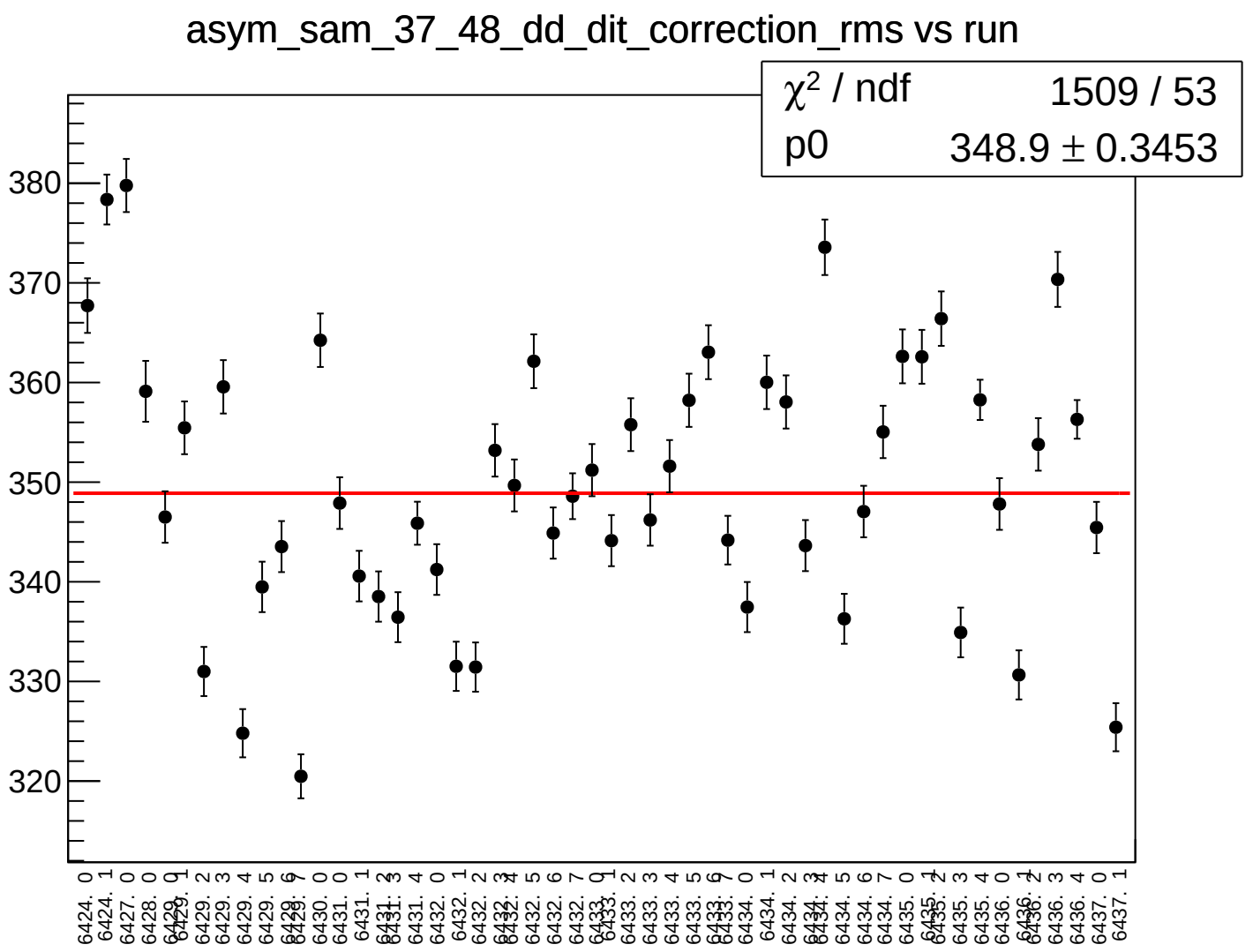
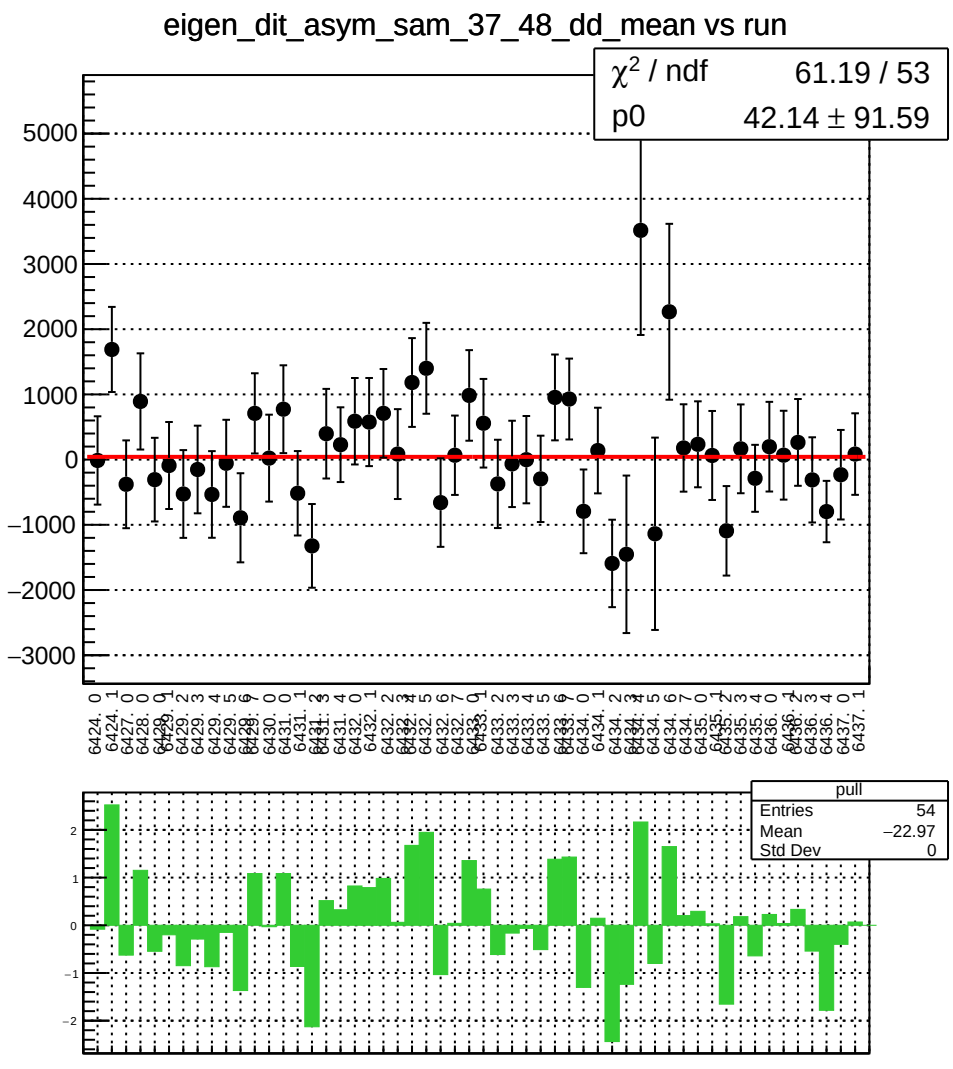
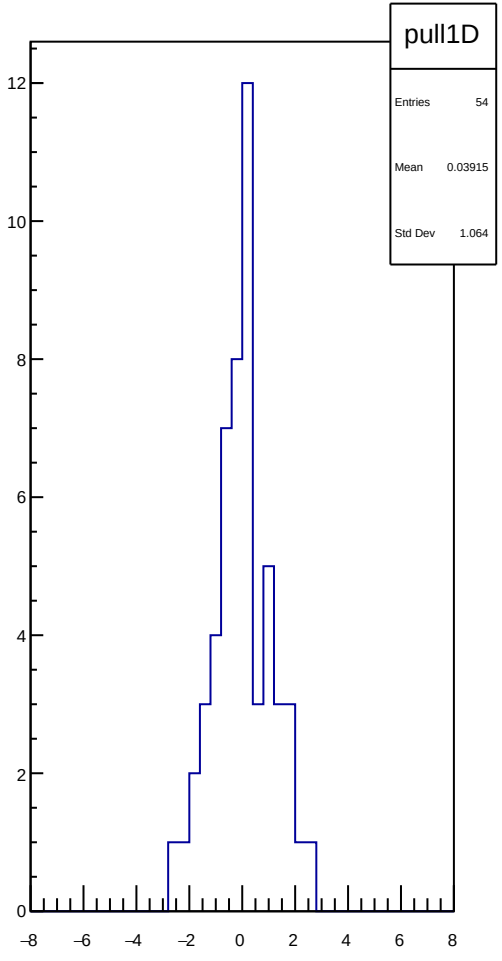
6437. 0
6437. 1

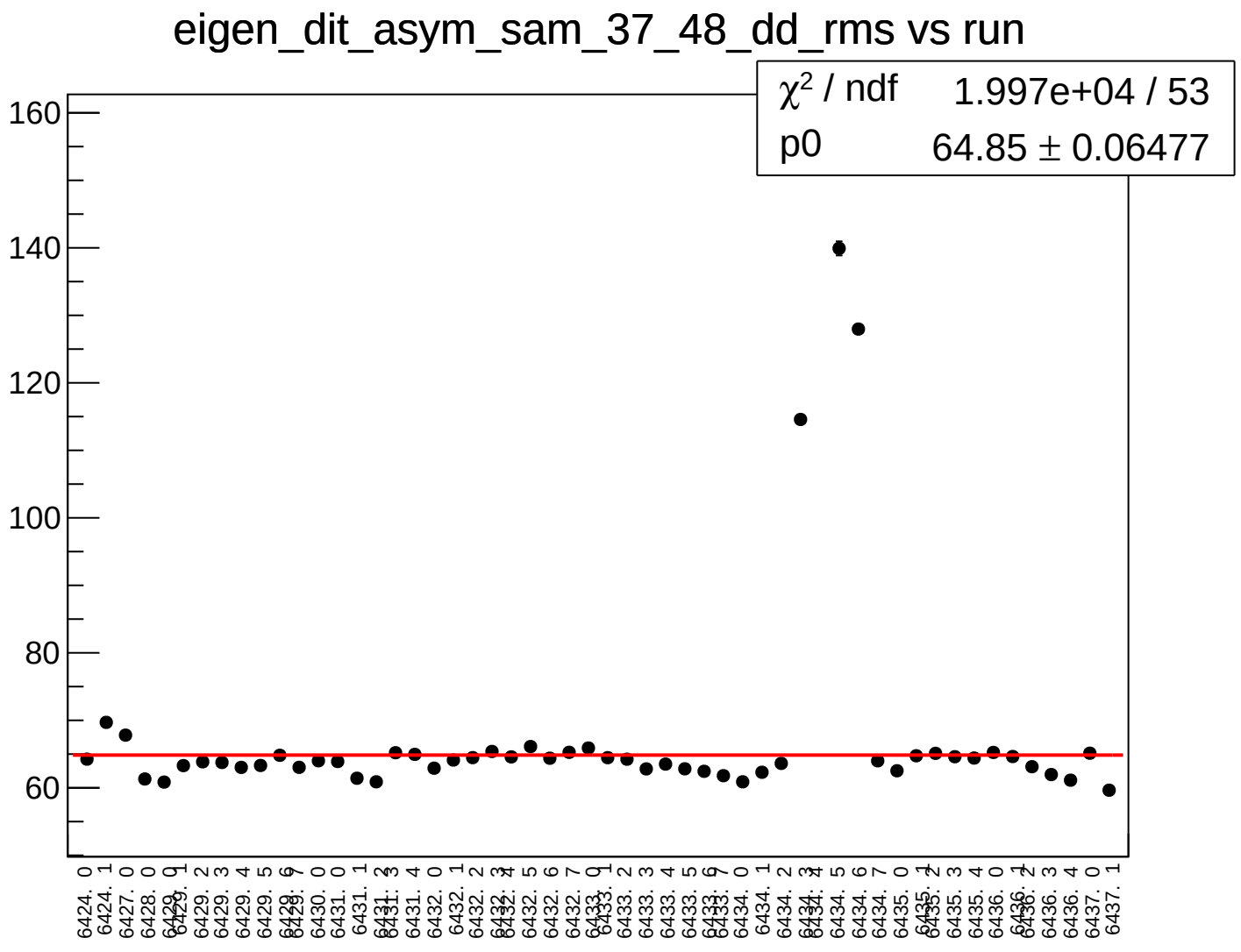

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 49.62 / 53
p0 386 ± 488.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1557
Std Dev 0
2
1
0
−1
−2

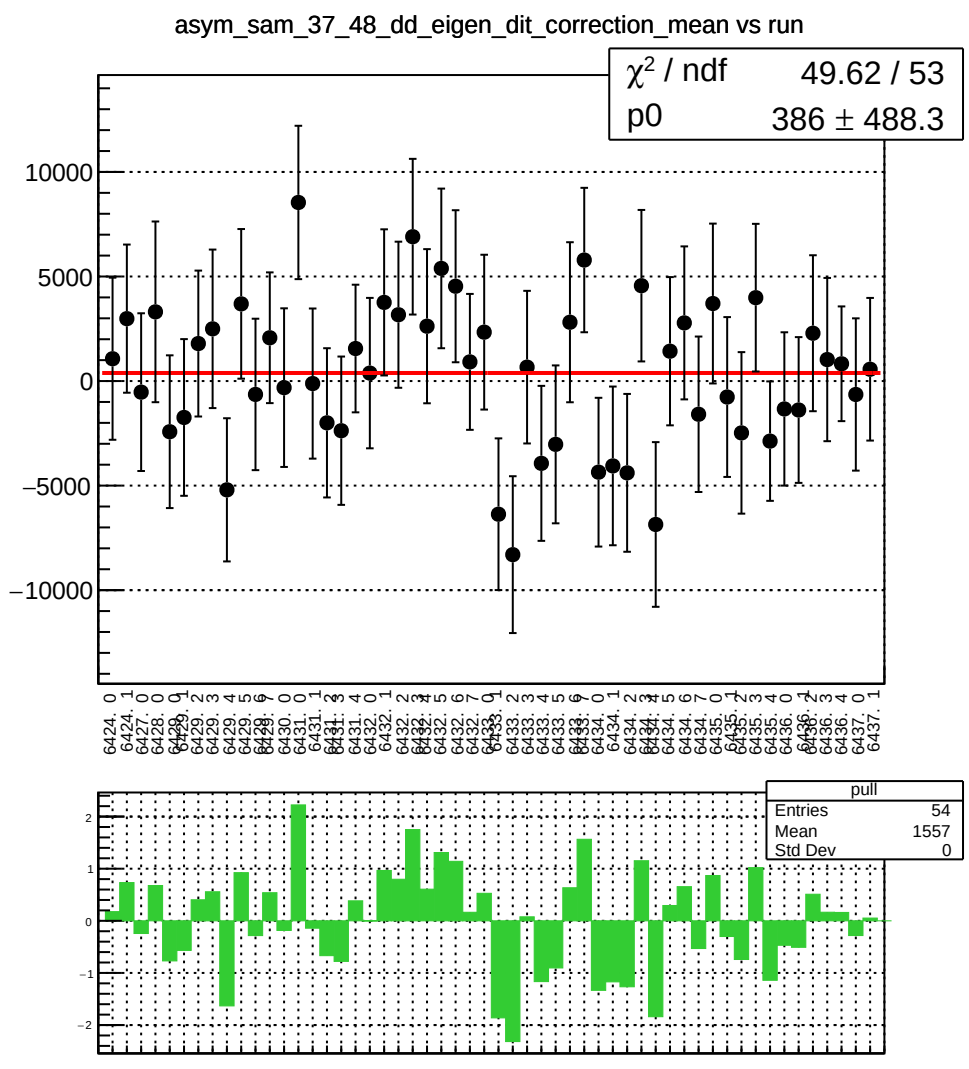

pull1D
Entries 54
Mean −0.001314
Std Dev 0.9586
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

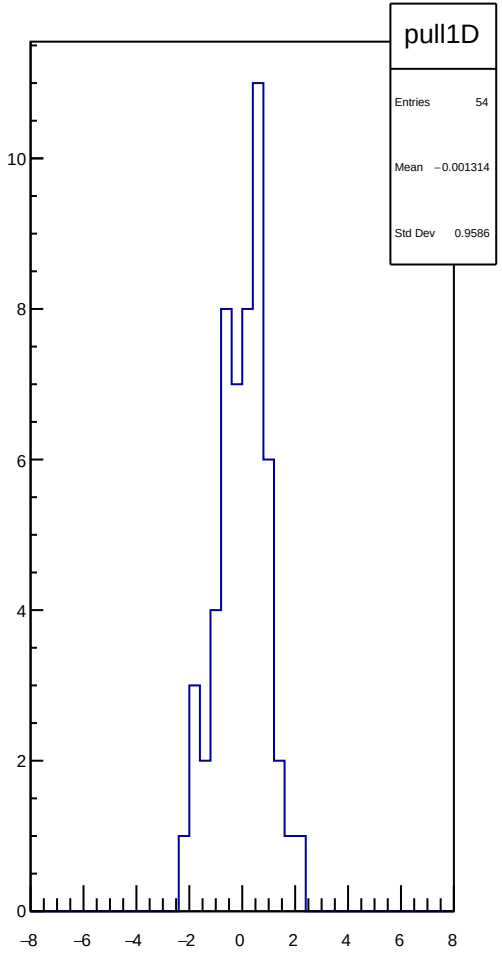

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 1509 / 53
p0 348.9 ± 0.3453
380
370
360
350
340
330
320
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

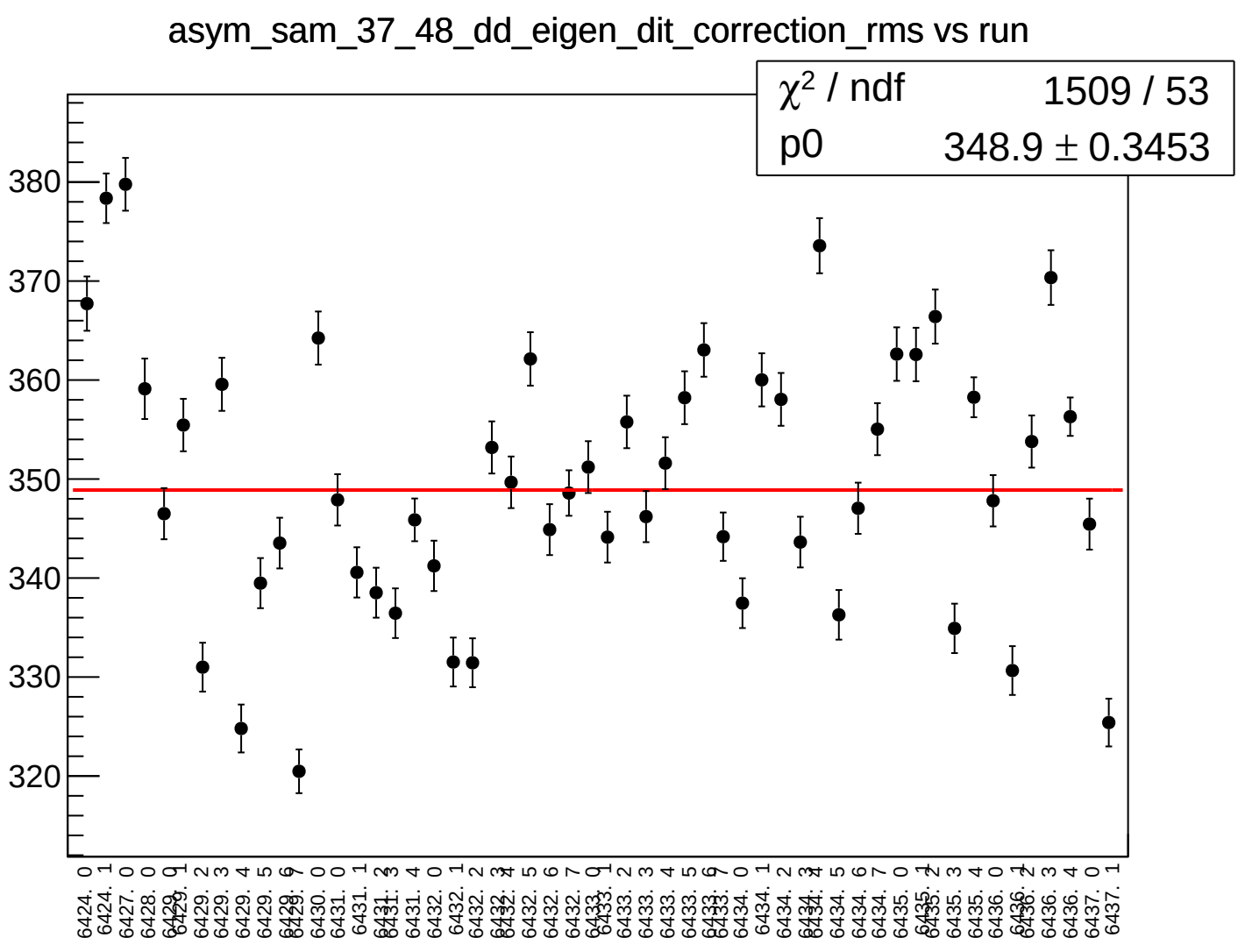

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.19 / 53
p0 42.14 ± 91.59
pull
Entries 54
Mean −22.97
Std Dev 0

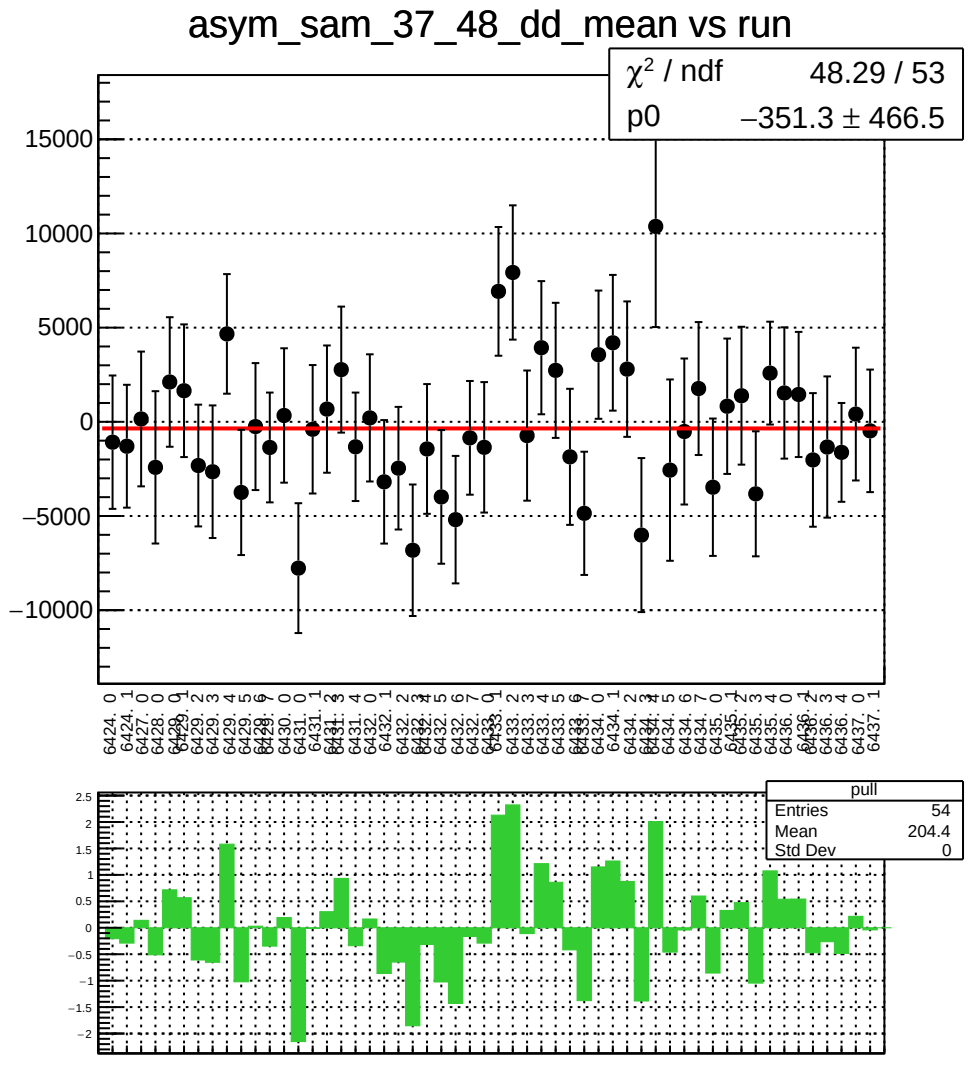

pull1D
Entries 54
Mean 0.03915
Std Dev 1.064

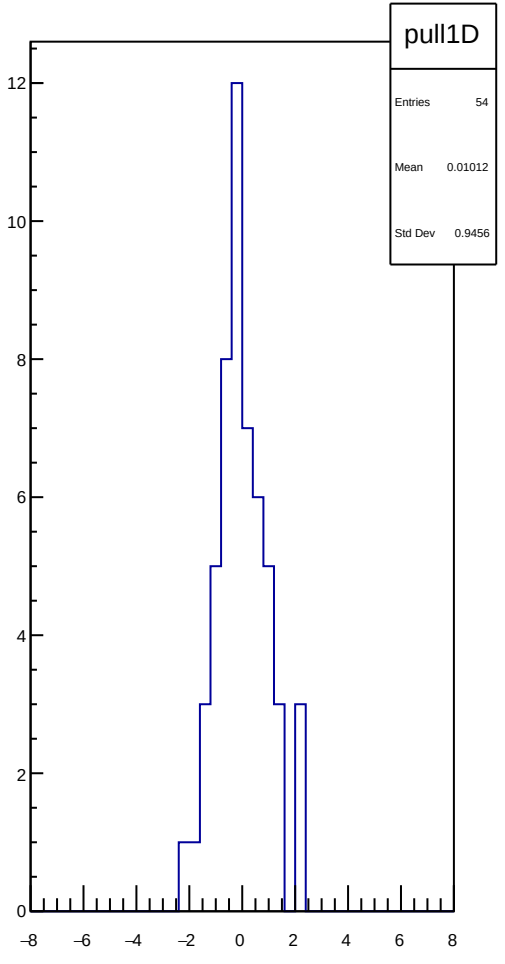

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.997e+04 / 53
p0 64.85 ± 0.06477
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

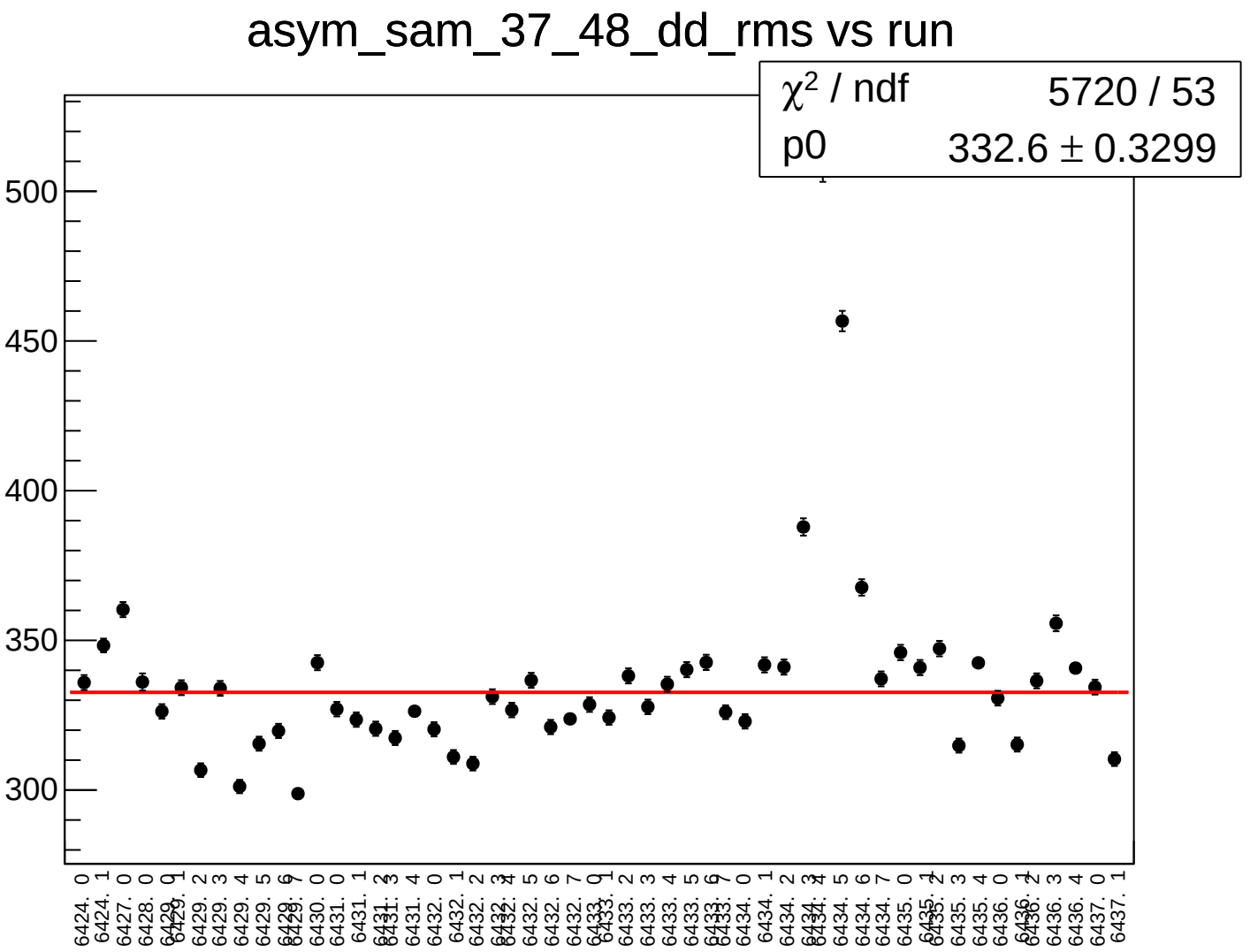

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.62 / 53
p0 386 ± 488.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1557
Std Dev 0
2
1
0
−1
−2

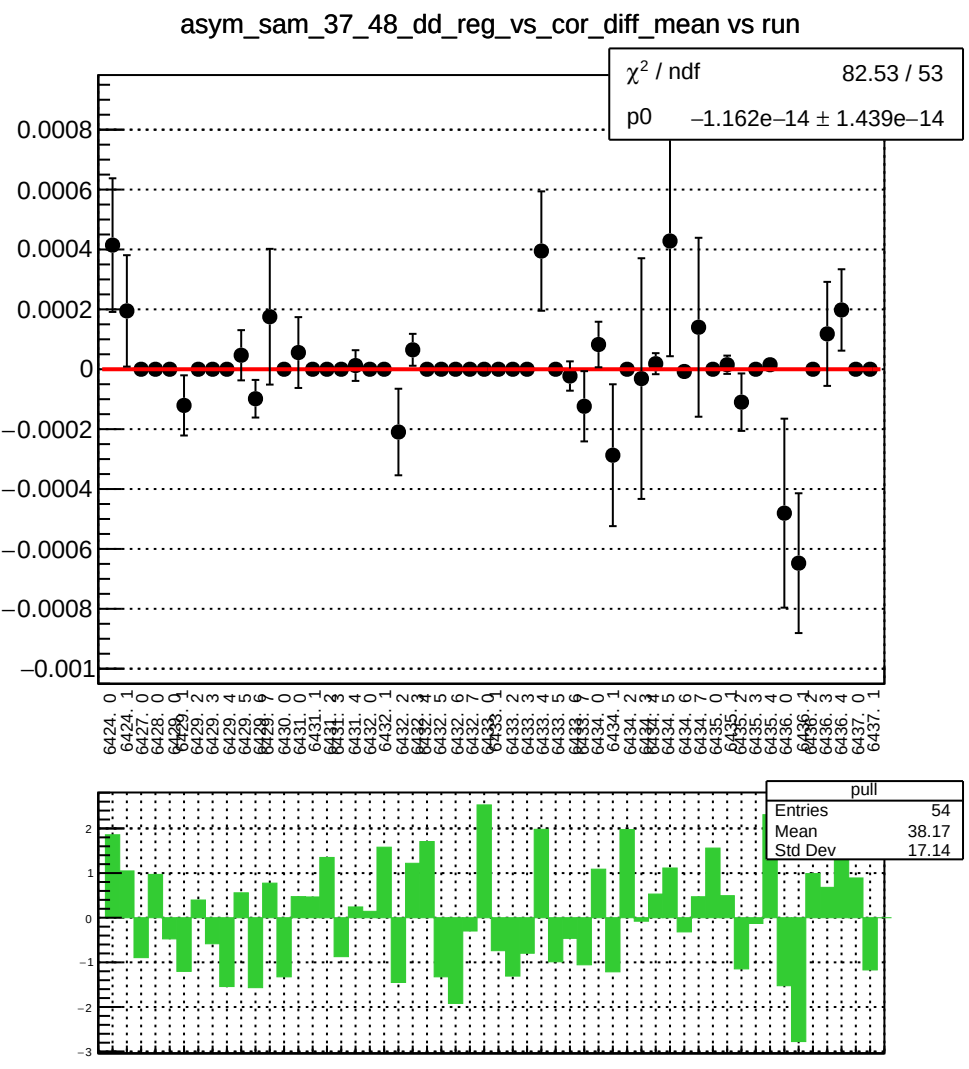

pull1D
Entries 54
Mean −0.001314
Std Dev 0.9586
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

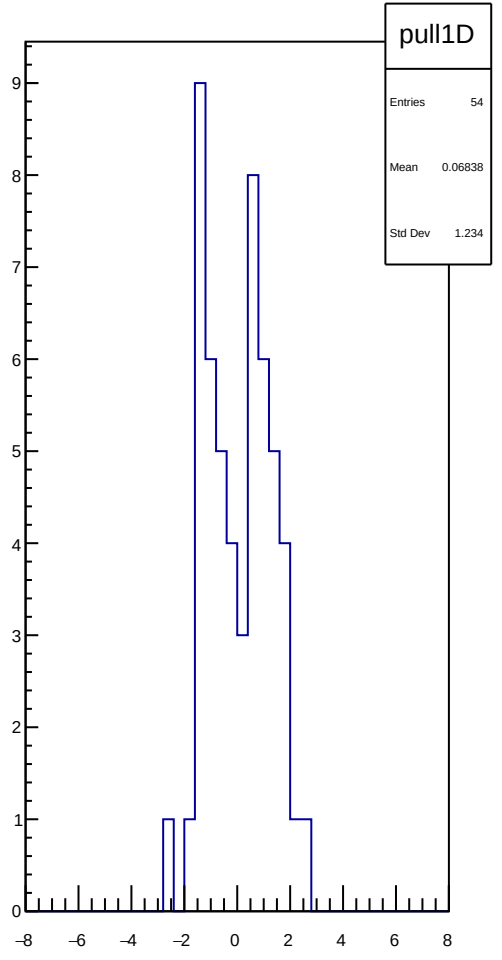

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1509 / 53
p0 348.9 ± 0.3453
380
370
360
350
340
330
320
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

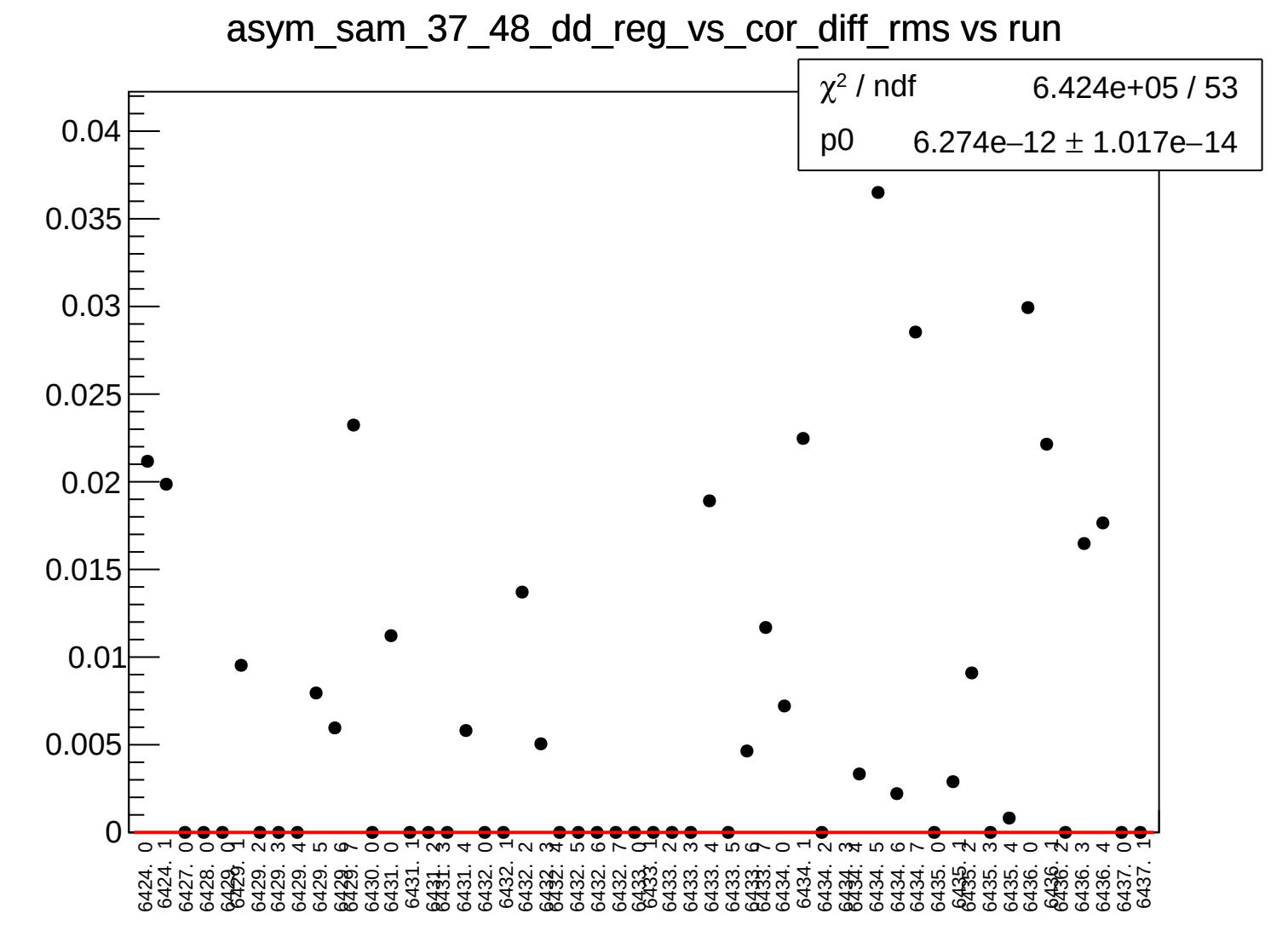

asym_sam_37_48_dd_mean vs run
χ² / ndf 48.29 / 53
p0 −351.3 ± 466.5
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 204.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

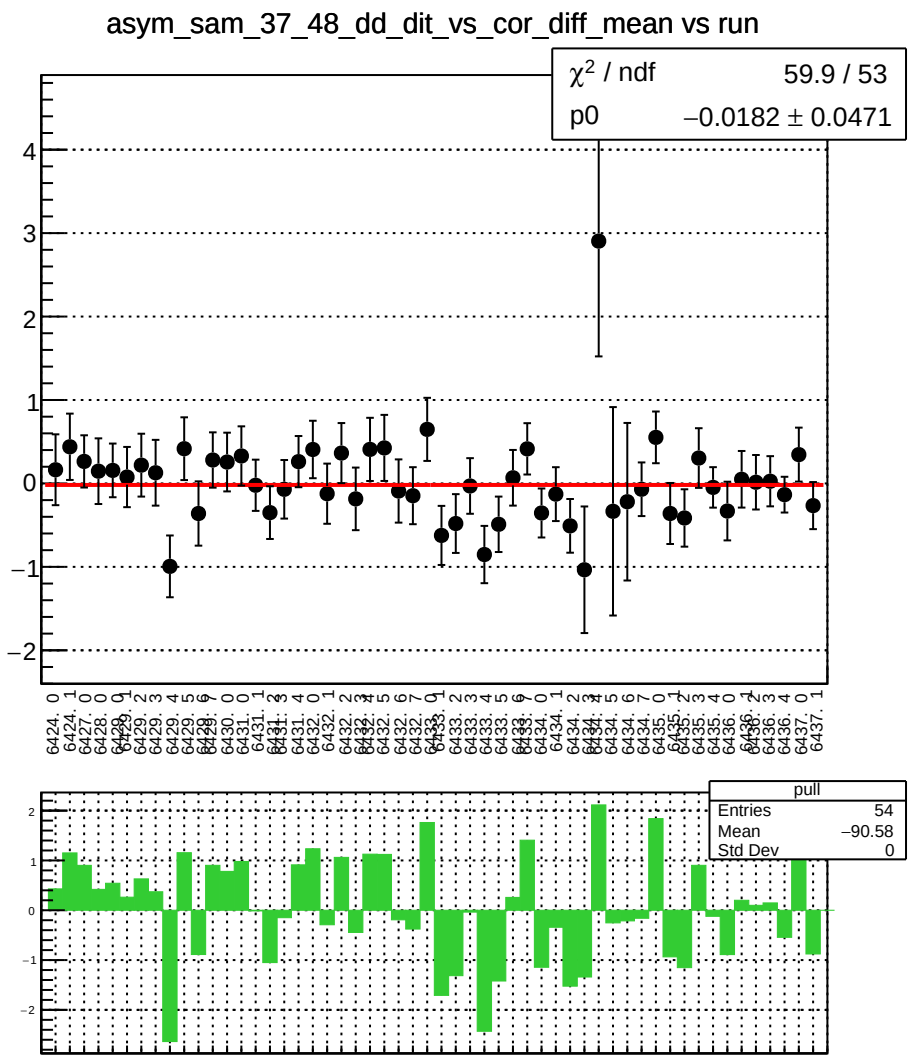

pull1D
Entries 54
Mean 0.01012
Std Dev 0.9456
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

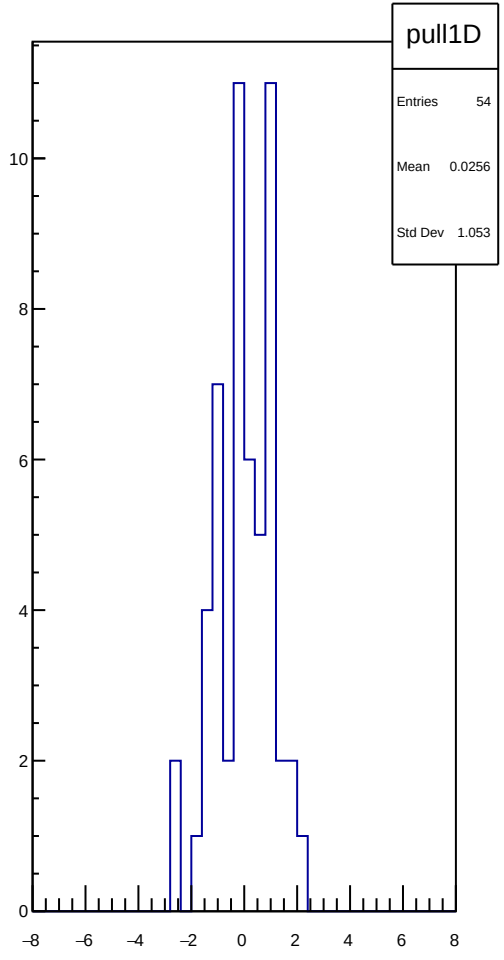

asym_sam_37_48_dd_rms vs run
χ² / ndf 5720 / 53
p0 332.6 ± 0.3299
500
450
400
350
300
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

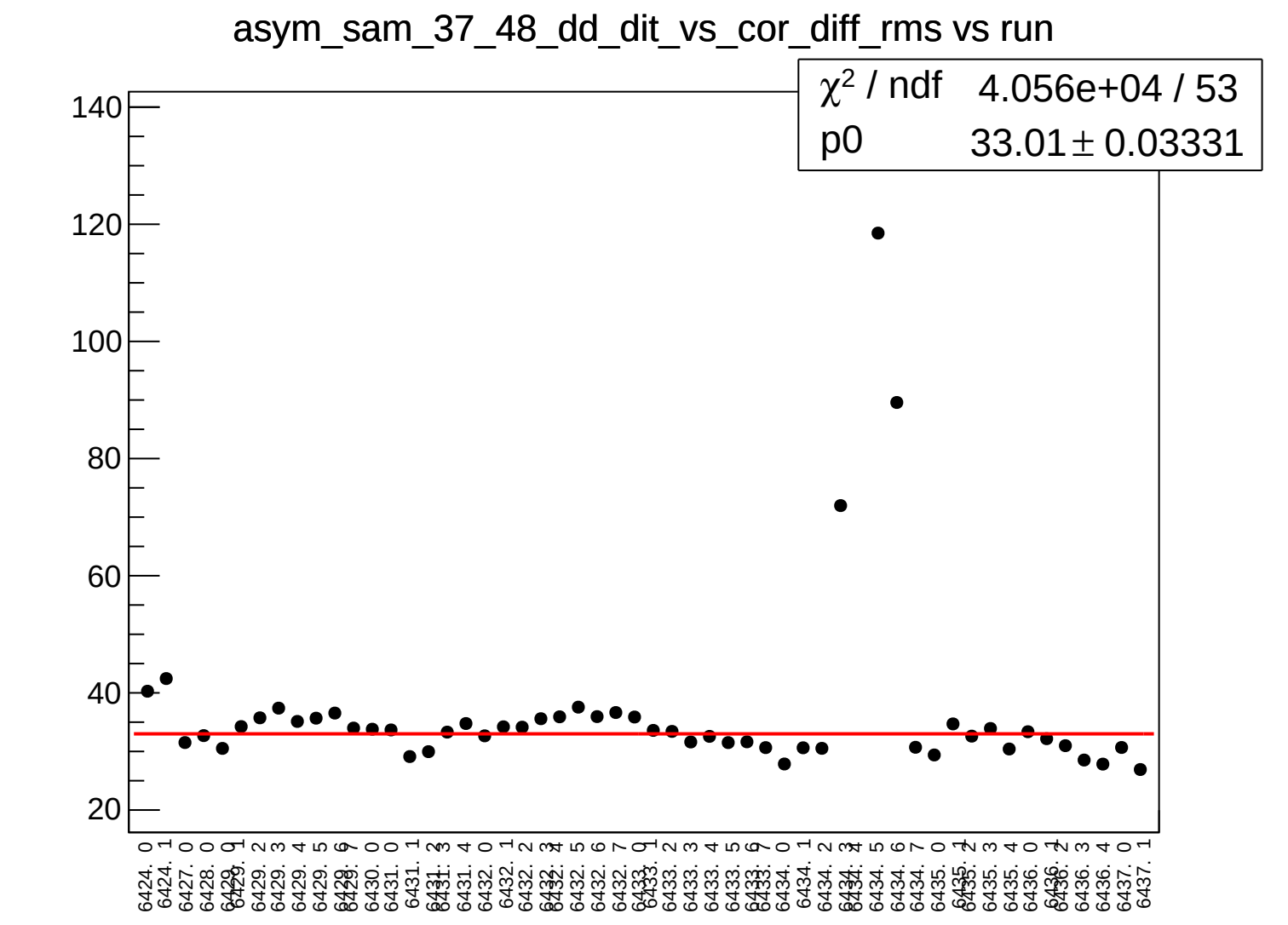

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.53 / 53
p0 −1.162e−14 ± 1.439e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 54
Mean 38.17
Std Dev 17.14

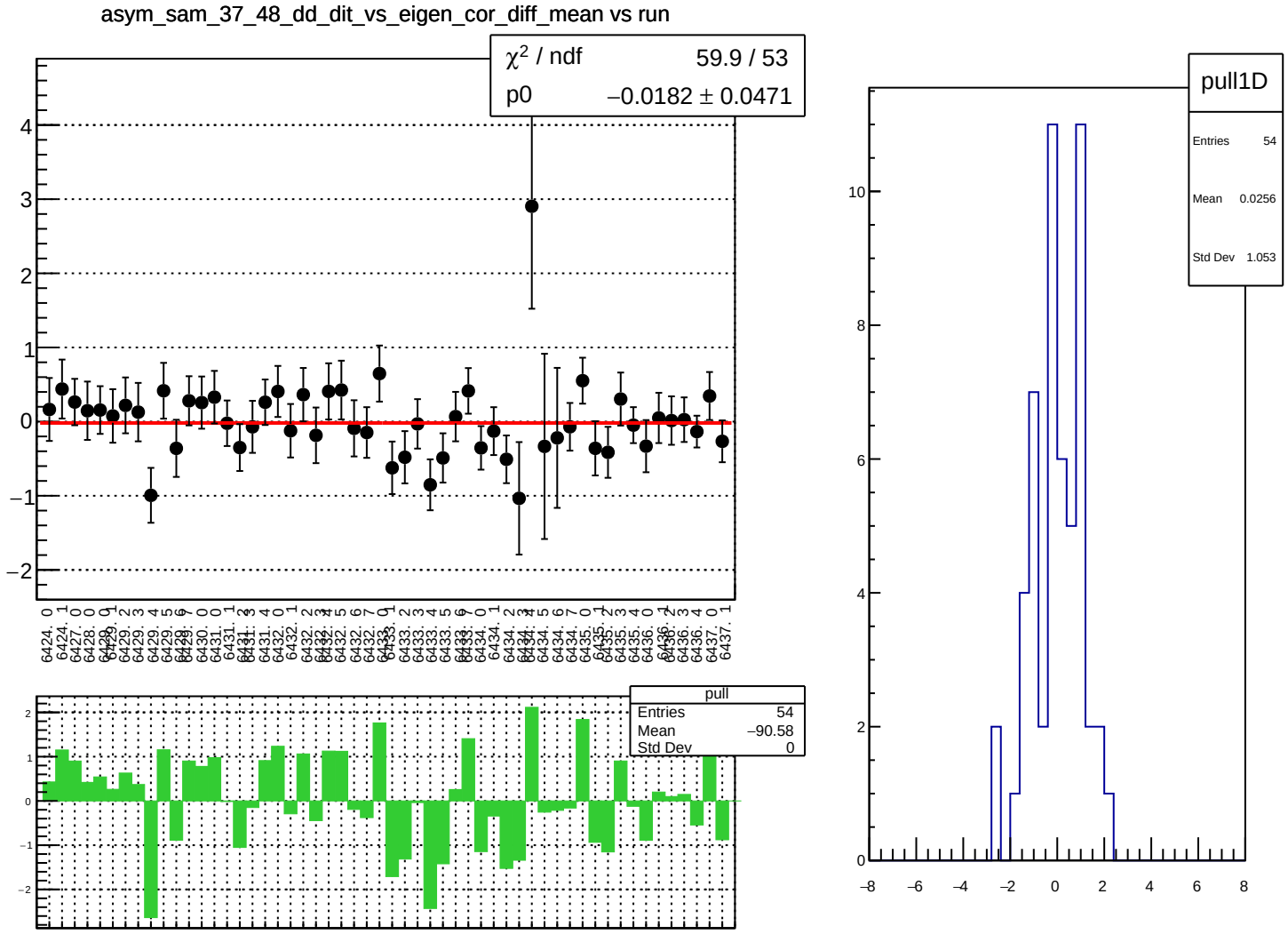

pull1D
Entries 54
Mean 0.06838
Std Dev 1.234

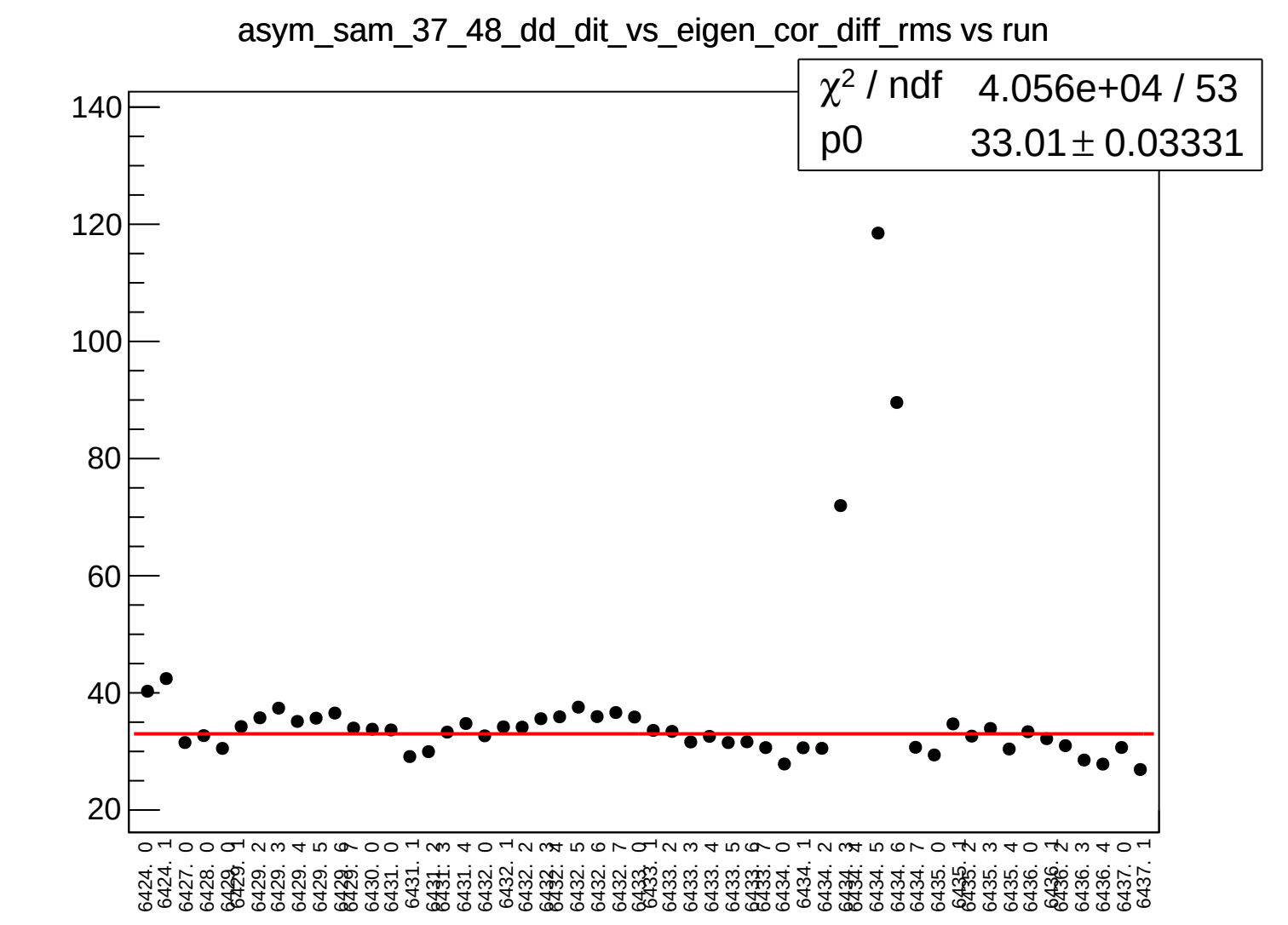

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.424e+05 / 53
p0 6.274e−12 ± 1.017e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

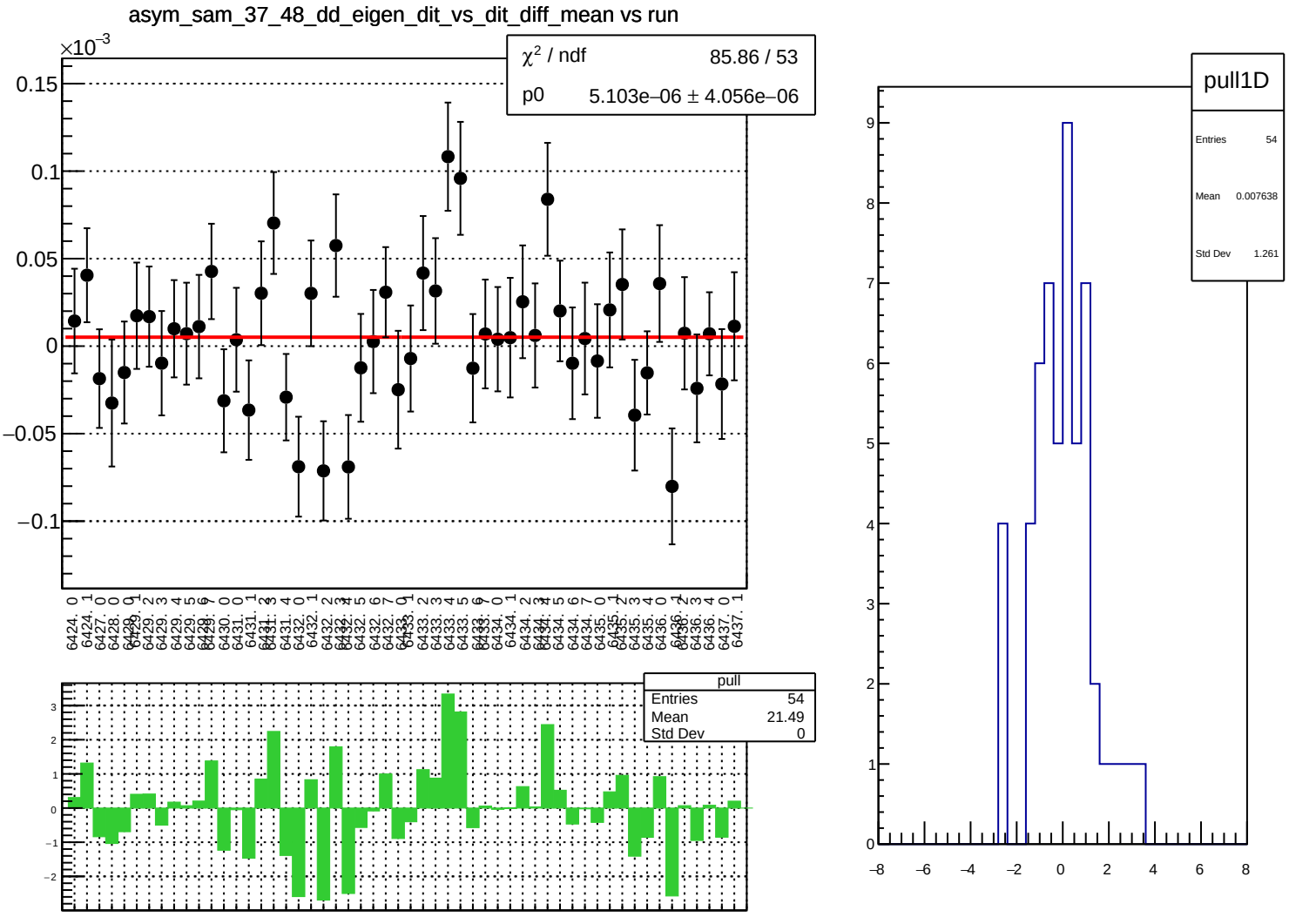

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 53
p0 −0.0182 ± 0.0471
pull
Entries 54
Mean −90.58
Std Dev 0

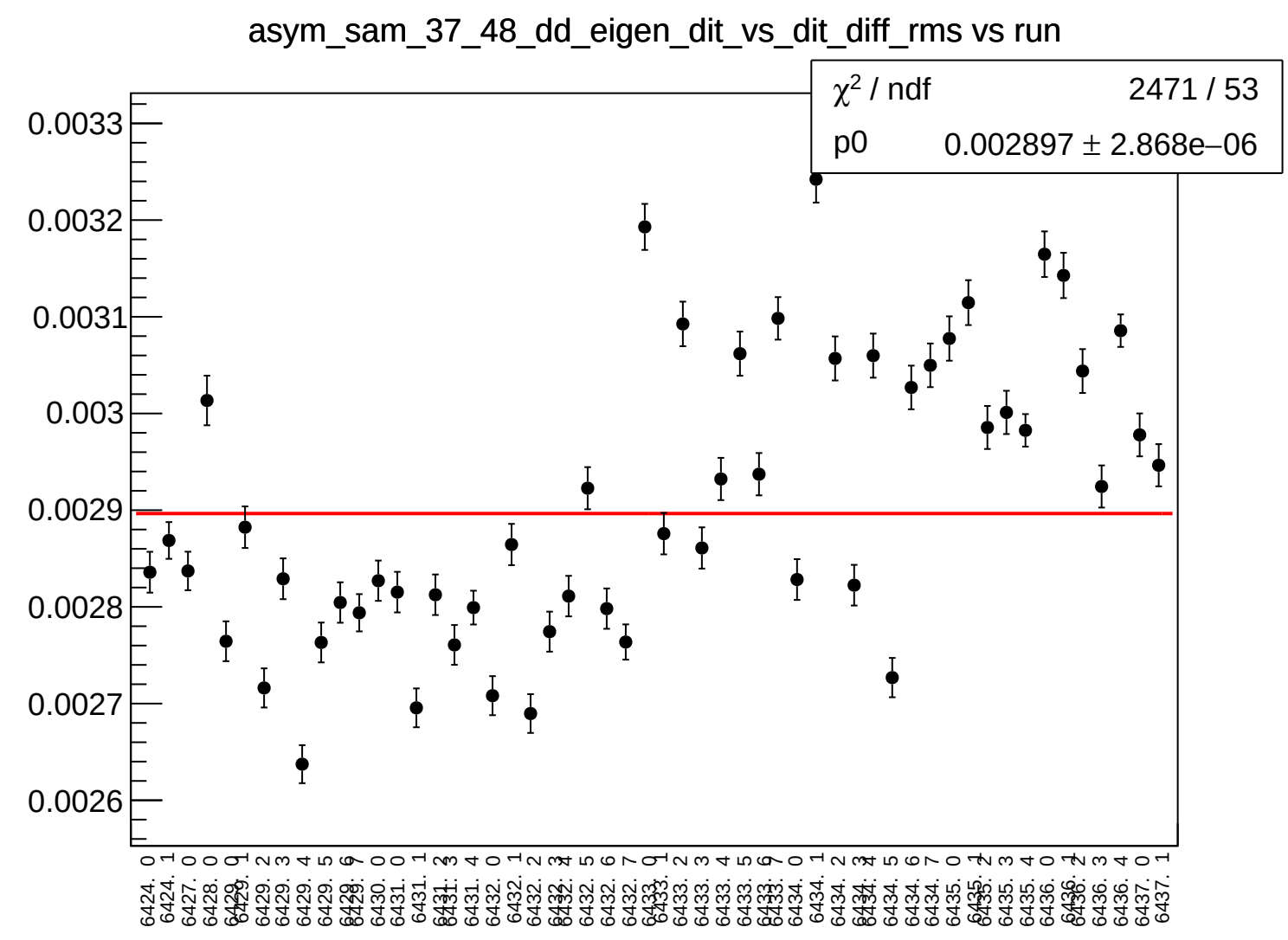

pull1D
Entries 54
Mean 0.0256
Std Dev 1.053

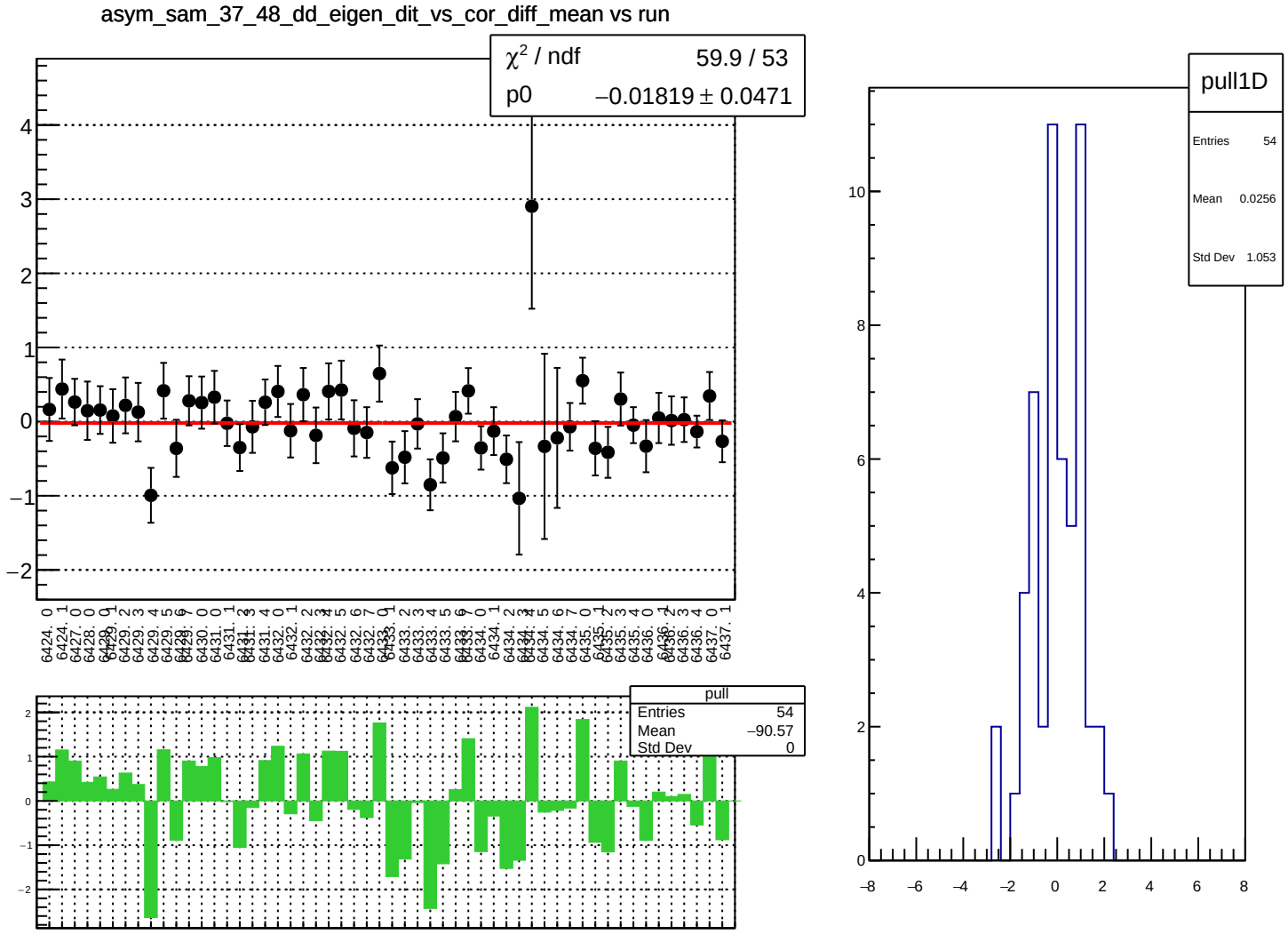

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.056e+04 / 53
p0 33.01 ± 0.03331
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

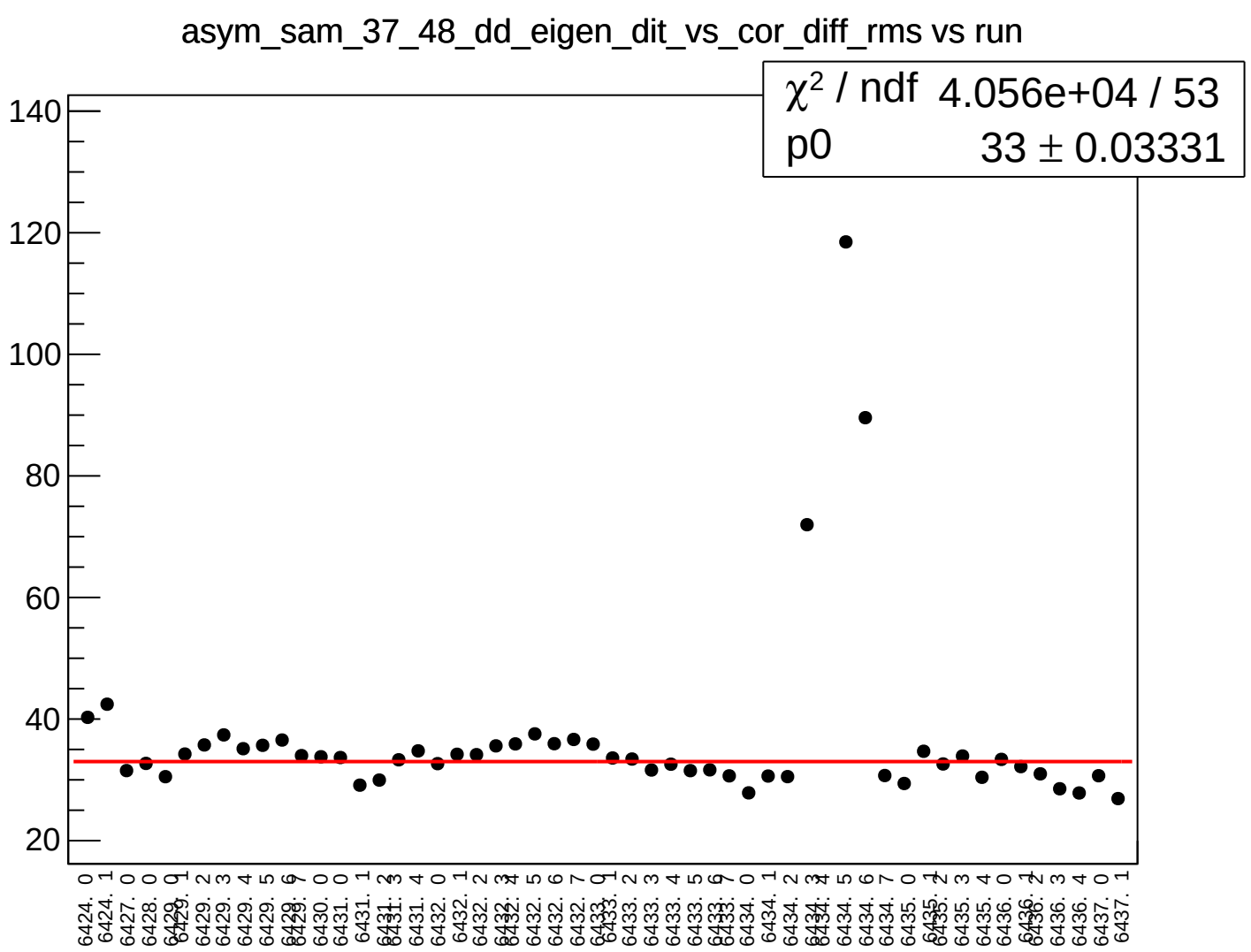

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 53
p0 −0.0182 ± 0.0471
pull
Entries 54
Mean −90.58
Std Dev 0
pull1D
Entries 54
Mean 0.0256
Std Dev 1.053

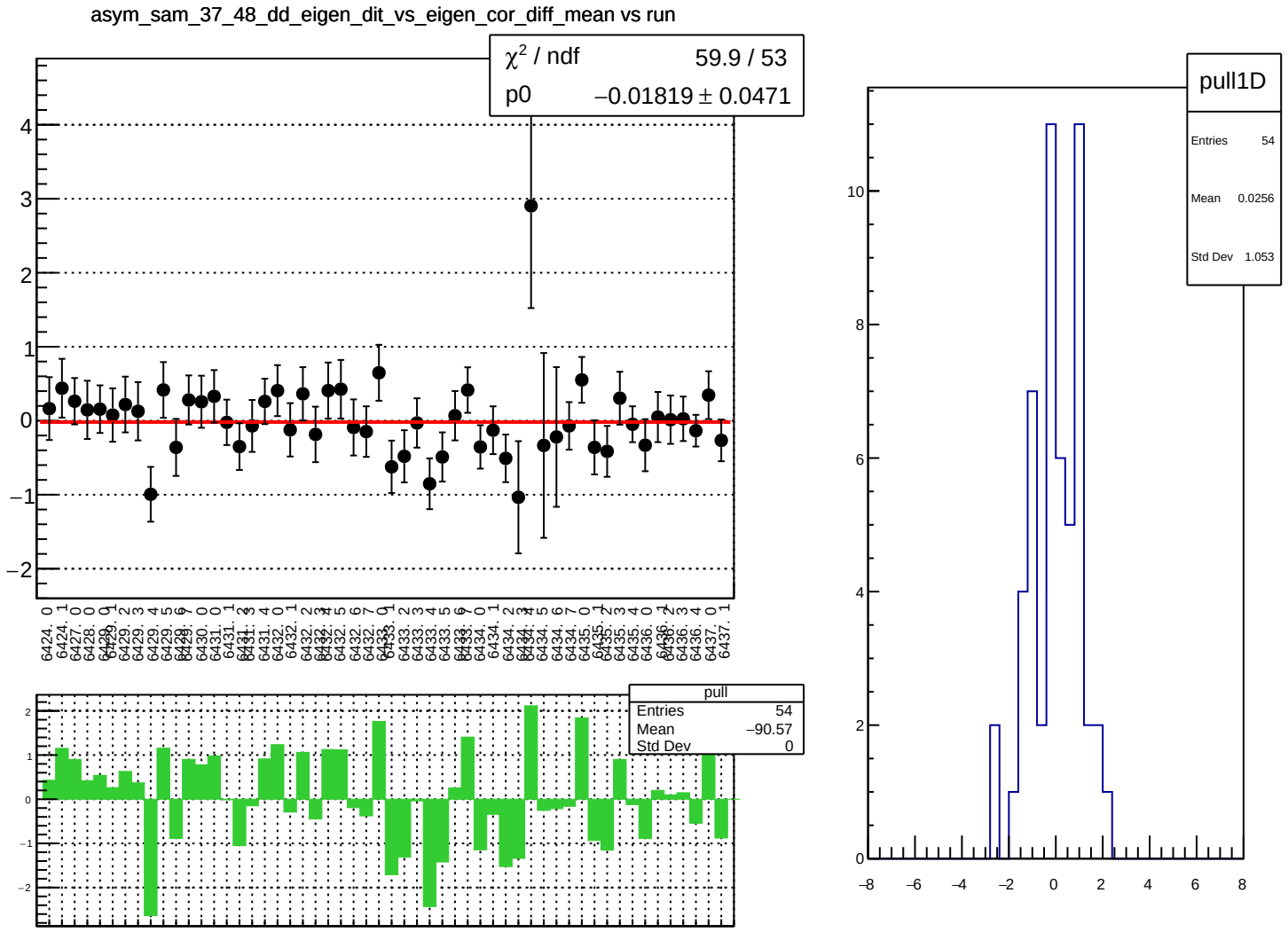

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.056e+04 / 53
p0 33.01 ± 0.03331
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

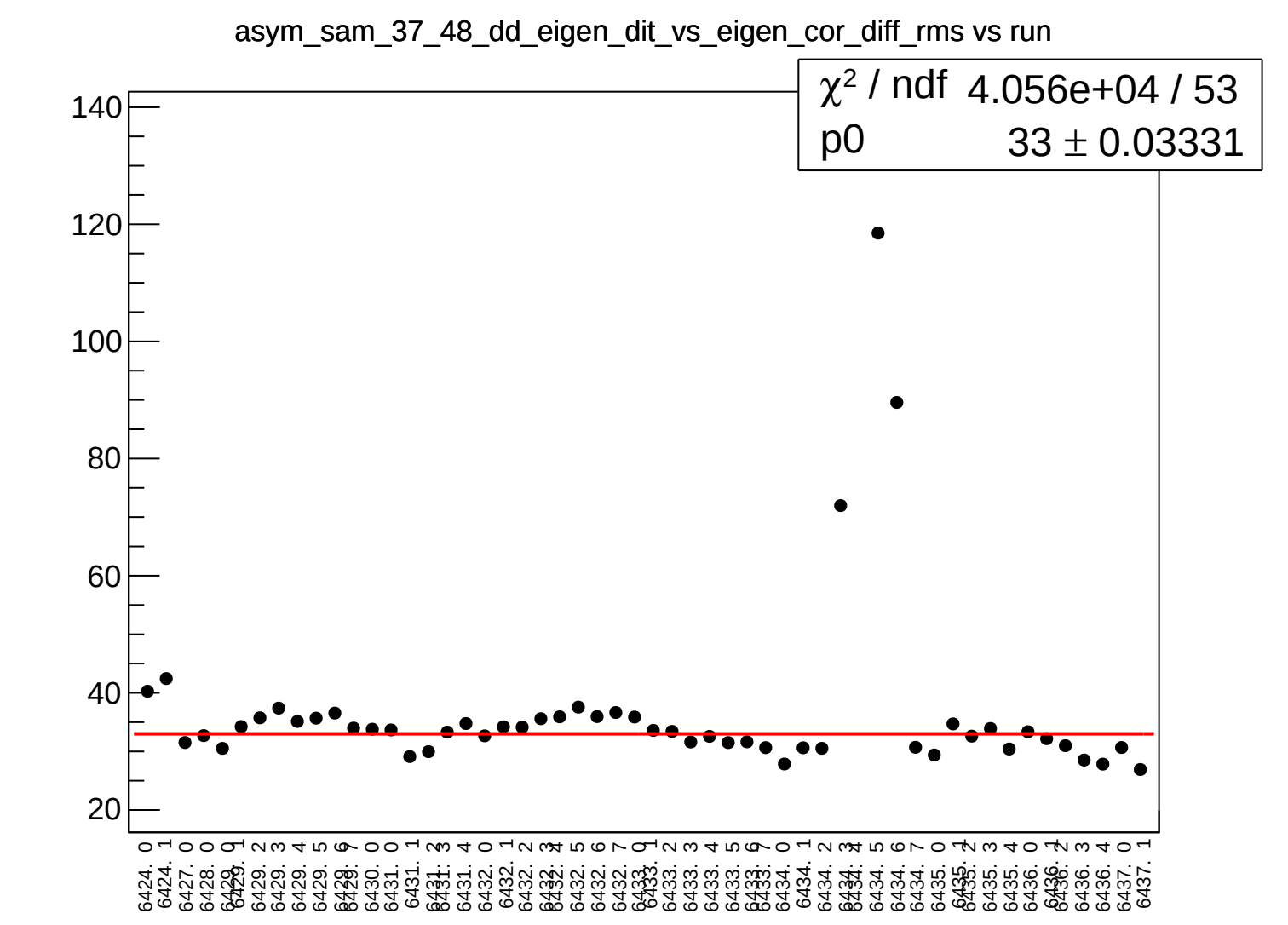

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.86 / 53
p0 5.103e−06 ± 4.056e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 21.49
Std Dev 0
pull1D
Entries 54
Mean 0.007638
Std Dev 1.261

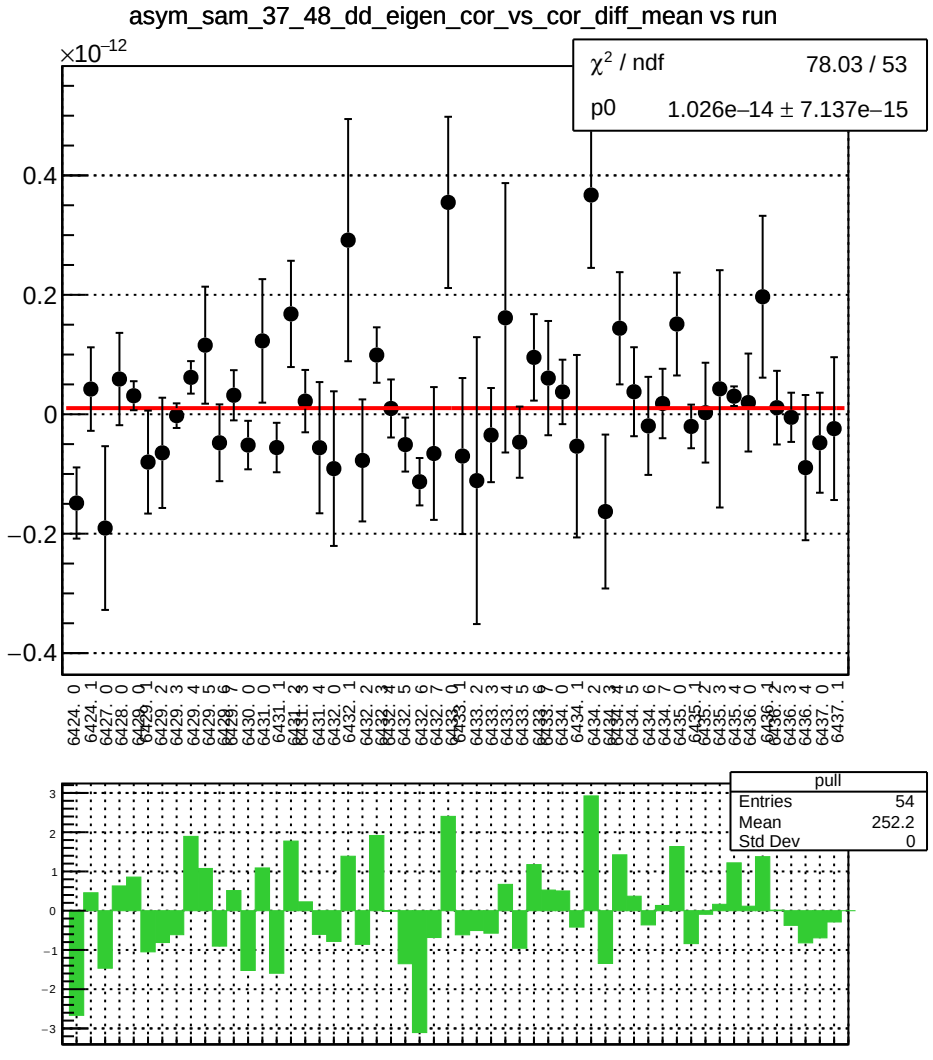

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2471 / 53
p0 0.002897 ± 2.868e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

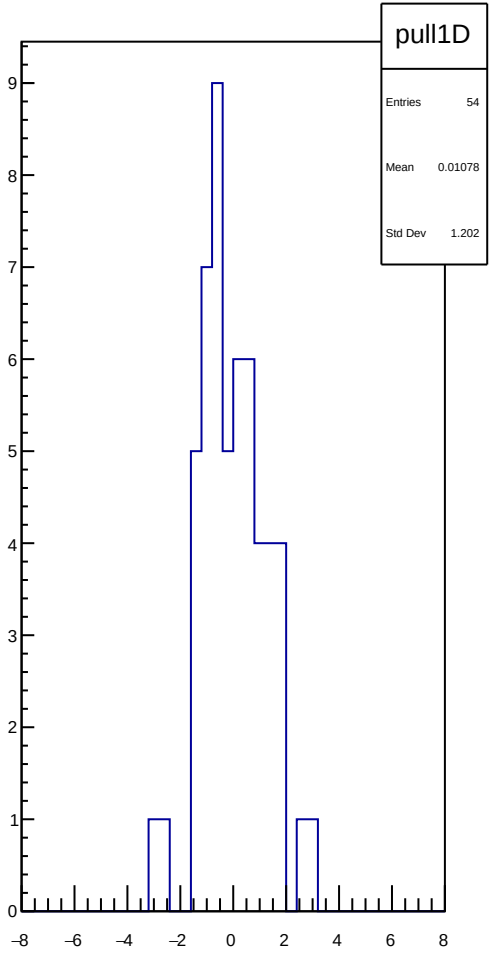

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.9 / 53
p0 −0.01819 ± 0.0471
pull
Entries 54
Mean −90.57
Std Dev 0
pull1D
Entries 54
Mean 0.0256
Std Dev 1.053

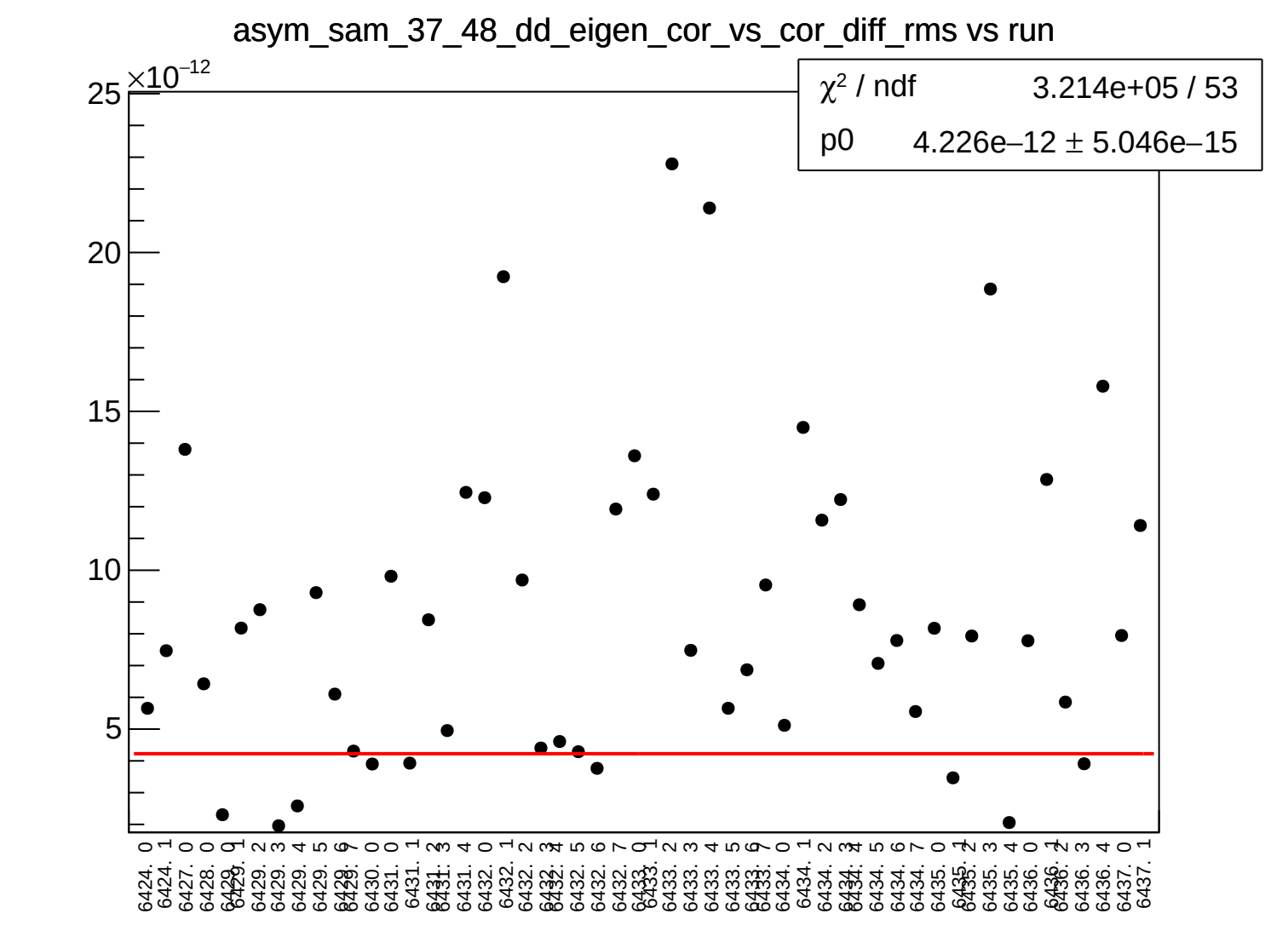

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.056e+04 / 53
p0 33 ± 0.03331
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

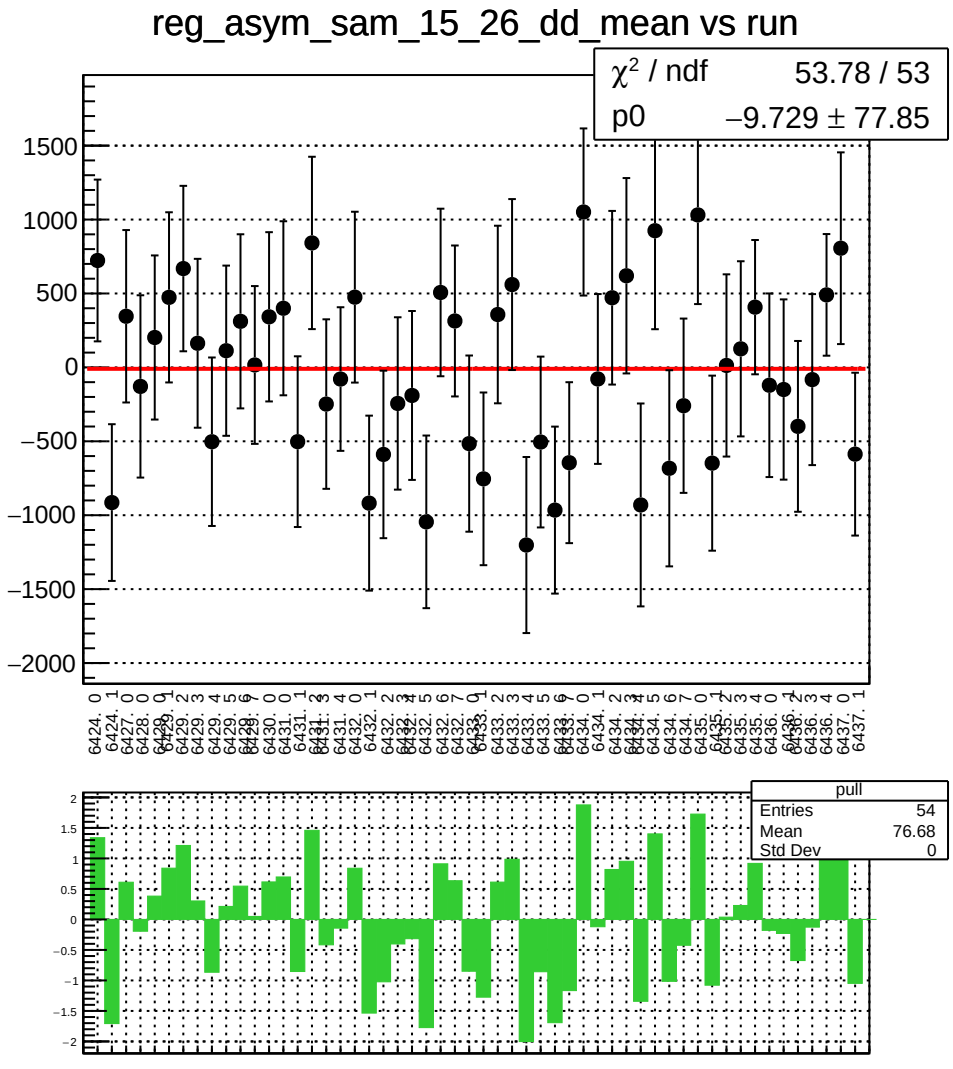

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.9 / 53
p0 −0.01819 ± 0.0471
pull
Entries 54
Mean −90.57
Std Dev 0
pull1D
Entries 54
Mean 0.0256
Std Dev 1.053

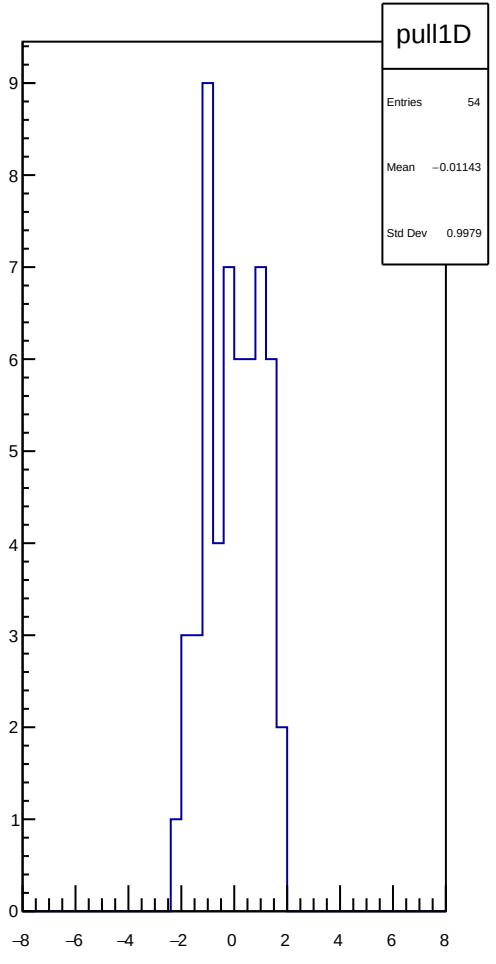

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.056e+04 / 53
p0 33 ± 0.03331
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

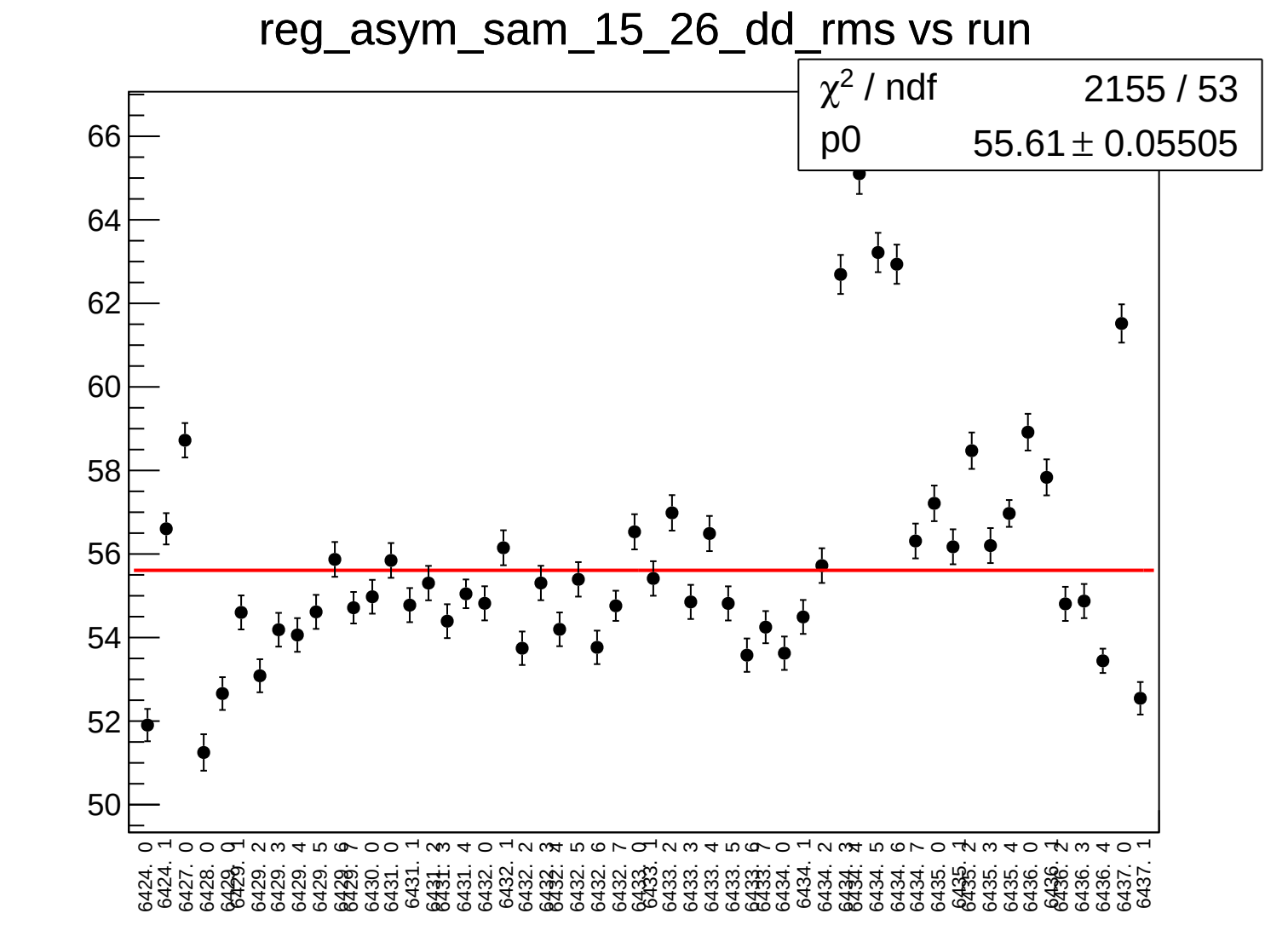

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.03 / 53
p0 1.026e−14 ± 7.137e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 54
Mean 252.2
Std Dev 0
3
2
1
0
−1
−2
−3

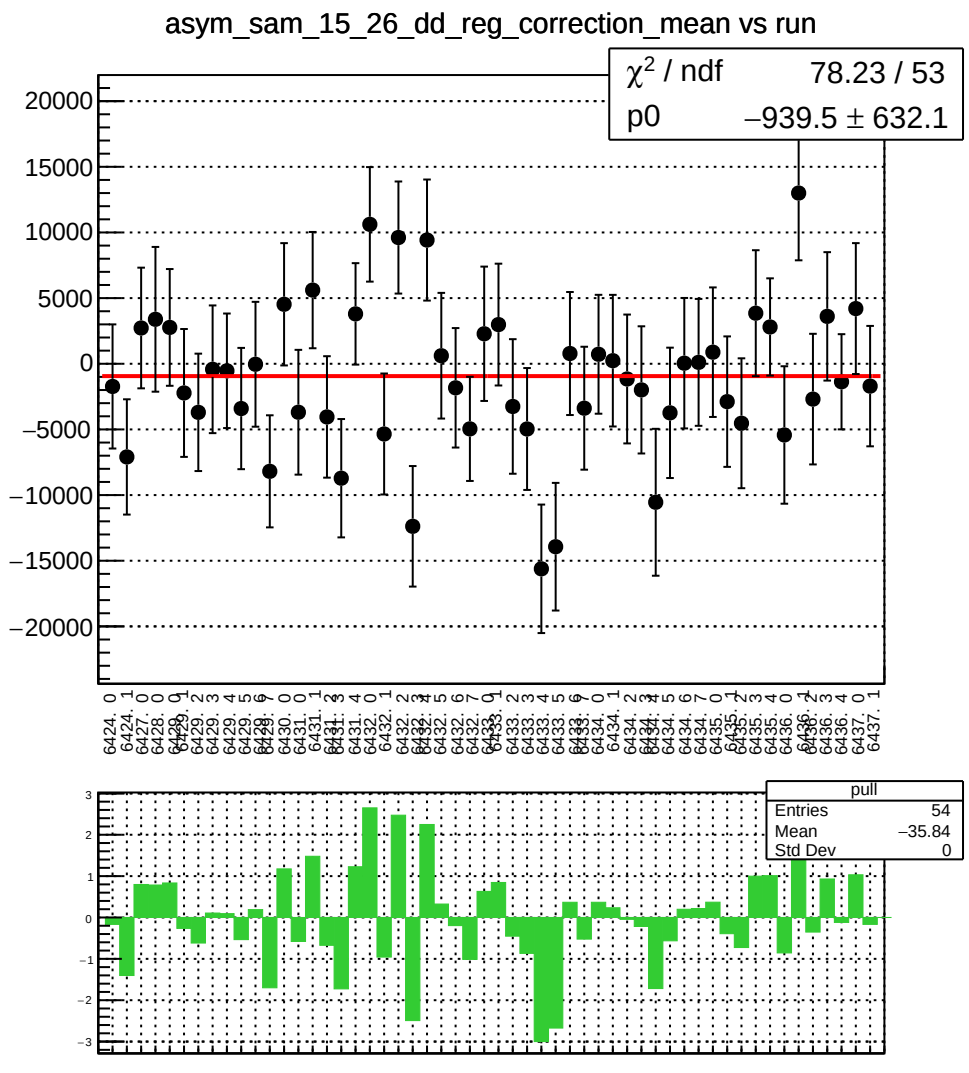

pull1D
Entries 54
Mean 0.01078
Std Dev 1.202
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

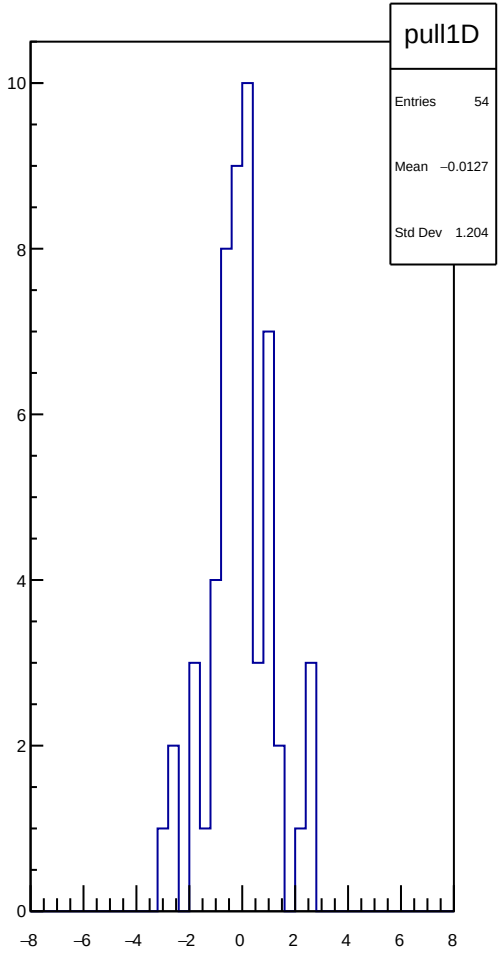

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.214e+05 / 53
p0 4.226e−12 ± 5.046e−15
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

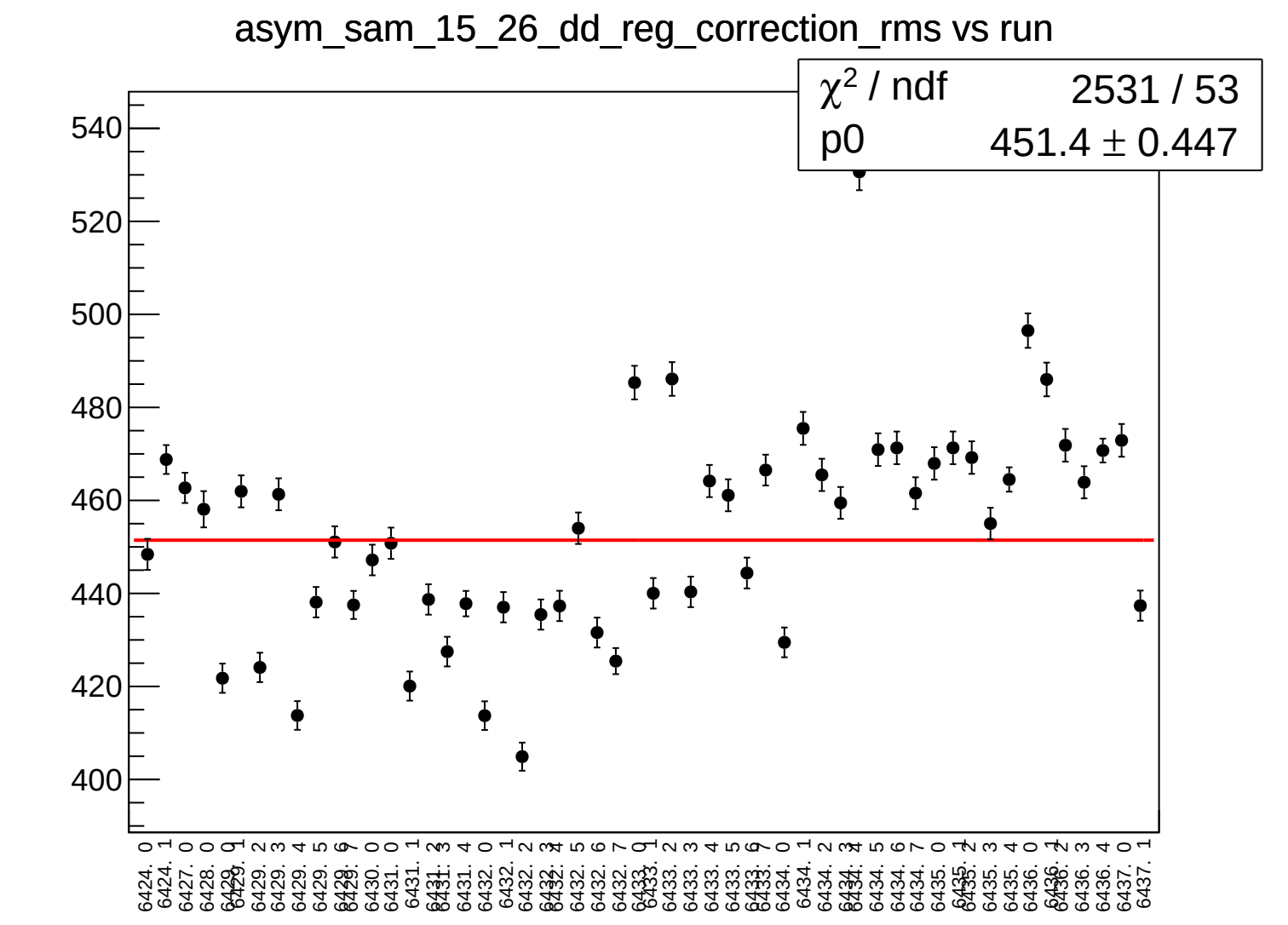

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.78 / 53
p0 −9.729 ± 77.85
pull
Entries 54
Mean 76.68
Std Dev 0

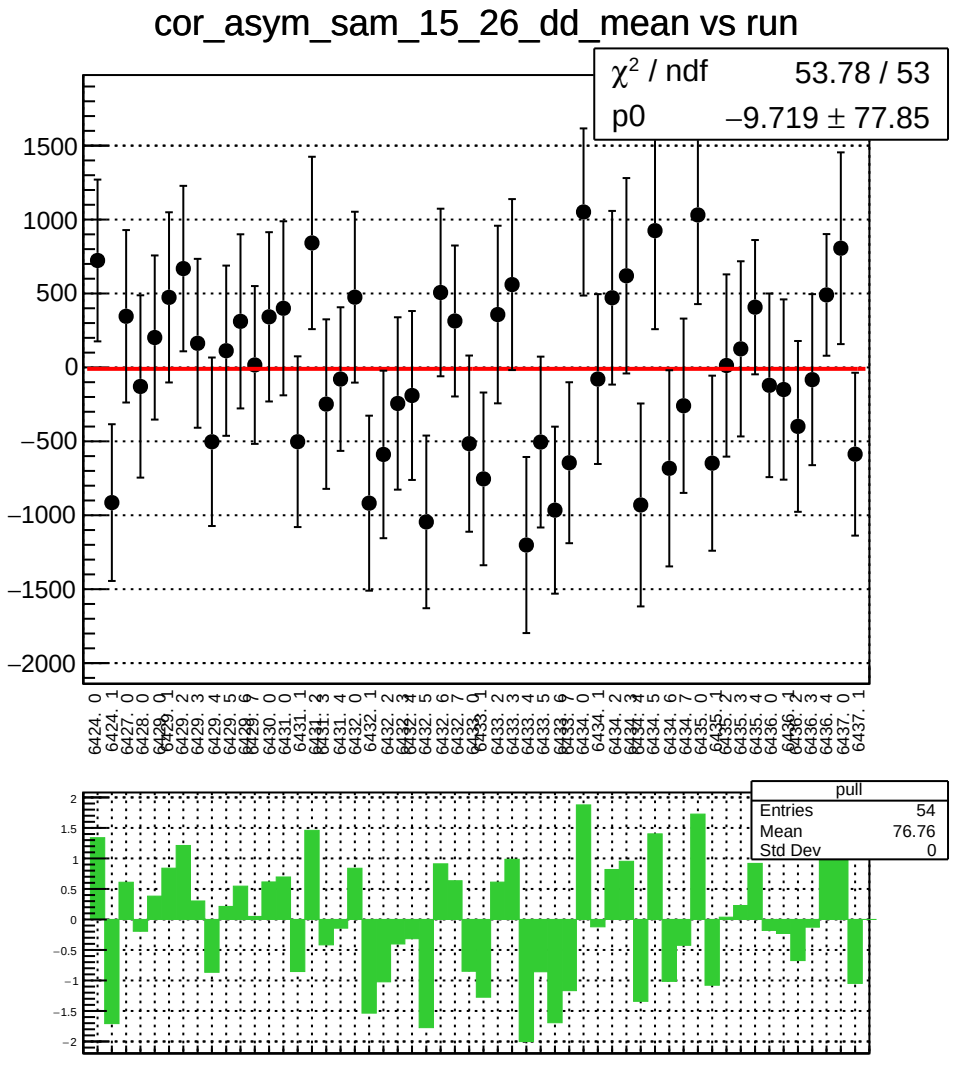

pull1D
Entries 54
Mean −0.01143
Std Dev 0.9979

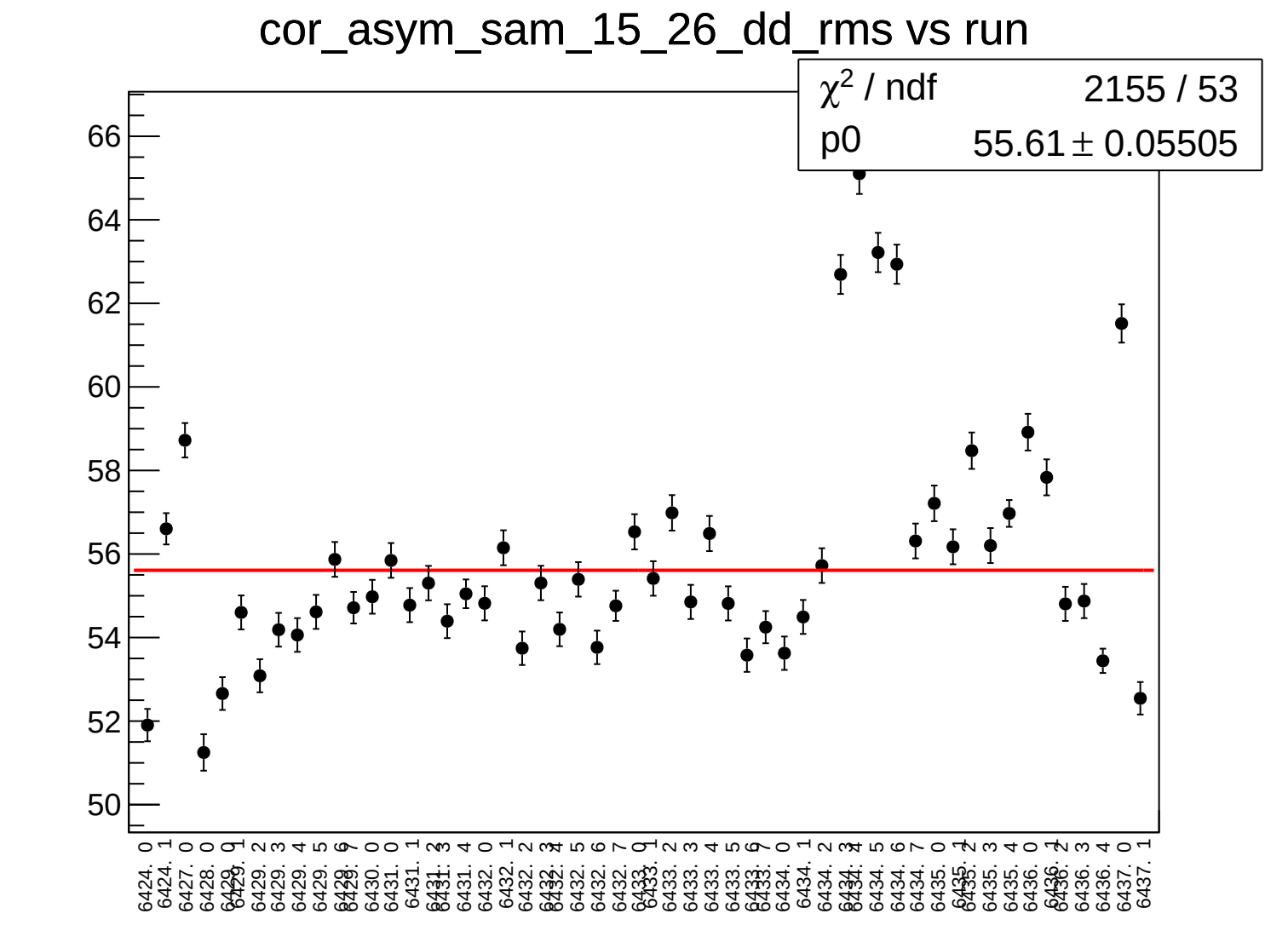

reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2155 / 53
p0 55.61 ± 0.05505
66
64
62
60
58
56
54
52
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

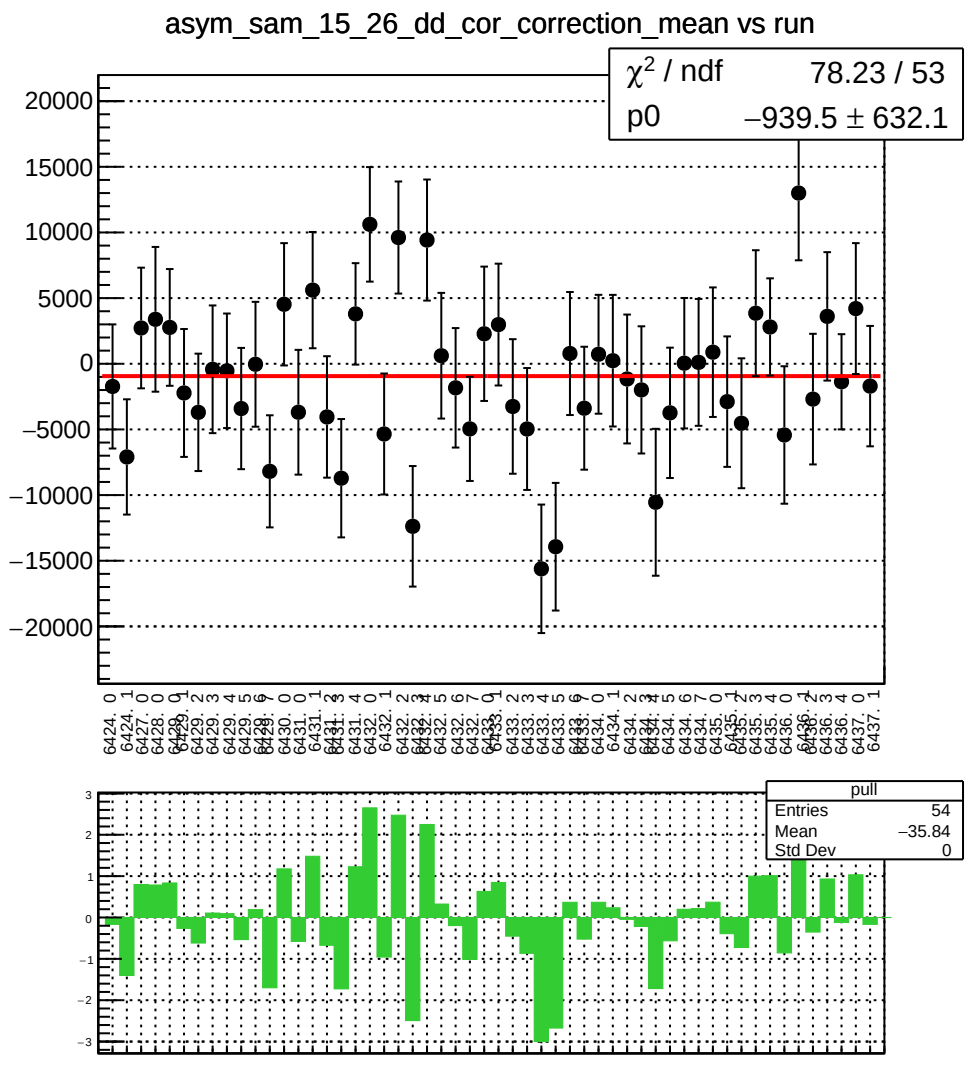

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 78.23 / 53
p0 −939.5 ± 632.1
pull
Entries 54
Mean −35.84
Std Dev 0

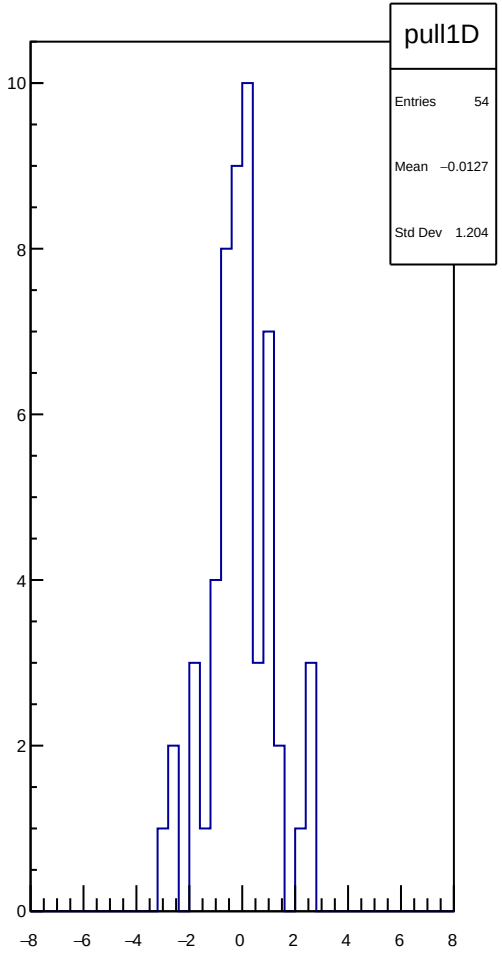

pull1D
Entries 54
Mean −0.0127
Std Dev 1.204

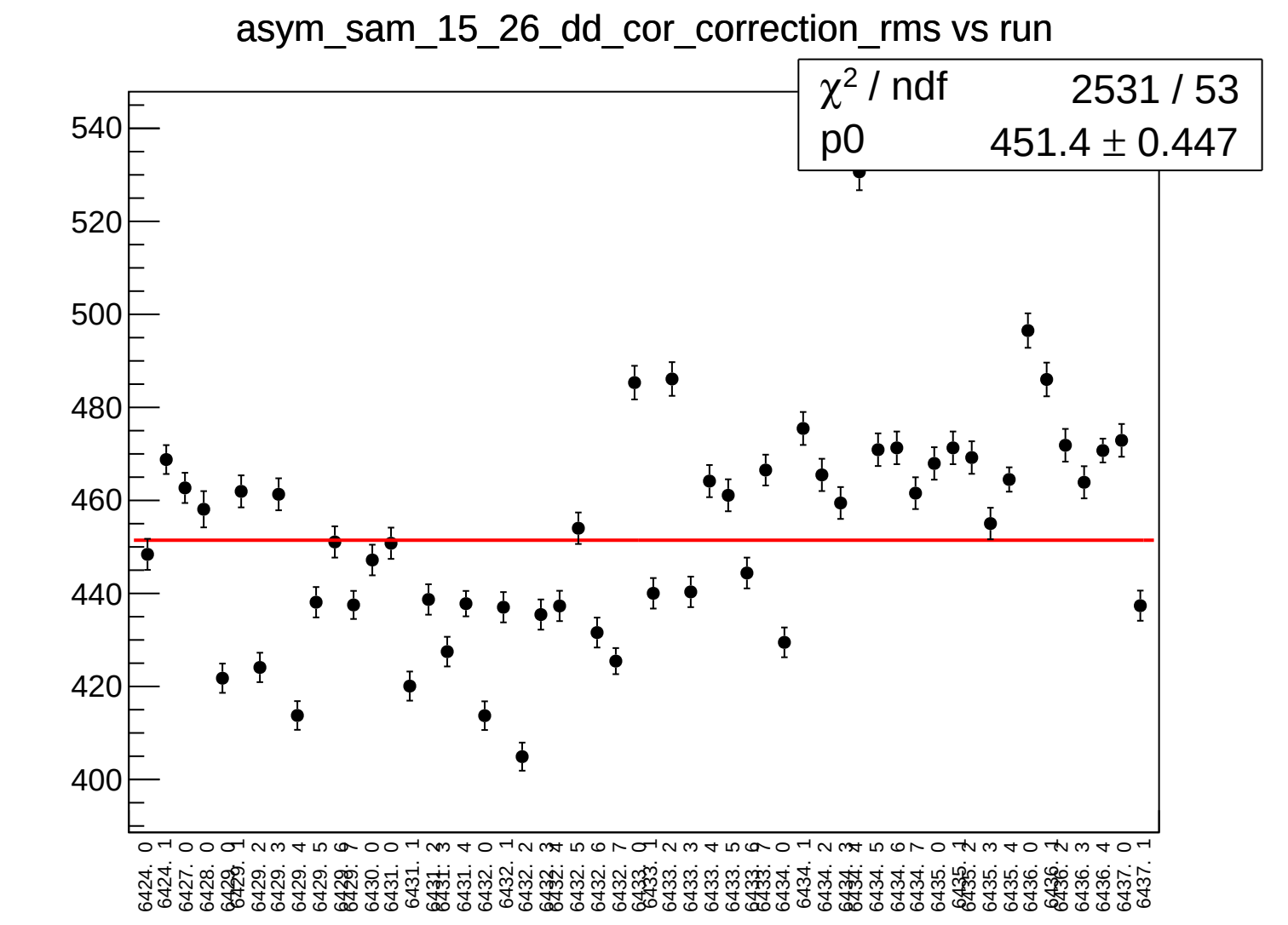

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2531 / 53
p0 451.4 ± 0.447
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

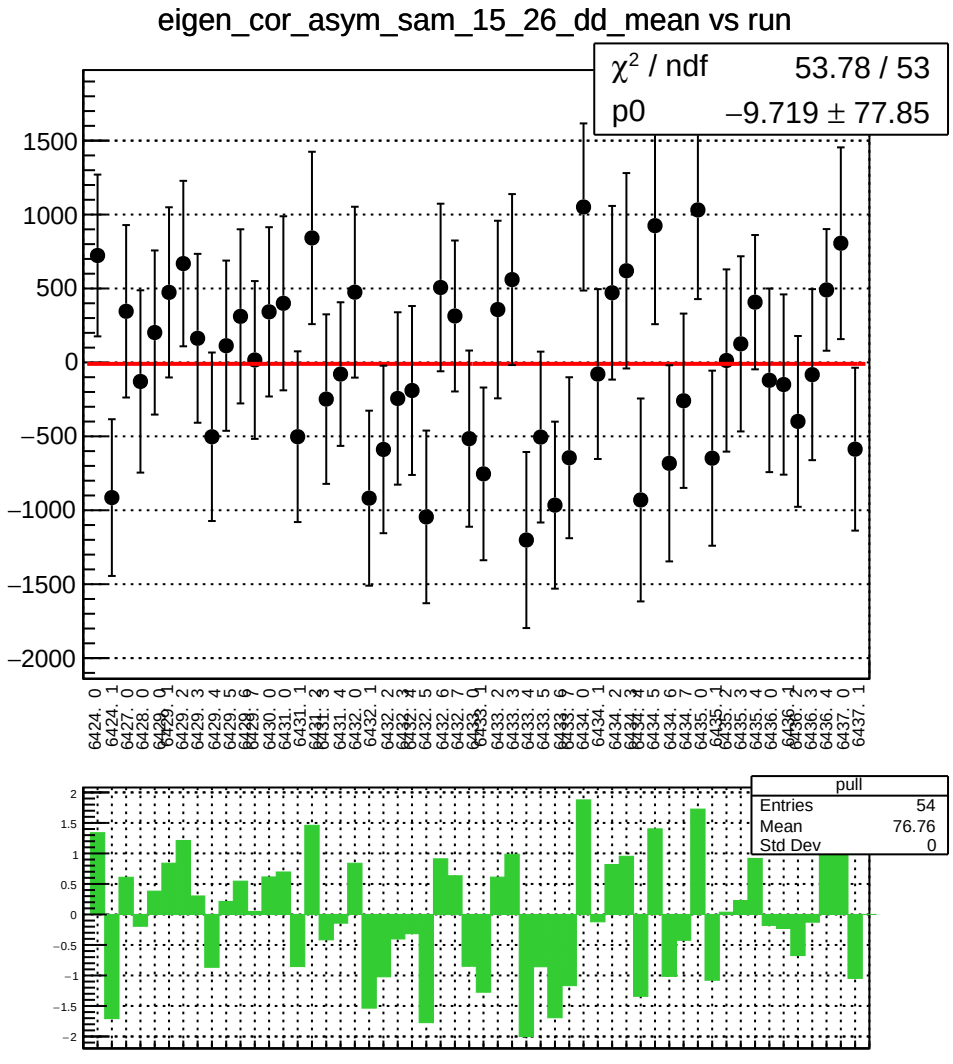

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.78 / 53
p0 −9.719 ± 77.85
1500
1000
500
0
−500
−1000
−1500
−2000
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 76.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01143
Std Dev 0.9979
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

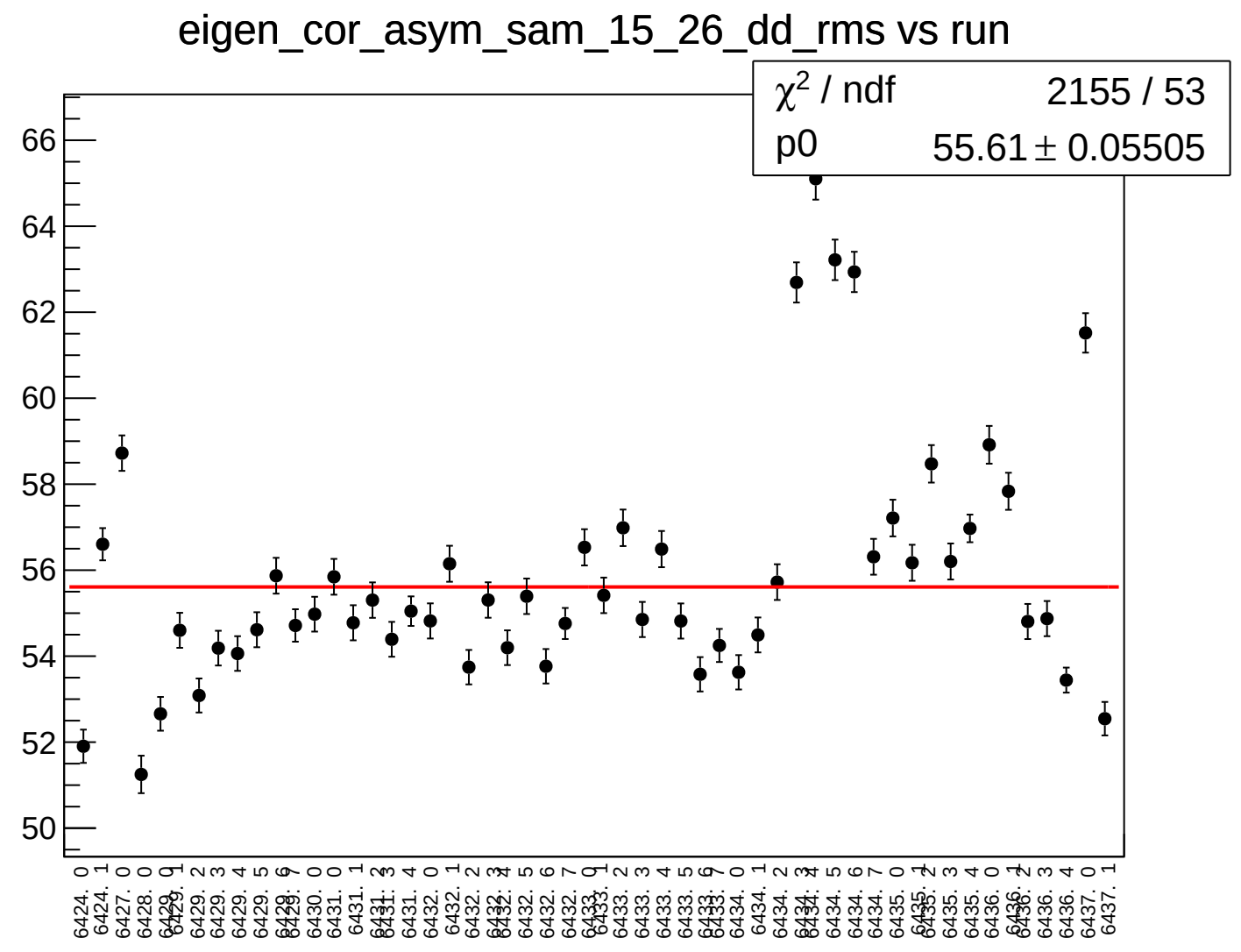

cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2155 / 53
p0 55.61 ± 0.05505
66
64
62
60
58
56
54
52
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

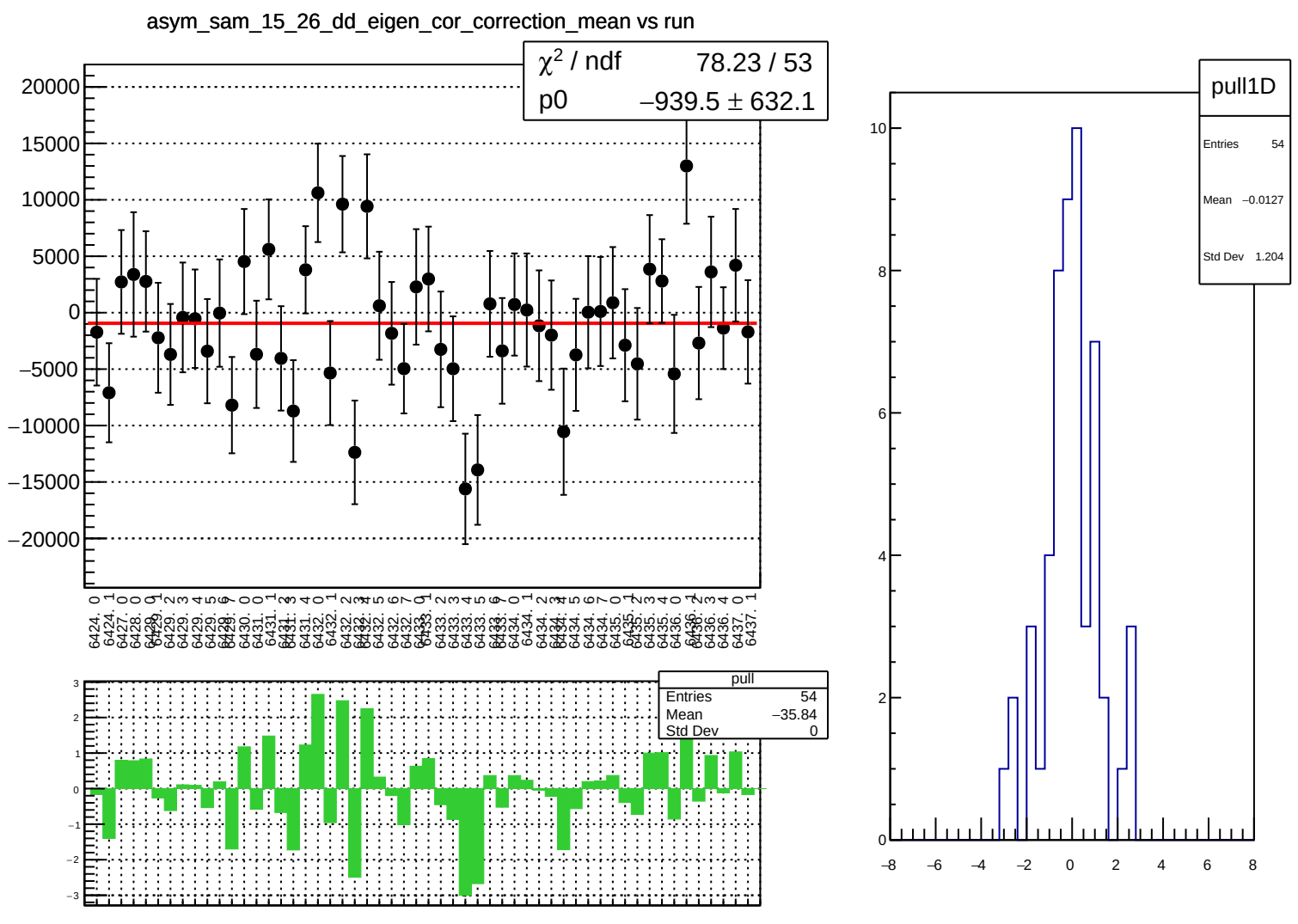

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 78.23 / 53
p0 −939.5 ± 632.1
pull
Entries 54
Mean −35.84
Std Dev 0

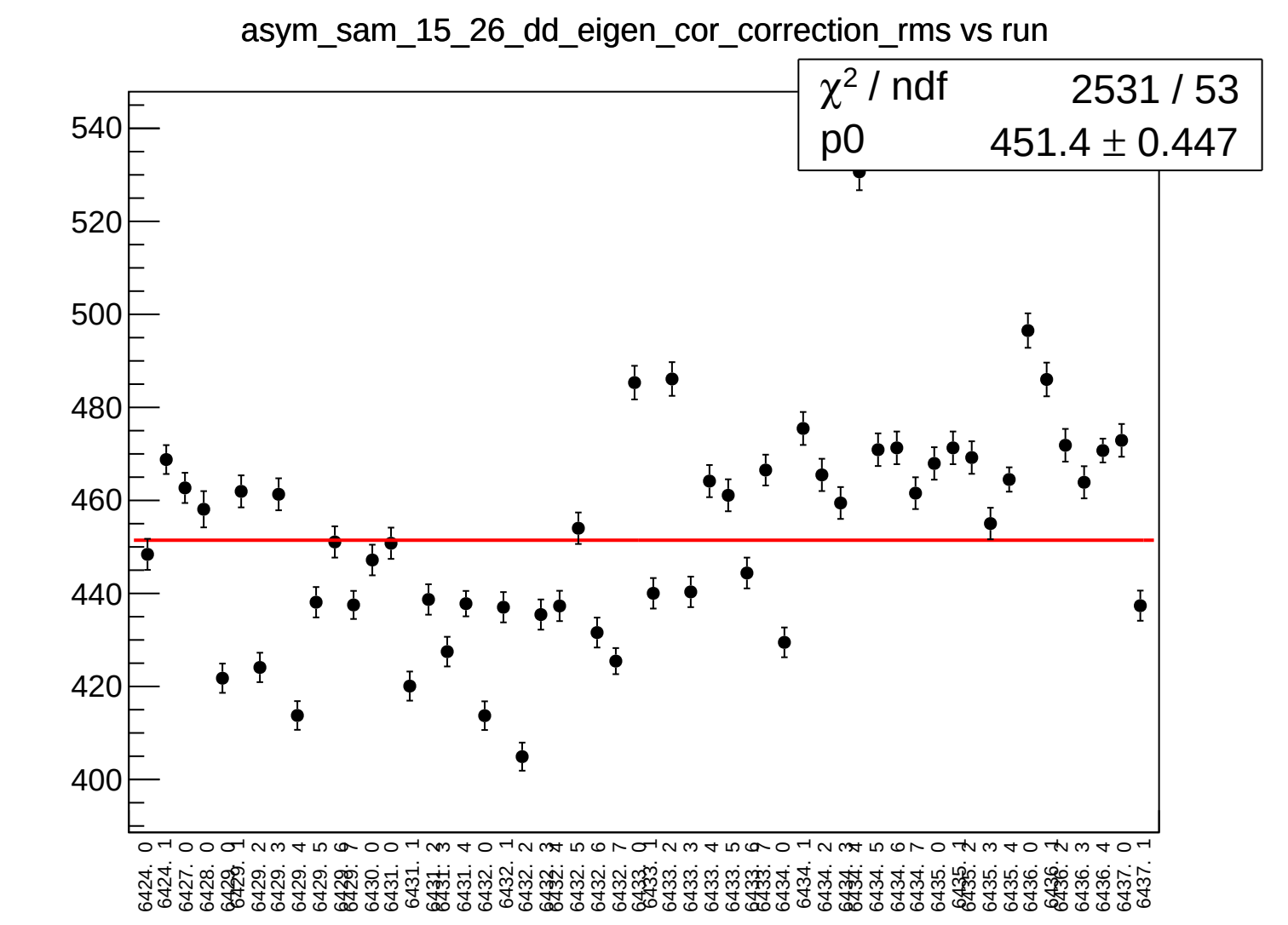

pull1D
Entries 54
Mean −0.0127
Std Dev 1.204


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2531 / 53
p0 451.4 ± 0.447
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 53.78 / 53
p0 −9.719 ± 77.85
pull
Entries 54
Mean 76.76
Std Dev 0
pull1D
Entries 54
Mean −0.01143
Std Dev 0.9979


eigen_cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2155 / 53
p0 55.61 ± 0.05505
66
64
62
60
58
56
54
52
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.23 / 53
p0 −939.5 ± 632.1
pull
Entries 54
Mean −35.84
Std Dev 0
pull1D
Entries 54
Mean −0.0127
Std Dev 1.204


asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2531 / 53
p0 451.4 ± 0.447
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
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6434. 7
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6435. 1
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6436. 0
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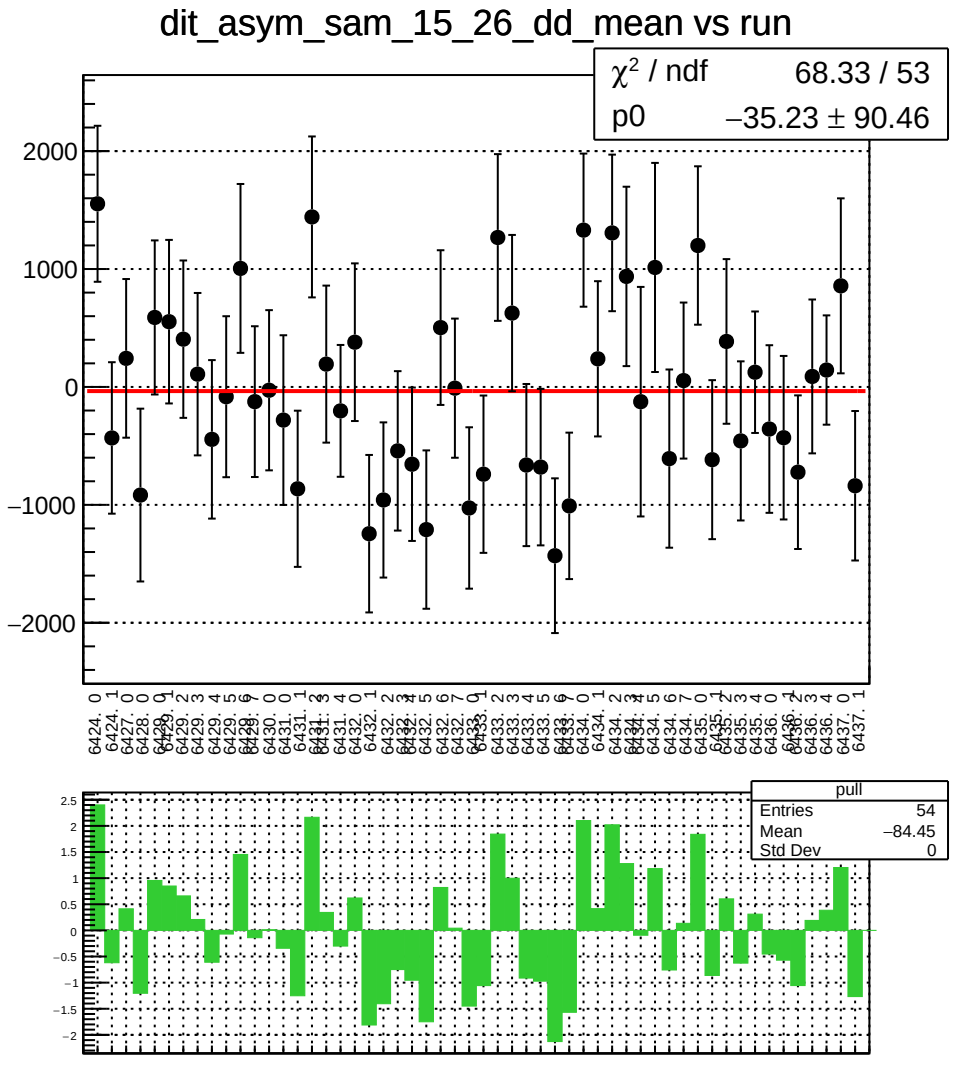
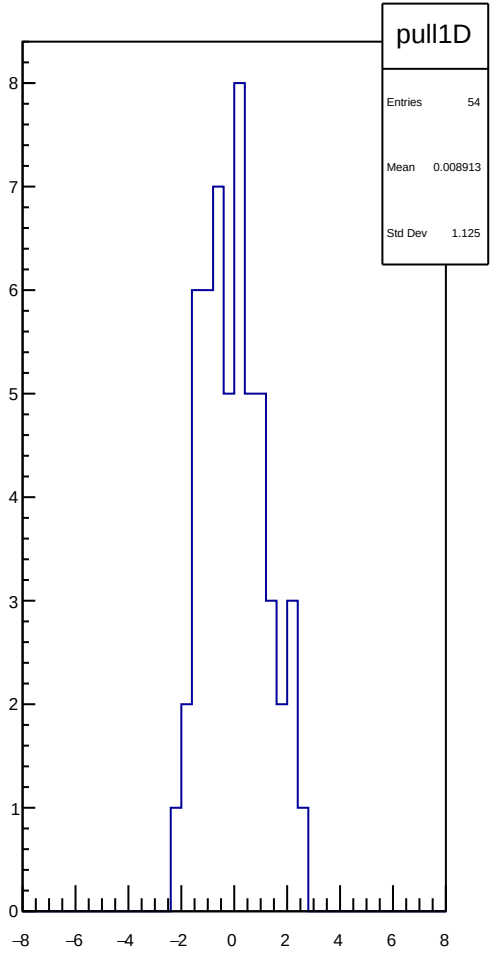
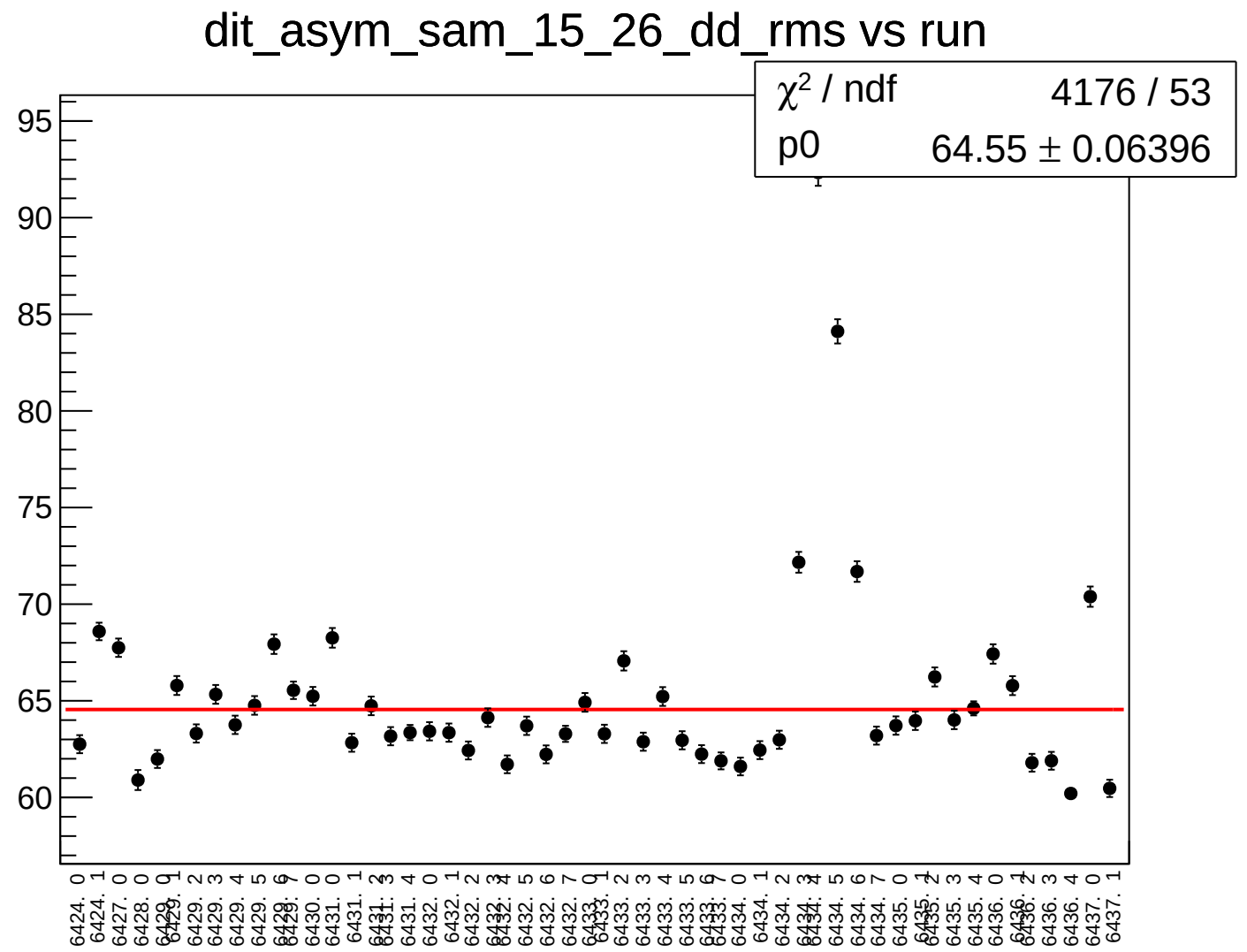
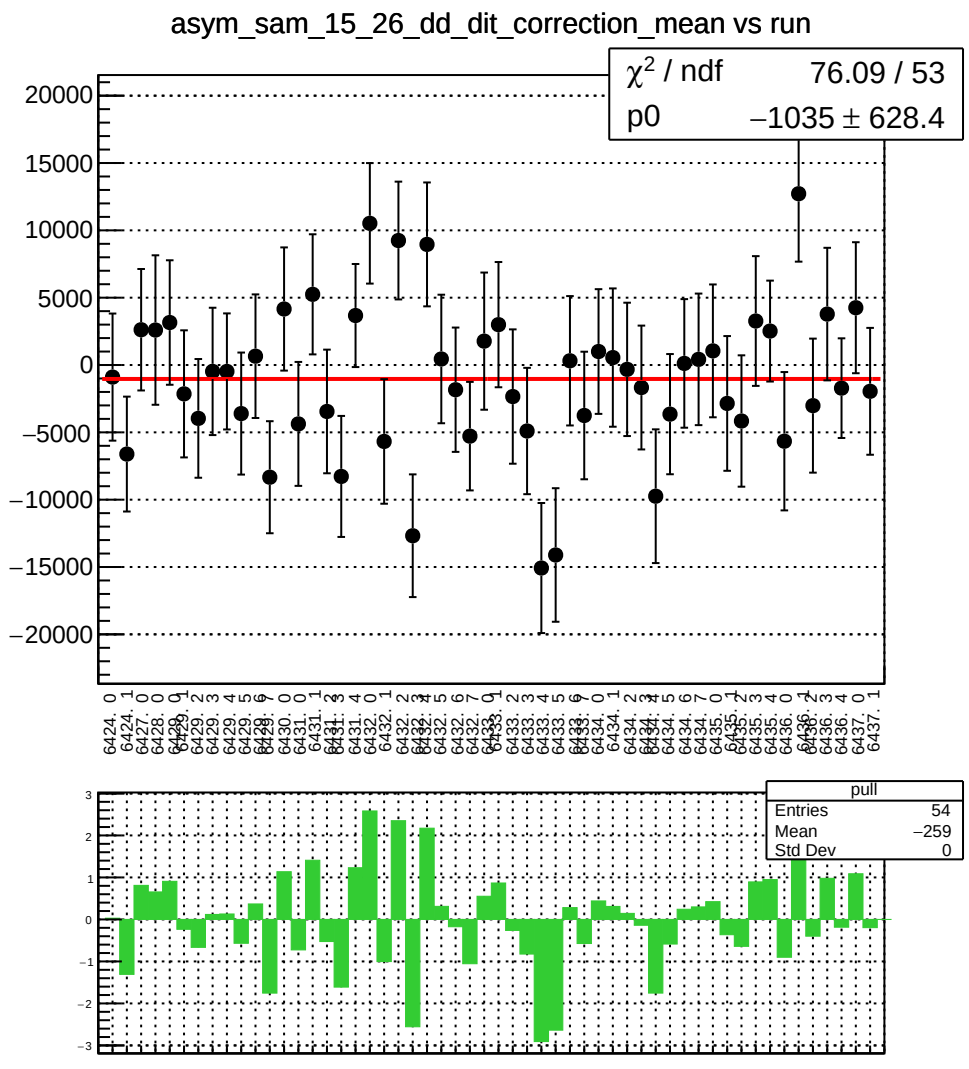
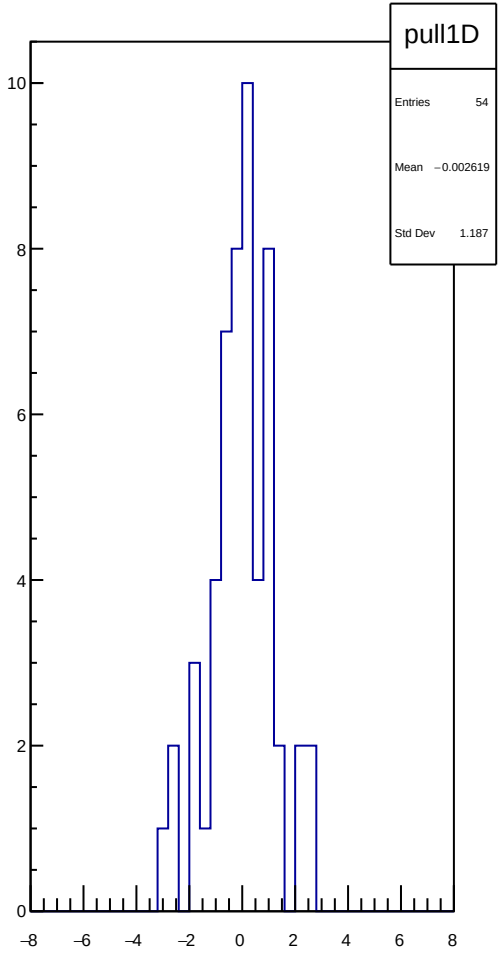
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

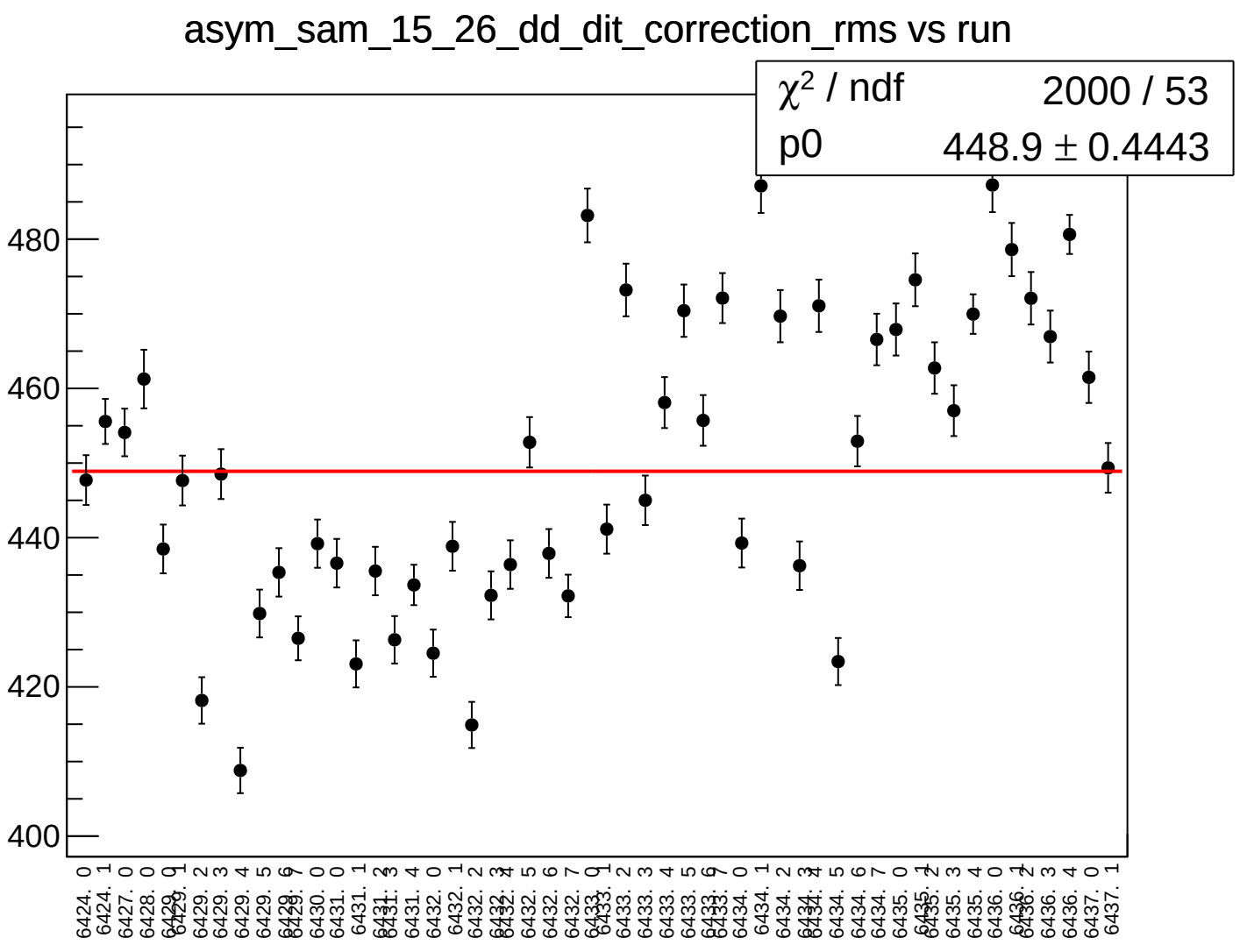

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.33 / 53
p0 −35.23 ± 90.46
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −84.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

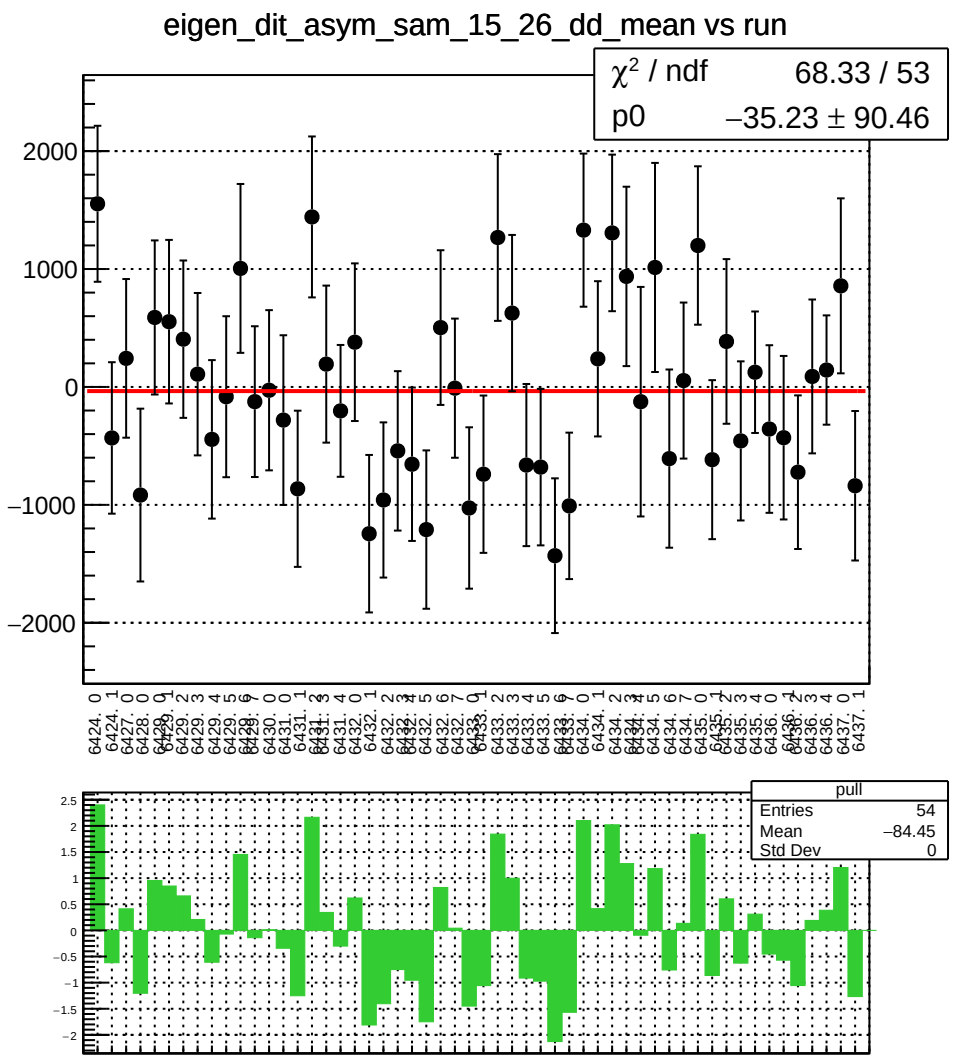

pull1D
Entries 54
Mean 0.008913
Std Dev 1.125
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

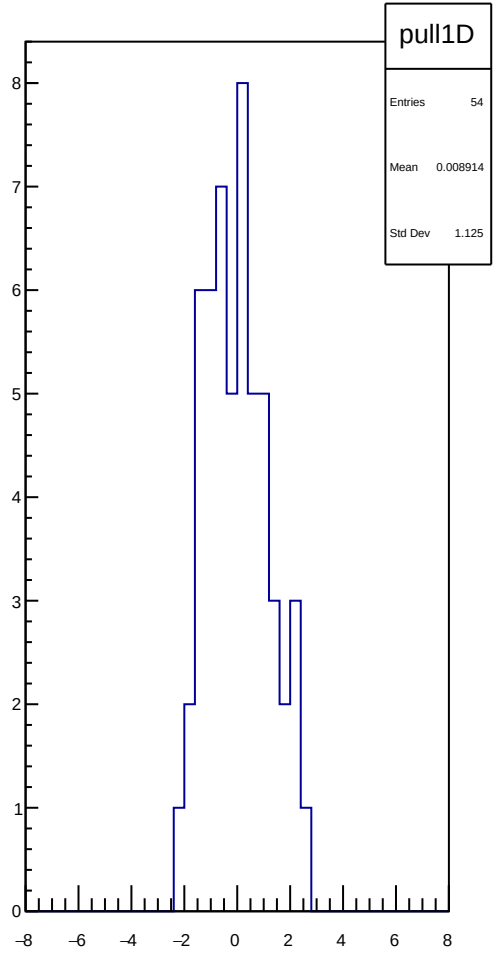

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4176 / 53
p0 64.55 ± 0.06396
95
90
85
80
75
70
65
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

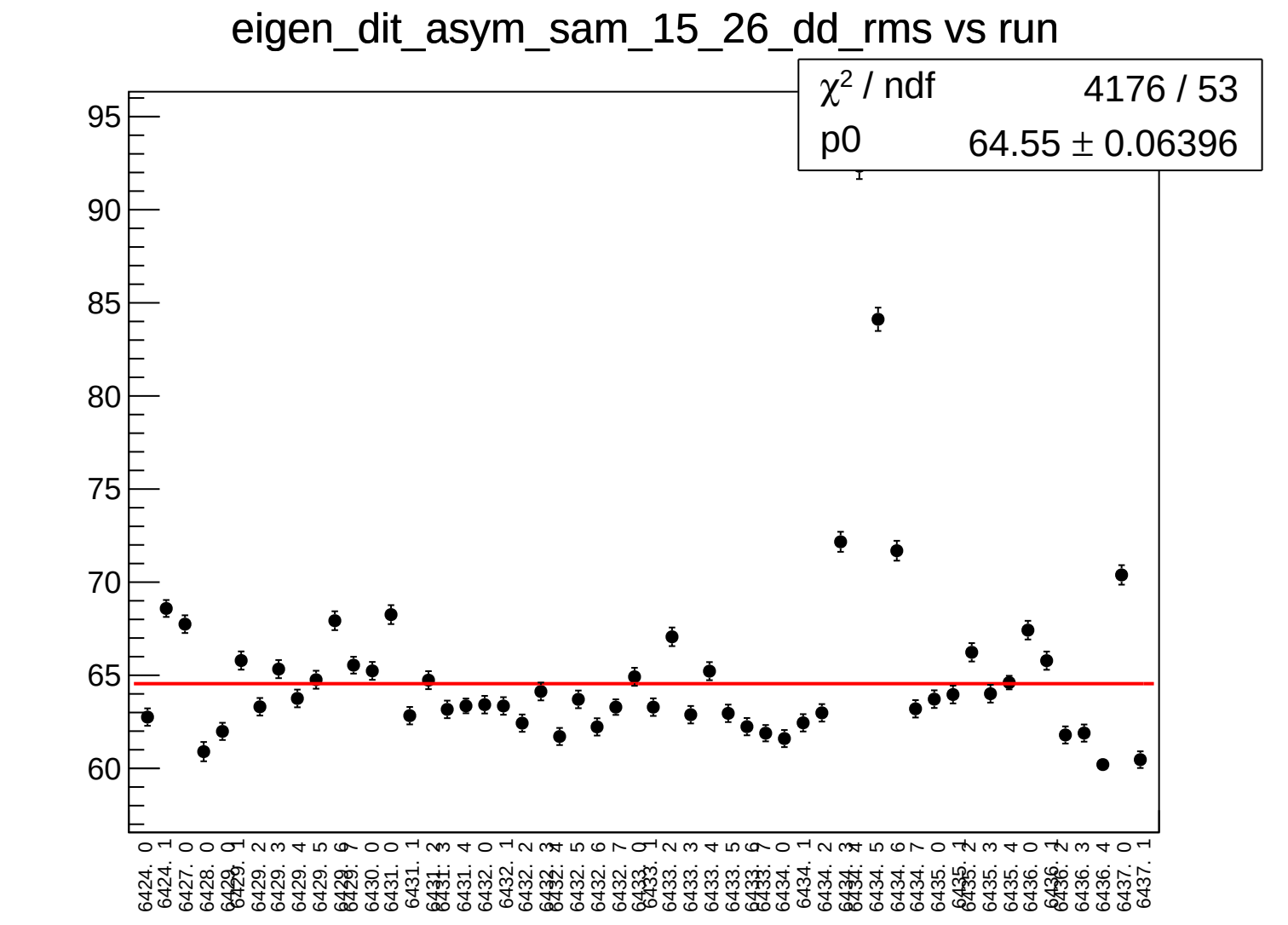

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 76.09 / 53
p0 −1035 ± 628.4
pull
Entries 54
Mean −259
Std Dev 0

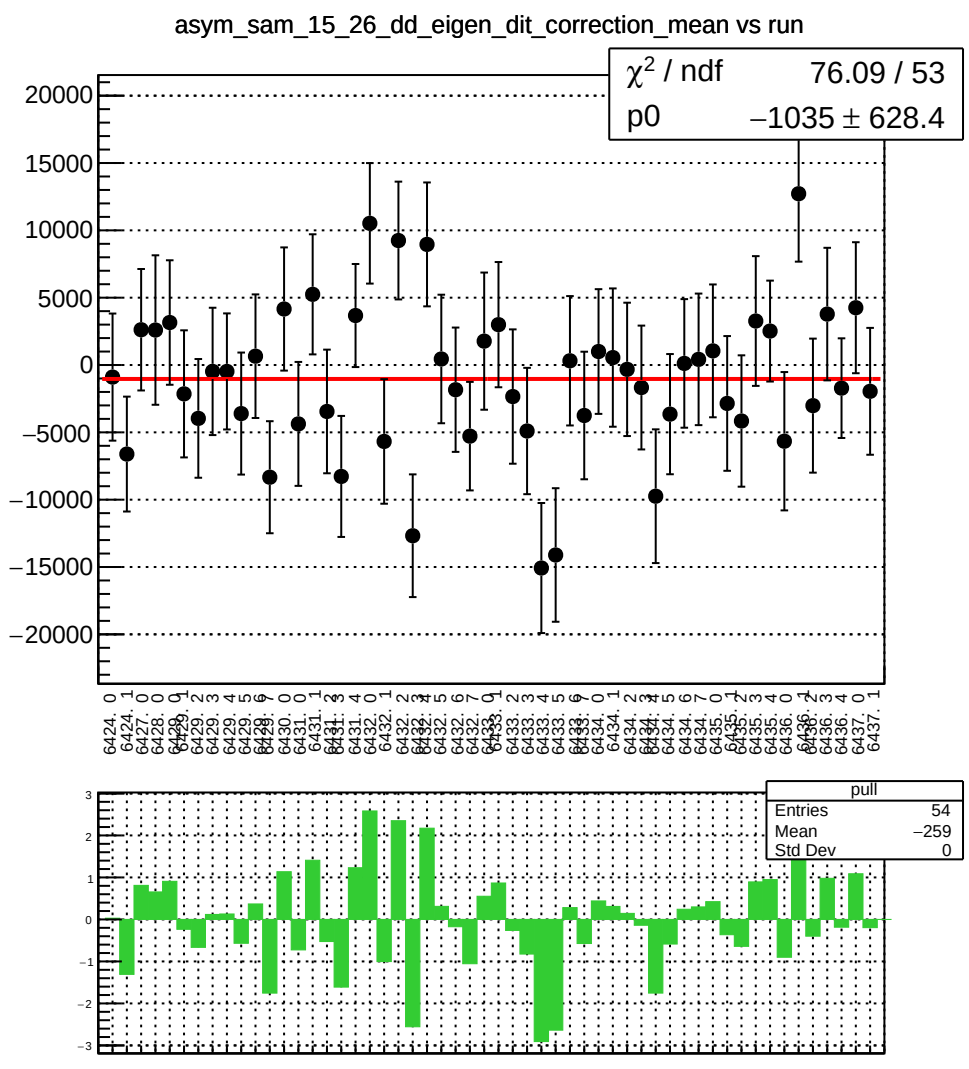

pull1D
Entries 54
Mean −0.002619
Std Dev 1.187

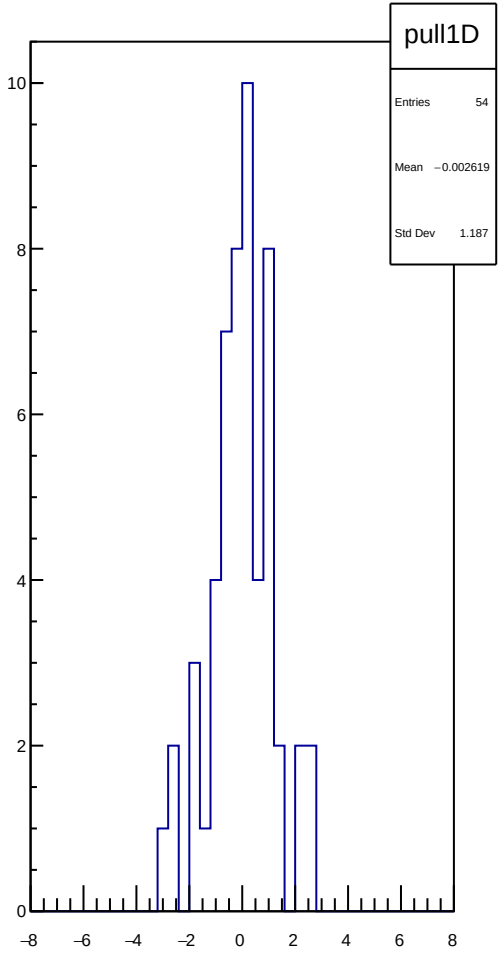

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2000 / 53
p0 448.9 ± 0.4443
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

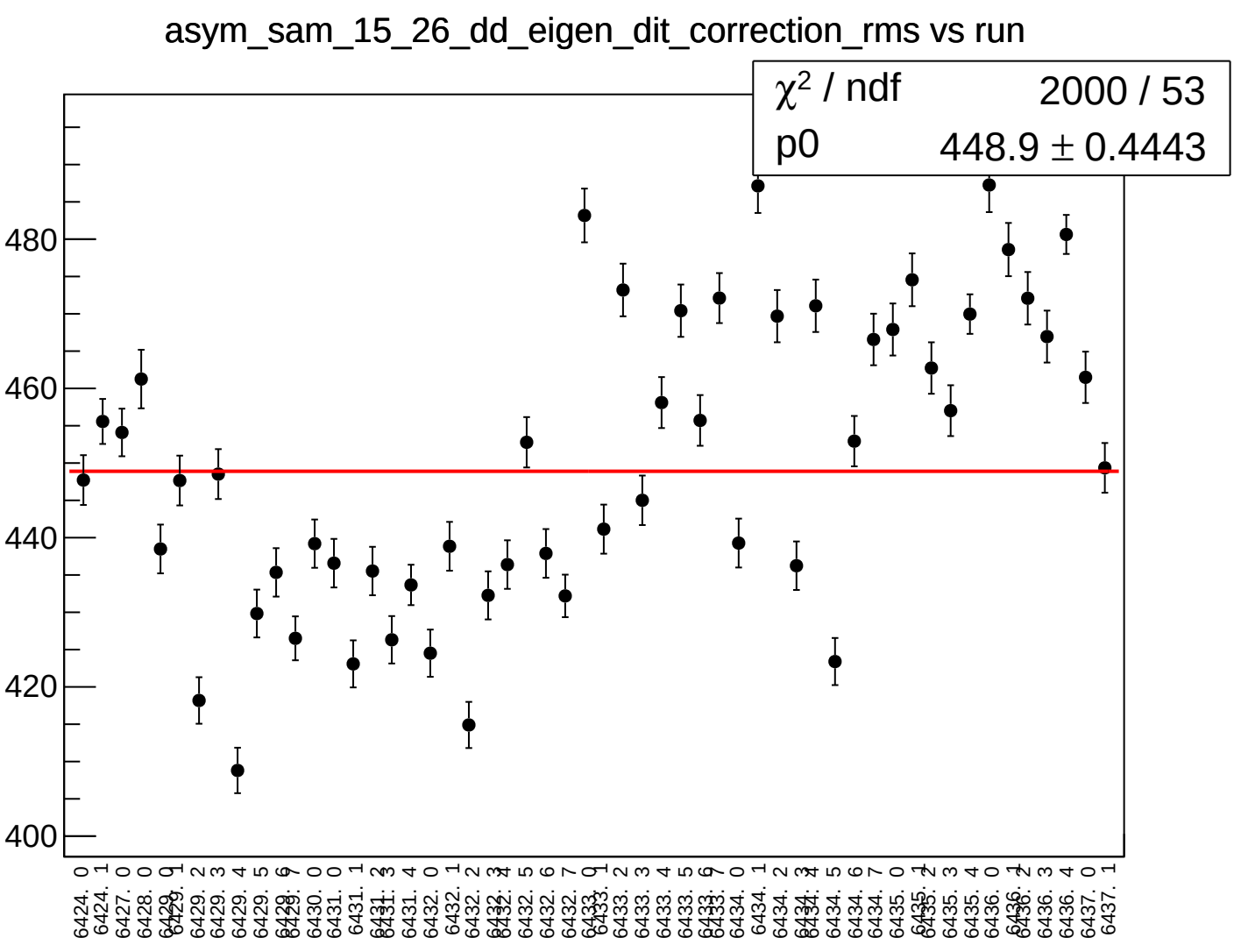

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.33 / 53
p0 −35.23 ± 90.46
2000
1000
0
−1000
−2000
pull
Entries 54
Mean −84.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

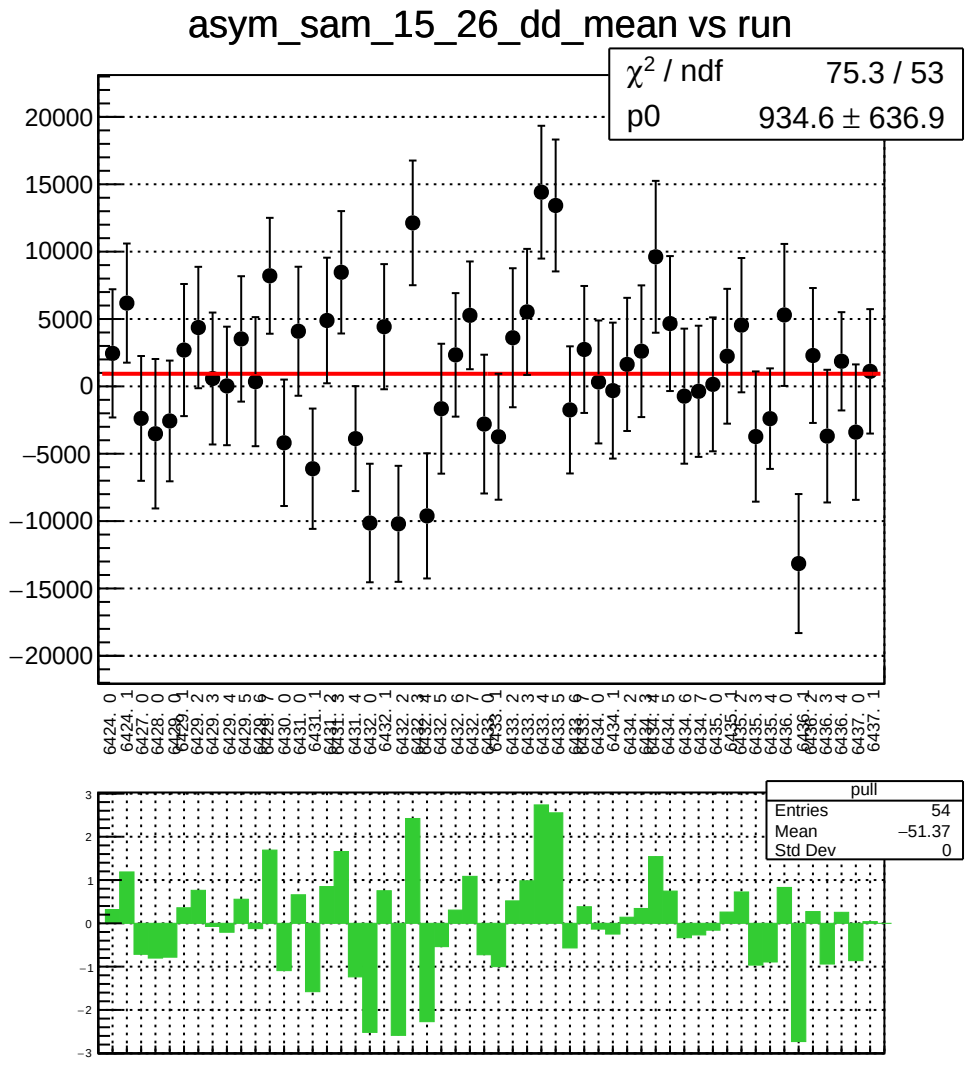

pull1D
Entries 54
Mean 0.008914
Std Dev 1.125
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

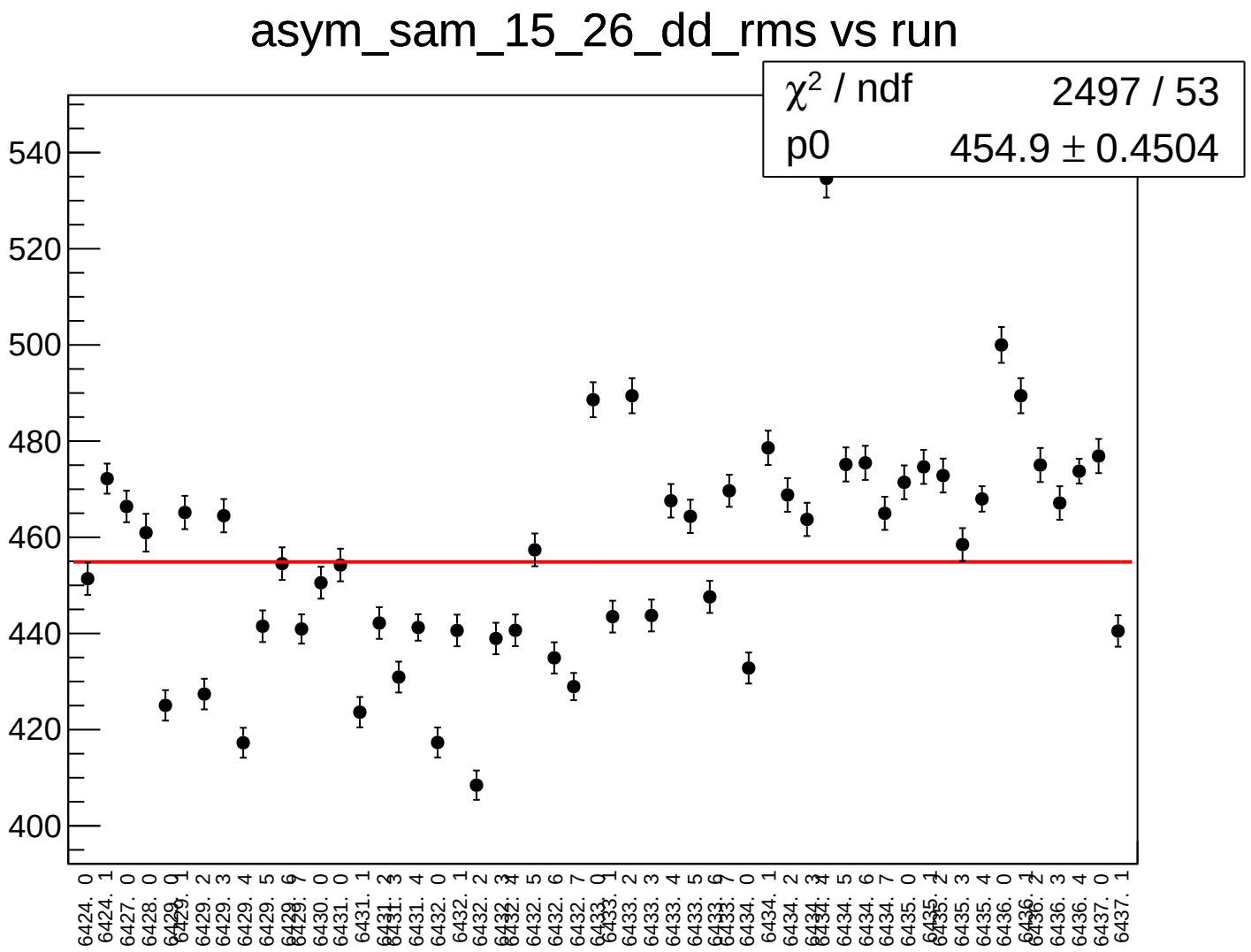

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4176 / 53
p0 64.55 ± 0.06396
95
90
85
80
75
70
65
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

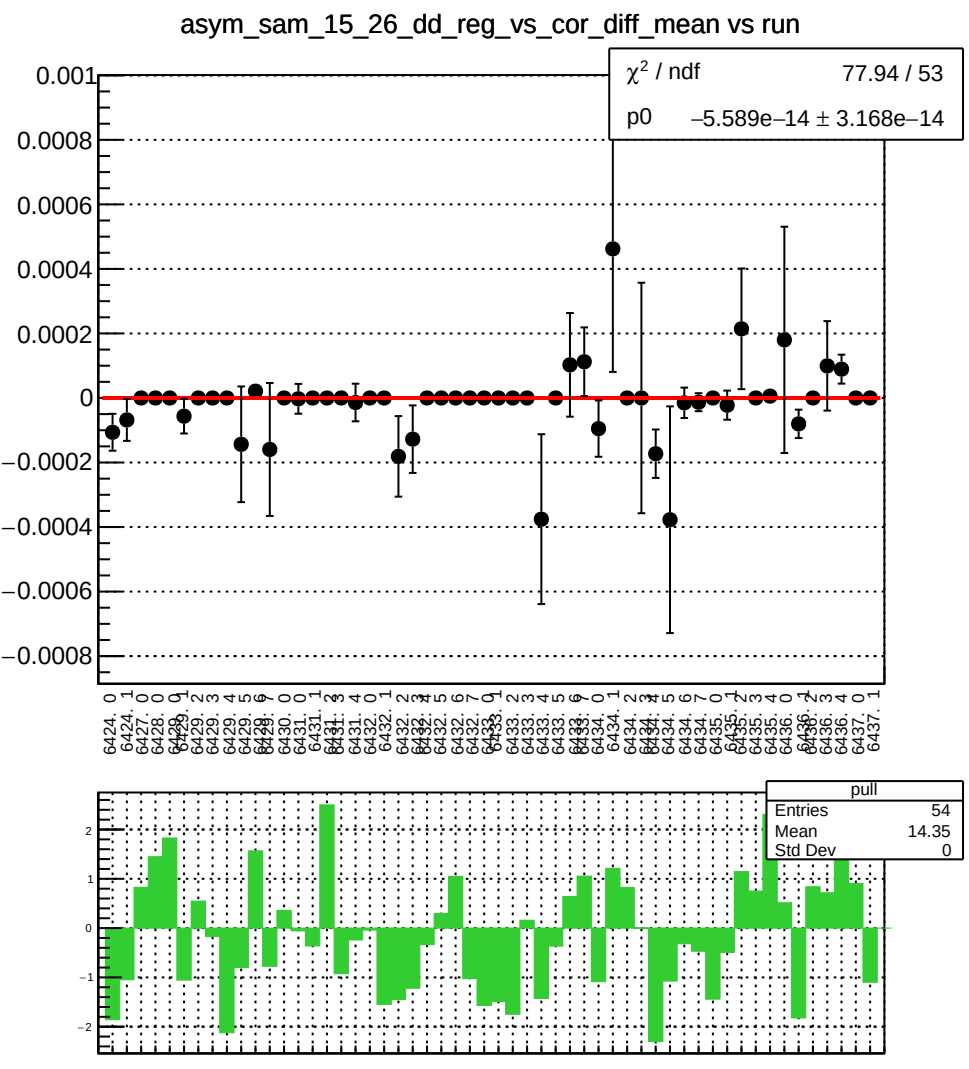

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.09 / 53
p0 −1035 ± 628.4
pull
Entries 54
Mean −259
Std Dev 0

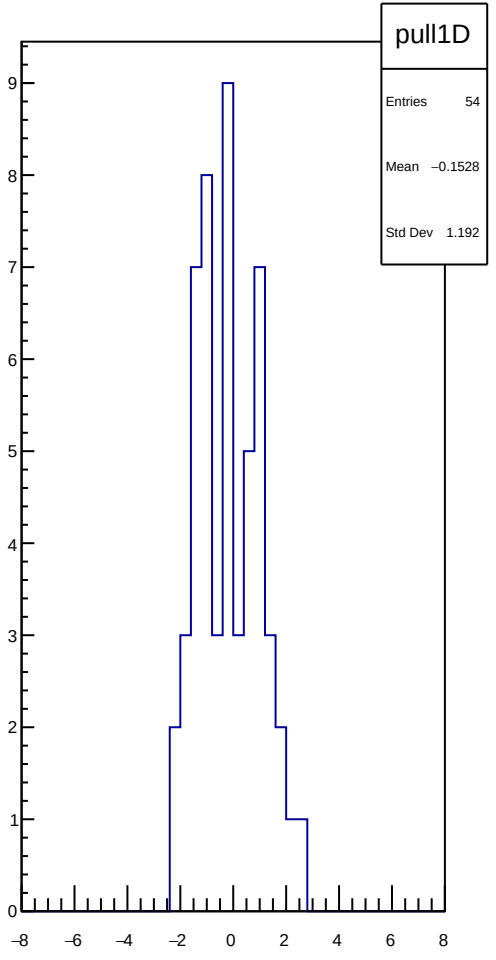

pull1D
Entries 54
Mean −0.002619
Std Dev 1.187

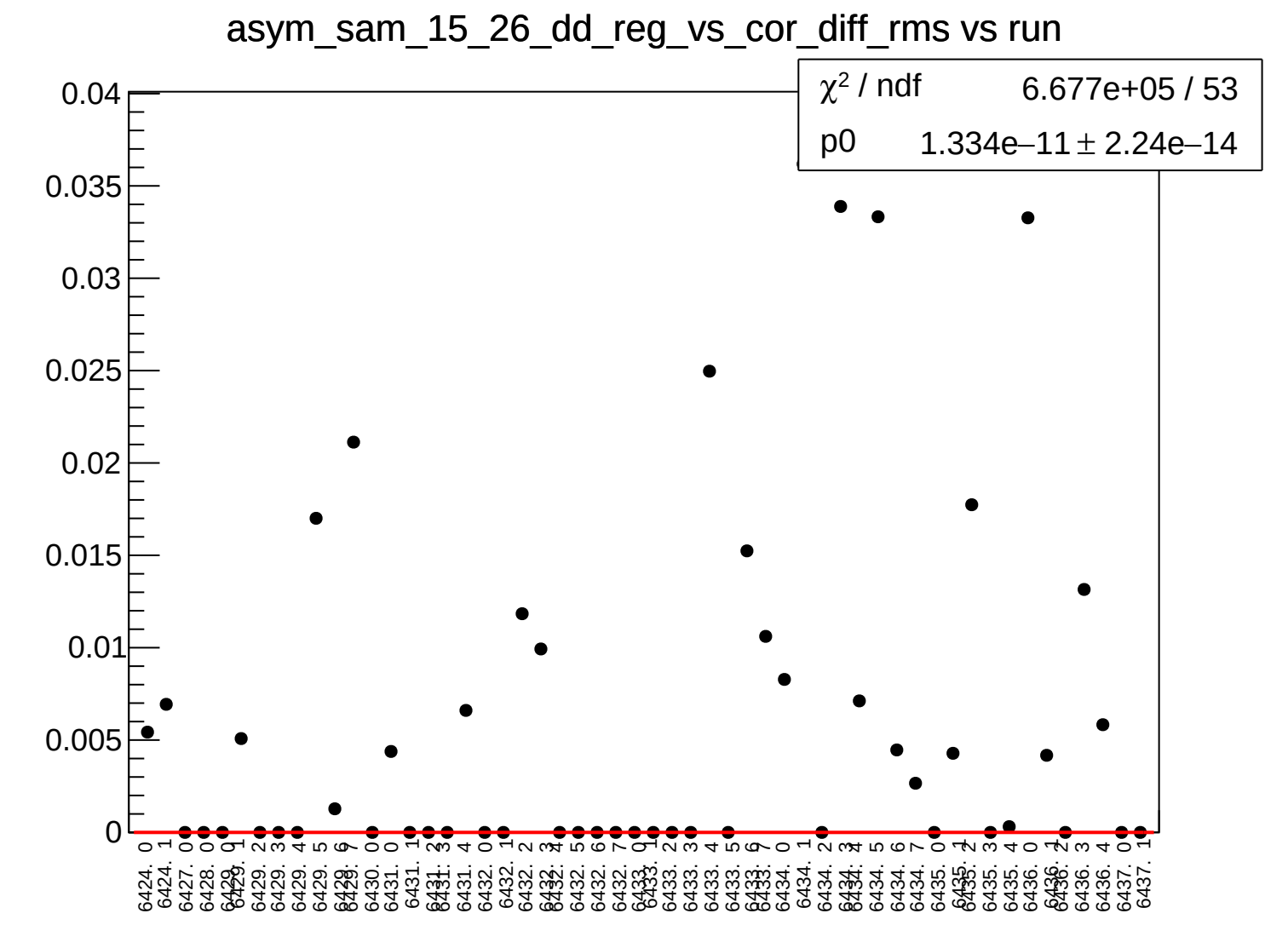

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2000 / 53
p0 448.9 ± 0.4443
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

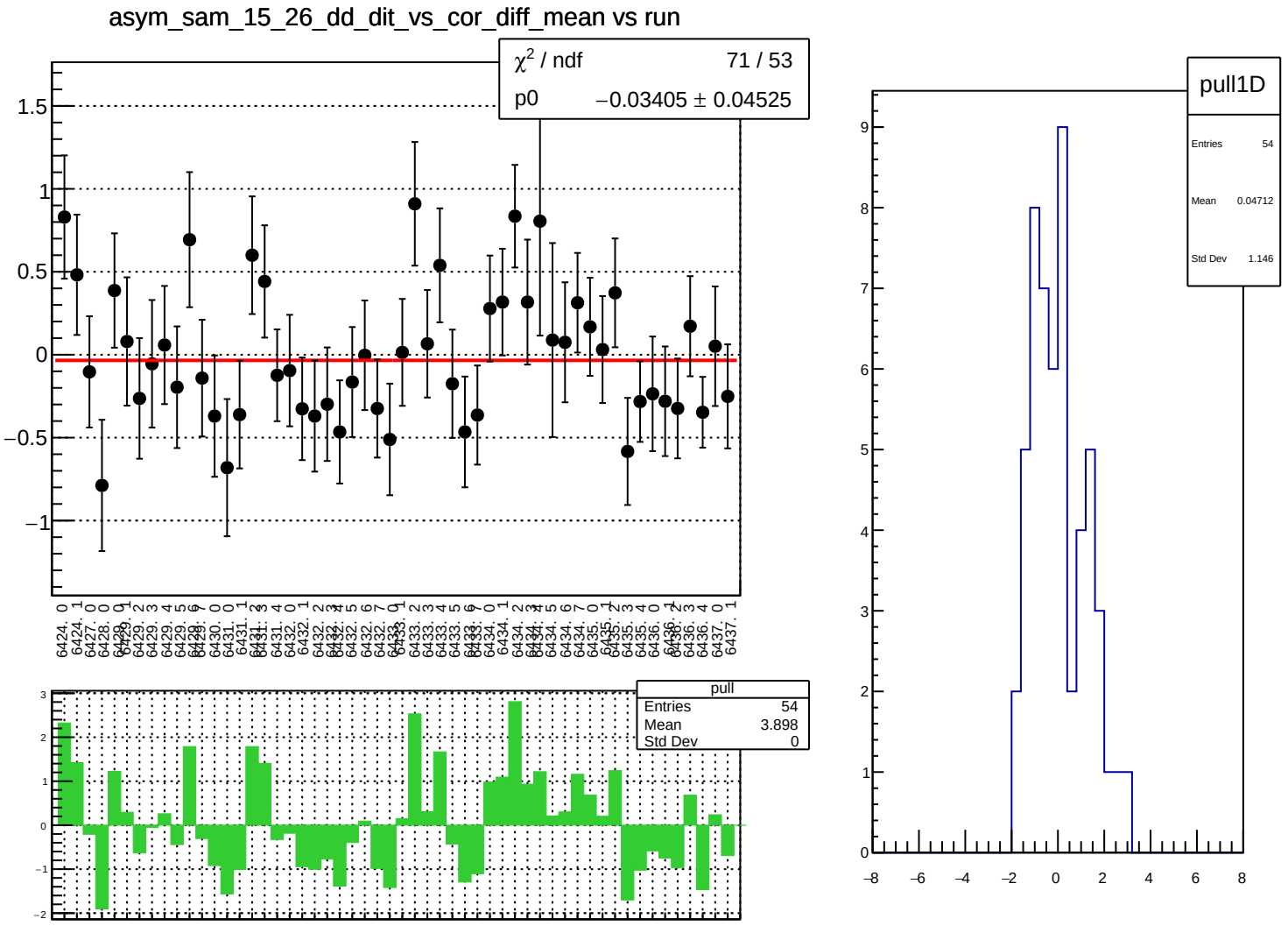

asym_sam_15_26_dd_mean vs run
χ² / ndf 75.3 / 53
p0 934.6 ± 636.9
pull
Entries 54
Mean −51.37
Std Dev 0
pull1D
Entries 54
Mean 0.01081
Std Dev 1.181

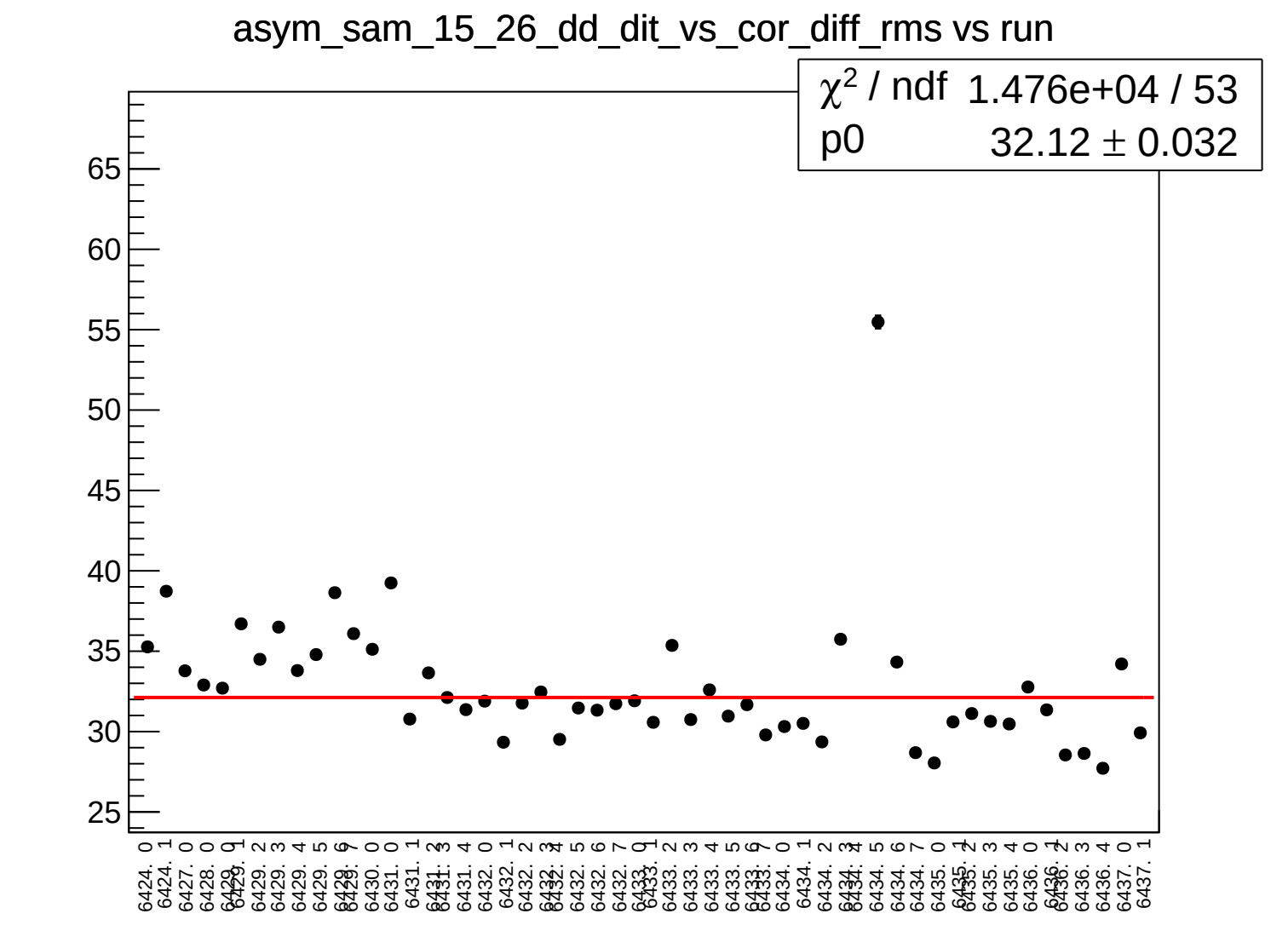

asym_sam_15_26_dd_rms vs run
χ² / ndf 2497 / 53
p0 454.9 ± 0.4504
540
520
500
480
460
440
420
400
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

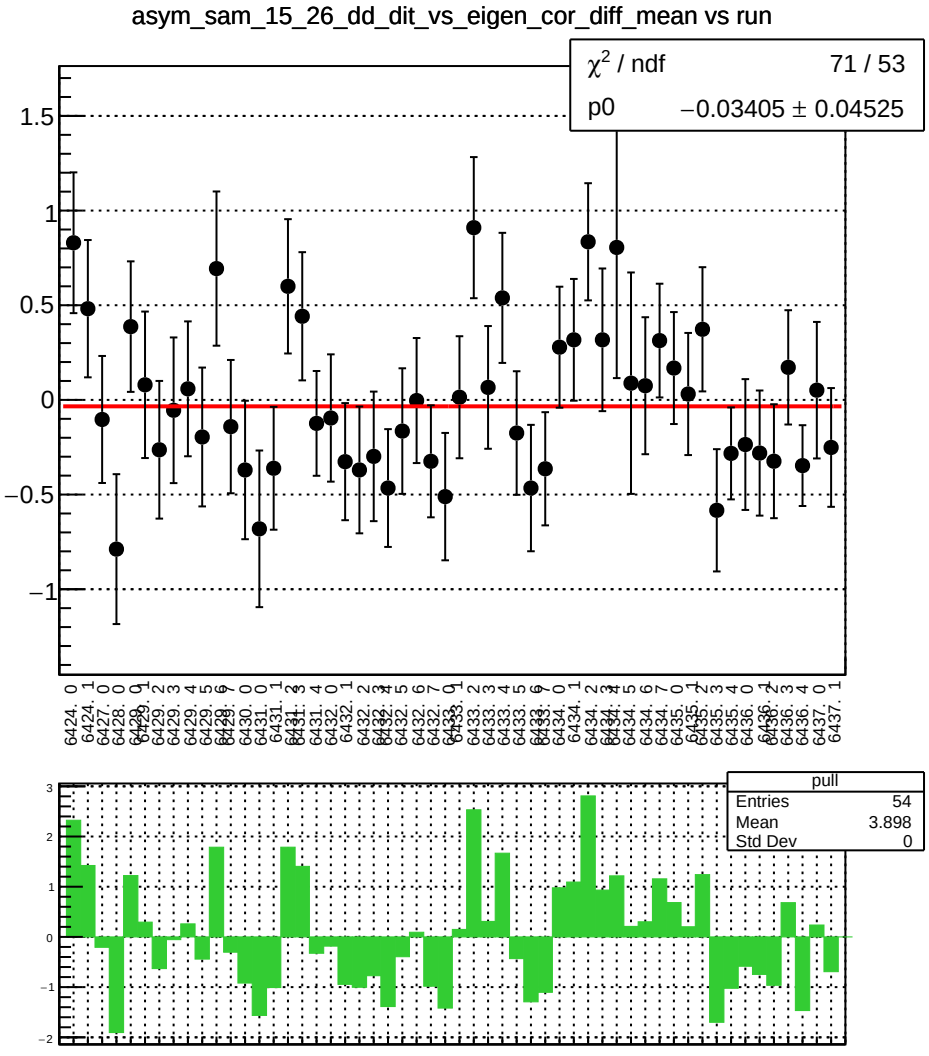

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.94 / 53
p0 −5.589e−14 ± 3.168e−14
pull
Entries 54
Mean 14.35
Std Dev 0

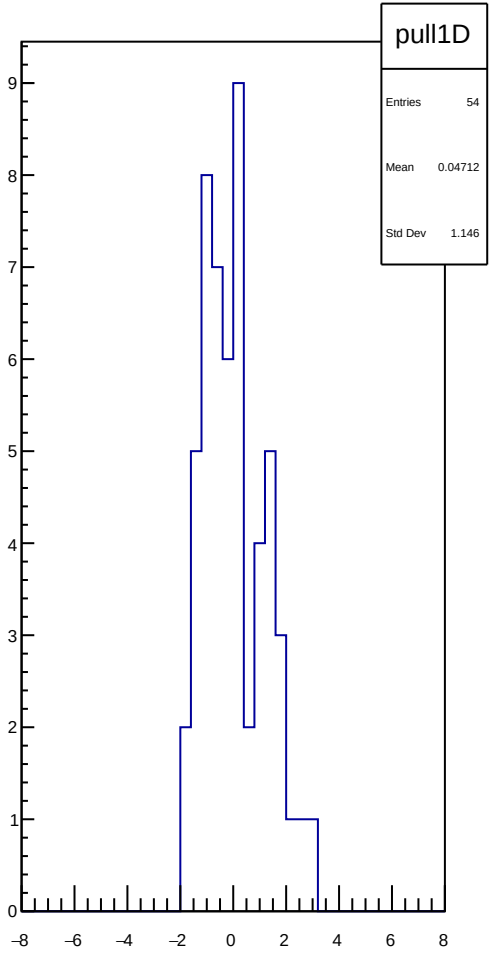

pull1D
Entries 54
Mean −0.1528
Std Dev 1.192

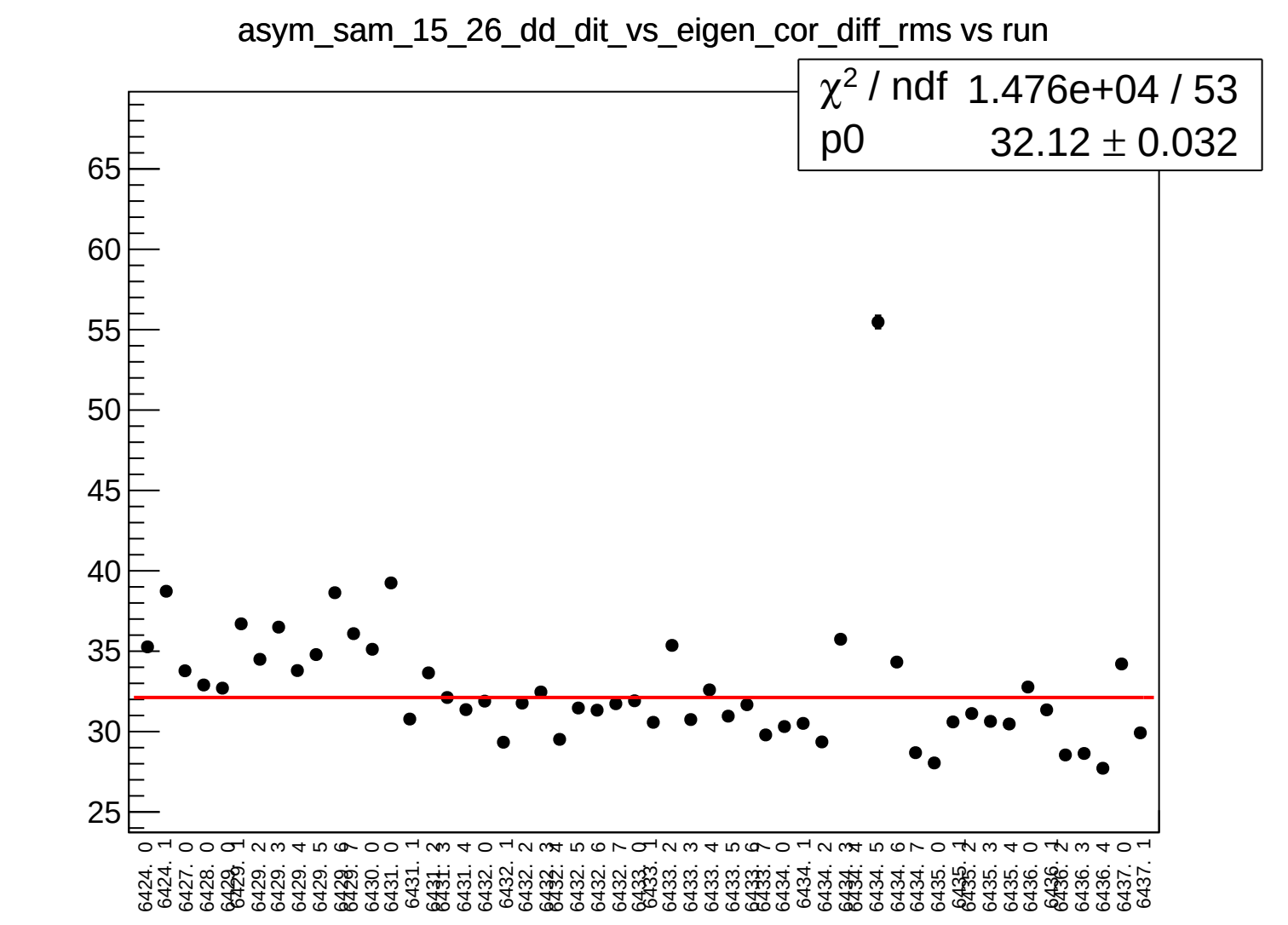

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.677e+05 / 53
p0 1.334e−11 ± 2.24e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

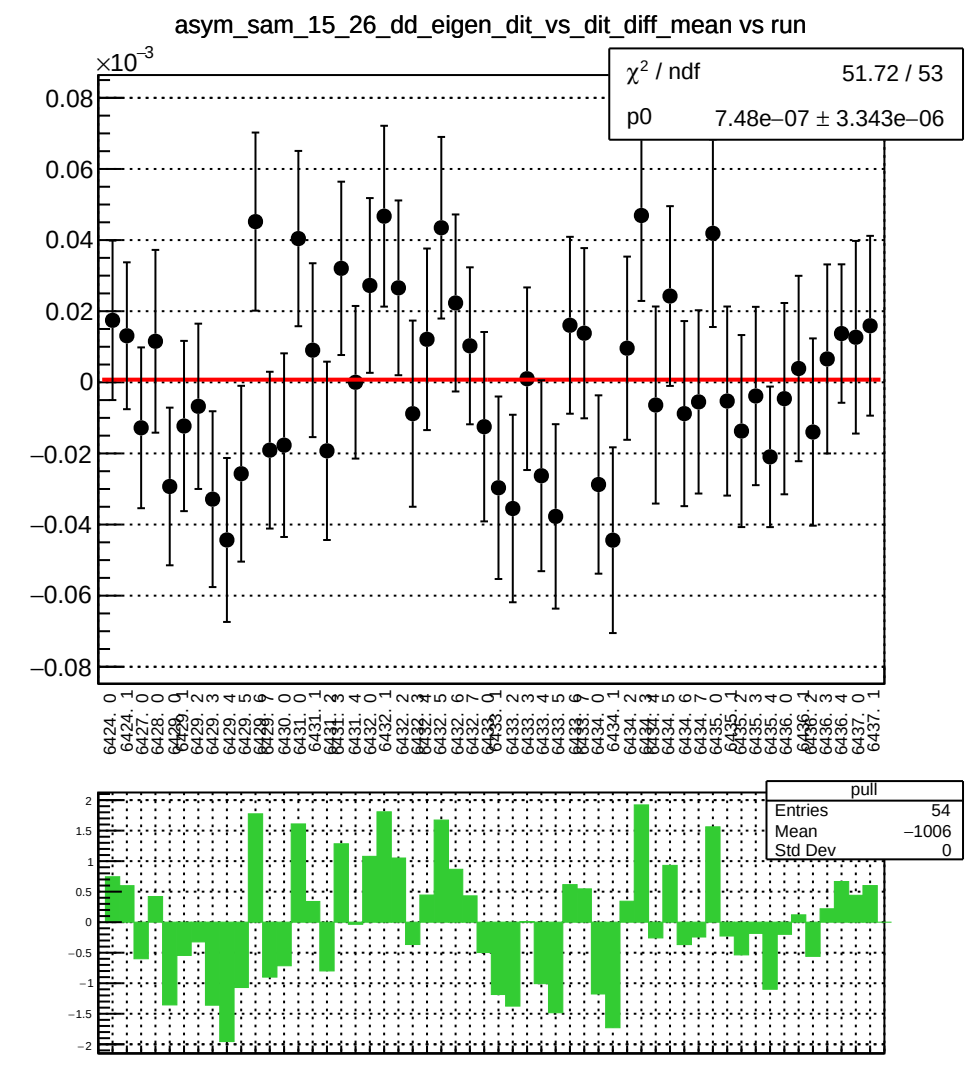

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71 / 53
p0 −0.03405 ± 0.04525
pull
Entries 54
Mean 3.898
Std Dev 0
pull1D
Entries 54
Mean 0.04712
Std Dev 1.146

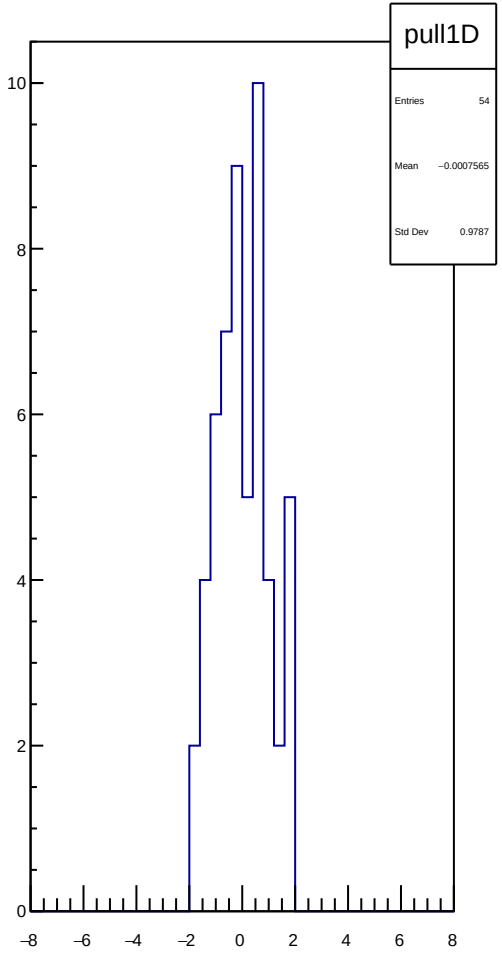

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.476e+04 / 53
p0 32.12 ± 0.032
65
60
55
50
45
40
35
30
25
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 4
6437. 0
6437. 1

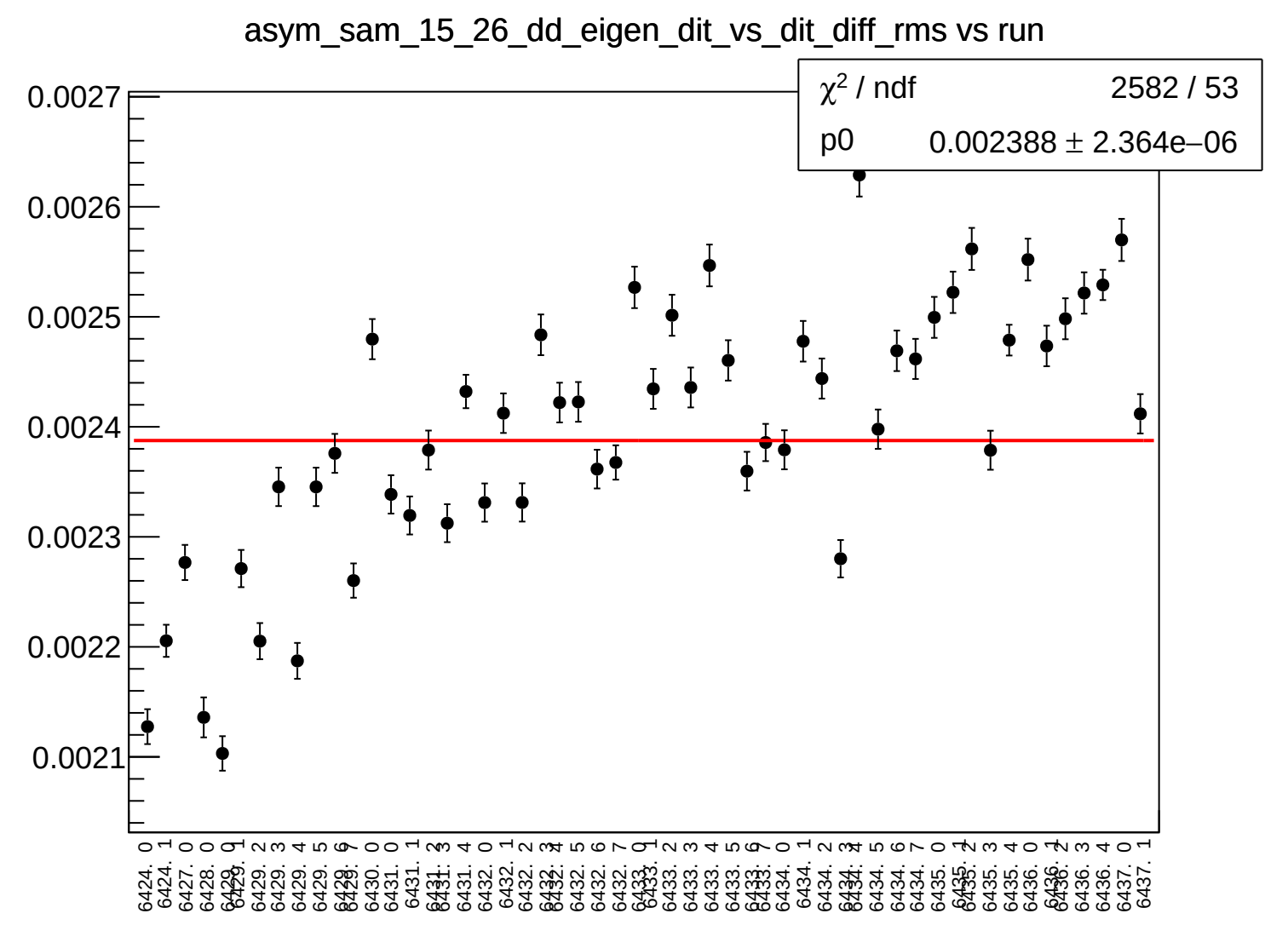

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71 / 53
p0 −0.03405 ± 0.04525
pull
Entries 54
Mean 3.898
Std Dev 0

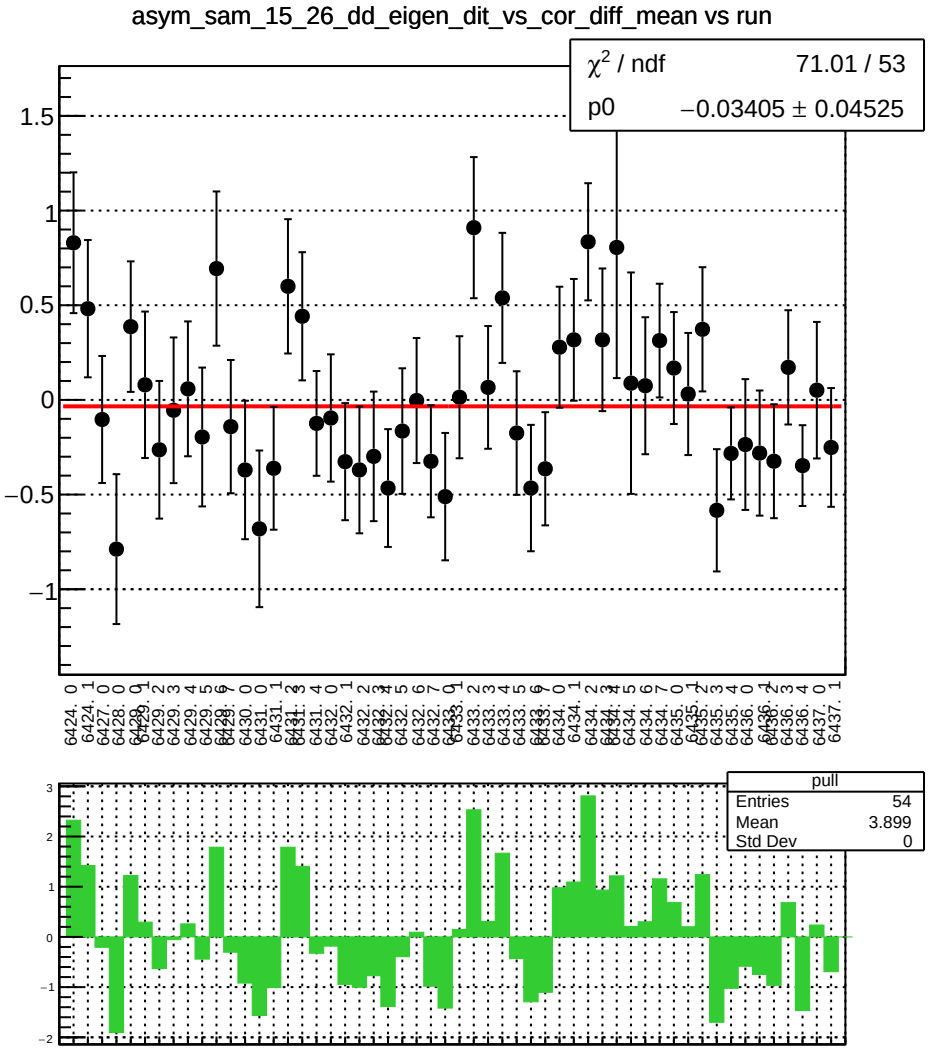

pull1D
Entries 54
Mean 0.04712
Std Dev 1.146

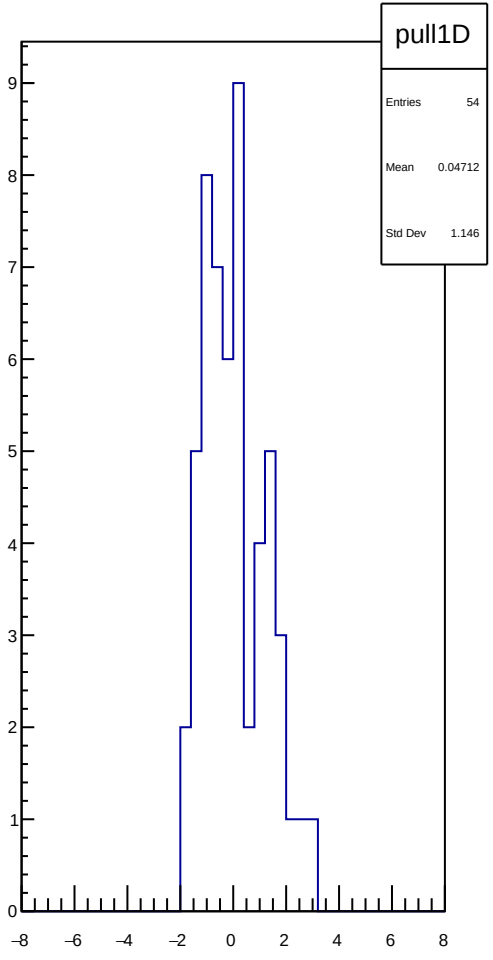

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.476e+04 / 53
p0 32.12 ± 0.032
65
60
55
50
45
40
35
30
25
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

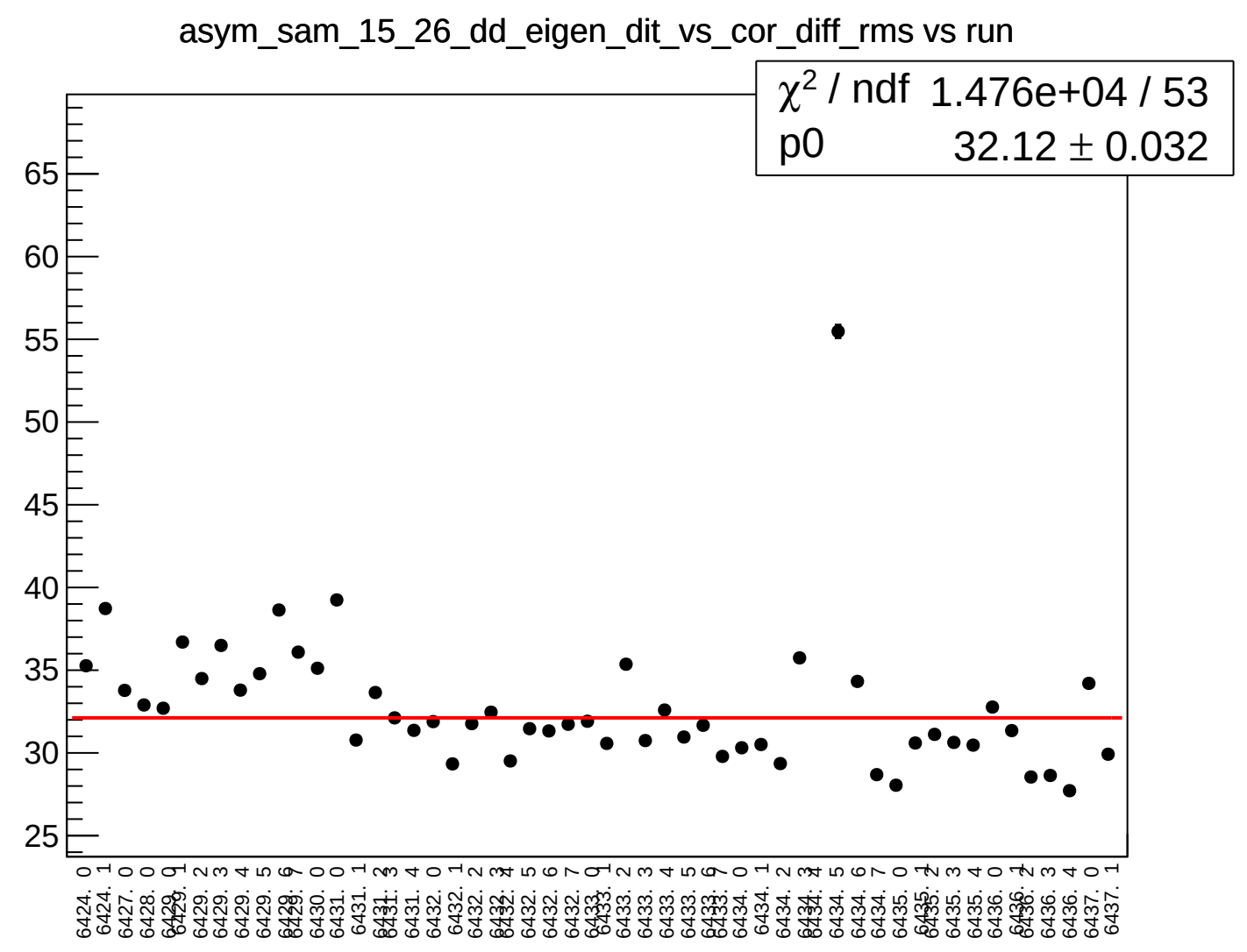

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.72 / 53
p0 7.48e−07 ± 3.343e−06
pull
Entries 54
Mean −1006
Std Dev 0

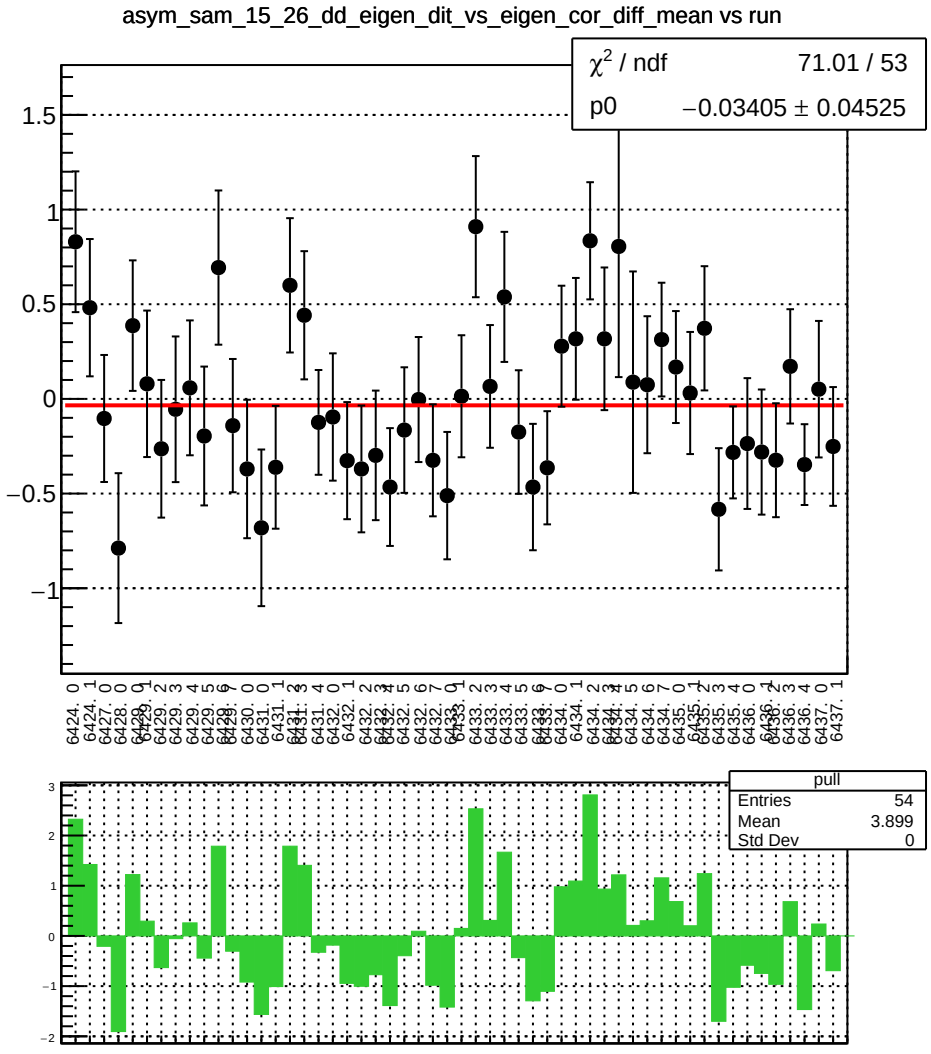

pull1D
Entries 54
Mean −0.0007565
Std Dev 0.9787

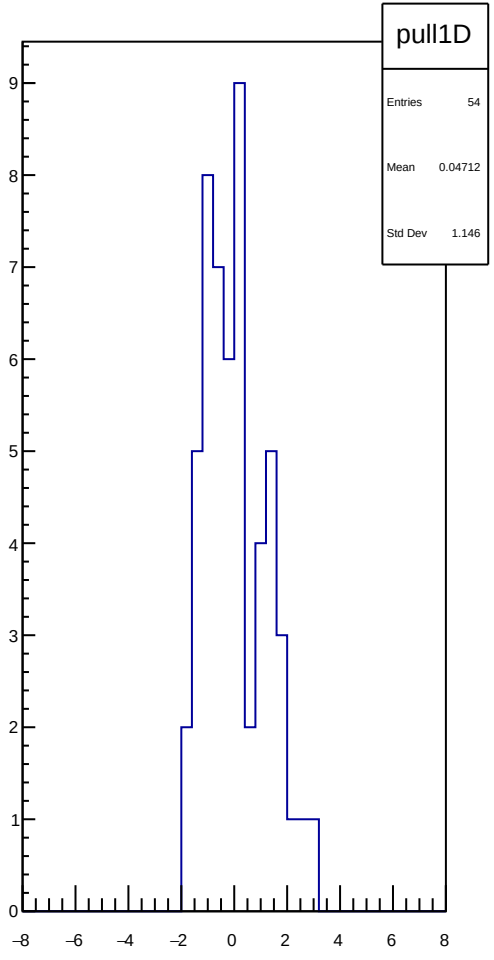

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2582 / 53
p0 0.002388 ± 2.364e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

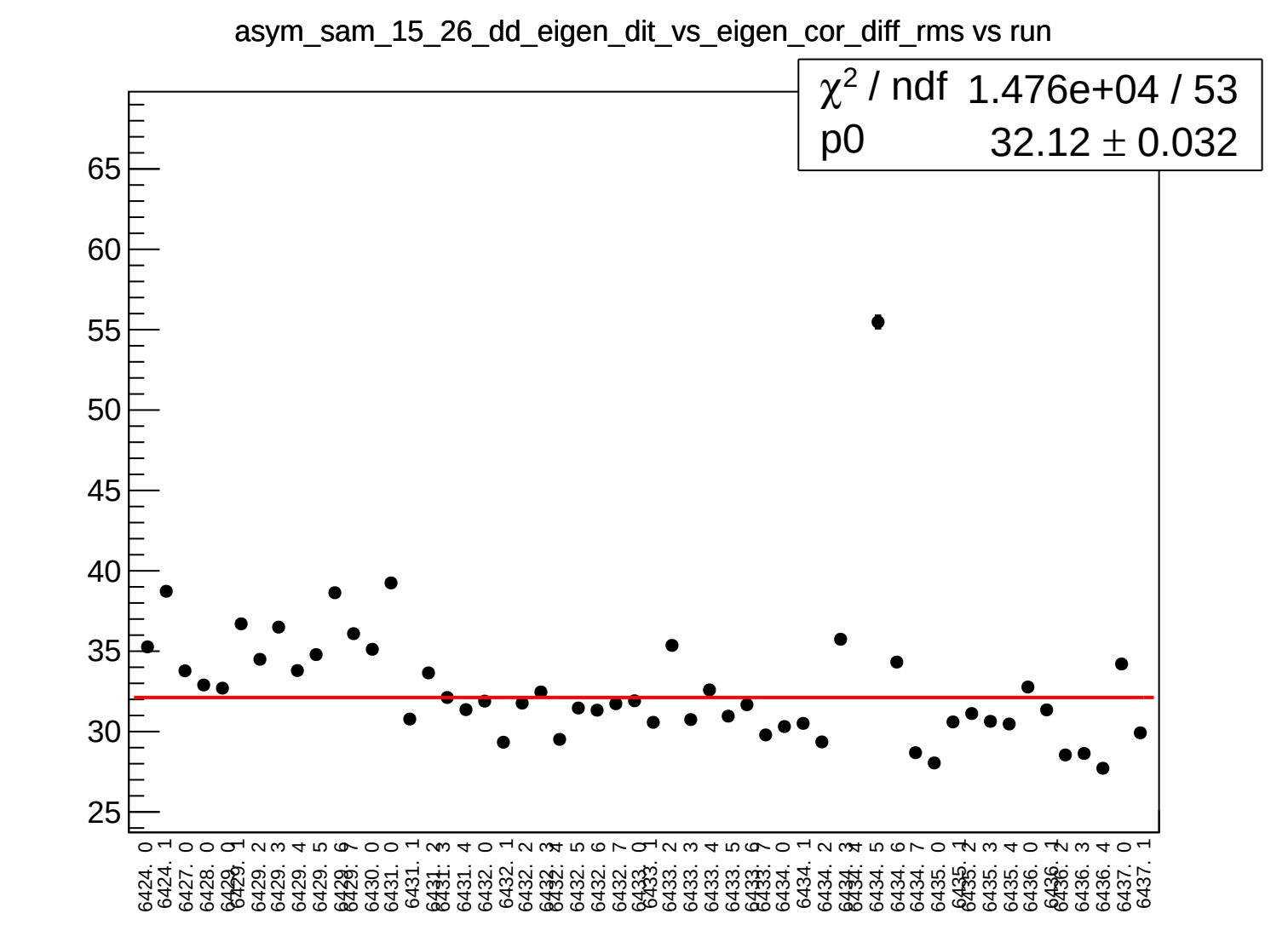

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.01 / 53
p0 −0.03405 ± 0.04525
pull
Entries 54
Mean 3.899
Std Dev 0

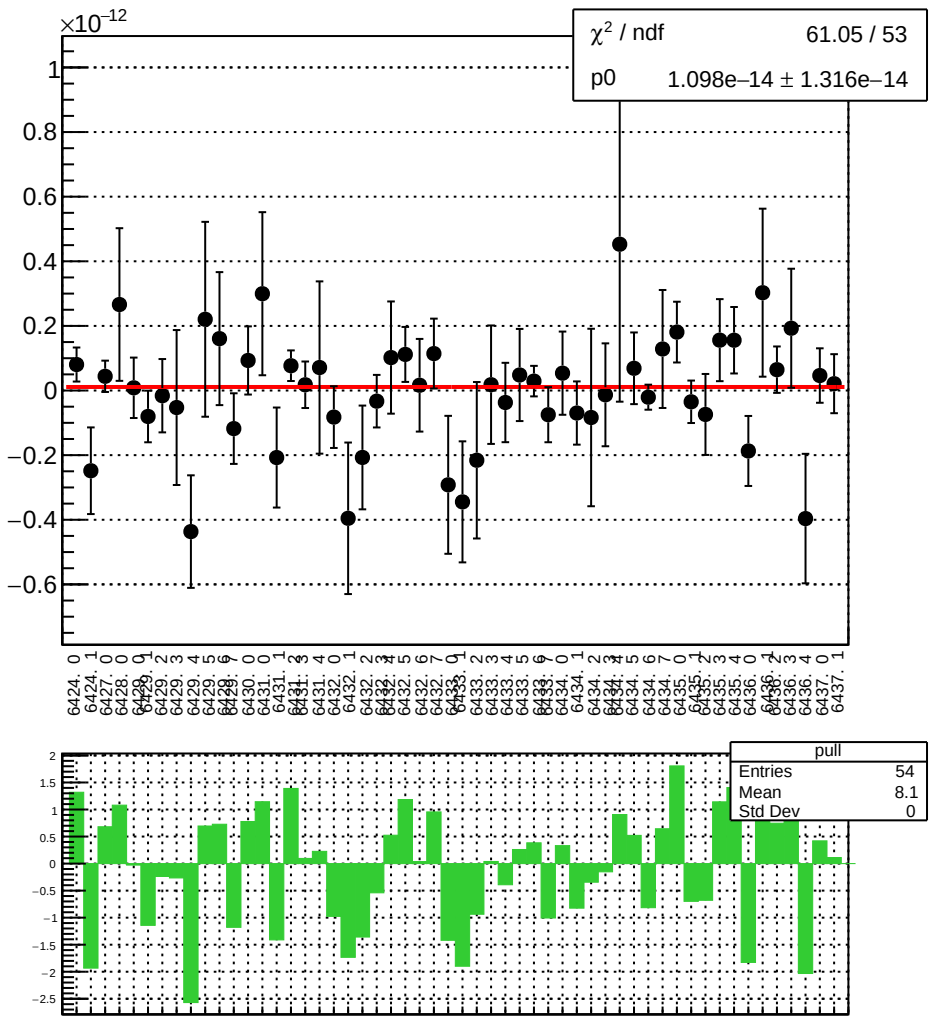

pull1D
Entries 54
Mean 0.04712
Std Dev 1.146

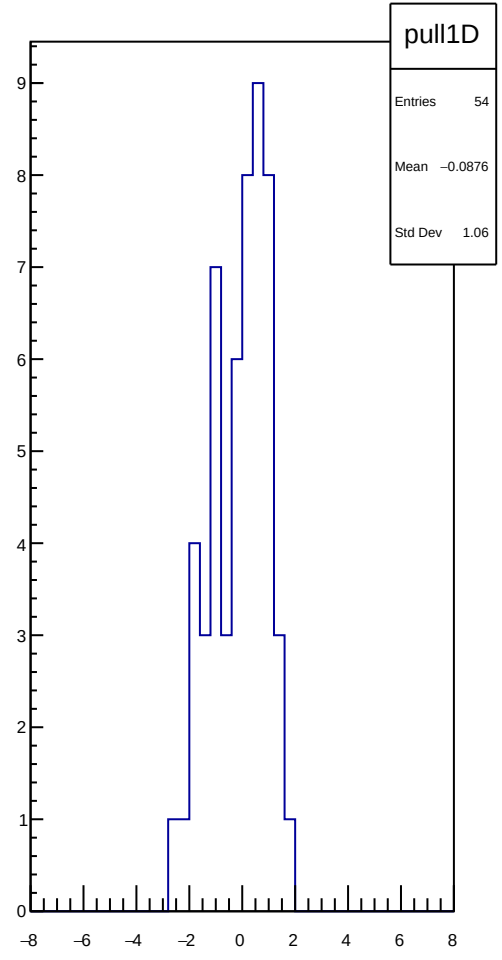

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.476e+04 / 53
p0 32.12 ± 0.032
65
60
55
50
45
40
35
30
25
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

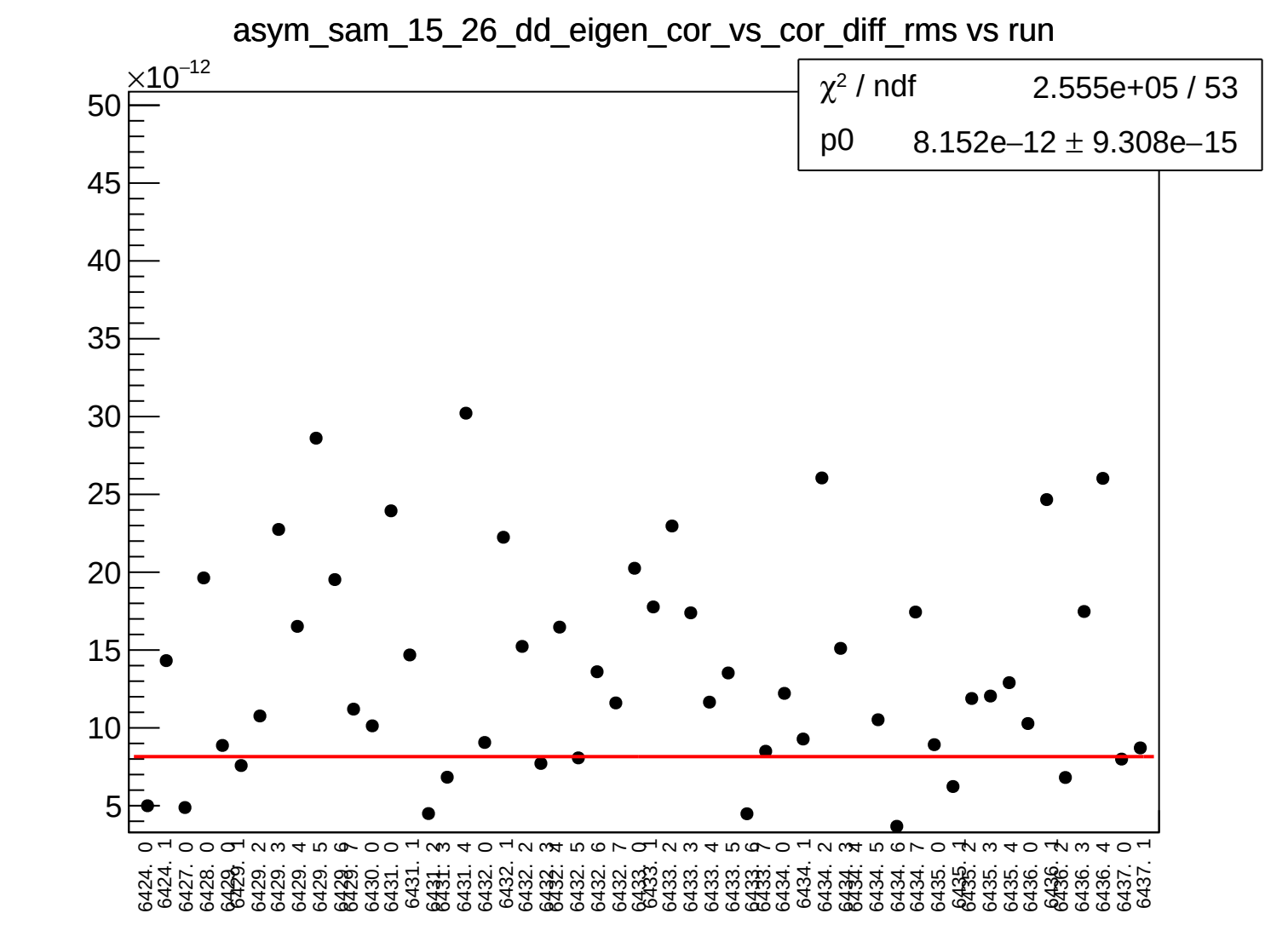

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.01 / 53
p0 −0.03405 ± 0.04525
pull
Entries 54
Mean 3.899
Std Dev 0


pull1D
Entries 54
Mean 0.04712
Std Dev 1.146


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.476e+04 / 53
p0 32.12 ± 0.032
65
60
55
50
45
40
35
30
25
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.05 / 53
p0 1.098e−14 ± 1.316e−14
pull
Entries 54
Mean 8.1
Std Dev 0


pull1D
Entries 54
Mean −0.0876
Std Dev 1.06


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.555e+05 / 53
p0 8.152e−12 ± 9.308e−15
50
45
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
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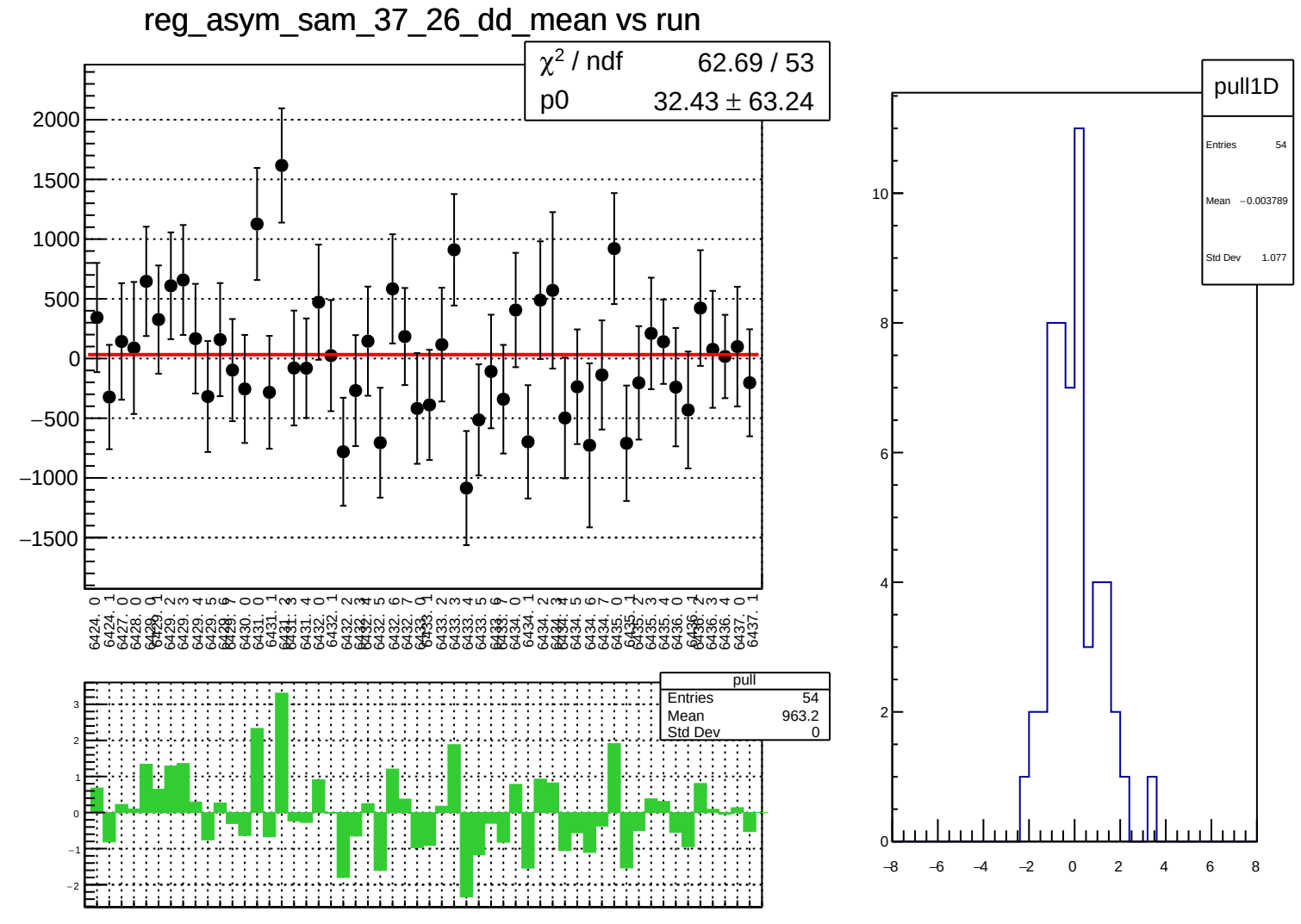
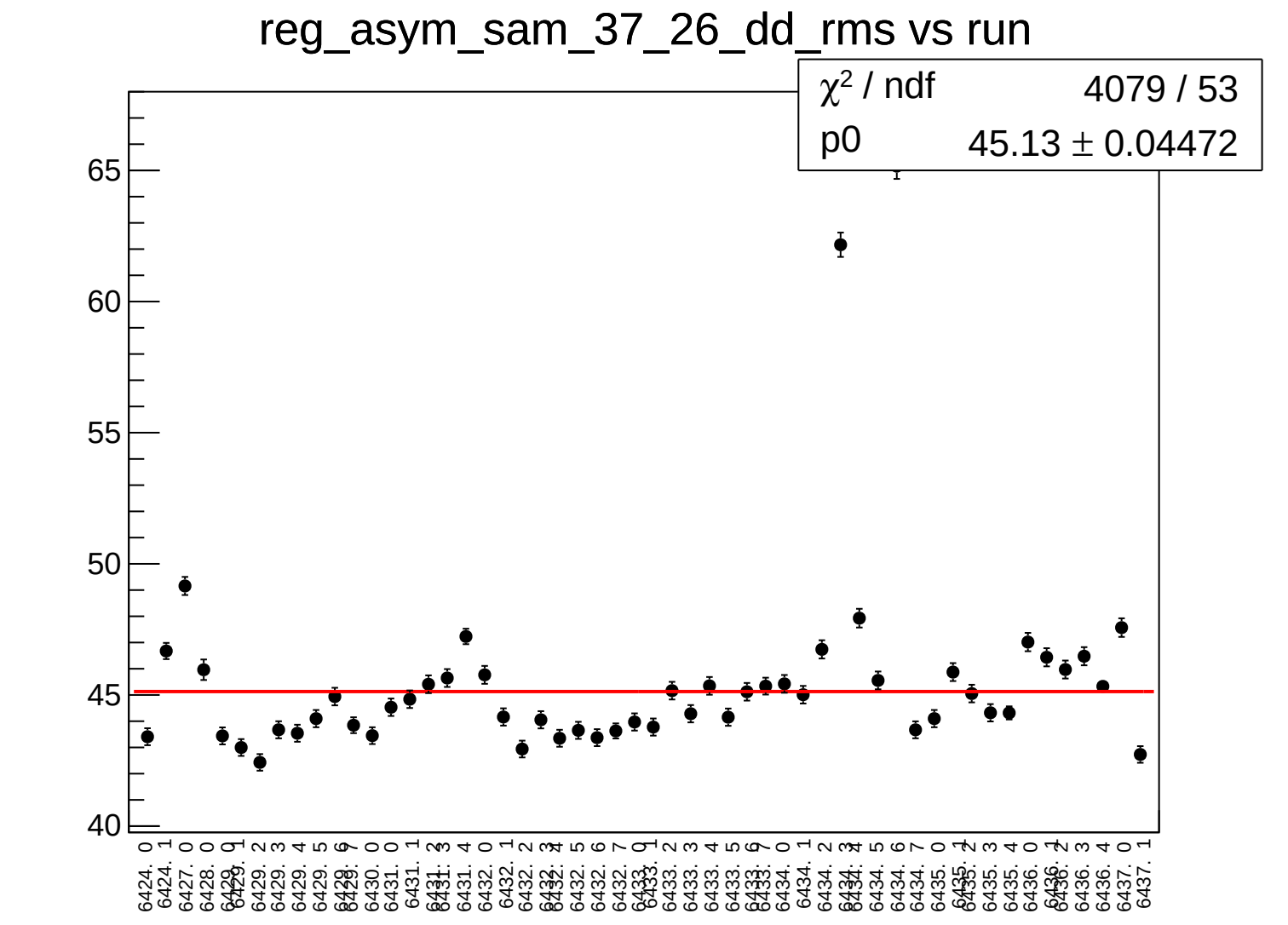
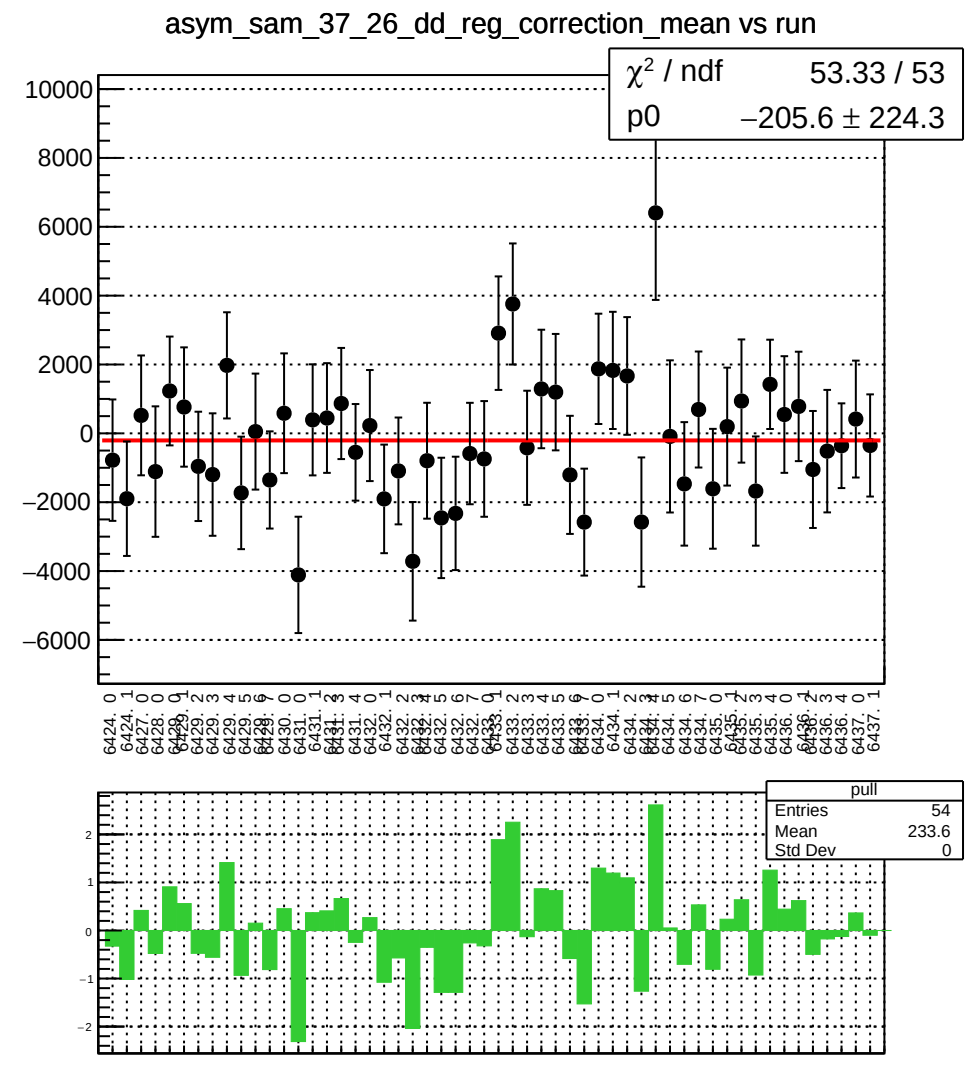
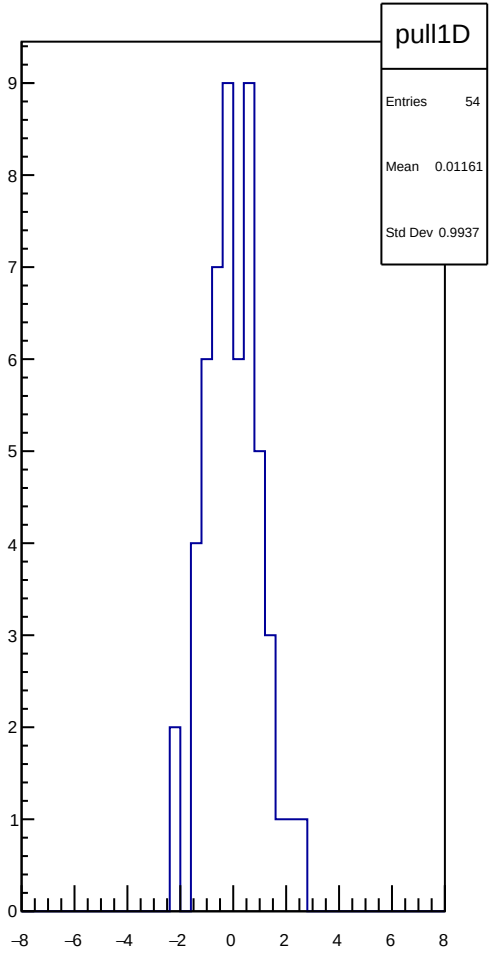
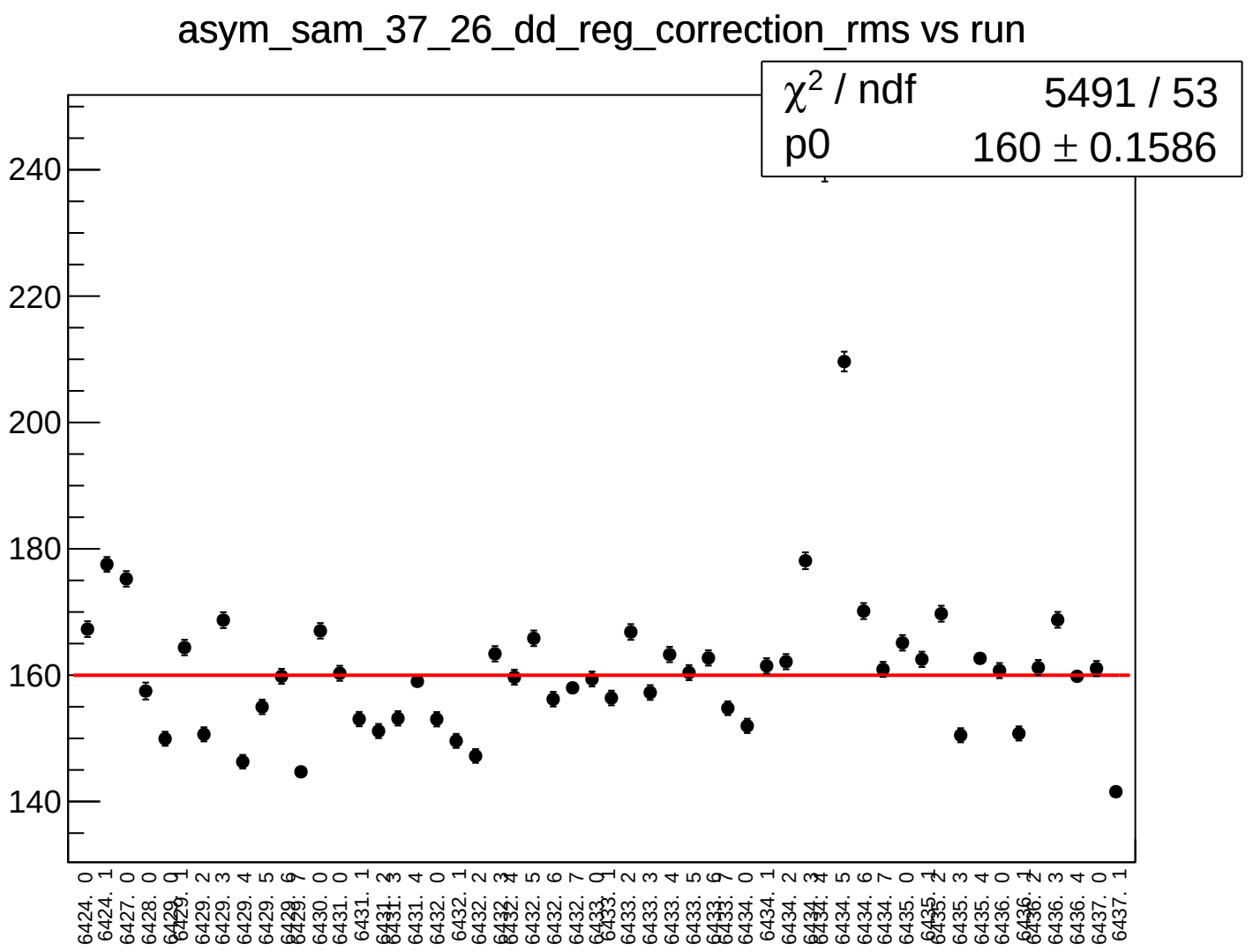
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

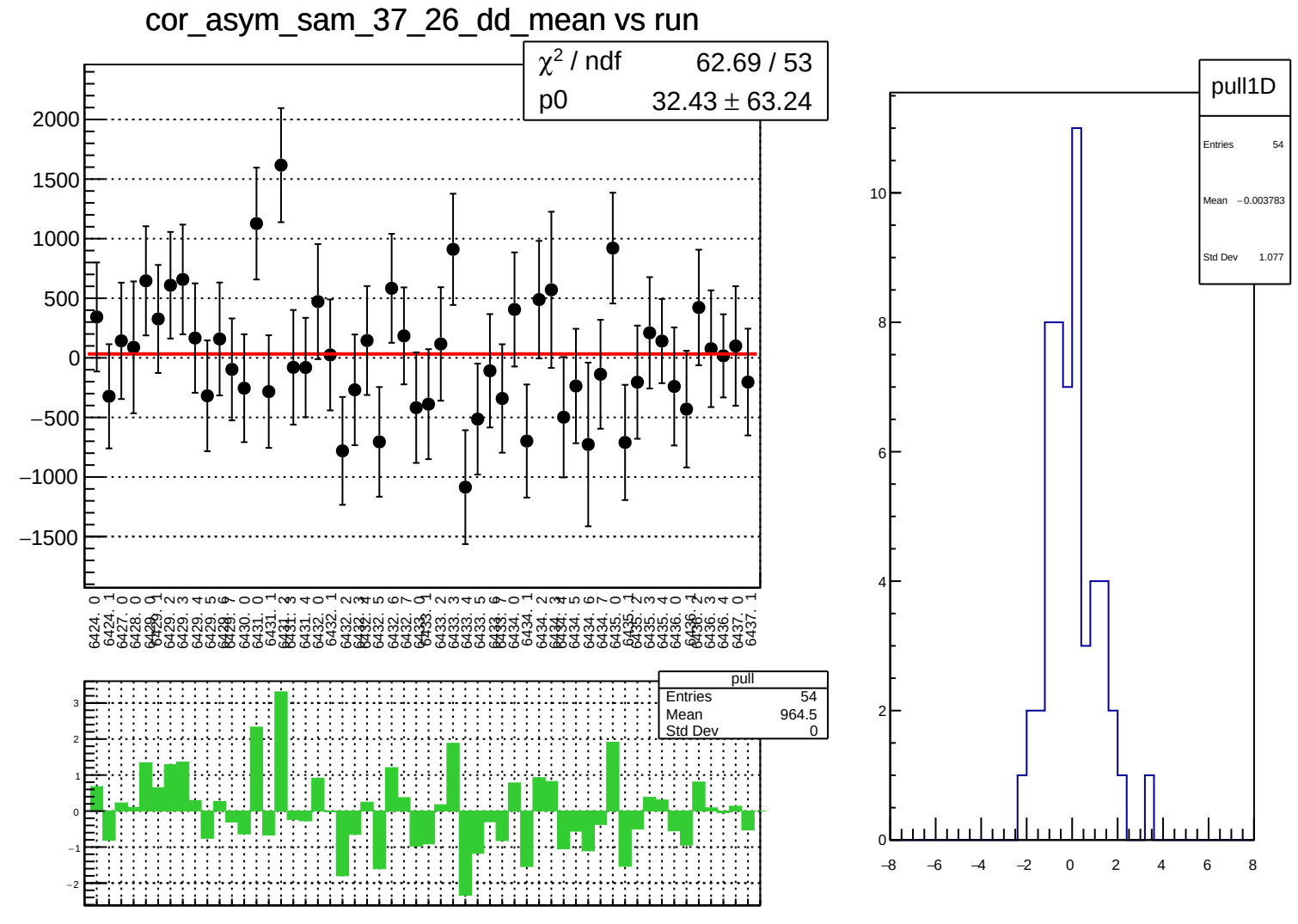

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 62.69 / 53
p0 32.43 ± 63.24
pull
Entries 54
Mean 963.2
Std Dev 0
pull1D
Entries 54
Mean −0.003789
Std Dev 1.077

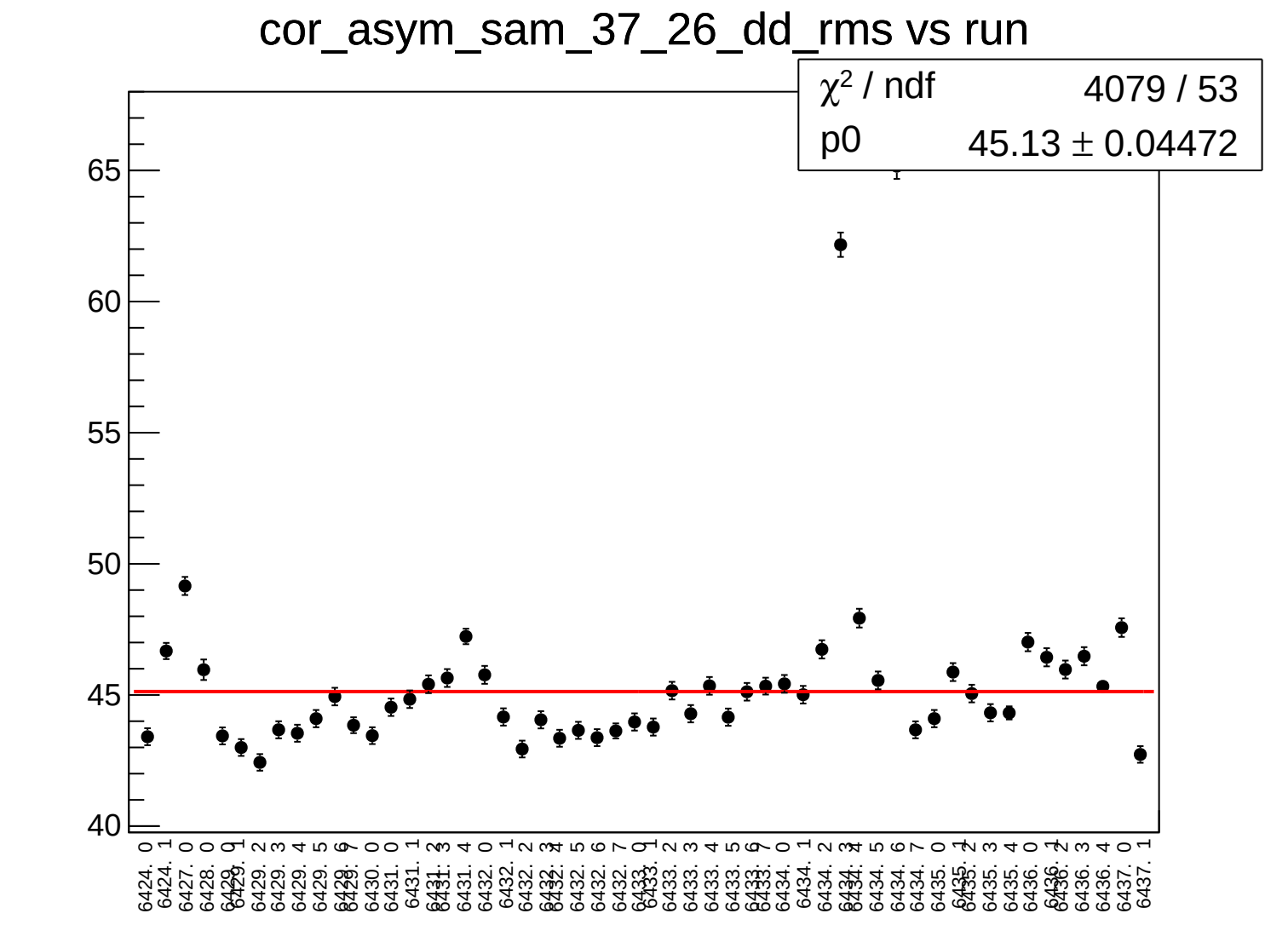

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 4079 / 53
p0 45.13 ± 0.04472
65
60
55
50
45
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

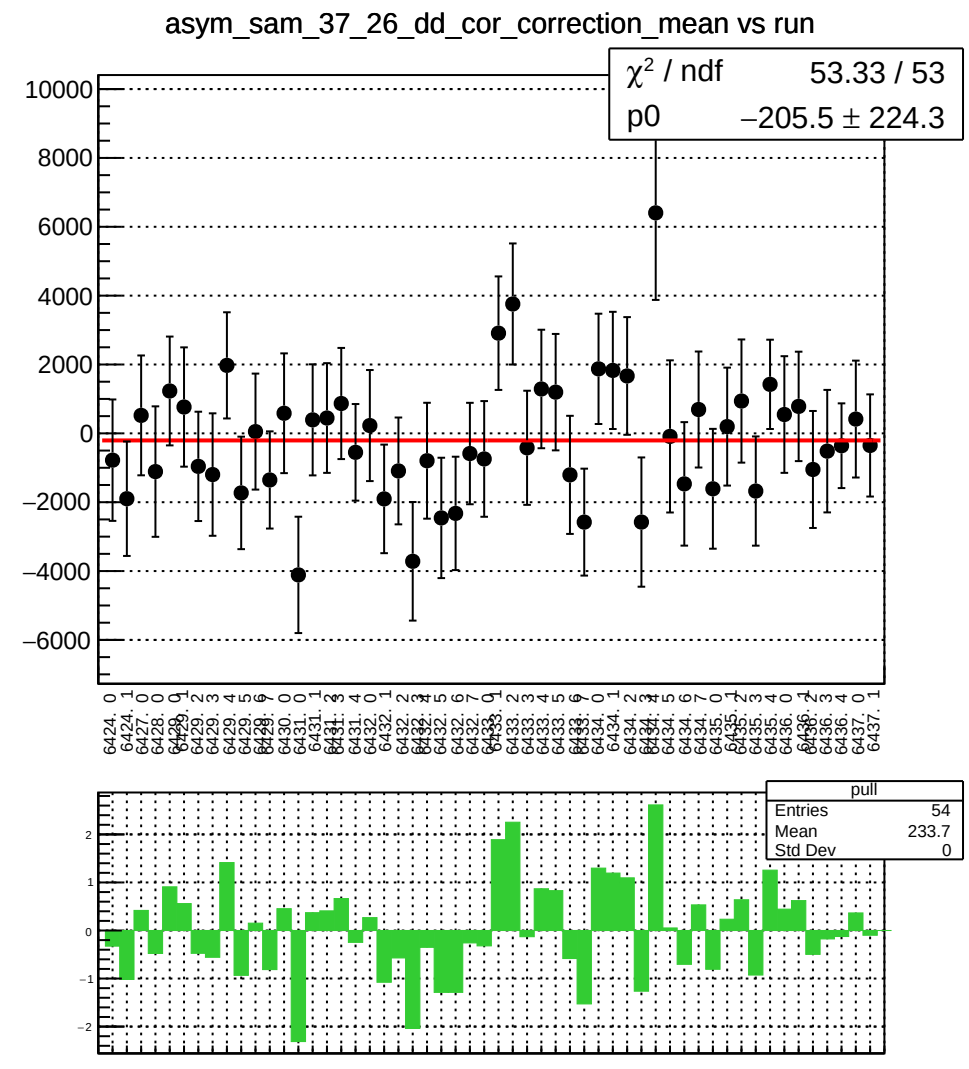

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 53.33 / 53
p0 −205.6 ± 224.3
pull
Entries 54
Mean 233.6
Std Dev 0

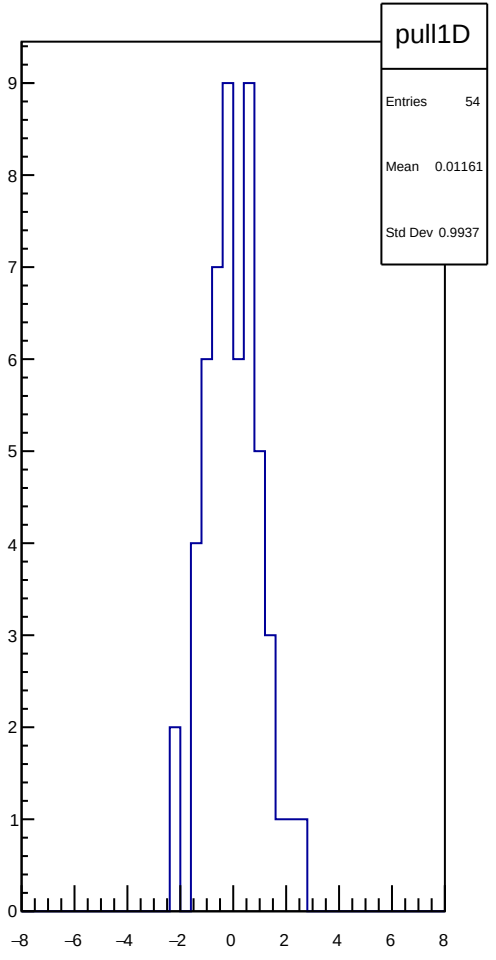

pull1D
Entries 54
Mean 0.01161
Std Dev 0.9937

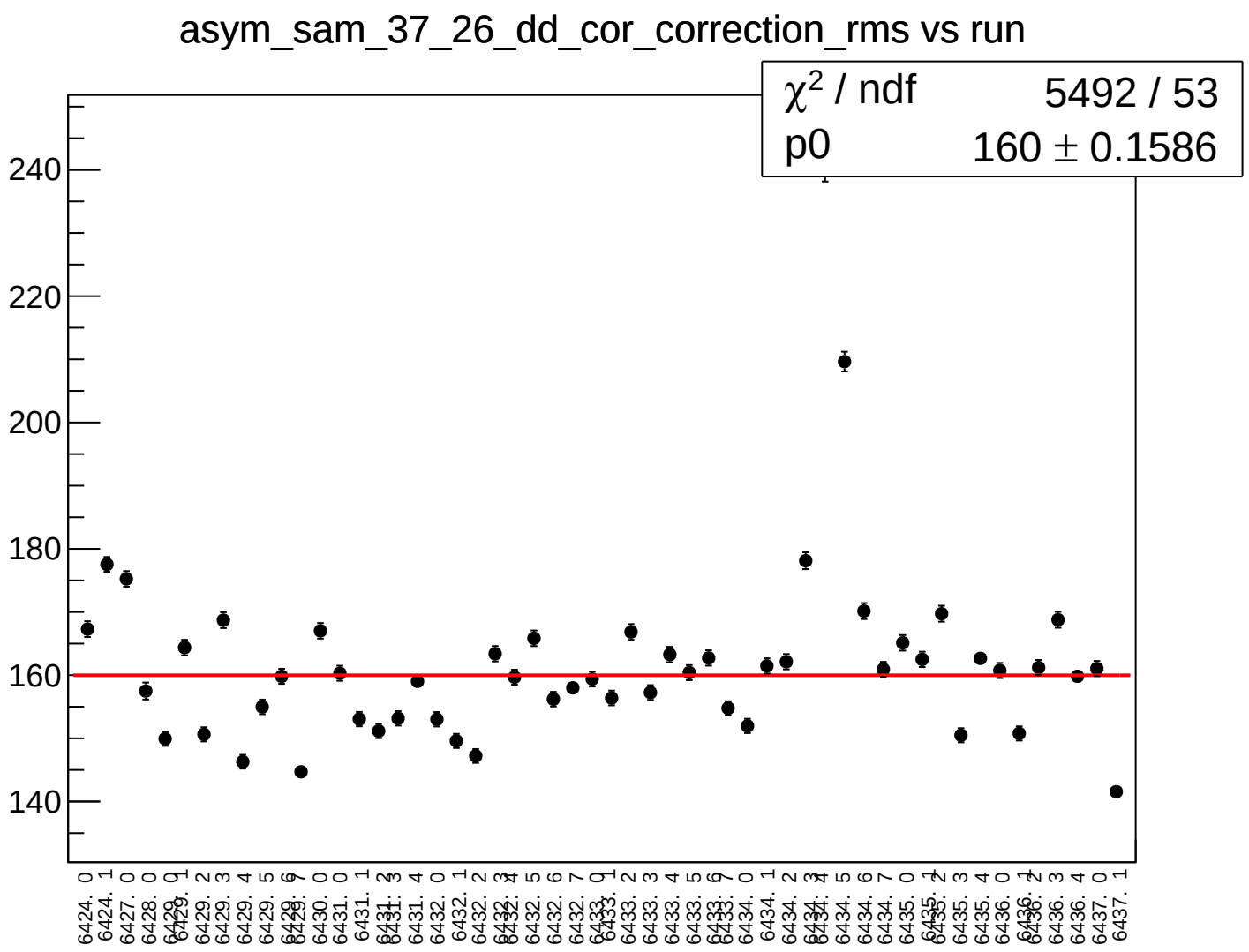

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 5491 / 53
p0 160 ± 0.1586
240
220
200
180
160
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

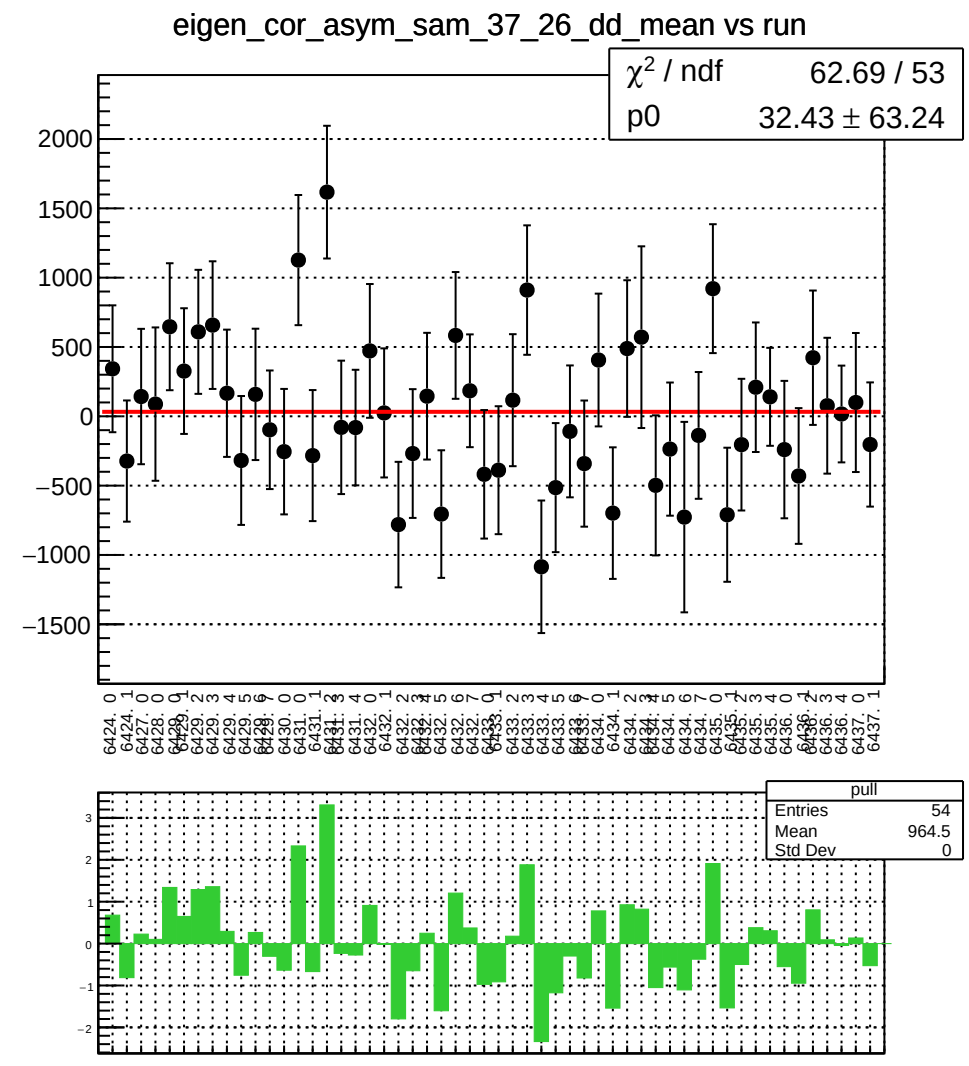

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 62.69 / 53
p0 32.43 ± 63.24
pull
Entries 54
Mean 964.5
Std Dev 0
pull1D
Entries 54
Mean −0.003783
Std Dev 1.077

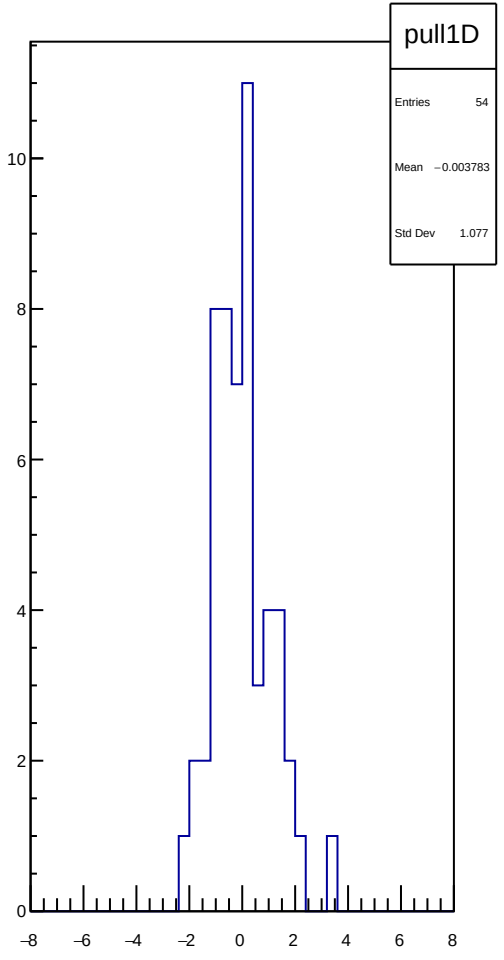

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4079 / 53
p0 45.13 ± 0.04472
65
60
55
50
45
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

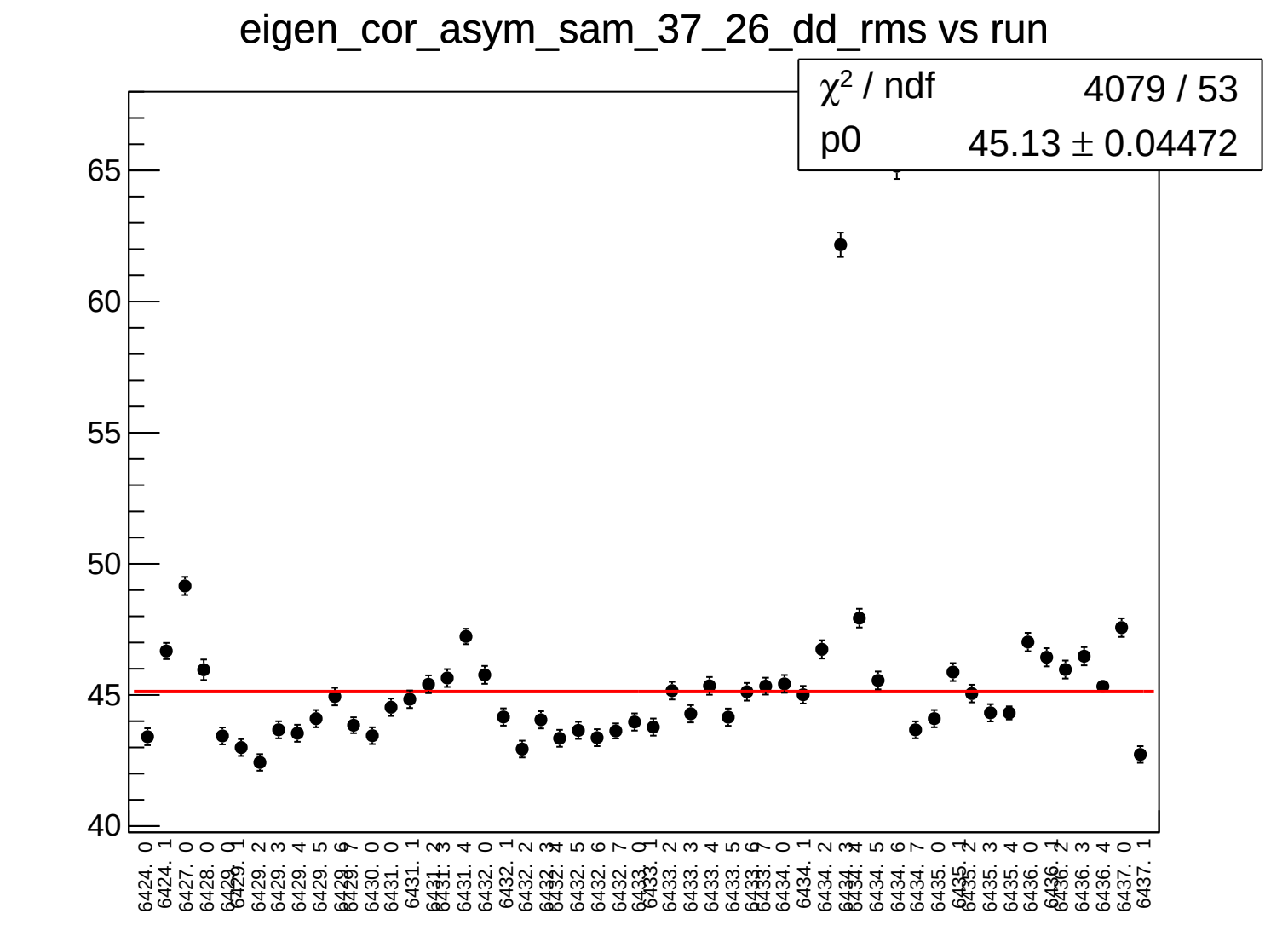

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 53.33 / 53
p0 −205.5 ± 224.3
pull
Entries 54
Mean 233.7
Std Dev 0

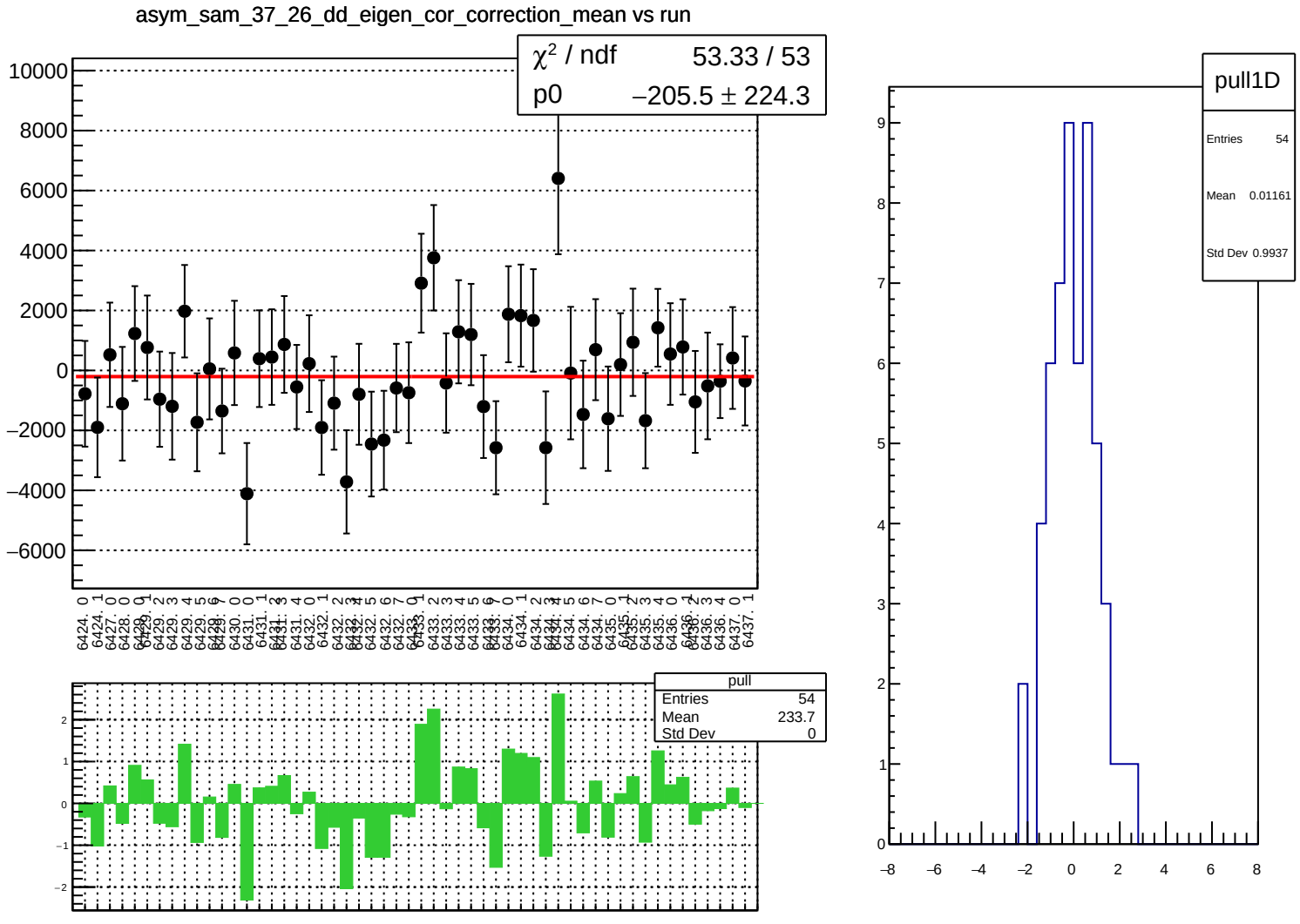

pull1D
Entries 54
Mean 0.01161
Std Dev 0.9937

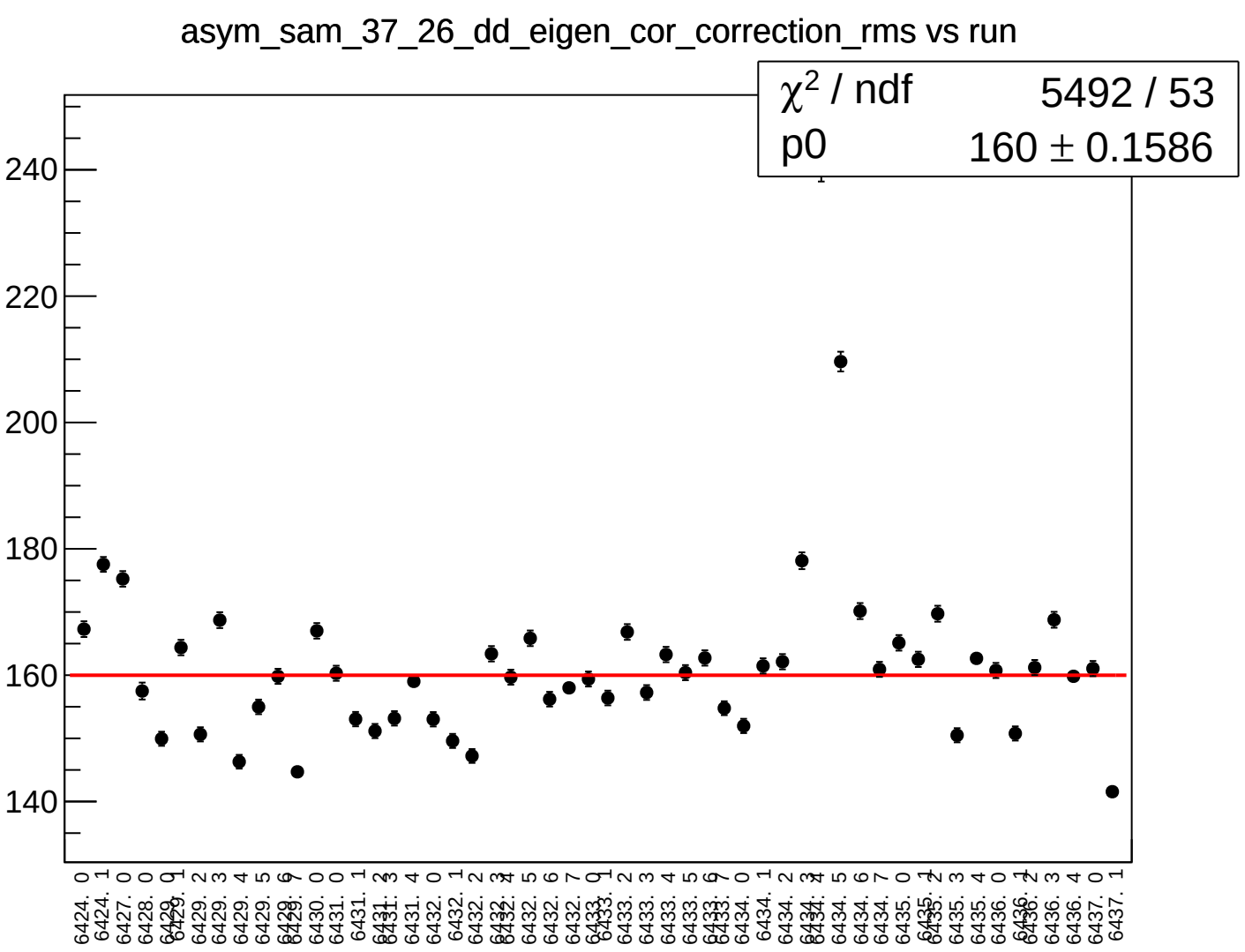

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 5492 / 53
p0 160 ± 0.1586
240
220
200
180
160
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

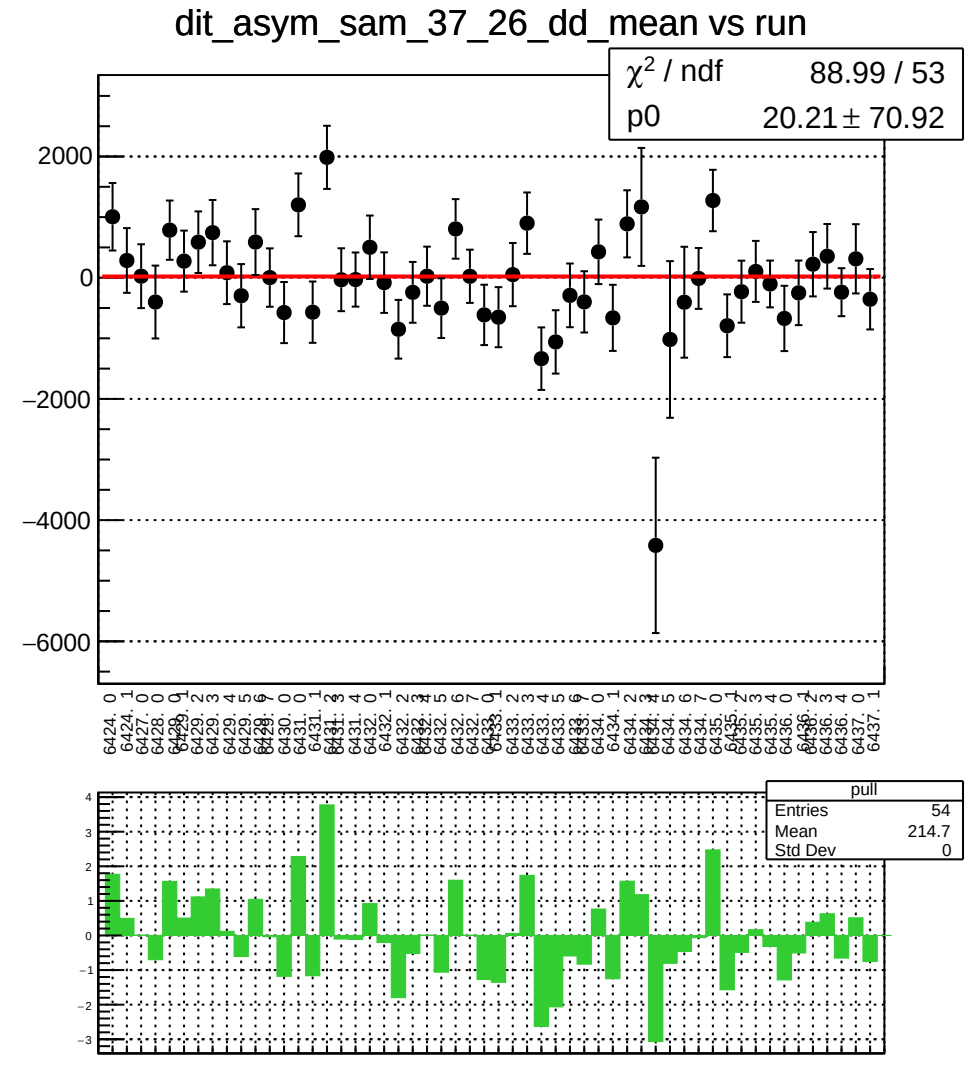

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 62.69 / 53
p0 32.43 ± 63.24
pull
Entries 54
Mean 964.5
Std Dev 0

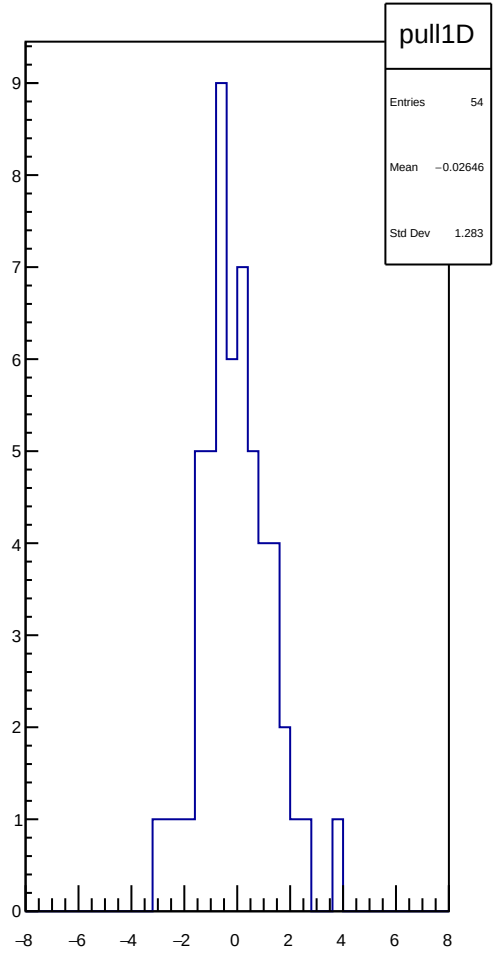

pull1D
Entries 54
Mean −0.003783
Std Dev 1.077

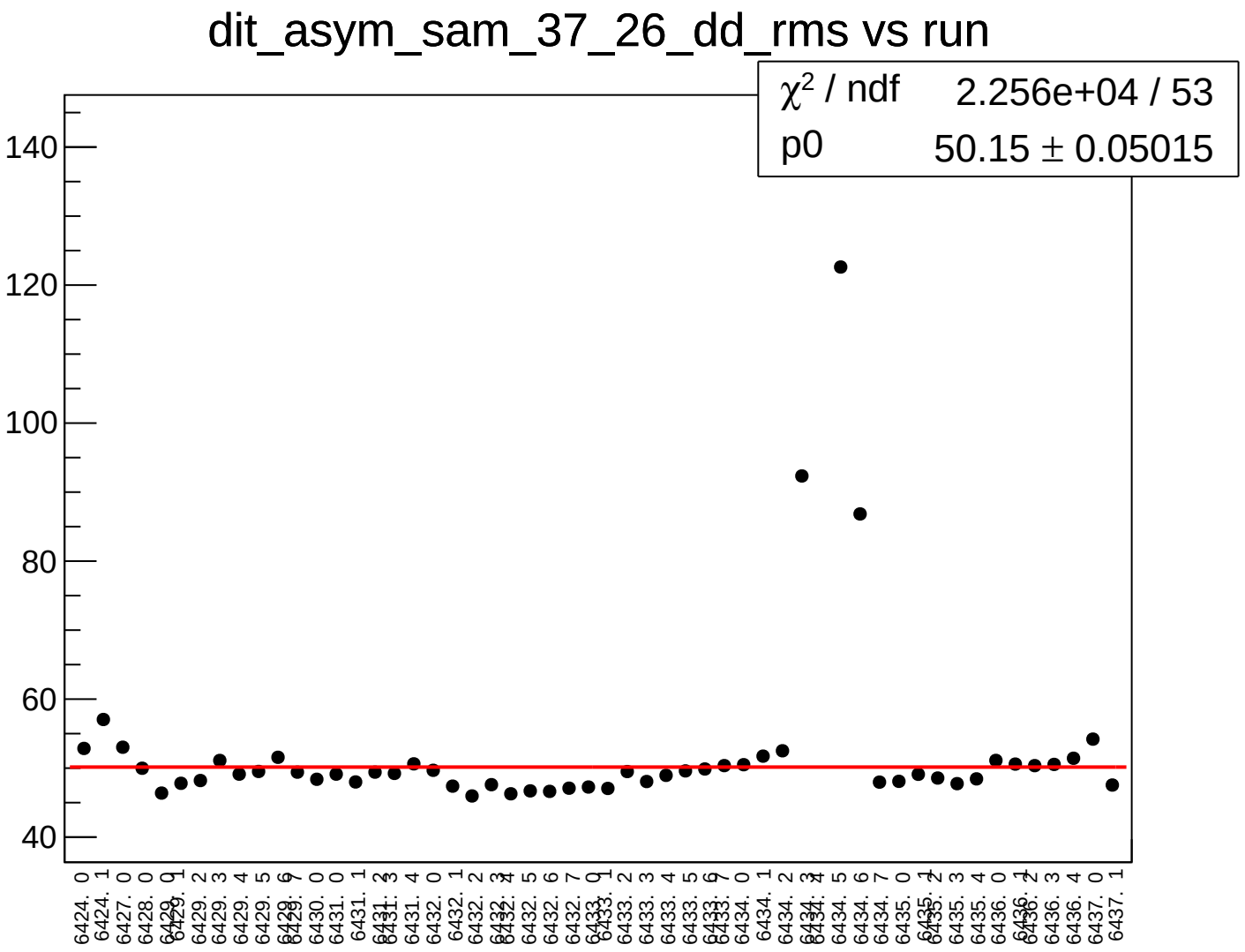

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4079 / 53
p0 45.13 ± 0.04472
65
60
55
50
45
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

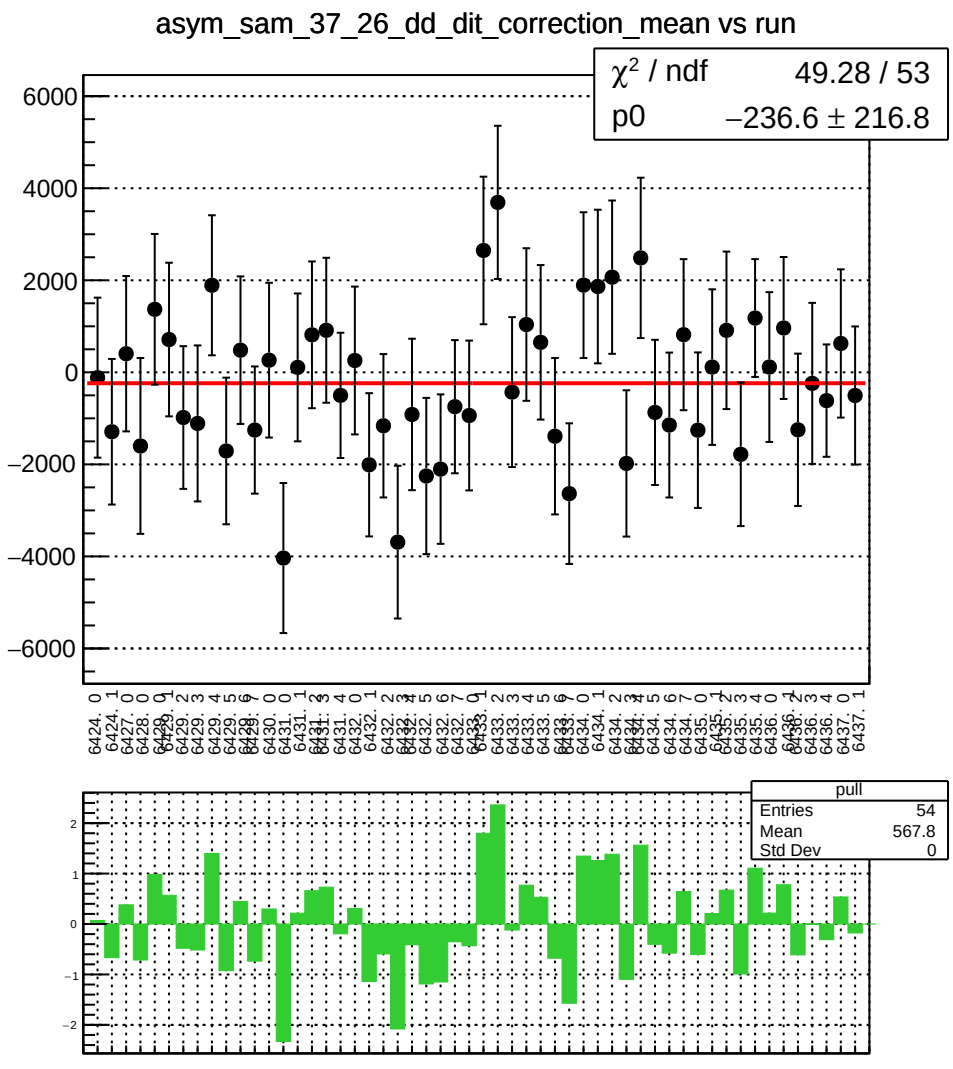

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 53.33 / 53
p0 −205.5 ± 224.3
pull
Entries 54
Mean 233.7
Std Dev 0
pull1D
Entries 54
Mean 0.01161
Std Dev 0.9937

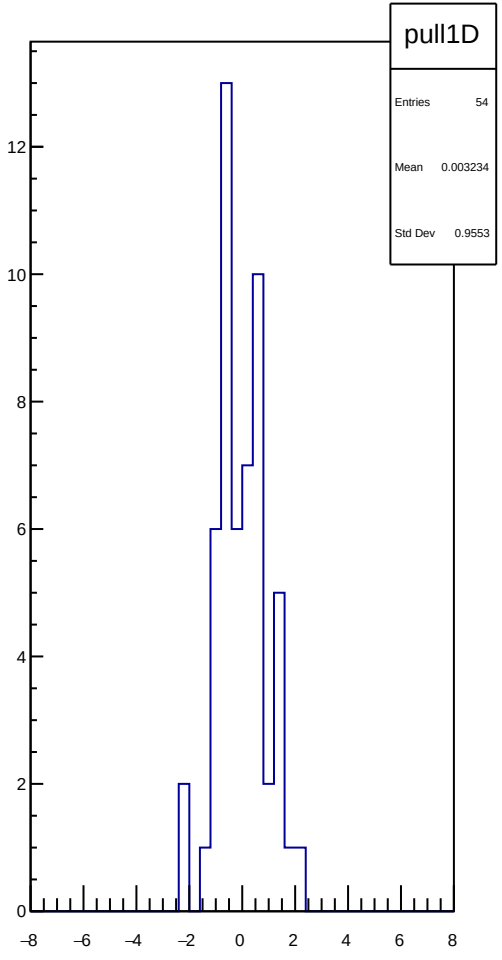

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5492 / 53
p0 160 ± 0.1586
240
220
200
180
160
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

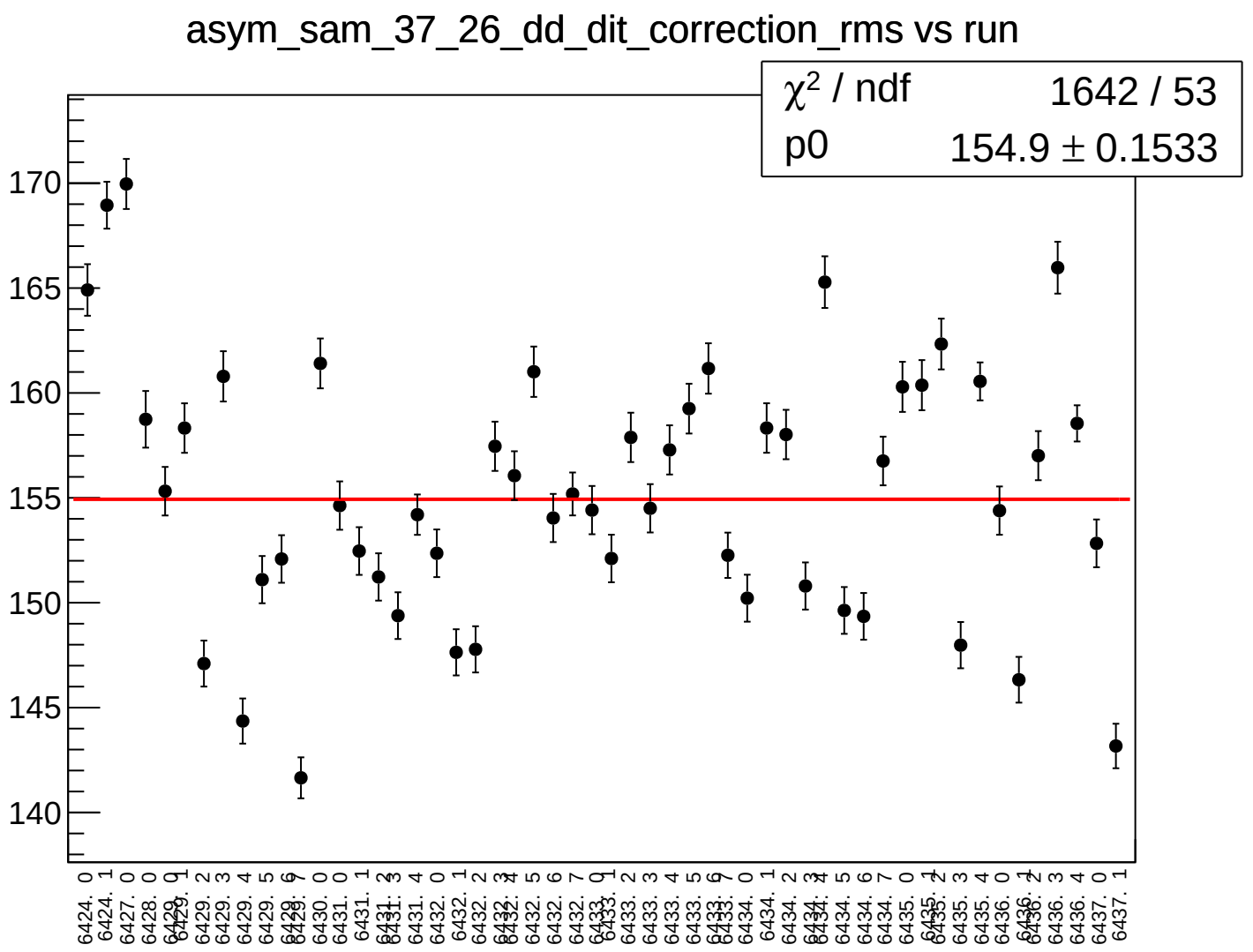

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.99 / 53
p0 20.21 ± 70.92
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 214.7
Std Dev 0

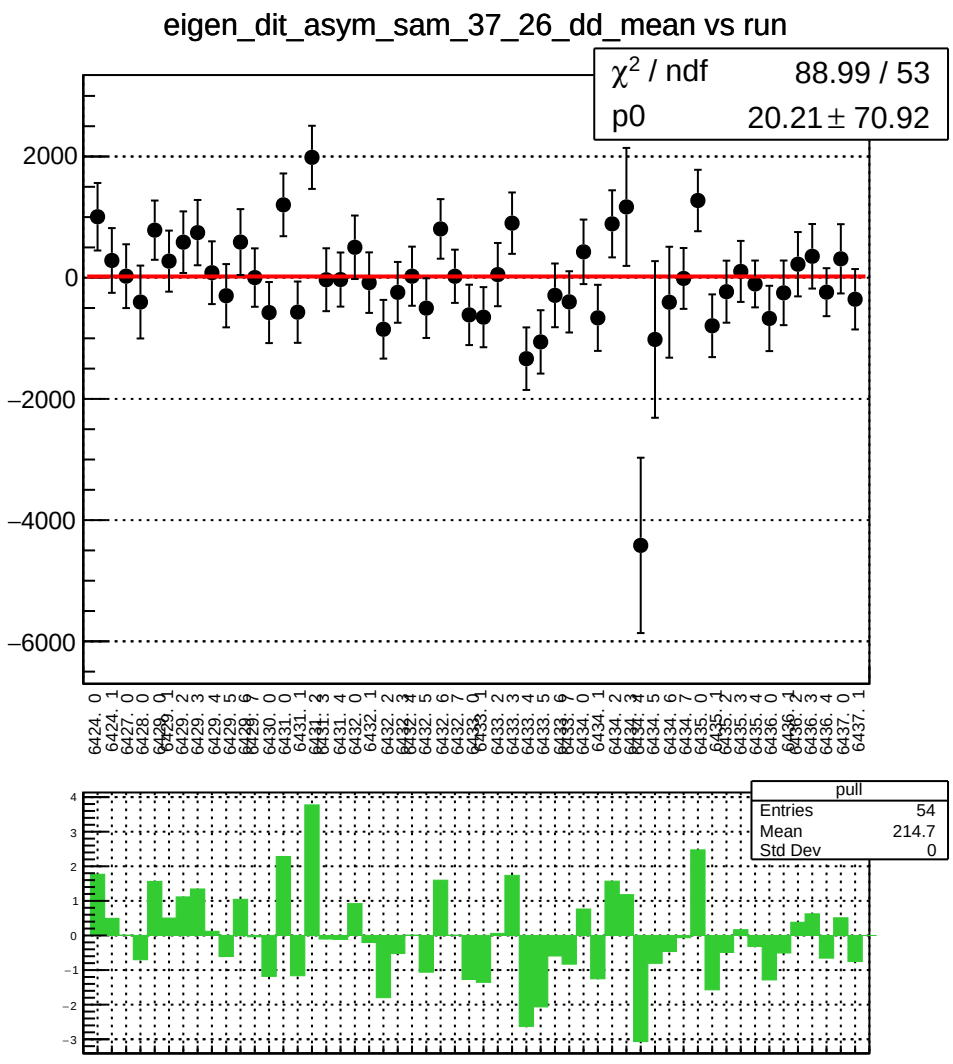

pull1D
Entries 54
Mean −0.02646
Std Dev 1.283

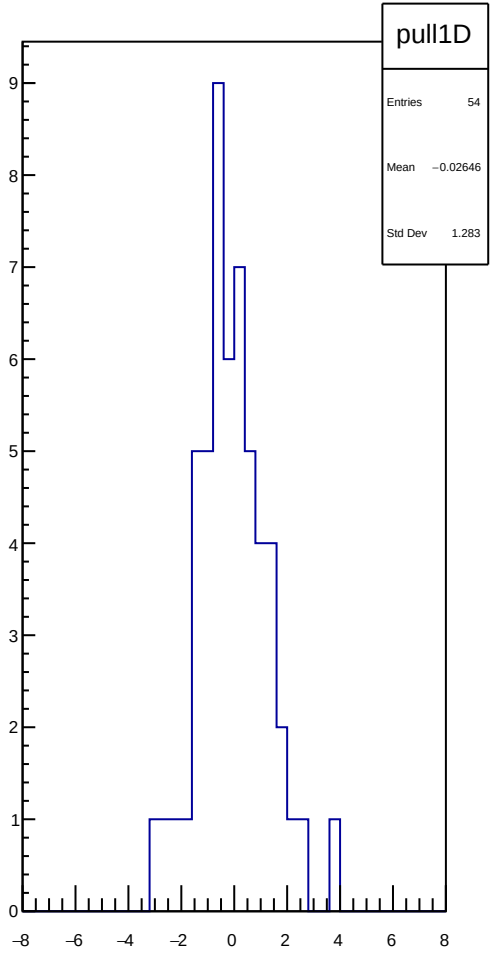

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.256e+04 / 53
p0 50.15 ± 0.05015
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

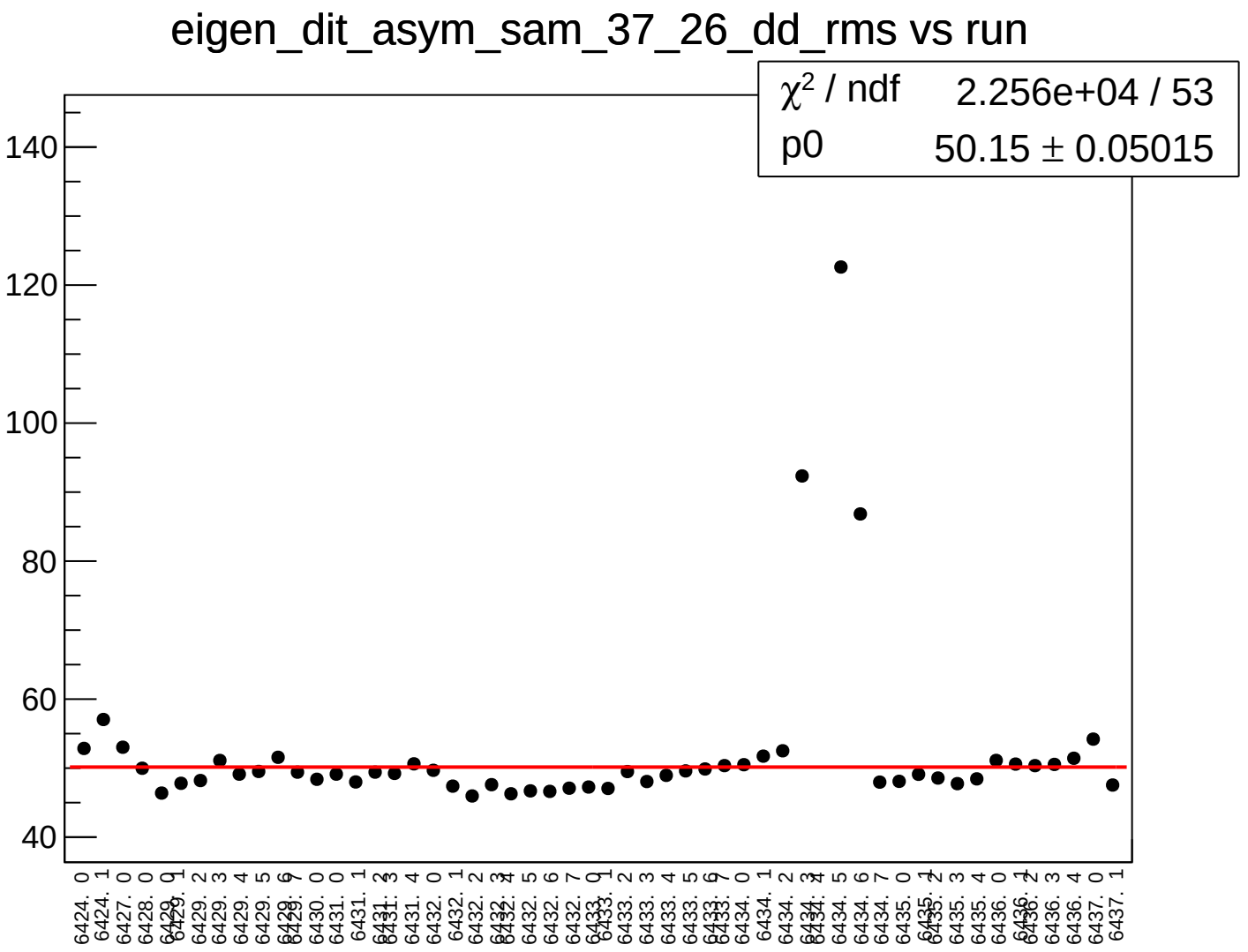

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 49.28 / 53
p0 −236.6 ± 216.8
pull
Entries 54
Mean 567.8
Std Dev 0

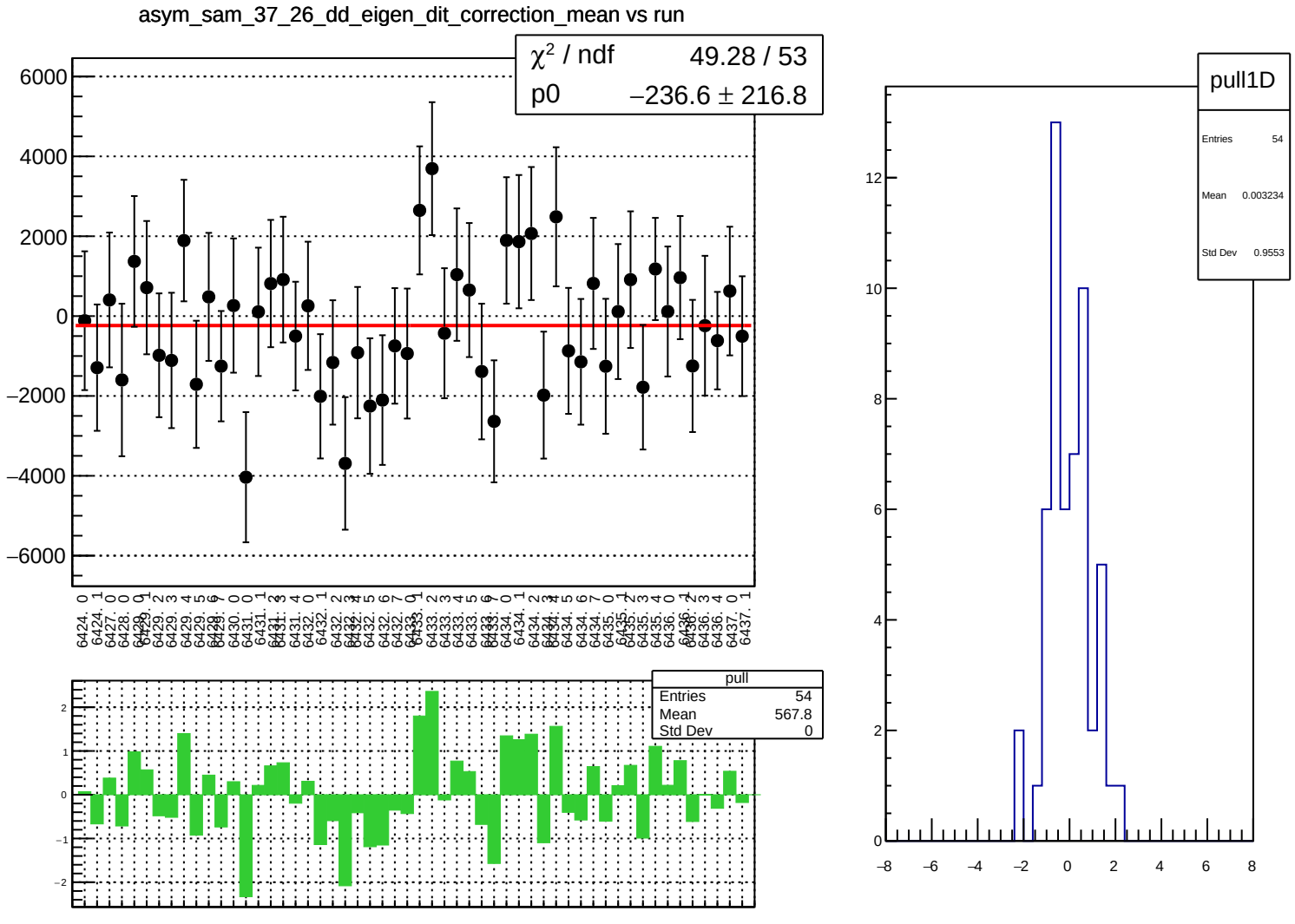

pull1D
Entries 54
Mean 0.003234
Std Dev 0.9553

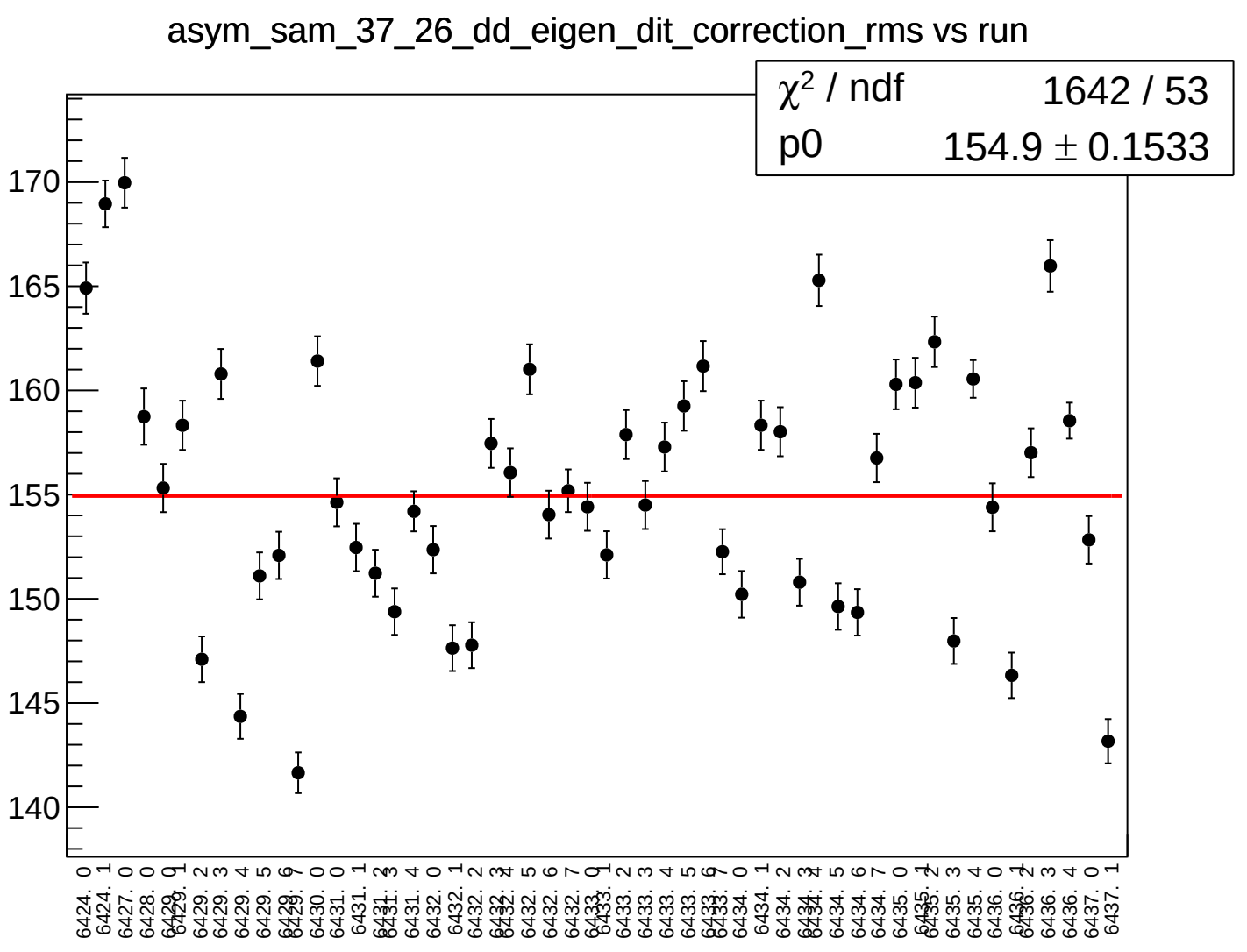

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1642 / 53
p0 154.9 ± 0.1533
170
165
160
155
150
145
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

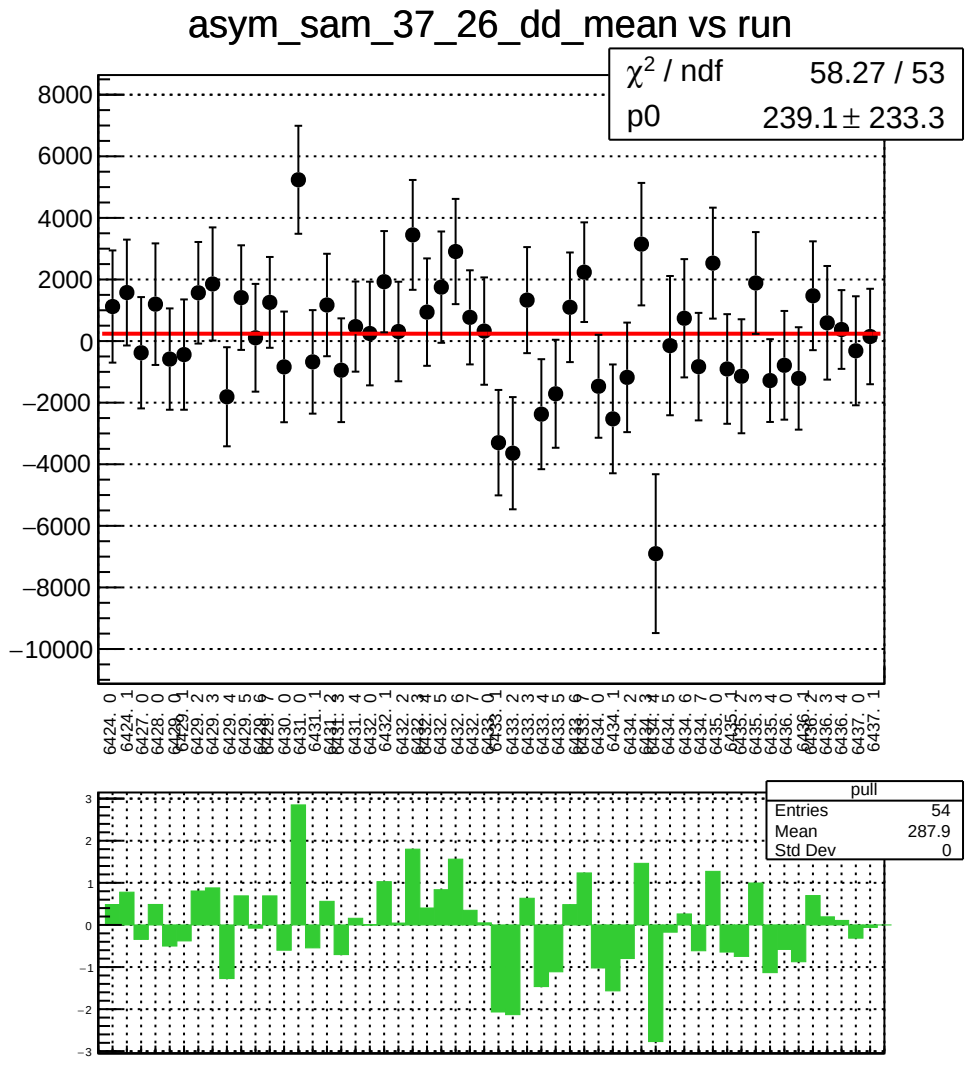

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.99 / 53
p0 20.21 ± 70.92
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 214.7
Std Dev 0
4
3
2
1
0
−1
−2
−3

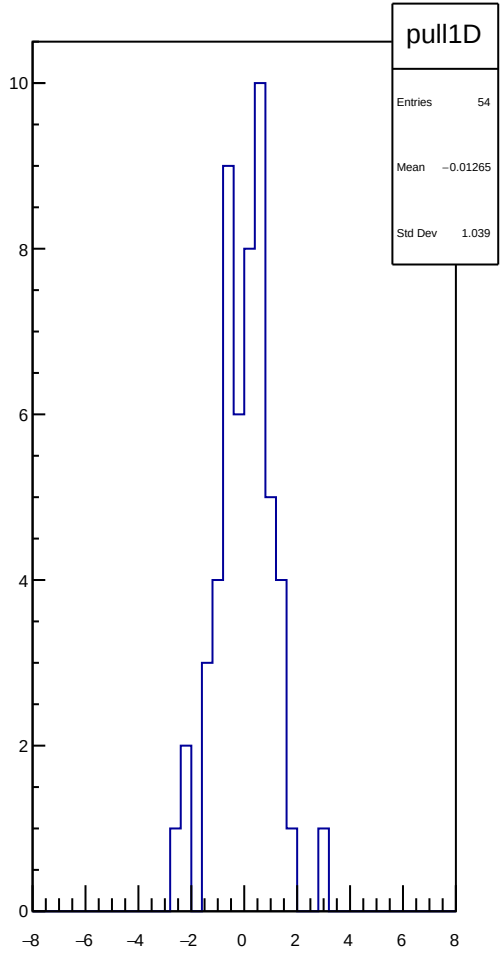

pull1D
Entries 54
Mean −0.02646
Std Dev 1.283
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

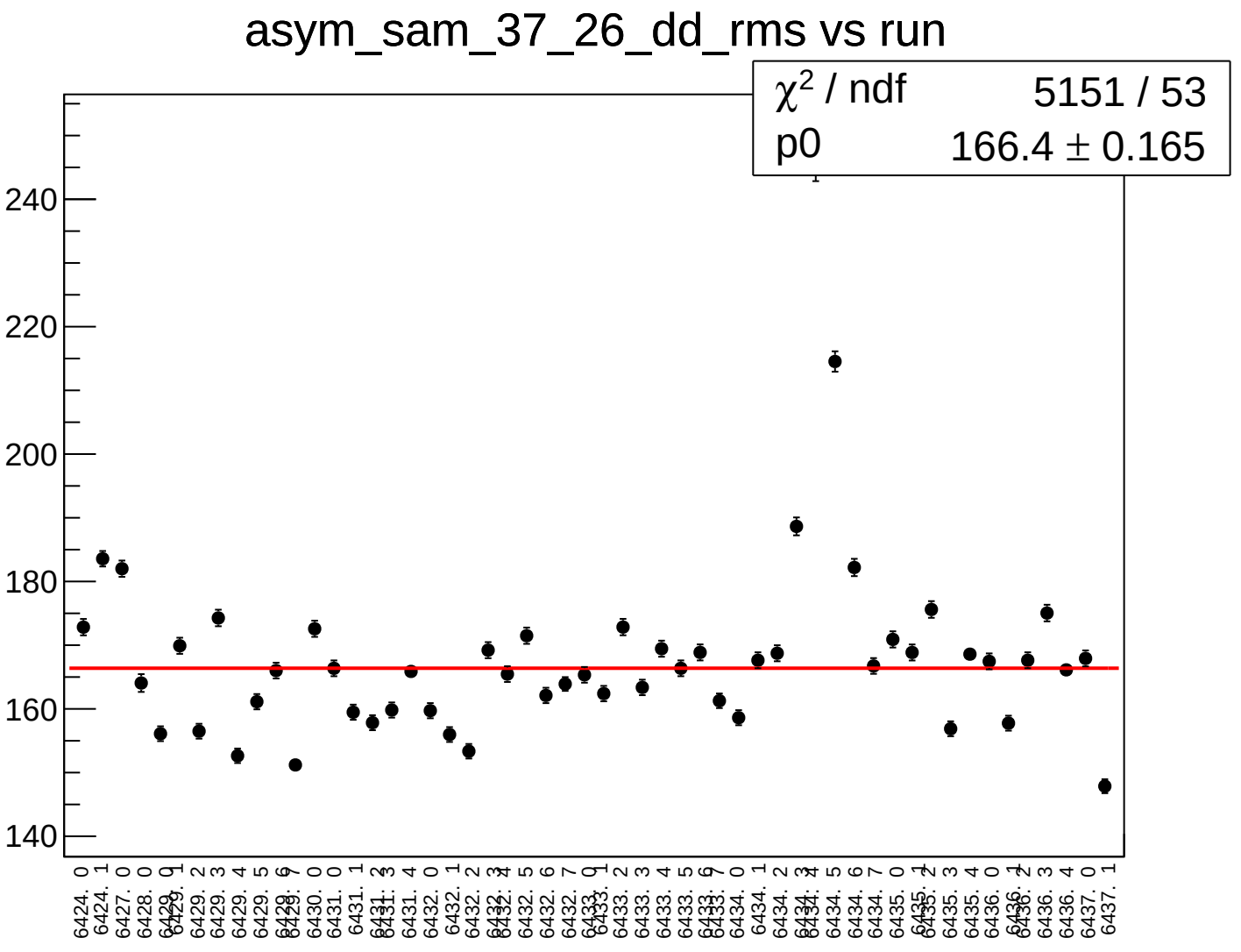

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.256e+04 / 53
p0 50.15 ± 0.05015
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

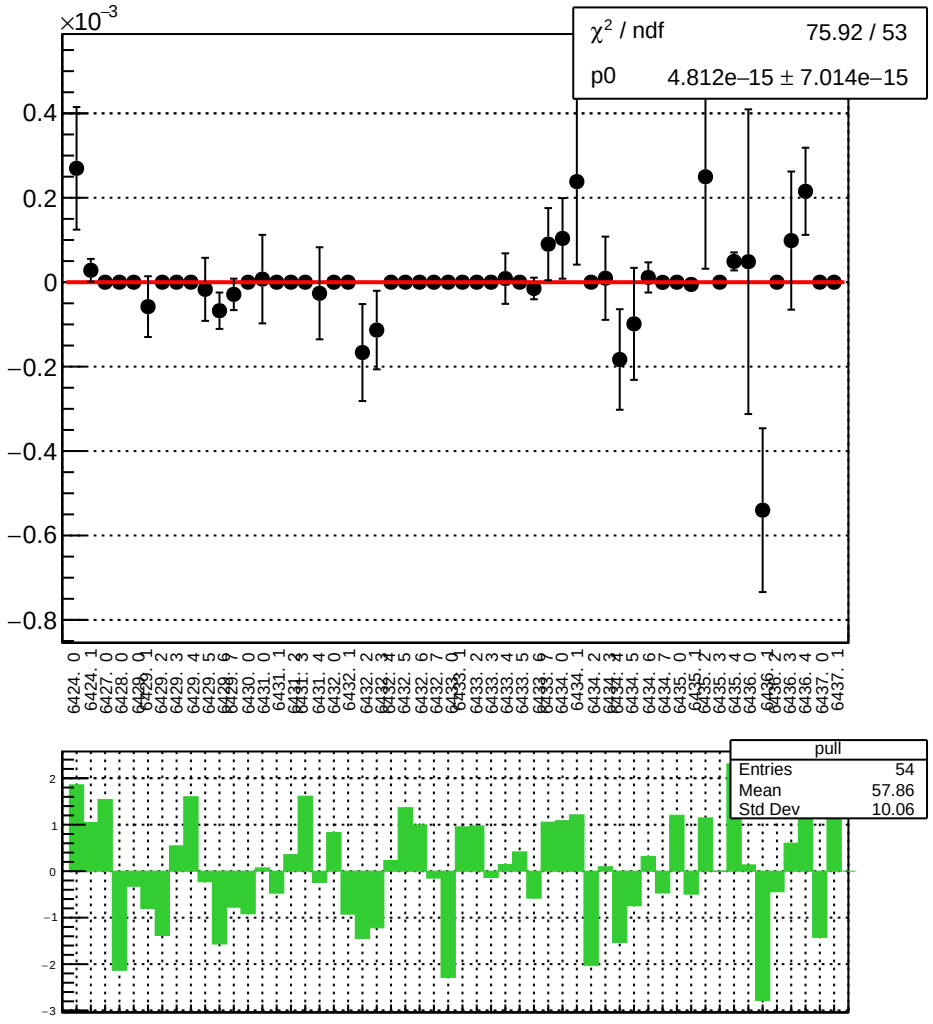

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.28 / 53
p0 −236.6 ± 216.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 567.8
Std Dev 0
pull1D
Entries 54
Mean 0.003234
Std Dev 0.9553
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

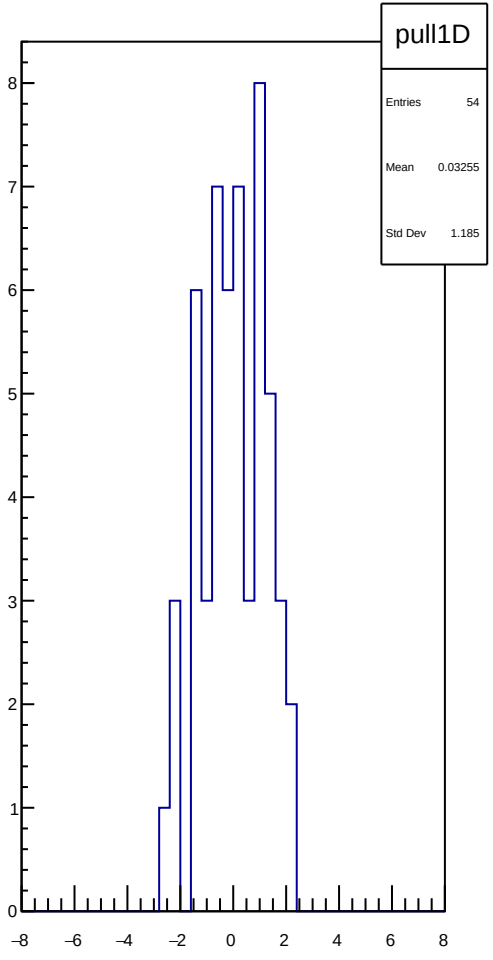

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1642 / 53
p0 154.9 ± 0.1533
170
165
160
155
150
145
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

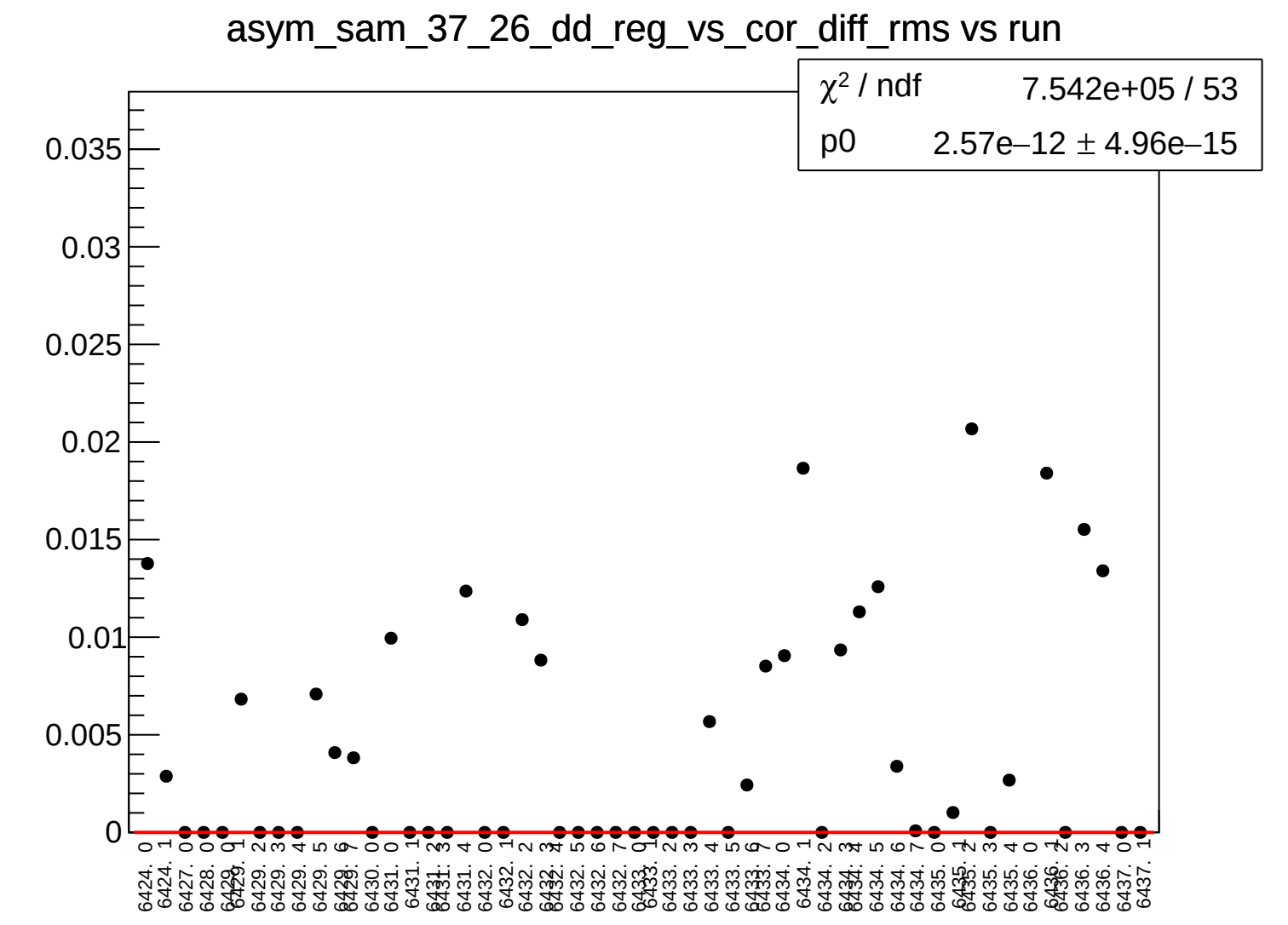

asym_sam_37_26_dd_mean vs run
χ² / ndf 58.27 / 53
p0 239.1 ± 233.3
pull
Entries 54
Mean 287.9
Std Dev 0


pull1D
Entries 54
Mean −0.01265
Std Dev 1.039


asym_sam_37_26_dd_rms vs run
χ² / ndf 5151 / 53
p0 166.4 ± 0.165
240
220
200
180
160
140
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 75.92 / 53
p0 4.812e−15 ± 7.014e−15
pull
Entries 54
Mean 57.86
Std Dev 10.06


pull1D
Entries 54
Mean 0.03255
Std Dev 1.185


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.542e+05 / 53
p0 2.57e−12 ± 4.96e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
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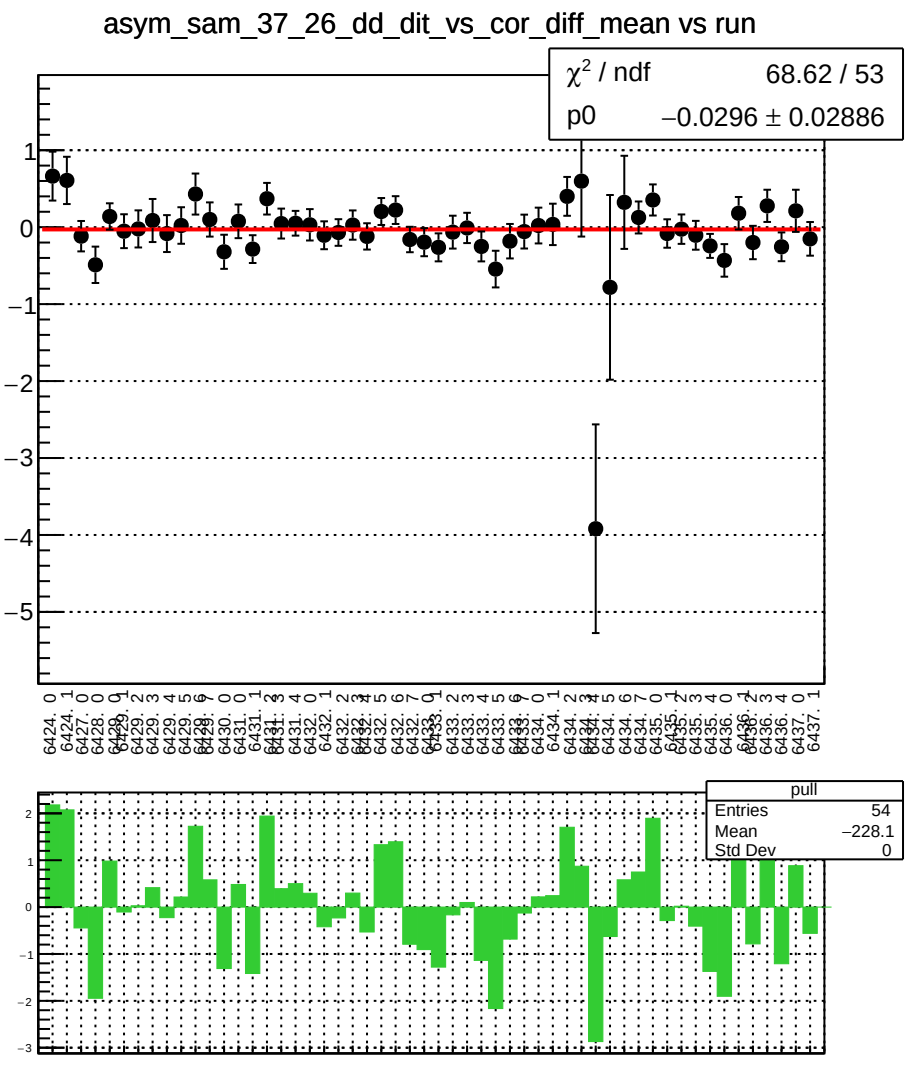
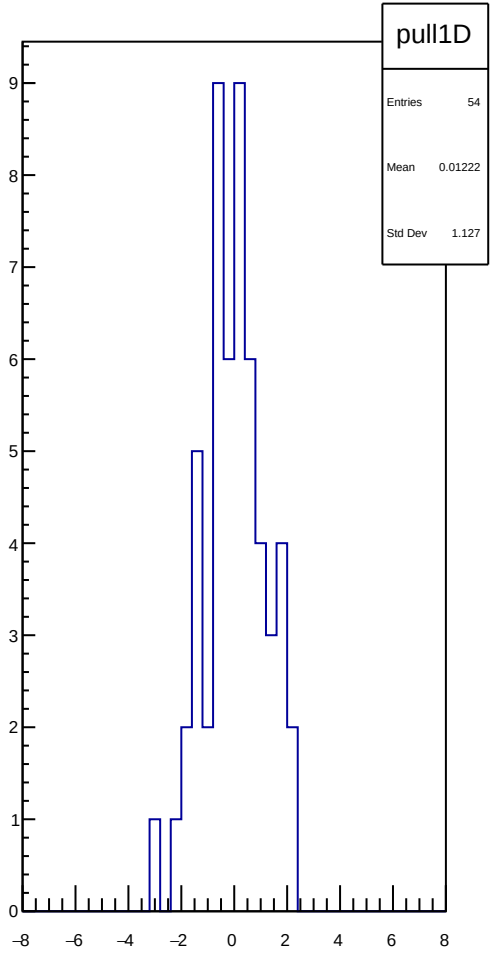
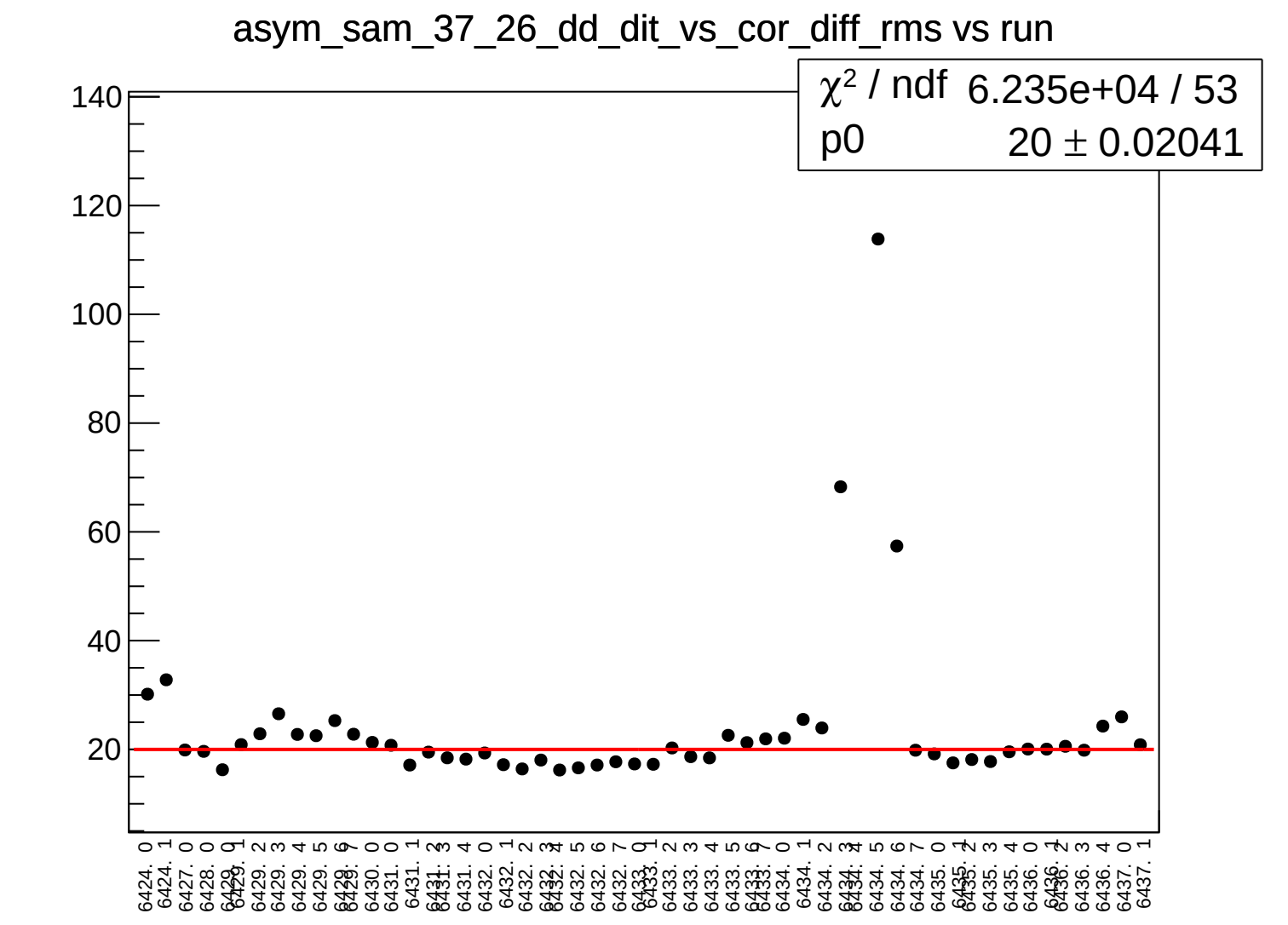
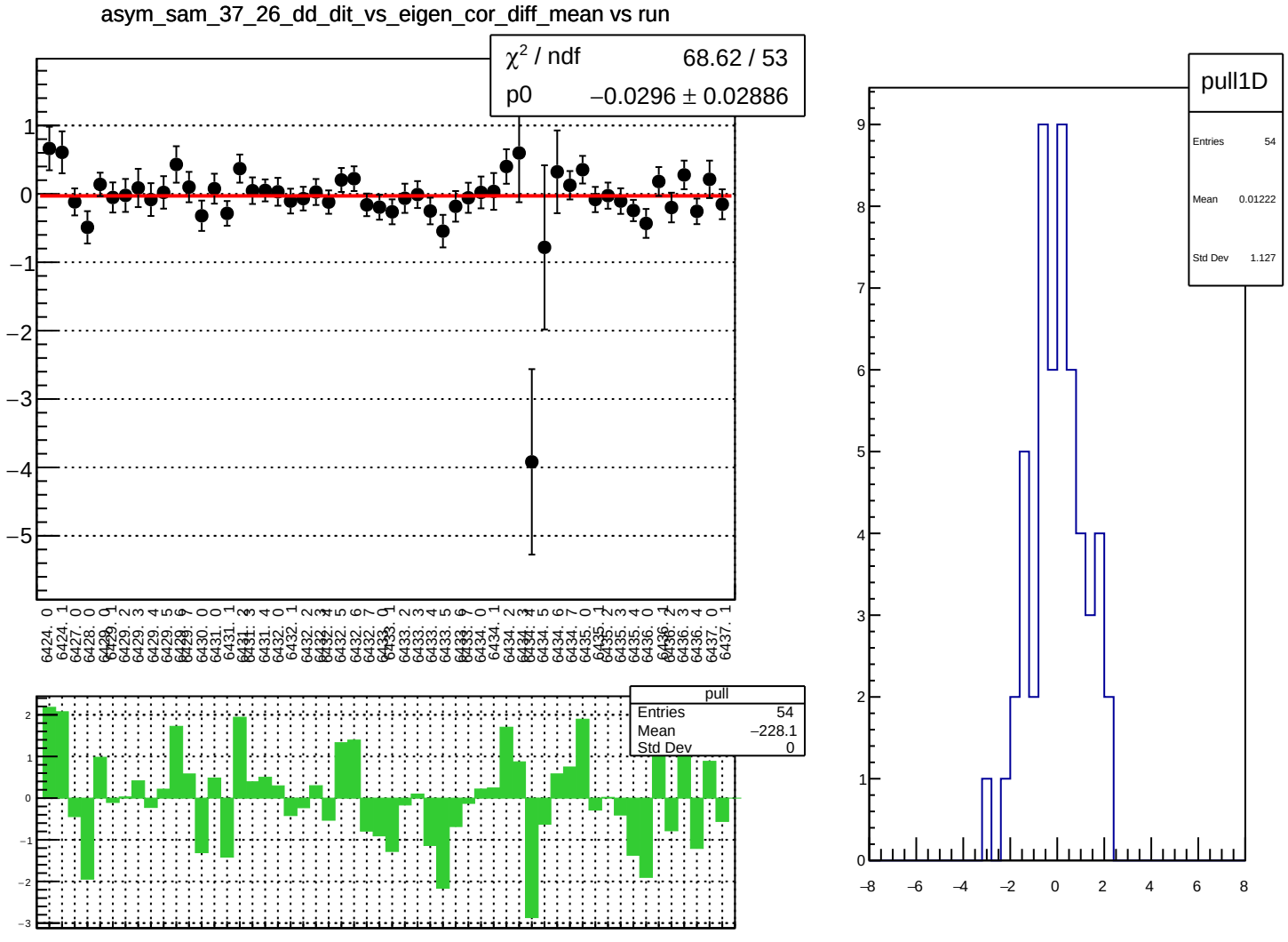
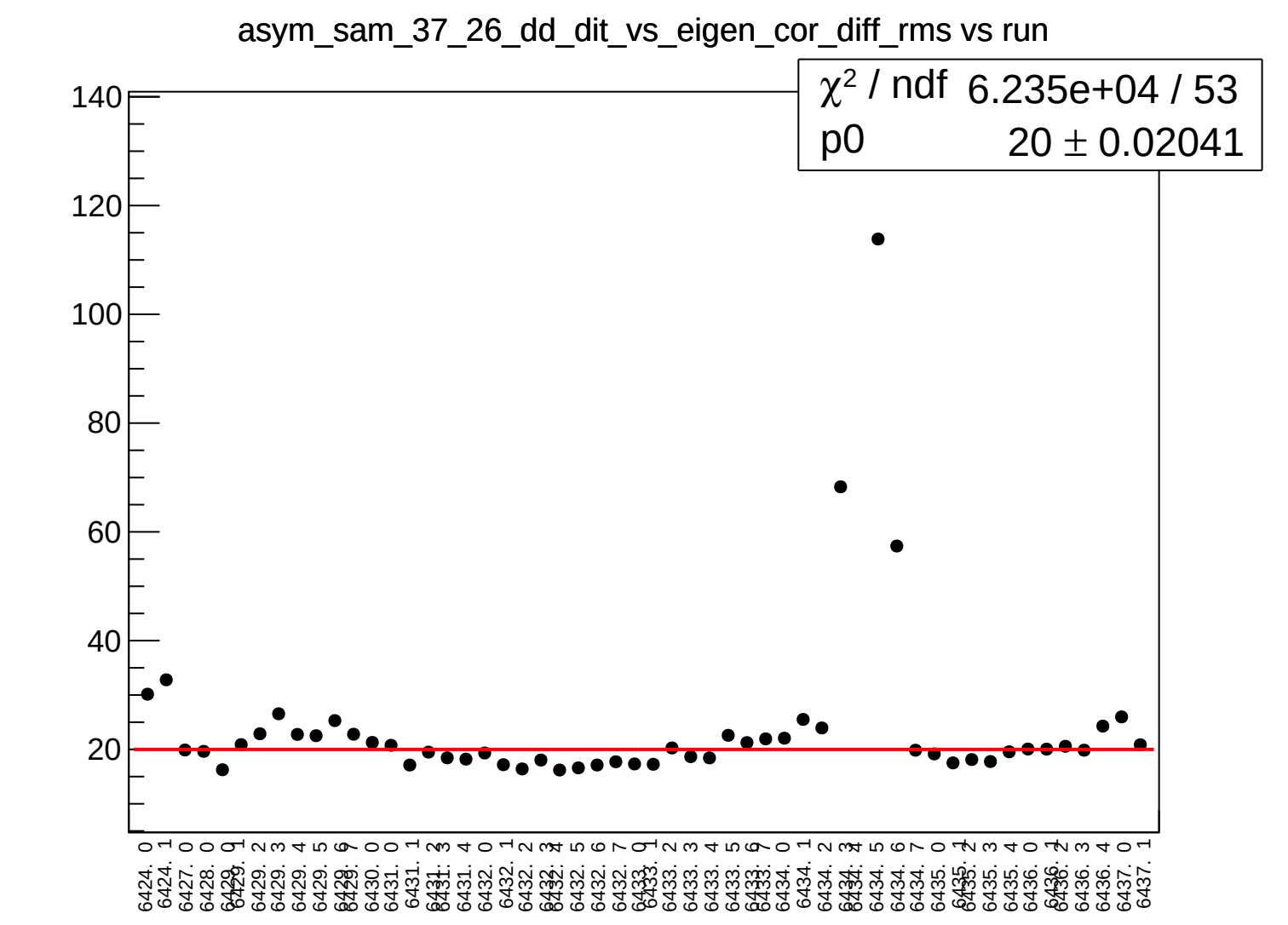
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

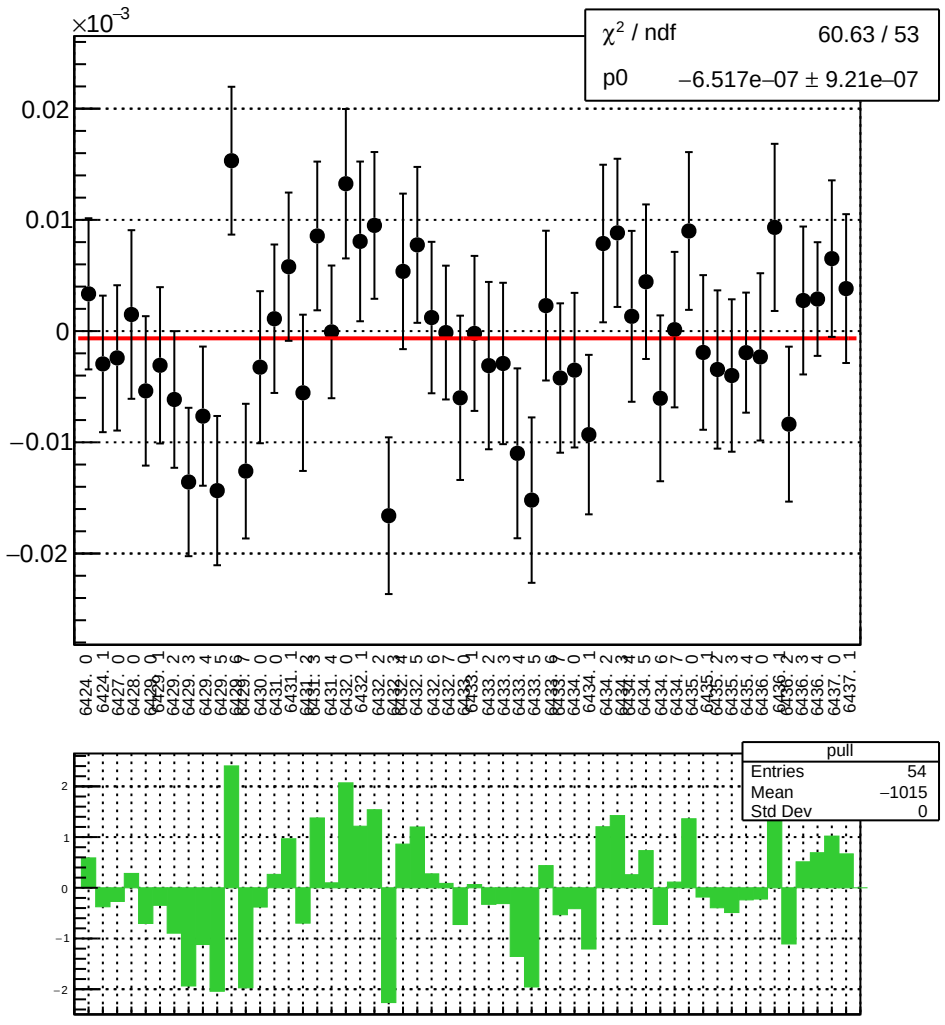

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.62 / 53
p0 −0.0296 ± 0.02886
pull
Entries 54
Mean −228.1
Std Dev 0

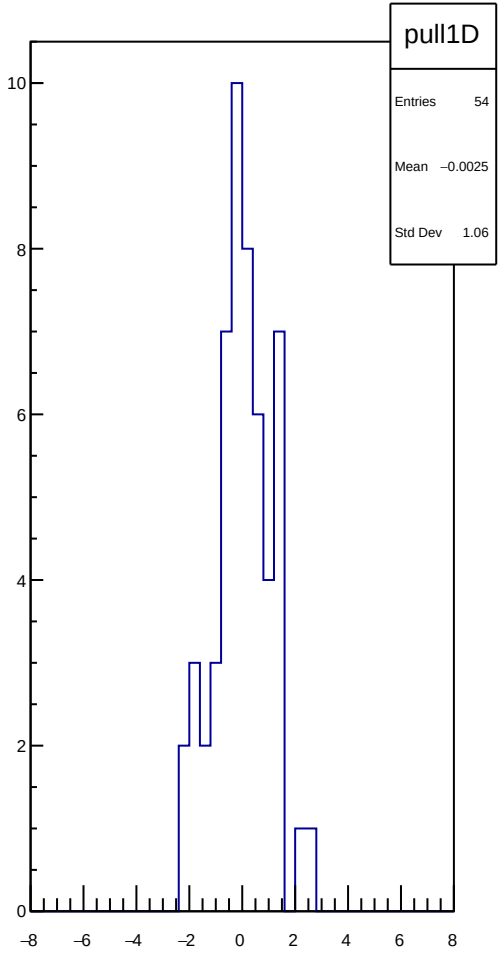

pull1D
Entries 54
Mean 0.01222
Std Dev 1.127

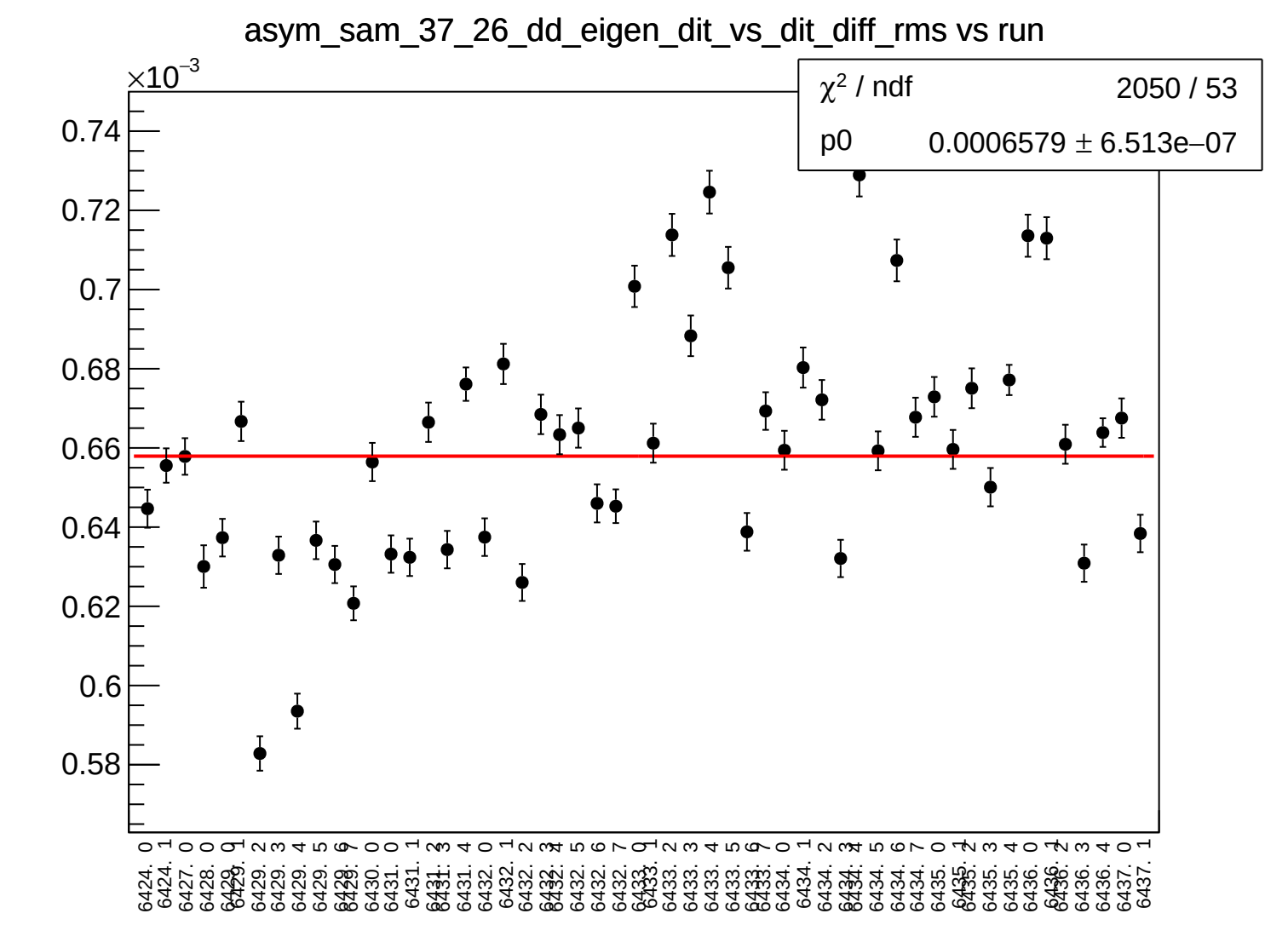

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.235e+04 / 53
p0 20 ± 0.02041
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

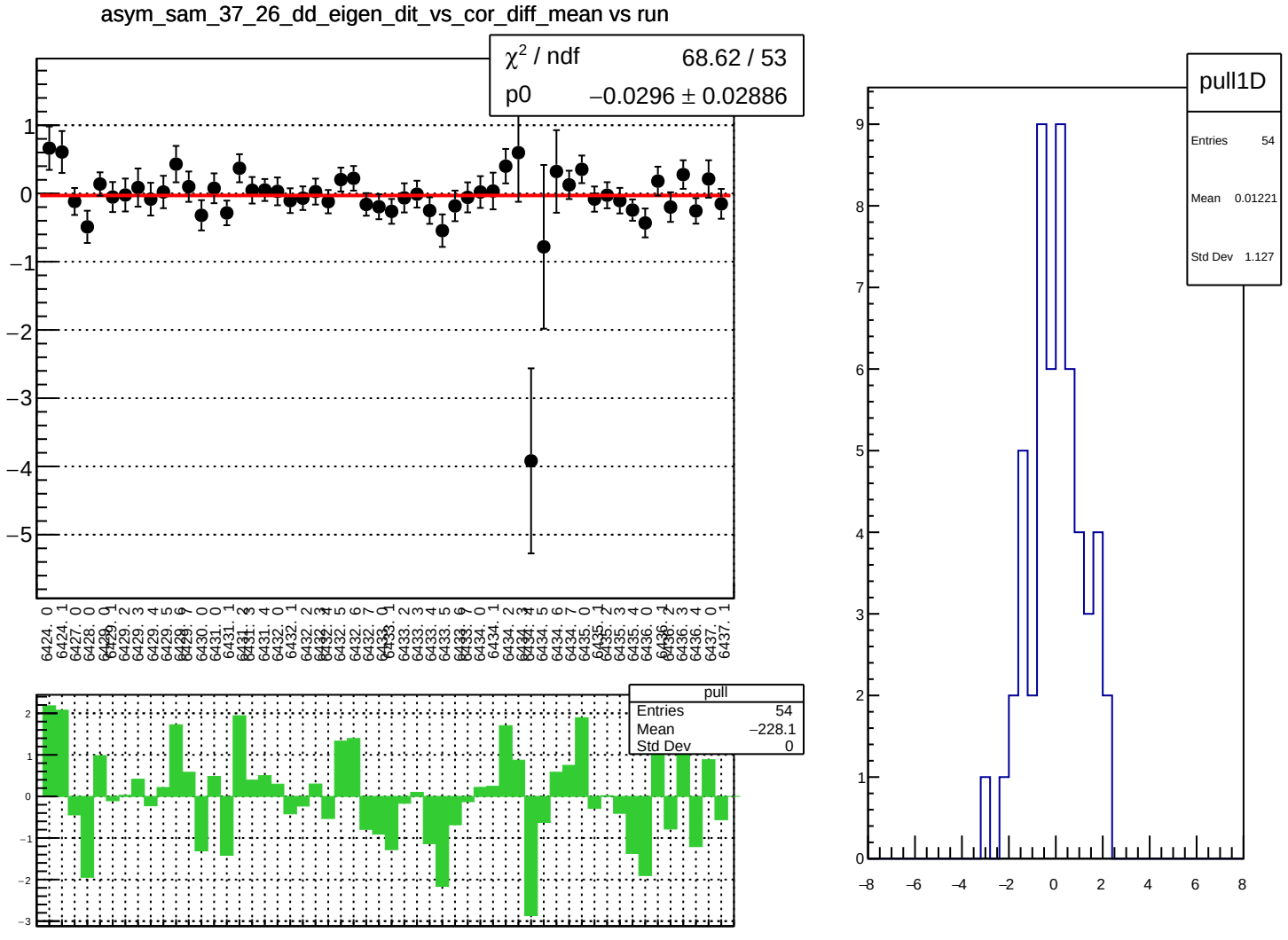

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.62 / 53
p0 −0.0296 ± 0.02886
pull
Entries 54
Mean −228.1
Std Dev 0
pull1D
Entries 54
Mean 0.01222
Std Dev 1.127

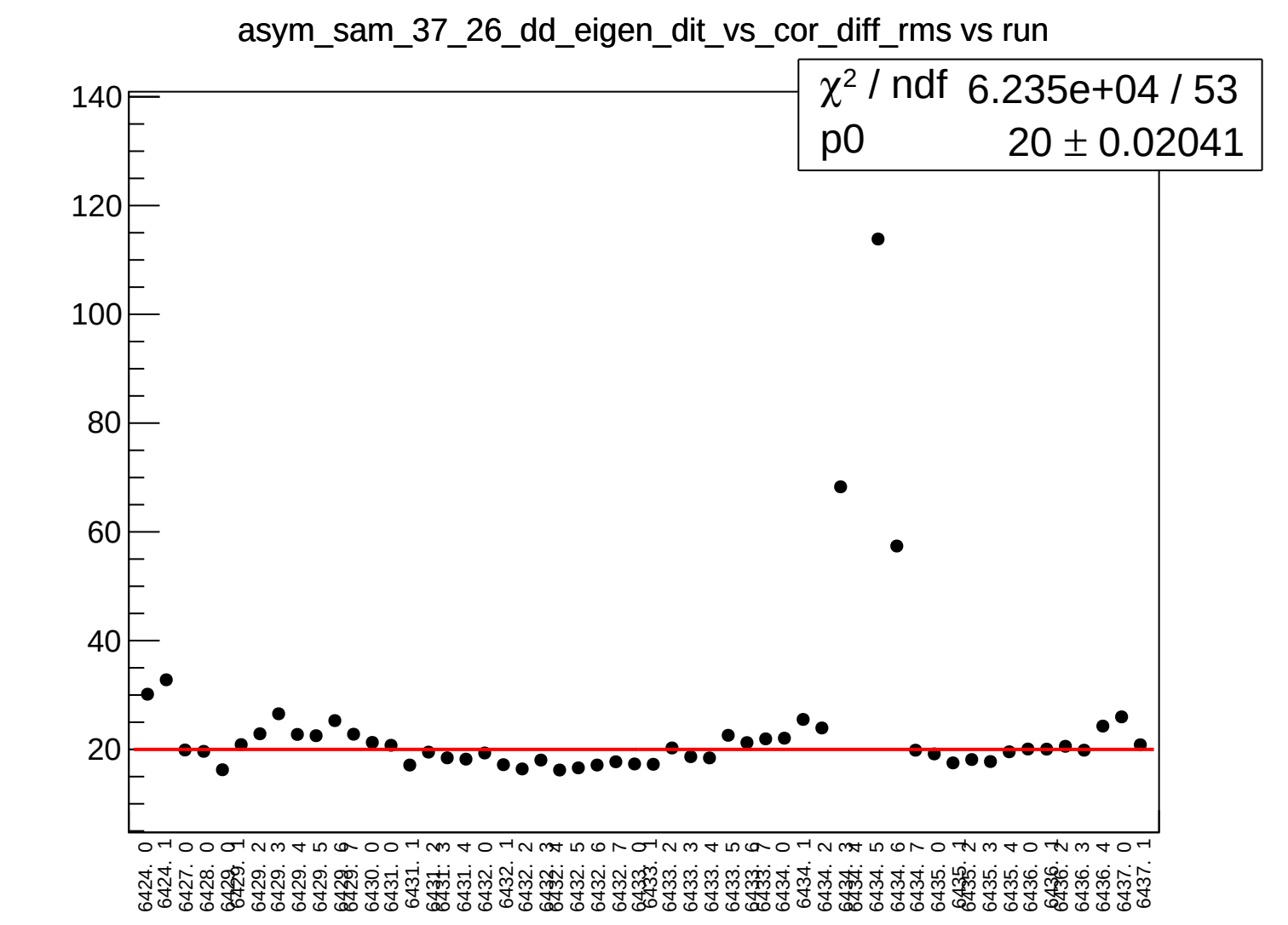

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.235e+04 / 53
p0 20 ± 0.02041
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

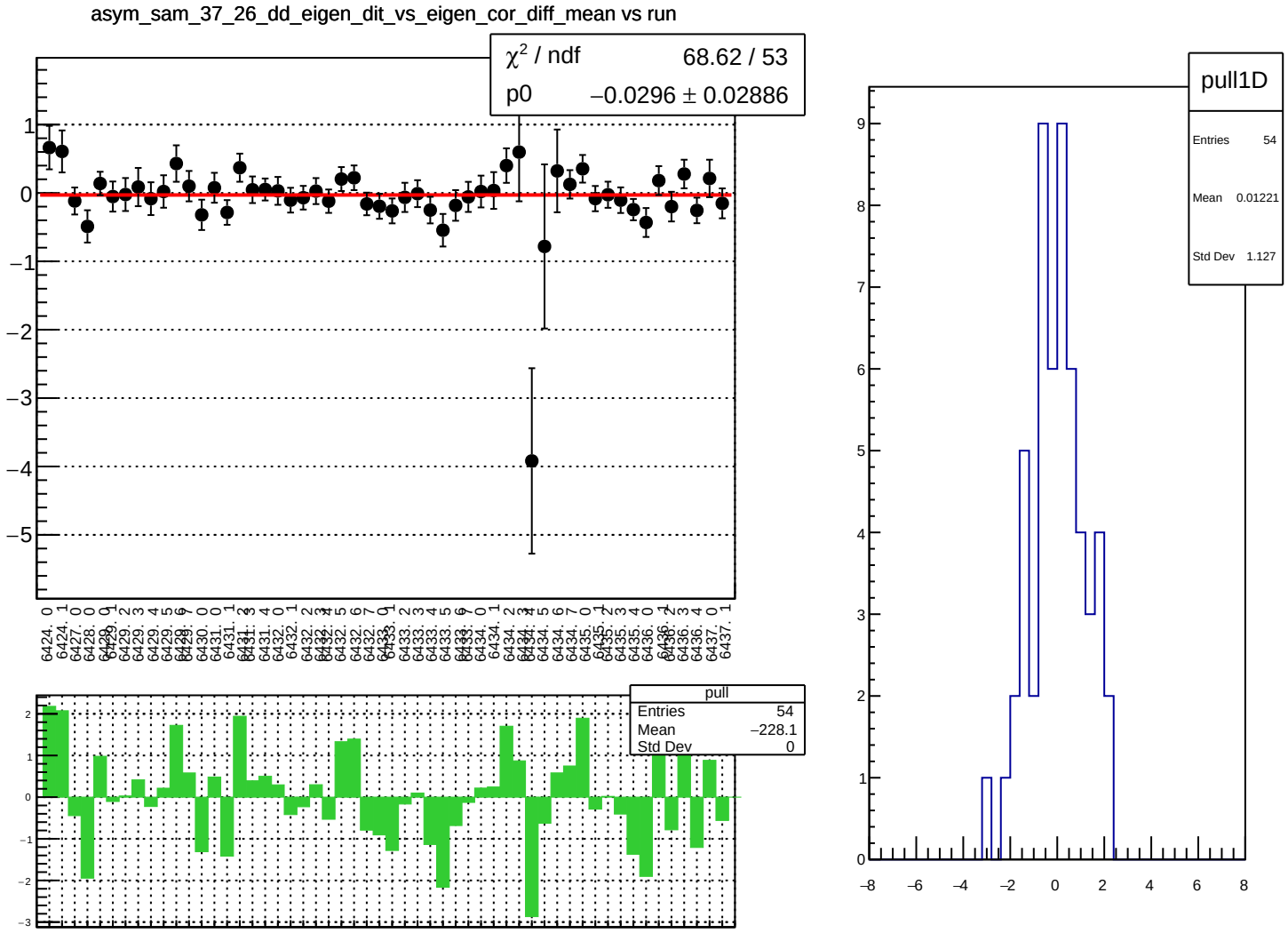

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.63 / 53
p0 −6.517e−07 ± 9.21e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 54
Mean −1015
Std Dev 0

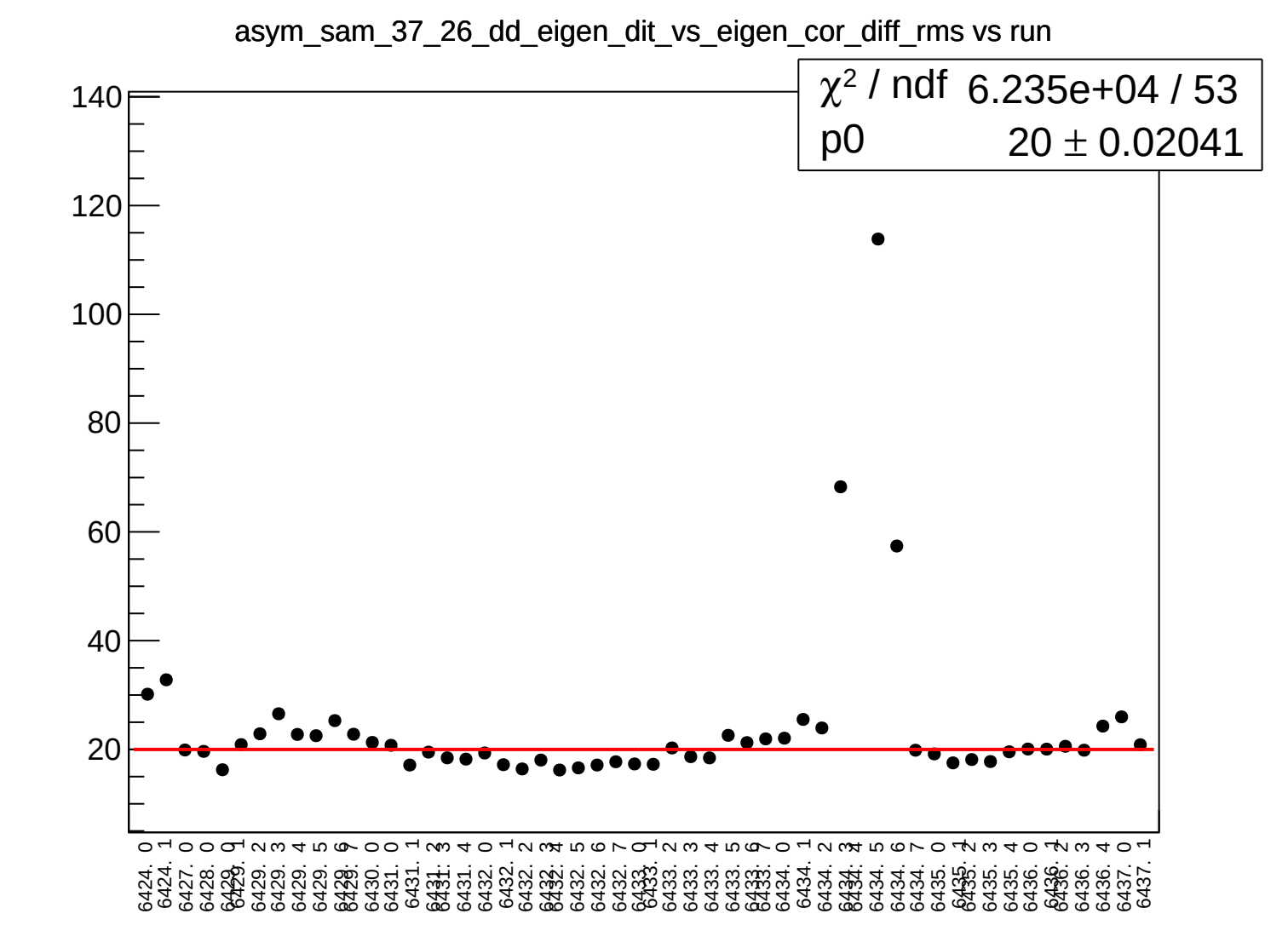

pull1D
Entries 54
Mean −0.0025
Std Dev 1.06


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2050 / 53
p0 0.0006579 ± 6.513e−07
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.62 / 53
p0 −0.0296 ± 0.02886
pull
Entries 54
Mean −228.1
Std Dev 0
pull1D
Entries 54
Mean 0.01221
Std Dev 1.127


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.235e+04 / 53
p0 20 ± 0.02041
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.62 / 53
p0 −0.0296 ± 0.02886
pull
Entries 54
Mean −228.1
Std Dev 0
pull1D
Entries 54
Mean 0.01221
Std Dev 1.127


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.235e+04 / 53
p0 20 ± 0.02041
140
120
100
80
60
40
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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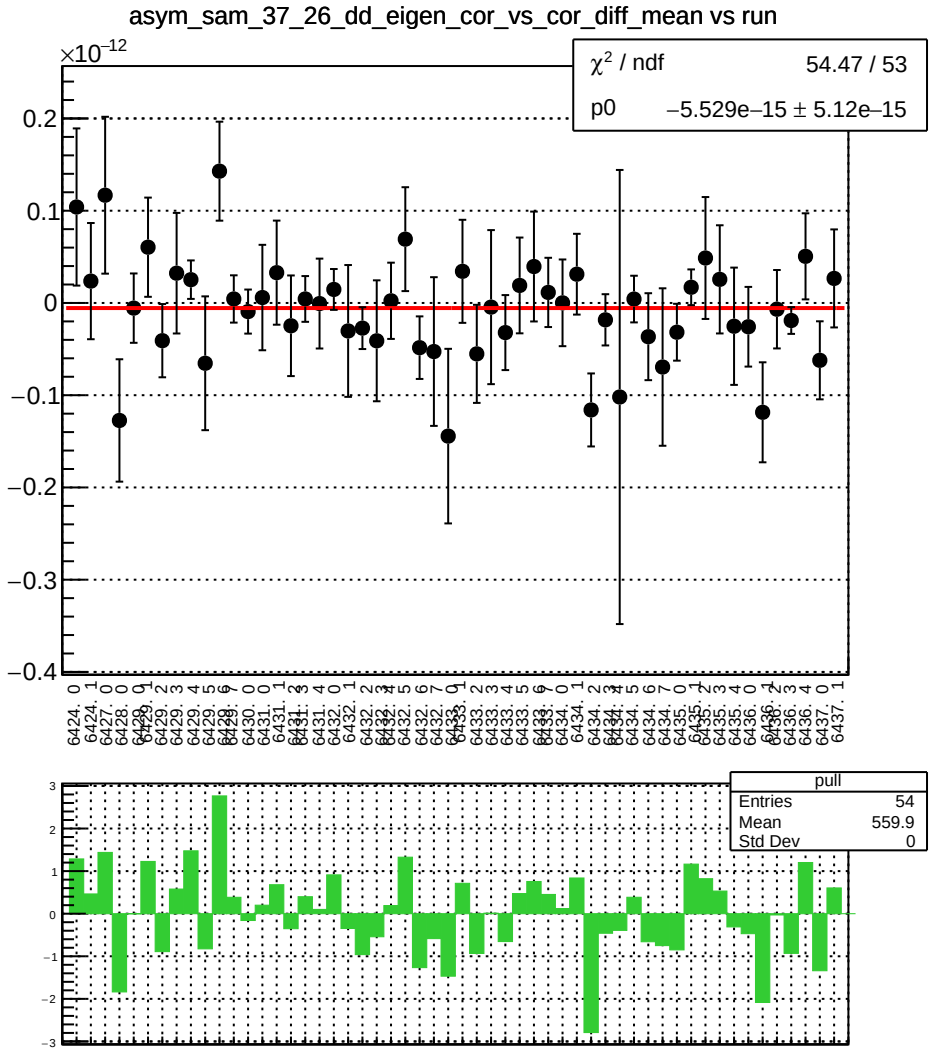
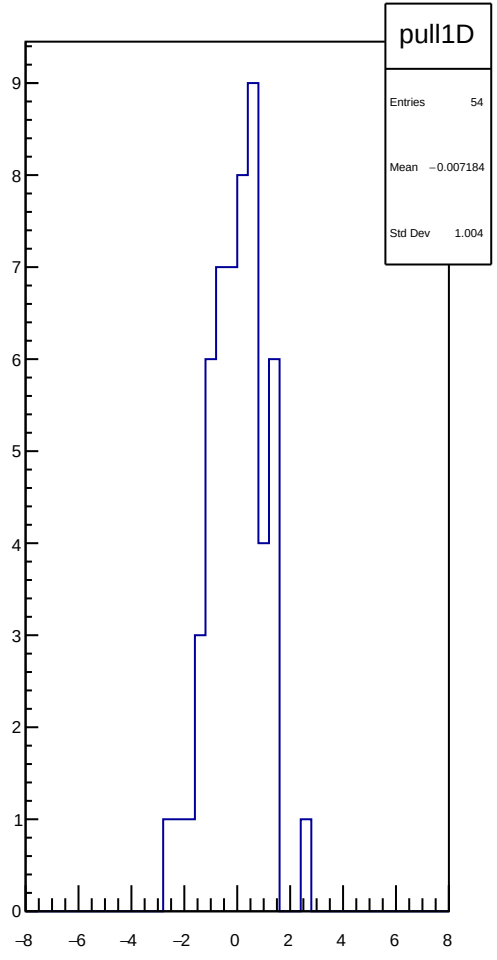
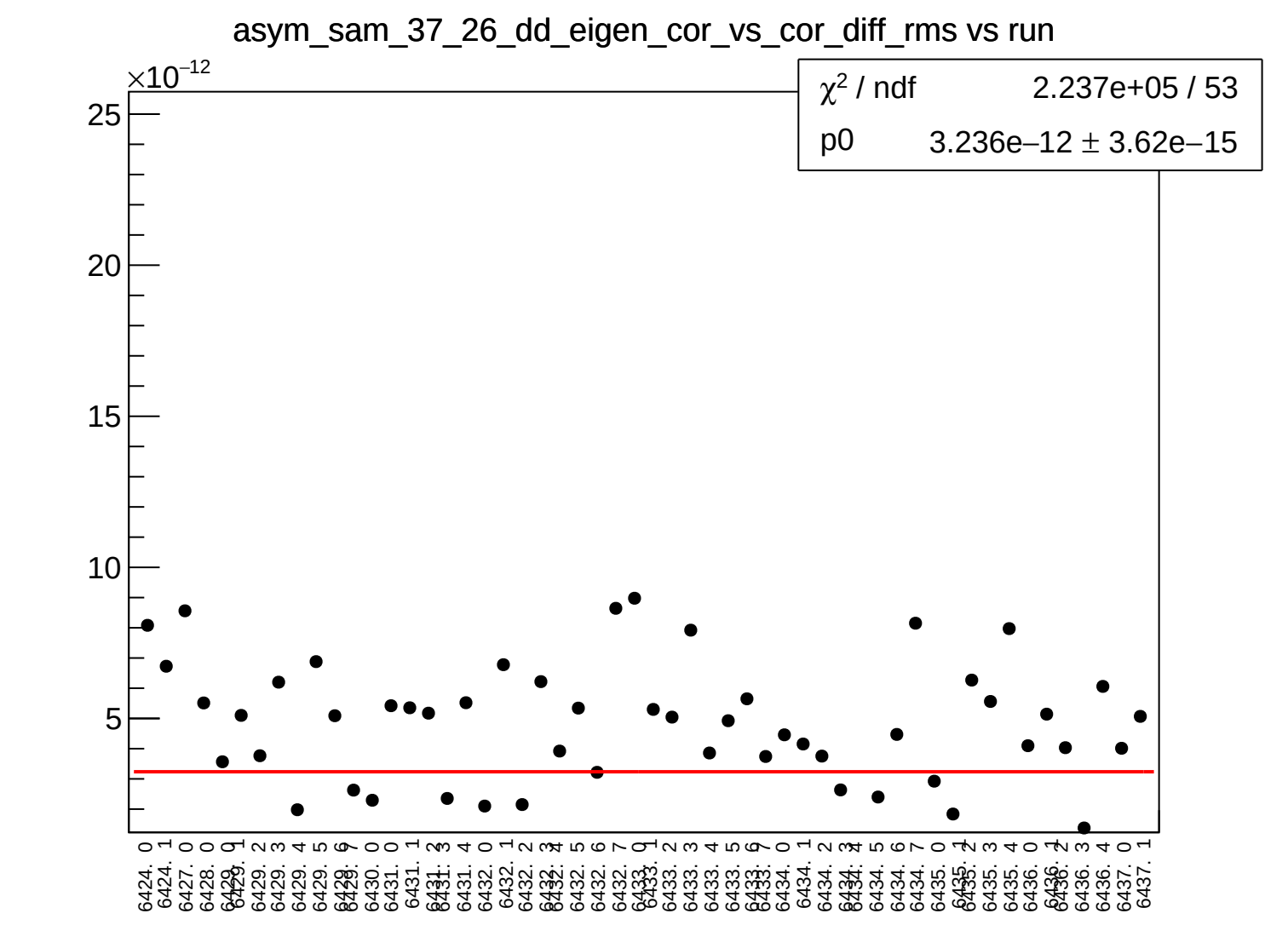
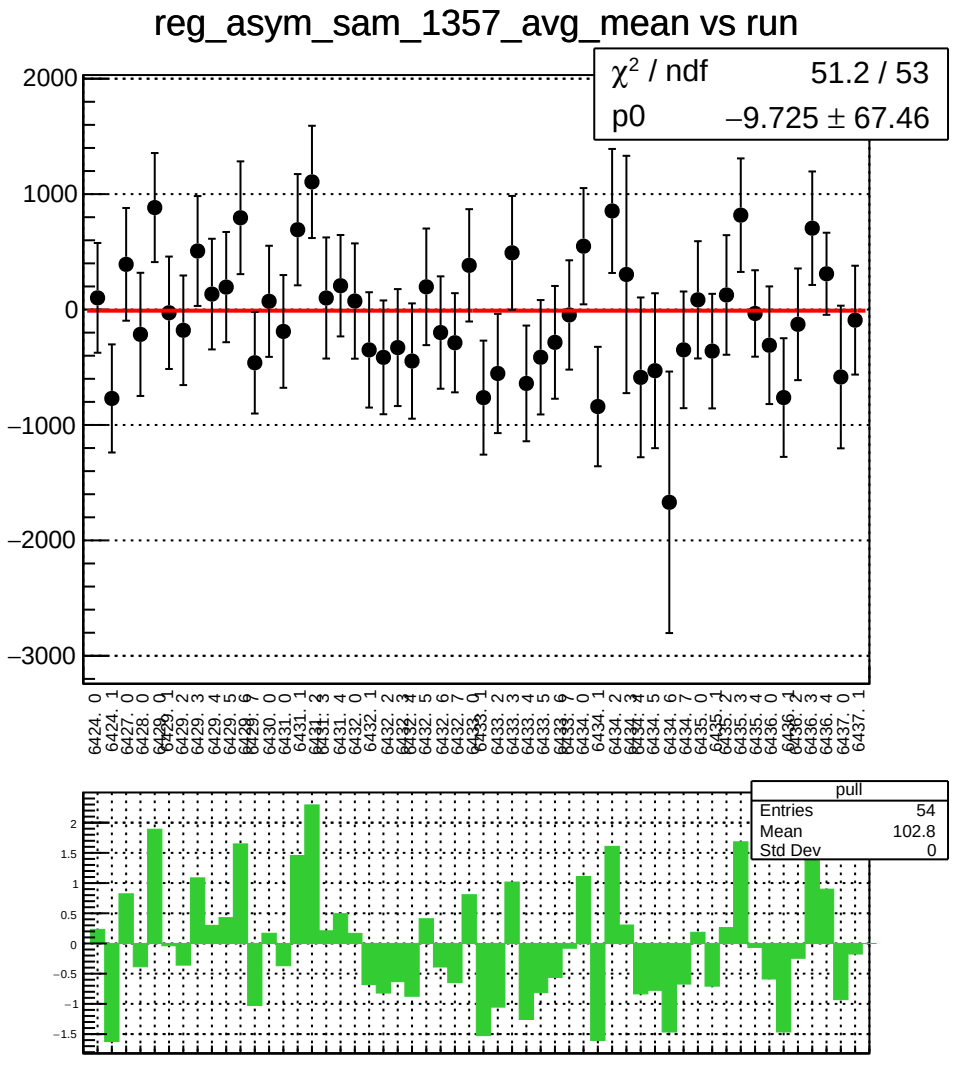
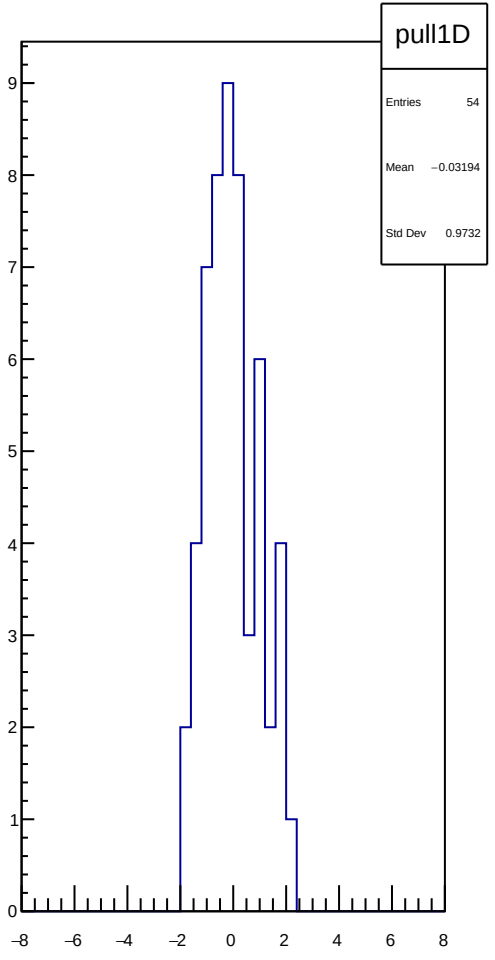
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

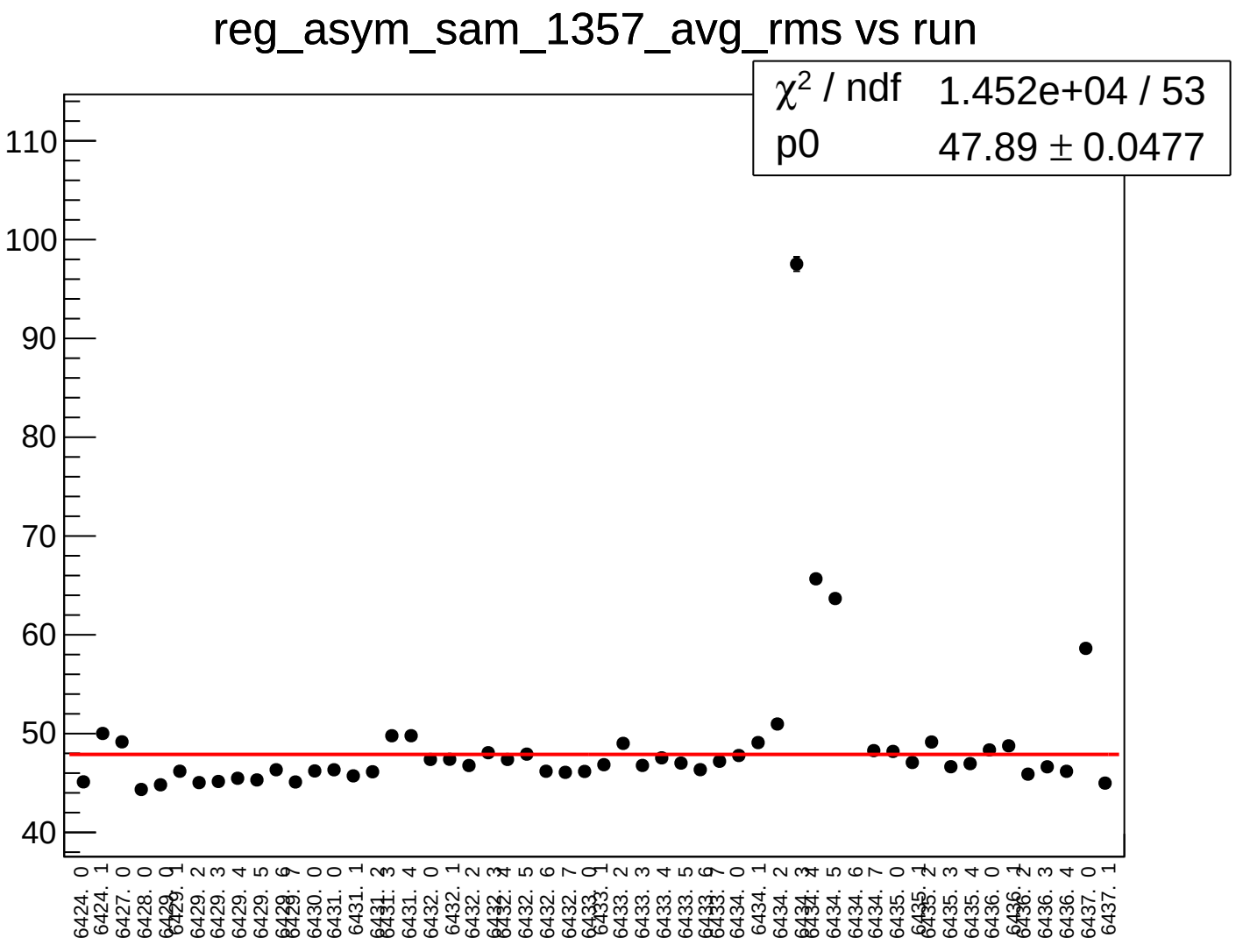

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.47 / 53
p0 −5.529e−15 ± 5.12e−15
pull
Entries 54
Mean 559.9
Std Dev 0


pull1D
Entries 54
Mean −0.007184
Std Dev 1.004


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.237e+05 / 53
p0 3.236e−12 ± 3.62e−15
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


reg_asym_sam_1357_avg_mean vs run
χ² / ndf 51.2 / 53
p0 −9.725 ± 67.46
pull
Entries 54
Mean 102.8
Std Dev 0


pull1D
Entries 54
Mean −0.03194
Std Dev 0.9732


reg_asym_sam_1357_avg_rms vs run
χ² / ndf 1.452e+04 / 53
p0 47.89 ± 0.0477
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
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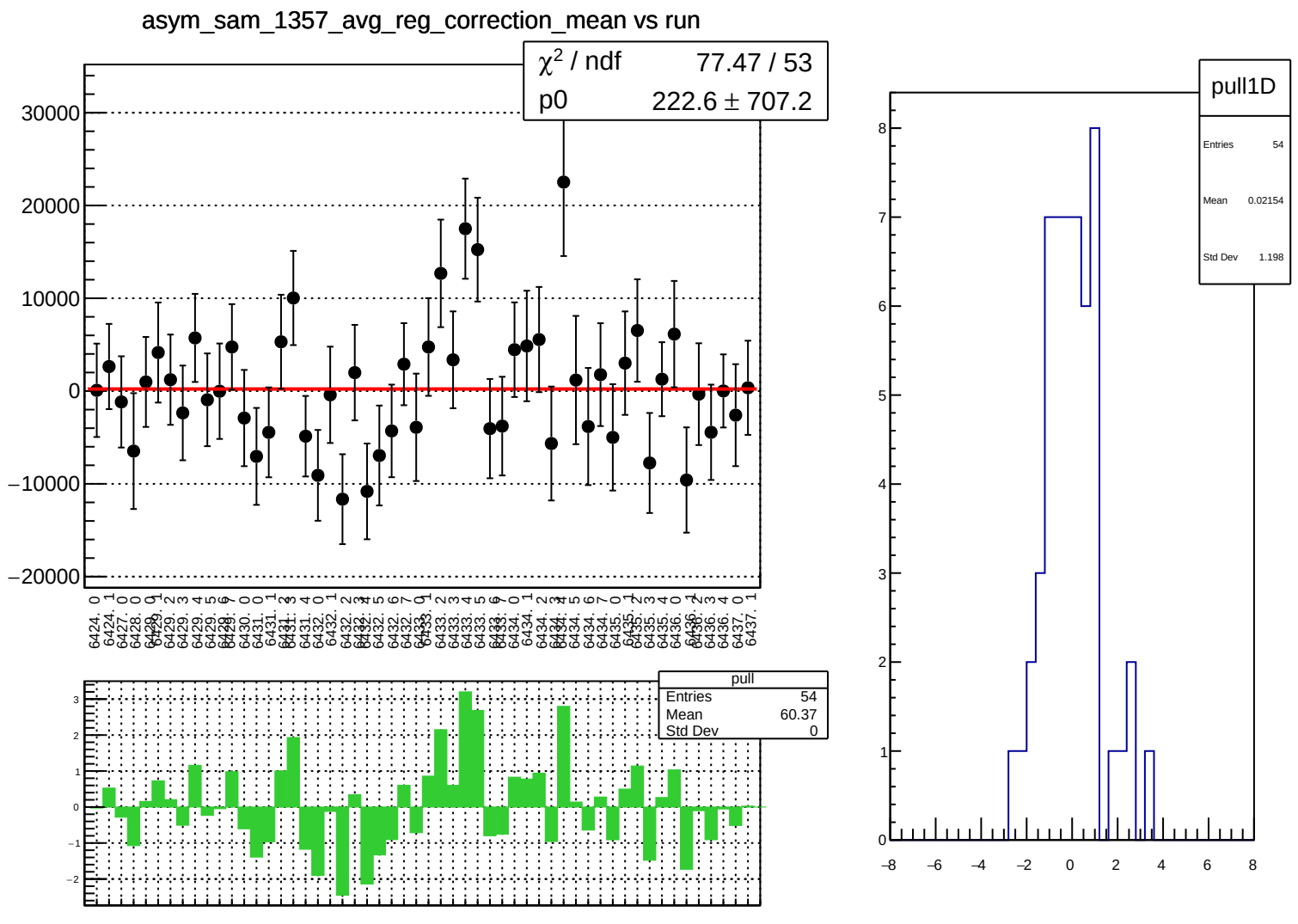
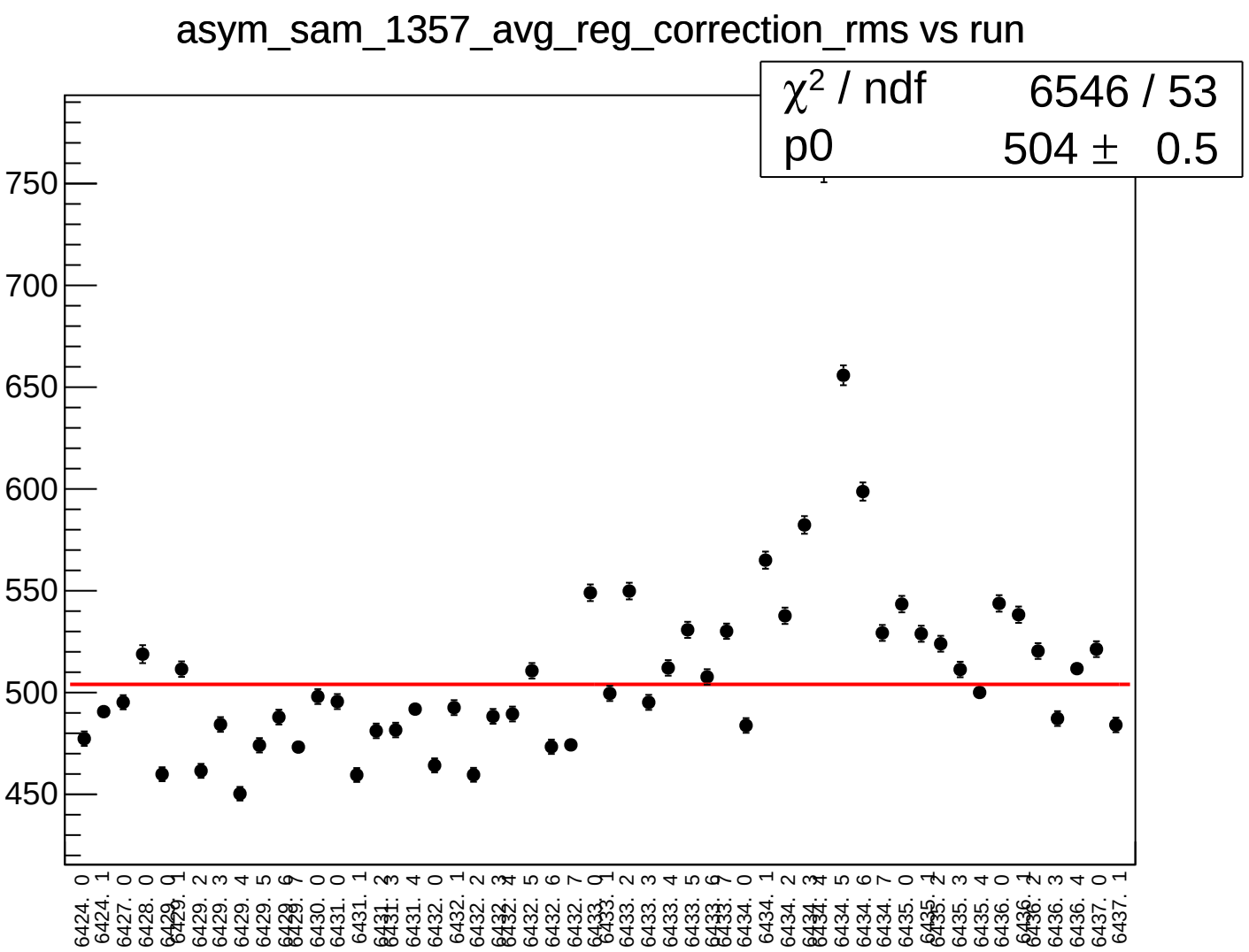
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 77.47 / 53
p0 222.6 ± 707.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 60.37
Std Dev 0
pull1D
Entries 54
Mean 0.02154
Std Dev 1.198


asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 6546 / 53
p0 504 ± 0.5
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
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6433. 3
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6434. 0
6434. 1
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6434. 5
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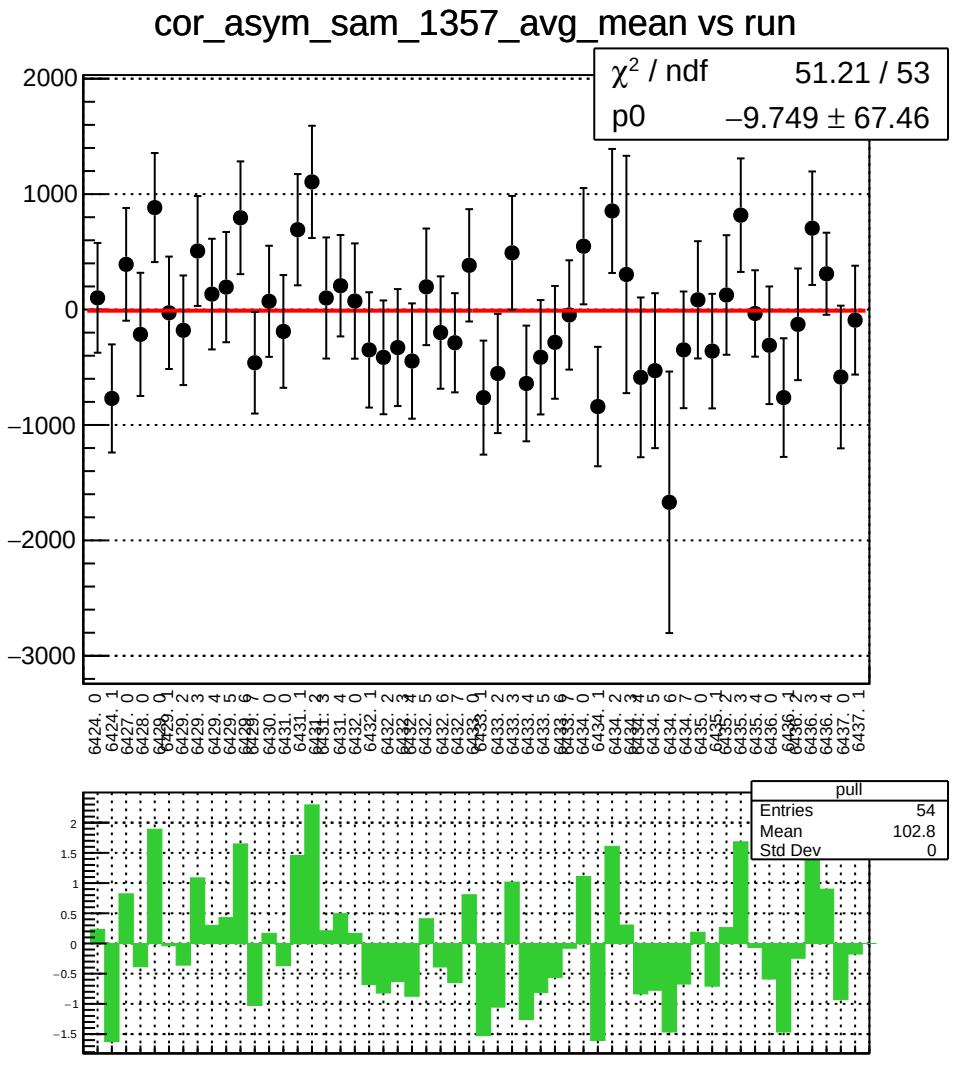
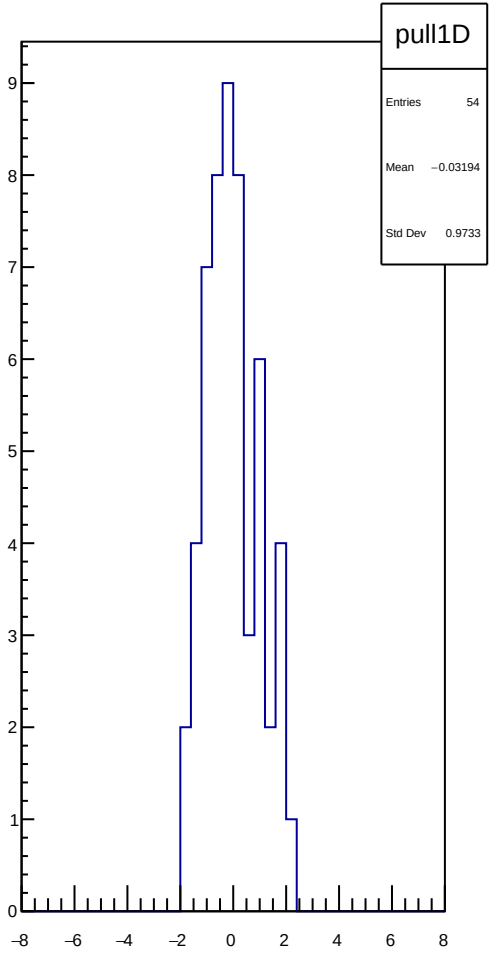
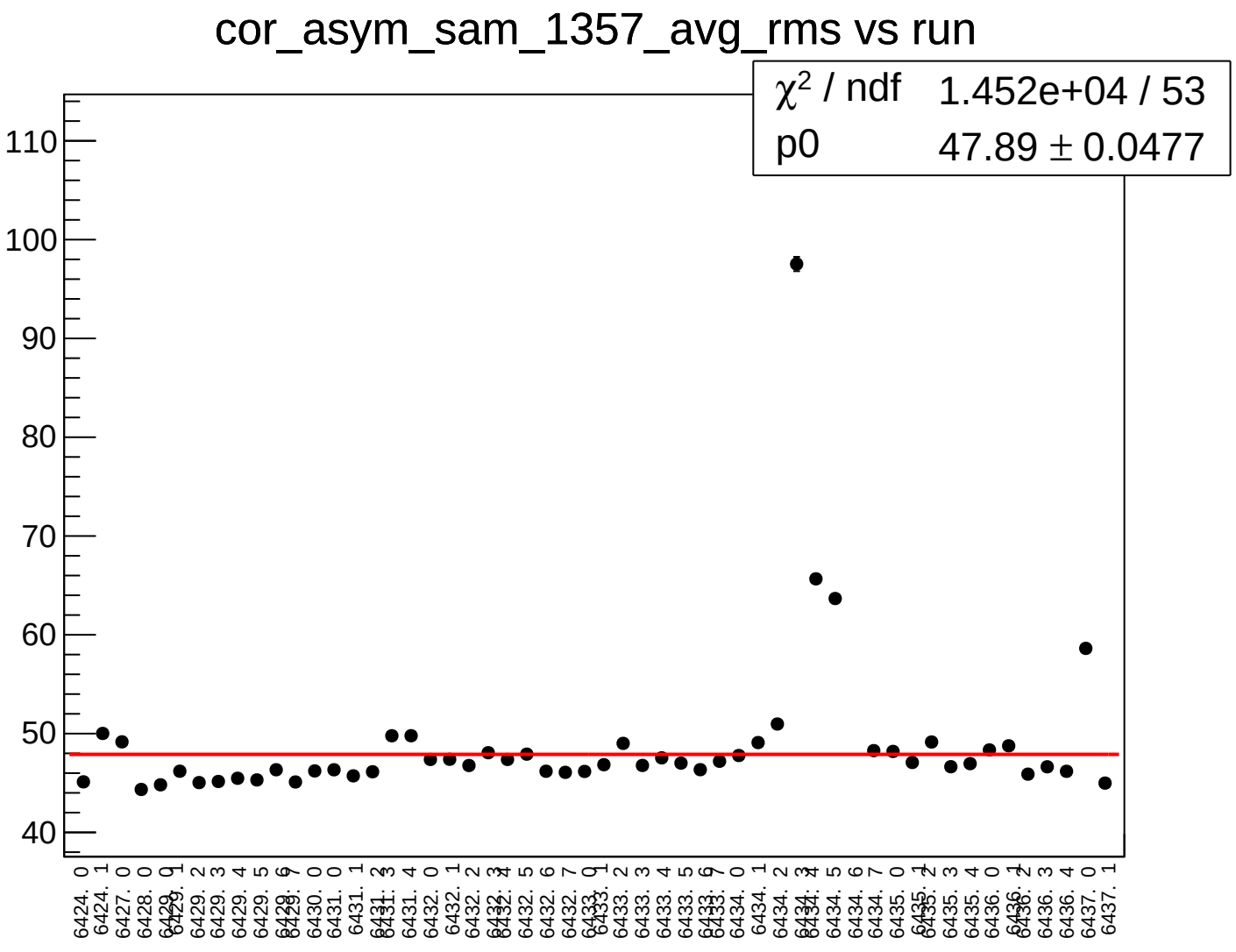
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


cor_asym_sam_1357_avg_mean vs run
χ² / ndf 51.21 / 53
p0 −9.749 ± 67.46
pull
Entries 54
Mean 102.8
Std Dev 0


pull1D
Entries 54
Mean −0.03194
Std Dev 0.9733


cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.452e+04 / 53
p0 47.89 ± 0.0477
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
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6434. 6
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6435. 0
6435. 1
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6435. 4
6436. 0
6436. 1
6436. 2
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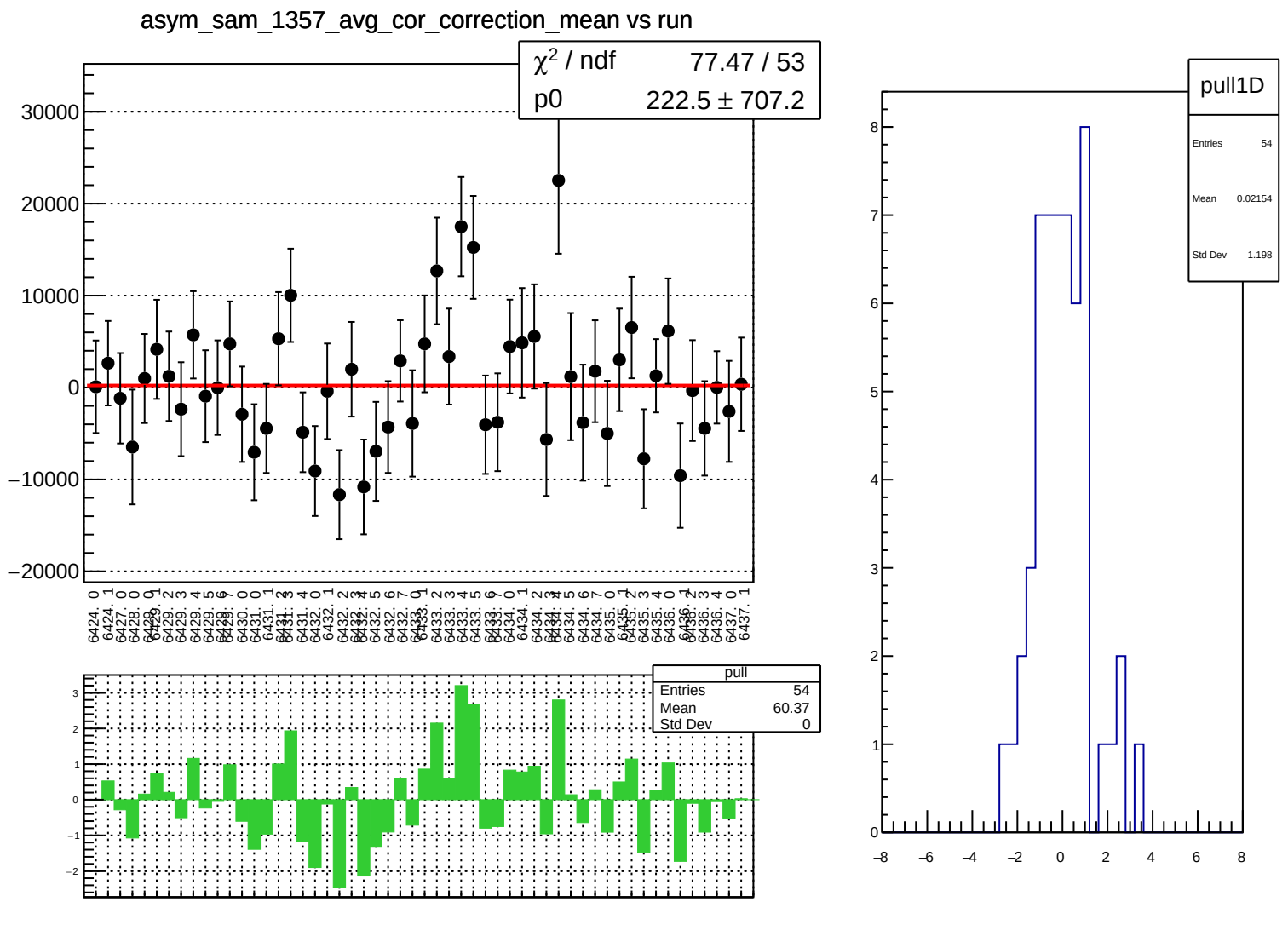
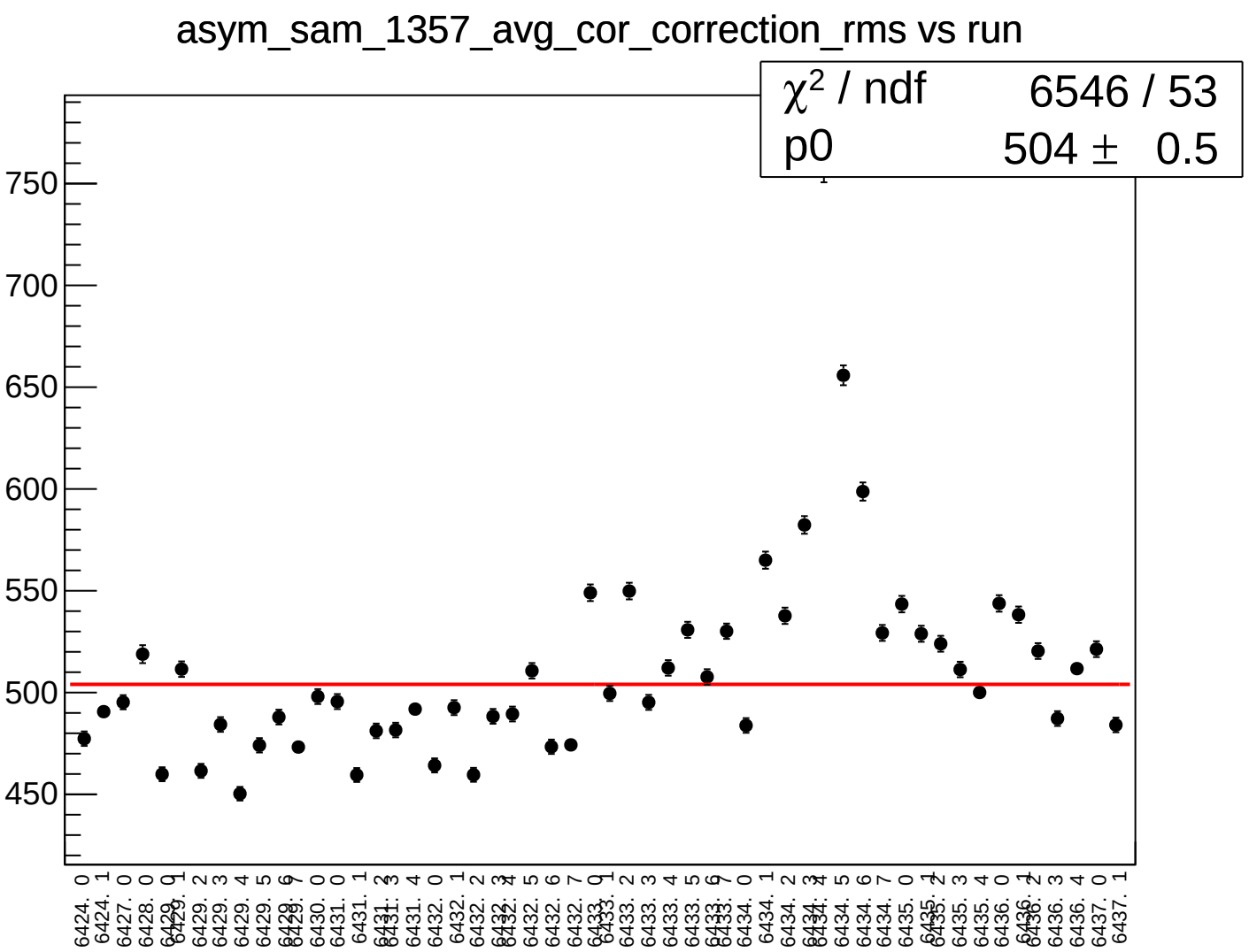
6436. 4
6437. 0
6437. 1


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 77.47 / 53
p0 222.5 ± 707.2
pull
Entries 54
Mean 60.37
Std Dev 0
pull1D
Entries 54
Mean 0.02154
Std Dev 1.198


asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 6546 / 53
p0 504 ± 0.5
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
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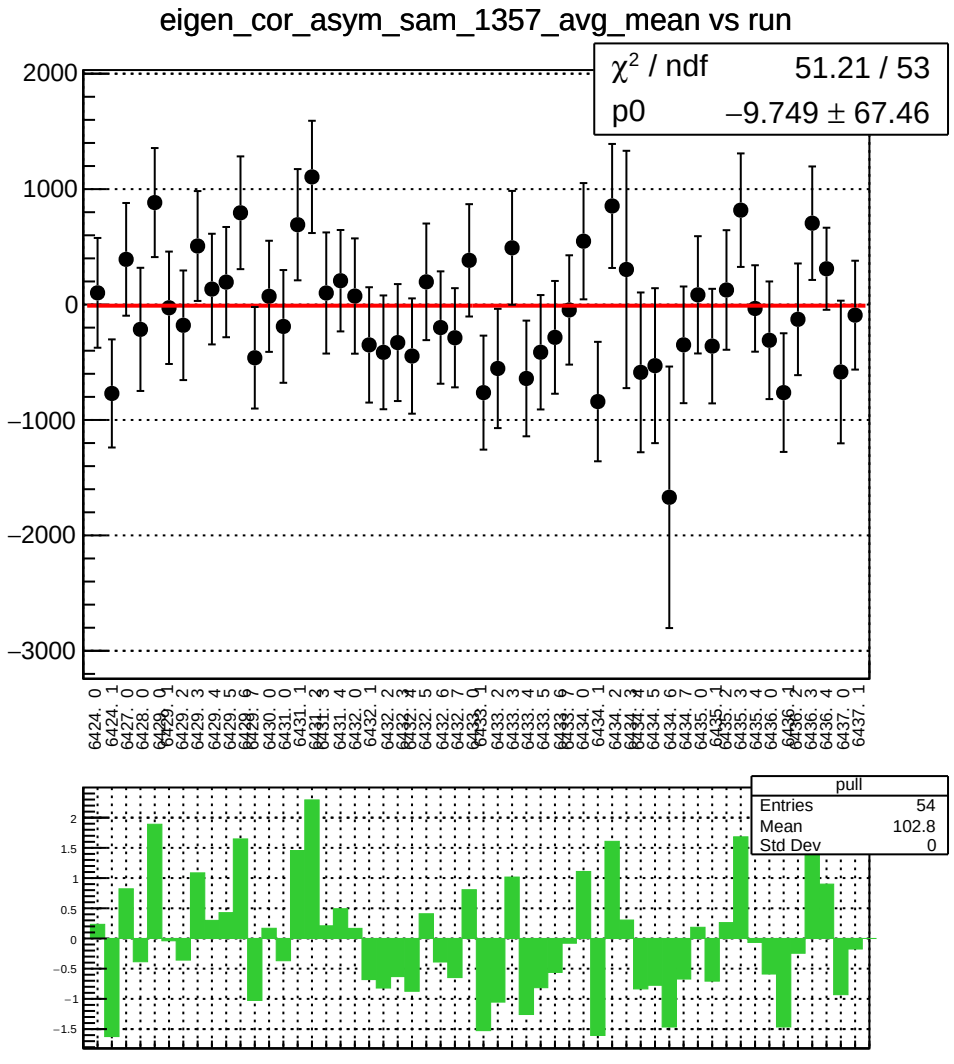
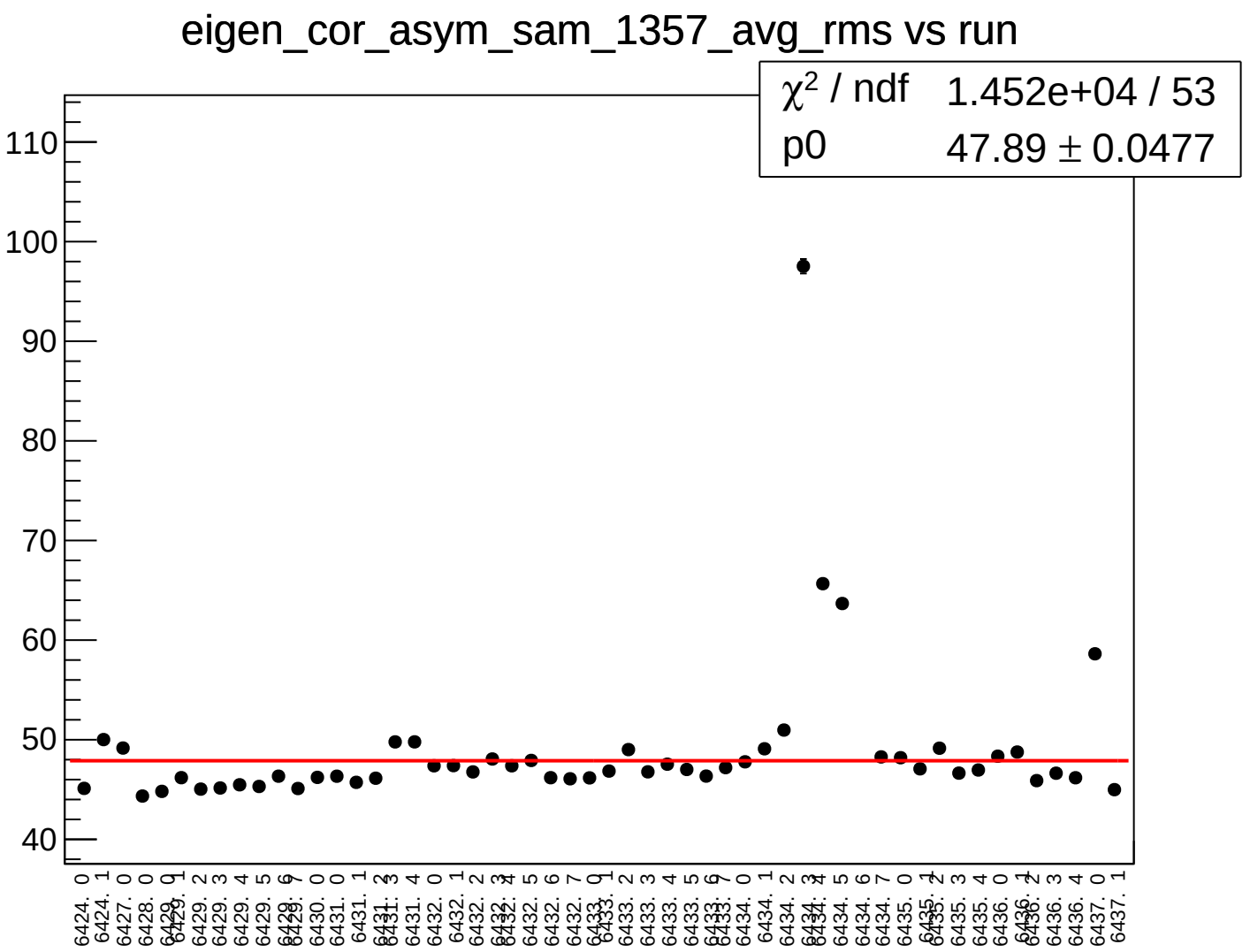
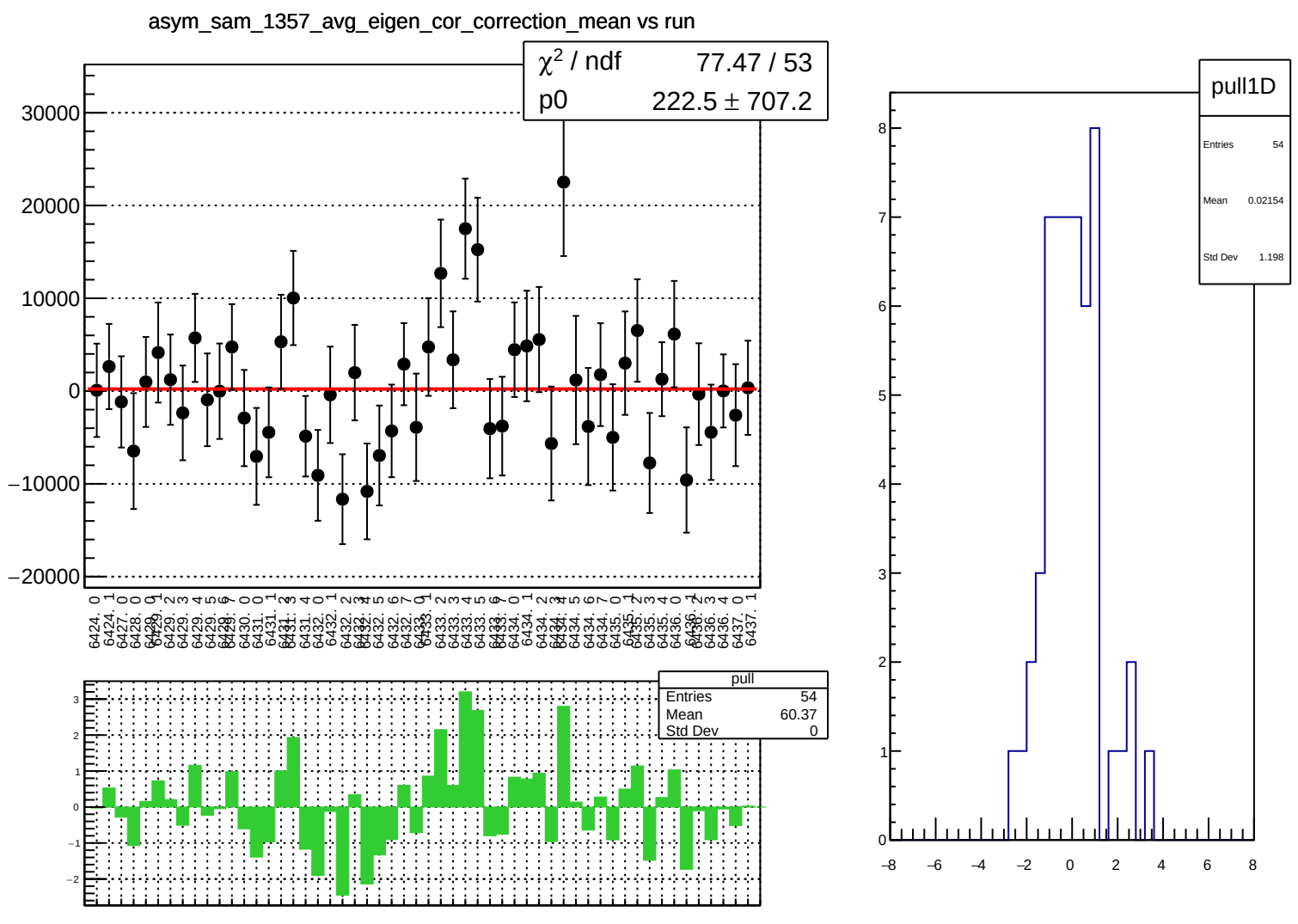
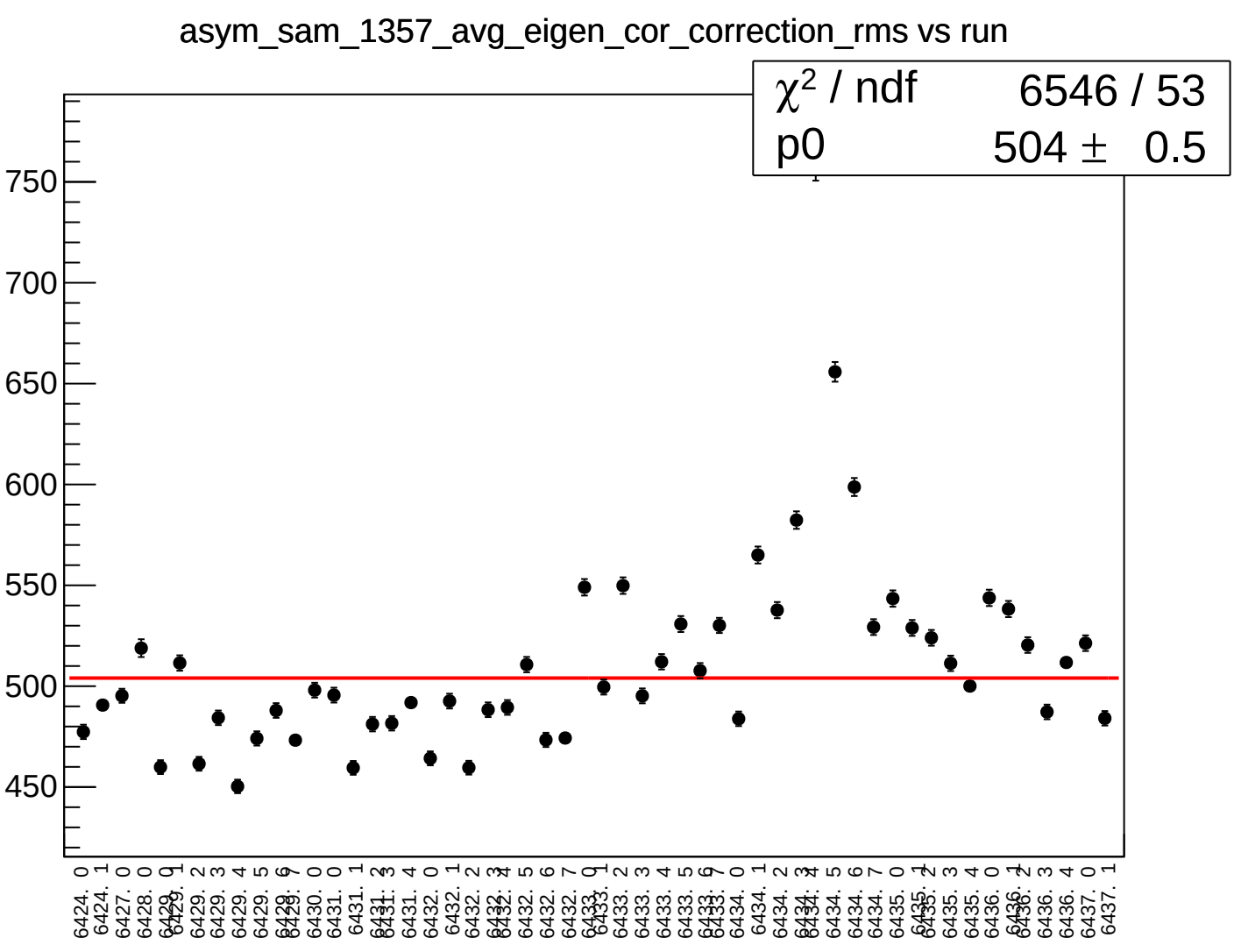
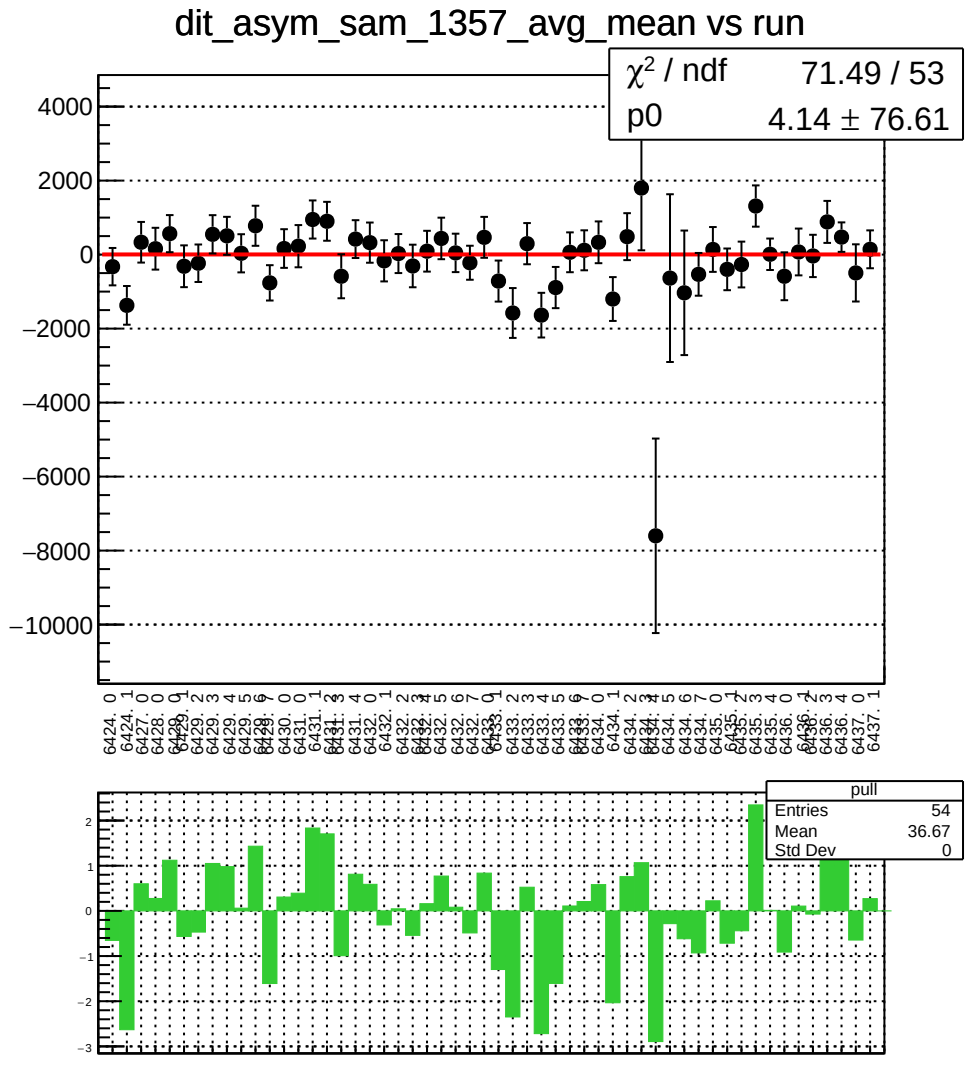
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

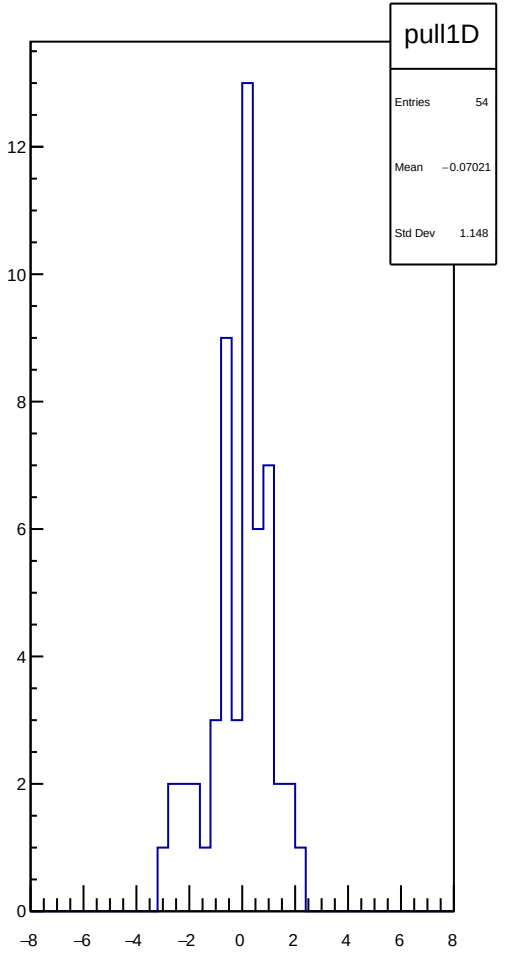

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 51.21 / 53
p0 −9.749 ± 67.46
pull
Entries 54
Mean 102.8
Std Dev 0
pull1D
Entries 54
Mean −0.03194
Std Dev 0.9733

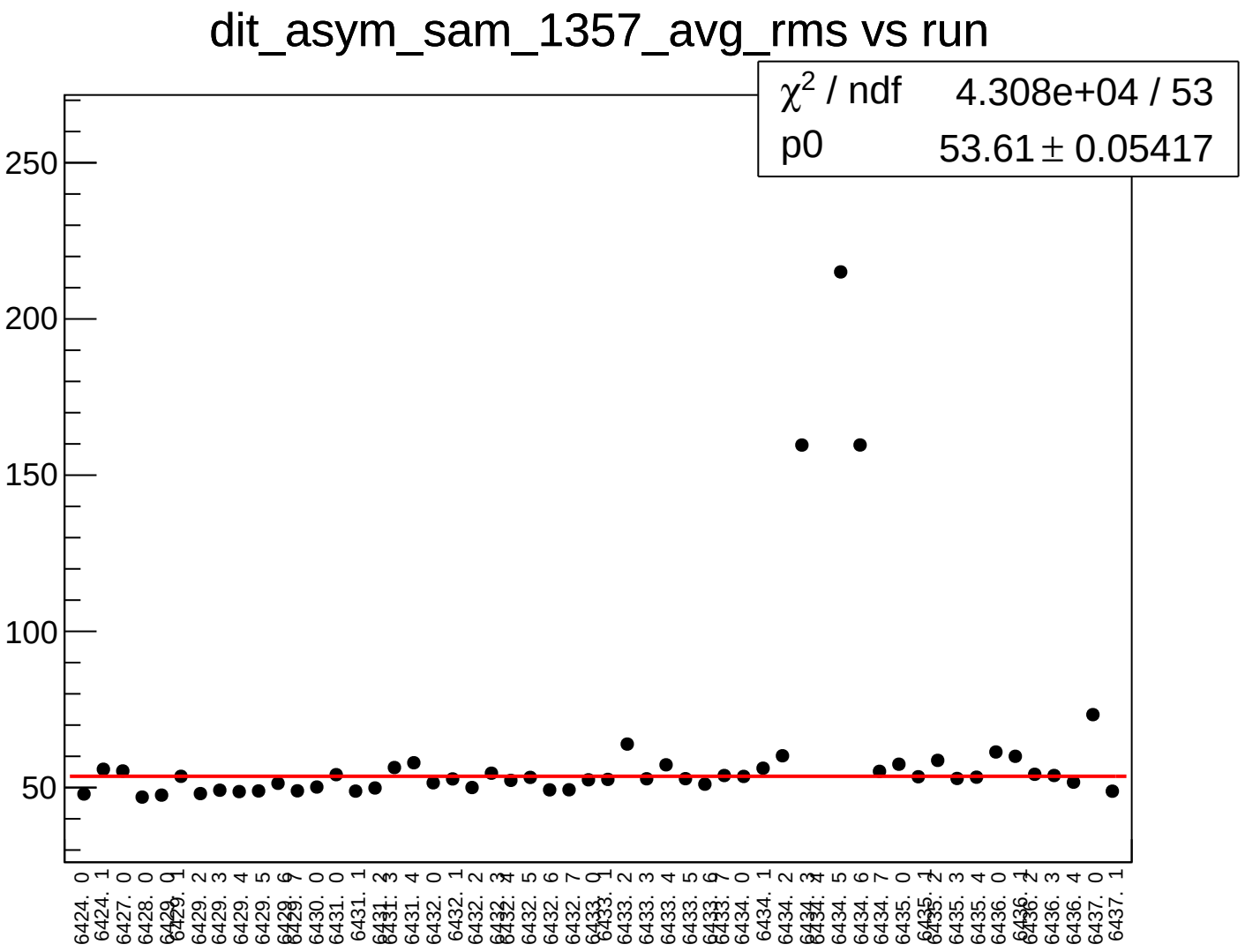

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.452e+04 / 53
p0 47.89 ± 0.0477
110
100
90
80
70
60
50
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

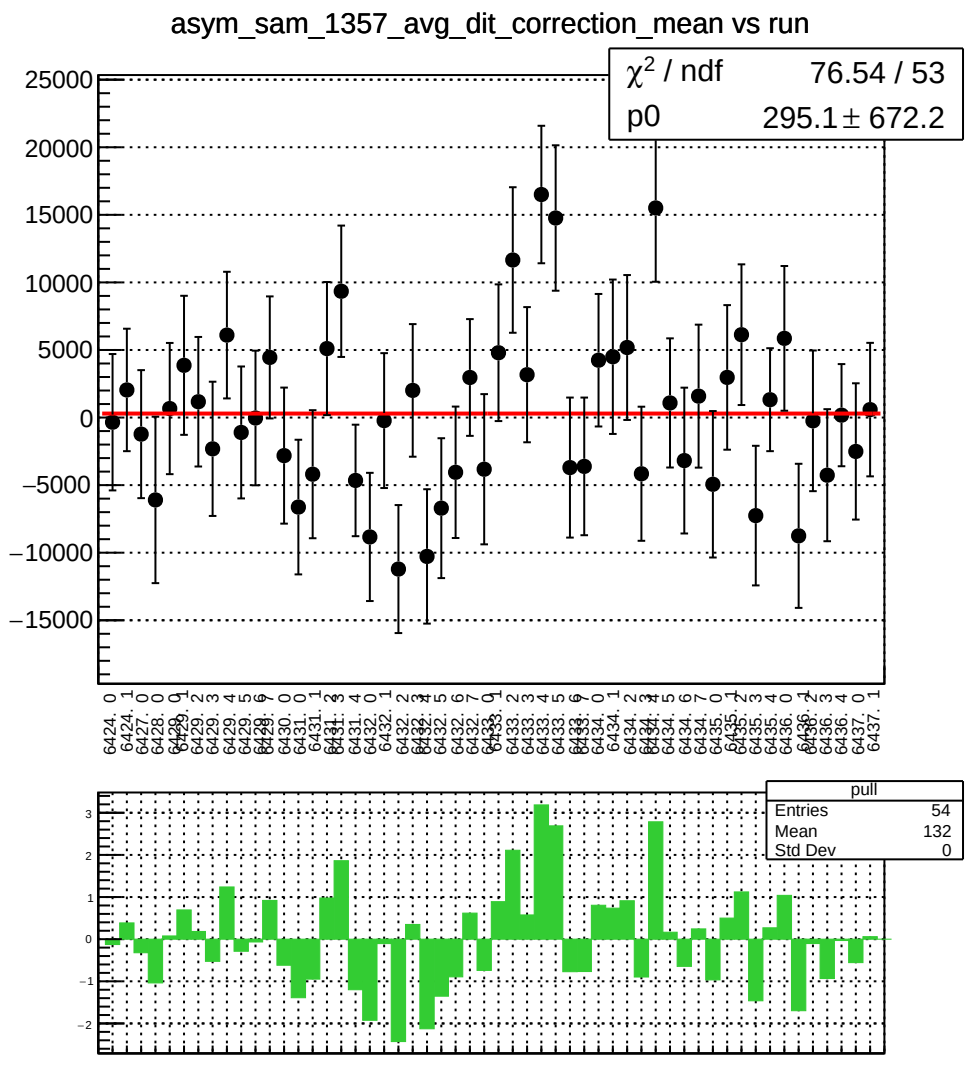

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.47 / 53
p0 222.5 ± 707.2
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 60.37
Std Dev 0
pull1D
Entries 54
Mean 0.02154
Std Dev 1.198

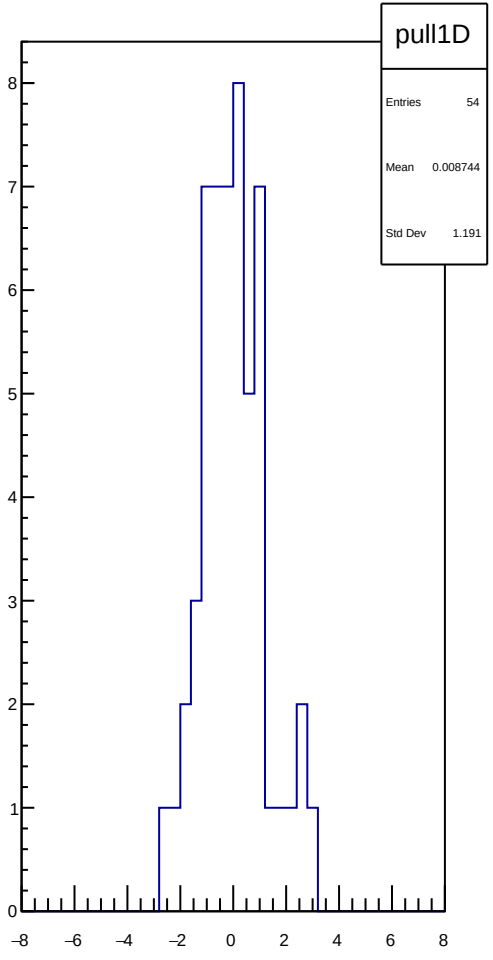

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 6546 / 53
p0 504 ± 0.5
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

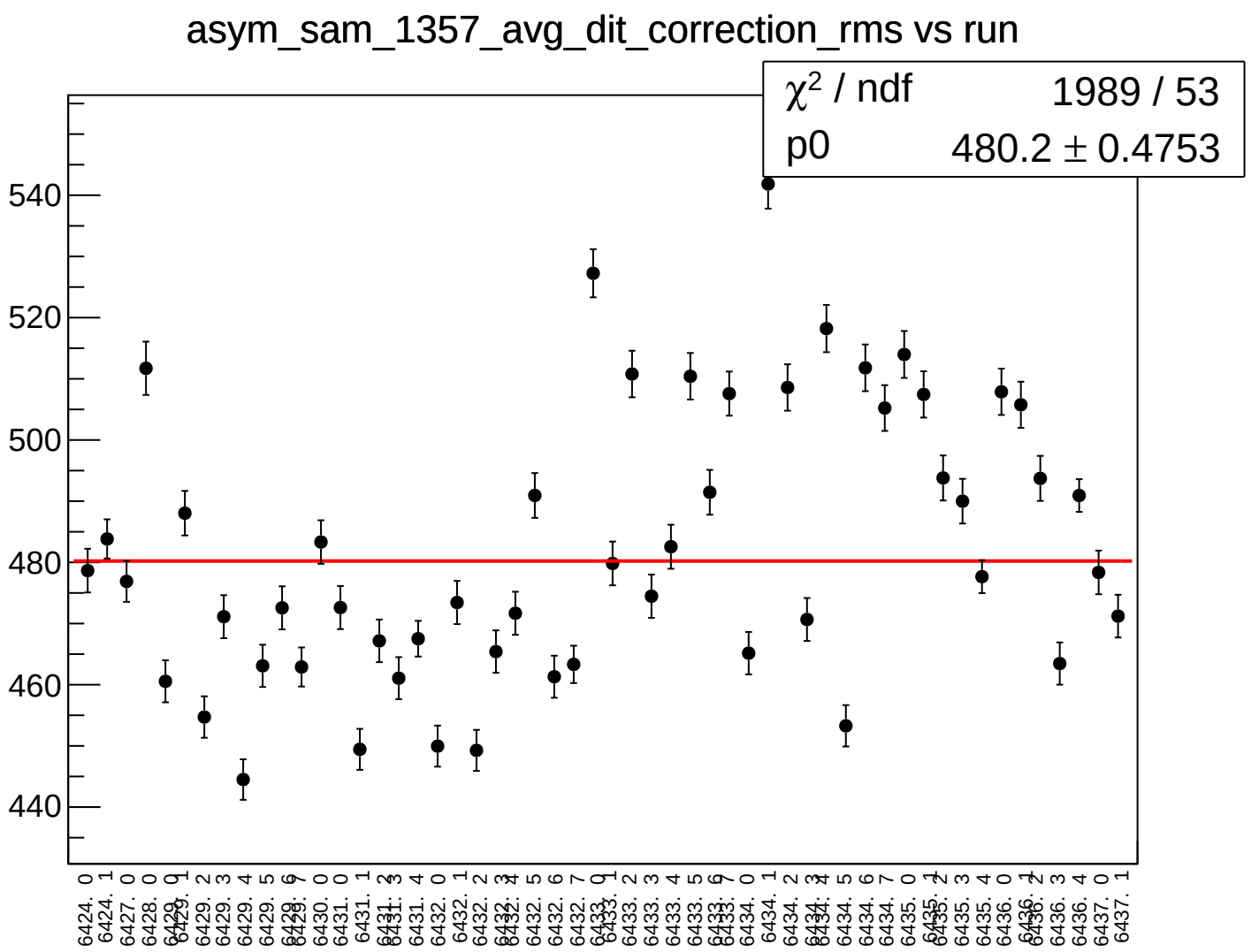

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 71.49 / 53
p0 4.14 ± 76.61
pull
Entries 54
Mean 36.67
Std Dev 0

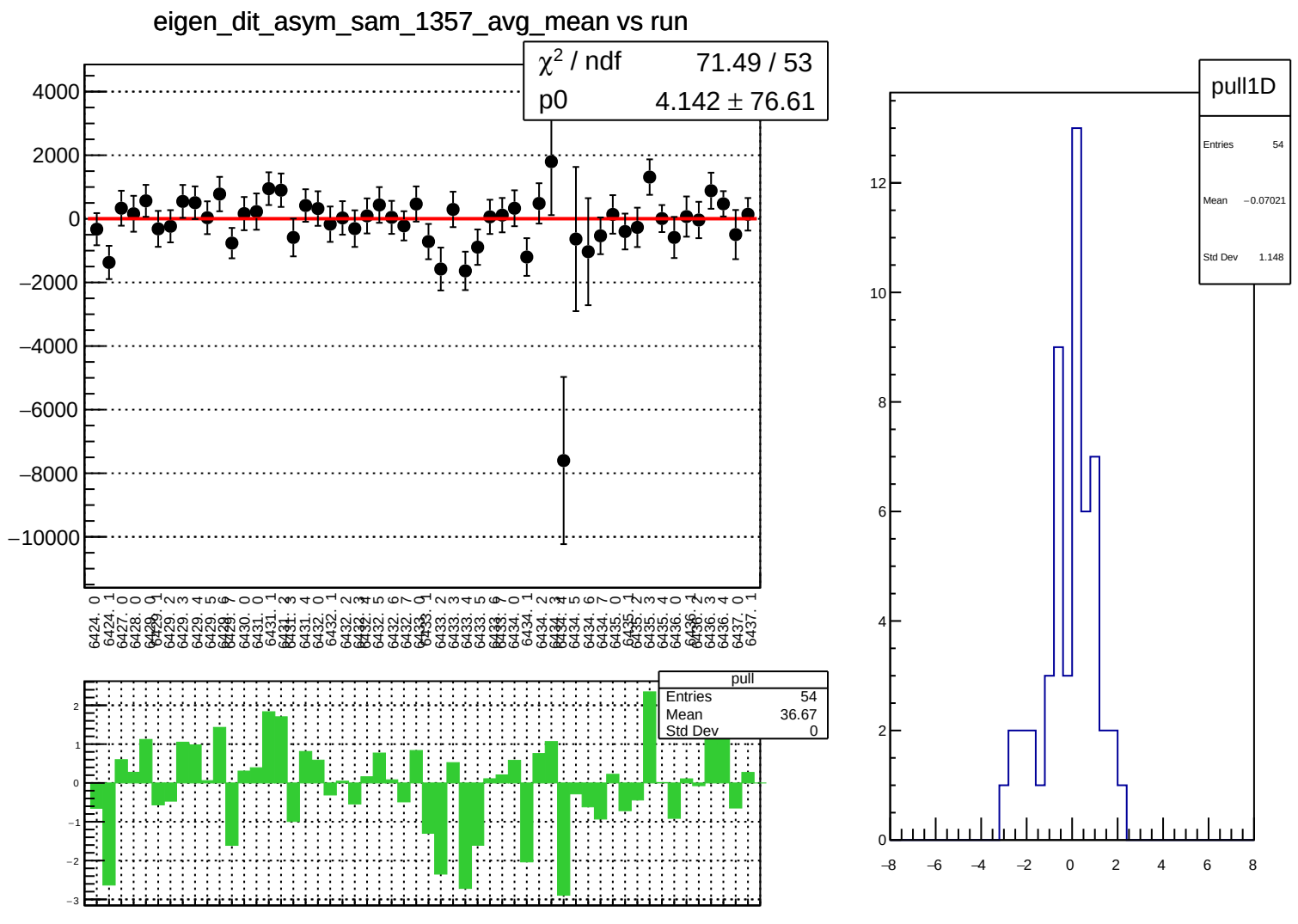

pull1D
Entries 54
Mean −0.07021
Std Dev 1.148

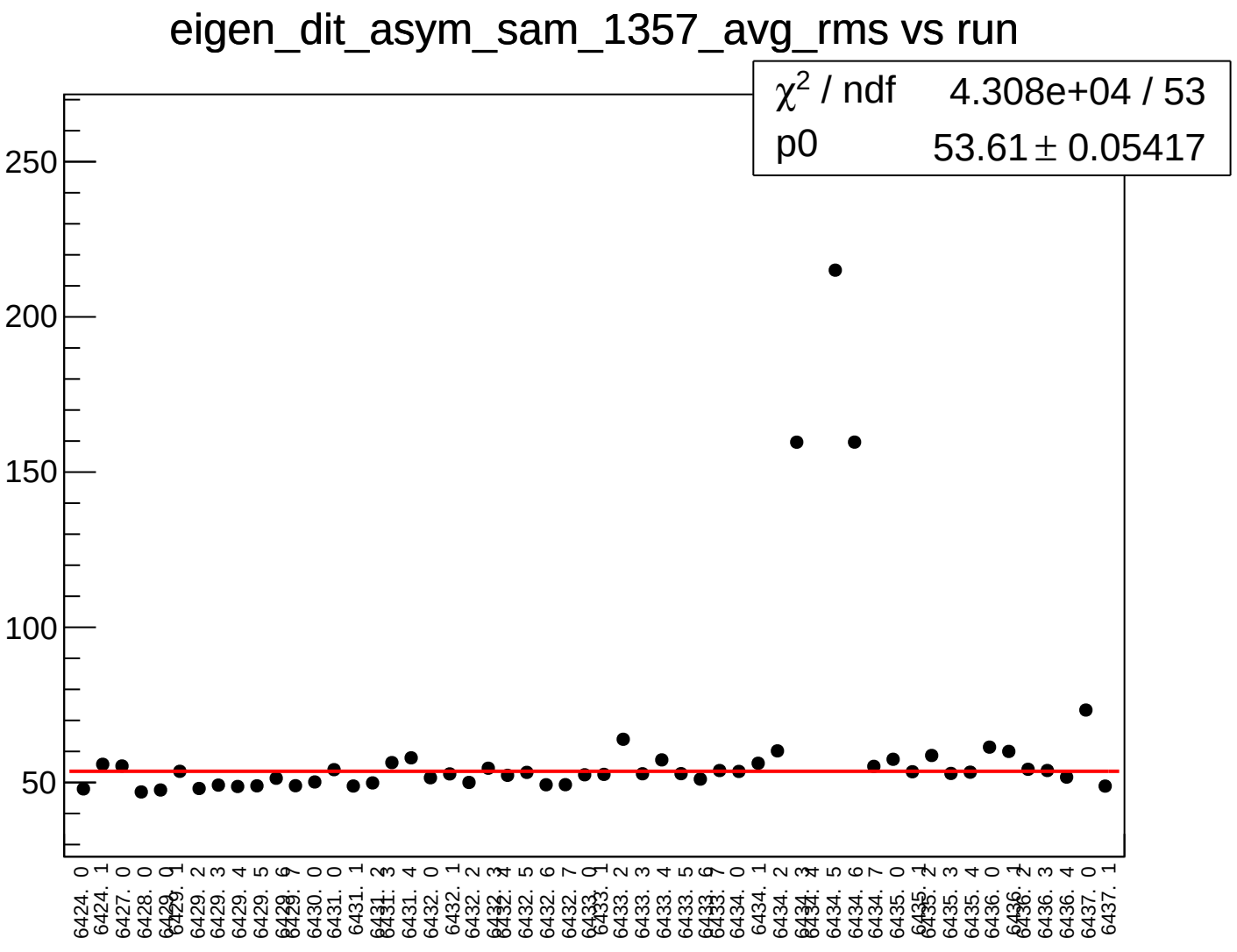

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.308e+04 / 53
p0 53.61 ± 0.05417
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

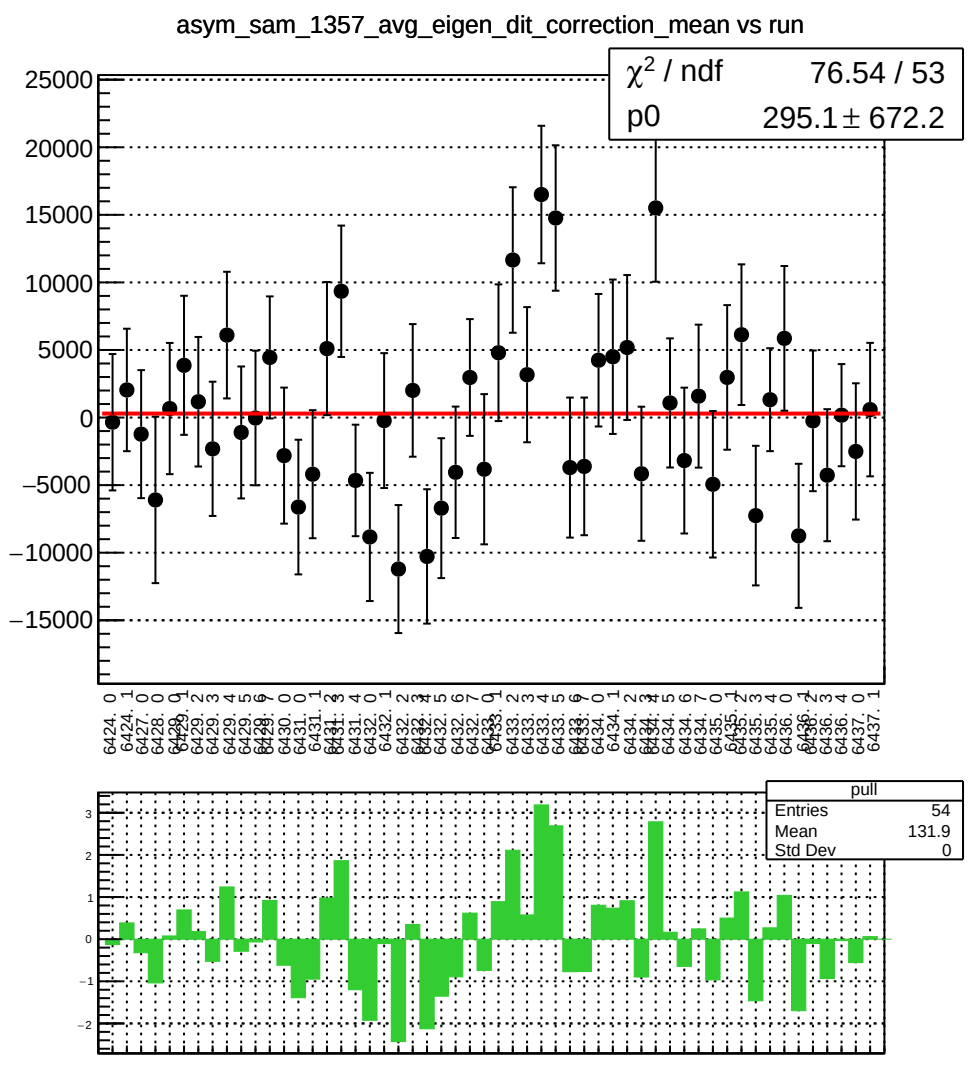

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 76.54 / 53
p0 295.1 ± 672.2
pull
Entries 54
Mean 132
Std Dev 0

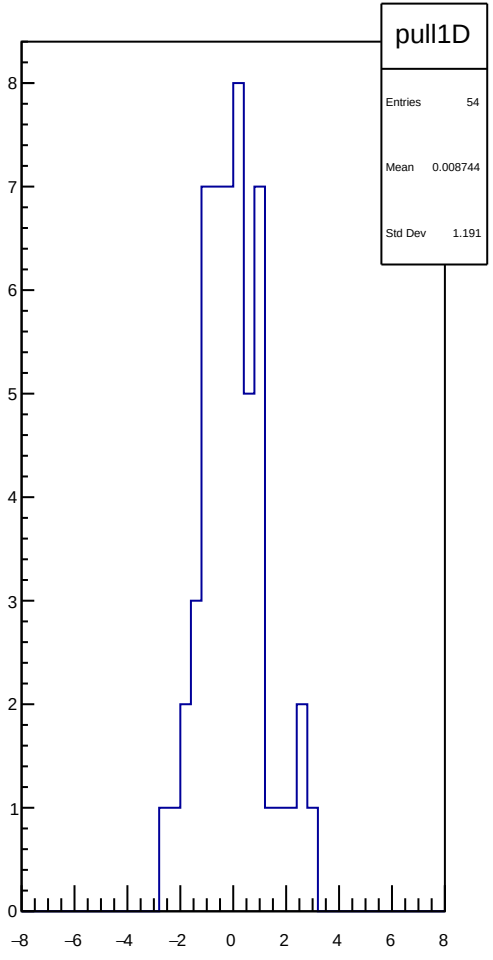

pull1D
Entries 54
Mean 0.008744
Std Dev 1.191

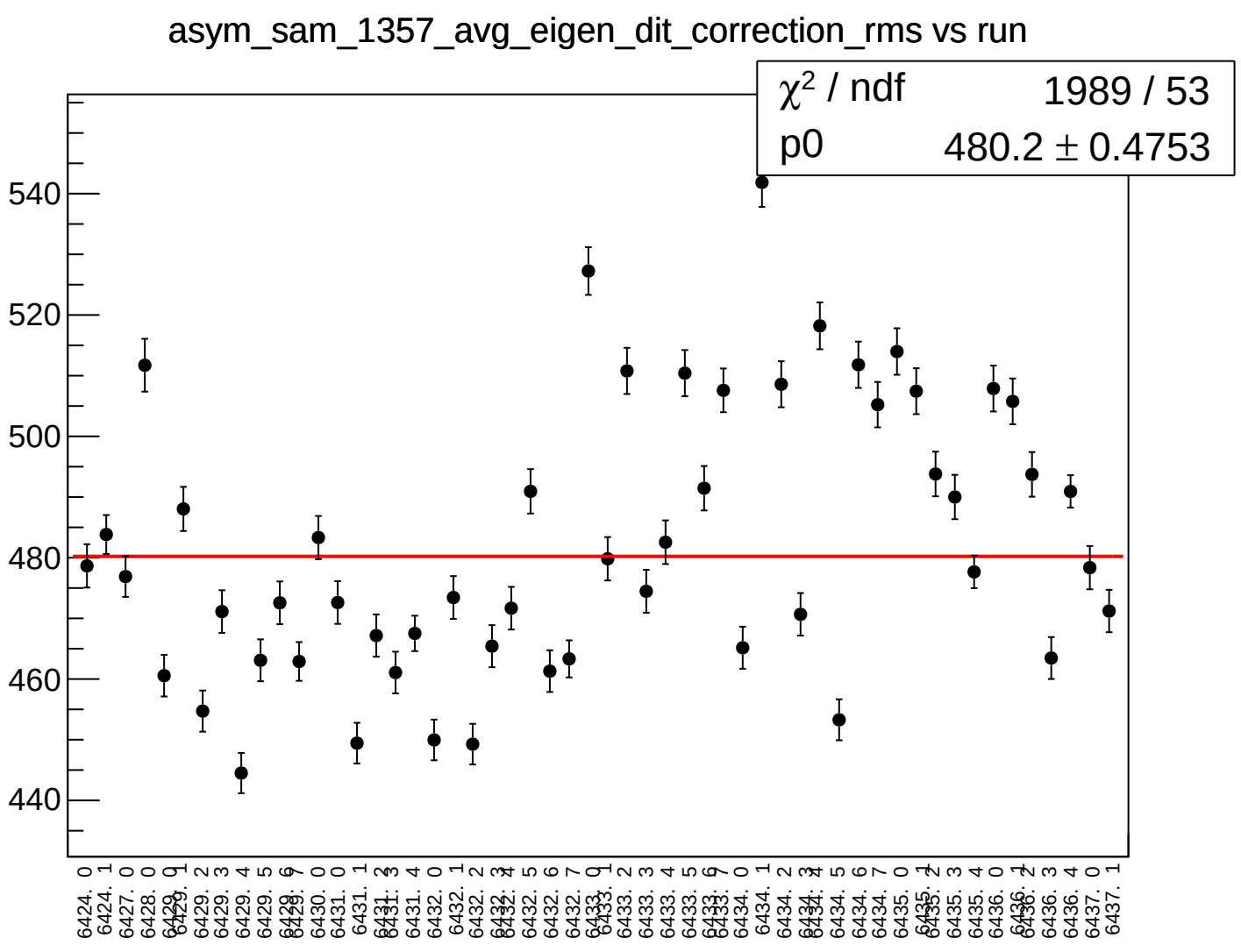

asym_sam_1357_avg_dit_correction_rms vs run
χ^2 / ndf 1989 / 53
p0 480.2 ± 0.4753
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

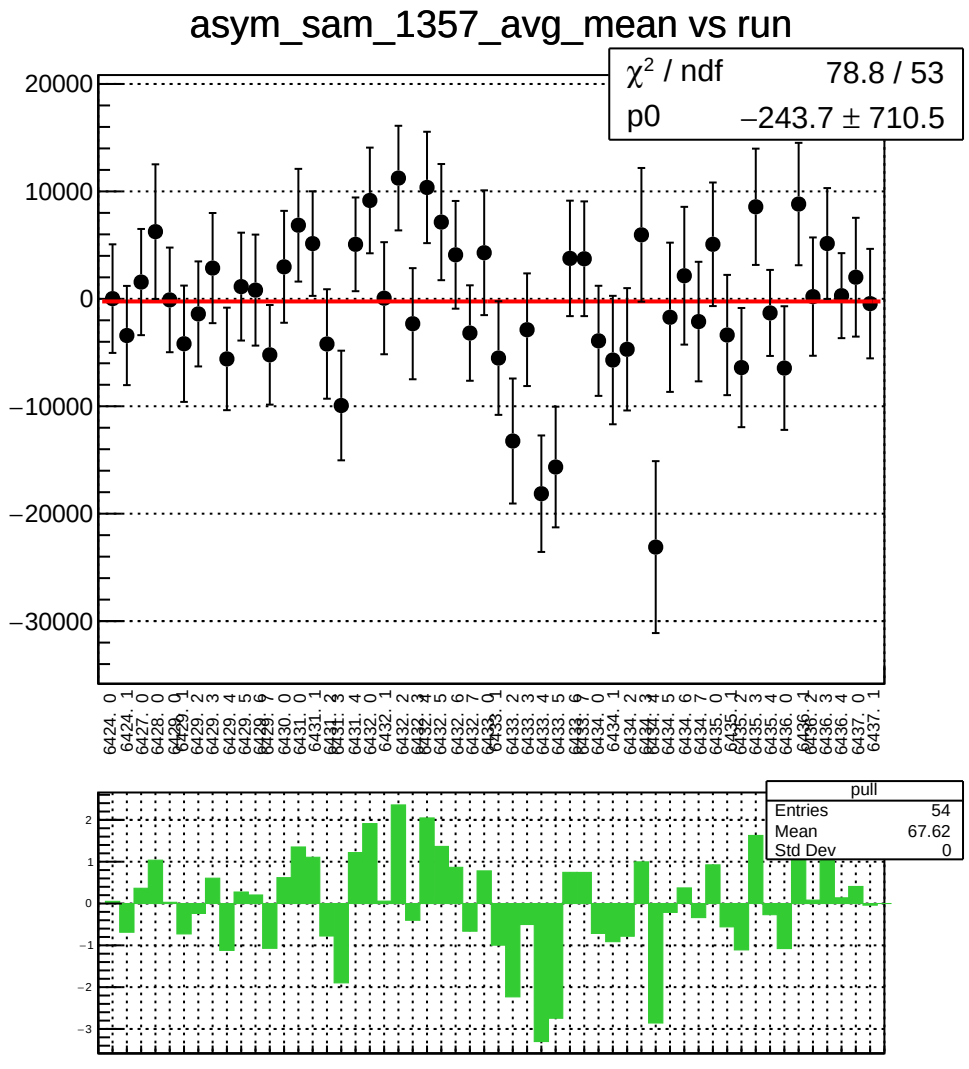

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 71.49 / 53
p0 4.142 ± 76.61
pull
Entries 54
Mean 36.67
Std Dev 0
pull1D
Entries 54
Mean −0.07021
Std Dev 1.148

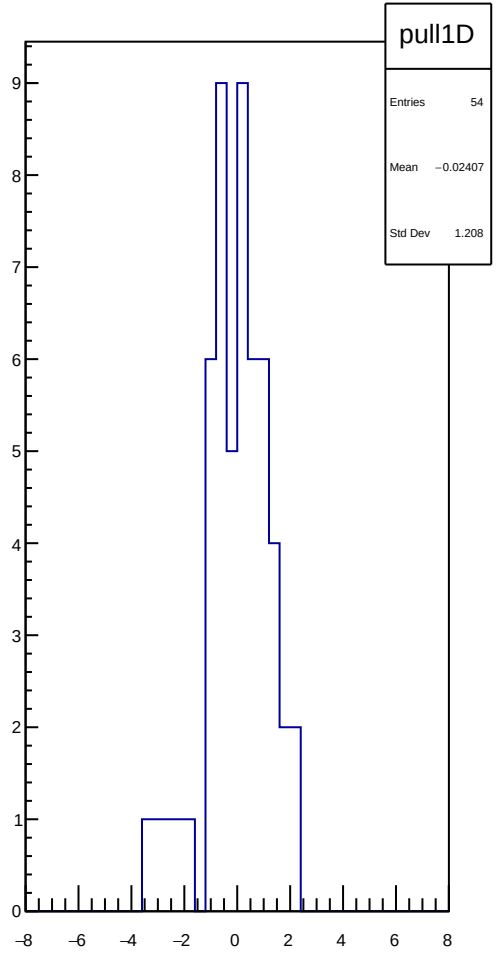

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.308e+04 / 53
p0 53.61 ± 0.05417
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

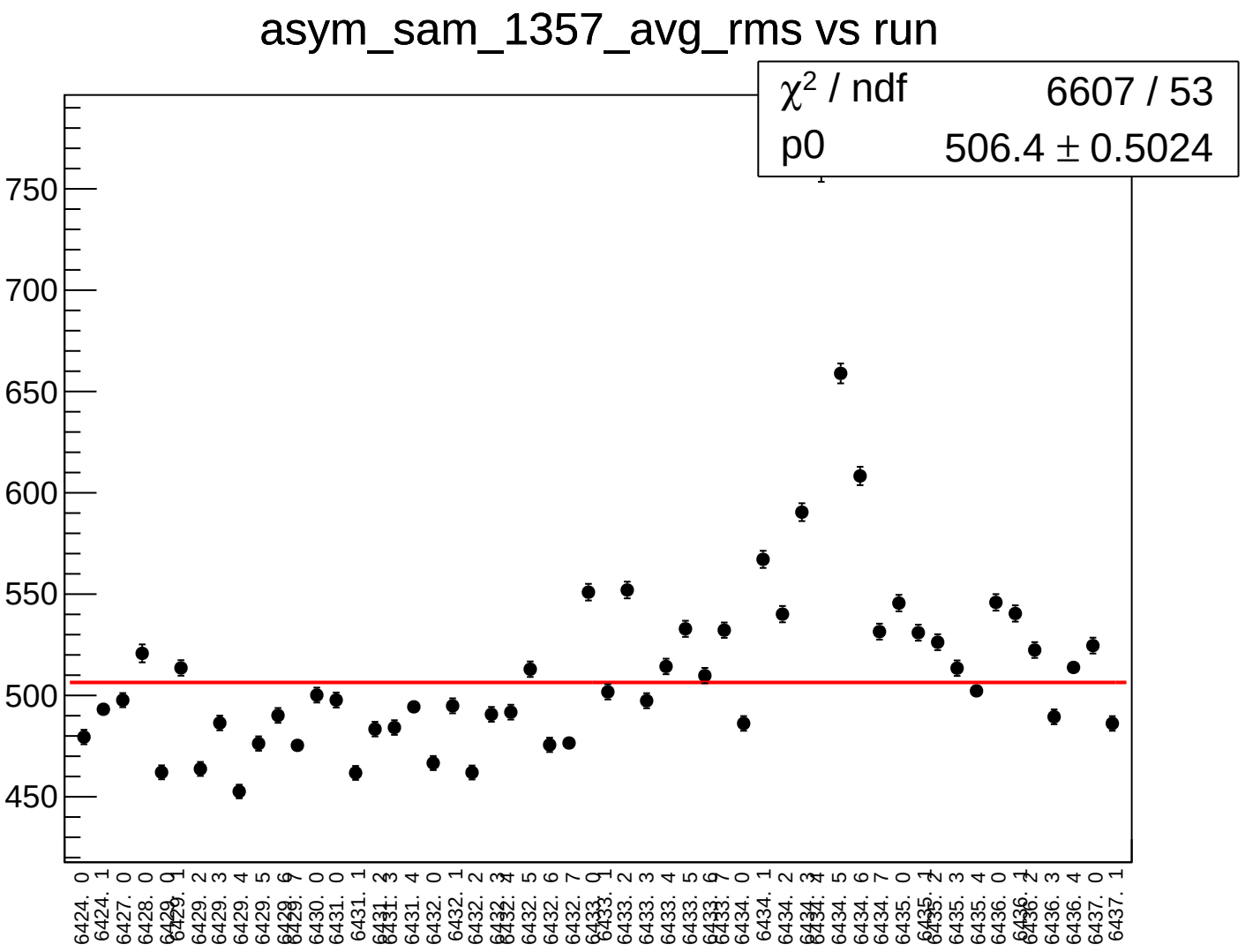

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.54 / 53
p0 295.1 ± 672.2
pull
Entries 54
Mean 131.9
Std Dev 0


pull1D
Entries 54
Mean 0.008744
Std Dev 1.191


asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 1989 / 53
p0 480.2 ± 0.4753
540
520
500
480
460
440
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1357_avg_mean vs run
χ² / ndf 78.8 / 53
p0 −243.7 ± 710.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 67.62
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.02407
Std Dev 1.208
9
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 6607 / 53
p0 506.4 ± 0.5024
750
700
650
600
550
500
450
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
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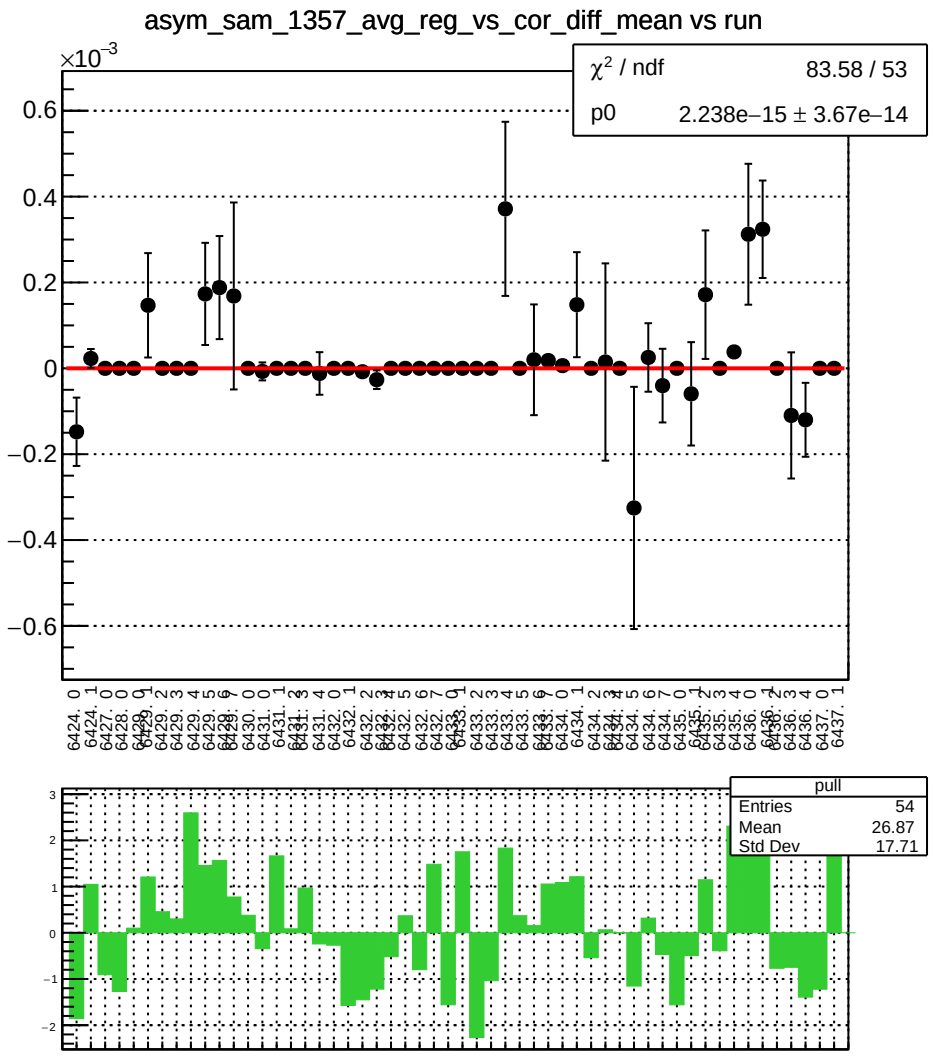
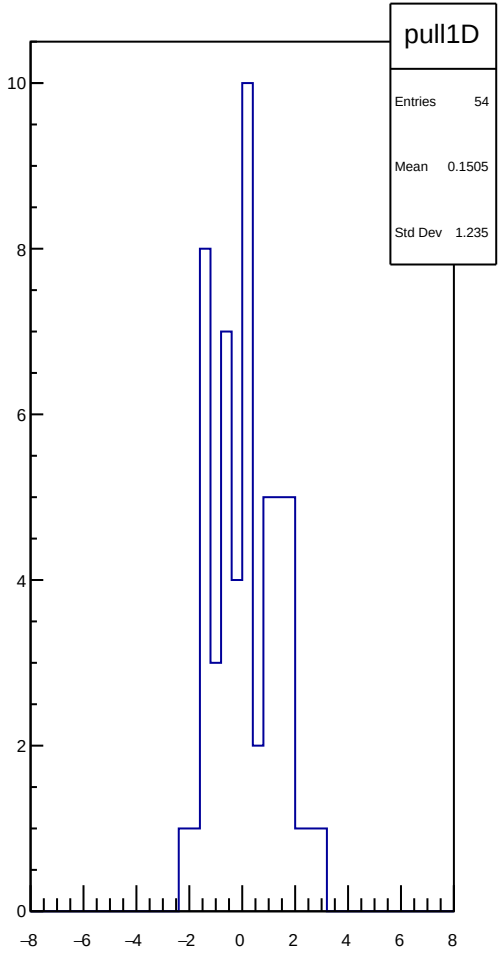
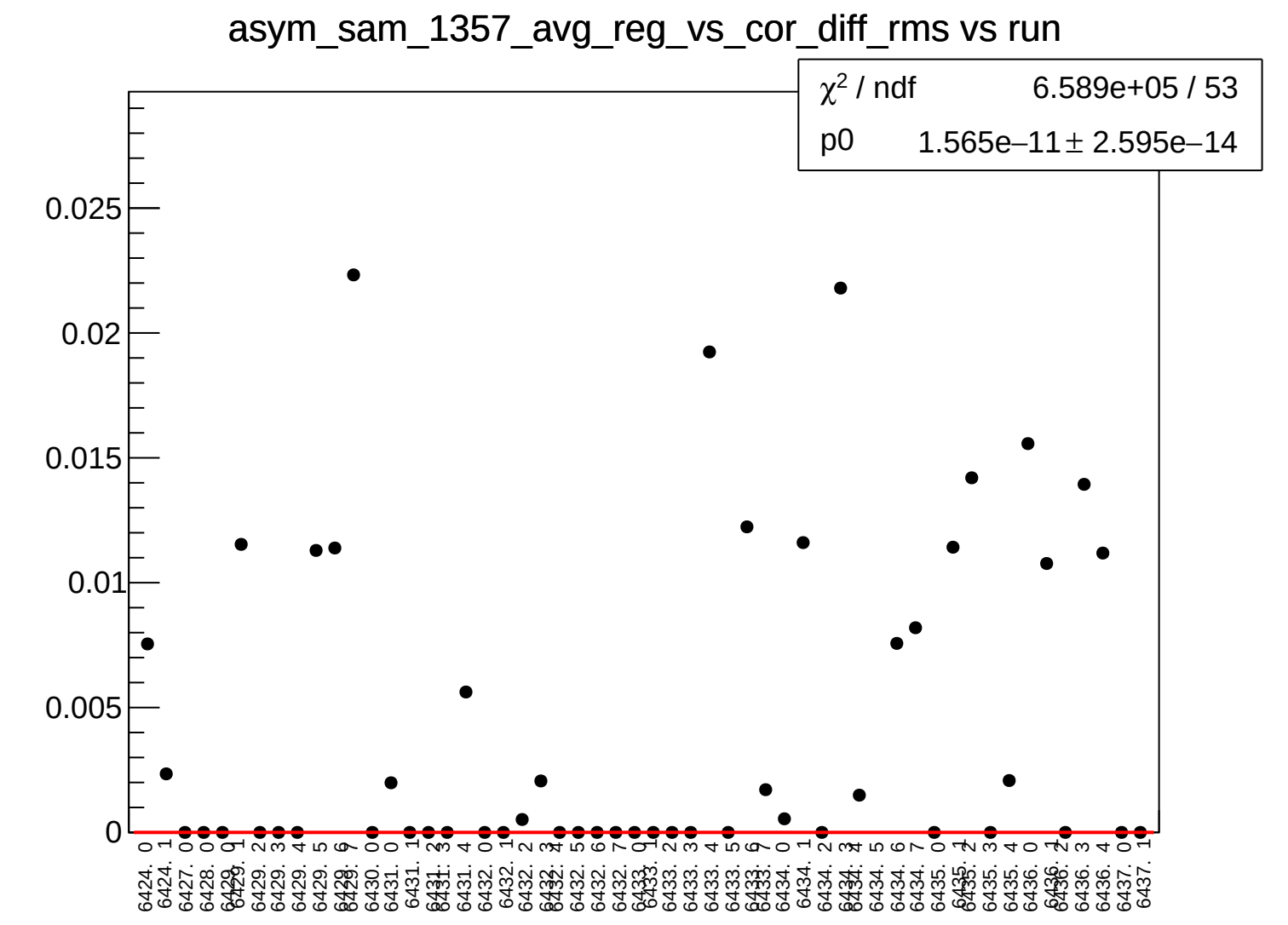
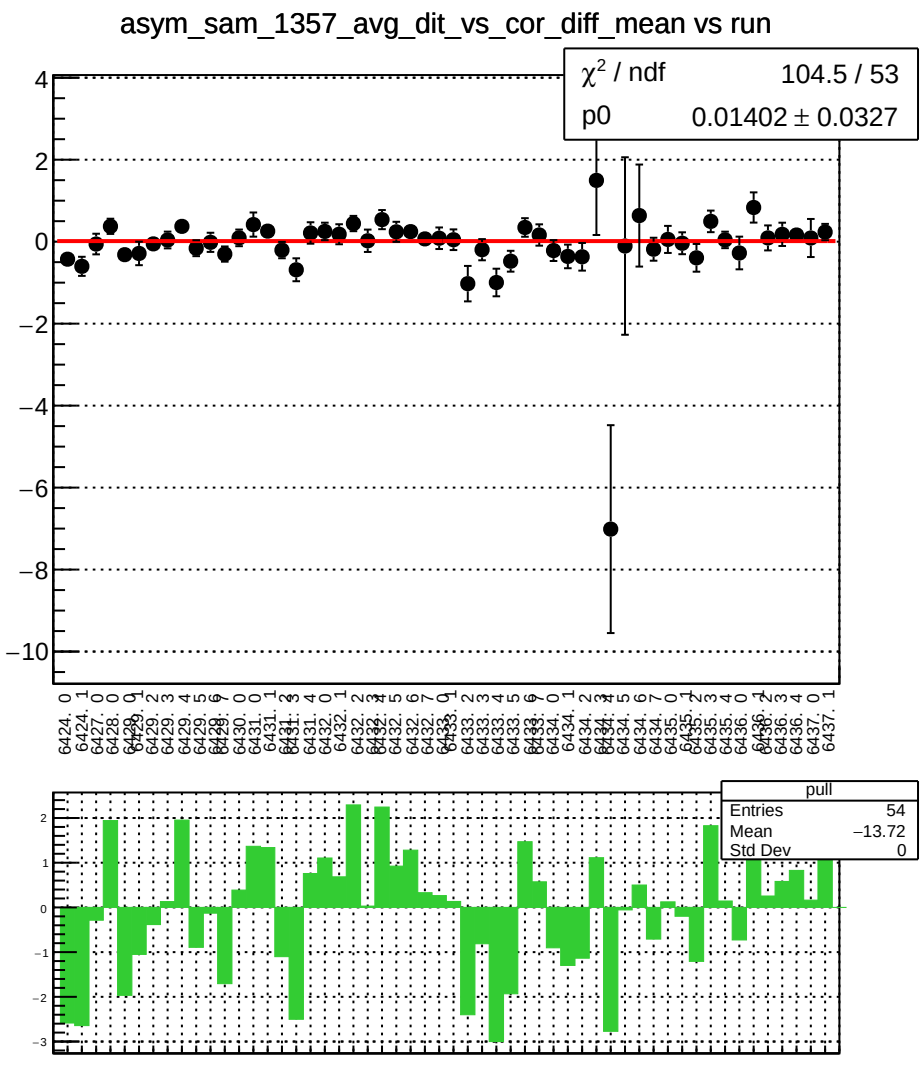
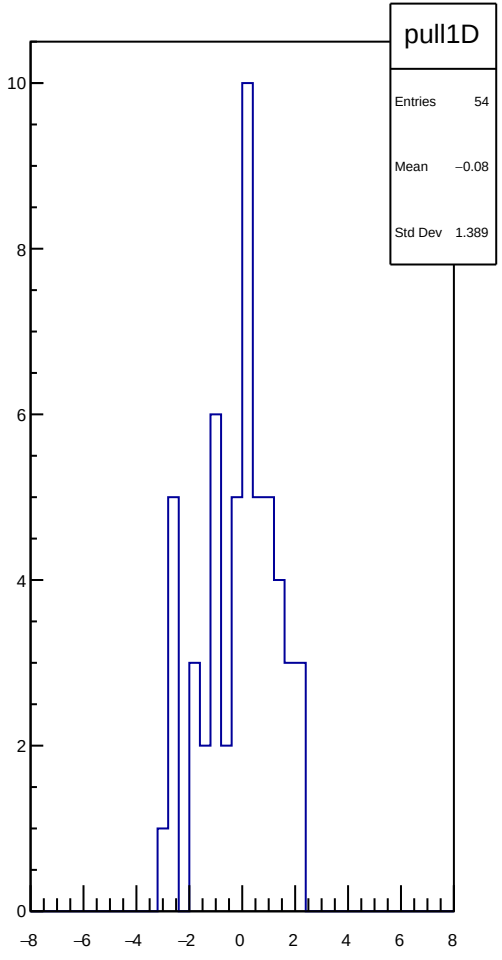
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

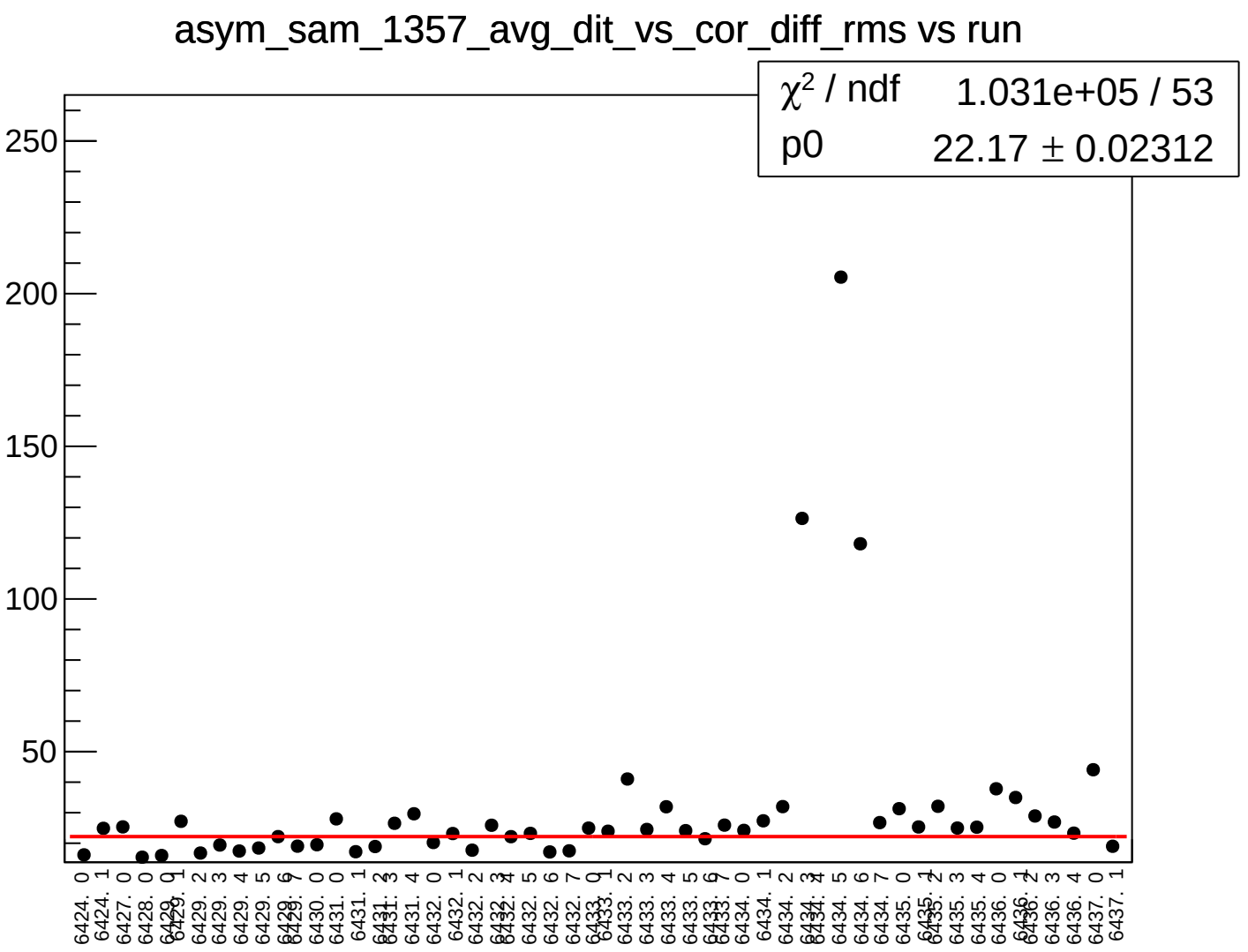

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 83.58 / 53
p0 2.238e−15 ± 3.67e−14
pull
Entries 54
Mean 26.87
Std Dev 17.71

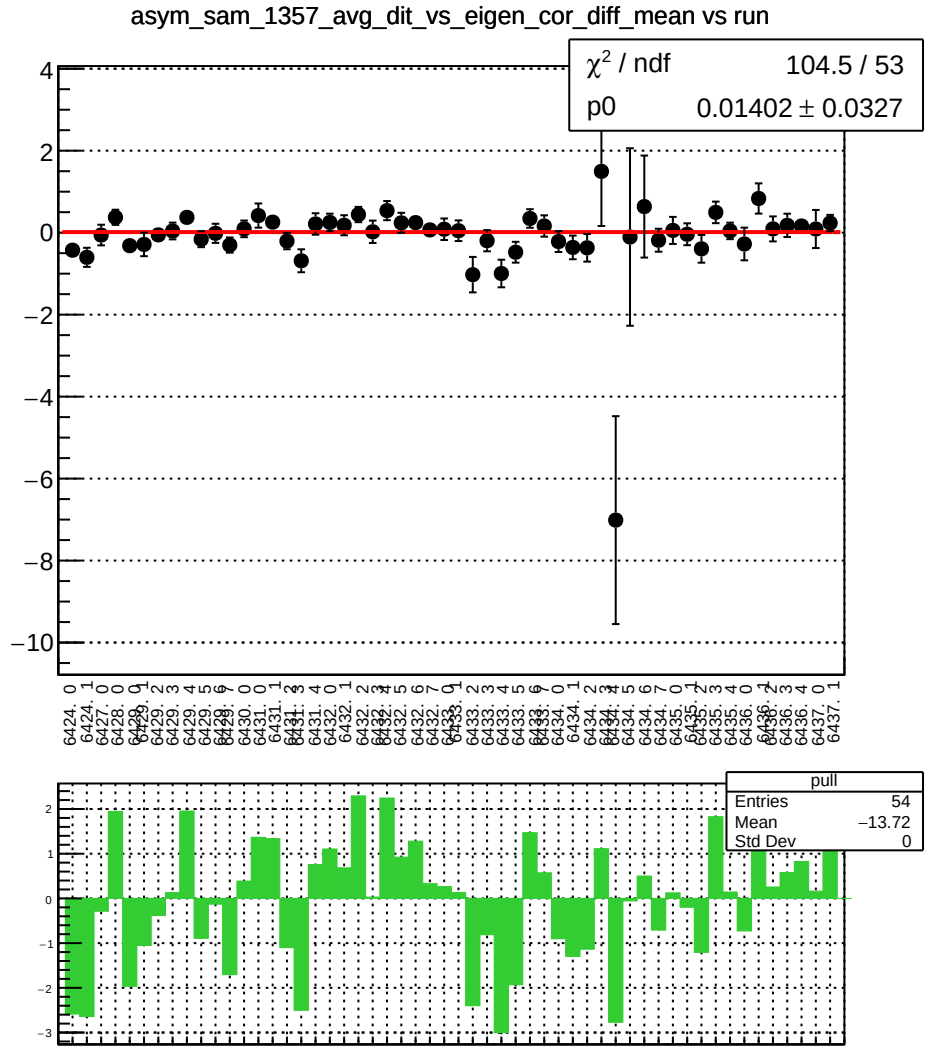

pull1D
Entries 54
Mean 0.1505
Std Dev 1.235

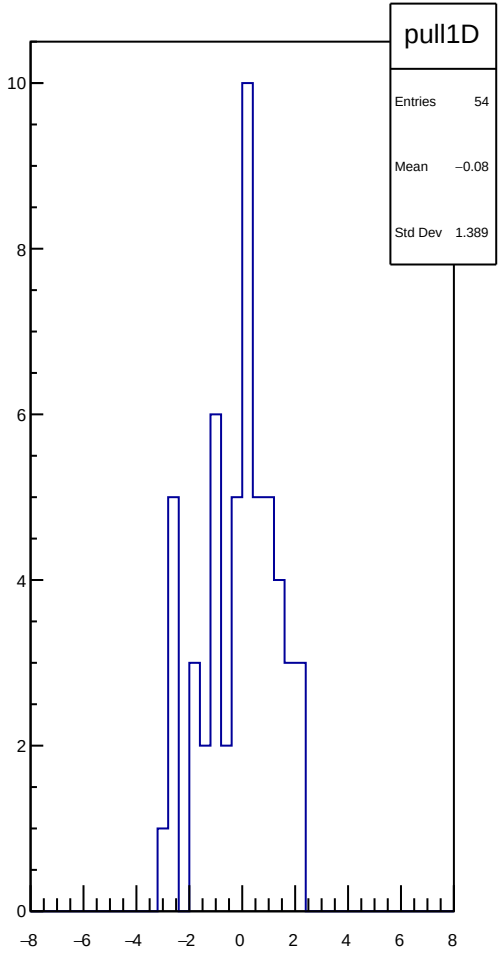

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.589e+05 / 53
p0 1.565e−11 ± 2.595e−14
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

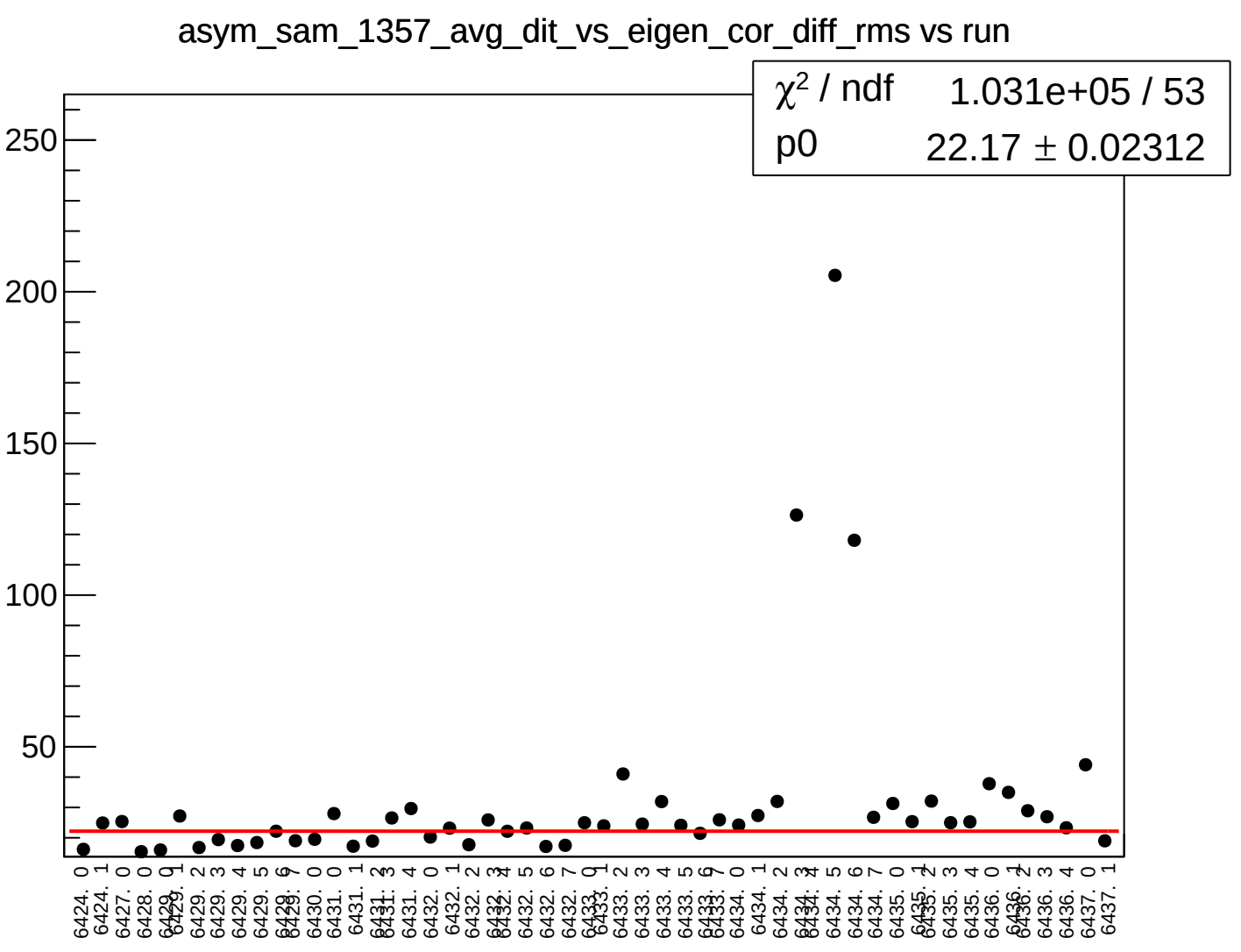

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 53
p0 0.01402 ± 0.0327
pull
Entries 54
Mean −13.72
Std Dev 0


pull1D
Entries 54
Mean −0.08
Std Dev 1.389


asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 22.17 ± 0.02312
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.5 / 53
p0 0.01402 ± 0.0327
pull
Entries 54
Mean −13.72
Std Dev 0


pull1D
Entries 54
Mean −0.08
Std Dev 1.389


asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 22.17 ± 0.02312
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
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6433. 5
6434. 0
6434. 1
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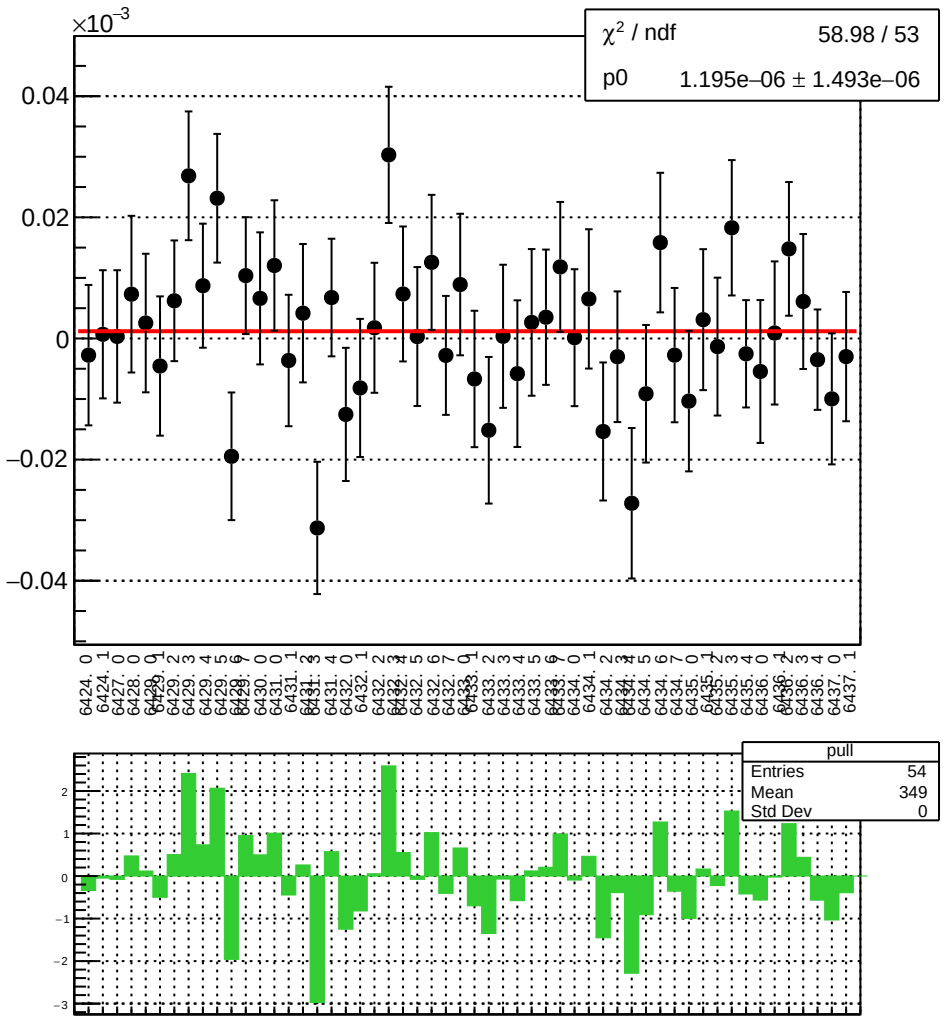
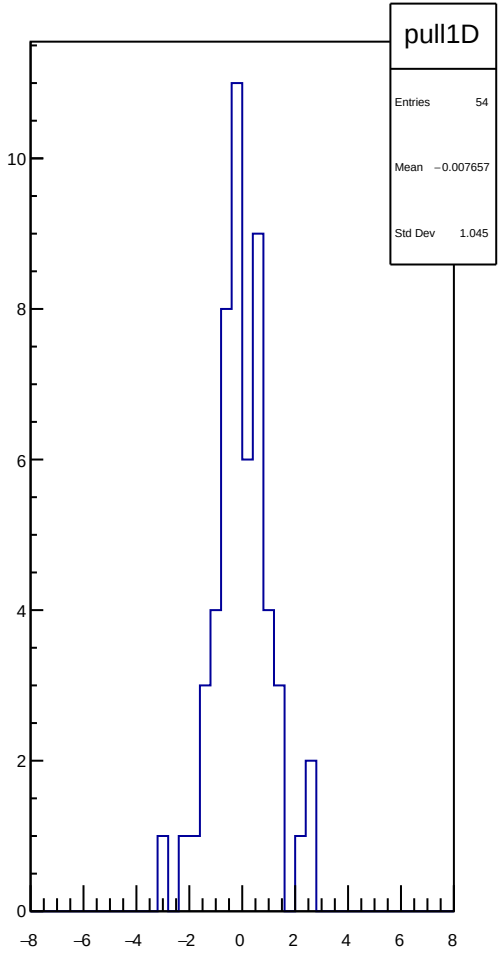
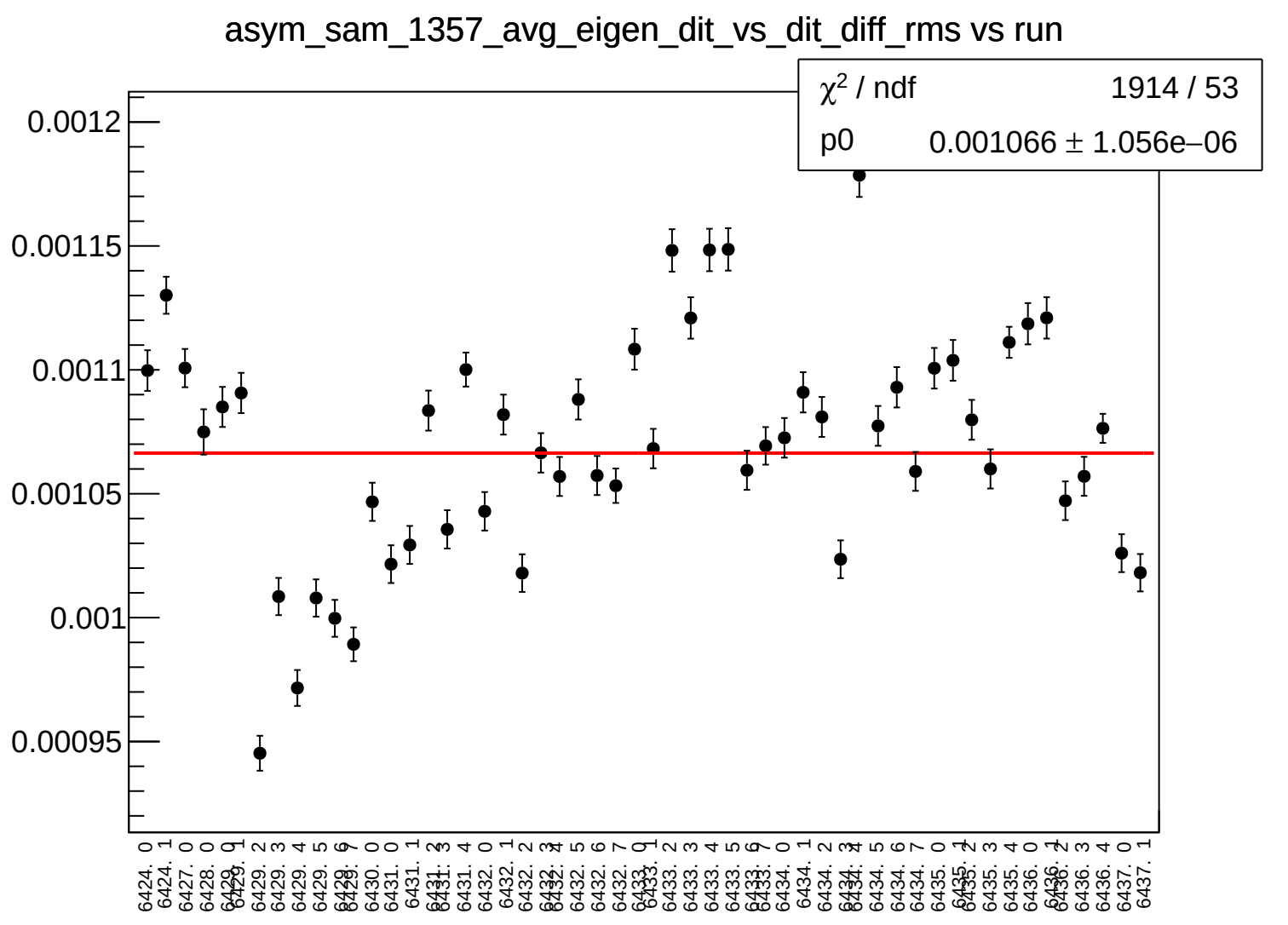
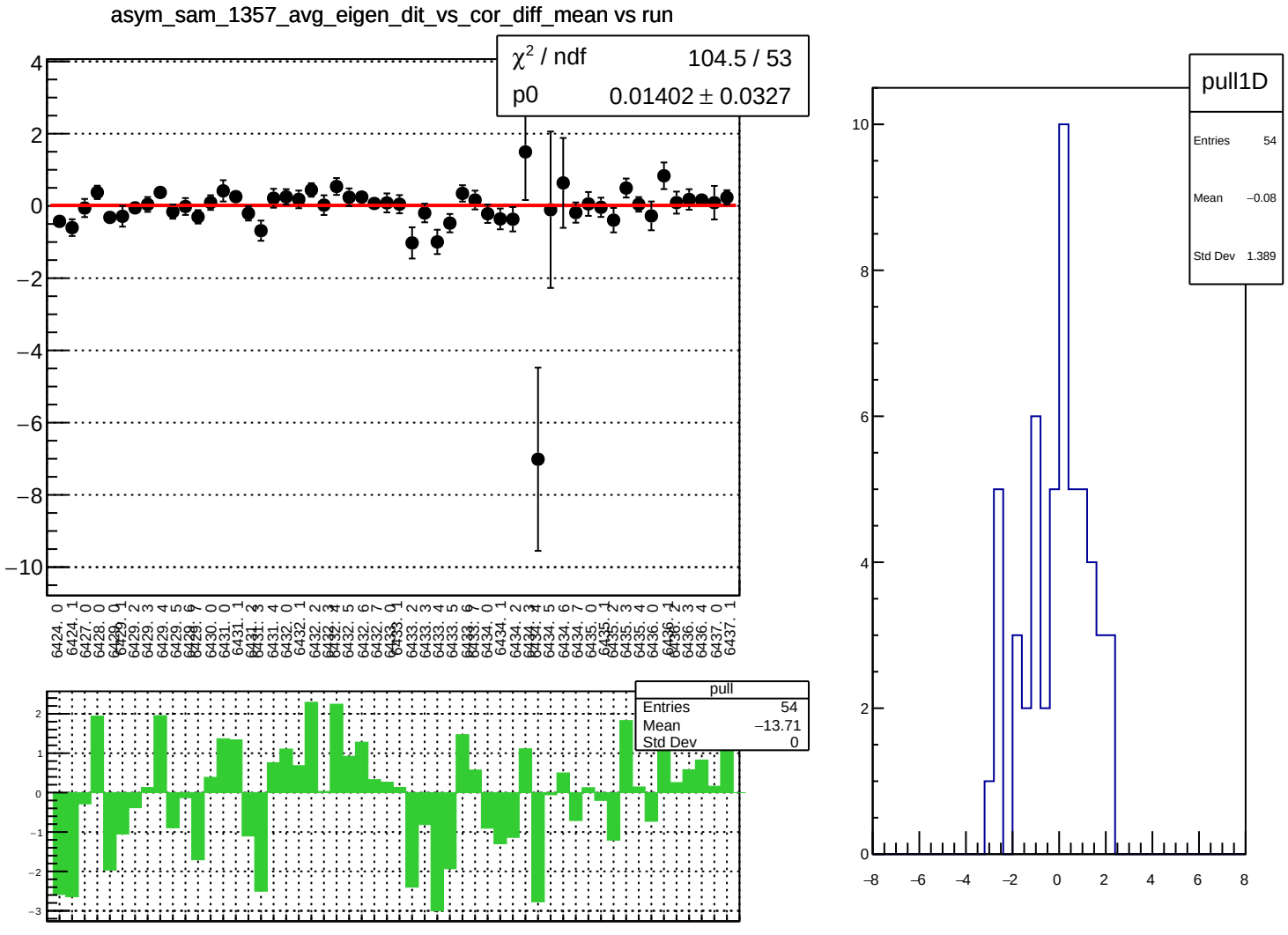
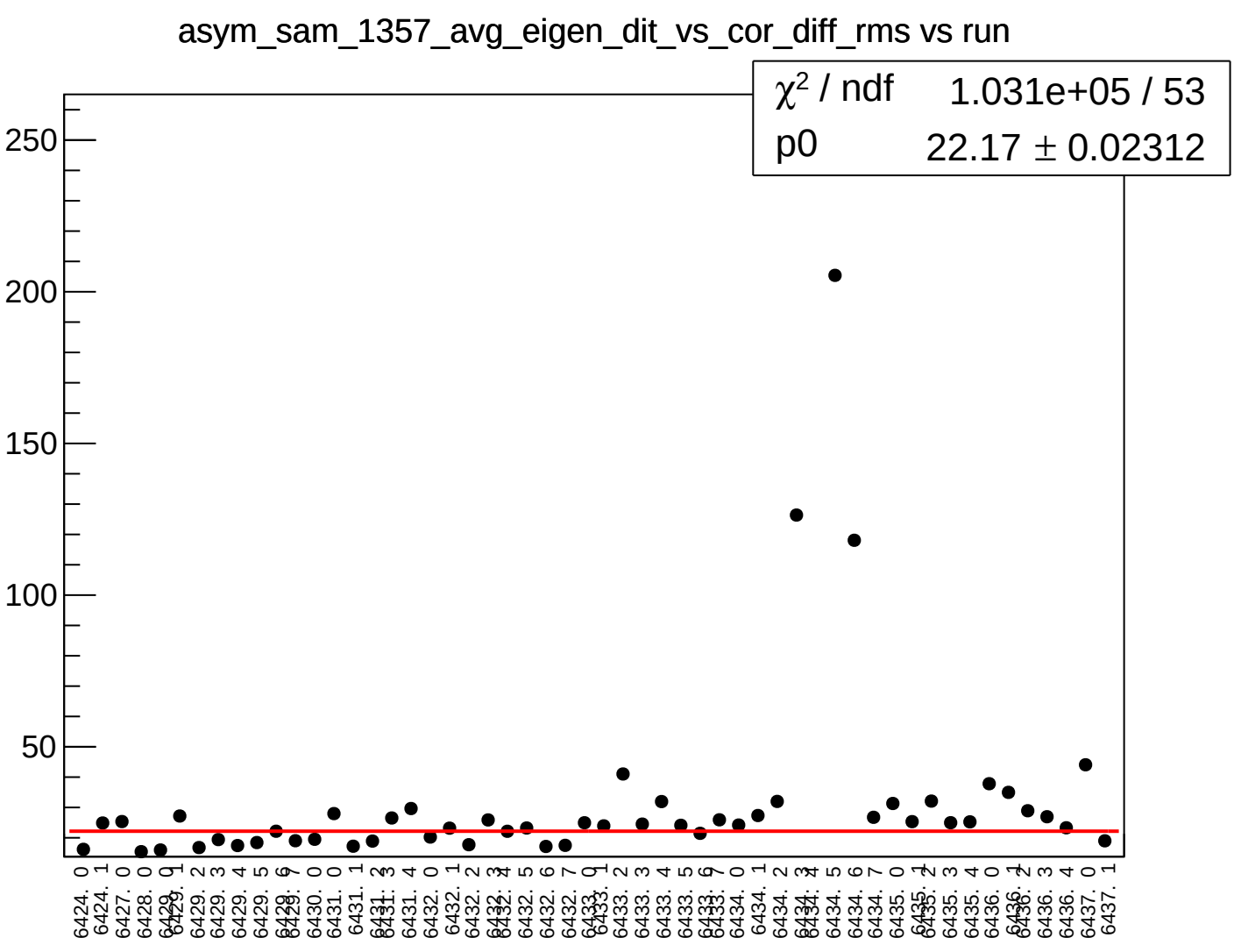
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

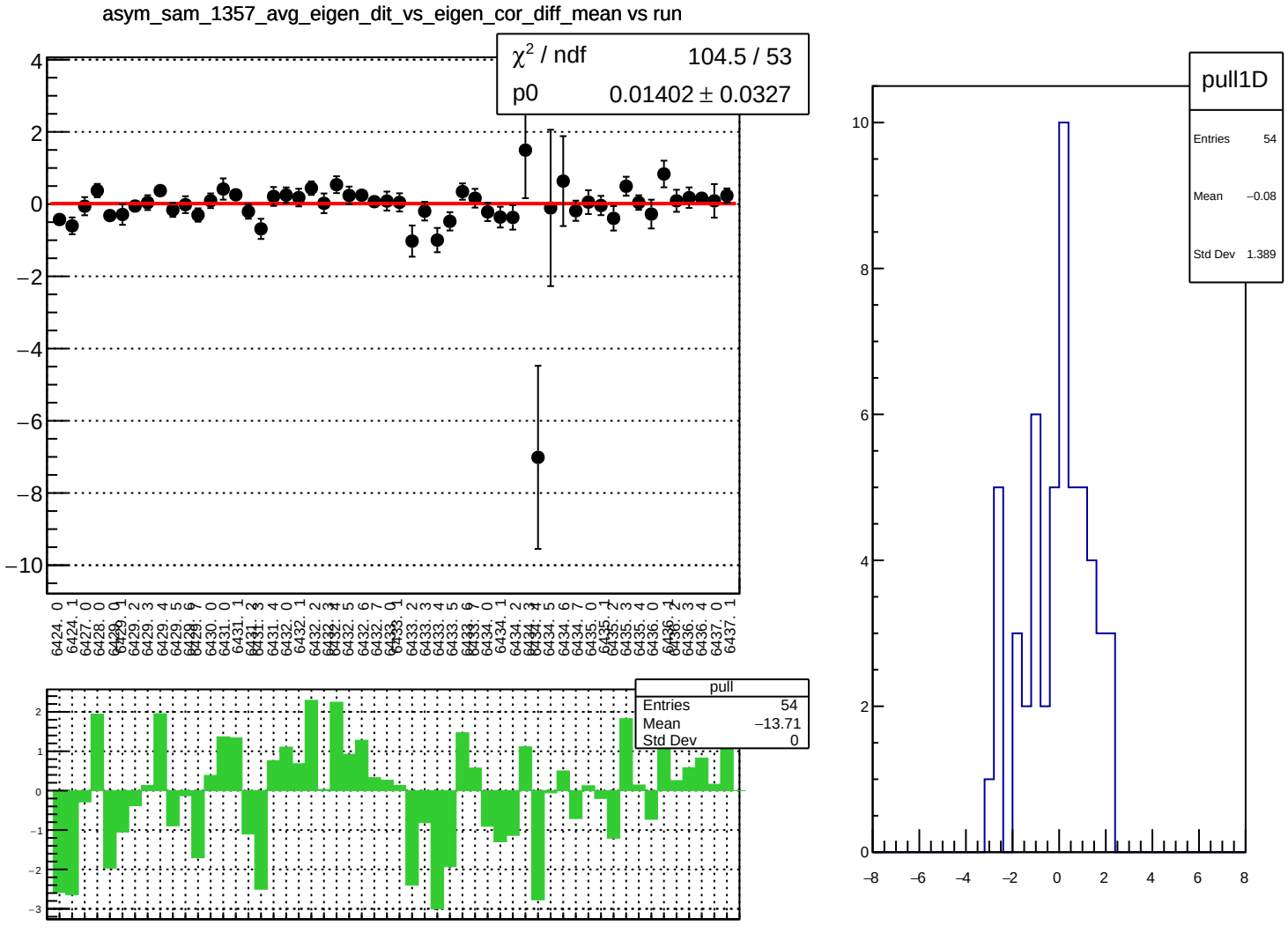

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.98 / 53
p0 1.195e−06 ± 1.493e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 54
Mean 349
Std Dev 0

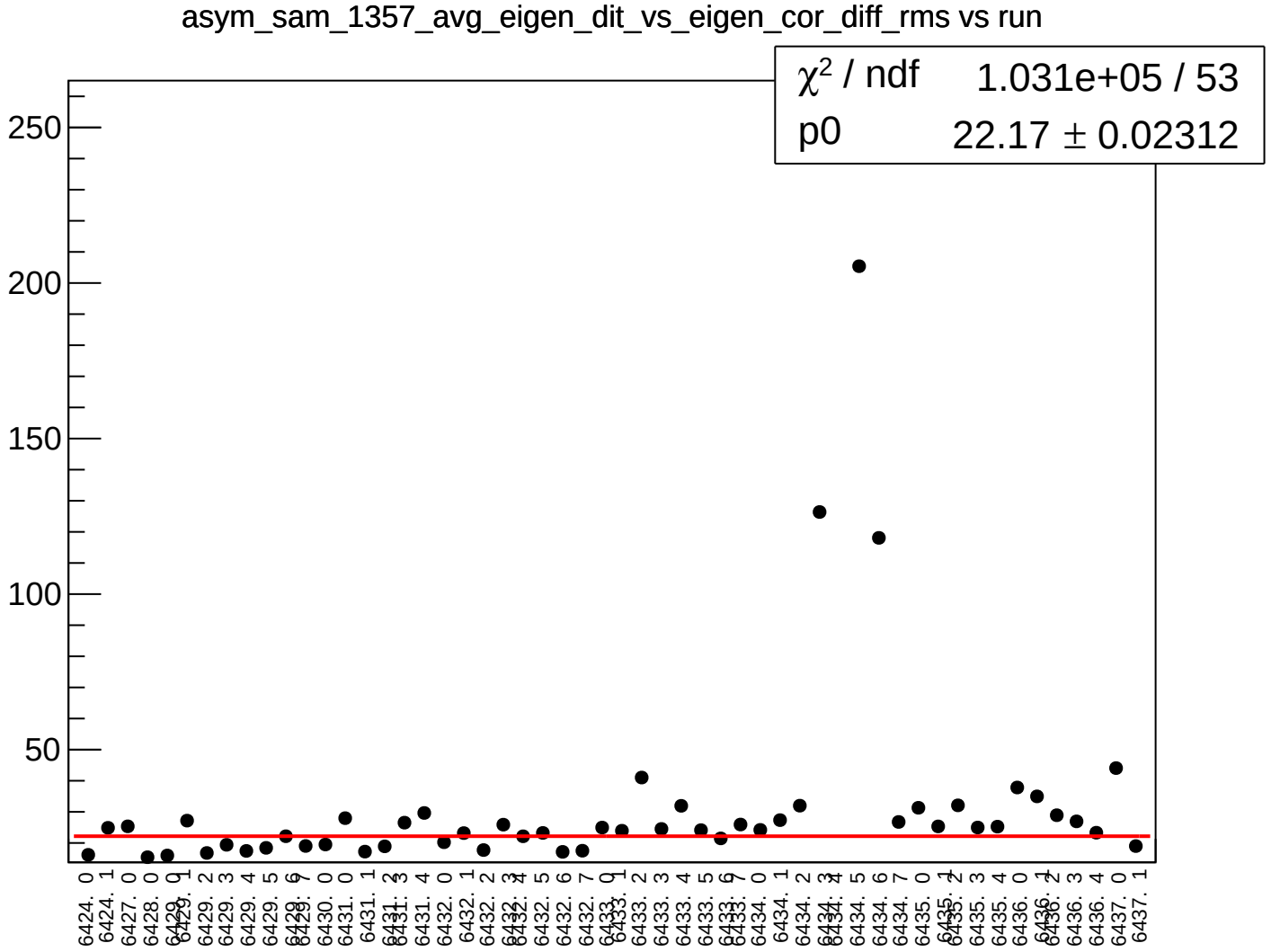

pull1D
Entries 54
Mean −0.007657
Std Dev 1.045

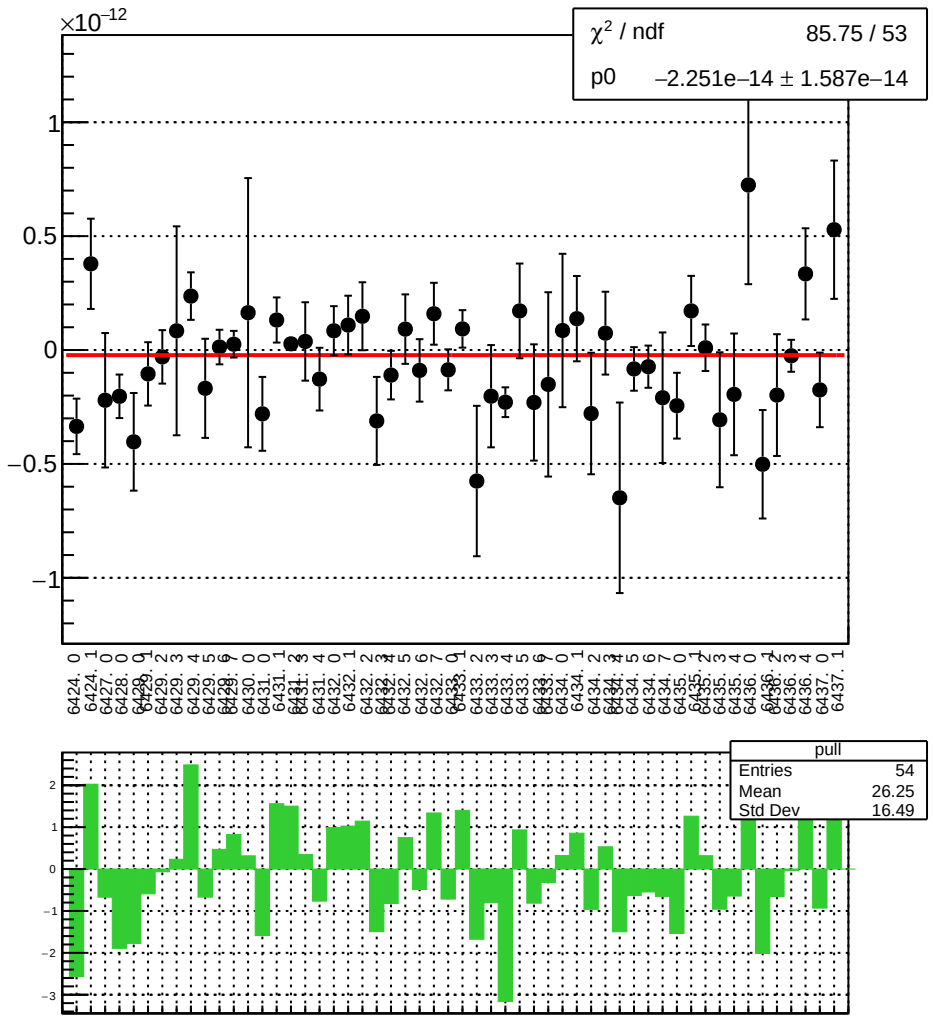

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1914 / 53
p0 0.001066 ± 1.056e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
6424. 0
6424. 1
6427. 0
6428. 0
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

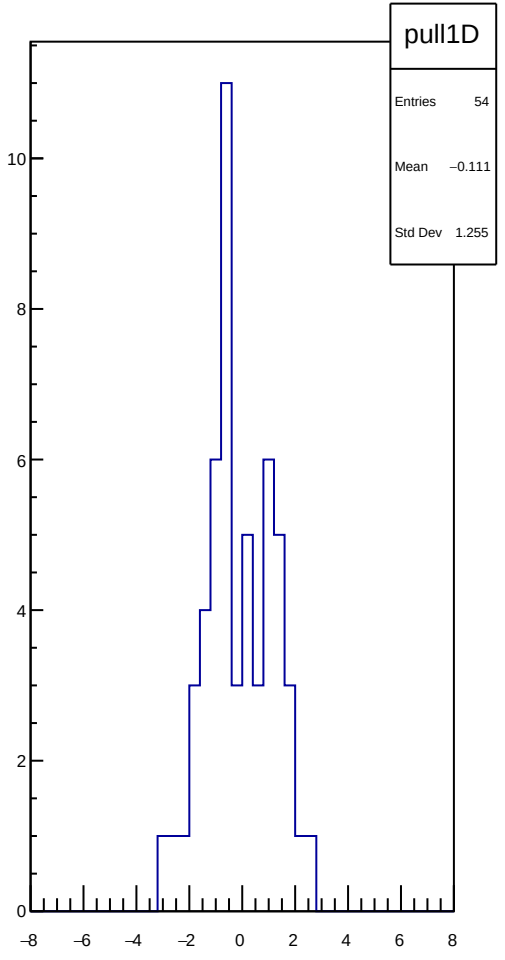

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 53
p0 0.01402 ± 0.0327
pull
Entries 54
Mean −13.71
Std Dev 0
pull1D
Entries 54
Mean −0.08
Std Dev 1.389

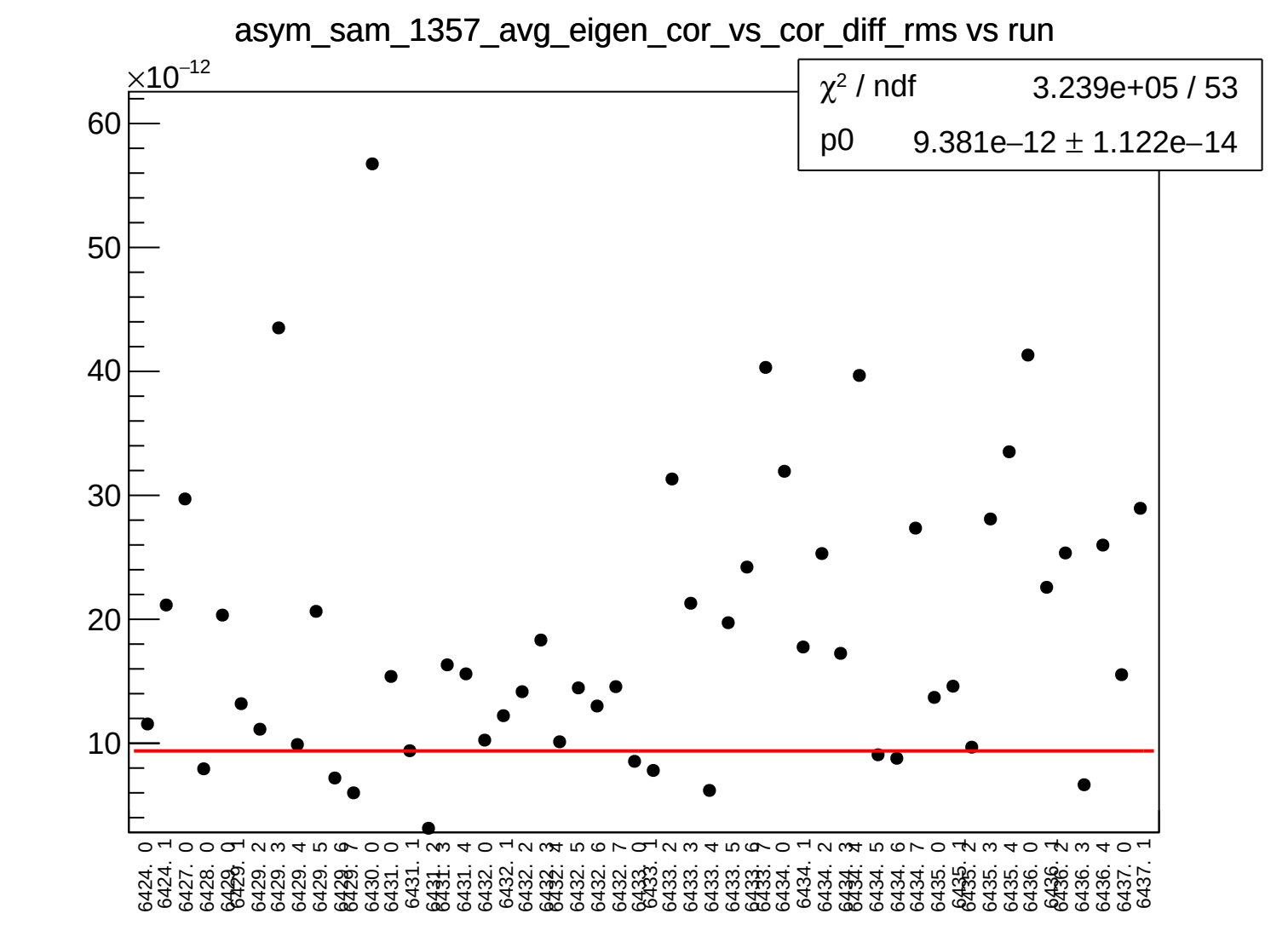

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 22.17 ± 0.02312
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

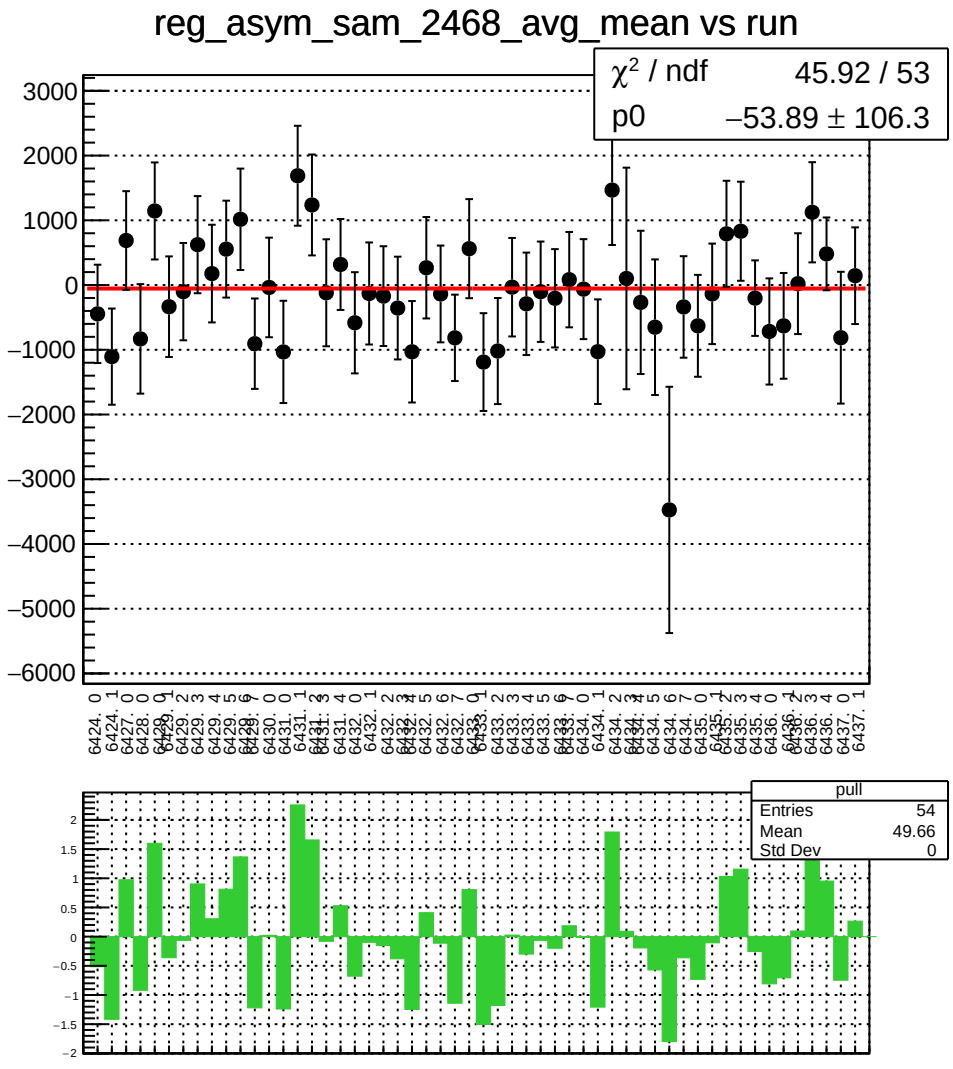

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.5 / 53
p0 0.01402 ± 0.0327
pull
Entries 54
Mean −13.71
Std Dev 0
pull1D
Entries 54
Mean −0.08
Std Dev 1.389

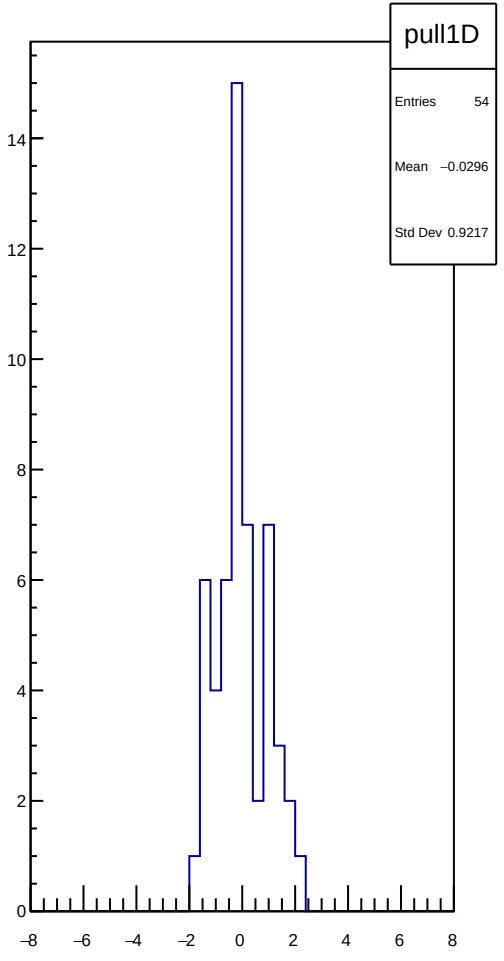

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+05 / 53
p0 22.17 ± 0.02312
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

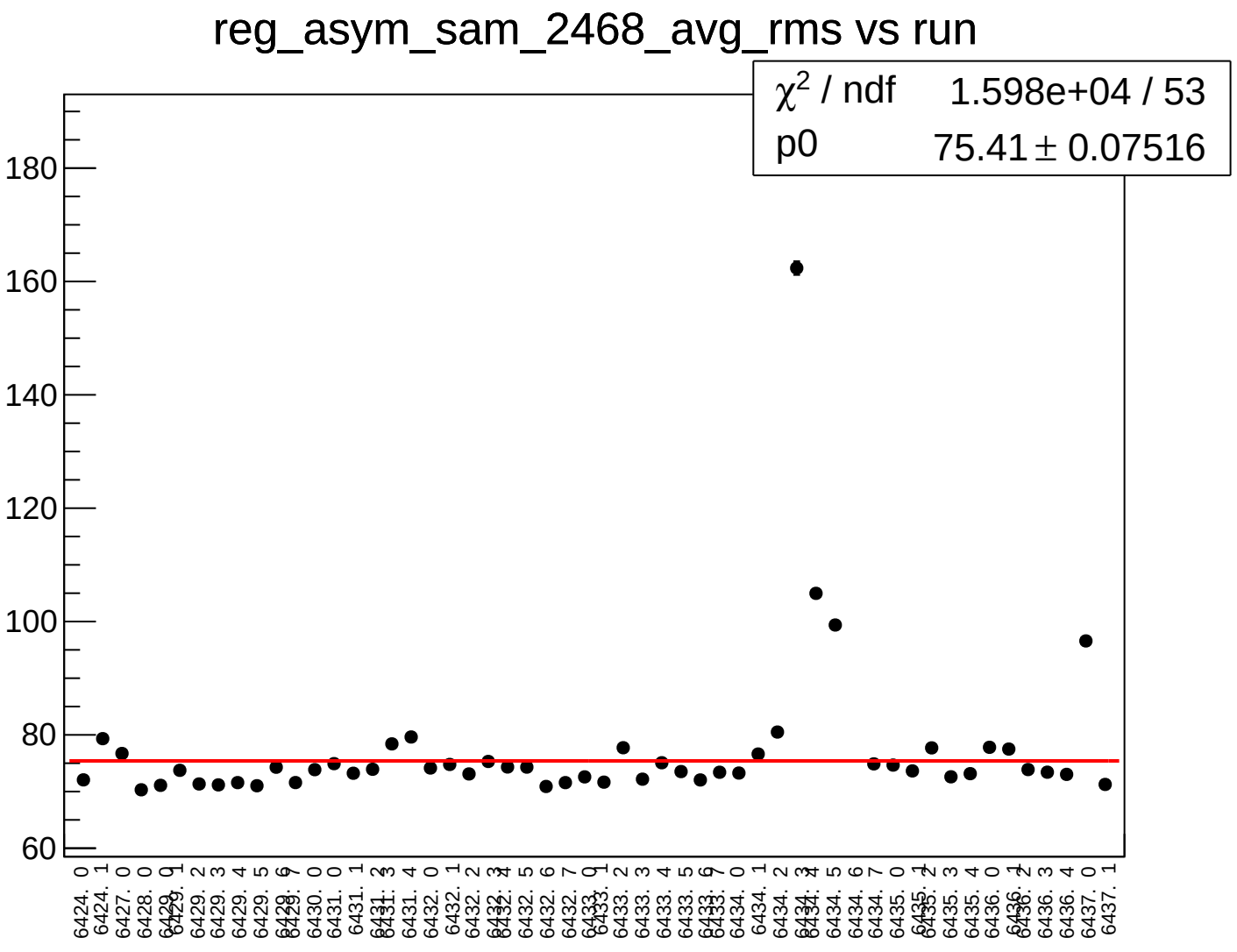

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.75 / 53
p0 −2.251e−14 ± 1.587e−14
pull
Entries 54
Mean 26.25
Std Dev 16.49

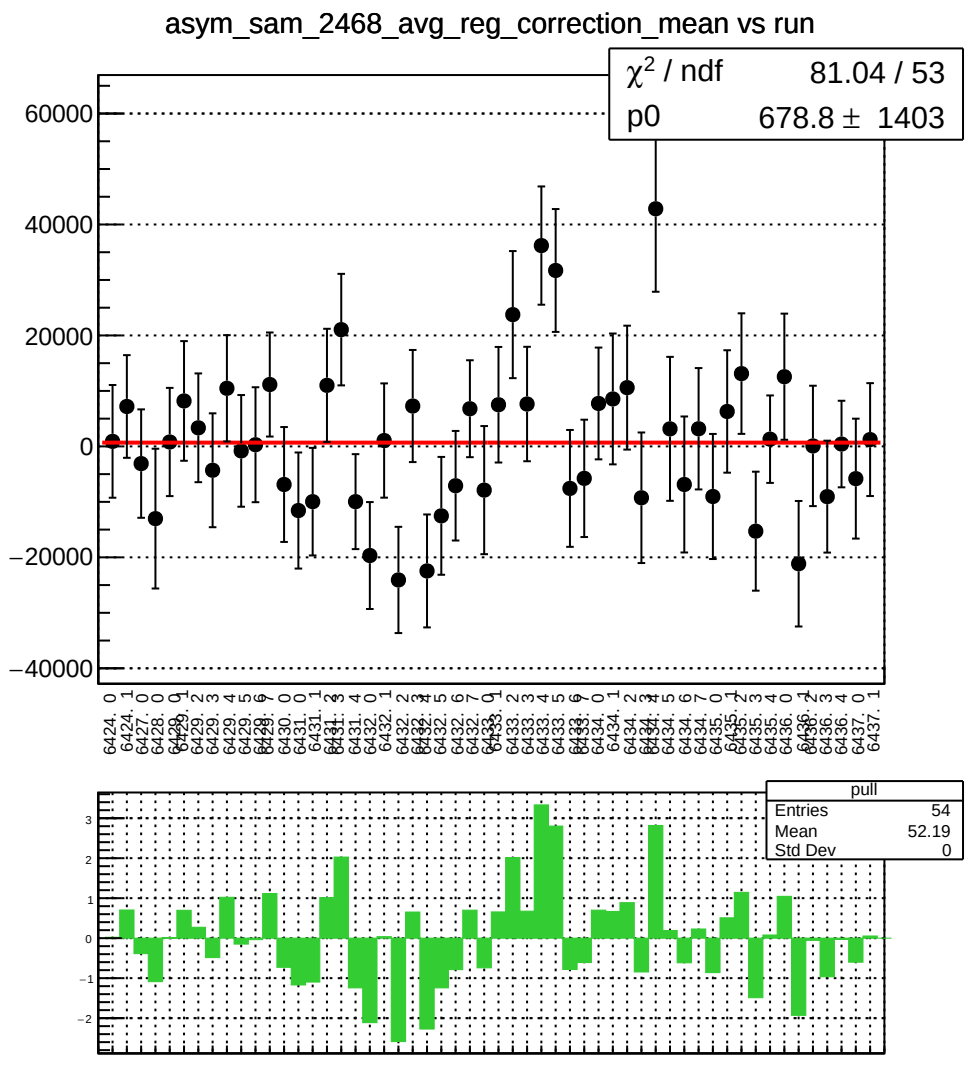

pull1D
Entries 54
Mean −0.111
Std Dev 1.255

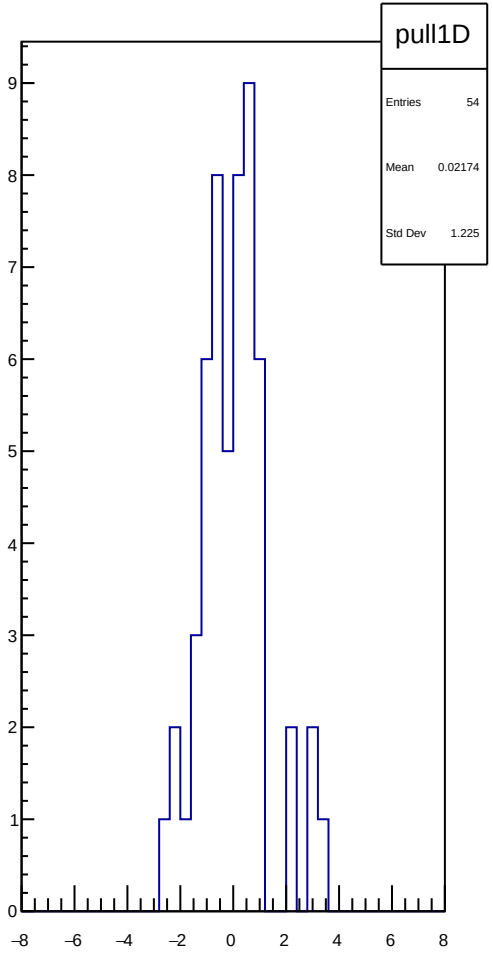

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.239e+05 / 53
p0 9.381e−12 ± 1.122e−14
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

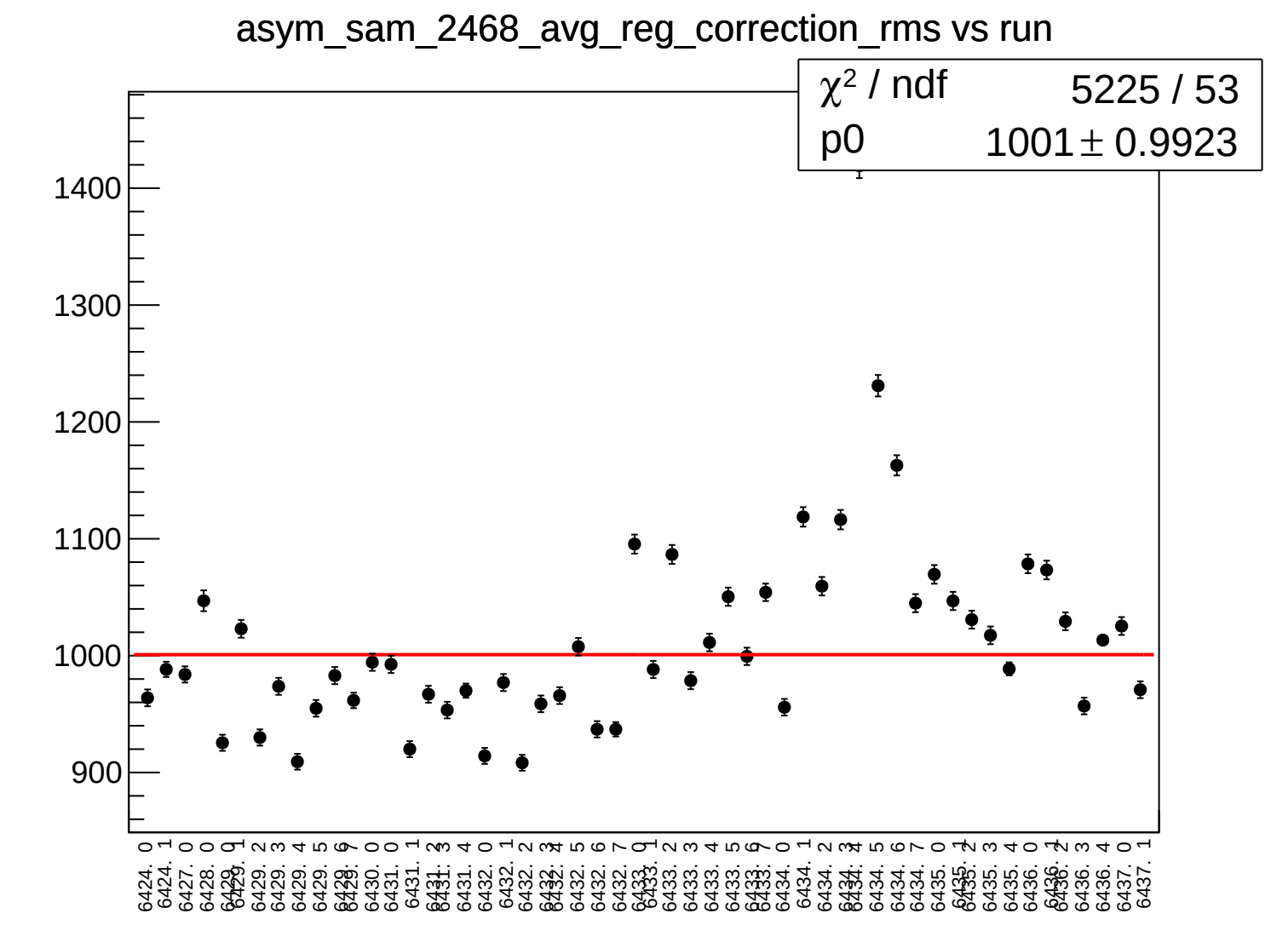

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 45.92 / 53
p0 −53.89 ± 106.3
pull
Entries 54
Mean 49.66
Std Dev 0

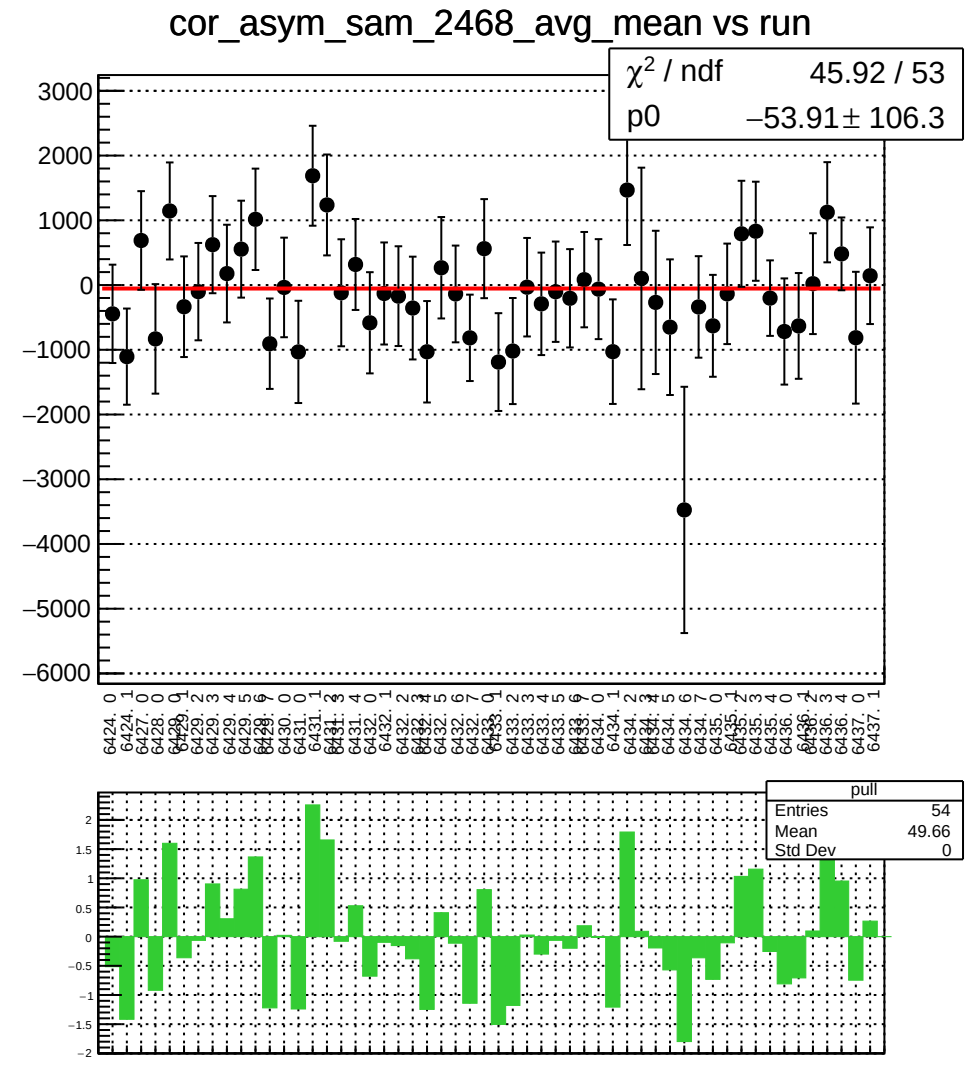

pull1D
Entries 54
Mean −0.0296
Std Dev 0.9217

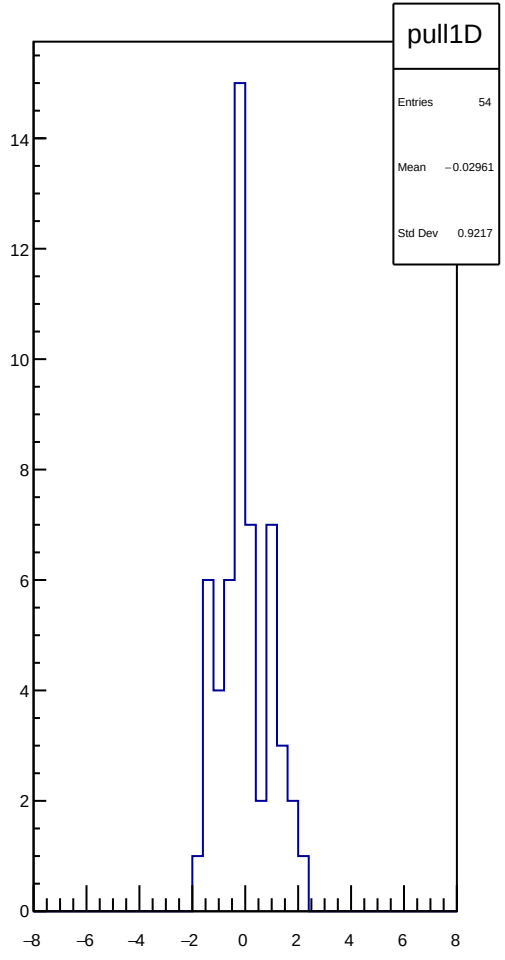

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.598e+04 / 53
p0 75.41 ± 0.07516
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

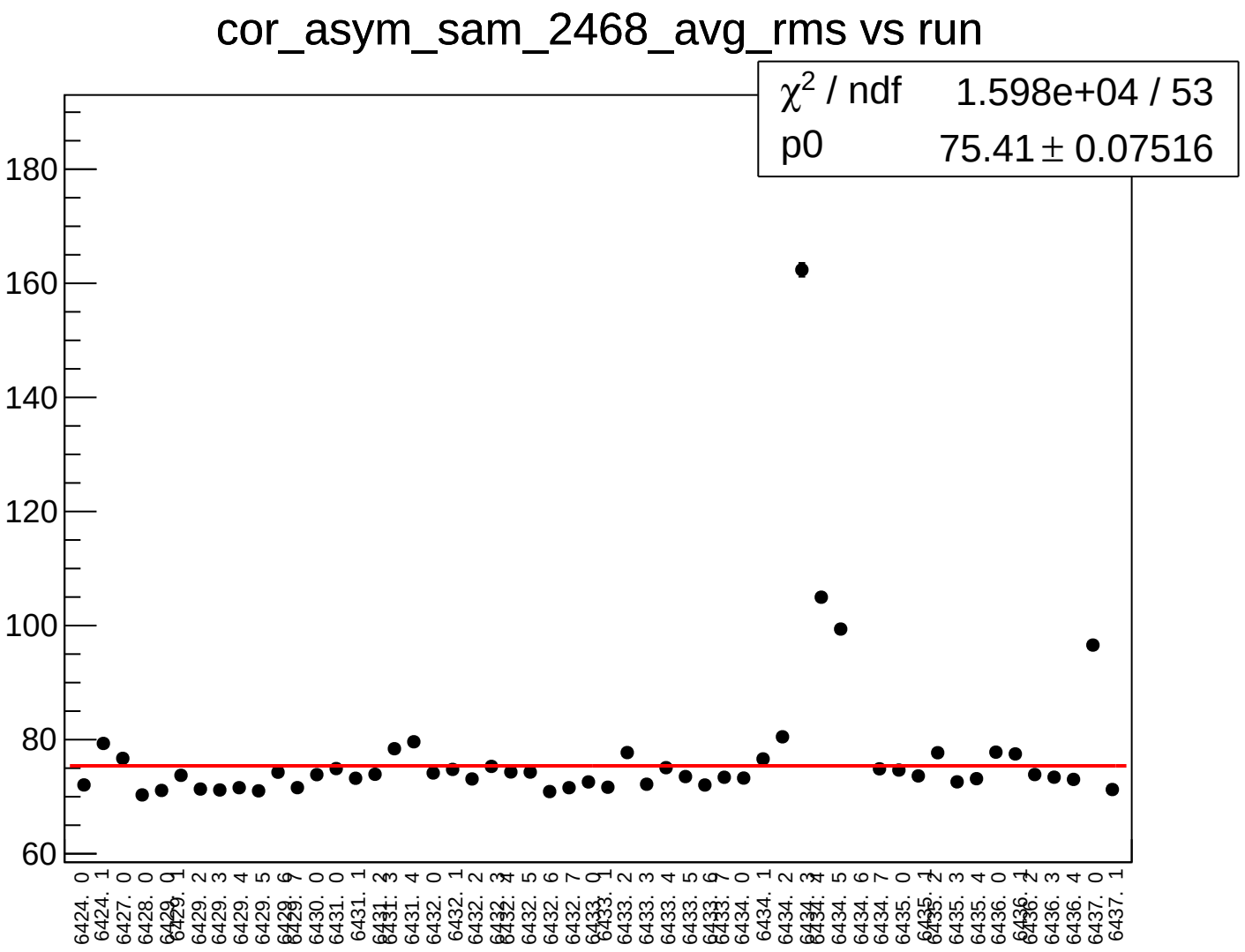

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 81.04 / 53
p0 678.8 ± 1403
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 52.19
Std Dev 0
3
2
1
0
−1
−2

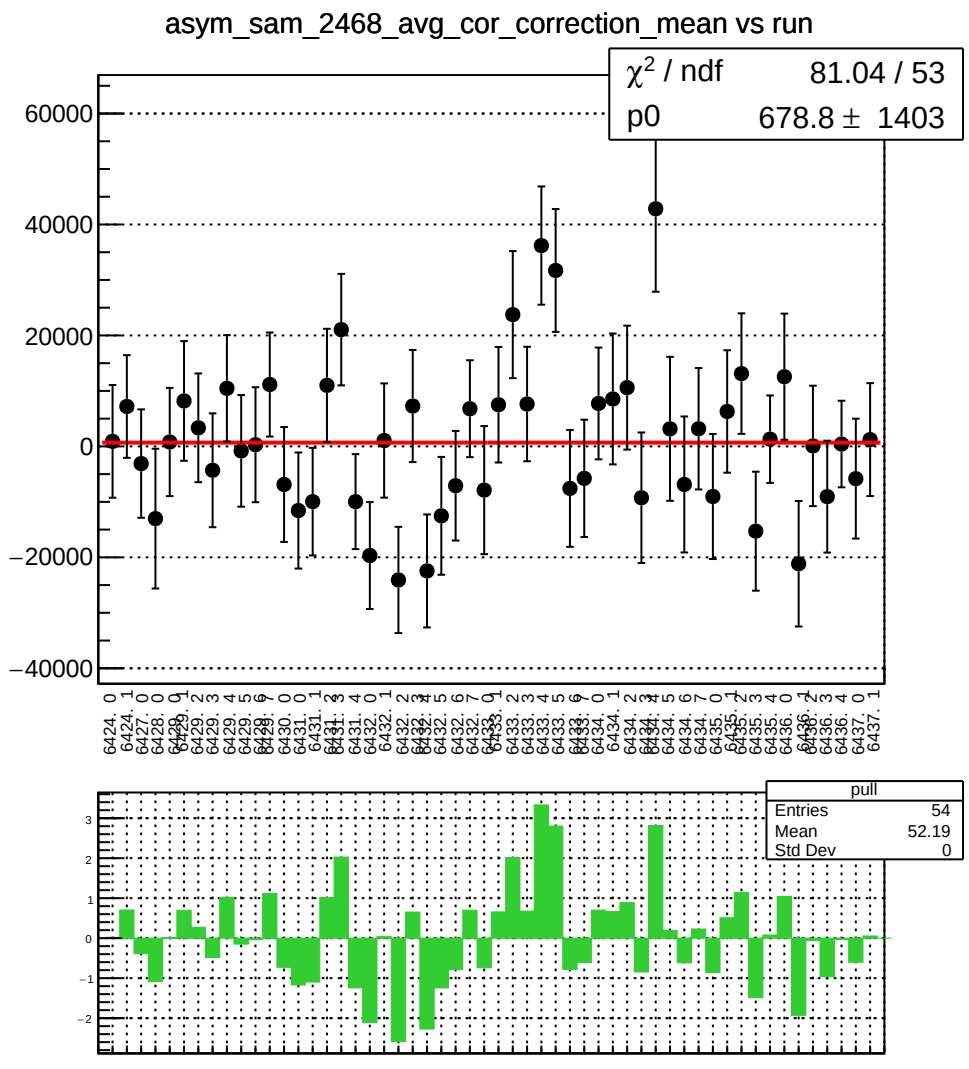

pull1D
Entries 54
Mean 0.02174
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

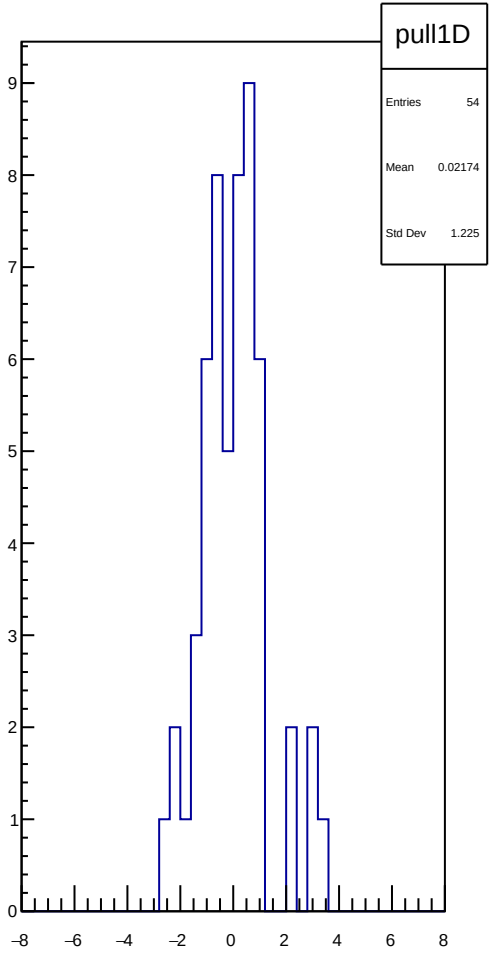

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 5225 / 53
p0 1001 ± 0.9923
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

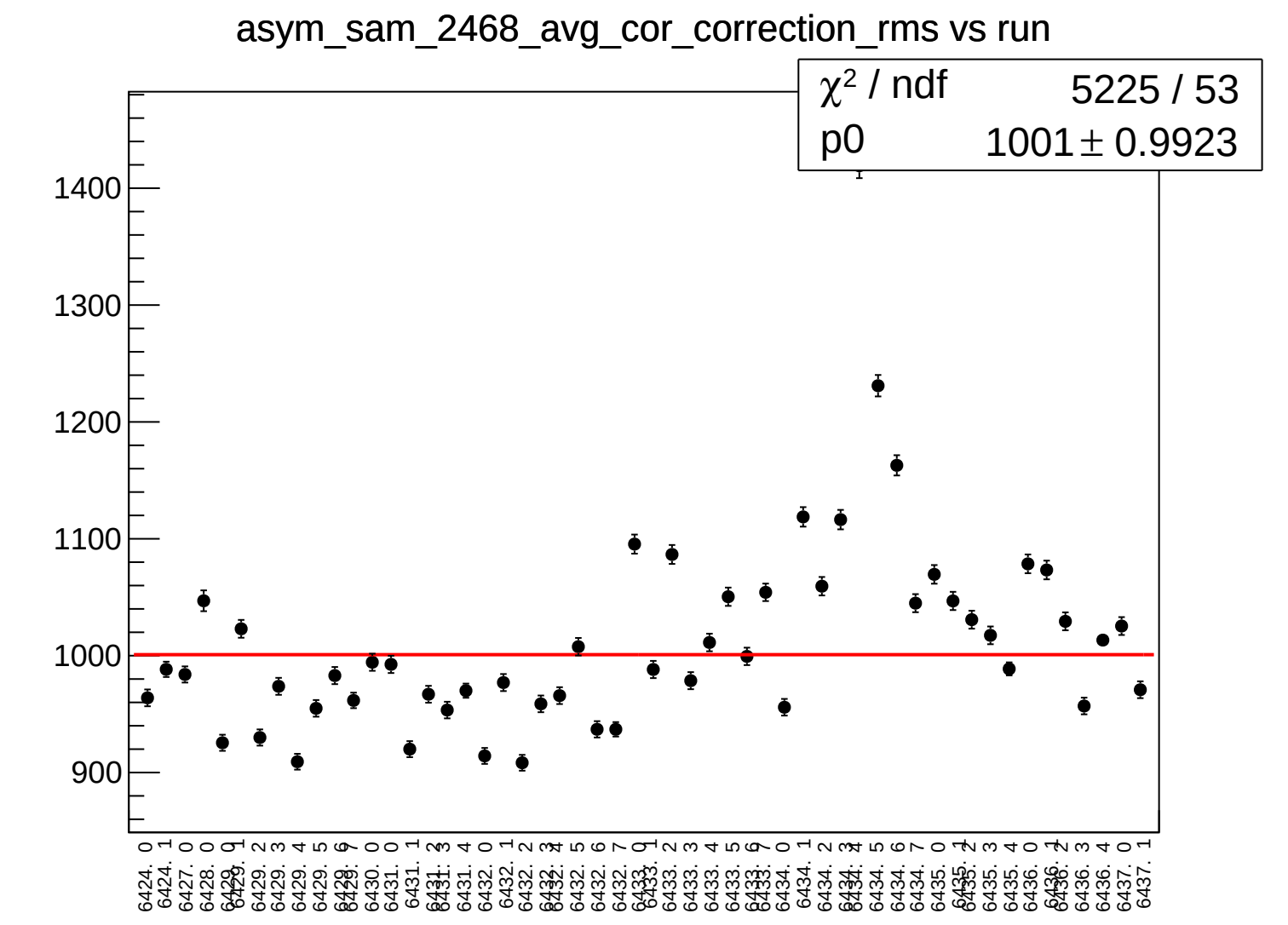

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 45.92 / 53
p0 −53.91 ± 106.3
pull
Entries 54
Mean 49.66
Std Dev 0

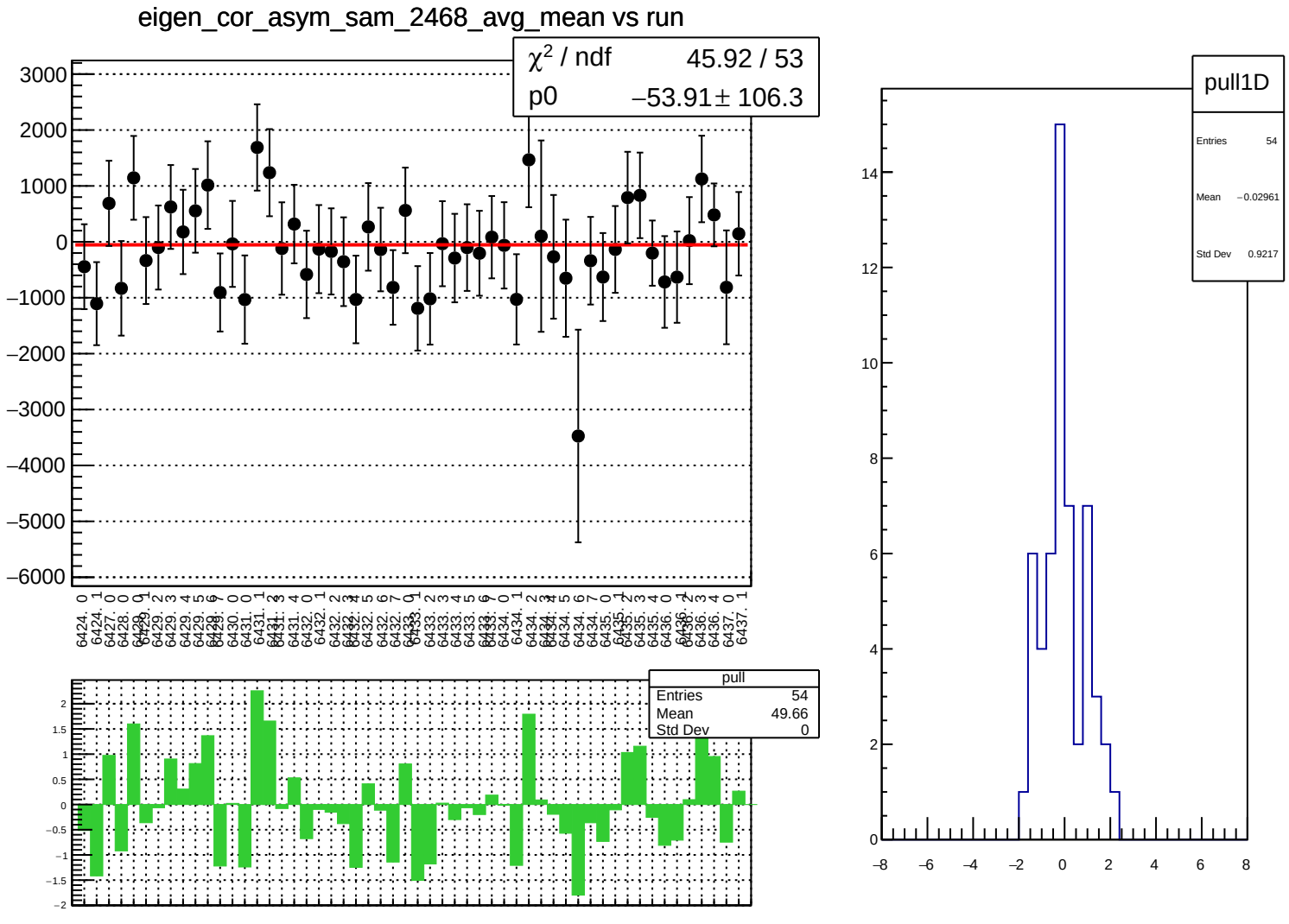

pull1D
Entries 54
Mean −0.02961
Std Dev 0.9217

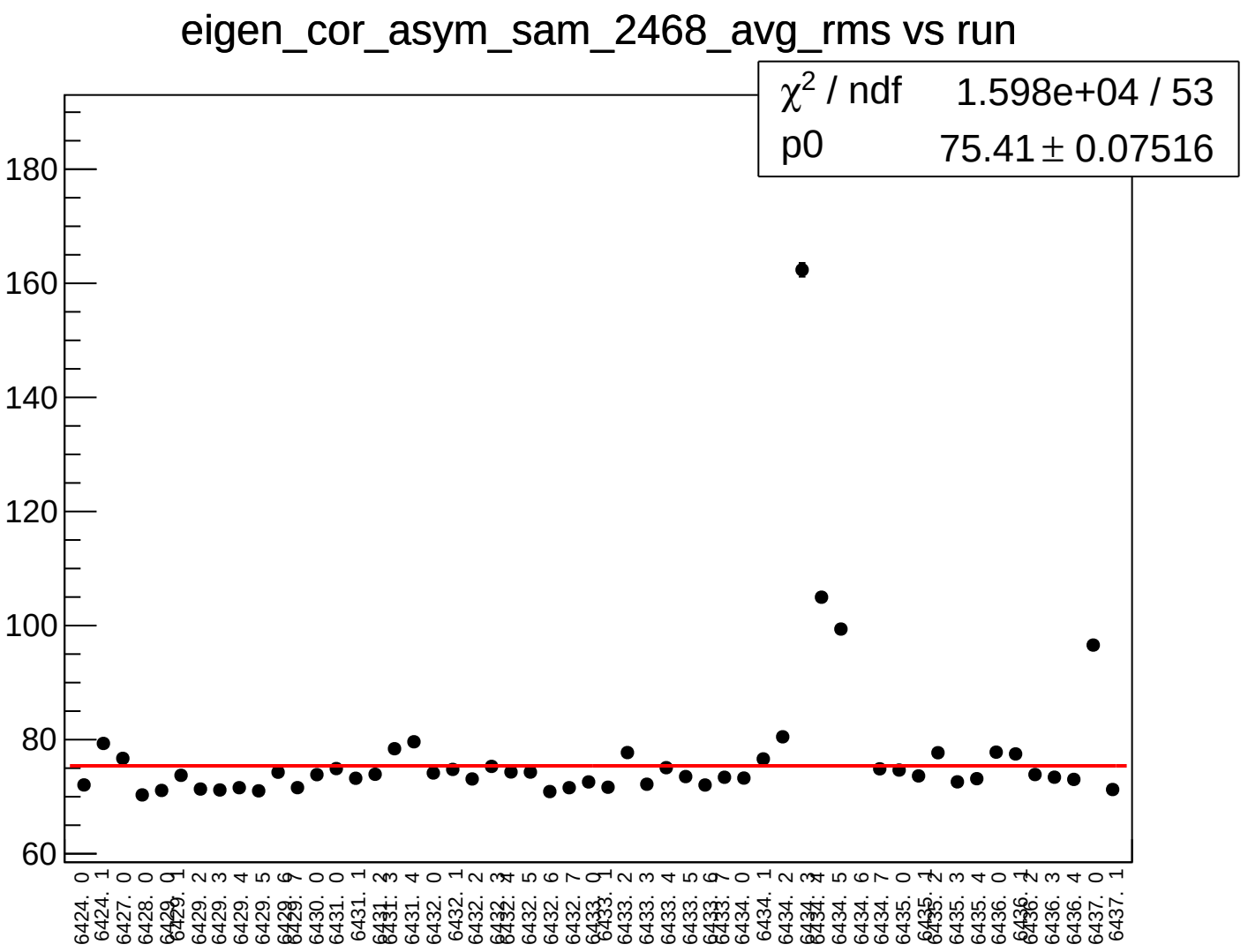

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.598e+04 / 53
p0 75.41 ± 0.07516
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

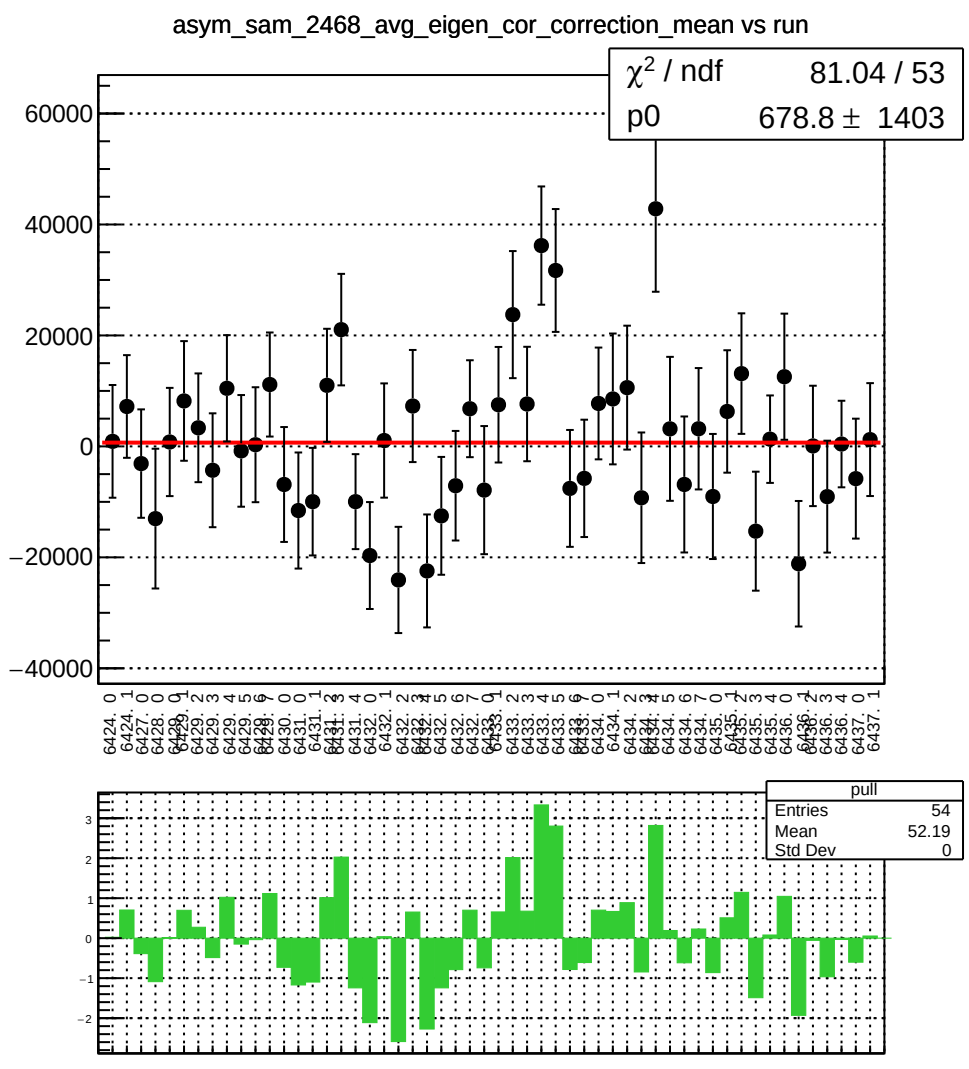

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 81.04 / 53
p0 678.8 ± 1403
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 52.19
Std Dev 0
3
2
1
0
−1
−2

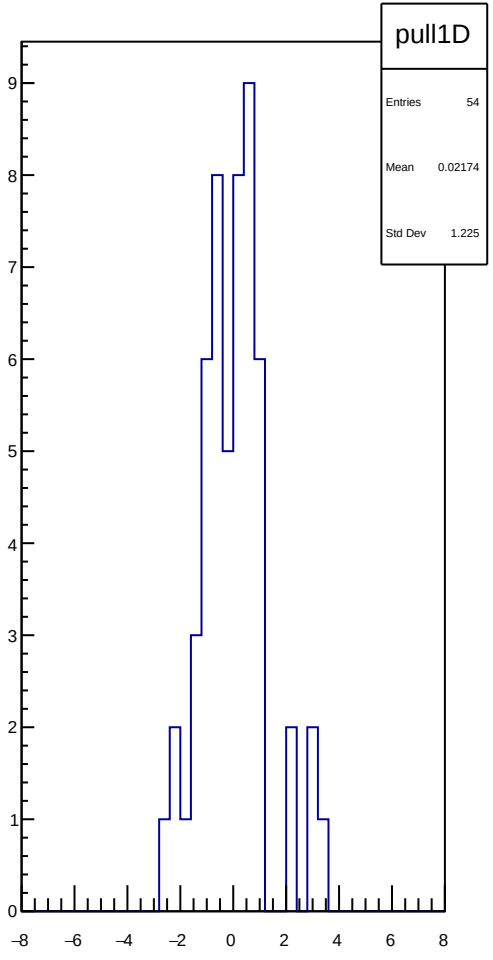

pull1D
Entries 54
Mean 0.02174
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

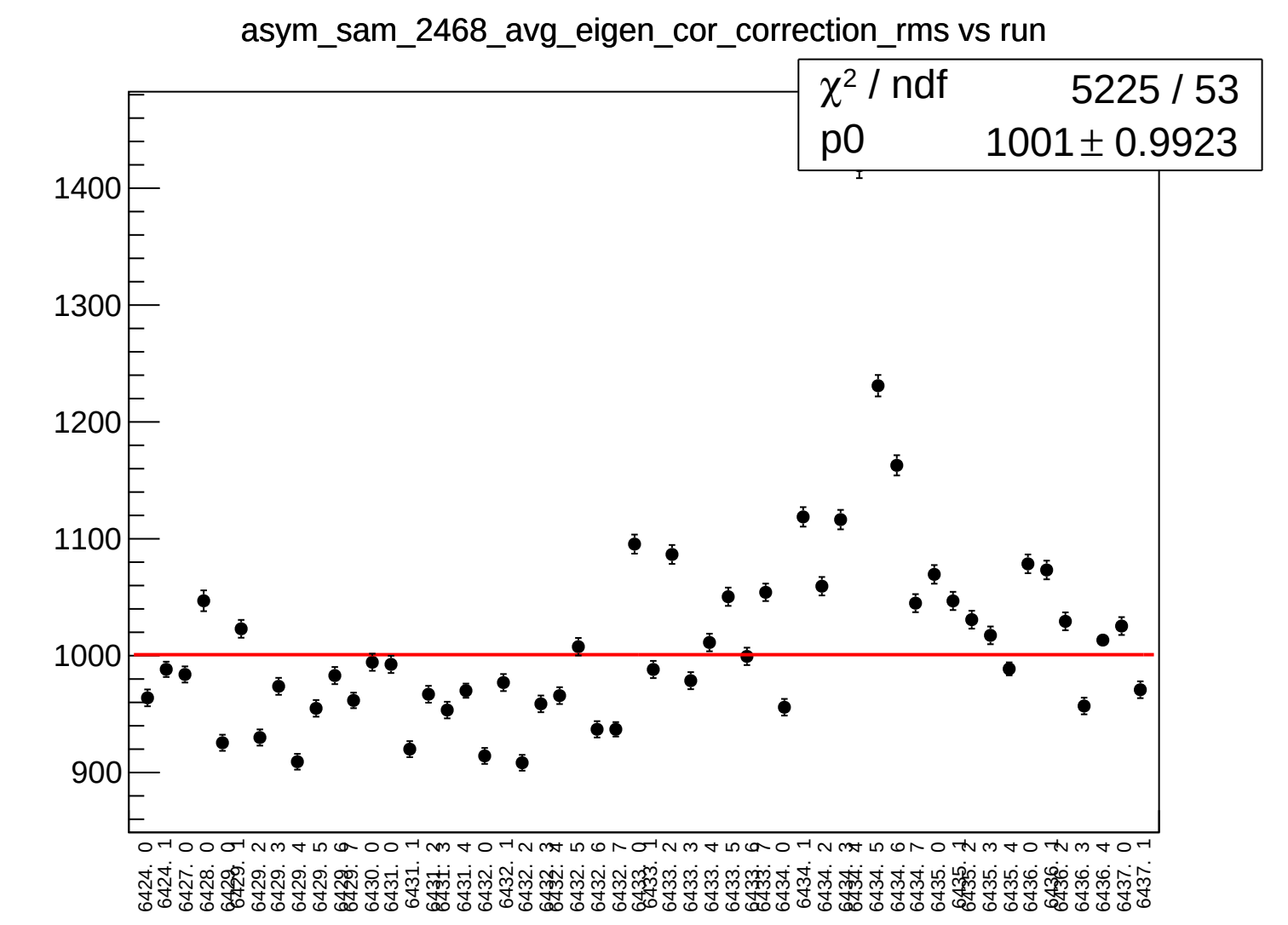

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 5225 / 53
p0 1001 ± 0.9923
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 45.92 / 53
p0 −53.91 ± 106.3
pull
Entries 54
Mean 49.66
Std Dev 0
pull1D
Entries 54
Mean −0.02961
Std Dev 0.9217


eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.598e+04 / 53
p0 75.41 ± 0.07516
180
160
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.04 / 53
p0 678.8 ± 1403
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 52.19
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.02174
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 5225 / 53
p0 1001 ± 0.9923
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
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6433. 2
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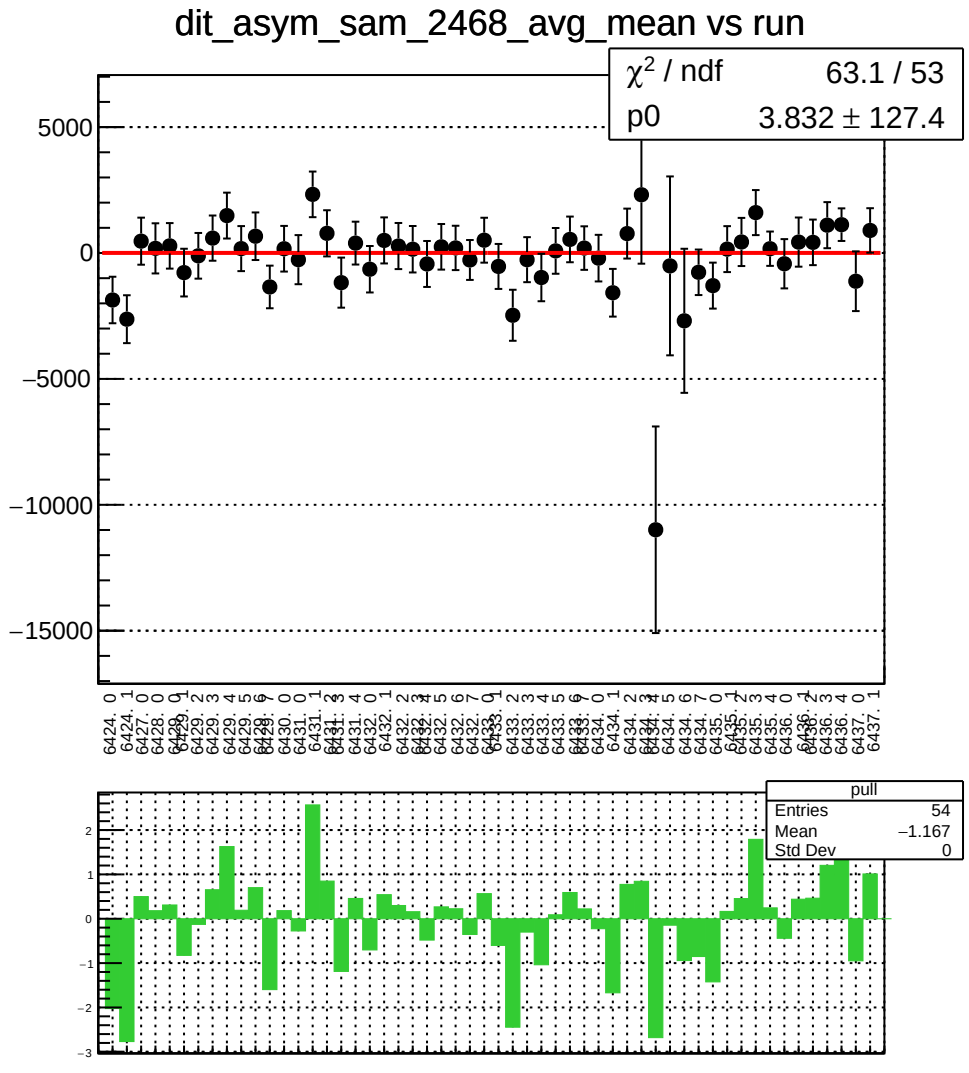
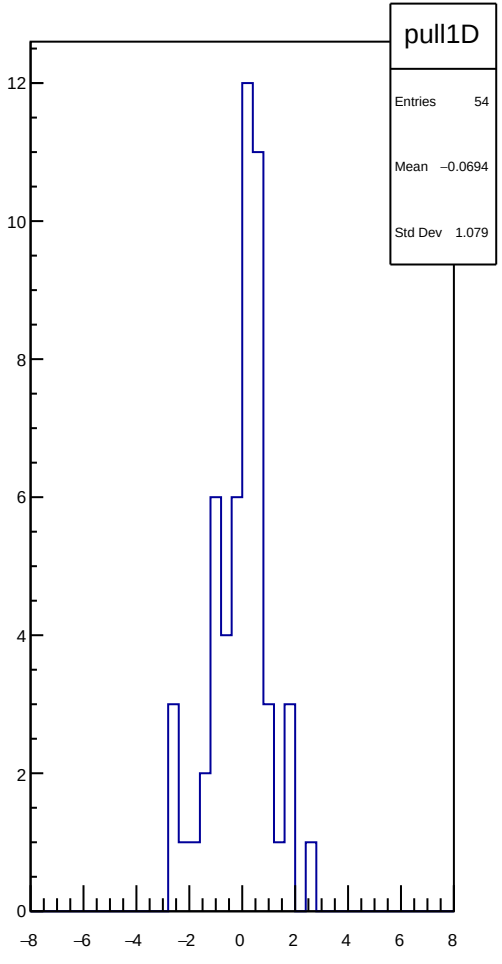
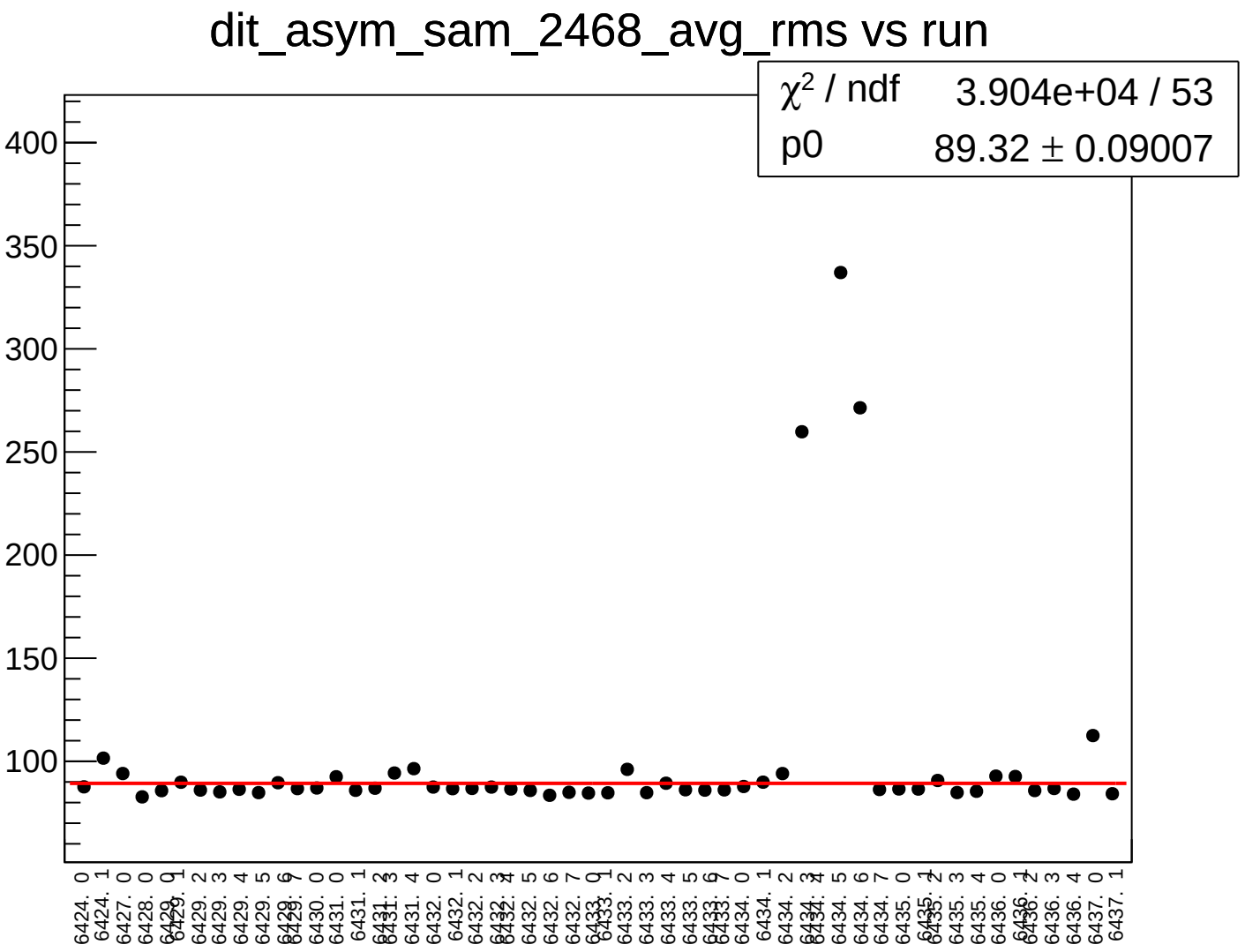
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.1 / 53
p0 3.832 ± 127.4
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −1.167
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.0694
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.904e+04 / 53
p0 89.32 ± 0.09007
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
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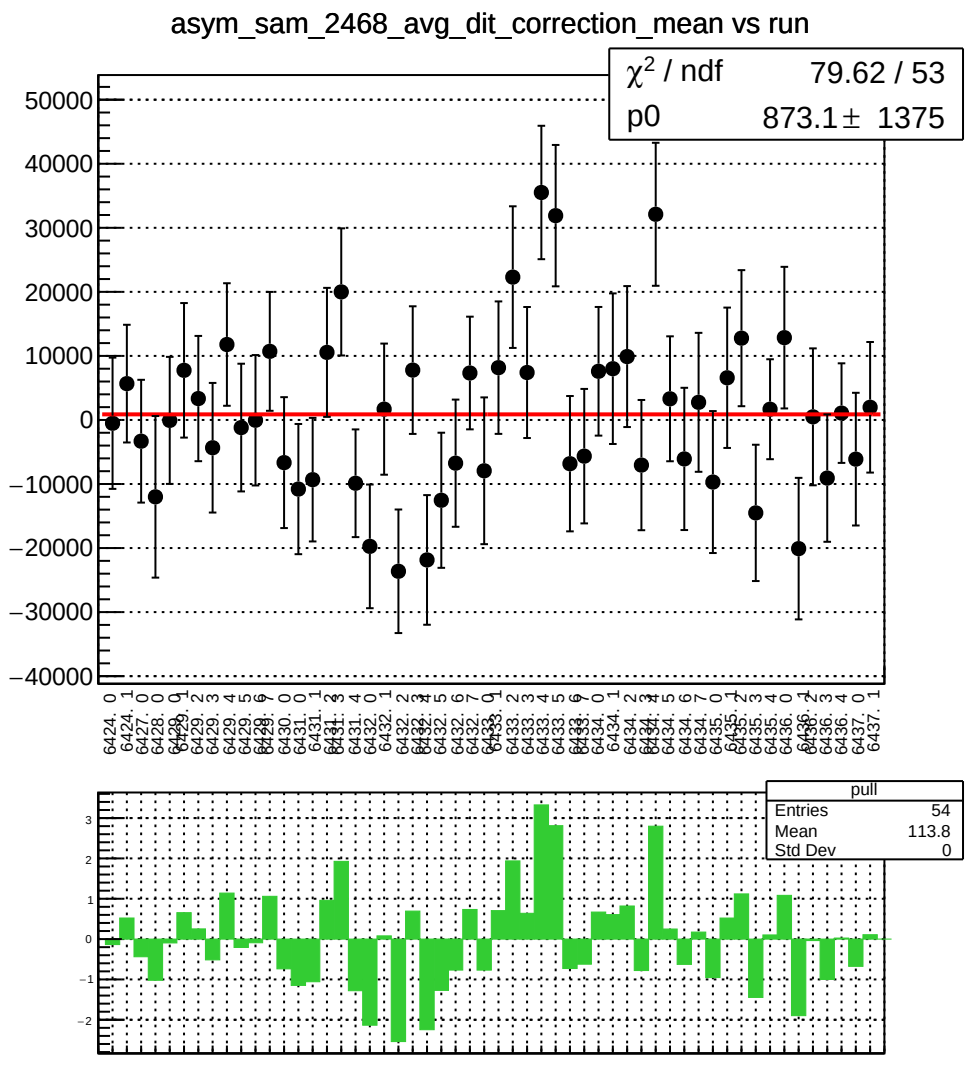
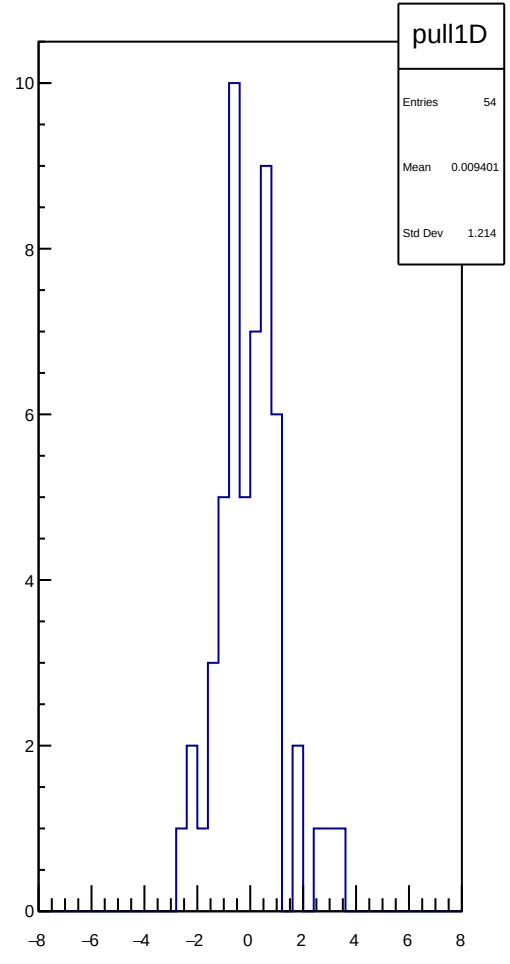
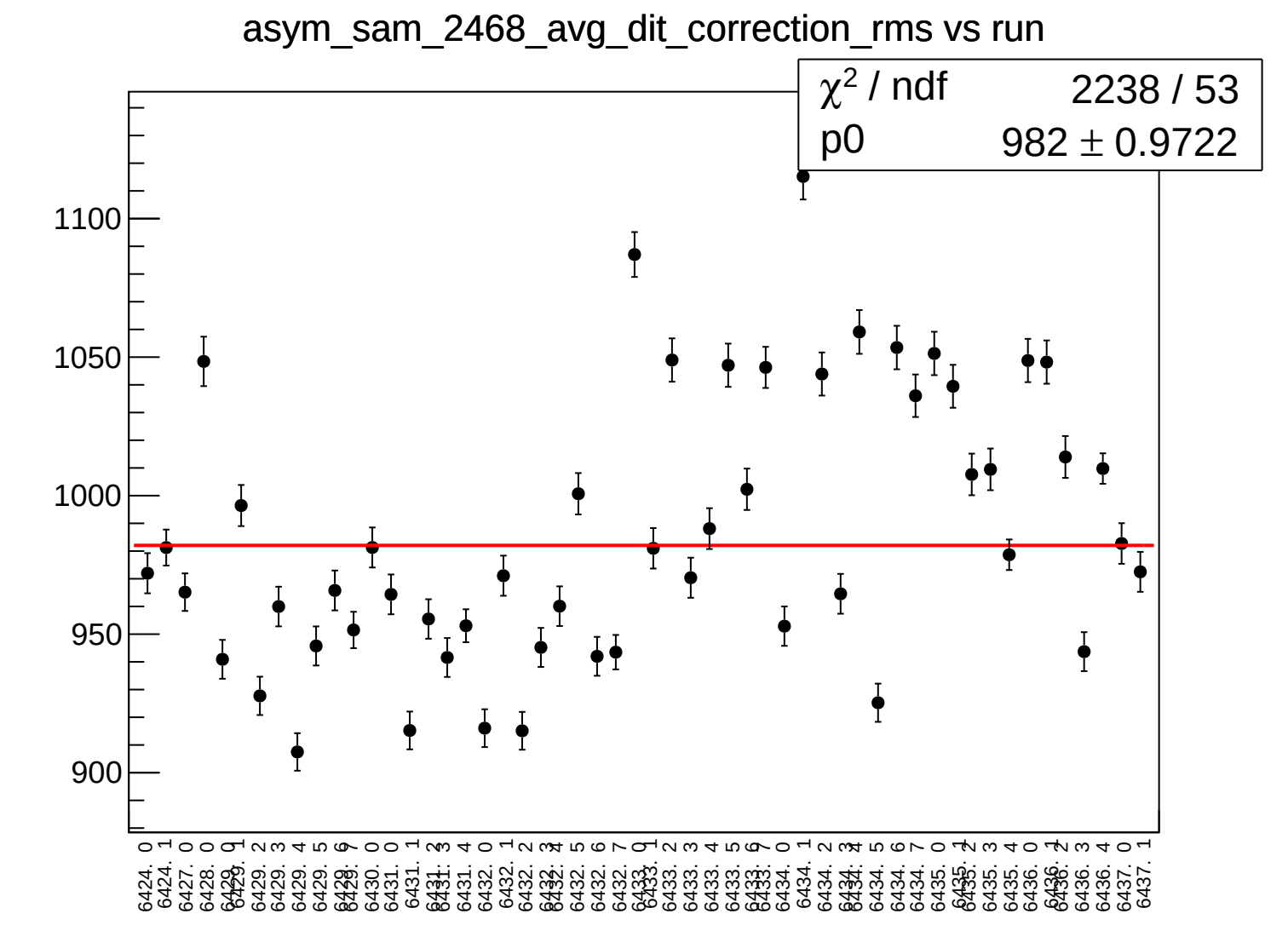
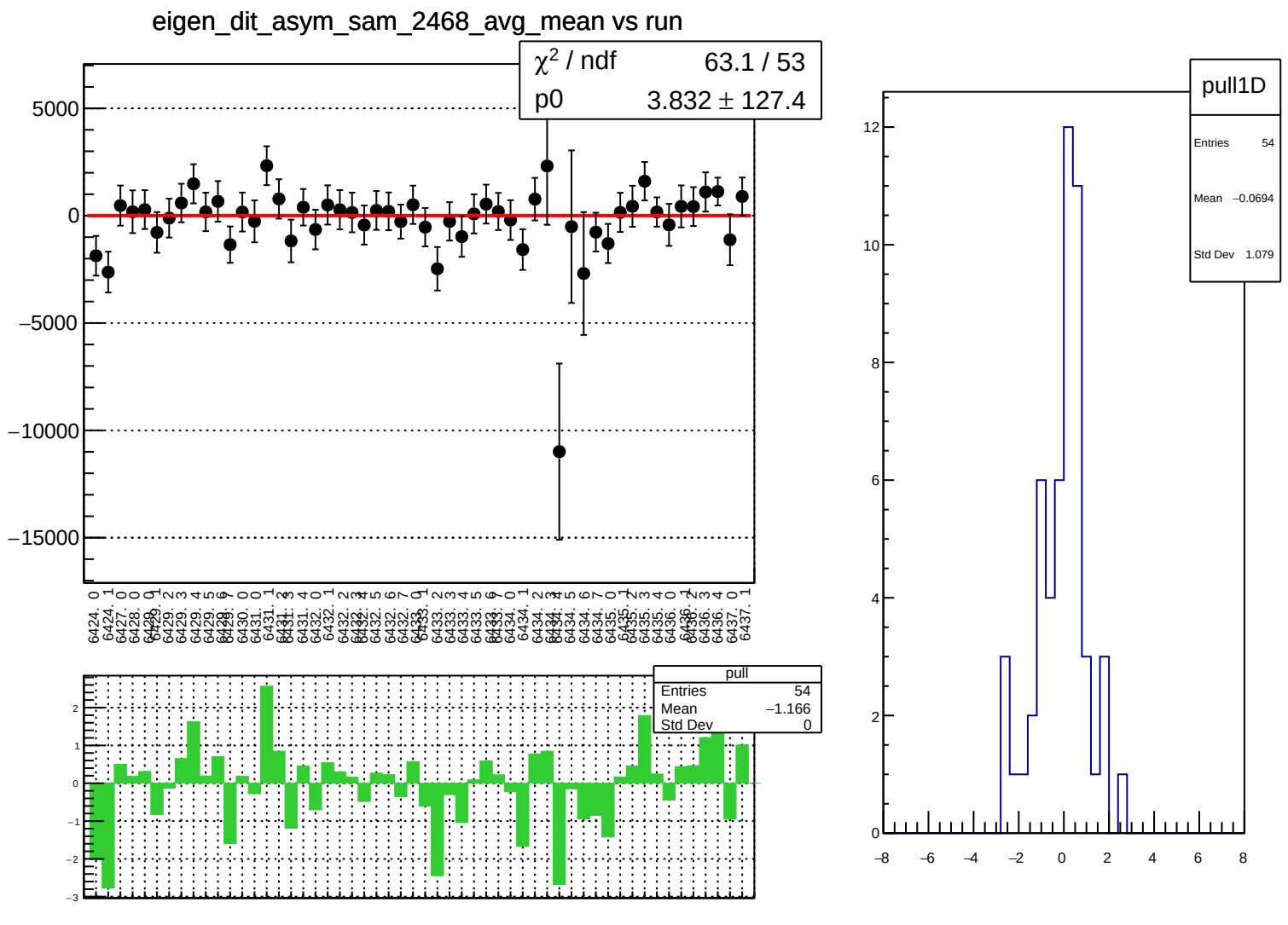
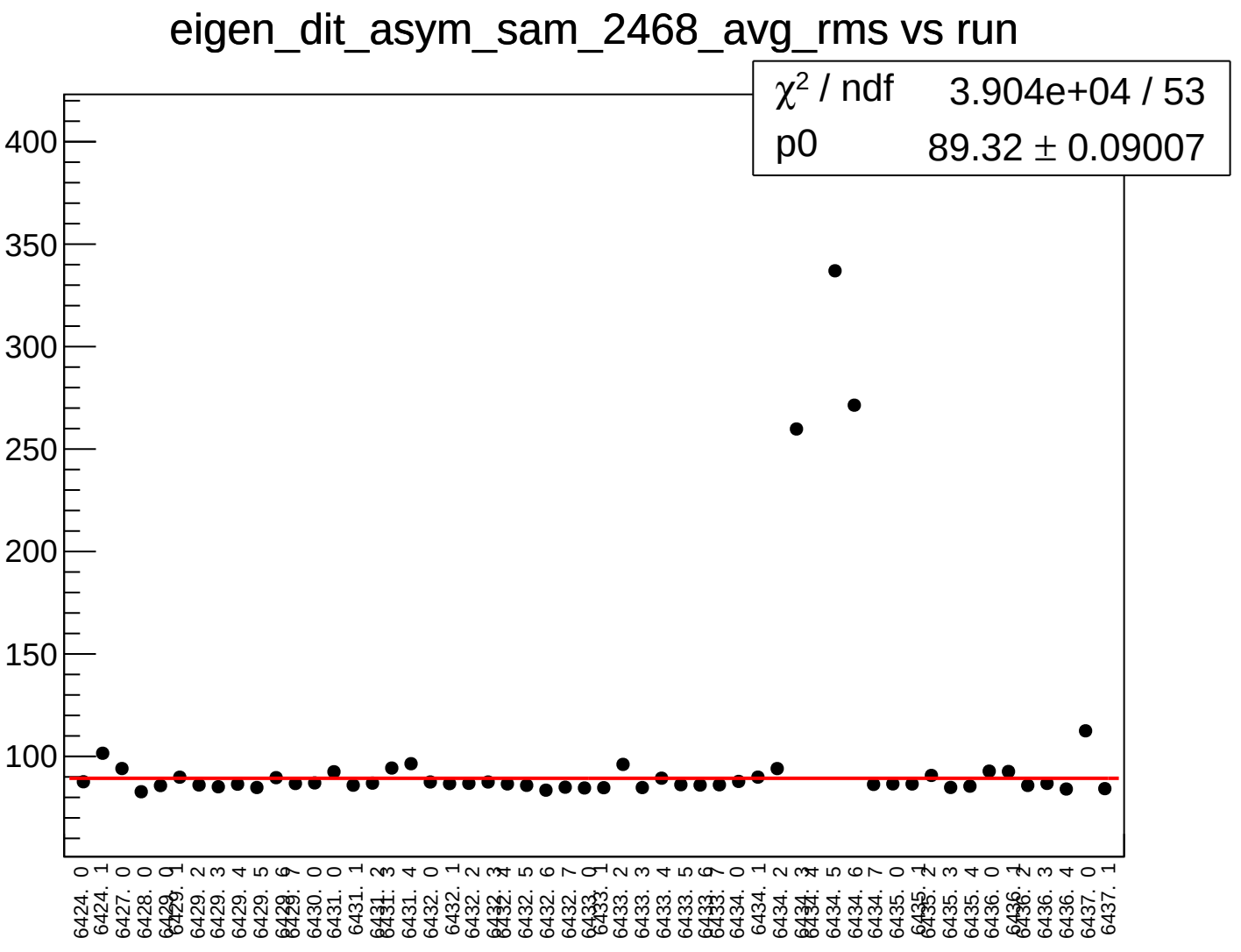
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

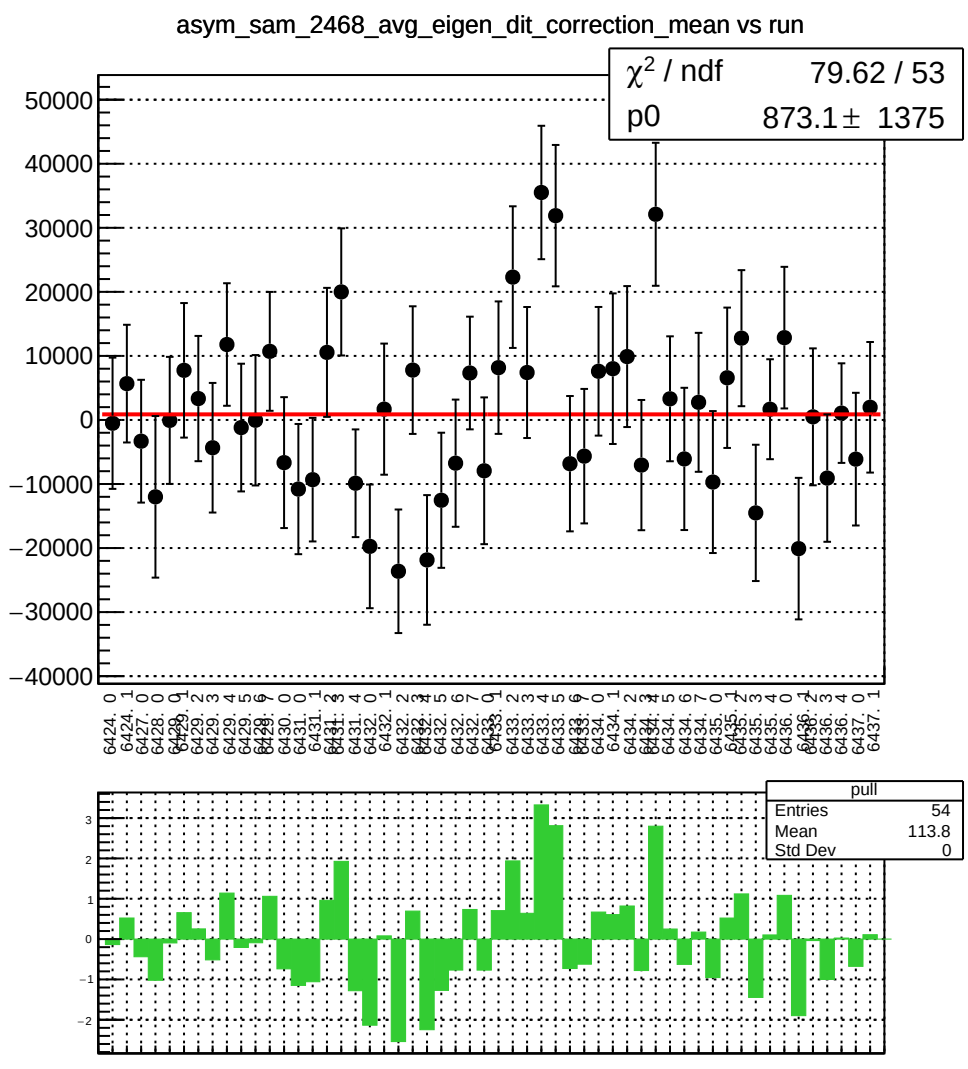

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 79.62 / 53
p0 873.1± 1375
pull
Entries 54
Mean 113.8
Std Dev 0

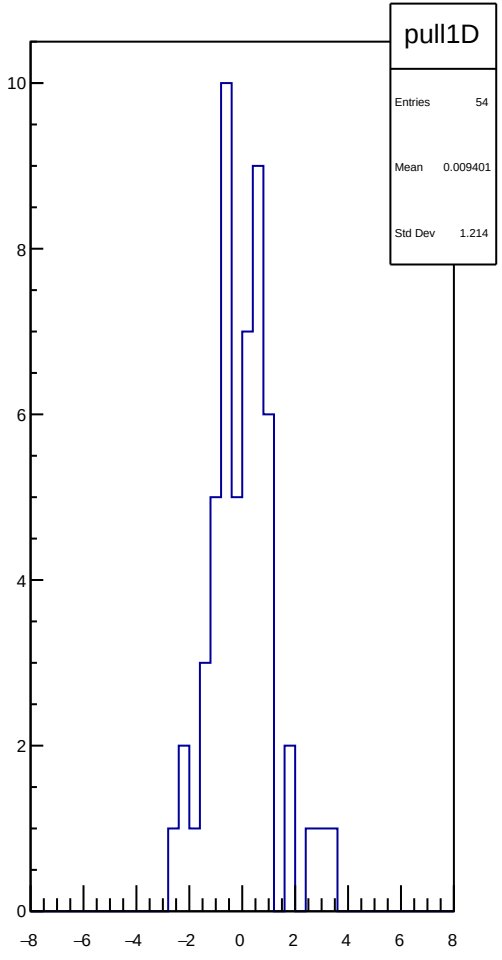

pull1D
Entries 54
Mean 0.009401
Std Dev 1.214

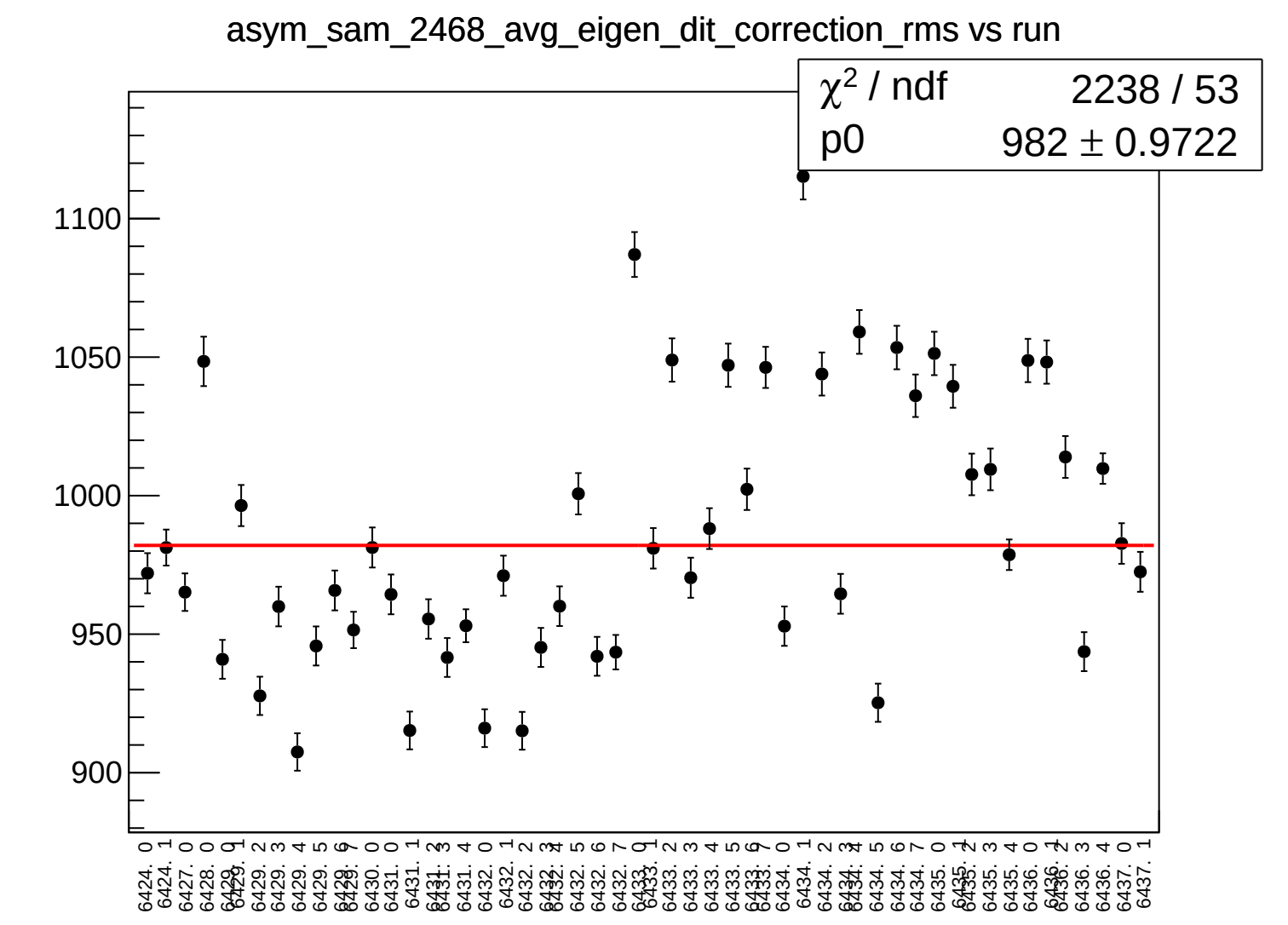

asym_sam_2468_avg_dit_correction_rms vs run
χ^2 / ndf 2238 / 53
p0 982 ± 0.9722
1100
1050
1000
950
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

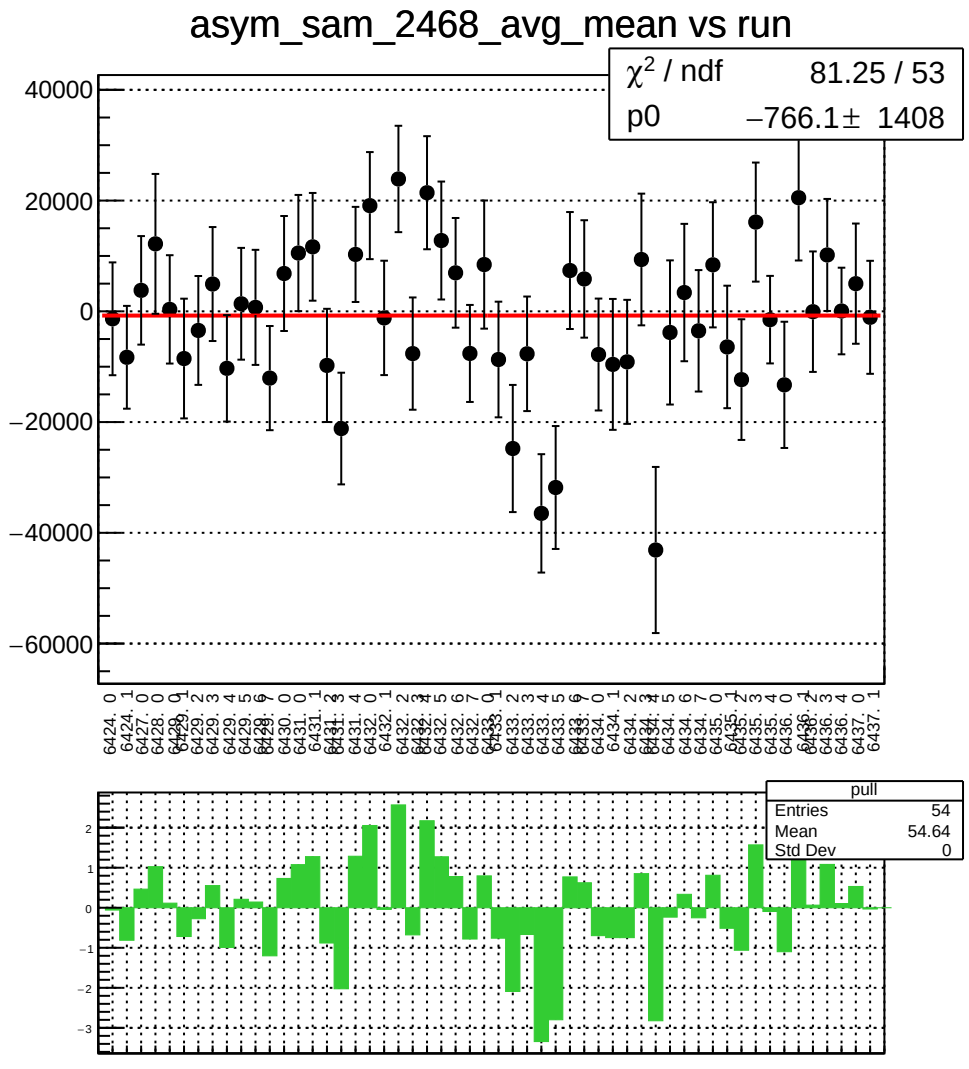

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.1 / 53
p0 3.832 ± 127.4
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −1.166
Std Dev 0
pull1D
Entries 54
Mean −0.0694
Std Dev 1.079

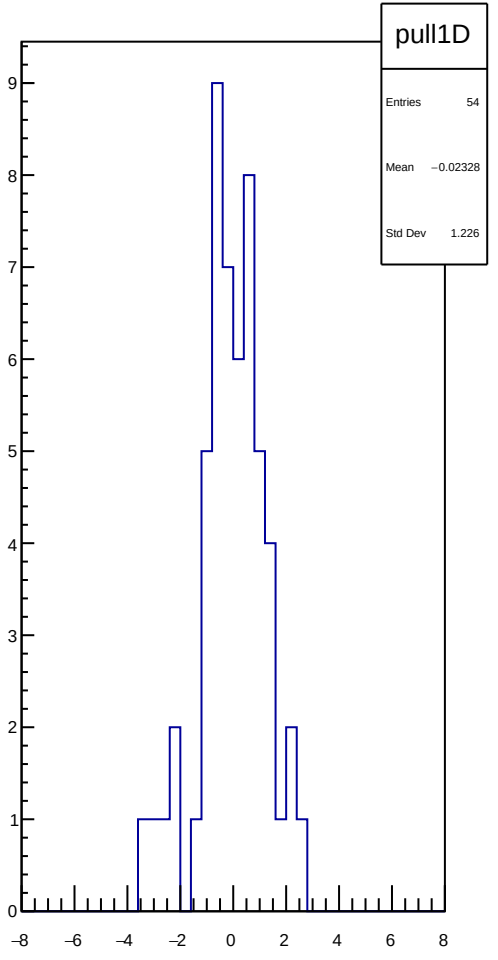

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.904e+04 / 53
p0 89.32 ± 0.09007
400
350
300
250
200
150
100
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

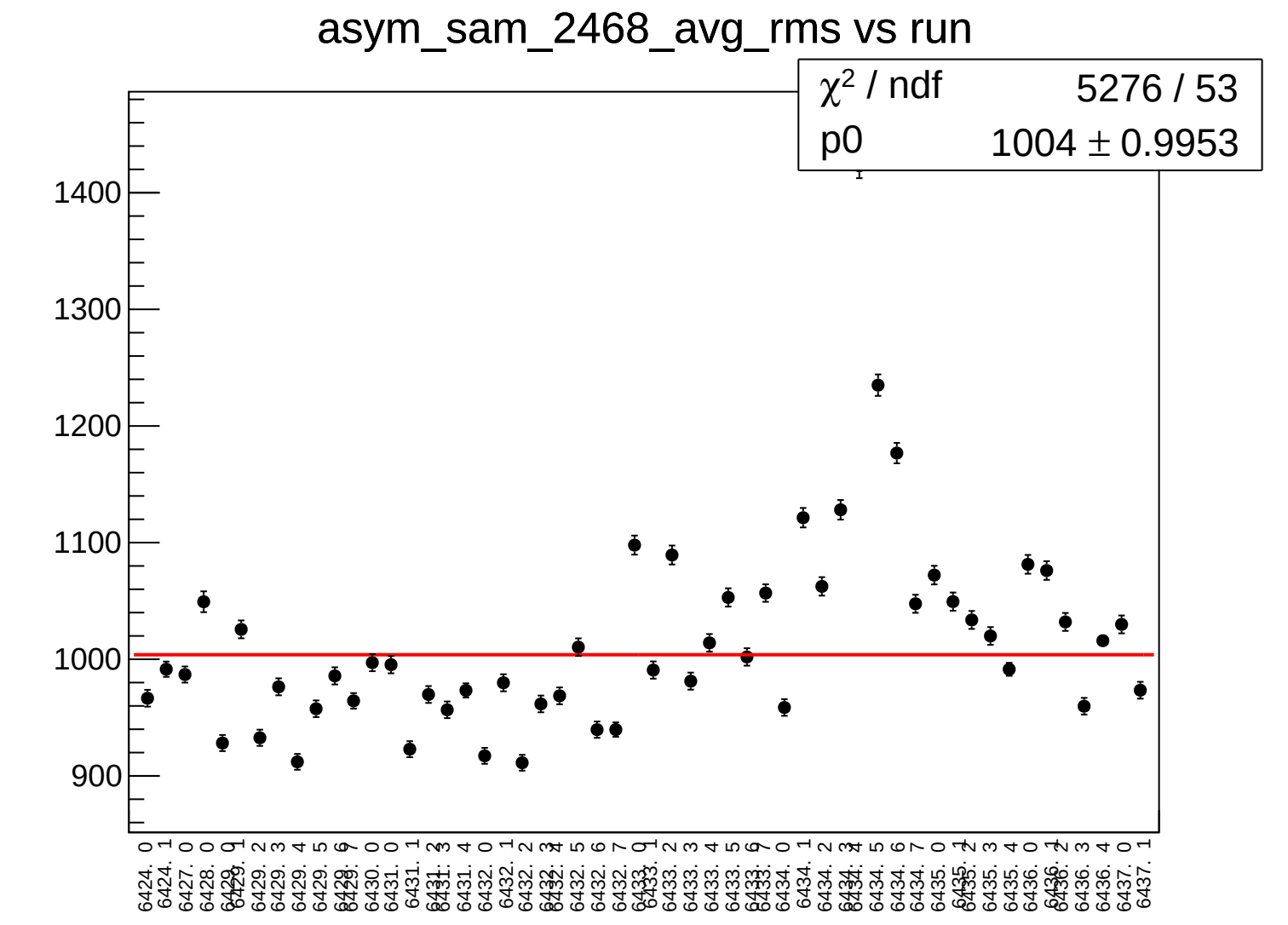

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 79.62 / 53
p0 873.1± 1375
pull
Entries 54
Mean 113.8
Std Dev 0

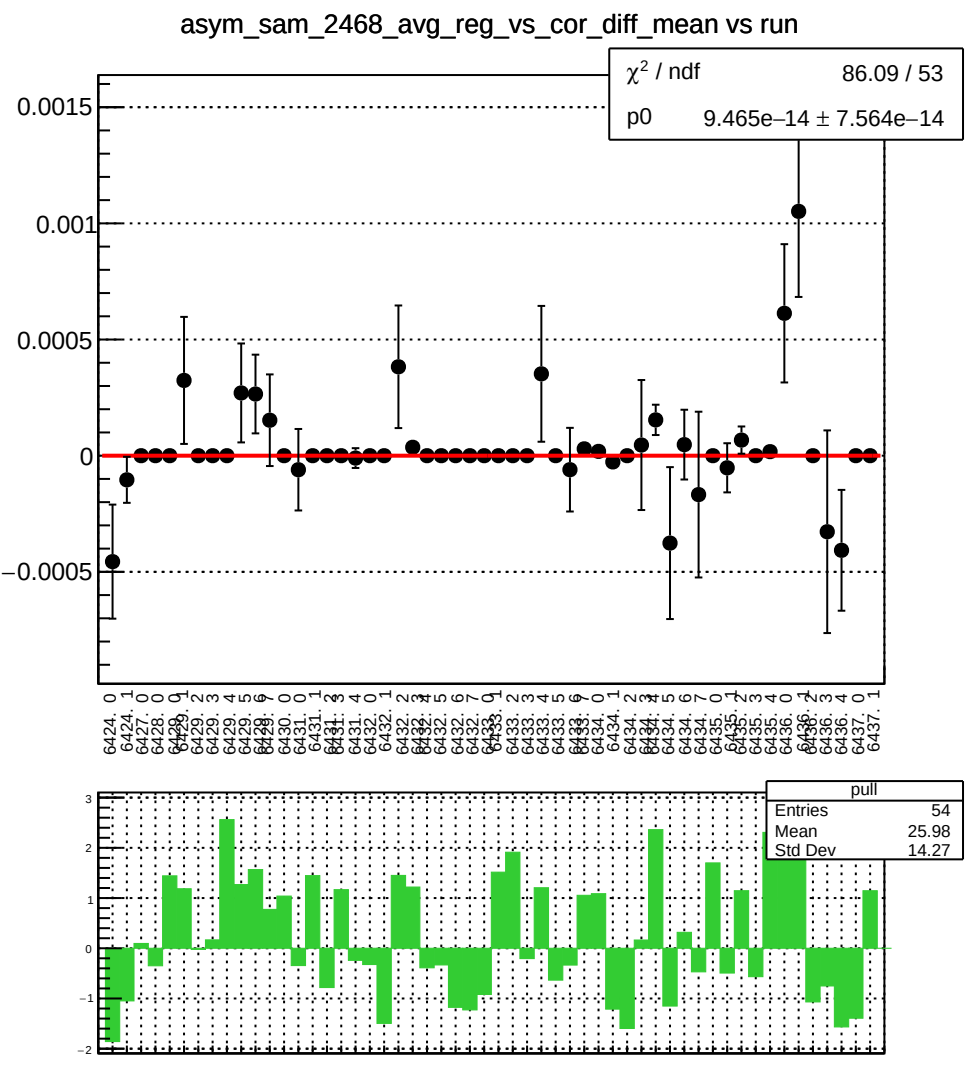

pull1D
Entries 54
Mean 0.009401
Std Dev 1.214

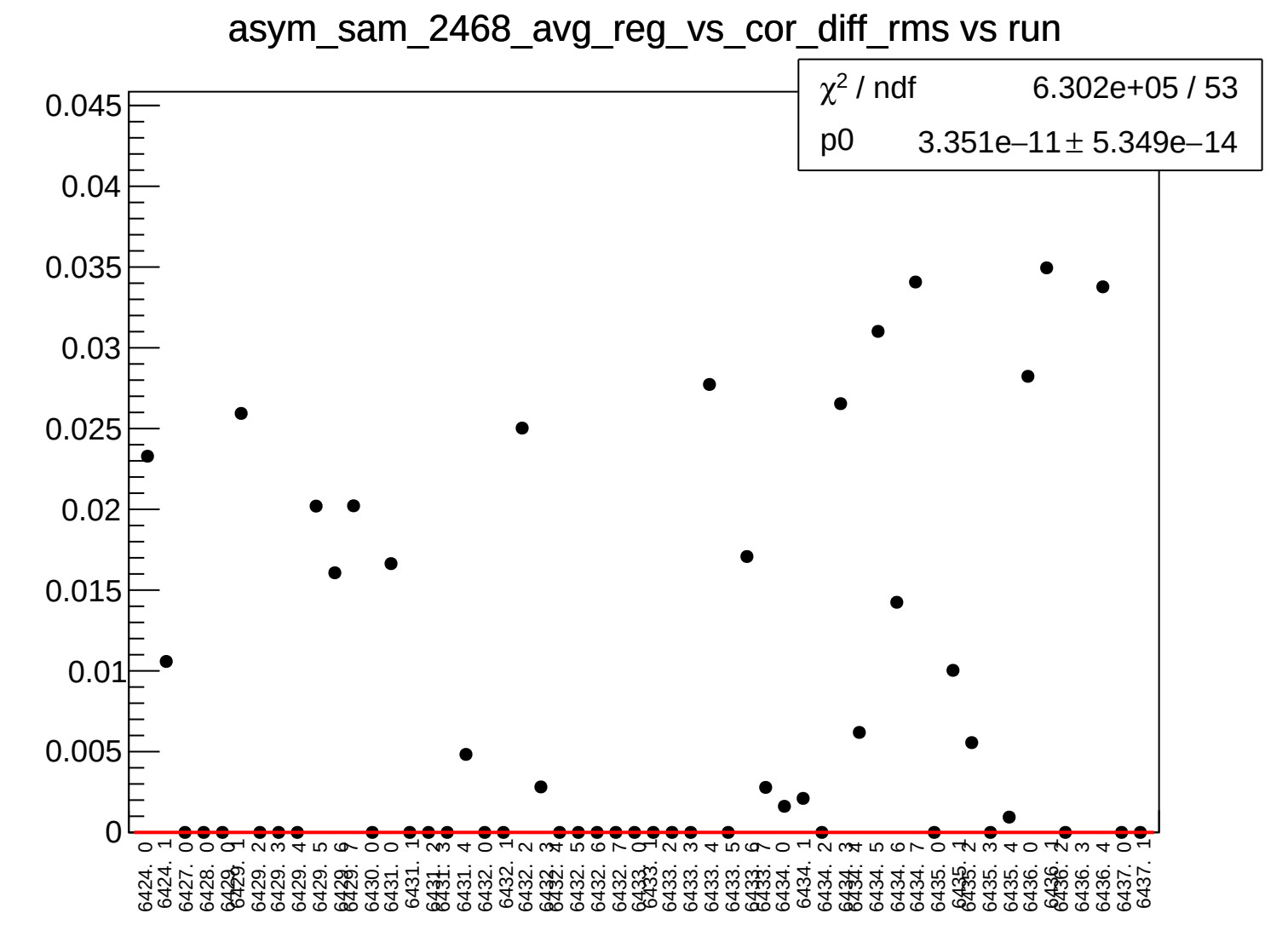

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2238 / 53
p0 982 ± 0.9722
1100
1050
1000
950
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

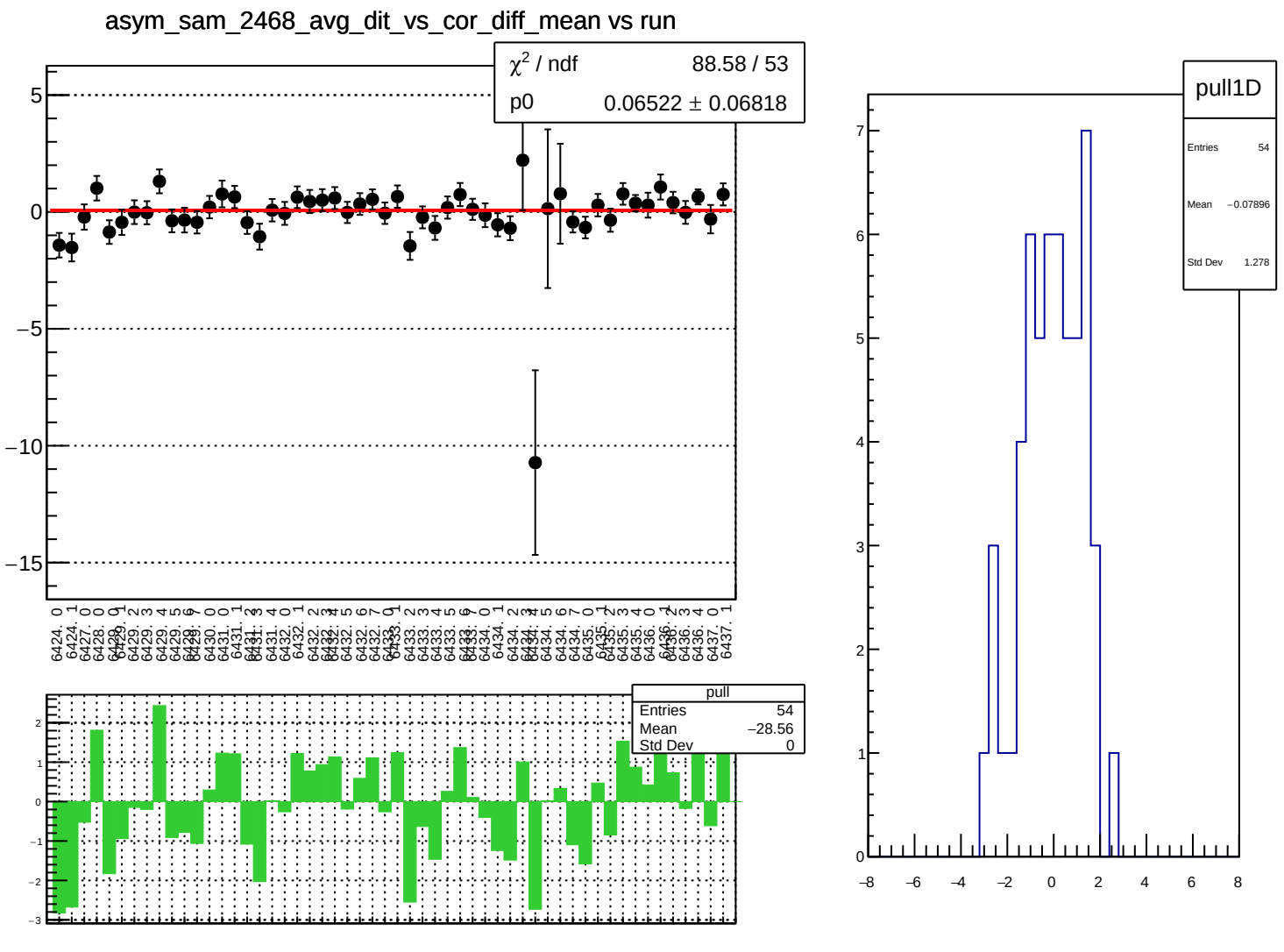

asym_sam_2468_avg_mean vs run
χ² / ndf 81.25 / 53
p0 −766.1± 1408
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 54.64
Std Dev 0
2
1
0
−1
−2
−3

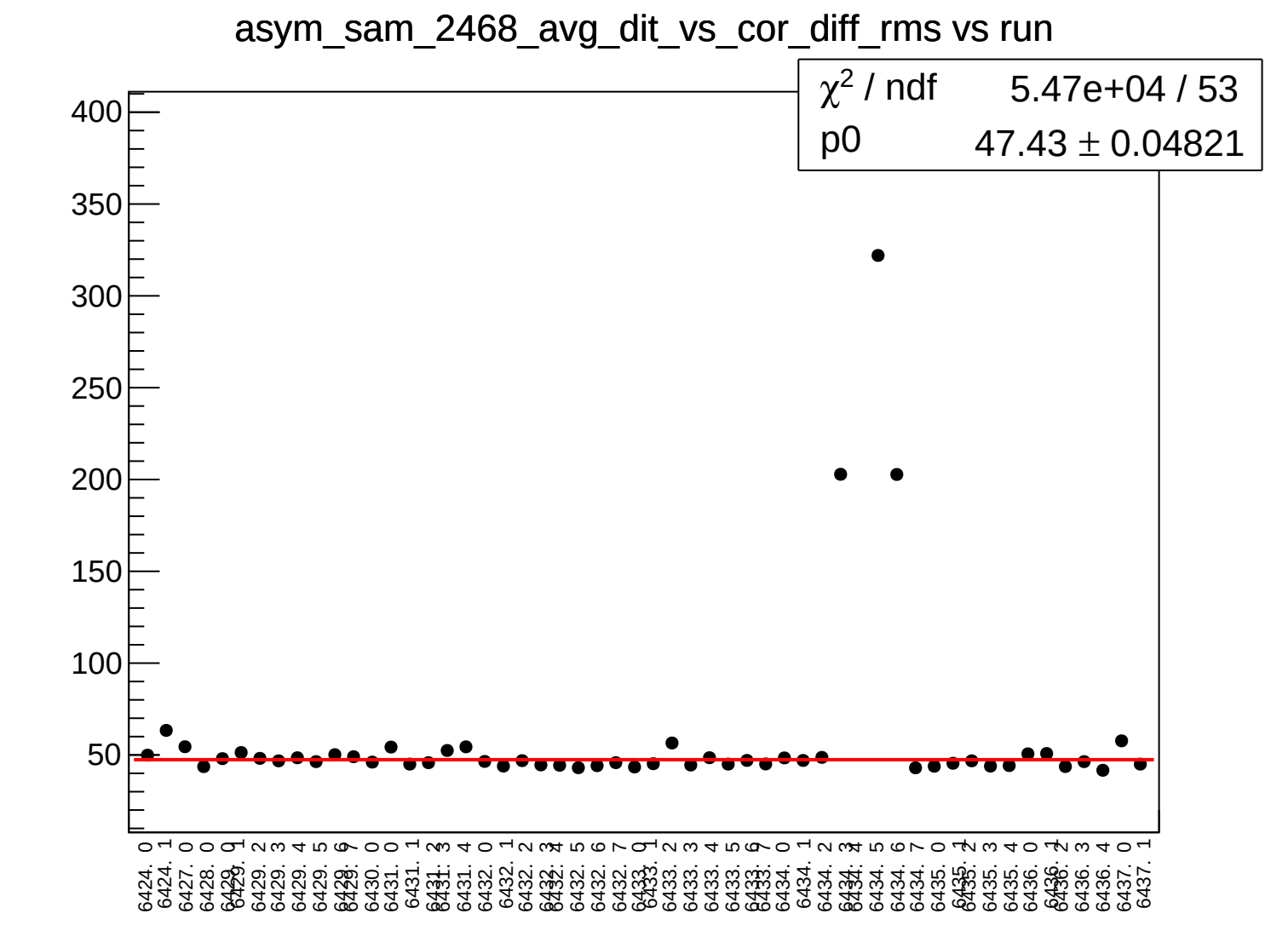

pull1D
Entries 54
Mean −0.02328
Std Dev 1.226
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

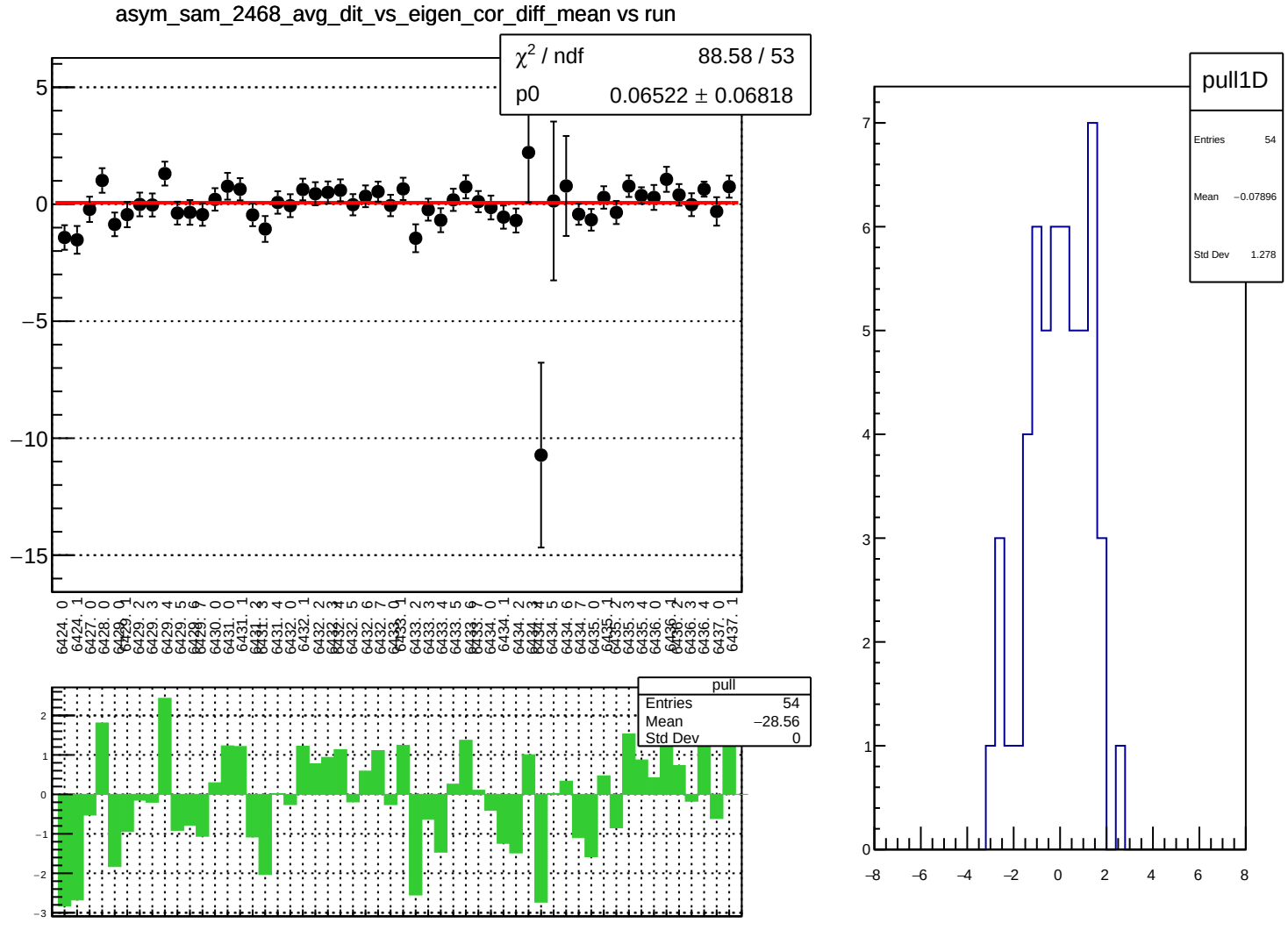

asym_sam_2468_avg_rms vs run
χ² / ndf 5276 / 53
p0 1004 ± 0.9953
1400
1300
1200
1100
1000
900
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

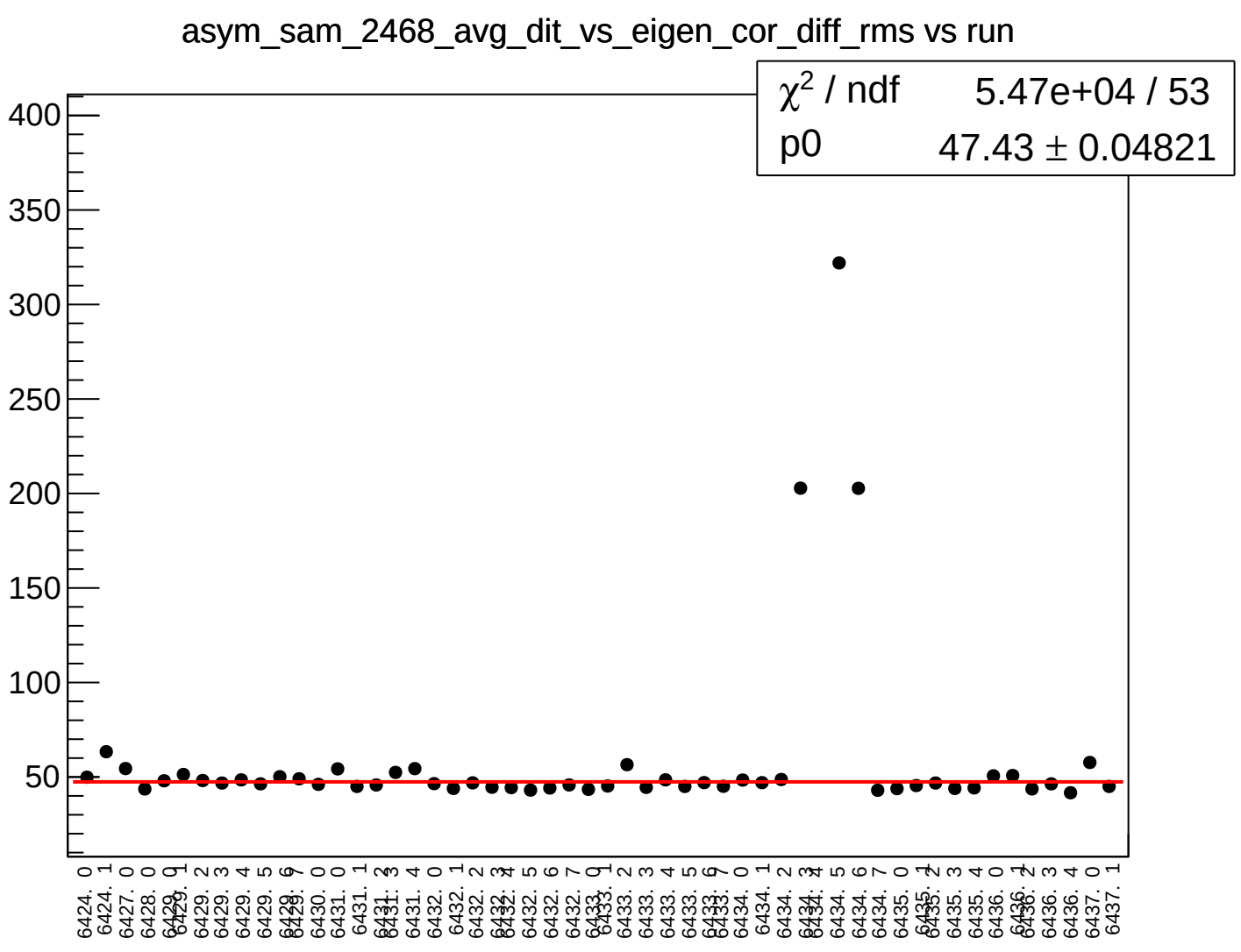

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 86.09 / 53
p0 9.465e−14 ± 7.564e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 54
Mean 25.98
Std Dev 14.27
pull1D
Entries 54
Mean 0.2642
Std Dev 1.235

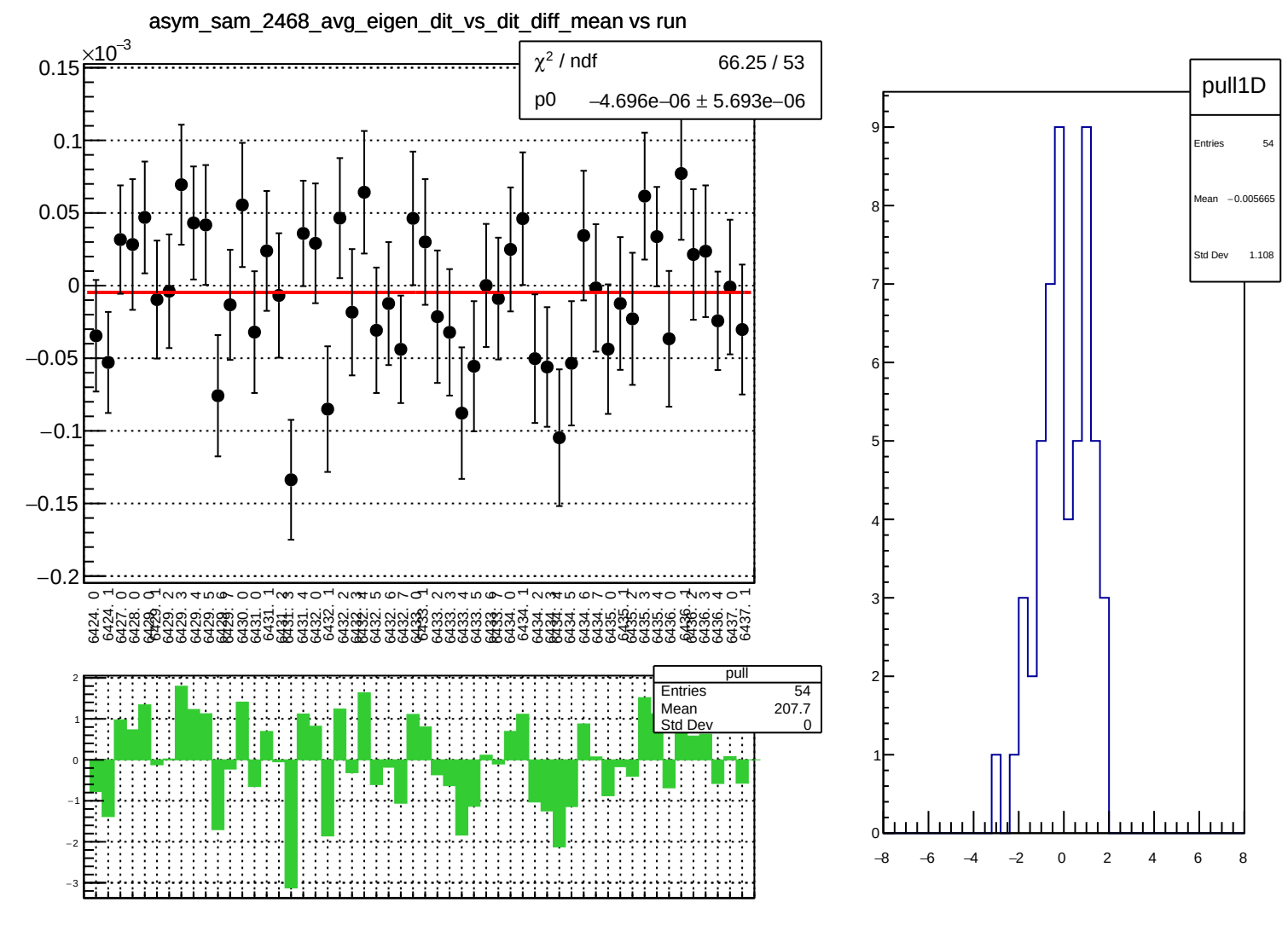

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.302e+05 / 53
p0 3.351e−11 ± 5.349e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

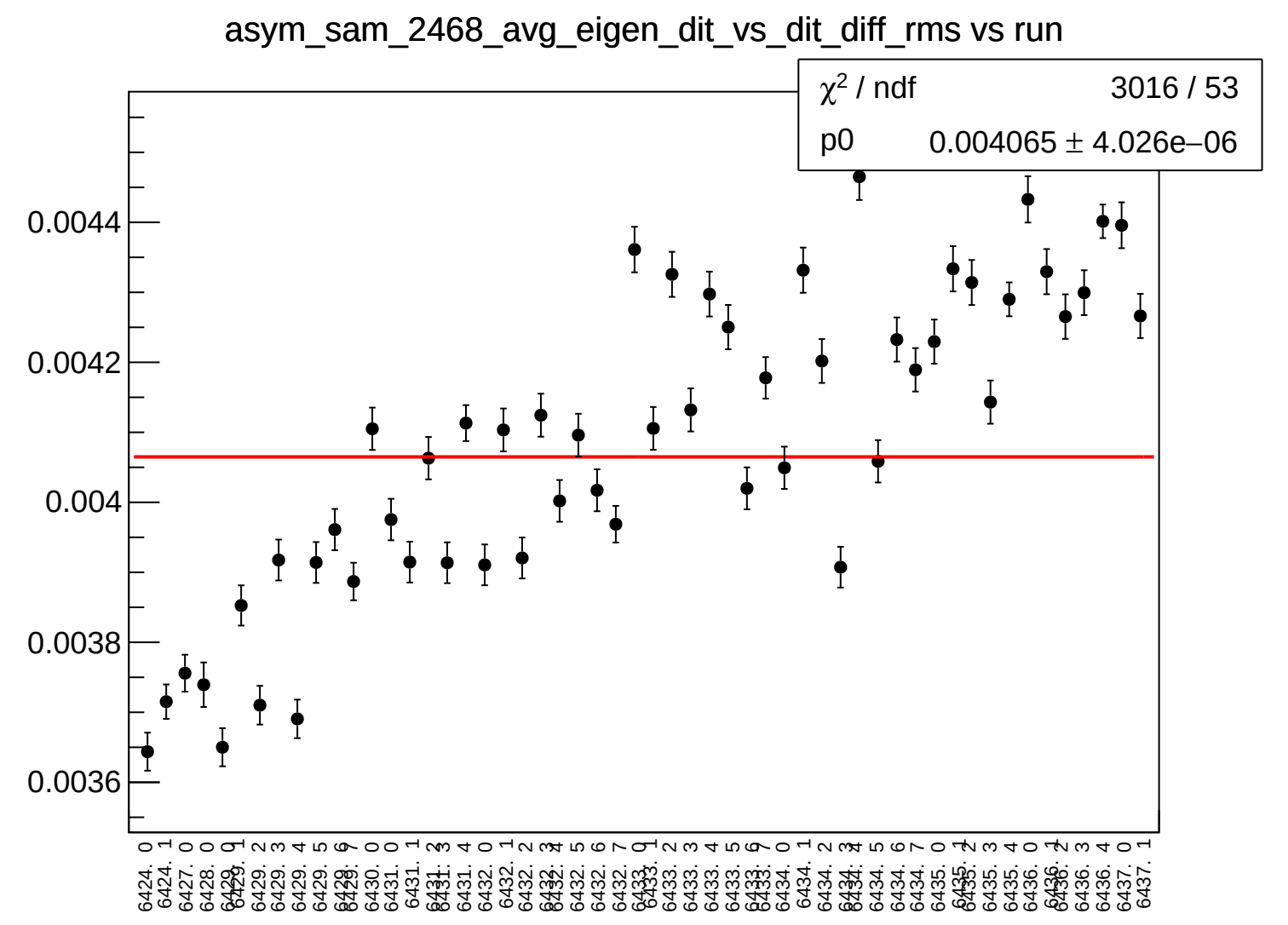

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.58 / 53
p0 0.06522 ± 0.06818
pull
Entries 54
Mean −28.56
Std Dev 0
pull1D
Entries 54
Mean −0.07896
Std Dev 1.278

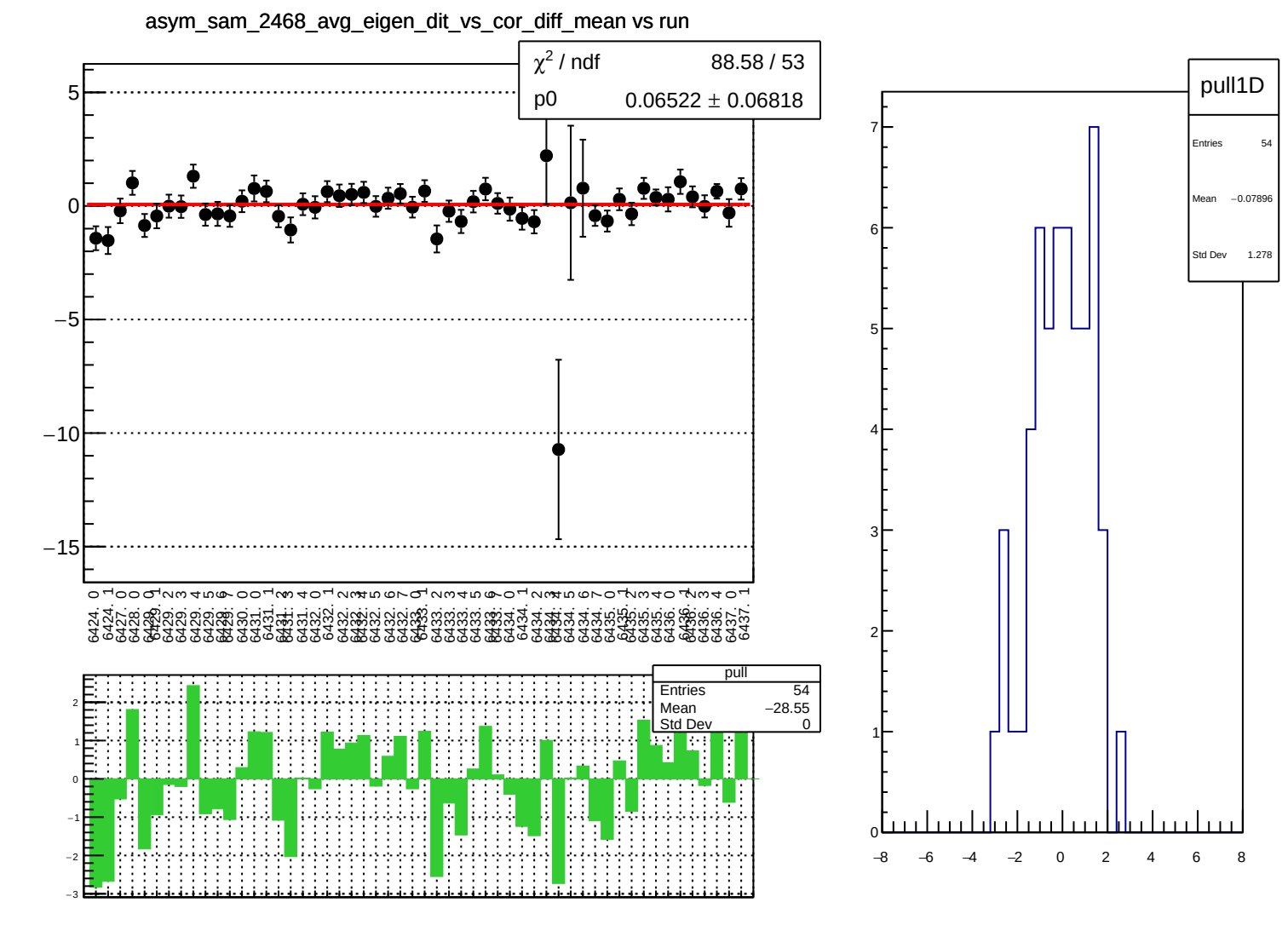

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.47e+04 / 53
p0 47.43 ± 0.04821
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

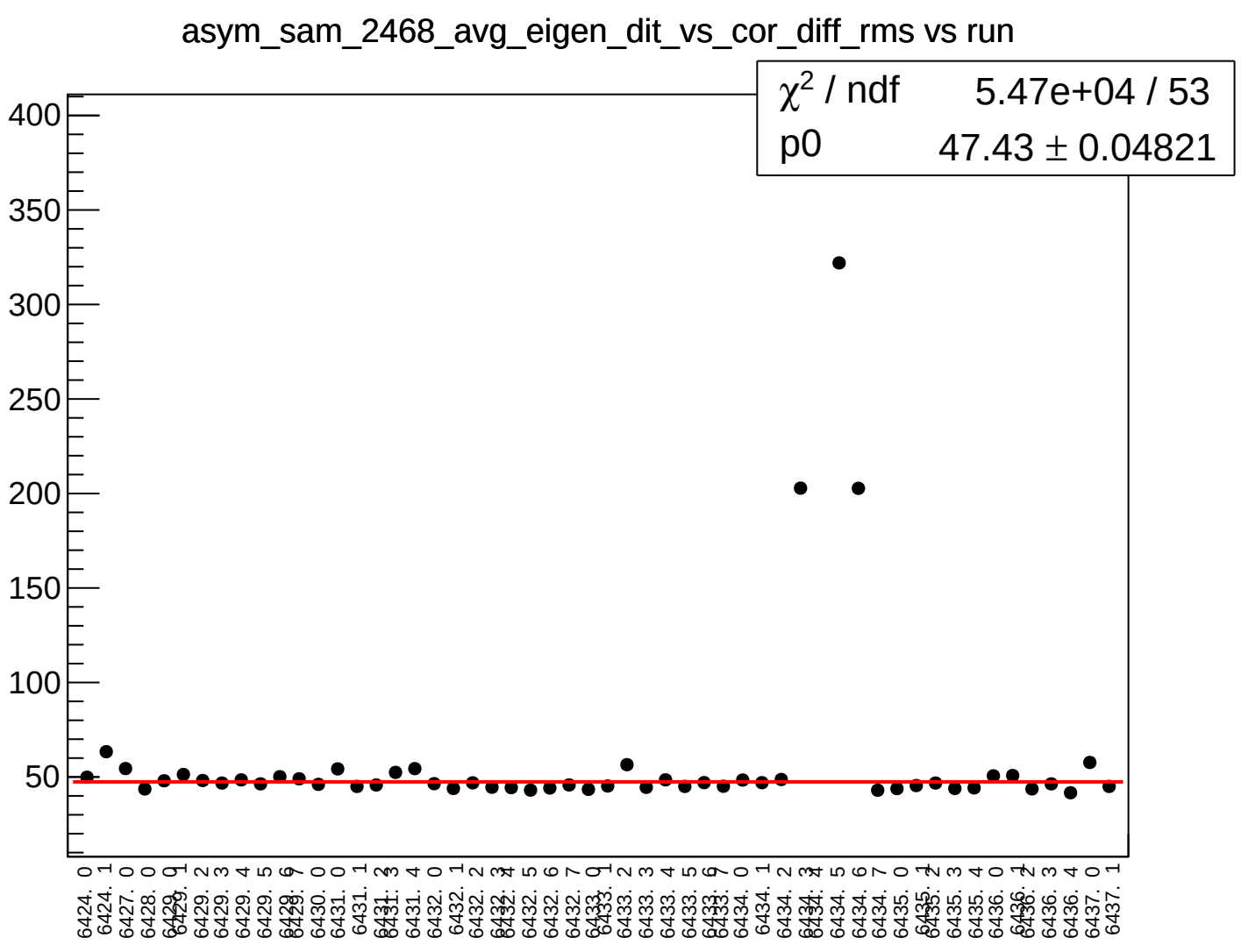

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.58 / 53
p0 0.06522 ± 0.06818
pull
Entries 54
Mean −28.56
Std Dev 0
pull1D
Entries 54
Mean −0.07896
Std Dev 1.278


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.47e+04 / 53
p0 47.43 ± 0.04821
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.25 / 53
p0 −4.696e−06 ± 5.693e−06
pull
Entries 54
Mean 207.7
Std Dev 0
pull1D
Entries 54
Mean −0.005665
Std Dev 1.108


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3016 / 53
p0 0.004065 ± 4.026e−06
0.0044
0.0042
0.004
0.0038
0.0036
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.58 / 53
p0 0.06522 ± 0.06818
pull
Entries 54
Mean −28.55
Std Dev 0
pull1D
Entries 54
Mean −0.07896
Std Dev 1.278


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.47e+04 / 53
p0 47.43 ± 0.04821
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
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6434. 0
6434. 1
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6434. 5
6434. 6
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6435. 2
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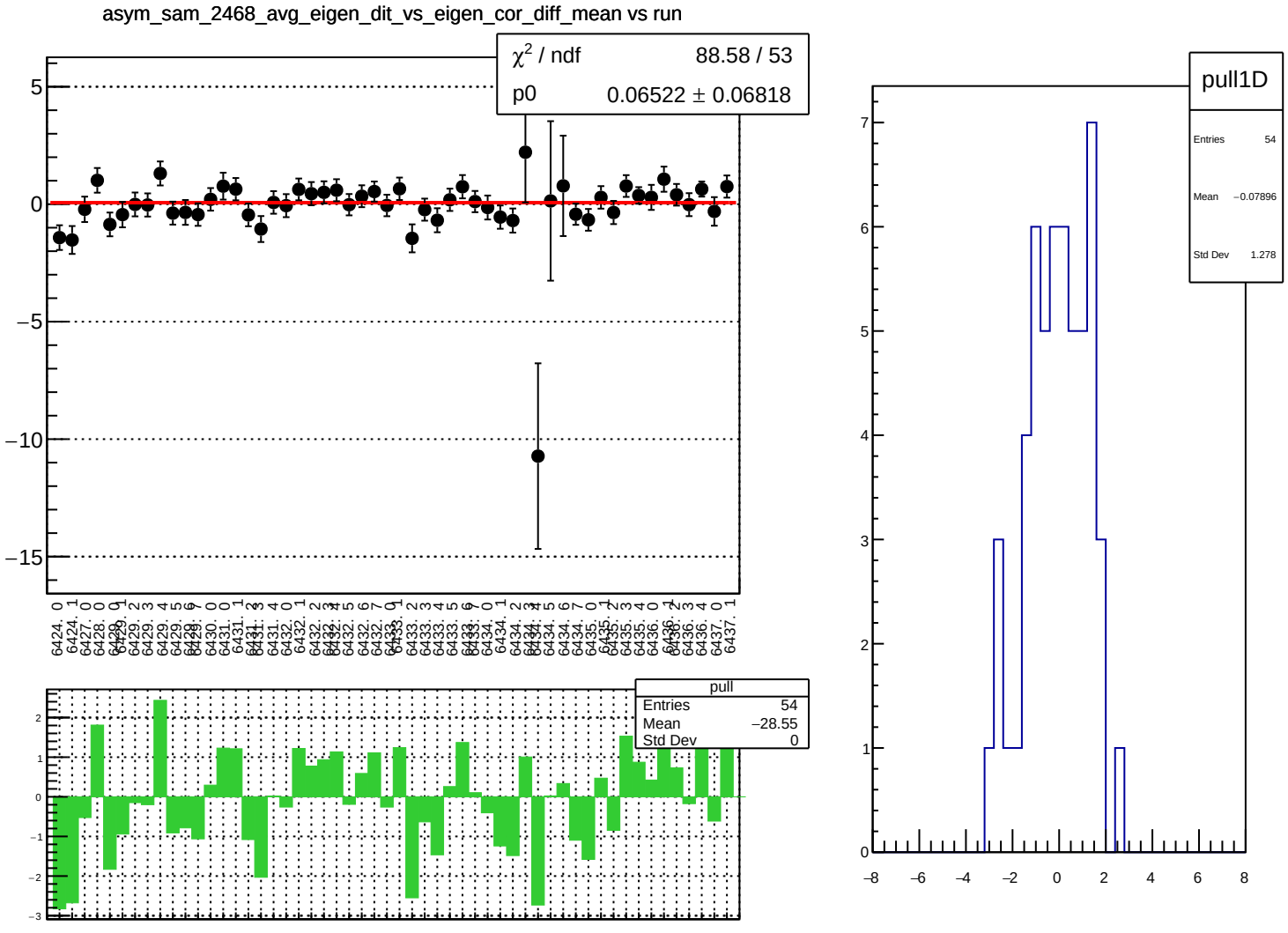
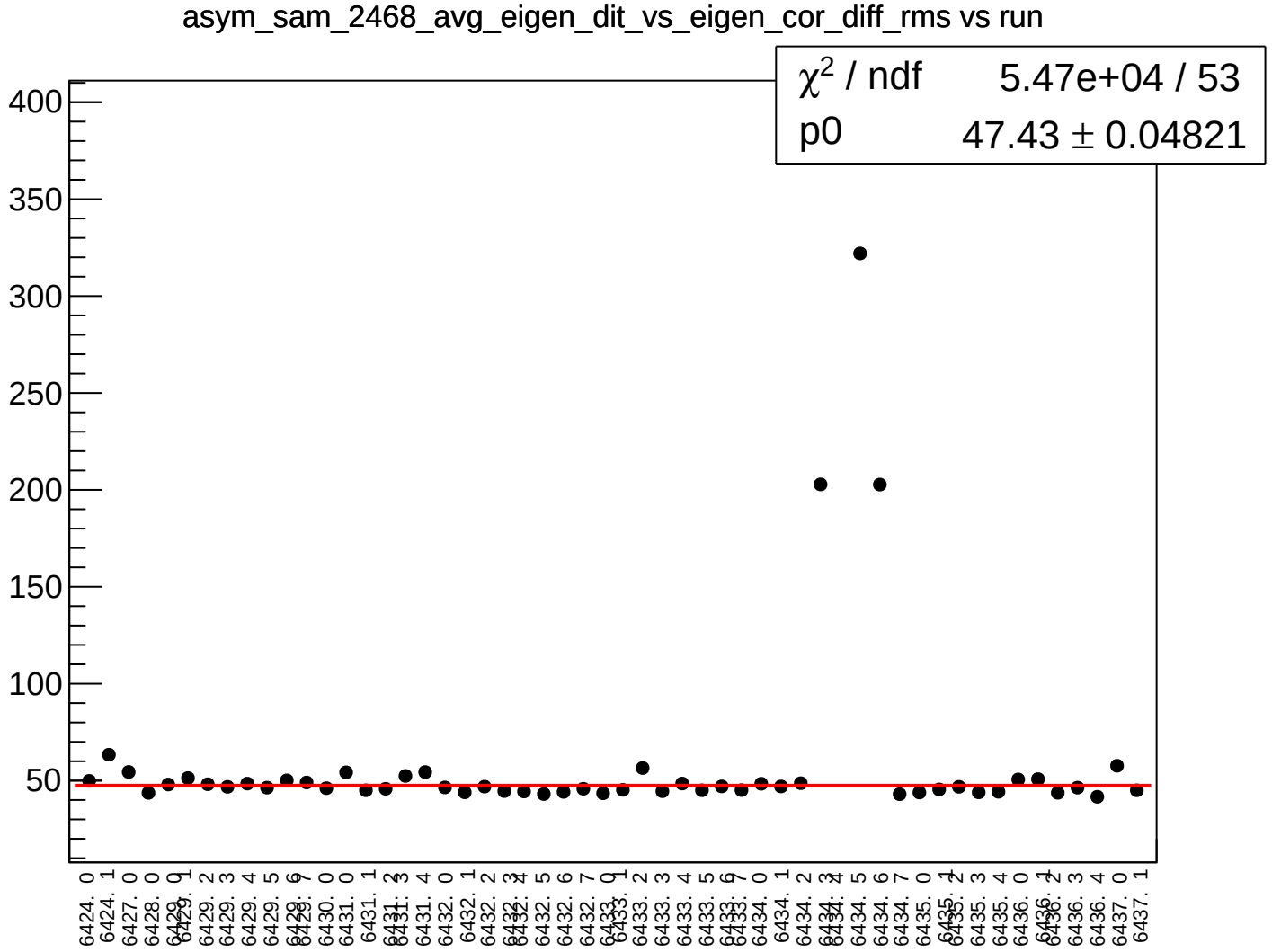
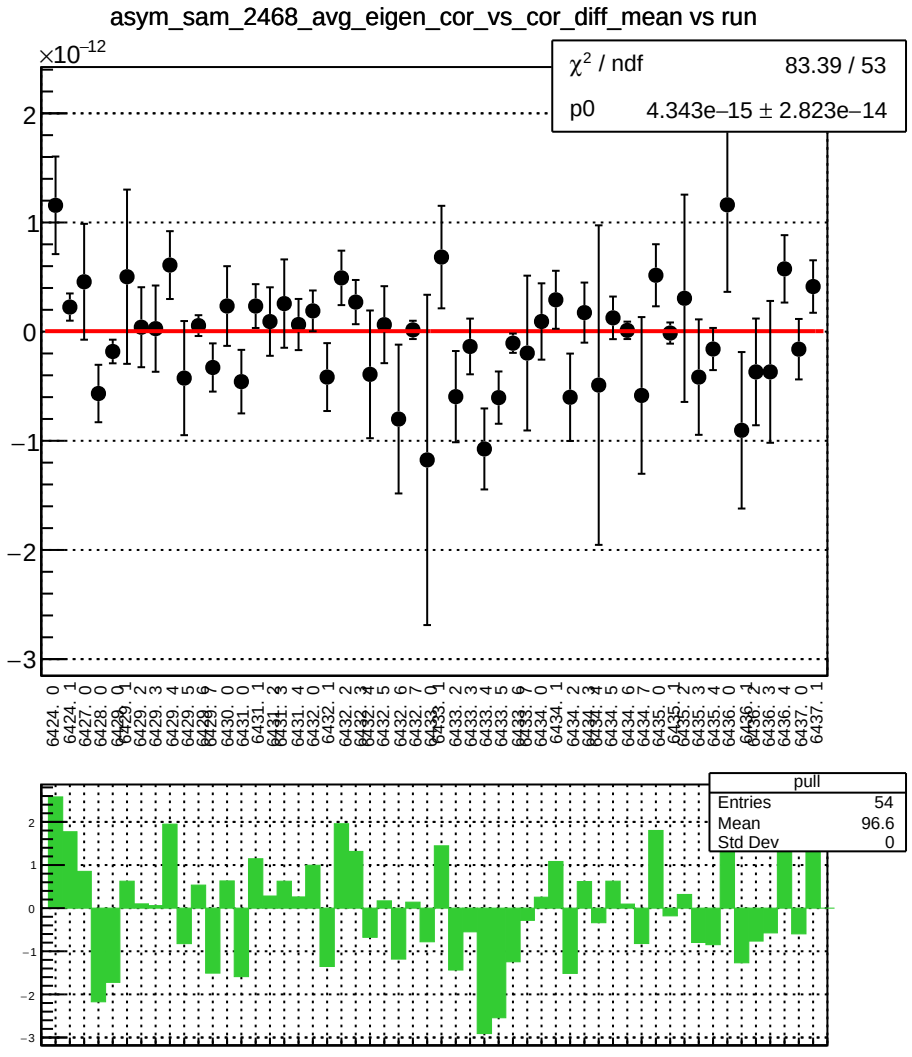
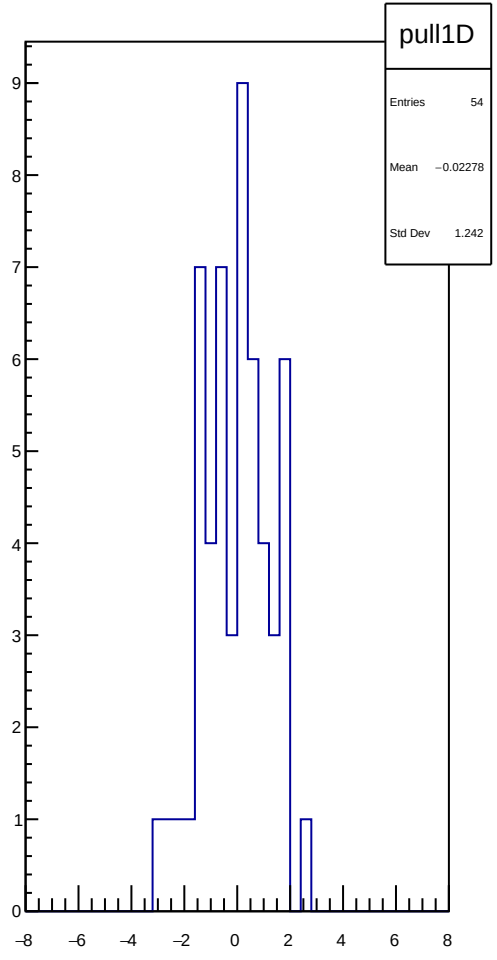
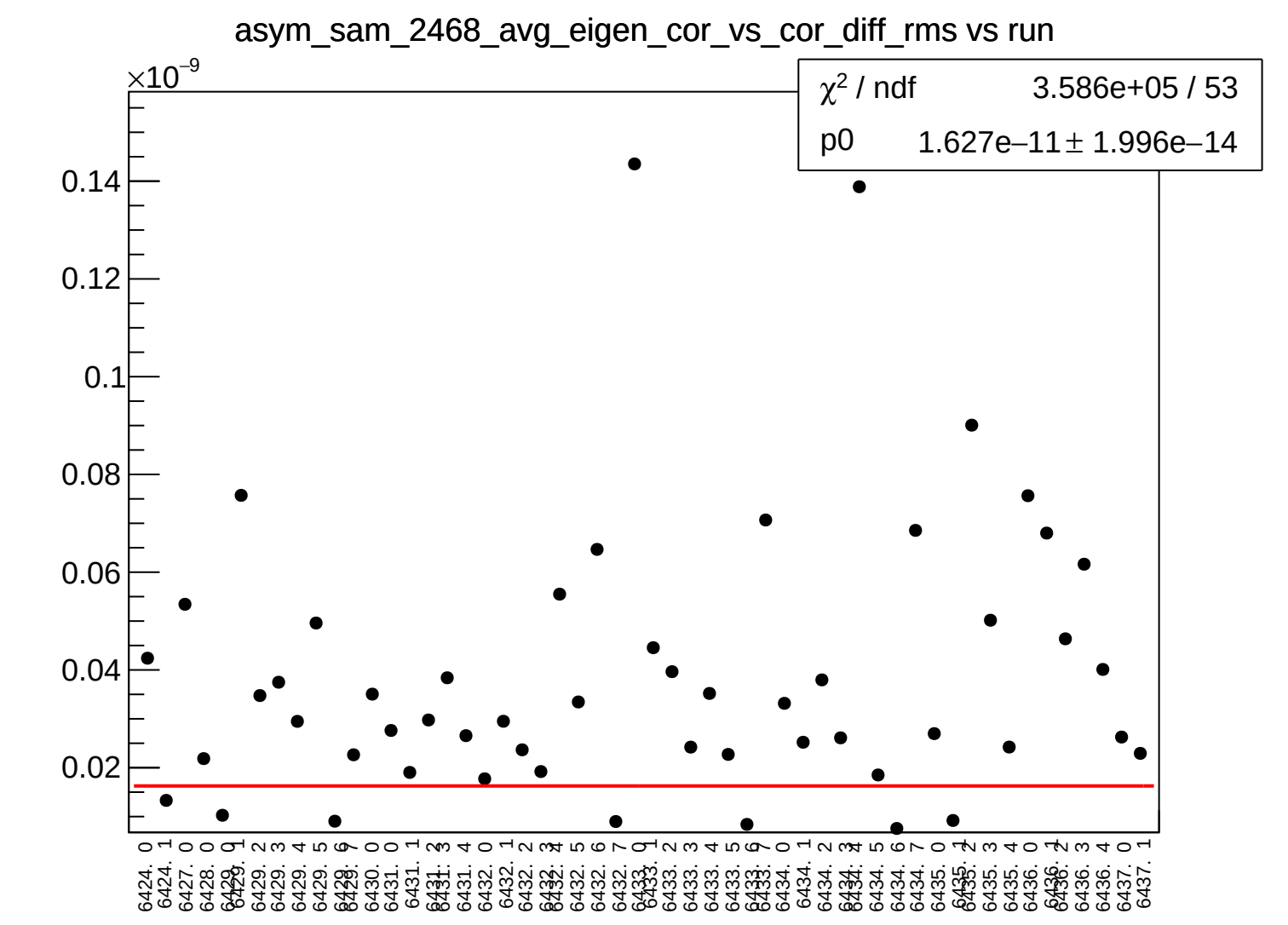
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.58 / 53
p0 0.06522 ± 0.06818
pull
Entries 54
Mean −28.55
Std Dev 0
pull1D
Entries 54
Mean −0.07896
Std Dev 1.278


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.47e+04 / 53
p0 47.43 ± 0.04821
400
350
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.39 / 53
p0 4.343e−15 ± 2.823e−14
pull
Entries 54
Mean 96.6
Std Dev 0


pull1D
Entries 54
Mean −0.02278
Std Dev 1.242


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.586e+05 / 53
p0 1.627e−11 ± 1.996e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
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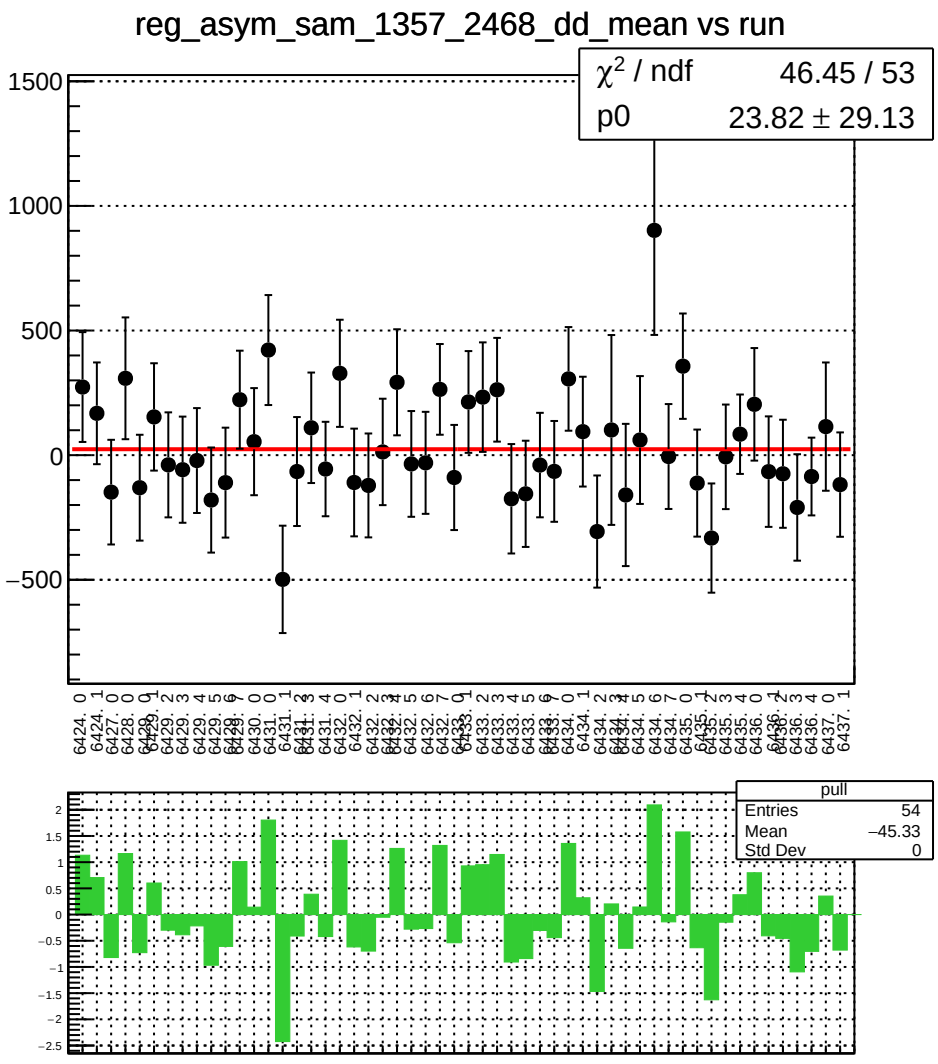
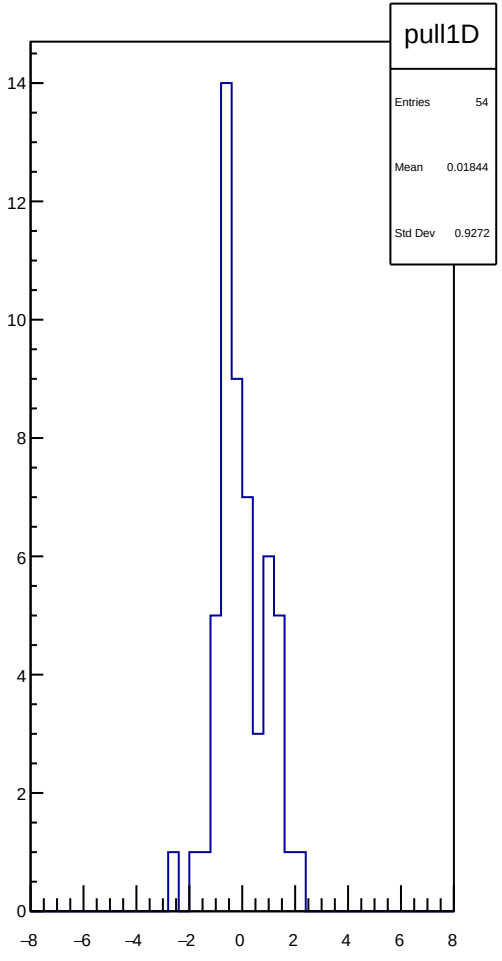
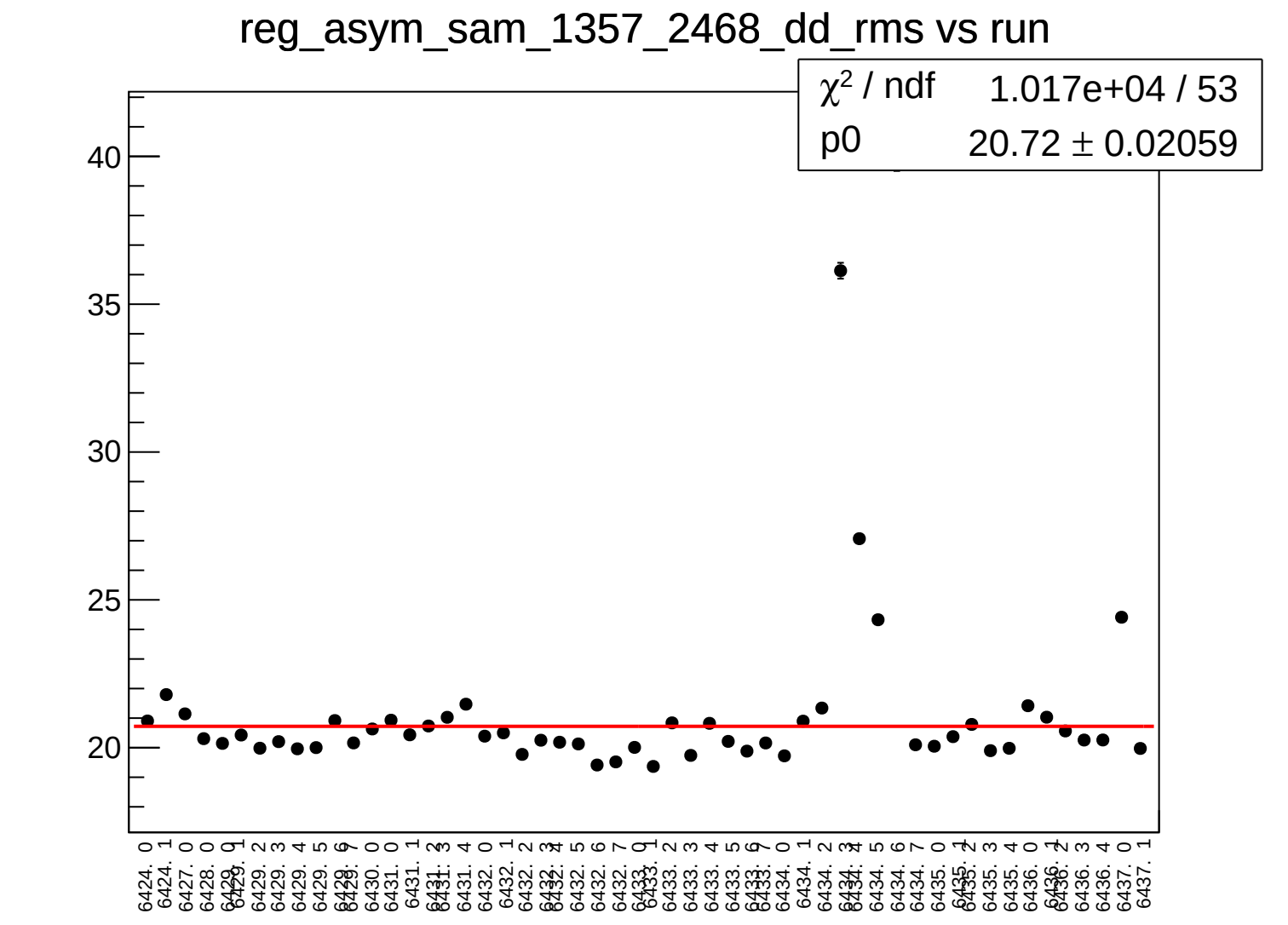
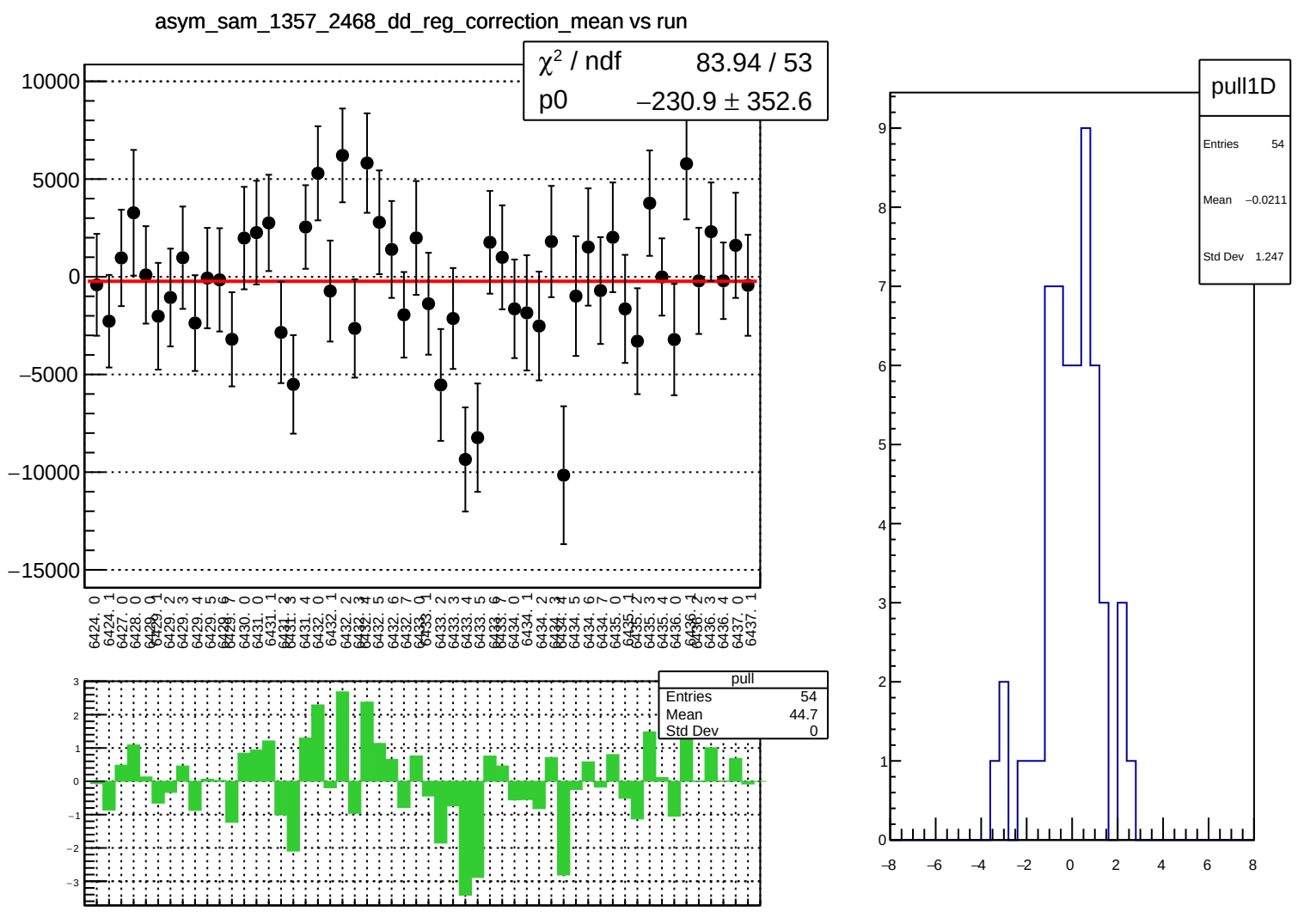
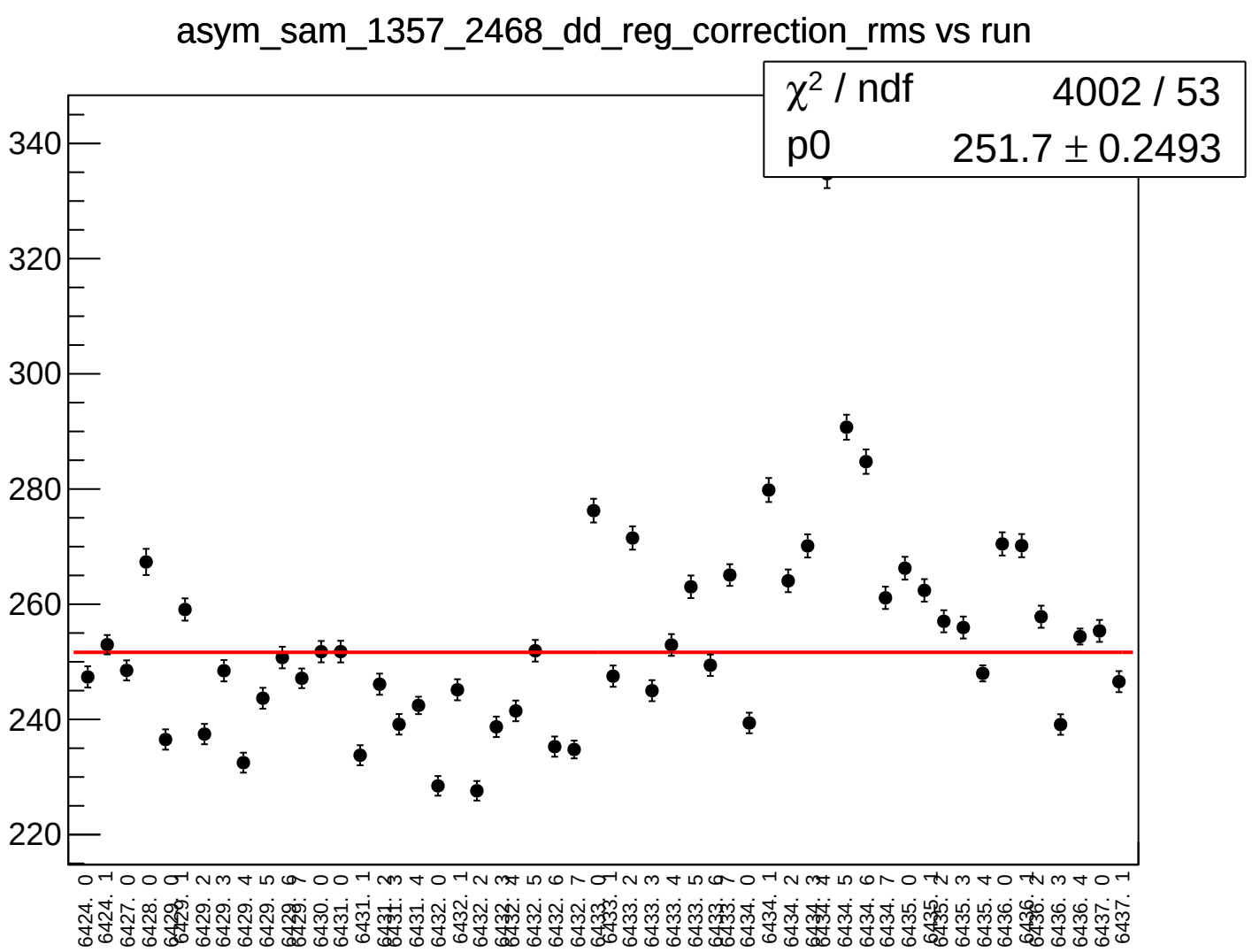
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

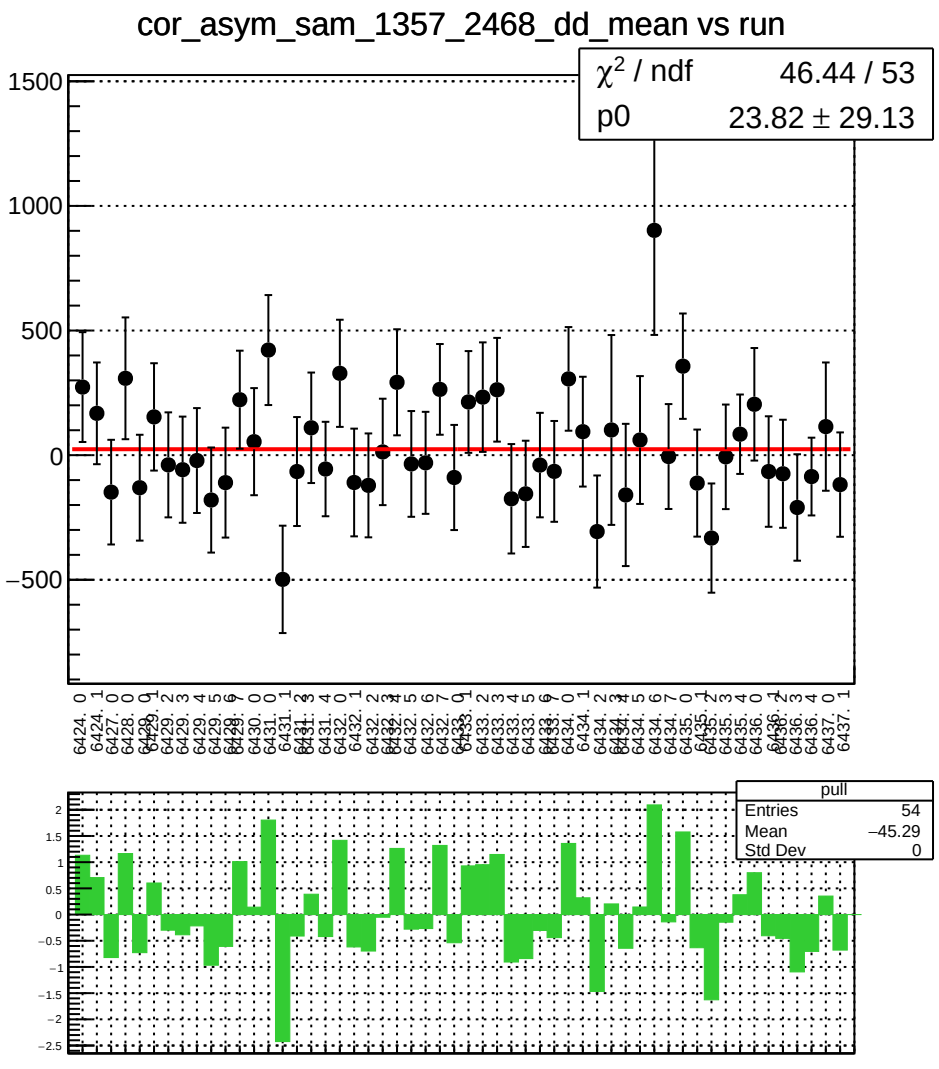

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 46.45 / 53
p0 23.82 ± 29.13
1500
1000
500
0
−500
pull
Entries 54
Mean −45.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

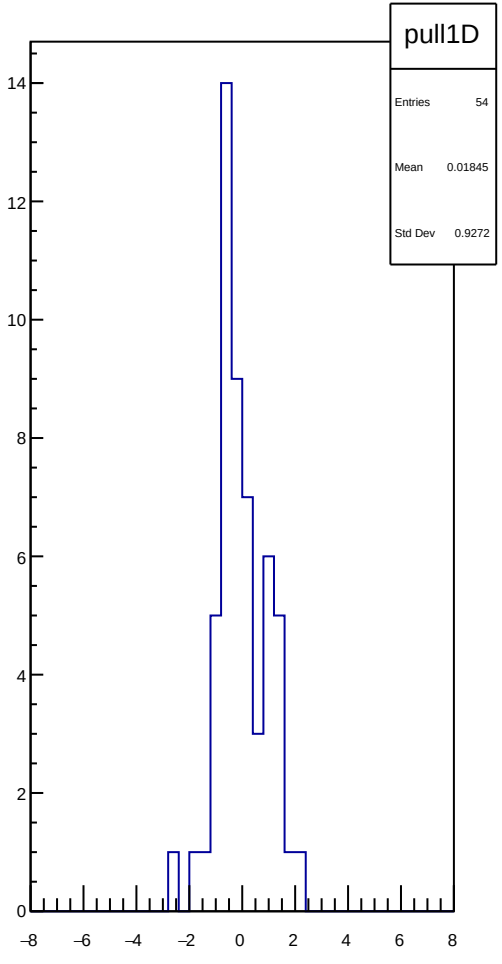

pull1D
Entries 54
Mean 0.01844
Std Dev 0.9272
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

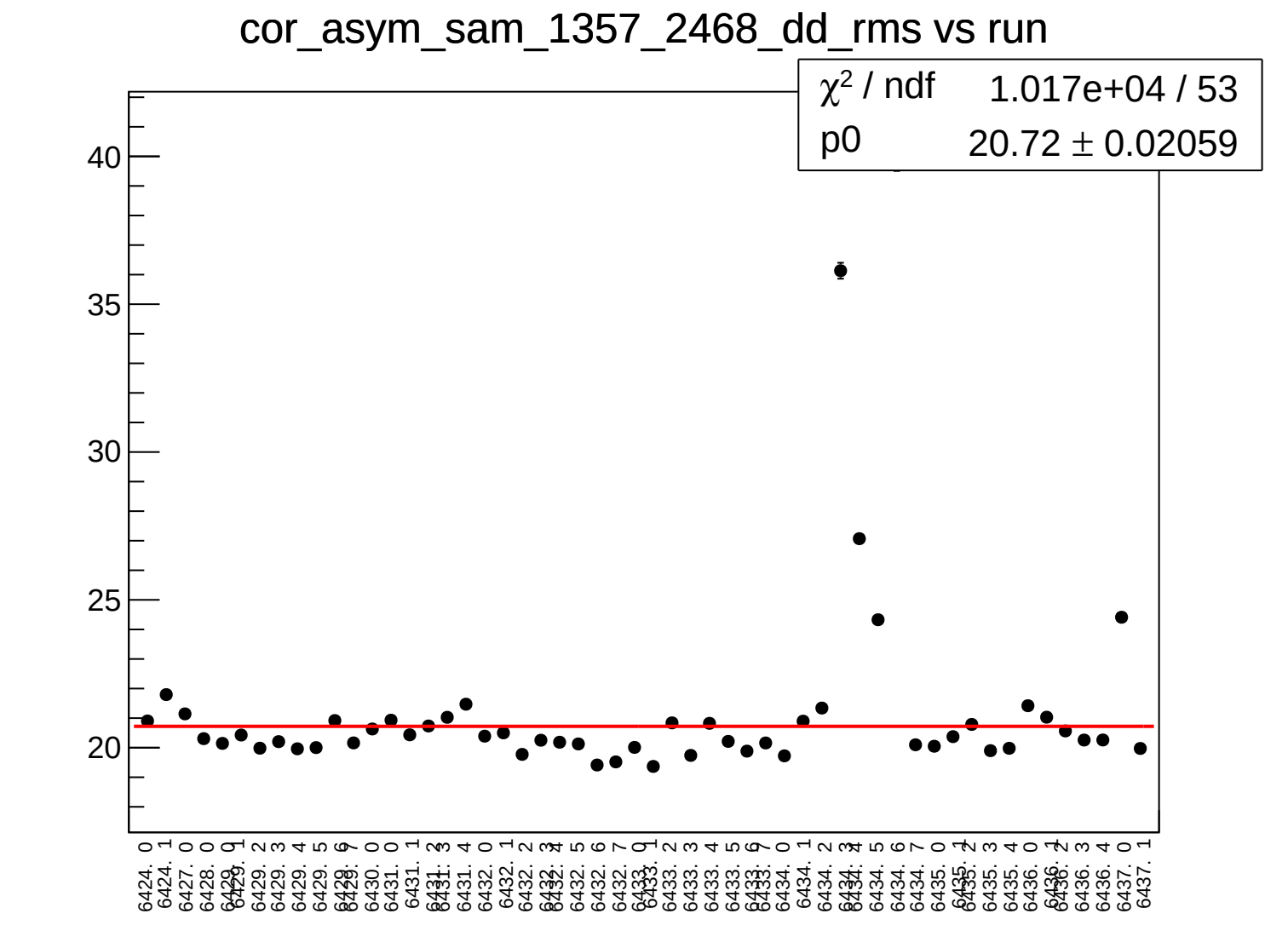

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.017e+04 / 53
p0 20.72 ± 0.02059
40
35
30
25
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

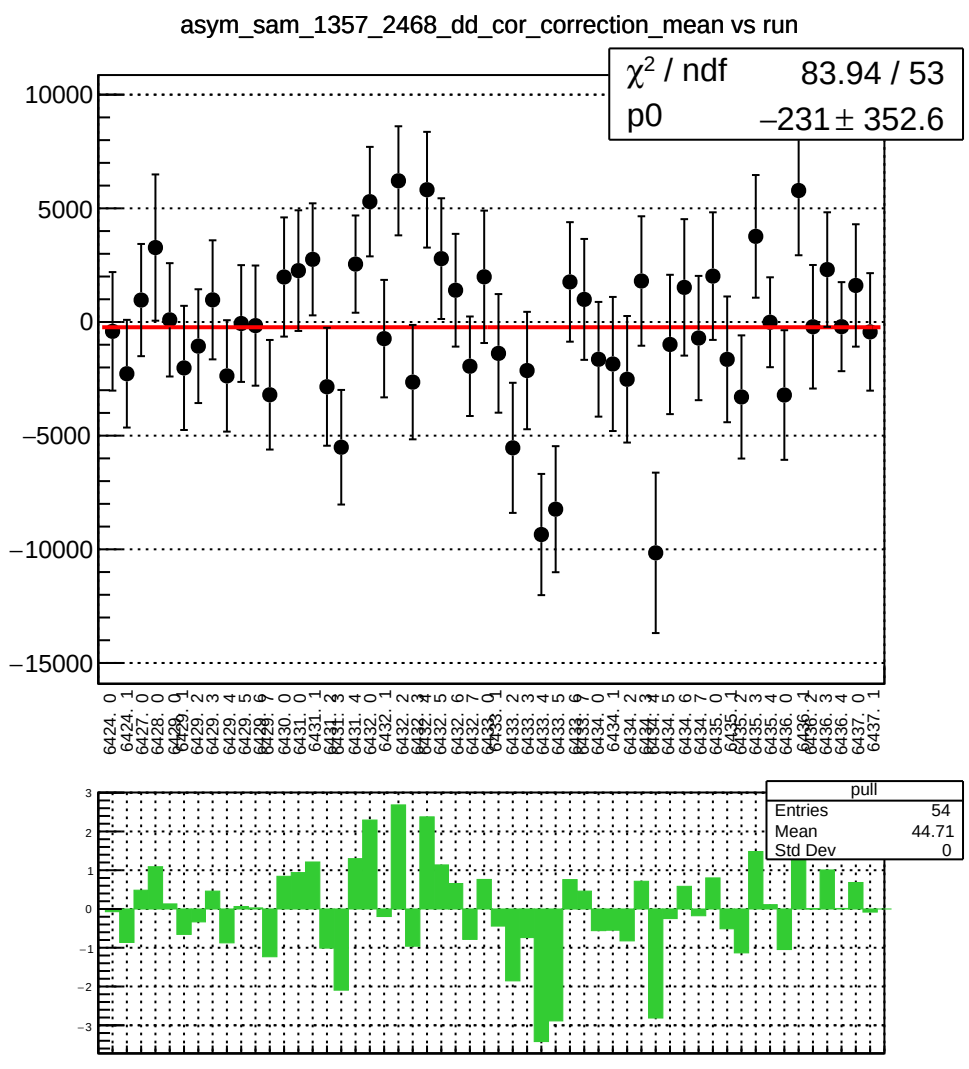

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 83.94 / 53
p0 −230.9 ± 352.6
pull
Entries 54
Mean 44.7
Std Dev 0
pull1D
Entries 54
Mean −0.0211
Std Dev 1.247

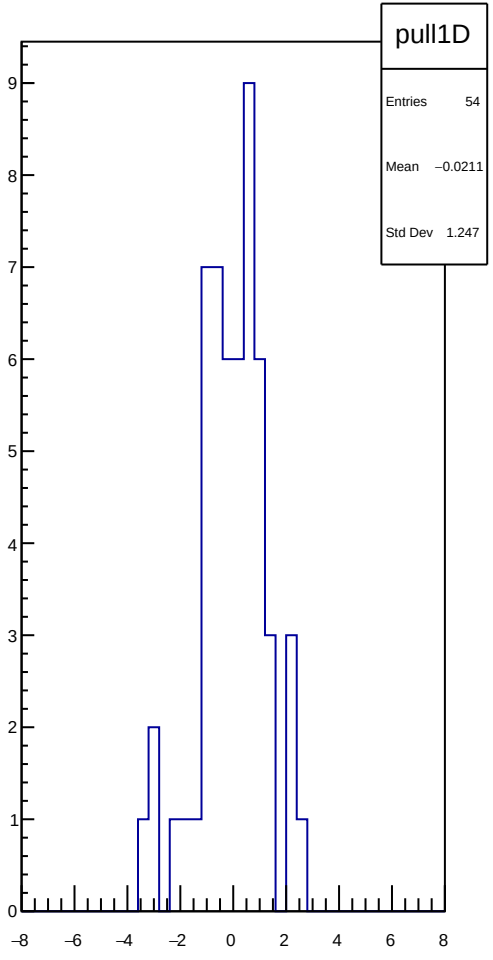

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 4002 / 53
p0 251.7 ± 0.2493
340
320
300
280
260
240
220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

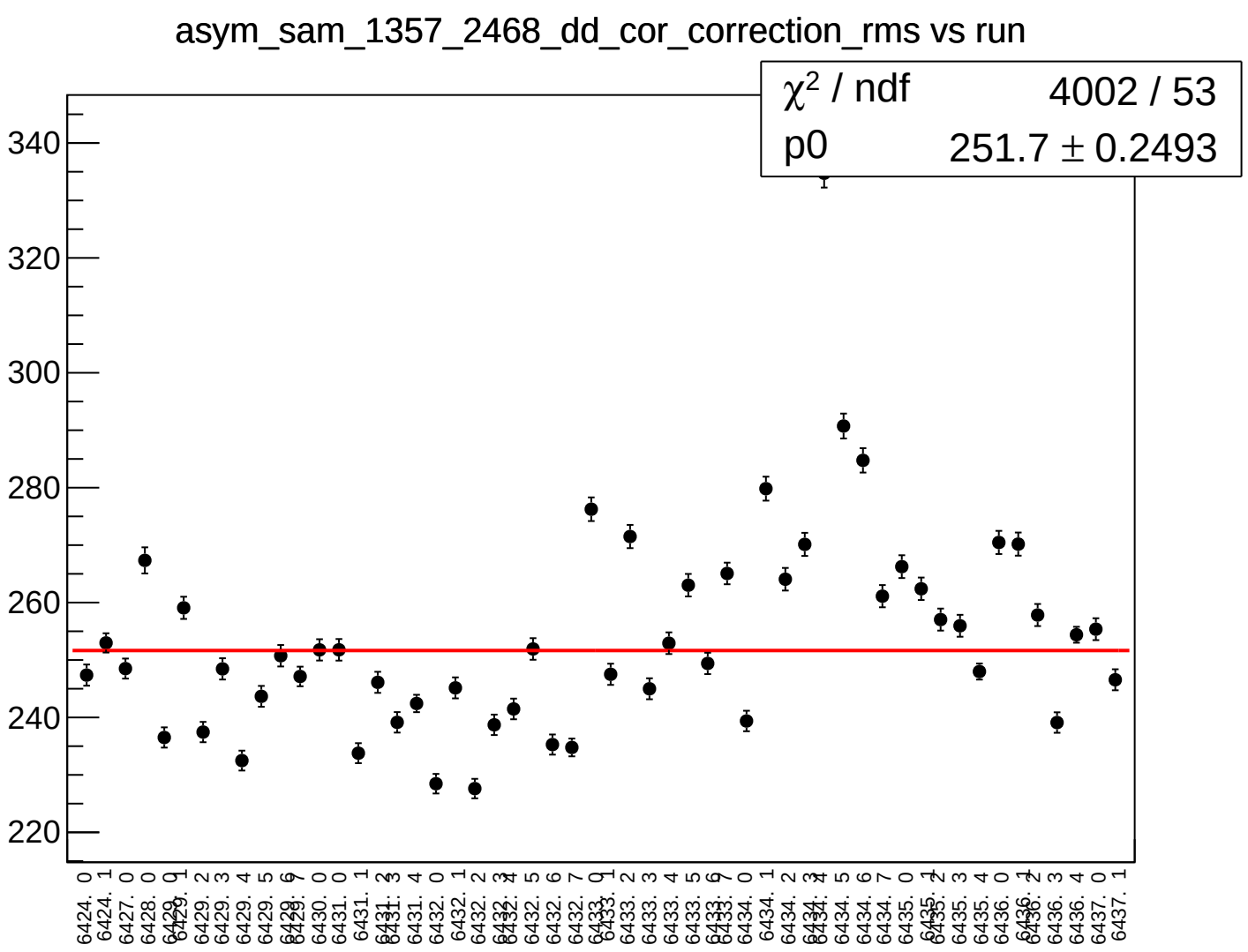

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 46.44 / 53
p0 23.82 ± 29.13
1500
1000
500
0
−500
pull
Entries 54
Mean −45.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

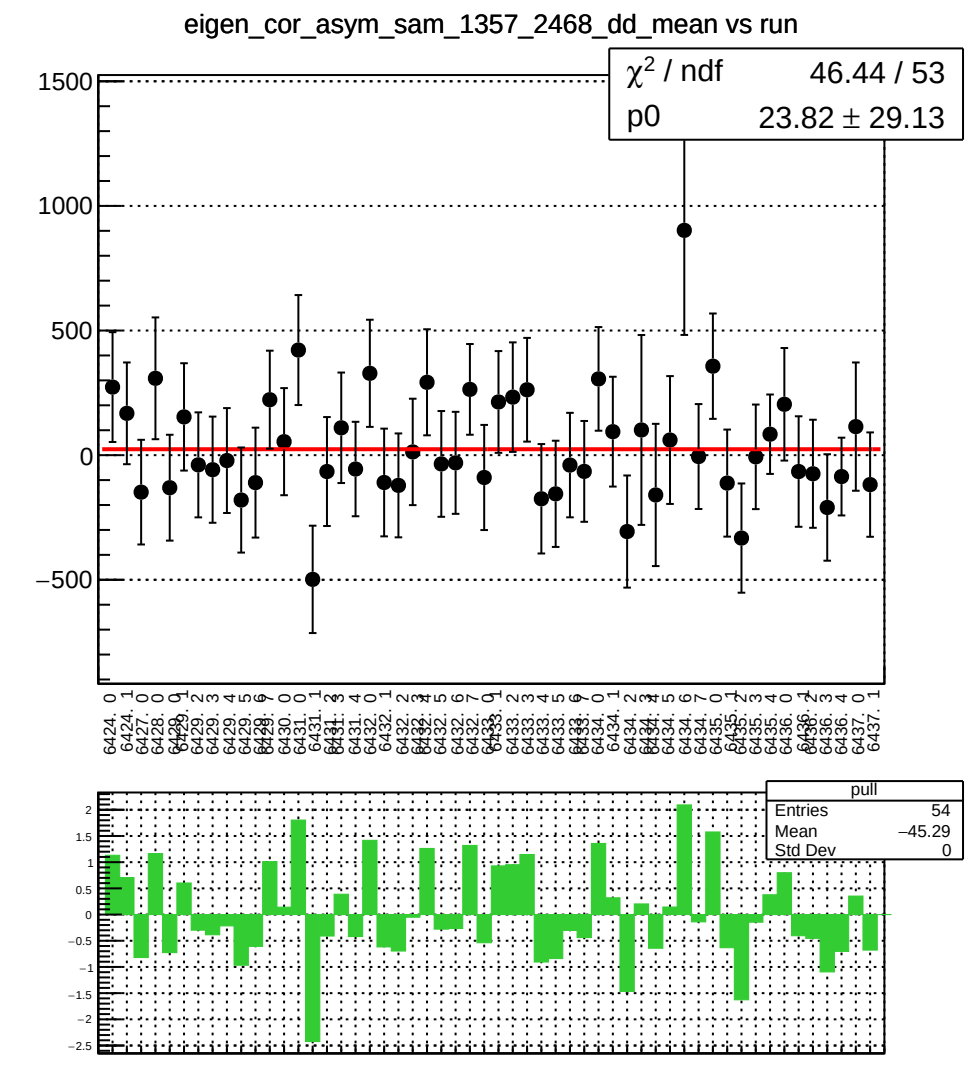

pull1D
Entries 54
Mean 0.01845
Std Dev 0.9272
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

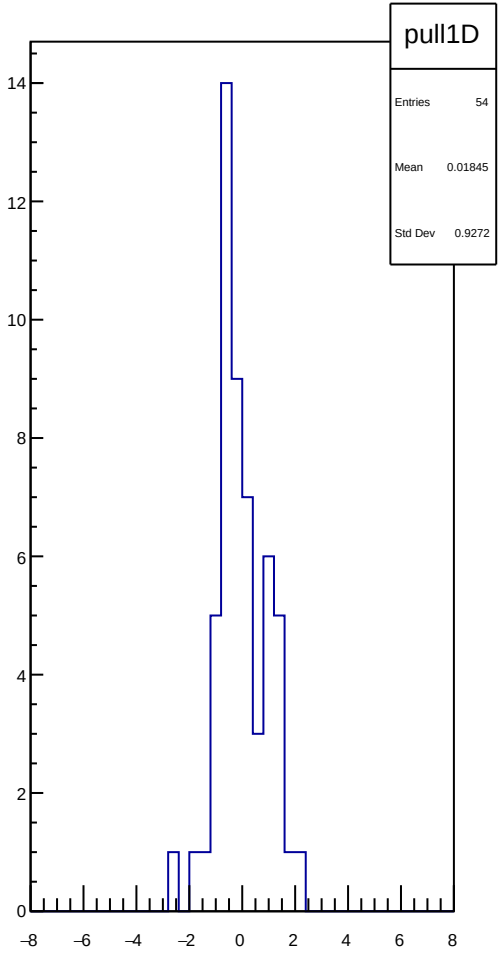

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.017e+04 / 53
p0 20.72 ± 0.02059
40
35
30
25
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

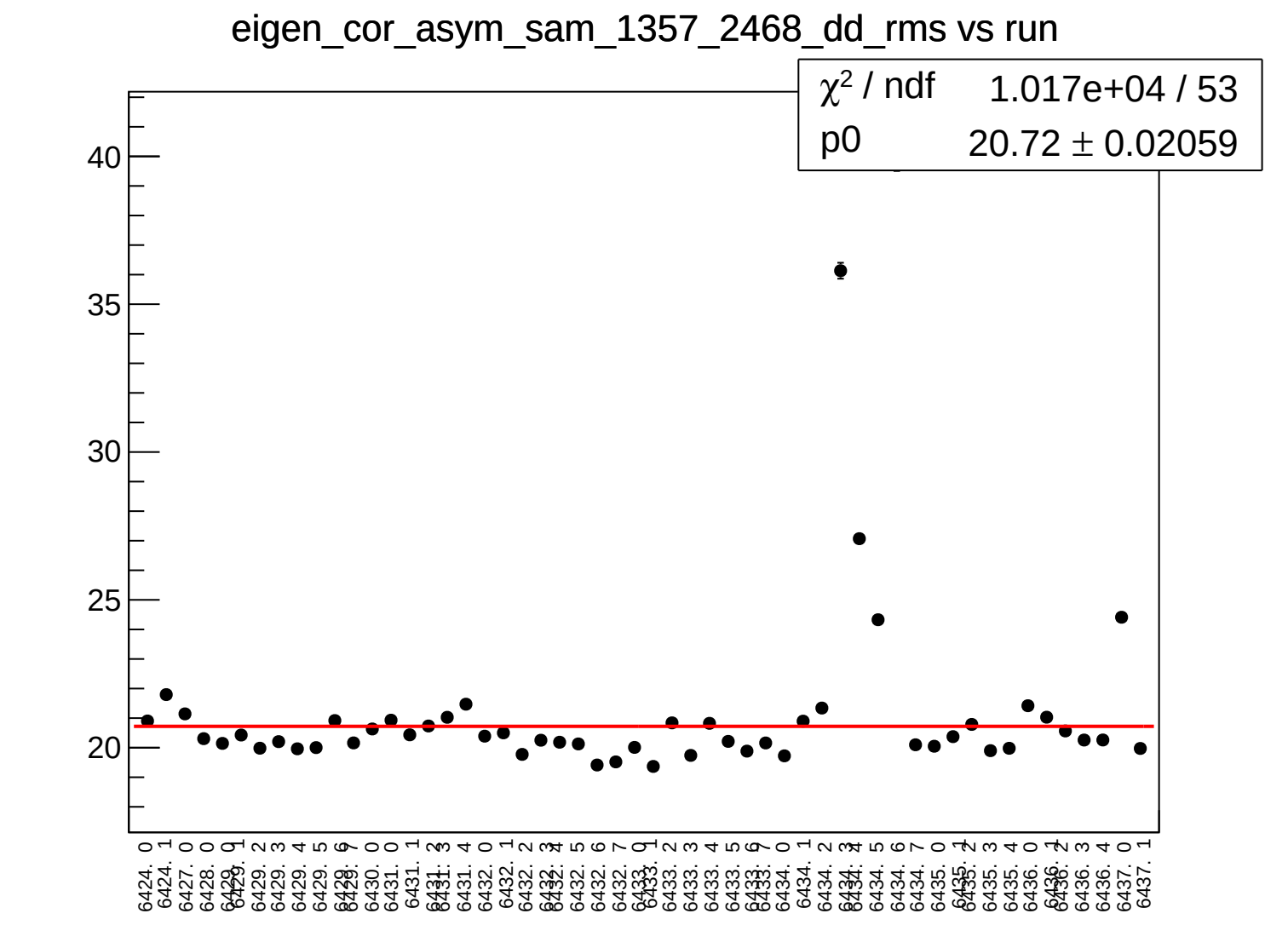

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 83.94 / 53
p0 −231 ± 352.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 44.71
Std Dev 0
3
2
1
0
−1
−2
−3

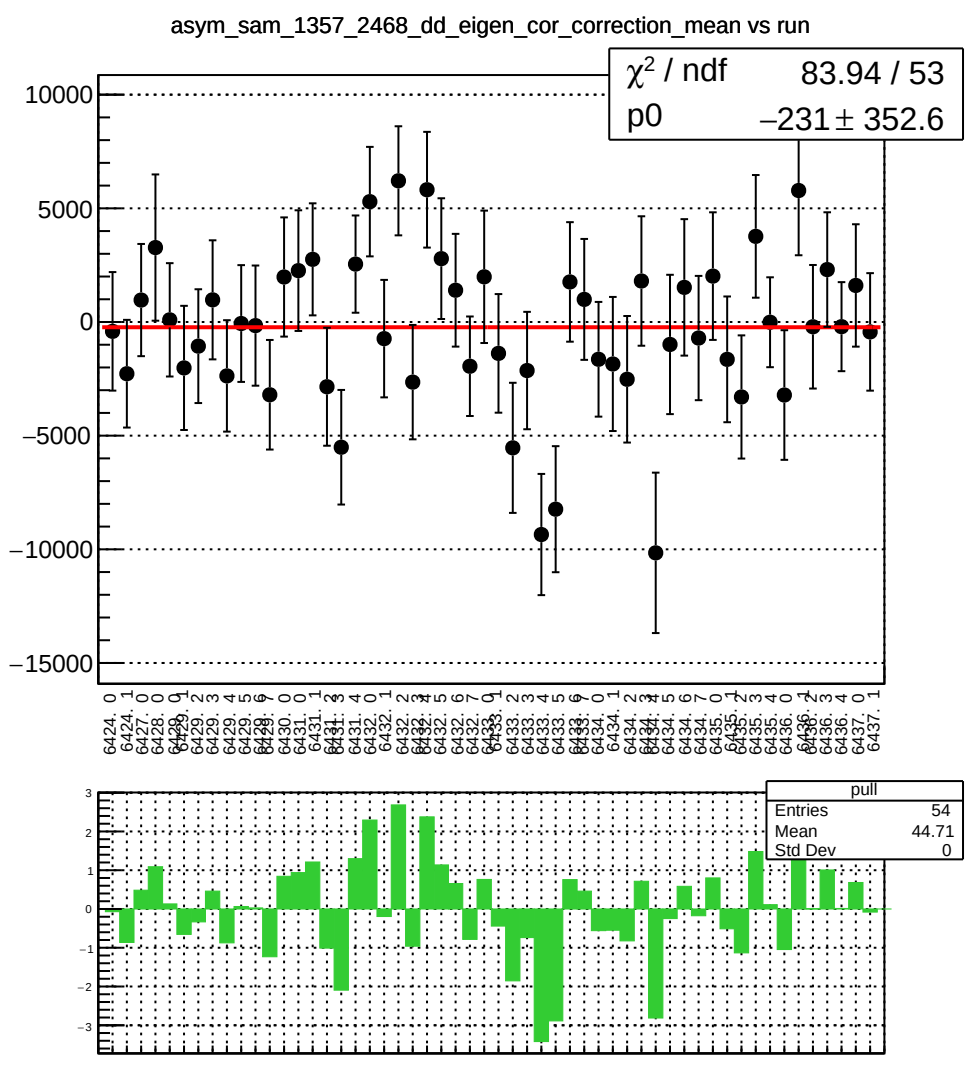

pull1D
Entries 54
Mean −0.0211
Std Dev 1.247
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

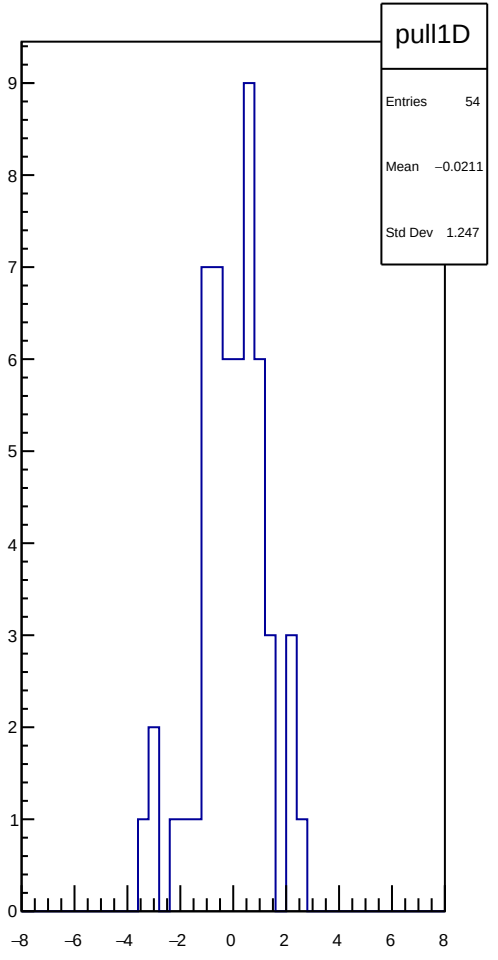

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 4002 / 53
p0 251.7 ± 0.2493
340
320
300
280
260
240
220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 46.44 / 53
p0 23.82 ± 29.13
1500
1000
500
0
−500
pull
Entries 54
Mean −45.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean 0.01845
Std Dev 0.9272
14
12
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 1.017e+04 / 53
p0 20.72 ± 0.02059
40
35
30
25
20
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.94 / 53
p0 −231 ± 352.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 44.71
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.0211
Std Dev 1.247
9
8
7
6
5
4
3
2
1
0
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−4
−2
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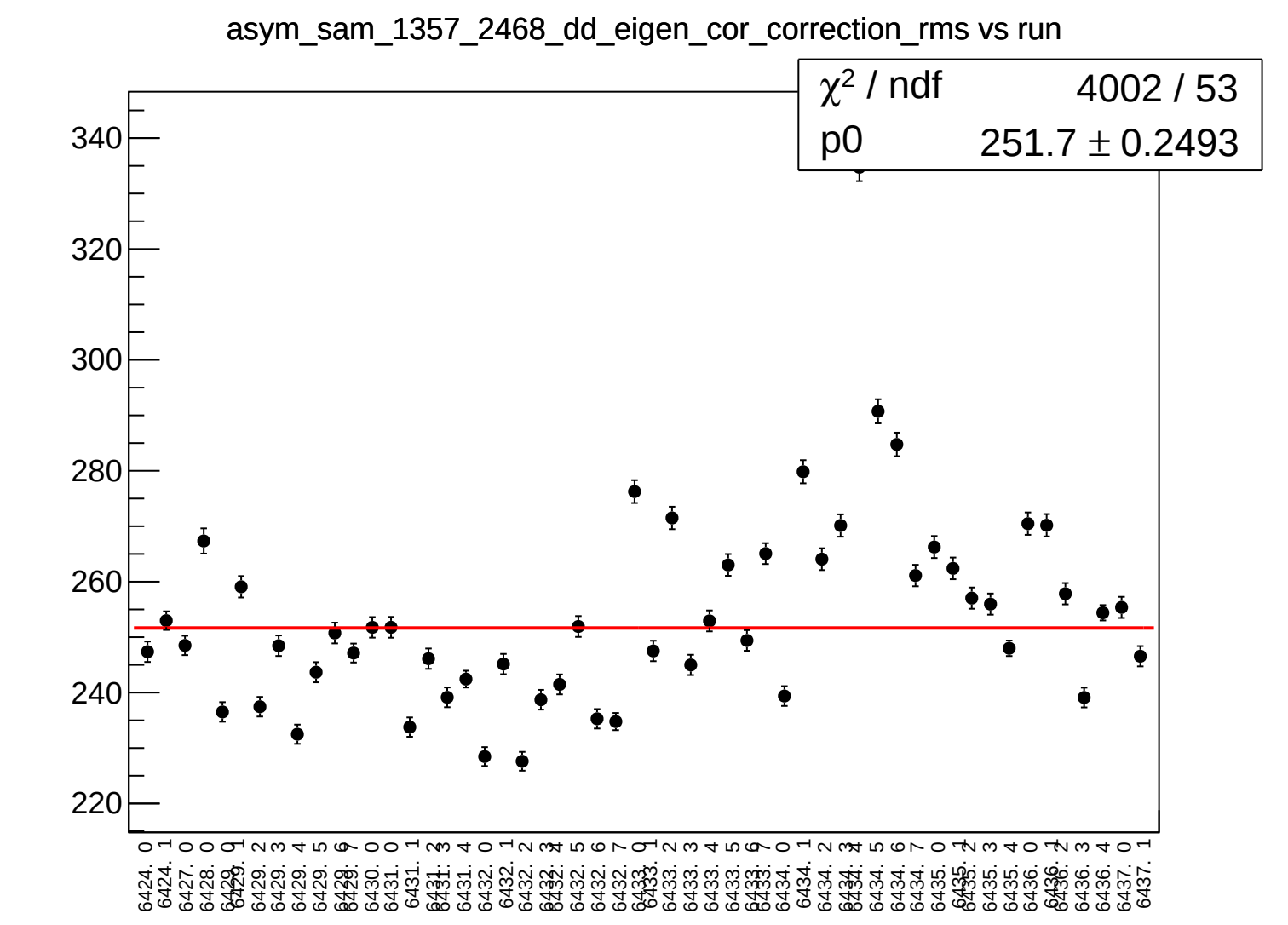
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 4002 / 53
p0 251.7 ± 0.2493
340
320
300
280
260
240
220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
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6433. 1
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6433. 6
6433. 7
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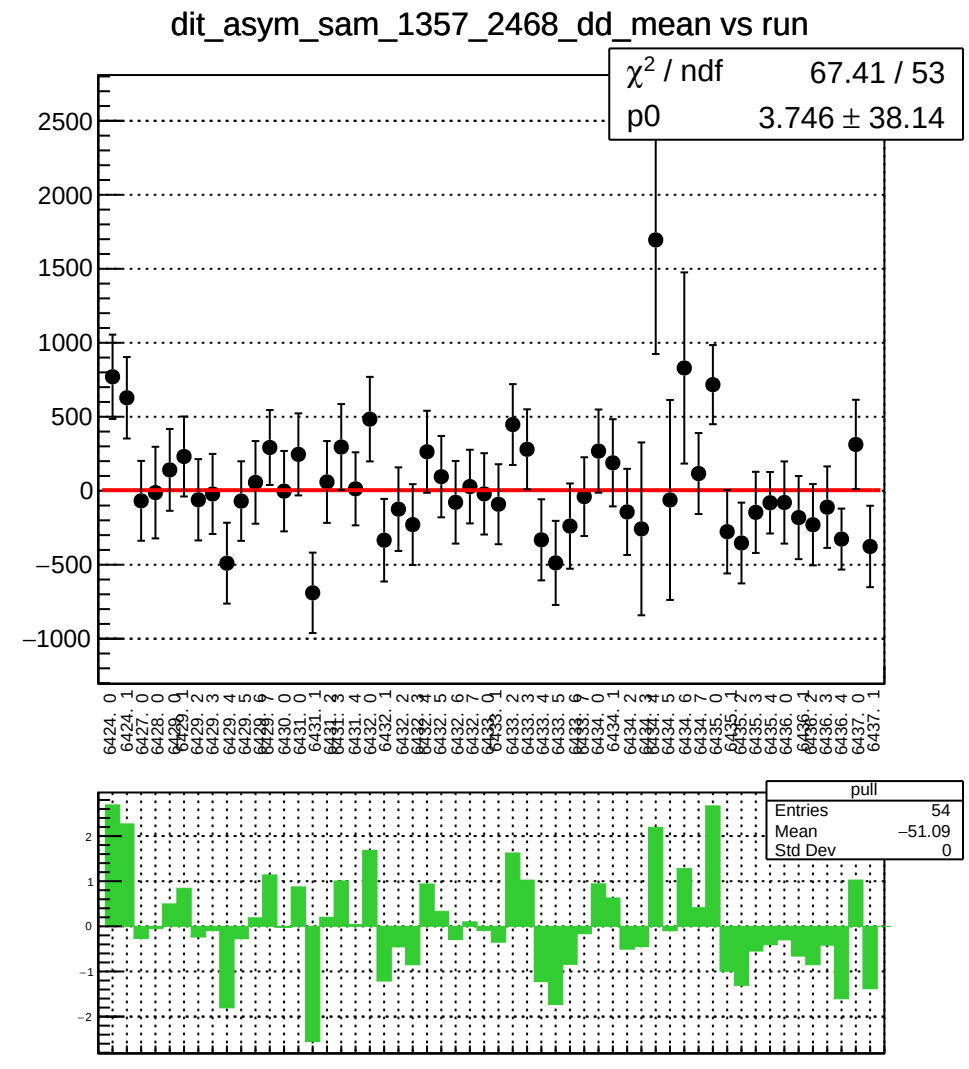
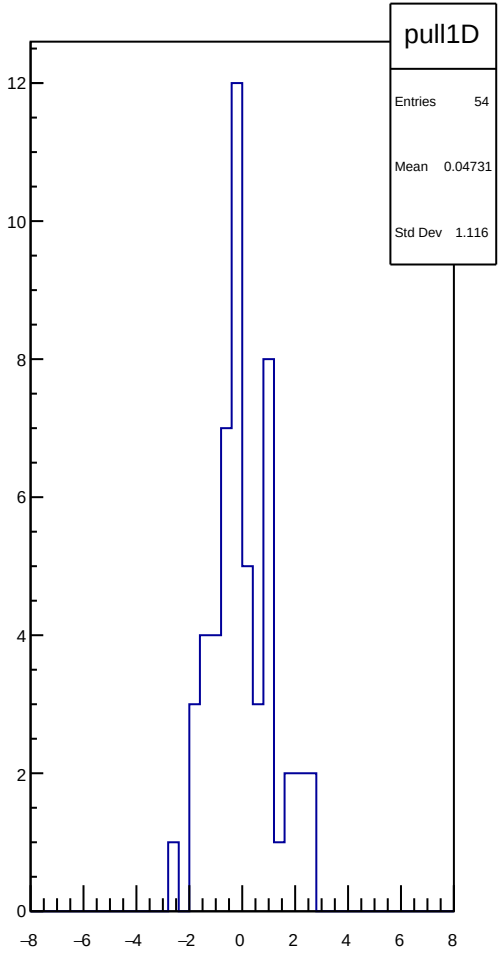
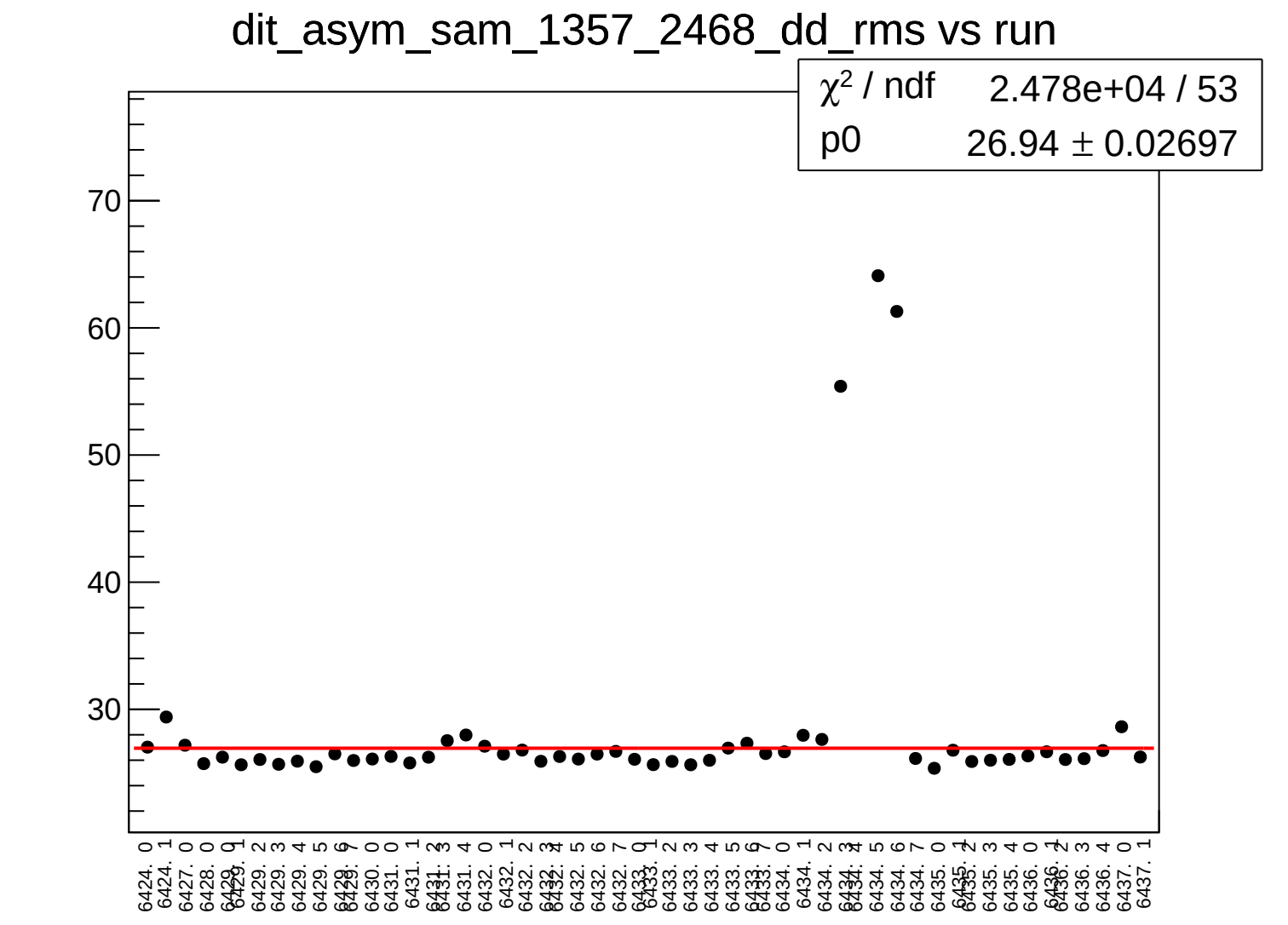
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1


dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 67.41 / 53
p0 3.746 ± 38.14
pull
Entries 54
Mean −51.09
Std Dev 0


pull1D
Entries 54
Mean 0.04731
Std Dev 1.116


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.478e+04 / 53
p0 26.94 ± 0.02697
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
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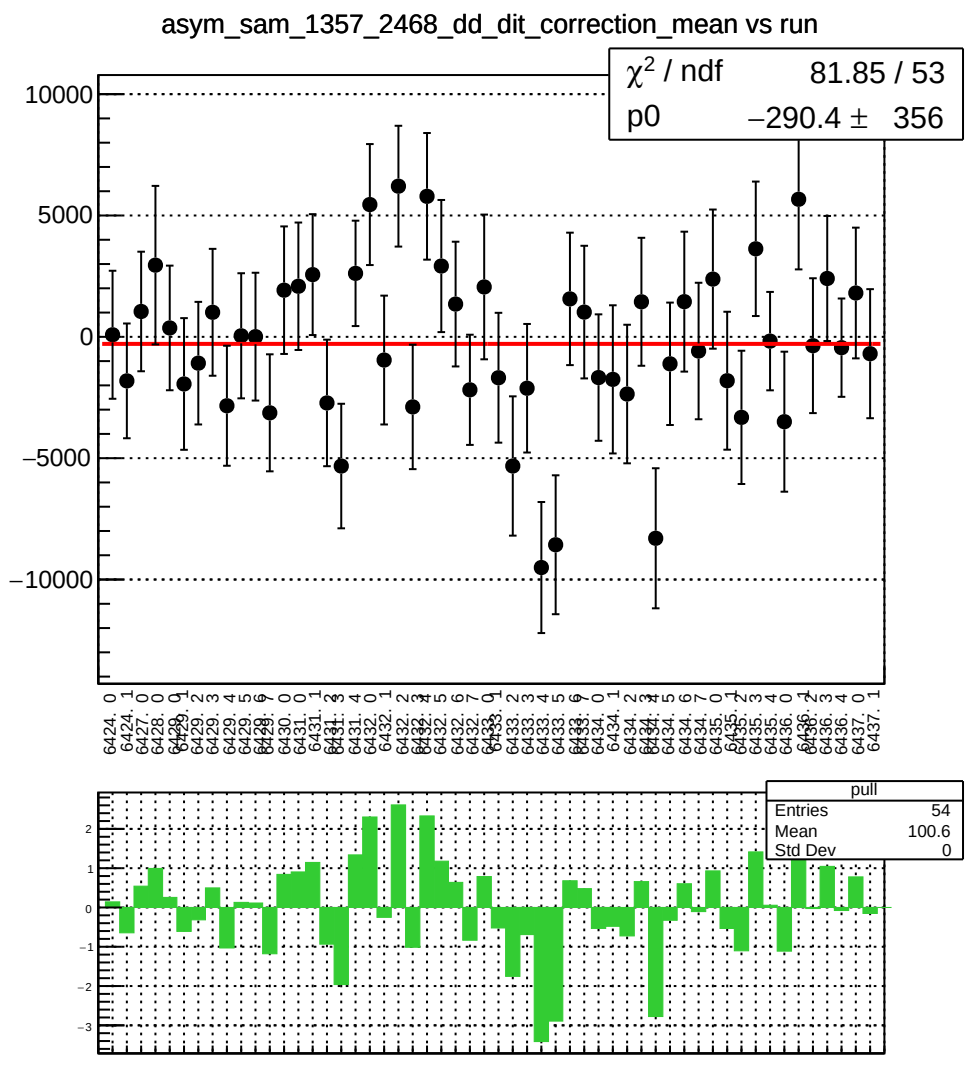
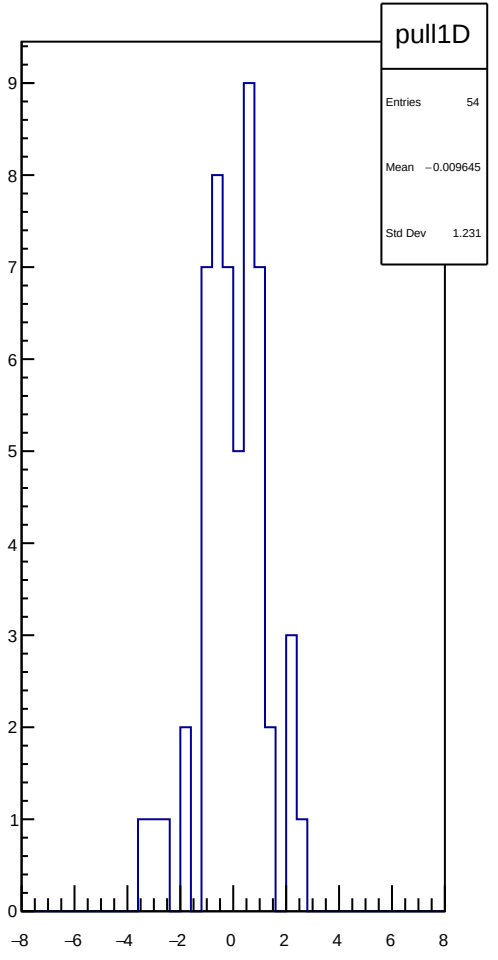
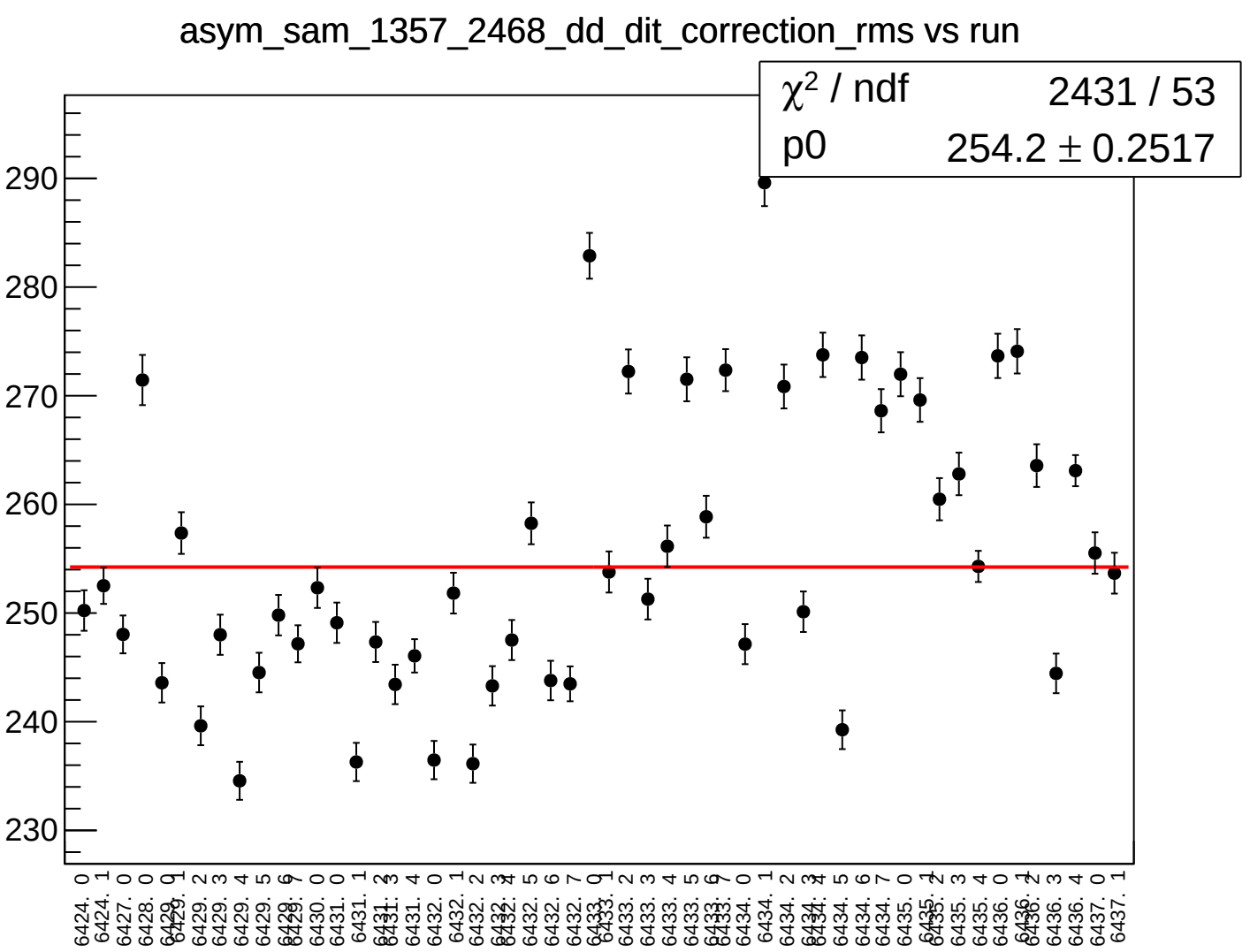
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 81.85 / 53
p0 −290.4 ± 356
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 100.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.009645
Std Dev 1.231
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 2431 / 53
p0 254.2 ± 0.2517
290
280
270
260
250
240
230
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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6434. 0
6434. 1
6434. 2
6434. 5
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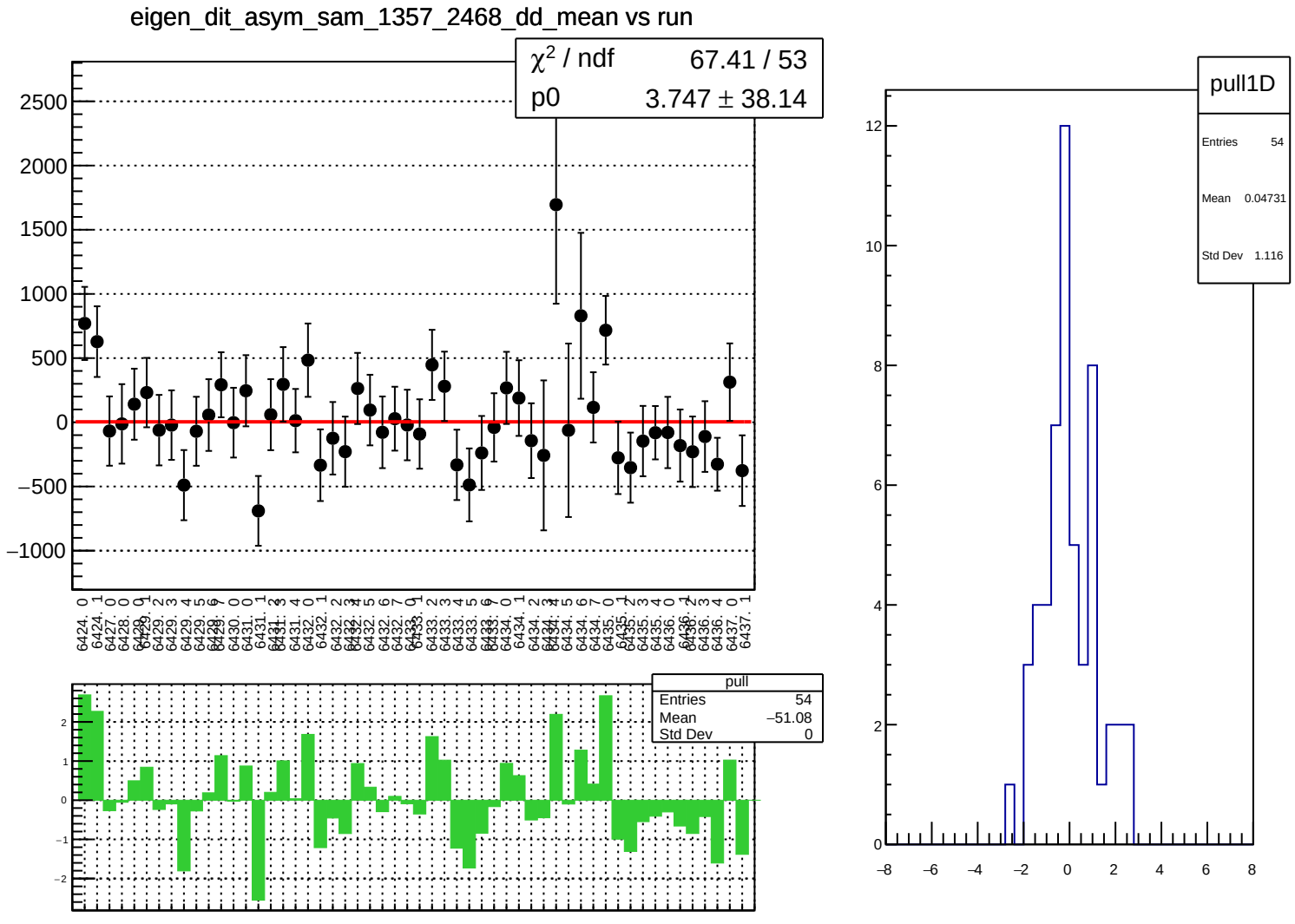
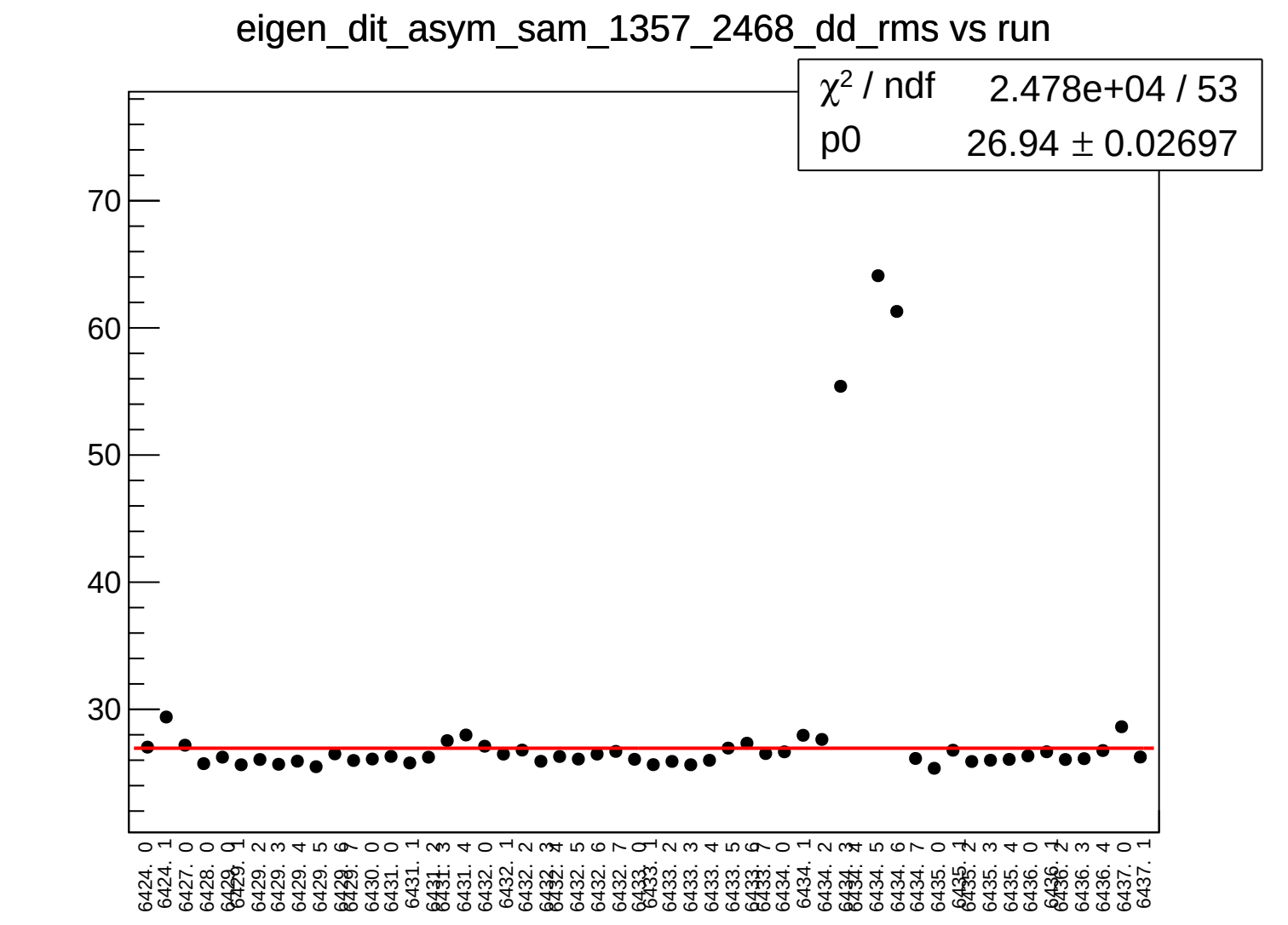
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 67.41 / 53
p0 3.747 ± 38.14
pull
Entries 54
Mean −51.08
Std Dev 0
pull1D
Entries 54
Mean 0.04731
Std Dev 1.116


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.478e+04 / 53
p0 26.94 ± 0.02697
70
60
50
40
30
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
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6435. 3
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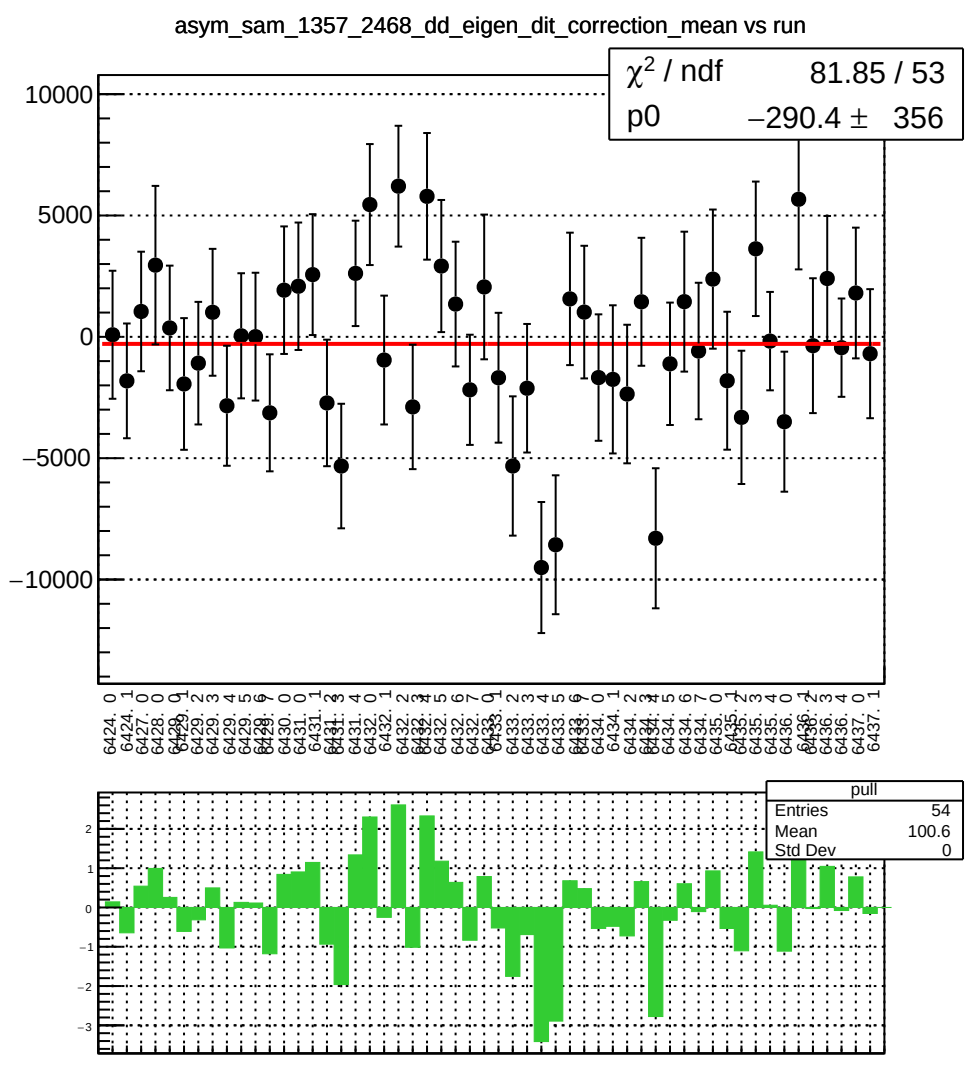
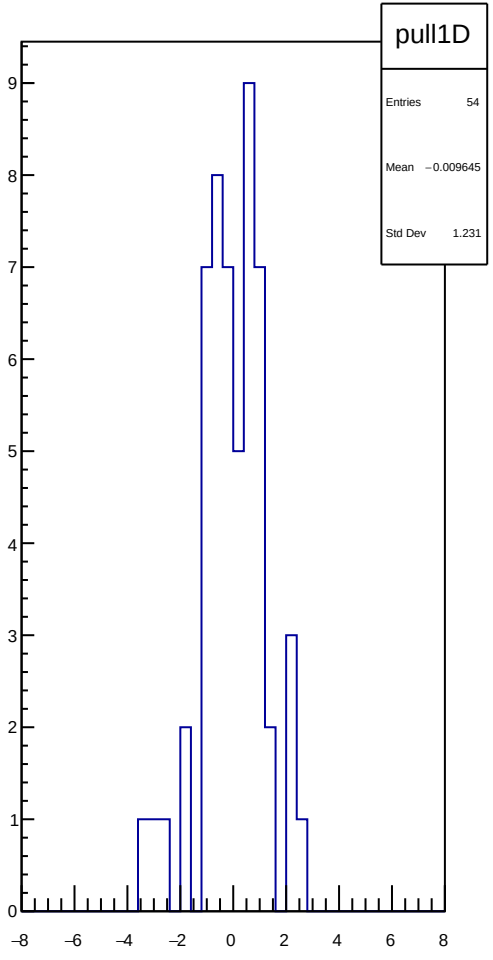
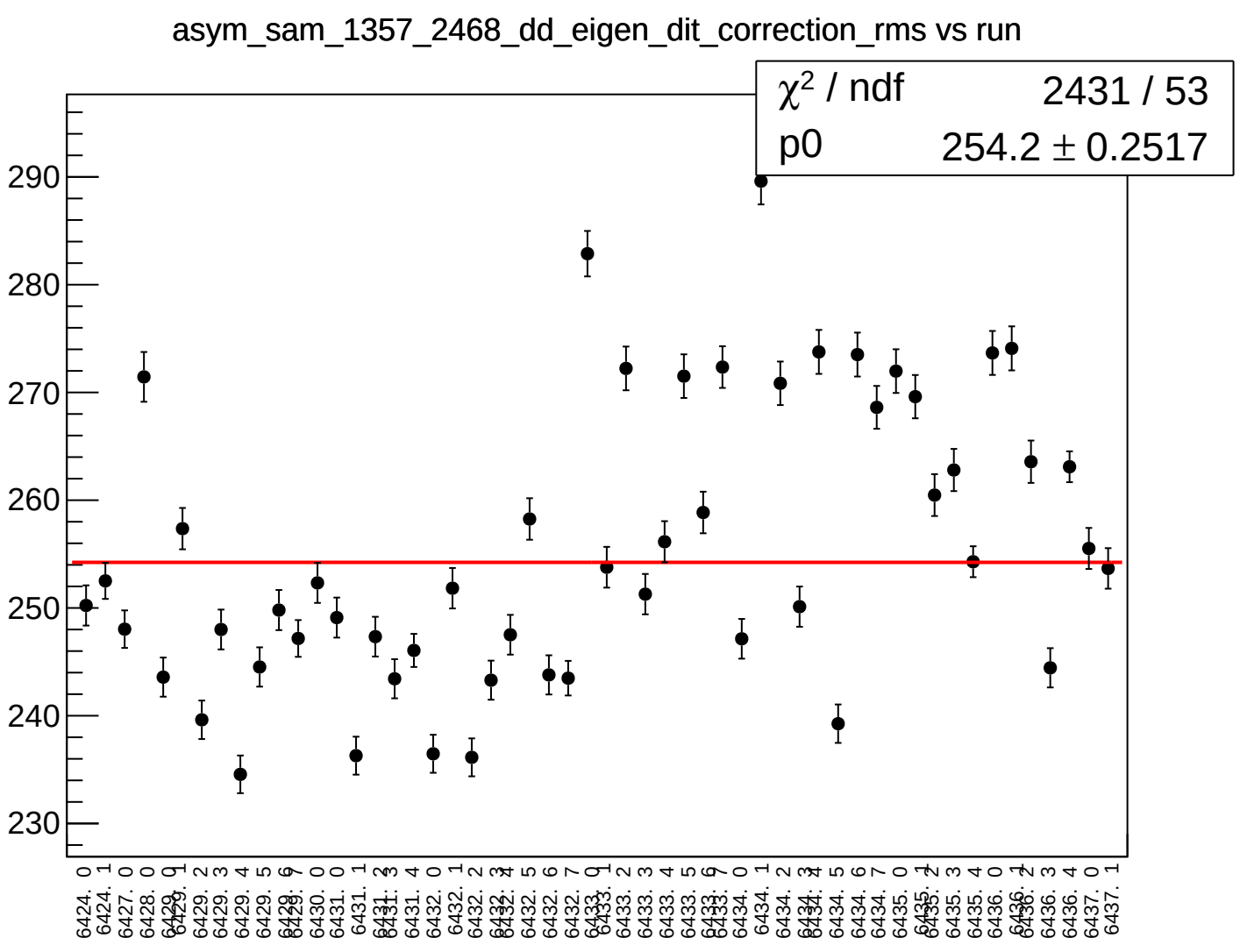
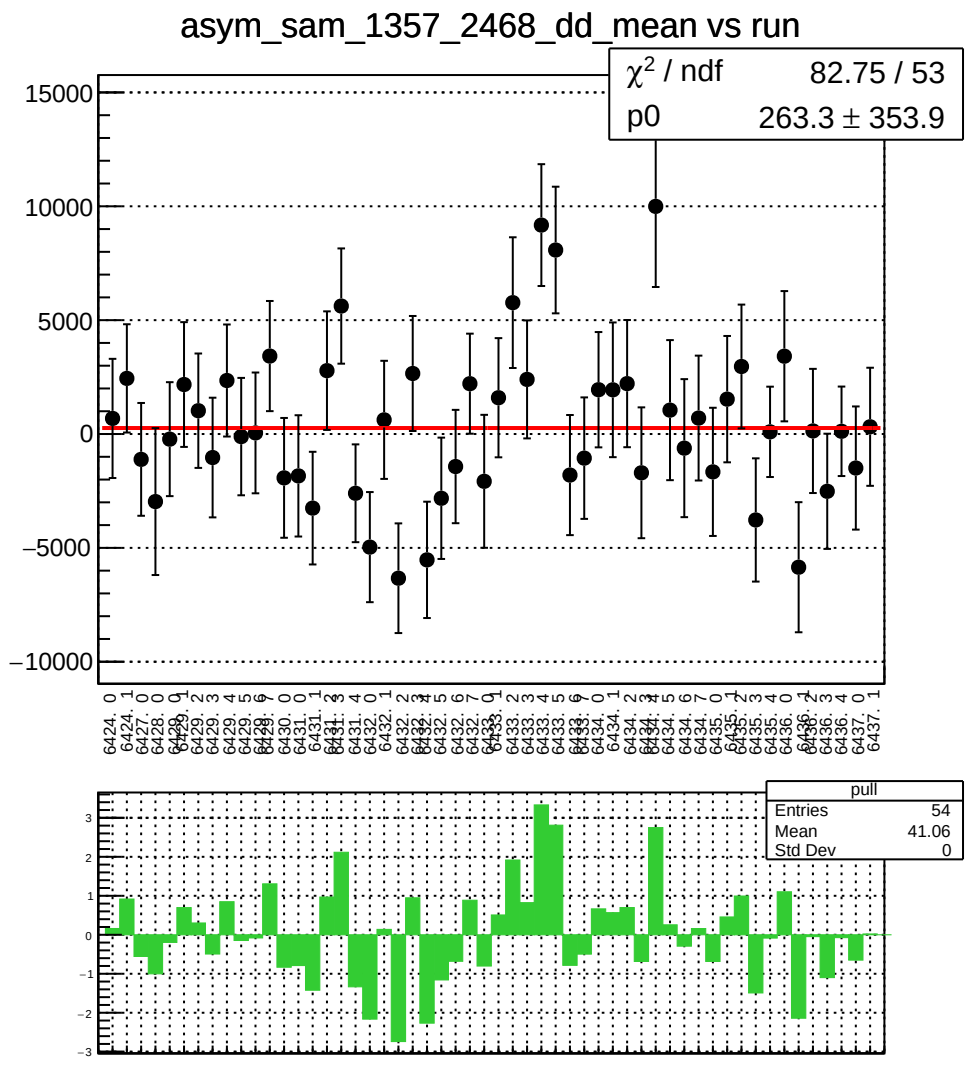
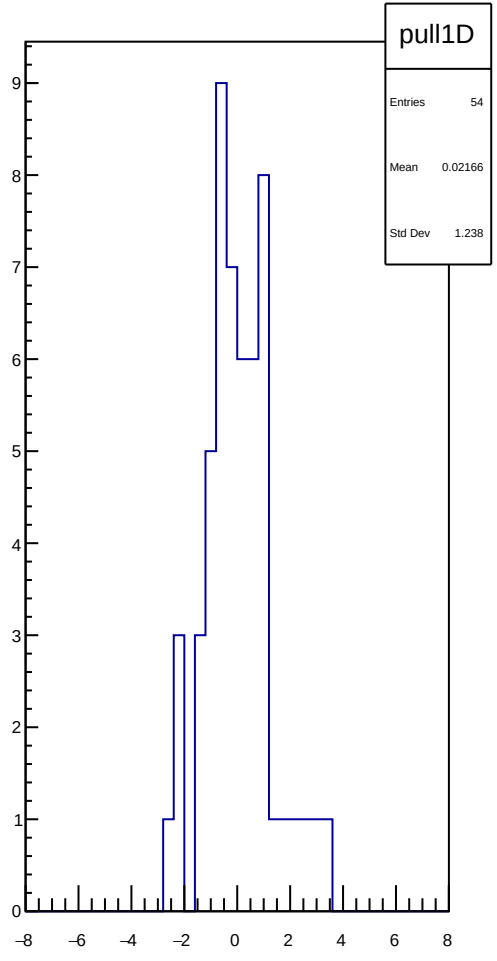
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

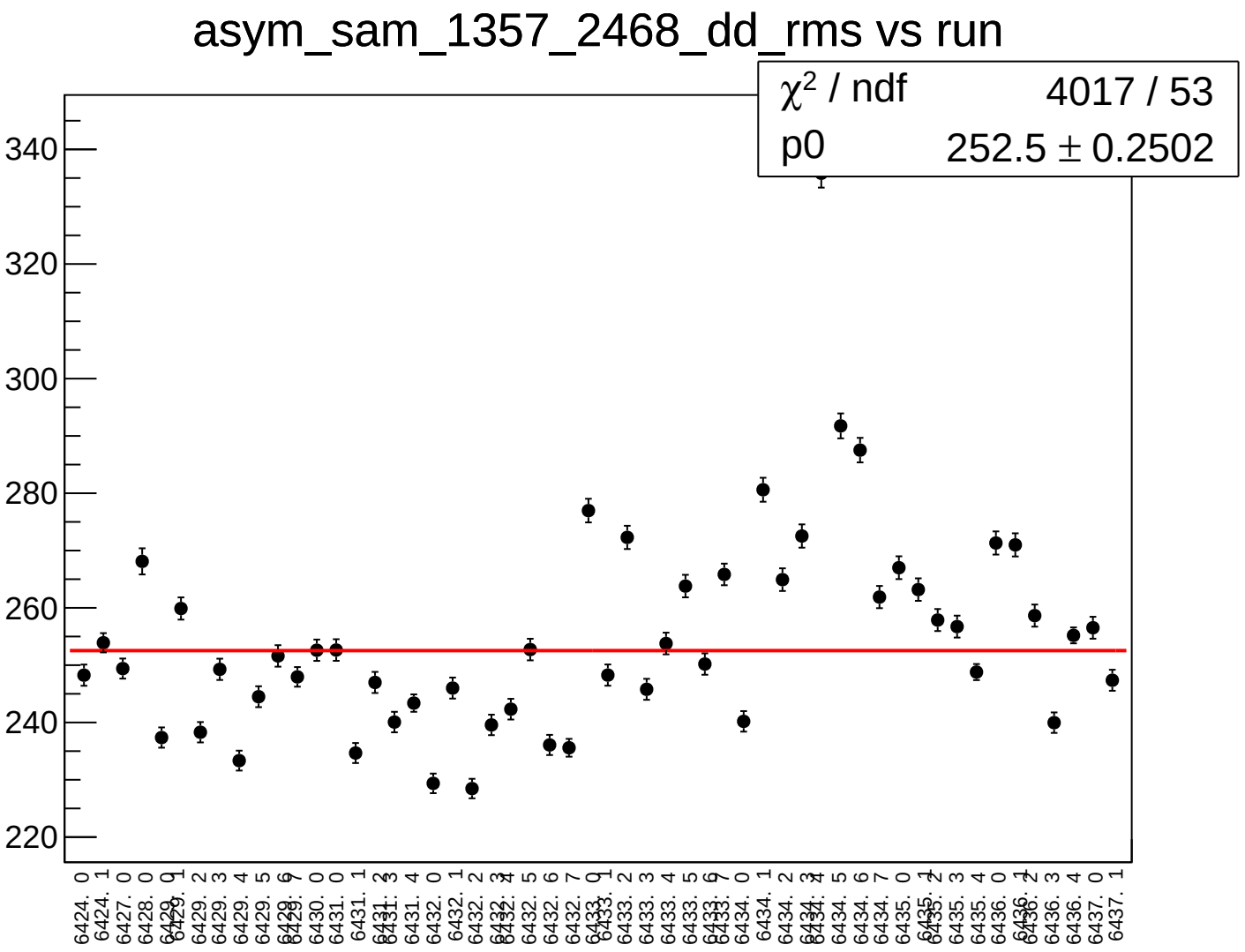

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 81.85 / 53
p0 −290.4 ± 356
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 100.6
Std Dev 0
2
1
0
−1
−2
−3

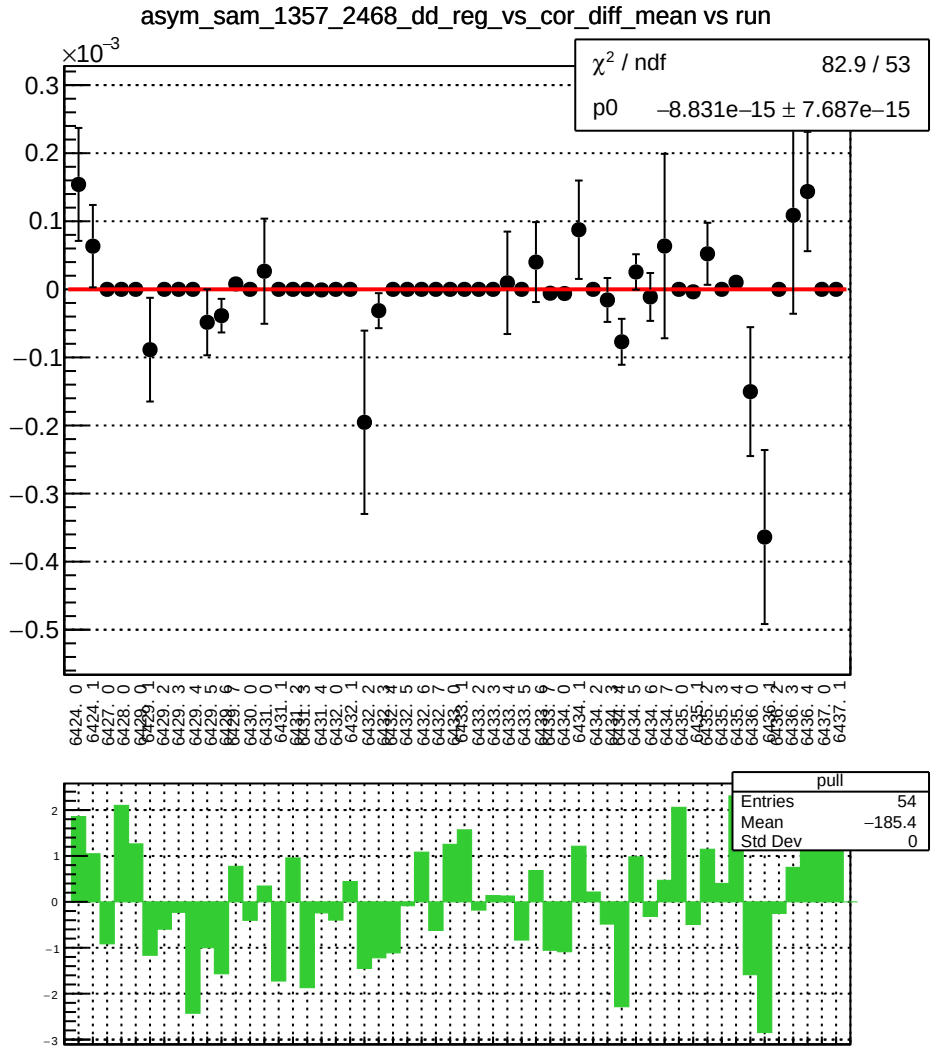

pull1D
Entries 54
Mean −0.009645
Std Dev 1.231
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

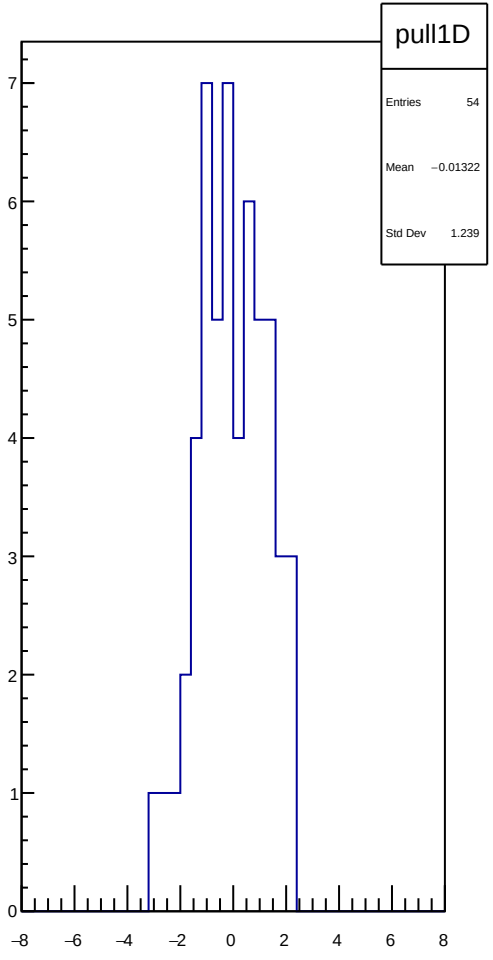

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 2431 / 53
p0 254.2 ± 0.2517
290
280
270
260
250
240
230
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

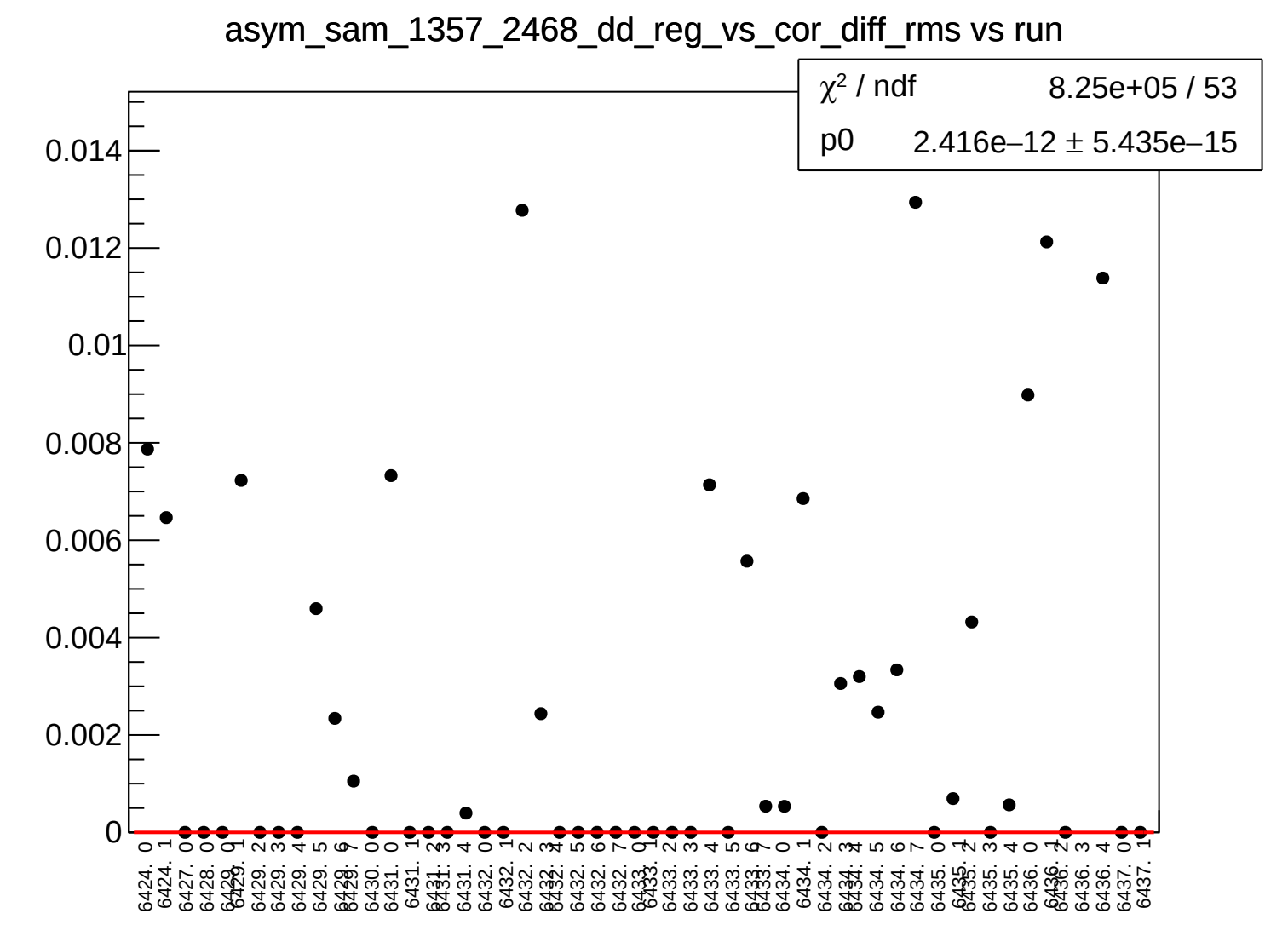

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 82.75 / 53
p0 263.3 ± 353.9
pull
Entries 54
Mean 41.06
Std Dev 0

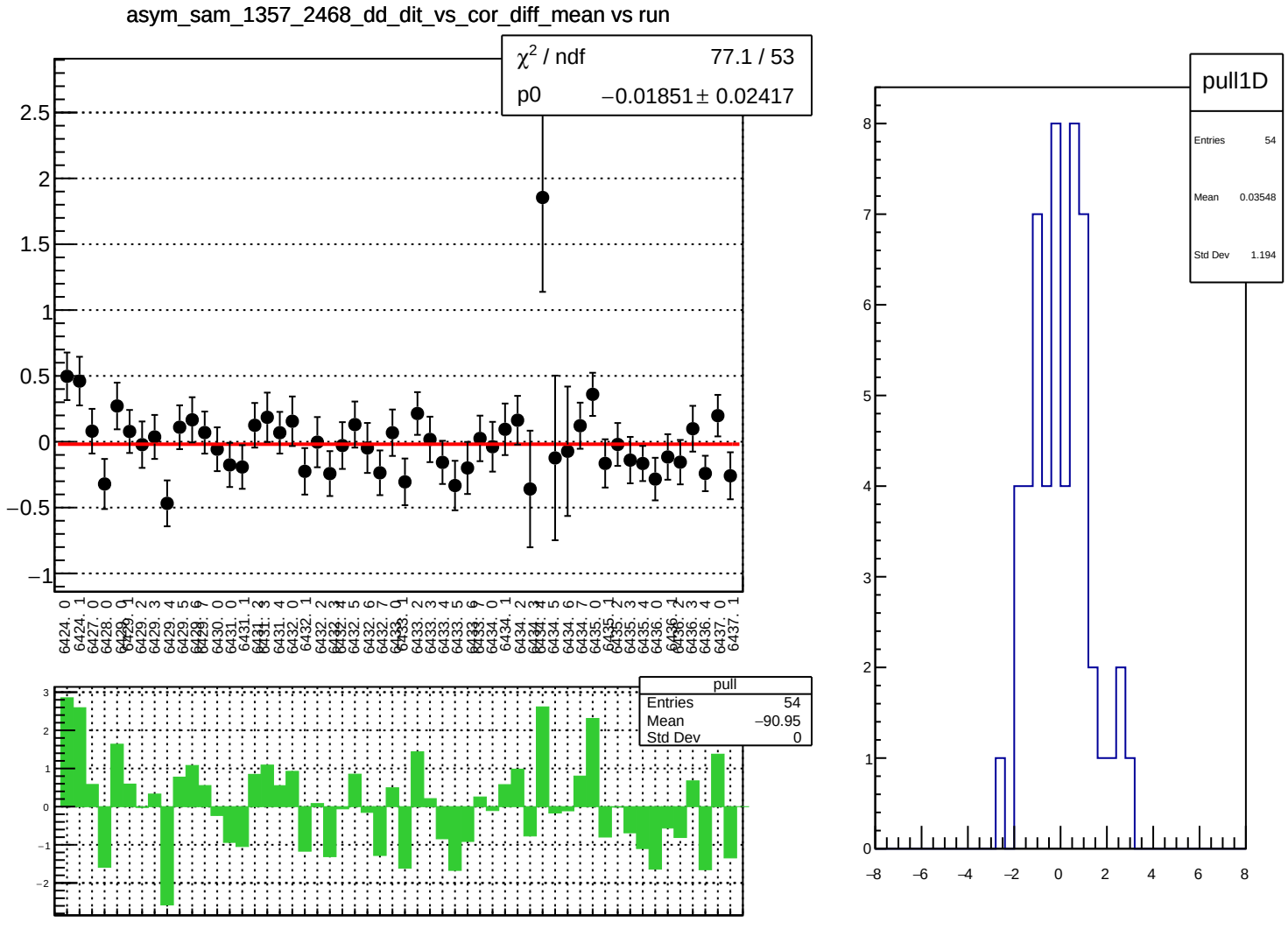

pull1D
Entries 54
Mean 0.02166
Std Dev 1.238

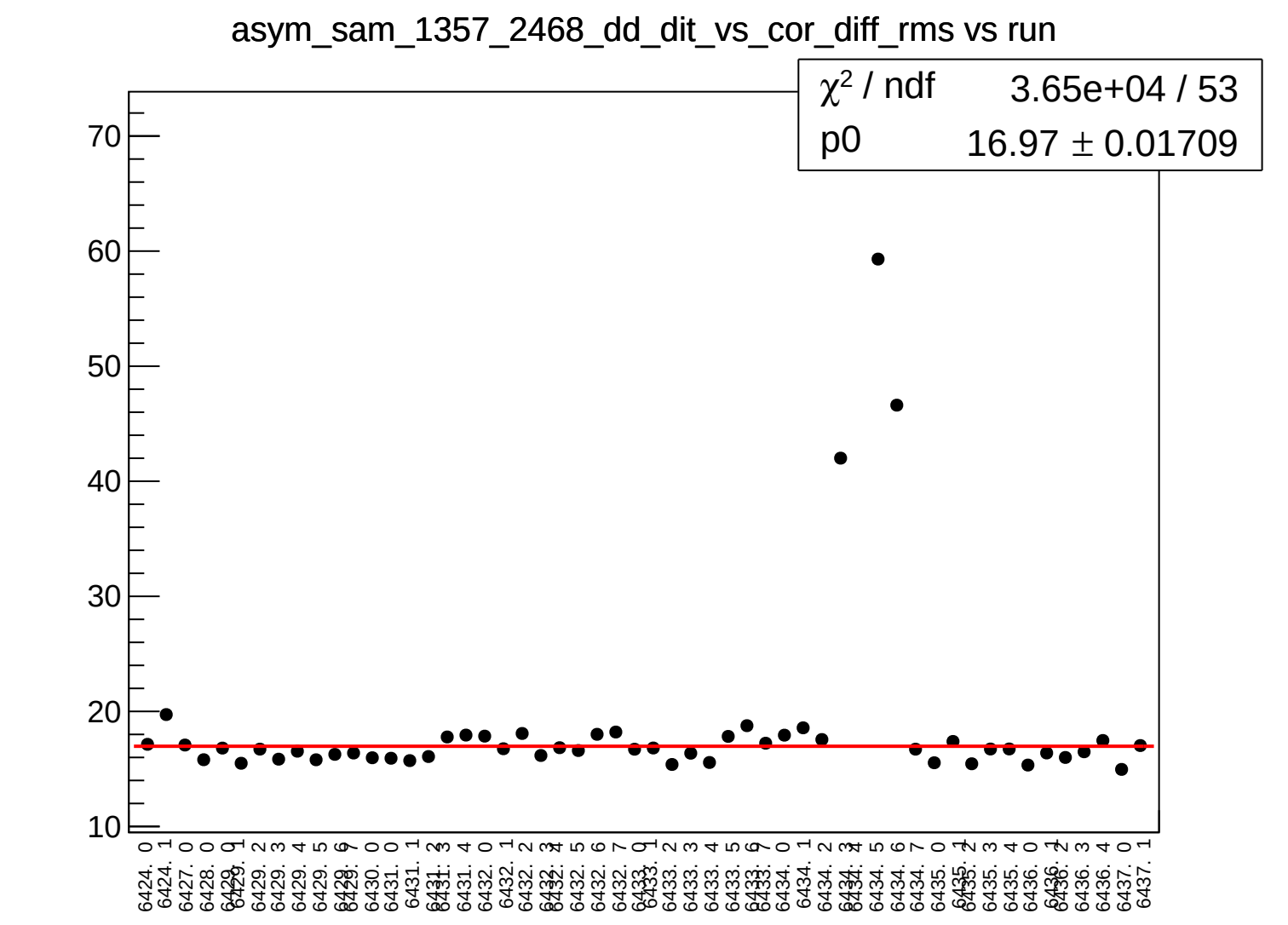

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4017 / 53
p0 252.5 ± 0.2502
340
320
300
280
260
240
220
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1

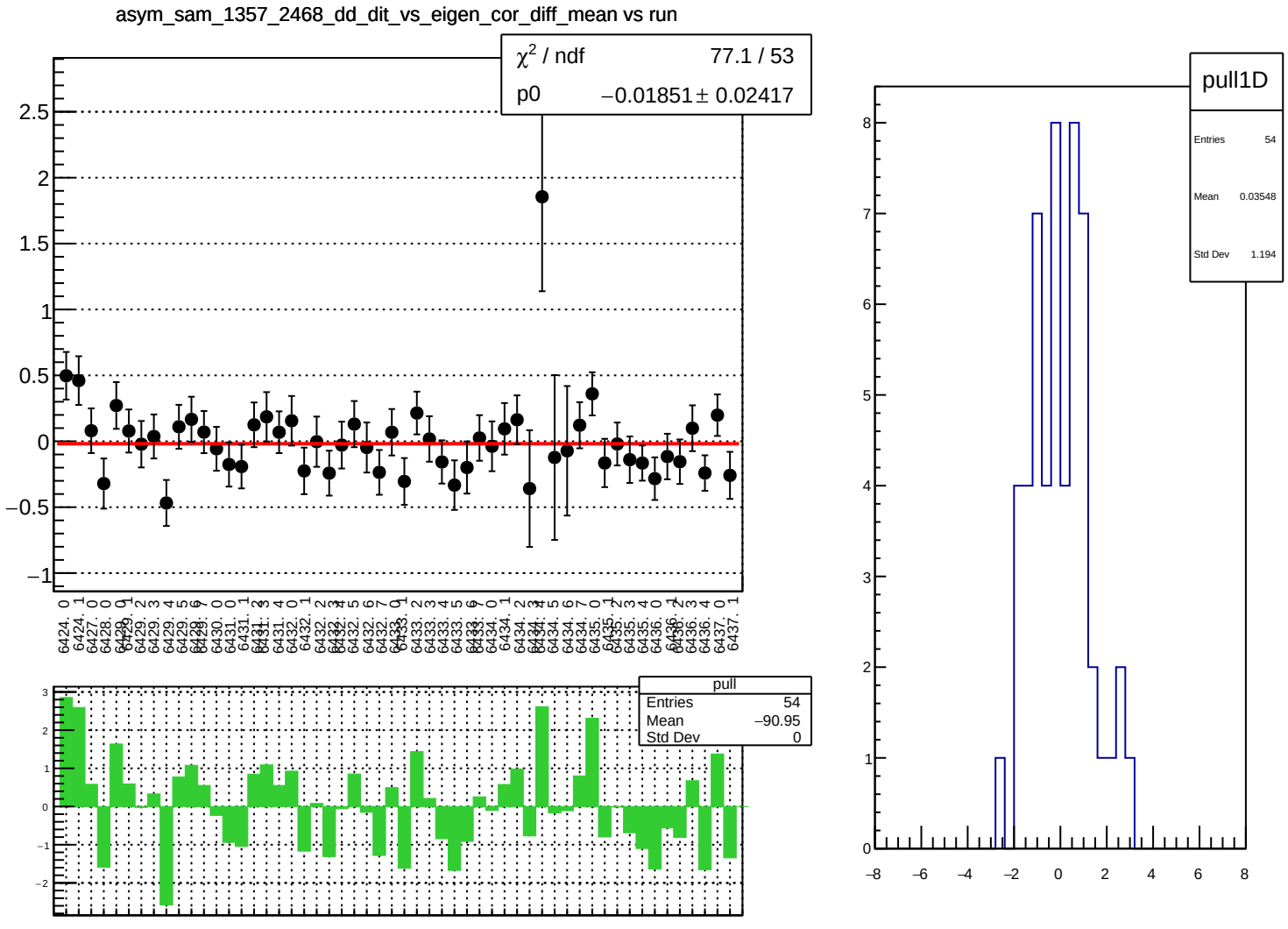

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 82.9 / 53
p0 −8.831e−15 ± 7.687e−15
pull
Entries 54
Mean −185.4
Std Dev 0

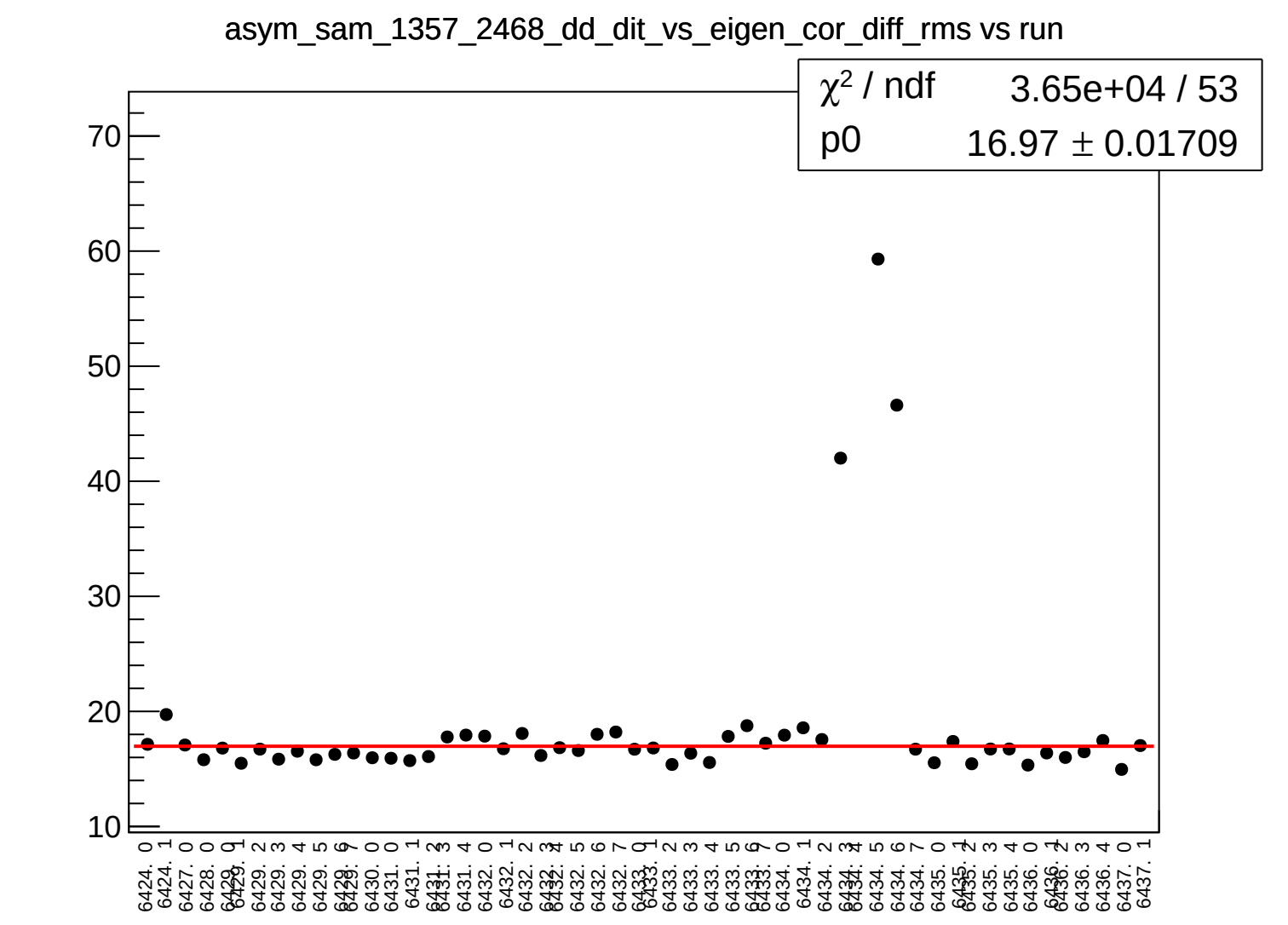

pull1D
Entries 54
Mean −0.01322
Std Dev 1.239

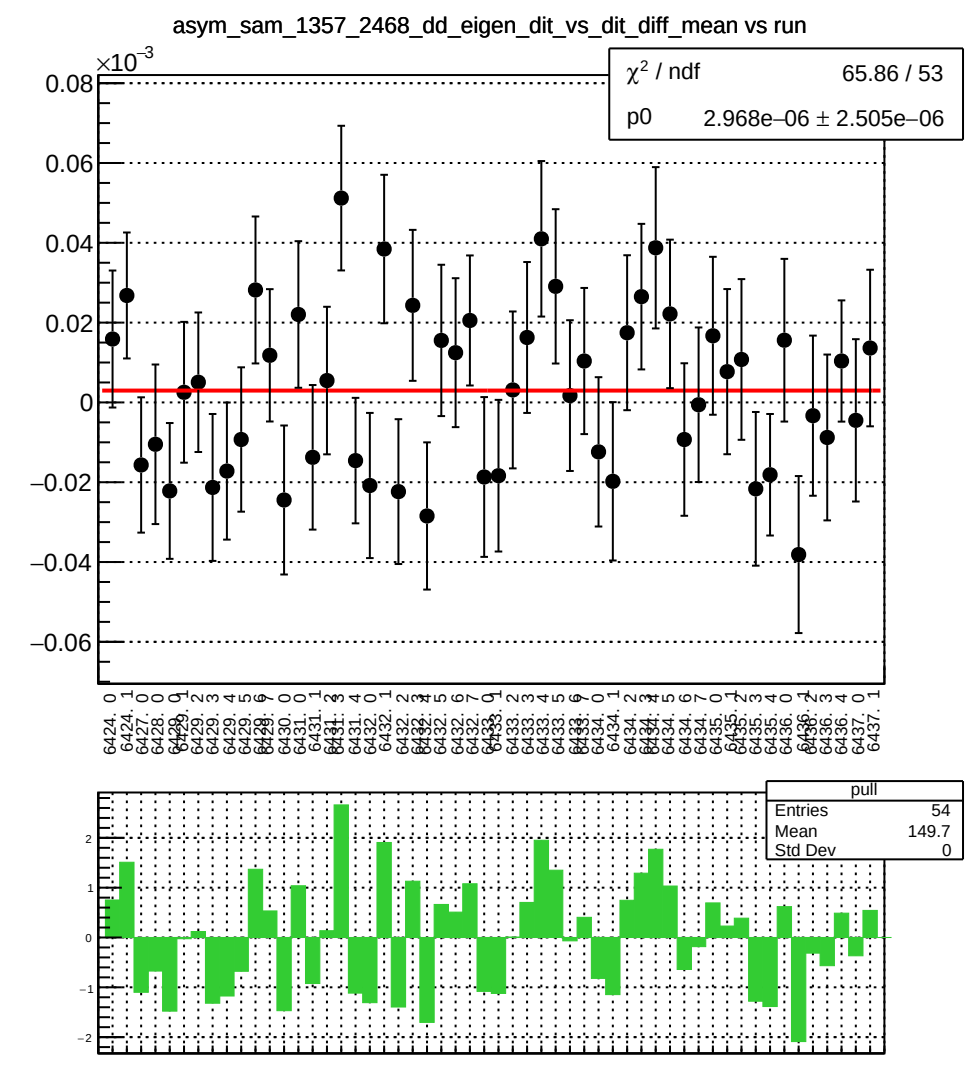

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.25e+05 / 53
p0 2.416e−12 ± 5.435e−15
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

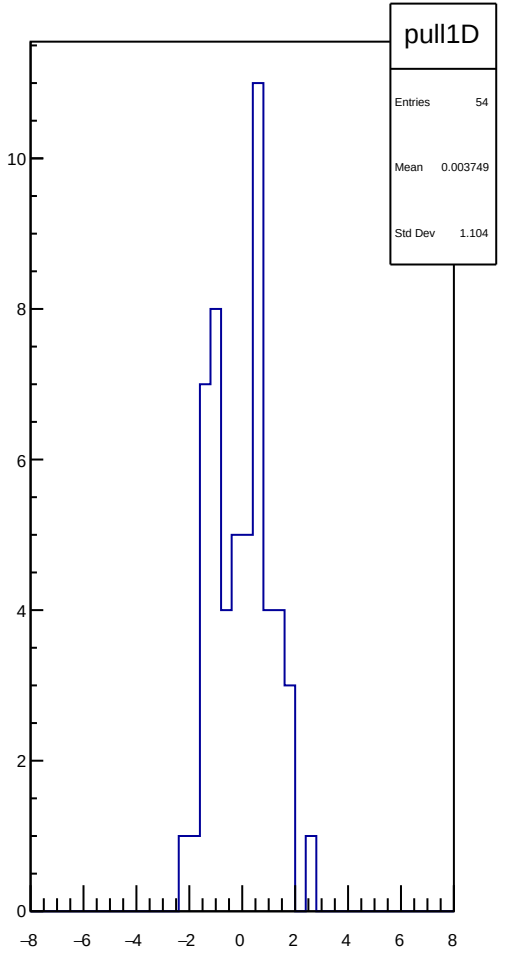

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.1 / 53
p0 −0.01851 ± 0.02417
pull
Entries 54
Mean −90.95
Std Dev 0
pull1D
Entries 54
Mean 0.03548
Std Dev 1.194

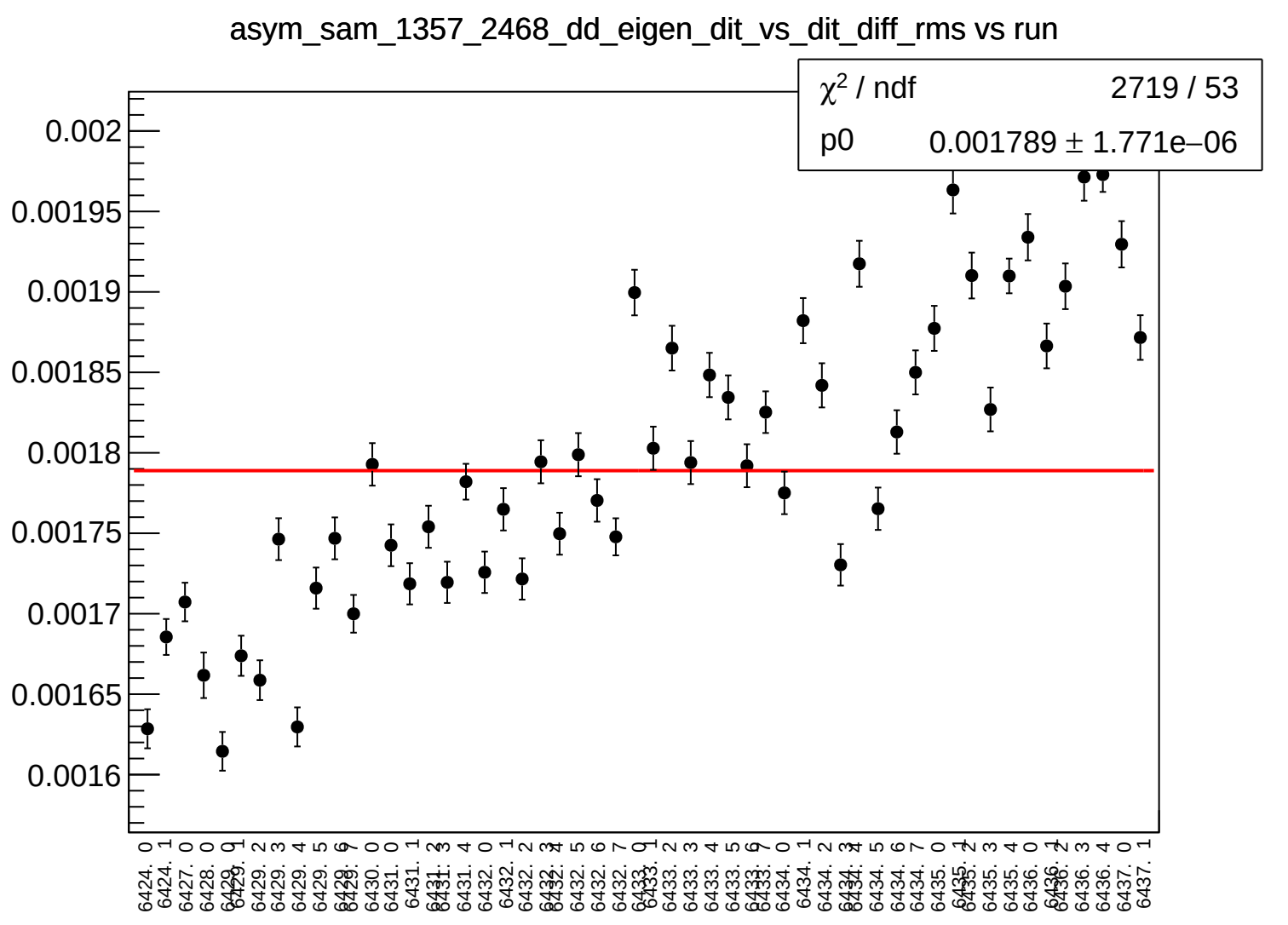

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 16.97 ± 0.01709
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

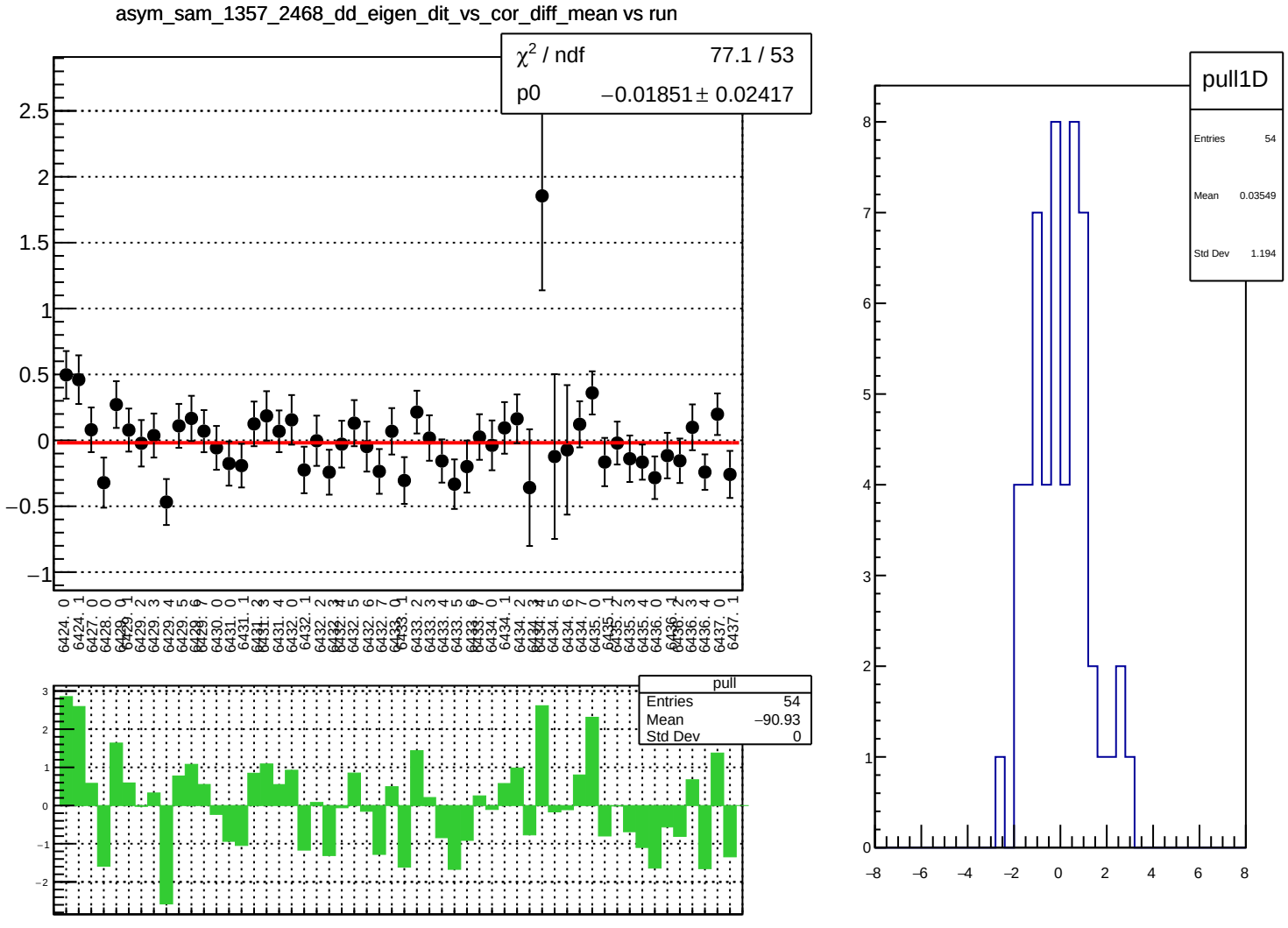

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.1 / 53
p0 −0.01851 ± 0.02417
pull
Entries 54
Mean −90.95
Std Dev 0
pull1D
Entries 54
Mean 0.03548
Std Dev 1.194

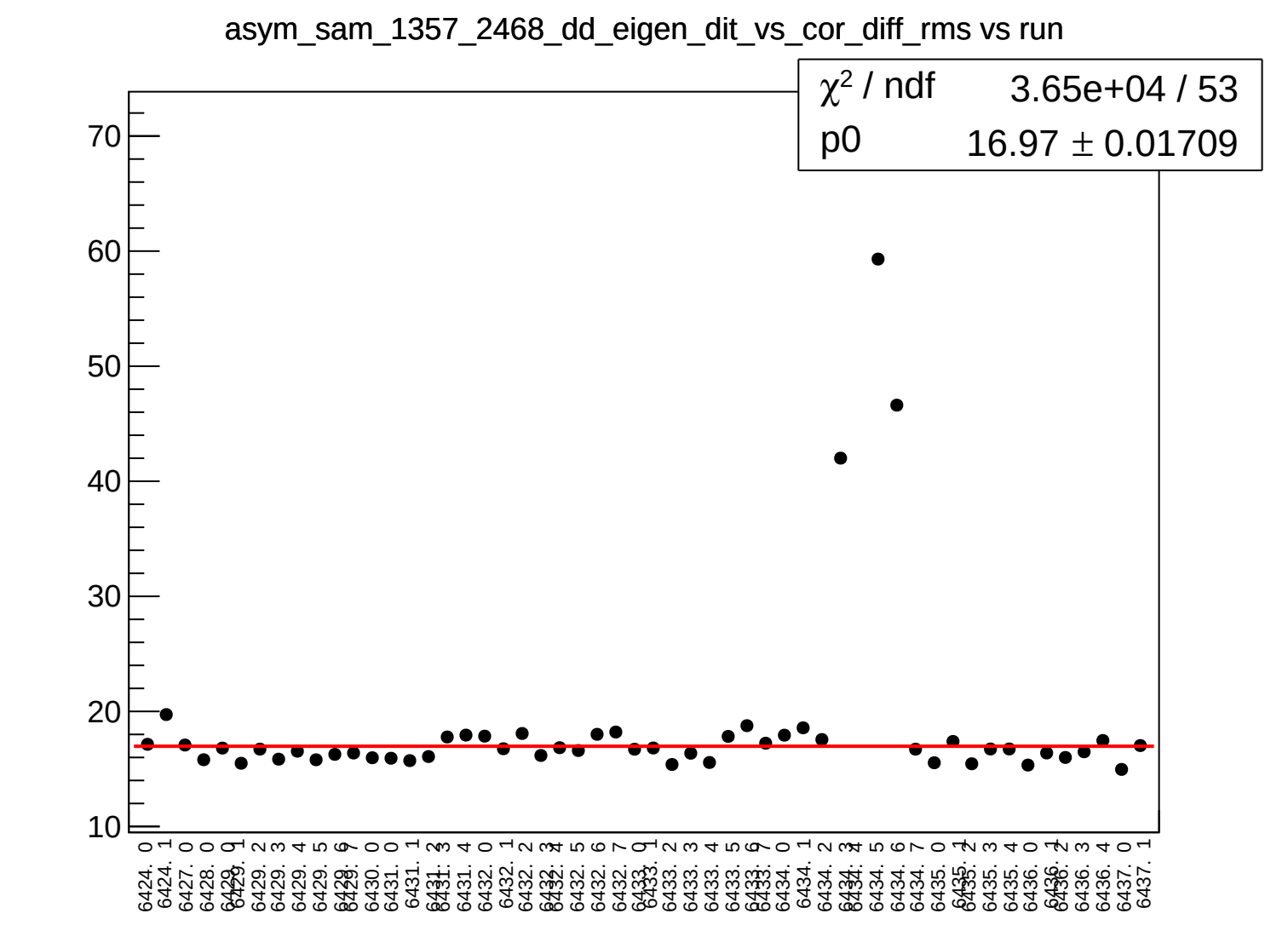

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 16.97 ± 0.01709
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

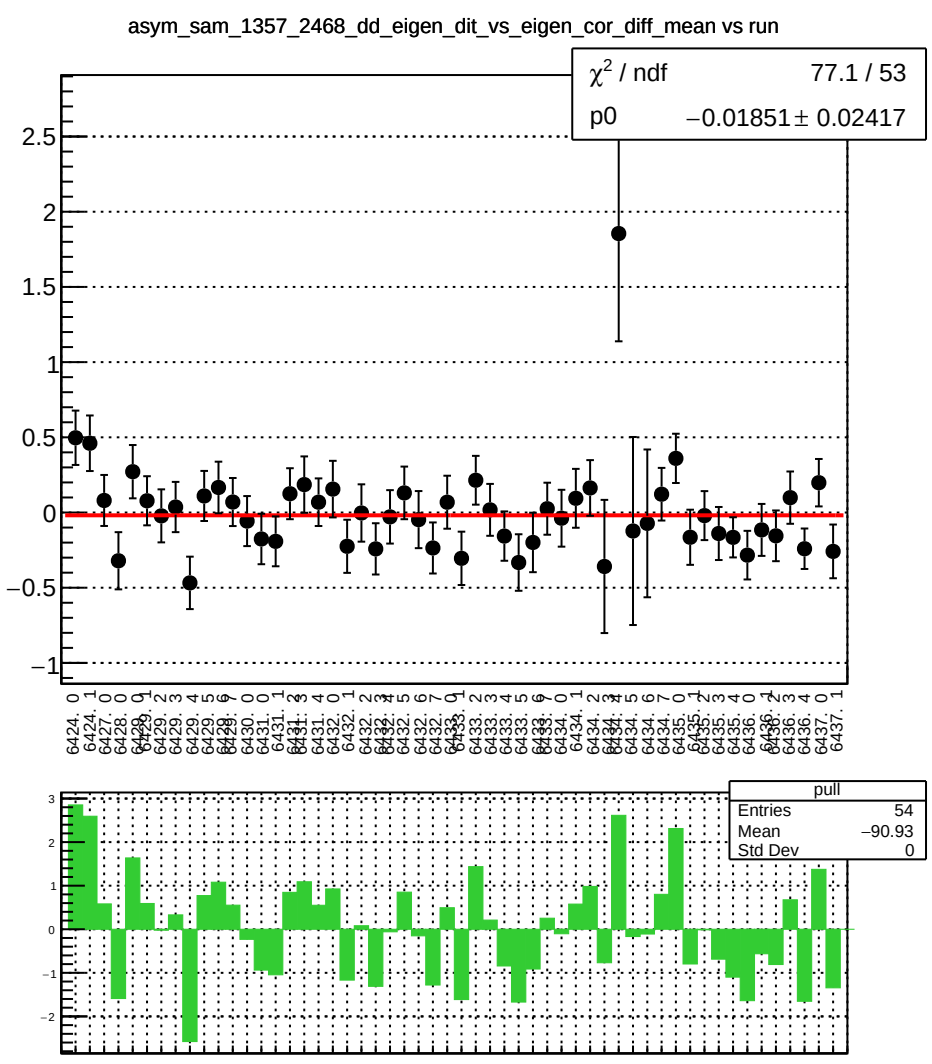

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.86 / 53
p0 2.968e−06 ± 2.505e−06
pull
Entries 54
Mean 149.7
Std Dev 0

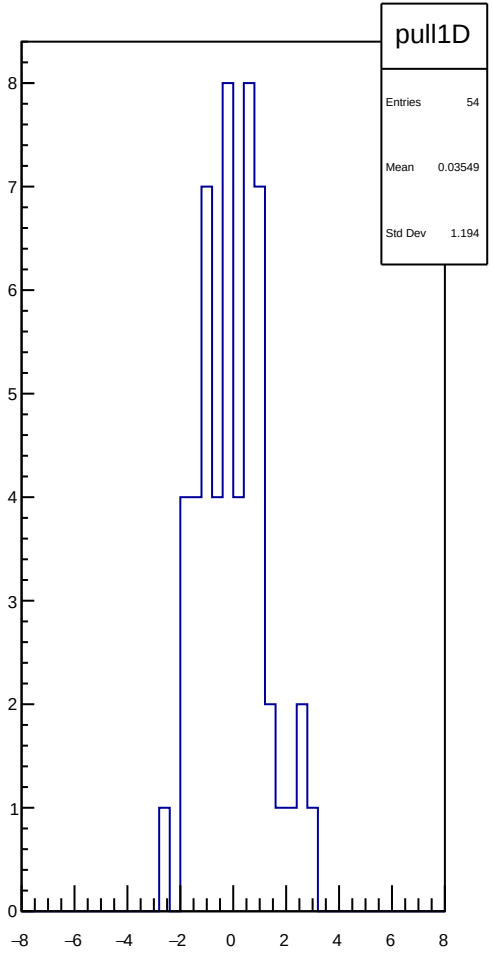

pull1D
Entries 54
Mean 0.003749
Std Dev 1.104

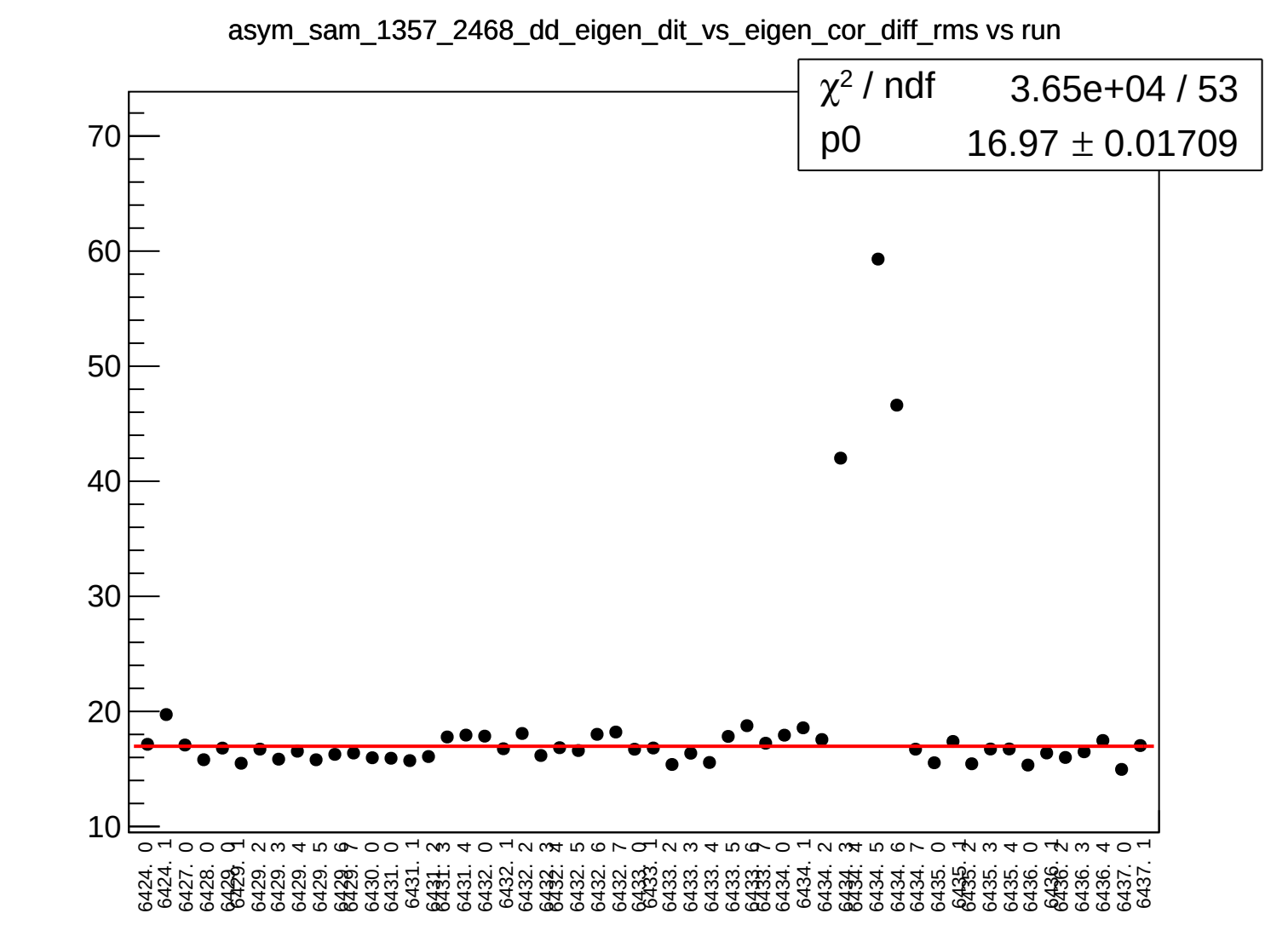

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2719 / 53
p0 0.001789 ± 1.771e−06
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

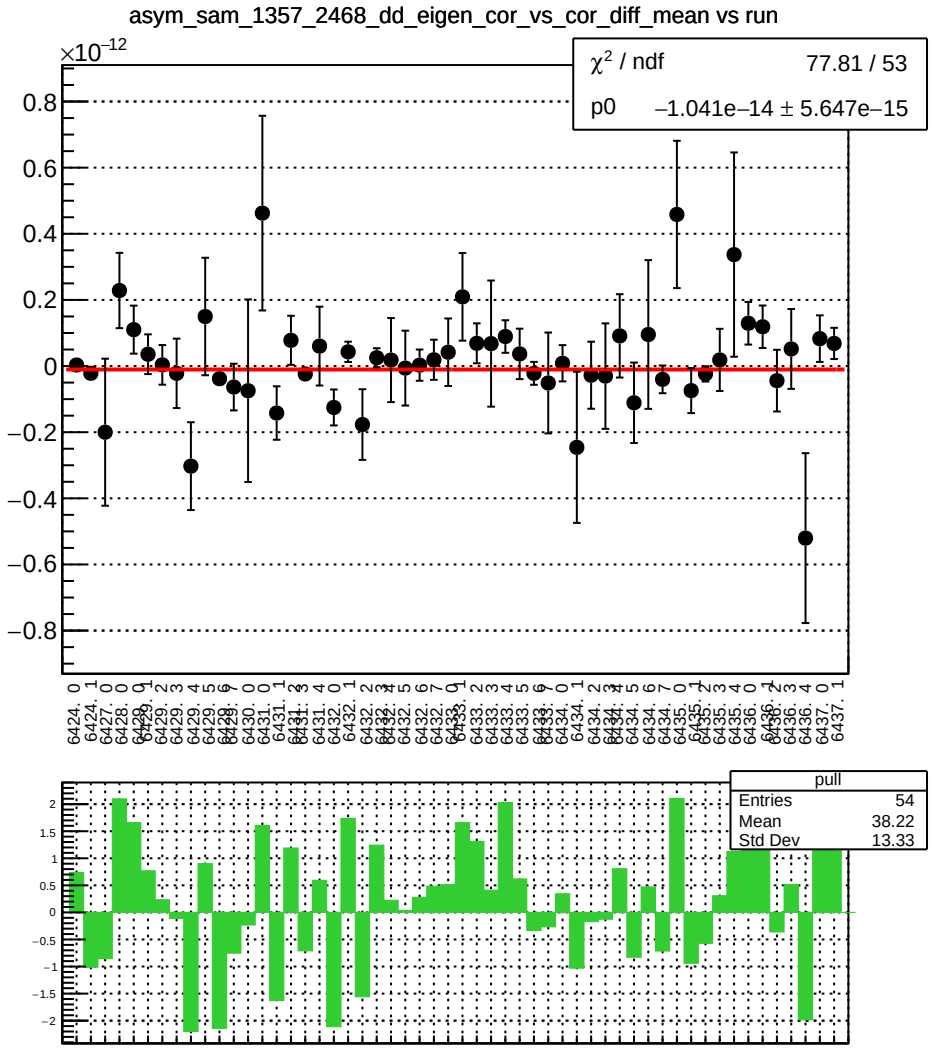

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.1 / 53
p0 −0.01851 ± 0.02417
pull
Entries 54
Mean −90.93
Std Dev 0
pull1D
Entries 54
Mean 0.03549
Std Dev 1.194

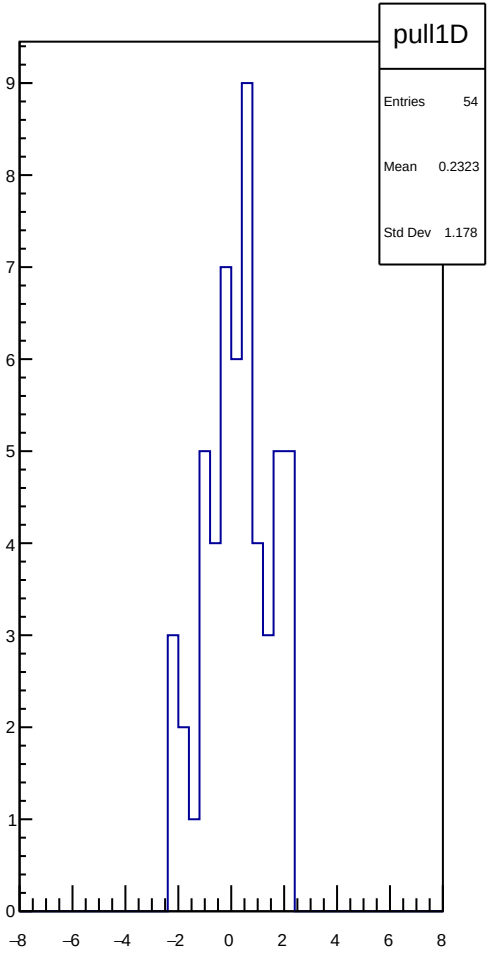

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.65e+04 / 53
p0 16.97 ± 0.01709
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

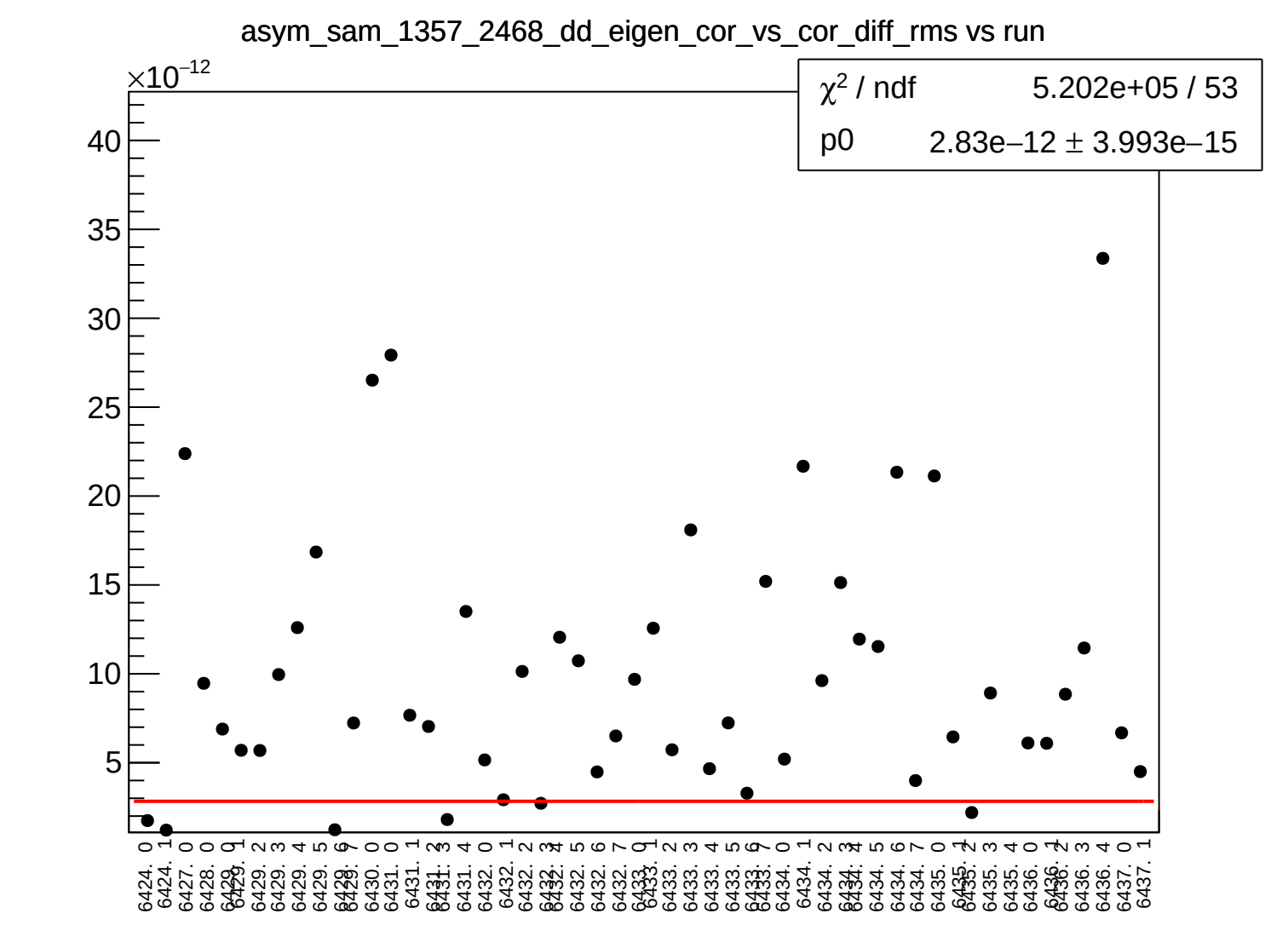

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.1 / 53
p0 −0.01851 ± 0.02417
pull
Entries 54
Mean −90.93
Std Dev 0

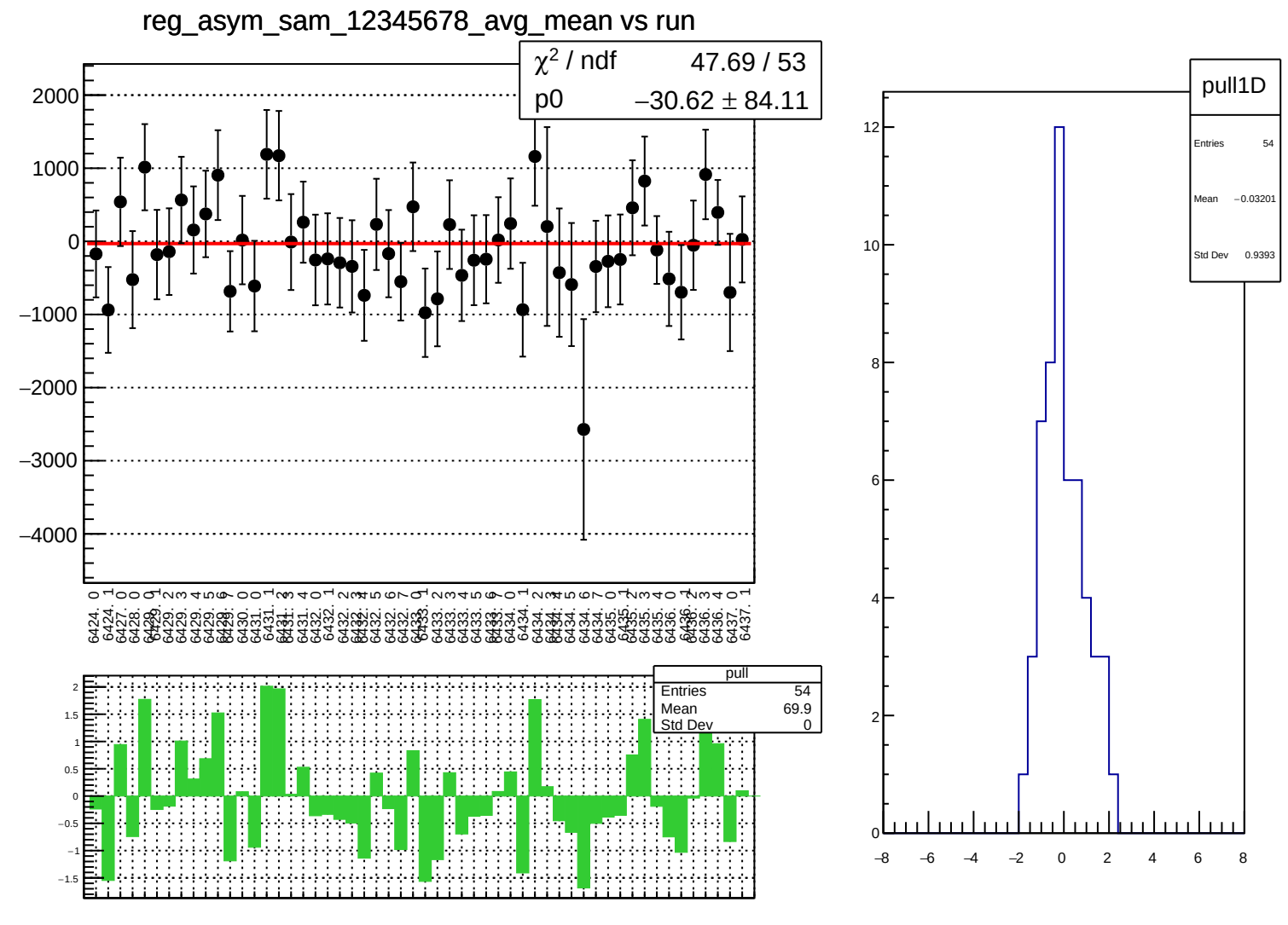

pull1D
Entries 54
Mean 0.03549
Std Dev 1.194

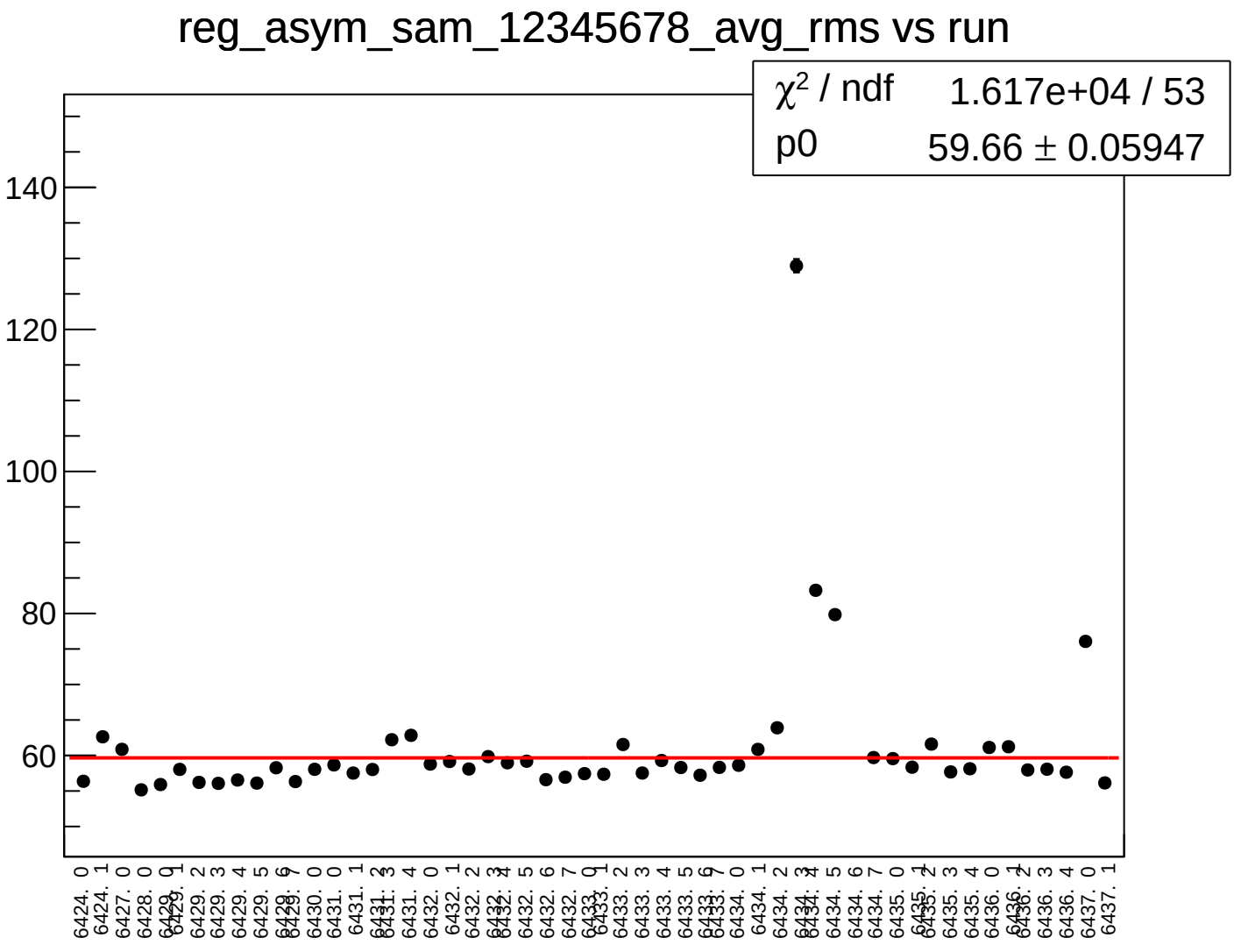

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.65e+04 / 53
p0 16.97 ± 0.01709
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

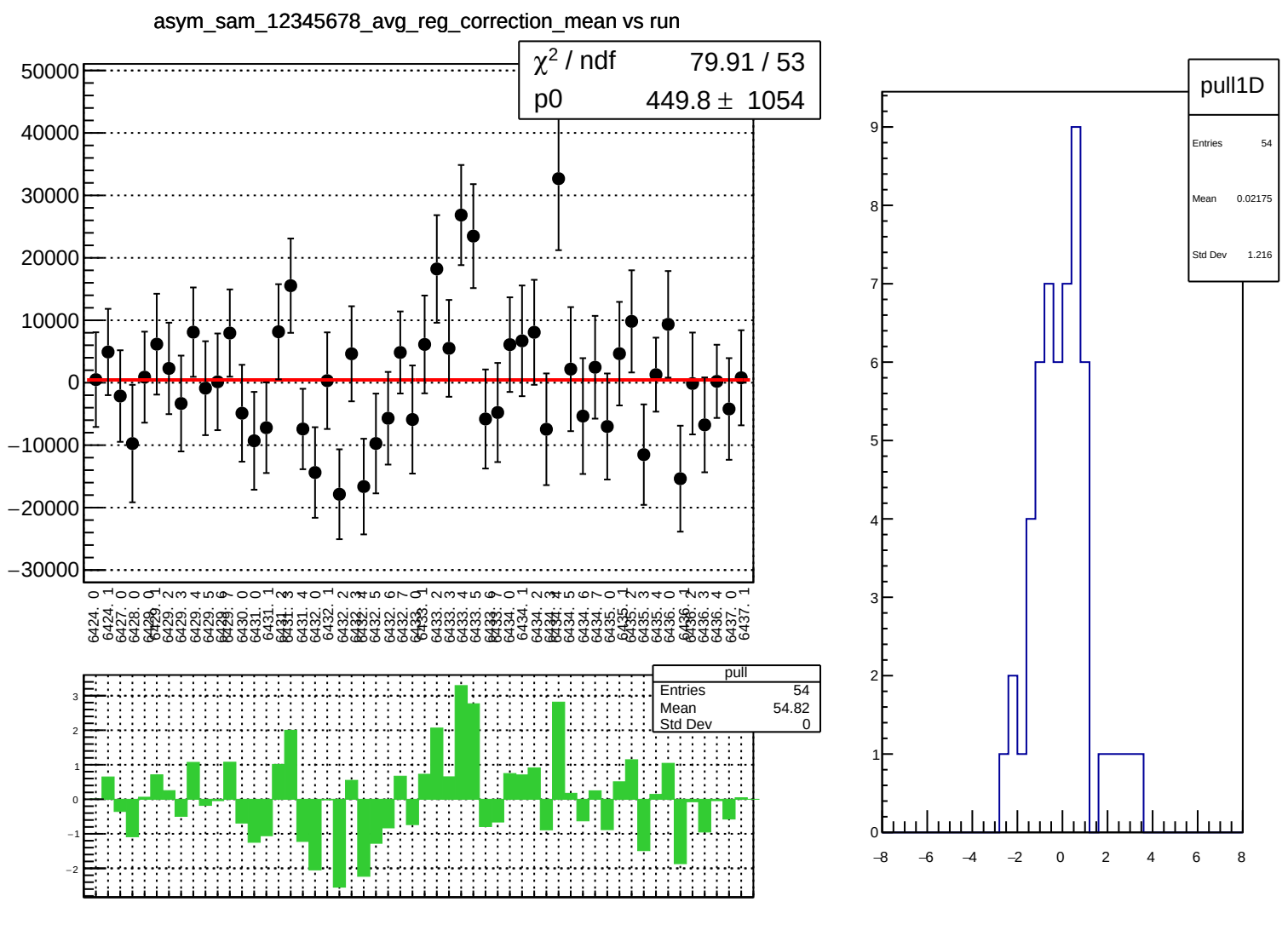

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.81 / 53
p0 −1.041e−14 ± 5.647e−15
pull
Entries 54
Mean 38.22
Std Dev 13.33

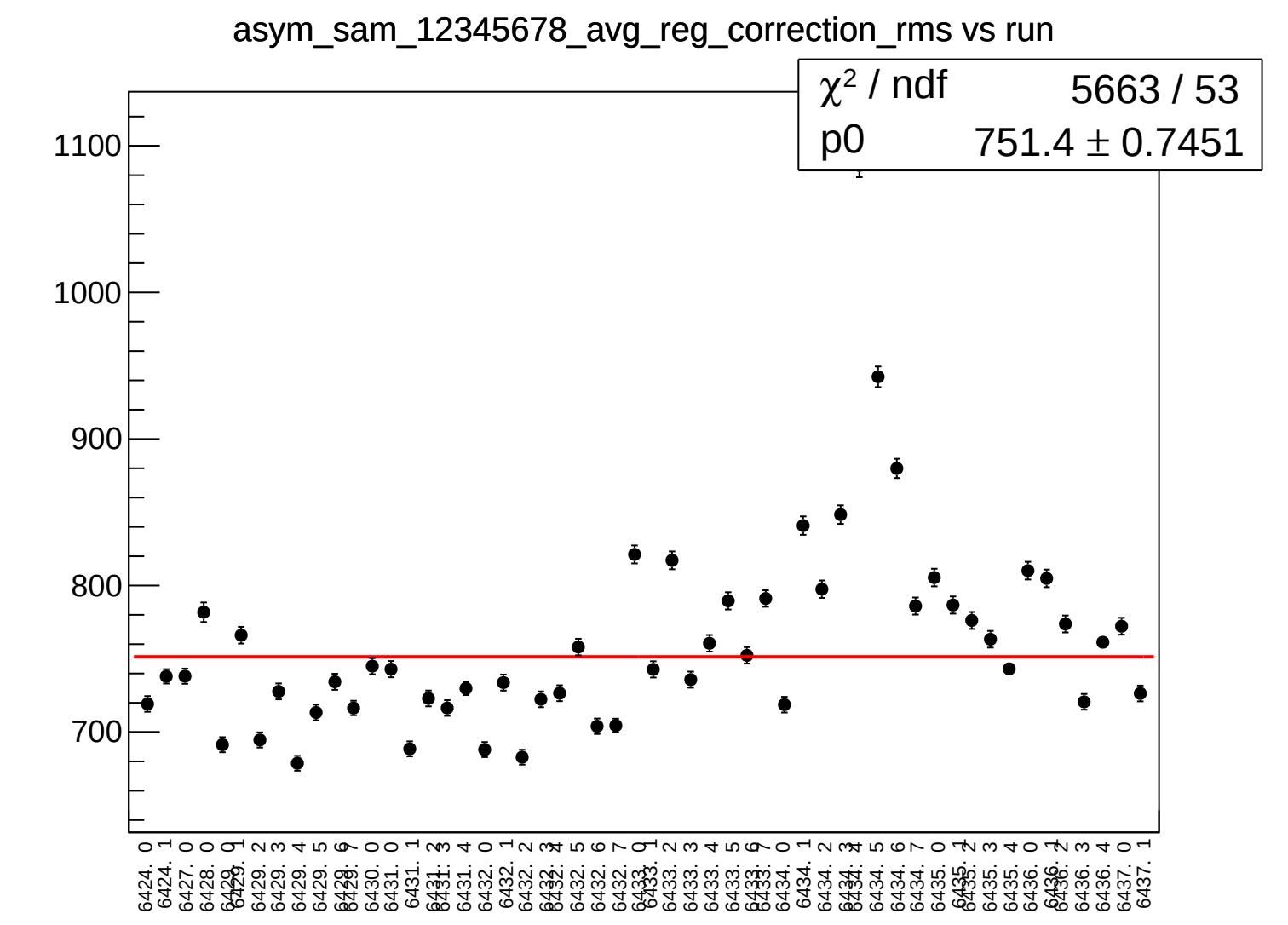

pull1D
Entries 54
Mean 0.2323
Std Dev 1.178

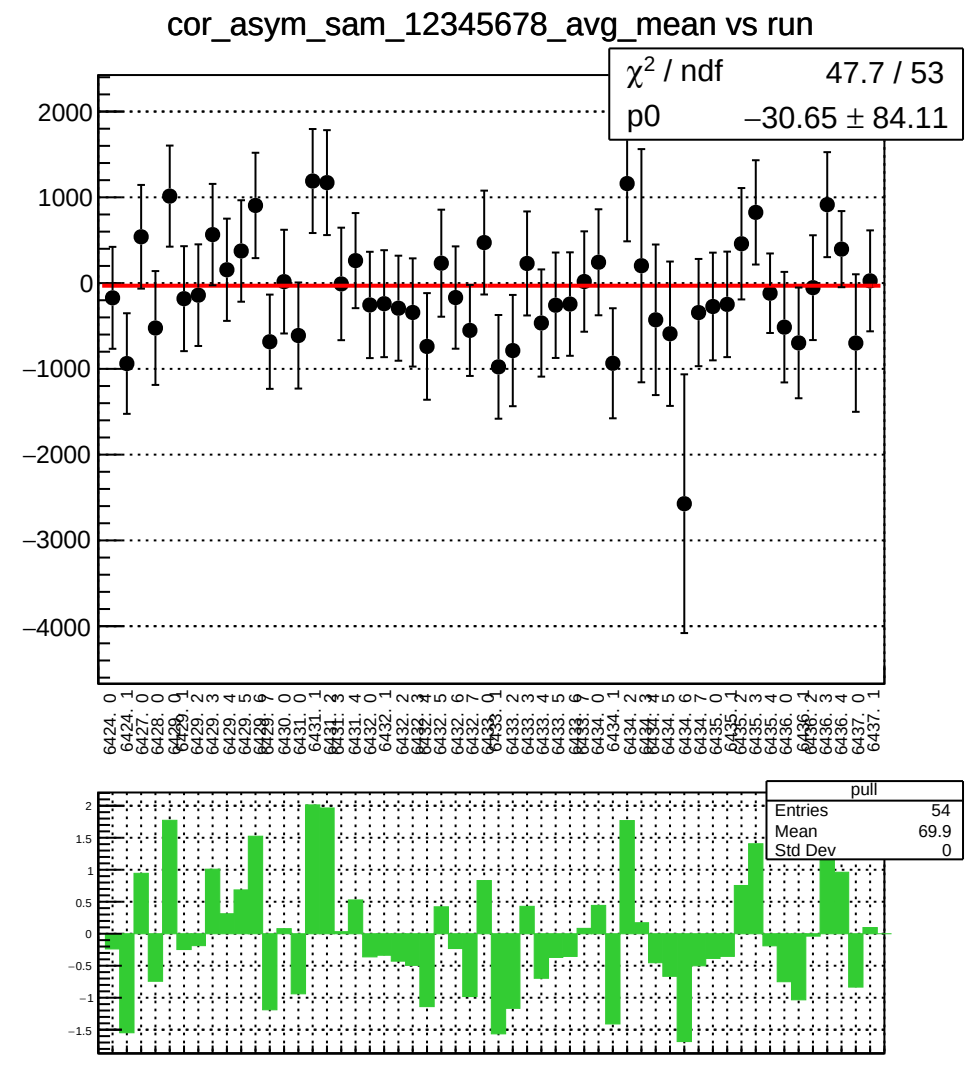

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.202e+05 / 53
p0 2.83e−12 ± 3.993e−15
40
35
30
25
20
15
10
5
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

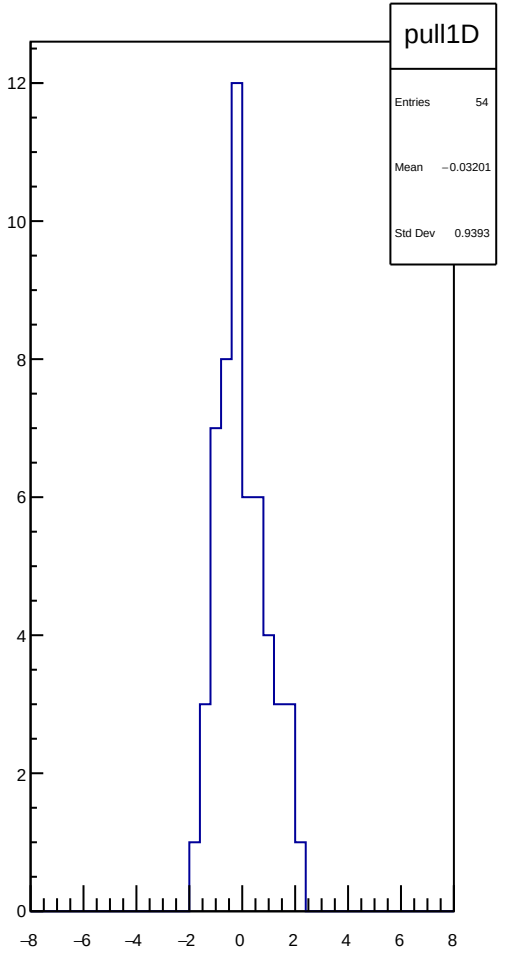

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.69 / 53
p0 −30.62 ± 84.11
pull
Entries 54
Mean 69.9
Std Dev 0
pull1D
Entries 54
Mean −0.03201
Std Dev 0.9393

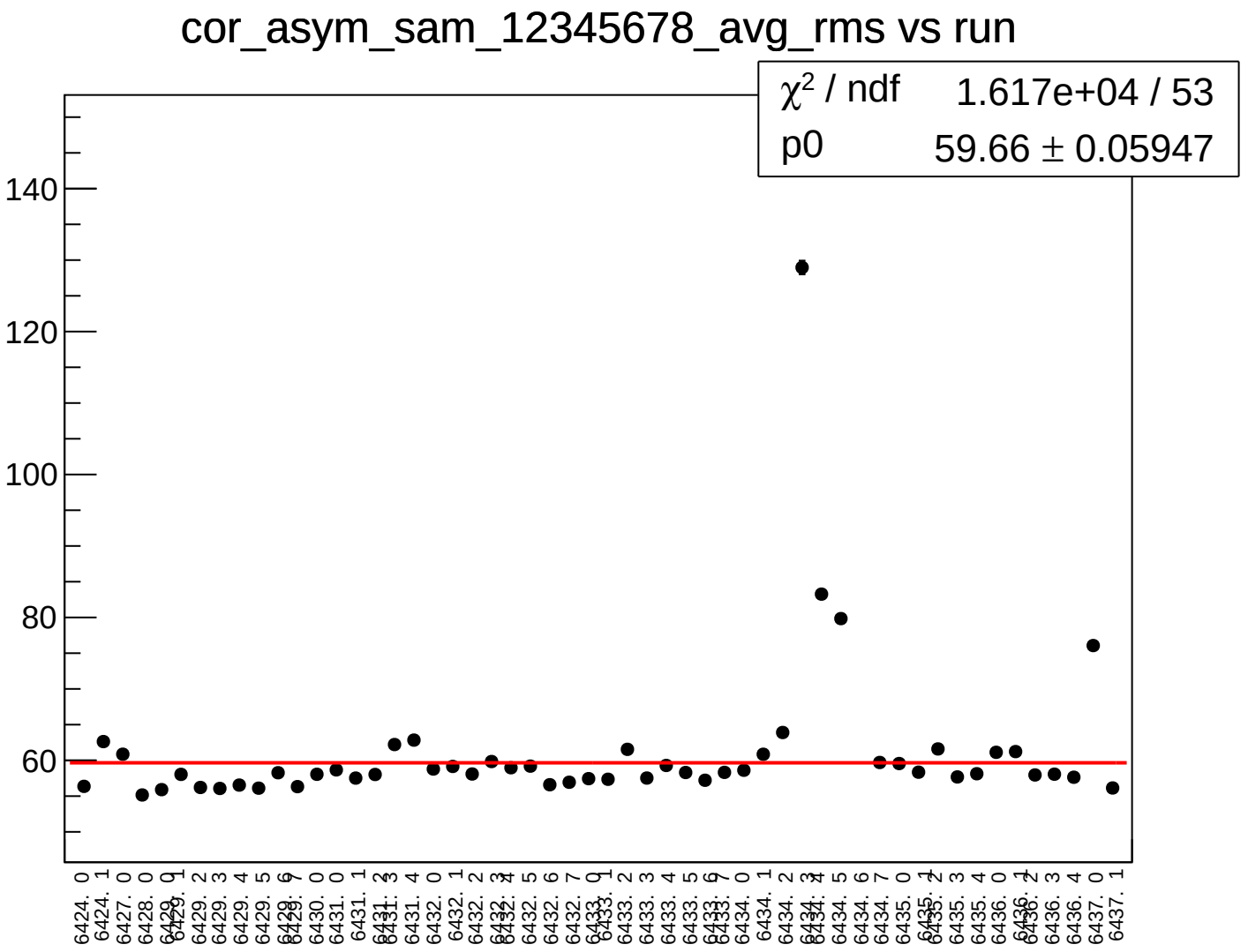

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.617e+04 / 53
p0 59.66 ± 0.05947
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

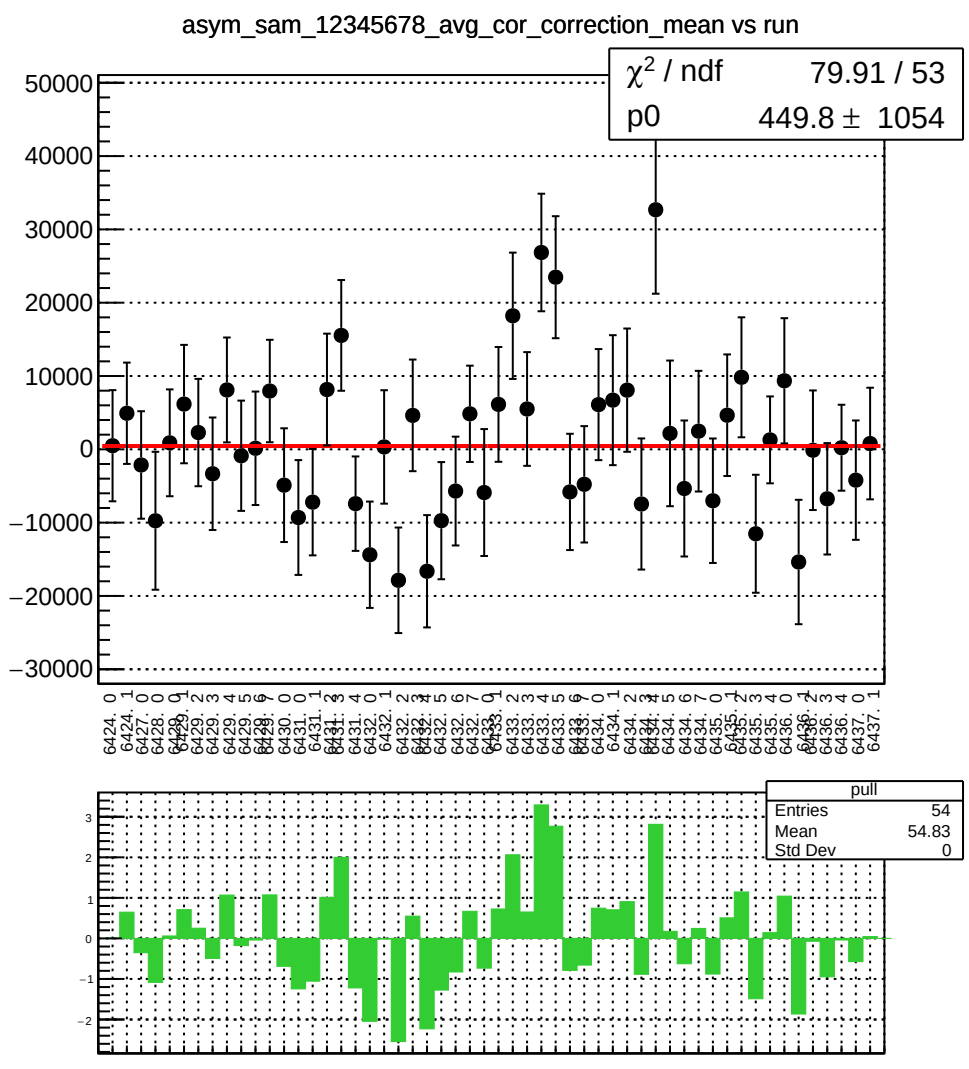

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 79.91 / 53
p0 449.8 ± 1054
pull
Entries 54
Mean 54.82
Std Dev 0
pull1D
Entries 54
Mean 0.02175
Std Dev 1.216

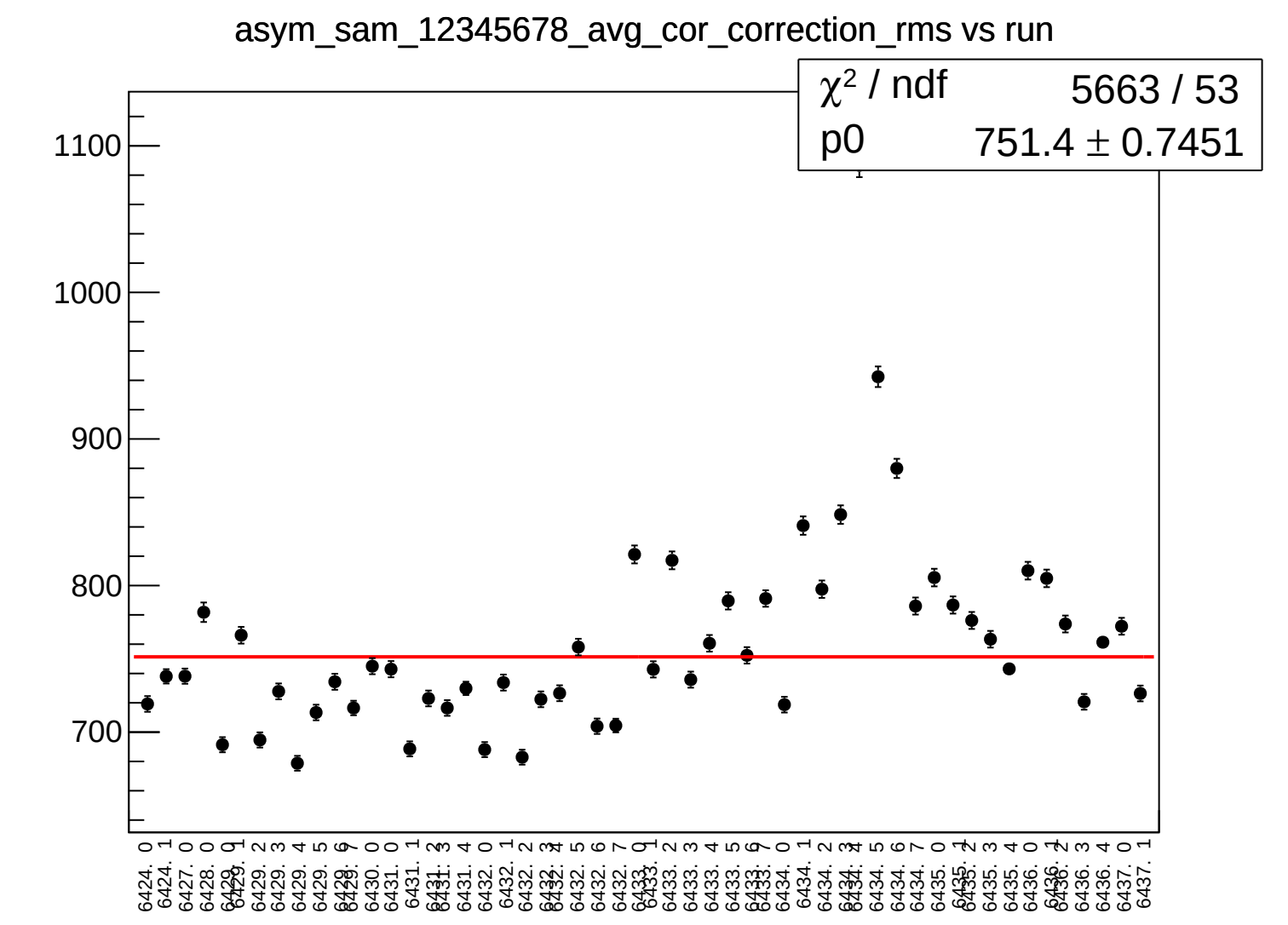

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 5663 / 53
p0 751.4 ± 0.7451
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

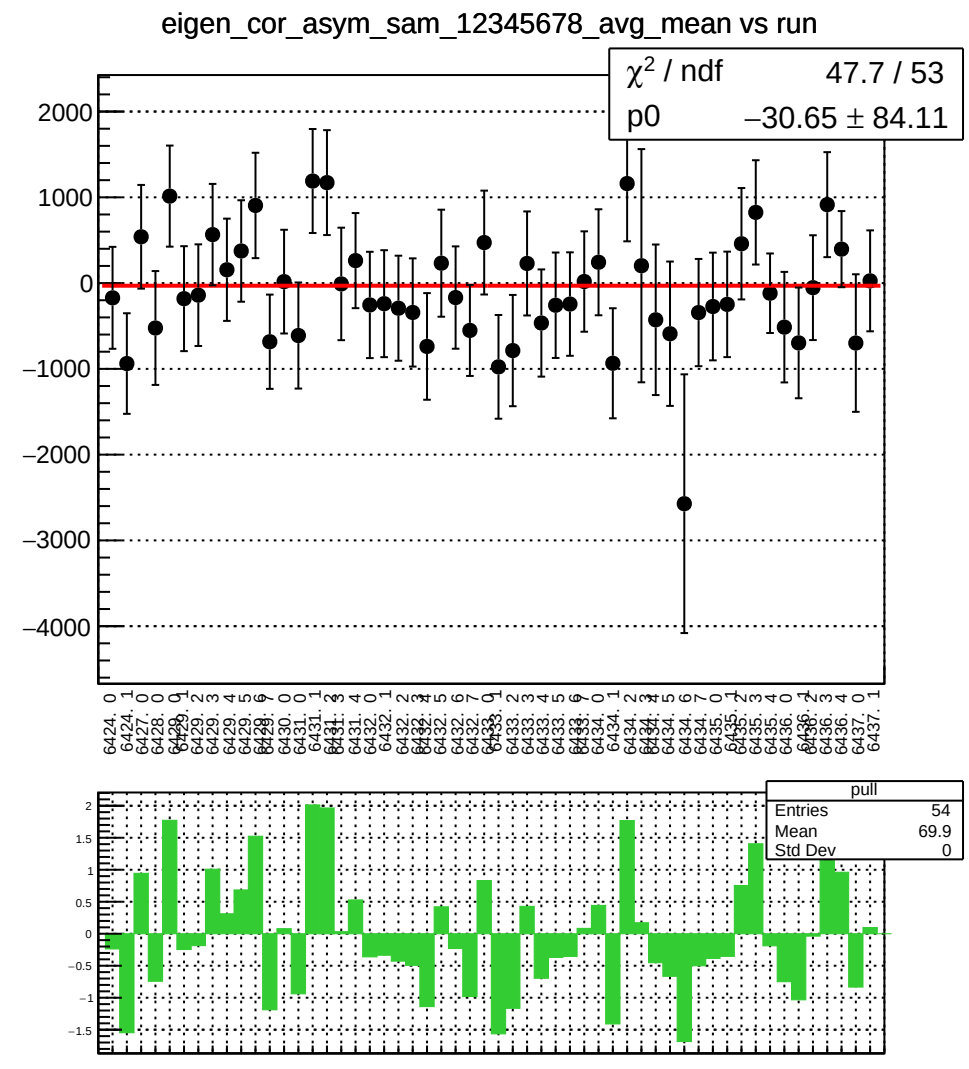

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.7 / 53
p0 −30.65 ± 84.11
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 54
Mean 69.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

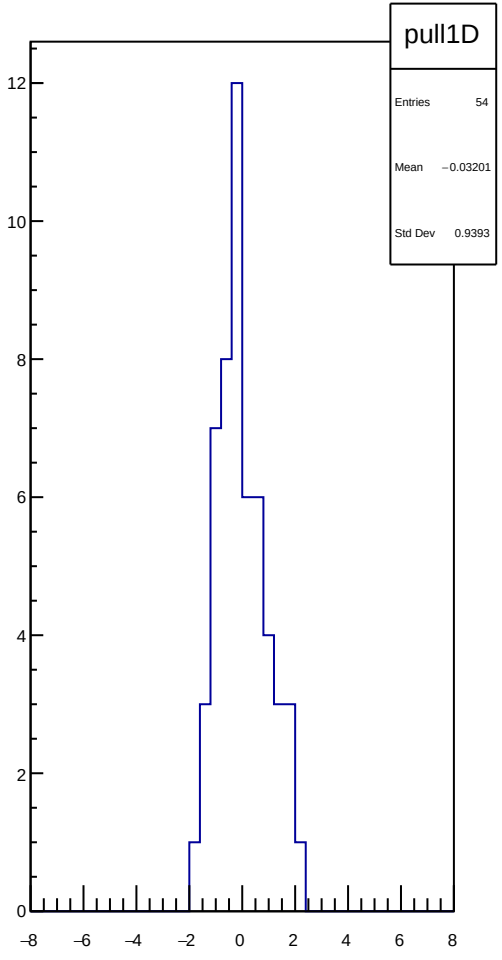

pull1D
Entries 54
Mean −0.03201
Std Dev 0.9393
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

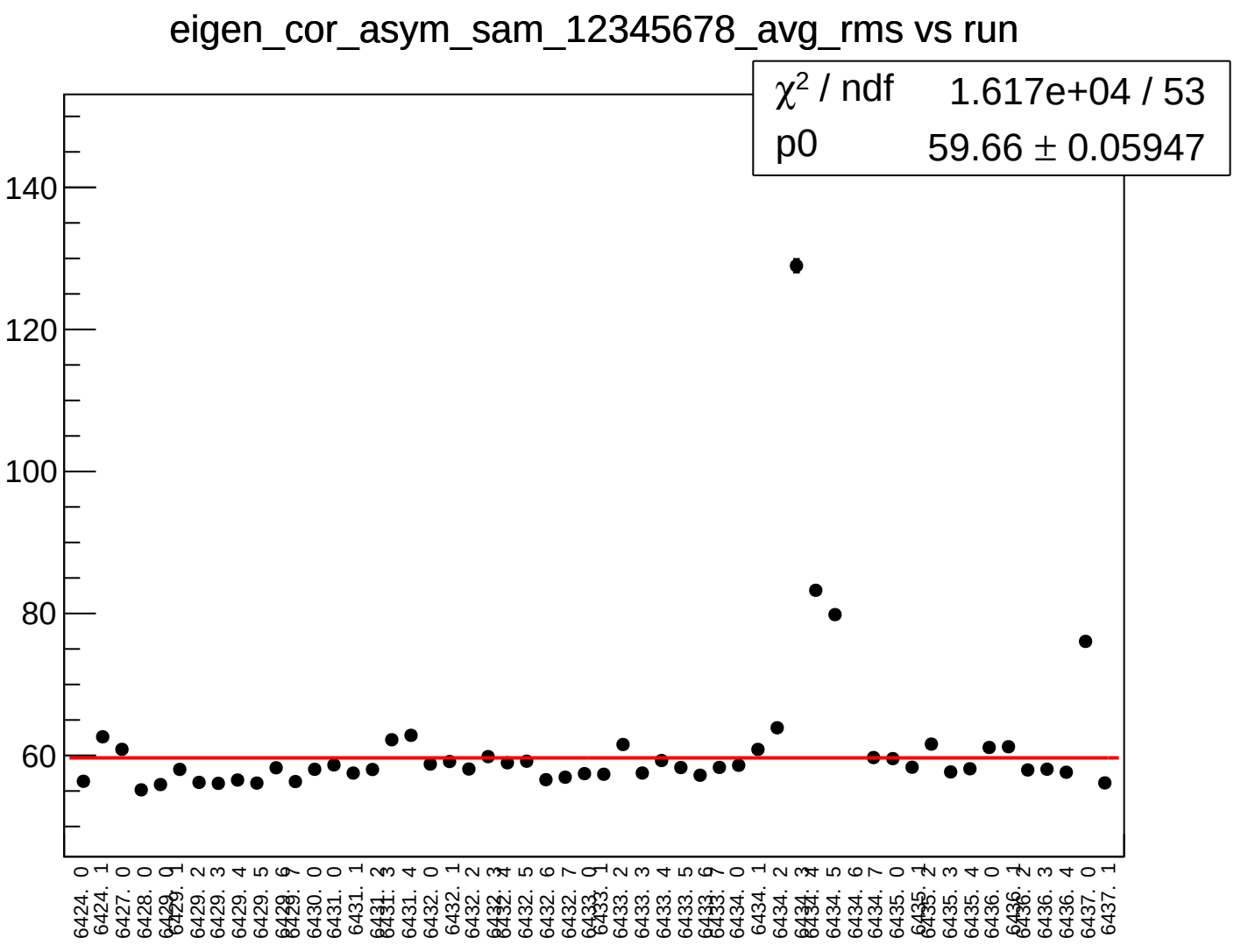

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.617e+04 / 53
p0 59.66 ± 0.05947
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

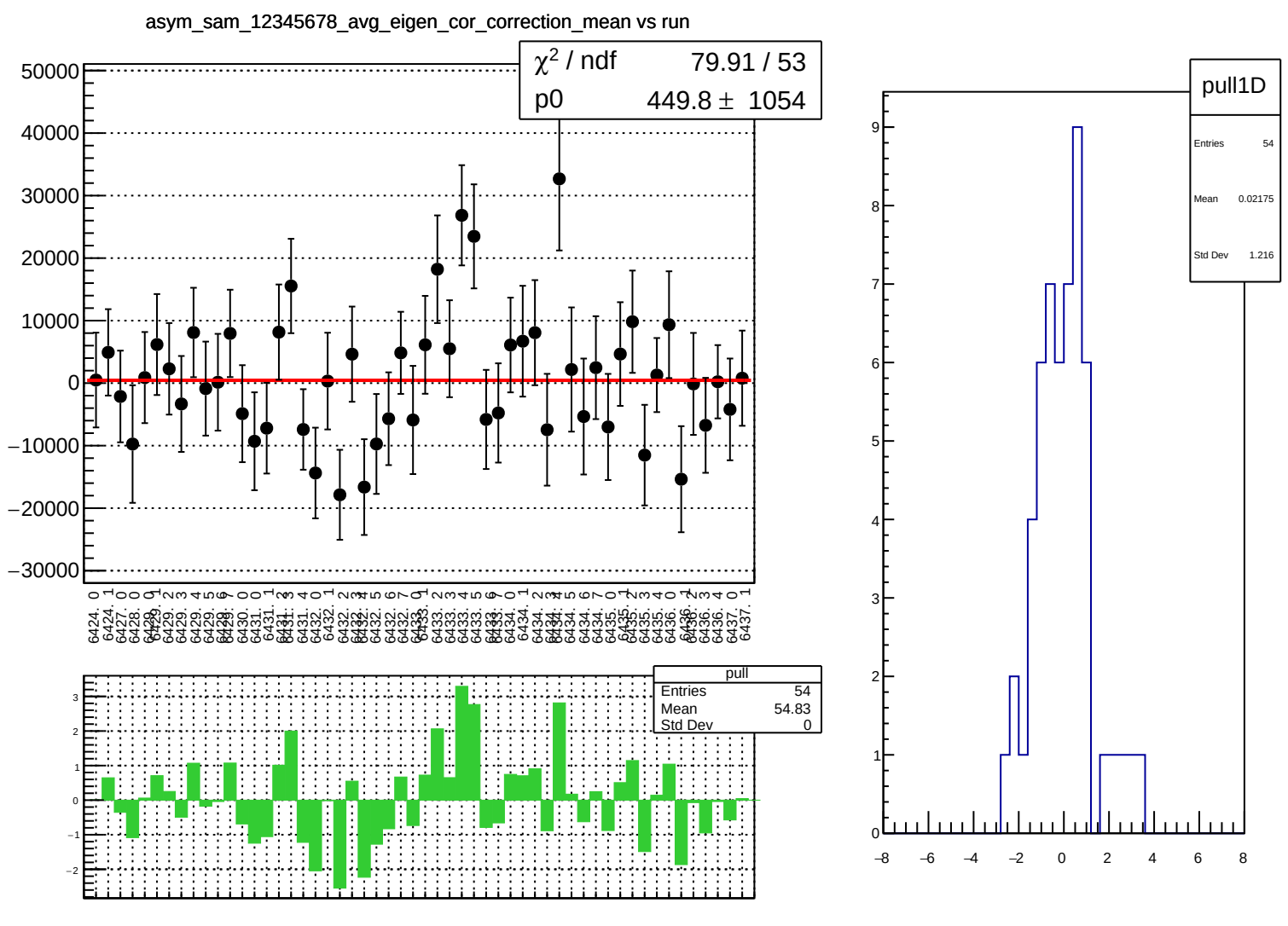

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 79.91 / 53
p0 449.8 ± 1054
pull
Entries 54
Mean 54.83
Std Dev 0
pull1D
Entries 54
Mean 0.02175
Std Dev 1.216

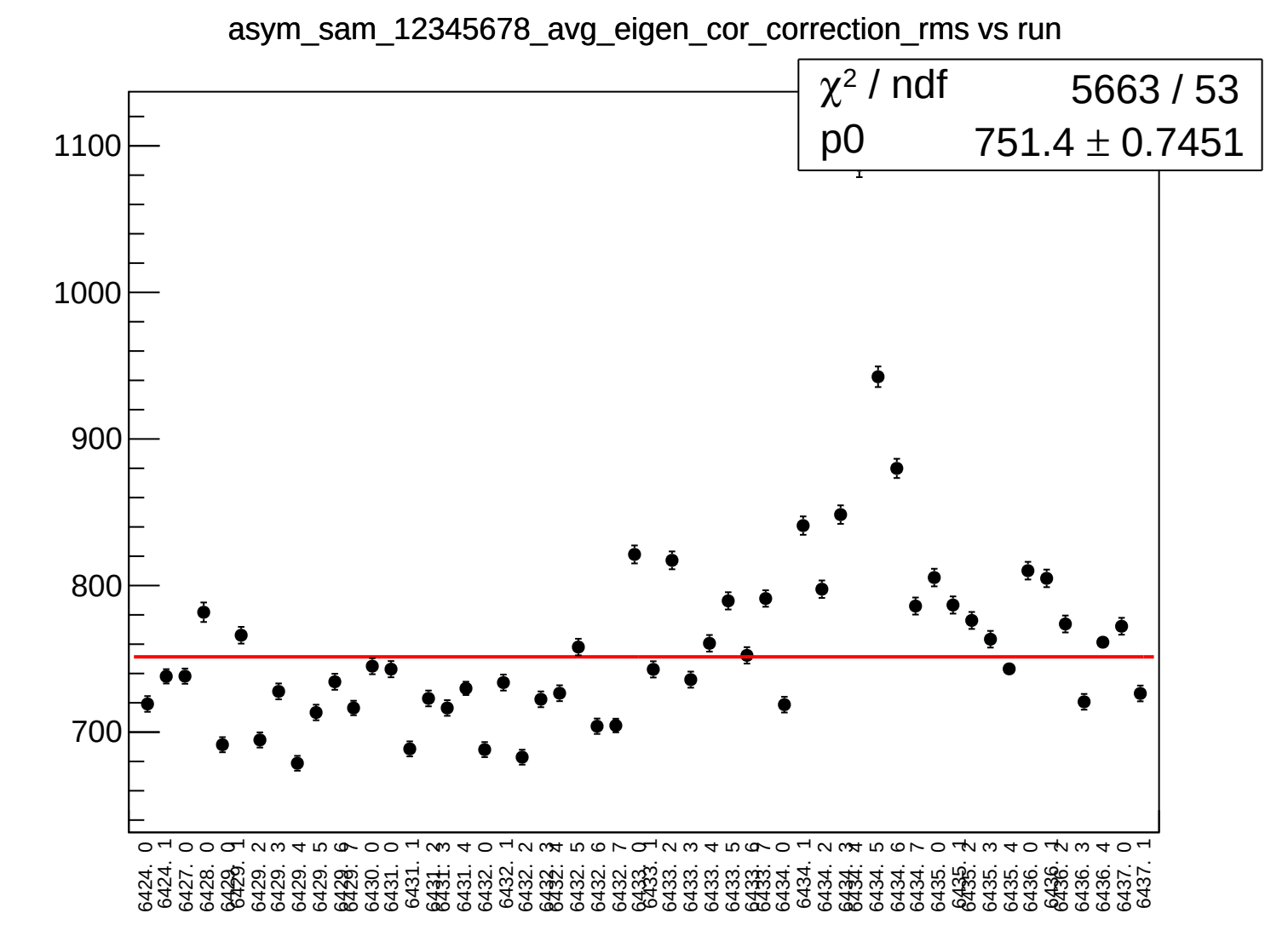

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 5663 / 53
p0 751.4 ± 0.7451
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

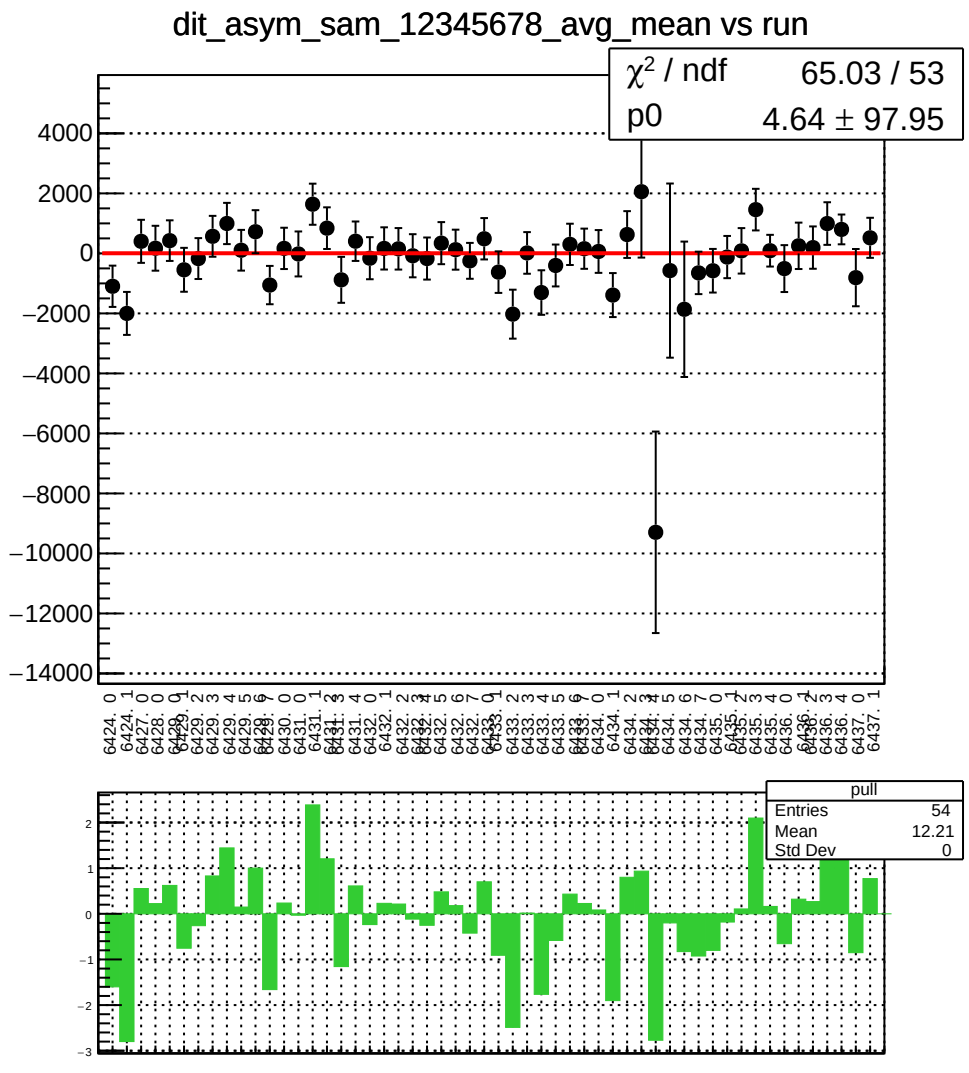

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 47.7 / 53
p0 −30.65 ± 84.11
pull
Entries 54
Mean 69.9
Std Dev 0

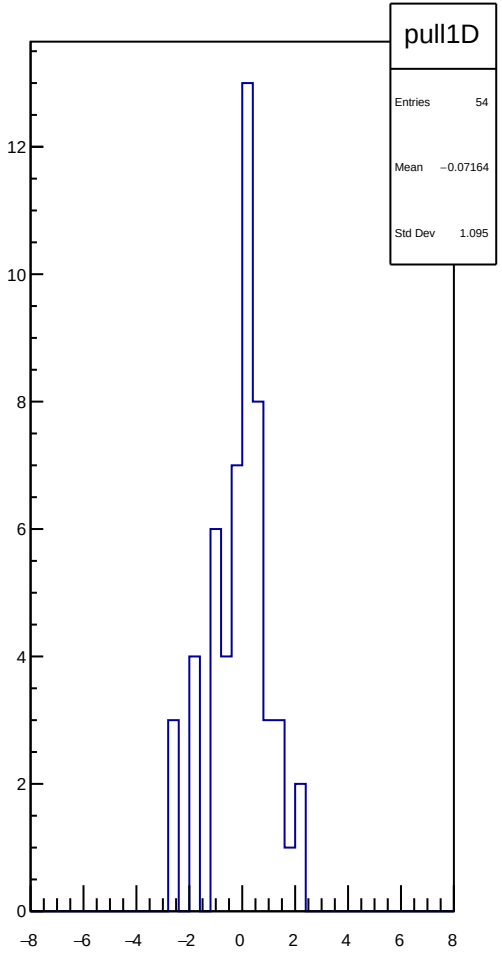

pull1D
Entries 54
Mean −0.03201
Std Dev 0.9393

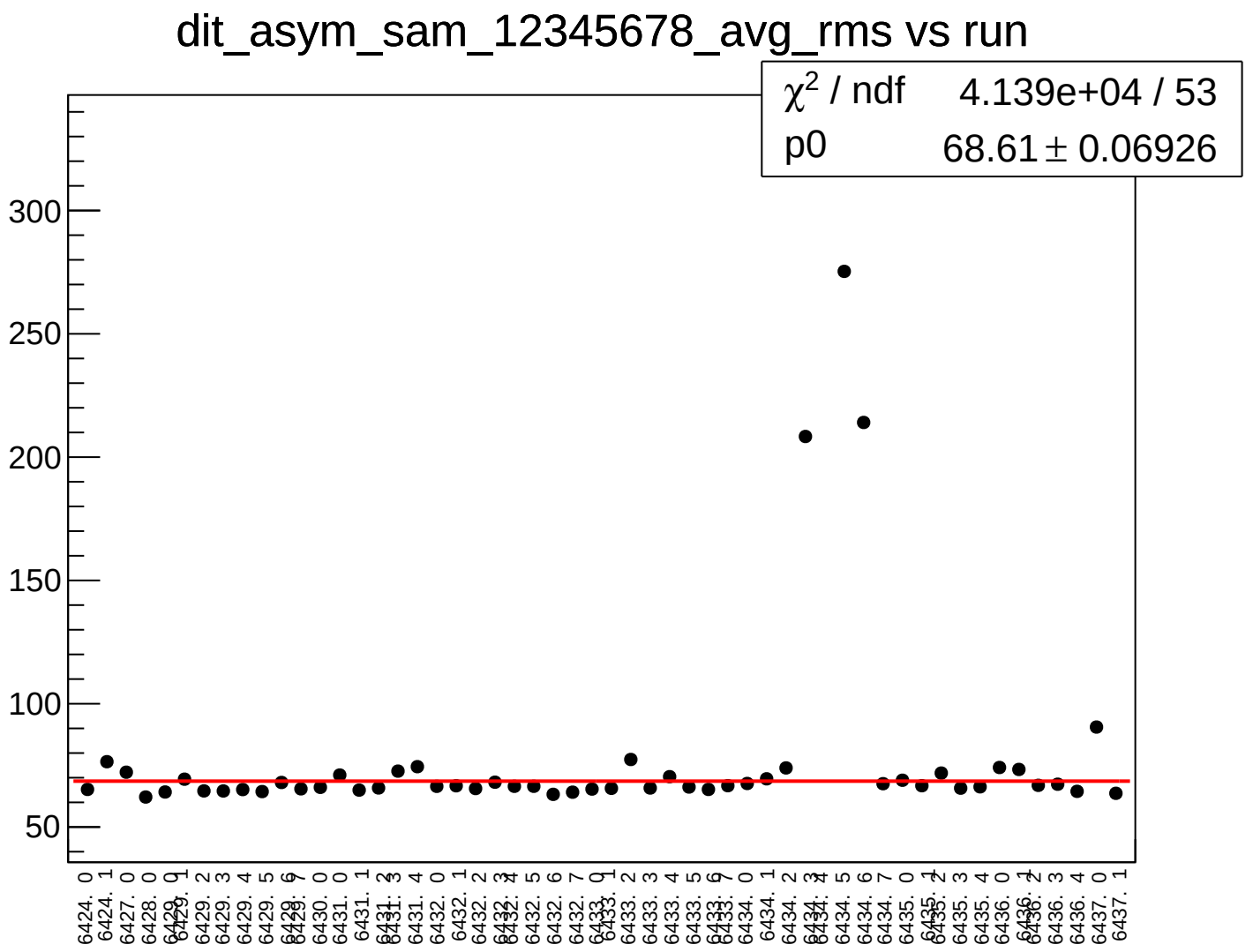

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.617e+04 / 53
p0 59.66 ± 0.05947
140
120
100
80
60
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

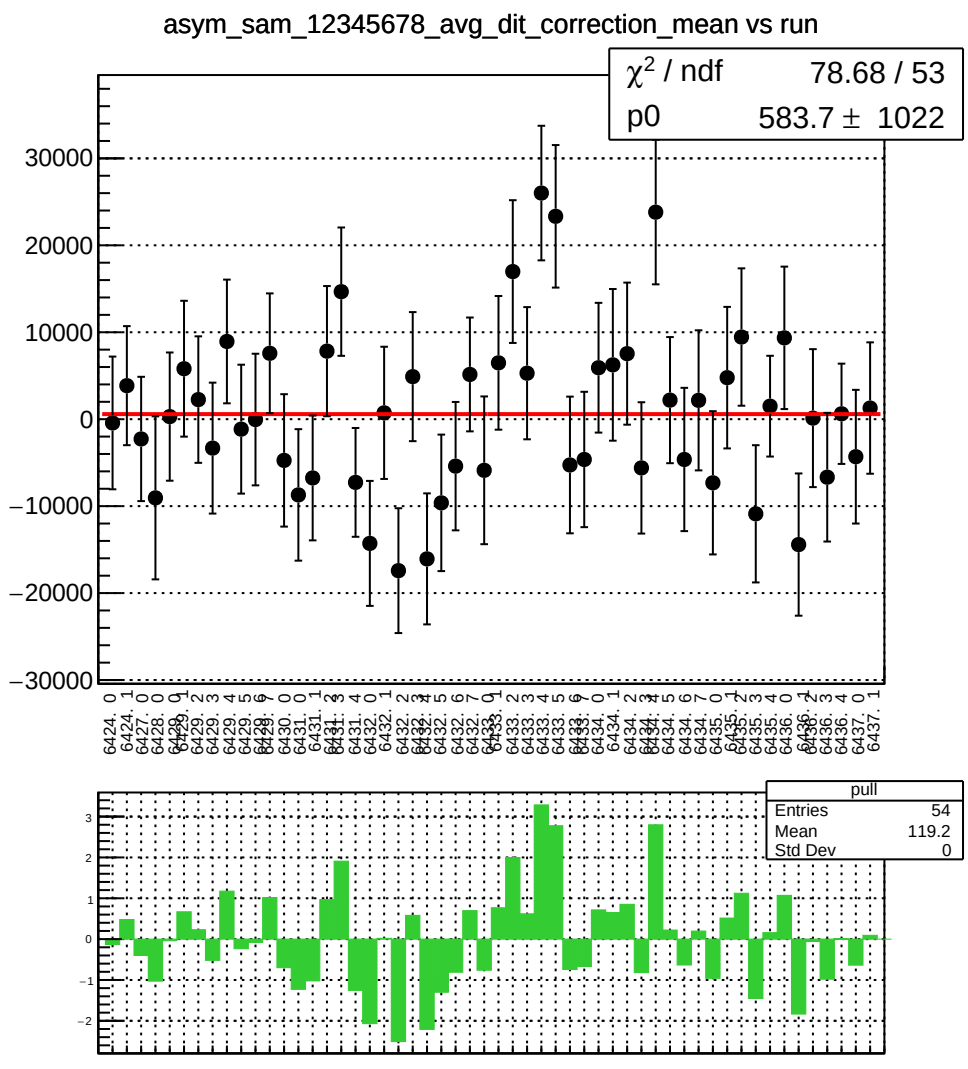

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 79.91 / 53
p0 449.8 ± 1054
pull
Entries 54
Mean 54.83
Std Dev 0
pull1D
Entries 54
Mean 0.02175
Std Dev 1.216

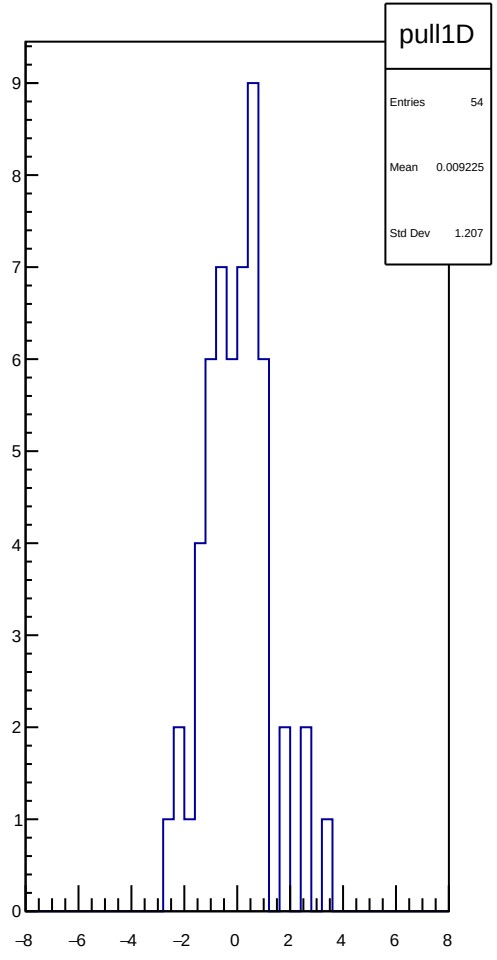

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 5663 / 53
p0 751.4 ± 0.7451
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

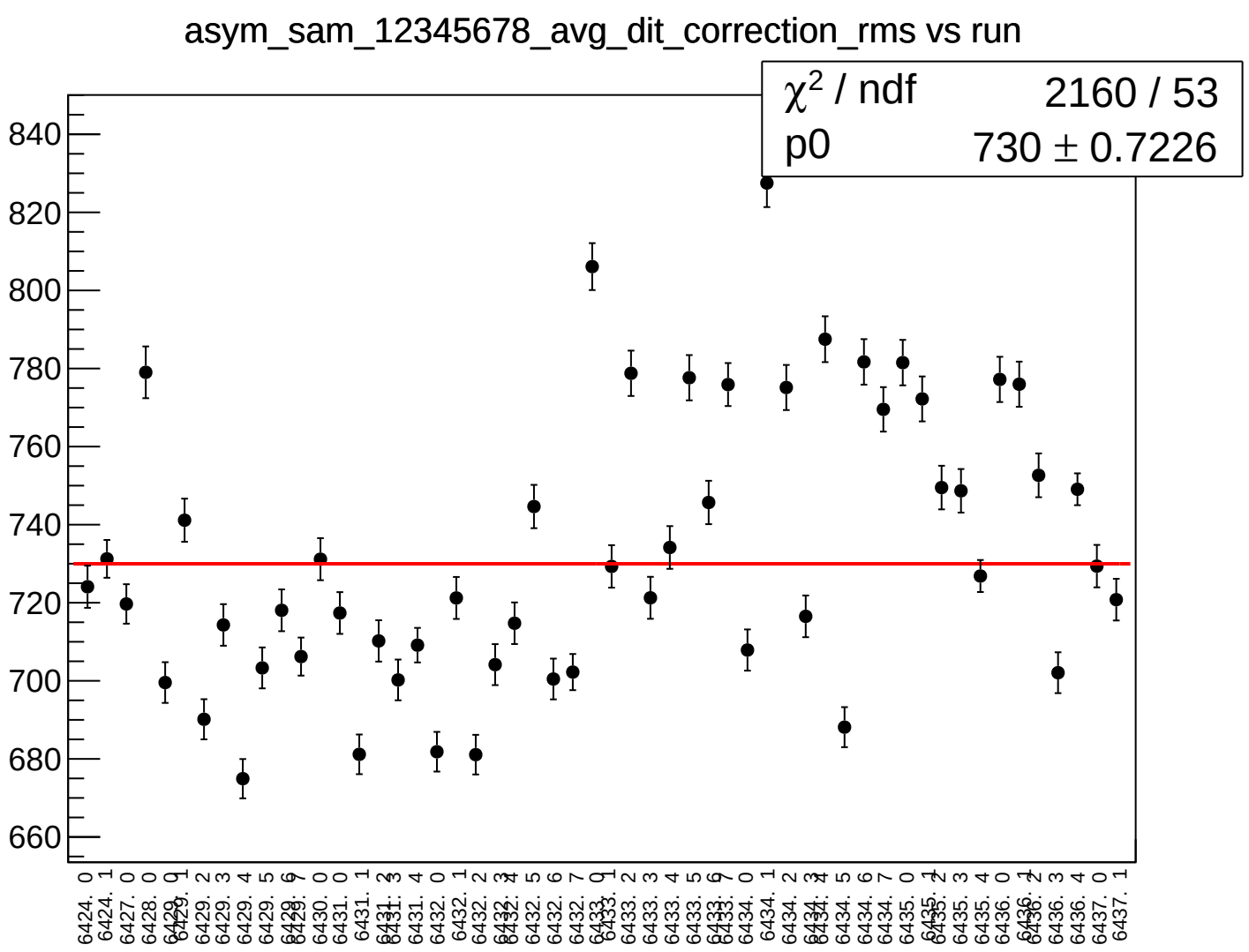

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.03 / 53
p0 4.64 ± 97.95
pull
Entries 54
Mean 12.21
Std Dev 0

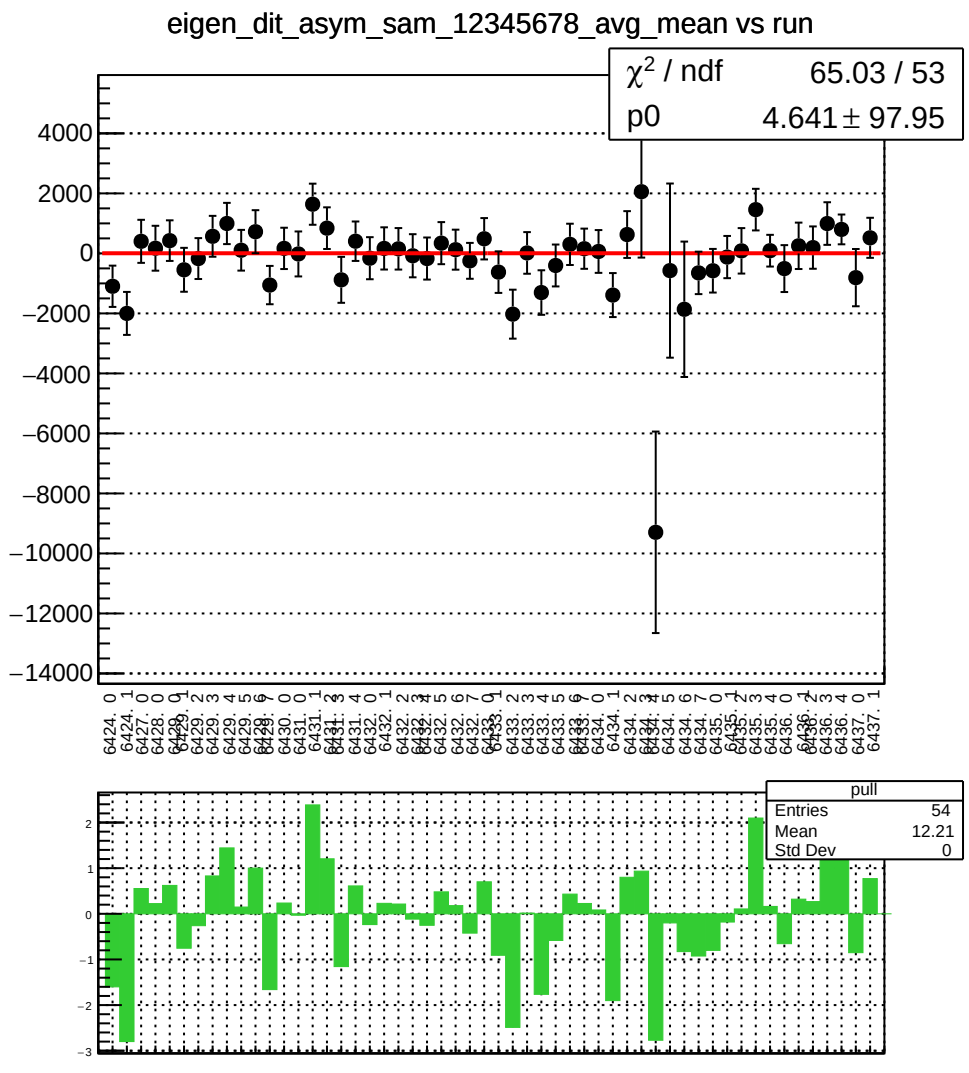

pull1D
Entries 54
Mean −0.07164
Std Dev 1.095

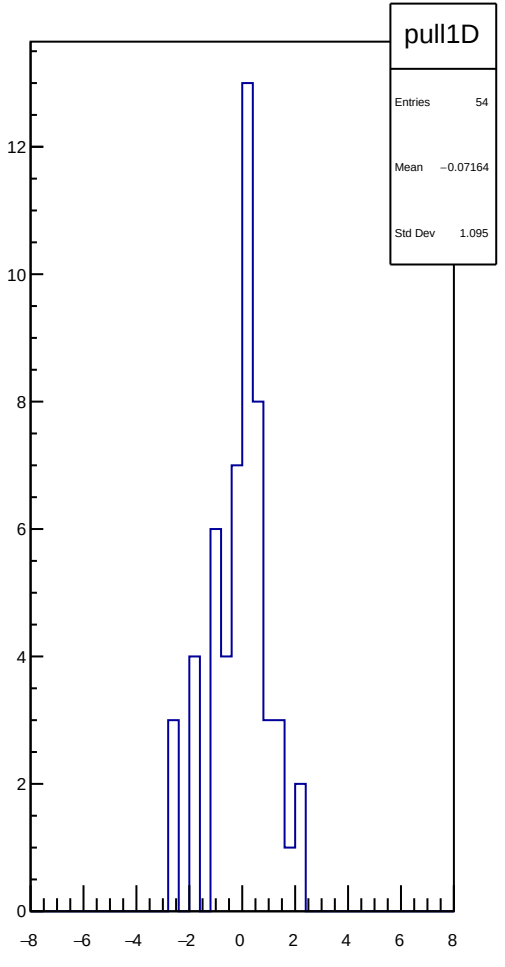

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.139e+04 / 53
p0 68.61 ± 0.06926
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

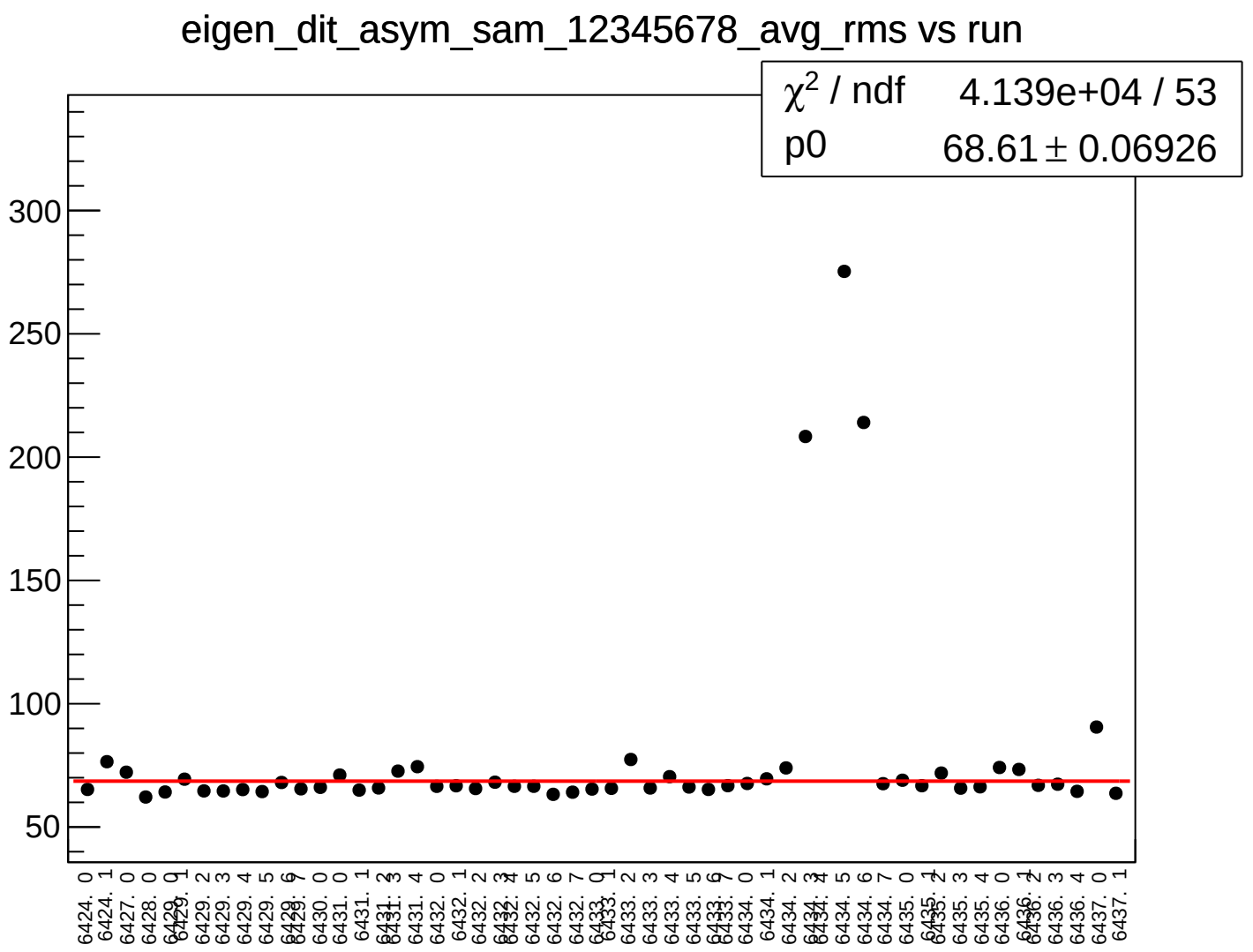

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 78.68 / 53
p0 583.7 ± 1022
pull
Entries 54
Mean 119.2
Std Dev 0

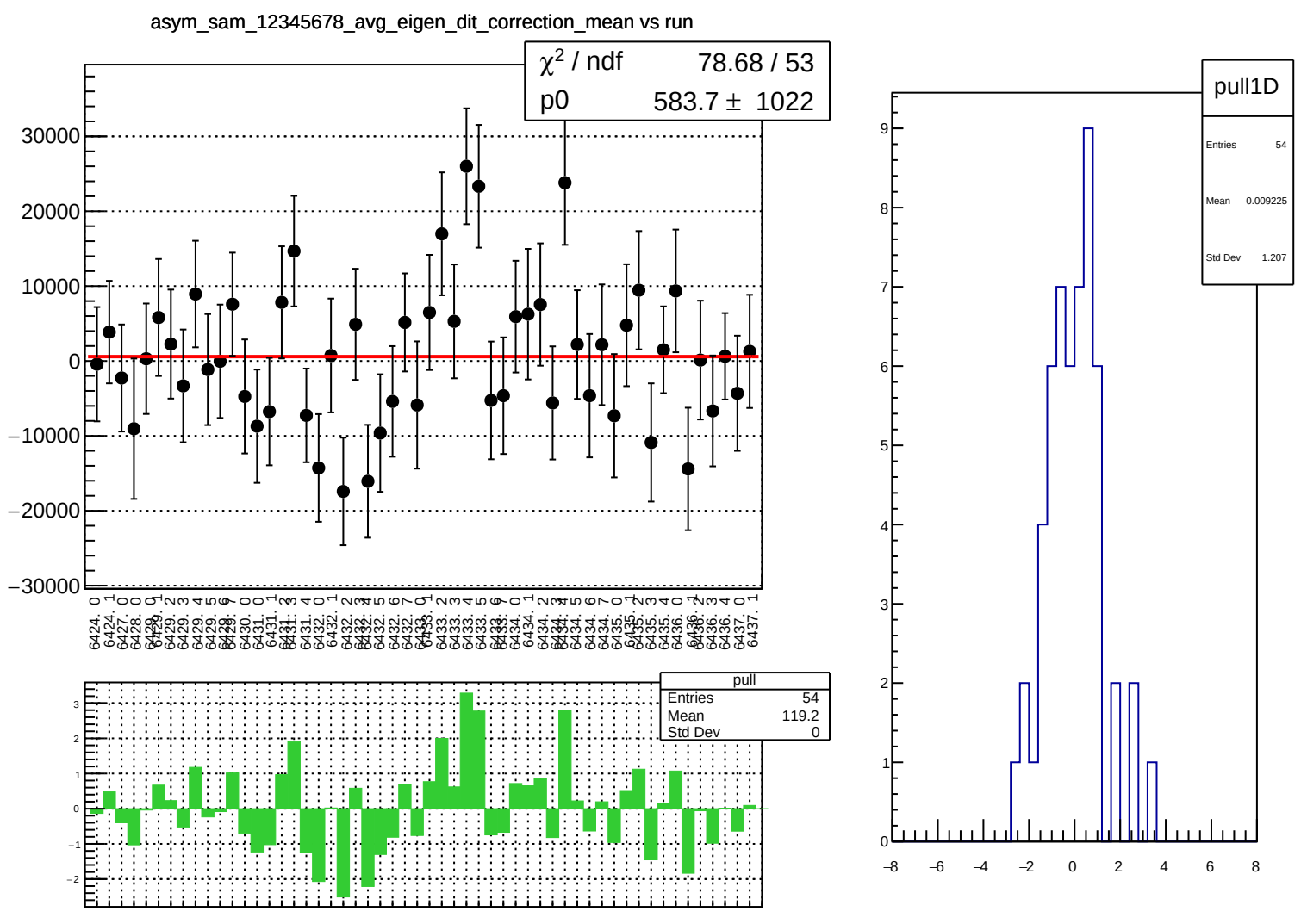

pull1D
Entries 54
Mean 0.009225
Std Dev 1.207

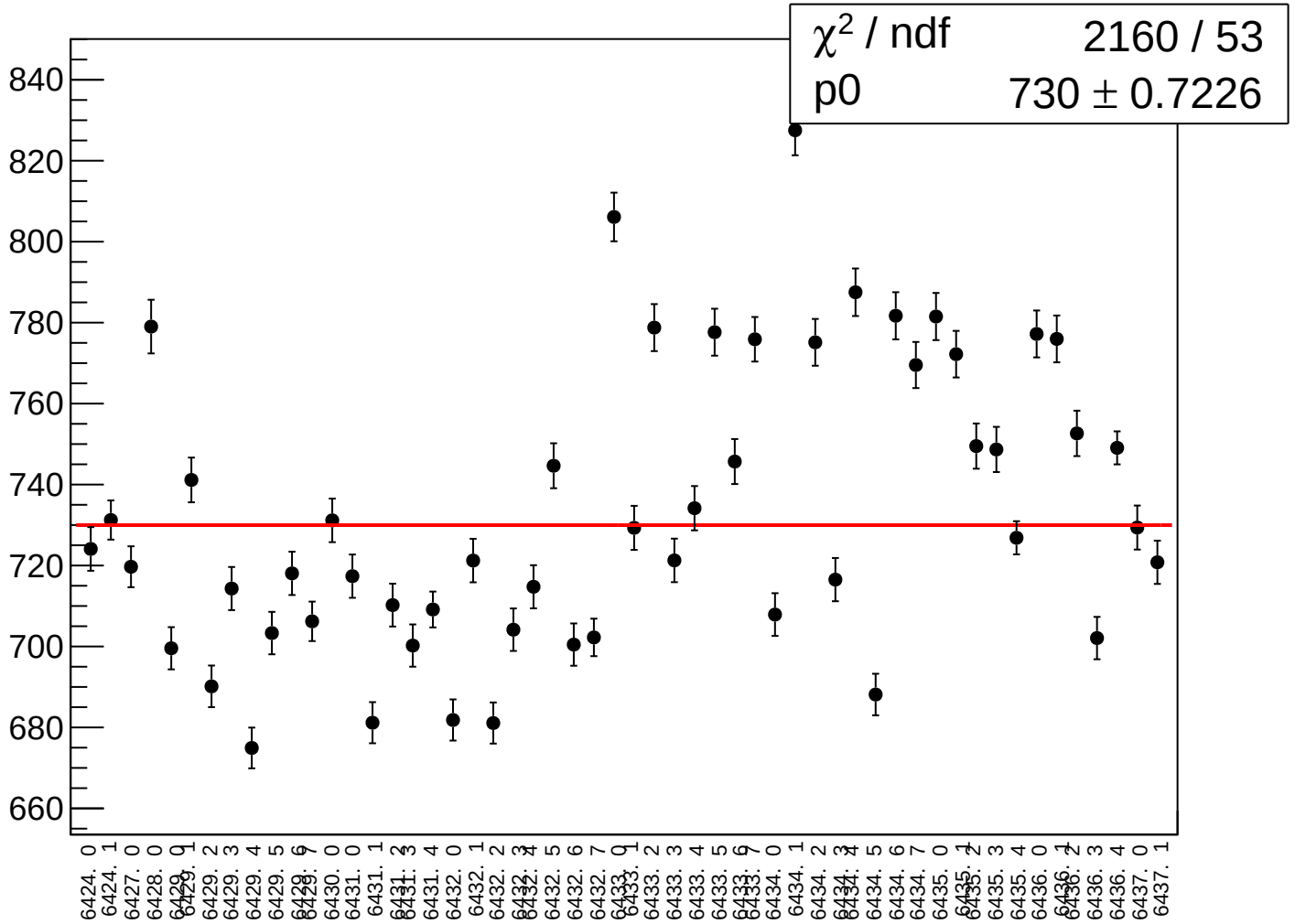

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2160 / 53
p0 730 ± 0.7226
840
820
800
780
760
740
720
700
680
660
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

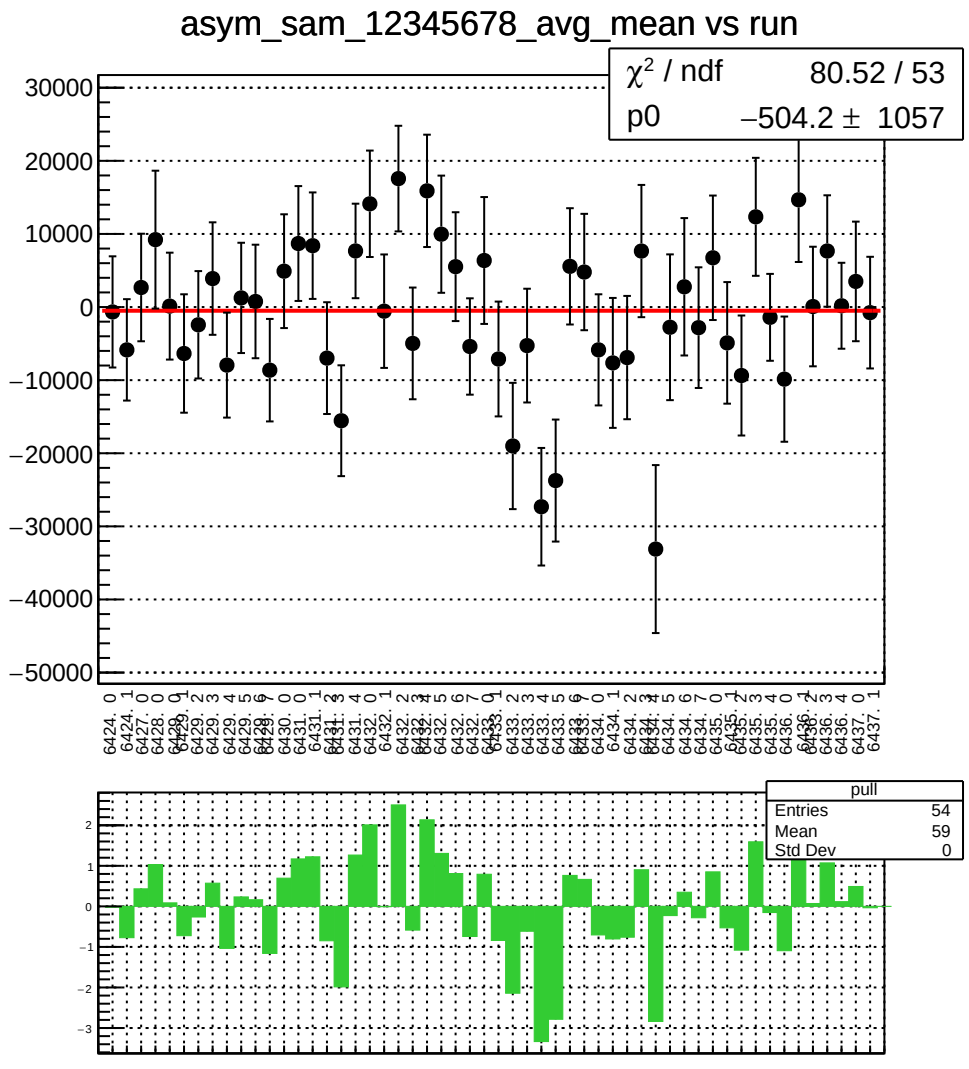

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.03 / 53
p0 4.641 ± 97.95
pull
Entries 54
Mean 12.21
Std Dev 0

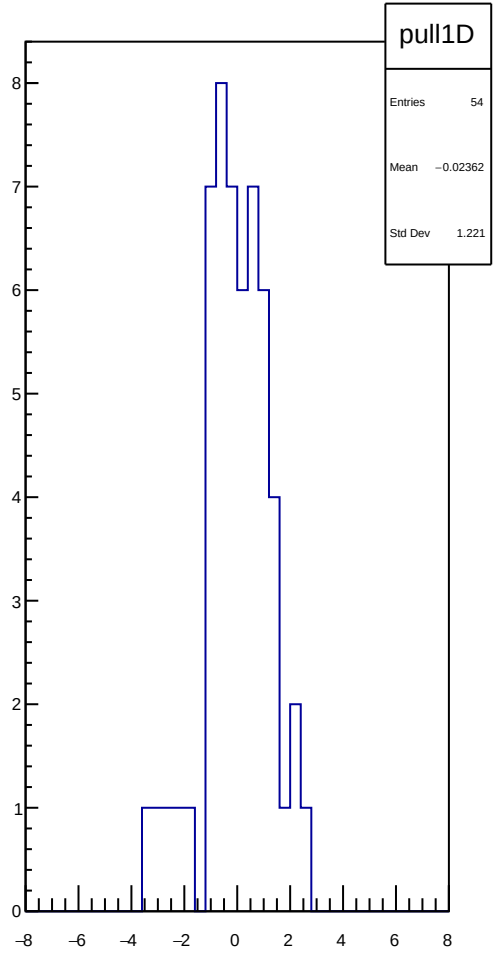

pull1D
Entries 54
Mean −0.07164
Std Dev 1.095

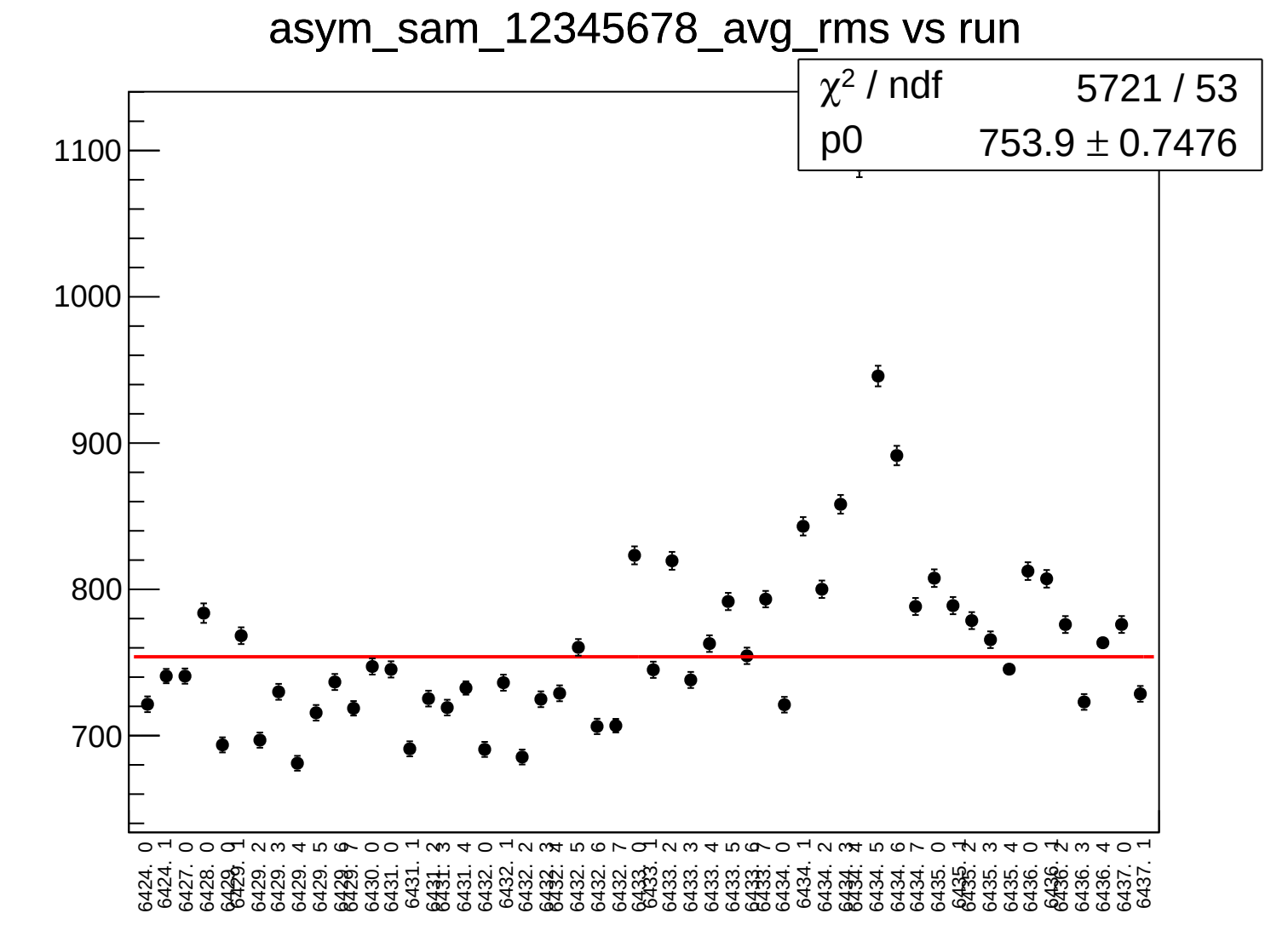

eigen_dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 4.139e+04 / 53
p0 68.61 ± 0.06926
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.68 / 53
p0 583.7 ± 1022
pull
Entries 54
Mean 119.2
Std Dev 0
pull1D
Entries 54
Mean 0.009225
Std Dev 1.207


asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2160 / 53
p0 730 ± 0.7226
840
820
800
780
760
740
720
700
680
660
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_12345678_avg_mean vs run
χ² / ndf 80.52 / 53
p0 −504.2 ± 1057
pull
Entries 54
Mean 59
Std Dev 0


pull1D
Entries 54
Mean −0.02362
Std Dev 1.221


asym_sam_12345678_avg_rms vs run
χ² / ndf 5721 / 53
p0 753.9 ± 0.7476
1100
1000
900
800
700
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
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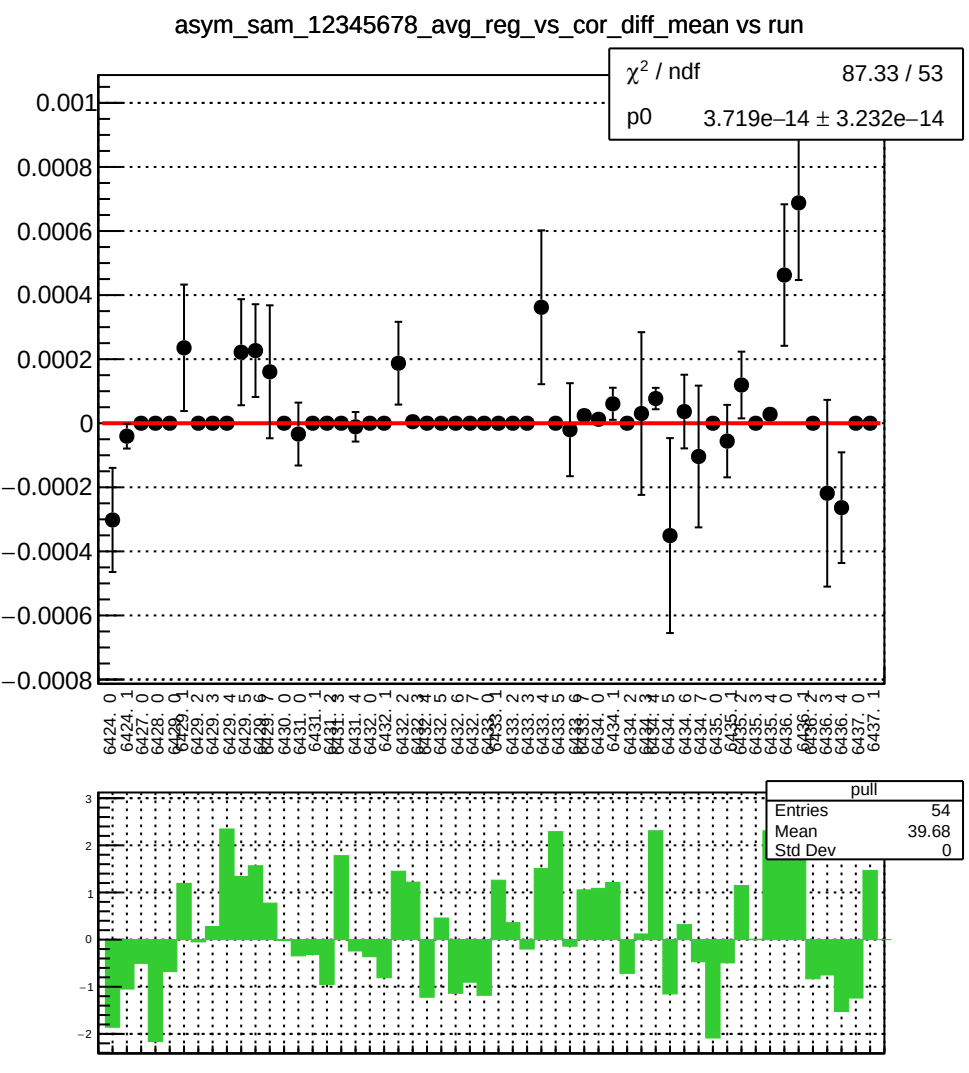
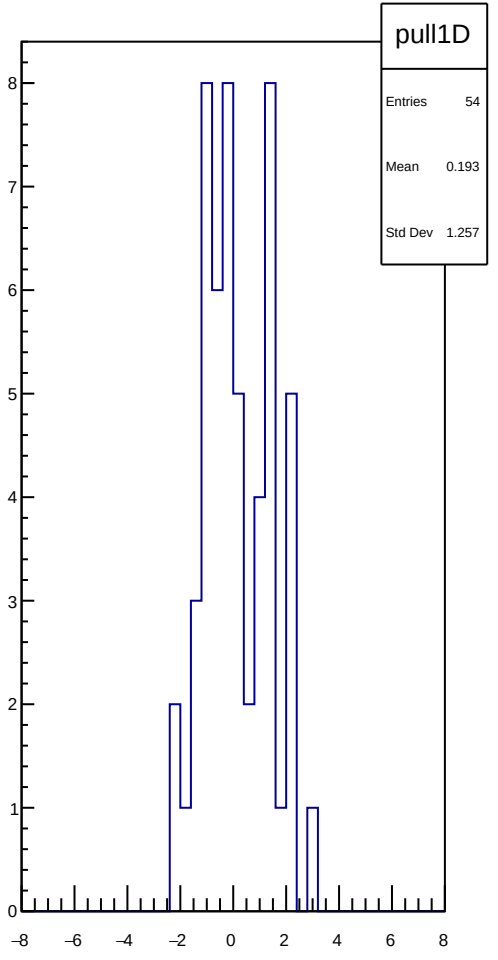
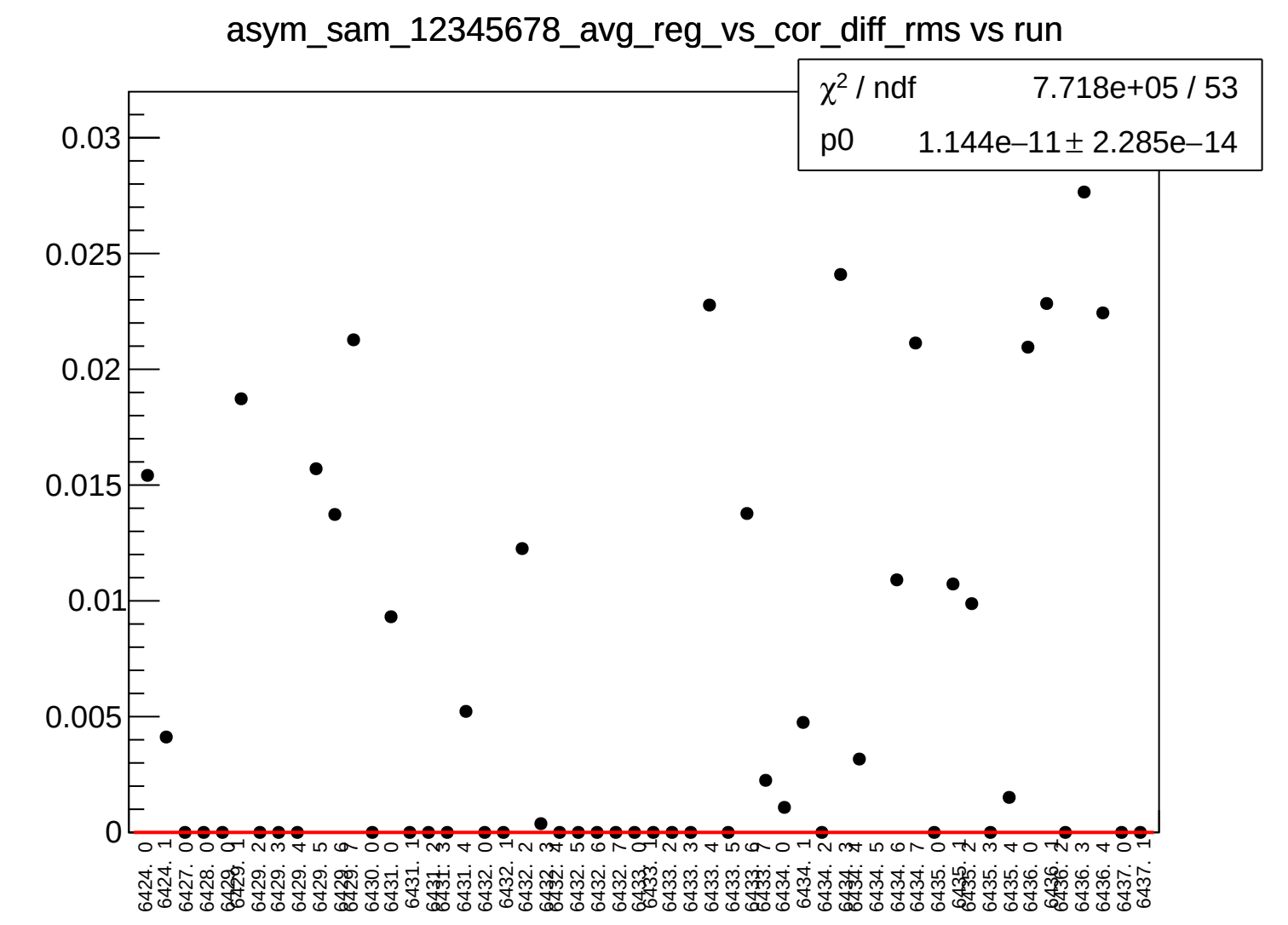
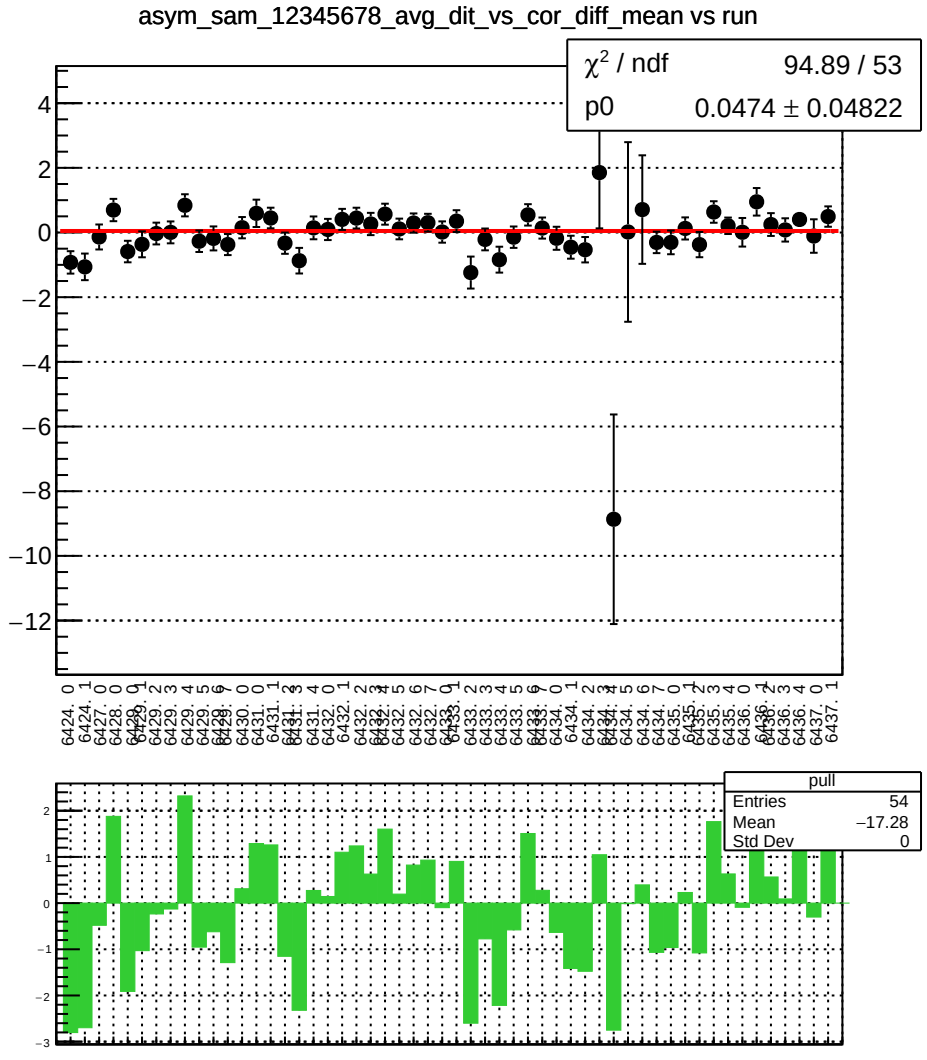
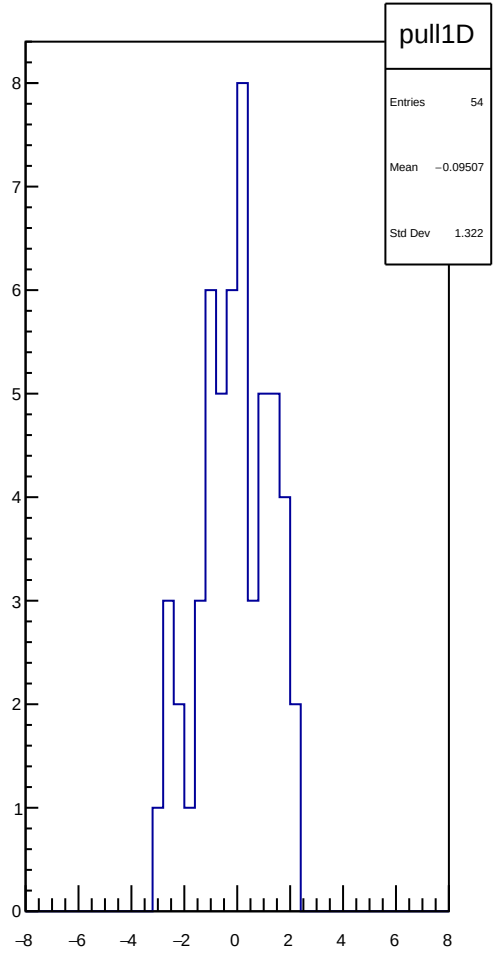
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

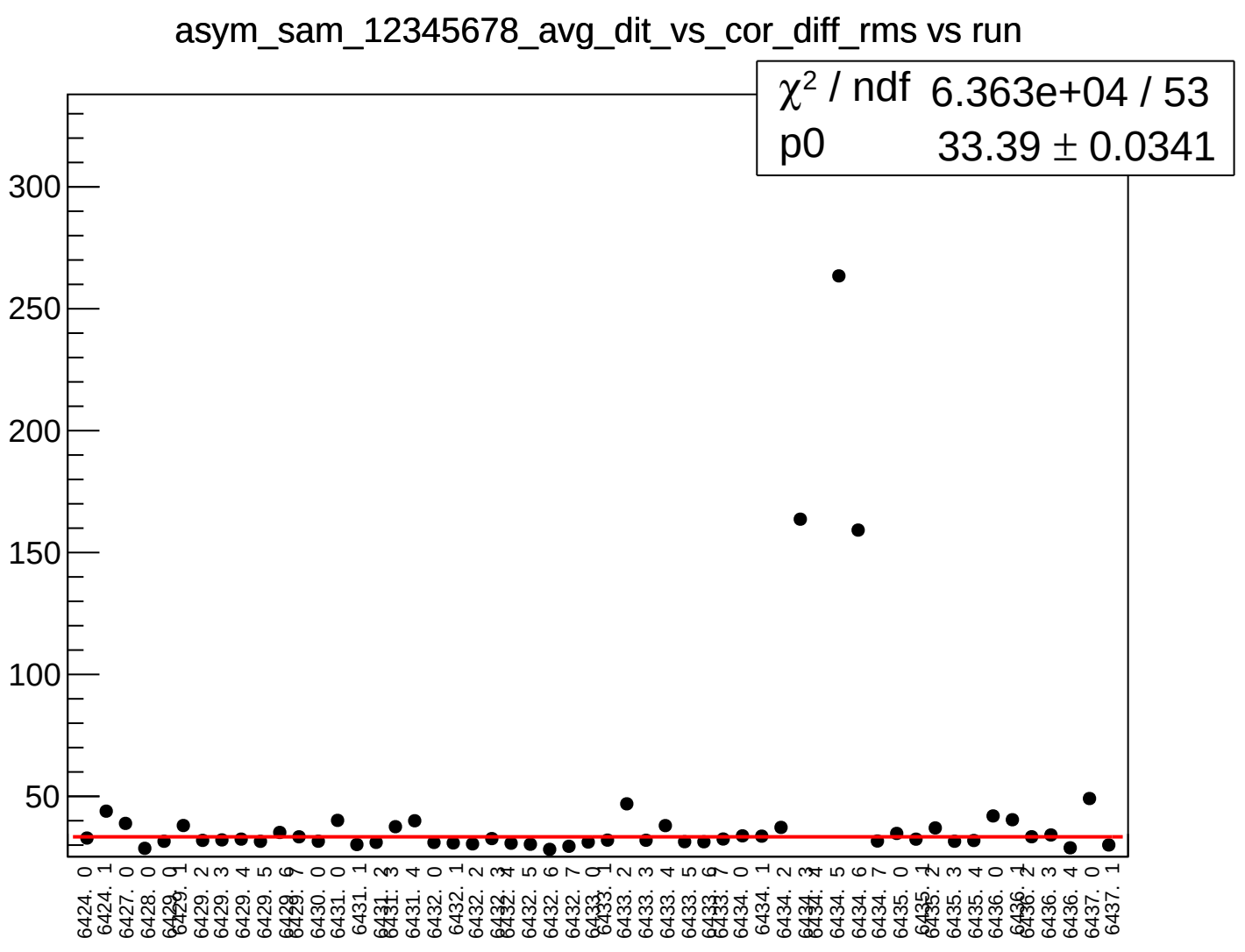

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.33 / 53
p0 3.719e−14 ± 3.232e−14
pull
Entries 54
Mean 39.68
Std Dev 0

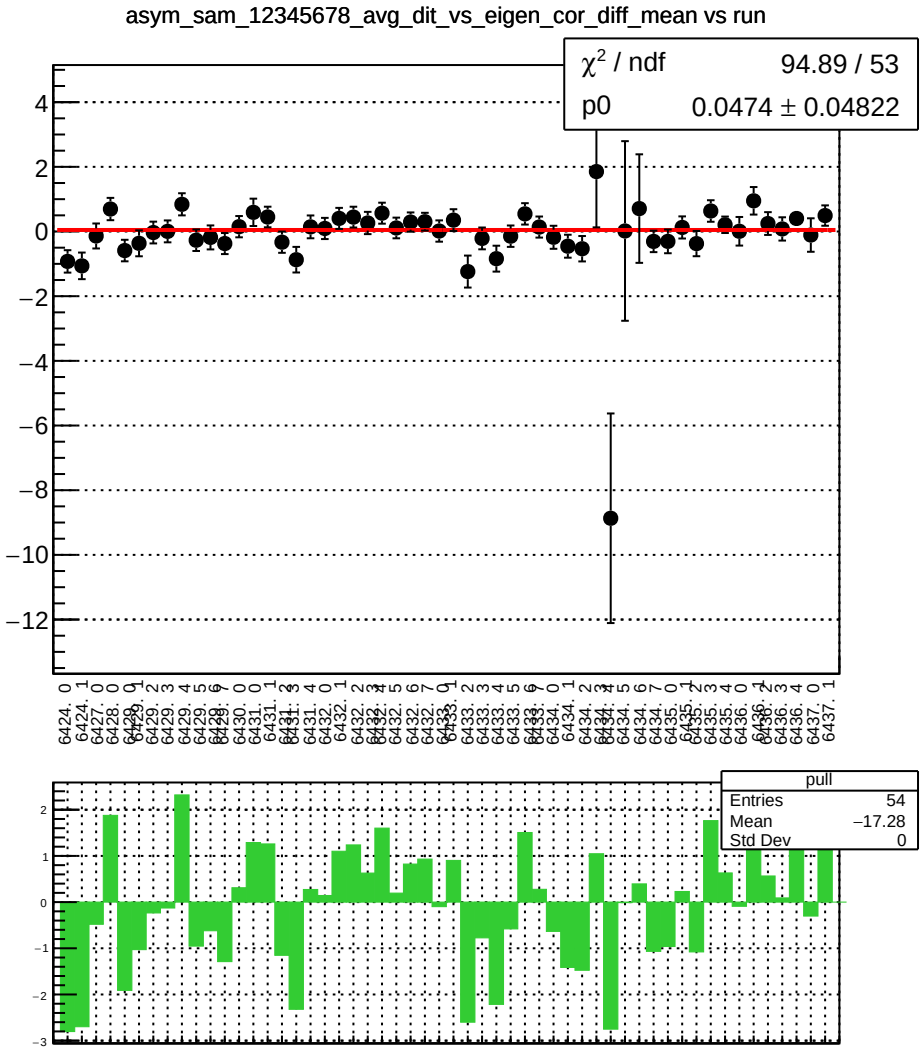

pull1D
Entries 54
Mean 0.193
Std Dev 1.257

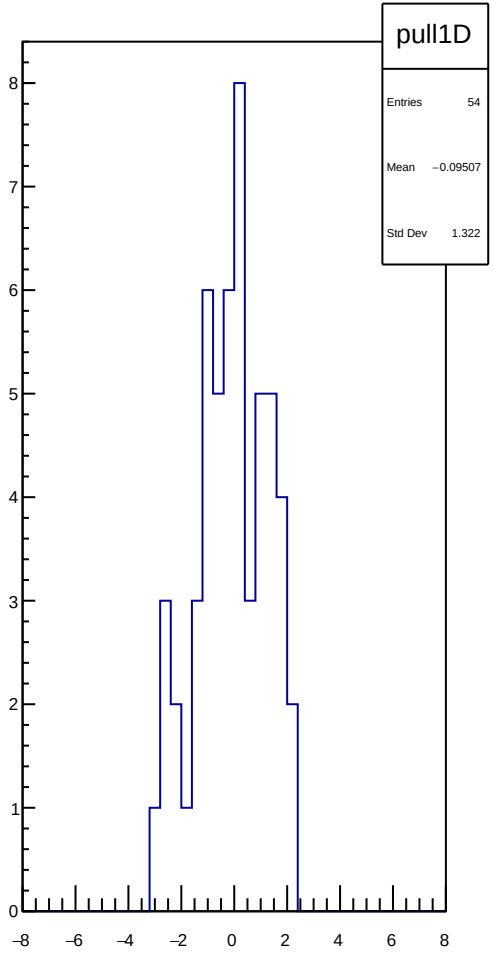

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.718e+05 / 53
p0 1.144e−11 ± 2.285e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

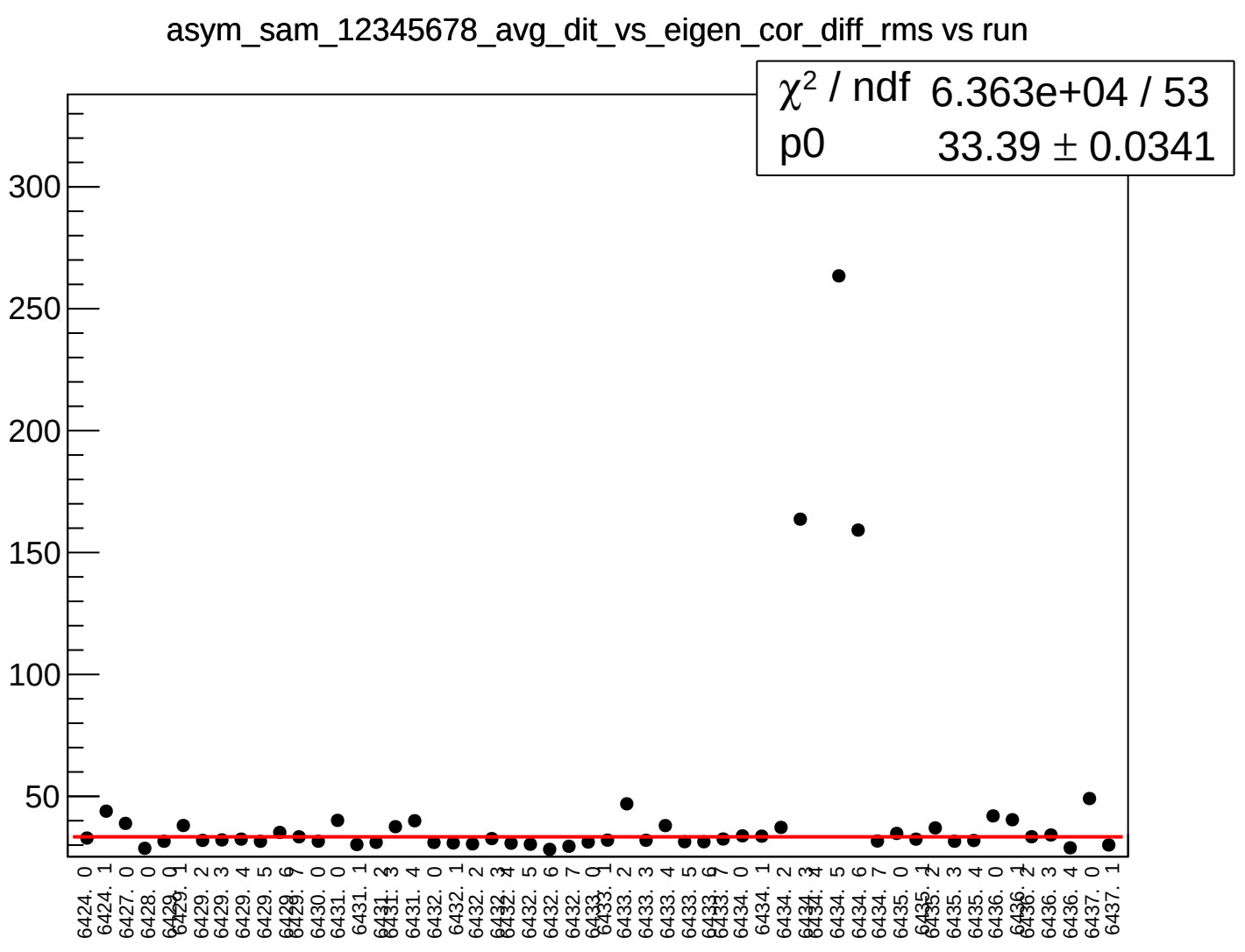

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.89 / 53
p0 0.0474 ± 0.04822
pull
Entries 54
Mean −17.28
Std Dev 0

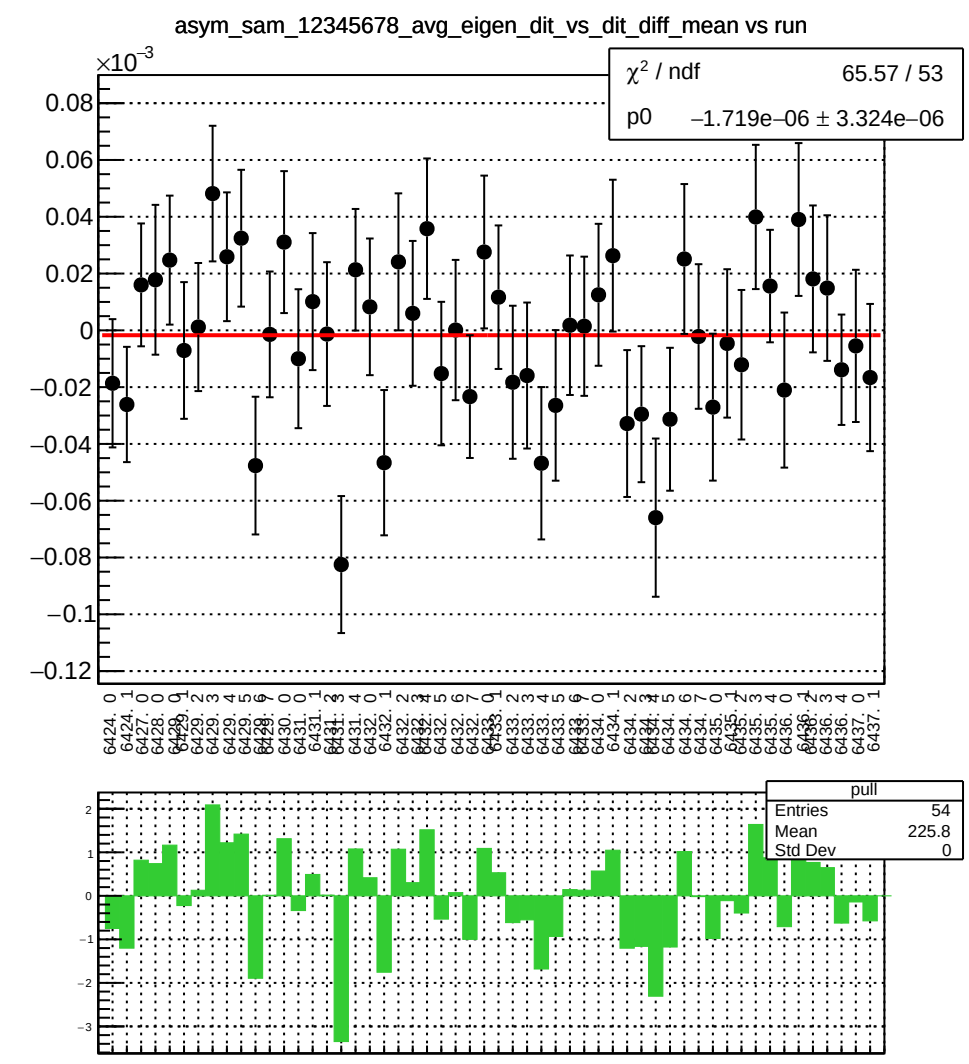

pull1D
Entries 54
Mean −0.09507
Std Dev 1.322

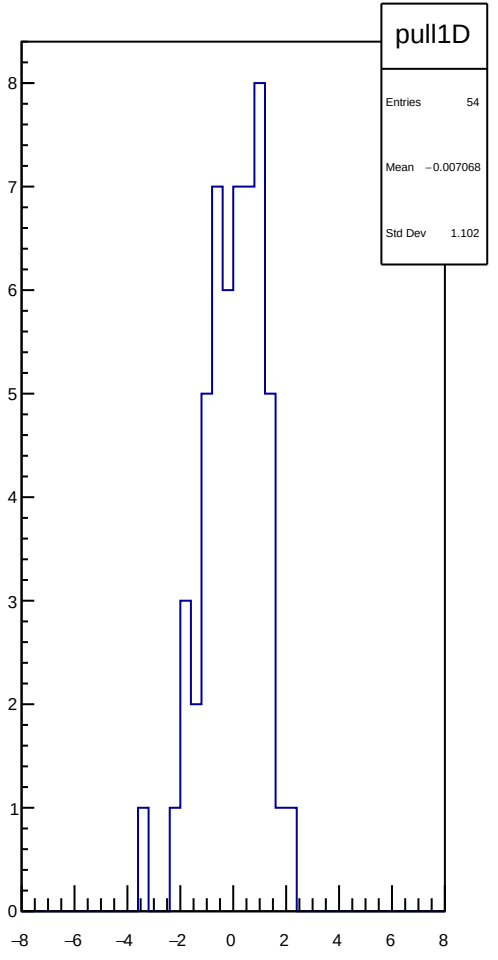

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.363e+04 / 53
p0 33.39 ± 0.0341
300
250
200
150
100
50

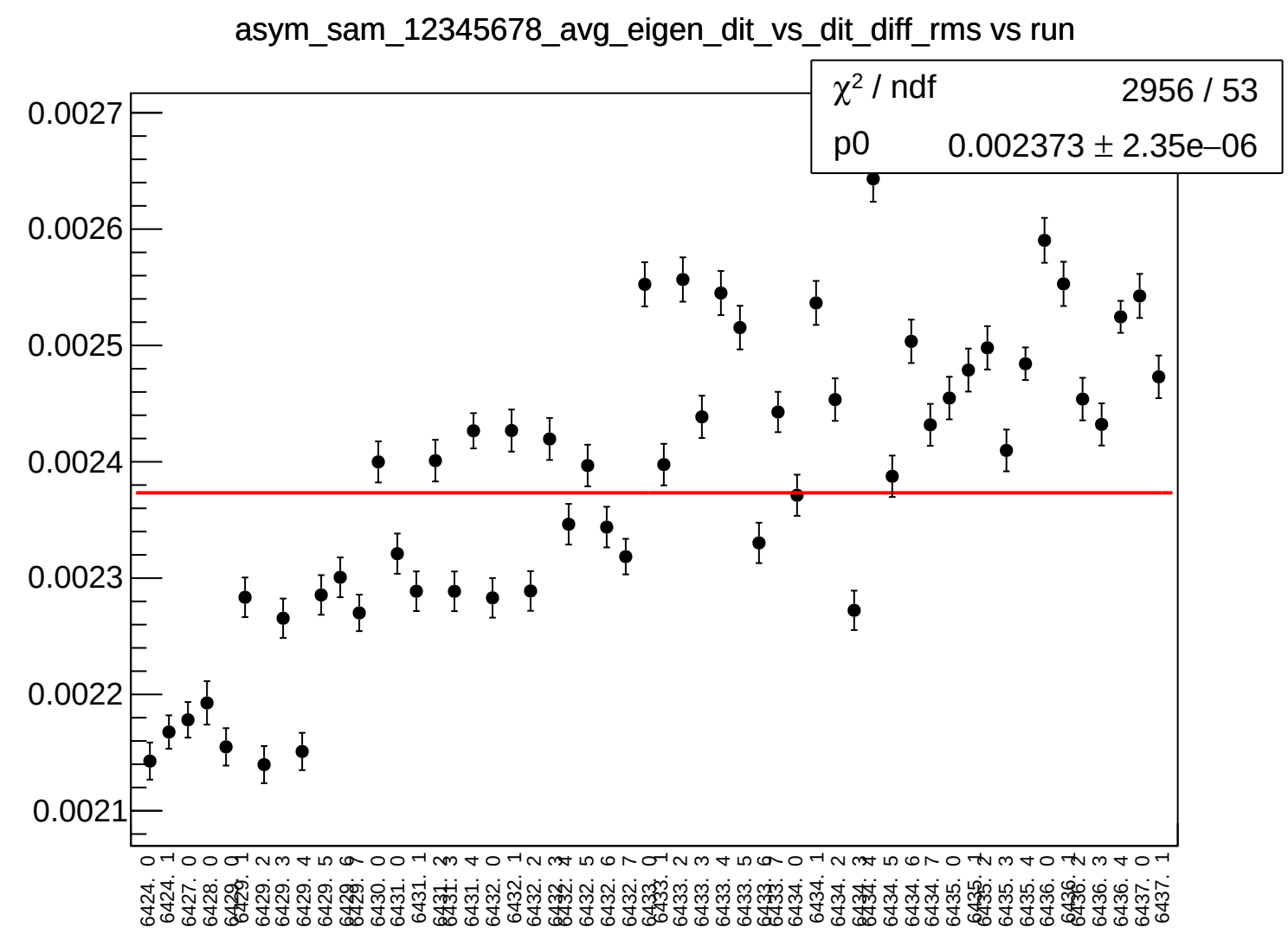

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.89 / 53
p0 0.0474 ± 0.04822
pull
Entries 54
Mean −17.28
Std Dev 0

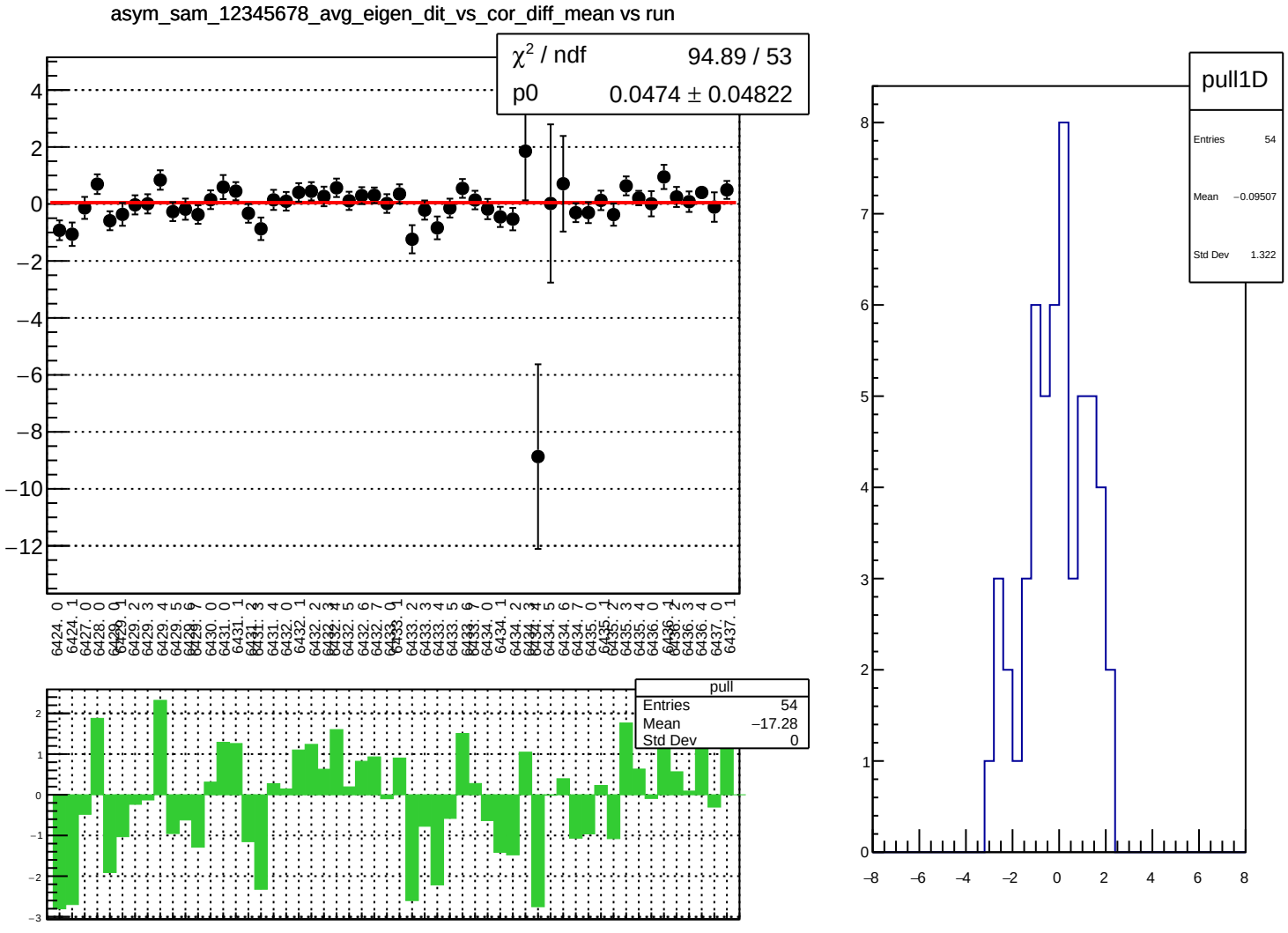

pull1D
Entries 54
Mean −0.09507
Std Dev 1.322

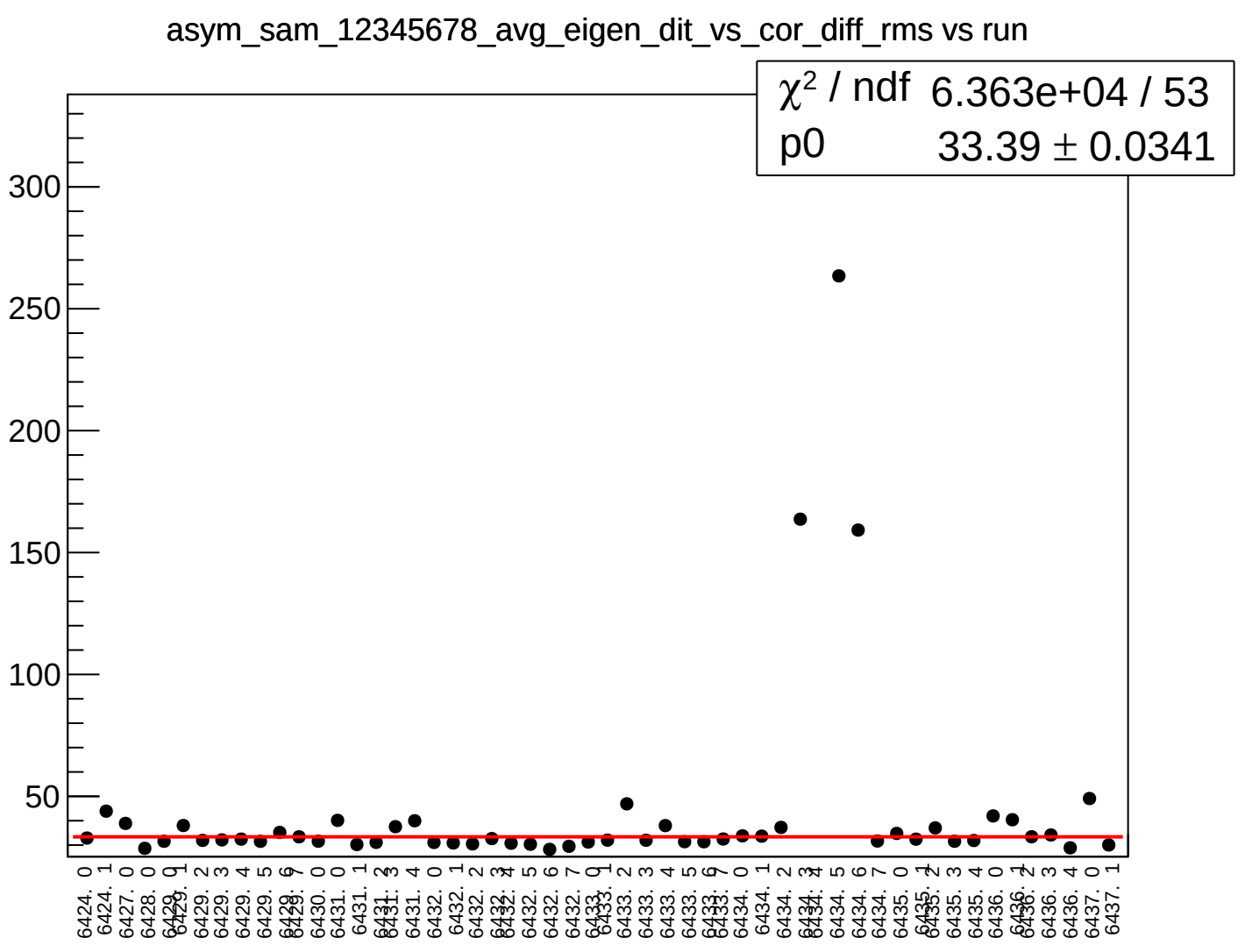

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.363e+04 / 53
p0 33.39 ± 0.0341
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

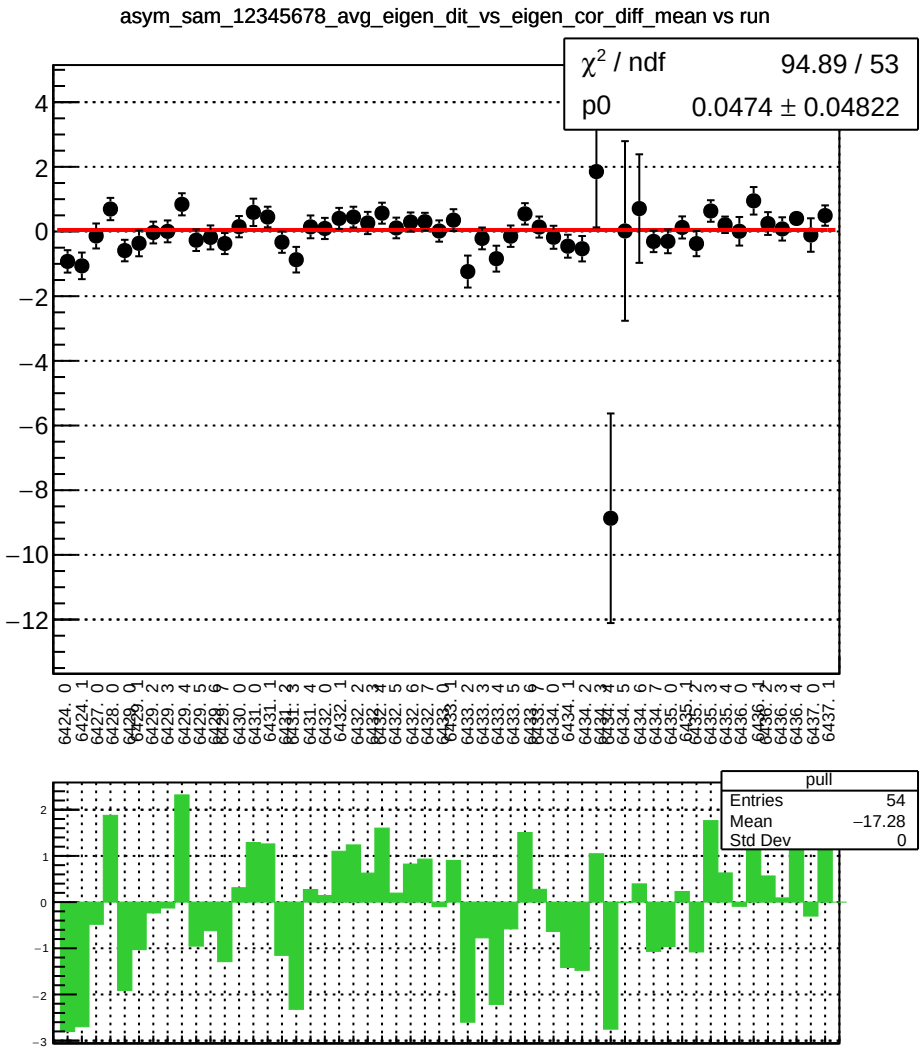

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.57 / 53
p0 −1.719e−06 ± 3.324e−06
pull
Entries 54
Mean 225.8
Std Dev 0

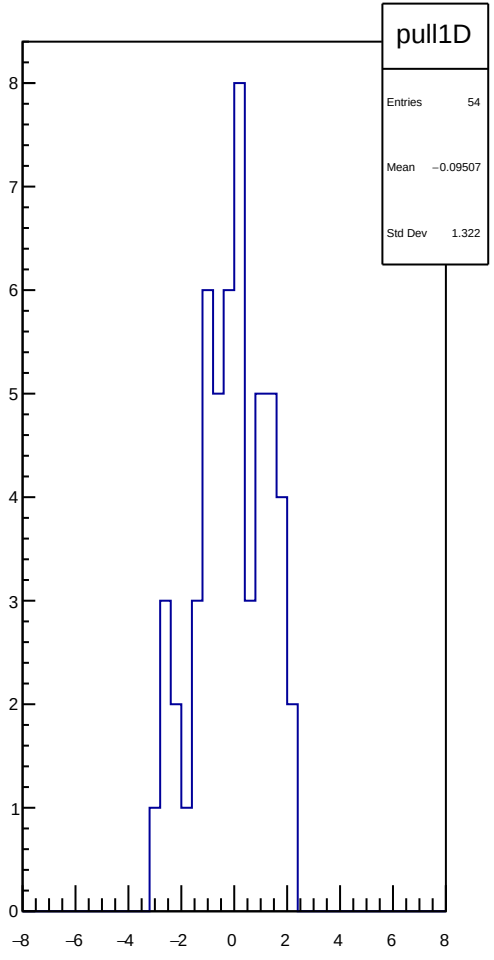

pull1D
Entries 54
Mean −0.007068
Std Dev 1.102

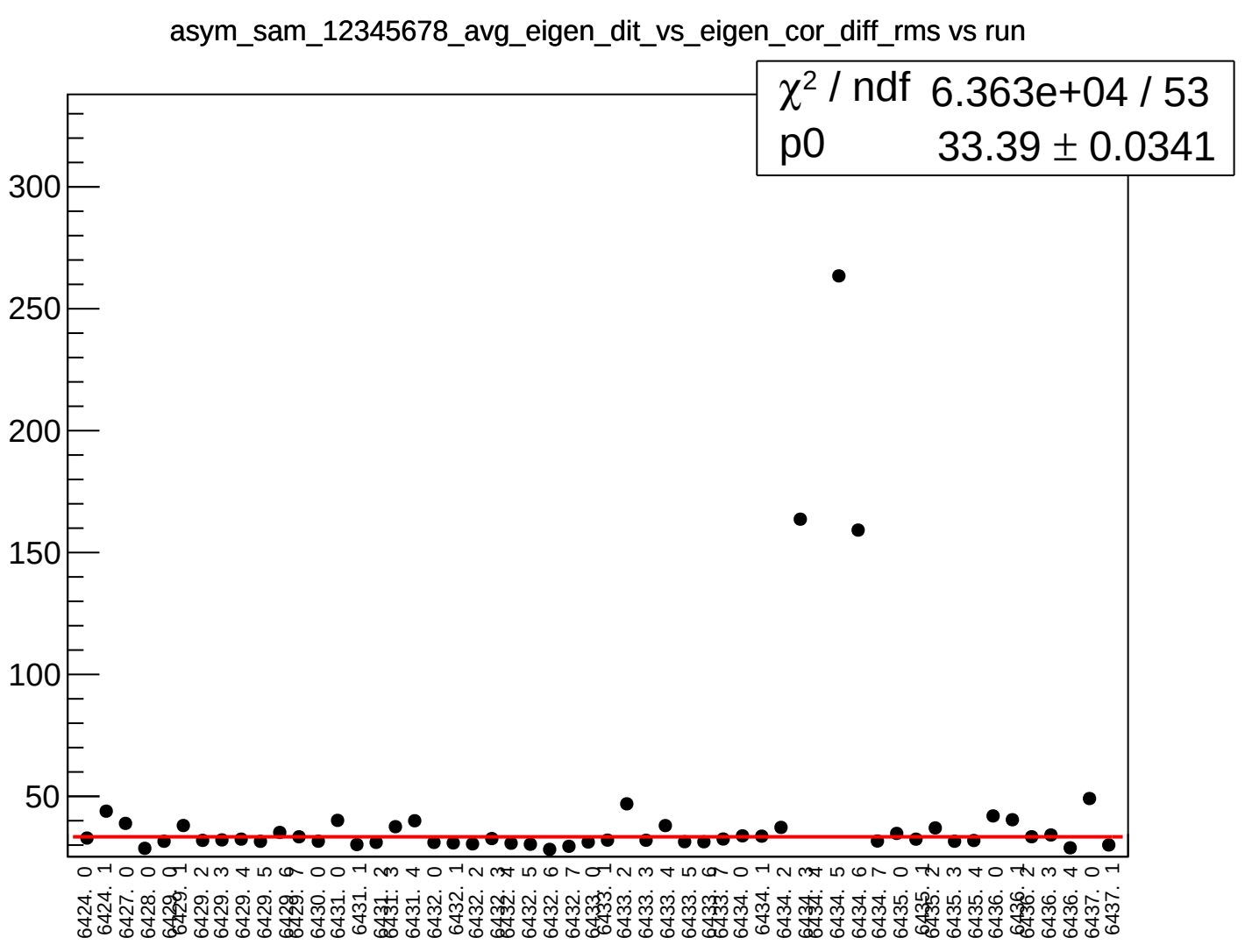

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2956 / 53
p0 0.002373 ± 2.35e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

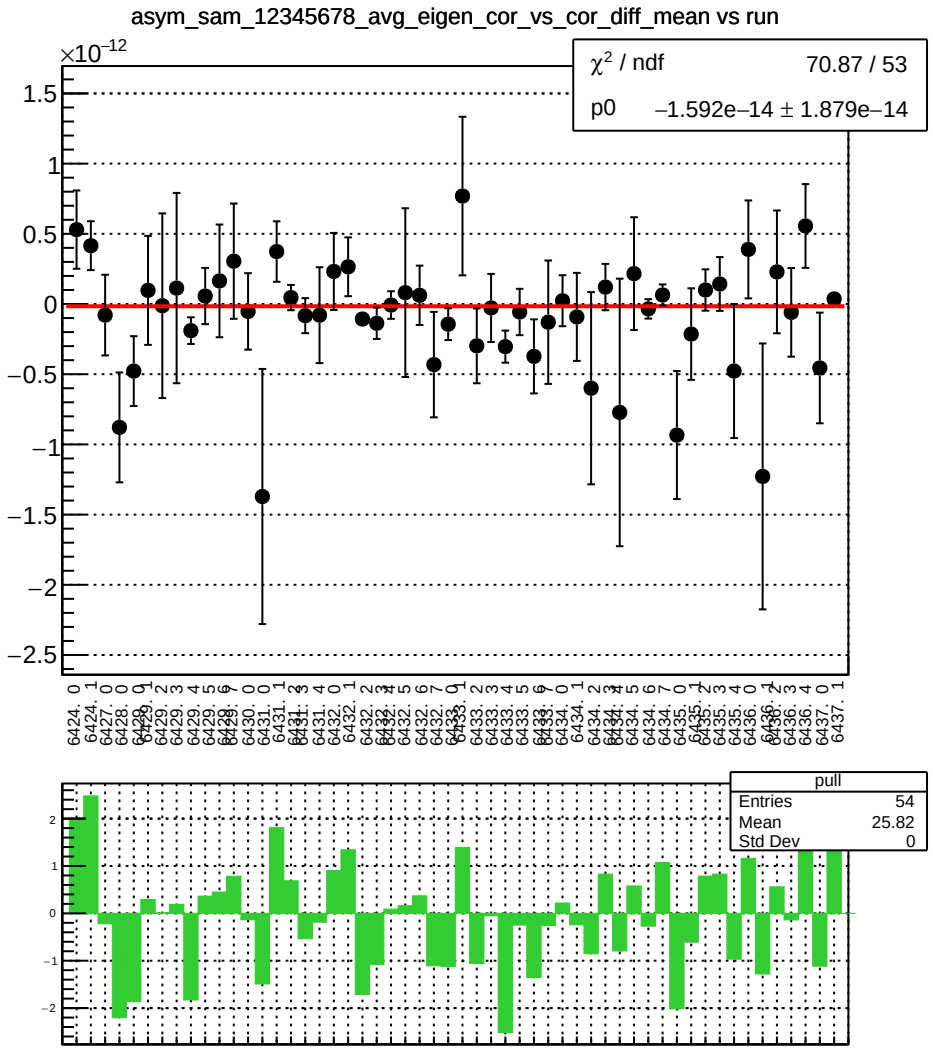

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.89 / 53
p0 0.0474 ± 0.04822
pull
Entries 54
Mean −17.28
Std Dev 0
pull1D
Entries 54
Mean −0.09507
Std Dev 1.322

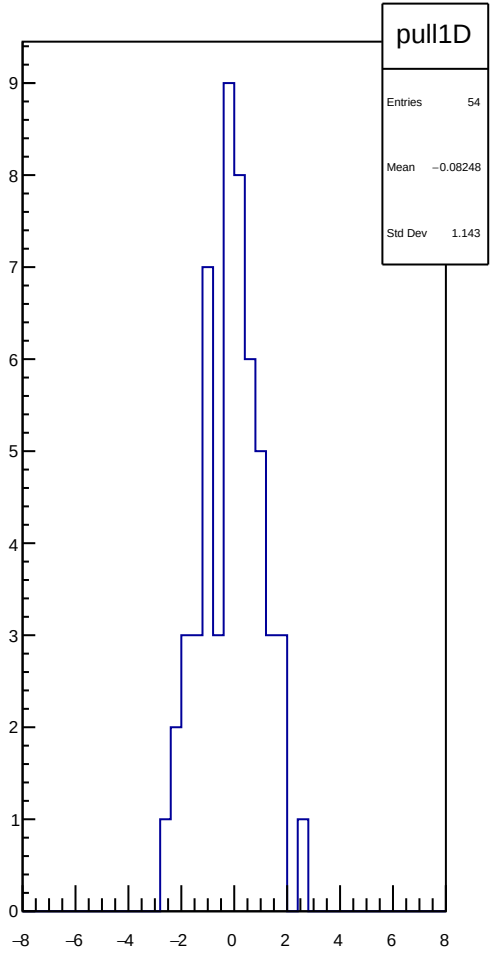

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.363e+04 / 53
p0 33.39 ± 0.0341
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

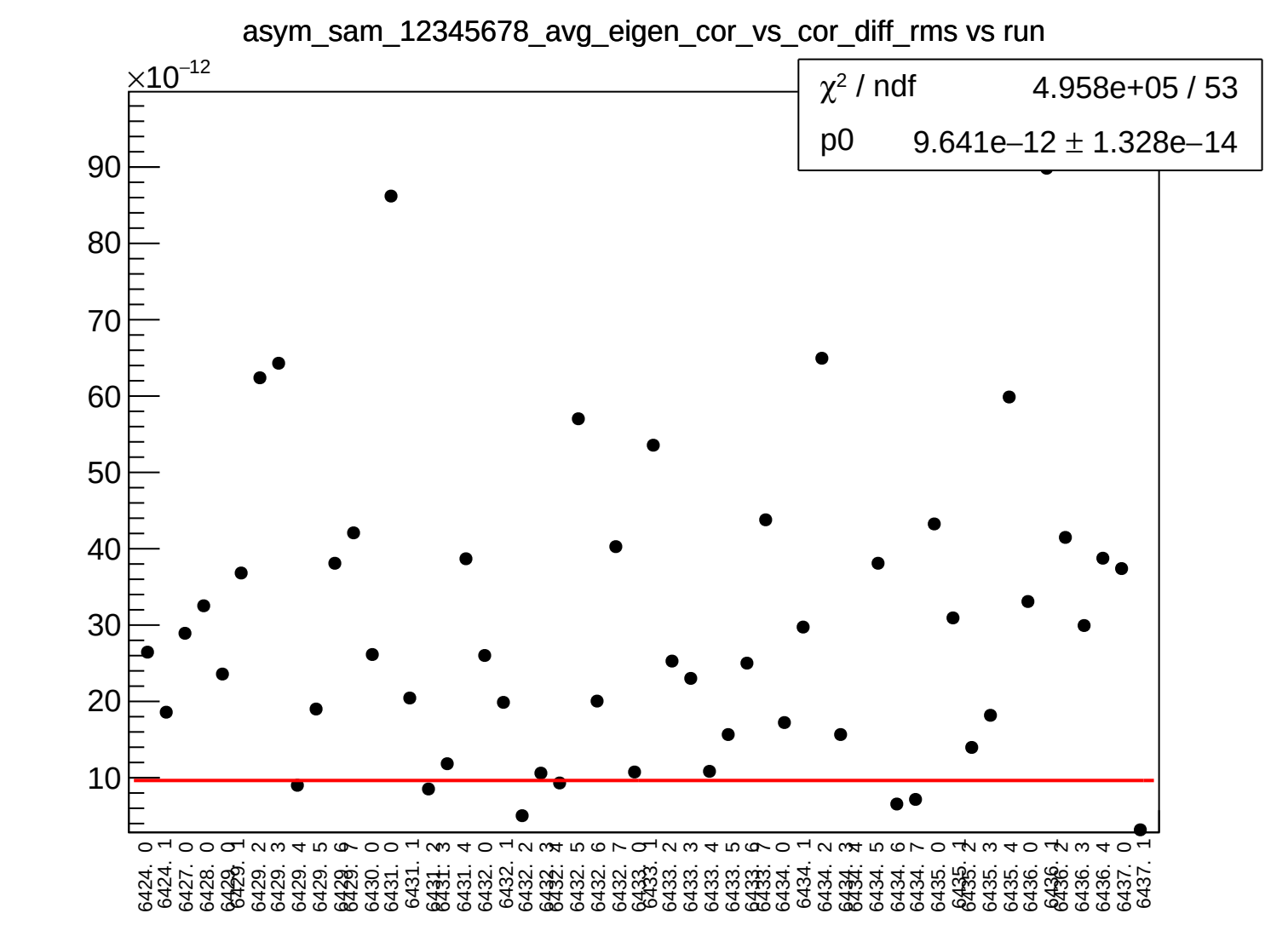

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.89 / 53
p0 0.0474 ± 0.04822
pull
Entries 54
Mean −17.28
Std Dev 0


pull1D
Entries 54
Mean −0.09507
Std Dev 1.322


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.363e+04 / 53
p0 33.39 ± 0.0341
300
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
6433. 3
6433. 4
6433. 5
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 2
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.87 / 53
p0 −1.592e−14 ± 1.879e−14
pull
Entries 54
Mean 25.82
Std Dev 0


pull1D
Entries 54
Mean −0.08248
Std Dev 1.143


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.958e+05 / 53
p0 9.641e−12 ± 1.328e−14
90
80
70
60
50
40
30
20
10
6424. 0
6424. 1
6427. 0
6428. 0
6429. 2
6429. 3
6429. 4
6429. 5
6430. 0
6431. 0
6431. 1
6431. 4
6432. 0
6432. 1
6432. 2
6432. 5
6432. 6
6432. 7
6433. 2
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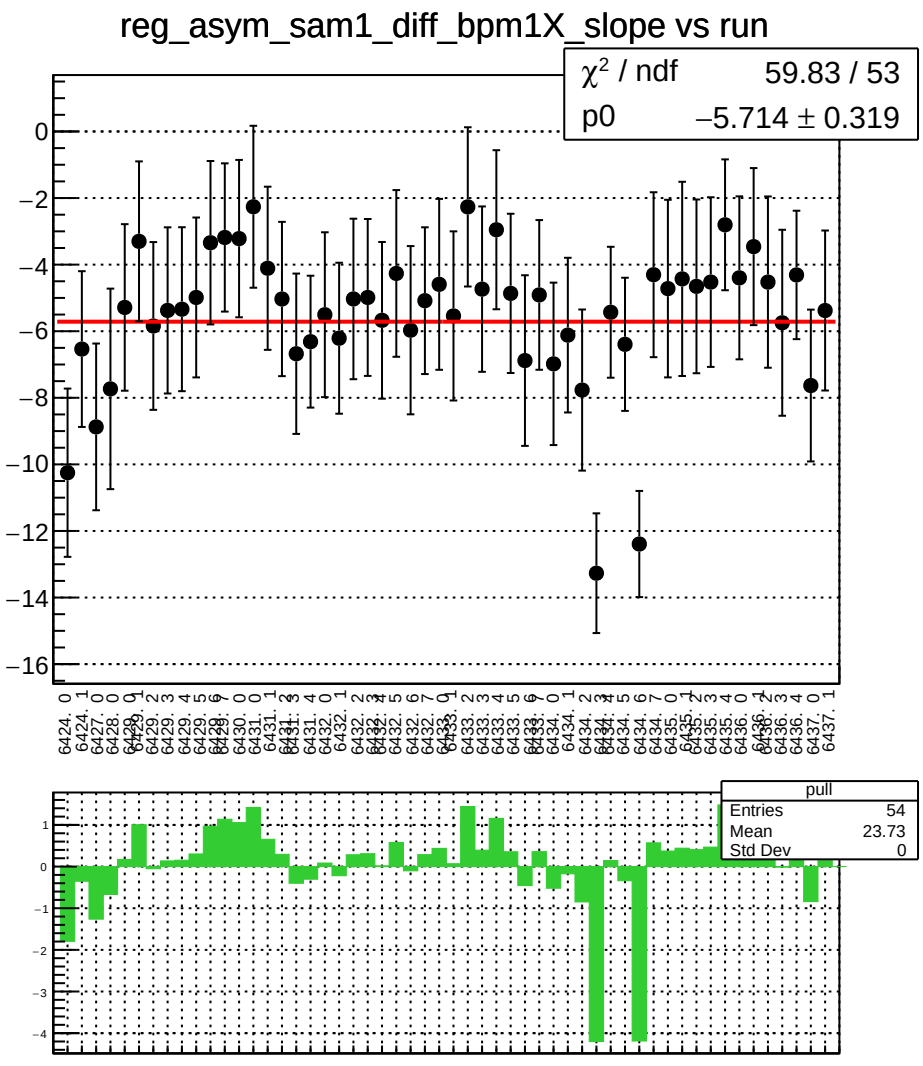
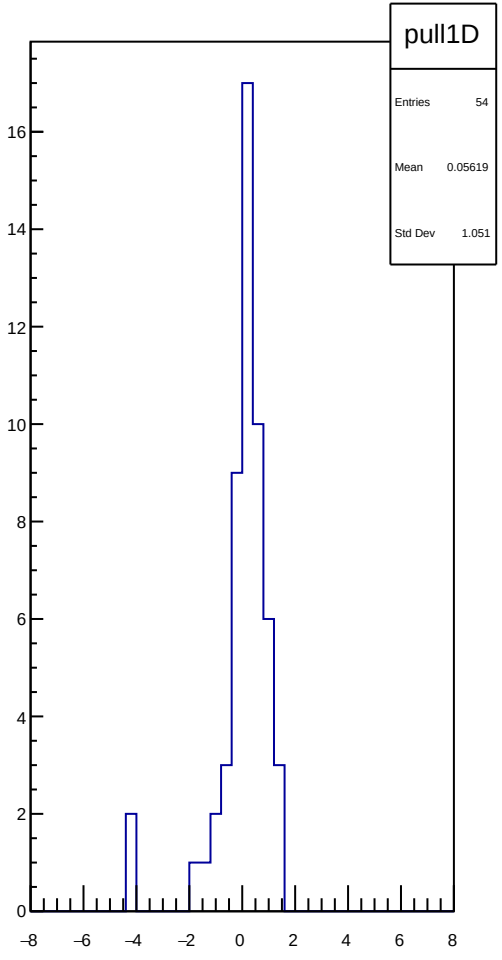
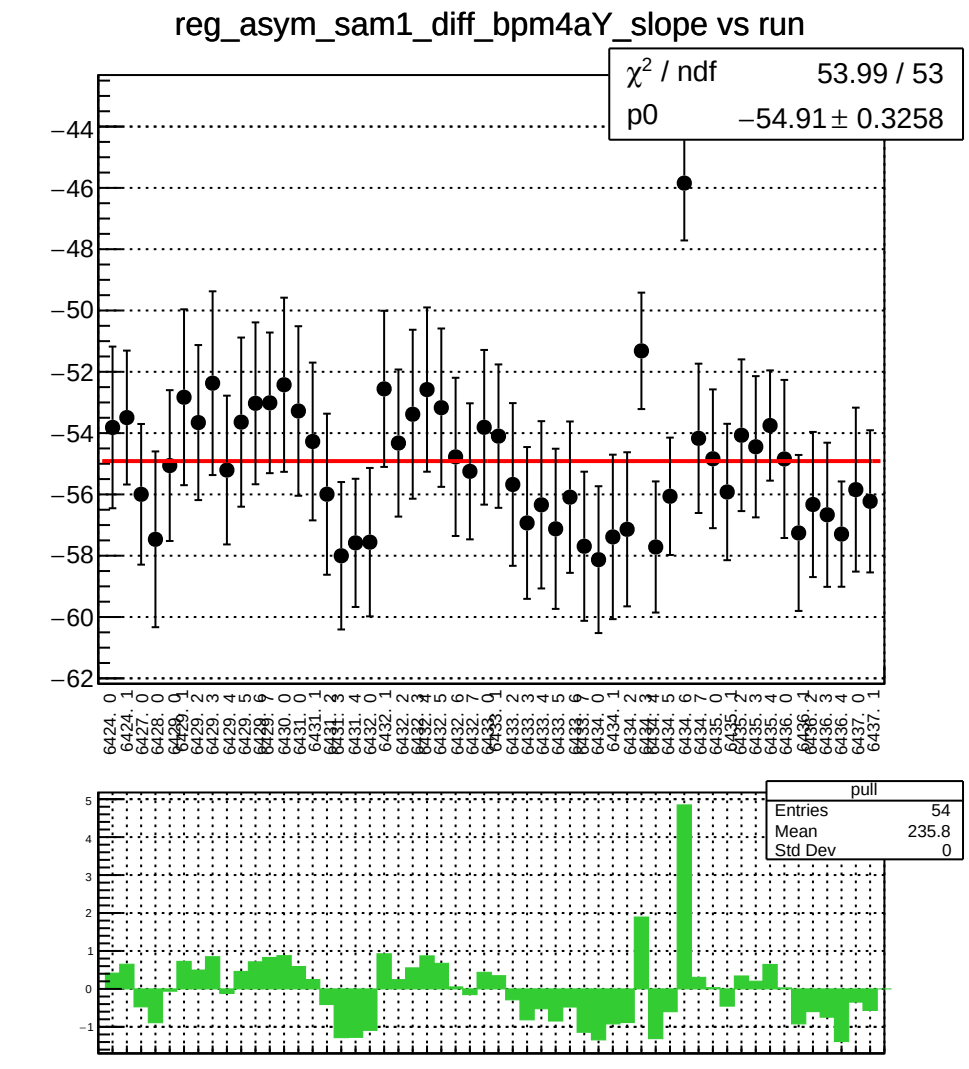
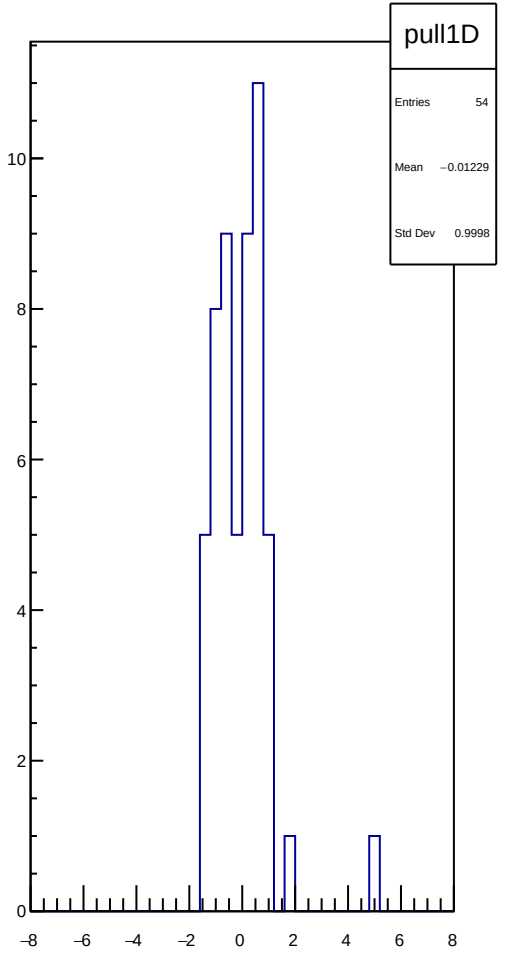
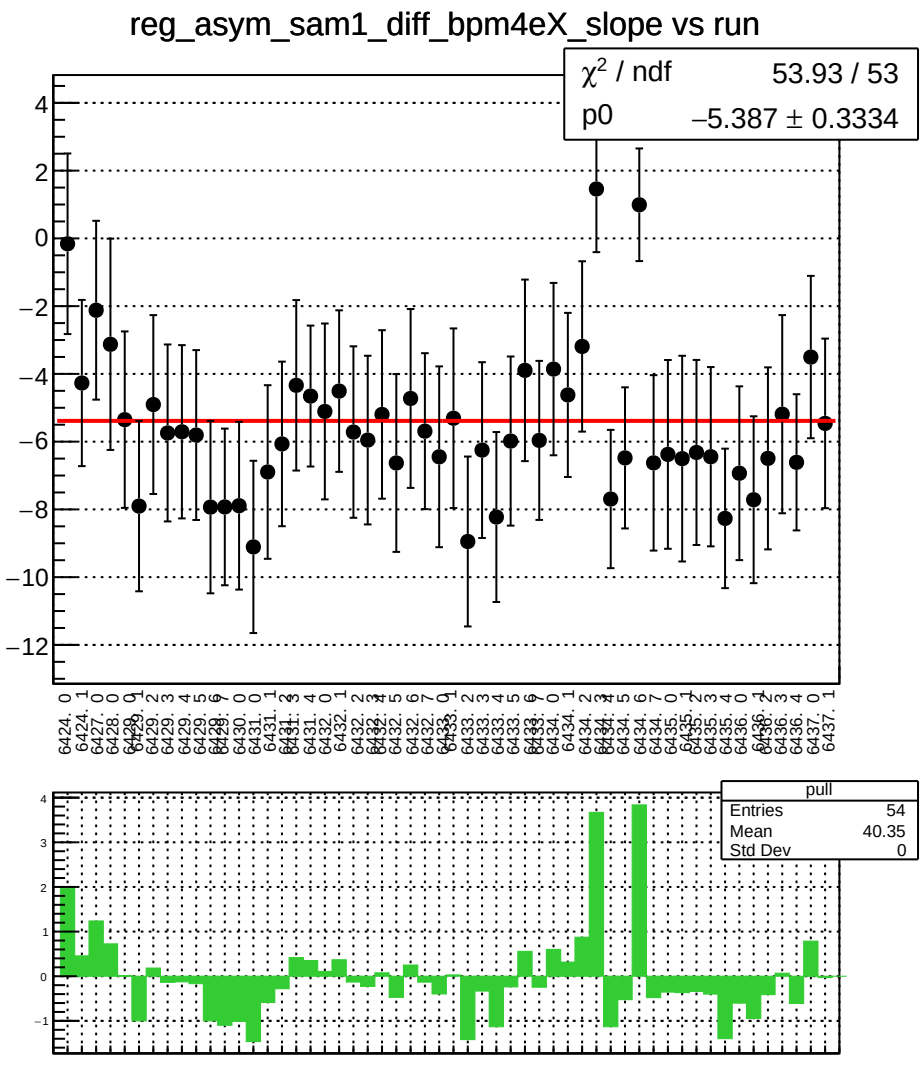
6434. 0
6434. 1
6434. 2
6434. 5
6434. 6
6434. 7
6435. 0
6435. 3
6435. 4
6436. 0
6436. 3
6436. 4
6437. 0
6437. 1

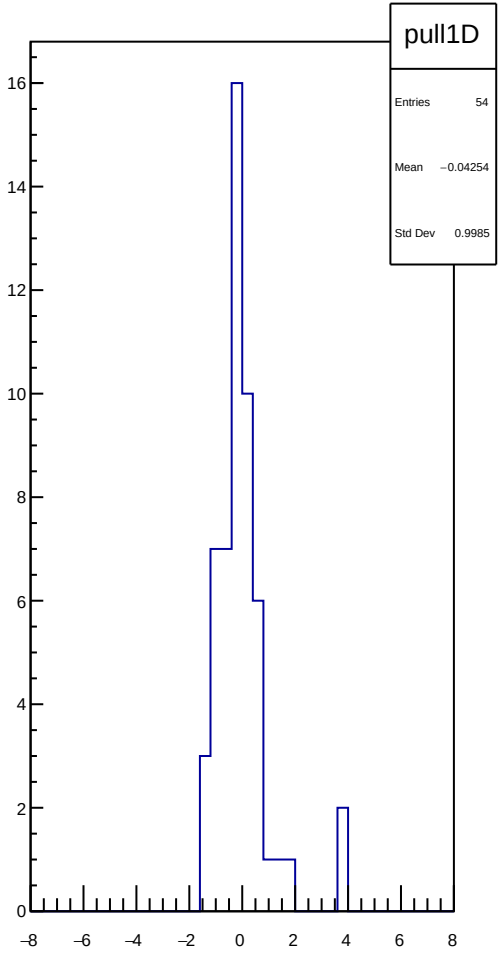

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 59.83 / 53
p0 −5.714 ± 0.319
pull
Entries 54
Mean 23.73
Std Dev 0

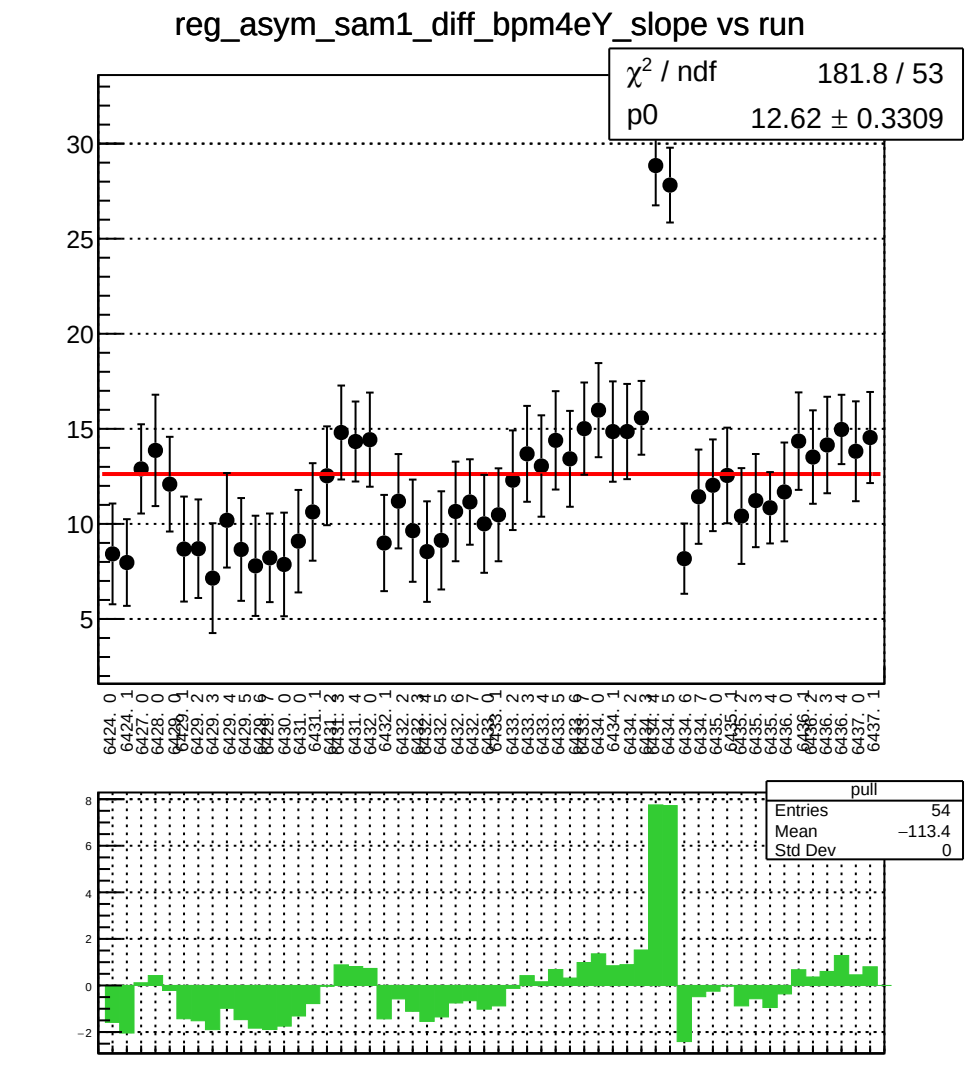

pull1D
Entries 54
Mean 0.05619
Std Dev 1.051

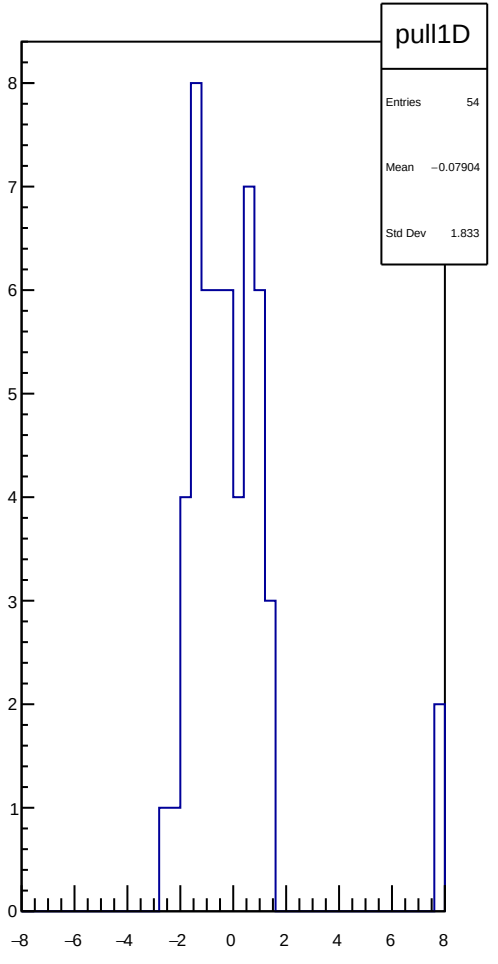

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 53.99 / 53
p0 −54.91 ± 0.3258
pull
Entries 54
Mean 235.8
Std Dev 0

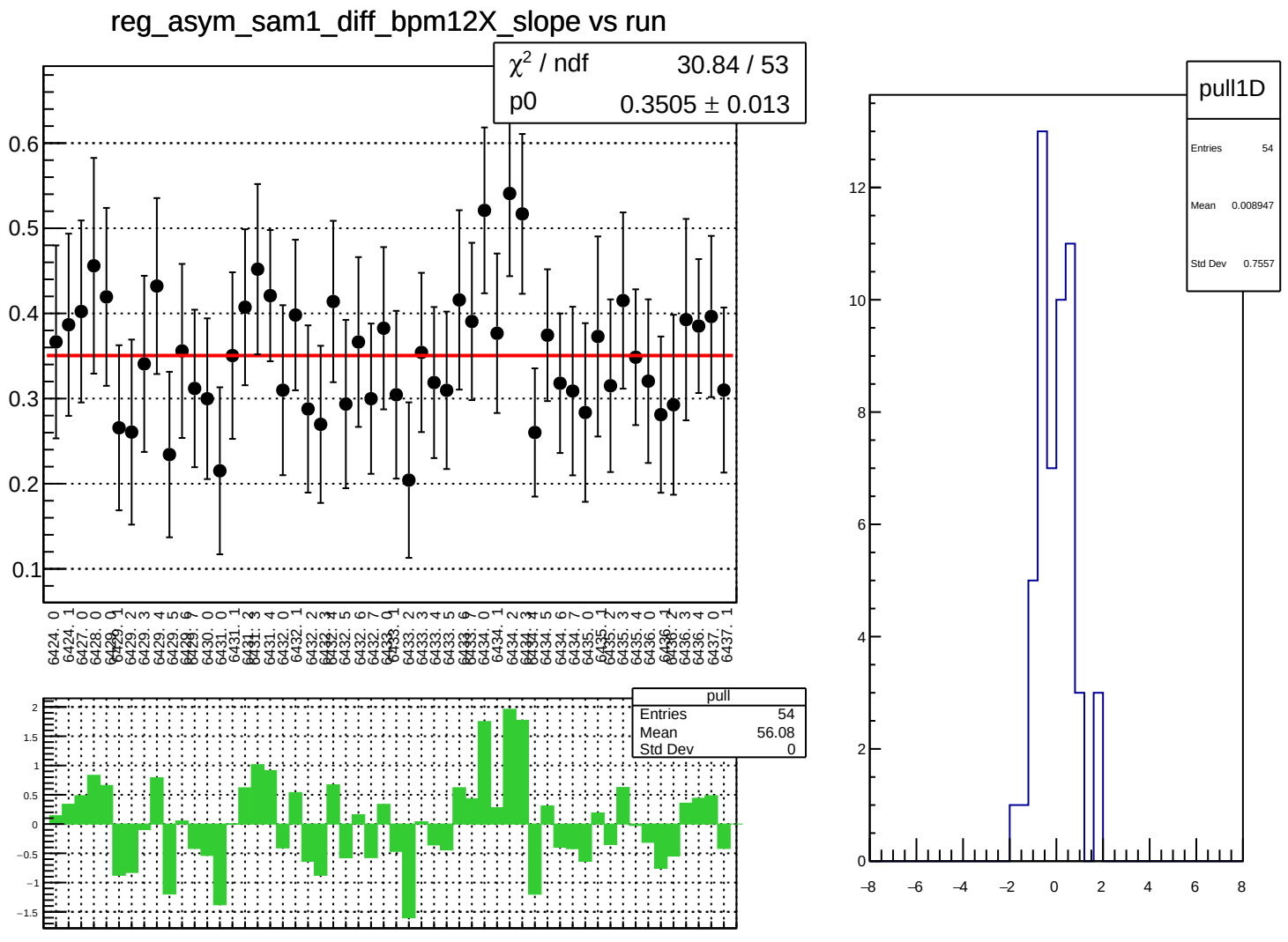

pull1D
Entries 54
Mean −0.01229
Std Dev 0.9998

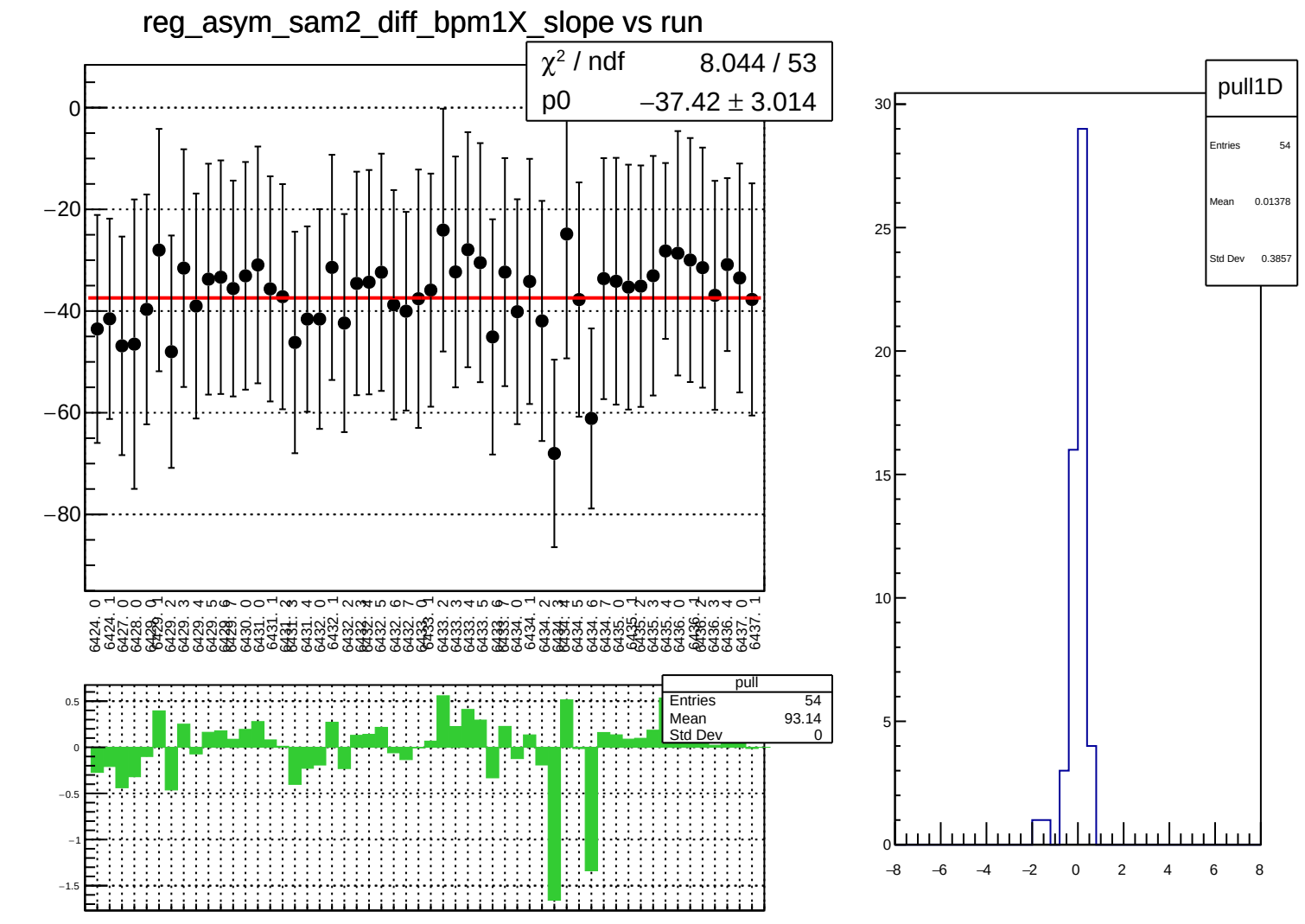

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 53.93 / 53
p0 −5.387 ± 0.3334
pull
Entries 54
Mean 40.35
Std Dev 0

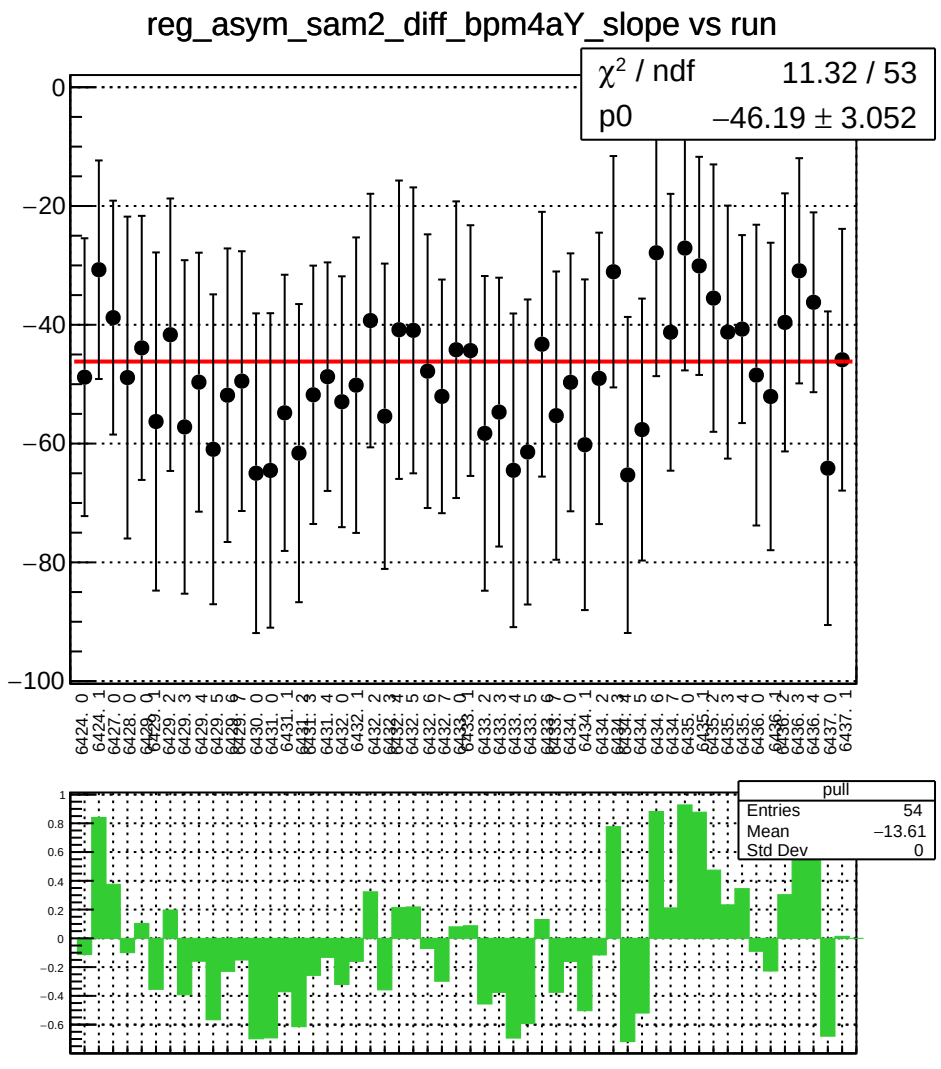

pull1D
Entries 54
Mean −0.04254
Std Dev 0.9985

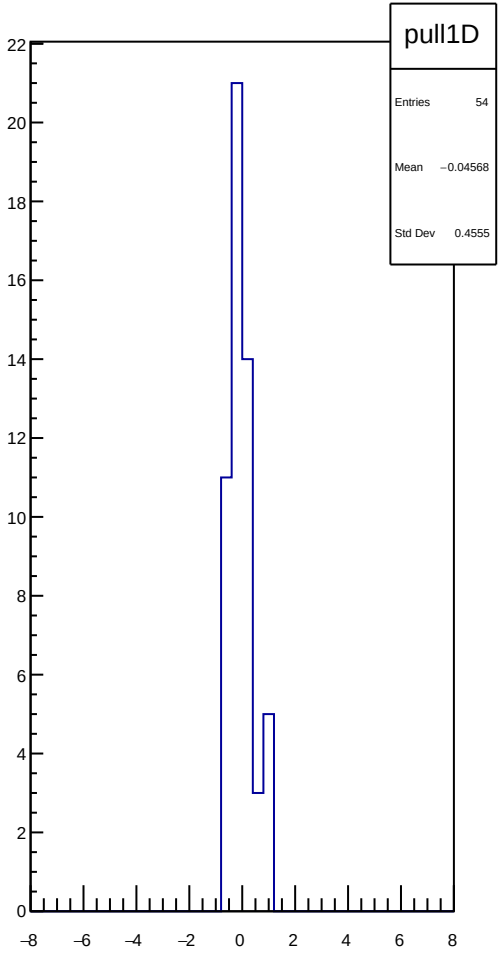

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 181.8 / 53
p0 12.62 ± 0.3309
pull
Entries 54
Mean −113.4
Std Dev 0

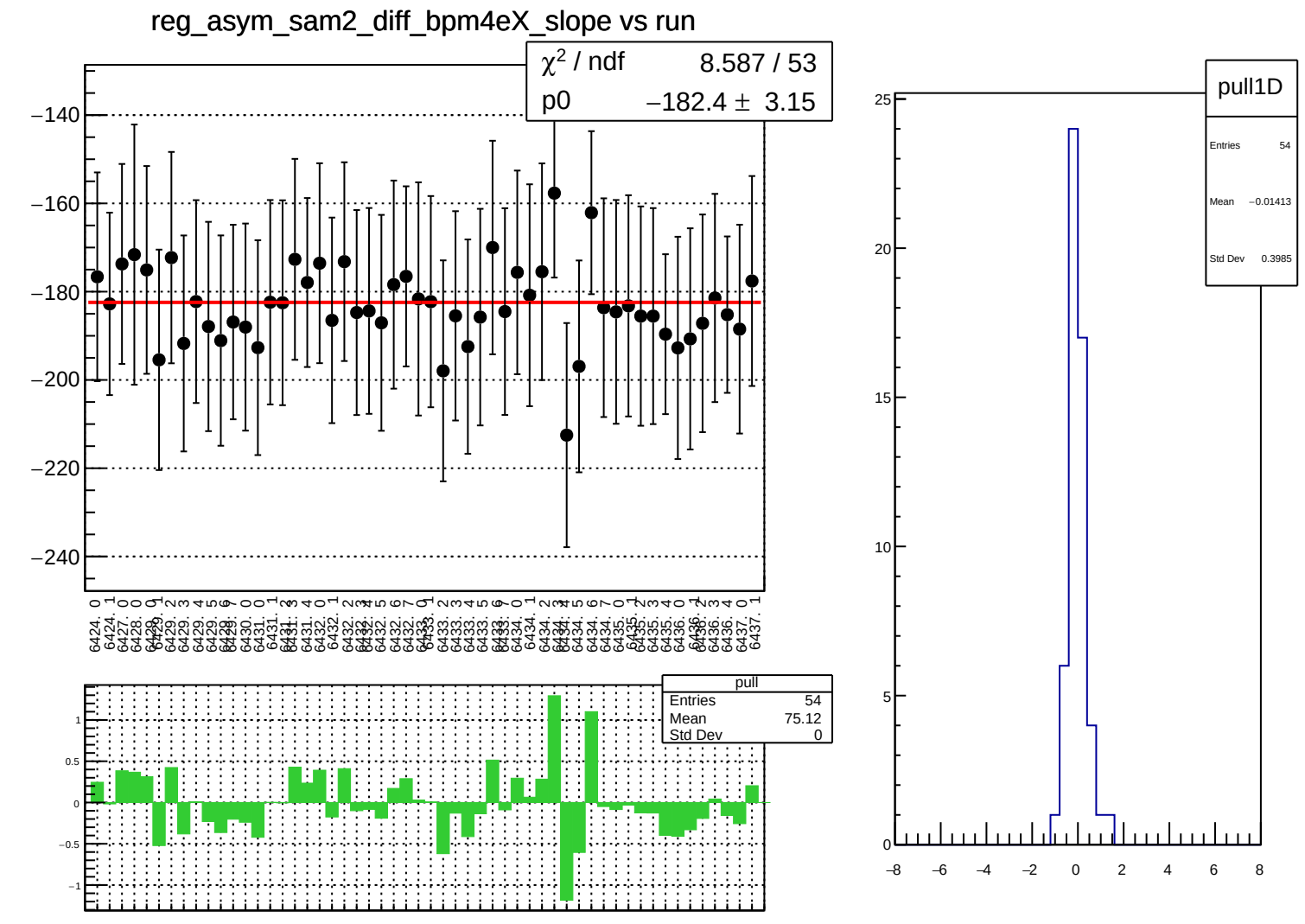

pull1D
Entries 54
Mean −0.07904
Std Dev 1.833

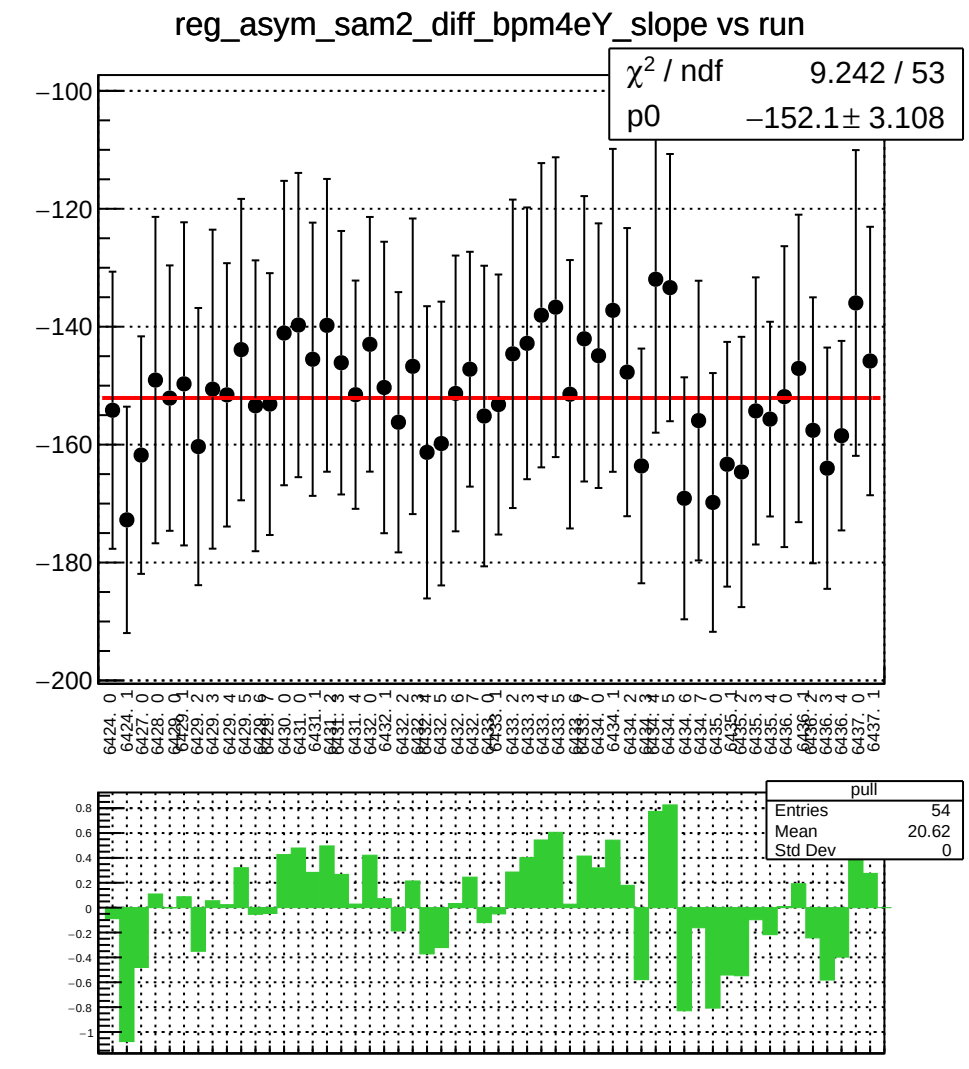

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 30.84 / 53
p0 0.3505 ± 0.013
pull
Entries 54
Mean 56.08
Std Dev 0
pull1D
Entries 54
Mean 0.008947
Std Dev 0.7557

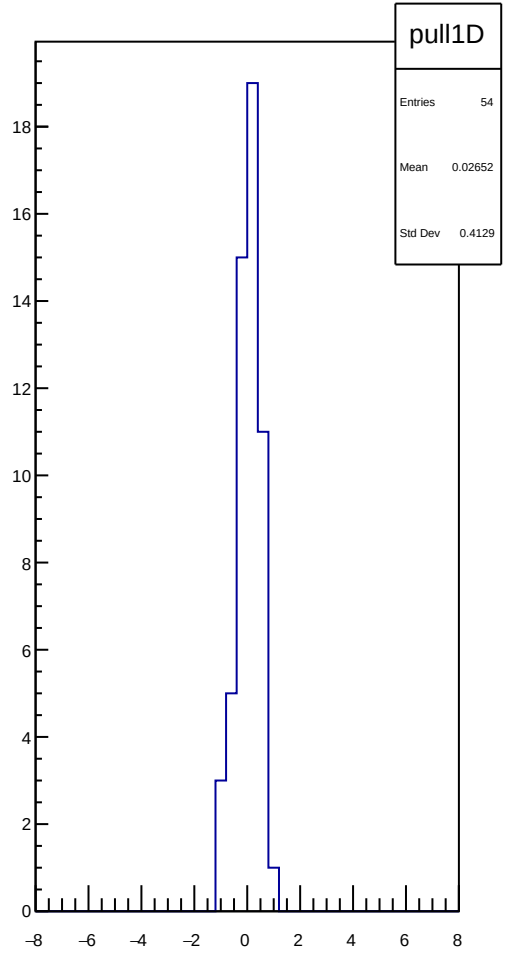

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.044 / 53
p0 −37.42 ± 3.014
pull
Entries 54
Mean 93.14
Std Dev 0
pull1D
Entries 54
Mean 0.01378
Std Dev 0.3857

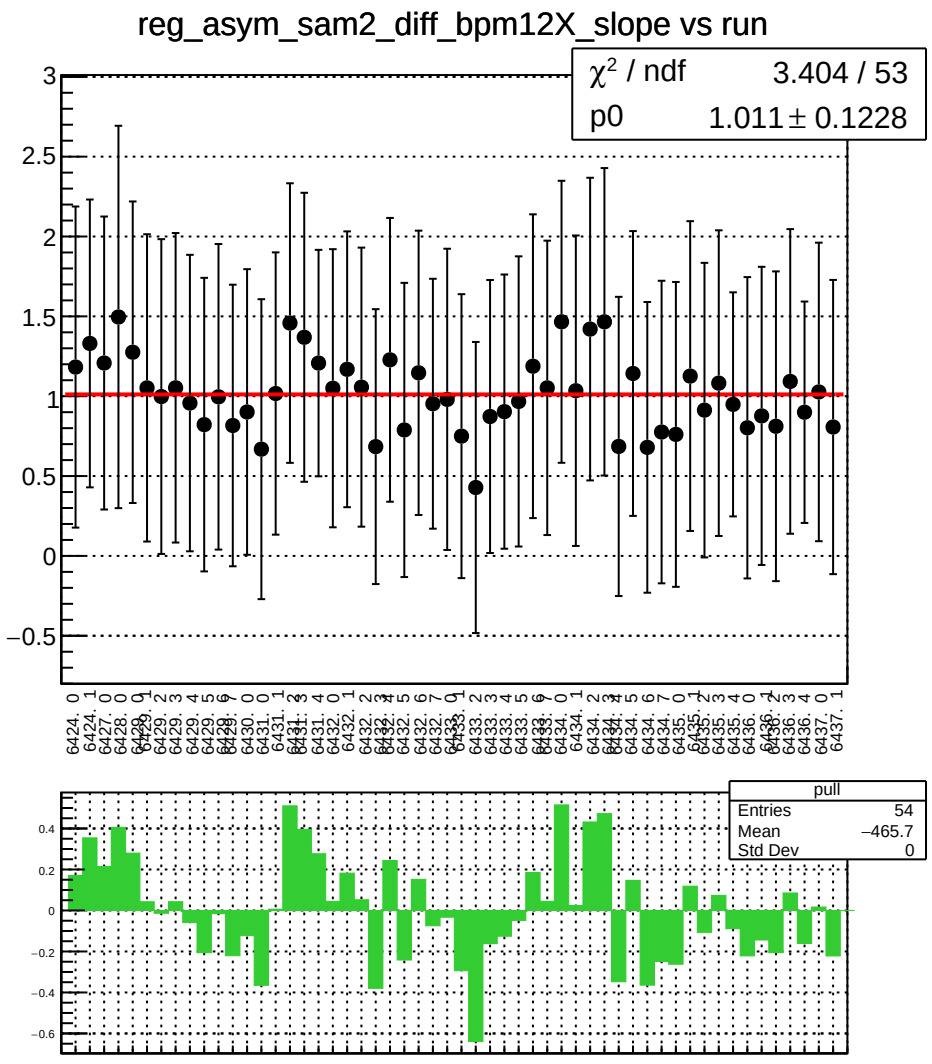

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 11.32 / 53
p0 −46.19 ± 3.052
pull
Entries 54
Mean −13.61
Std Dev 0

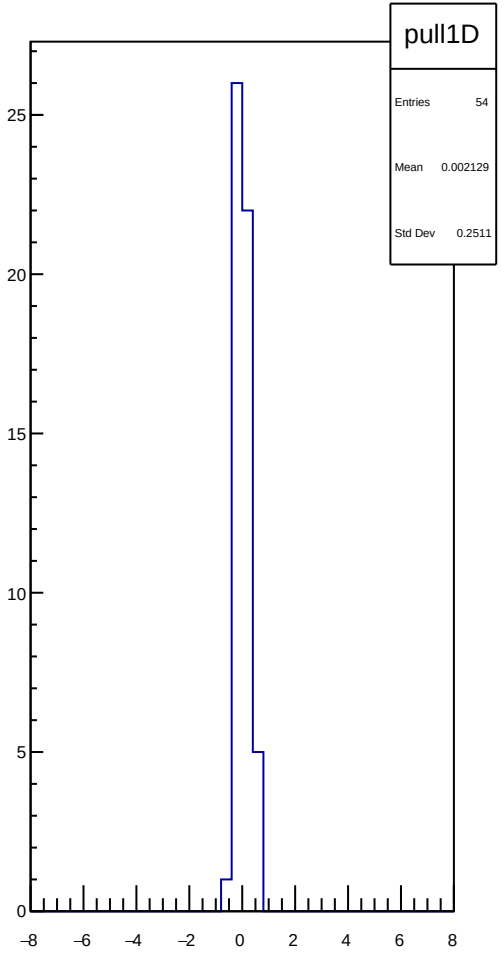

pull1D
Entries 54
Mean −0.04568
Std Dev 0.4555

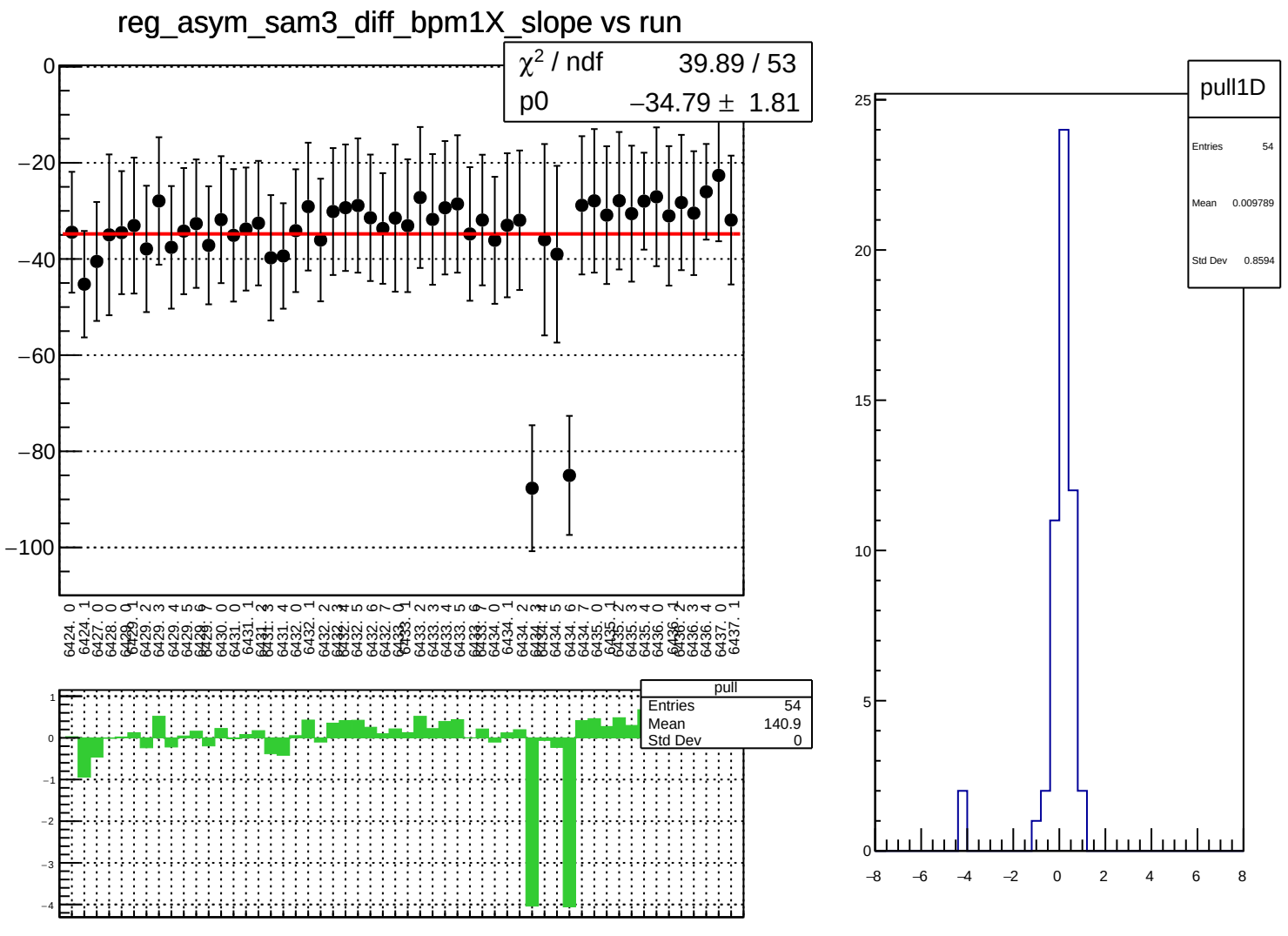

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 8.587 / 53
p0 −182.4 ± 3.15
−140
−160
−180
−200
−220
−240
pull
Entries 54
Mean 75.12
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.01413
Std Dev 0.3985
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

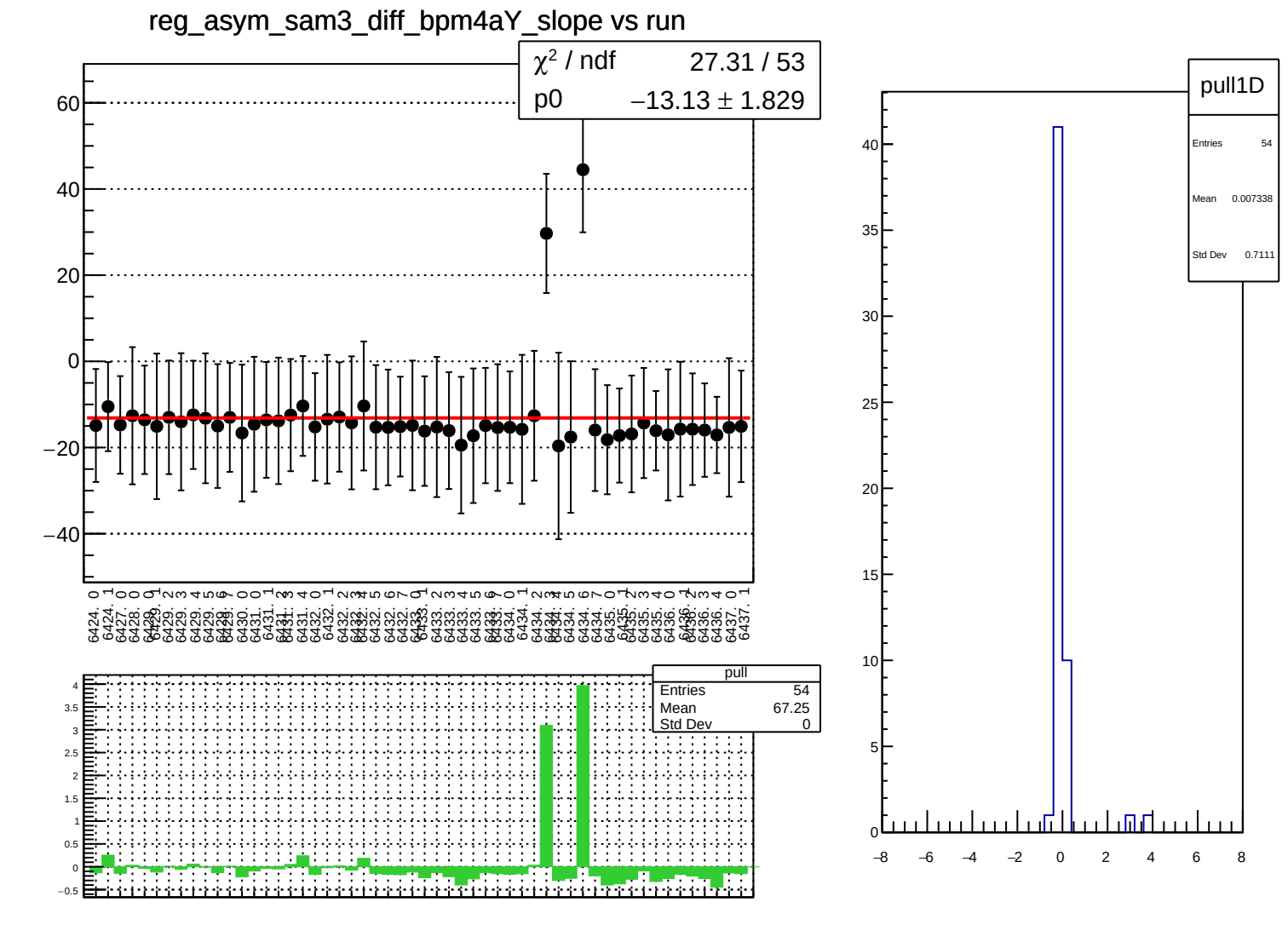

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 9.242 / 53
p0 −152.1± 3.108
pull
Entries 54
Mean 20.62
Std Dev 0

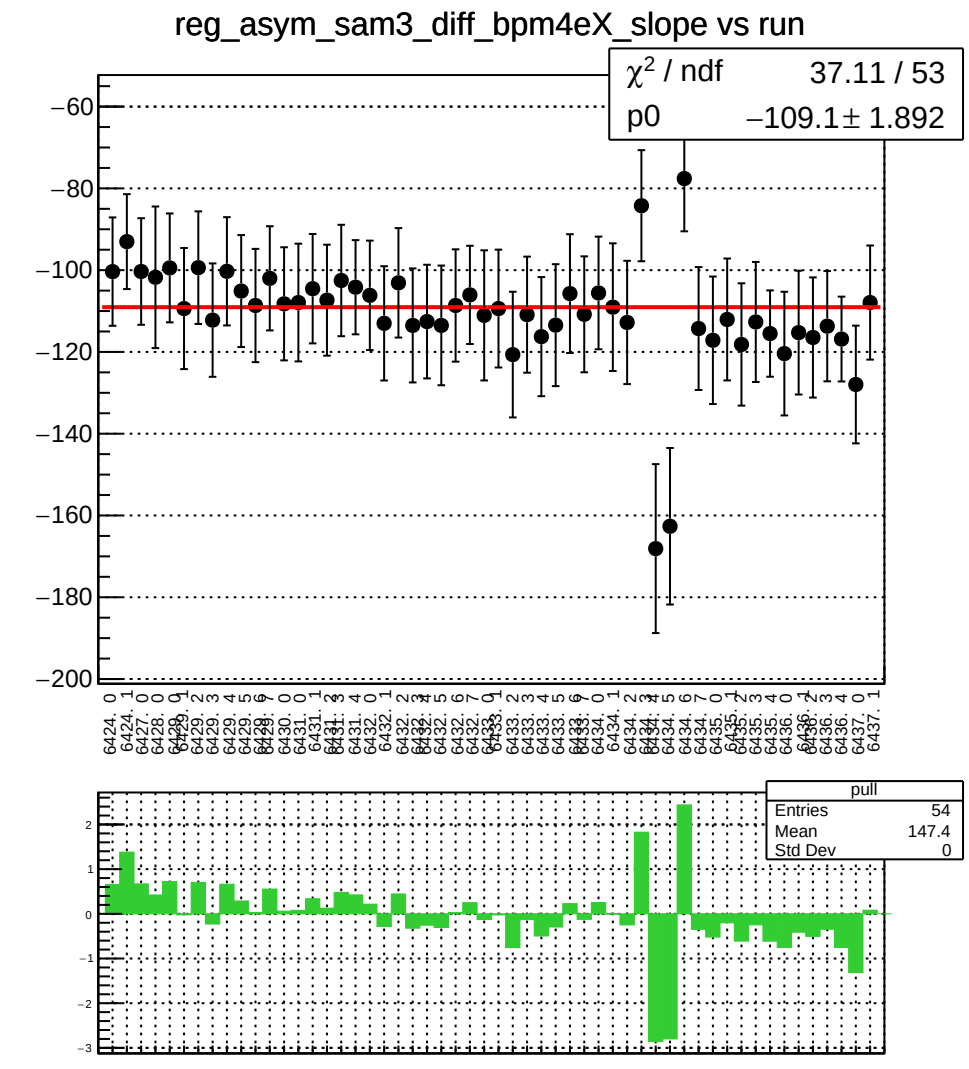

pull1D
Entries 54
Mean 0.02652
Std Dev 0.4129

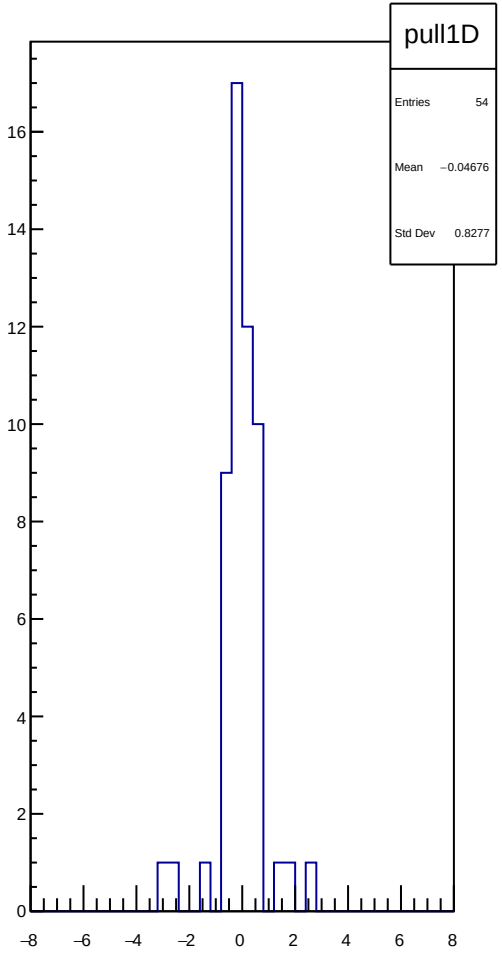

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 3.404 / 53
p0 1.011 ± 0.1228
pull
Entries 54
Mean −465.7
Std Dev 0

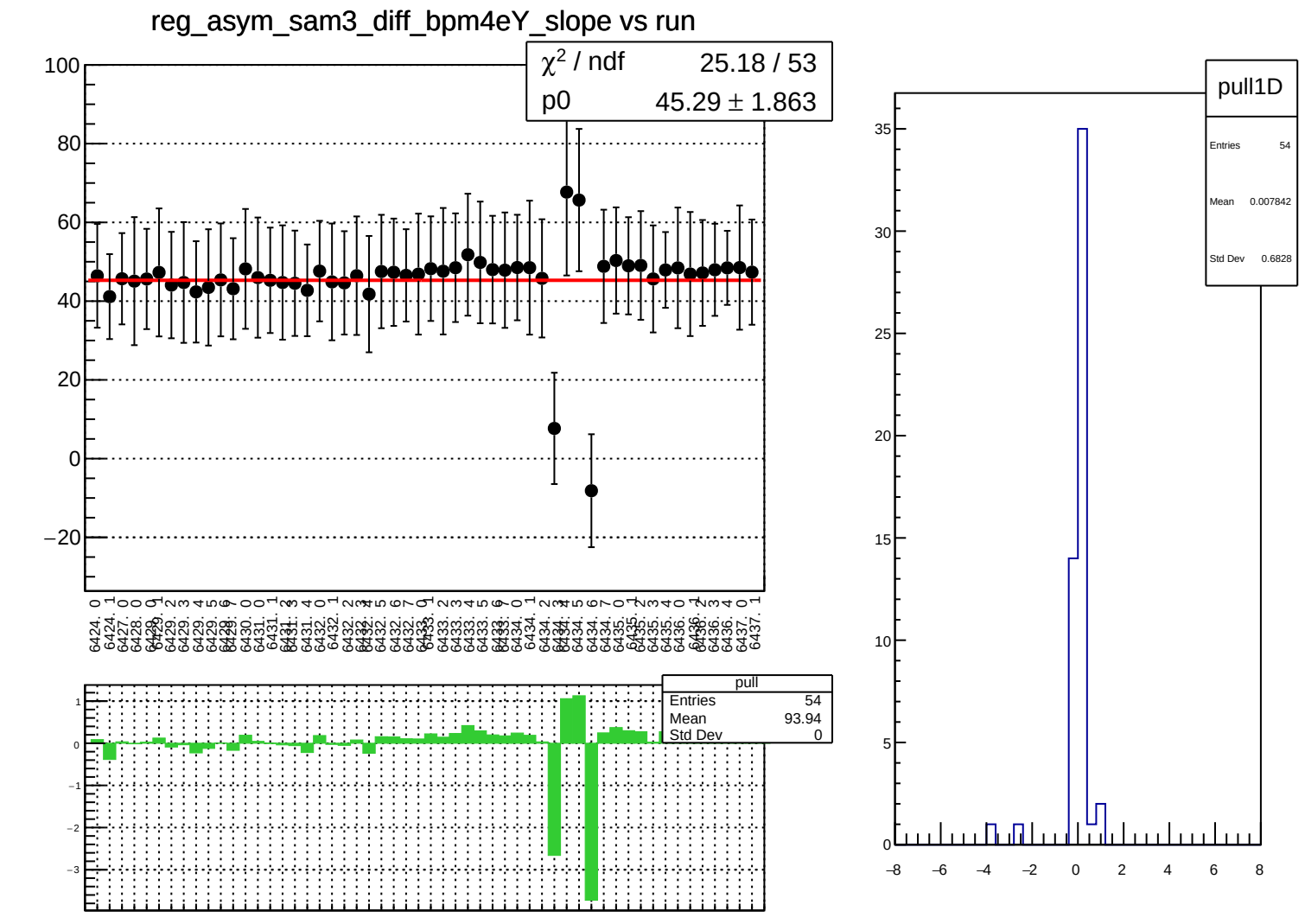

pull1D
Entries 54
Mean 0.002129
Std Dev 0.2511

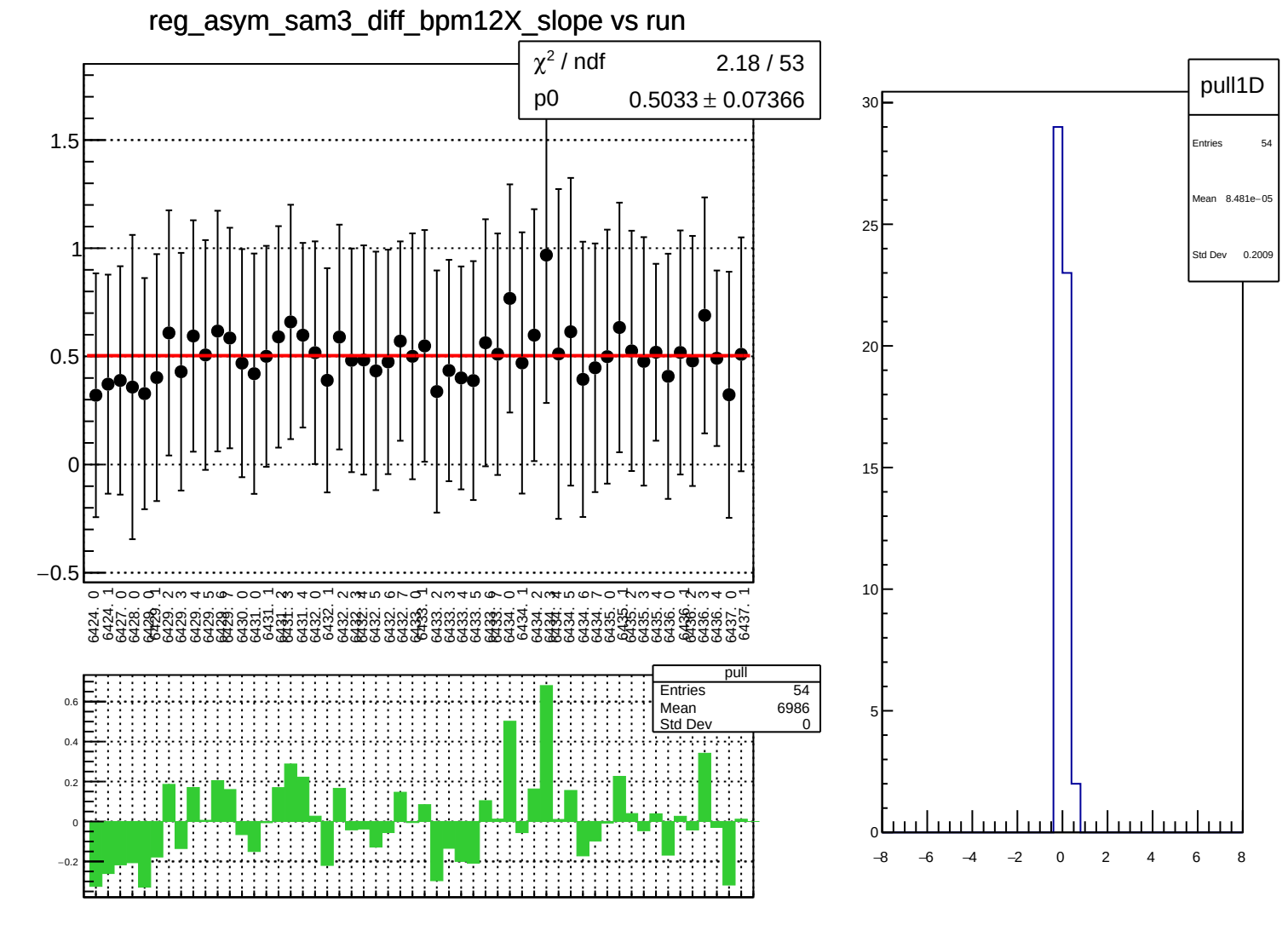

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 39.89 / 53
p0 −34.79 ± 1.81
pull
Entries 54
Mean 140.9
Std Dev 0
pull1D
Entries 54
Mean 0.009789
Std Dev 0.8594

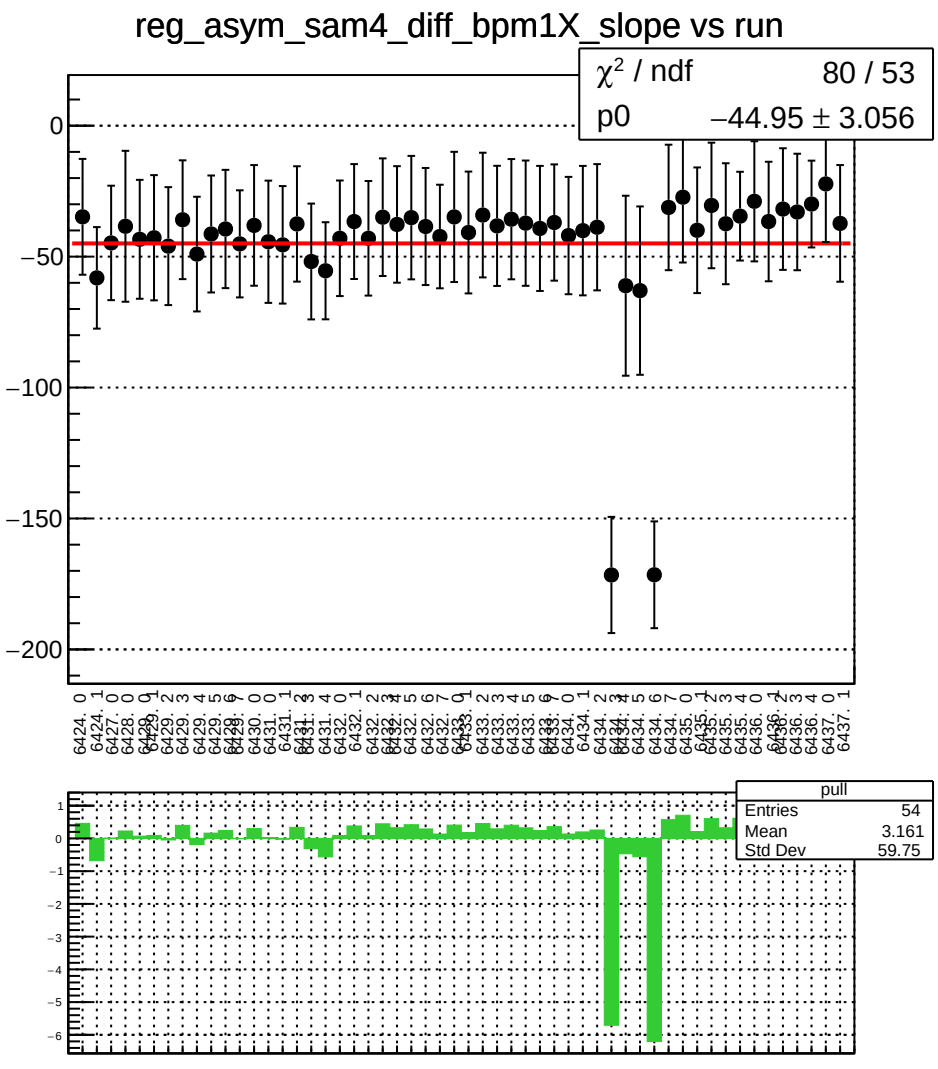

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 27.31 / 53
p0 −13.13 ± 1.829
pull
Entries 54
Mean 67.25
Std Dev 0
pull1D
Entries 54
Mean 0.007338
Std Dev 0.7111

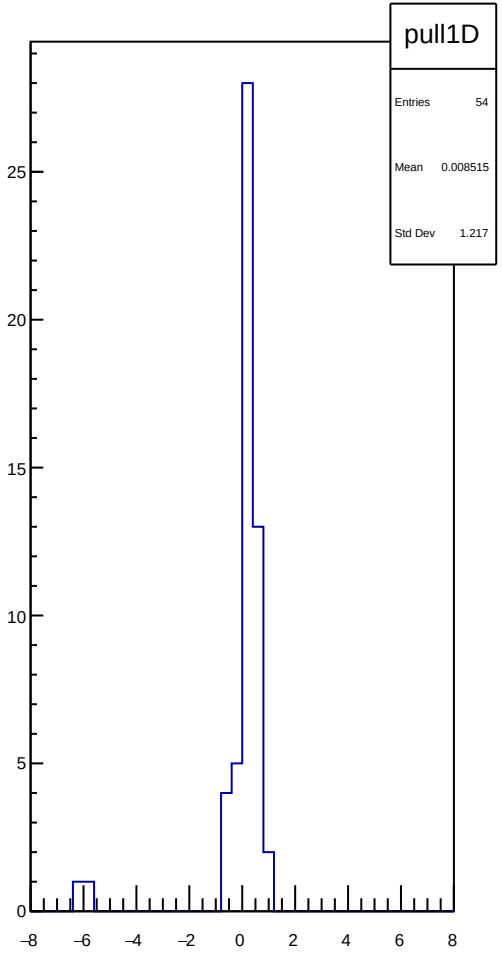

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 37.11 / 53
p0 −109.1± 1.892
pull
Entries 54
Mean 147.4
Std Dev 0

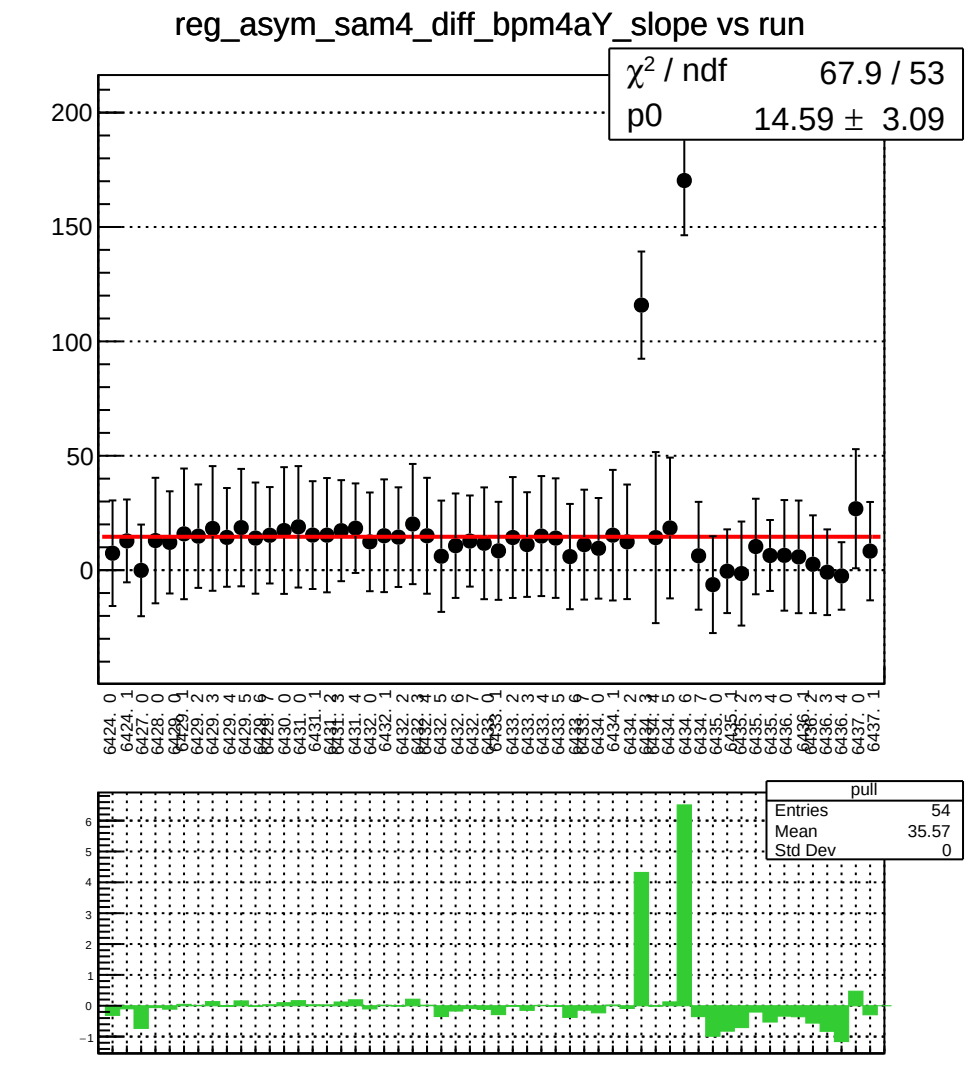

pull1D
Entries 54
Mean −0.04676
Std Dev 0.8277

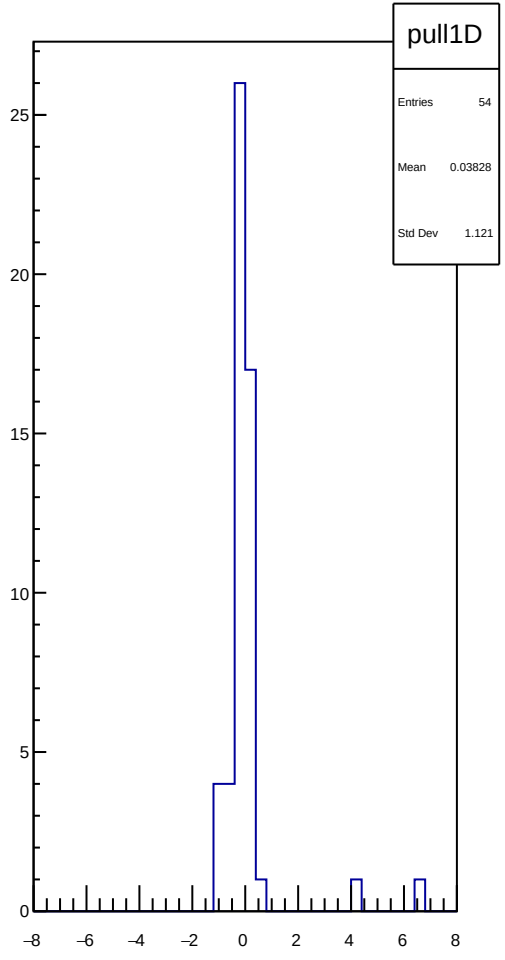

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 25.18 / 53
p0 45.29 ± 1.863
pull
Entries 54
Mean 93.94
Std Dev 0
pull1D
Entries 54
Mean 0.007842
Std Dev 0.6828

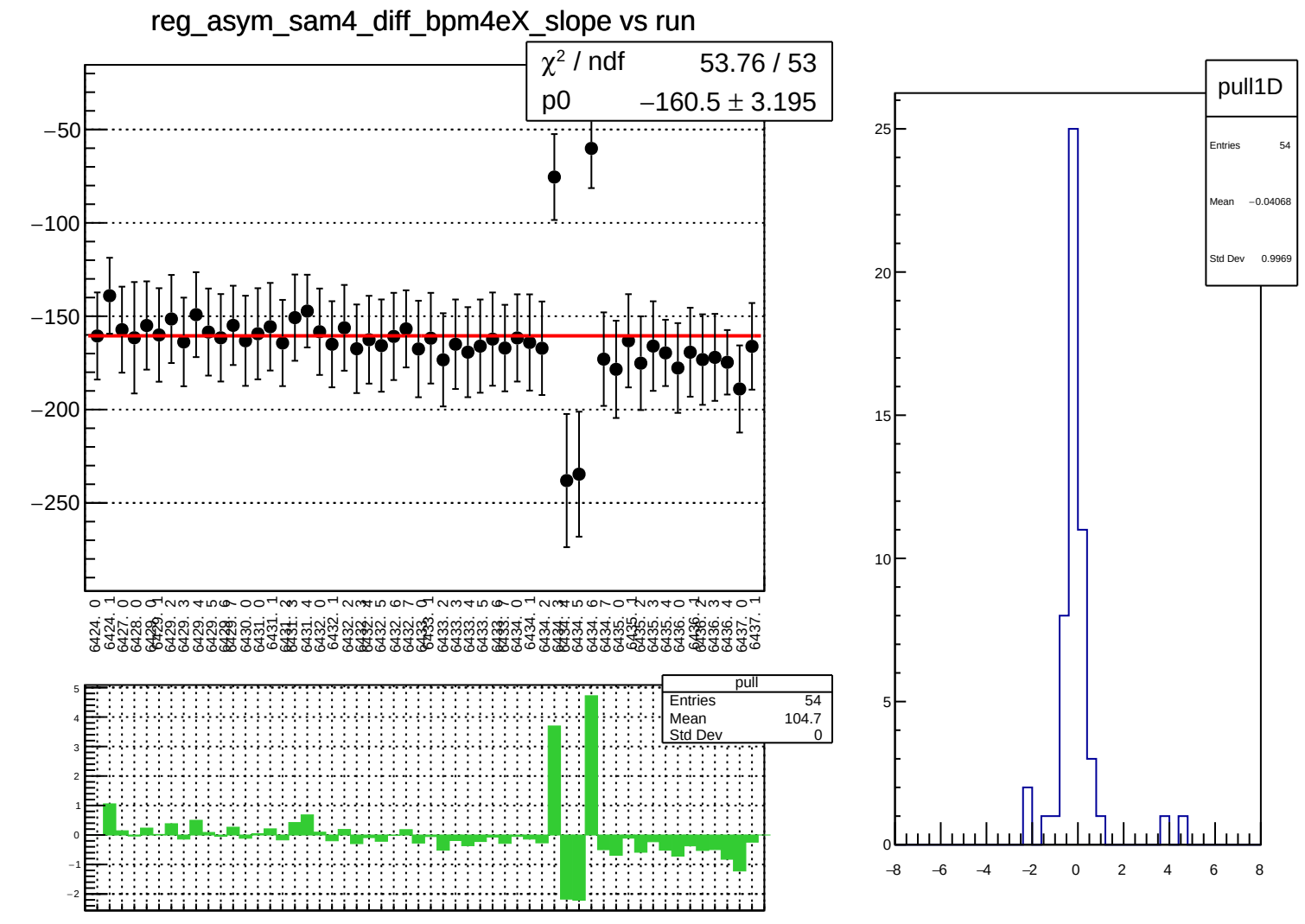

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.18 / 53
p0 0.5033 ± 0.07366
pull
Entries 54
Mean 6986
Std Dev 0
pull1D
Entries 54
Mean 8.481e−05
Std Dev 0.2009

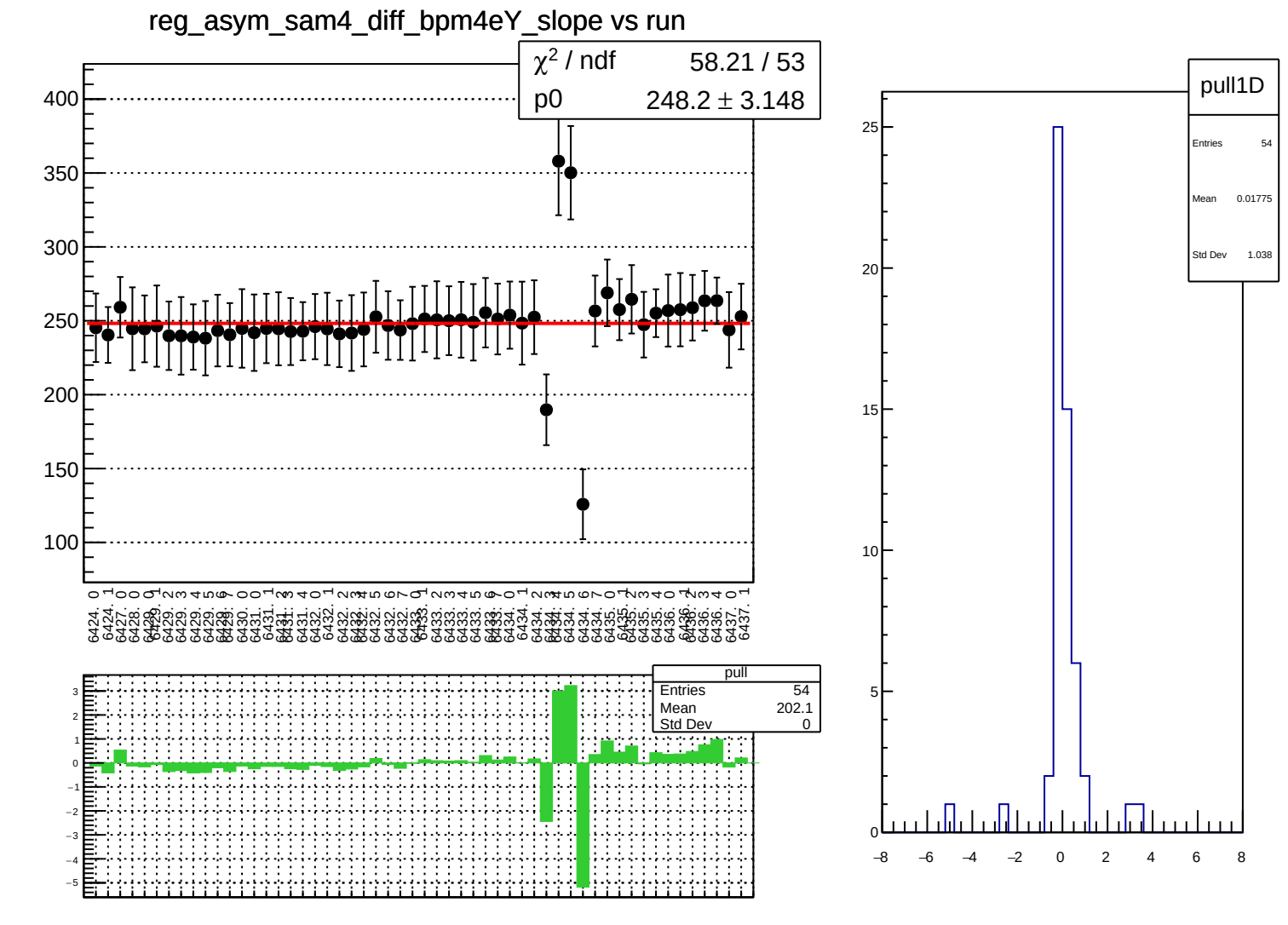

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 80 / 53
p0 −44.95 ± 3.056
pull
Entries 54
Mean 3.161
Std Dev 59.75

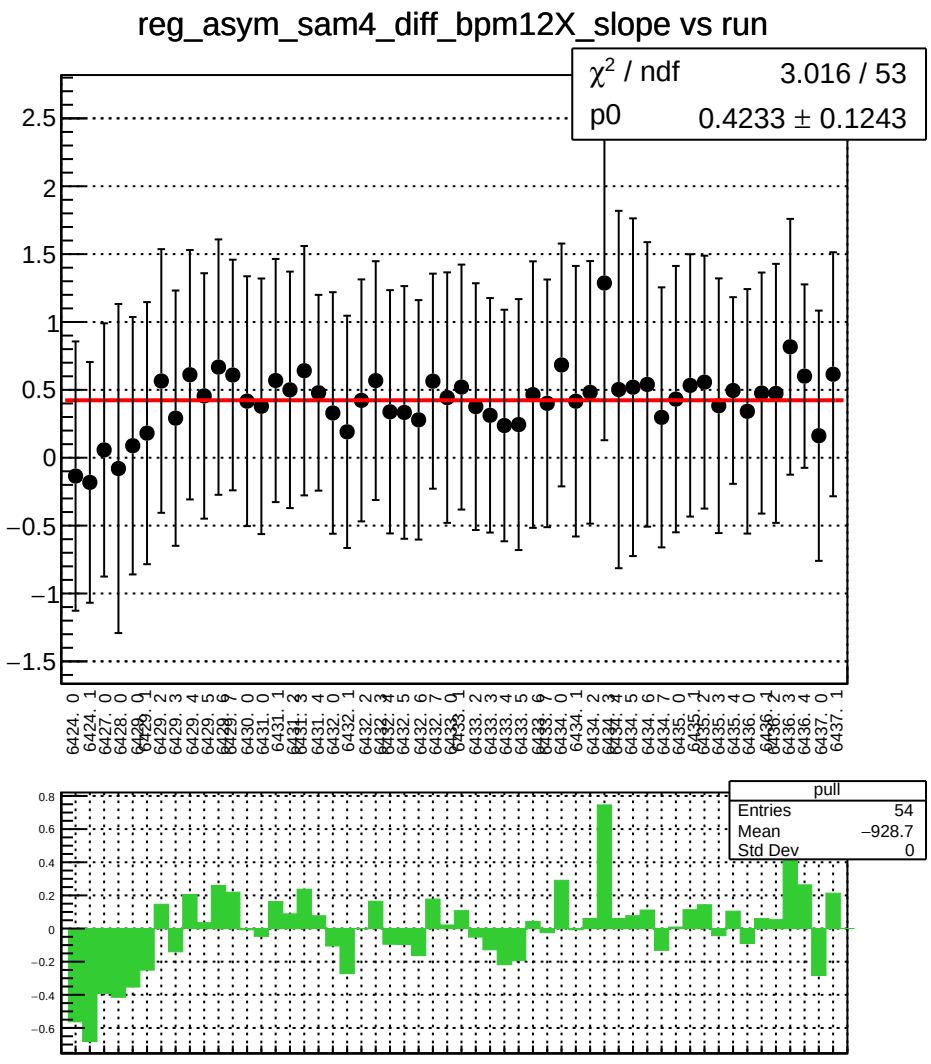

pull1D
Entries 54
Mean 0.008515
Std Dev 1.217

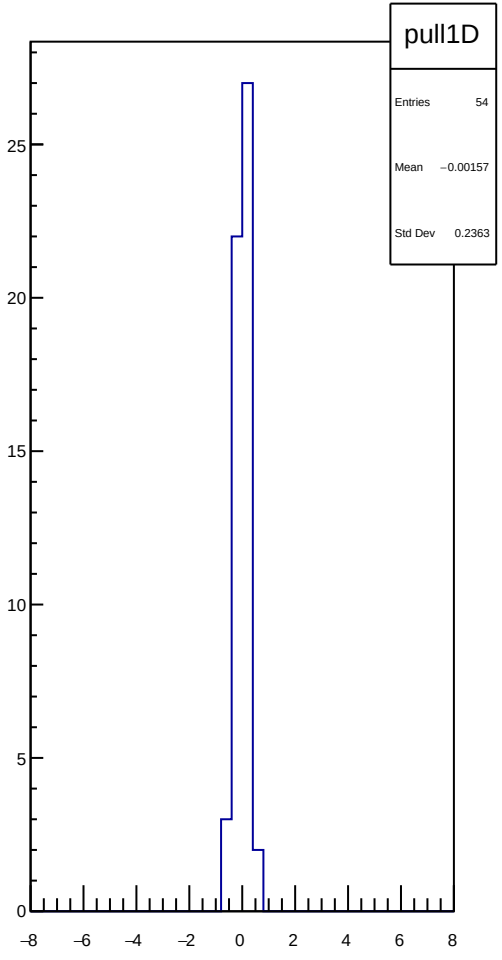

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 67.9 / 53
p0 14.59 ± 3.09
pull
Entries 54
Mean 35.57
Std Dev 0

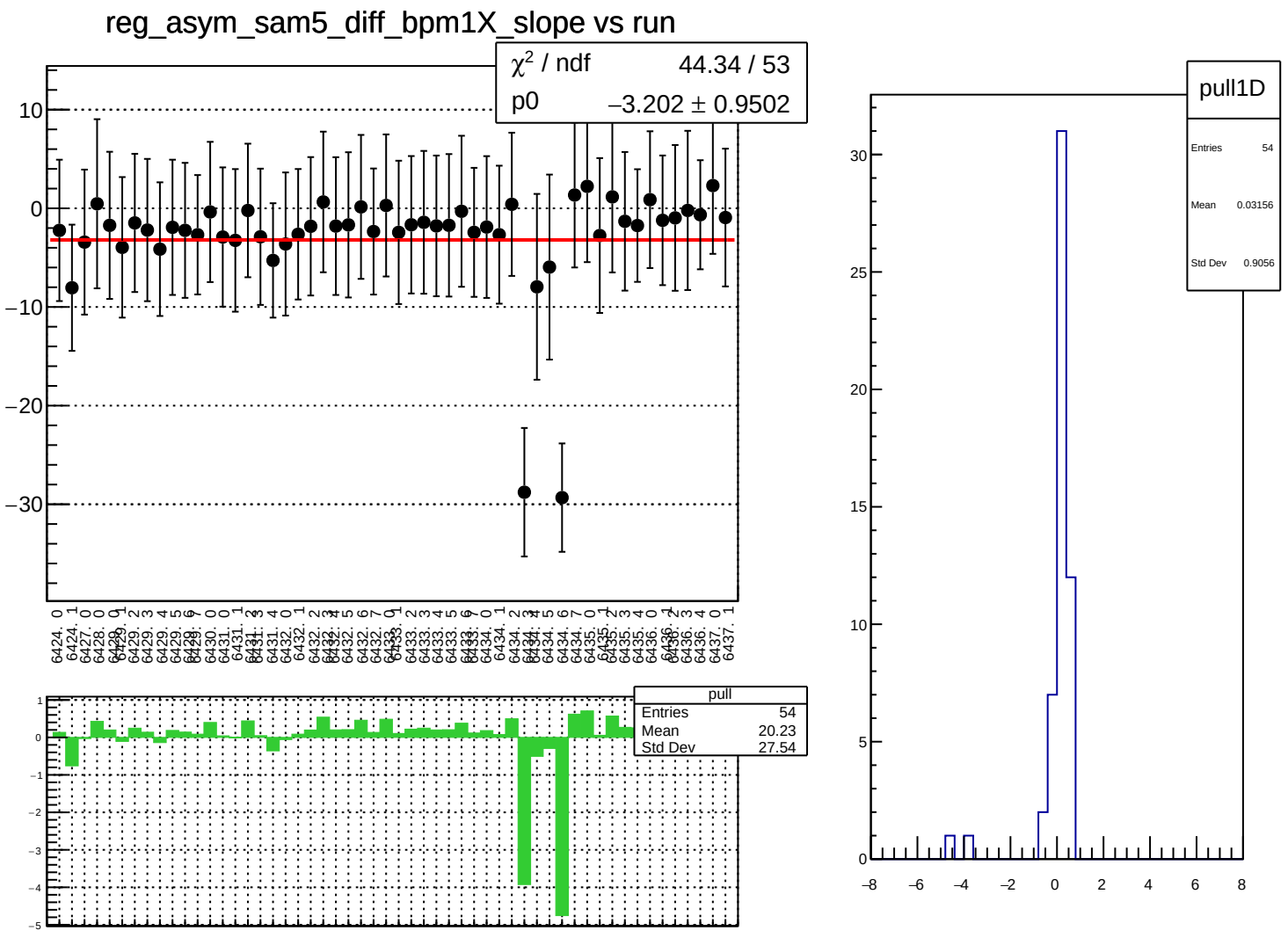

pull1D
Entries 54
Mean 0.03828
Std Dev 1.121

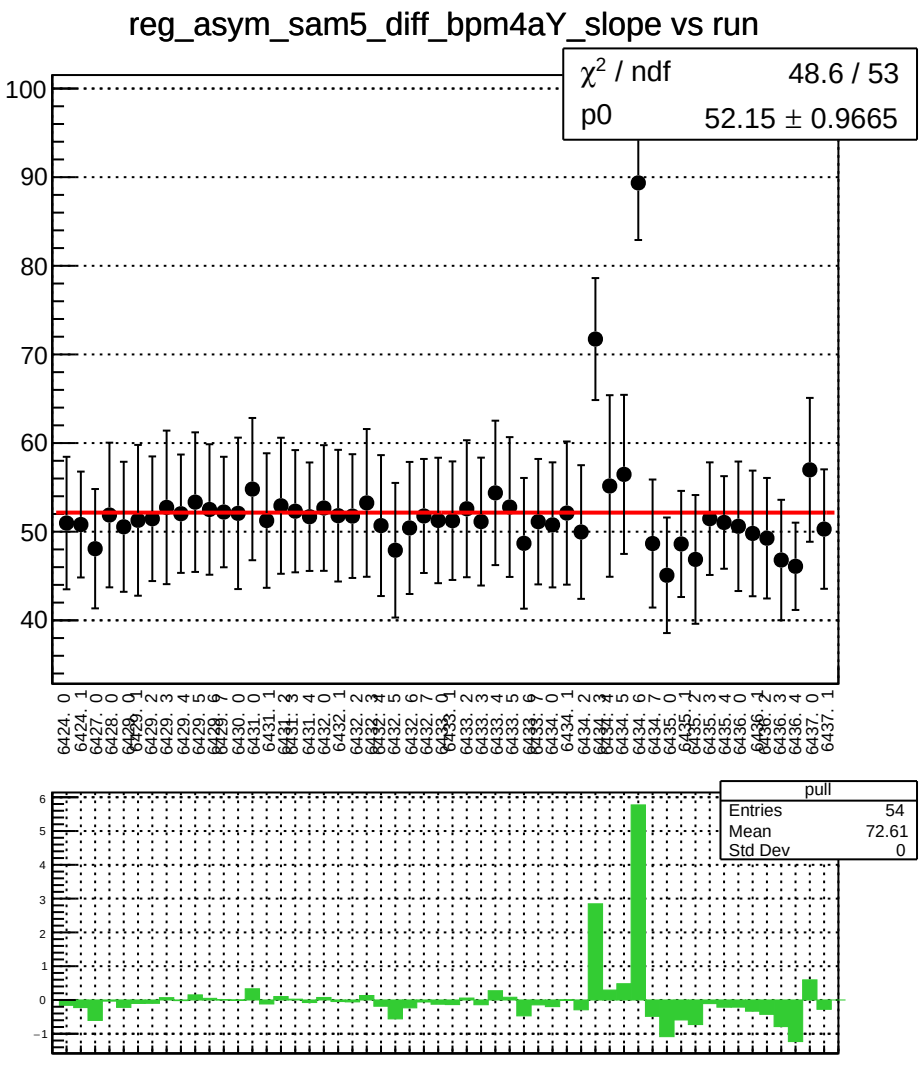

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 53.76 / 53
p0 −160.5 ± 3.195
−50
−100
−150
−200
−250
pull
Entries 54
Mean 104.7
Std Dev 0
pull1D
Entries 54
Mean −0.04068
Std Dev 0.9969

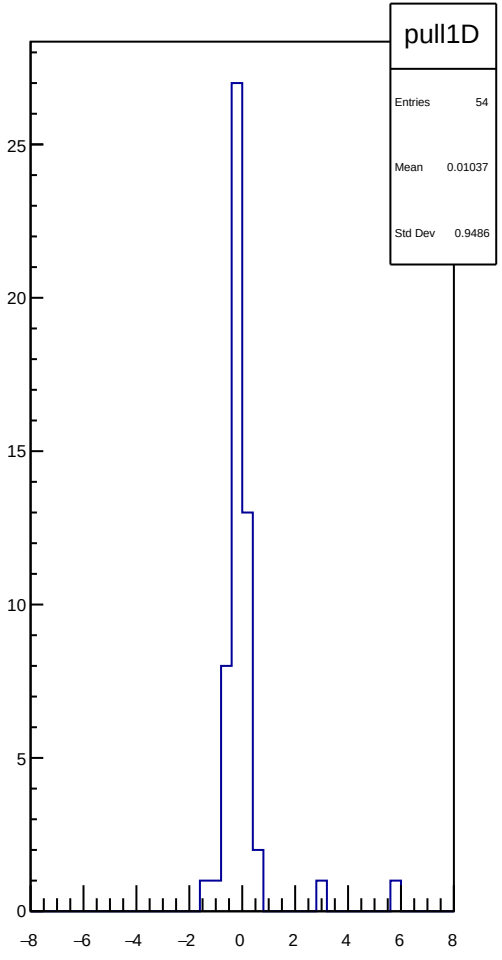

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 58.21 / 53
p0 248.2 ± 3.148
pull
Entries 54
Mean 202.1
Std Dev 0
pull1D
Entries 54
Mean 0.01775
Std Dev 1.038

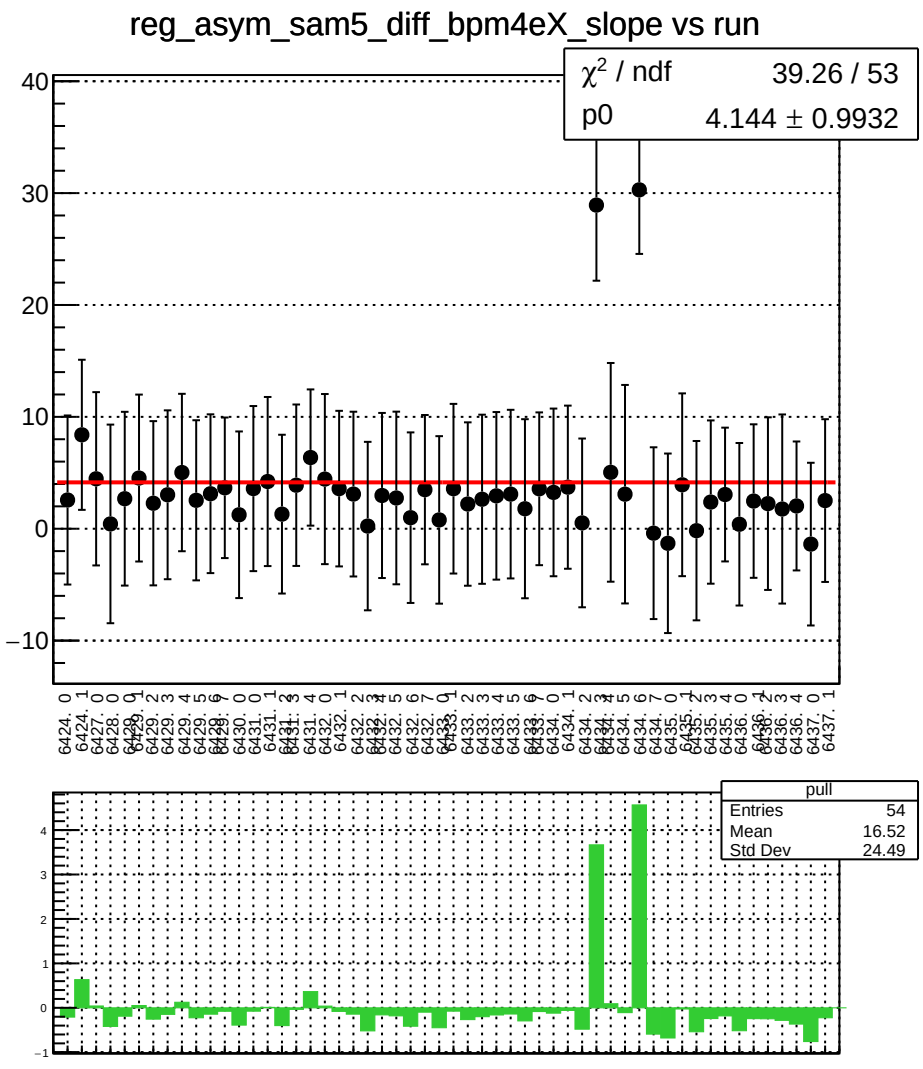

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.016 / 53
p0 0.4233 ± 0.1243
pull
Entries 54
Mean −928.7
Std Dev 0

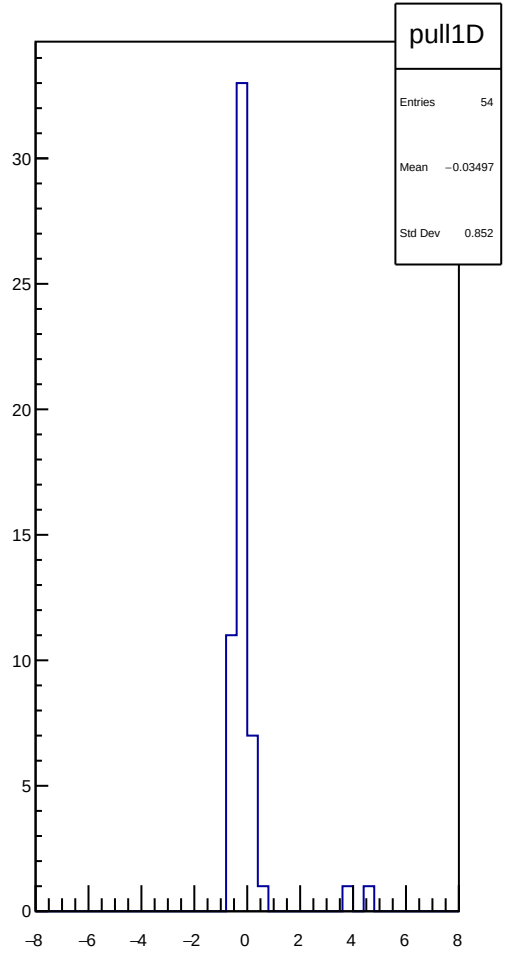

pull1D
Entries 54
Mean −0.00157
Std Dev 0.2363

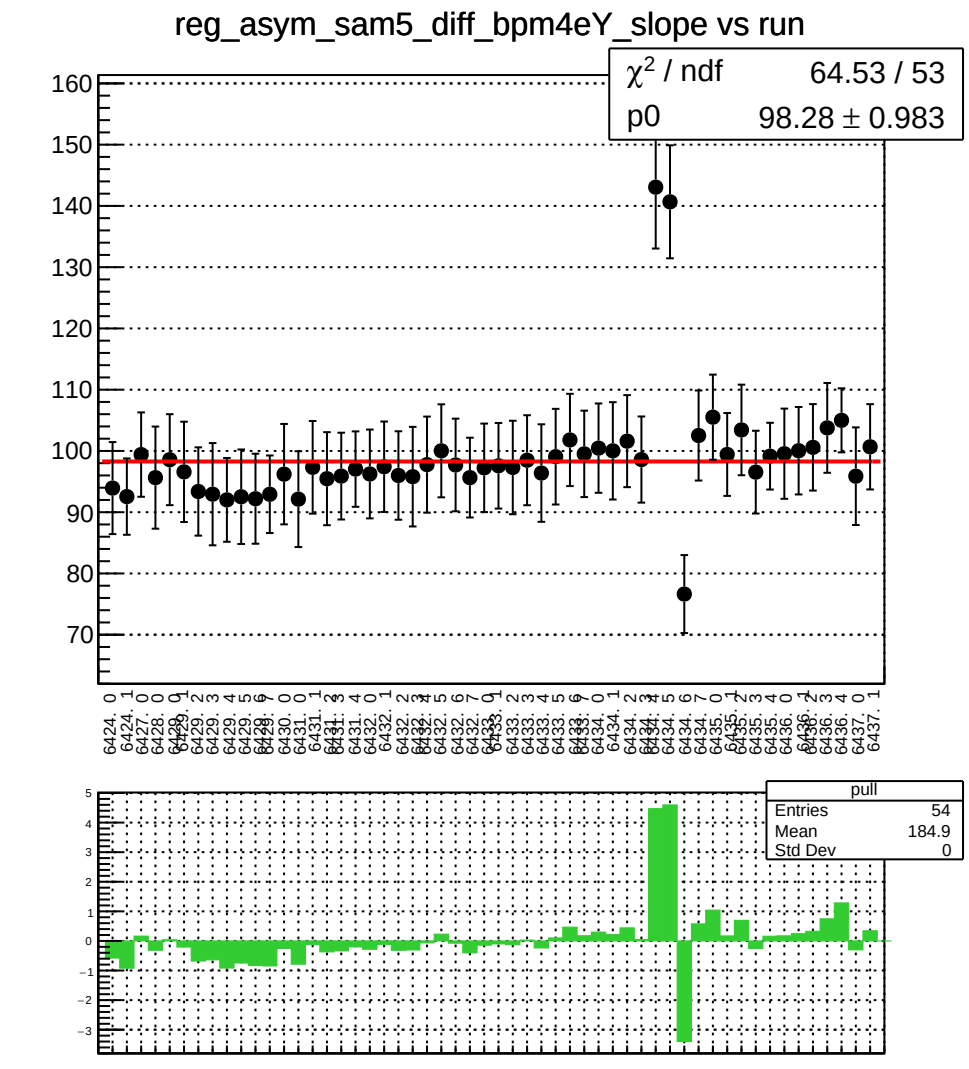

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 44.34 / 53
p0 −3.202 ± 0.9502
pull
Entries 54
Mean 20.23
Std Dev 27.54
pull1D
Entries 54
Mean 0.03156
Std Dev 0.9056

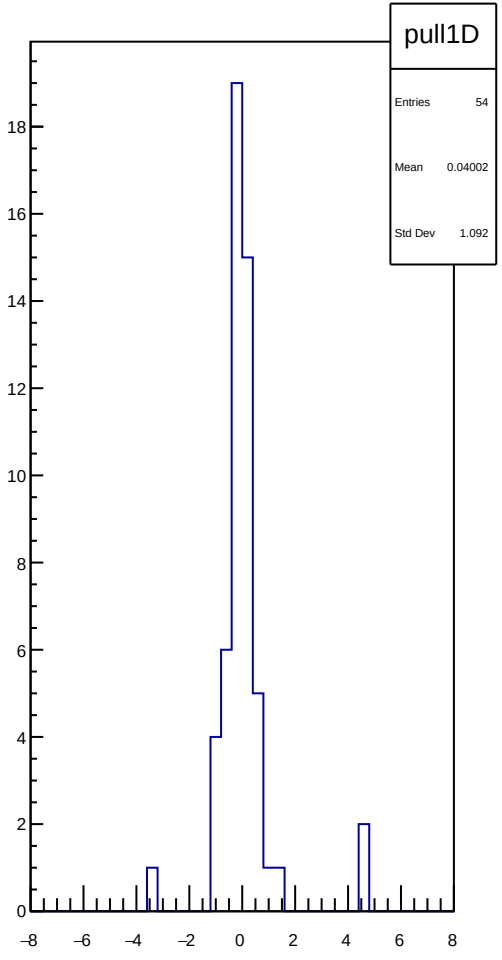

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 48.6 / 53
p0 52.15 ± 0.9665
pull
Entries 54
Mean 72.61
Std Dev 0

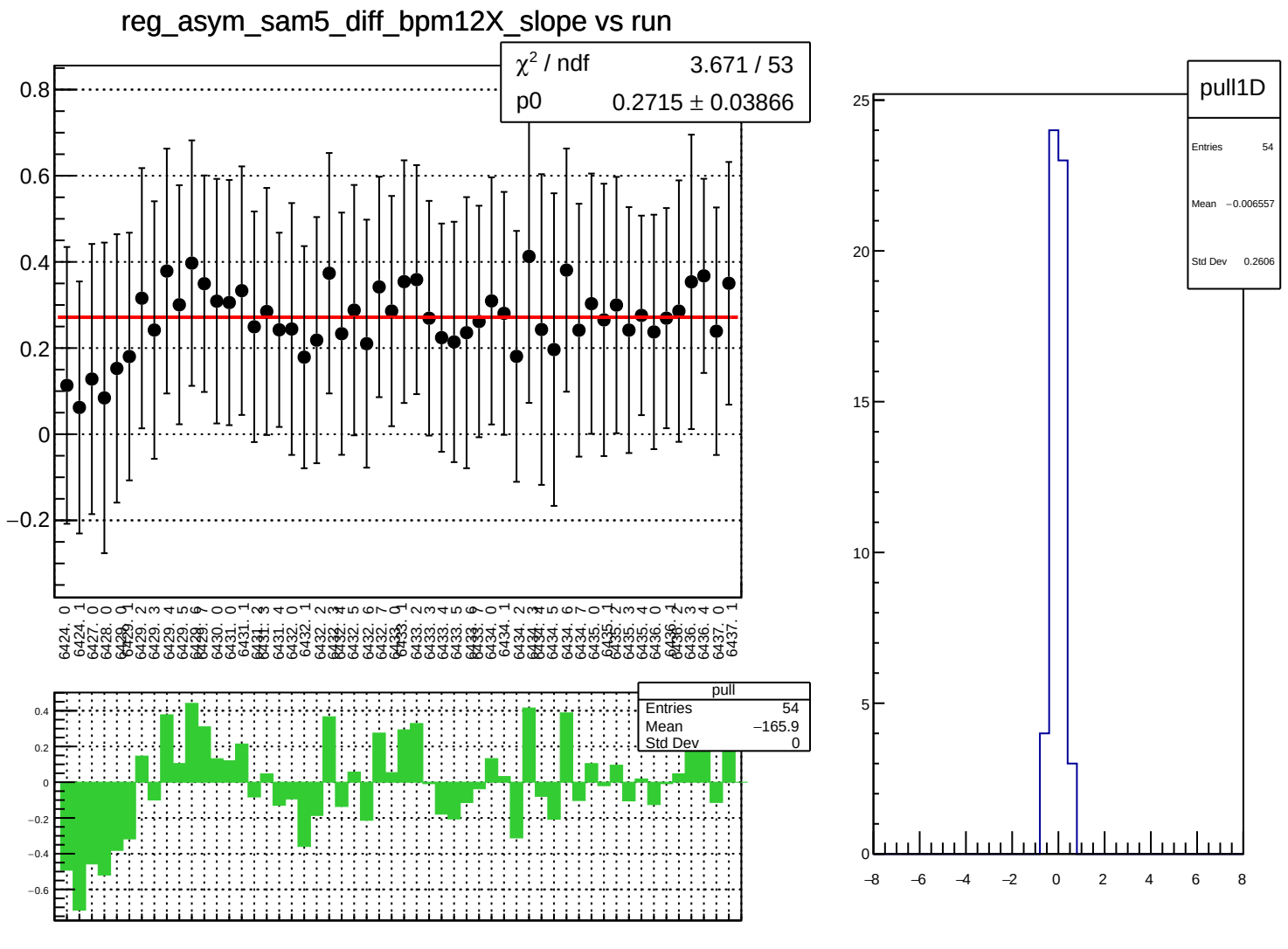

pull1D
Entries 54
Mean 0.01037
Std Dev 0.9486

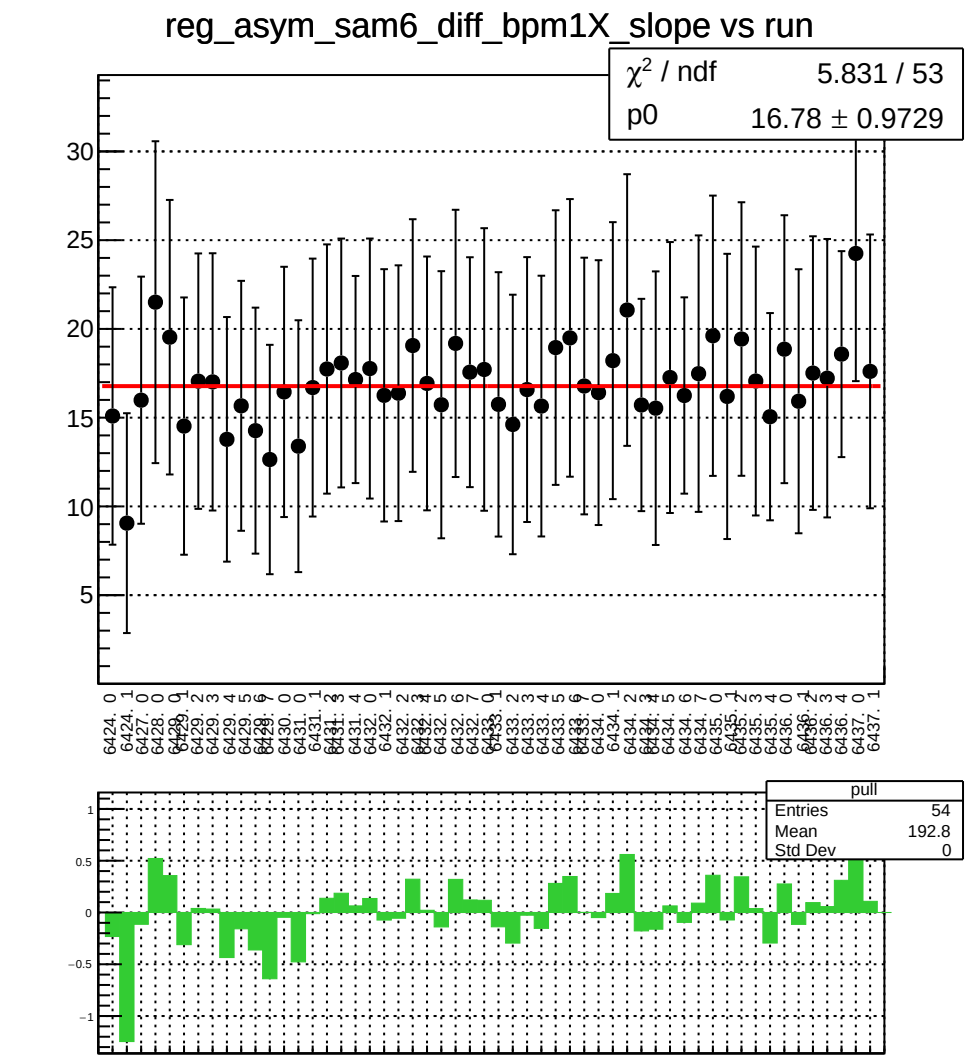

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 39.26 / 53
p0 4.144 ± 0.9932
pull
Entries 54
Mean 16.52
Std Dev 24.49

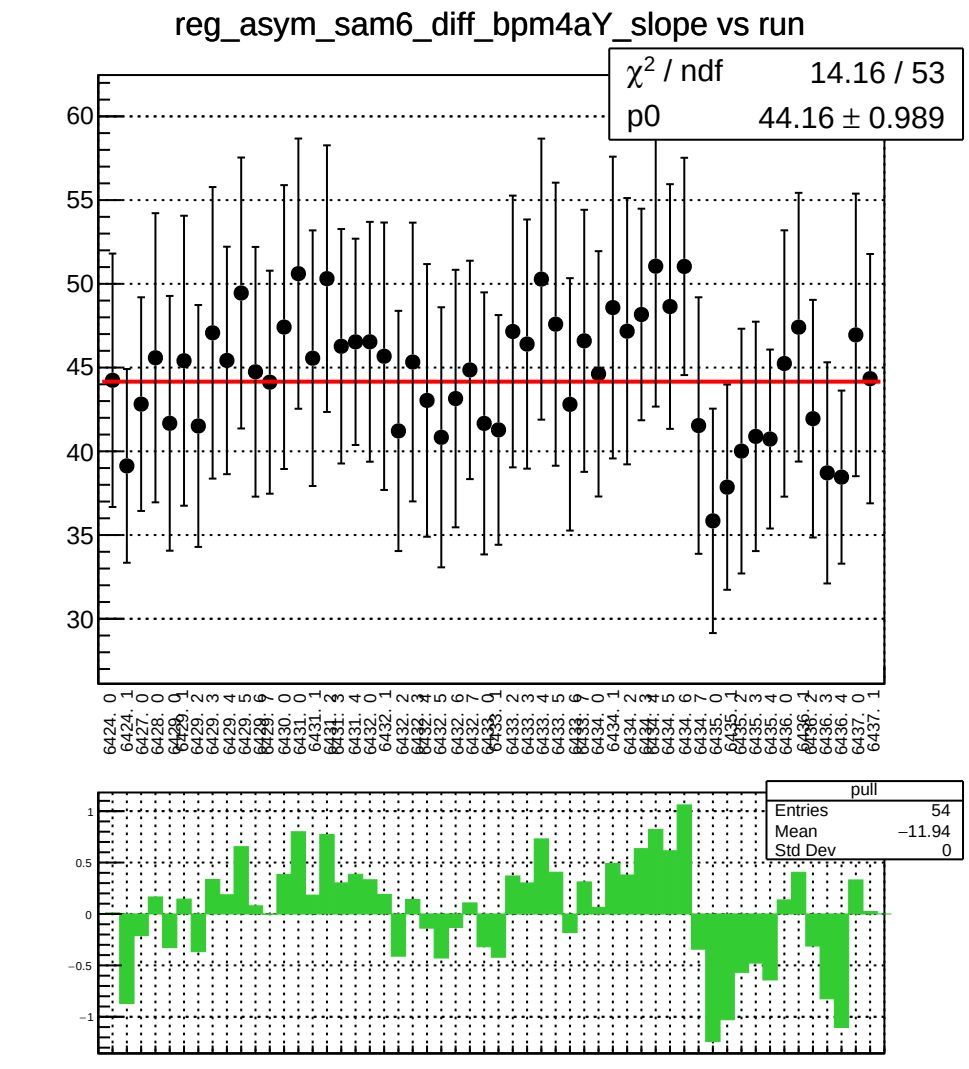

pull1D
Entries 54
Mean −0.03497
Std Dev 0.852

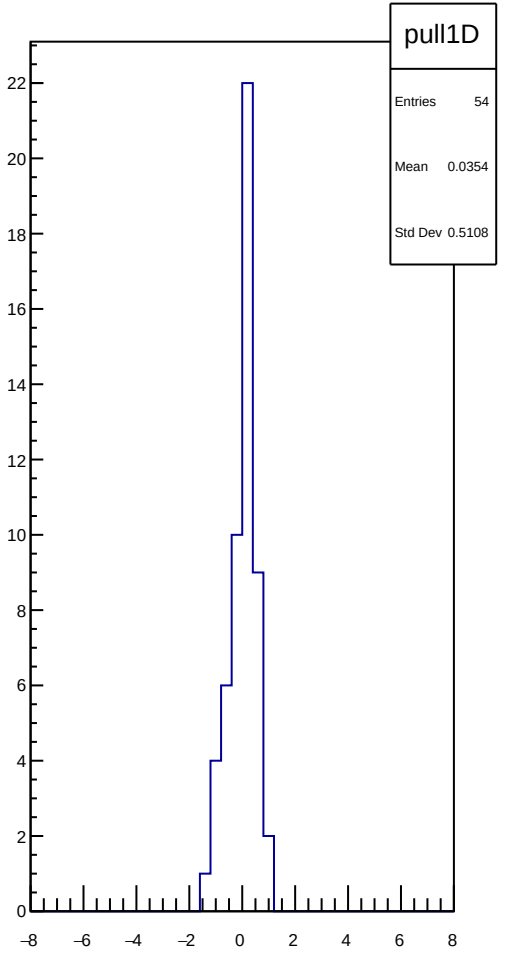

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 64.53 / 53
p0 98.28 ± 0.983
pull
Entries 54
Mean 184.9
Std Dev 0

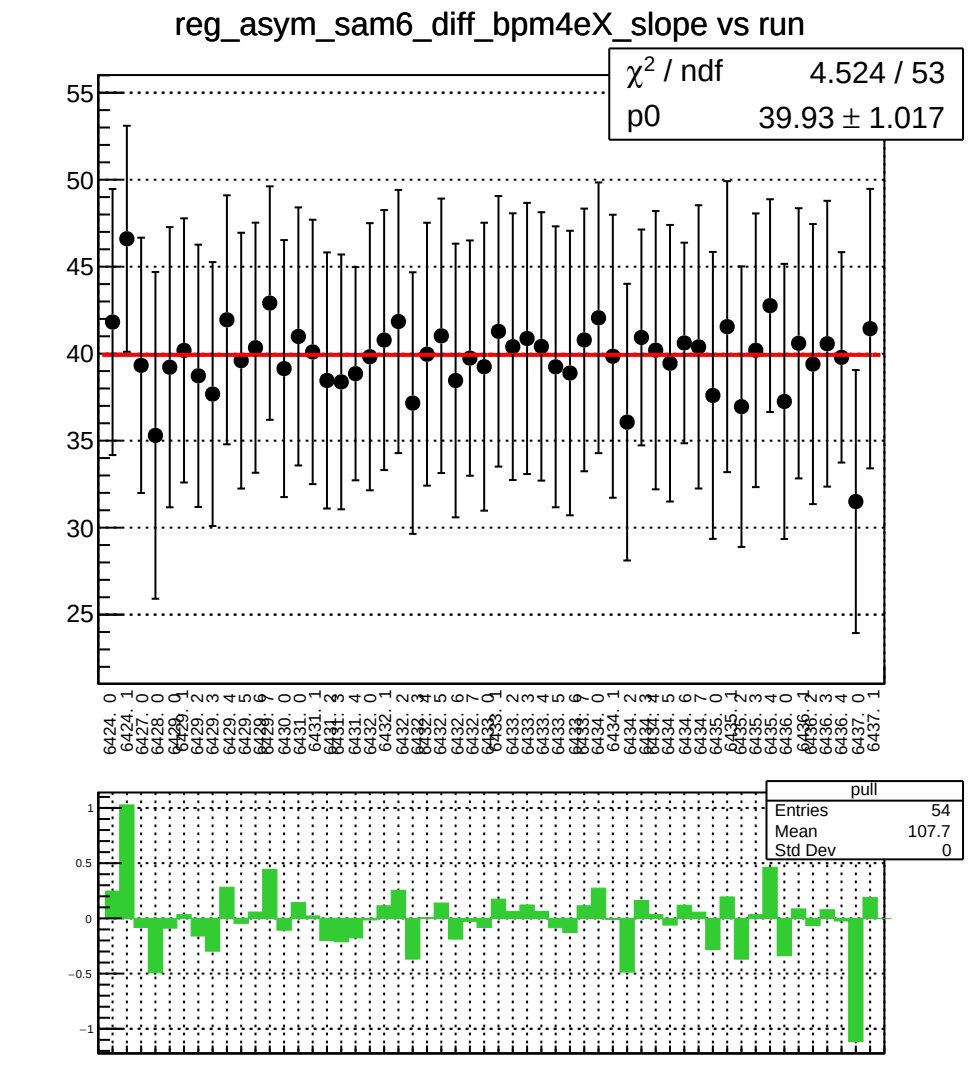

pull1D
Entries 54
Mean 0.04002
Std Dev 1.092

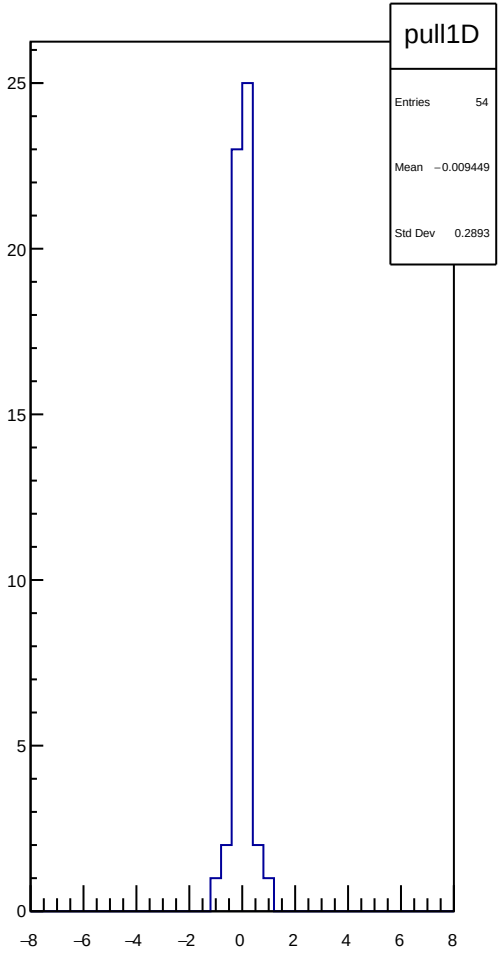

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 3.671 / 53
p0 0.2715 ± 0.03866
pull
Entries 54
Mean −165.9
Std Dev 0
pull1D
Entries 54
Mean −0.006557
Std Dev 0.2606

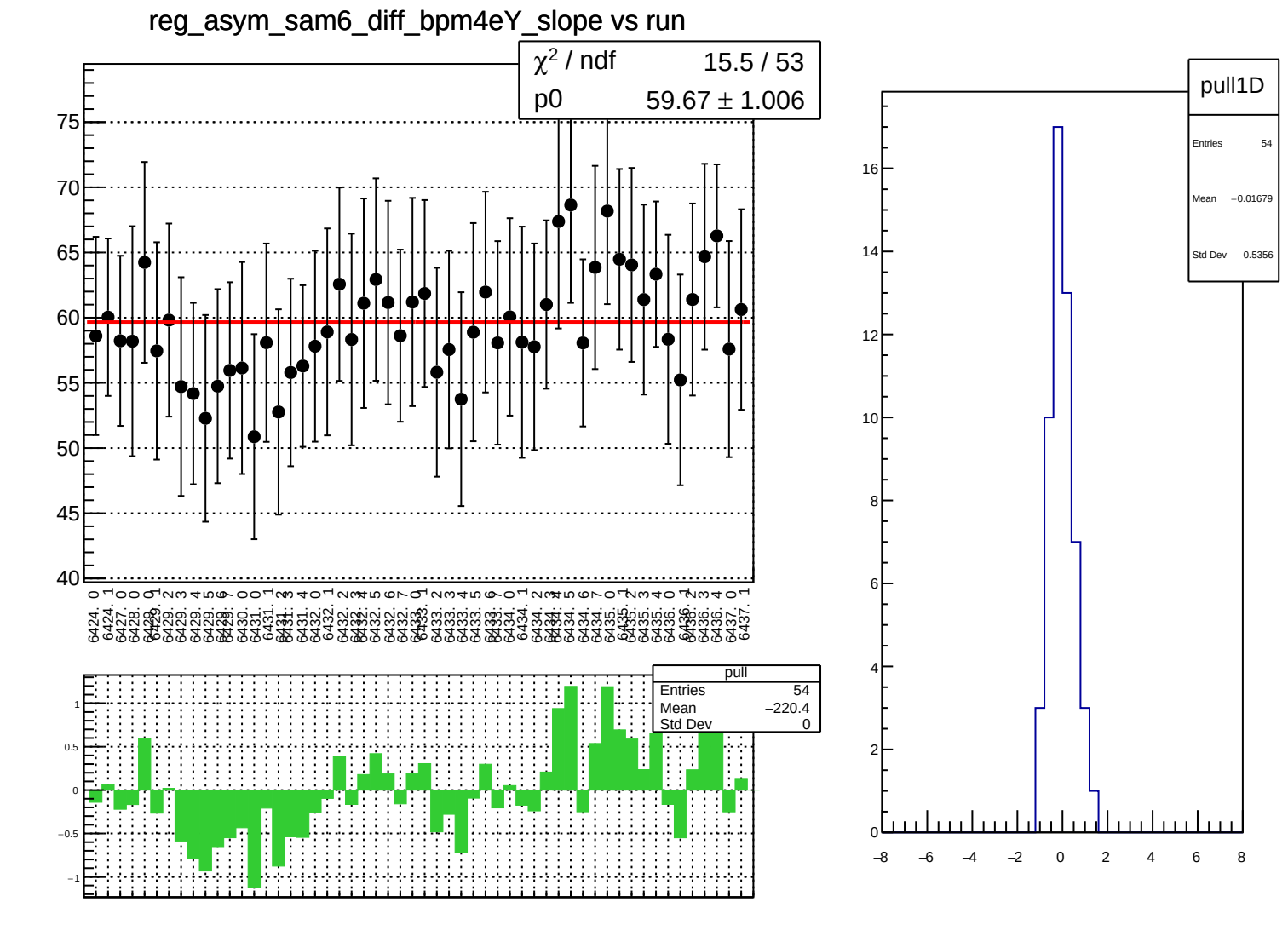

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 5.831 / 53
p0 16.78 ± 0.9729
pull
Entries 54
Mean 192.8
Std Dev 0
pull1D
Entries 54
Mean 0.012
Std Dev 0.3284

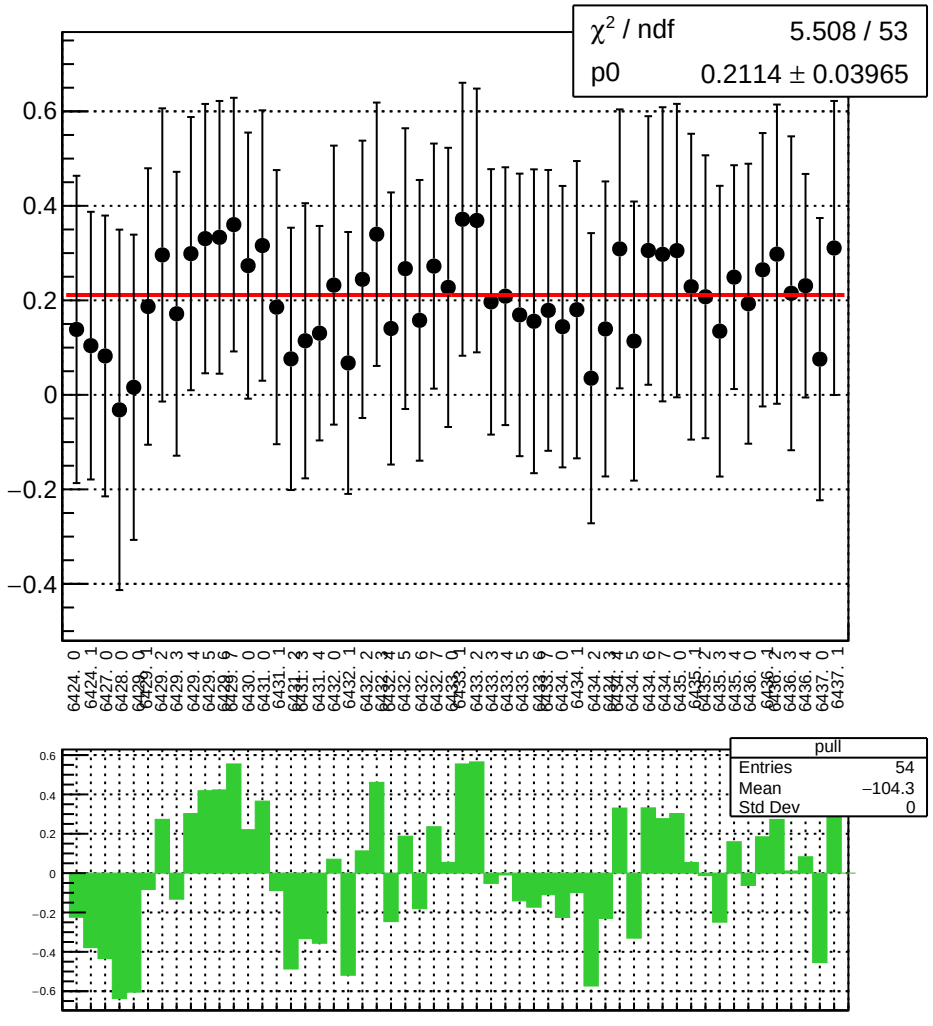

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 14.16 / 53
p0 44.16 ± 0.989
pull
Entries 54
Mean −11.94
Std Dev 0

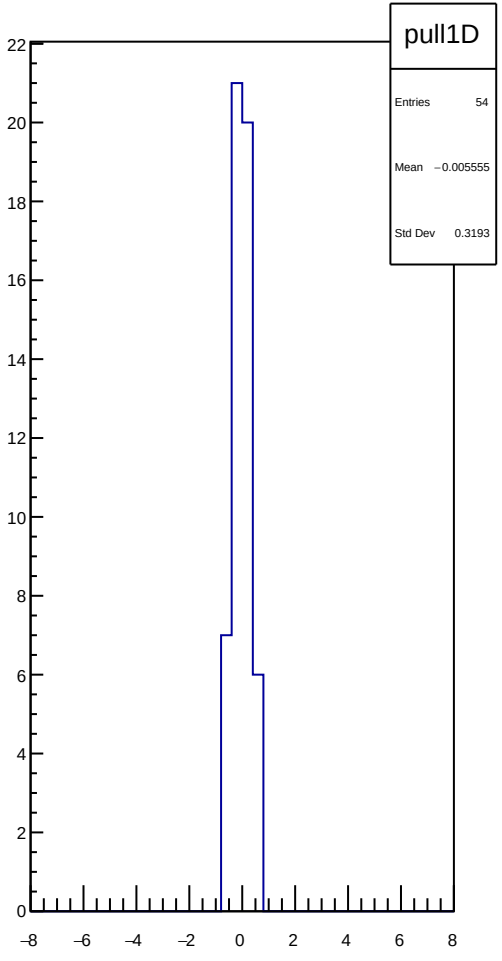

pull1D
Entries 54
Mean 0.0354
Std Dev 0.5108

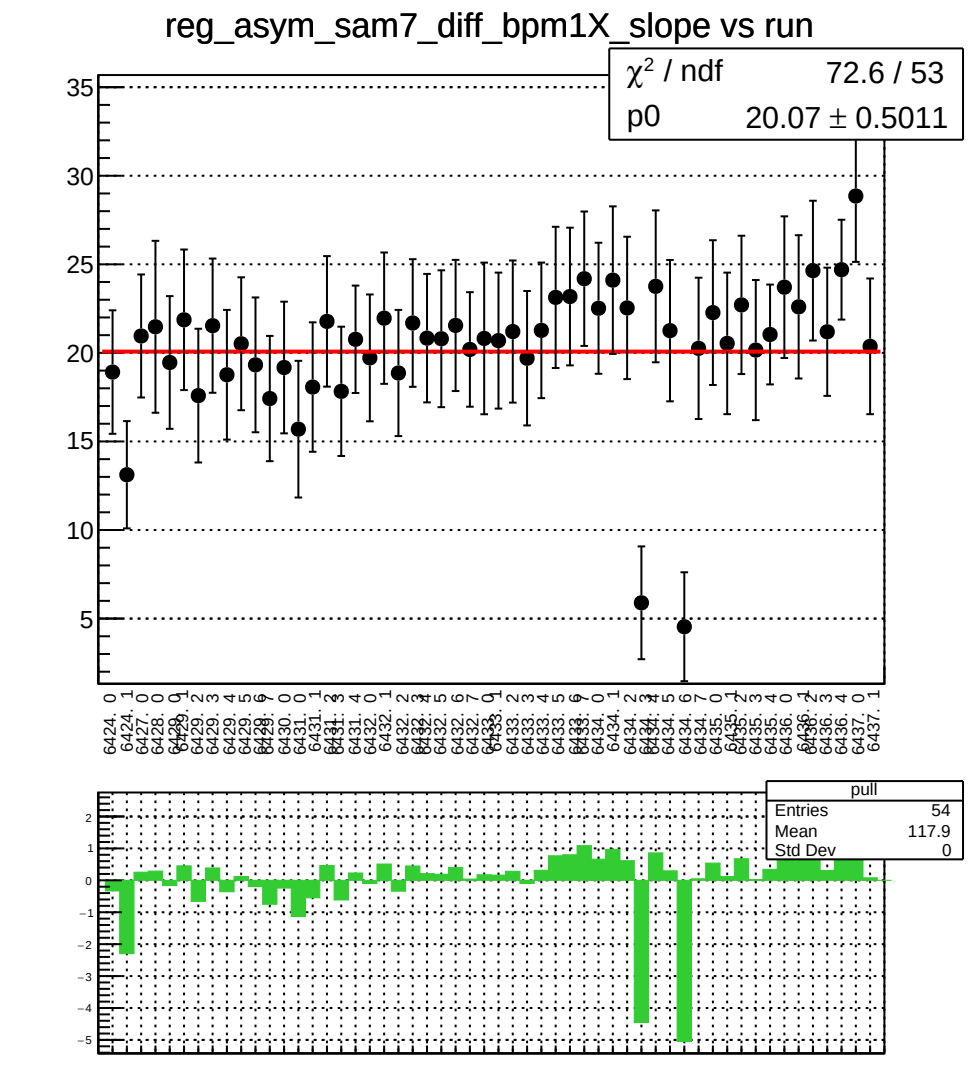

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.524 / 53
p0 39.93 ± 1.017
pull
Entries 54
Mean 107.7
Std Dev 0

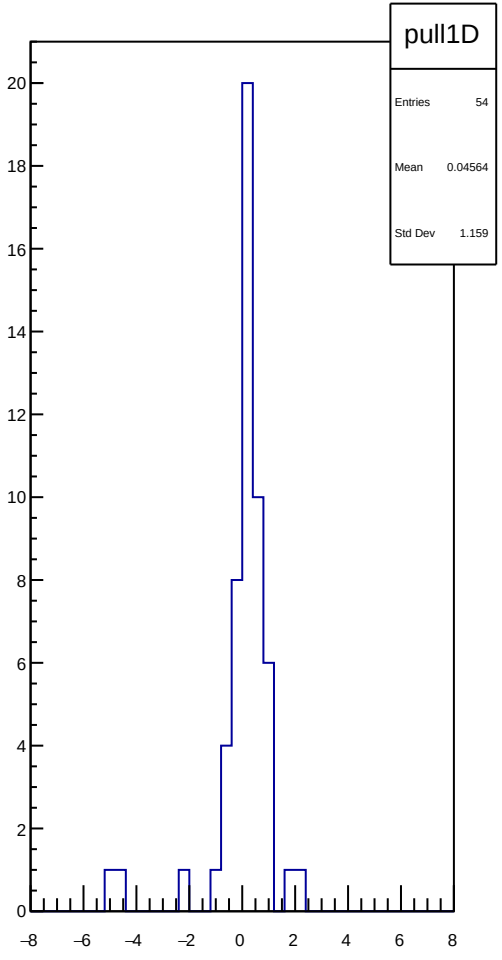

pull1D
Entries 54
Mean −0.009449
Std Dev 0.2893

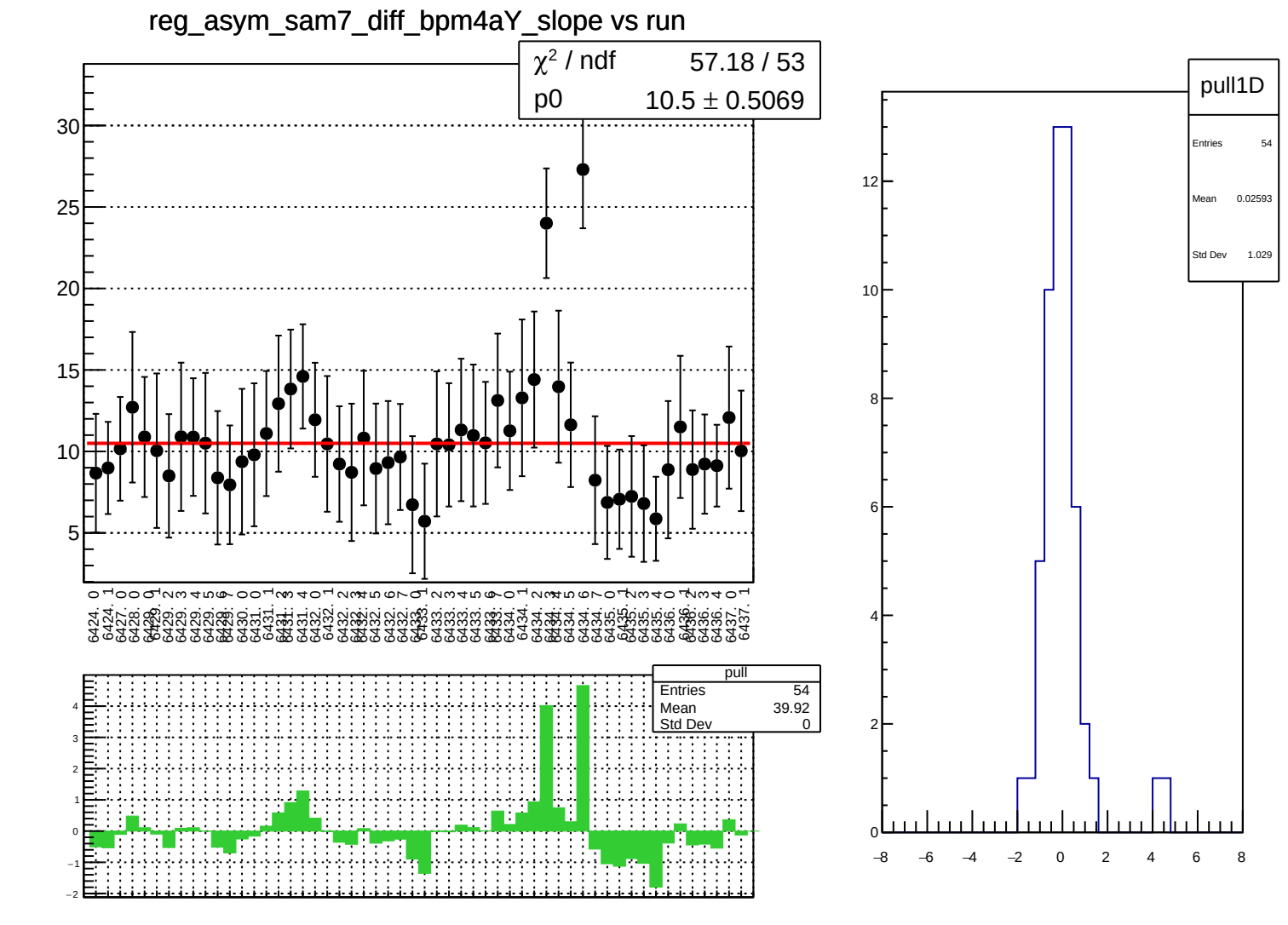

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 15.5 / 53
p0 59.67 ± 1.006
pull
Entries 54
Mean −220.4
Std Dev 0
pull1D
Entries 54
Mean −0.01679
Std Dev 0.5356

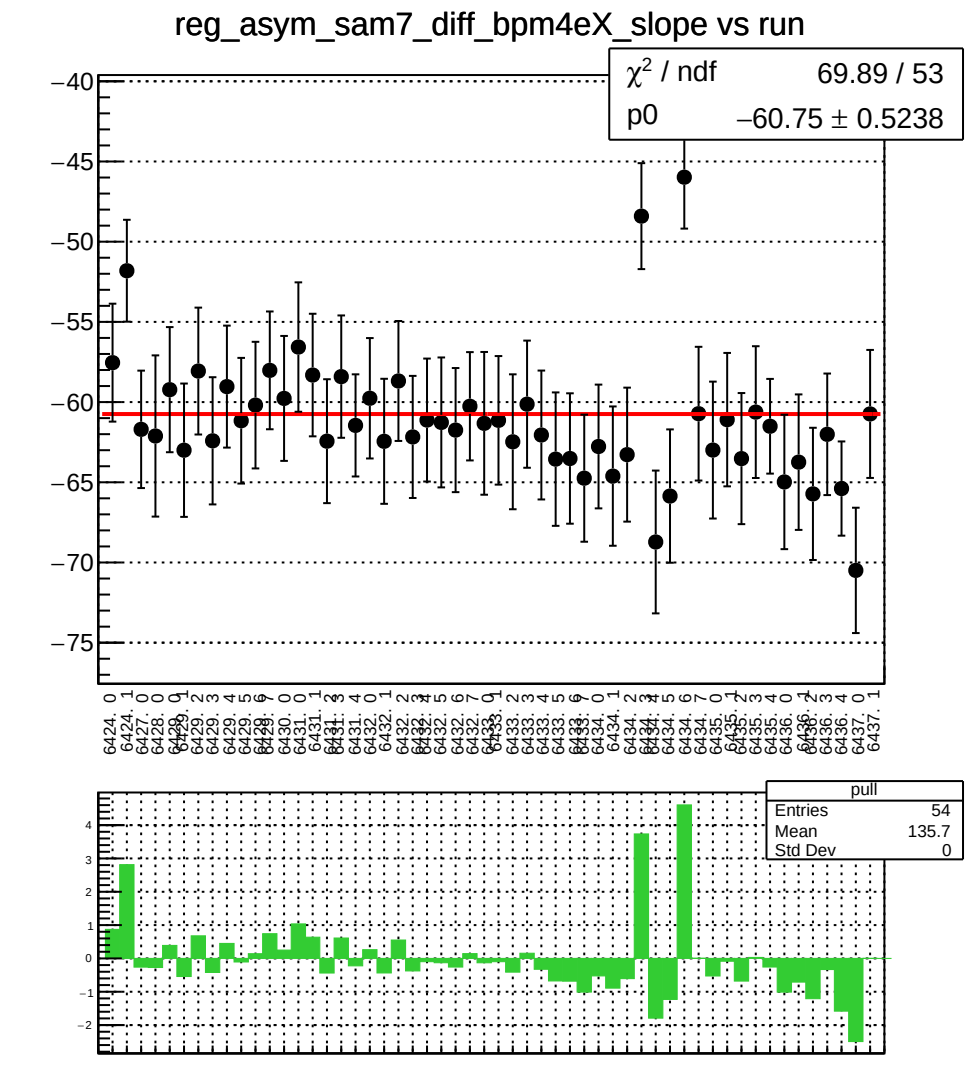

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 5.508 / 53
p0 0.2114 ± 0.03965
pull
Entries 54
Mean −104.3
Std Dev 0

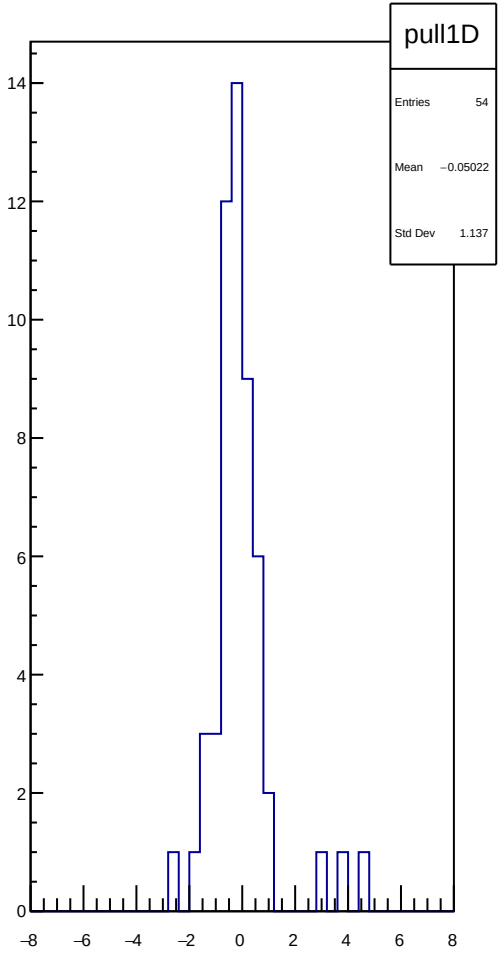

pull1D
Entries 54
Mean −0.005555
Std Dev 0.3193

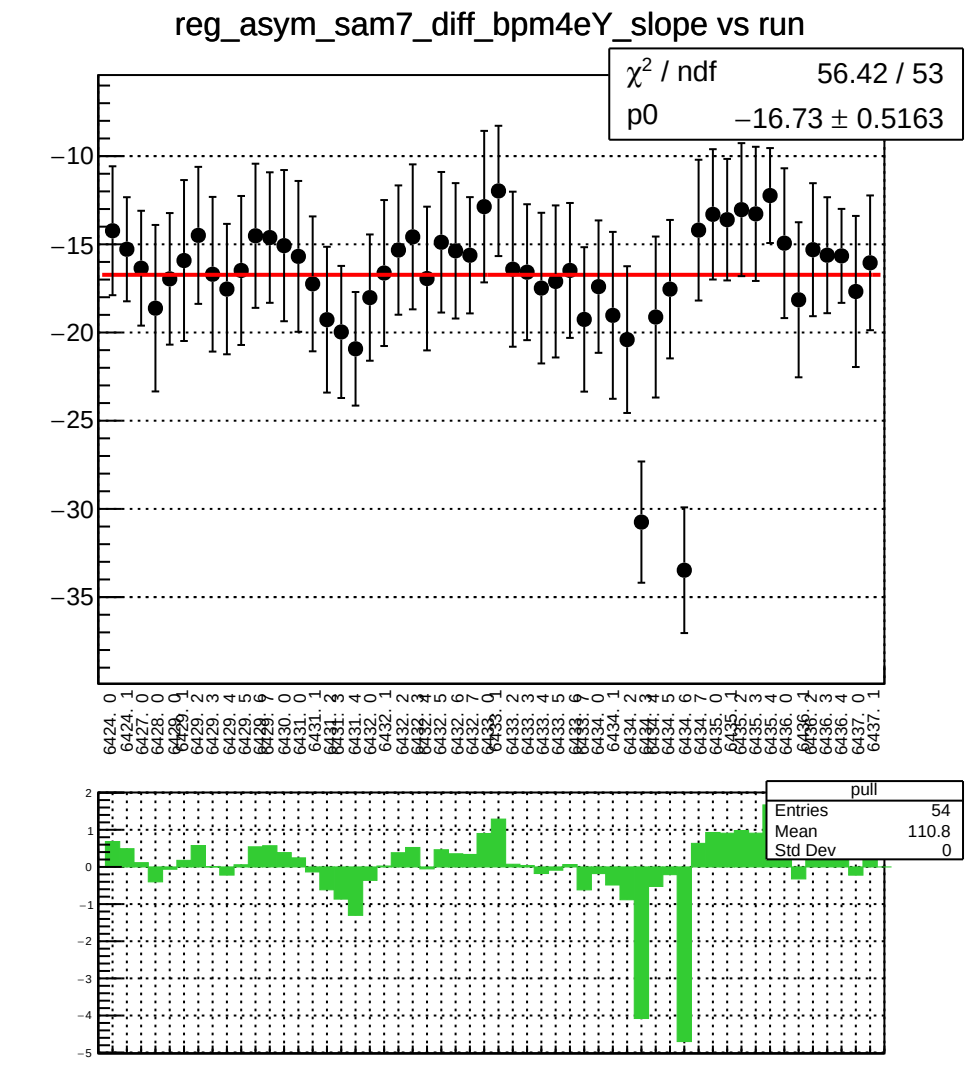

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 72.6 / 53
p0 20.07 ± 0.5011
pull
Entries 54
Mean 117.9
Std Dev 0

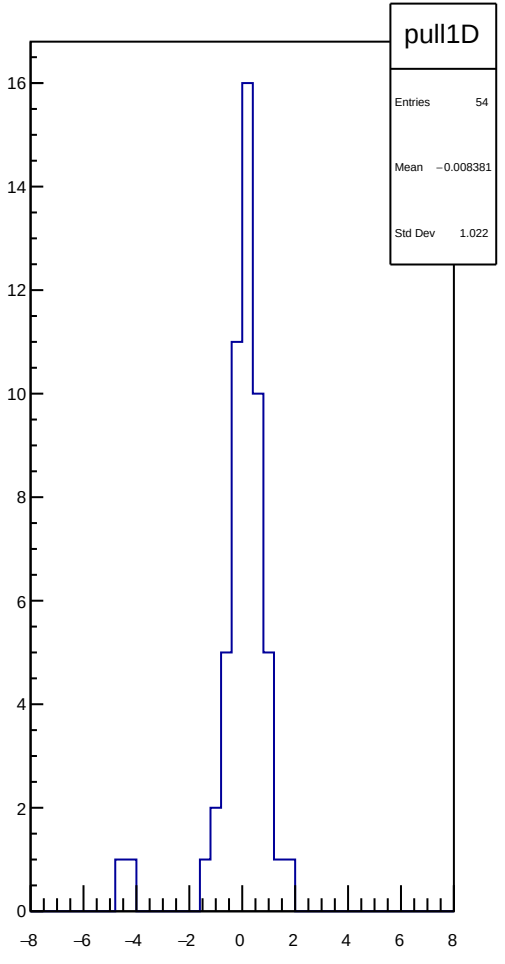

pull1D
Entries 54
Mean 0.04564
Std Dev 1.159

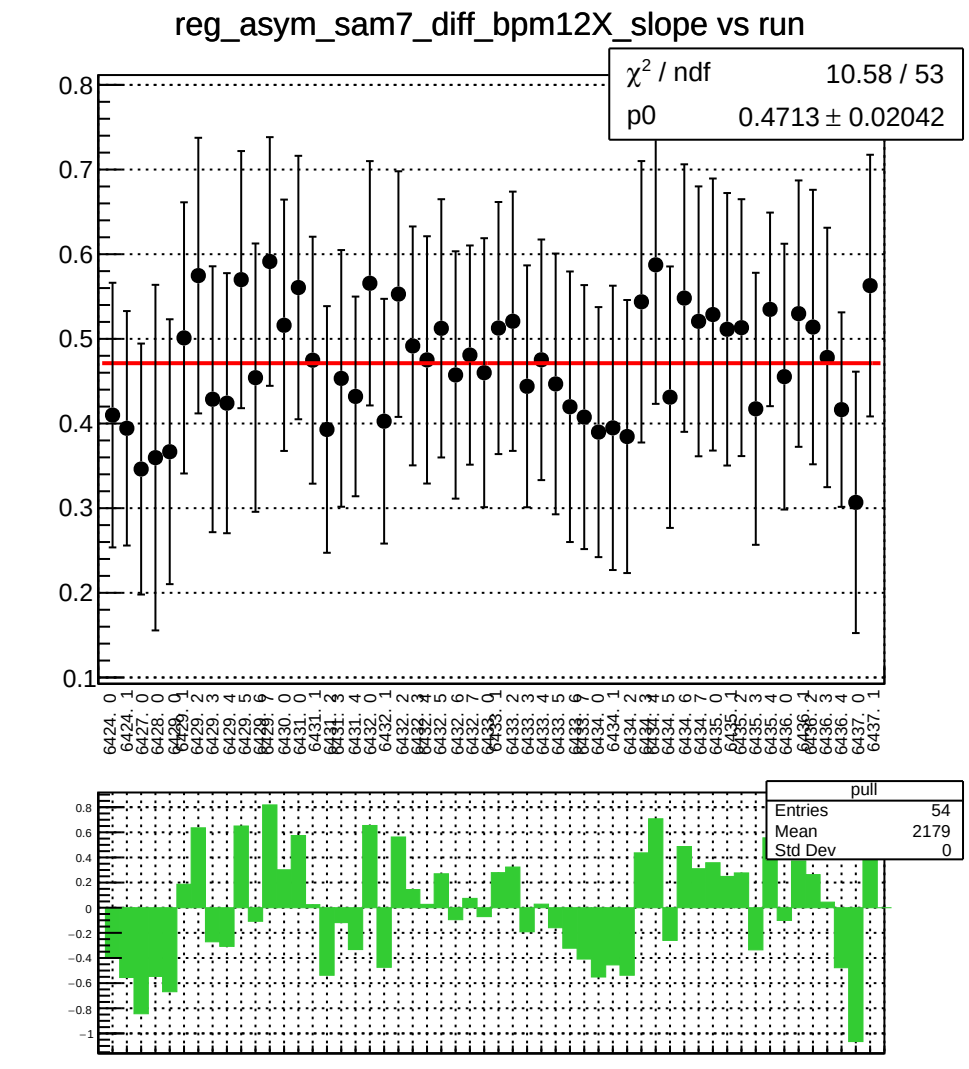

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 57.18 / 53
p0 10.5 ± 0.5069
pull
Entries 54
Mean 39.92
Std Dev 0
pull1D
Entries 54
Mean 0.02593
Std Dev 1.029

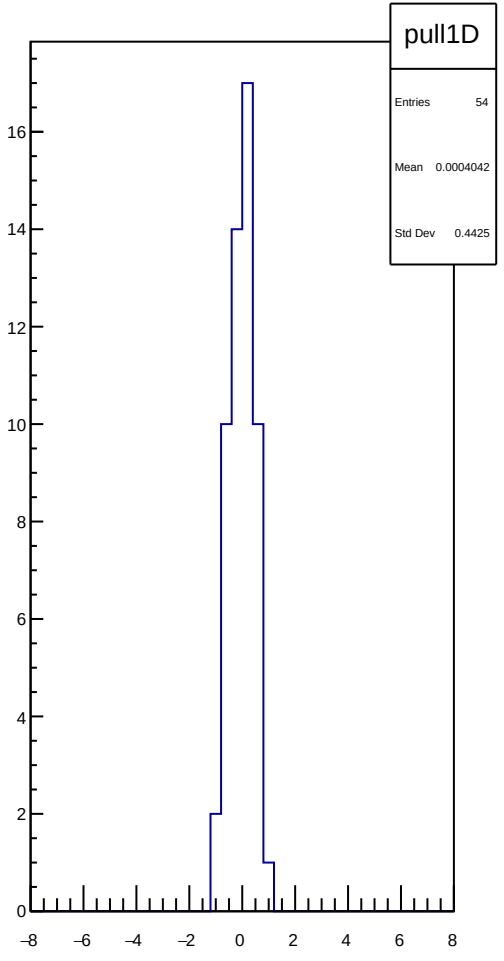

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 69.89 / 53
p0 −60.75 ± 0.5238
pull
Entries 54
Mean 135.7
Std Dev 0

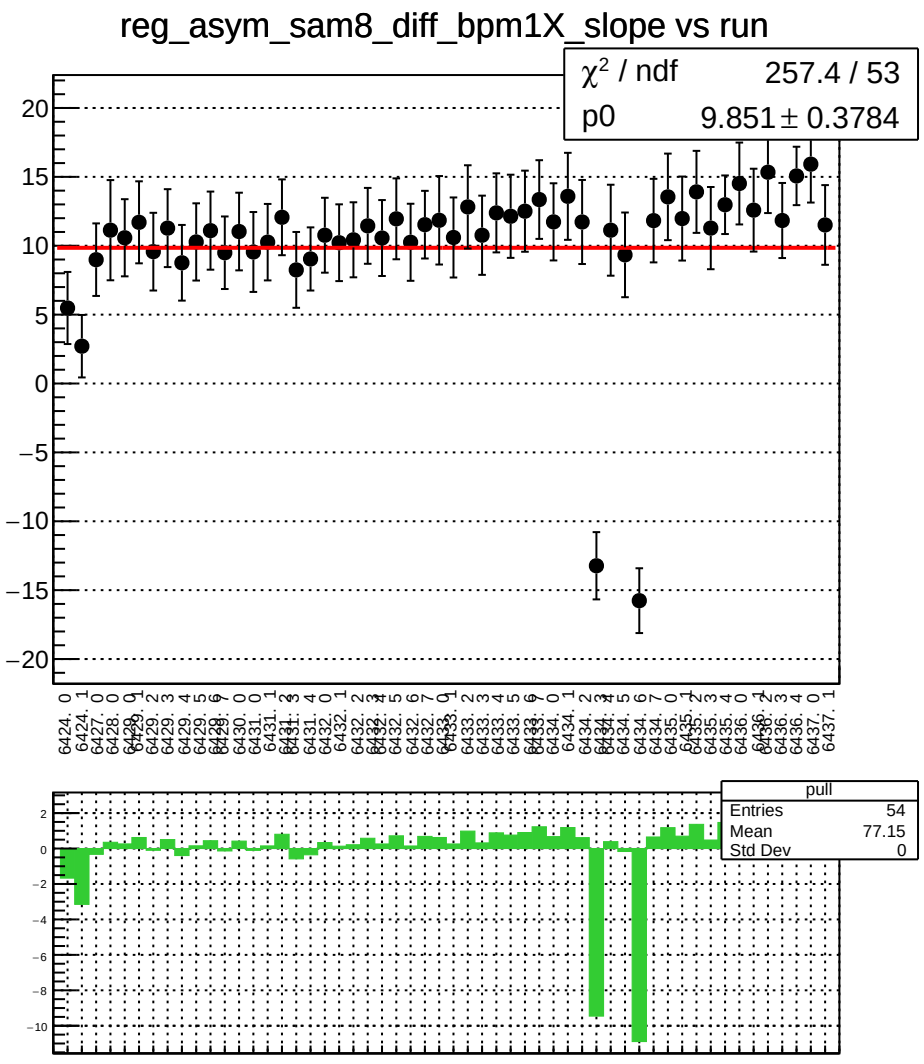

pull1D
Entries 54
Mean −0.05022
Std Dev 1.137

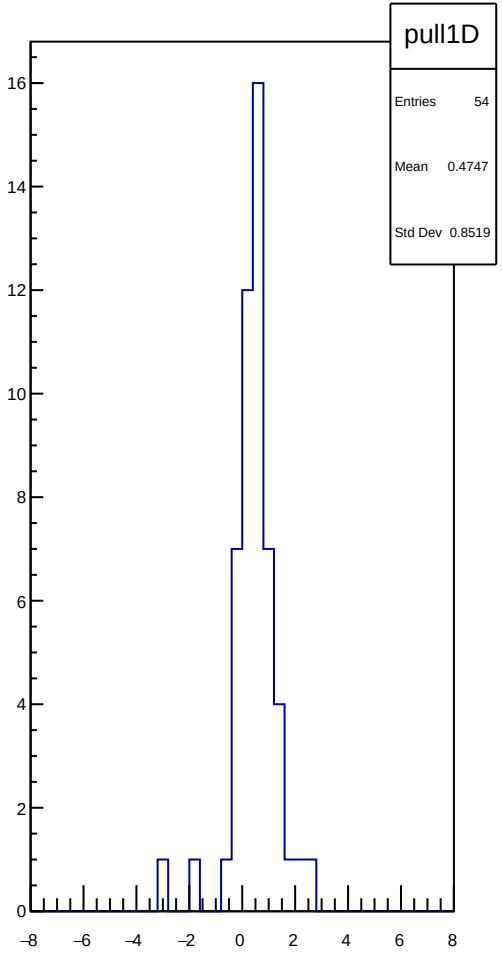

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 56.42 / 53
p0 −16.73 ± 0.5163
pull
Entries 54
Mean 110.8
Std Dev 0

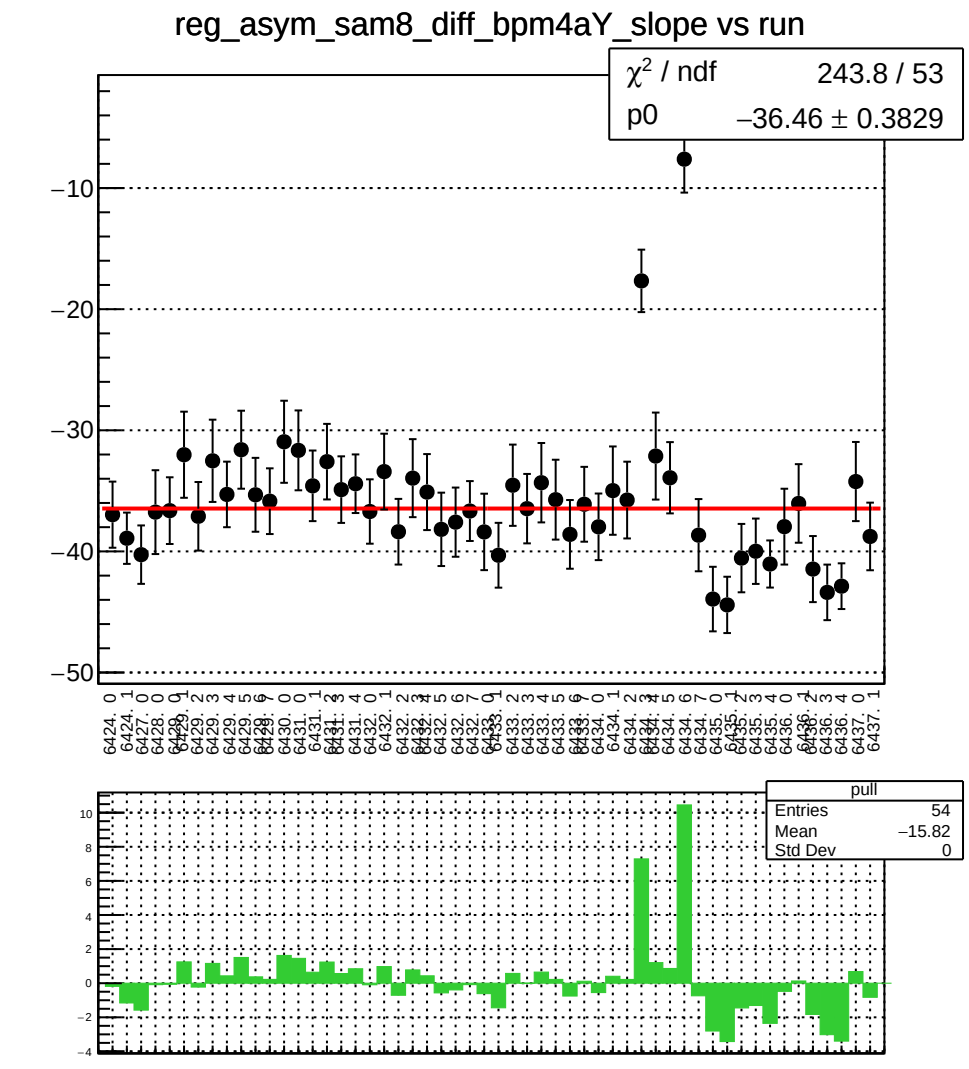

pull1D
Entries 54
Mean −0.008381
Std Dev 1.022

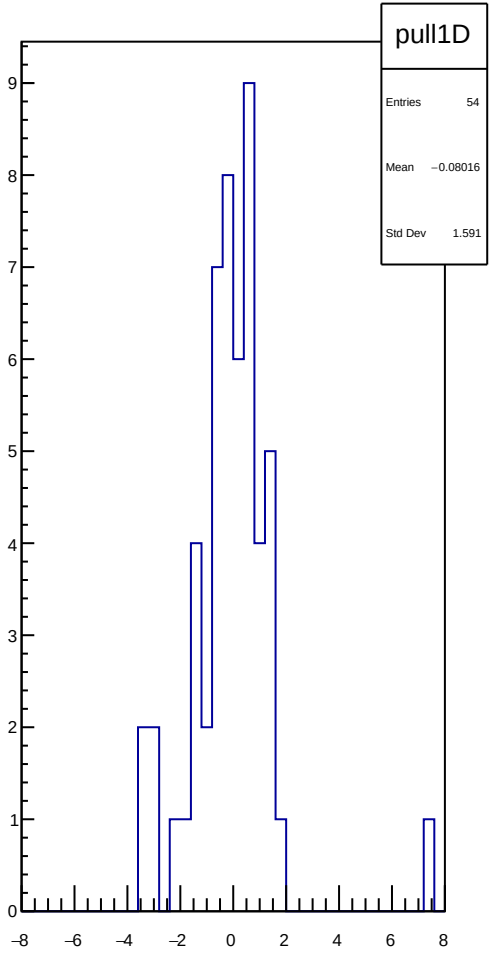

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 53
p0 0.4713 ± 0.02042
pull
Entries 54
Mean 2179
Std Dev 0

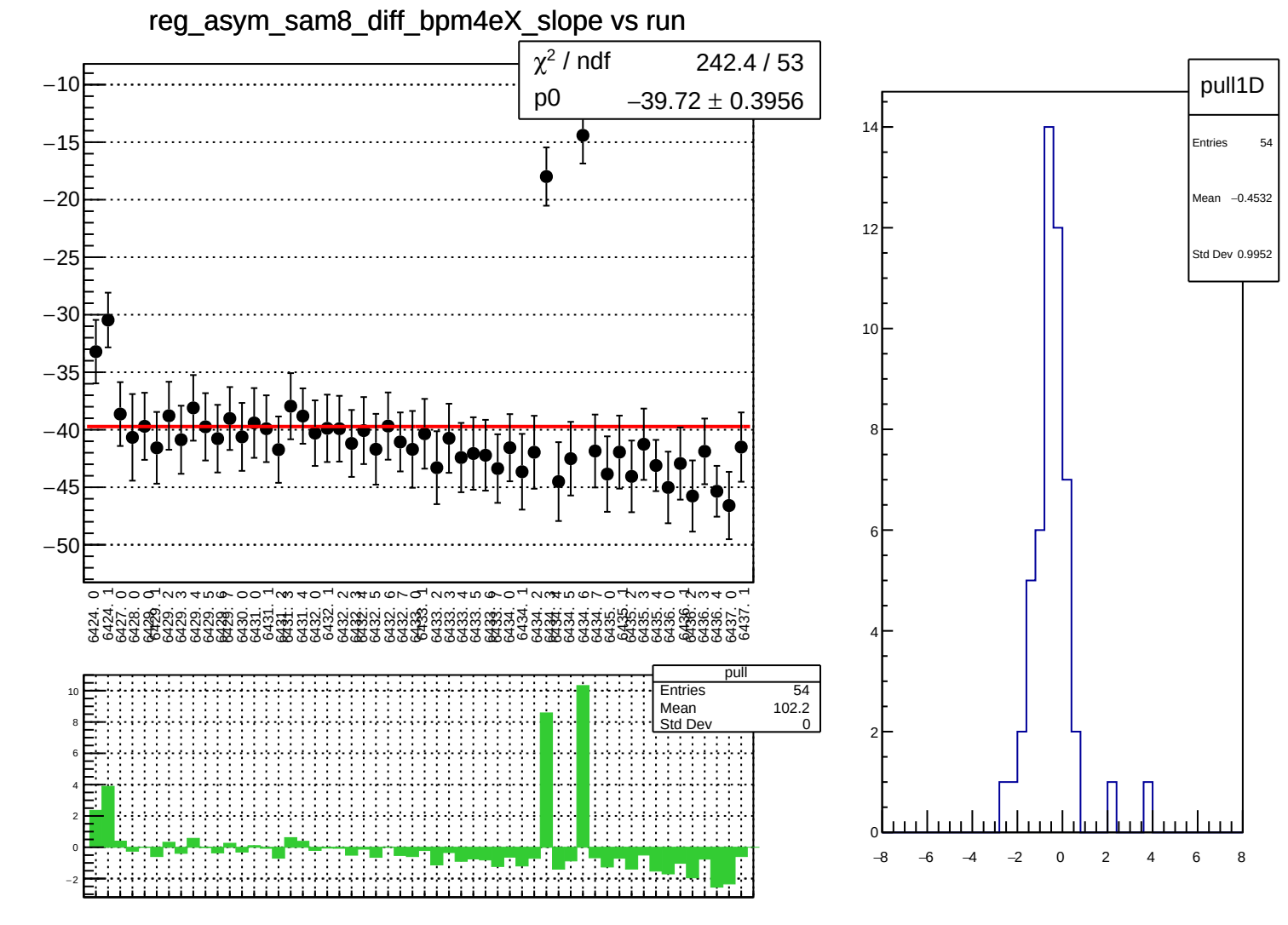

pull1D
Entries 54
Mean 0.0004042
Std Dev 0.4425

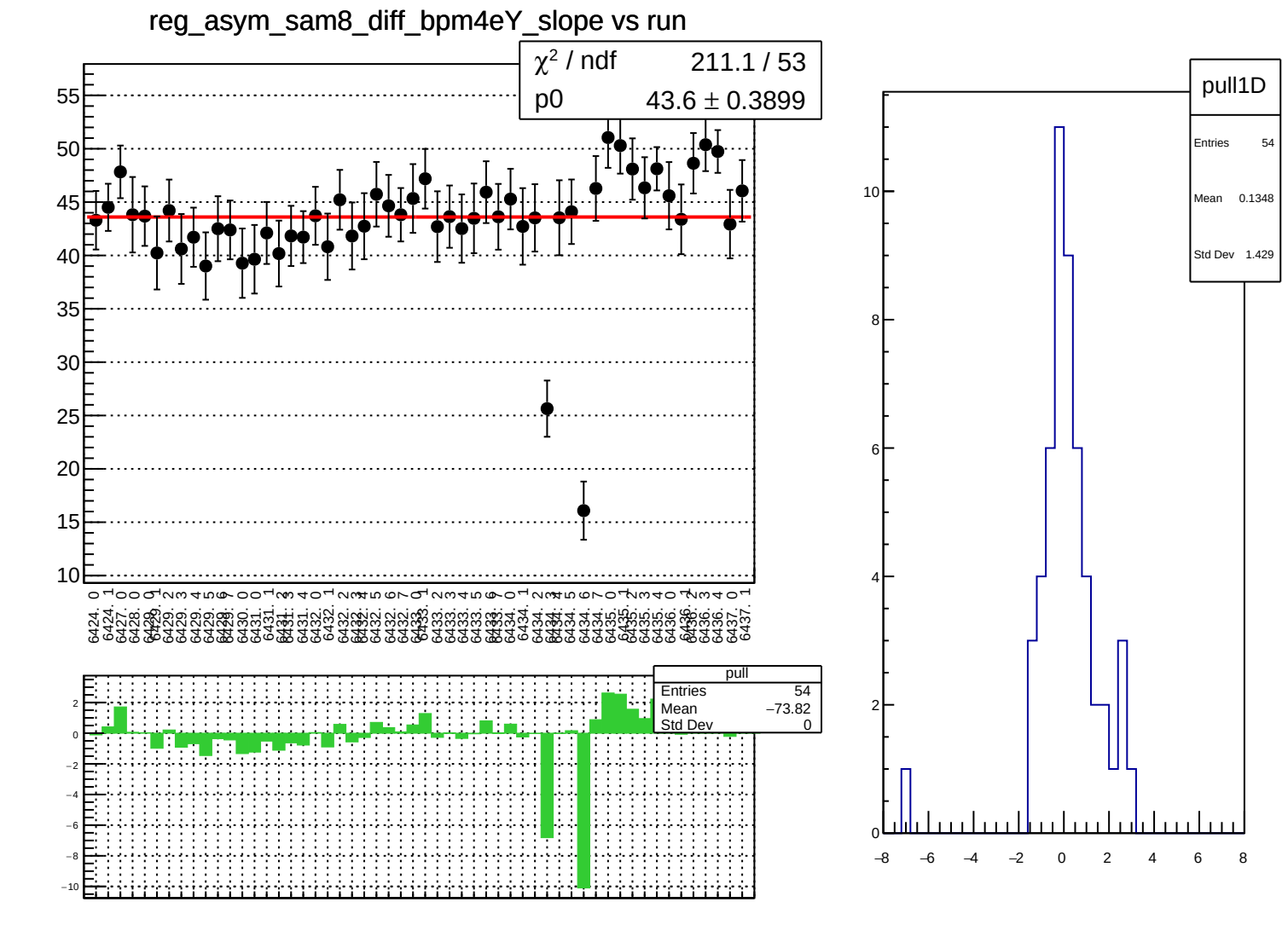

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 257.4 / 53
p0 9.851 ± 0.3784
pull
Entries 54
Mean 77.15
Std Dev 0

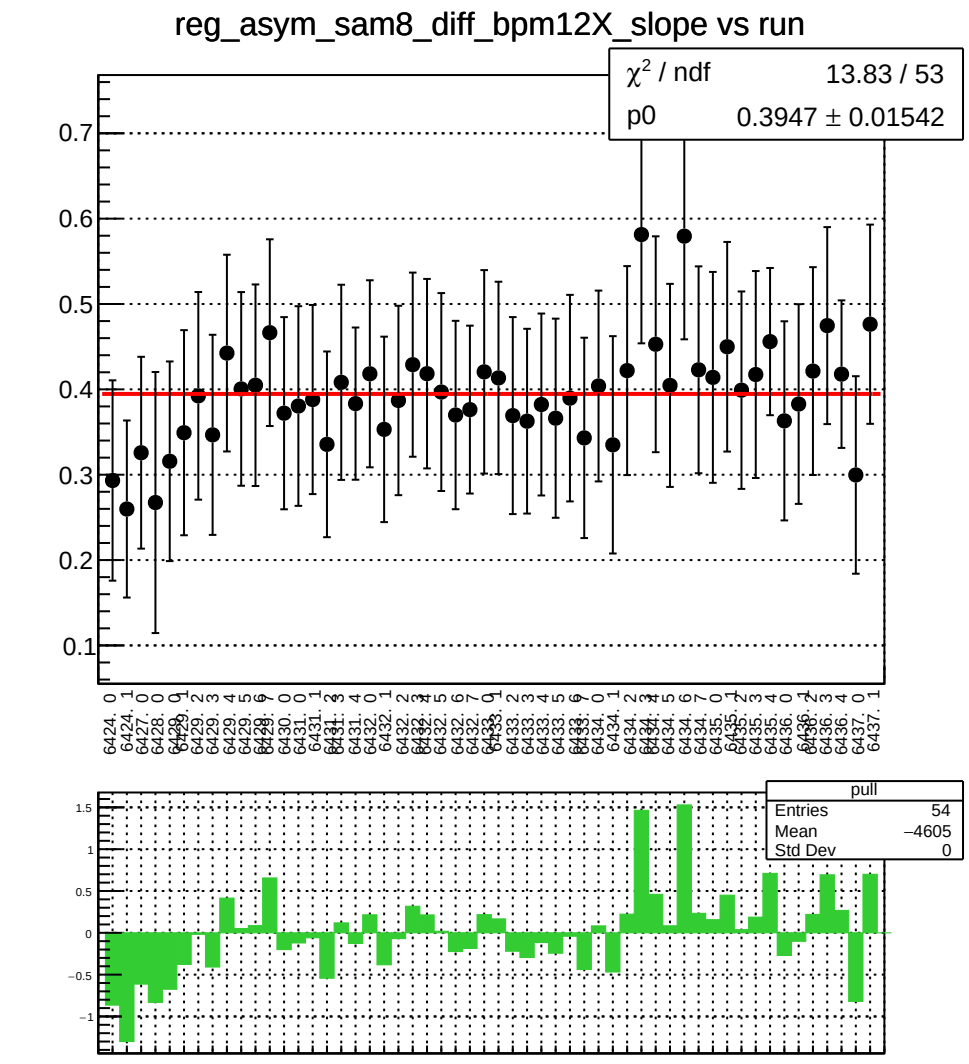

pull1D
Entries 54
Mean 0.4747
Std Dev 0.8519

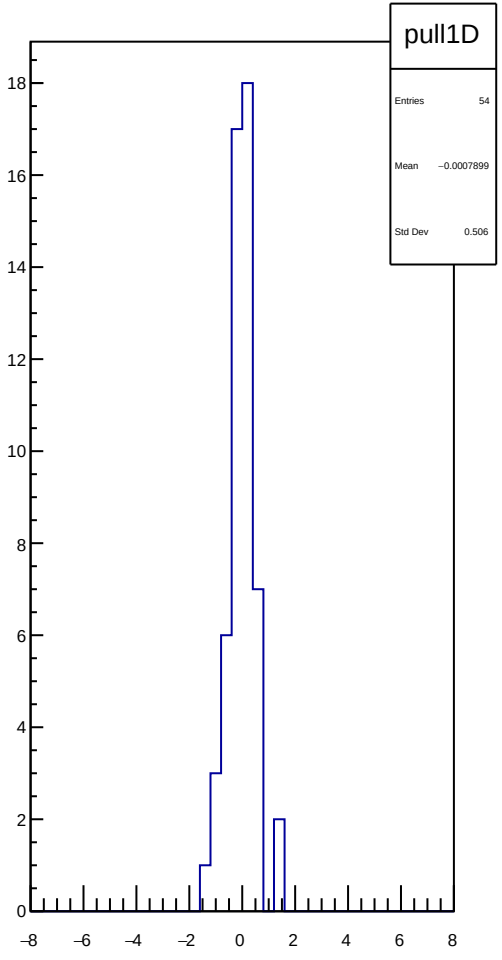

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 243.8 / 53
p0 −36.46 ± 0.3829
pull
Entries 54
Mean −15.82
Std Dev 0

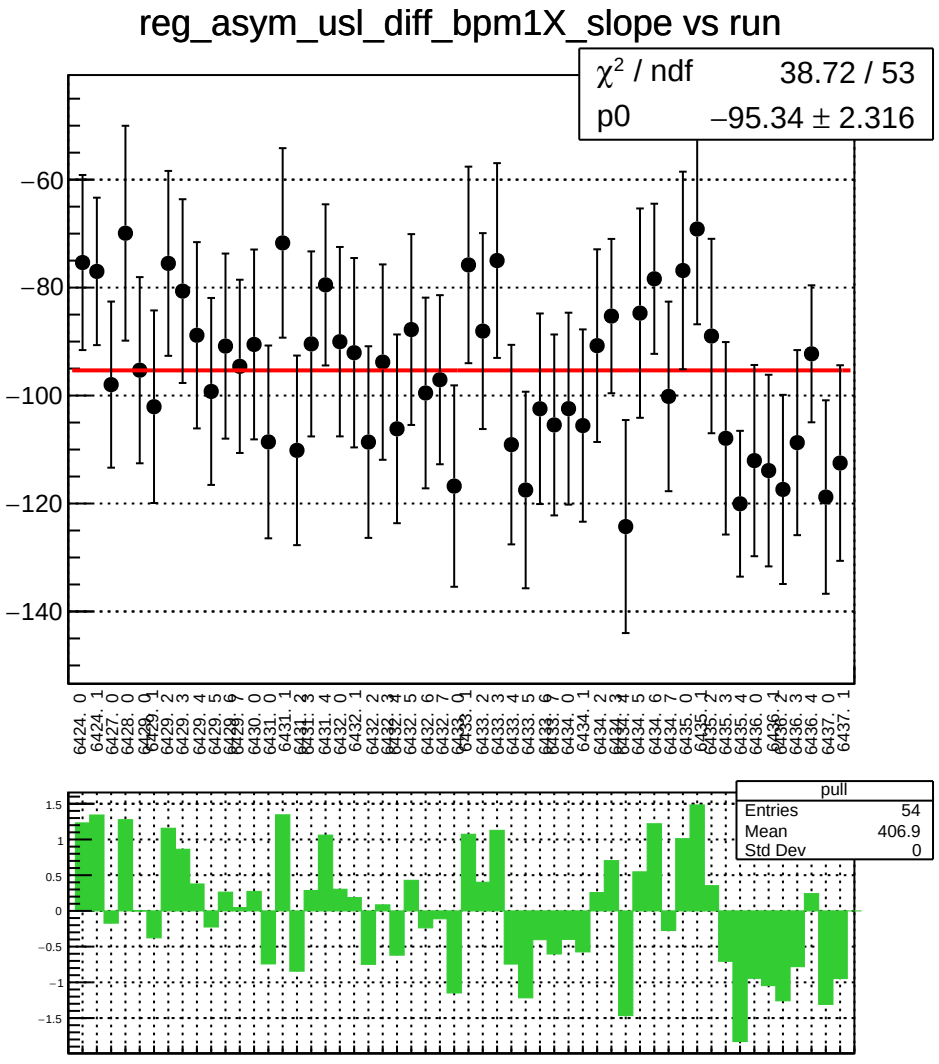

pull1D
Entries 54
Mean −0.08016
Std Dev 1.591

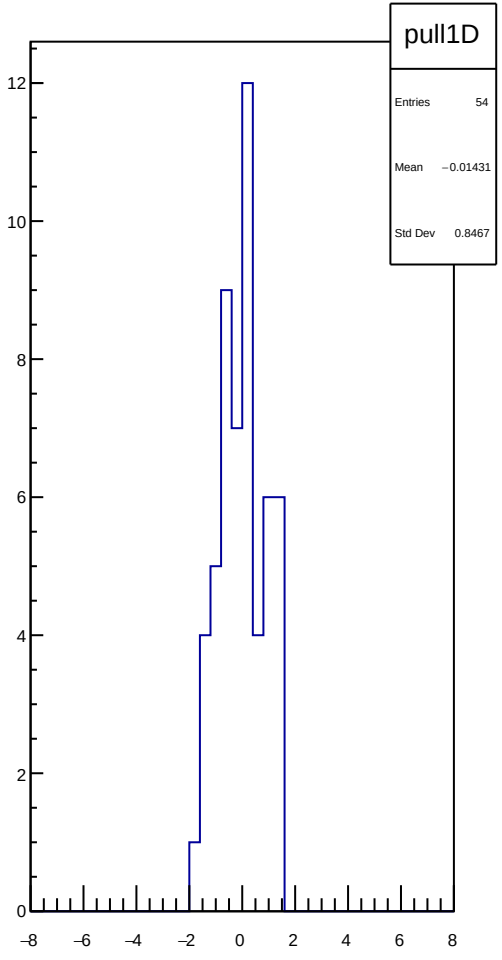

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 242.4 / 53
p0 −39.72 ± 0.3956
pull
Entries 54
Mean 102.2
Std Dev 0
pull1D
Entries 54
Mean −0.4532
Std Dev 0.9952

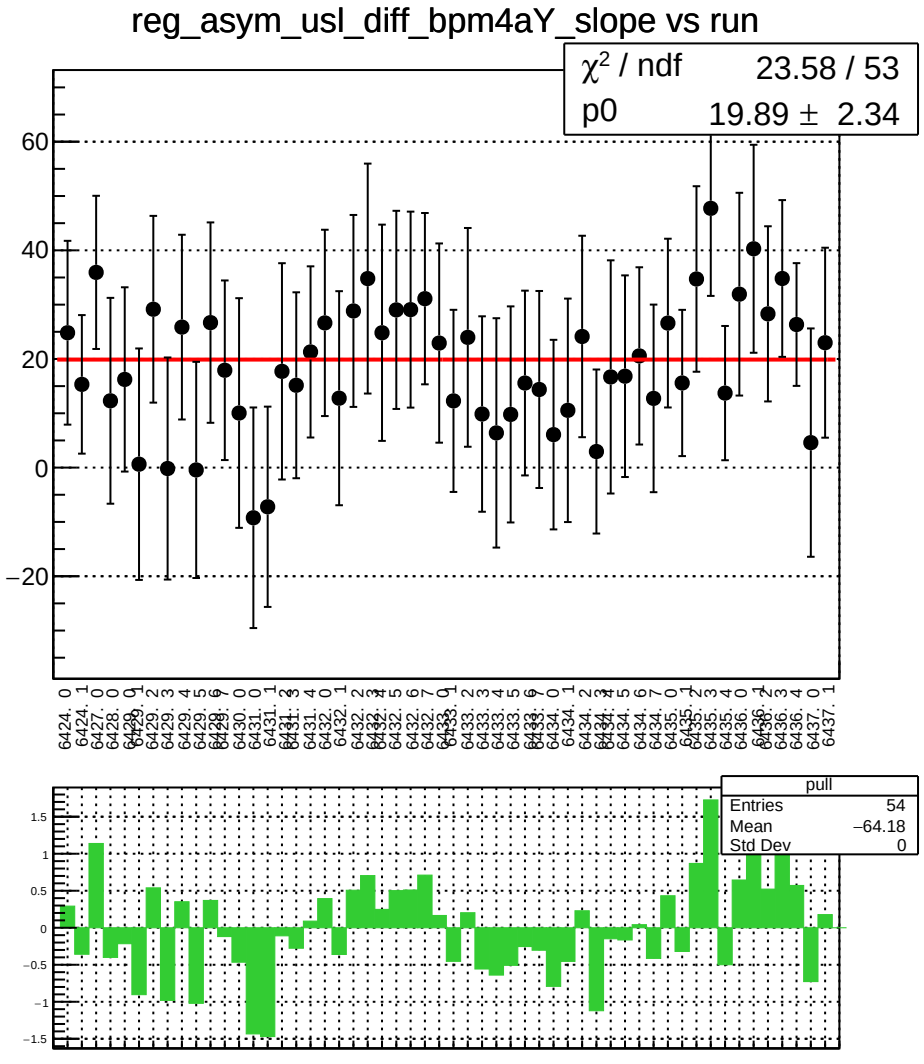

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 211.1 / 53
p0 43.6 ± 0.3899
pull
Entries 54
Mean −73.82
Std Dev 0
pull1D
Entries 54
Mean 0.1348
Std Dev 1.429

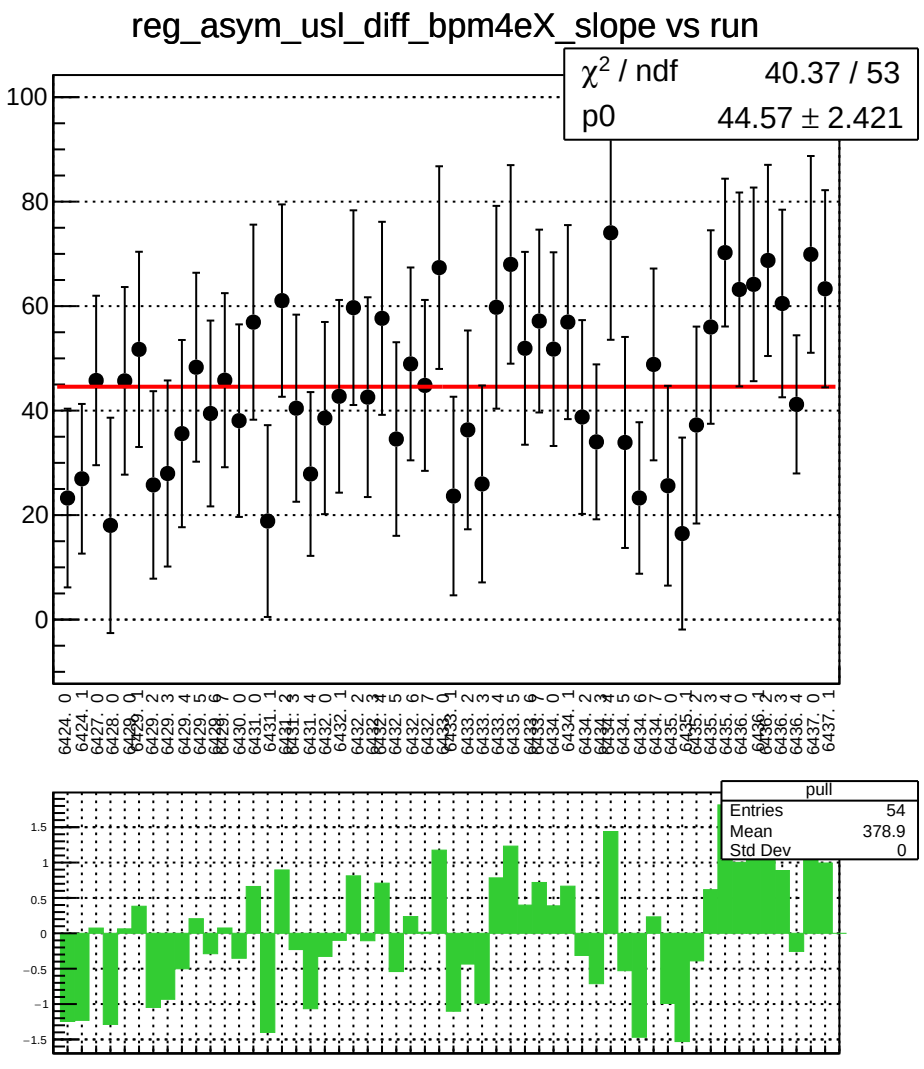

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 13.83 / 53
p0 0.3947 ± 0.01542
pull
Entries 54
Mean −4605
Std Dev 0

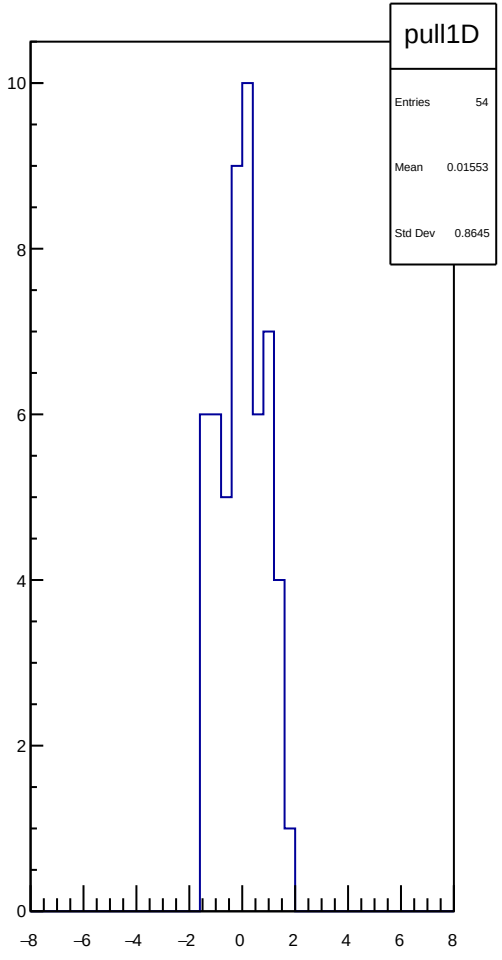

pull1D
Entries 54
Mean −0.0007899
Std Dev 0.506

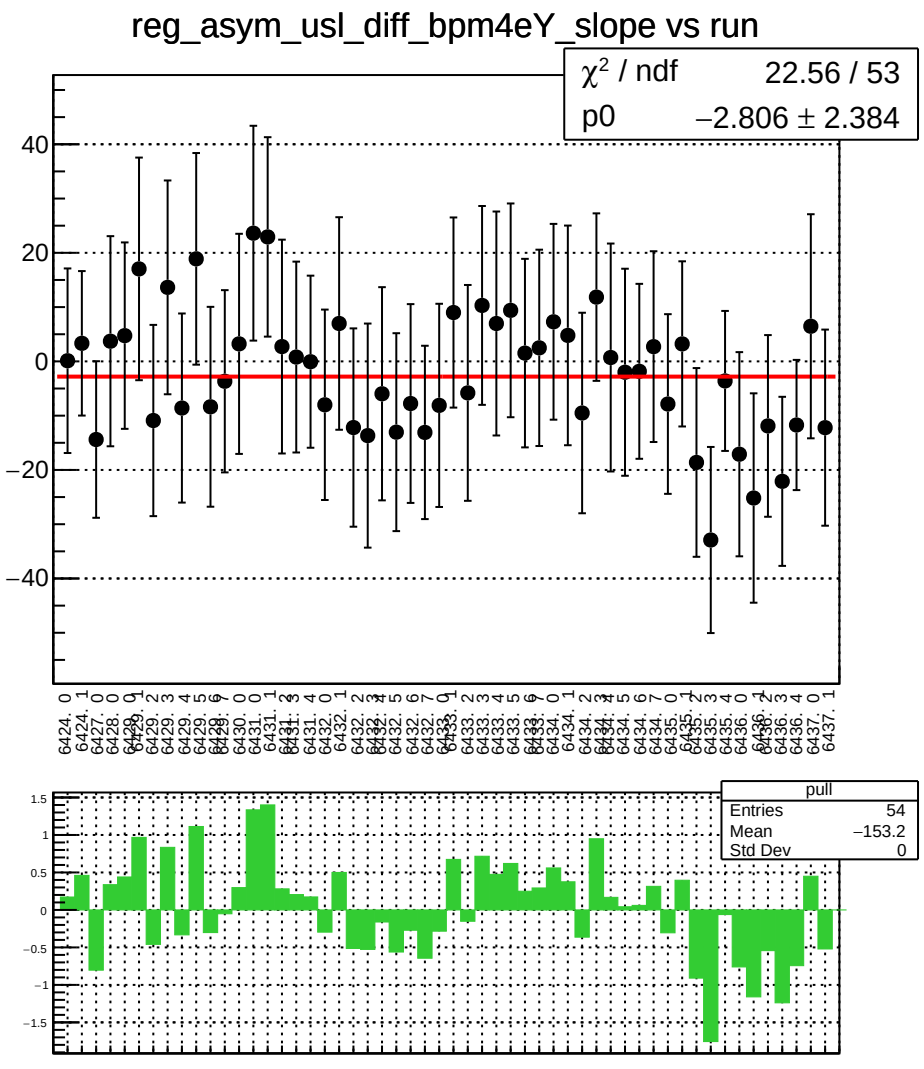

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 38.72 / 53
p0 −95.34 ± 2.316
pull
Entries 54
Mean 406.9
Std Dev 0

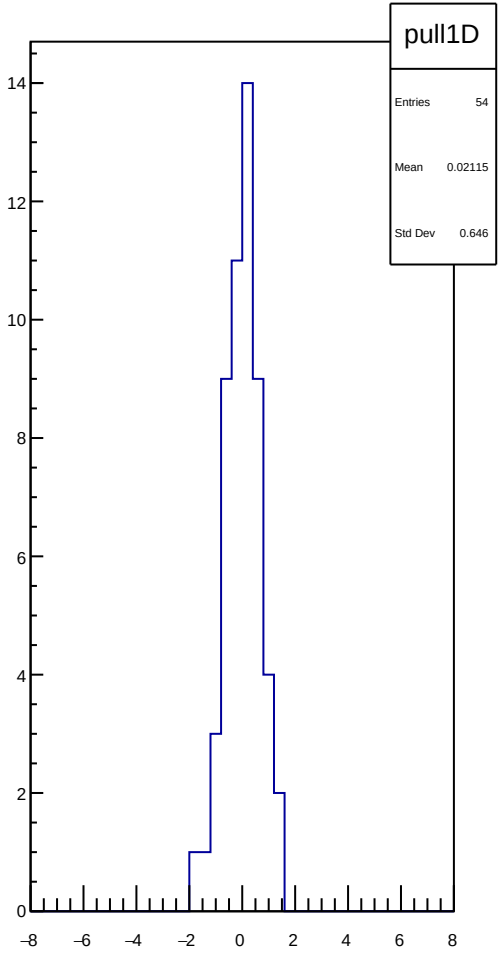

pull1D
Entries 54
Mean −0.01431
Std Dev 0.8467

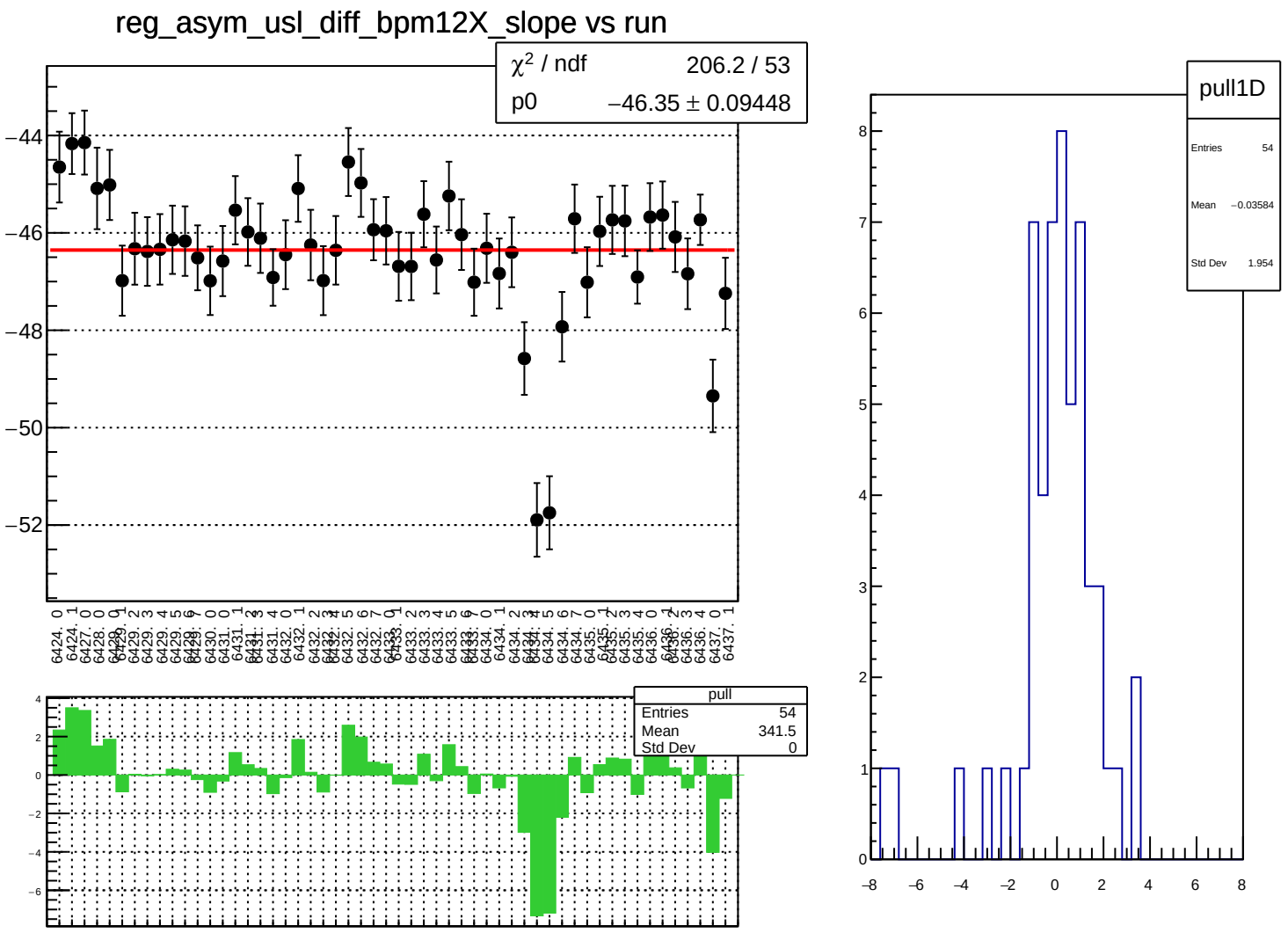

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.58 / 53
p0 19.89 ± 2.34
pull
Entries 54
Mean −64.18
Std Dev 0
pull1D
Entries 54
Mean −0.0265
Std Dev 0.6603

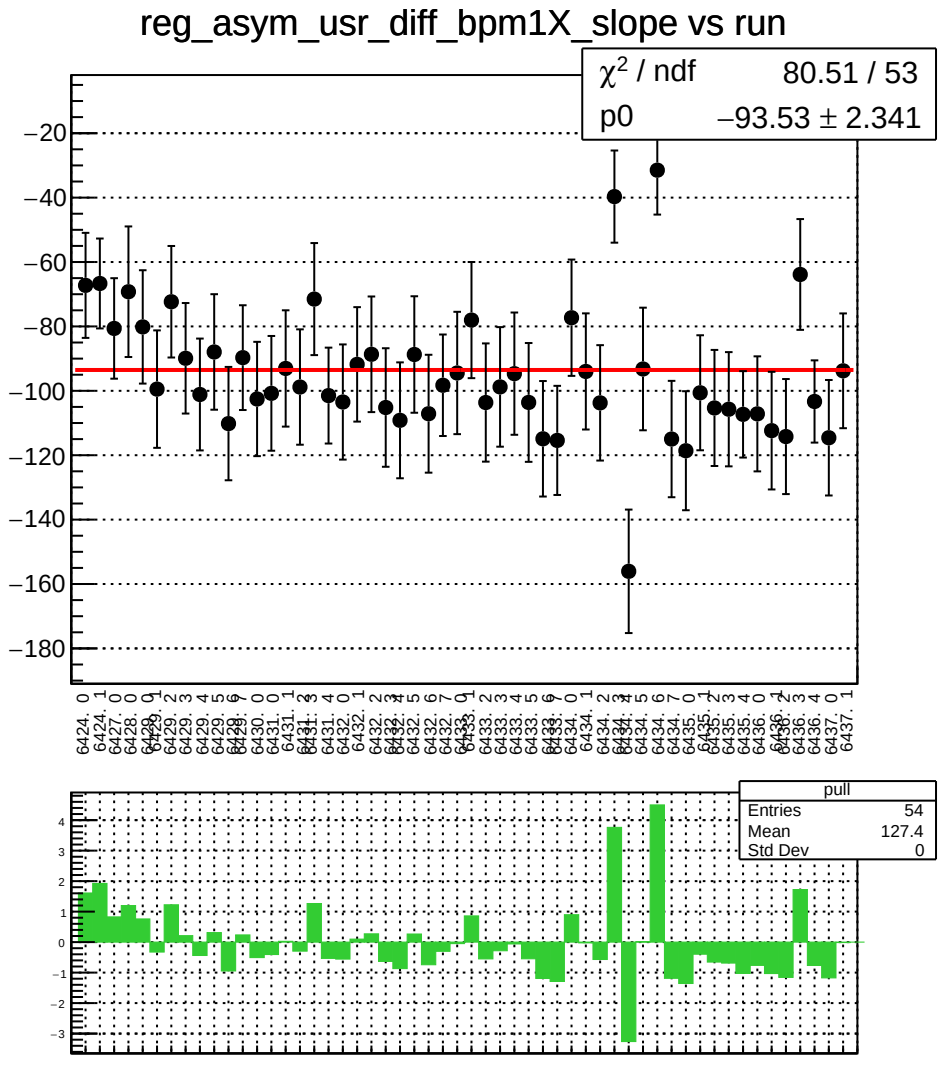

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 40.37 / 53
p0 44.57 ± 2.421
pull
Entries 54
Mean 378.9
Std Dev 0

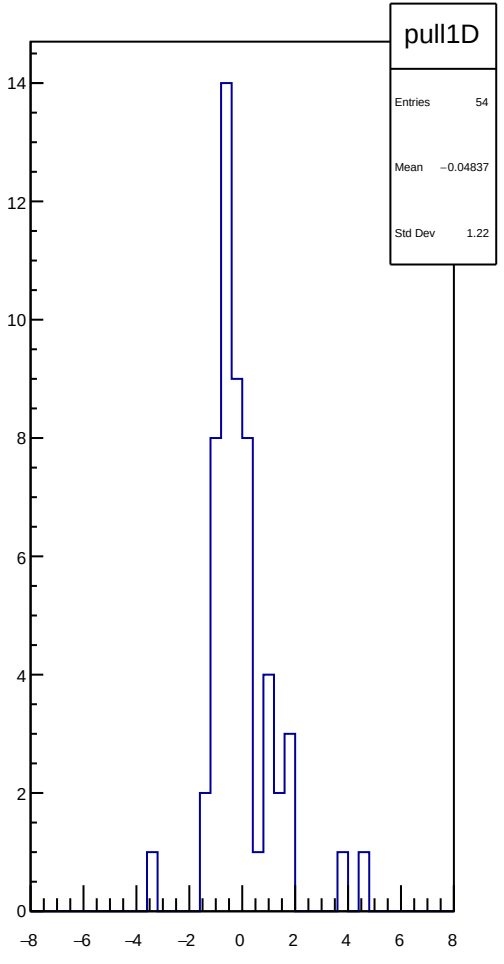

pull1D
Entries 54
Mean 0.01553
Std Dev 0.8645

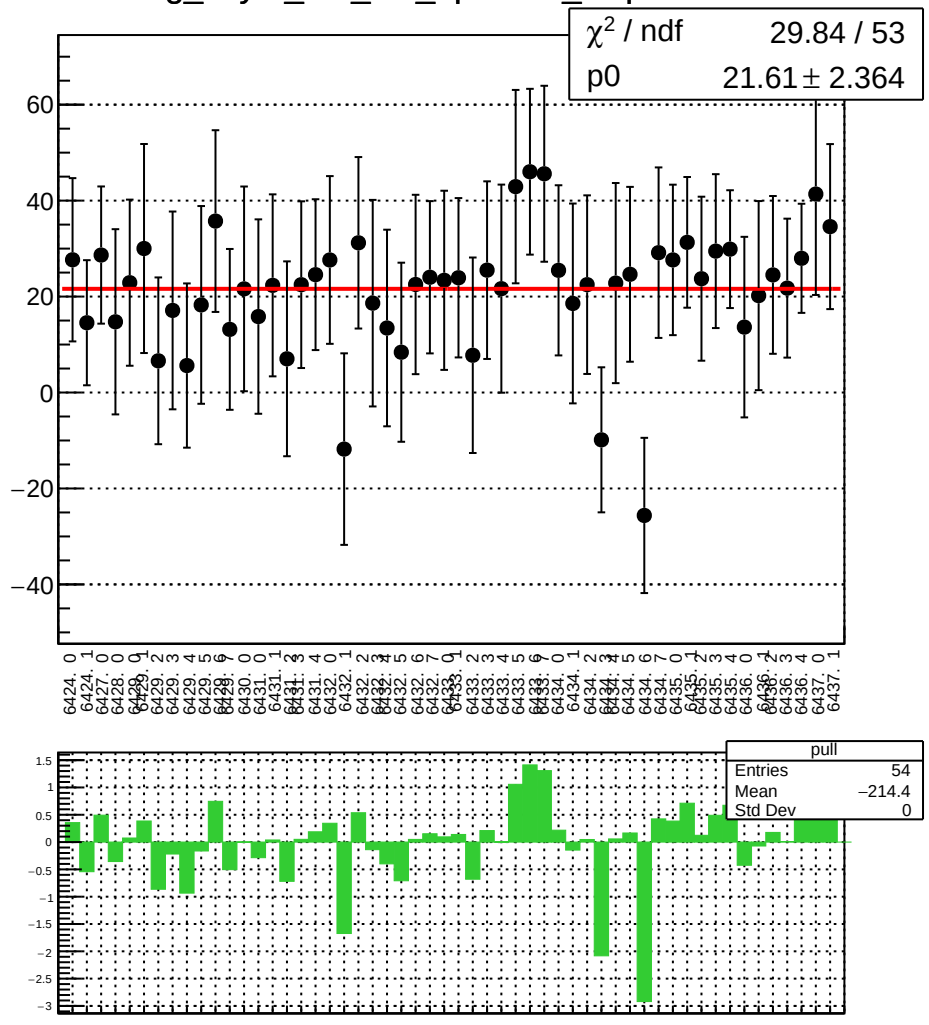

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 22.56 / 53
p0 −2.806 ± 2.384
pull
Entries 54
Mean −153.2
Std Dev 0

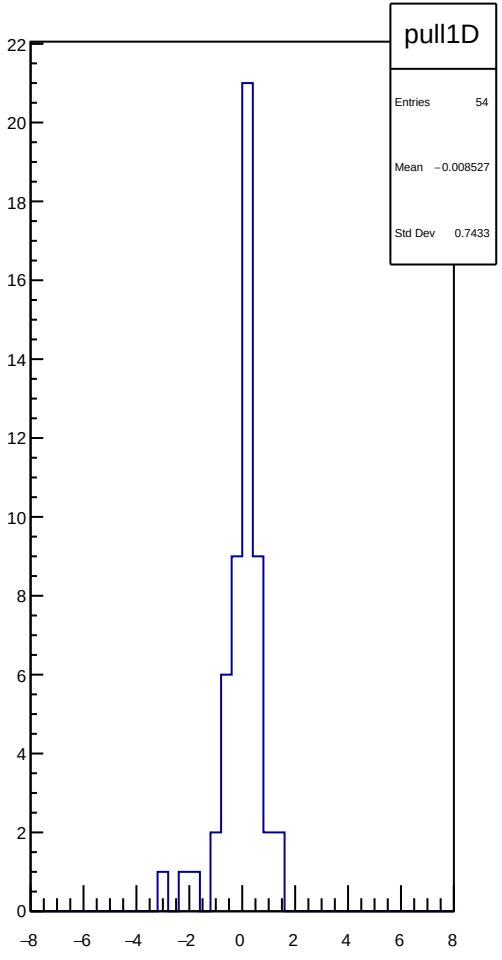

pull1D
Entries 54
Mean 0.02115
Std Dev 0.646

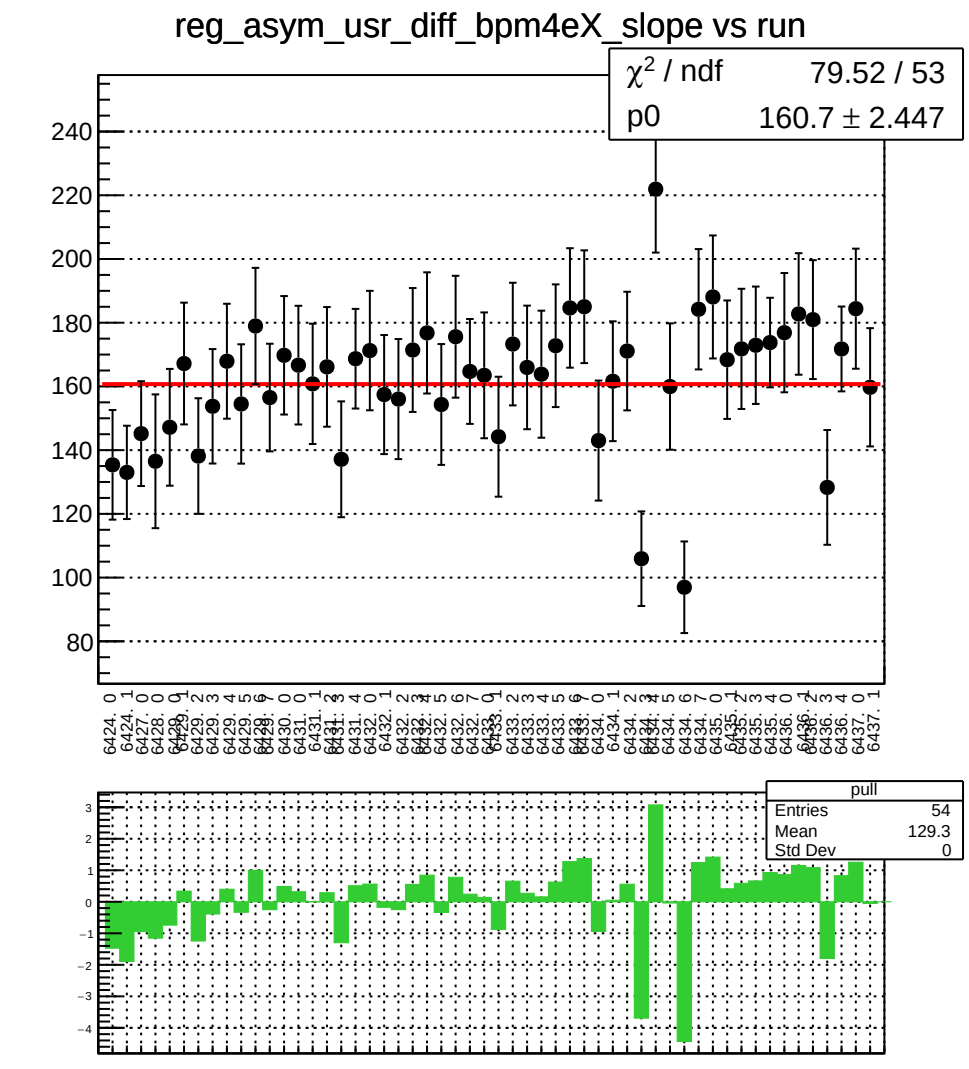

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 206.2 / 53
p0 −46.35 ± 0.09448
pull
Entries 54
Mean 341.5
Std Dev 0
pull1D
Entries 54
Mean −0.03584
Std Dev 1.954

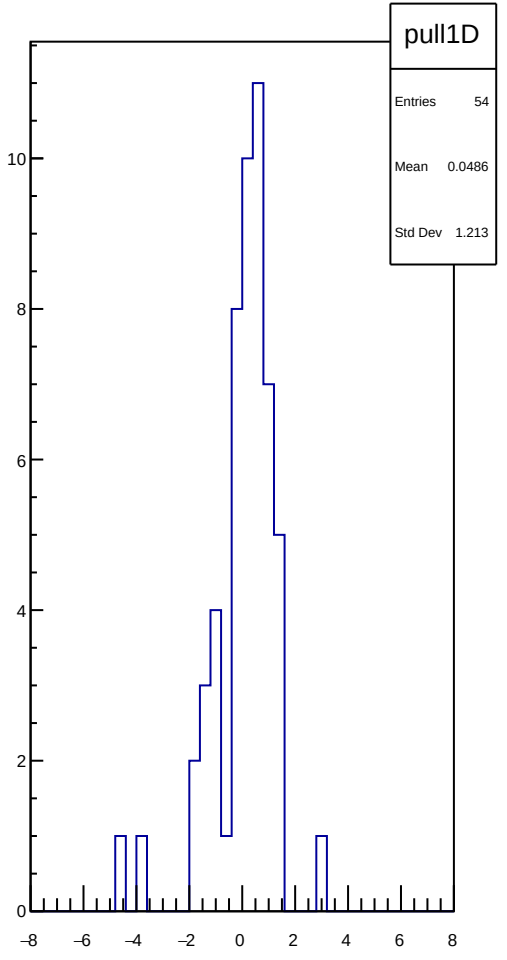

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 80.51 / 53
p0 −93.53 ± 2.341
pull
Entries 54
Mean 127.4
Std Dev 0

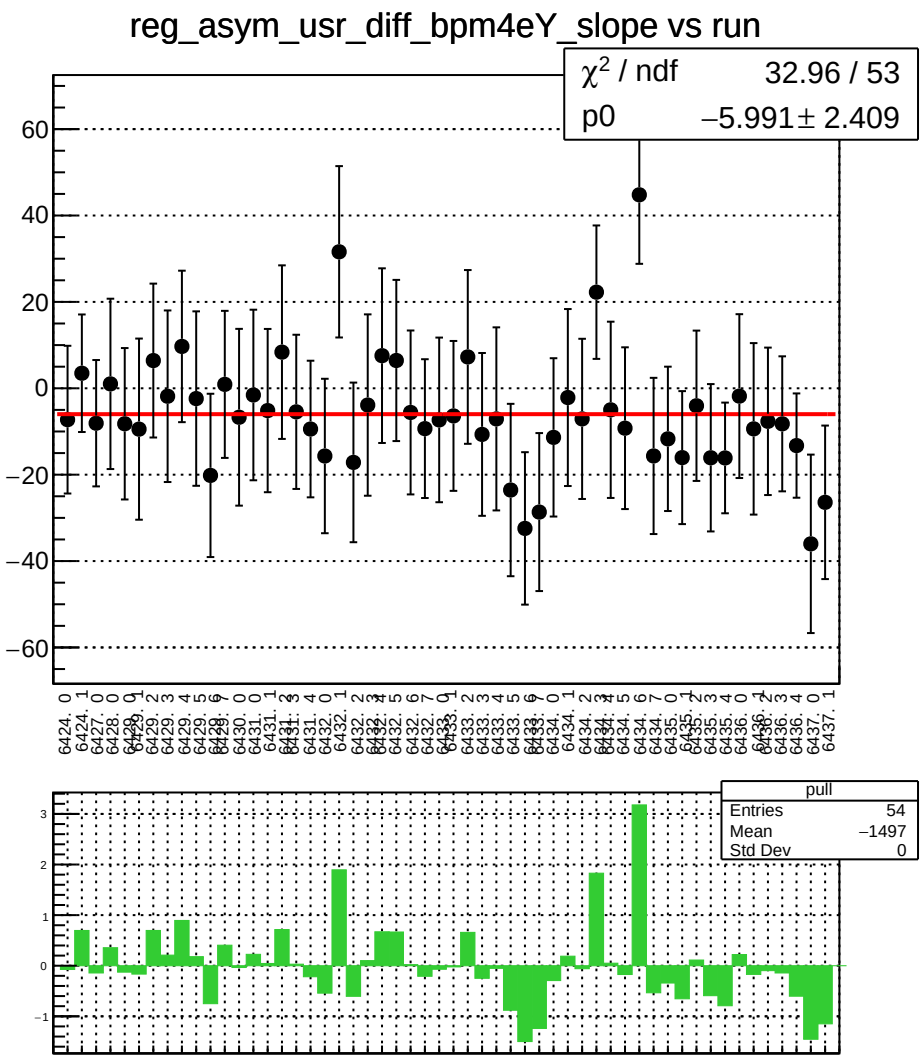

pull1D
Entries 54
Mean −0.04837
Std Dev 1.22

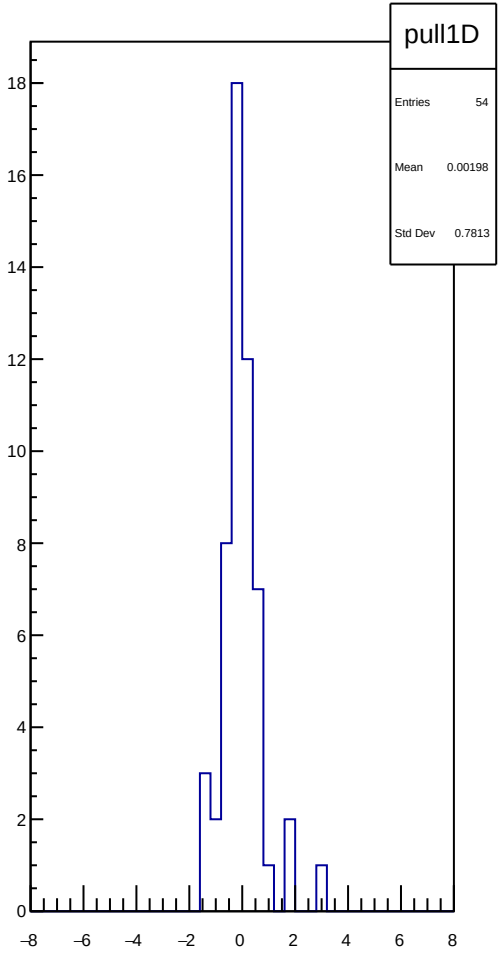

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 29.84 / 53
p0 21.61 ± 2.364
pull
Entries 54
Mean −214.4
Std Dev 0

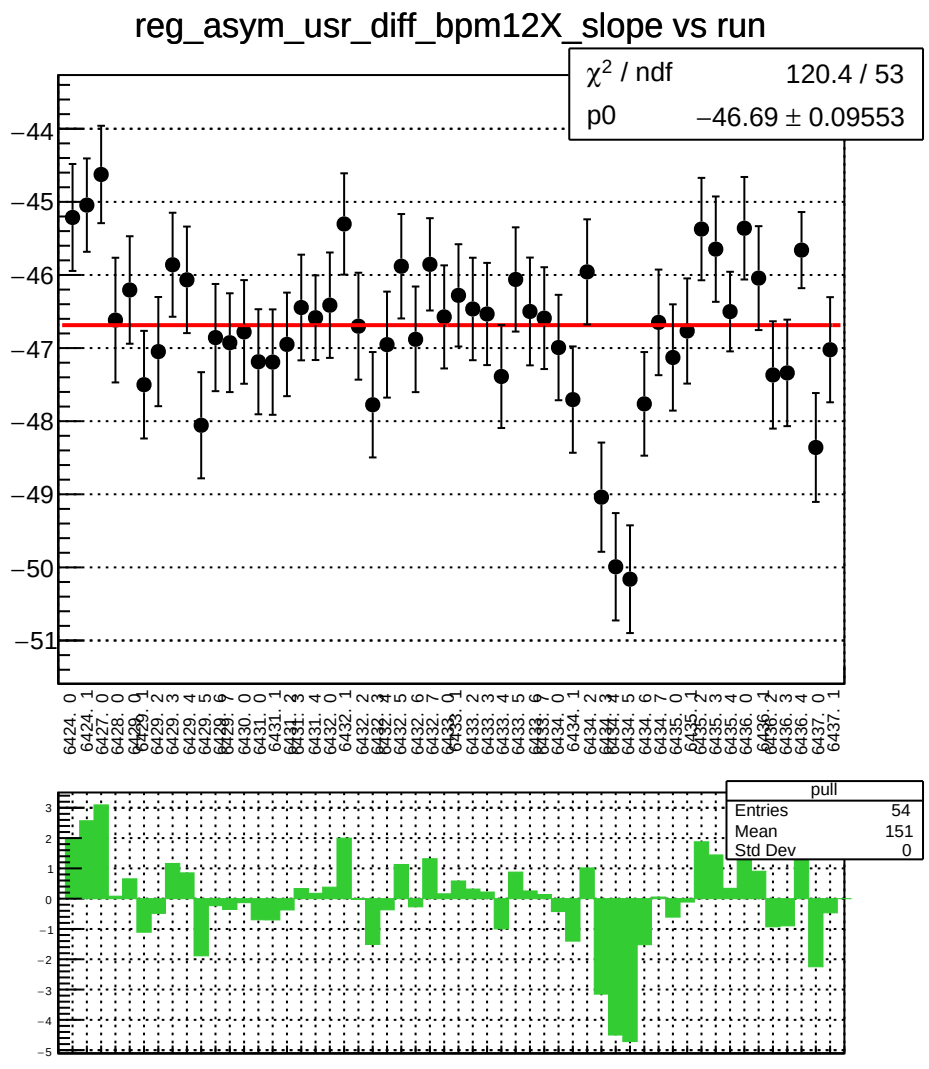

pull1D
Entries 54
Mean −0.008527
Std Dev 0.7433

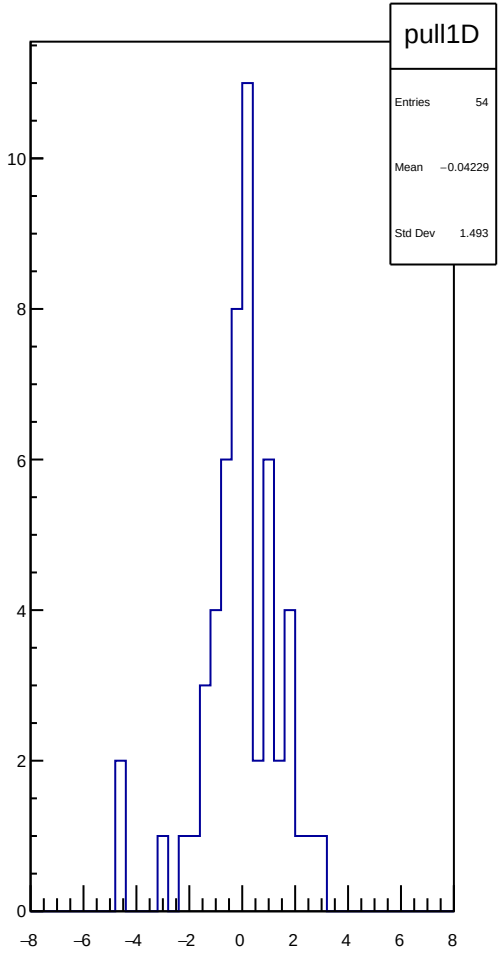

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 79.52 / 53
p0 160.7 ± 2.447
240
220
200
180
160
140
120
100
80
pull
Entries 54
Mean 129.3
Std Dev 0
3
2
1
0
−1
−2
−3
−4

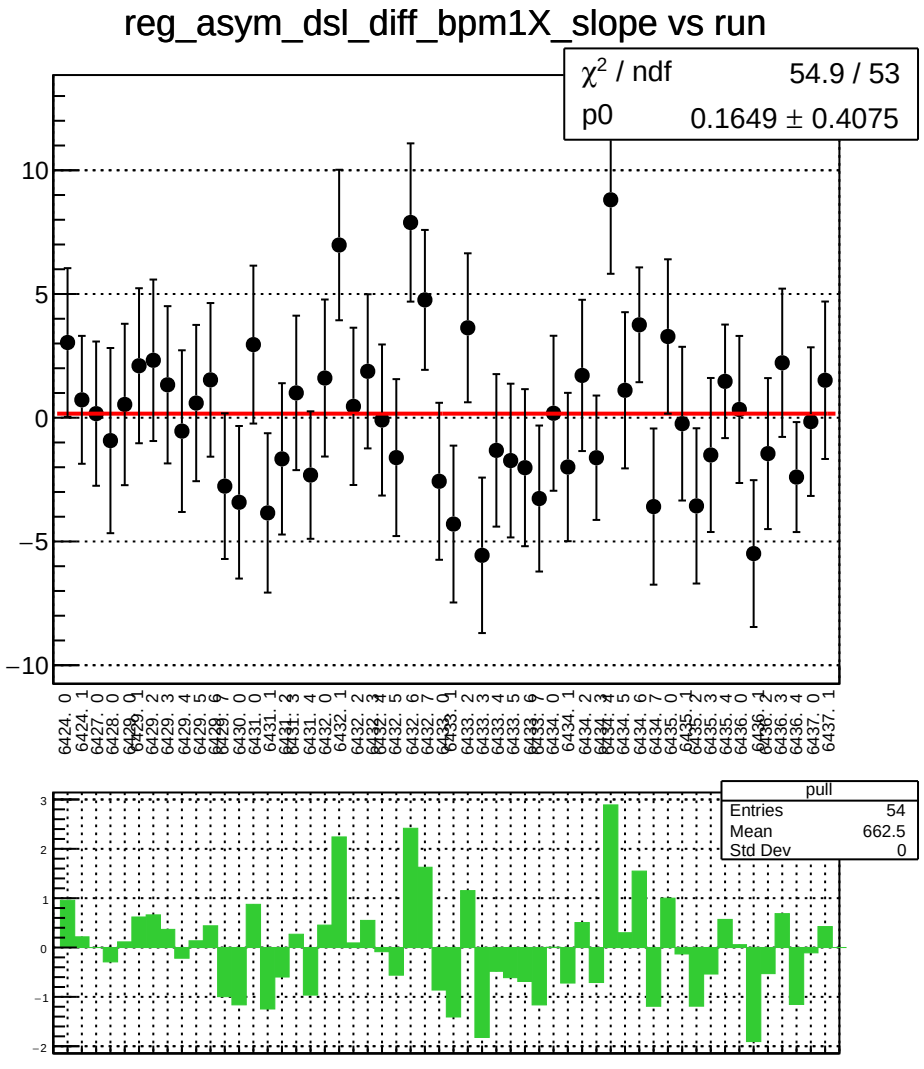

pull1D
Entries 54
Mean 0.0486
Std Dev 1.213
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

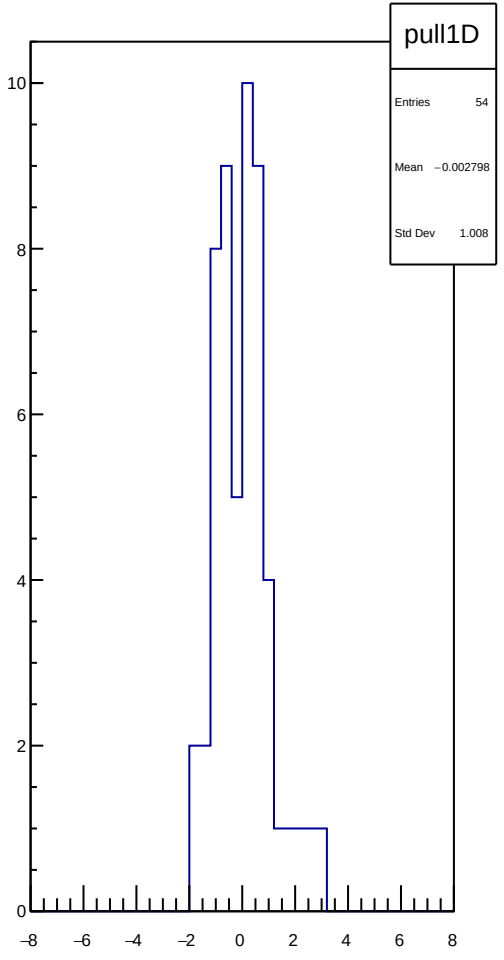

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 32.96 / 53
p0 −5.991 ± 2.409
pull
Entries 54
Mean −1497
Std Dev 0

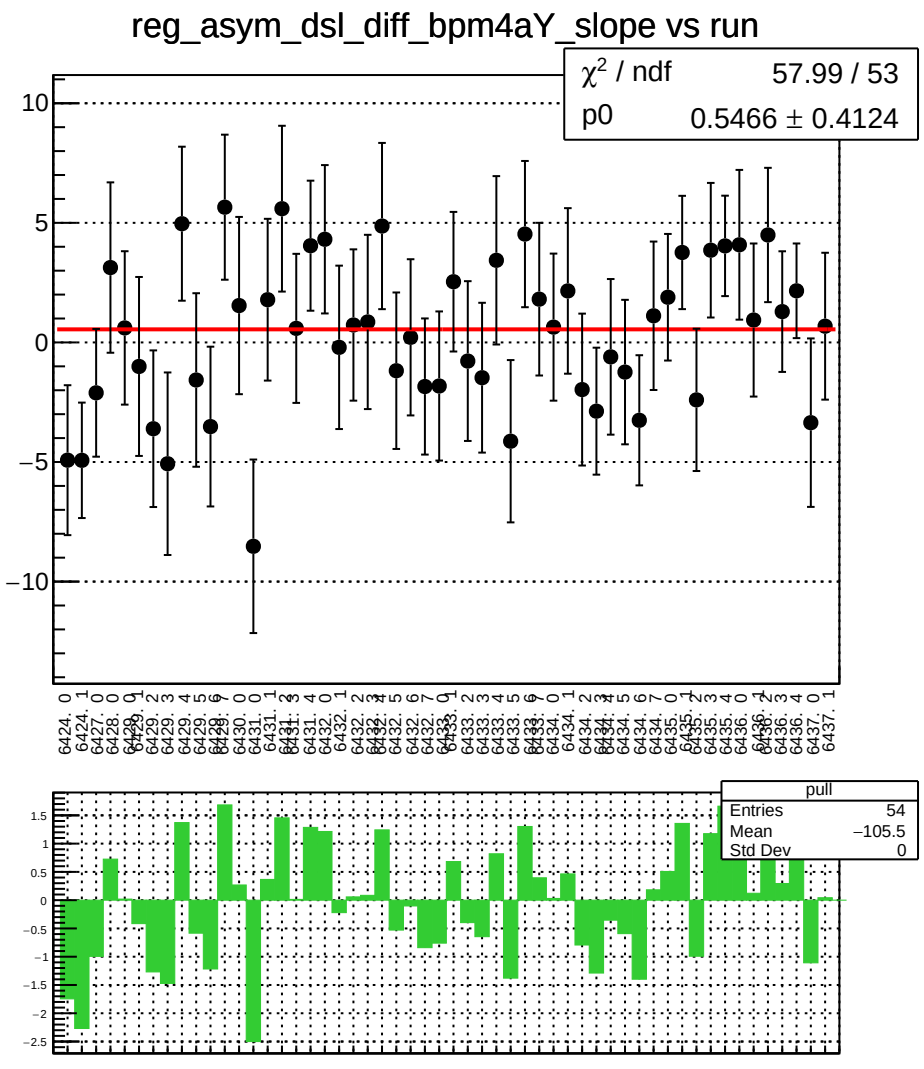

pull1D
Entries 54
Mean 0.00198
Std Dev 0.7813

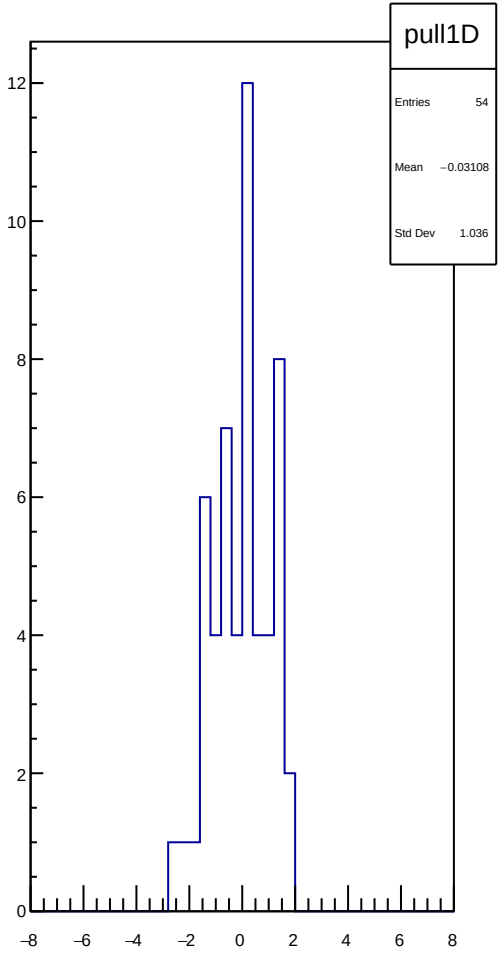

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 120.4 / 53
p0 −46.69 ± 0.09553
pull
Entries 54
Mean 151
Std Dev 0

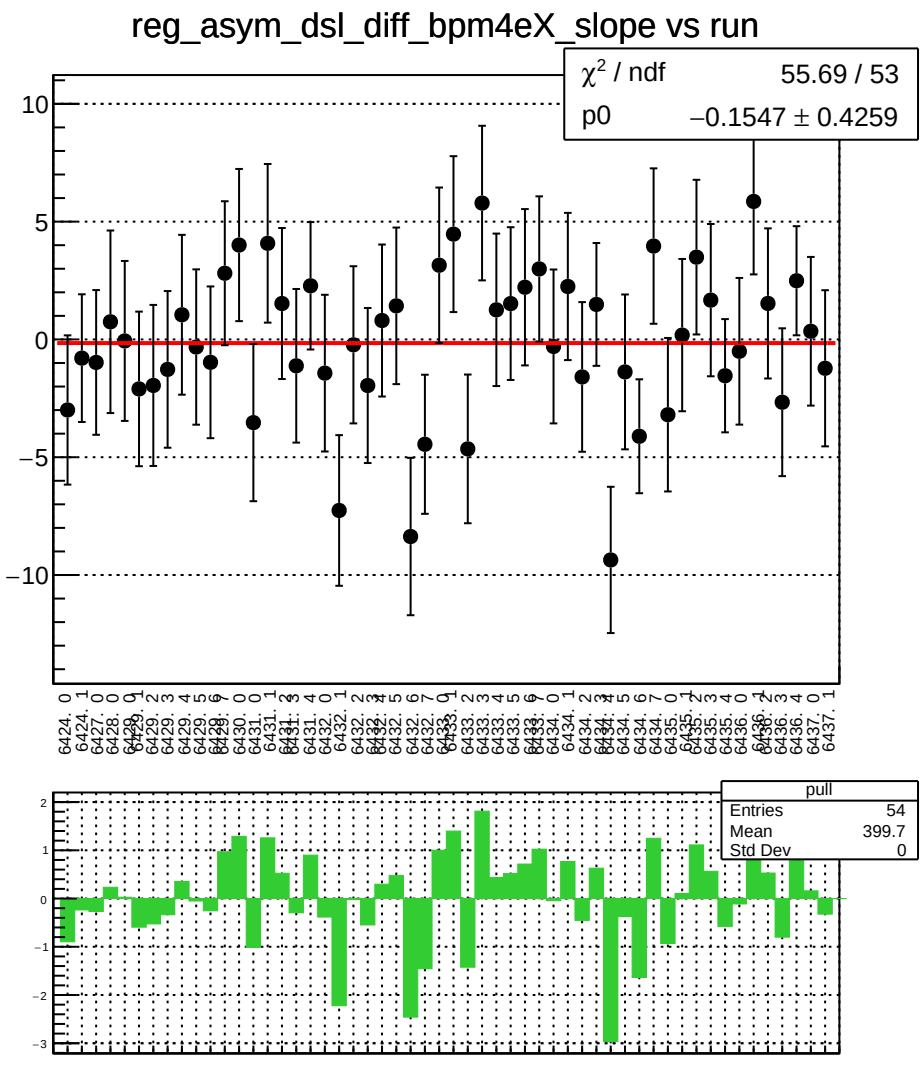

pull1D
Entries 54
Mean −0.04229
Std Dev 1.493

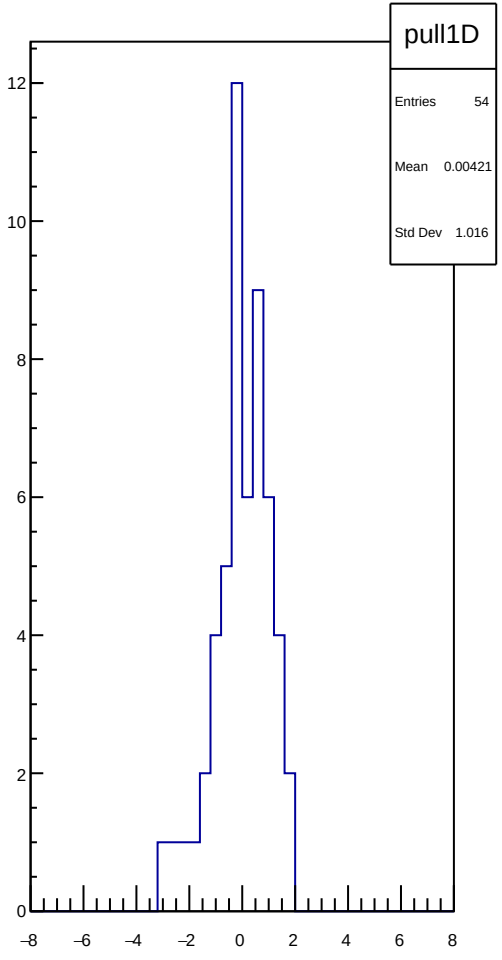

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 54.9 / 53
p0 0.1649 ± 0.4075
pull
Entries 54
Mean 662.5
Std Dev 0

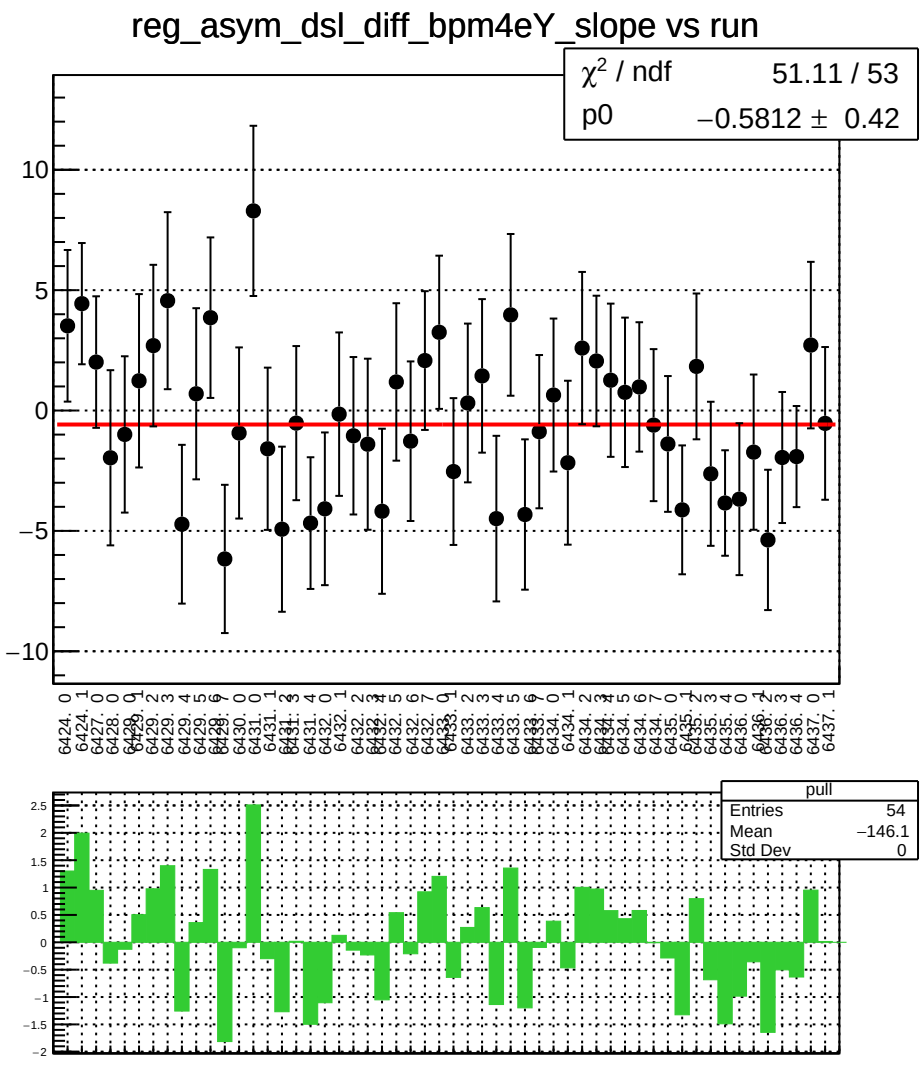

pull1D
Entries 54
Mean −0.002798
Std Dev 1.008

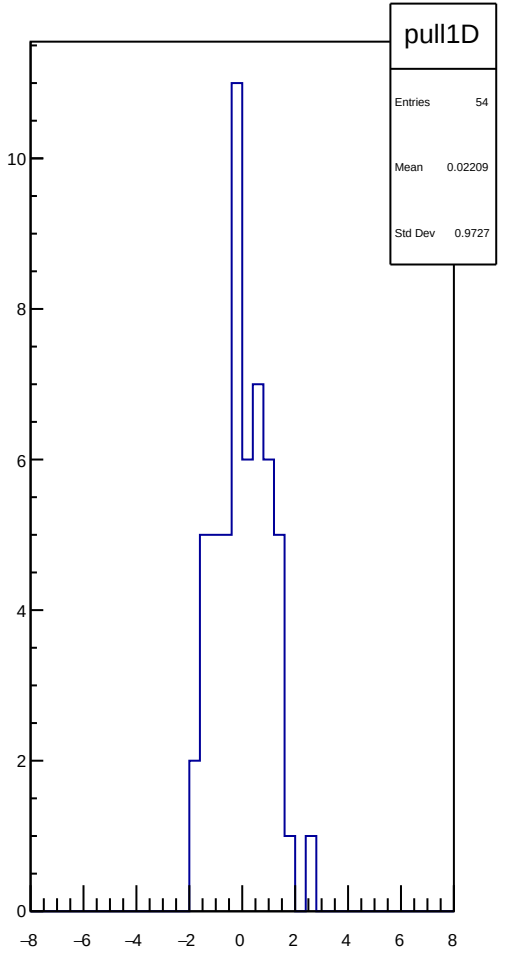

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 57.99 / 53
p0 0.5466 ± 0.4124
pull
Entries 54
Mean −105.5
Std Dev 0

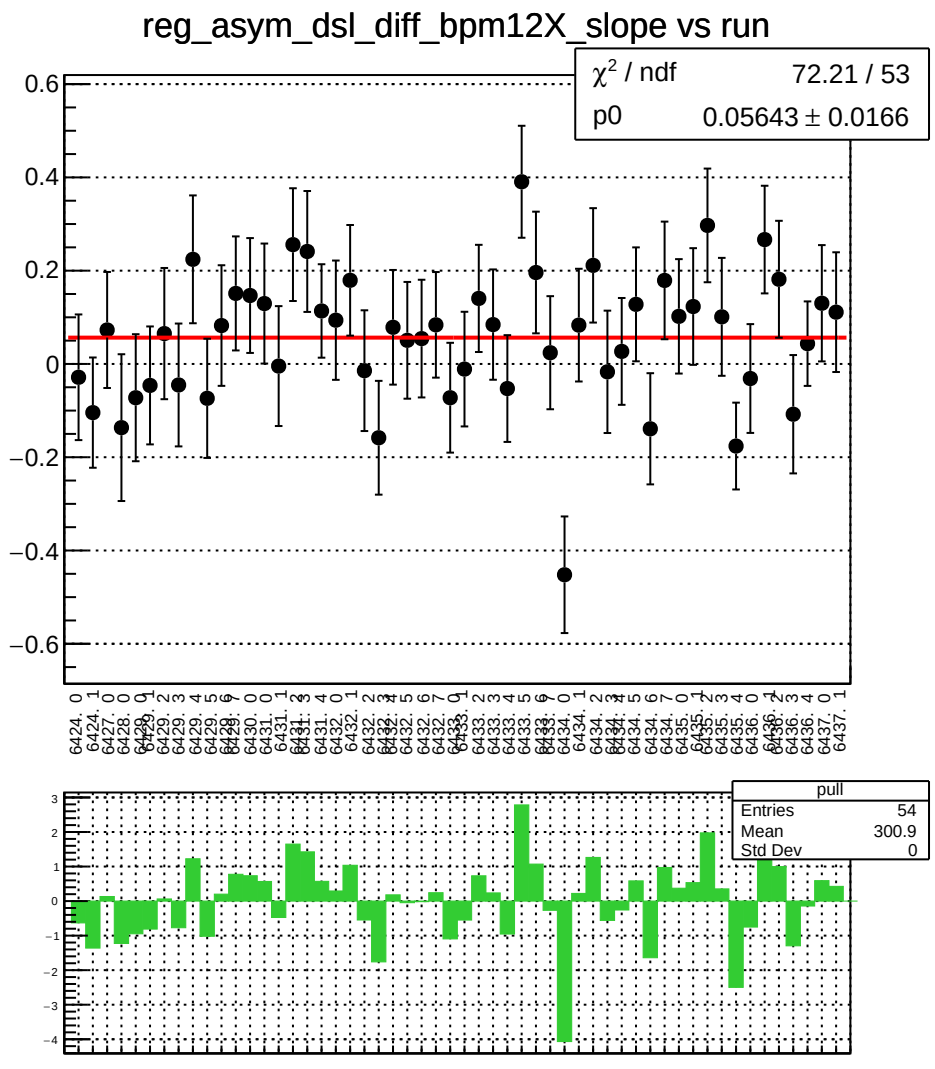

pull1D
Entries 54
Mean −0.03108
Std Dev 1.036

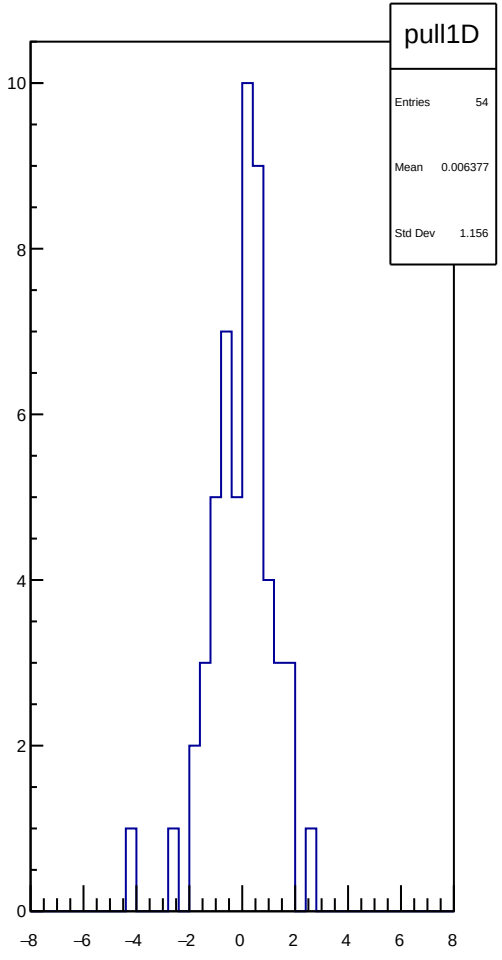

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 55.69 / 53
p0 −0.1547 ± 0.4259
pull
Entries 54
Mean 399.7
Std Dev 0

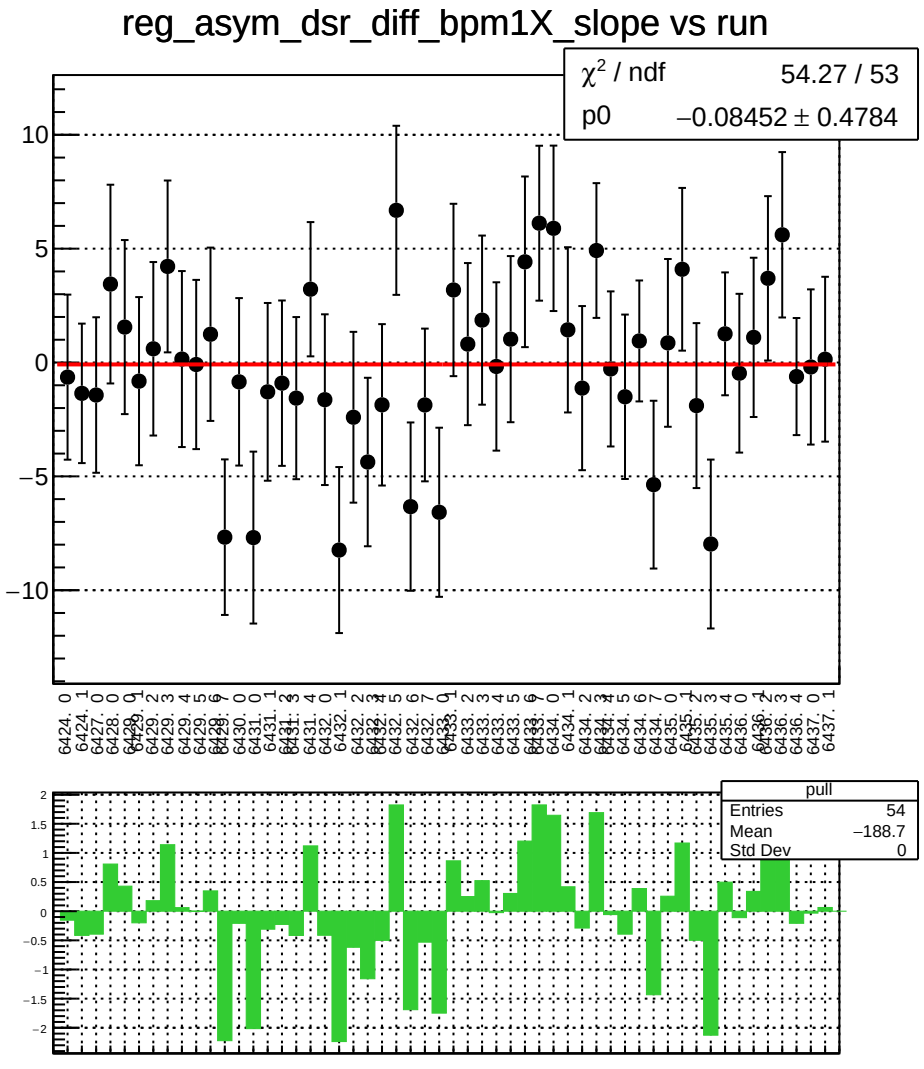

pull1D
Entries 54
Mean 0.00421
Std Dev 1.016

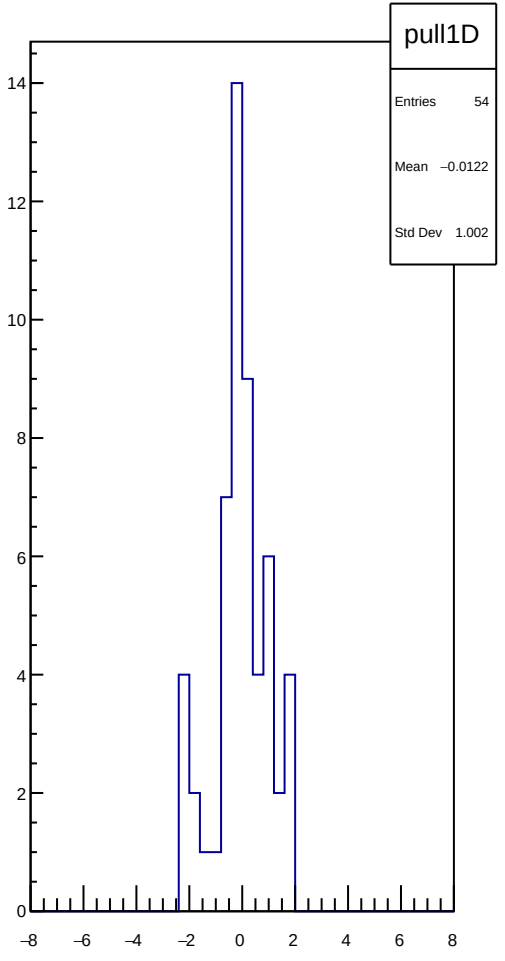

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 51.11 / 53
p0 −0.5812 ± 0.42
pull
Entries 54
Mean −146.1
Std Dev 0

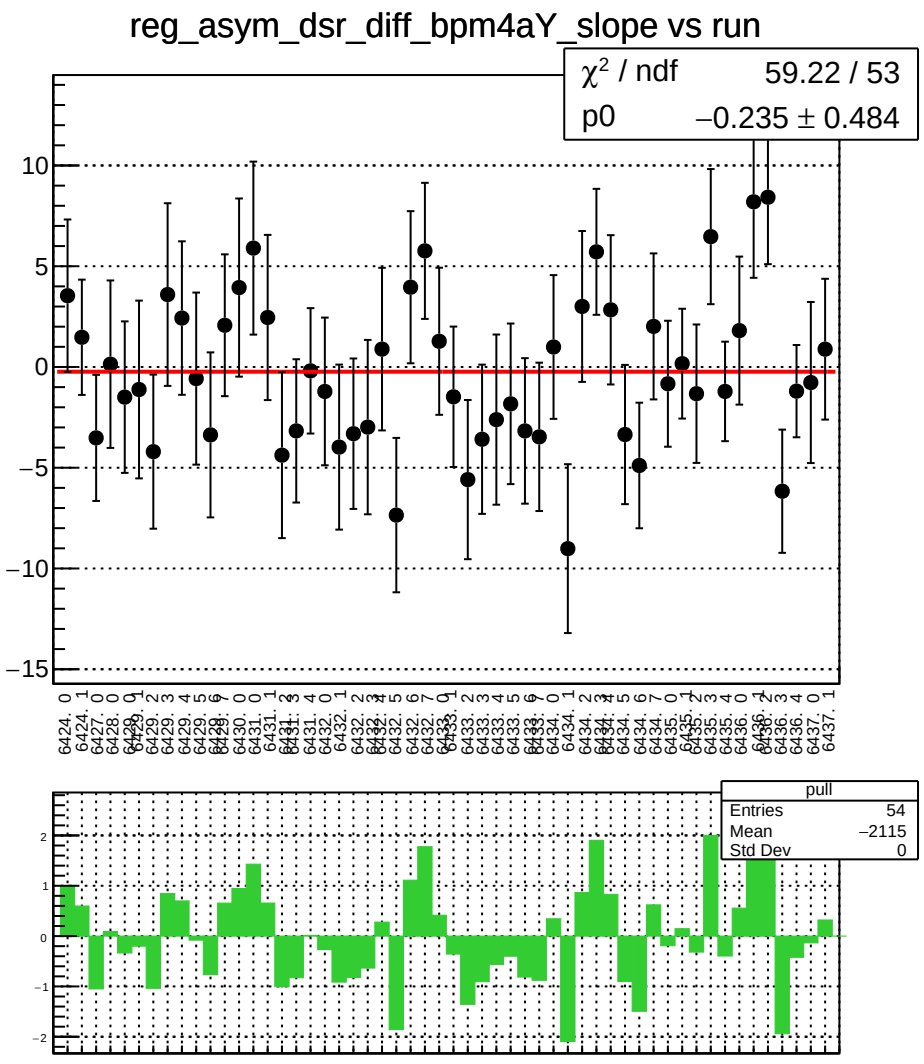

pull1D
Entries 54
Mean 0.02209
Std Dev 0.9727

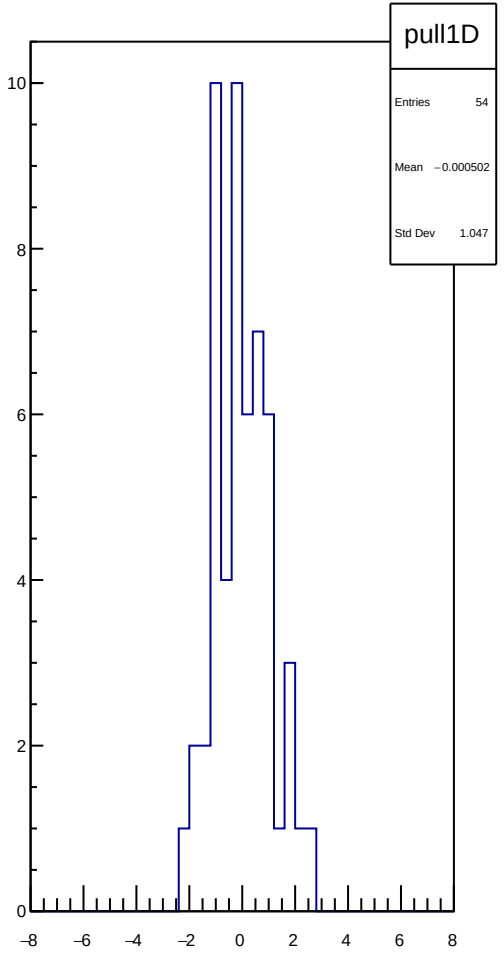

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 72.21 / 53
p0 0.05643 ± 0.0166
pull
Entries 54
Mean 300.9
Std Dev 0

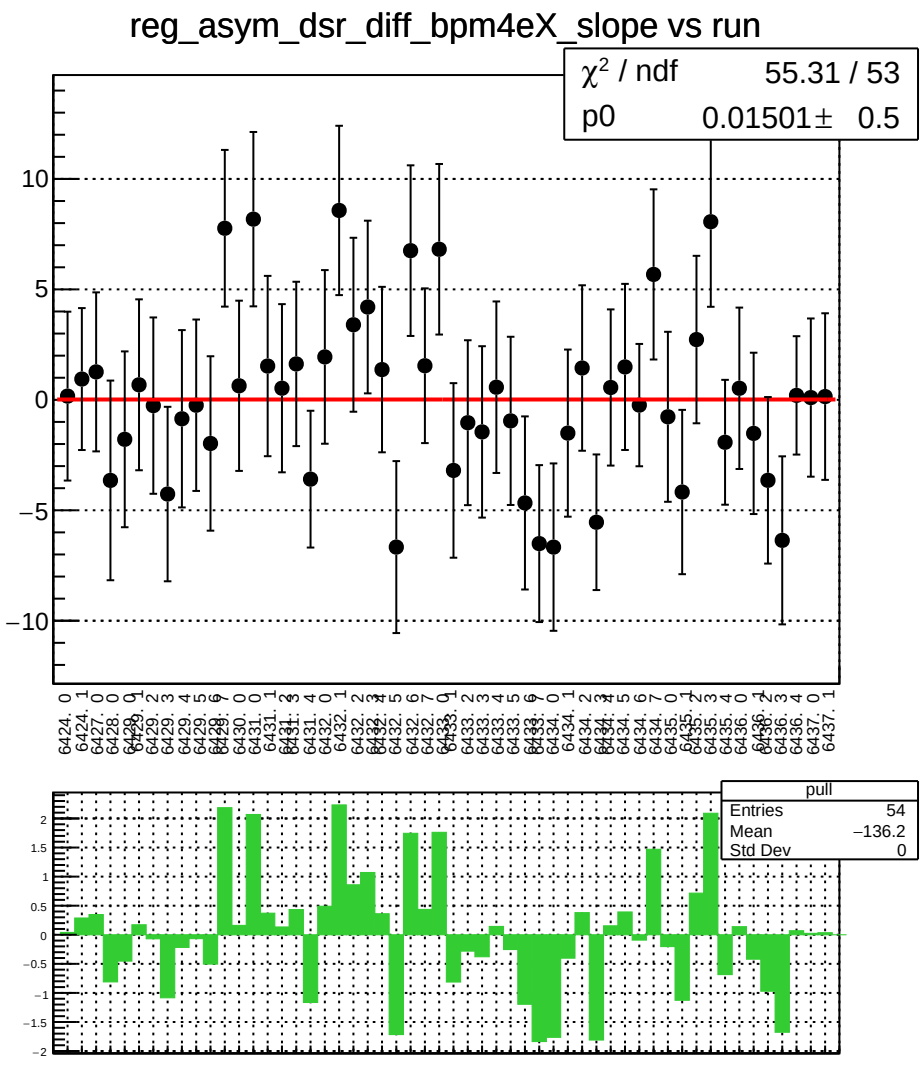

pull1D
Entries 54
Mean 0.006377
Std Dev 1.156

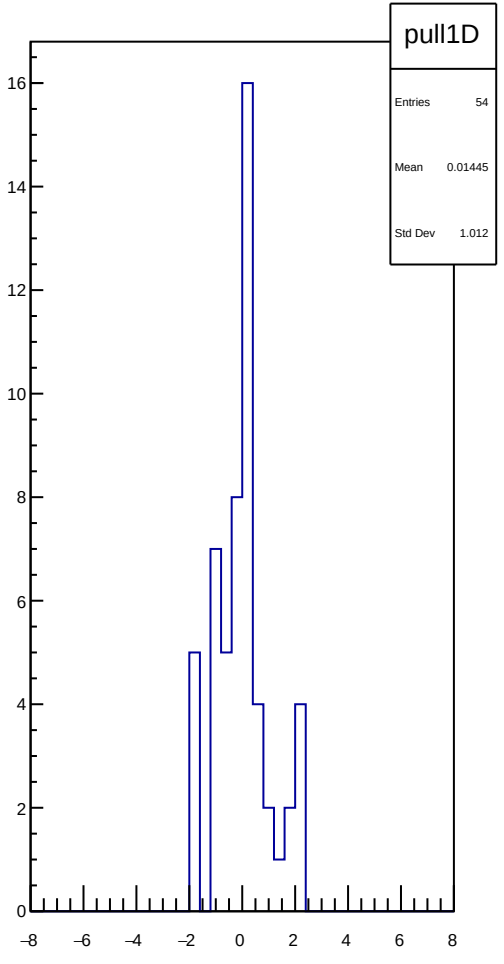

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 54.27 / 53
p0 −0.08452 ± 0.4784
pull
Entries 54
Mean −188.7
Std Dev 0

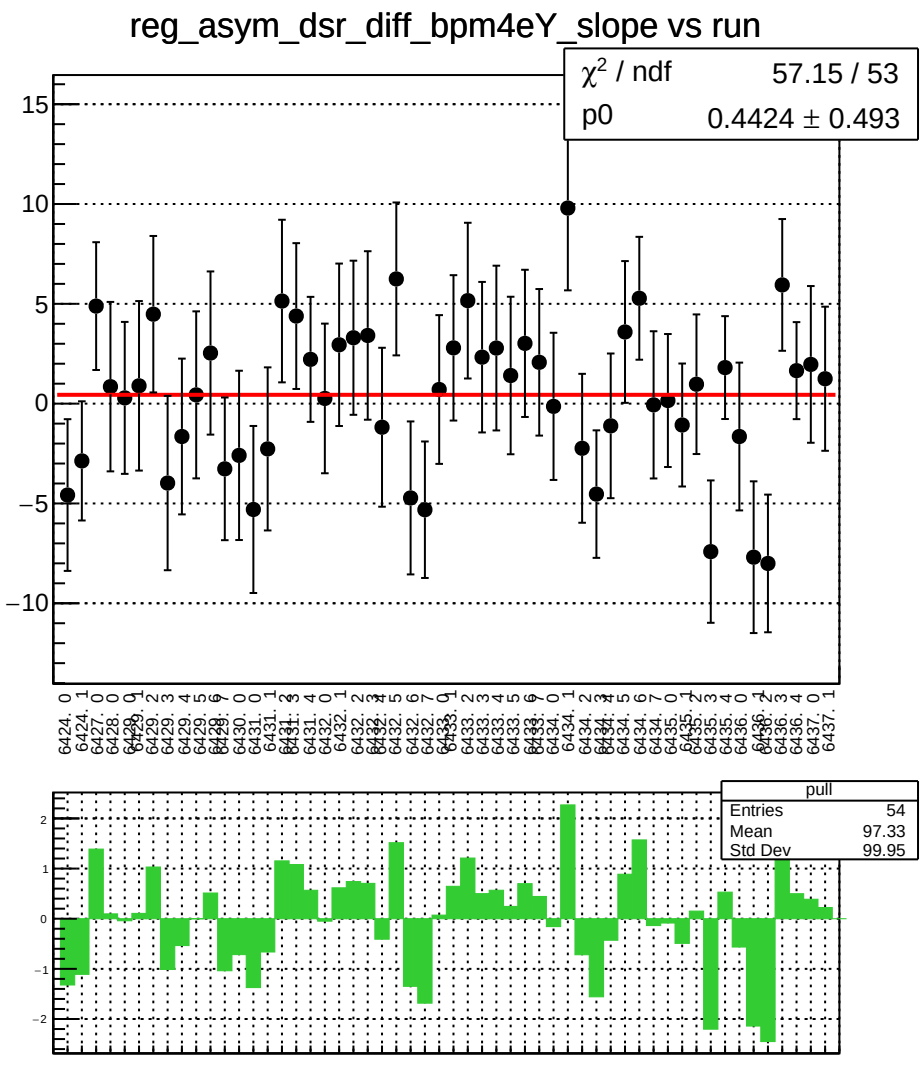

pull1D
Entries 54
Mean −0.0122
Std Dev 1.002

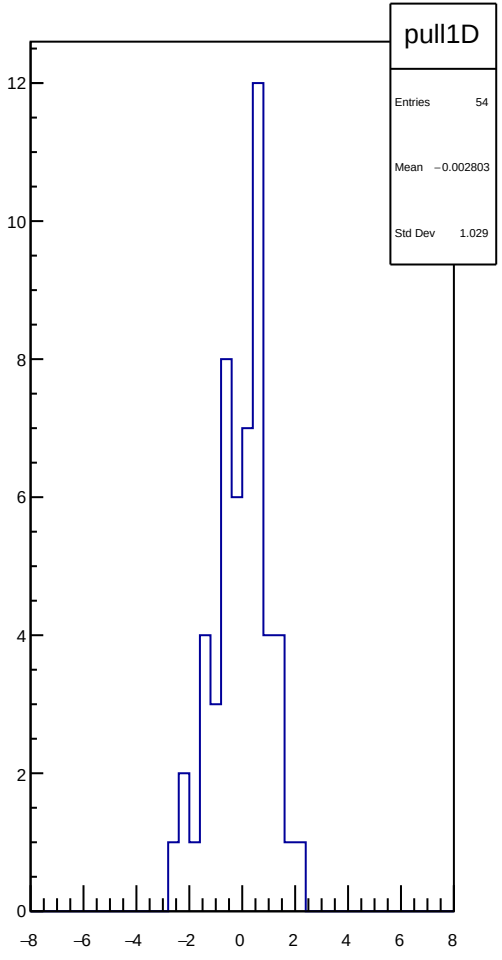

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 59.22 / 53
p0 −0.235 ± 0.484
pull
Entries 54
Mean −2115
Std Dev 0

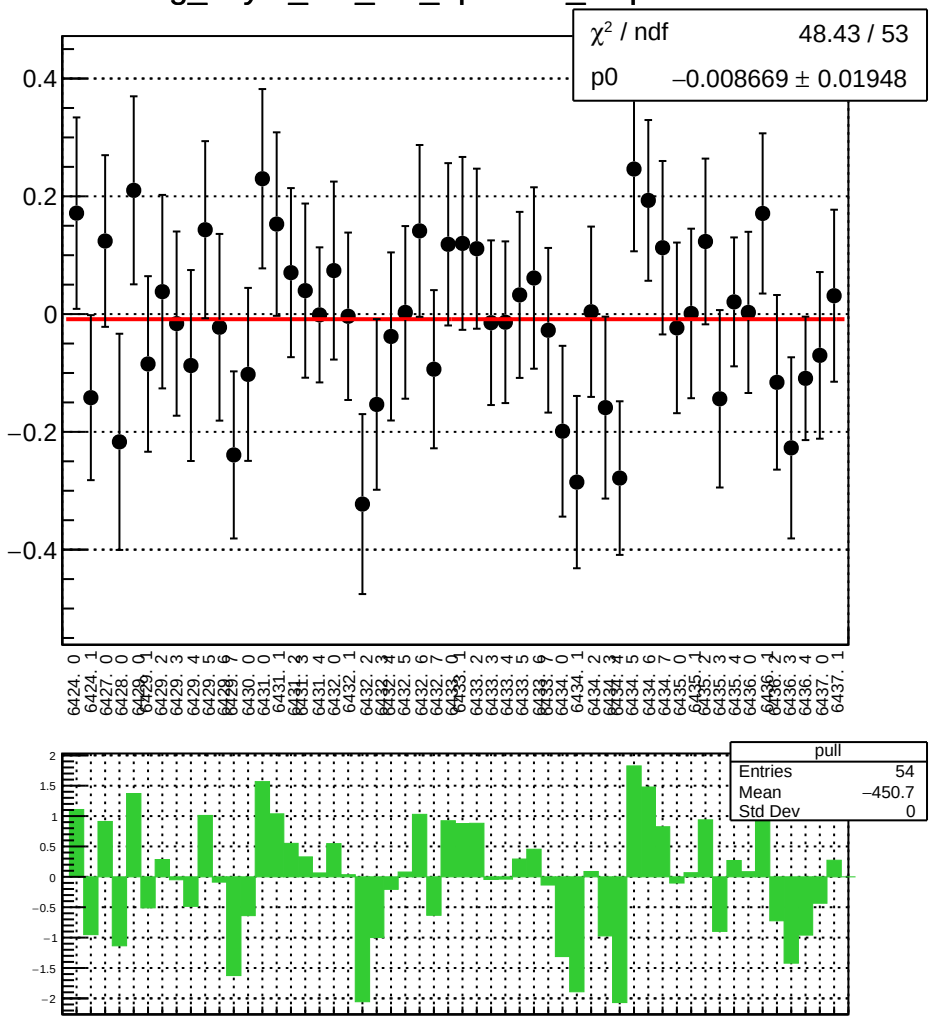

pull1D
Entries 54
Mean −0.000502
Std Dev 1.047

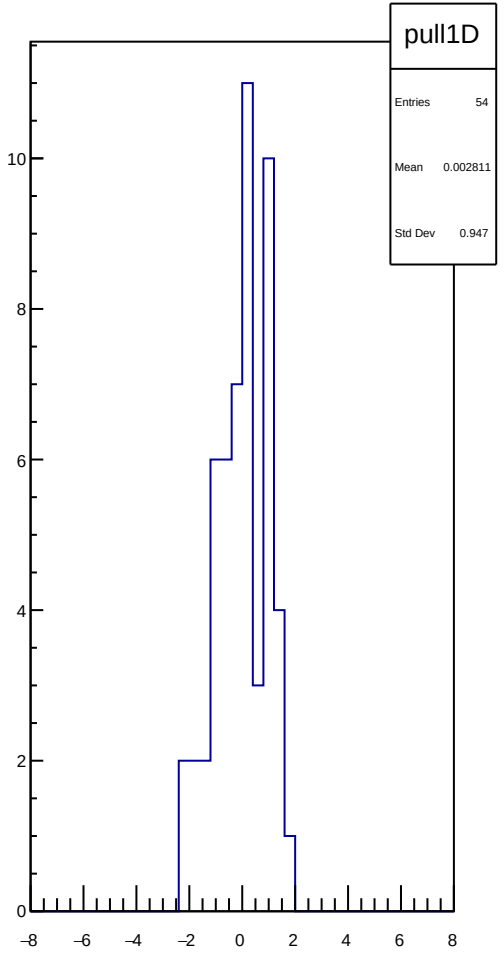

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 55.31 / 53
p0 0.01501± 0.5
pull
Entries 54
Mean −136.2
Std Dev 0

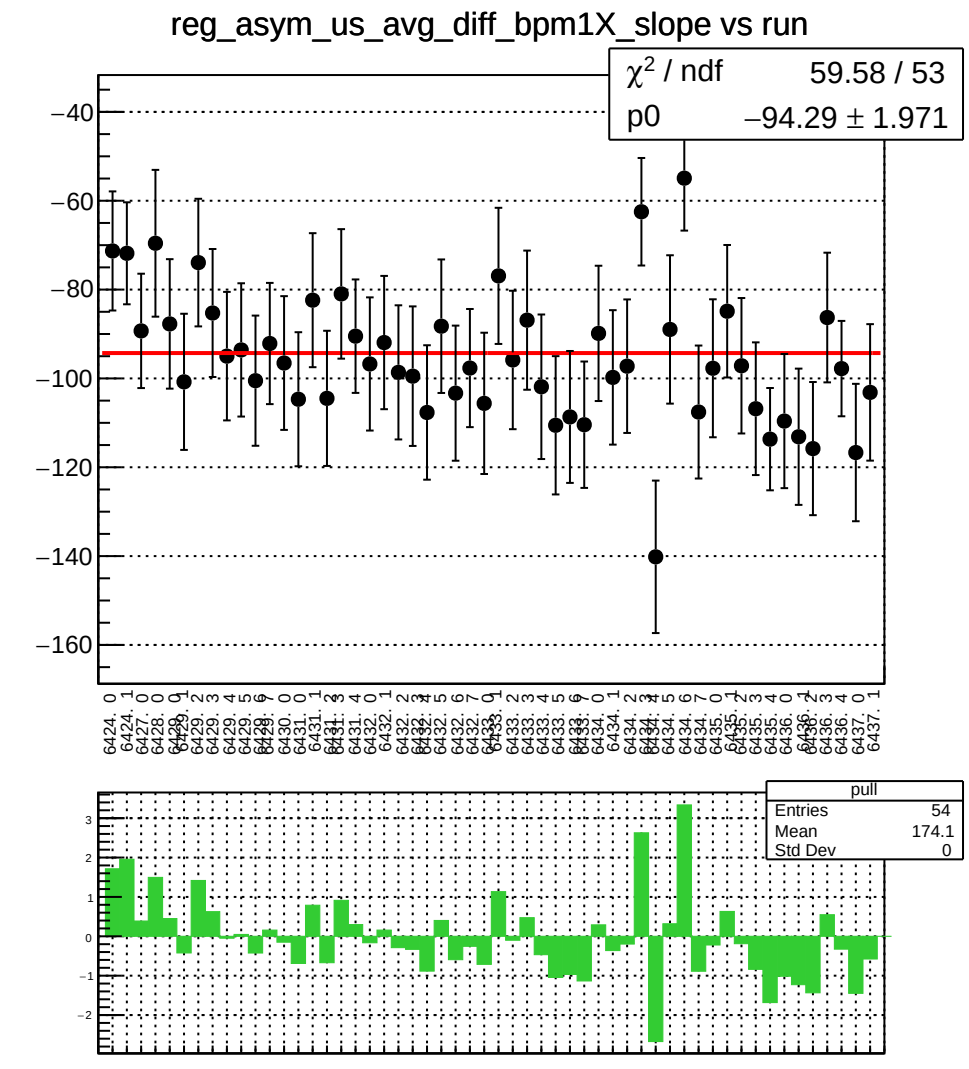

pull1D
Entries 54
Mean 0.01445
Std Dev 1.012

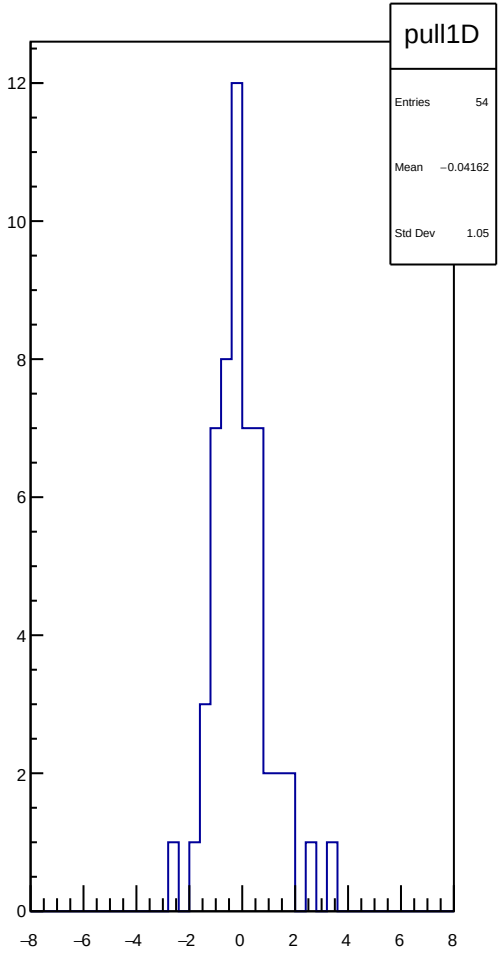

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 57.15 / 53
p0 0.4424 ± 0.493
pull
Entries 54
Mean 97.33
Std Dev 99.95

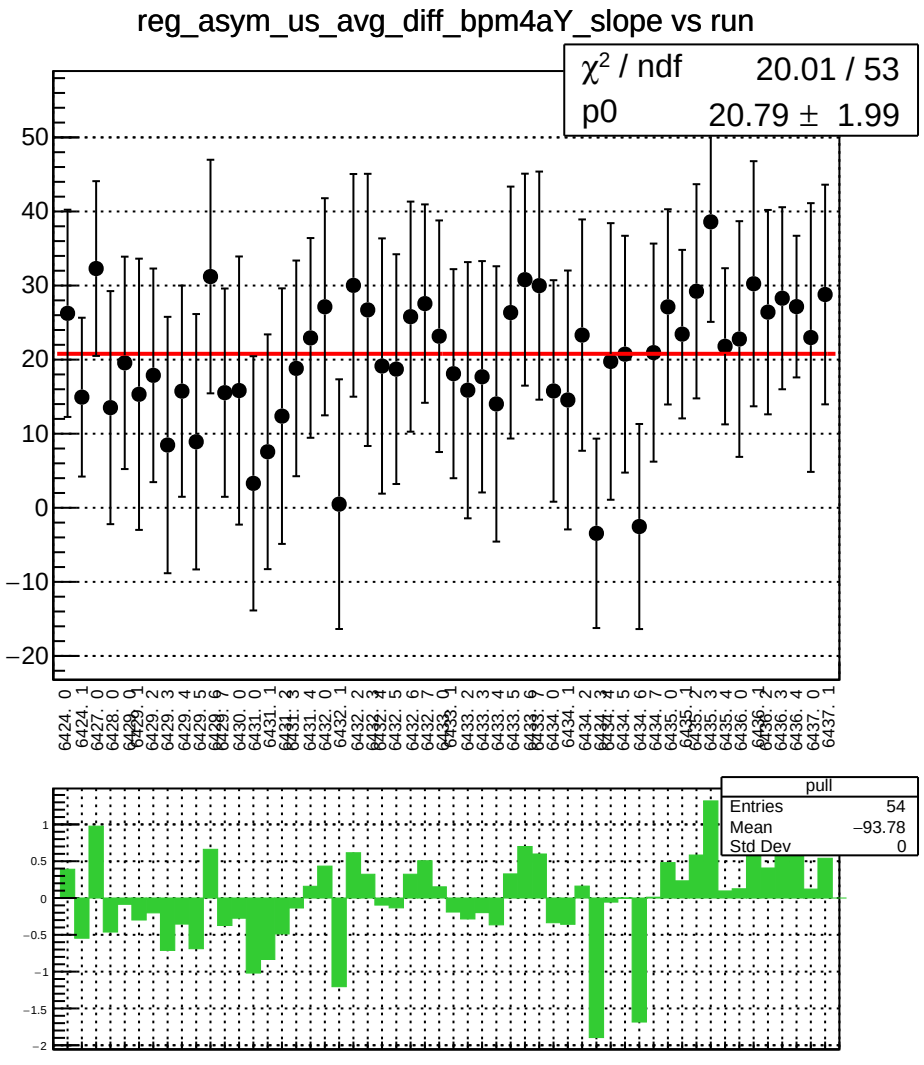

pull1D
Entries 54
Mean −0.002803
Std Dev 1.029

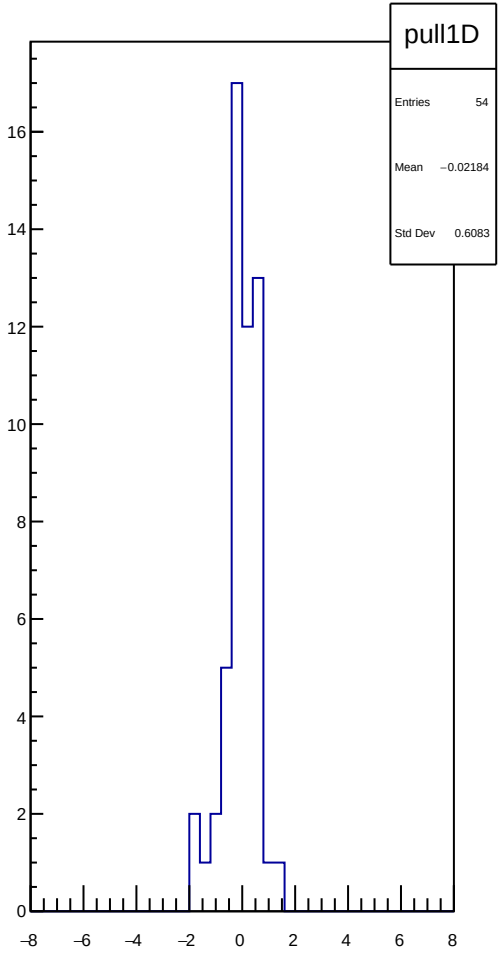

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 48.43 / 53
p0 −0.008669 ± 0.01948
pull
Entries 54
Mean −450.7
Std Dev 0

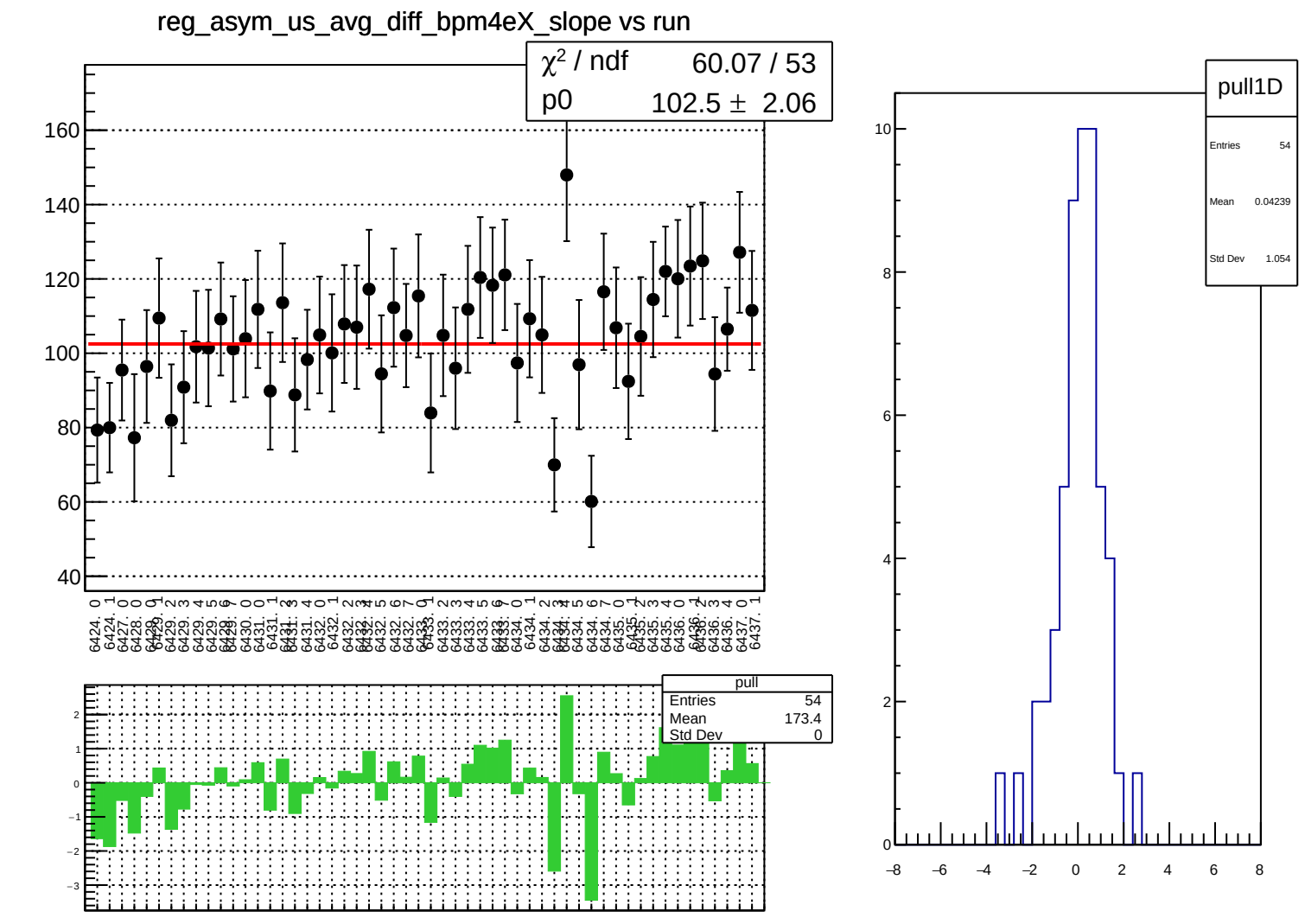

pull1D
Entries 54
Mean 0.002811
Std Dev 0.947


reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 59.58 / 53
p0 −94.29 ± 1.971
pull
Entries 54
Mean 174.1
Std Dev 0


pull1D
Entries 54
Mean −0.04162
Std Dev 1.05


reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.01 / 53
p0 20.79 ± 1.99
pull
Entries 54
Mean −93.78
Std Dev 0


pull1D
Entries 54
Mean −0.02184
Std Dev 0.6083


reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.07 / 53
p0 102.5 ± 2.06
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
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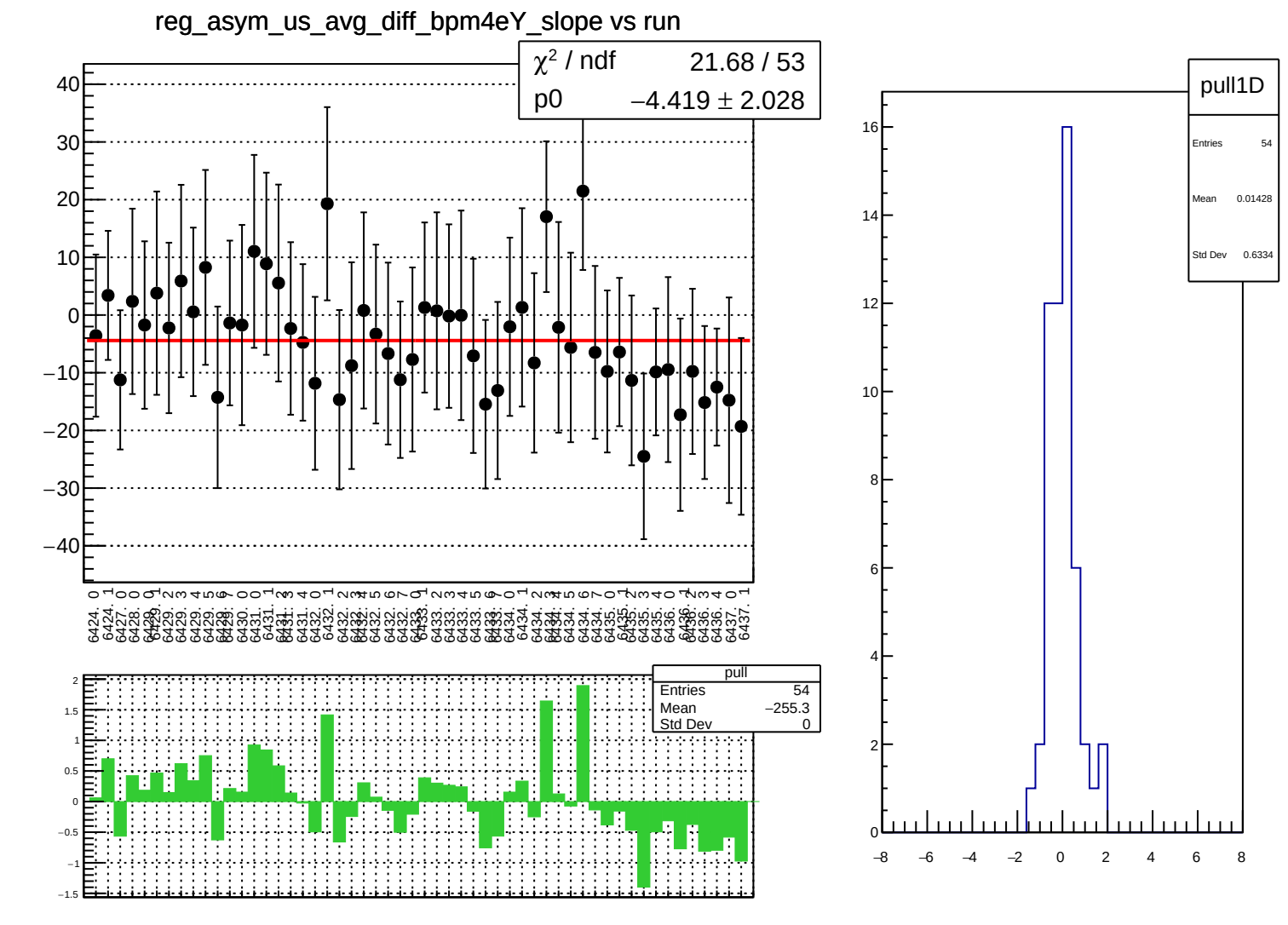
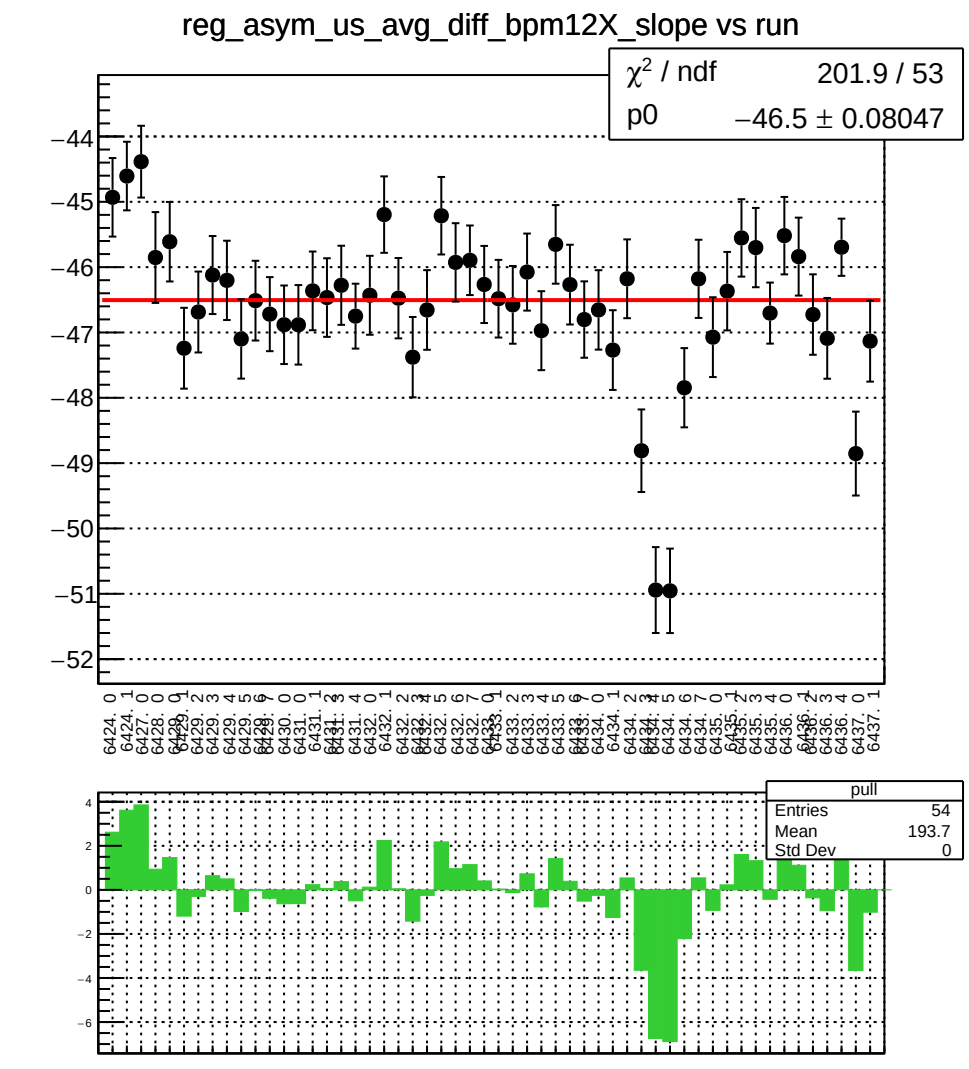
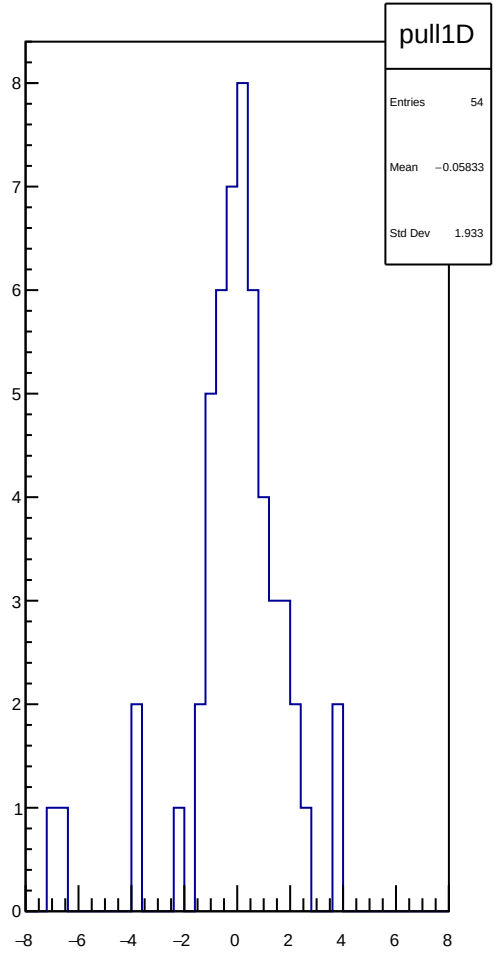
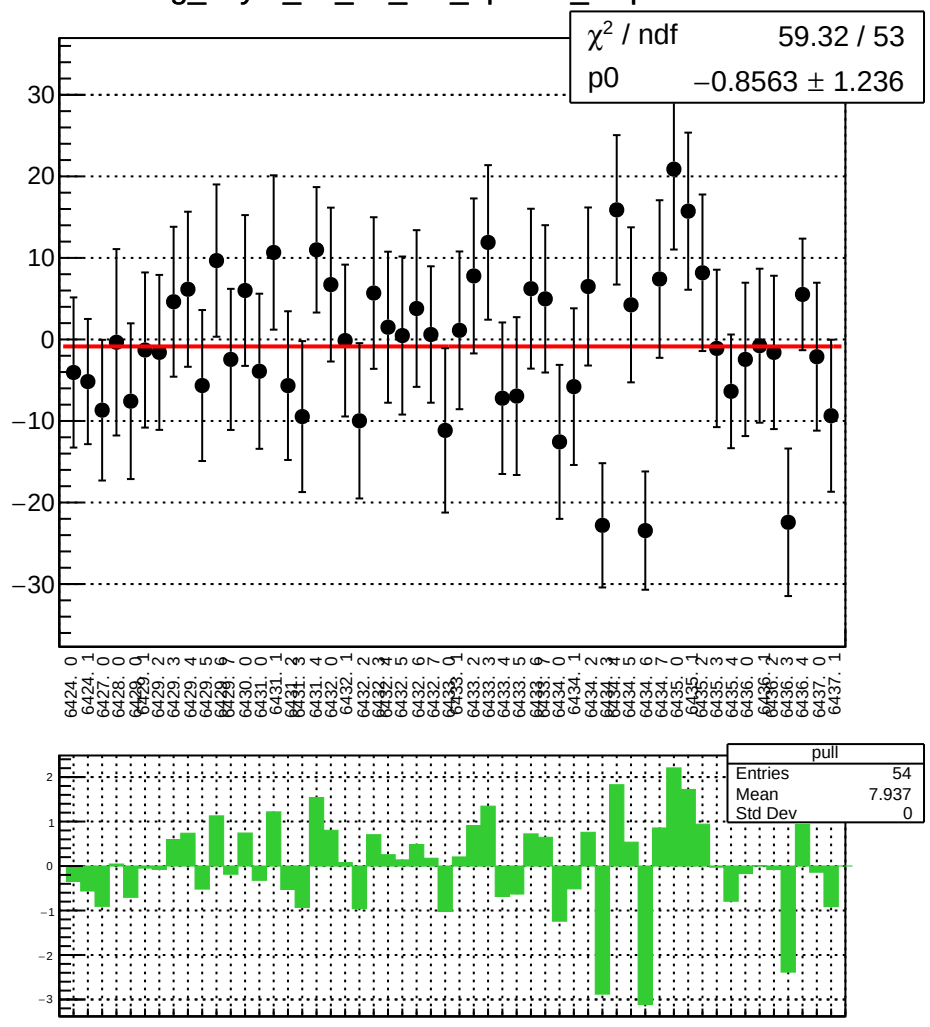
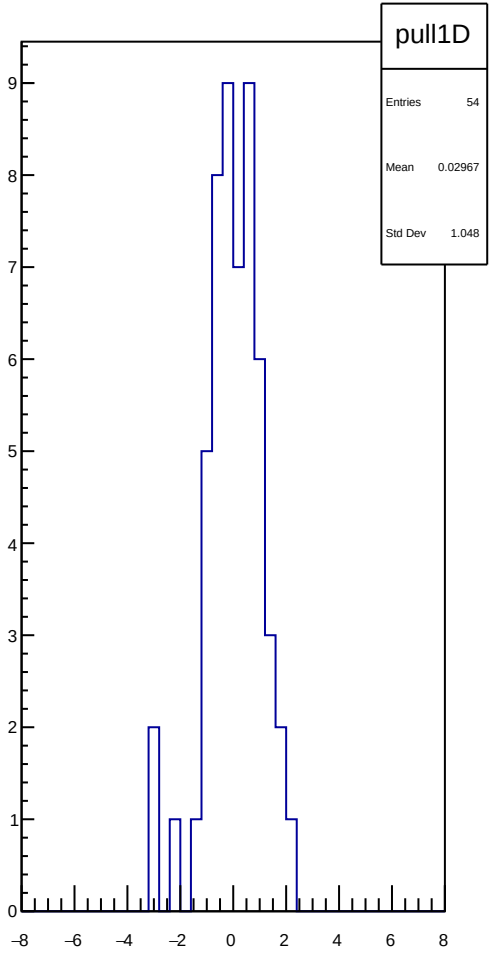
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 173.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.04239
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

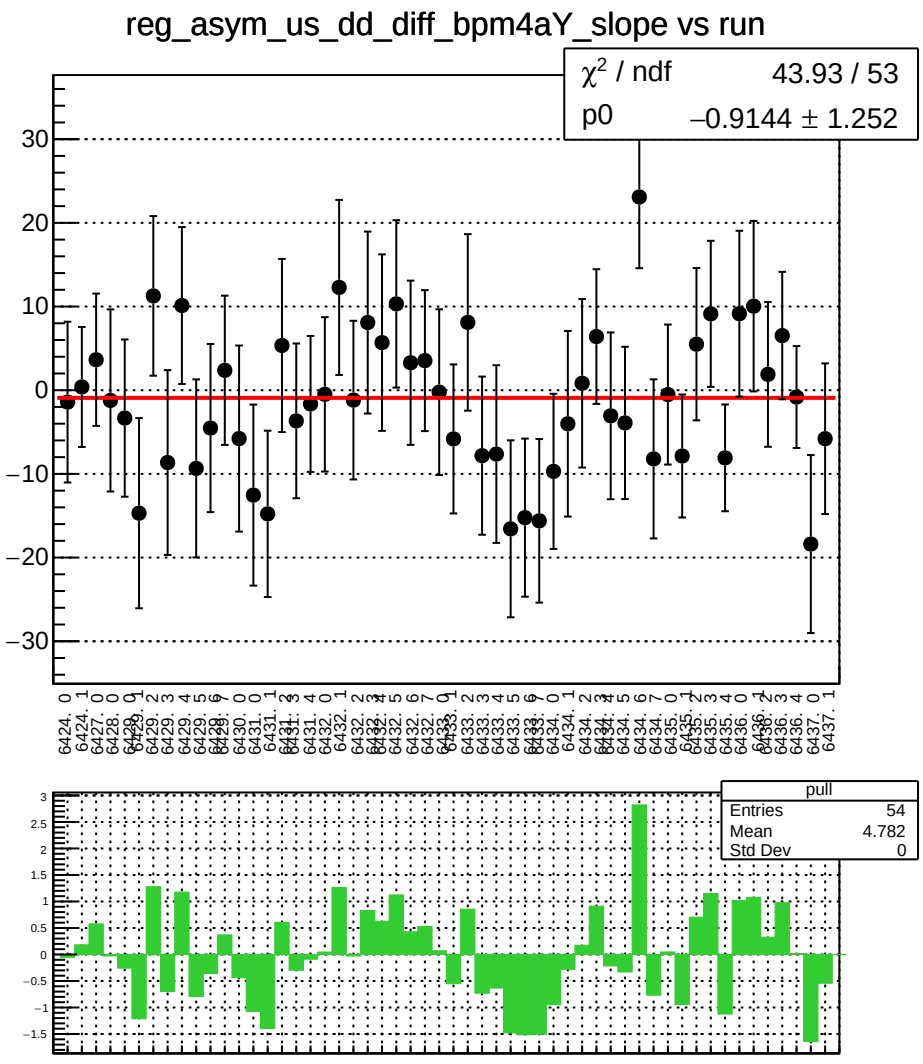

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.68 / 53
p0 −4.419 ± 2.028
pull
Entries 54
Mean −255.3
Std Dev 0
pull1D
Entries 54
Mean 0.01428
Std Dev 0.6334

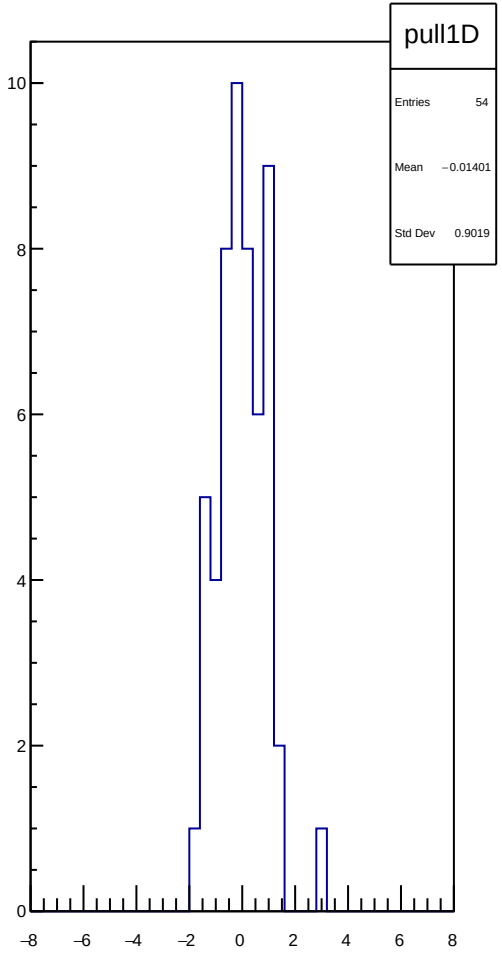

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 201.9 / 53
p0 −46.5 ± 0.08047
pull
Entries 54
Mean 193.7
Std Dev 0

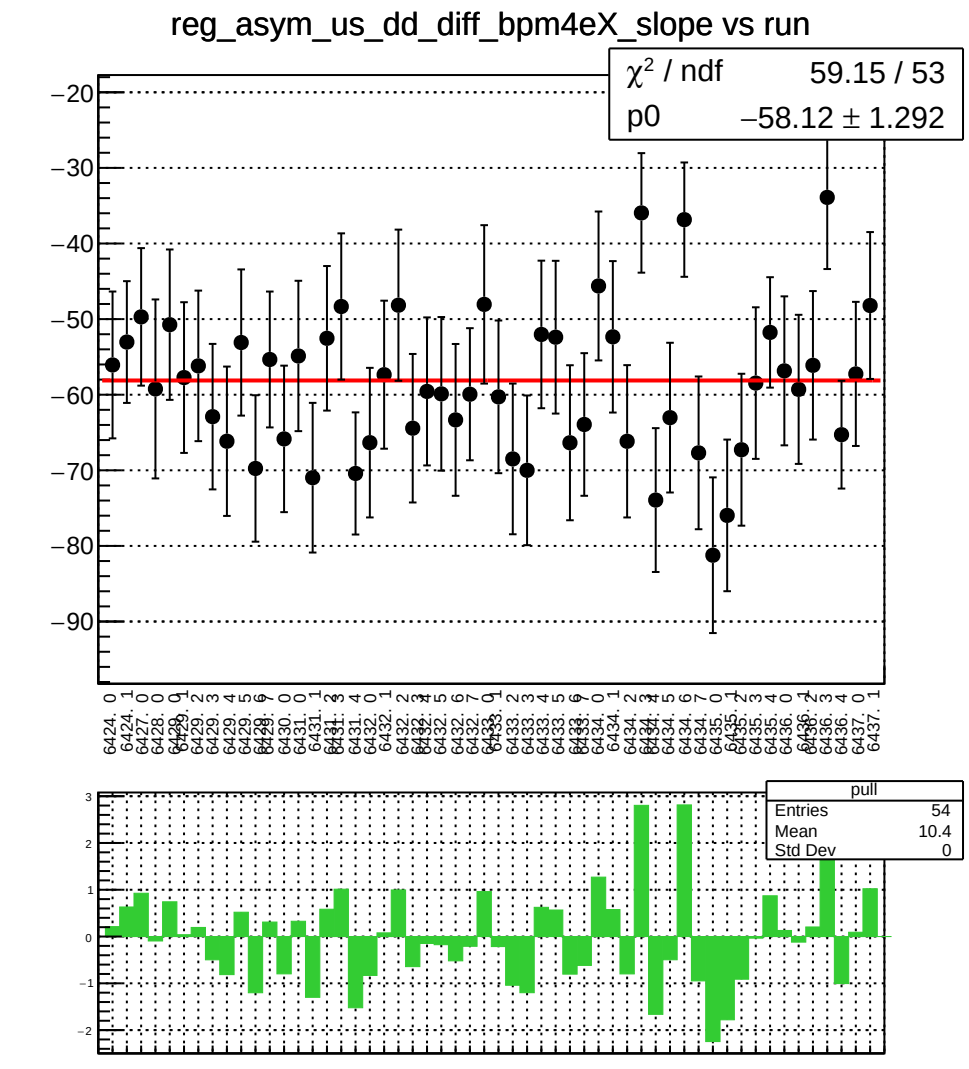

pull1D
Entries 54
Mean −0.05833
Std Dev 1.933

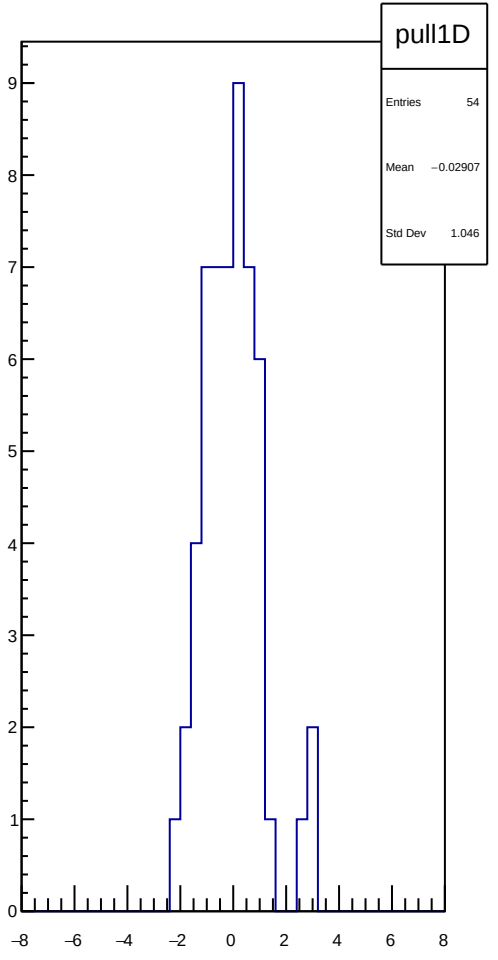

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 59.32 / 53
p0 −0.8563 ± 1.236
pull
Entries 54
Mean 7.937
Std Dev 0

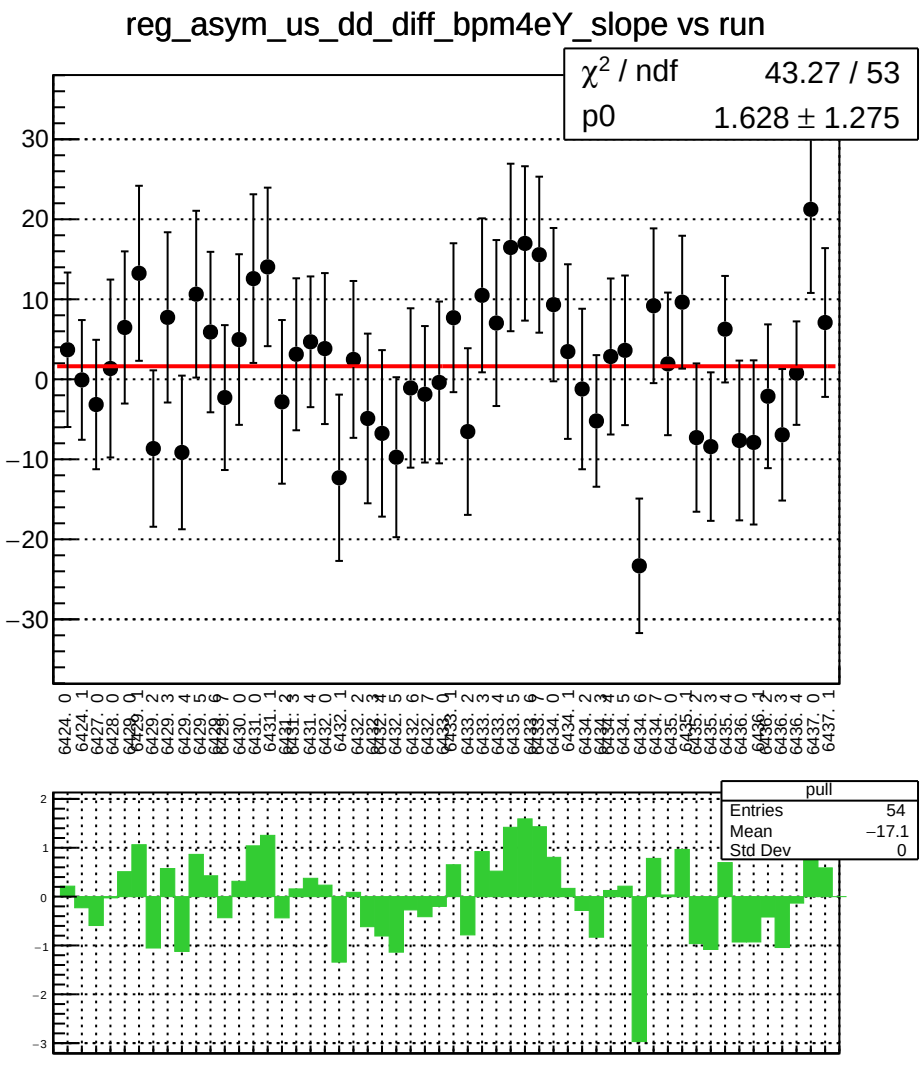

pull1D
Entries 54
Mean 0.02967
Std Dev 1.048

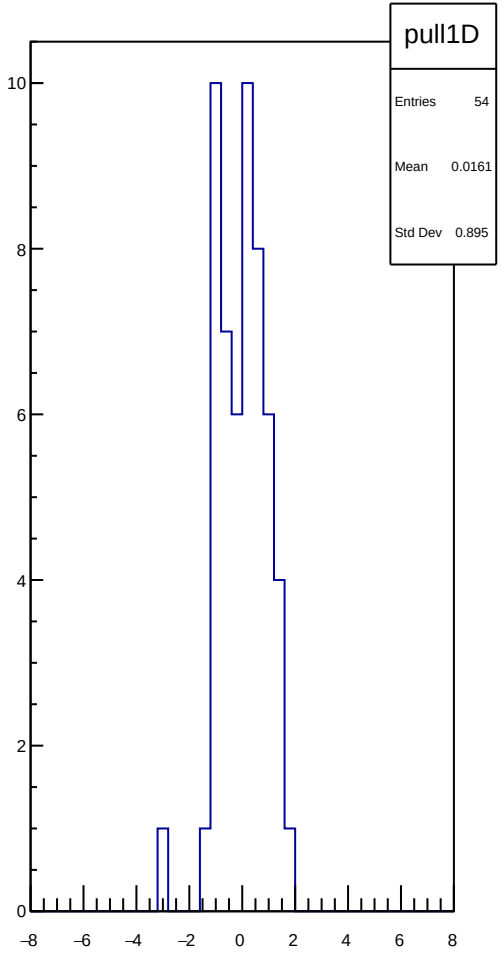

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.93 / 53
p0 −0.9144 ± 1.252
pull
Entries 54
Mean 4.782
Std Dev 0

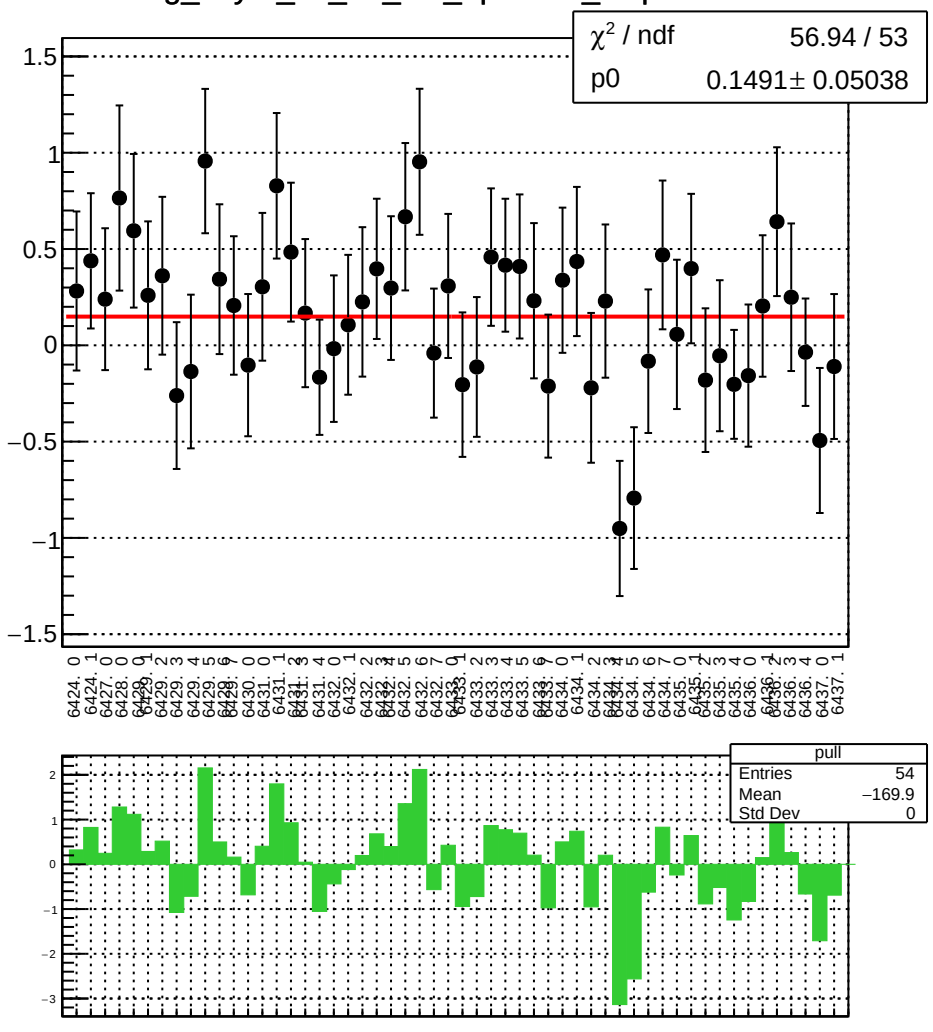

pull1D
Entries 54
Mean −0.01401
Std Dev 0.9019

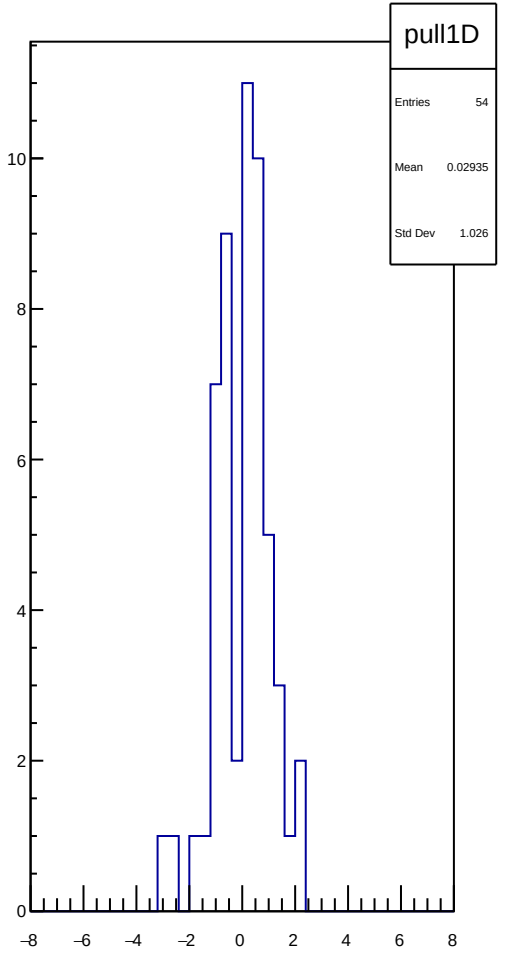

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.15 / 53
p0 −58.12 ± 1.292
pull
Entries 54
Mean 10.4
Std Dev 0

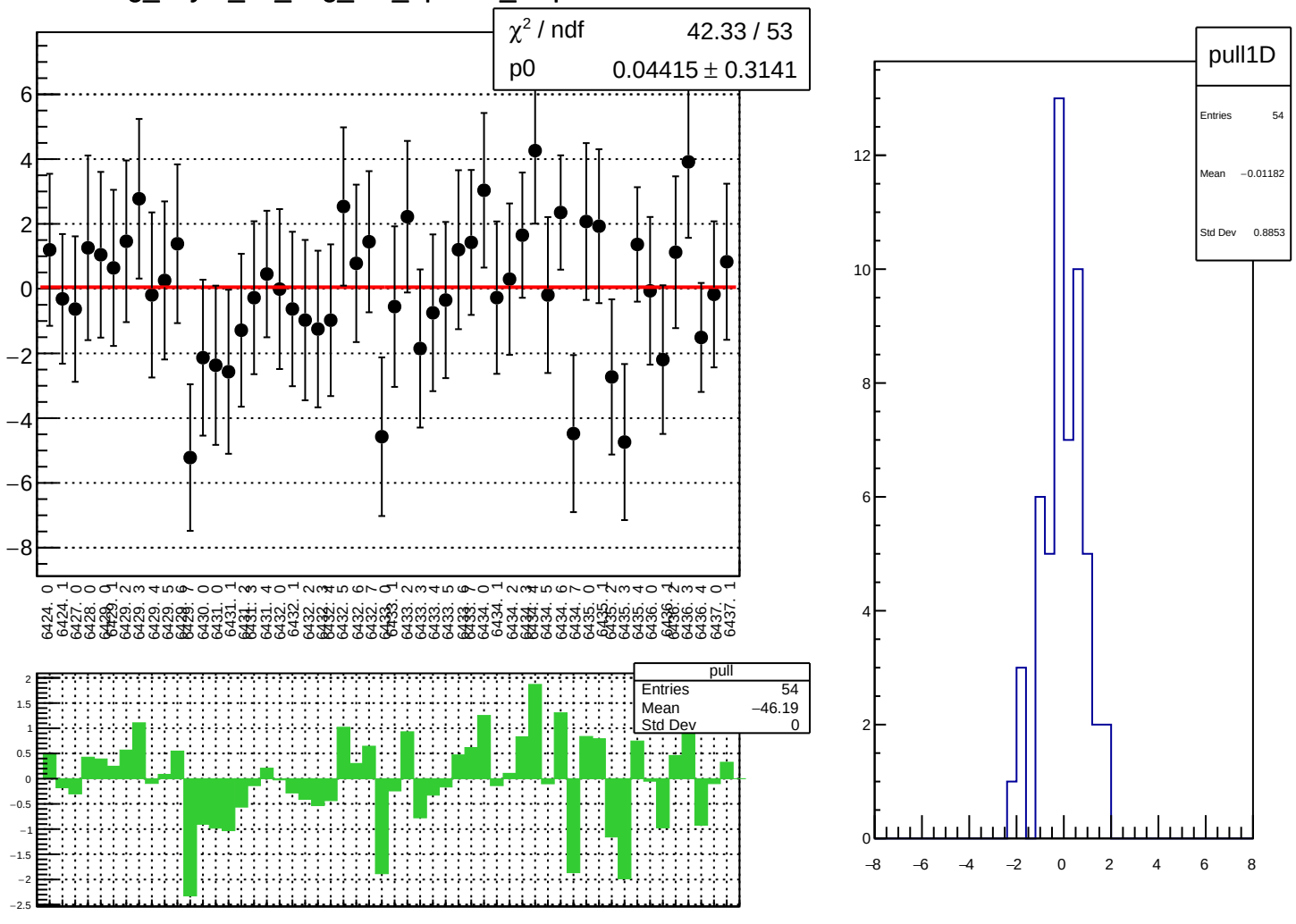

pull1D
Entries 54
Mean −0.02907
Std Dev 1.046

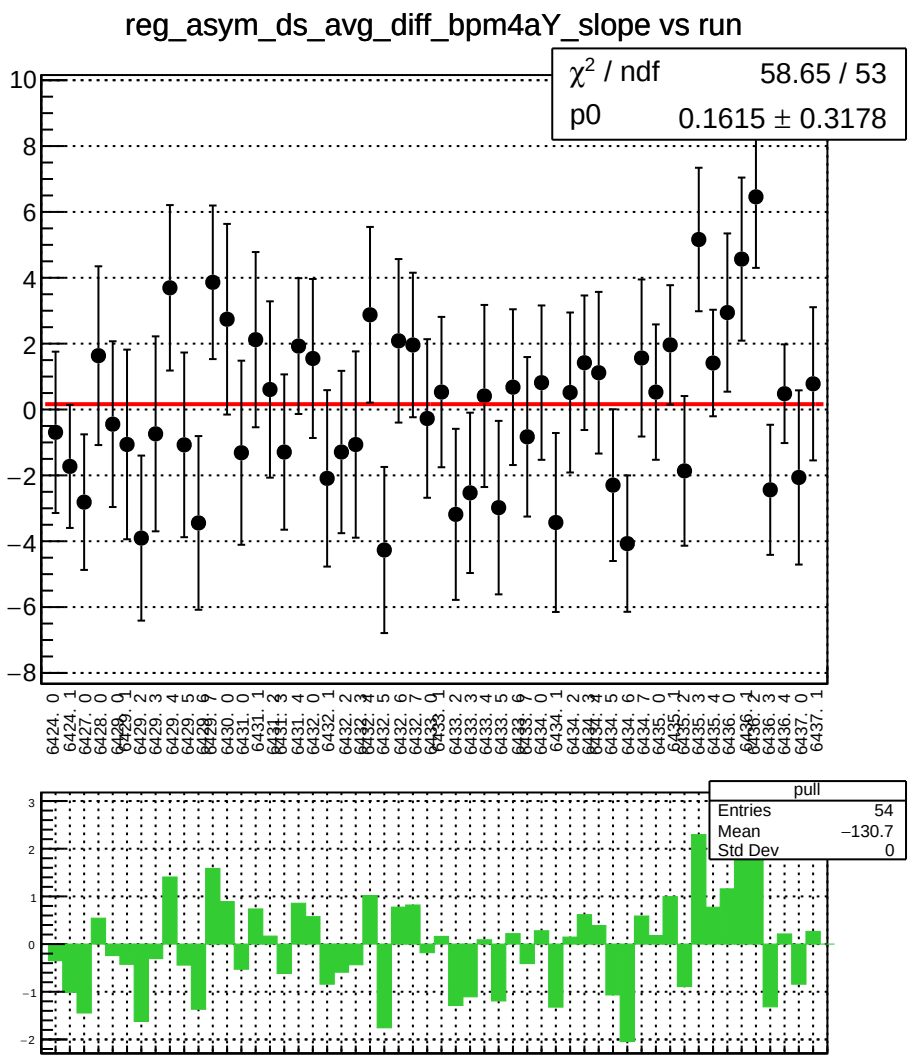

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.27 / 53
p0 1.628 ± 1.275
pull
Entries 54
Mean −17.1
Std Dev 0

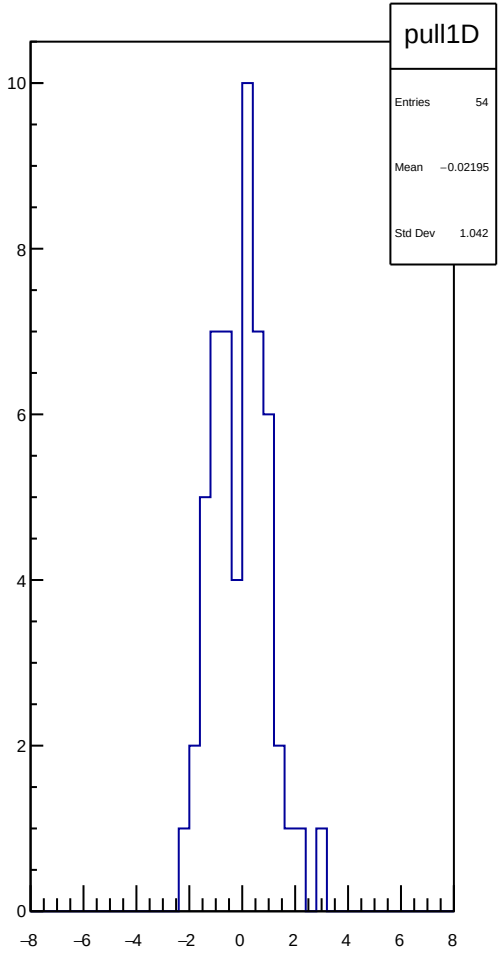

pull1D
Entries 54
Mean 0.0161
Std Dev 0.895

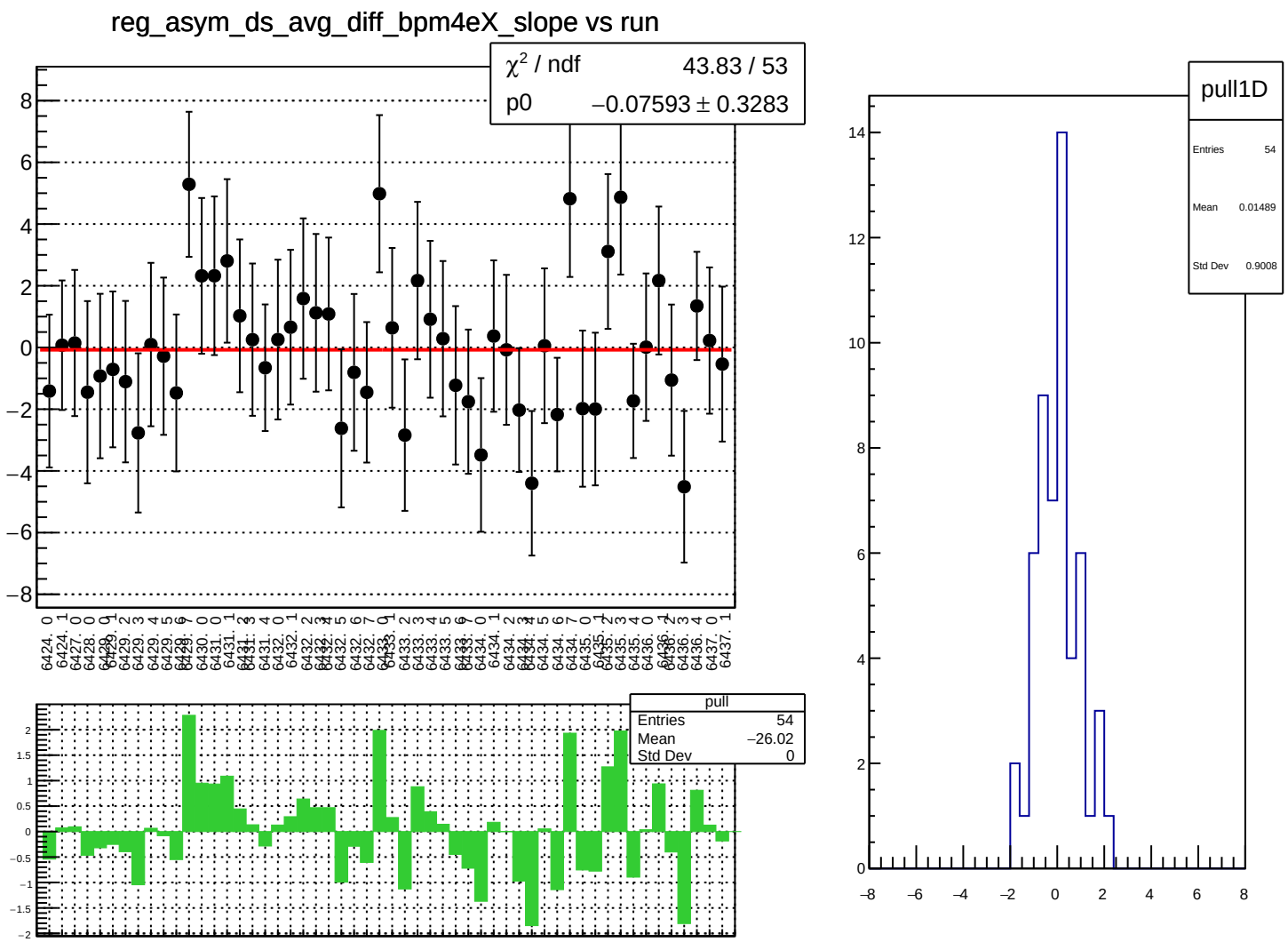

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 56.94 / 53
p0 0.1491± 0.05038
pull
Entries 54
Mean −169.9
Std Dev 0

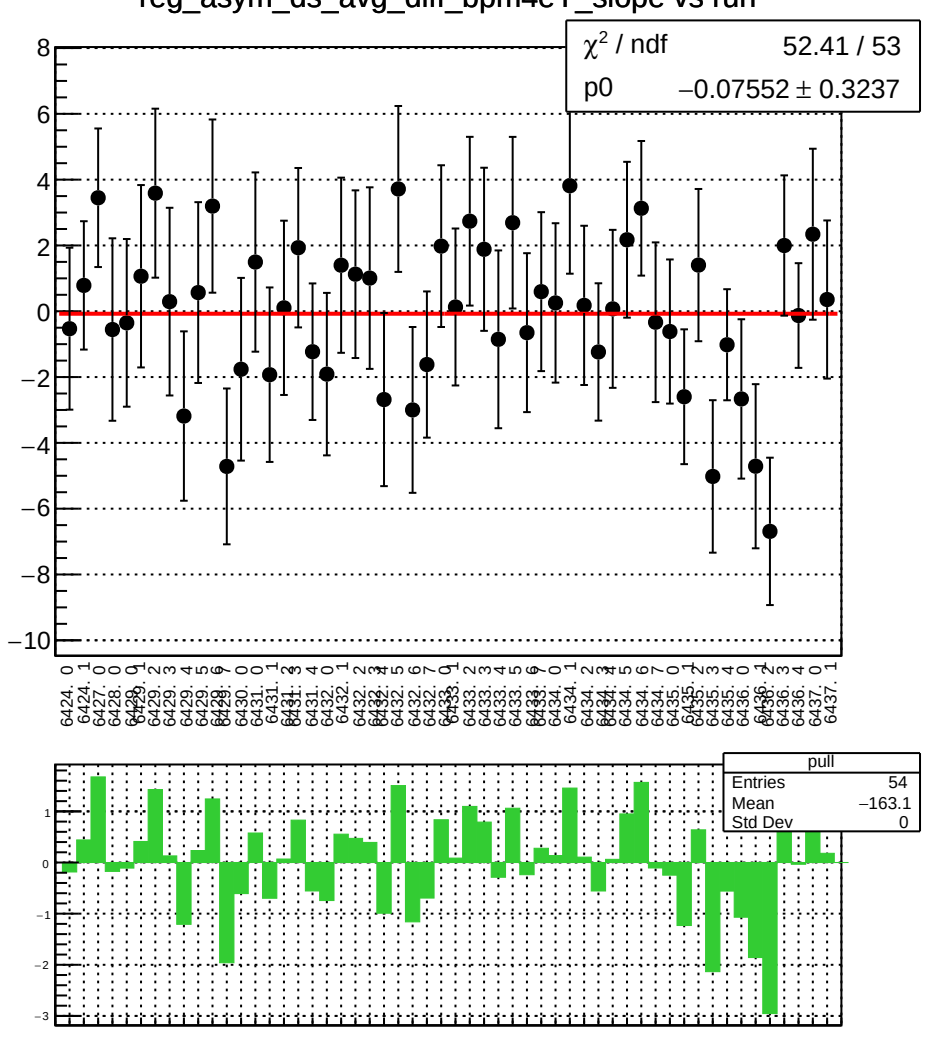

pull1D
Entries 54
Mean 0.02935
Std Dev 1.026

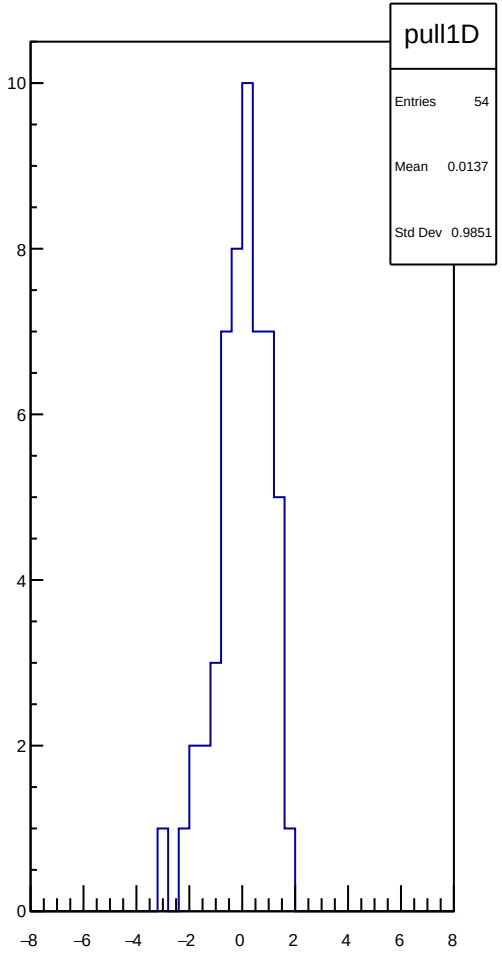

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 42.33 / 53
p0 0.04415 ± 0.3141
pull
Entries 54
Mean −46.19
Std Dev 0
pull1D
Entries 54
Mean −0.01182
Std Dev 0.8853

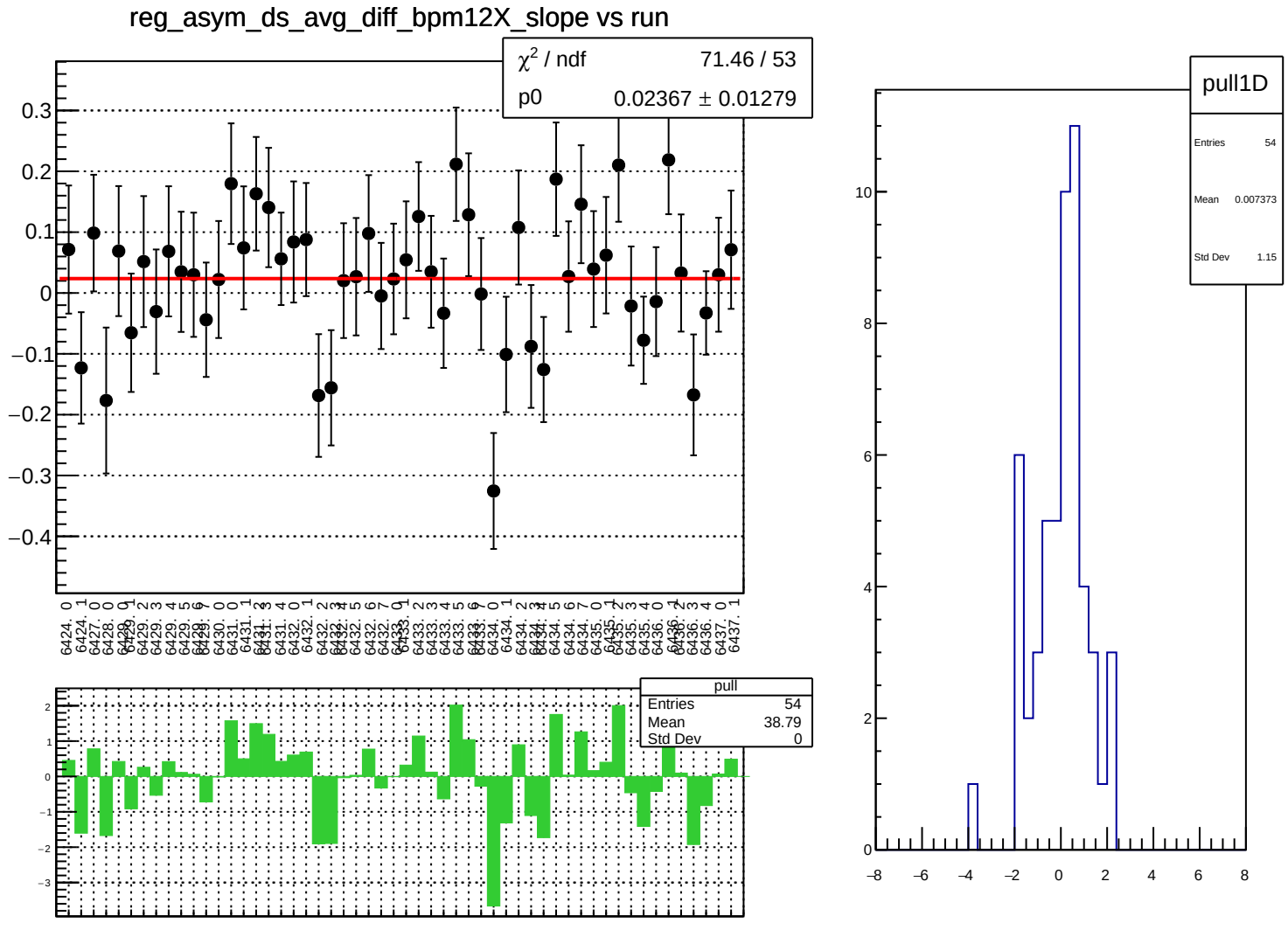

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.65 / 53
p0 0.1615 ± 0.3178
pull
Entries 54
Mean −130.7
Std Dev 0

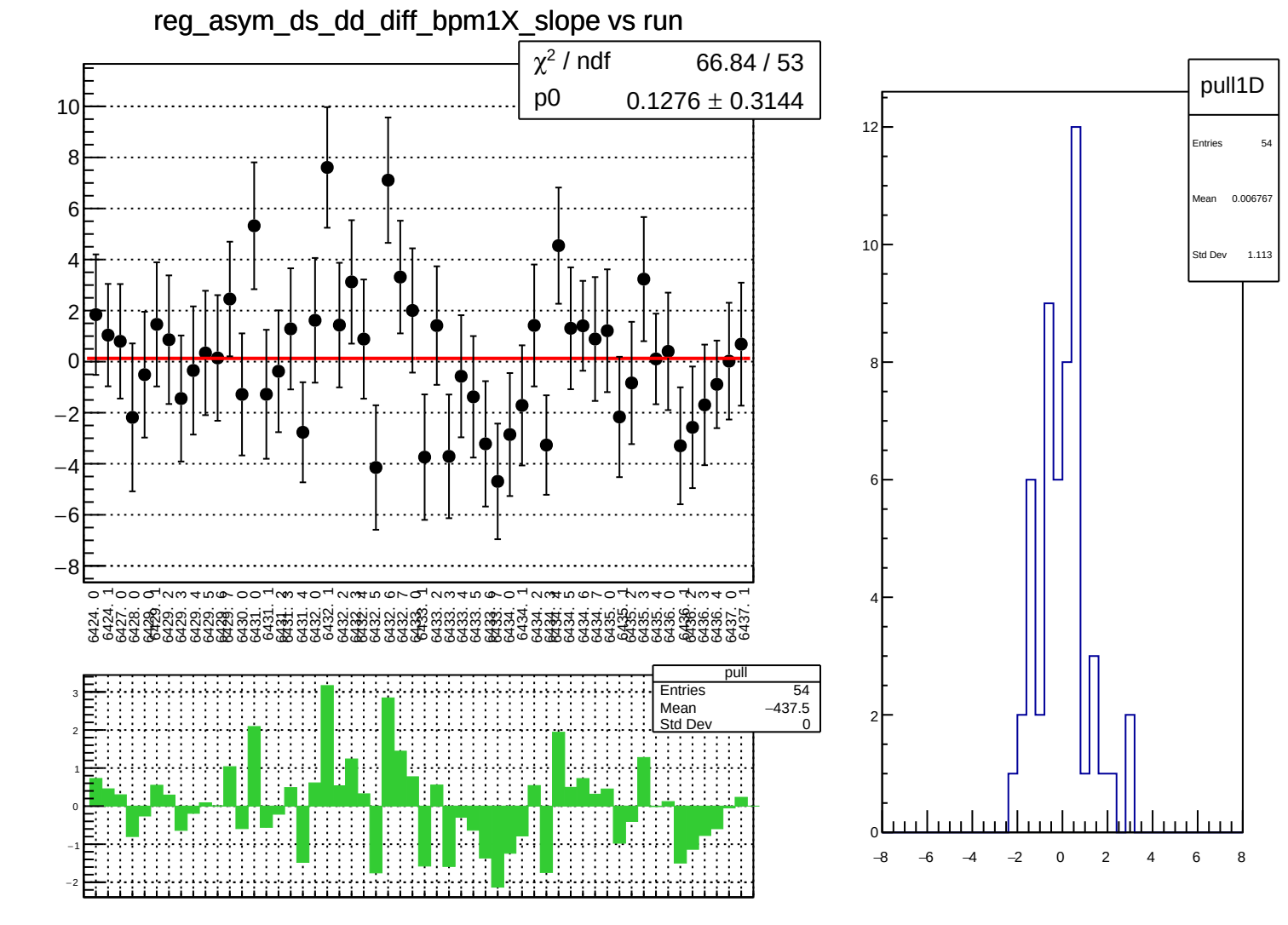

pull1D
Entries 54
Mean −0.02195
Std Dev 1.042

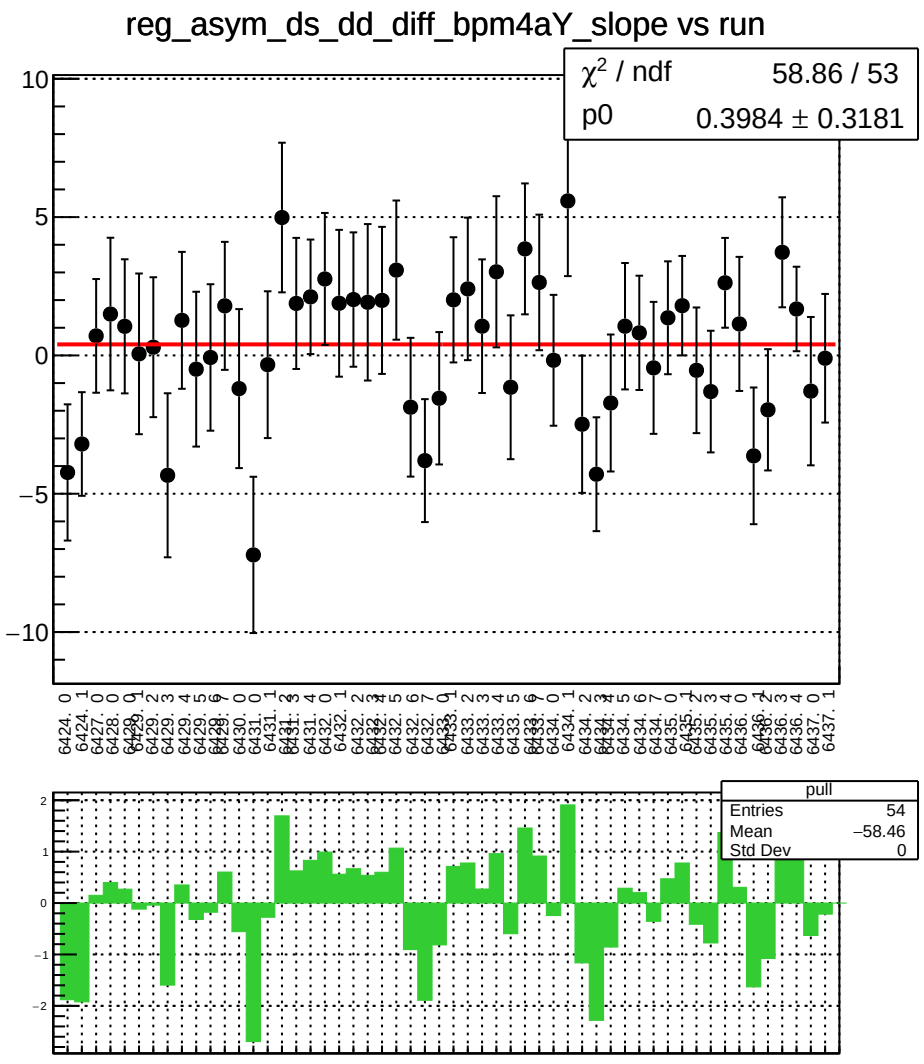

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.83 / 53
p0 −0.07593 ± 0.3283
pull
Entries 54
Mean −26.02
Std Dev 0
pull1D
Entries 54
Mean 0.01489
Std Dev 0.9008

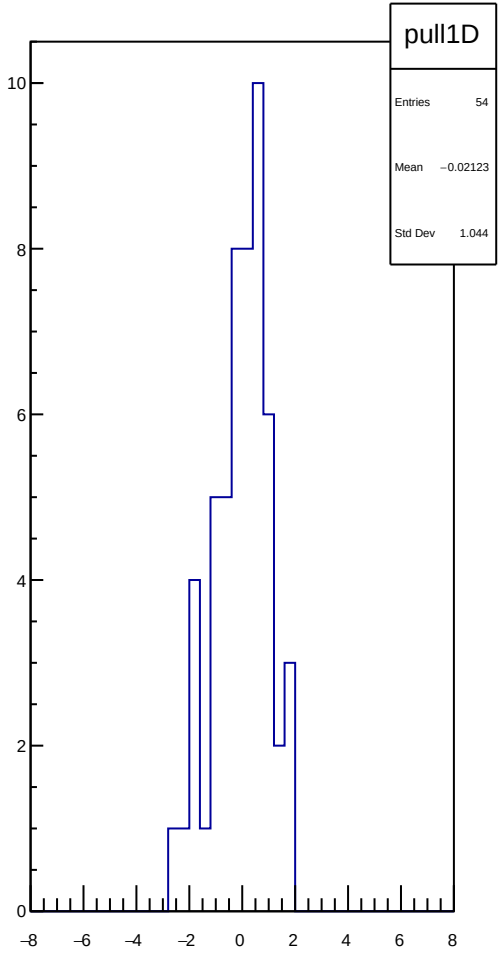

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.41 / 53
p0 −0.07552 ± 0.3237
pull
Entries 54
Mean −163.1
Std Dev 0

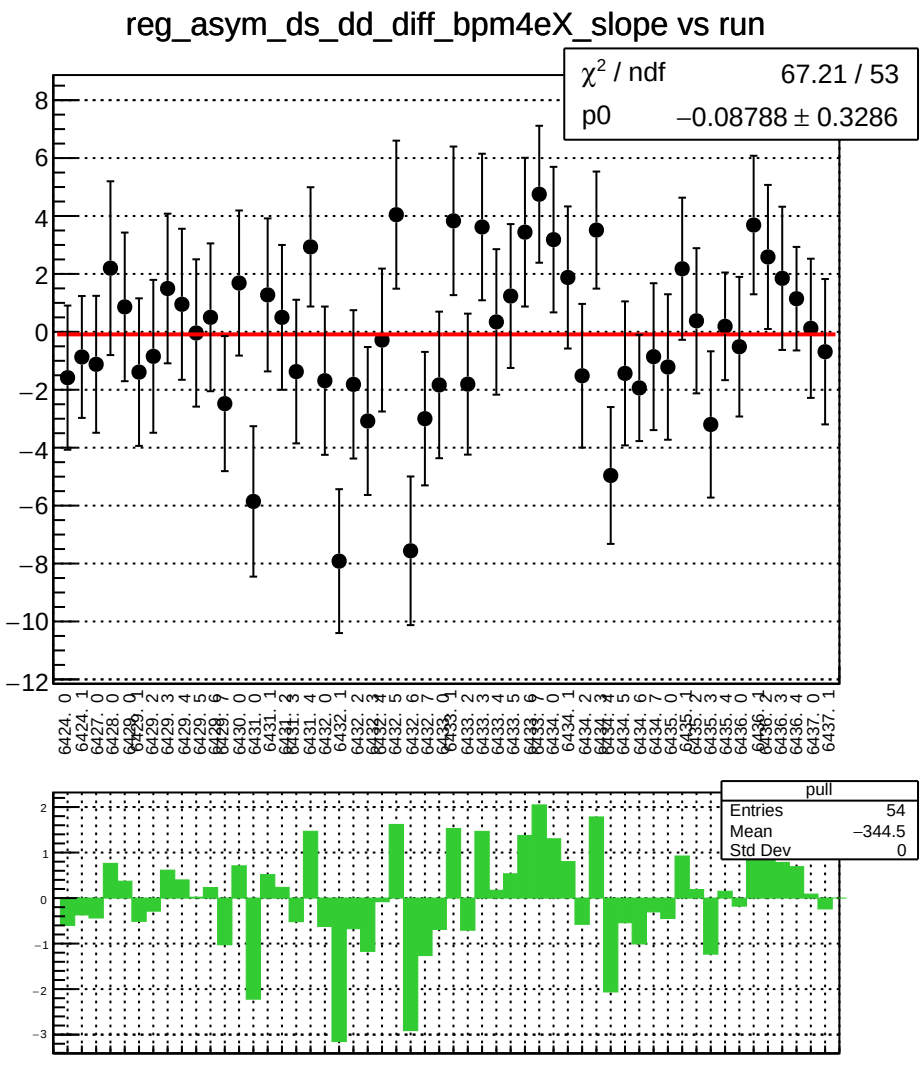

pull1D
Entries 54
Mean 0.0137
Std Dev 0.9851

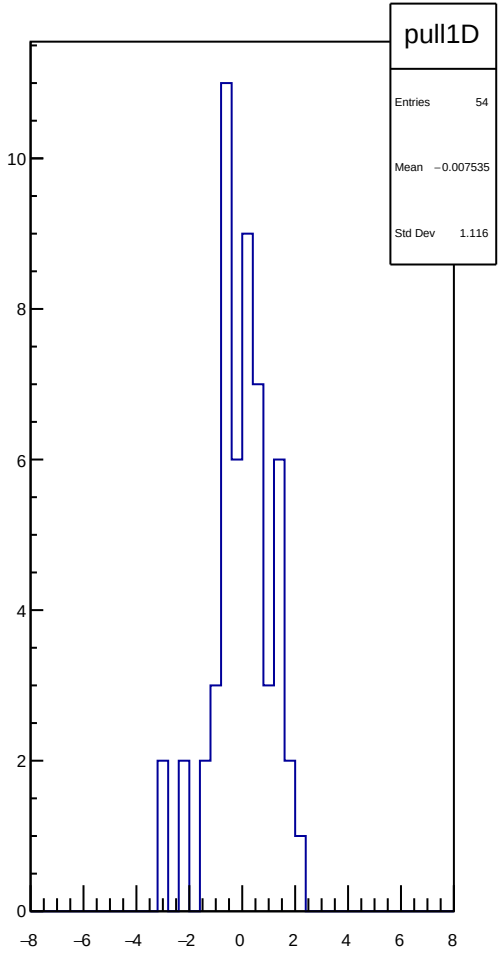

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 71.46 / 53
p0 0.02367 ± 0.01279
pull
Entries 54
Mean 38.79
Std Dev 0
pull1D
Entries 54
Mean 0.007373
Std Dev 1.15

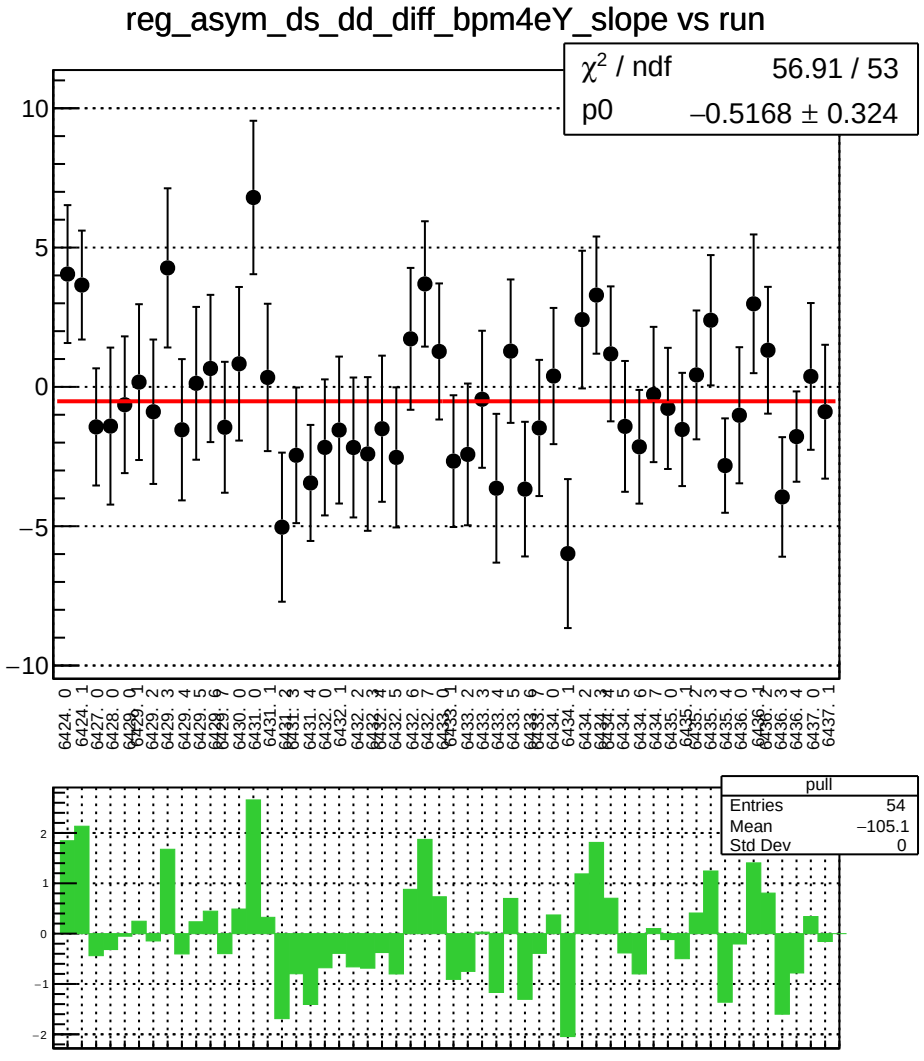

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 66.84 / 53
p0 0.1276 ± 0.3144
pull
Entries 54
Mean −437.5
Std Dev 0
pull1D
Entries 54
Mean 0.006767
Std Dev 1.113

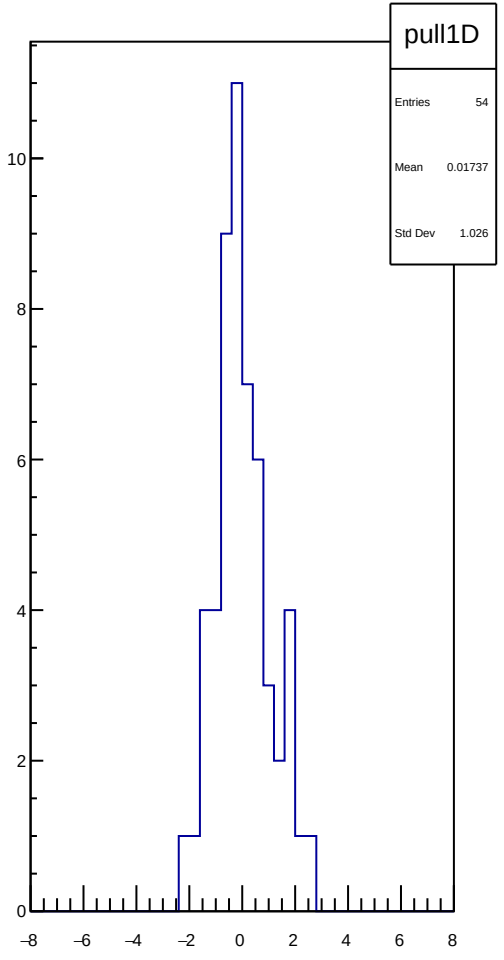

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.86 / 53
p0 0.3984 ± 0.3181
pull
Entries 54
Mean −58.46
Std Dev 0

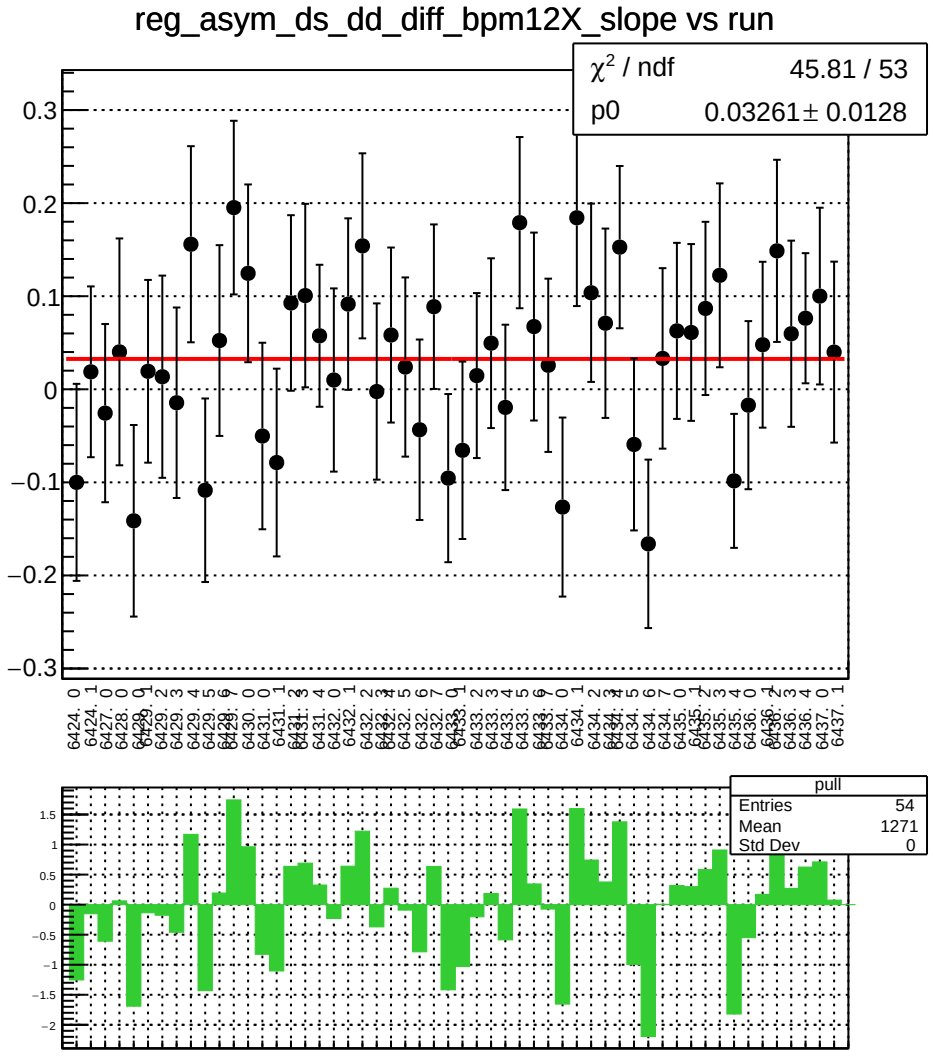

pull1D
Entries 54
Mean −0.02123
Std Dev 1.044

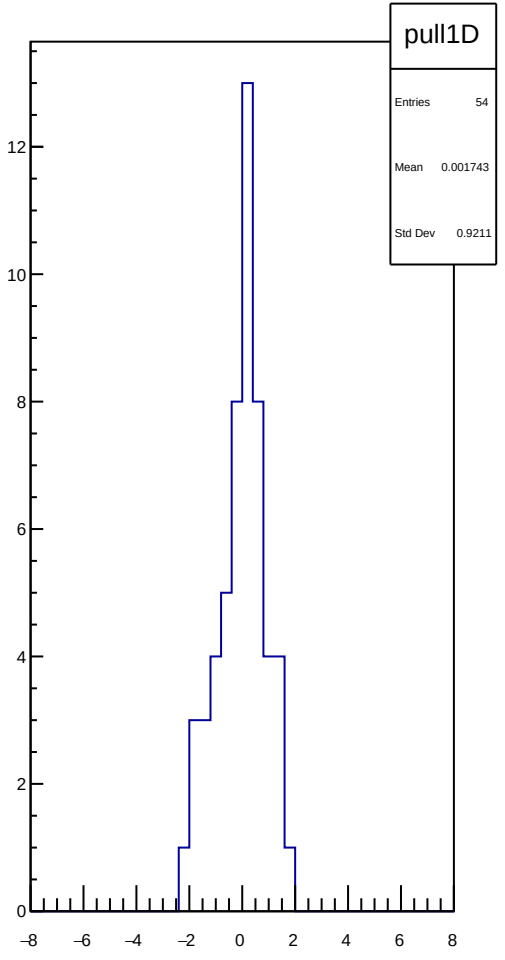

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 67.21 / 53
p0 −0.08788 ± 0.3286
pull
Entries 54
Mean −344.5
Std Dev 0

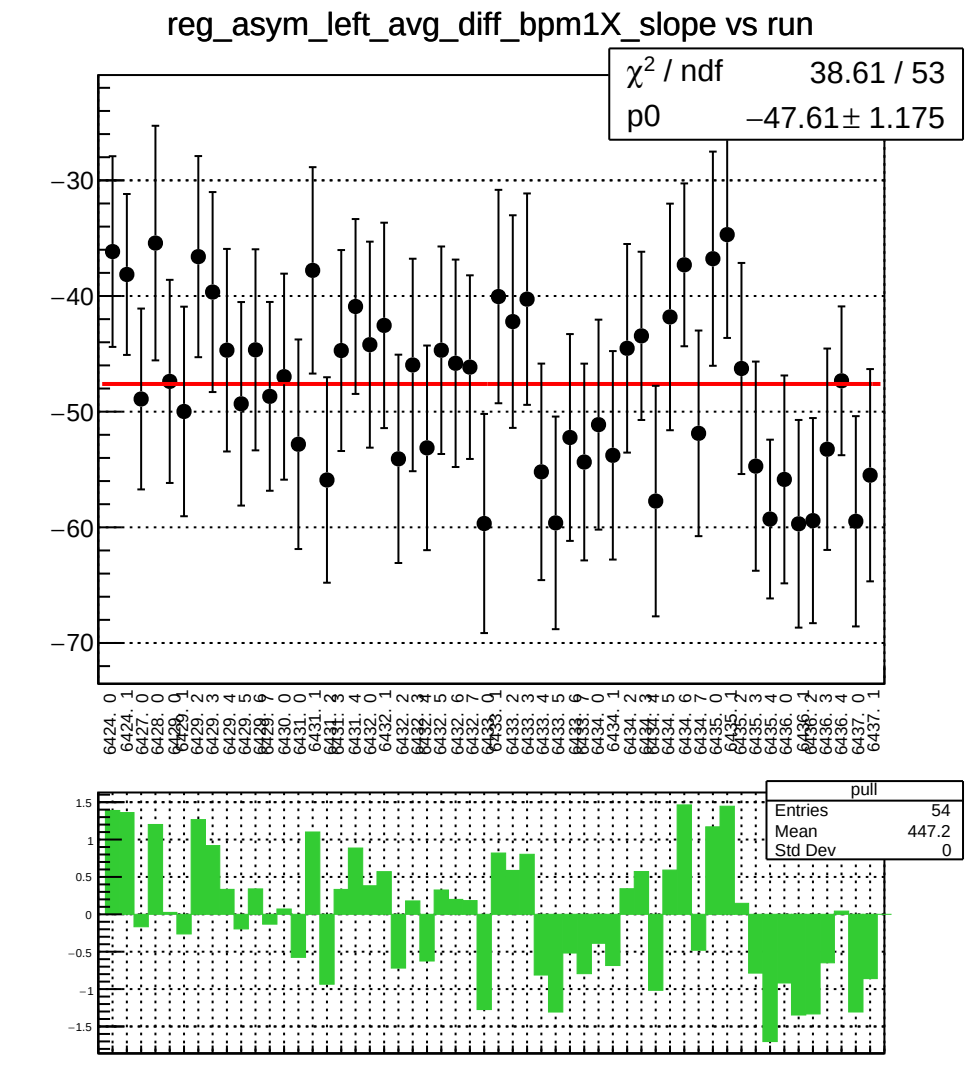

pull1D
Entries 54
Mean −0.007535
Std Dev 1.116

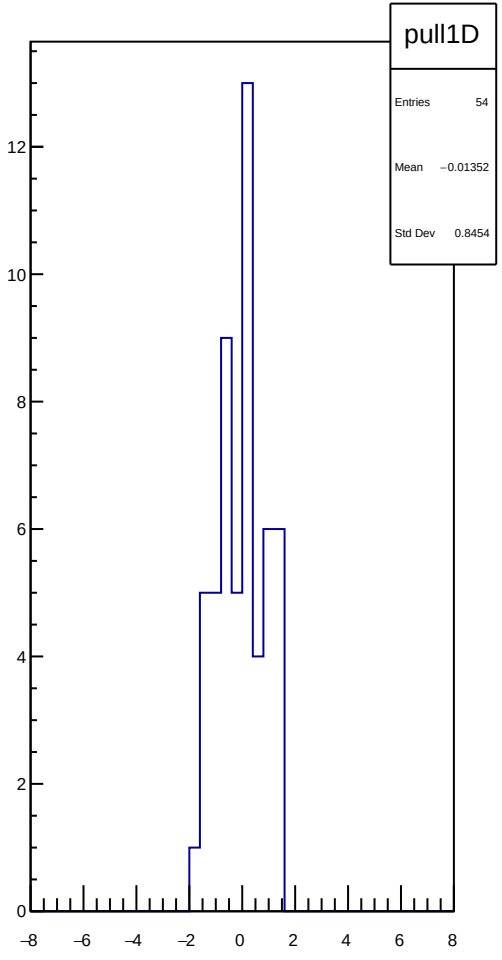

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.91 / 53
p0 −0.5168 ± 0.324
pull
Entries 54
Mean −105.1
Std Dev 0

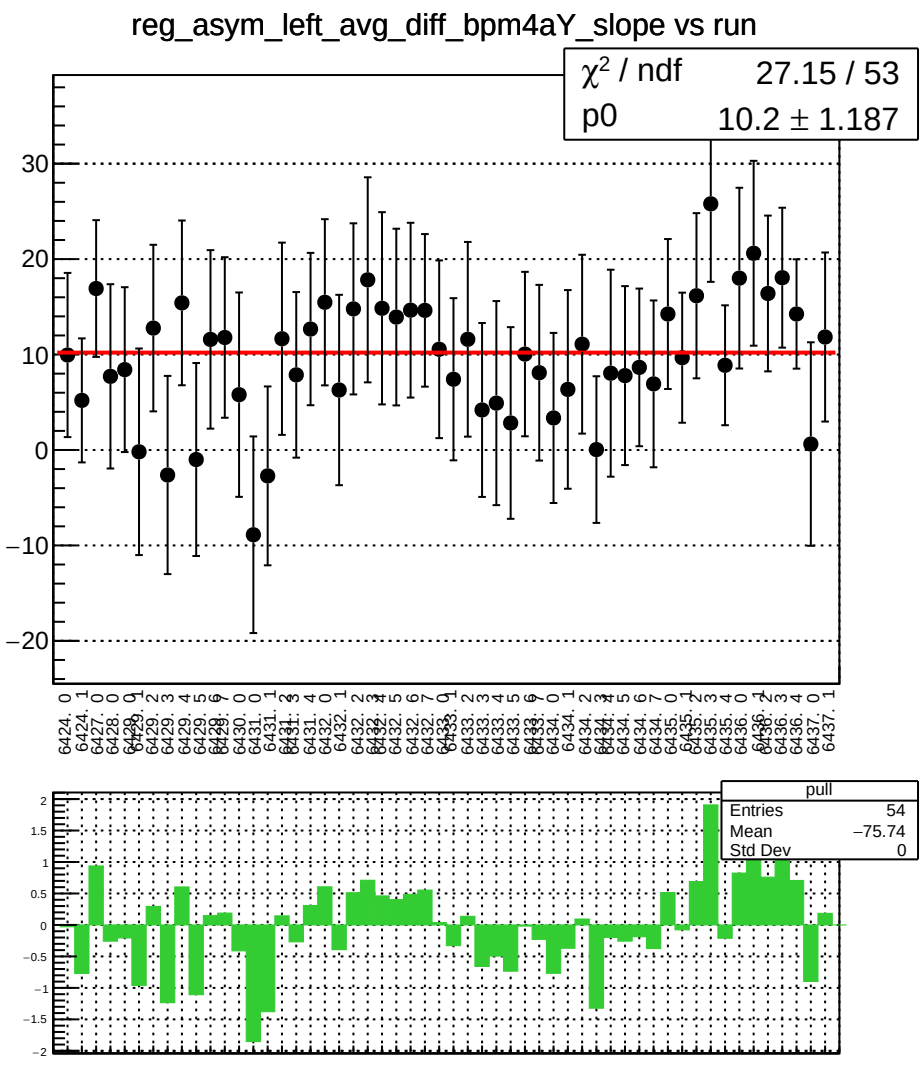

pull1D
Entries 54
Mean 0.01737
Std Dev 1.026

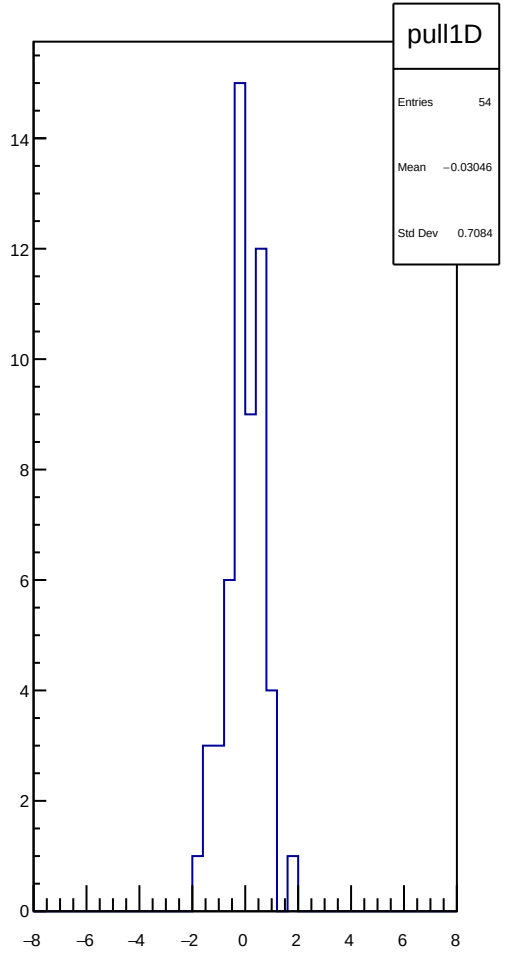

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 45.81 / 53
p0 0.03261 ± 0.0128
pull
Entries 54
Mean 1271
Std Dev 0

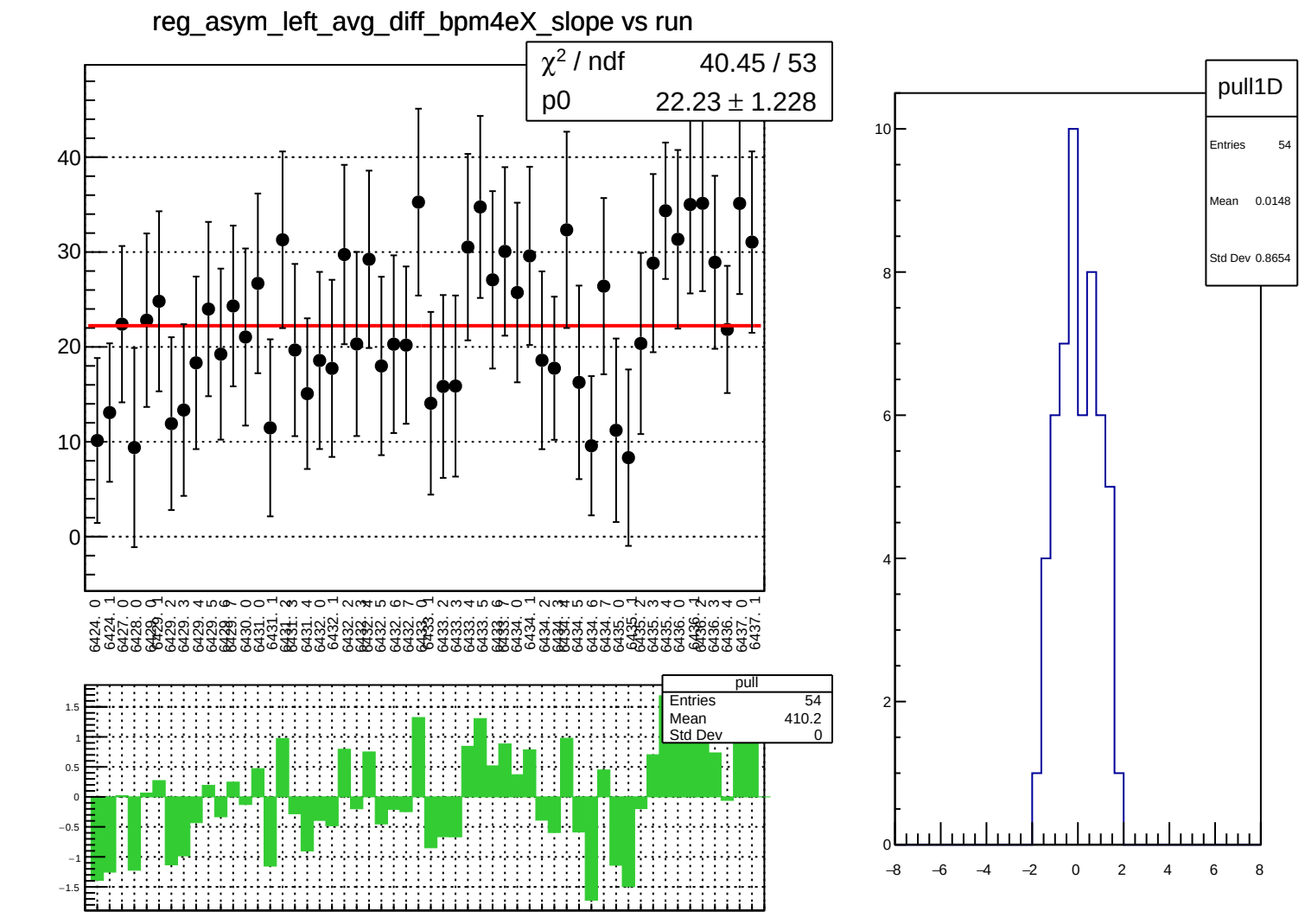

pull1D
Entries 54
Mean 0.001743
Std Dev 0.9211

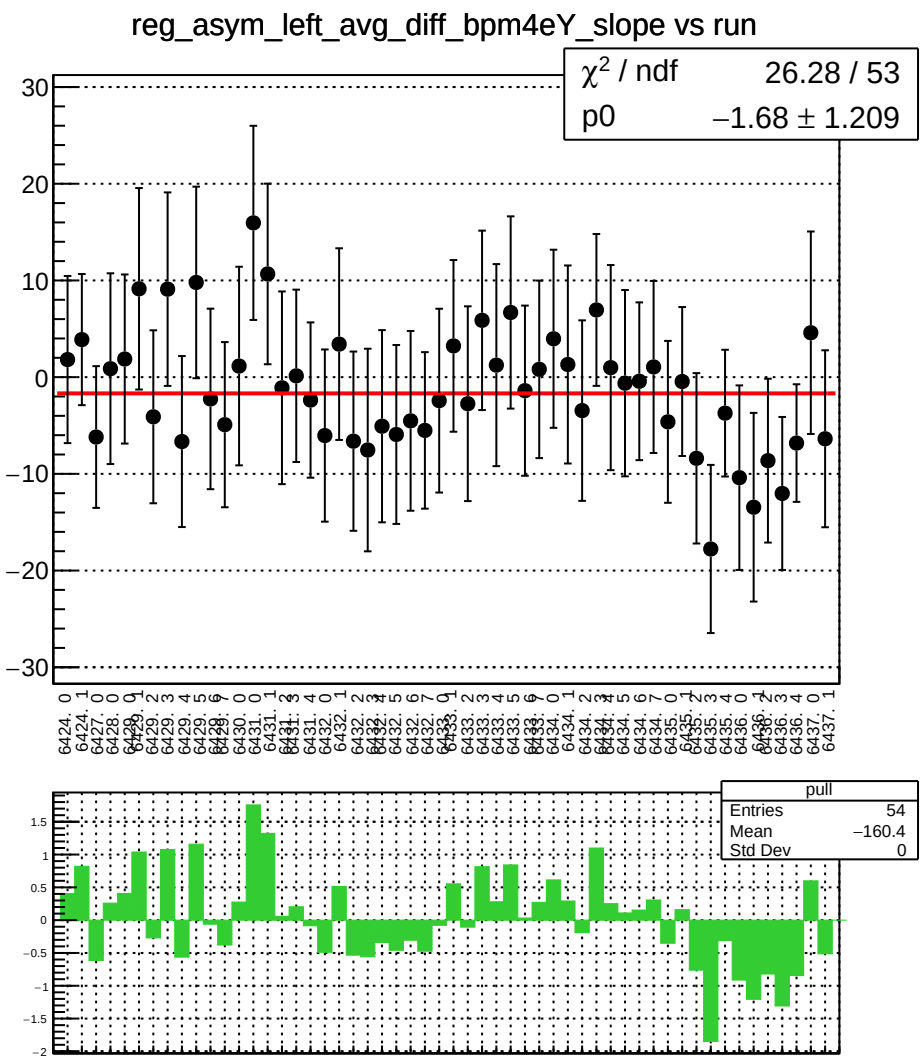

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 38.61 / 53
p0 −47.61 ± 1.175
pull
Entries 54
Mean 447.2
Std Dev 0

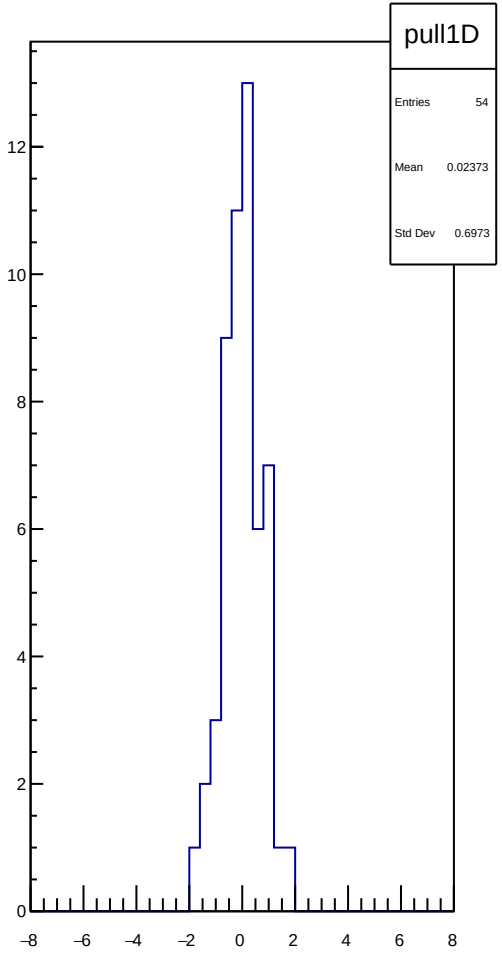

pull1D
Entries 54
Mean −0.01352
Std Dev 0.8454

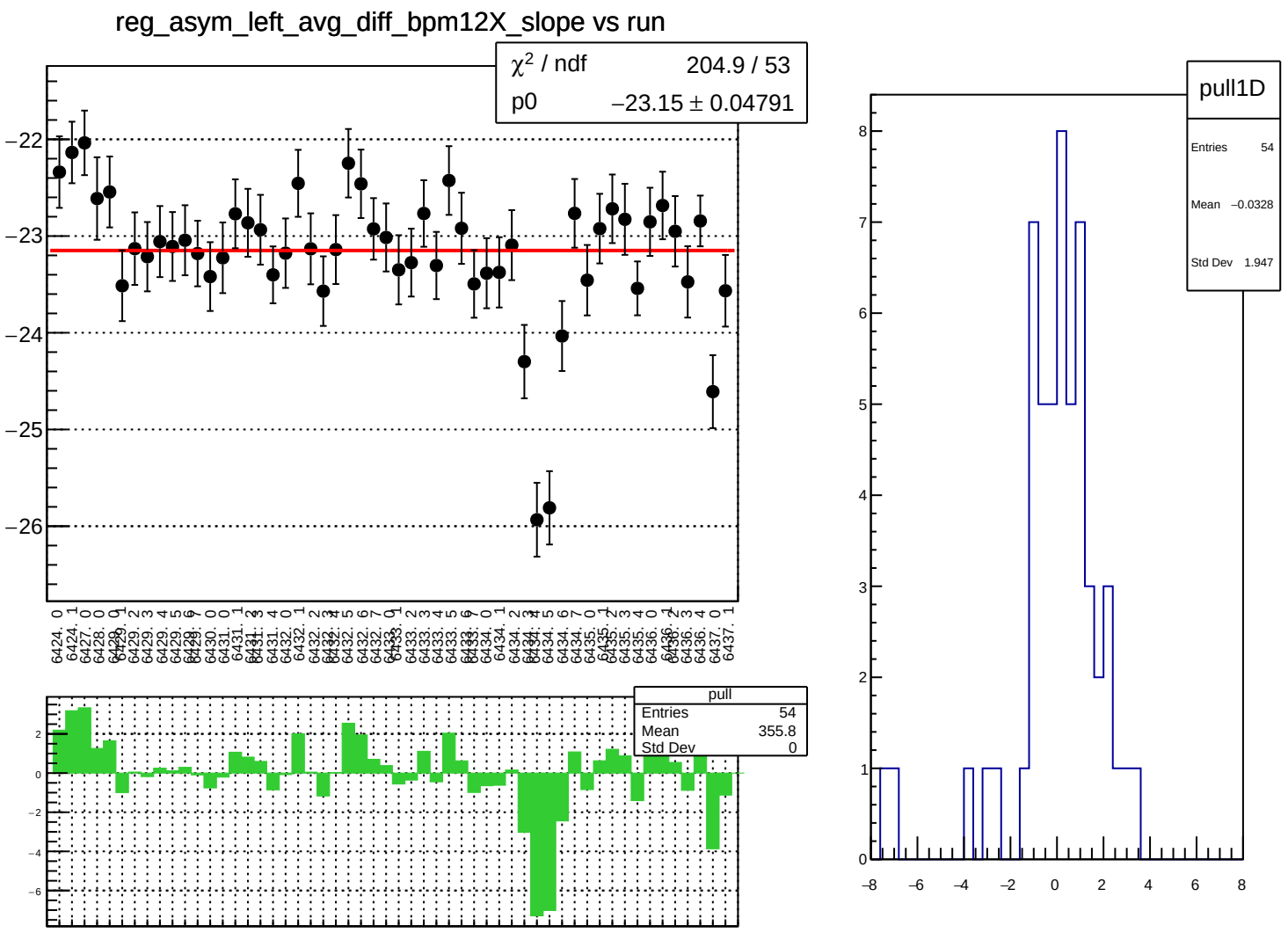

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.15 / 53
p0 10.2 ± 1.187
pull
Entries 54
Mean −75.74
Std Dev 0

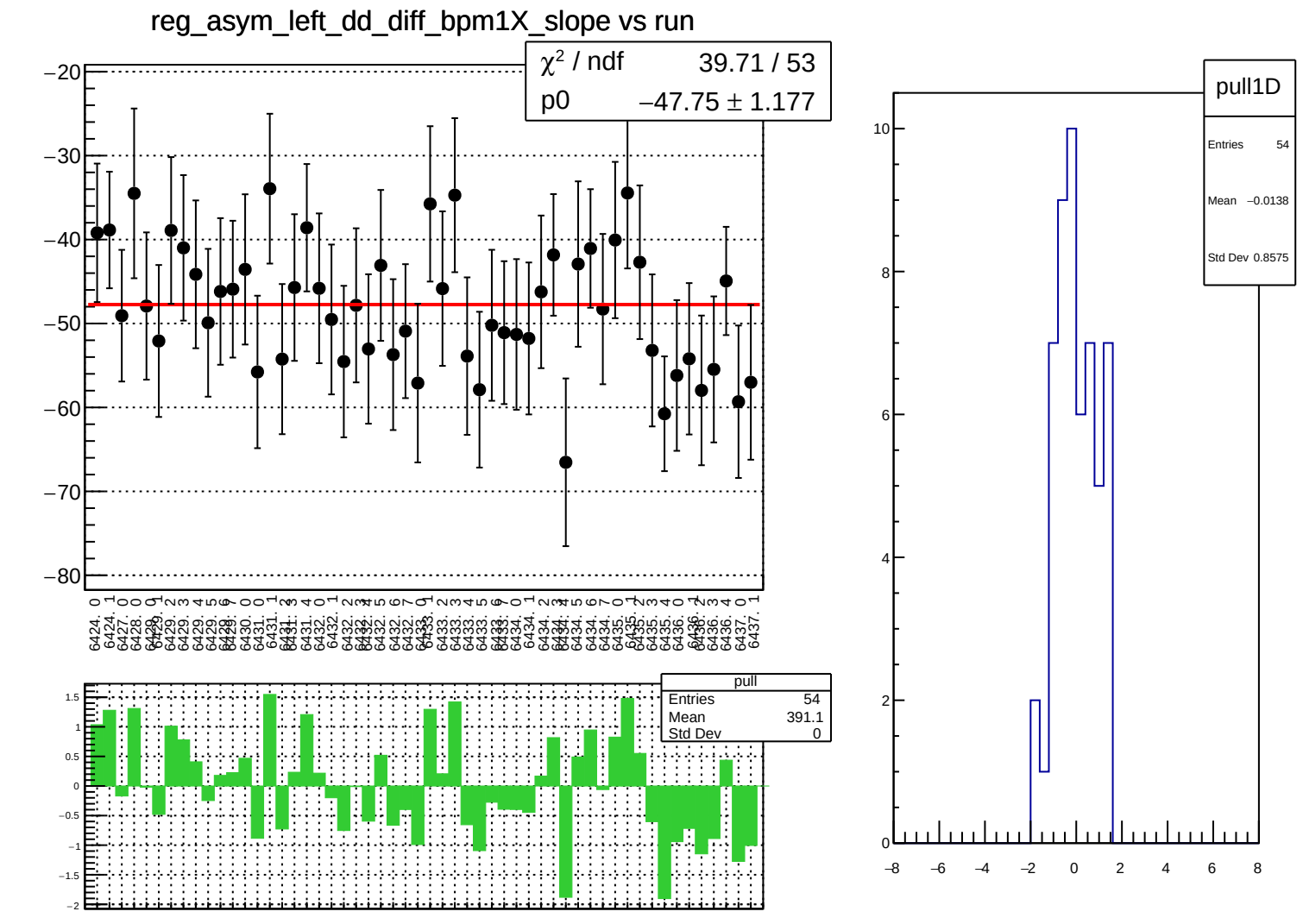

pull1D
Entries 54
Mean −0.03046
Std Dev 0.7084

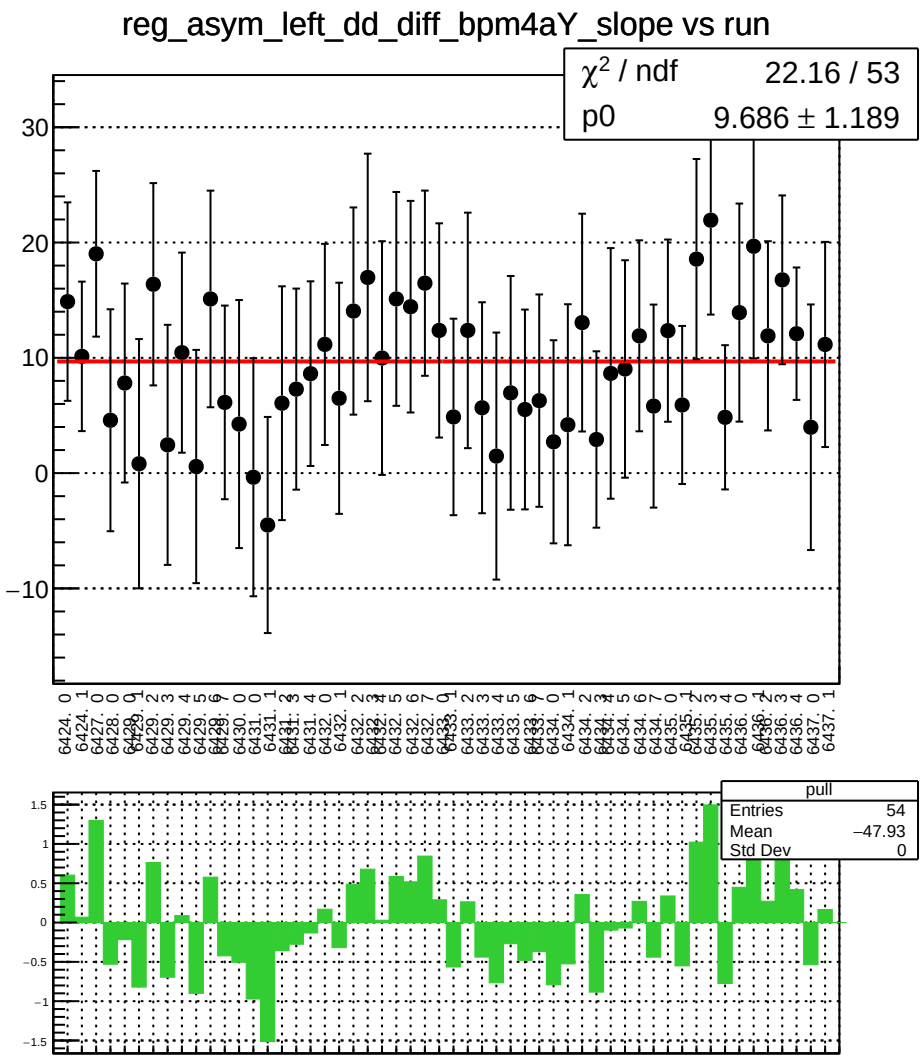

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.45 / 53
p0 22.23 ± 1.228
pull
Entries 54
Mean 410.2
Std Dev 0
pull1D
Entries 54
Mean 0.0148
Std Dev 0.8654

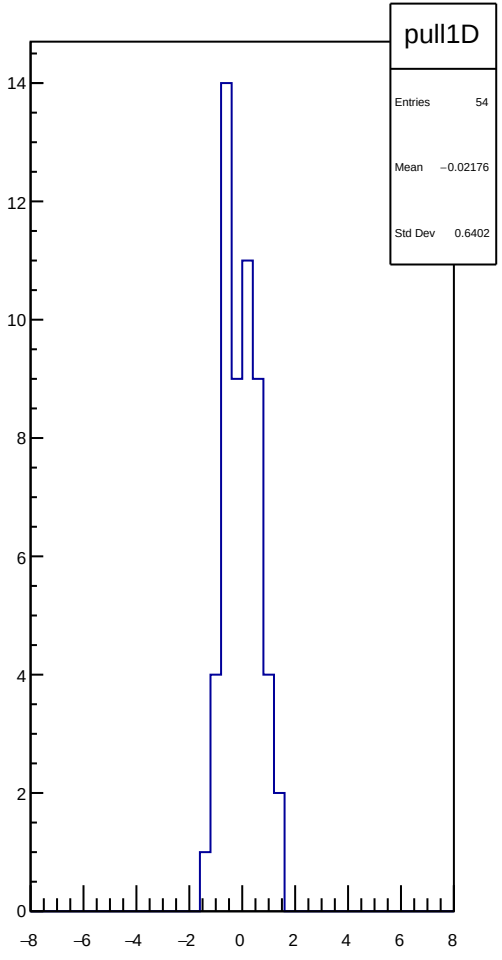

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.28 / 53
p0 −1.68 ± 1.209
pull
Entries 54
Mean −160.4
Std Dev 0

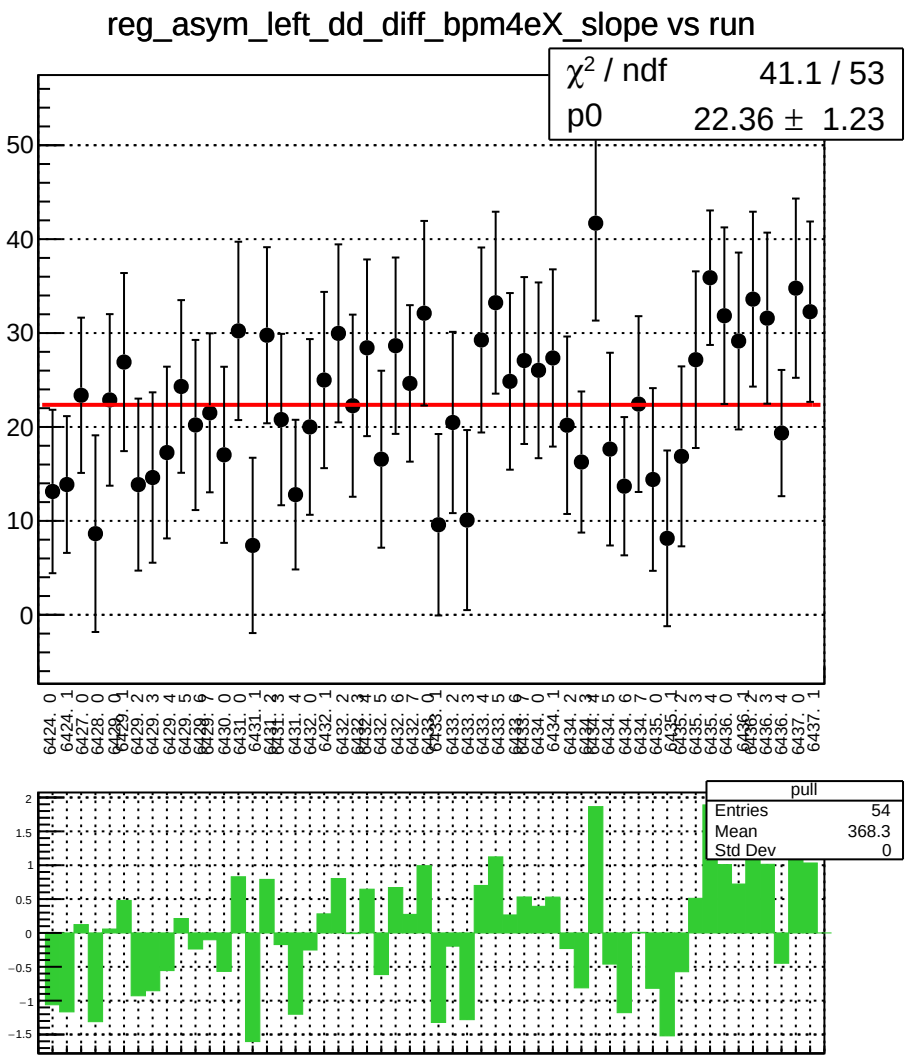

pull1D
Entries 54
Mean 0.02373
Std Dev 0.6973

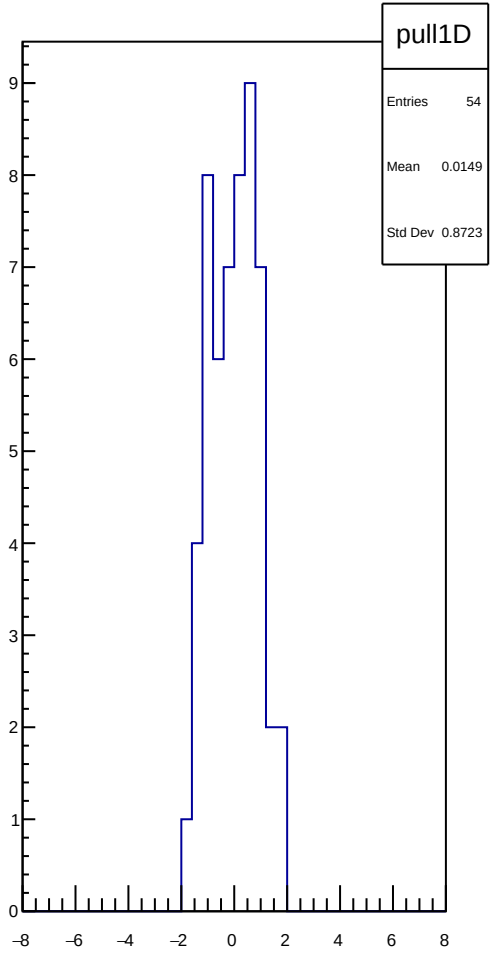

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 204.9 / 53
p0 −23.15 ± 0.04791
pull
Entries 54
Mean 355.8
Std Dev 0
pull1D
Entries 54
Mean −0.0328
Std Dev 1.947

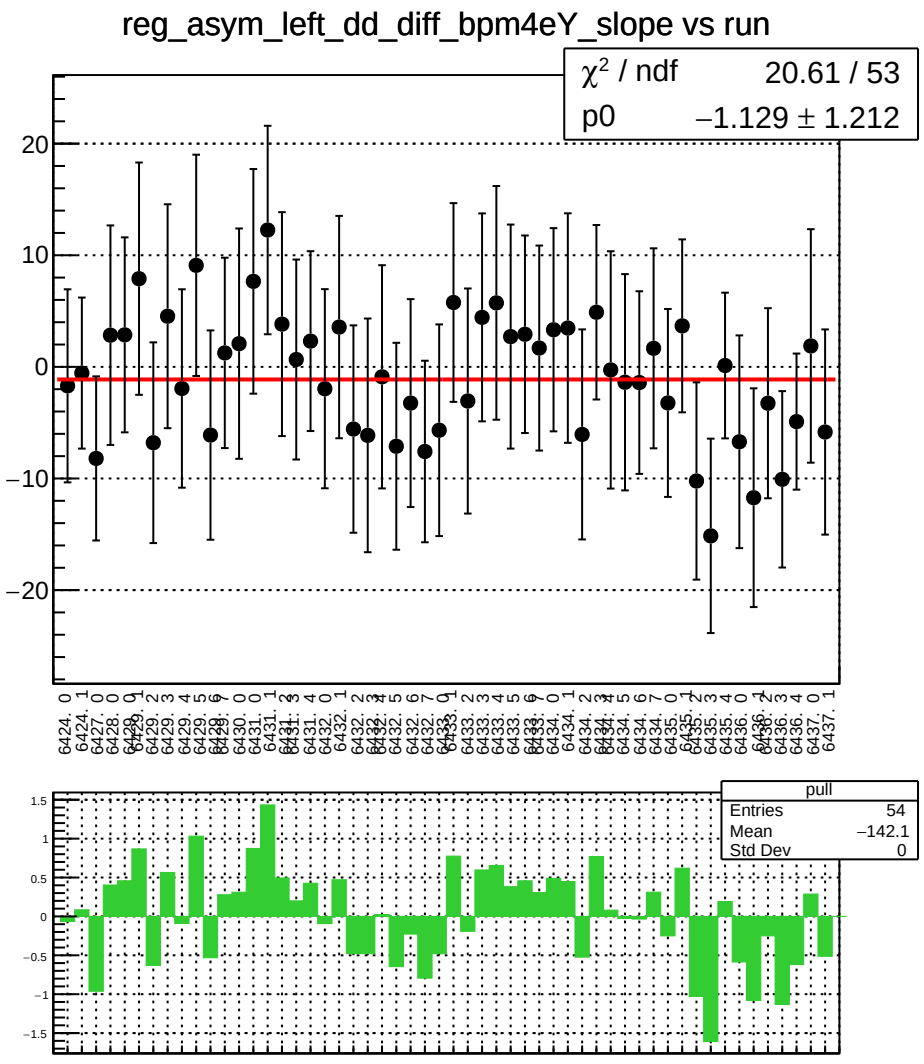

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 39.71 / 53
p0 −47.75 ± 1.177
pull
Entries 54
Mean 391.1
Std Dev 0
pull1D
Entries 54
Mean −0.0138
Std Dev 0.8575

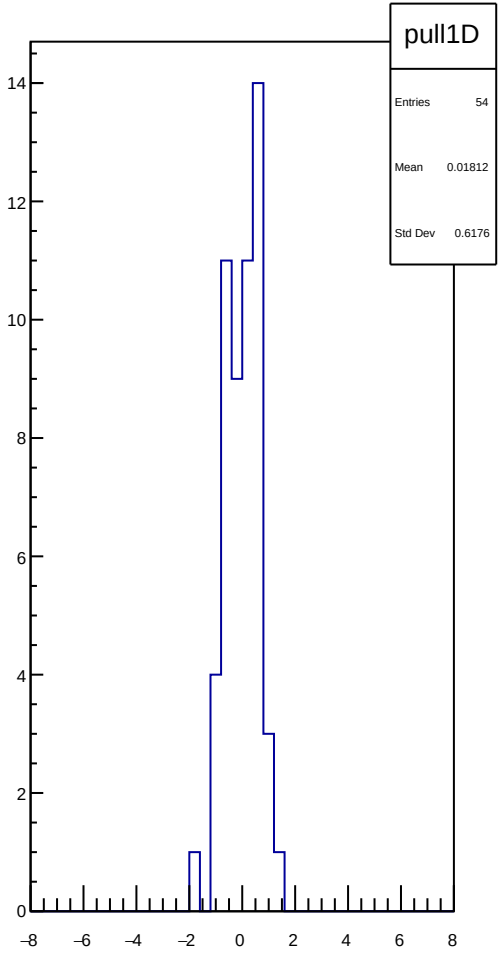

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.16 / 53
p0 9.686 ± 1.189
pull
Entries 54
Mean −47.93
Std Dev 0

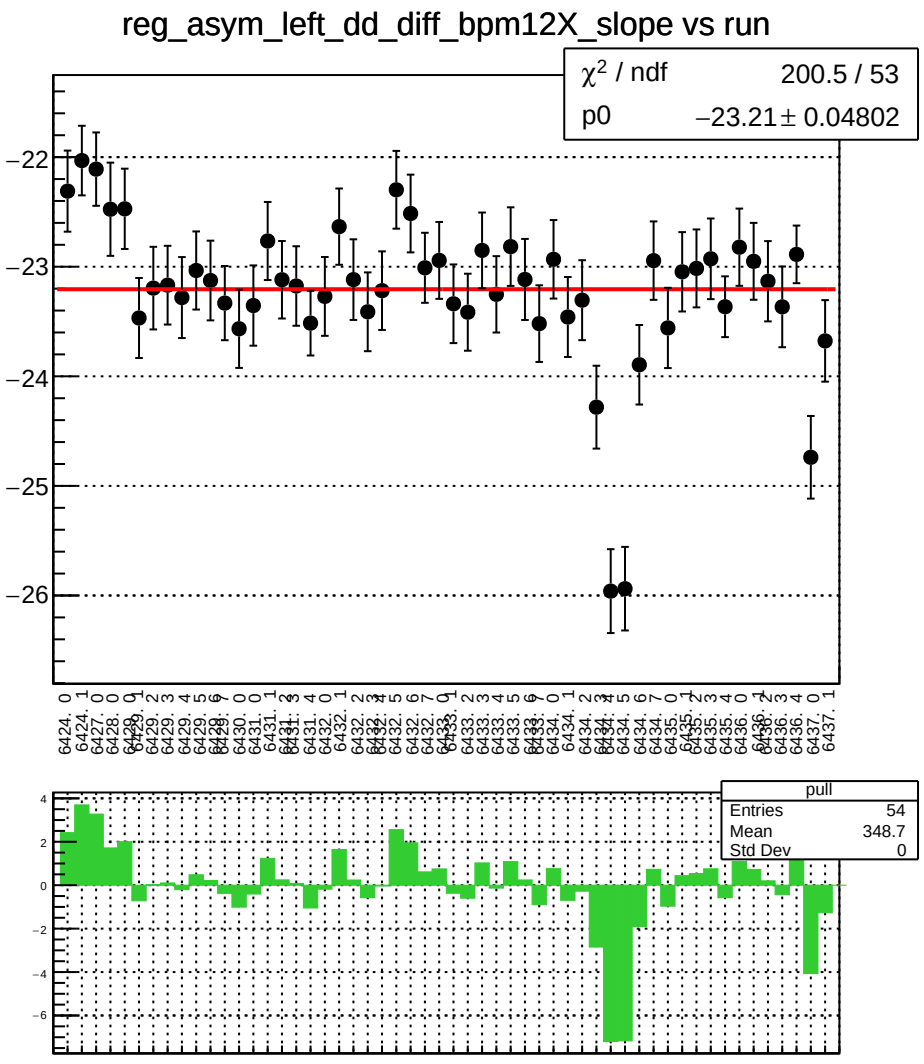

pull1D
Entries 54
Mean −0.02176
Std Dev 0.6402

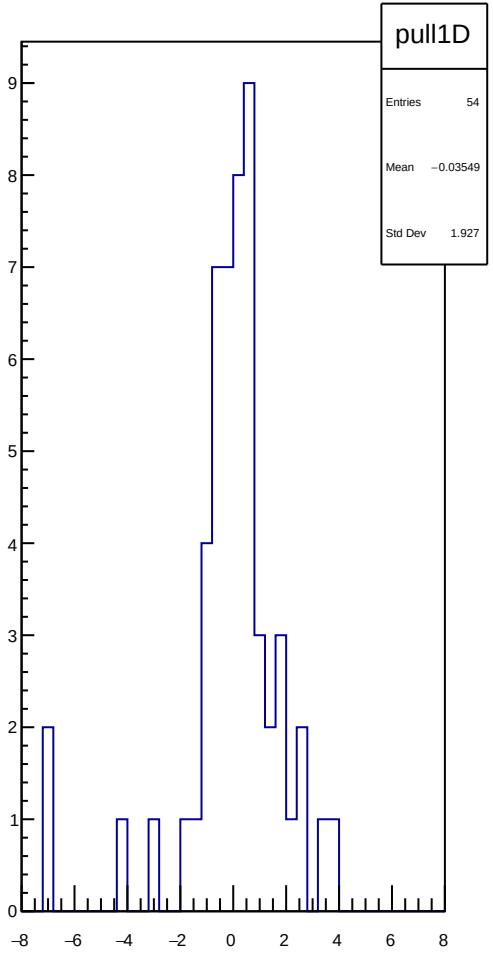

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.1 / 53
p0 22.36 ± 1.23
pull
Entries 54
Mean 368.3
Std Dev 0

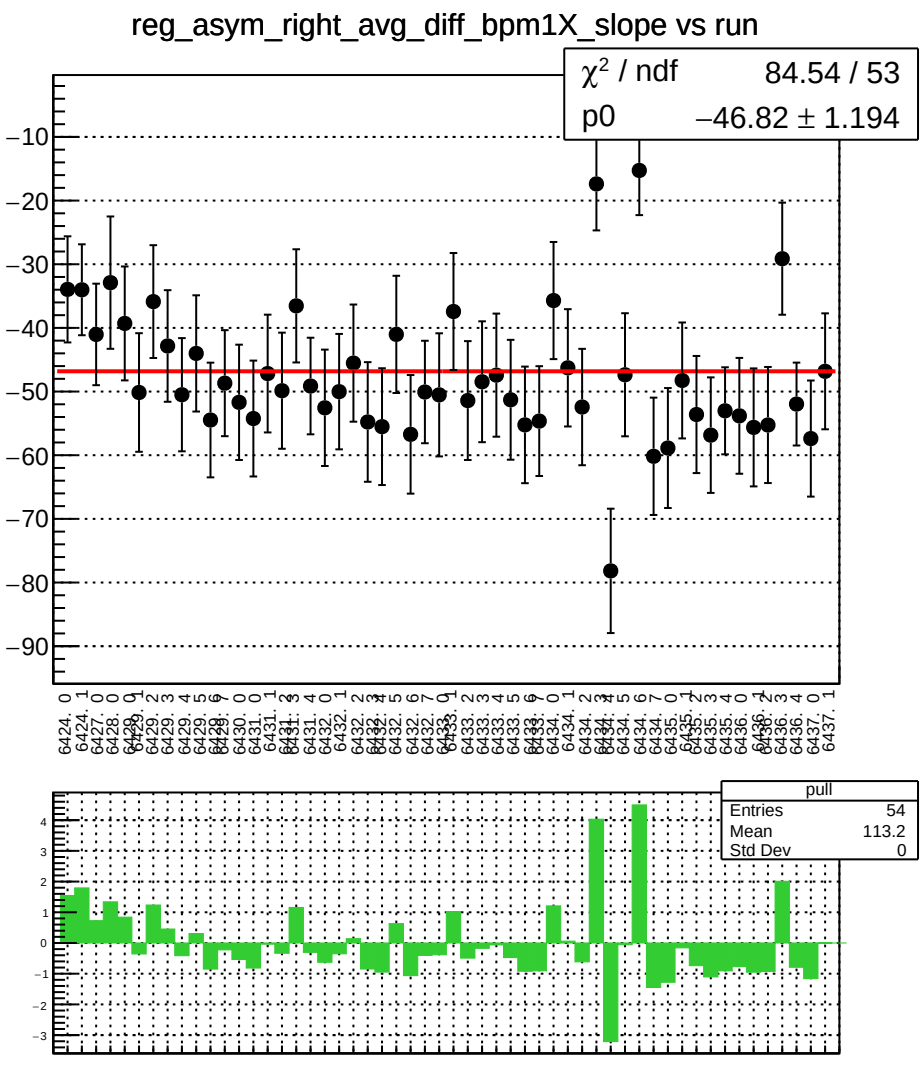

pull1D
Entries 54
Mean 0.0149
Std Dev 0.8723

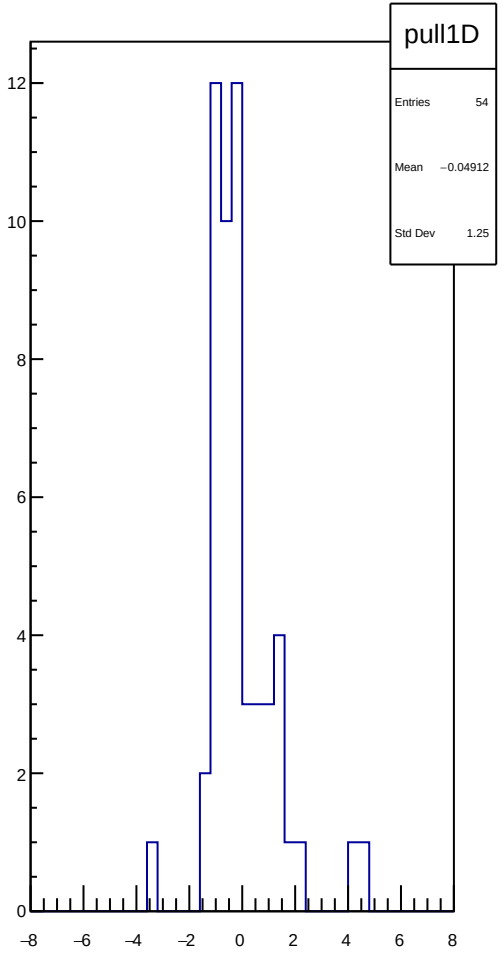

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.61 / 53
p0 −1.129 ± 1.212
pull
Entries 54
Mean −142.1
Std Dev 0

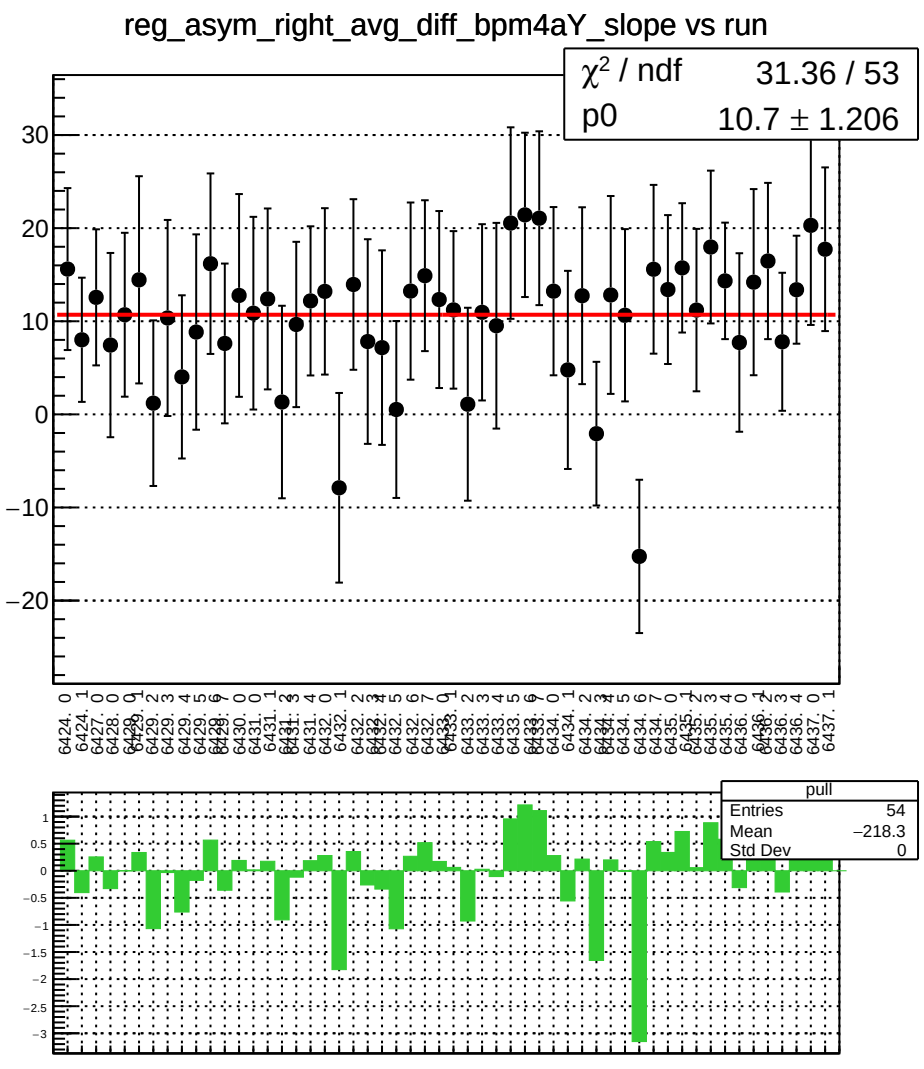

pull1D
Entries 54
Mean 0.01812
Std Dev 0.6176

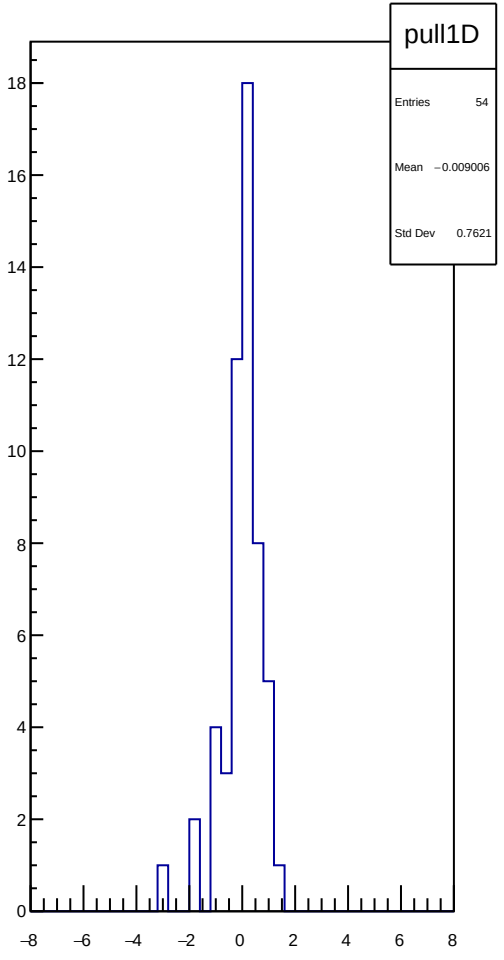

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 200.5 / 53
p0 −23.21 ± 0.04802
pull
Entries 54
Mean 348.7
Std Dev 0

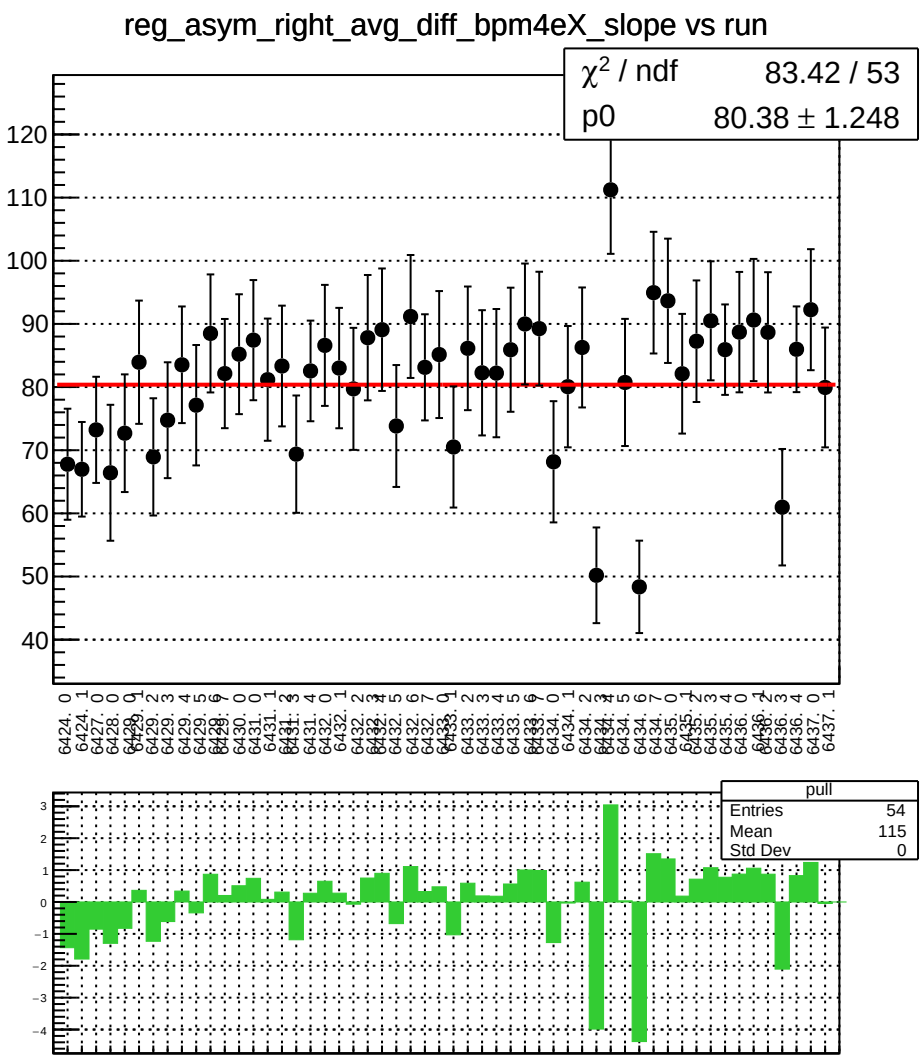

pull1D
Entries 54
Mean −0.03549
Std Dev 1.927

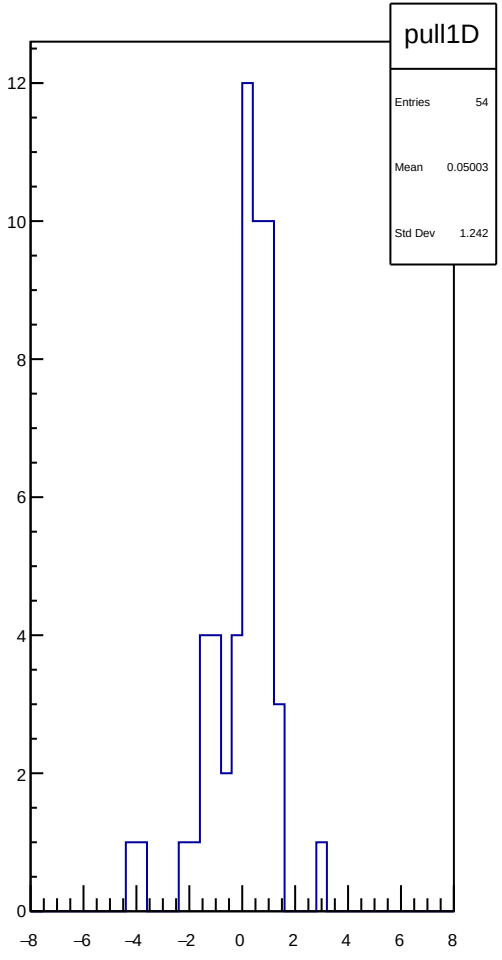

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 84.54 / 53
p0 −46.82 ± 1.194
pull
Entries 54
Mean 113.2
Std Dev 0

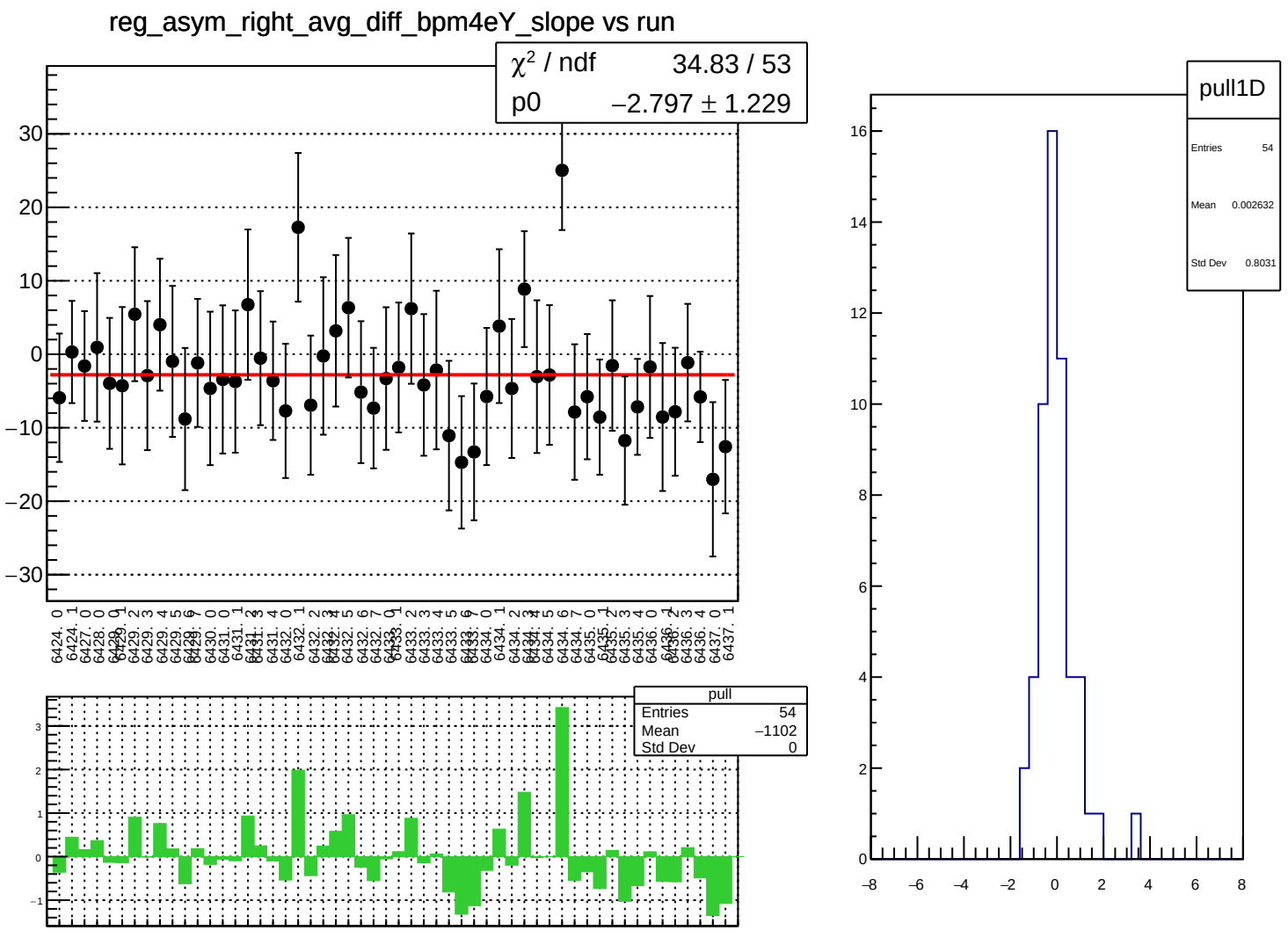

pull1D
Entries 54
Mean −0.04912
Std Dev 1.25

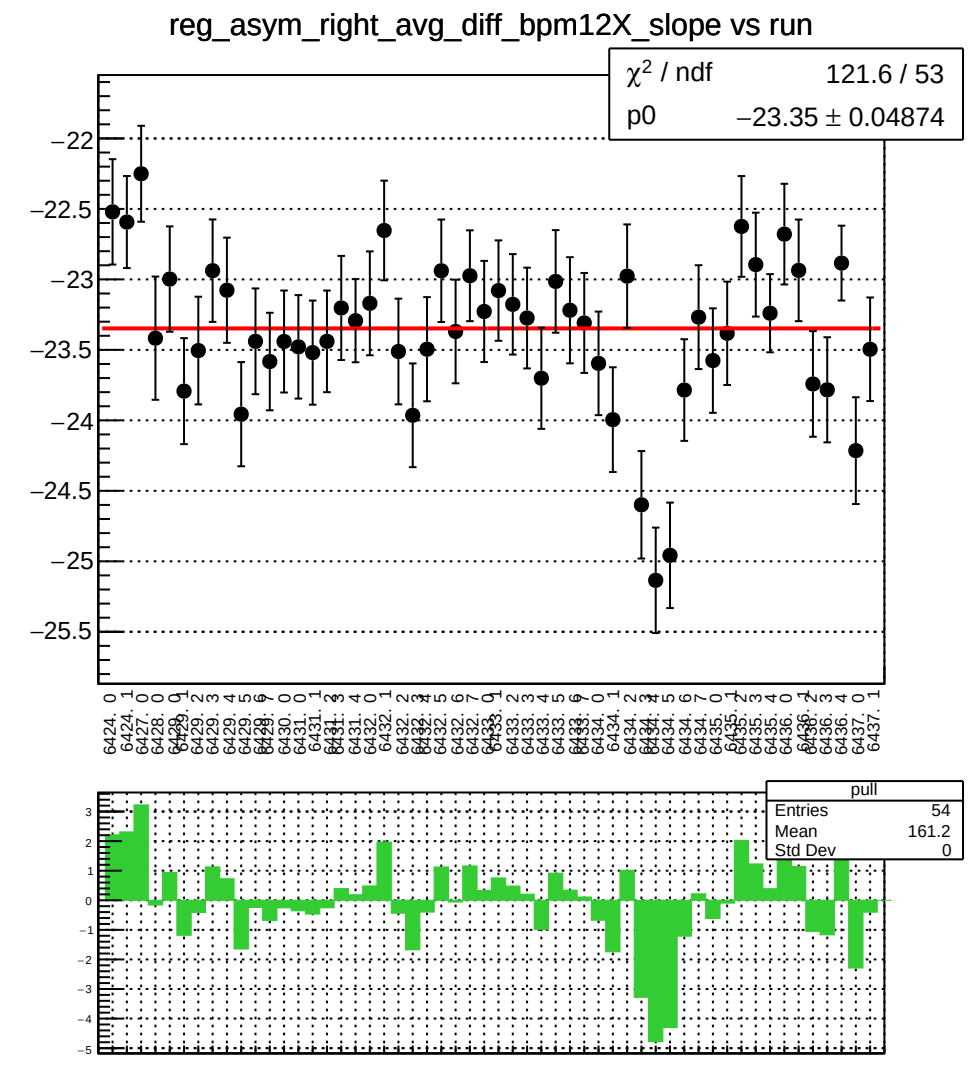

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.36 / 53
p0 10.7 ± 1.206
pull
Entries 54
Mean −218.3
Std Dev 0

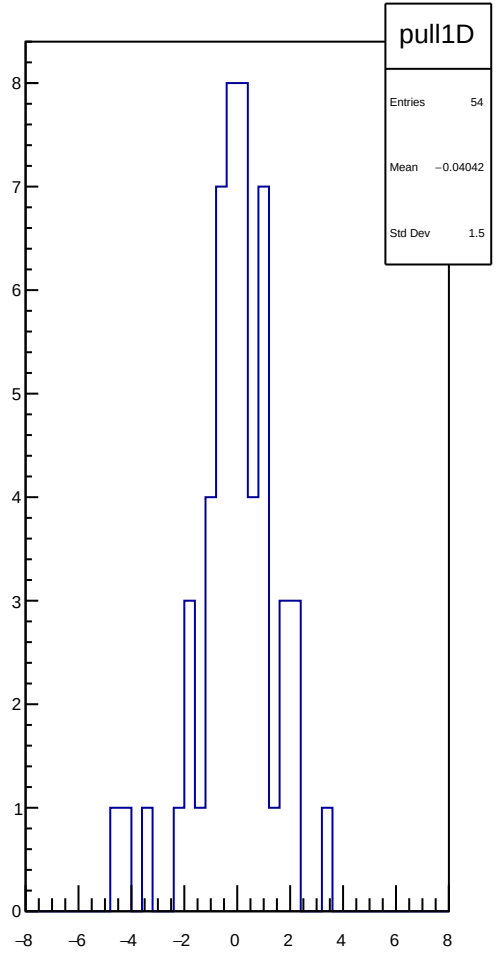

pull1D
Entries 54
Mean −0.009006
Std Dev 0.7621

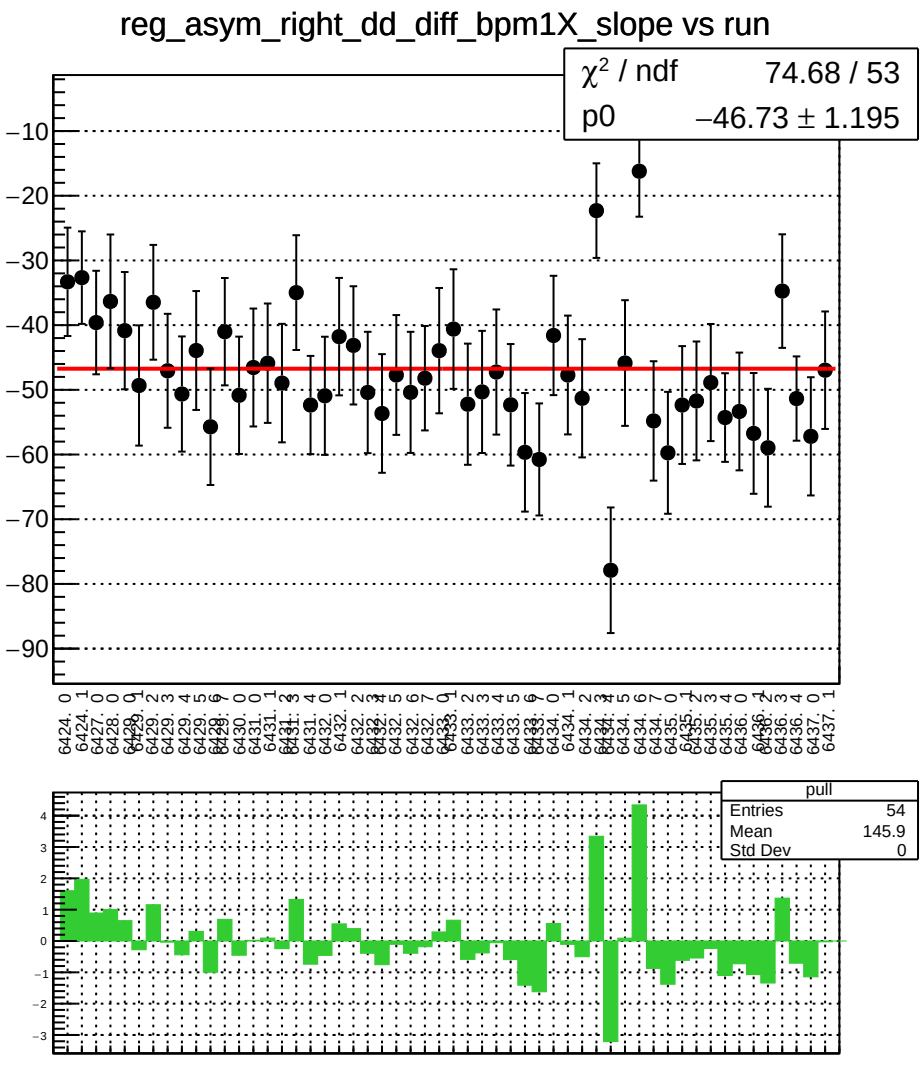

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.42 / 53
p0 80.38 ± 1.248
pull
Entries 54
Mean 115
Std Dev 0

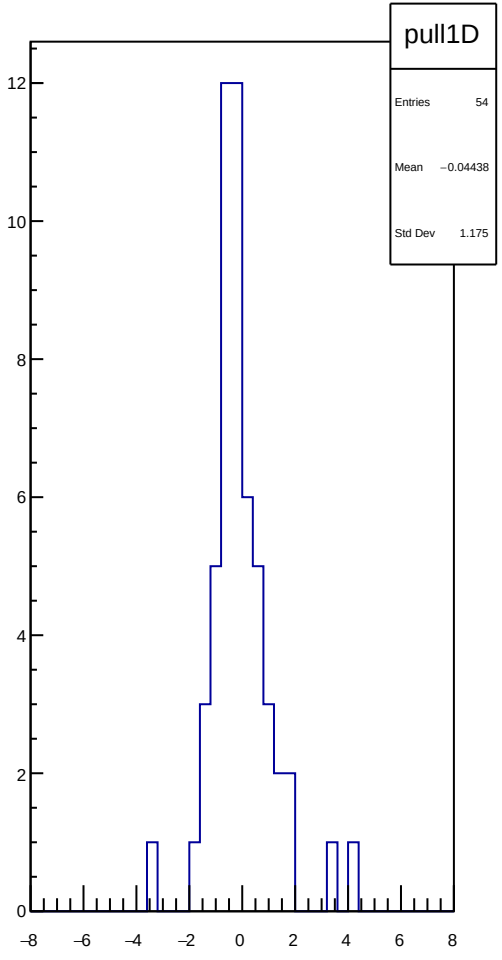

pull1D
Entries 54
Mean 0.05003
Std Dev 1.242

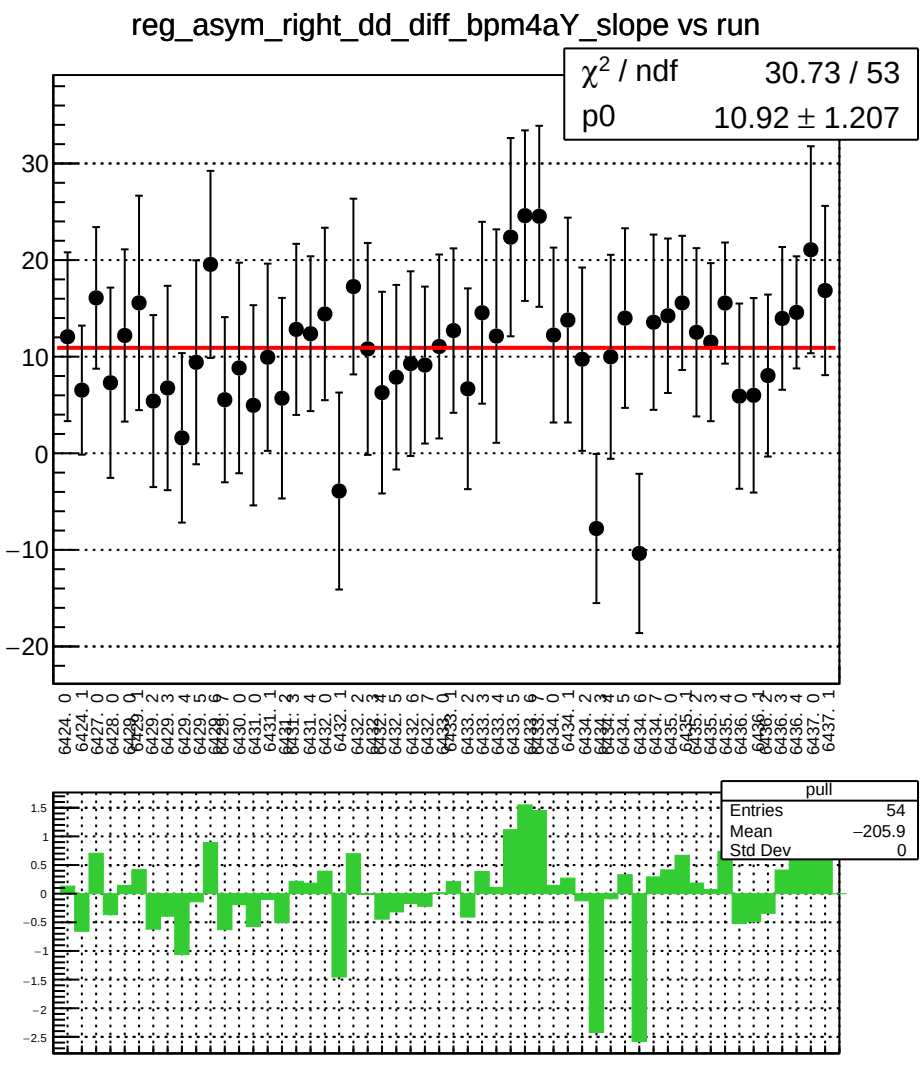

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.83 / 53
p0 −2.797 ± 1.229
pull
Entries 54
Mean −1102
Std Dev 0
pull1D
Entries 54
Mean 0.002632
Std Dev 0.8031

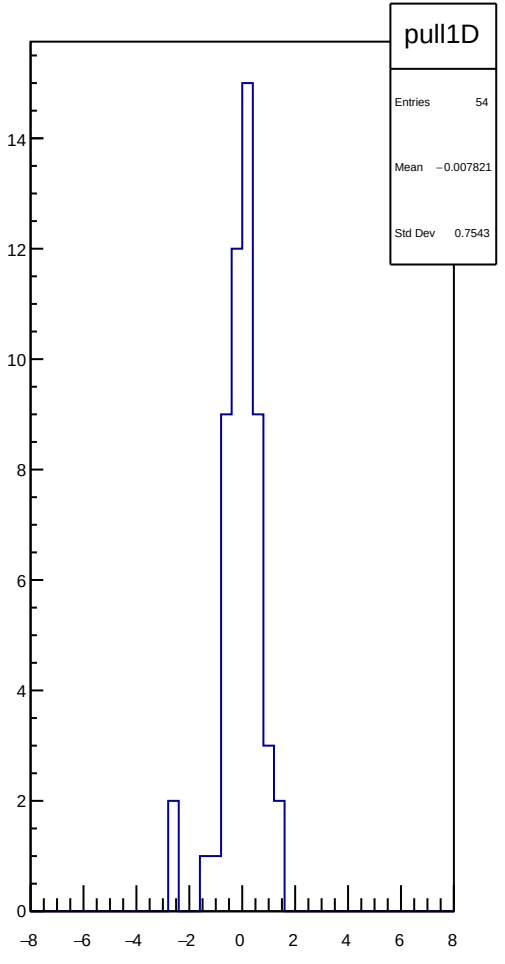

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 121.6 / 53
p0 −23.35 ± 0.04874
pull
Entries 54
Mean 161.2
Std Dev 0

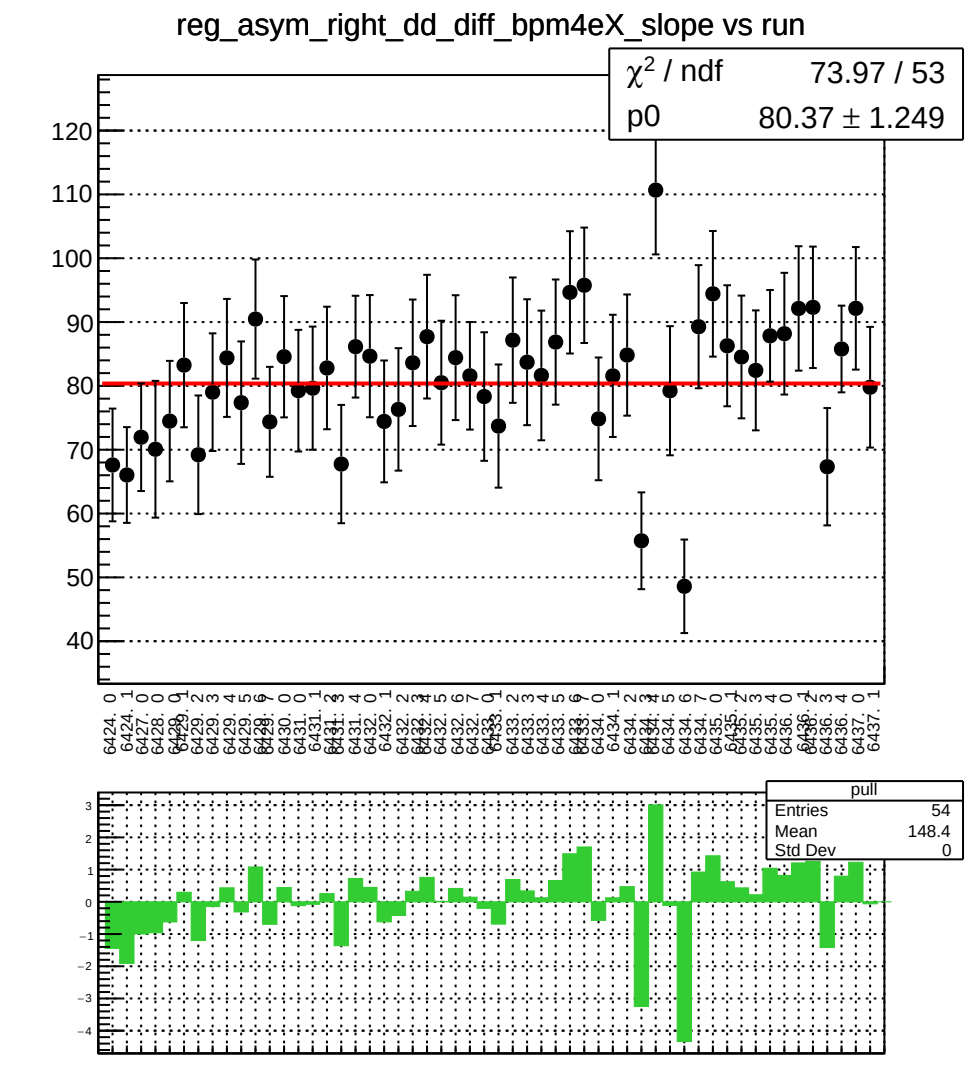

pull1D
Entries 54
Mean −0.04042
Std Dev 1.5

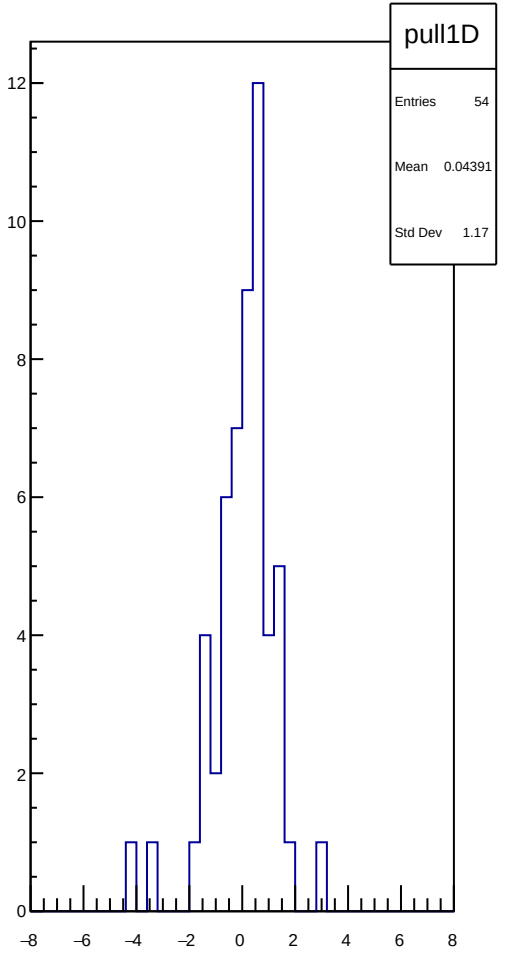

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 74.68 / 53
p0 −46.73 ± 1.195
pull
Entries 54
Mean 145.9
Std Dev 0

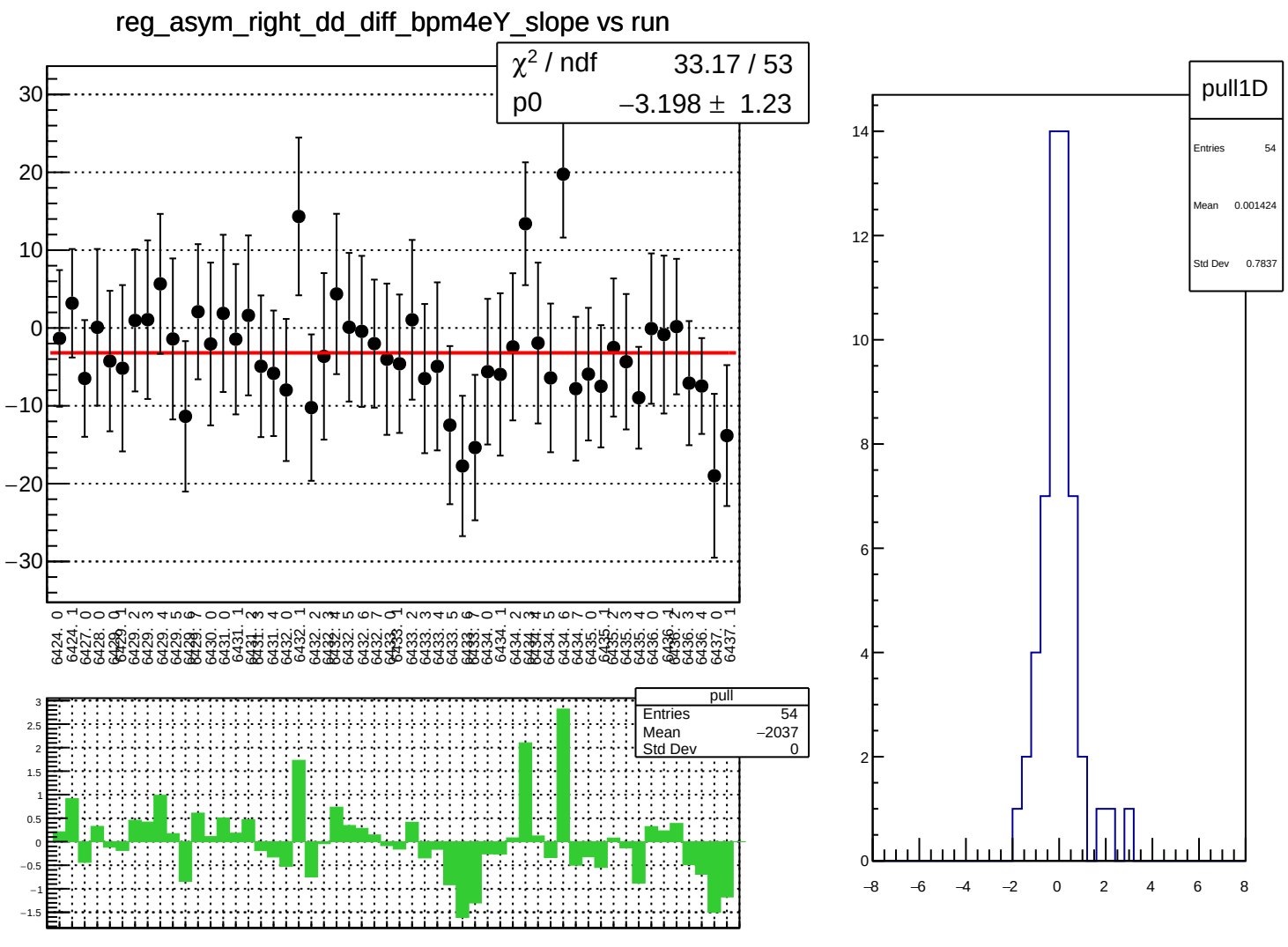

pull1D
Entries 54
Mean −0.04438
Std Dev 1.175

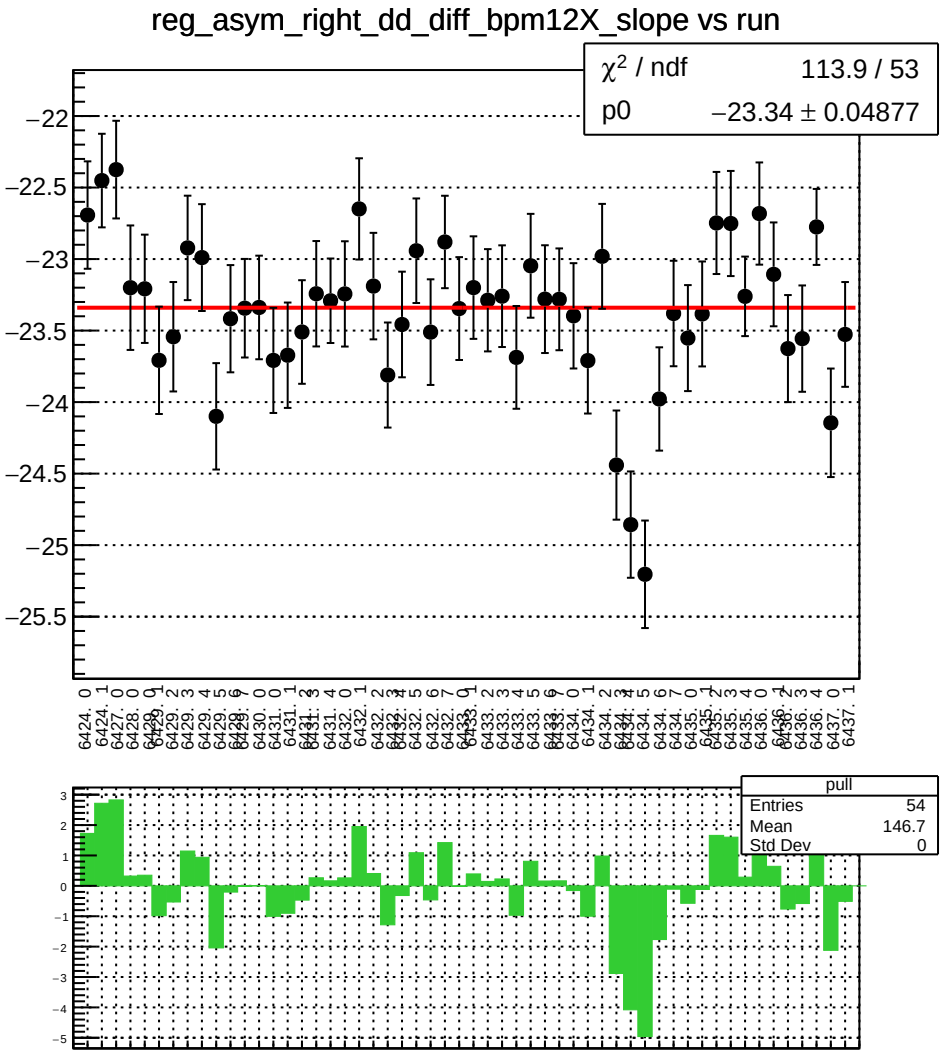

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.73 / 53
p0 10.92 ± 1.207
pull
Entries 54
Mean −205.9
Std Dev 0

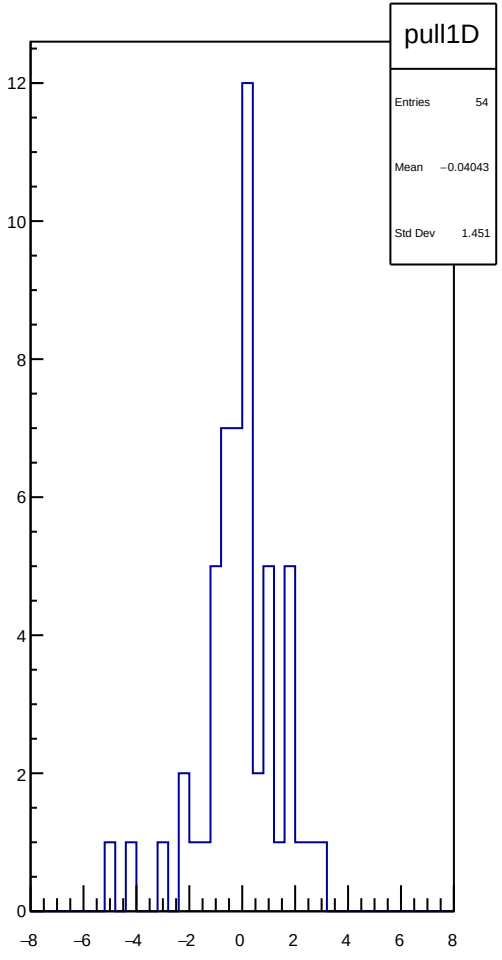

pull1D
Entries 54
Mean −0.007821
Std Dev 0.7543

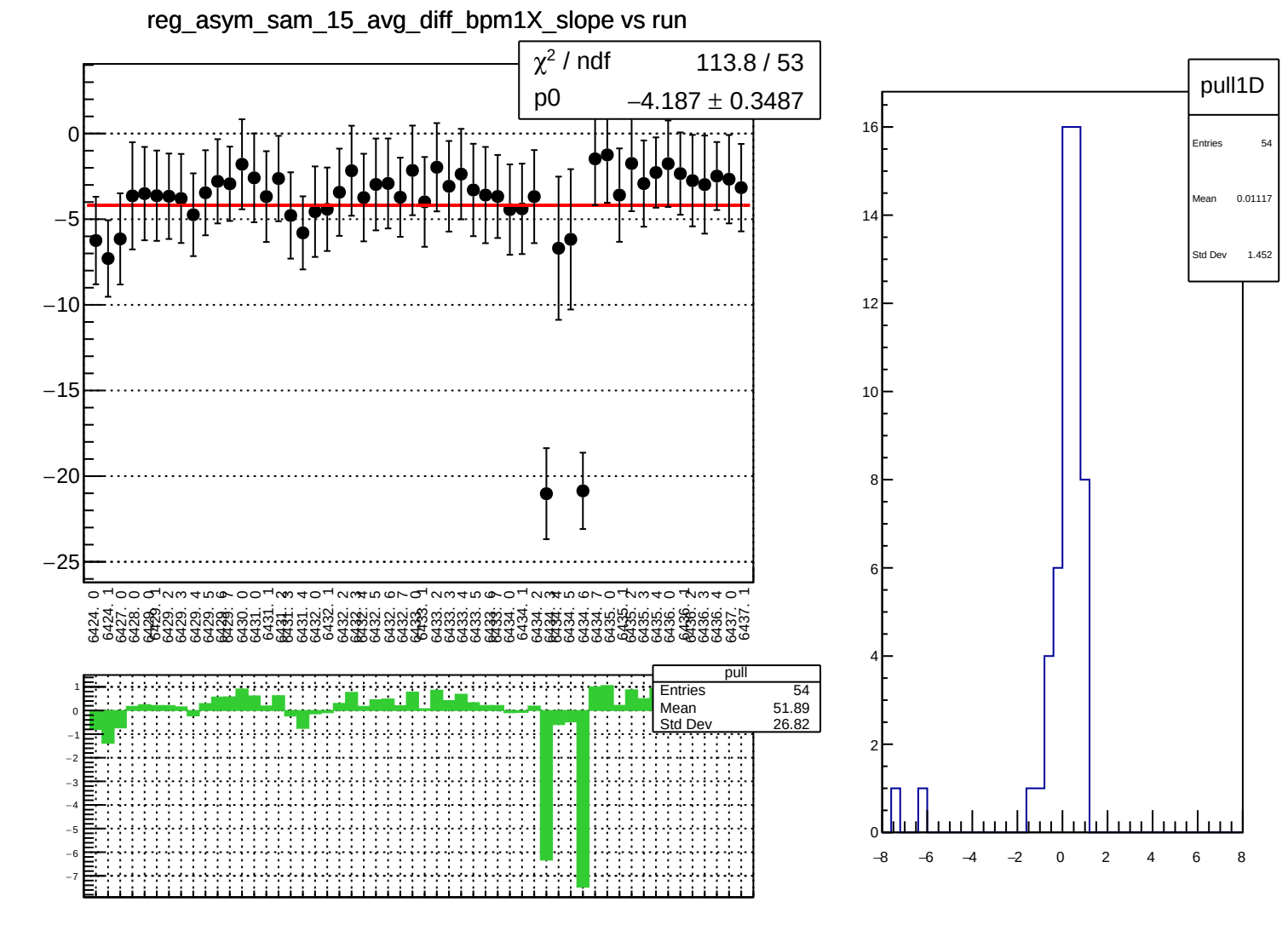

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.97 / 53
p0 80.37 ± 1.249
pull
Entries 54
Mean 148.4
Std Dev 0

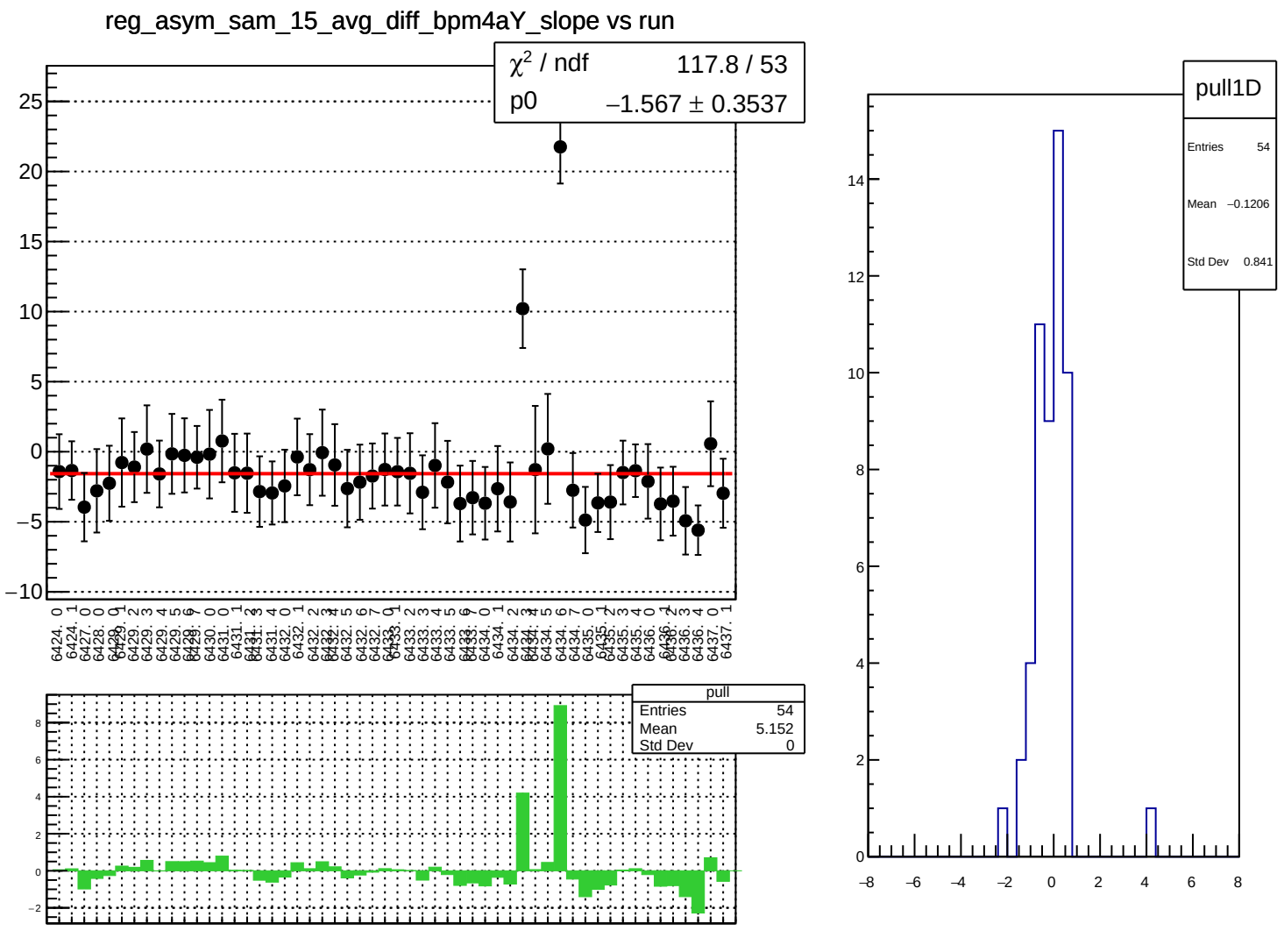

pull1D
Entries 54
Mean 0.04391
Std Dev 1.17

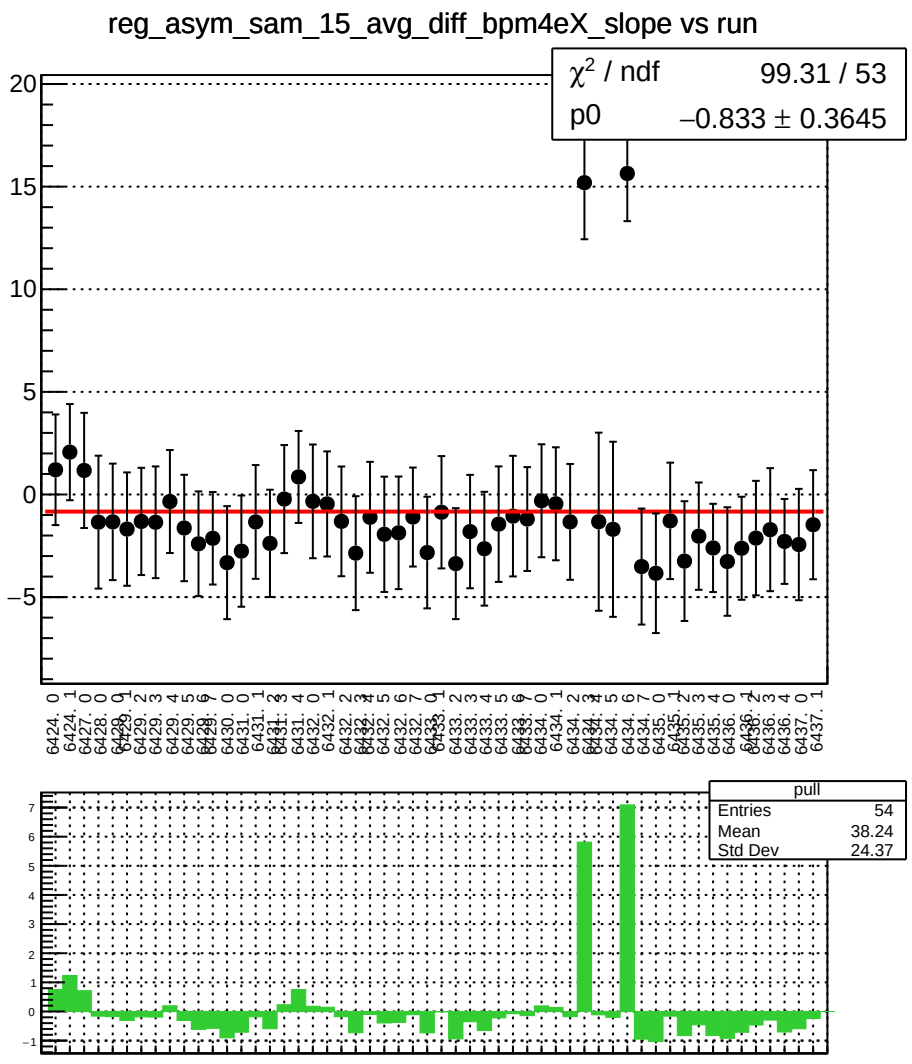

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.17 / 53
p0 −3.198 ± 1.23
pull
Entries 54
Mean −2037
Std Dev 0
pull1D
Entries 54
Mean 0.001424
Std Dev 0.7837

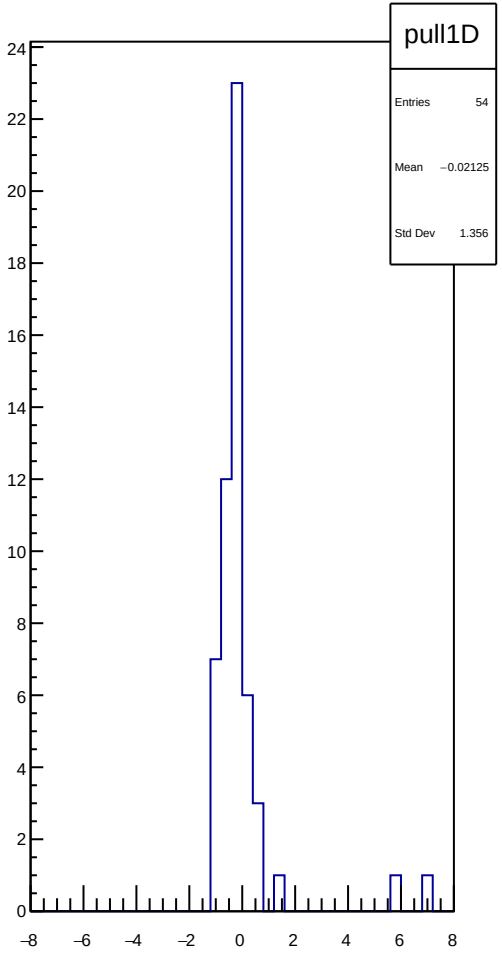

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 113.9 / 53
p0 −23.34 ± 0.04877
pull
Entries 54
Mean 146.7
Std Dev 0

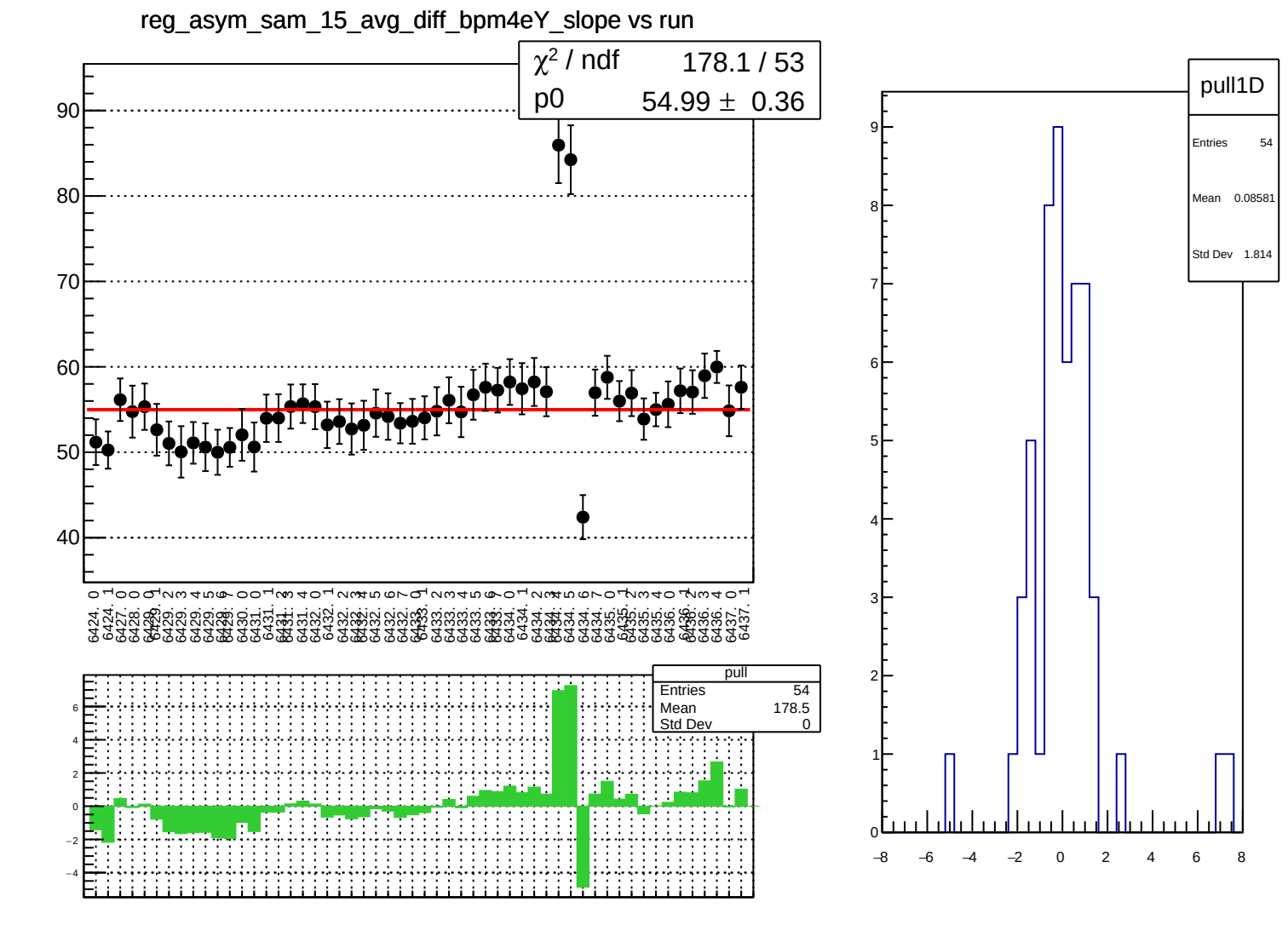

pull1D
Entries 54
Mean −0.04043
Std Dev 1.451

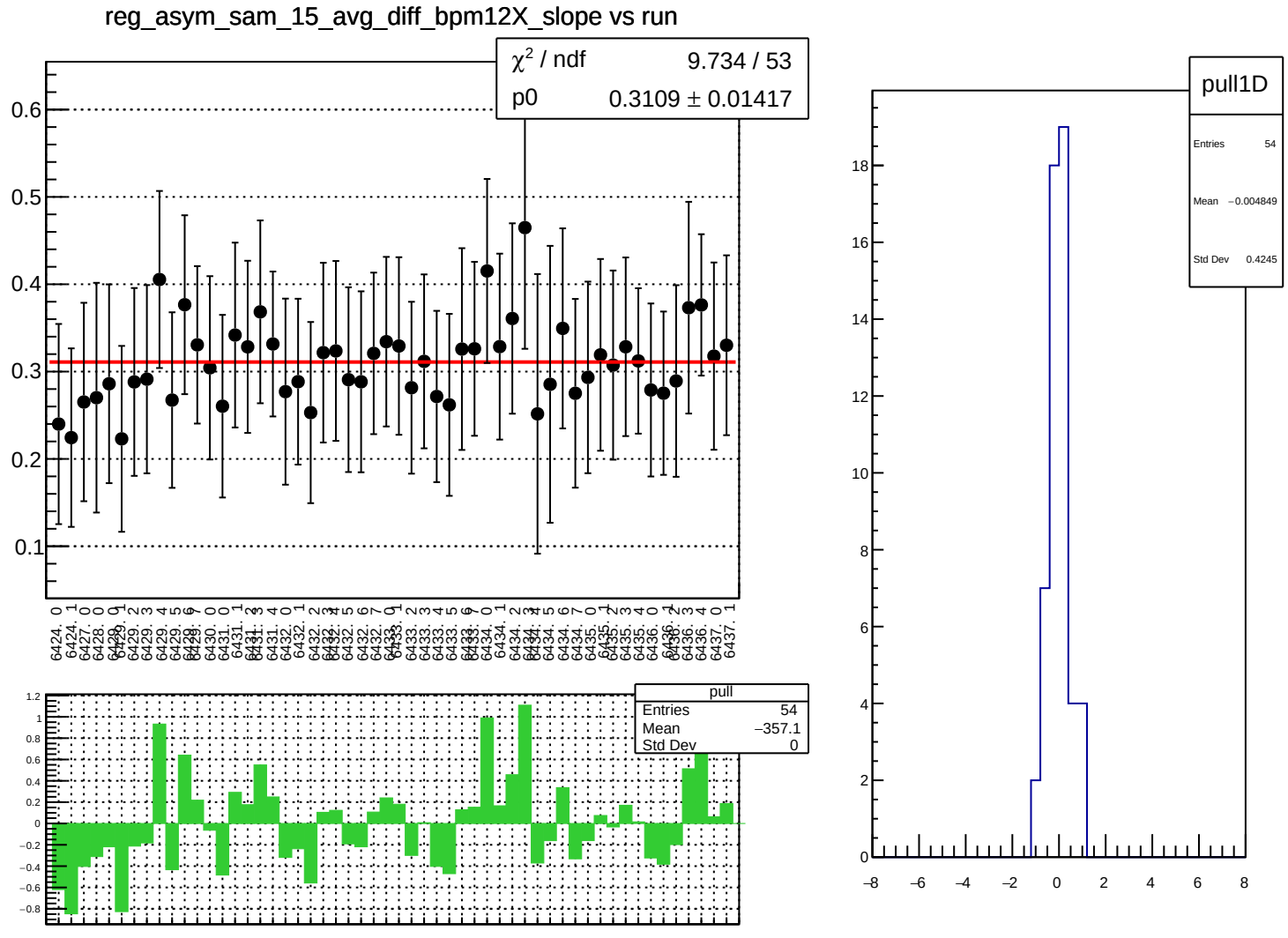

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 113.8 / 53
p0 −4.187 ± 0.3487
pull
Entries 54
Mean 51.89
Std Dev 26.82
pull1D
Entries 54
Mean 0.01117
Std Dev 1.452

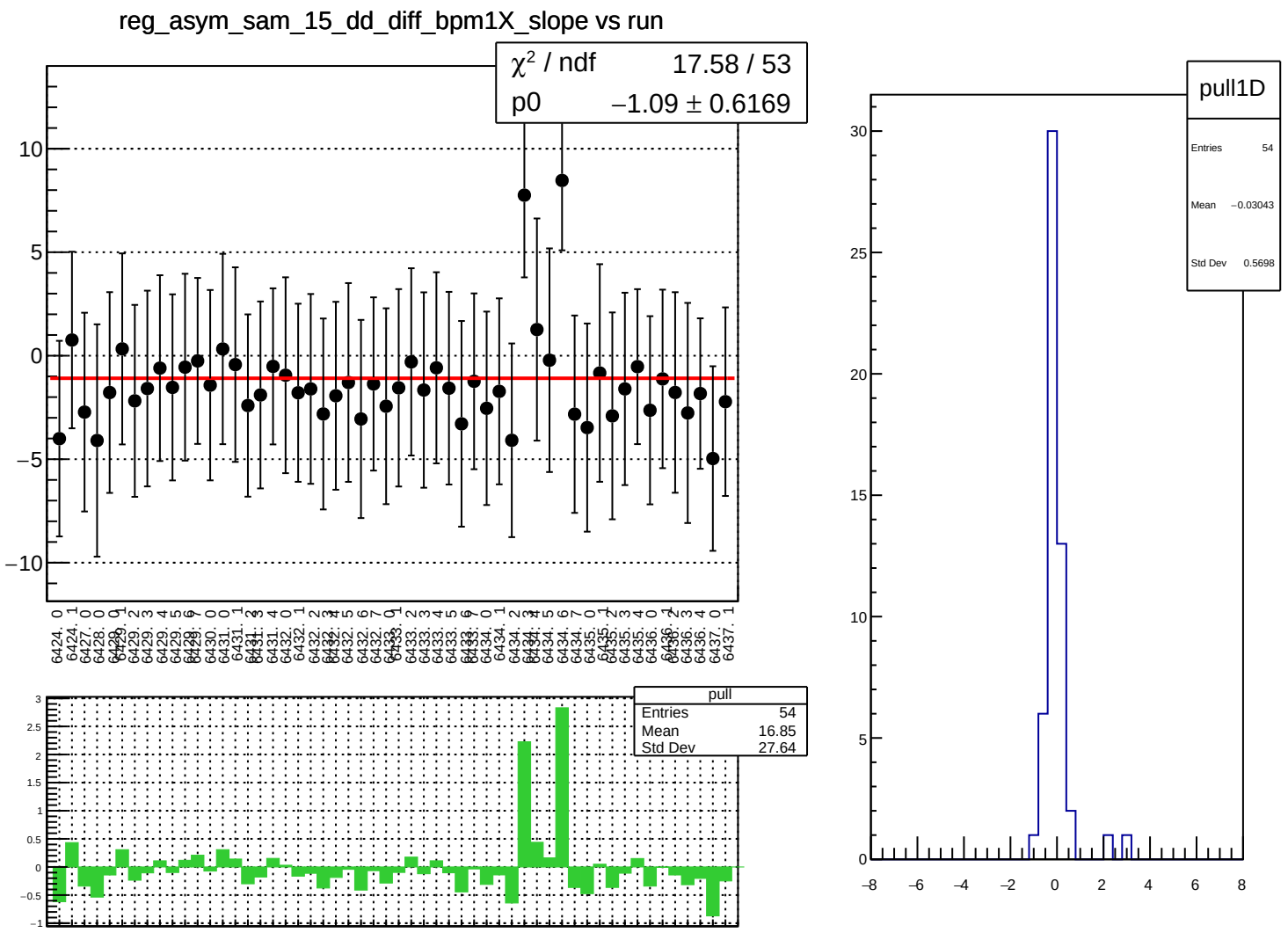

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 117.8 / 53
p0 −1.567 ± 0.3537
pull
Entries 54
Mean 5.152
Std Dev 0
pull1D
Entries 54
Mean −0.1206
Std Dev 0.841

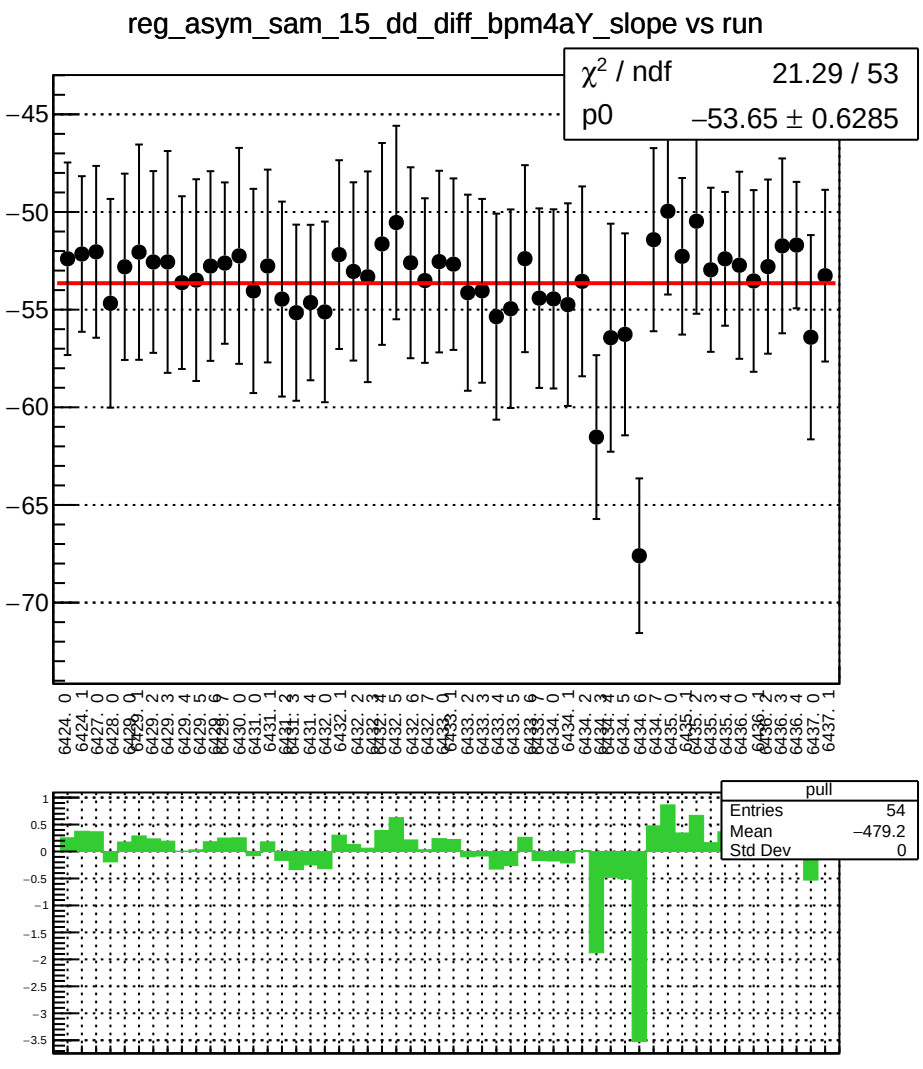

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.31 / 53
p0 −0.833 ± 0.3645
pull
Entries 54
Mean 38.24
Std Dev 24.37

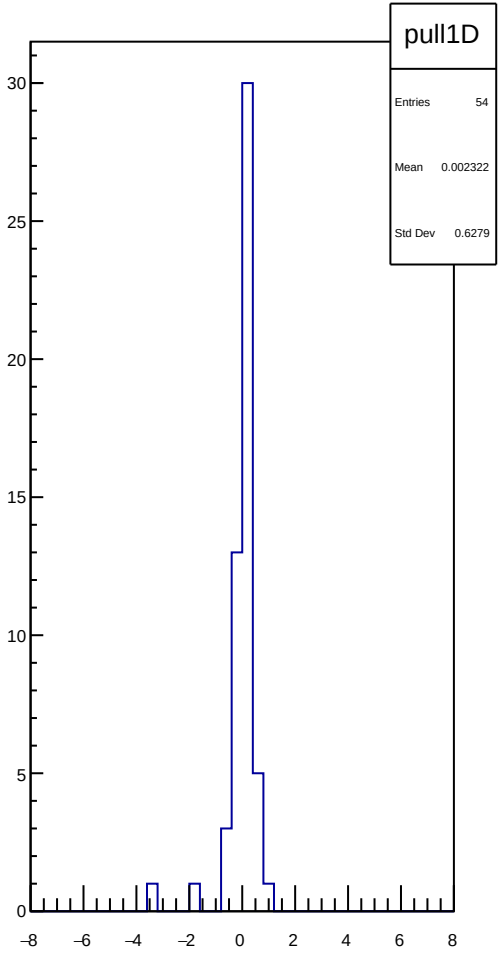

pull1D
Entries 54
Mean −0.02125
Std Dev 1.356

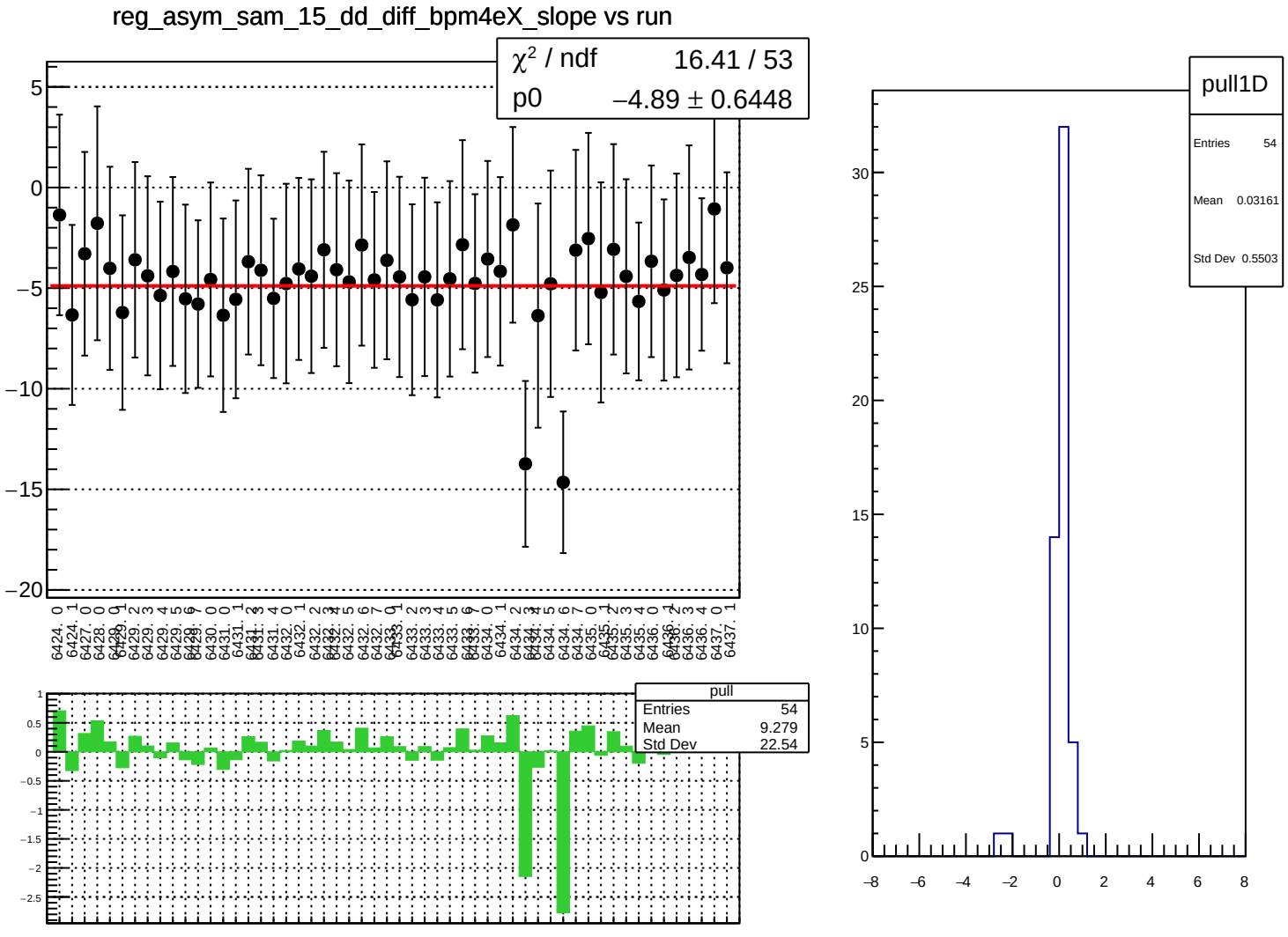

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 178.1 / 53
p0 54.99 ± 0.36
pull
Entries 54
Mean 178.5
Std Dev 0
pull1D
Entries 54
Mean 0.08581
Std Dev 1.814

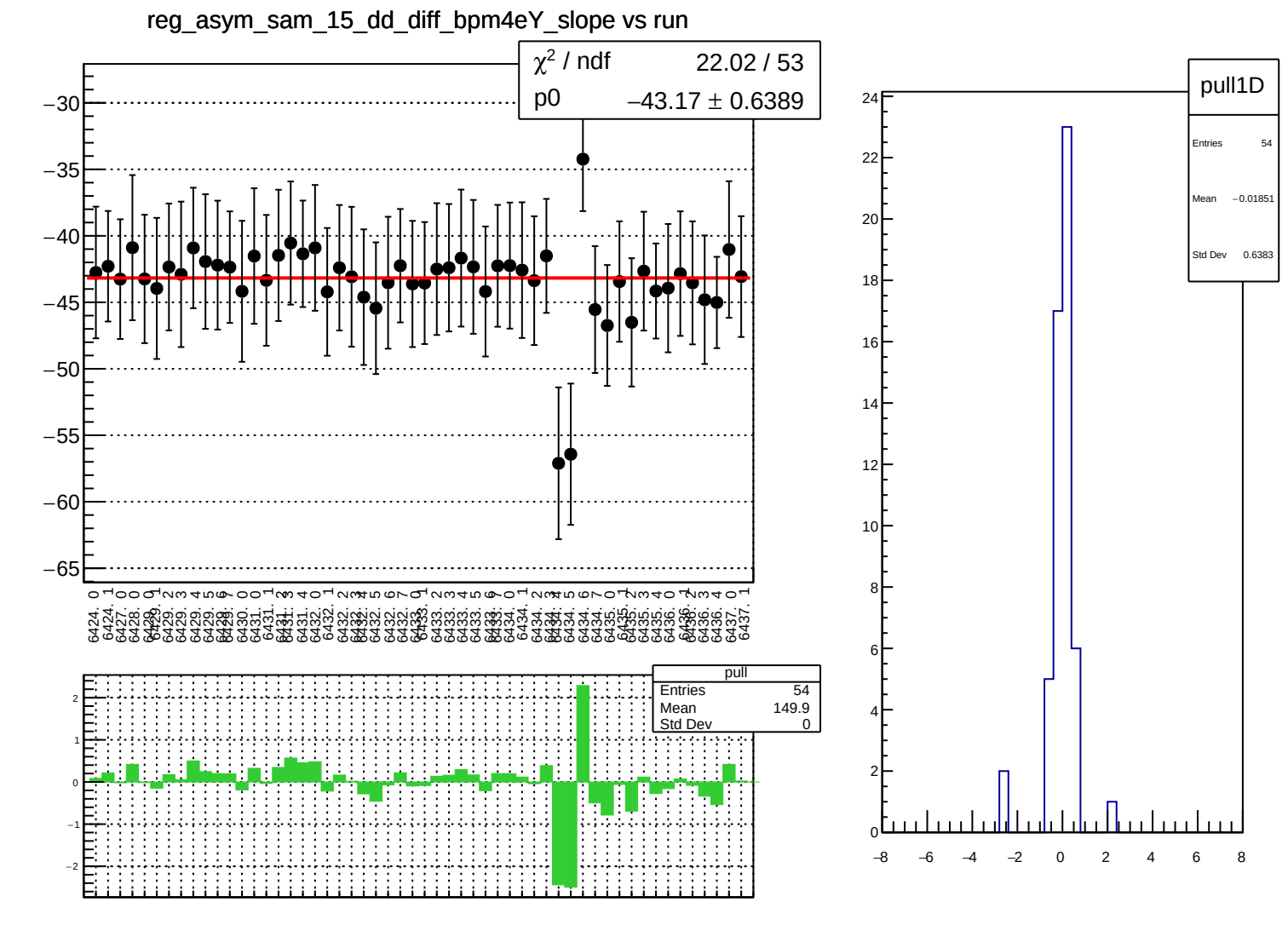

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 9.734 / 53
p0 0.3109 ± 0.01417
pull
Entries 54
Mean −357.1
Std Dev 0
pull1D
Entries 54
Mean −0.004849
Std Dev 0.4245

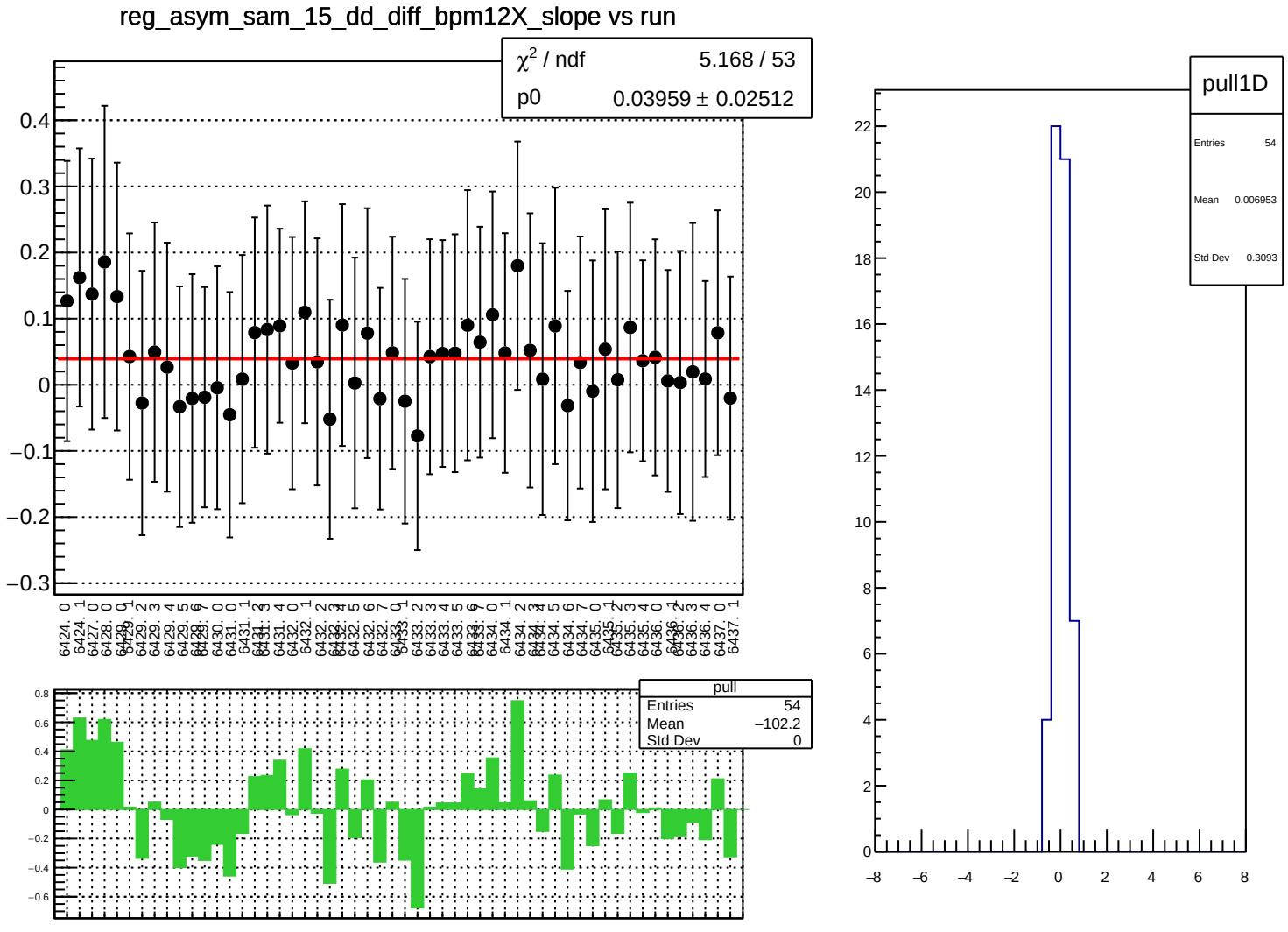

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 17.58 / 53
p0 −1.09 ± 0.6169
pull
Entries 54
Mean 16.85
Std Dev 27.64
pull1D
Entries 54
Mean −0.03043
Std Dev 0.5698

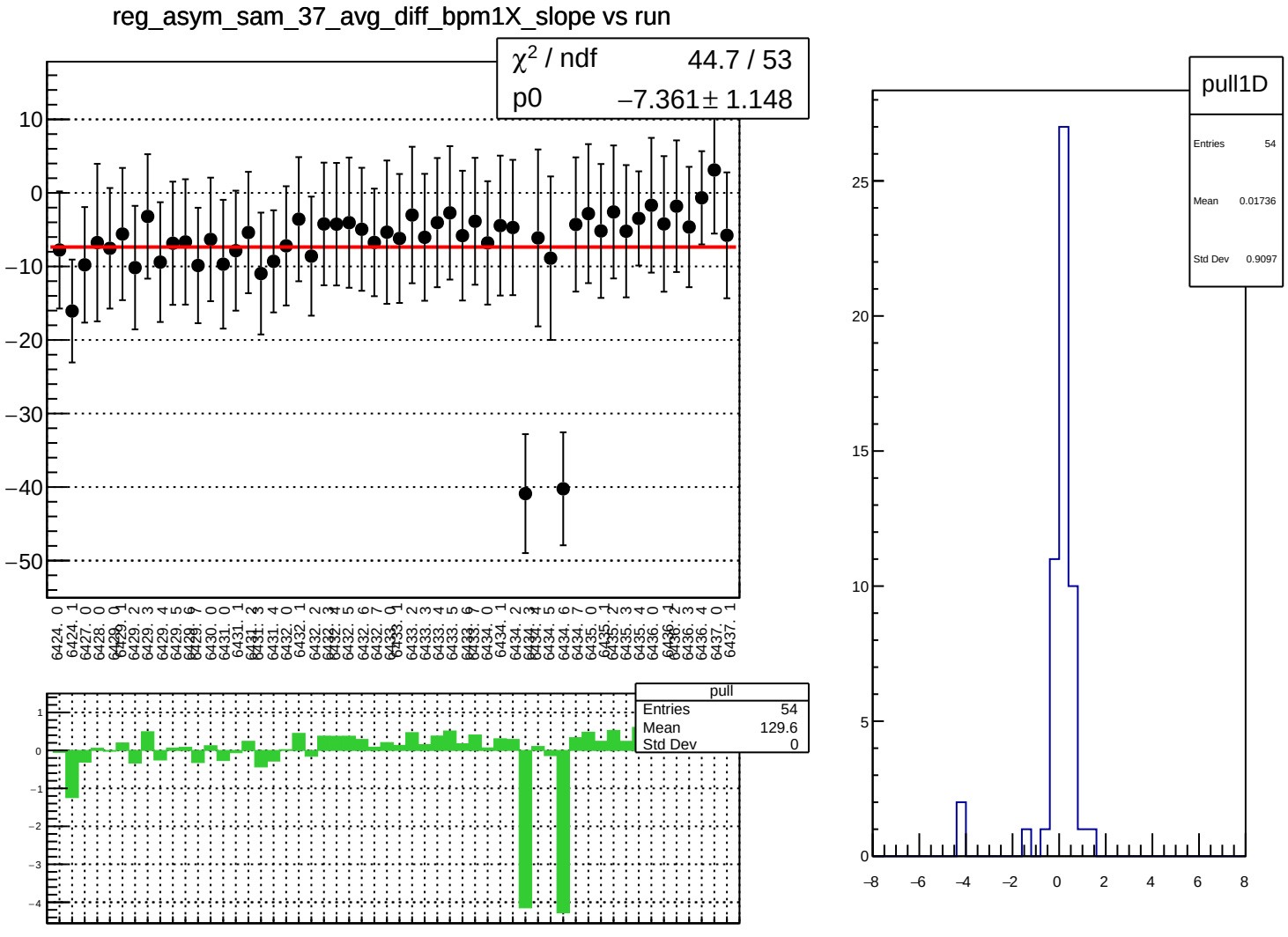

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.29 / 53
p0 −53.65 ± 0.6285
pull
Entries 54
Mean −479.2
Std Dev 0

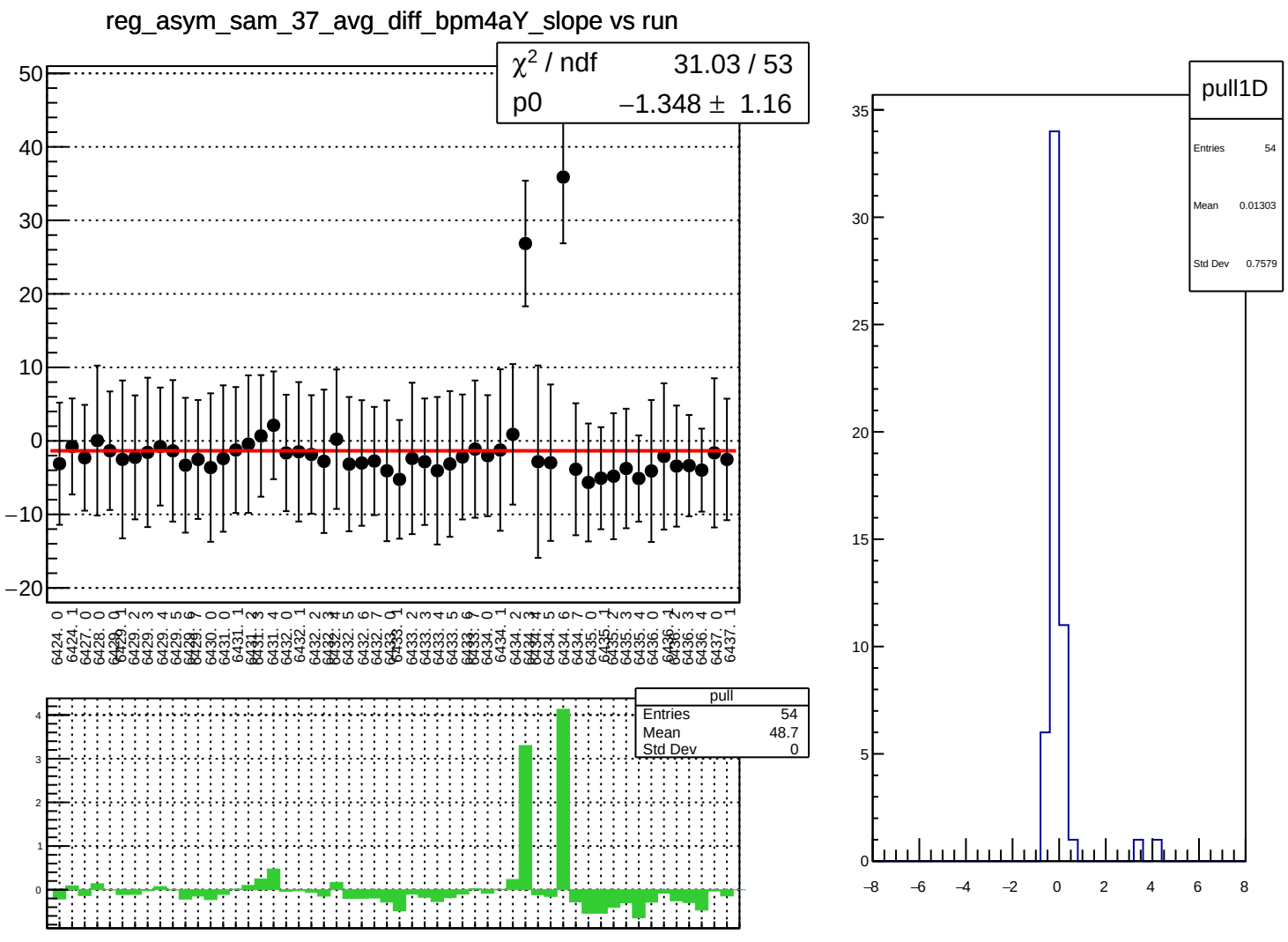

pull1D
Entries 54
Mean 0.002322
Std Dev 0.6279

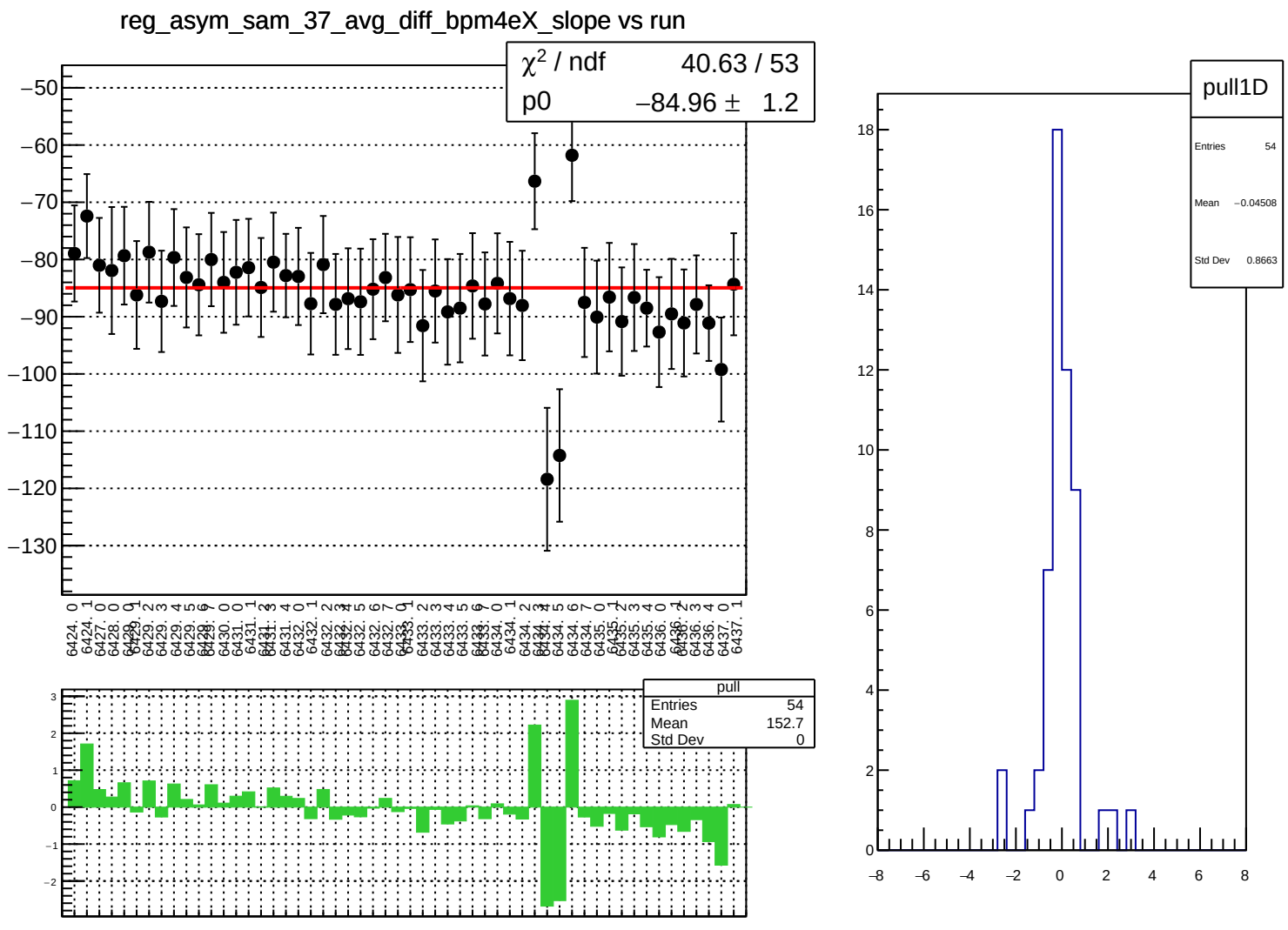

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.41 / 53
p0 −4.89 ± 0.6448
pull
Entries 54
Mean 9.279
Std Dev 22.54
pull1D
Entries 54
Mean 0.03161
Std Dev 0.5503

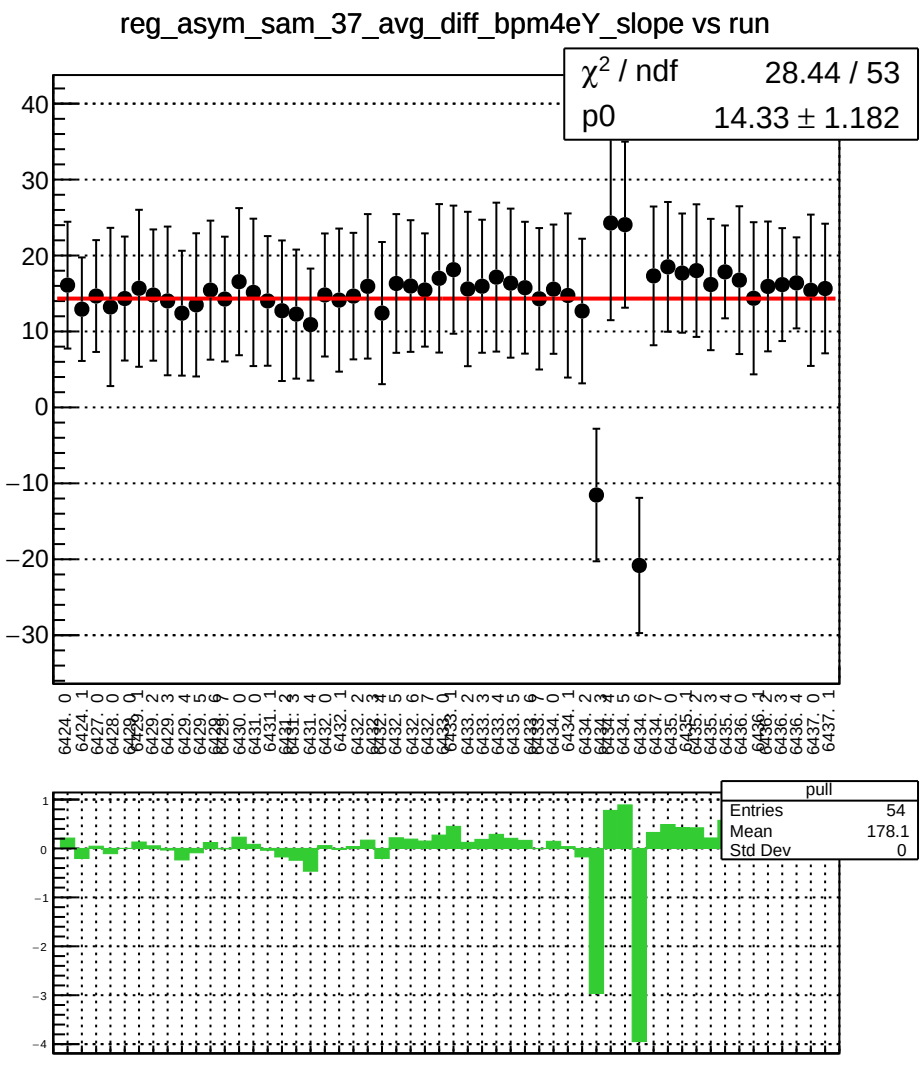

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.02 / 53
p0 −43.17 ± 0.6389
pull
Entries 54
Mean 149.9
Std Dev 0
pull1D
Entries 54
Mean −0.01851
Std Dev 0.6383

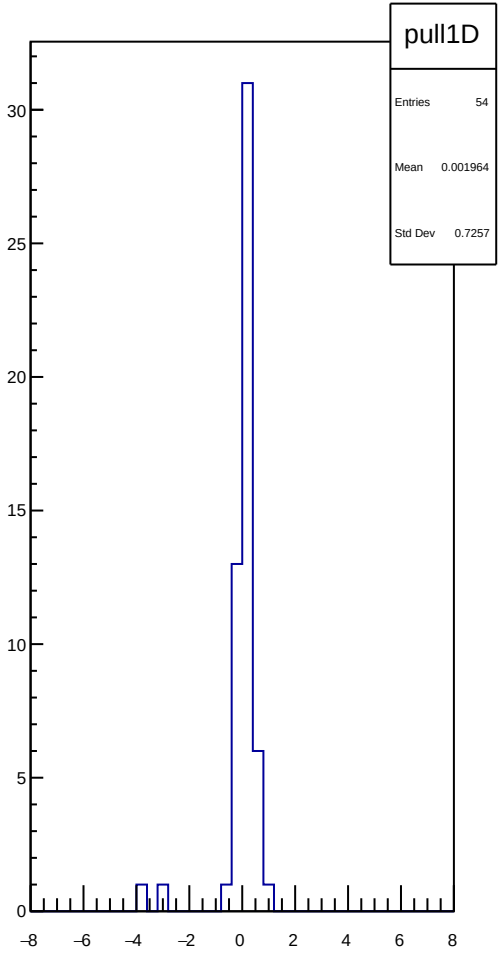

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.168 / 53
p0 0.03959 ± 0.02512
pull
Entries 54
Mean −102.2
Std Dev 0
pull1D
Entries 54
Mean 0.006953
Std Dev 0.3093

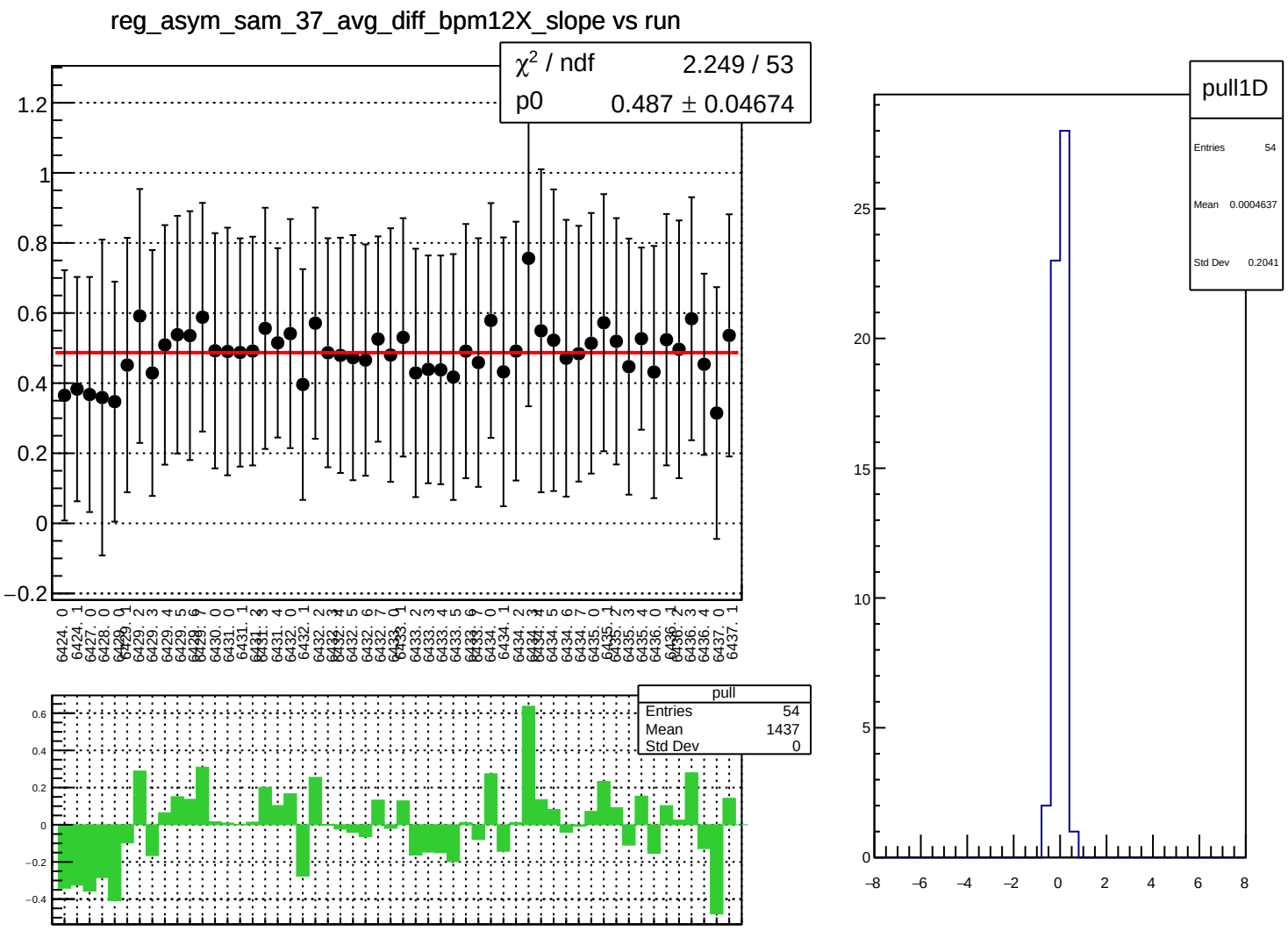

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 44.7 / 53
p0 −7.361 ± 1.148
pull
Entries 54
Mean 129.6
Std Dev 0
pull1D
Entries 54
Mean 0.01736
Std Dev 0.9097

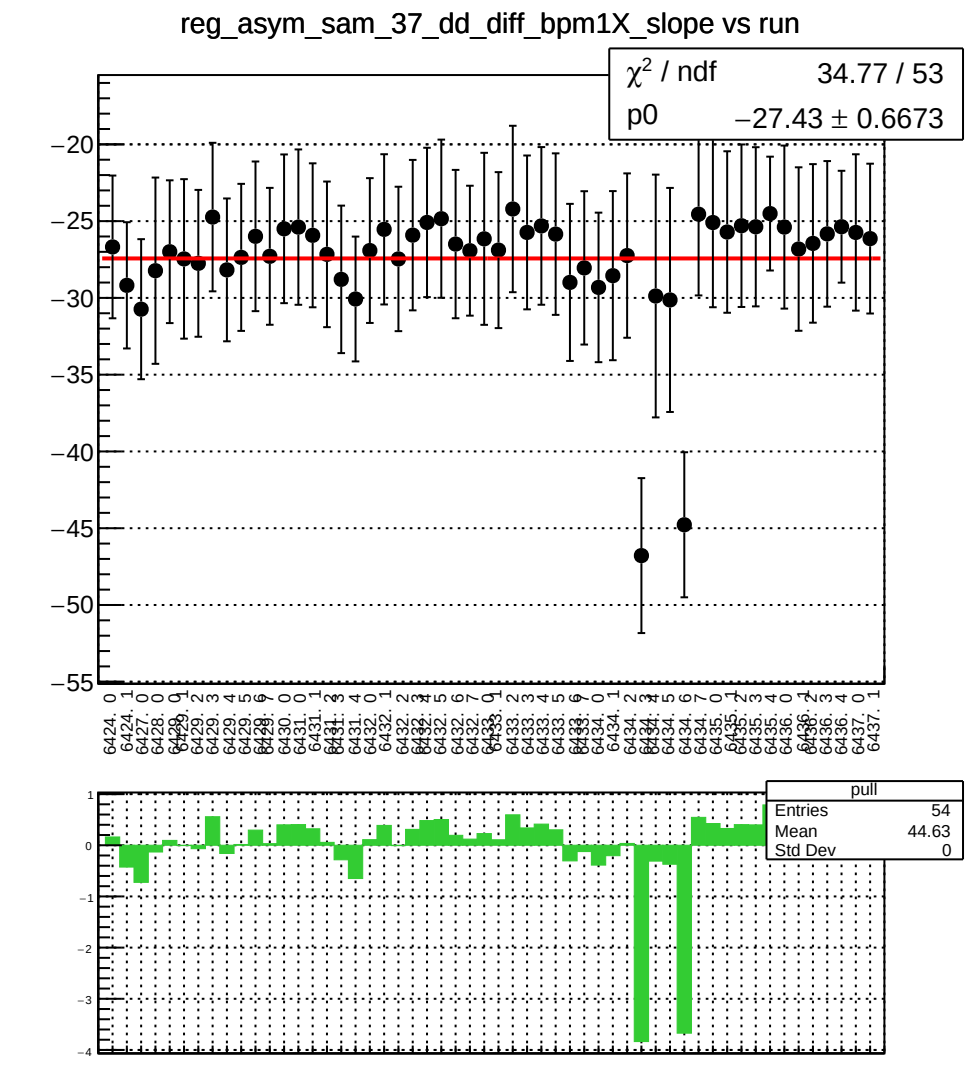

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.03 / 53
p0 −1.348 ± 1.16
pull
Entries 54
Mean 48.7
Std Dev 0
pull1D
Entries 54
Mean 0.01303
Std Dev 0.7579

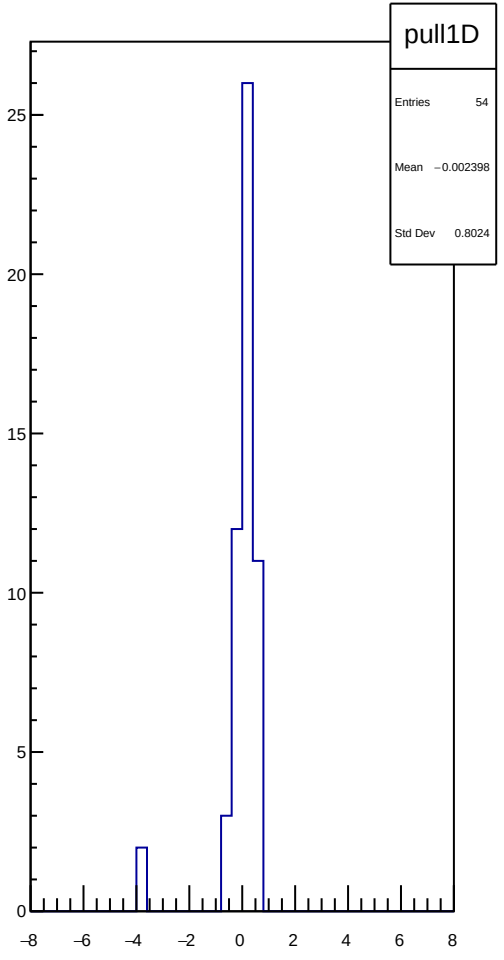

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.63 / 53
p0 −84.96 ± 1.2
pull
Entries 54
Mean 152.7
Std Dev 0
pull1D
Entries 54
Mean −0.04508
Std Dev 0.8663

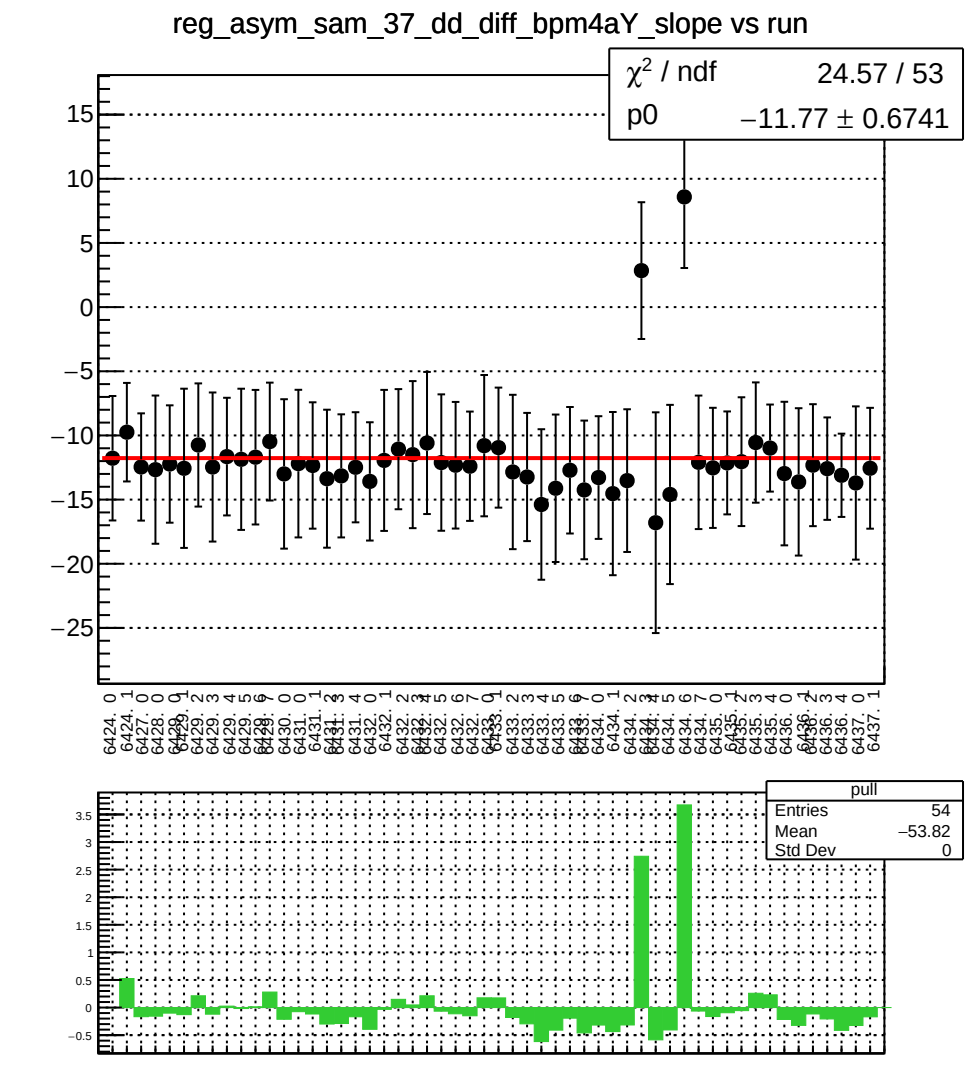

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.44 / 53
p0 14.33 ± 1.182
pull
Entries 54
Mean 178.1
Std Dev 0

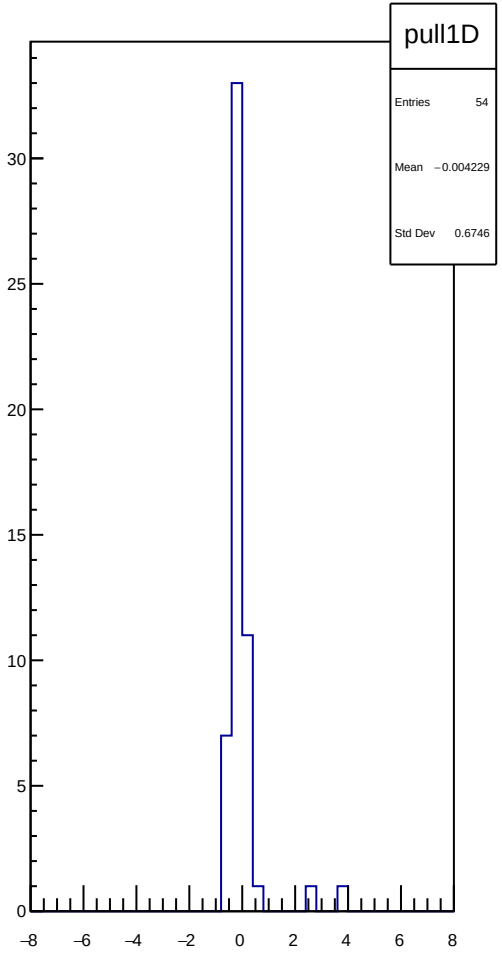

pull1D
Entries 54
Mean 0.001964
Std Dev 0.7257

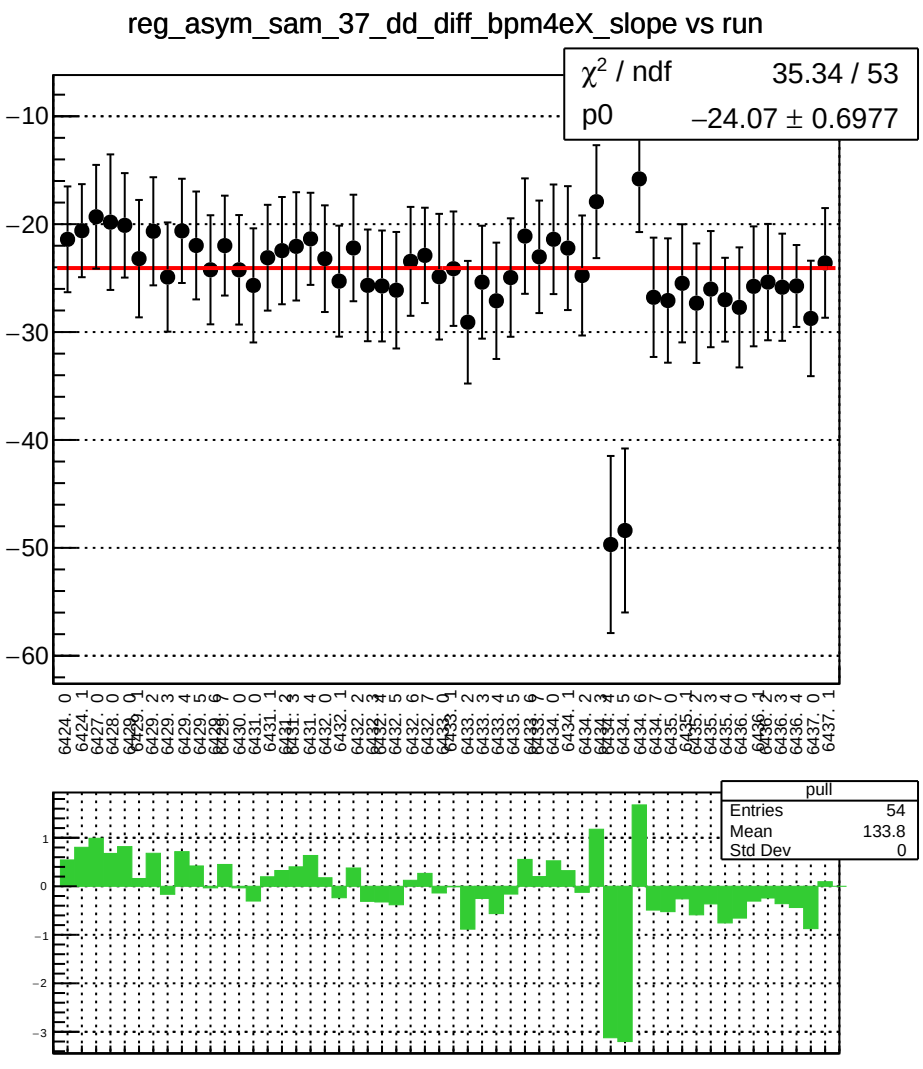

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.249 / 53
p0 0.487 ± 0.04674
pull
Entries 54
Mean 1437
Std Dev 0
pull1D
Entries 54
Mean 0.0004637
Std Dev 0.2041

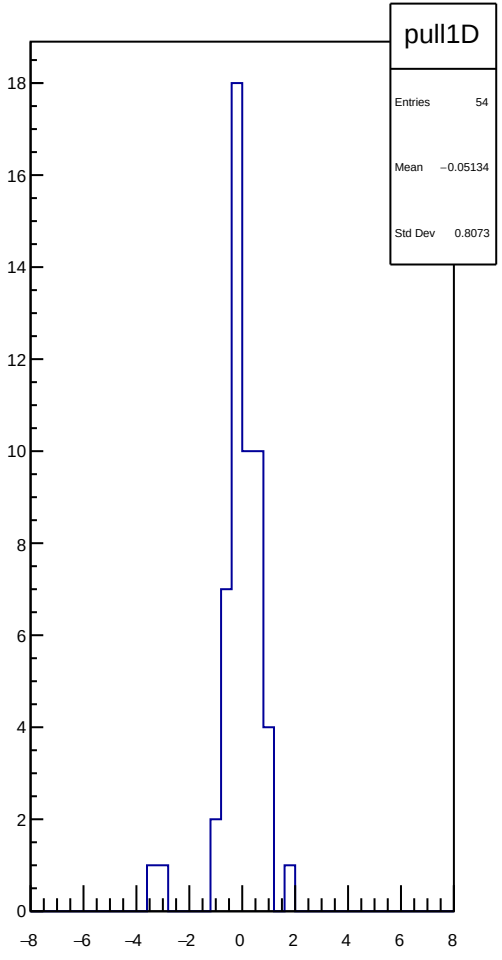

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 34.77 / 53
p0 −27.43 ± 0.6673
pull
Entries 54
Mean 44.63
Std Dev 0

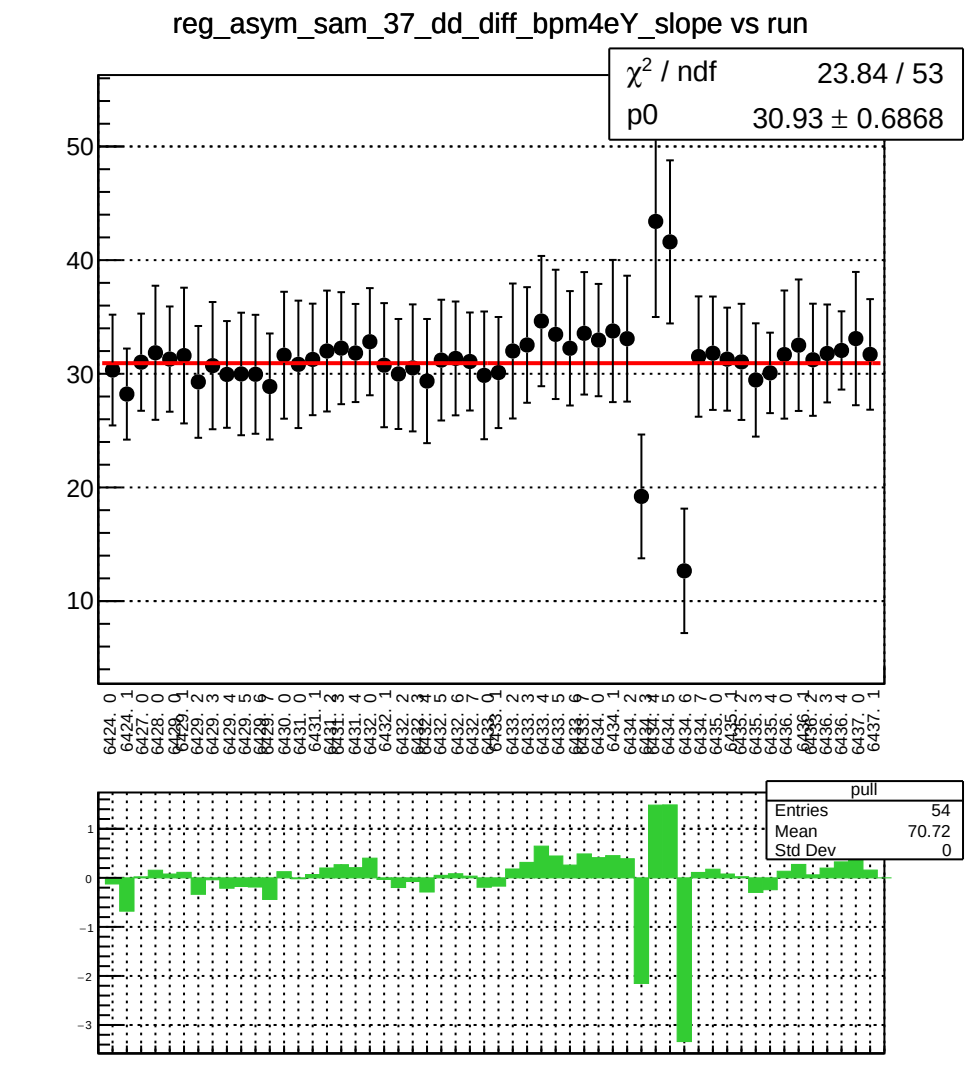

pull1D
Entries 54
Mean −0.002398
Std Dev 0.8024

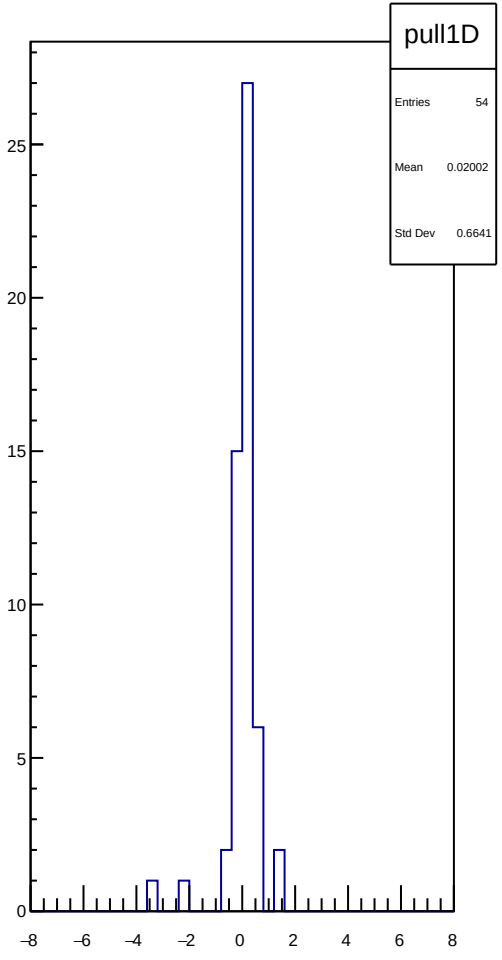

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.57 / 53
p0 −11.77 ± 0.6741
pull
Entries 54
Mean −53.82
Std Dev 0

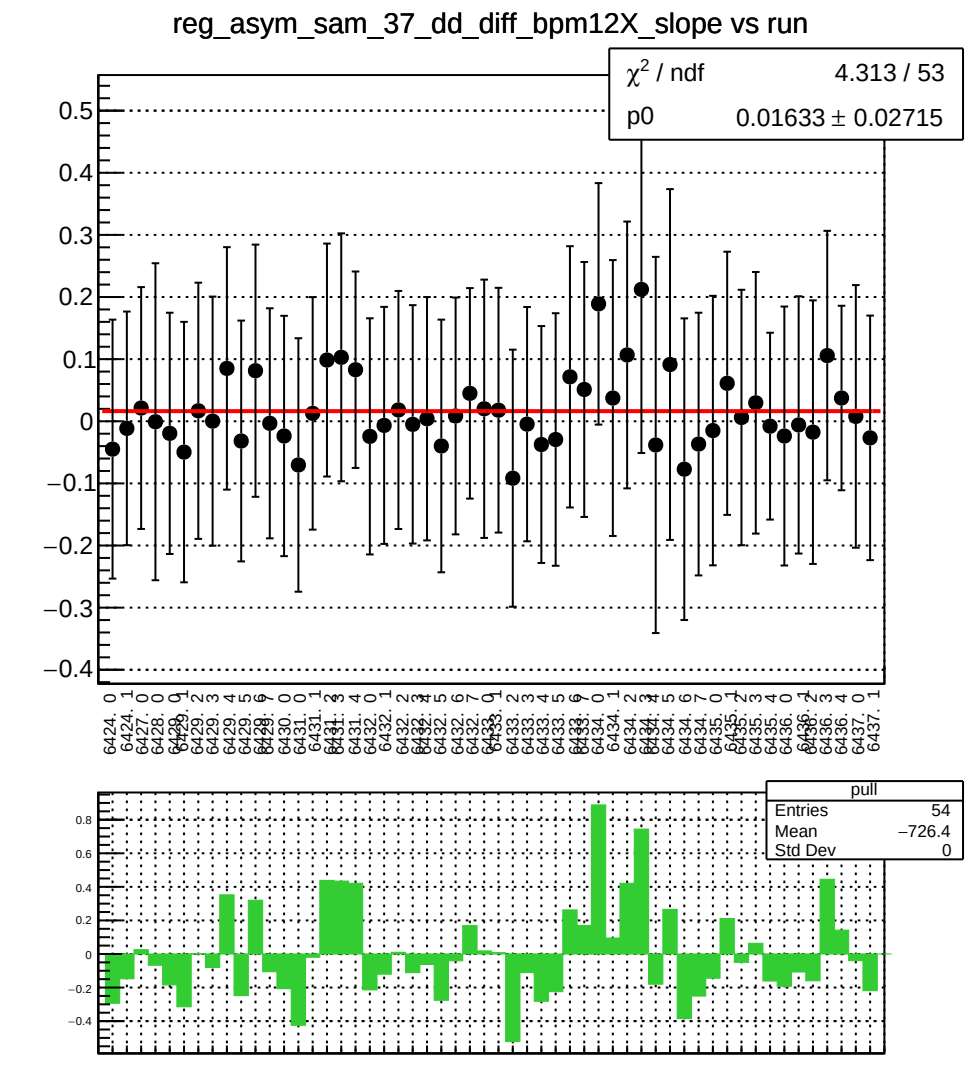

pull1D
Entries 54
Mean −0.004229
Std Dev 0.6746

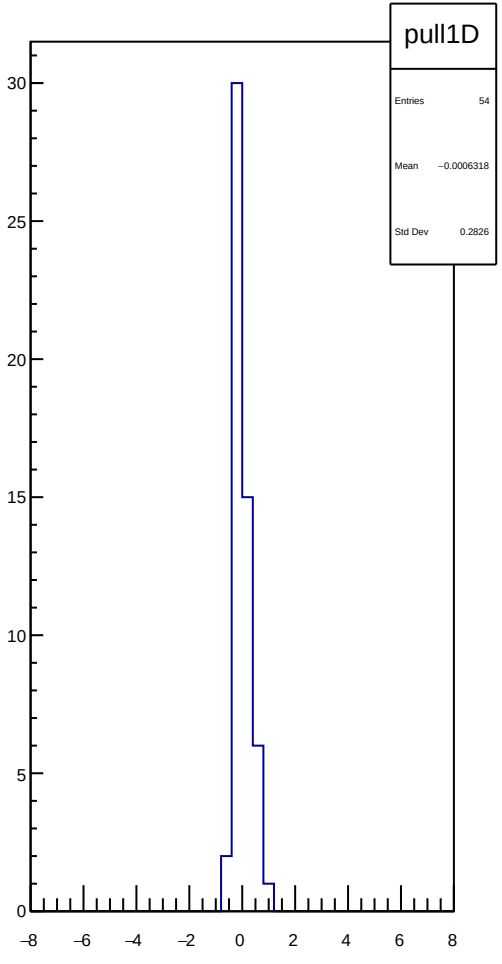

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.34 / 53
p0 −24.07 ± 0.6977
pull
Entries 54
Mean 133.8
Std Dev 0

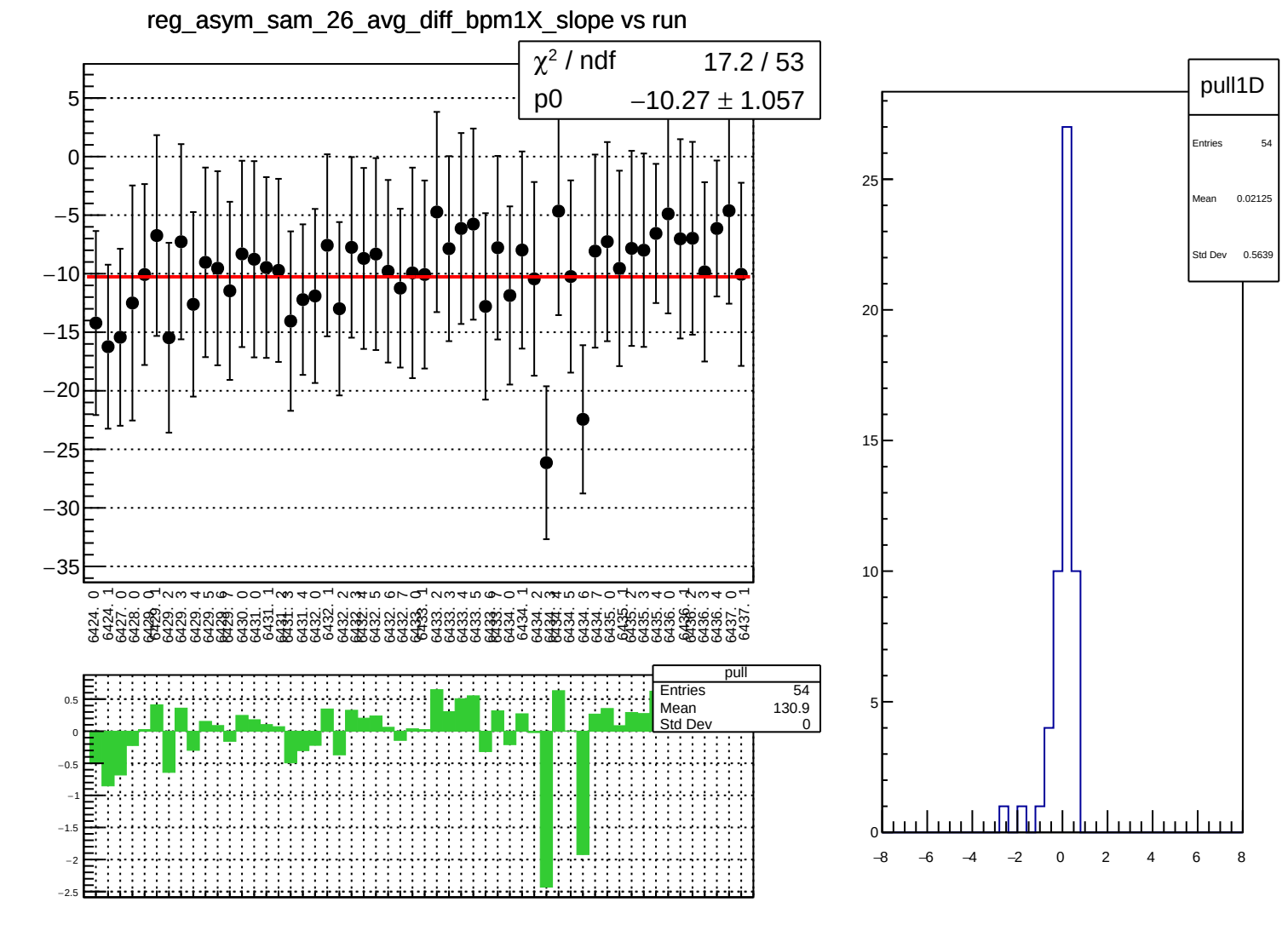

pull1D
Entries 54
Mean −0.05134
Std Dev 0.8073

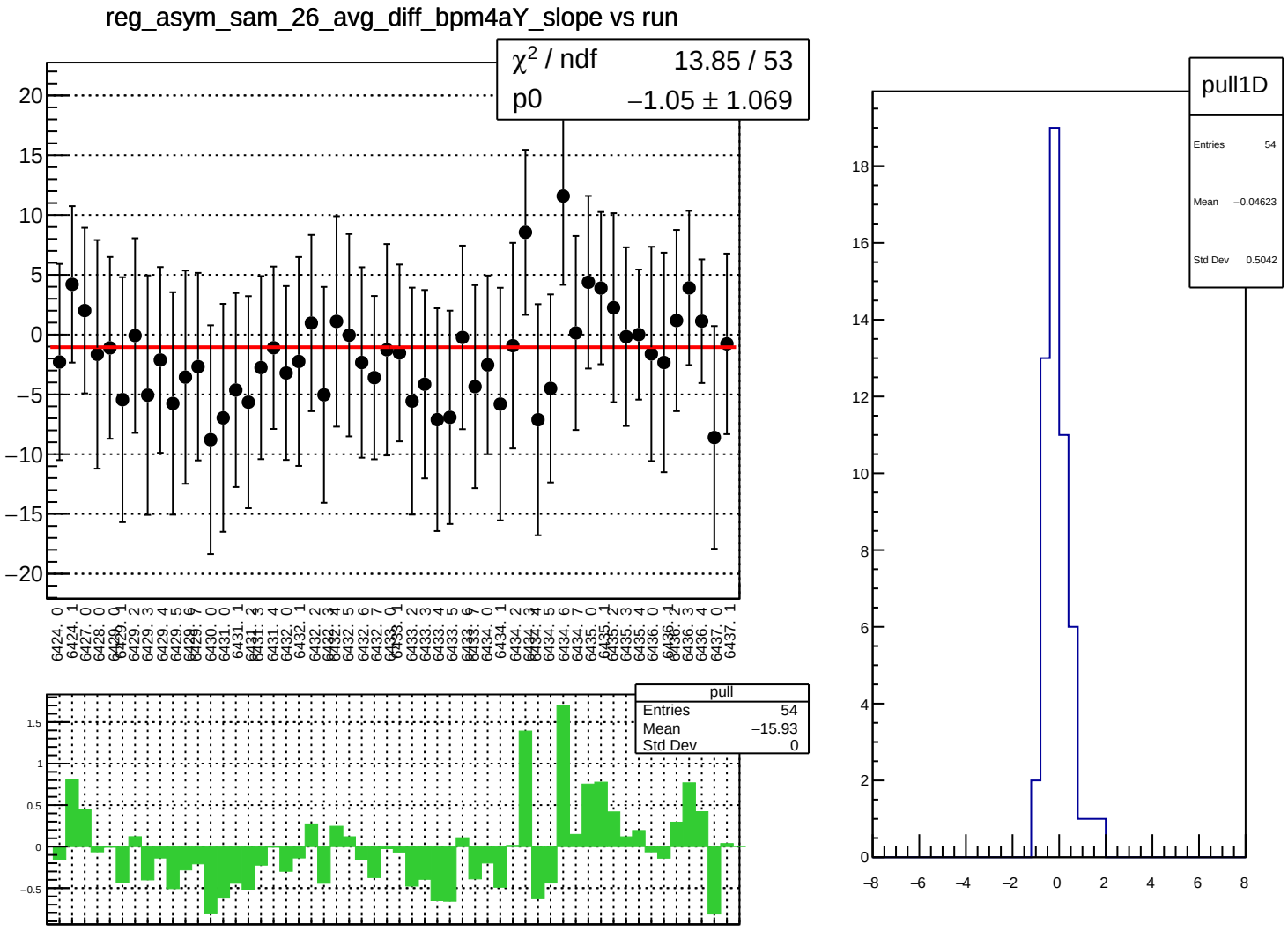

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.84 / 53
p0 30.93 ± 0.6868
pull
Entries 54
Mean 70.72
Std Dev 0

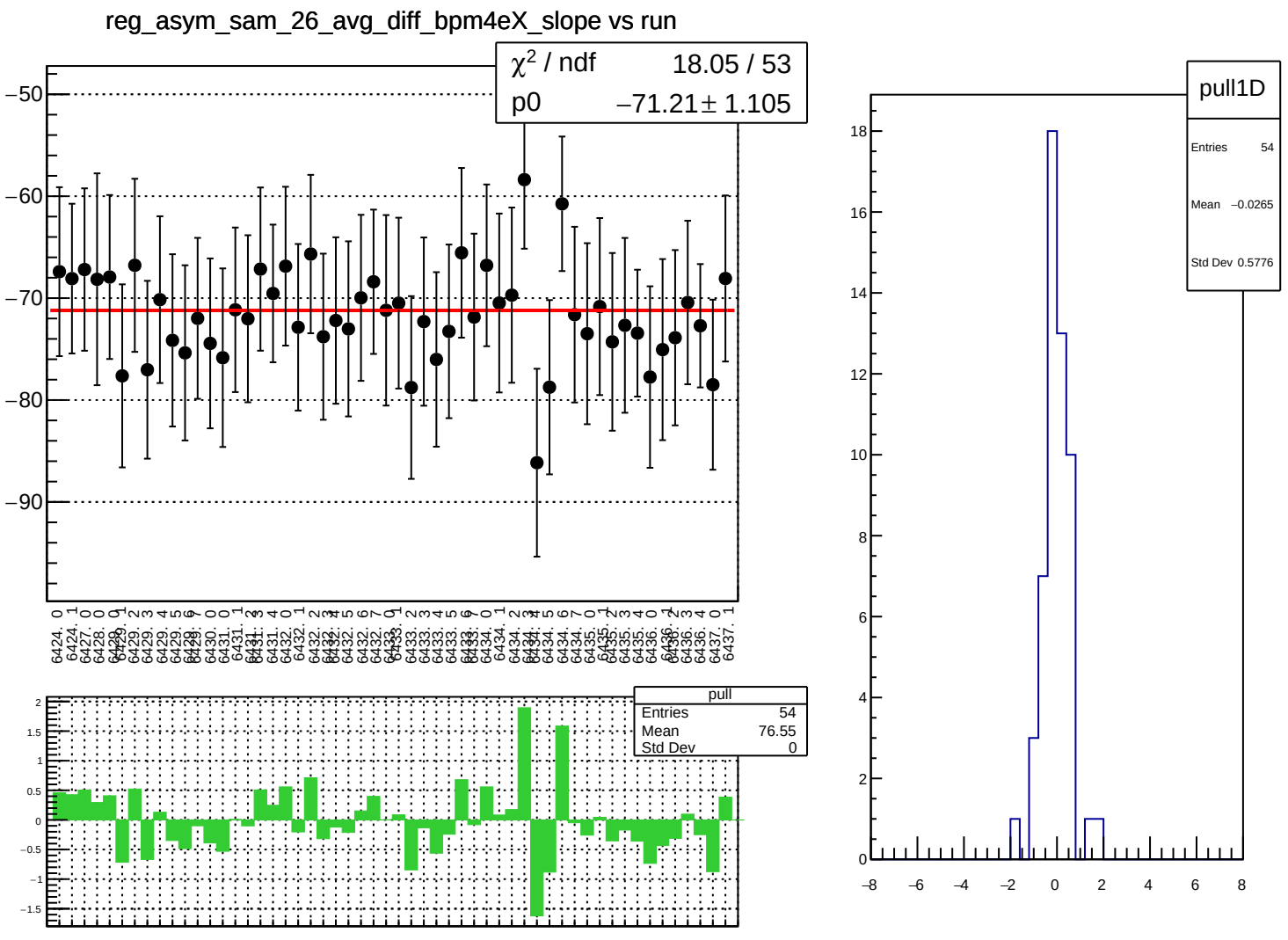

pull1D
Entries 54
Mean 0.02002
Std Dev 0.6641

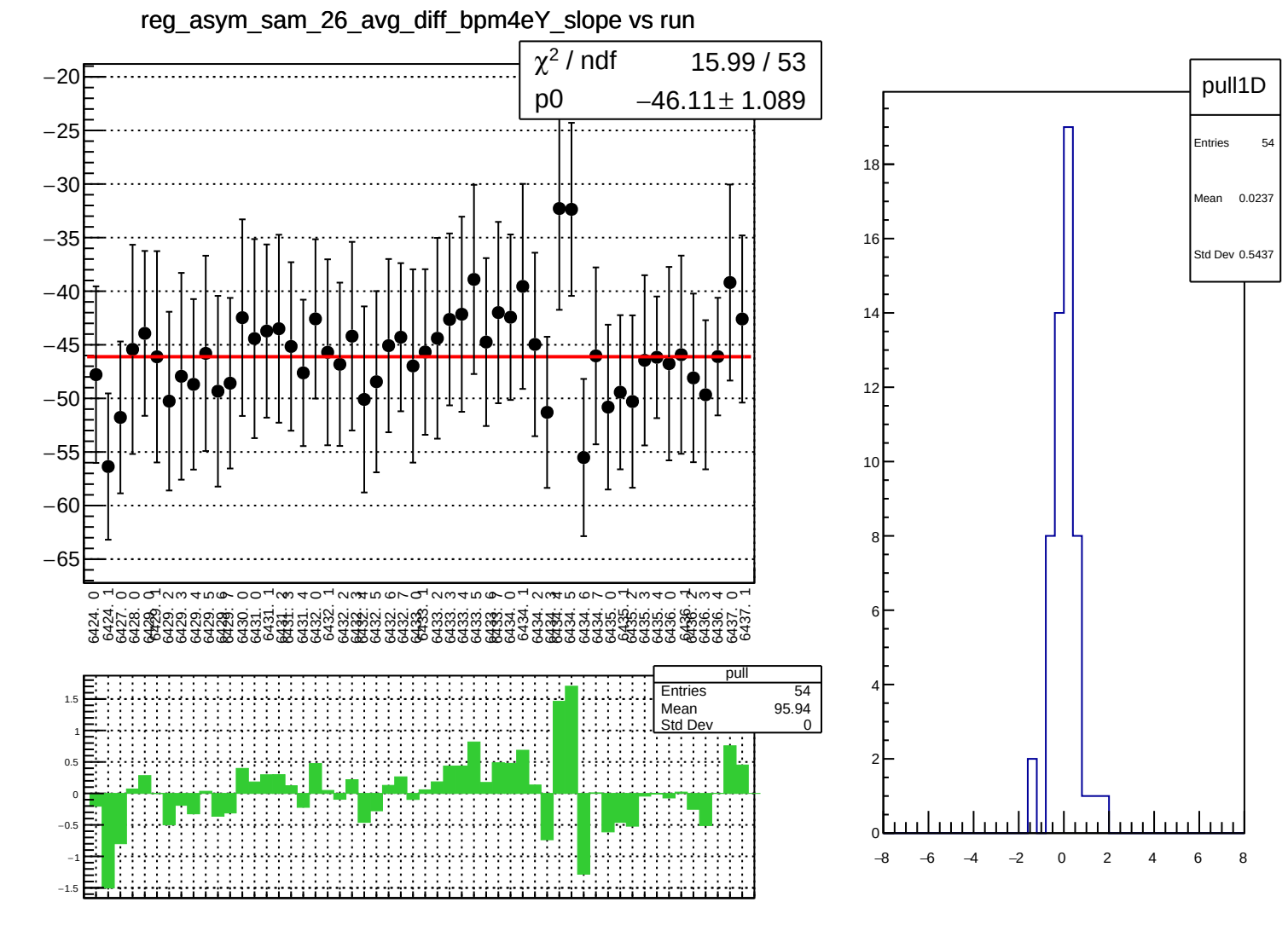

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.313 / 53
p0 0.01633 ± 0.02715
pull
Entries 54
Mean −726.4
Std Dev 0

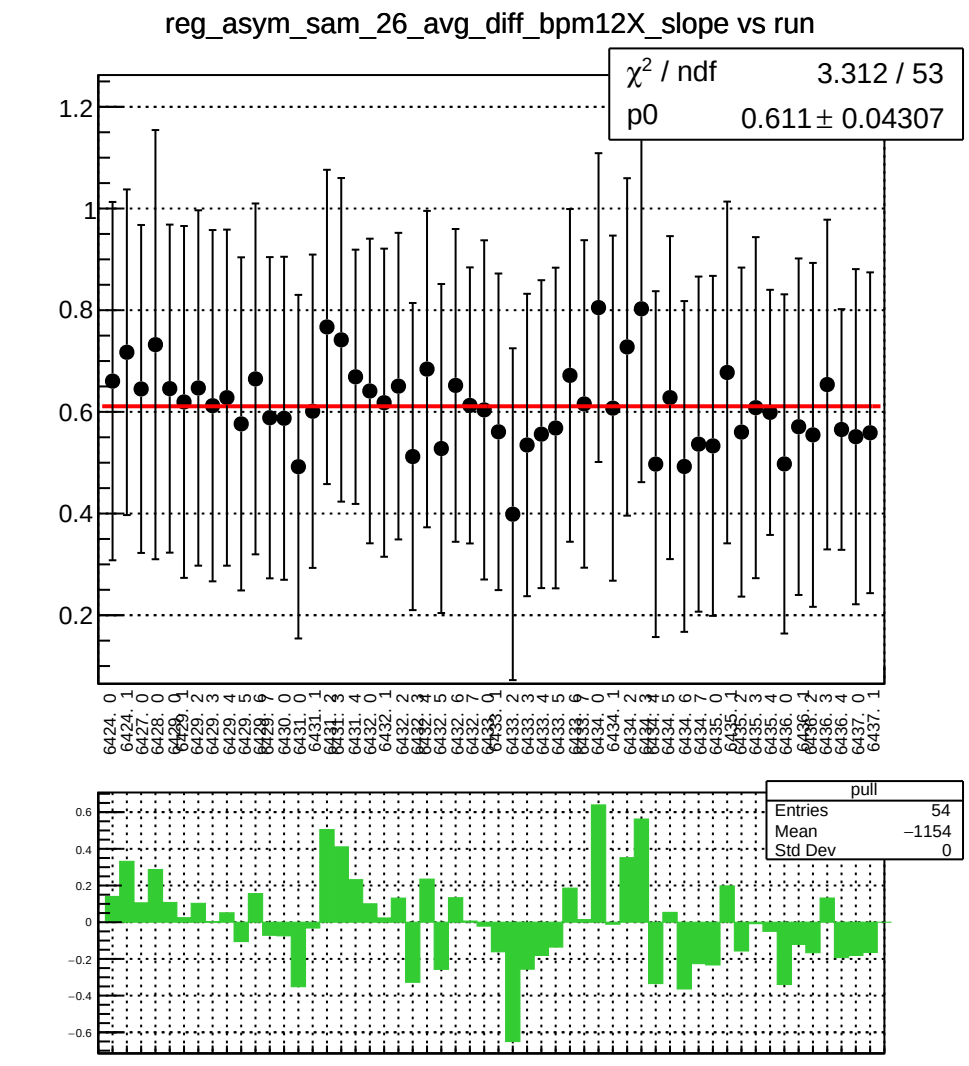

pull1D
Entries 54
Mean −0.0006318
Std Dev 0.2826

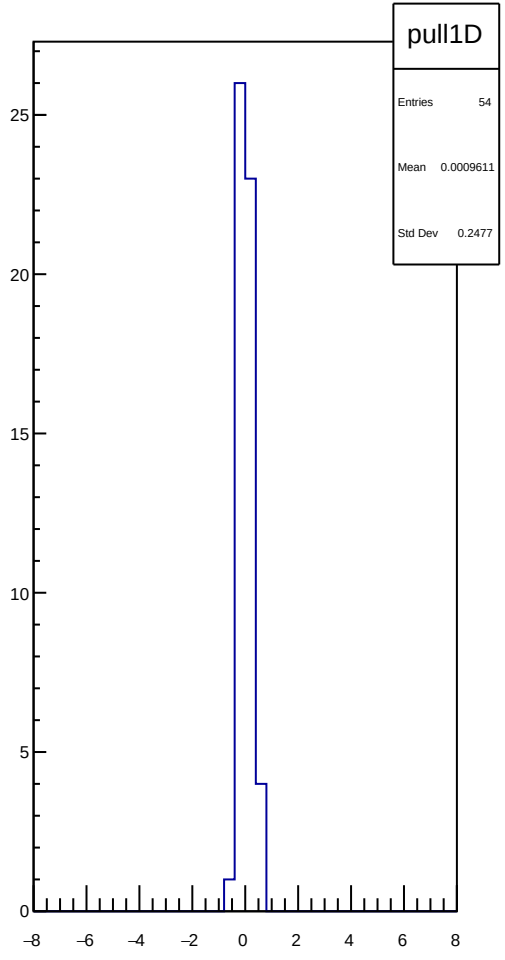

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 17.2 / 53
p0 −10.27 ± 1.057
pull
Entries 54
Mean 130.9
Std Dev 0
pull1D
Entries 54
Mean 0.02125
Std Dev 0.5639

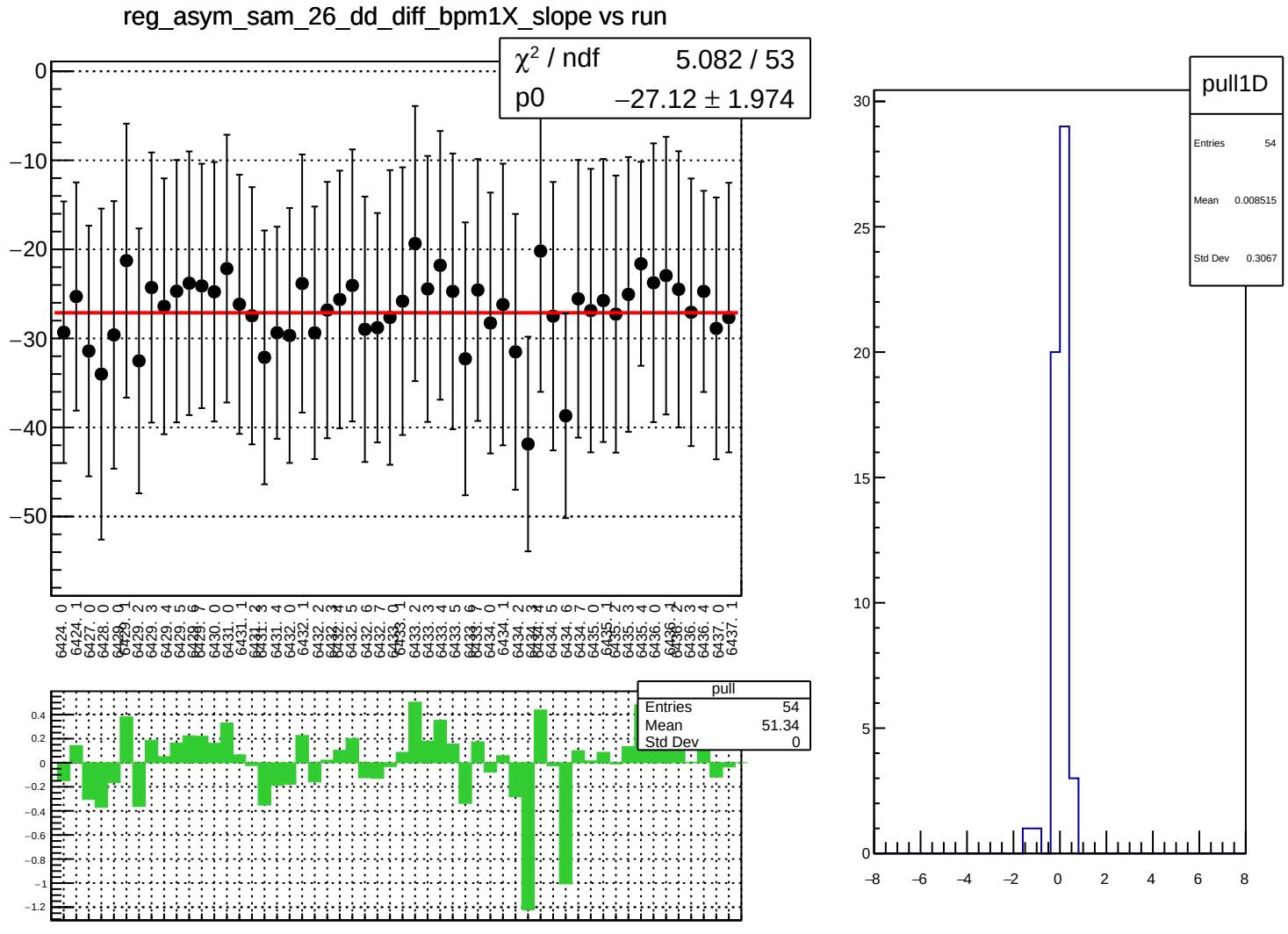

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.85 / 53
p0 −1.05 ± 1.069
pull
Entries 54
Mean −15.93
Std Dev 0
pull1D
Entries 54
Mean −0.04623
Std Dev 0.5042

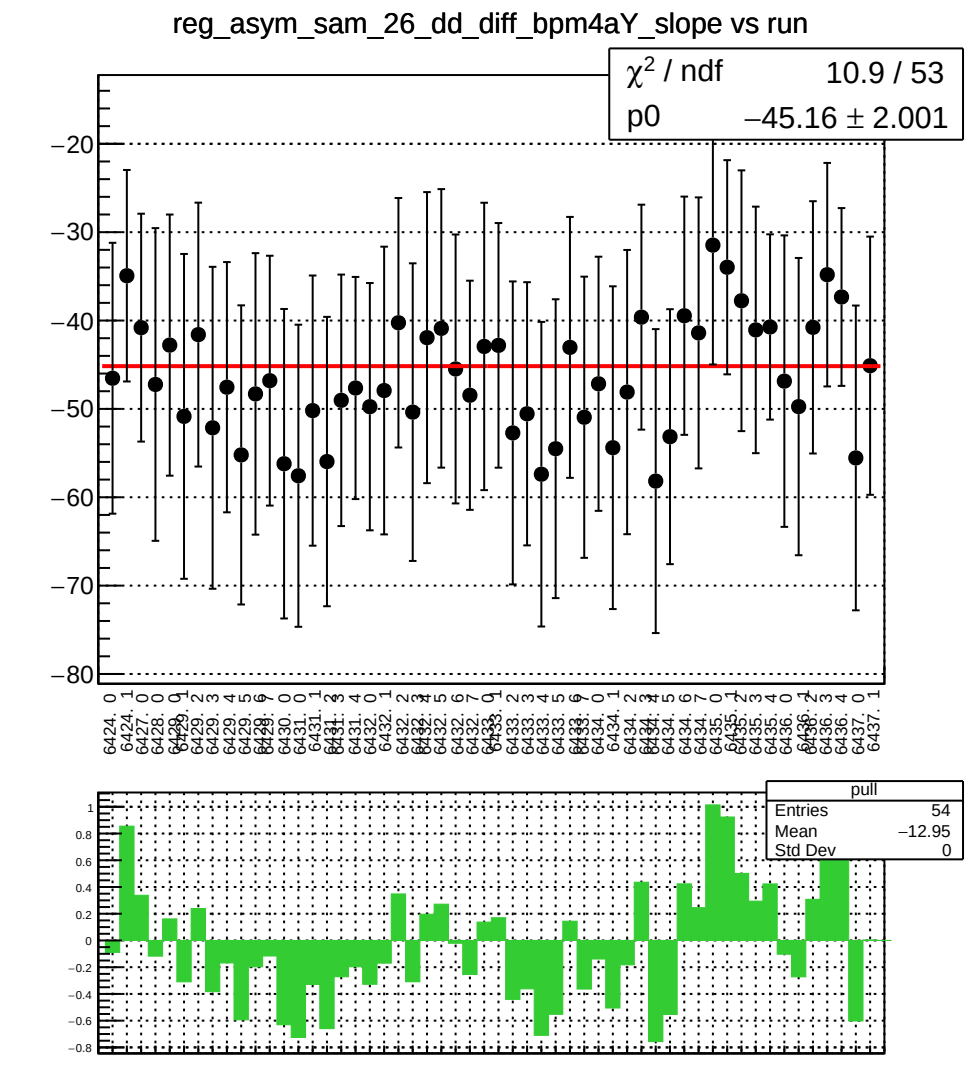

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.05 / 53
p0 −71.21± 1.105
−50
−60
−70
−80
−90
pull
Entries 54
Mean 76.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.0265
Std Dev 0.5776
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

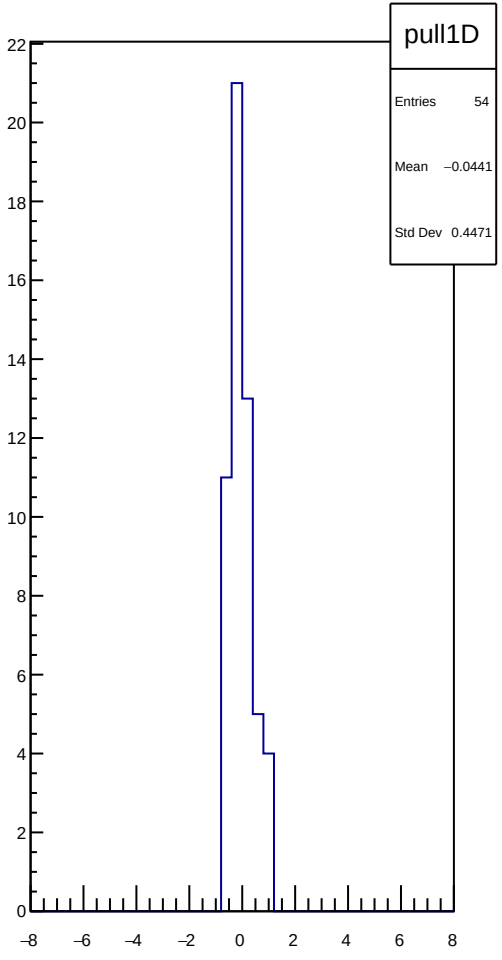

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.99 / 53
p0 −46.11 ± 1.089
pull
Entries 54
Mean 95.94
Std Dev 0
pull1D
Entries 54
Mean 0.0237
Std Dev 0.5437

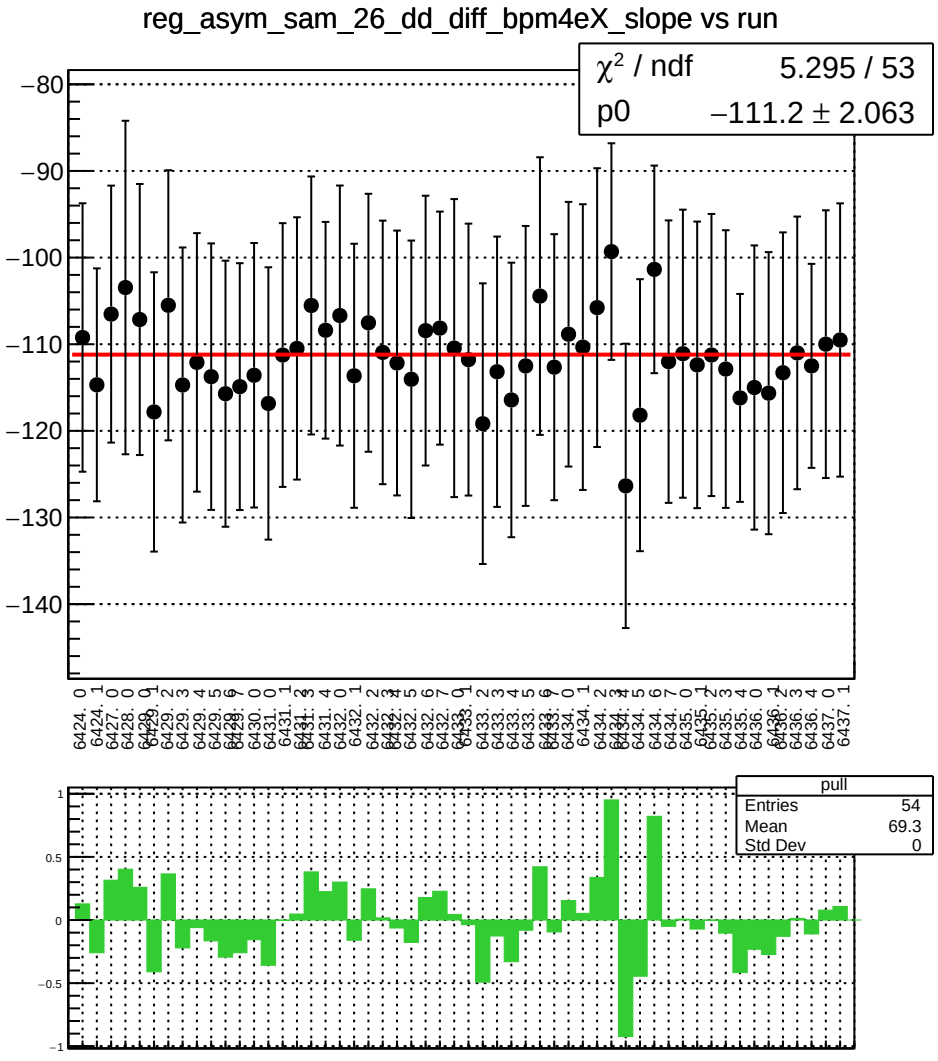

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 3.312 / 53
p0 0.611 ± 0.04307
pull
Entries 54
Mean −1154
Std Dev 0

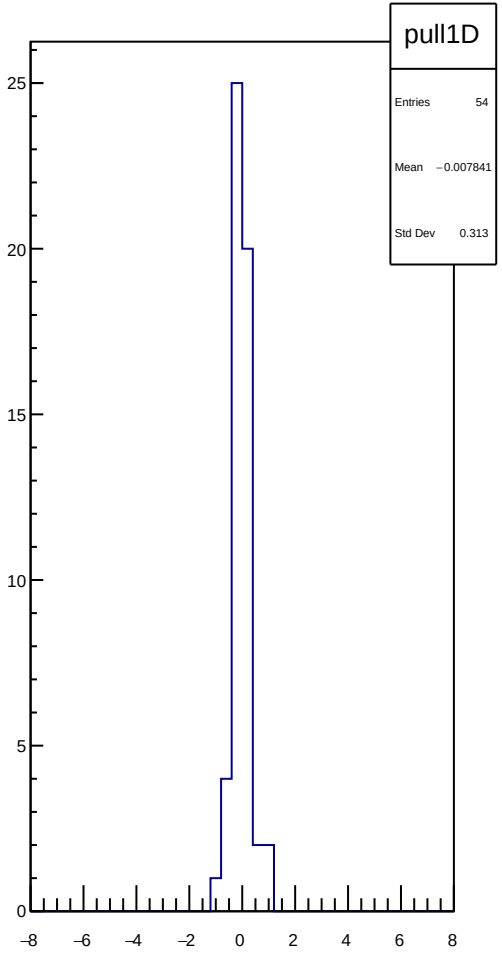

pull1D
Entries 54
Mean 0.0009611
Std Dev 0.2477

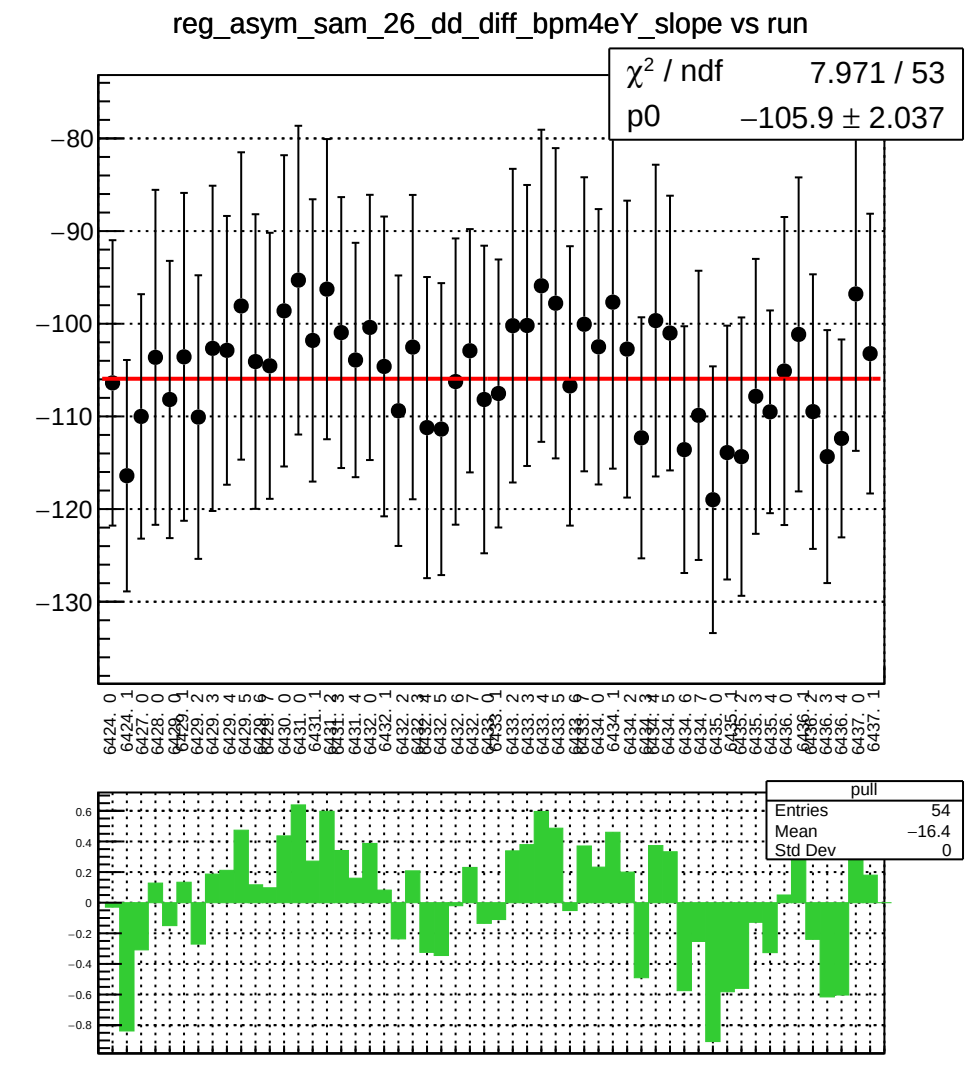

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.082 / 53
p0 −27.12 ± 1.974
pull
Entries 54
Mean 51.34
Std Dev 0
pull1D
Entries 54
Mean 0.008515
Std Dev 0.3067

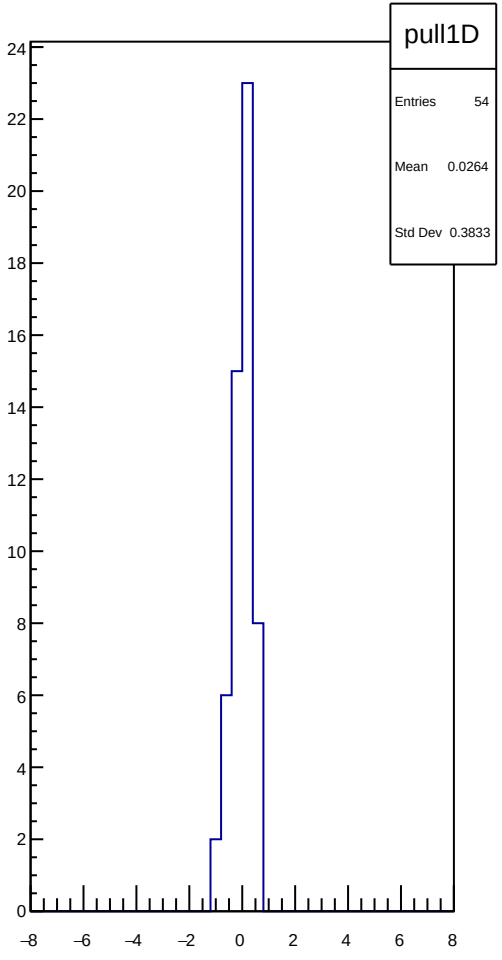

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.9 / 53
p0 −45.16 ± 2.001
pull
Entries 54
Mean −12.95
Std Dev 0

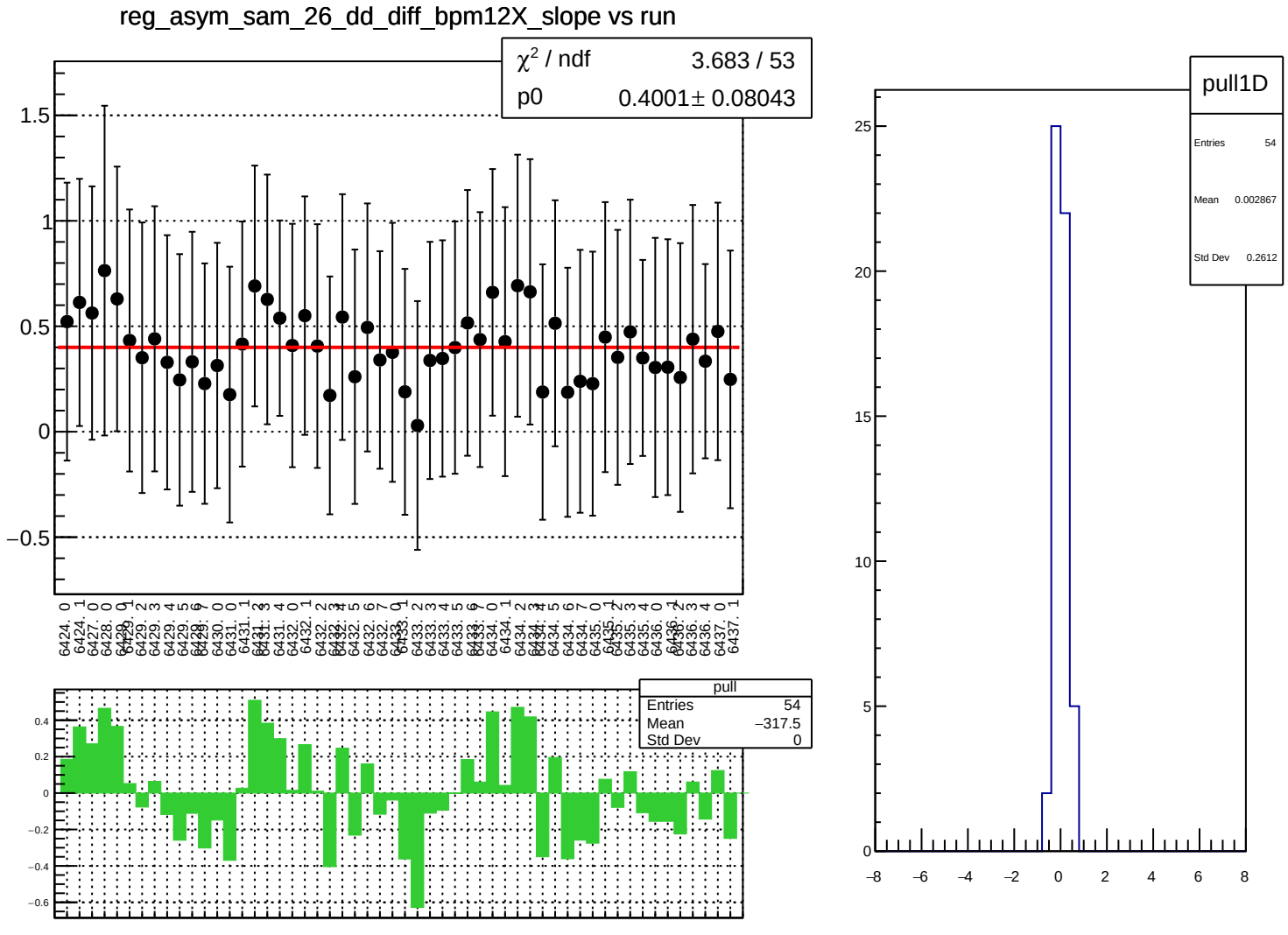

pull1D
Entries 54
Mean −0.0441
Std Dev 0.4471

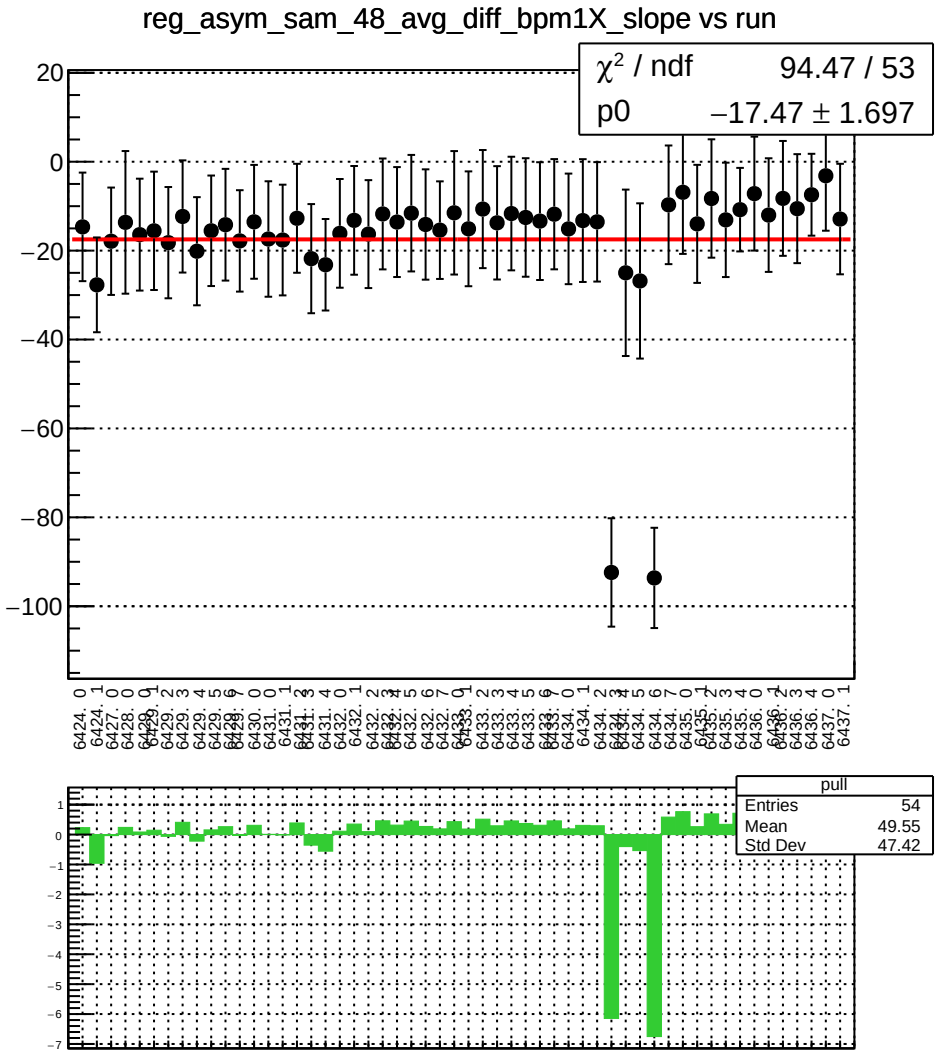

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.295 / 53
p0 −111.2 ± 2.063
pull
Entries 54
Mean 69.3
Std Dev 0

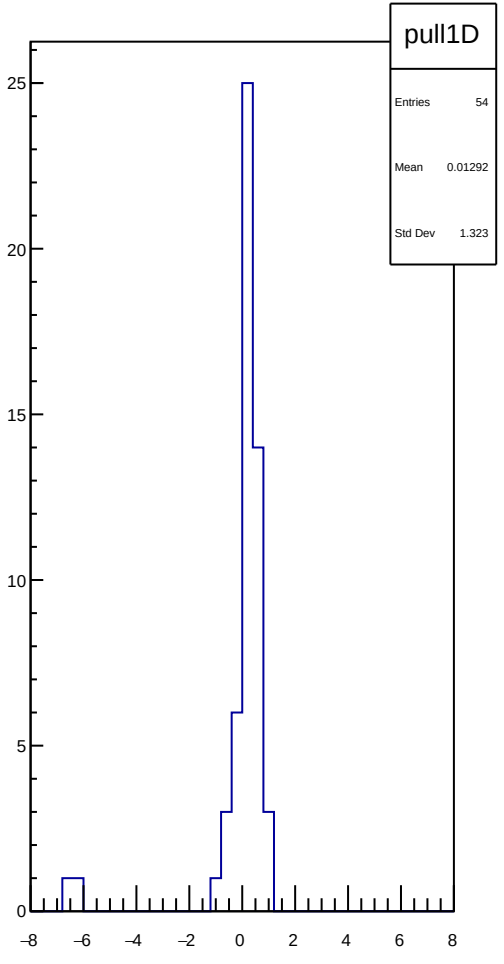

pull1D
Entries 54
Mean −0.007841
Std Dev 0.313

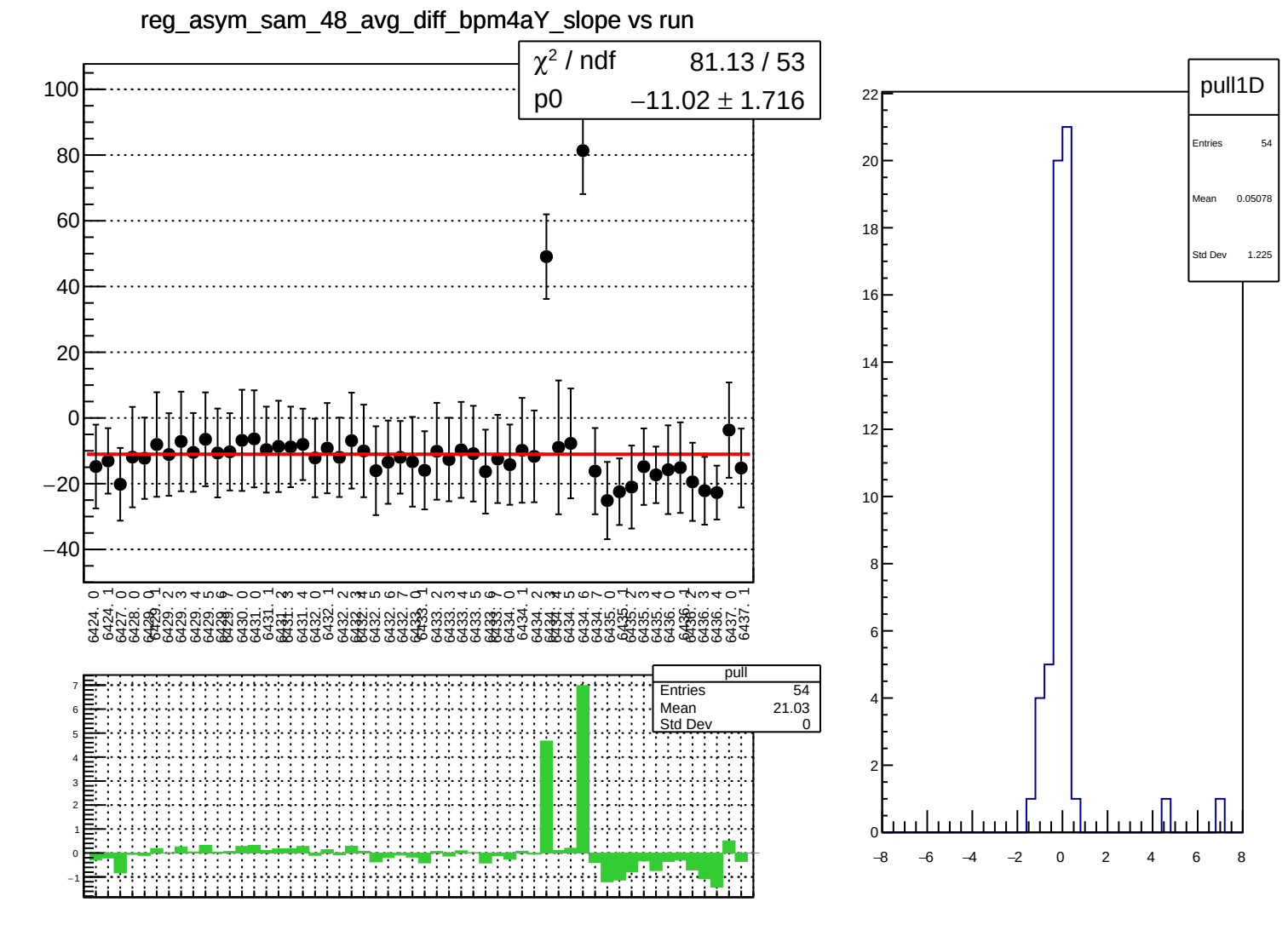

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.971 / 53
p0 −105.9 ± 2.037
pull
Entries 54
Mean −16.4
Std Dev 0

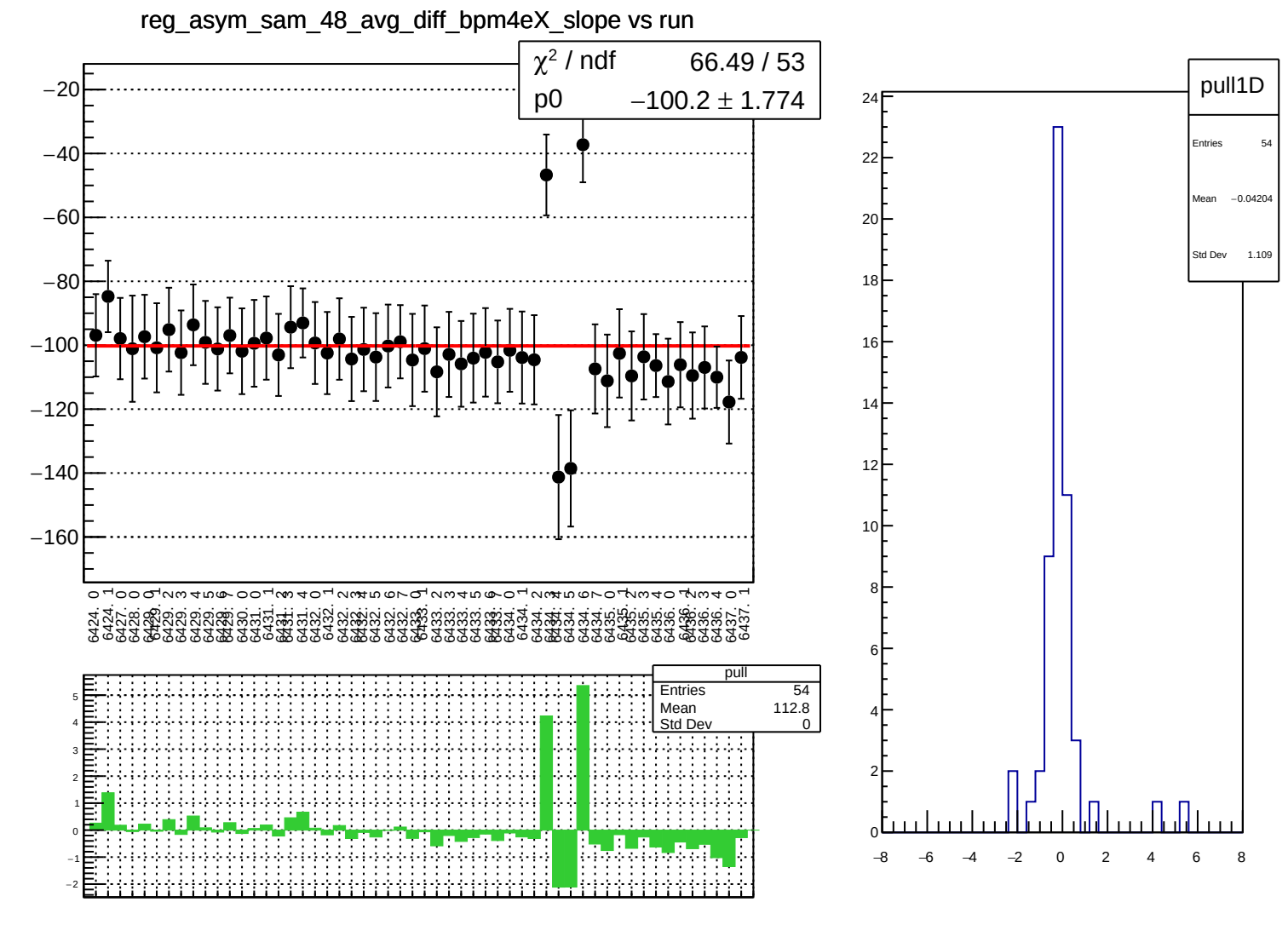

pull1D
Entries 54
Mean 0.0264
Std Dev 0.3833

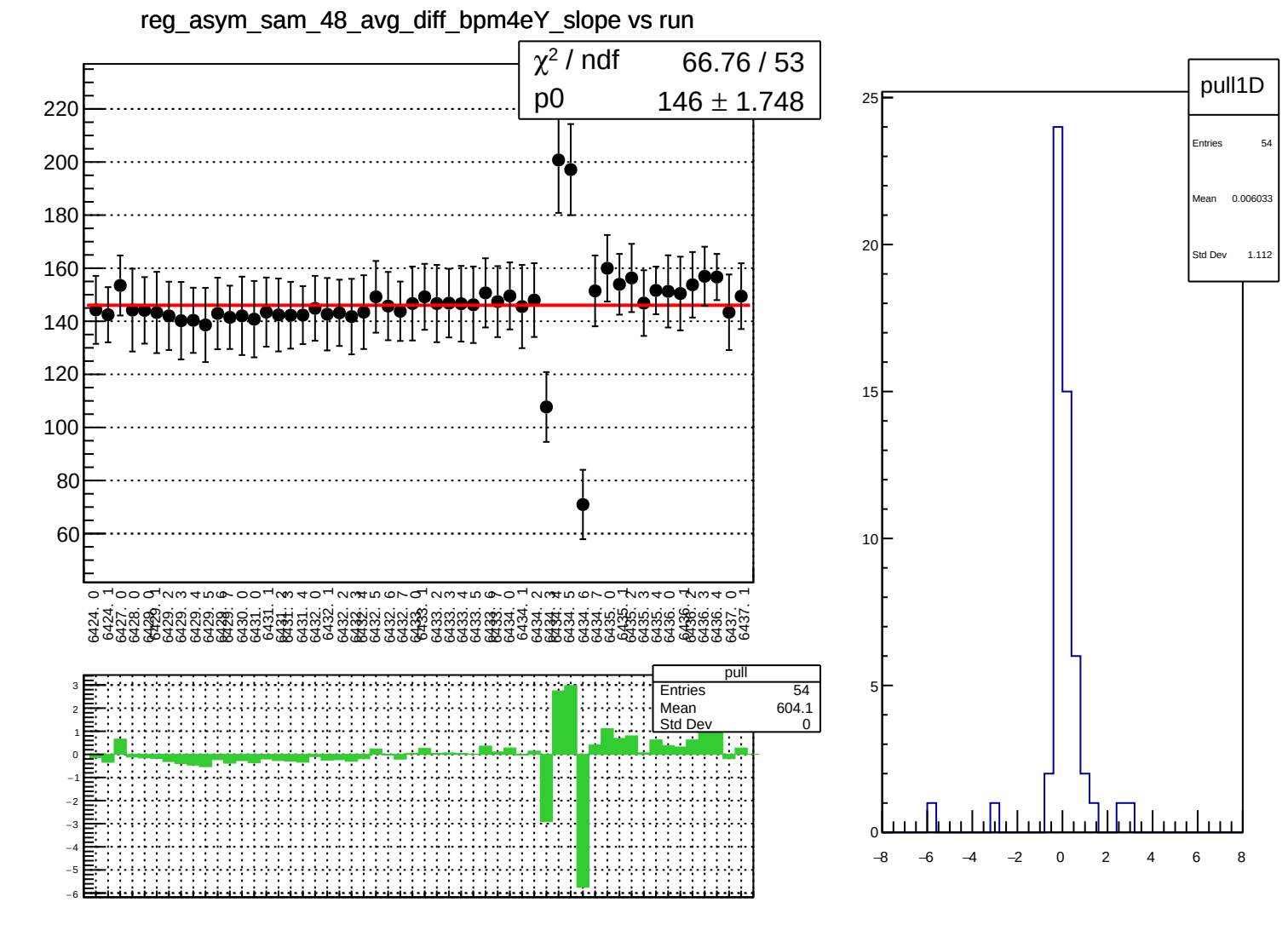

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.683 / 53
p0 0.4001± 0.08043
1.5
1
0.5
0
−0.5
pull
Entries 54
Mean −317.5
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 54
Mean 0.002867
Std Dev 0.2612
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

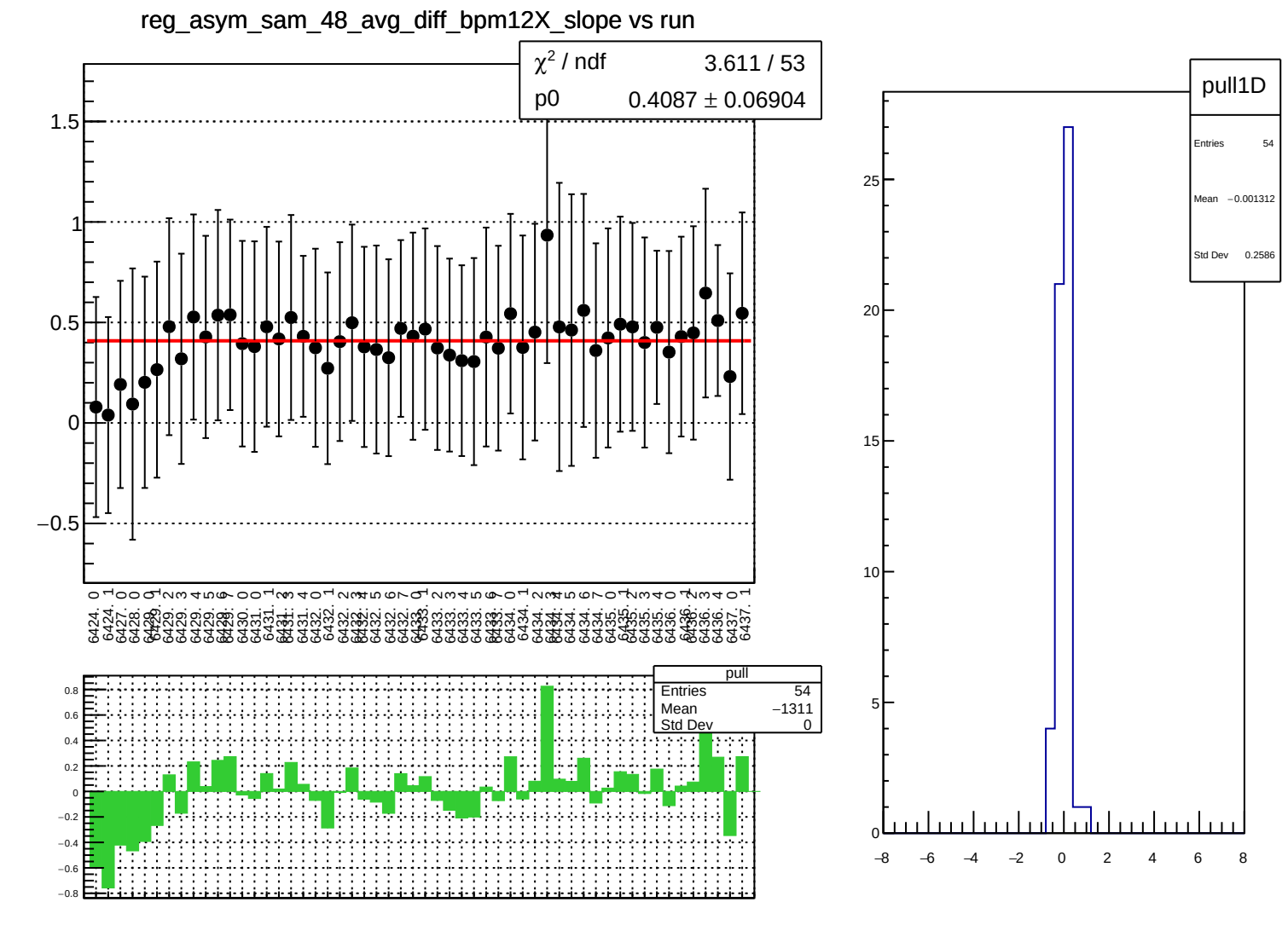

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 94.47 / 53
p0 −17.47 ± 1.697
pull
Entries 54
Mean 49.55
Std Dev 47.42

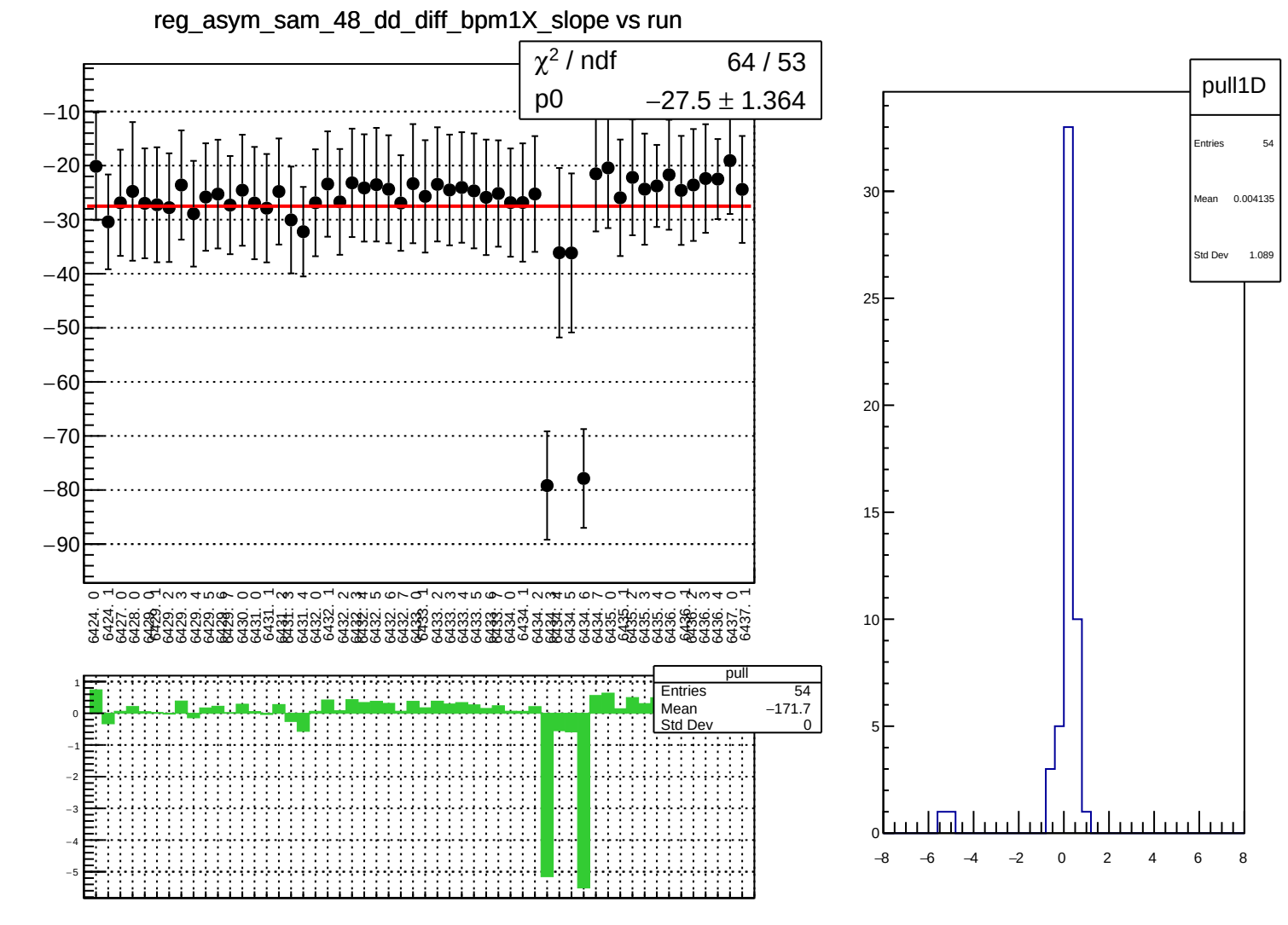

pull1D
Entries 54
Mean 0.01292
Std Dev 1.323

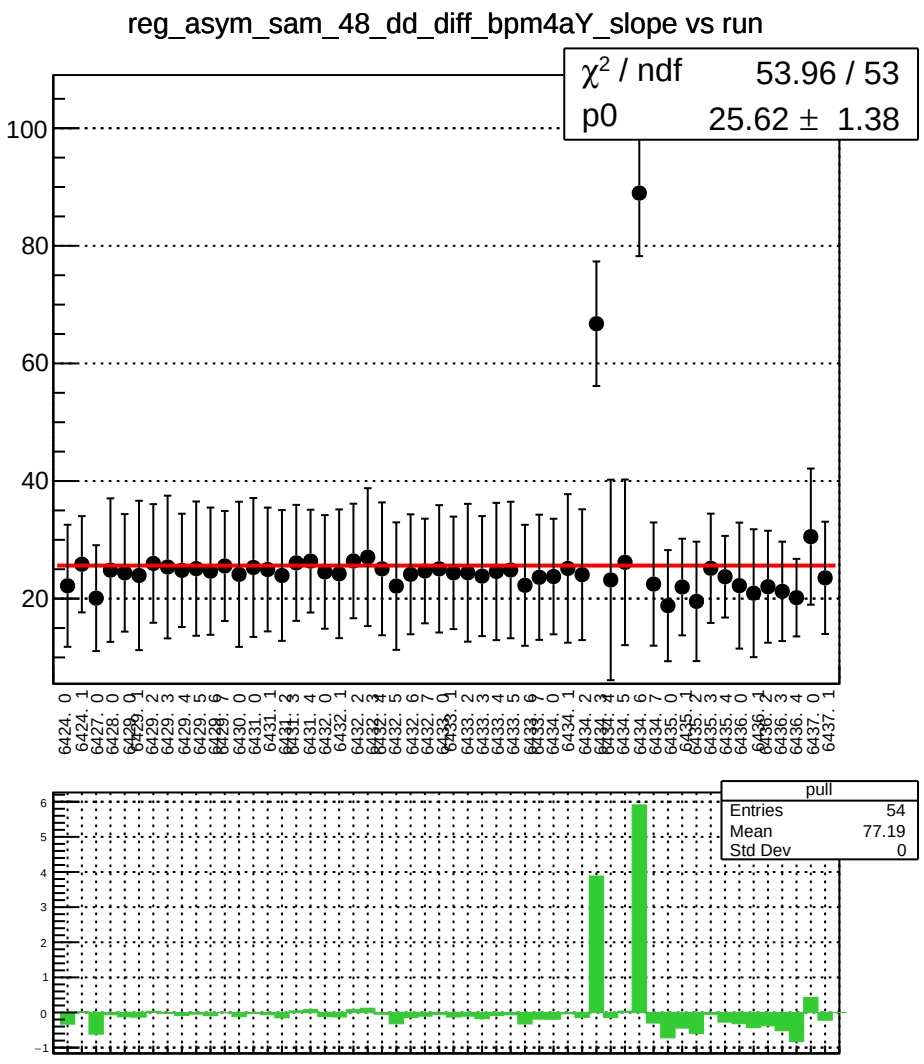

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.13 / 53
p0 −11.02 ± 1.716
pull
Entries 54
Mean 21.03
Std Dev 0
pull1D
Entries 54
Mean 0.05078
Std Dev 1.225

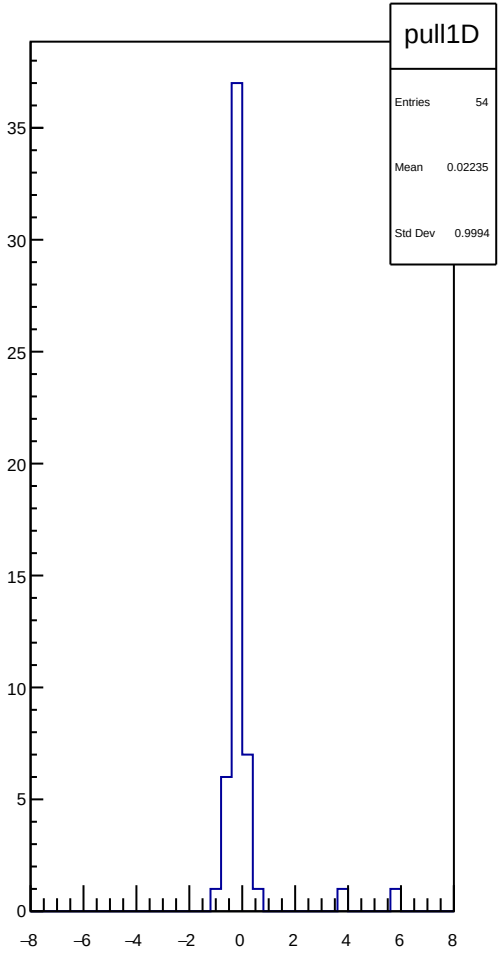

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.49 / 53
p0 −100.2 ± 1.774
pull
Entries 54
Mean 112.8
Std Dev 0
pull1D
Entries 54
Mean −0.04204
Std Dev 1.109

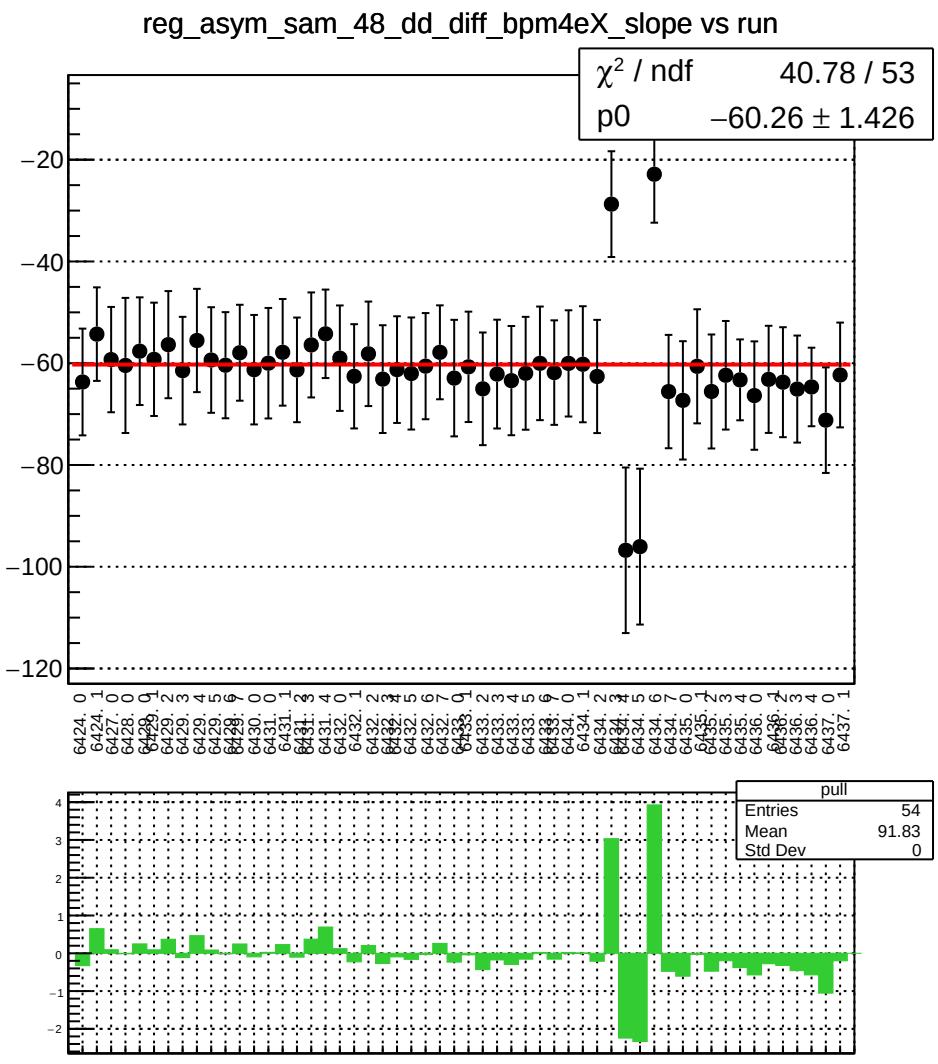

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.76 / 53
p0 146 ± 1.748
pull
Entries 54
Mean 604.1
Std Dev 0
pull1D
Entries 54
Mean 0.006033
Std Dev 1.112

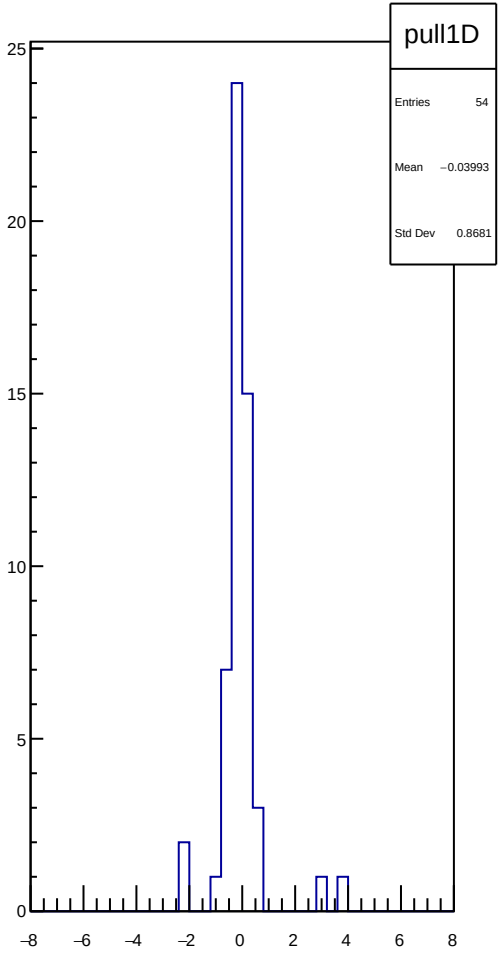

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 3.611 / 53
p0 0.4087 ± 0.06904
pull
Entries 54
Mean −1311
Std Dev 0
pull1D
Entries 54
Mean −0.001312
Std Dev 0.2586

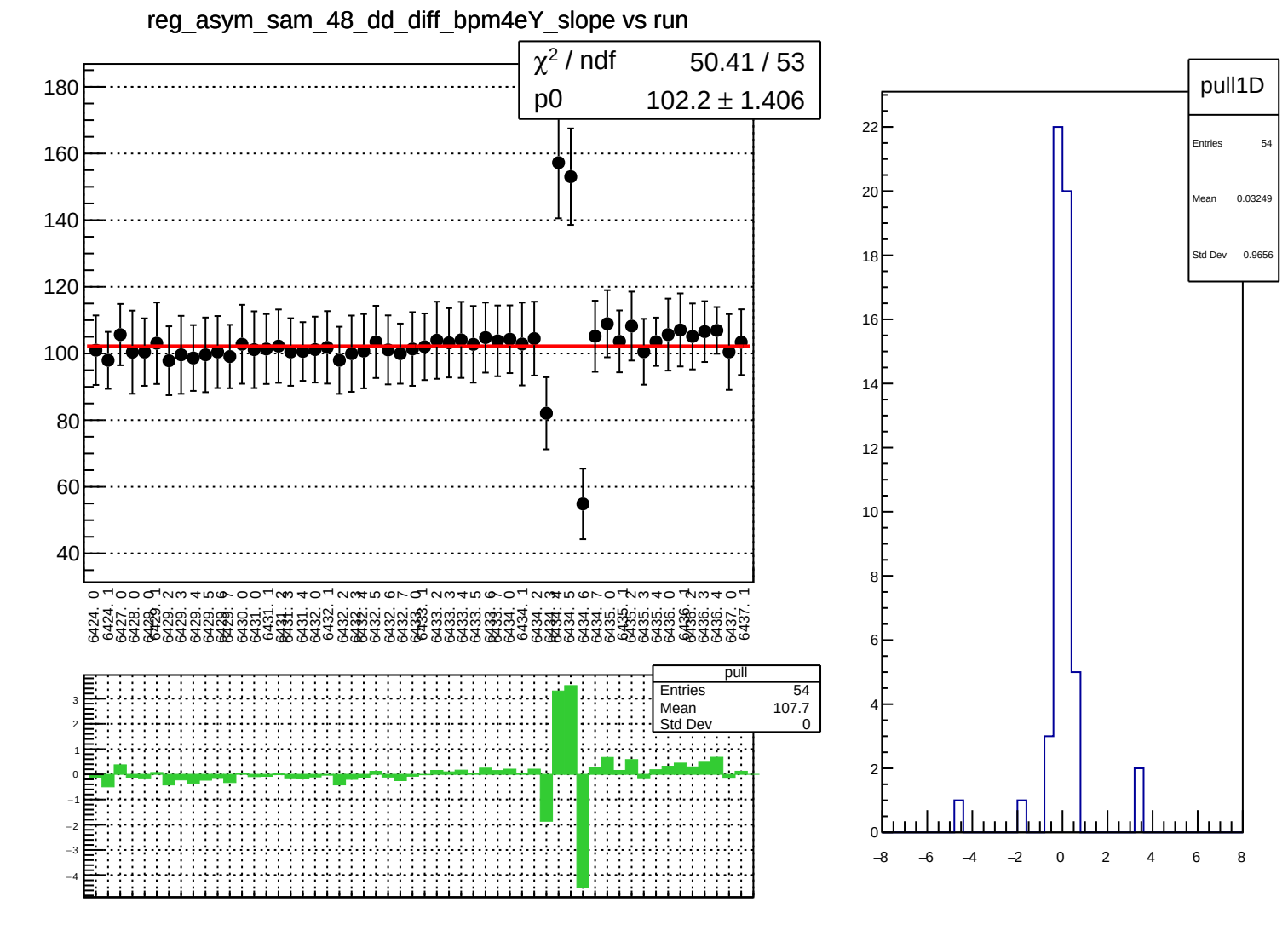

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 64 / 53
p0 −27.5 ± 1.364
pull
Entries 54
Mean −171.7
Std Dev 0
pull1D
Entries 54
Mean 0.004135
Std Dev 1.089

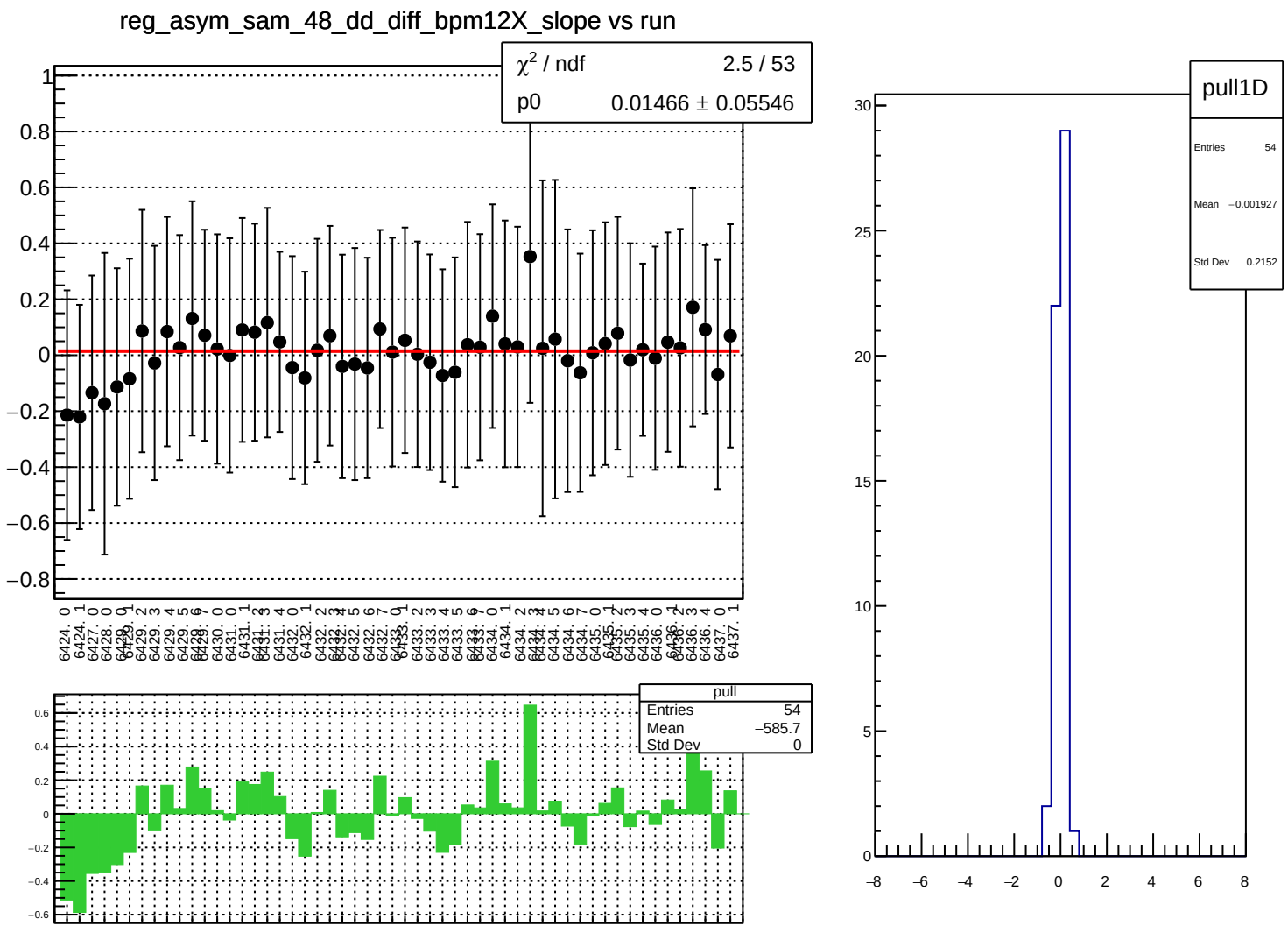

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.96 / 53
p0 25.62 ± 1.38
pull
Entries 54
Mean 77.19
Std Dev 0

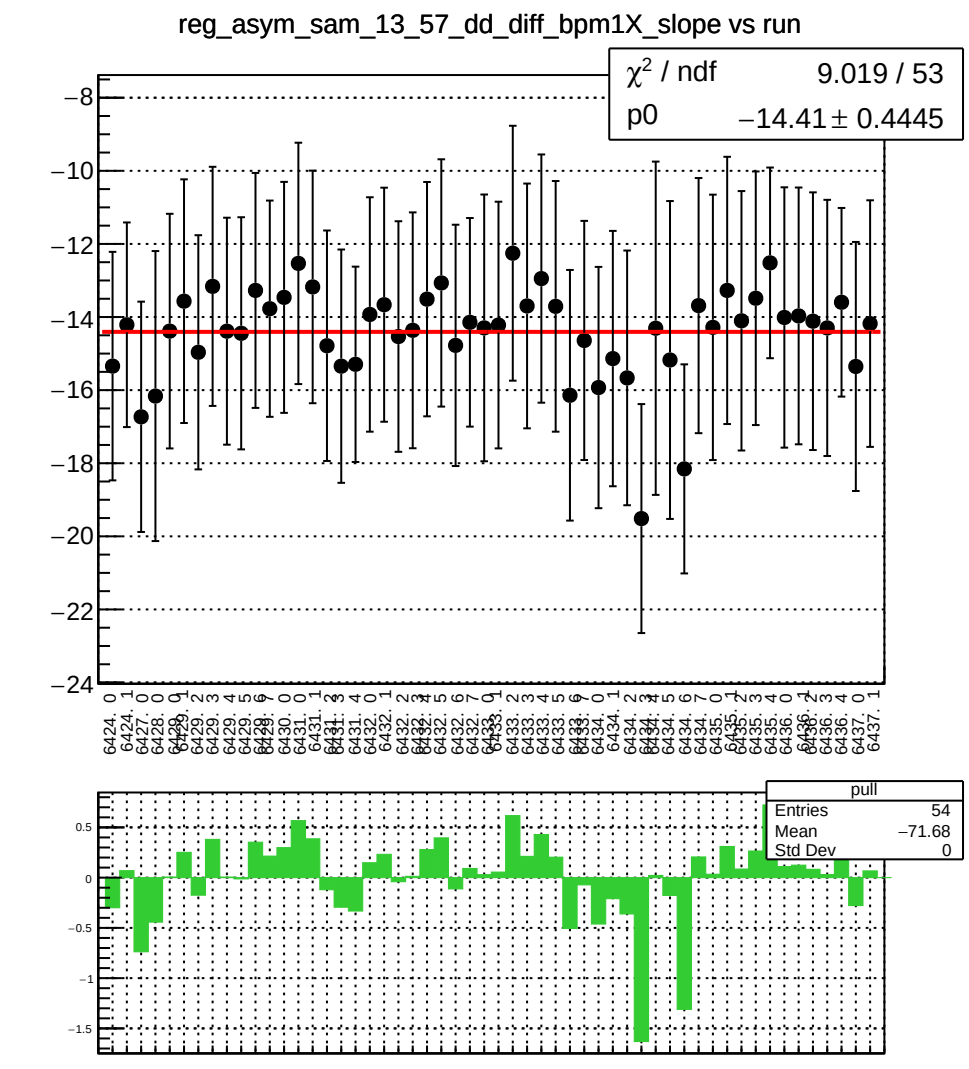

pull1D
Entries 54
Mean 0.02235
Std Dev 0.9994

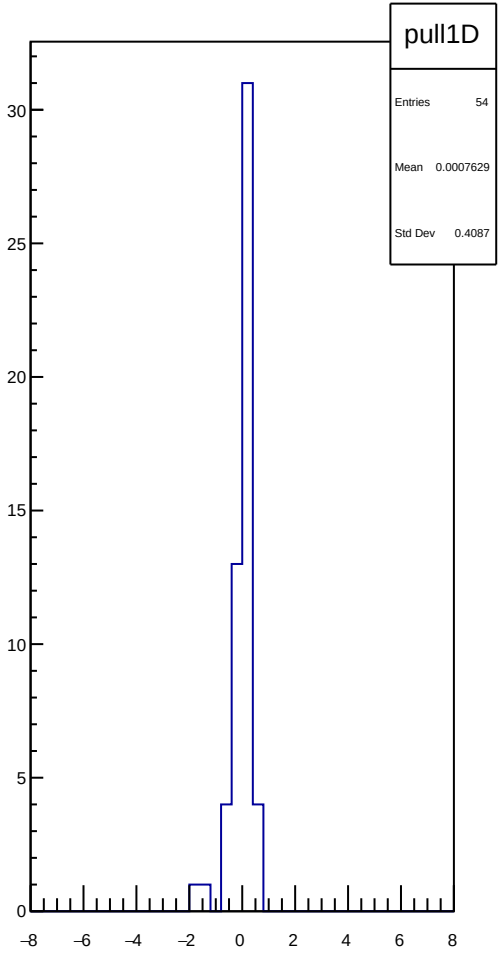

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.78 / 53
p0 −60.26 ± 1.426
pull
Entries 54
Mean 91.83
Std Dev 0

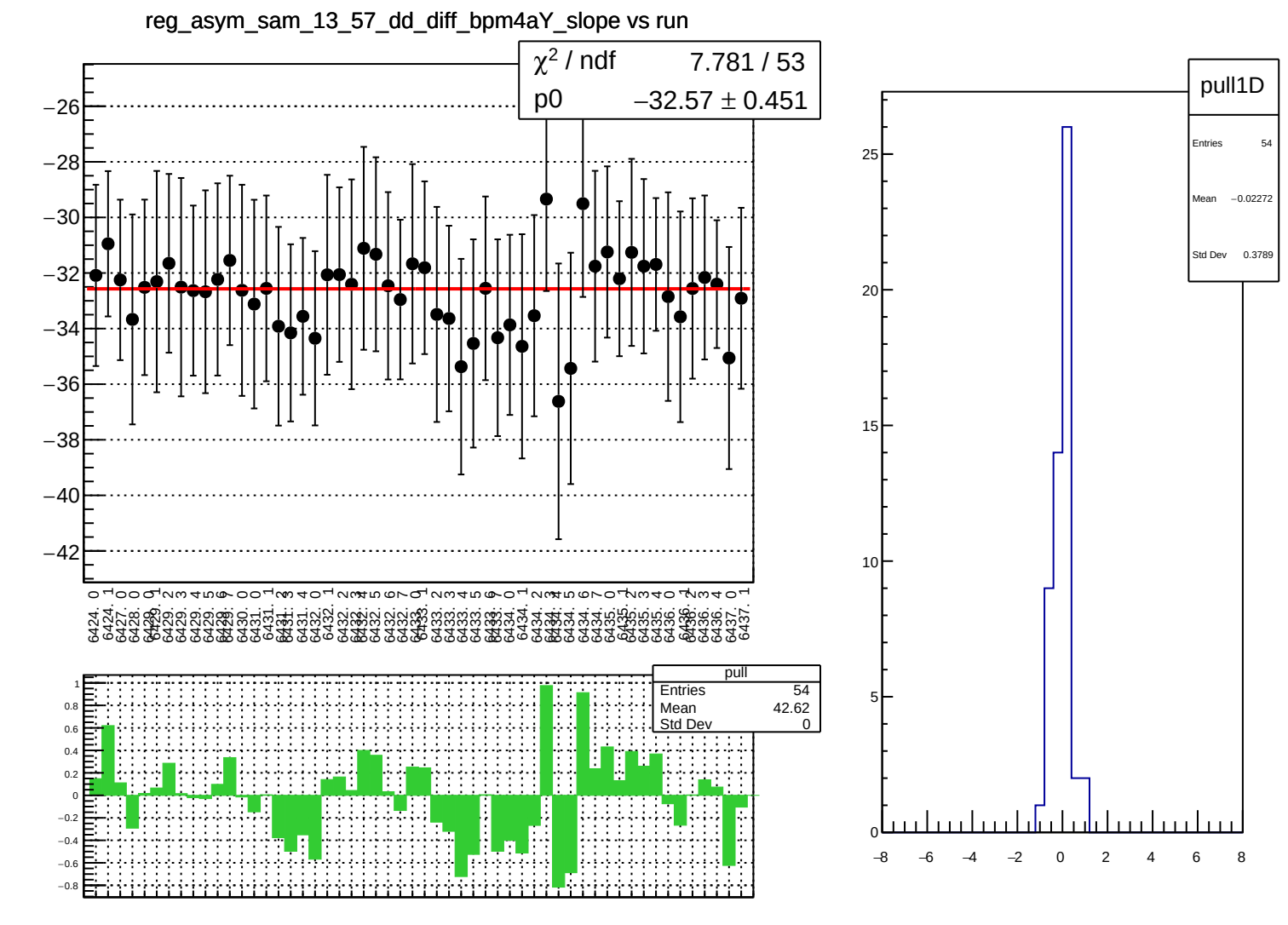

pull1D
Entries 54
Mean −0.03993
Std Dev 0.8681

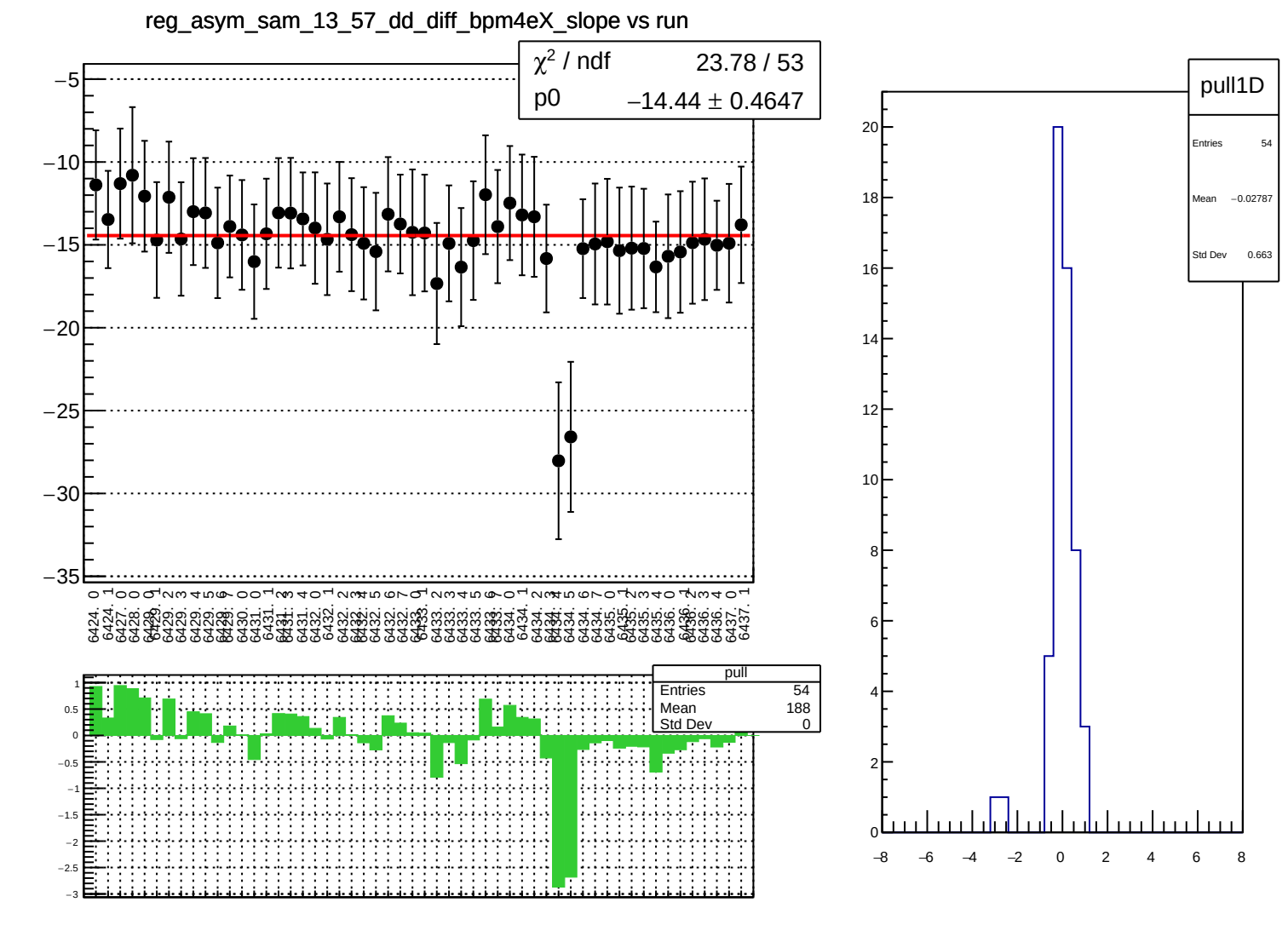

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.41 / 53
p0 102.2 ± 1.406
pull
Entries 54
Mean 107.7
Std Dev 0
pull1D
Entries 54
Mean 0.03249
Std Dev 0.9656

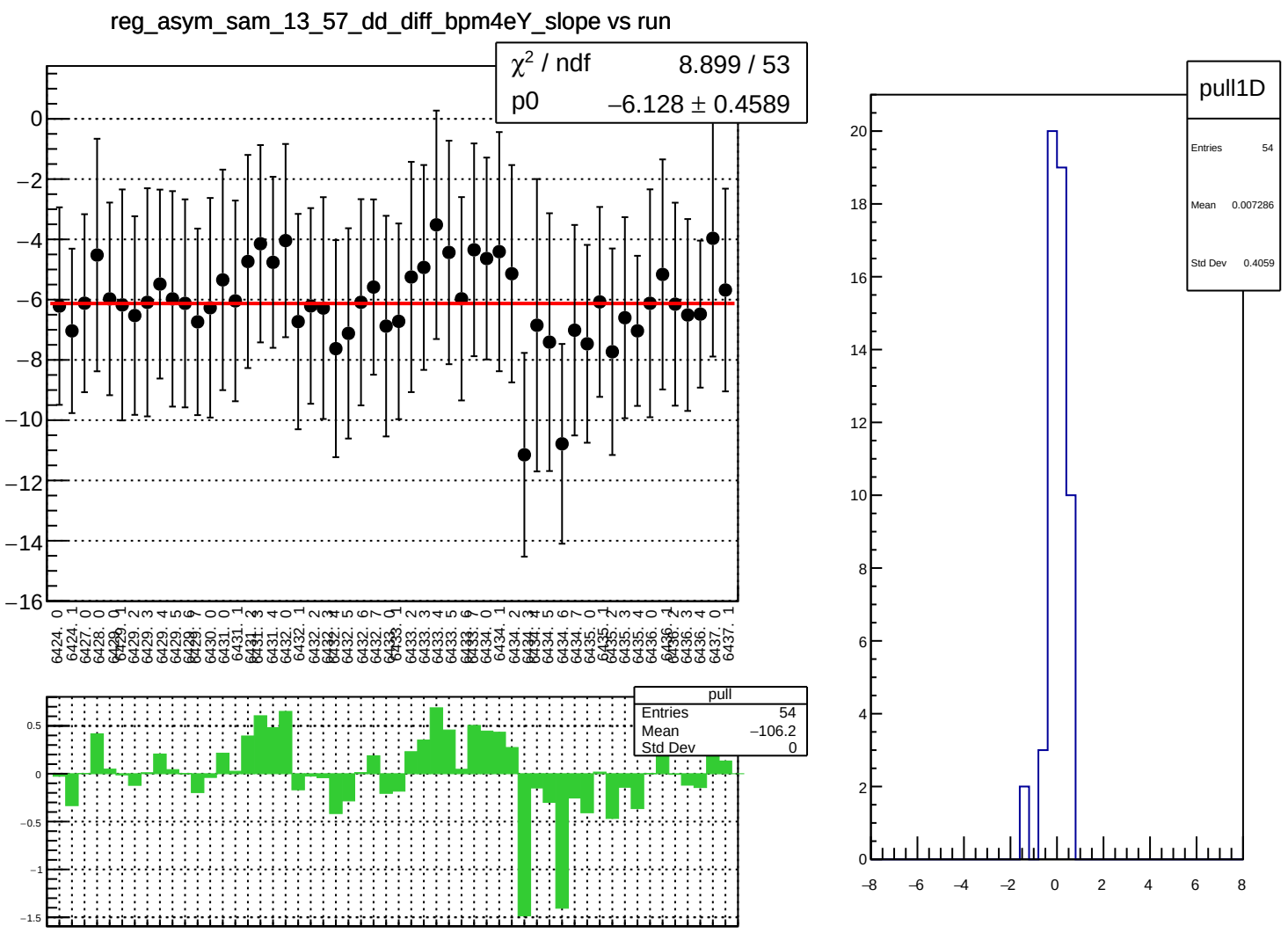

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.5 / 53
p0 0.01466 ± 0.05546
pull
Entries 54
Mean −585.7
Std Dev 0
pull1D
Entries 54
Mean −0.001927
Std Dev 0.2152

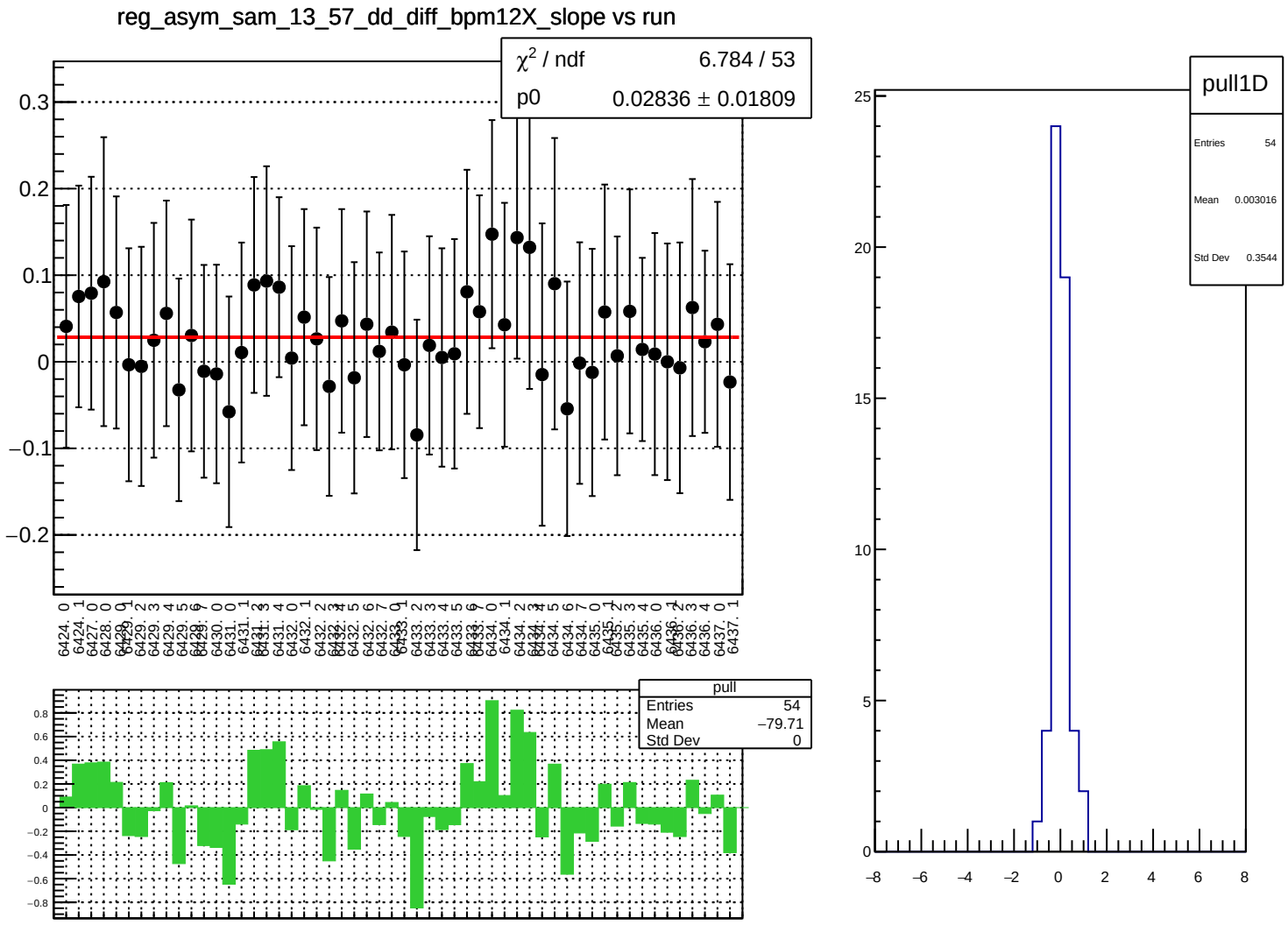

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.019 / 53
p0 −14.41 ± 0.4445
pull
Entries 54
Mean −71.68
Std Dev 0

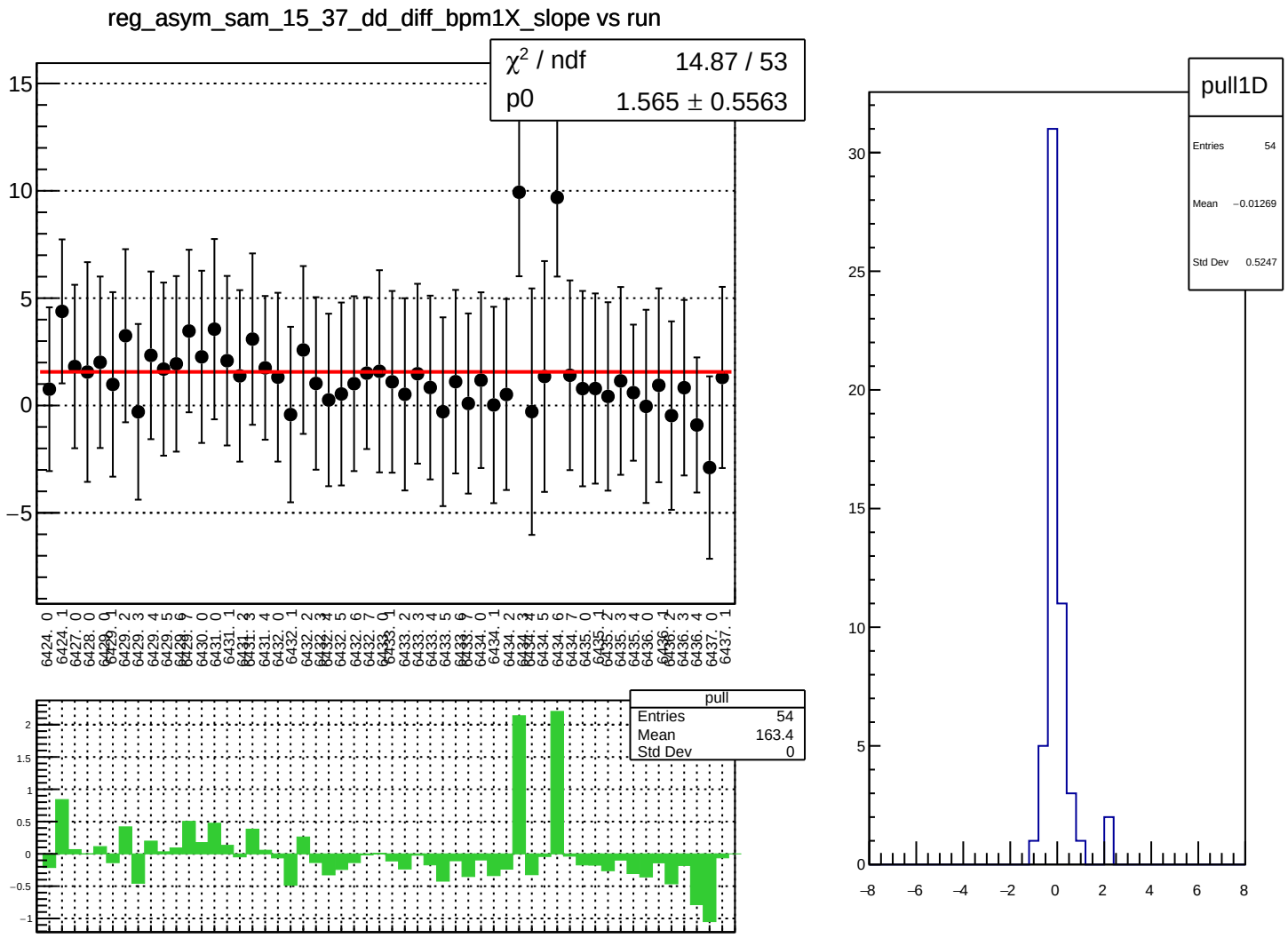

pull1D
Entries 54
Mean 0.0007629
Std Dev 0.4087

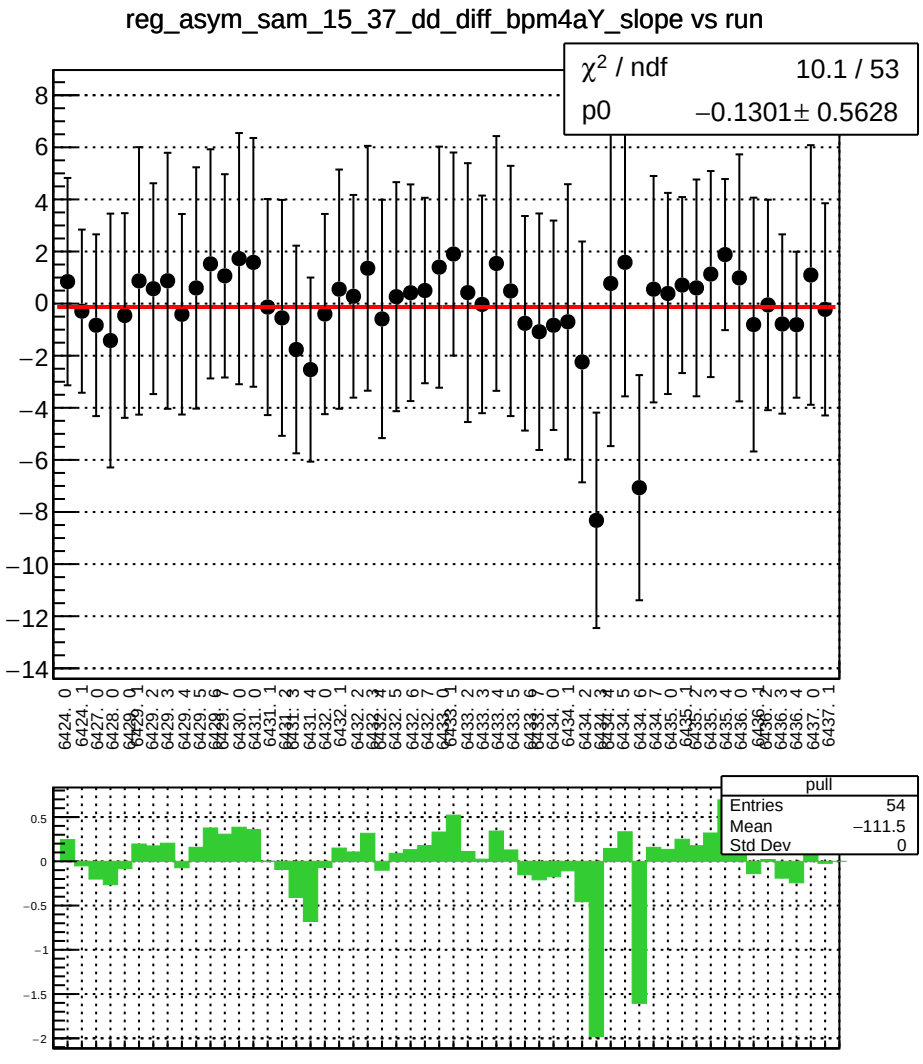

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.781 / 53
p0 −32.57 ± 0.451
pull
Entries 54
Mean 42.62
Std Dev 0
pull1D
Entries 54
Mean −0.02272
Std Dev 0.3789

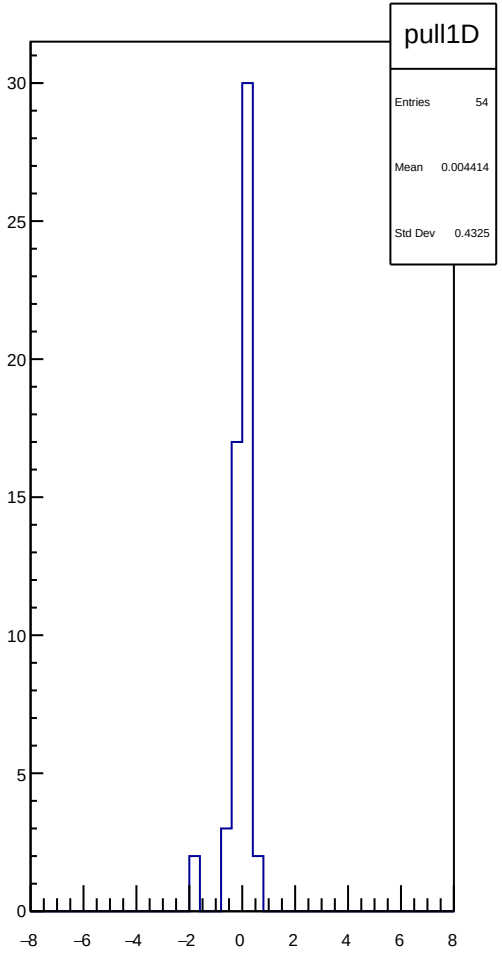

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.78 / 53
p0 −14.44 ± 0.4647
pull
Entries 54
Mean 188
Std Dev 0
pull1D
Entries 54
Mean −0.02787
Std Dev 0.663

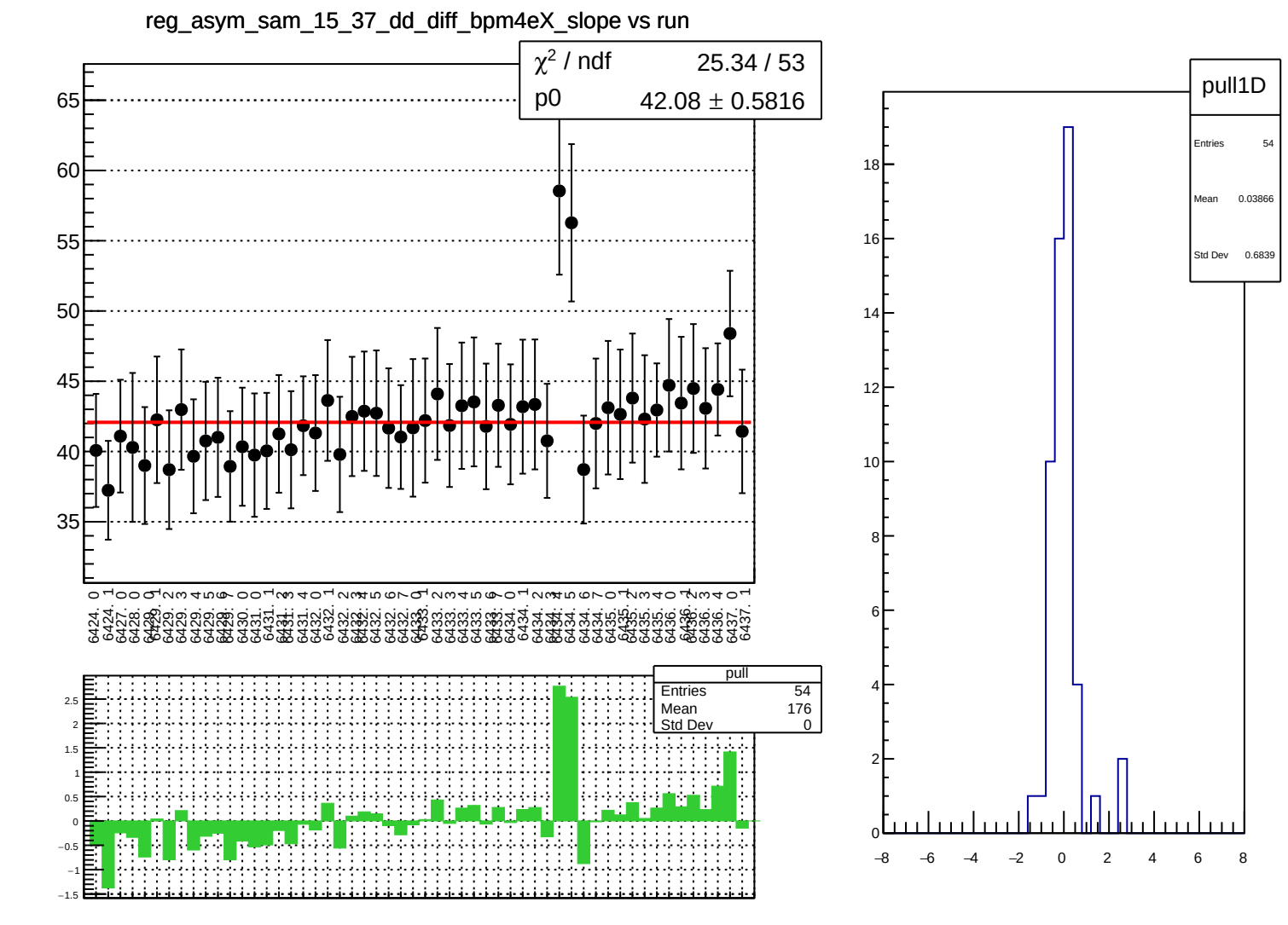

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.899 / 53
p0 −6.128 ± 0.4589
pull
Entries 54
Mean −106.2
Std Dev 0
pull1D
Entries 54
Mean 0.007286
Std Dev 0.4059

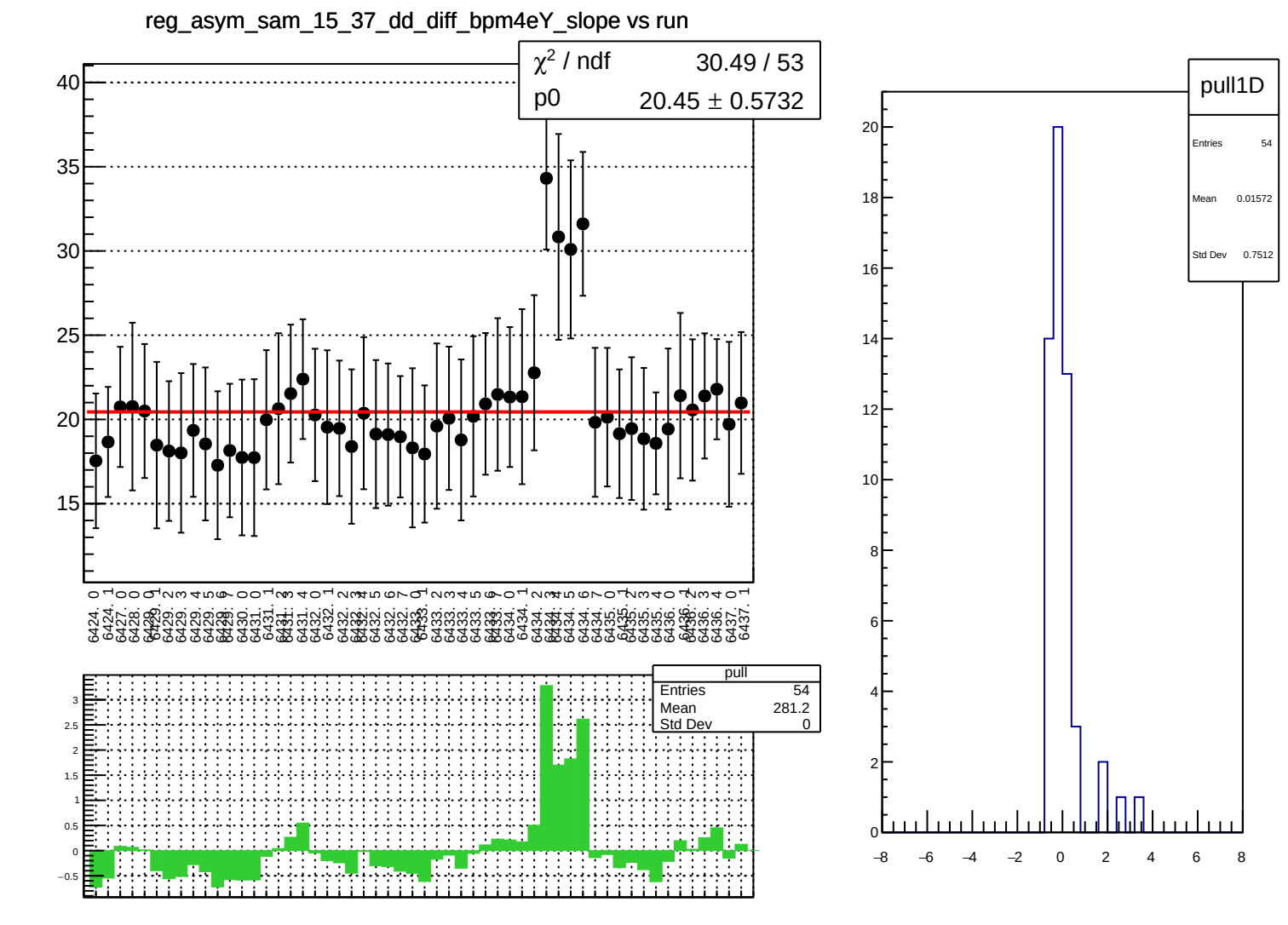

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 6.784 / 53
p0 0.02836 ± 0.01809
pull
Entries 54
Mean −79.71
Std Dev 0
pull1D
Entries 54
Mean 0.003016
Std Dev 0.3544

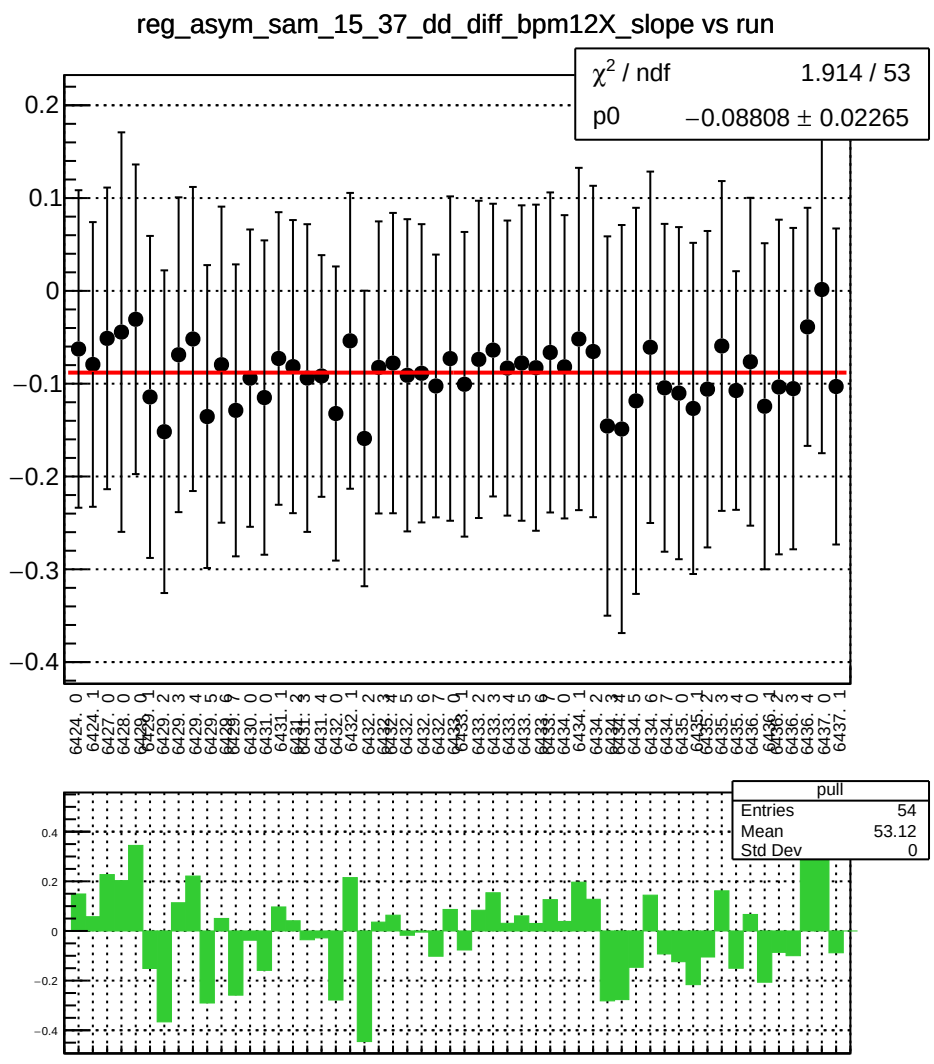

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 14.87 / 53
p0 1.565 ± 0.5563
pull
Entries 54
Mean 163.4
Std Dev 0
pull1D
Entries 54
Mean −0.01269
Std Dev 0.5247

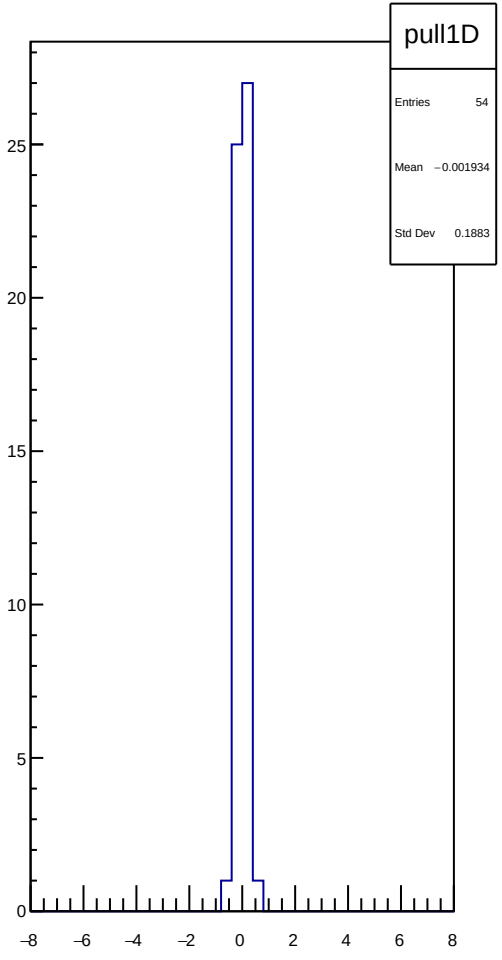

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.1 / 53
p0 −0.1301 ± 0.5628
pull
Entries 54
Mean −111.5
Std Dev 0

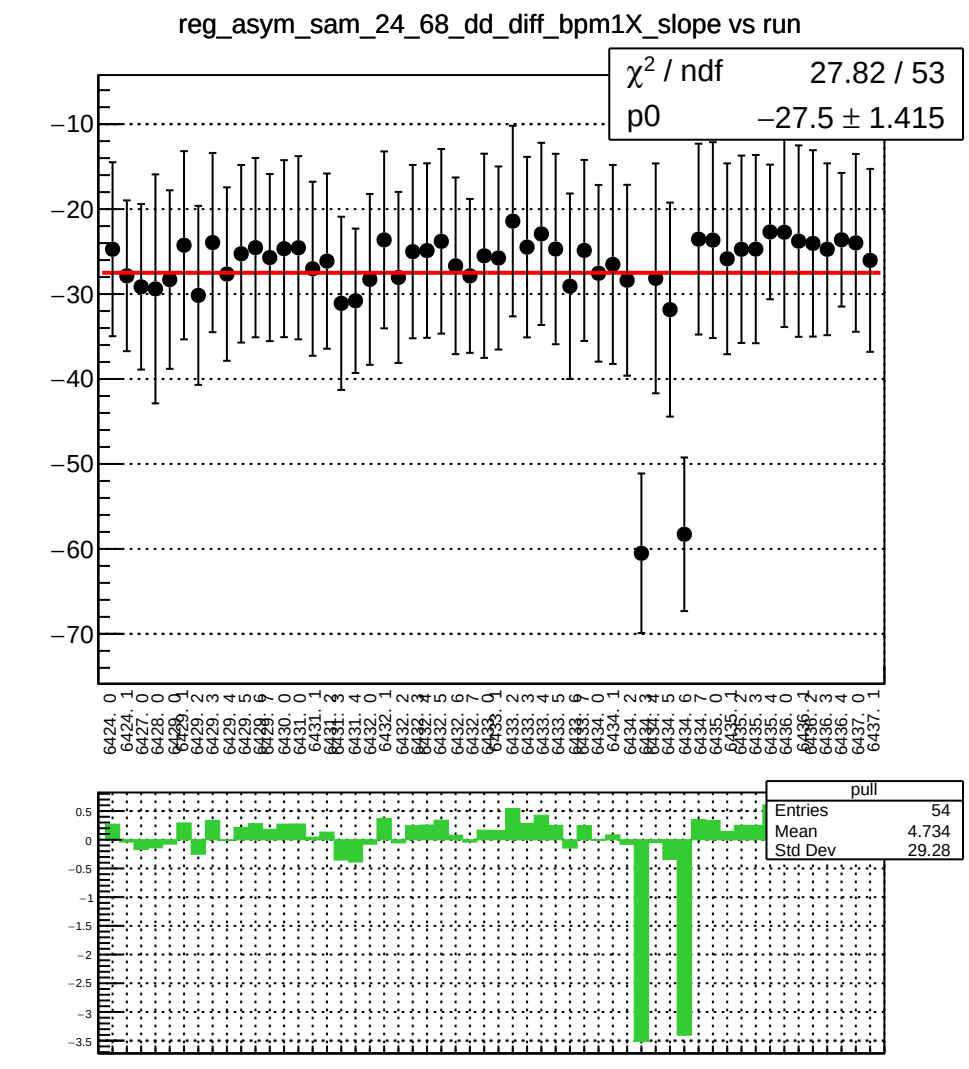

pull1D
Entries 54
Mean 0.004414
Std Dev 0.4325

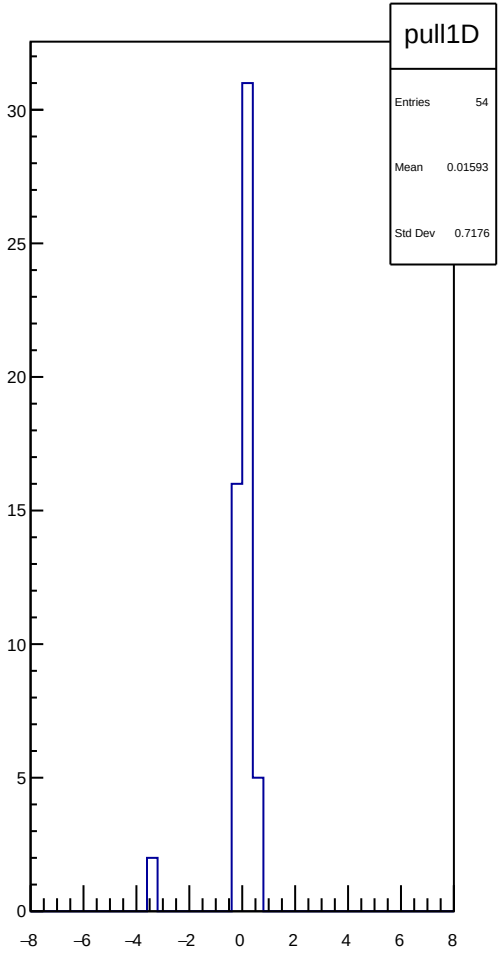

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.34 / 53
p0 42.08 ± 0.5816
pull
Entries 54
Mean 176
Std Dev 0
pull1D
Entries 54
Mean 0.03866
Std Dev 0.6839

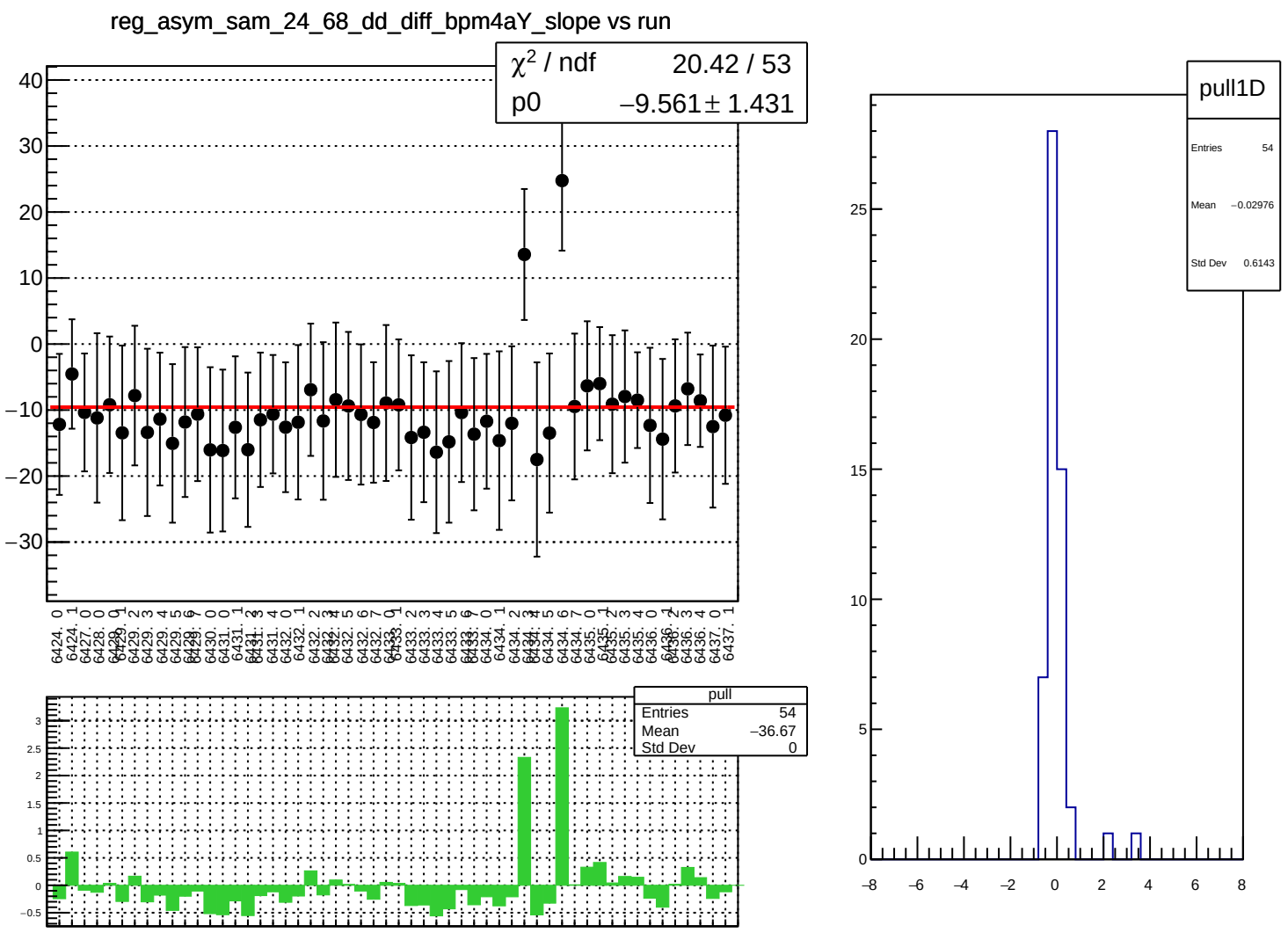

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.49 / 53
p0 20.45 ± 0.5732
pull
Entries 54
Mean 281.2
Std Dev 0
pull1D
Entries 54
Mean 0.01572
Std Dev 0.7512

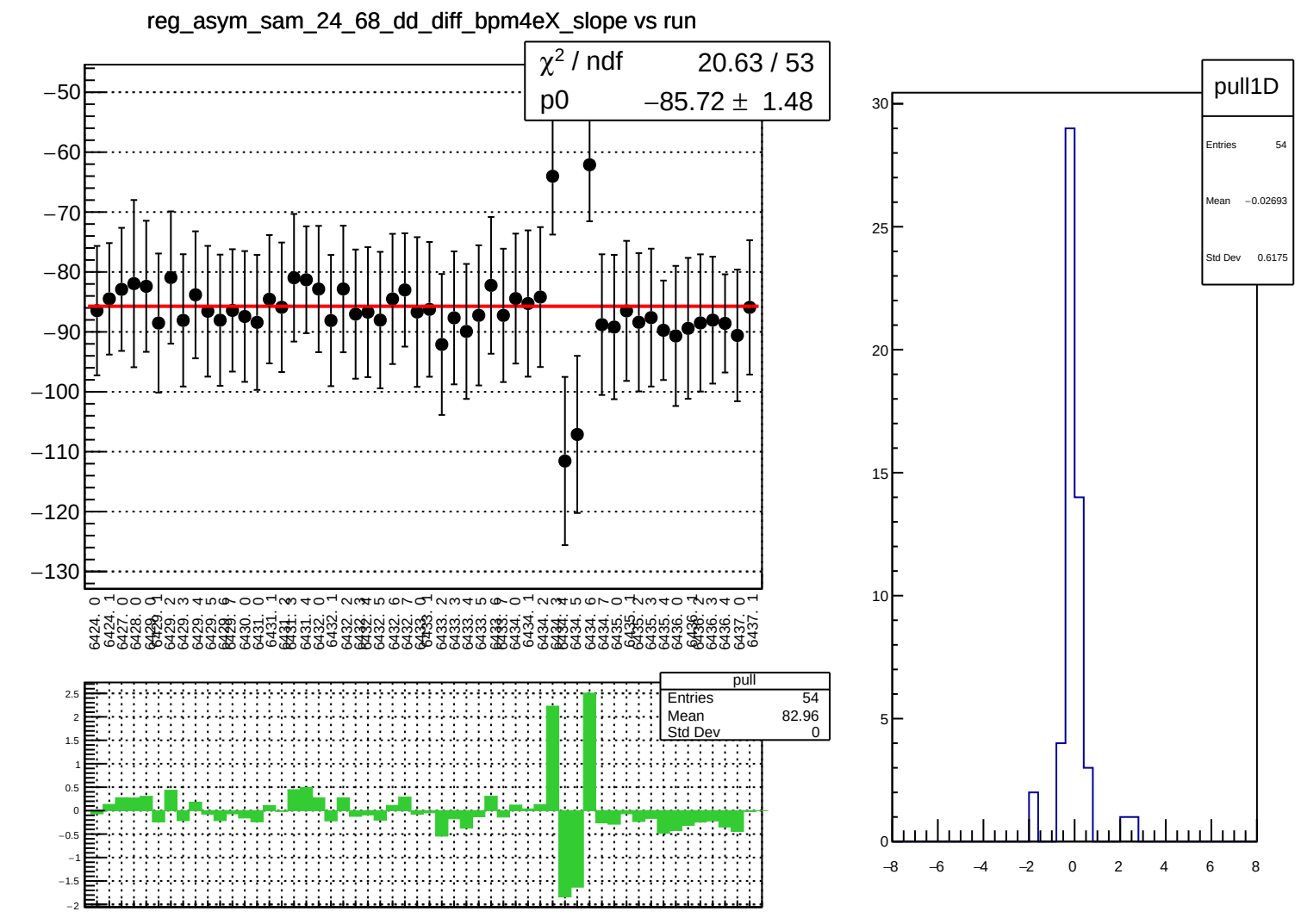

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.914 / 53
p0 −0.08808 ± 0.02265
pull
Entries 54
Mean 53.12
Std Dev 0

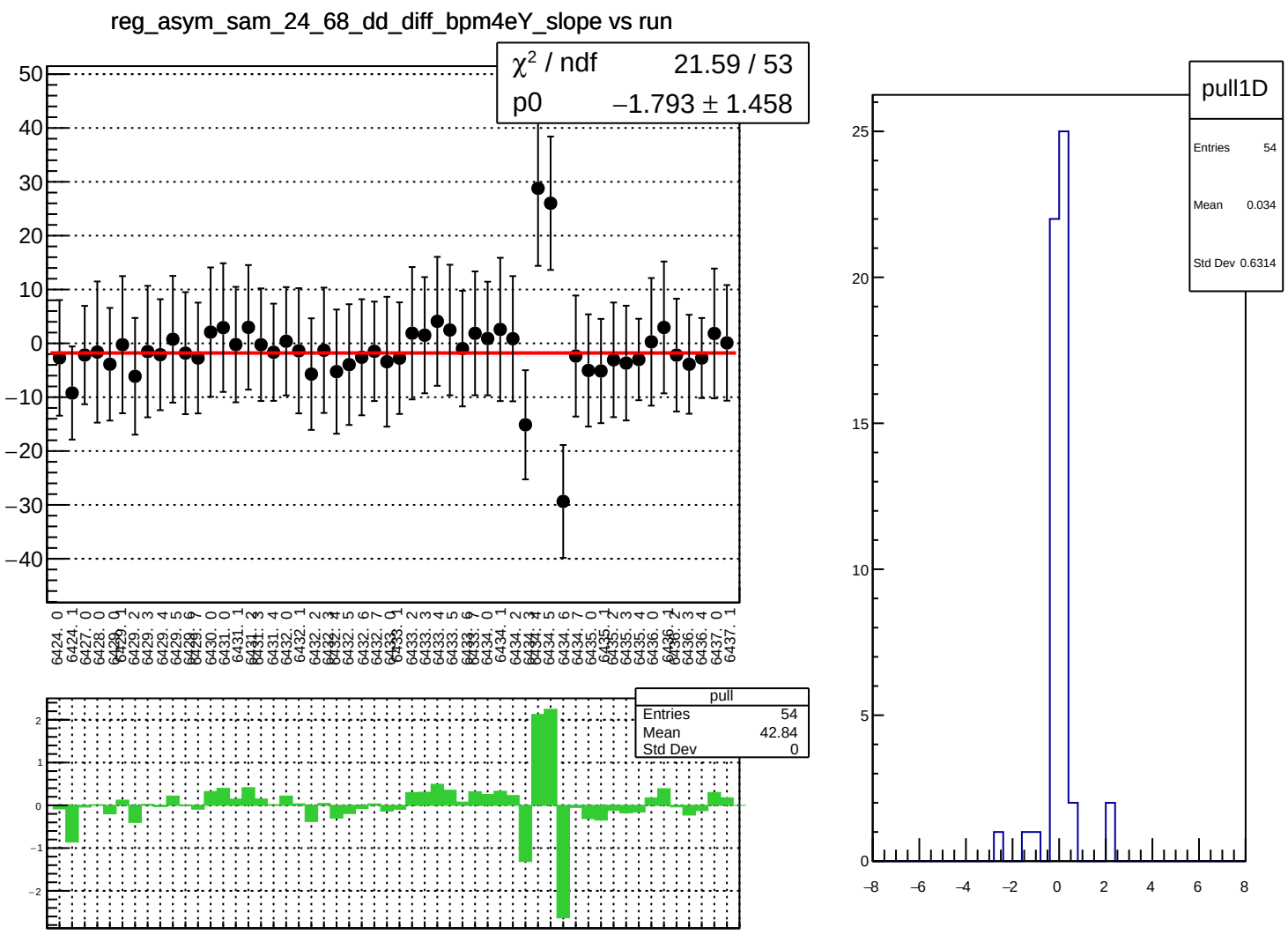

pull1D
Entries 54
Mean −0.001934
Std Dev 0.1883

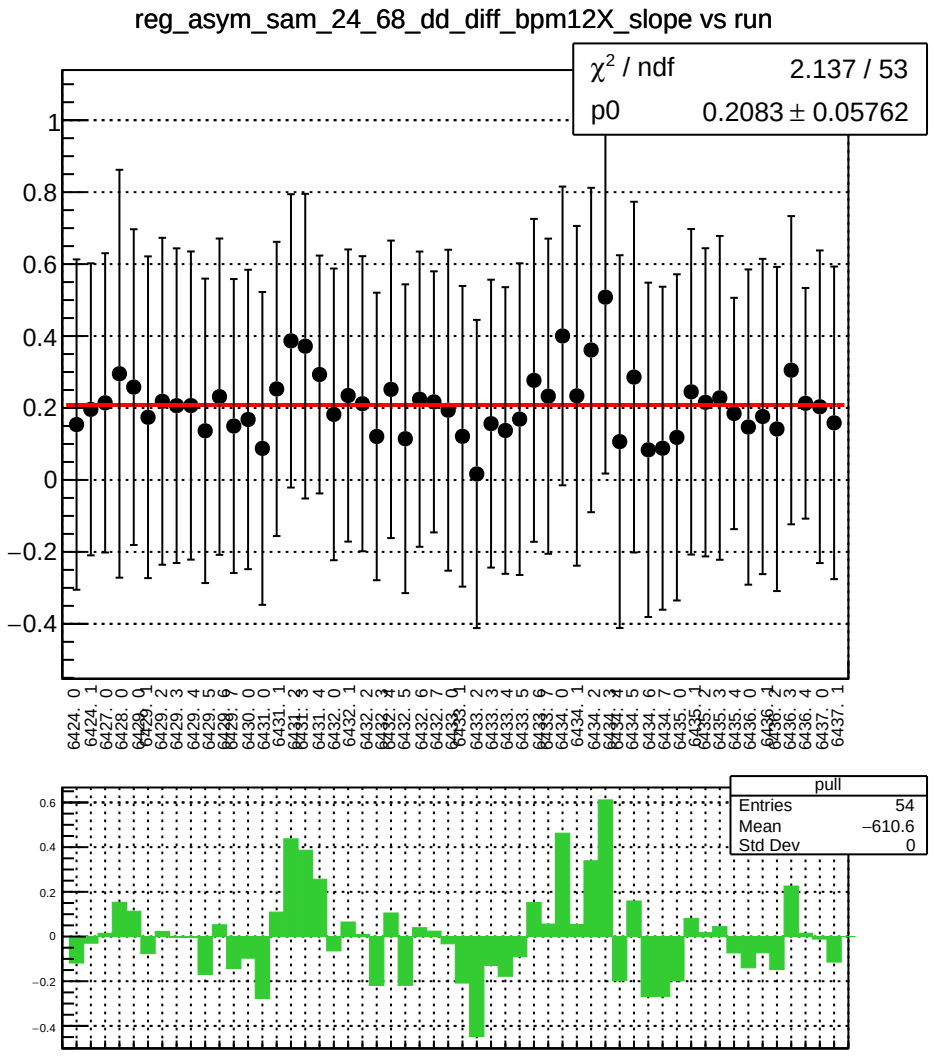

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 27.82 / 53
p0 −27.5 ± 1.415
pull
Entries 54
Mean 4.734
Std Dev 29.28

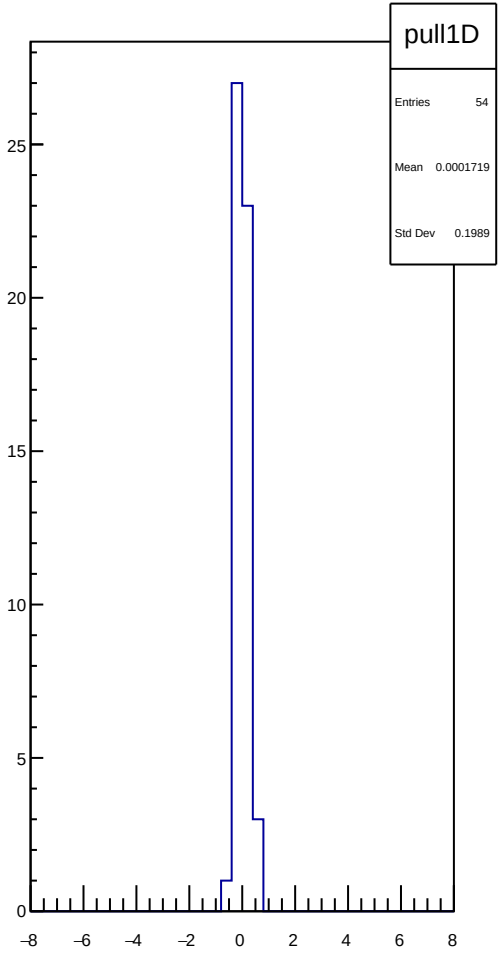

pull1D
Entries 54
Mean 0.01593
Std Dev 0.7176

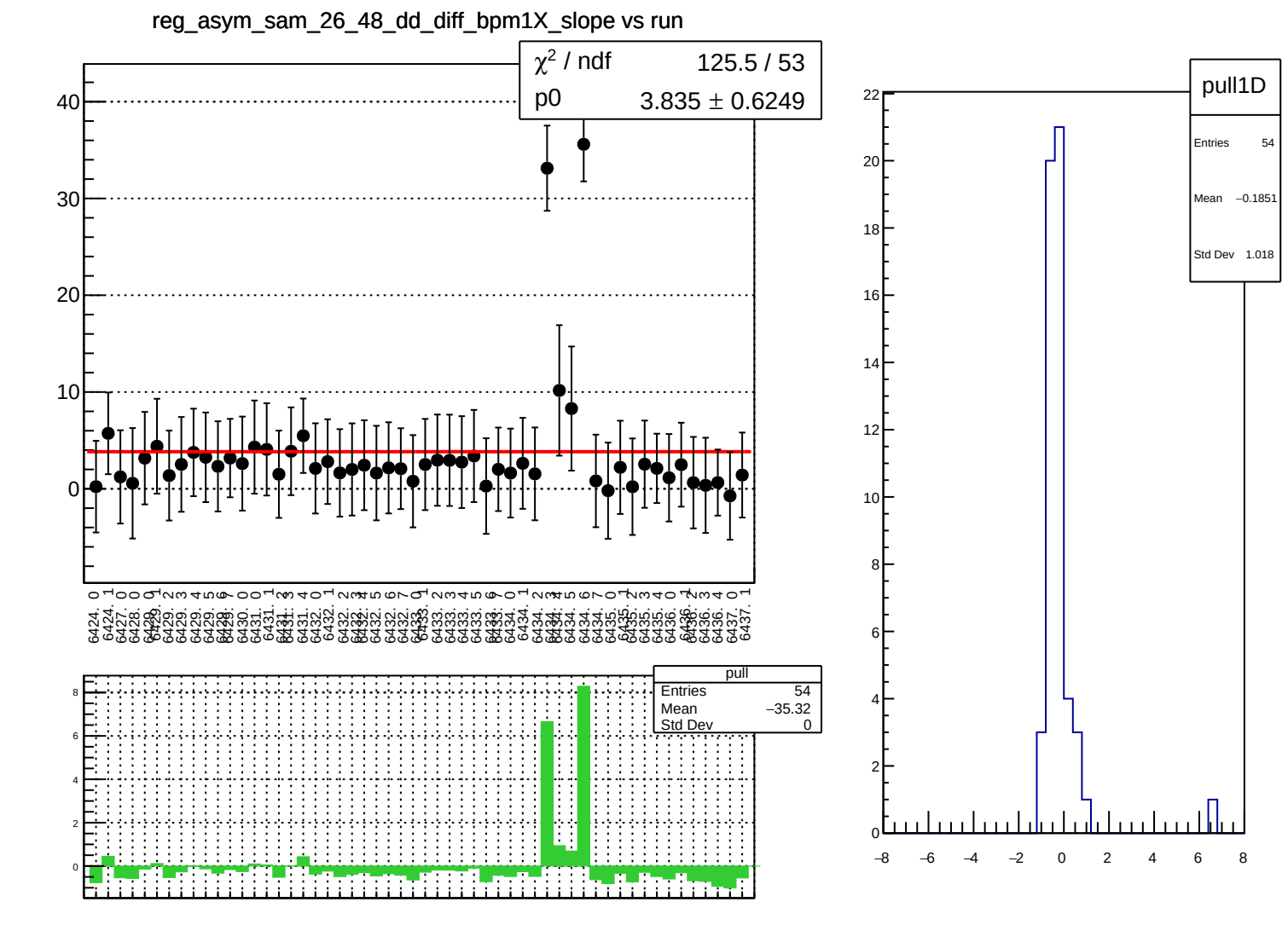

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.42 / 53
p0 −9.561 ± 1.431
pull
Entries 54
Mean −36.67
Std Dev 0
pull1D
Entries 54
Mean −0.02976
Std Dev 0.6143

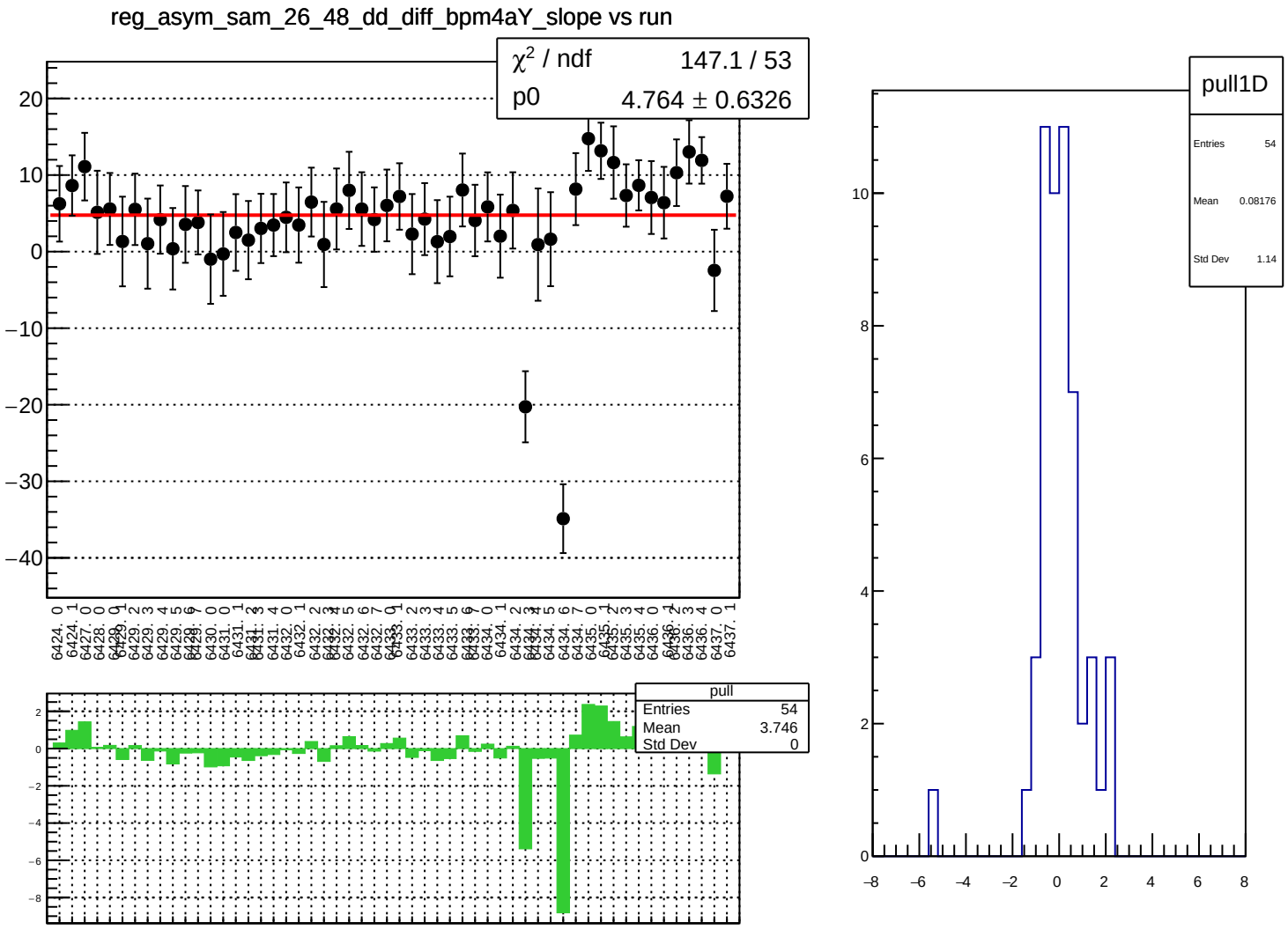

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.63 / 53
p0 −85.72 ± 1.48
pull
Entries 54
Mean 82.96
Std Dev 0
pull1D
Entries 54
Mean −0.02693
Std Dev 0.6175

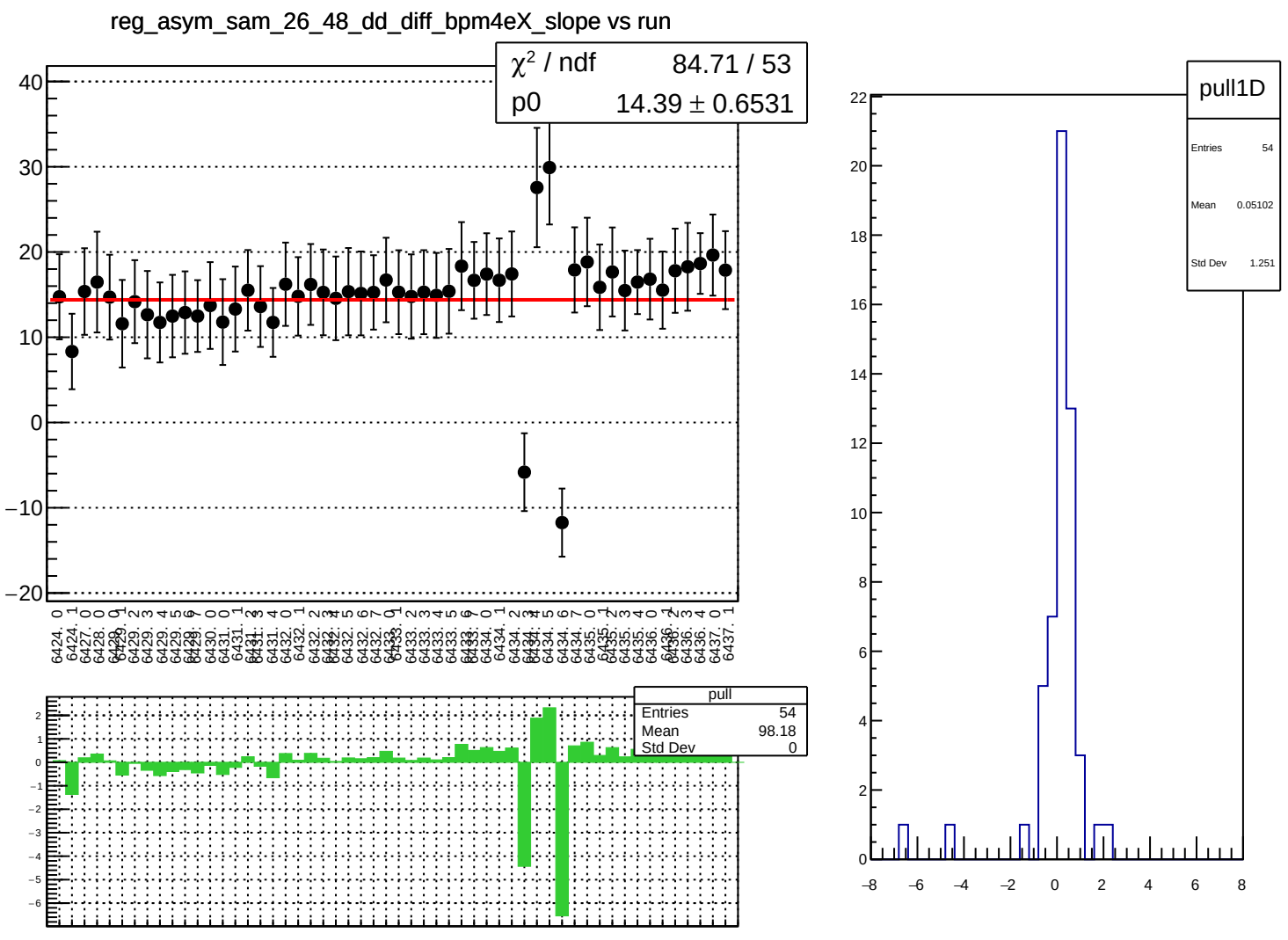

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.59 / 53
p0 −1.793 ± 1.458
pull
Entries 54
Mean 42.84
Std Dev 0
pull1D
Entries 54
Mean 0.034
Std Dev 0.6314

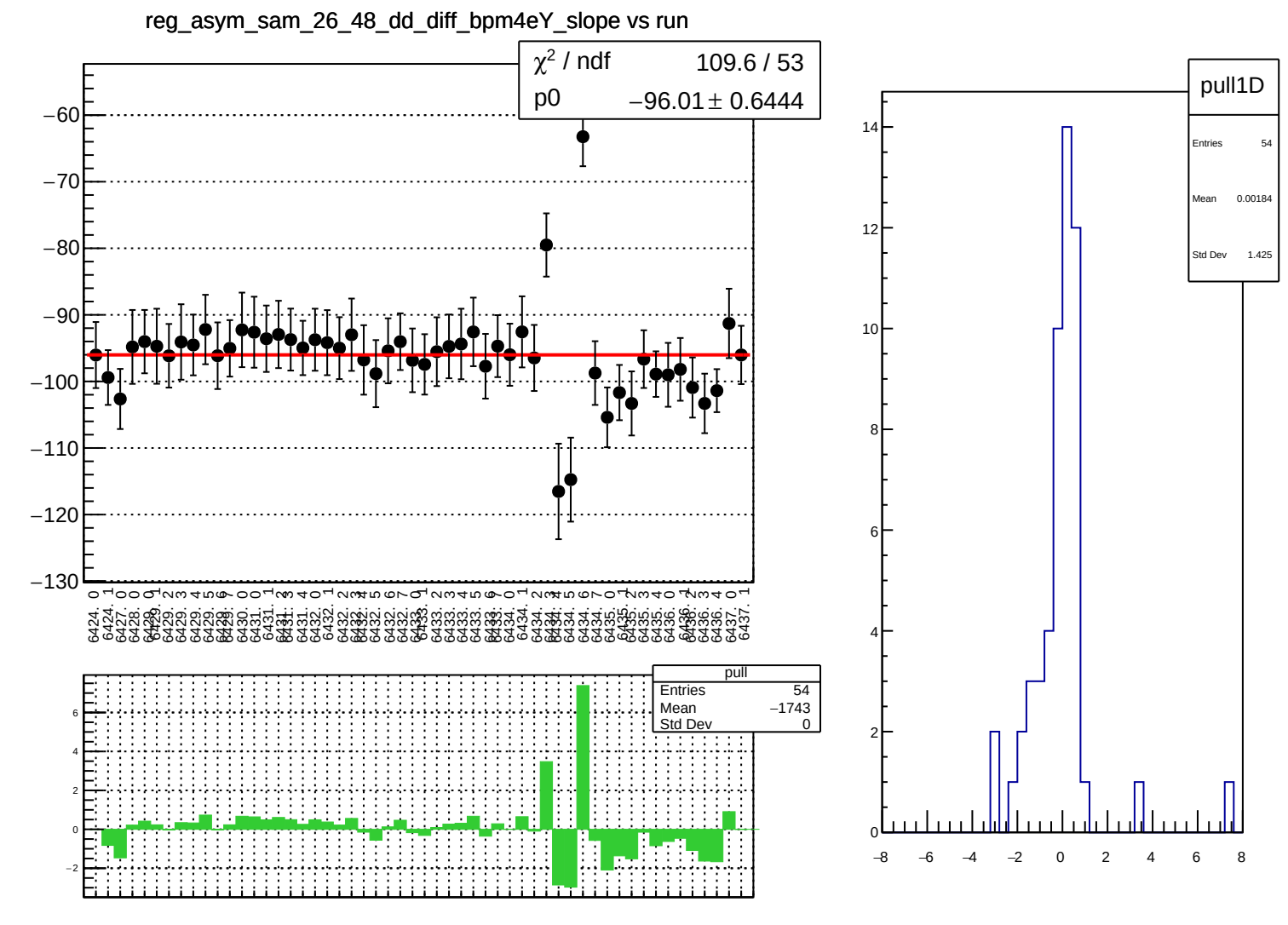

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.137 / 53
p0 0.2083 ± 0.05762
pull
Entries 54
Mean −610.6
Std Dev 0

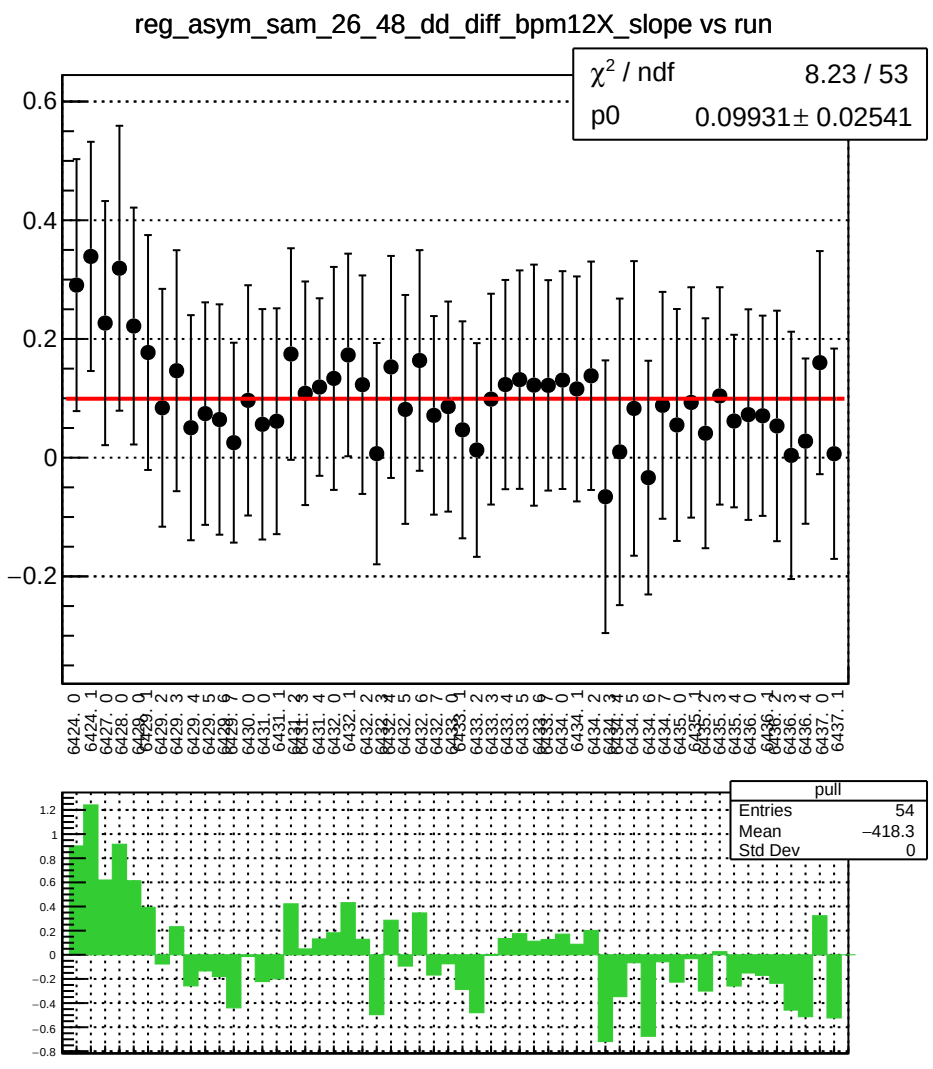

pull1D
Entries 54
Mean 0.0001719
Std Dev 0.1989

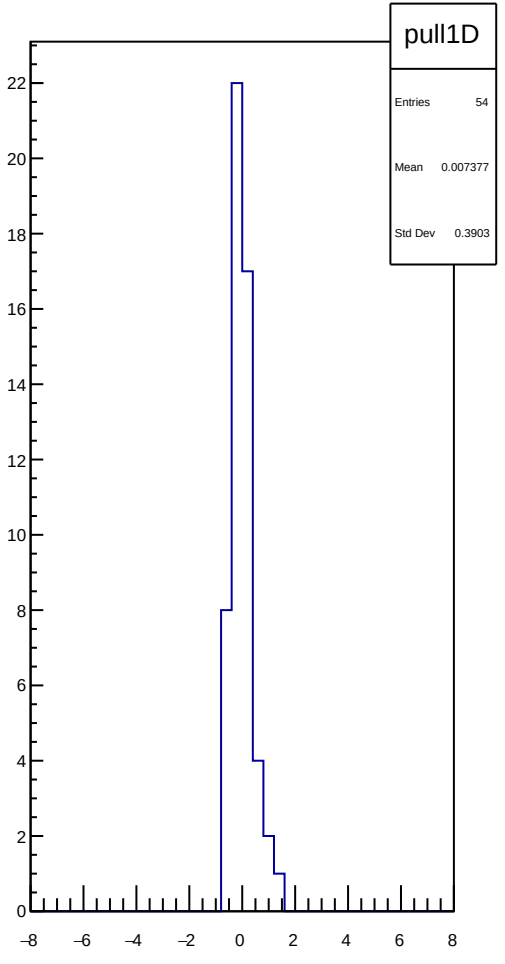

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 125.5 / 53
p0 3.835 ± 0.6249
pull
Entries 54
Mean −35.32
Std Dev 0
pull1D
Entries 54
Mean −0.1851
Std Dev 1.018

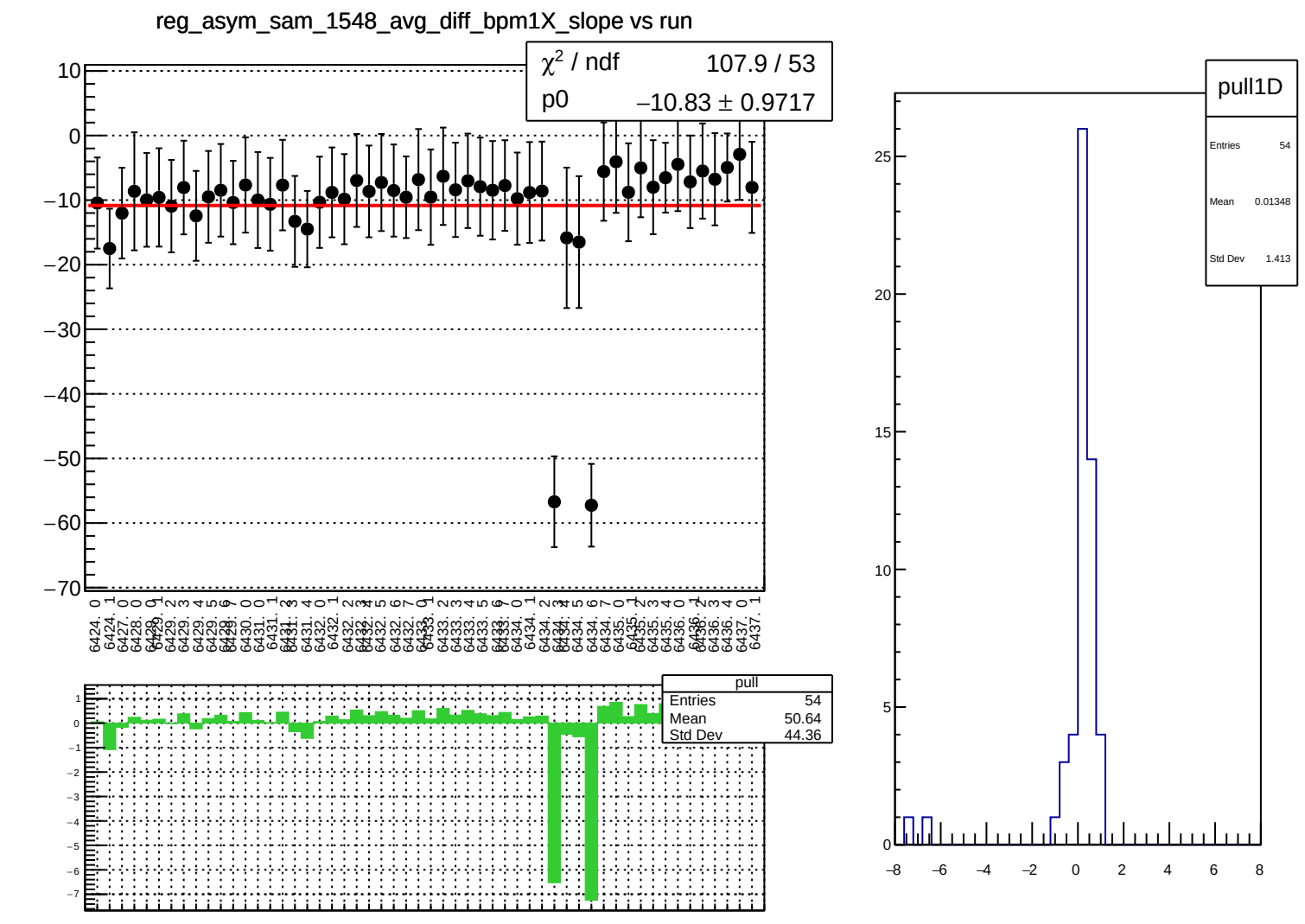

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 147.1 / 53
p0 4.764 ± 0.6326
pull
Entries 54
Mean 3.746
Std Dev 0
pull1D
Entries 54
Mean 0.08176
Std Dev 1.14

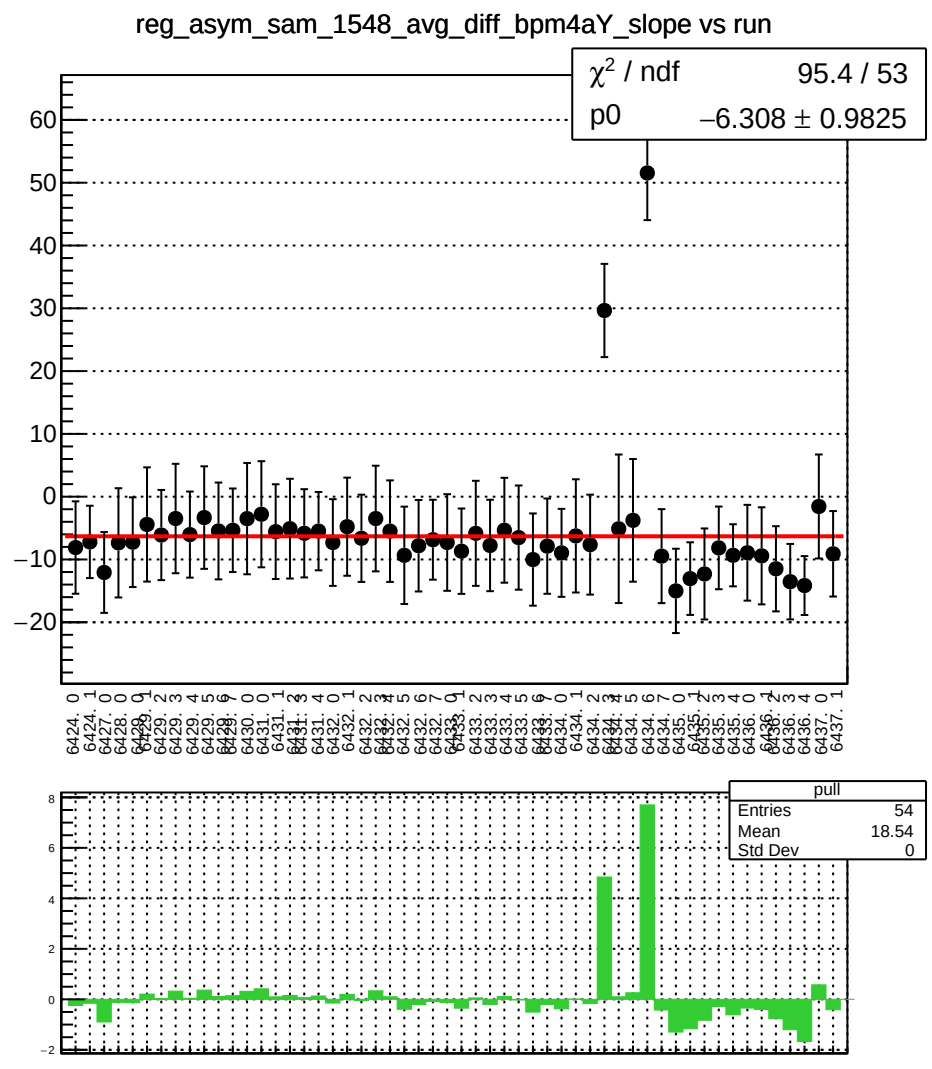

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.71 / 53
p0 14.39 ± 0.6531
pull
Entries 54
Mean 98.18
Std Dev 0
pull1D
Entries 54
Mean 0.05102
Std Dev 1.251

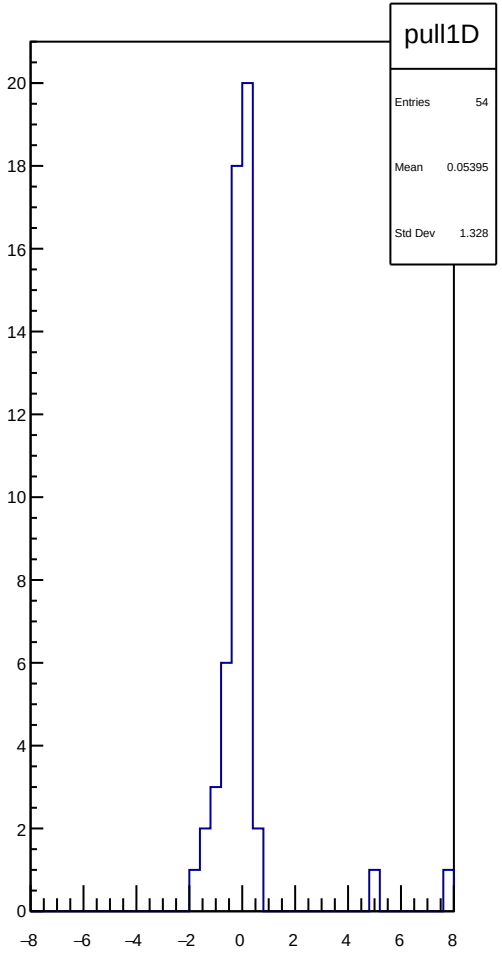

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.6 / 53
p0 −96.01 ± 0.6444
pull
Entries 54
Mean −1743
Std Dev 0
pull1D
Entries 54
Mean 0.00184
Std Dev 1.425

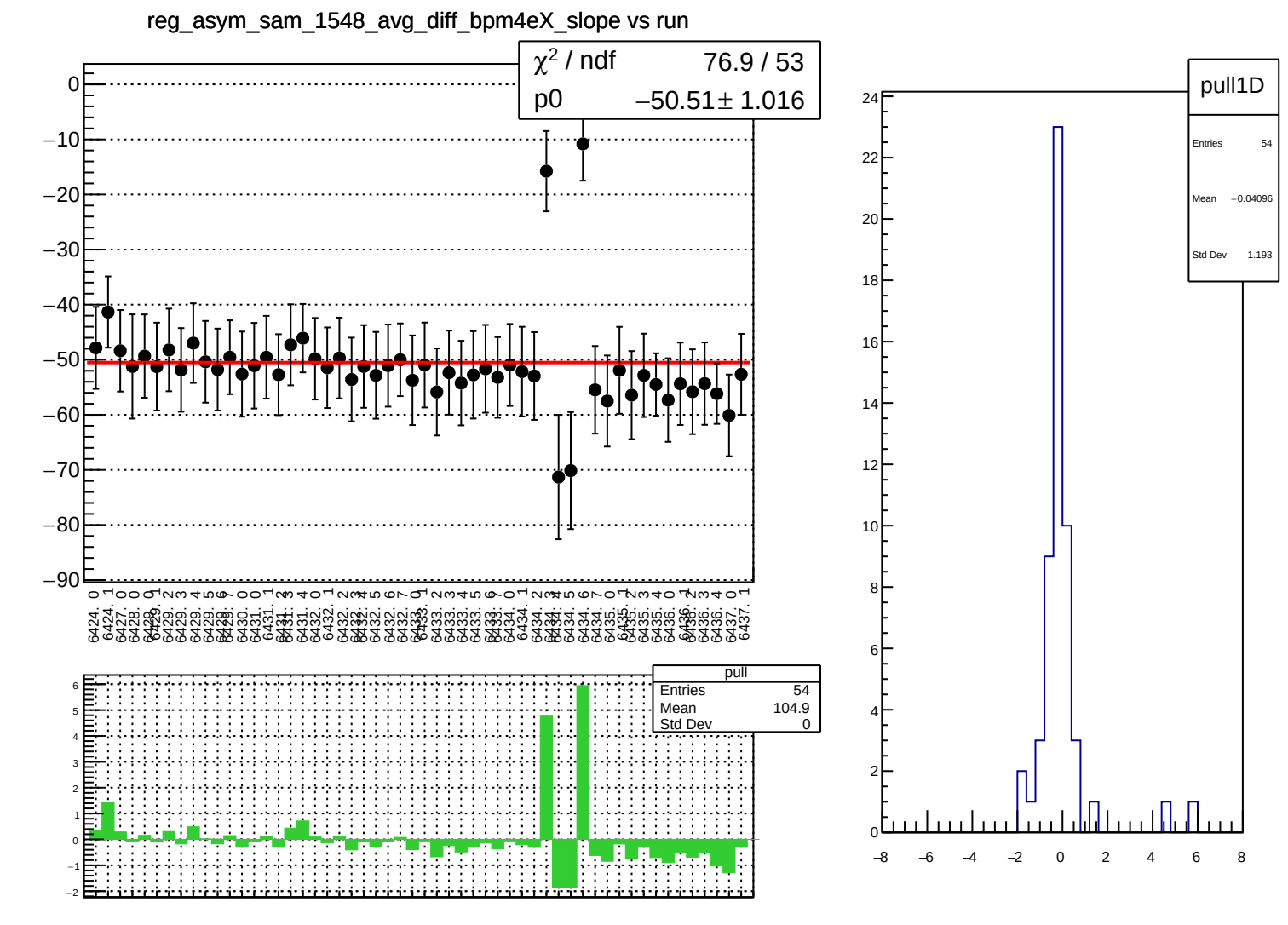

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.23 / 53
p0 0.09931± 0.02541
pull
Entries 54
Mean −418.3
Std Dev 0

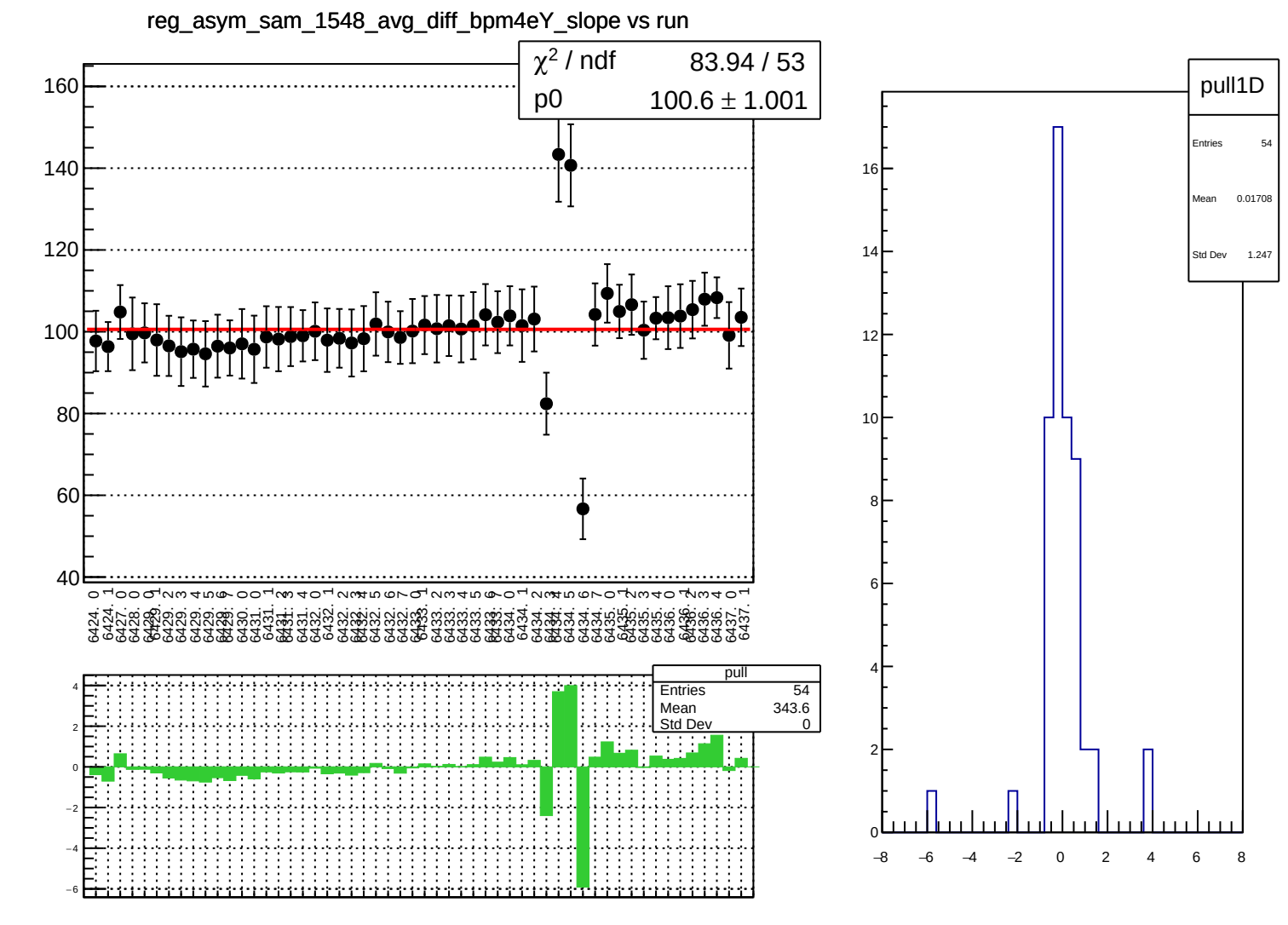

pull1D
Entries 54
Mean 0.007377
Std Dev 0.3903

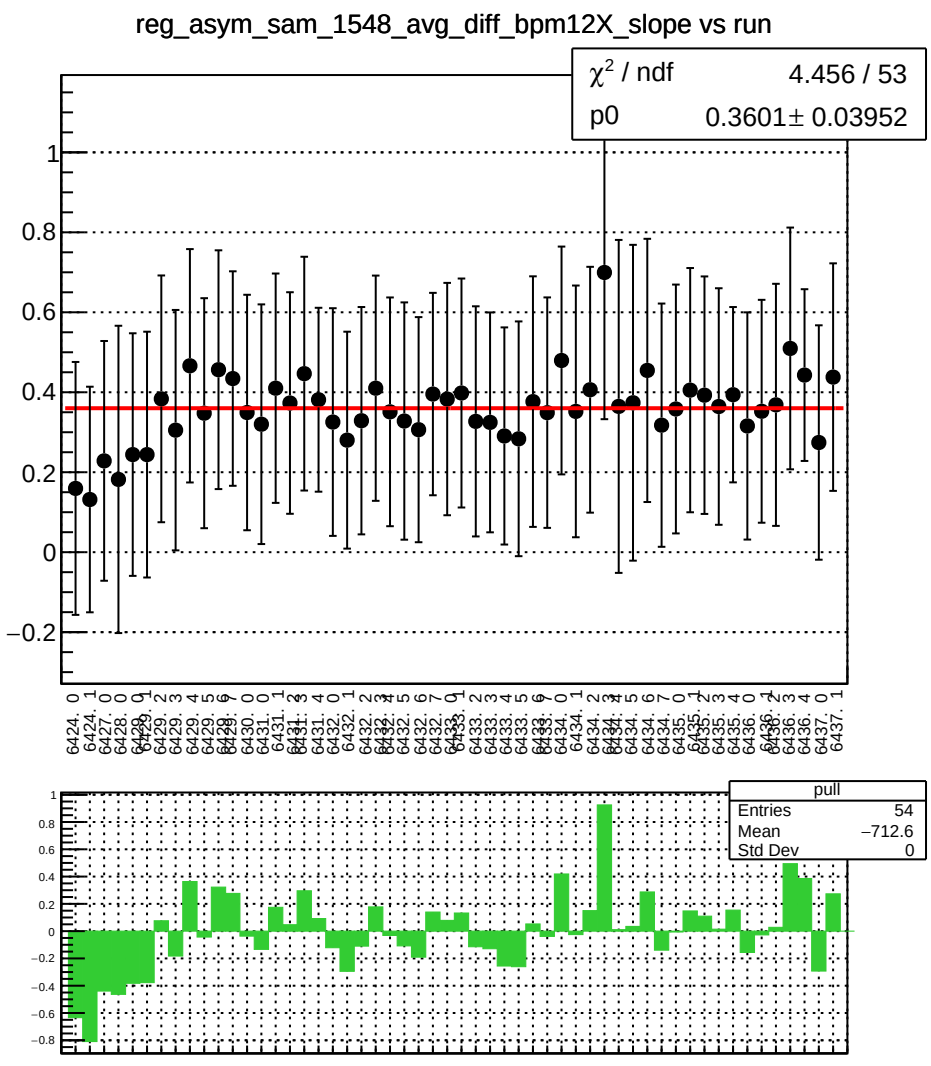

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 107.9 / 53
p0 −10.83 ± 0.9717
pull
Entries 54
Mean 50.64
Std Dev 44.36
pull1D
Entries 54
Mean 0.01348
Std Dev 1.413

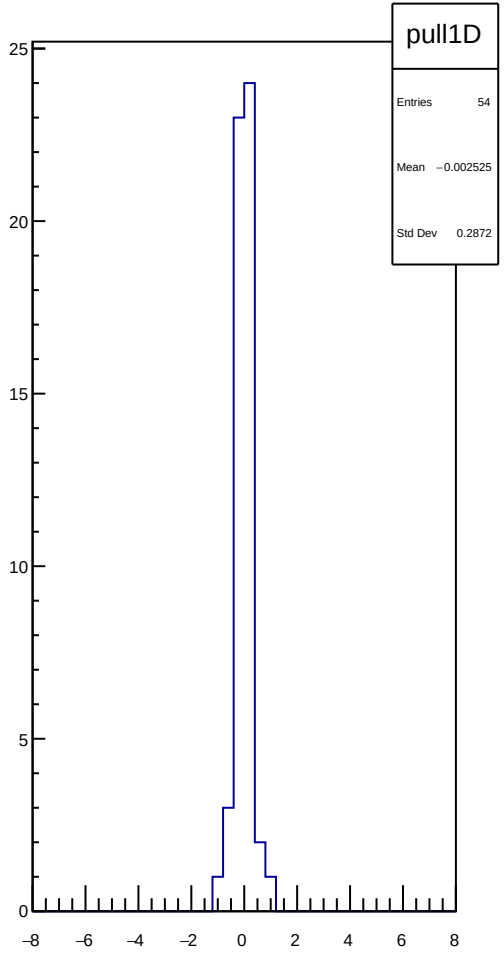

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 95.4 / 53
p0 −6.308 ± 0.9825
pull
Entries 54
Mean 18.54
Std Dev 0

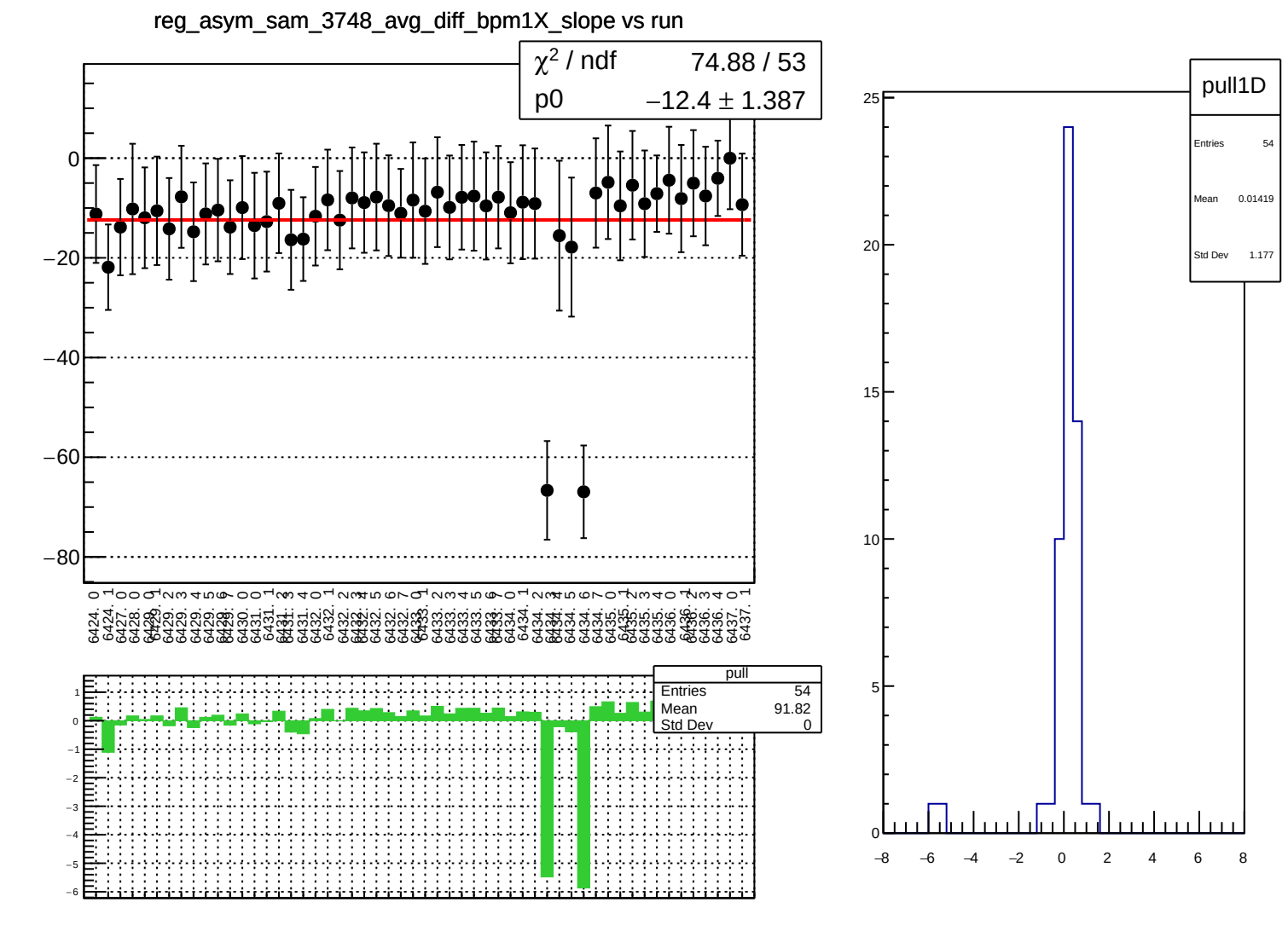

pull1D
Entries 54
Mean 0.05395
Std Dev 1.328

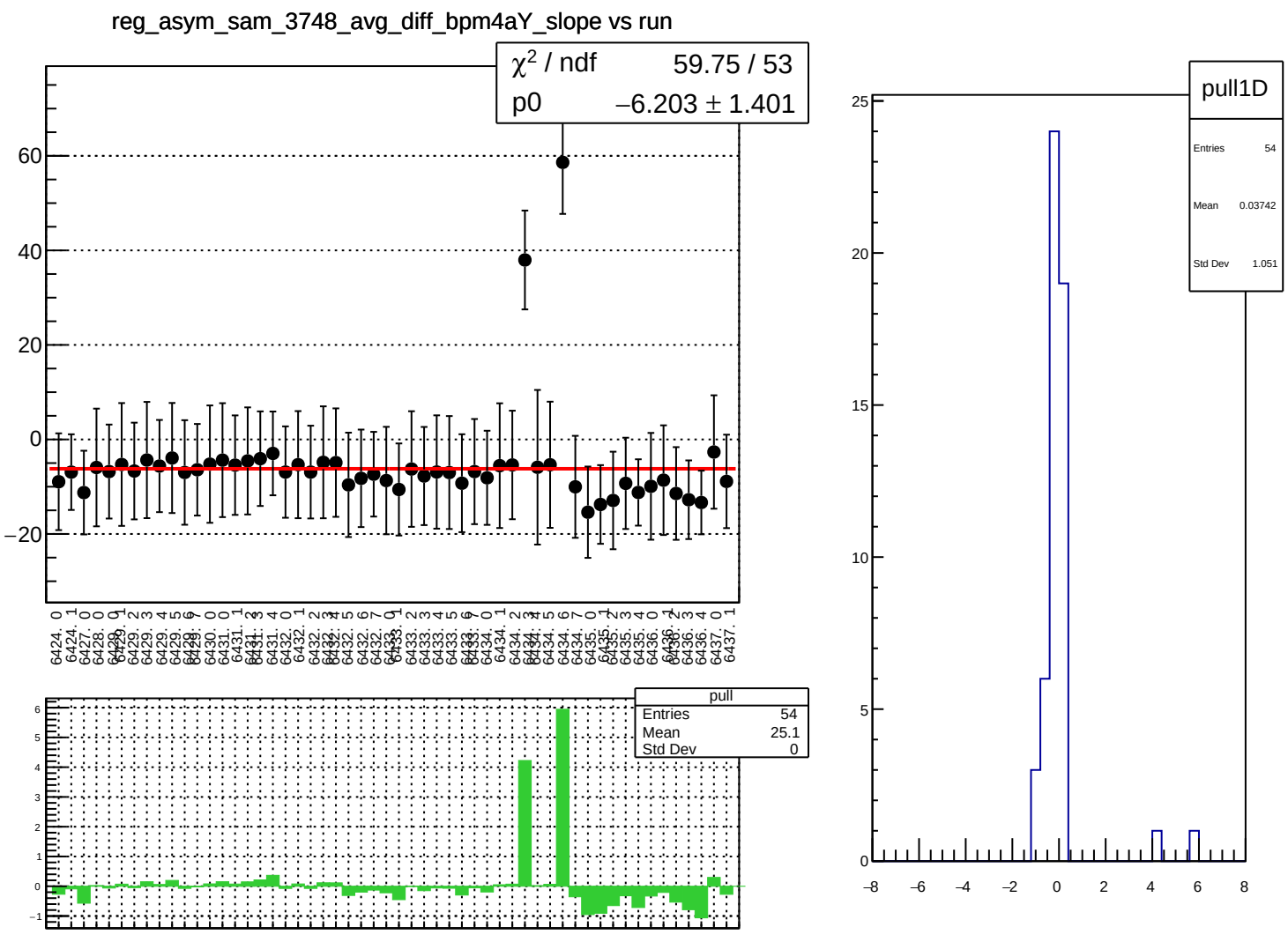

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.9 / 53
p0 −50.51 ± 1.016
pull
Entries 54
Mean 104.9
Std Dev 0
pull1D
Entries 54
Mean −0.04096
Std Dev 1.193

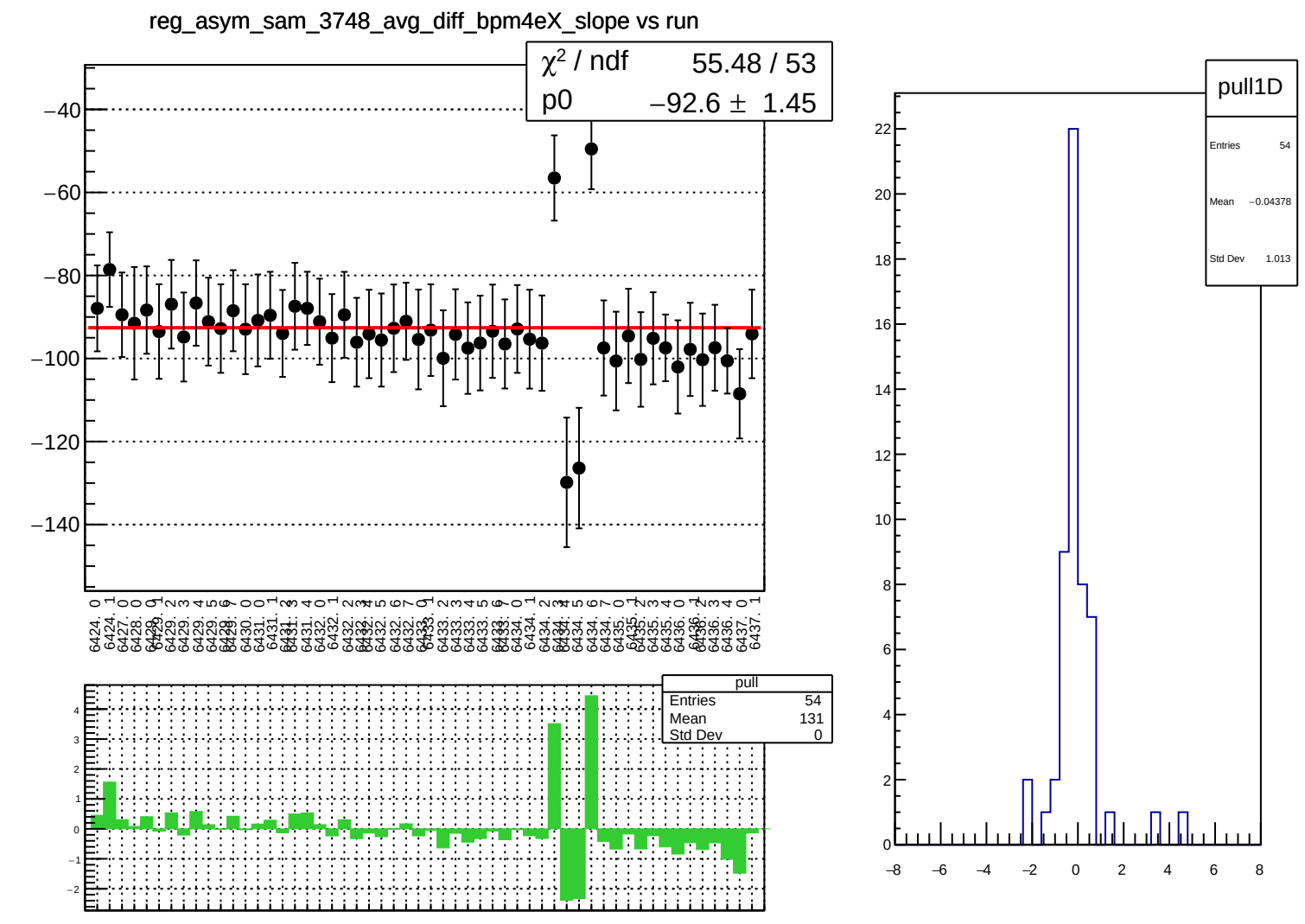

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 83.94 / 53
p0 100.6 ± 1.001
160
140
120
100
80
60
40
6424. 0
6424. 1
6427. 0
6428. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 2
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 343.6
Std Dev 0
4
2
0
−2
−4
−6
pull1D
Entries 54
Mean 0.01708
Std Dev 1.247
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

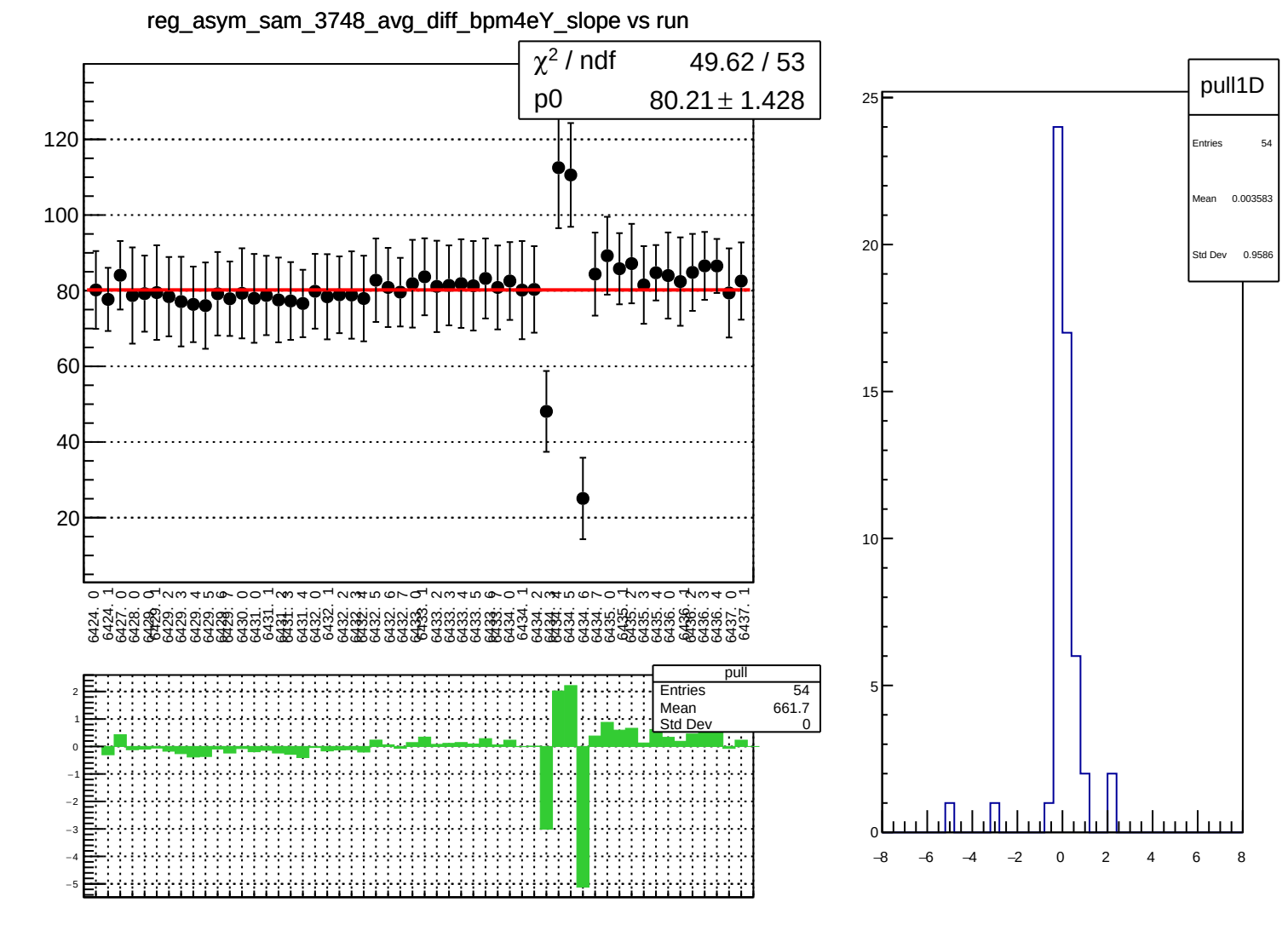

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.456 / 53
p0 0.3601± 0.03952
pull
Entries 54
Mean −712.6
Std Dev 0

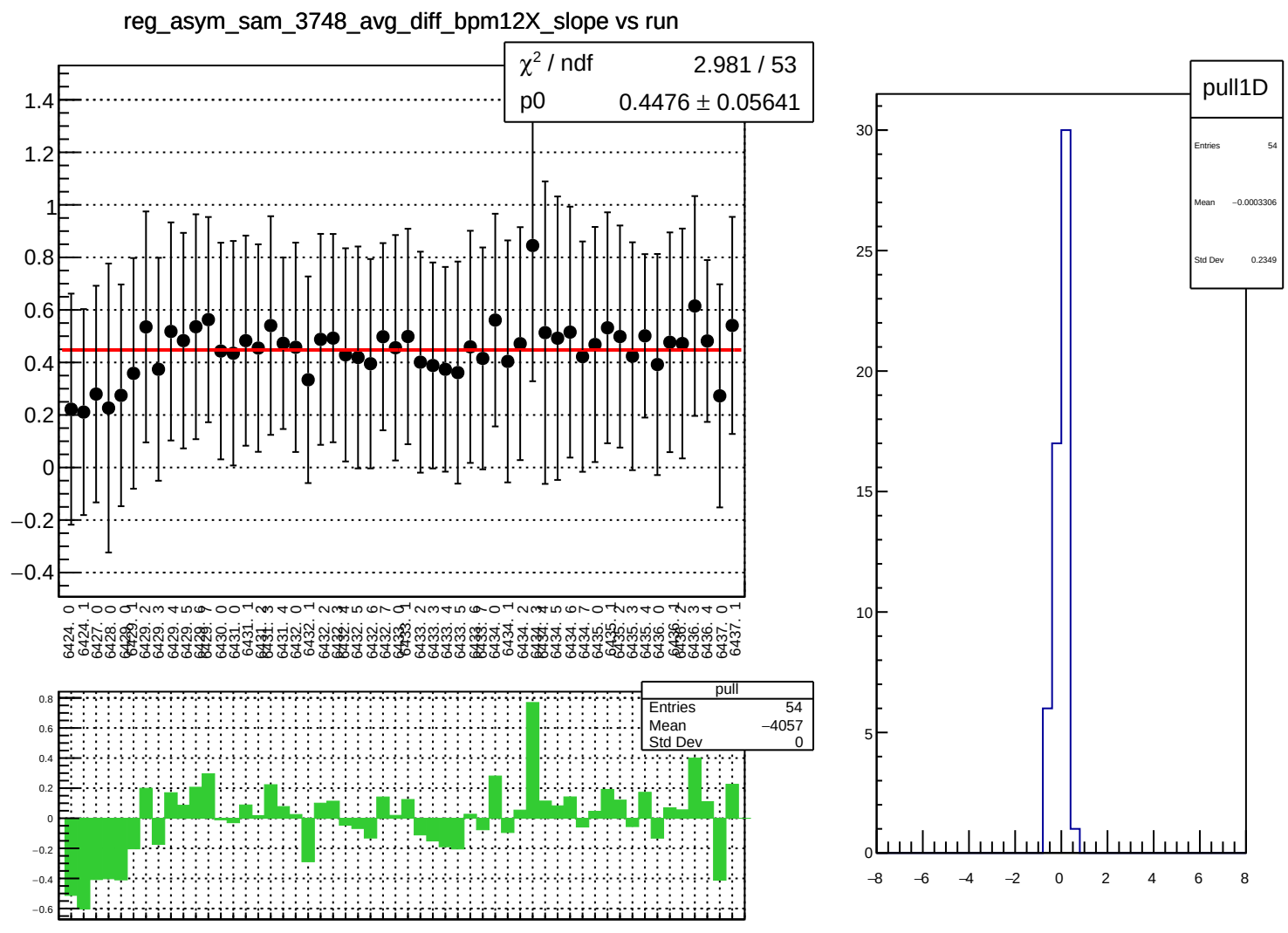

pull1D
Entries 54
Mean −0.002525
Std Dev 0.2872

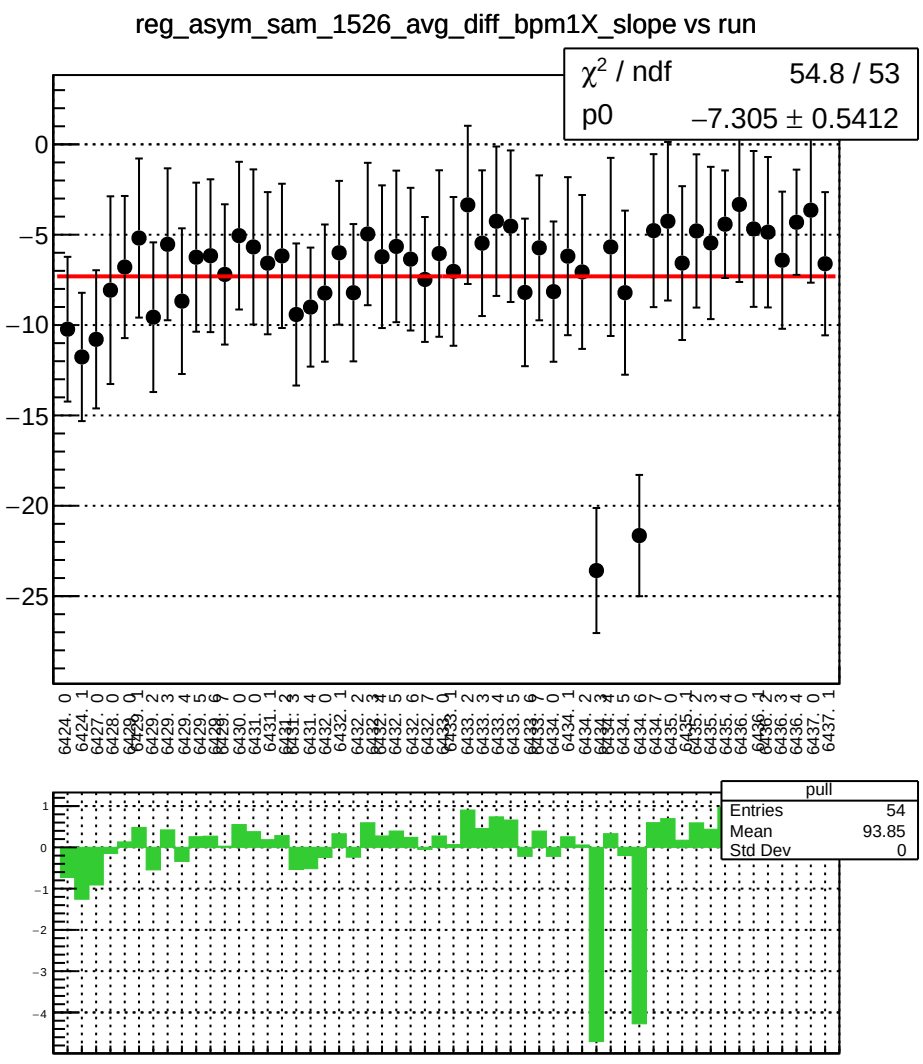

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 74.88 / 53
p0 −12.4 ± 1.387
pull
Entries 54
Mean 91.82
Std Dev 0
pull1D
Entries 54
Mean 0.01419
Std Dev 1.177

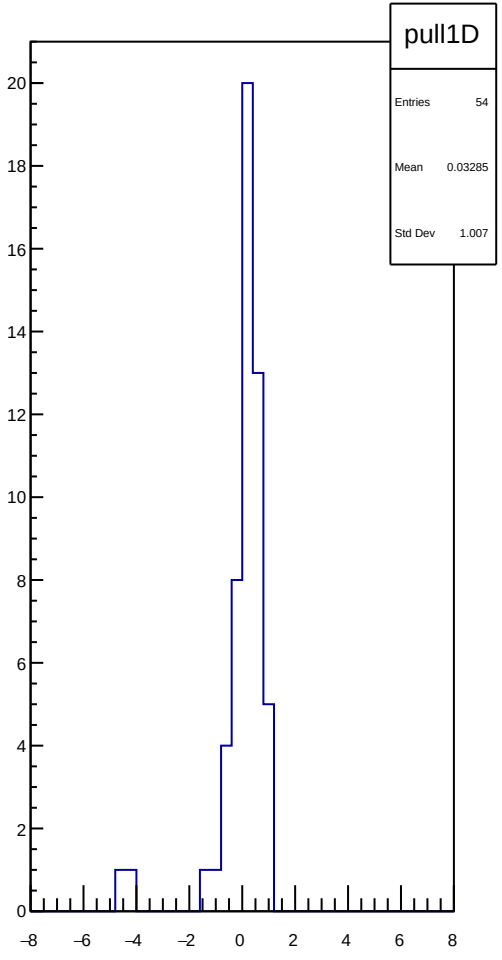

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.75 / 53
p0 −6.203 ± 1.401
pull
Entries 54
Mean 25.1
Std Dev 0
pull1D
Entries 54
Mean 0.03742
Std Dev 1.051

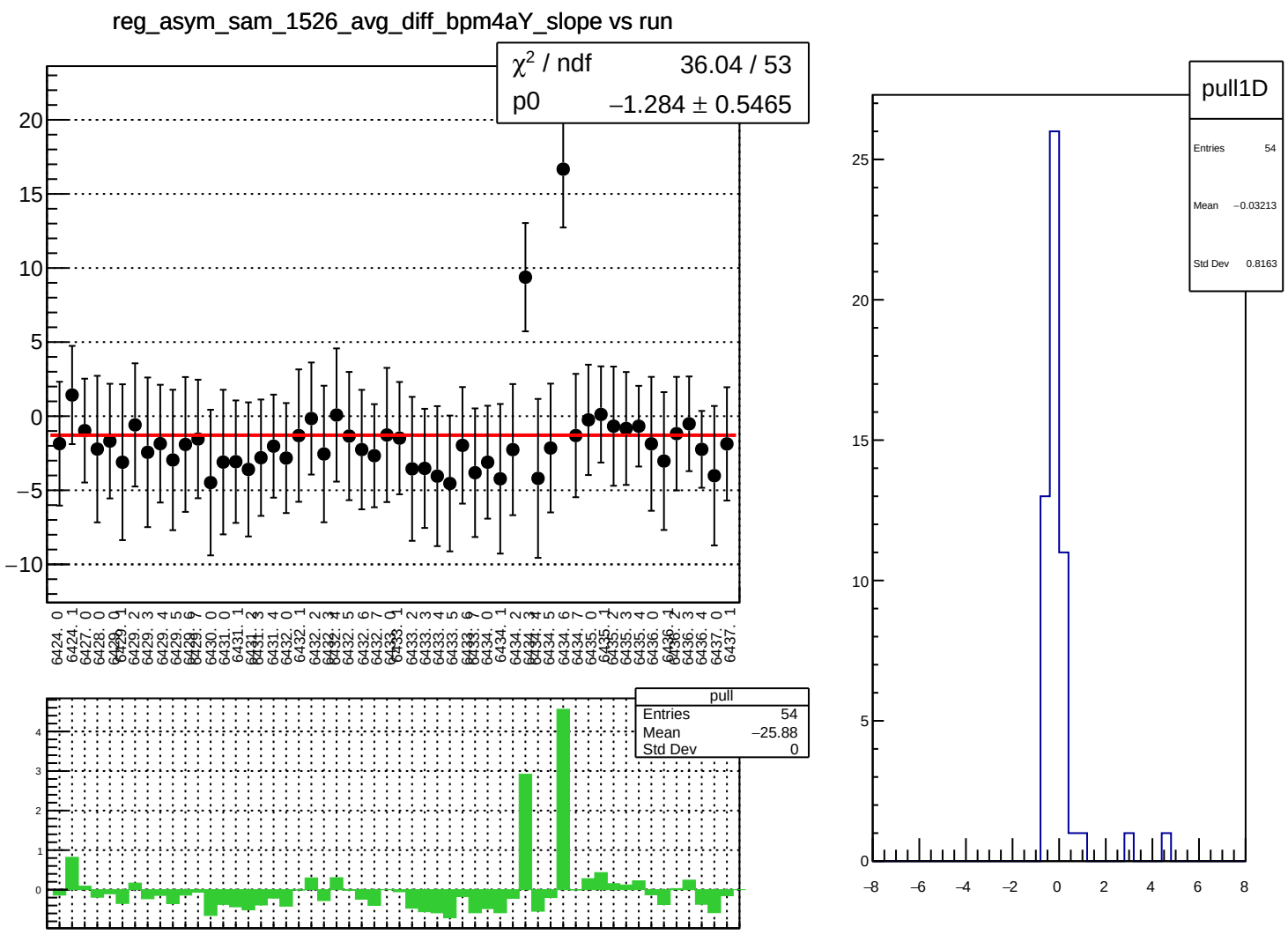

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.48 / 53
p0 −92.6 ± 1.45
pull
Entries 54
Mean 131
Std Dev 0
pull1D
Entries 54
Mean −0.04378
Std Dev 1.013

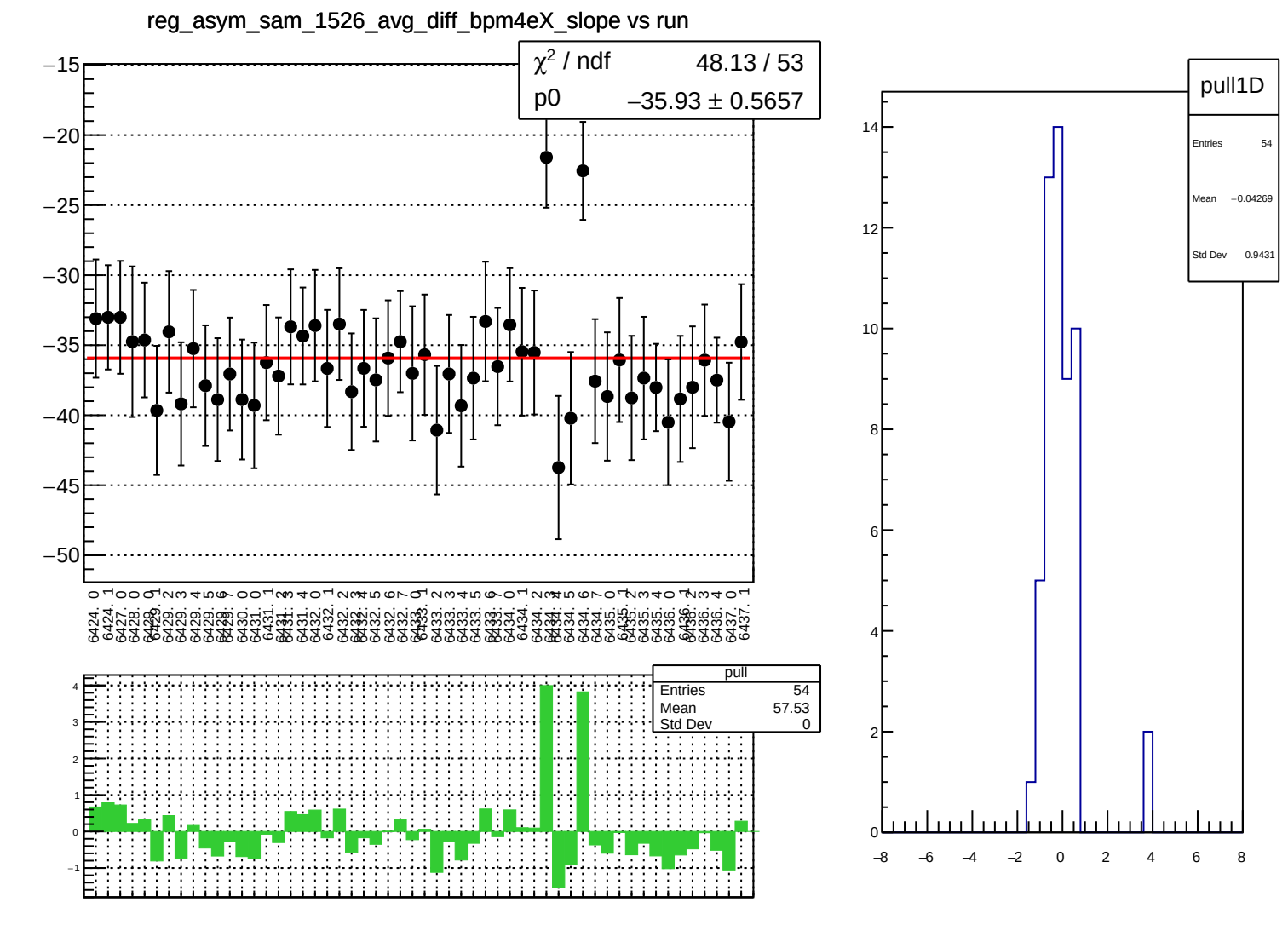

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.62 / 53
p0 80.21 ± 1.428
pull
Entries 54
Mean 661.7
Std Dev 0
pull1D
Entries 54
Mean 0.003583
Std Dev 0.9586

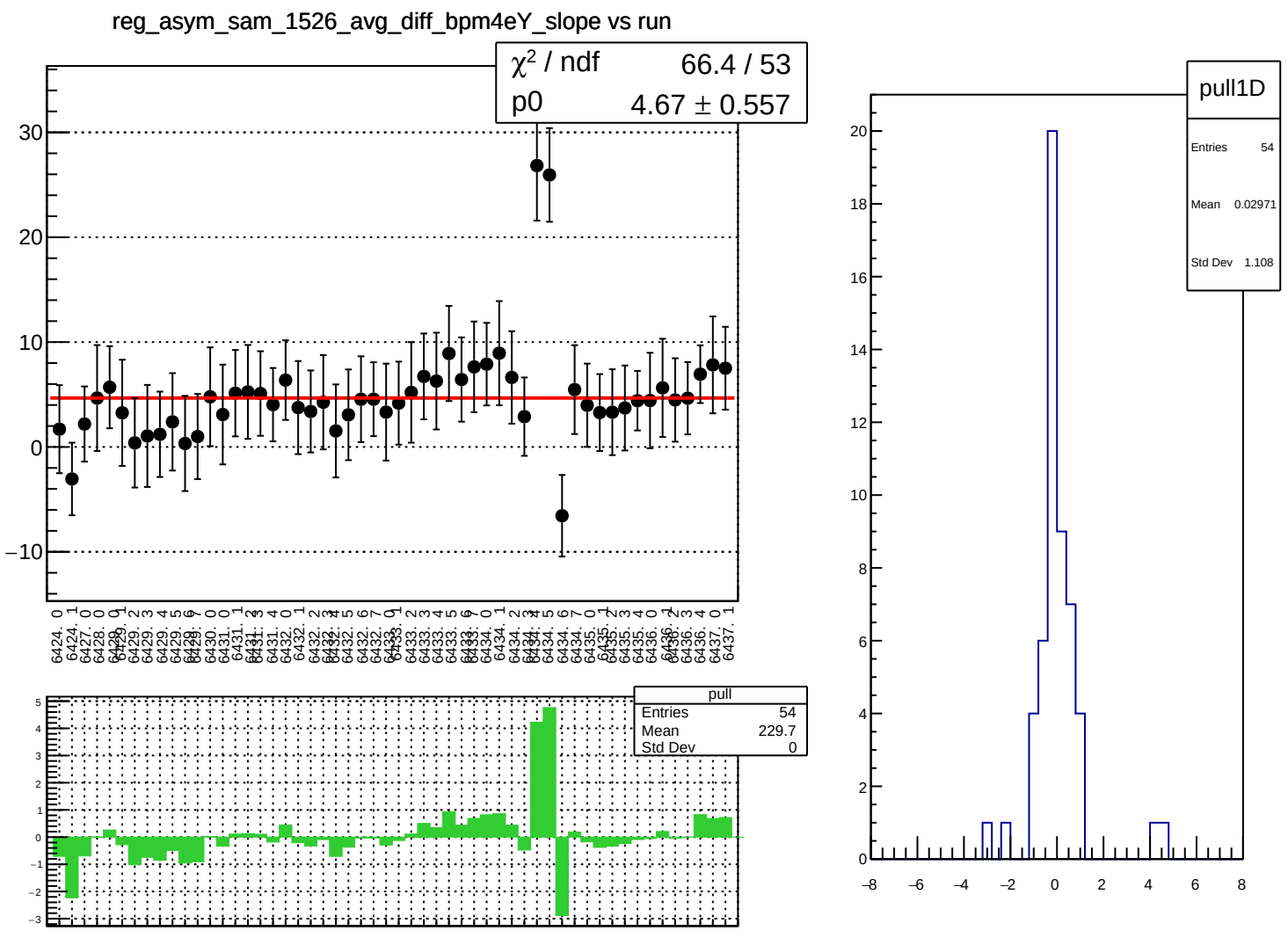

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.981 / 53
p0 0.4476 ± 0.05641
pull
Entries 54
Mean −4057
Std Dev 0
pull1D
Entries 54
Mean −0.0003306
Std Dev 0.2349

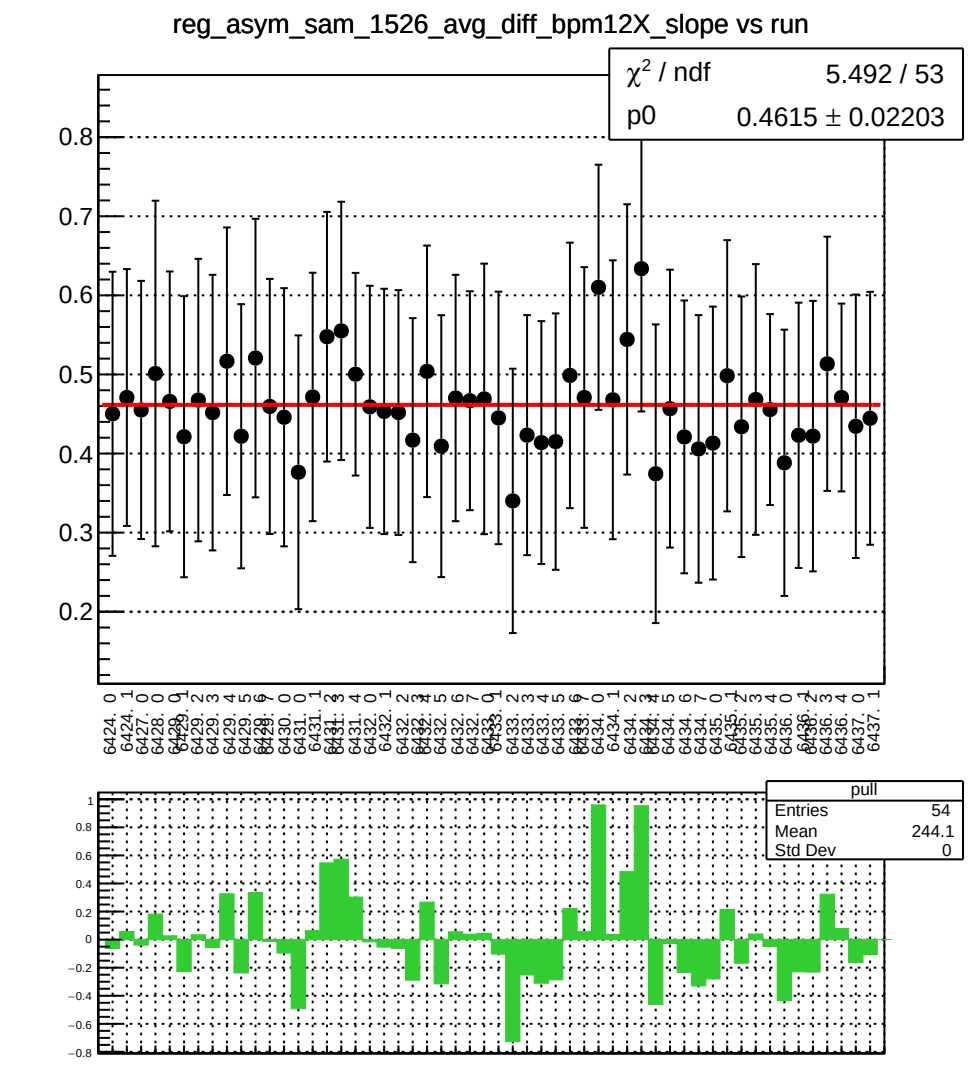

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 54.8 / 53
p0 −7.305 ± 0.5412
pull
Entries 54
Mean 93.85
Std Dev 0

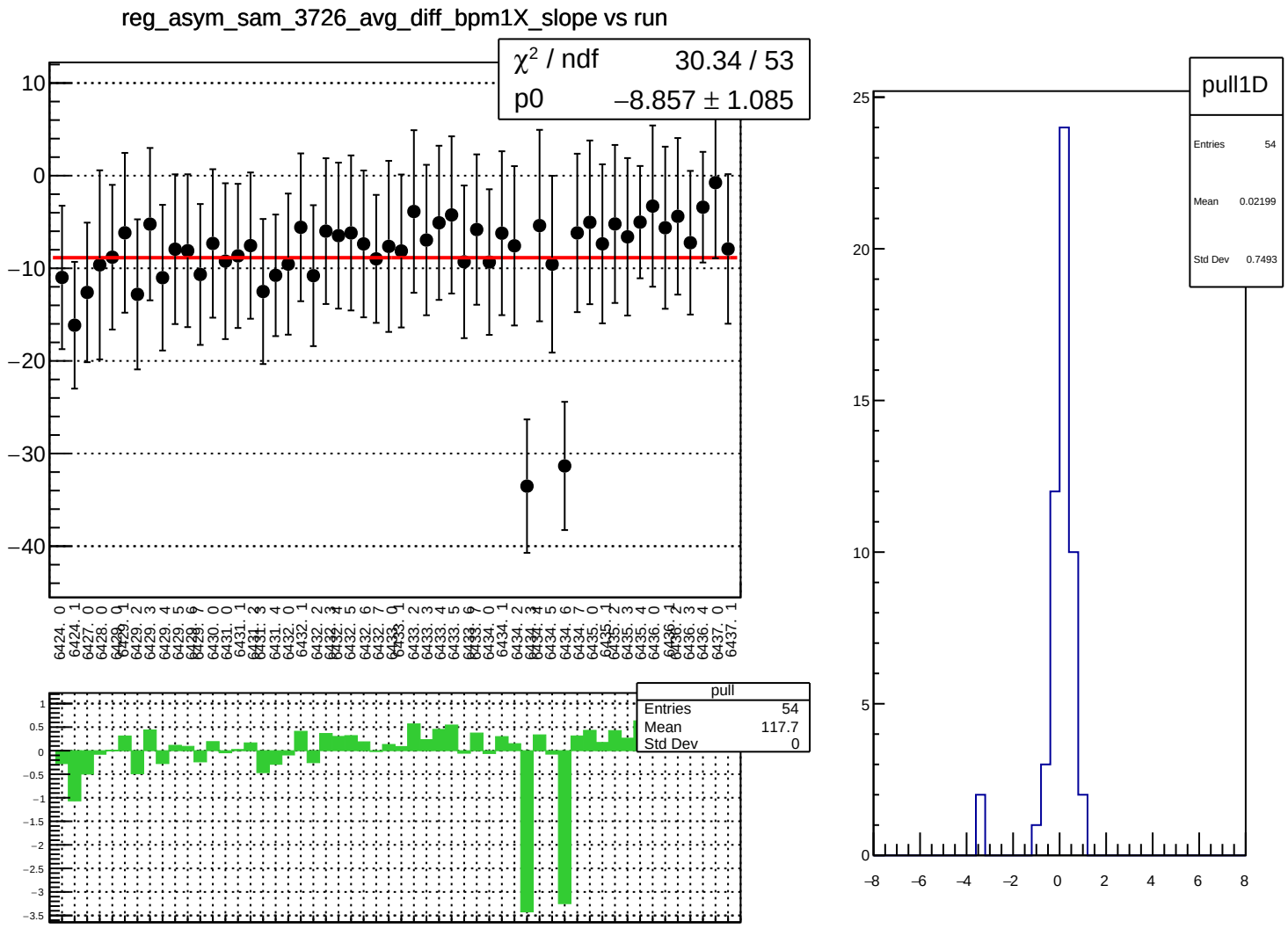

pull1D
Entries 54
Mean 0.03285
Std Dev 1.007

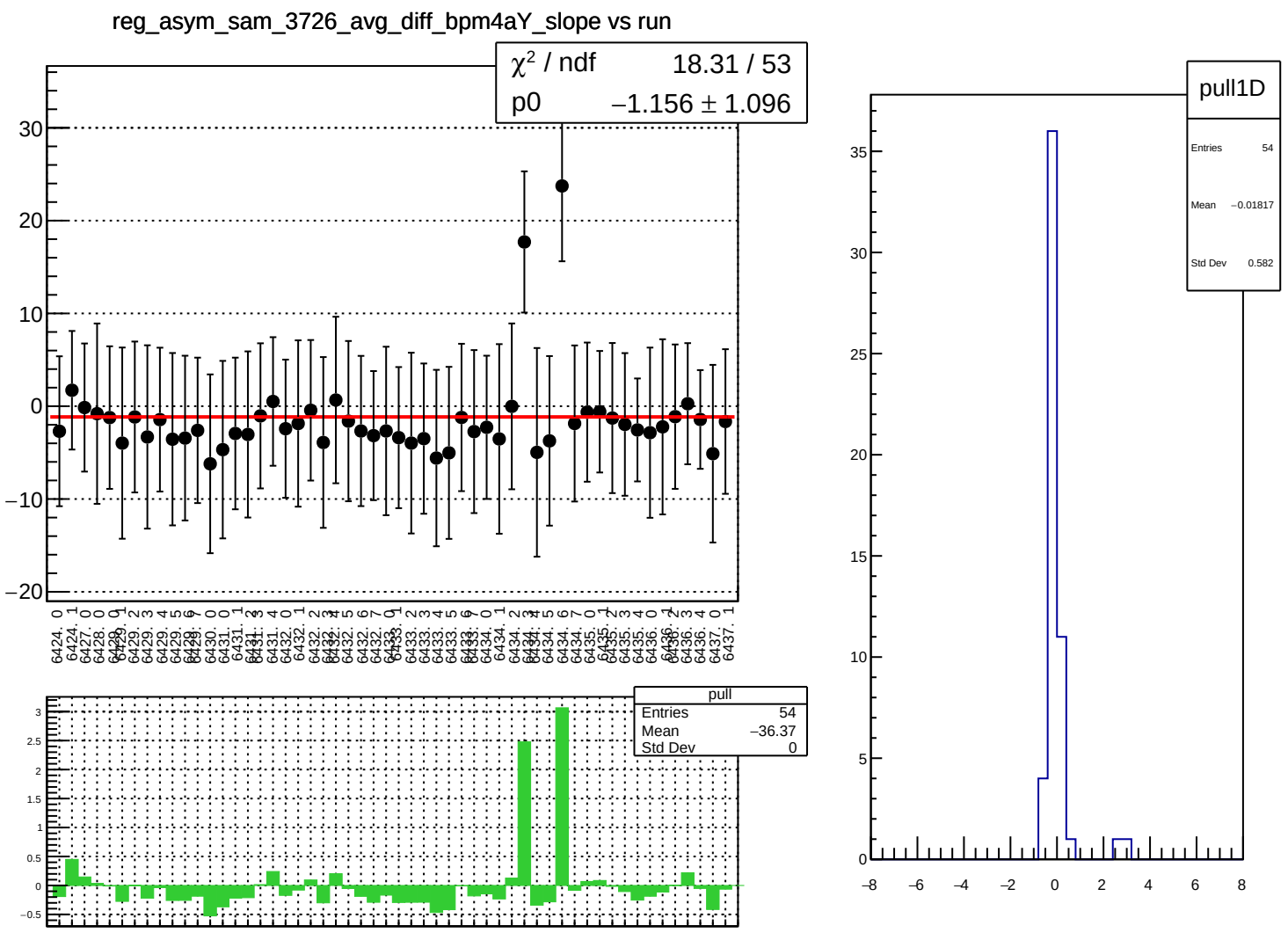

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.04 / 53
p0 −1.284 ± 0.5465
pull
Entries 54
Mean −25.88
Std Dev 0
pull1D
Entries 54
Mean −0.03213
Std Dev 0.8163

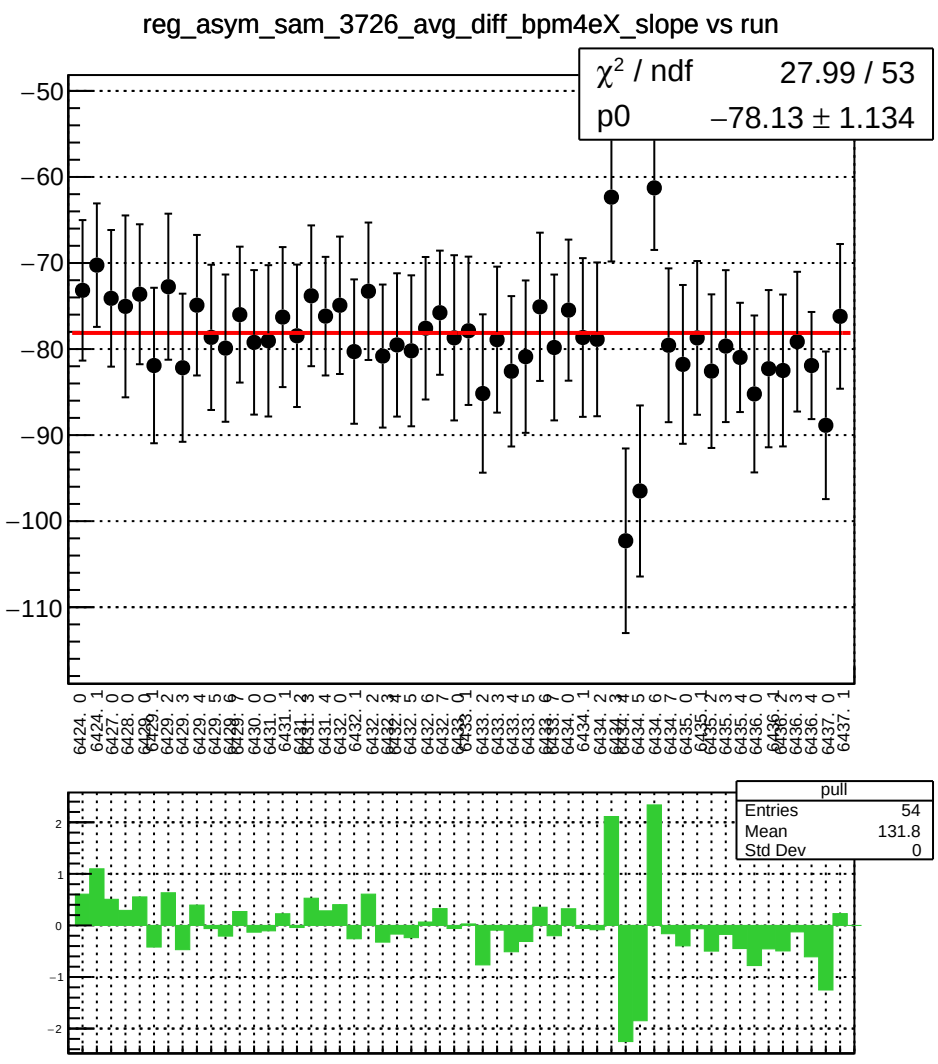

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.13 / 53
p0 −35.93 ± 0.5657
pull
Entries 54
Mean 57.53
Std Dev 0
pull1D
Entries 54
Mean −0.04269
Std Dev 0.9431

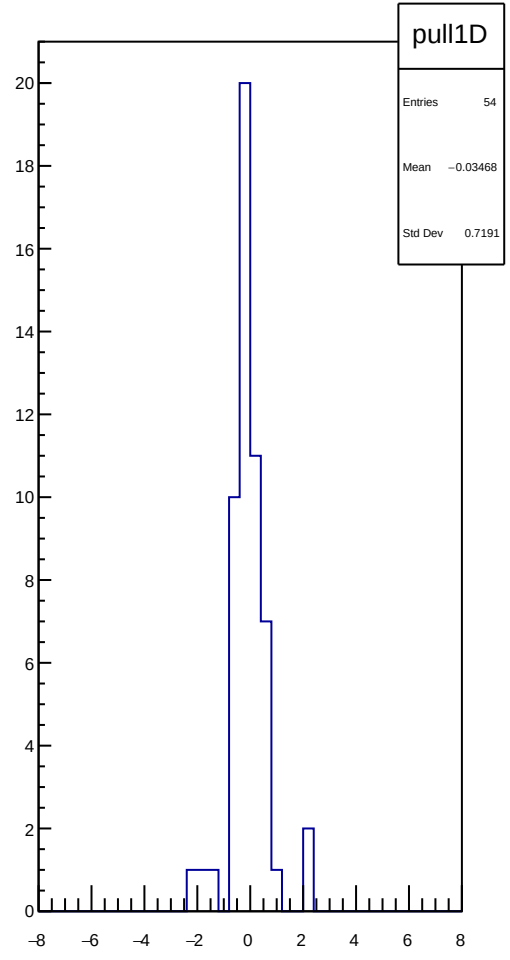

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.4 / 53
p0 4.67 ± 0.557
pull
Entries 54
Mean 229.7
Std Dev 0
pull1D
Entries 54
Mean 0.02971
Std Dev 1.108

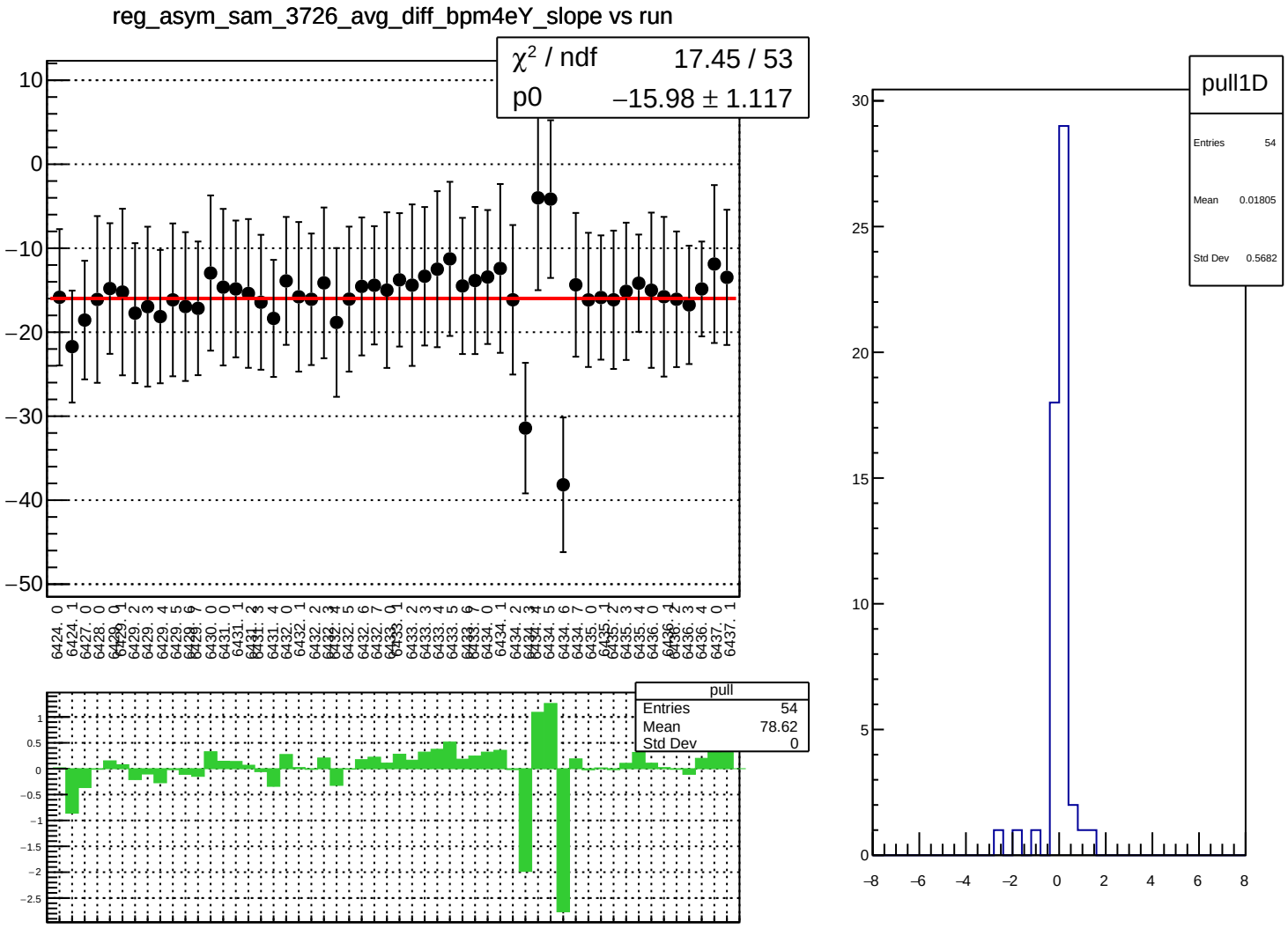

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.492 / 53
p0 0.4615 ± 0.02203
pull
Entries 54
Mean 244.1
Std Dev 0
pull1D
Entries 54
Mean −0.002205
Std Dev 0.3189

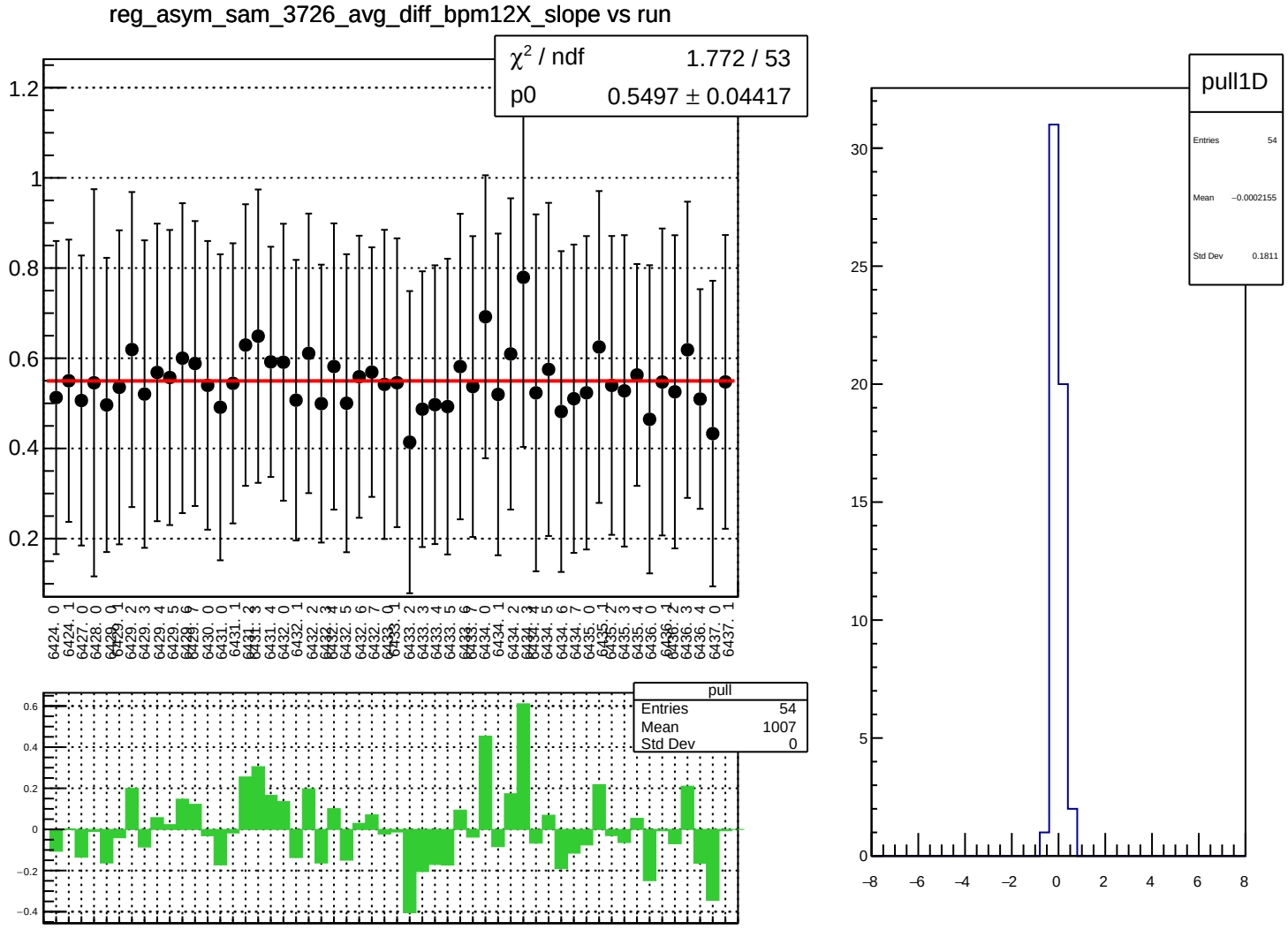

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 30.34 / 53
p0 −8.857 ± 1.085
pull
Entries 54
Mean 117.7
Std Dev 0
pull1D
Entries 54
Mean 0.02199
Std Dev 0.7493

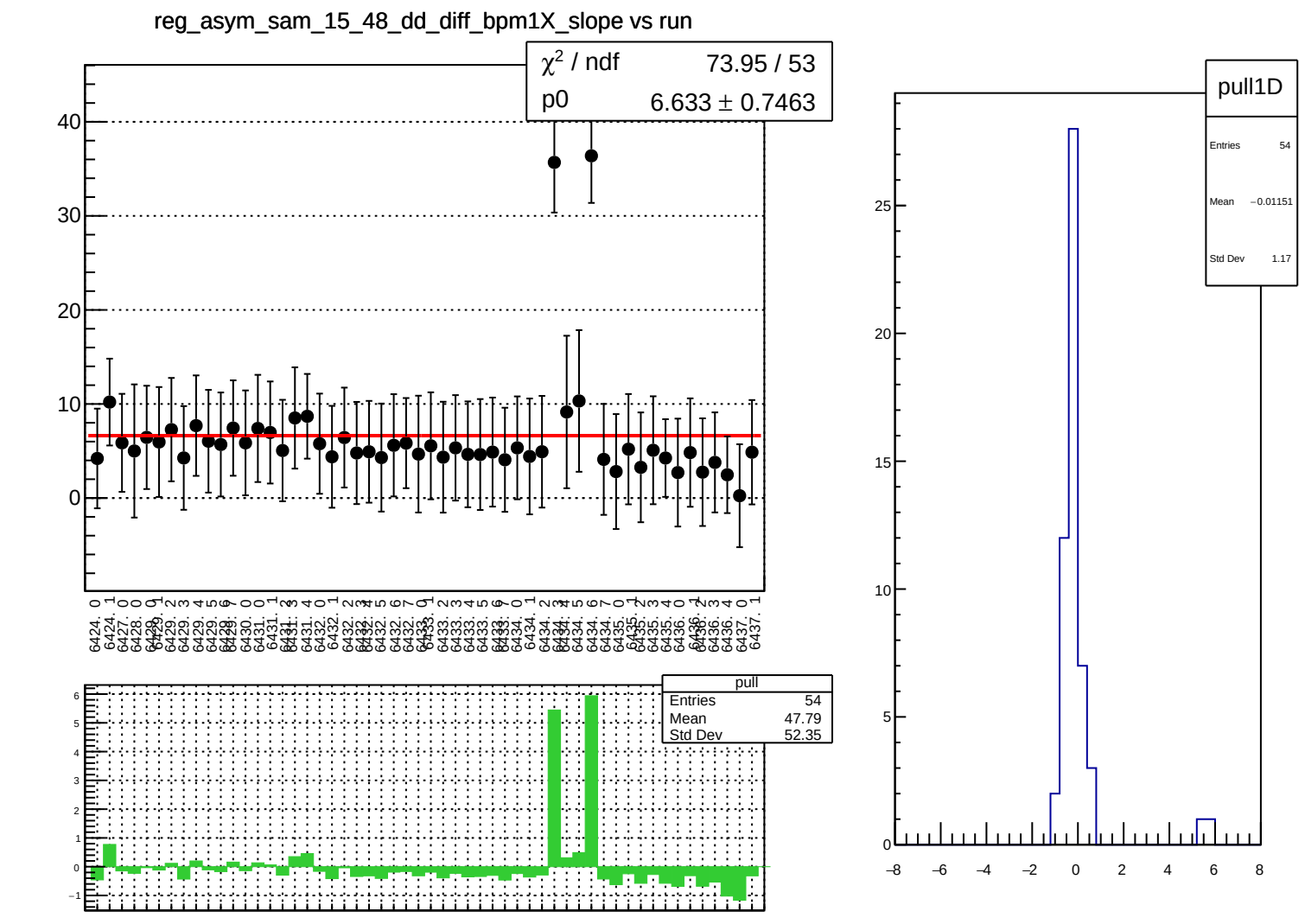

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.31 / 53
p0 −1.156 ± 1.096
pull
Entries 54
Mean −36.37
Std Dev 0
pull1D
Entries 54
Mean −0.01817
Std Dev 0.582

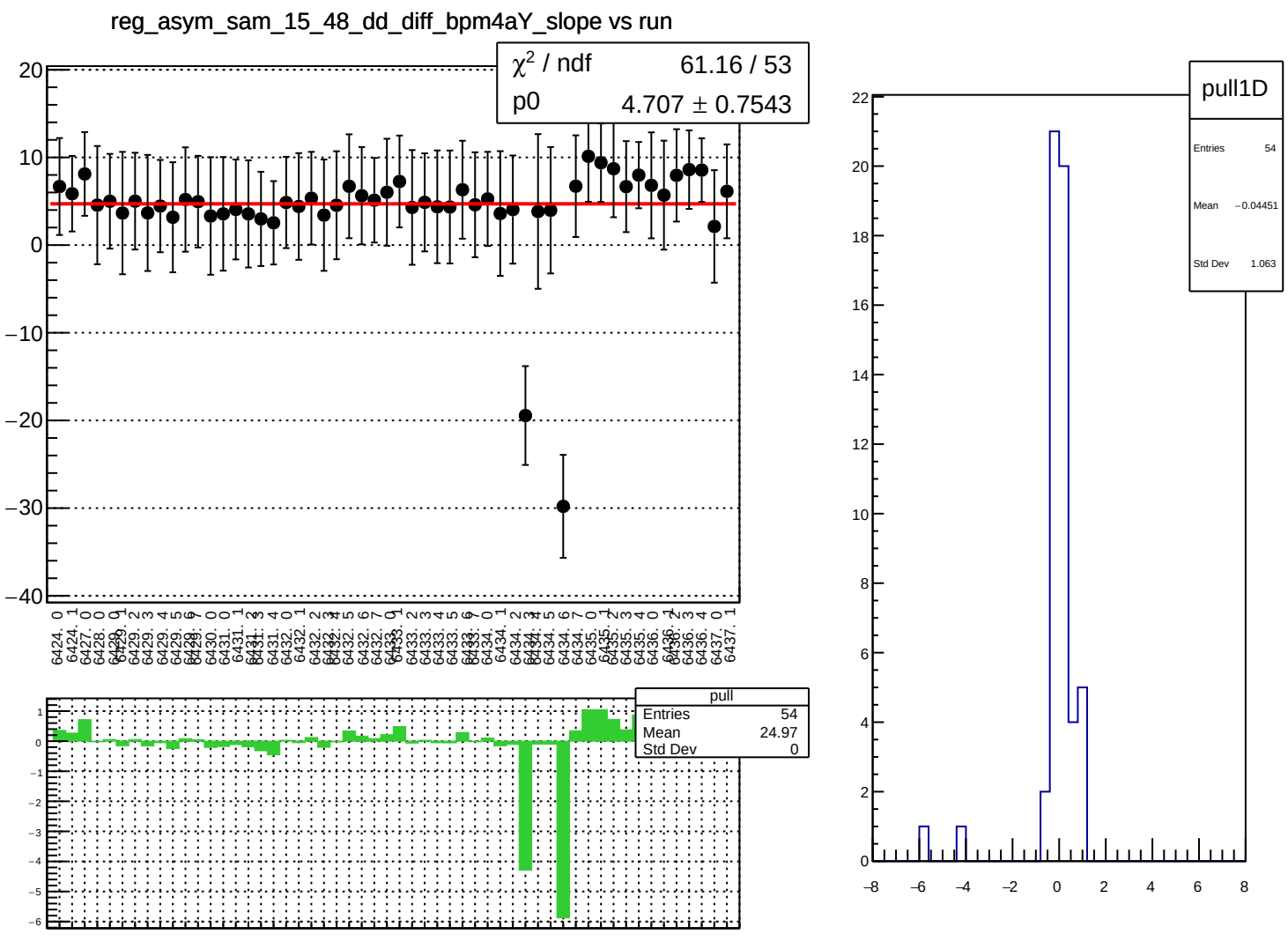

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.99 / 53
p0 −78.13 ± 1.134
pull
Entries 54
Mean 131.8
Std Dev 0

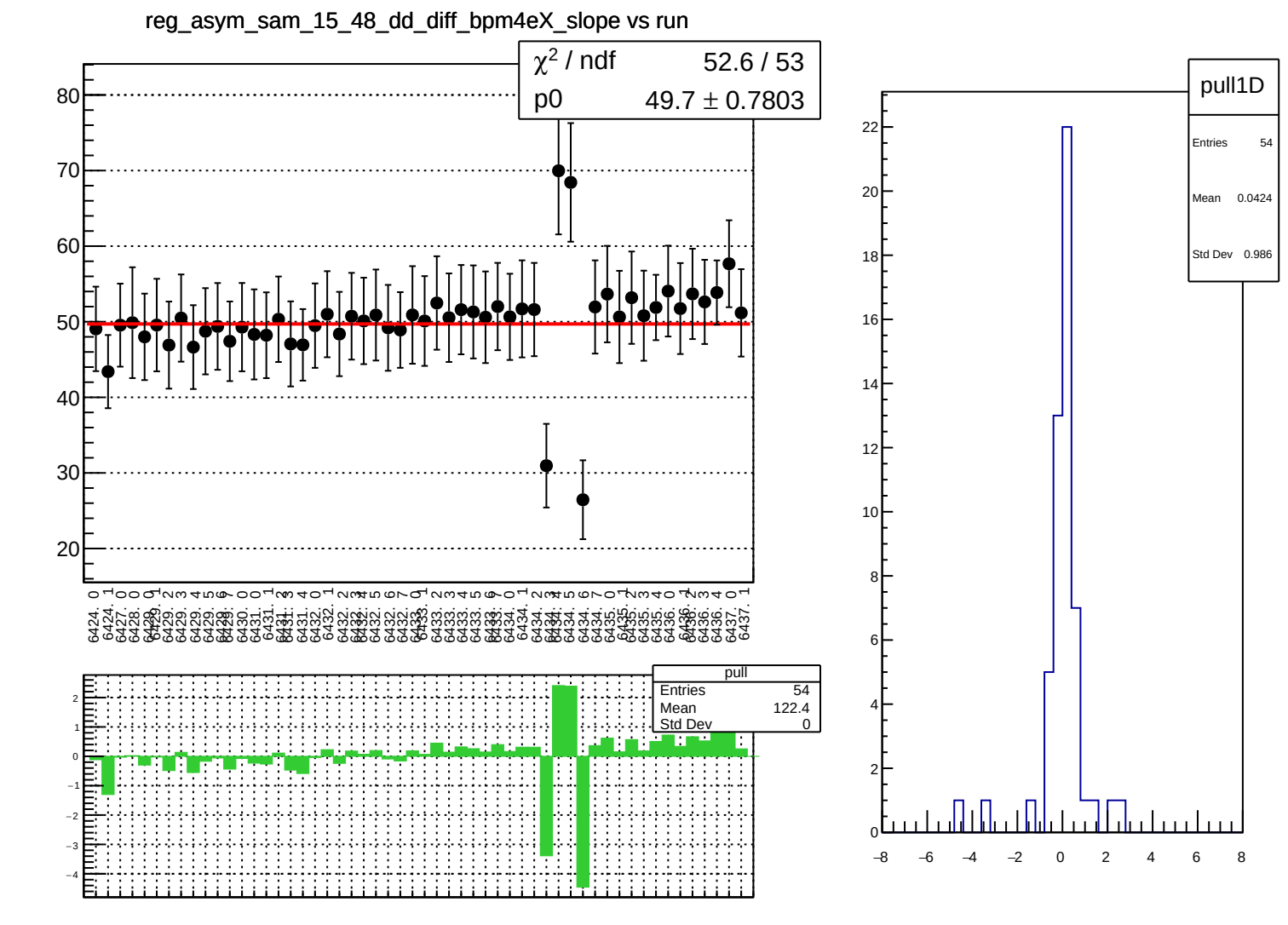

pull1D
Entries 54
Mean −0.03468
Std Dev 0.7191

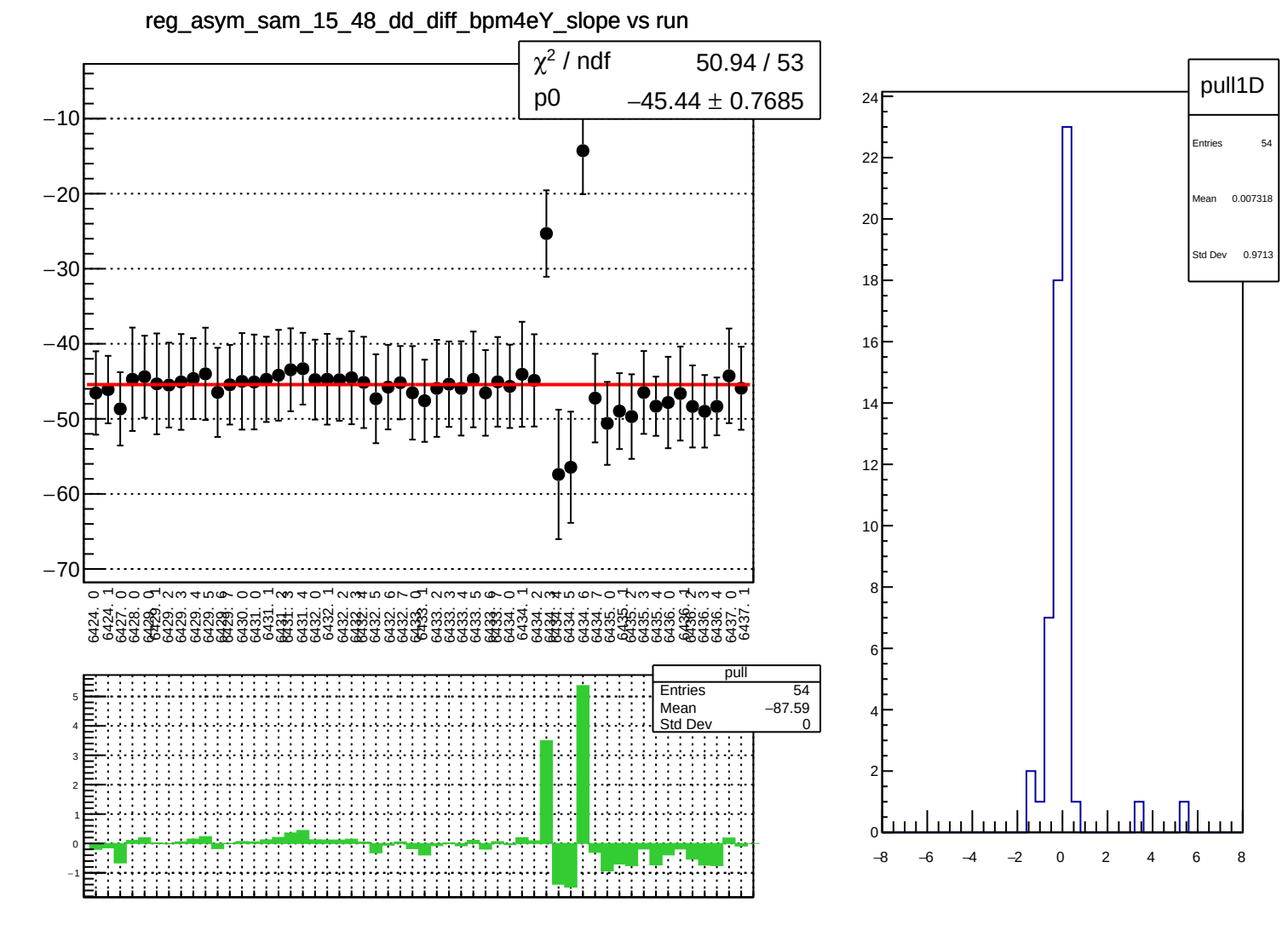

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.45 / 53
p0 −15.98 ± 1.117
pull
Entries 54
Mean 78.62
Std Dev 0
pull1D
Entries 54
Mean 0.01805
Std Dev 0.5682

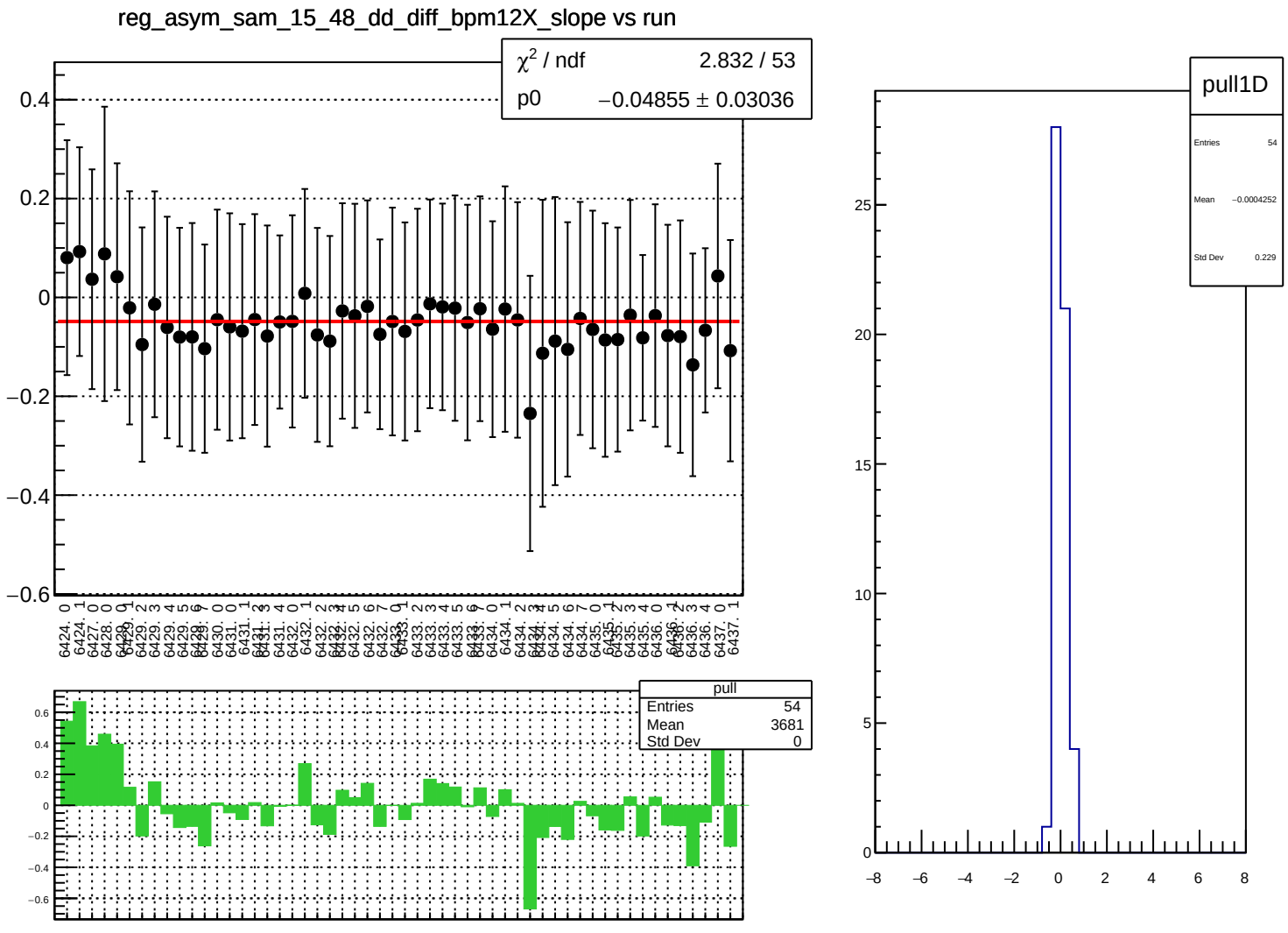

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.772 / 53
p0 0.5497 ± 0.04417
pull
Entries 54
Mean 1007
Std Dev 0
pull1D
Entries 54
Mean −0.0002155
Std Dev 0.1811

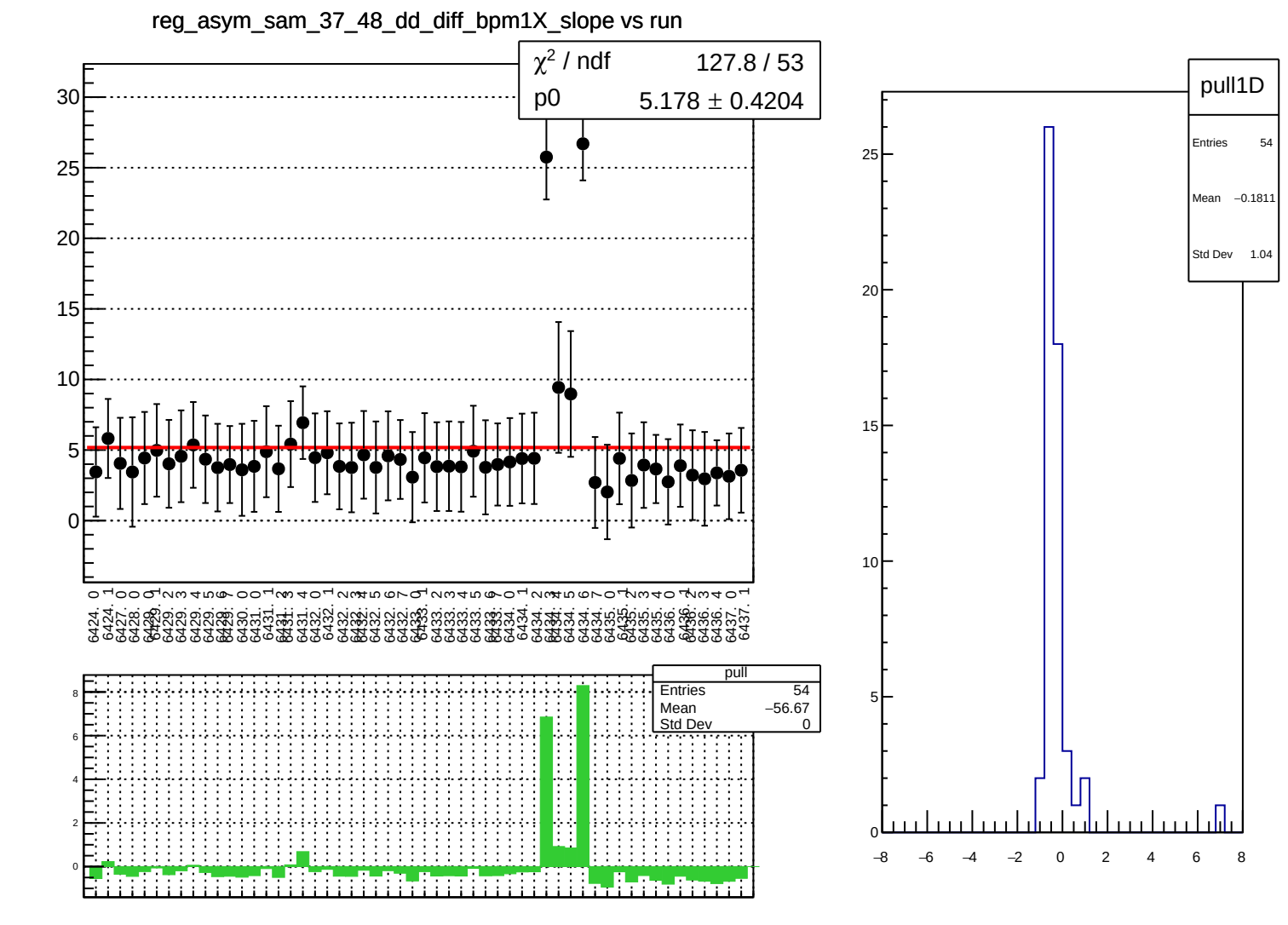

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 73.95 / 53
p0 6.633 ± 0.7463
pull
Entries 54
Mean 47.79
Std Dev 52.35
pull1D
Entries 54
Mean −0.01151
Std Dev 1.17

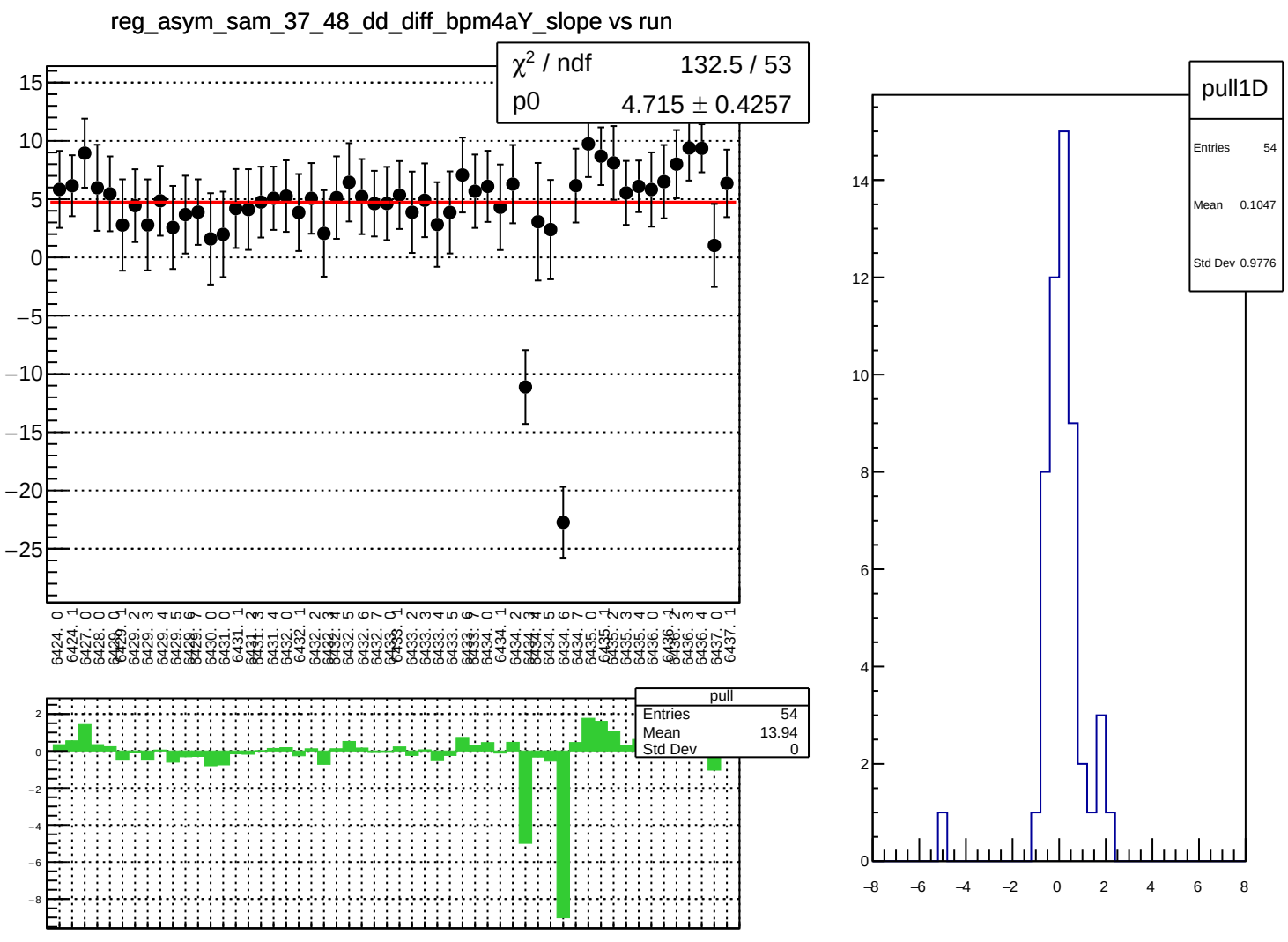

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.16 / 53
p0 4.707 ± 0.7543
pull
Entries 54
Mean 24.97
Std Dev 0
pull1D
Entries 54
Mean −0.04451
Std Dev 1.063

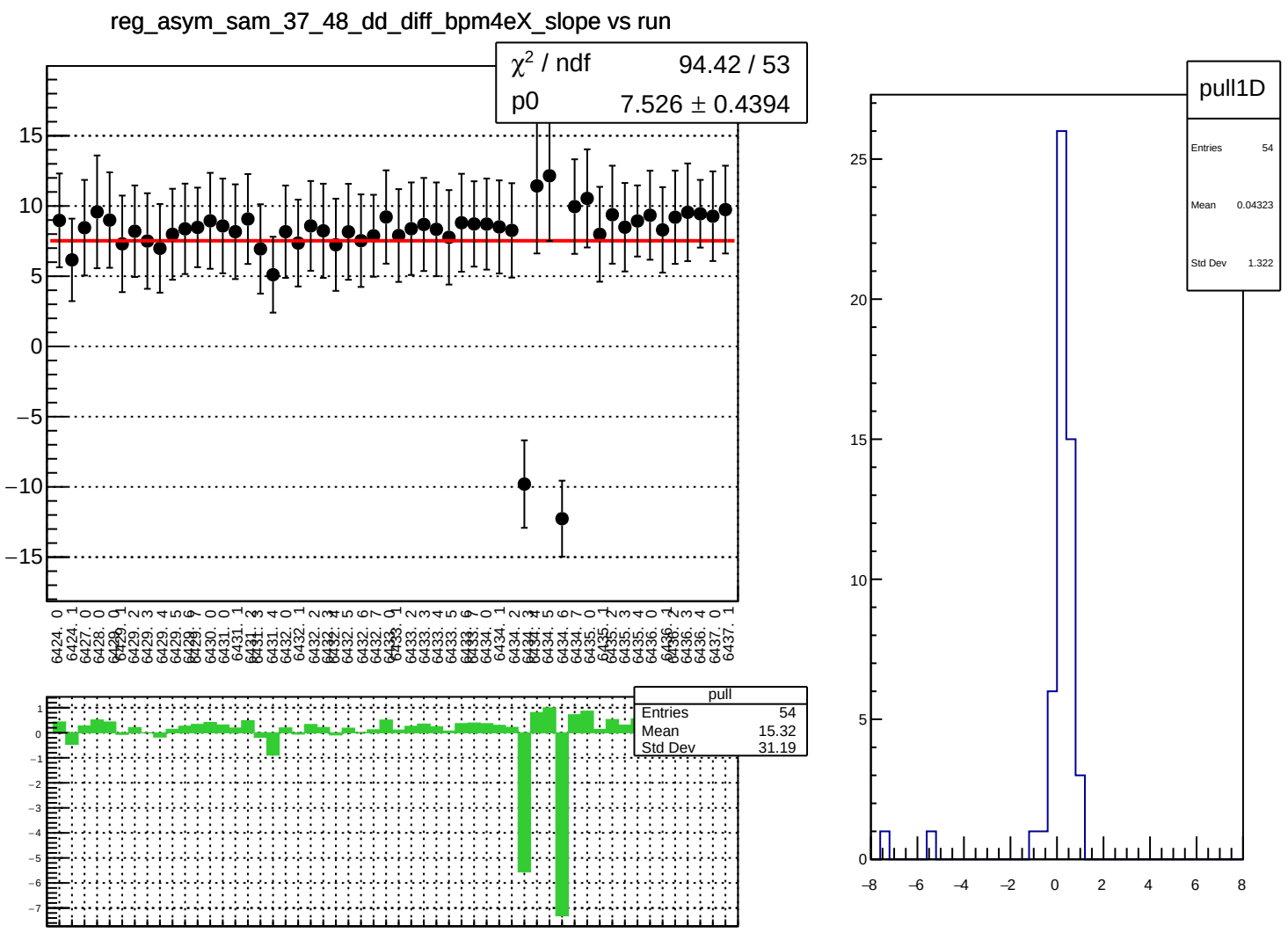

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.6 / 53
p0 49.7 ± 0.7803
pull
Entries 54
Mean 122.4
Std Dev 0
pull1D
Entries 54
Mean 0.0424
Std Dev 0.986

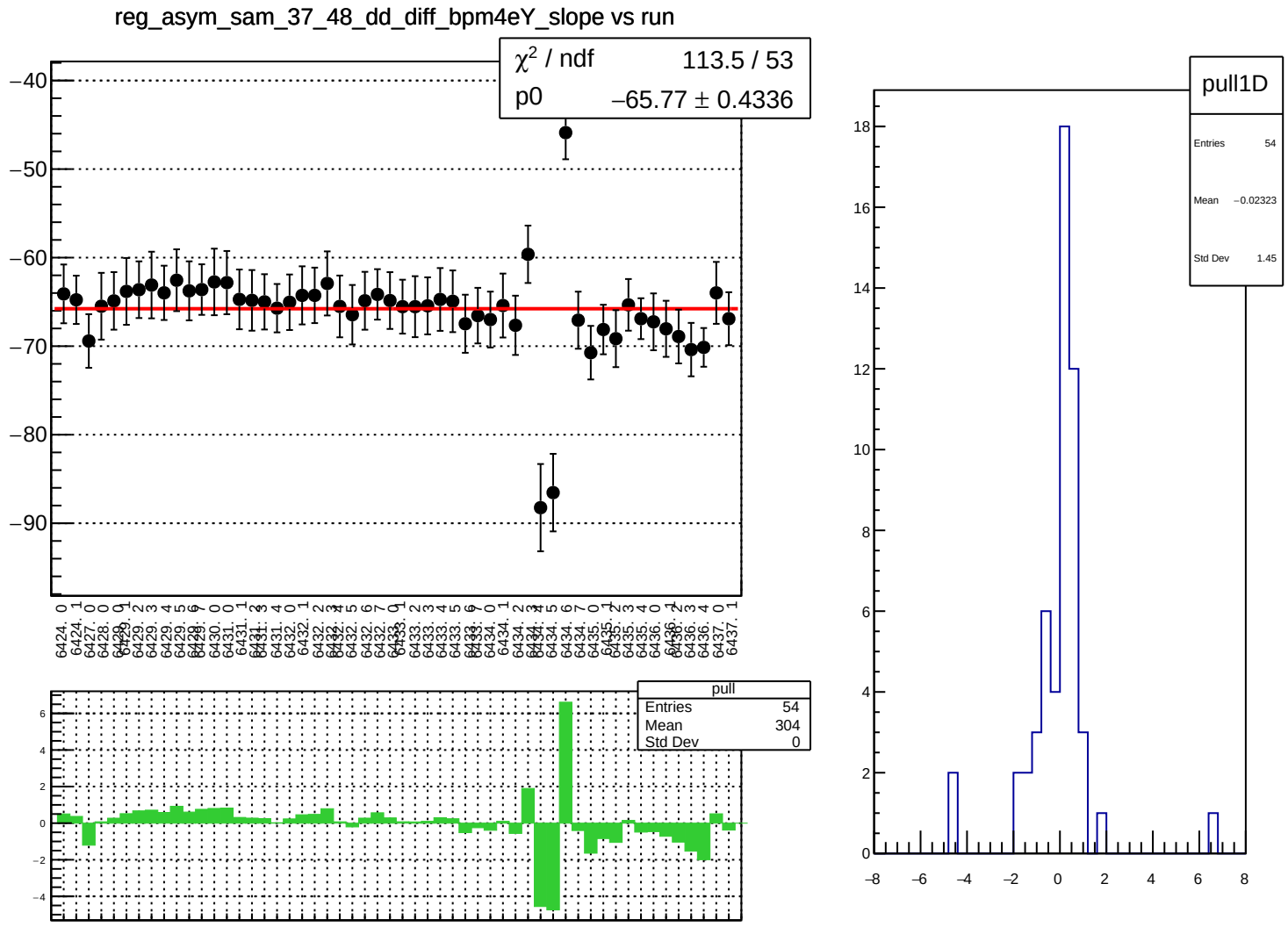

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.94 / 53
p0 −45.44 ± 0.7685
pull
Entries 54
Mean −87.59
Std Dev 0
pull1D
Entries 54
Mean 0.007318
Std Dev 0.9713

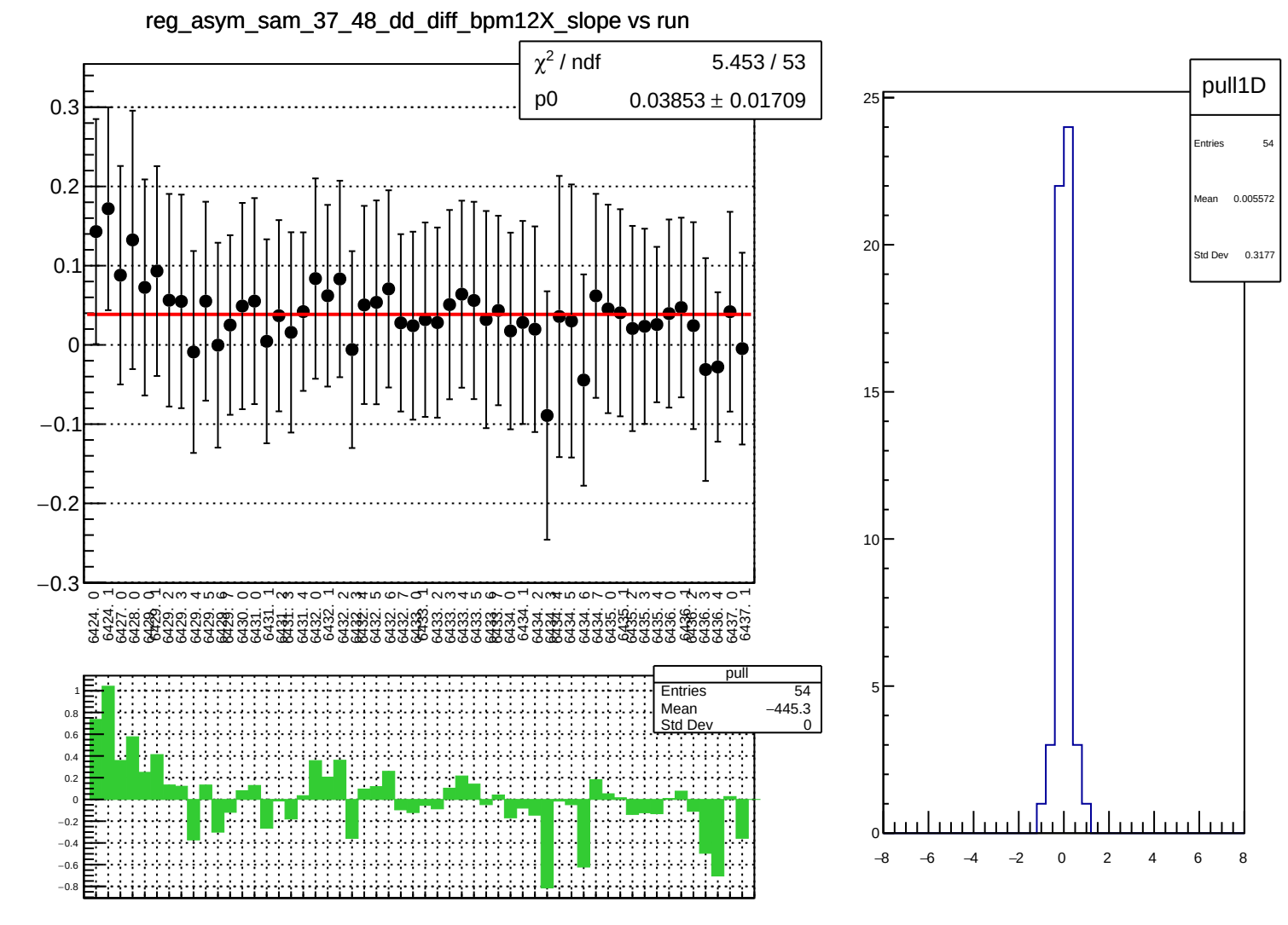

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.832 / 53
p0 −0.04855 ± 0.03036
pull
Entries 54
Mean 3681
Std Dev 0
pull1D
Entries 54
Mean −0.0004252
Std Dev 0.229

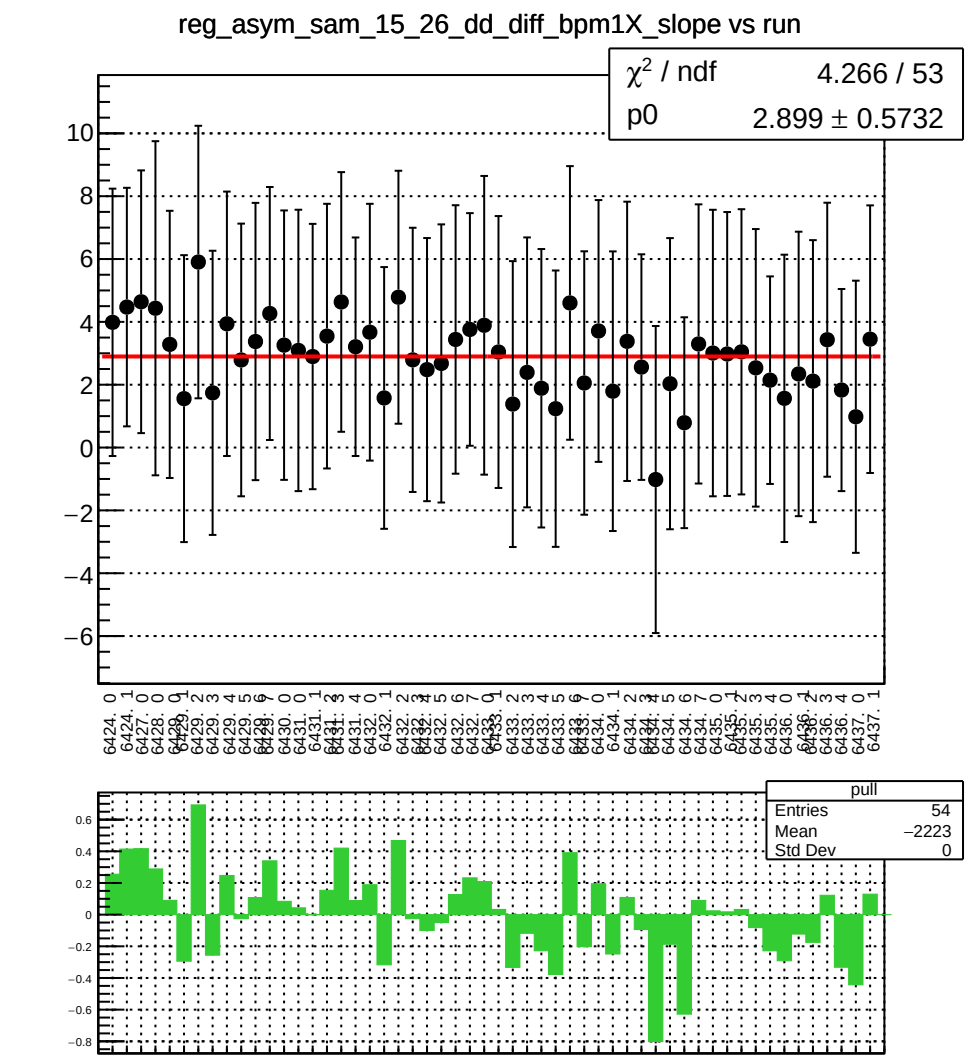

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 127.8 / 53
p0 5.178 ± 0.4204
pull
Entries 54
Mean −56.67
Std Dev 0
pull1D
Entries 54
Mean −0.1811
Std Dev 1.04

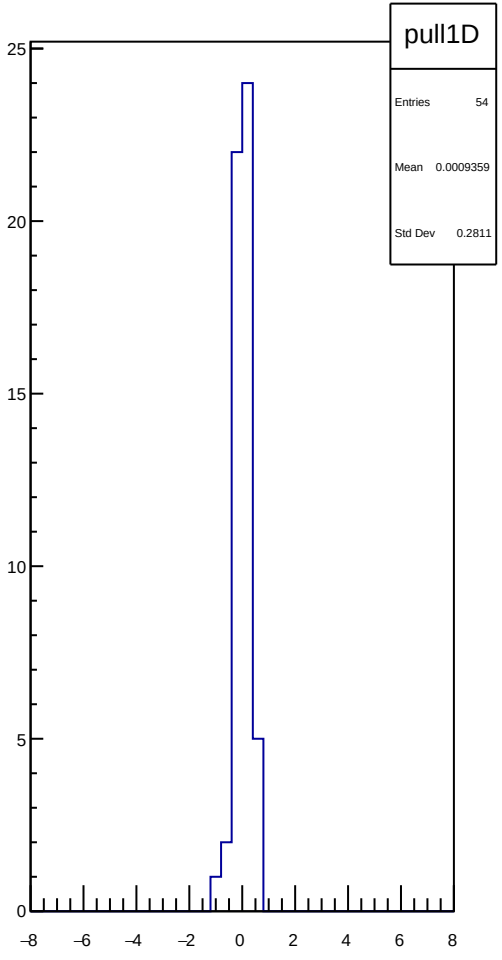

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 132.5 / 53
p0 4.715 ± 0.4257
pull
Entries 54
Mean 13.94
Std Dev 0
pull1D
Entries 54
Mean 0.1047
Std Dev 0.9776

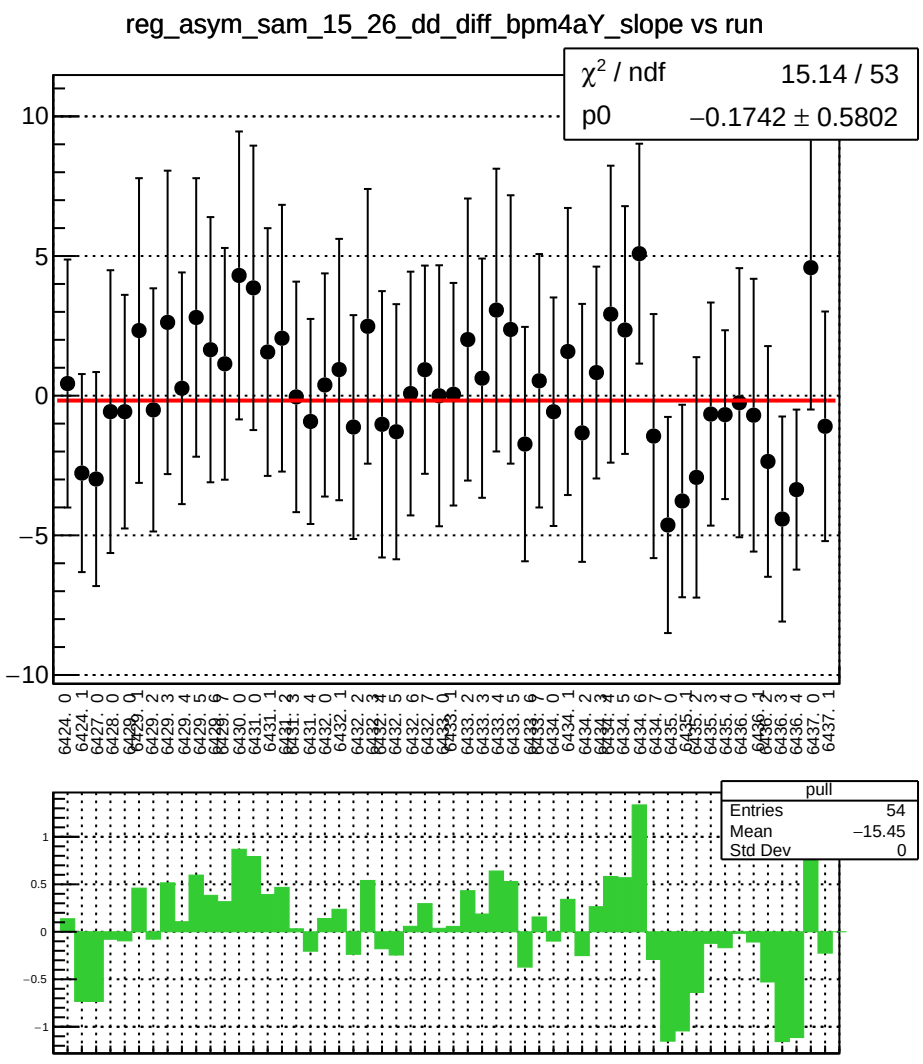

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.42 / 53
p0 7.526 ± 0.4394
pull
Entries 54
Mean 15.32
Std Dev 31.19
pull1D
Entries 54
Mean 0.04323
Std Dev 1.322

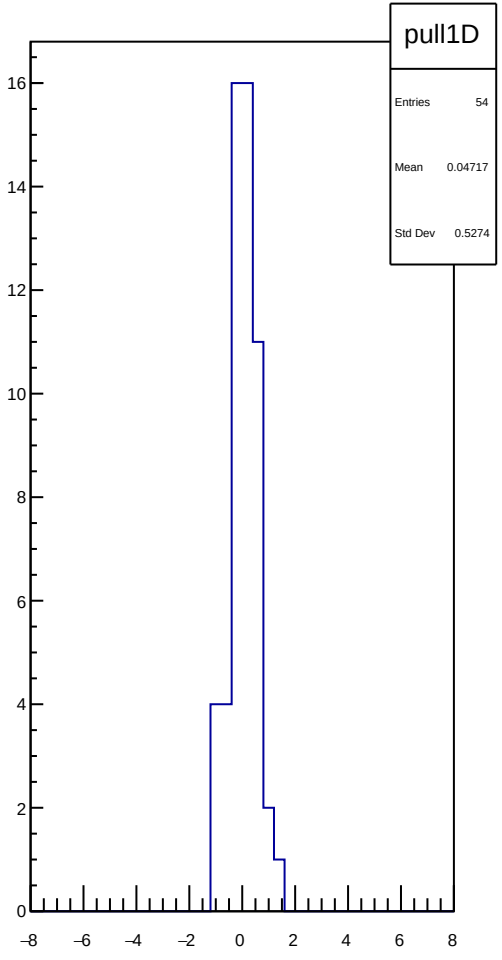

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 113.5 / 53
p0 −65.77 ± 0.4336
pull
Entries 54
Mean 304
Std Dev 0
pull1D
Entries 54
Mean −0.02323
Std Dev 1.45

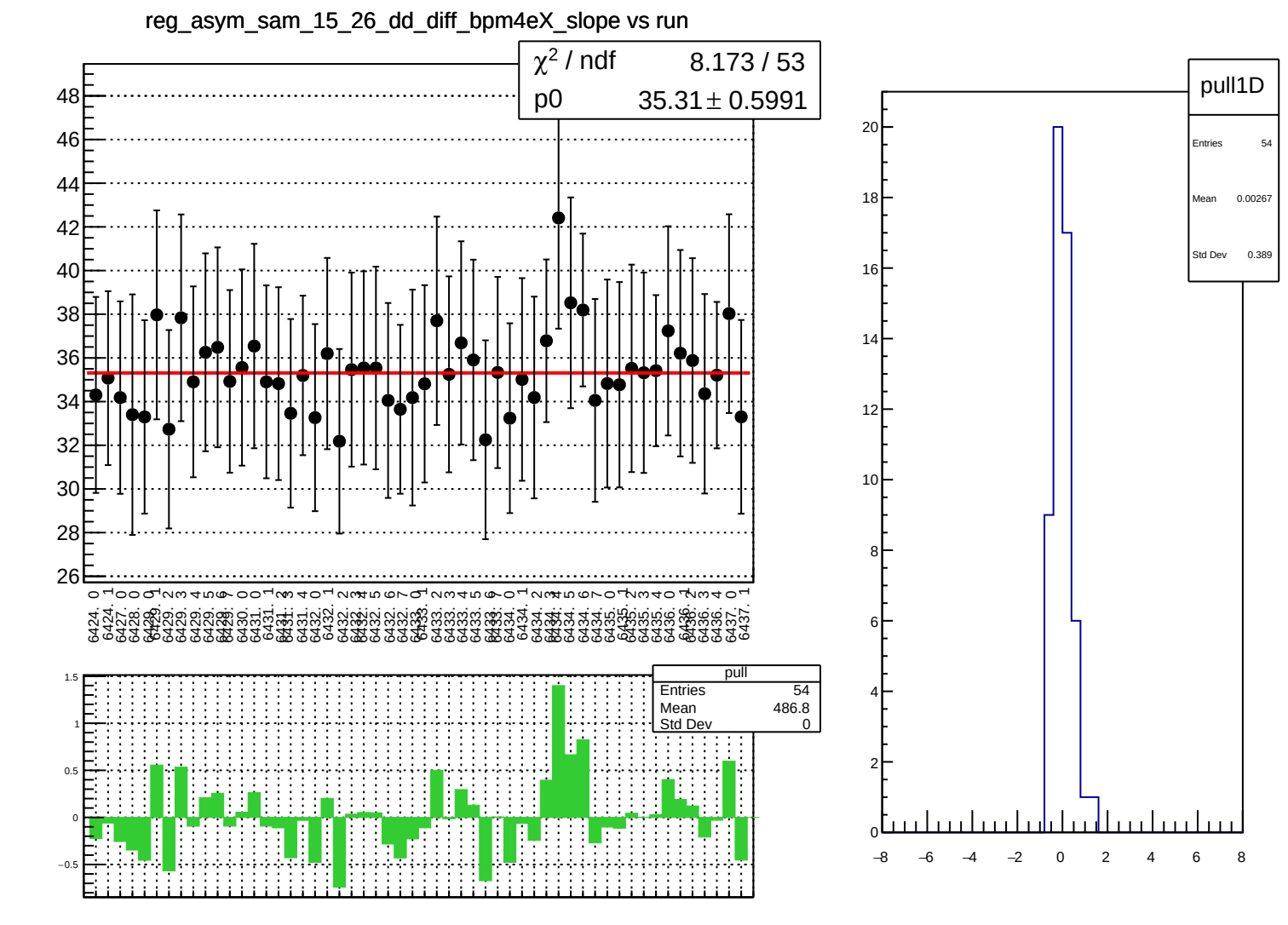

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.453 / 53
p0 0.03853 ± 0.01709
pull
Entries 54
Mean −445.3
Std Dev 0
pull1D
Entries 54
Mean 0.005572
Std Dev 0.3177

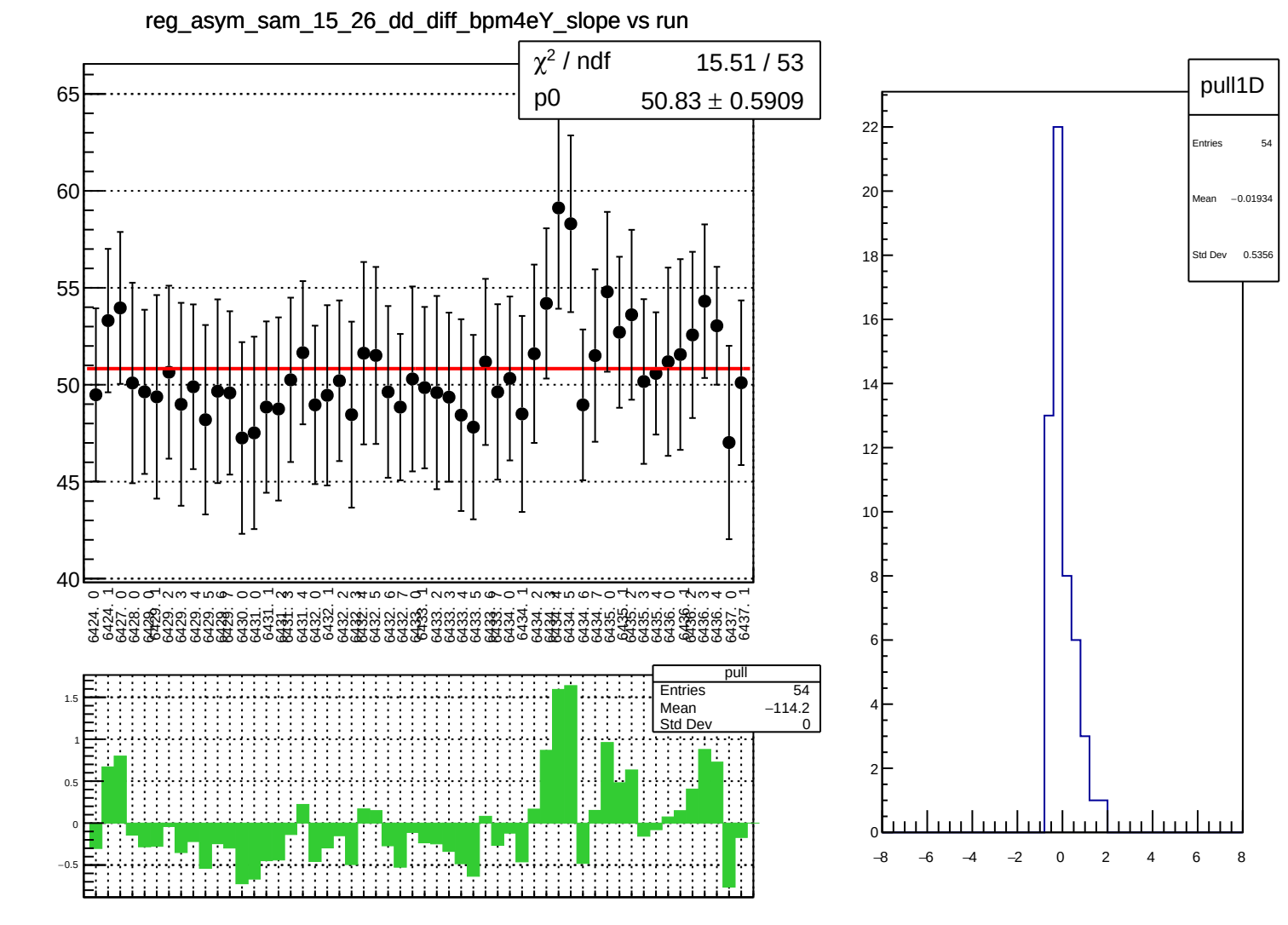

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.266 / 53
p0 2.899 ± 0.5732
pull
Entries 54
Mean −2223
Std Dev 0

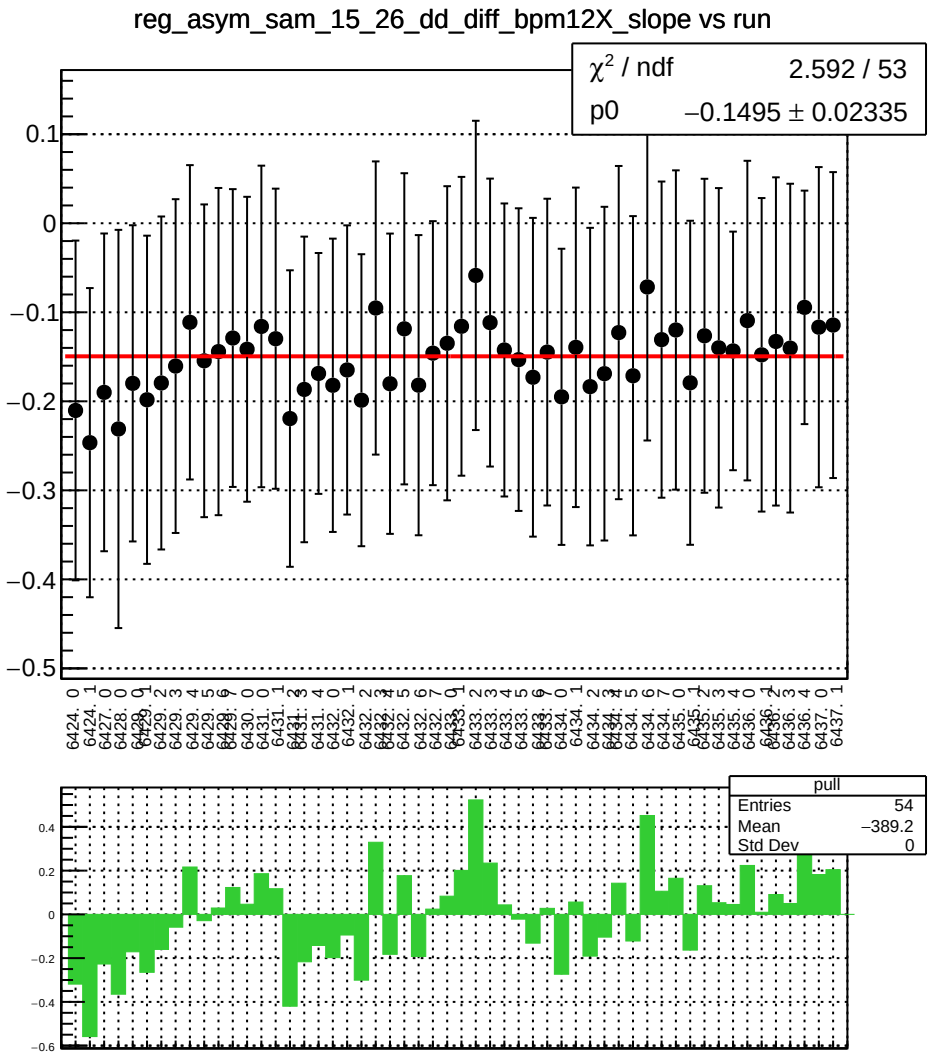

pull1D
Entries 54
Mean 0.0009359
Std Dev 0.2811

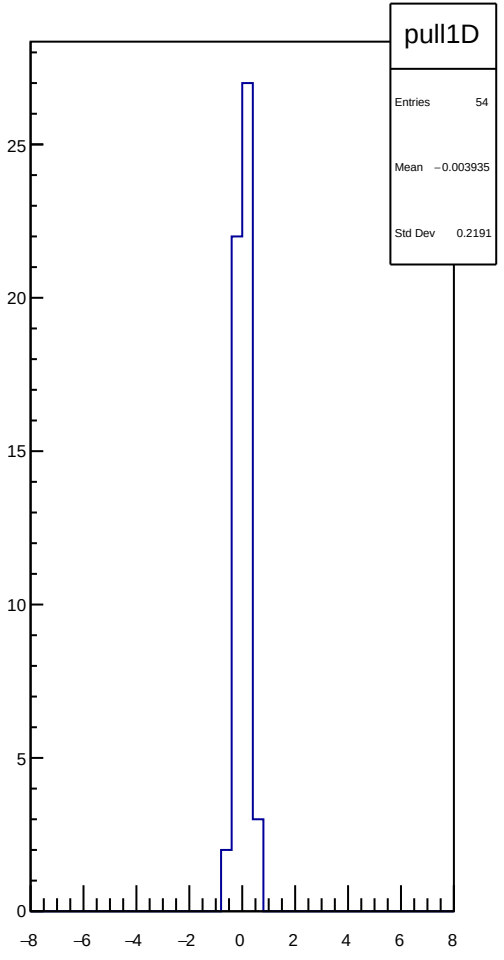

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.14 / 53
p0 −0.1742 ± 0.5802
pull
Entries 54
Mean −15.45
Std Dev 0

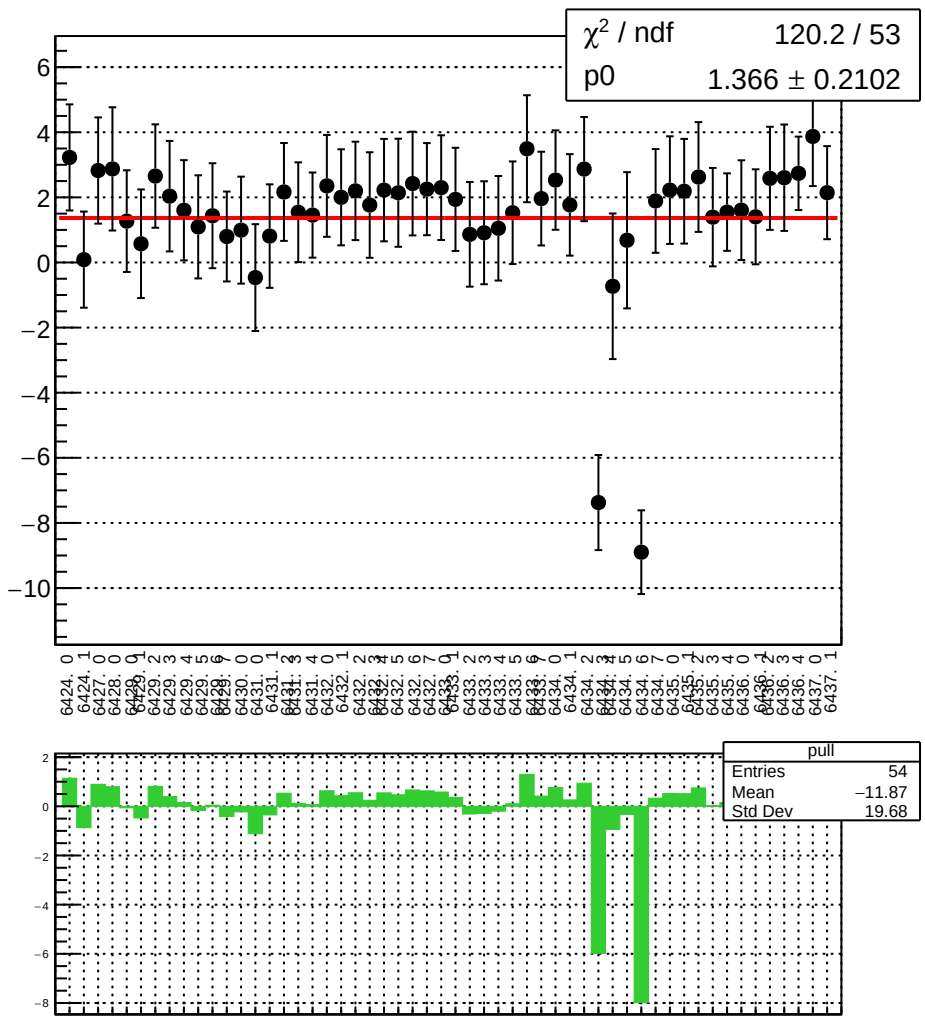

pull1D
Entries 54
Mean 0.04717
Std Dev 0.5274

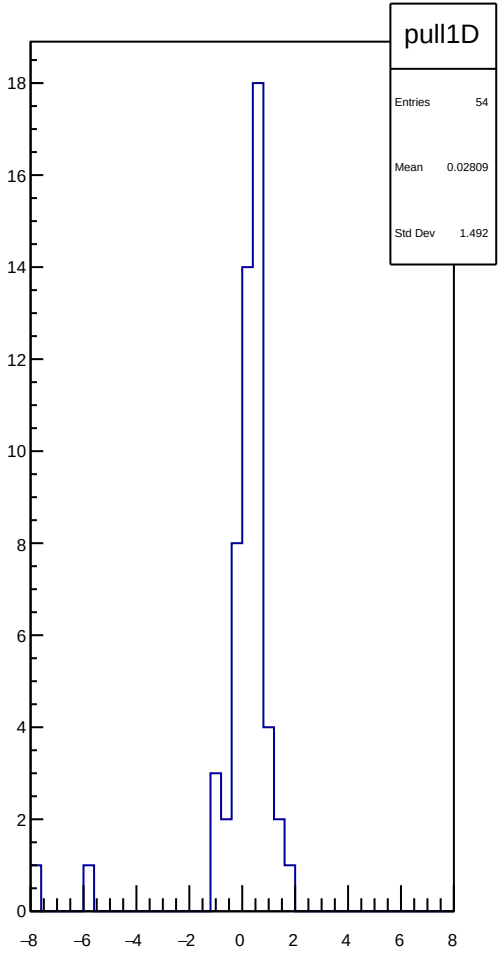

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.173 / 53
p0 35.31 ± 0.5991
pull
Entries 54
Mean 486.8
Std Dev 0
pull1D
Entries 54
Mean 0.00267
Std Dev 0.389

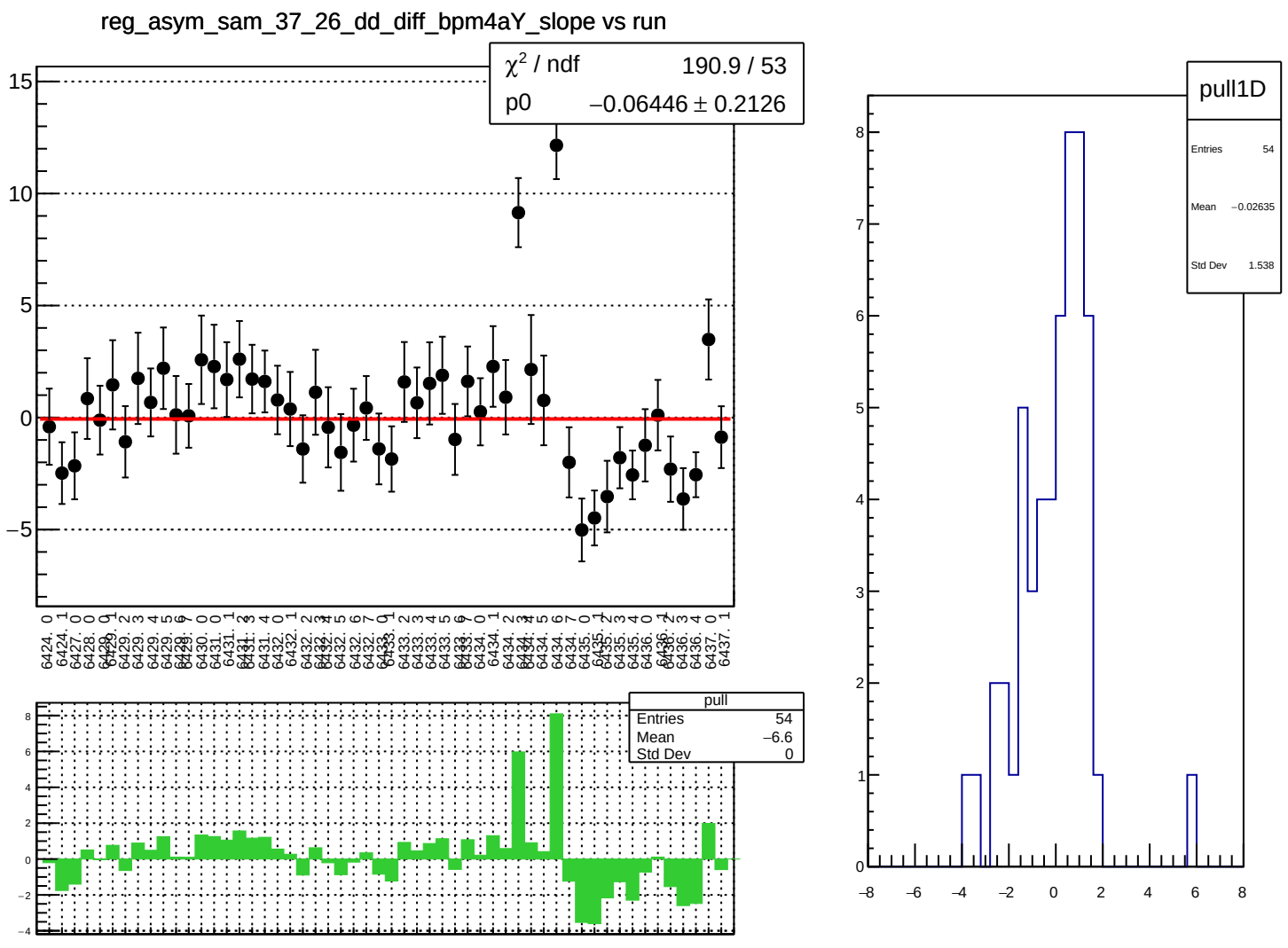

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.51 / 53
p0 50.83 ± 0.5909
pull
Entries 54
Mean −114.2
Std Dev 0
pull1D
Entries 54
Mean −0.01934
Std Dev 0.5356

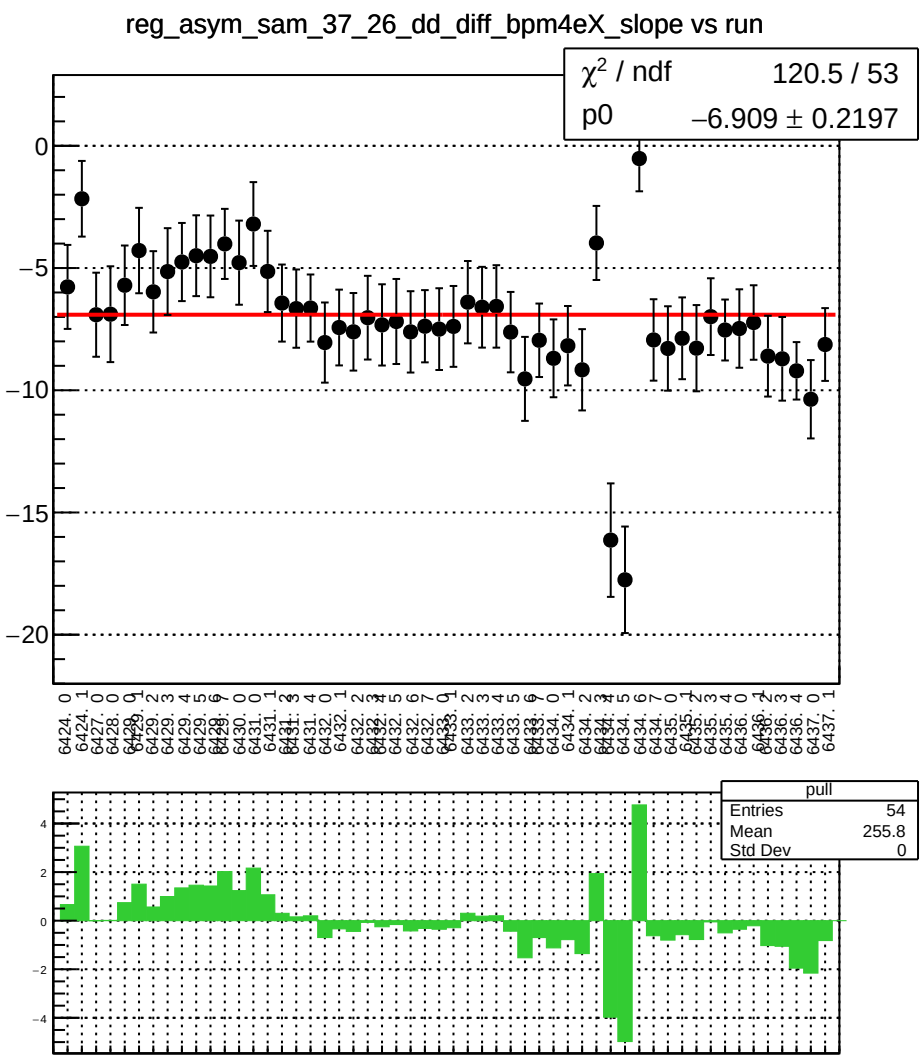

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.592 / 53
p0 −0.1495 ± 0.02335
pull
Entries 54
Mean −389.2
Std Dev 0

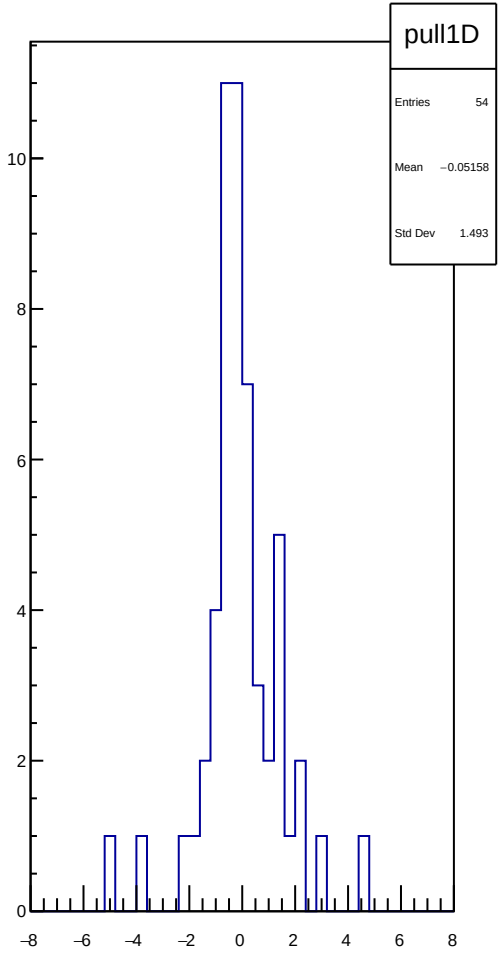

pull1D
Entries 54
Mean −0.003935
Std Dev 0.2191

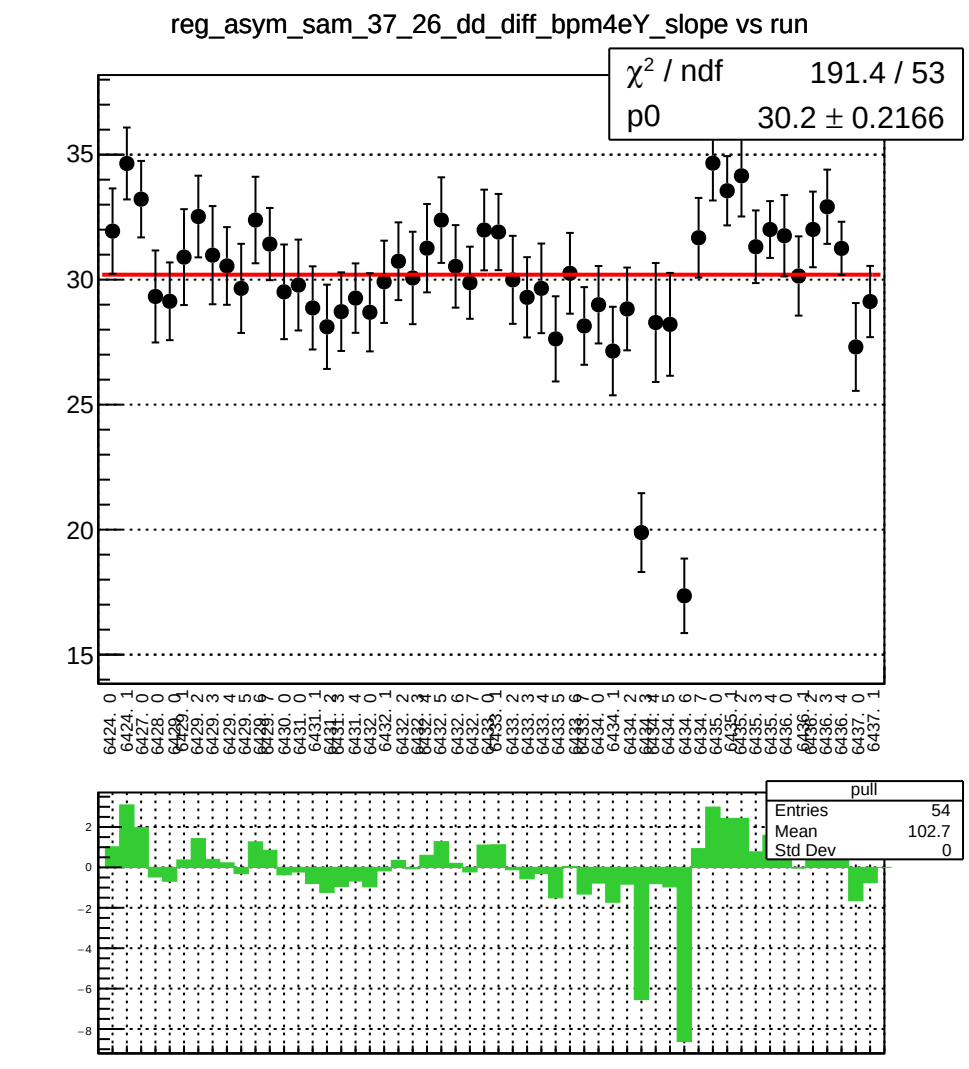

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 120.2 / 53
p0 1.366 ± 0.2102
pull
Entries 54
Mean −11.87
Std Dev 19.68

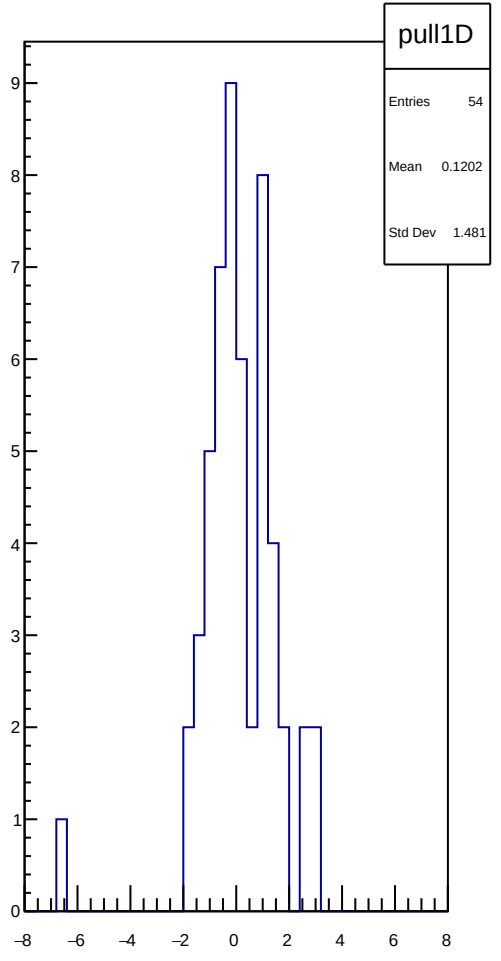

pull1D
Entries 54
Mean 0.02809
Std Dev 1.492

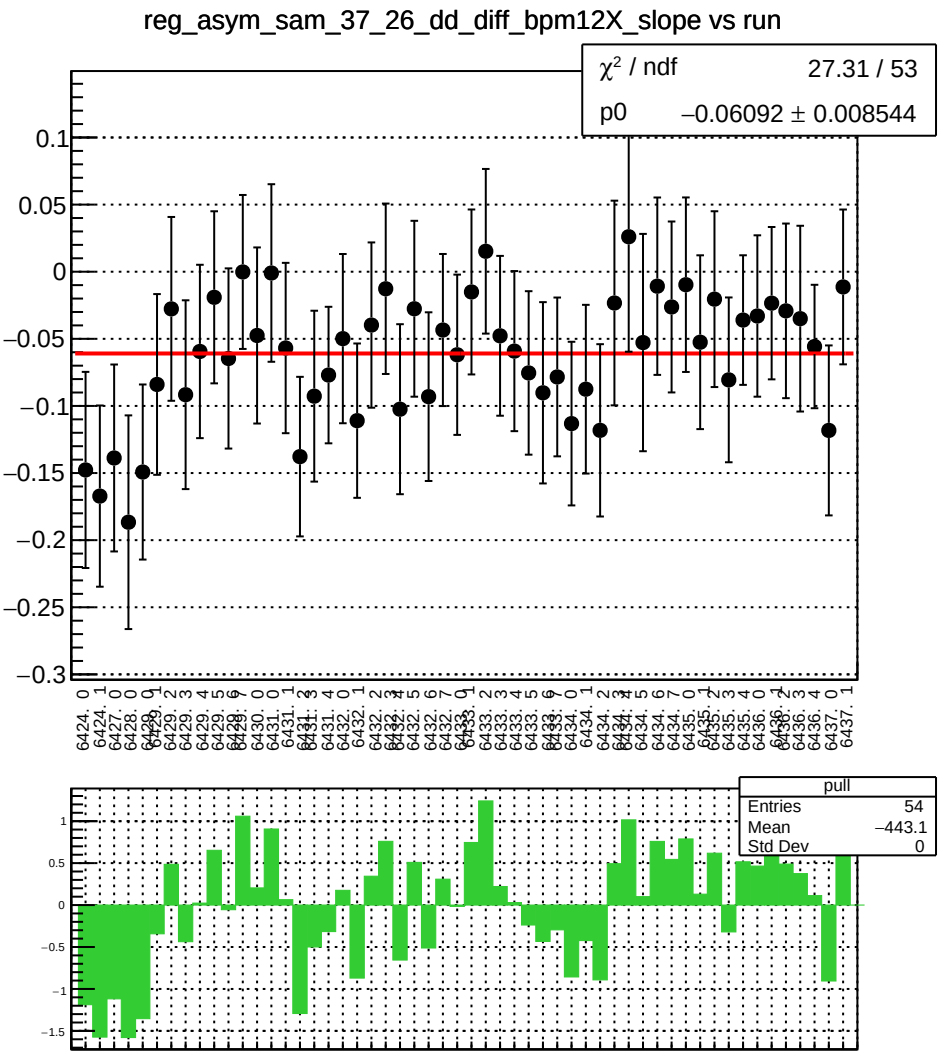

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 190.9 / 53
p0 −0.06446 ± 0.2126
pull
Entries 54
Mean −6.6
Std Dev 0
pull1D
Entries 54
Mean −0.02635
Std Dev 1.538

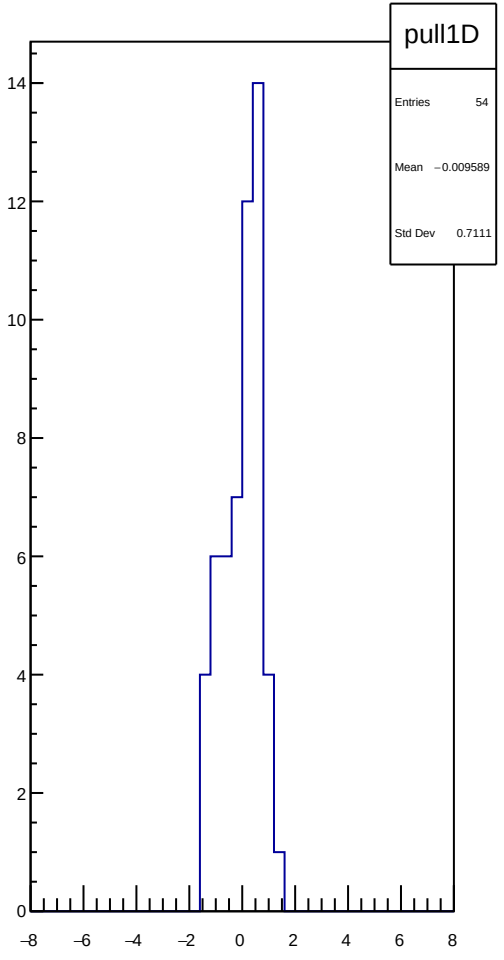

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 120.5 / 53
p0 −6.909 ± 0.2197
pull
Entries 54
Mean 255.8
Std Dev 0

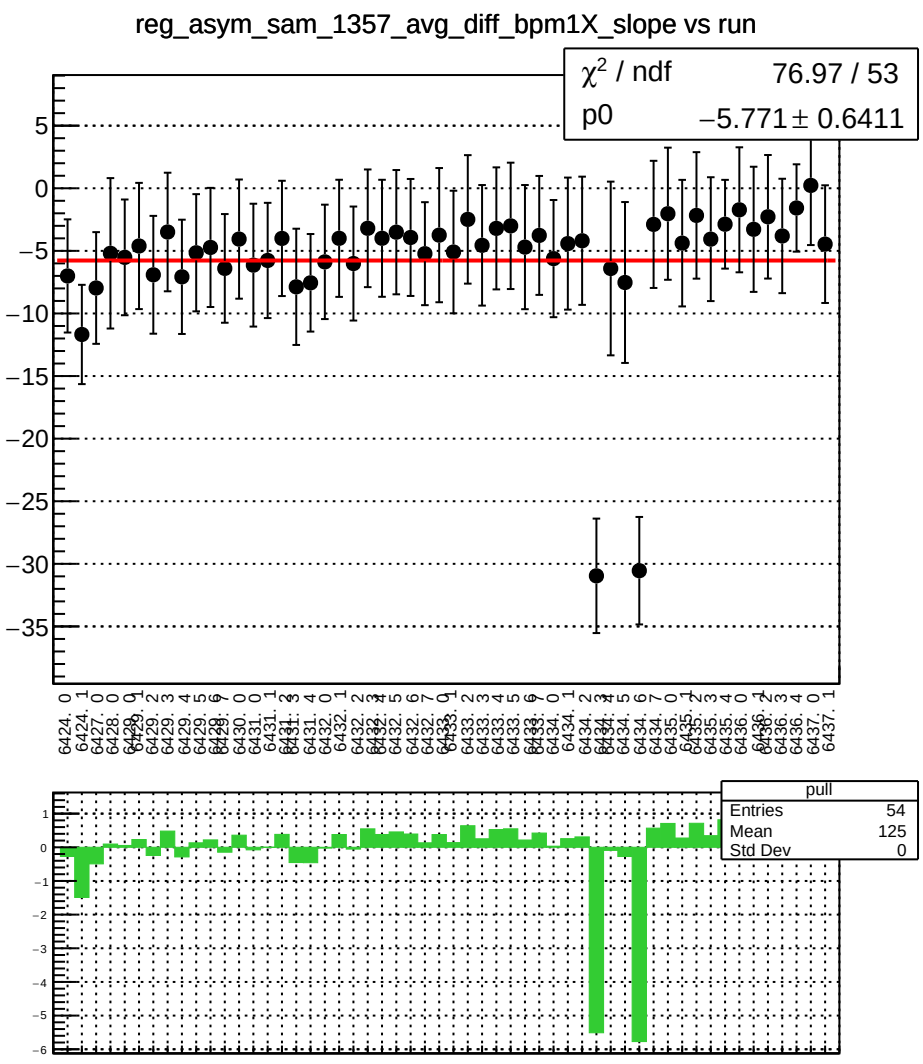

pull1D
Entries 54
Mean −0.05158
Std Dev 1.493

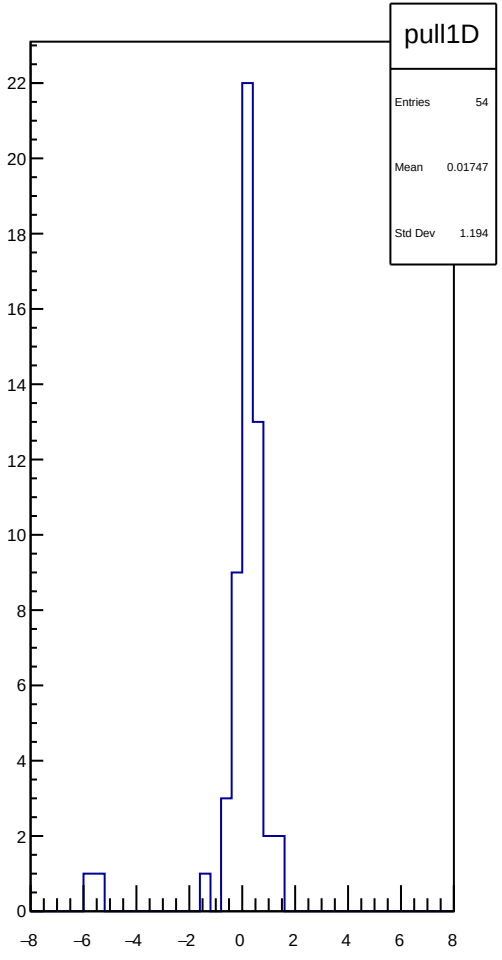

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 191.4 / 53
p0 30.2 ± 0.2166
pull
Entries 54
Mean 102.7
Std Dev 0

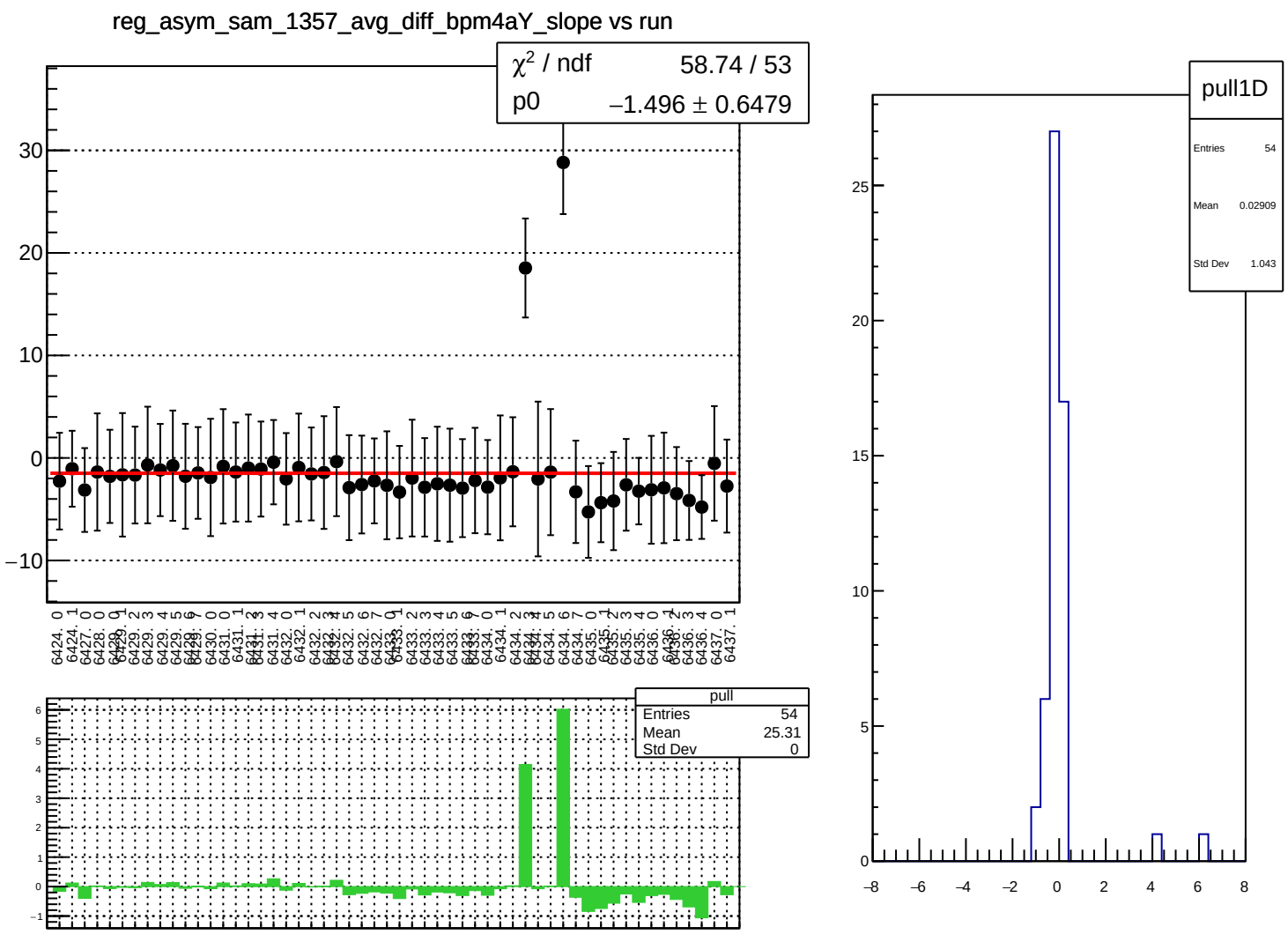

pull1D
Entries 54
Mean 0.1202
Std Dev 1.481

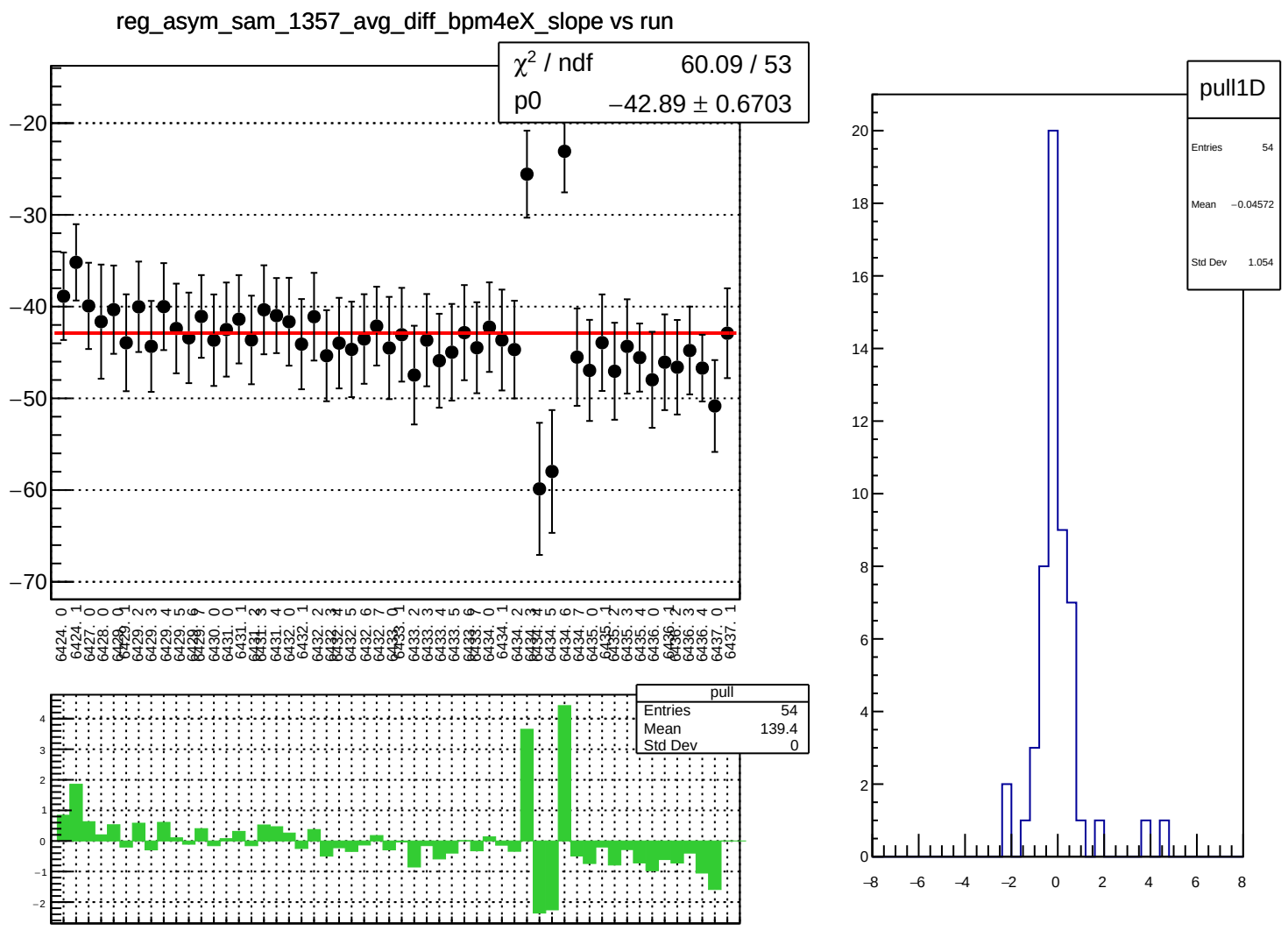

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 27.31 / 53
p0 −0.06092 ± 0.008544
pull
Entries 54
Mean −443.1
Std Dev 0

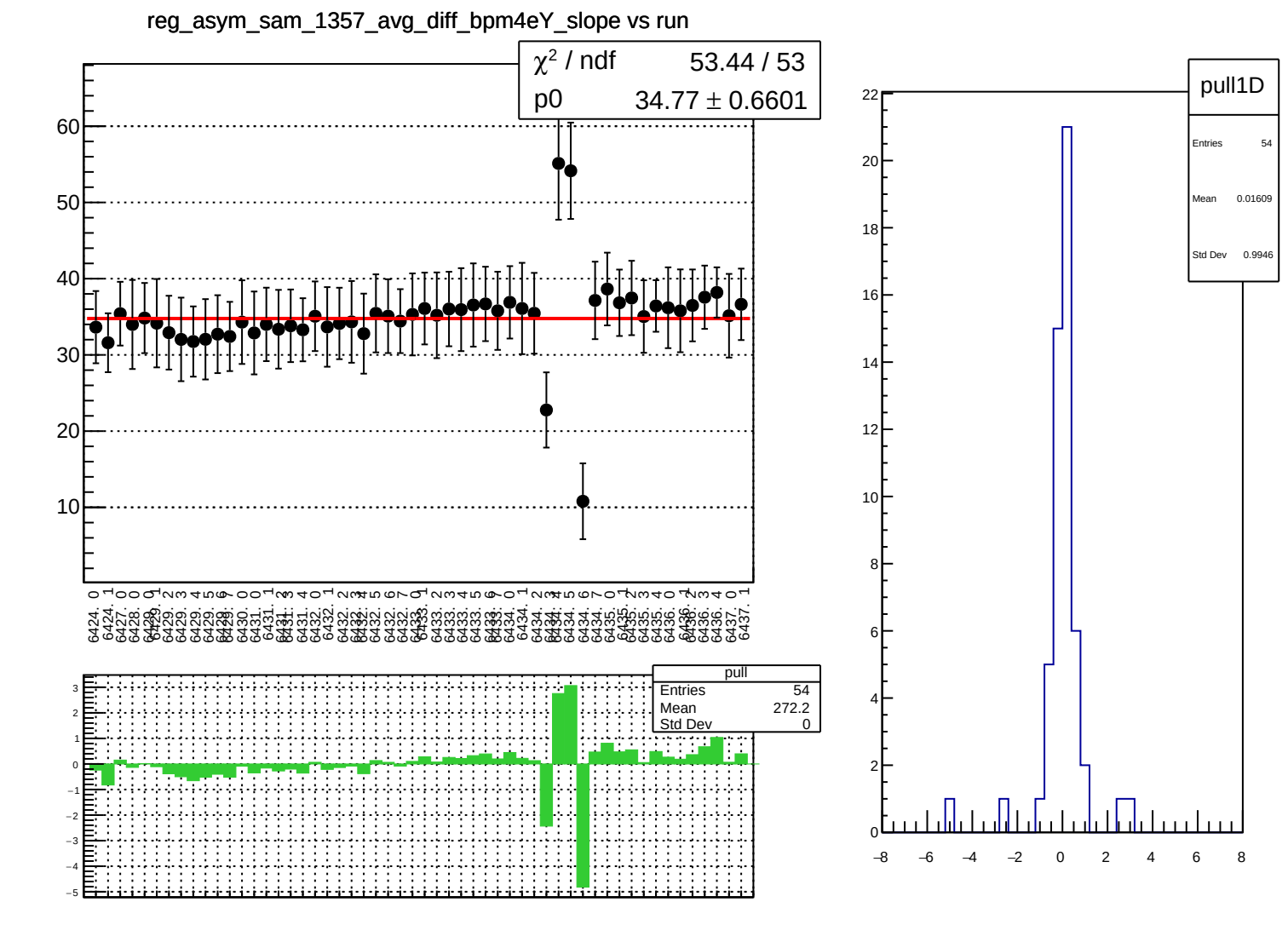

pull1D
Entries 54
Mean −0.009589
Std Dev 0.7111

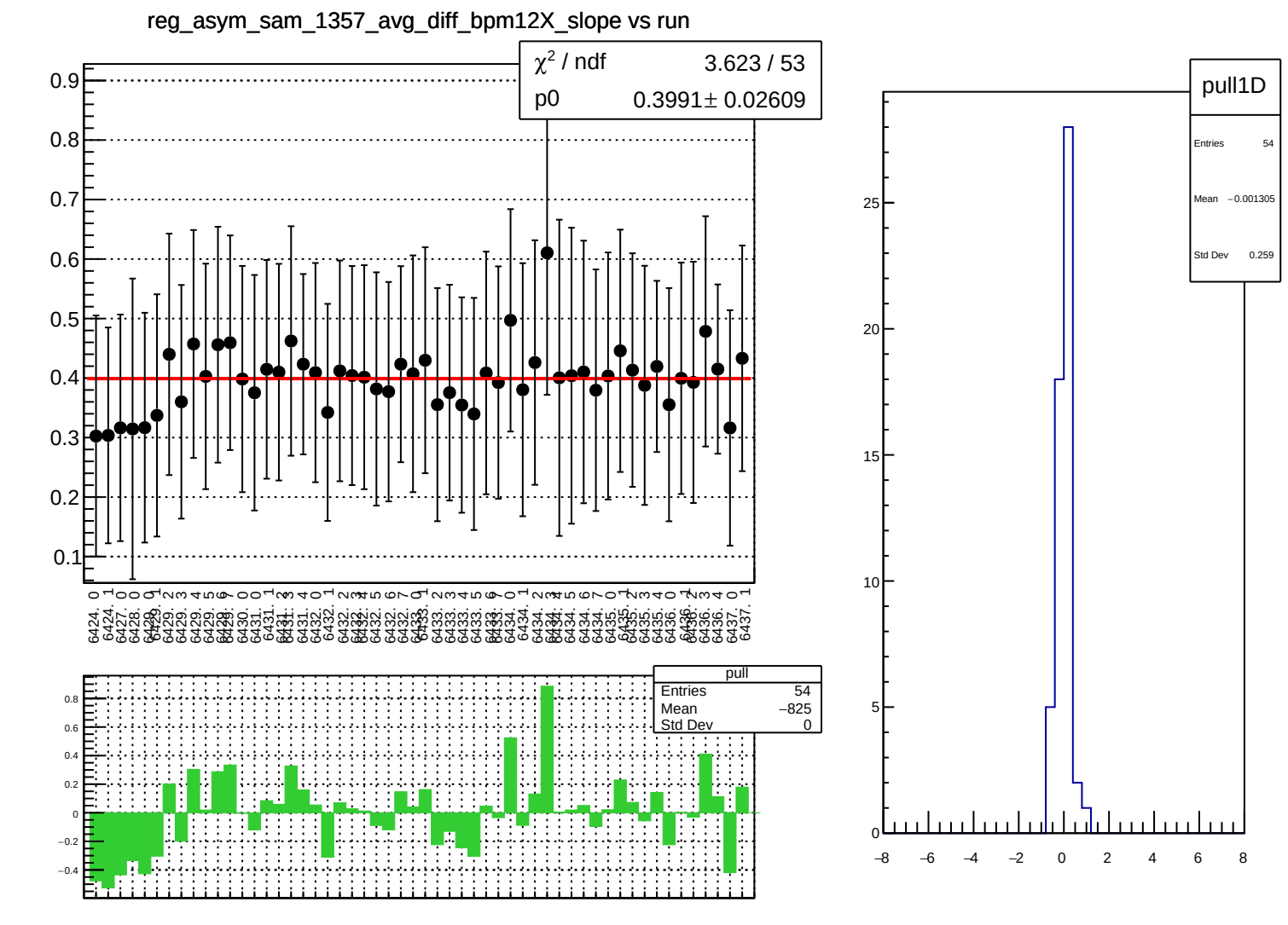

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 76.97 / 53
p0 −5.771 ± 0.6411
pull
Entries 54
Mean 125
Std Dev 0

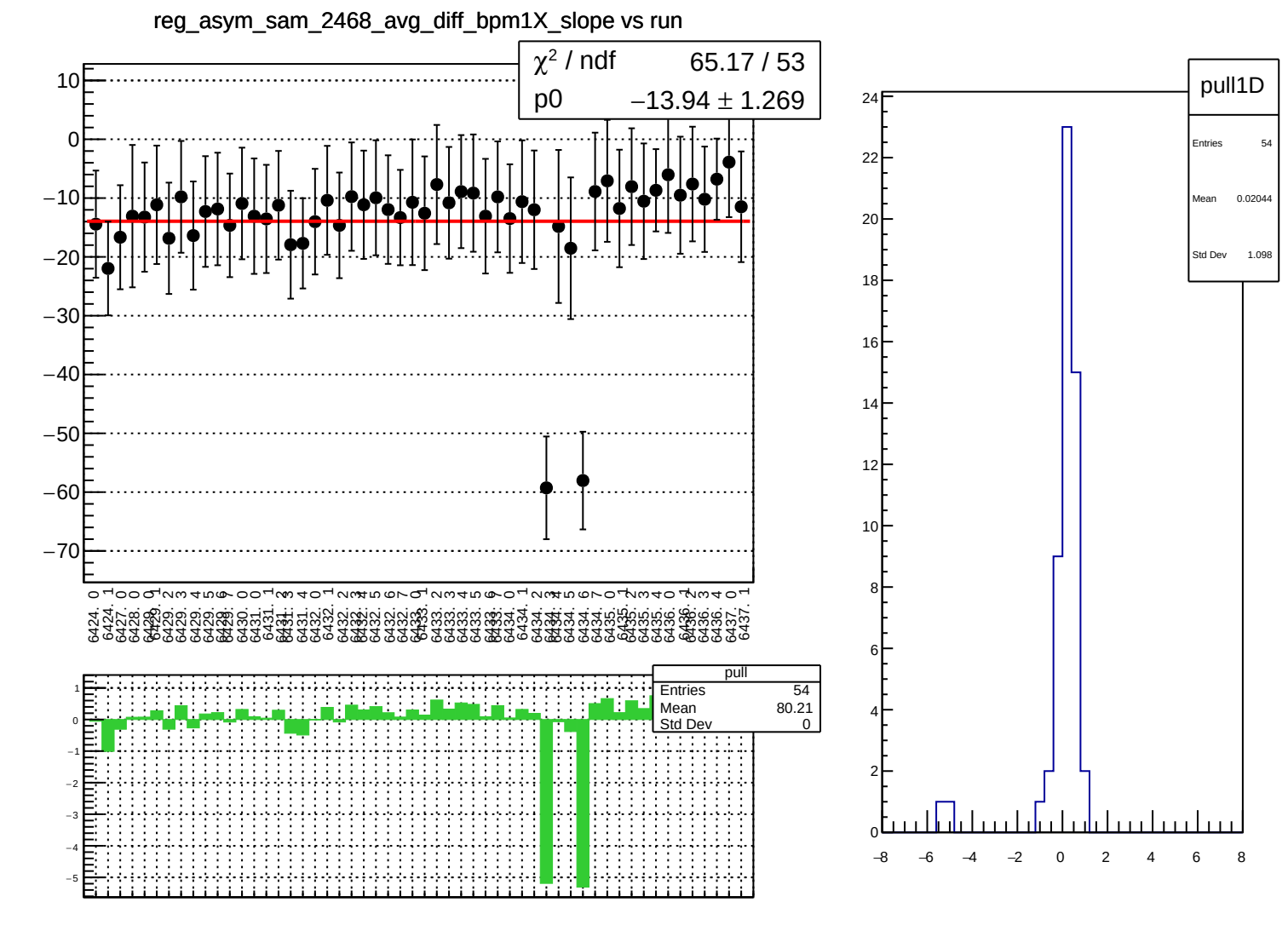

pull1D
Entries 54
Mean 0.01747
Std Dev 1.194

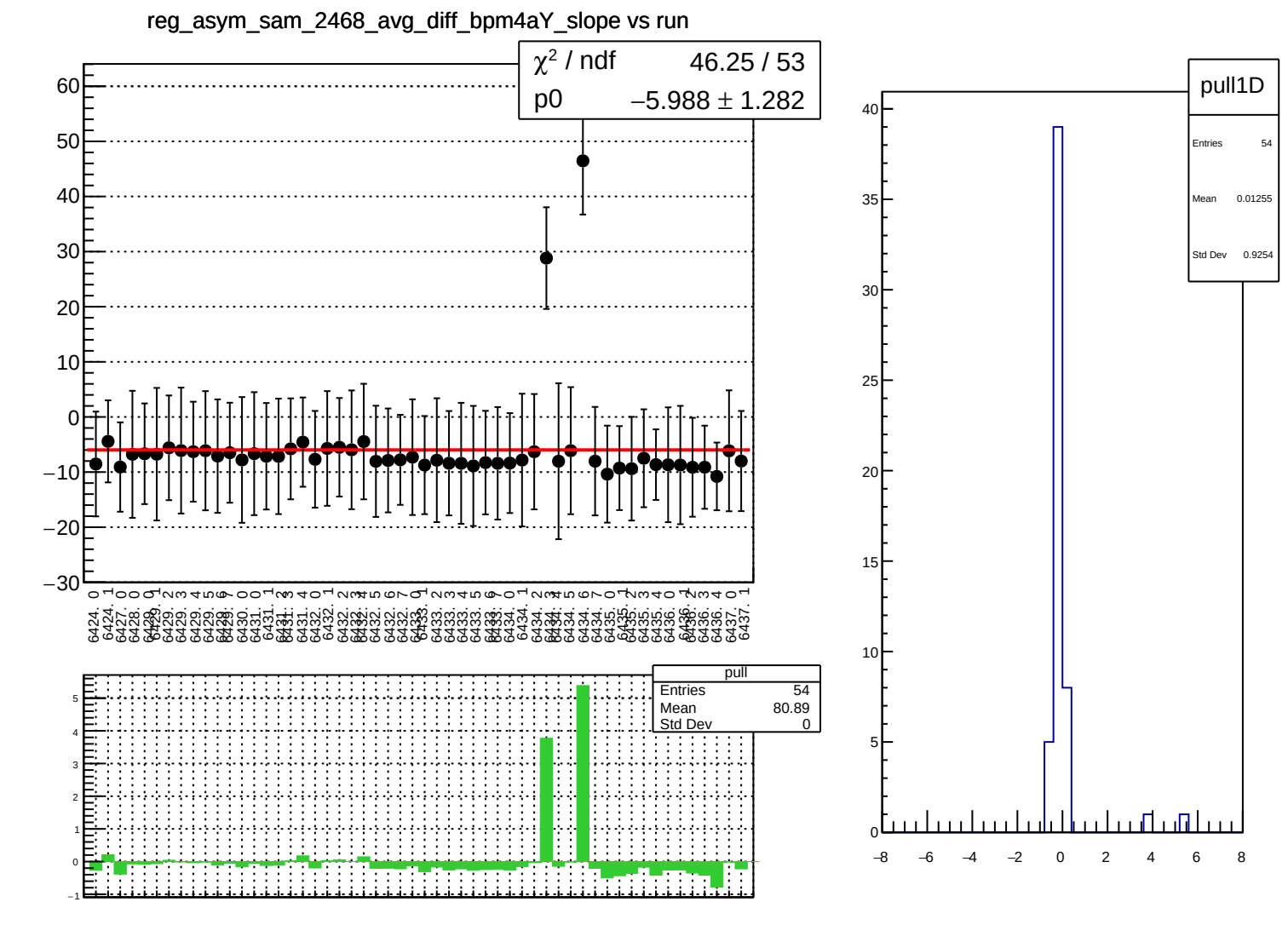

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.74 / 53
p0 −1.496 ± 0.6479
pull
Entries 54
Mean 25.31
Std Dev 0
pull1D
Entries 54
Mean 0.02909
Std Dev 1.043

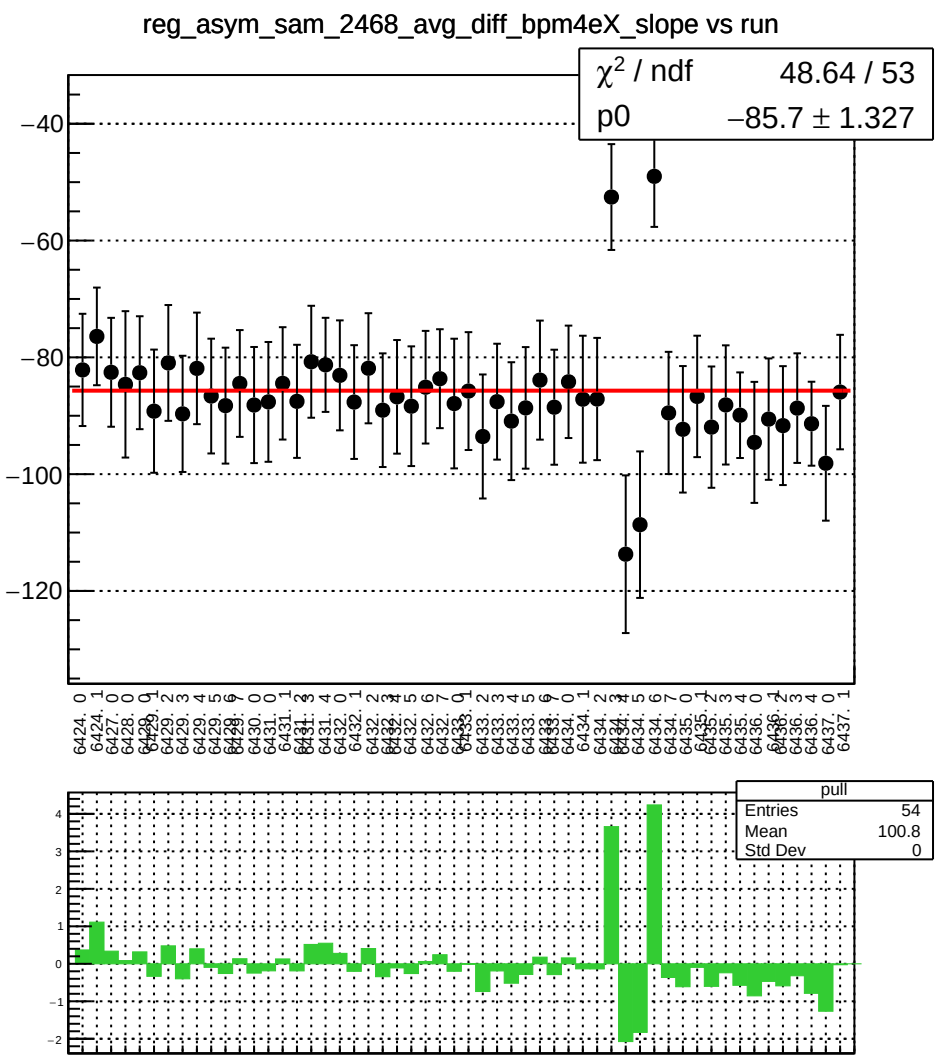

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.09 / 53
p0 −42.89 ± 0.6703
pull
Entries 54
Mean 139.4
Std Dev 0
pull1D
Entries 54
Mean −0.04572
Std Dev 1.054

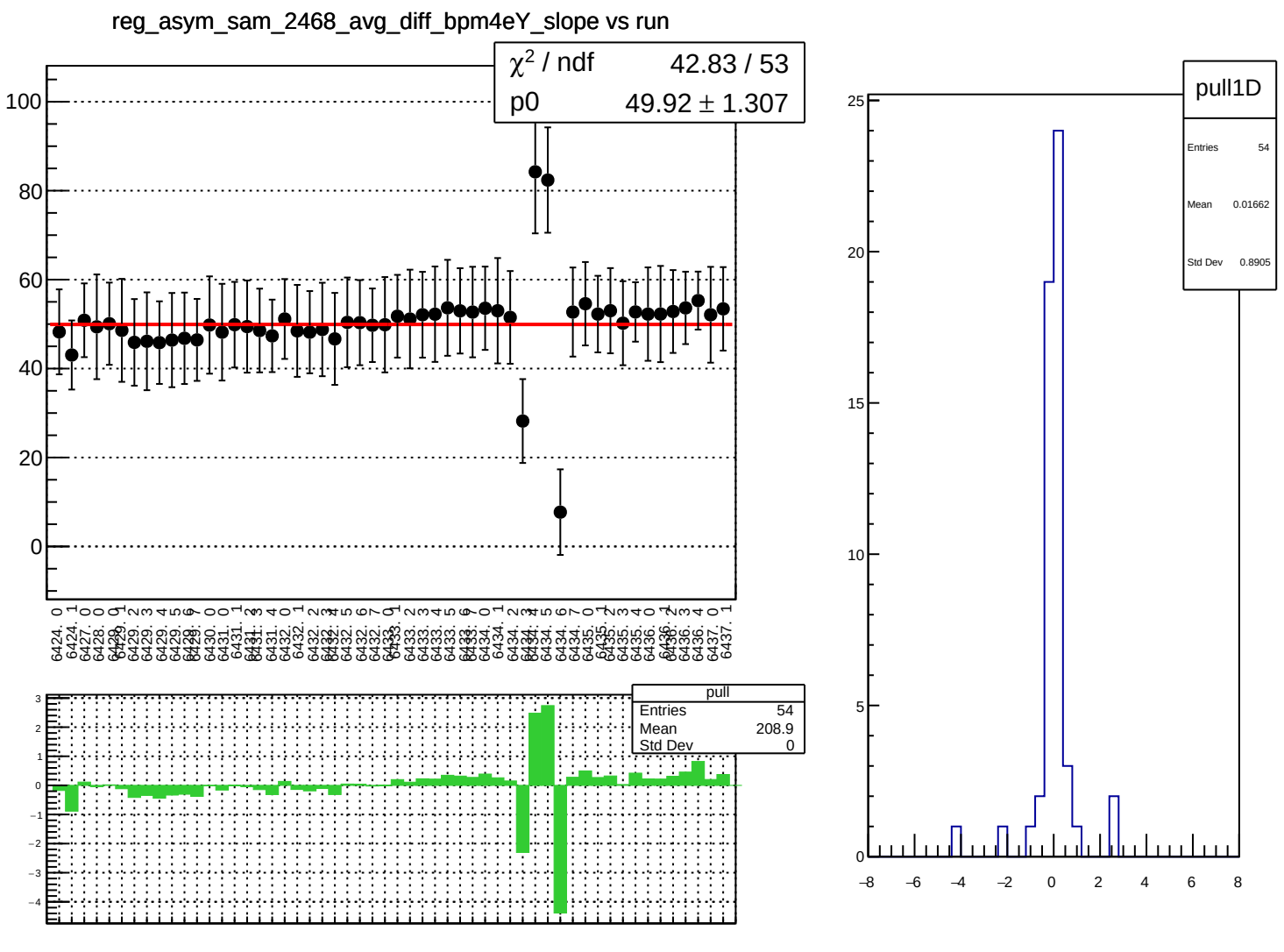

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.44 / 53
p0 34.77 ± 0.6601
pull
Entries 54
Mean 272.2
Std Dev 0
pull1D
Entries 54
Mean 0.01609
Std Dev 0.9946

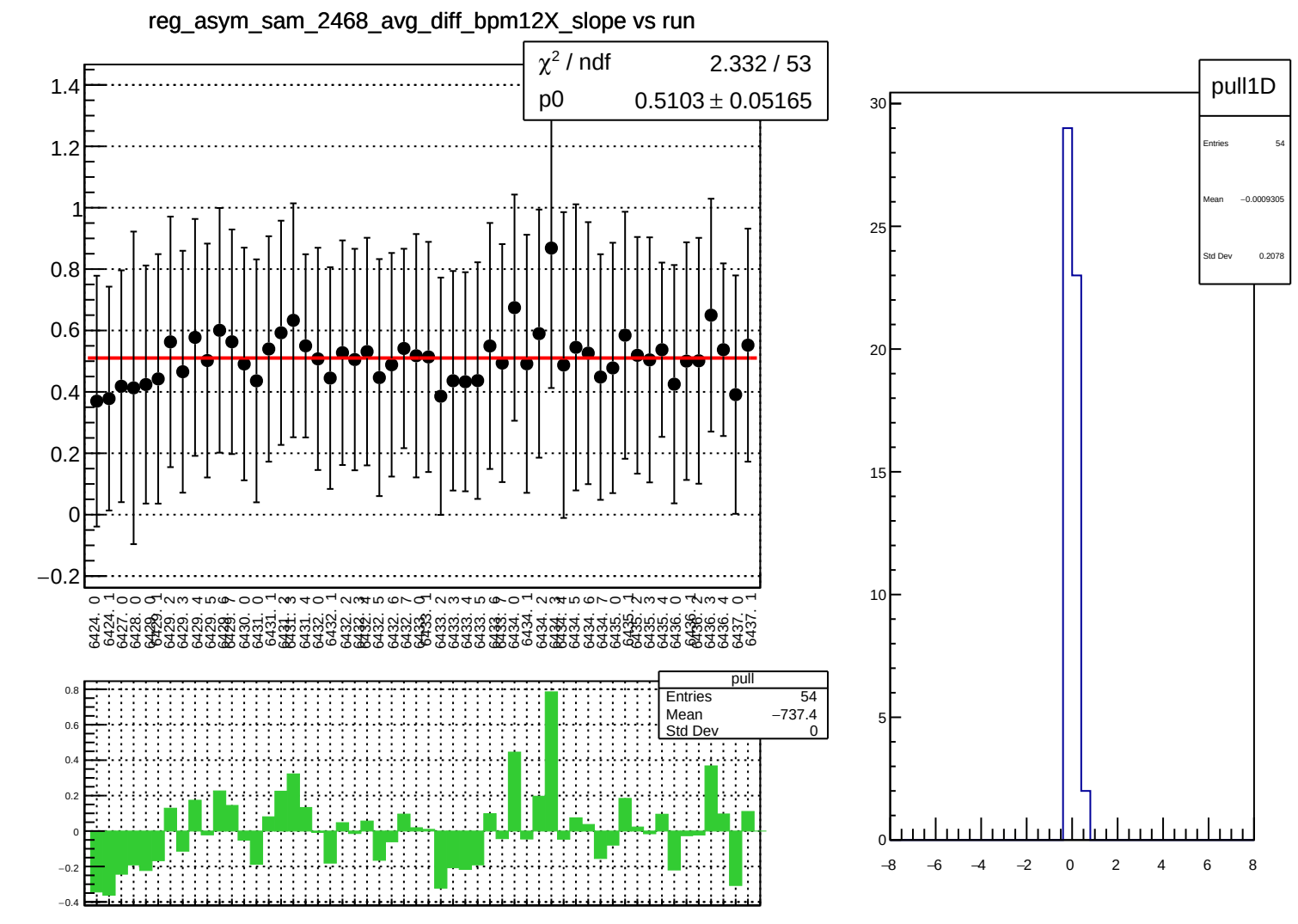

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.623 / 53
p0 0.3991± 0.02609
pull
Entries 54
Mean −825
Std Dev 0
pull1D
Entries 54
Mean −0.001305
Std Dev 0.259

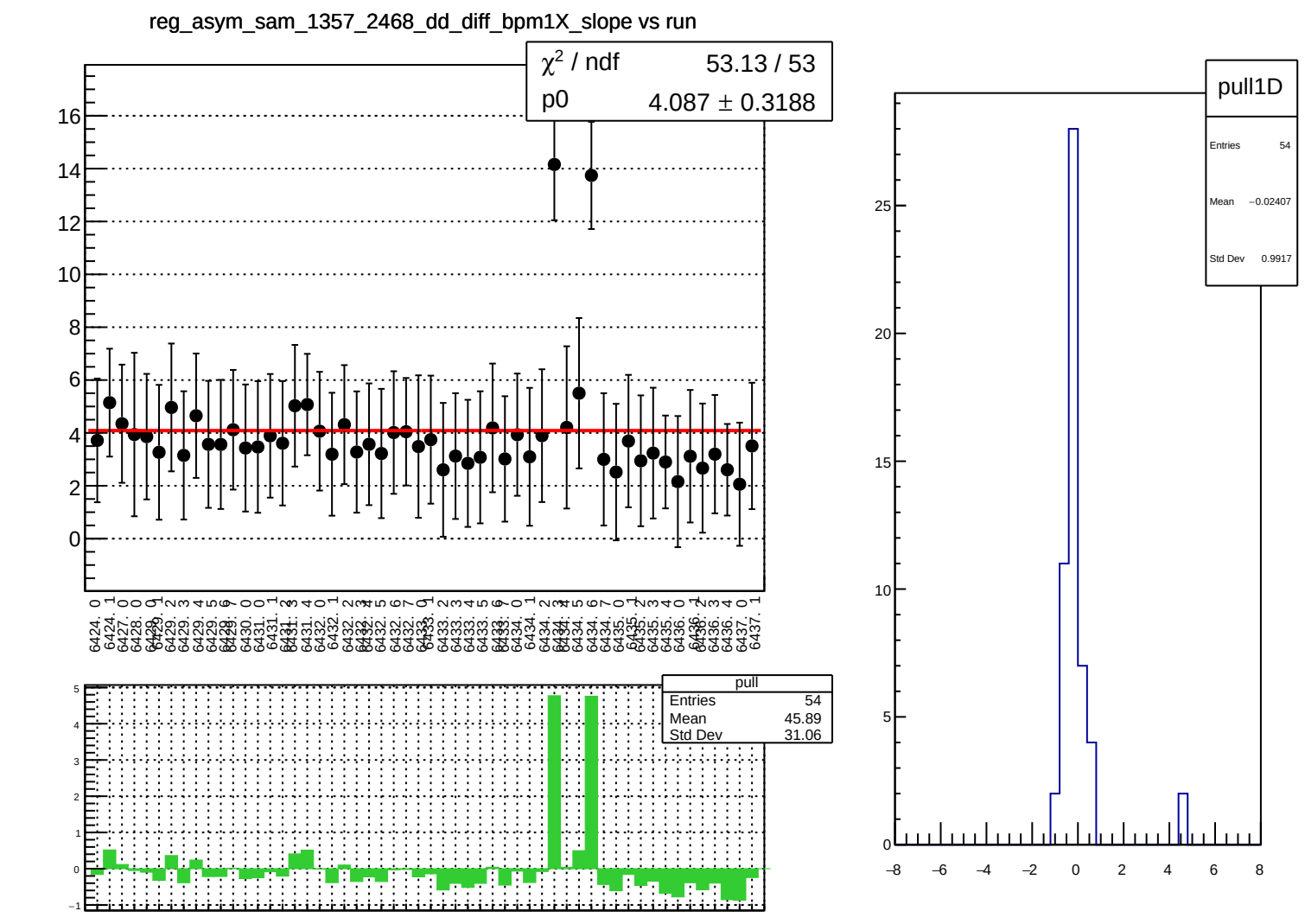

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 65.17 / 53
p0 −13.94 ± 1.269
pull
Entries 54
Mean 80.21
Std Dev 0
pull1D
Entries 54
Mean 0.02044
Std Dev 1.098

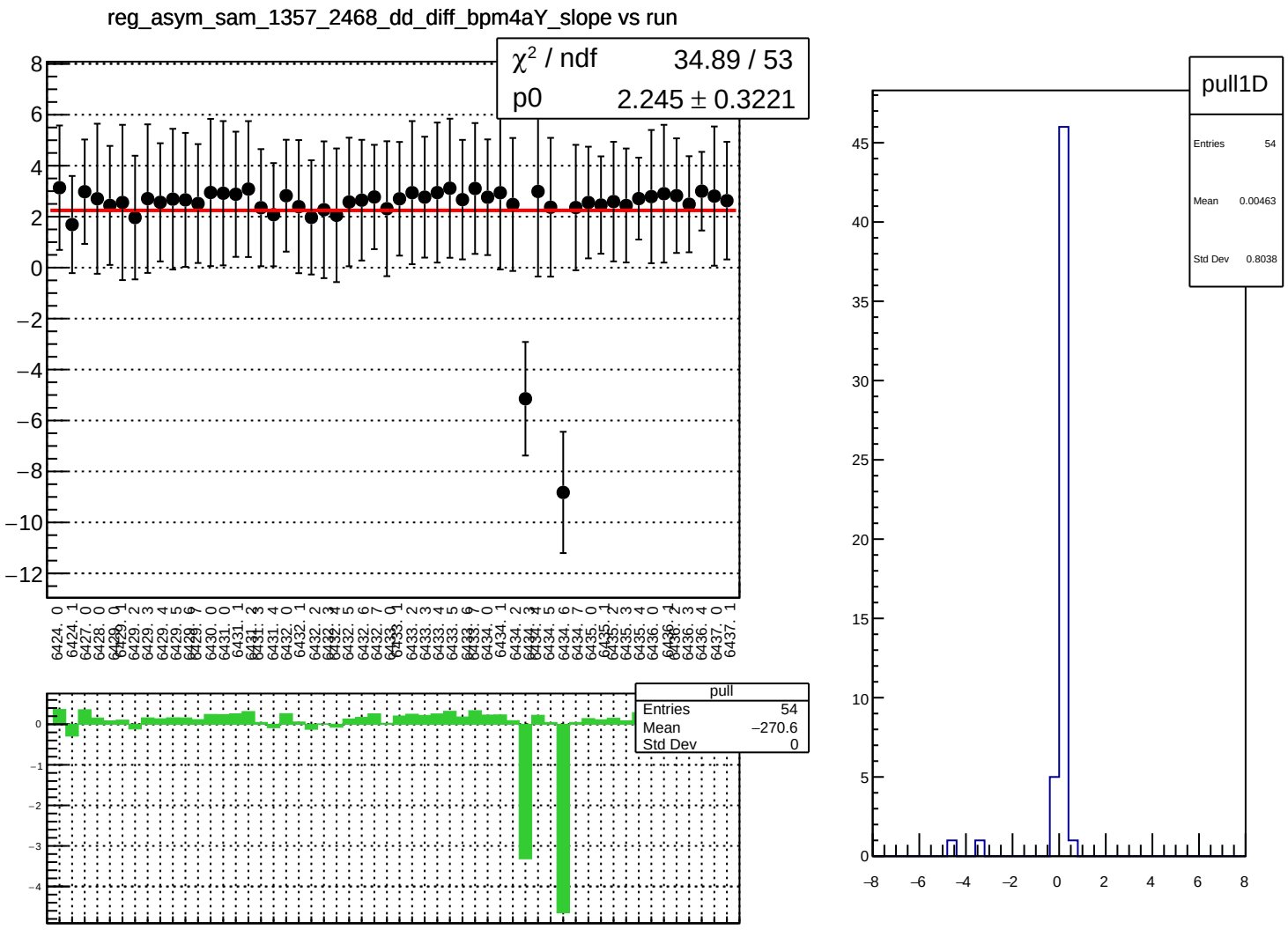

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.25 / 53
p0 −5.988 ± 1.282
pull
Entries 54
Mean 80.89
Std Dev 0
pull1D
Entries 54
Mean 0.01255
Std Dev 0.9254

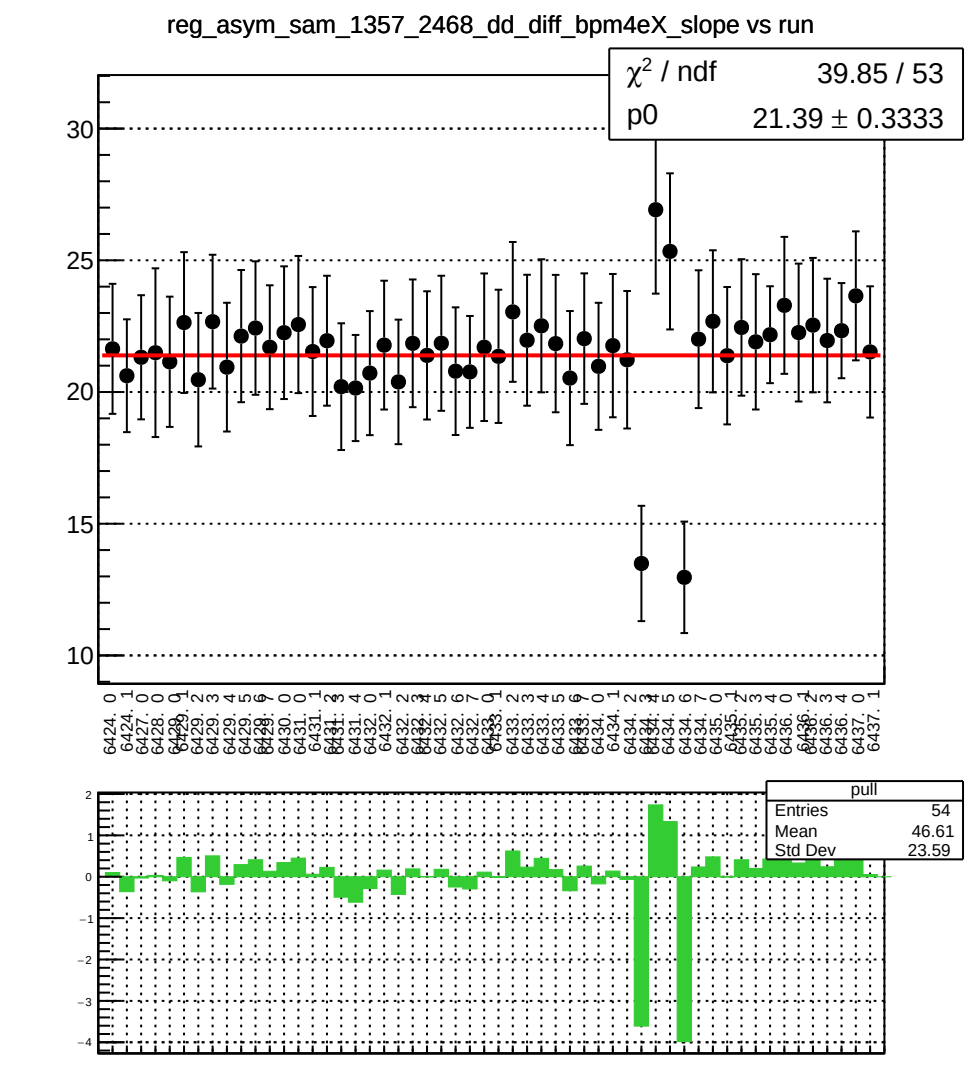

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.64 / 53
p0 −85.7 ± 1.327
pull
Entries 54
Mean 100.8
Std Dev 0
pull1D
Entries 54
Mean −0.04
Std Dev 0.9482

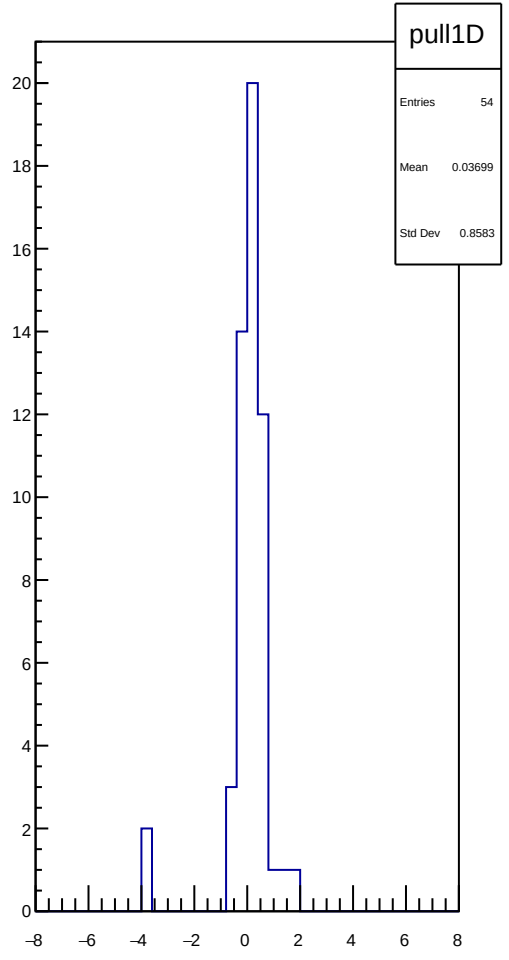

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.83 / 53
p0 49.92 ± 1.307
pull
Entries 54
Mean 208.9
Std Dev 0
pull1D
Entries 54
Mean 0.01662
Std Dev 0.8905

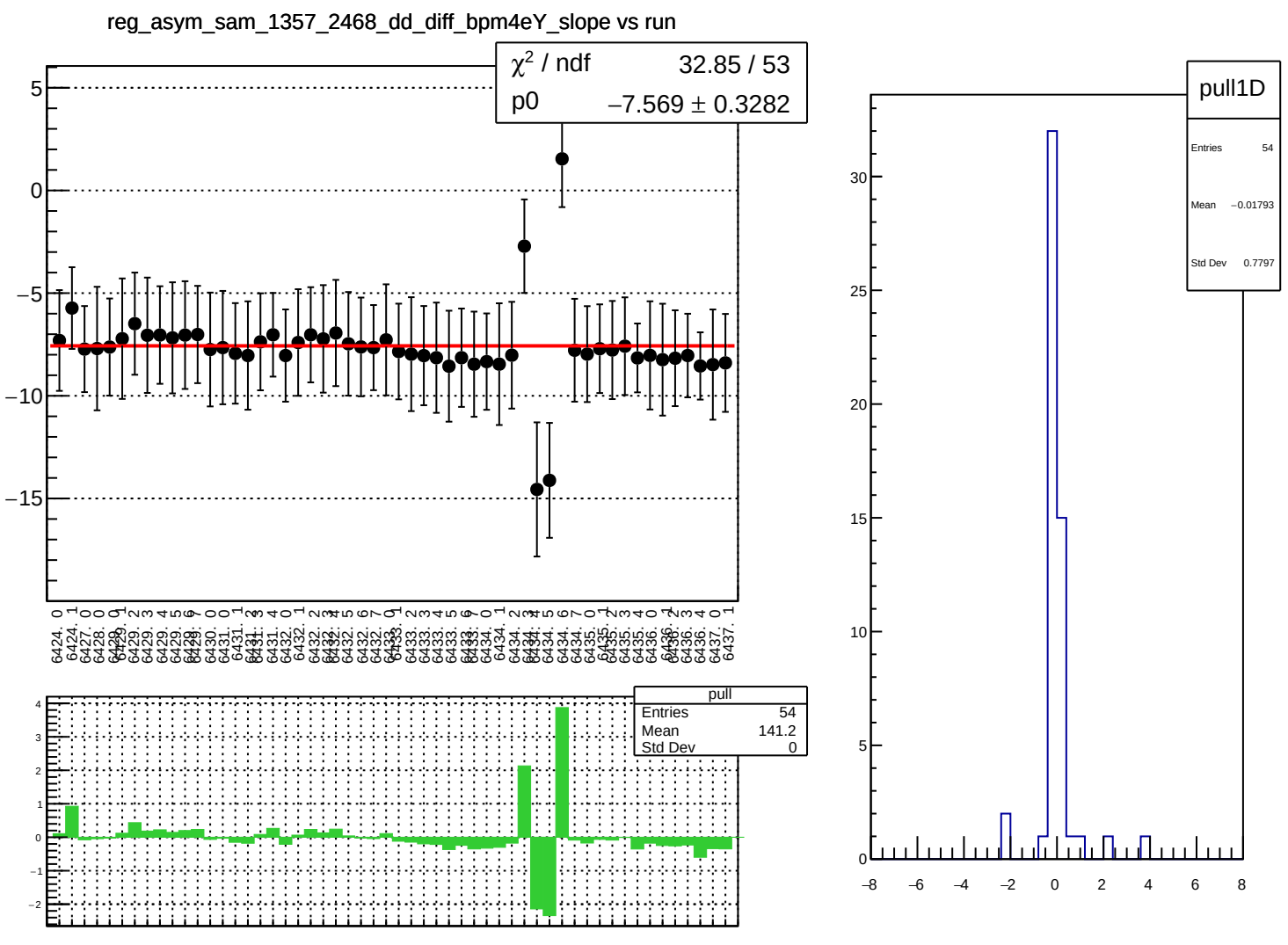

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.332 / 53
p0 0.5103 ± 0.05165
pull
Entries 54
Mean −737.4
Std Dev 0
pull1D
Entries 54
Mean −0.0009305
Std Dev 0.2078

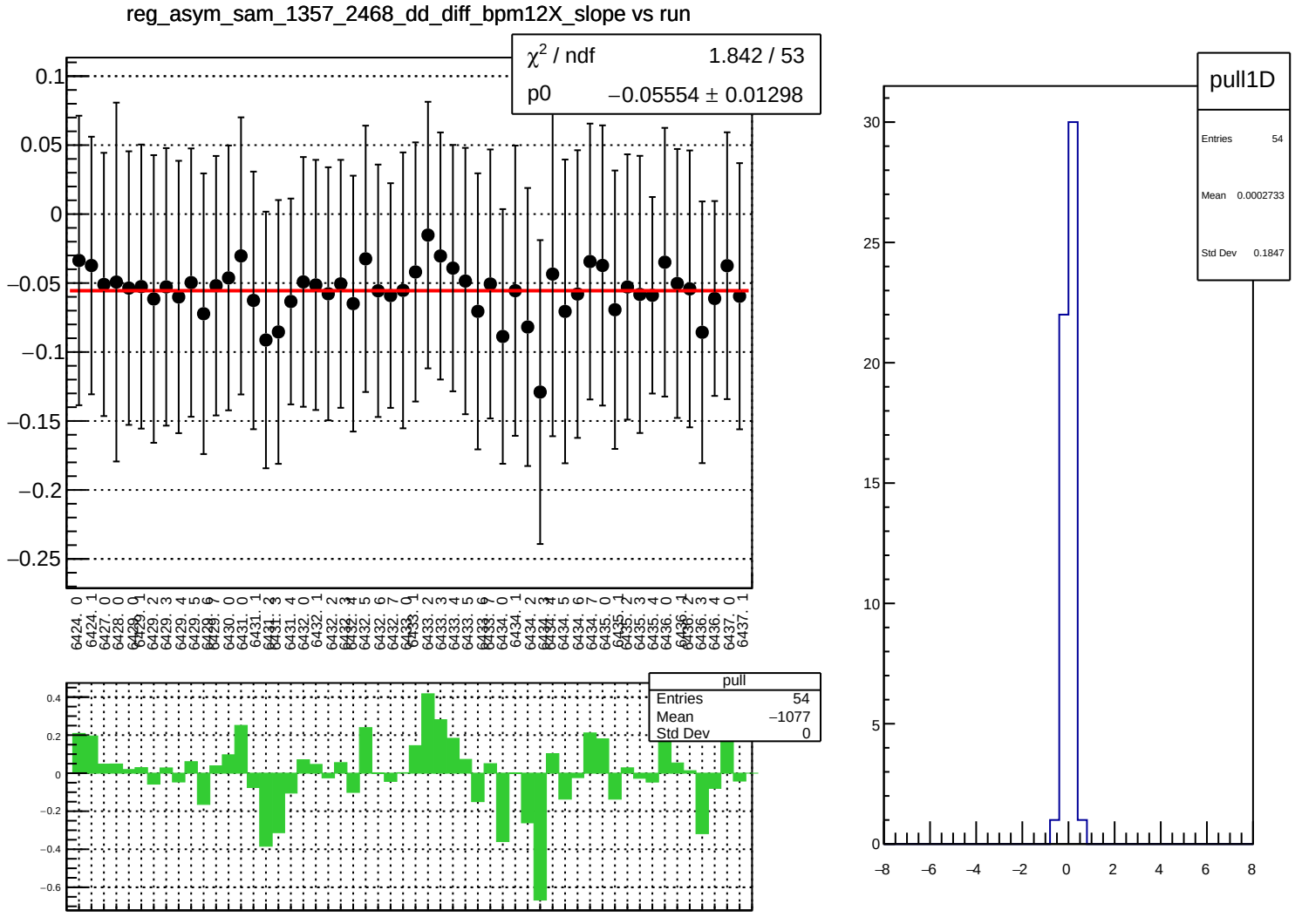

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 53.13 / 53
p0 4.087 ± 0.3188
pull
Entries 54
Mean 45.89
Std Dev 31.06
pull1D
Entries 54
Mean −0.02407
Std Dev 0.9917

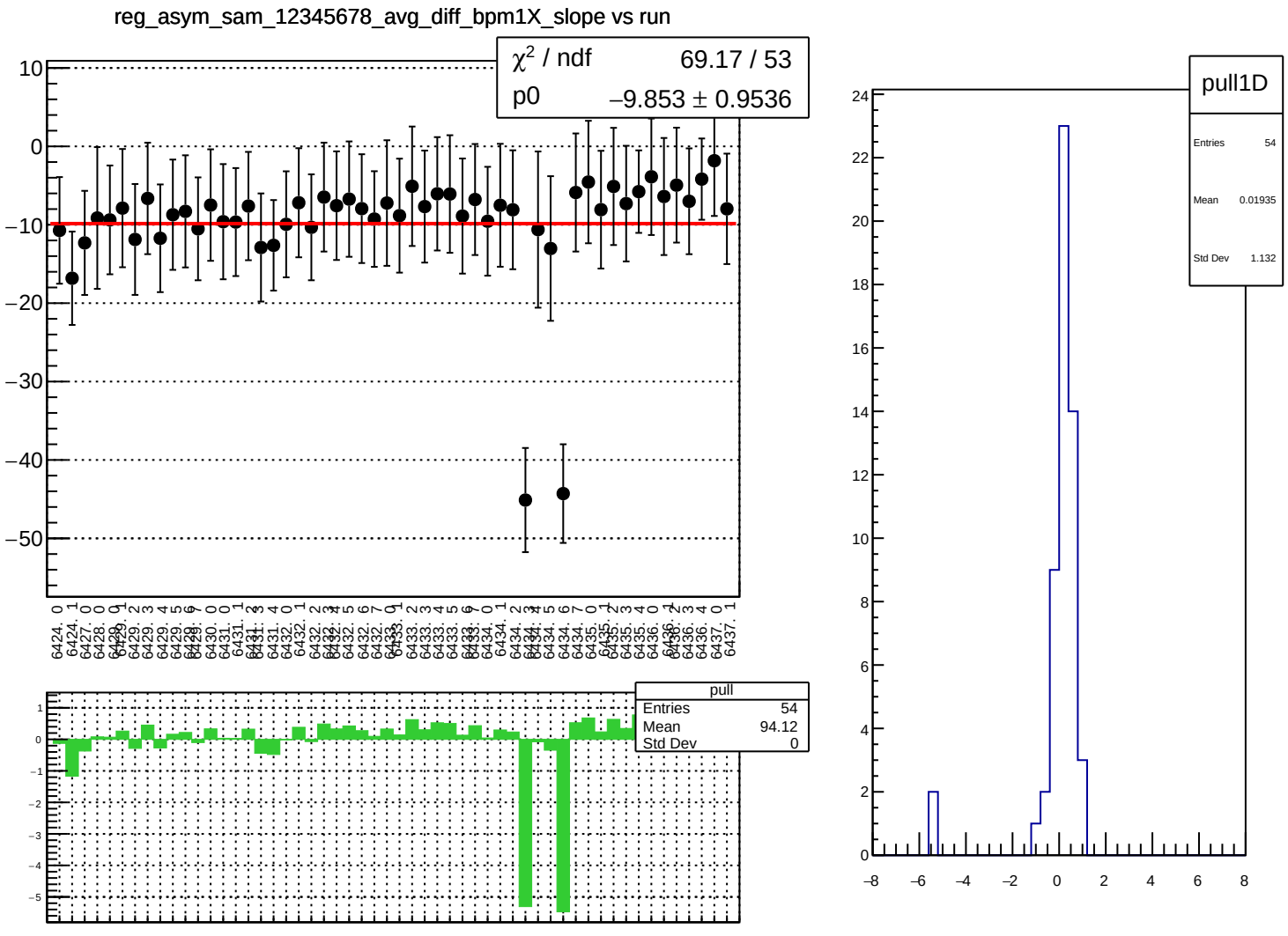

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.89 / 53
p0 2.245 ± 0.3221
pull
Entries 54
Mean −270.6
Std Dev 0
pull1D
Entries 54
Mean 0.00463
Std Dev 0.8038

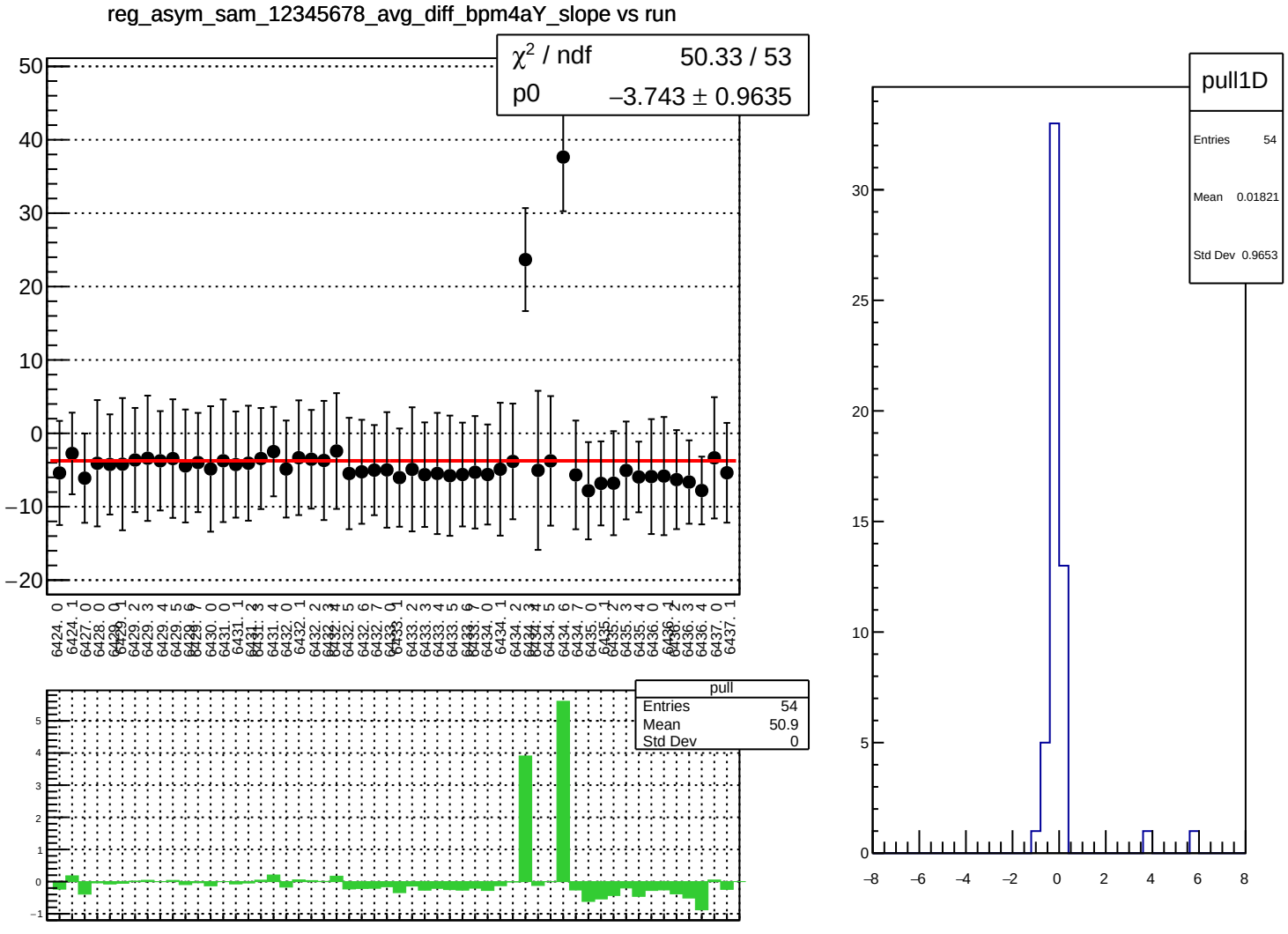

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.85 / 53
p0 21.39 ± 0.3333
pull
Entries 54
Mean 46.61
Std Dev 23.59

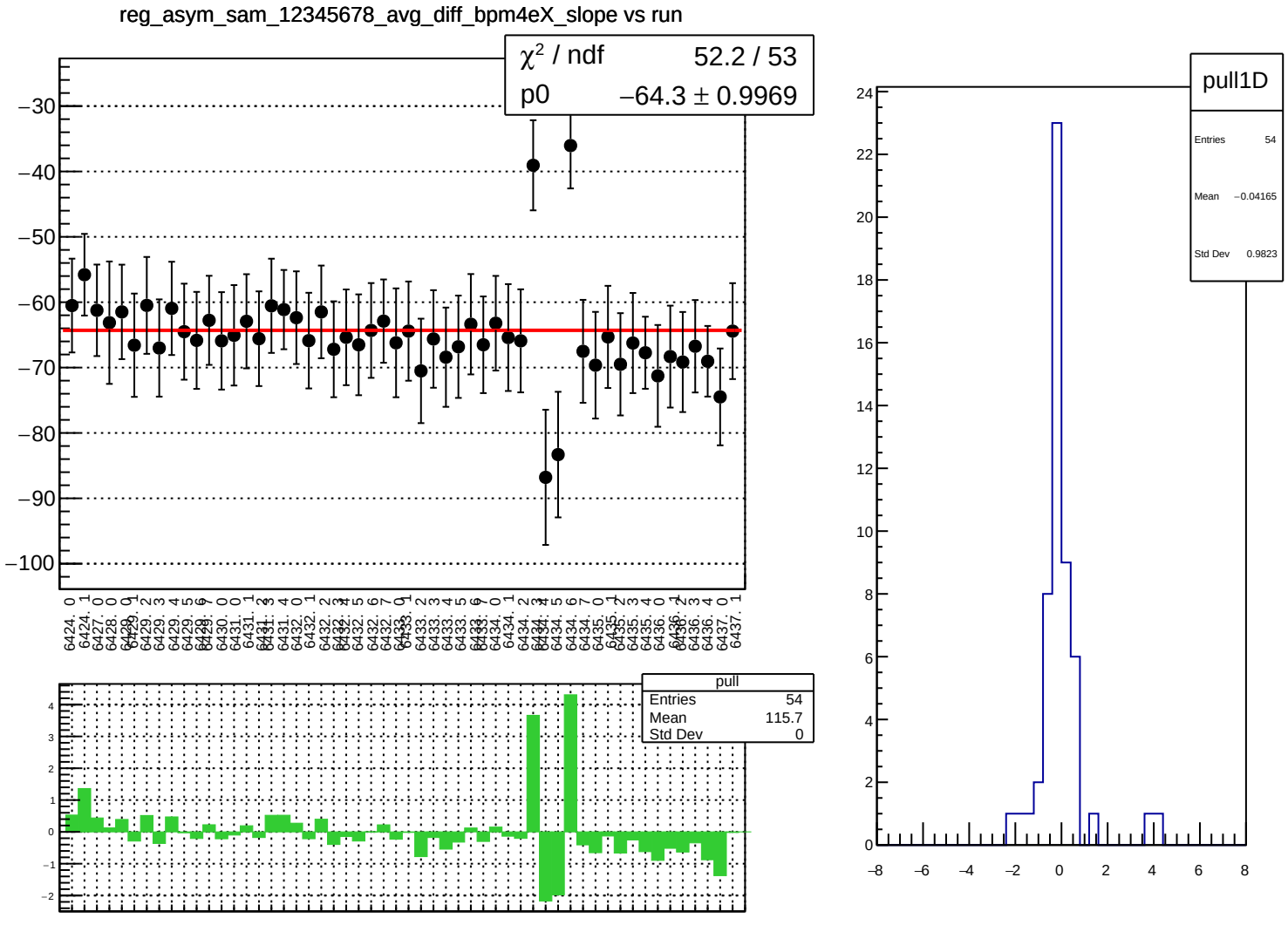

pull1D
Entries 54
Mean 0.03699
Std Dev 0.8583

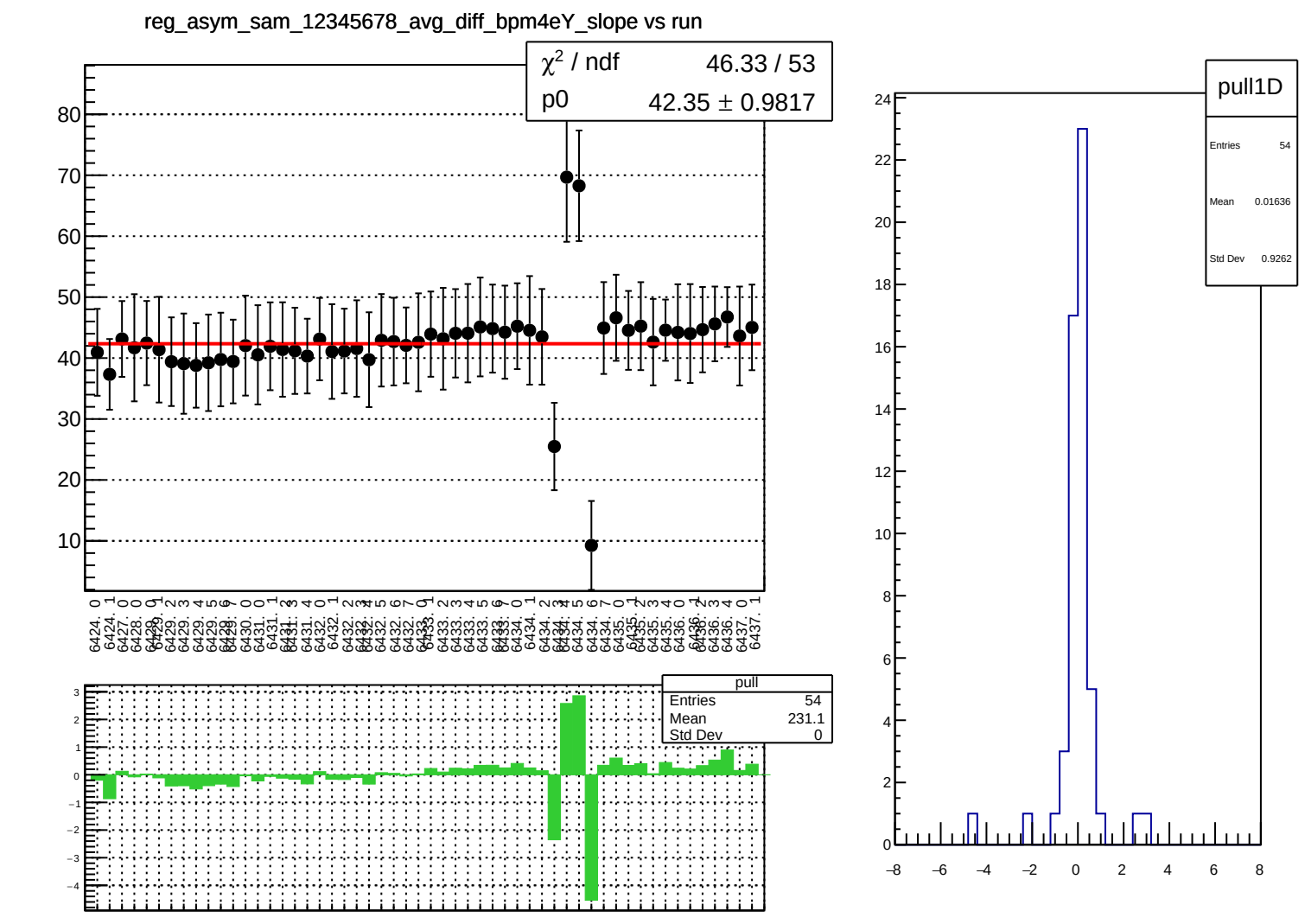

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.85 / 53
p0 −7.569 ± 0.3282
pull
Entries 54
Mean 141.2
Std Dev 0
pull1D
Entries 54
Mean −0.01793
Std Dev 0.7797

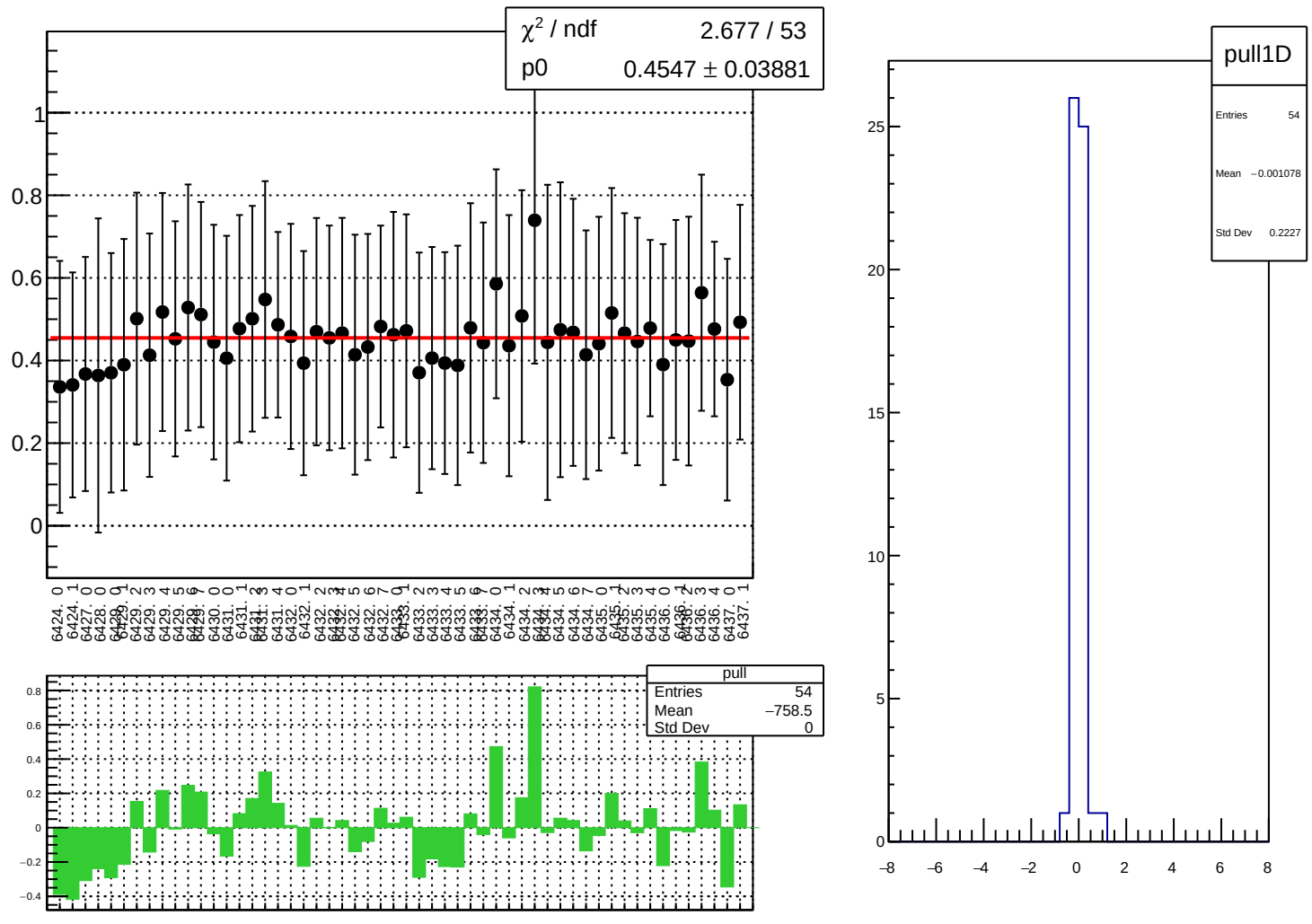

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.842 / 53
p0 −0.05554 ± 0.01298
pull
Entries 54
Mean −1077
Std Dev 0
pull1D
Entries 54
Mean 0.0002733
Std Dev 0.1847

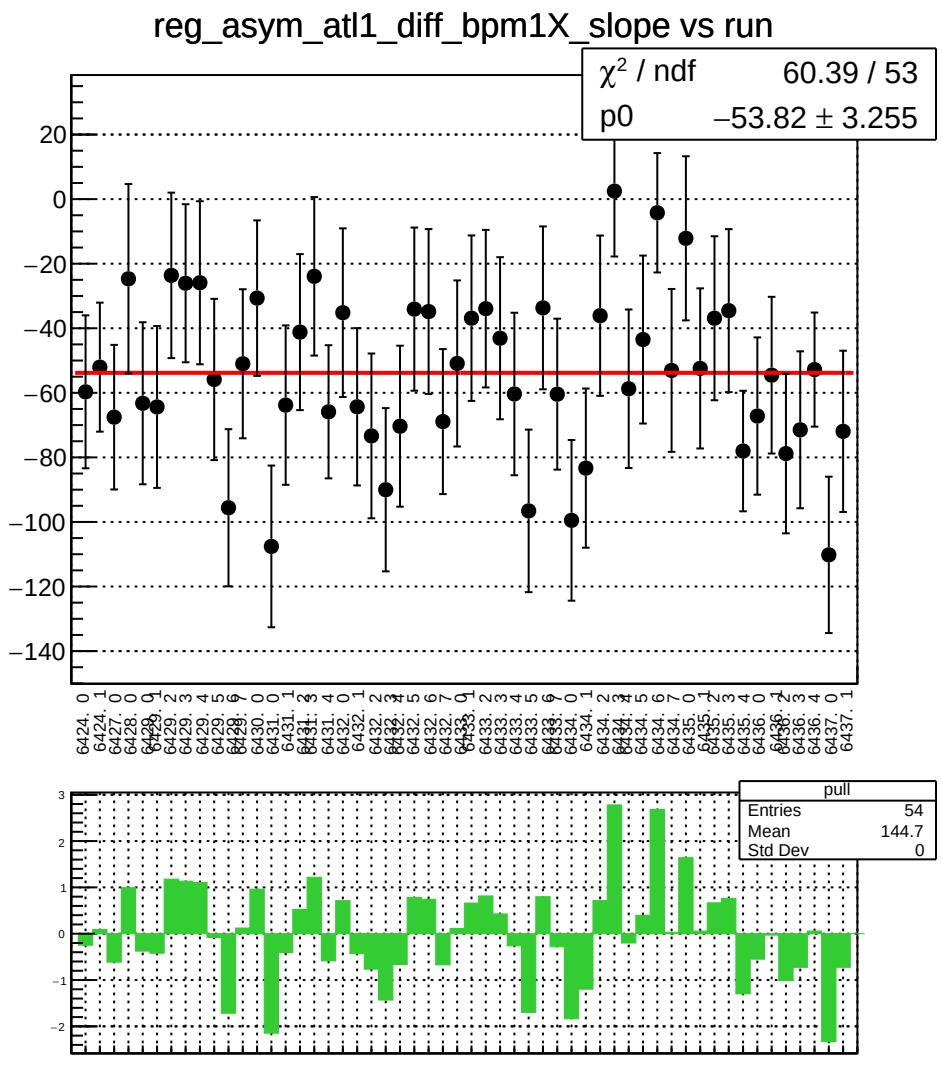

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 69.17 / 53
p0 −9.853 ± 0.9536
pull
Entries 54
Mean 94.12
Std Dev 0
pull1D
Entries 54
Mean 0.01935
Std Dev 1.132

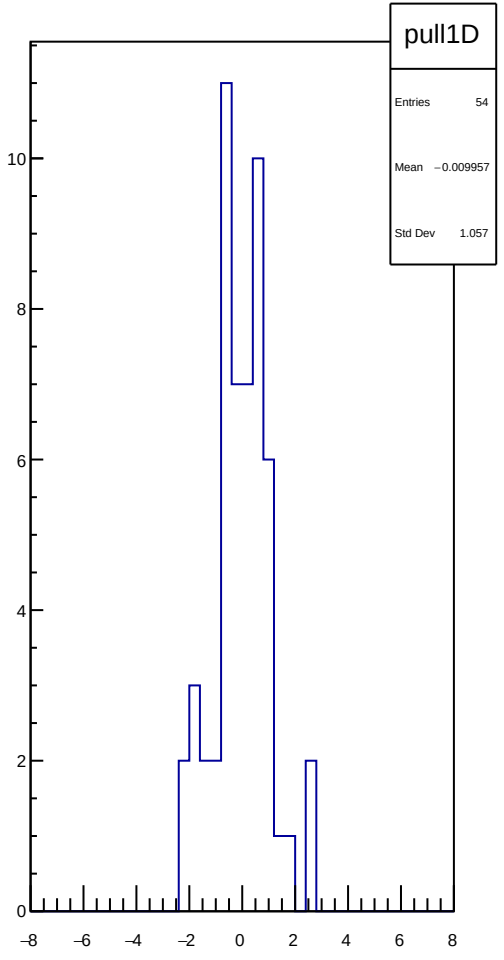

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.33 / 53
p0 −3.743 ± 0.9635
pull
Entries 54
Mean 50.9
Std Dev 0
pull1D
Entries 54
Mean 0.01821
Std Dev 0.9653

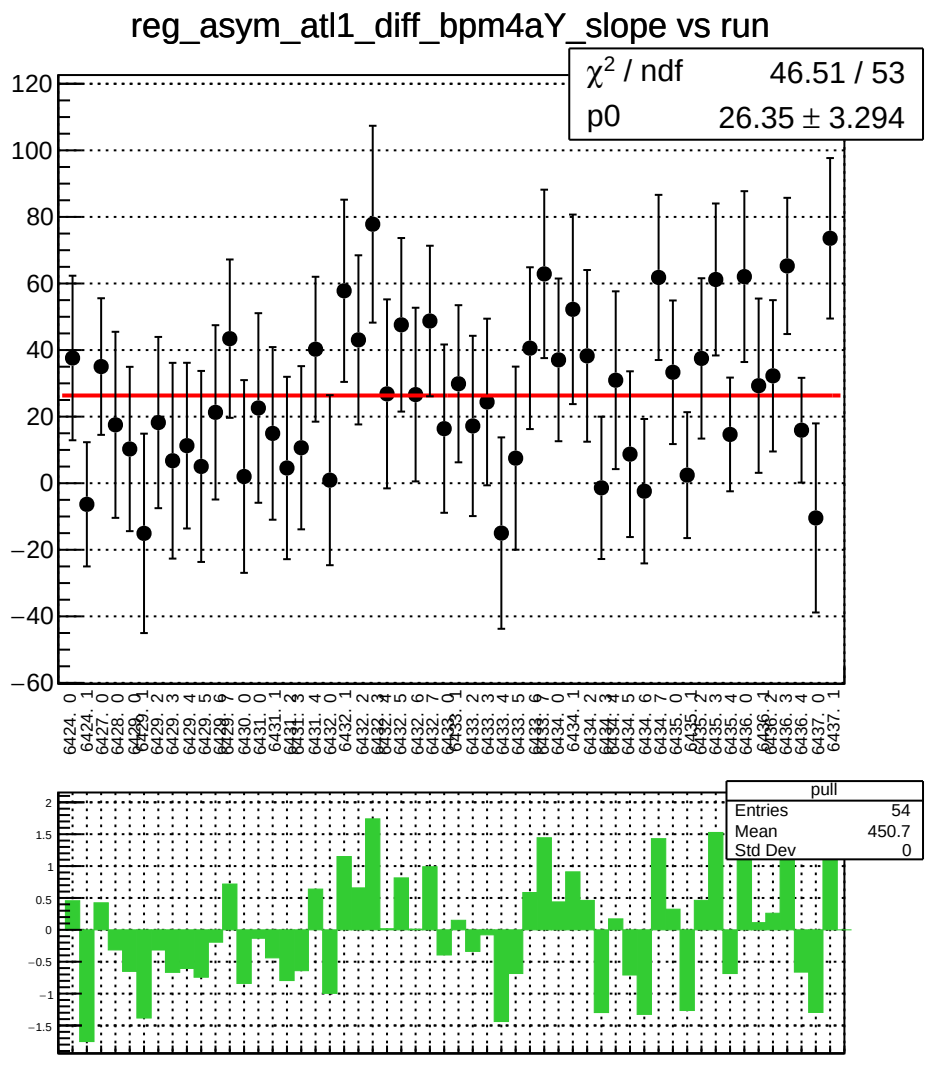

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.2 / 53
p0 −64.3 ± 0.9969
pull
Entries 54
Mean 115.7
Std Dev 0
pull1D
Entries 54
Mean −0.04165
Std Dev 0.9823

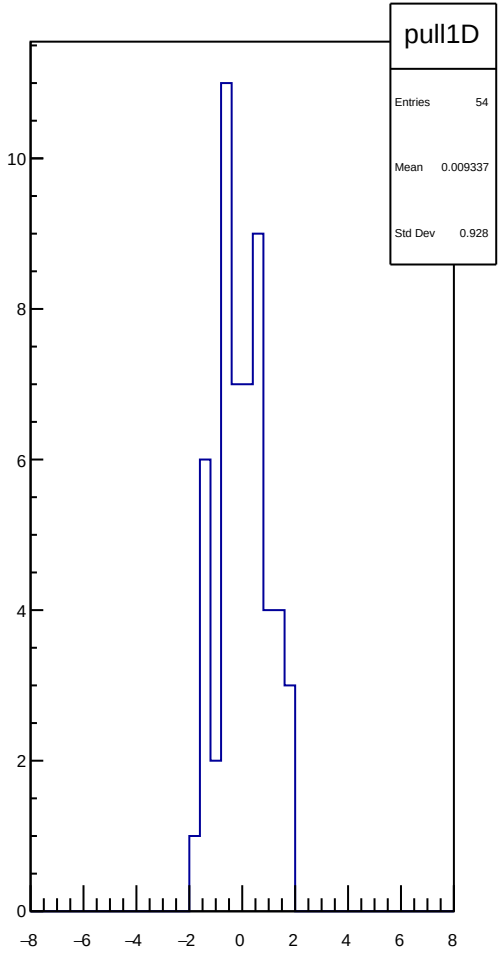

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.33 / 53
p0 42.35 ± 0.9817
pull
Entries 54
Mean 231.1
Std Dev 0
pull1D
Entries 54
Mean 0.01636
Std Dev 0.9262

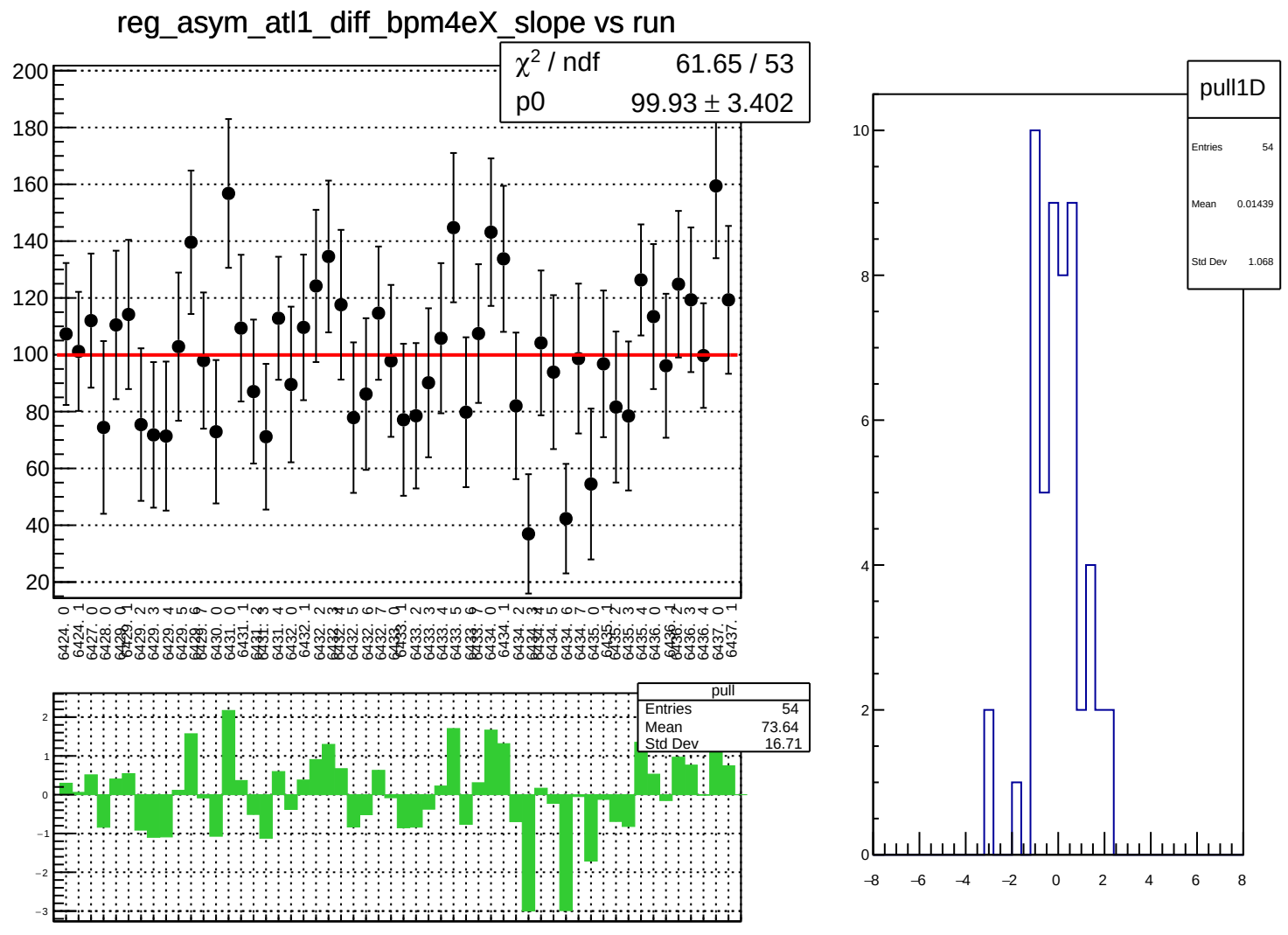

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.677 / 53
p0 0.4547 ± 0.03881
pull
Entries 54
Mean −758.5
Std Dev 0
pull1D
Entries 54
Mean −0.001078
Std Dev 0.2227

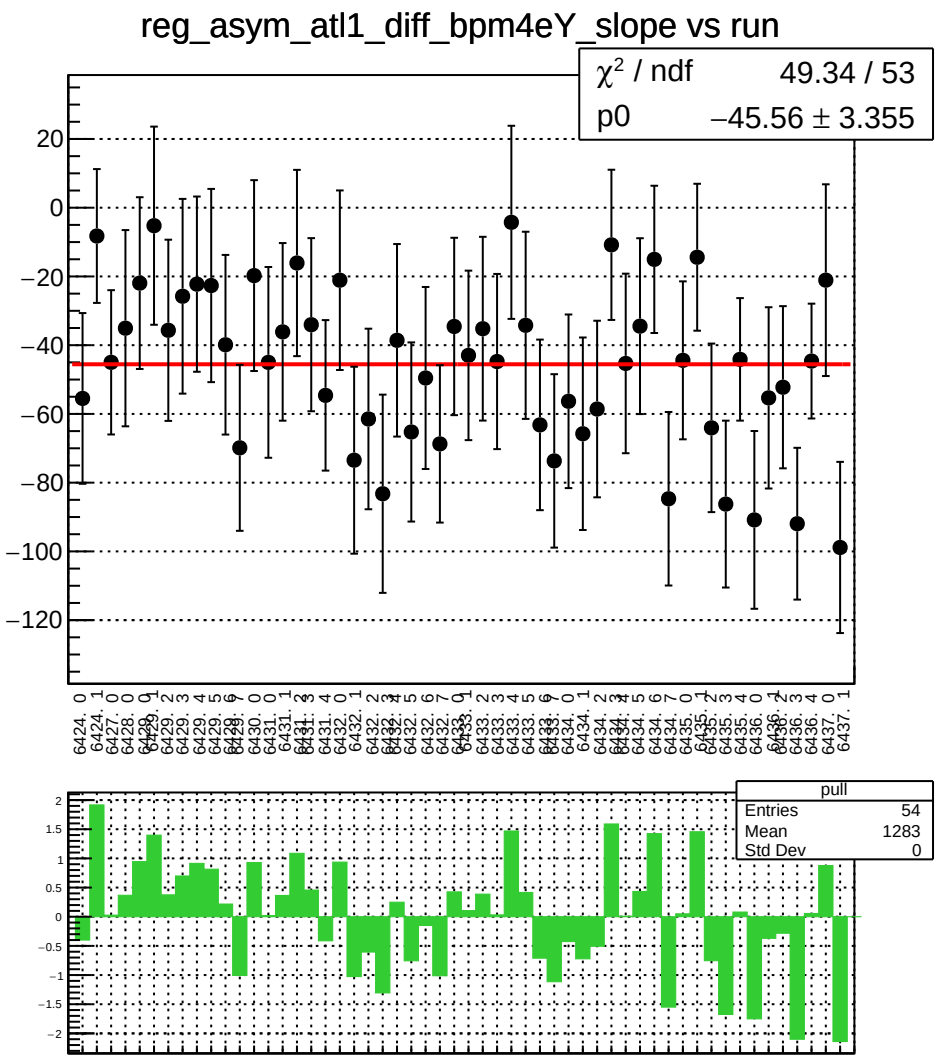

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 60.39 / 53
p0 −53.82 ± 3.255
pull
Entries 54
Mean 144.7
Std Dev 0

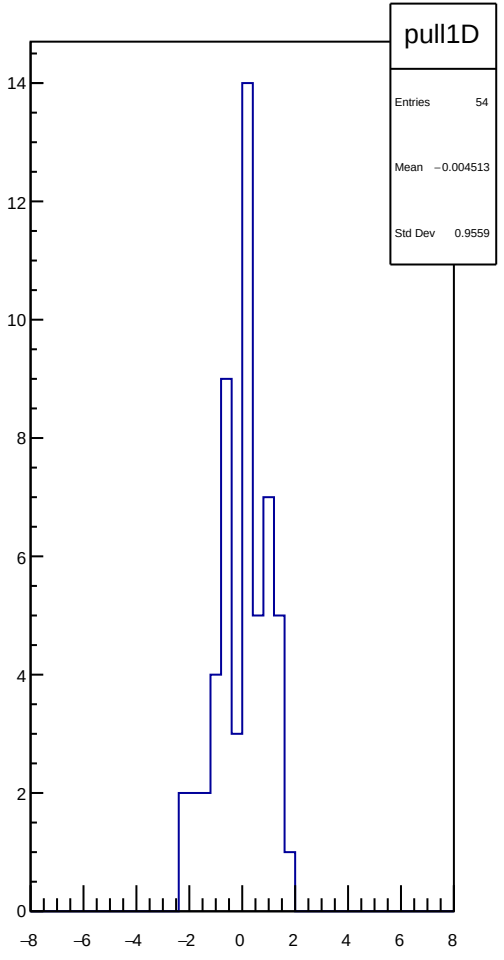

pull1D
Entries 54
Mean −0.009957
Std Dev 1.057

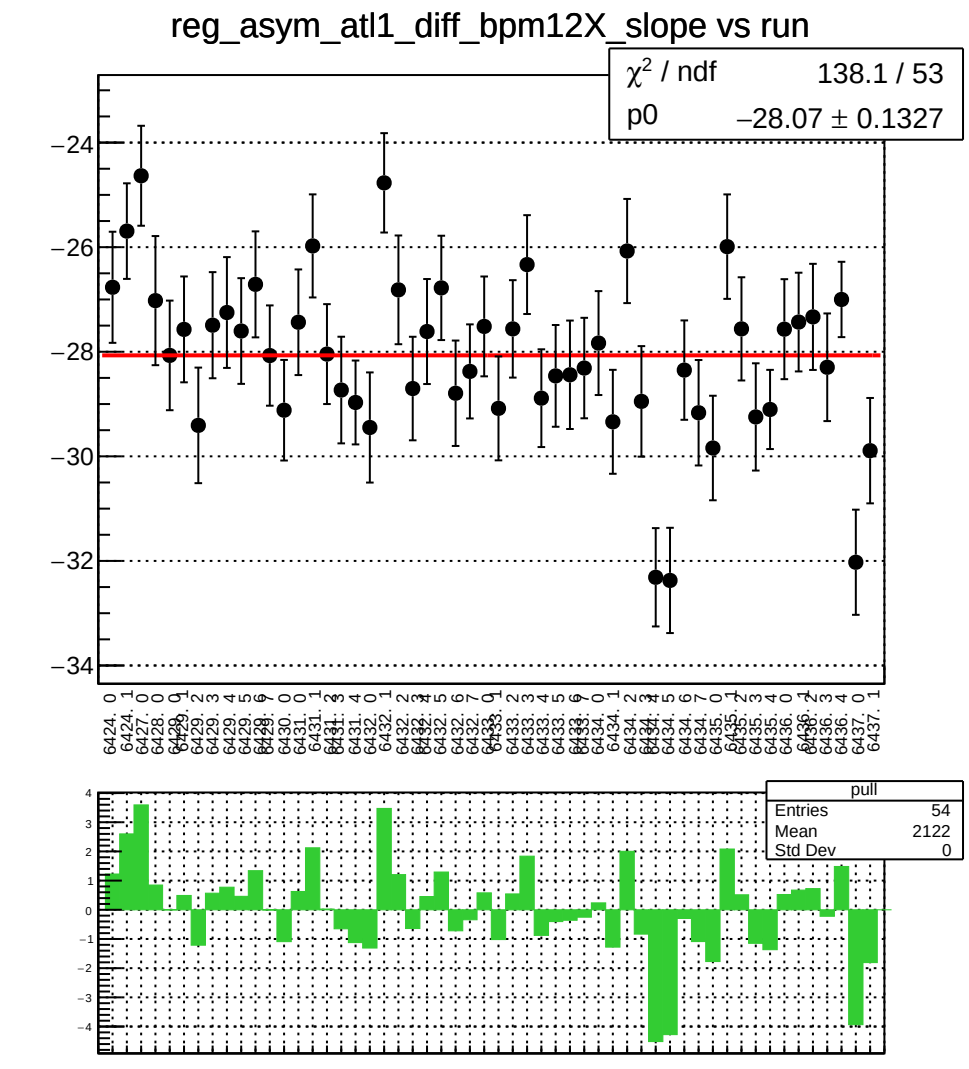

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 46.51 / 53
p0 26.35 ± 3.294
pull
Entries 54
Mean 450.7
Std Dev 0

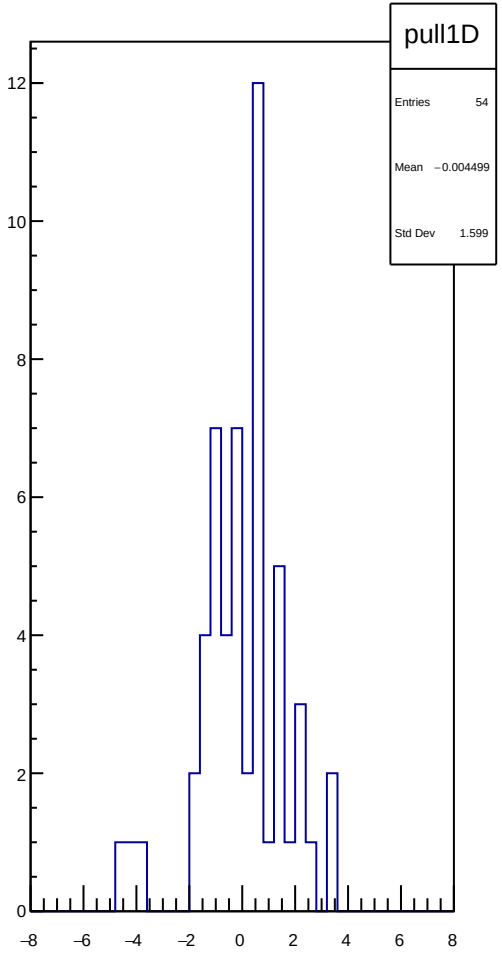

pull1D
Entries 54
Mean 0.009337
Std Dev 0.928

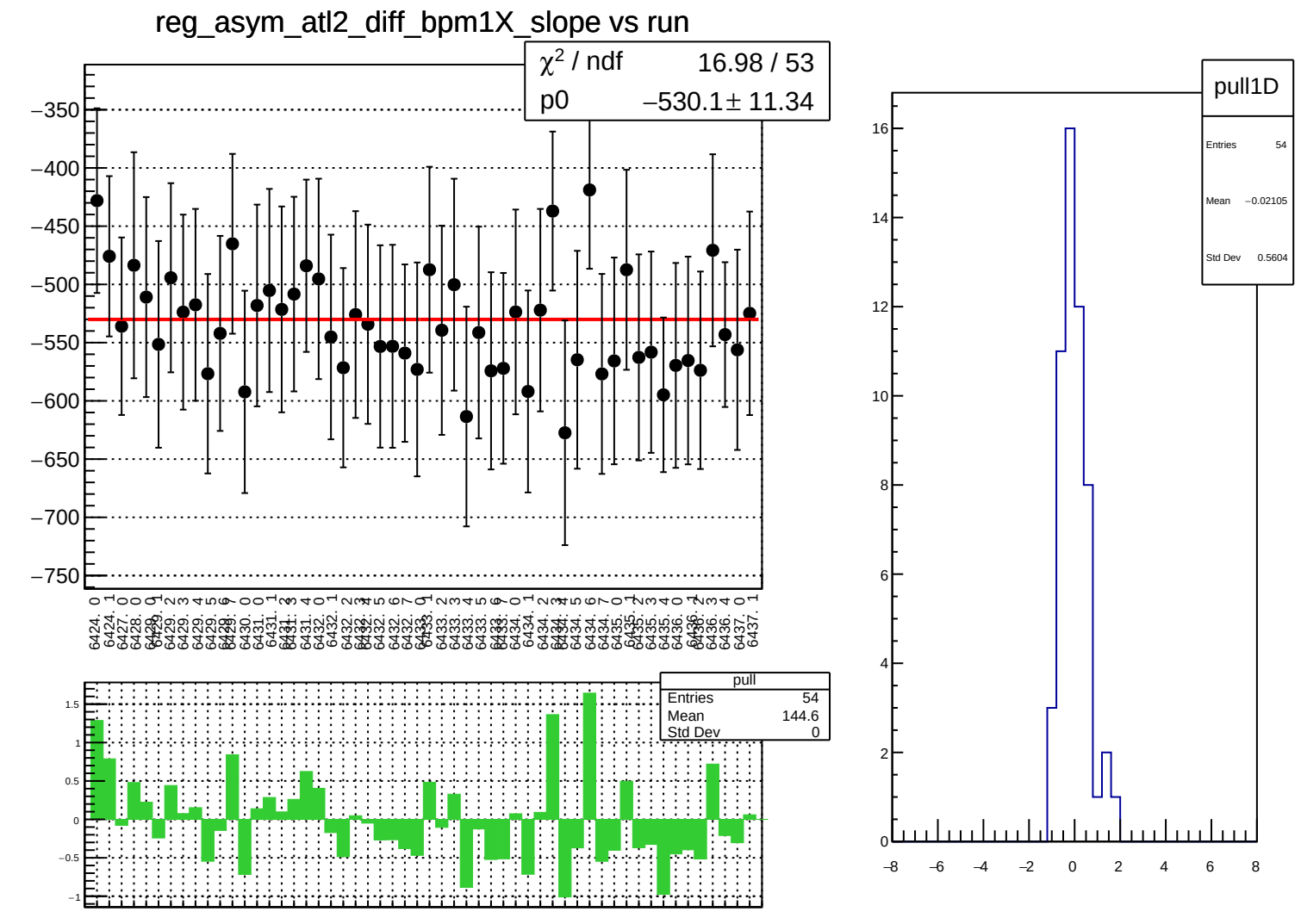

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 61.65 / 53
p0 99.93 ± 3.402
pull
Entries 54
Mean 73.64
Std Dev 16.71
pull1D
Entries 54
Mean 0.01439
Std Dev 1.068

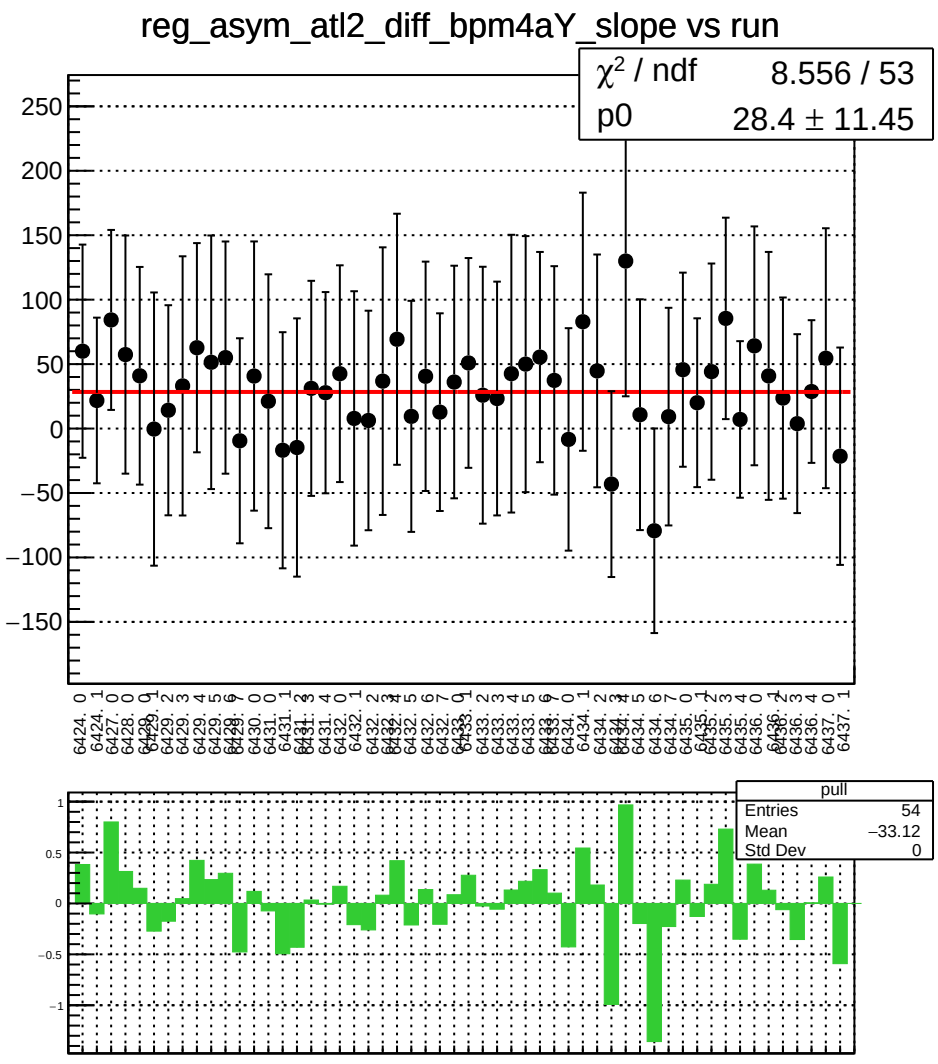

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.34 / 53
p0 −45.56 ± 3.355
pull
Entries 54
Mean 1283
Std Dev 0

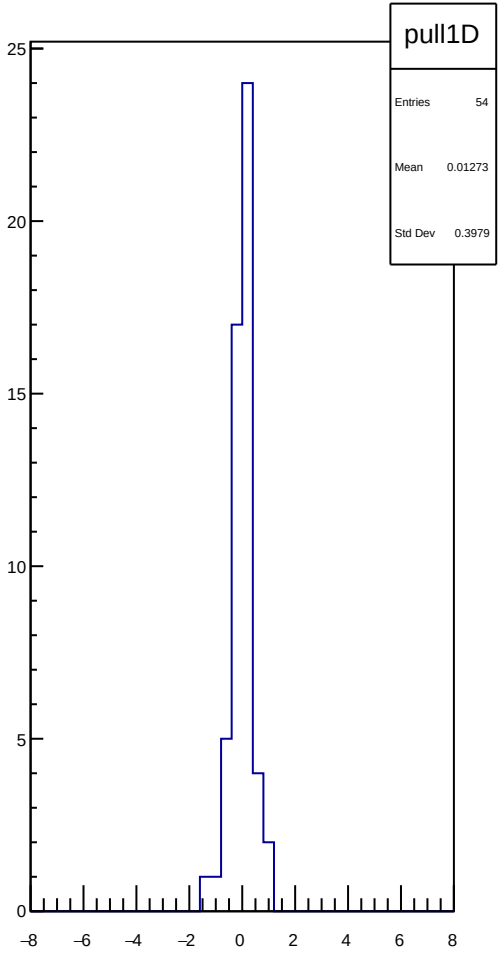

pull1D
Entries 54
Mean −0.004513
Std Dev 0.9559

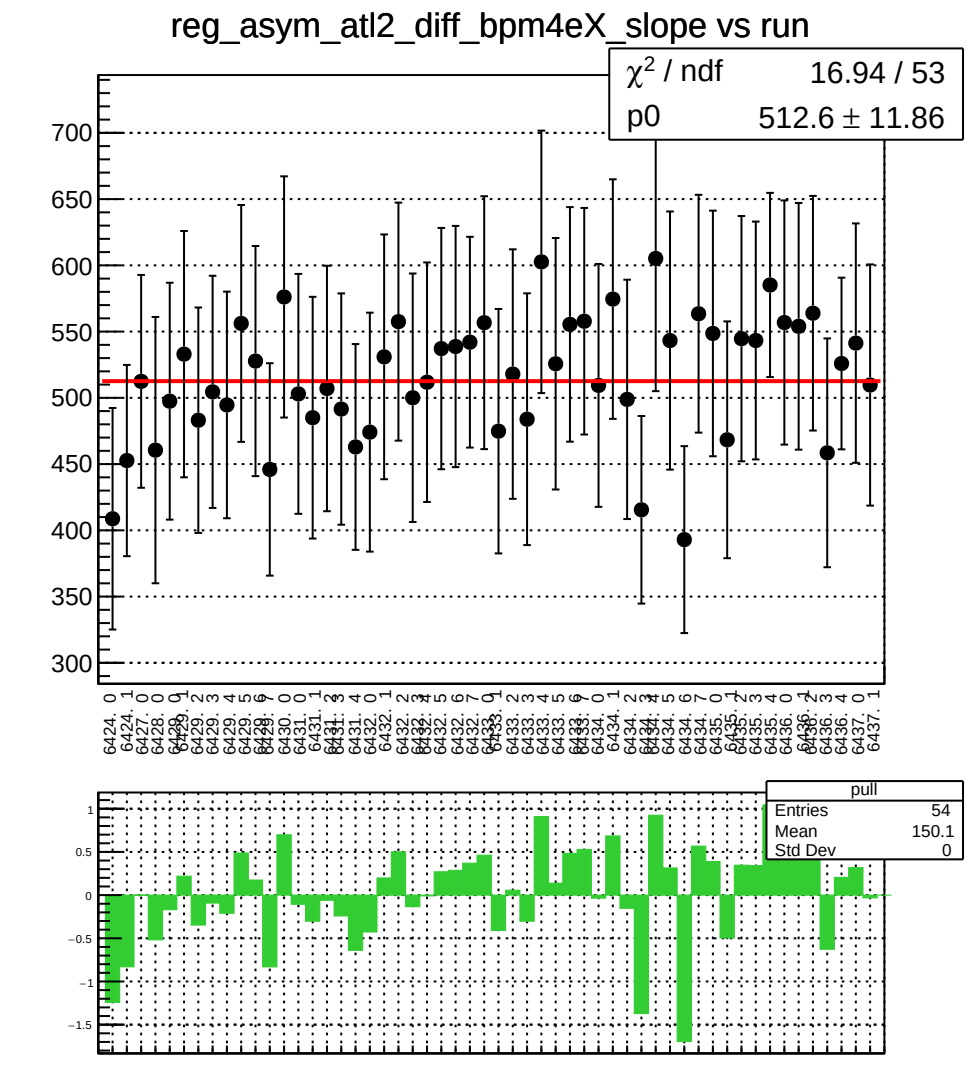

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 138.1 / 53
p0 −28.07 ± 0.1327
pull
Entries 54
Mean 2122
Std Dev 0

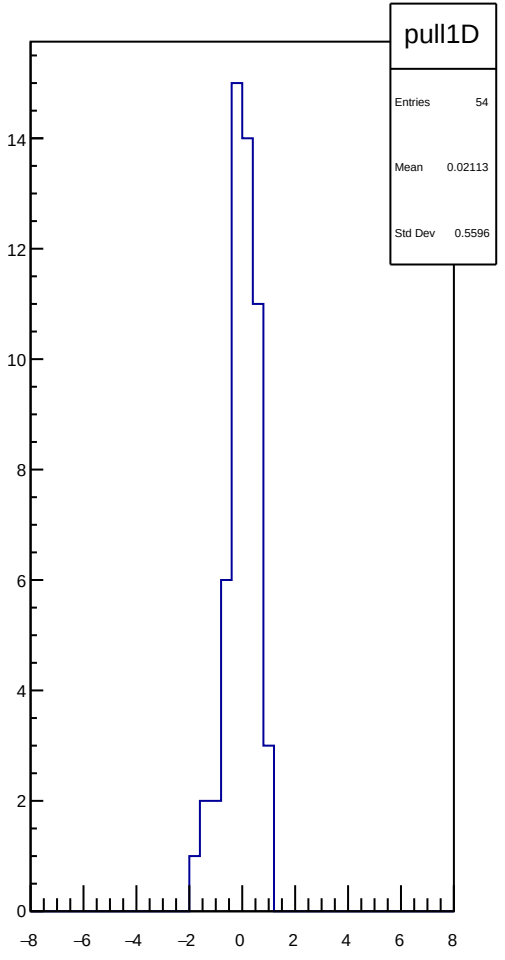

pull1D
Entries 54
Mean −0.004499
Std Dev 1.599

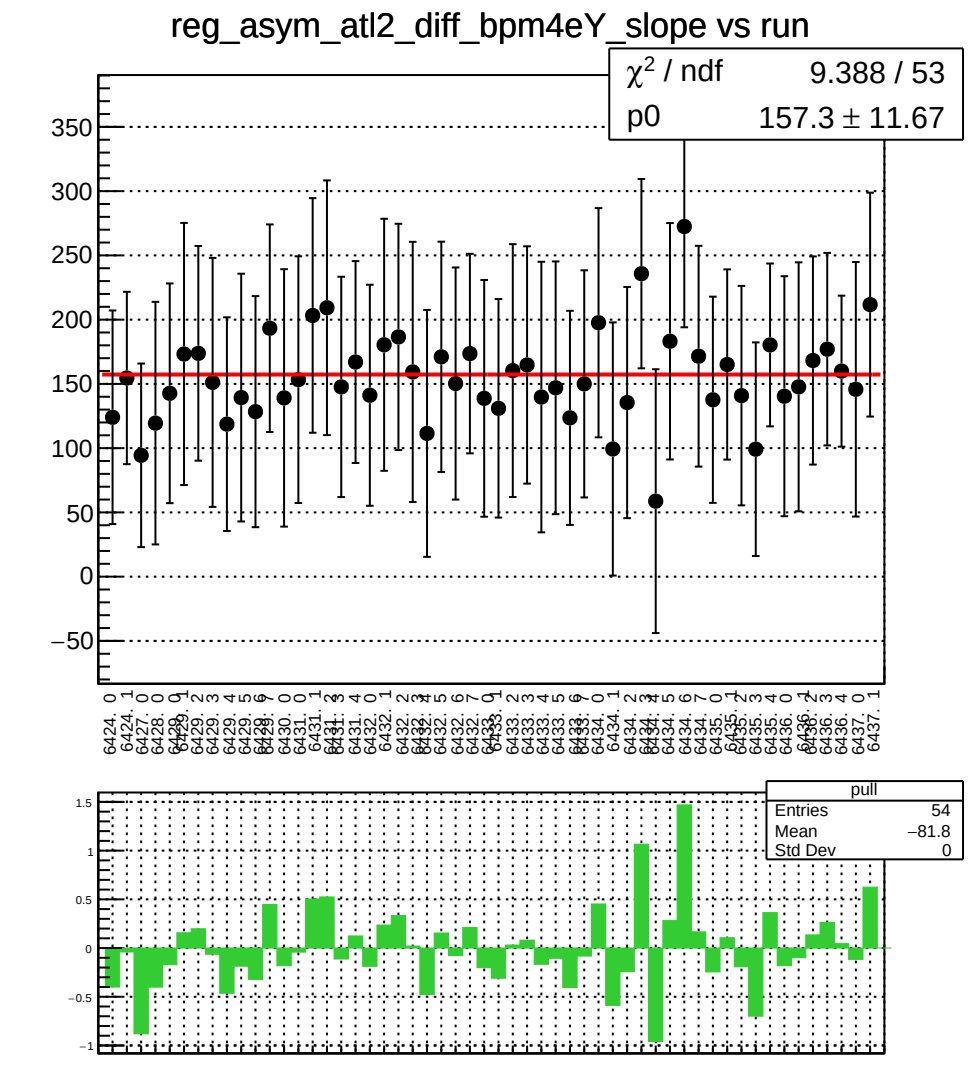

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 16.98 / 53
p0 −530.1± 11.34
pull
Entries 54
Mean 144.6
Std Dev 0
pull1D
Entries 54
Mean −0.02105
Std Dev 0.5604

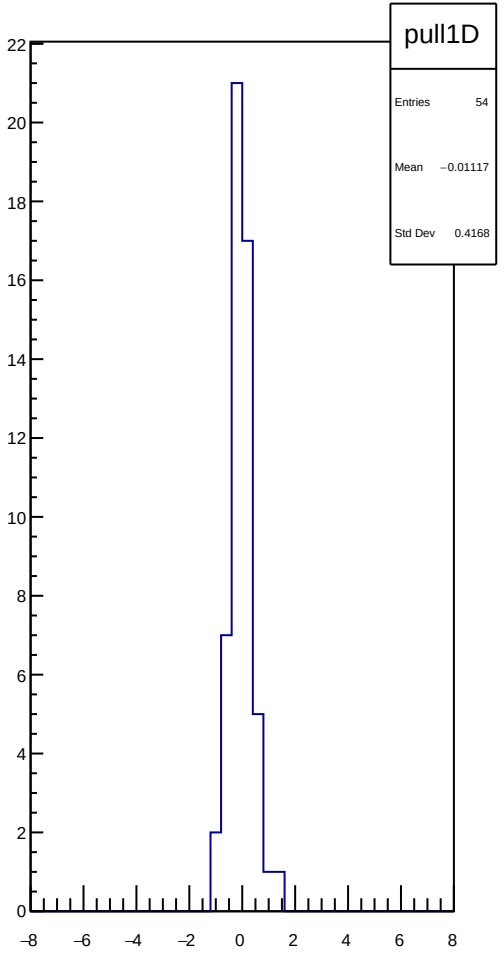

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.556 / 53
p0 28.4 ± 11.45
pull
Entries 54
Mean −33.12
Std Dev 0

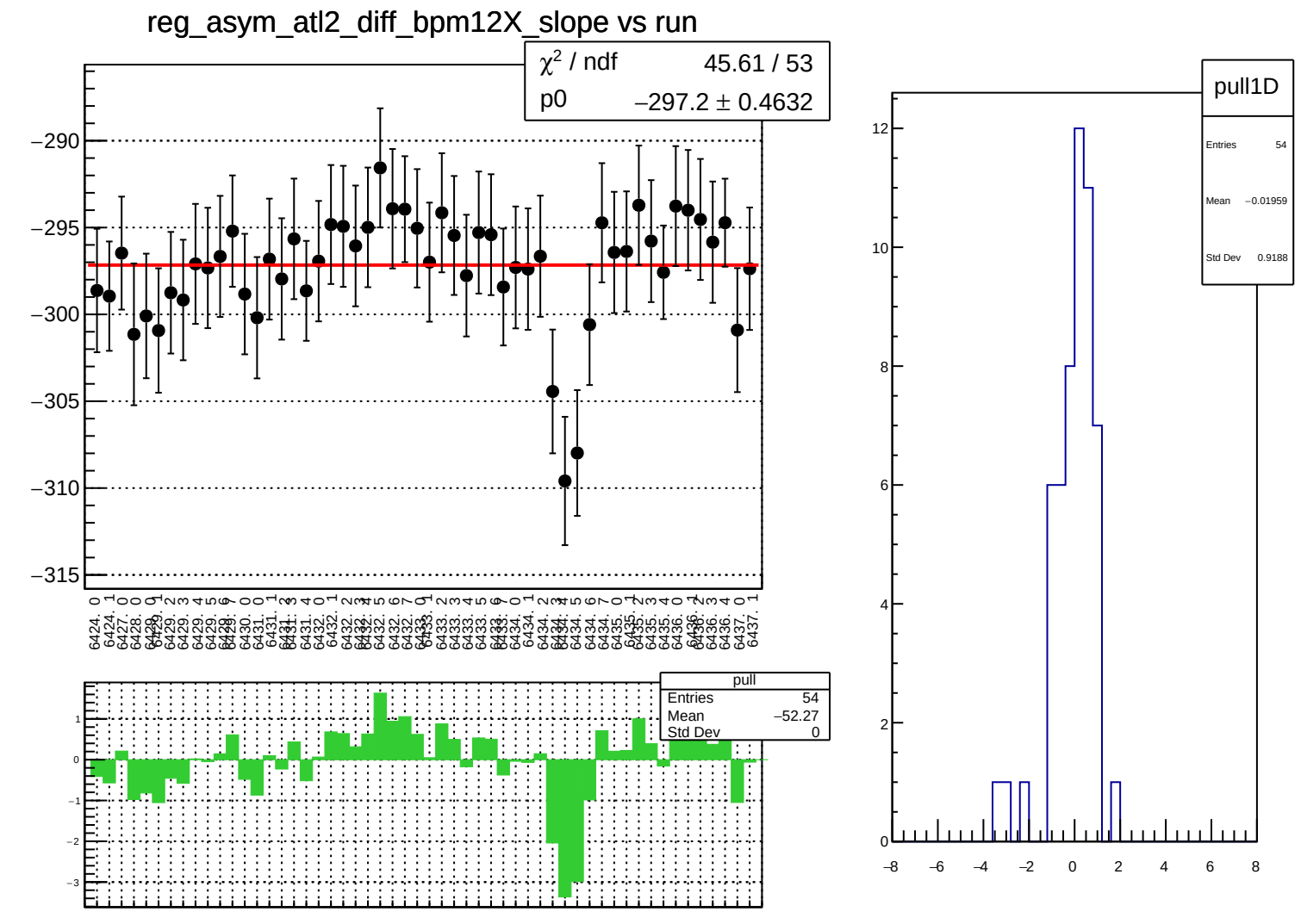

pull1D
Entries 54
Mean 0.01273
Std Dev 0.3979

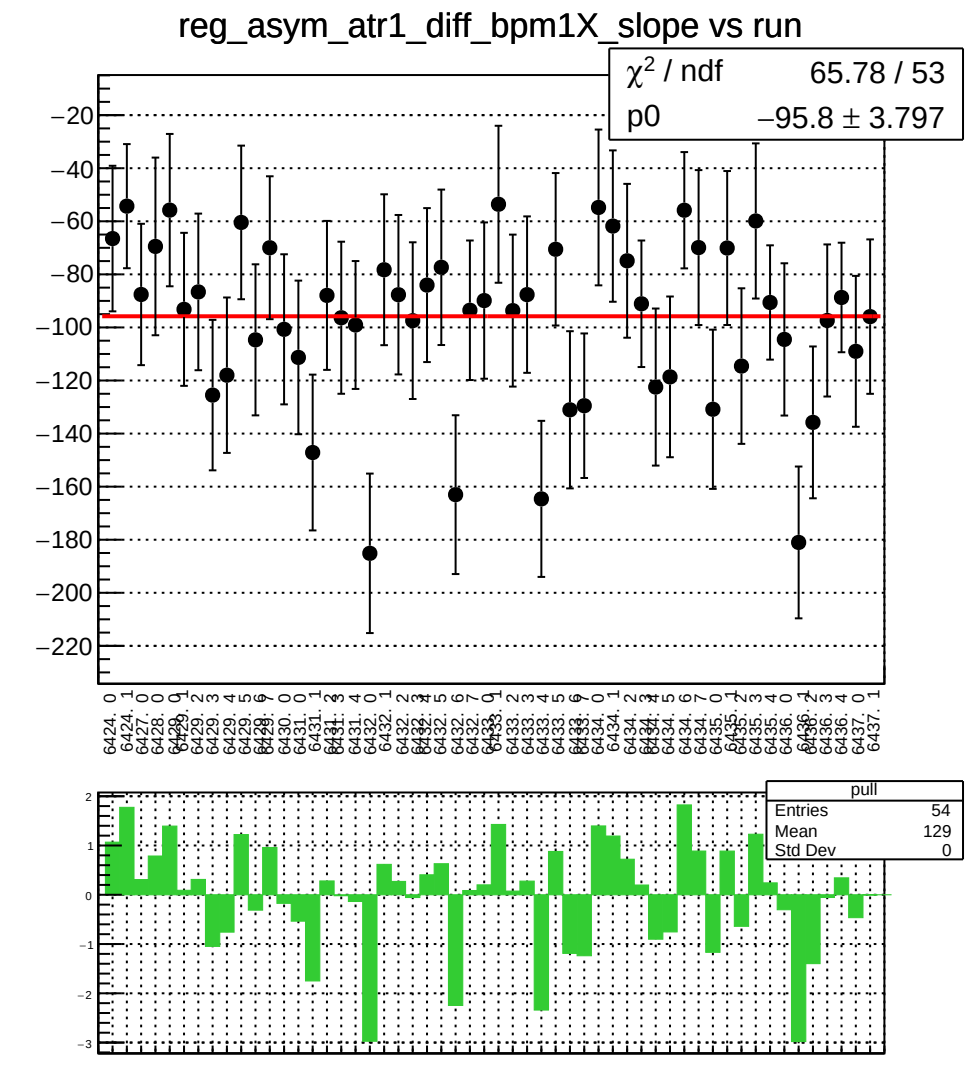

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 16.94 / 53
p0 512.6 ± 11.86
pull
Entries 54
Mean 150.1
Std Dev 0

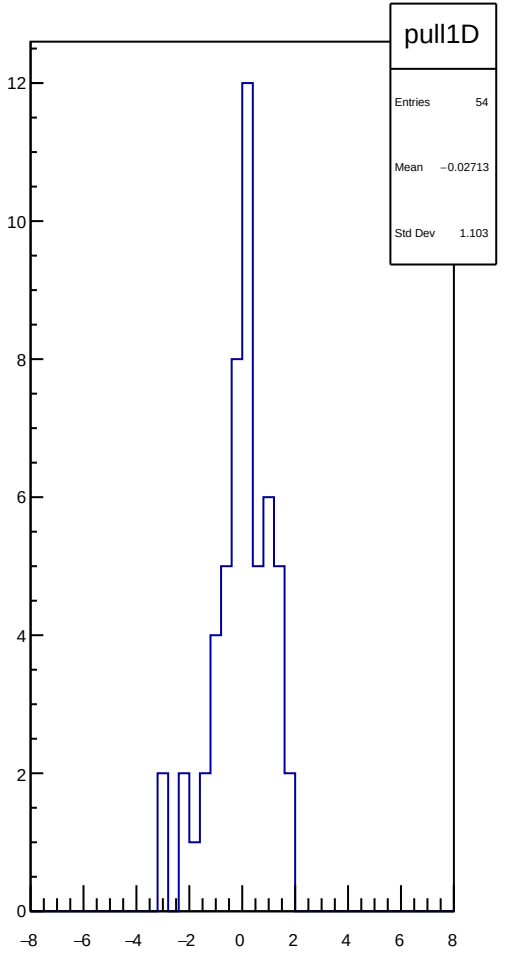

pull1D
Entries 54
Mean 0.02113
Std Dev 0.5596

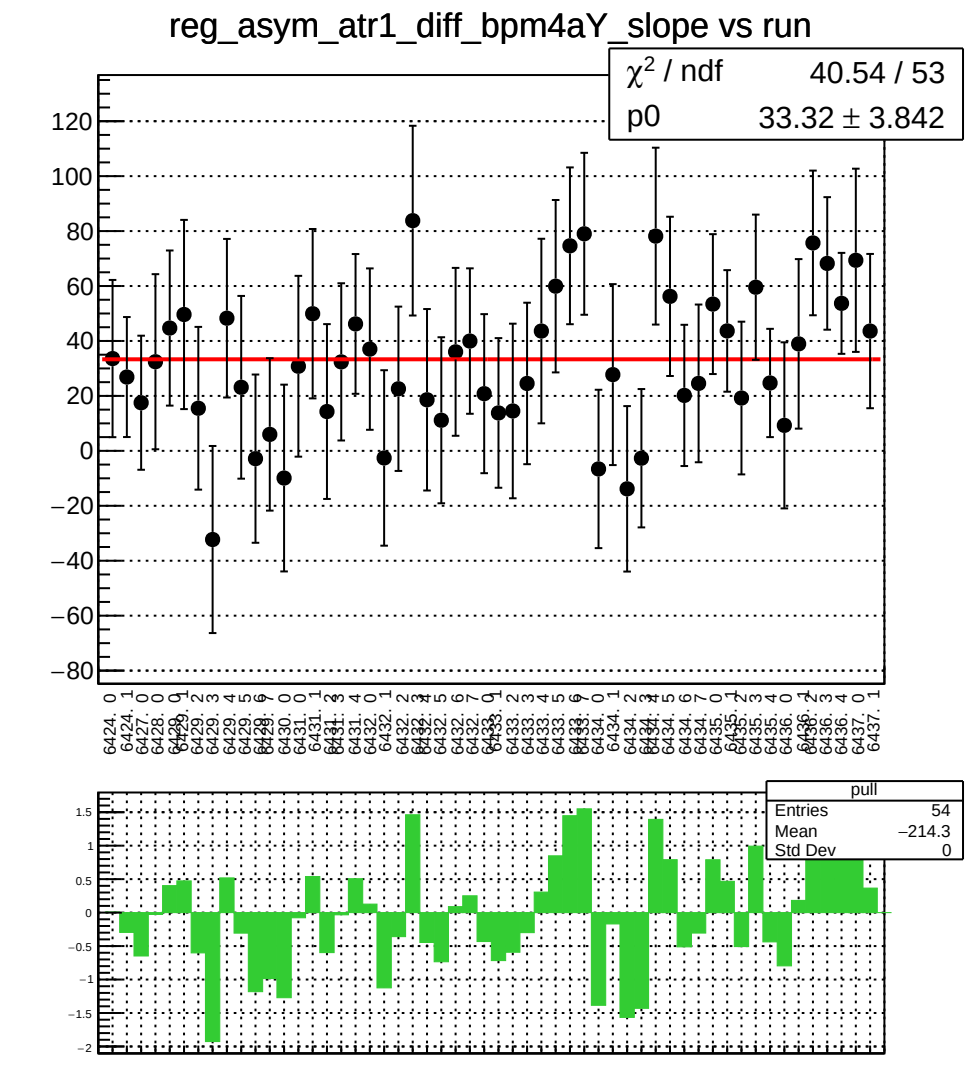

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.388 / 53
p0 157.3 ± 11.67
pull
Entries 54
Mean −81.8
Std Dev 0

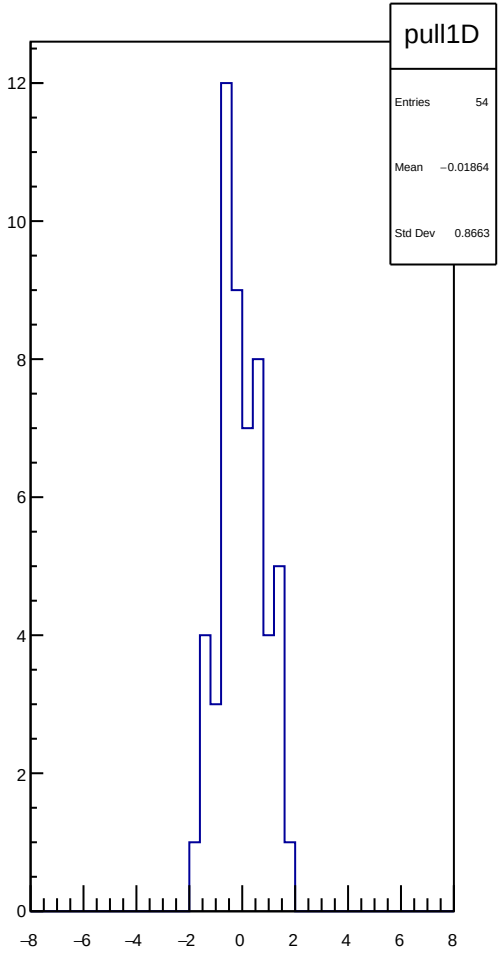

pull1D
Entries 54
Mean −0.01117
Std Dev 0.4168

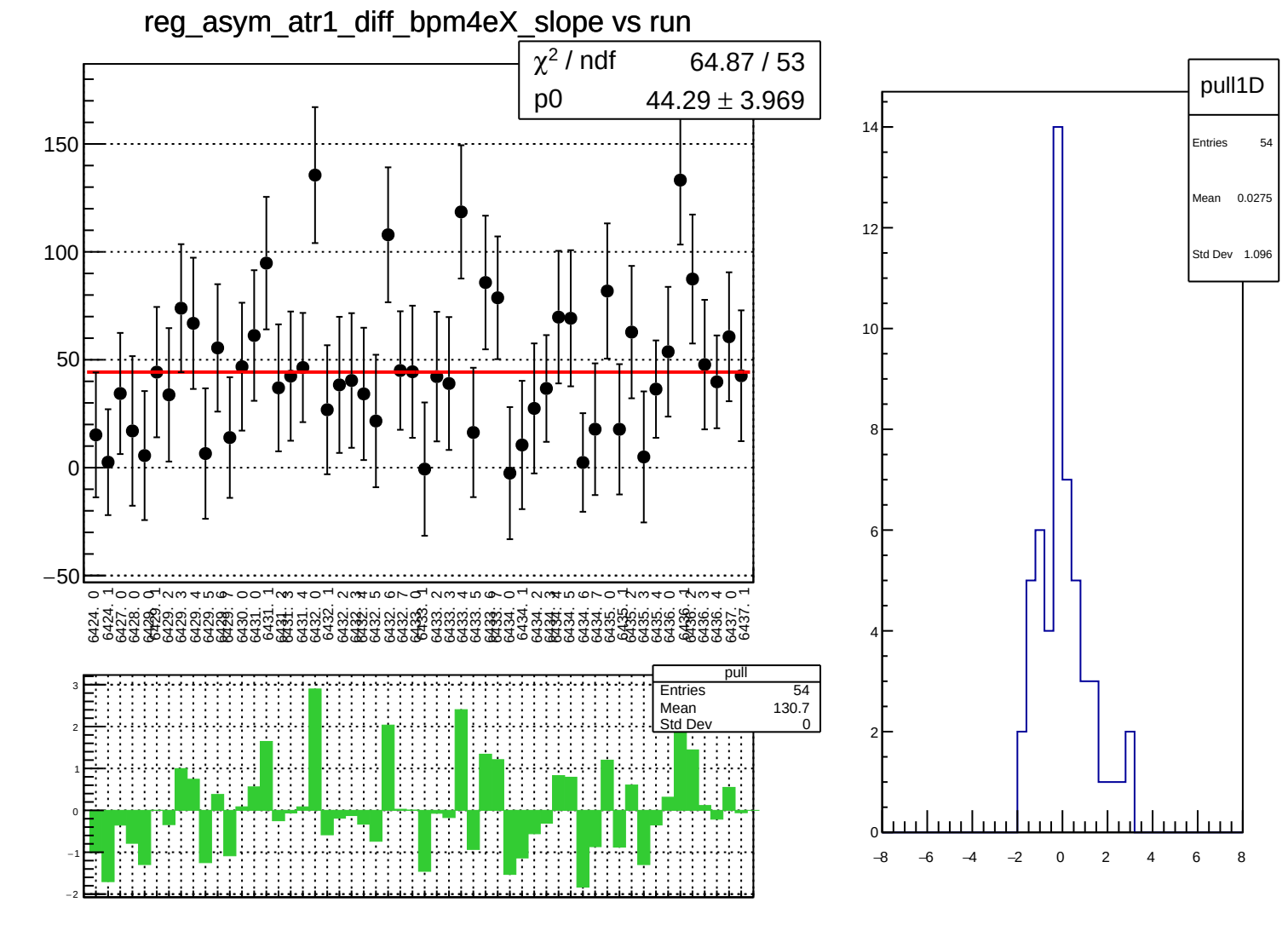

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 45.61 / 53
p0 −297.2 ± 0.4632
−290
−295
−300
−305
−310
−315
pull
Entries 54
Mean −52.27
Std Dev 0
pull1D
Entries 54
Mean −0.01959
Std Dev 0.9188

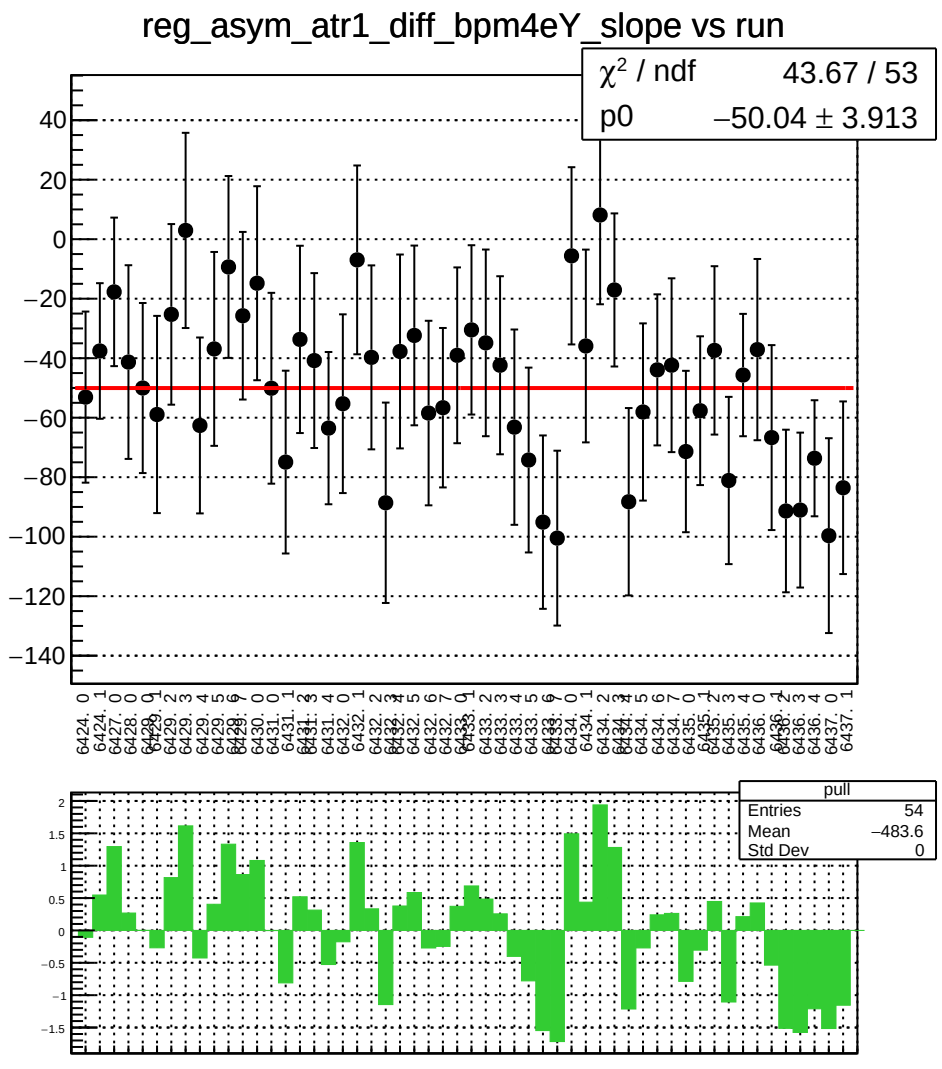

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 65.78 / 53
p0 −95.8 ± 3.797
pull
Entries 54
Mean 129
Std Dev 0

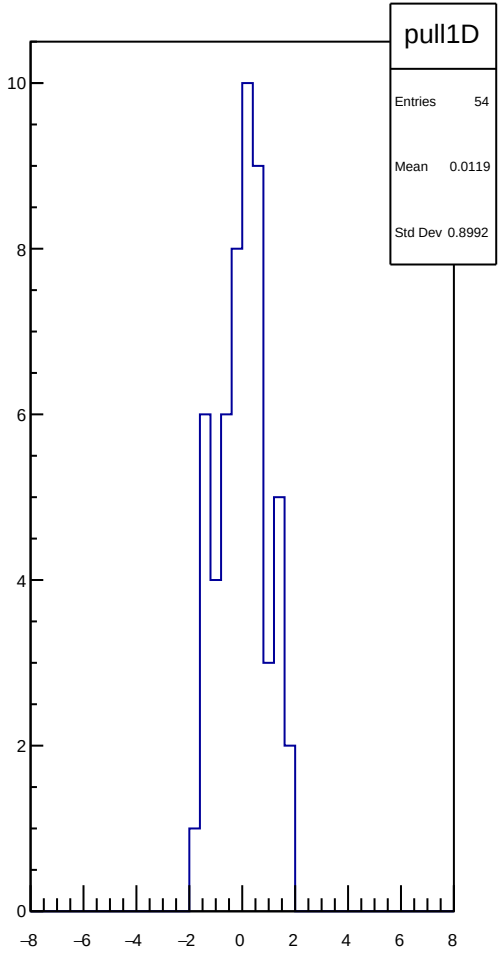

pull1D
Entries 54
Mean −0.02713
Std Dev 1.103

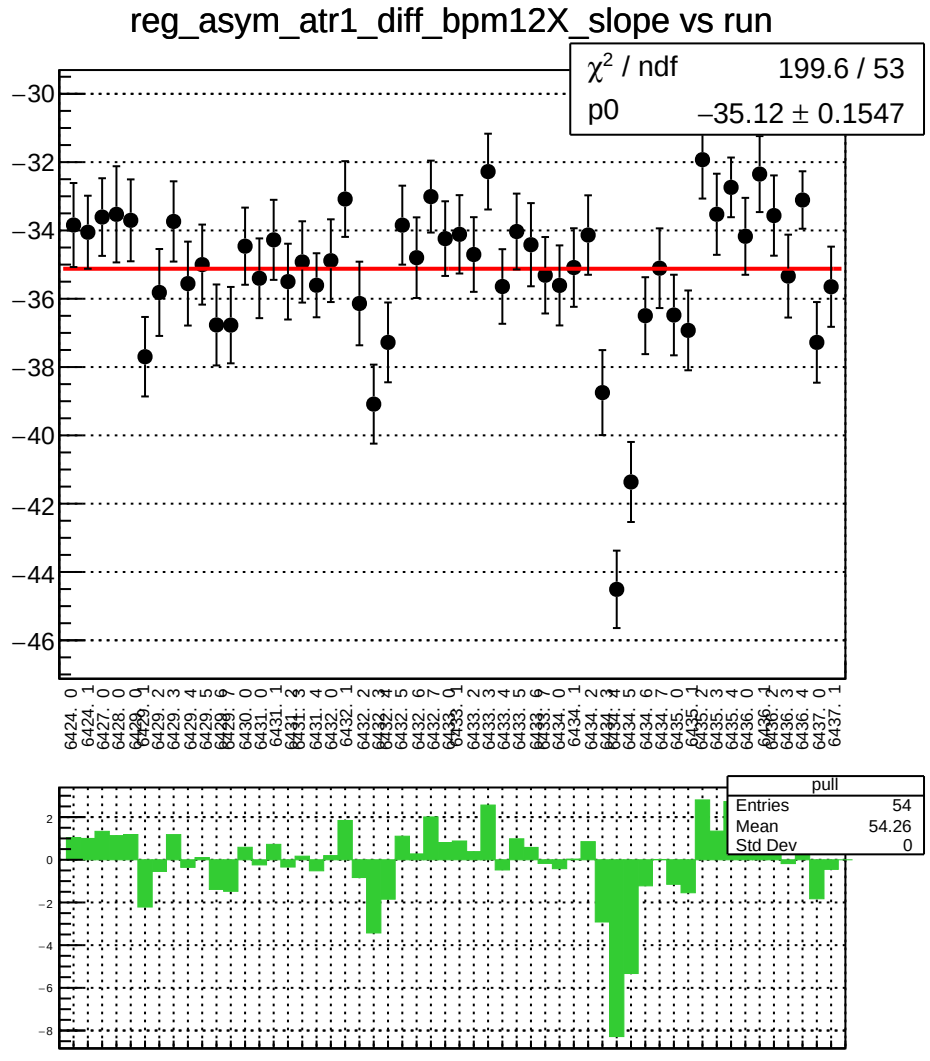

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 40.54 / 53
p0 33.32 ± 3.842
pull
Entries 54
Mean −214.3
Std Dev 0

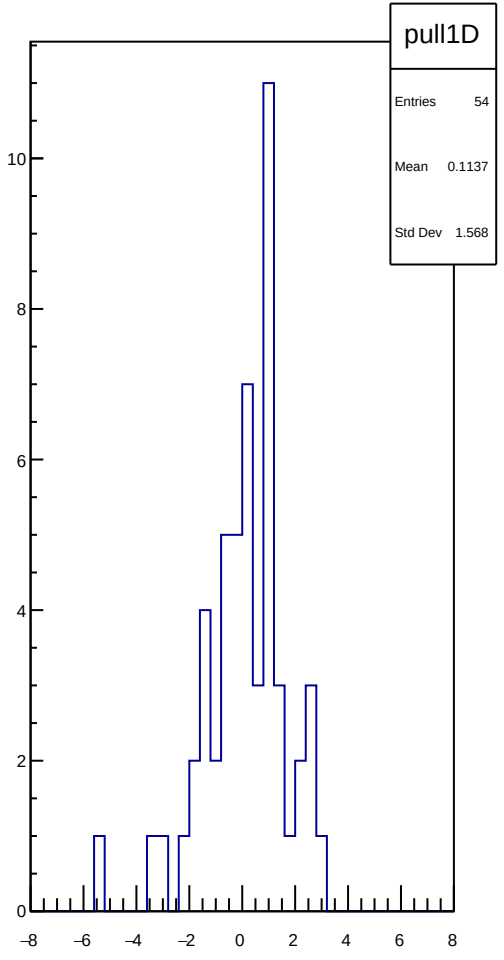

pull1D
Entries 54
Mean −0.01864
Std Dev 0.8663

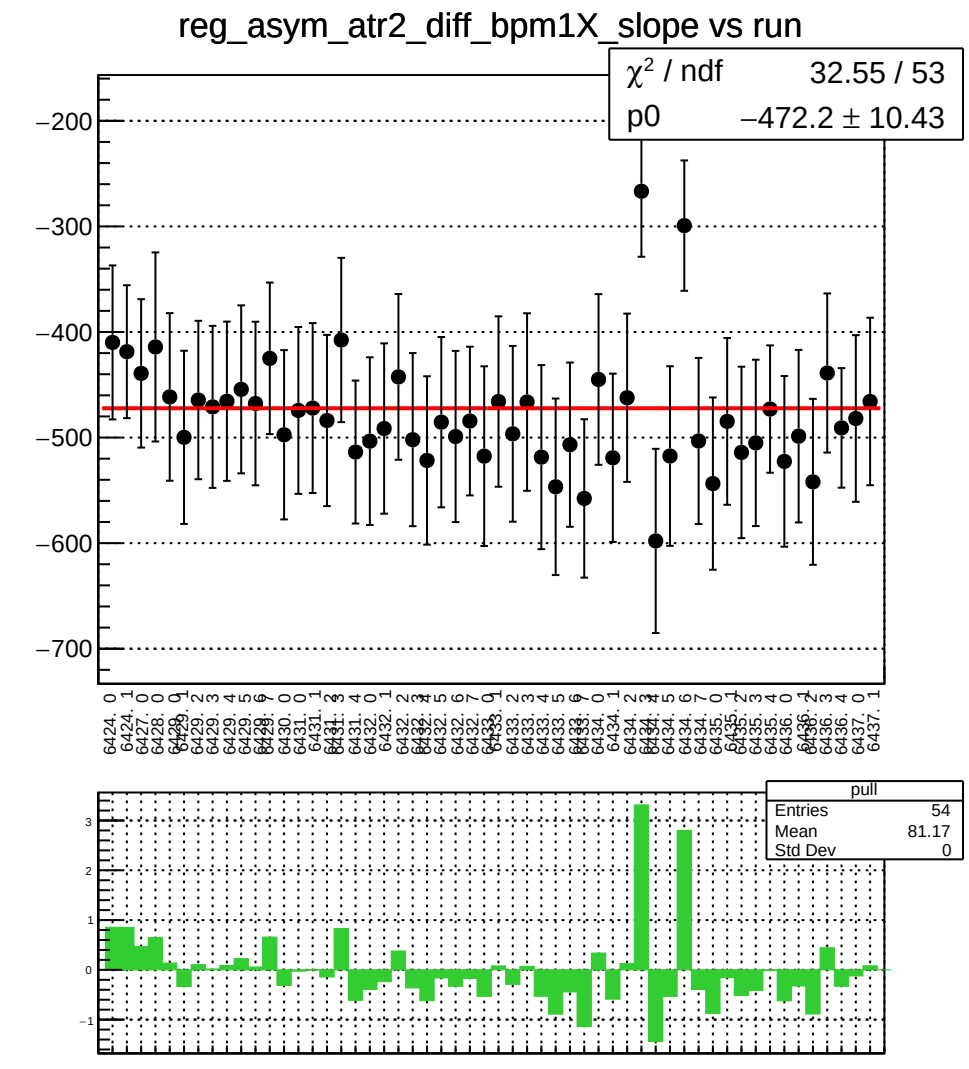

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 64.87 / 53
p0 44.29 ± 3.969
150
100
50
0
−50
pull
Entries 54
Mean 130.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.0275
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

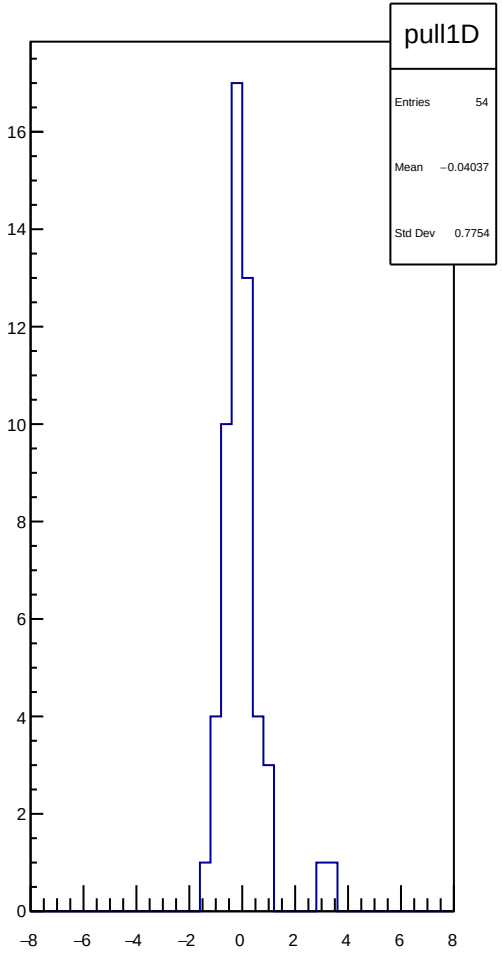

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.67 / 53
p0 −50.04 ± 3.913
pull
Entries 54
Mean −483.6
Std Dev 0

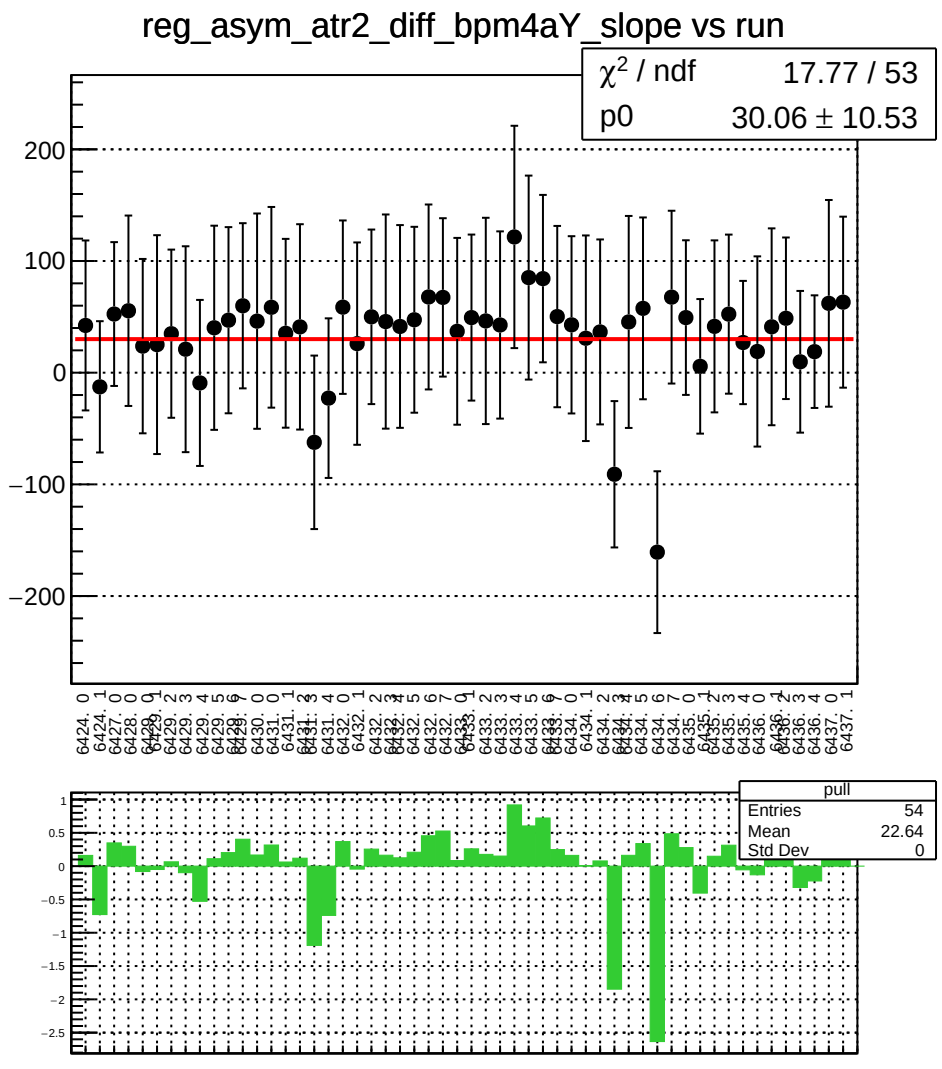

pull1D
Entries 54
Mean 0.0119
Std Dev 0.8992

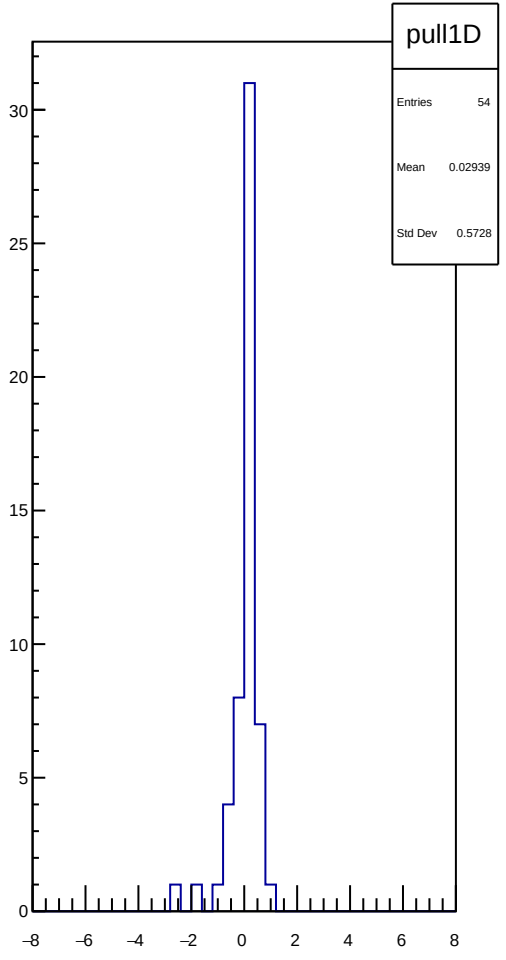

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 199.6 / 53
p0 −35.12 ± 0.1547
pull
Entries 54
Mean 54.26
Std Dev 0

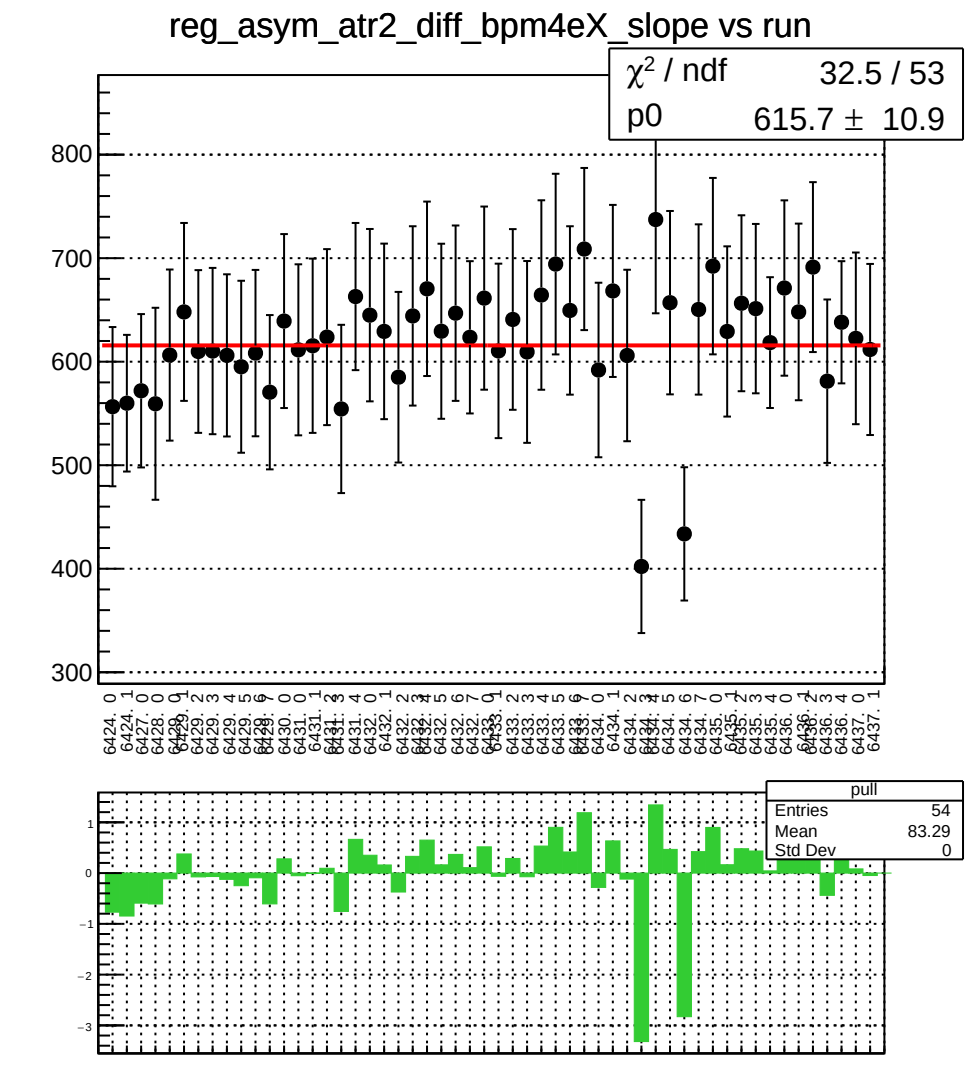

pull1D
Entries 54
Mean 0.1137
Std Dev 1.568

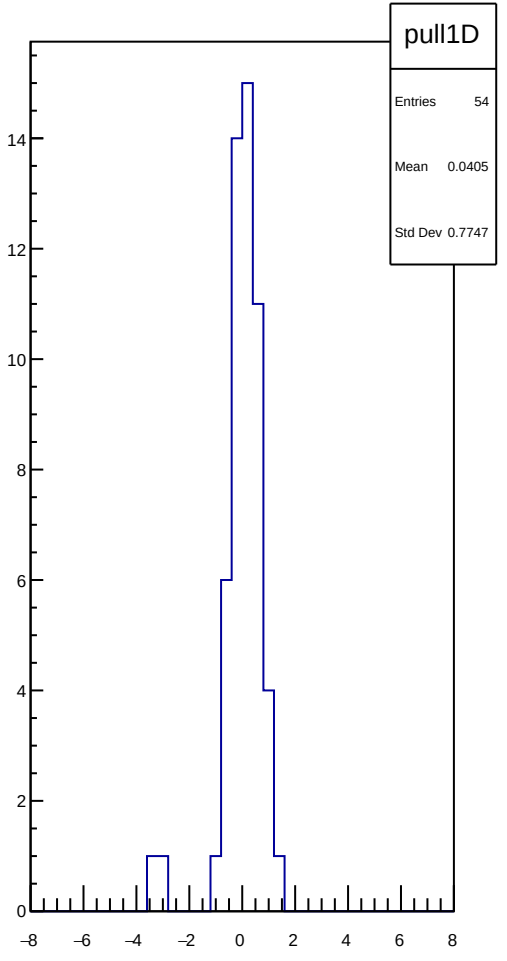

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 32.55 / 53
p0 −472.2 ± 10.43
pull
Entries 54
Mean 81.17
Std Dev 0

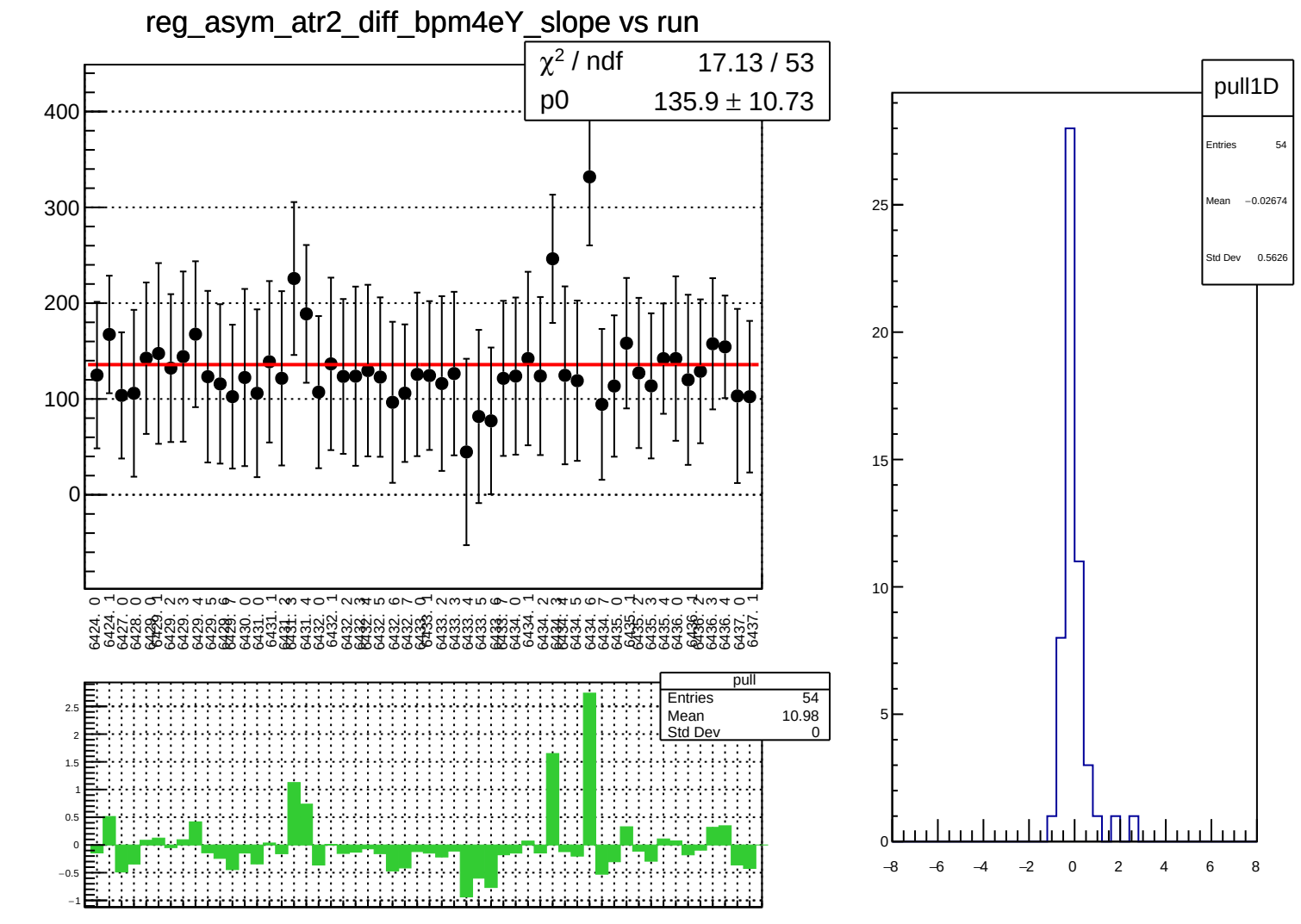

pull1D
Entries 54
Mean −0.04037
Std Dev 0.7754

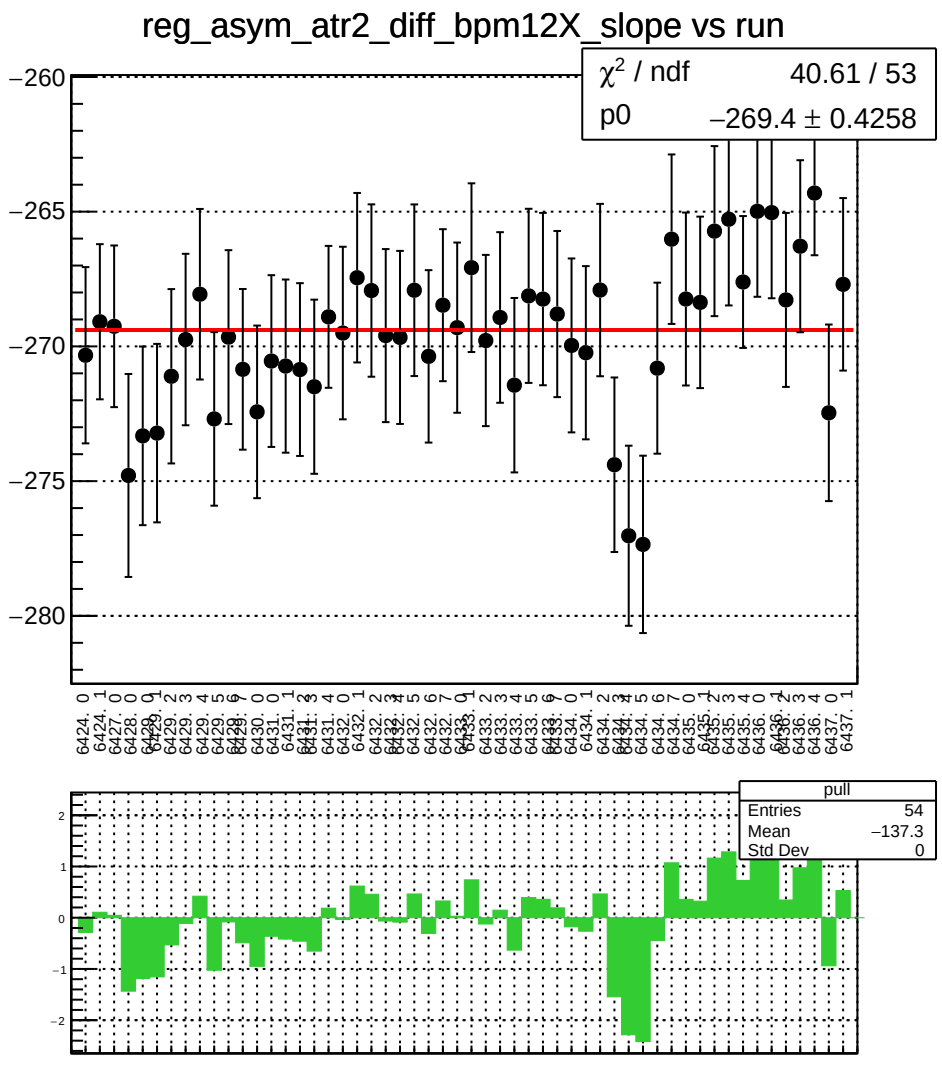

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 17.77 / 53
p0 30.06 ± 10.53
pull
Entries 54
Mean 22.64
Std Dev 0

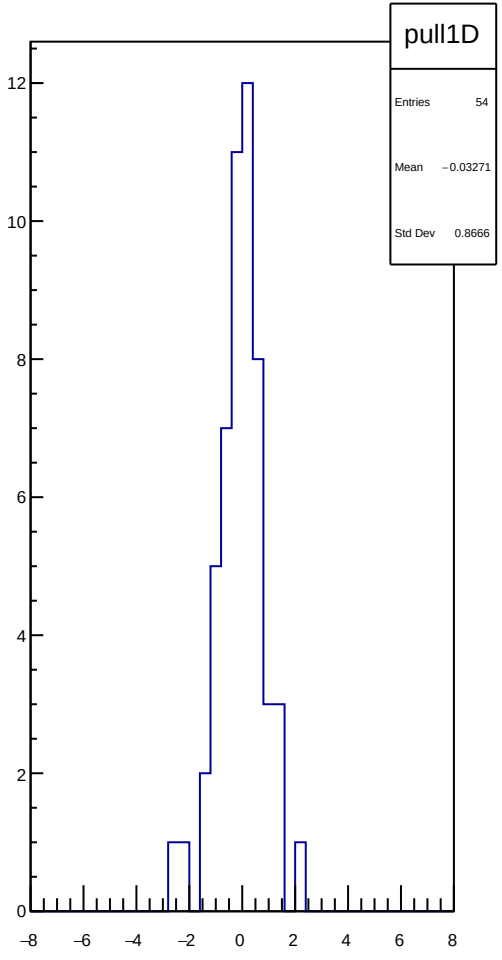

pull1D
Entries 54
Mean 0.02939
Std Dev 0.5728

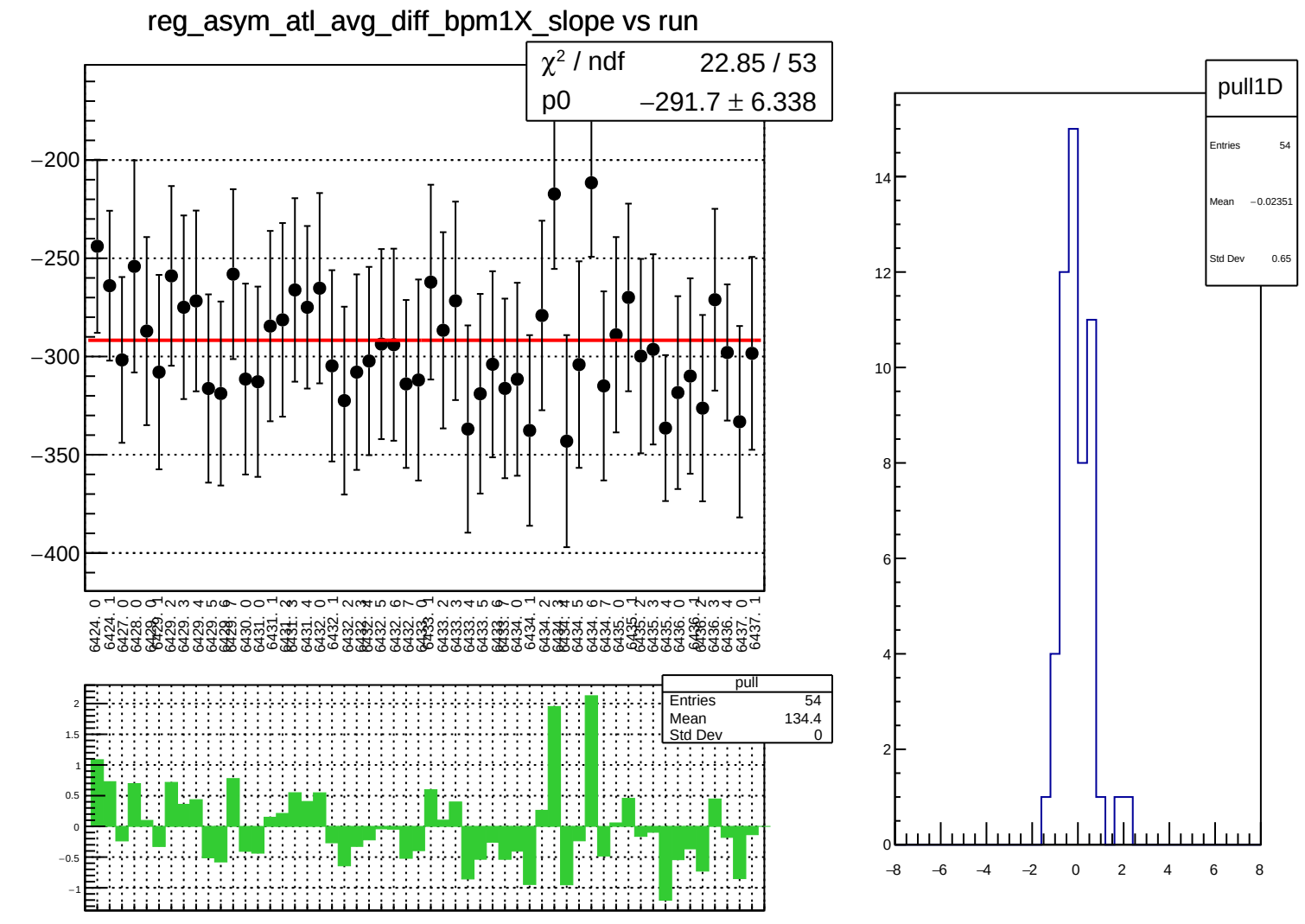

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 32.5 / 53
p0 615.7 ± 10.9
800
700
600
500
400
300
pull
Entries 54
Mean 83.29
Std Dev 0
1
0
−1
−2
−3

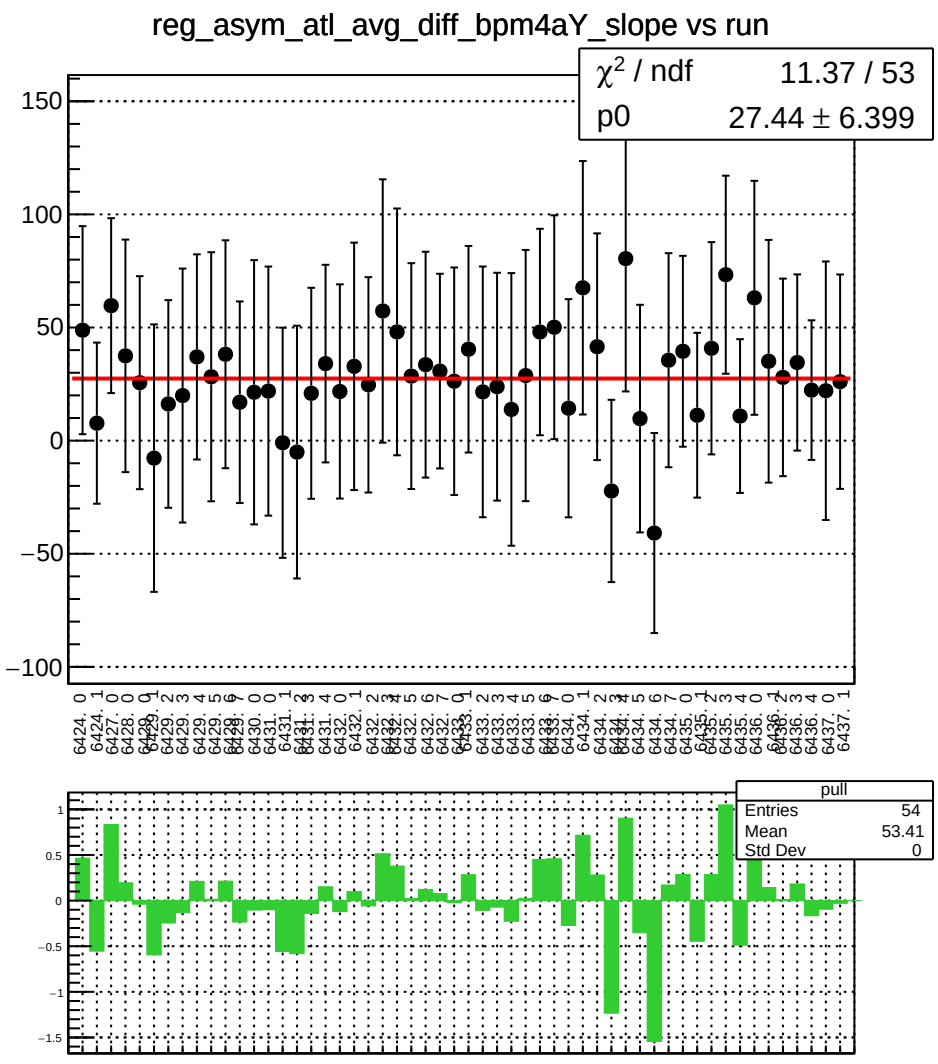

pull1D
Entries 54
Mean 0.0405
Std Dev 0.7747
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

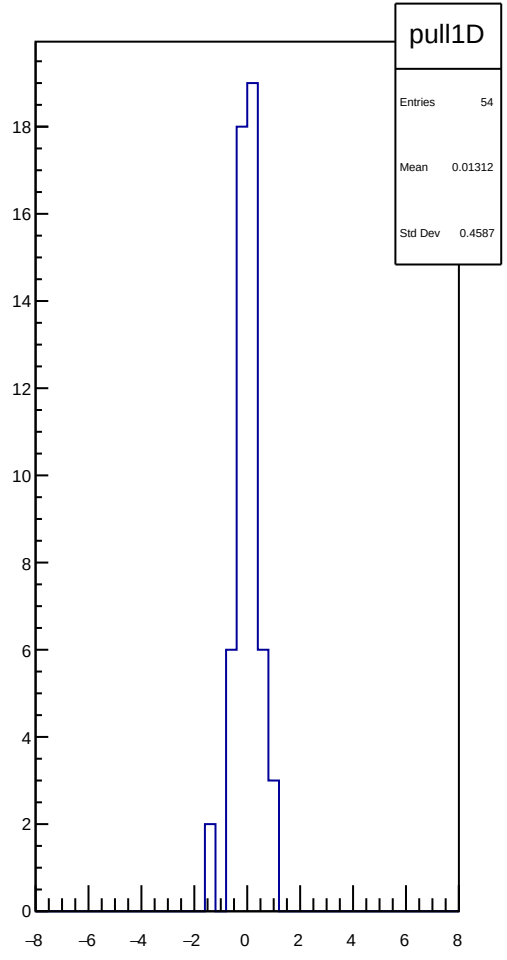

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 17.13 / 53
p0 135.9 ± 10.73
pull
Entries 54
Mean 10.98
Std Dev 0
pull1D
Entries 54
Mean −0.02674
Std Dev 0.5626

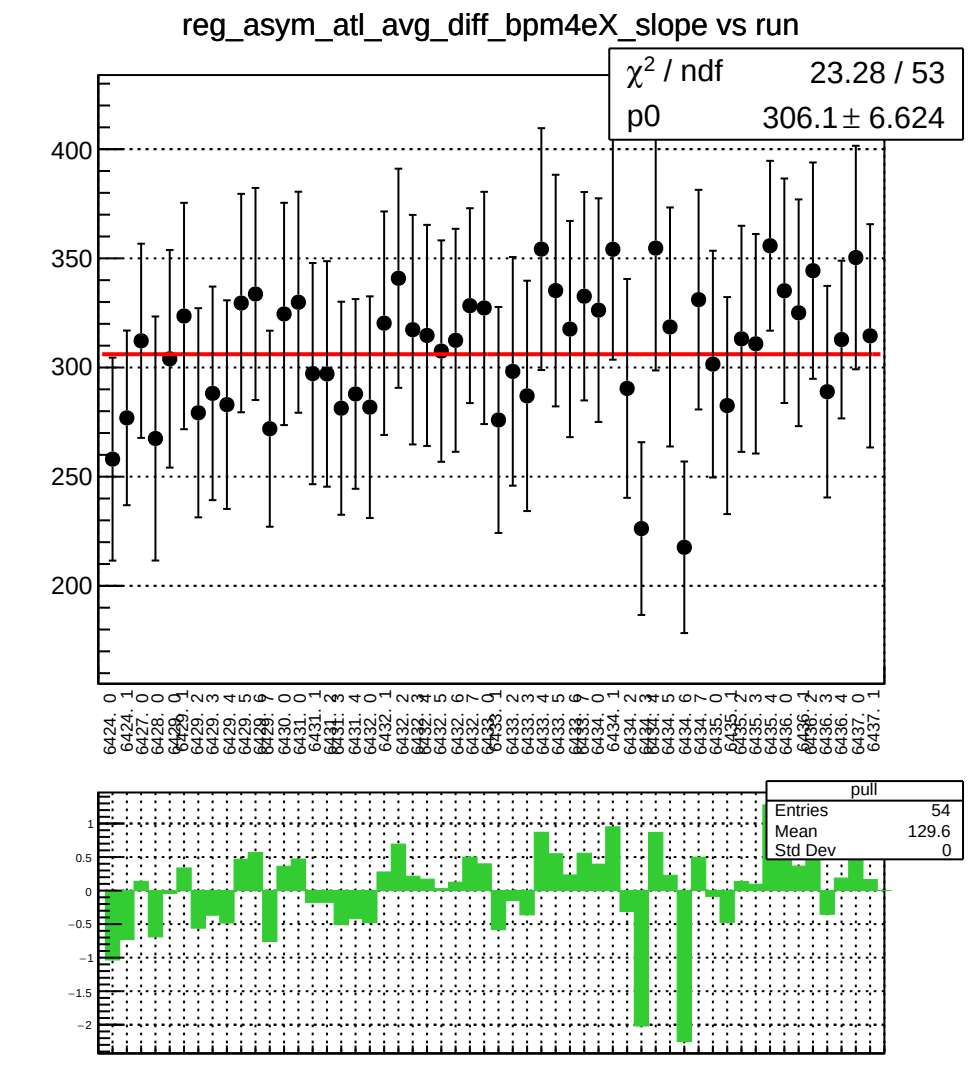

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 40.61 / 53
p0 −269.4 ± 0.4258
−260
−265
−270
−275
−280
pull
Entries 54
Mean −137.3
Std Dev 0
2
1
0
−1
−2

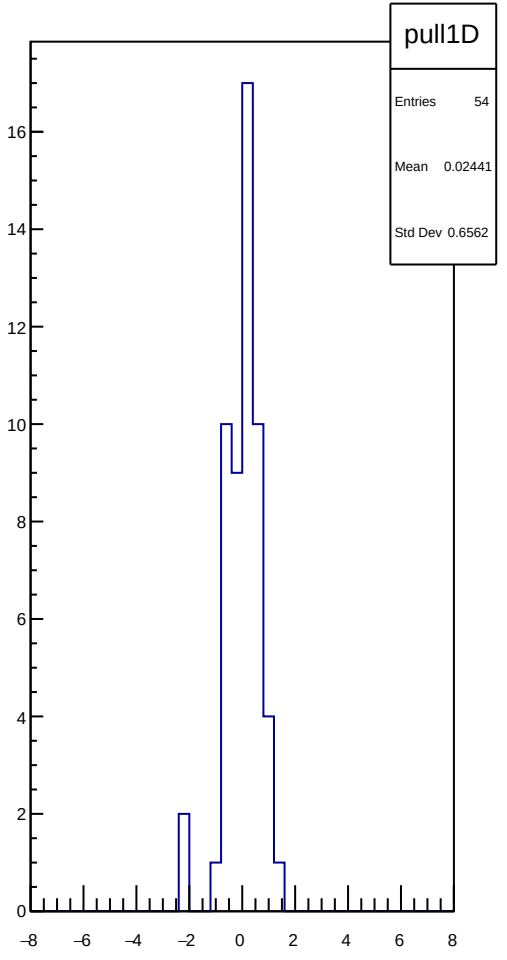

pull1D
Entries 54
Mean −0.03271
Std Dev 0.8666
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

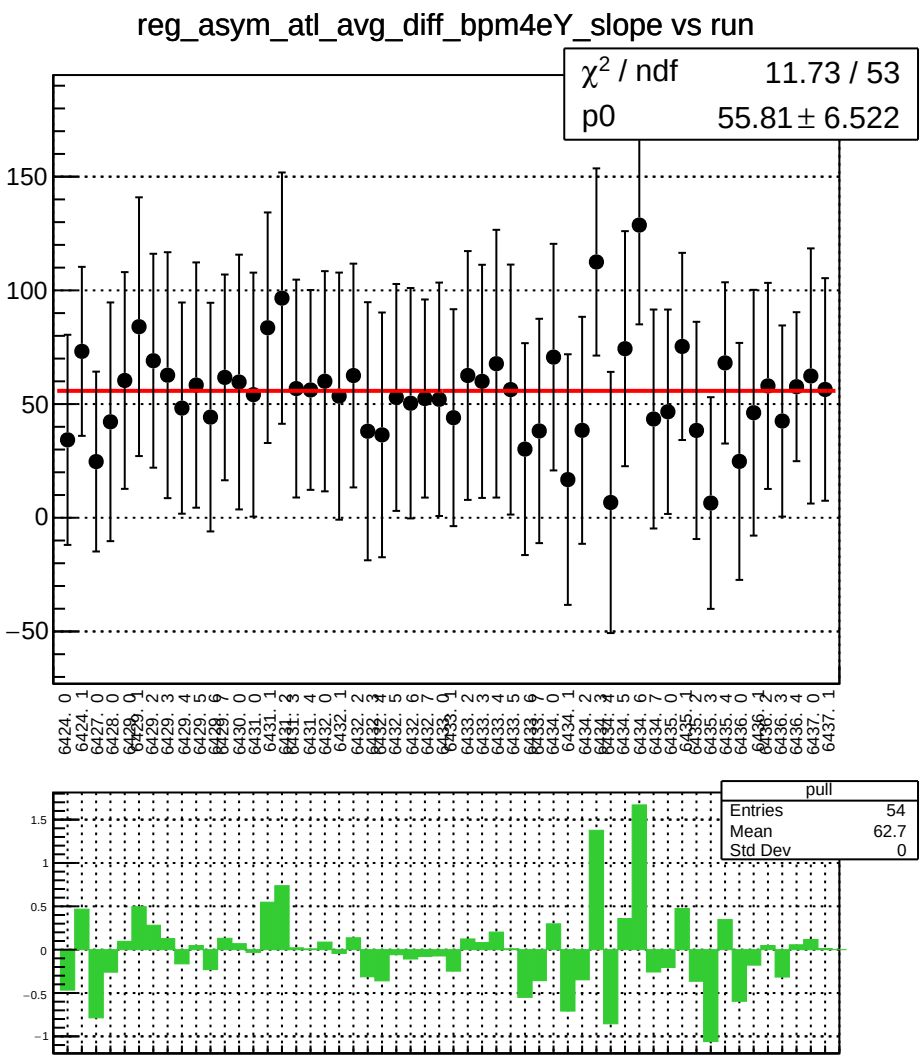

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 22.85 / 53
p0 −291.7 ± 6.338
−200
−250
−300
−350
−400
pull
Entries 54
Mean 134.4
Std Dev 0
pull1D
Entries 54
Mean −0.02351
Std Dev 0.65

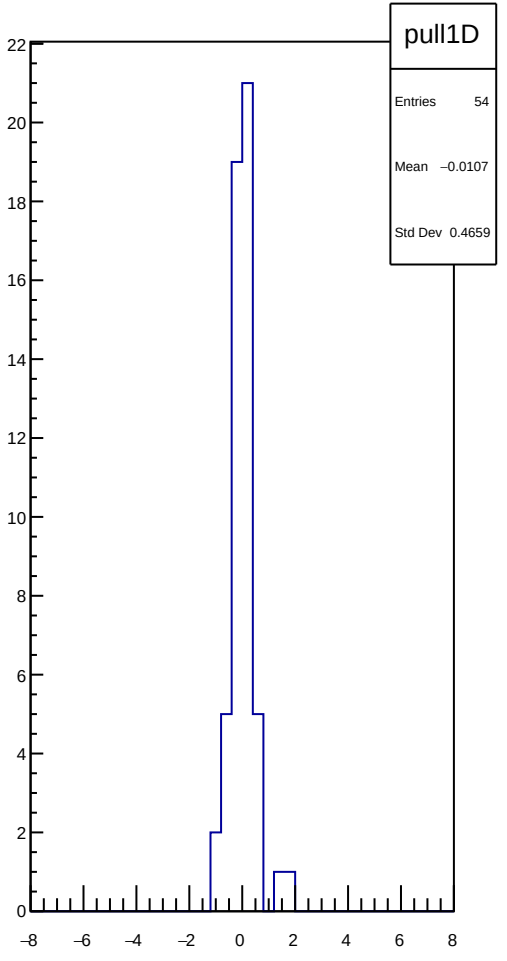

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.37 / 53
p0 27.44 ± 6.399
150
100
50
0
−50
−100
pull
Entries 54
Mean 53.41
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

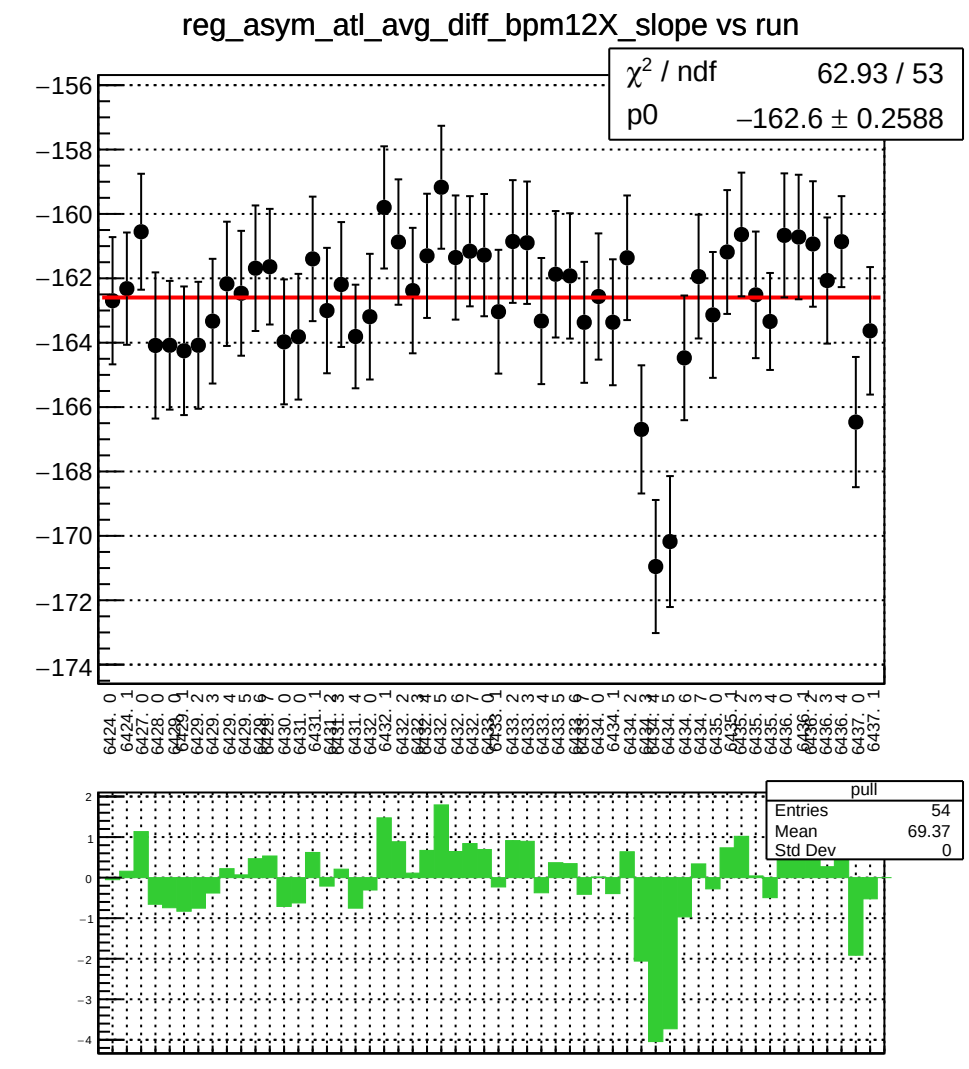

pull1D
Entries 54
Mean 0.01312
Std Dev 0.4587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

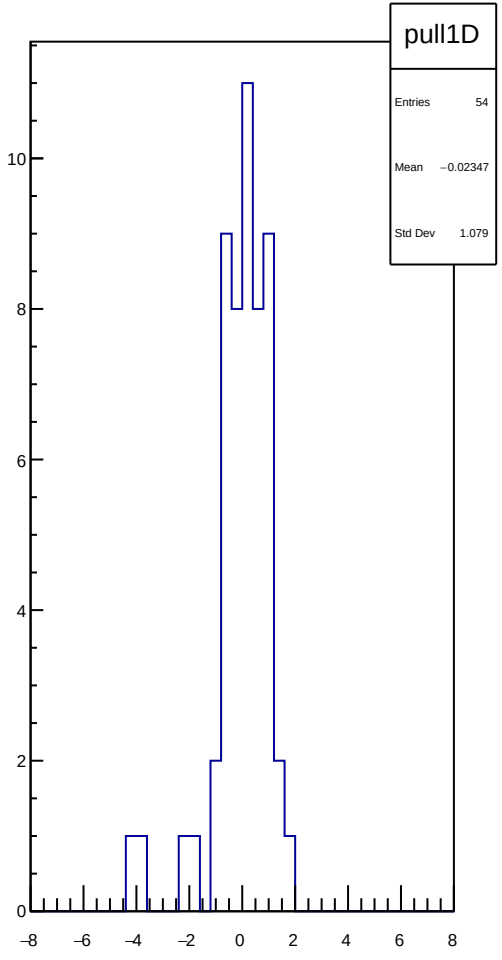

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.28 / 53
p0 306.1 ± 6.624
400
350
300
250
200
pull
Entries 54
Mean 129.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

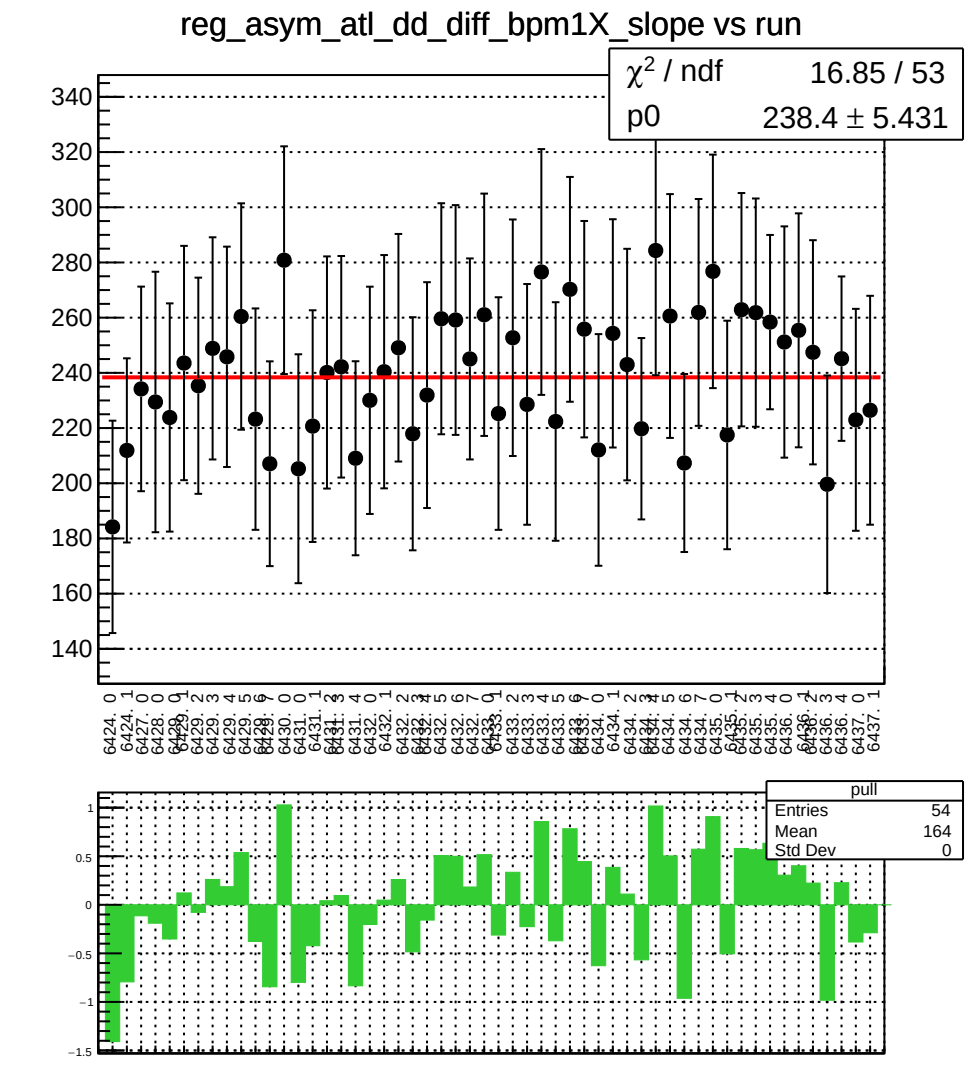

pull1D
Entries 54
Mean 0.02441
Std Dev 0.6562
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

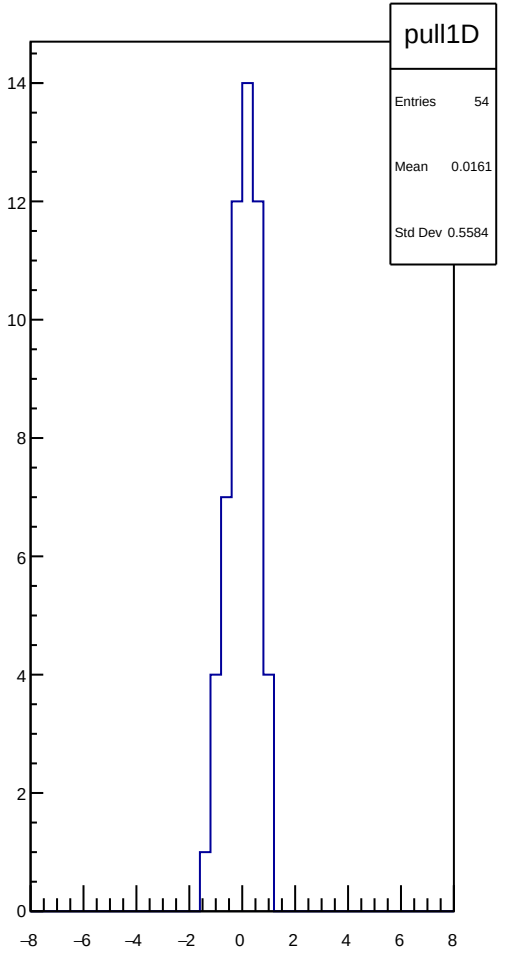

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.73 / 53
p0 55.81 ± 6.522
150
100
50
0
−50
pull
Entries 54
Mean 62.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

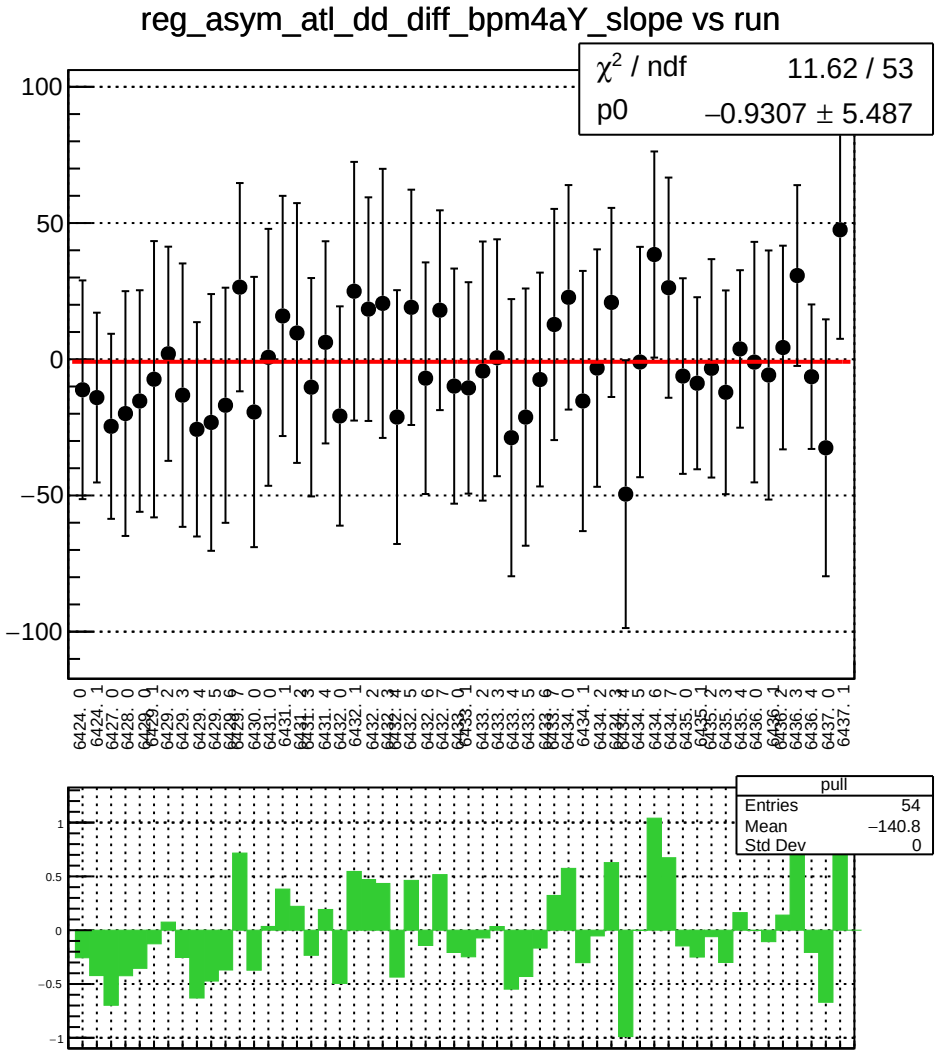

pull1D
Entries 54
Mean −0.0107
Std Dev 0.4659
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

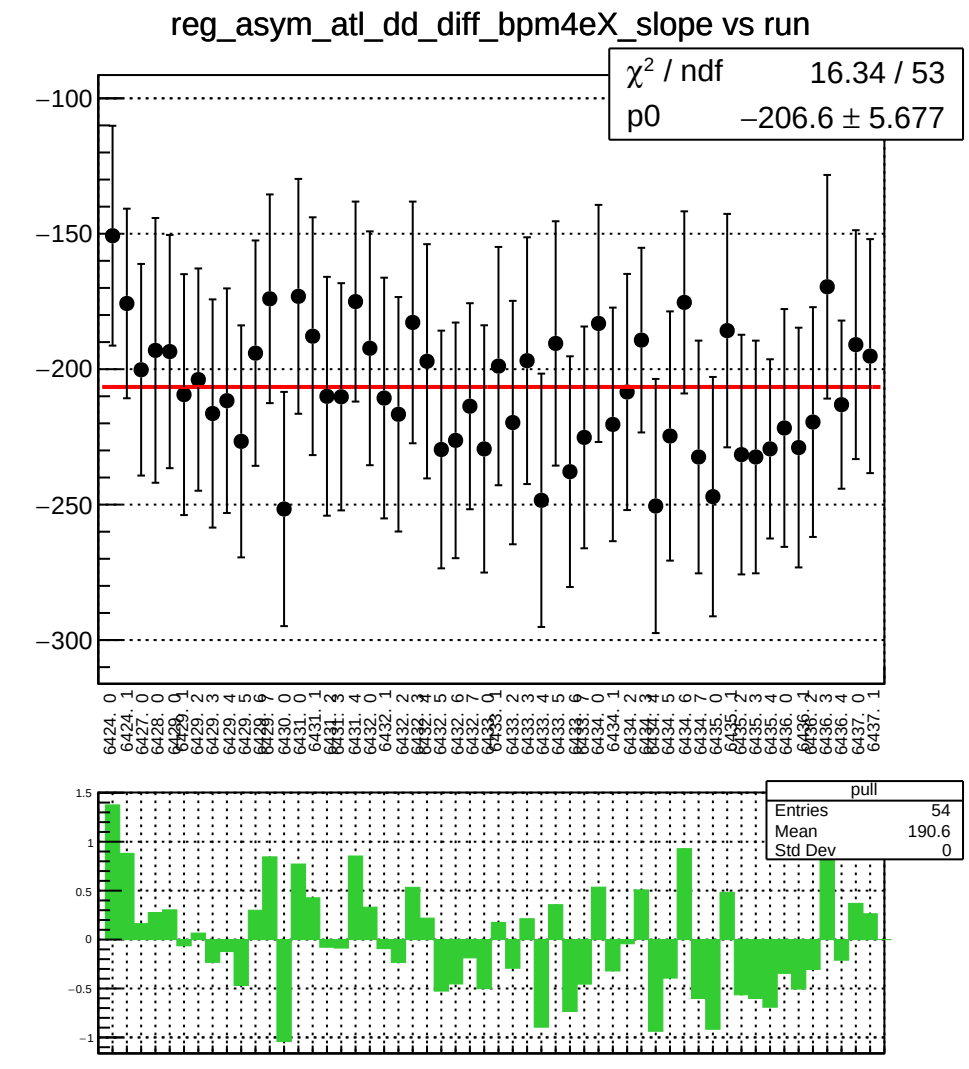

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 62.93 / 53
p0 −162.6 ± 0.2588
pull
Entries 54
Mean 69.37
Std Dev 0

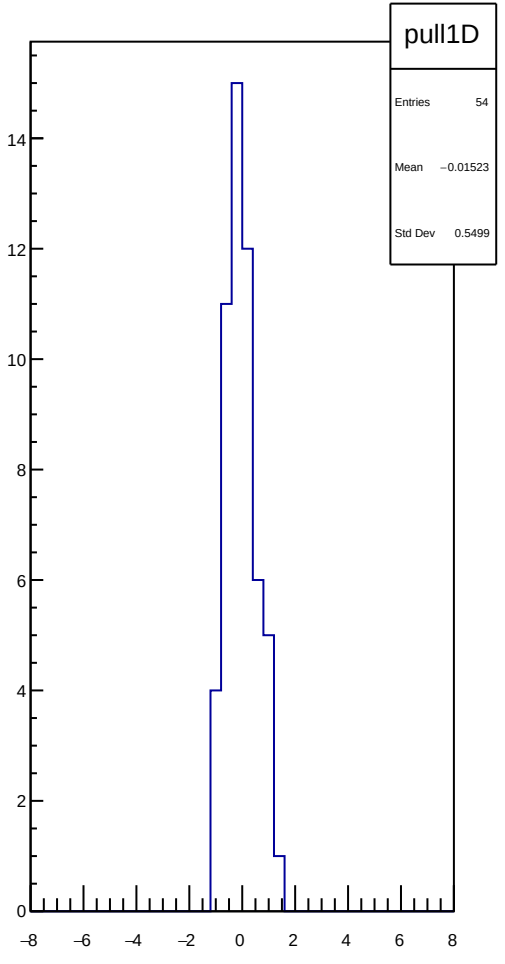

pull1D
Entries 54
Mean −0.02347
Std Dev 1.079

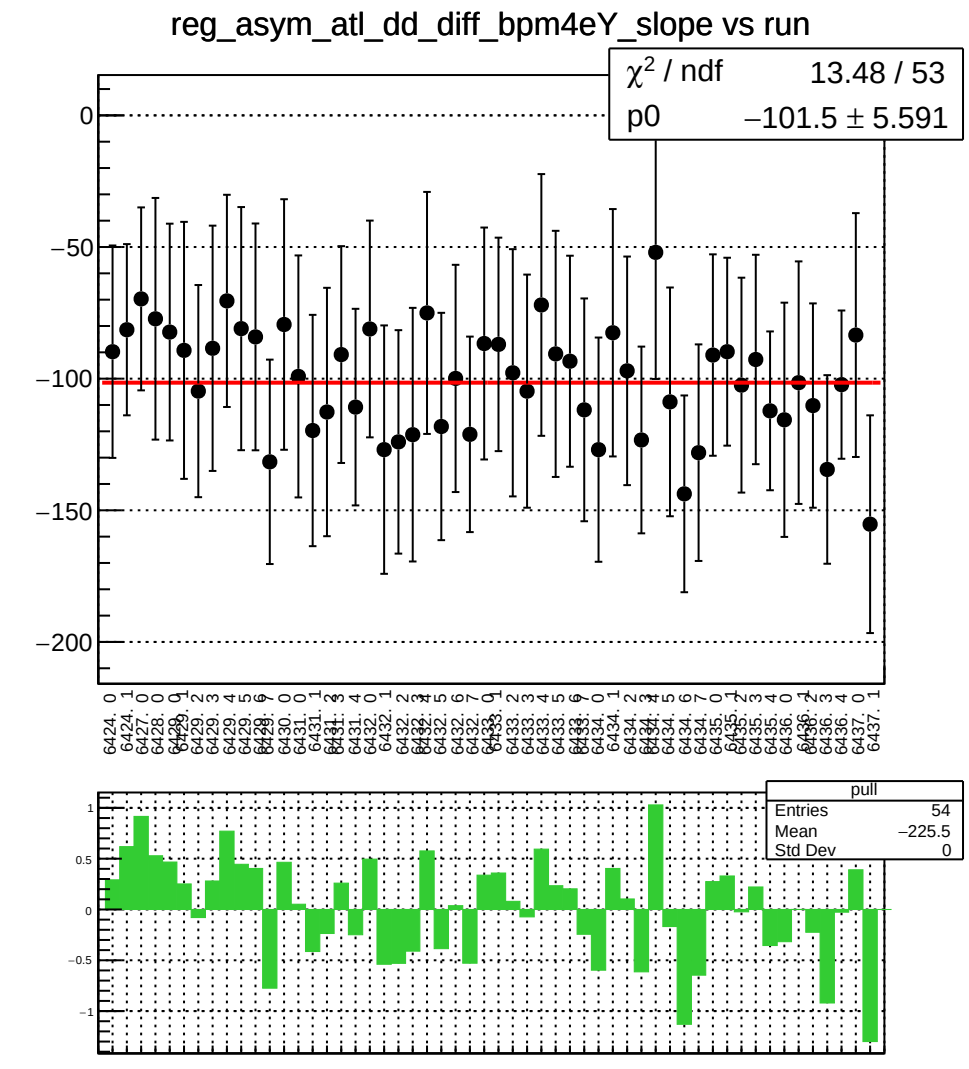

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 16.85 / 53
p0 238.4 ± 5.431
pull
Entries 54
Mean 164
Std Dev 0

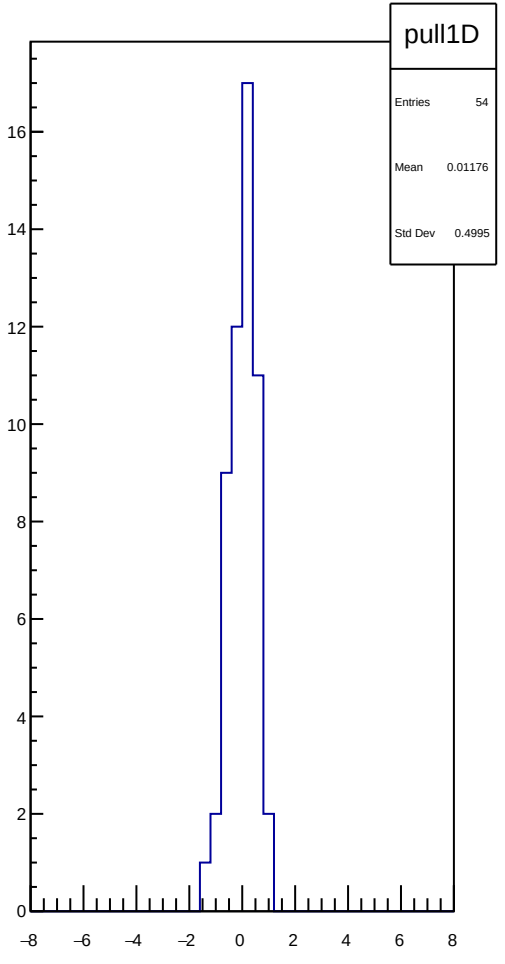

pull1D
Entries 54
Mean 0.0161
Std Dev 0.5584

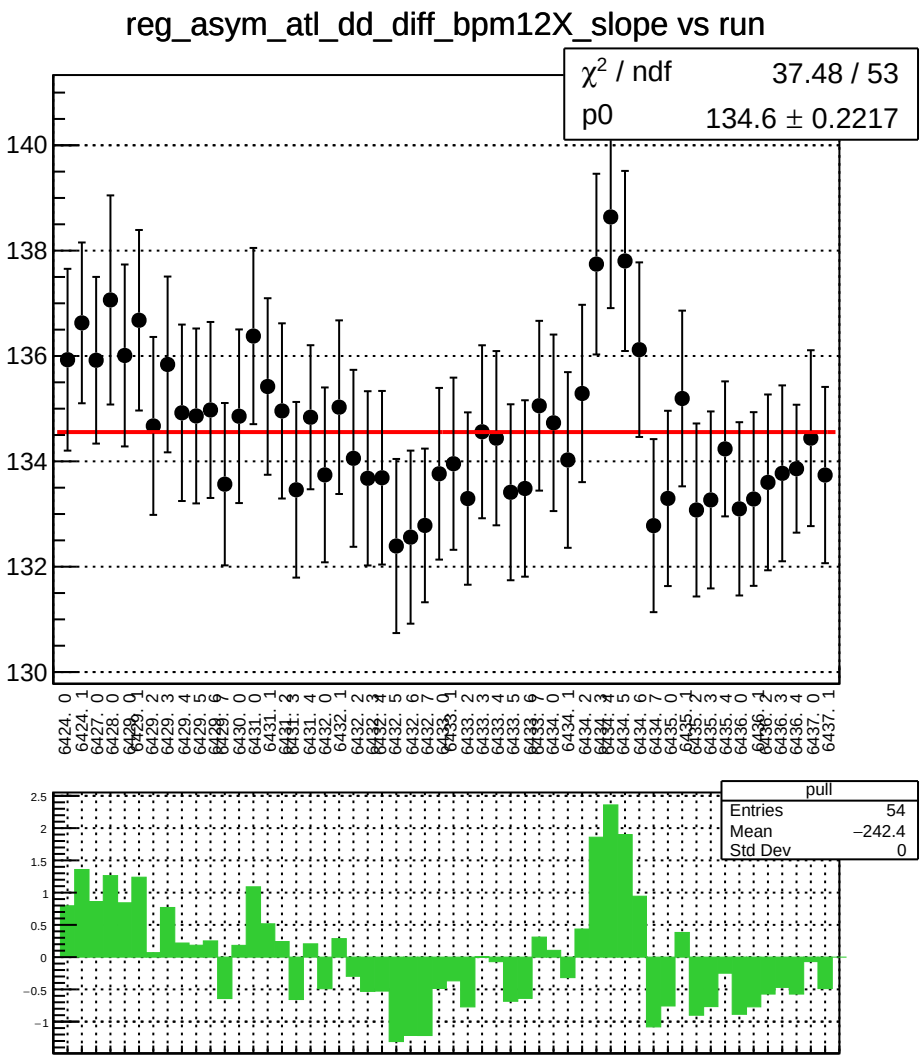

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.62 / 53
p0 −0.9307 ± 5.487
100
50
0
−50
−100
pull
Entries 54
Mean −140.8
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.01184
Std Dev 0.4637
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

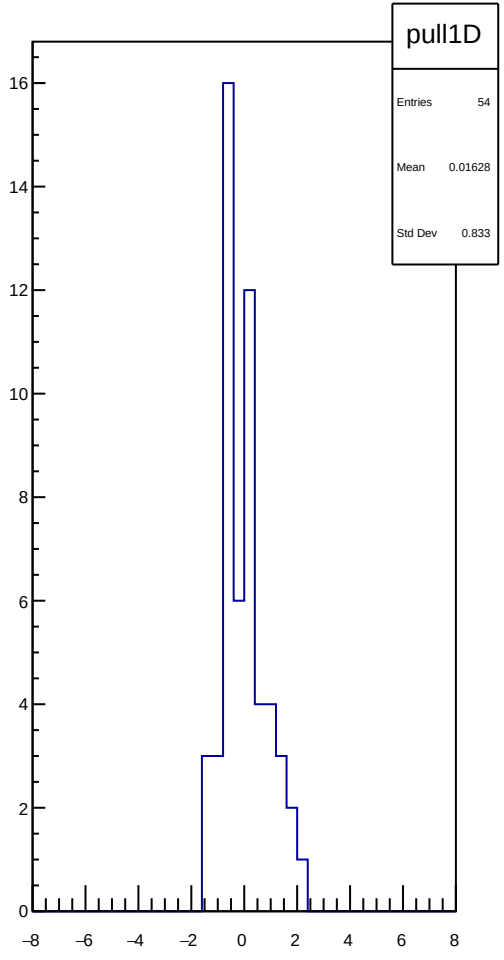

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.34 / 53
p0 −206.6 ± 5.677
pull
Entries 54
Mean 190.6
Std Dev 0

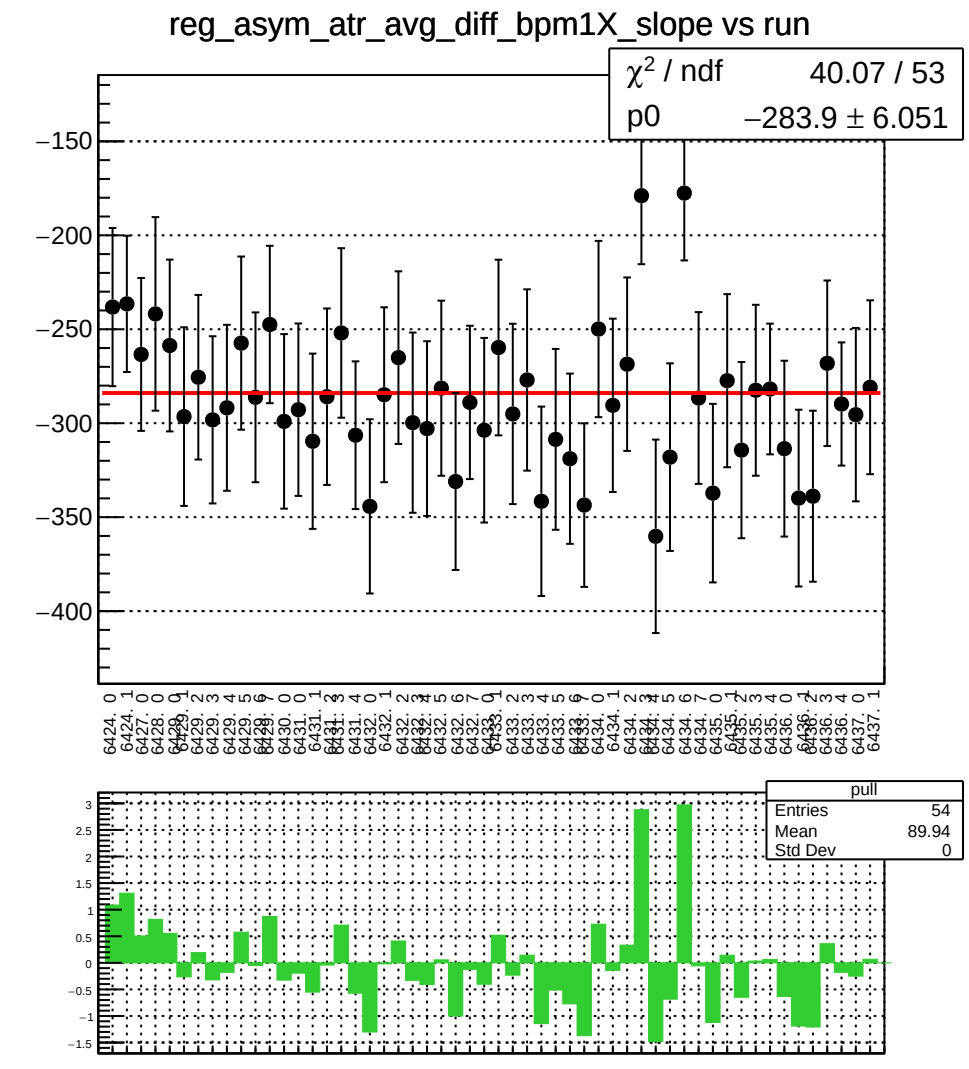

pull1D
Entries 54
Mean −0.01523
Std Dev 0.5499

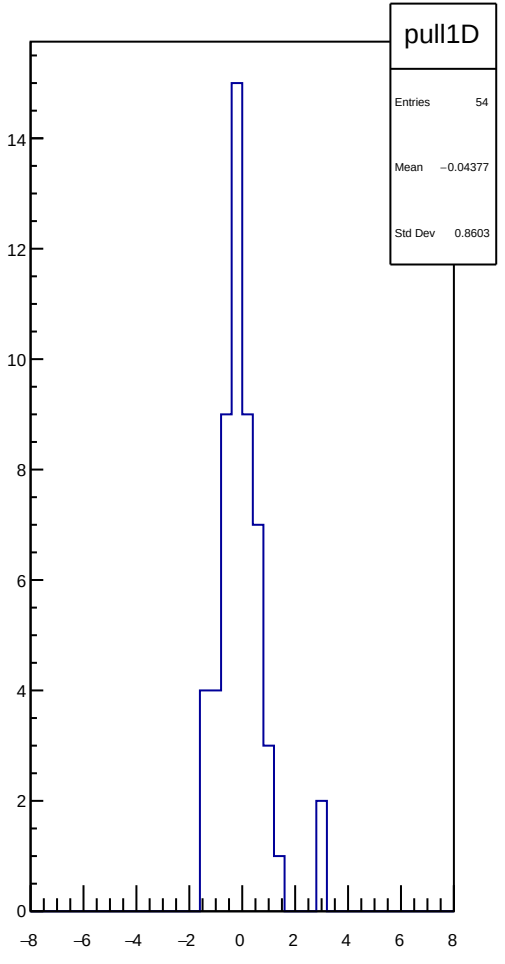

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.48 / 53
p0 −101.5 ± 5.591
pull
Entries 54
Mean −225.5
Std Dev 0

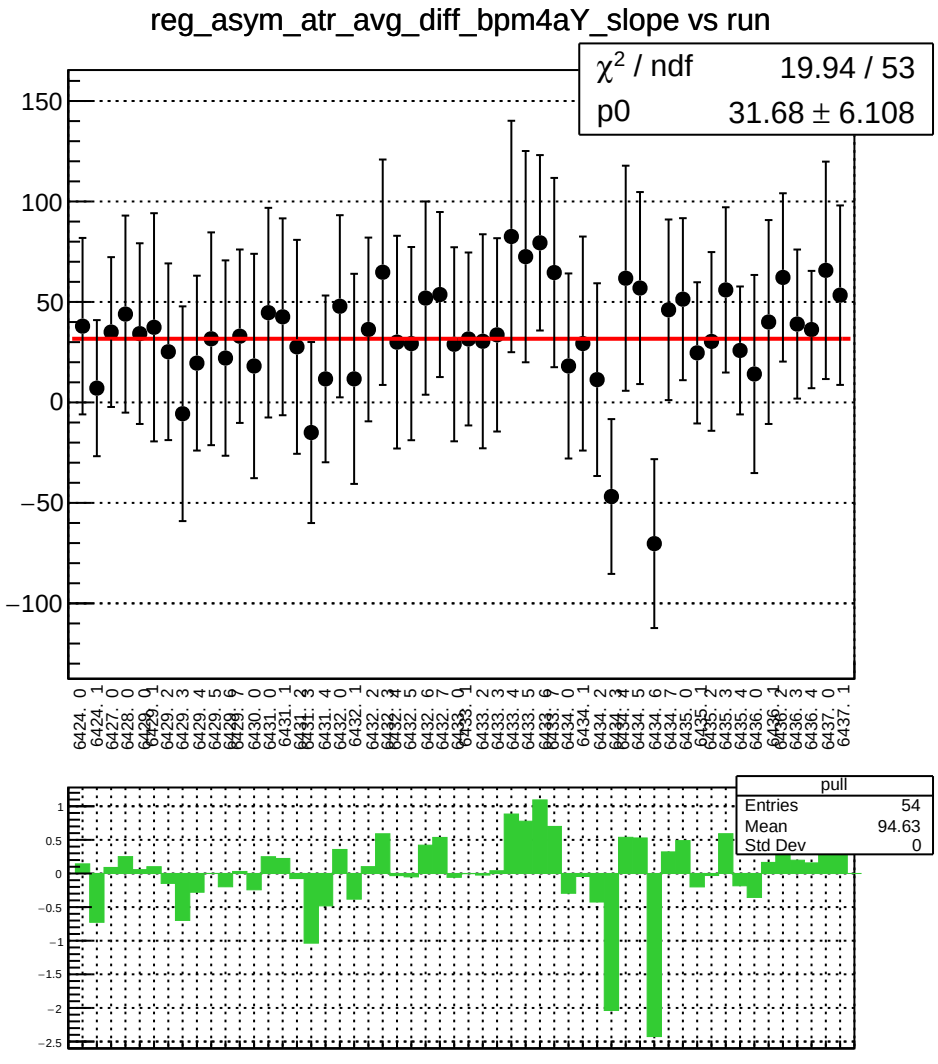

pull1D
Entries 54
Mean 0.01176
Std Dev 0.4995

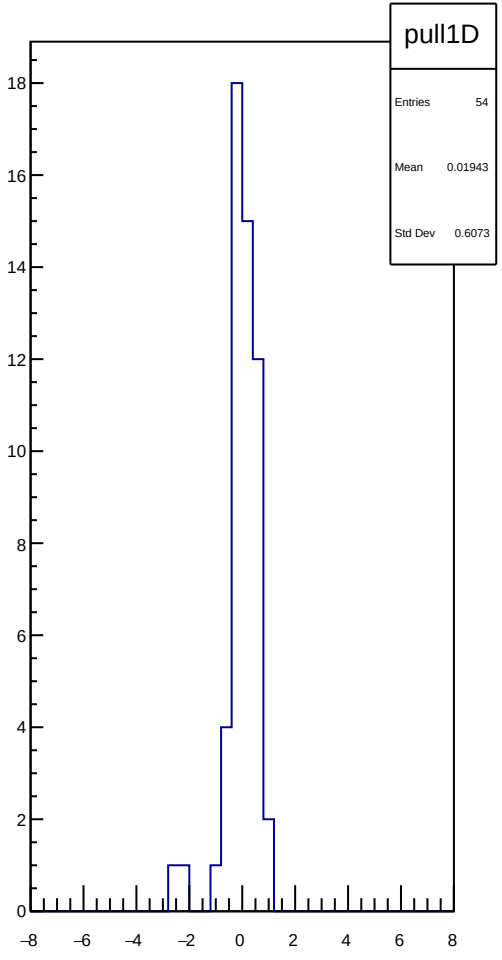

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 37.48 / 53
p0 134.6 ± 0.2217
140
138
136
134
132
130
pull
Entries 54
Mean −242.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

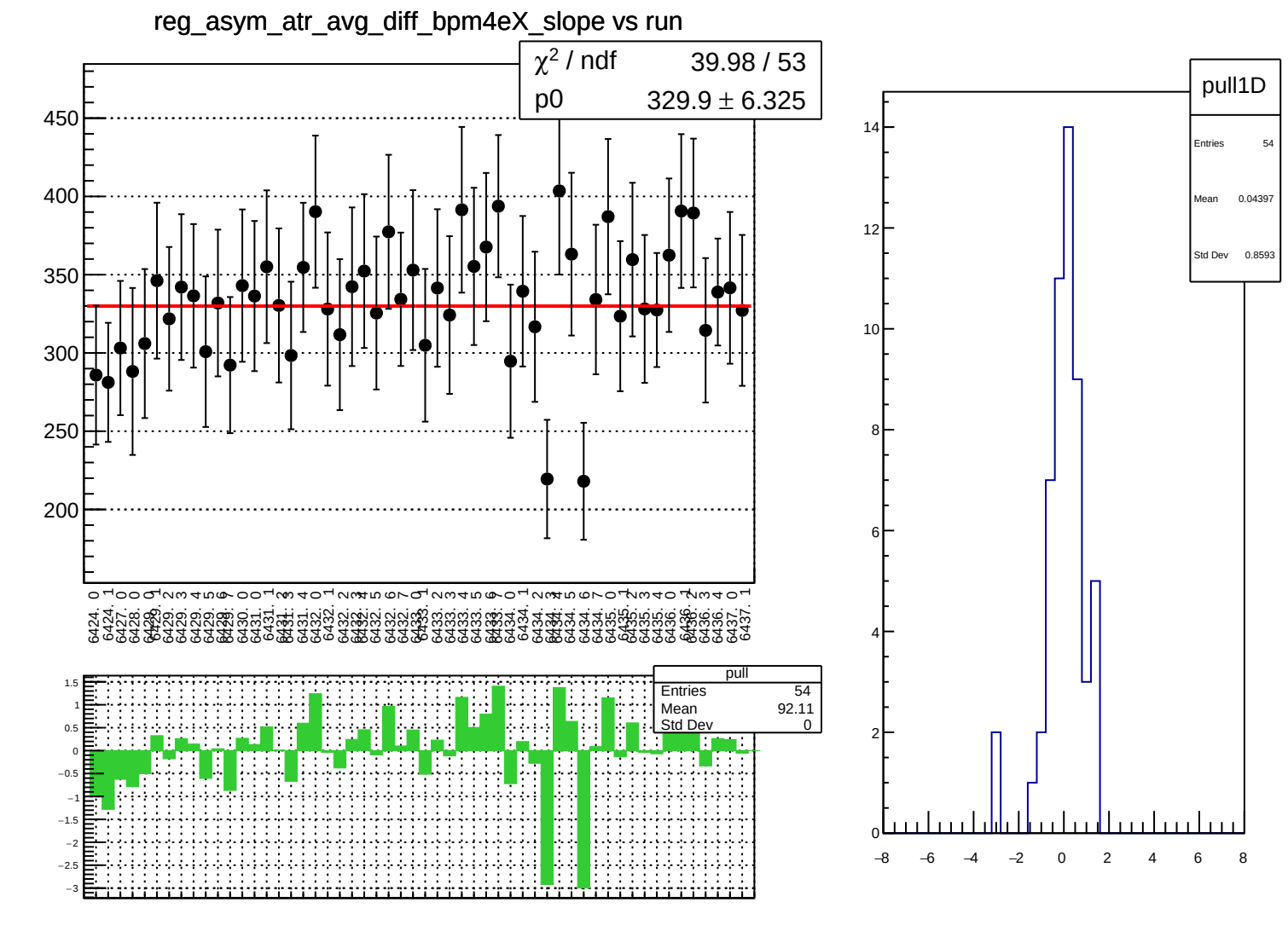

pull1D
Entries 54
Mean 0.01628
Std Dev 0.833
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

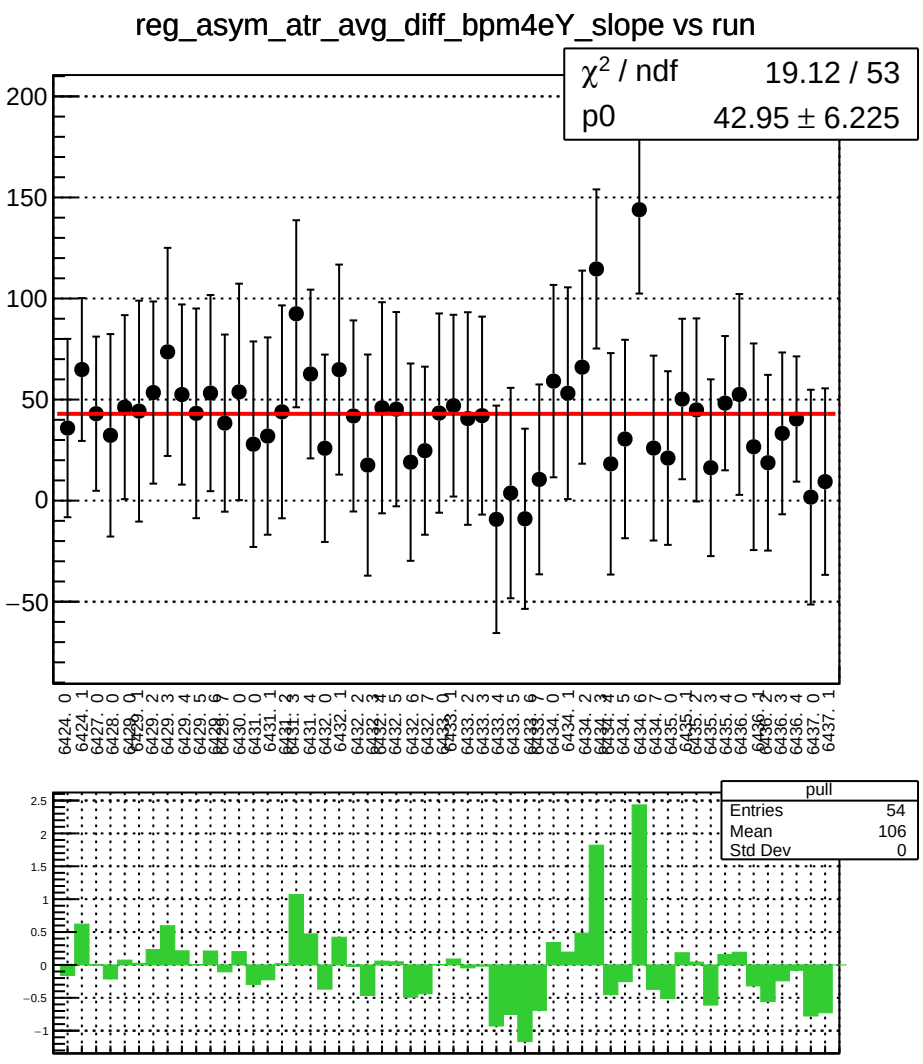

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 40.07 / 53
p0 −283.9 ± 6.051
pull
Entries 54
Mean 89.94
Std Dev 0

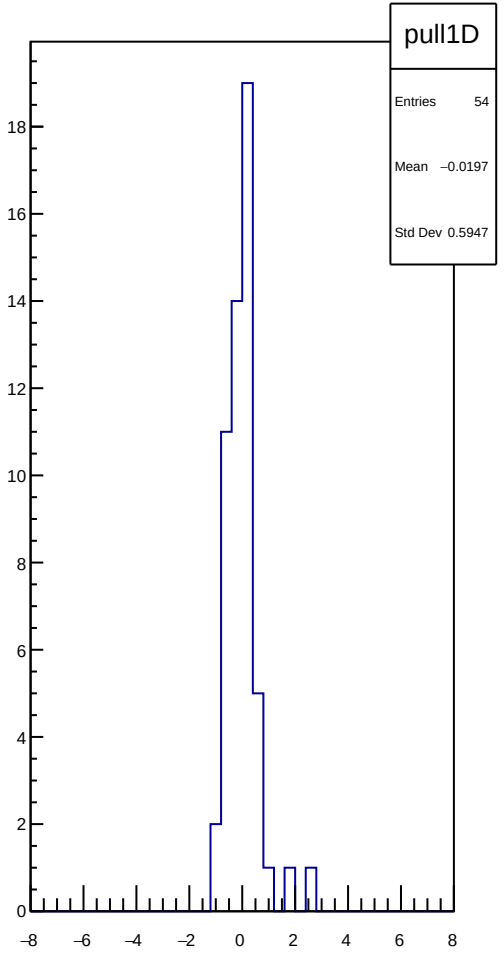

pull1D
Entries 54
Mean −0.04377
Std Dev 0.8603

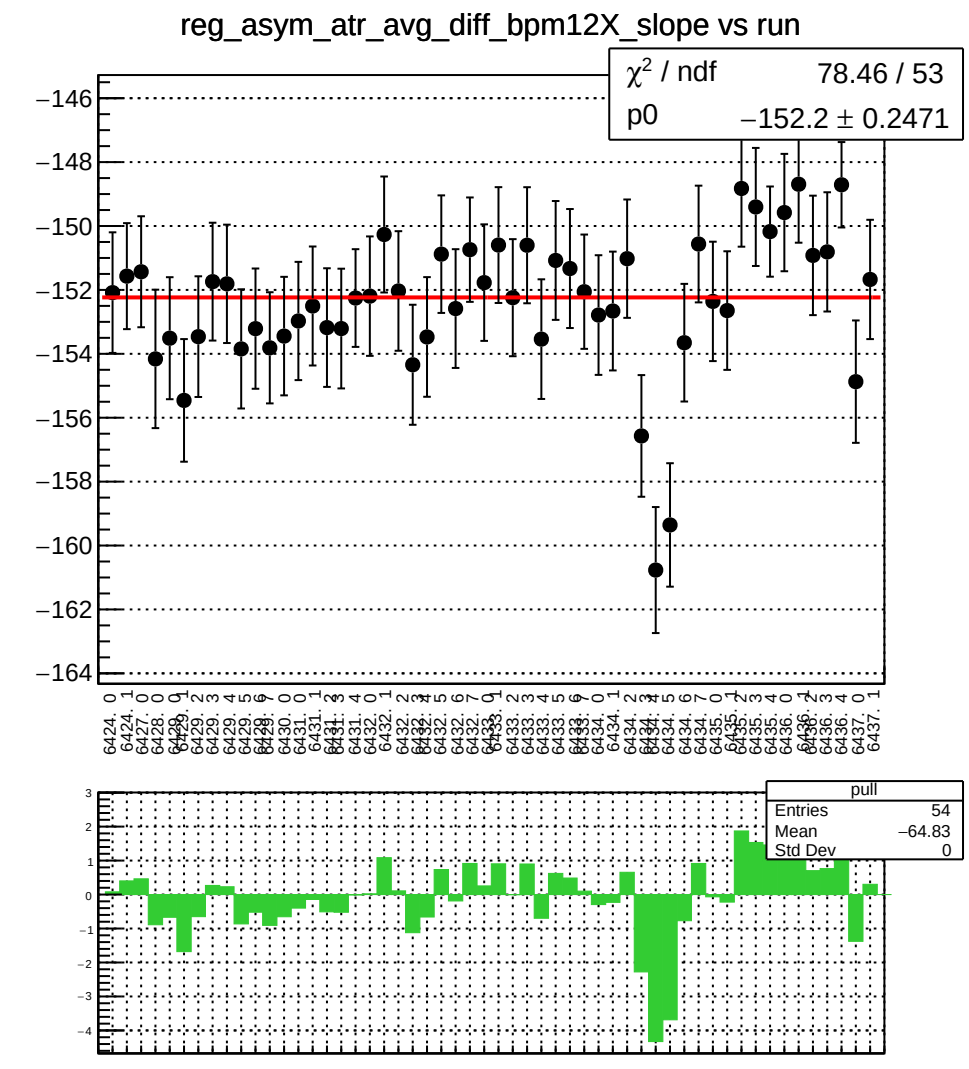

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.94 / 53
p0 31.68 ± 6.108
pull
Entries 54
Mean 94.63
Std Dev 0

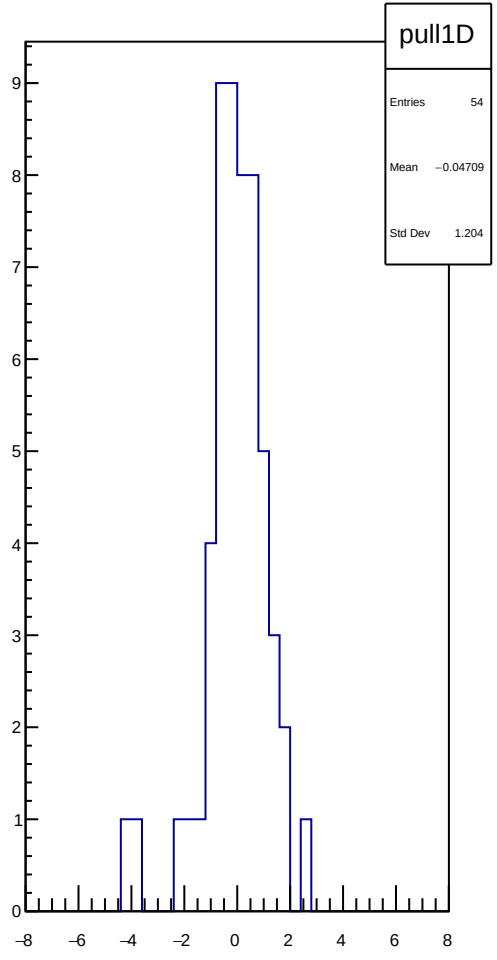

pull1D
Entries 54
Mean 0.01943
Std Dev 0.6073

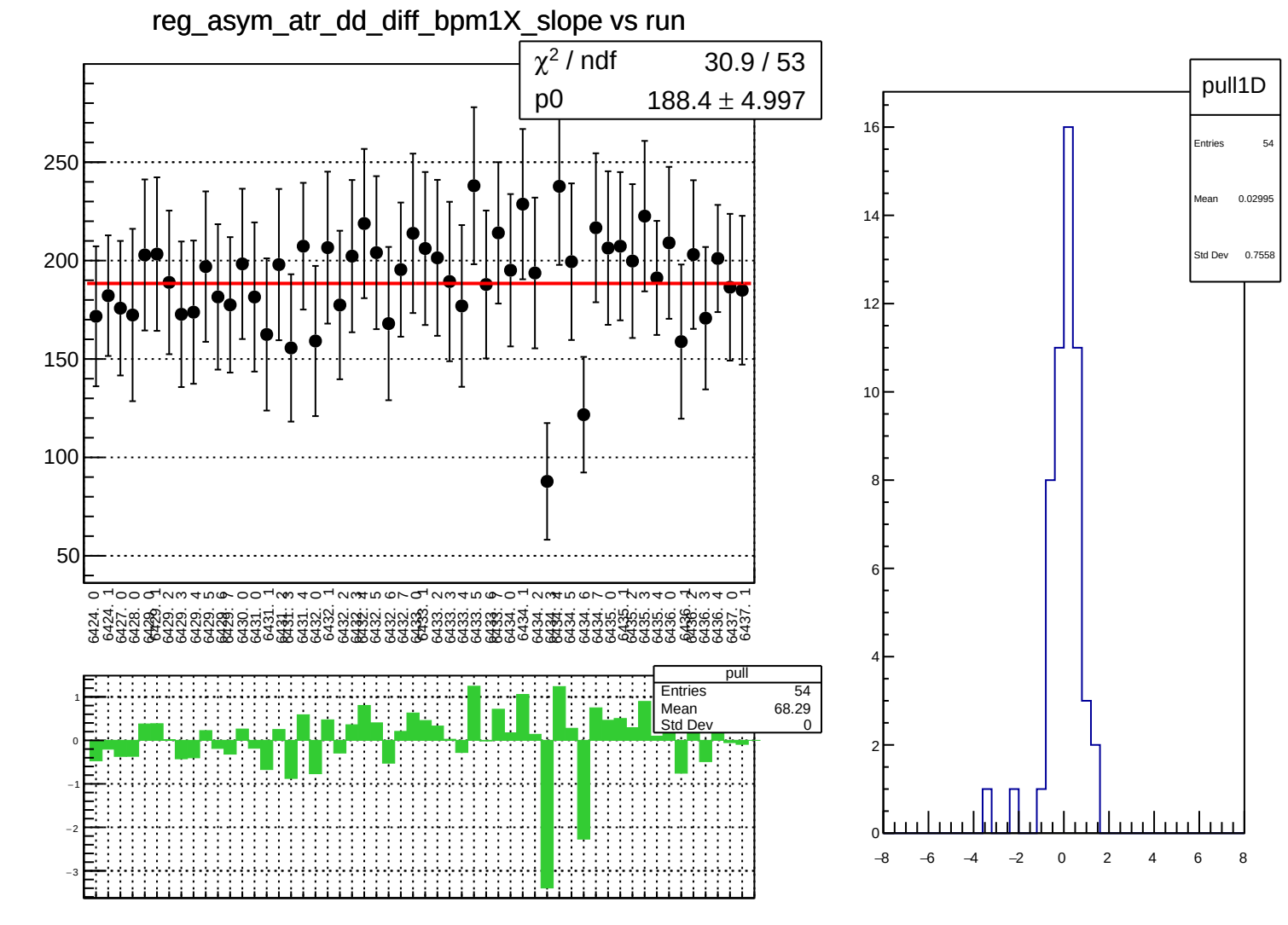

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.98 / 53
p0 329.9 ± 6.325
pull
Entries 54
Mean 92.11
Std Dev 0
pull1D
Entries 54
Mean 0.04397
Std Dev 0.8593

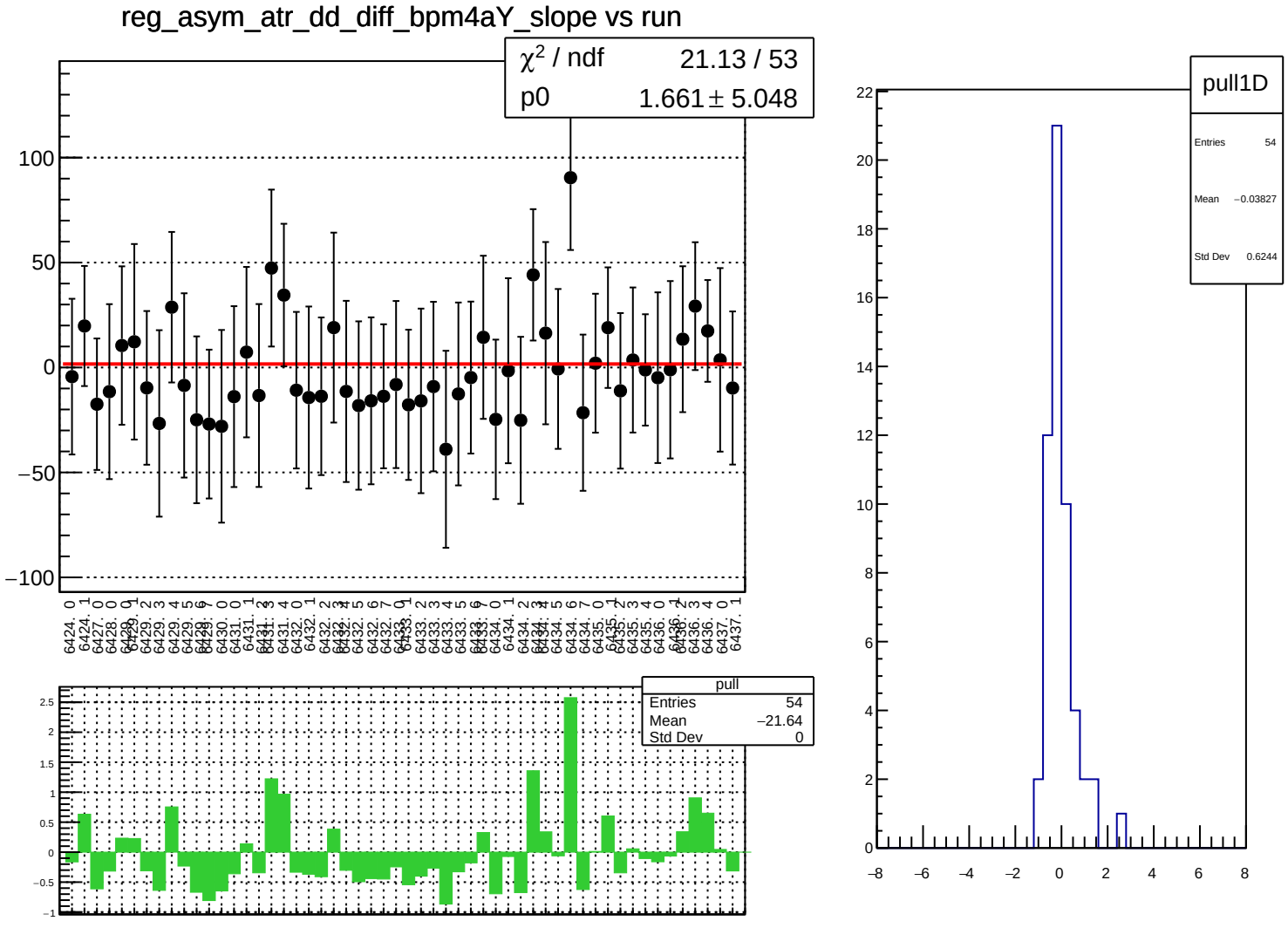

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.12 / 53
p0 42.95 ± 6.225
pull
Entries 54
Mean 106
Std Dev 0

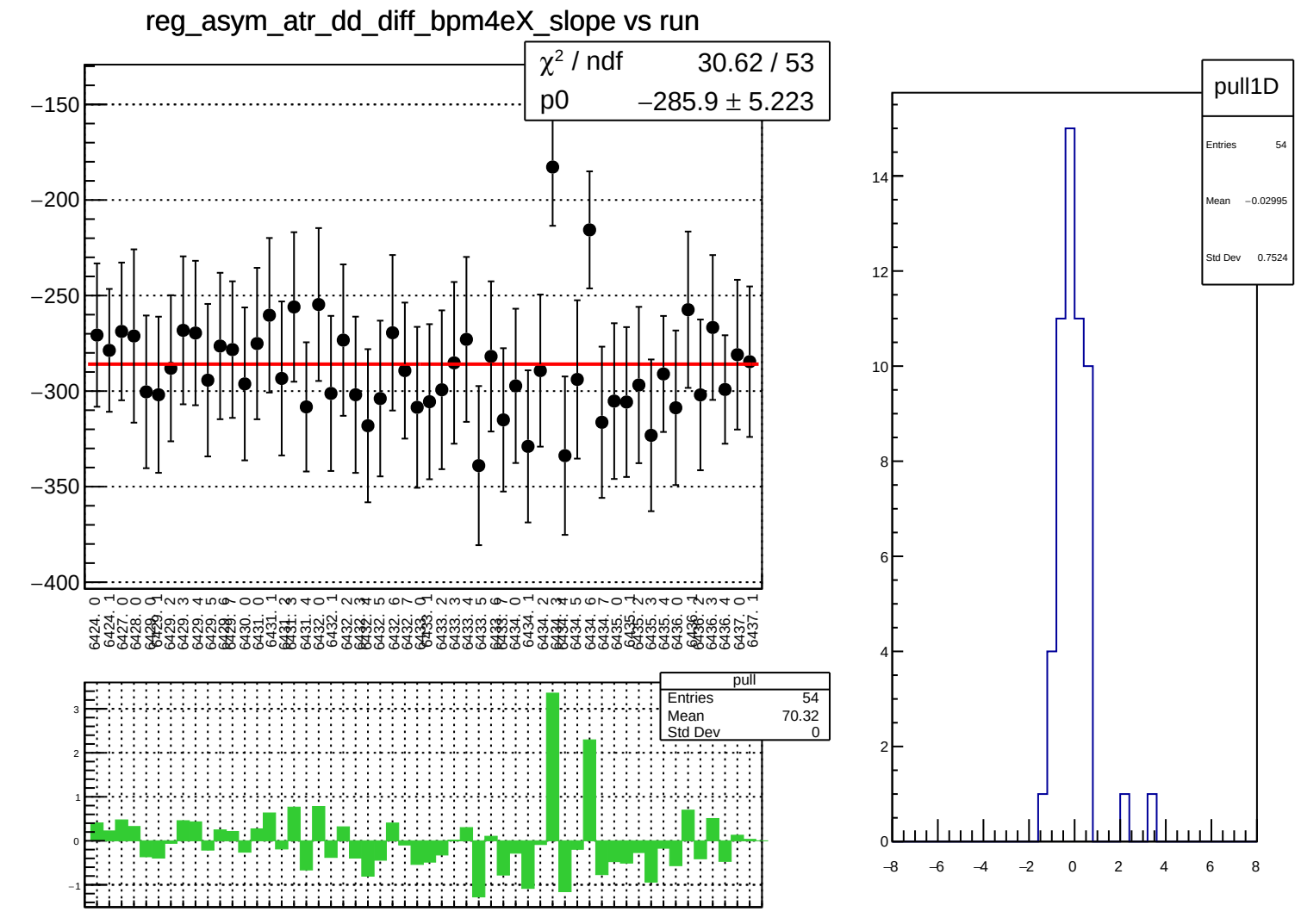

pull1D
Entries 54
Mean −0.0197
Std Dev 0.5947

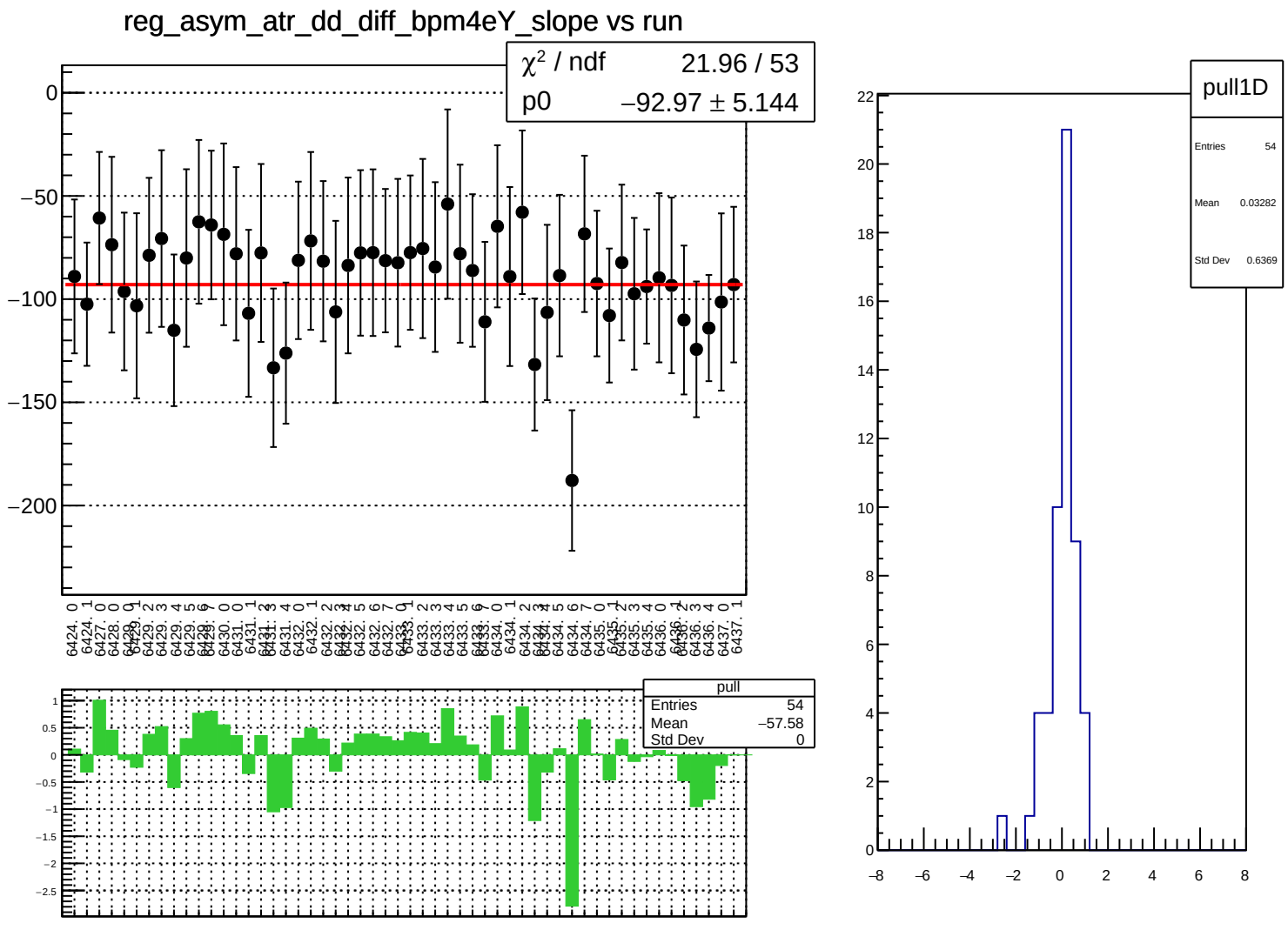

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 78.46 / 53
p0 −152.2 ± 0.2471
pull
Entries 54
Mean −64.83
Std Dev 0

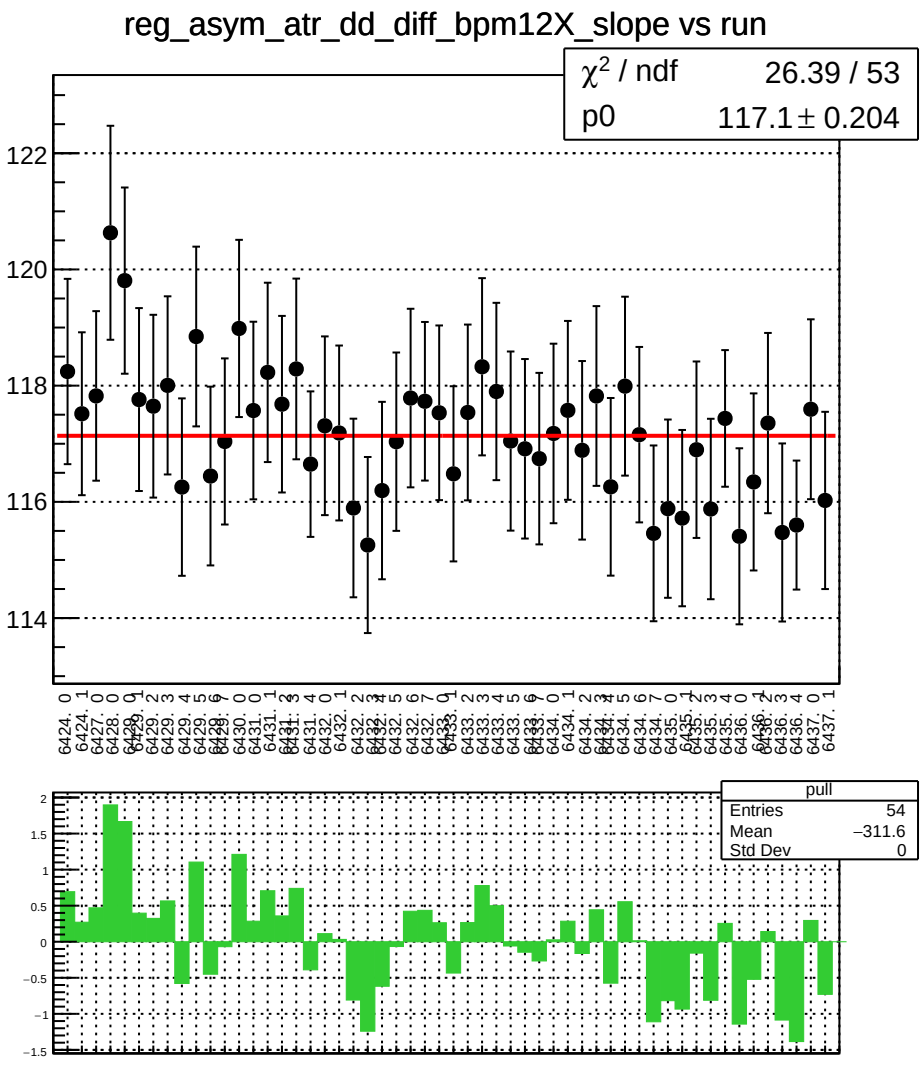

pull1D
Entries 54
Mean −0.04709
Std Dev 1.204

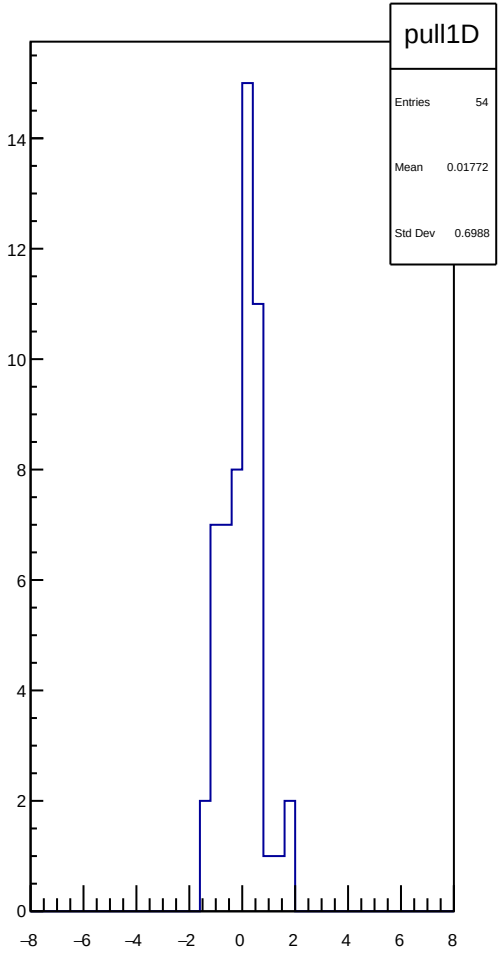

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 30.9 / 53
p0 188.4 ± 4.997
250
200
150
100
50
pull
Entries 54
Mean 68.29
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 54
Mean 0.02995
Std Dev 0.7558
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

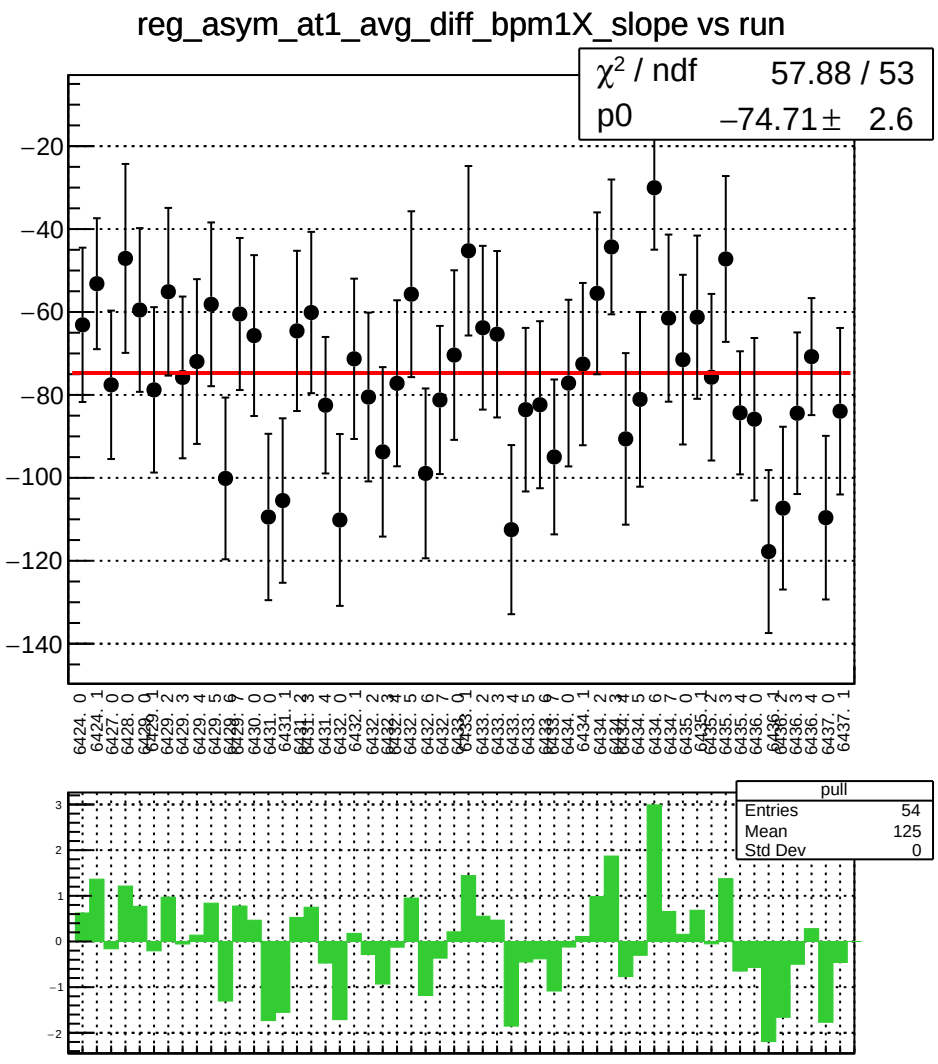

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 21.13 / 53
p0 1.661 ± 5.048
pull
Entries 54
Mean −21.64
Std Dev 0
pull1D
Entries 54
Mean −0.03827
Std Dev 0.6244

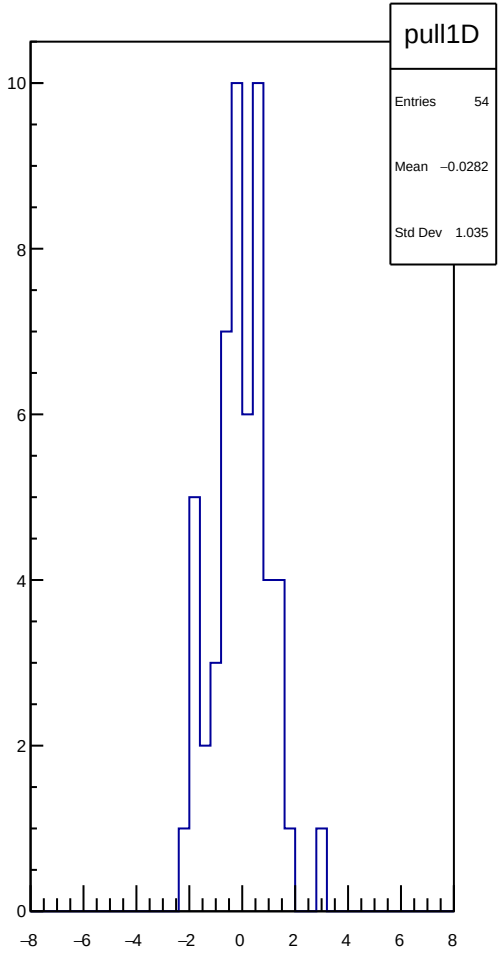

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.62 / 53
p0 −285.9 ± 5.223
pull
Entries 54
Mean 70.32
Std Dev 0
pull1D
Entries 54
Mean −0.02995
Std Dev 0.7524

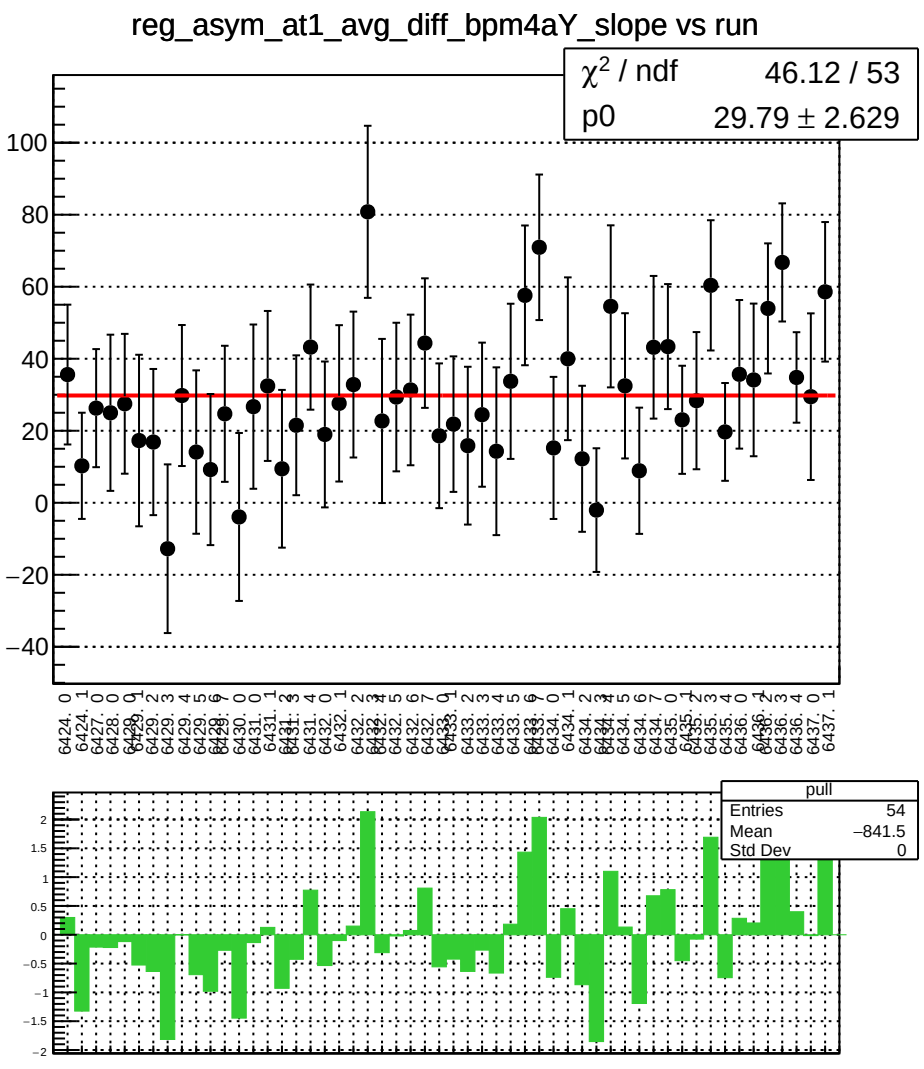

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.96 / 53
p0 −92.97 ± 5.144
pull
Entries 54
Mean −57.58
Std Dev 0
pull1D
Entries 54
Mean 0.03282
Std Dev 0.6369

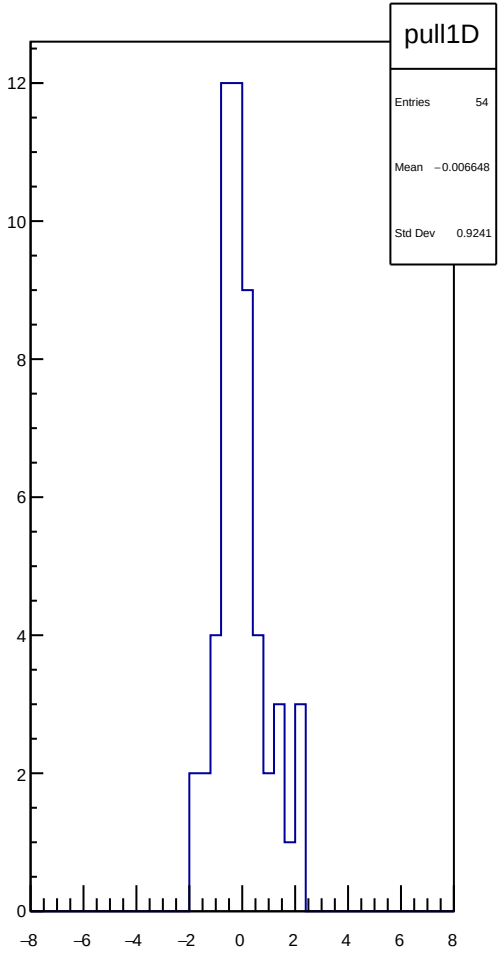

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 26.39 / 53
p0 117.1 ± 0.204
122
120
118
116
114
pull
Entries 54
Mean −311.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

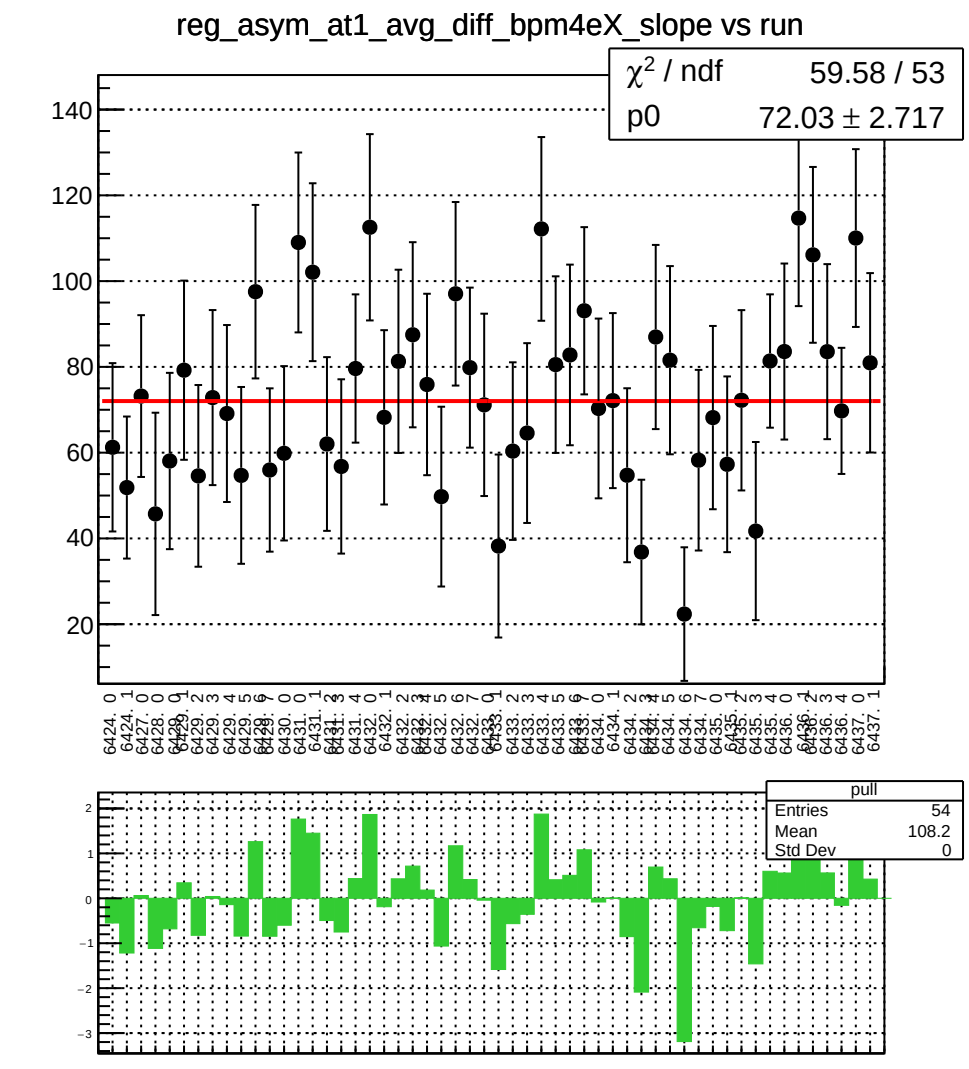

pull1D
Entries 54
Mean 0.01772
Std Dev 0.6988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

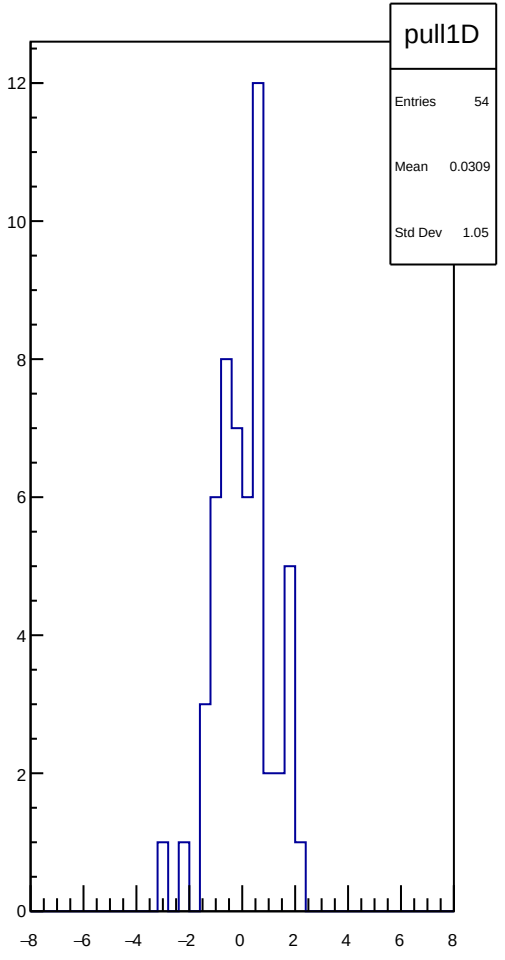

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 57.88 / 53
p0 −74.71 ± 2.6
pull
Entries 54
Mean 125
Std Dev 0

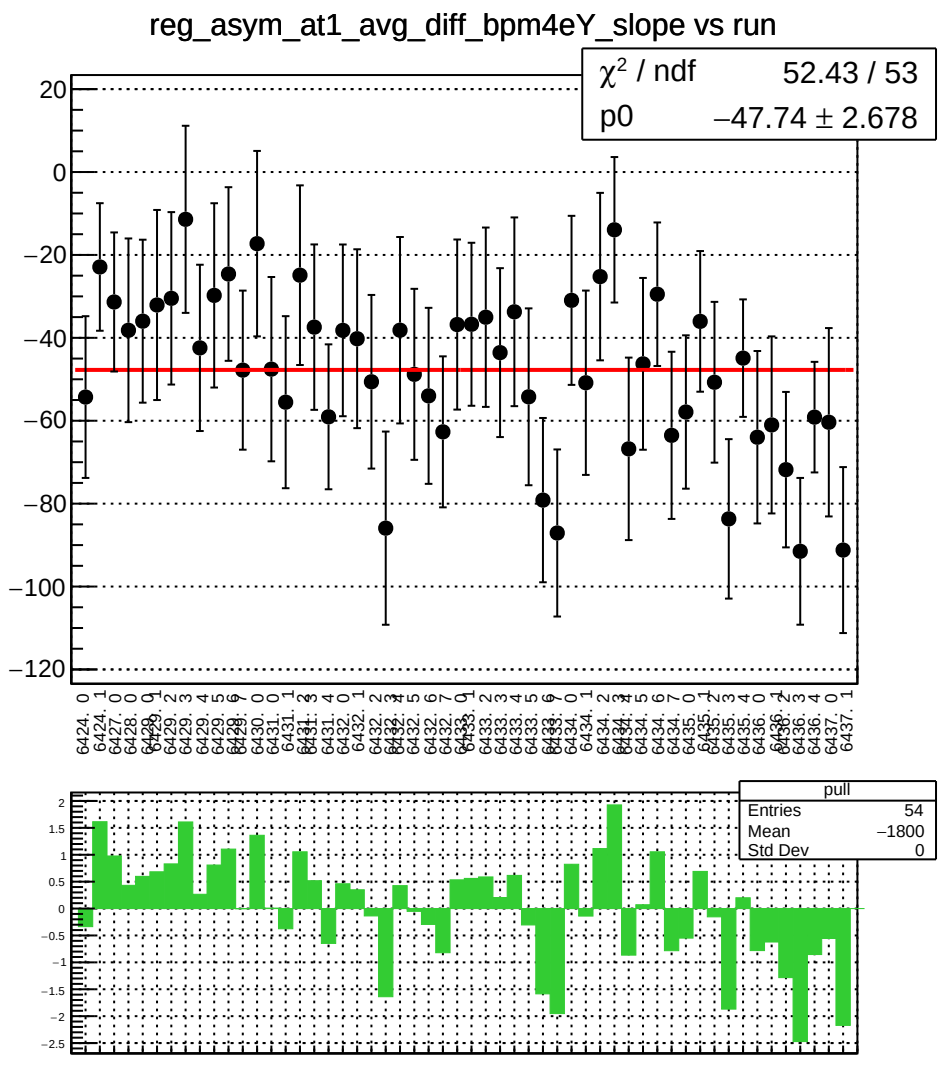

pull1D
Entries 54
Mean −0.0282
Std Dev 1.035

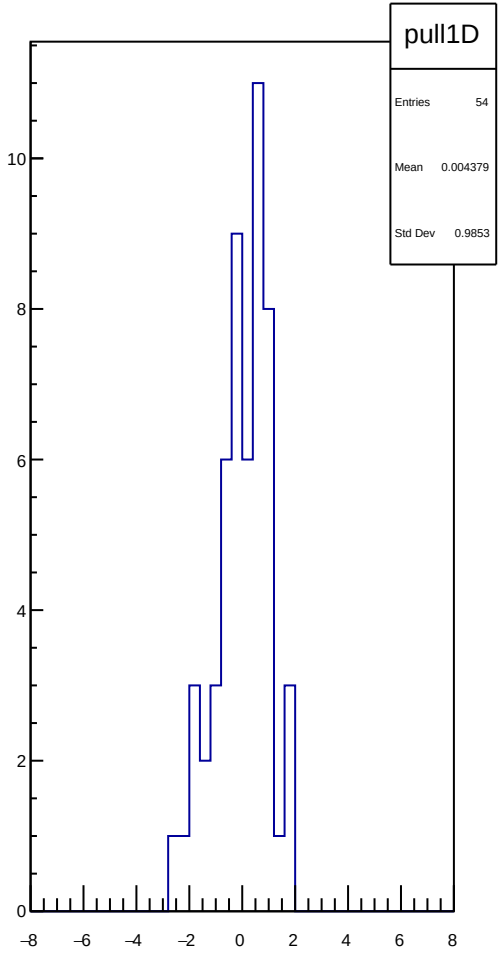

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.12 / 53
p0 29.79 ± 2.629
pull
Entries 54
Mean −841.5
Std Dev 0

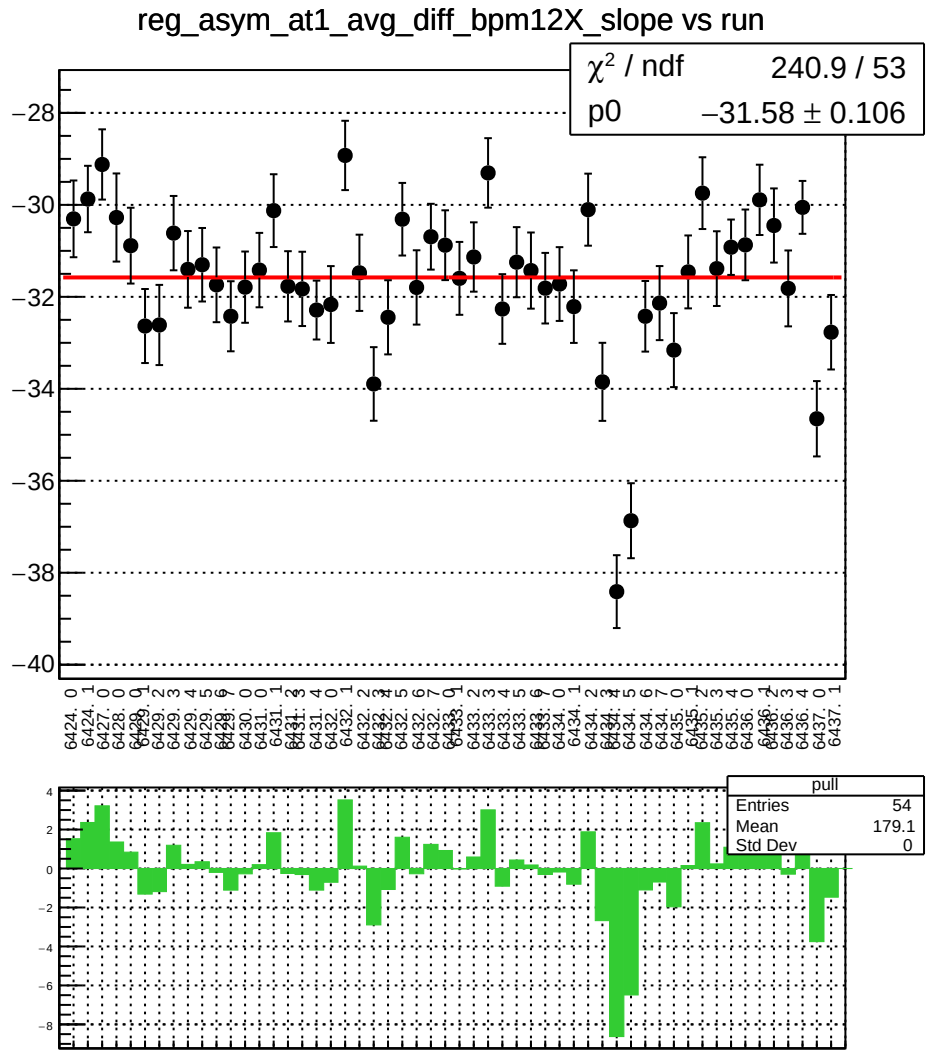

pull1D
Entries 54
Mean −0.006648
Std Dev 0.9241

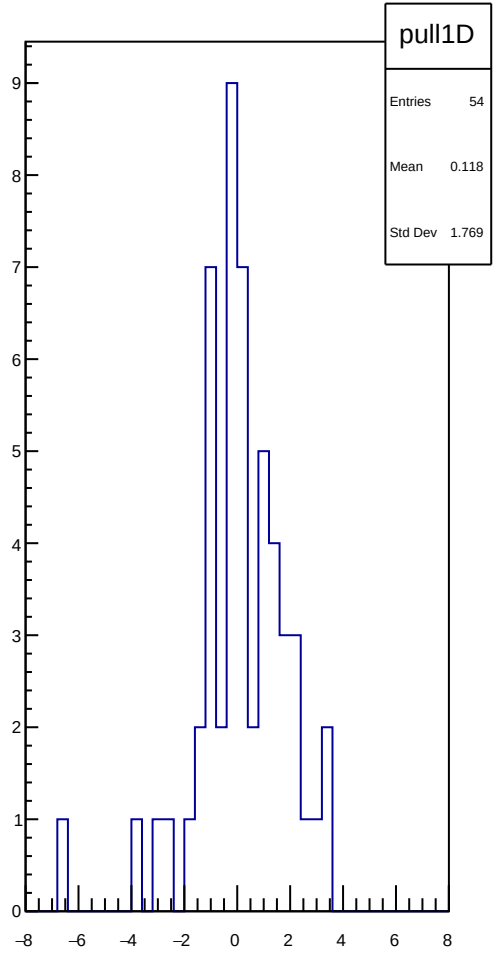

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.58 / 53
p0 72.03 ± 2.717
pull
Entries 54
Mean 108.2
Std Dev 0

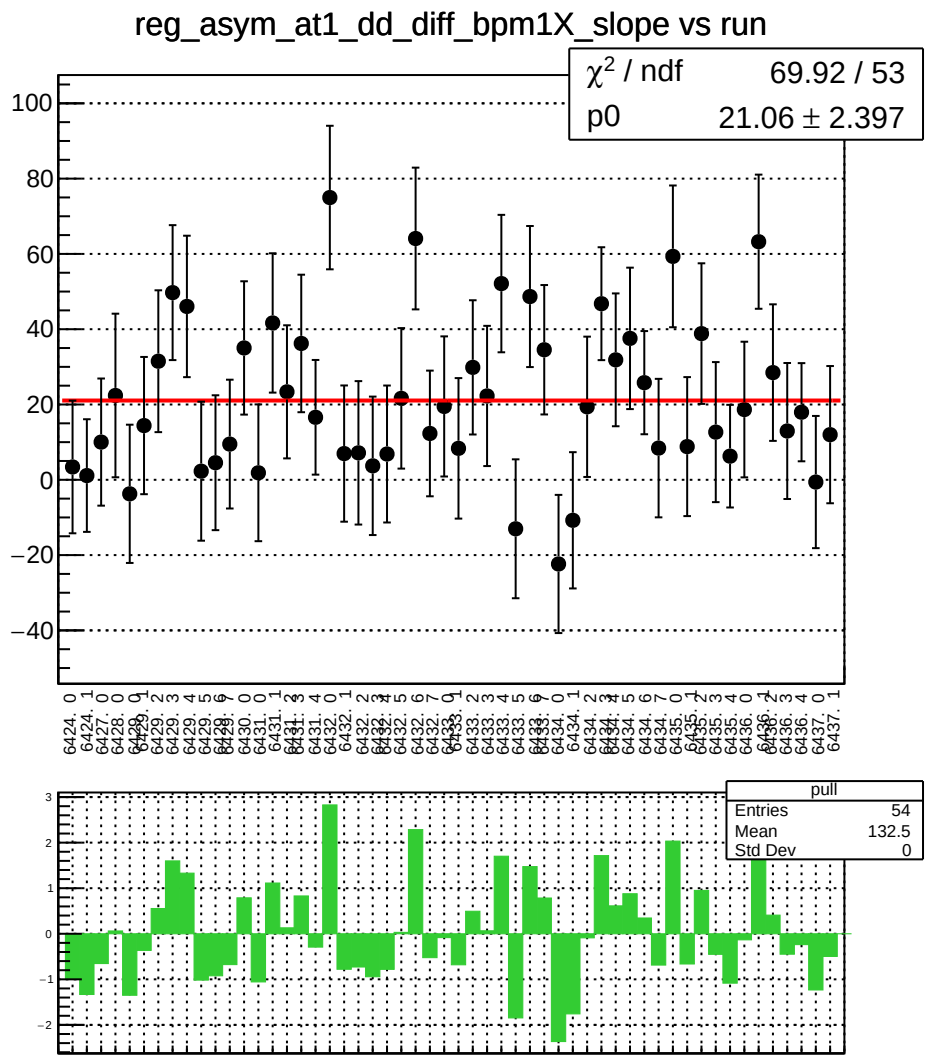

pull1D
Entries 54
Mean 0.0309
Std Dev 1.05

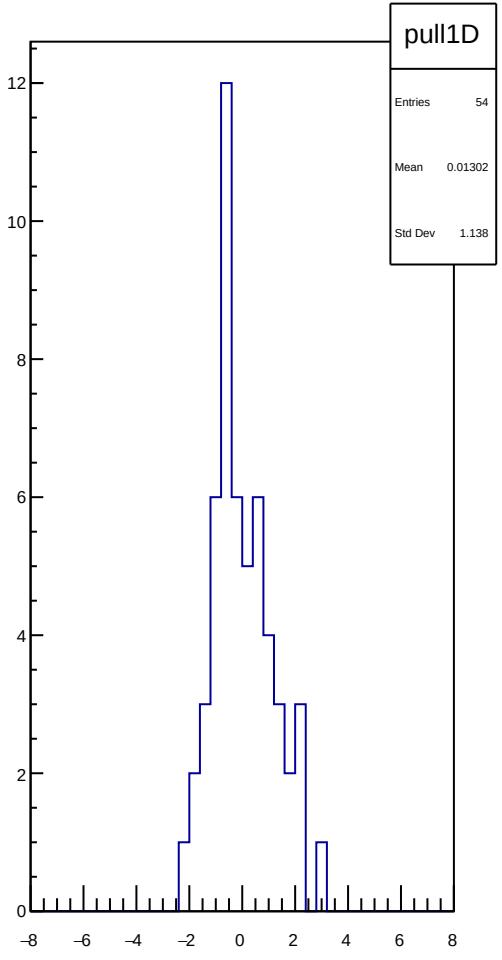

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.43 / 53
p0 −47.74 ± 2.678
pull
Entries 54
Mean −1800
Std Dev 0

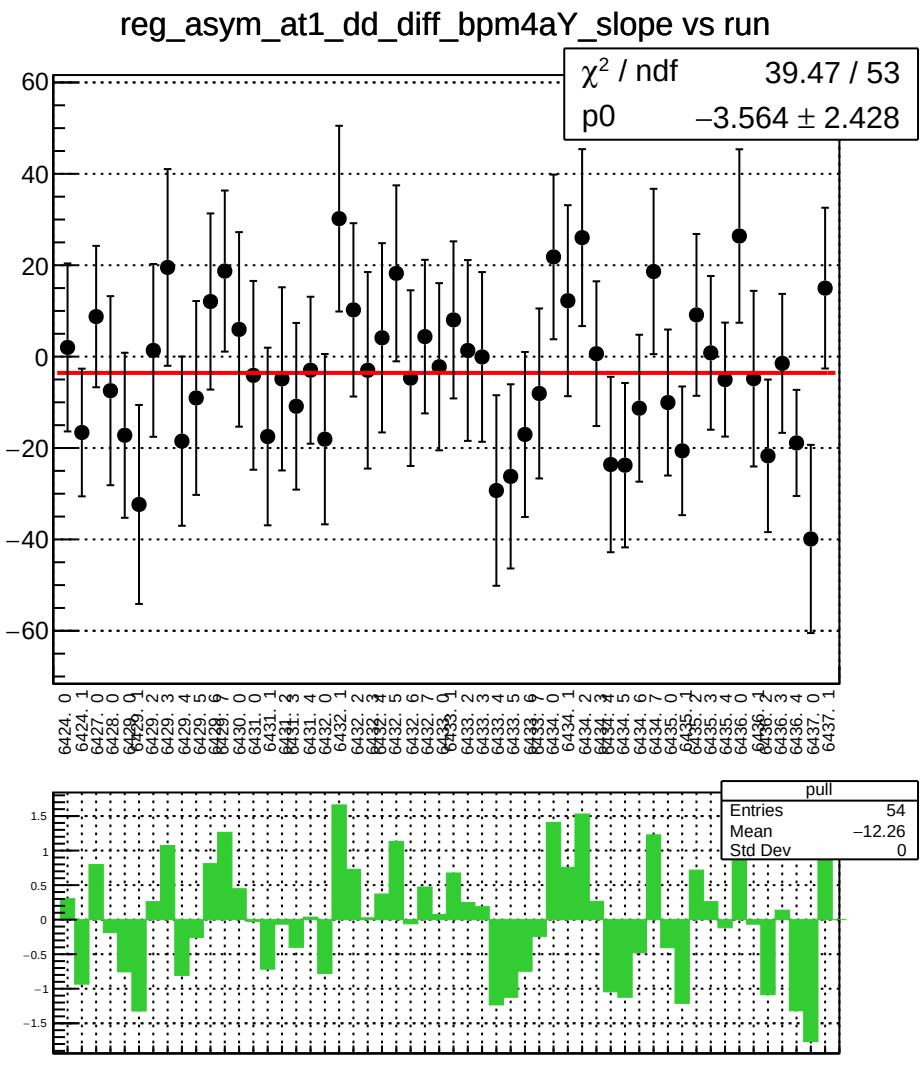

pull1D
Entries 54
Mean 0.004379
Std Dev 0.9853

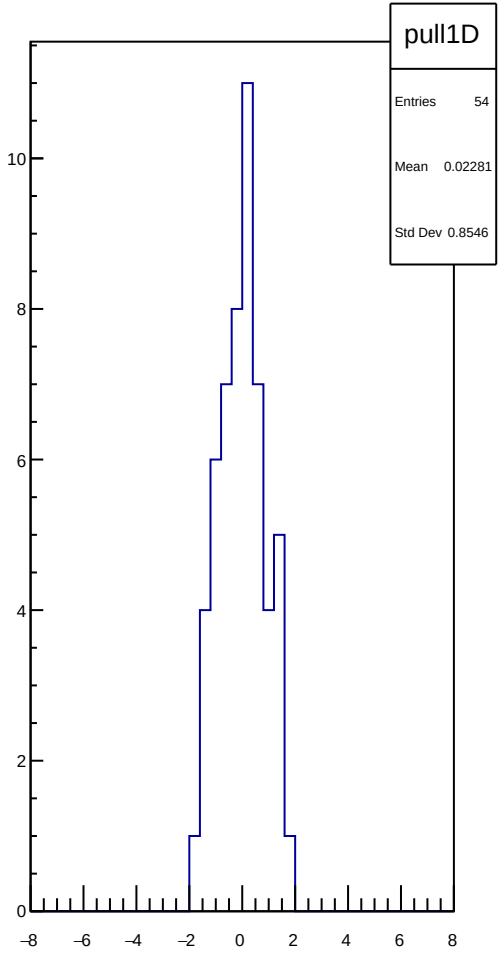

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 240.9 / 53
p0 −31.58 ± 0.106
pull
Entries 54
Mean 179.1
Std Dev 0

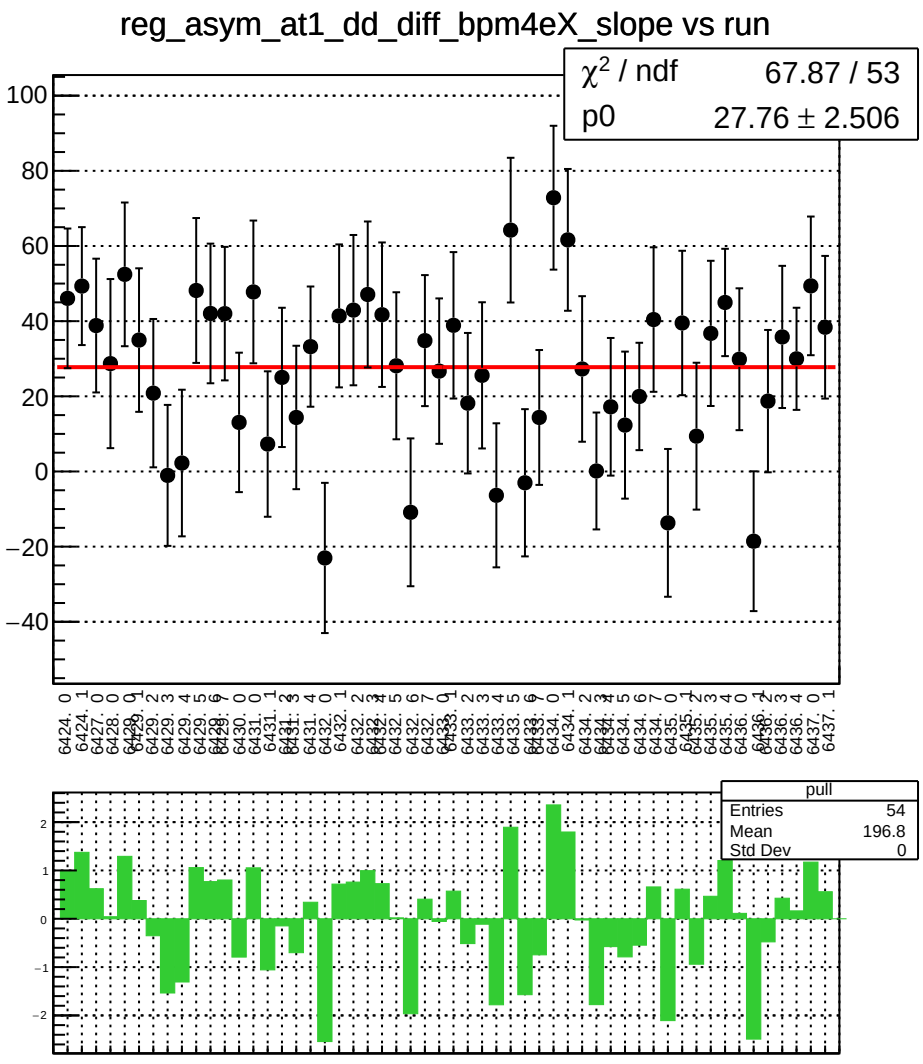

pull1D
Entries 54
Mean 0.118
Std Dev 1.769

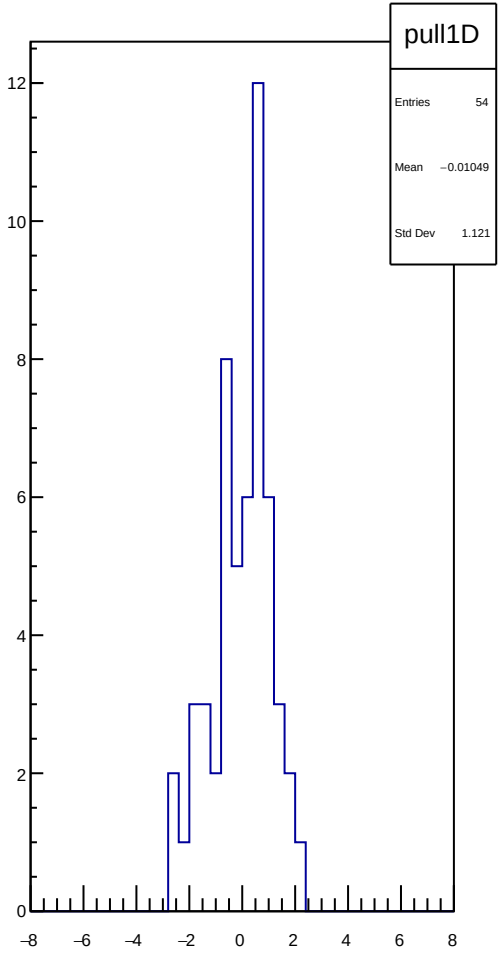

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 69.92 / 53
p0 21.06 ± 2.397
pull
Entries 54
Mean 132.5
Std Dev 0

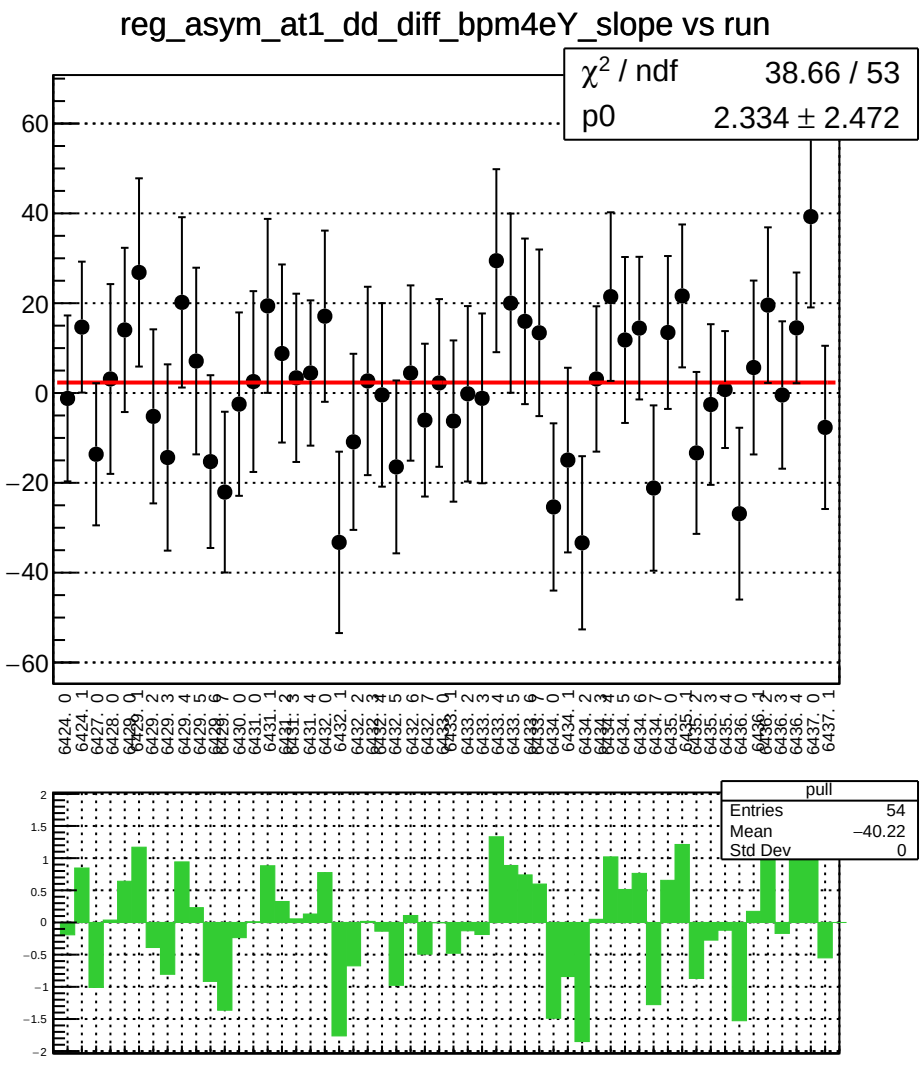

pull1D
Entries 54
Mean 0.01302
Std Dev 1.138

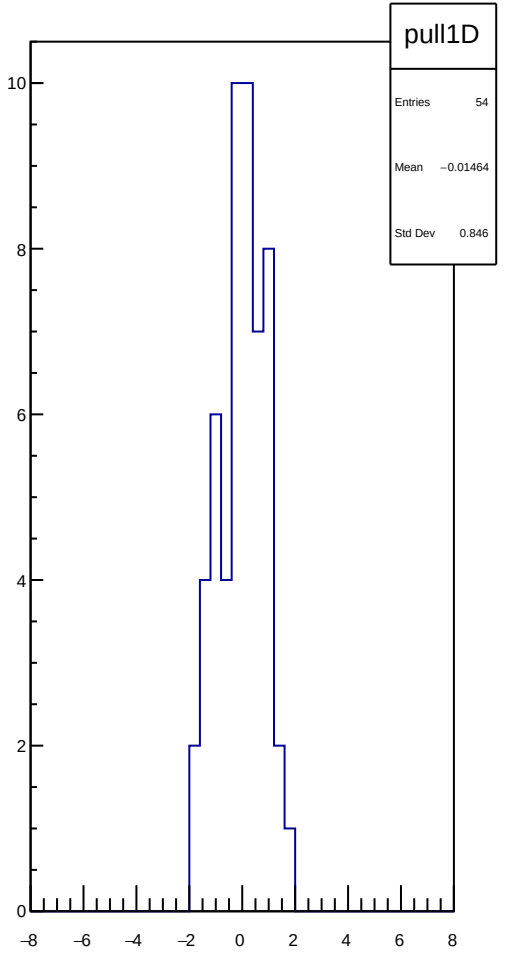

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.47 / 53
p0 −3.564 ± 2.428
pull
Entries 54
Mean −12.26
Std Dev 0

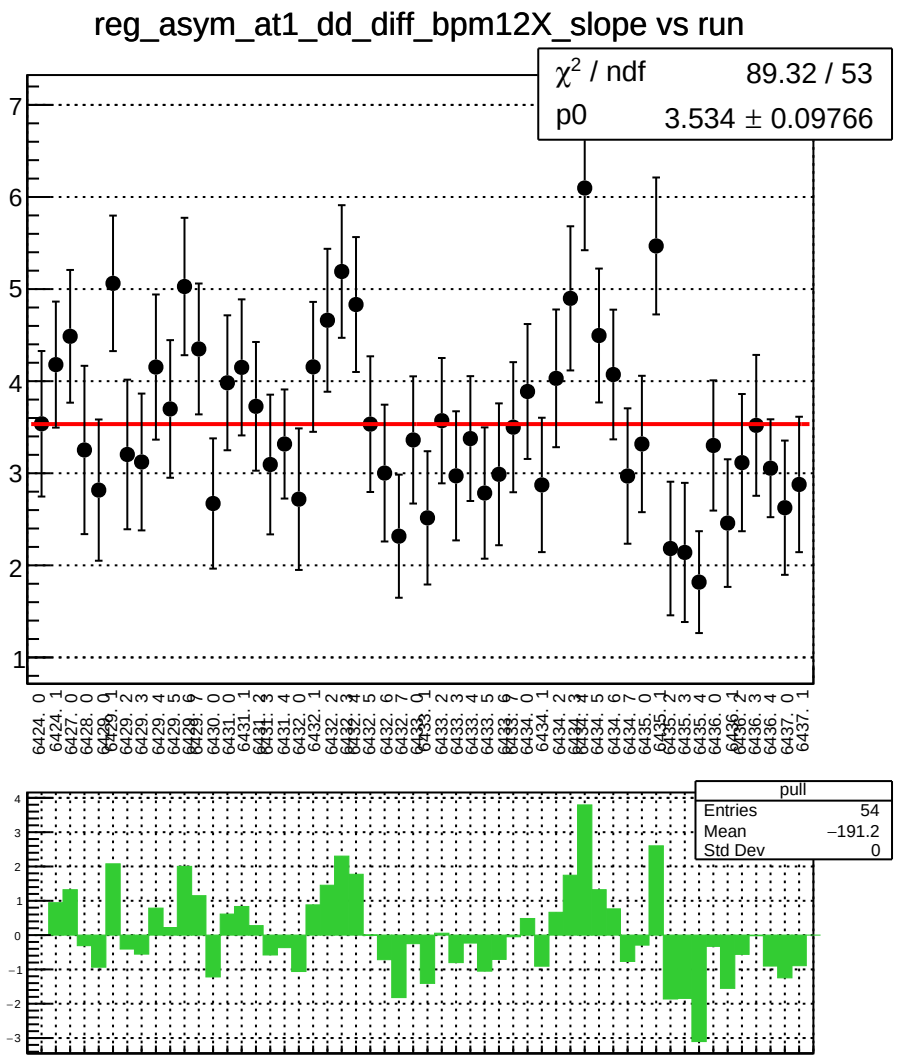

pull1D
Entries 54
Mean 0.02281
Std Dev 0.8546

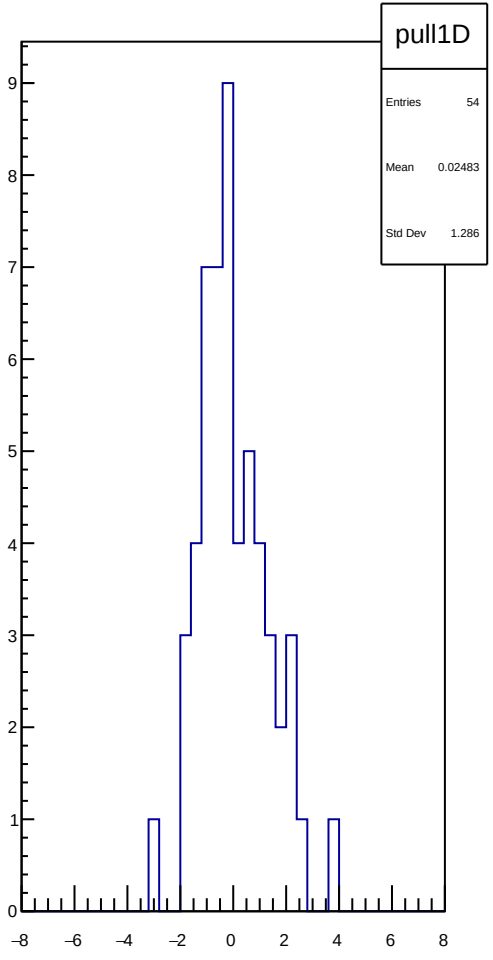

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.87 / 53
p0 27.76 ± 2.506
pull
Entries 54
Mean 196.8
Std Dev 0

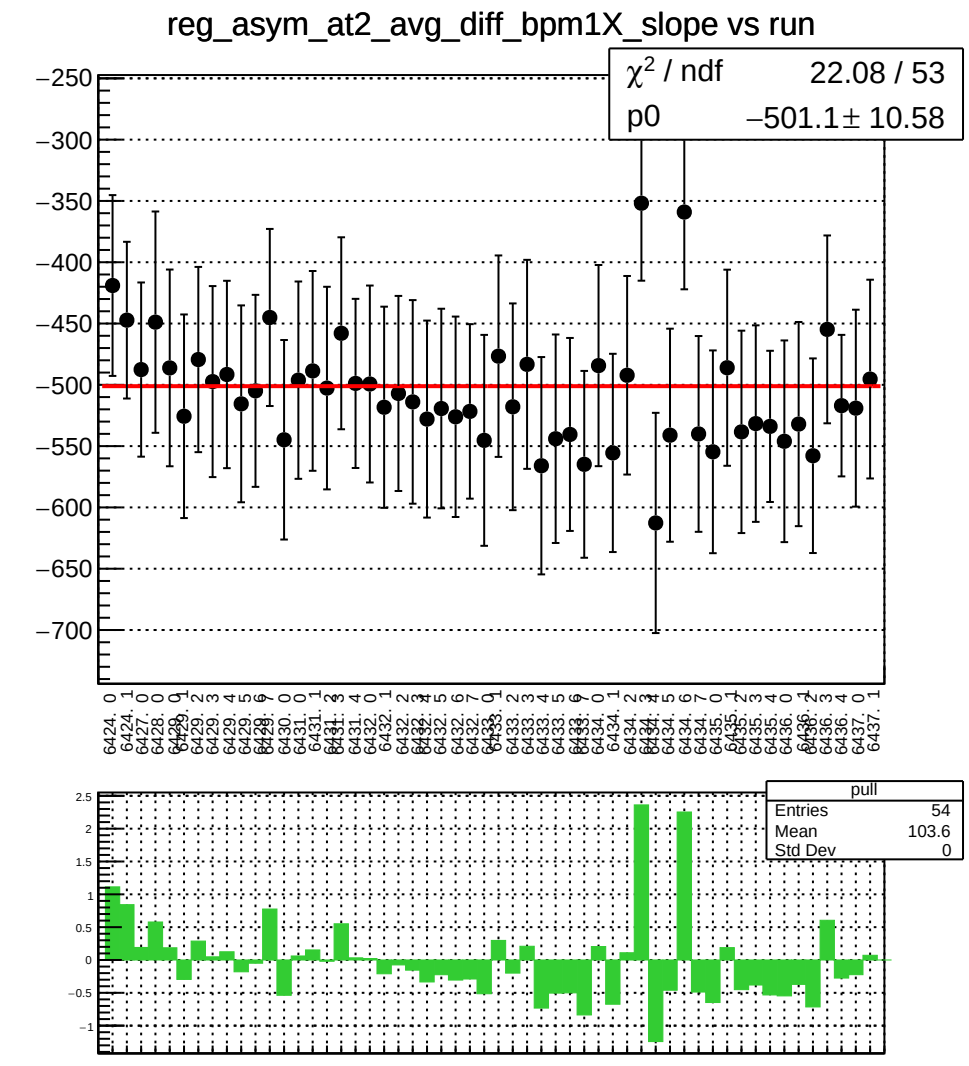

pull1D
Entries 54
Mean −0.01049
Std Dev 1.121

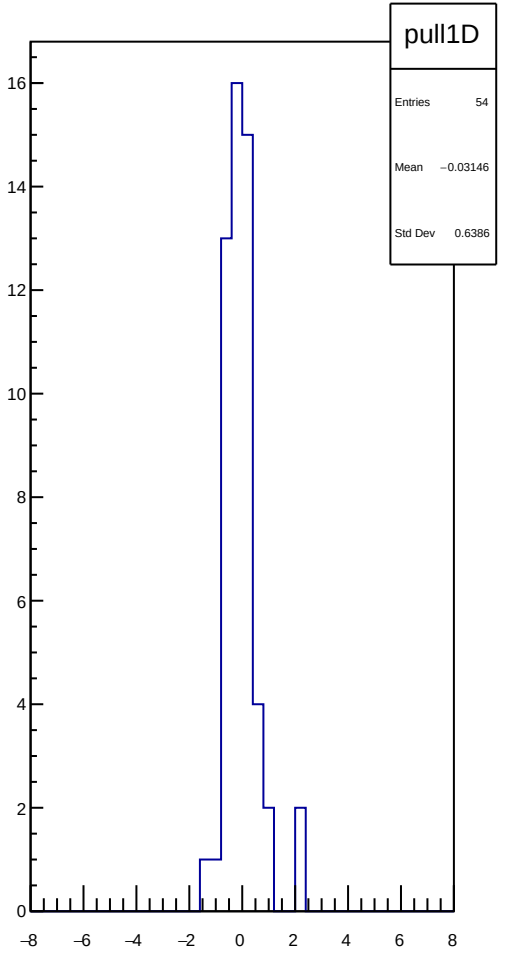

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.66 / 53
p0 2.334 ± 2.472
pull
Entries 54
Mean −40.22
Std Dev 0

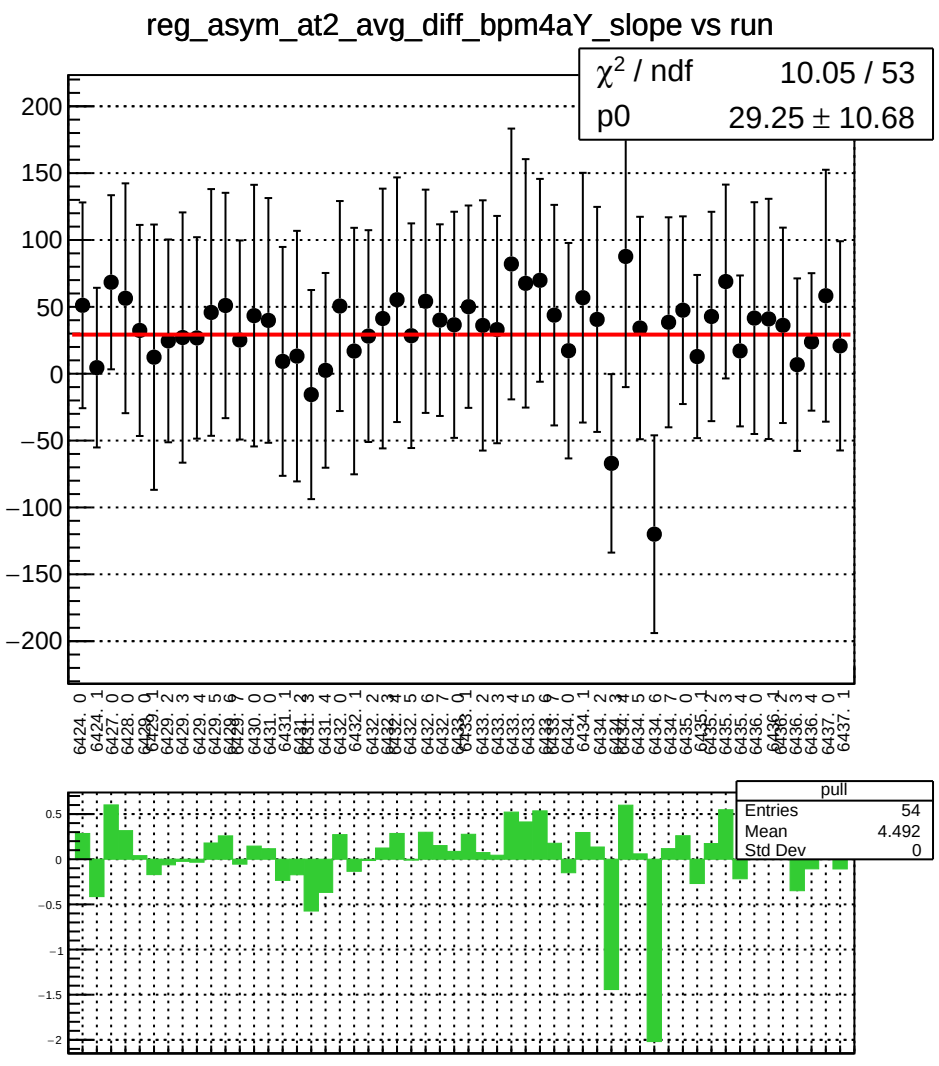

pull1D
Entries 54
Mean −0.01464
Std Dev 0.846

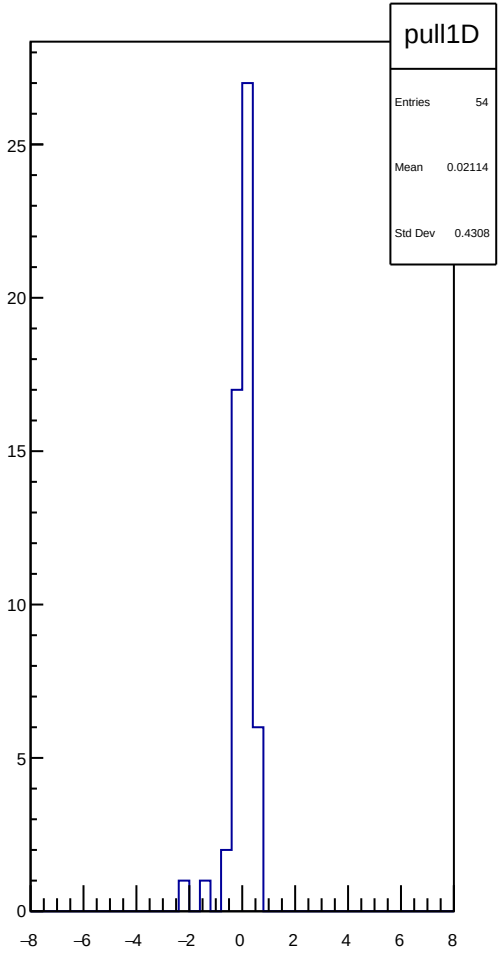

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 89.32 / 53
p0 3.534 ± 0.09766
pull
Entries 54
Mean −191.2
Std Dev 0

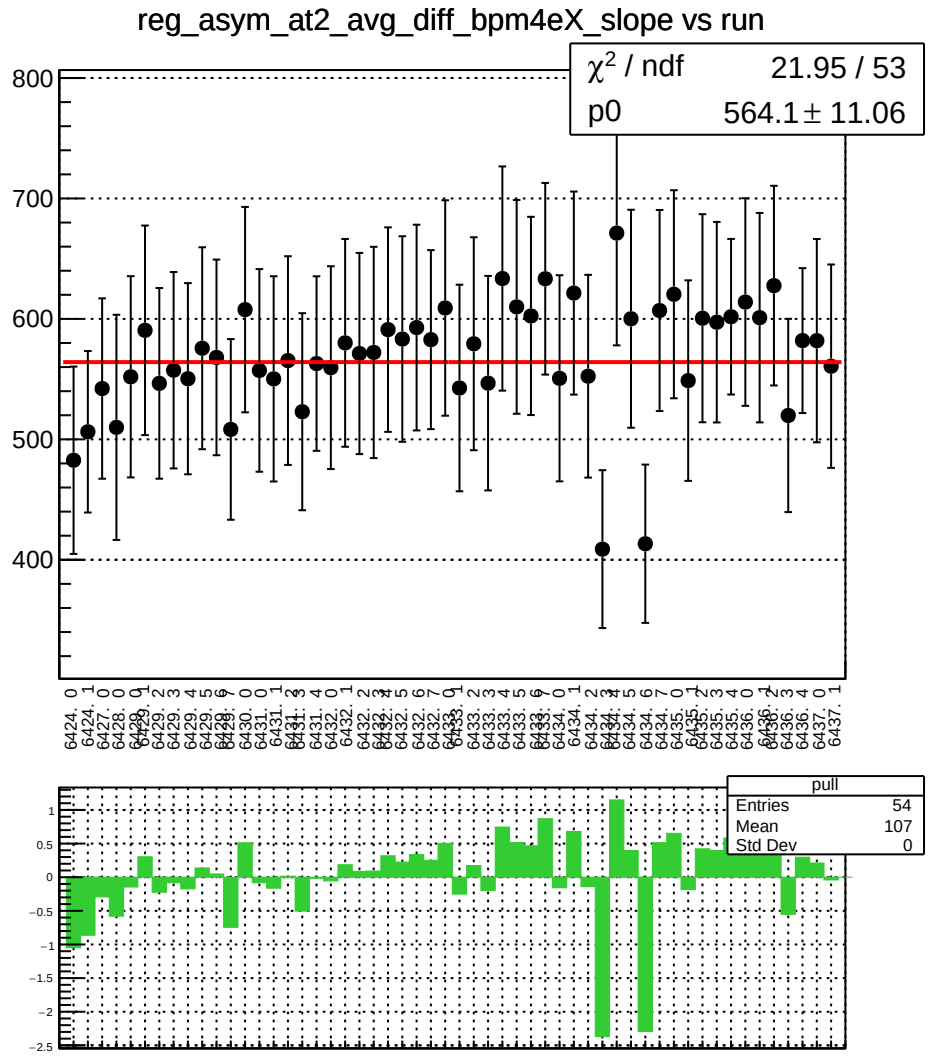

pull1D
Entries 54
Mean 0.02483
Std Dev 1.286

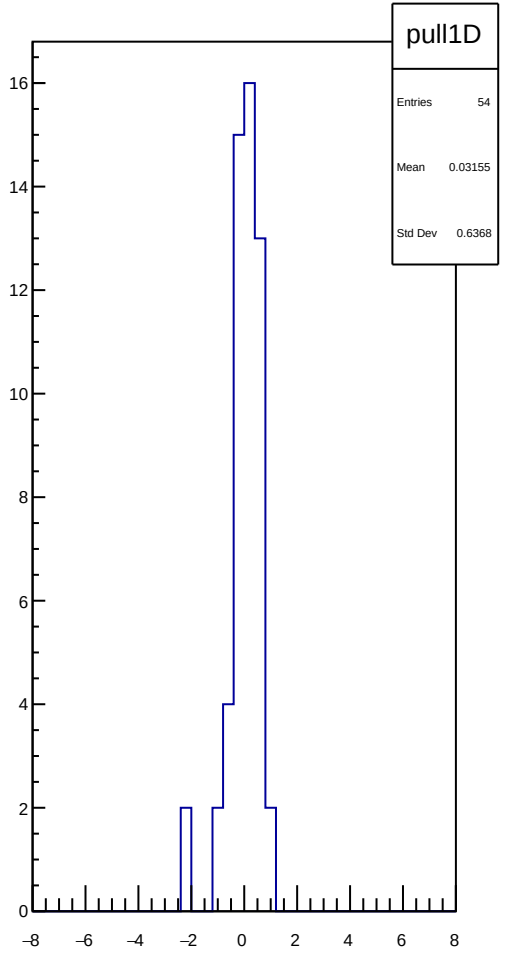

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 22.08 / 53
p0 −501.1± 10.58
pull
Entries 54
Mean 103.6
Std Dev 0

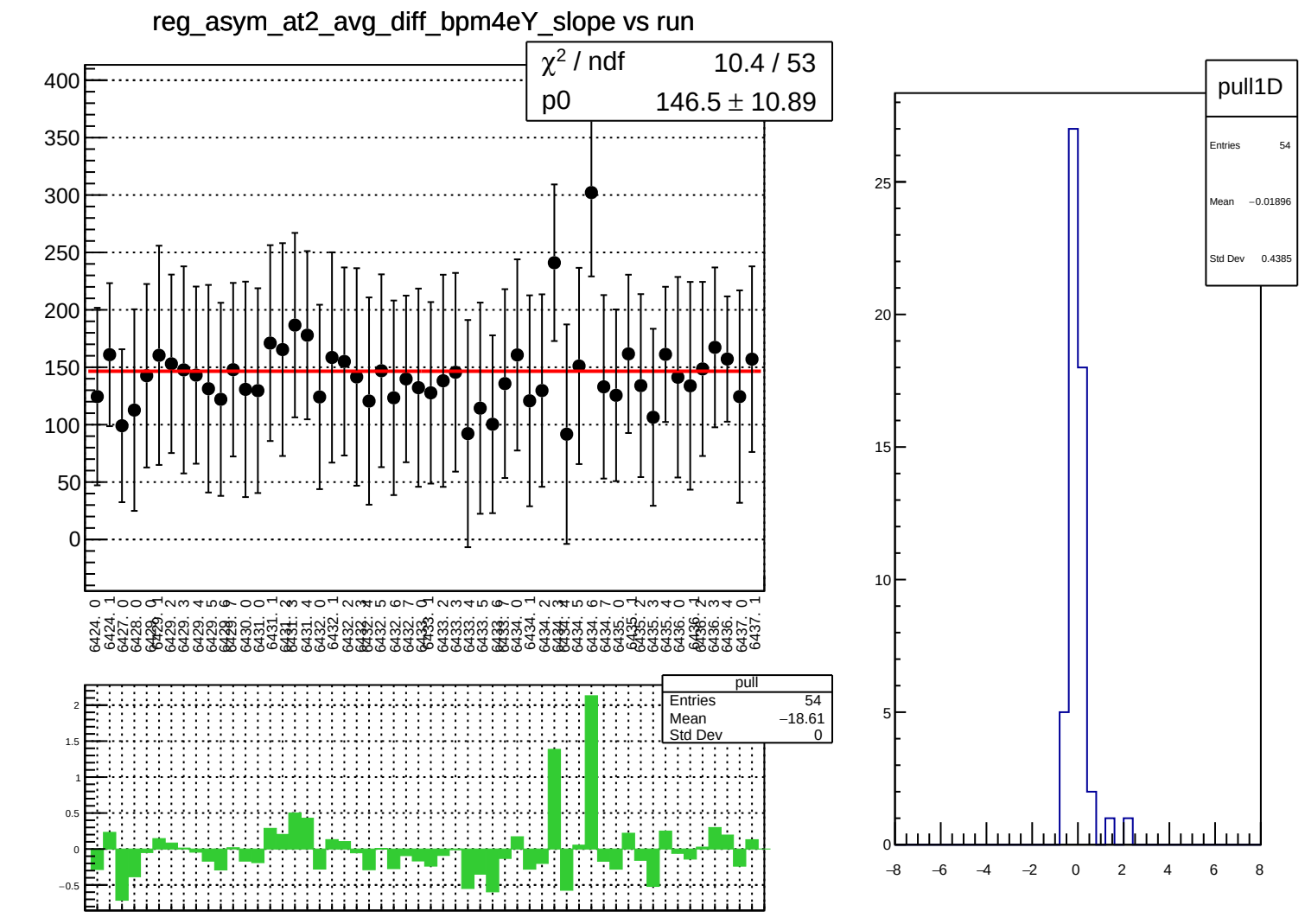

pull1D
Entries 54
Mean −0.03146
Std Dev 0.6386

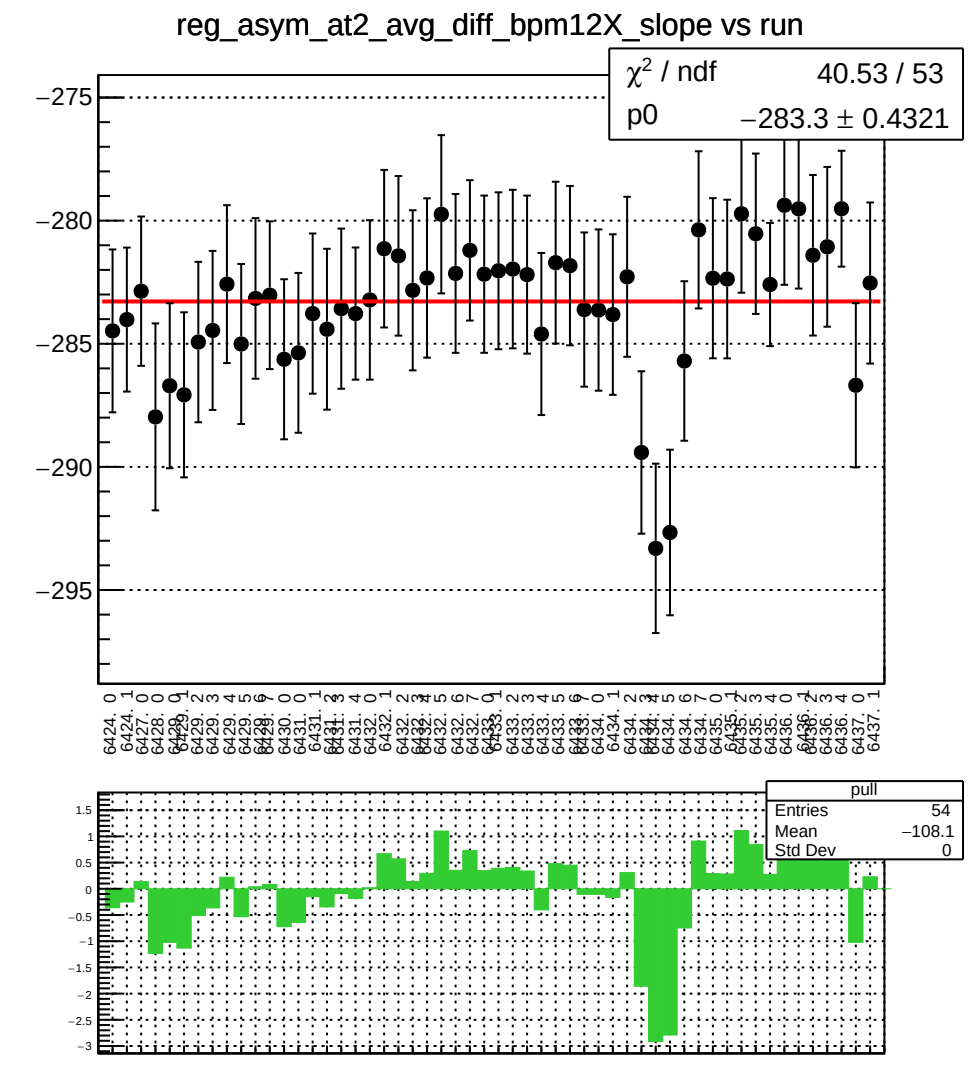

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.05 / 53
p0 29.25 ± 10.68
pull
Entries 54
Mean 4.492
Std Dev 0

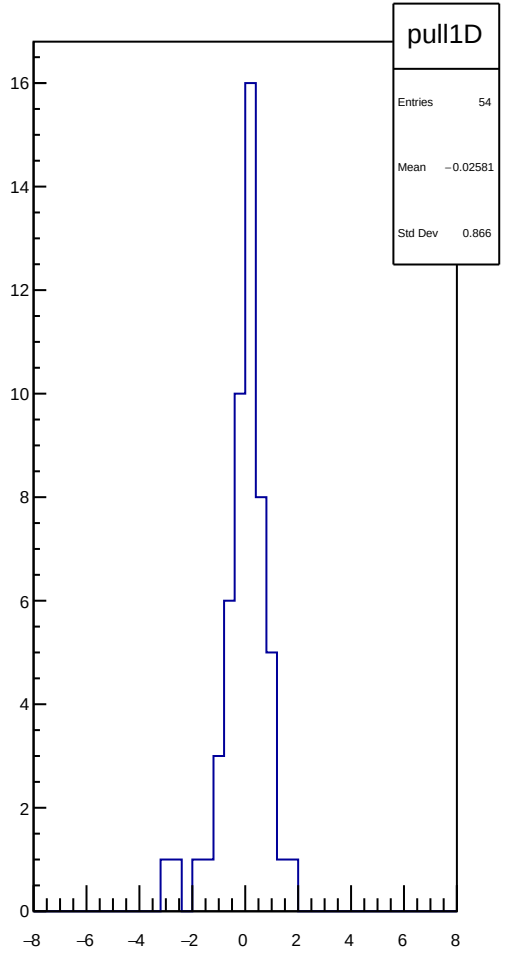

pull1D
Entries 54
Mean 0.02114
Std Dev 0.4308

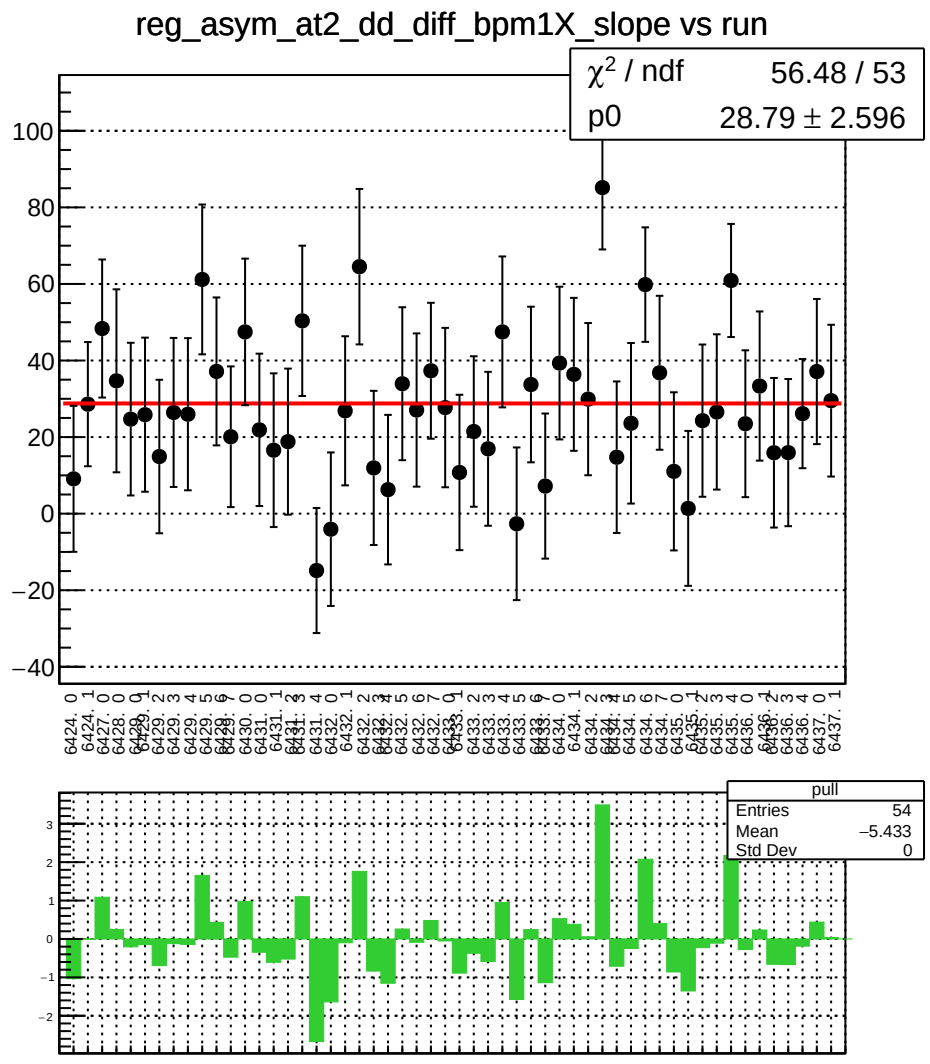

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.95 / 53
p0 564.1 ± 11.06
800
700
600
500
400
pull
Entries 54
Mean 107
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

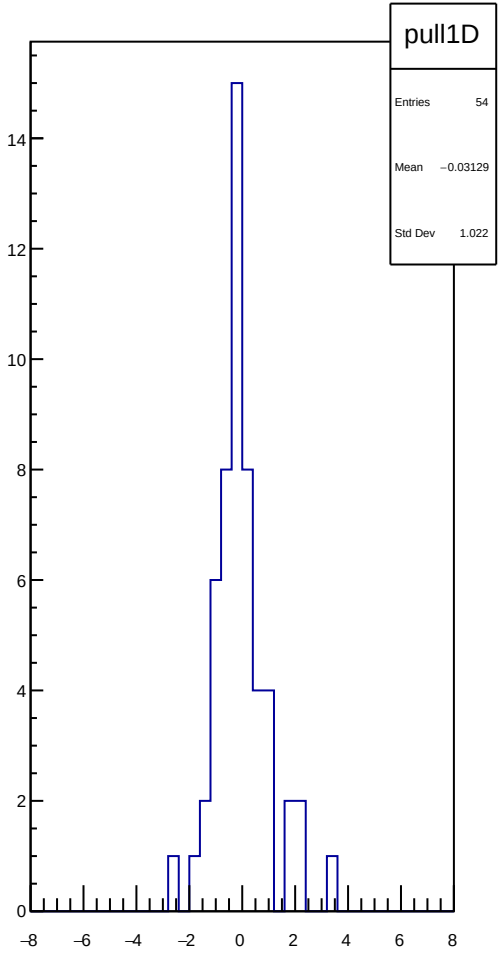

pull1D
Entries 54
Mean 0.03155
Std Dev 0.6368
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

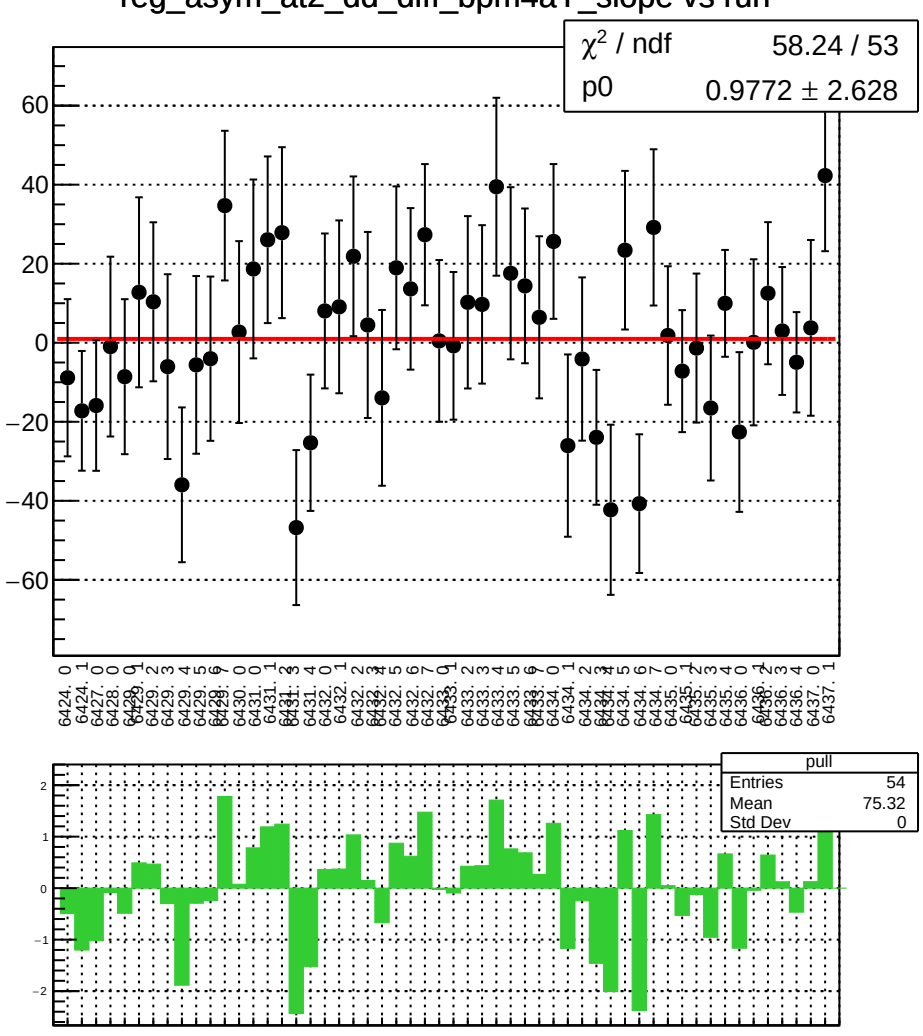

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.4 / 53
p0 146.5 ± 10.89
pull
Entries 54
Mean −18.61
Std Dev 0
pull1D
Entries 54
Mean −0.01896
Std Dev 0.4385

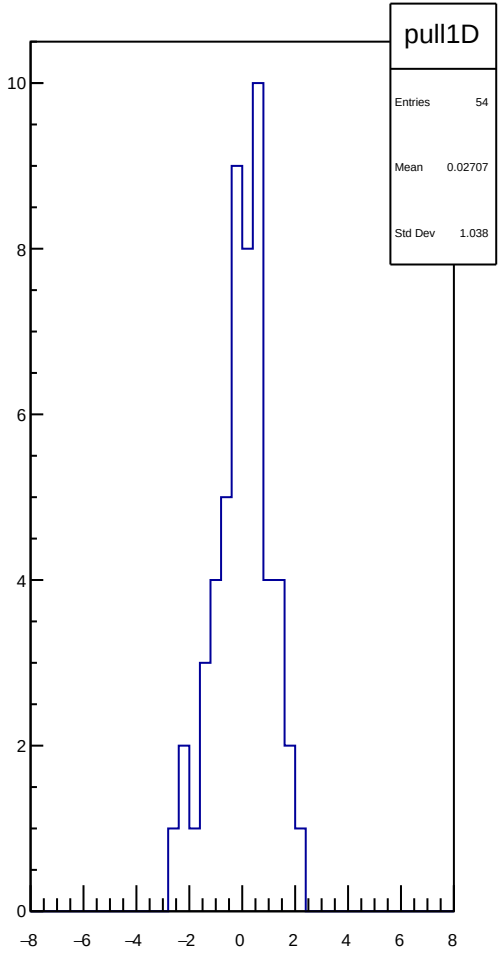

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.53 / 53
p0 −283.3 ± 0.4321
−275
−280
−285
−290
−295
pull
Entries 54
Mean −108.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

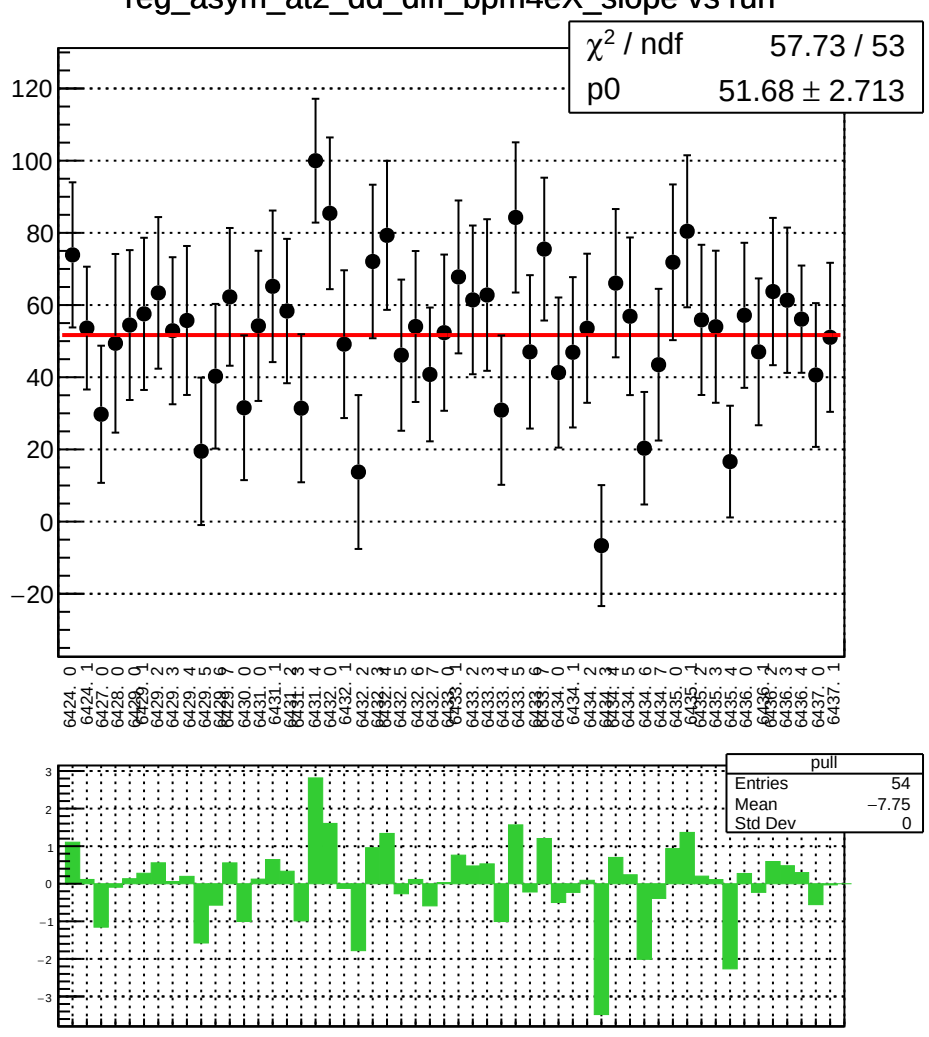

pull1D
Entries 54
Mean −0.02581
Std Dev 0.866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

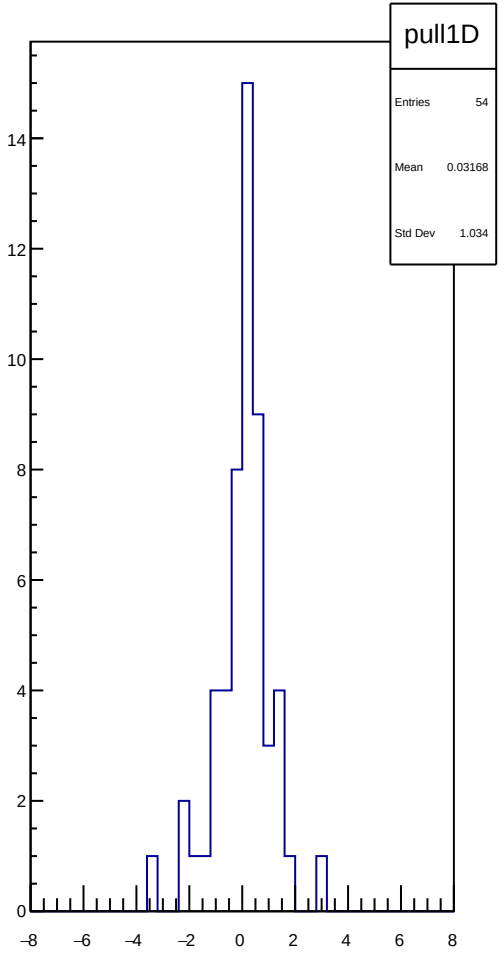

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 56.48 / 53
p0 28.79 ± 2.596
pull
Entries 54
Mean −5.433
Std Dev 0

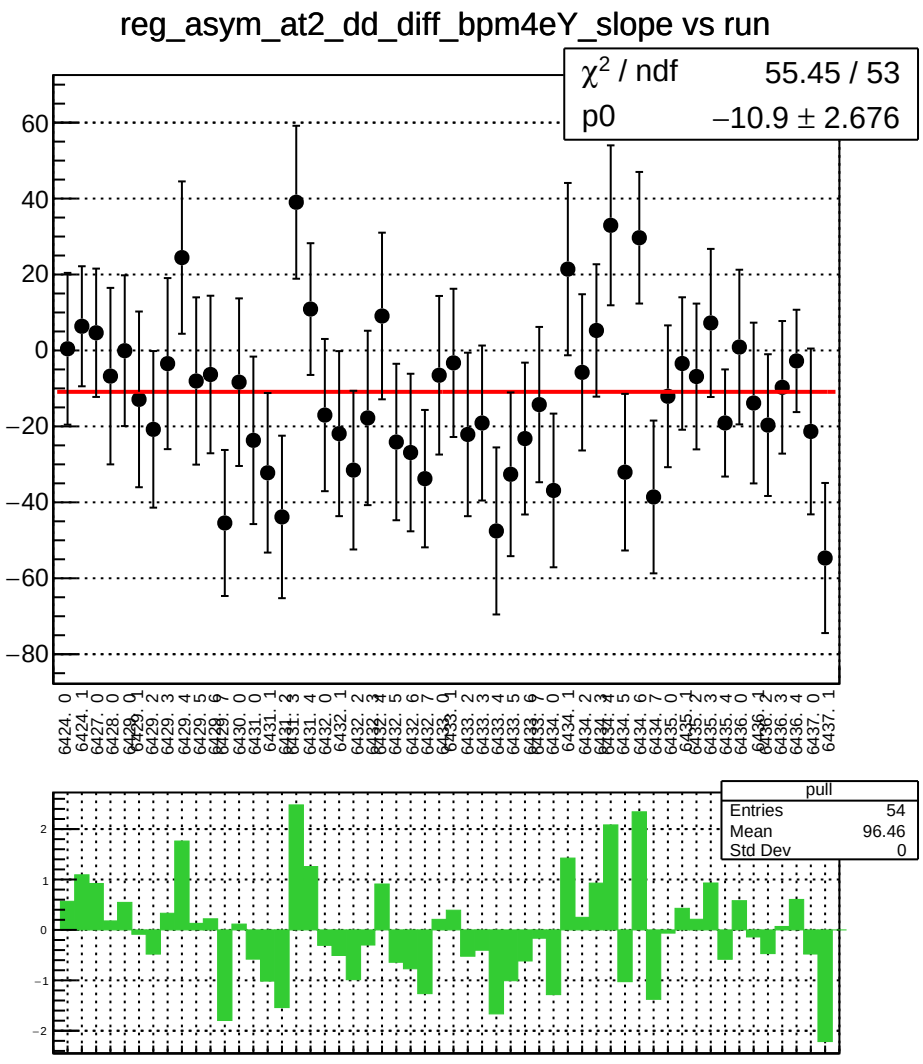

pull1D
Entries 54
Mean −0.03129
Std Dev 1.022

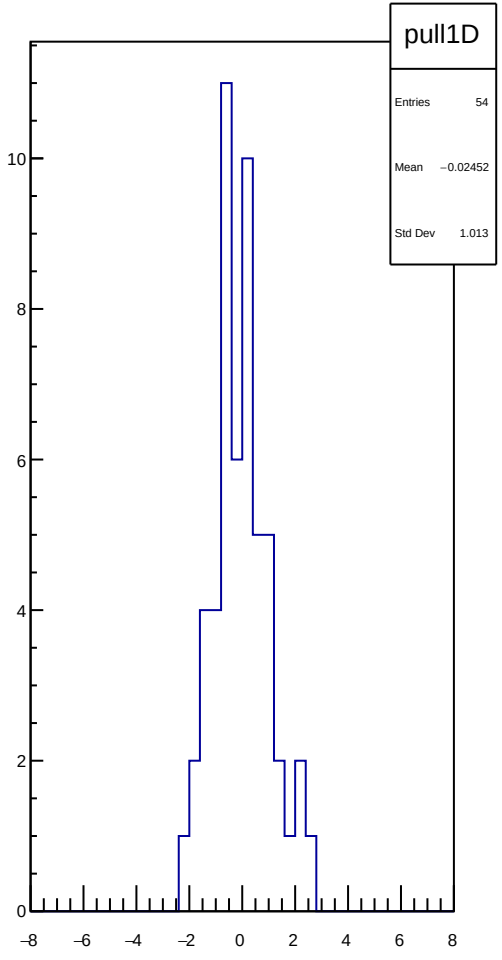

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.24 / 53
p0 0.9772 ± 2.628
pull
Entries 54
Mean 75.32
Std Dev 0

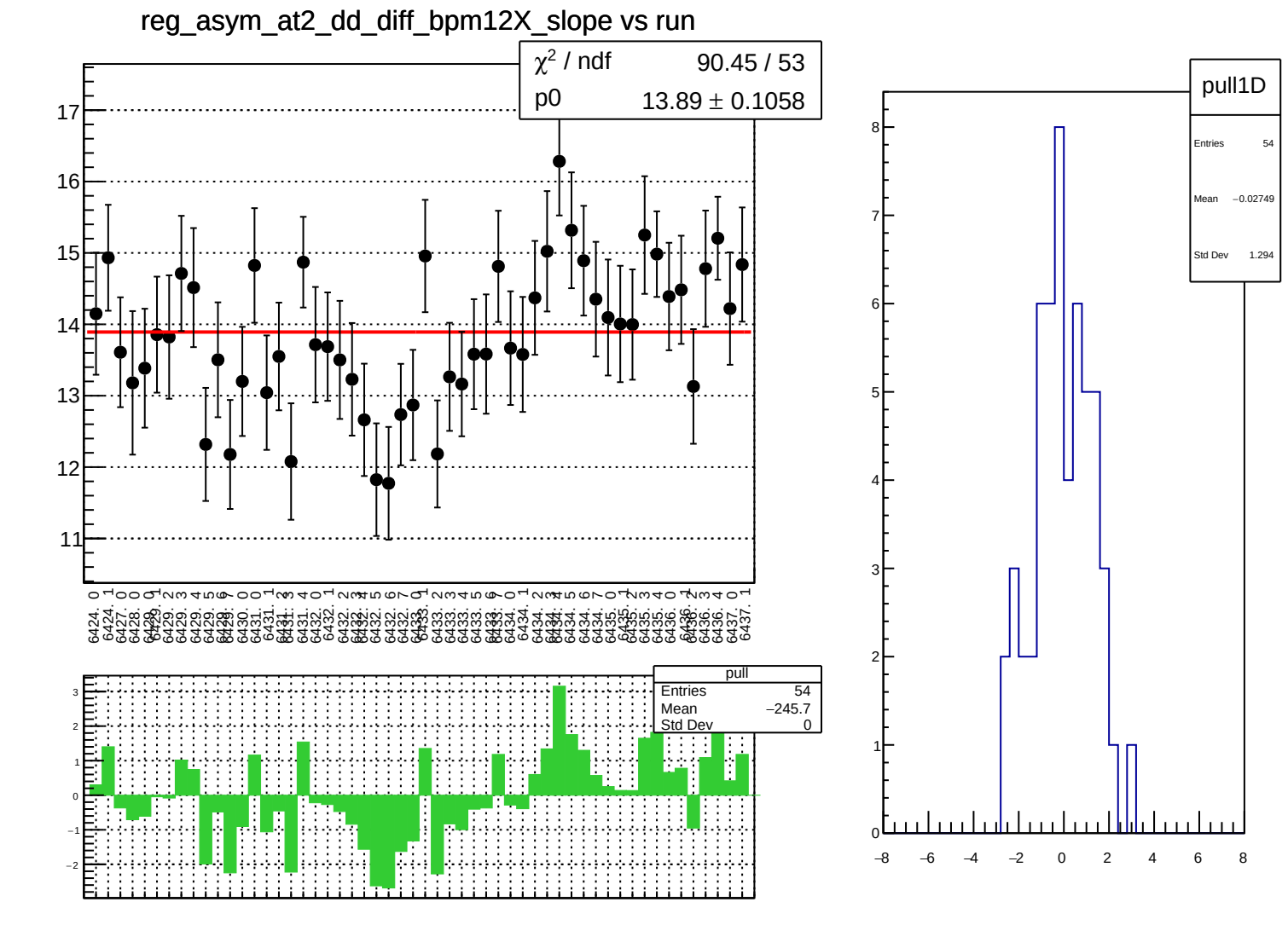

pull1D
Entries 54
Mean 0.02707
Std Dev 1.038

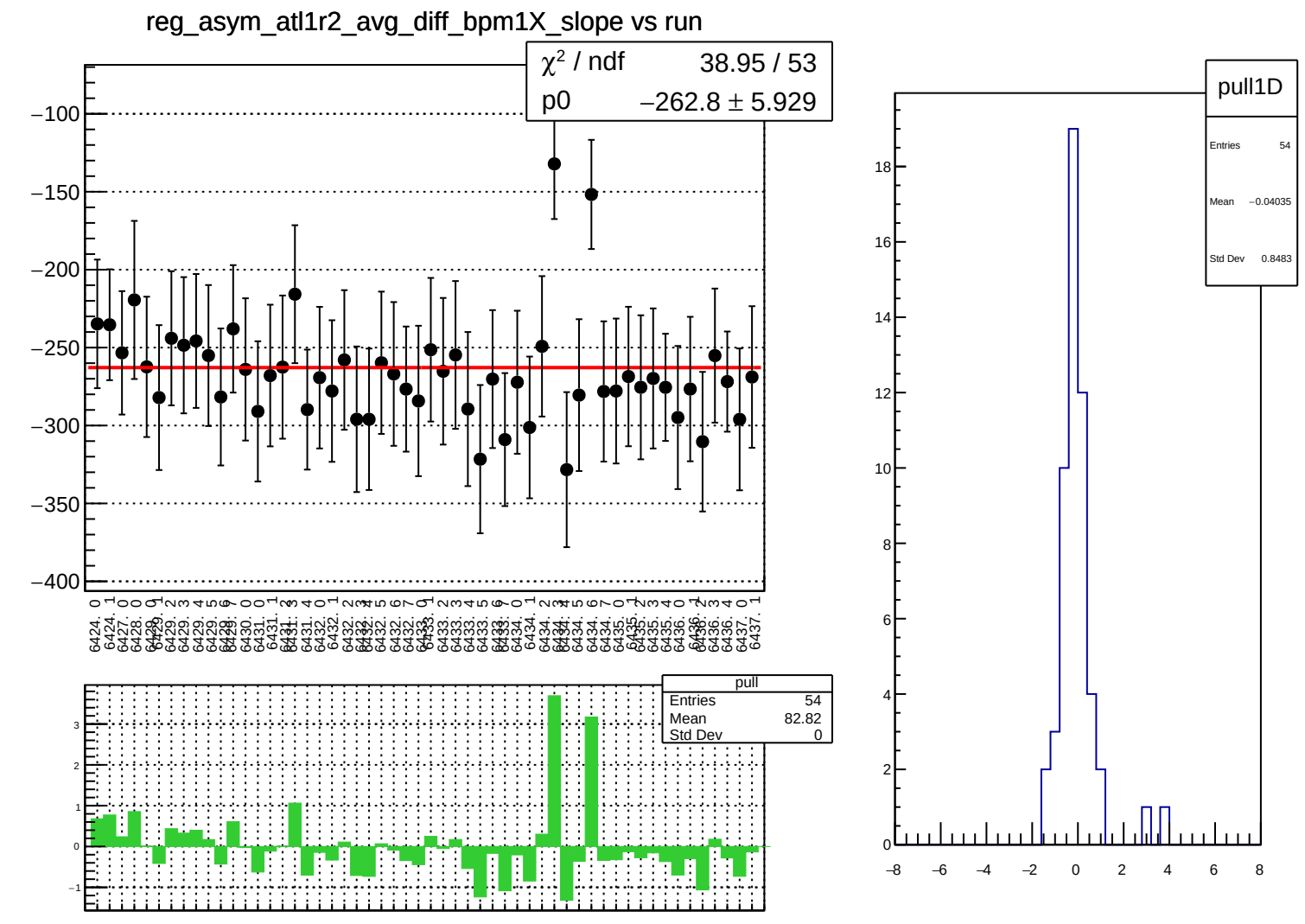

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.73 / 53
p0 51.68 ± 2.713
pull
Entries 54
Mean −7.75
Std Dev 0

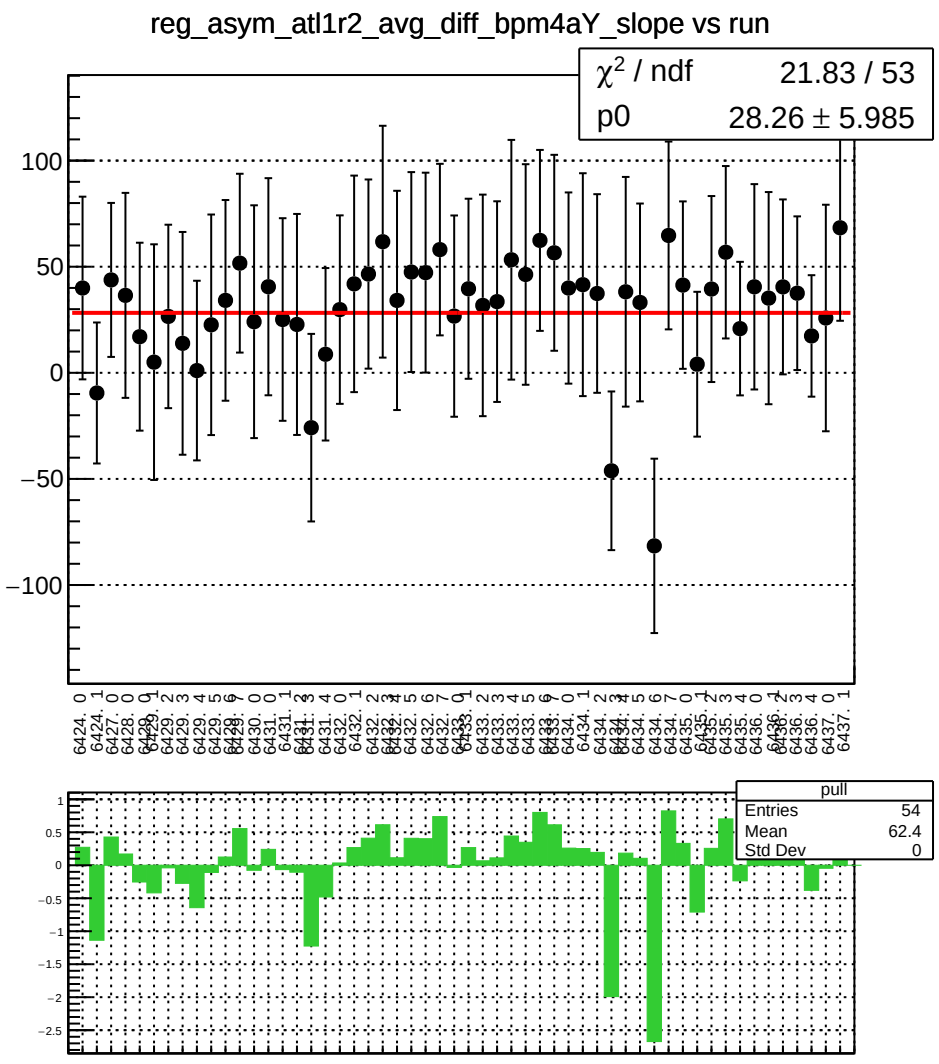

pull1D
Entries 54
Mean 0.03168
Std Dev 1.034

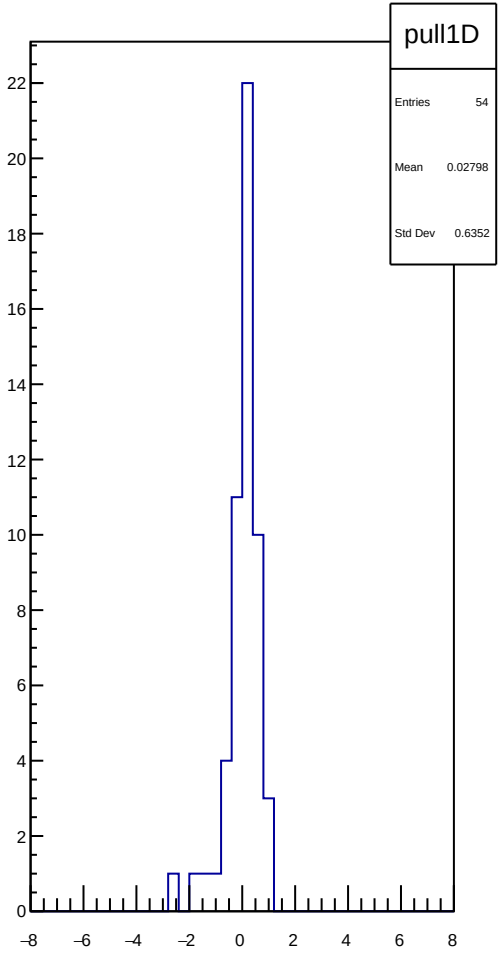

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.45 / 53
p0 −10.9 ± 2.676
pull
Entries 54
Mean 96.46
Std Dev 0

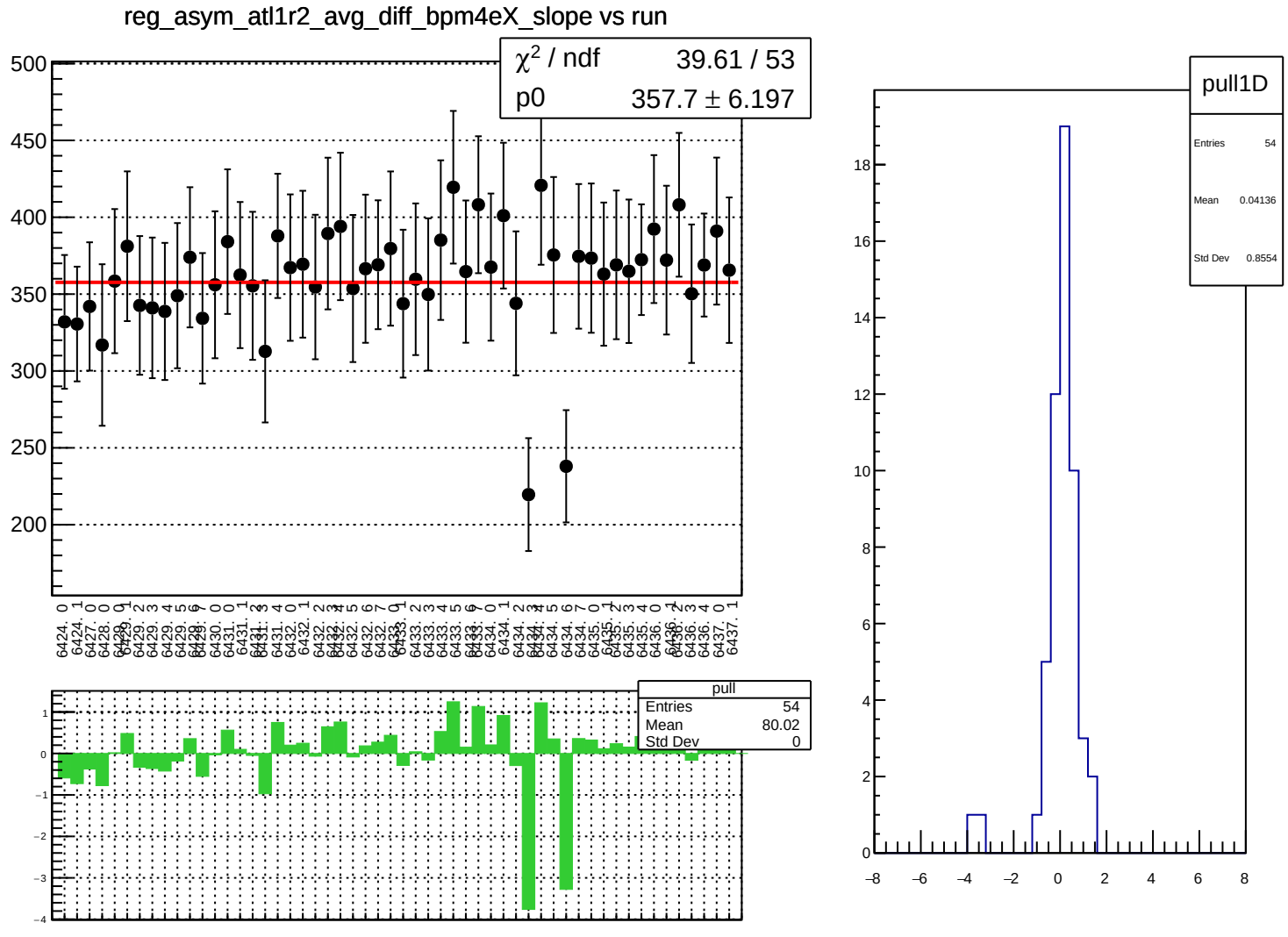

pull1D
Entries 54
Mean −0.02452
Std Dev 1.013

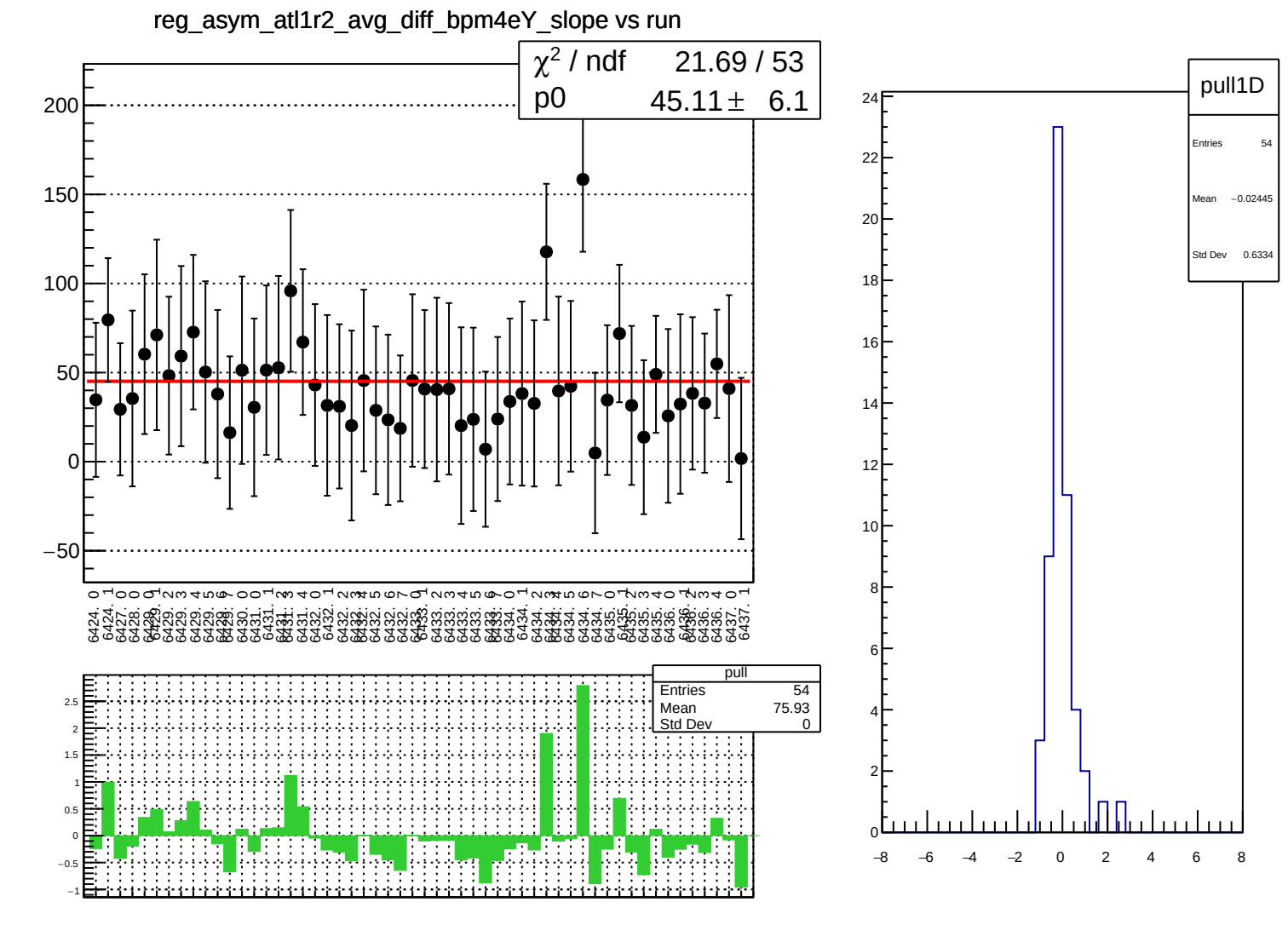

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 90.45 / 53
p0 13.89 ± 0.1058
pull
Entries 54
Mean −245.7
Std Dev 0
pull1D
Entries 54
Mean −0.02749
Std Dev 1.294

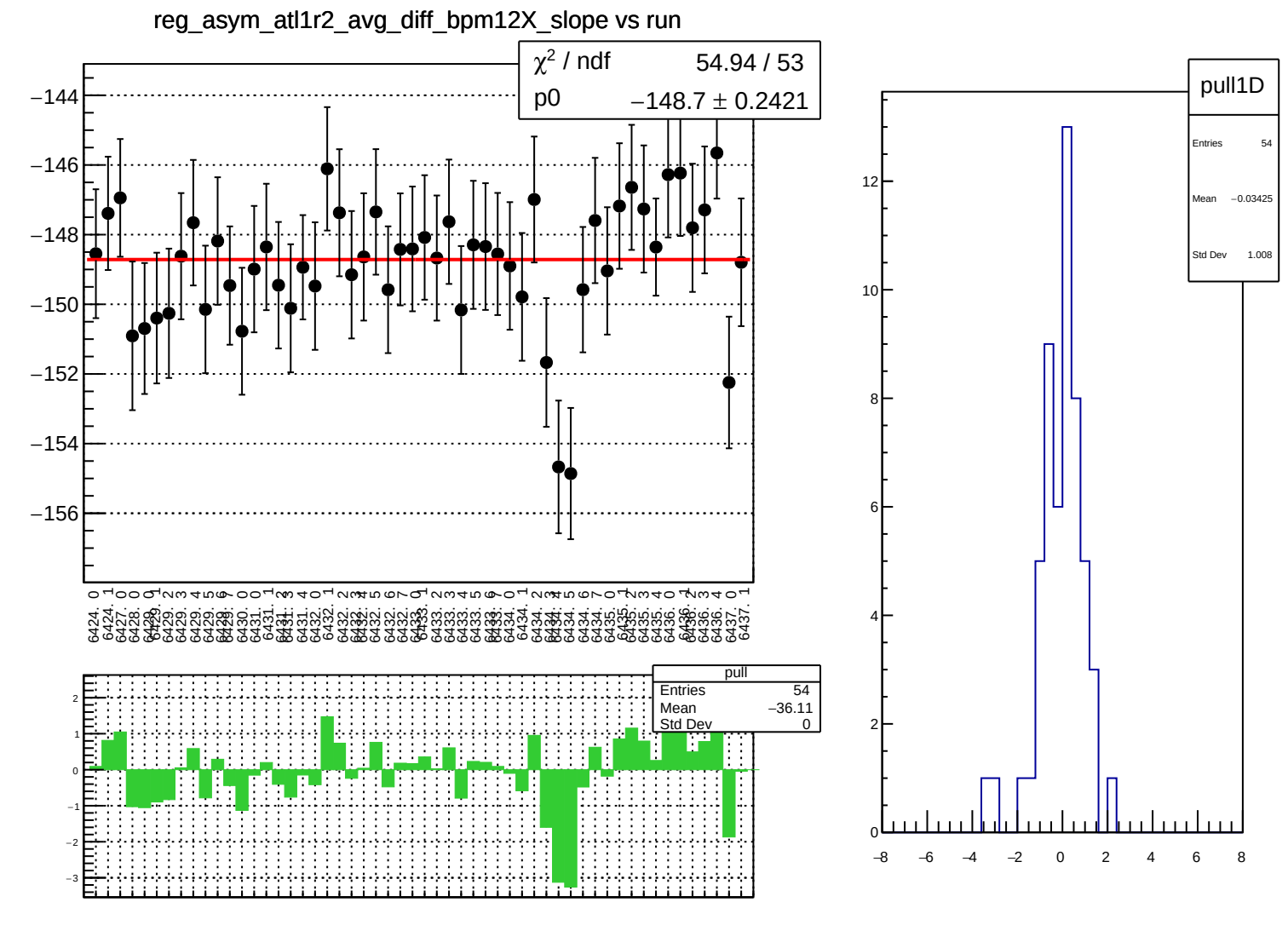

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 38.95 / 53
p0 −262.8 ± 5.929
pull
Entries 54
Mean 82.82
Std Dev 0
pull1D
Entries 54
Mean −0.04035
Std Dev 0.8483

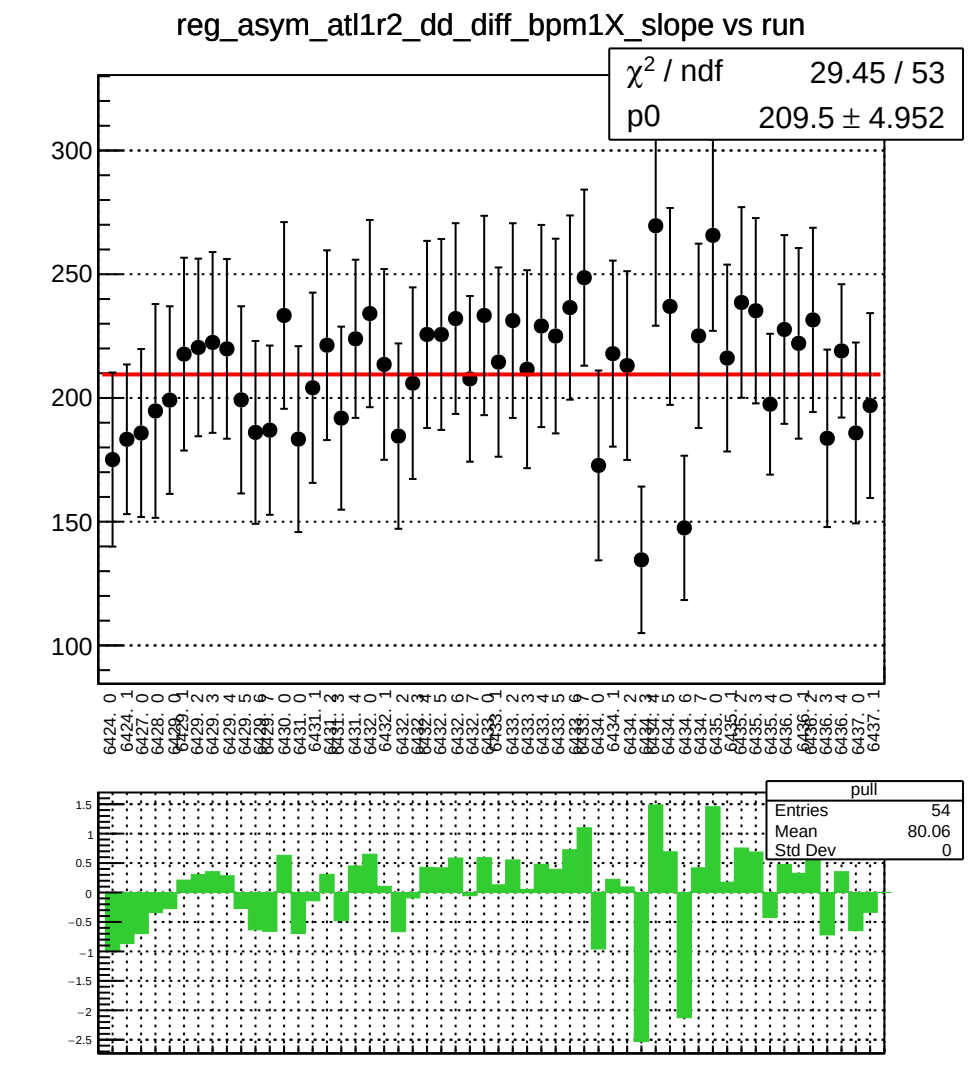

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.83 / 53
p0 28.26 ± 5.985
pull
Entries 54
Mean 62.4
Std Dev 0

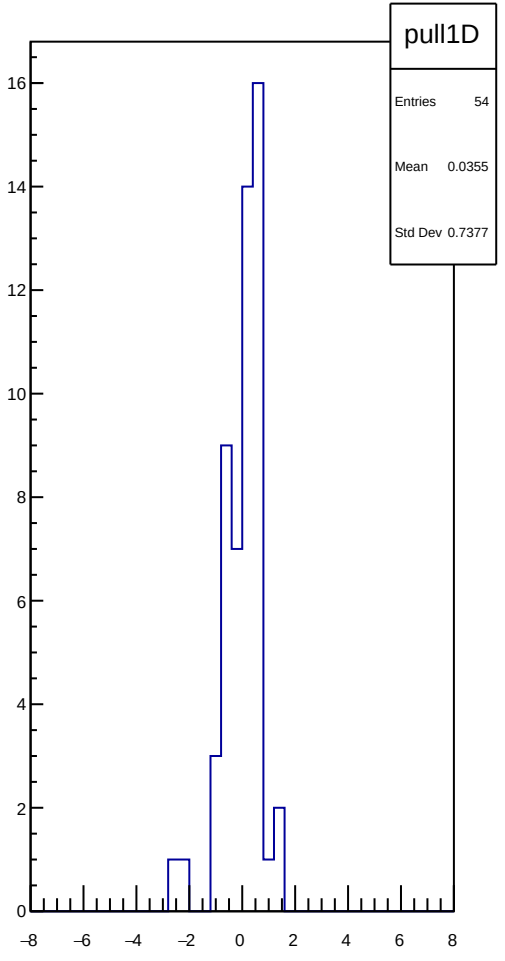

pull1D
Entries 54
Mean 0.02798
Std Dev 0.6352

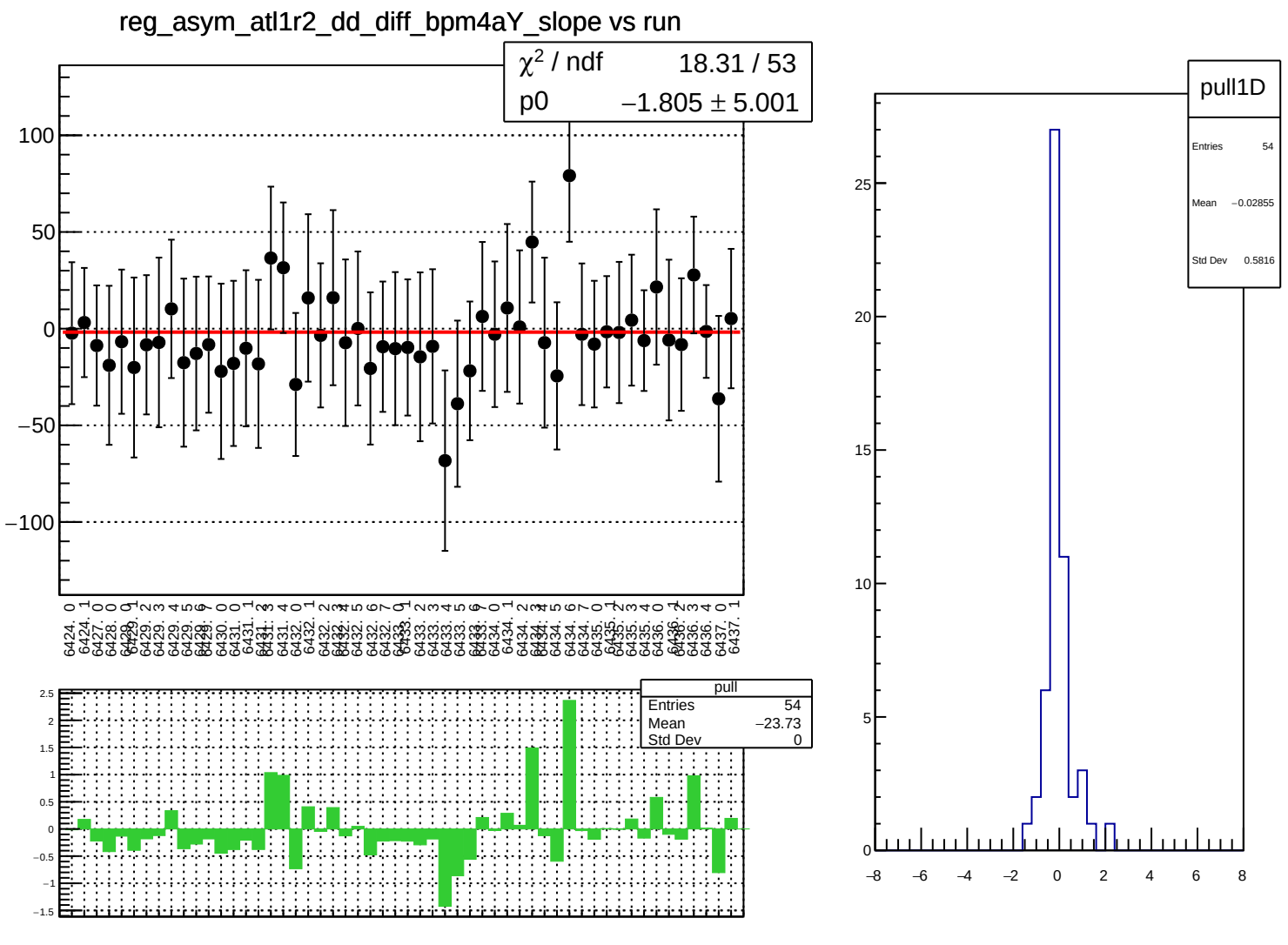

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.61 / 53
p0 357.7 ± 6.197
pull
Entries 54
Mean 80.02
Std Dev 0
pull1D
Entries 54
Mean 0.04136
Std Dev 0.8554

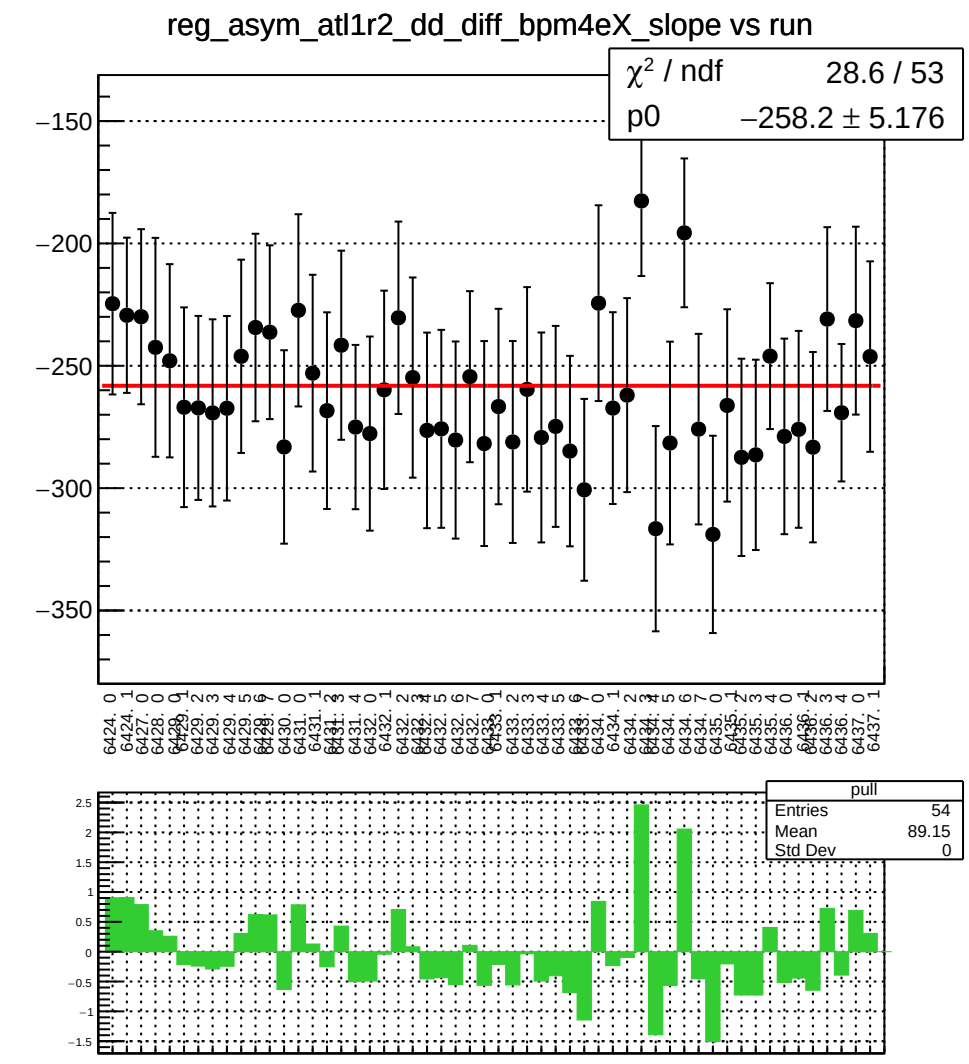

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.69 / 53
p0 45.11 ± 6.1
pull
Entries 54
Mean 75.93
Std Dev 0
pull1D
Entries 54
Mean −0.02445
Std Dev 0.6334

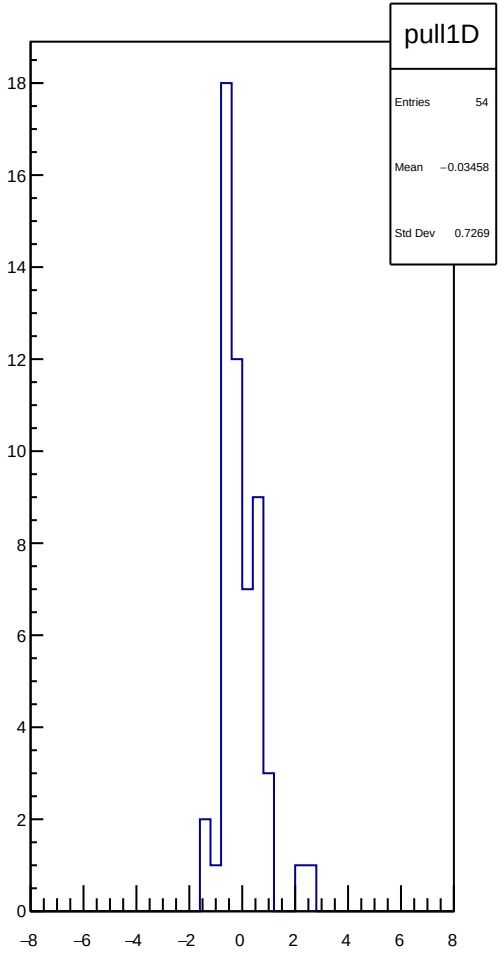

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 54.94 / 53
p0 −148.7 ± 0.2421
pull
Entries 54
Mean −36.11
Std Dev 0
pull1D
Entries 54
Mean −0.03425
Std Dev 1.008

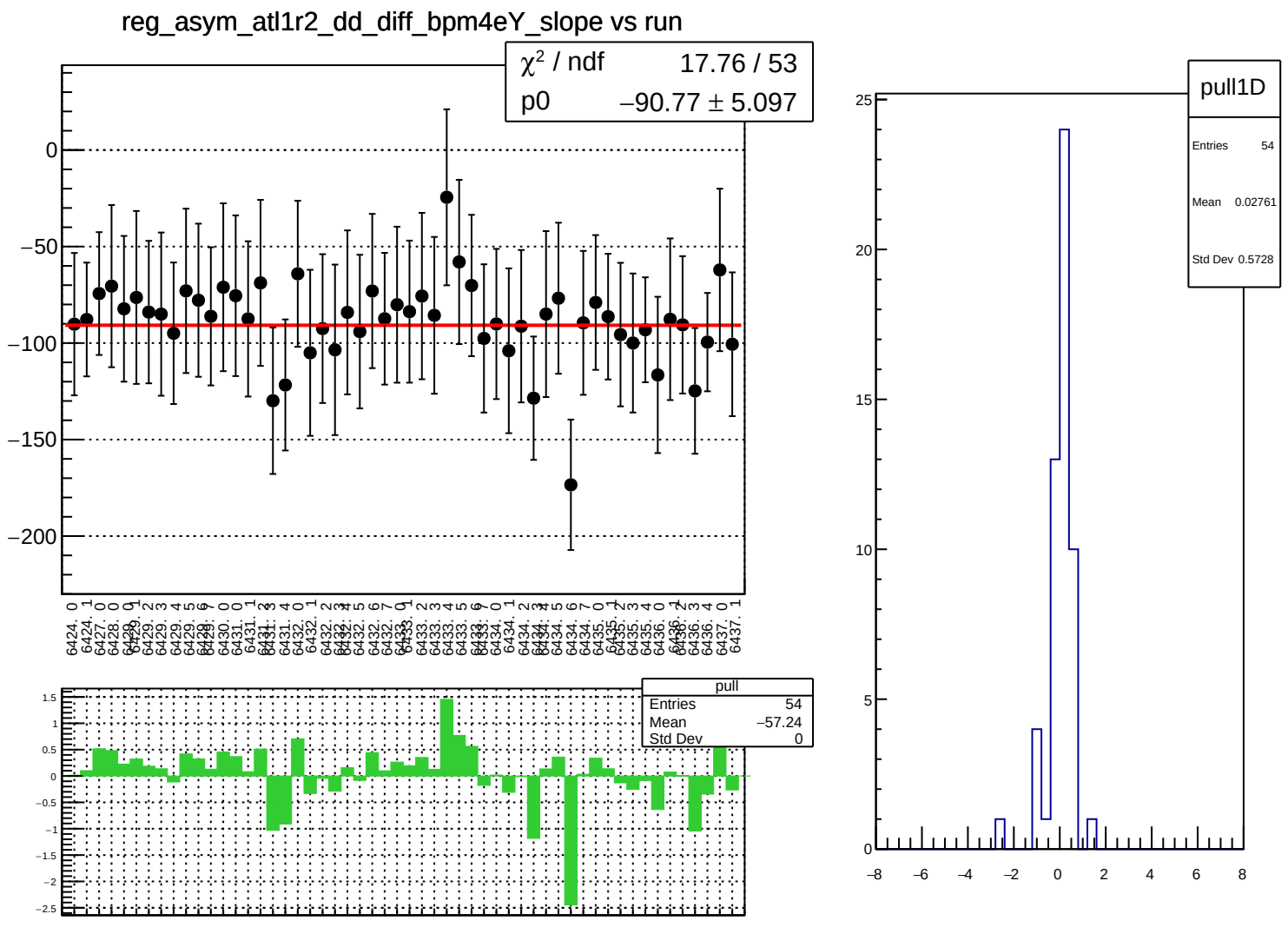

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 29.45 / 53
p0 209.5 ± 4.952
pull
Entries 54
Mean 80.06
Std Dev 0

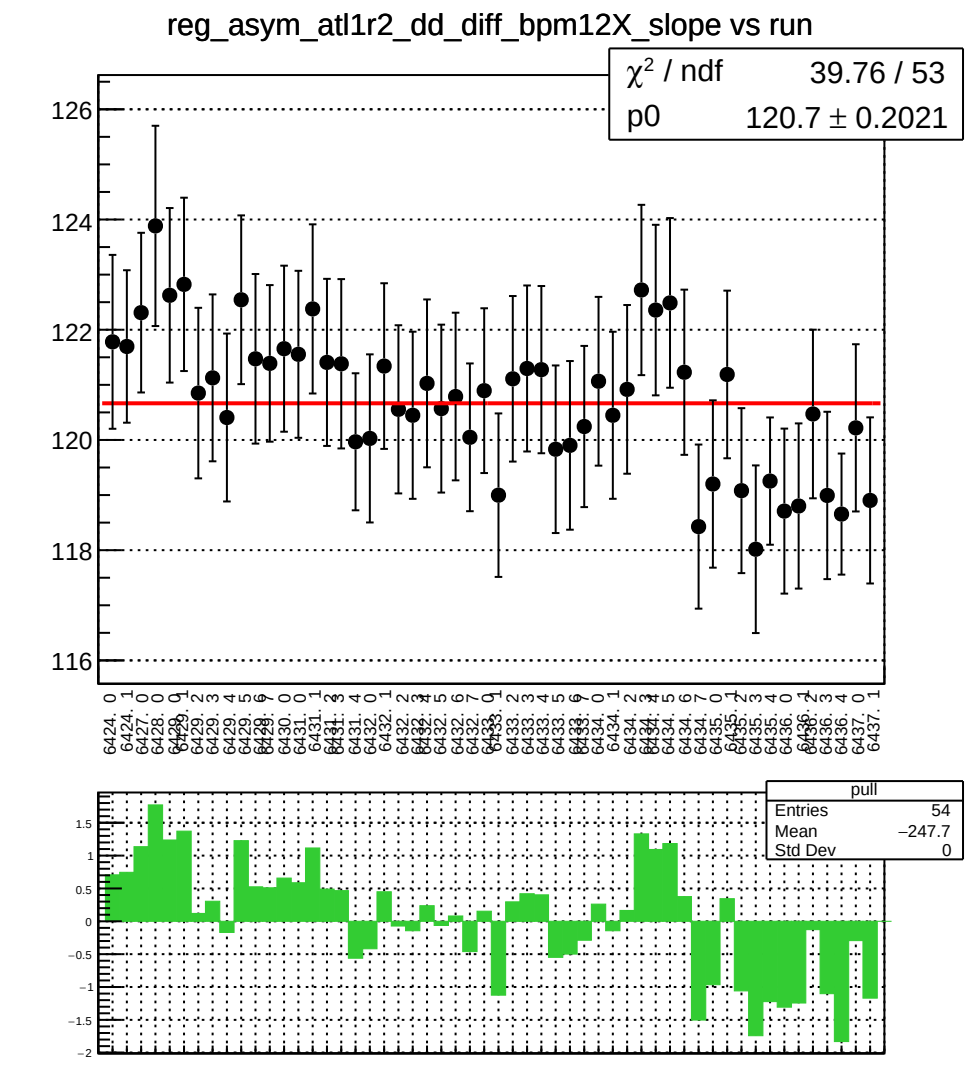

pull1D
Entries 54
Mean 0.0355
Std Dev 0.7377

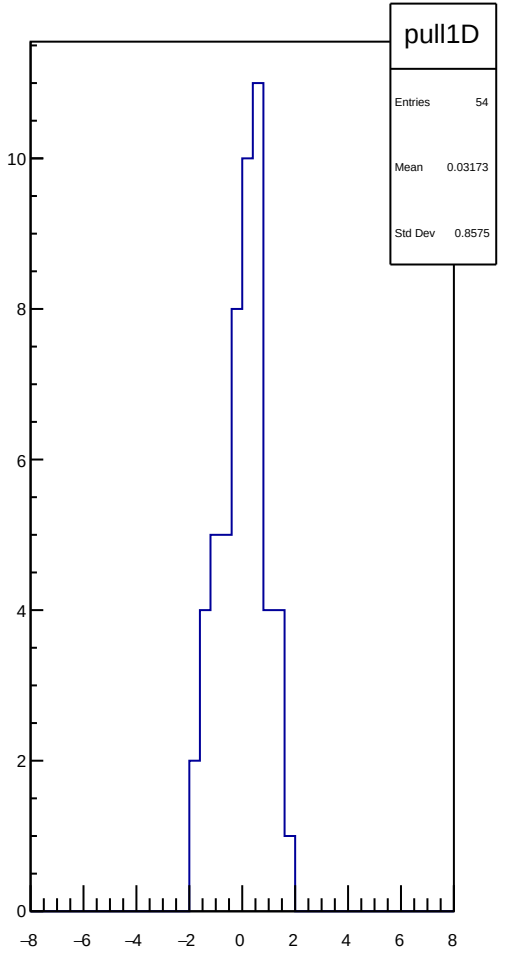

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.31 / 53
p0 −1.805 ± 5.001
100
50
0
−50
−100
pull
Entries 54
Mean −23.73
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 54
Mean −0.02855
Std Dev 0.5816
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

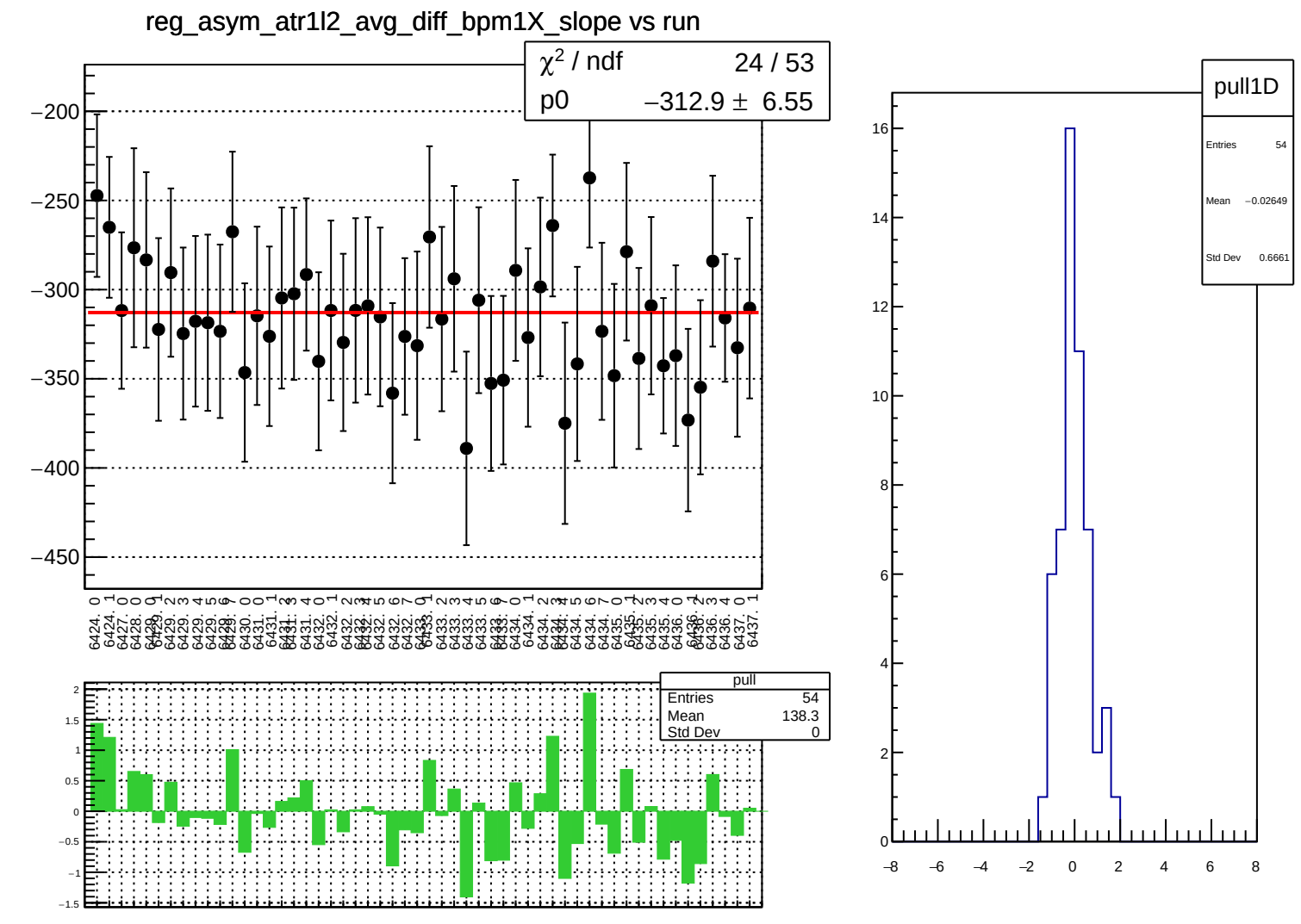

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.6 / 53
p0 −258.2 ± 5.176
pull
Entries 54
Mean 89.15
Std Dev 0

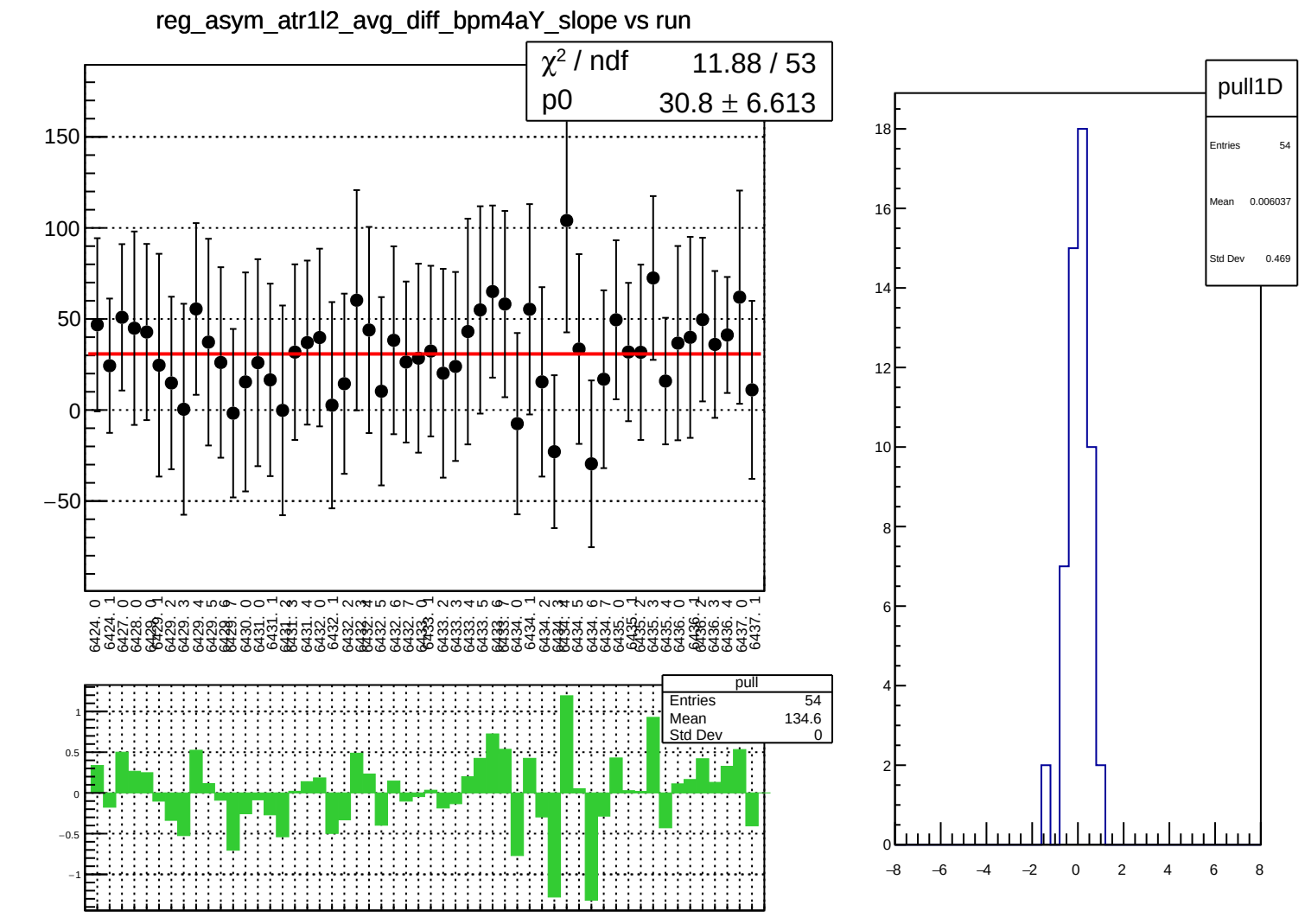

pull1D
Entries 54
Mean −0.03458
Std Dev 0.7269

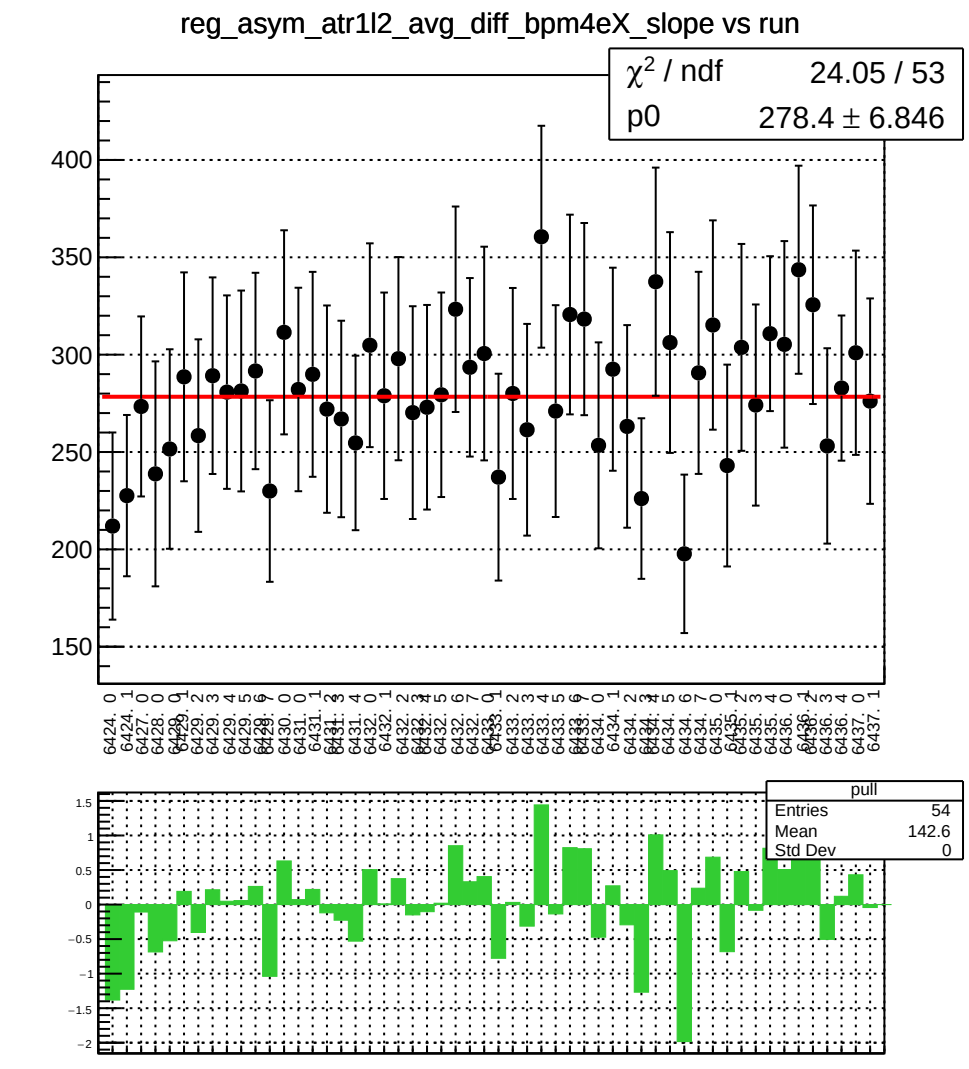

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.76 / 53
p0 −90.77 ± 5.097
pull
Entries 54
Mean −57.24
Std Dev 0
pull1D
Entries 54
Mean 0.02761
Std Dev 0.5728

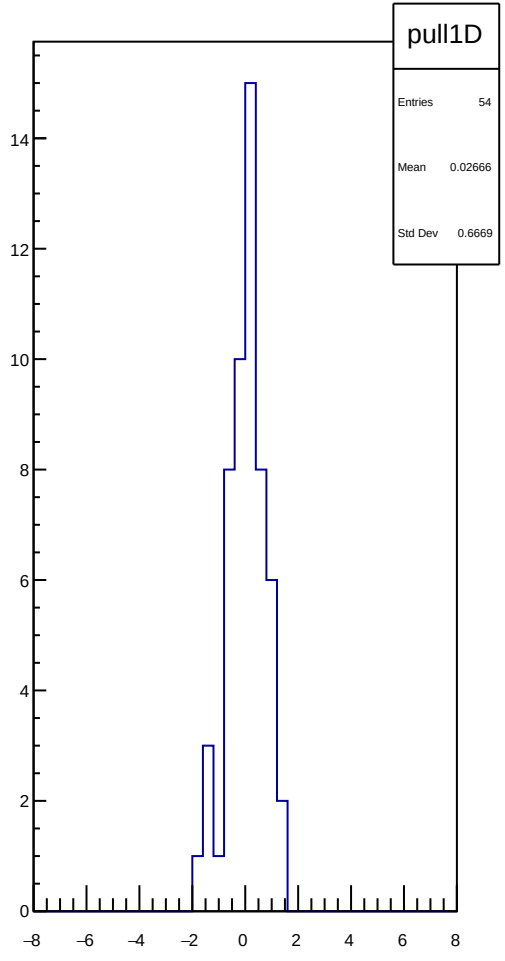

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 39.76 / 53
p0 120.7 ± 0.2021
126
124
122
120
118
116
pull
Entries 54
Mean −247.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

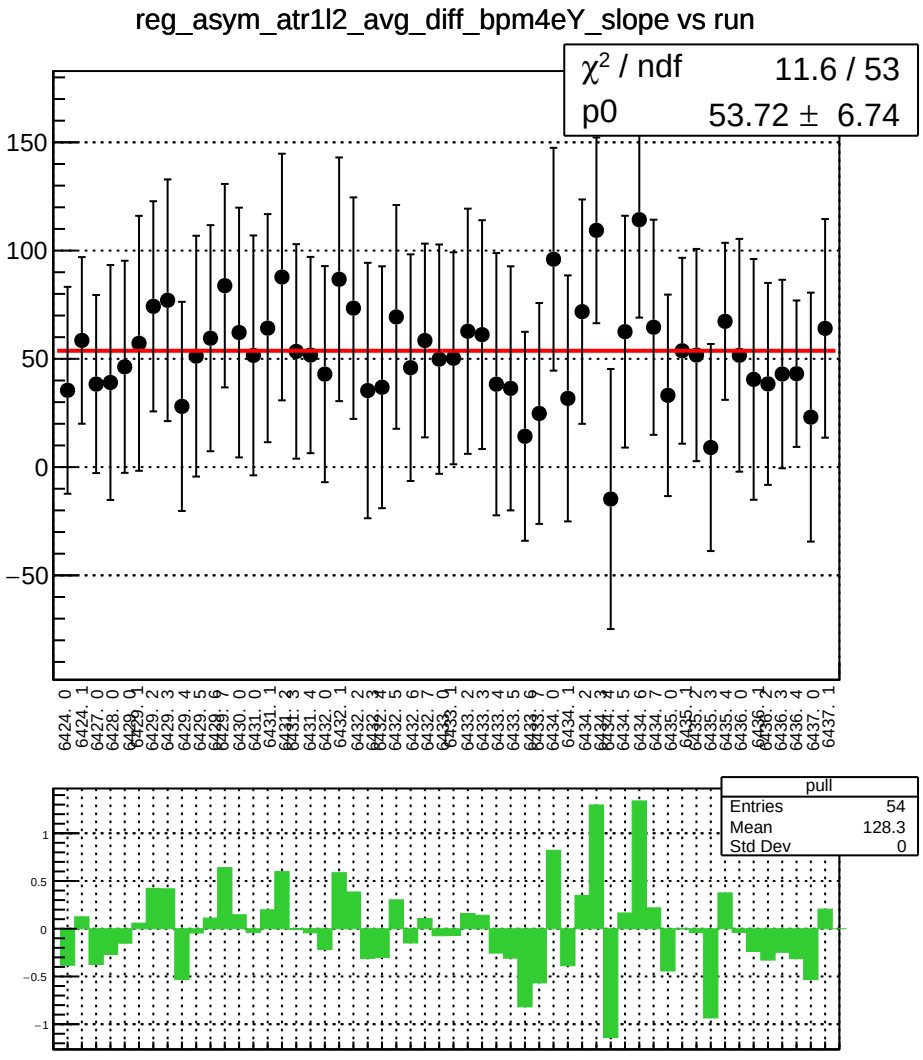

pull1D
Entries 54
Mean 0.03173
Std Dev 0.8575
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

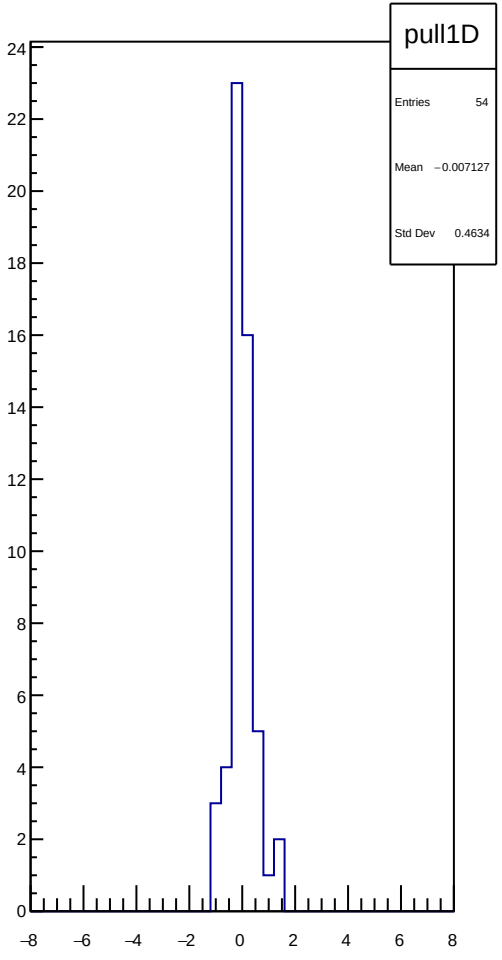

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 24 / 53
p0 −312.9 ± 6.55
pull
Entries 54
Mean 138.3
Std Dev 0
pull1D
Entries 54
Mean −0.02649
Std Dev 0.6661

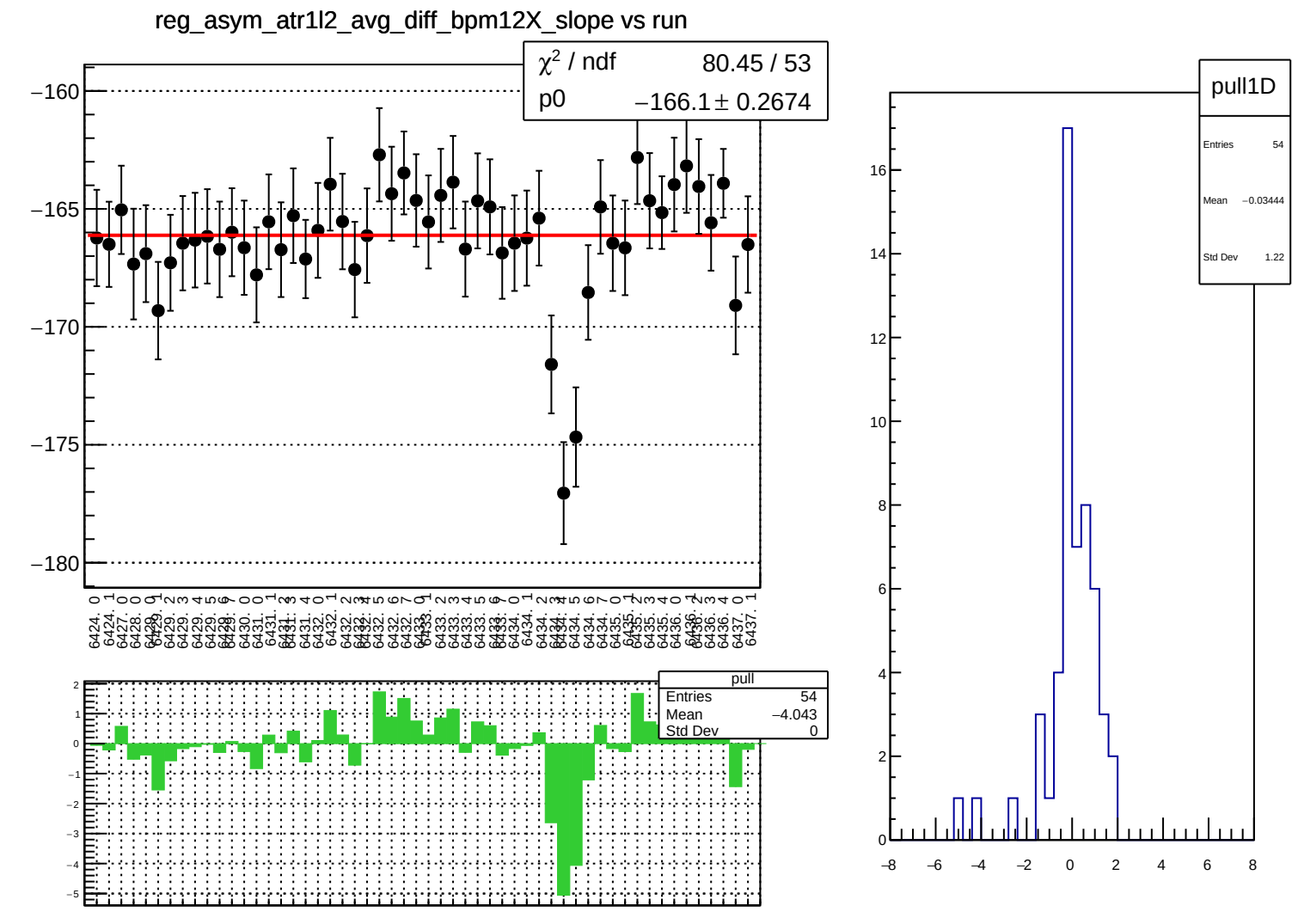

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.88 / 53
p0 30.8 ± 6.613
150
100
50
0
−50
pull
Entries 54
Mean 134.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.006037
Std Dev 0.469
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

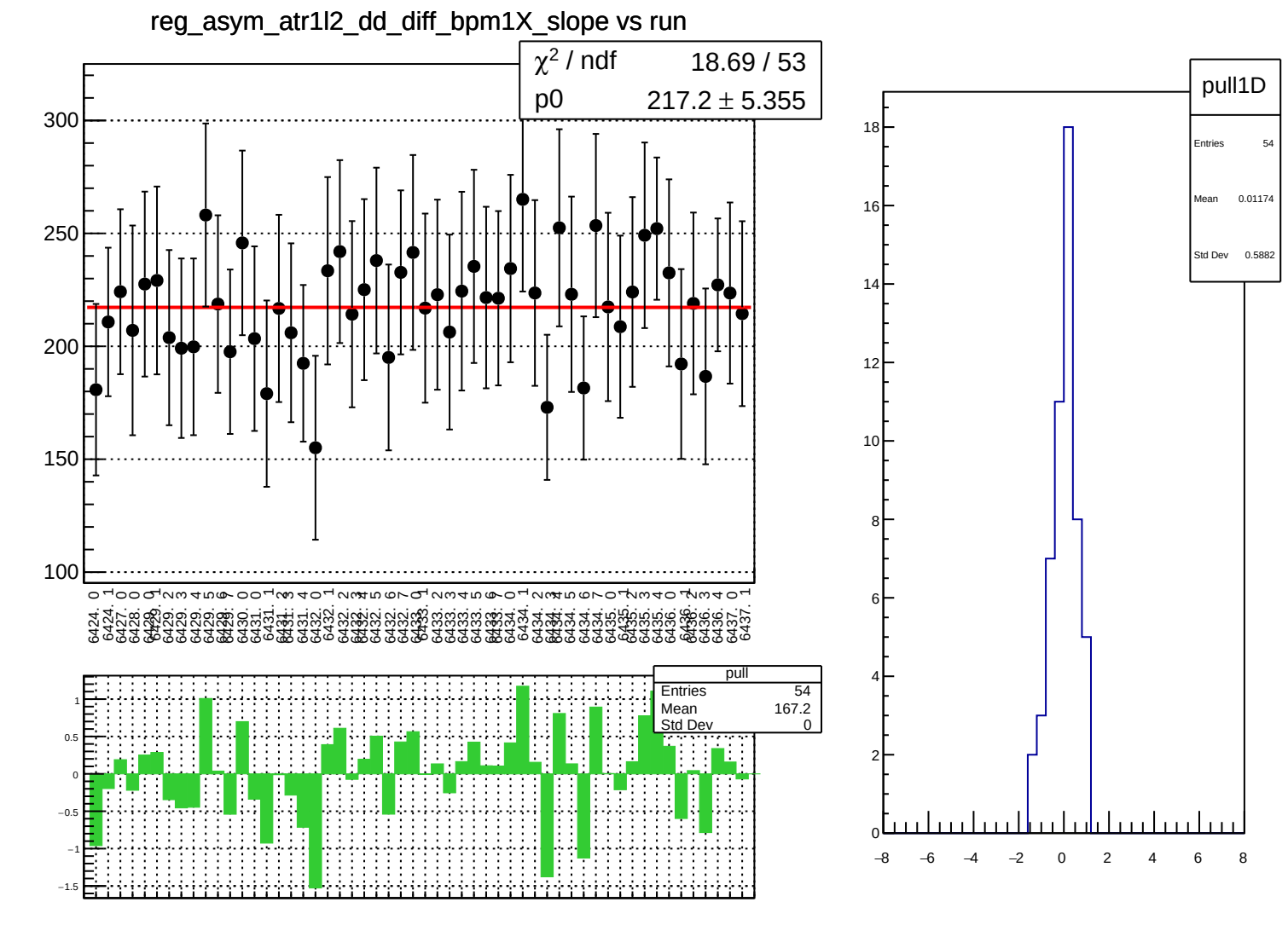

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.05 / 53
p0 278.4 ± 6.846
pull
Entries 54
Mean 142.6
Std Dev 0

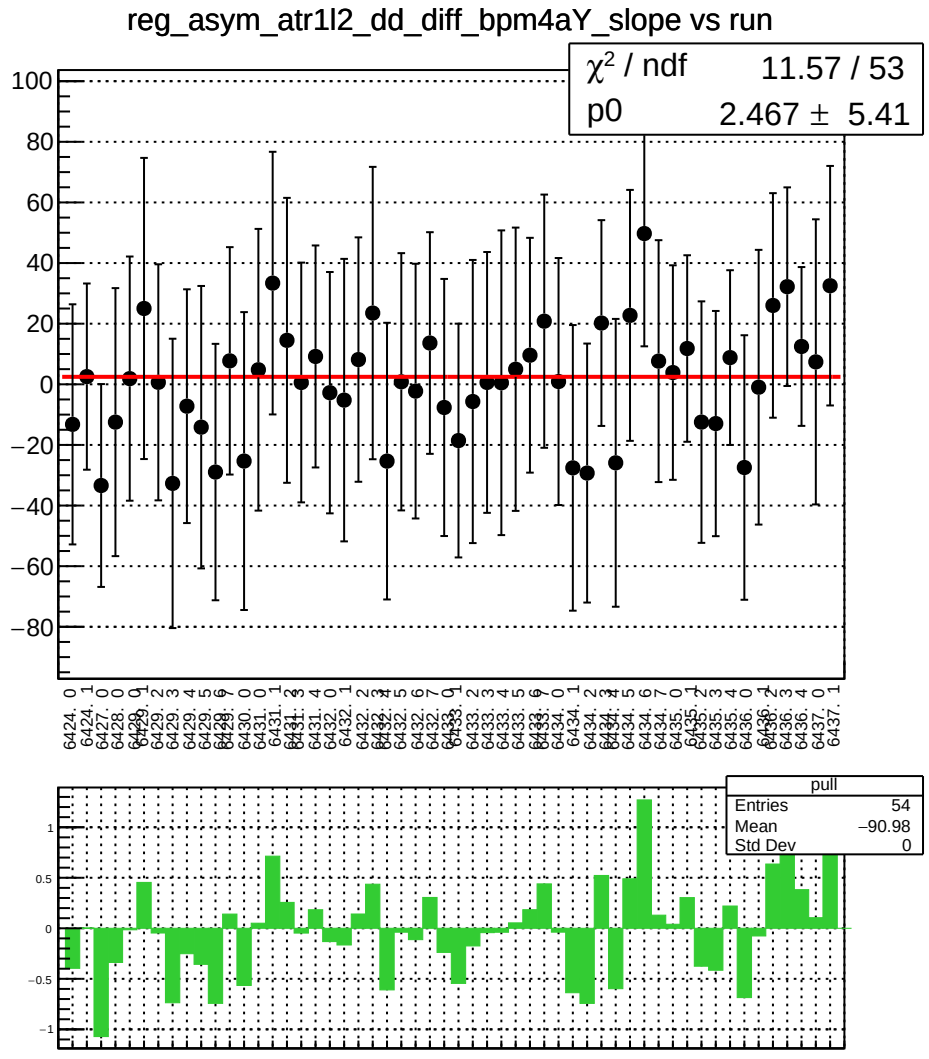

pull1D
Entries 54
Mean 0.02666
Std Dev 0.6669

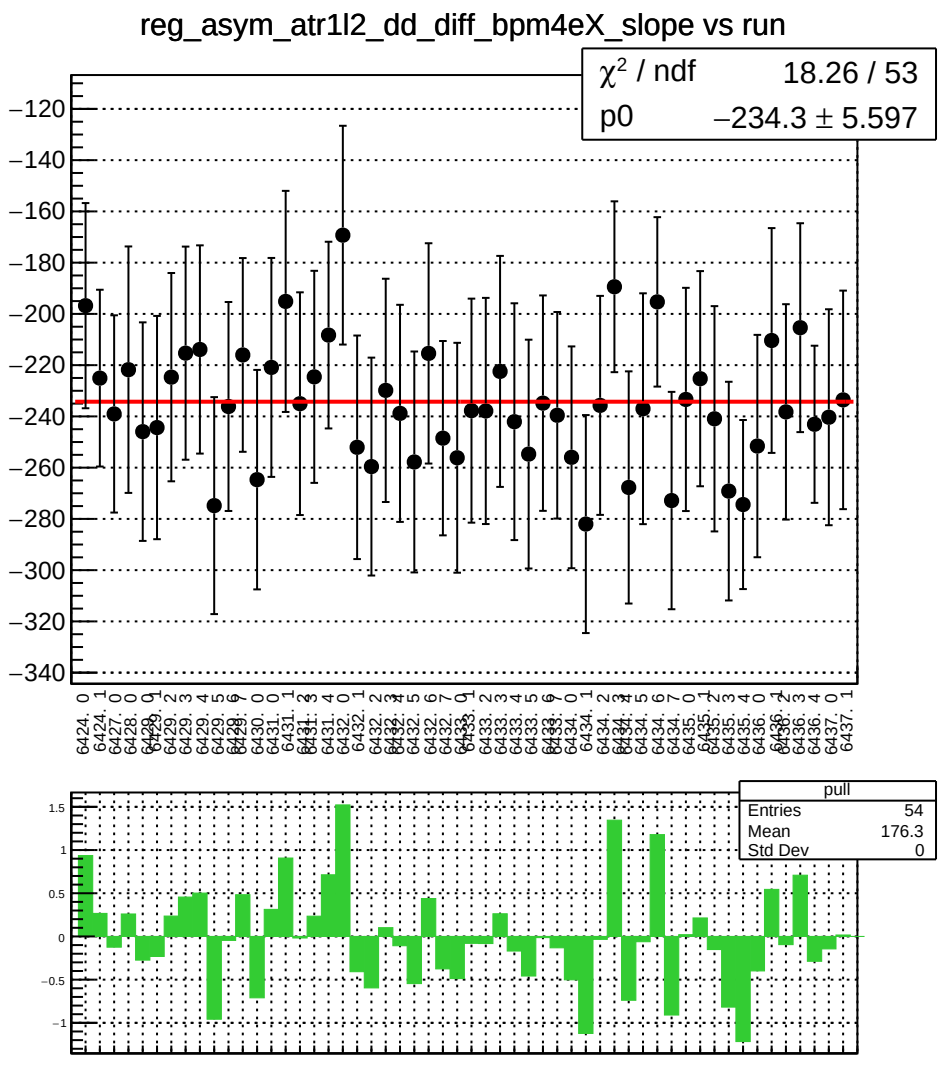

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.6 / 53
p0 53.72 ± 6.74
150
100
50
0
−50
pull
Entries 54
Mean 128.3
Std Dev 0
1
0.5
0
−0.5
−1

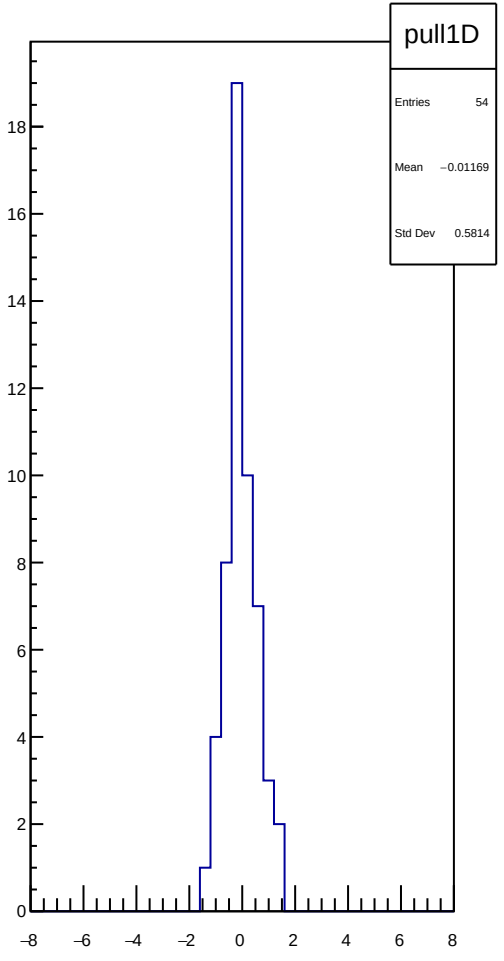

pull1D
Entries 54
Mean −0.007127
Std Dev 0.4634
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

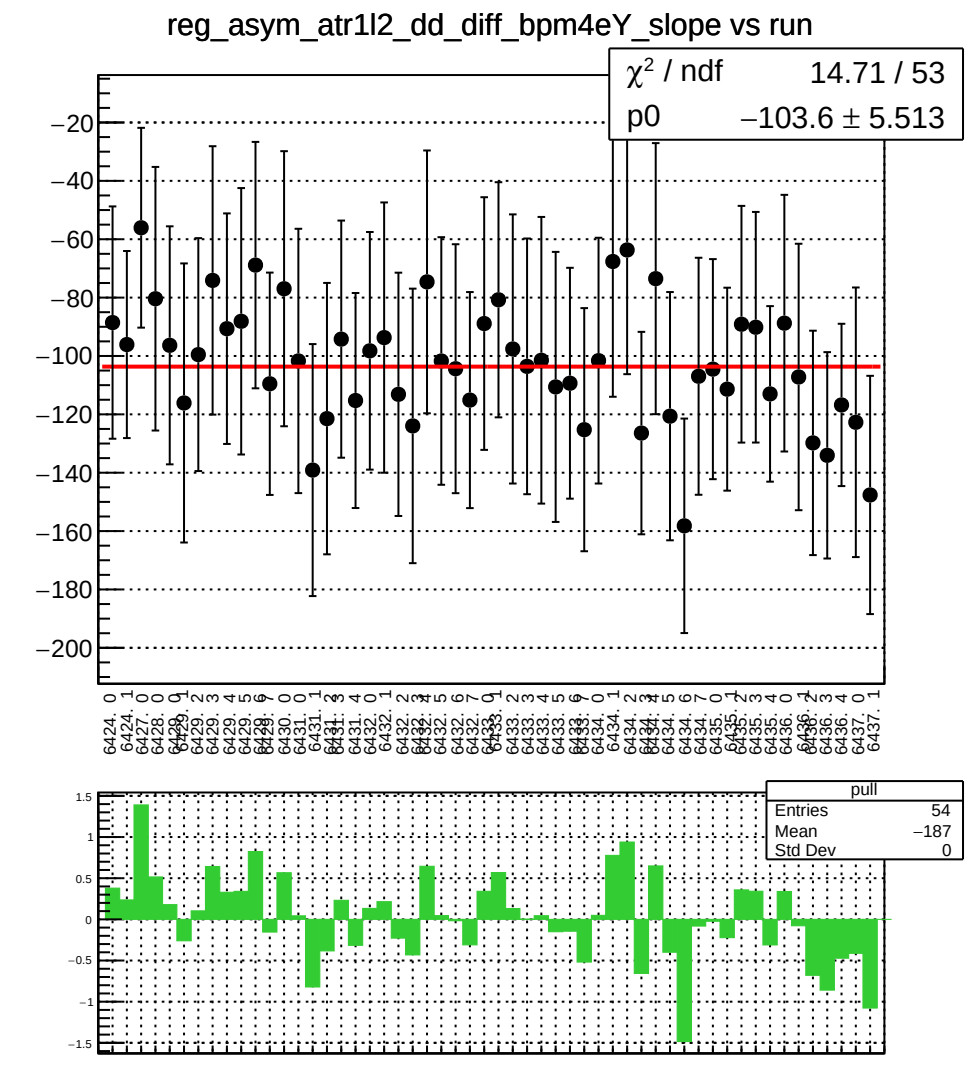

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 80.45 / 53
p0 −166.1 ± 0.2674
−160
−165
−170
−175
−180
pull
Entries 54
Mean −4.043
Std Dev 0
pull1D
Entries 54
Mean −0.03444
Std Dev 1.22

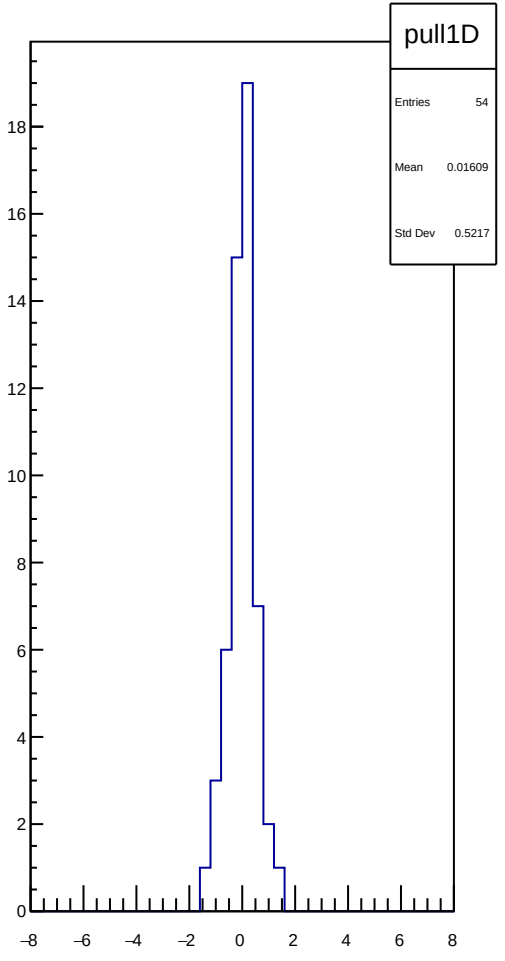

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.69 / 53
p0 217.2 ± 5.355
pull
Entries 54
Mean 167.2
Std Dev 0
pull1D
Entries 54
Mean 0.01174
Std Dev 0.5882

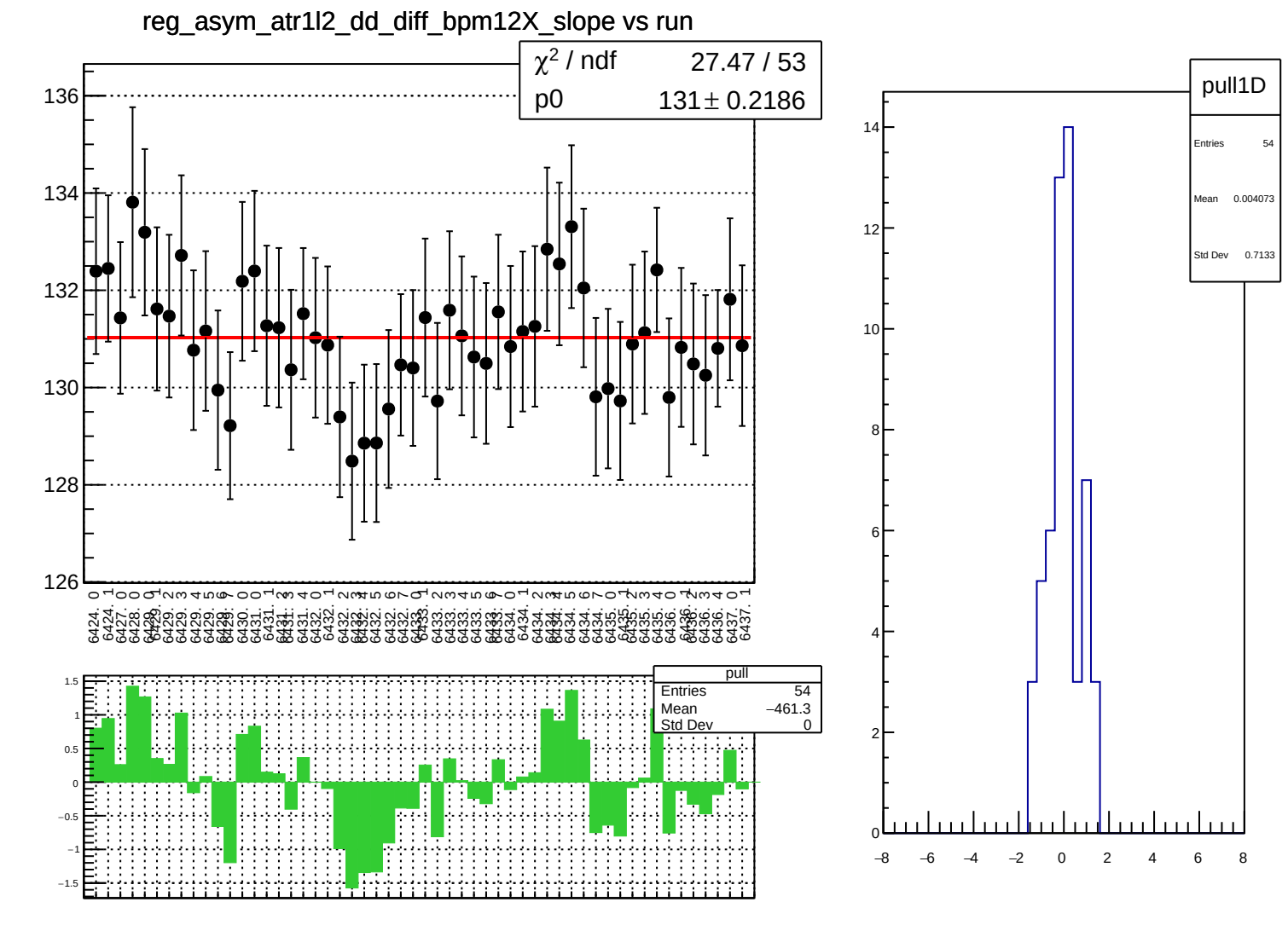

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.57 / 53
p0 2.467 ± 5.41
pull
Entries 54
Mean −90.98
Std Dev 0
pull1D
Entries 54
Mean −0.02039
Std Dev 0.4625

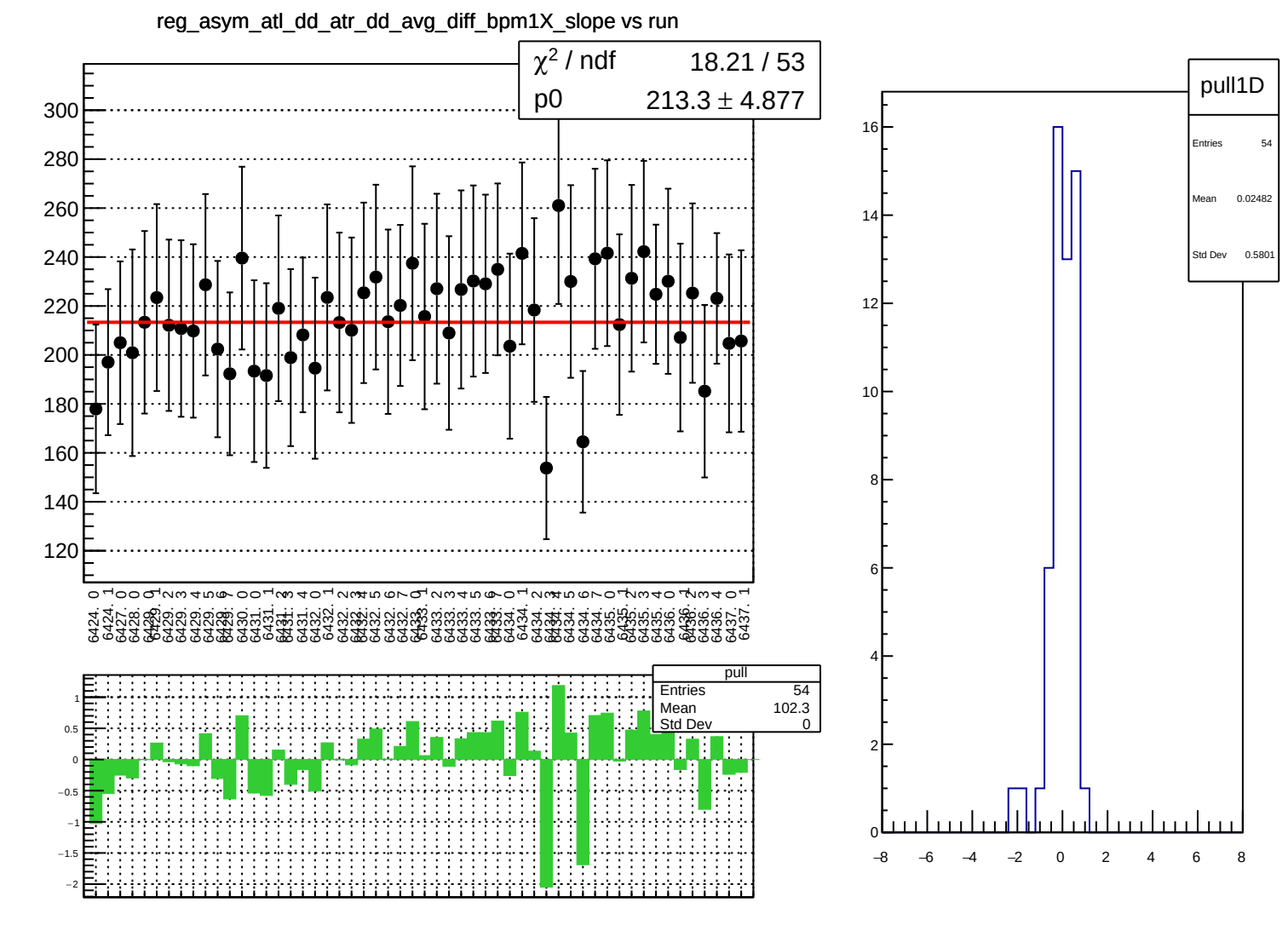

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.26 / 53
p0 −234.3 ± 5.597
pull
Entries 54
Mean 176.3
Std Dev 0

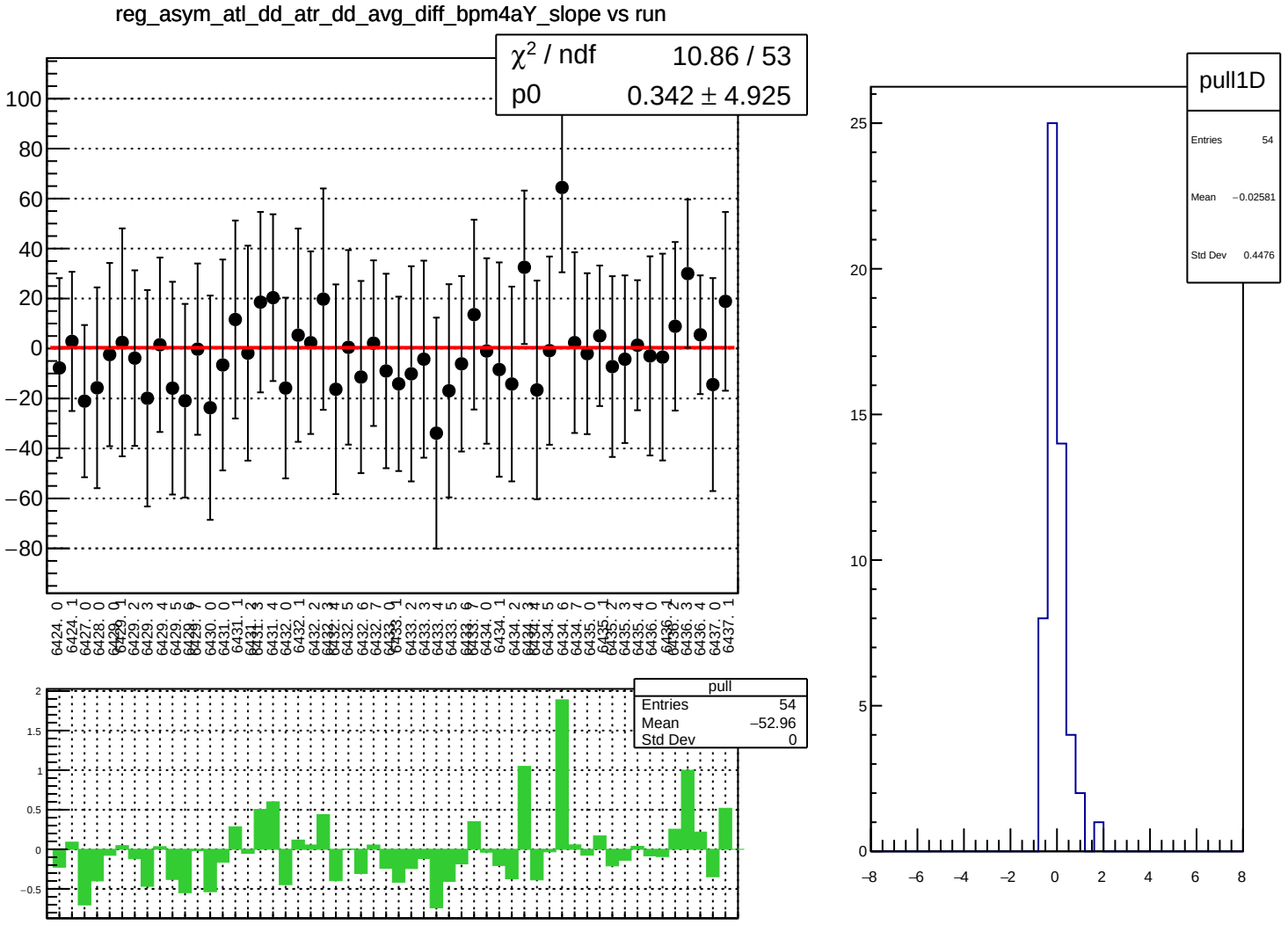

pull1D
Entries 54
Mean −0.01169
Std Dev 0.5814

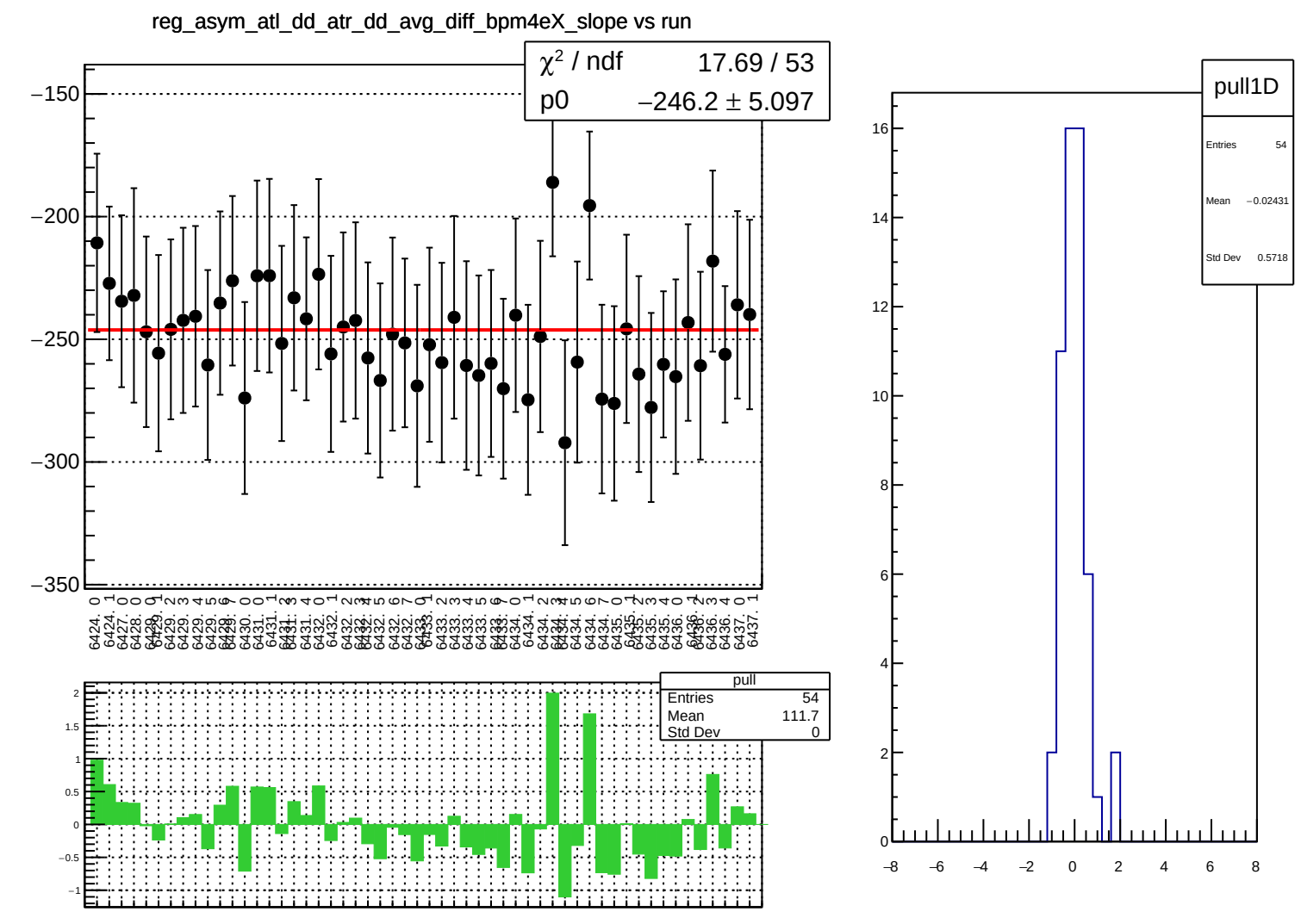

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.71 / 53
p0 −103.6 ± 5.513
pull
Entries 54
Mean −187
Std Dev 0

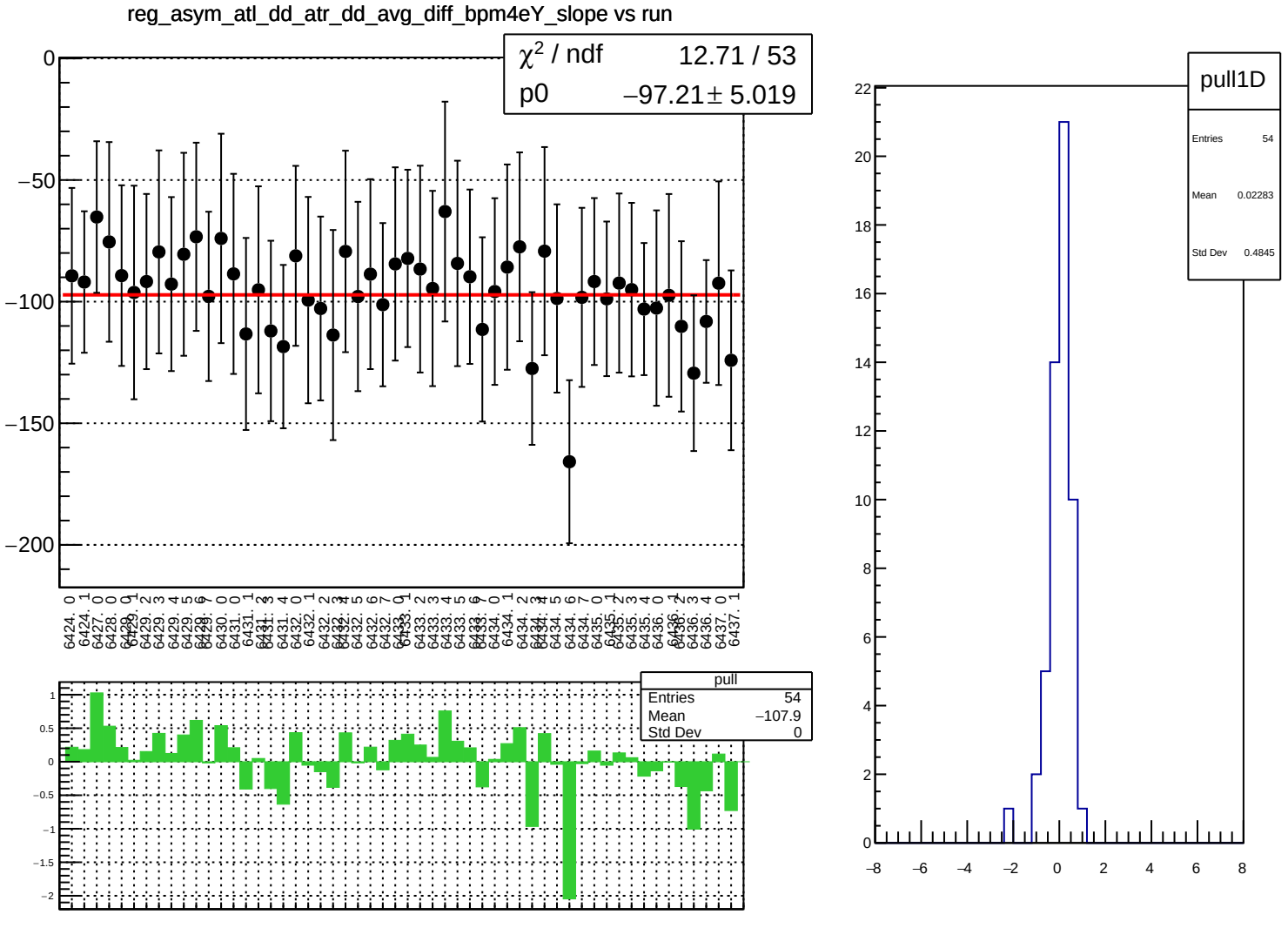

pull1D
Entries 54
Mean 0.01609
Std Dev 0.5217

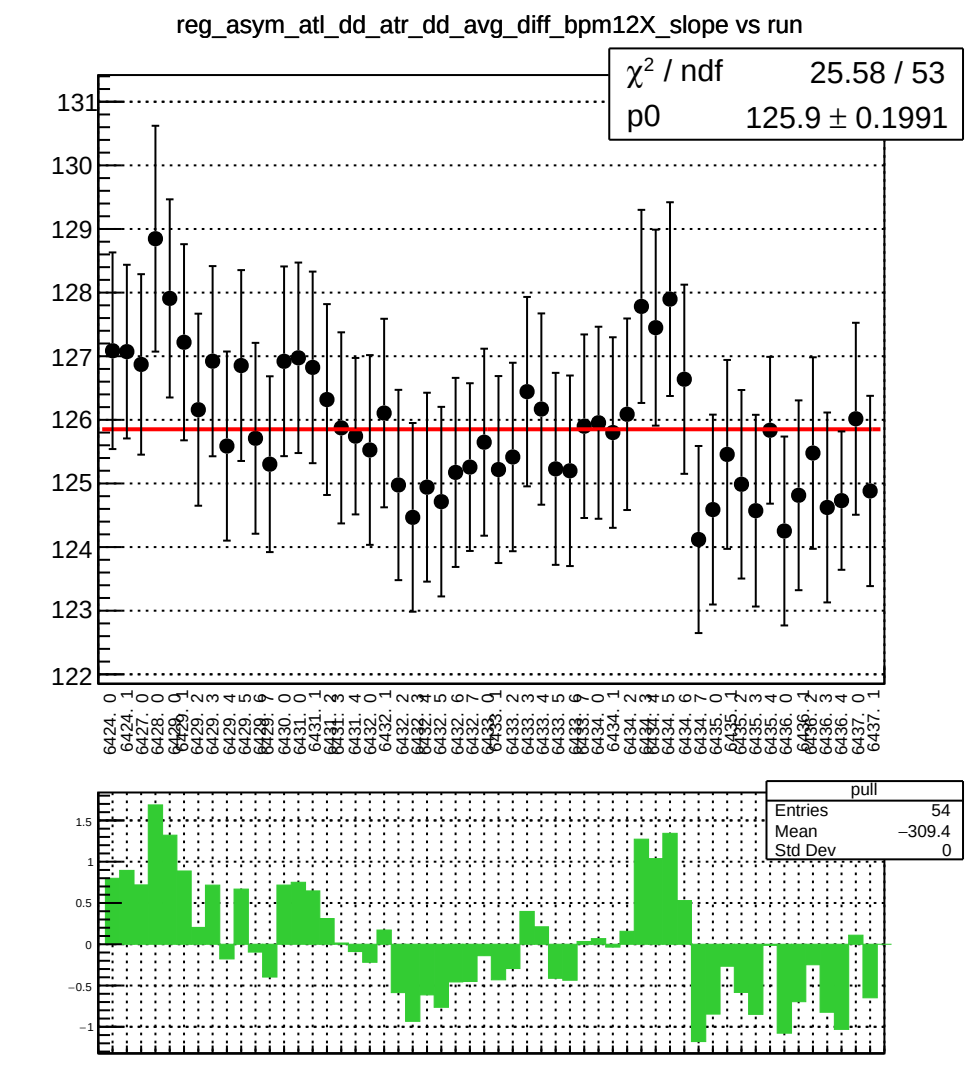

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 27.47 / 53
p0 131 ± 0.2186
pull
Entries 54
Mean −461.3
Std Dev 0
pull1D
Entries 54
Mean 0.004073
Std Dev 0.7133

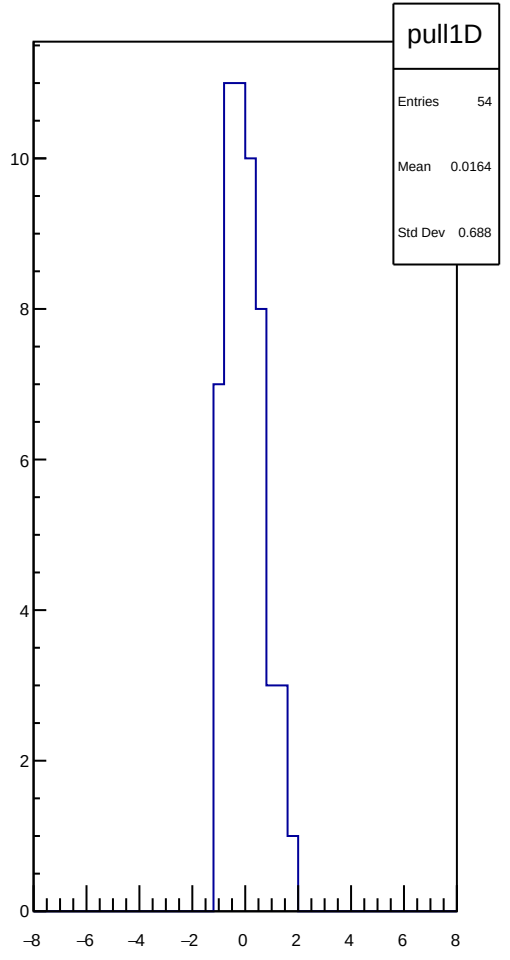

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.21 / 53
p0 213.3 ± 4.877
pull
Entries 54
Mean 102.3
Std Dev 0
pull1D
Entries 54
Mean 0.02482
Std Dev 0.5801

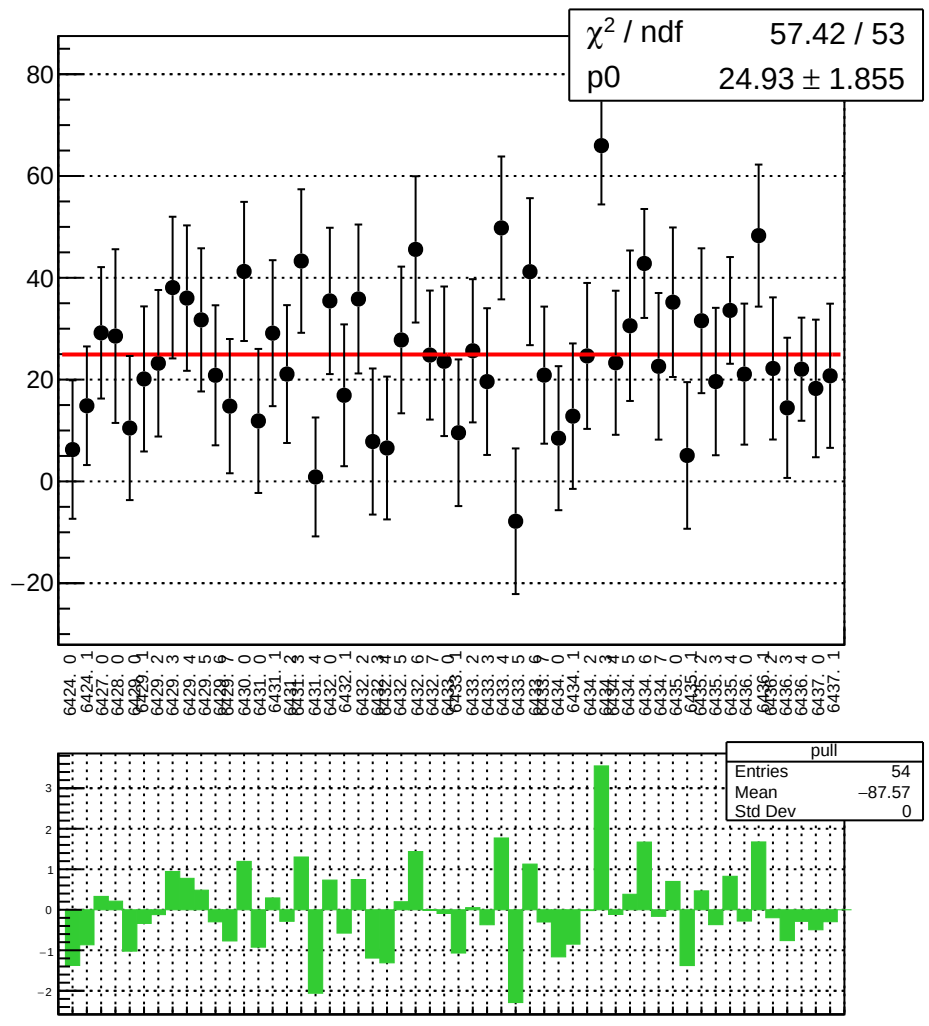

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 53
p0 0.342 ± 4.925
pull
Entries 54
Mean −52.96
Std Dev 0
pull1D
Entries 54
Mean −0.02581
Std Dev 0.4476

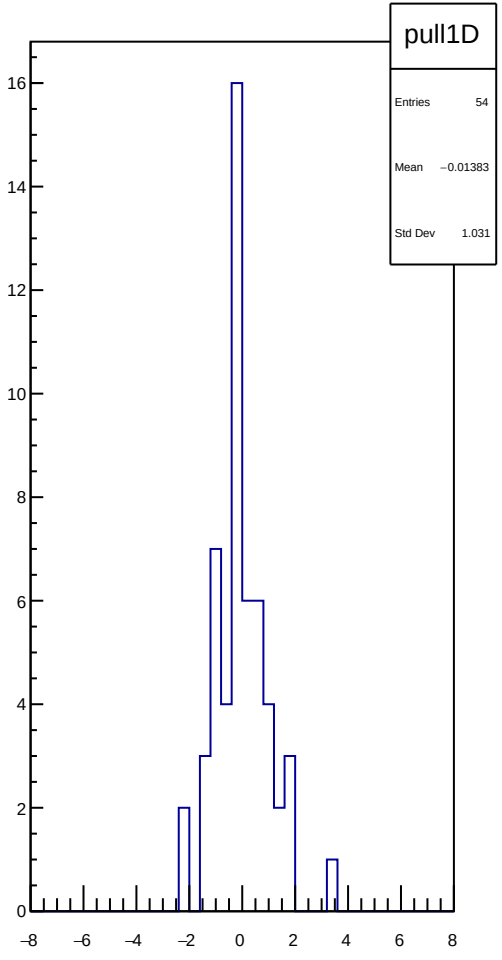

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.69 / 53
p0 −246.2 ± 5.097
pull
Entries 54
Mean 111.7
Std Dev 0
pull1D
Entries 54
Mean −0.02431
Std Dev 0.5718

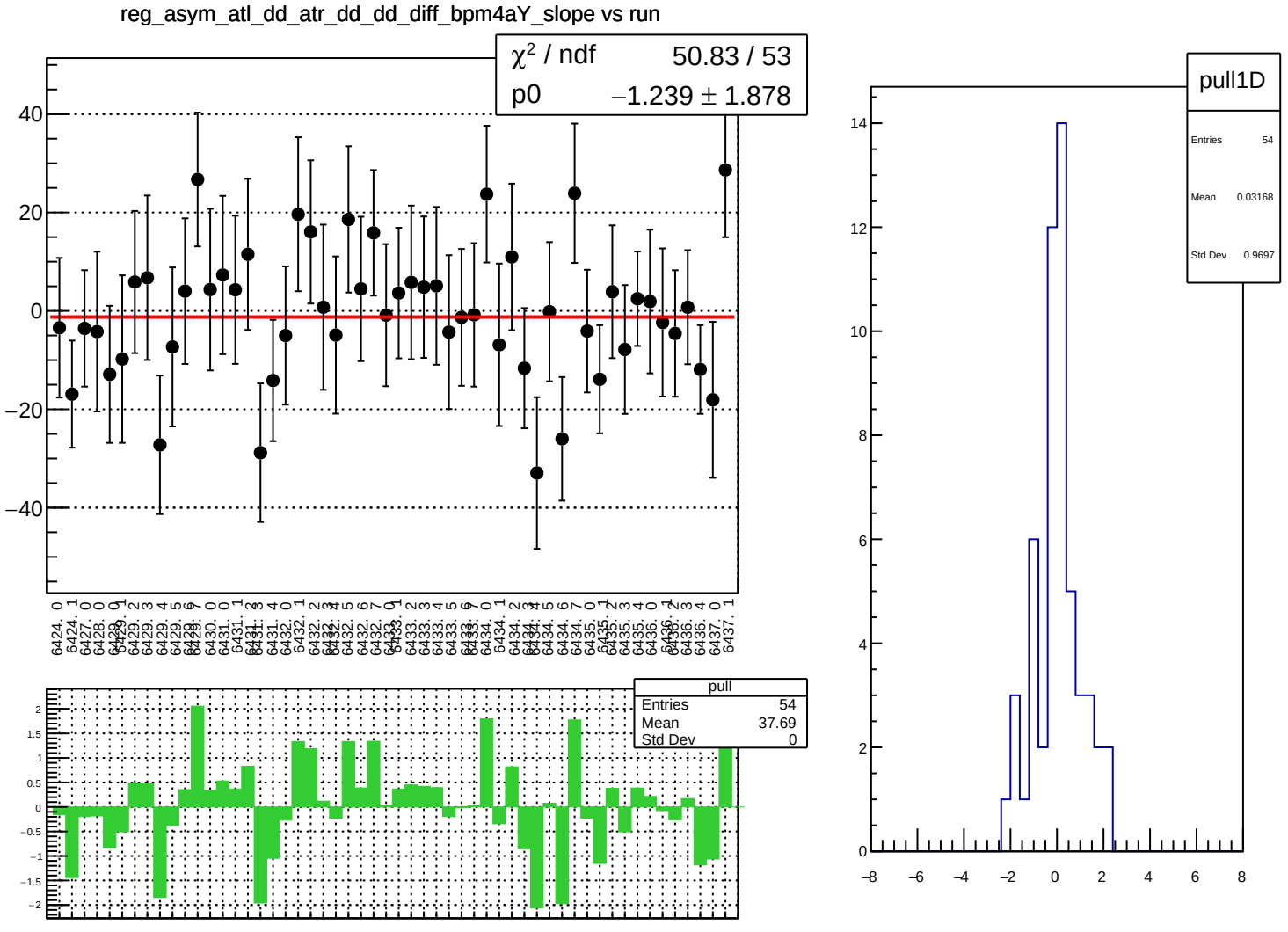

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.71 / 53
p0 −97.21 ± 5.019
pull
Entries 54
Mean −107.9
Std Dev 0
pull1D
Entries 54
Mean 0.02283
Std Dev 0.4845

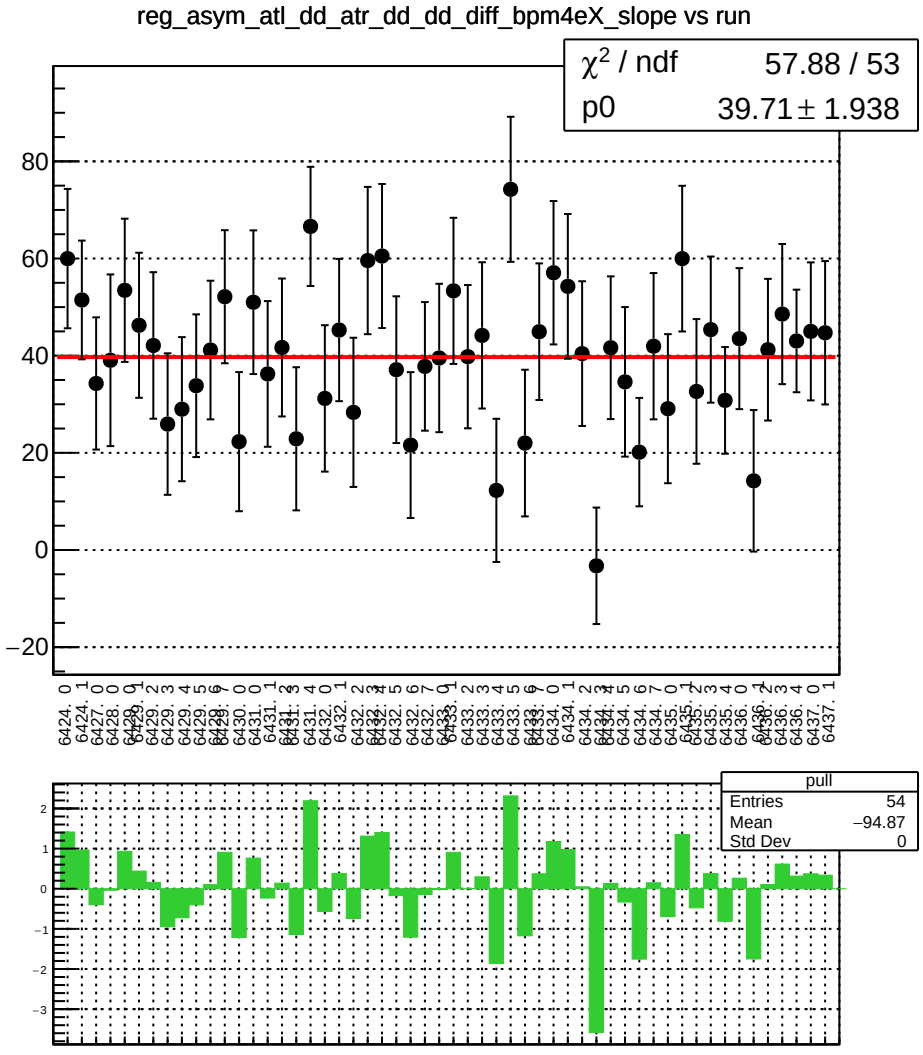

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 25.58 / 53
p0 125.9 ± 0.1991
pull
Entries 54
Mean −309.4
Std Dev 0

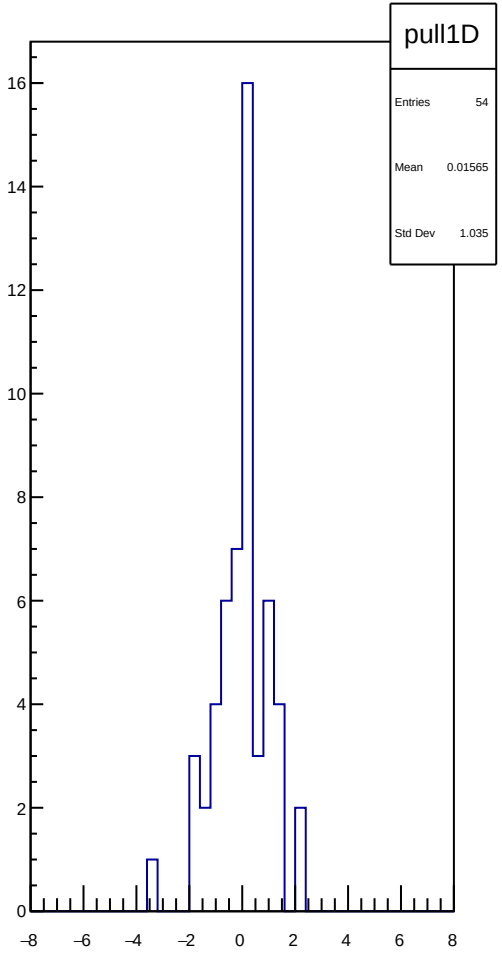

pull1D
Entries 54
Mean 0.0164
Std Dev 0.688

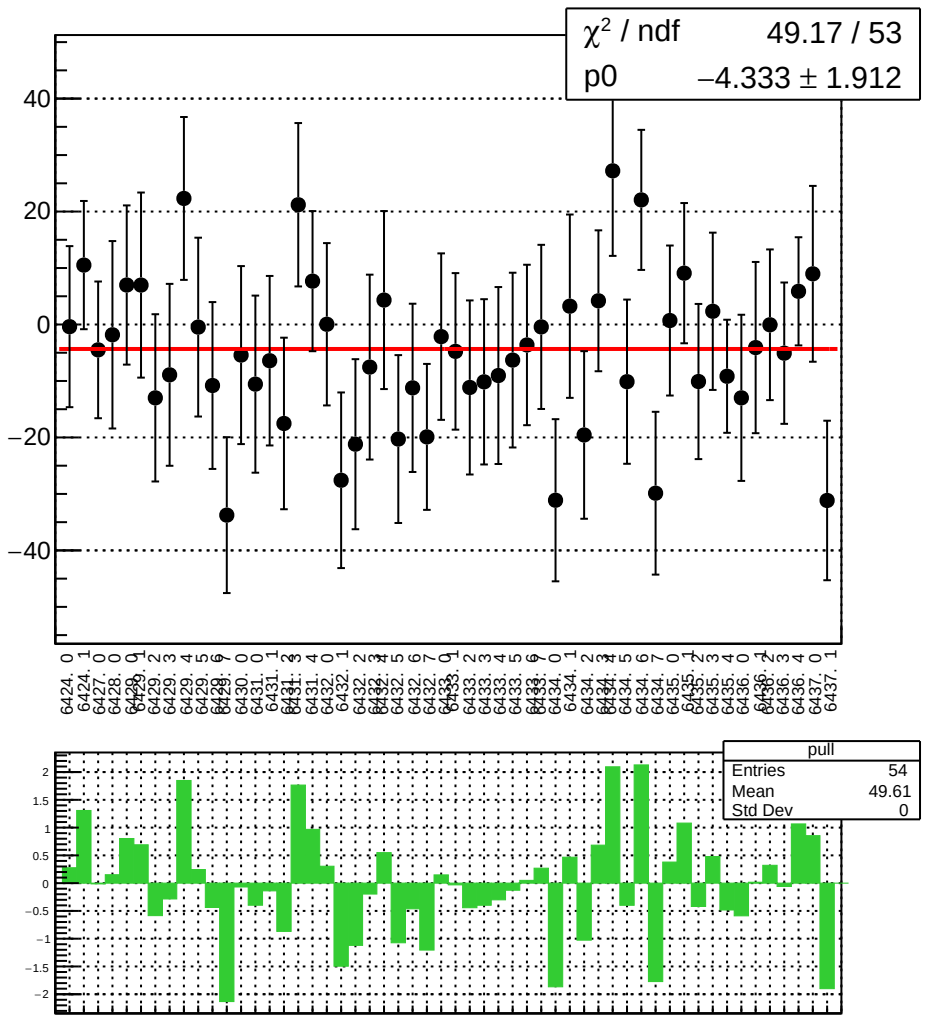

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.42 / 53
p0 24.93 ± 1.855
pull
Entries 54
Mean −87.57
Std Dev 0

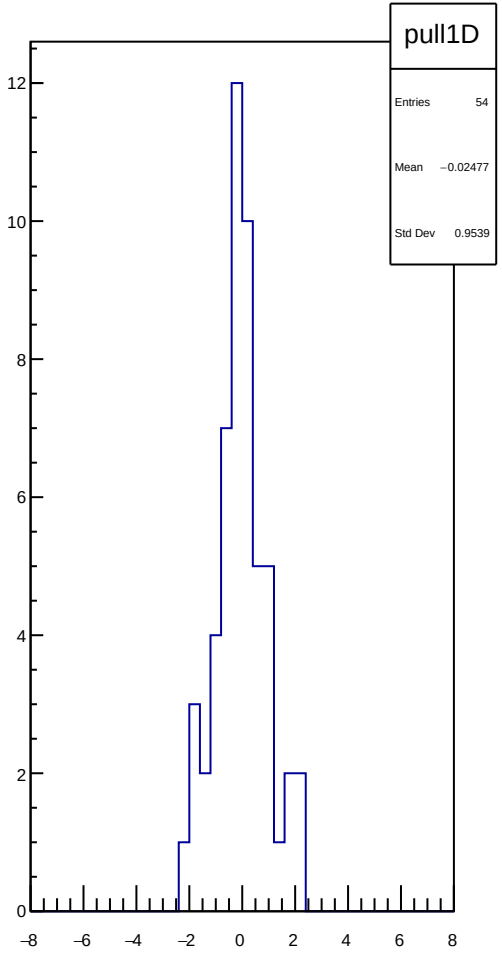

pull1D
Entries 54
Mean −0.01383
Std Dev 1.031

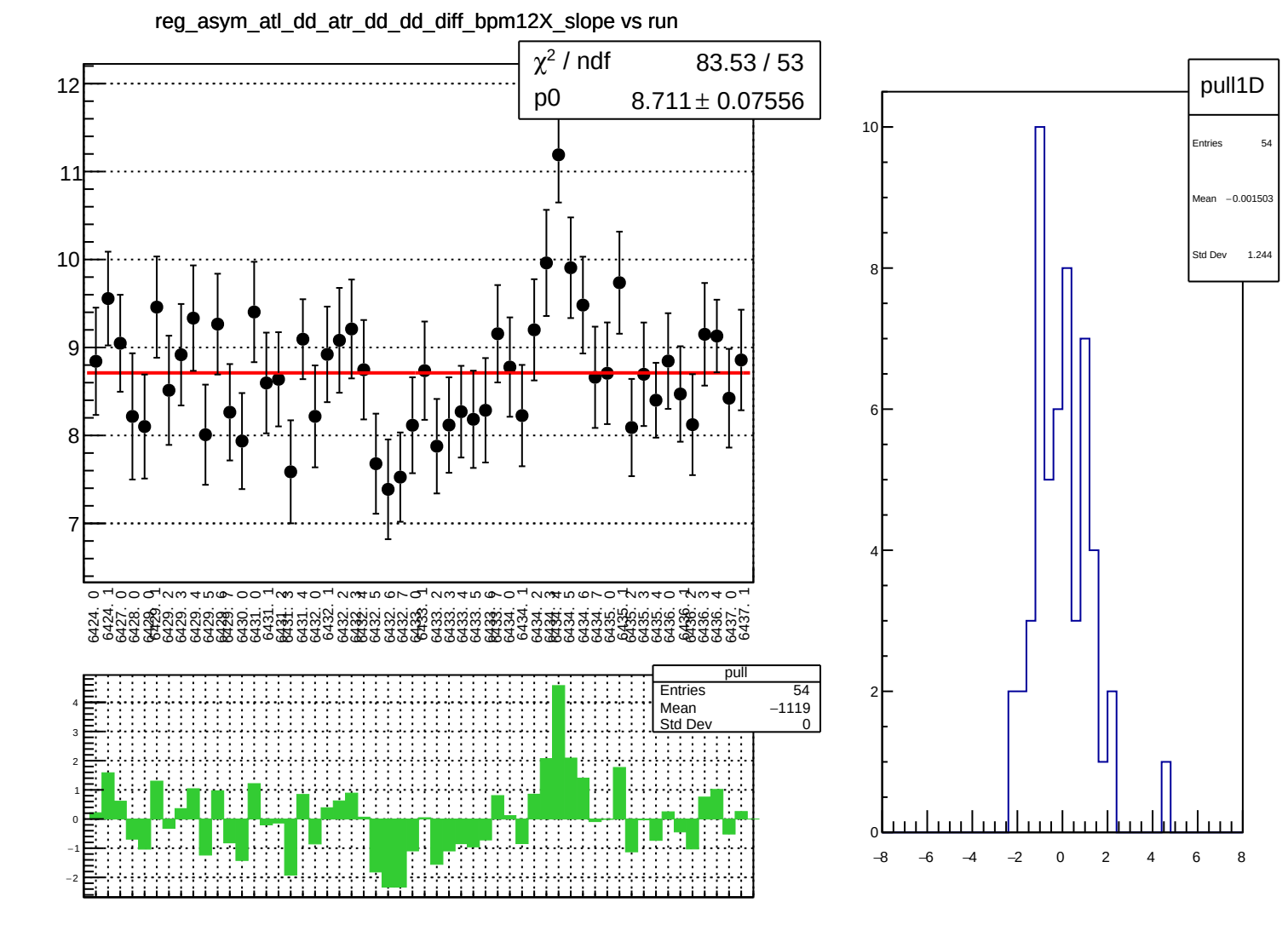

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.83 / 53
p0 −1.239 ± 1.878
pull
Entries 54
Mean 37.69
Std Dev 0
pull1D
Entries 54
Mean 0.03168
Std Dev 0.9697

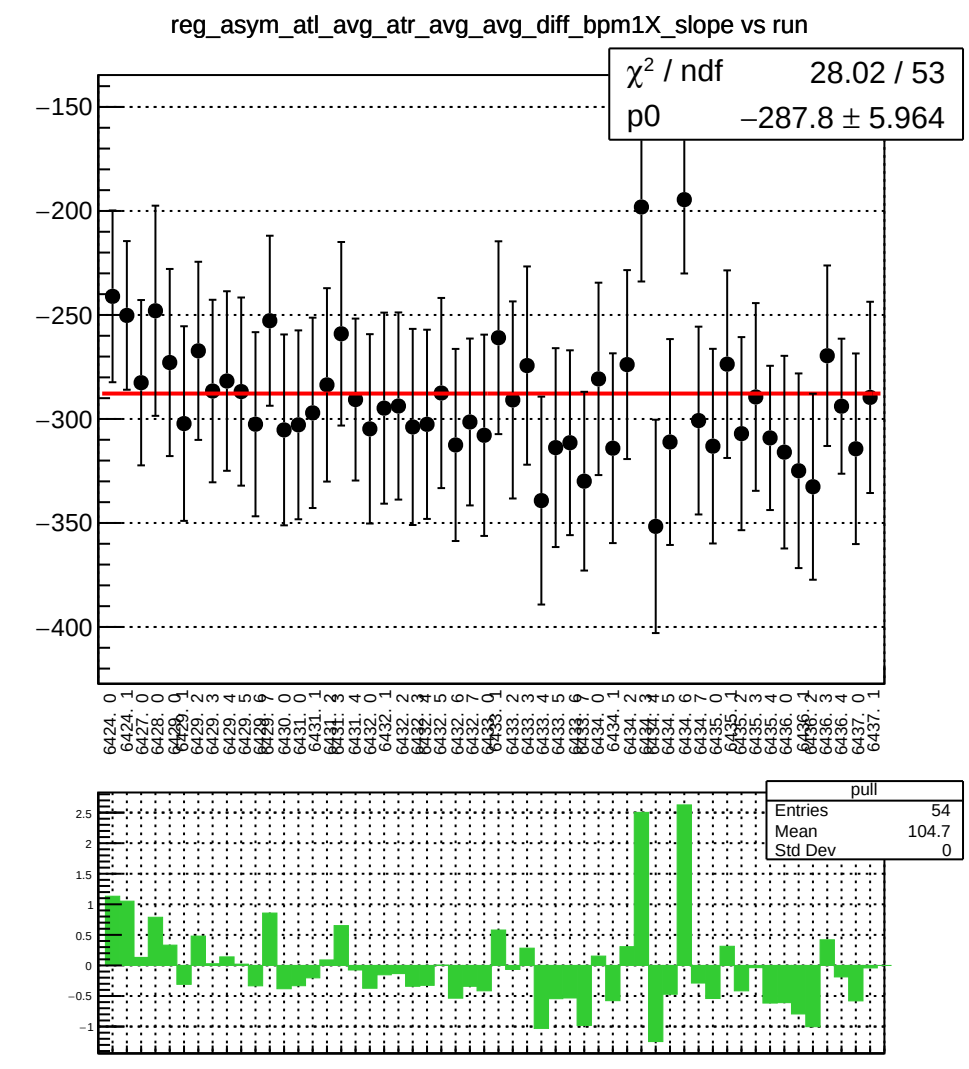

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.88 / 53
p0 39.71 ± 1.938
pull
Entries 54
Mean −94.87
Std Dev 0

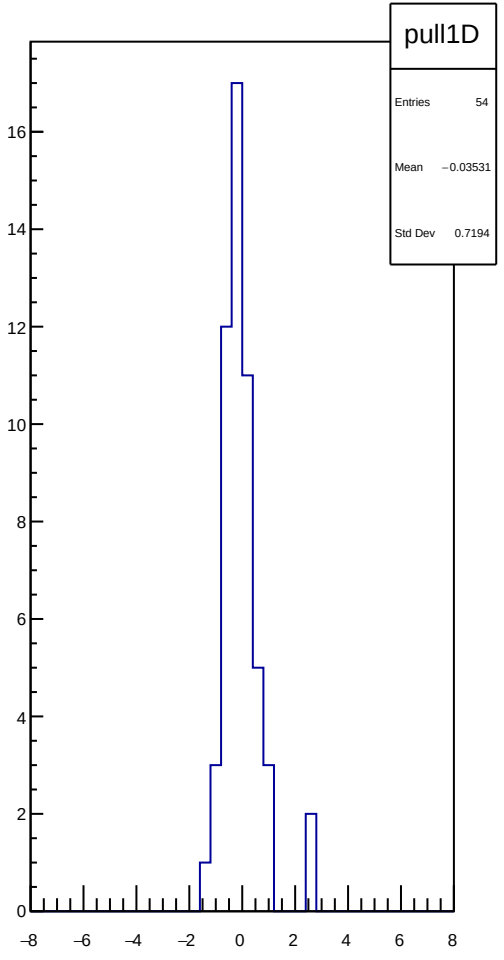

pull1D
Entries 54
Mean 0.01565
Std Dev 1.035

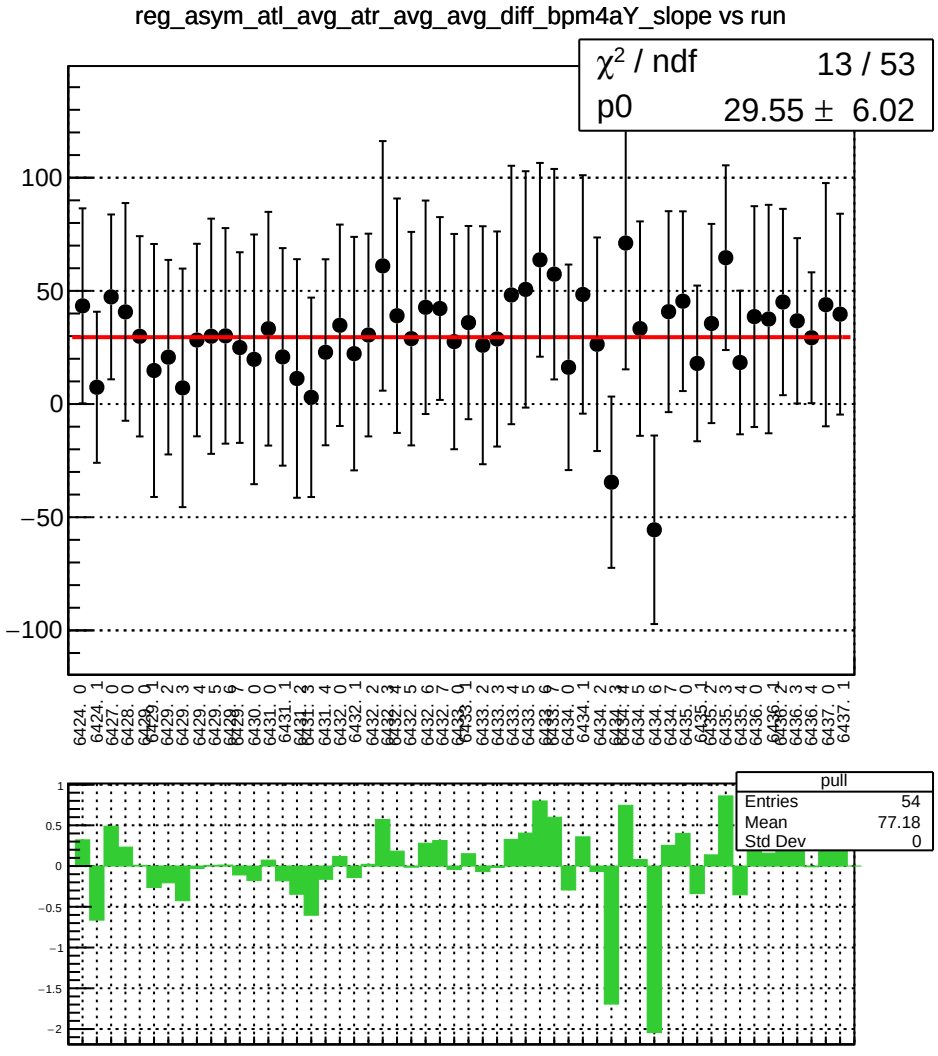

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.17 / 53
p0 −4.333 ± 1.912
pull
Entries 54
Mean 49.61
Std Dev 0

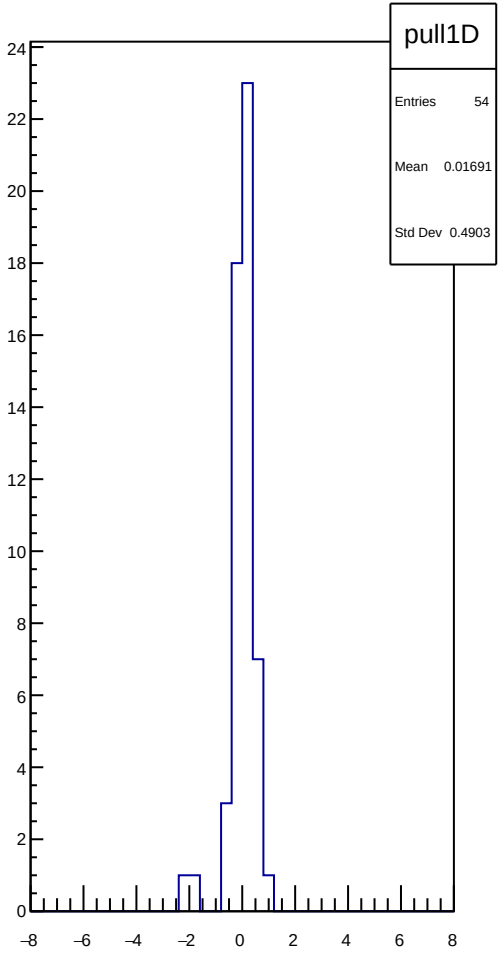

pull1D
Entries 54
Mean −0.02477
Std Dev 0.9539

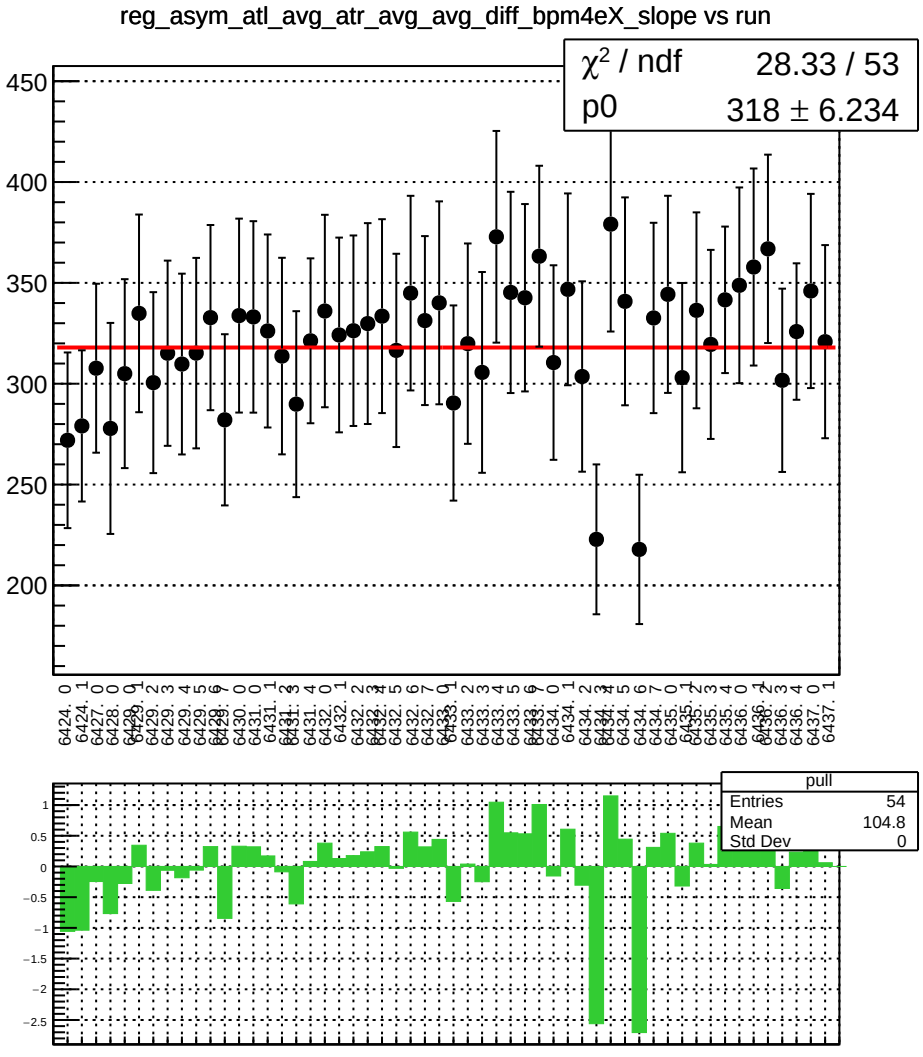

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 83.53 / 53
p0 8.711 ± 0.07556
pull
Entries 54
Mean −1119
Std Dev 0
pull1D
Entries 54
Mean −0.001503
Std Dev 1.244

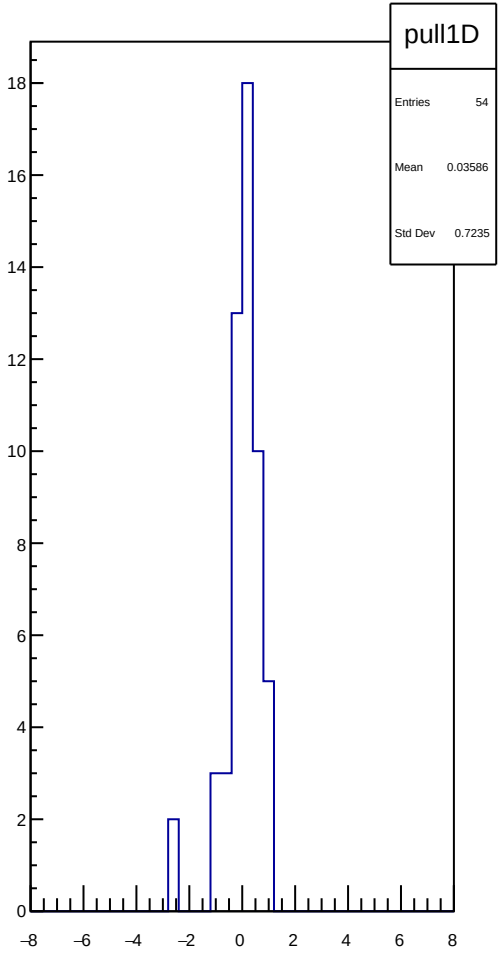

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 28.02 / 53
p0 −287.8 ± 5.964
pull
Entries 54
Mean 104.7
Std Dev 0

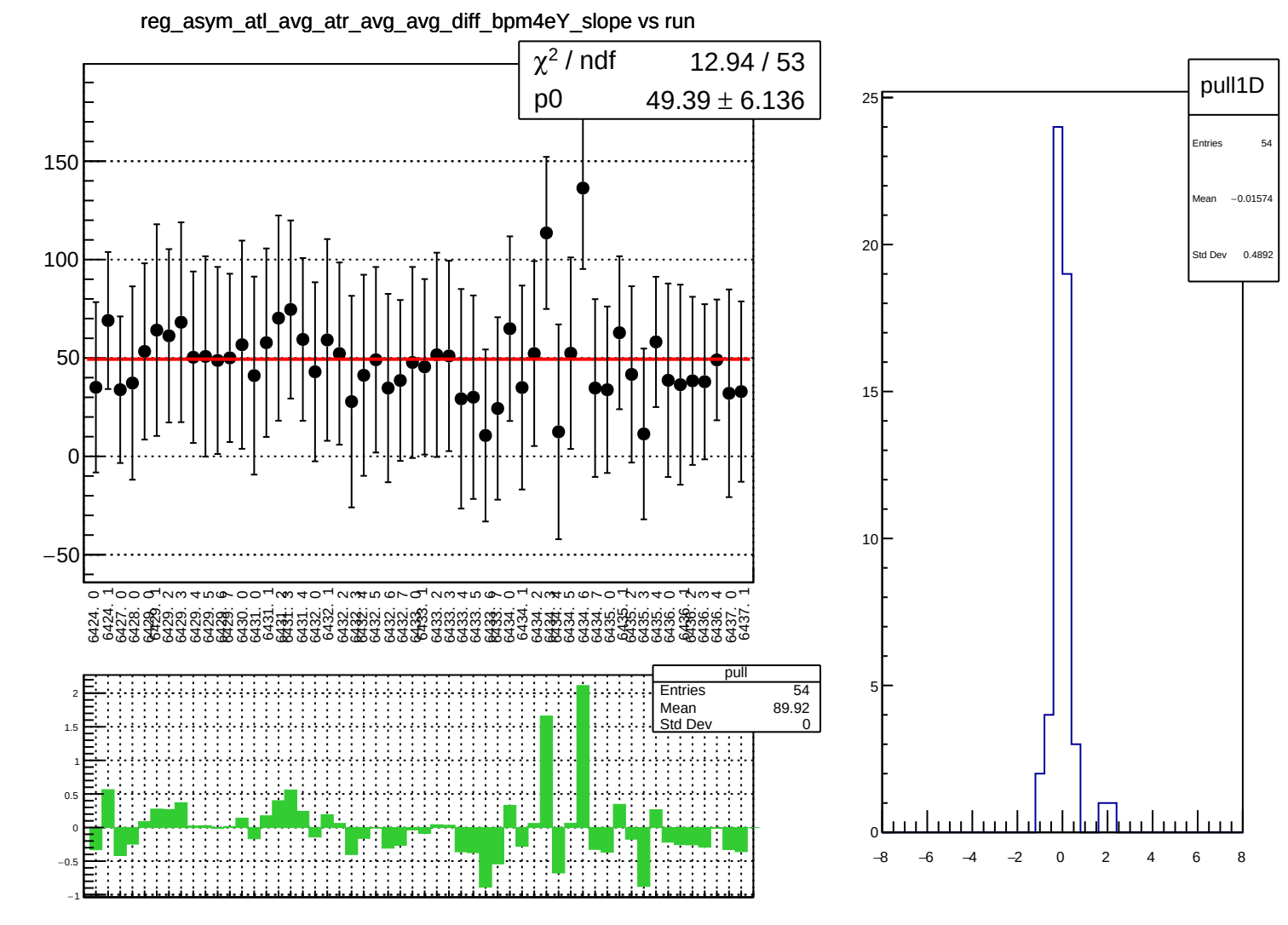

pull1D
Entries 54
Mean −0.03531
Std Dev 0.7194

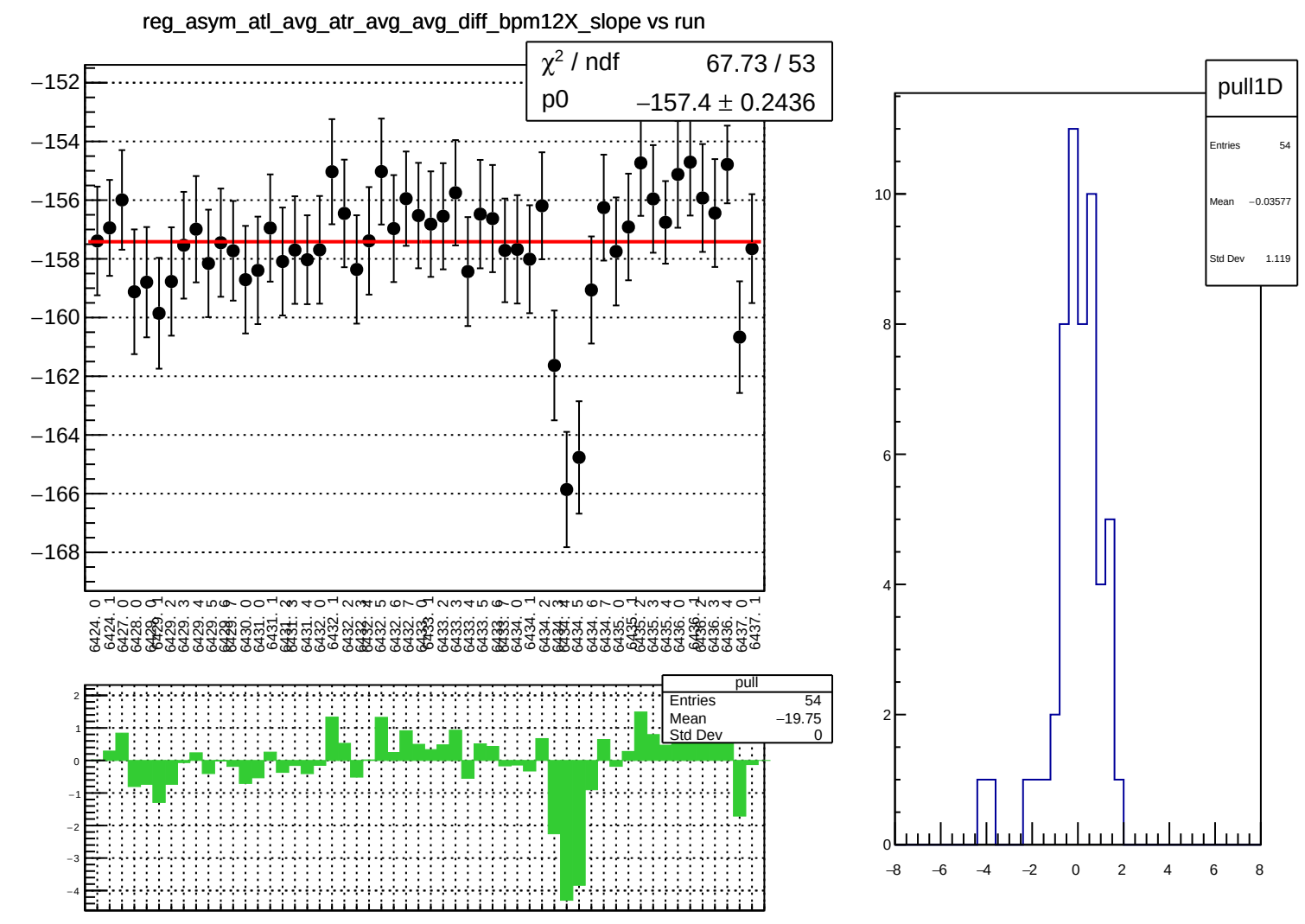

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13 / 53
p0 29.55 ± 6.02
pull
Entries 54
Mean 77.18
Std Dev 0

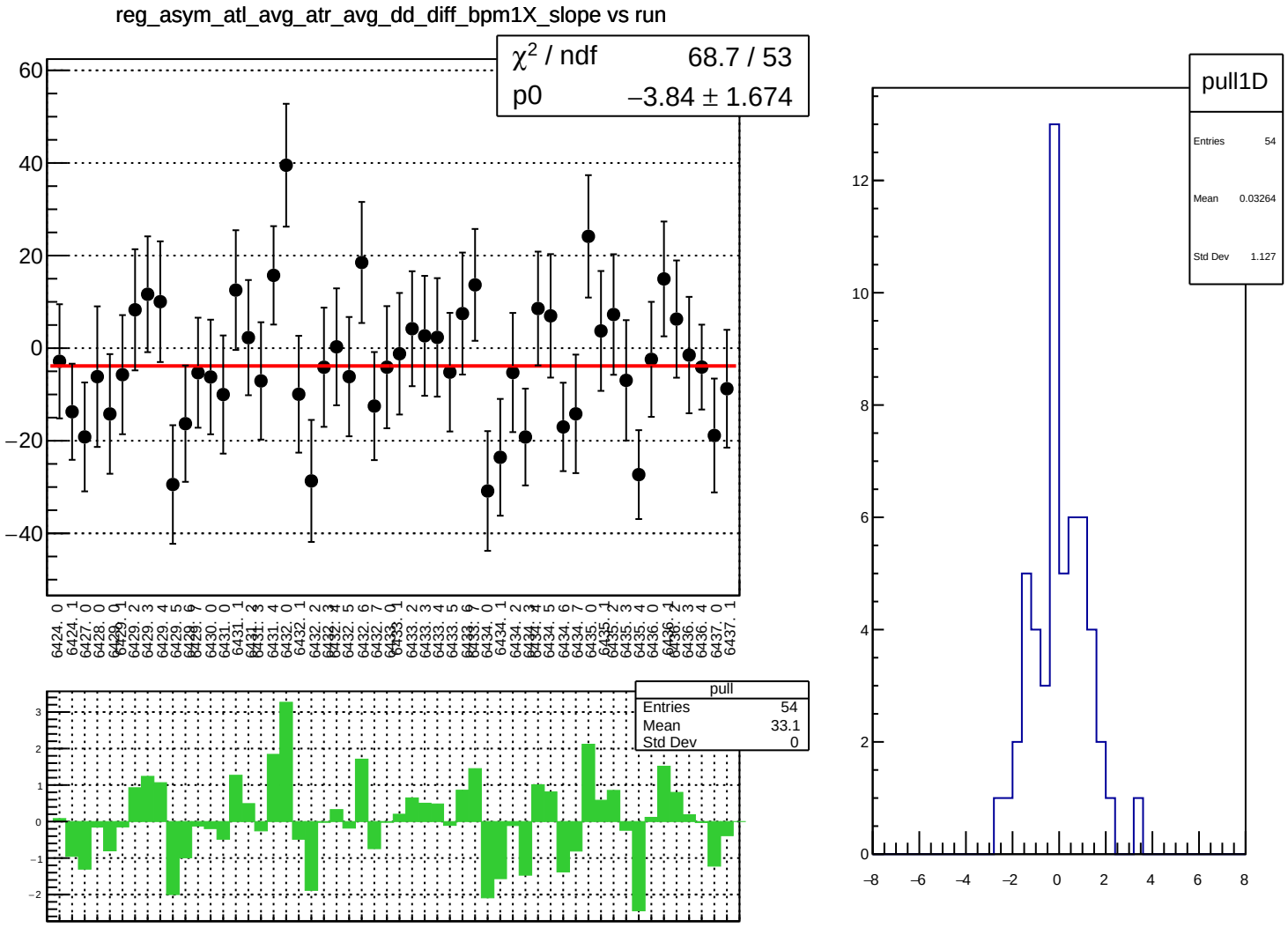

pull1D
Entries 54
Mean 0.01691
Std Dev 0.4903

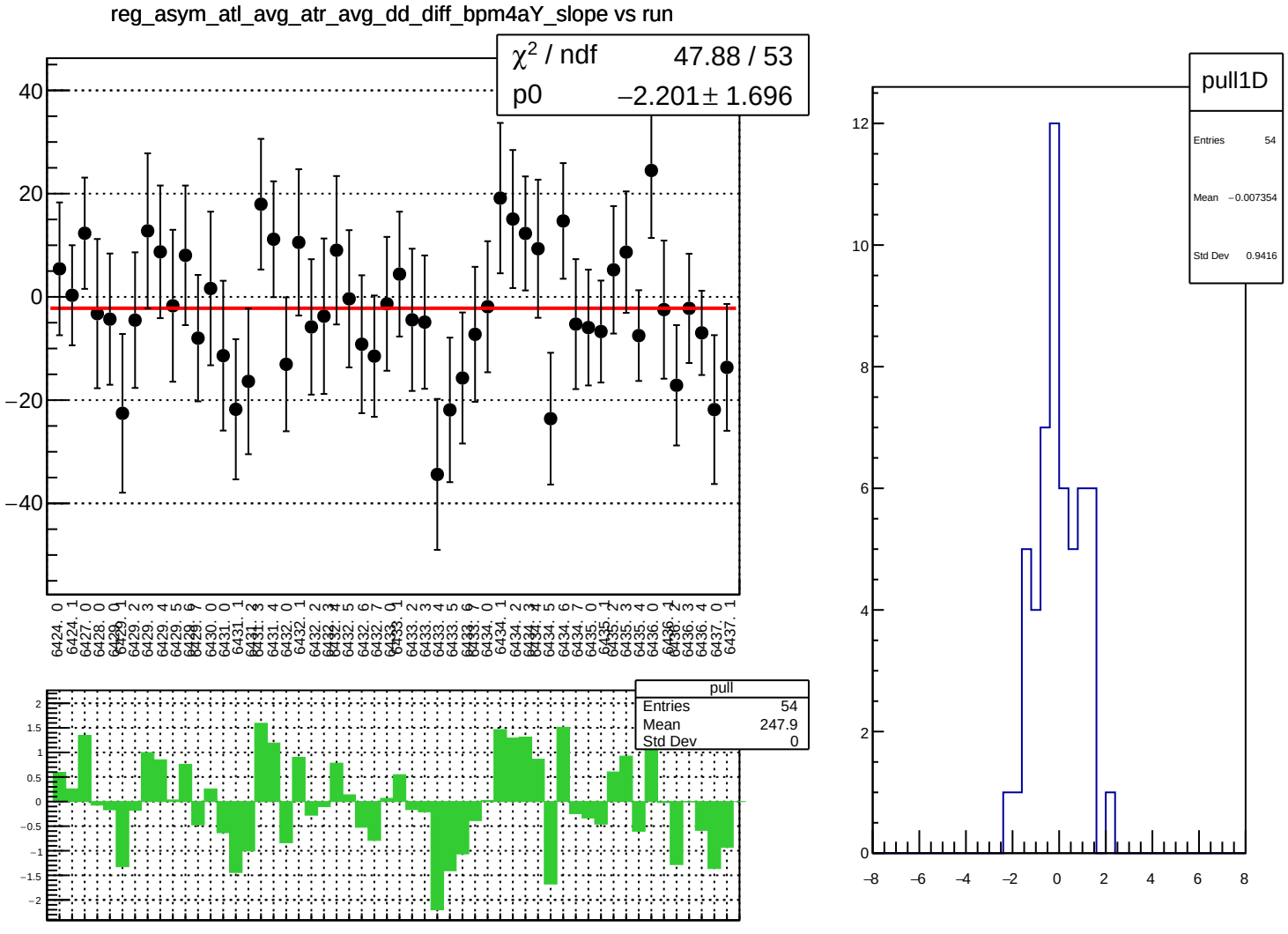

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.33 / 53
p0 318 ± 6.234
pull
Entries 54
Mean 104.8
Std Dev 0

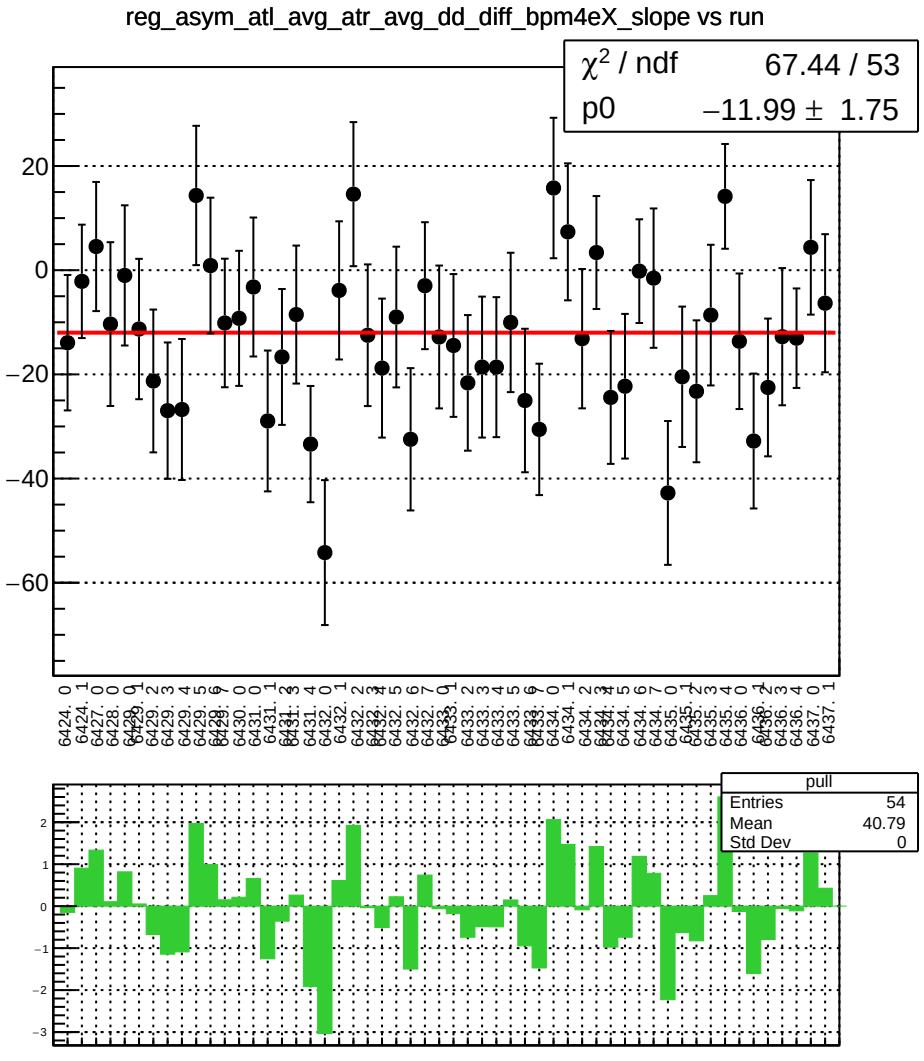

pull1D
Entries 54
Mean 0.03586
Std Dev 0.7235

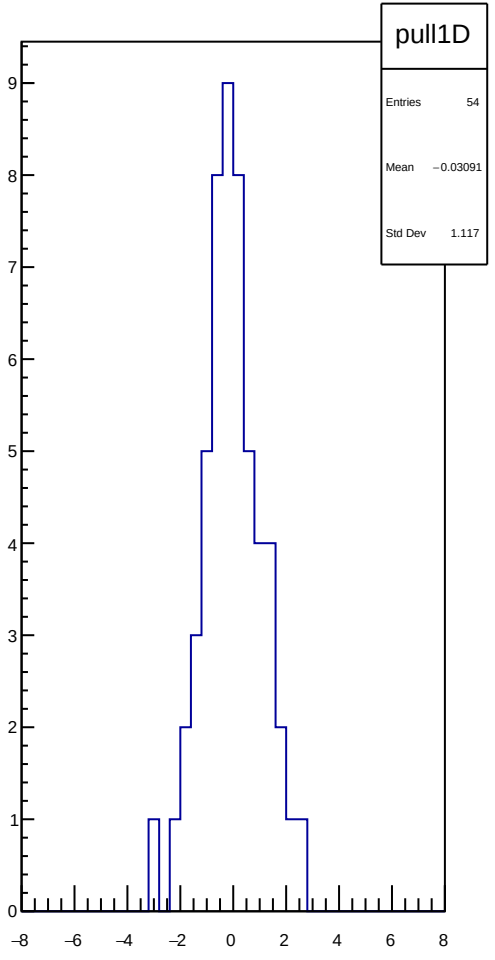

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.94 / 53
p0 49.39 ± 6.136
150
100
50
0
−50
pull
Entries 54
Mean 89.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.01574
Std Dev 0.4892
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

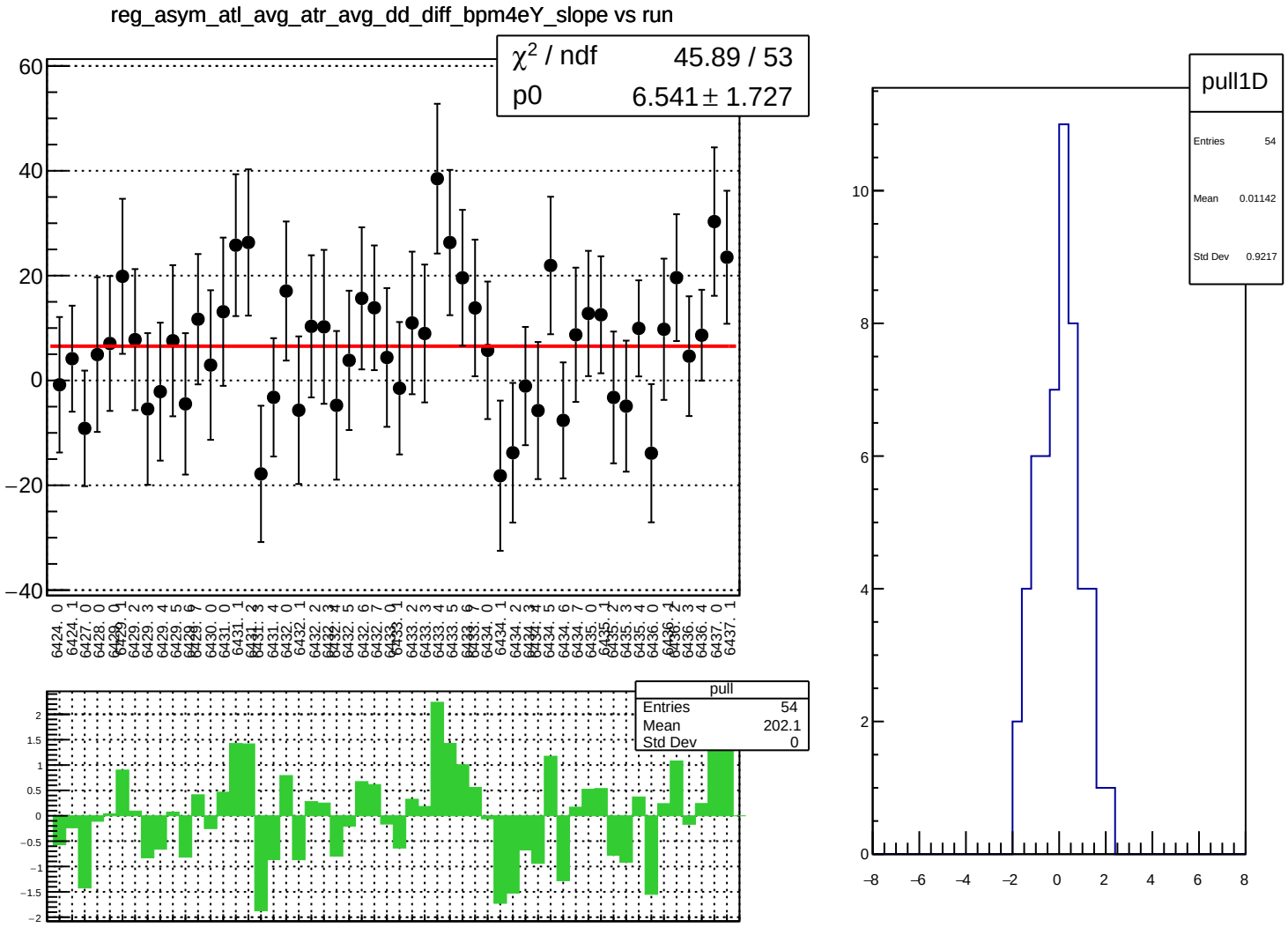

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 67.73 / 53
p0 −157.4 ± 0.2436
pull
Entries 54
Mean −19.75
Std Dev 0
pull1D
Entries 54
Mean −0.03577
Std Dev 1.119

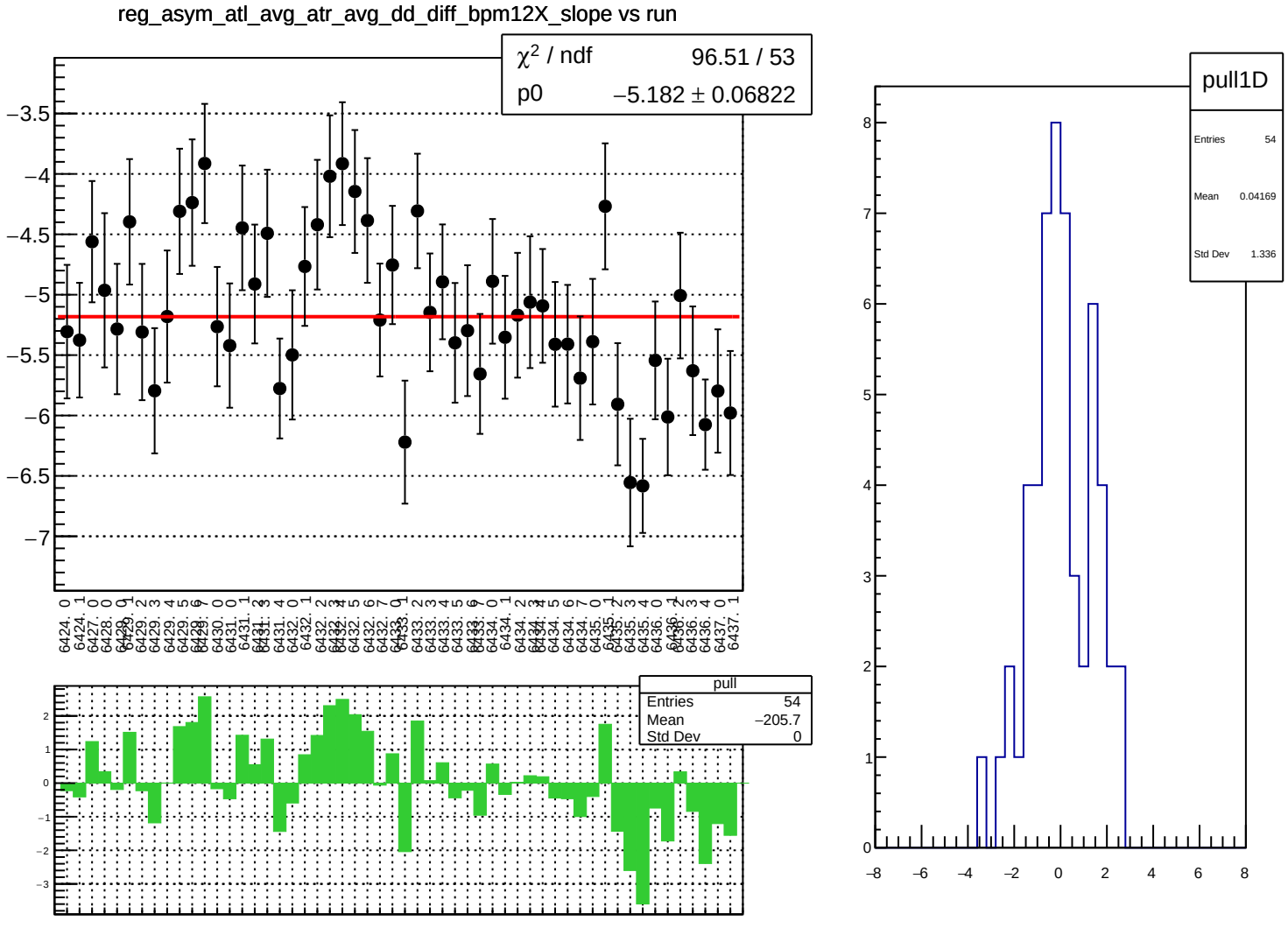

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 68.7 / 53
p0 −3.84 ± 1.674
pull
Entries 54
Mean 33.1
Std Dev 0
pull1D
Entries 54
Mean 0.03264
Std Dev 1.127

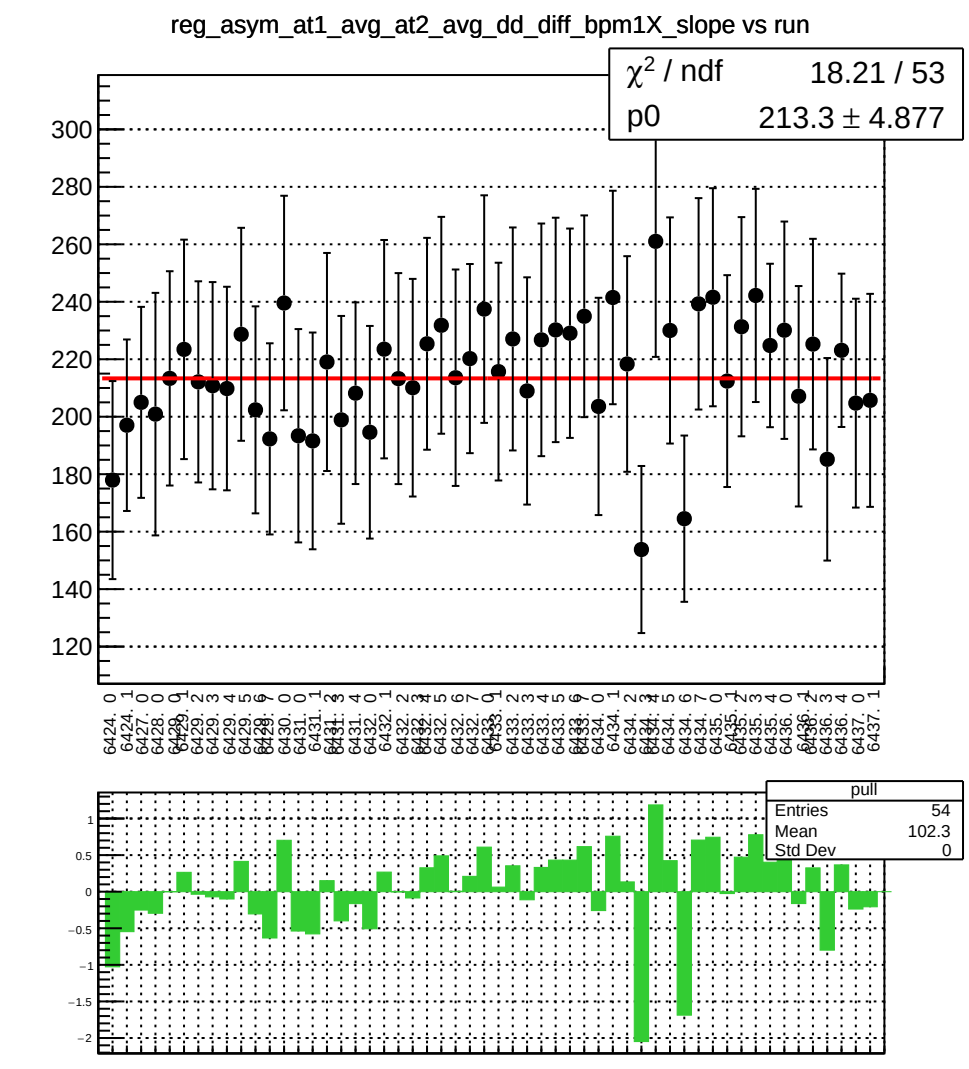

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.88 / 53
p0 −2.201± 1.696
pull
Entries 54
Mean 247.9
Std Dev 0
pull1D
Entries 54
Mean −0.007354
Std Dev 0.9416

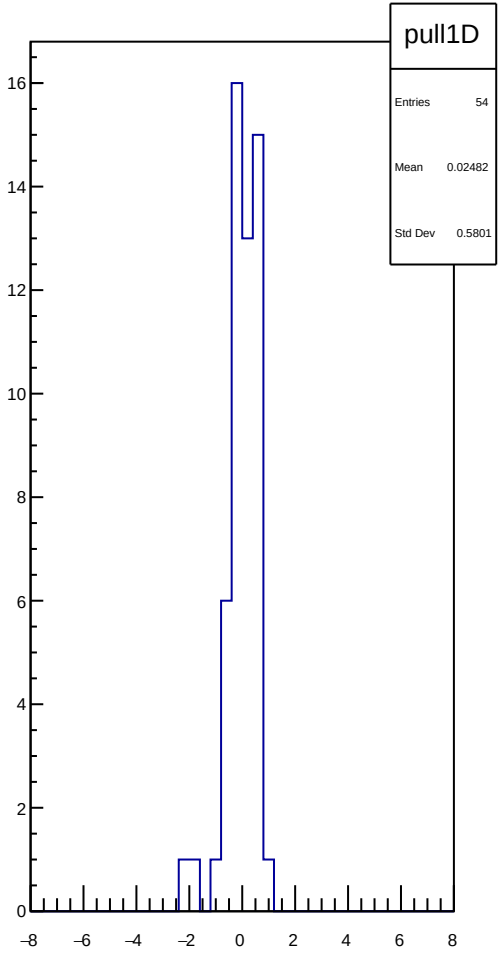

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.44 / 53
p0 −11.99 ± 1.75
pull
Entries 54
Mean 40.79
Std Dev 0

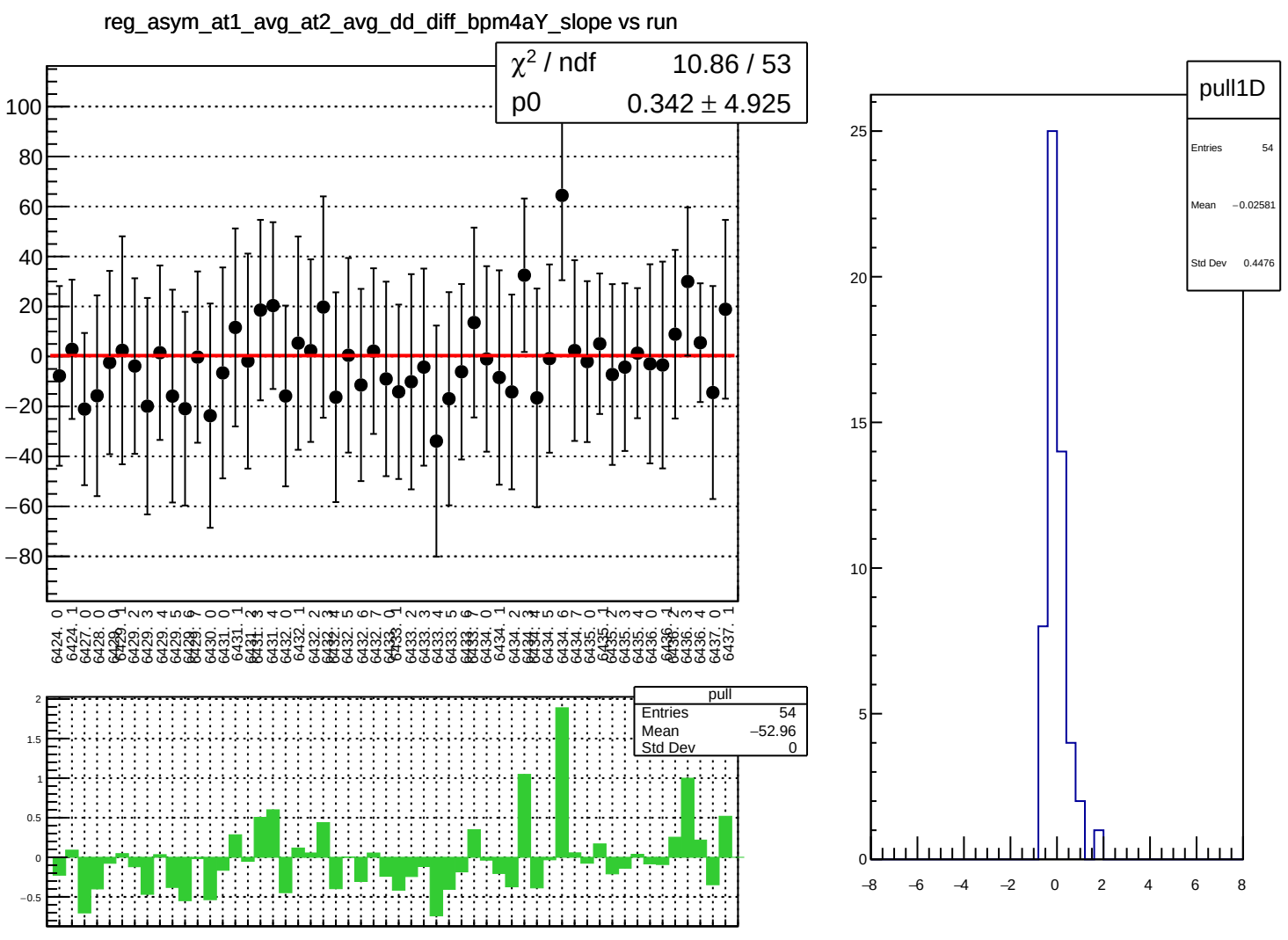

pull1D
Entries 54
Mean −0.03091
Std Dev 1.117

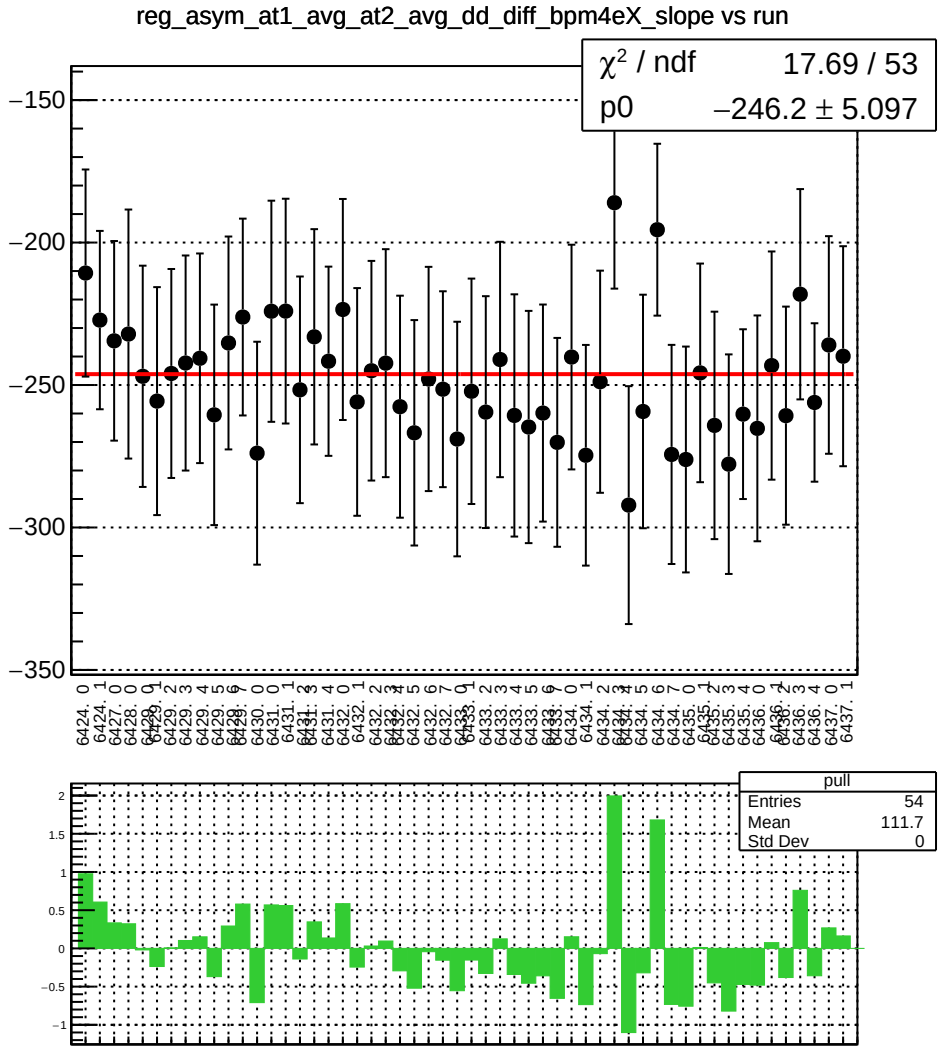

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.89 / 53
p0 6.541 ± 1.727
pull
Entries 54
Mean 202.1
Std Dev 0
pull1D
Entries 54
Mean 0.01142
Std Dev 0.9217

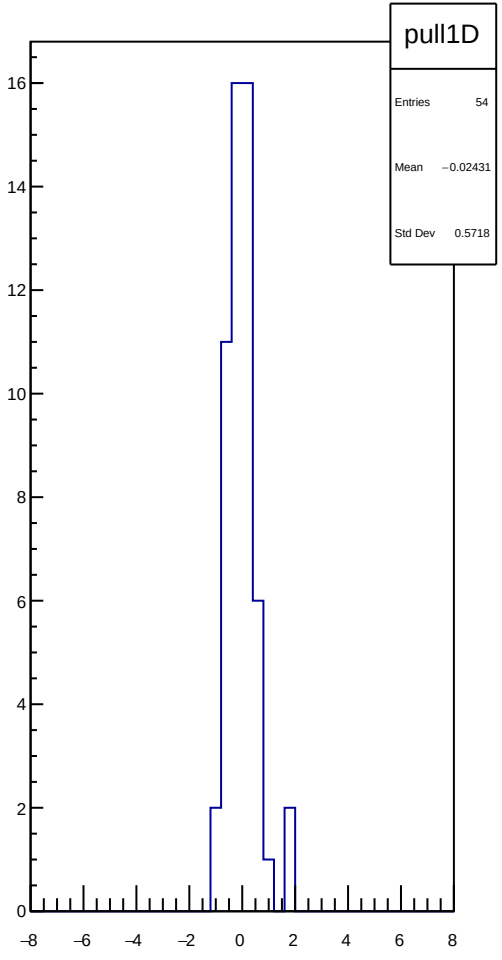

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 96.51 / 53
p0 −5.182 ± 0.06822
pull
Entries 54
Mean −205.7
Std Dev 0
pull1D
Entries 54
Mean 0.04169
Std Dev 1.336

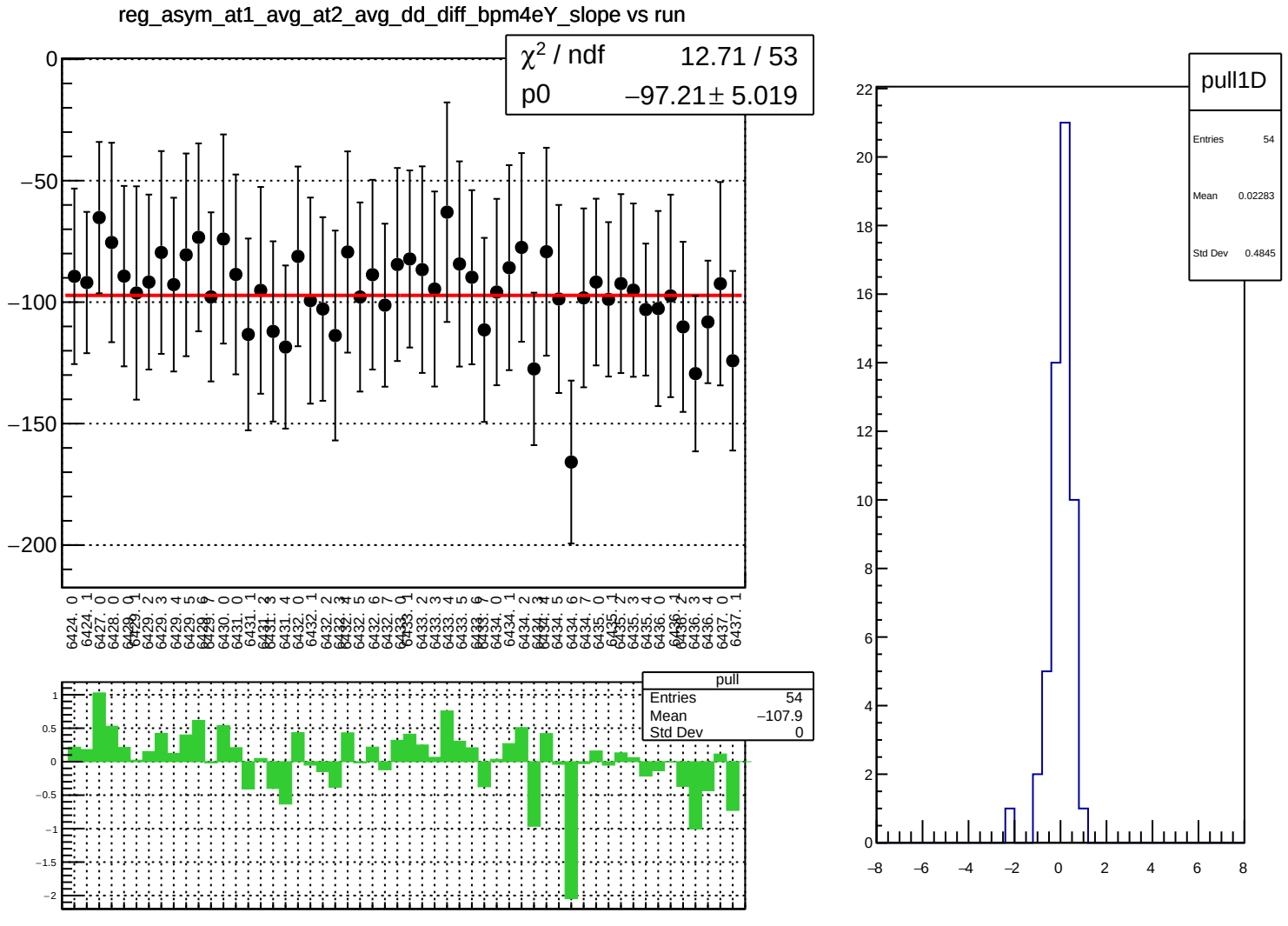

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 18.21 / 53
p0 213.3 ± 4.877
pull
Entries 54
Mean 102.3
Std Dev 0

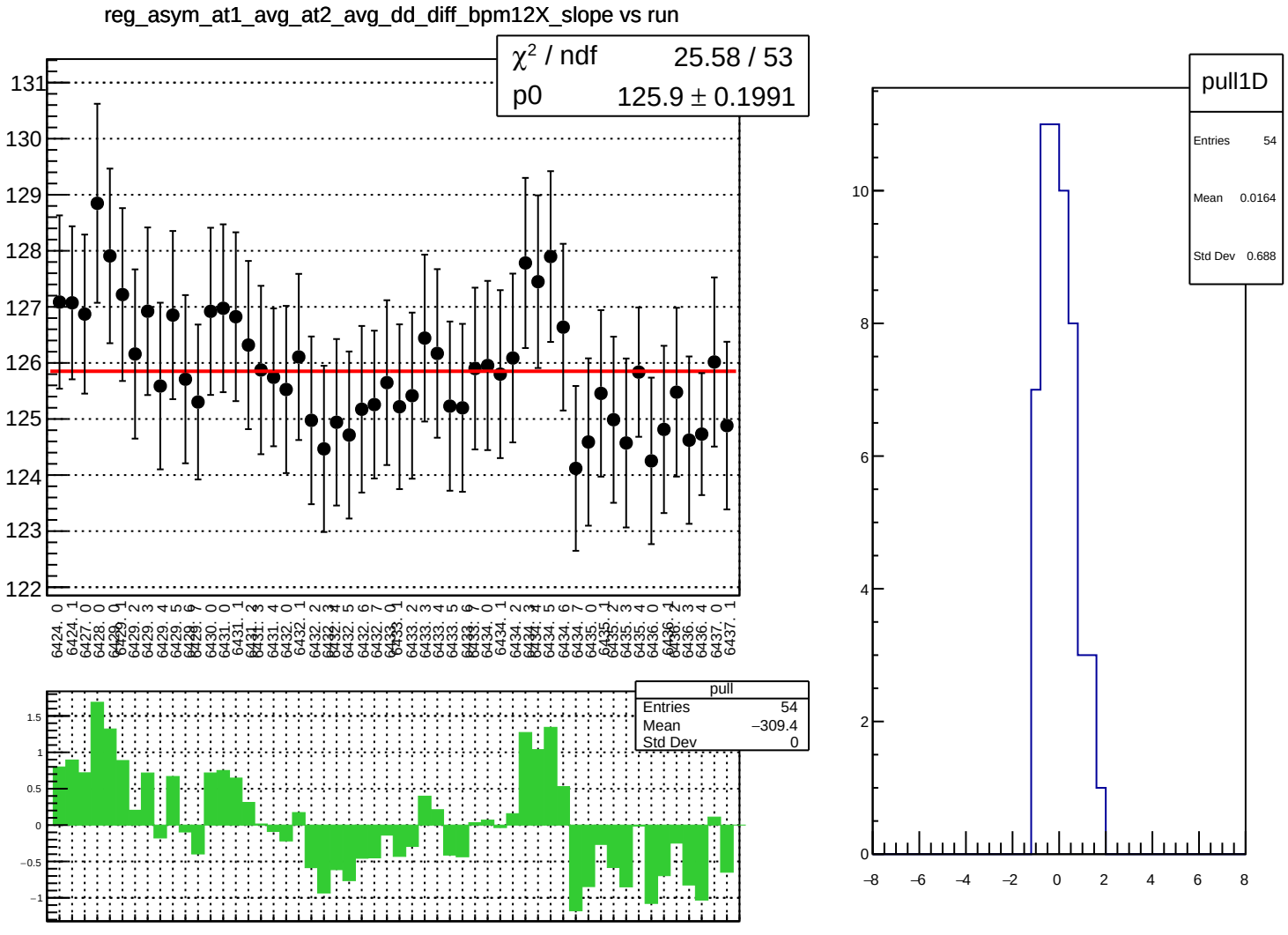

pull1D
Entries 54
Mean 0.02482
Std Dev 0.5801

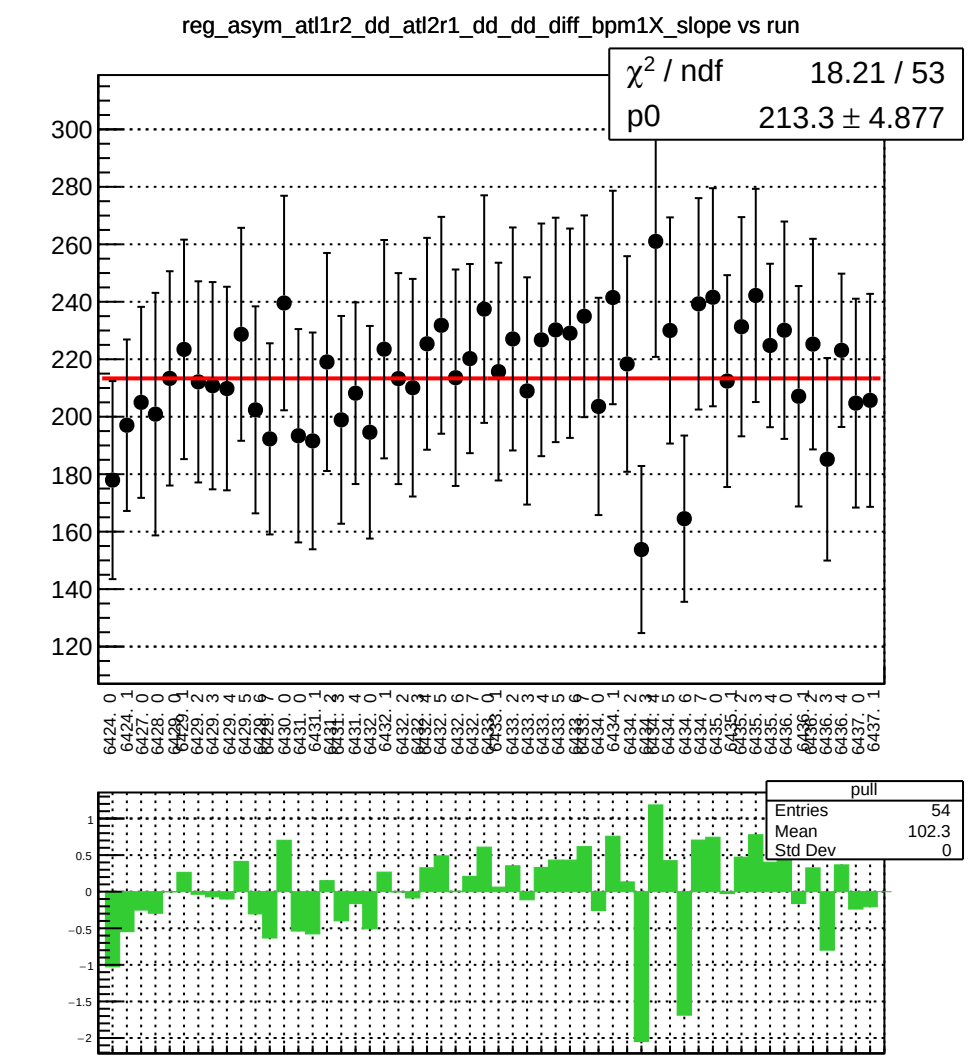

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 53
p0 0.342 ± 4.925
pull
Entries 54
Mean −52.96
Std Dev 0
pull1D
Entries 54
Mean −0.02581
Std Dev 0.4476

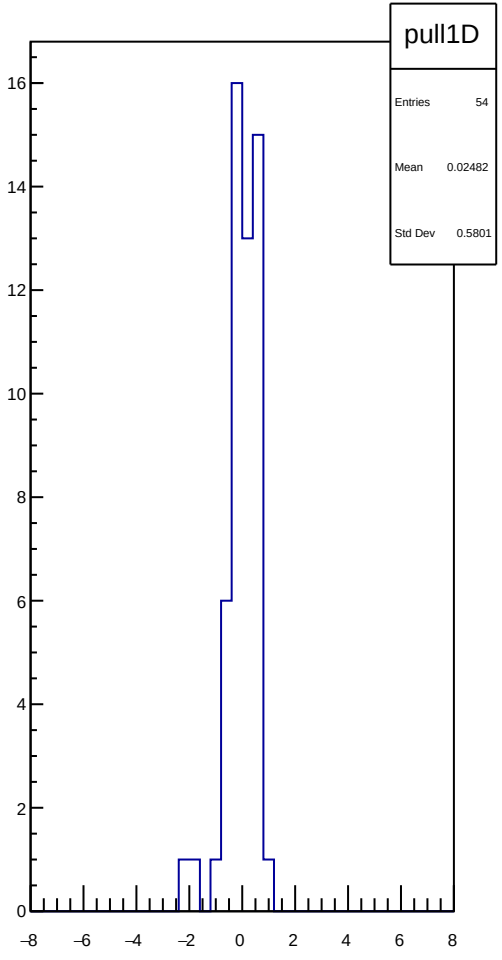

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.69 / 53
p0 −246.2 ± 5.097
pull
Entries 54
Mean 111.7
Std Dev 0

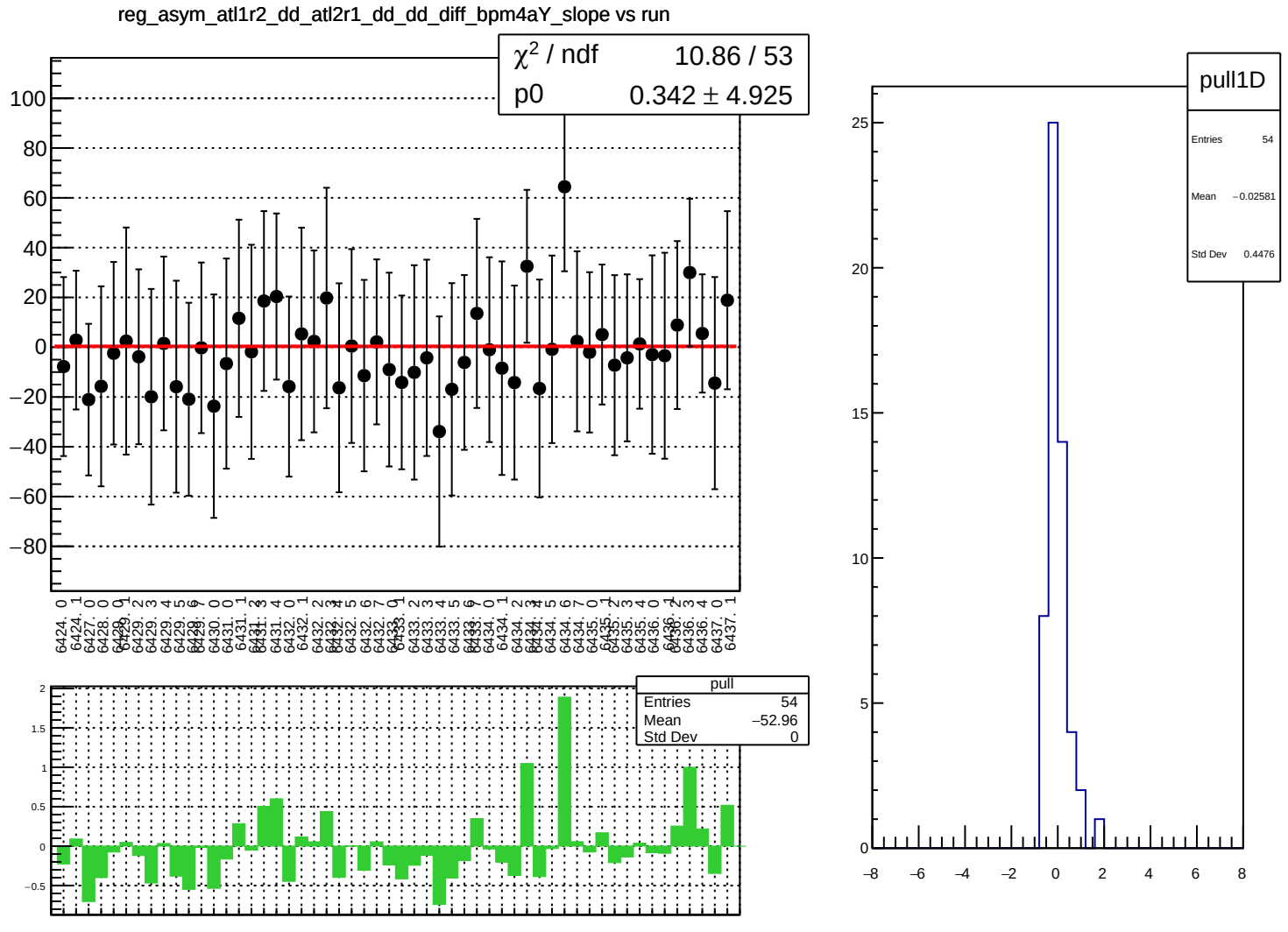

pull1D
Entries 54
Mean −0.02431
Std Dev 0.5718

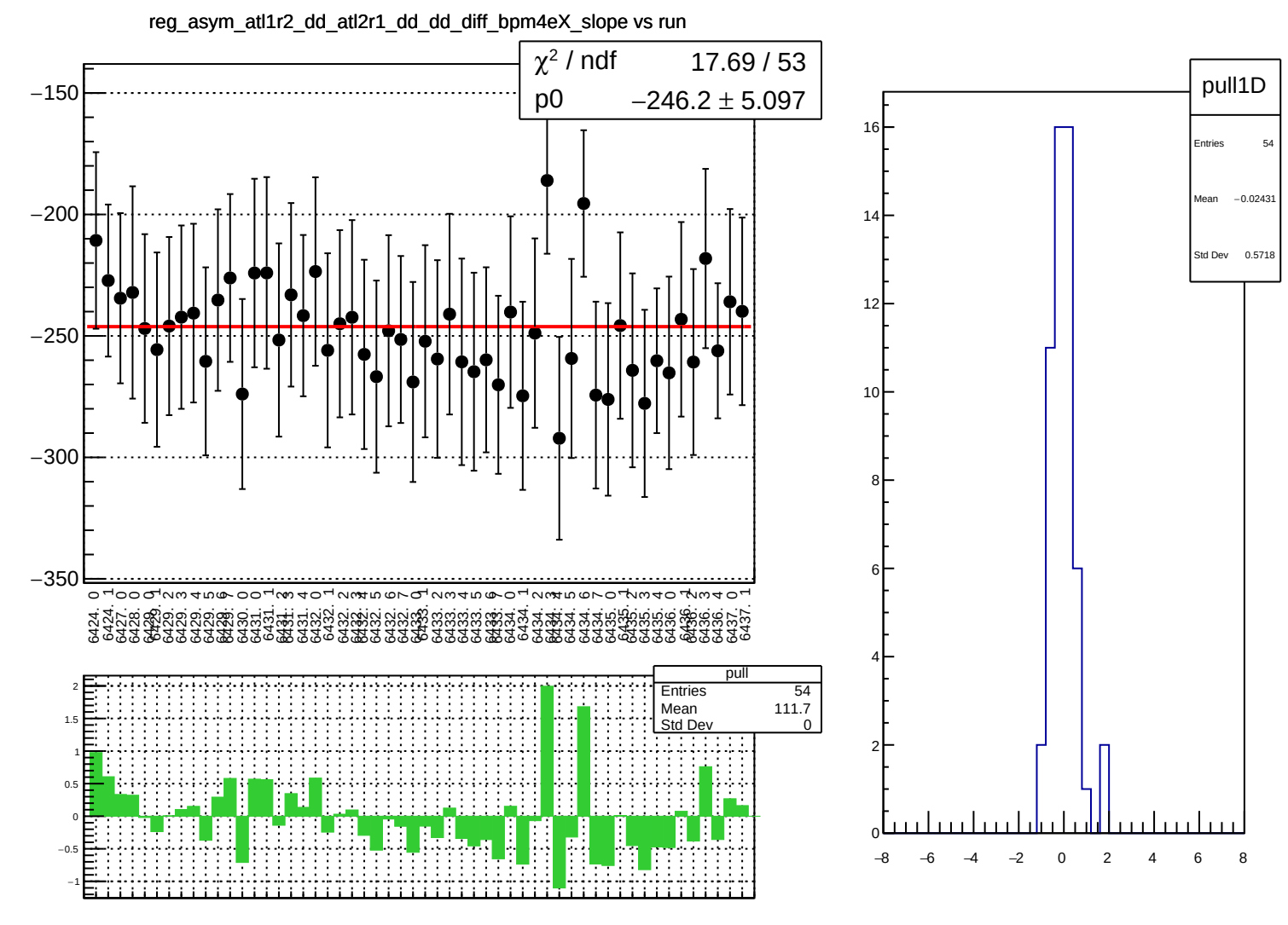

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.71 / 53
p0 −97.21 ± 5.019
pull
Entries 54
Mean −107.9
Std Dev 0
pull1D
Entries 54
Mean 0.02283
Std Dev 0.4845

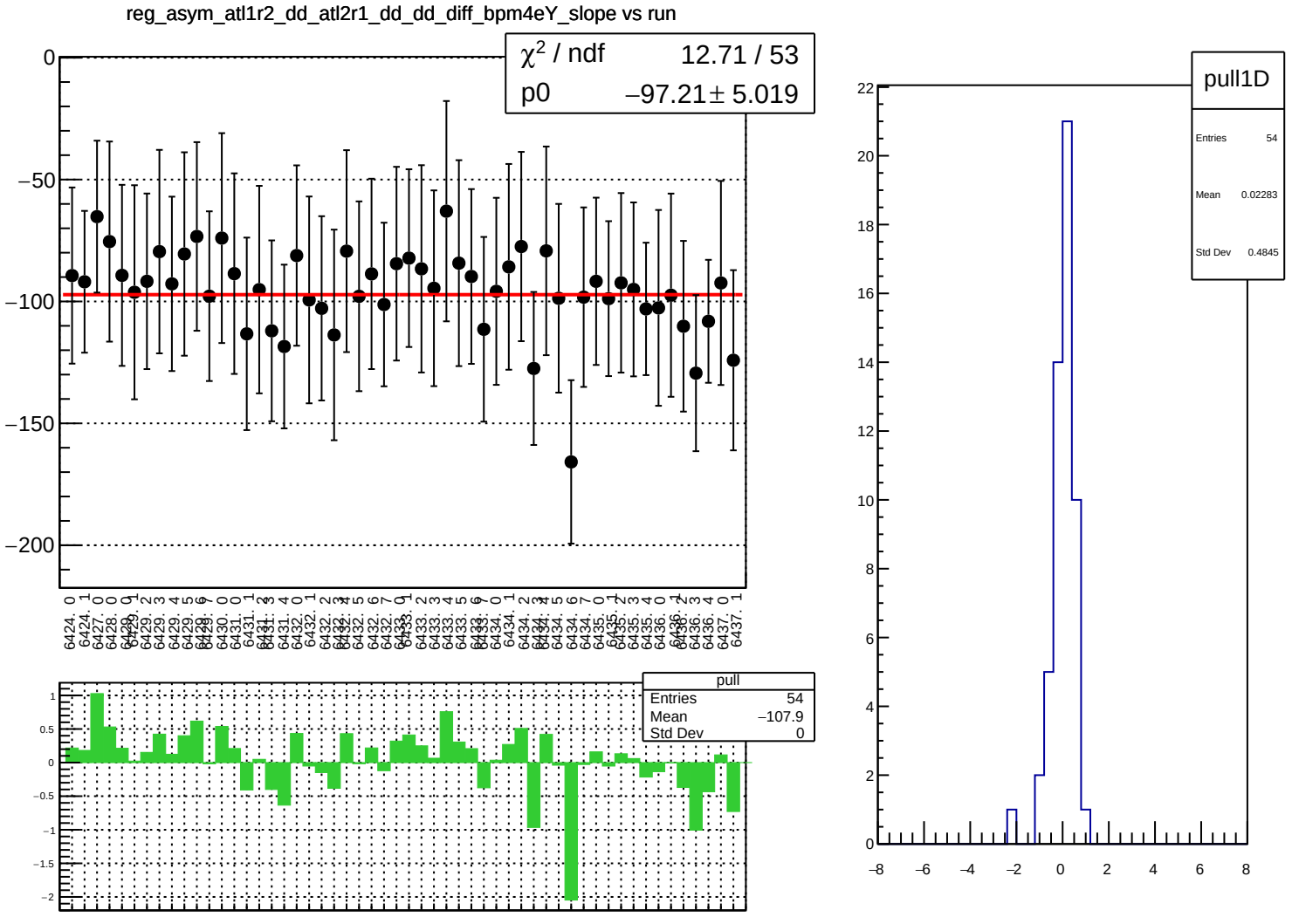

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 25.58 / 53
p0 125.9 ± 0.1991
pull
Entries 54
Mean −309.4
Std Dev 0
pull1D
Entries 54
Mean 0.0164
Std Dev 0.688

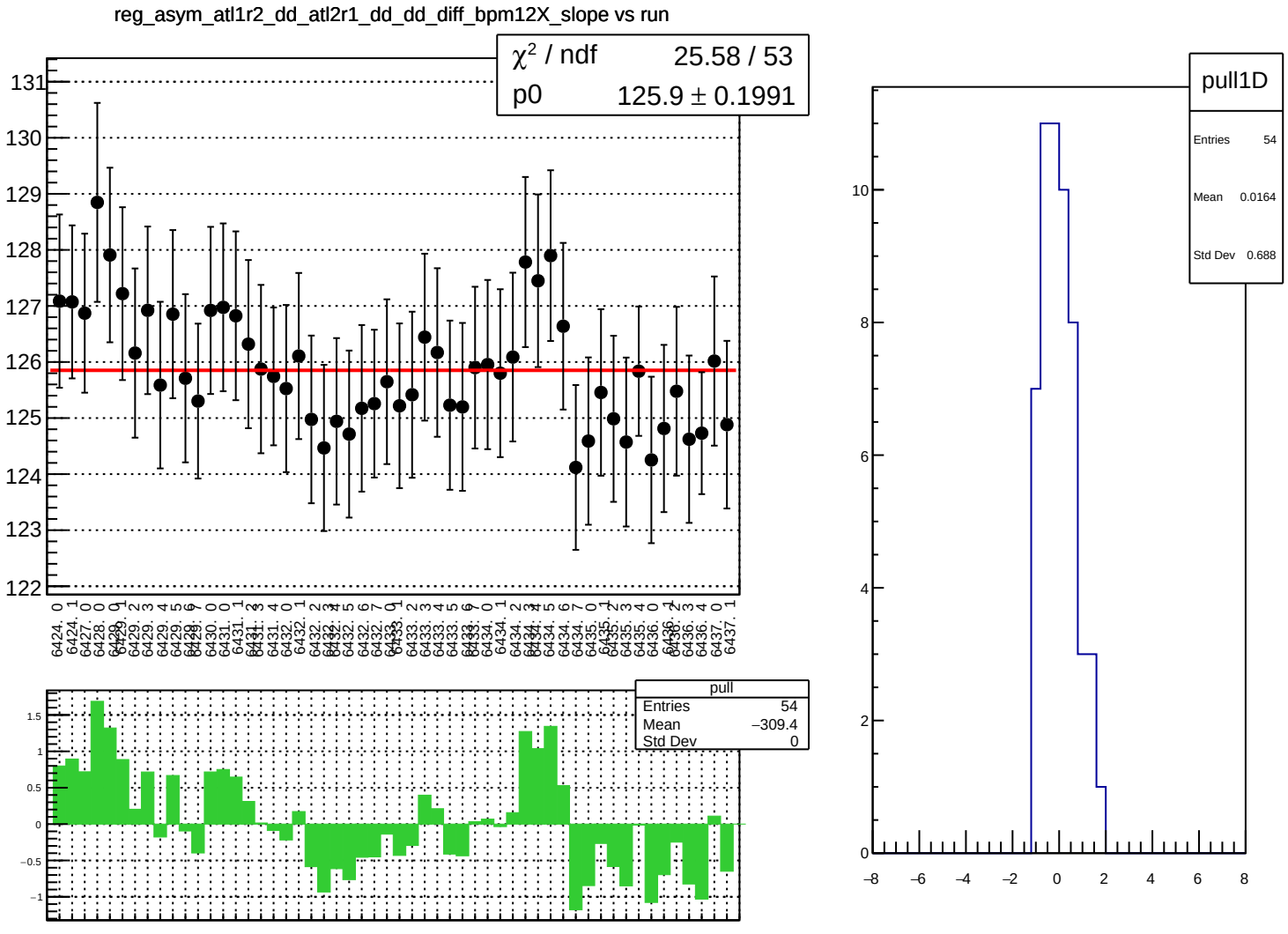

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 18.21 / 53
p0 213.3 ± 4.877
pull
Entries 54
Mean 102.3
Std Dev 0

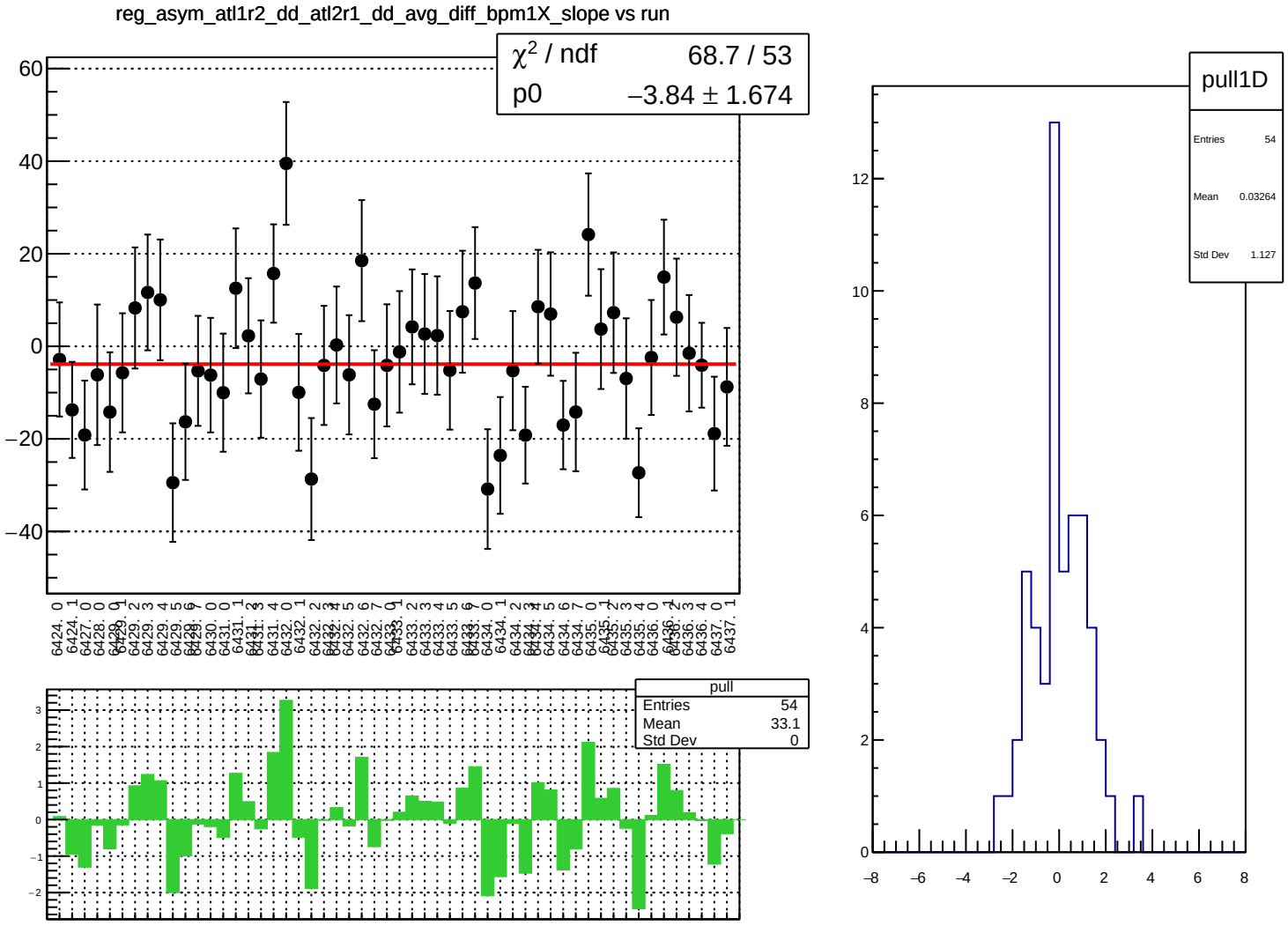

pull1D
Entries 54
Mean 0.02482
Std Dev 0.5801

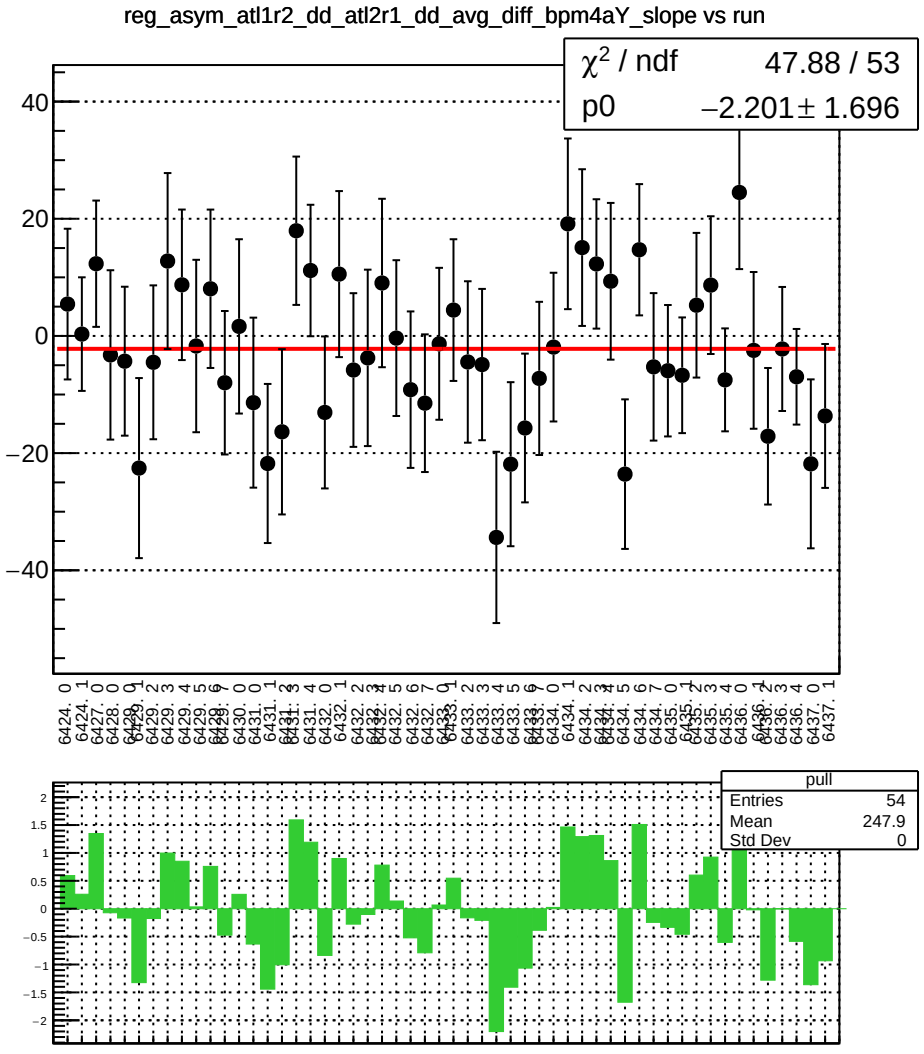

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 53
p0 0.342 ± 4.925
pull
Entries 54
Mean −52.96
Std Dev 0
pull1D
Entries 54
Mean −0.02581
Std Dev 0.4476

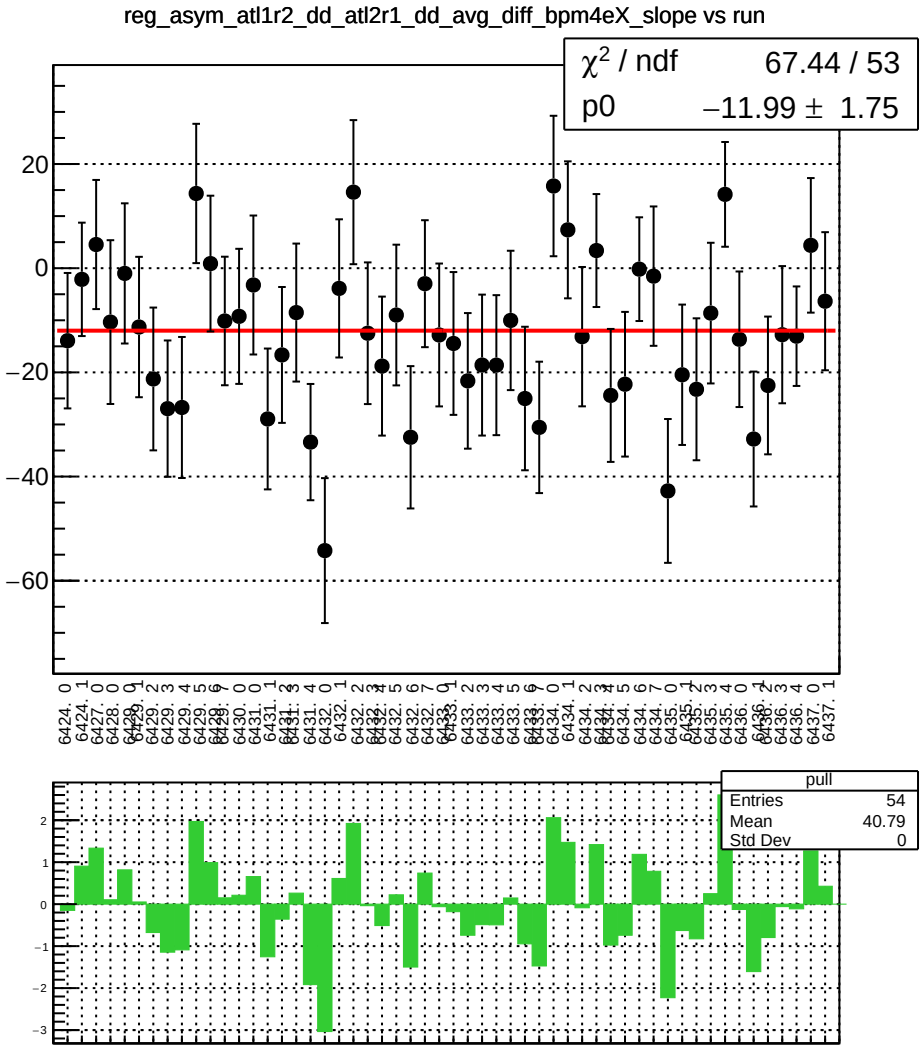

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.69 / 53
p0 −246.2 ± 5.097
pull
Entries 54
Mean 111.7
Std Dev 0
pull1D
Entries 54
Mean −0.02431
Std Dev 0.5718

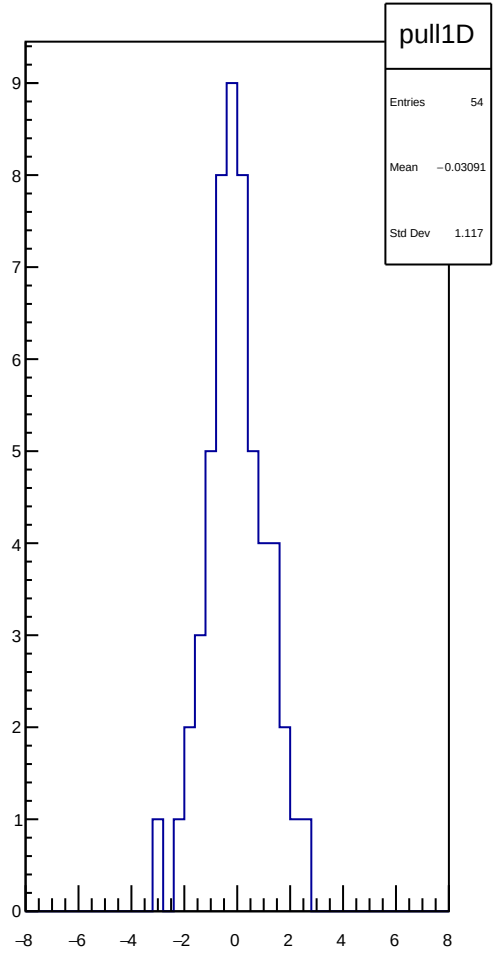

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.71 / 53
p0 −97.21 ± 5.019
0
−50
−100
−150
−200
pull
Entries 54
Mean −107.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean 0.02283
Std Dev 0.4845
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

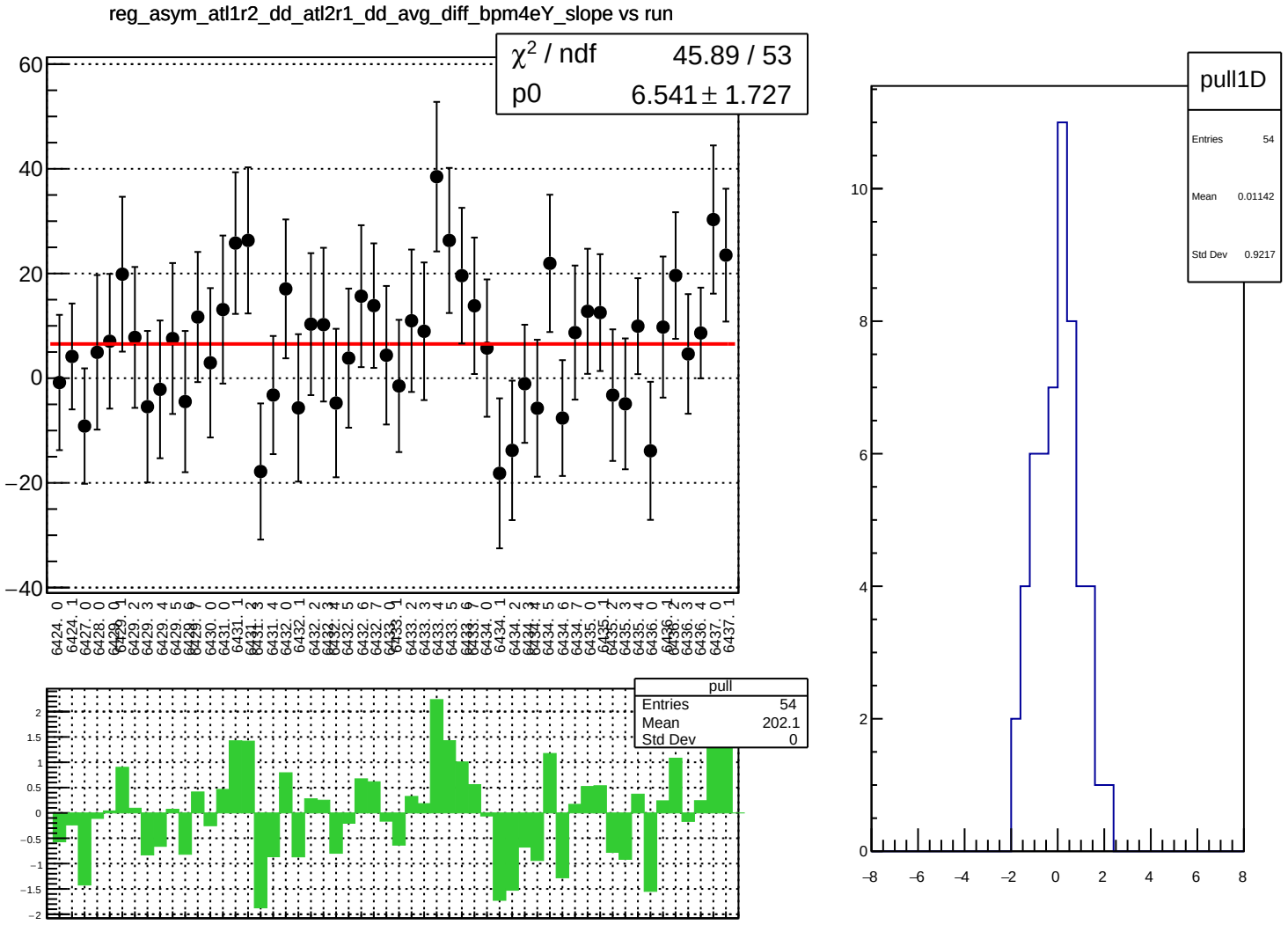

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 25.58 / 53
p0 125.9 ± 0.1991
pull
Entries 54
Mean −309.4
Std Dev 0
pull1D
Entries 54
Mean 0.0164
Std Dev 0.688

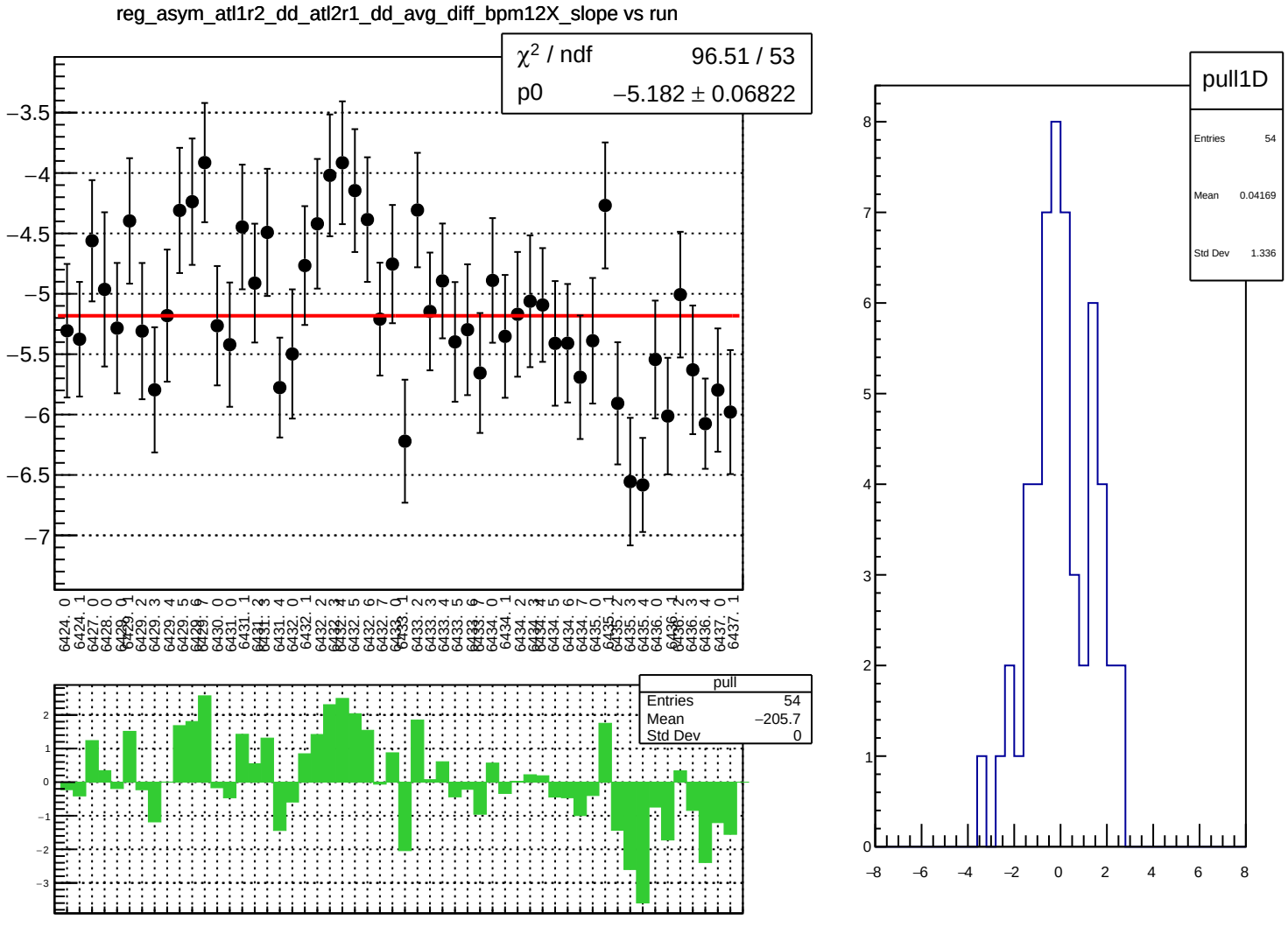

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 68.7 / 53
p0 −3.84 ± 1.674
pull
Entries 54
Mean 33.1
Std Dev 0
pull1D
Entries 54
Mean 0.03264
Std Dev 1.127

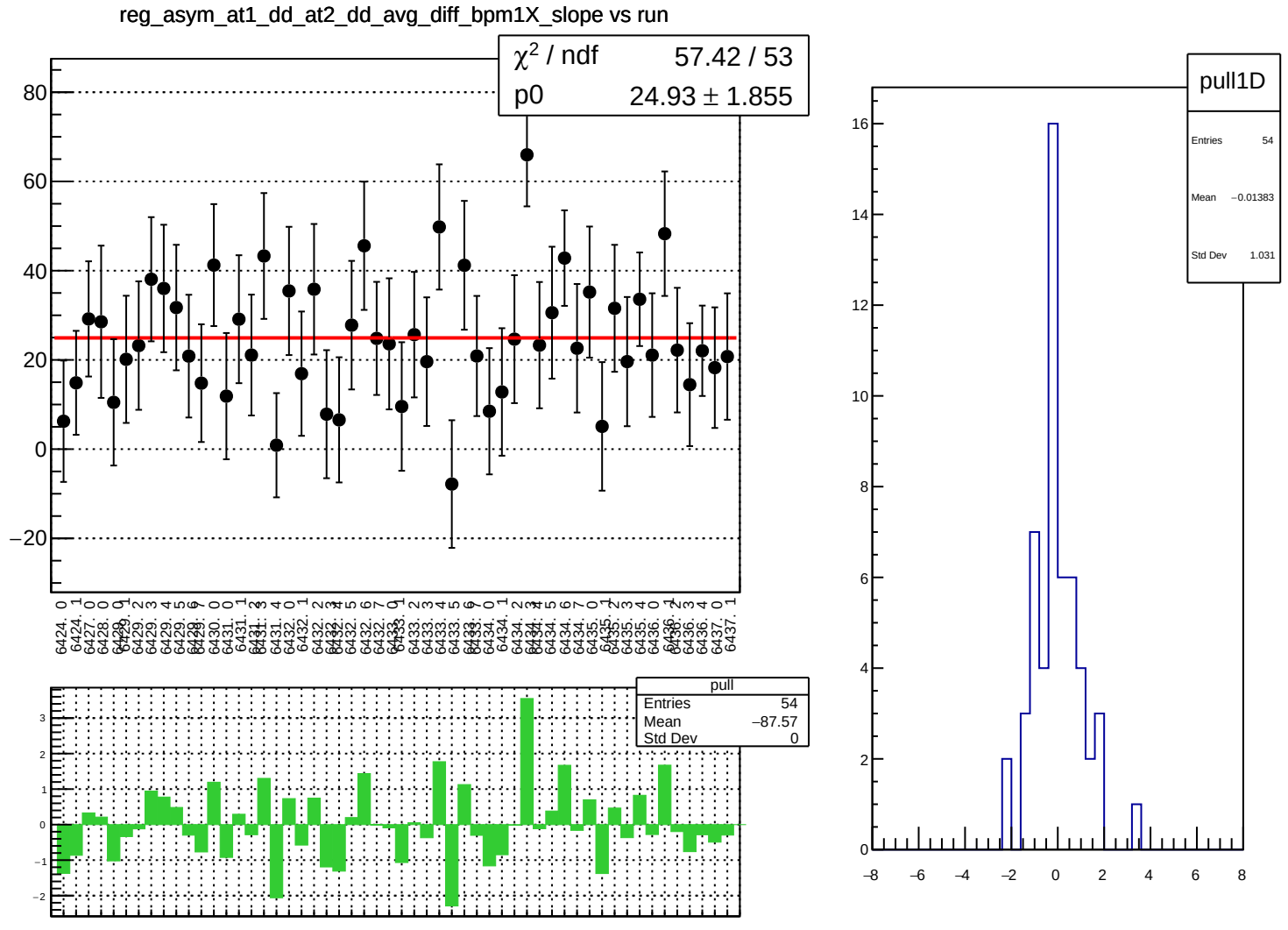

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.88 / 53
p0 −2.201± 1.696
pull
Entries 54
Mean 247.9
Std Dev 0
pull1D
Entries 54
Mean −0.007354
Std Dev 0.9416

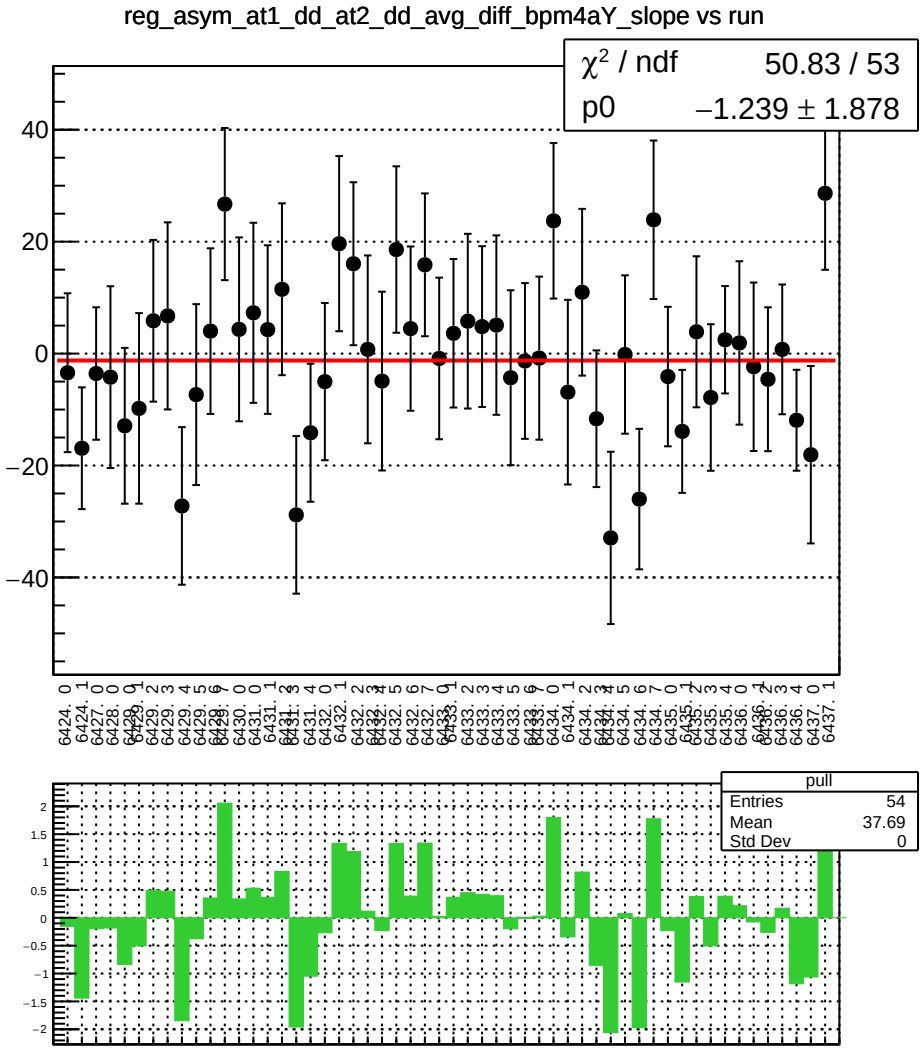

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.44 / 53
p0 −11.99 ± 1.75
pull
Entries 54
Mean 40.79
Std Dev 0

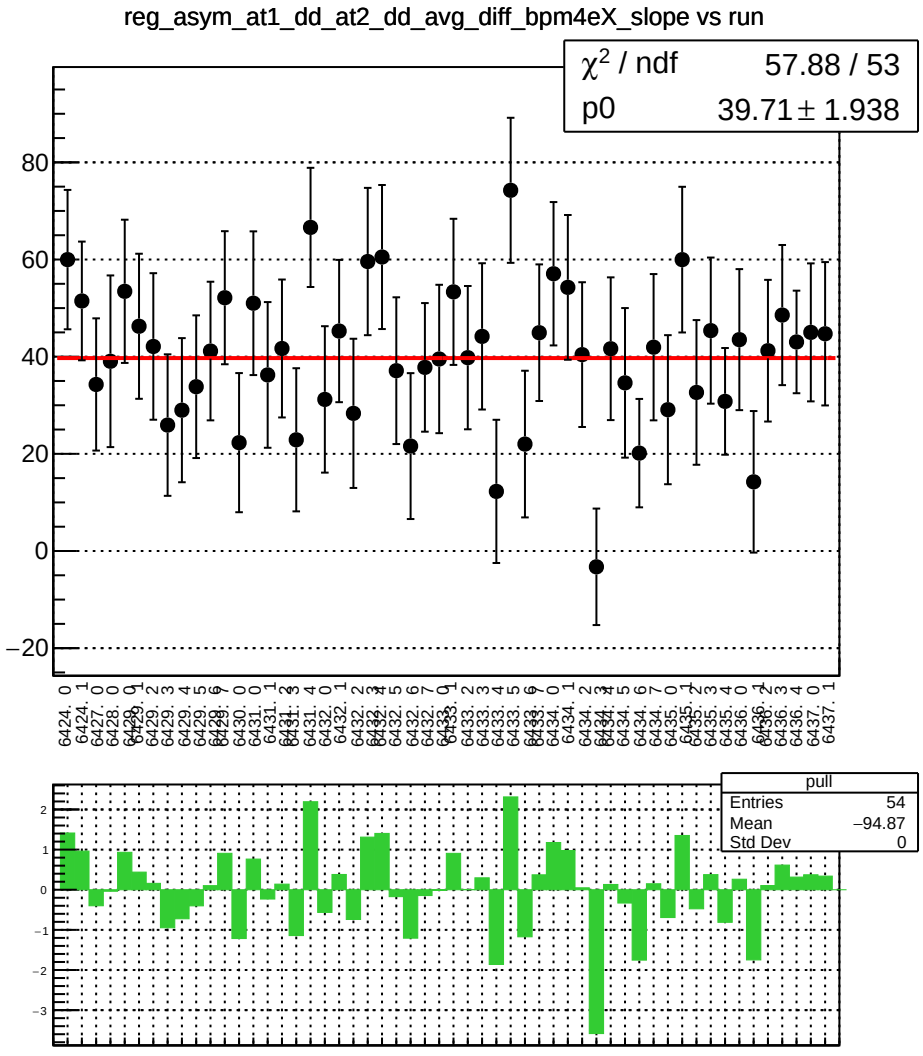

pull1D
Entries 54
Mean −0.03091
Std Dev 1.117

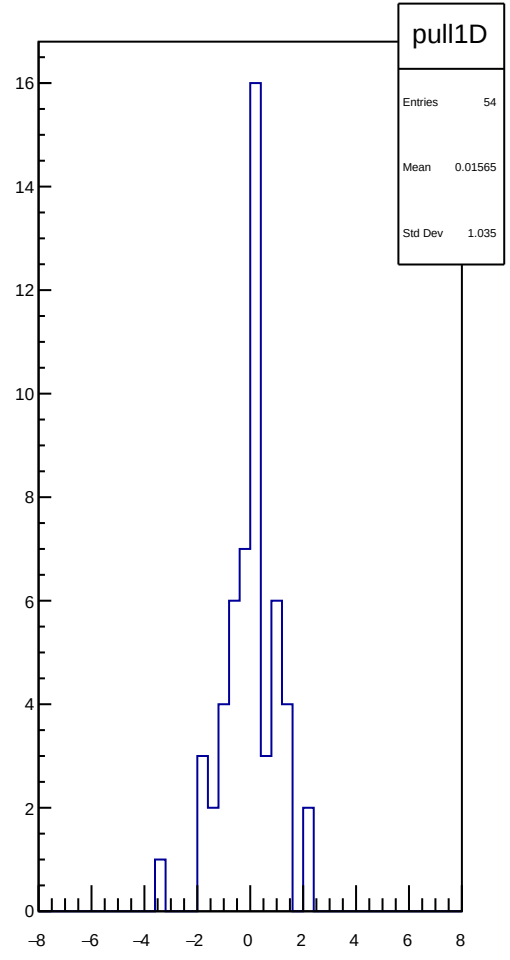

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.89 / 53
p0 6.541 ± 1.727
pull
Entries 54
Mean 202.1
Std Dev 0
pull1D
Entries 54
Mean 0.01142
Std Dev 0.9217

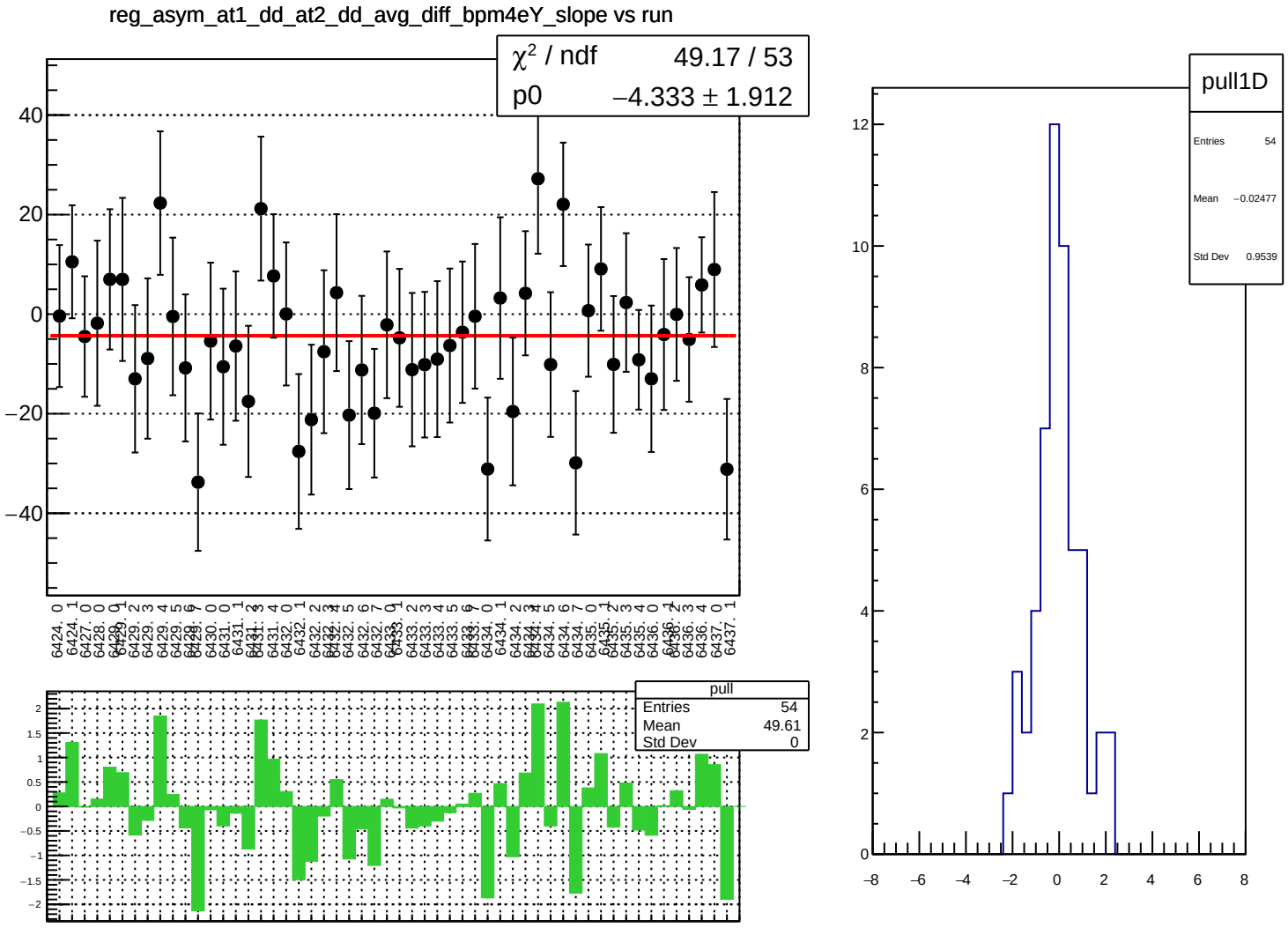

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 96.51 / 53
p0 −5.182 ± 0.06822
pull
Entries 54
Mean −205.7
Std Dev 0
pull1D
Entries 54
Mean 0.04169
Std Dev 1.336

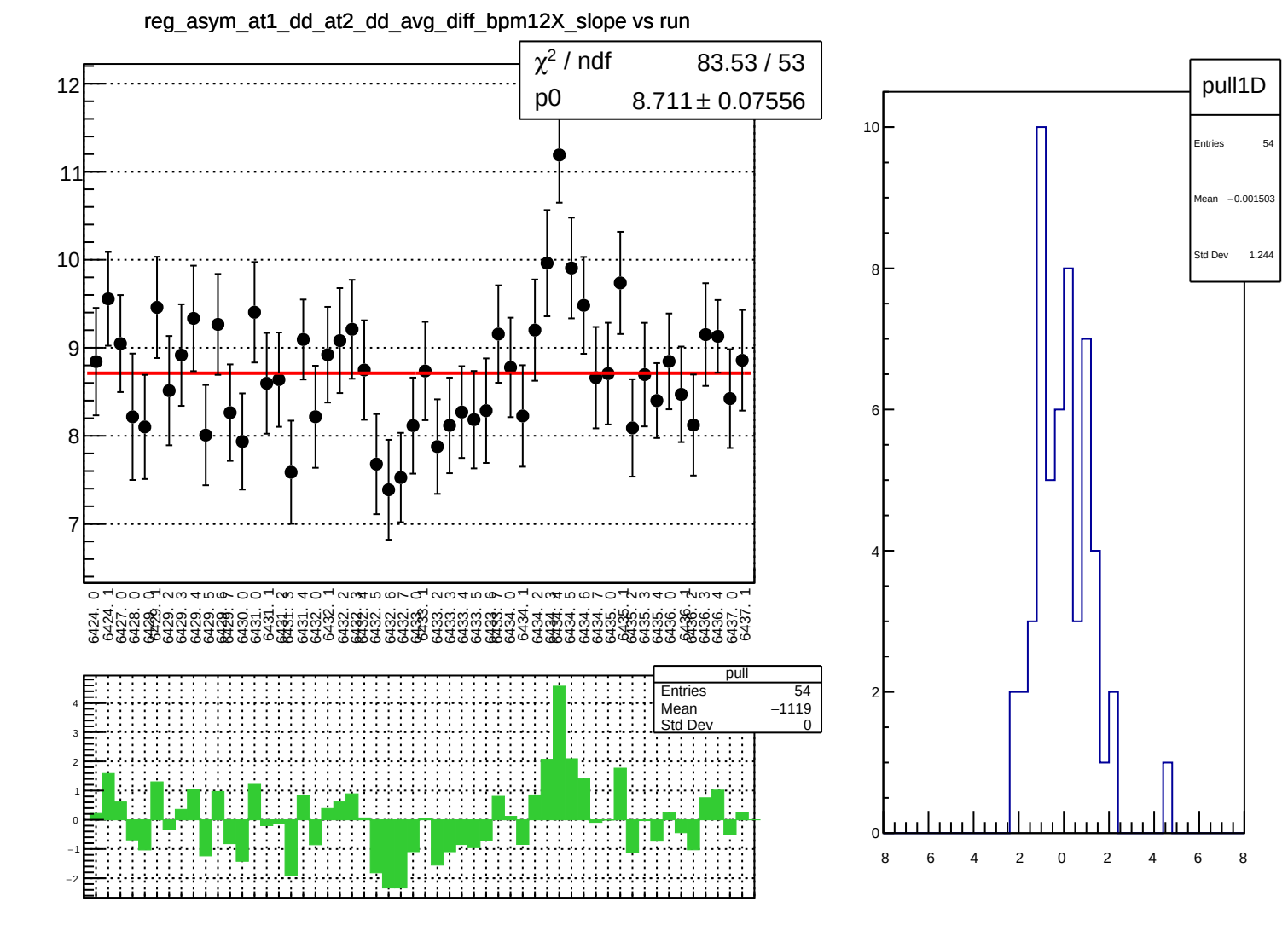

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 57.42 / 53
p0 24.93 ± 1.855
pull
Entries 54
Mean −87.57
Std Dev 0
pull1D
Entries 54
Mean −0.01383
Std Dev 1.031

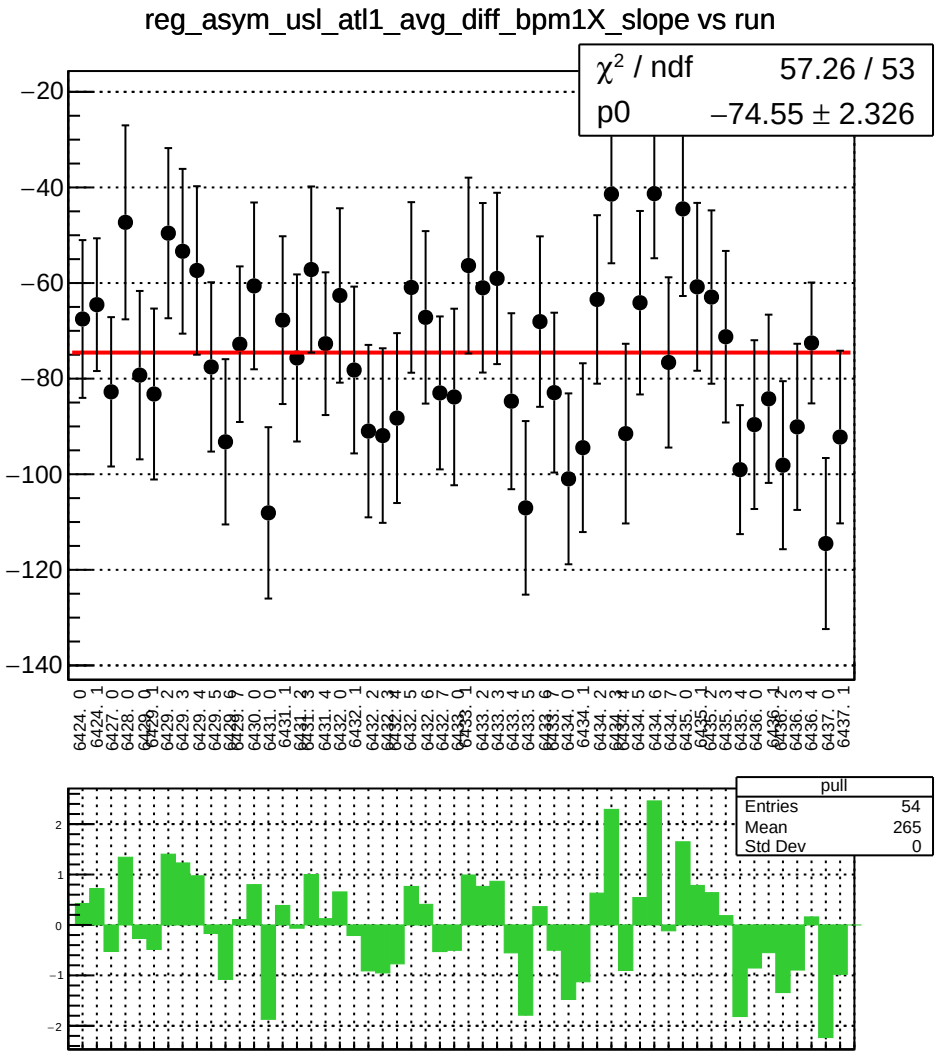

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.83 / 53
p0 −1.239 ± 1.878
pull
Entries 54
Mean 37.69
Std Dev 0
pull1D
Entries 54
Mean 0.03168
Std Dev 0.9697

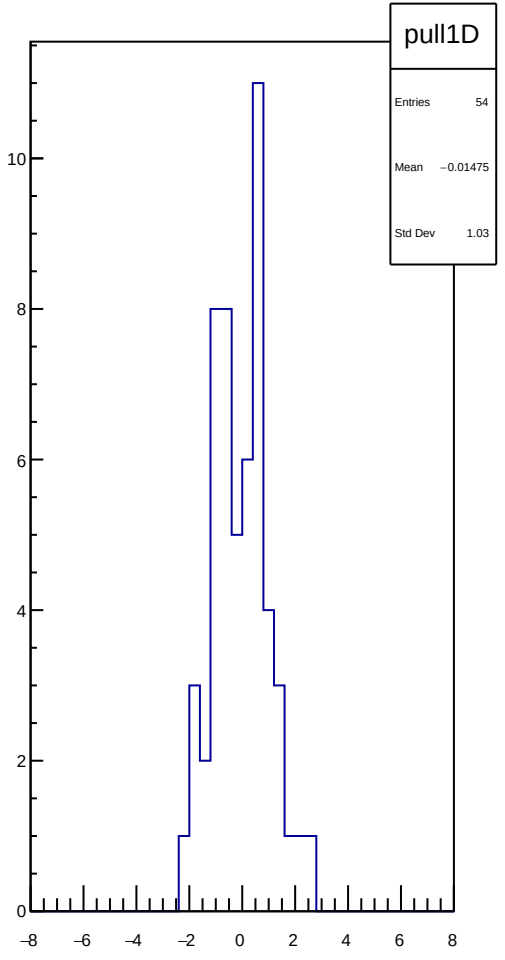

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.88 / 53
p0 39.71 ± 1.938
pull
Entries 54
Mean −94.87
Std Dev 0

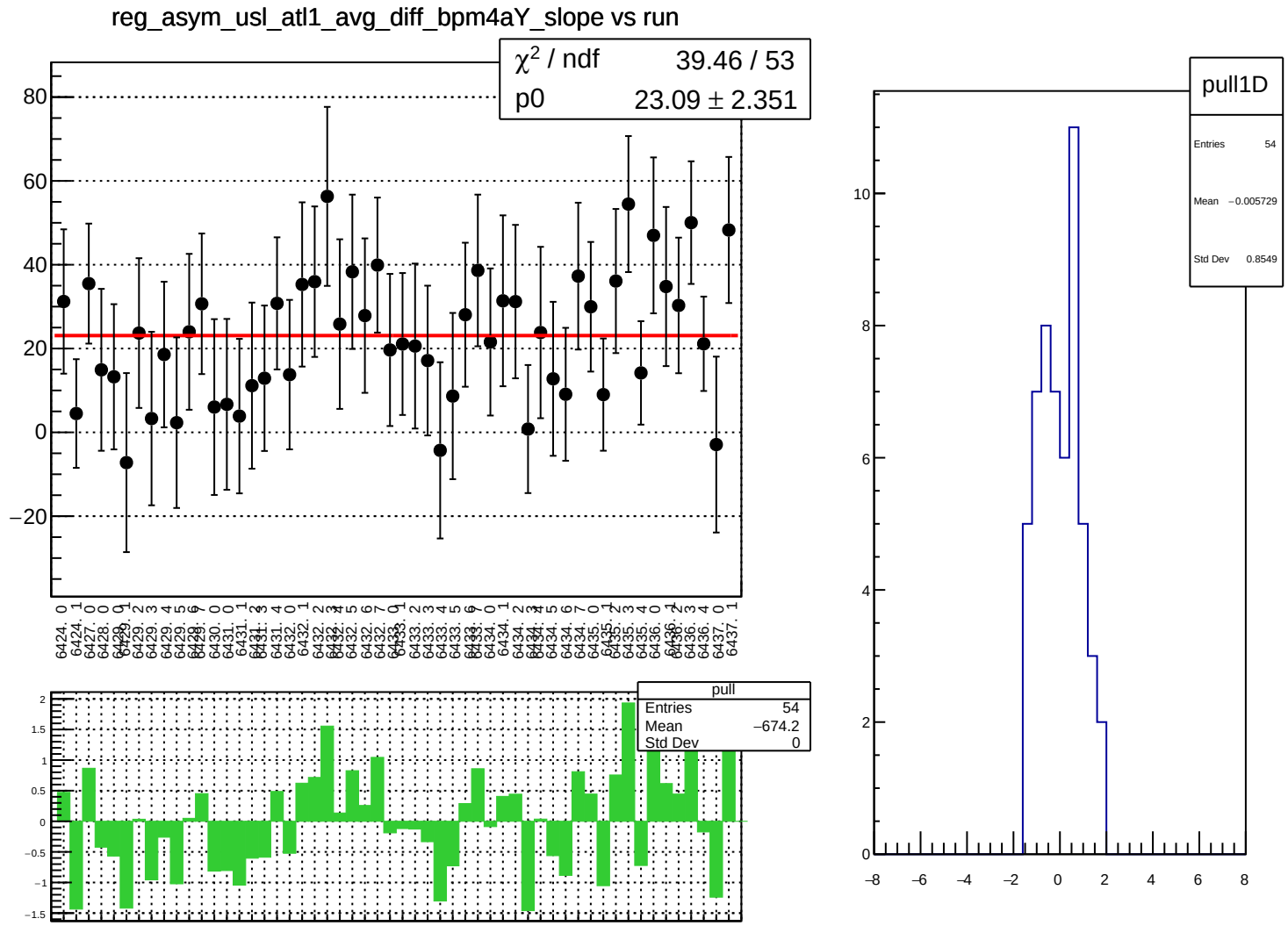

pull1D
Entries 54
Mean 0.01565
Std Dev 1.035

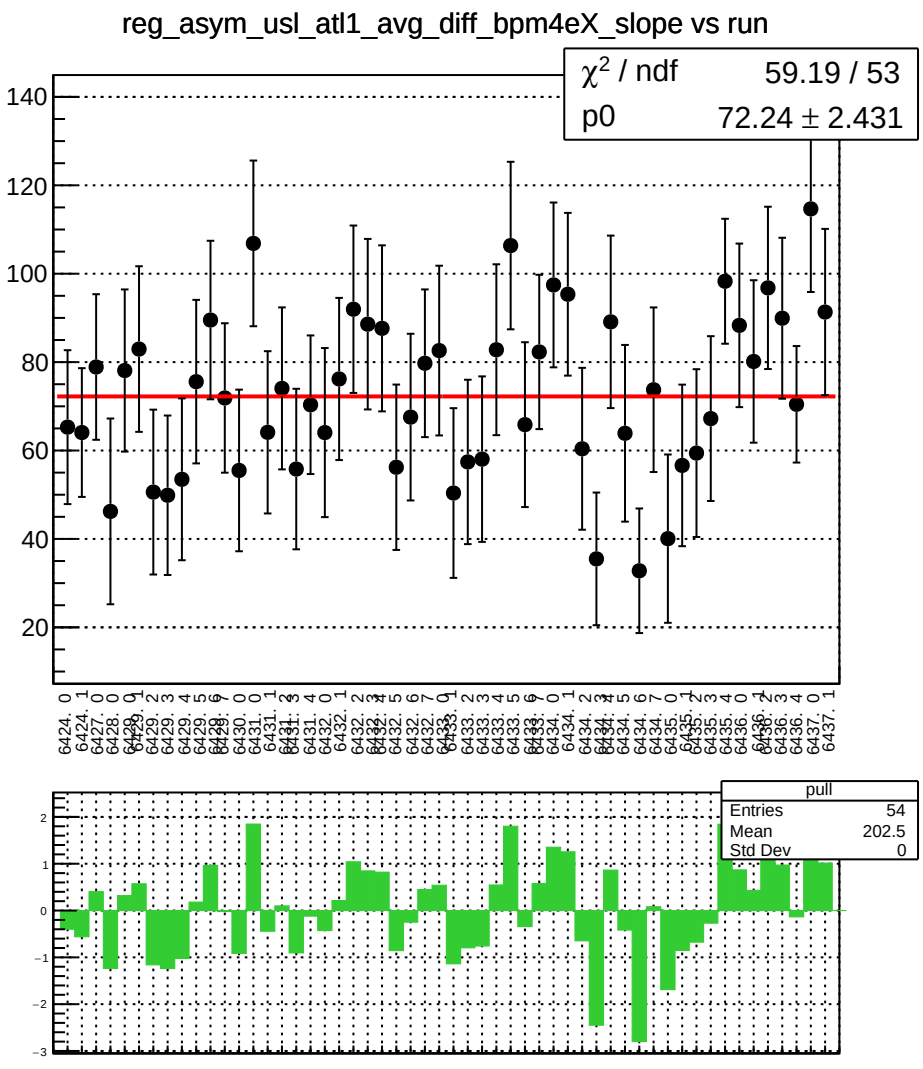

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.17 / 53
p0 −4.333 ± 1.912
pull
Entries 54
Mean 49.61
Std Dev 0
pull1D
Entries 54
Mean −0.02477
Std Dev 0.9539

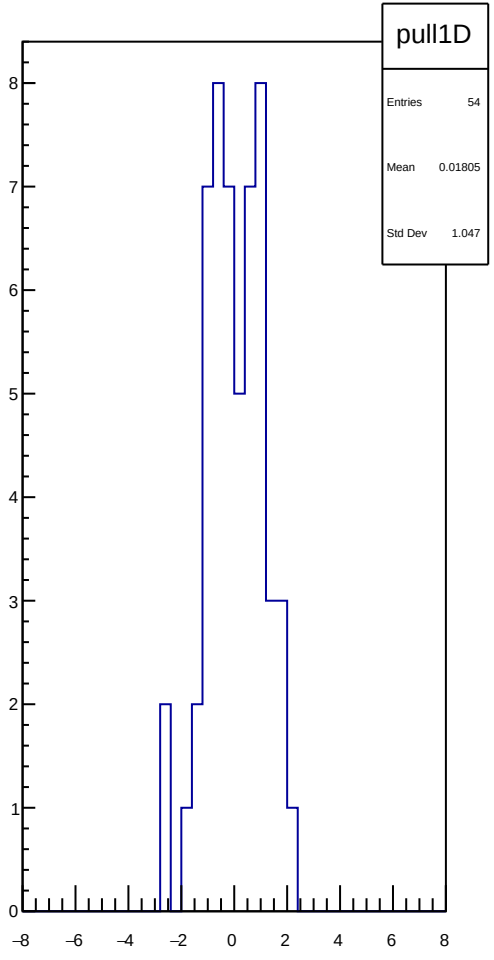

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 83.53 / 53
p0 8.711 ± 0.07556
pull
Entries 54
Mean −1119
Std Dev 0
pull1D
Entries 54
Mean −0.001503
Std Dev 1.244

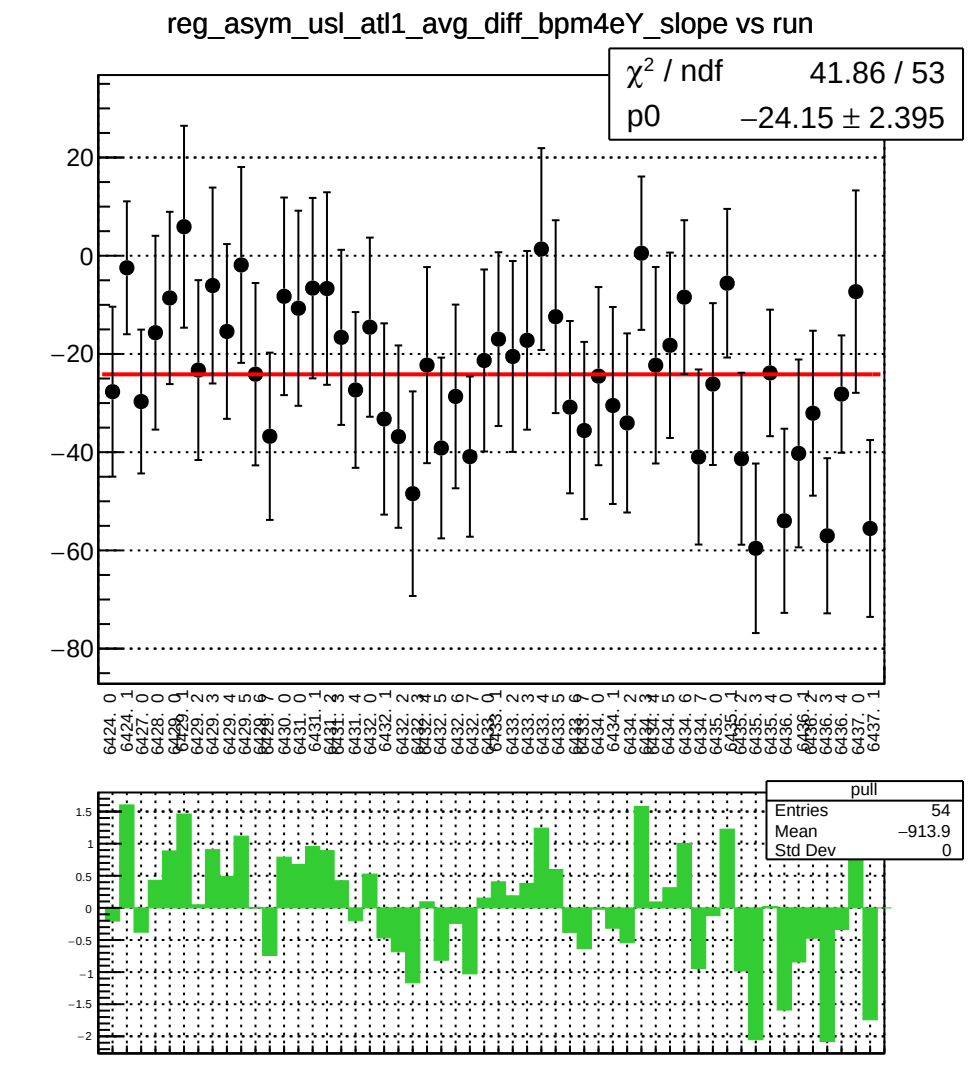

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 57.26 / 53
p0 −74.55 ± 2.326
pull
Entries 54
Mean 265
Std Dev 0

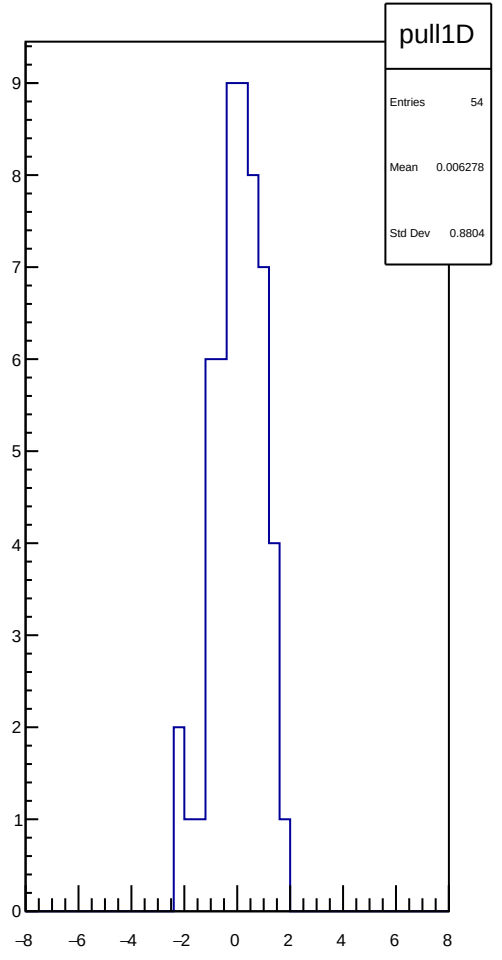

pull1D
Entries 54
Mean −0.01475
Std Dev 1.03

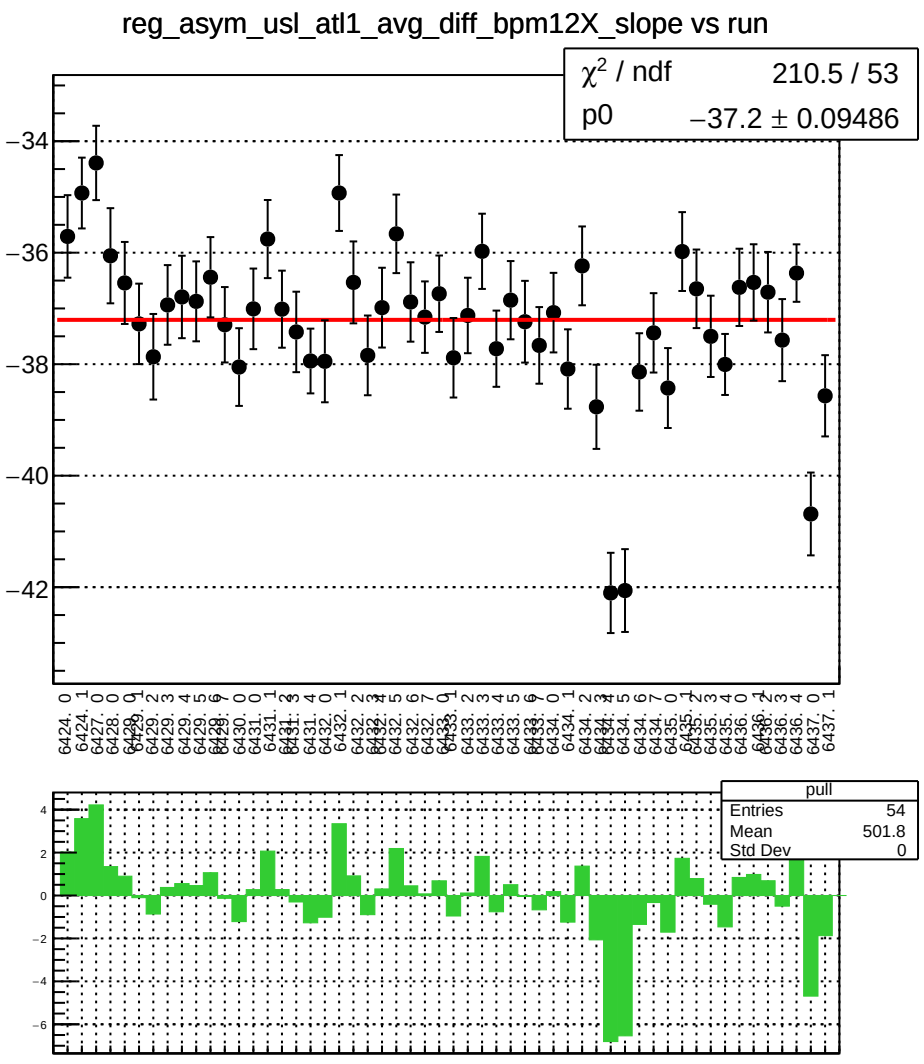

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.46 / 53
p0 23.09 ± 2.351
pull
Entries 54
Mean −674.2
Std Dev 0
pull1D
Entries 54
Mean −0.005729
Std Dev 0.8549

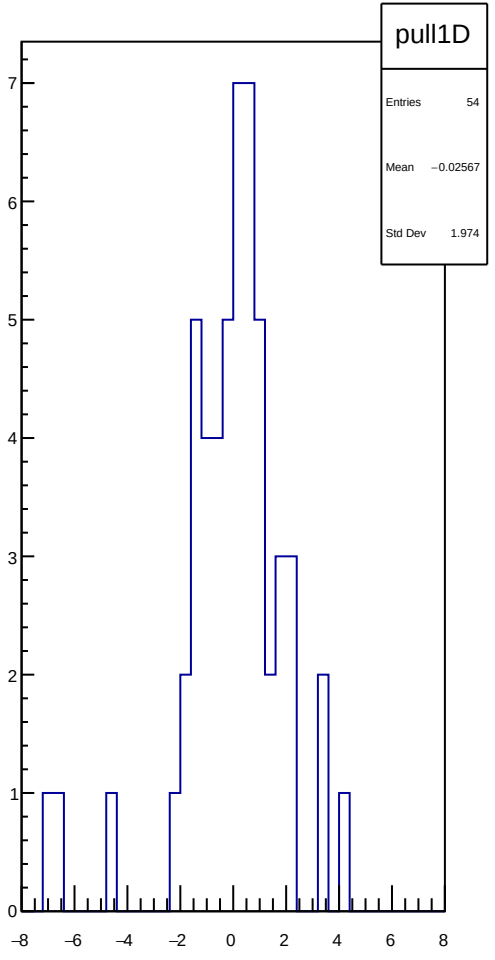

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.19 / 53
p0 72.24 ± 2.431
pull
Entries 54
Mean 202.5
Std Dev 0

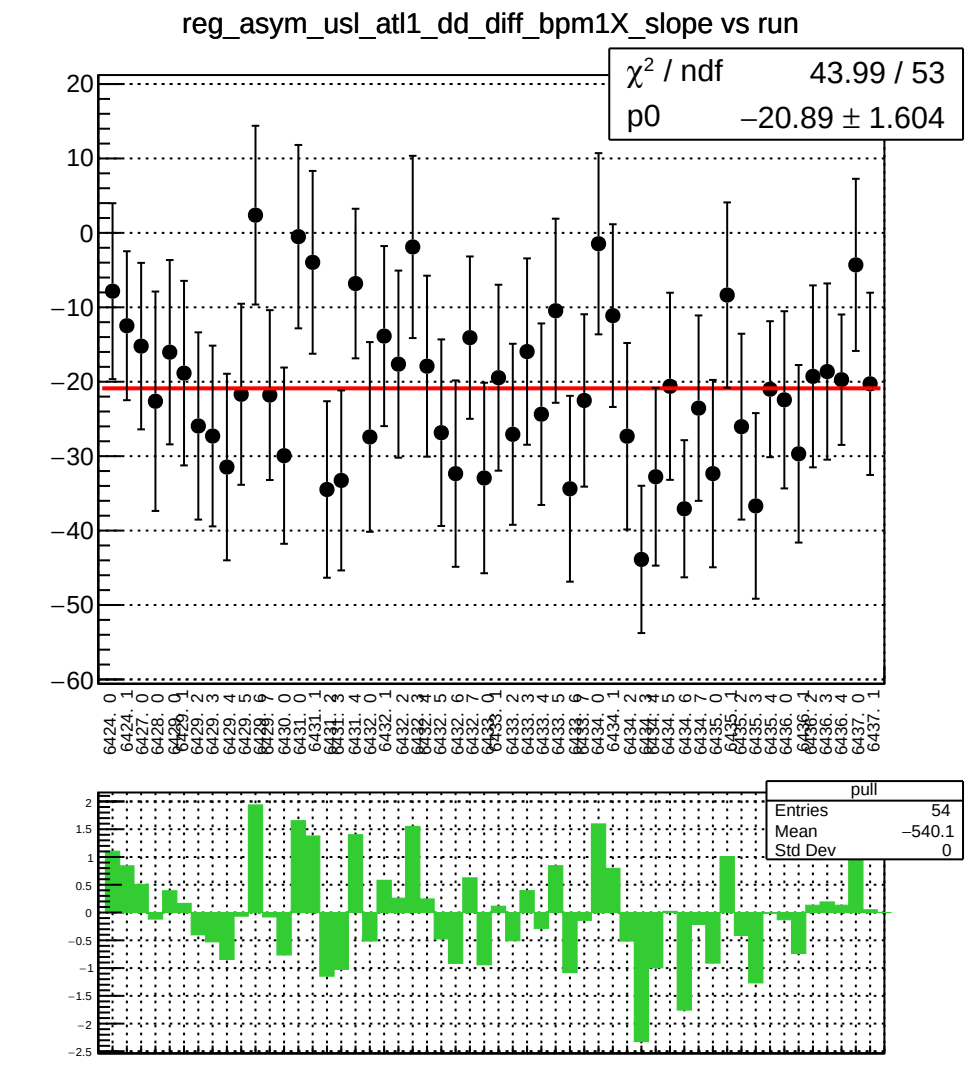

pull1D
Entries 54
Mean 0.01805
Std Dev 1.047

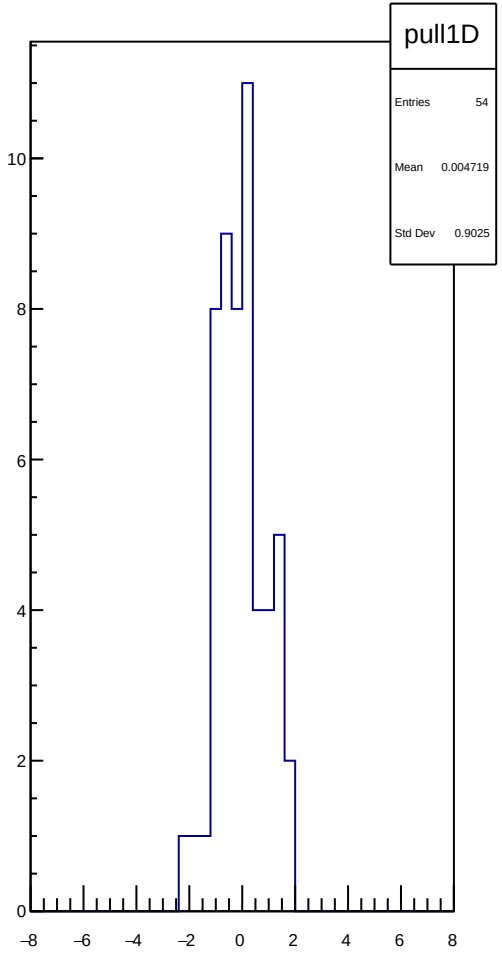

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.86 / 53
p0 −24.15 ± 2.395
pull
Entries 54
Mean −913.9
Std Dev 0

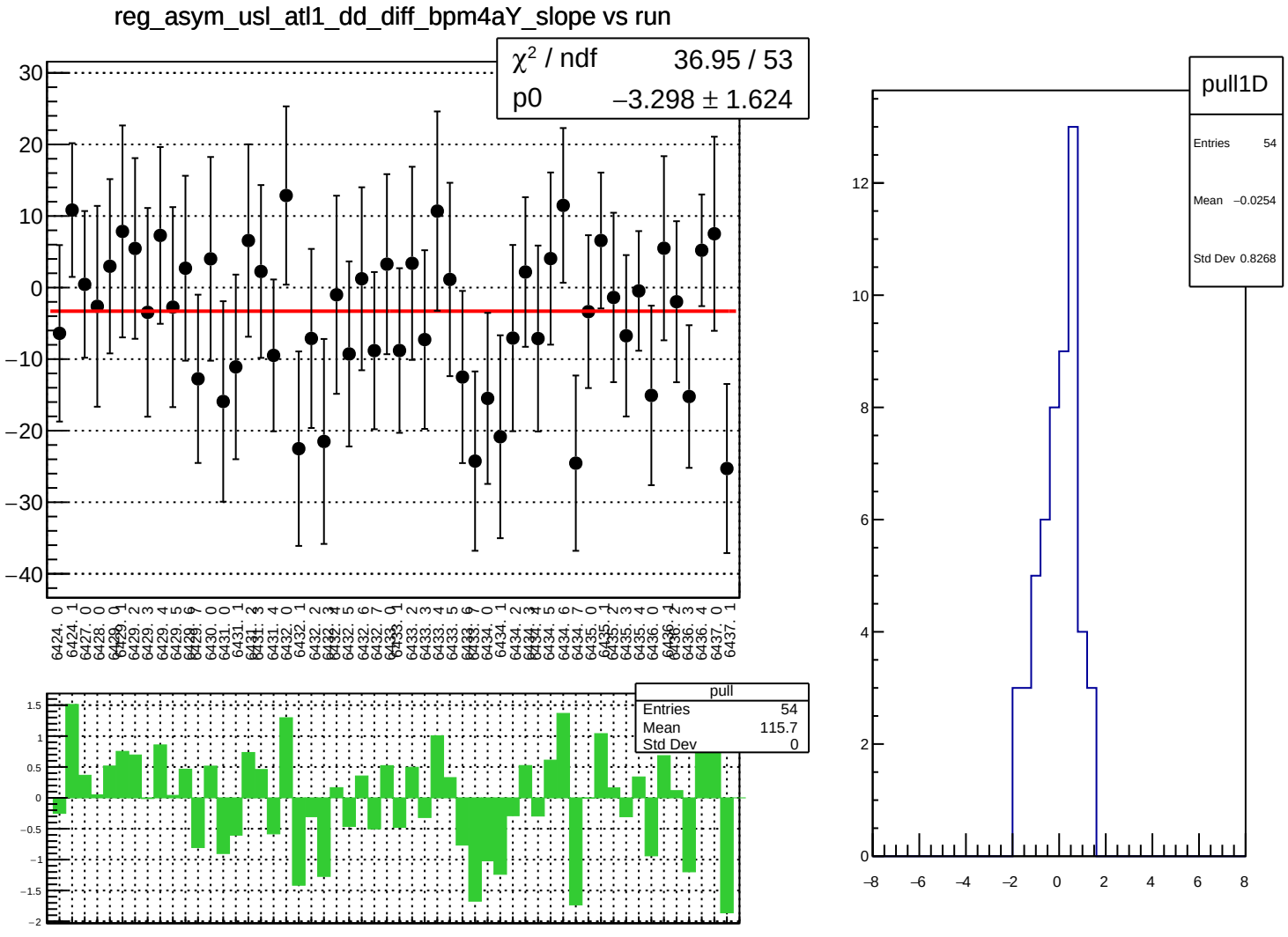

pull1D
Entries 54
Mean 0.006278
Std Dev 0.8804

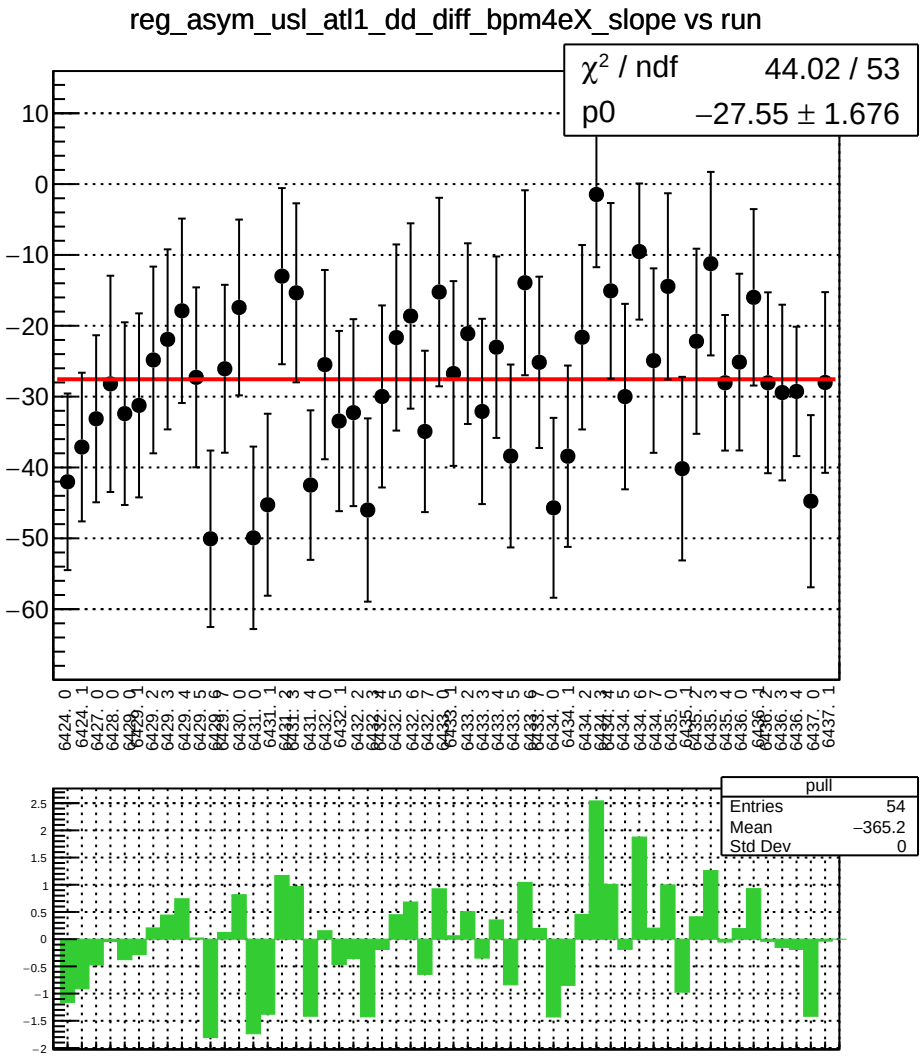

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 210.5 / 53
p0 −37.2 ± 0.09486
pull
Entries 54
Mean 501.8
Std Dev 0

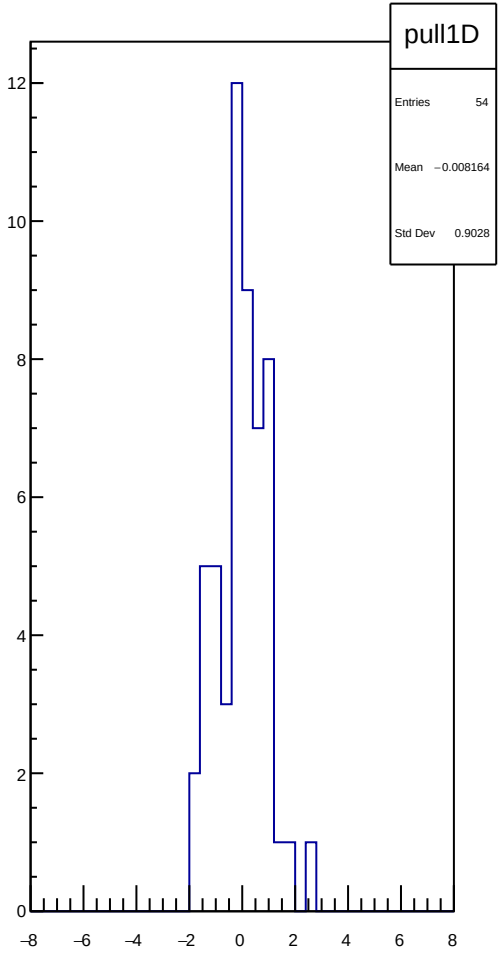

pull1D
Entries 54
Mean −0.02567
Std Dev 1.974

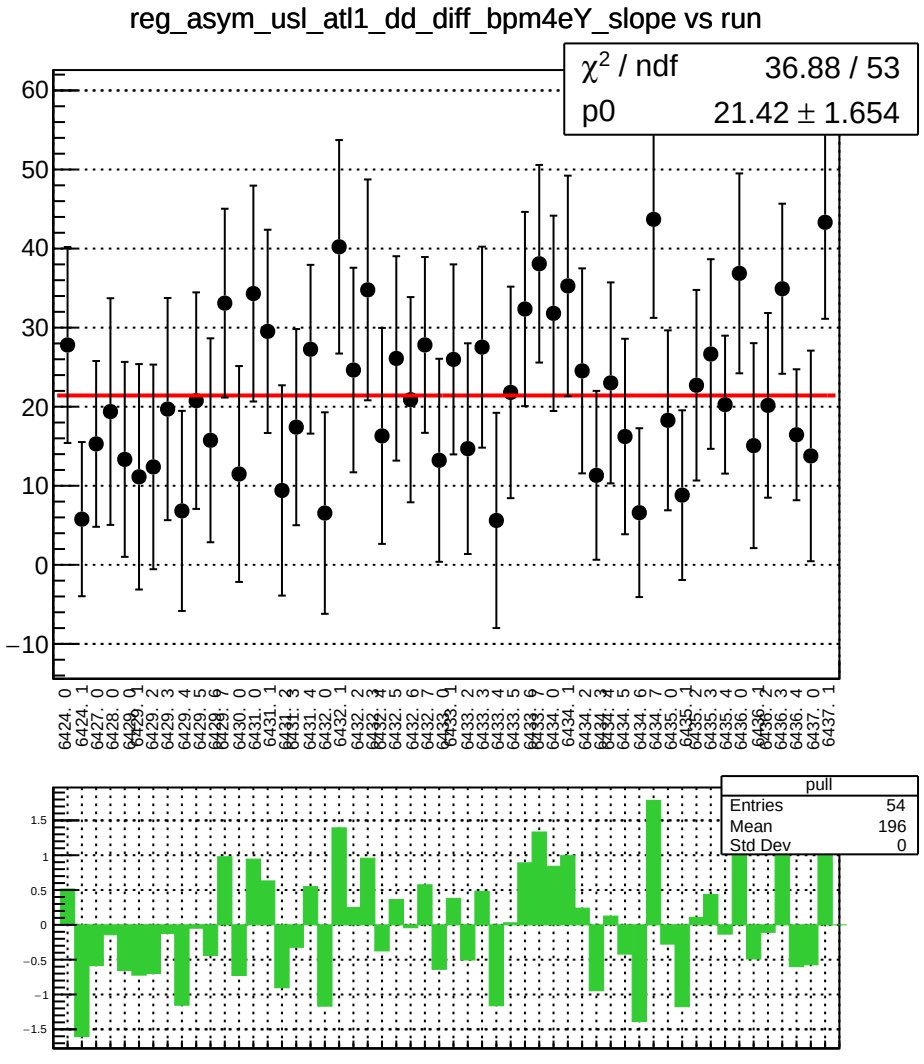

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 43.99 / 53
p0 −20.89 ± 1.604
pull
Entries 54
Mean −540.1
Std Dev 0

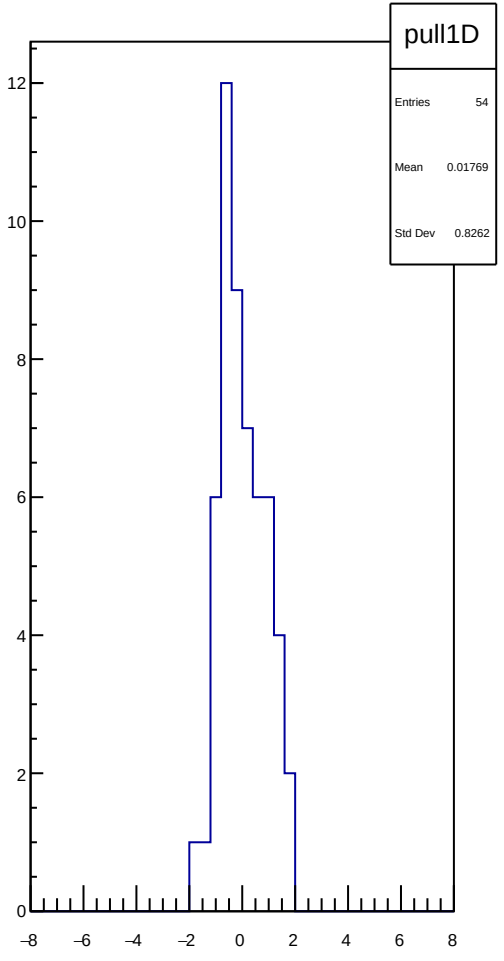

pull1D
Entries 54
Mean 0.004719
Std Dev 0.9025

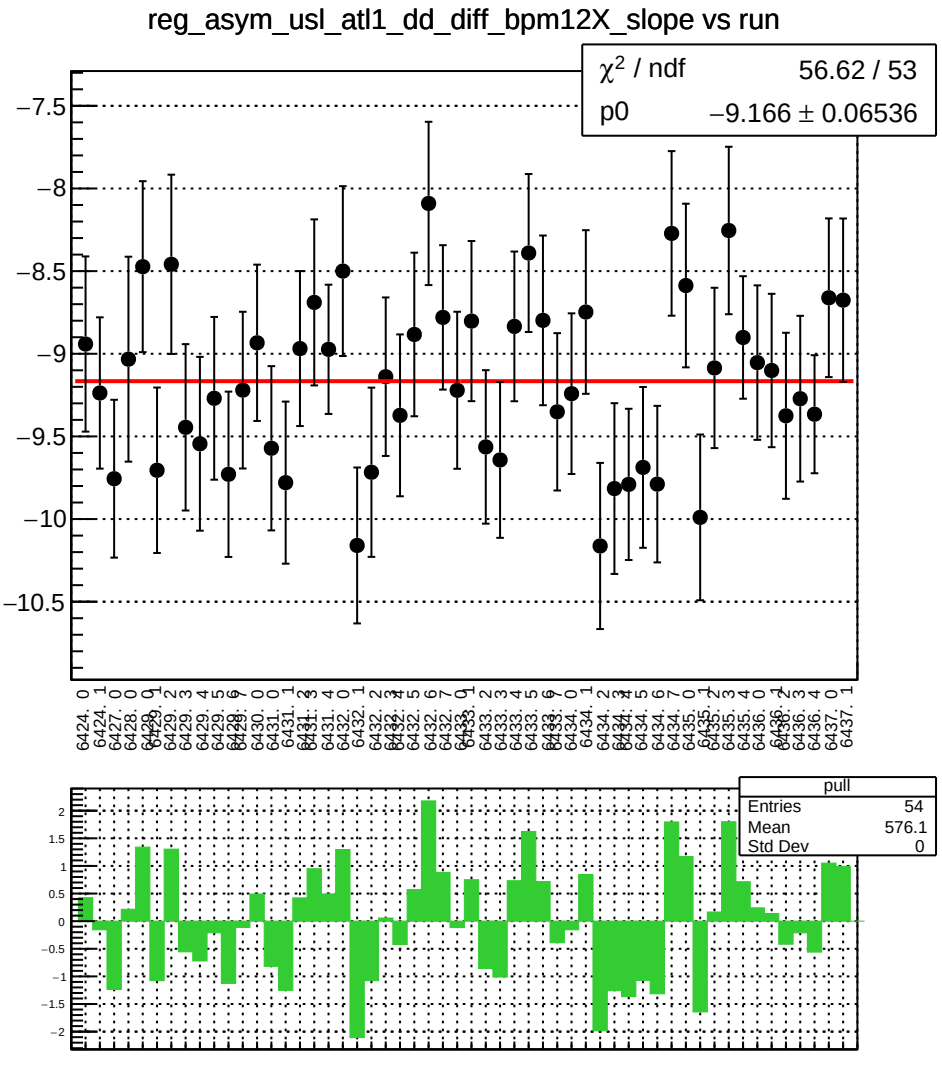

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.95 / 53
p0 −3.298 ± 1.624
pull
Entries 54
Mean 115.7
Std Dev 0
pull1D
Entries 54
Mean −0.0254
Std Dev 0.8268

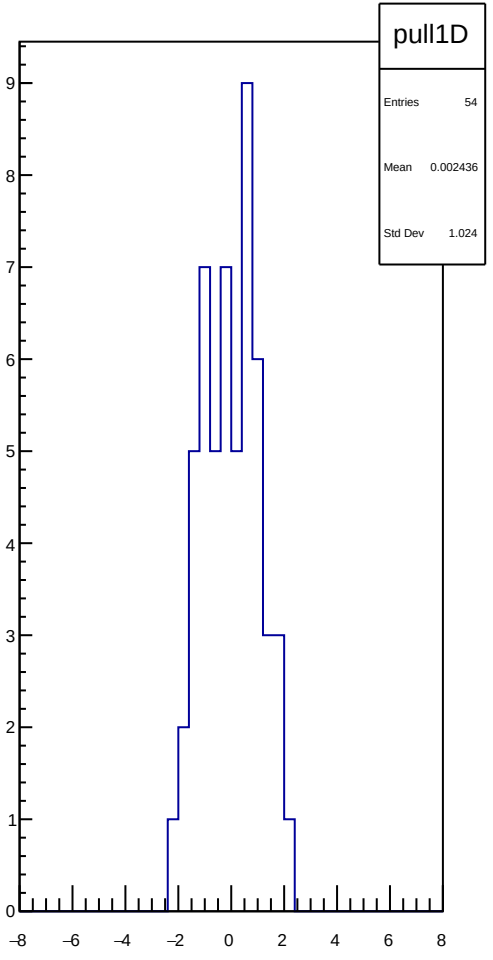

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.02 / 53
p0 −27.55 ± 1.676
pull
Entries 54
Mean −365.2
Std Dev 0

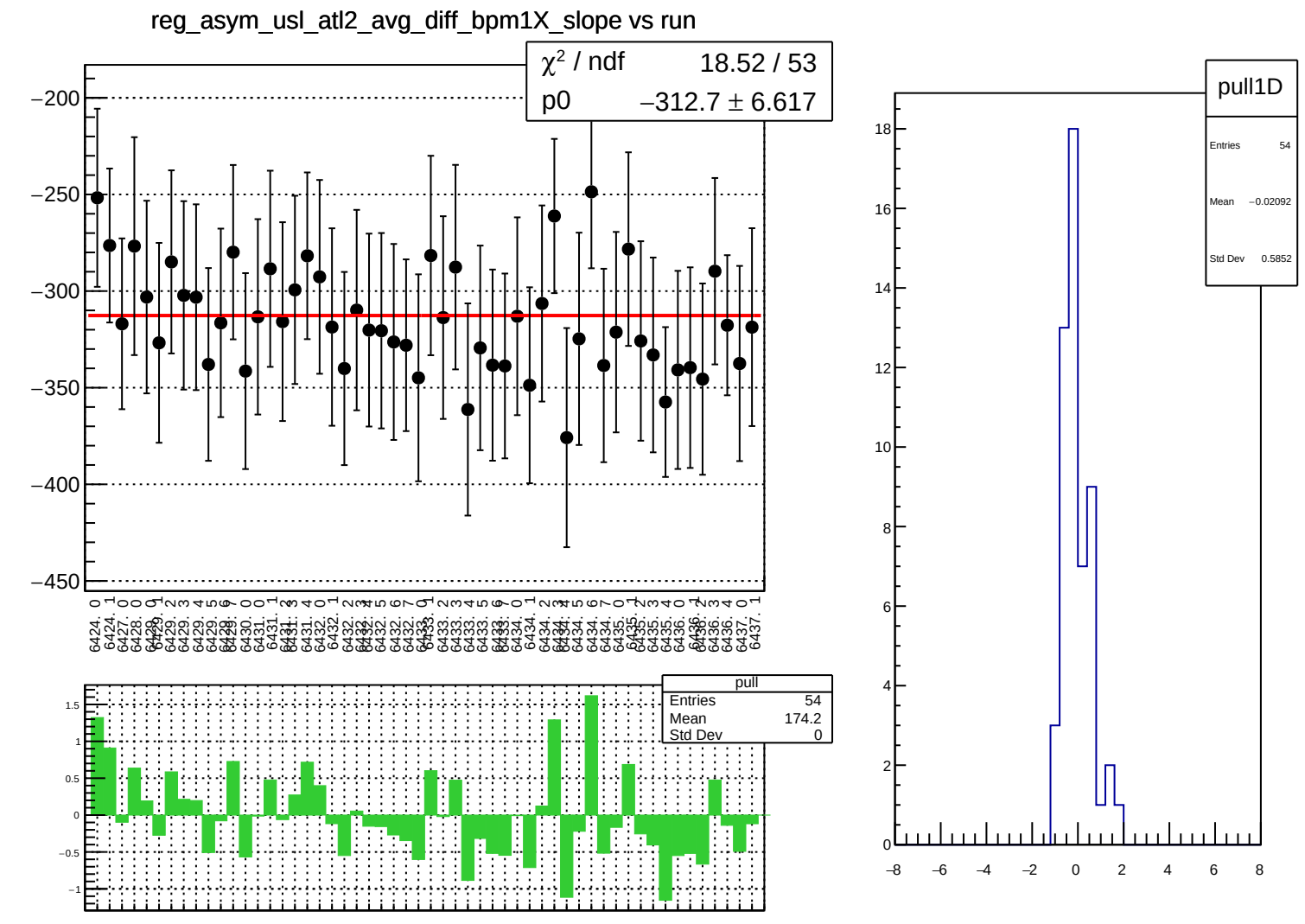

pull1D
Entries 54
Mean −0.008164
Std Dev 0.9028

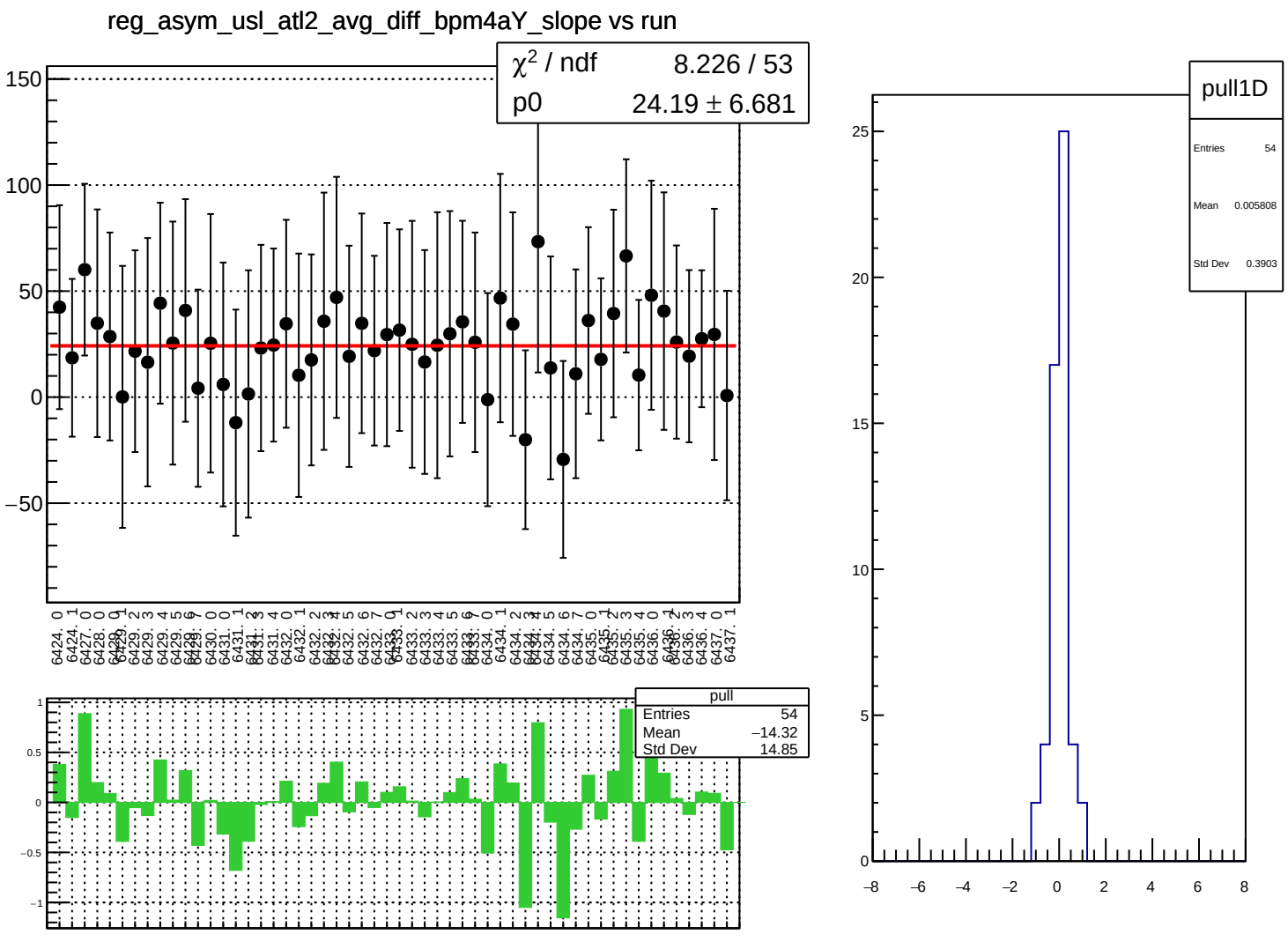

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.88 / 53
p0 21.42 ± 1.654
pull
Entries 54
Mean 196
Std Dev 0

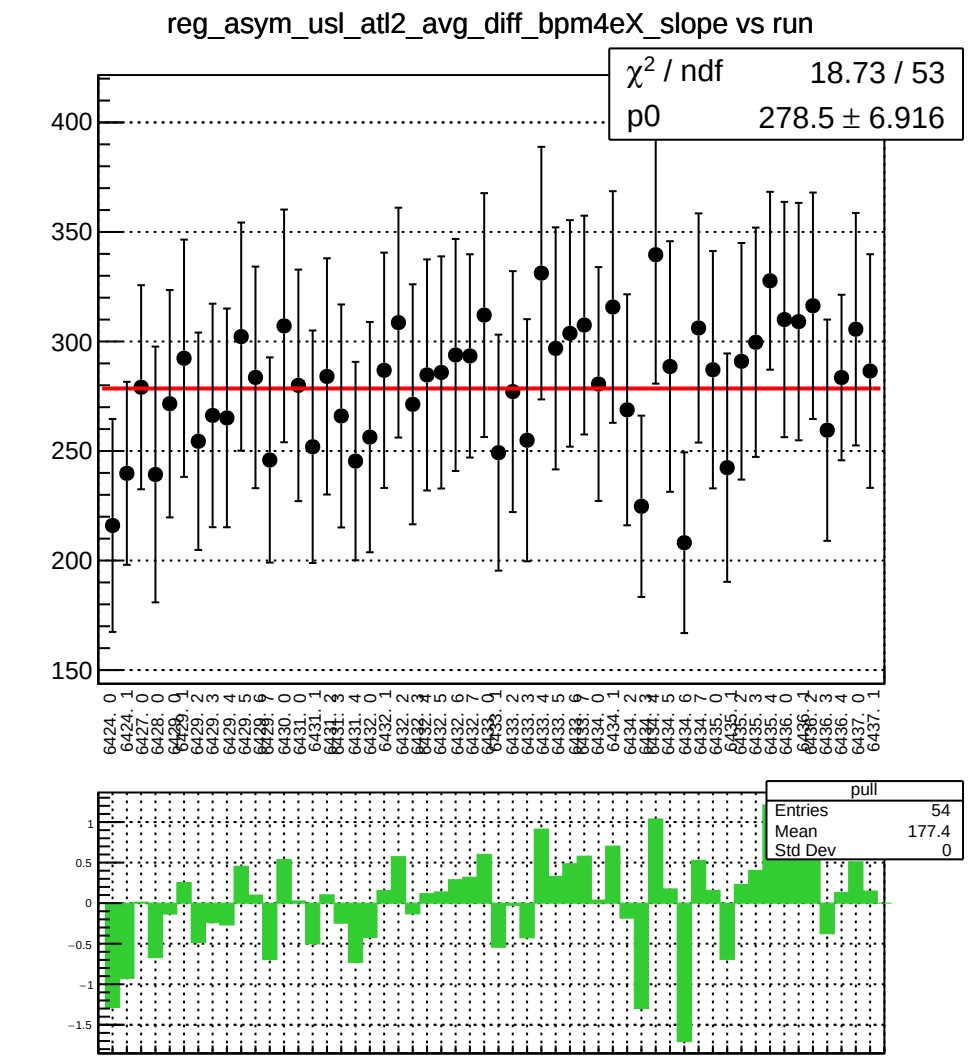

pull1D
Entries 54
Mean 0.01769
Std Dev 0.8262

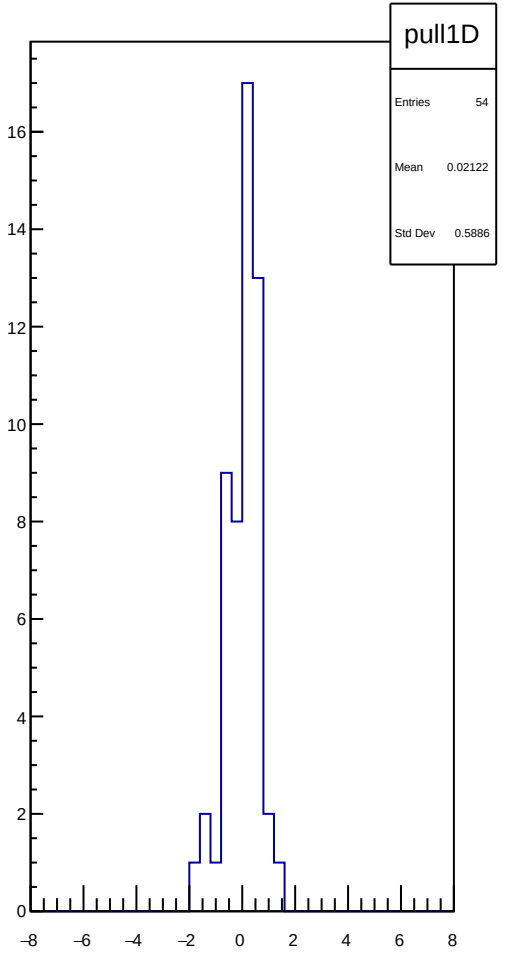

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 56.62 / 53
p0 −9.166 ± 0.06536
−7.5
−8
−8.5
−9
−9.5
−10
−10.5
pull
Entries 54
Mean 576.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

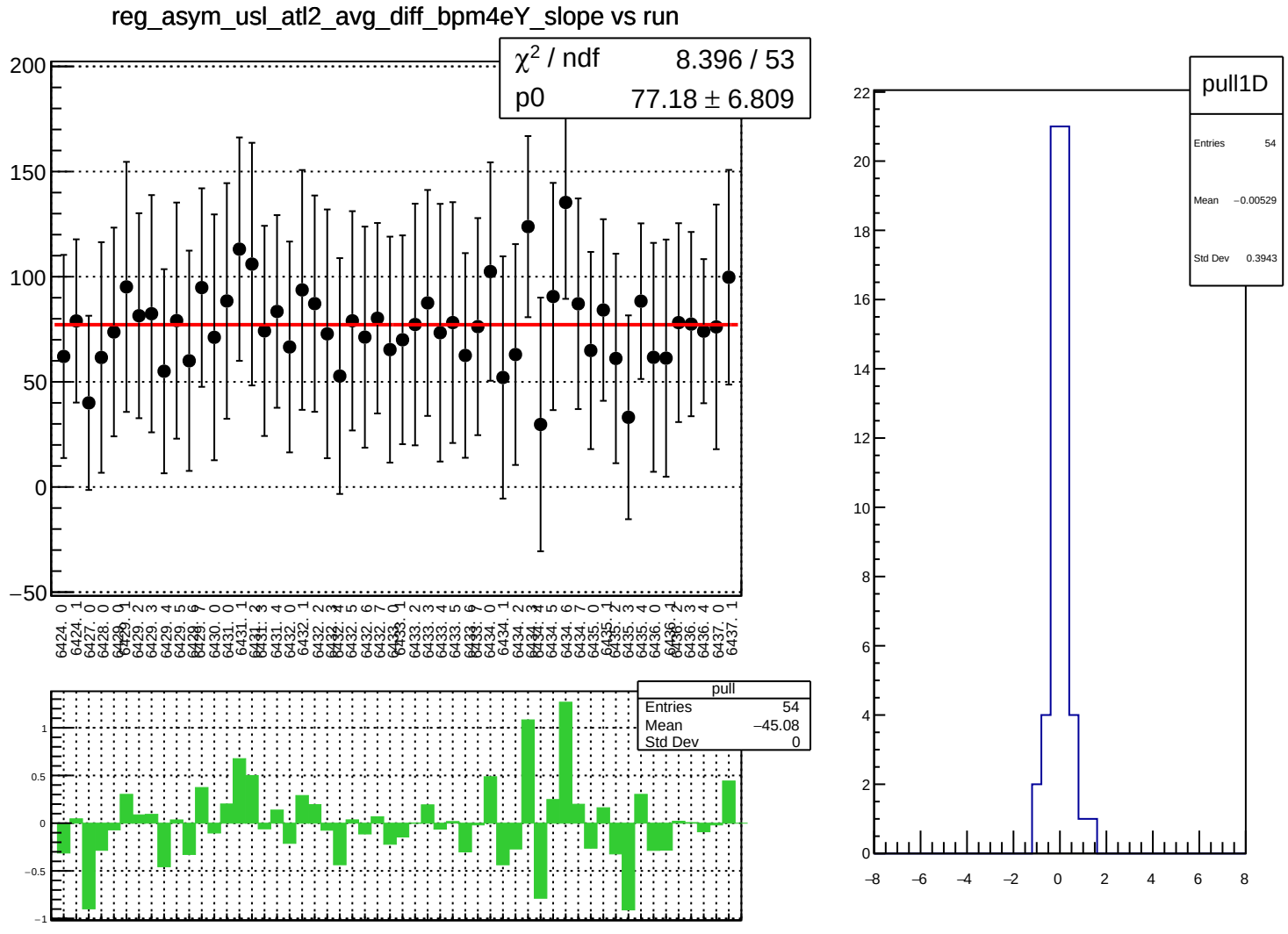

pull1D
Entries 54
Mean 0.002436
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

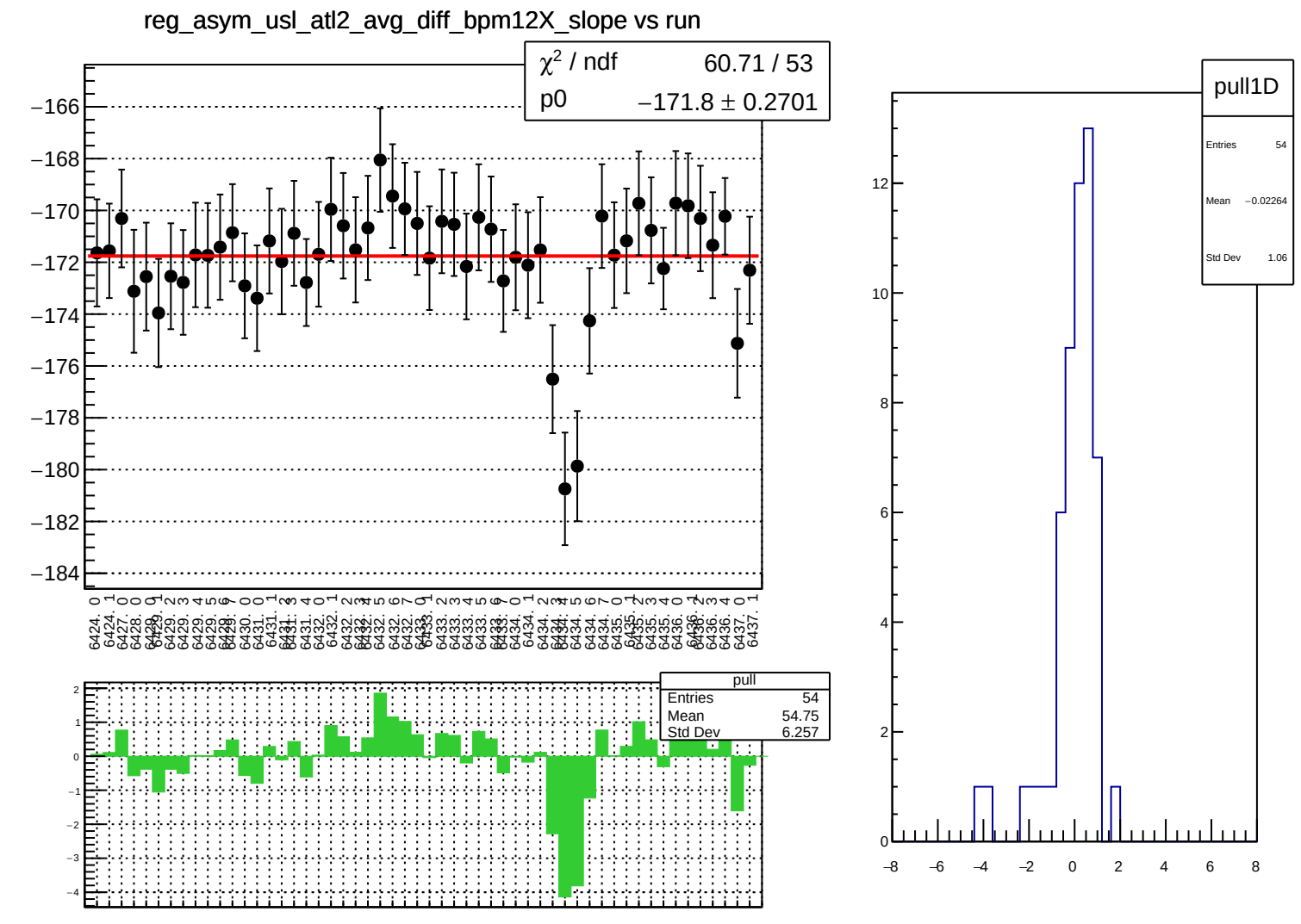

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 18.52 / 53
p0 −312.7 ± 6.617
pull
Entries 54
Mean 174.2
Std Dev 0
pull1D
Entries 54
Mean −0.02092
Std Dev 0.5852

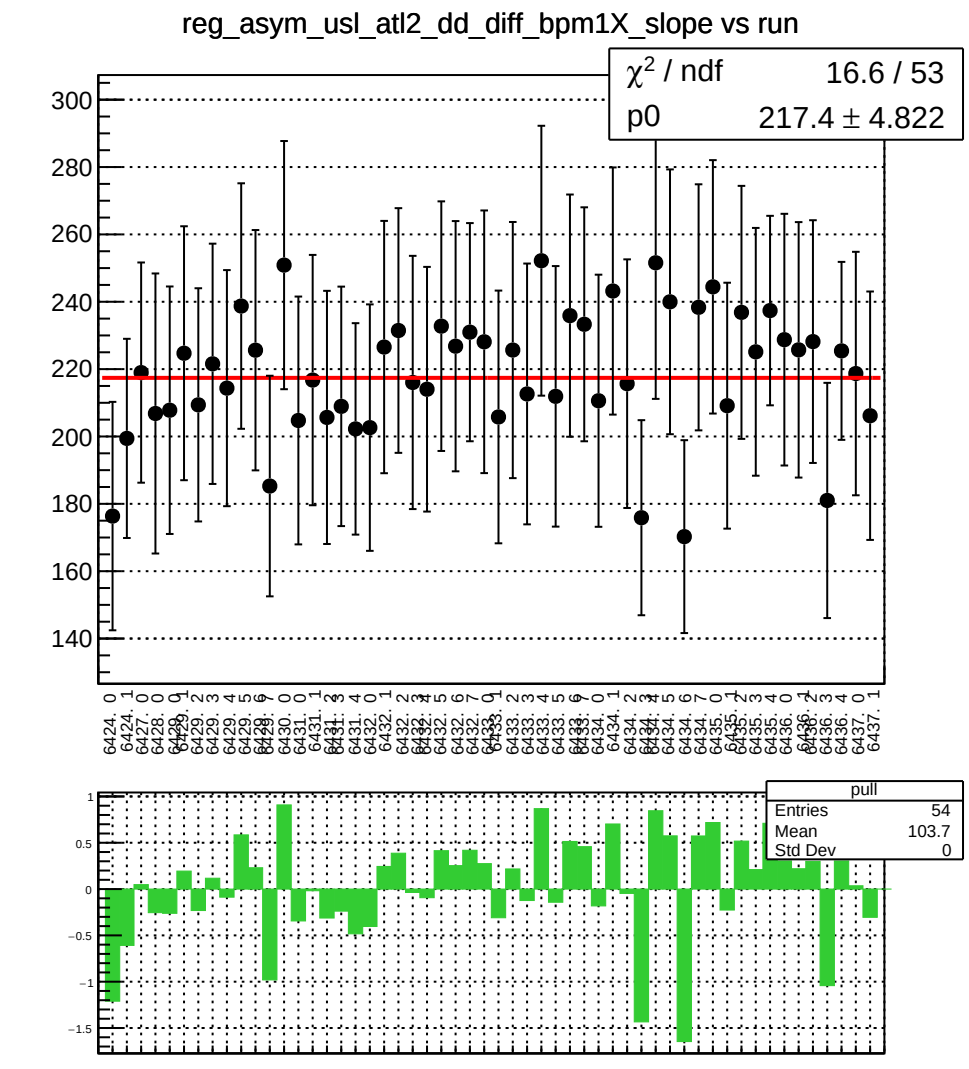

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.226 / 53
p0 24.19 ± 6.681
150
100
50
0
−50
pull
Entries 54
Mean −14.32
Std Dev 14.85
pull1D
Entries 54
Mean 0.005808
Std Dev 0.3903
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

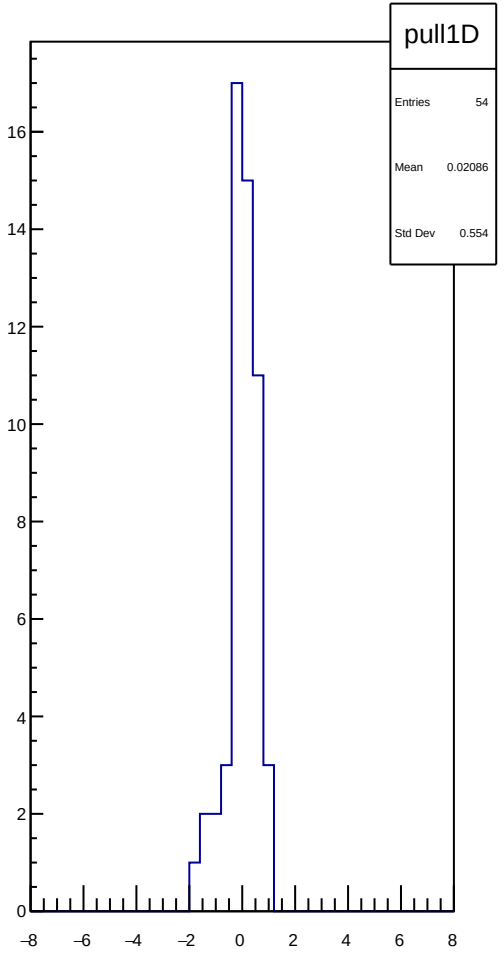

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.73 / 53
p0 278.5 ± 6.916
pull
Entries 54
Mean 177.4
Std Dev 0

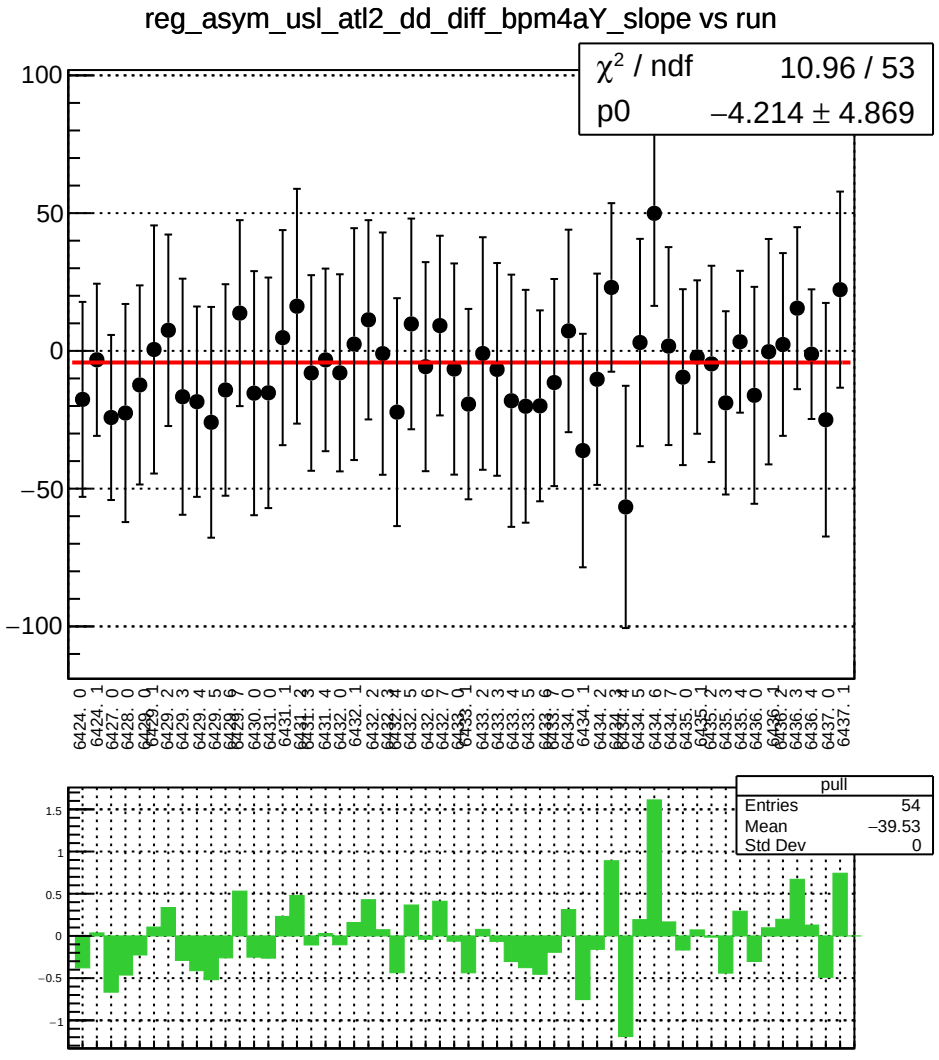

pull1D
Entries 54
Mean 0.02122
Std Dev 0.5886

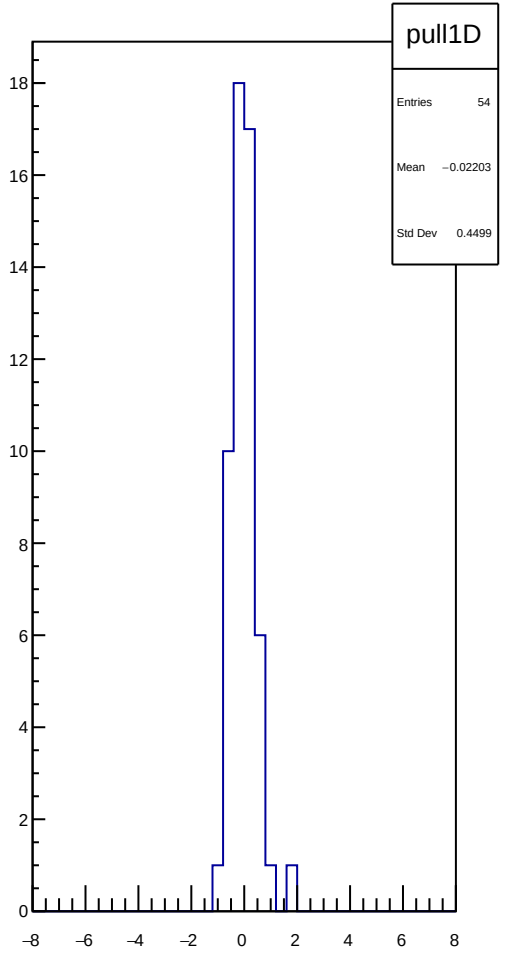

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.396 / 53
p0 77.18 ± 6.809
pull
Entries 54
Mean −45.08
Std Dev 0
pull1D
Entries 54
Mean −0.00529
Std Dev 0.3943

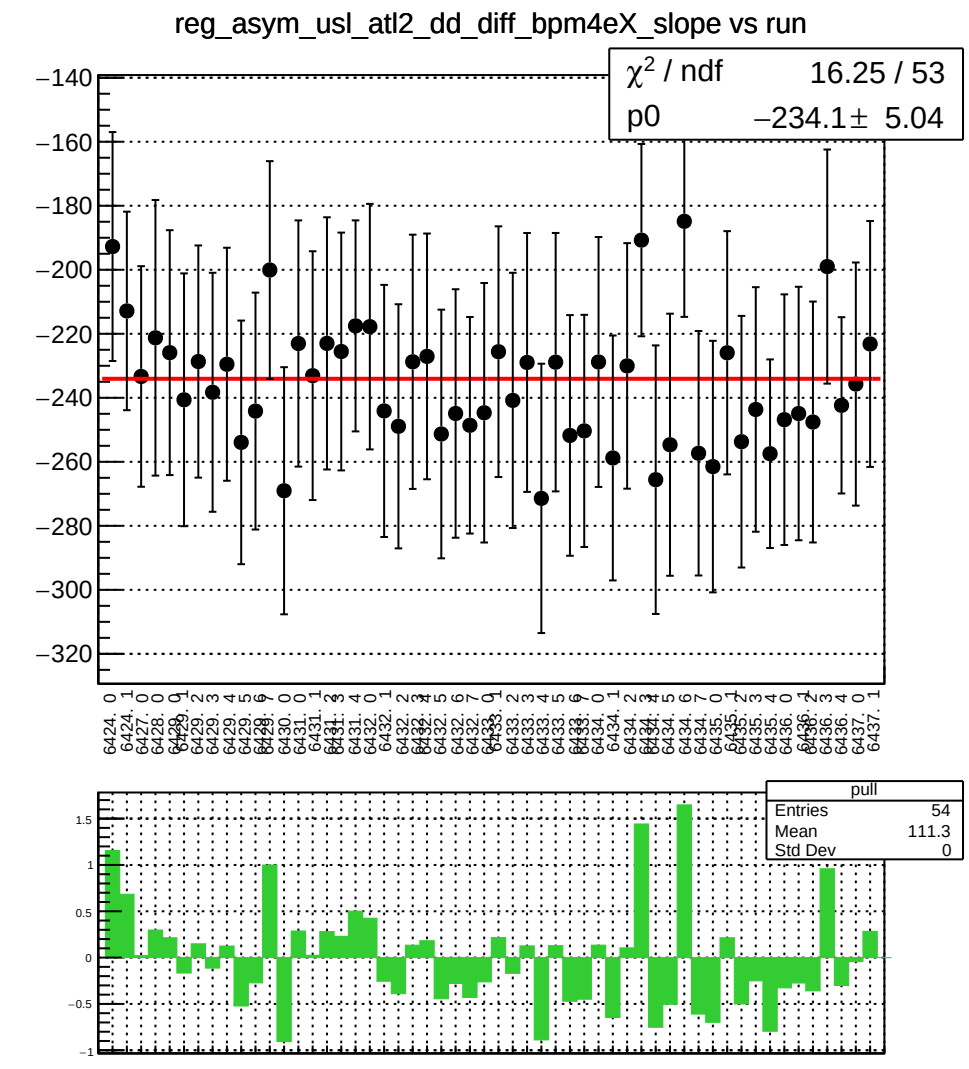

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 60.71 / 53
p0 −171.8 ± 0.2701
pull
Entries 54
Mean 54.75
Std Dev 6.257
pull1D
Entries 54
Mean −0.02264
Std Dev 1.06

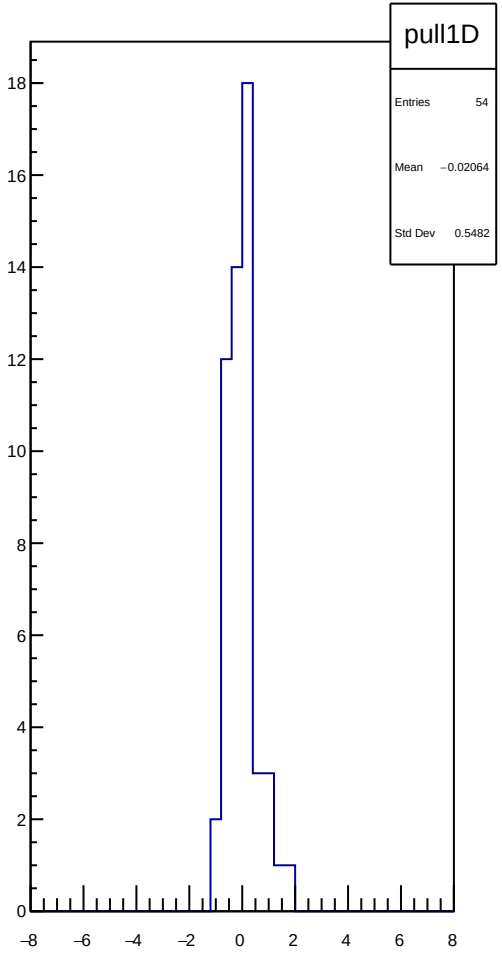

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 16.6 / 53
p0 217.4 ± 4.822
pull
Entries 54
Mean 103.7
Std Dev 0

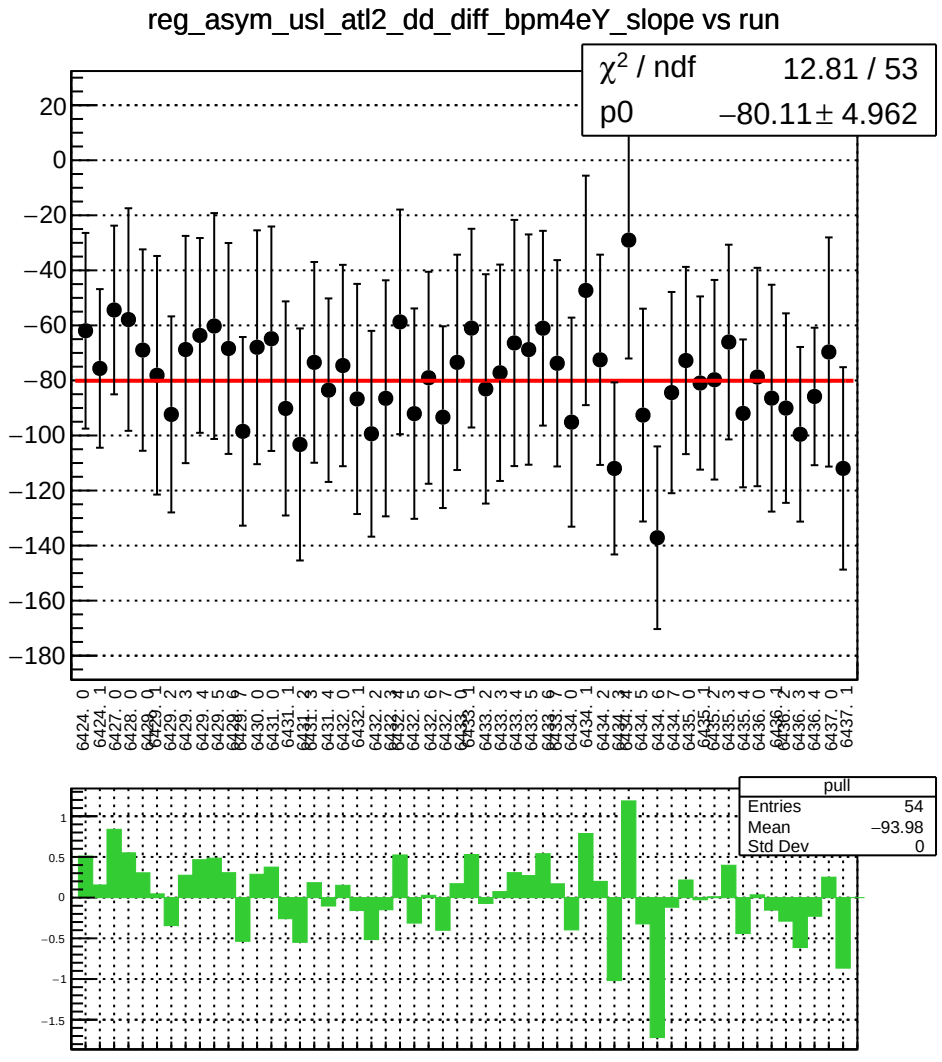

pull1D
Entries 54
Mean 0.02086
Std Dev 0.554

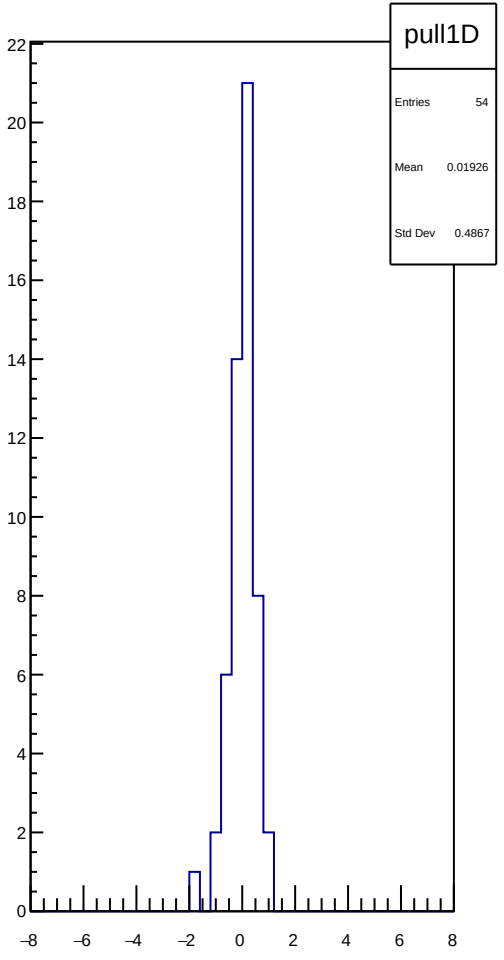

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.96 / 53
p0 −4.214 ± 4.869
100
50
0
−50
−100
pull
Entries 54
Mean −39.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1

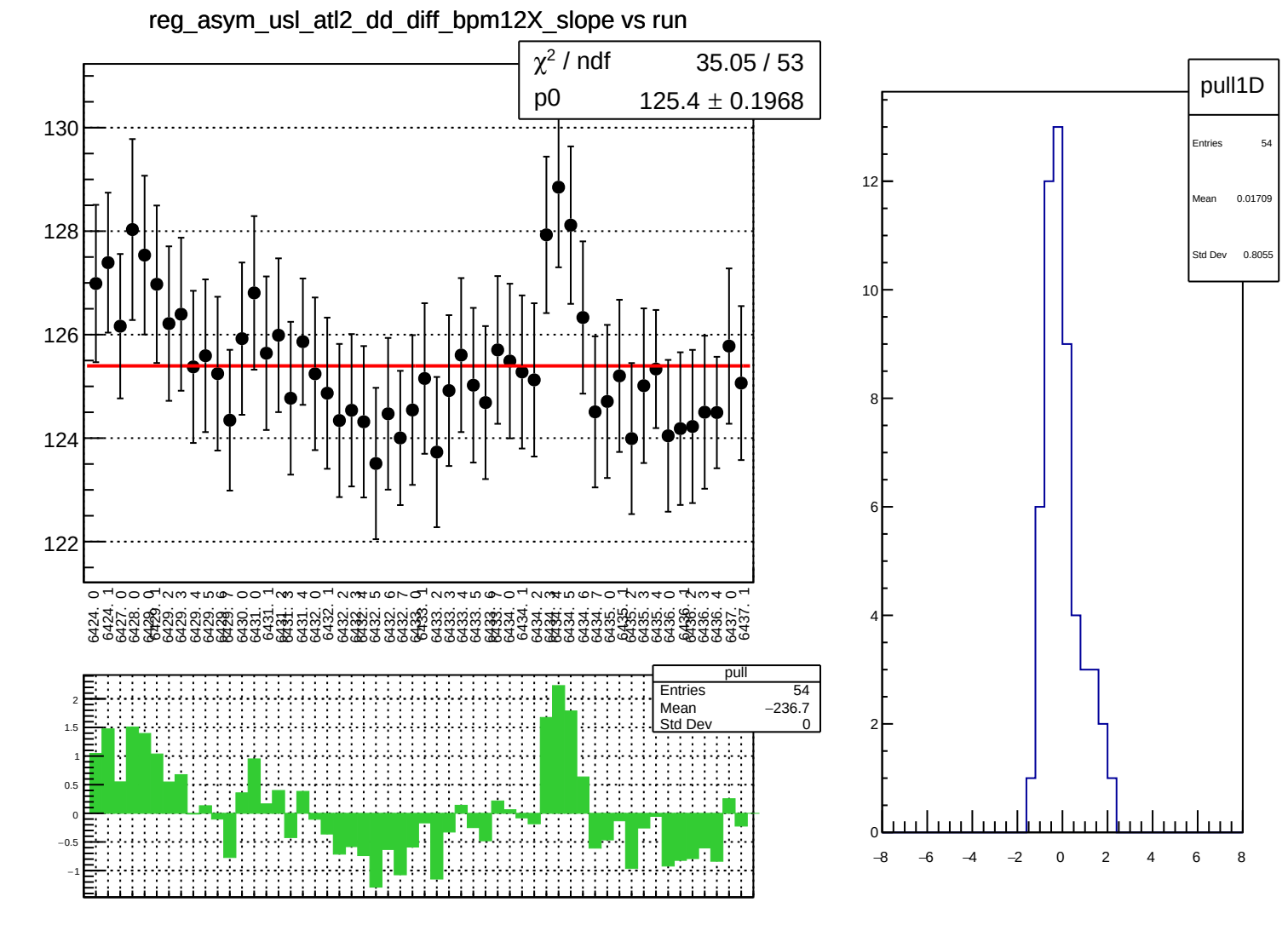

pull1D
Entries 54
Mean −0.02203
Std Dev 0.4499
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

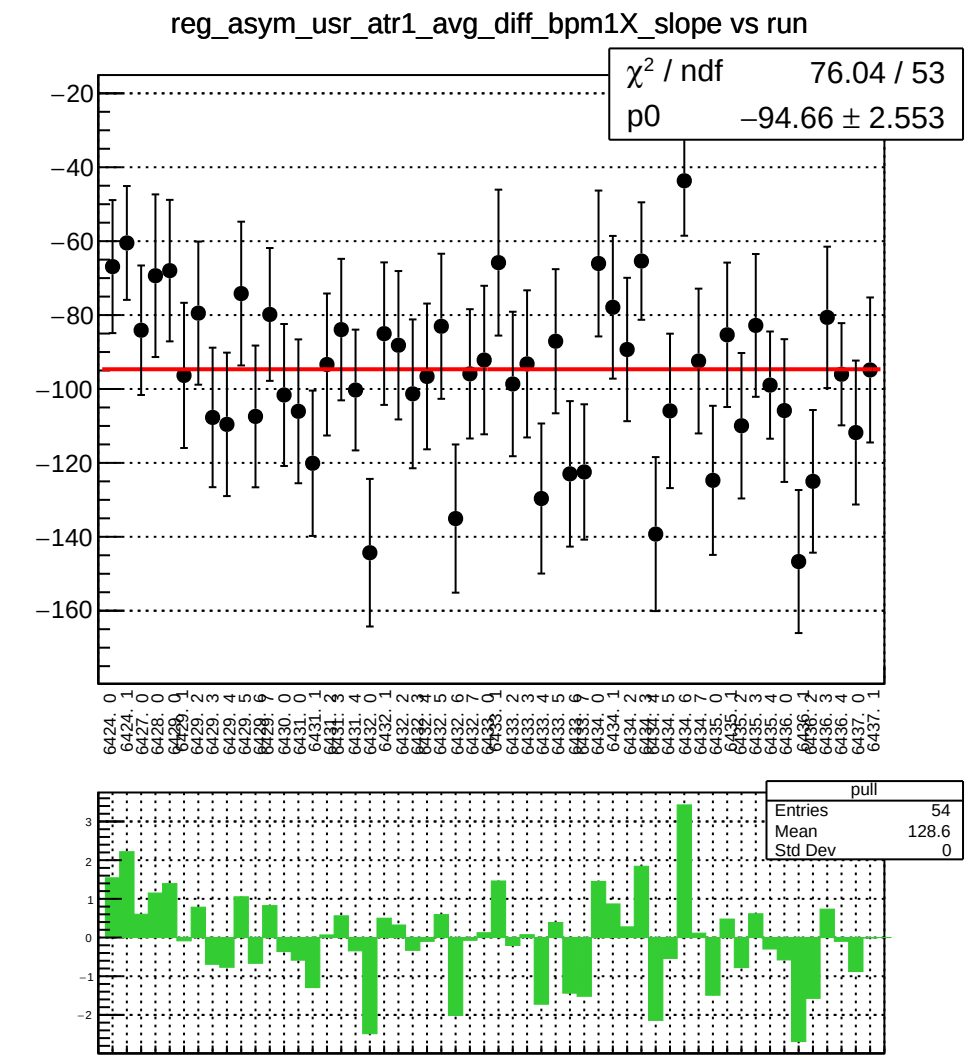

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.25 / 53
p0 −234.1± 5.04
pull
Entries 54
Mean 111.3
Std Dev 0

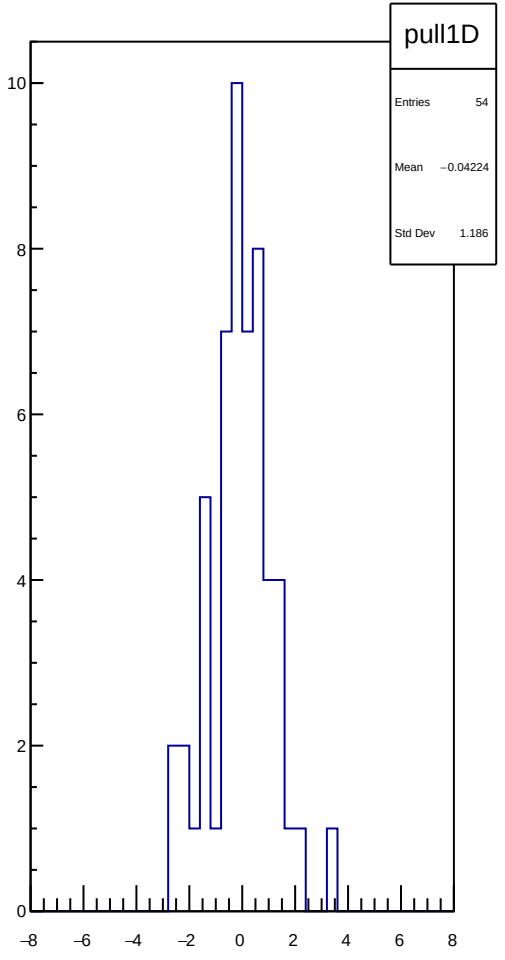

pull1D
Entries 54
Mean −0.02064
Std Dev 0.5482

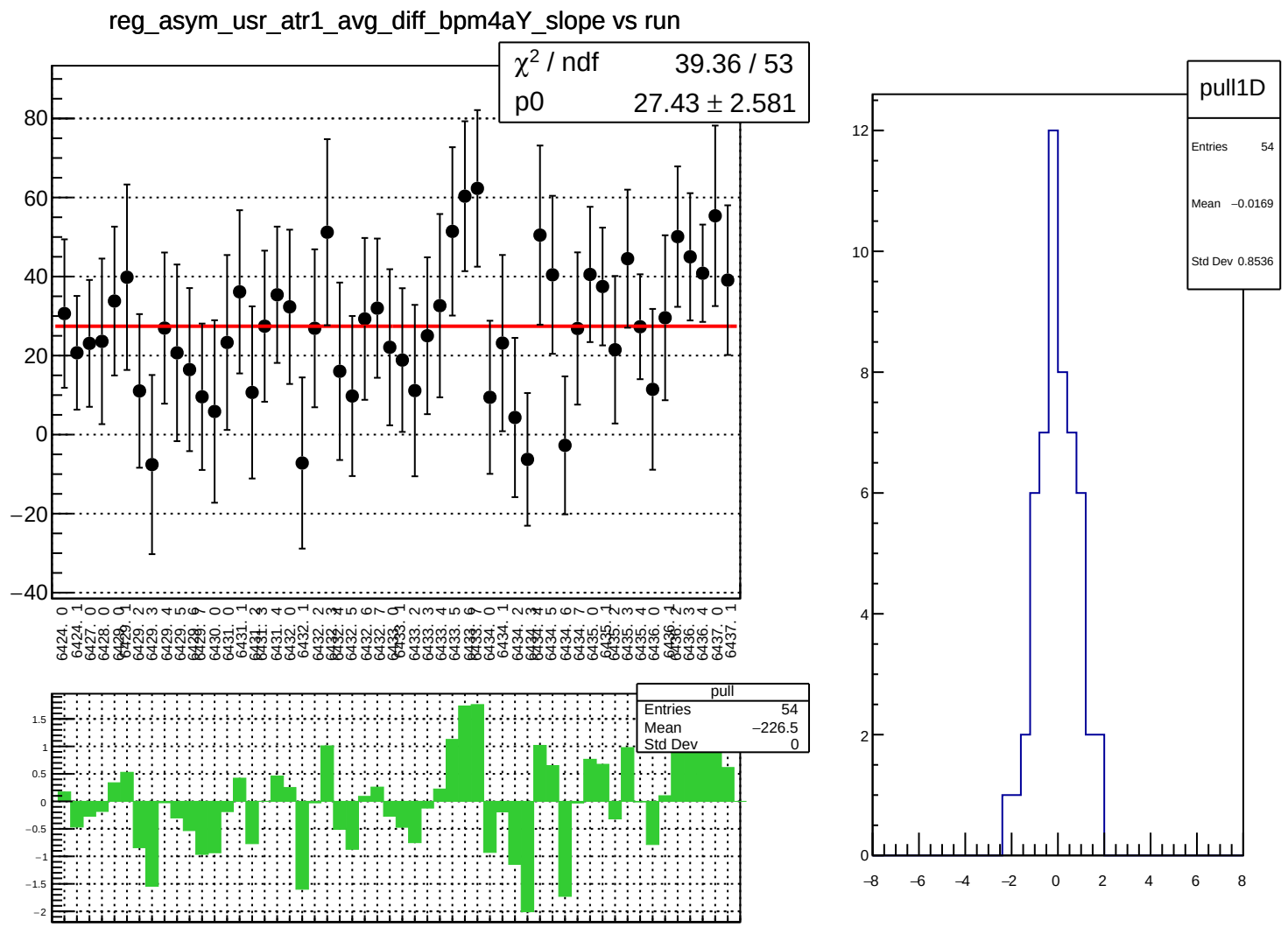

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 53
p0 −80.11 ± 4.962
pull
Entries 54
Mean −93.98
Std Dev 0

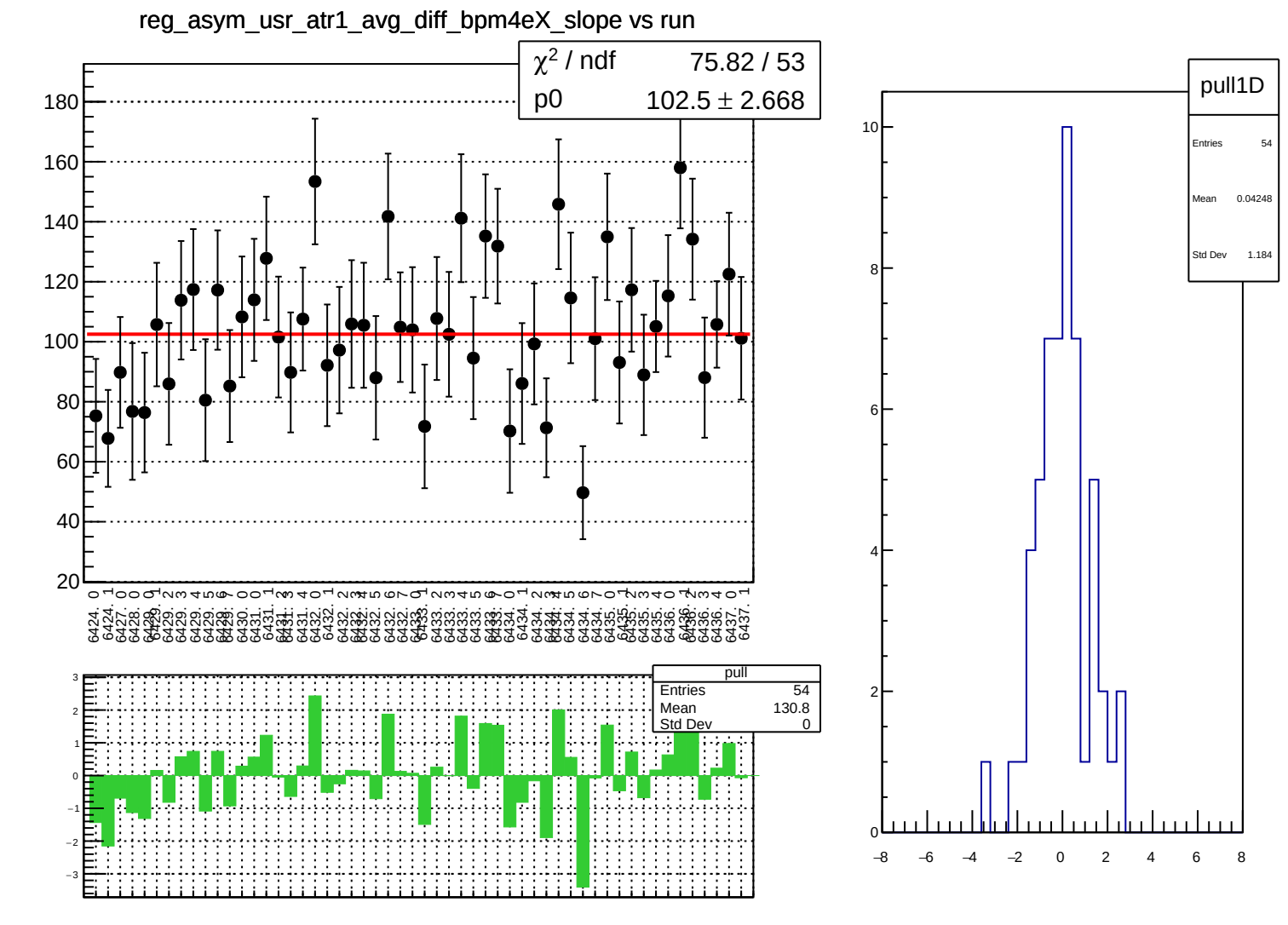

pull1D
Entries 54
Mean 0.01926
Std Dev 0.4867

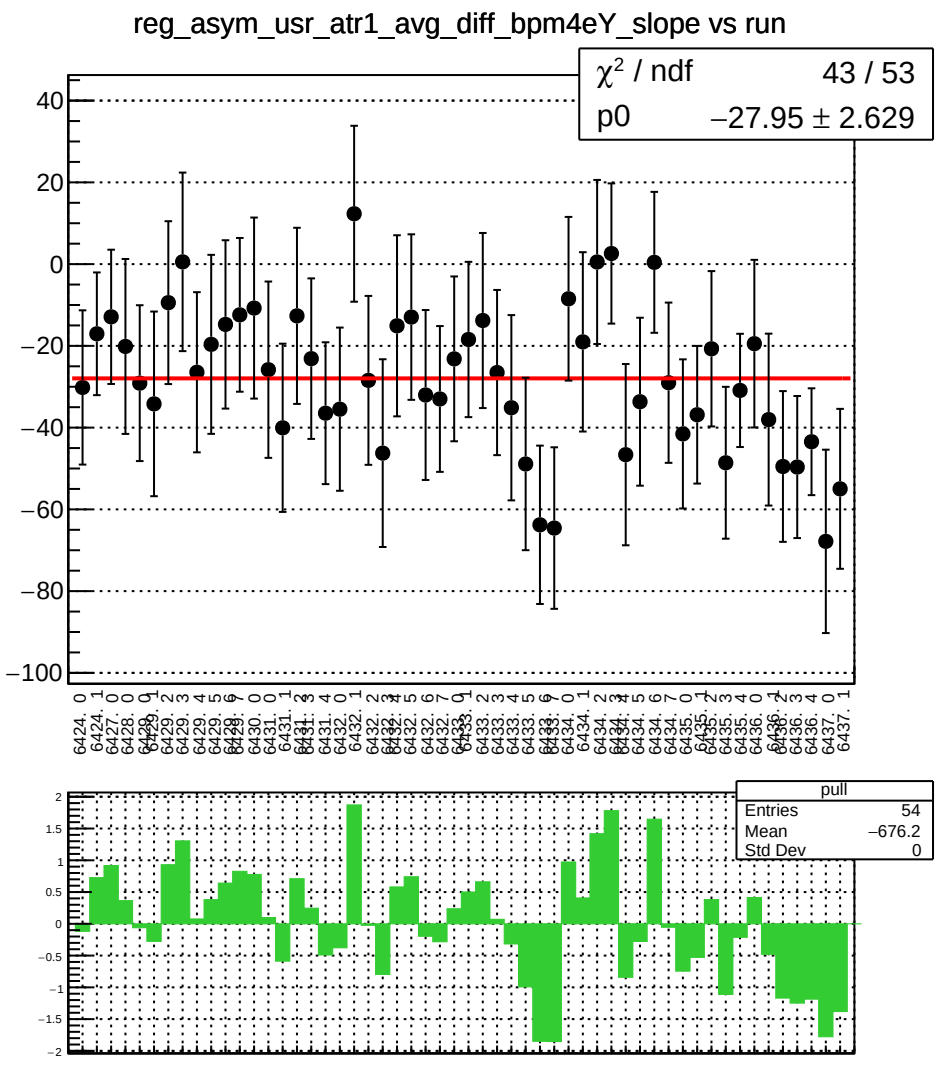

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 35.05 / 53
p0 125.4 ± 0.1968
130
128
126
124
122
pull
Entries 54
Mean −236.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.01709
Std Dev 0.8055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

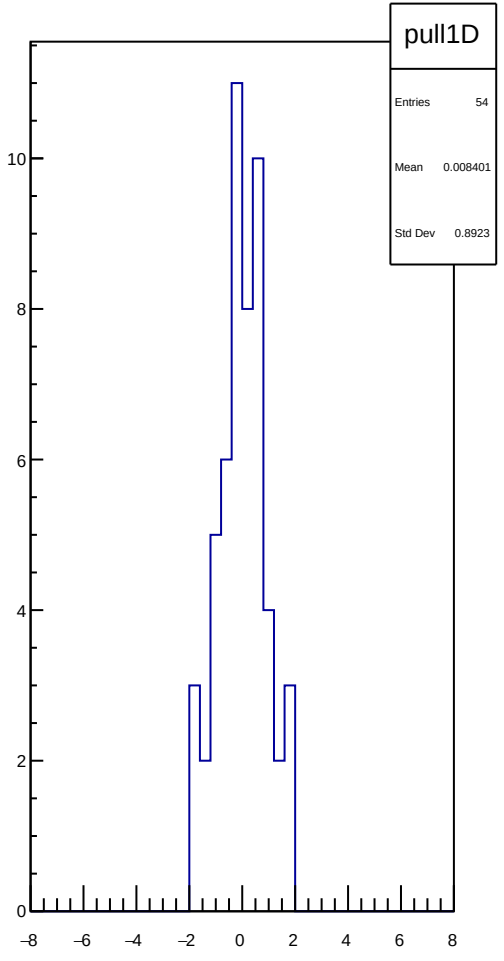

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 76.04 / 53
p0 −94.66 ± 2.553
pull
Entries 54
Mean 128.6
Std Dev 0

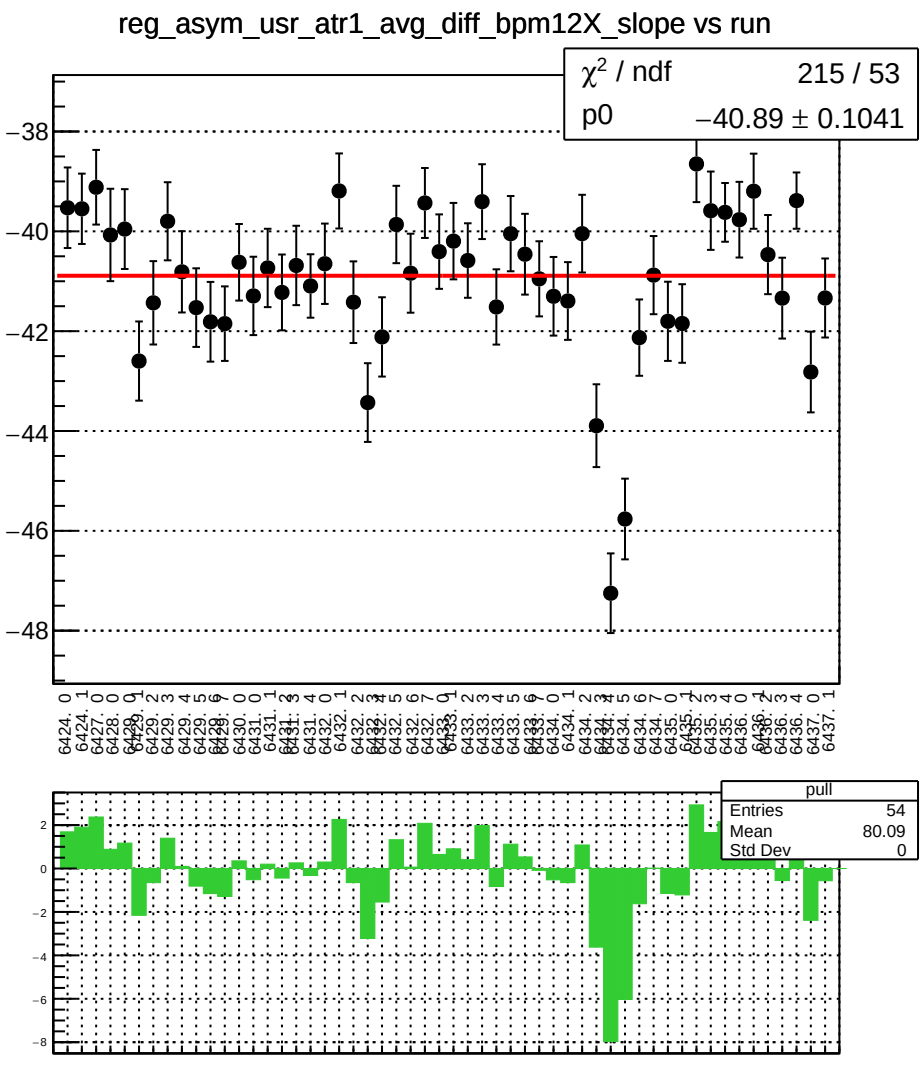

pull1D
Entries 54
Mean −0.04224
Std Dev 1.186

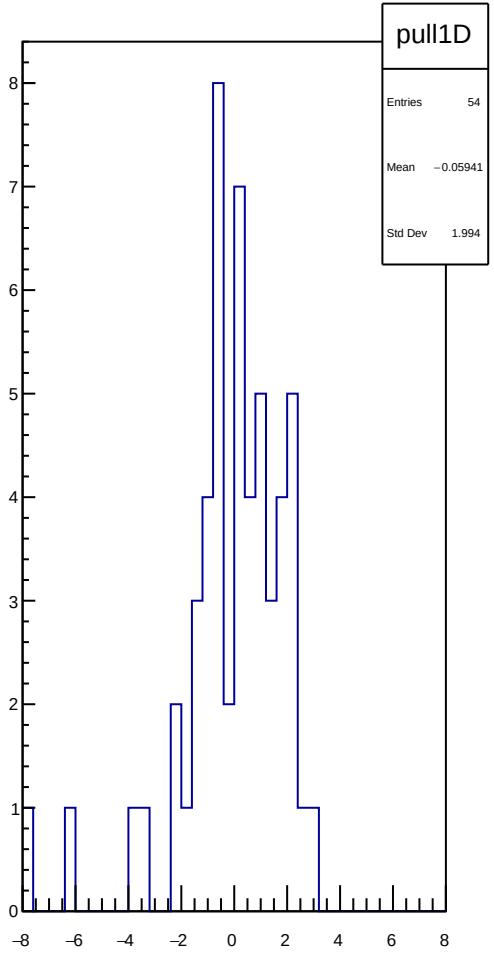

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.36 / 53
p0 27.43 ± 2.581
pull
Entries 54
Mean −226.5
Std Dev 0
pull1D
Entries 54
Mean −0.0169
Std Dev 0.8536

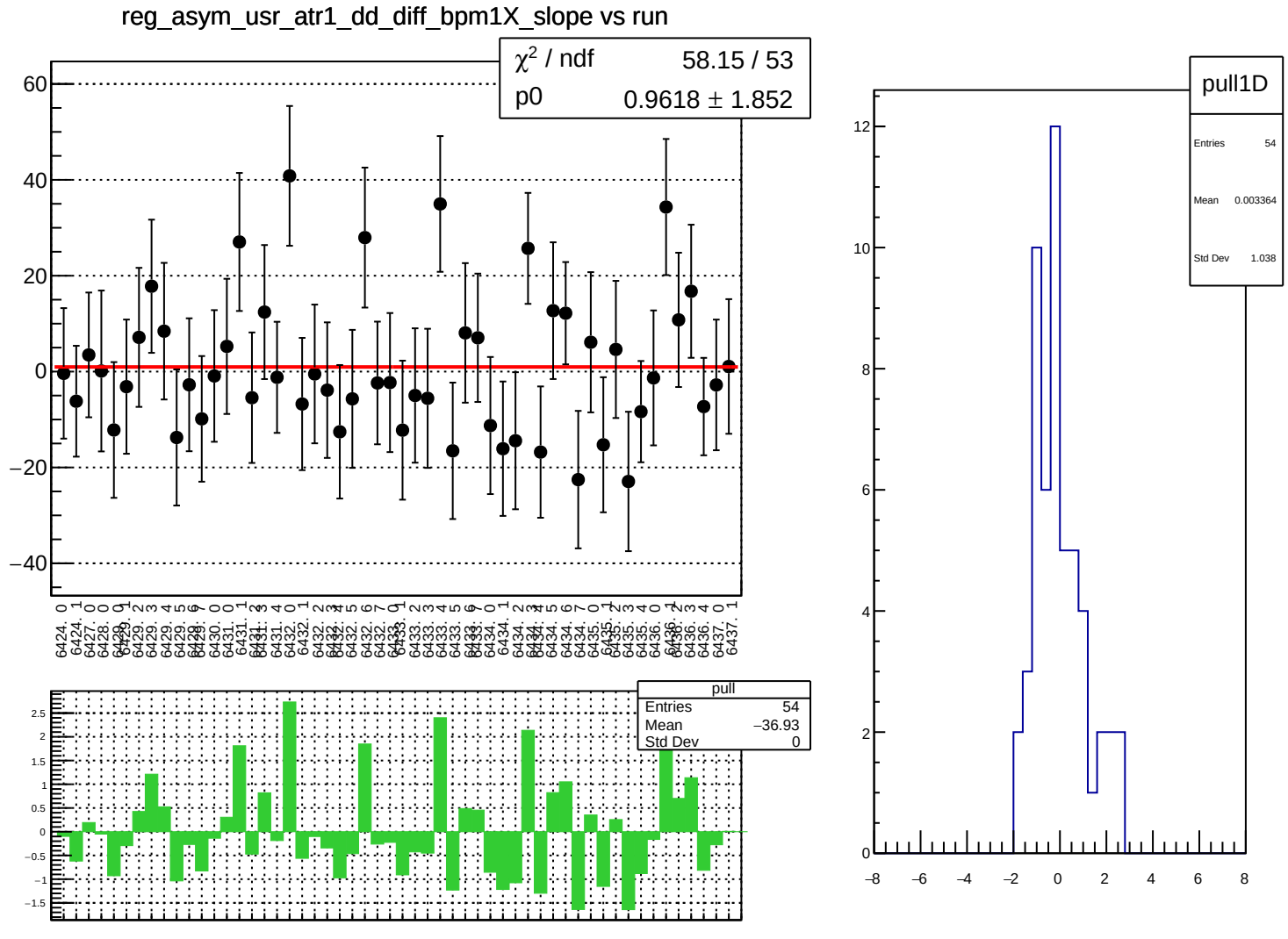

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.82 / 53
p0 102.5 ± 2.668
pull
Entries 54
Mean 130.8
Std Dev 0
pull1D
Entries 54
Mean 0.04248
Std Dev 1.184

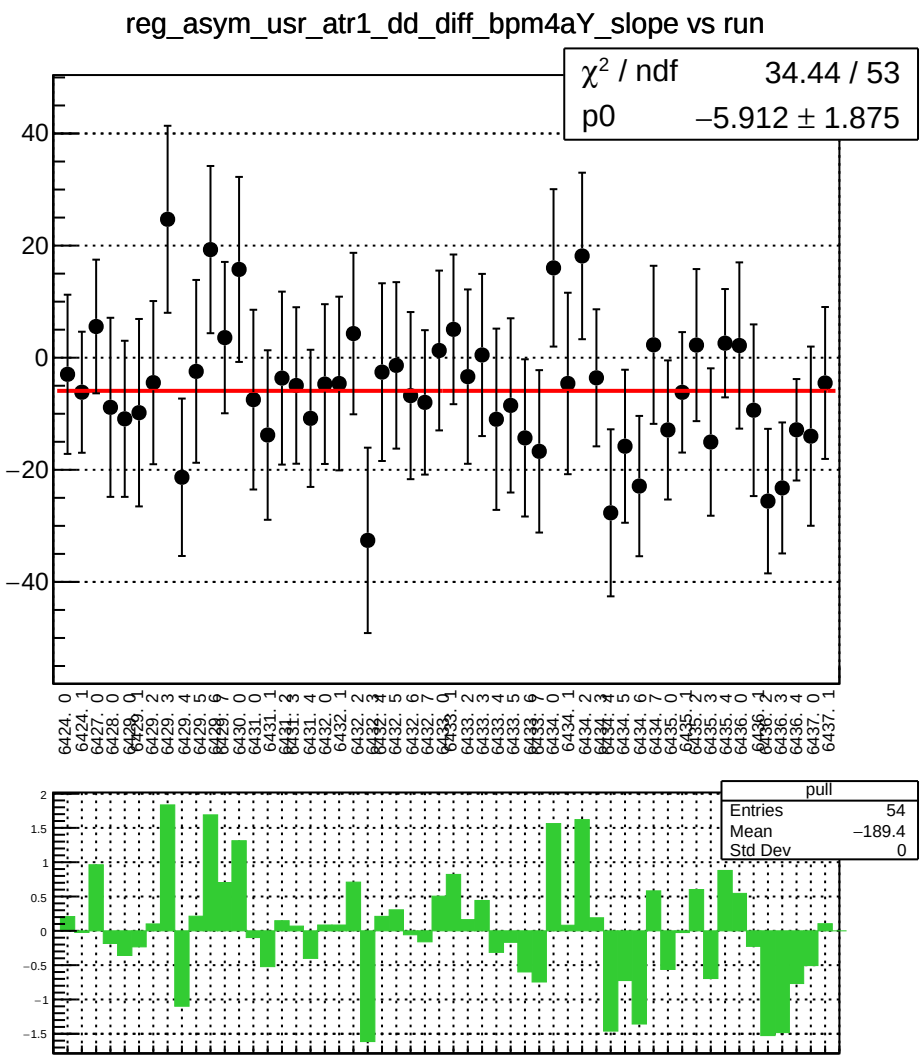

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 43 / 53
p0 −27.95 ± 2.629
pull
Entries 54
Mean −676.2
Std Dev 0

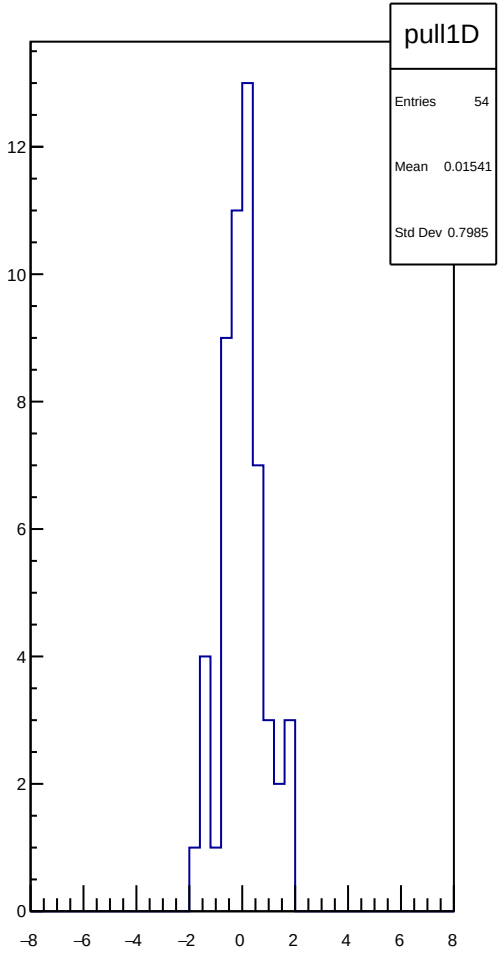

pull1D
Entries 54
Mean 0.008401
Std Dev 0.8923

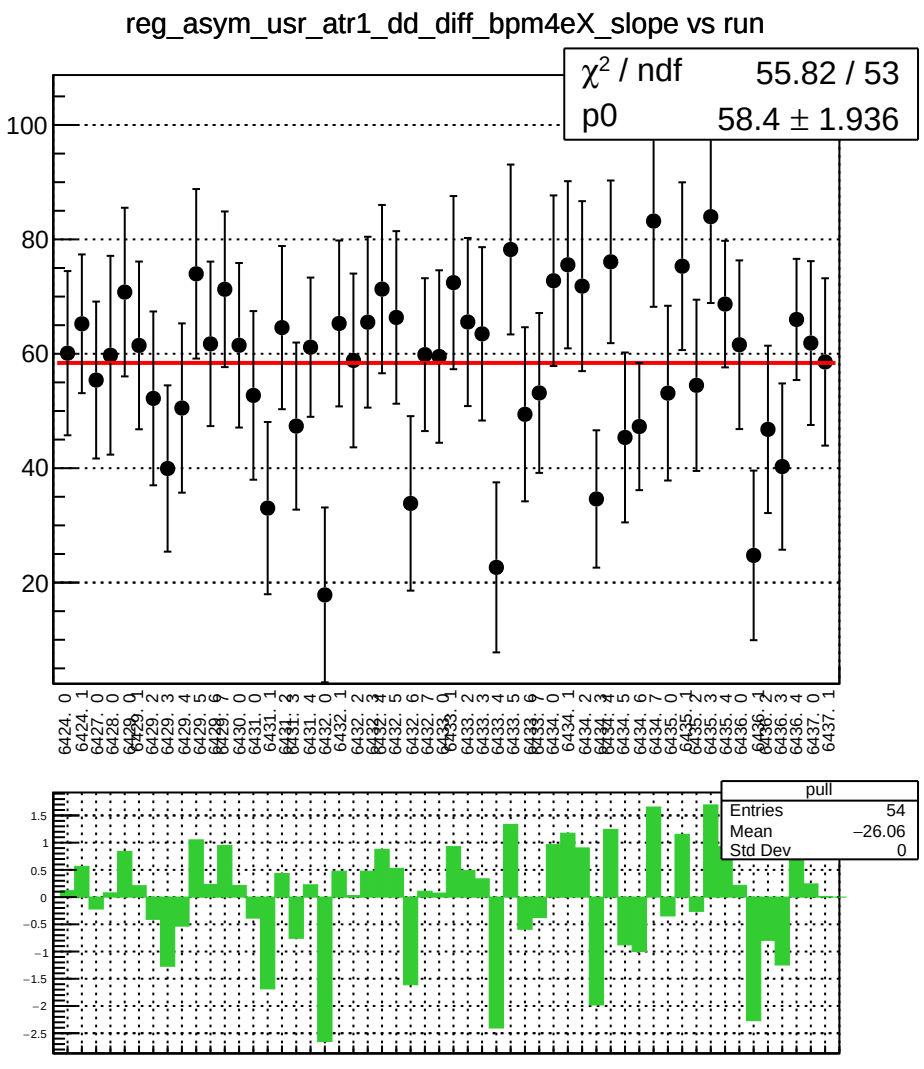

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 215 / 53
p0 −40.89 ± 0.1041
pull
Entries 54
Mean 80.09
Std Dev 0

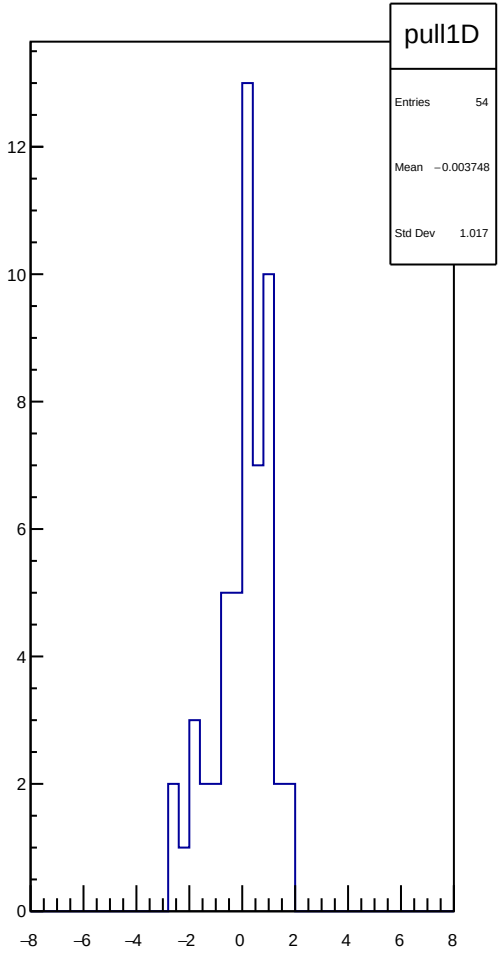

pull1D
Entries 54
Mean −0.05941
Std Dev 1.994

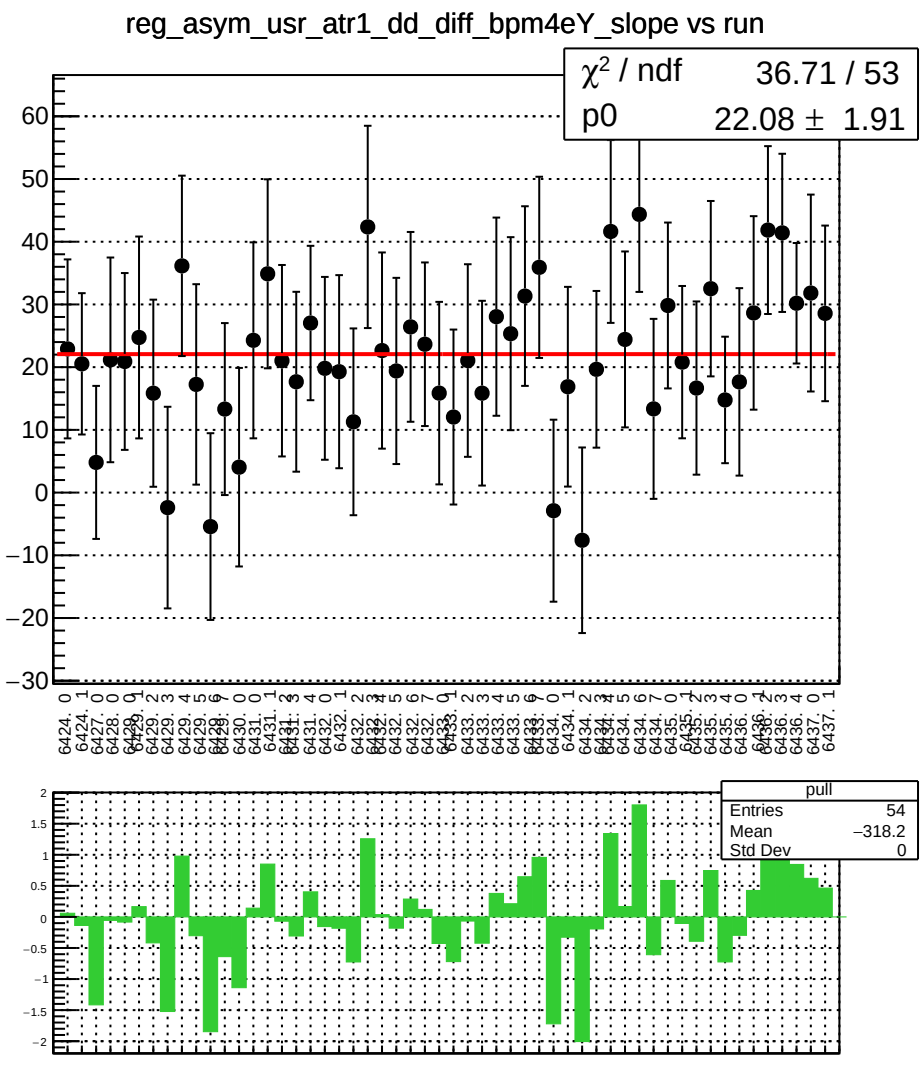

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 58.15 / 53
p0 0.9618 ± 1.852
pull
Entries 54
Mean −36.93
Std Dev 0
pull1D
Entries 54
Mean 0.003364
Std Dev 1.038

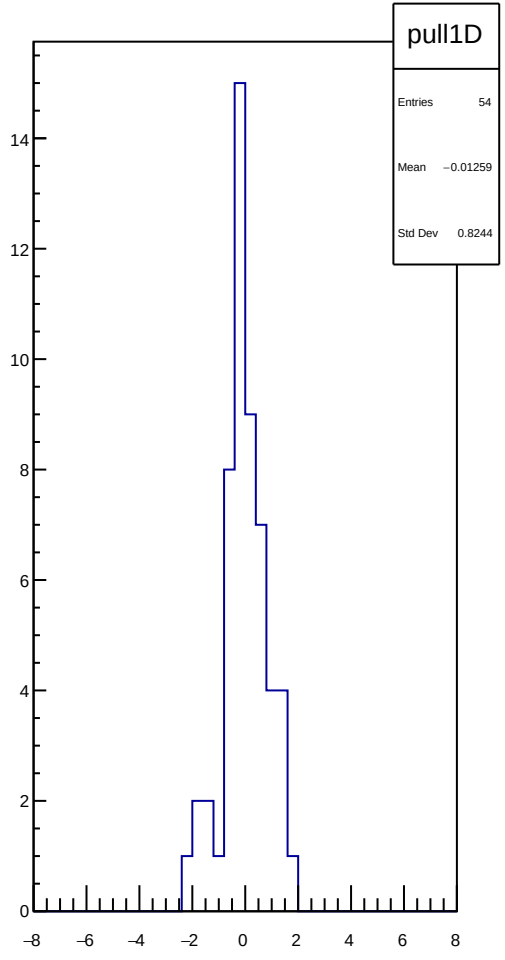

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.44 / 53
p0 −5.912 ± 1.875
pull
Entries 54
Mean −189.4
Std Dev 0

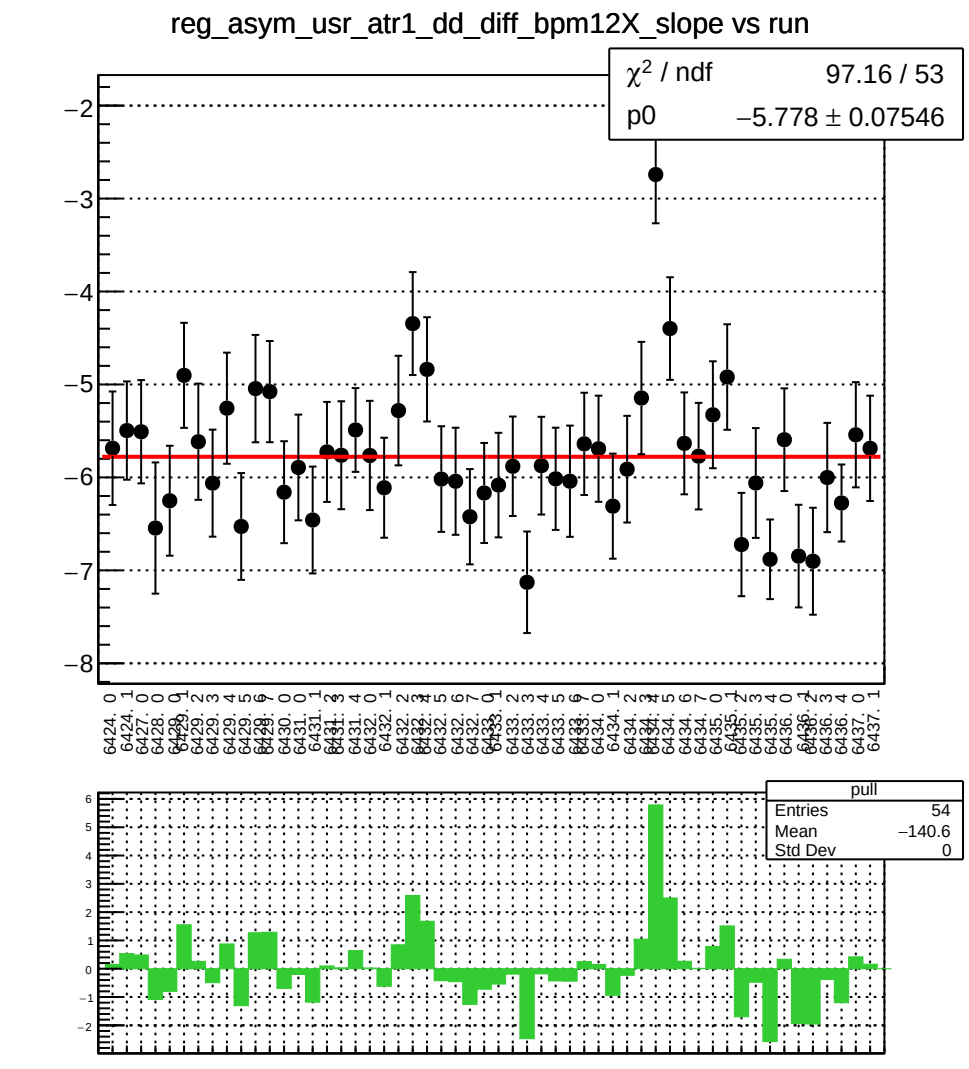

pull1D
Entries 54
Mean 0.01541
Std Dev 0.7985

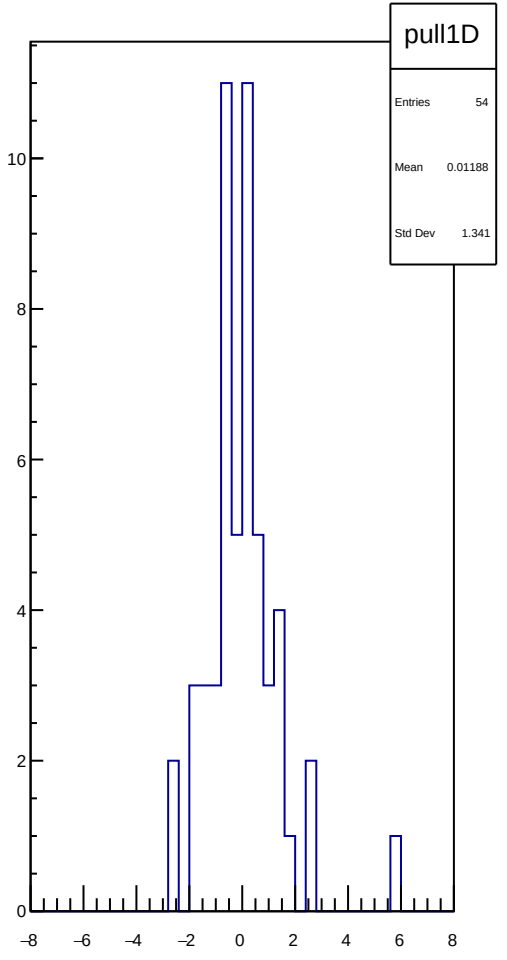

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.82 / 53
p0 58.4 ± 1.936
pull
Entries 54
Mean −26.06
Std Dev 0

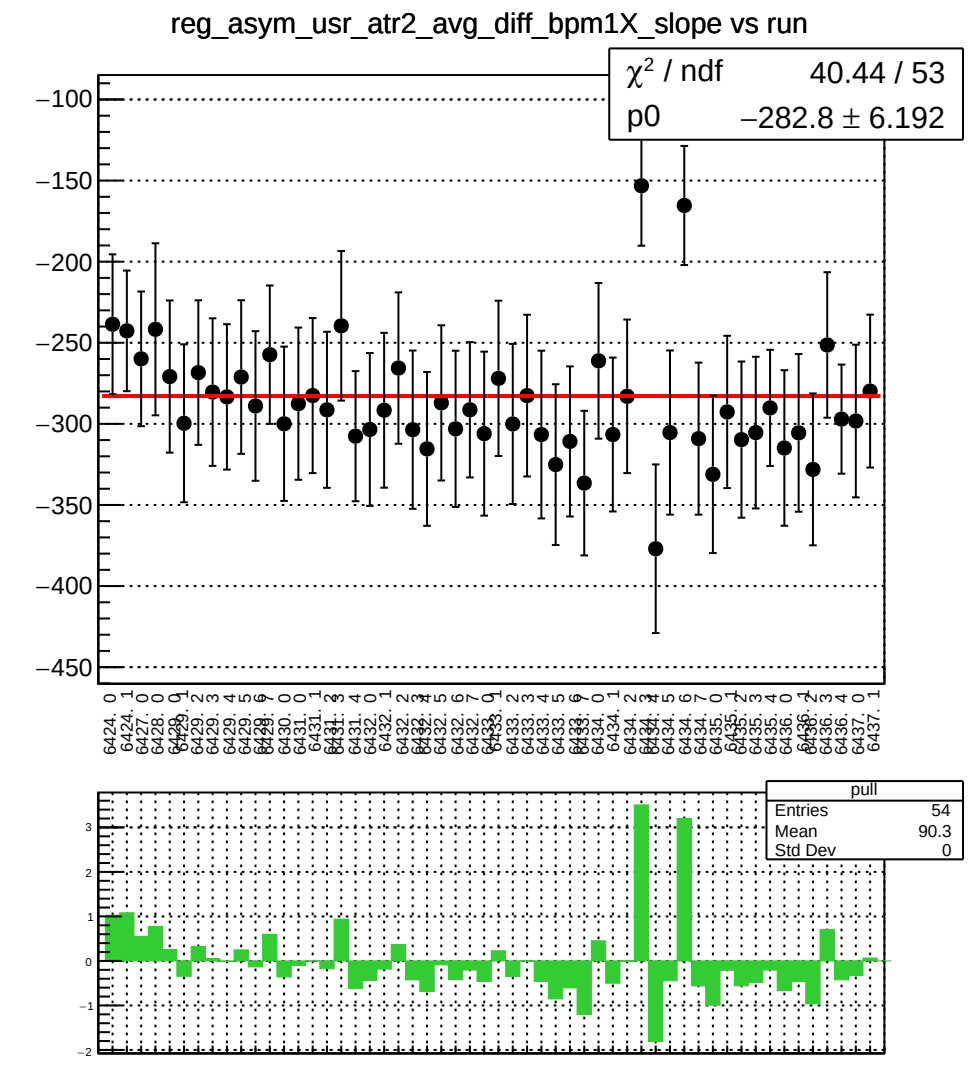

pull1D
Entries 54
Mean −0.003748
Std Dev 1.017

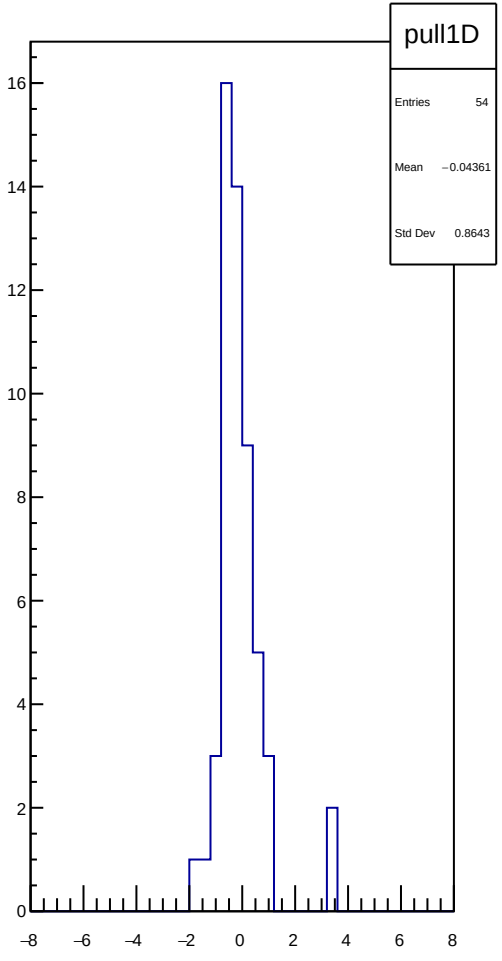

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.71 / 53
p0 22.08 ± 1.91
pull
Entries 54
Mean −318.2
Std Dev 0

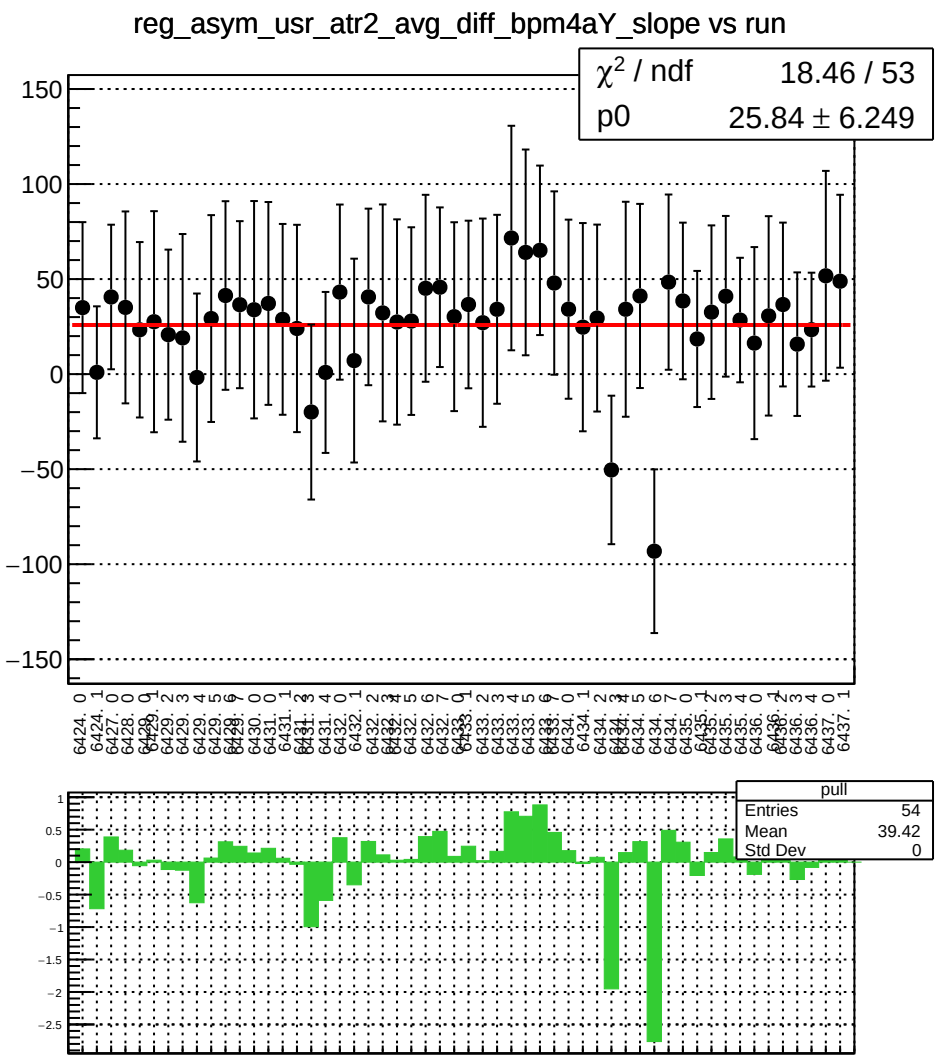

pull1D
Entries 54
Mean −0.01259
Std Dev 0.8244

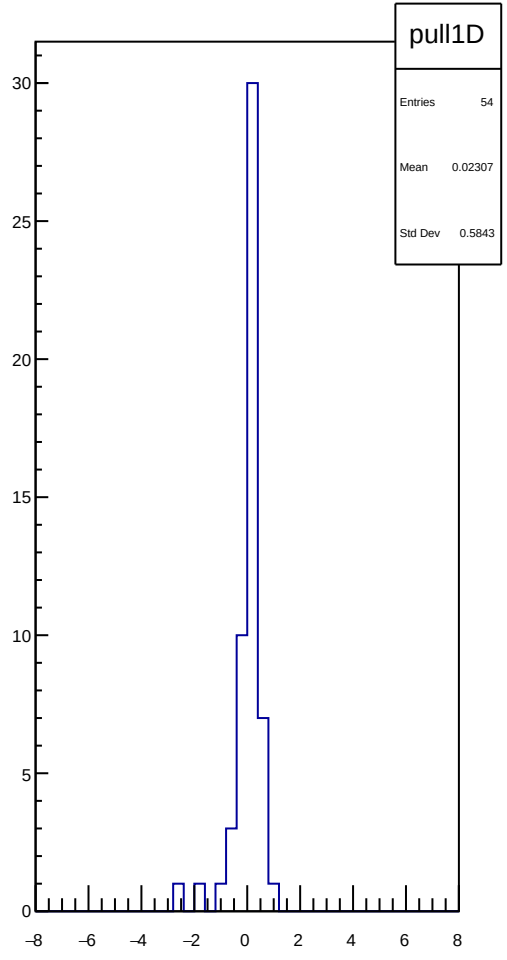

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 97.16 / 53
p0 −5.778 ± 0.07546
pull
Entries 54
Mean −140.6
Std Dev 0

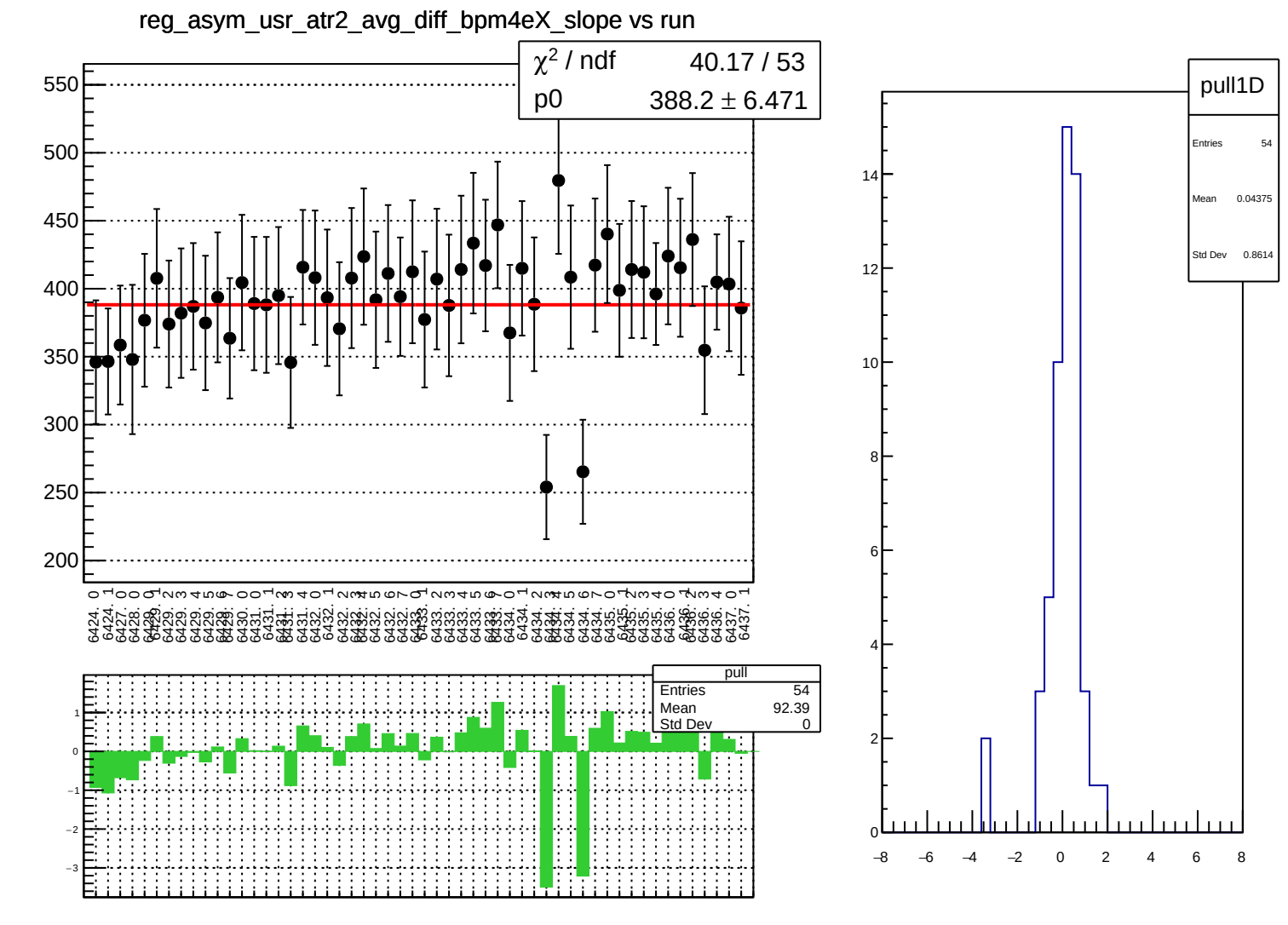

pull1D
Entries 54
Mean 0.01188
Std Dev 1.341

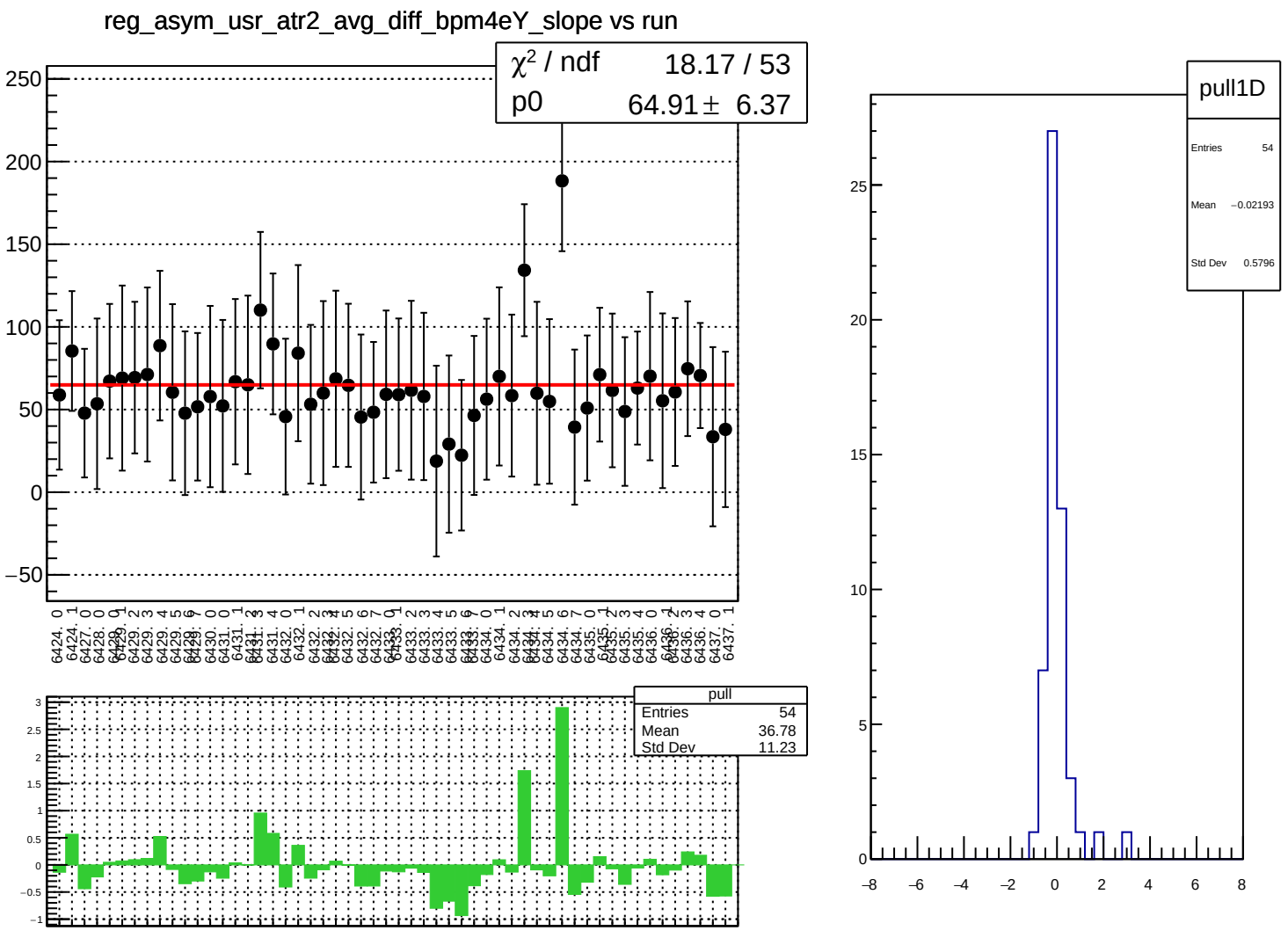

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 40.44 / 53
p0 −282.8 ± 6.192
pull
Entries 54
Mean 90.3
Std Dev 0

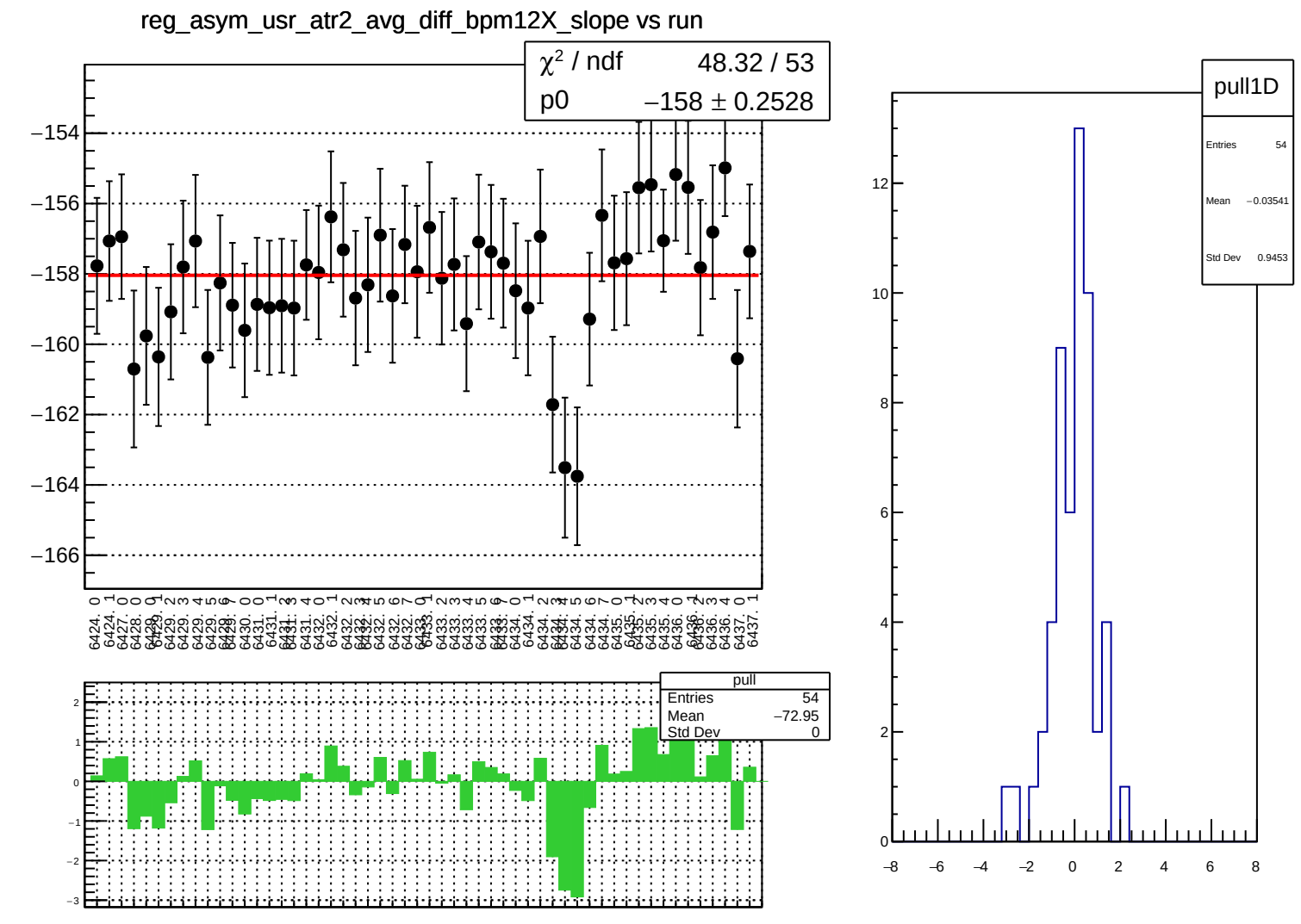

pull1D
Entries 54
Mean −0.04361
Std Dev 0.8643

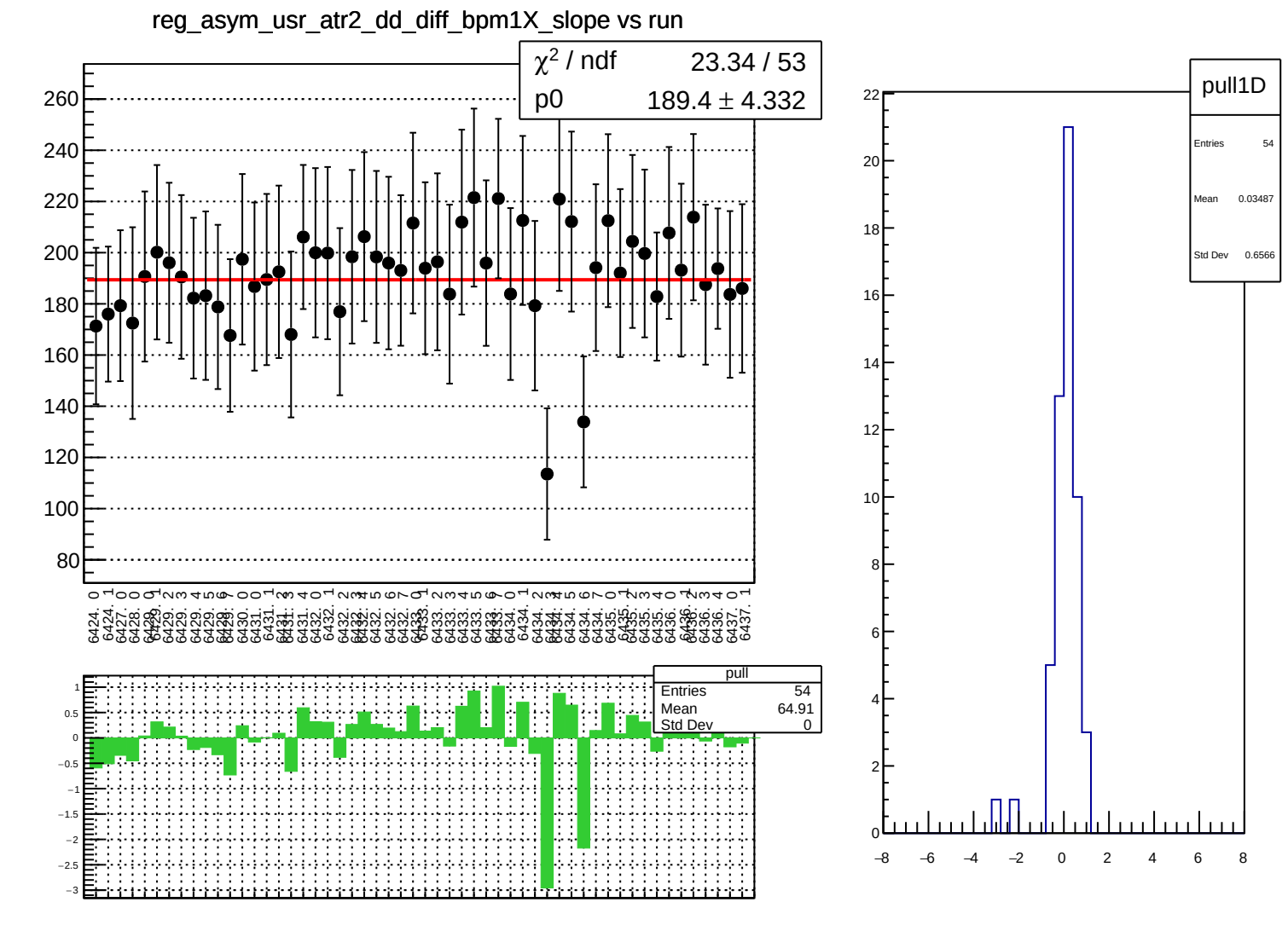

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.46 / 53
p0 25.84 ± 6.249
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 39.42
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

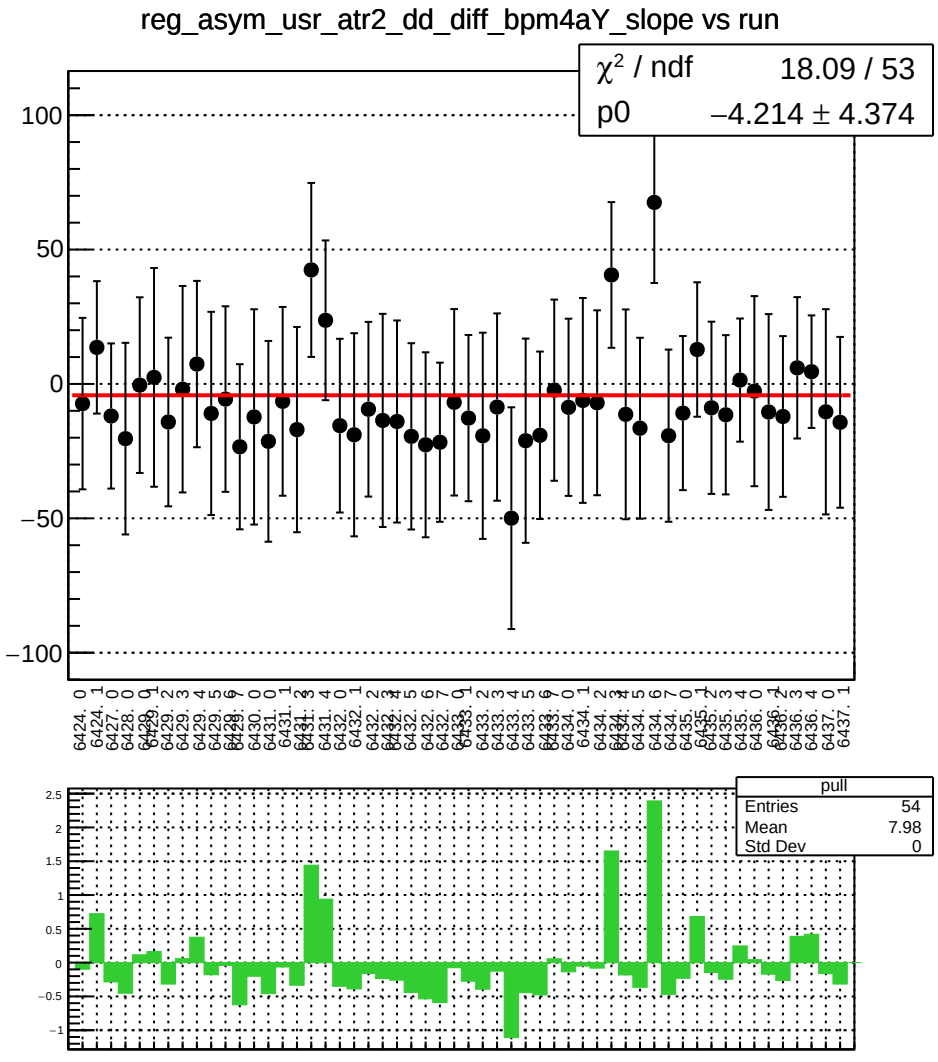

pull1D
Entries 54
Mean 0.02307
Std Dev 0.5843
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

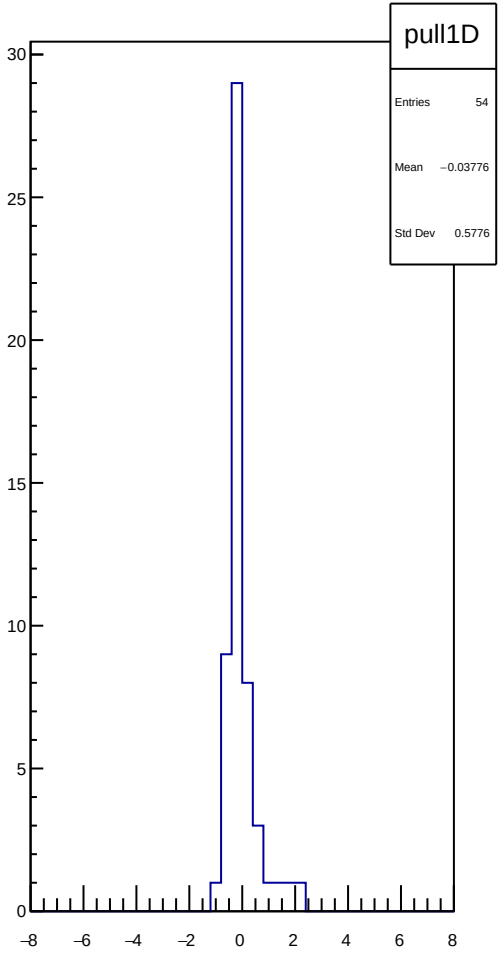

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.17 / 53
p0 388.2 ± 6.471
pull
Entries 54
Mean 92.39
Std Dev 0
pull1D
Entries 54
Mean 0.04375
Std Dev 0.8614

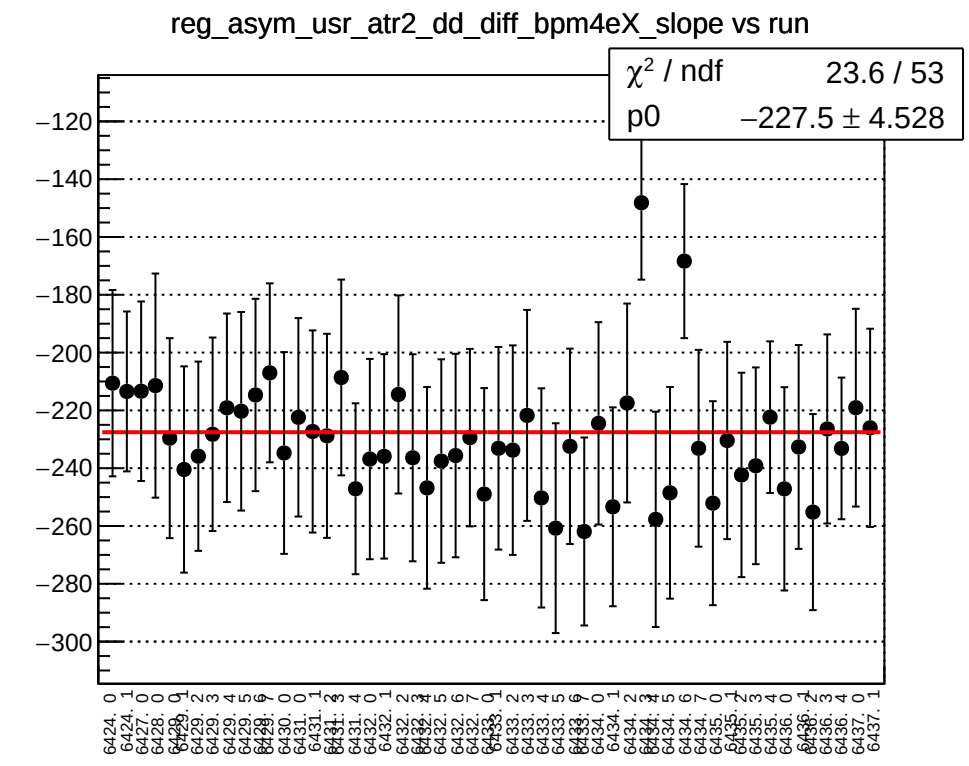

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.17 / 53
p0 64.91 ± 6.37
pull
Entries 54
Mean 36.78
Std Dev 11.23
pull1D
Entries 54
Mean −0.02193
Std Dev 0.5796

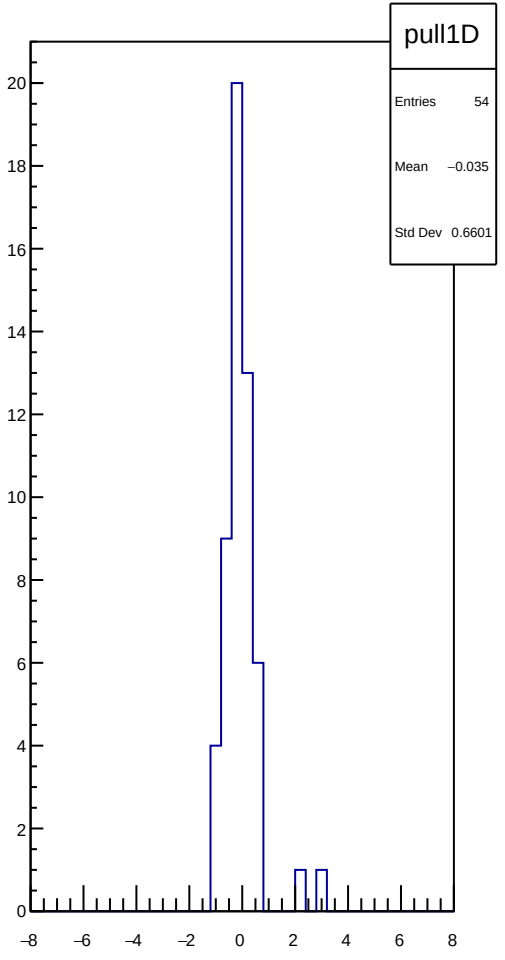

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 48.32 / 53
p0 −158 ± 0.2528
pull
Entries 54
Mean −72.95
Std Dev 0
pull1D
Entries 54
Mean −0.03541
Std Dev 0.9453

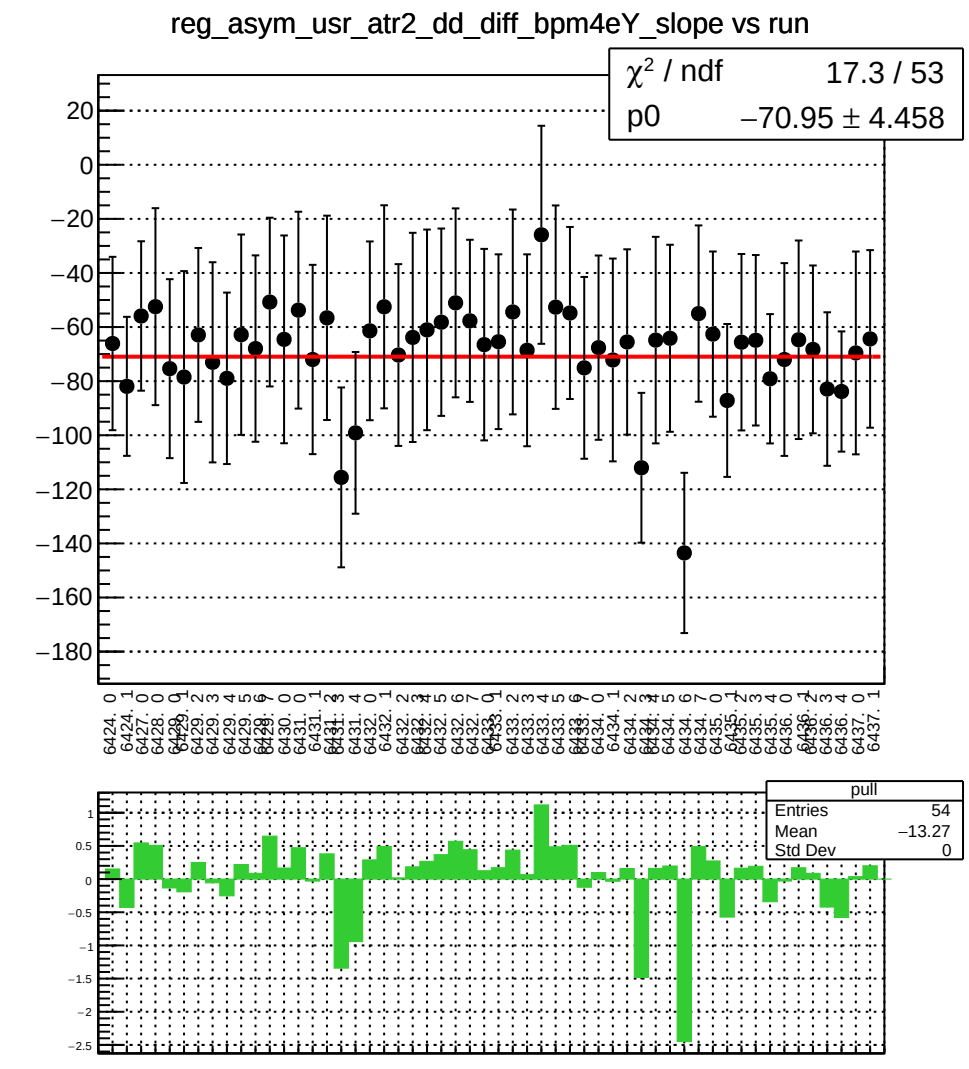

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.34 / 53
p0 189.4 ± 4.332
pull
Entries 54
Mean 64.91
Std Dev 0
pull1D
Entries 54
Mean 0.03487
Std Dev 0.6566

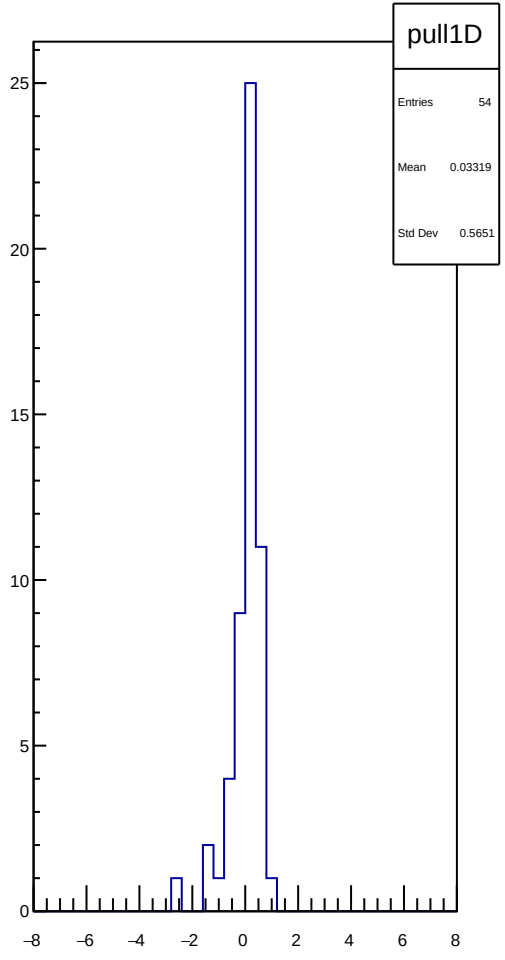

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.09 / 53
p0 −4.214 ± 4.374
pull
Entries 54
Mean 7.98
Std Dev 0

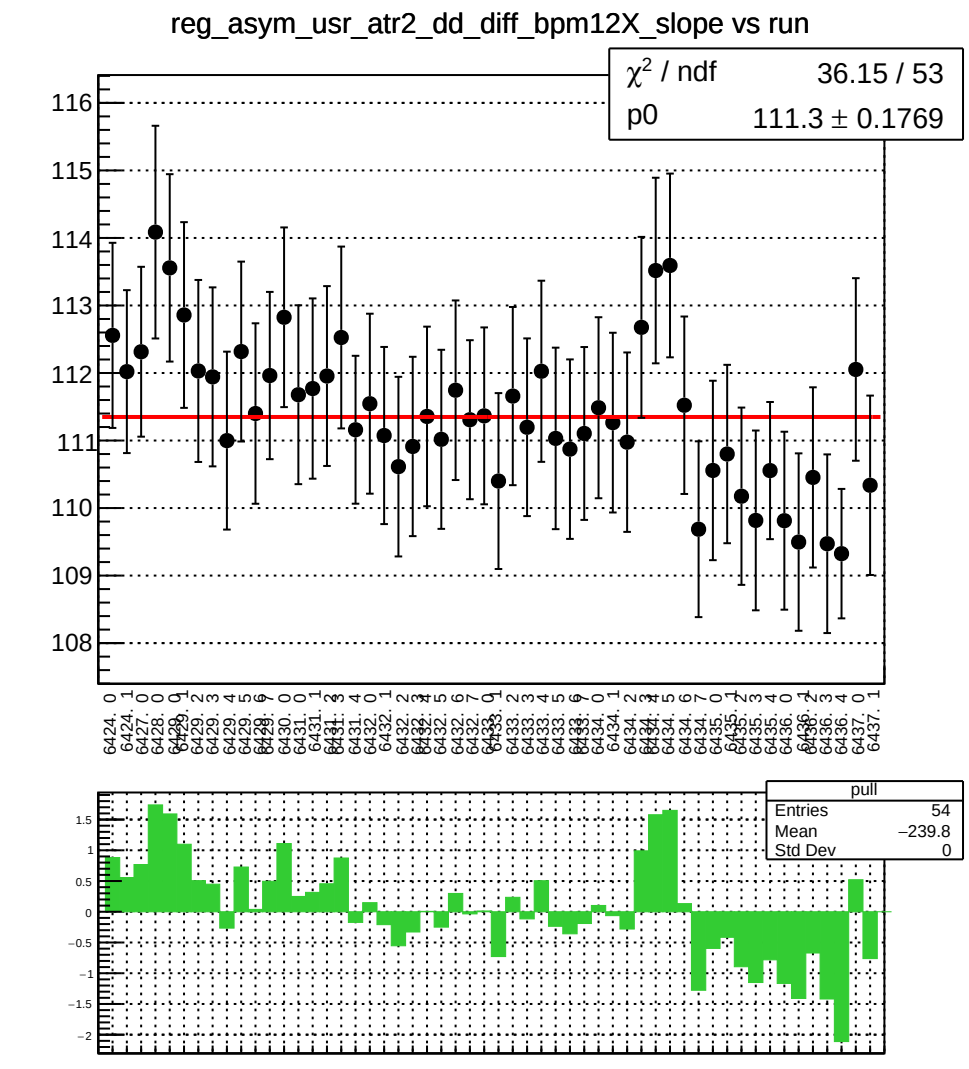

pull1D
Entries 54
Mean −0.03776
Std Dev 0.5776

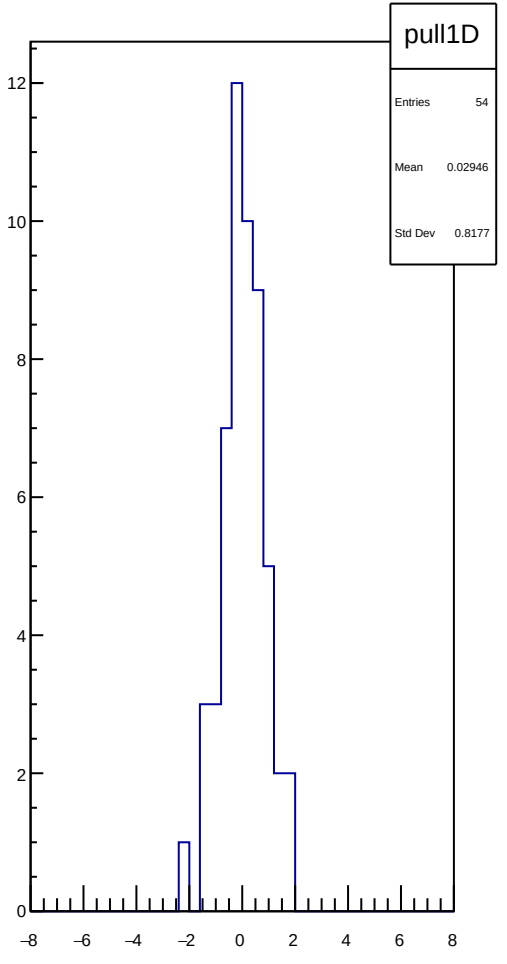

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.6 / 53
p0 −227.5 ± 4.528
pull
Entries 54
Mean 67.04
Std Dev 0

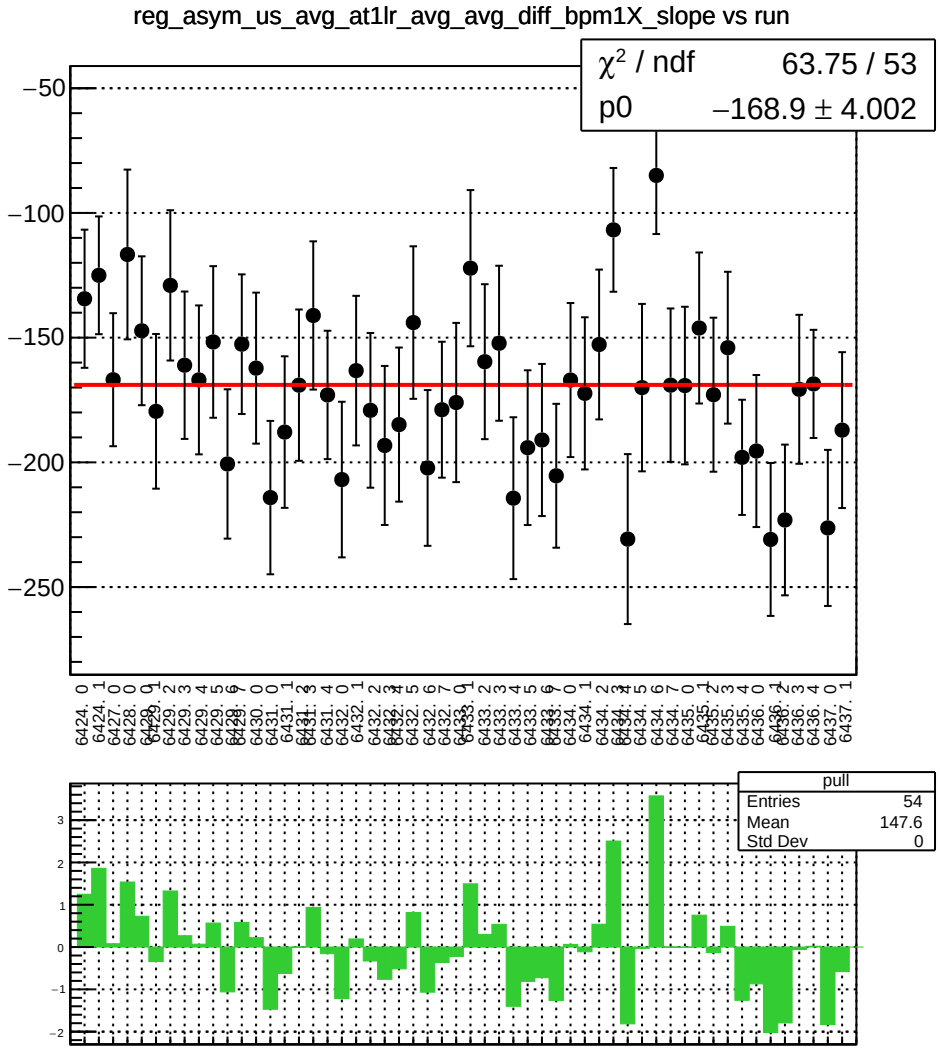

pull1D
Entries 54
Mean −0.035
Std Dev 0.6601

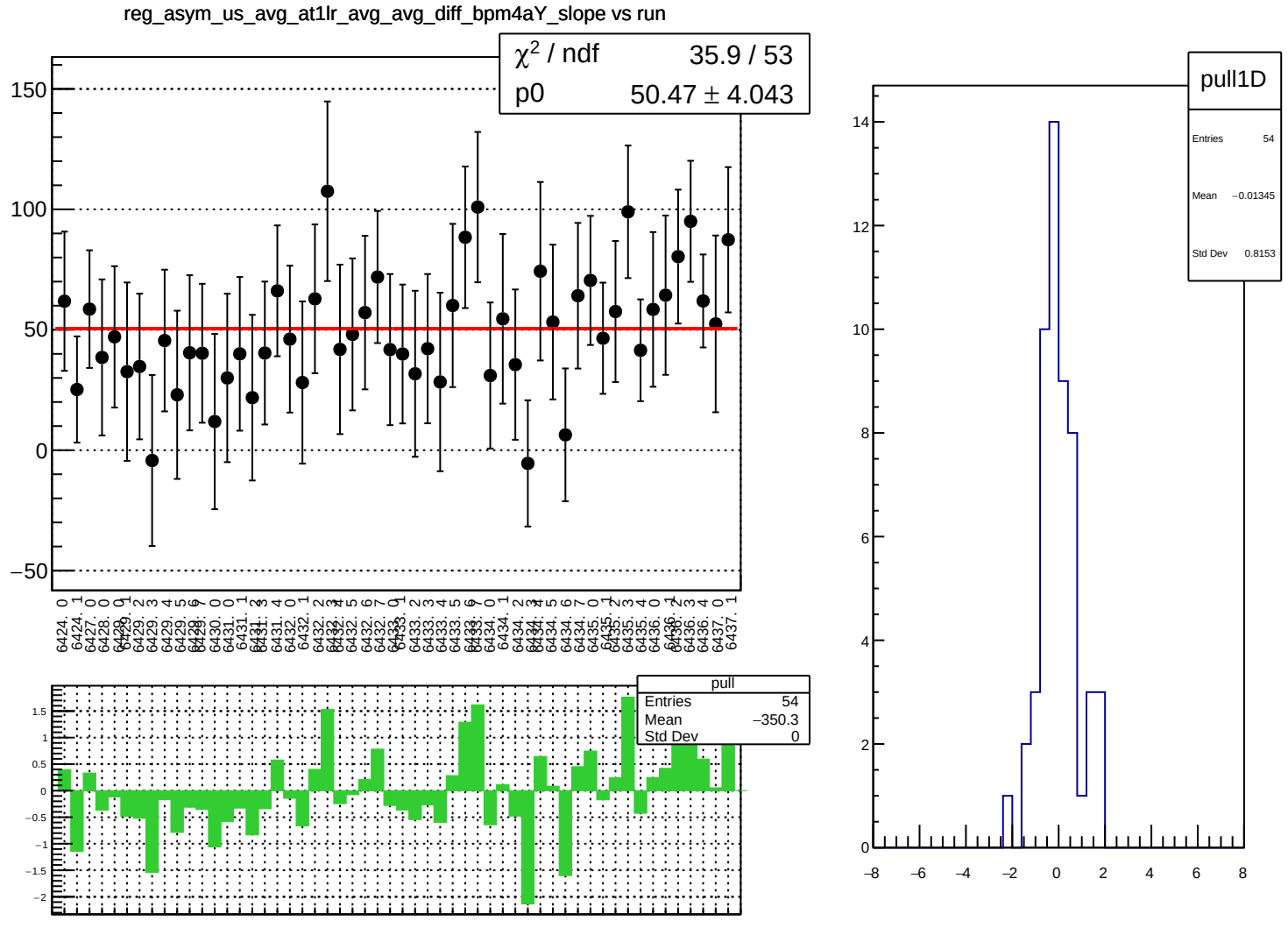

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.3 / 53
p0 −70.95 ± 4.458
pull
Entries 54
Mean −13.27
Std Dev 0

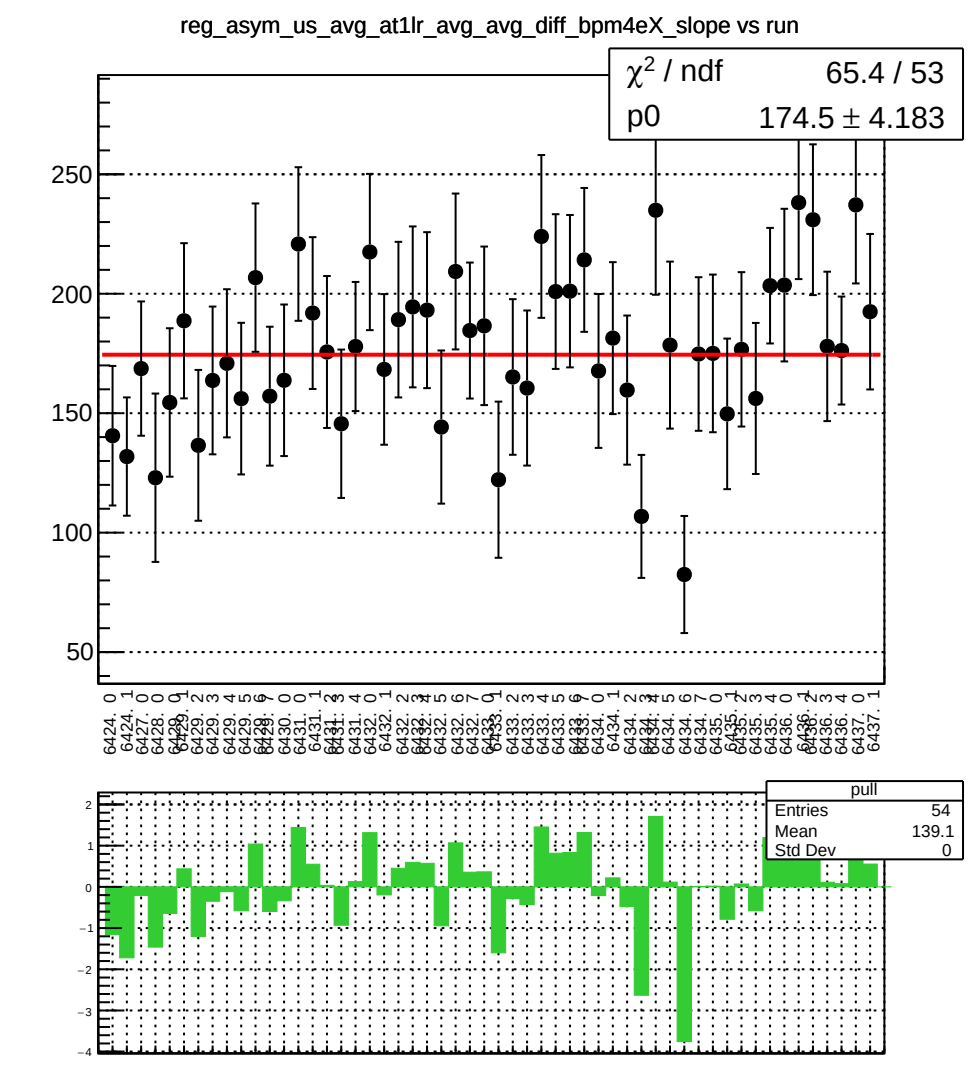

pull1D
Entries 54
Mean 0.03319
Std Dev 0.5651

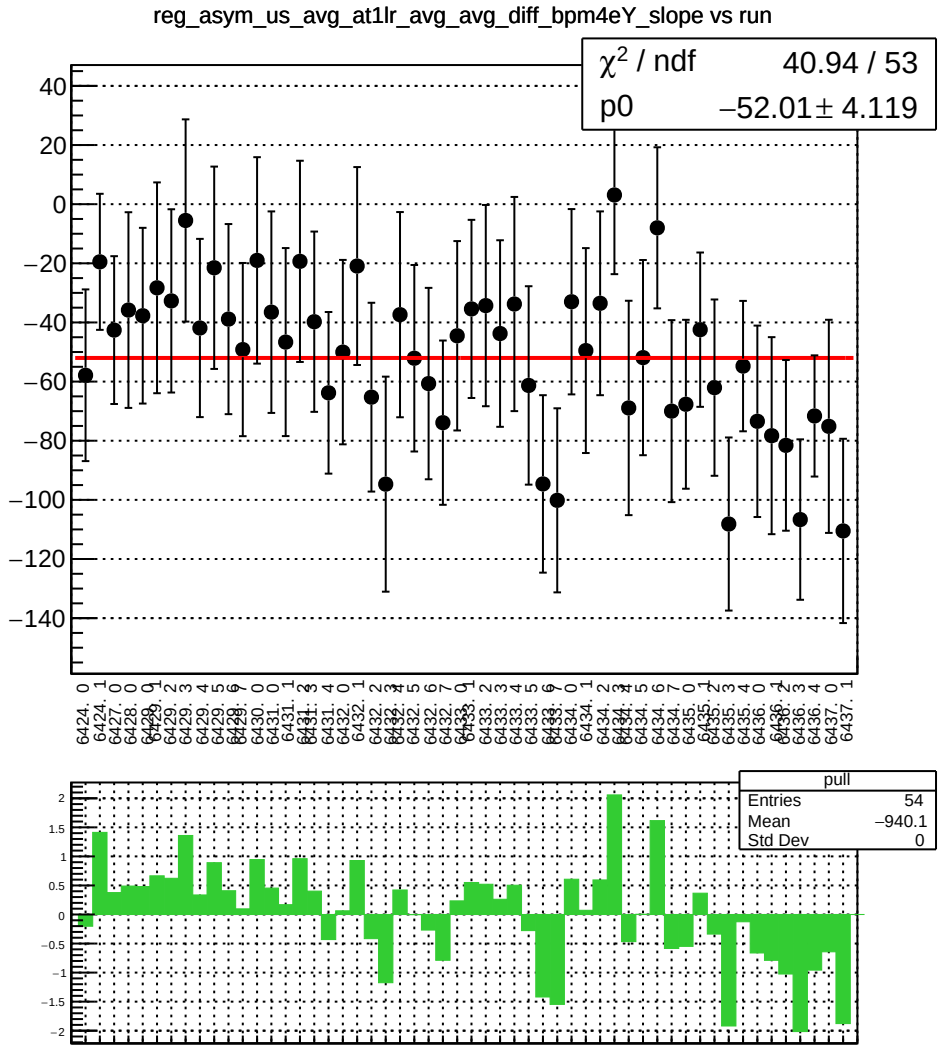

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 36.15 / 53
p0 111.3 ± 0.1769
pull
Entries 54
Mean −239.8
Std Dev 0

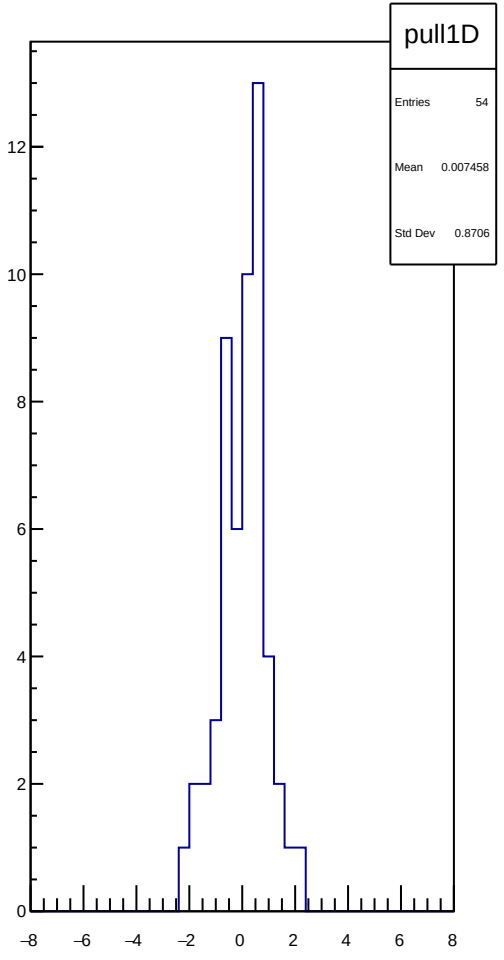

pull1D
Entries 54
Mean 0.02946
Std Dev 0.8177

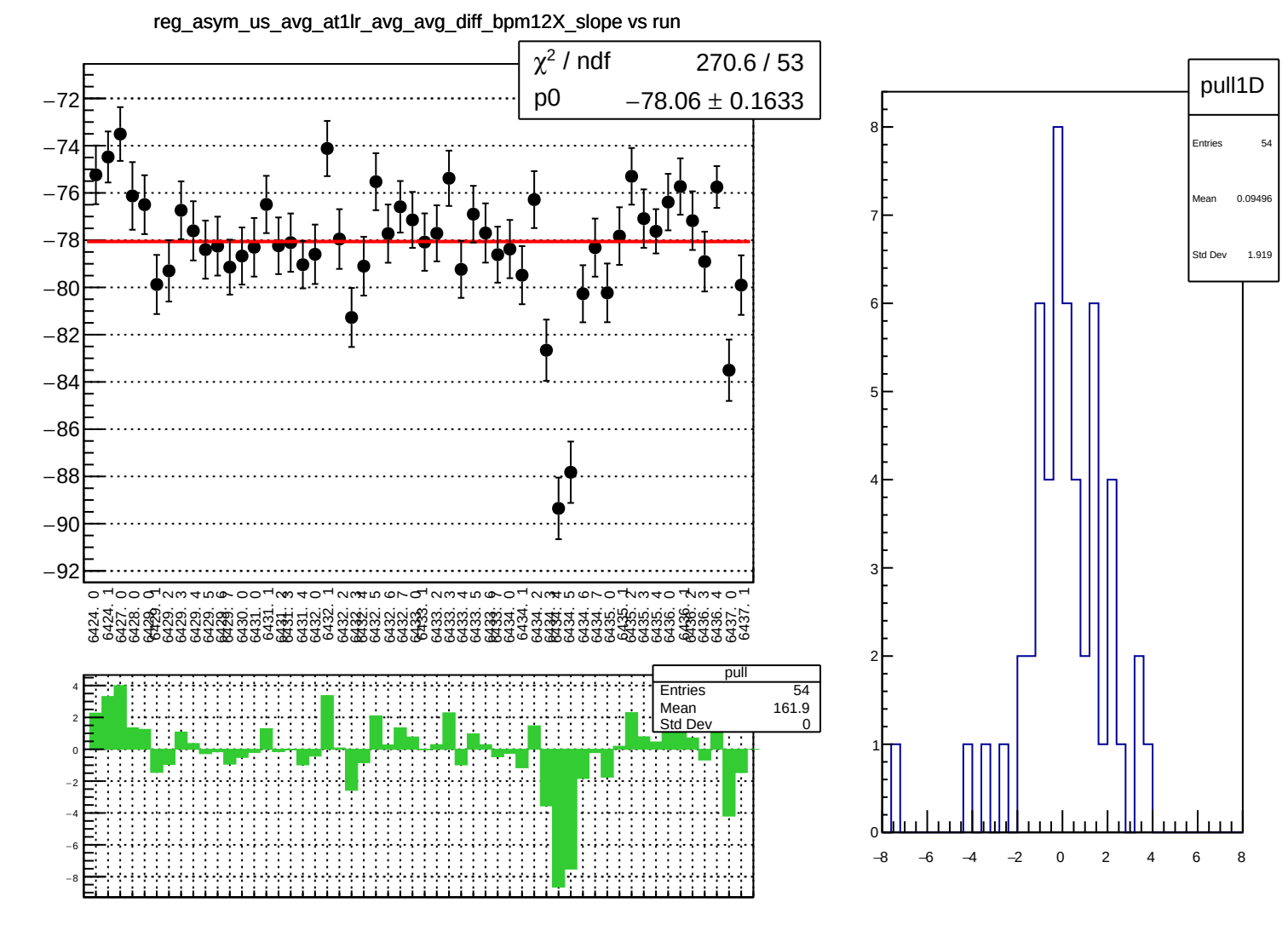

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 63.75 / 53
p0 −168.9 ± 4.002
pull
Entries 54
Mean 147.6
Std Dev 0
pull1D
Entries 54
Mean −0.03976
Std Dev 1.086

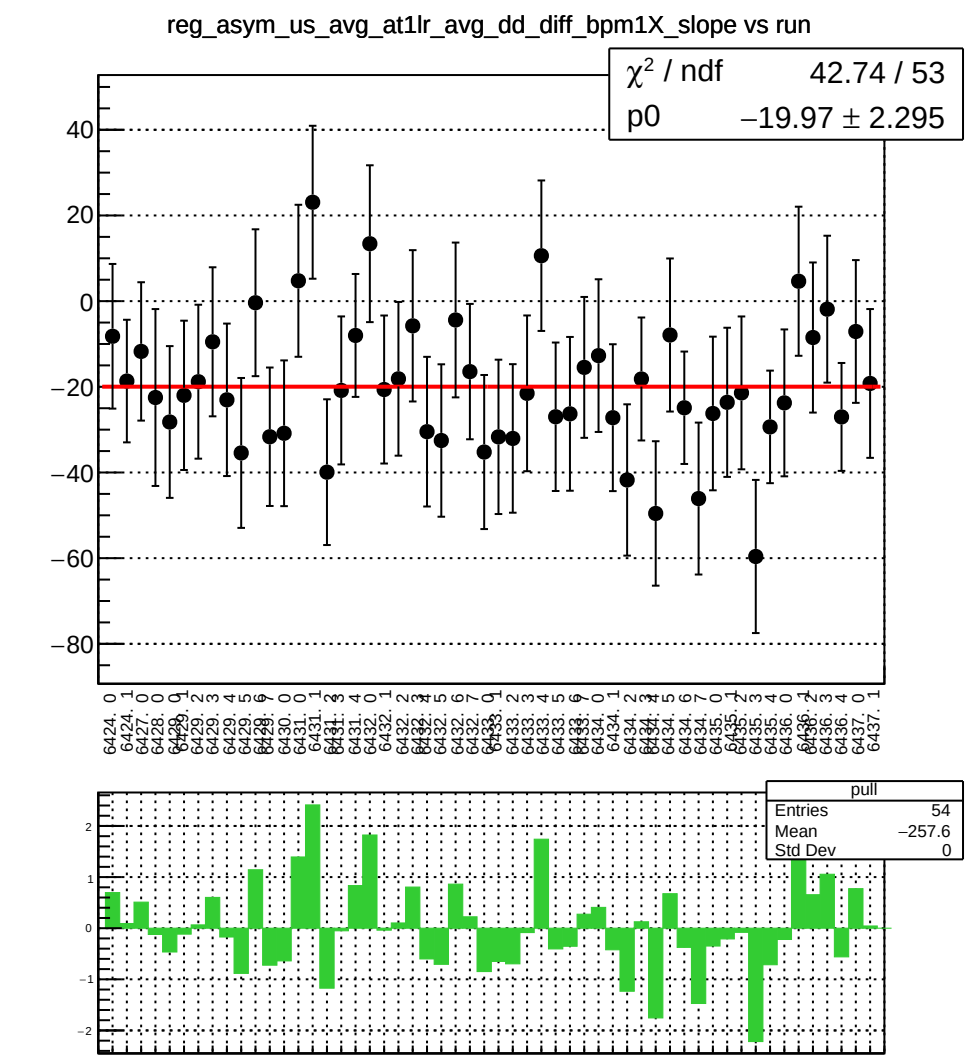

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.9 / 53
p0 50.47 ± 4.043
150
100
50
0
−50
pull
Entries 54
Mean −350.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 54
Mean −0.01345
Std Dev 0.8153
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

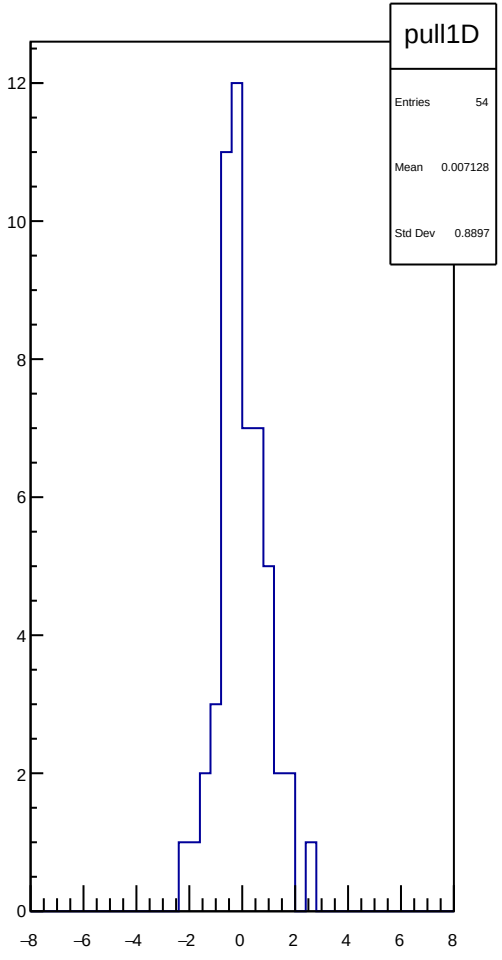

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.4 / 53
p0 174.5 ± 4.183
250
200
150
100
50
6424. 0
6424. 1
6427. 0
6428. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6431. 0
6431. 1
6431. 3
6431. 4
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
pull
Entries 54
Mean 139.1
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 54
Mean 0.04164
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

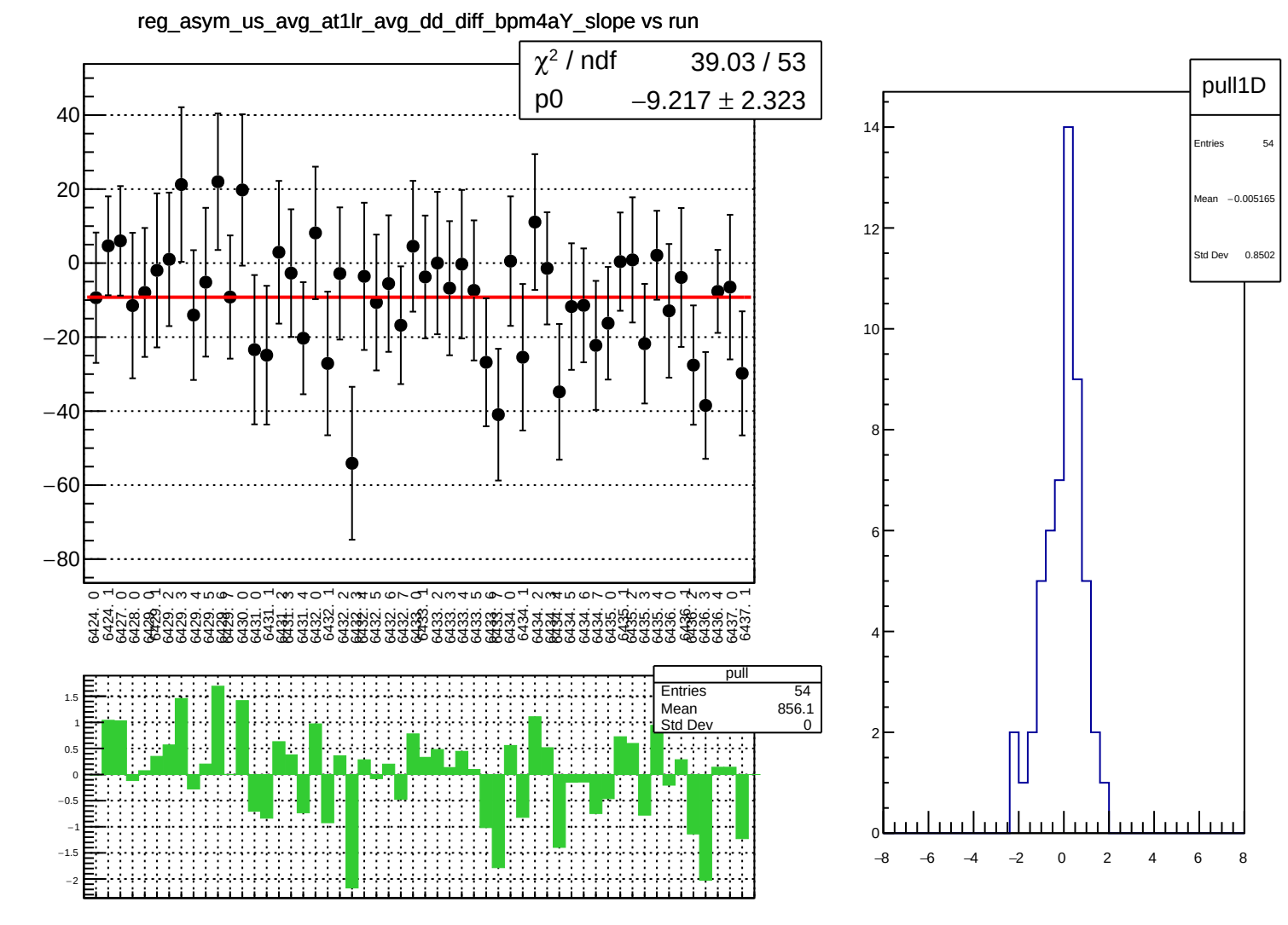

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.94 / 53
p0 −52.01 ± 4.119
pull
Entries 54
Mean −940.1
Std Dev 0

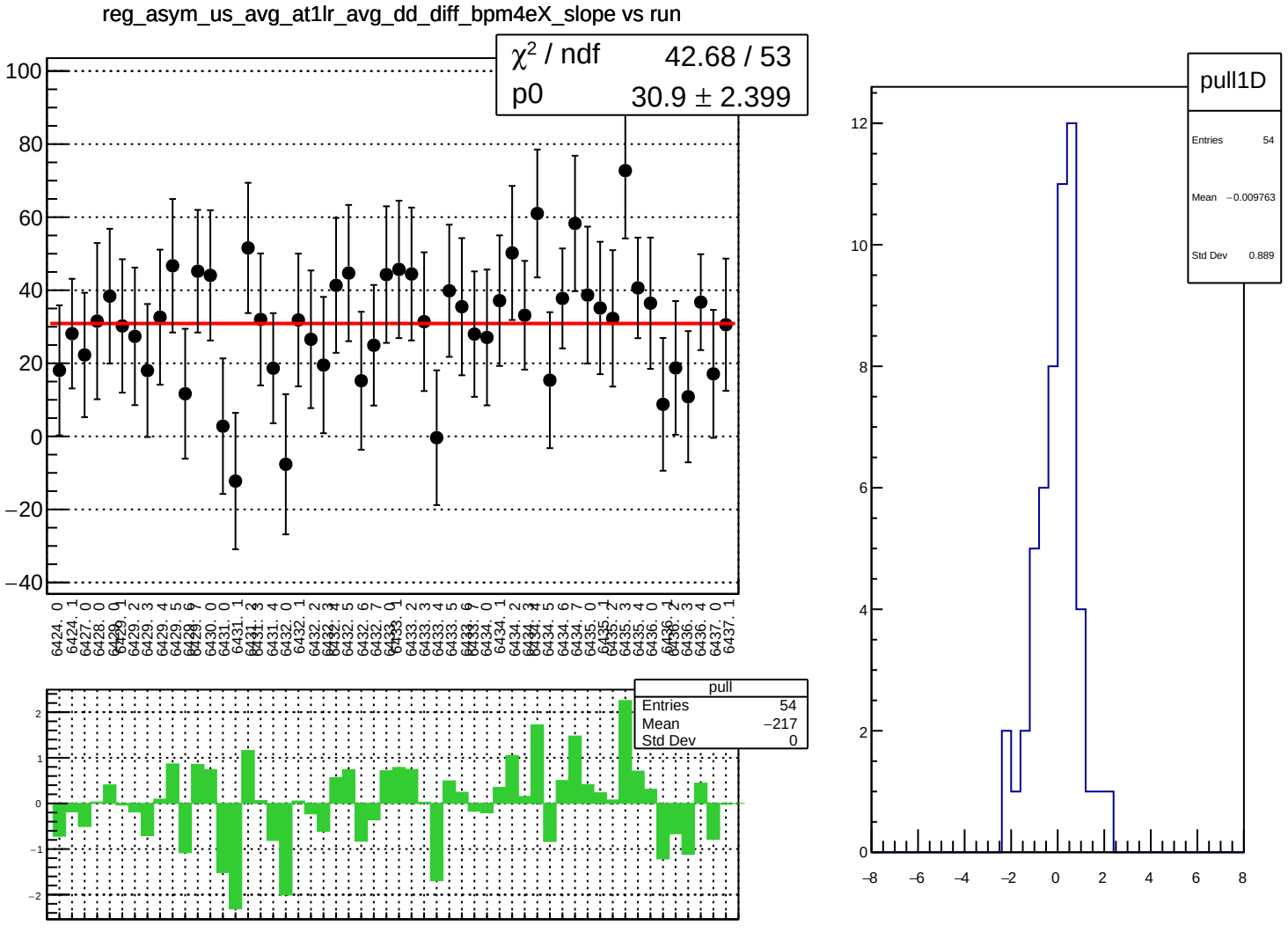

pull1D
Entries 54
Mean 0.007458
Std Dev 0.8706

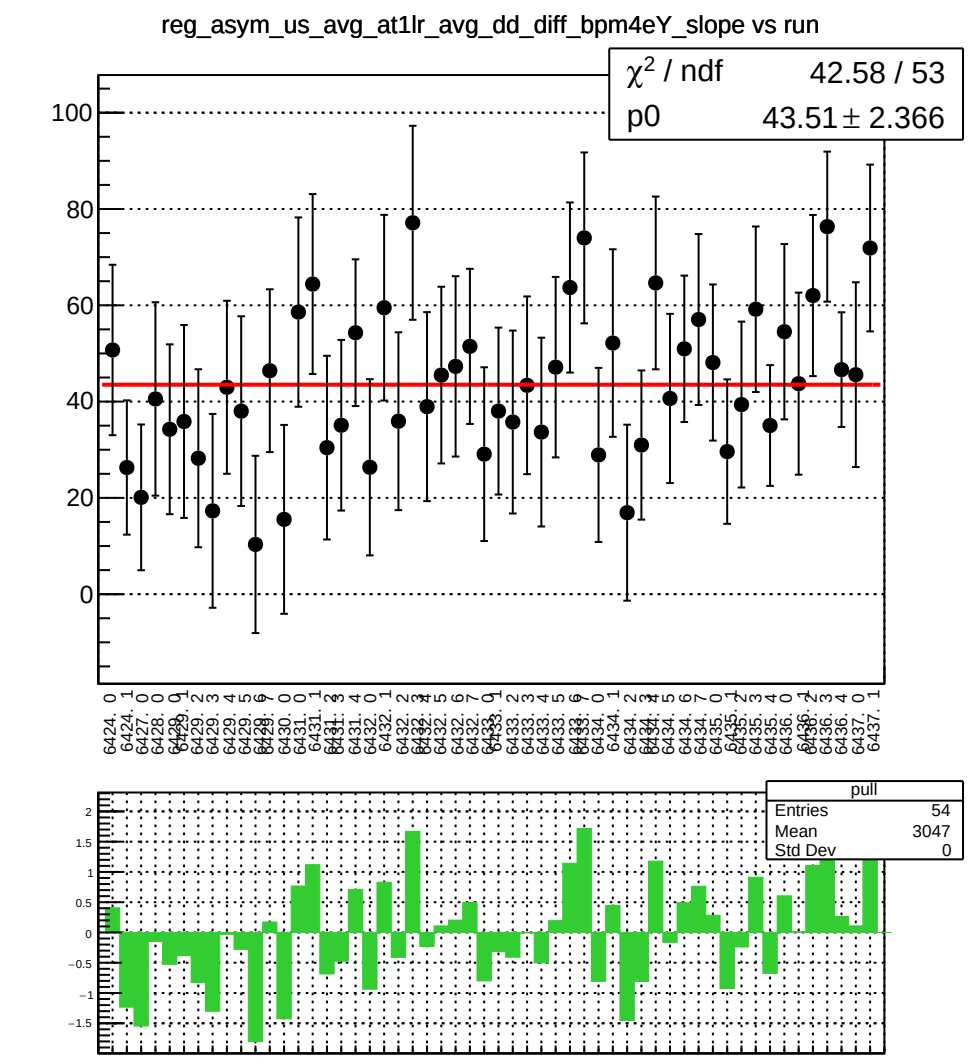

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 270.6 / 53
p0 −78.06 ± 0.1633
pull
Entries 54
Mean 161.9
Std Dev 0
pull1D
Entries 54
Mean 0.09496
Std Dev 1.919

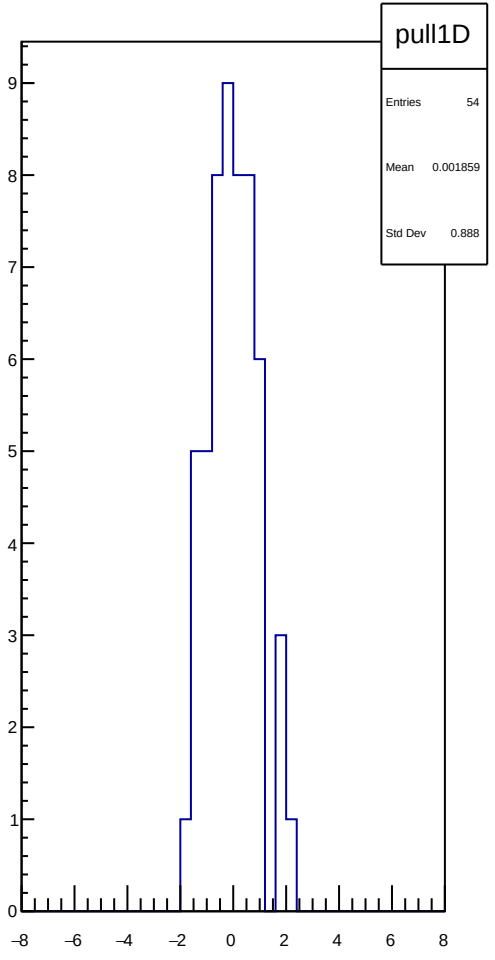

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 42.74 / 53
p0 −19.97 ± 2.295
pull
Entries 54
Mean −257.6
Std Dev 0

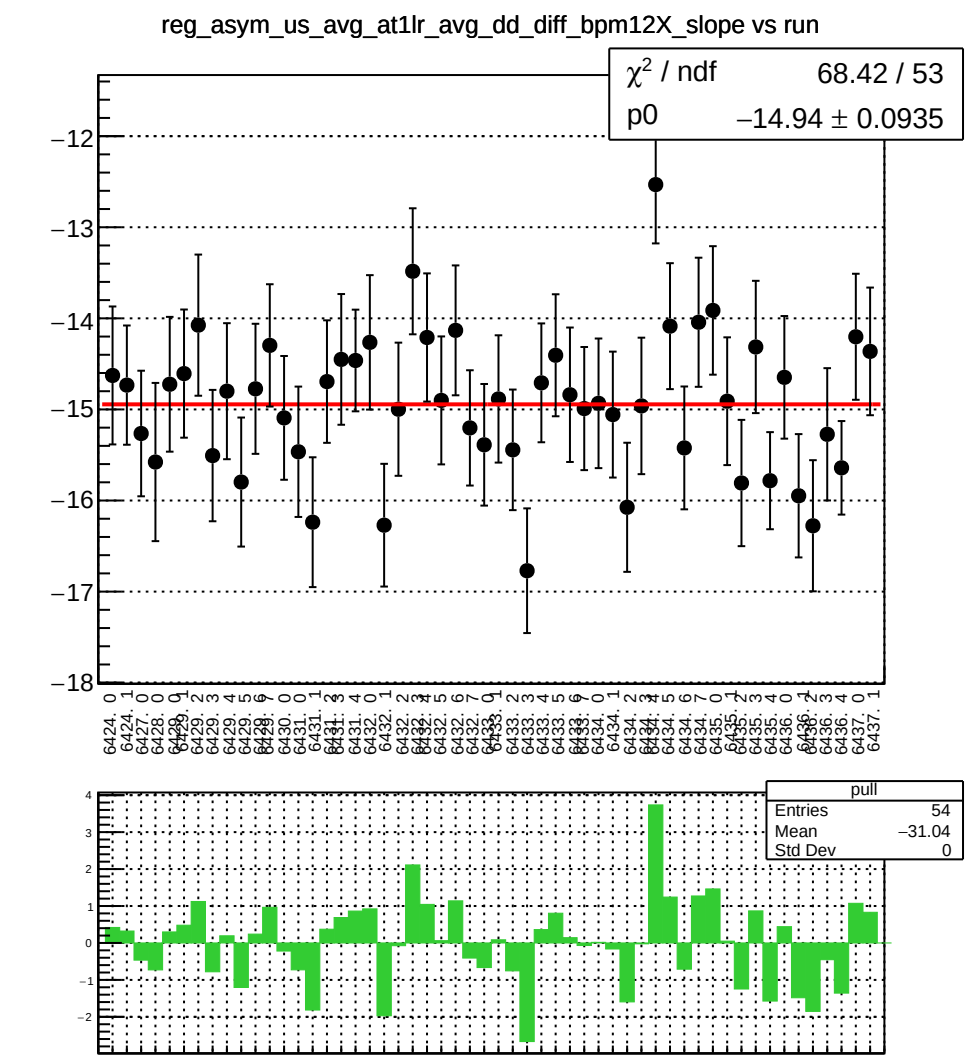

pull1D
Entries 54
Mean 0.007128
Std Dev 0.8897

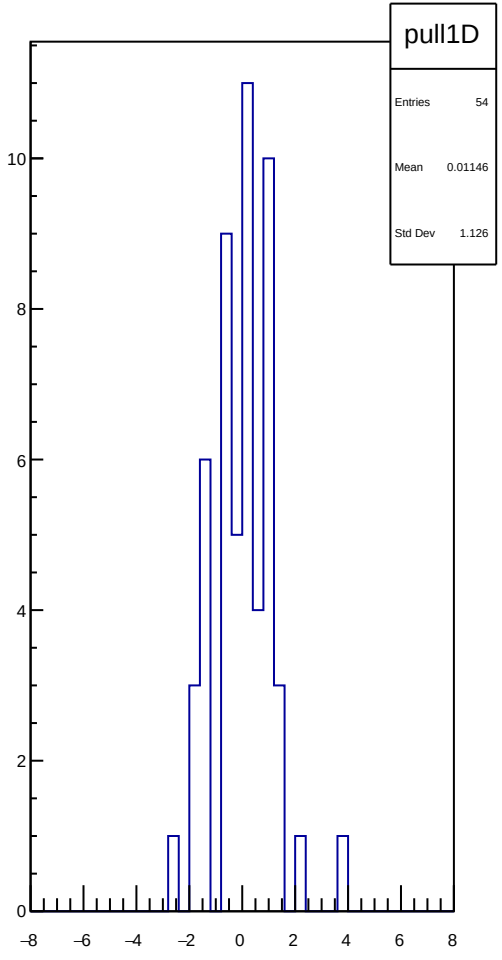

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.03 / 53
p0 −9.217 ± 2.323
pull
Entries 54
Mean 856.1
Std Dev 0
pull1D
Entries 54
Mean −0.005165
Std Dev 0.8502

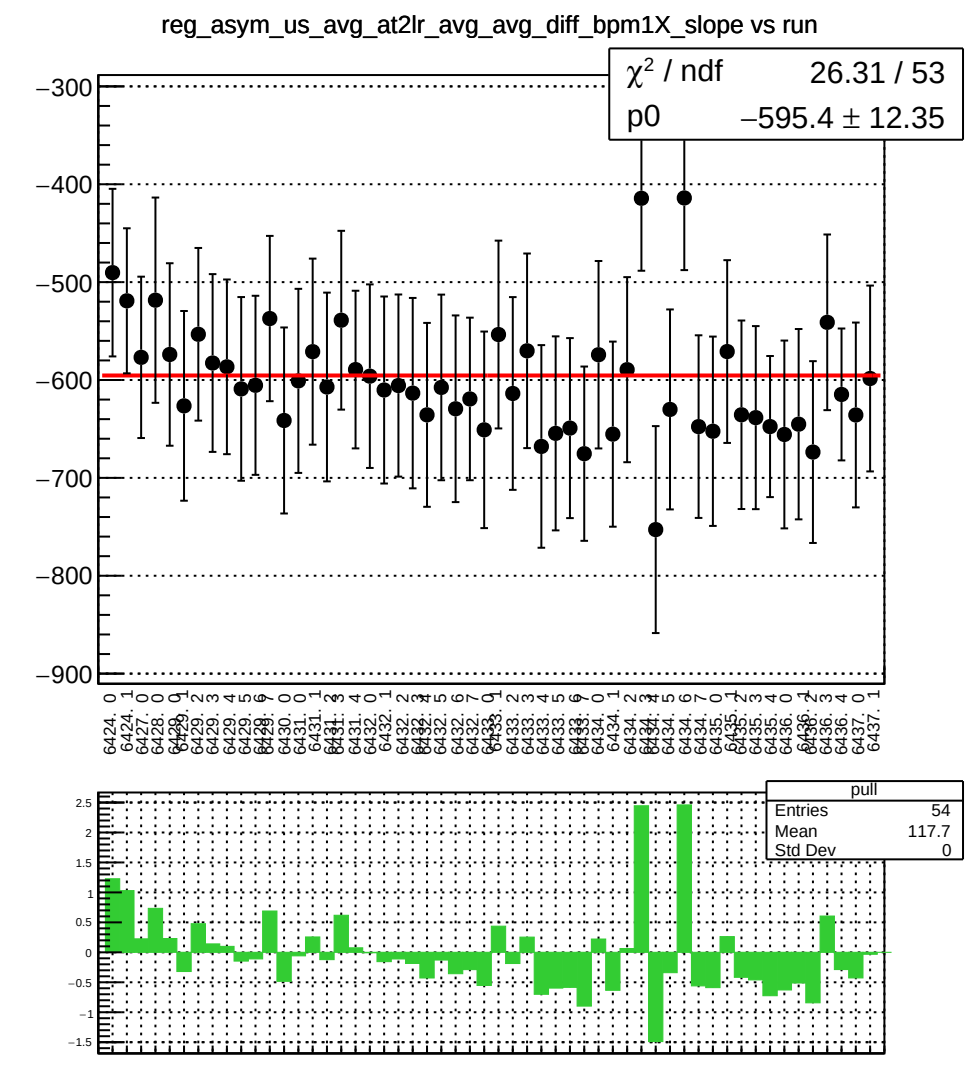

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.68 / 53
p0 30.9 ± 2.399
pull
Entries 54
Mean −217
Std Dev 0
pull1D
Entries 54
Mean −0.009763
Std Dev 0.889

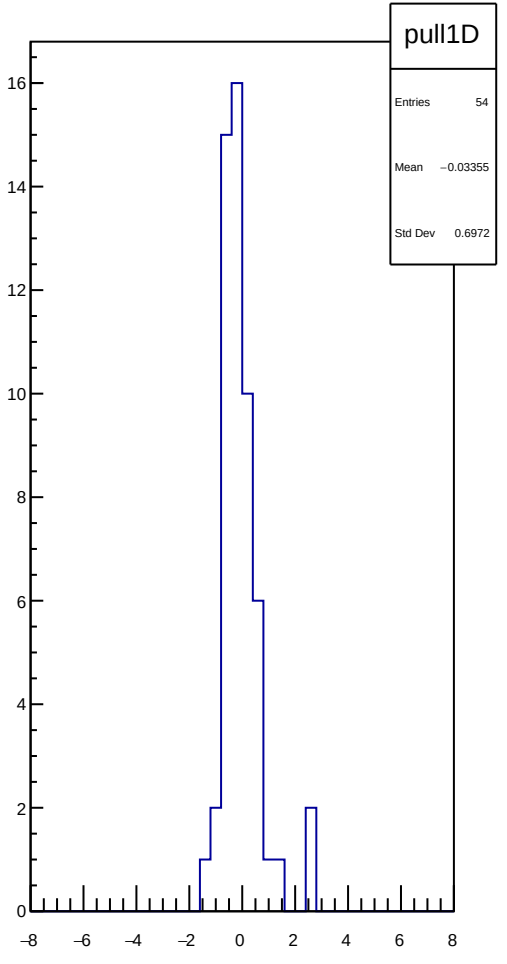

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.58 / 53
p0 43.51 ± 2.366
pull
Entries 54
Mean 3047
Std Dev 0

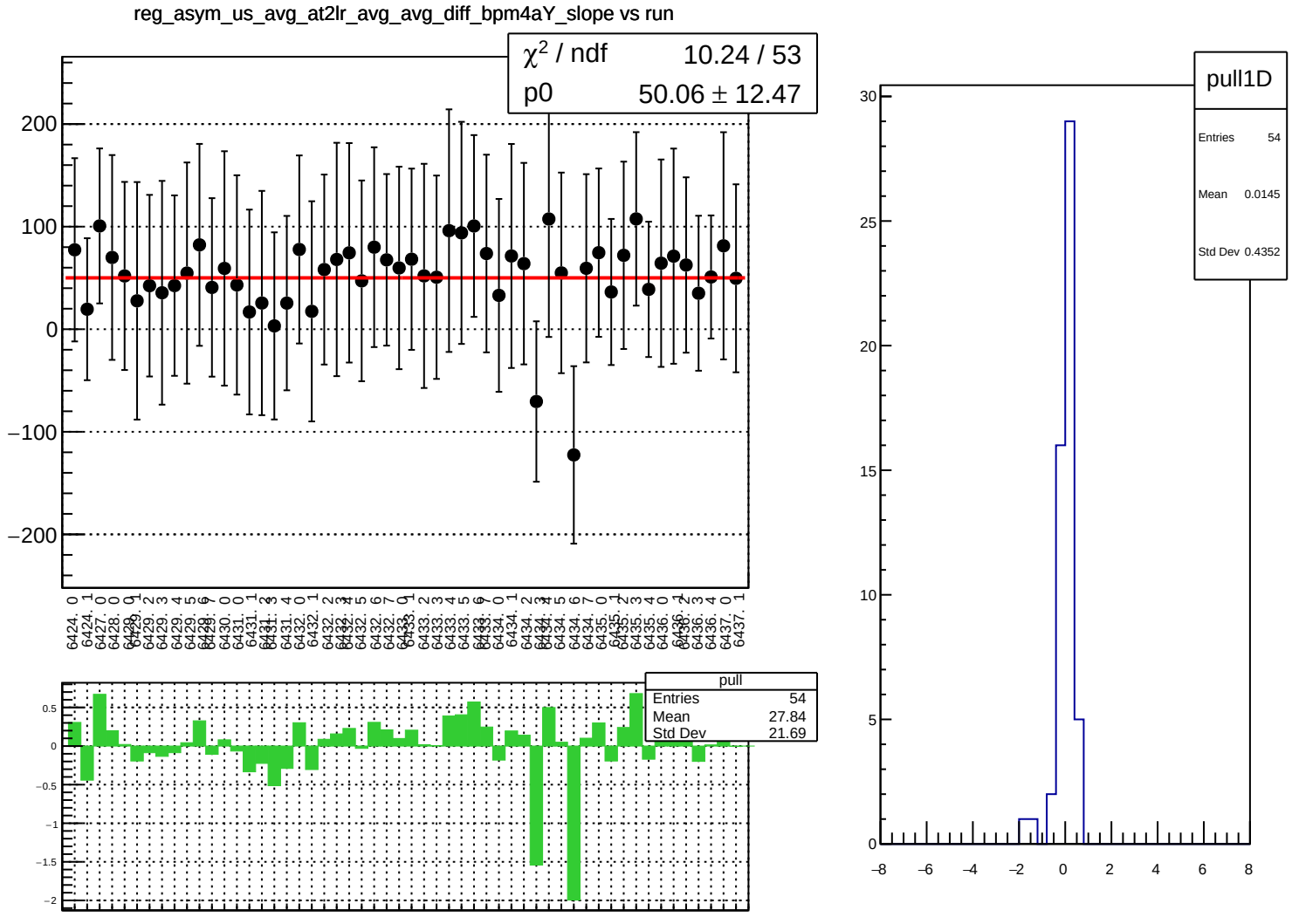

pull1D
Entries 54
Mean 0.001859
Std Dev 0.888

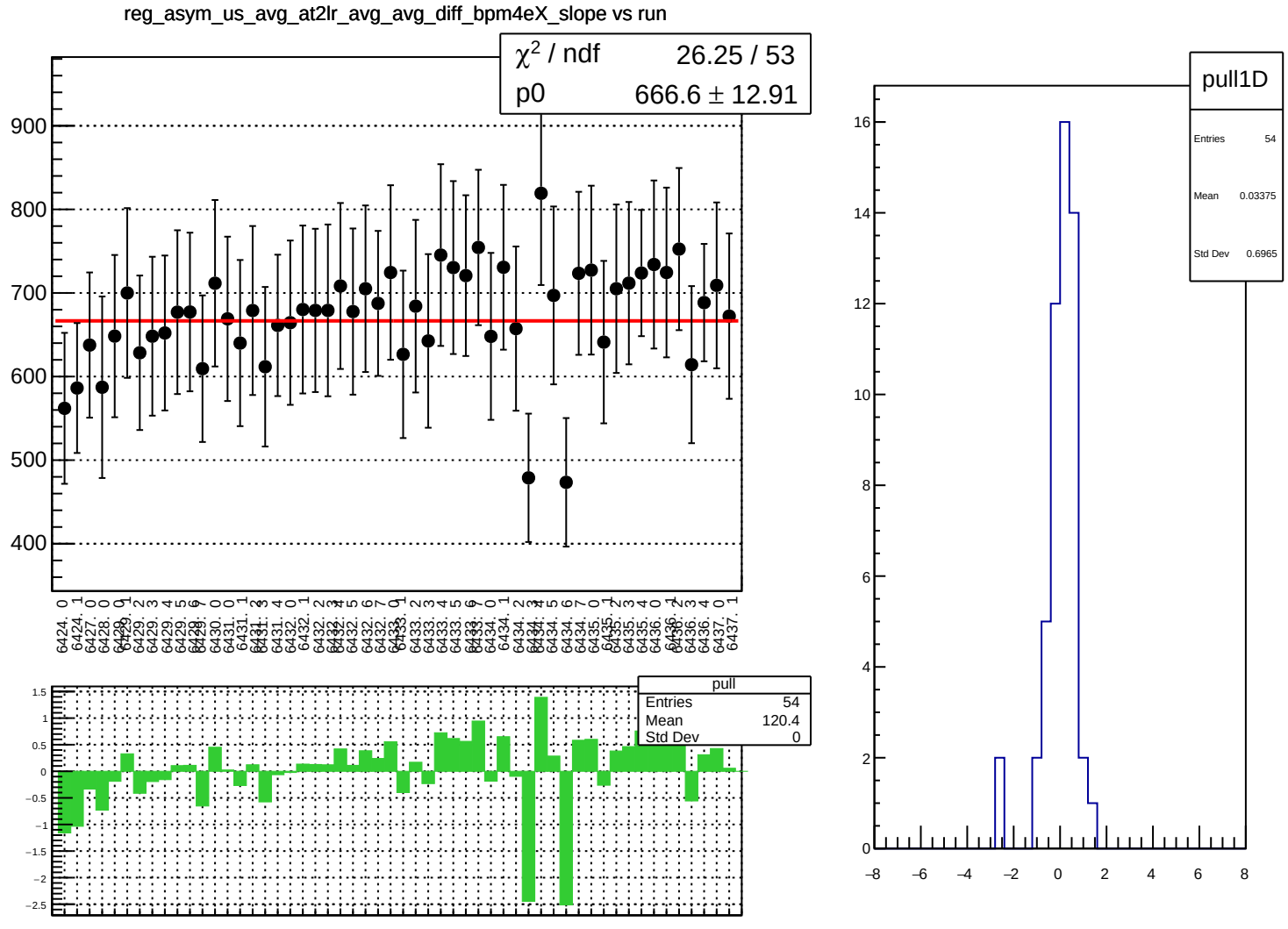

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 68.42 / 53
p0 −14.94 ± 0.0935
pull
Entries 54
Mean −31.04
Std Dev 0

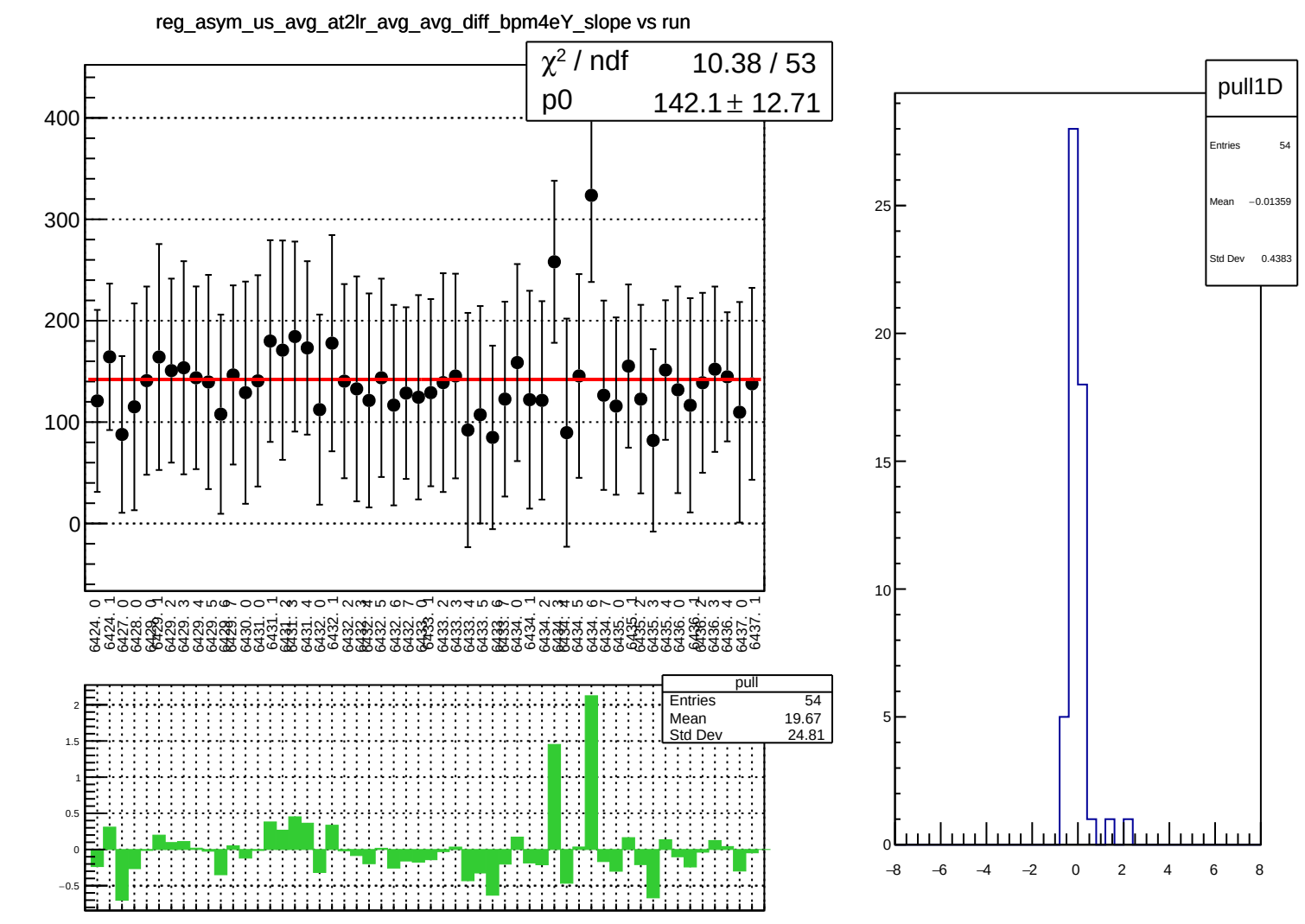

pull1D
Entries 54
Mean 0.01146
Std Dev 1.126

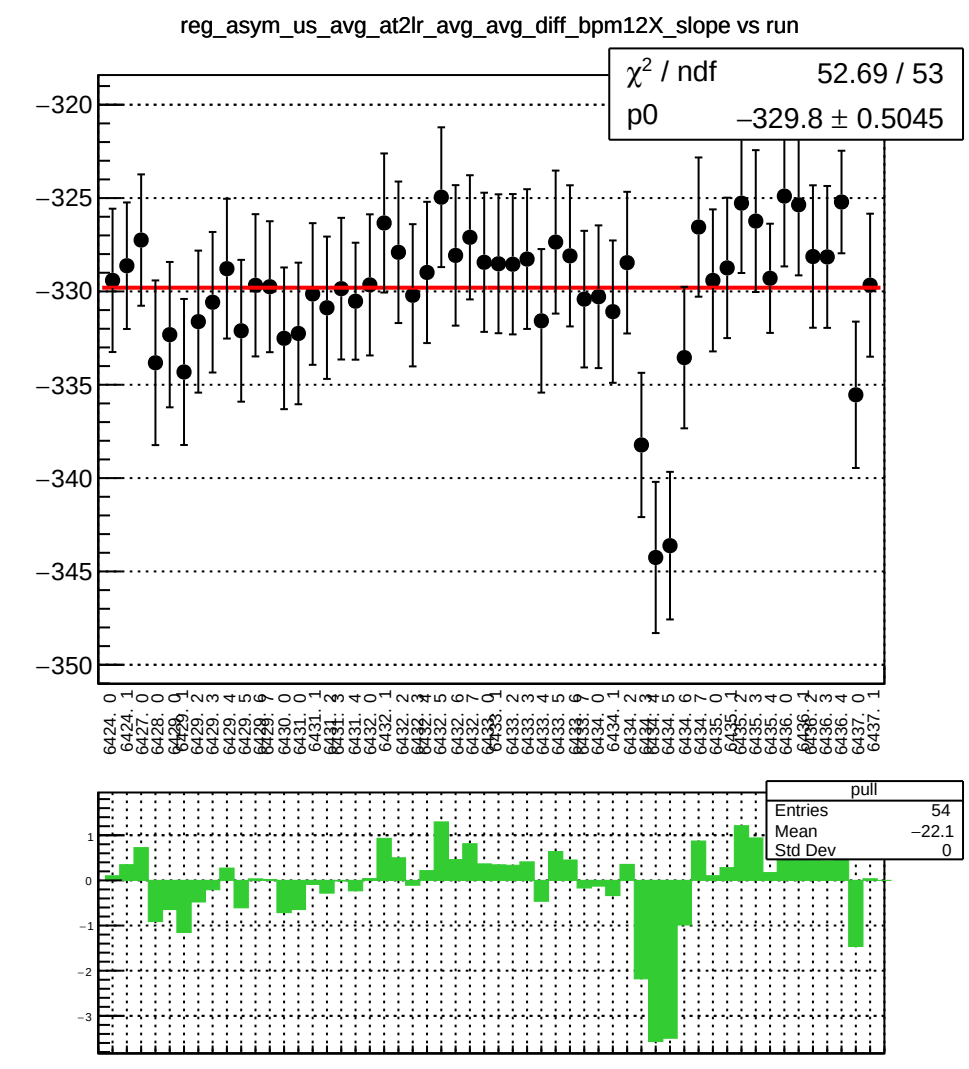

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 26.31 / 53
p0 −595.4 ± 12.35
pull
Entries 54
Mean 117.7
Std Dev 0

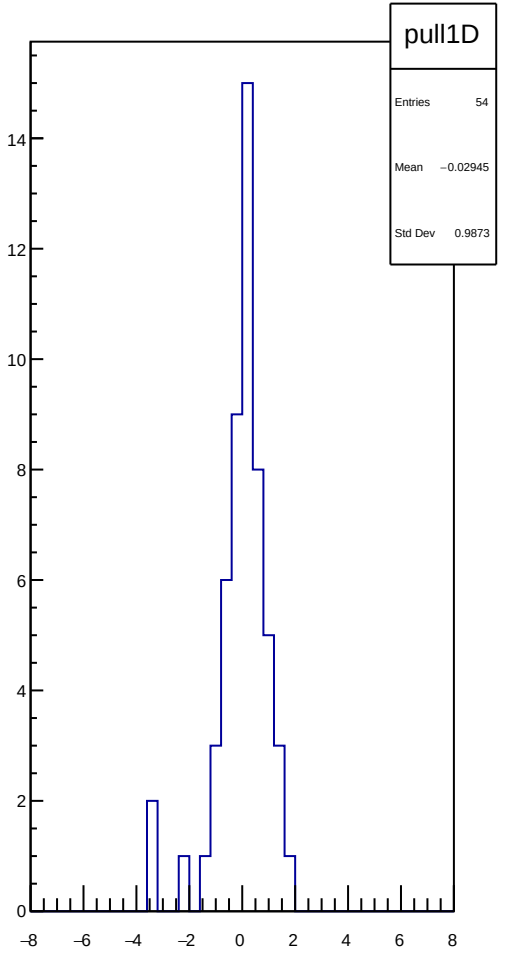

pull1D
Entries 54
Mean −0.03355
Std Dev 0.6972

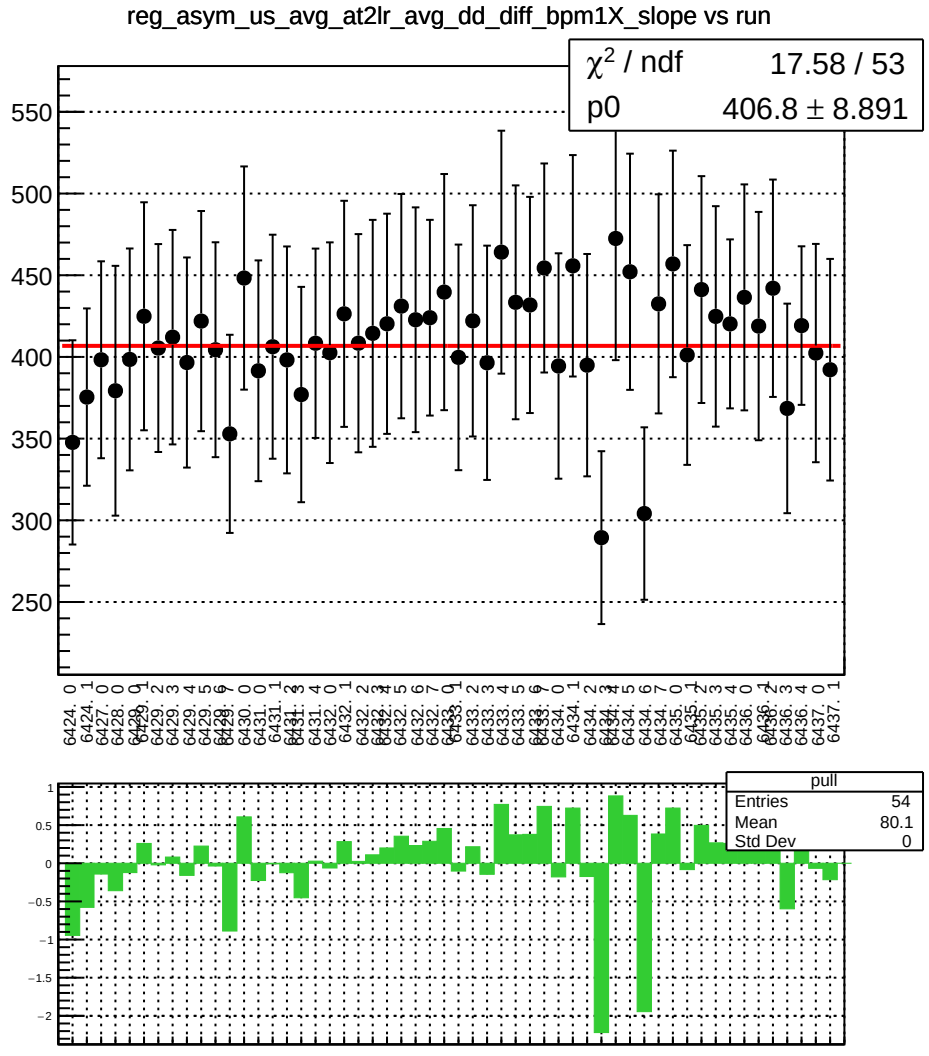

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.24 / 53
p0 50.06 ± 12.47
pull
Entries 54
Mean 27.84
Std Dev 21.69
pull1D
Entries 54
Mean 0.0145
Std Dev 0.4352

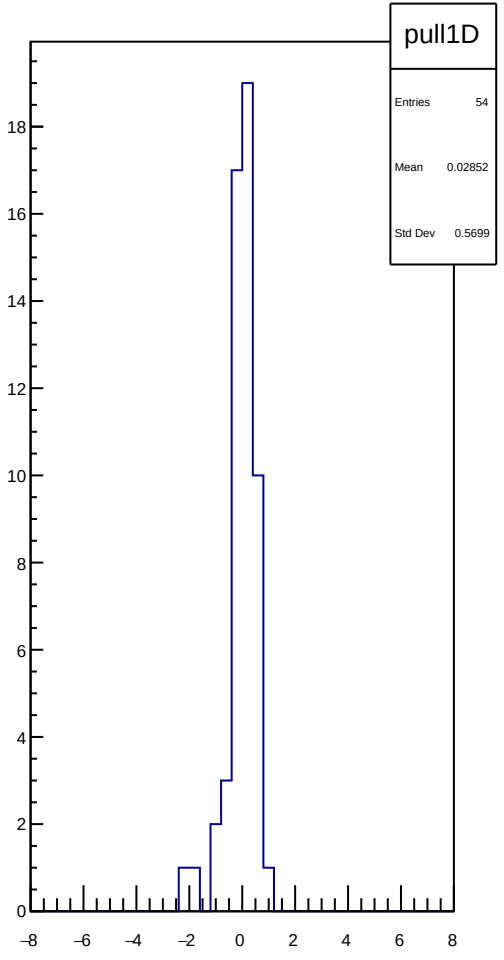

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.25 / 53
p0 666.6 ± 12.91
pull
Entries 54
Mean 120.4
Std Dev 0
pull1D
Entries 54
Mean 0.03375
Std Dev 0.6965

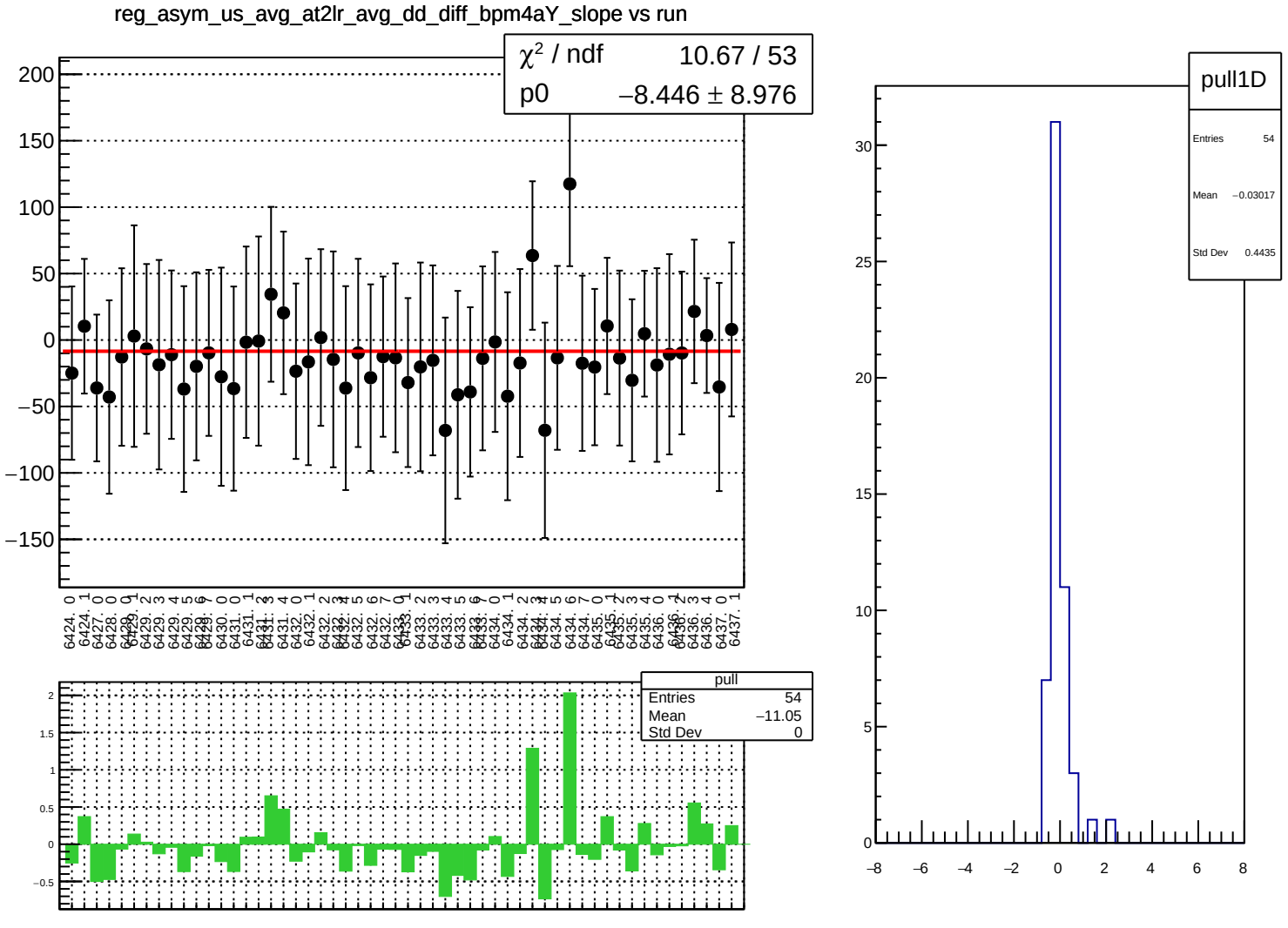

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.38 / 53
p0 142.1 ± 12.71
pull
Entries 54
Mean 19.67
Std Dev 24.81
pull1D
Entries 54
Mean −0.01359
Std Dev 0.4383

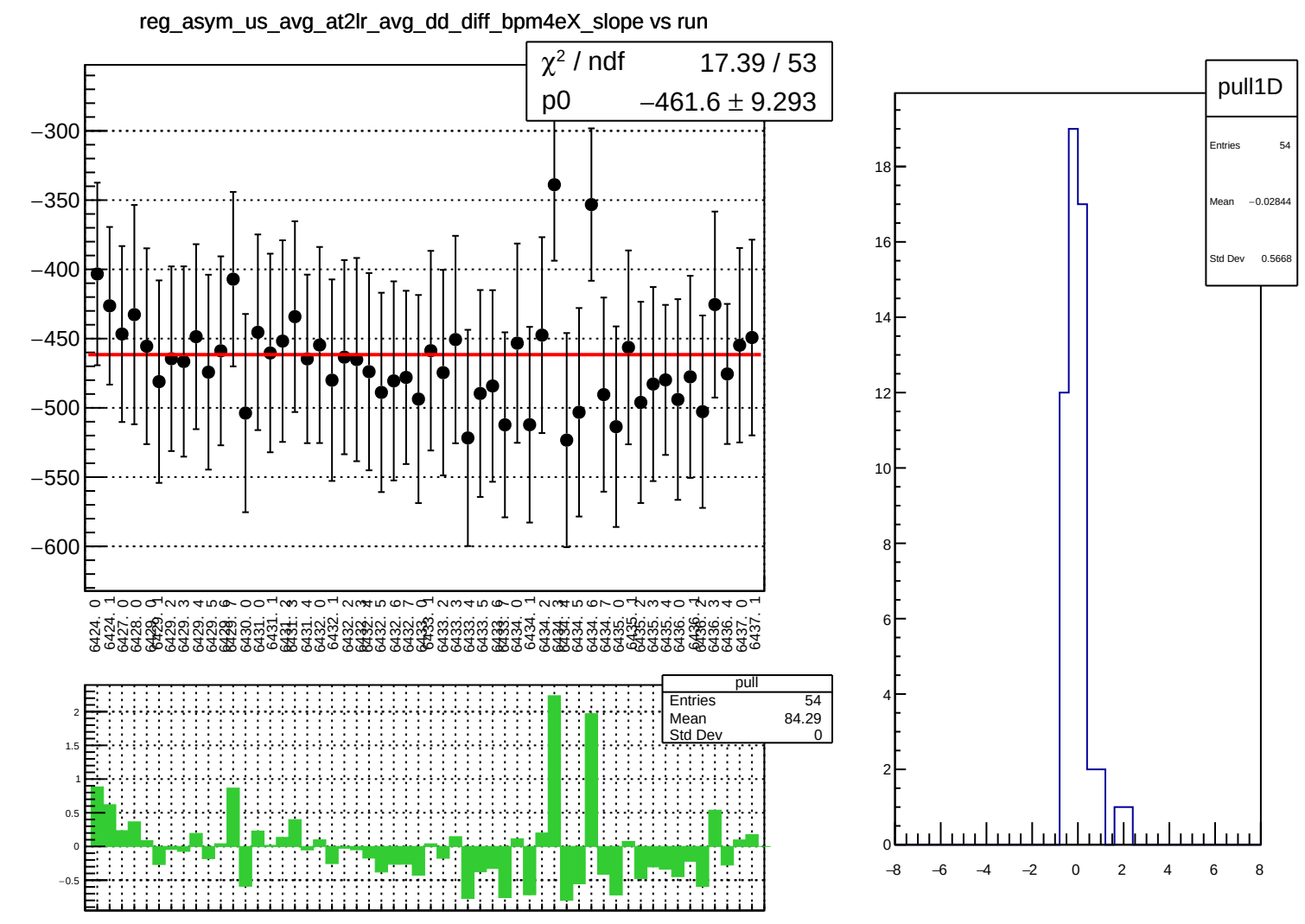

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 52.69 / 53
p0 −329.8 ± 0.5045
−320
−325
−330
−335
−340
−345
−350
pull
Entries 54
Mean −22.1
Std Dev 0
1
0
−1
−2
−3

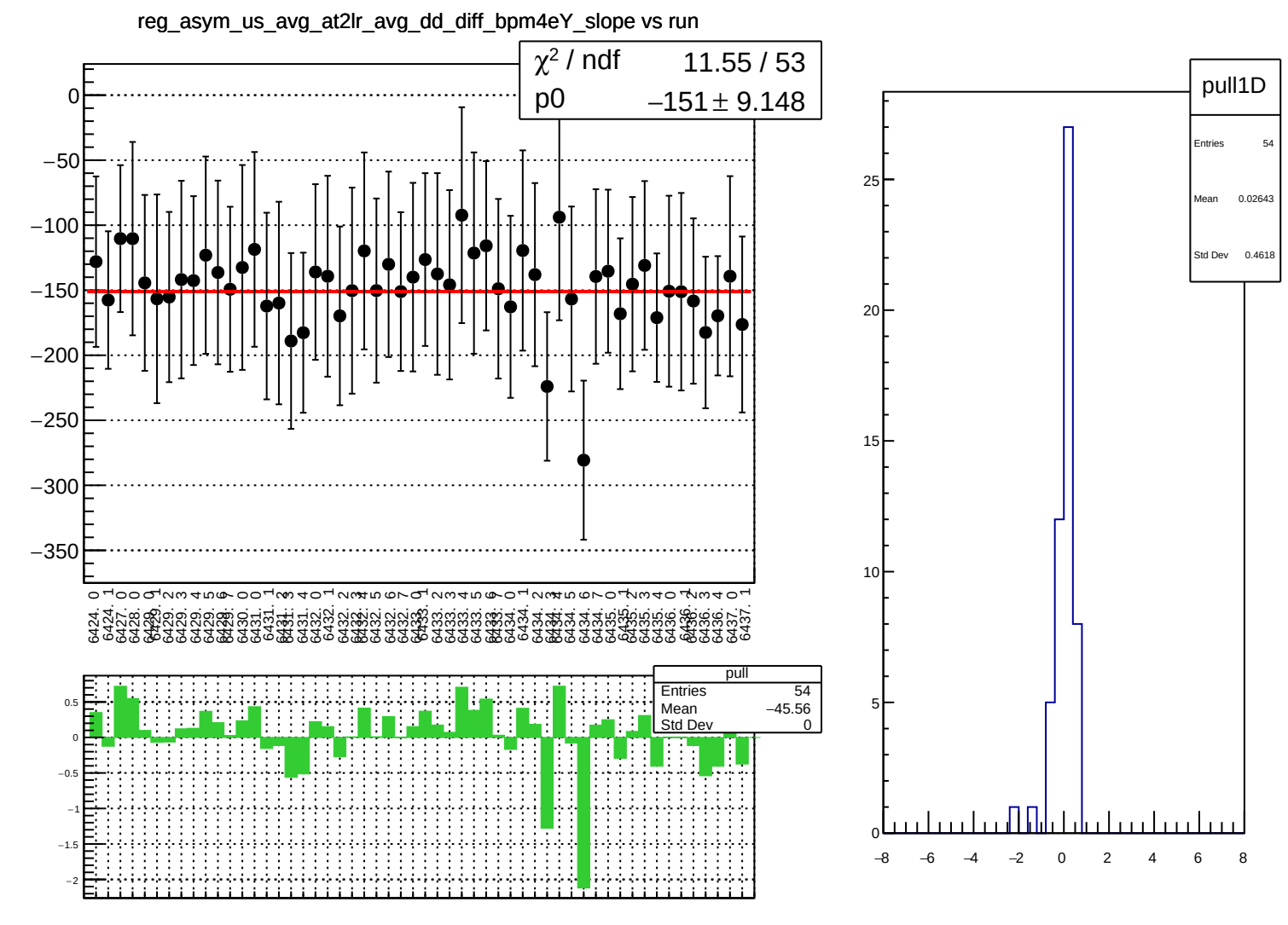

pull1D
Entries 54
Mean −0.02945
Std Dev 0.9873
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

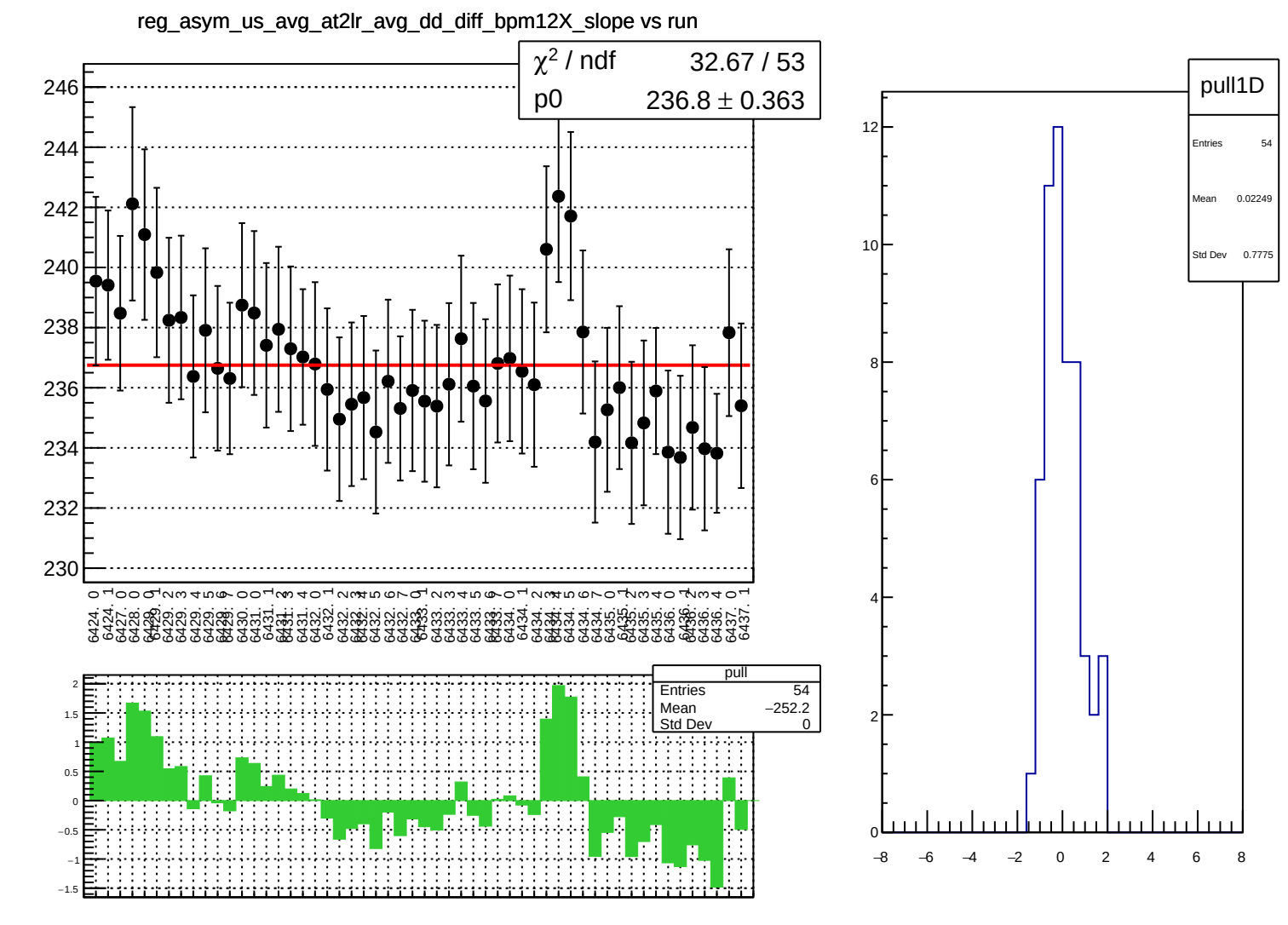

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 17.58 / 53
p0 406.8 ± 8.891
pull
Entries 54
Mean 80.1
Std Dev 0

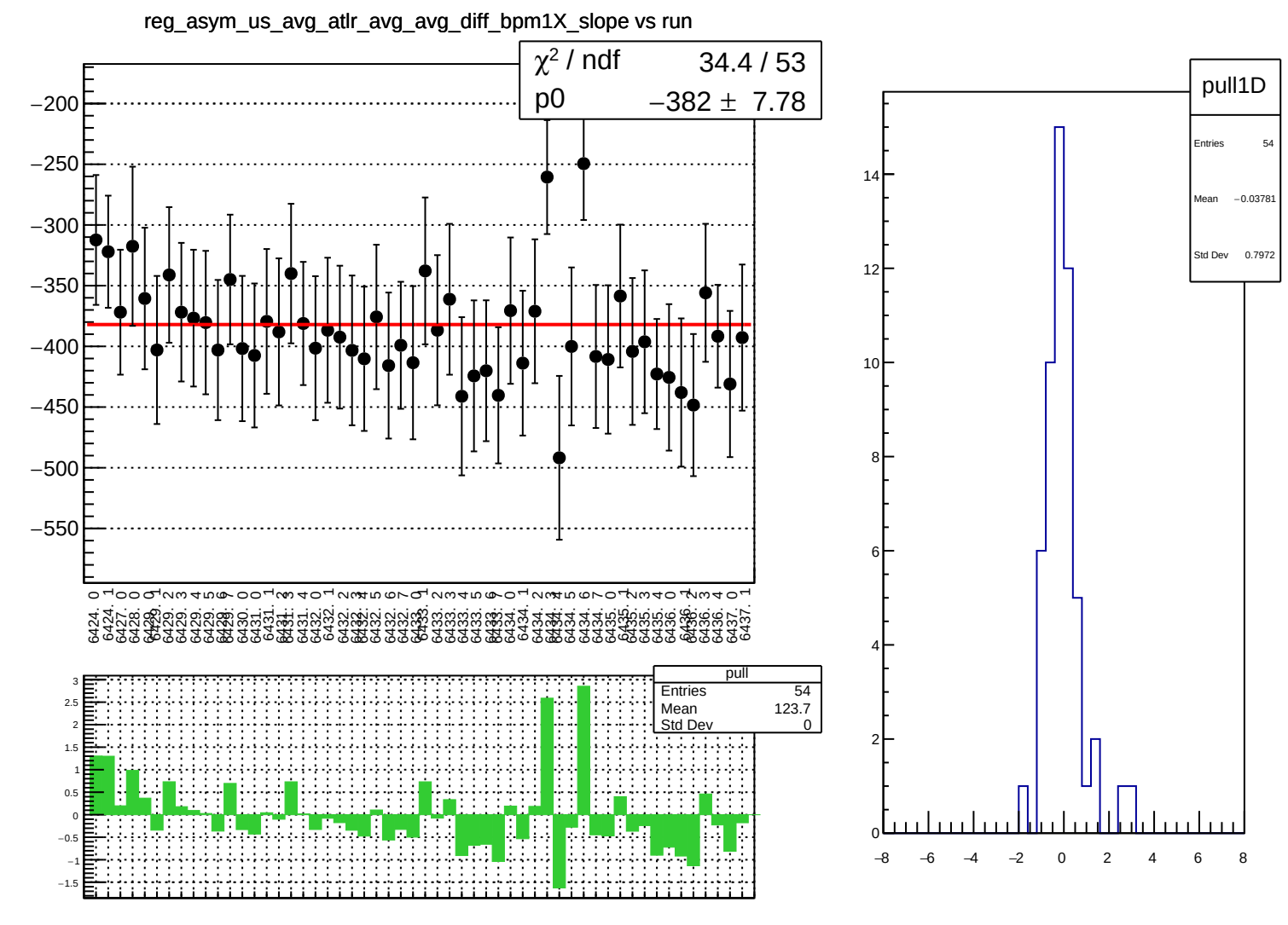

pull1D
Entries 54
Mean 0.02852
Std Dev 0.5699

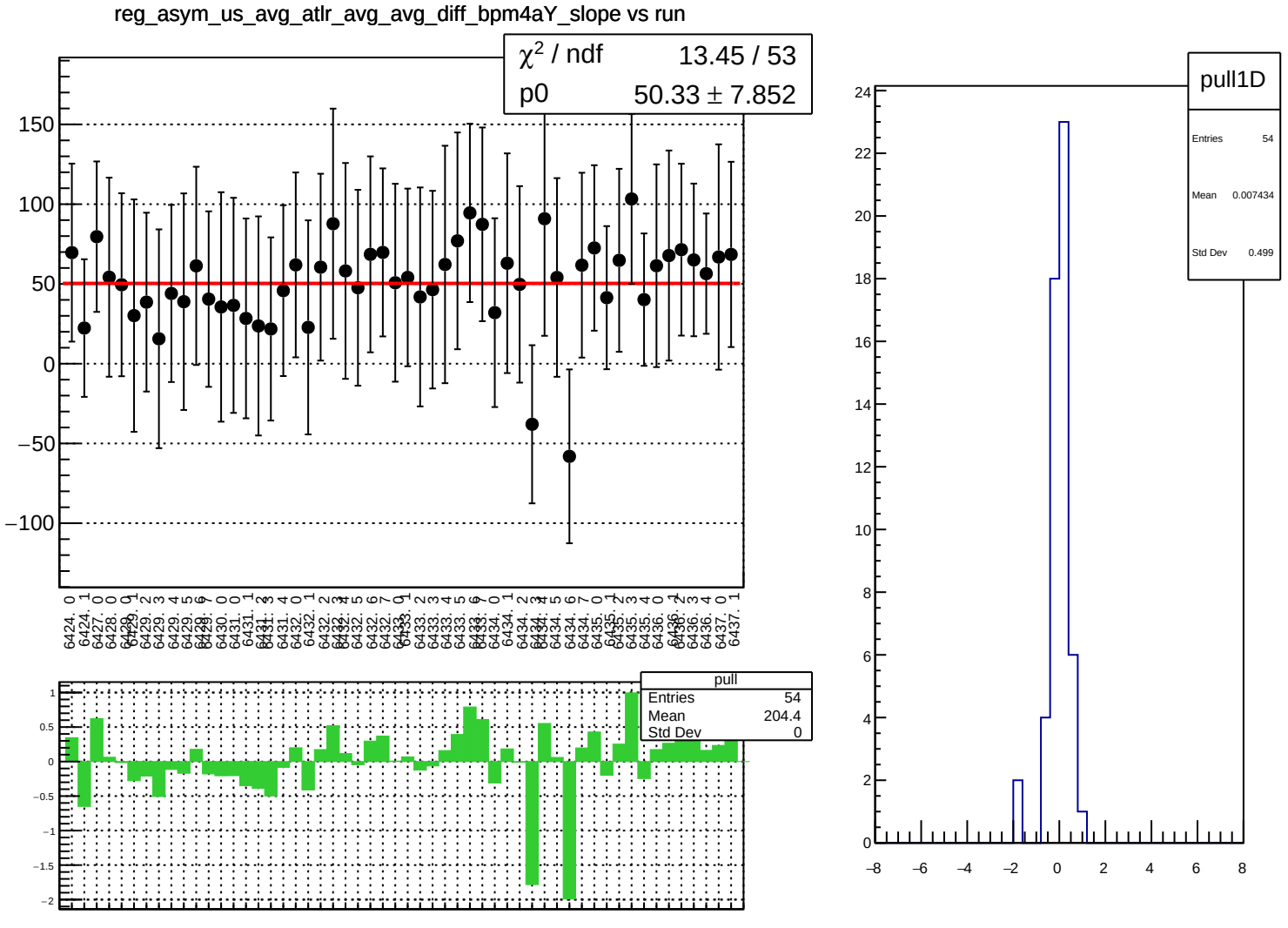

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.67 / 53
p0 −8.446 ± 8.976
pull
Entries 54
Mean −11.05
Std Dev 0
pull1D
Entries 54
Mean −0.03017
Std Dev 0.4435

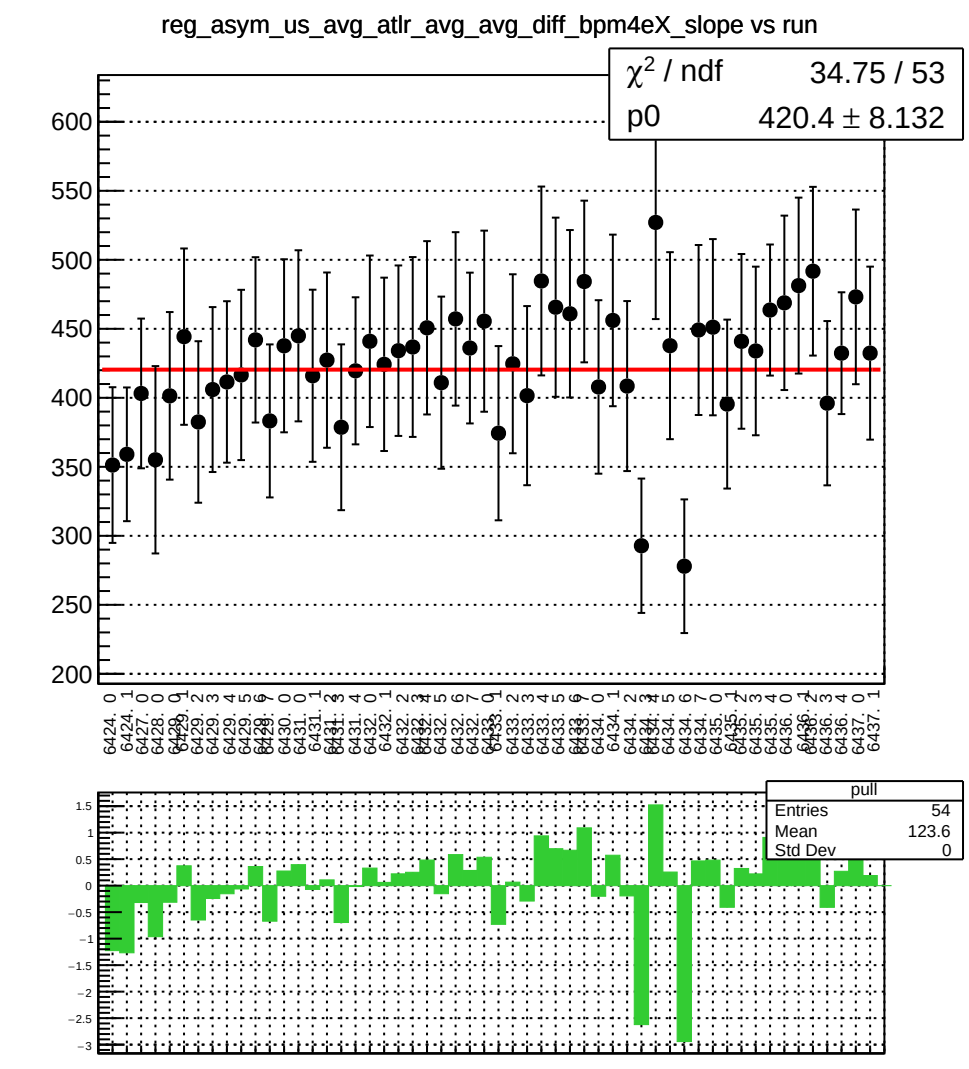

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.39 / 53
p0 −461.6 ± 9.293
pull
Entries 54
Mean 84.29
Std Dev 0
pull1D
Entries 54
Mean −0.02844
Std Dev 0.5668

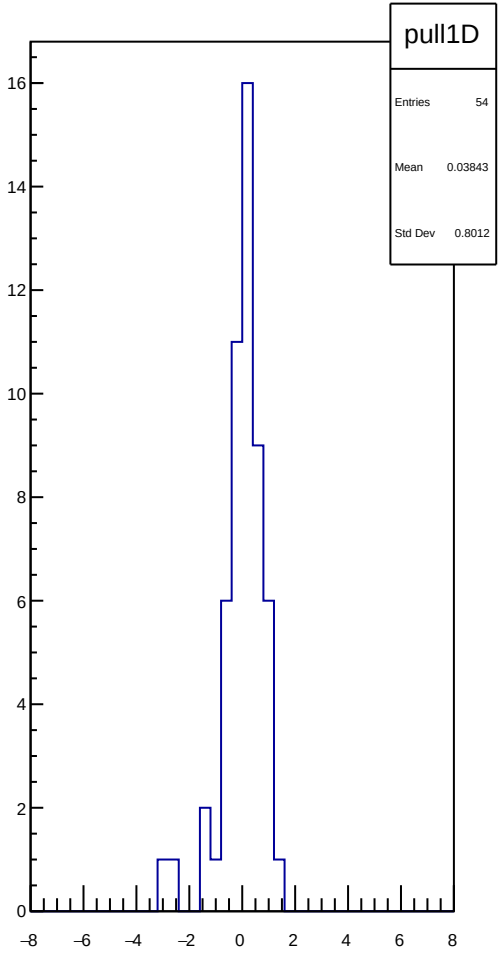

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.55 / 53
p0 −151 ± 9.148
pull
Entries 54
Mean −45.56
Std Dev 0
pull1D
Entries 54
Mean 0.02643
Std Dev 0.4618

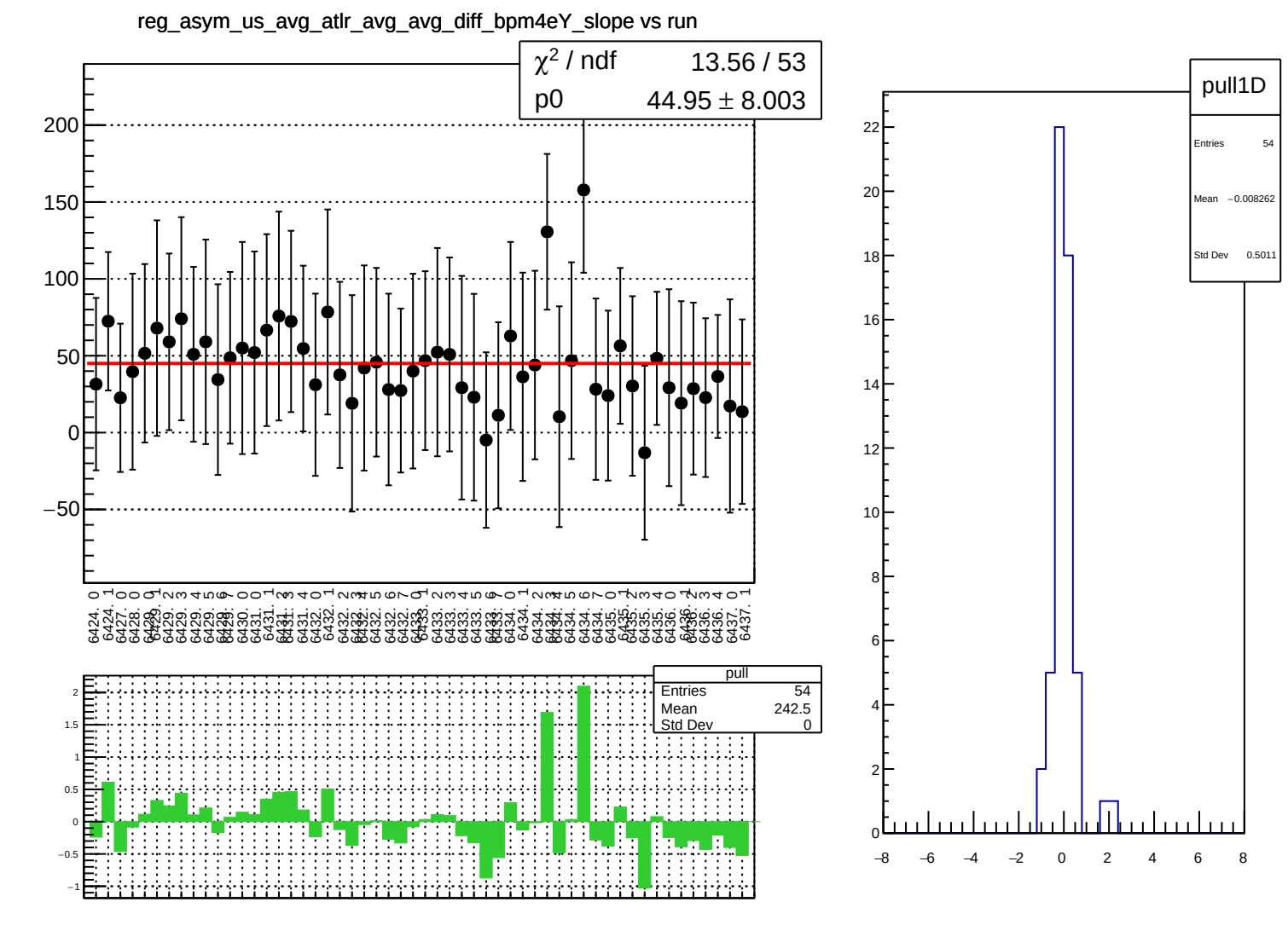

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 32.67 / 53
p0 236.8 ± 0.363
pull
Entries 54
Mean −252.2
Std Dev 0
pull1D
Entries 54
Mean 0.02249
Std Dev 0.7775

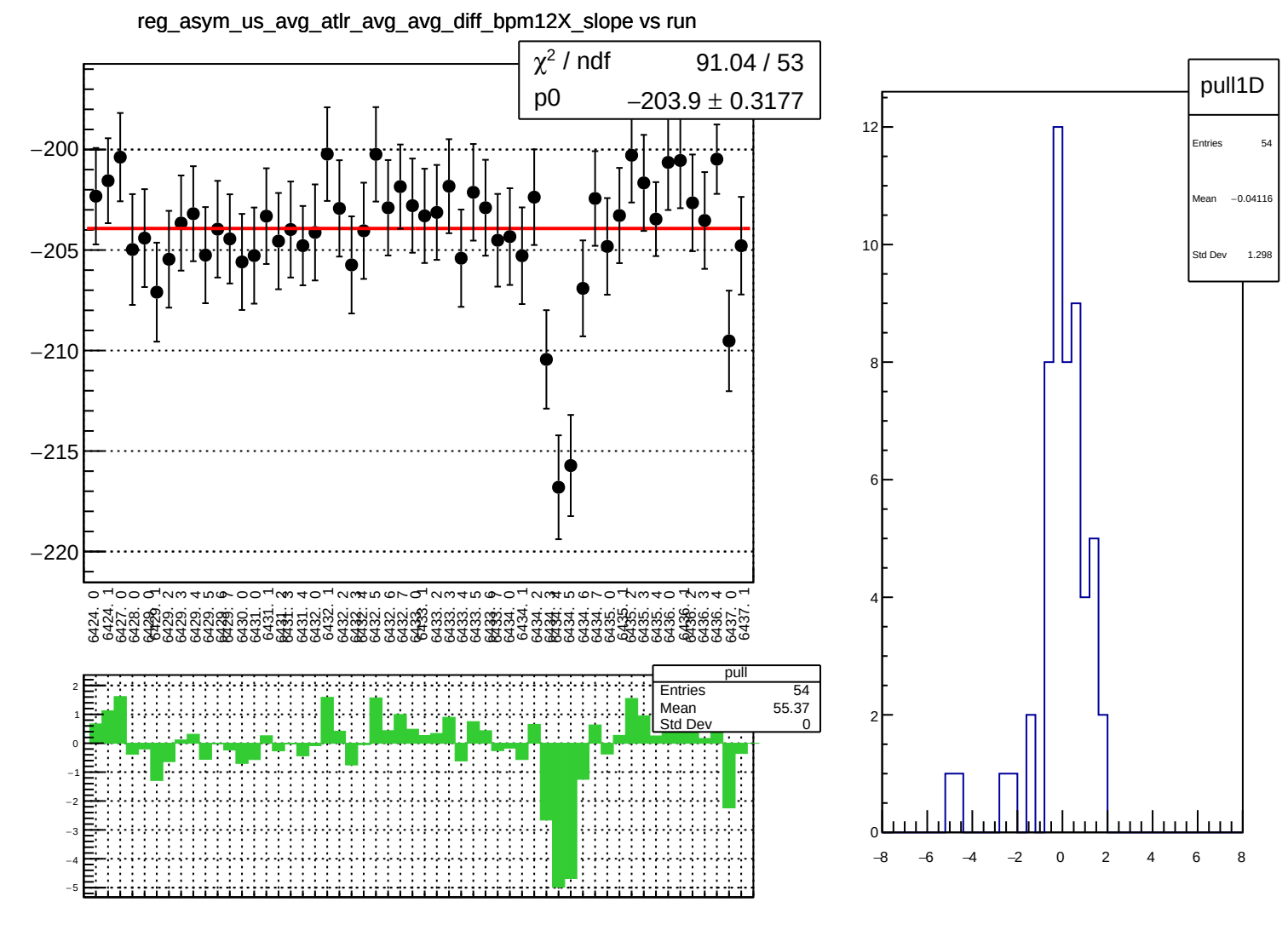

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 34.4 / 53
p0 −382 ± 7.78
pull
Entries 54
Mean 123.7
Std Dev 0
pull1D
Entries 54
Mean −0.03781
Std Dev 0.7972

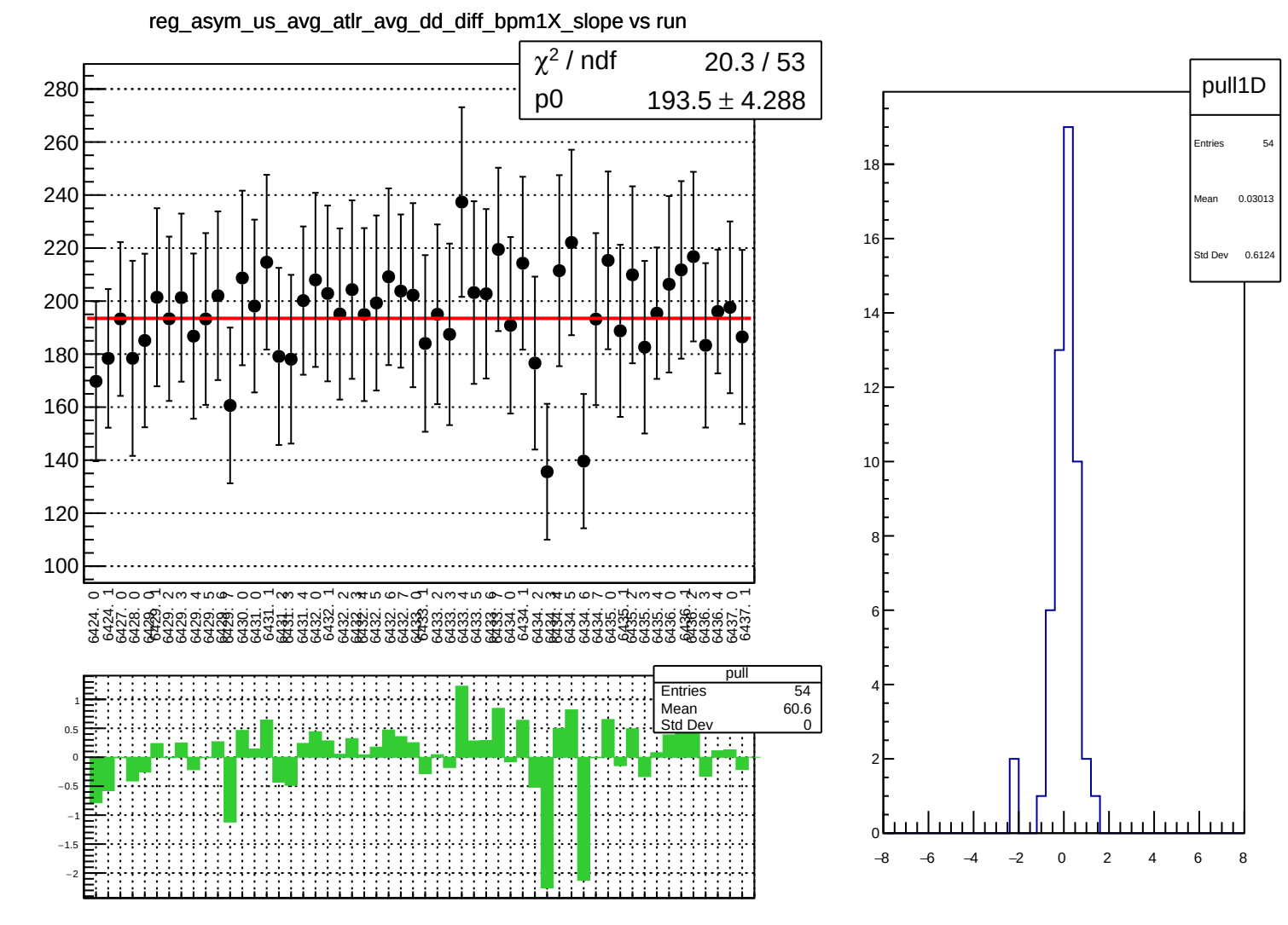

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.45 / 53
p0 50.33 ± 7.852
pull
Entries 54
Mean 204.4
Std Dev 0
pull1D
Entries 54
Mean 0.007434
Std Dev 0.499

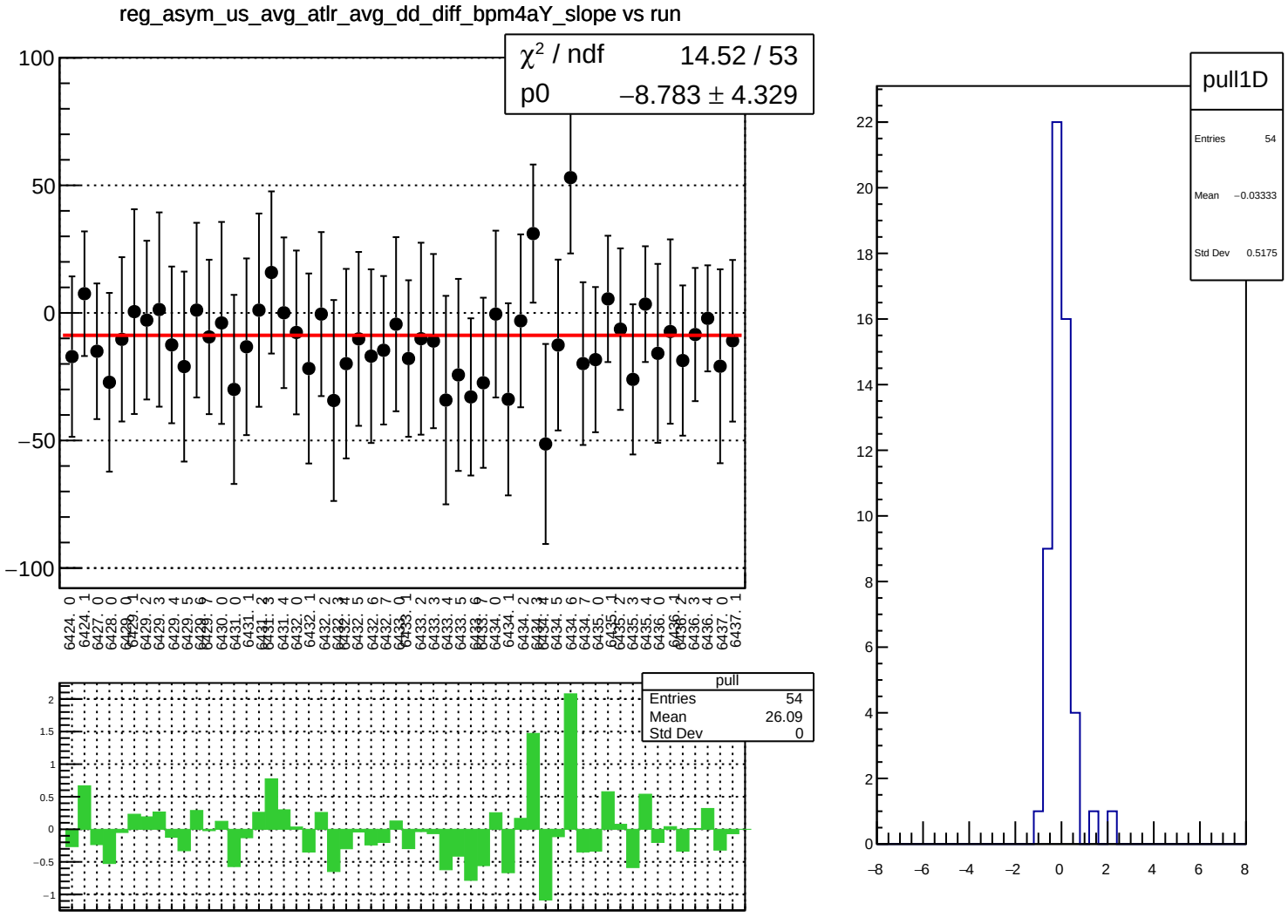

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.75 / 53
p0 420.4 ± 8.132
pull
Entries 54
Mean 123.6
Std Dev 0

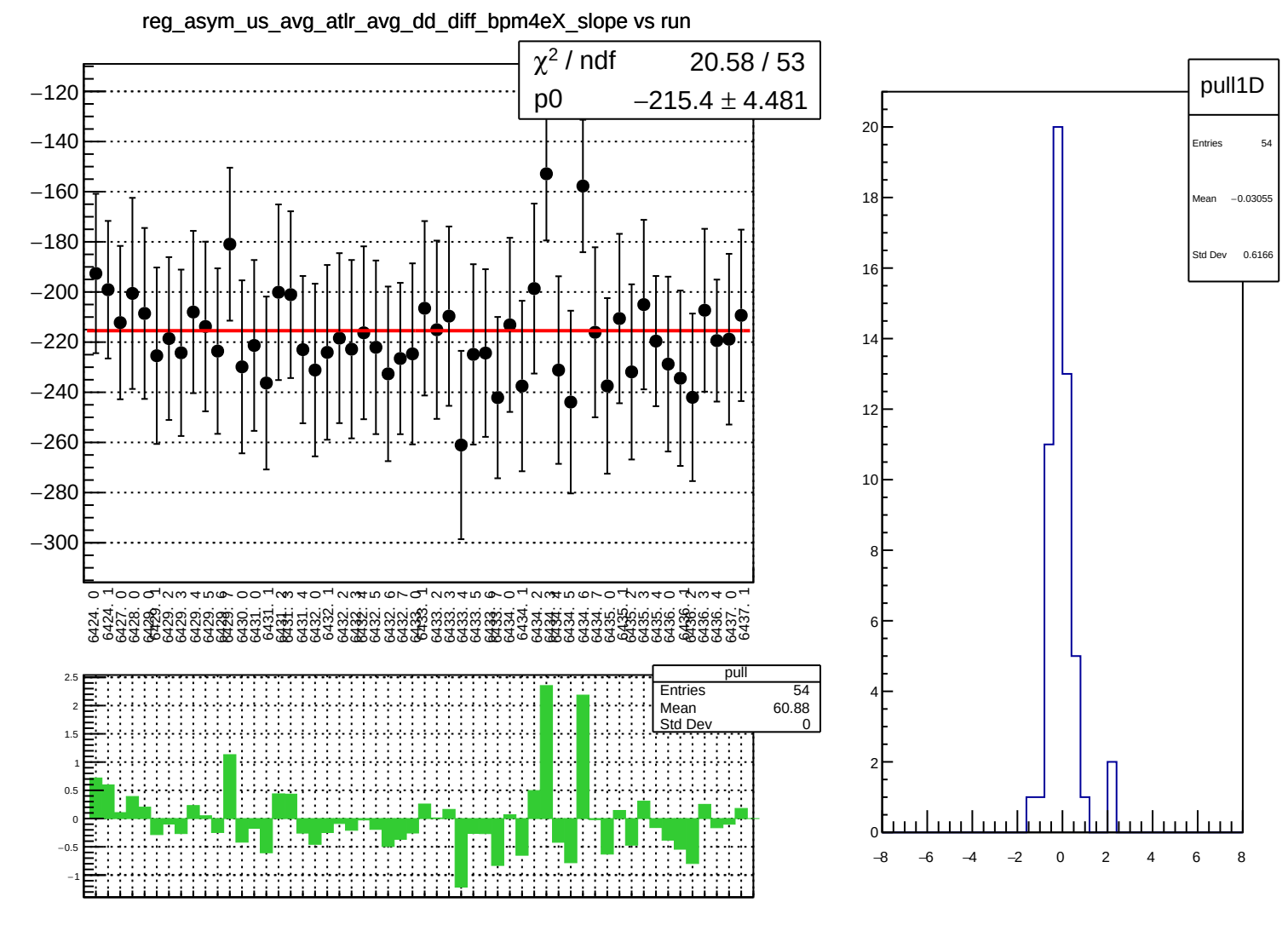

pull1D
Entries 54
Mean 0.03843
Std Dev 0.8012

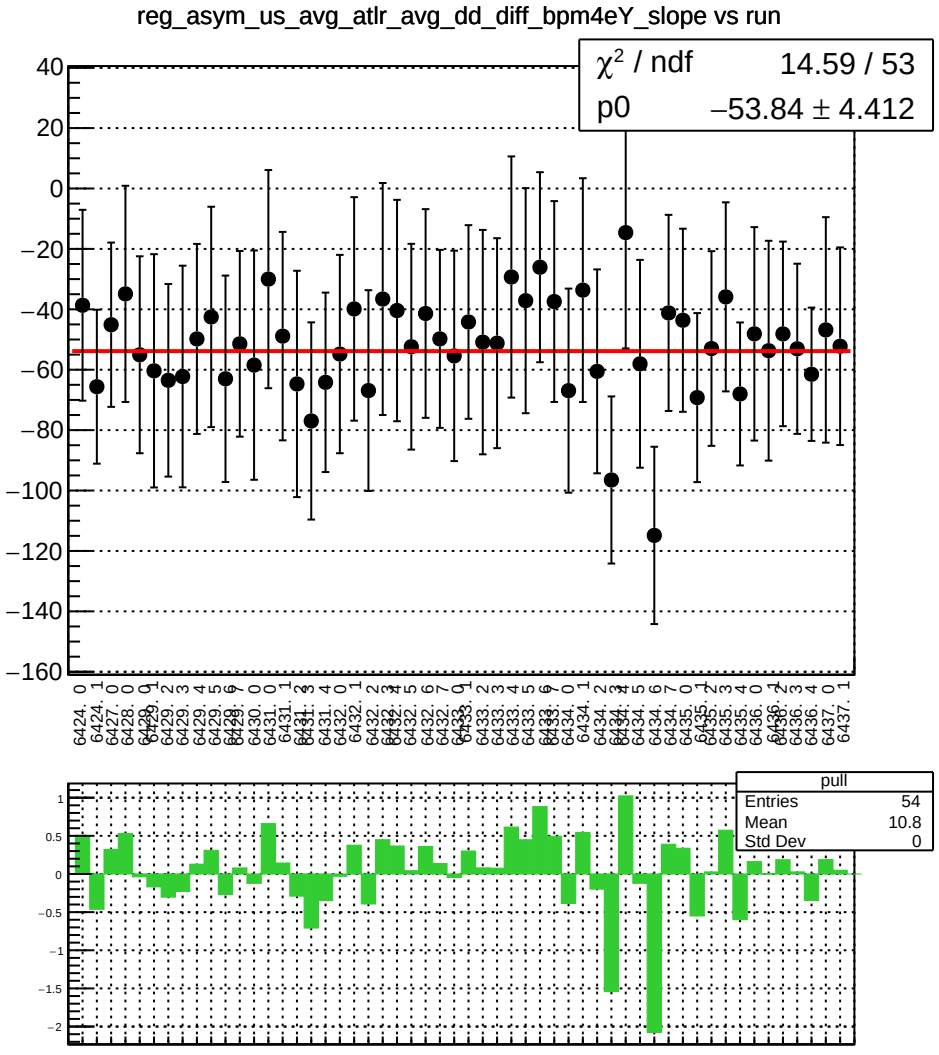

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.56 / 53
p0 44.95 ± 8.003
pull
Entries 54
Mean 242.5
Std Dev 0
pull1D
Entries 54
Mean −0.008262
Std Dev 0.5011

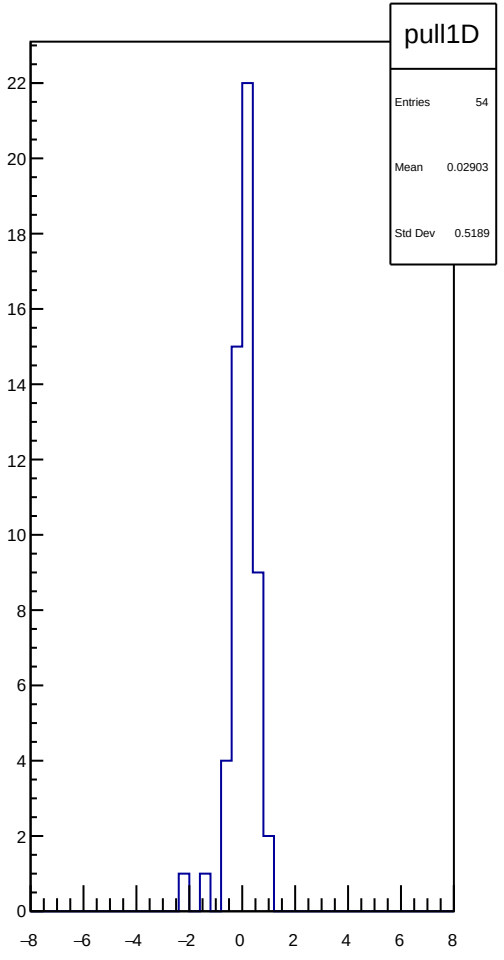

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 91.04 / 53
p0 −203.9 ± 0.3177
−200
−205
−210
−215
−220
pull
Entries 54
Mean 55.37
Std Dev 0
pull1D
Entries 54
Mean −0.04116
Std Dev 1.298

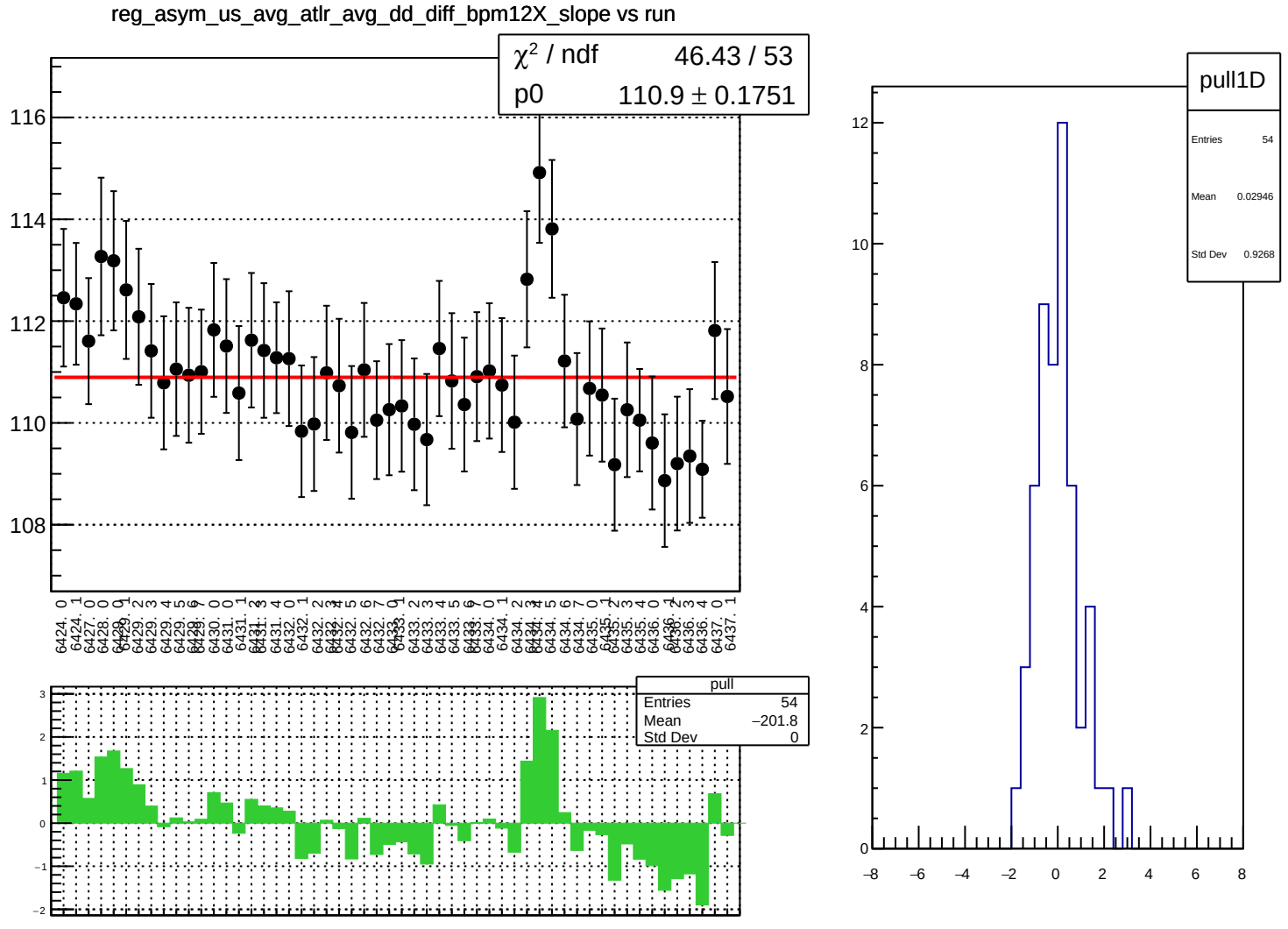

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 20.3 / 53
p0 193.5 ± 4.288
pull
Entries 54
Mean 60.6
Std Dev 0
pull1D
Entries 54
Mean 0.03013
Std Dev 0.6124

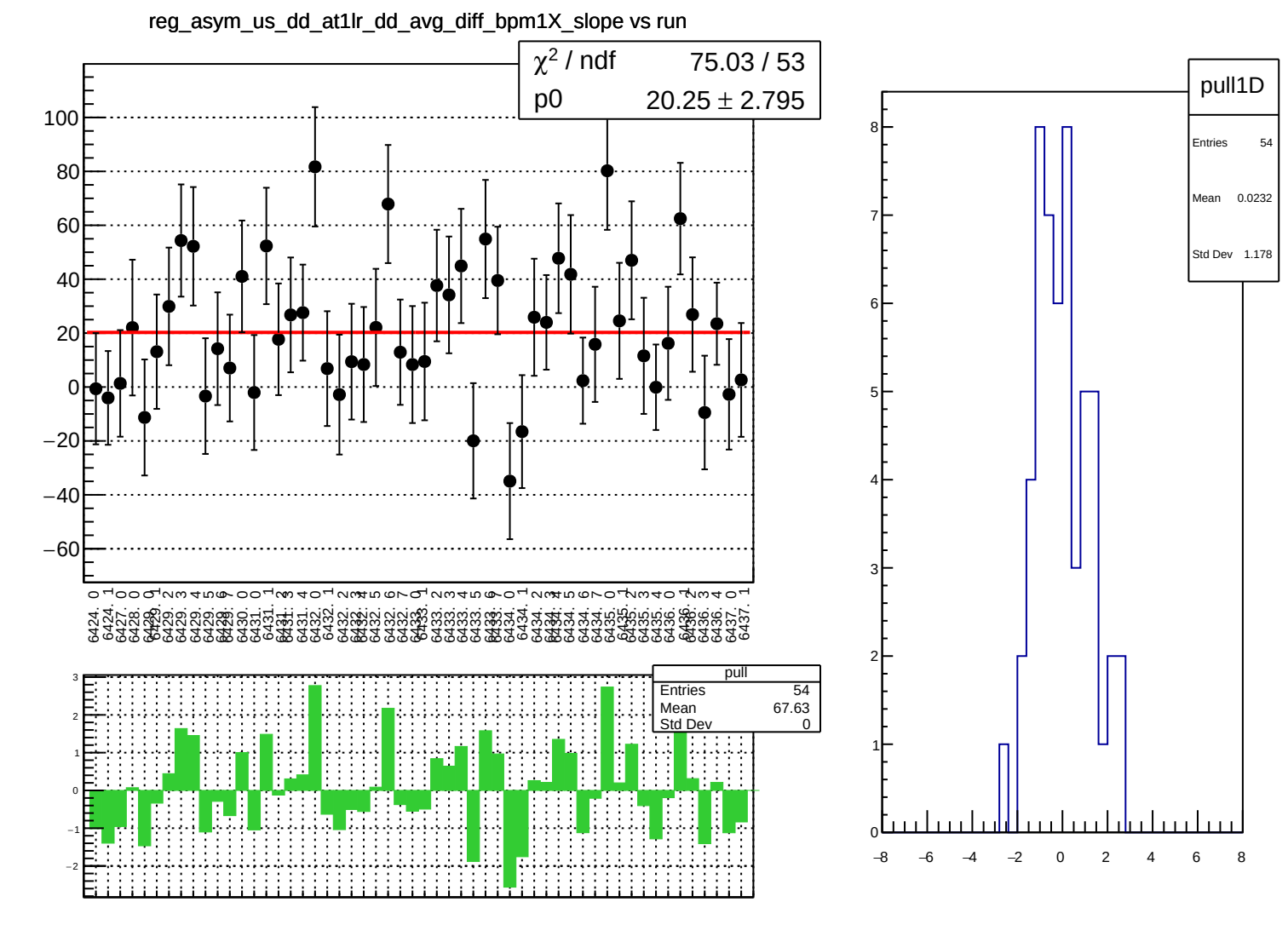

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.52 / 53
p0 −8.783 ± 4.329
pull
Entries 54
Mean 26.09
Std Dev 0
pull1D
Entries 54
Mean −0.03333
Std Dev 0.5175

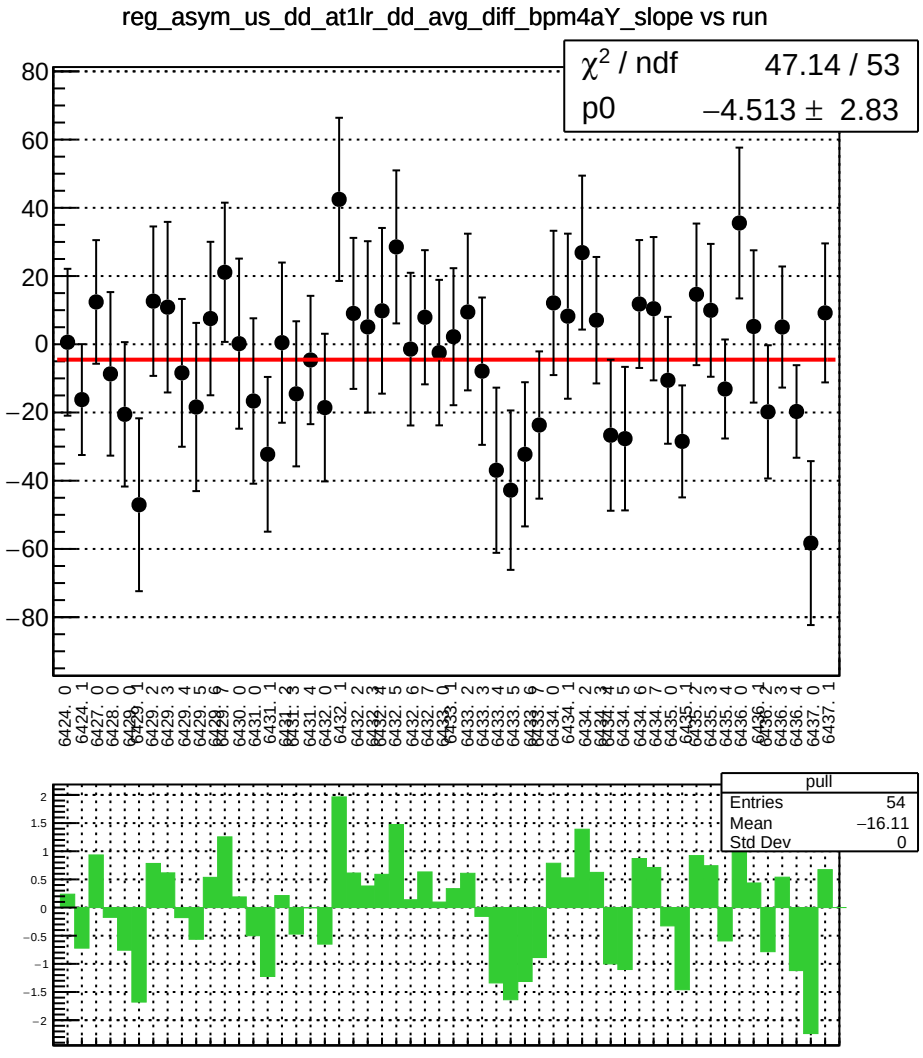

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.58 / 53
p0 −215.4 ± 4.481
pull
Entries 54
Mean 60.88
Std Dev 0
pull1D
Entries 54
Mean −0.03055
Std Dev 0.6166

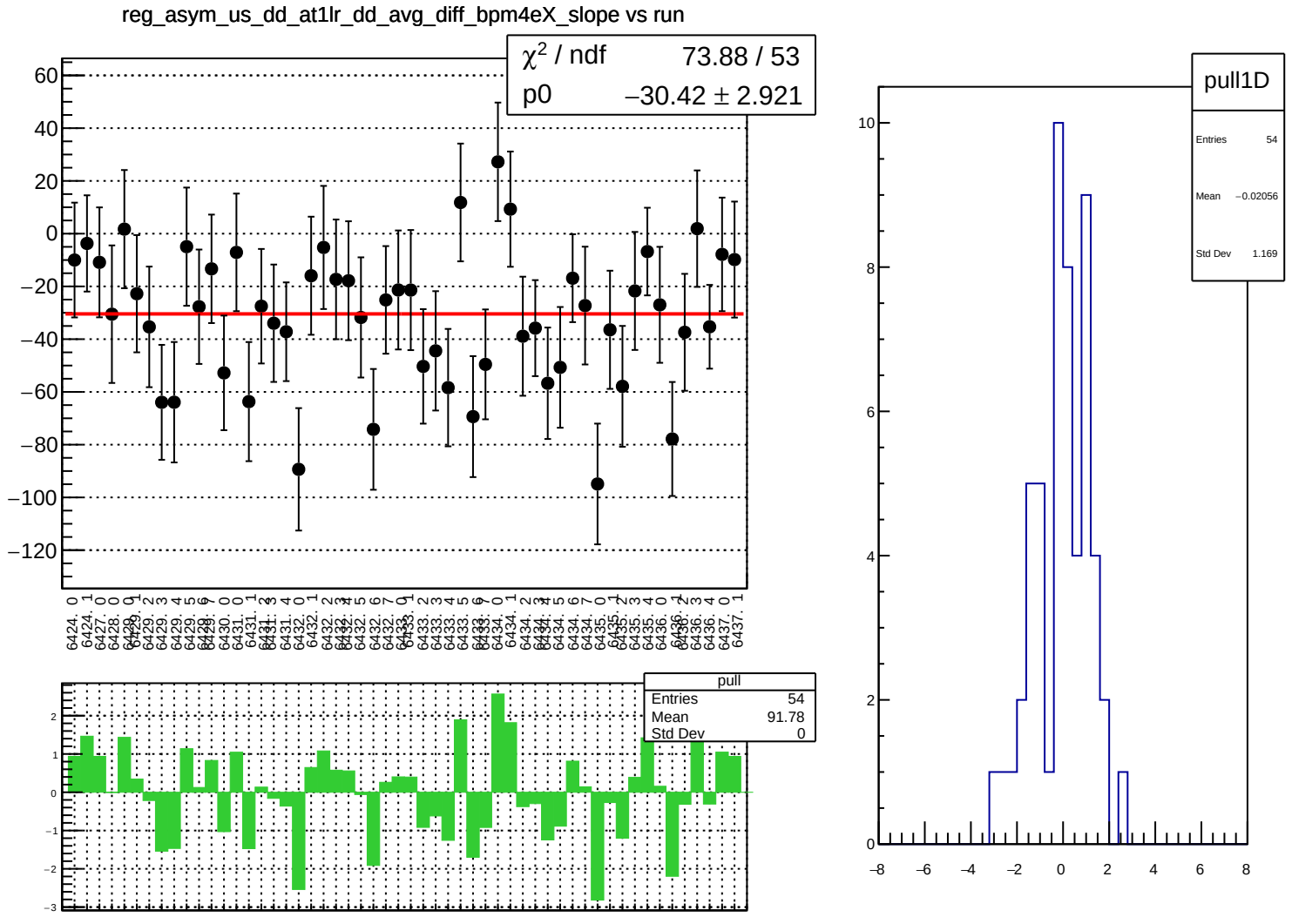

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.59 / 53
p0 −53.84 ± 4.412
pull
Entries 54
Mean 10.8
Std Dev 0

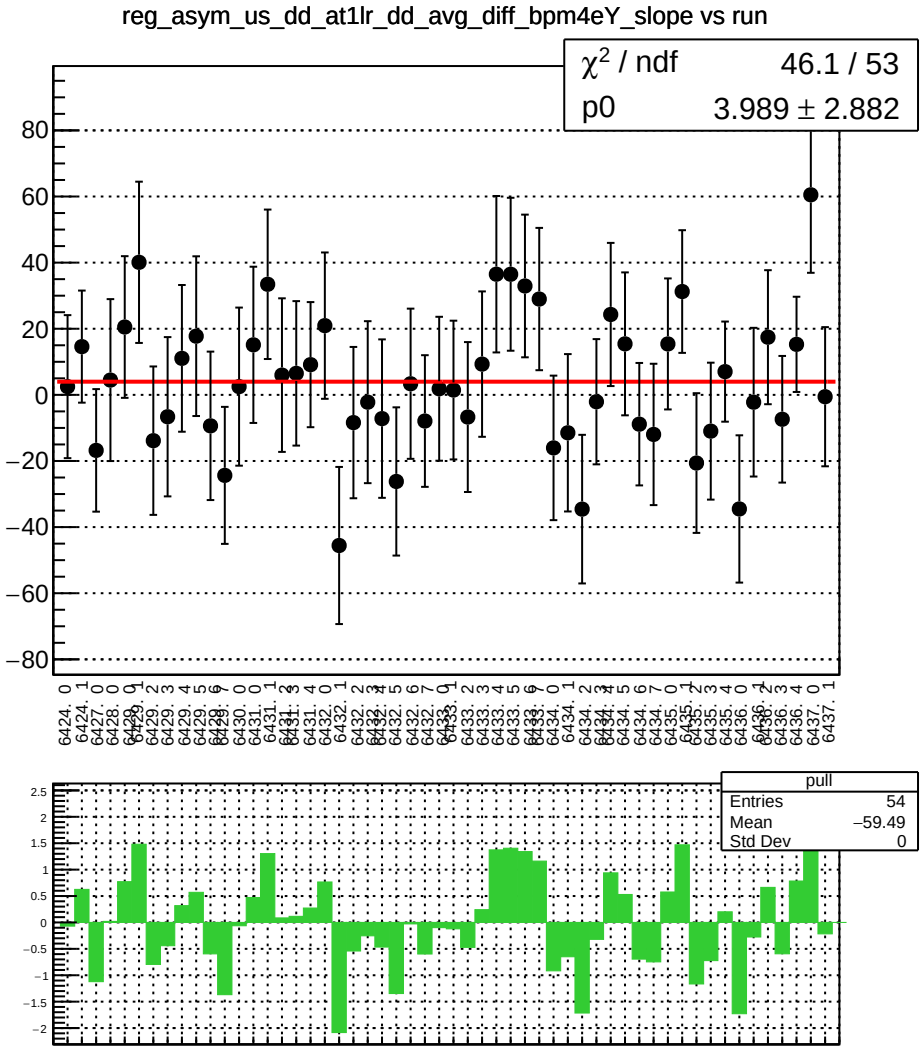

pull1D
Entries 54
Mean 0.02903
Std Dev 0.5189

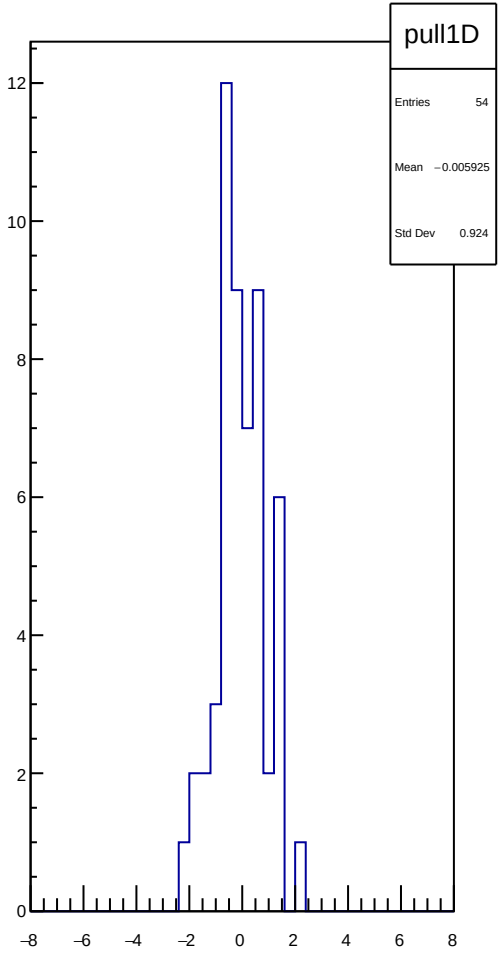

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 46.43 / 53
p0 110.9 ± 0.1751
116
114
112
110
108
pull
Entries 54
Mean −201.8
Std Dev 0
pull1D
Entries 54
Mean 0.02946
Std Dev 0.9268

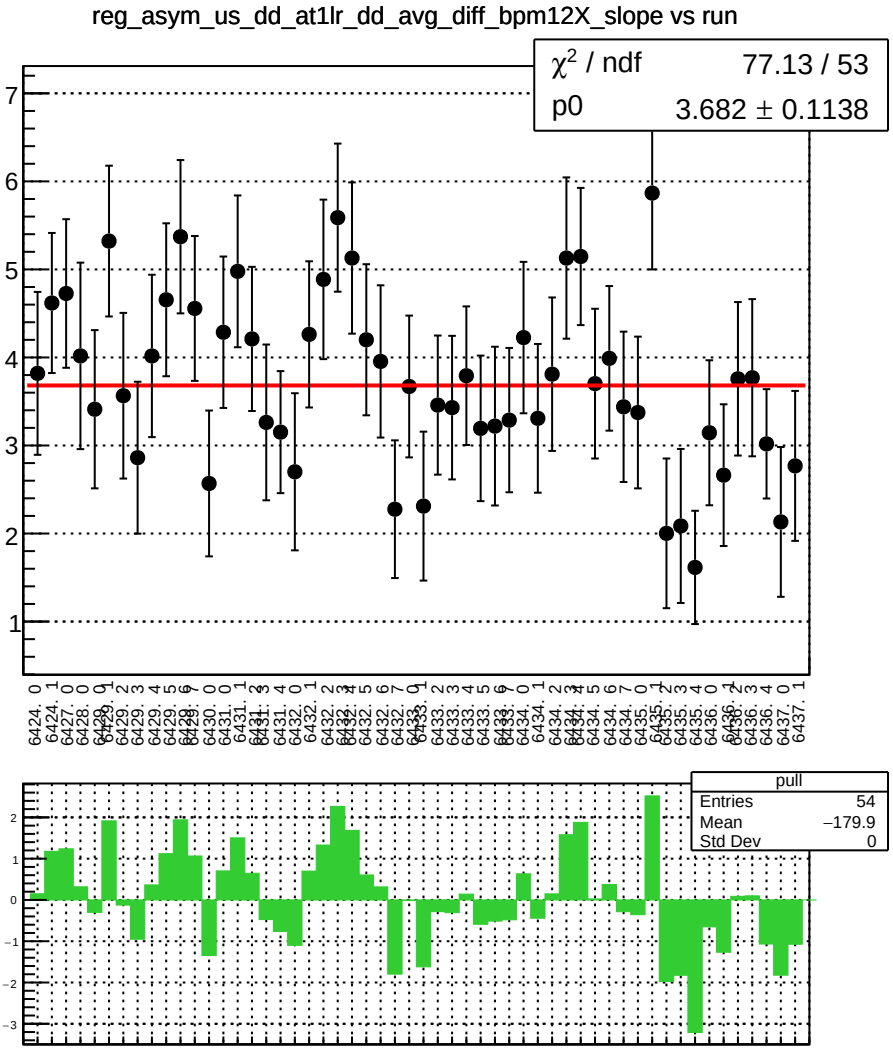

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 75.03 / 53
p0 20.25 ± 2.795
pull
Entries 54
Mean 67.63
Std Dev 0
pull1D
Entries 54
Mean 0.0232
Std Dev 1.178

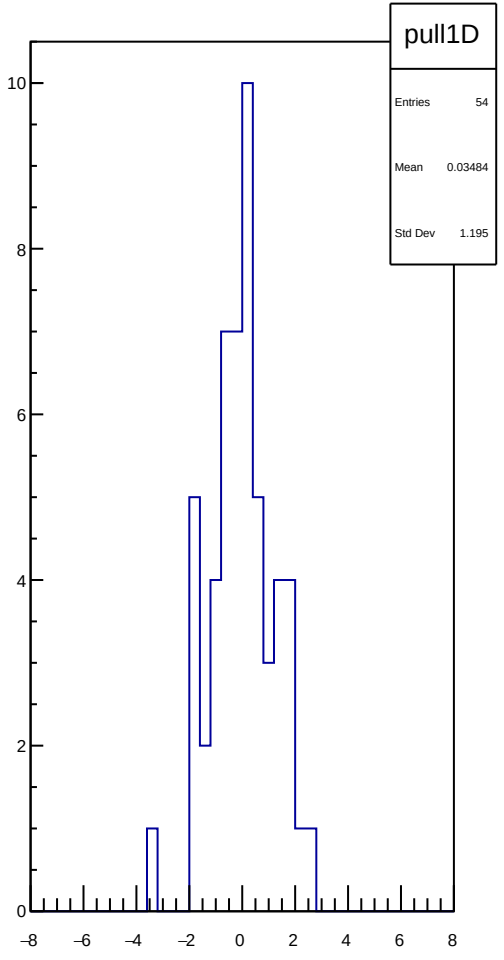

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.14 / 53
p0 −4.513 ± 2.83
pull
Entries 54
Mean −16.11
Std Dev 0
pull1D
Entries 54
Mean 0.01405
Std Dev 0.9342

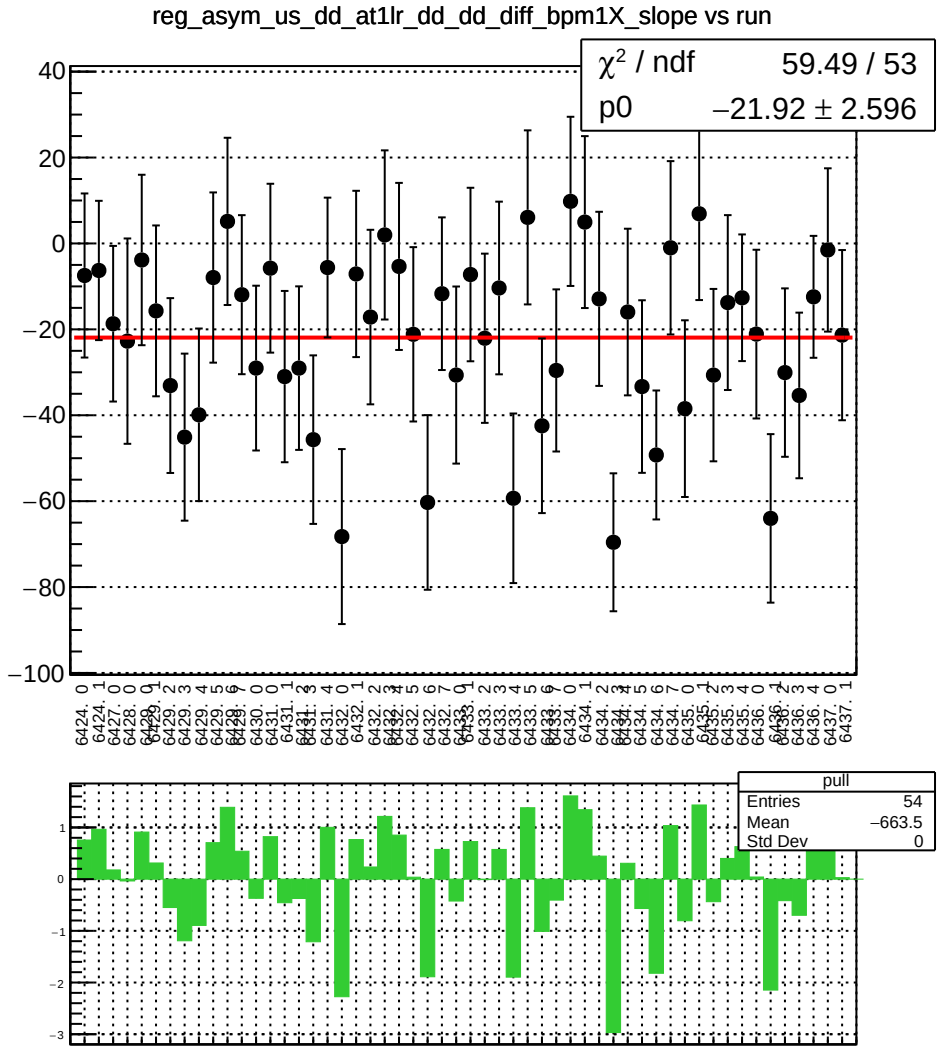

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.88 / 53
p0 −30.42 ± 2.921
pull
Entries 54
Mean 91.78
Std Dev 0
pull1D
Entries 54
Mean −0.02056
Std Dev 1.169

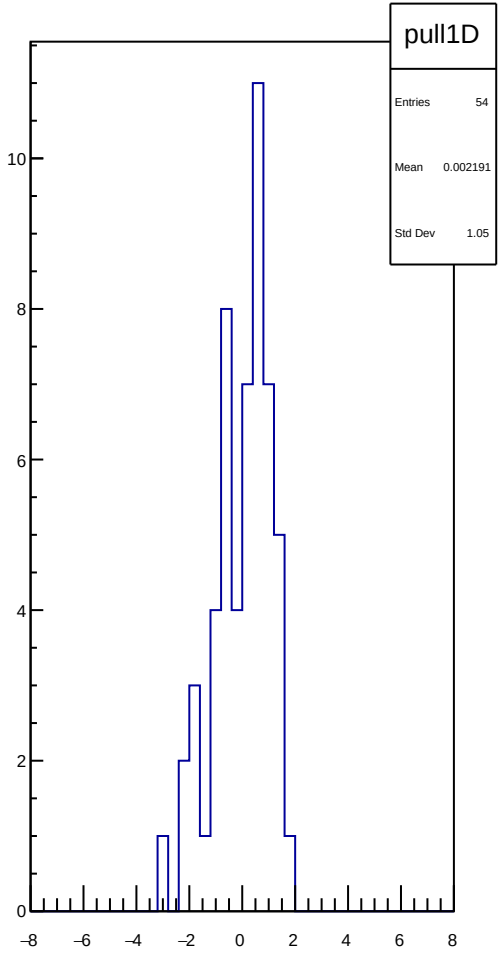

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.1 / 53
p0 3.989 ± 2.882
pull
Entries 54
Mean −59.49
Std Dev 0

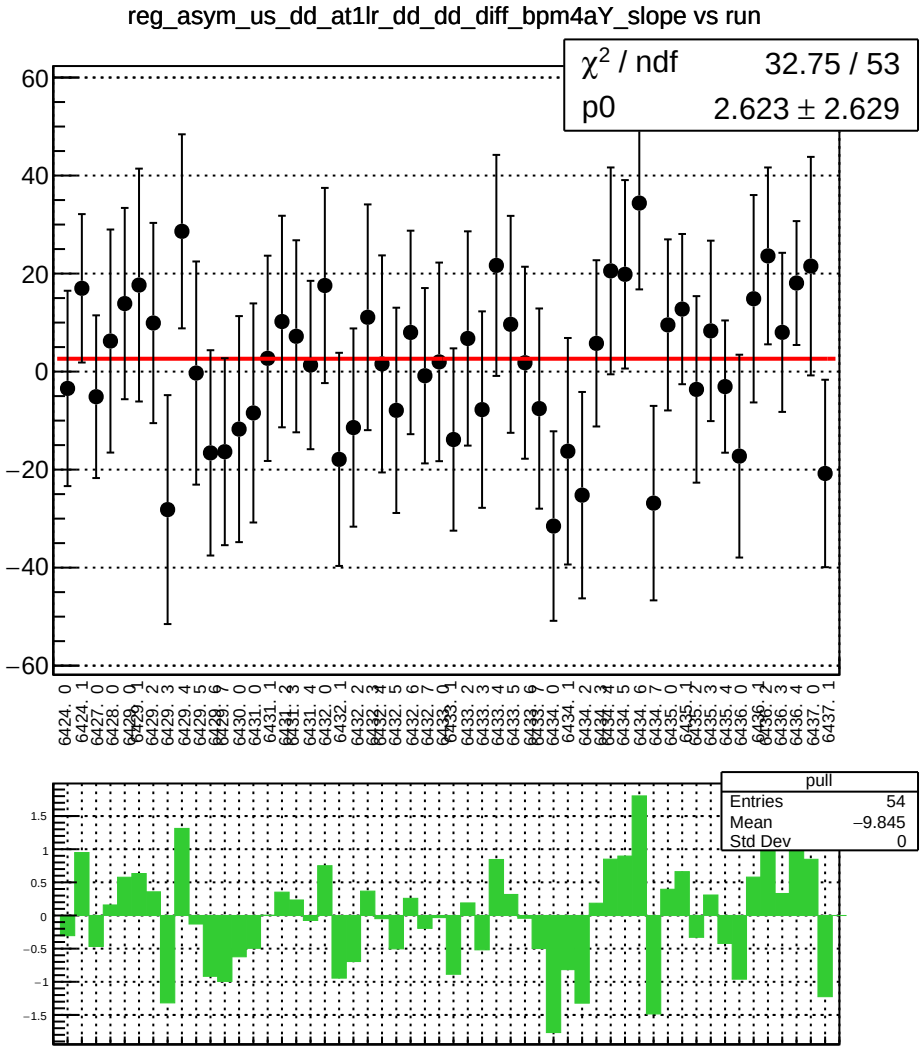

pull1D
Entries 54
Mean −0.005925
Std Dev 0.924

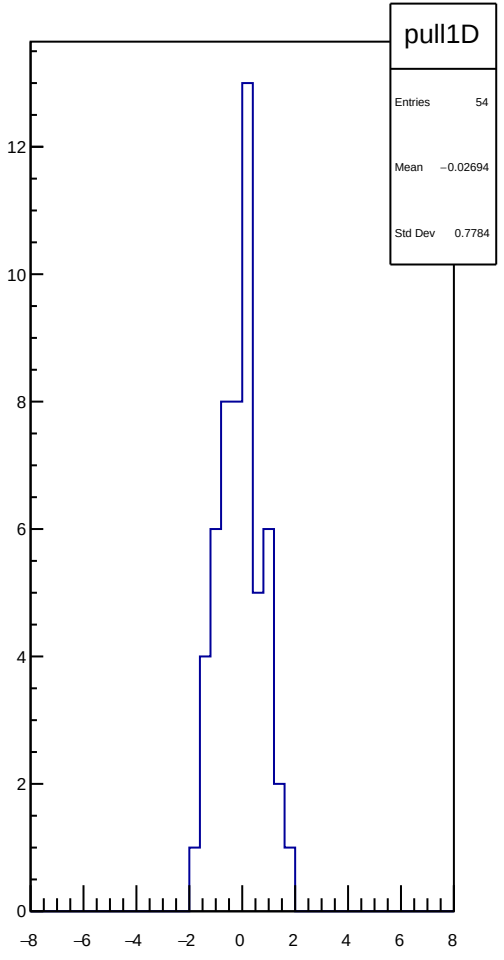

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 77.13 / 53
p0 3.682 ± 0.1138
pull
Entries 54
Mean −179.9
Std Dev 0

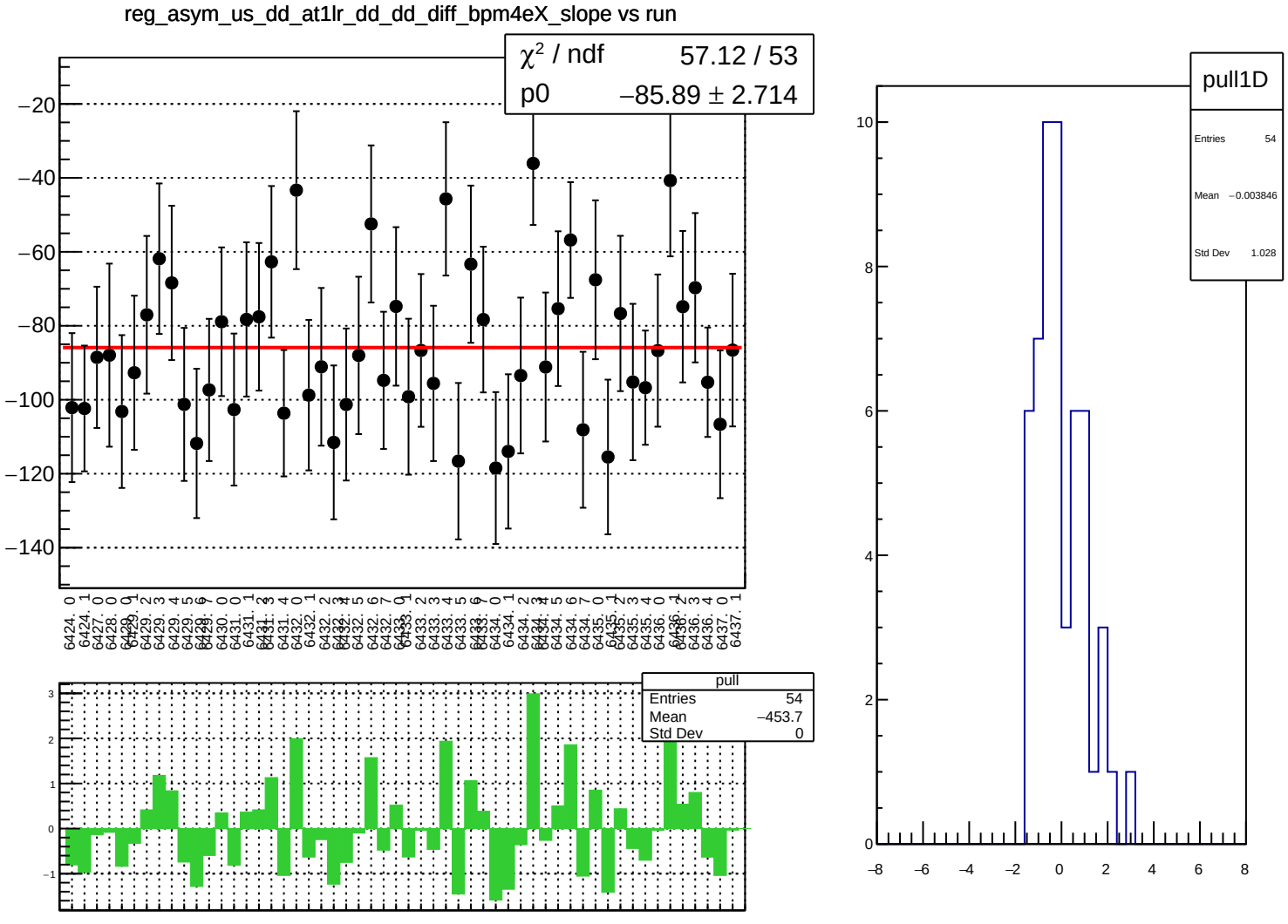

pull1D
Entries 54
Mean 0.03484
Std Dev 1.195

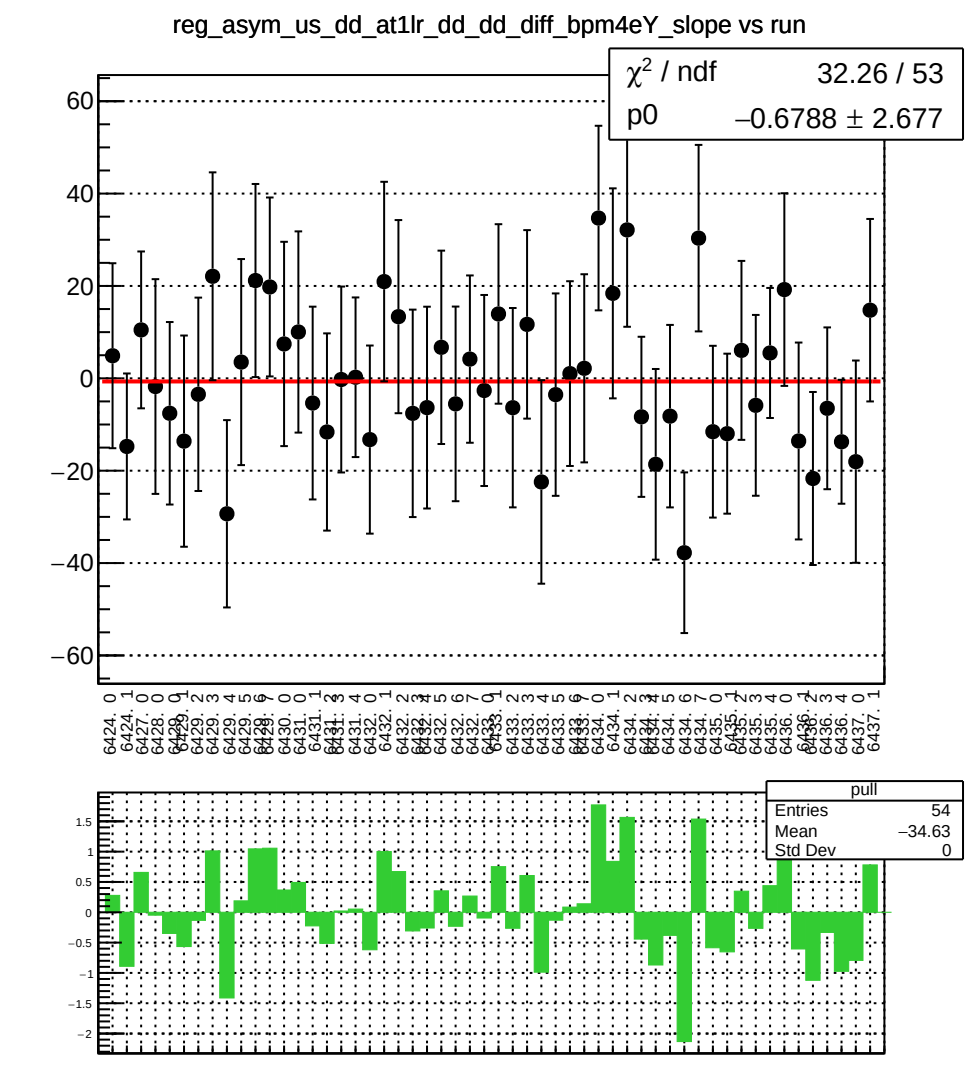

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 59.49 / 53
p0 −21.92 ± 2.596
pull
Entries 54
Mean −663.5
Std Dev 0

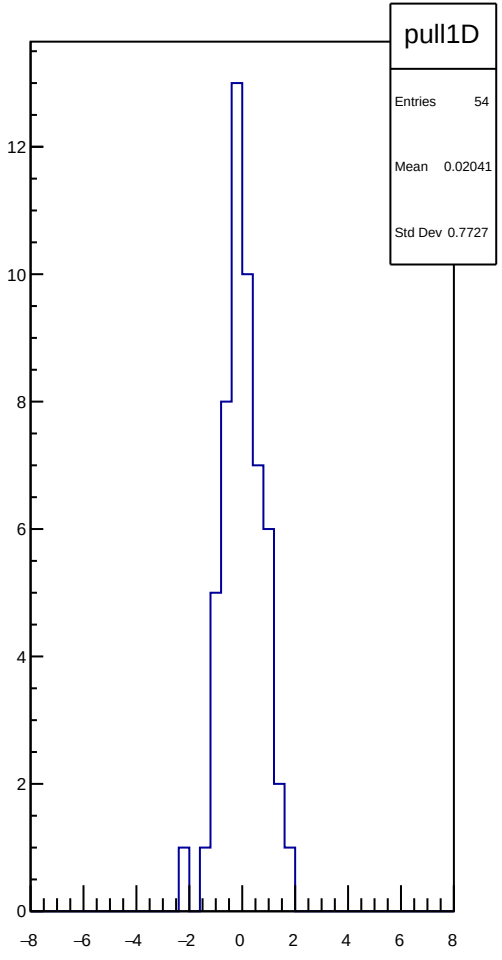

pull1D
Entries 54
Mean 0.002191
Std Dev 1.05

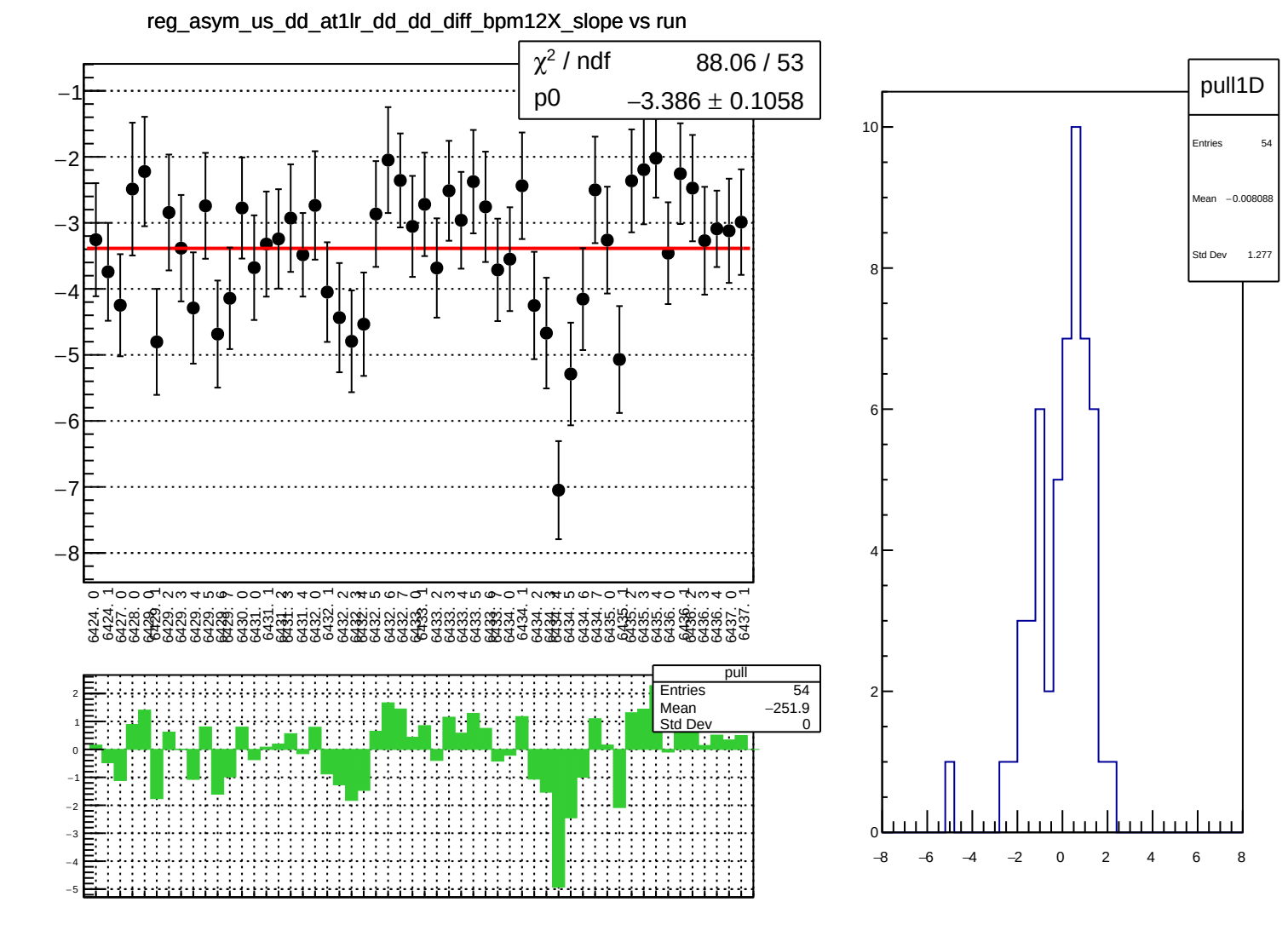

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.75 / 53
p0 2.623 ± 2.629
pull
Entries 54
Mean −9.845
Std Dev 0

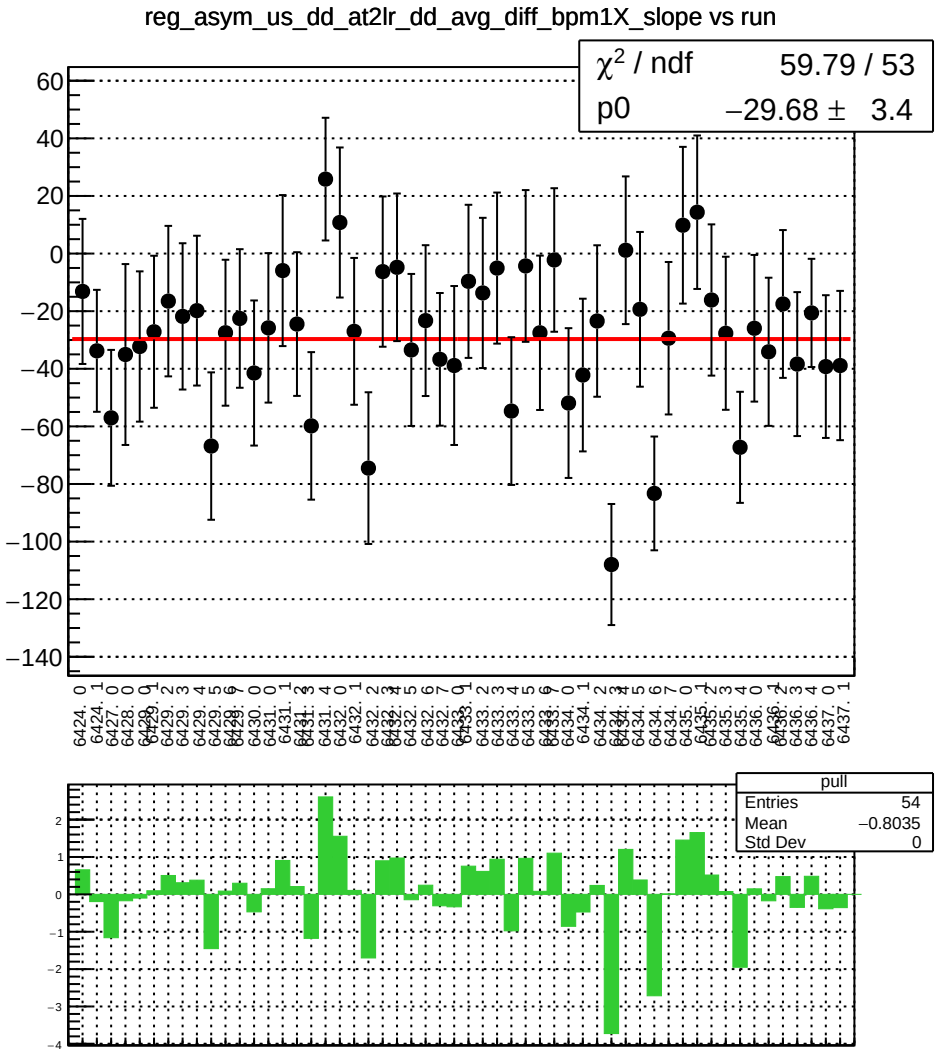

pull1D
Entries 54
Mean −0.02694
Std Dev 0.7784

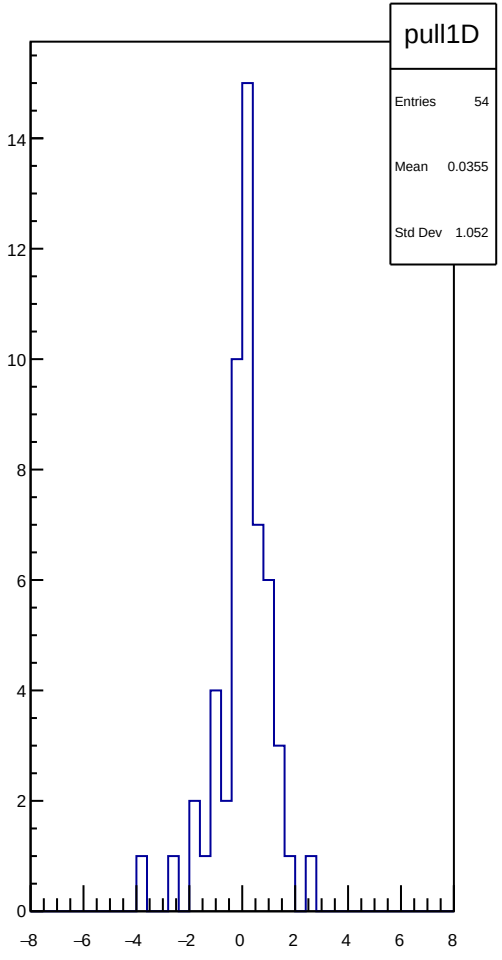

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.12 / 53
p0 −85.89 ± 2.714
pull
Entries 54
Mean −453.7
Std Dev 0
pull1D
Entries 54
Mean −0.003846
Std Dev 1.028

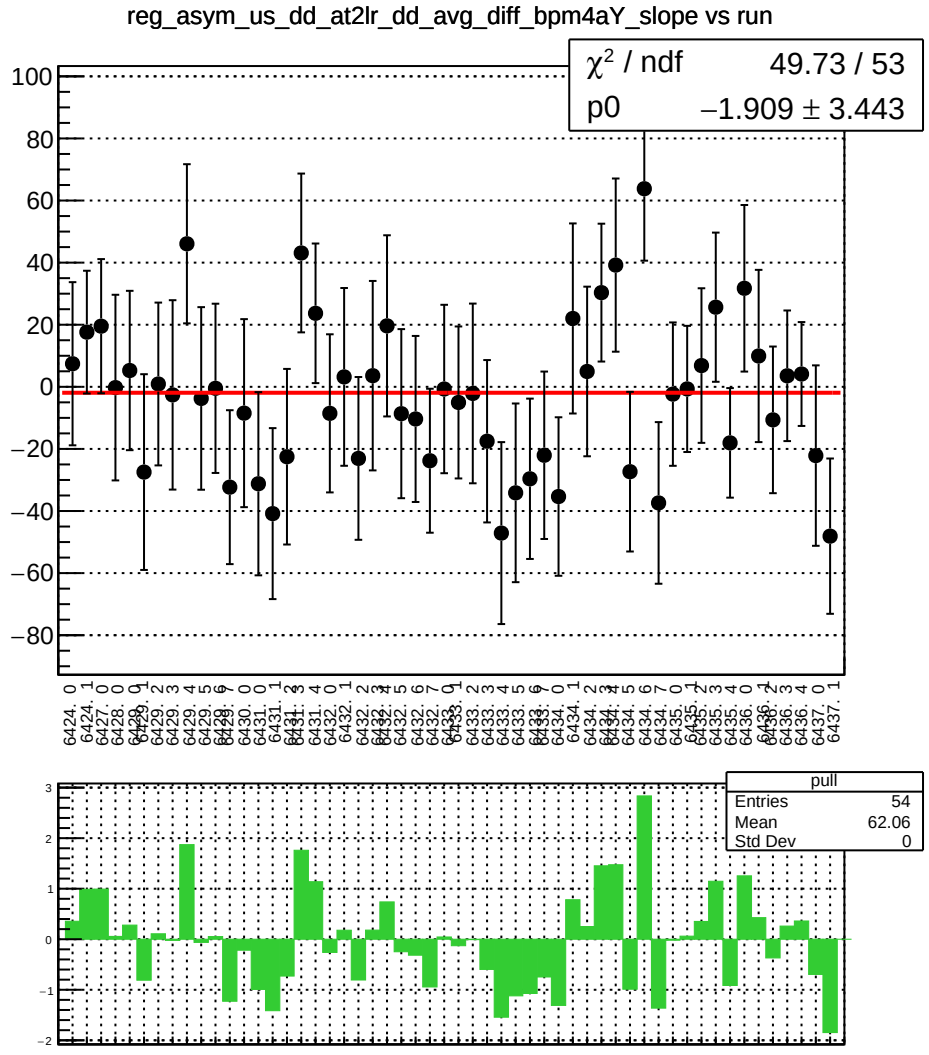

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.26 / 53
p0 −0.6788 ± 2.677
pull
Entries 54
Mean −34.63
Std Dev 0

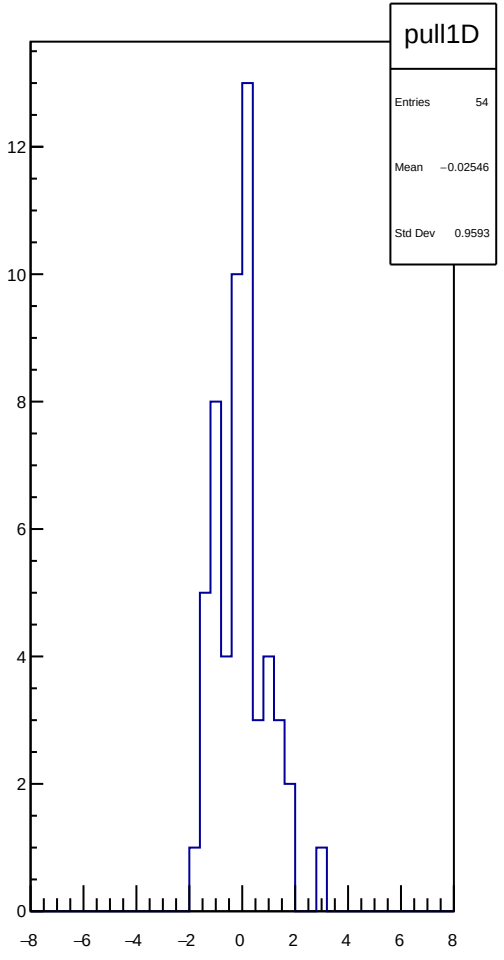

pull1D
Entries 54
Mean 0.02041
Std Dev 0.7727

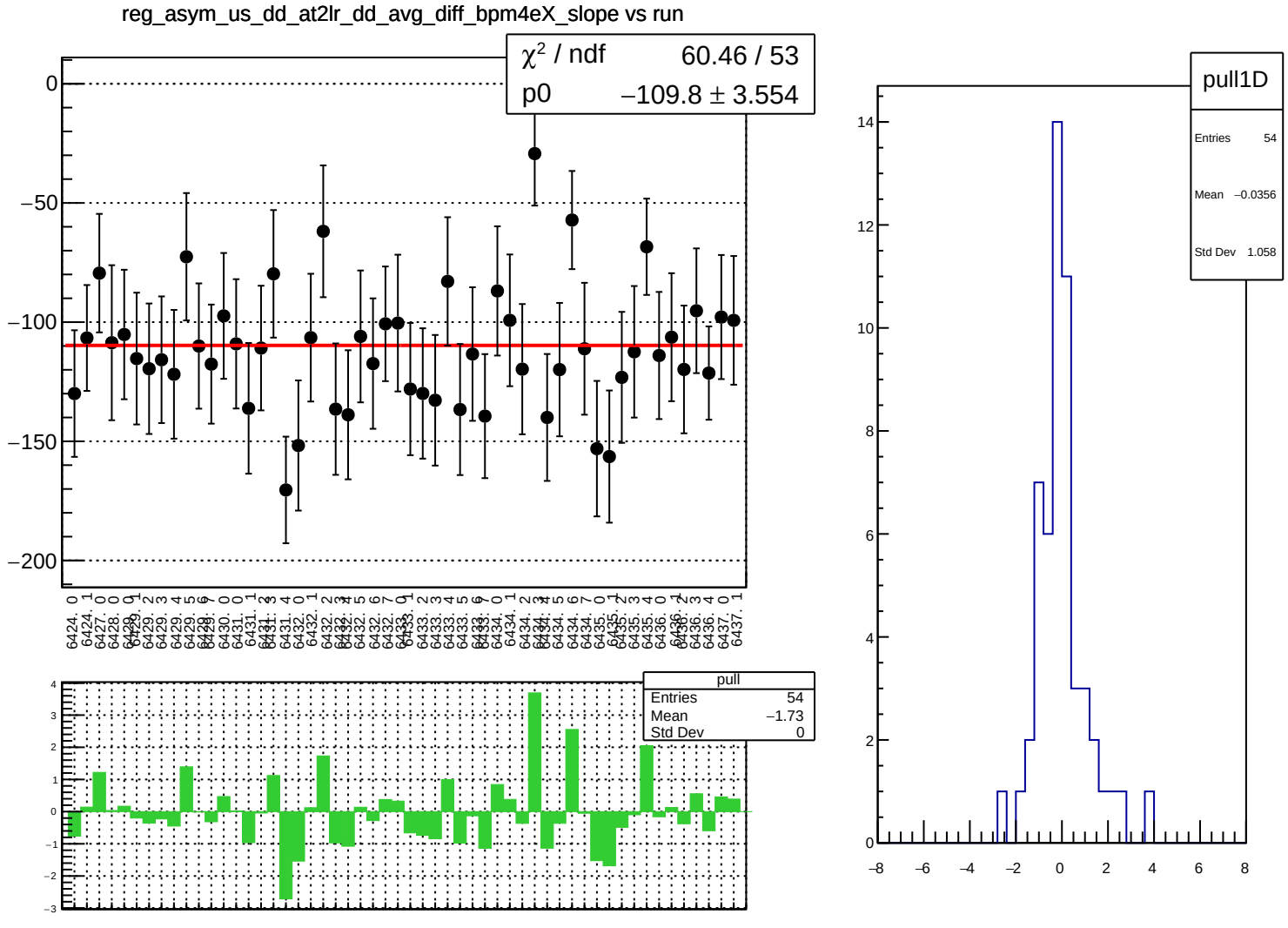

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 88.06 / 53
p0 −3.386 ± 0.1058
pull
Entries 54
Mean −251.9
Std Dev 0
pull1D
Entries 54
Mean −0.008088
Std Dev 1.277

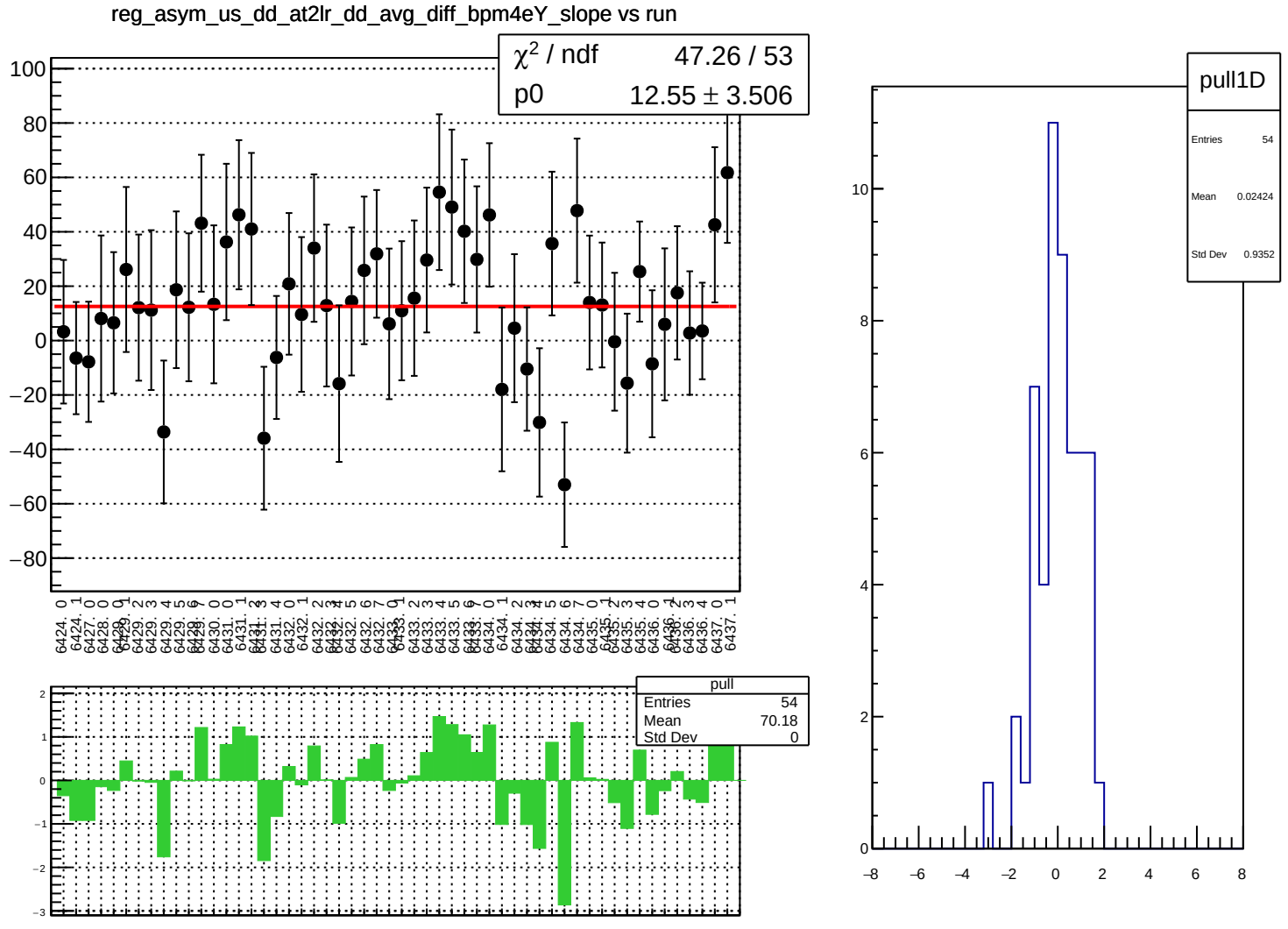

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 59.79 / 53
p0 −29.68 ± 3.4
pull
Entries 54
Mean −0.8035
Std Dev 0

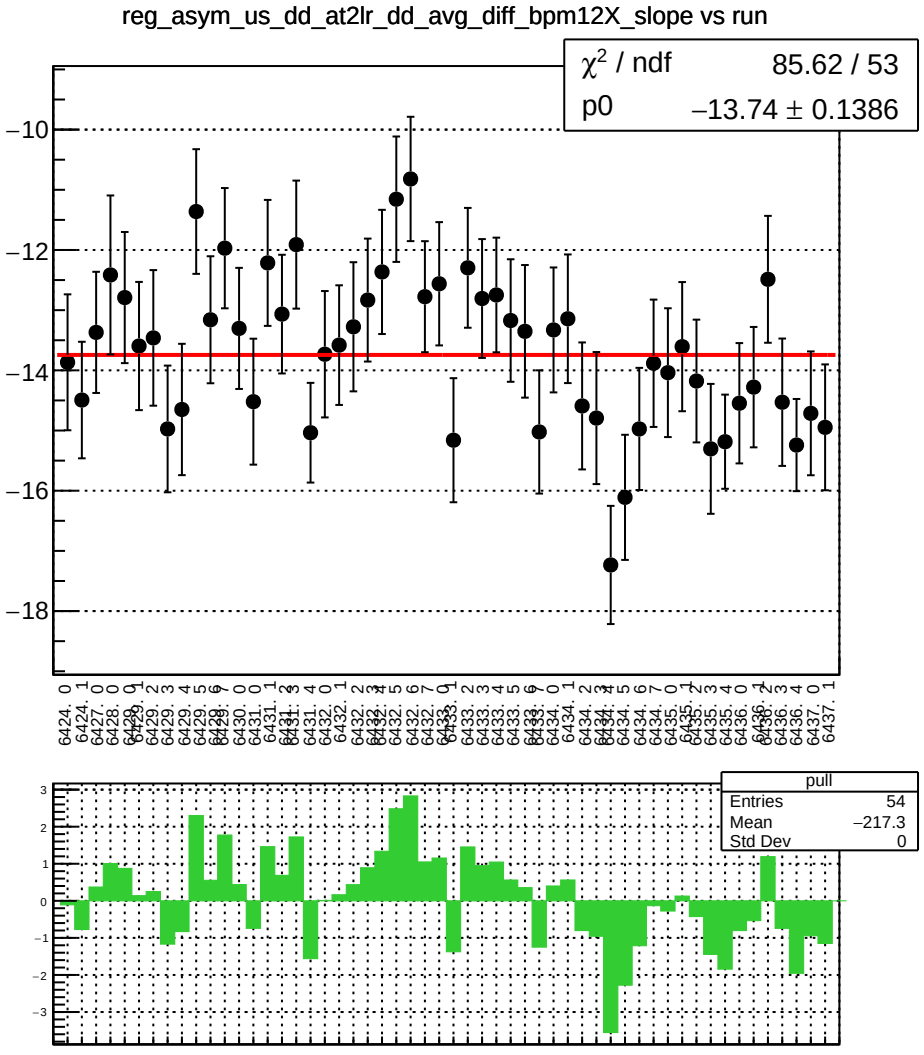

pull1D
Entries 54
Mean 0.0355
Std Dev 1.052

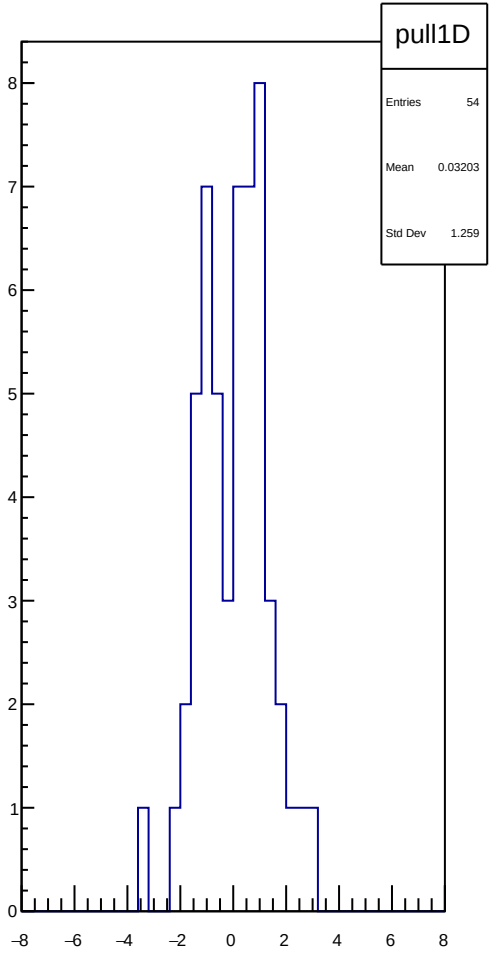

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.73 / 53
p0 −1.909 ± 3.443
pull
Entries 54
Mean 62.06
Std Dev 0

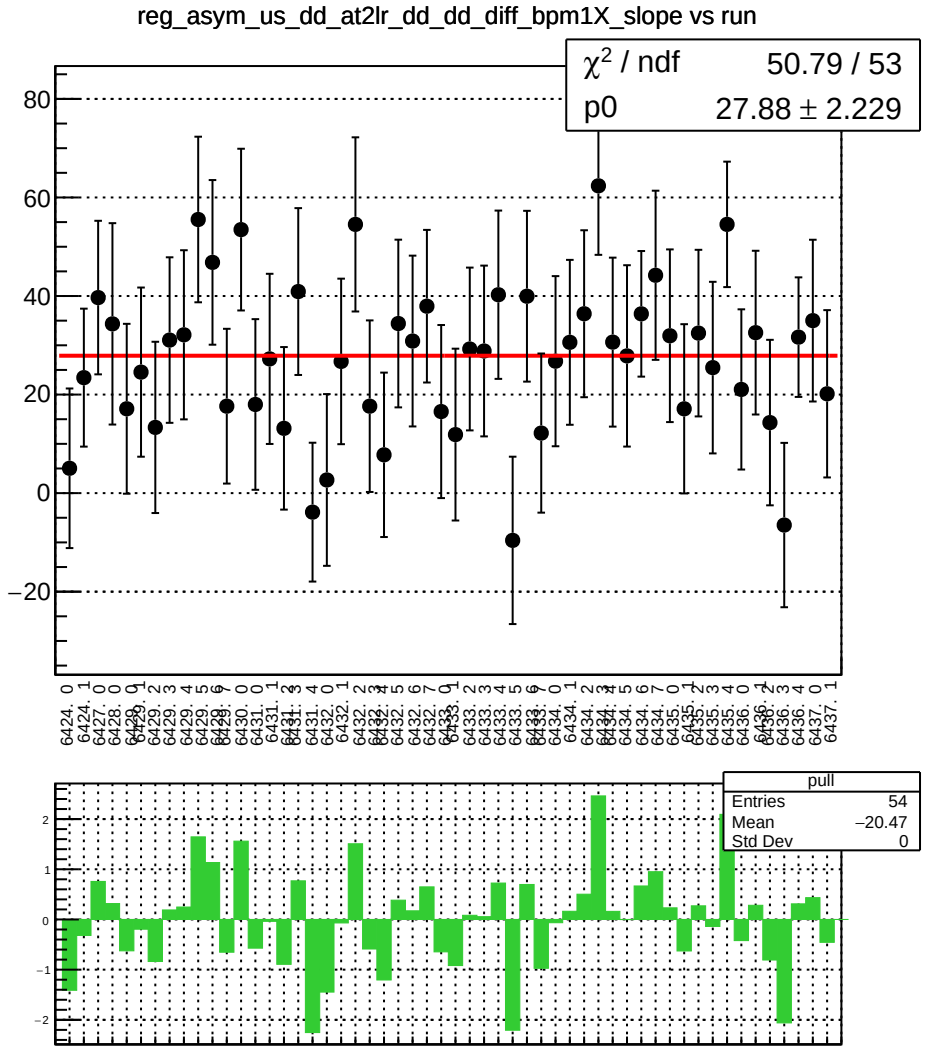

pull1D
Entries 54
Mean −0.02546
Std Dev 0.9593

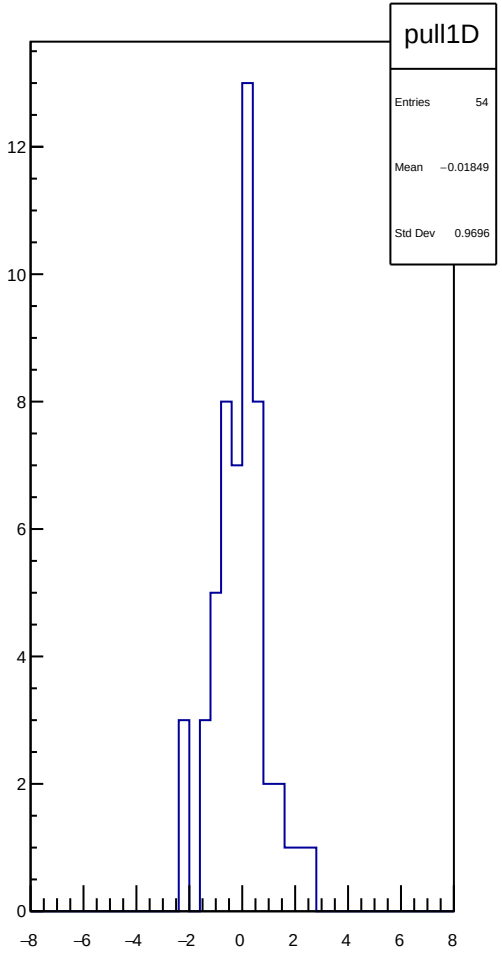

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.46 / 53
p0 −109.8 ± 3.554
pull
Entries 54
Mean −1.73
Std Dev 0
pull1D
Entries 54
Mean −0.0356
Std Dev 1.058

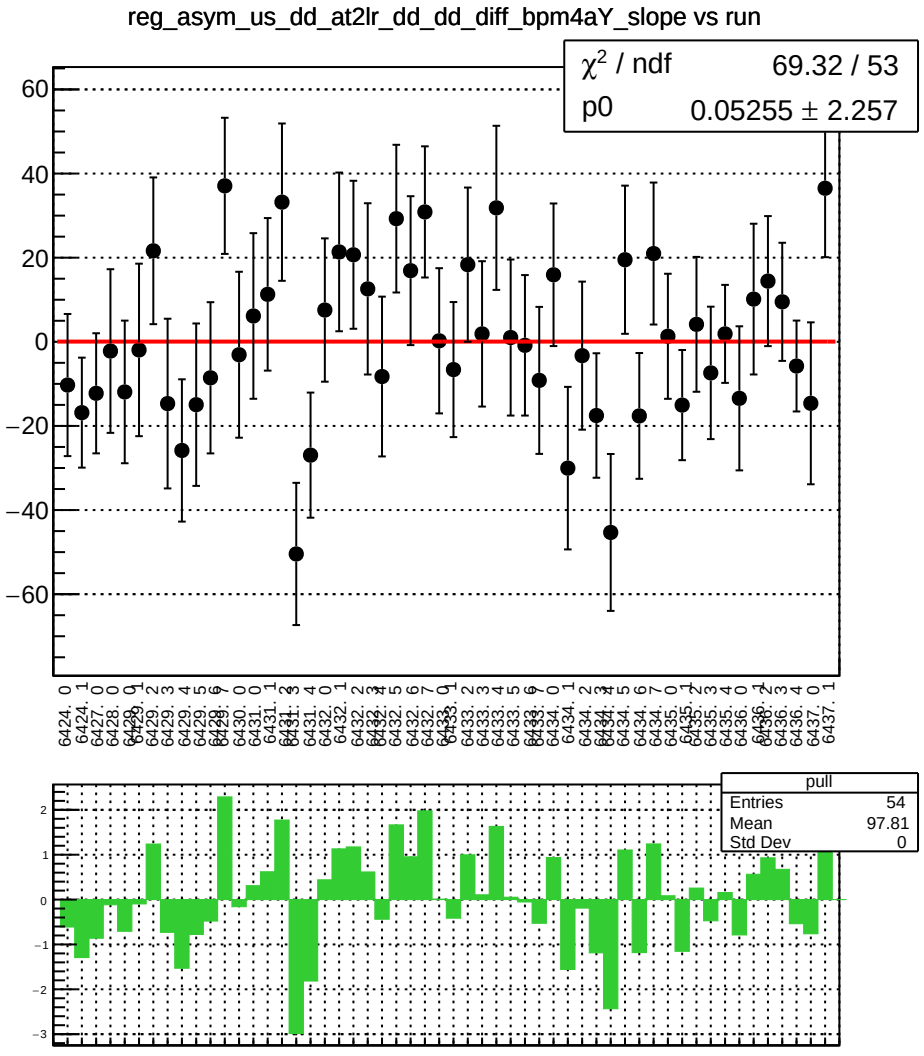

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.26 / 53
p0 12.55 ± 3.506
pull
Entries 54
Mean 70.18
Std Dev 0
pull1D
Entries 54
Mean 0.02424
Std Dev 0.9352

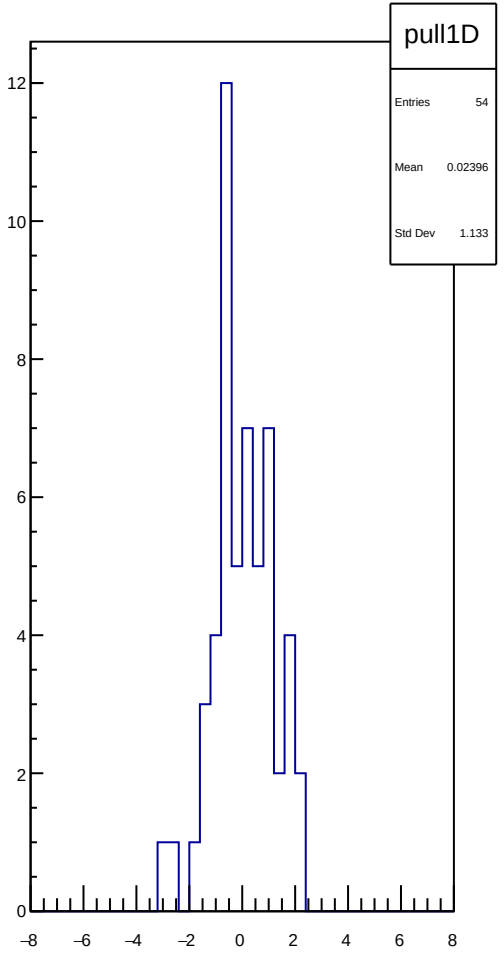

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 85.62 / 53
p0 −13.74 ± 0.1386
pull
Entries 54
Mean −217.3
Std Dev 0

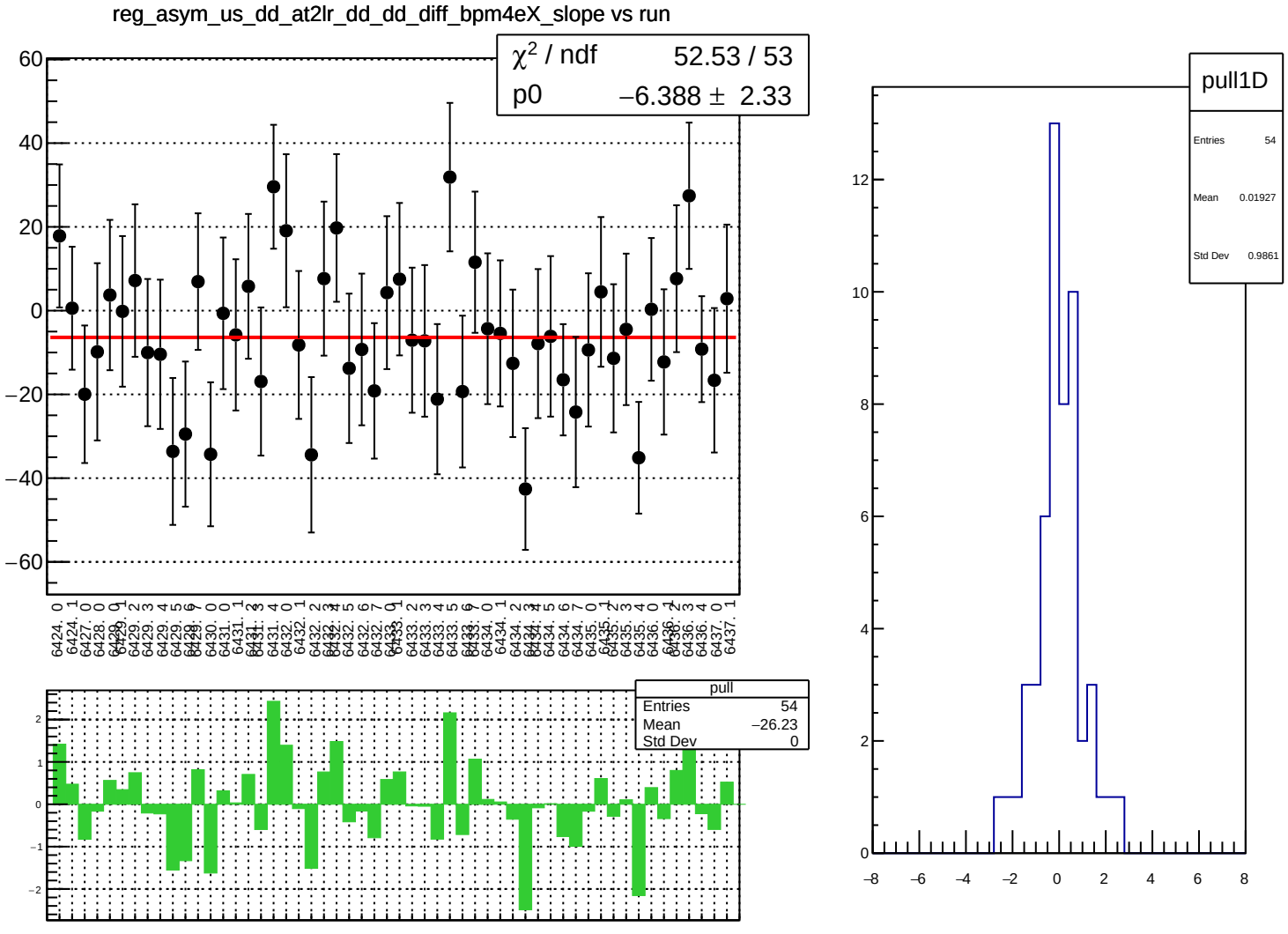

pull1D
Entries 54
Mean 0.03203
Std Dev 1.259

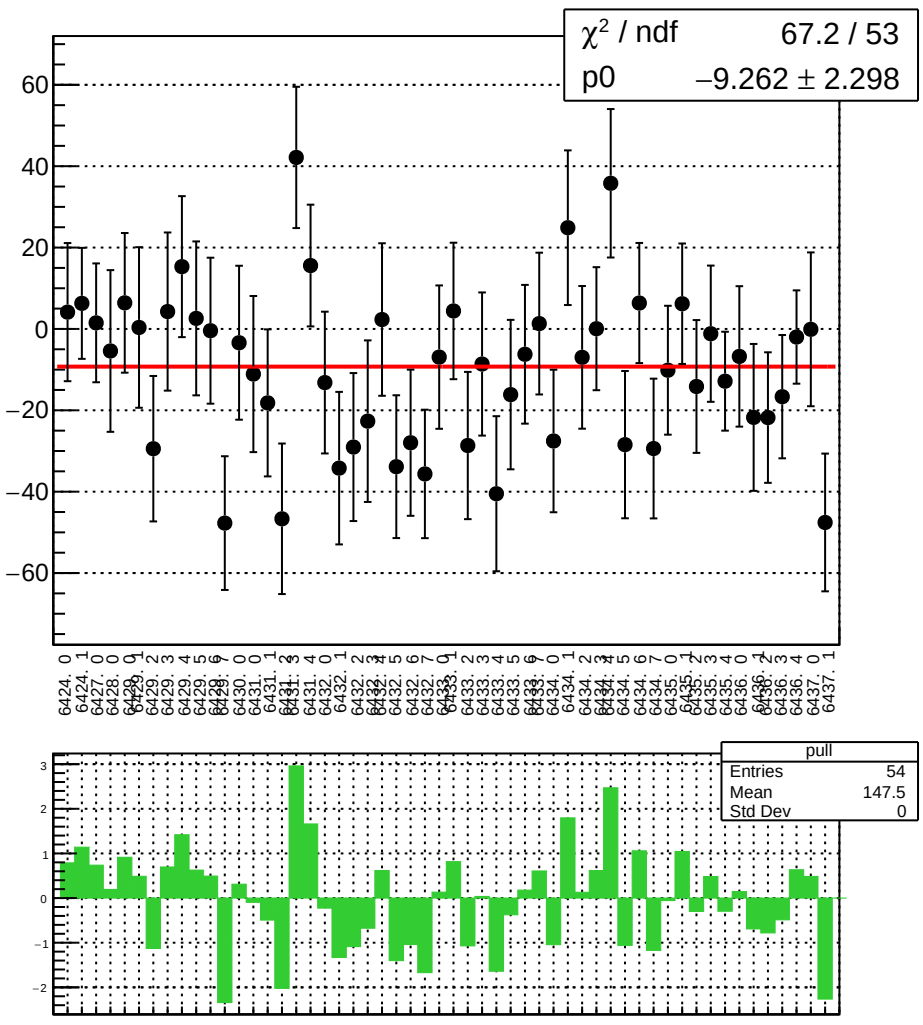

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 50.79 / 53
p0 27.88 ± 2.229
pull
Entries 54
Mean −20.47
Std Dev 0

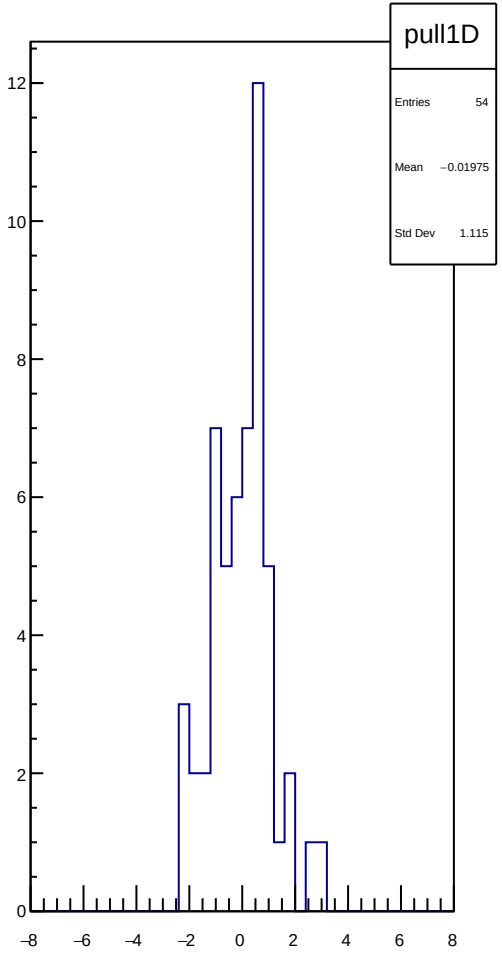

pull1D
Entries 54
Mean −0.01849
Std Dev 0.9696

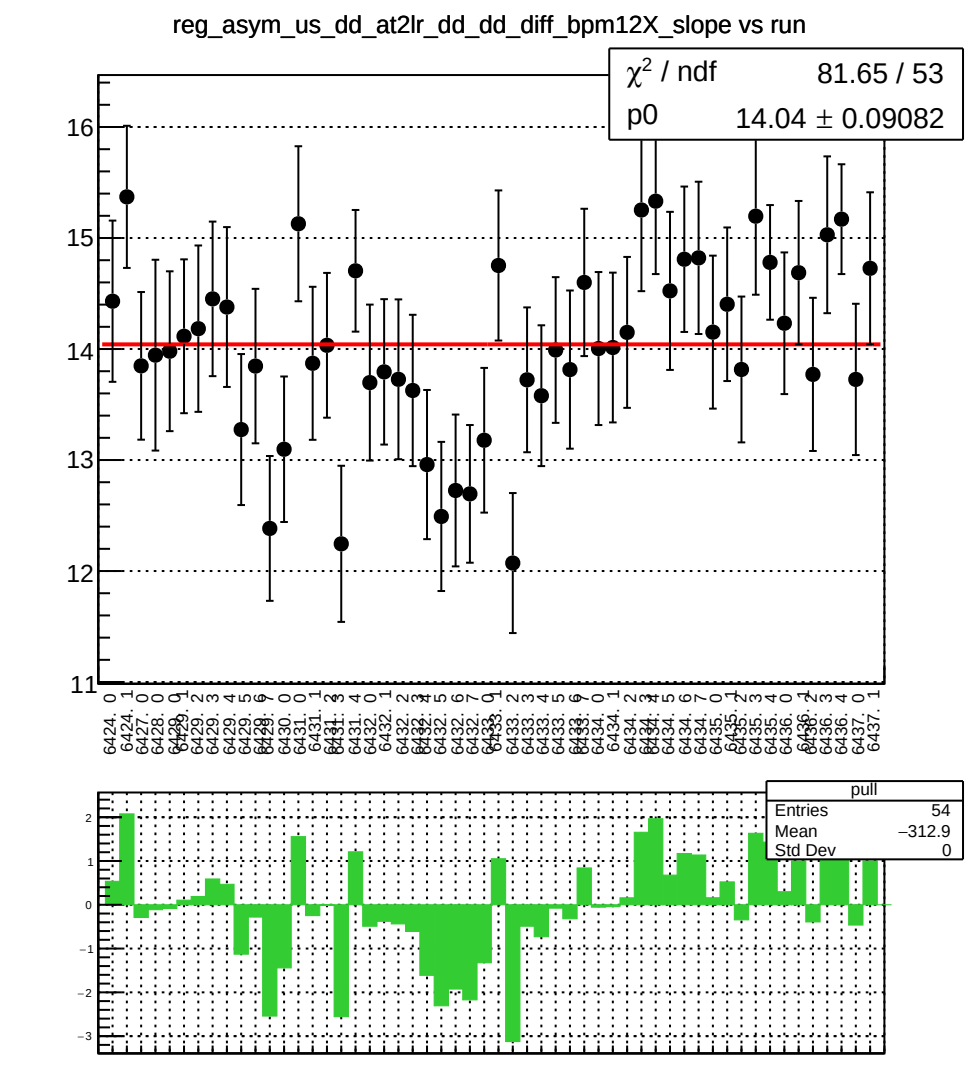

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.32 / 53
p0 0.05255 ± 2.257
pull
Entries 54
Mean 97.81
Std Dev 0

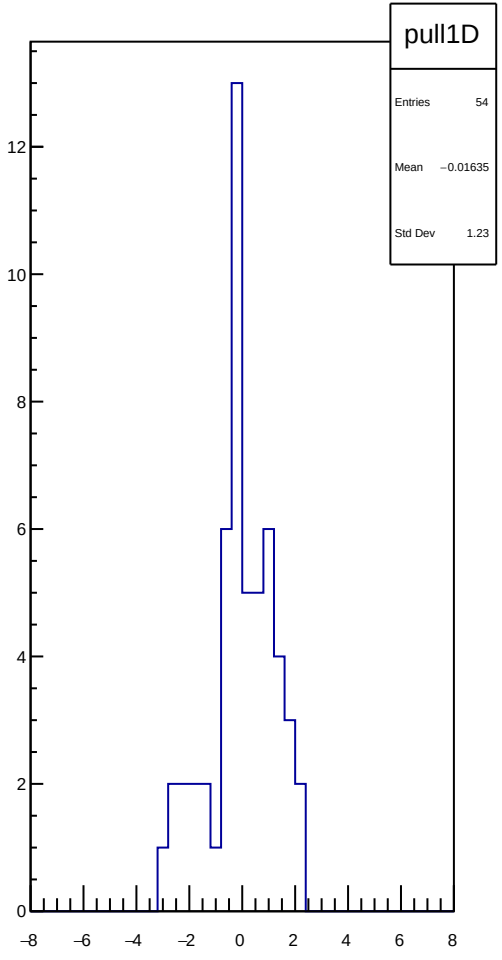

pull1D
Entries 54
Mean 0.02396
Std Dev 1.133

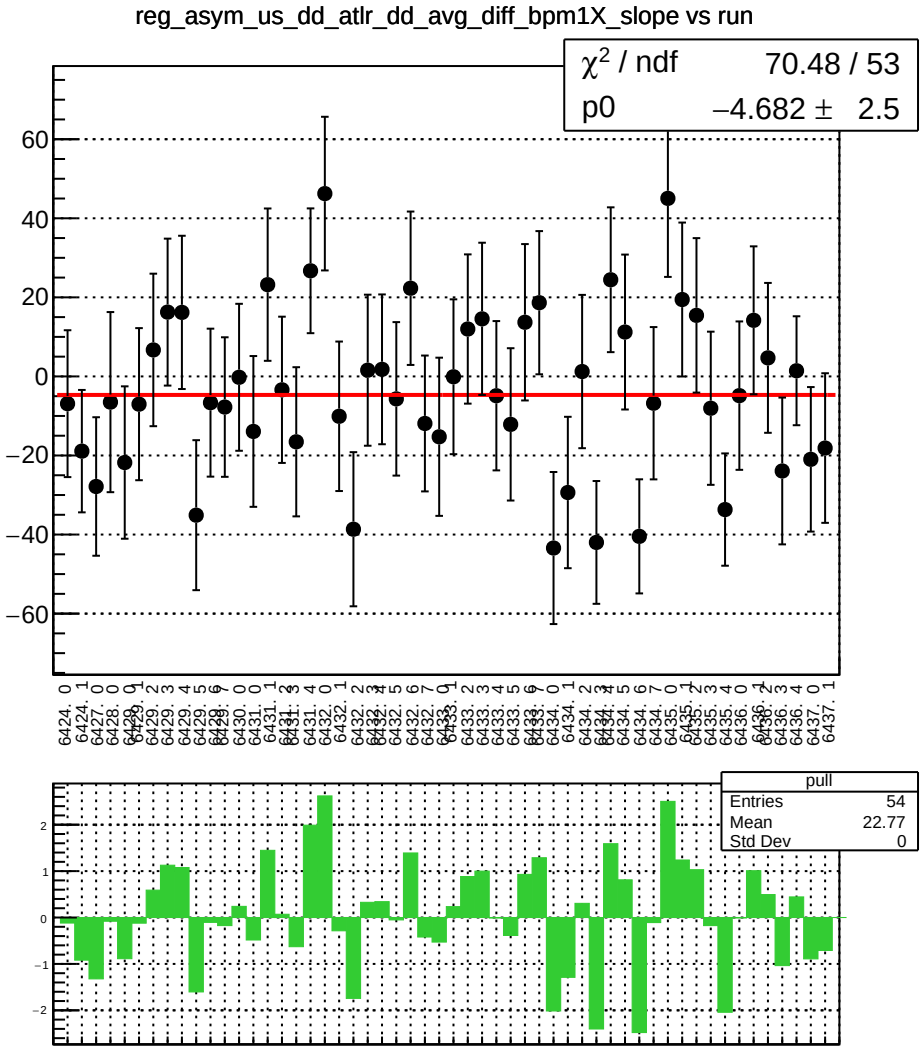

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.53 / 53
p0 −6.388 ± 2.33
pull
Entries 54
Mean −26.23
Std Dev 0
pull1D
Entries 54
Mean 0.01927
Std Dev 0.9861

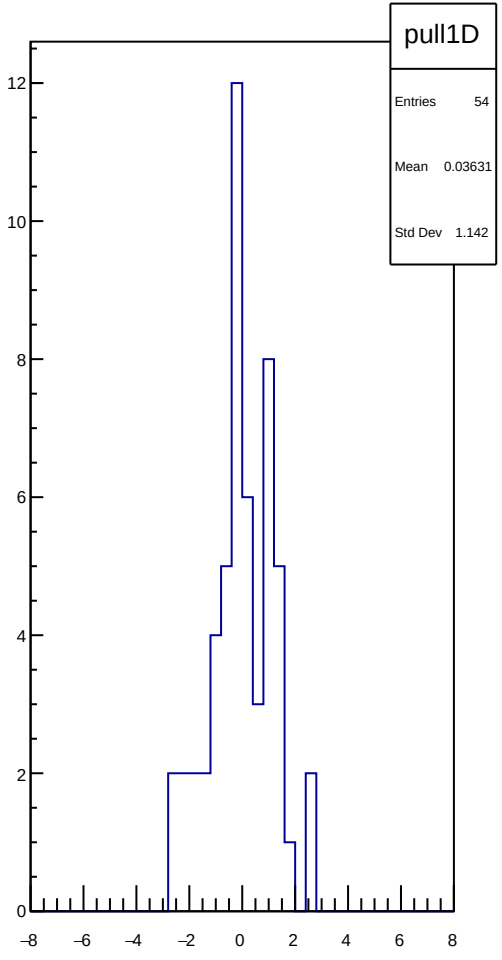

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.2 / 53
p0 −9.262 ± 2.298
pull
Entries 54
Mean 147.5
Std Dev 0

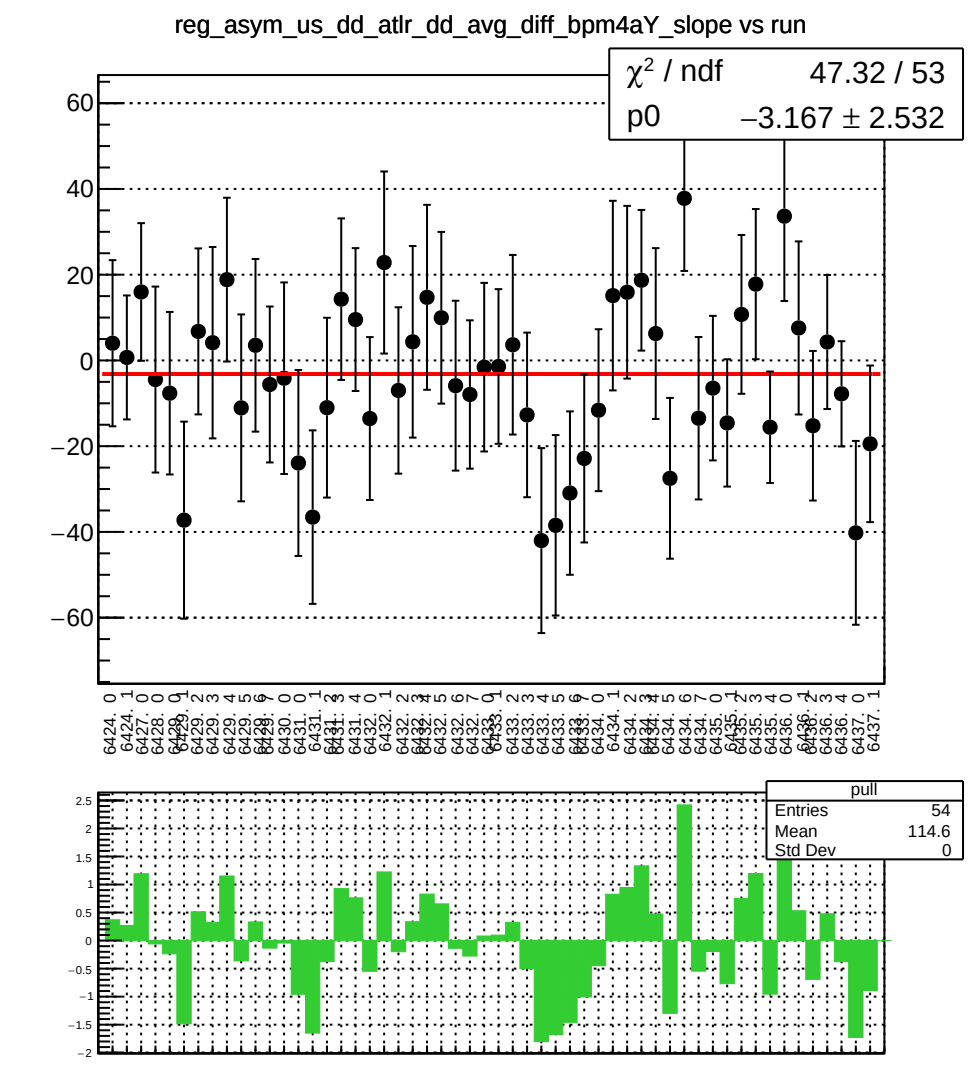

pull1D
Entries 54
Mean −0.01975
Std Dev 1.115

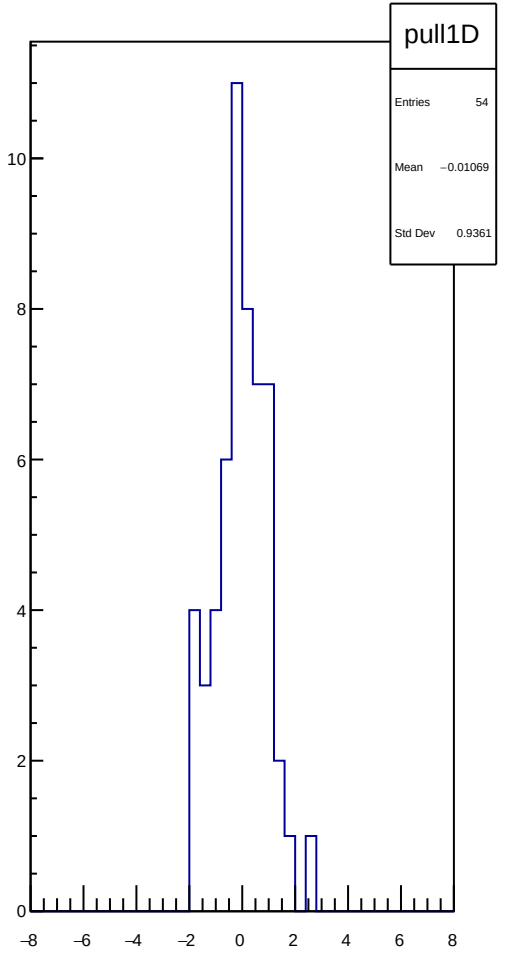

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 81.65 / 53
p0 14.04 ± 0.09082
pull
Entries 54
Mean −312.9
Std Dev 0

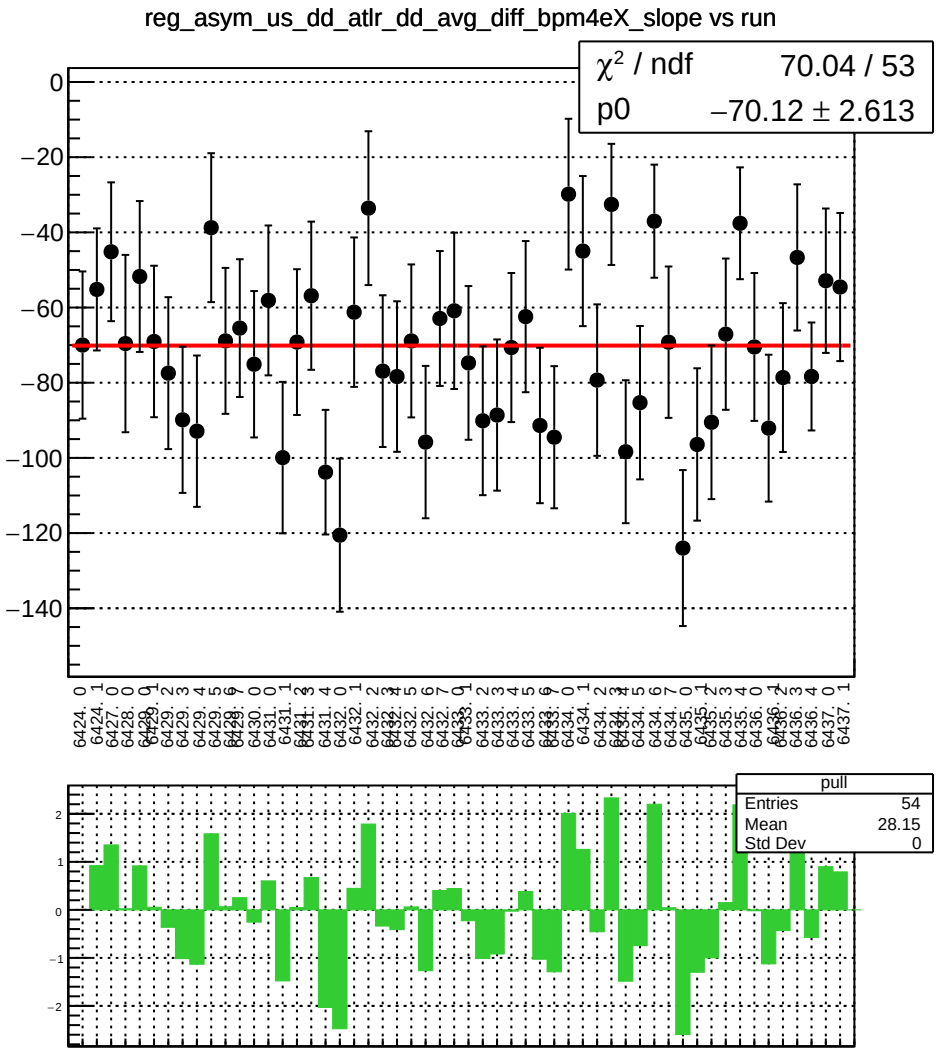

pull1D
Entries 54
Mean −0.01635
Std Dev 1.23

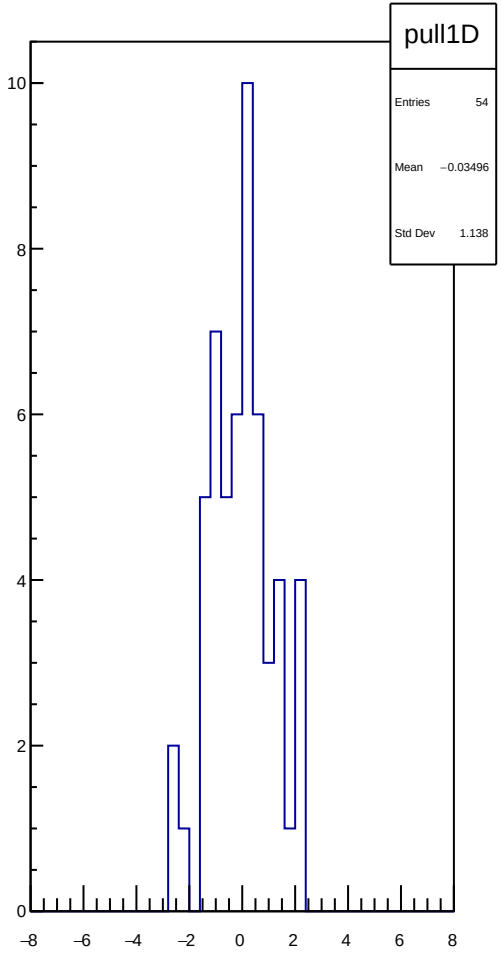

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 70.48 / 53
p0 −4.682 ± 2.5
pull
Entries 54
Mean 22.77
Std Dev 0

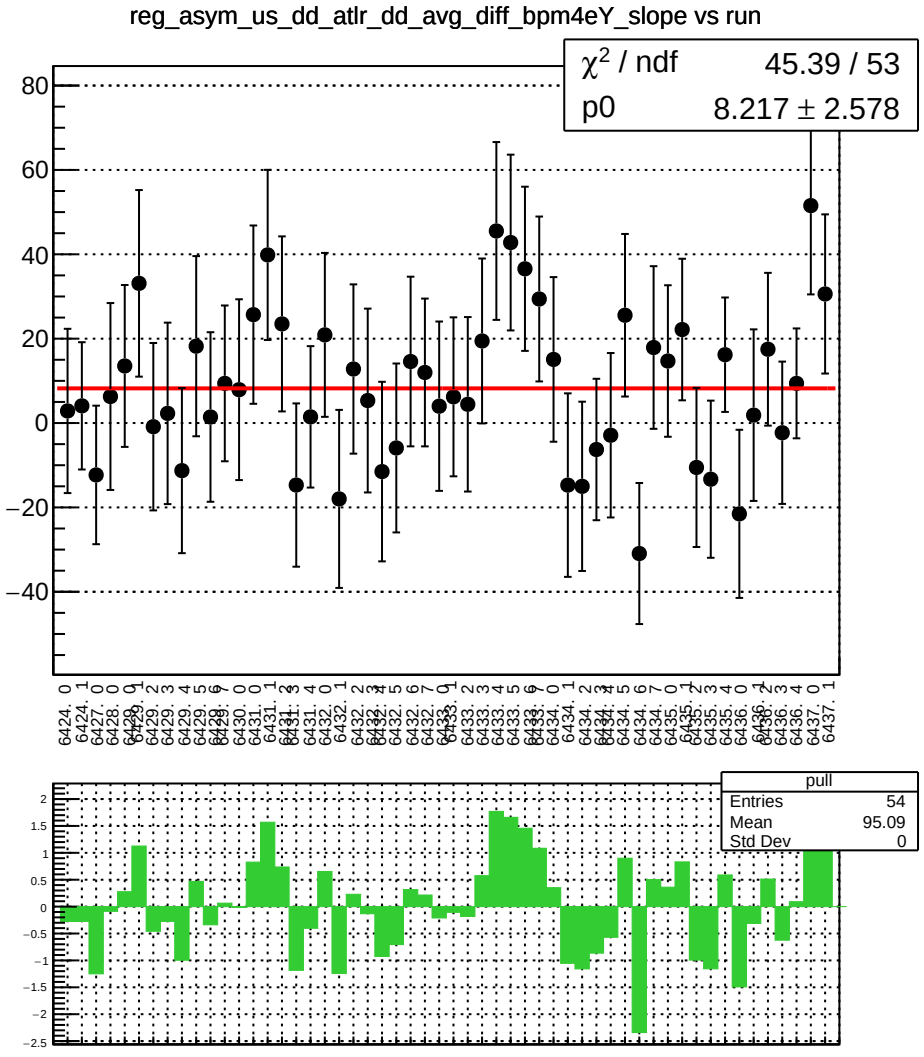

pull1D
Entries 54
Mean 0.03631
Std Dev 1.142

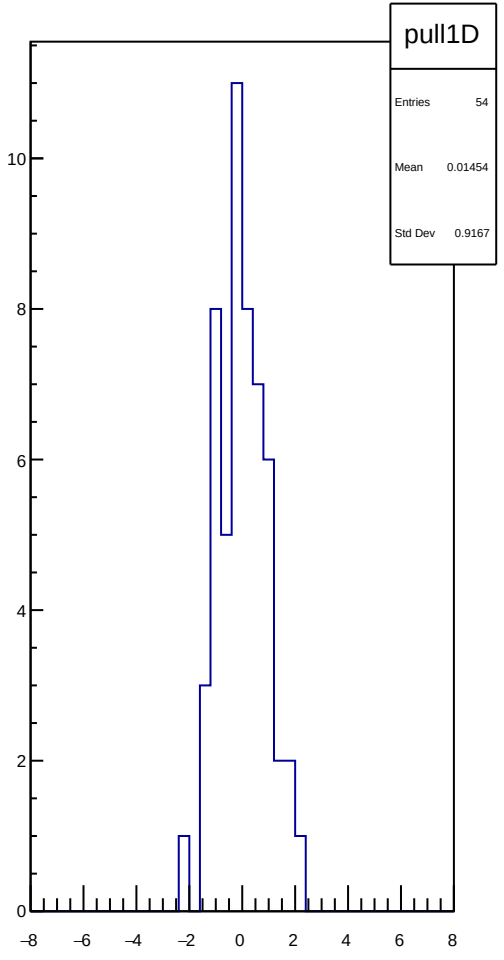

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.32 / 53
p0 −3.167 ± 2.532
pull
Entries 54
Mean 114.6
Std Dev 0

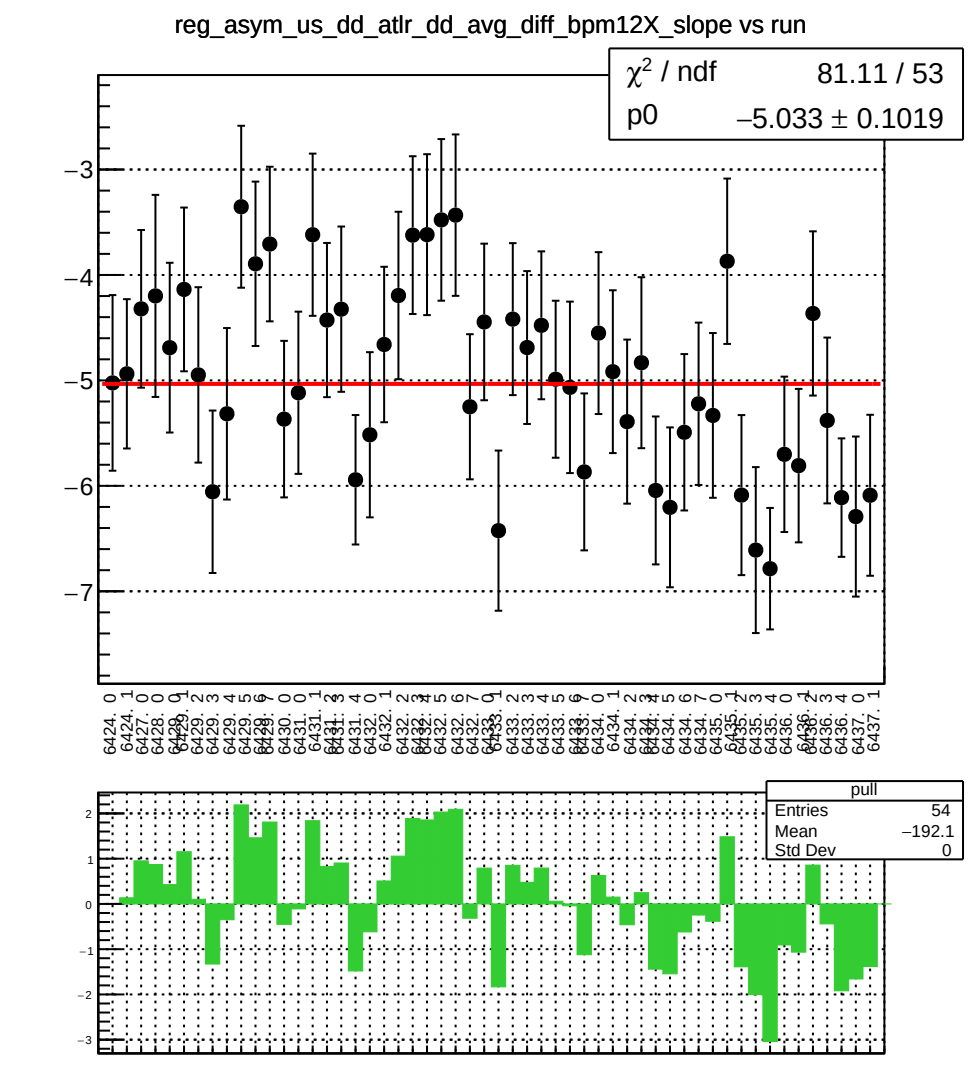

pull1D
Entries 54
Mean −0.01069
Std Dev 0.9361

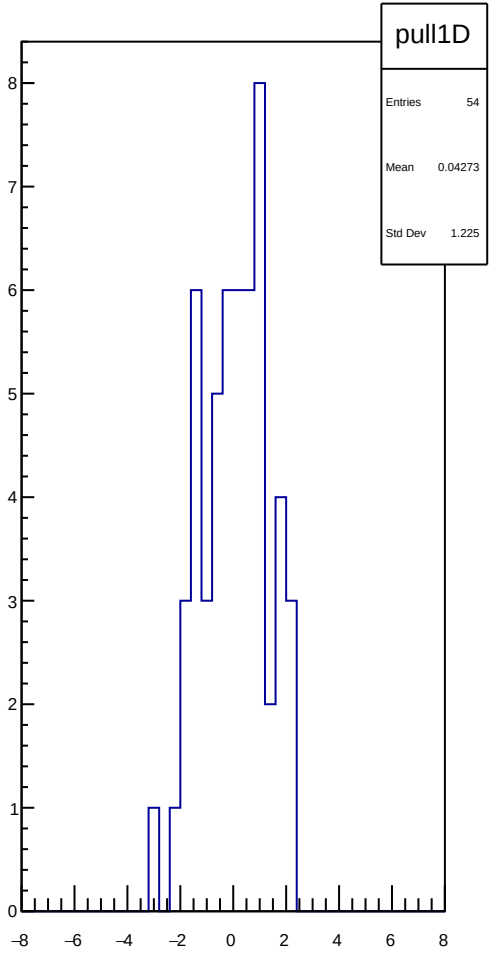

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.04 / 53
p0 −70.12 ± 2.613
pull
Entries 54
Mean 28.15
Std Dev 0

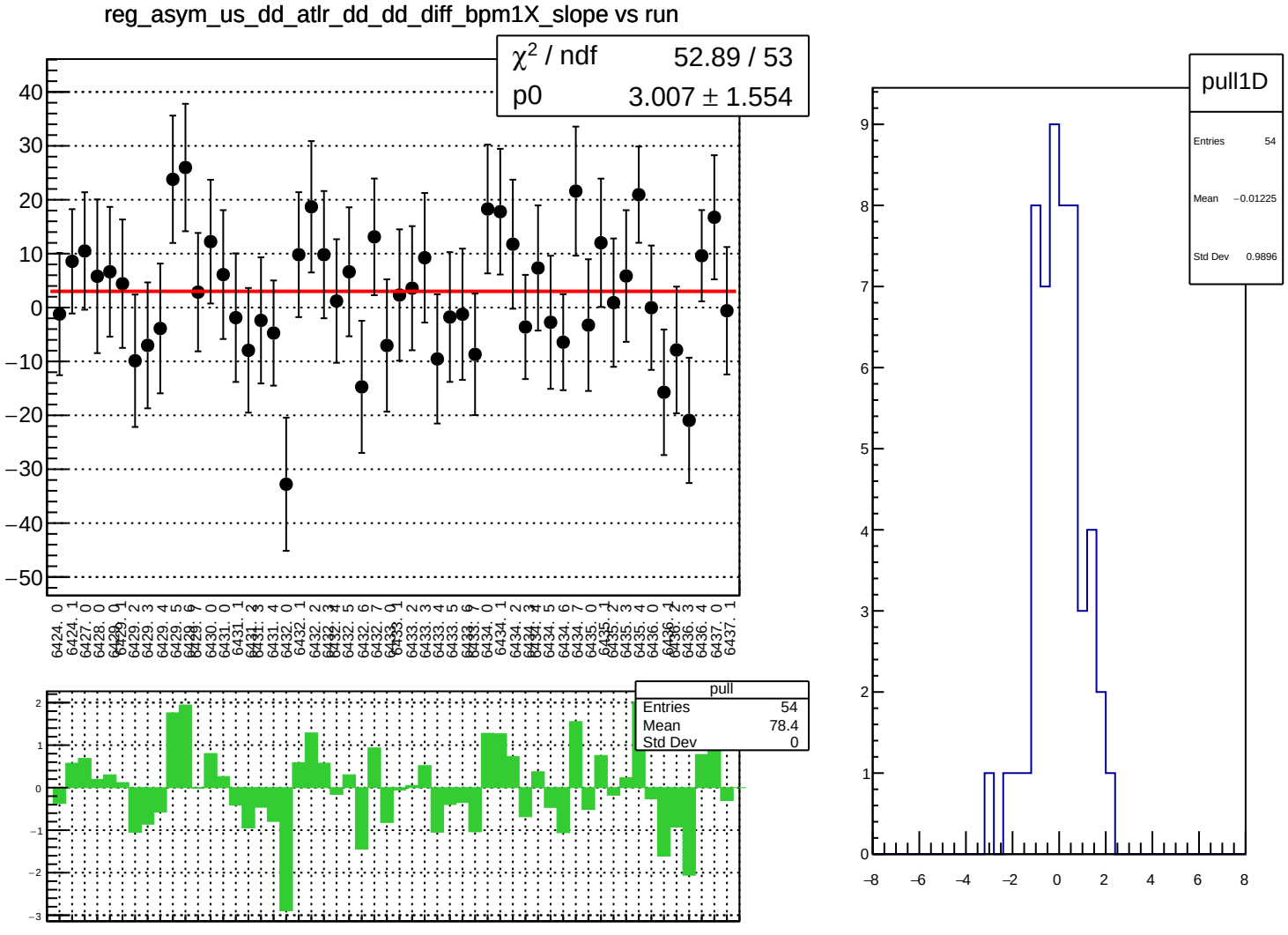

pull1D
Entries 54
Mean −0.03496
Std Dev 1.138

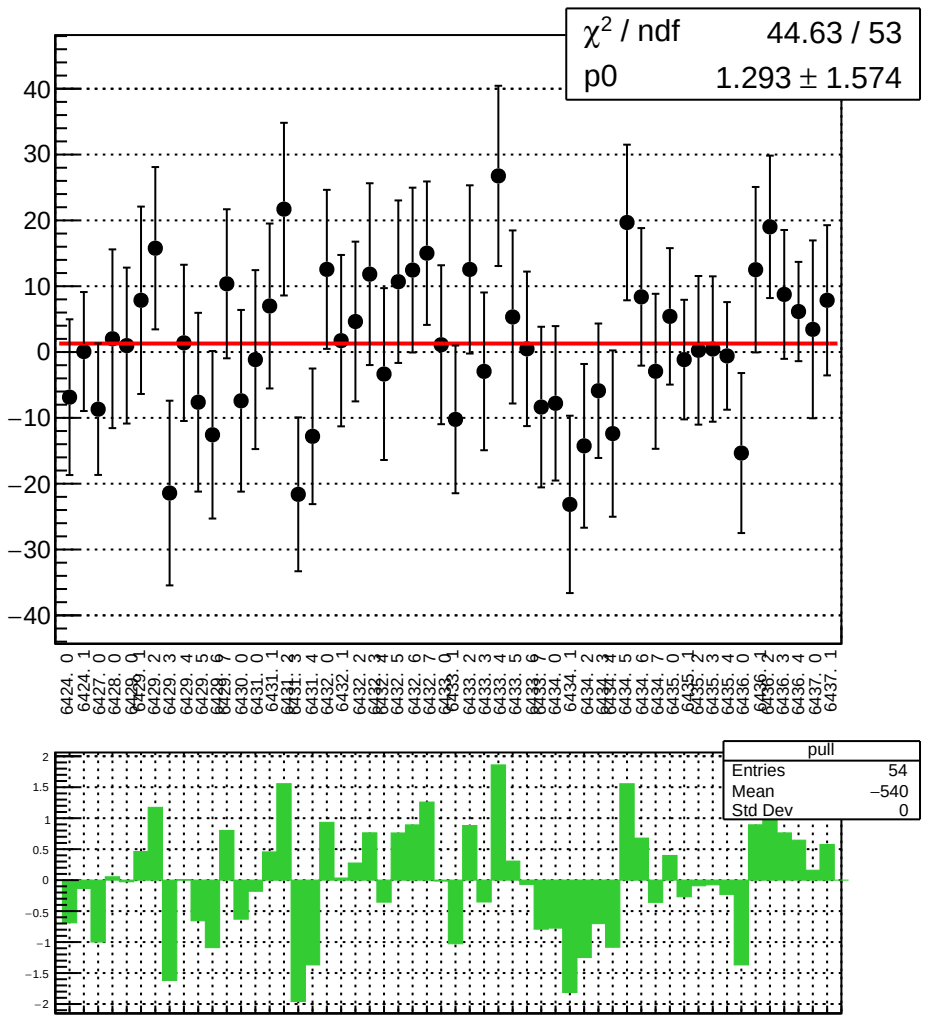

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.39 / 53
p0 8.217 ± 2.578
pull
Entries 54
Mean 95.09
Std Dev 0

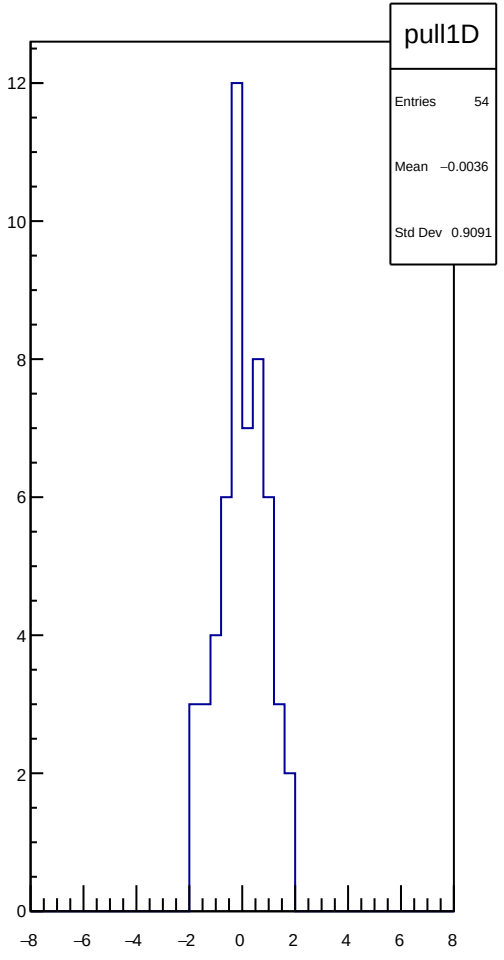

pull1D
Entries 54
Mean 0.01454
Std Dev 0.9167

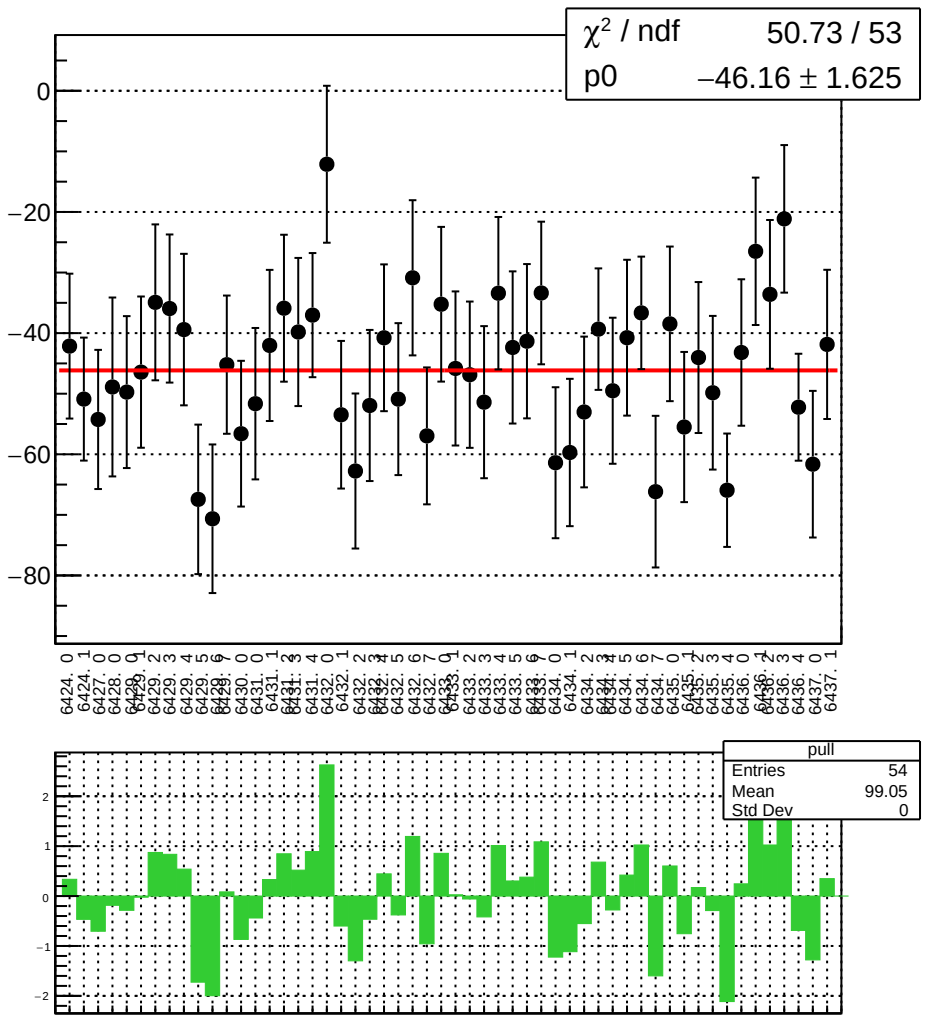

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 81.11 / 53
p0 −5.033 ± 0.1019
pull
Entries 54
Mean −192.1
Std Dev 0

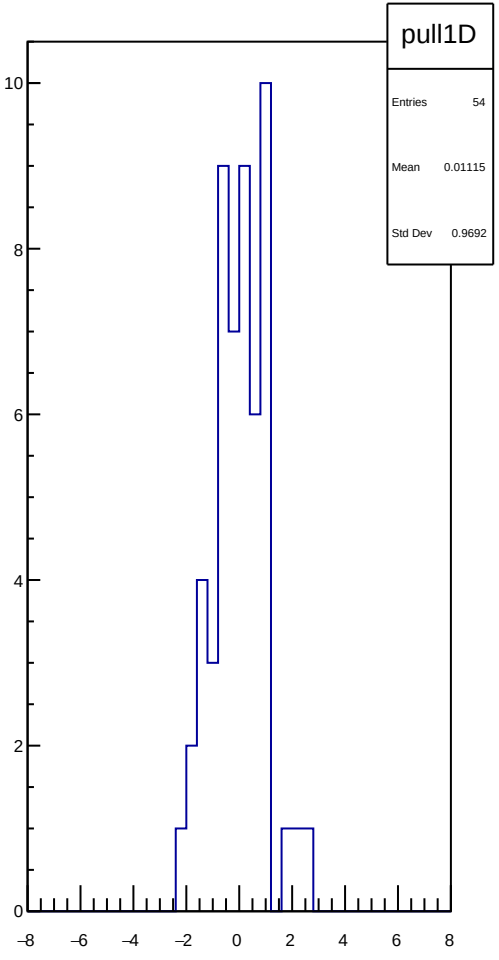

pull1D
Entries 54
Mean 0.04273
Std Dev 1.225

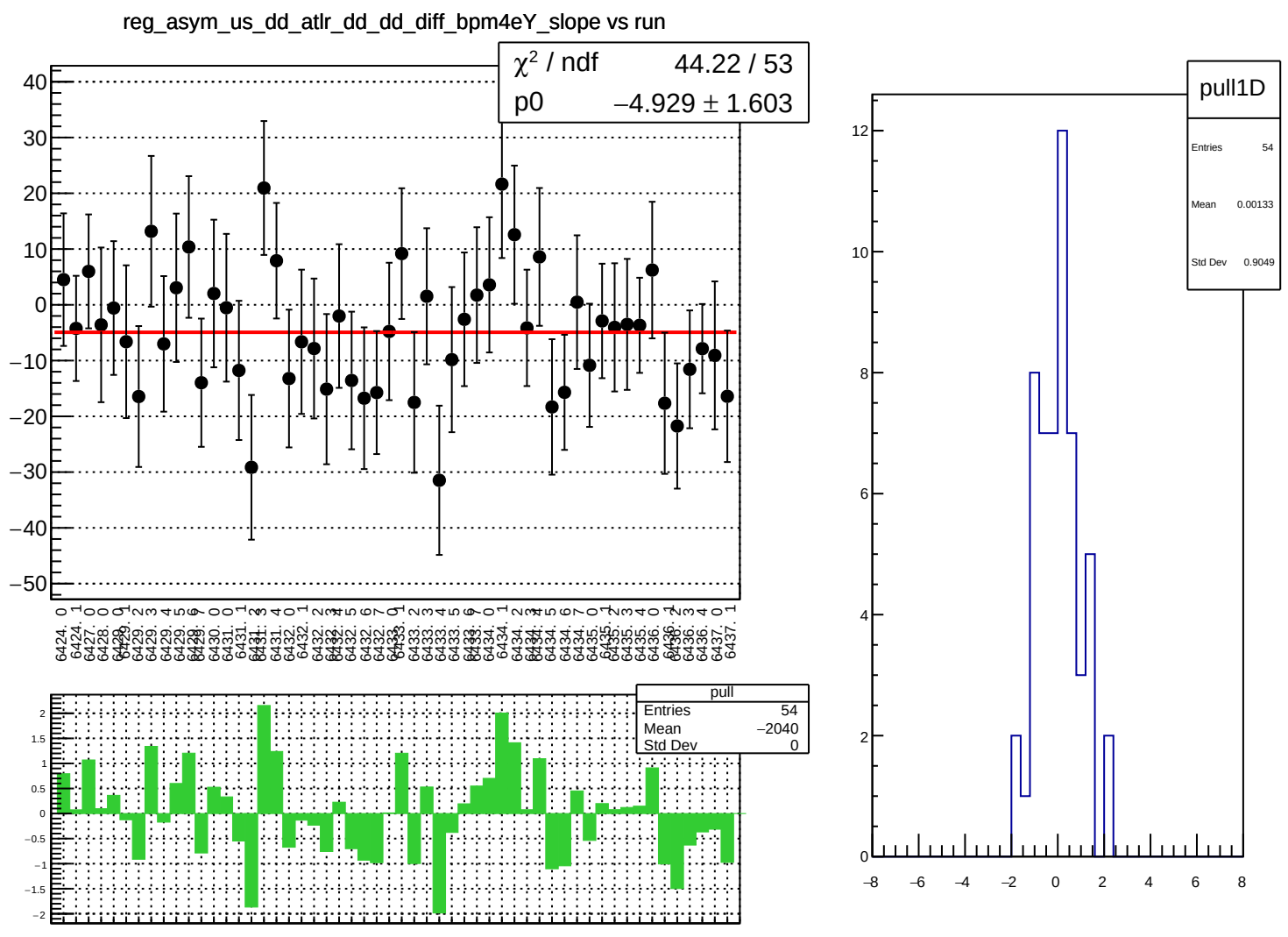

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 52.89 / 53
p0 3.007 ± 1.554
pull
Entries 54
Mean 78.4
Std Dev 0
pull1D
Entries 54
Mean −0.01225
Std Dev 0.9896

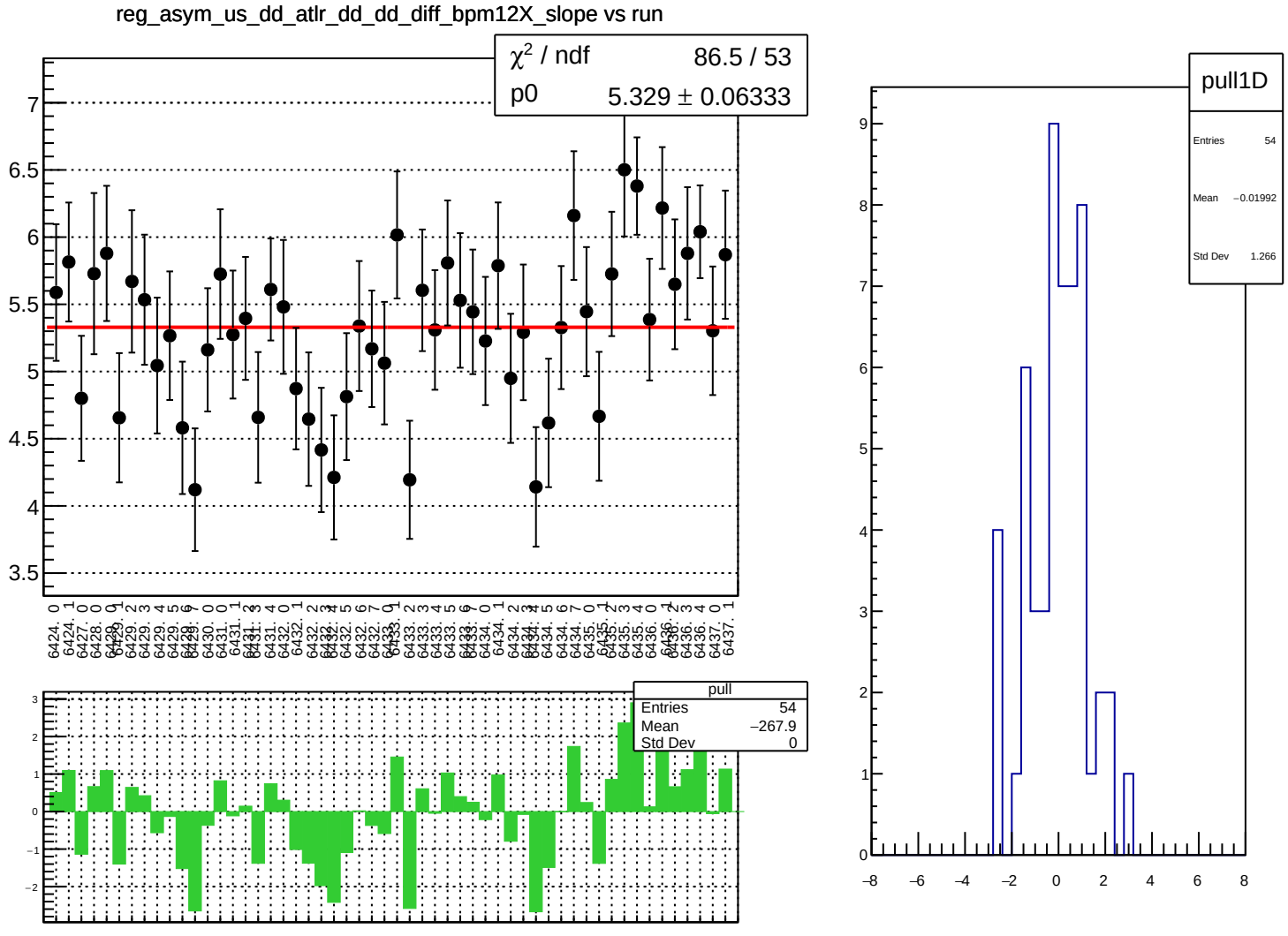

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.63 / 53
p0 1.293 ± 1.574
pull
Entries 54
Mean −540
Std Dev 0

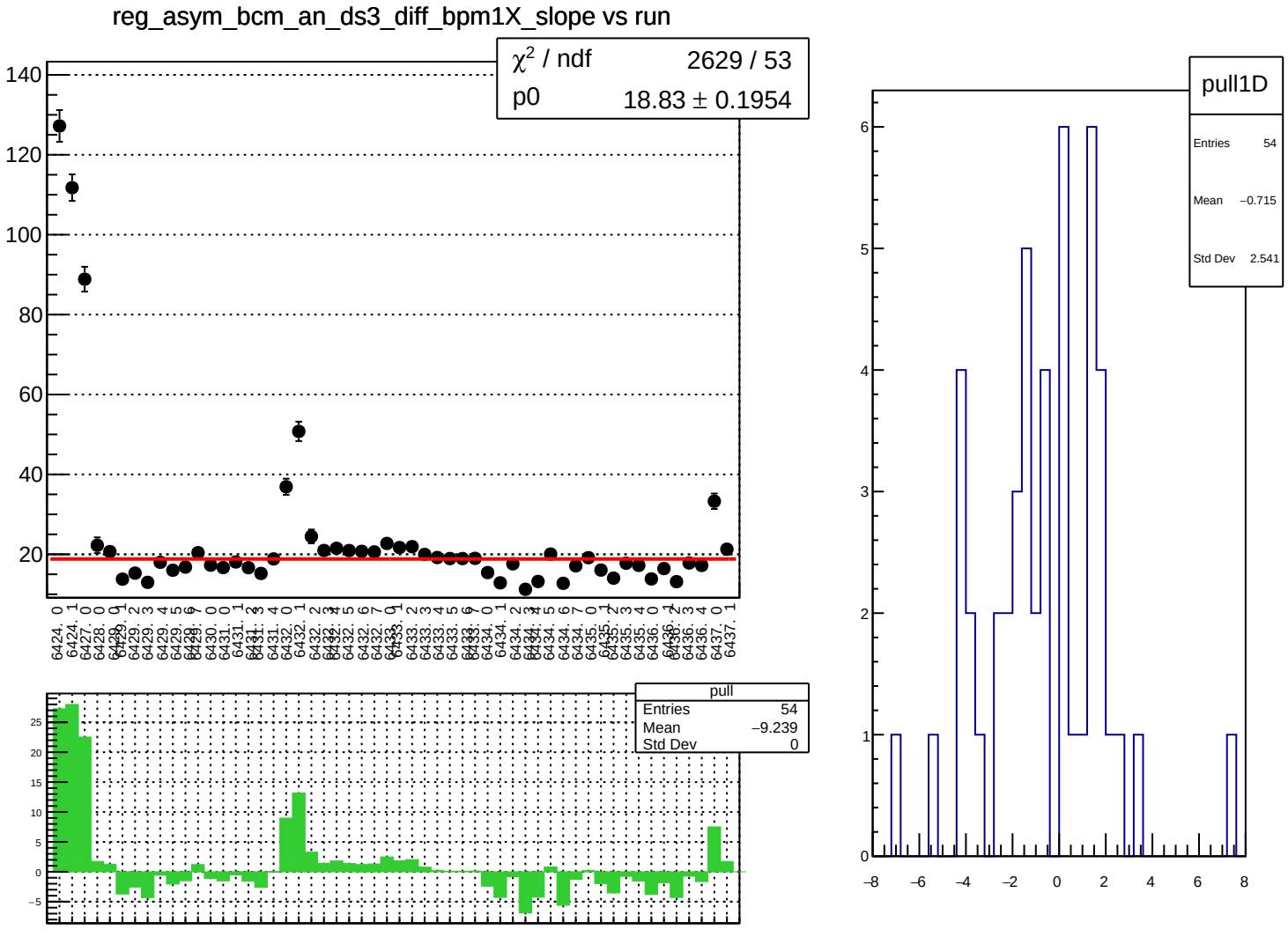

pull1D
Entries 54
Mean −0.0036
Std Dev 0.9091

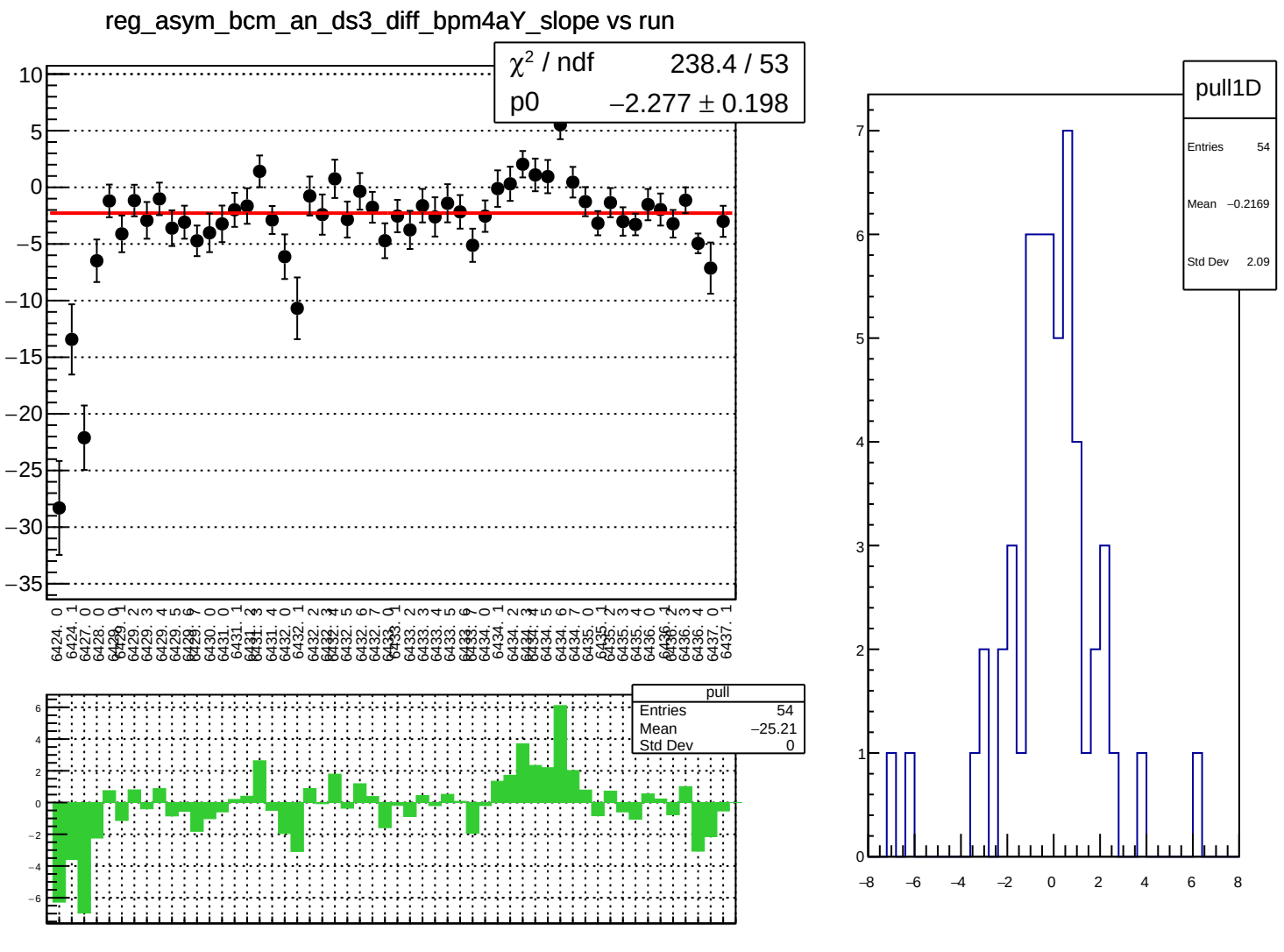

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.73 / 53
p0 −46.16 ± 1.625
pull
Entries 54
Mean 99.05
Std Dev 0

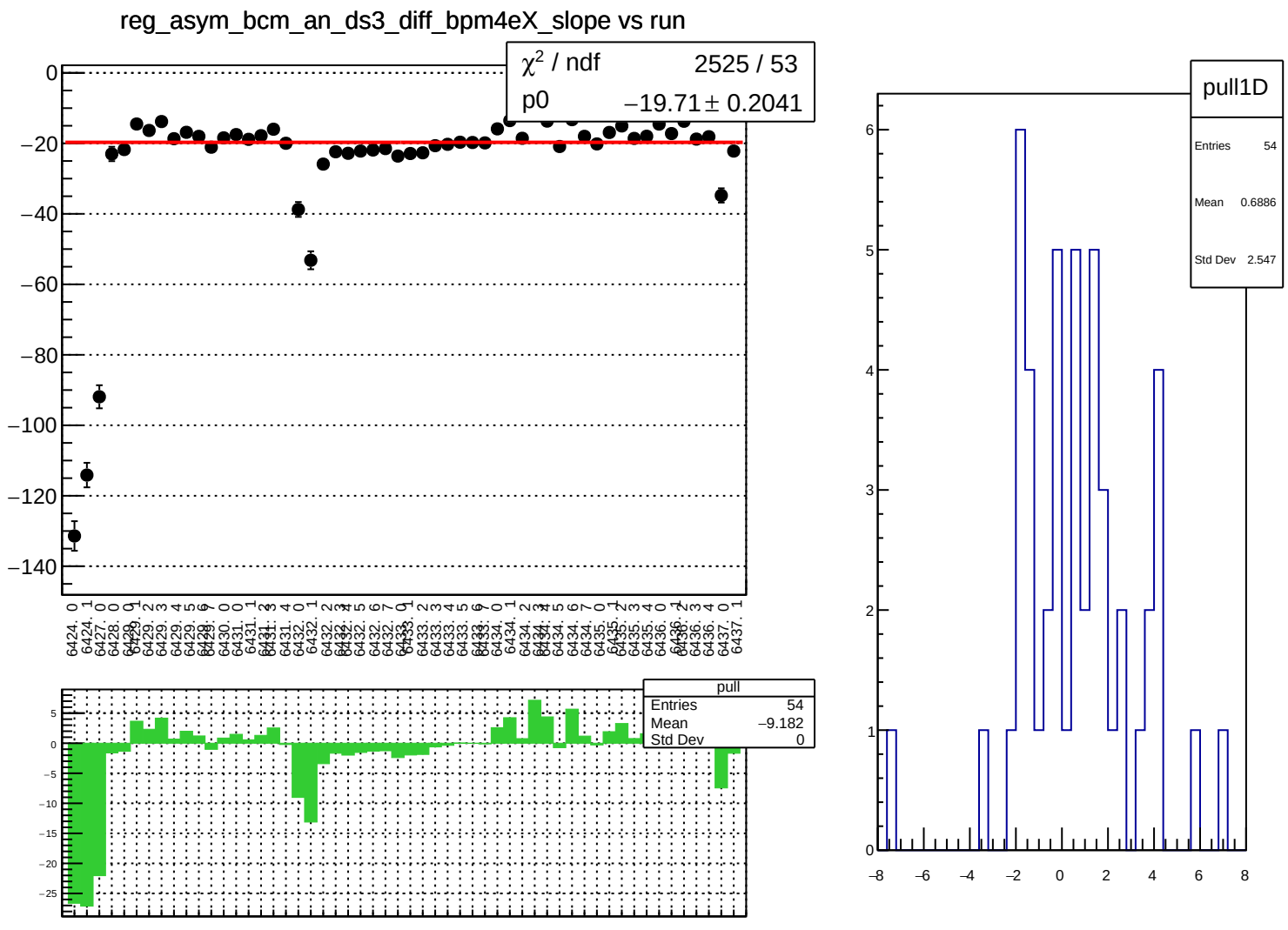

pull1D
Entries 54
Mean 0.01115
Std Dev 0.9692

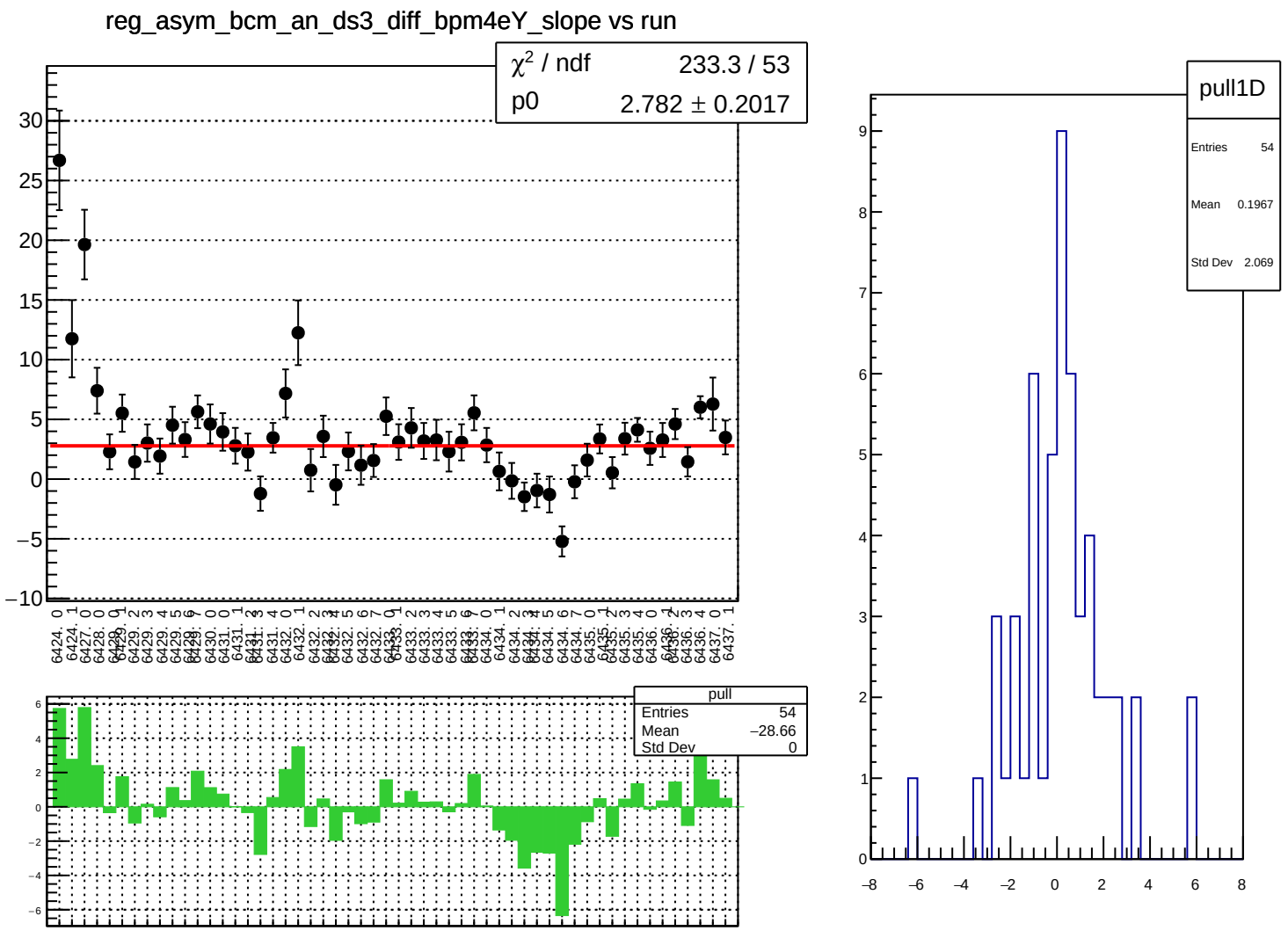

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.22 / 53
p0 −4.929 ± 1.603
pull
Entries 54
Mean −2040
Std Dev 0
pull1D
Entries 54
Mean 0.00133
Std Dev 0.9049

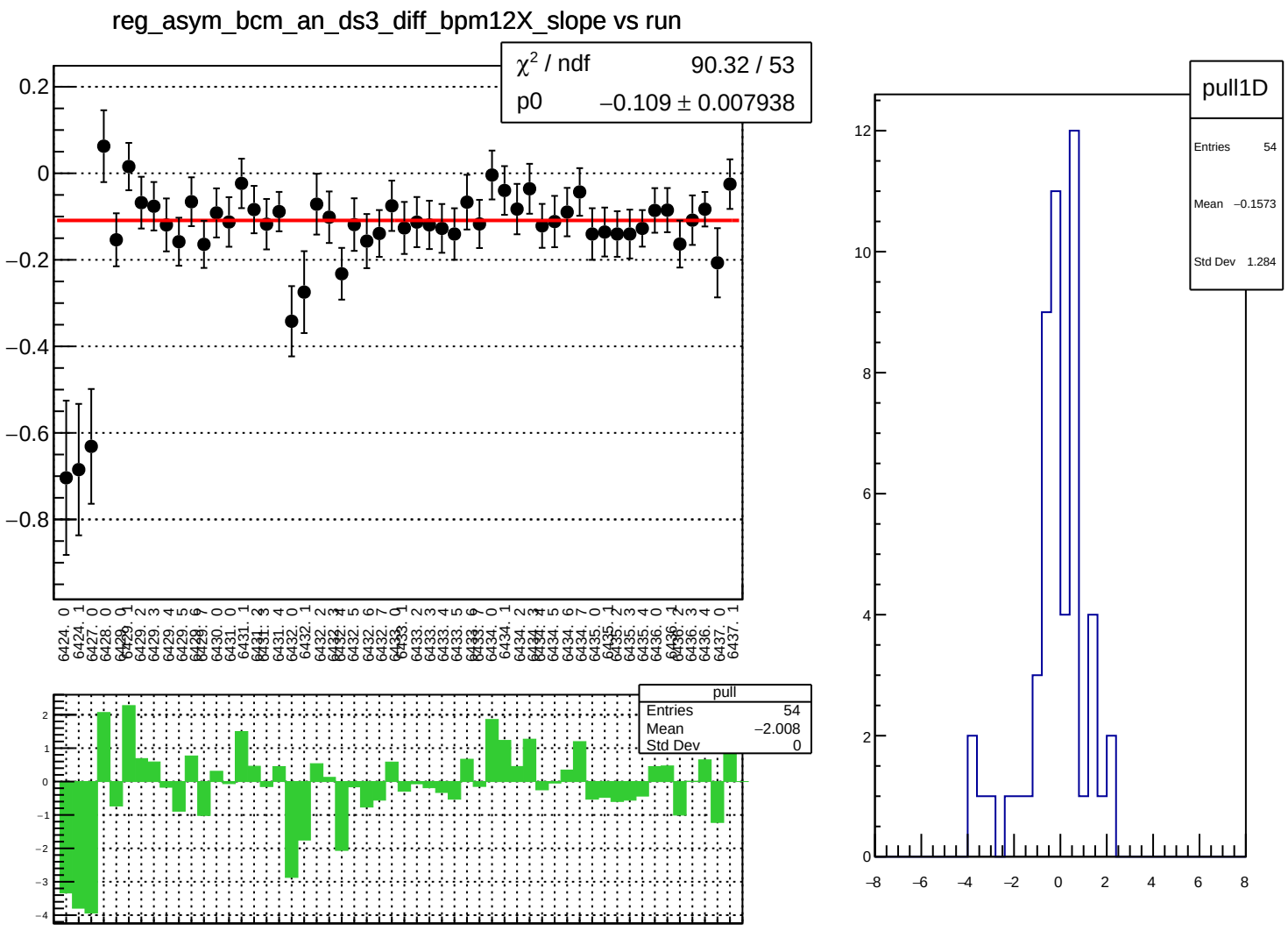

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 86.5 / 53
p0 5.329 ± 0.06333
pull
Entries 54
Mean −267.9
Std Dev 0
pull1D
Entries 54
Mean −0.01992
Std Dev 1.266

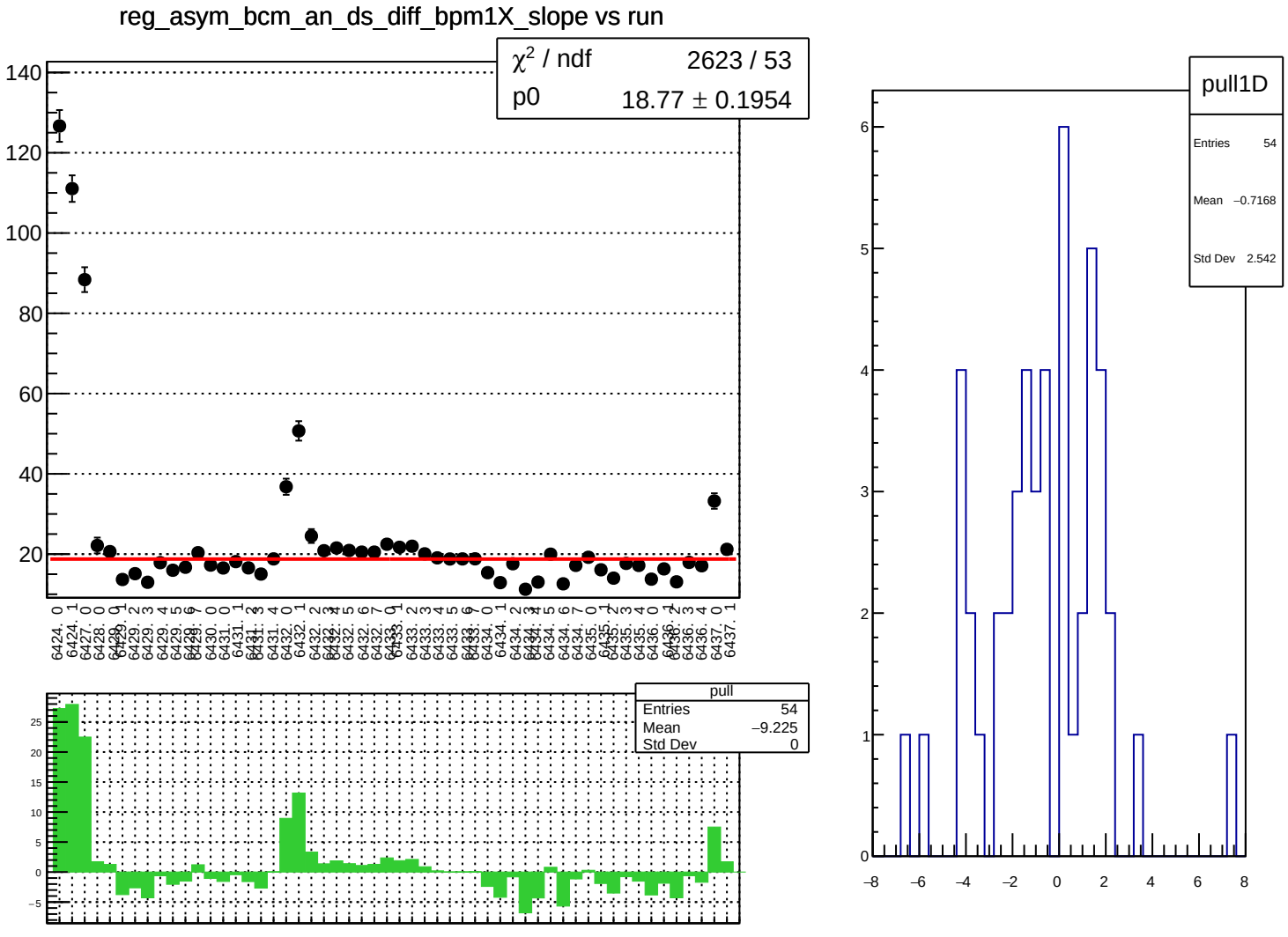

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2629 / 53
p0 18.83 ± 0.1954
pull
Entries 54
Mean −9.239
Std Dev 0
pull1D
Entries 54
Mean −0.715
Std Dev 2.541

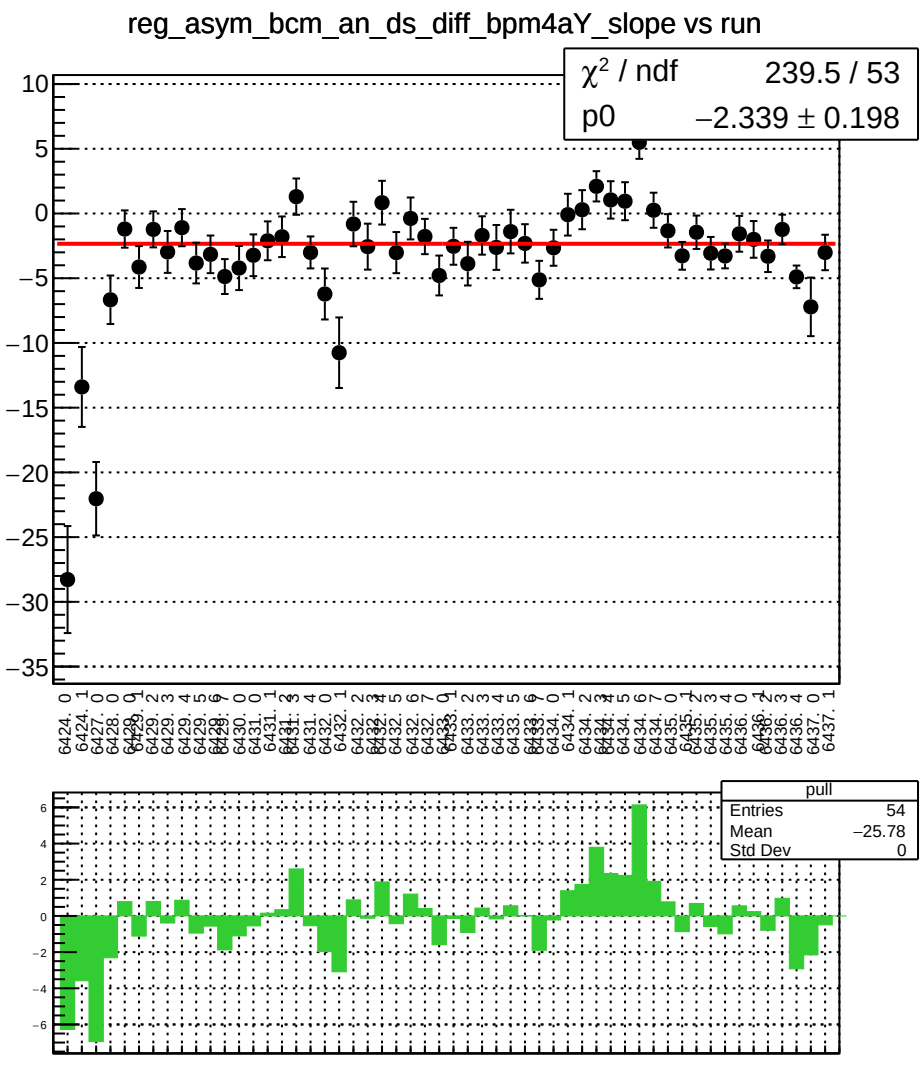

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 238.4 / 53
p0 −2.277 ± 0.198
pull
Entries 54
Mean −25.21
Std Dev 0
pull1D
Entries 54
Mean −0.2169
Std Dev 2.09

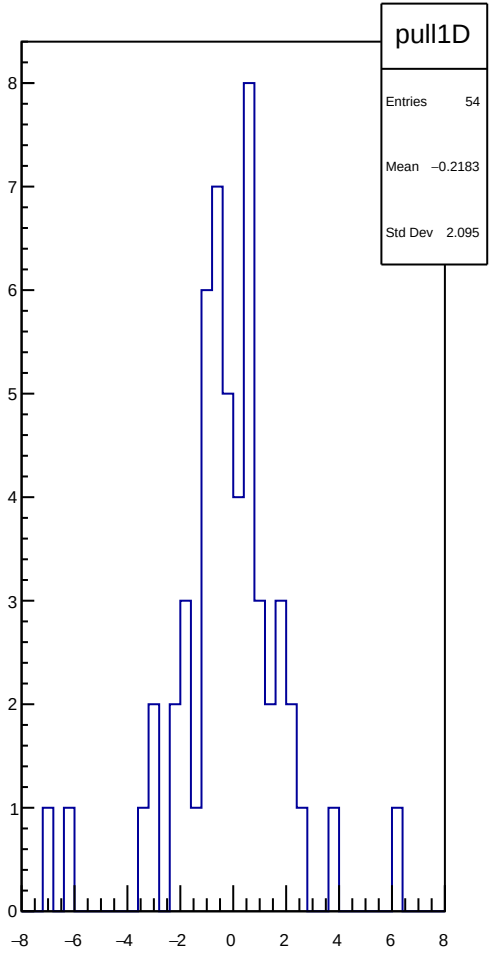

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2525 / 53
p0 −19.71 ± 0.2041
pull
Entries 54
Mean −9.182
Std Dev 0
pull1D
Entries 54
Mean 0.6886
Std Dev 2.547

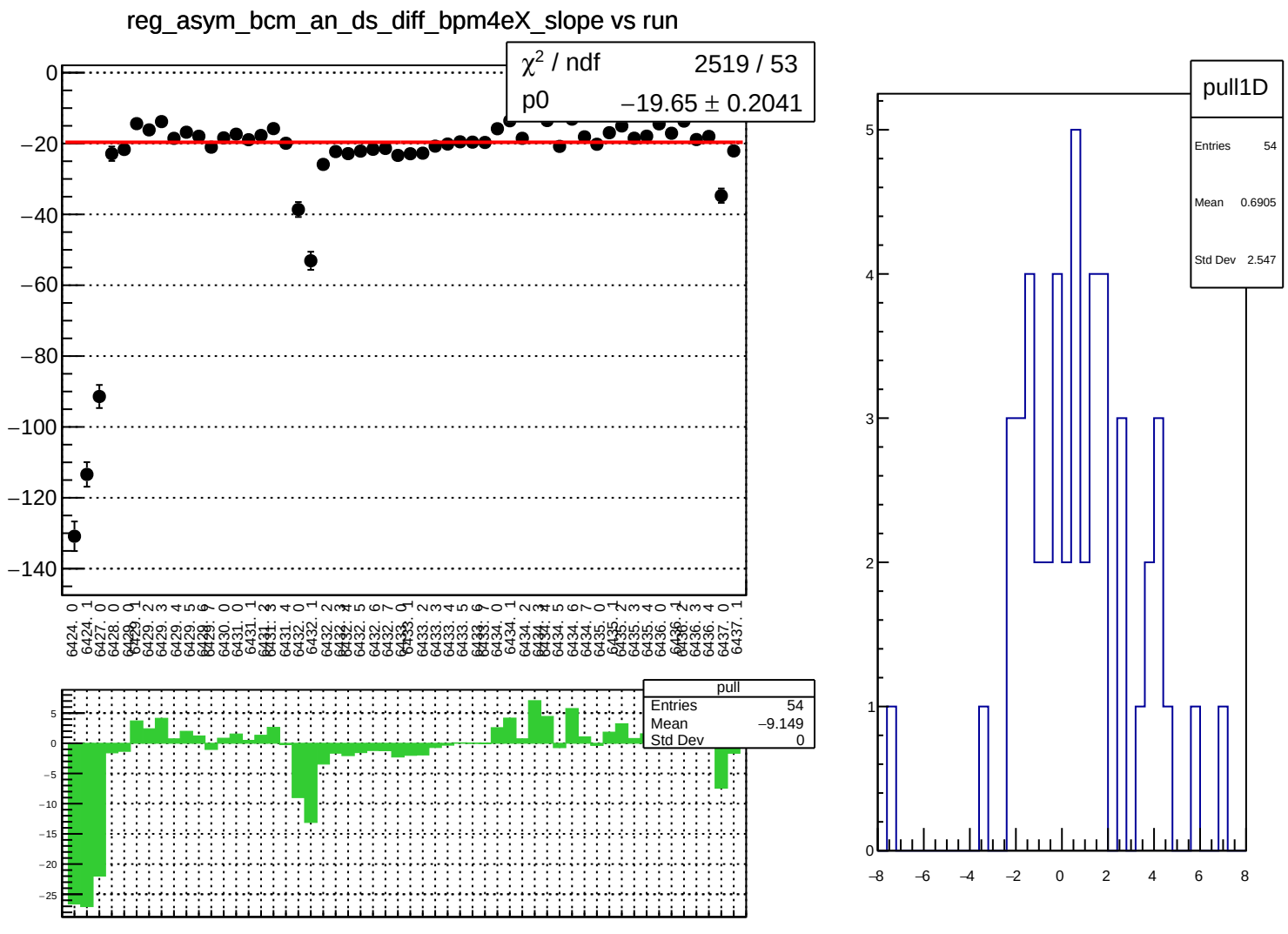

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 233.3 / 53
p0 2.782 ± 0.2017
pull
Entries 54
Mean −28.66
Std Dev 0
pull1D
Entries 54
Mean 0.1967
Std Dev 2.069

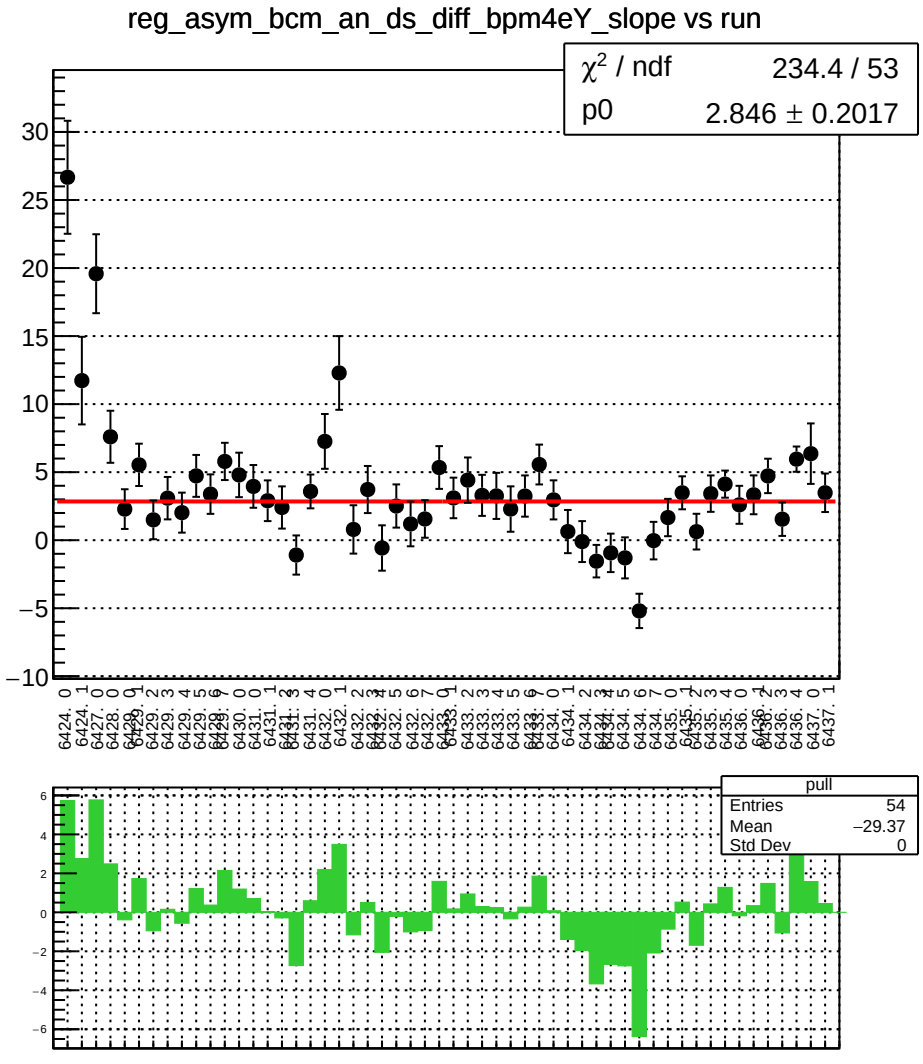

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 90.32 / 53
p0 −0.109 ± 0.007938
pull
Entries 54
Mean −2.008
Std Dev 0
pull1D
Entries 54
Mean −0.1573
Std Dev 1.284

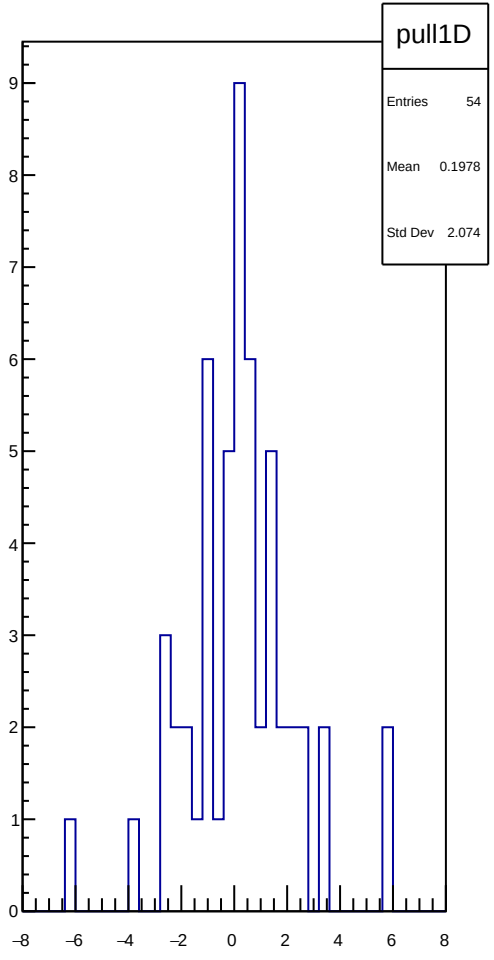

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2623 / 53
p0 18.77 ± 0.1954
pull
Entries 54
Mean −9.225
Std Dev 0
pull1D
Entries 54
Mean −0.7168
Std Dev 2.542

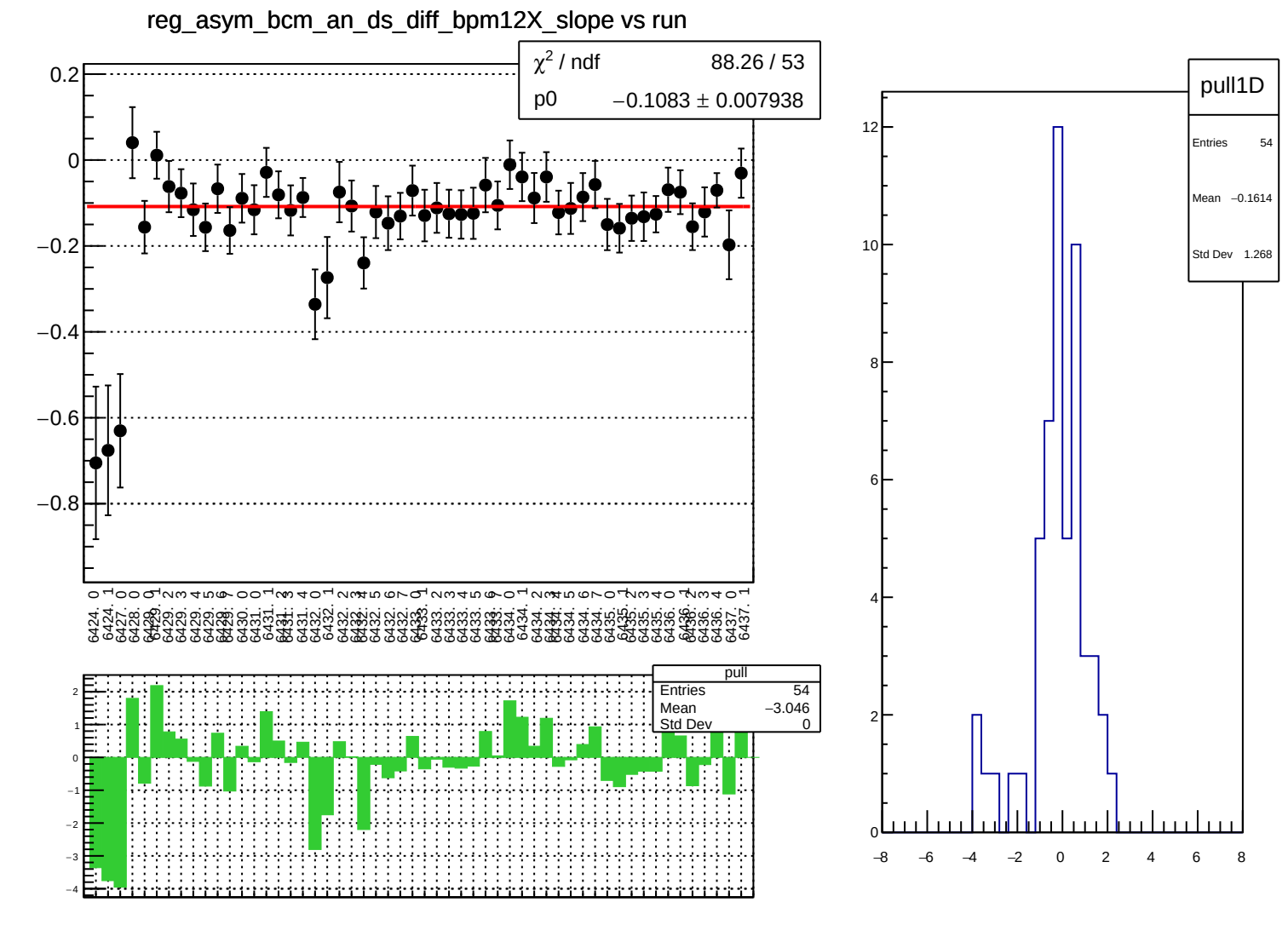

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 239.5 / 53
p0 −2.339 ± 0.198
pull
Entries 54
Mean −25.78
Std Dev 0

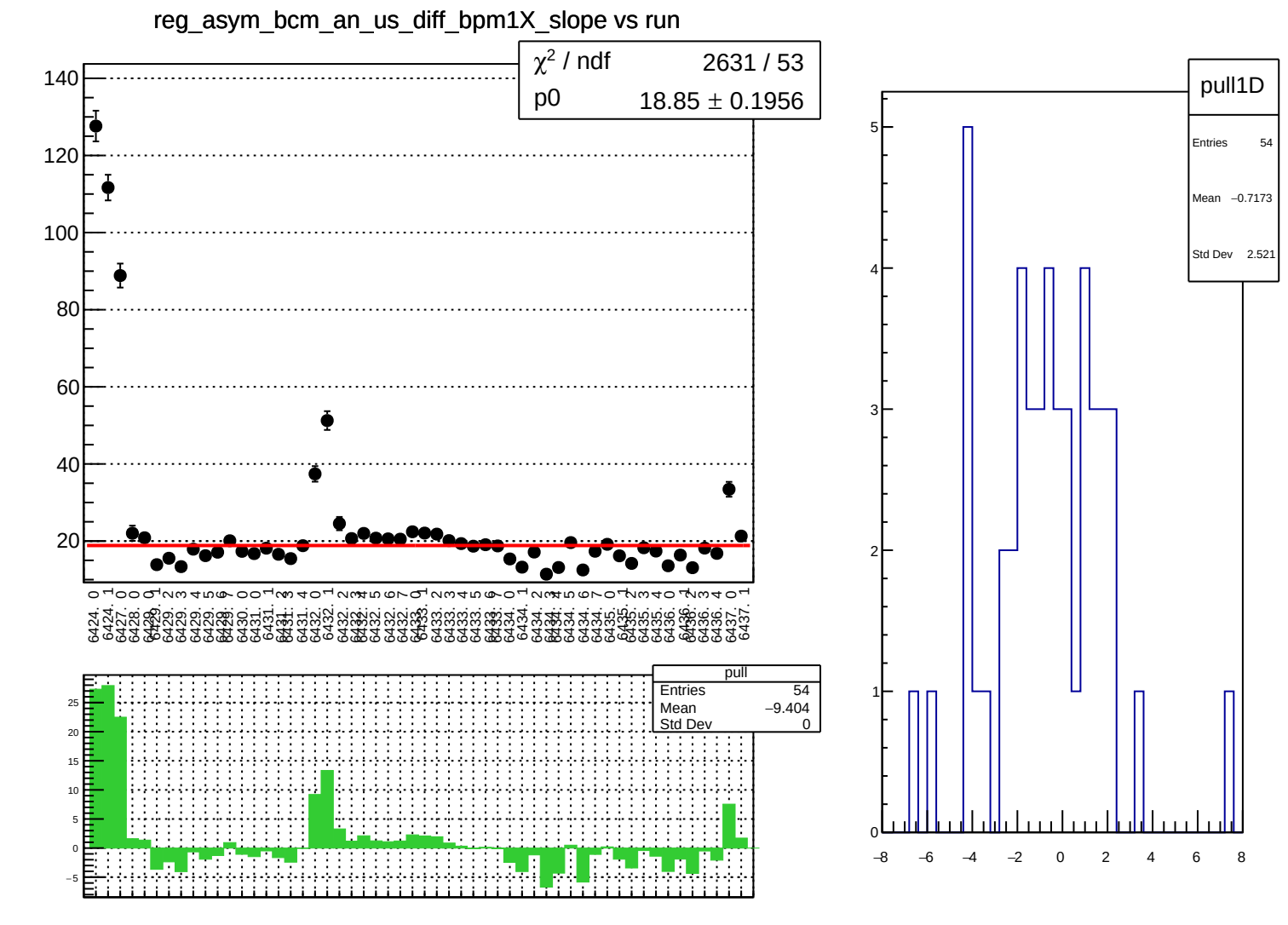

pull1D
Entries 54
Mean −0.2183
Std Dev 2.095

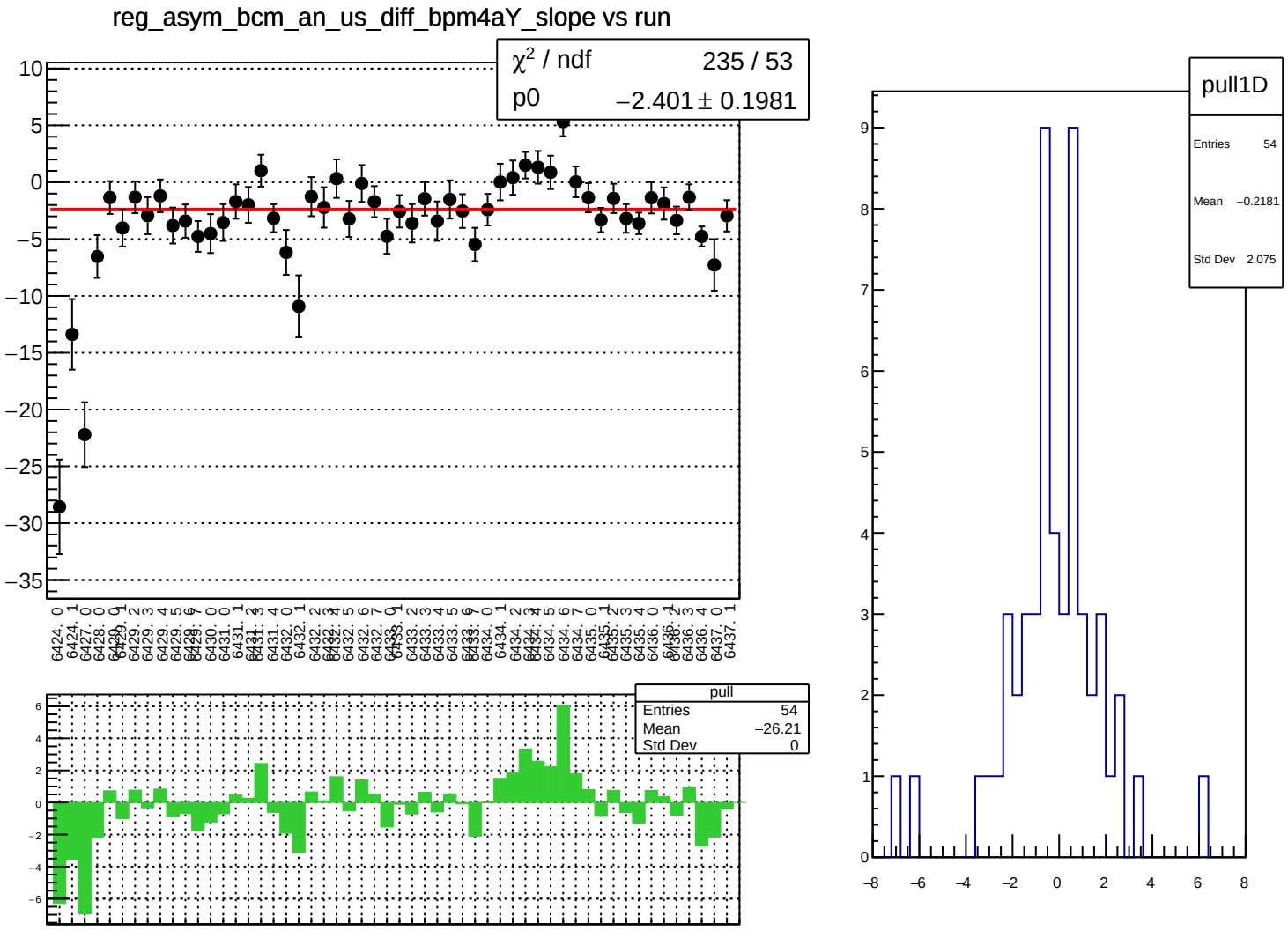

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2519 / 53
p0 −19.65 ± 0.2041
pull
Entries 54
Mean −9.149
Std Dev 0
pull1D
Entries 54
Mean 0.6905
Std Dev 2.547

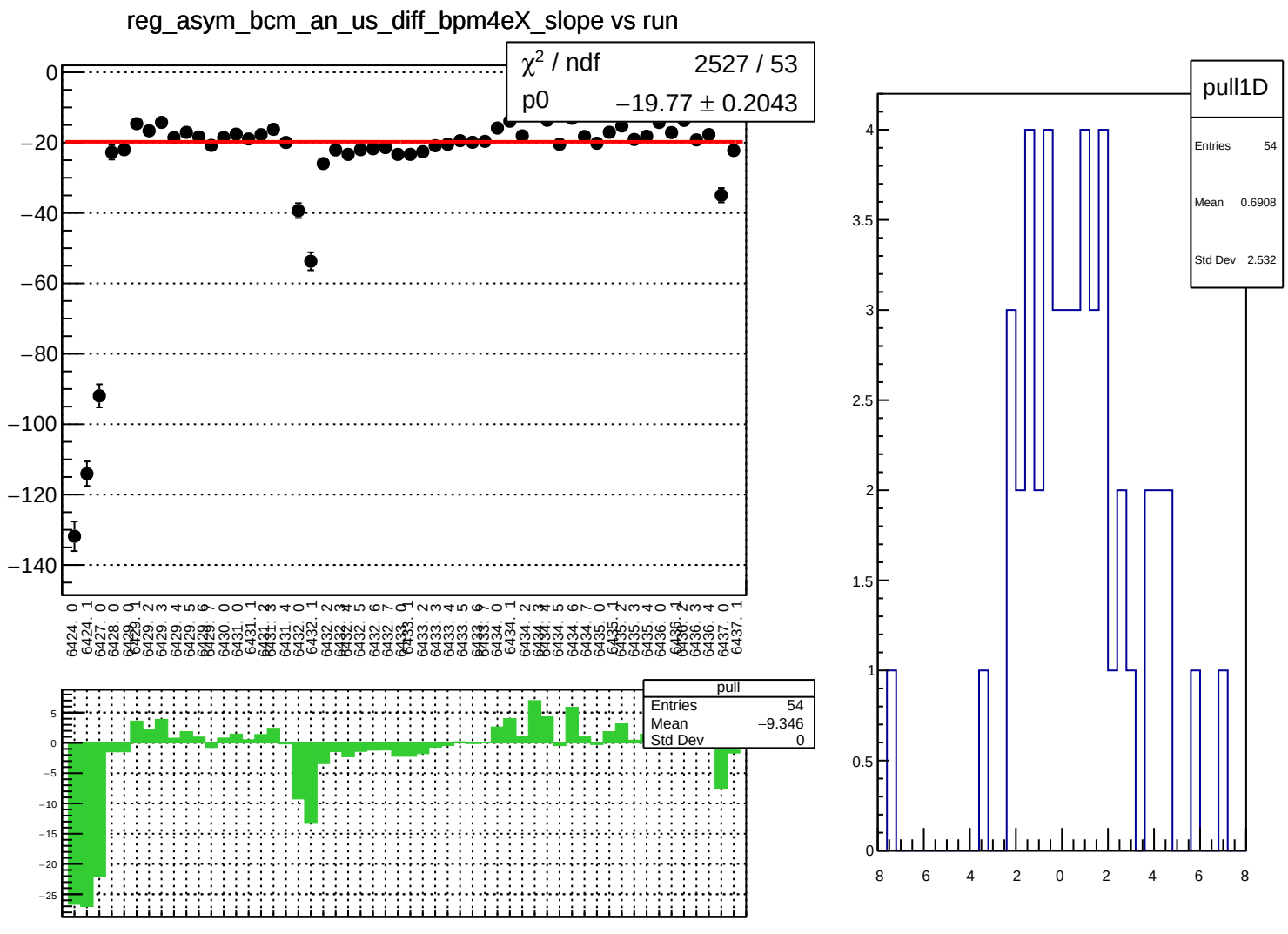

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 234.4 / 53
p0 2.846 ± 0.2017
pull
Entries 54
Mean −29.37
Std Dev 0

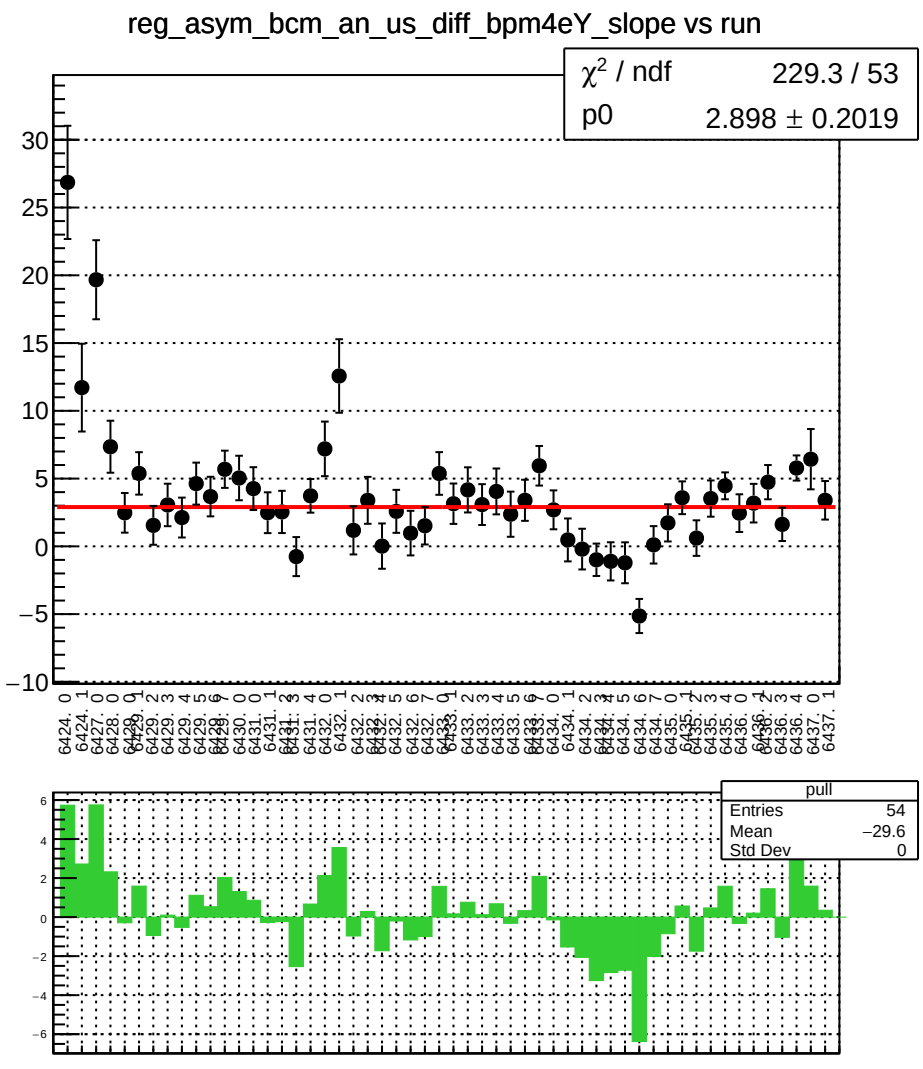

pull1D
Entries 54
Mean 0.1978
Std Dev 2.074

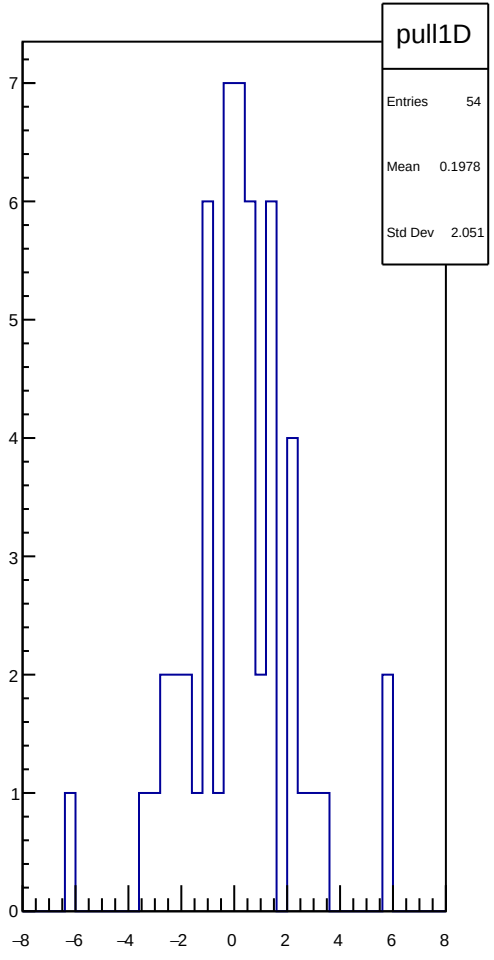

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 88.26 / 53
p0 −0.1083 ± 0.007938
pull
Entries 54
Mean −3.046
Std Dev 0
pull1D
Entries 54
Mean −0.1614
Std Dev 1.268

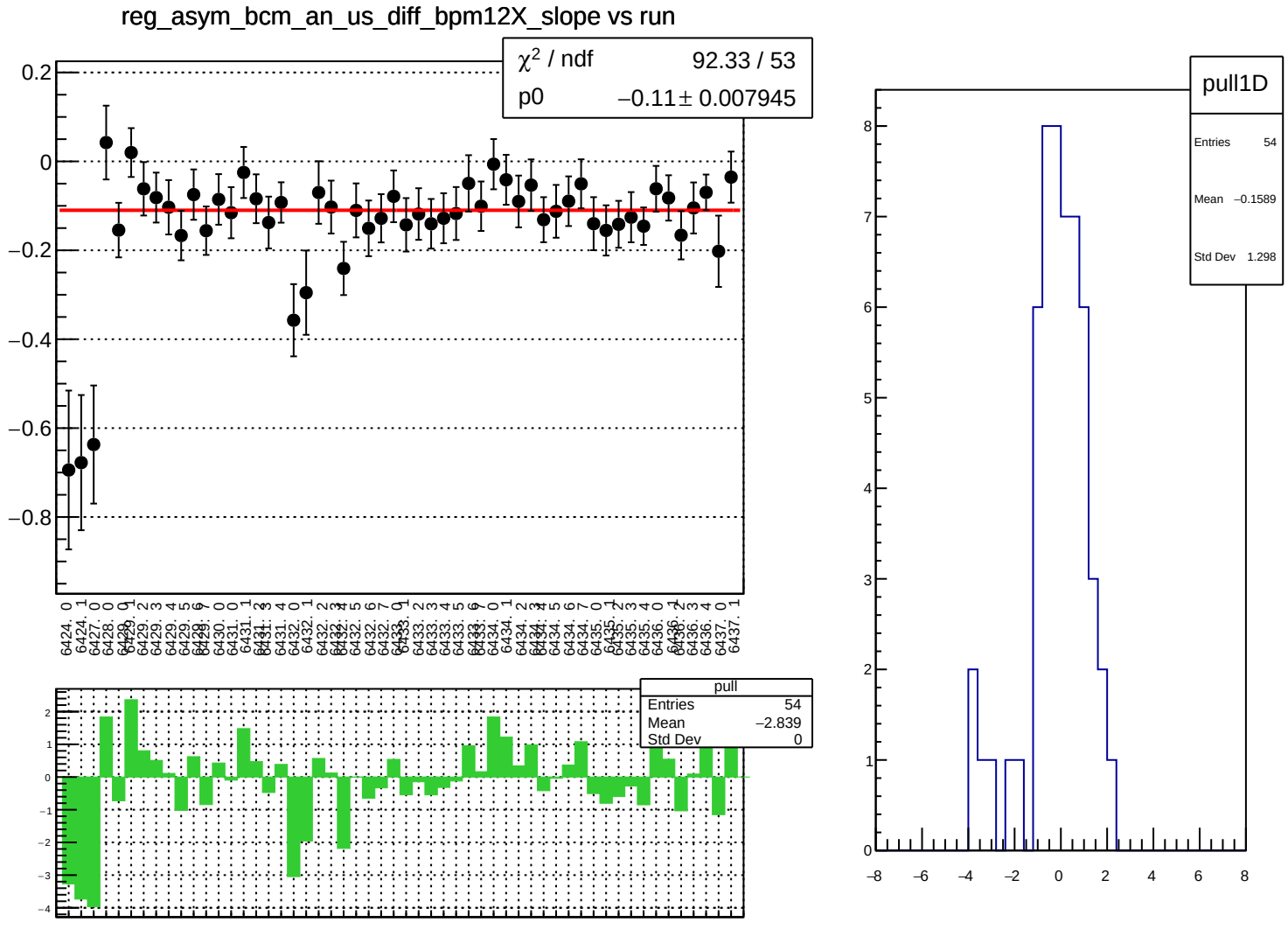

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2631 / 53
p0 18.85 ± 0.1956
pull
Entries 54
Mean −9.404
Std Dev 0
pull1D
Entries 54
Mean −0.7173
Std Dev 2.521

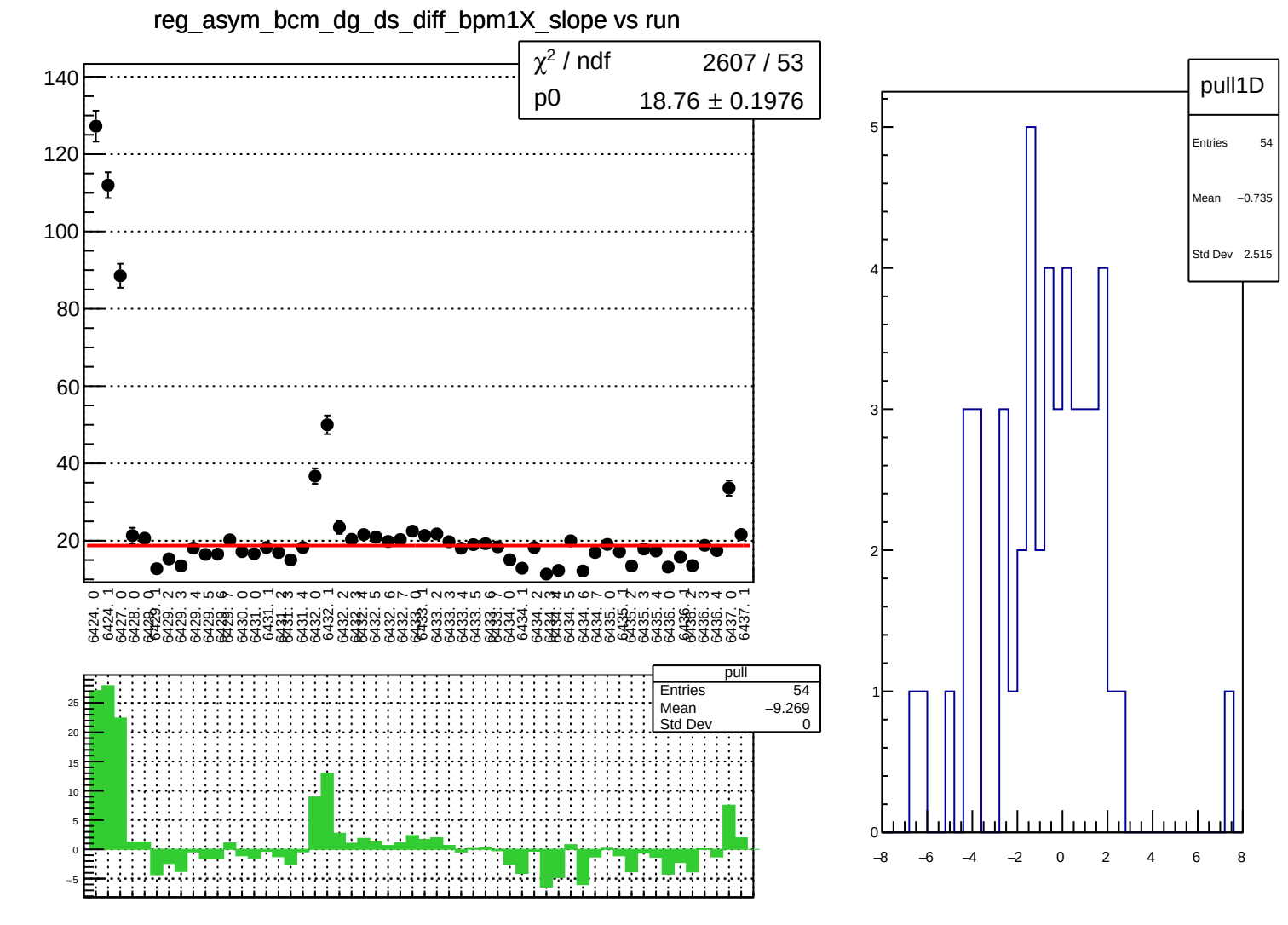

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 235 / 53
p0 −2.401 ± 0.1981
pull
Entries 54
Mean −26.21
Std Dev 0
pull1D
Entries 54
Mean −0.2181
Std Dev 2.075

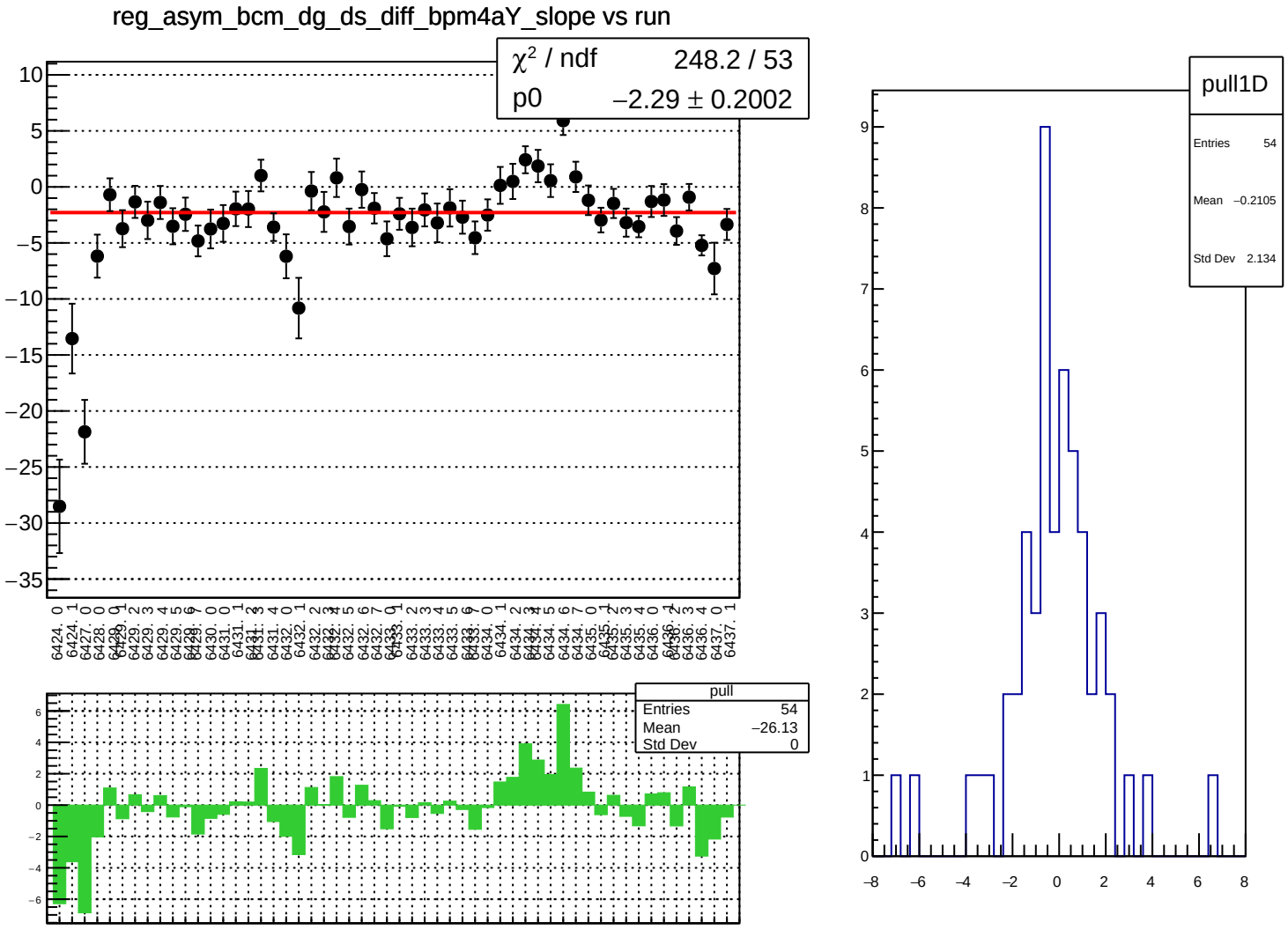

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2527 / 53
p0 −19.77 ± 0.2043
pull
Entries 54
Mean −9.346
Std Dev 0
pull1D
Entries 54
Mean 0.6908
Std Dev 2.532

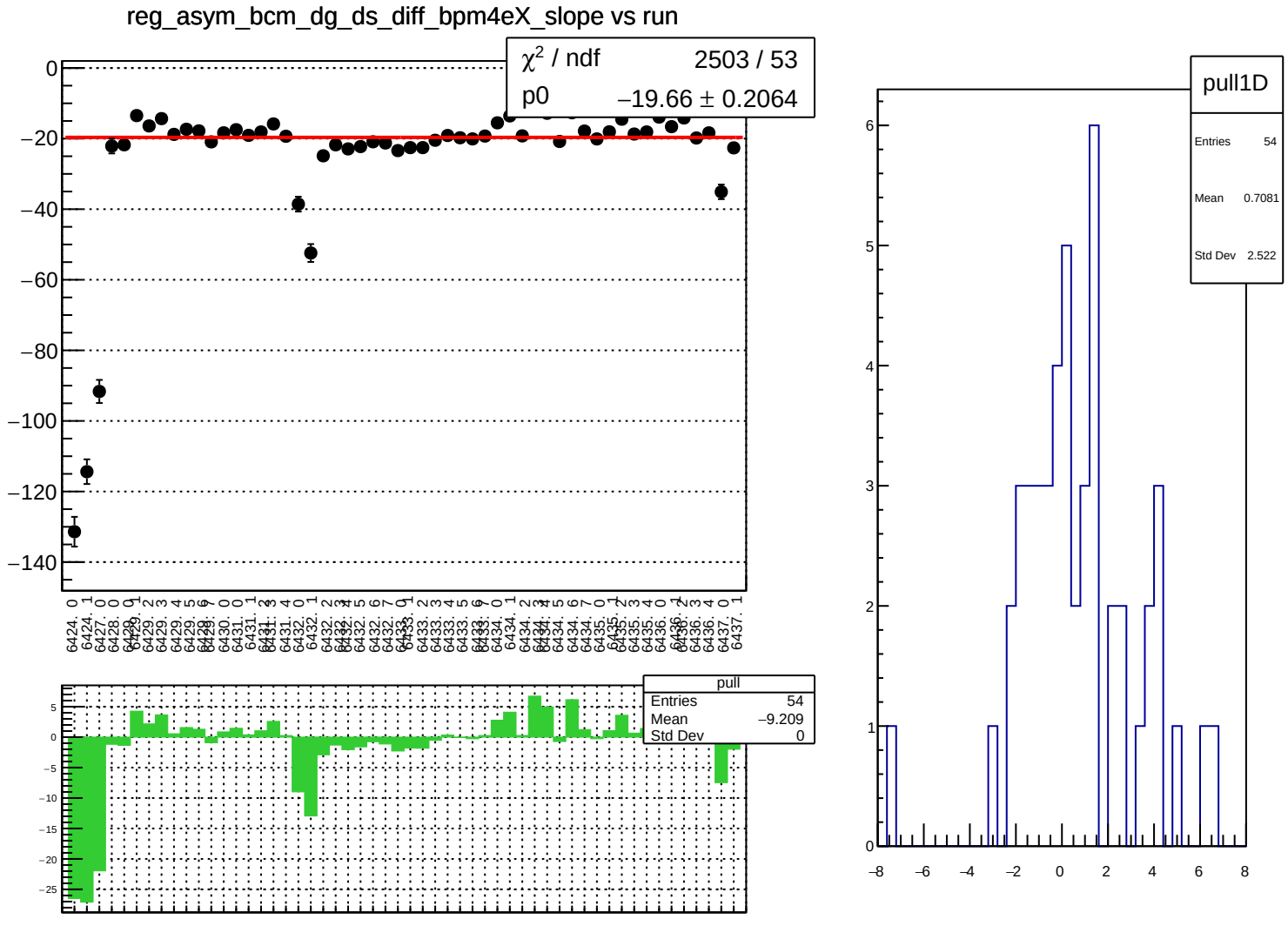

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 229.3 / 53
p0 2.898 ± 0.2019
pull
Entries 54
Mean −29.6
Std Dev 0

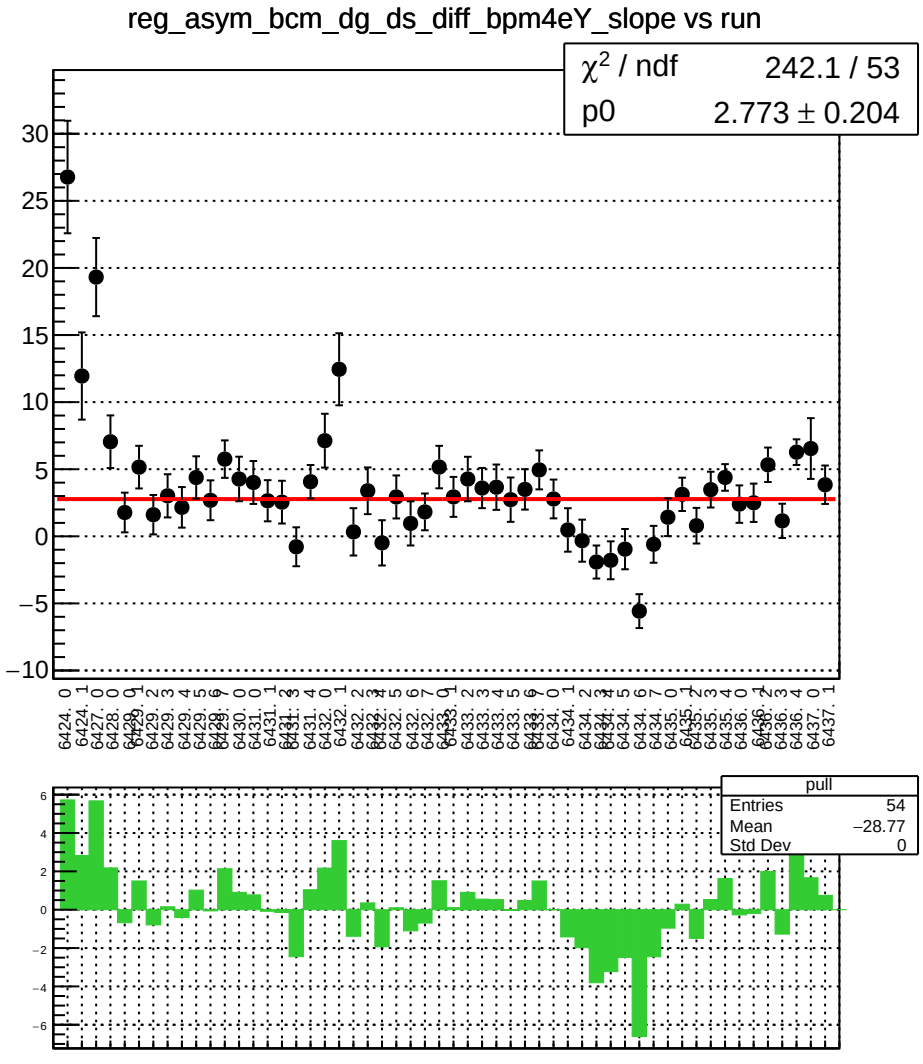

pull1D
Entries 54
Mean 0.1978
Std Dev 2.051

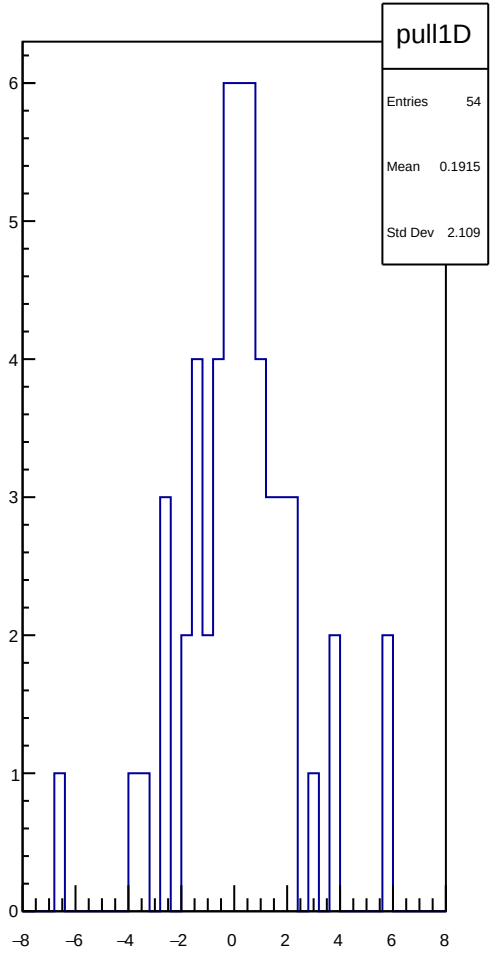

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 92.33 / 53
p0 −0.11 ± 0.007945
pull
Entries 54
Mean −2.839
Std Dev 0
pull1D
Entries 54
Mean −0.1589
Std Dev 1.298

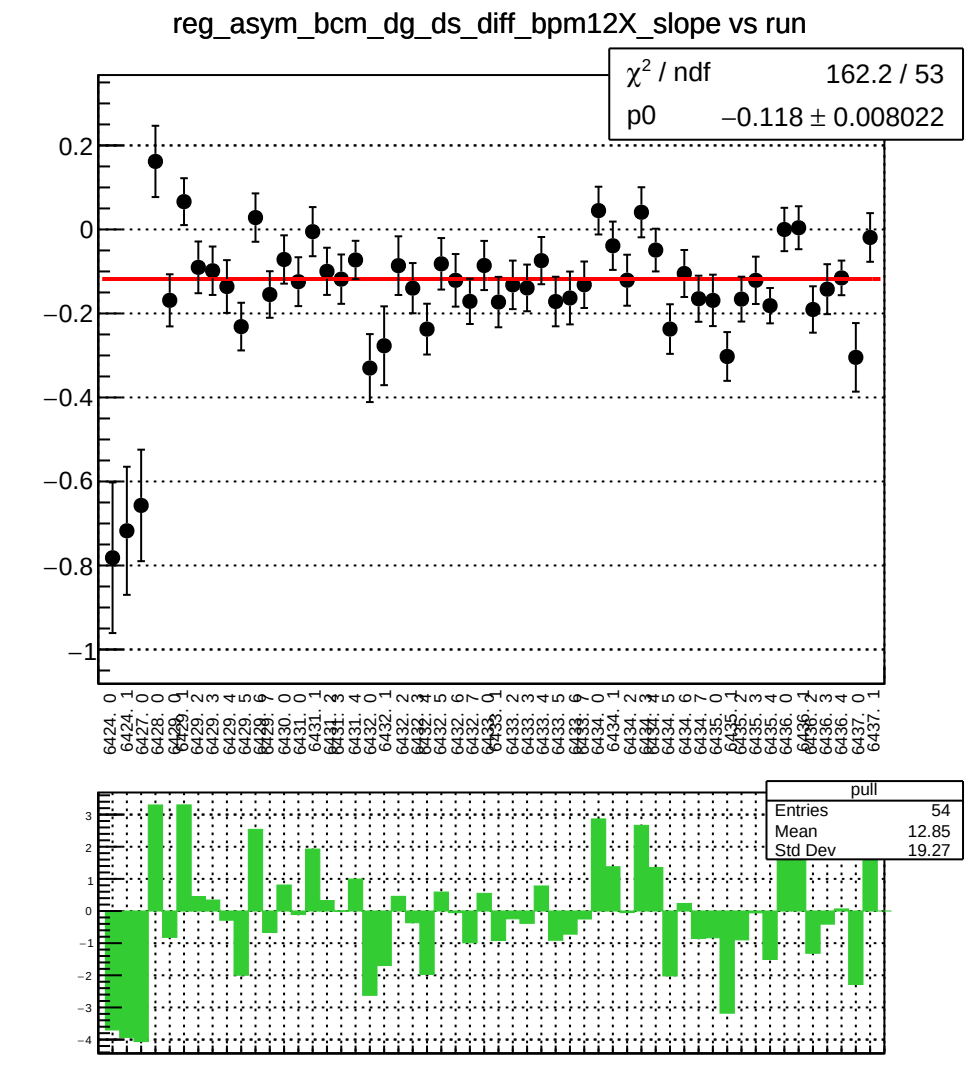

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2607 / 53
p0 18.76 ± 0.1976
pull
Entries 54
Mean −9.269
Std Dev 0
pull1D
Entries 54
Mean −0.735
Std Dev 2.515

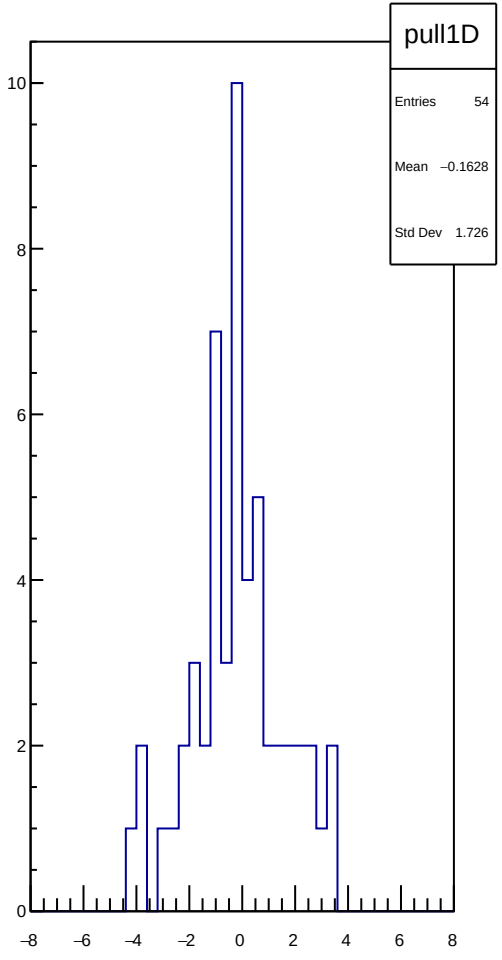

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 248.2 / 53
p0 −2.29 ± 0.2002
pull
Entries 54
Mean −26.13
Std Dev 0
pull1D
Entries 54
Mean −0.2105
Std Dev 2.134

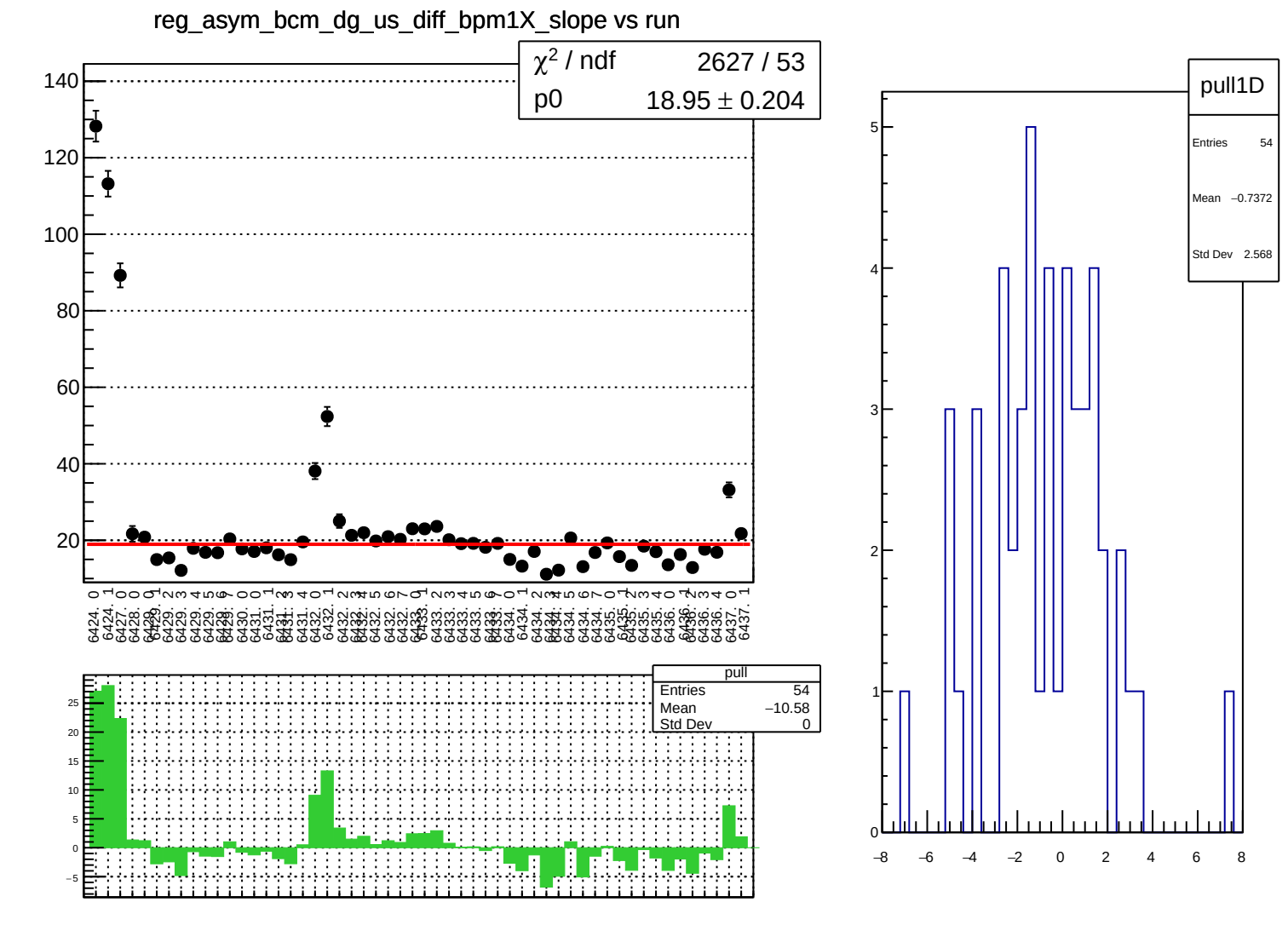

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2503 / 53
p0 −19.66 ± 0.2064
pull
Entries 54
Mean −9.209
Std Dev 0
pull1D
Entries 54
Mean 0.7081
Std Dev 2.522

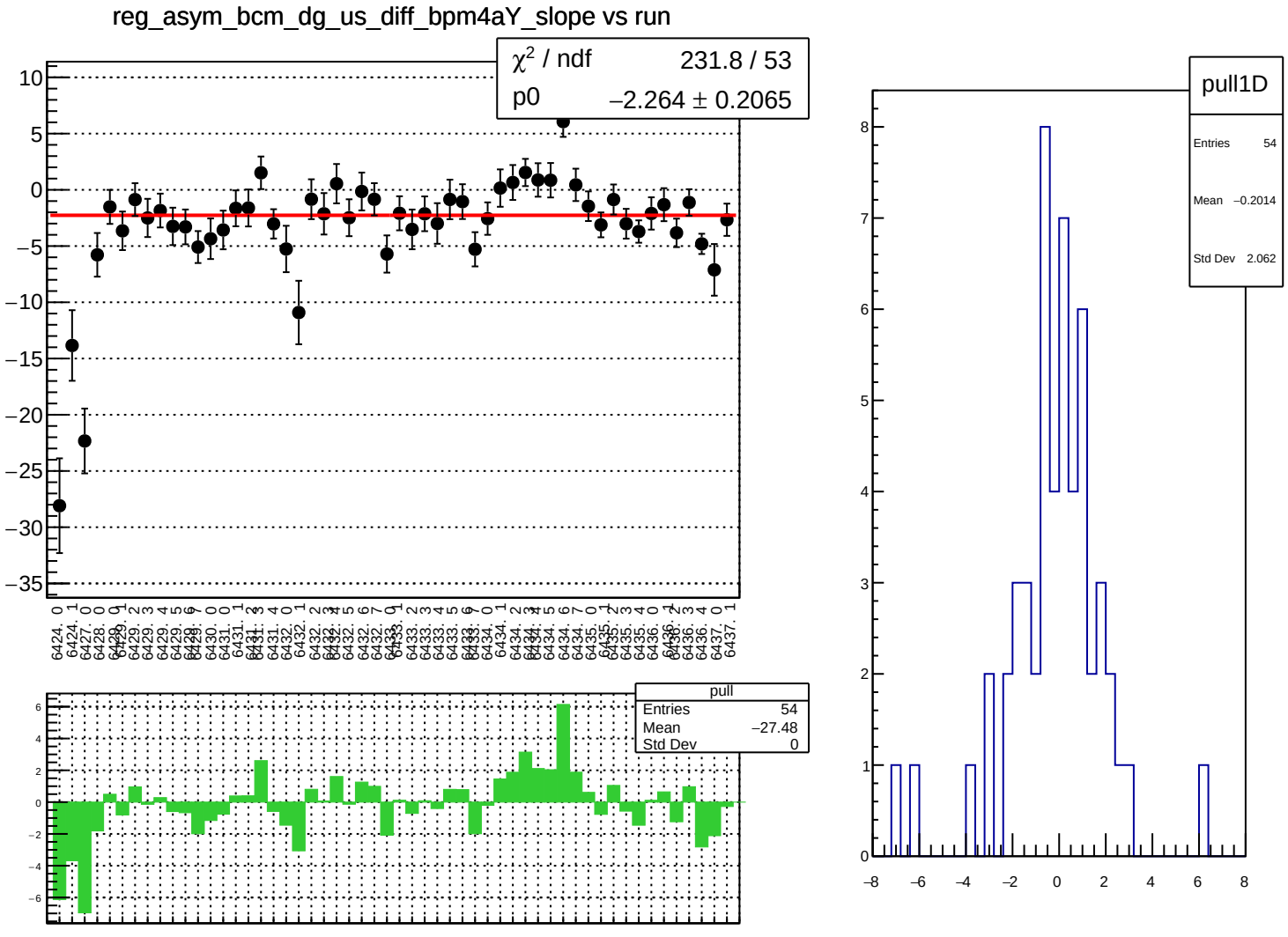

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 242.1 / 53
p0 2.773 ± 0.204
pull
Entries 54
Mean −28.77
Std Dev 0

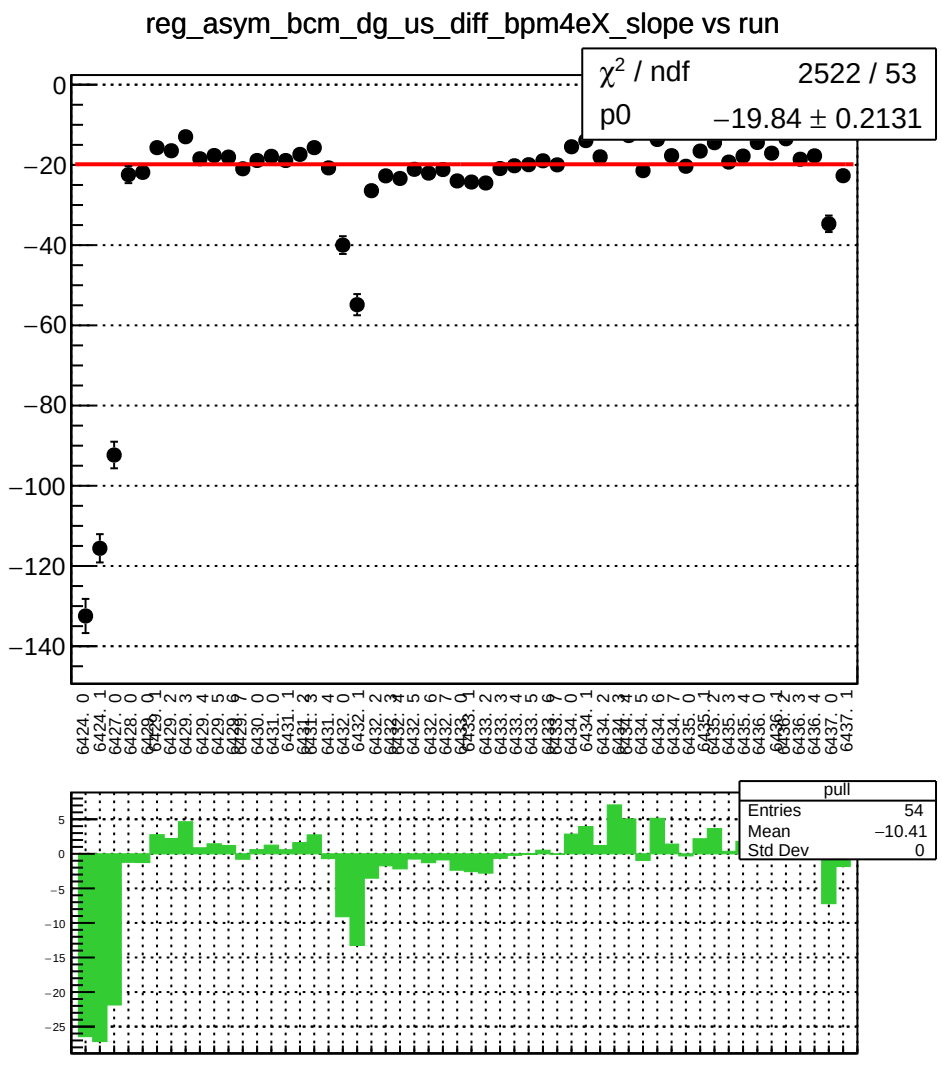

pull1D
Entries 54
Mean 0.1915
Std Dev 2.109

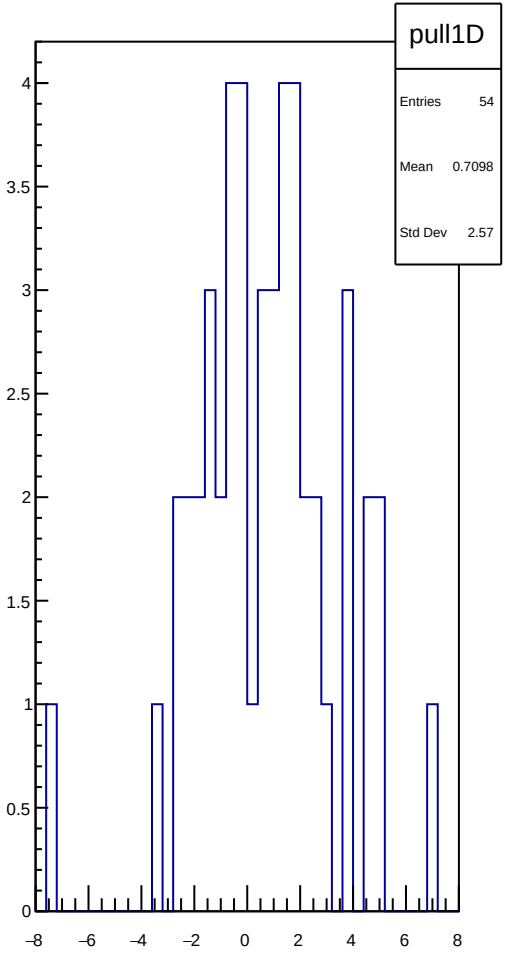

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 162.2 / 53
p0 −0.118 ± 0.008022
pull
Entries 54
Mean 12.85
Std Dev 19.27

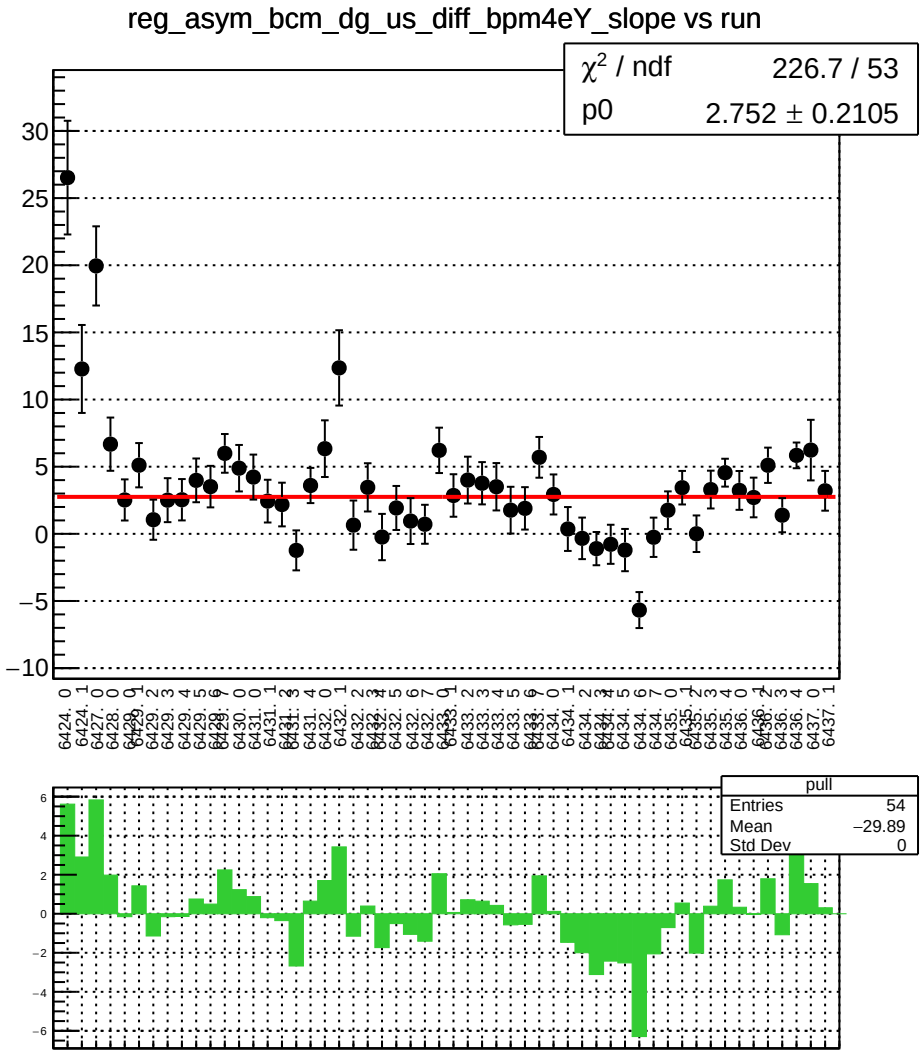

pull1D
Entries 54
Mean −0.1628
Std Dev 1.726

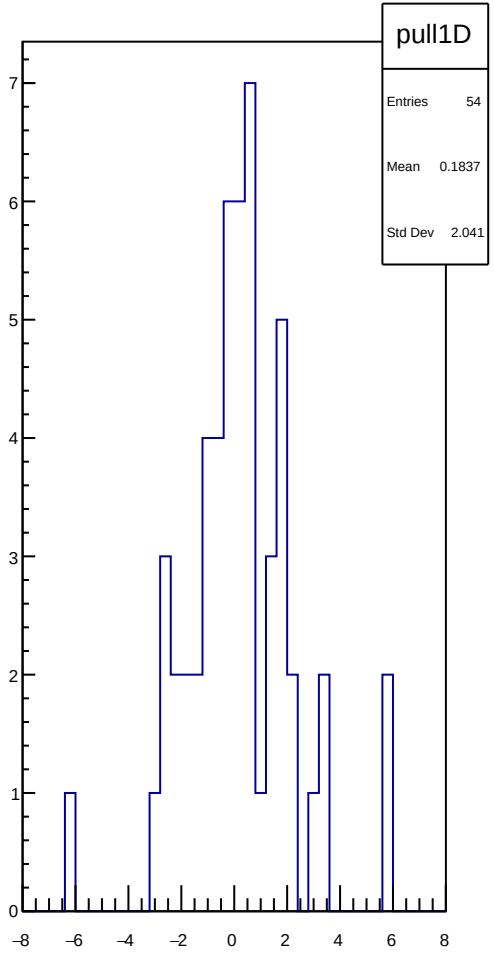

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2627 / 53
p0 18.95 ± 0.204
pull
Entries 54
Mean −10.58
Std Dev 0
pull1D
Entries 54
Mean −0.7372
Std Dev 2.568

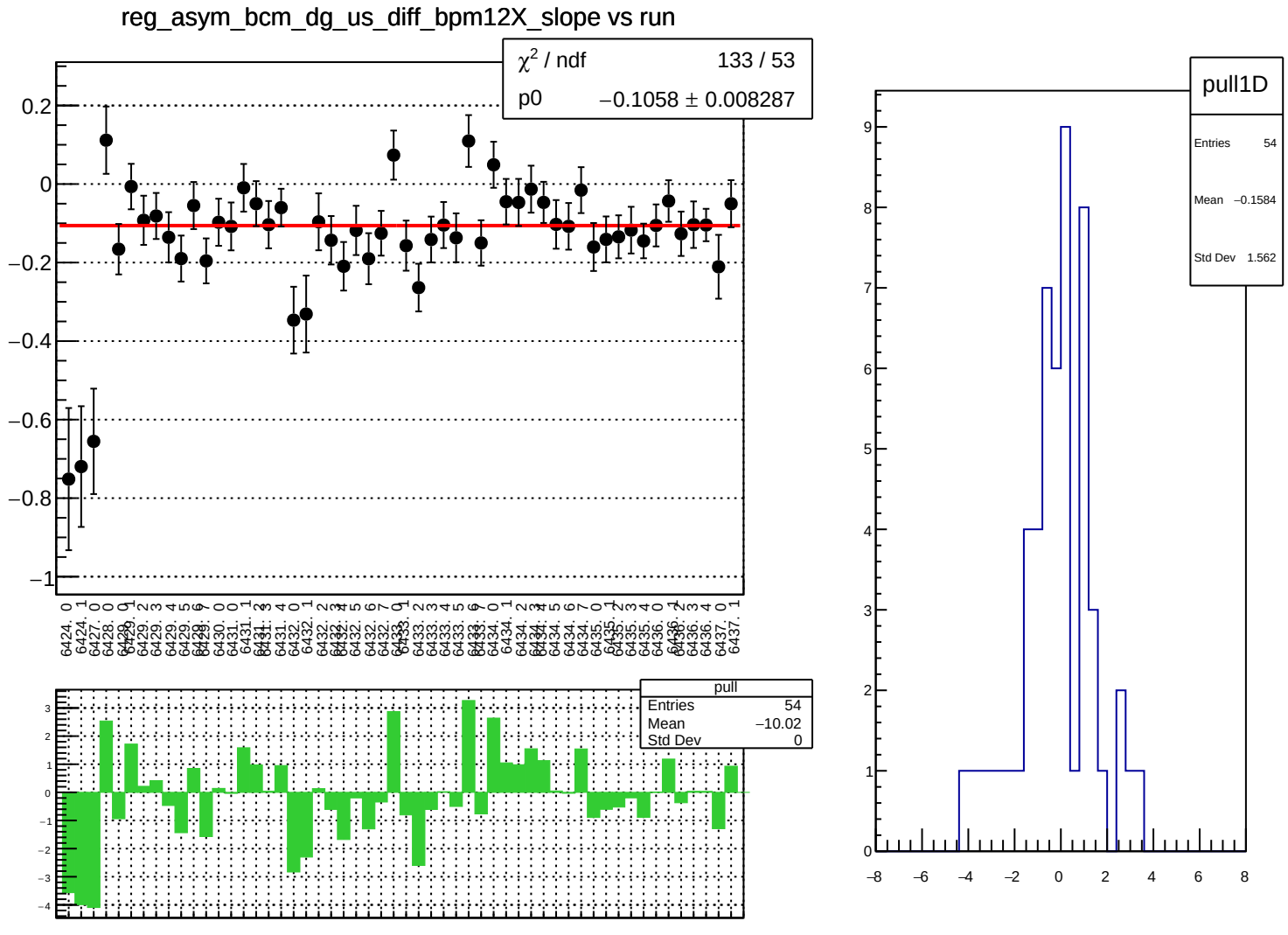

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 231.8 / 53
p0 −2.264 ± 0.2065
pull
Entries 54
Mean −27.48
Std Dev 0
pull1D
Entries 54
Mean −0.2014
Std Dev 2.062

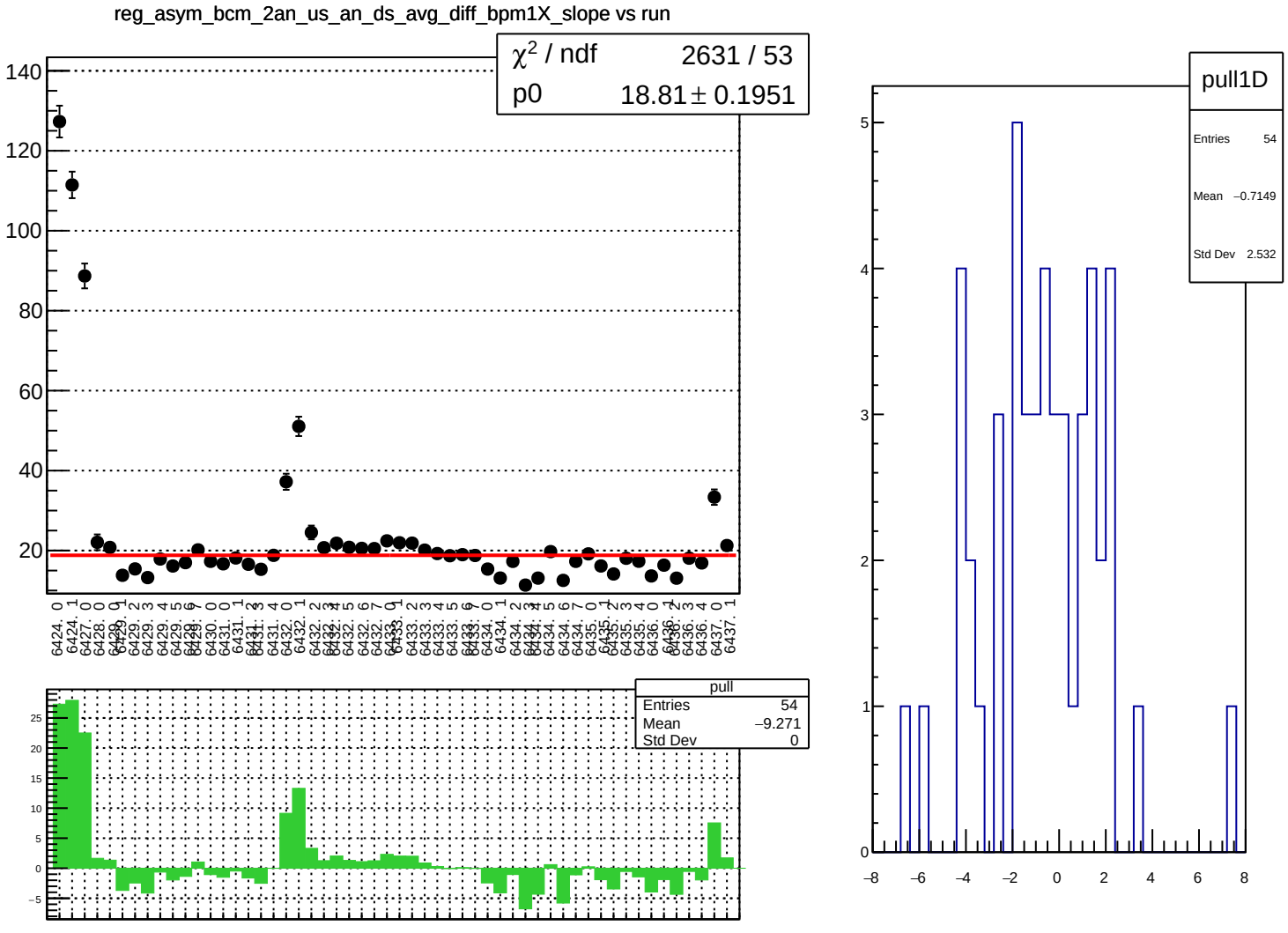

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2522 / 53
p0 −19.84 ± 0.2131
pull
Entries 54
Mean −10.41
Std Dev 0

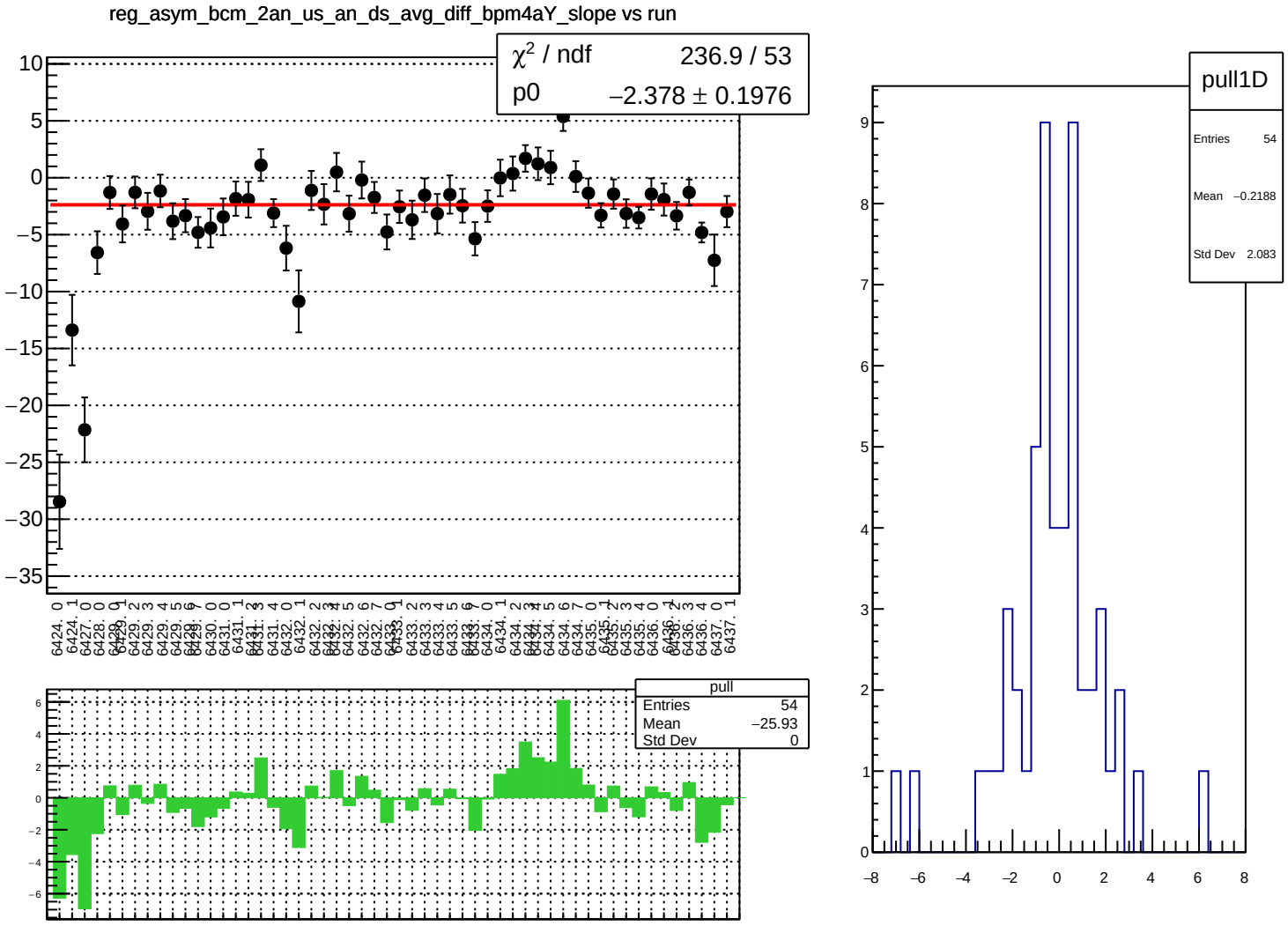

pull1D
Entries 54
Mean 0.7098
Std Dev 2.57

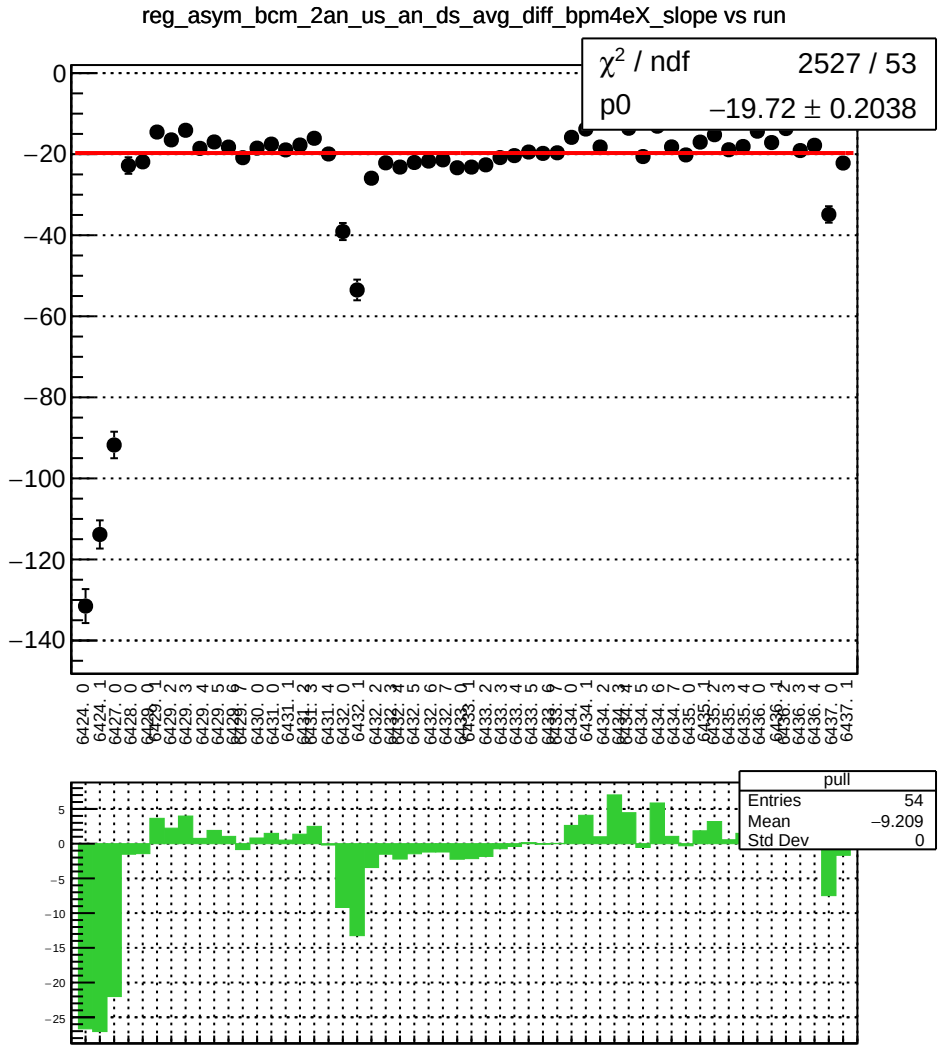

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 226.7 / 53
p0 2.752 ± 0.2105
pull
Entries 54
Mean −29.89
Std Dev 0

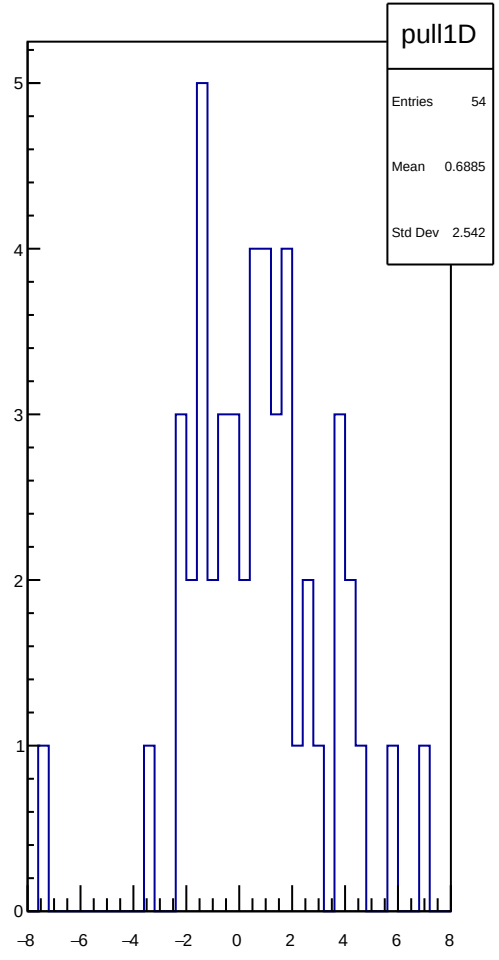

pull1D
Entries 54
Mean 0.1837
Std Dev 2.041

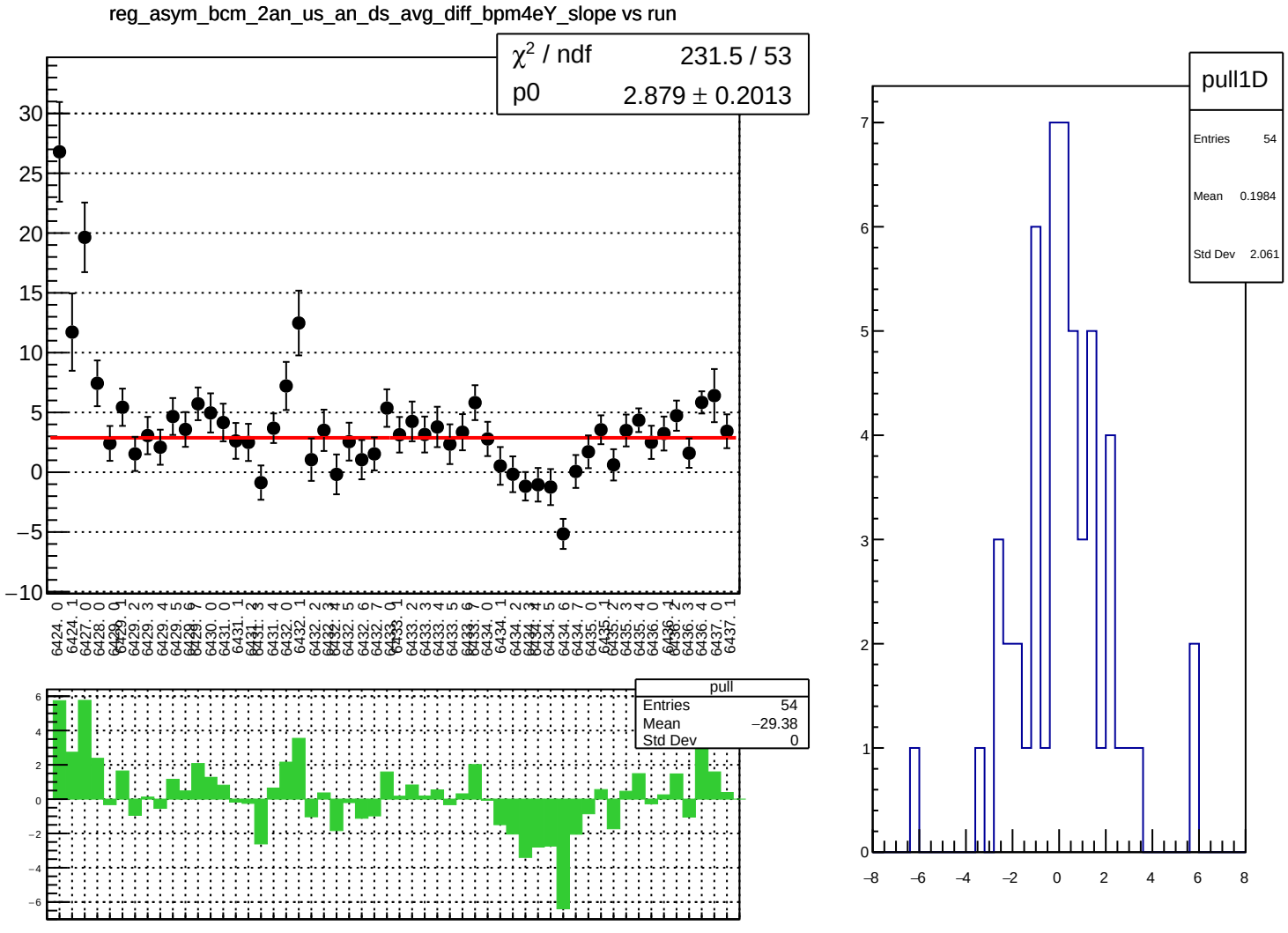

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 133 / 53
p0 −0.1058 ± 0.008287
pull
Entries 54
Mean −10.02
Std Dev 0
pull1D
Entries 54
Mean −0.1584
Std Dev 1.562

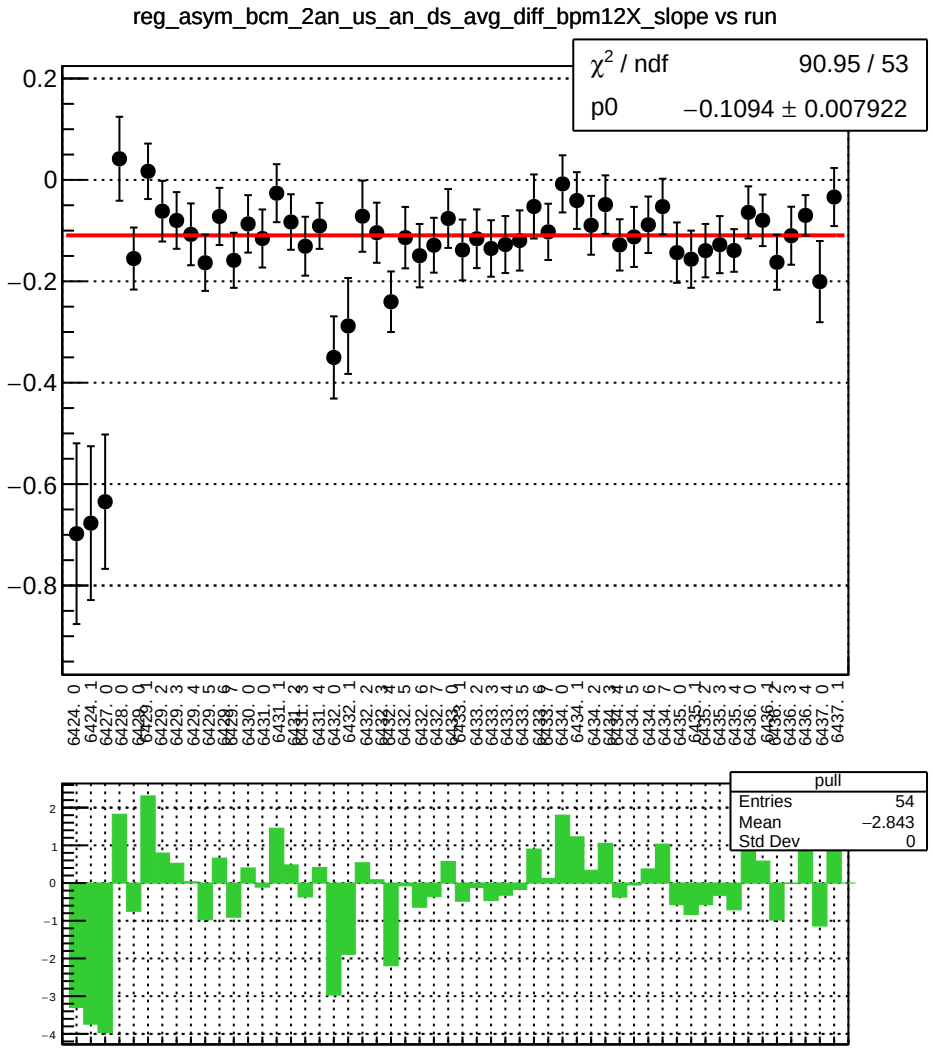

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2631 / 53
p0 18.81 ± 0.1951
pull
Entries 54
Mean −9.271
Std Dev 0
pull1D
Entries 54
Mean −0.7149
Std Dev 2.532

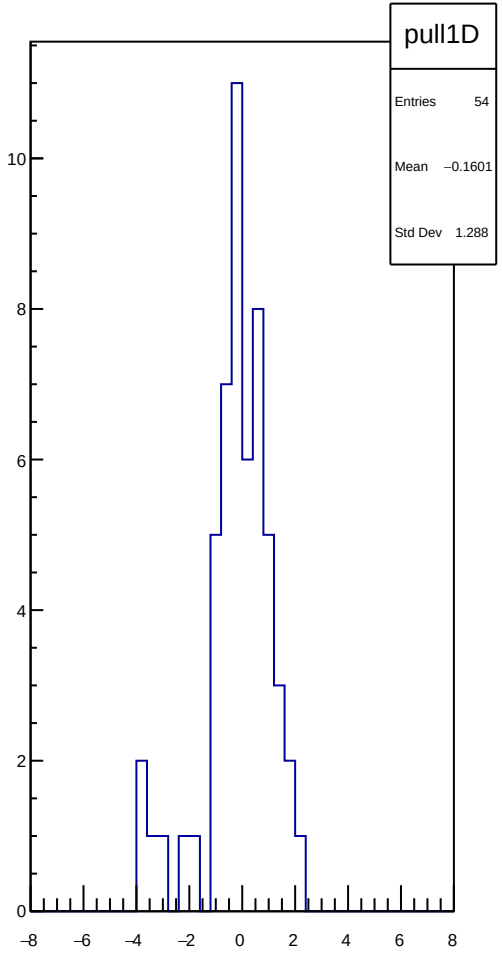

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 236.9 / 53
p0 −2.378 ± 0.1976
pull
Entries 54
Mean −25.93
Std Dev 0
pull1D
Entries 54
Mean −0.2188
Std Dev 2.083

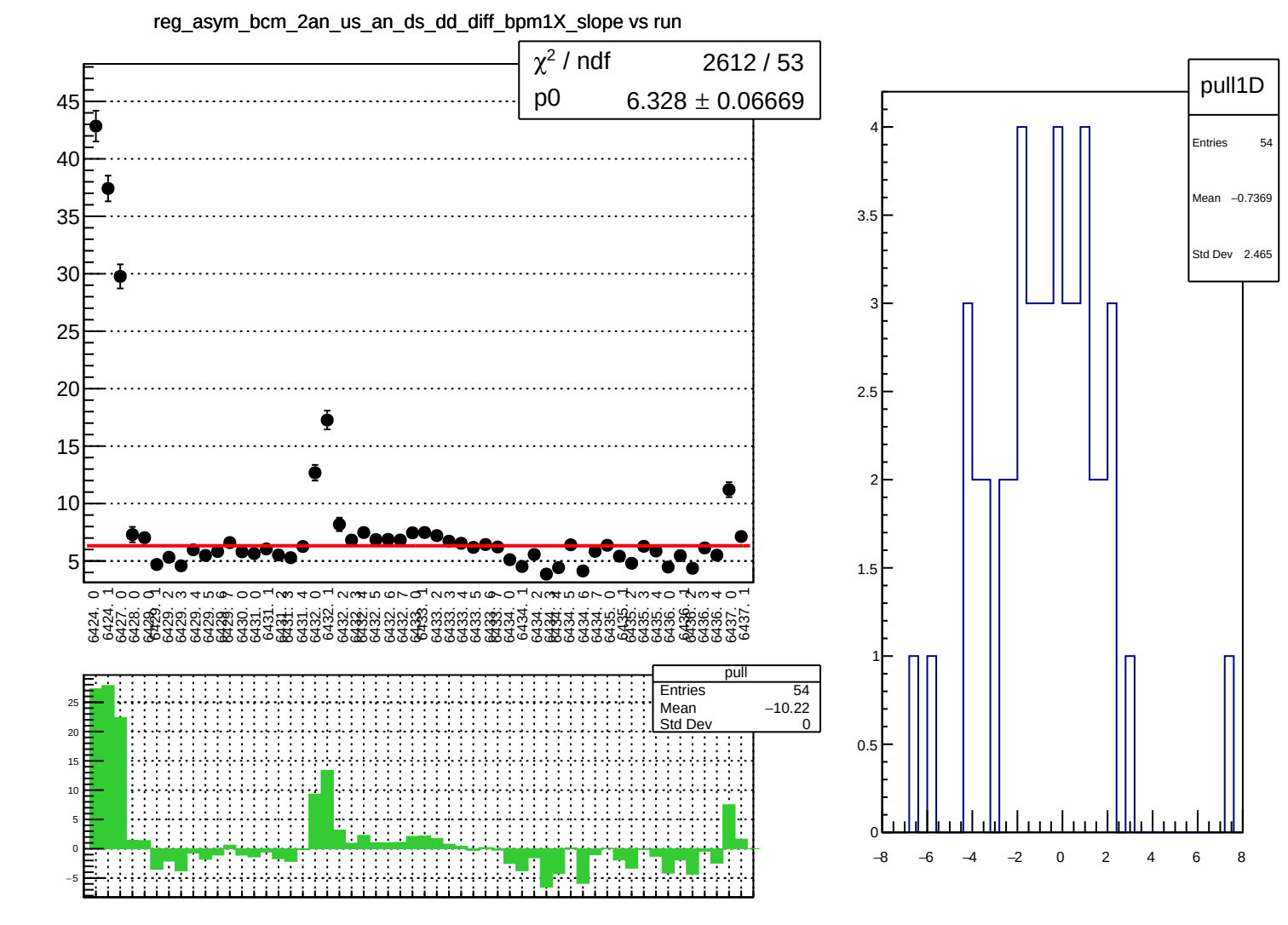

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2527 / 53
p0 −19.72 ± 0.2038
pull
Entries 54
Mean −9.209
Std Dev 0

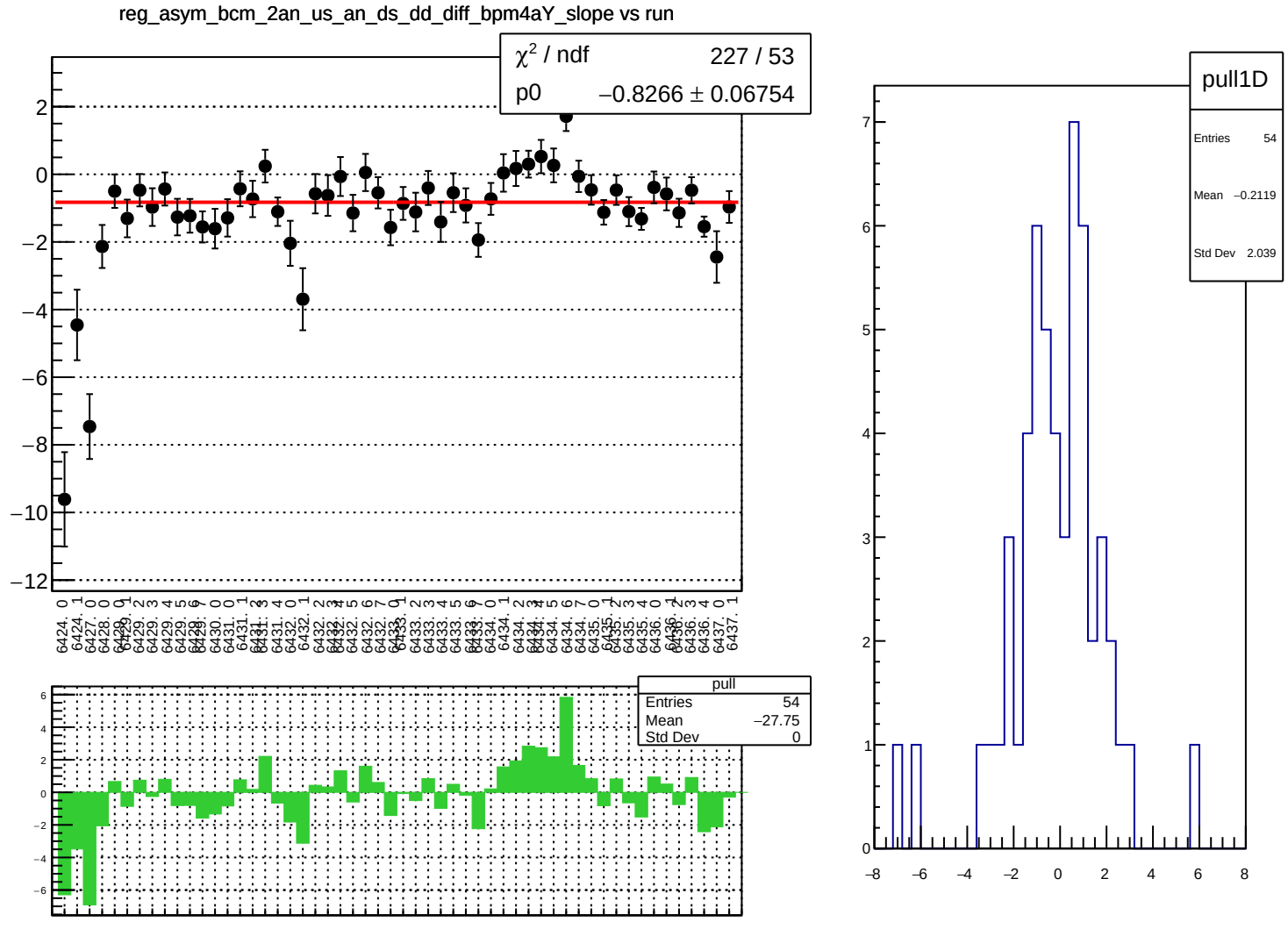

pull1D
Entries 54
Mean 0.6885
Std Dev 2.542

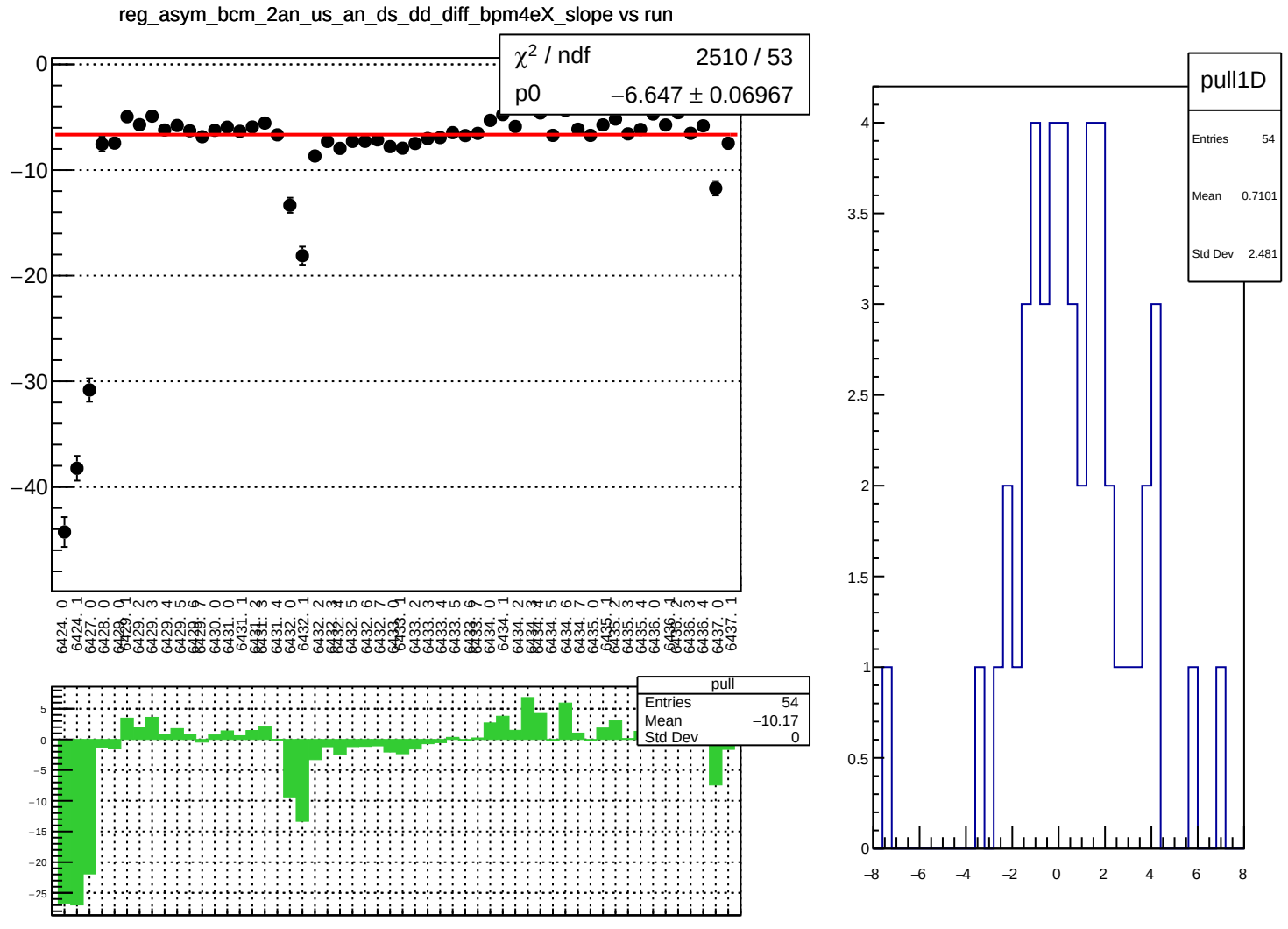

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 231.5 / 53
p0 2.879 ± 0.2013
pull
Entries 54
Mean −29.38
Std Dev 0
pull1D
Entries 54
Mean 0.1984
Std Dev 2.061

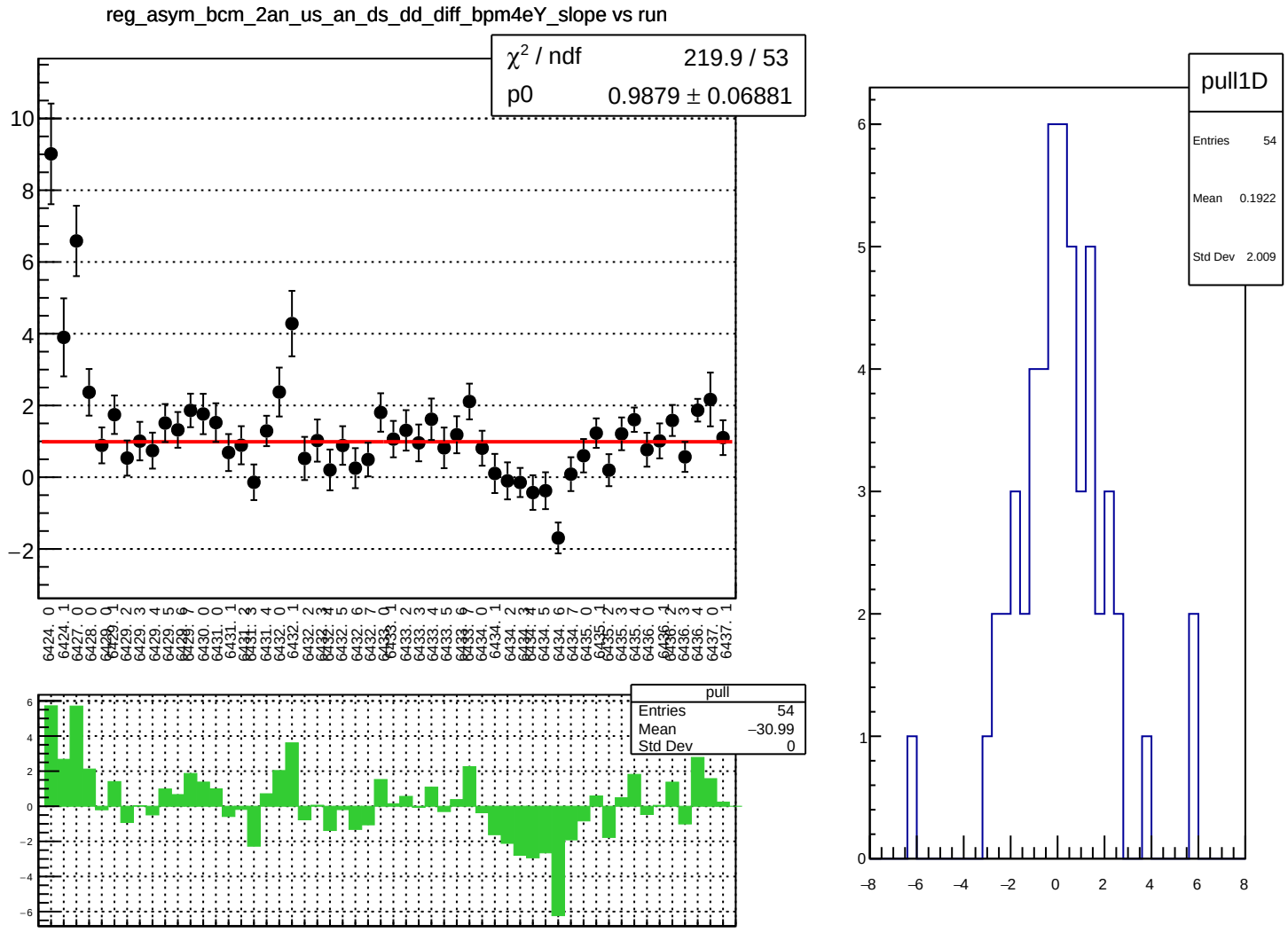

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 90.95 / 53
p0 −0.1094 ± 0.007922
pull
Entries 54
Mean −2.843
Std Dev 0

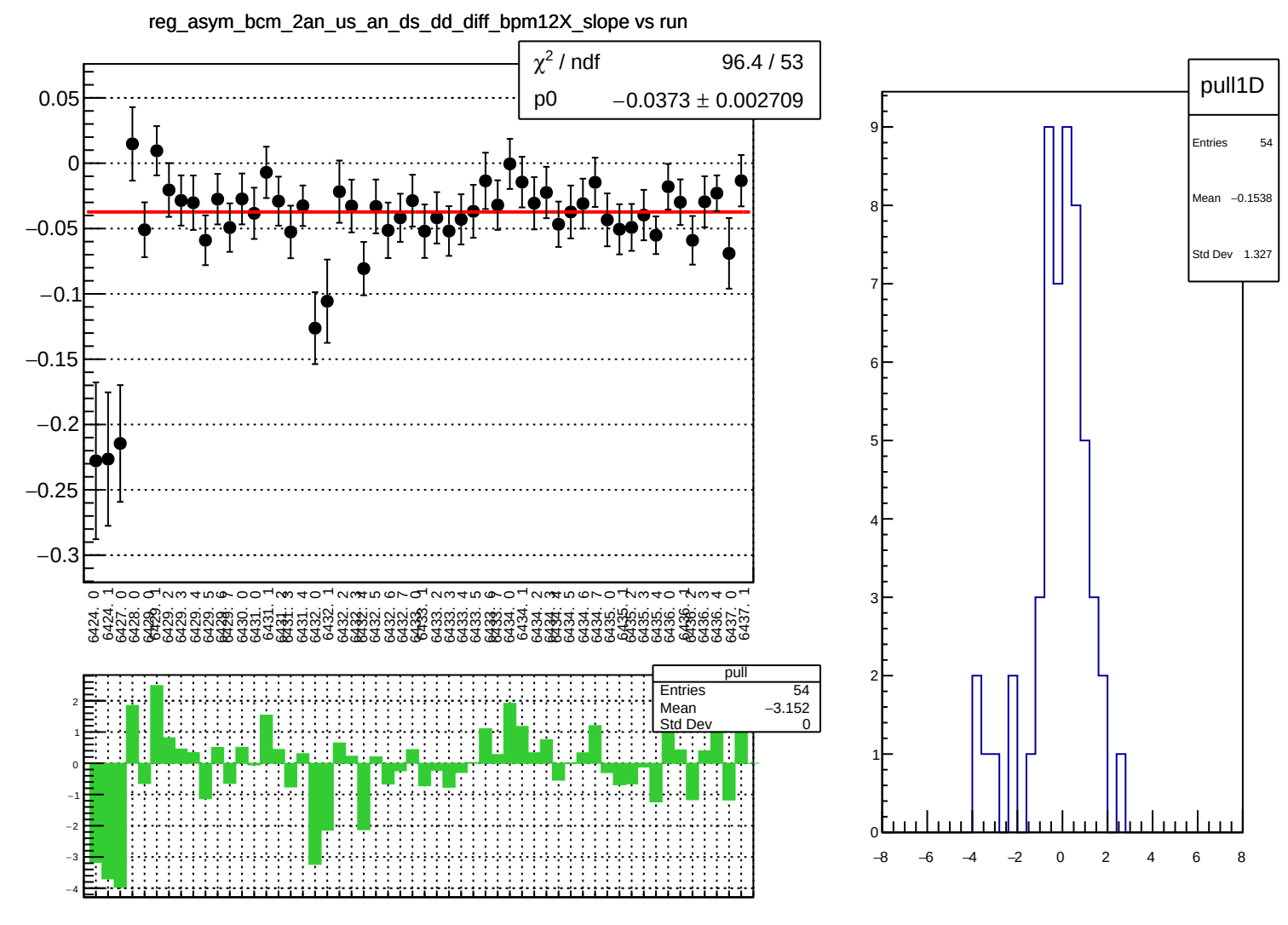

pull1D
Entries 54
Mean −0.1601
Std Dev 1.288

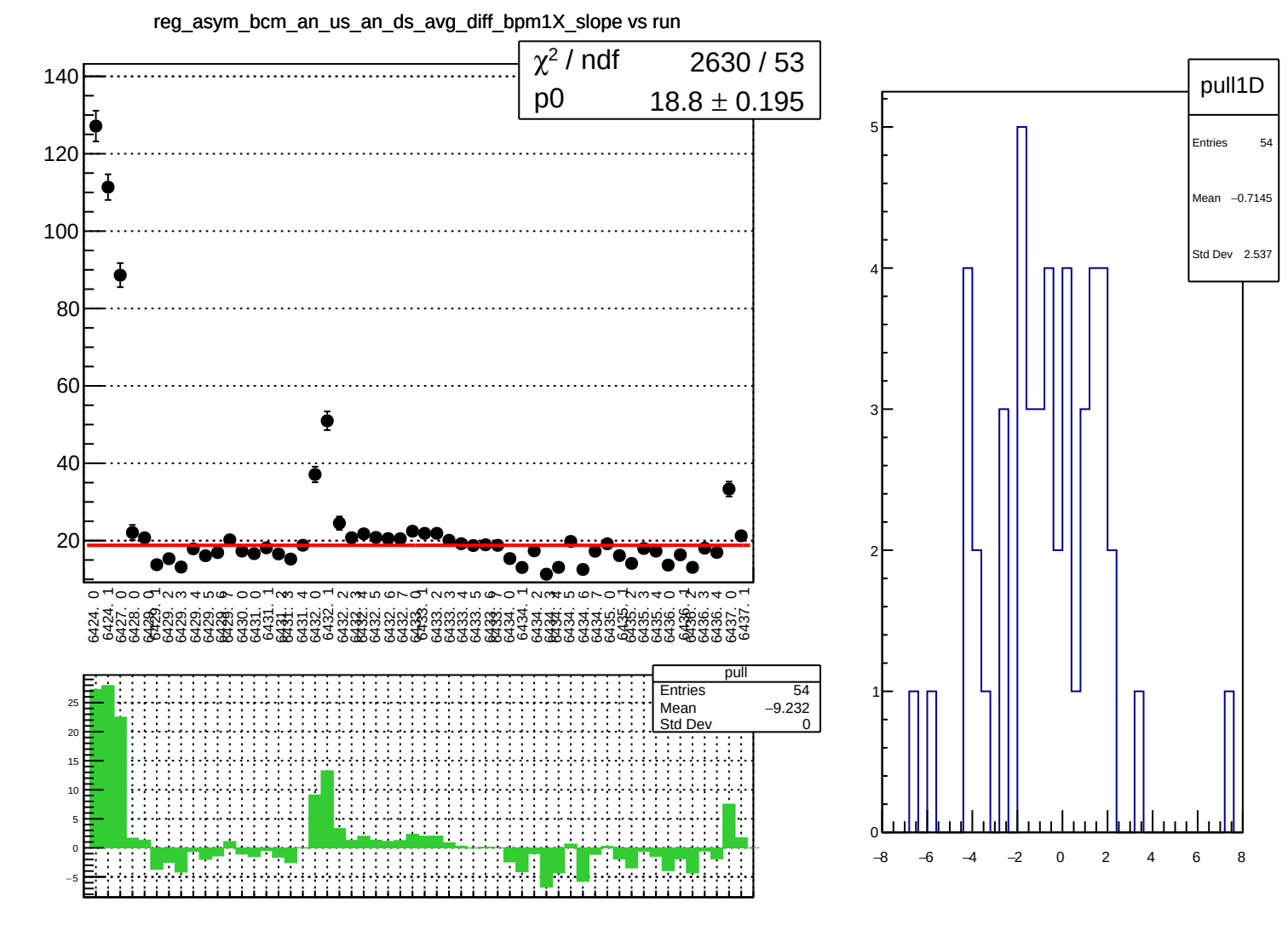

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 2612 / 53
p0 6.328 ± 0.06669
pull
Entries 54
Mean −10.22
Std Dev 0
pull1D
Entries 54
Mean −0.7369
Std Dev 2.465

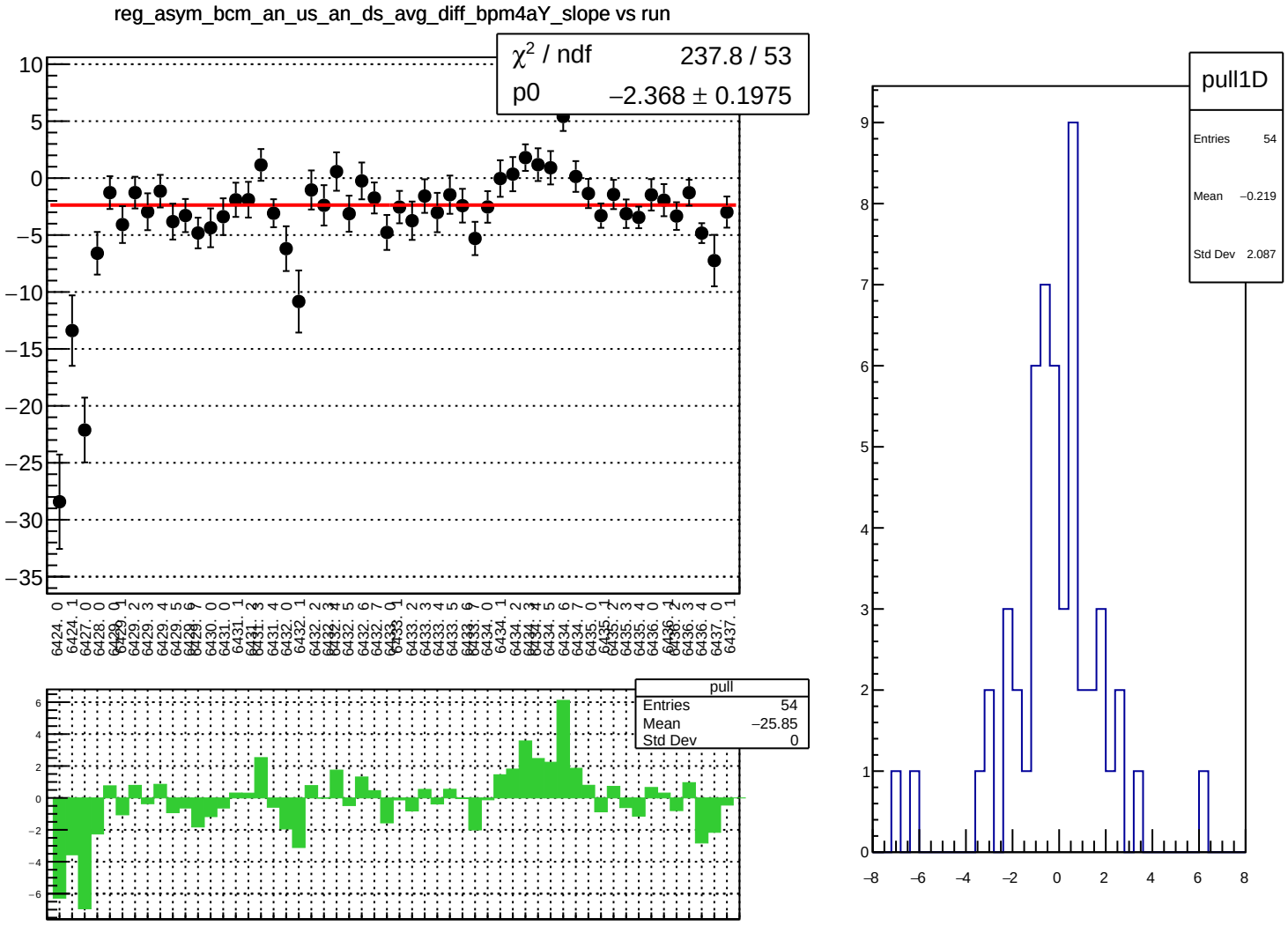

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 227 / 53
p0 −0.8266 ± 0.06754
pull
Entries 54
Mean −27.75
Std Dev 0
pull1D
Entries 54
Mean −0.2119
Std Dev 2.039

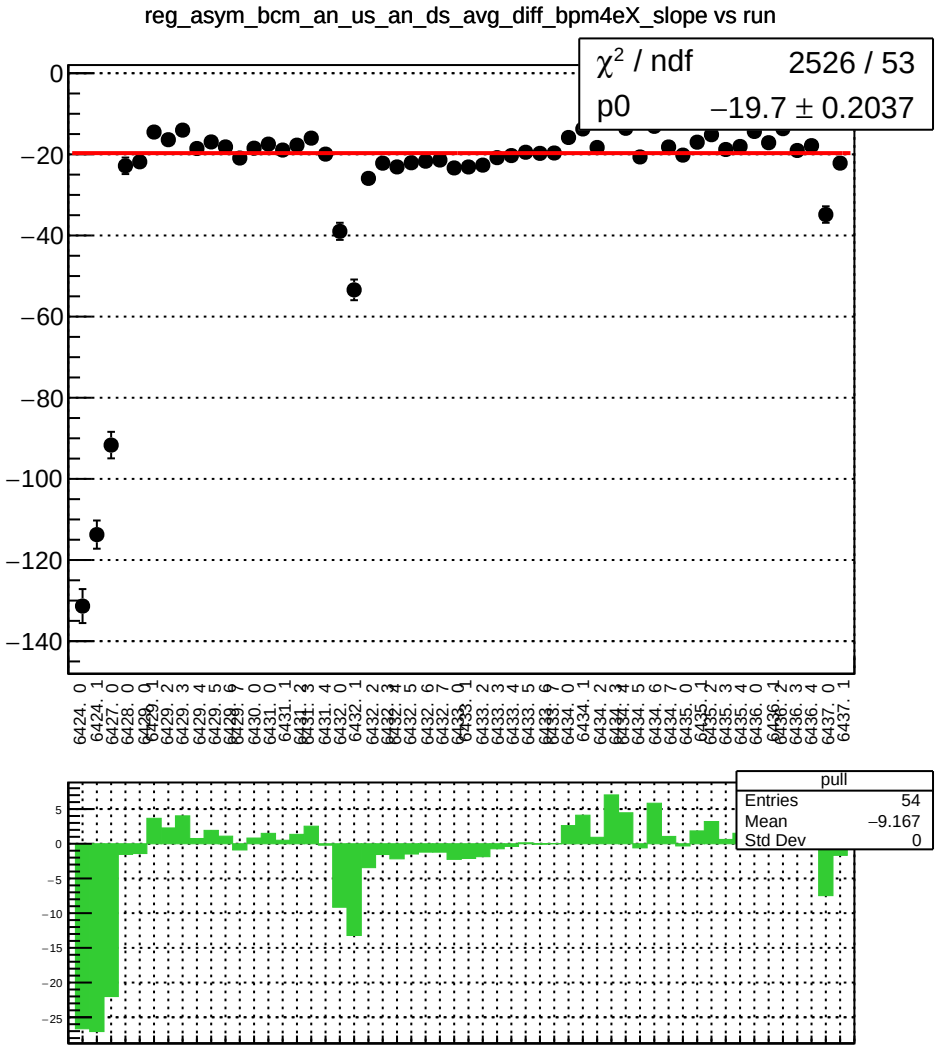

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 2510 / 53
p0 −6.647 ± 0.06967
pull
Entries 54
Mean −10.17
Std Dev 0
pull1D
Entries 54
Mean 0.7101
Std Dev 2.481

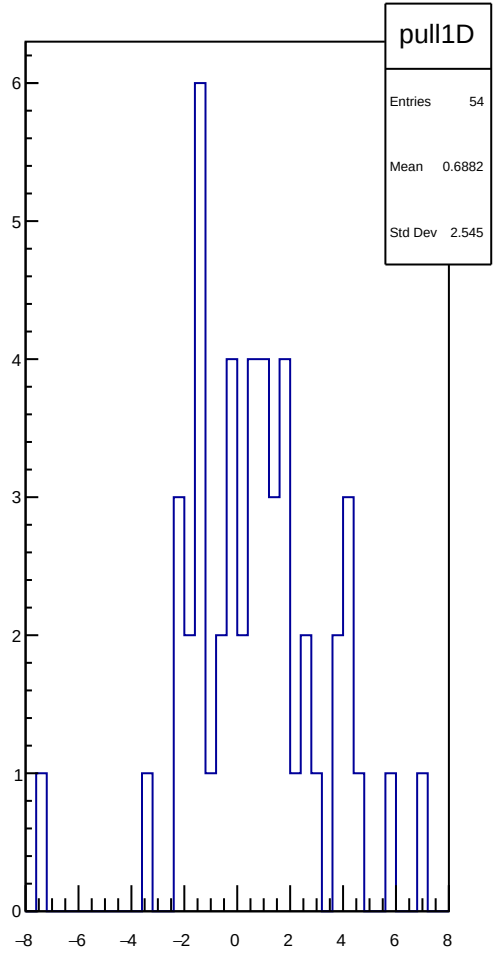

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 219.9 / 53
p0 0.9879 ± 0.06881
pull
Entries 54
Mean −30.99
Std Dev 0
pull1D
Entries 54
Mean 0.1922
Std Dev 2.009

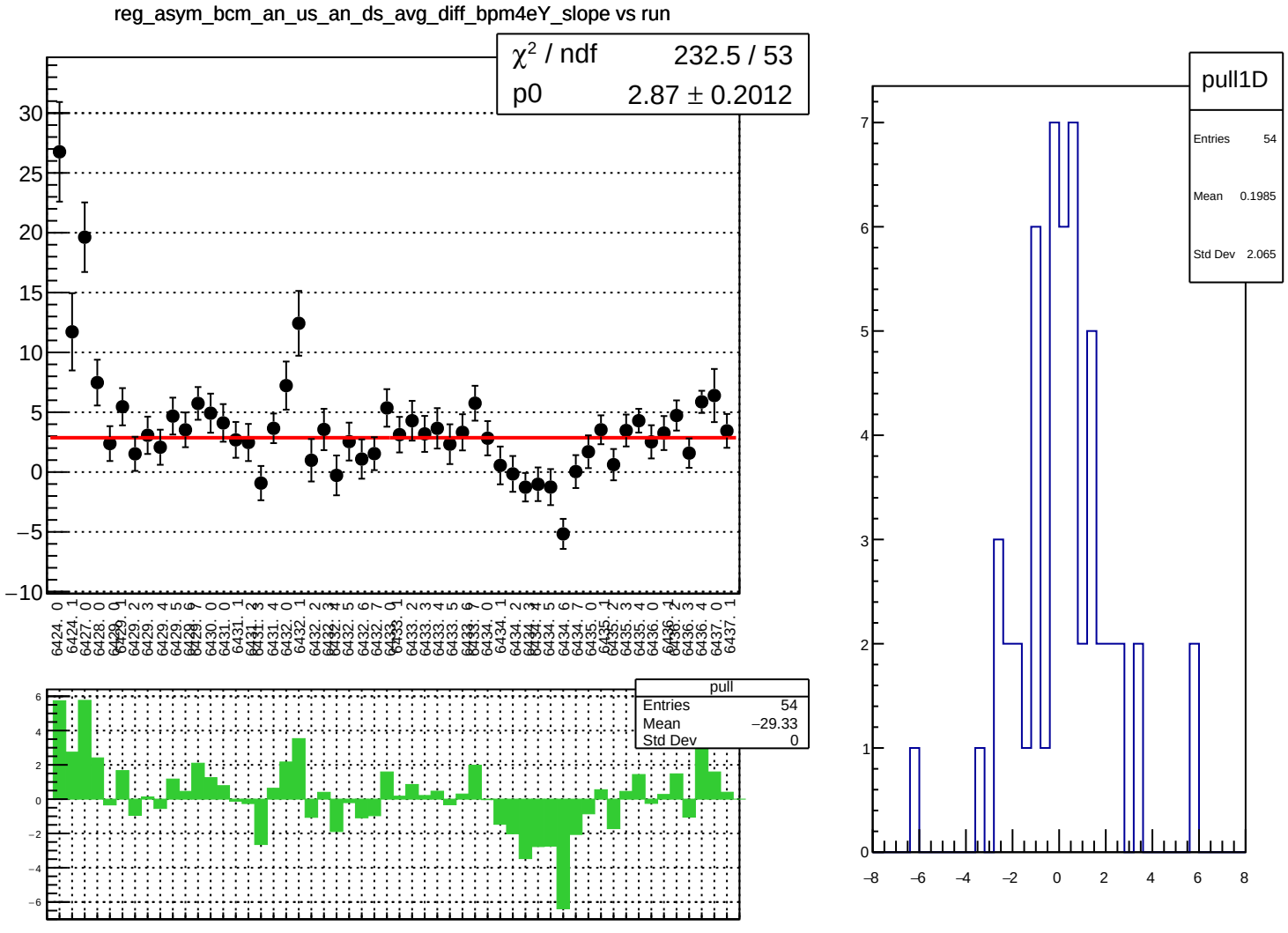

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 96.4 / 53
p0 −0.0373 ± 0.002709
pull
Entries 54
Mean −3.152
Std Dev 0
pull1D
Entries 54
Mean −0.1538
Std Dev 1.327

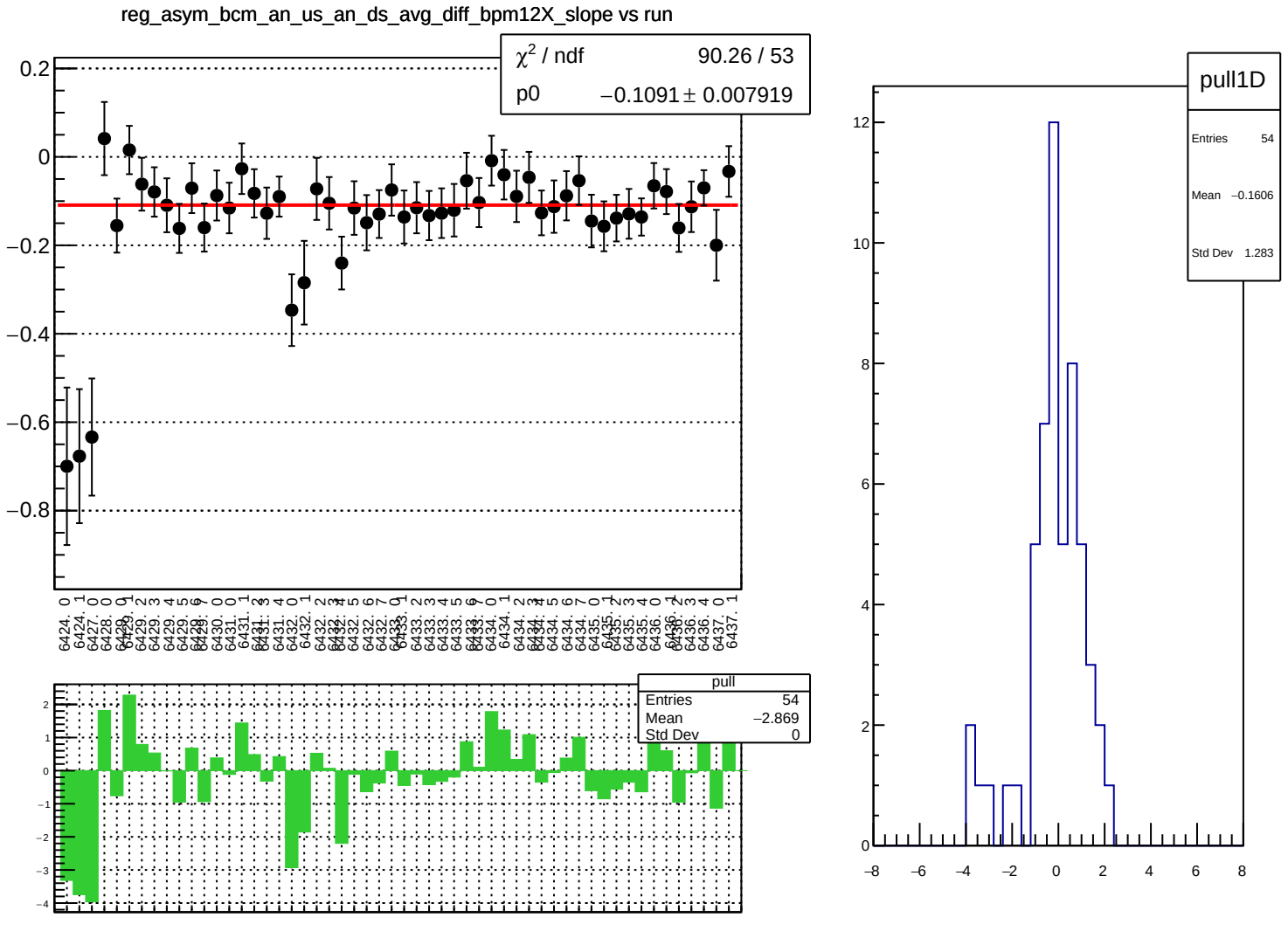

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 2630 / 53
p0 18.8 ± 0.195
pull
Entries 54
Mean −9.232
Std Dev 0
pull1D
Entries 54
Mean −0.7145
Std Dev 2.537

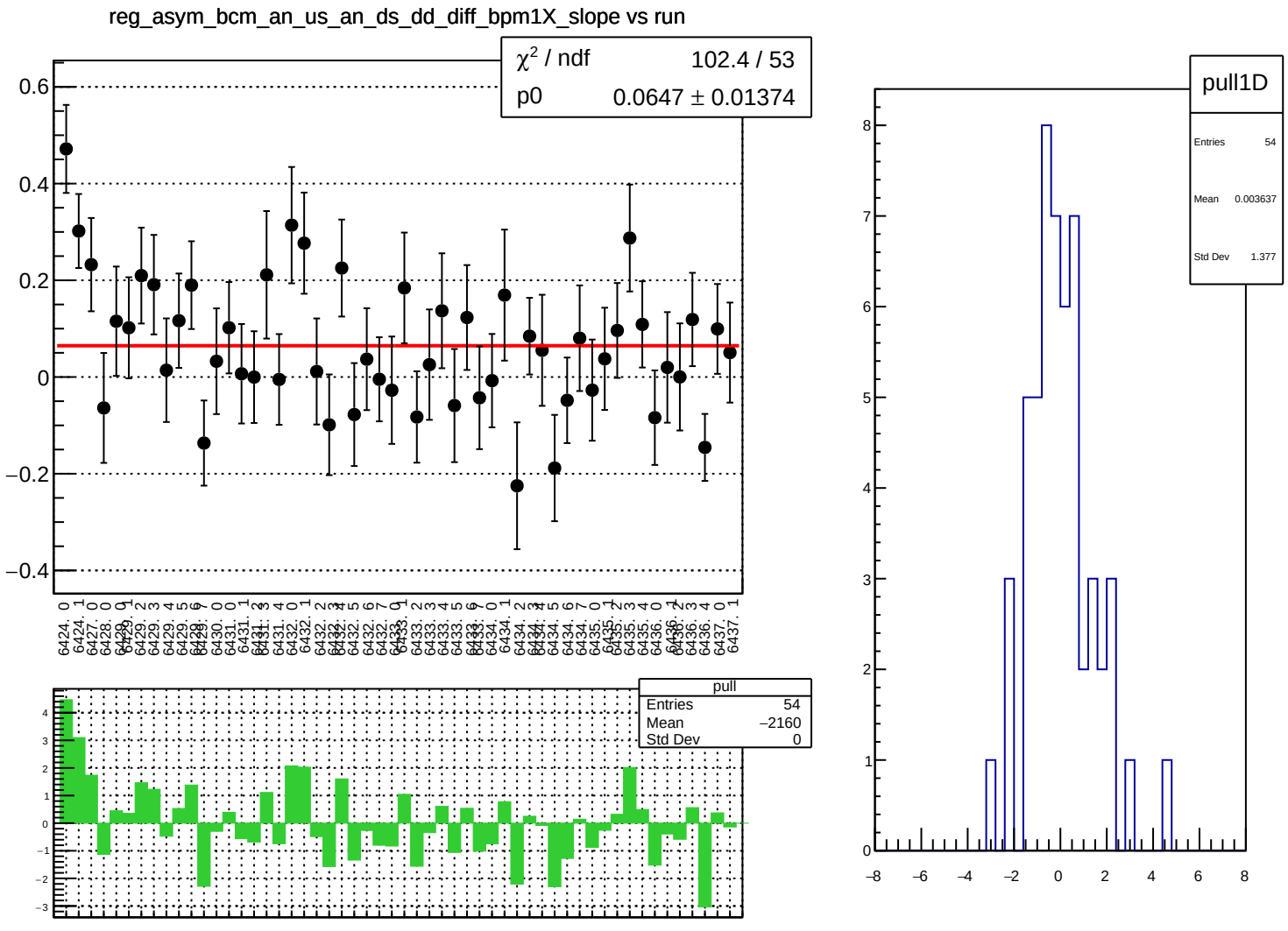

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 237.8 / 53
p0 −2.368 ± 0.1975
pull
Entries 54
Mean −25.85
Std Dev 0
pull1D
Entries 54
Mean −0.219
Std Dev 2.087

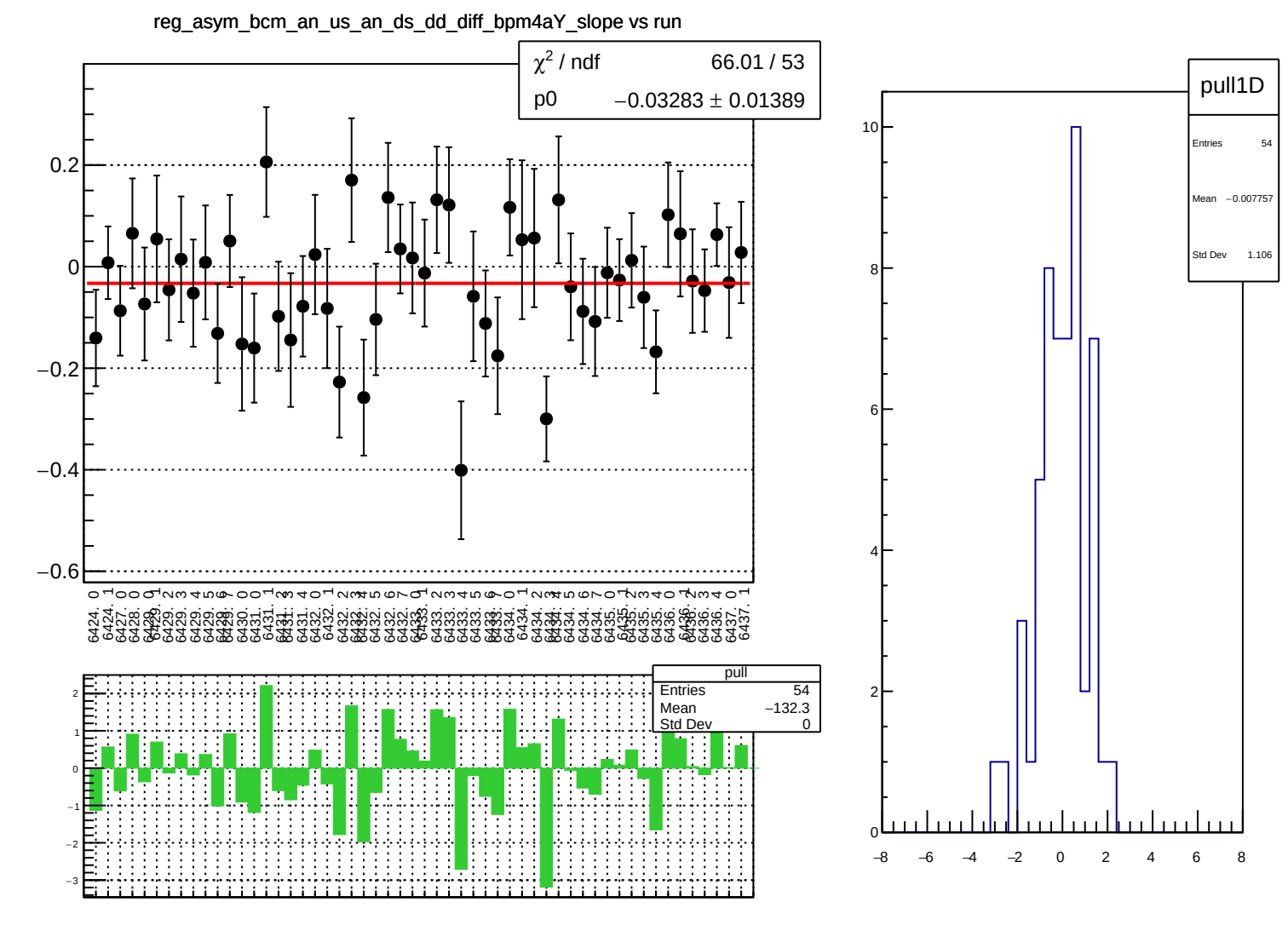

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 2526 / 53
p0 −19.7 ± 0.2037
pull
Entries 54
Mean −9.167
Std Dev 0

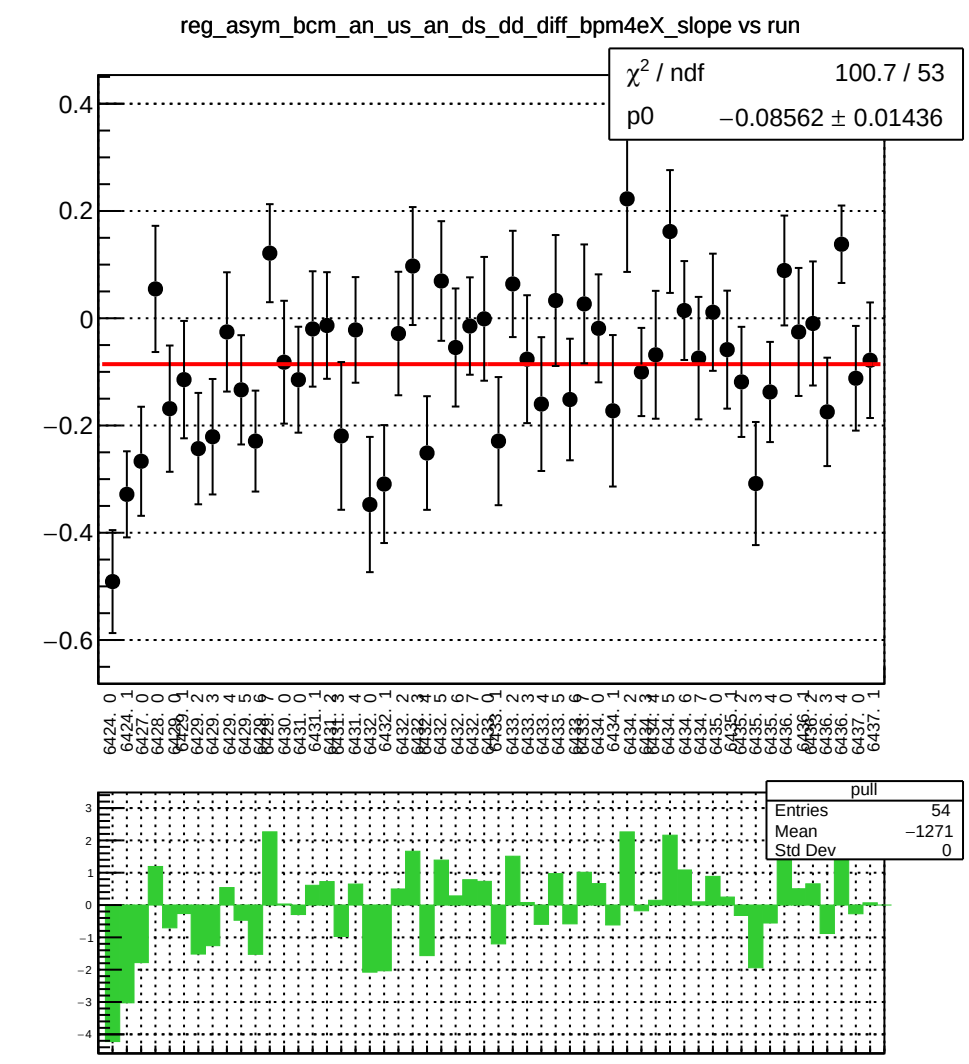

pull1D
Entries 54
Mean 0.6882
Std Dev 2.545

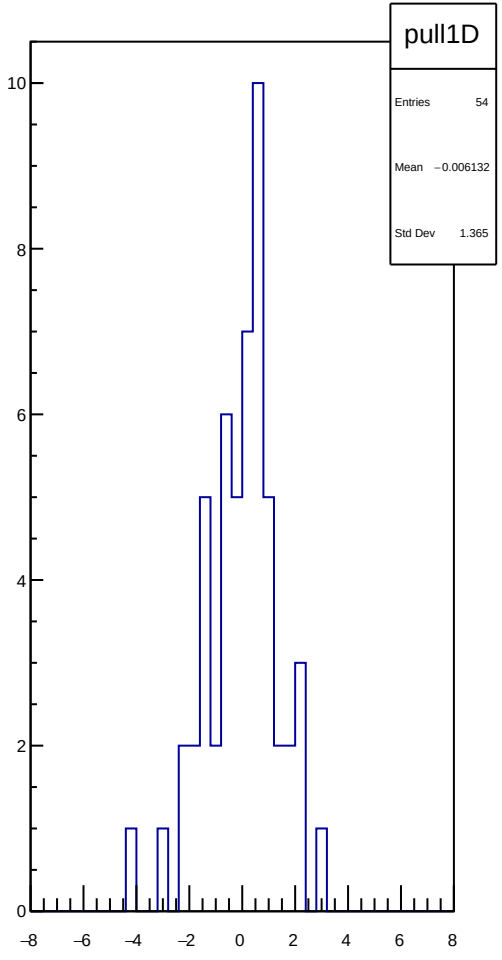

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 232.5 / 53
p0 2.87 ± 0.2012
pull
Entries 54
Mean −29.33
Std Dev 0
pull1D
Entries 54
Mean 0.1985
Std Dev 2.065

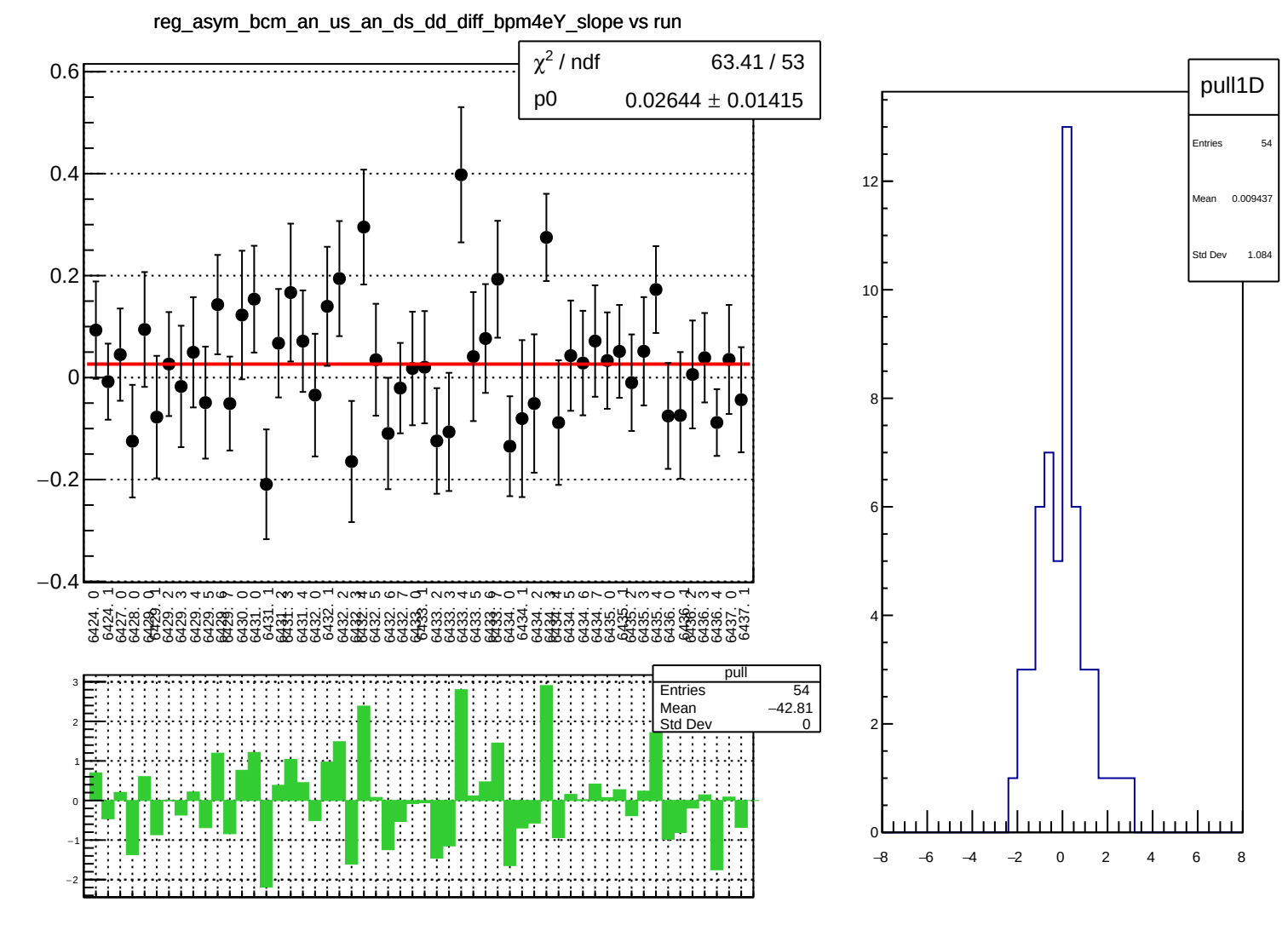

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 90.26 / 53
p0 −0.1091 ± 0.007919
pull
Entries 54
Mean −2.869
Std Dev 0
pull1D
Entries 54
Mean −0.1606
Std Dev 1.283

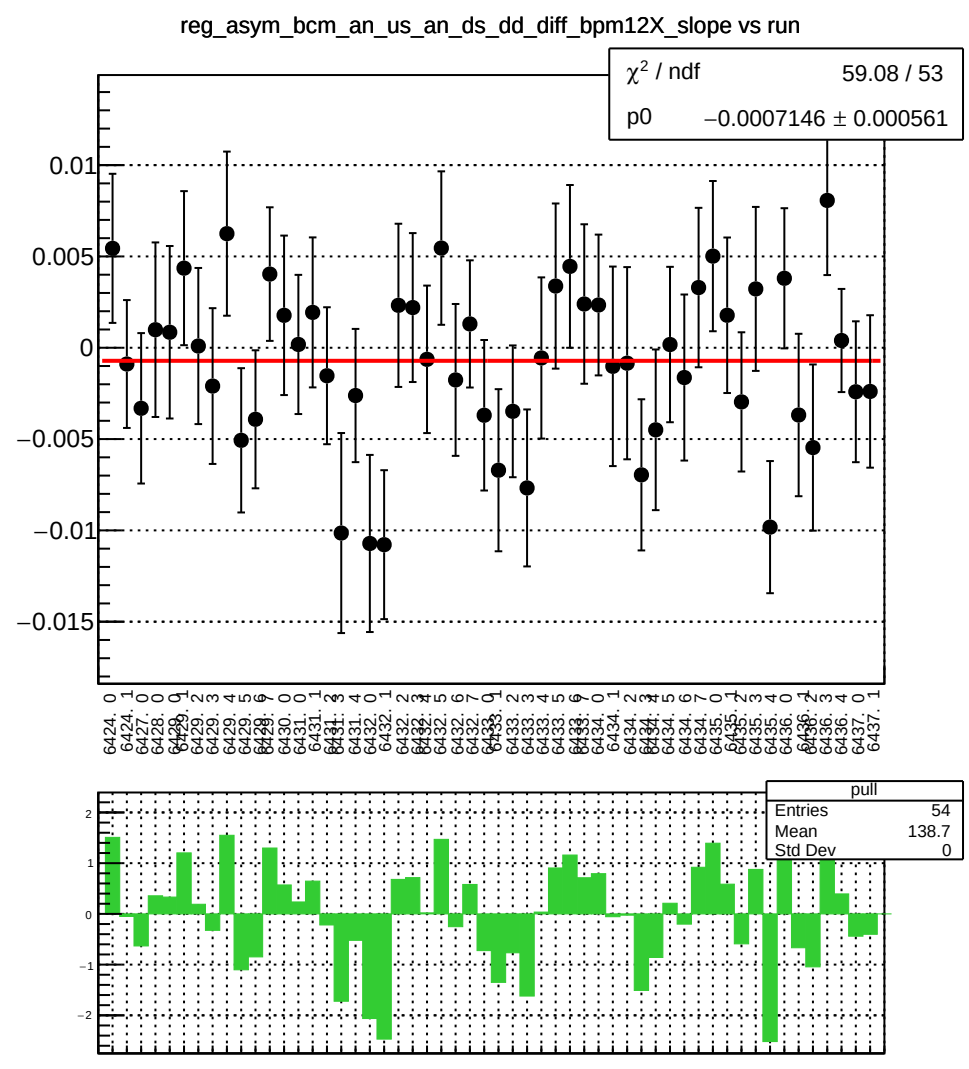

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 102.4 / 53
p0 0.0647 ± 0.01374
pull
Entries 54
Mean −2160
Std Dev 0
pull1D
Entries 54
Mean 0.003637
Std Dev 1.377

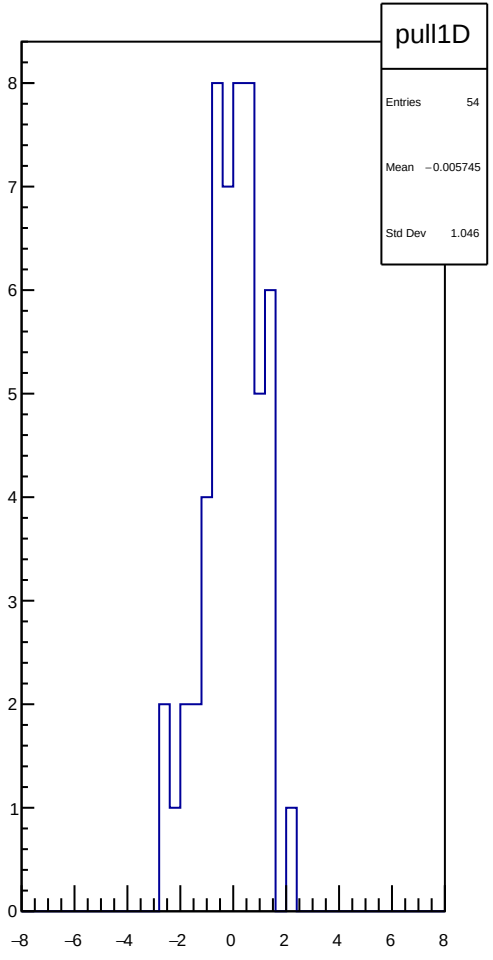

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.01 / 53
p0 −0.03283 ± 0.01389
pull
Entries 54
Mean −132.3
Std Dev 0
pull1D
Entries 54
Mean −0.007757
Std Dev 1.106

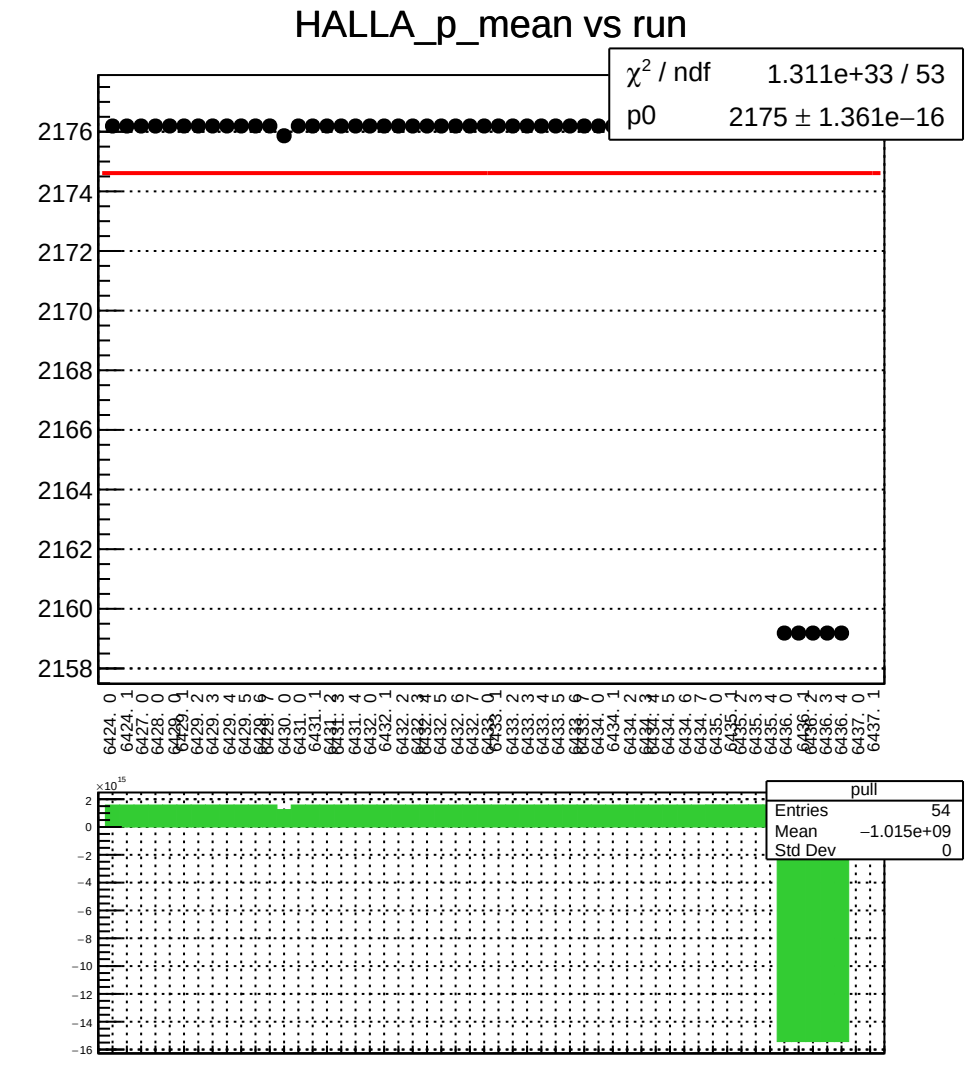

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 100.7 / 53
p0 −0.08562 ± 0.01436
pull
Entries 54
Mean −1271
Std Dev 0

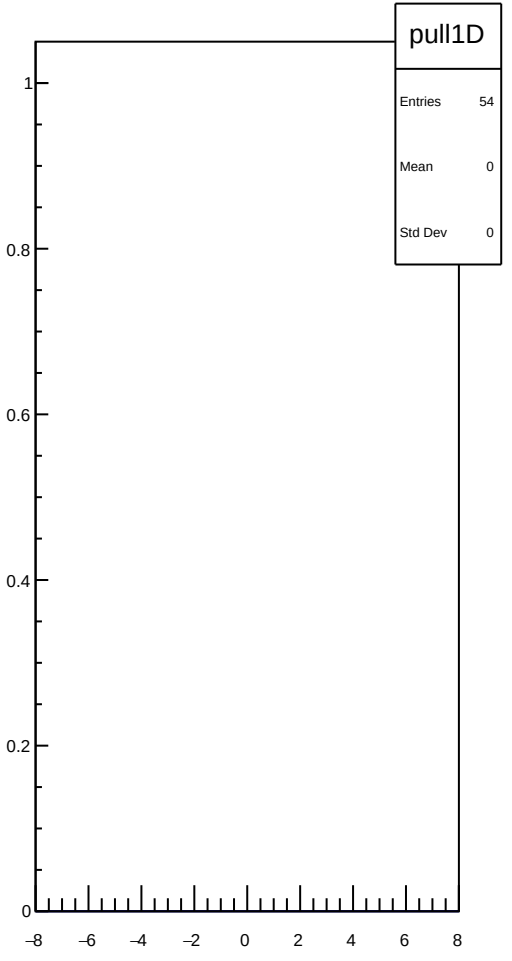

pull1D
Entries 54
Mean −0.006132
Std Dev 1.365

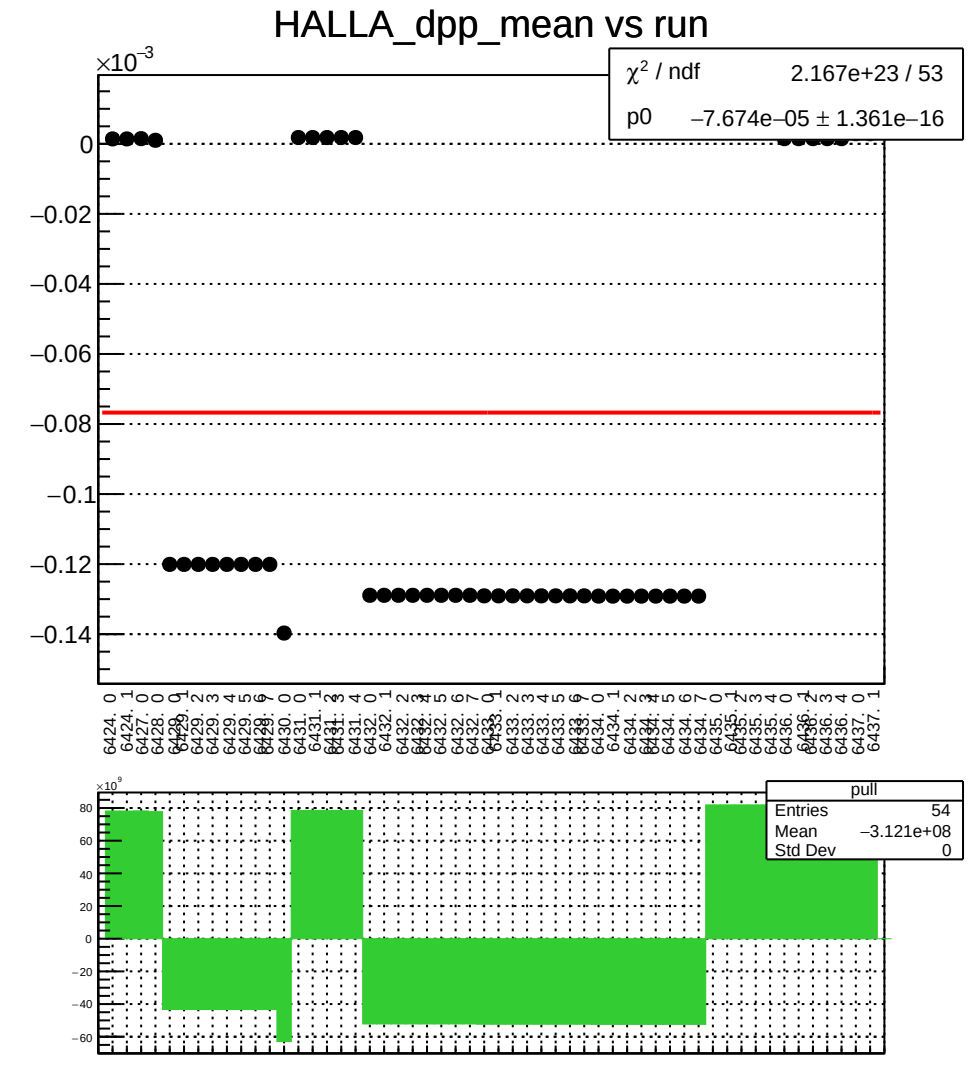

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.41 / 53
p0 0.02644 ± 0.01415
pull
Entries 54
Mean −42.81
Std Dev 0
pull1D
Entries 54
Mean 0.009437
Std Dev 1.084

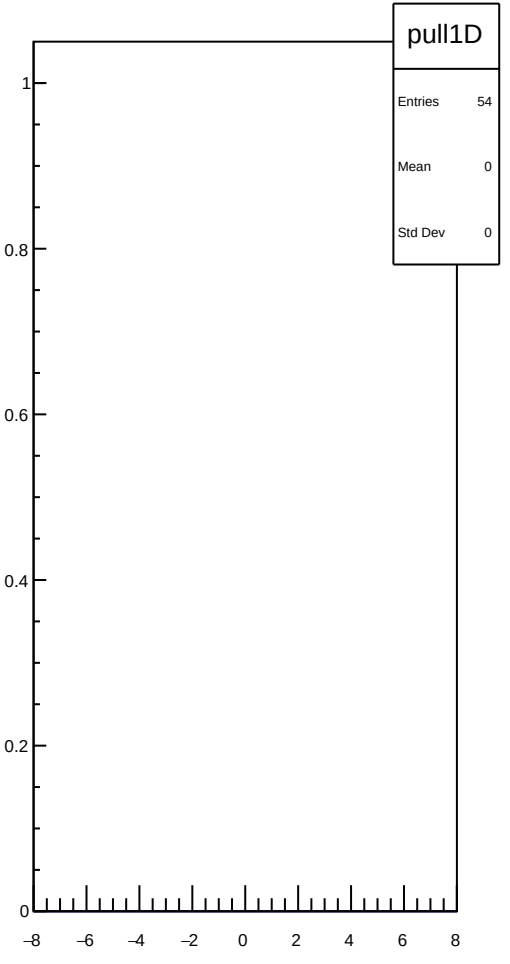

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 59.08 / 53
p0 −0.0007146 ± 0.000561
pull
Entries 54
Mean 138.7
Std Dev 0

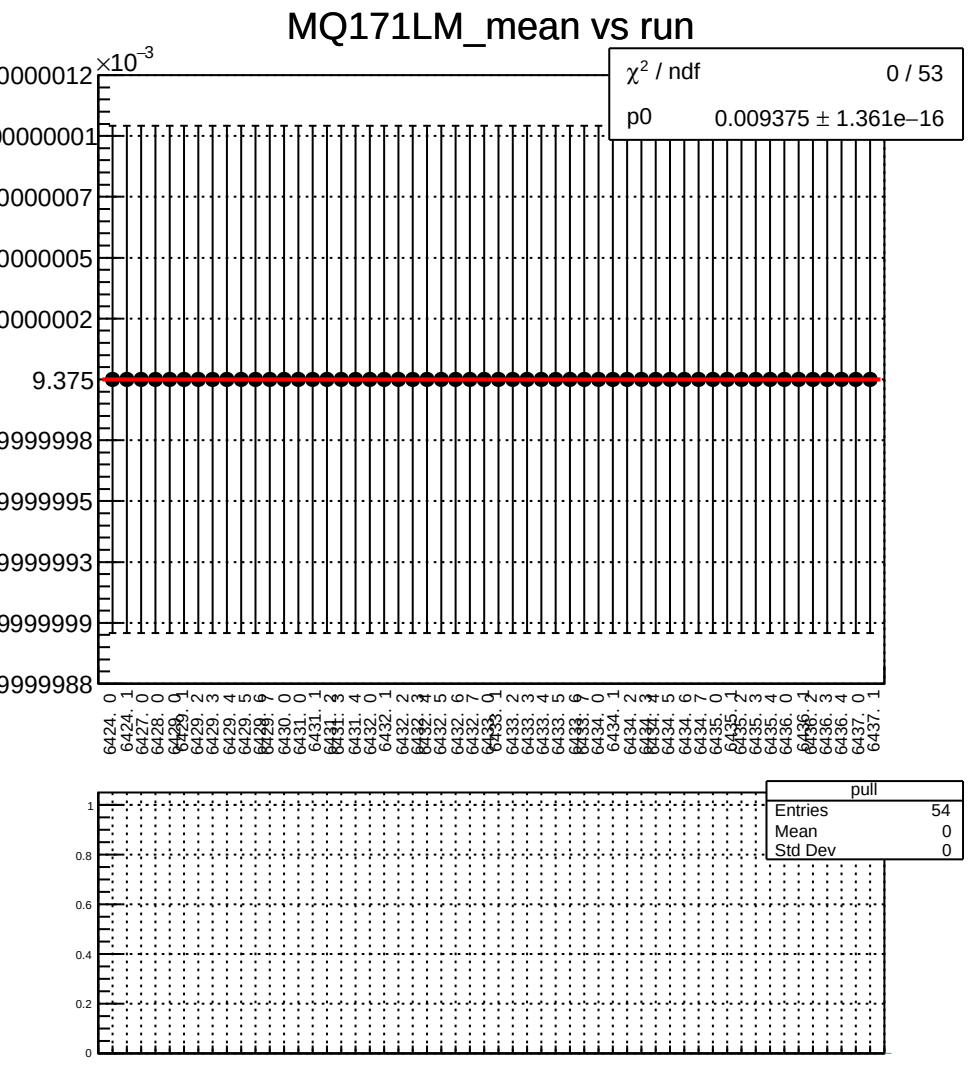

pull1D
Entries 54
Mean −0.005745
Std Dev 1.046

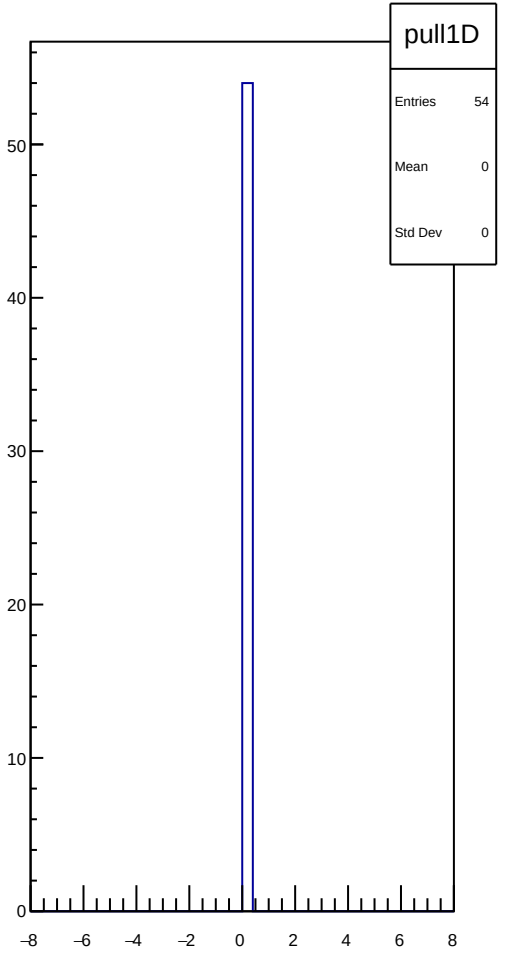

HALLA_p_mean vs run
χ² / ndf 1.311e+33 / 53
p0 2175 ± 1.361e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 54
Mean −1.015e+09
Std Dev 0
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14
−16

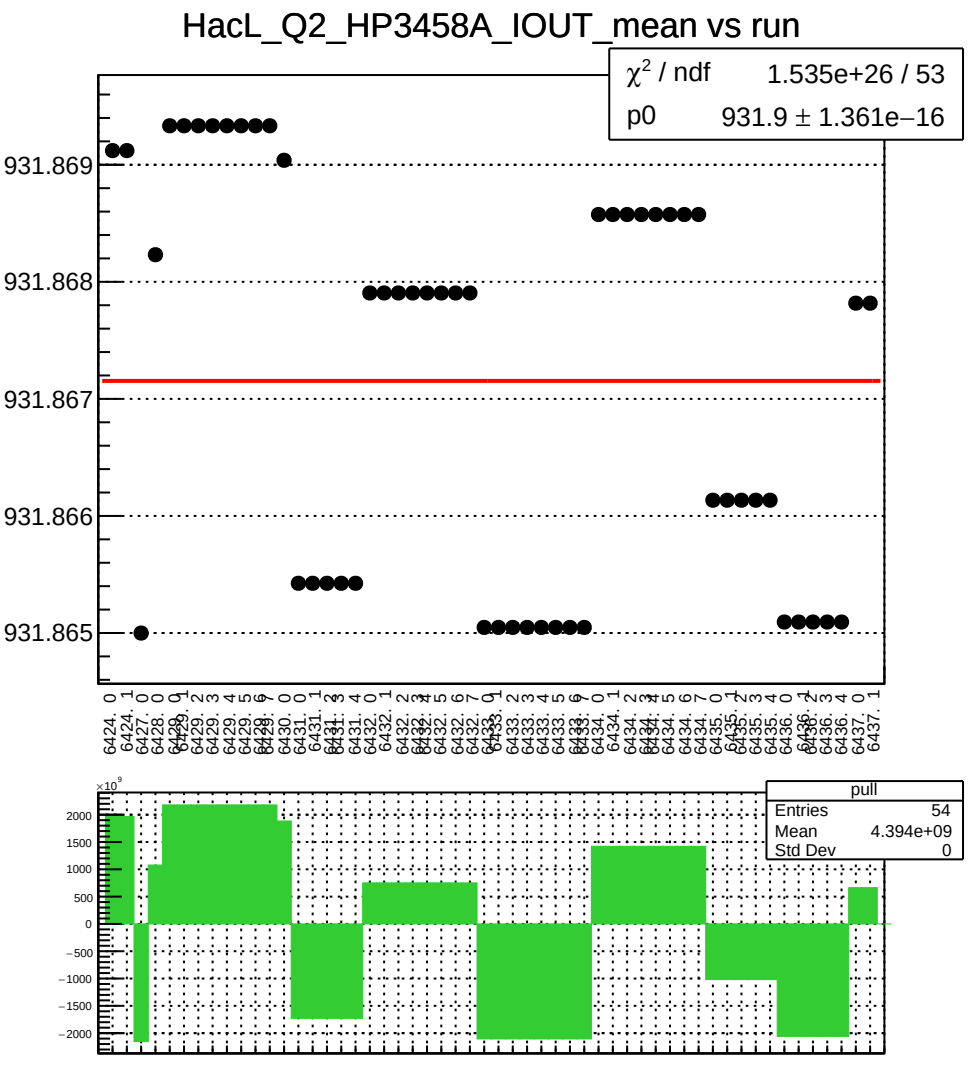

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

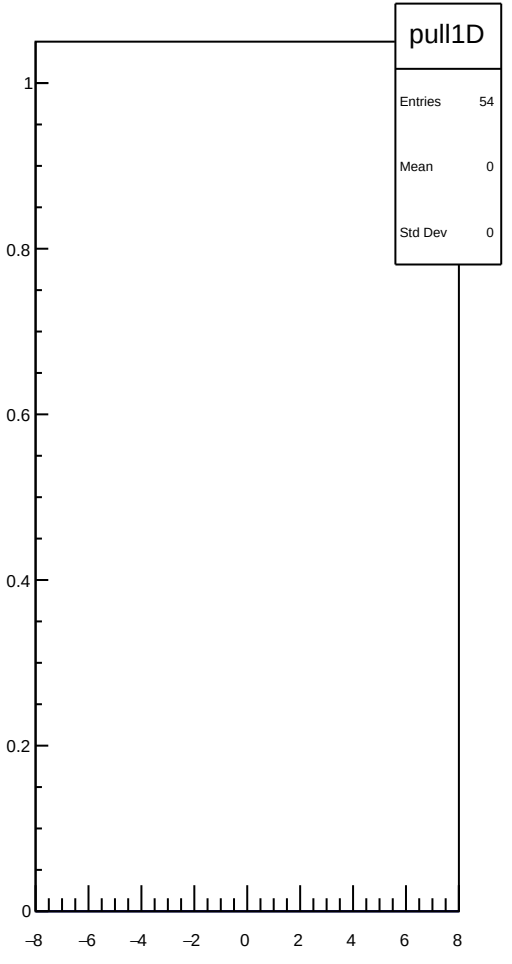

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 2.167e+23 / 53
p0 −7.674e−05 ± 1.361e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
×10⁹
pull
Entries 54
Mean −3.121e+08
Std Dev 0
80
60
40
20
0
−20
−40
−60

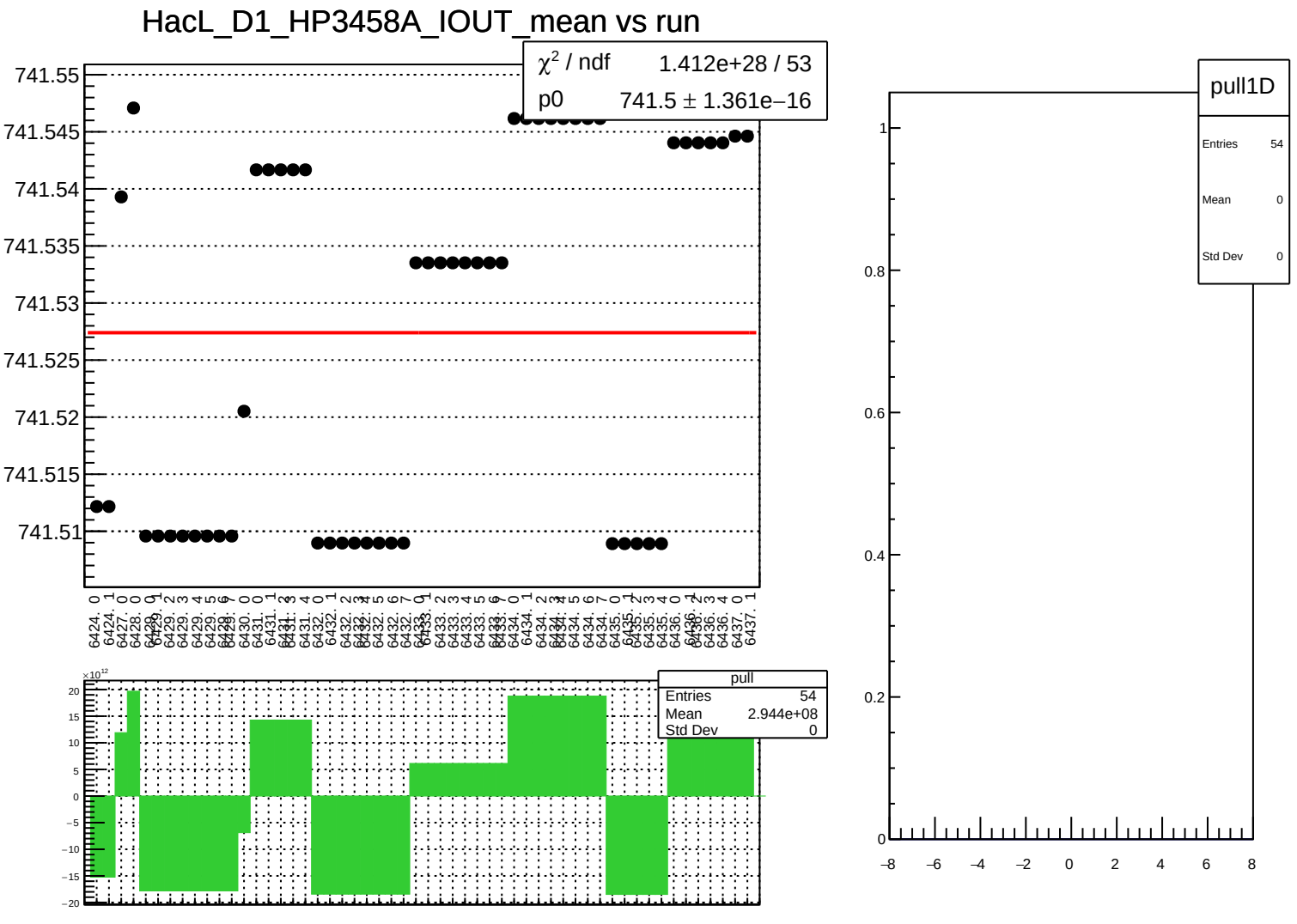

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

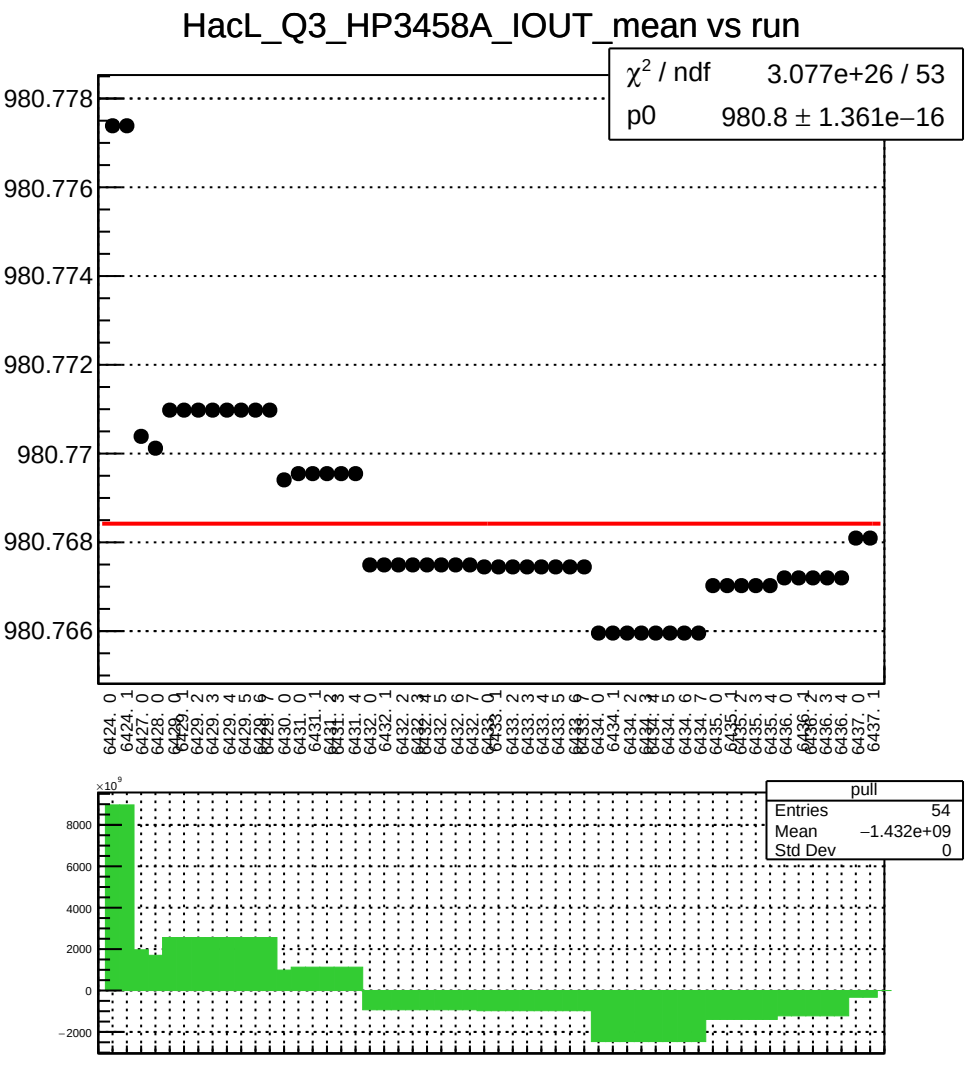

MQ171LM_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

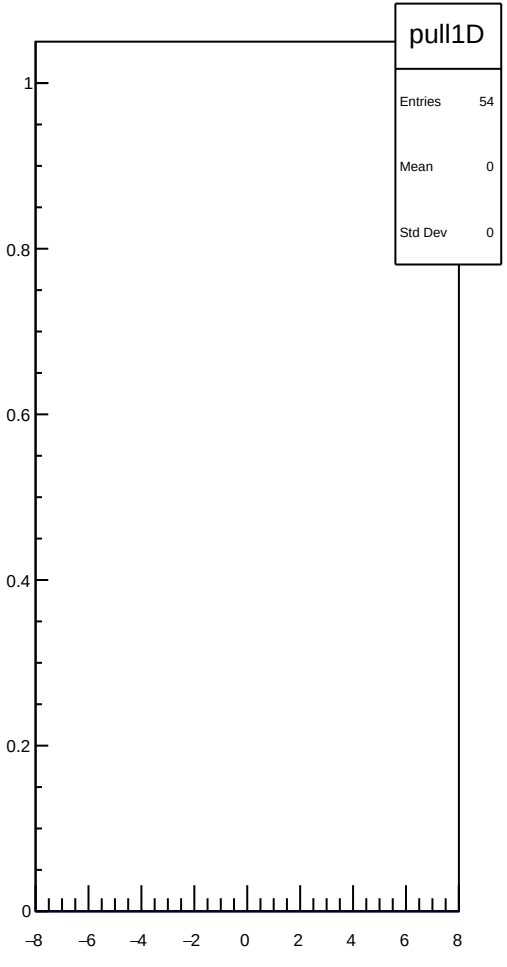

pull1D
Entries 54
Mean 0
Std Dev 0

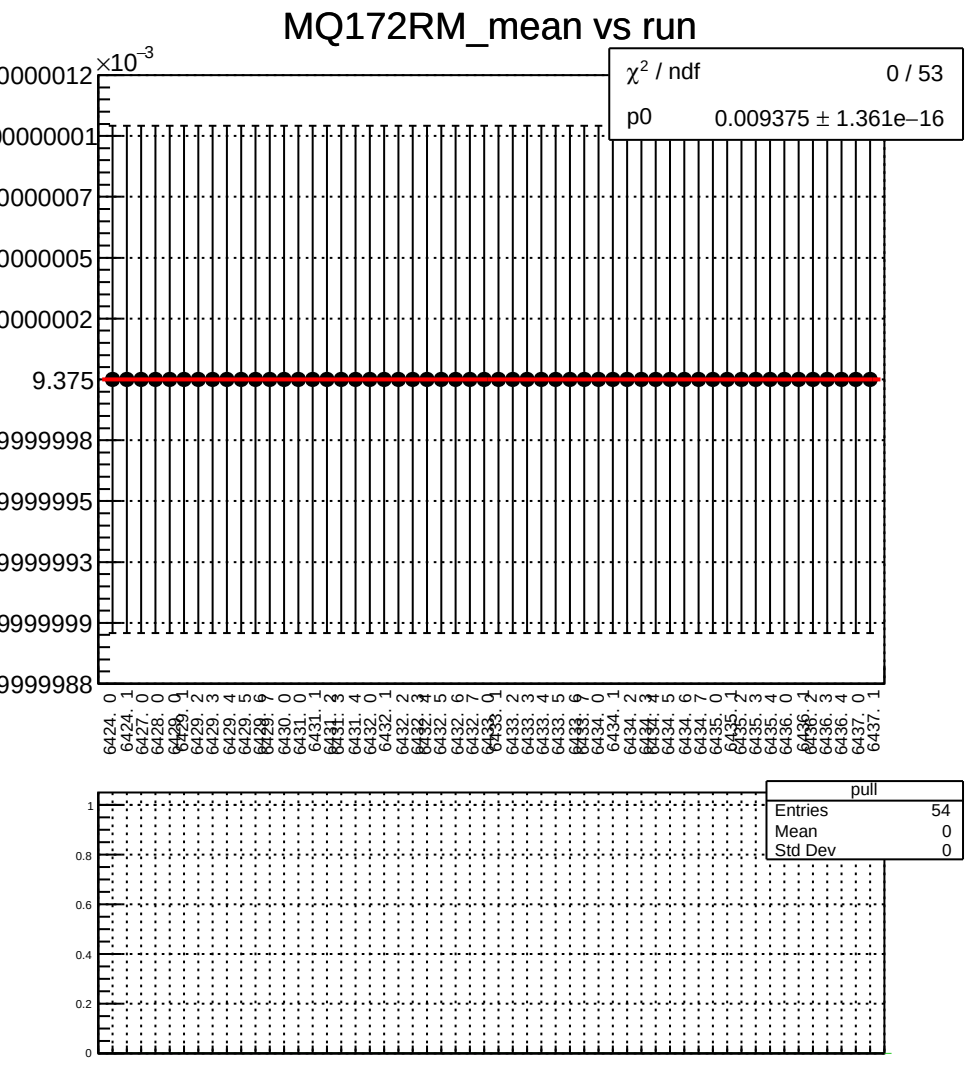

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.535e+26 / 53
p0 931.9 ± 1.361e−16
931.869
931.868
931.867
931.866
931.865
pull
Entries 54
Mean 4.394e+09
Std Dev 0
×10⁹
2000
1500
1000
500
0
−500
−1000
−1500
−2000

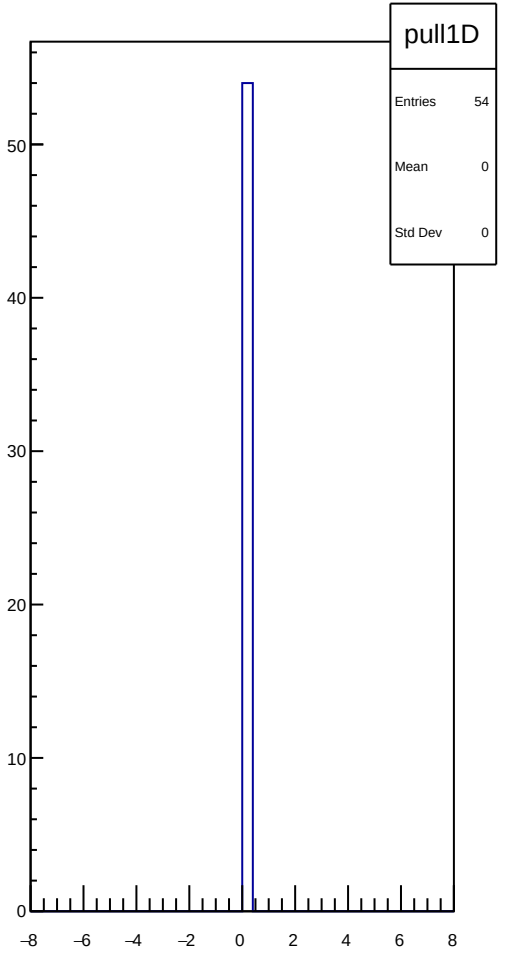

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

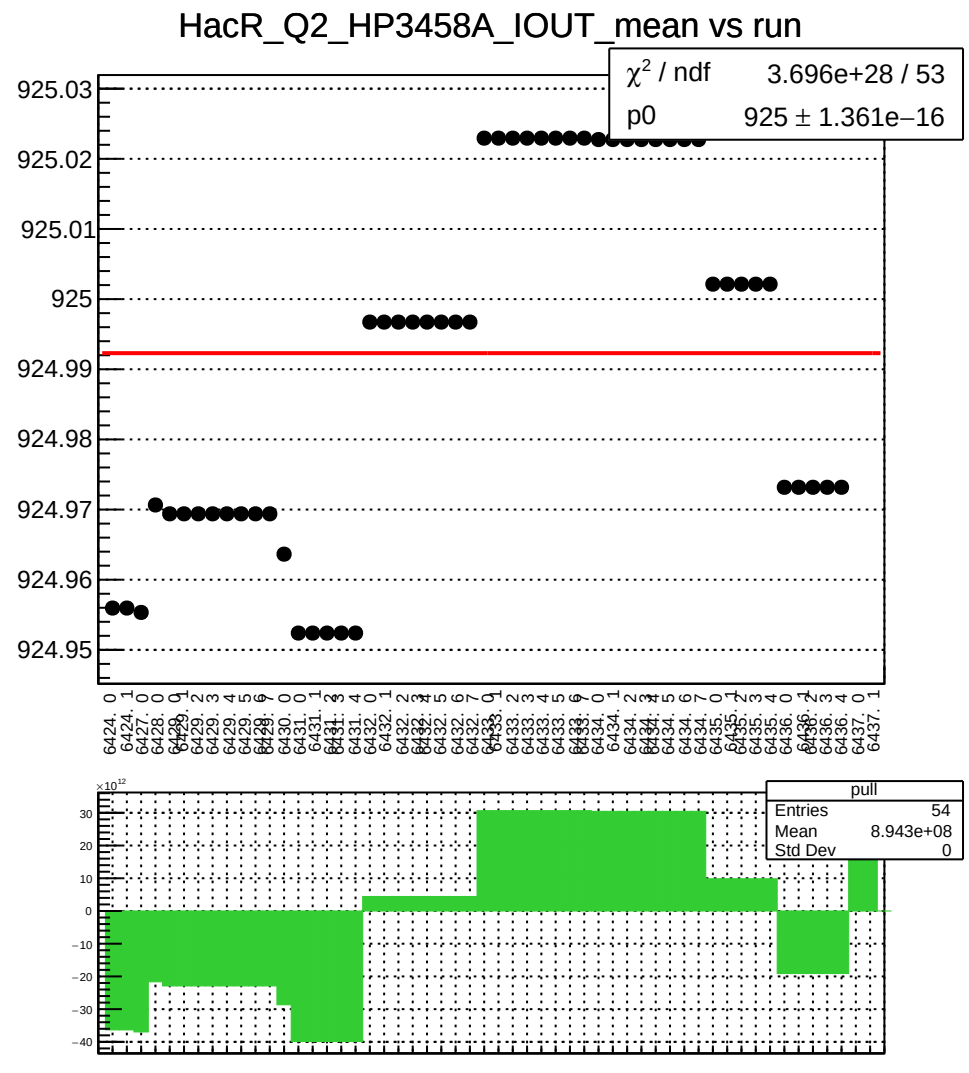

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.412e+28 / 53
p0 741.5 ± 1.361e−16
741.55
741.545
741.54
741.535
741.53
741.525
741.52
741.515
741.51
pull
Entries 54
Mean 2.944e+08
Std Dev 0
×10¹²
20
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

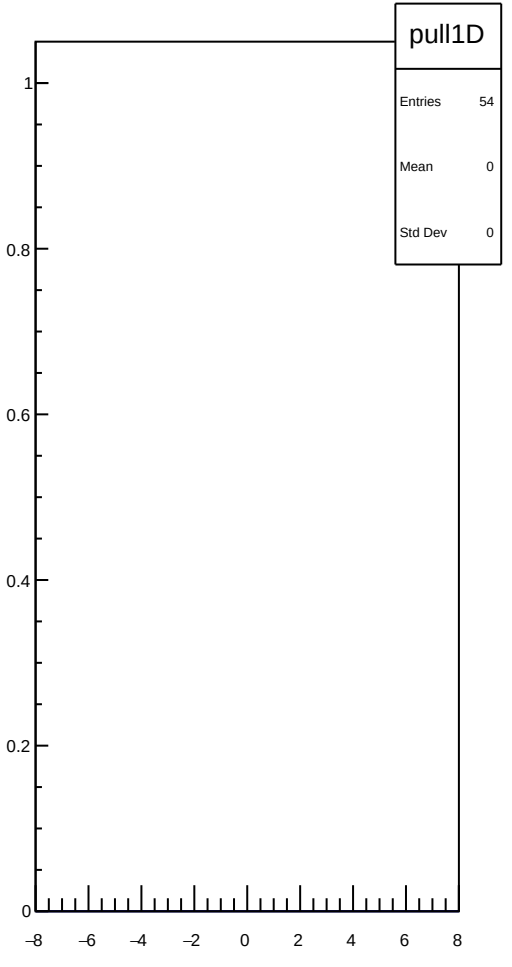

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.077e+26 / 53
p0 980.8 ± 1.361e−16
980.778
980.776
980.774
980.772
980.77
980.768
980.766
pull
Entries 54
Mean −1.432e+09
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000

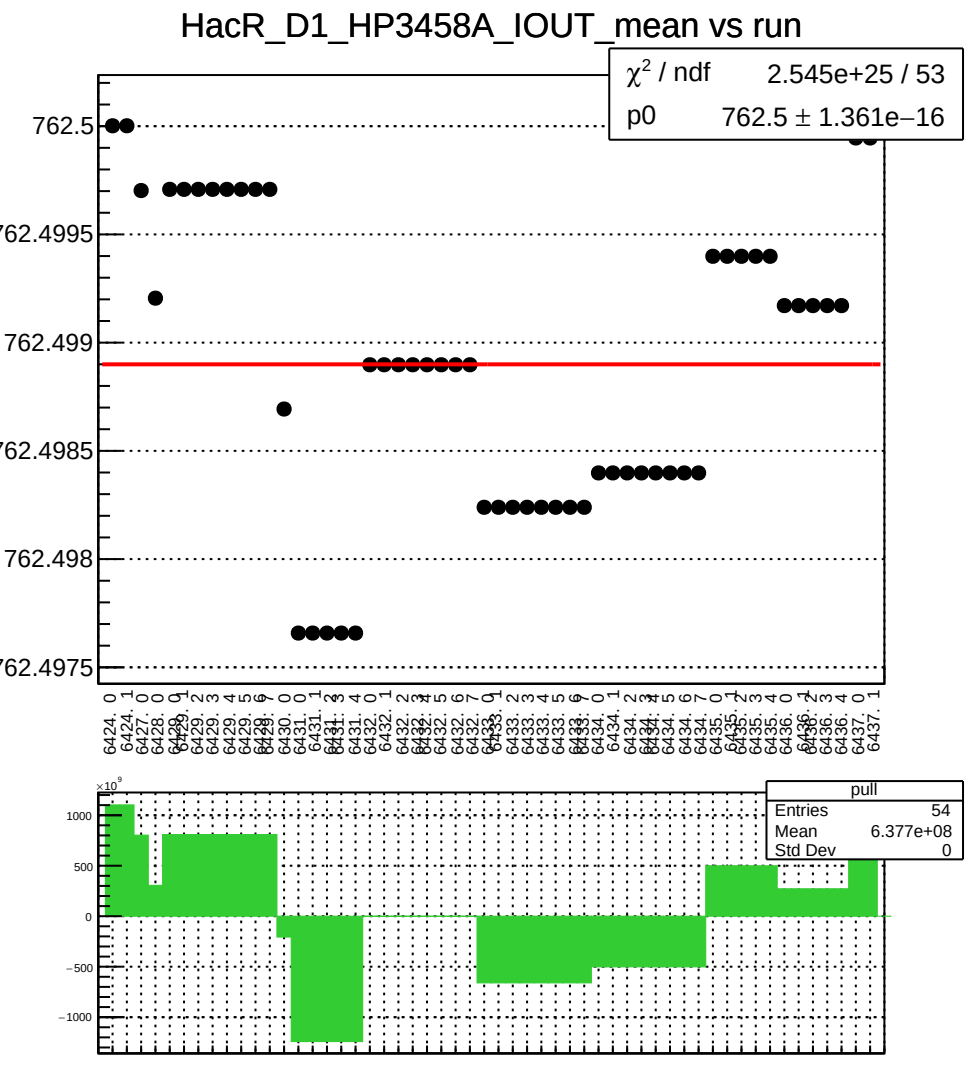

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

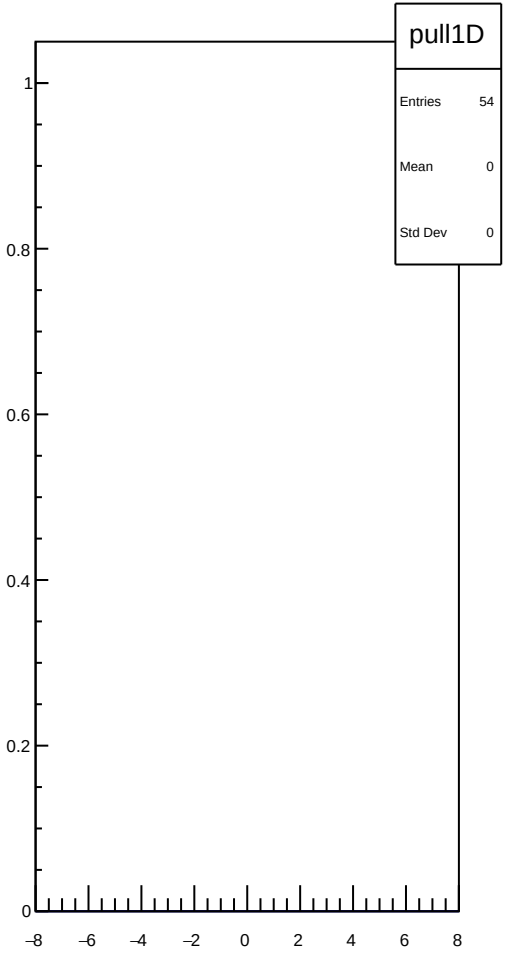

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

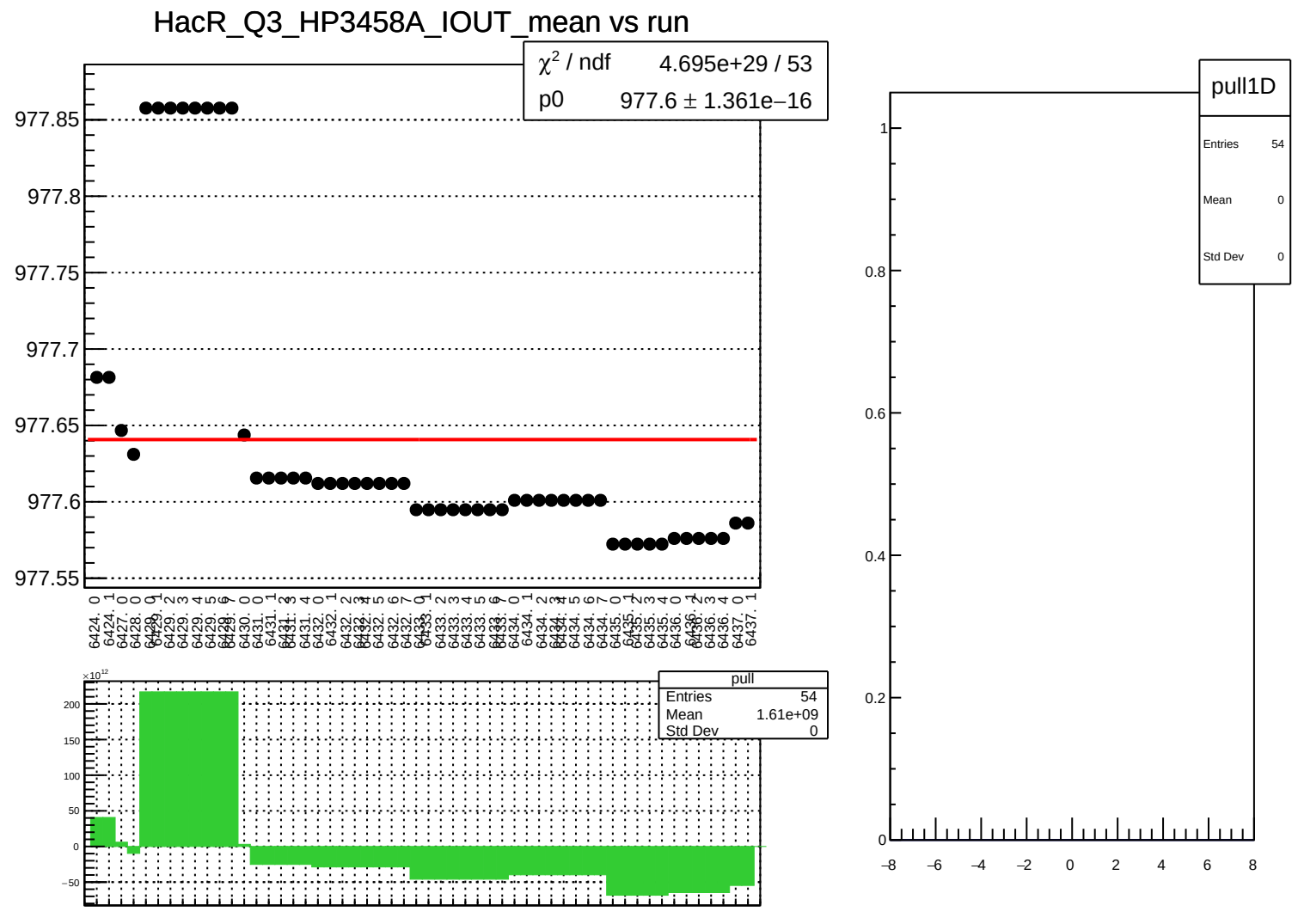

pull1D
Entries 54
Mean 0
Std Dev 0

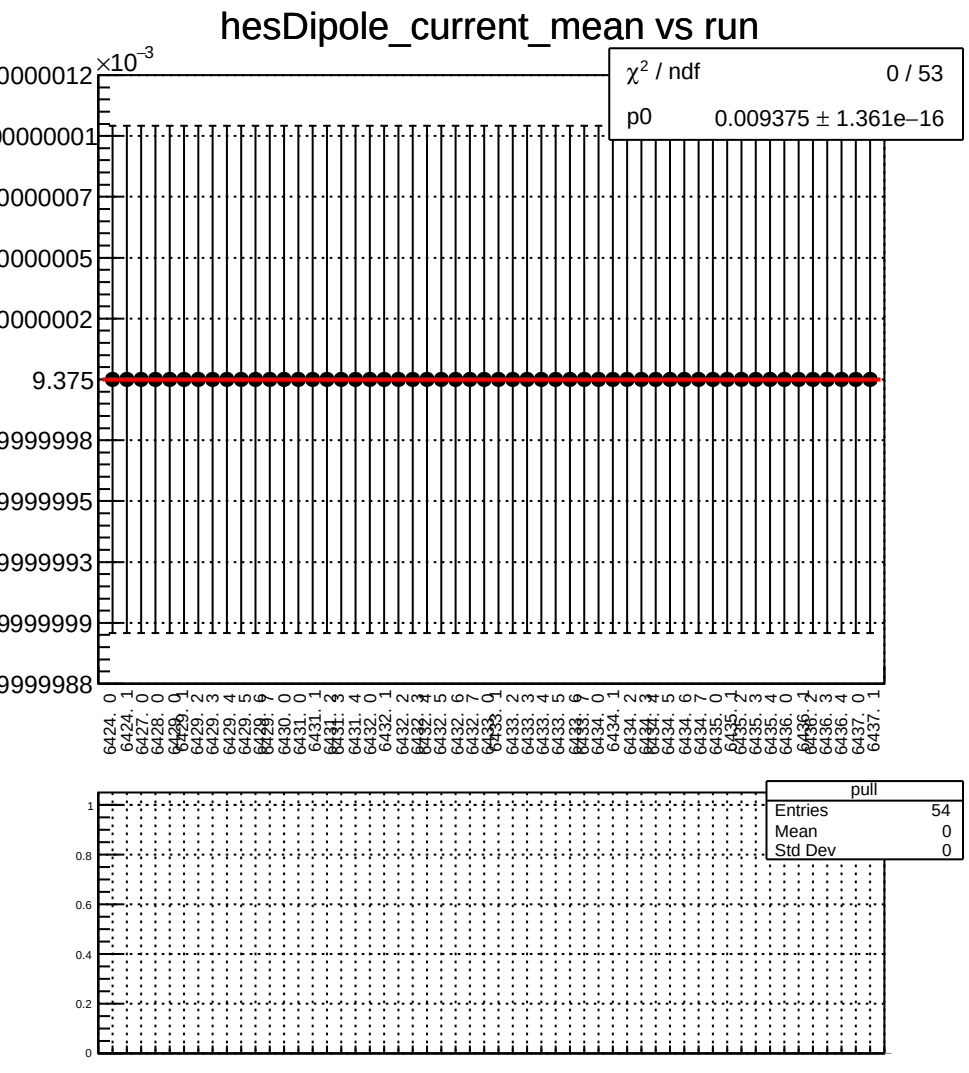

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 3.696e+28 / 53
p0 925 ± 1.361e−16
925.03
925.02
925.01
925
924.99
924.98
924.97
924.96
924.95
pull
Entries 54
Mean 8.943e+08
Std Dev 0
×10¹²
30
20
10
0
−10
−20
−30
−40

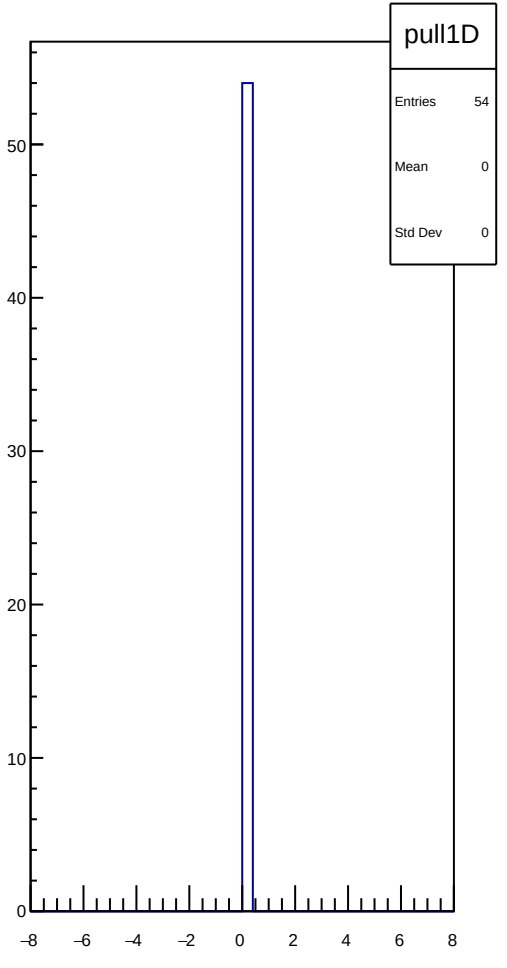

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

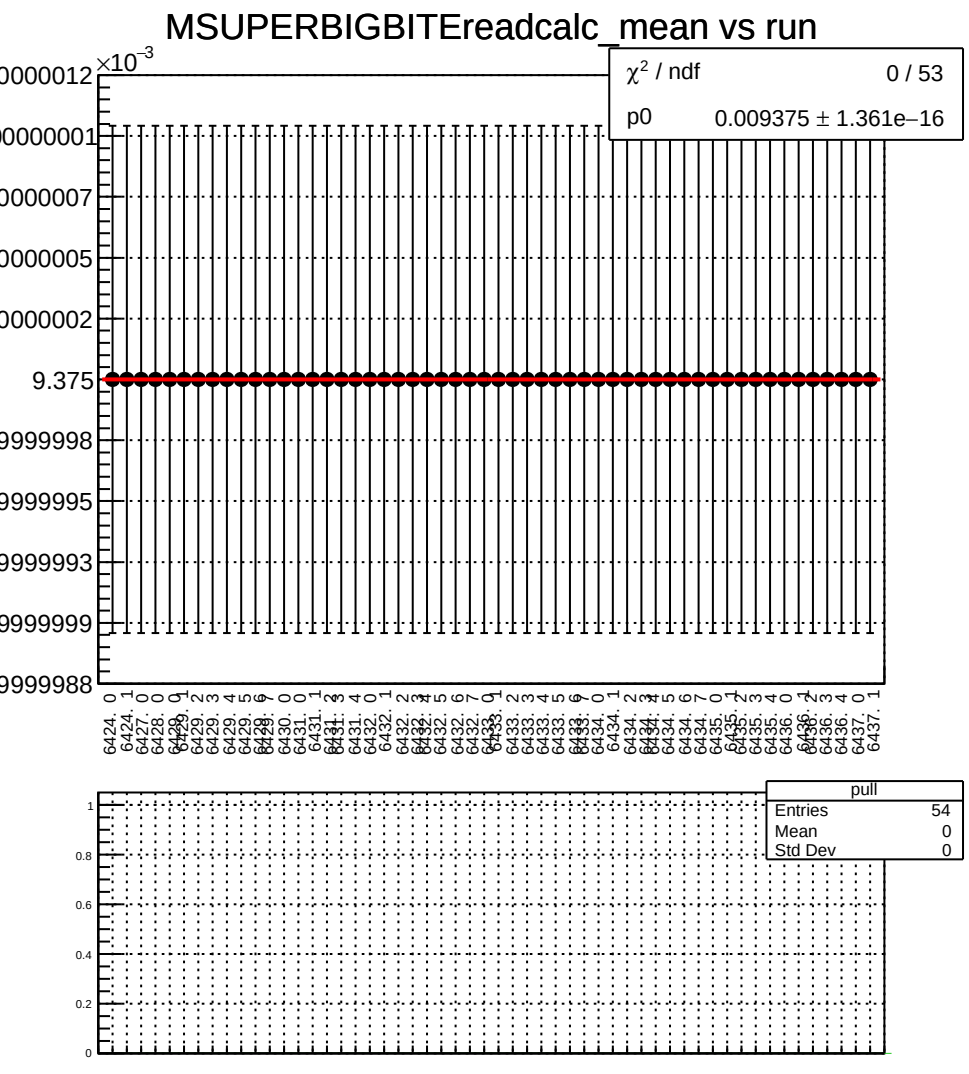

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 2.545e+25 / 53
p0 762.5 ± 1.361e−16
762.5
762.4995
762.499
762.4985
762.498
762.4975
pull
Entries 54
Mean 6.377e+08
Std Dev 0
×10⁹
1000
500
0
−500
−1000

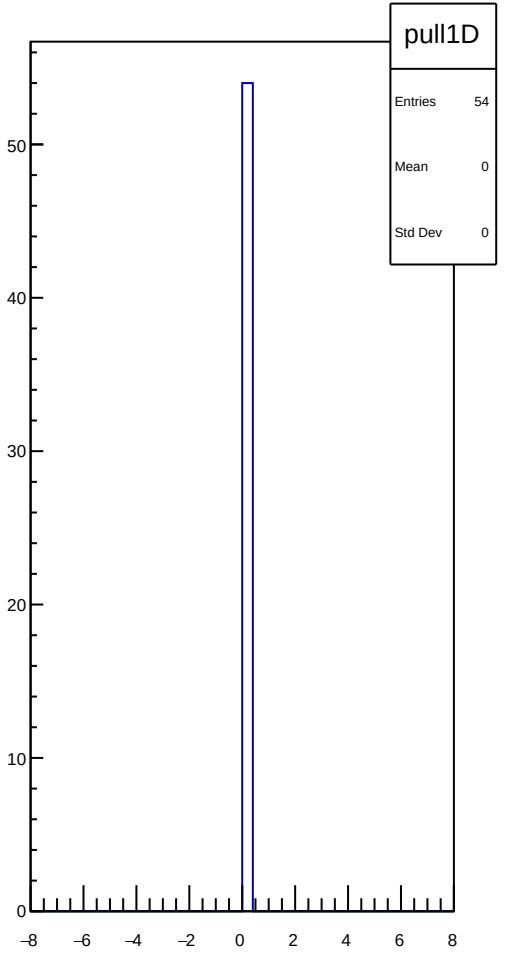

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

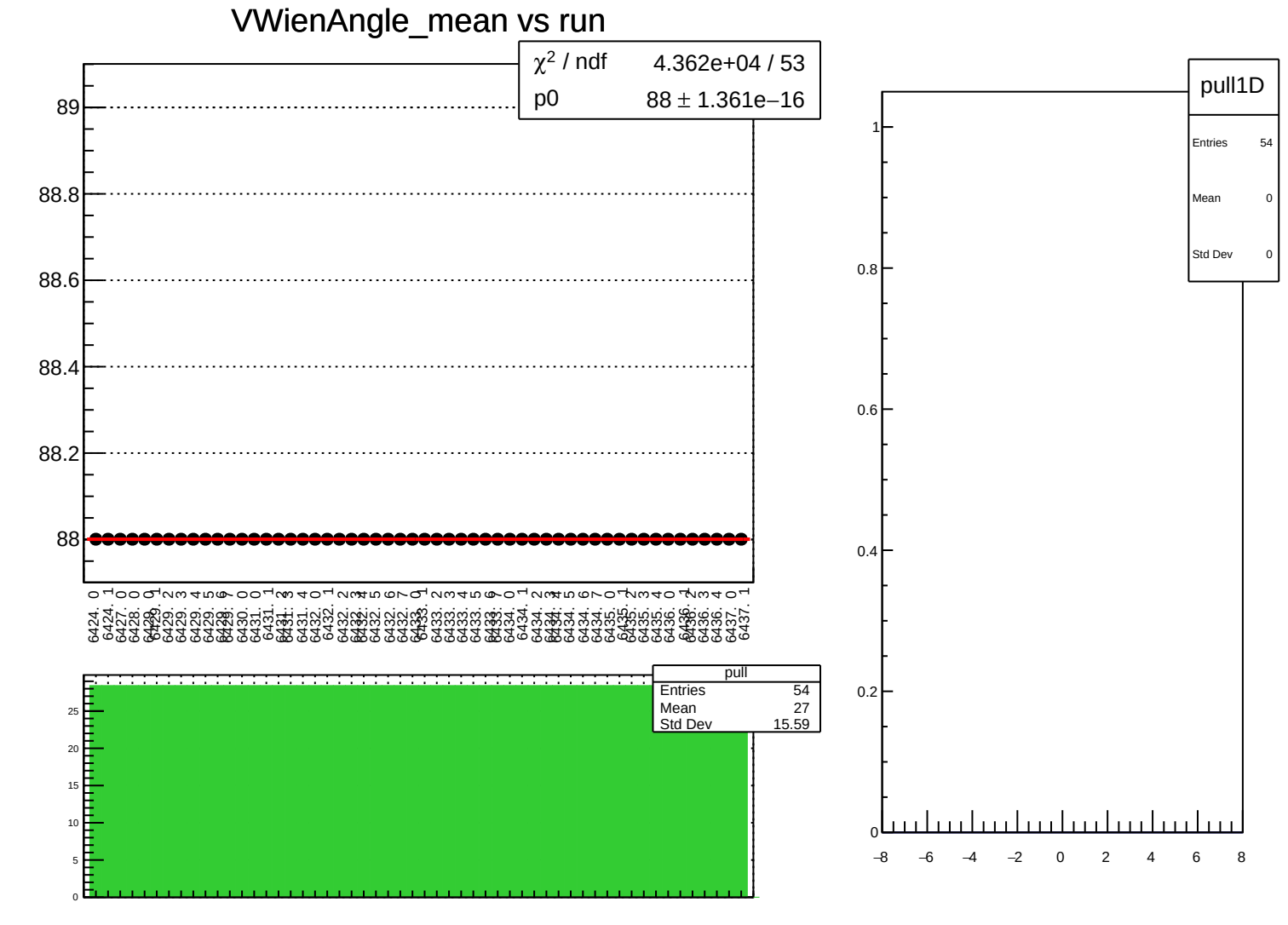

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 4.695e+29 / 53
p0 977.6 ± 1.361e−16
977.85
977.8
977.75
977.7
977.65
977.6
977.55
pull
Entries 54
Mean 1.61e+09
Std Dev 0
×10¹²
200
150
100
50
0
−50
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

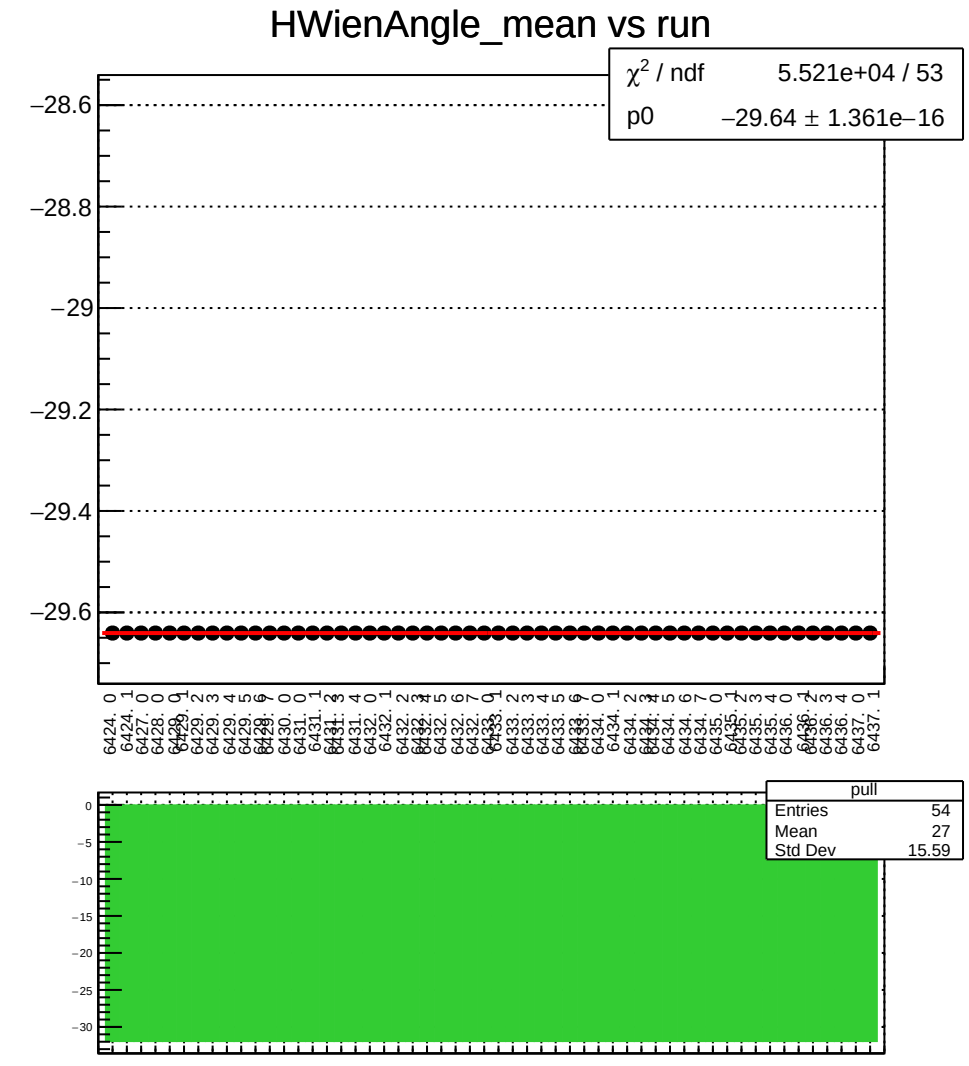

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0

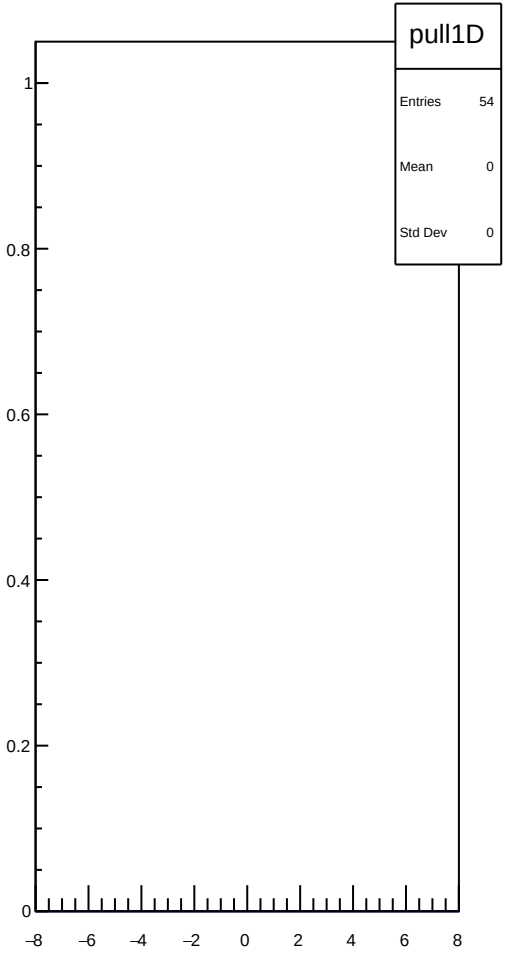

pull1D
Entries 54
Mean 0
Std Dev 0

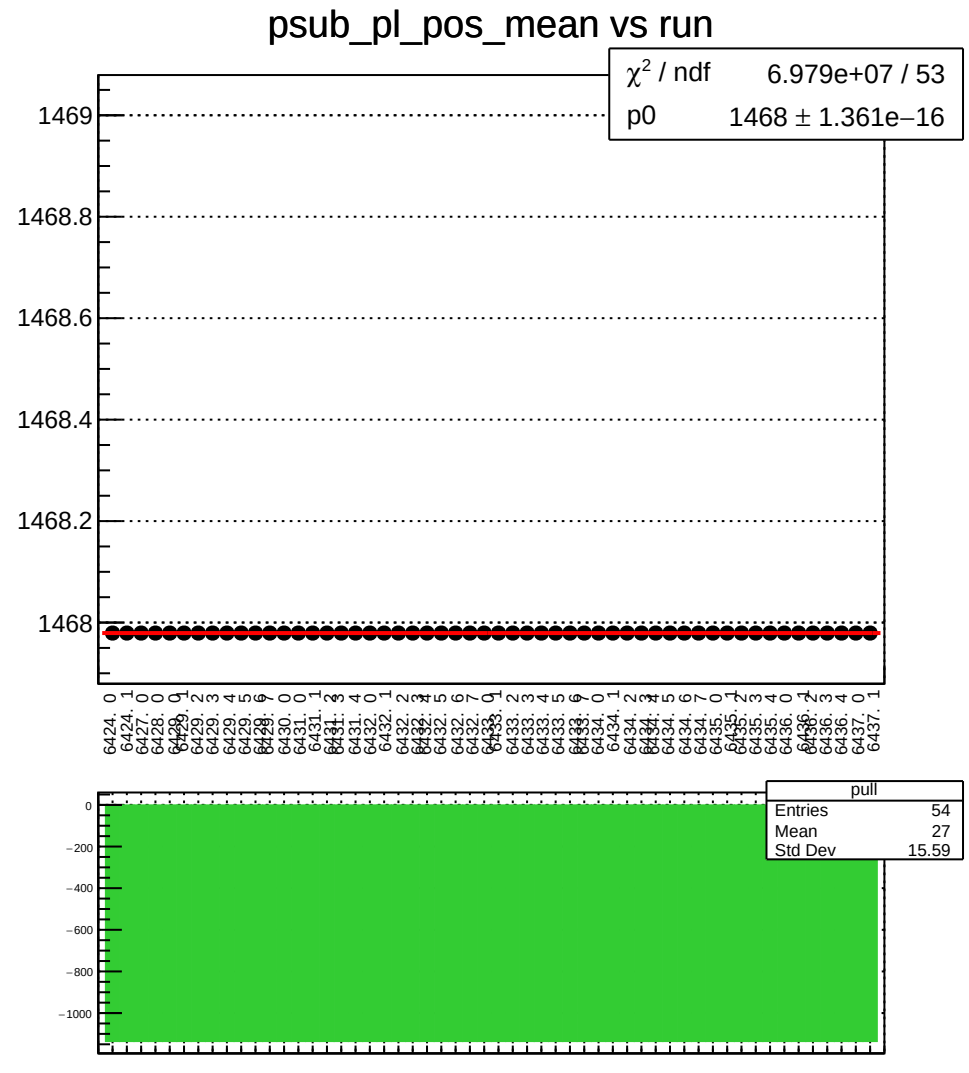

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
×10⁻³
pull
Entries 54
Mean 0
Std Dev 0

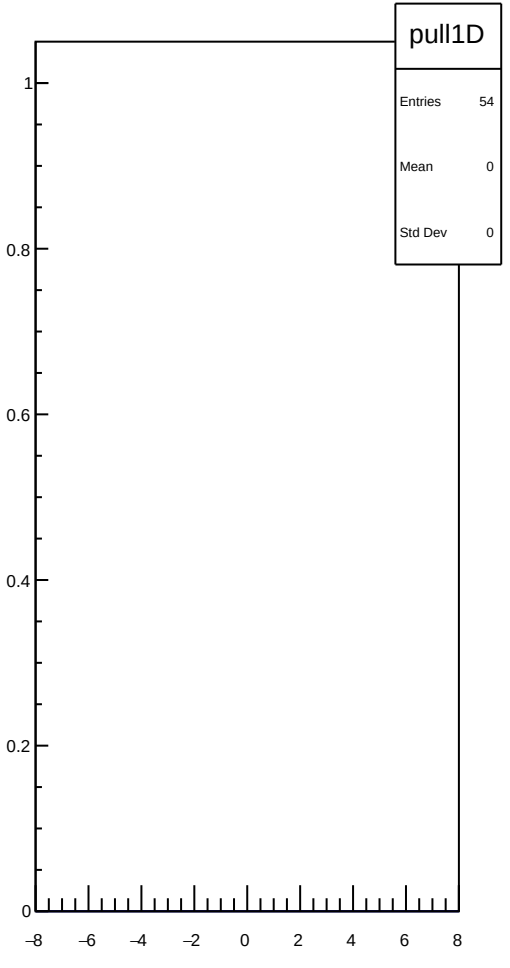

pull1D
Entries 54
Mean 0
Std Dev 0

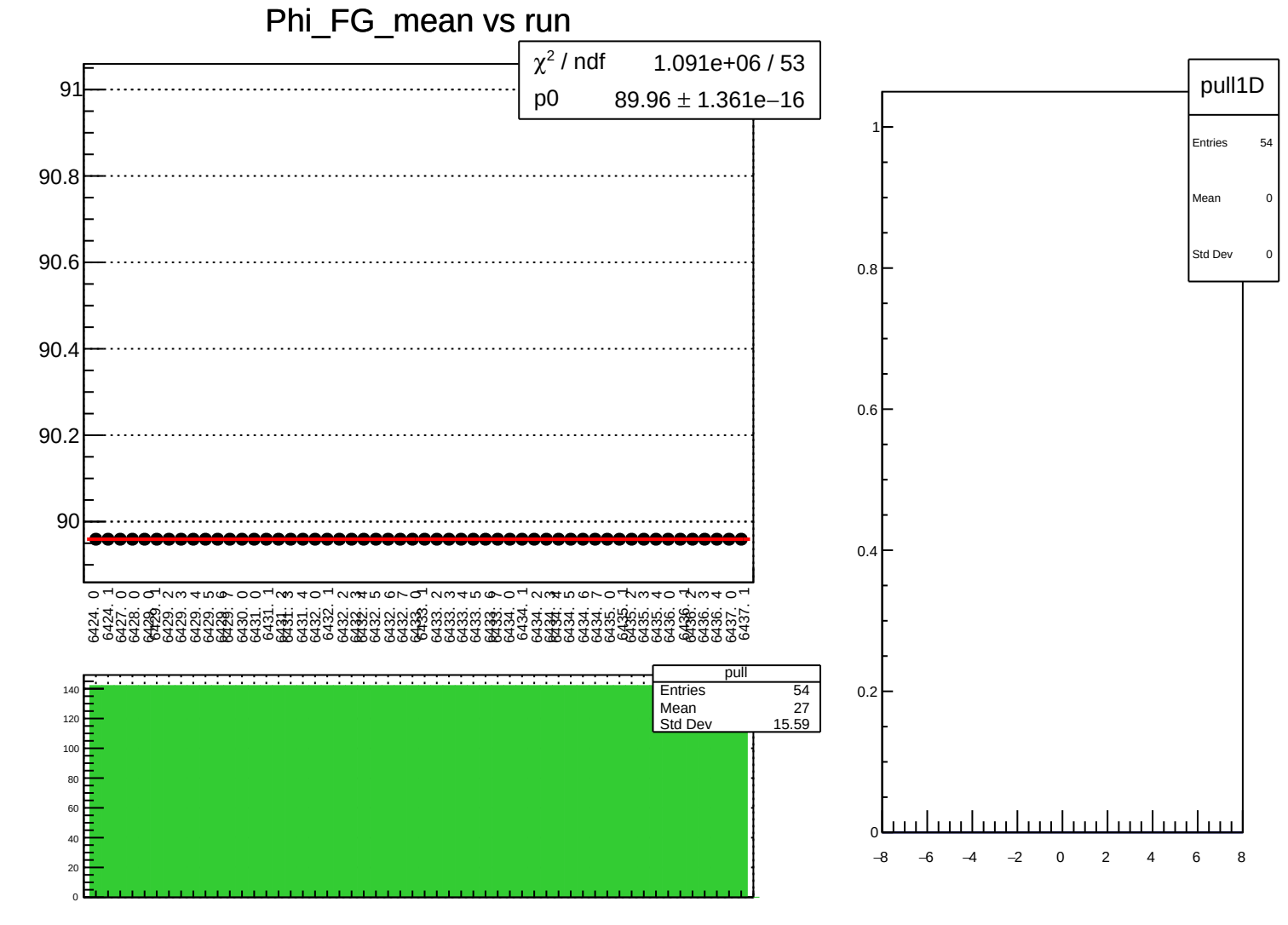

VWienAngle_mean vs run
χ² / ndf 4.362e+04 / 53
p0 88 ± 1.361e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 54
Mean 27
Std Dev 15.59
25
20
15
10
5
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

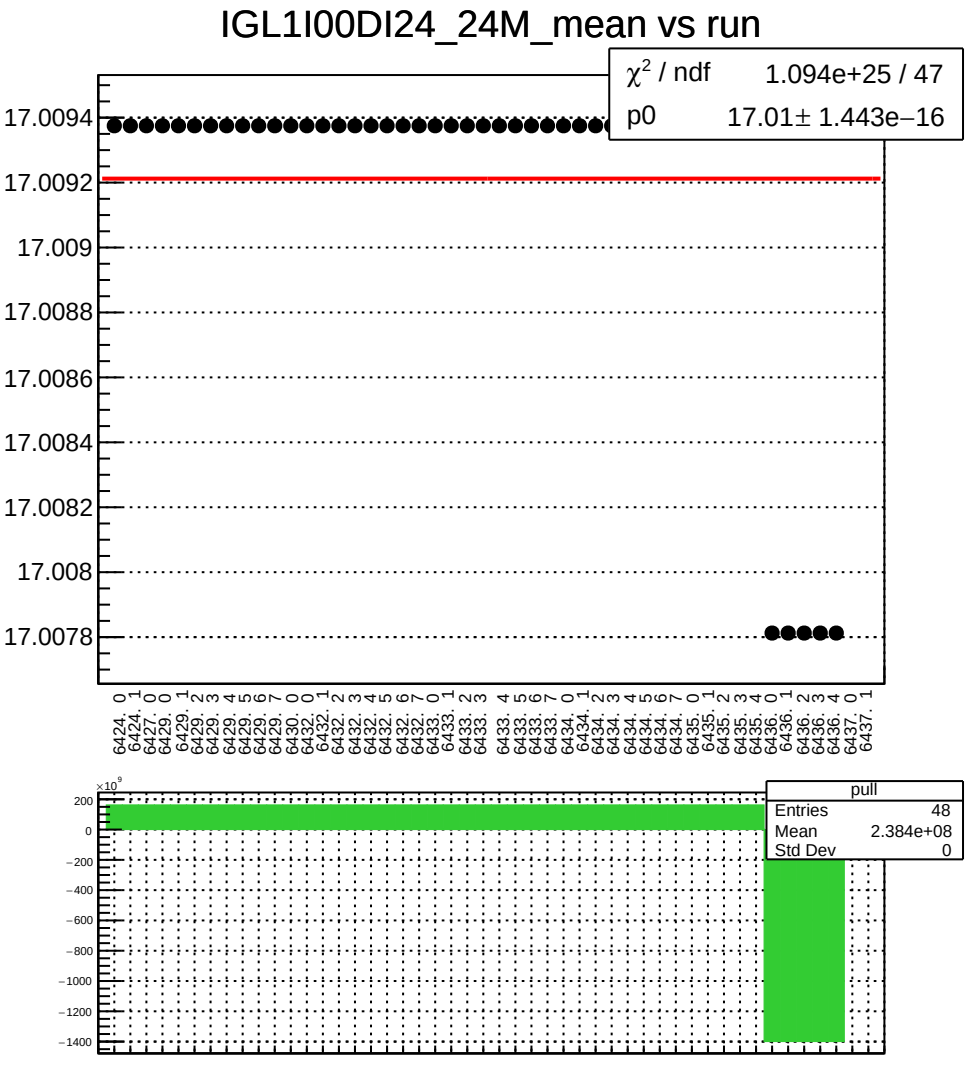

HWienAngle_mean vs run
χ² / ndf 5.521e+04 / 53
p0 −29.64 ± 1.361e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 54
Mean 27
Std Dev 15.59
0
−5
−10
−15
−20
−25
−30

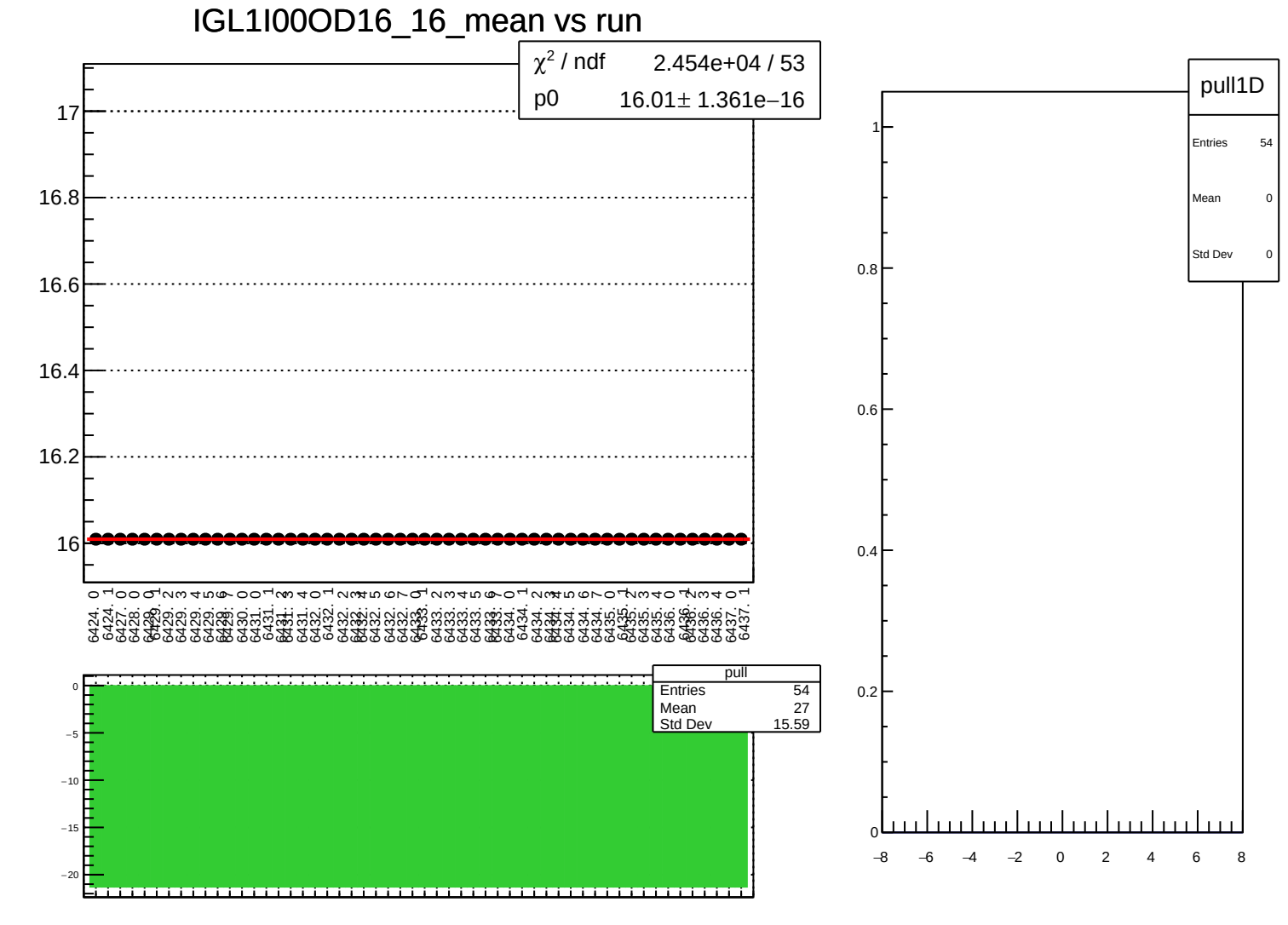

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

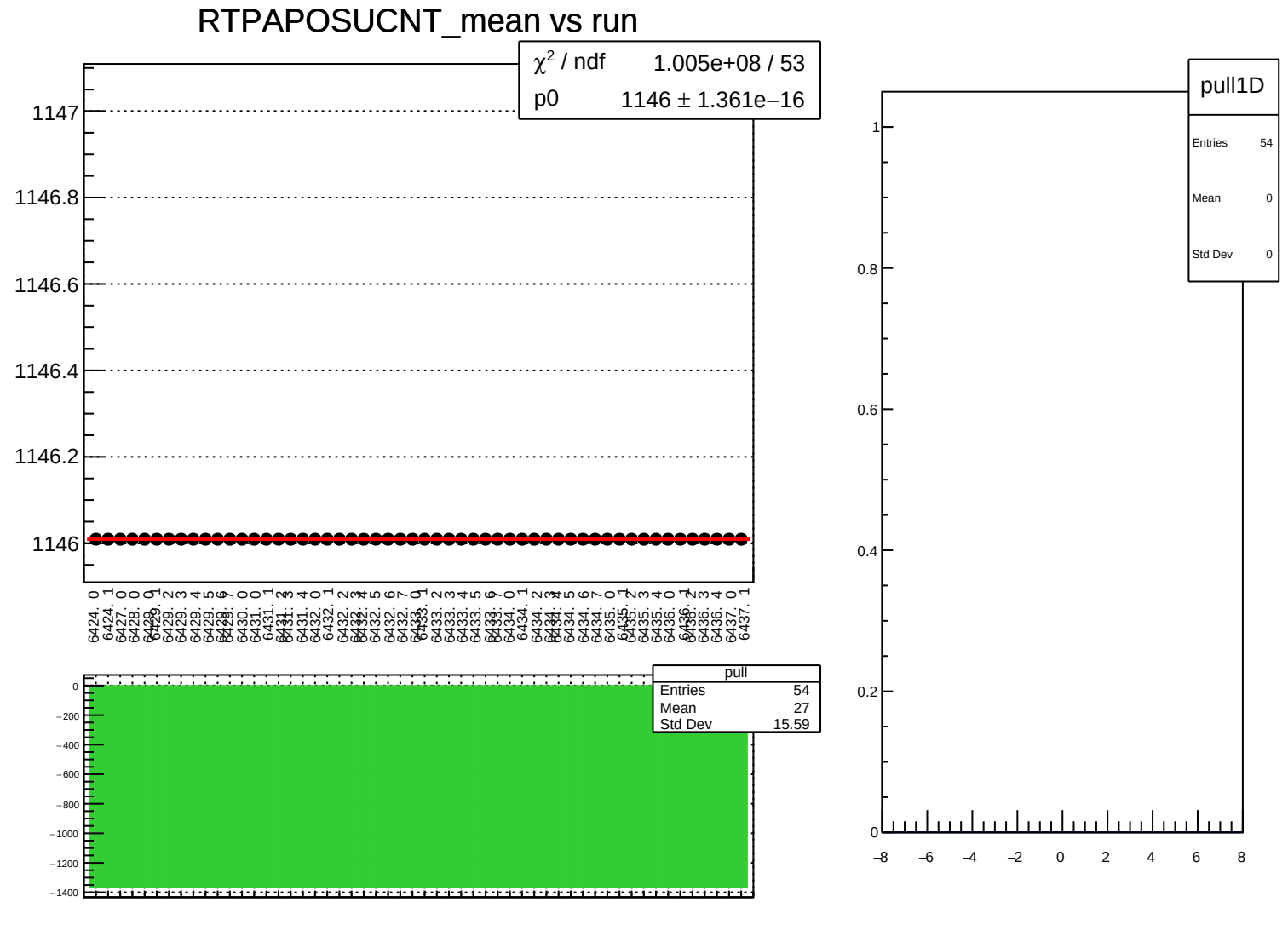

psub_pl_pos_mean vs run
χ² / ndf 6.979e+07 / 53
p0 1468 ± 1.361e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 54
Mean 27
Std Dev 15.59
0
−200
−400
−600
−800
−1000

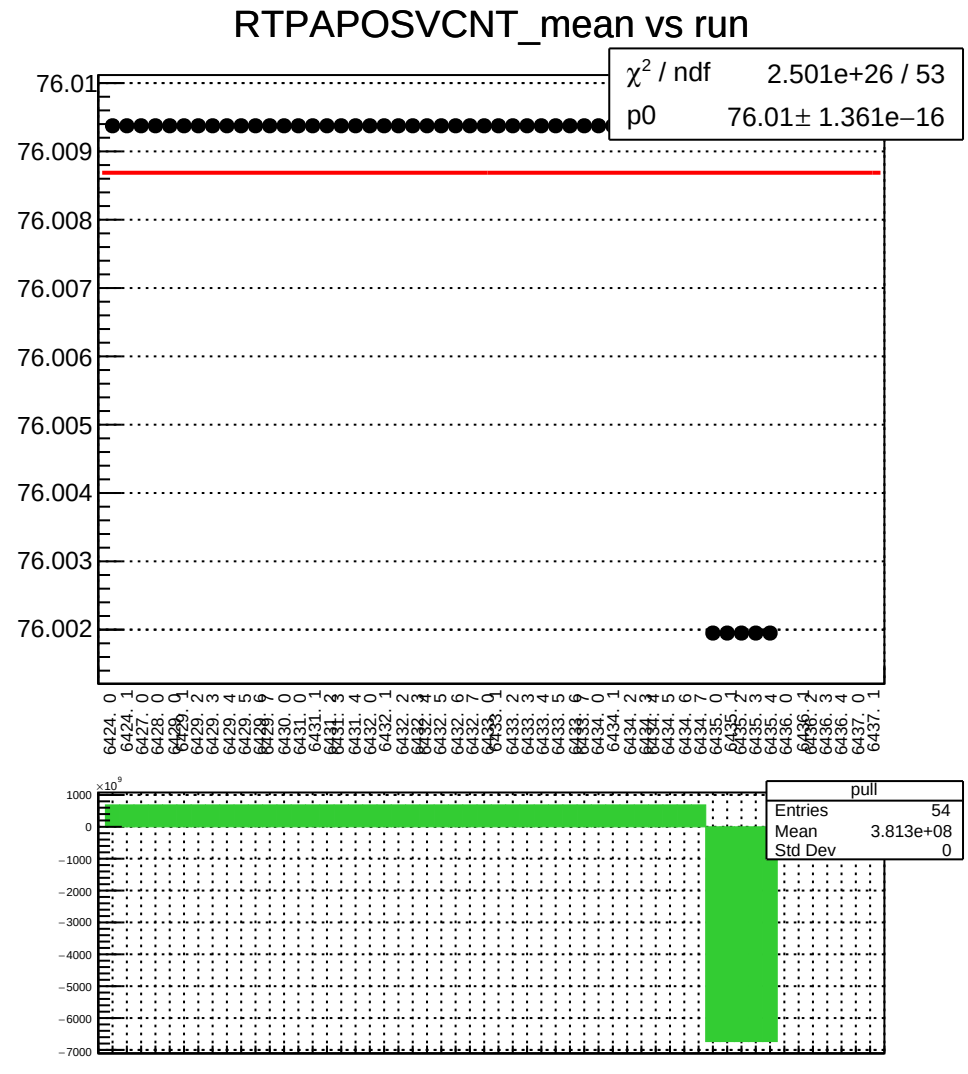

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

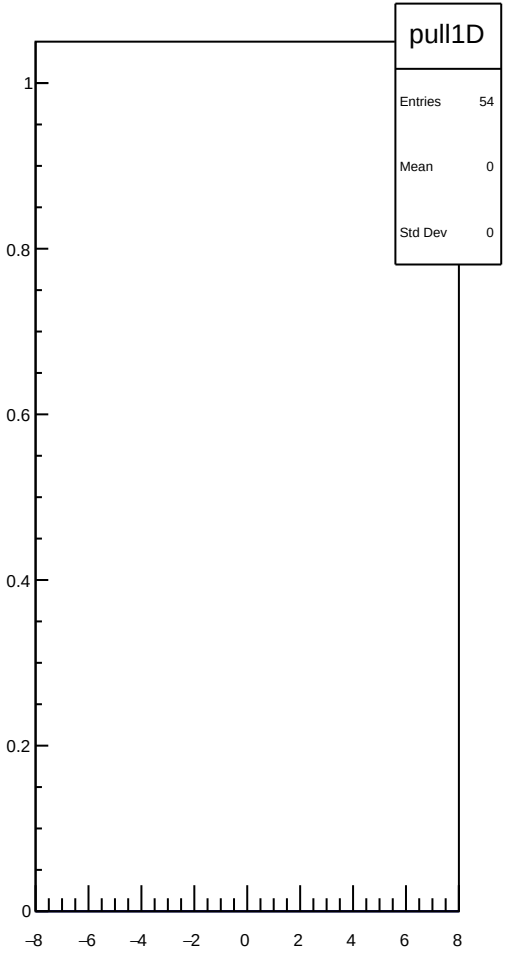

Phi_FG_mean vs run
χ² / ndf 1.091e+06 / 53
p0 89.96 ± 1.361e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 54
Mean 27
Std Dev 15.59
140
120
100
80
60
40
20
0
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

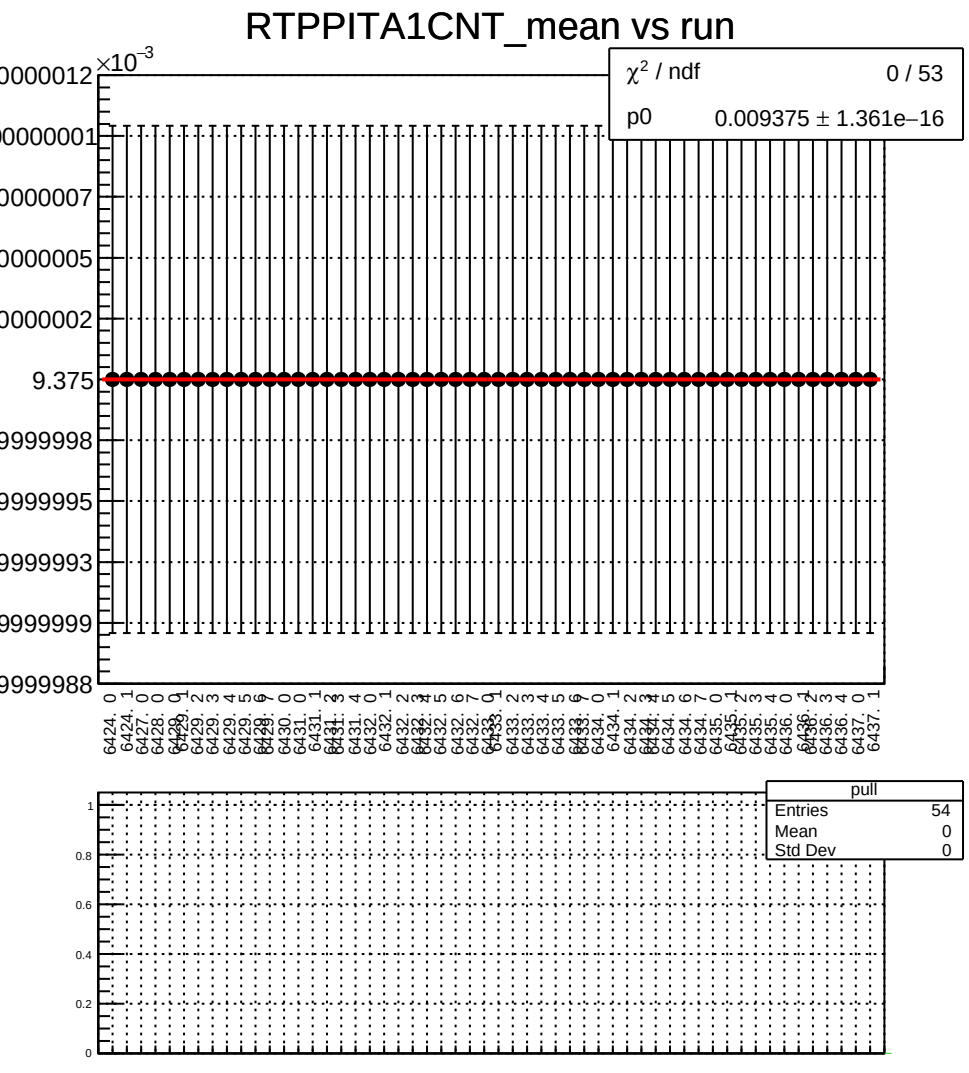

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.094e+25 / 47
p0 17.01± 1.443e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
6424. 0
6424. 1
6427. 0
6429. 0
6429. 1
6429. 2
6429. 3
6429. 4
6429. 5
6429. 6
6429. 7
6430. 0
6432. 0
6432. 1
6432. 2
6432. 3
6432. 4
6432. 5
6432. 6
6432. 7
6433. 0
6433. 1
6433. 2
6433. 3
6433. 4
6433. 5
6433. 6
6433. 7
6434. 0
6434. 1
6434. 2
6434. 3
6434. 4
6434. 5
6434. 6
6434. 7
6435. 0
6435. 1
6435. 2
6435. 3
6435. 4
6436. 0
6436. 1
6436. 2
6436. 3
6436. 4
6437. 0
6437. 1
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 48
Mean 2.384e+08
Std Dev 0
pull1D
Entries 48
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

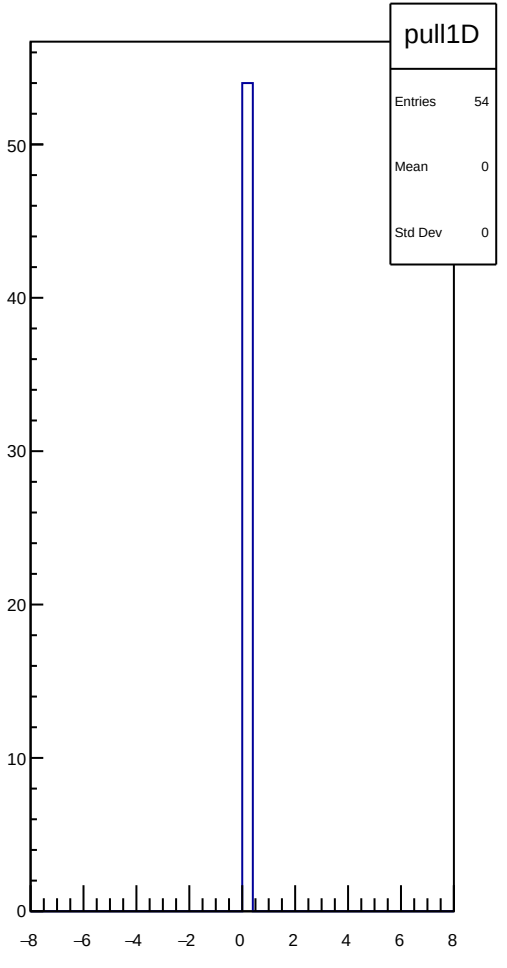

IGL1I00OD16_16_mean vs run
χ² / ndf 2.454e+04 / 53
p0 16.01± 1.361e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 54
Mean 27
Std Dev 15.59
0
−5
−10
−15
−20
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

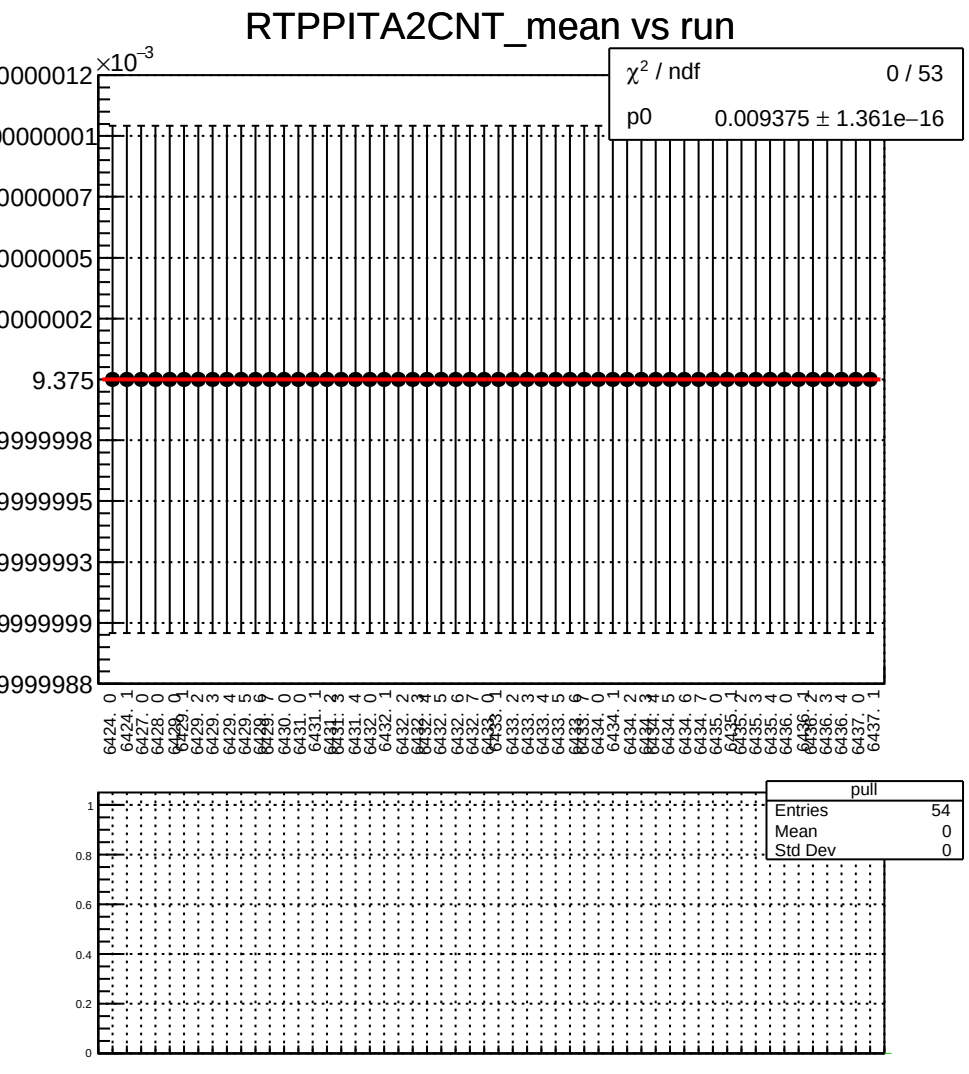

RTPAPOSUCNT_mean vs run
χ² / ndf 1.005e+08 / 53
p0 1146 ± 1.361e−16
1147
1146.8
1146.6
1146.4
1146.2
1146
pull
Entries 54
Mean 27
Std Dev 15.59
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

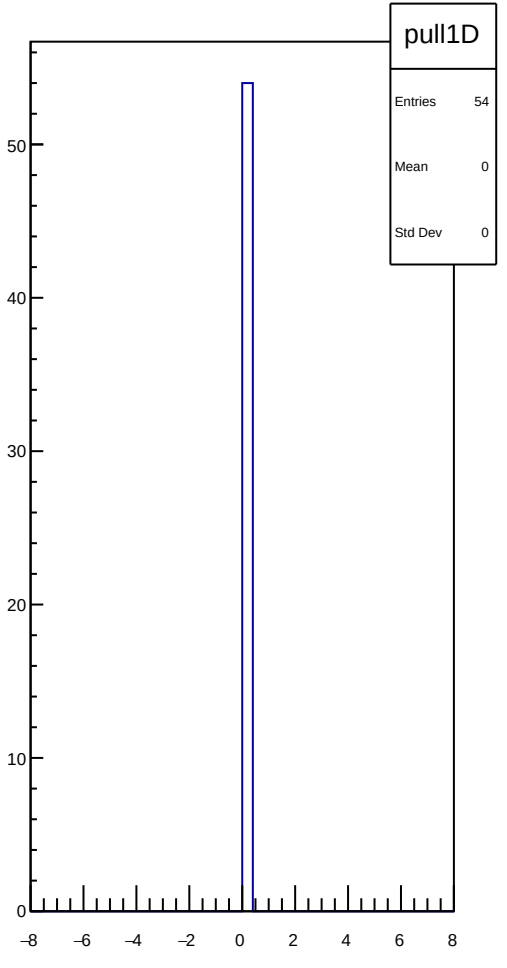

RTPAPOSVCNT_mean vs run
χ² / ndf 2.501e+26 / 53
p0 76.01± 1.361e−16
76.01
76.009
76.008
76.007
76.006
76.005
76.004
76.003
76.002
pull
Entries 54
Mean 3.813e+08
Std Dev 0
×10⁹
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000


pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
9.375
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
×10⁻³
χ² / ndf 0 / 53
p0 0.009375 ± 1.361e−16
pull
Entries 54
Mean 0
Std Dev 0


pull1D
Entries 54
Mean 0
Std Dev 0